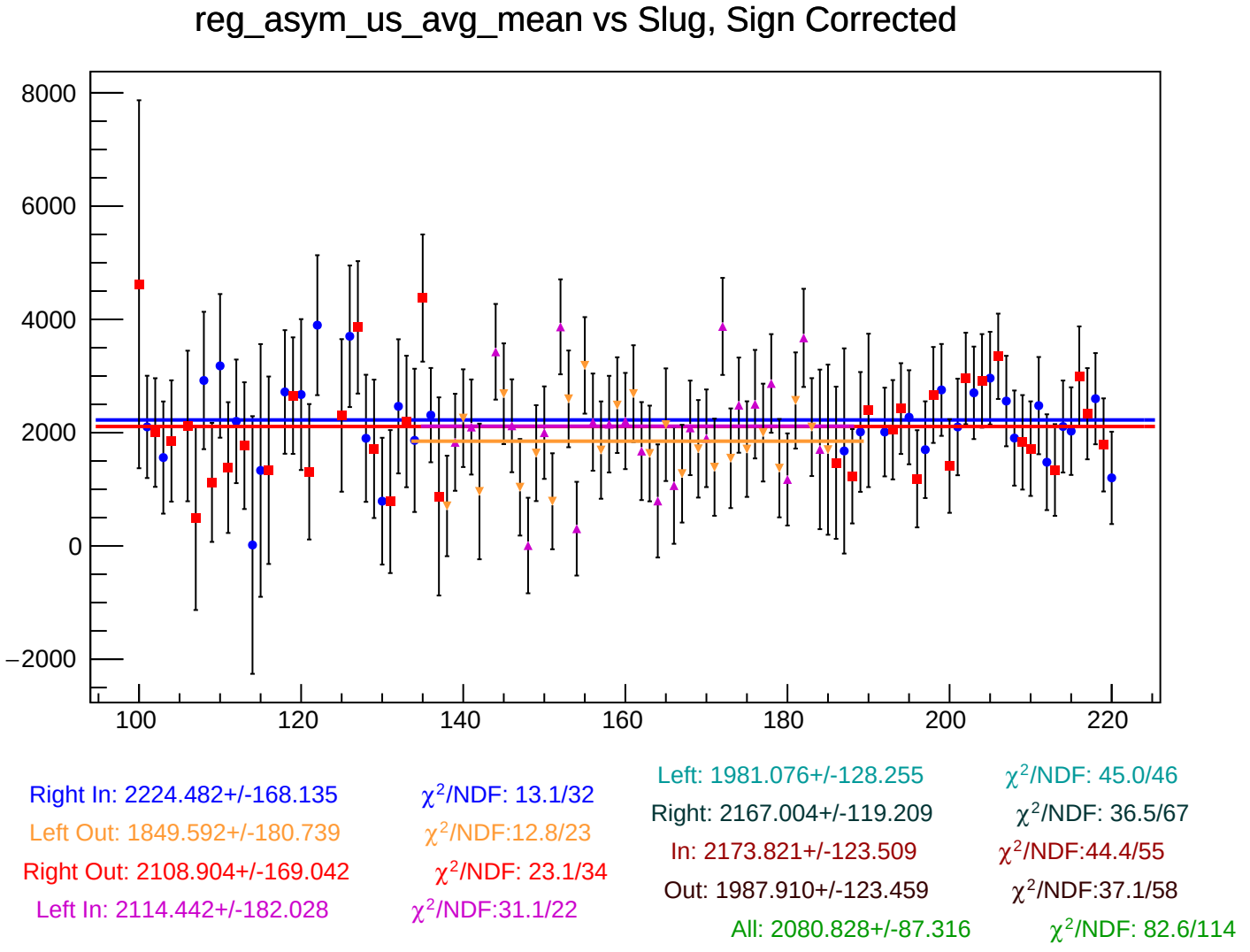
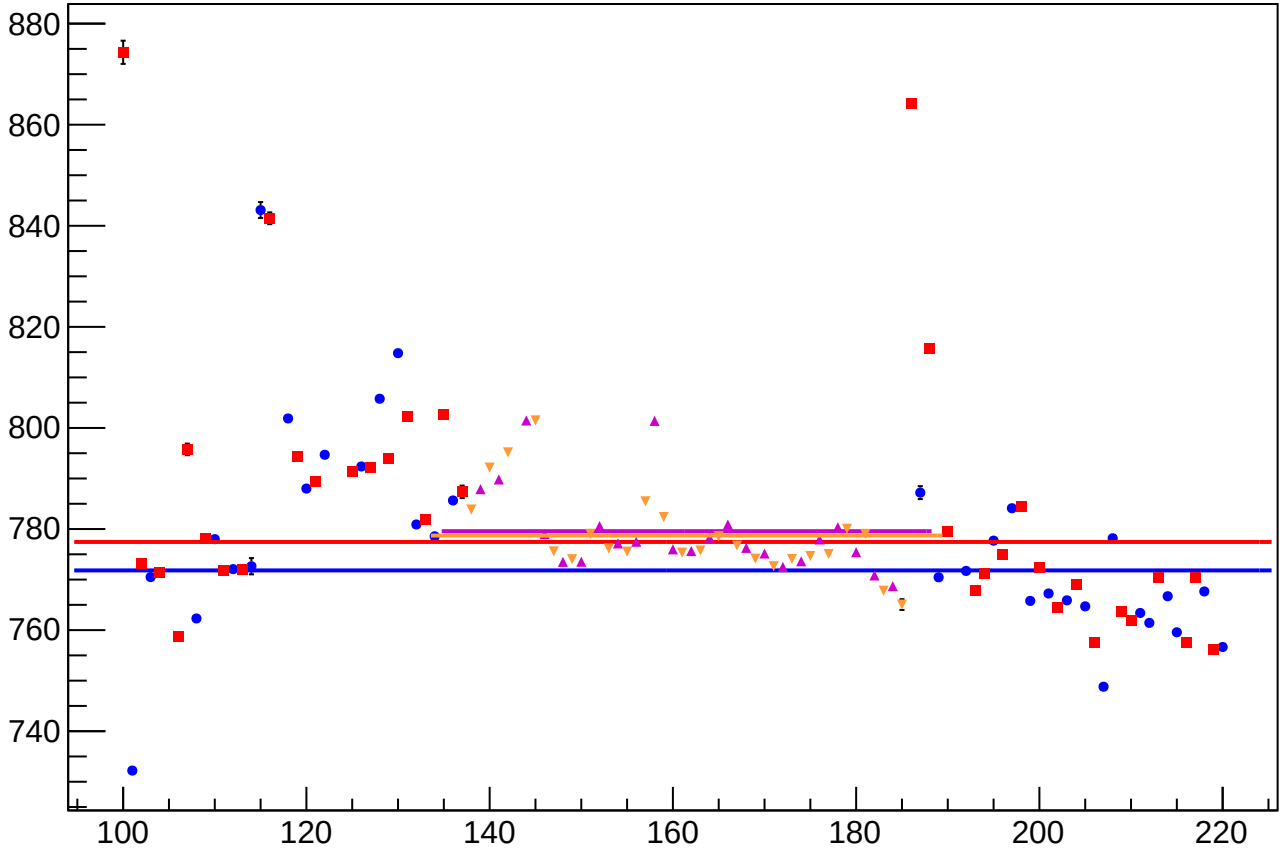

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 2224.482+/-168.135
χ²/NDF: 13.1/32
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2108.904+/-169.042
χ²/NDF: 23.1/34
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2167.004+/-119.209
χ²/NDF: 36.5/67
In: 2173.821+/-123.509
χ²/NDF:44.4/55
Out: 1987.910+/-123.459
χ²/NDF:37.1/58
All: 2080.828+/-87.316
χ²/NDF: 82.6/114

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 771.814+/-0.119 χ^2/NDF: 19296.7/32

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

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

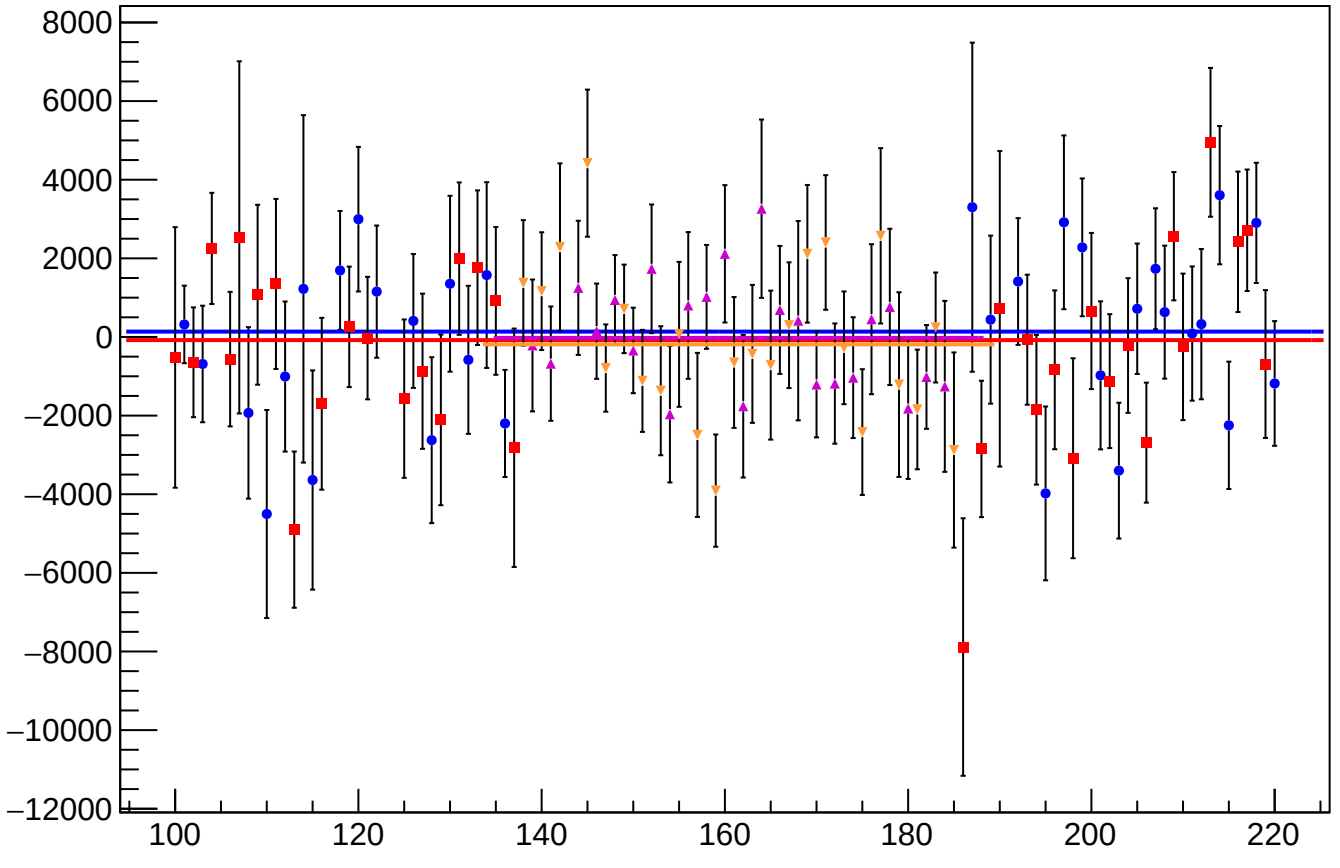
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.615+/-0.084 χ^2/NDF: 48734.4/67

In: 775.387+/-0.087 χ^2/NDF:25431.7/55

Out: 778.035+/-0.087 χ^2/NDF:31762.9/58

All: 776.712+/-0.062 χ^2/NDF: 57654.7/114



Right In: 136.579+/-309.469 χ^2/NDF: 39.5/32

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

Right Out: -79.537+/-321.260 χ^2/NDF: 44.3/34

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

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

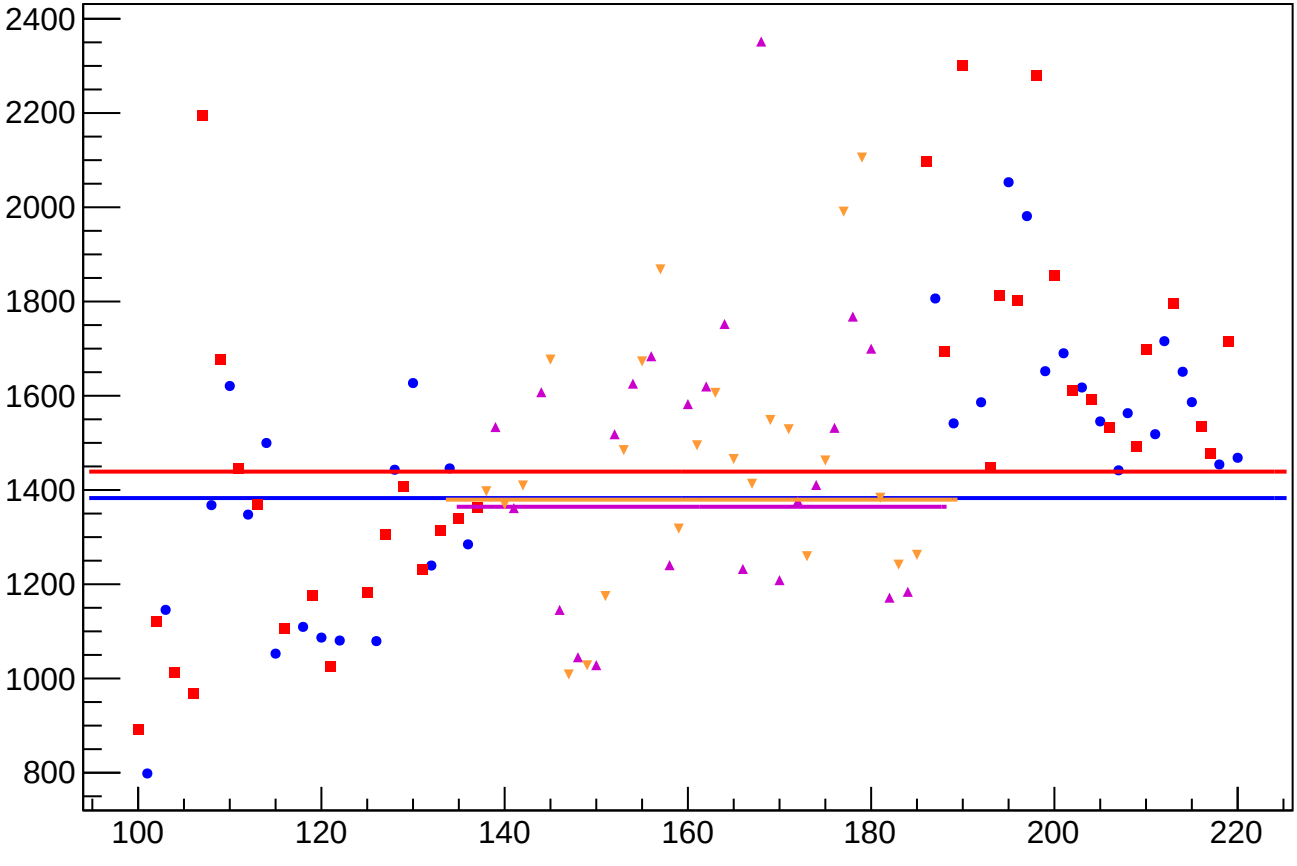
Right: 32.560+/-222.879 χ^2/NDF: 84.1/67

In: 60.536+/-224.382 χ^2/NDF:53.1/55

Out: -133.189+/-229.399 χ^2/NDF:74.0/58

All: -34.185+/-160.406 χ^2/NDF: 127.5/114

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1382.892+/-0.219 χ^2/NDF: 1832126.9/32

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

Right Out: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

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

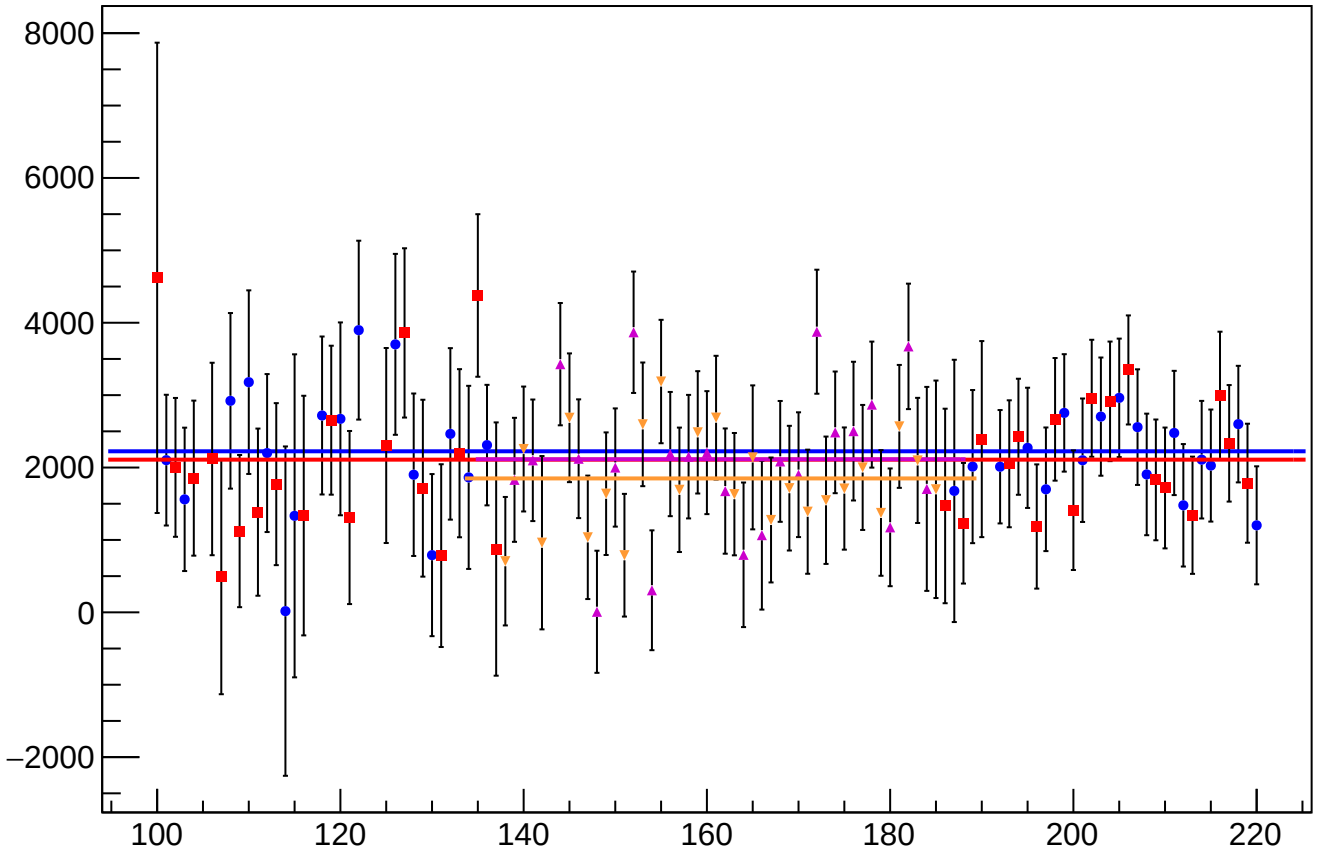
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1409.902+/-0.158 χ^2/NDF: 3634155.3/67

In: 1374.127+/-0.159 χ^2/NDF:3147809.2/55

Out: 1409.860+/-0.162 χ^2/NDF:2962438.0/58

All: 1391.598+/-0.113 χ^2/NDF: 6135047.0/11



Right In: 2224.482+/-168.135 χ^2/NDF: 13.1/32

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

Right Out: 2108.904+/-169.042 χ^2/NDF: 23.1/34

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

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

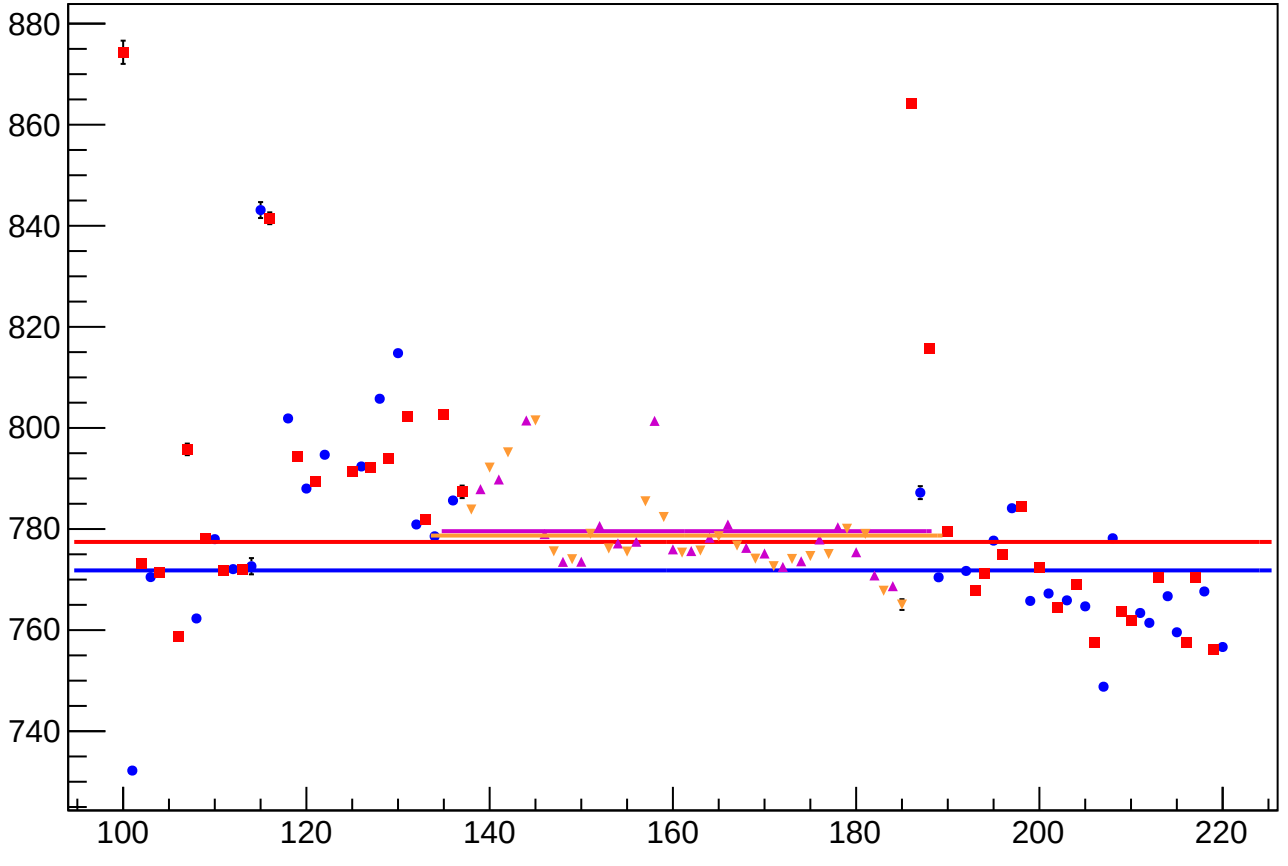
Right: 2167.004+/-119.209 χ^2/NDF: 36.5/67

In: 2173.821+/-123.509 χ^2/NDF:44.4/55

Out: 1987.910+/-123.459 χ^2/NDF:37.1/58

All: 2080.828+/-87.316 χ^2/NDF: 82.6/114

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 771.814+/-0.119 χ^2/NDF: 19296.7/32

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

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

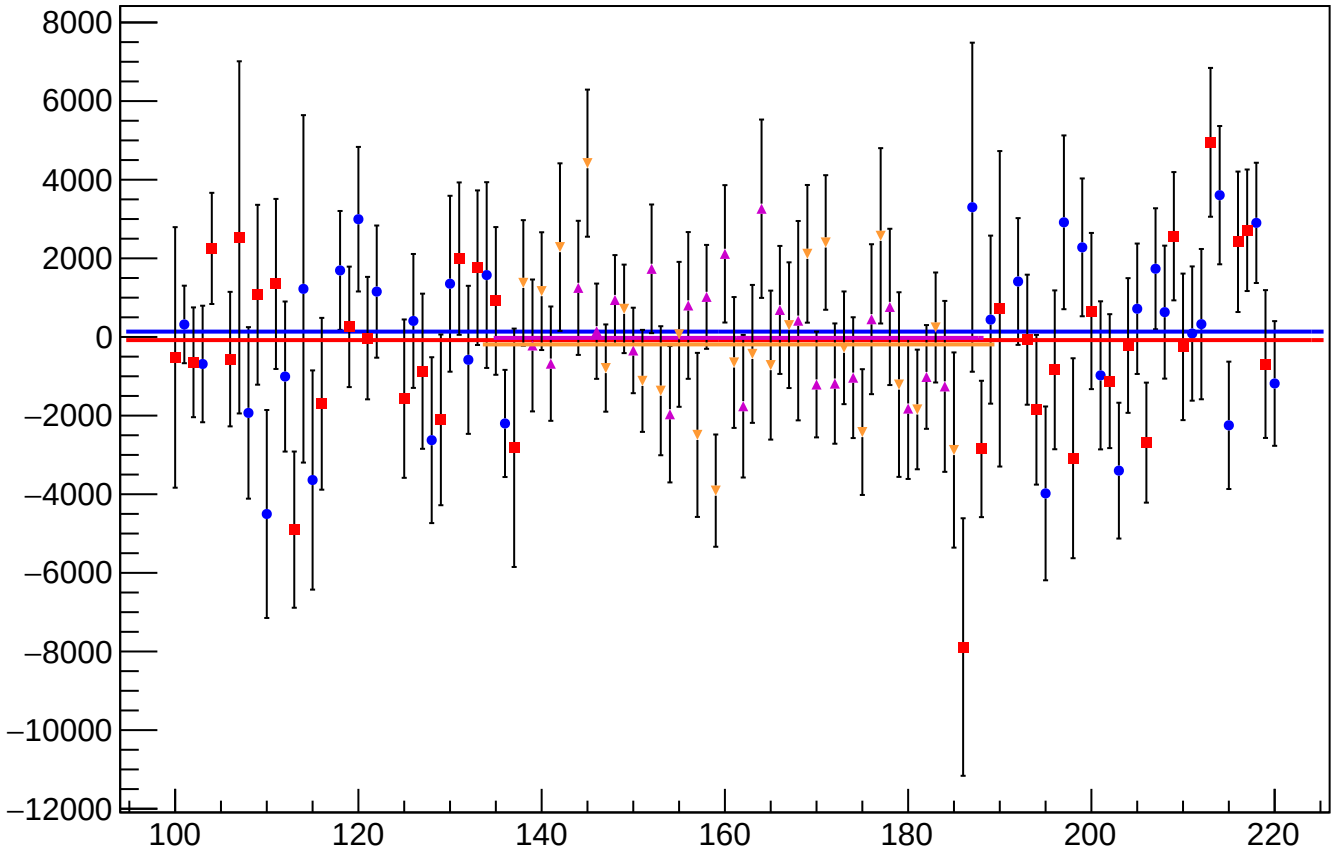
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.615+/-0.084 χ^2/NDF: 48734.4/67

In: 775.387+/-0.087 χ^2/NDF:25431.7/55

Out: 778.035+/-0.087 χ^2/NDF:31762.9/58

All: 776.712+/-0.062 χ^2/NDF: 57654.7/114



Right In: 136.579+/-309.469 χ^2/NDF: 39.5/32

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

Right Out: -79.537+/-321.260 χ^2/NDF: 44.3/34

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

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

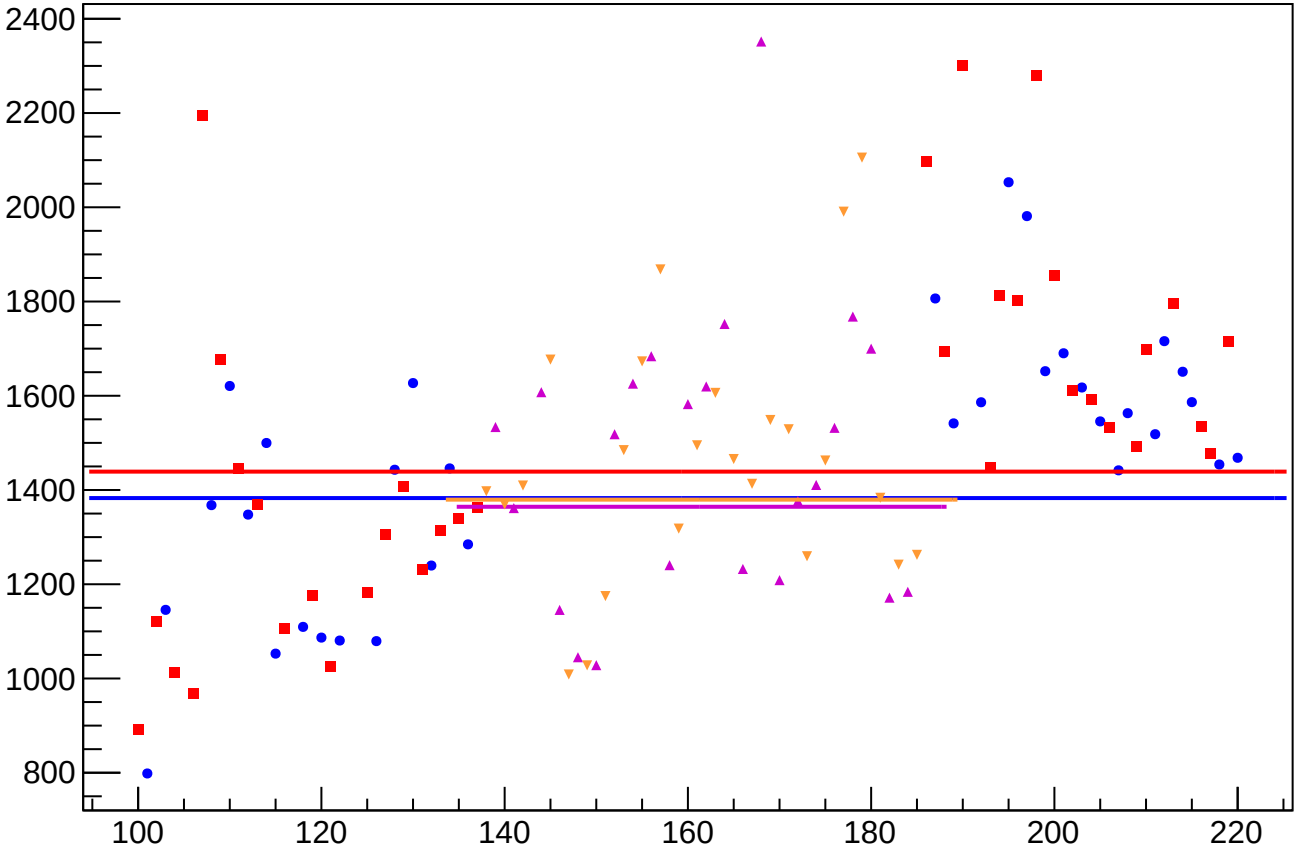
Right: 32.560+/-222.879 χ^2/NDF: 84.1/67

In: 60.536+/-224.382 χ^2/NDF:53.1/55

Out: -133.189+/-229.399 χ^2/NDF:74.0/58

All: -34.185+/-160.406 χ^2/NDF: 127.5/114

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1382.892+/-0.219 χ^2/NDF: 1832126.9/32

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

Right Out: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

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

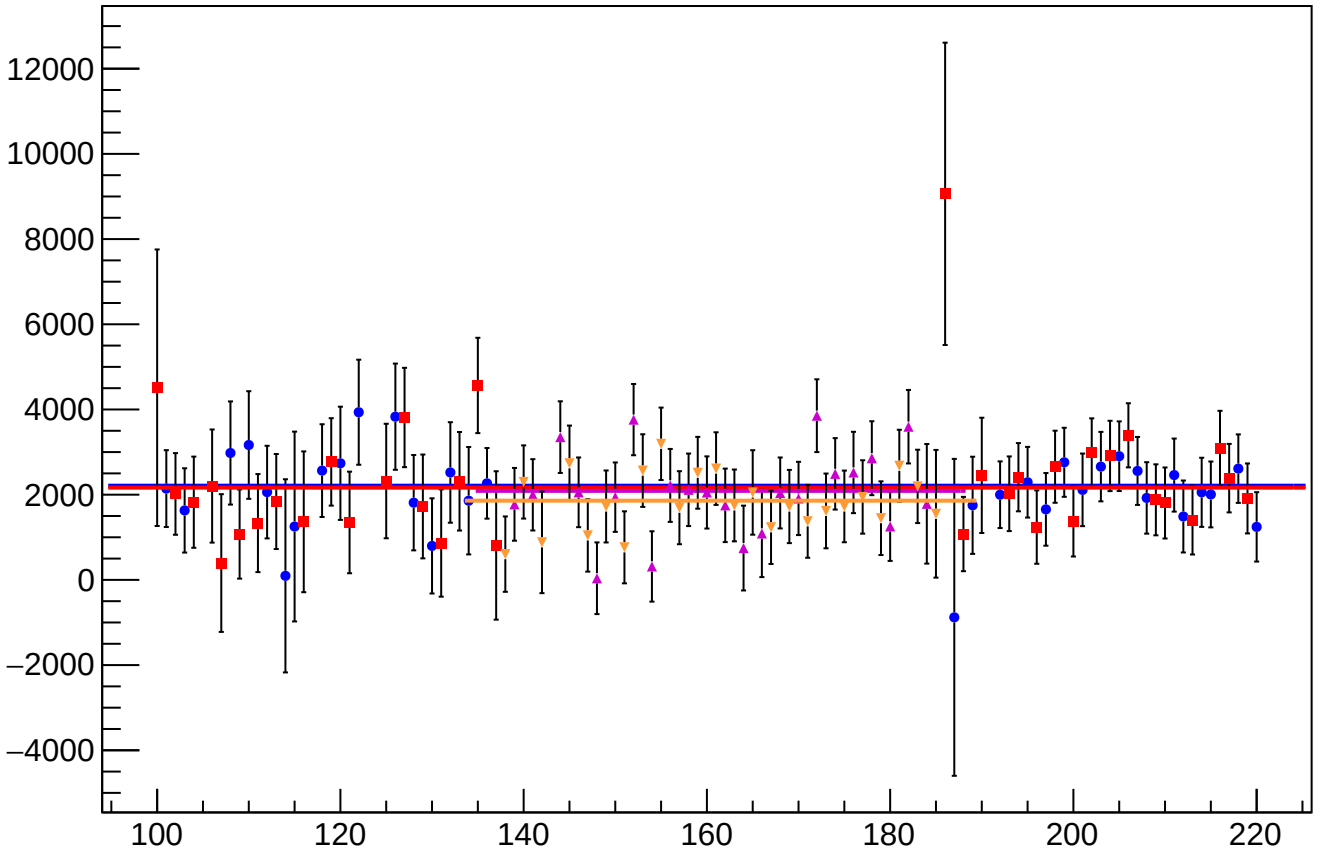
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1409.902+/-0.158 χ^2/NDF: 3634155.3/67

In: 1374.127+/-0.159 χ^2/NDF:3147809.2/55

Out: 1409.860+/-0.162 χ^2/NDF:2962438.0/58

All: 1391.598+/-0.113 χ^2/NDF: 6135047.0/11



Right In: 2211.104+/-168.746 χ^2/NDF: 13.9/32

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

Right Out: 2165.929+/-170.304 χ^2/NDF: 27.9/34

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

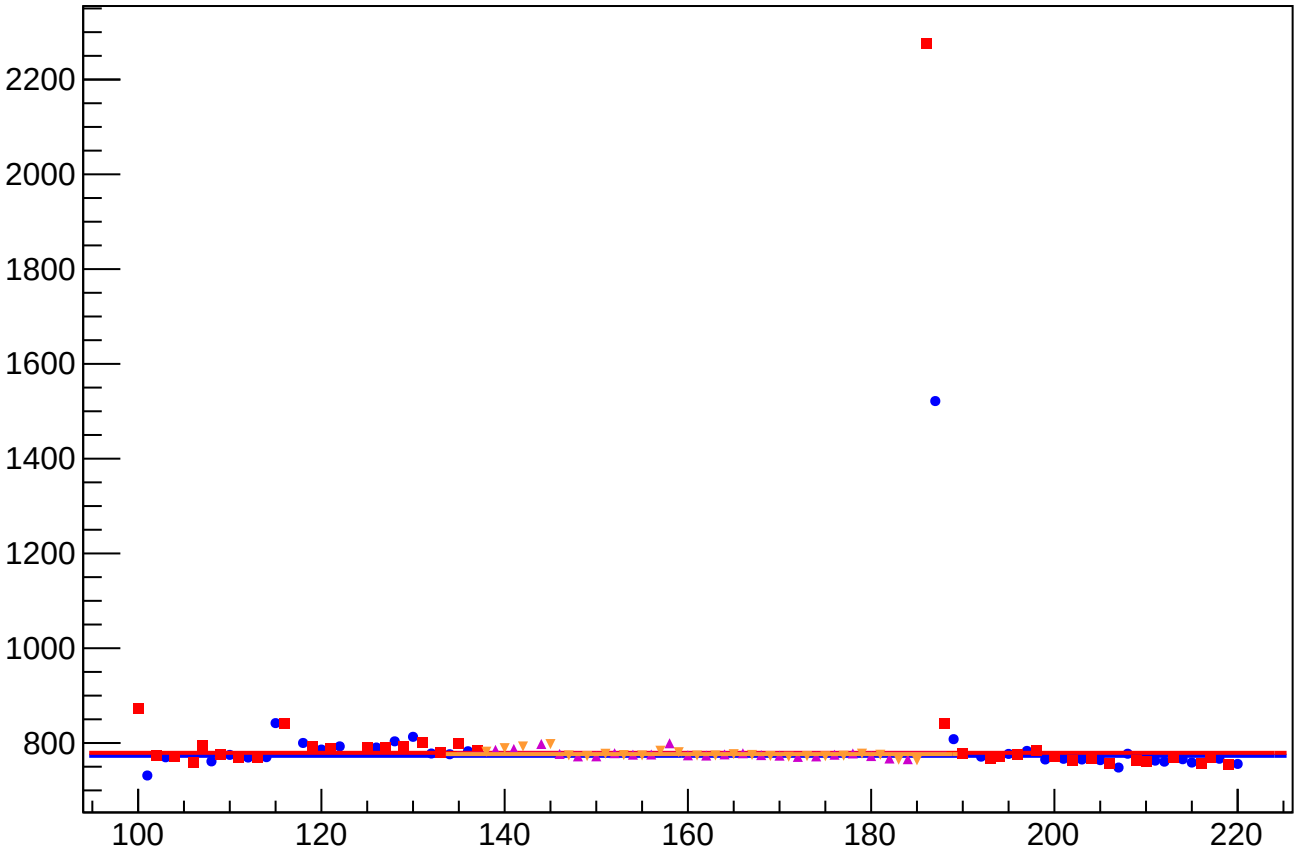
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2188.724+/-119.868 χ^2/NDF: 41.9/67

In: 2154.729+/-123.592 χ^2/NDF:43.8/55

Out: 2021.399+/-123.784 χ^2/NDF:42.9/58

All: 2088.167+/-87.460 χ^2/NDF: 87.3/114



Right In: 772.940+/-0.119 χ^2/NDF: 101638.0/32

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

Right Out: 779.303+/-0.120 χ^2/NDF: 382786.5/34

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

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

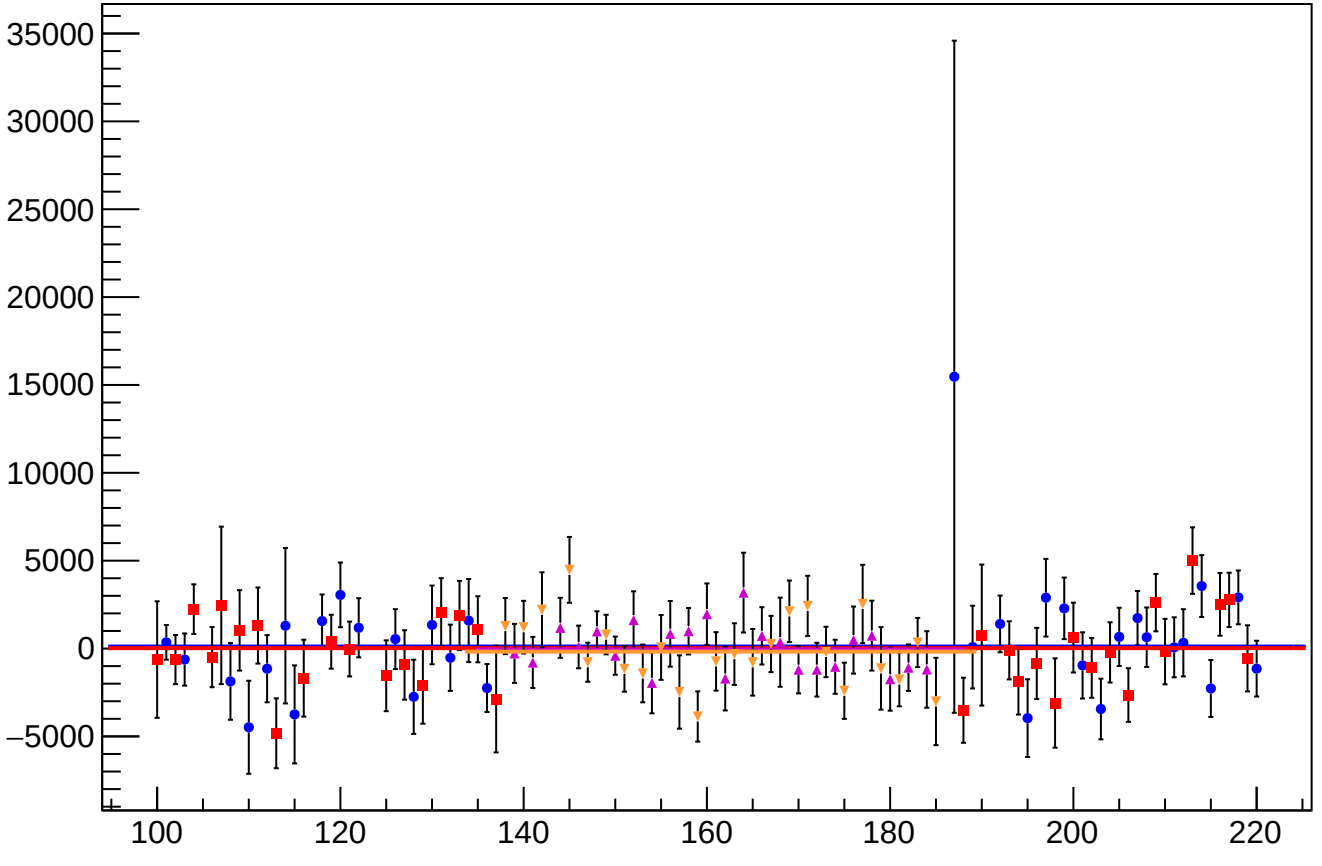
Right: 776.092+/-0.085 χ^2/NDF: 485833.6/67

In: 775.013+/-0.087 χ^2/NDF:106351.7/55

Out: 777.992+/-0.088 χ^2/NDF:386175.1/58

All: 776.500+/-0.062 χ^2/NDF: 493106.6/114

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: 112.511+/-311.044 χ^2/NDF: 39.8/32

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

Right Out: 20.396+/-323.695 χ^2/NDF: 39.9/33

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

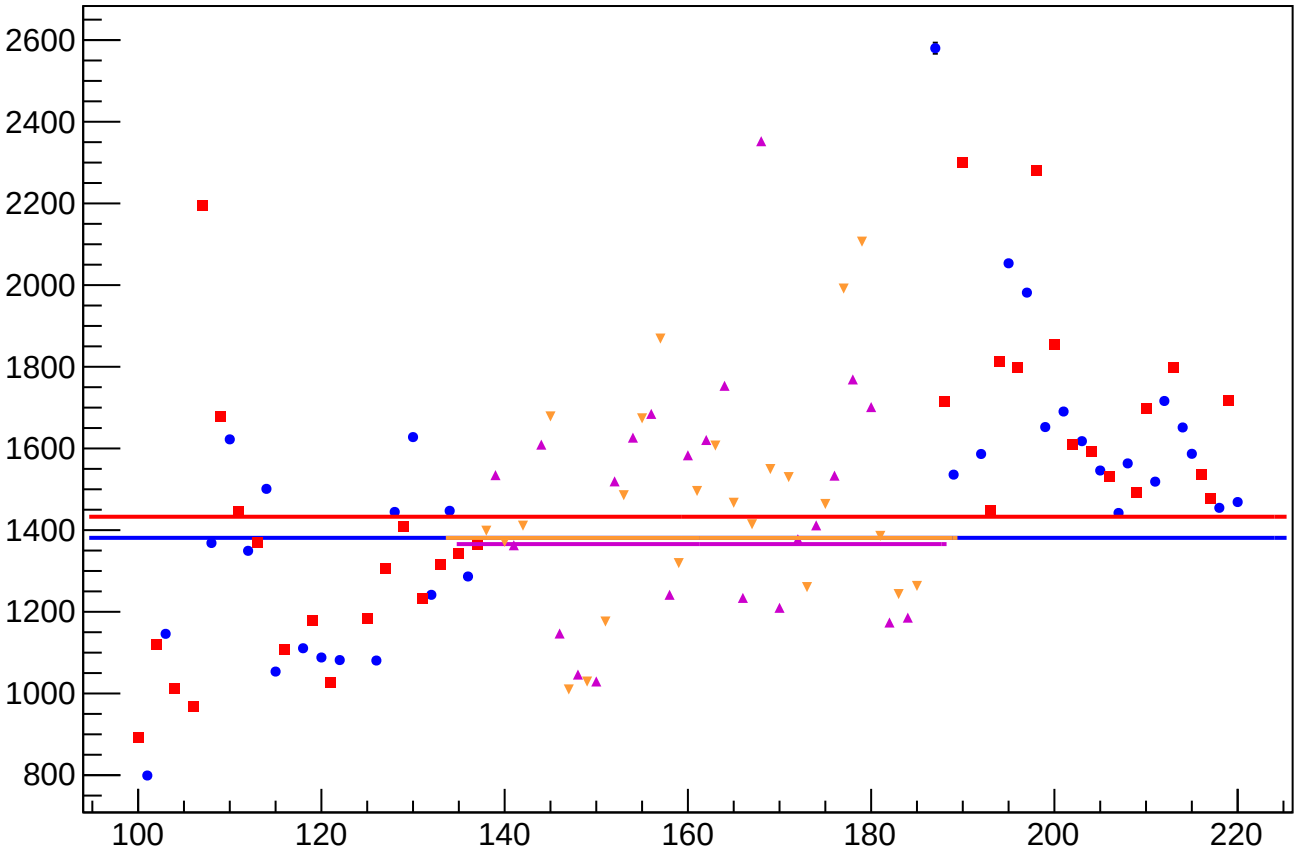
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: 68.289+/-224.281 χ^2/NDF: 79.7/66

In: 33.756+/-225.084 χ^2/NDF:52.9/55

Out: -75.980+/-230.391 χ^2/NDF:69.7/57

All: -19.834+/-161.002 χ^2/NDF: 122.7/113



Right In: 1381.128+/-0.220 χ^2/NDF: 1811562.1/32

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

Right Out: 1432.793+/-0.229 χ^2/NDF: 1683006.6/33

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

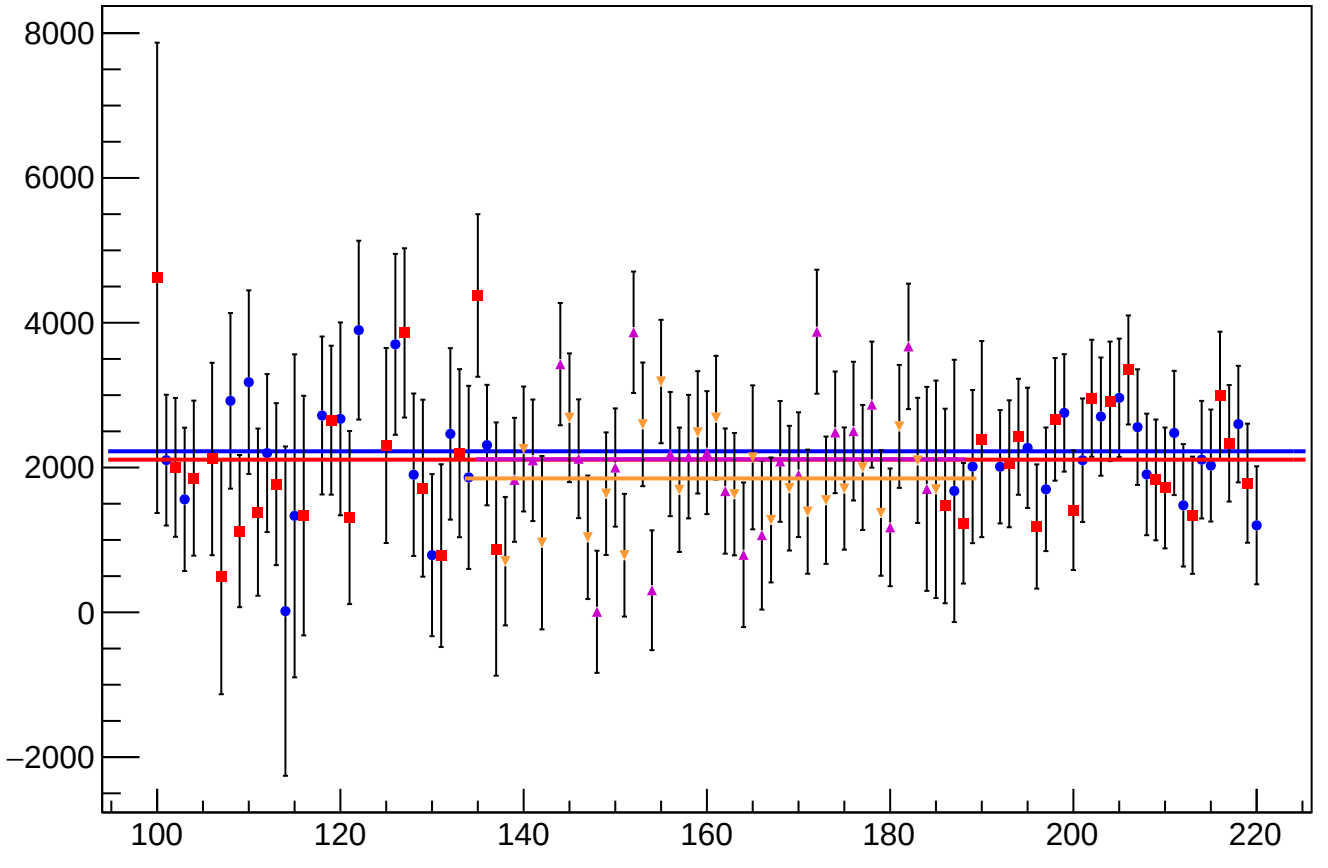
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1405.931+/-0.159 χ^2/NDF: 3521059.4/66

In: 1373.832+/-0.159 χ^2/NDF:3122734.8/55

Out: 1407.214+/-0.163 χ^2/NDF:2863755.4/57

All: 1390.134+/-0.114 χ^2/NDF: 6007973.9/11



Right In: 2224.482+/-168.135 χ^2/NDF: 13.1/32

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

Right Out: 2108.904+/-169.042 χ^2/NDF: 23.1/34

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

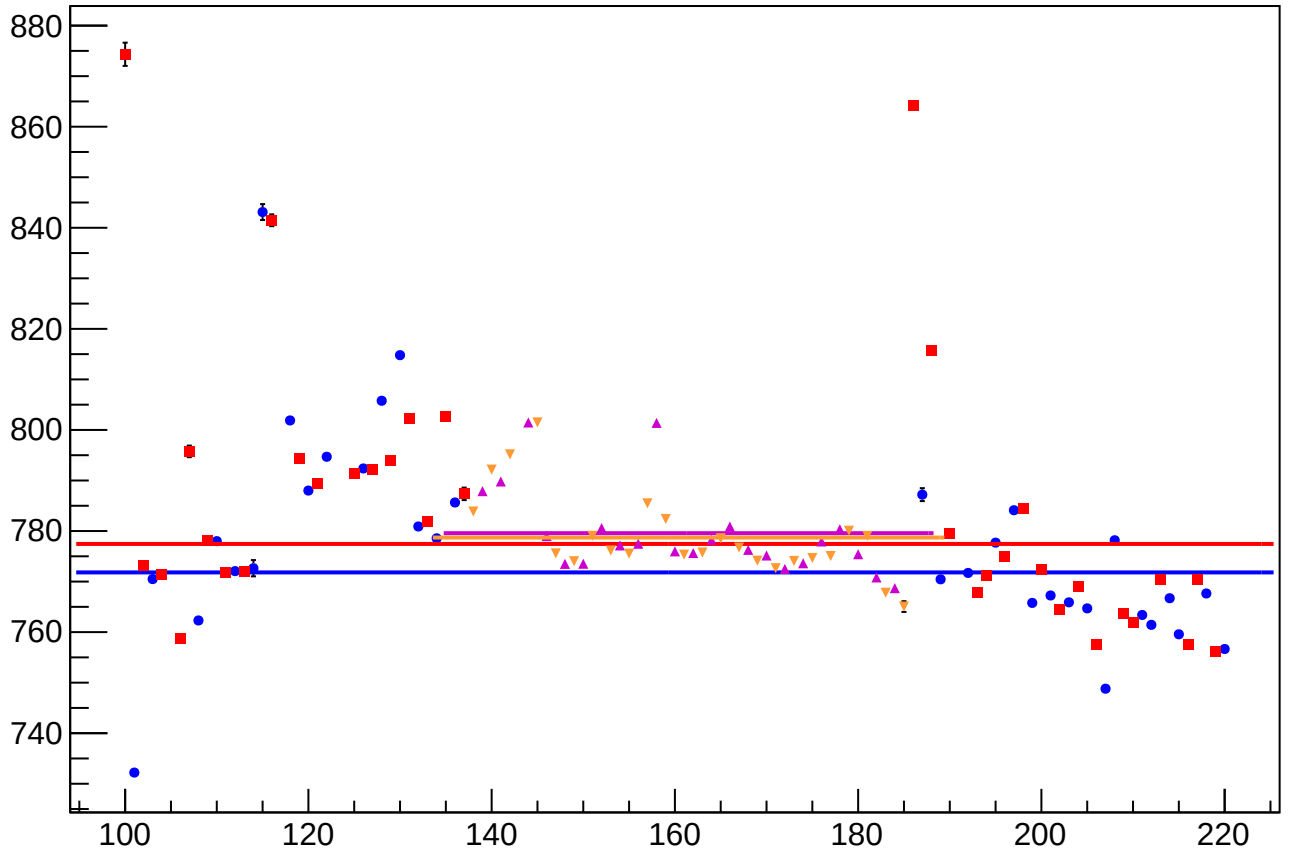
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2167.004+/-119.209 χ^2/NDF: 36.5/67

In: 2173.821+/-123.509 χ^2/NDF:44.4/55

Out: 1987.910+/-123.459 χ^2/NDF:37.1/58

All: 2080.828+/-87.316 χ^2/NDF: 82.6/114



Right In: 771.814+/-0.119 χ^2/NDF: 19296.7/32

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

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

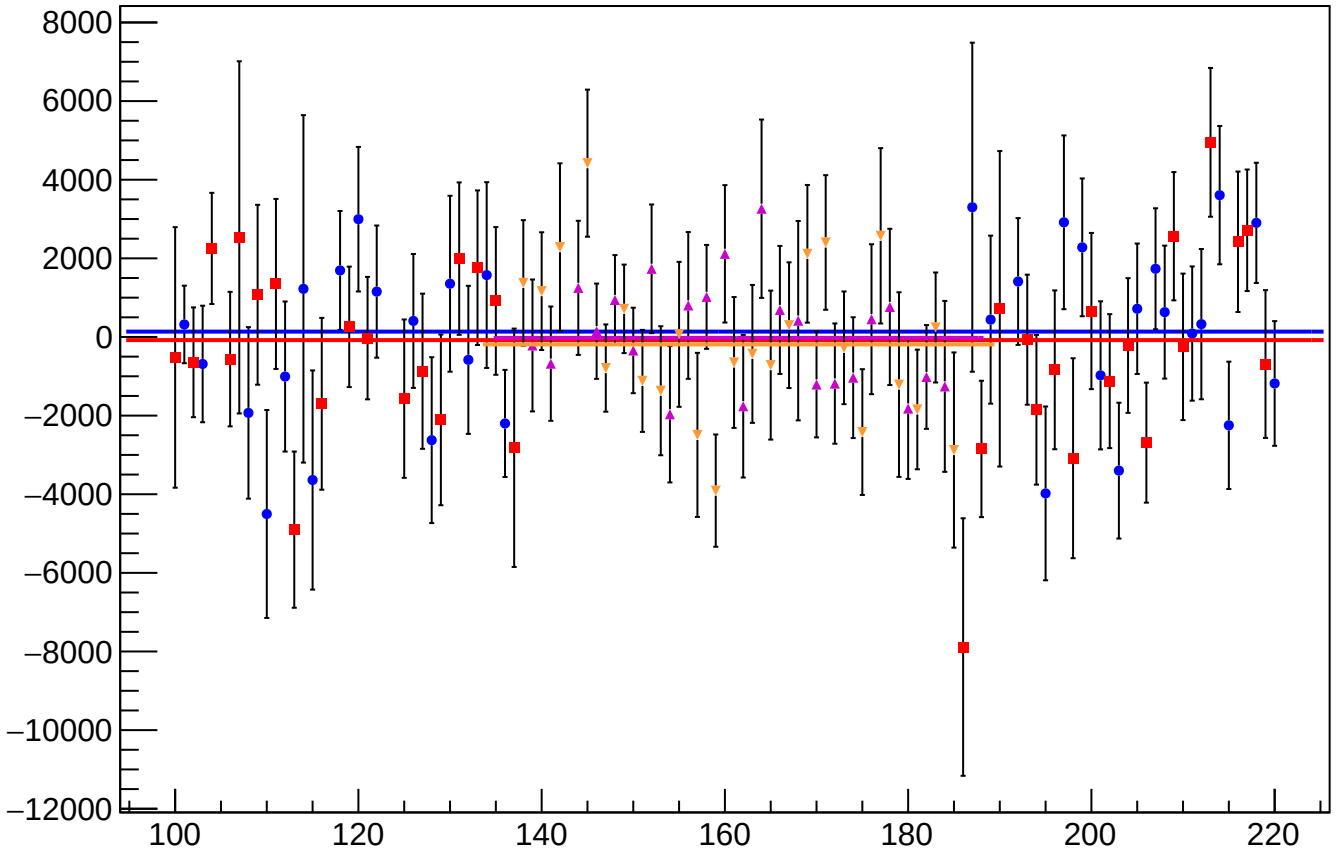
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 774.615+/-0.084 χ^2/NDF: 48734.4/67

In: 775.387+/-0.087 χ^2/NDF:25431.7/55

Out: 778.035+/-0.087 χ^2/NDF:31762.9/58

All: 776.712+/-0.062 χ^2/NDF: 57654.7/114



Right In: 136.579+/-309.469 χ^2/NDF: 39.5/32

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

Right Out: -79.537+/-321.260 χ^2/NDF: 44.3/34

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

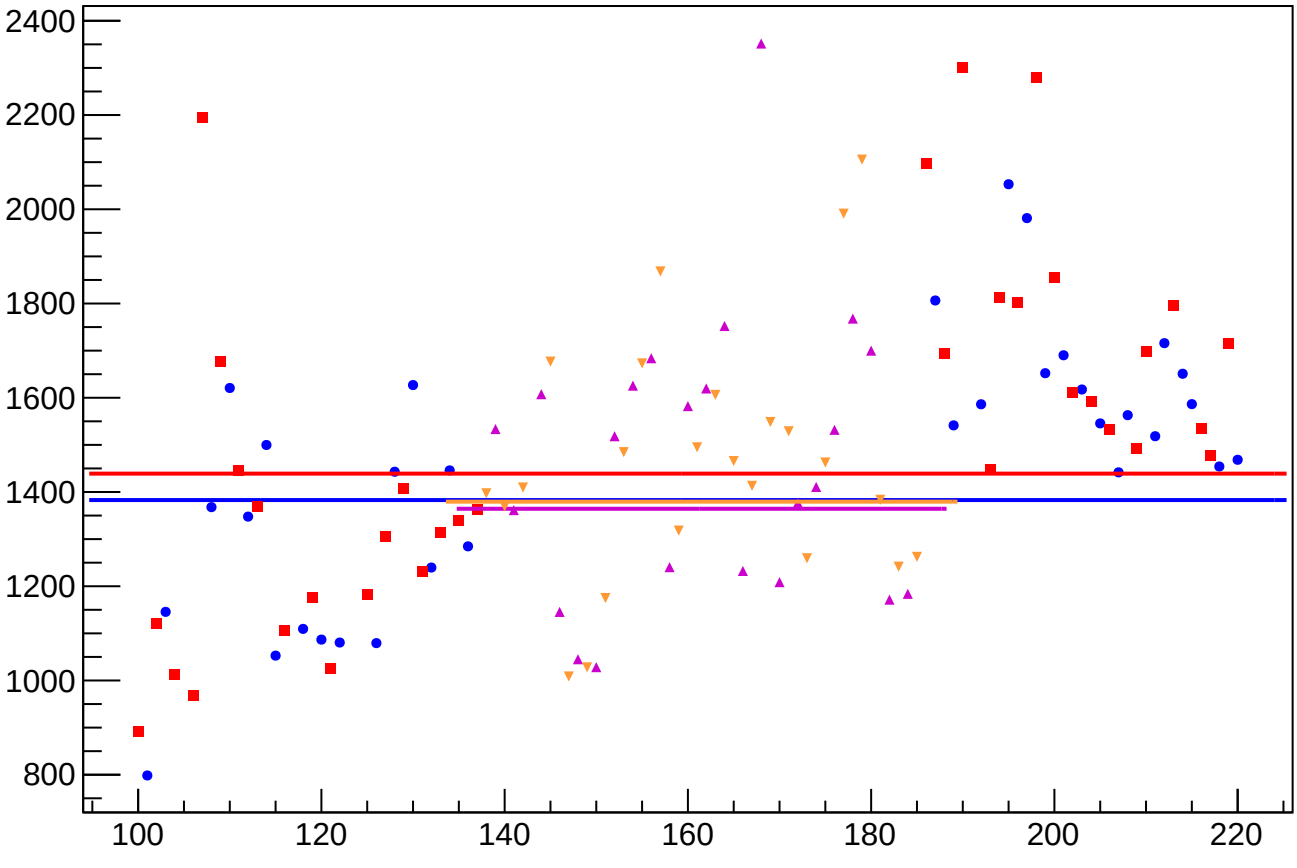
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: 32.560+/-222.879 χ^2/NDF: 84.1/67

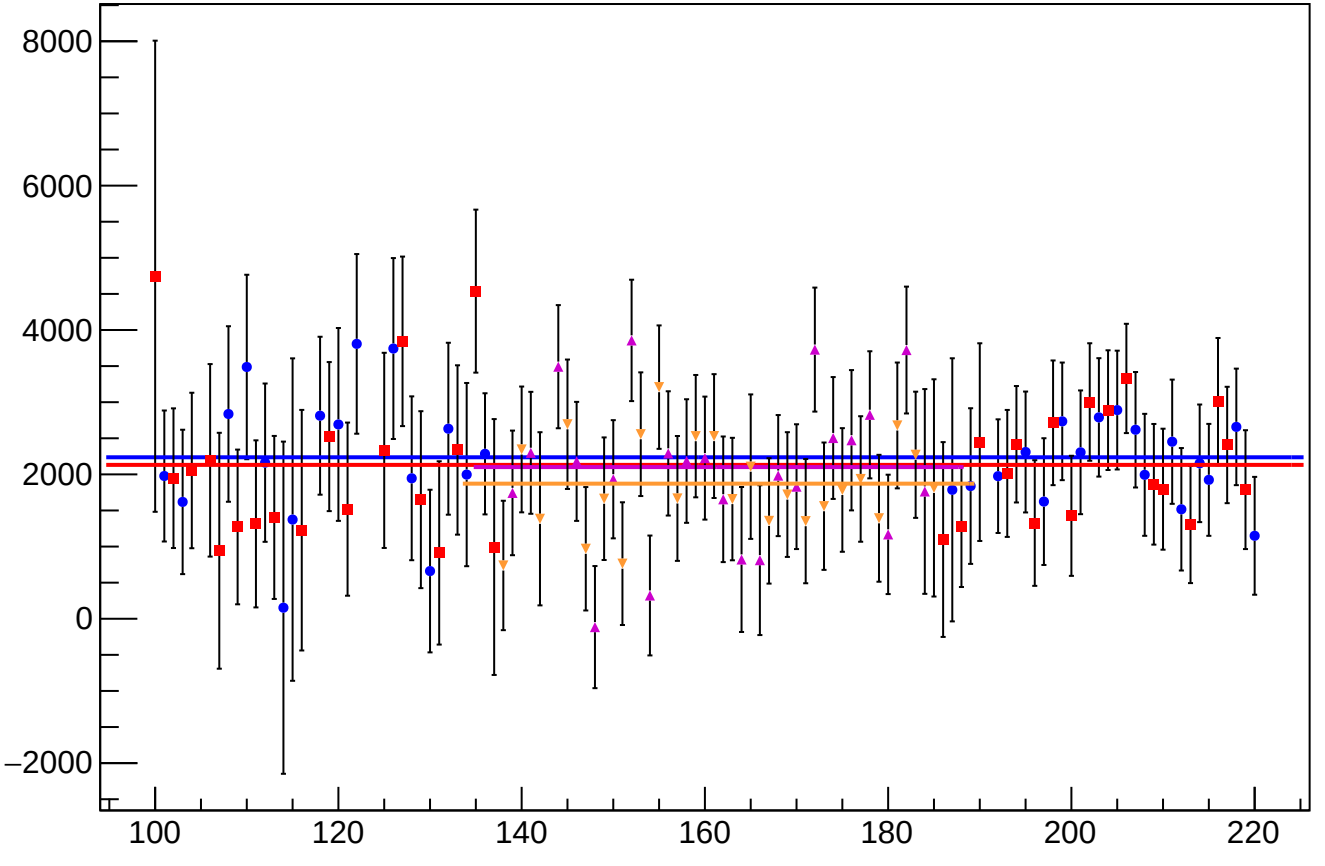
In: 60.536+/-224.382 χ^2/NDF:53.1/55

Out: -133.189+/-229.399 χ^2/NDF:74.0/58

All: -34.185+/-160.406 χ^2/NDF: 127.5/114


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
200
220
Right In: 1382.892+/-0.219 χ²/NDF: 1832126.9/32
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1439.008+/-0.227 χ²/NDF: 1770376.8/34
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1409.902+/-0.158 χ²/NDF: 3634155.3/67
In: 1374.127+/-0.159 χ²/NDF:3147809.2/55
Out: 1409.860+/-0.162 χ²/NDF:2962438.0/58
All: 1391.598+/-0.113 χ²/NDF: 6135047.0/11

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2236.874+/-169.135 χ^2/NDF: 13.8/32

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

Right Out: 2131.516+/-170.055 χ^2/NDF: 22.6/34

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

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

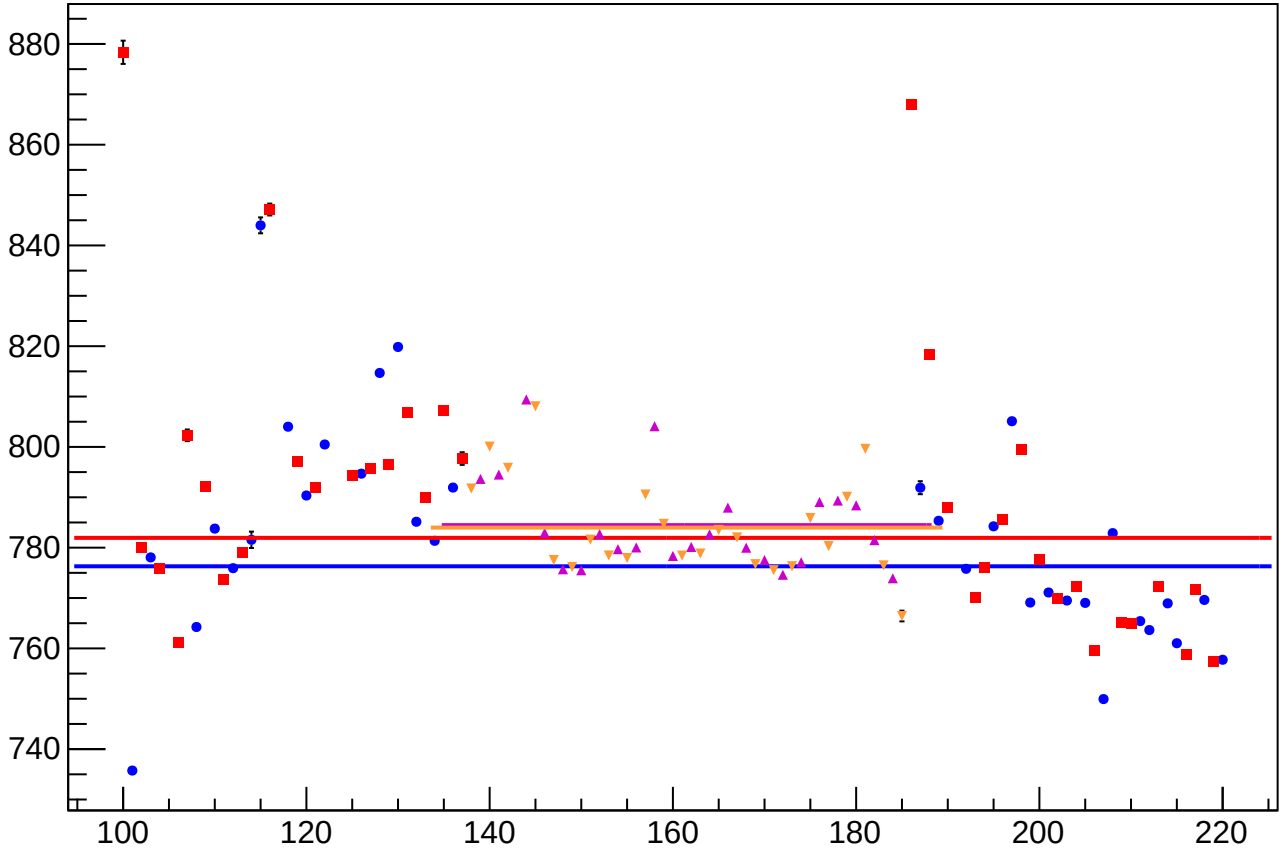
Right: 2184.481+/-119.920 χ^2/NDF: 36.6/67

In: 2174.366+/-124.265 χ^2/NDF:45.9/55

Out: 2010.284+/-124.248 χ^2/NDF:36.2/58

All: 2092.313+/-87.863 χ^2/NDF: 82.9/114

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 776.300+/-0.120 χ^2/NDF: 23230.3/32

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

Right Out: 781.946+/-0.120 χ^2/NDF: 30503.5/34

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

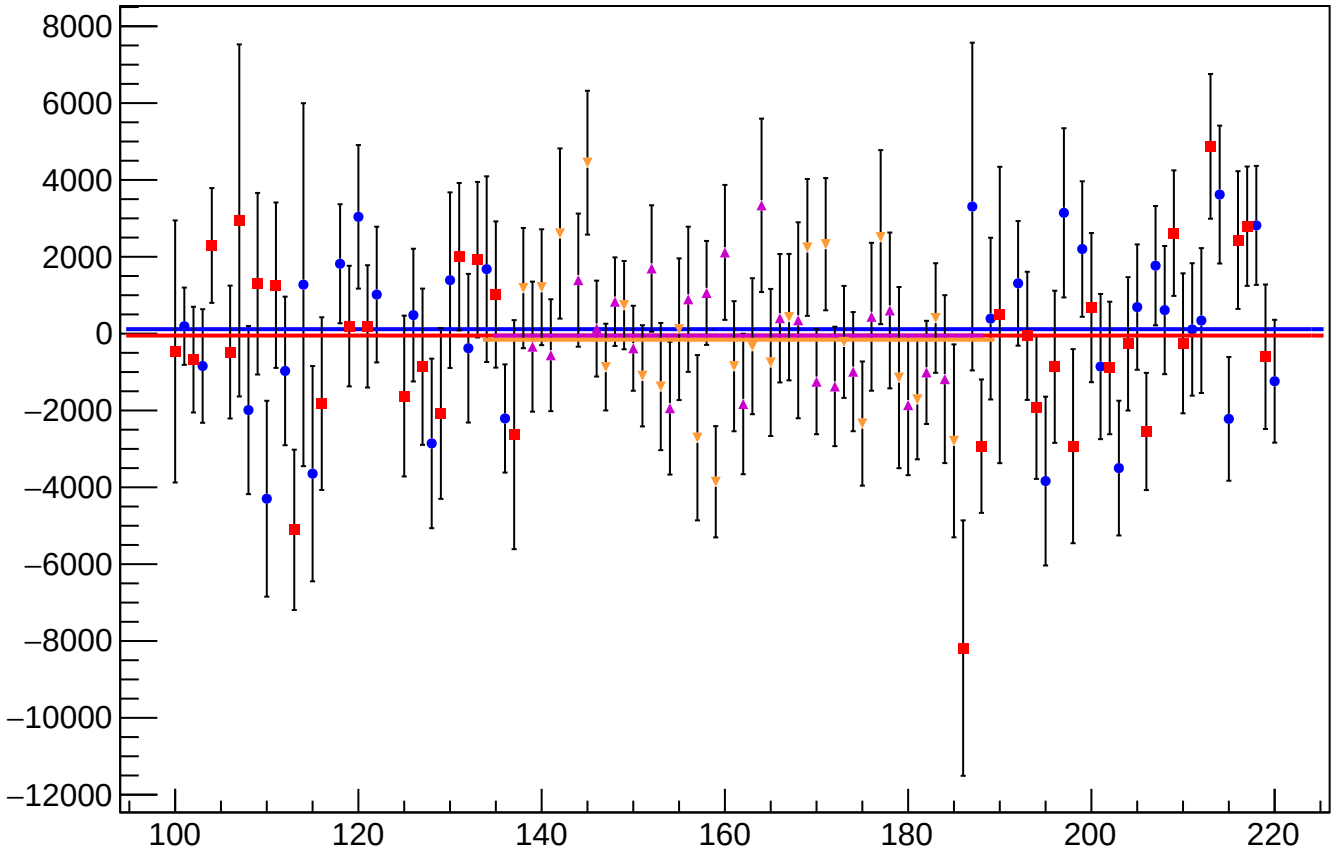
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 779.108+/-0.085 χ^2/NDF: 54842.3/67

In: 780.061+/-0.088 χ^2/NDF:30307.1/55

Out: 782.895+/-0.088 χ^2/NDF:35565.1/58

All: 781.478+/-0.062 χ^2/NDF: 66392.4/114



Right In: 116.022+/-312.761 χ^2/NDF: 39.0/32

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

Right Out: -49.802+/-324.020 χ^2/NDF: 44.3/34

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

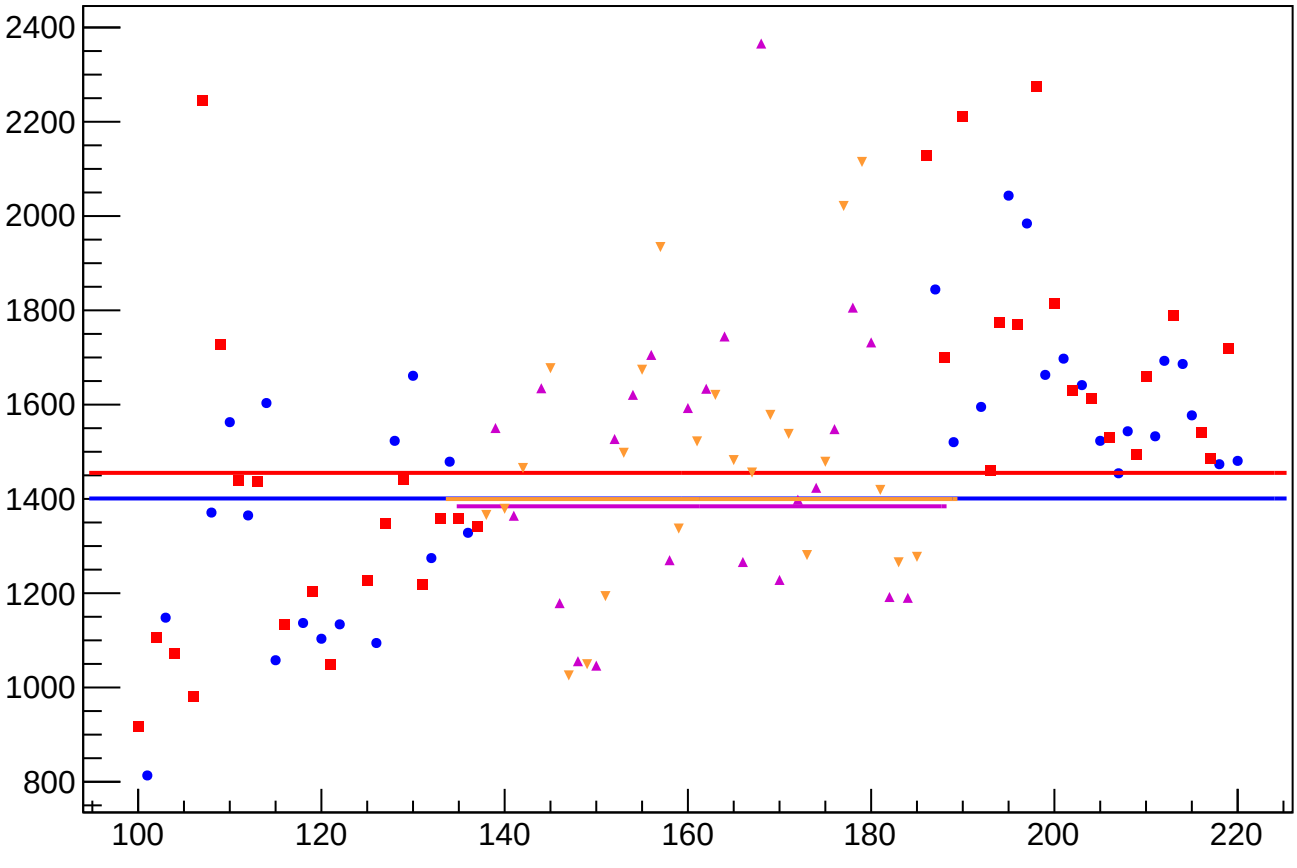
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: 36.041+/-225.030 χ^2/NDF: 83.5/67

In: 36.578+/-227.072 χ^2/NDF:52.6/55

Out: -103.176+/-231.951 χ^2/NDF:73.5/58

All: -31.814+/-162.262 χ^2/NDF: 126.2/114



Right In: 1400.931+/-0.221 χ^2/NDF: 1720918.8/32

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

Right Out: 1455.244+/-0.229 χ^2/NDF: 1604880.9/34

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

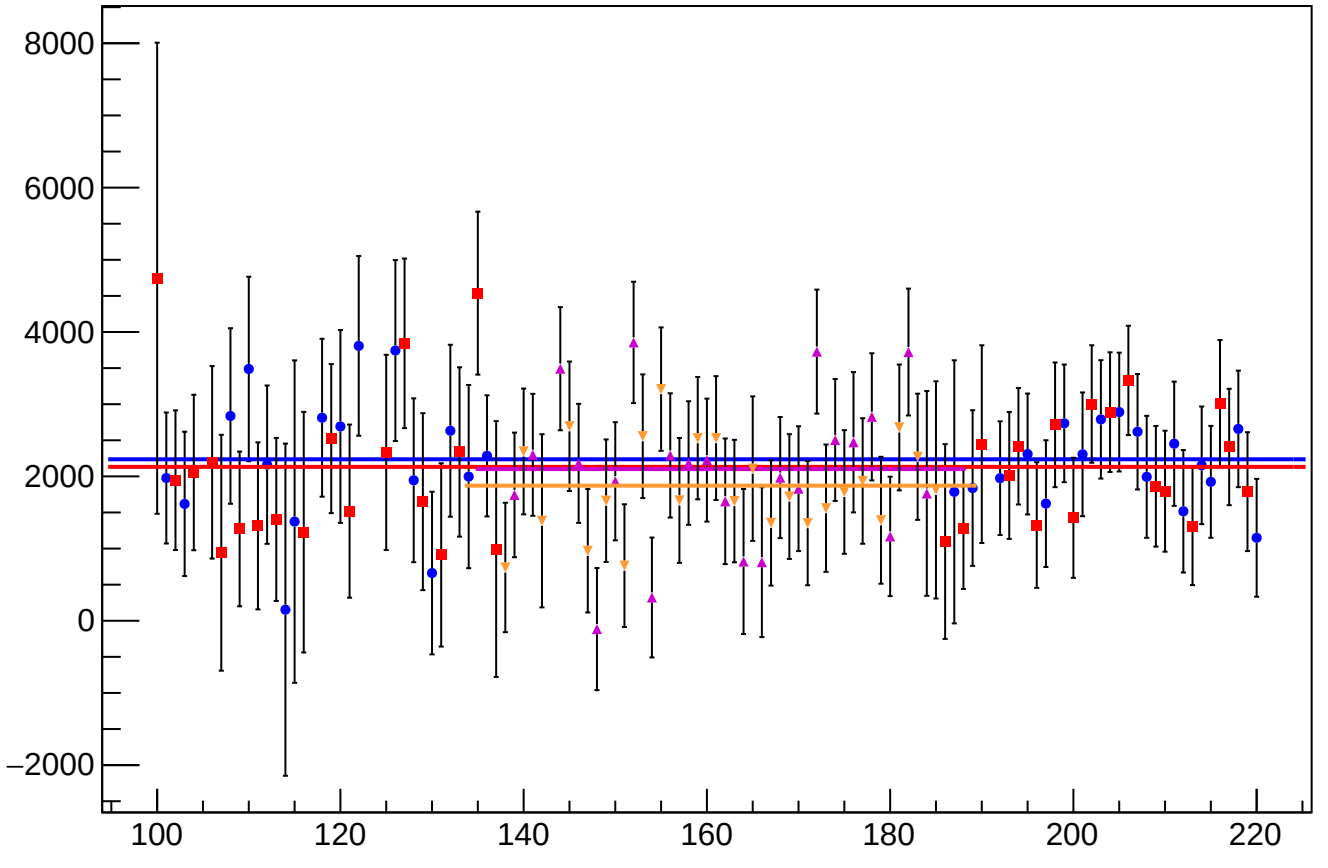
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1427.128+/-0.159 χ^2/NDF: 3354890.1/67

In: 1393.082+/-0.161 χ^2/NDF:2993519.1/55

Out: 1428.172+/-0.164 χ^2/NDF:2769867.7/58

All: 1410.254+/-0.115 χ^2/NDF: 5786758.7/11



Right In: 2236.875+/-169.135 χ^2/NDF: 13.8/32

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

Right Out: 2131.518+/-170.055 χ^2/NDF: 22.6/34

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

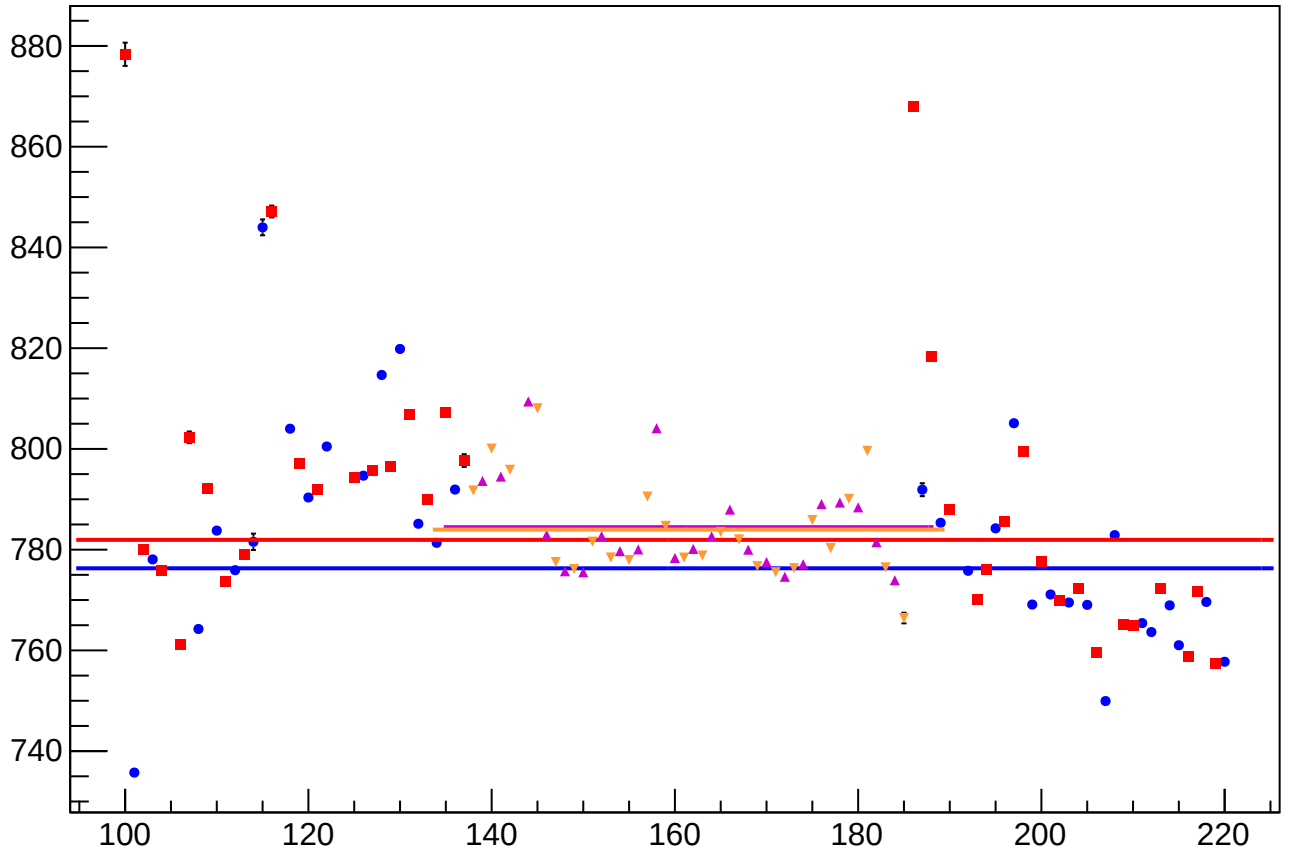
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2184.482+/-119.920 χ^2/NDF: 36.6/67

In: 2174.367+/-124.265 χ^2/NDF:45.9/55

Out: 2010.283+/-124.248 χ^2/NDF:36.2/58

All: 2092.313+/-87.863 χ^2/NDF: 82.9/114



Right In: 776.300+/-0.120 χ^2/NDF: 23230.2/32

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

Right Out: 781.946+/-0.120 χ^2/NDF: 30503.4/34

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

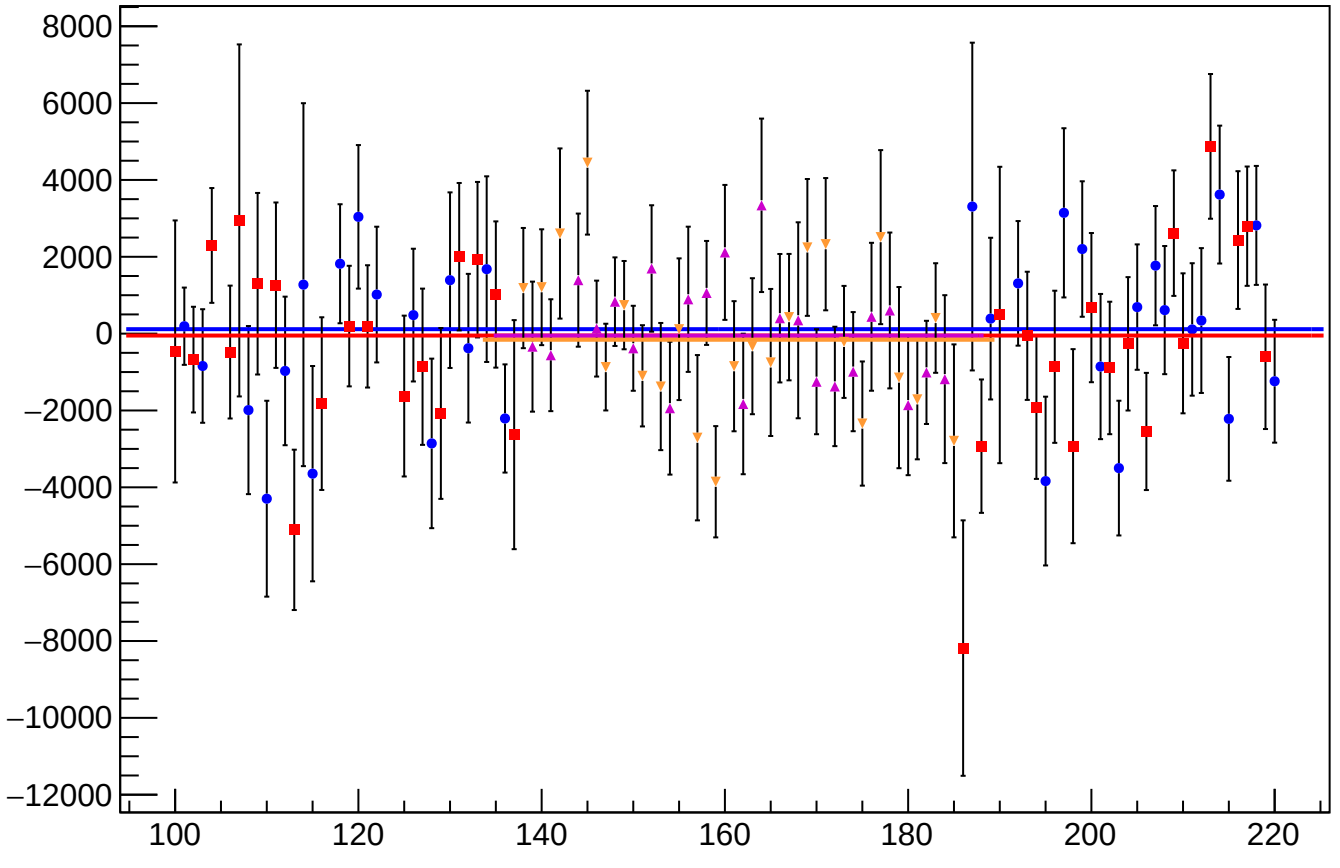
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 779.108+/-0.085 χ^2/NDF: 54842.0/67

In: 780.061+/-0.088 χ^2/NDF:30307.0/55

Out: 782.895+/-0.088 χ^2/NDF:35565.0/58

All: 781.478+/-0.062 χ^2/NDF: 66392.2/114



Right In: 116.021+/-312.761 χ^2/NDF: 39.0/32

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

Right Out: -49.800+/-324.019 χ^2/NDF: 44.3/34

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

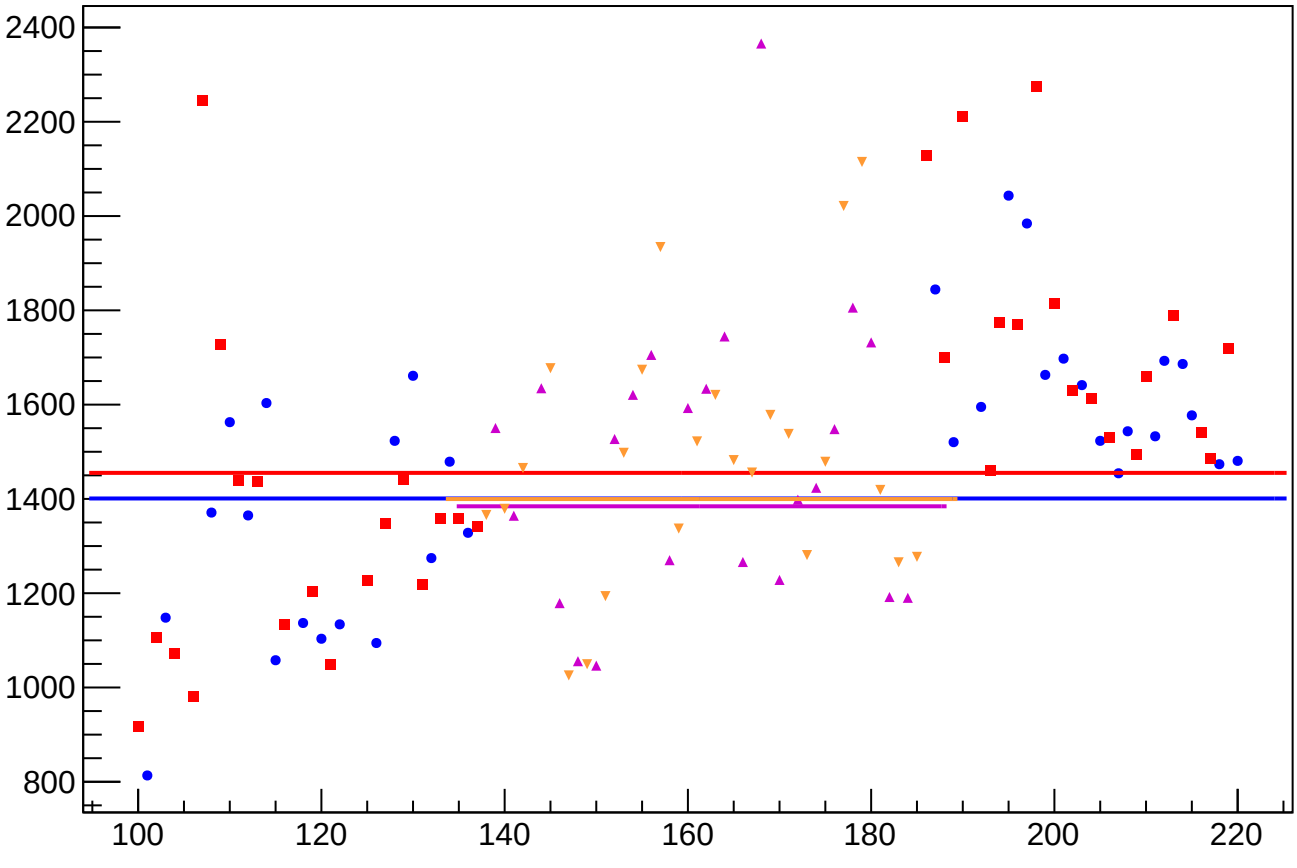
Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

Right: 36.041+/-225.030 χ^2/NDF: 83.5/67

In: 36.578+/-227.072 χ^2/NDF:52.6/55

Out: -103.176+/-231.951 χ^2/NDF:73.5/58

All: -31.814+/-162.262 χ^2/NDF: 126.2/114



Right In: 1400.931+/-0.221 χ^2/NDF: 1720941.7/32

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

Right Out: 1455.243+/-0.229 χ^2/NDF: 1604903.1/34

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

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

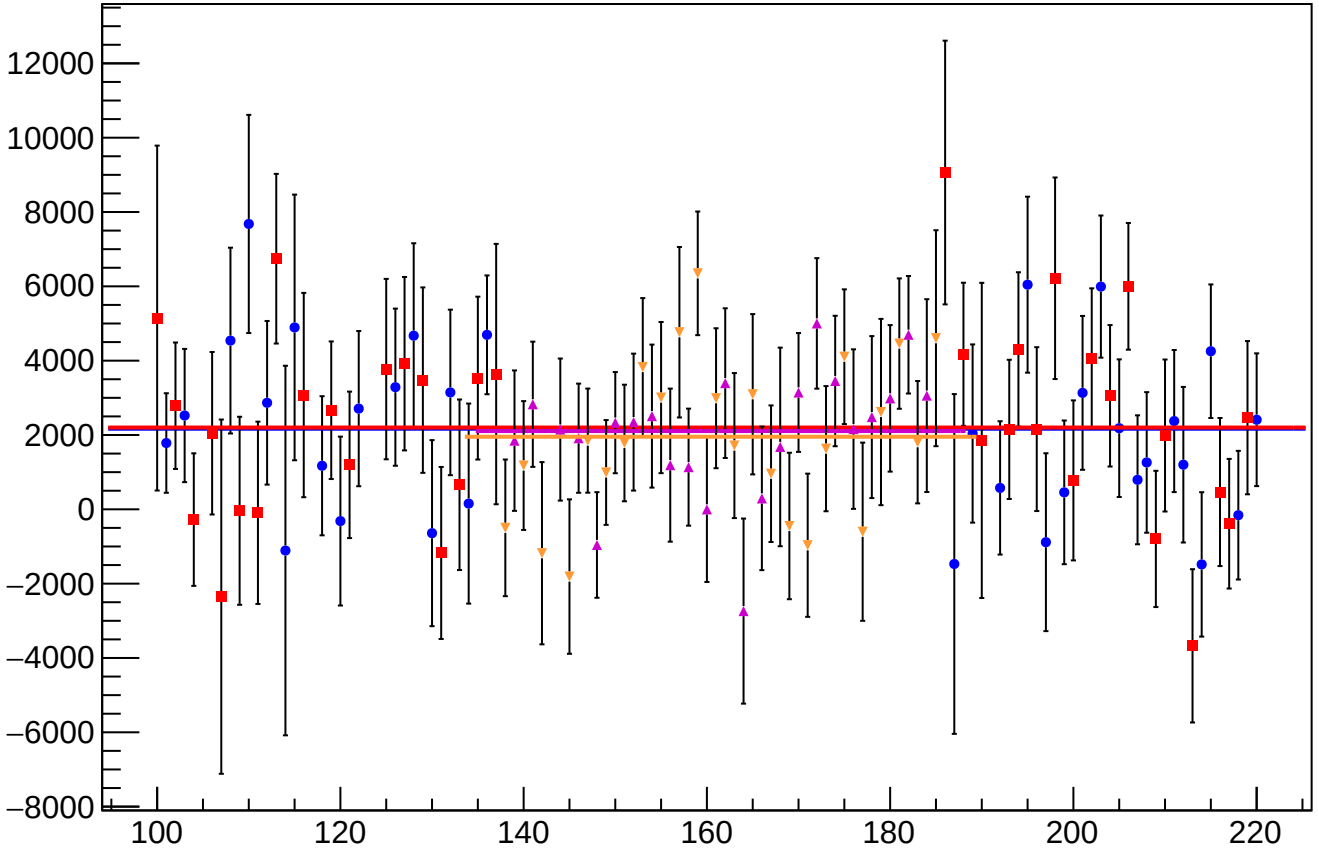
Right: 1427.127+/-0.159 χ^2/NDF: 3354934.4/67

In: 1393.083+/-0.161 χ^2/NDF:2993541.3/55

Out: 1428.172+/-0.164 χ^2/NDF:2769886.6/58

All: 1410.255+/-0.115 χ^2/NDF: 5786799.4/11

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2168.576+/-359.417 χ^2/NDF: 31.5/32

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

Right Out: 2200.610+/-369.993 χ^2/NDF: 42.1/34

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

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

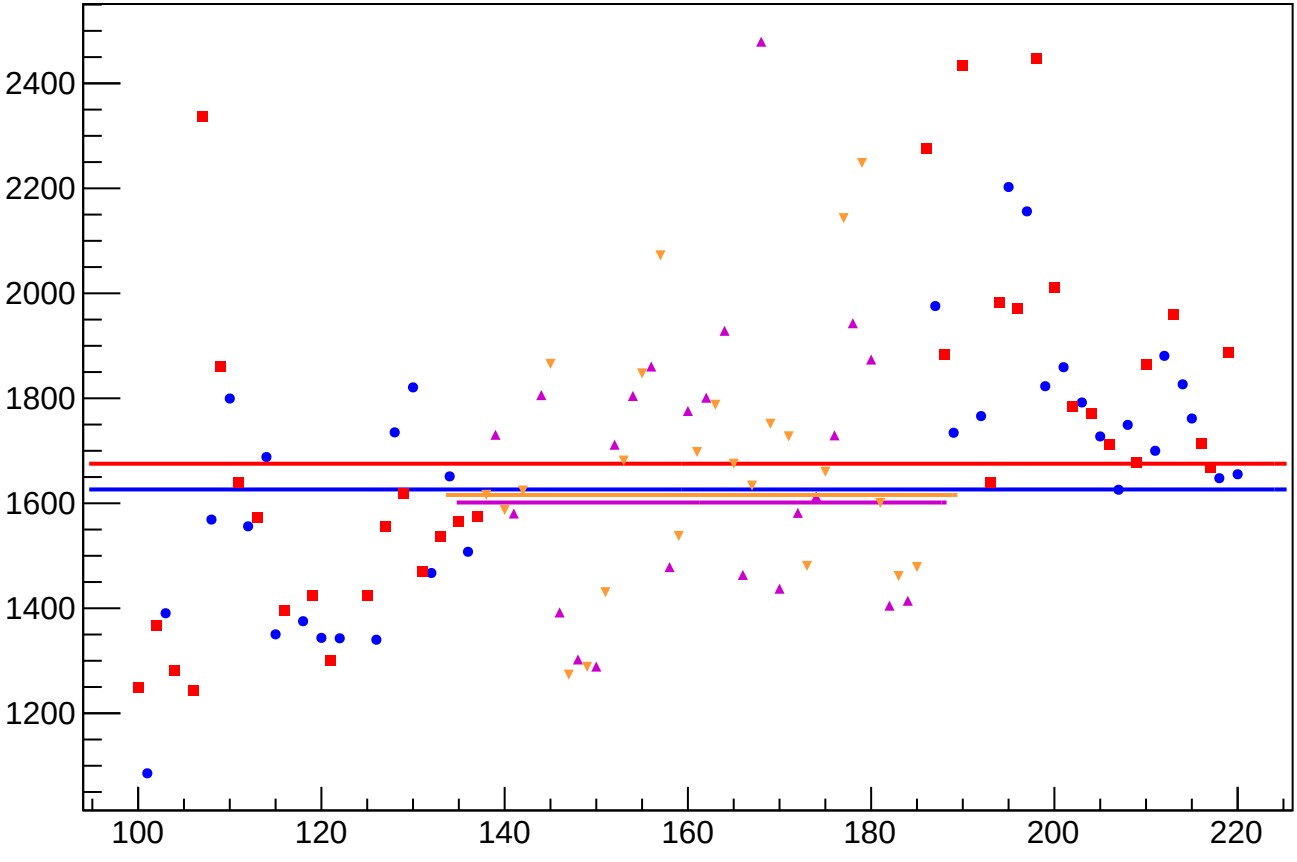
Right: 2184.129+/-257.804 χ^2/NDF: 73.7/67

In: 2138.674+/-260.811 χ^2/NDF:50.1/55

Out: 2079.907+/-265.183 χ^2/NDF:69.7/58

All: 2109.779+/-185.948 χ^2/NDF: 119.9/114

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1626.365+/-0.254 χ^2/NDF: 946434.3/32

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

Right Out: 1675.423+/-0.262 χ^2/NDF: 1022581.0/34

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

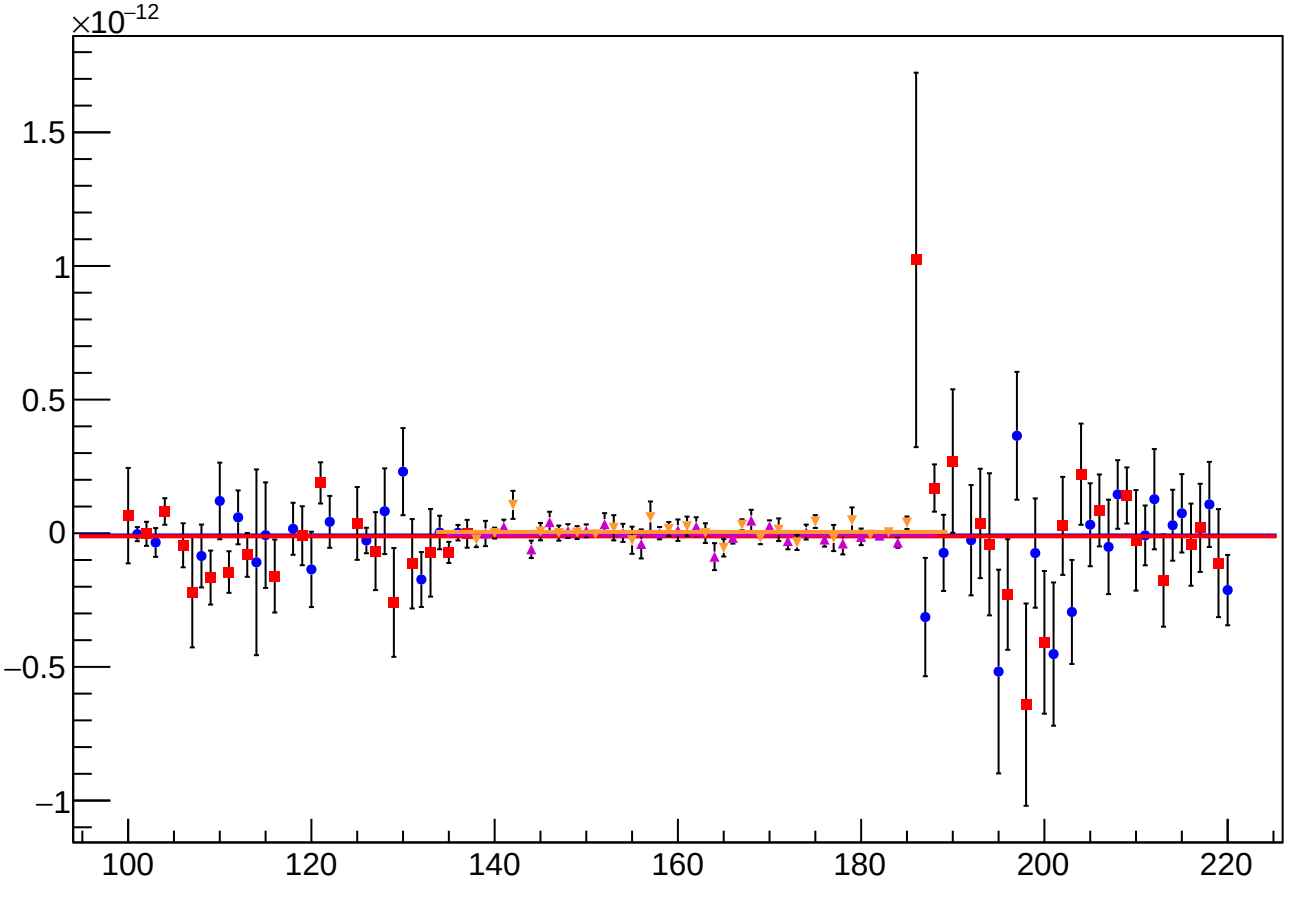
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1650.183+/-0.182 χ^2/NDF: 1987105.2/67

In: 1614.592+/-0.184 χ^2/NDF:1744690.2/55

Out: 1646.454+/-0.188 χ^2/NDF:1742145.8/58

All: 1630.258+/-0.131 χ^2/NDF: 3501512.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/32

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

Right Out: -0.000+/-0.000 χ^2/NDF: 42.5/34

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

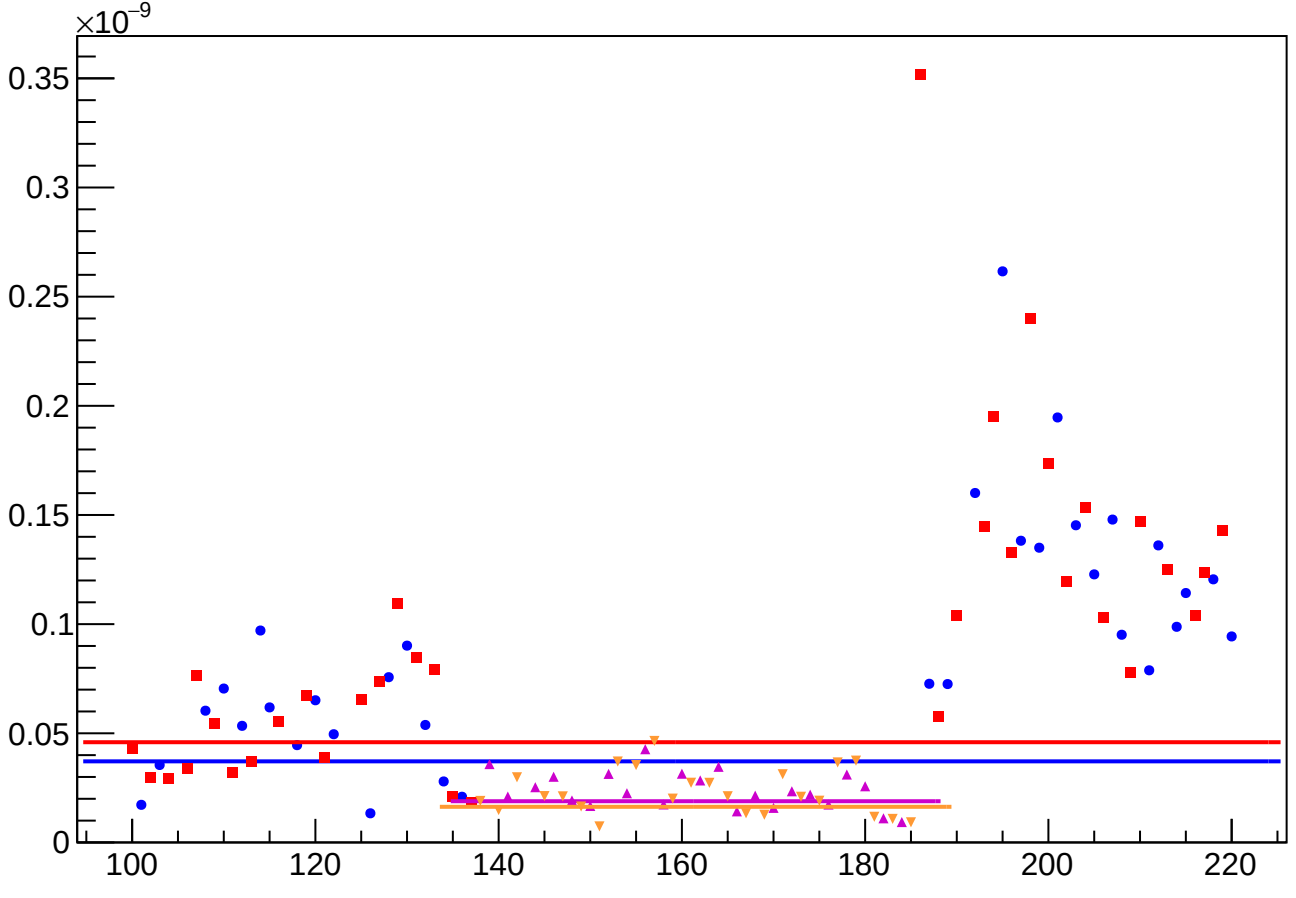
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 67.8/67

In: -0.000+/-0.000 χ^2/NDF:44.7/55

Out: 0.000+/-0.000 χ^2/NDF:64.4/58

All: -0.000+/-0.000 χ^2/NDF: 110.6/114



Right In: 0.000+/-0.000 χ^2/NDF: 11383943.9/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9257657.1/34

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

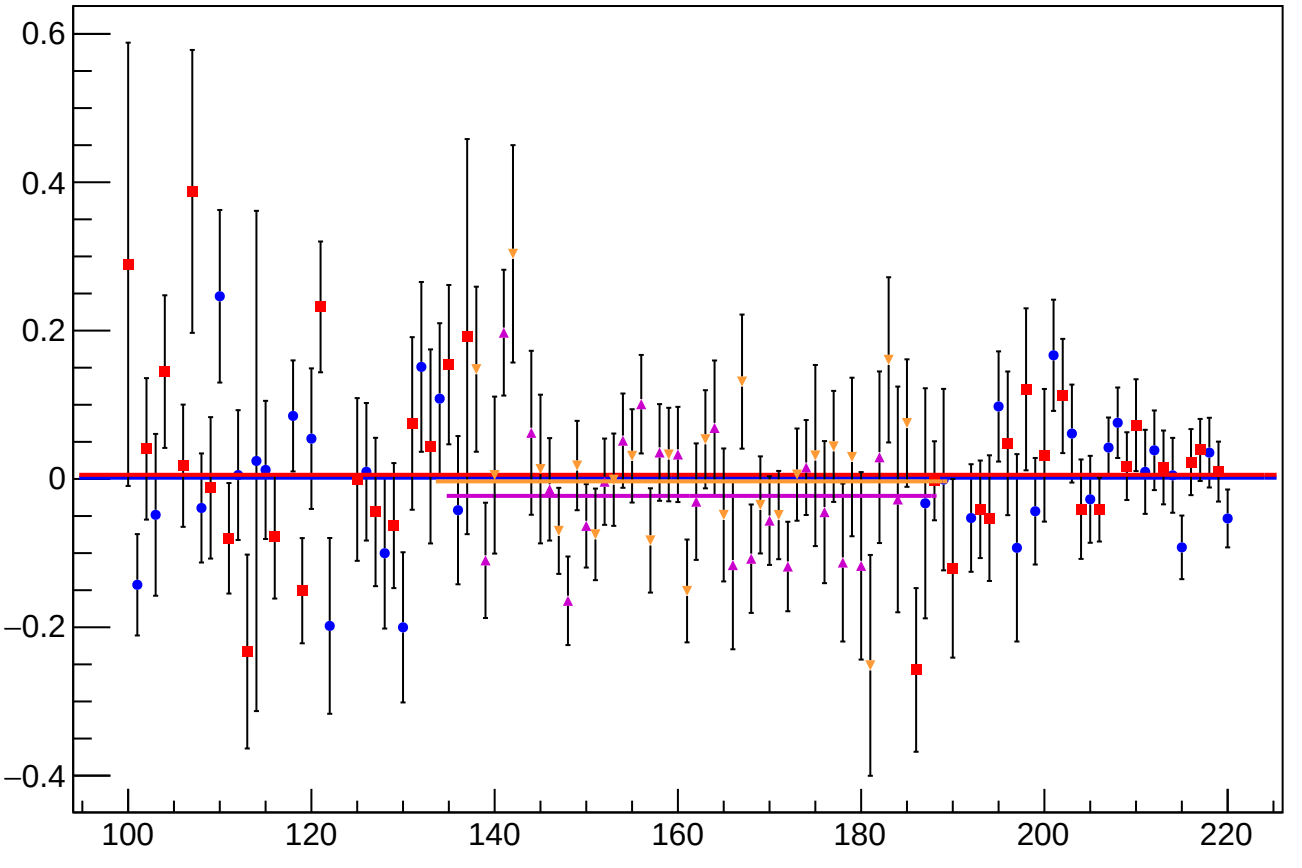
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 20962994.2/67

In: 0.000+/-0.000 χ^2/NDF:17482230.2/55

Out: 0.000+/-0.000 χ^2/NDF:19267098.8/58

All: 0.000+/-0.000 χ^2/NDF: 36966293.6/114



Right In: 0.002+/-0.012 χ^2/NDF: 42.2/32

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

Right Out: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

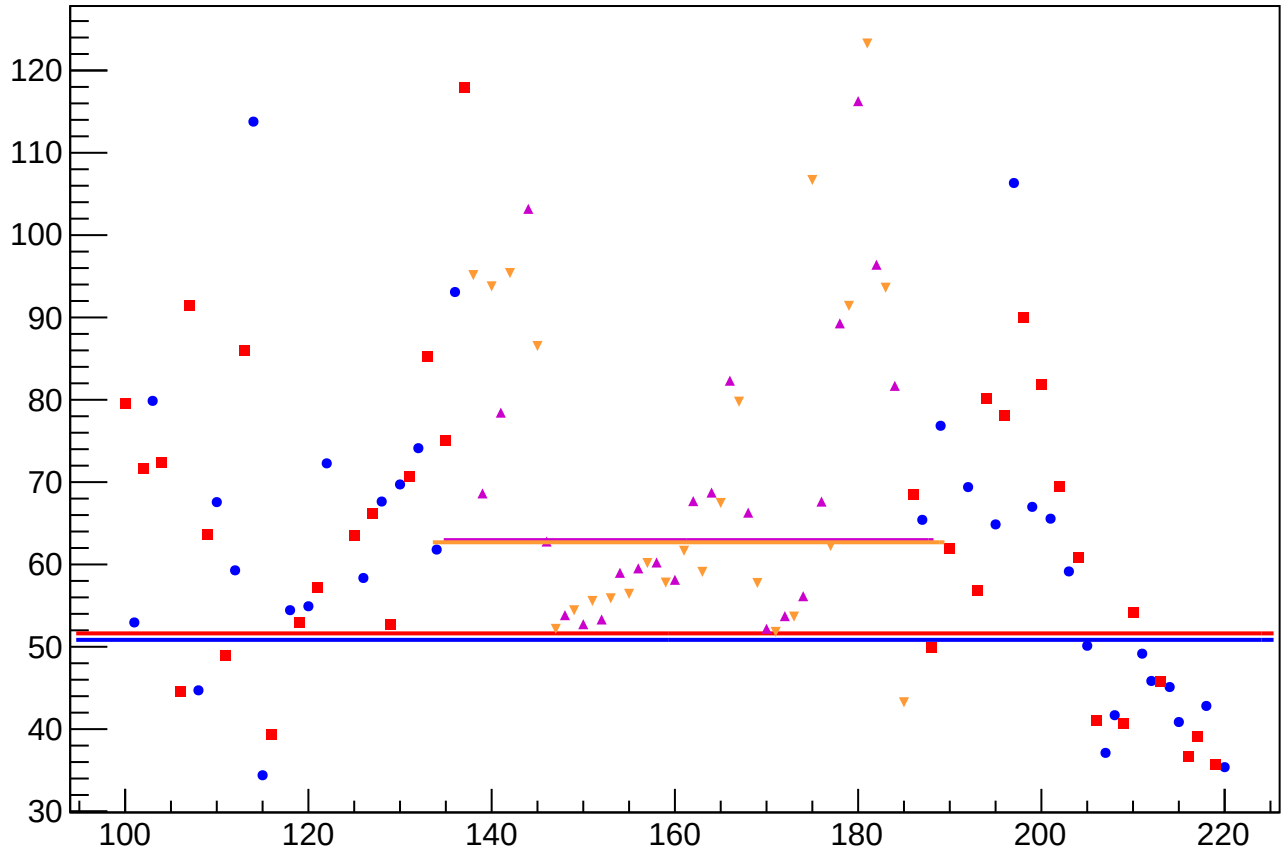
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.004+/-0.009 χ^2/NDF: 84.8/67

In: -0.008+/-0.009 χ^2/NDF:72.7/55

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.003+/-0.007 χ^2/NDF: 141.9/114



Right In: 50.841+/-0.008 χ^2/NDF: 2759592.3/32

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

Right Out: 51.629+/-0.009 χ^2/NDF: 3042671.1/34

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

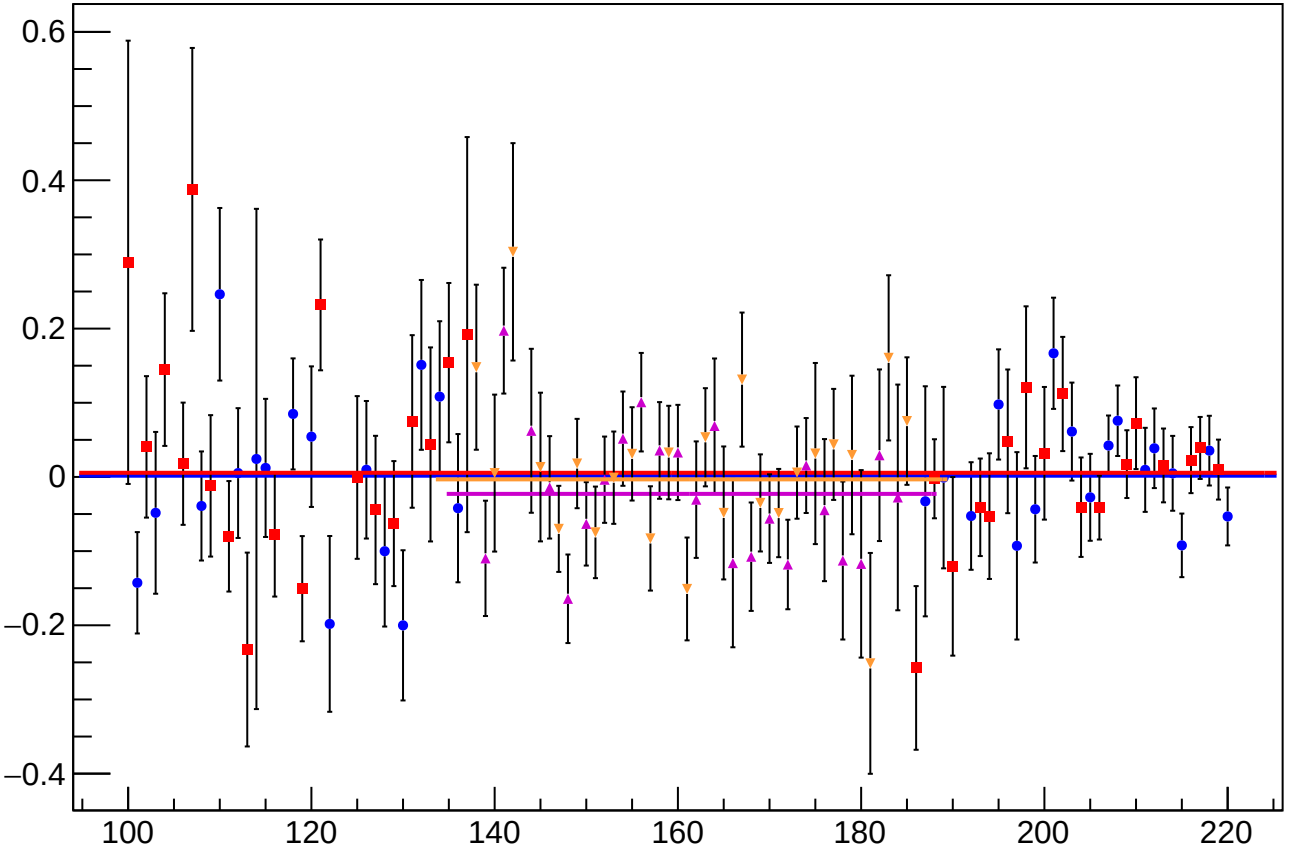
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 51.228+/-0.006 χ^2/NDF: 5806507.4/67

In: 55.382+/-0.007 χ^2/NDF:4954486.2/55

Out: 55.865+/-0.007 χ^2/NDF:5611952.0/58

All: 55.621+/-0.005 χ^2/NDF: 10569005.2/114



Right In: 0.002+/-0.012 χ^2/NDF: 42.2/32

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

Right Out: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

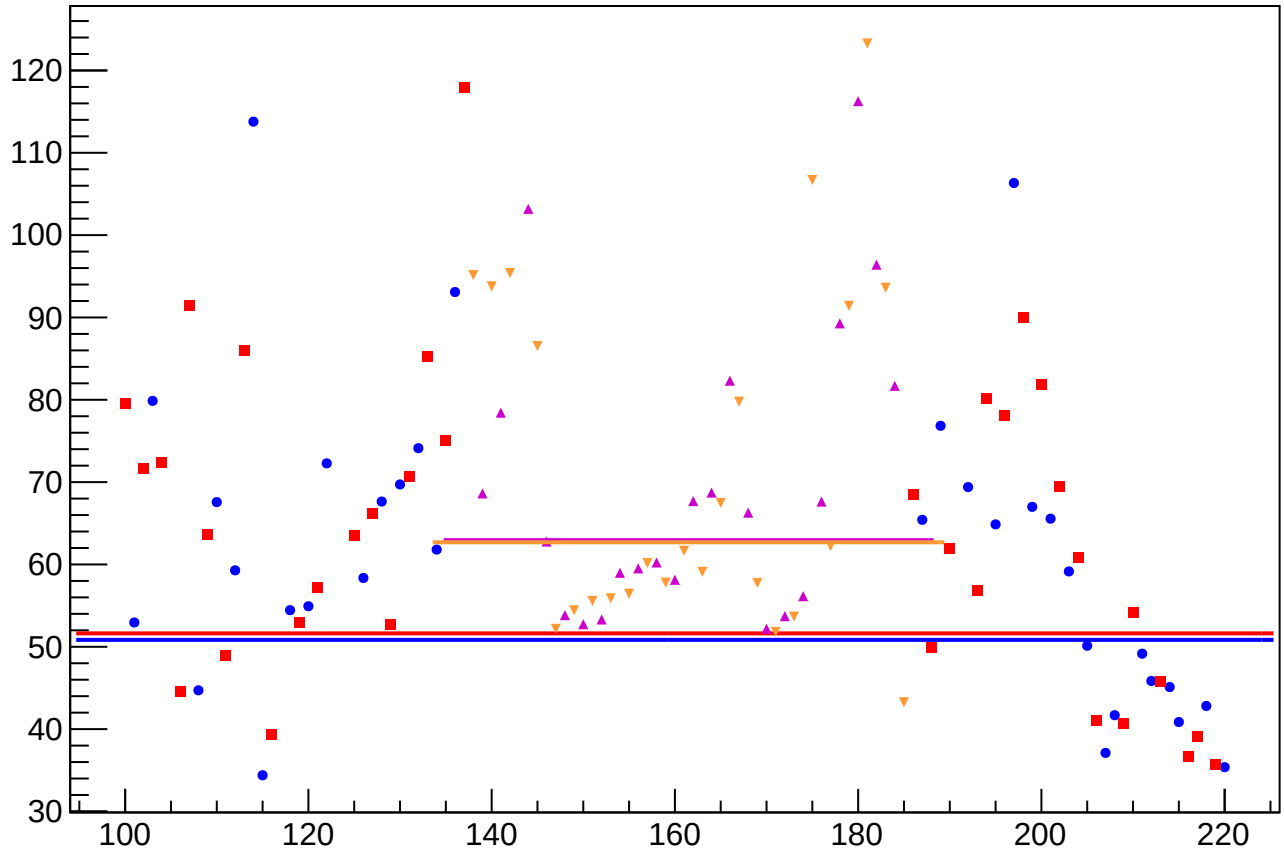
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.004+/-0.009 χ^2/NDF: 84.8/67

In: -0.008+/-0.009 χ^2/NDF:72.7/55

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.003+/-0.007 χ^2/NDF: 141.9/114



Right In: 50.841+/-0.008 χ^2/NDF: 2759592.3/32

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

Right Out: 51.629+/-0.009 χ^2/NDF: 3042671.1/34

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

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

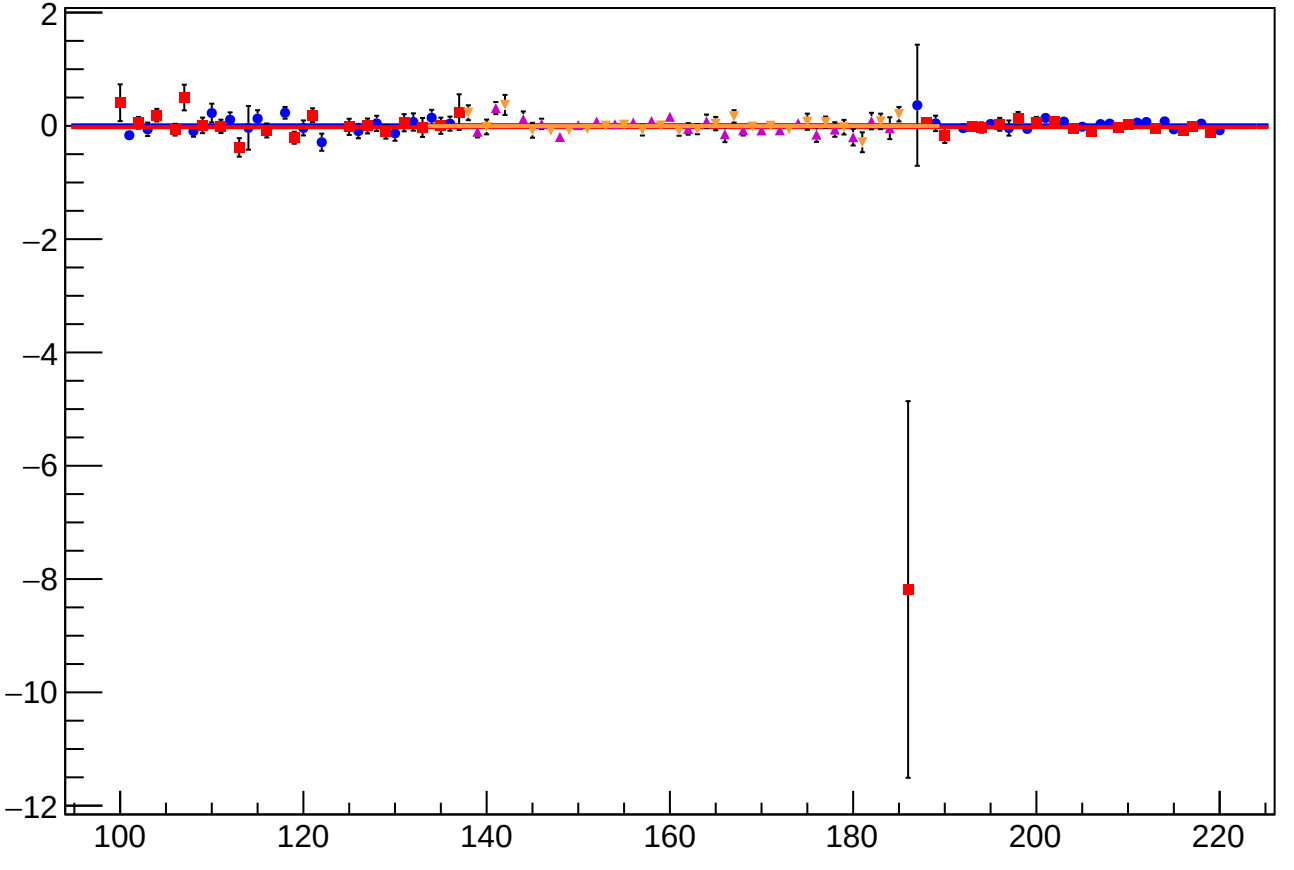
Right: 51.228+/-0.006 χ^2/NDF: 5806507.4/67

In: 55.382+/-0.007 χ^2/NDF:4954486.2/55

Out: 55.865+/-0.007 χ^2/NDF:5611952.0/58

All: 55.621+/-0.005 χ^2/NDF: 10569005.2/114

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.015 χ^2/NDF: 32.3/32

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

Right Out: -0.024+/-0.016 χ^2/NDF: 42.7/34

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

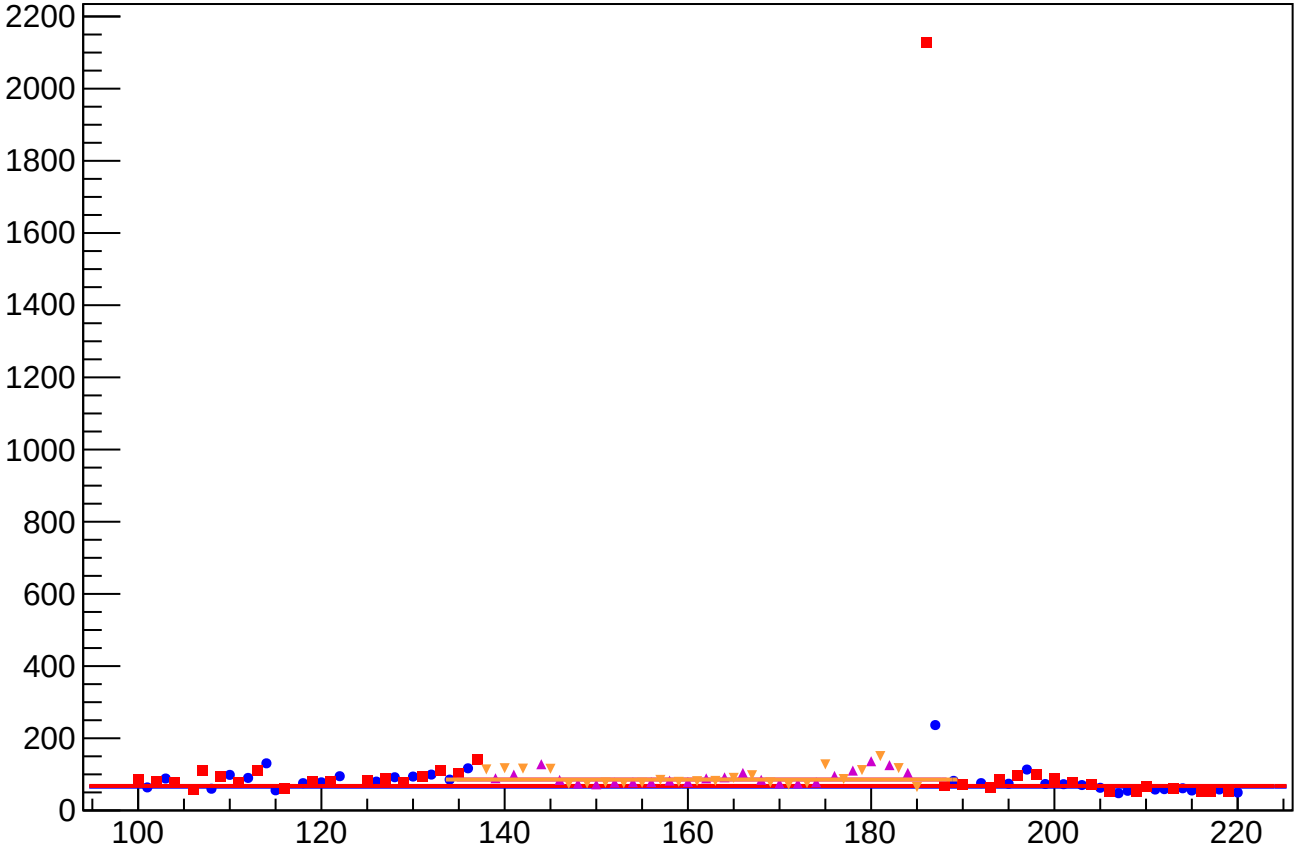
Right: -0.006+/-0.011 χ^2/NDF: 77.4/67

In: 0.007+/-0.012 χ^2/NDF:63.0/55

Out: -0.017+/-0.013 χ^2/NDF:64.6/58

All: -0.005+/-0.009 χ^2/NDF: 129.4/114

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.812+/-0.011 χ^2/NDF: 2137843.1/32

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

Right Out: 67.918+/-0.011 χ^2/NDF: 2855686.2/34

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

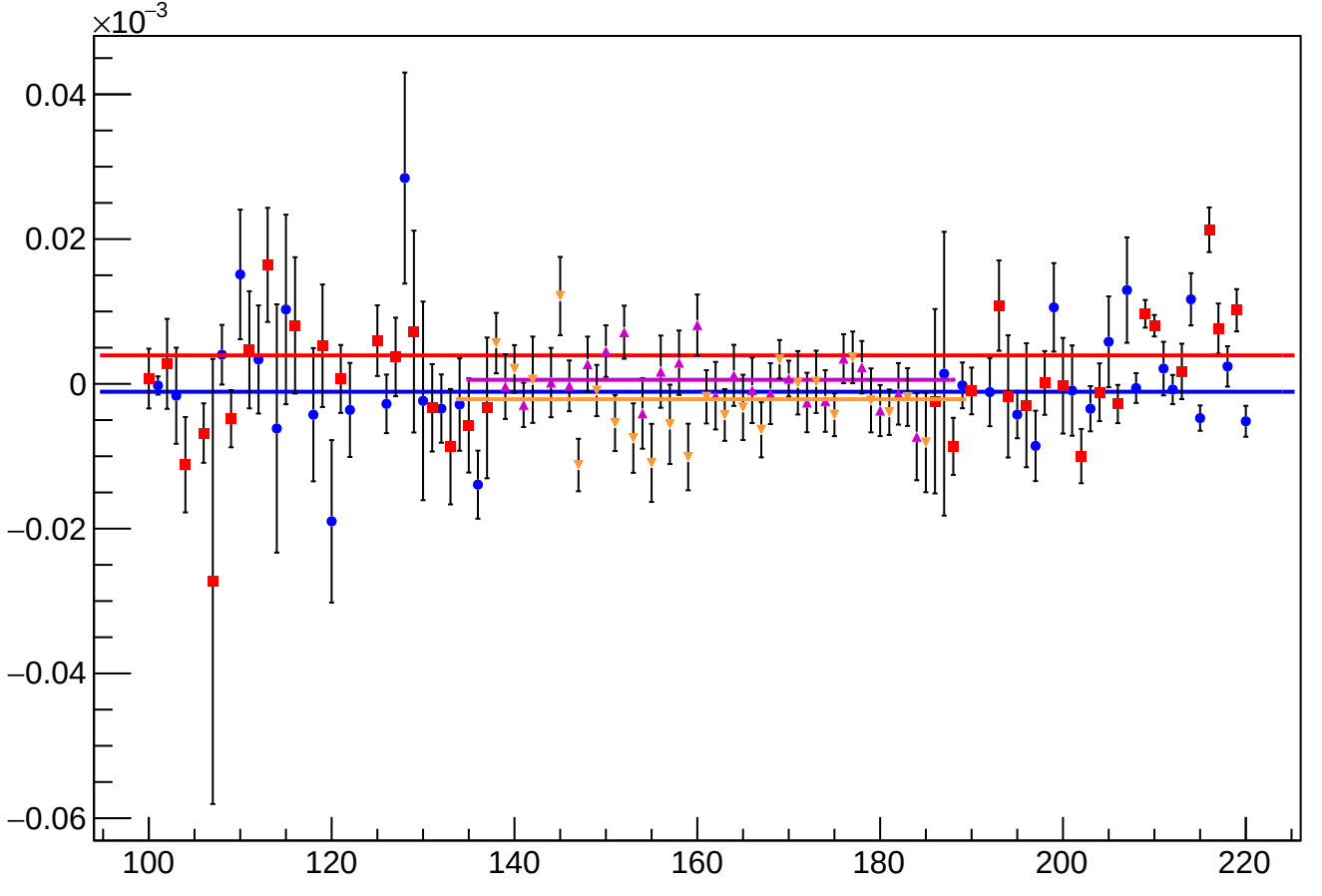
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 66.830+/-0.008 χ^2/NDF: 5011992.8/67

In: 72.804+/-0.009 χ^2/NDF:4330070.8/55

Out: 74.430+/-0.009 χ^2/NDF:5138785.1/58

All: 73.599+/-0.006 χ^2/NDF: 9486044.2/114



Right In: -0.000+/-0.000 χ^2/NDF: 56.8/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 121.2/34

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

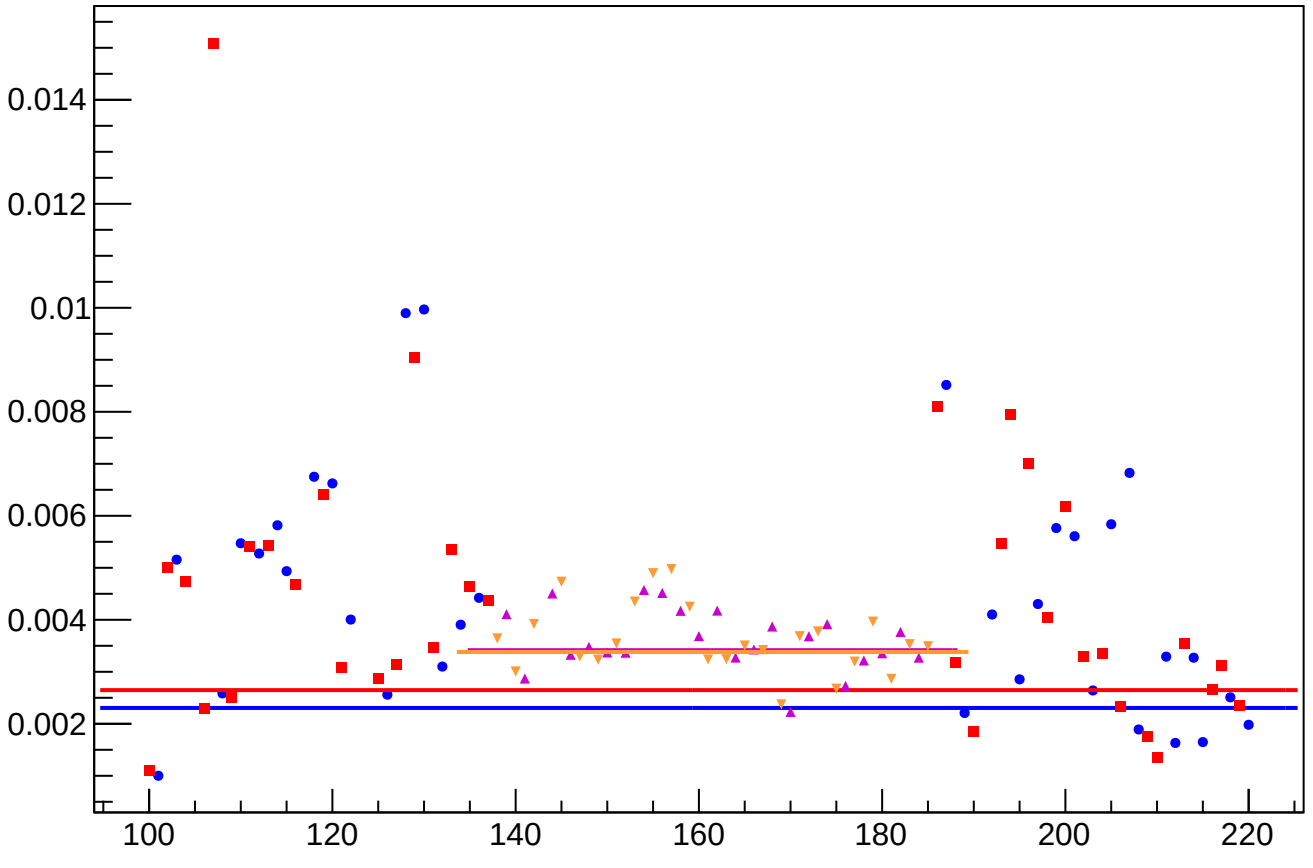
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: 0.000+/-0.000 χ^2/NDF: 208.6/67

In: -0.000+/-0.000 χ^2/NDF:76.0/55

Out: 0.000+/-0.000 χ^2/NDF:191.7/58

All: 0.000+/-0.000 χ^2/NDF: 275.0/114



Right In: 0.002+/-0.000 χ^2/NDF: 10369444.6/32

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

Right Out: 0.003+/-0.000 χ^2/NDF: 8351839.3/34

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

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

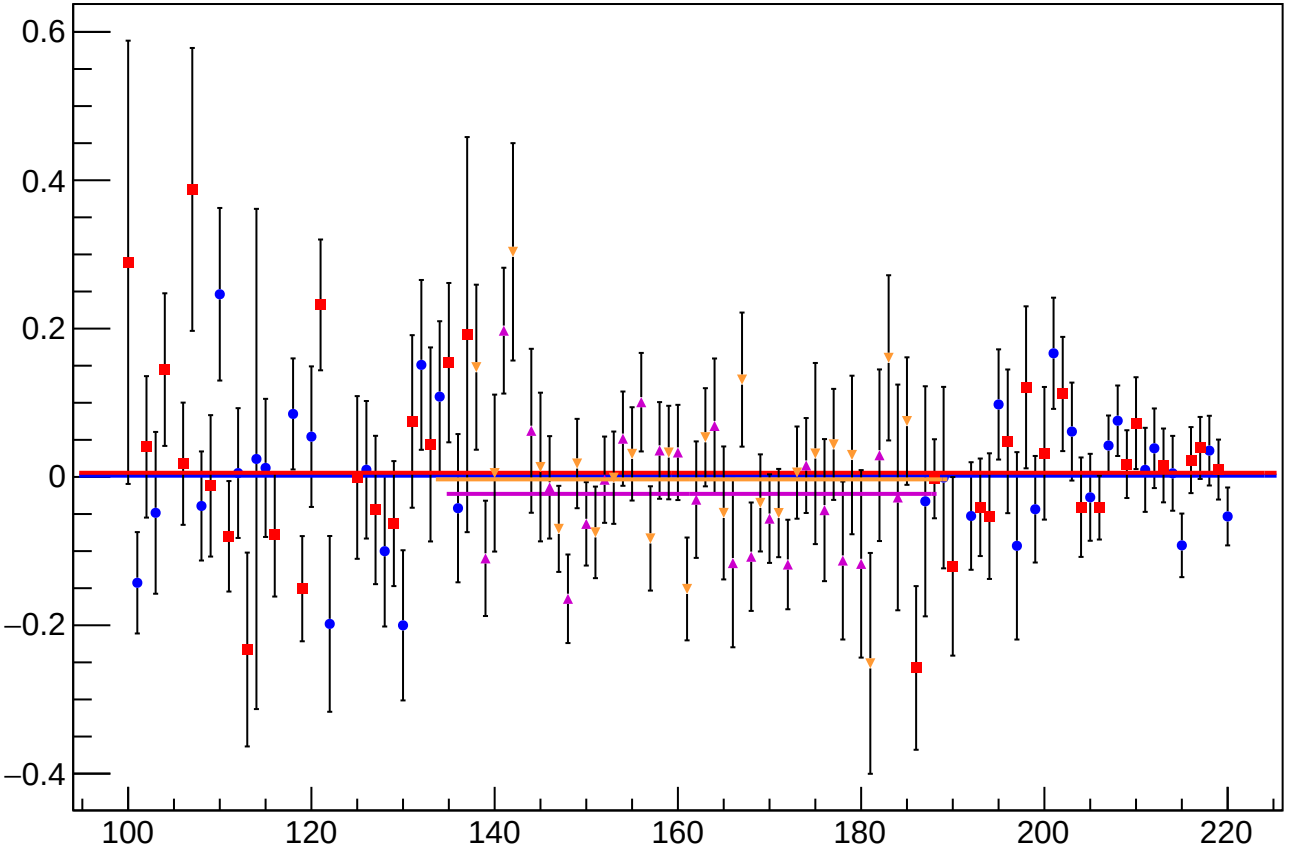
Right: 0.002+/-0.000 χ^2/NDF: 19006911.0/67

In: 0.003+/-0.000 χ^2/NDF:13947760.7/55

Out: 0.003+/-0.000 χ^2/NDF:10514184.9/58

All: 0.003+/-0.000 χ^2/NDF: 24723192.1/114

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.012 χ^2/NDF: 42.2/32

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

Right Out: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

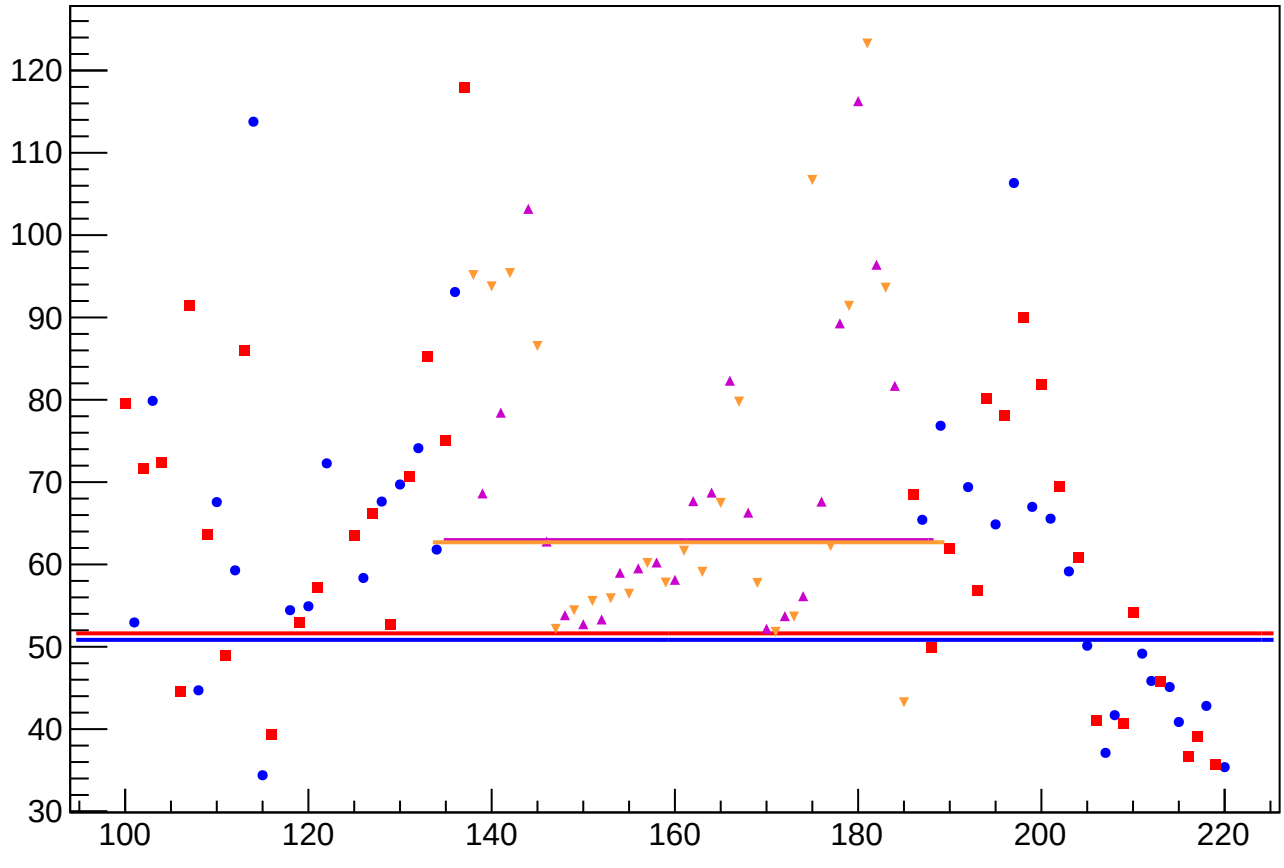
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.004+/-0.009 χ^2/NDF: 84.8/67

In: -0.008+/-0.009 χ^2/NDF:72.7/55

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.003+/-0.007 χ^2/NDF: 141.9/114



Right In: 50.841+/-0.008 χ^2/NDF: 2759386.5/32

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

Right Out: 51.629+/-0.009 χ^2/NDF: 3042450.1/34

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

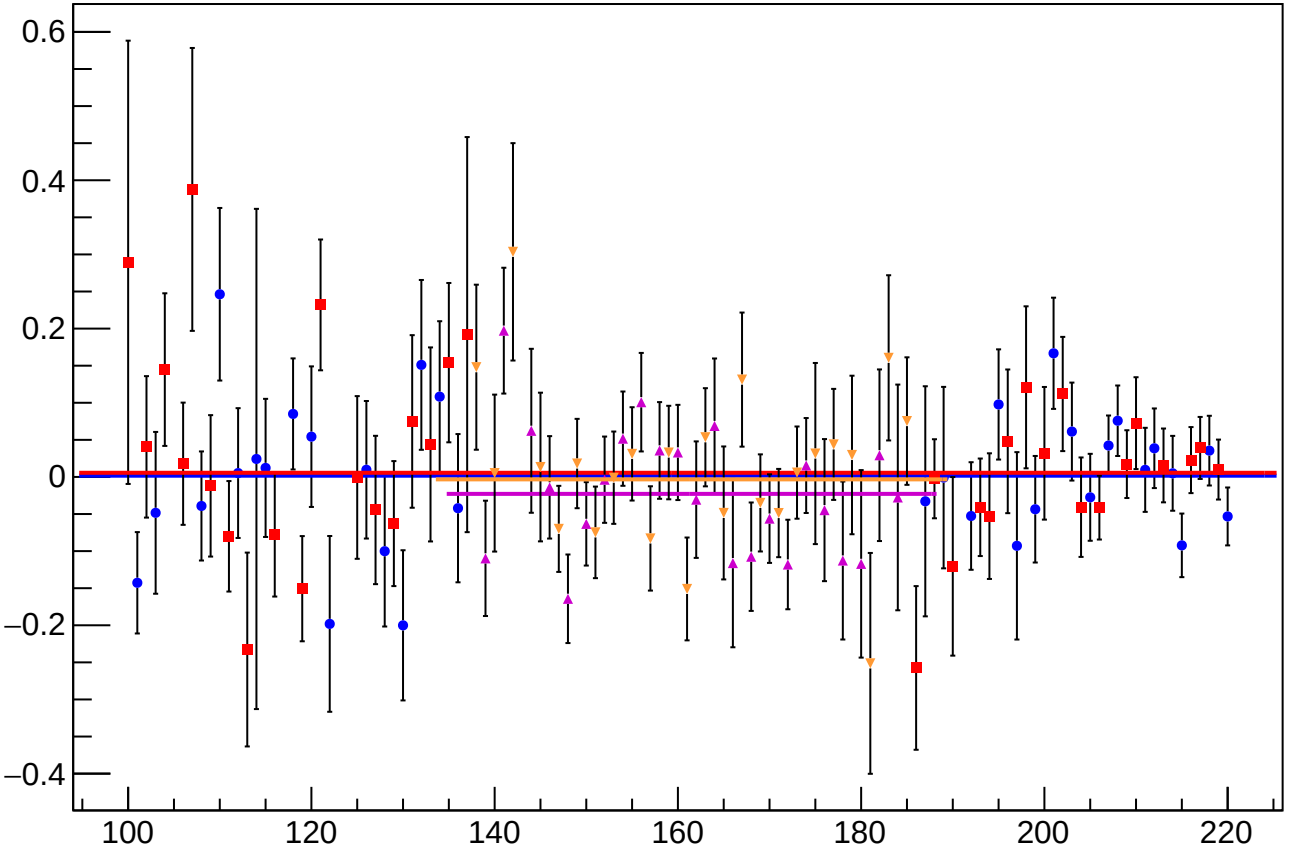
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 51.228+/-0.006 χ^2/NDF: 5806074.4/67

In: 55.382+/-0.007 χ^2/NDF:4954229.3/55

Out: 55.865+/-0.007 χ^2/NDF:5611769.2/58

All: 55.621+/-0.005 χ^2/NDF: 10568561.6/114



Right In: 0.002+/-0.012 χ^2/NDF: 42.2/32

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

Right Out: 0.006+/-0.012 χ^2/NDF: 42.6/34

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

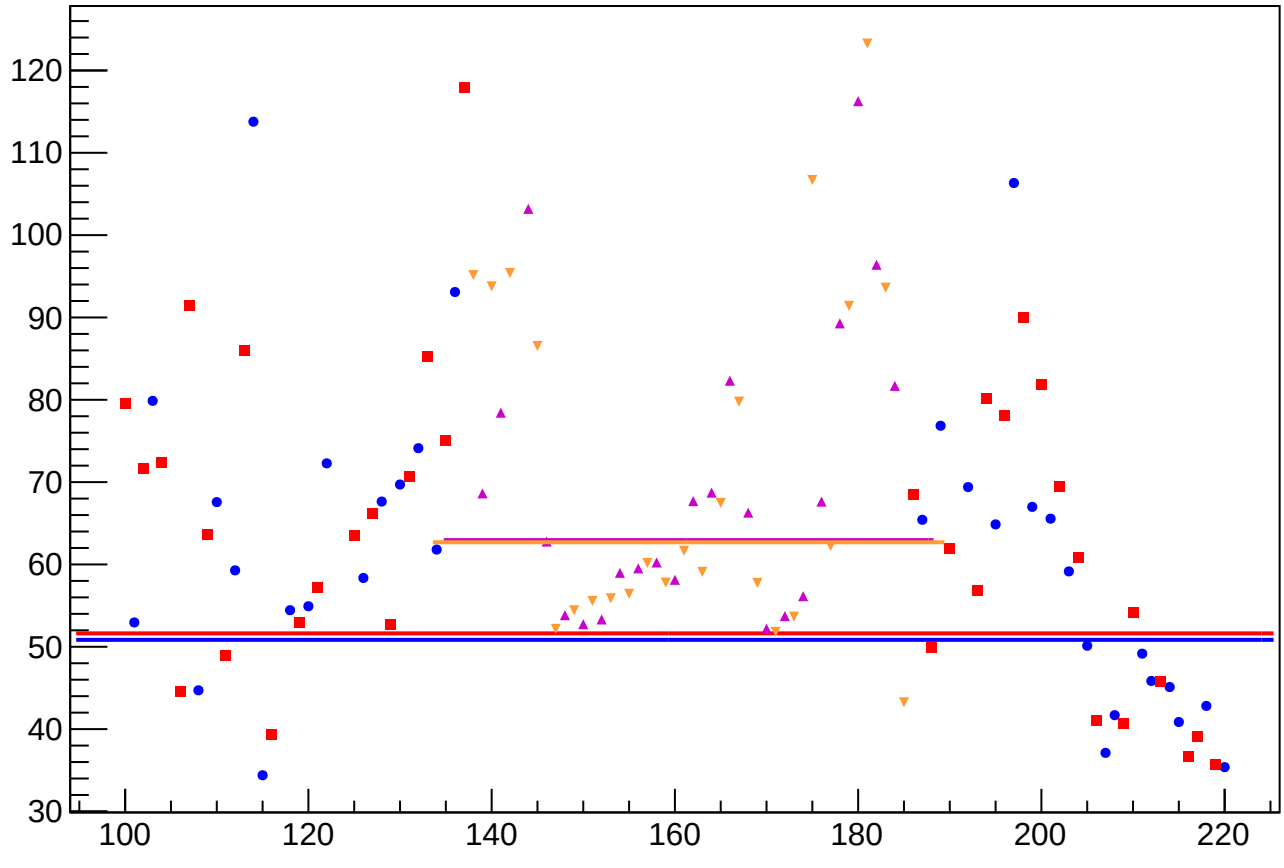
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.004+/-0.009 χ^2/NDF: 84.8/67

In: -0.008+/-0.009 χ^2/NDF:72.7/55

Out: 0.002+/-0.010 χ^2/NDF:68.7/58

All: -0.003+/-0.007 χ^2/NDF: 141.9/114



Right In: 50.841+/-0.008 χ^2/NDF: 2759386.5/32

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

Right Out: 51.629+/-0.009 χ^2/NDF: 3042450.1/34

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

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

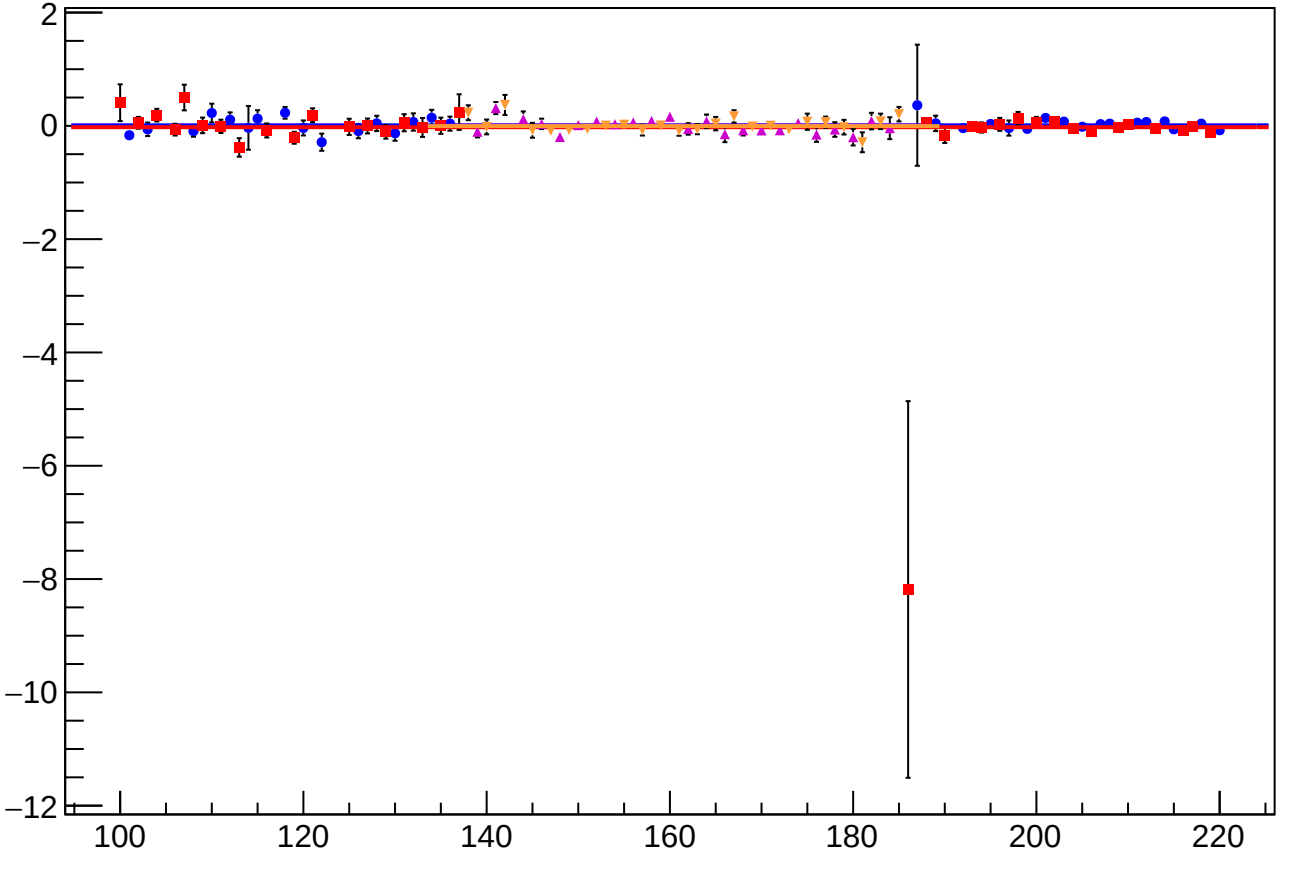
Right: 51.228+/-0.006 χ^2/NDF: 5806074.4/67

In: 55.382+/-0.007 χ^2/NDF:4954229.3/55

Out: 55.865+/-0.007 χ^2/NDF:5611769.2/58

All: 55.621+/-0.005 χ^2/NDF: 10568561.6/114

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.015 χ^2/NDF: 32.3/32

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

Right Out: -0.024+/-0.016 χ^2/NDF: 42.7/34

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

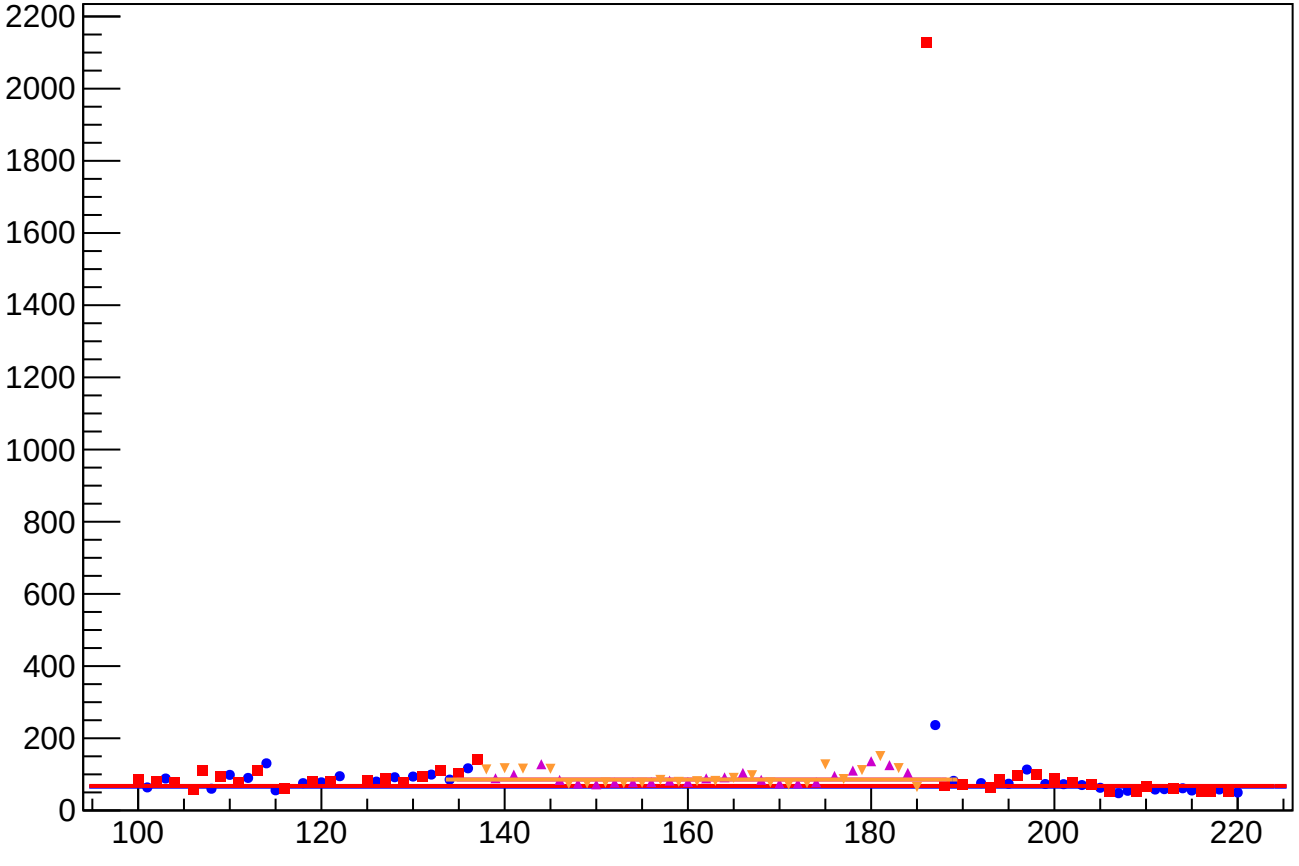
Right: -0.006+/-0.011 χ^2/NDF: 77.4/67

In: 0.007+/-0.012 χ^2/NDF:63.0/55

Out: -0.017+/-0.013 χ^2/NDF:64.6/58

All: -0.005+/-0.009 χ^2/NDF: 129.4/114

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.812+/-0.011 χ^2/NDF: 2137697.6/32

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

Right Out: 67.918+/-0.011 χ^2/NDF: 2855568.6/34

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

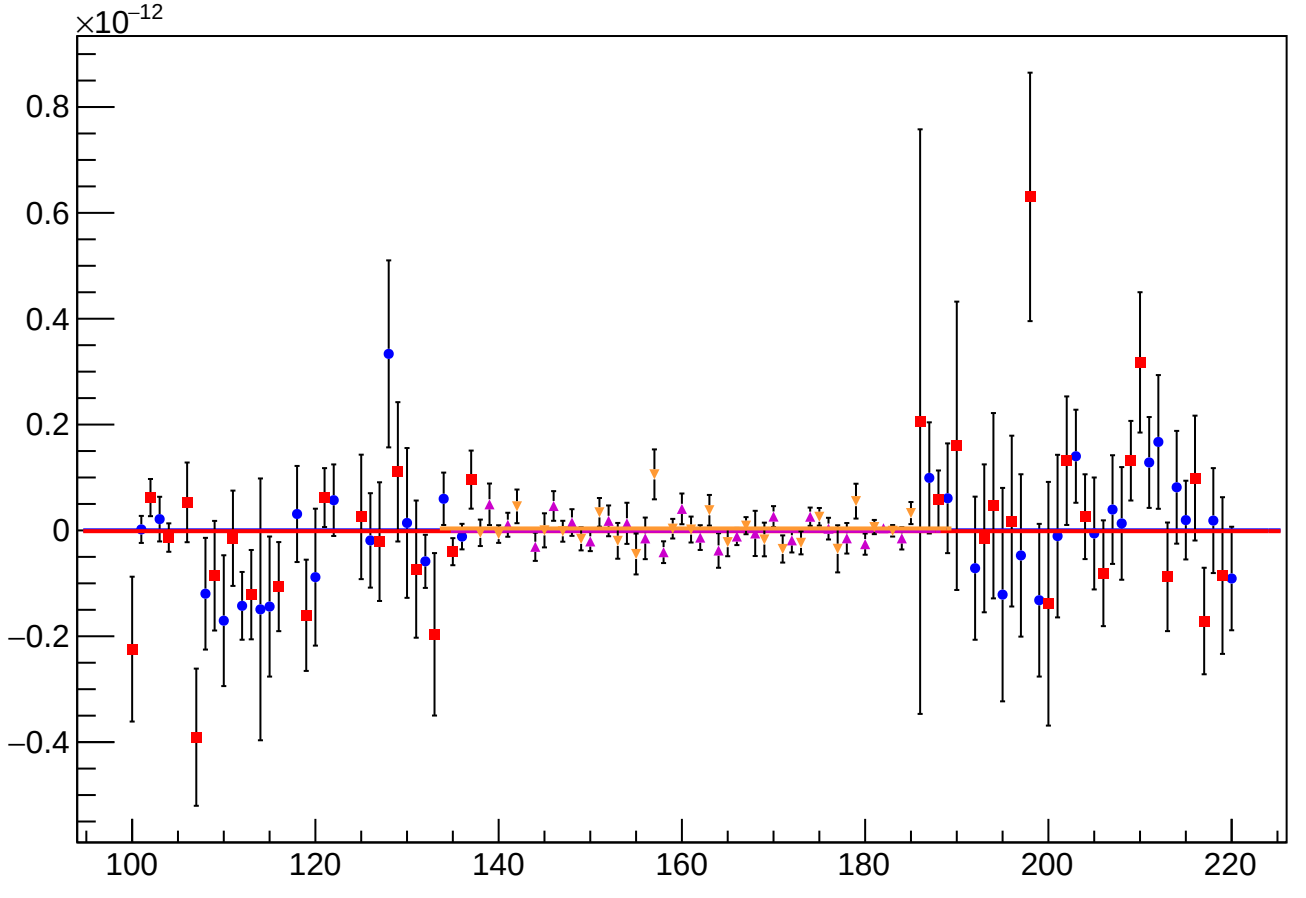
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 66.830+/-0.008 χ^2/NDF: 5011722.2/67

In: 72.804+/-0.009 χ^2/NDF:4329893.2/55

Out: 74.430+/-0.009 χ^2/NDF:5138694.3/58

All: 73.600+/-0.006 χ^2/NDF: 9485769.5/114



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/32

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

Right Out: -0.000+/-0.000 χ^2/NDF: 56.5/34

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

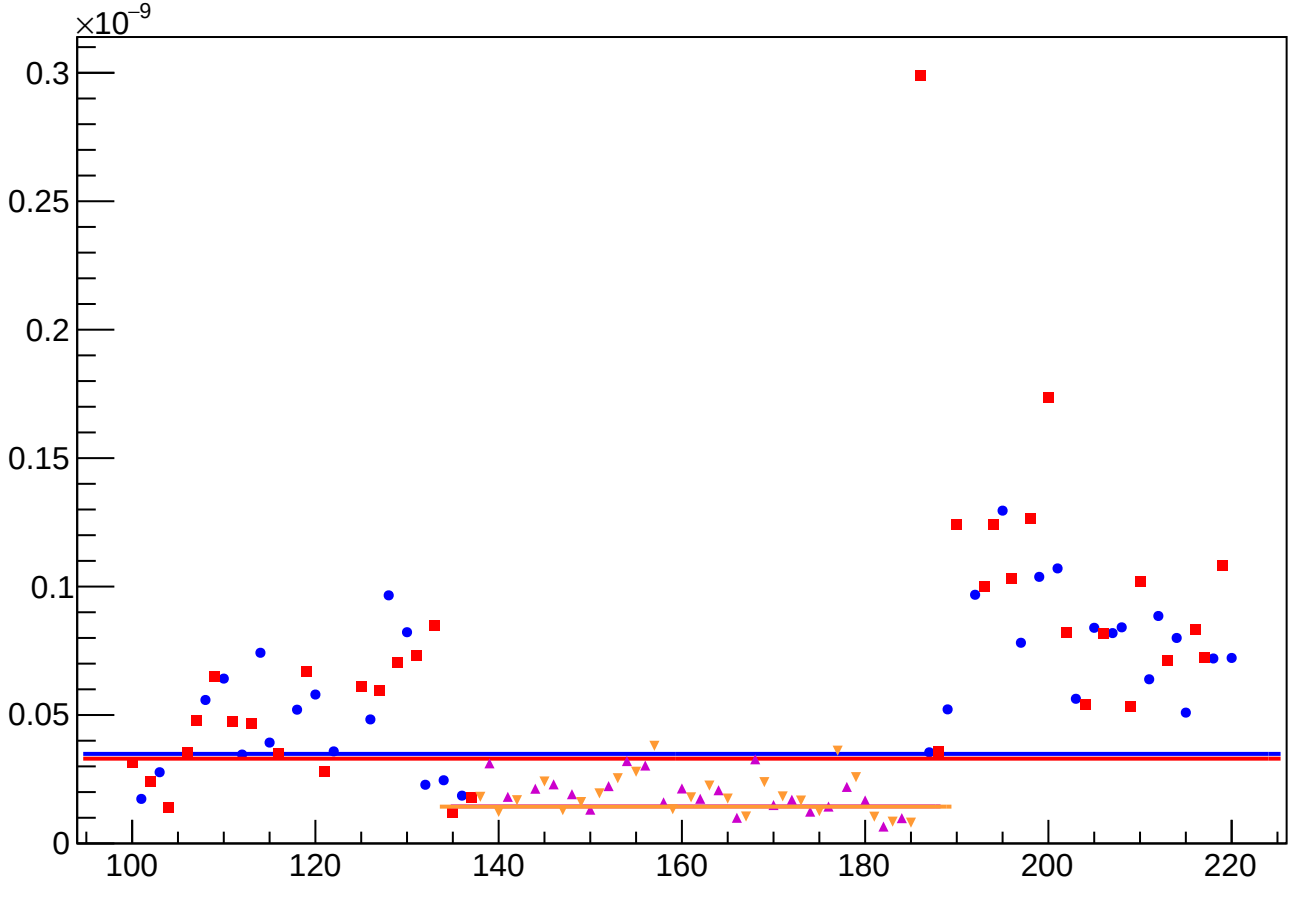
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 85.5/67

In: -0.000+/-0.000 χ^2/NDF:52.6/55

Out: 0.000+/-0.000 χ^2/NDF:81.6/58

All: 0.000+/-0.000 χ^2/NDF: 134.7/114



Right In: 0.000+/-0.000 χ^2/NDF: 7988312.4/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 10213085.1/34

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

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

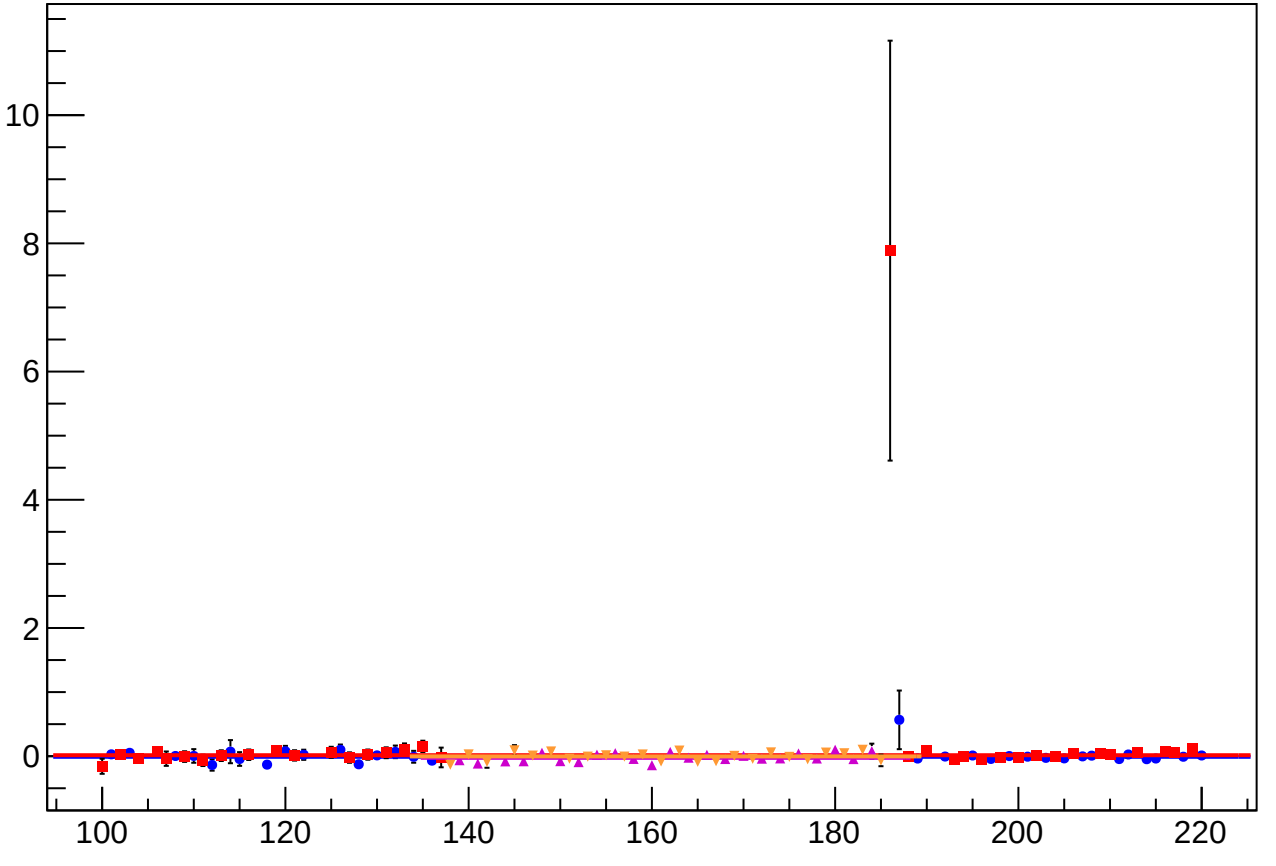
Right: 0.000+/-0.000 χ^2/NDF: 18225596.4/67

In: 0.000+/-0.000 χ^2/NDF:17499849.7/55

Out: 0.000+/-0.000 χ^2/NDF:18103613.6/58

All: 0.000+/-0.000 χ^2/NDF: 35613516.6/114

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.007 χ^2/NDF: 25.6/32

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

Right Out: 0.015+/-0.007 χ^2/NDF: 49.6/34

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

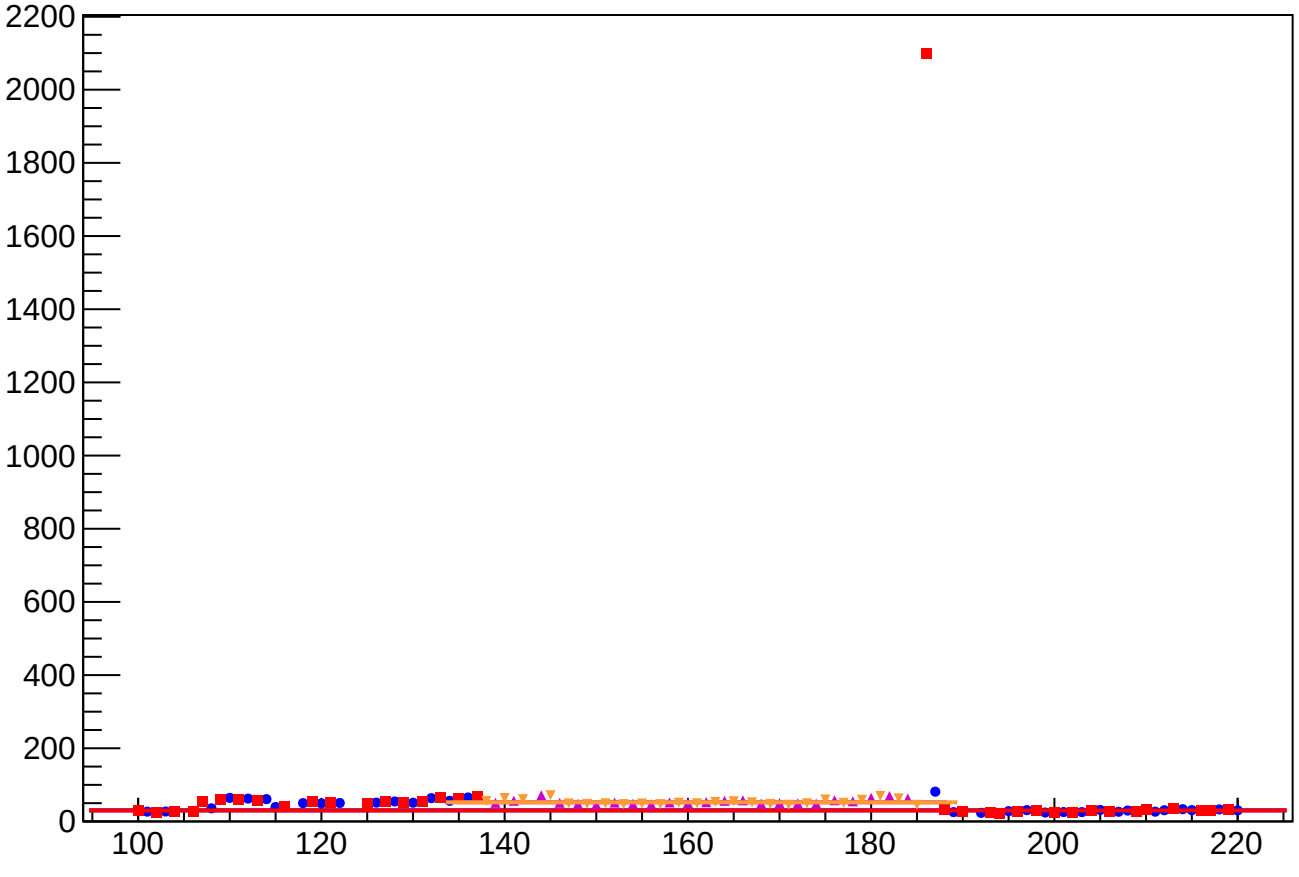
Right: 0.003+/-0.005 χ^2/NDF: 81.1/67

In: -0.013+/-0.006 χ^2/NDF:51.1/55

Out: 0.011+/-0.006 χ^2/NDF:74.4/58

All: -0.001+/-0.004 χ^2/NDF: 133.0/114

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.471+/-0.005 χ^2/NDF: 2891321.9/32

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

Right Out: 30.004+/-0.005 χ^2/NDF: 3884629.8/34

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

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

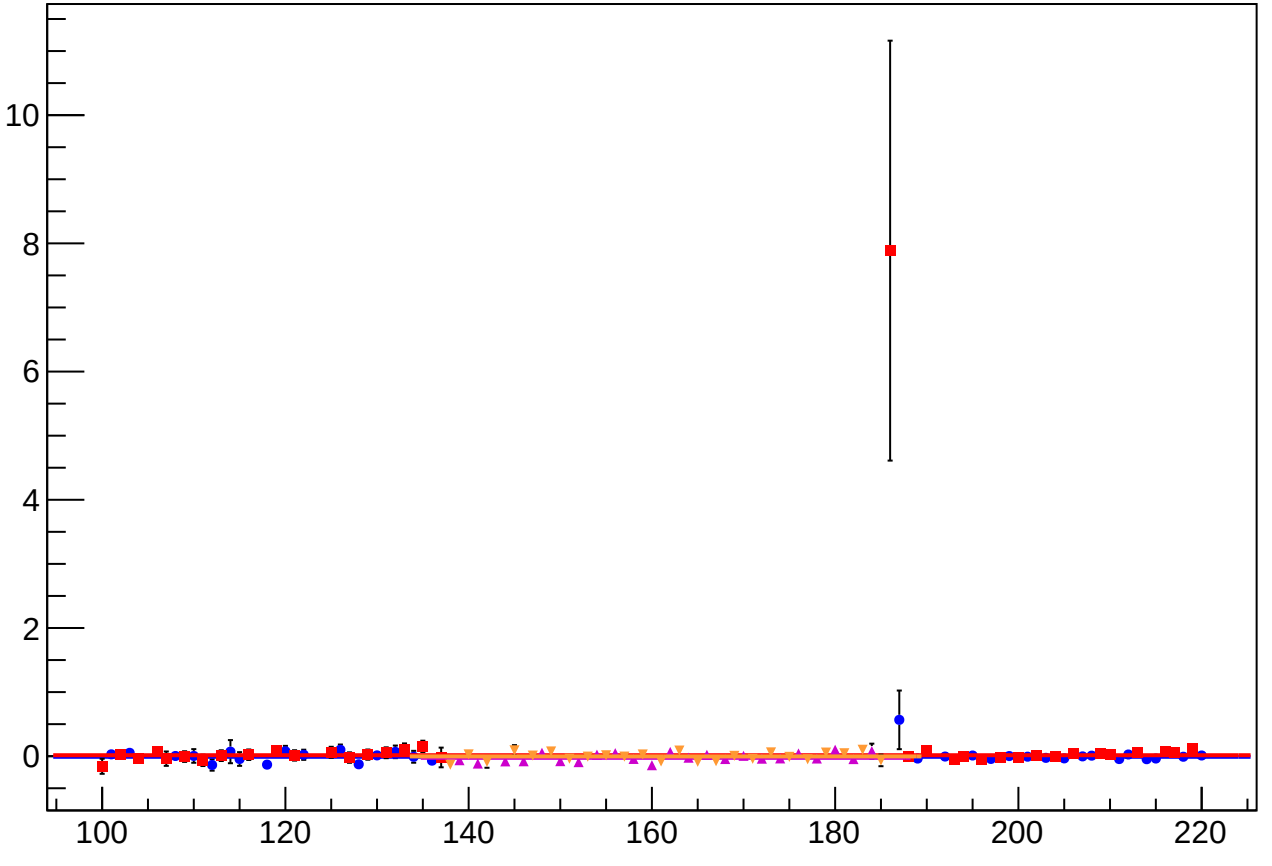
Right: 30.237+/-0.004 χ^2/NDF: 6780267.7/67

In: 35.860+/-0.004 χ^2/NDF:8011577.7/55

Out: 35.500+/-0.004 χ^2/NDF:9295688.4/58

All: 35.679+/-0.003 χ^2/NDF: 17310672.1/114

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.007 χ^2/NDF: 25.6/32

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

Right Out: 0.015+/-0.007 χ^2/NDF: 49.6/34

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

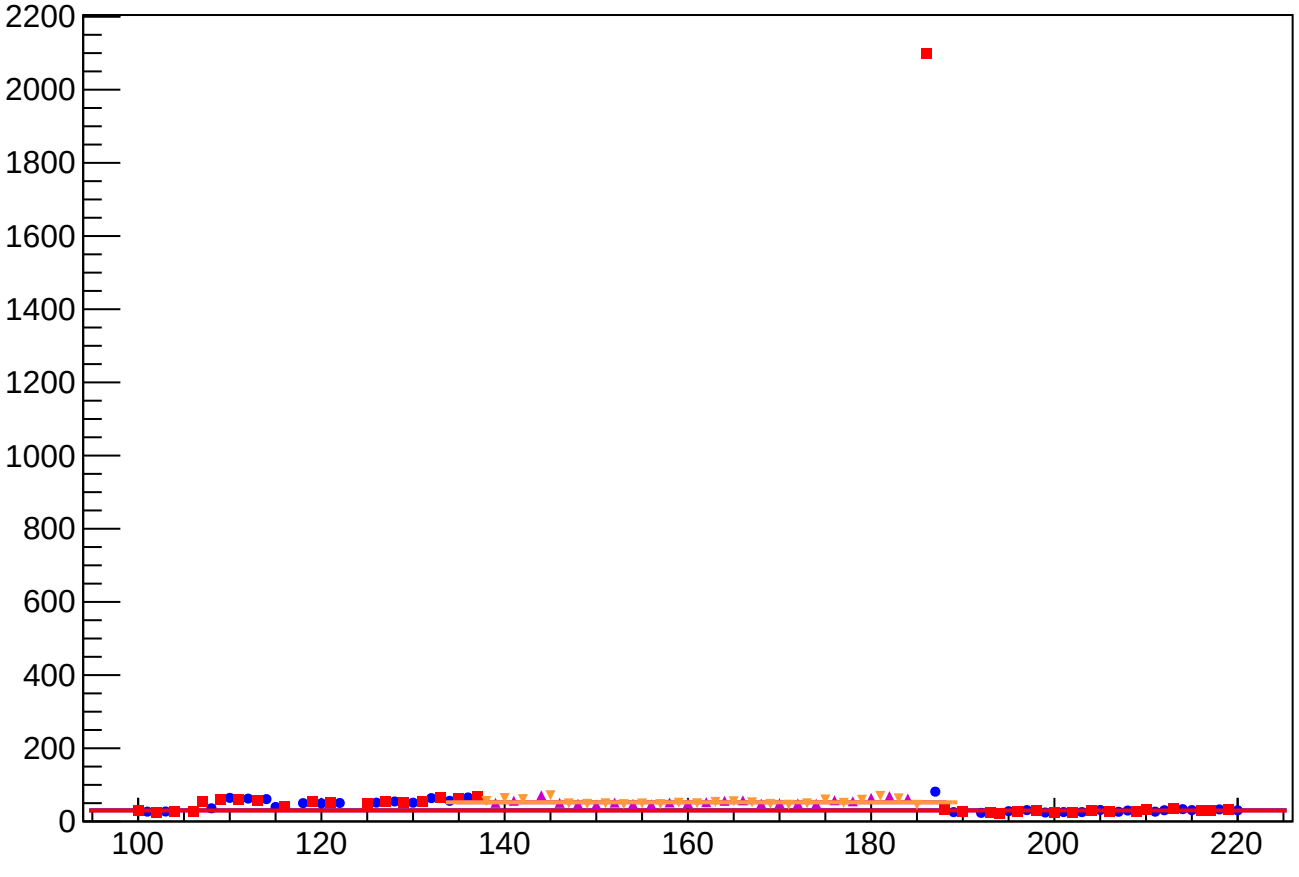
Right: 0.003+/-0.005 χ^2/NDF: 81.1/67

In: -0.013+/-0.006 χ^2/NDF:51.1/55

Out: 0.011+/-0.006 χ^2/NDF:74.4/58

All: -0.001+/-0.004 χ^2/NDF: 133.0/114

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.471+/-0.005 χ^2/NDF: 2891321.9/32

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

Right Out: 30.004+/-0.005 χ^2/NDF: 3884629.8/34

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

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

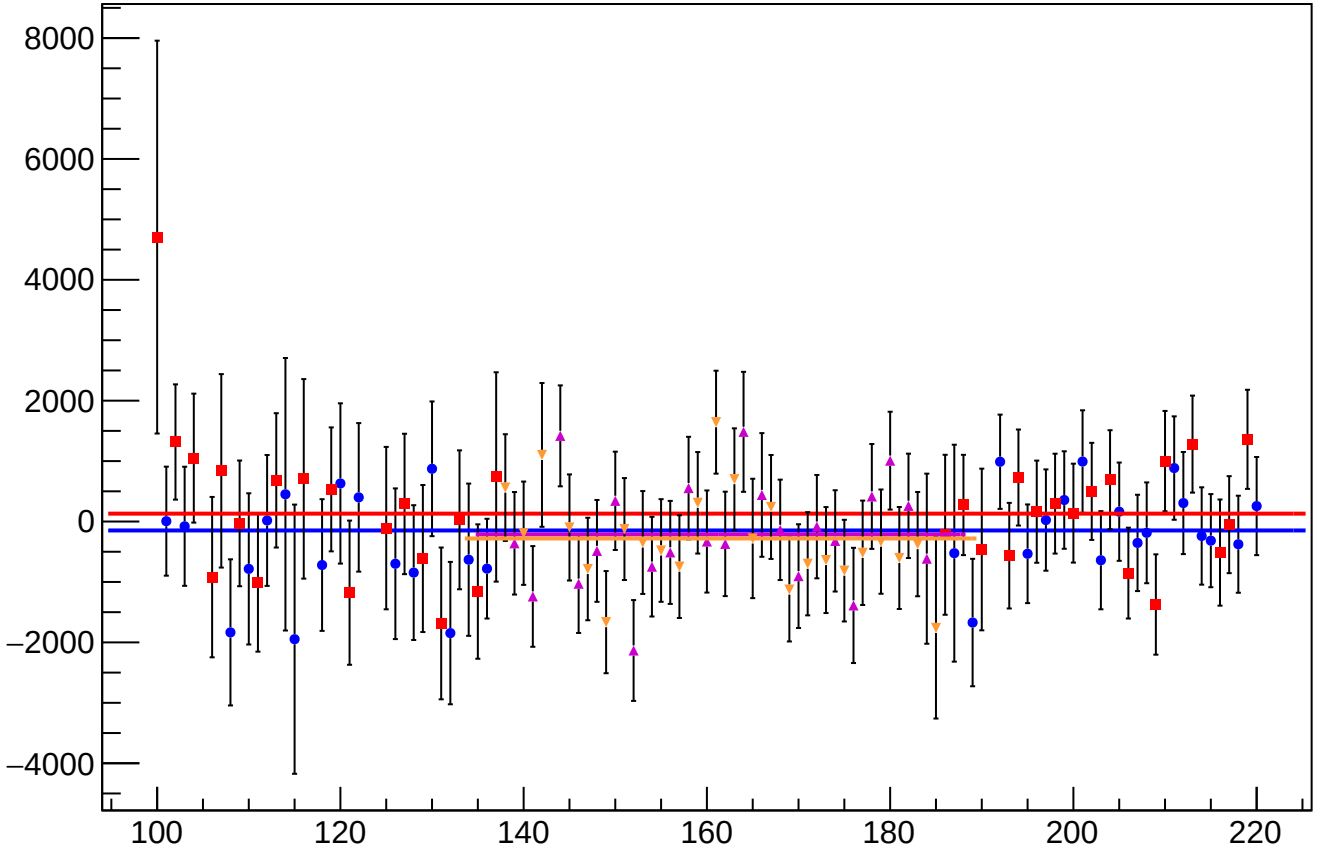
Right: 30.237+/-0.004 χ^2/NDF: 6780267.7/67

In: 35.860+/-0.004 χ^2/NDF:8011577.7/55

Out: 35.500+/-0.004 χ^2/NDF:9295688.4/58

All: 35.679+/-0.003 χ^2/NDF: 17310672.1/114

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -147.834+/-167.180 χ^2/NDF: 17.5/32

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

Right Out: 130.475+/-167.878 χ^2/NDF: 25.0/34

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

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

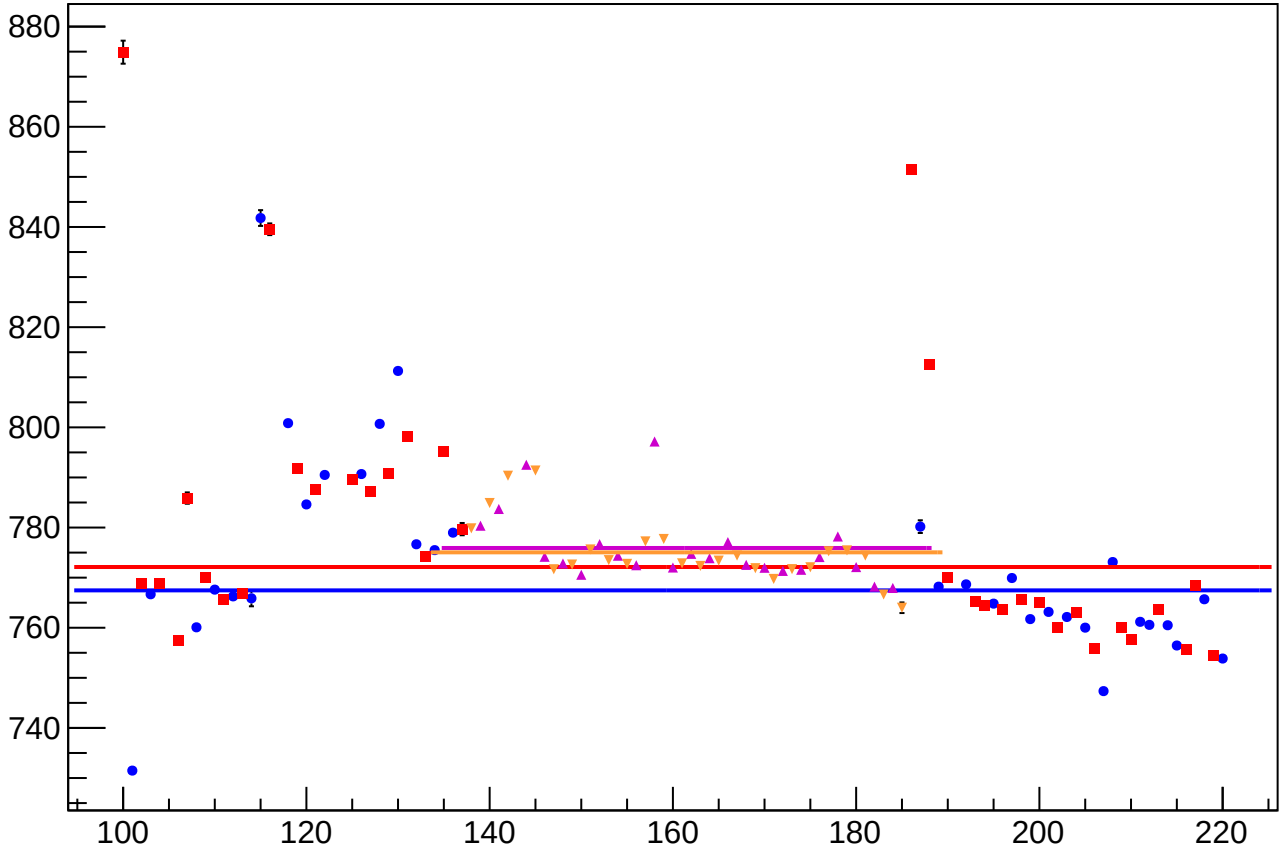
Right: -9.259+/-118.460 χ^2/NDF: 43.9/67

In: -178.000+/-122.862 χ^2/NDF:39.9/55

Out: -60.782+/-122.732 χ^2/NDF:43.9/58

All: -119.329+/-86.830 χ^2/NDF: 84.2/114

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 767.459+/-0.118 χ^2/NDF: 17839.3/32

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

Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

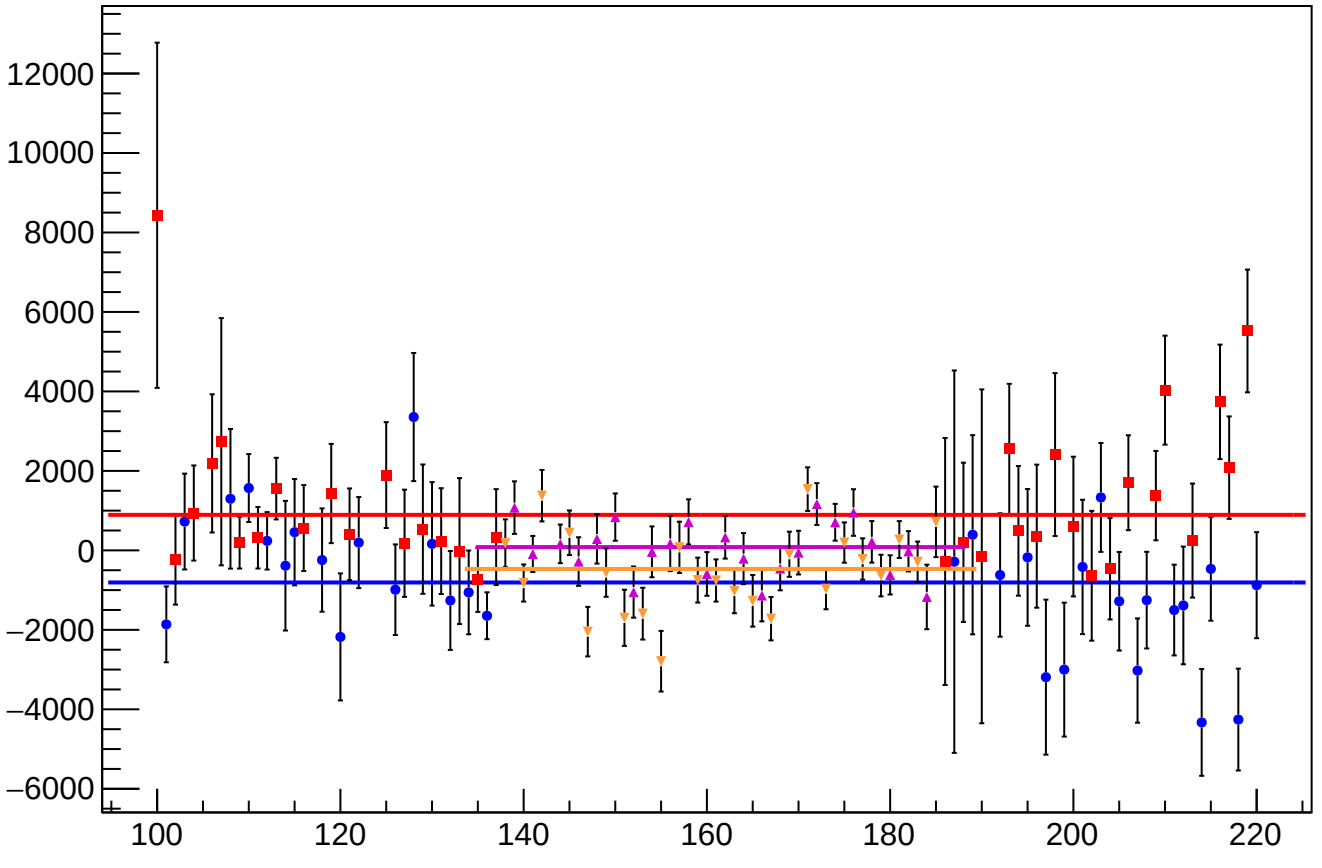
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.782+/-0.084 χ^2/NDF: 45799.8/67

In: 771.351+/-0.087 χ^2/NDF:23169.3/55

Out: 773.486+/-0.087 χ^2/NDF:29419.4/58

All: 772.420+/-0.061 χ^2/NDF: 52890.8/114



Right In: -807.914+/-213.416 χ^2/NDF: 50.0/32

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

Right Out: 893.869+/-215.676 χ^2/NDF: 37.4/34

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

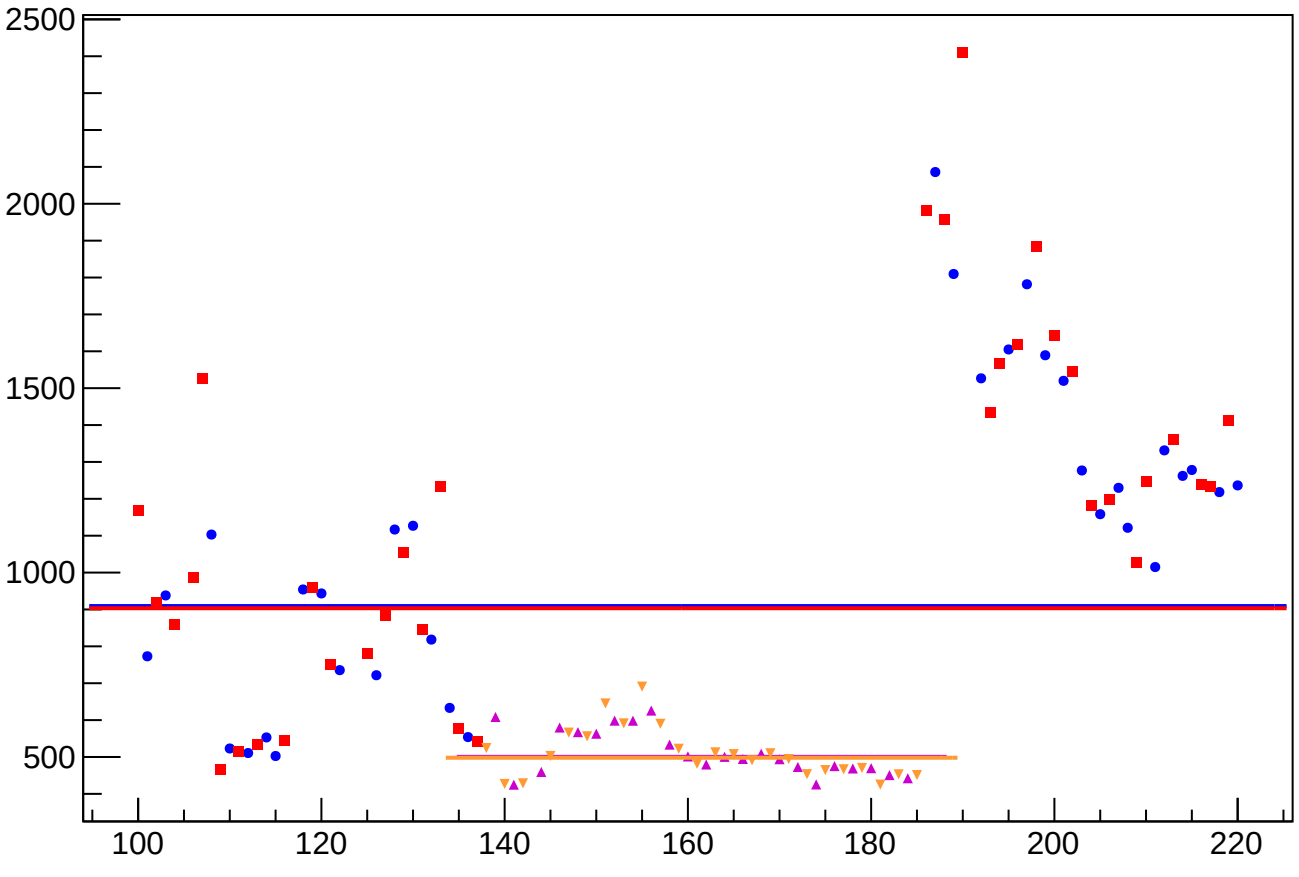
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 34.015+/-151.701 χ^2/NDF: 118.8/67

In: -124.954+/-103.137 χ^2/NDF:91.4/55

Out: -158.868+/-102.647 χ^2/NDF:132.6/58

All: -141.992+/-72.755 χ^2/NDF: 224.1/114



Right In: 909.198+/-0.151 χ^2/NDF: 5539046.1/32

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

Right Out: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

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

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

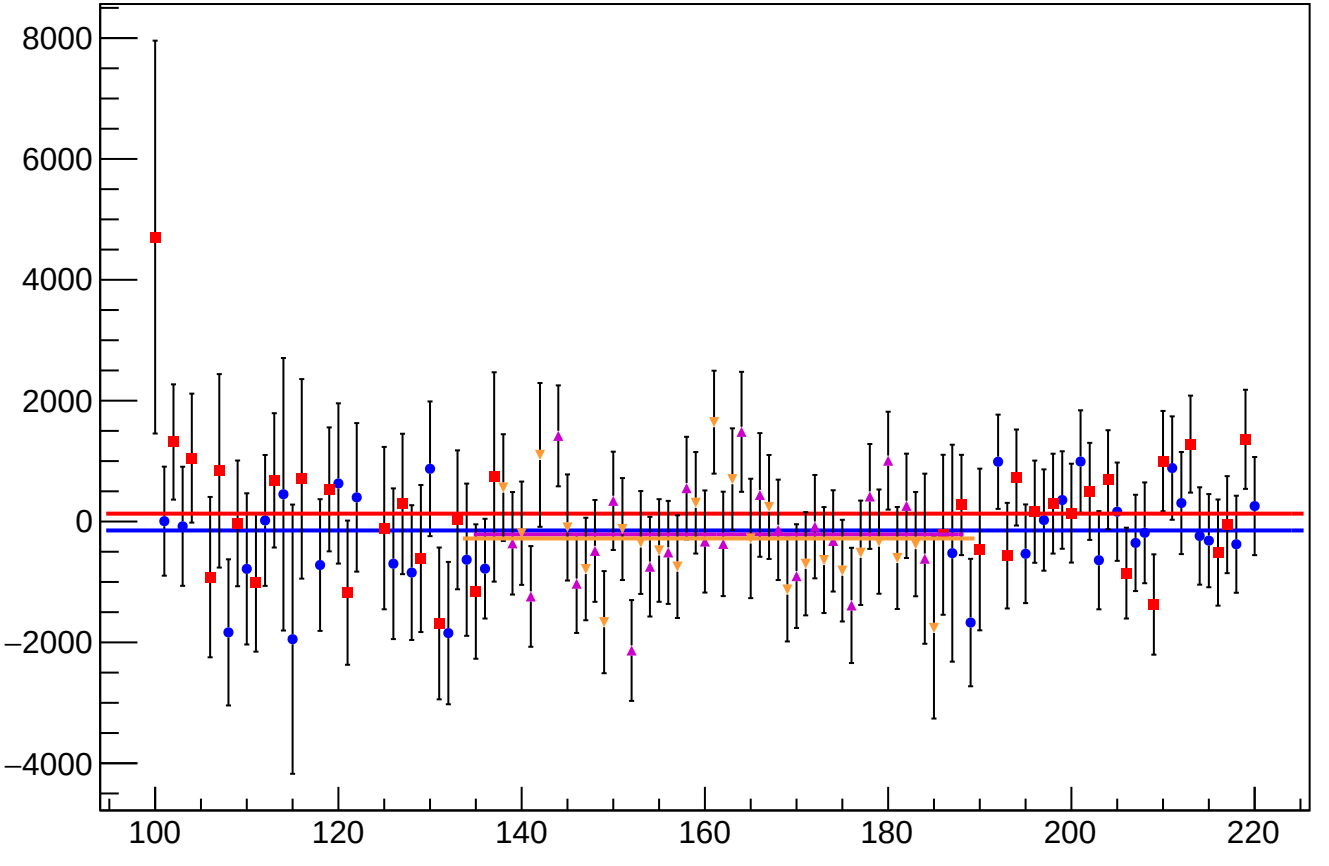
Right: 906.296+/-0.107 χ^2/NDF: 12414423.6/67

In: 595.803+/-0.073 χ^2/NDF:11643401.0/55

Out: 589.785+/-0.073 χ^2/NDF:12866448.5/58

All: 592.779+/-0.051 χ^2/NDF: 24513270.3/11

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -147.834+/-167.180 χ^2/NDF: 17.5/32

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

Right Out: 130.475+/-167.878 χ^2/NDF: 25.0/34

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

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

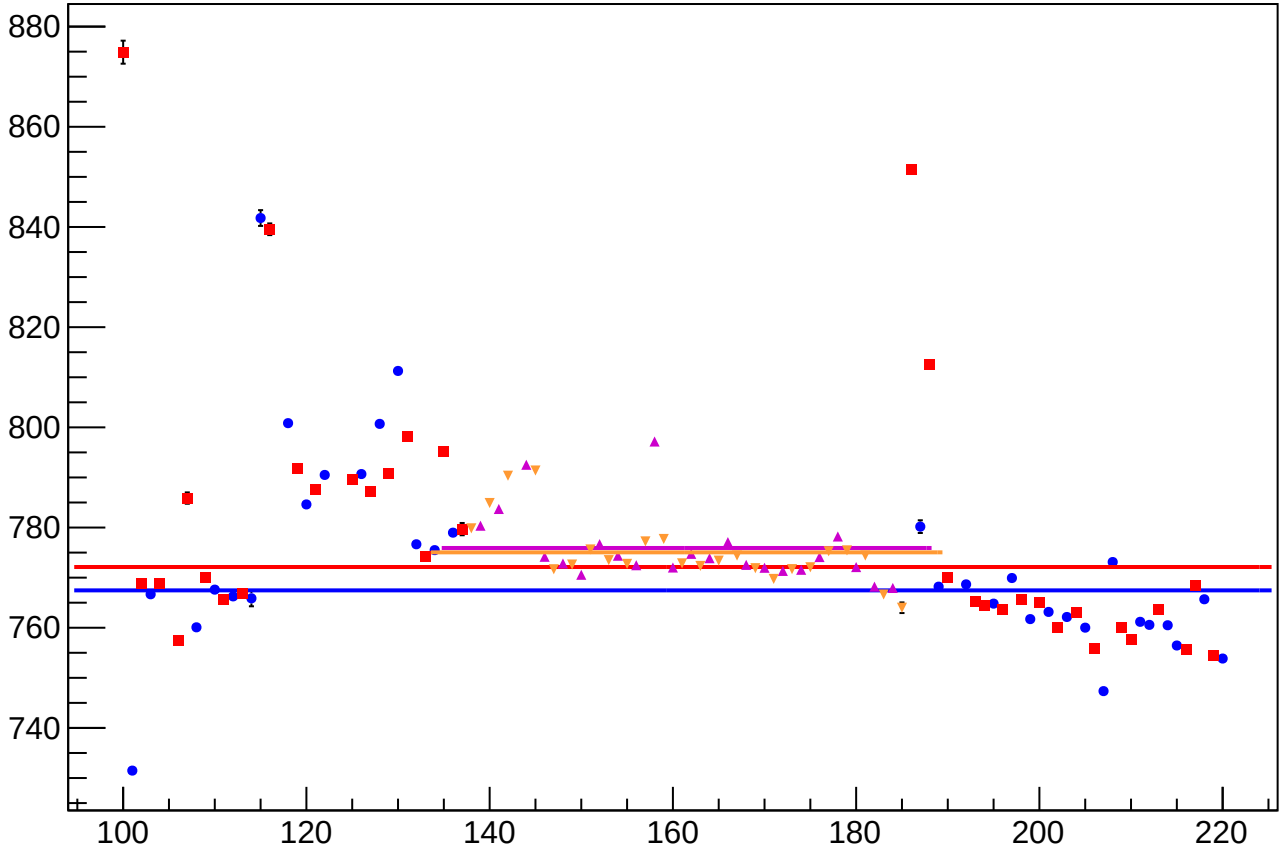
Right: -9.259+/-118.460 χ^2/NDF: 43.9/67

In: -178.000+/-122.862 χ^2/NDF:39.9/55

Out: -60.782+/-122.732 χ^2/NDF:43.9/58

All: -119.329+/-86.830 χ^2/NDF: 84.2/114

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 767.459+/-0.118 χ^2/NDF: 17839.3/32

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

Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

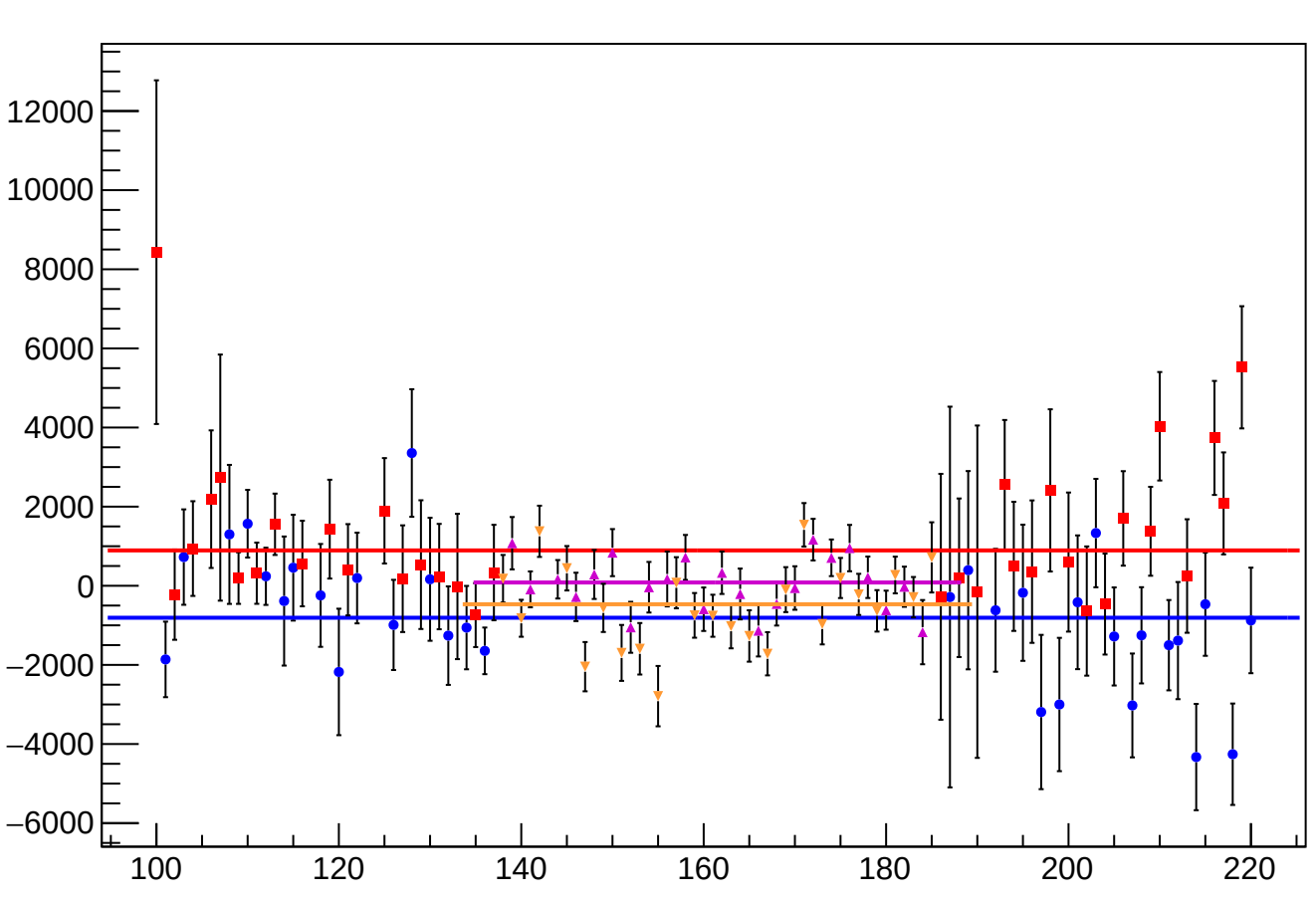
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 769.782+/-0.084 χ^2/NDF: 45799.8/67

In: 771.351+/-0.087 χ^2/NDF:23169.3/55

Out: 773.486+/-0.087 χ^2/NDF:29419.4/58

All: 772.420+/-0.061 χ^2/NDF: 52890.8/114



Right In: -807.914+/-213.416 χ^2/NDF: 50.0/32

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

Right Out: 893.869+/-215.676 χ^2/NDF: 37.4/34

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

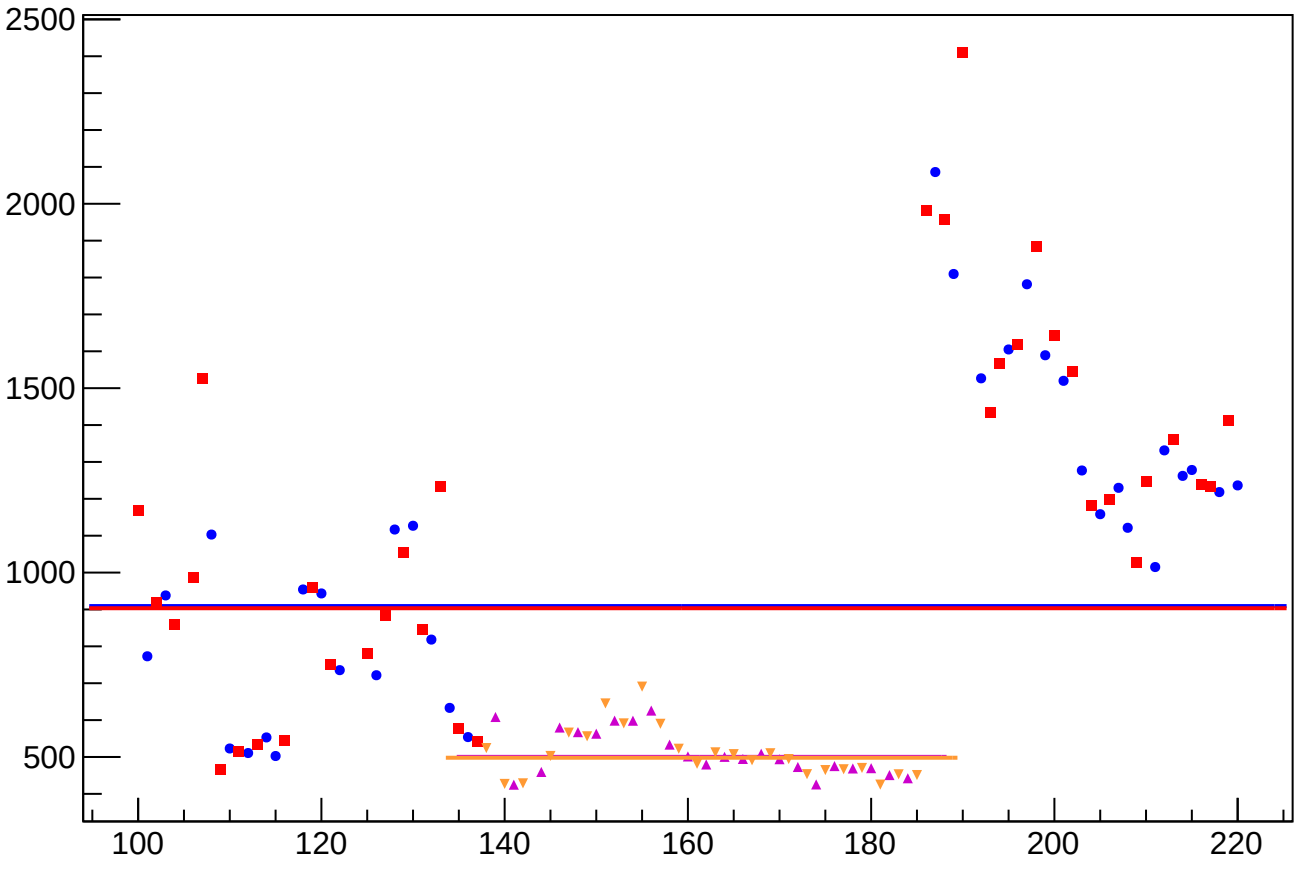
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 34.015+/-151.701 χ^2/NDF: 118.8/67

In: -124.954+/-103.137 χ^2/NDF:91.4/55

Out: -158.868+/-102.647 χ^2/NDF:132.6/58

All: -141.992+/-72.755 χ^2/NDF: 224.1/114



Right In: 909.198+/-0.151 χ^2/NDF: 5539046.1/32

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

Right Out: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

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

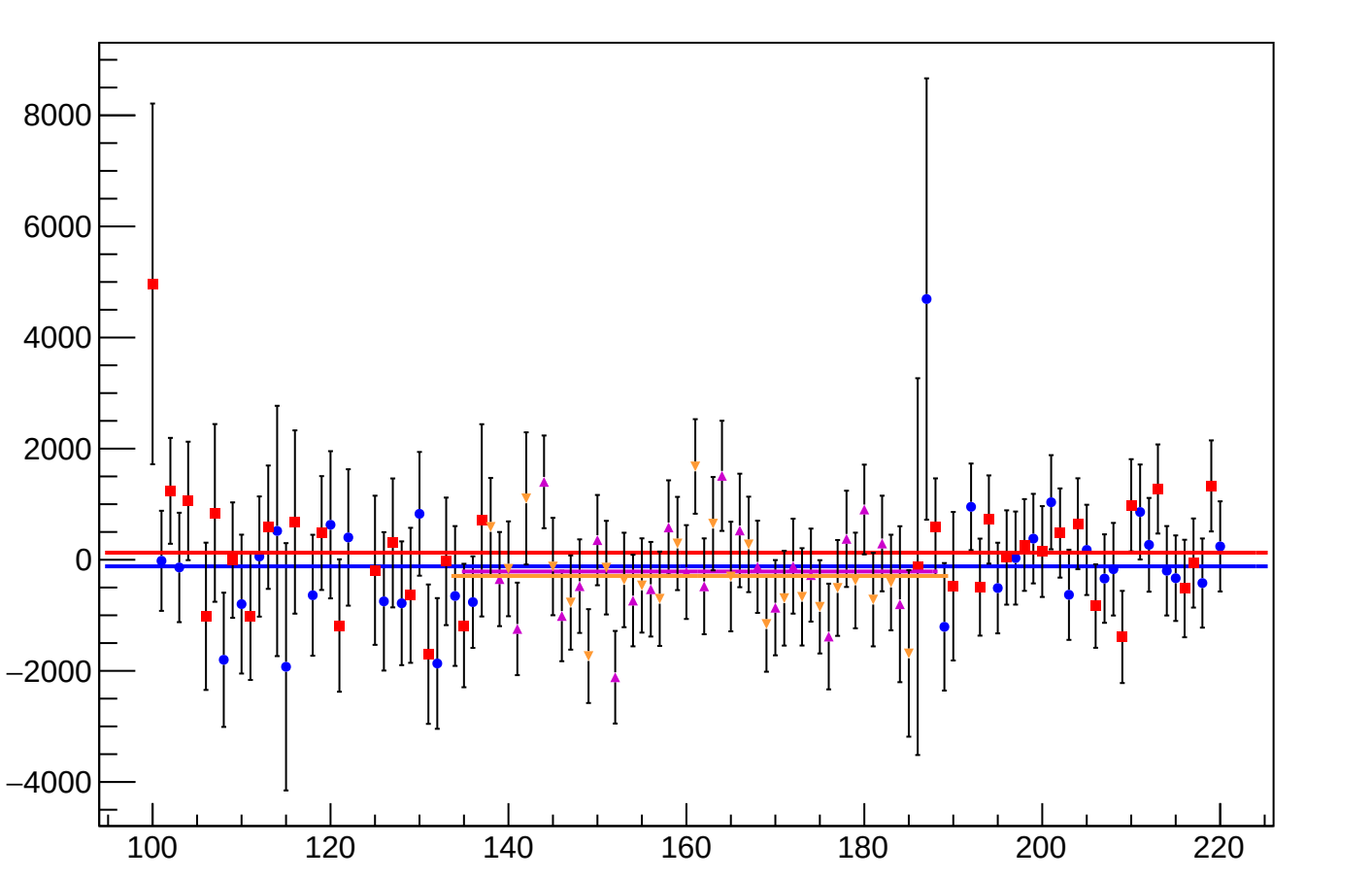
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 906.296+/-0.107 χ^2/NDF: 12414423.6/67

In: 595.803+/-0.073 χ^2/NDF:11643401.0/55

Out: 589.785+/-0.073 χ^2/NDF:12866448.5/58

All: 592.779+/-0.051 χ^2/NDF: 24513270.3/11



Right In: -118.729+/-167.951 χ^2/NDF: 17.4/32

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

Right Out: 127.431+/-169.279 χ^2/NDF: 25.1/34

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

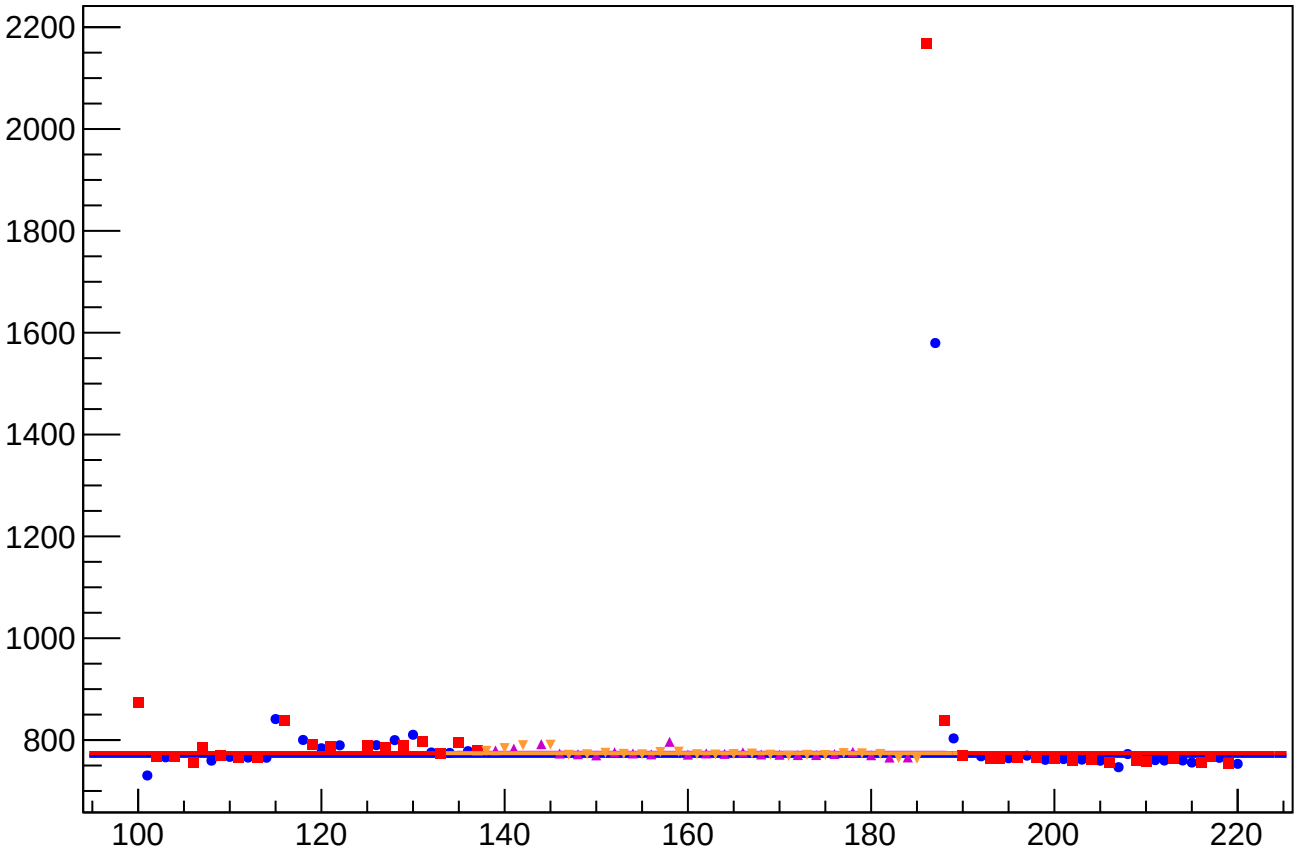
Left: -251.924+/-127.496 χ^2/NDF: 38.8/46

Right: 3.382+/-119.226 χ^2/NDF: 43.5/67

In: -161.542+/-123.099 χ^2/NDF:39.6/55

Out: -69.822+/-123.208 χ^2/NDF:44.6/58

All: -115.723+/-87.083 χ^2/NDF: 84.5/114



Right In: 768.911+/-0.119 χ^2/NDF: 103198.7/32

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

Right Out: 774.565+/-0.120 χ^2/NDF: 364898.6/34

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

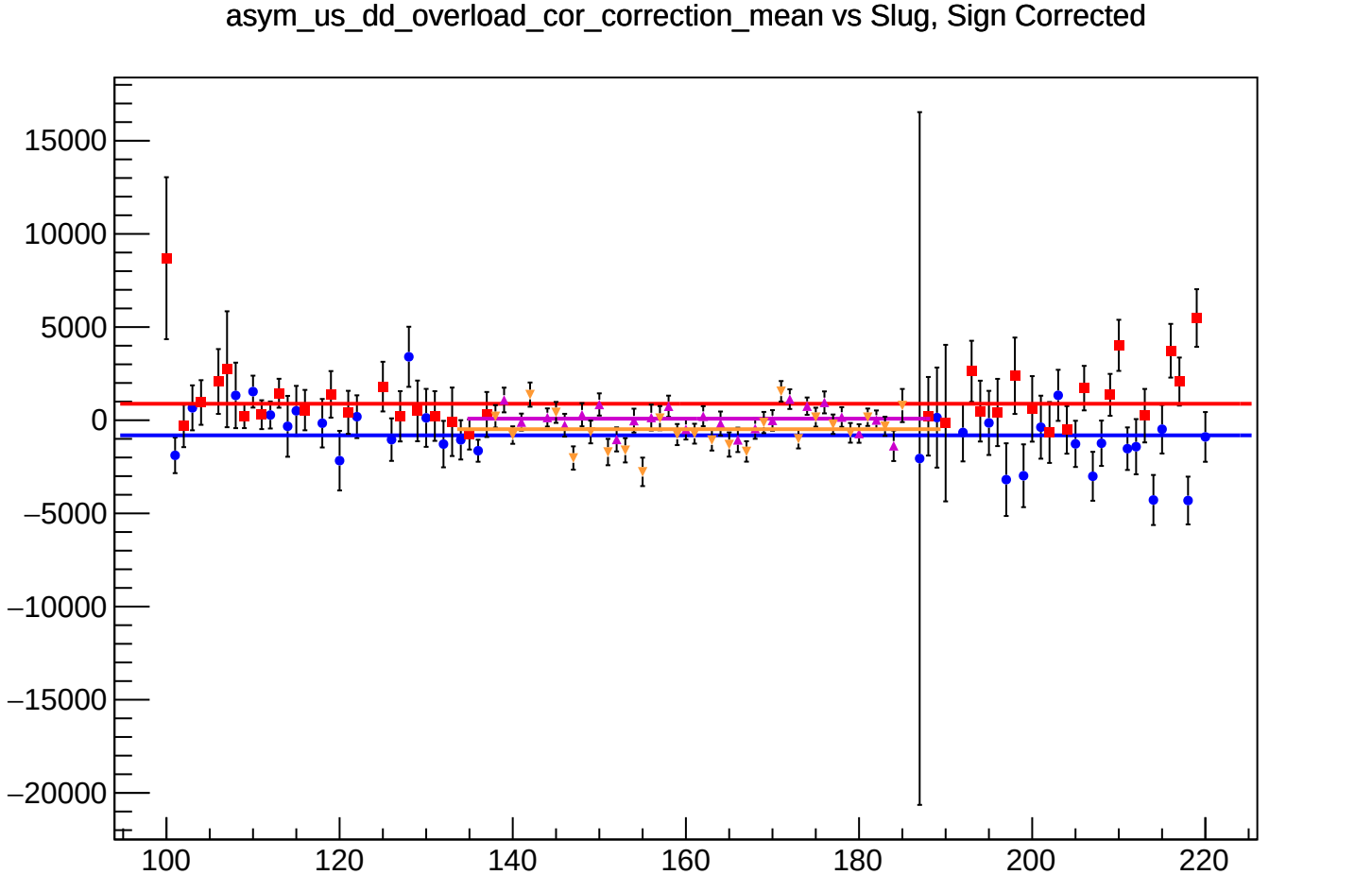
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

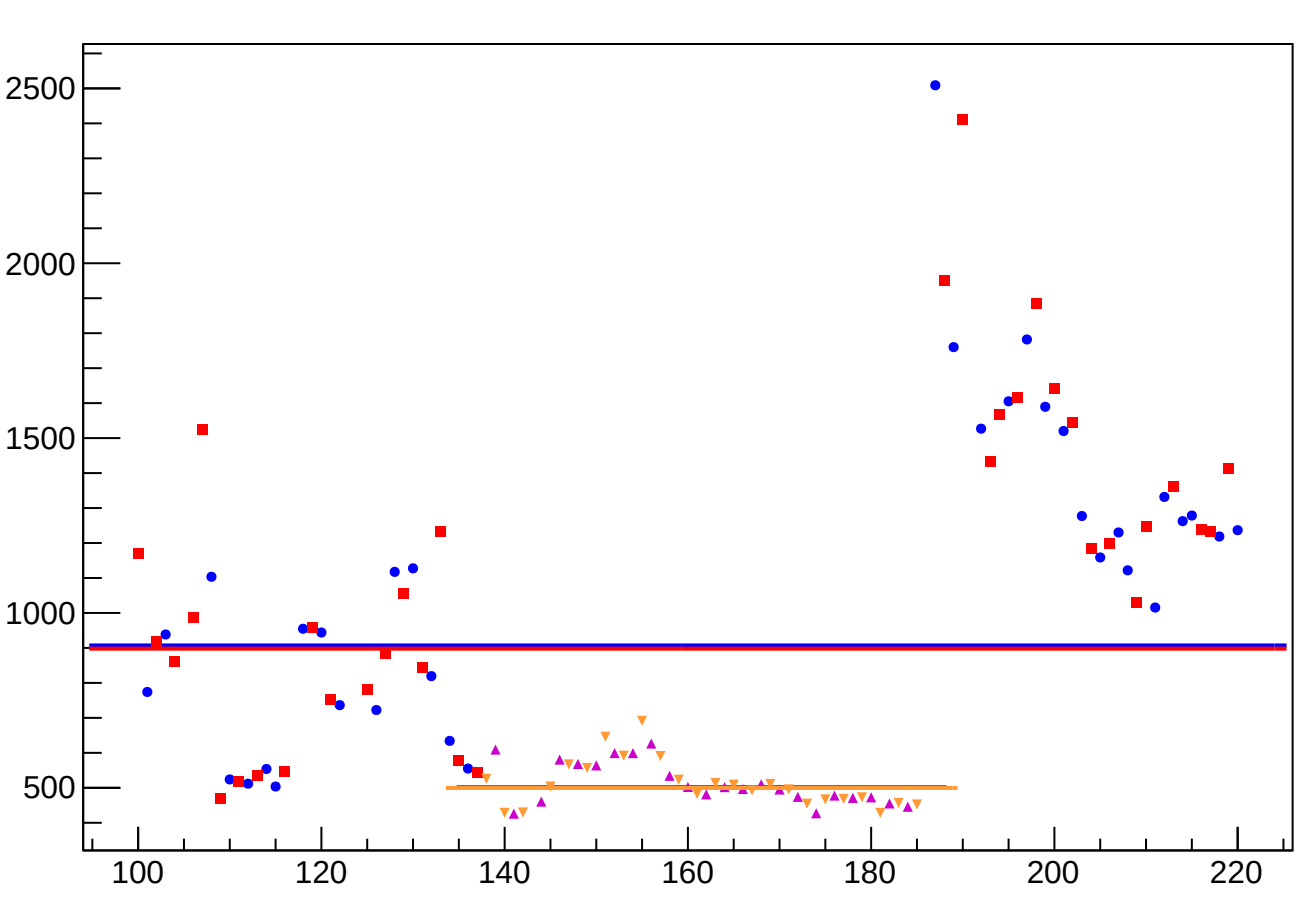
Right: 771.716+/-0.084 χ^2/NDF: 469221.9/67

In: 771.724+/-0.087 χ^2/NDF:107559.4/55

Out: 774.366+/-0.087 χ^2/NDF:366964.9/58

All: 773.044+/-0.062 χ^2/NDF: 474984.6/114


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -810.199+/-213.934 χ²/NDF: 49.9/32
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 883.898+/-216.566 χ²/NDF: 37.2/33
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 26.494+/-152.196 χ²/NDF: 118.1/66
In: -125.727+/-103.455 χ²/NDF:91.5/55
Out: -172.499+/-103.000 χ²/NDF:131.4/57
All: -149.216+/-72.993 χ²/NDF: 223.1/113



Right In: 907.108+/-0.151 χ^2/NDF: 5357849.9/32

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

Right Out: 898.016+/-0.153 χ^2/NDF: 6545099.5/33

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

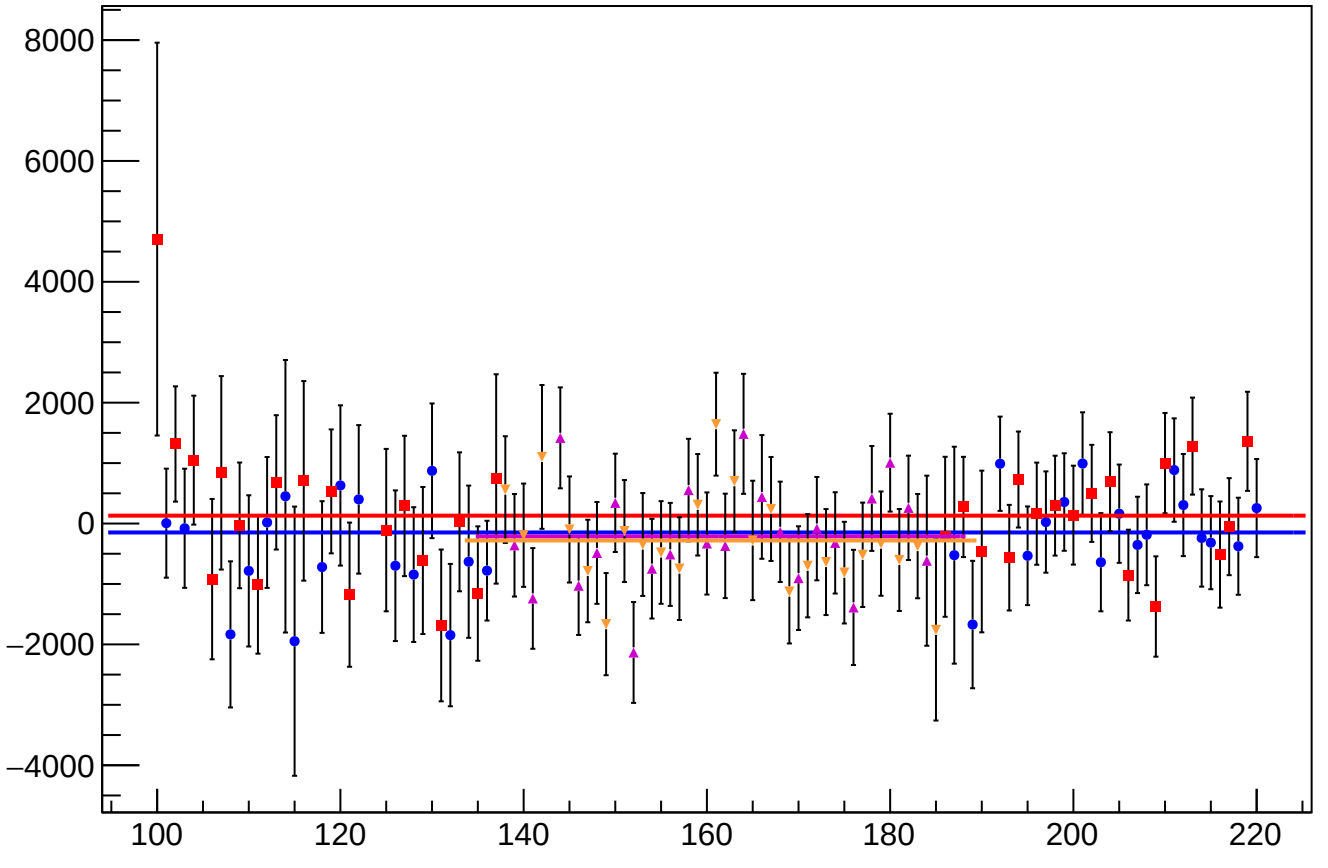
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 902.618+/-0.108 χ^2/NDF: 11904733.7/66

In: 596.756+/-0.073 χ^2/NDF:11319032.3/55

Out: 589.777+/-0.073 χ^2/NDF:12297392.0/57

All: 593.251+/-0.052 χ^2/NDF: 23620994.8/11



Right In: -147.834+/-167.180 χ^2/NDF: 17.5/32

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

Right Out: 130.475+/-167.878 χ^2/NDF: 25.0/34

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

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

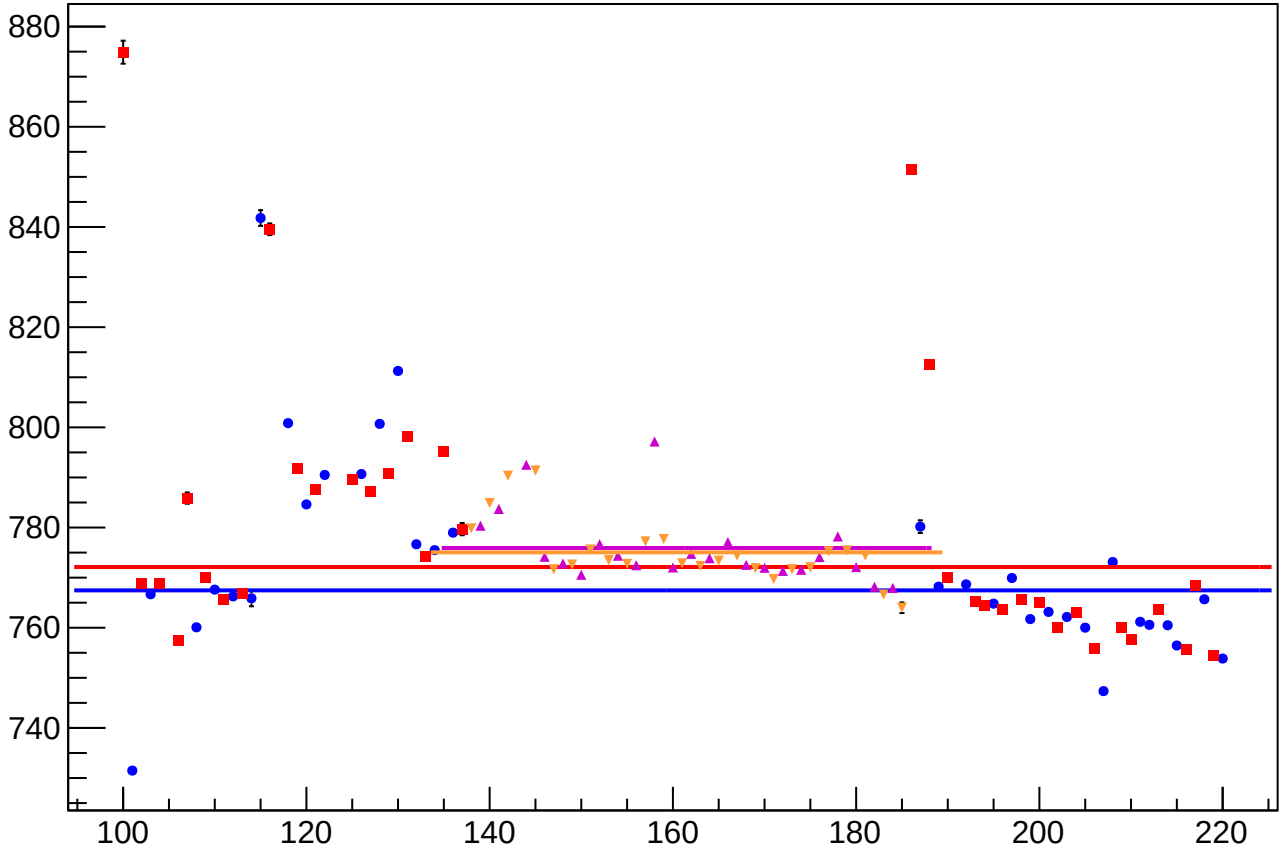
Right: -9.259+/-118.460 χ^2/NDF: 43.9/67

In: -178.000+/-122.862 χ^2/NDF:39.9/55

Out: -60.782+/-122.732 χ^2/NDF:43.9/58

All: -119.329+/-86.830 χ^2/NDF: 84.2/114

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 767.459+/-0.118 χ^2/NDF: 17839.3/32

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

Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

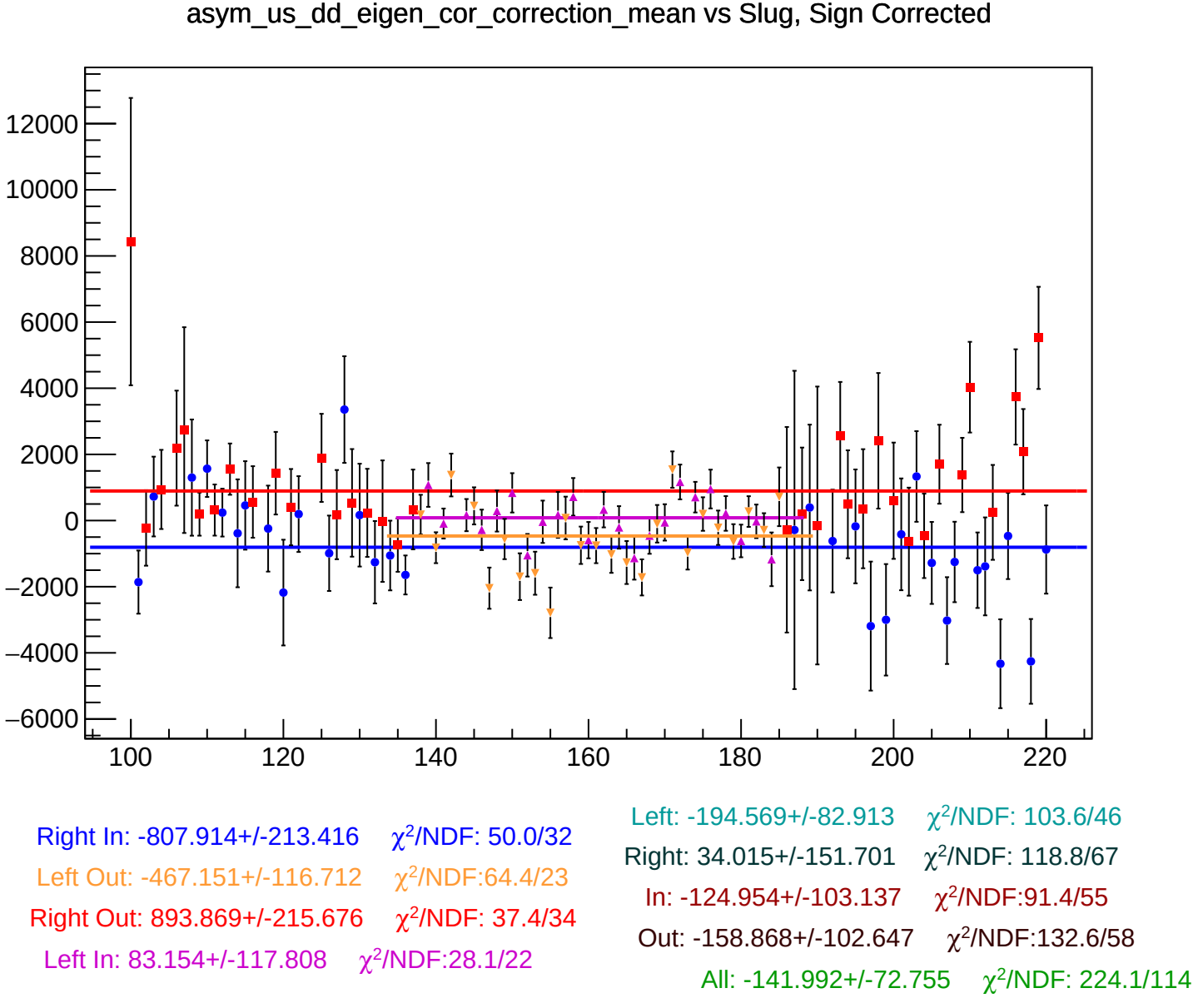
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

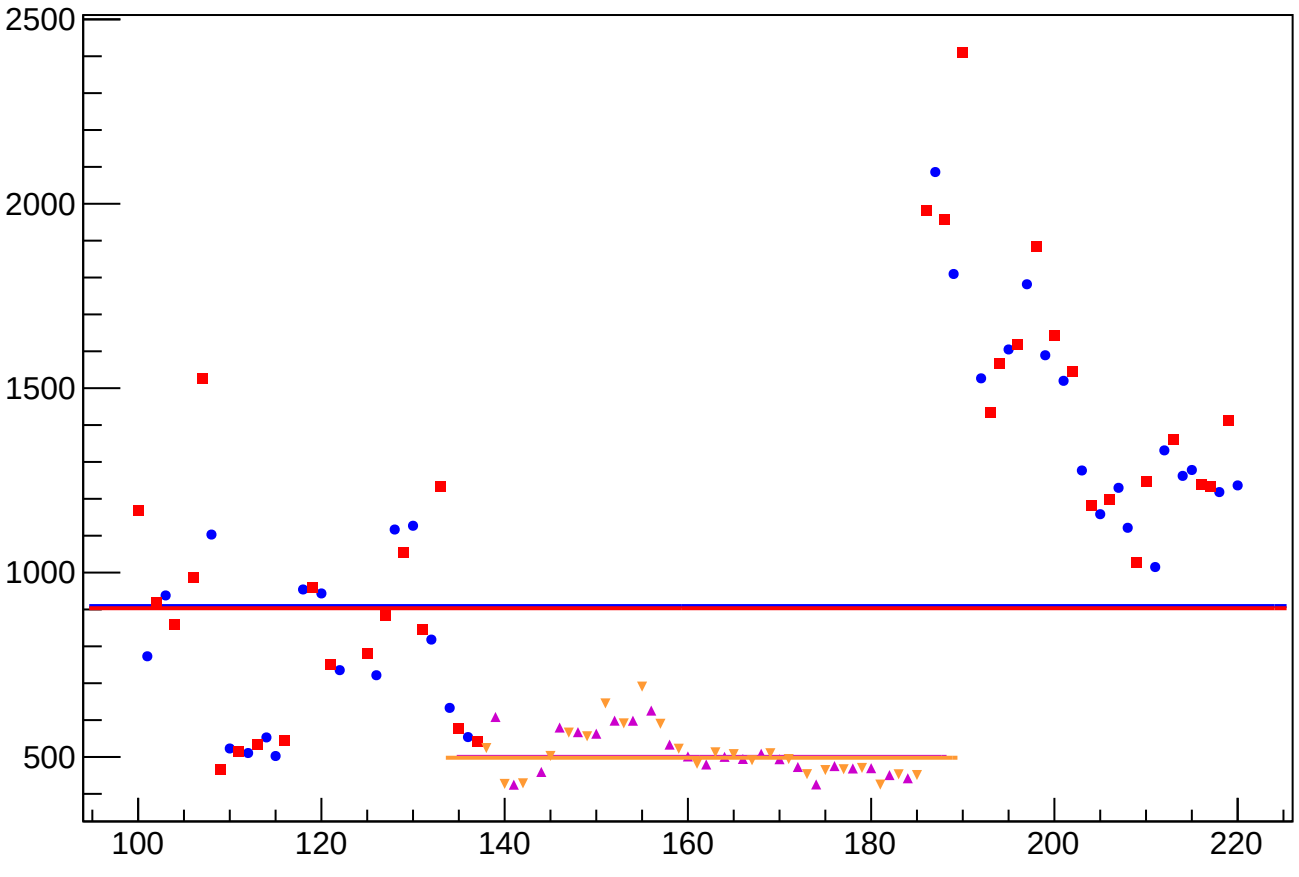
Right: 769.782+/-0.084 χ^2/NDF: 45799.8/67

In: 771.351+/-0.087 χ^2/NDF:23169.3/55

Out: 773.486+/-0.087 χ^2/NDF:29419.4/58

All: 772.420+/-0.061 χ^2/NDF: 52890.8/114


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -807.914+/-213.416 χ²/NDF: 50.0/32
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 893.869+/-215.676 χ²/NDF: 37.4/34
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 34.015+/-151.701 χ²/NDF: 118.8/67
In: -124.954+/-103.137 χ²/NDF:91.4/55
Out: -158.868+/-102.647 χ²/NDF:132.6/58
All: -141.992+/-72.755 χ²/NDF: 224.1/114



Right In: 909.198+/-0.151 χ^2/NDF: 5539046.1/32

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

Right Out: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

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

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

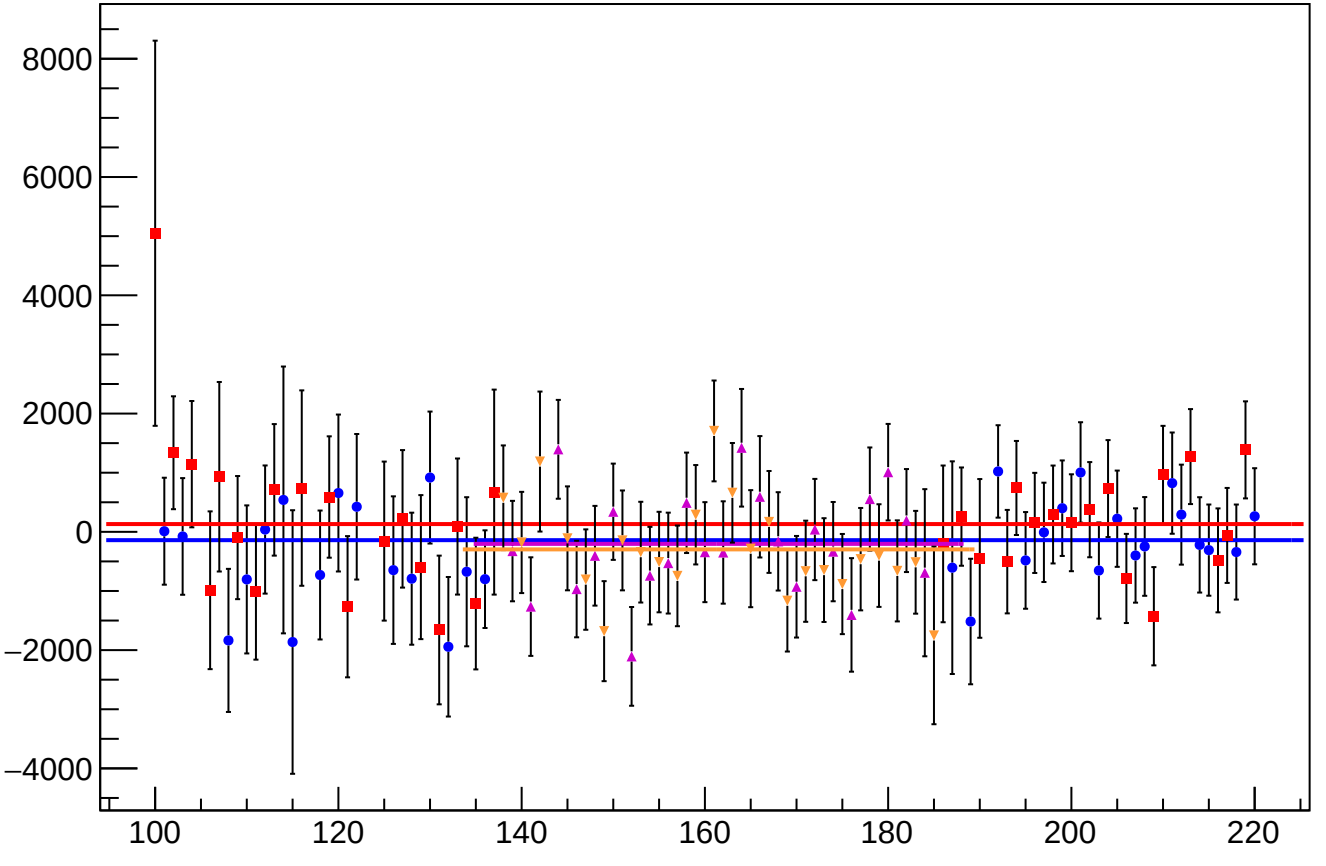
Right: 906.296+/-0.107 χ^2/NDF: 12414423.6/67

In: 595.803+/-0.073 χ^2/NDF:11643401.0/55

Out: 589.785+/-0.073 χ^2/NDF:12866448.5/58

All: 592.779+/-0.051 χ^2/NDF: 24513270.3/11

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -140.731+/-167.367 χ^2/NDF: 17.5/32

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

Right Out: 131.539+/-168.070 χ^2/NDF: 25.7/34

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

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

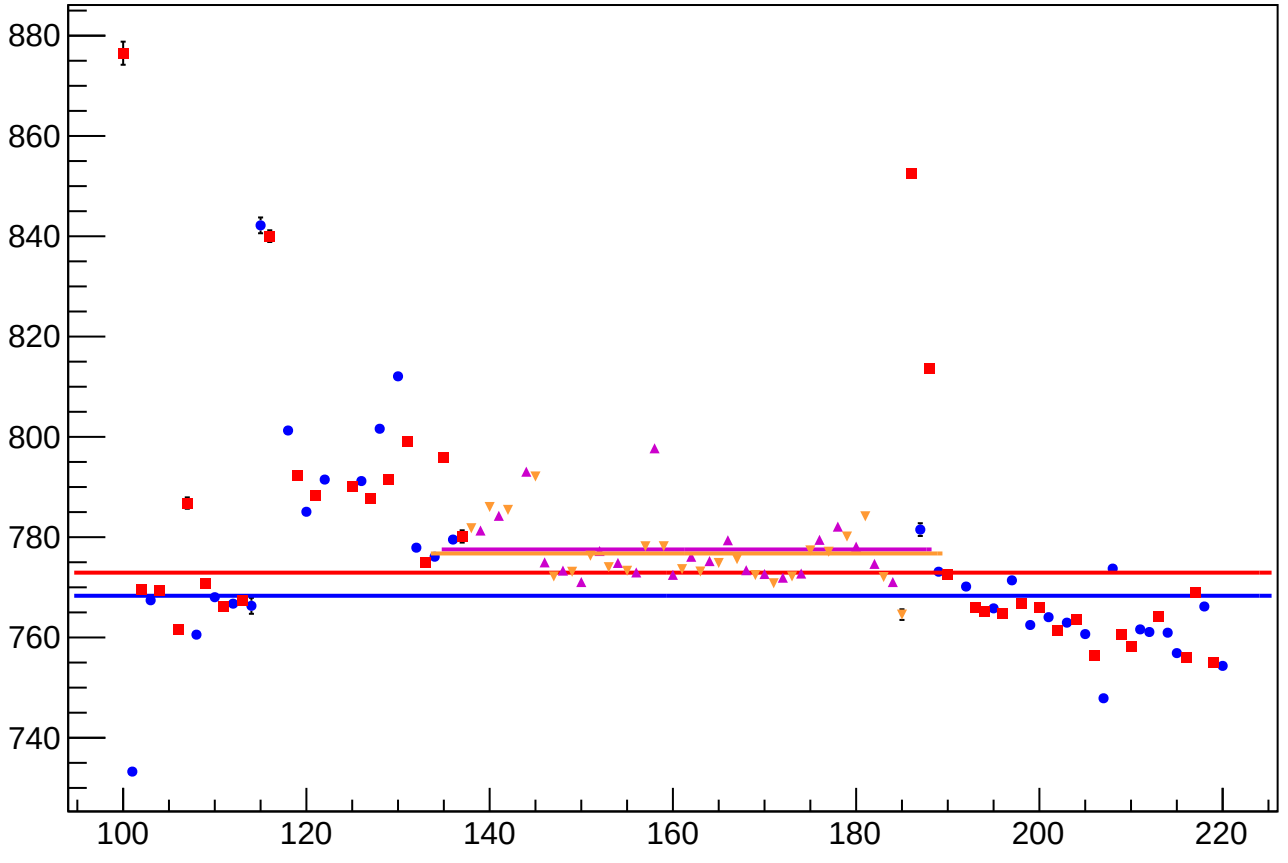
Right: -5.167+/-118.594 χ^2/NDF: 44.5/67

In: -169.494+/-123.055 χ^2/NDF:39.6/55

Out: -67.622+/-122.934 χ^2/NDF:45.4/58

All: -118.508+/-86.970 χ^2/NDF: 85.4/114

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 768.317+/-0.118 χ^2/NDF: 17754.6/32

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

Right Out: 772.927+/-0.119 χ^2/NDF: 27167.9/34

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

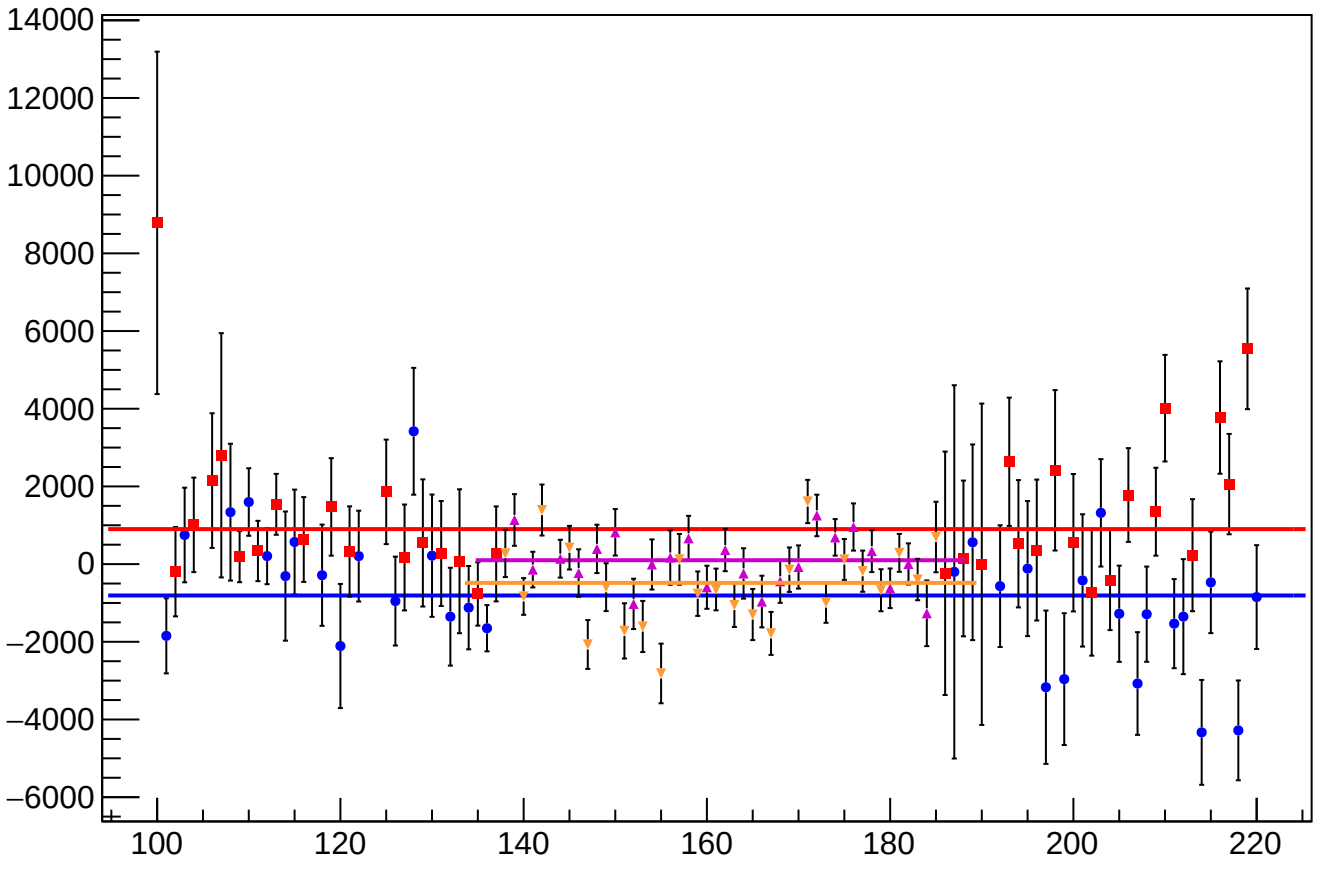
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.612+/-0.084 χ^2/NDF: 45677.9/67

In: 772.559+/-0.087 χ^2/NDF:23301.6/55

Out: 774.705+/-0.087 χ^2/NDF:29475.7/58

All: 773.633+/-0.061 χ^2/NDF: 53081.8/114



Right In: -808.048+/-215.141 χ^2/NDF: 49.9/32

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

Right Out: 901.061+/-217.370 χ^2/NDF: 37.5/34

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

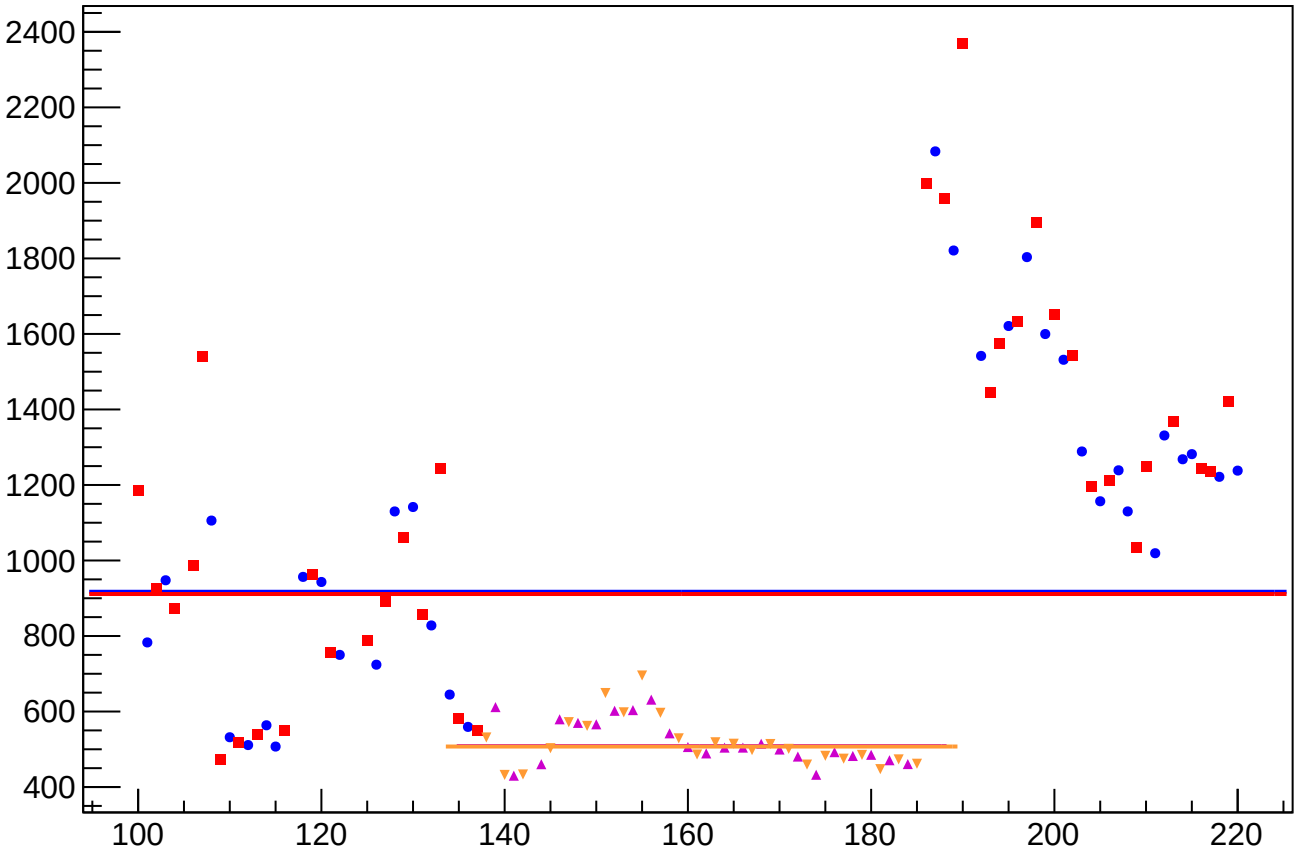
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 37.699+/-152.909 χ^2/NDF: 118.7/67

In: -114.595+/-104.584 χ^2/NDF:91.0/55

Out: -164.557+/-104.250 χ^2/NDF:133.8/58

All: -139.656+/-73.834 χ^2/NDF: 224.9/114



Right In: 917.169+/-0.152 χ^2/NDF: 5493744.2/32

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

Right Out: 911.226+/-0.154 χ^2/NDF: 6816699.3/34

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

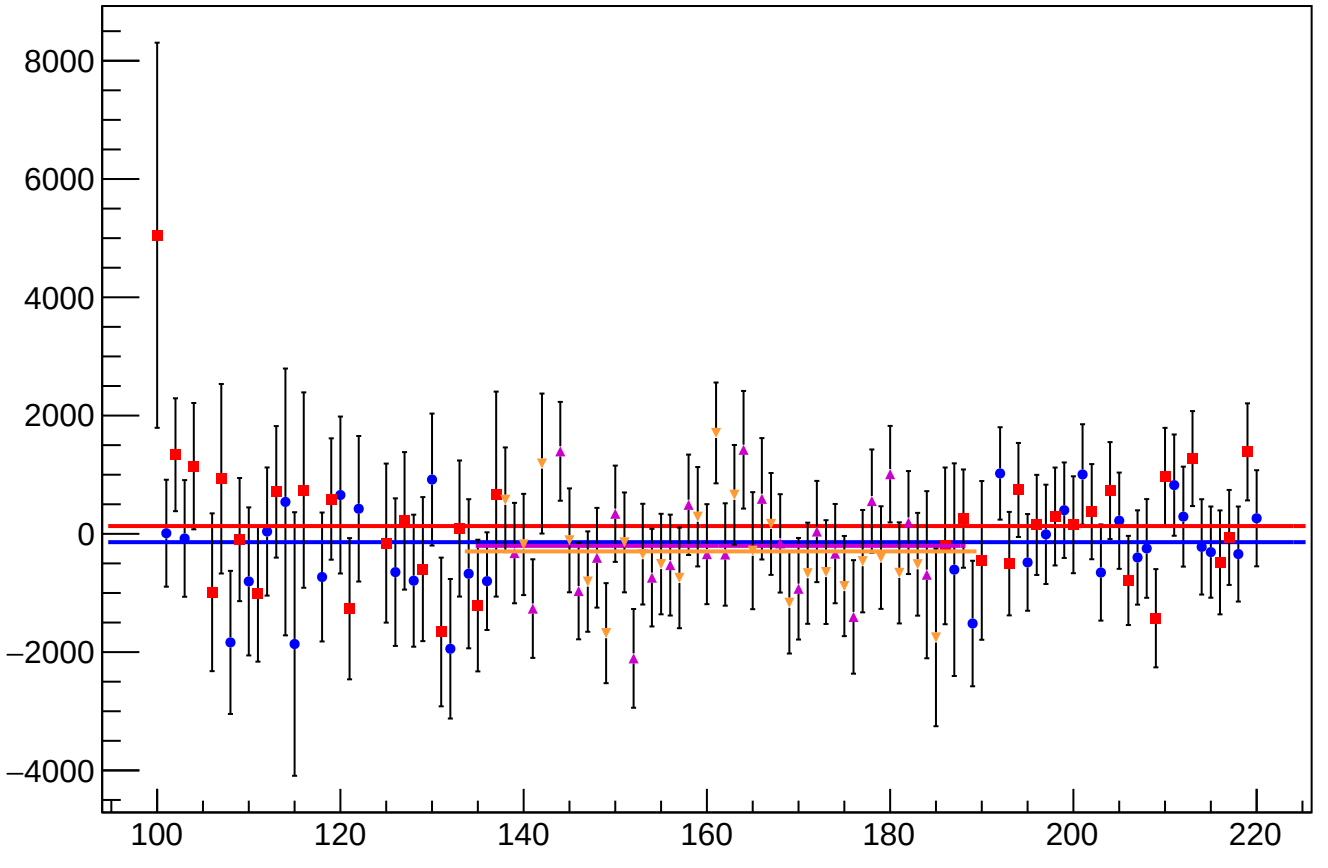
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 914.228+/-0.108 χ^2/NDF: 12311198.5/67

In: 605.179+/-0.074 χ^2/NDF:11433602.6/55

Out: 600.224+/-0.074 χ^2/NDF:12607816.5/58

All: 602.694+/-0.052 χ^2/NDF: 24043671.6/11



Right In: -140.731+/-167.367 χ^2/NDF: 17.5/32

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

Right Out: 131.535+/-168.070 χ^2/NDF: 25.7/34

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

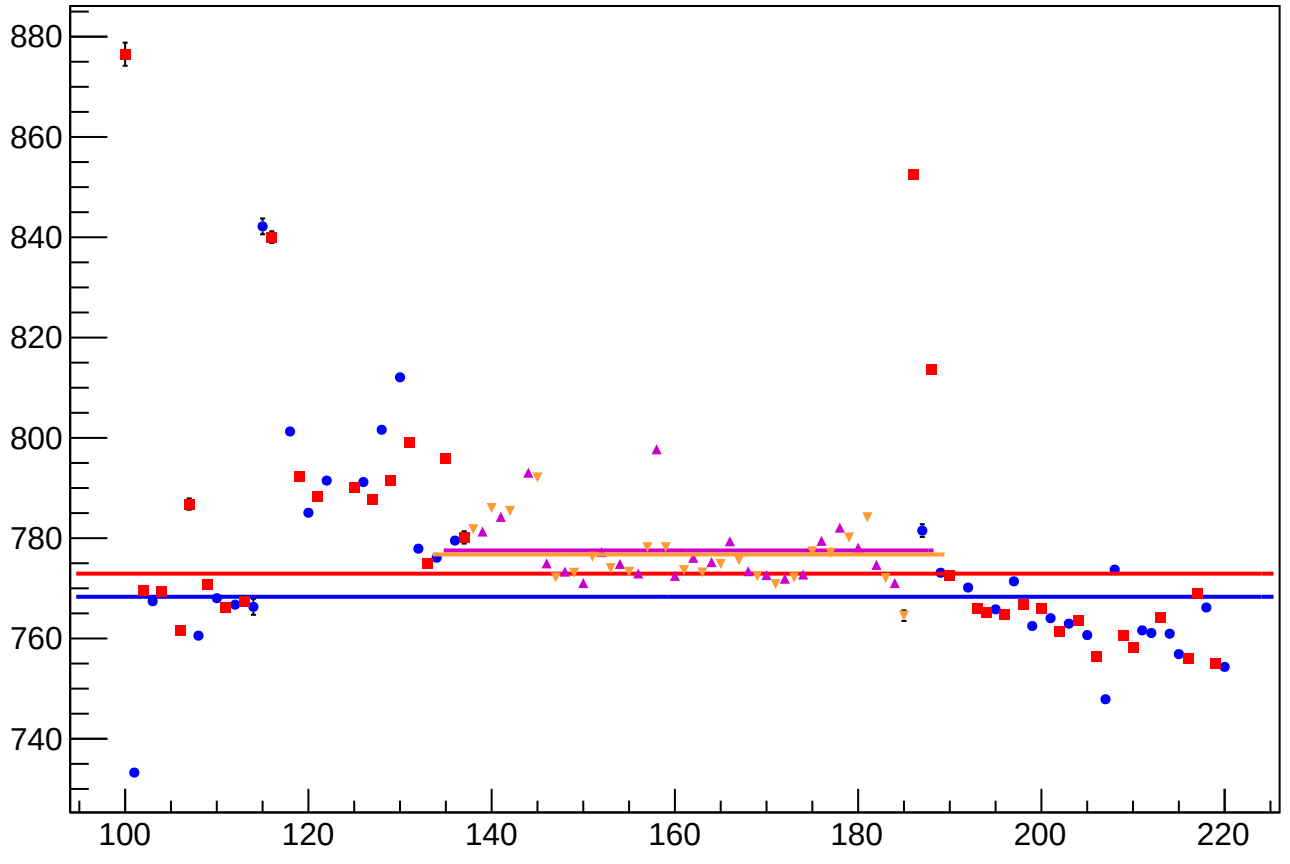
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -5.169+/-118.594 χ^2/NDF: 44.5/67

In: -169.494+/-123.055 χ^2/NDF:39.6/55

Out: -67.624+/-122.934 χ^2/NDF:45.4/58

All: -118.509+/-86.970 χ^2/NDF: 85.4/114



Right In: 768.317+/-0.118 χ^2/NDF: 17754.5/32

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

Right Out: 772.927+/-0.119 χ^2/NDF: 27167.9/34

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

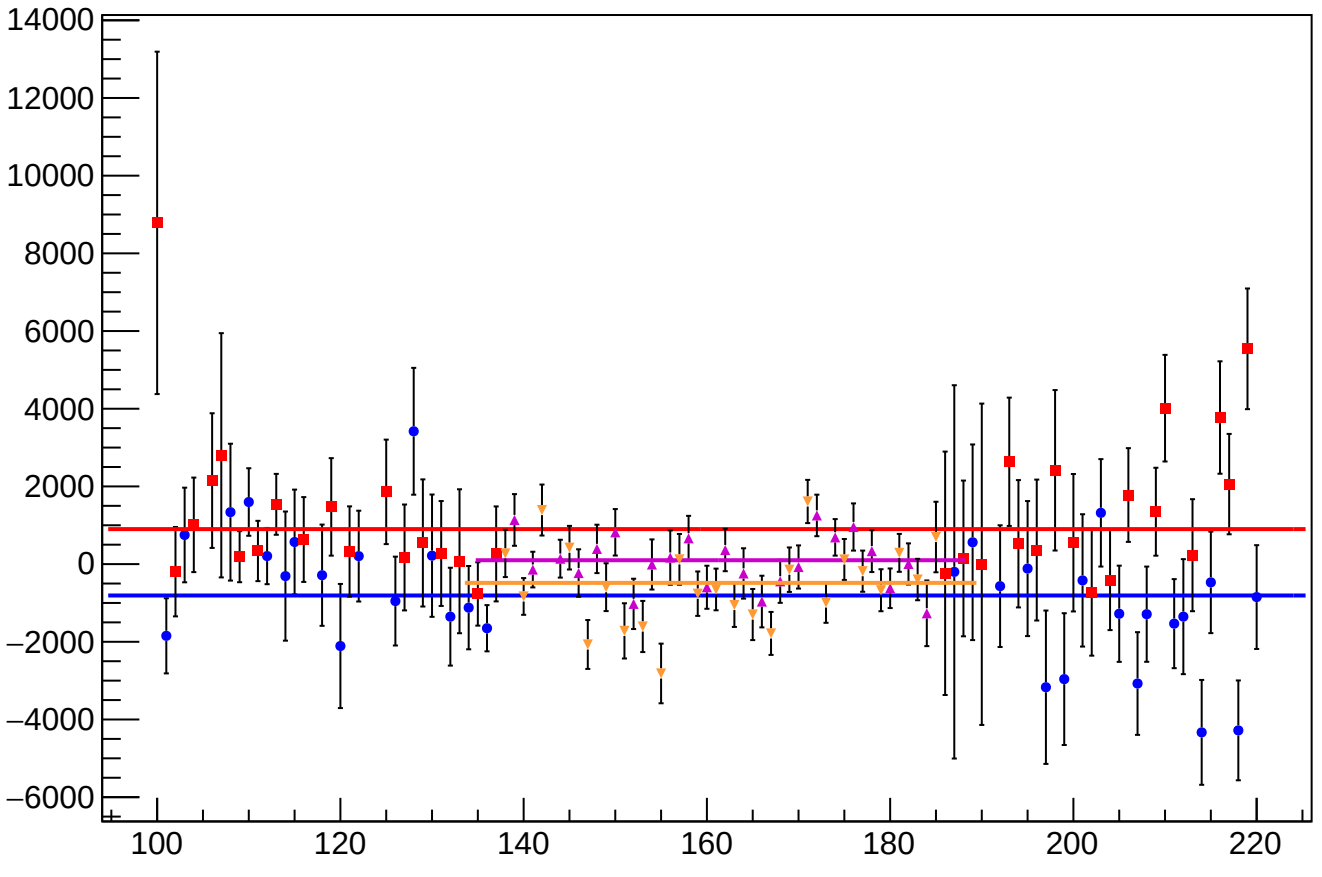
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 770.612+/-0.084 χ^2/NDF: 45677.8/67

In: 772.559+/-0.087 χ^2/NDF:23301.6/55

Out: 774.705+/-0.087 χ^2/NDF:29475.7/58

All: 773.633+/-0.061 χ^2/NDF: 53081.7/114



Right In: -808.041+/-215.140 χ^2/NDF: 49.9/32

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

Right Out: 901.057+/-217.369 χ^2/NDF: 37.5/34

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

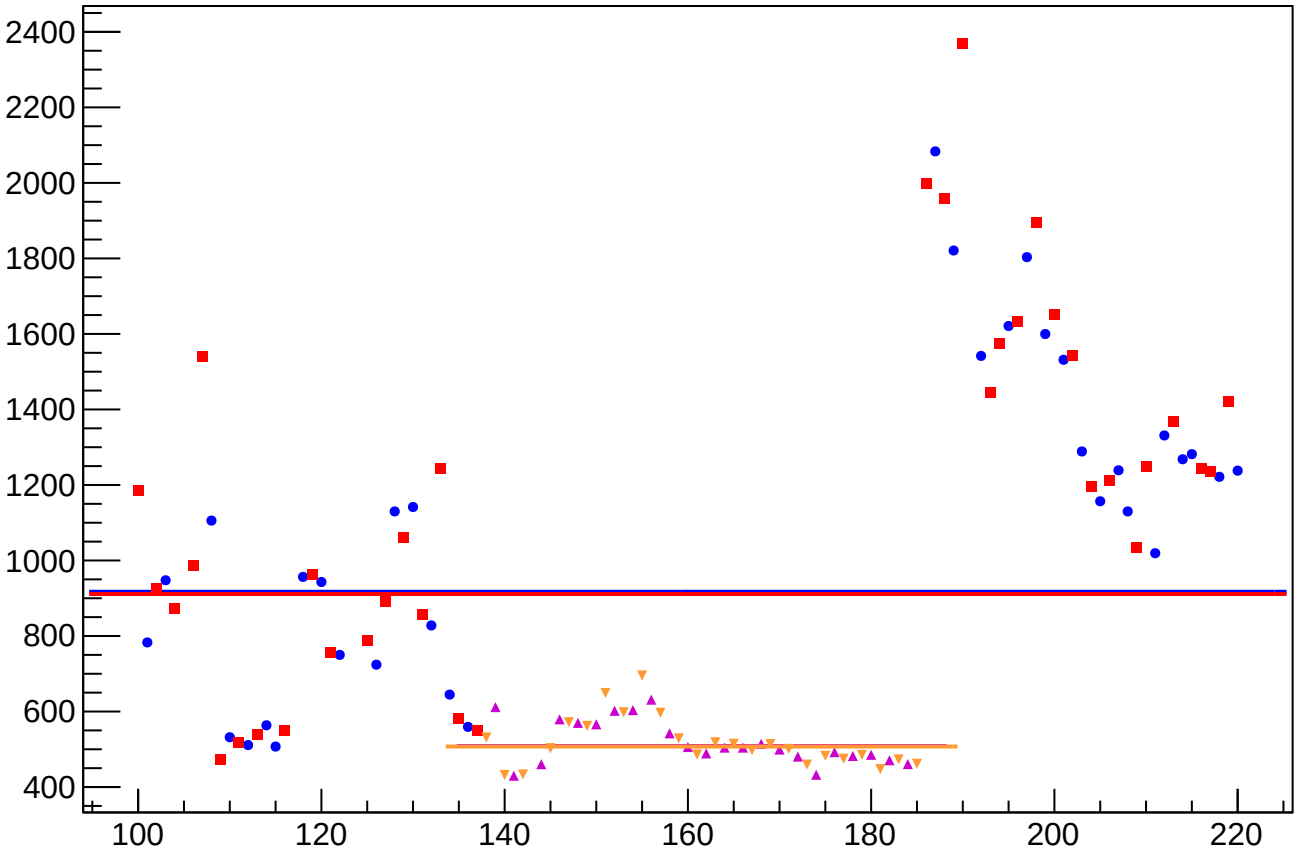
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 37.701+/-152.909 χ^2/NDF: 118.7/67

In: -114.594+/-104.584 χ^2/NDF:91.0/55

Out: -164.556+/-104.250 χ^2/NDF:133.8/58

All: -139.655+/-73.834 χ^2/NDF: 224.9/114



Right In: 917.165+/-0.152 χ^2/NDF: 5493823.3/32

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

Right Out: 911.223+/-0.154 χ^2/NDF: 6816775.1/34

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

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

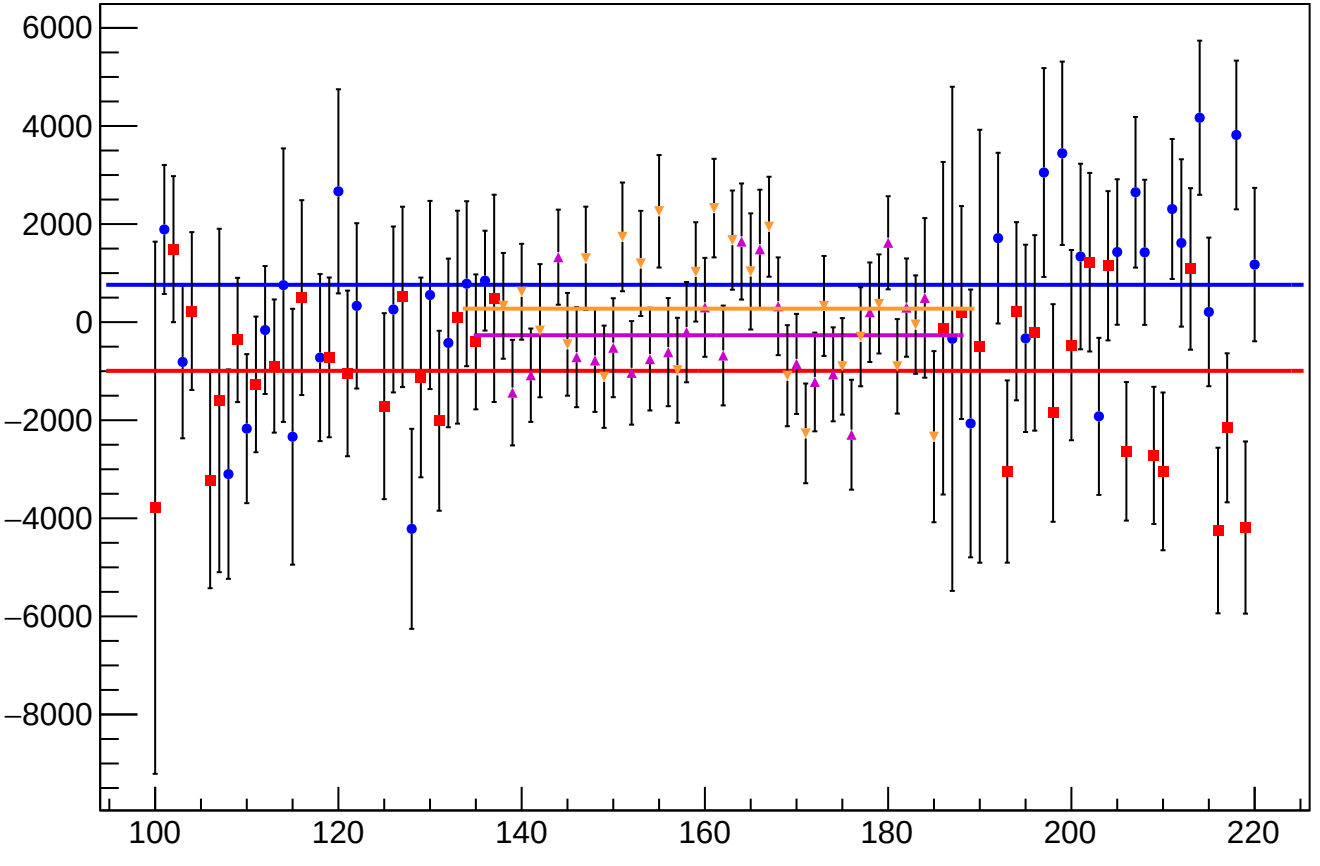
Right: 914.225+/-0.108 χ^2/NDF: 12311353.4/67

In: 605.179+/-0.074 χ^2/NDF:11433631.2/55

Out: 600.224+/-0.074 χ^2/NDF:12607828.6/58

All: 602.693+/-0.052 χ^2/NDF: 24043712.0/11

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 761.534+/-291.665 χ^2/NDF: 39.0/32

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

Right Out: -992.627+/-299.120 χ^2/NDF: 27.2/34

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

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

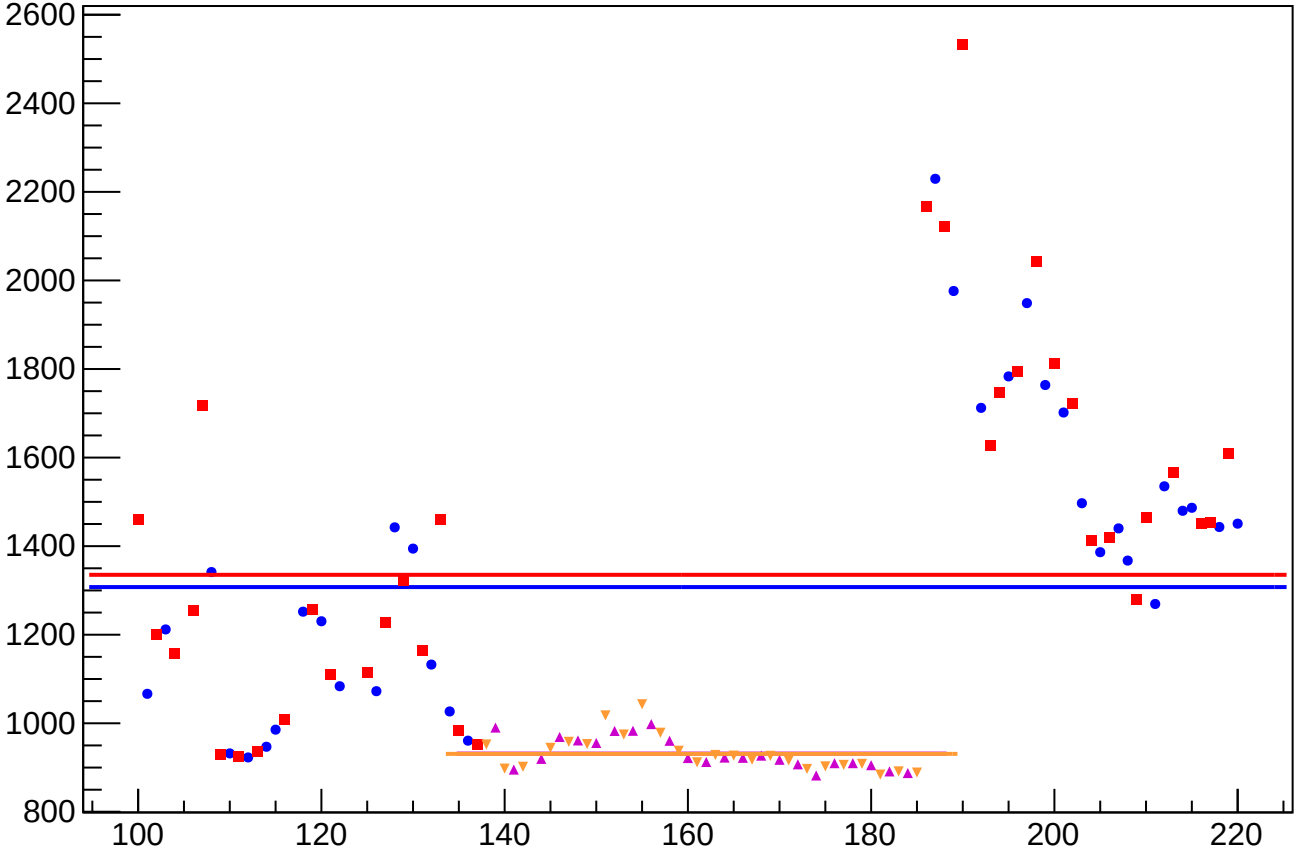
Right: -93.413+/-208.824 χ^2/NDF: 83.8/67

In: 100.927+/-174.453 χ^2/NDF:68.4/55

Out: -160.105+/-175.270 χ^2/NDF:72.6/58

All: -28.979+/-123.645 χ^2/NDF: 142.1/114

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1307.578+/-0.206 χ^2/NDF: 1812518.0/32

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

Right Out: 1335.270+/-0.212 χ^2/NDF: 2312995.8/34

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

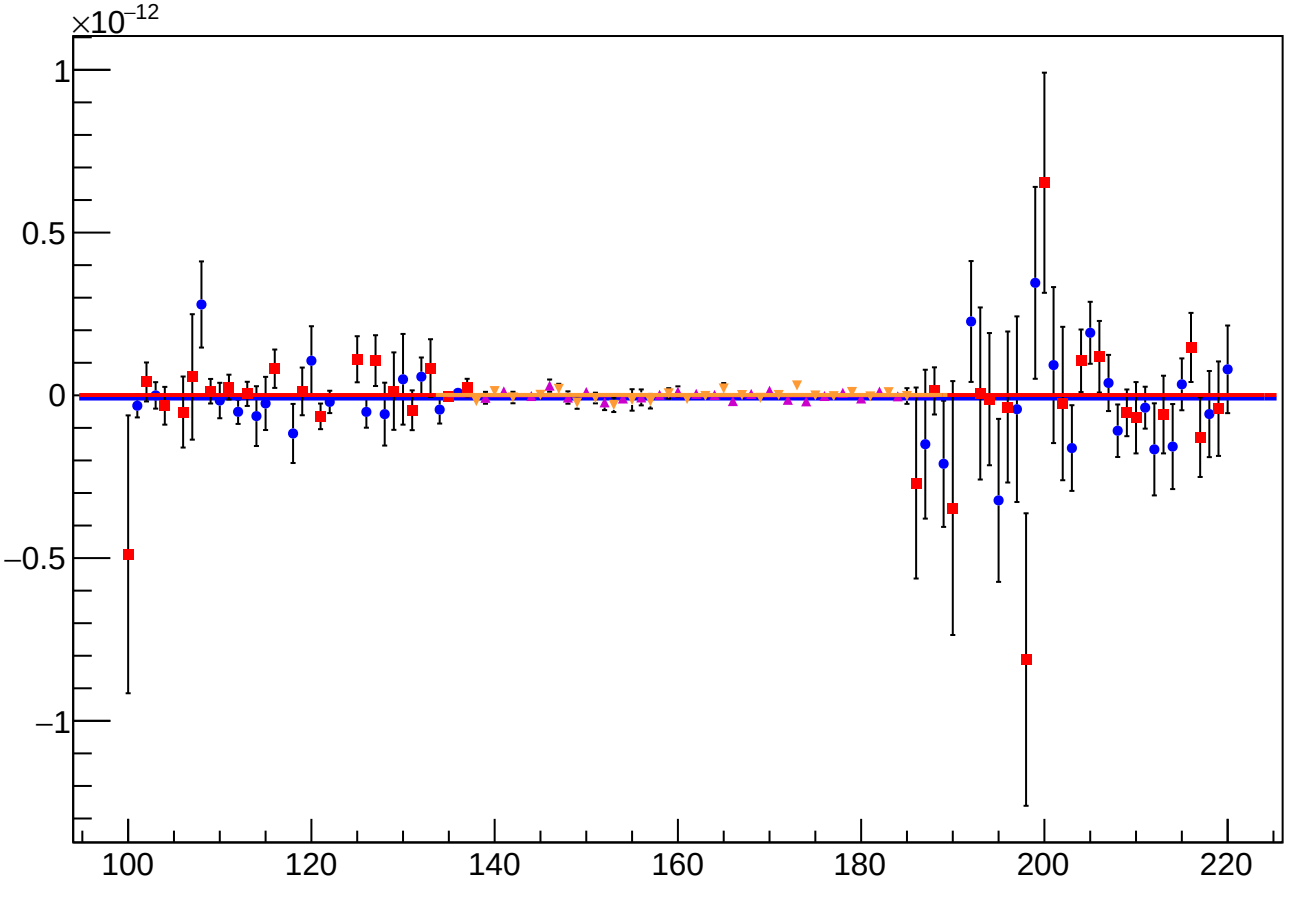
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1321.075+/-0.148 χ^2/NDF: 4134300.9/67

In: 1066.085+/-0.123 χ^2/NDF:3996319.5/55

Out: 1069.750+/-0.124 χ^2/NDF:4774839.9/58

All: 1067.909+/-0.087 χ^2/NDF: 8771598.8/11



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/34

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

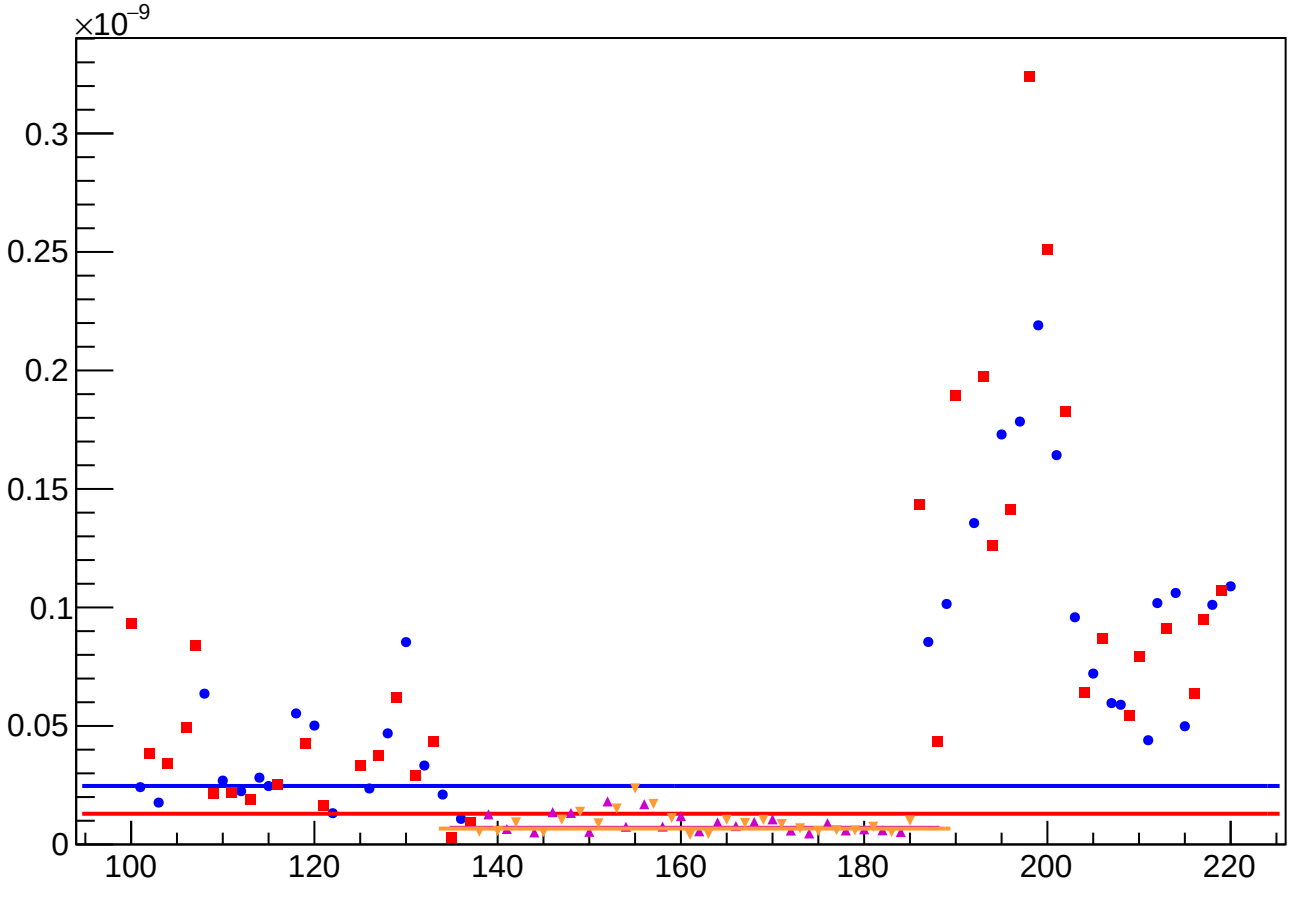
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 61.9/67

In: -0.000+/-0.000 χ^2/NDF:54.4/55

Out: 0.000+/-0.000 χ^2/NDF:55.4/58

All: 0.000+/-0.000 χ^2/NDF: 110.2/114



Right In: 0.000+/-0.000 χ^2/NDF: 11991612.1/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 17922716.4/34

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

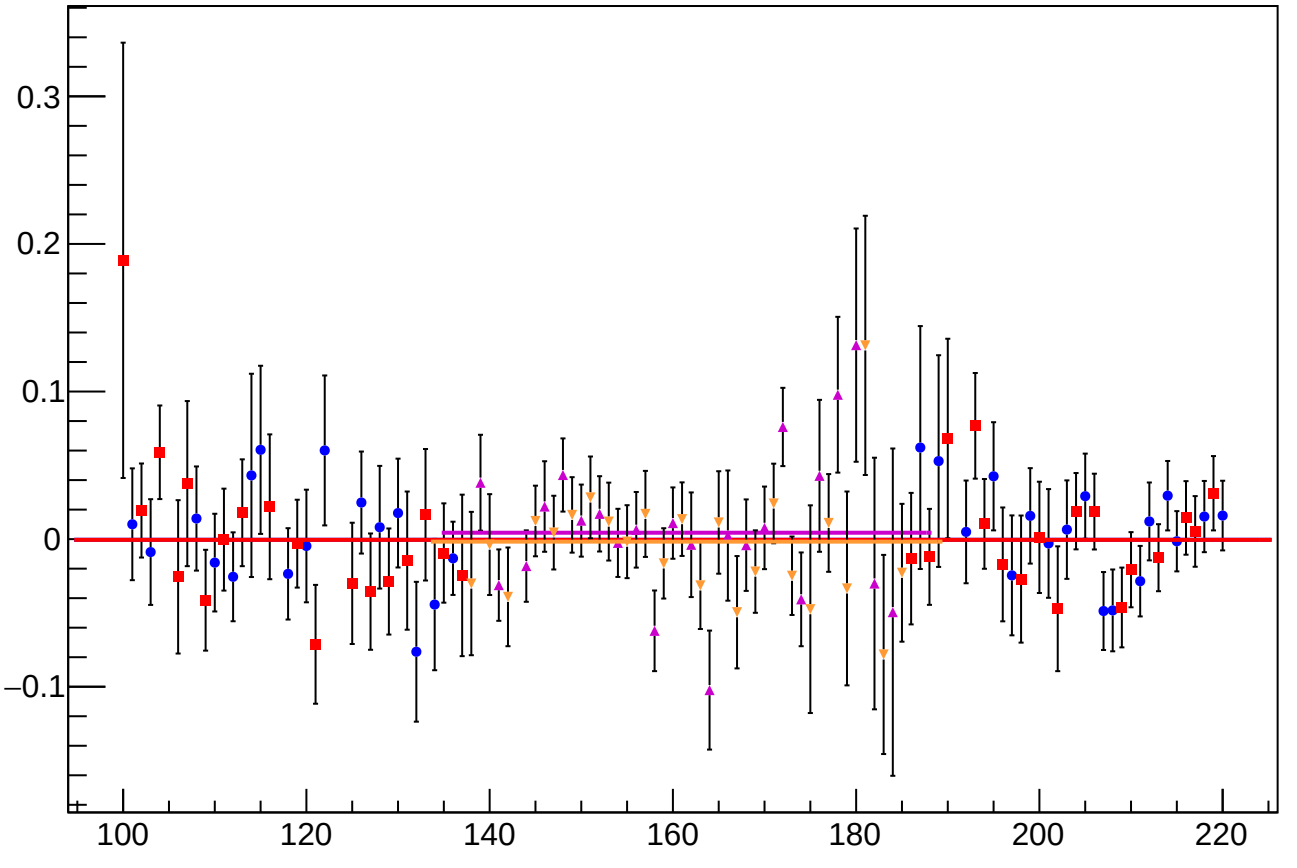
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 31832343.0/67

In: 0.000+/-0.000 χ^2/NDF:20758868.4/55

Out: 0.000+/-0.000 χ^2/NDF:22260821.6/58

All: 0.000+/-0.000 χ^2/NDF: 43130188.3/114



Right In: -0.000+/-0.006 χ^2/NDF: 24.0/32

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

Right Out: -0.000+/-0.006 χ^2/NDF: 28.4/34

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

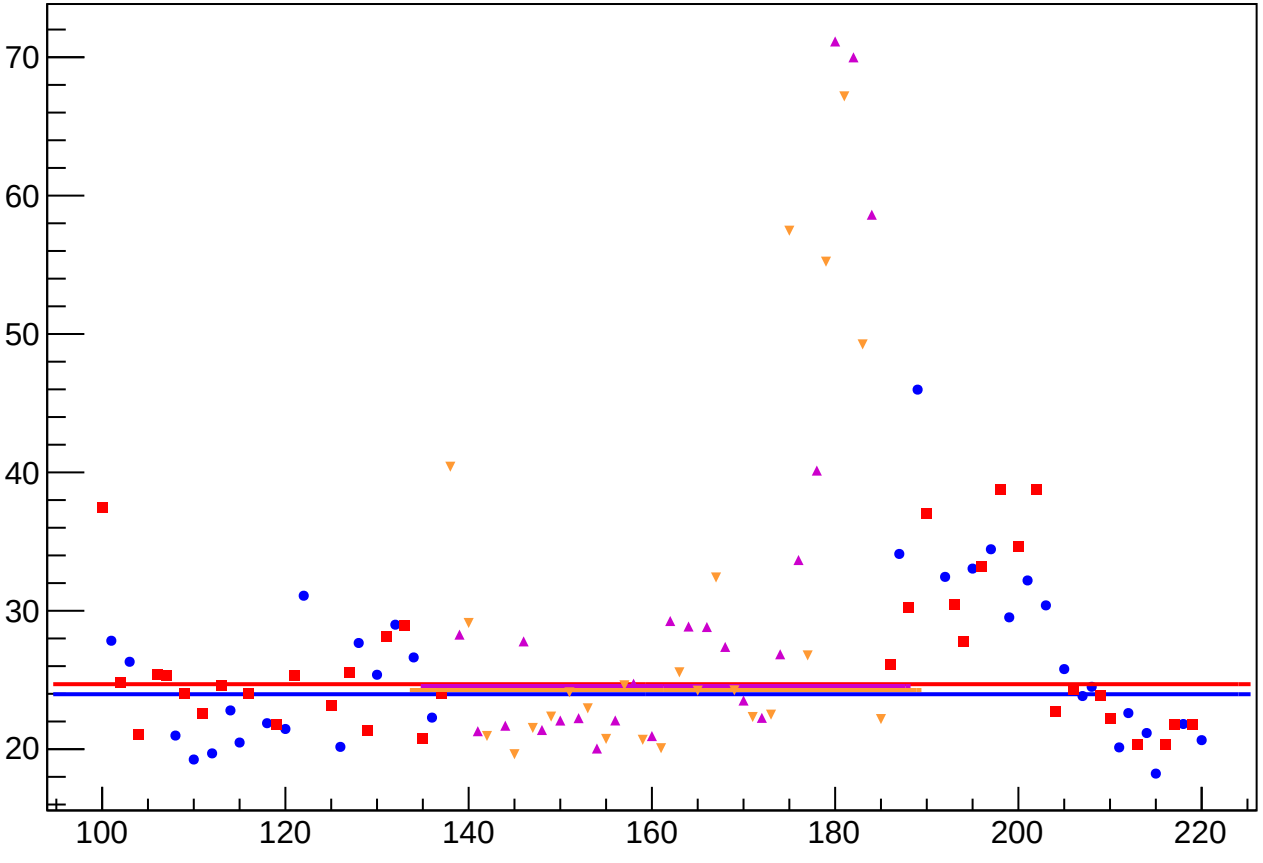
Right: -0.000+/-0.004 χ^2/NDF: 52.4/67

In: 0.002+/-0.004 χ^2/NDF:60.9/55

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: 0.000+/-0.003 χ^2/NDF: 104.1/114

asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.970+/-0.004 χ^2/NDF: 1405375.4/32

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

Right Out: 24.696+/-0.004 χ^2/NDF: 1241869.4/34

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

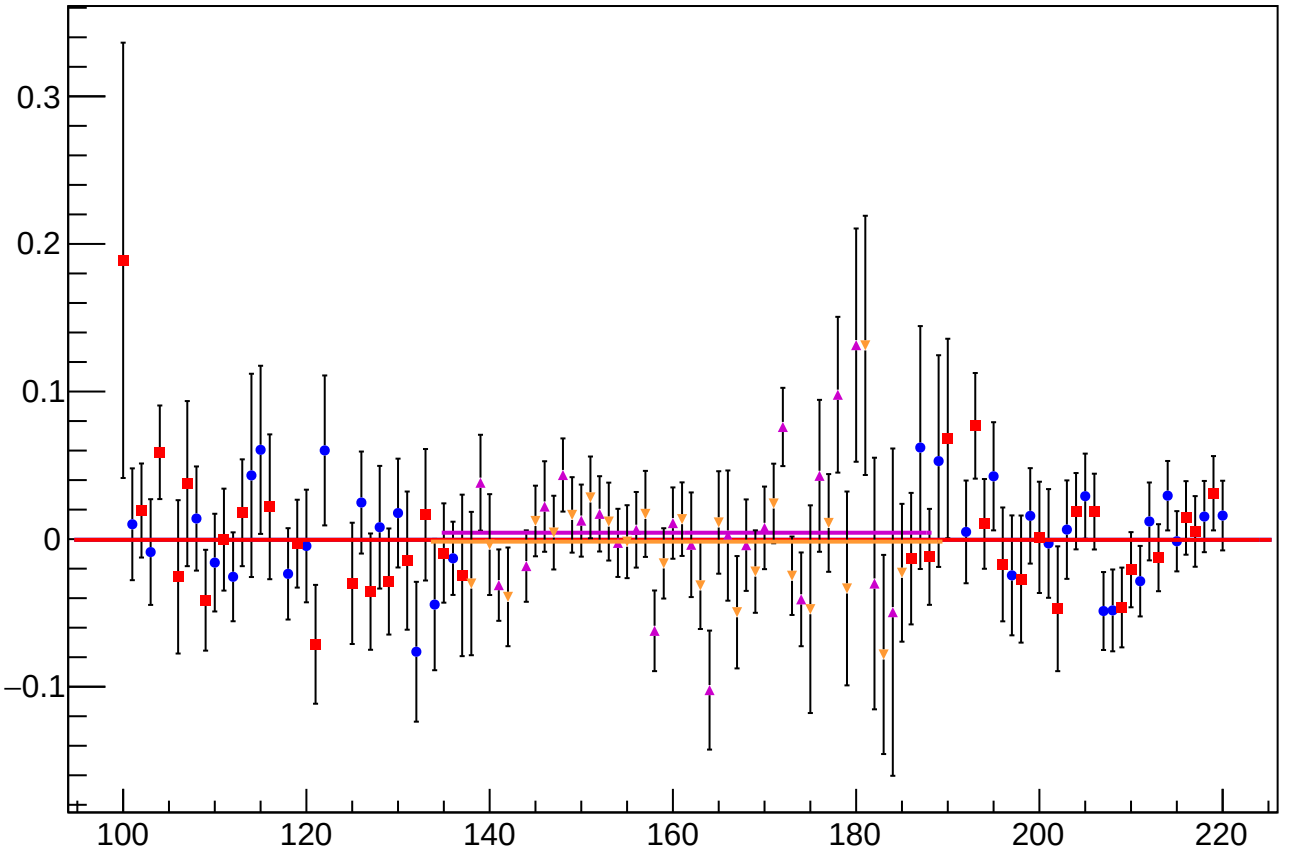
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.326+/-0.003 χ^2/NDF: 2663535.2/67

In: 24.230+/-0.003 χ^2/NDF:3548036.4/55

Out: 24.506+/-0.003 χ^2/NDF:3557399.0/58

All: 24.367+/-0.002 χ^2/NDF: 7109680.6/114



Right In: -0.000+/-0.006 χ^2/NDF: 24.0/32

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

Right Out: -0.000+/-0.006 χ^2/NDF: 28.4/34

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

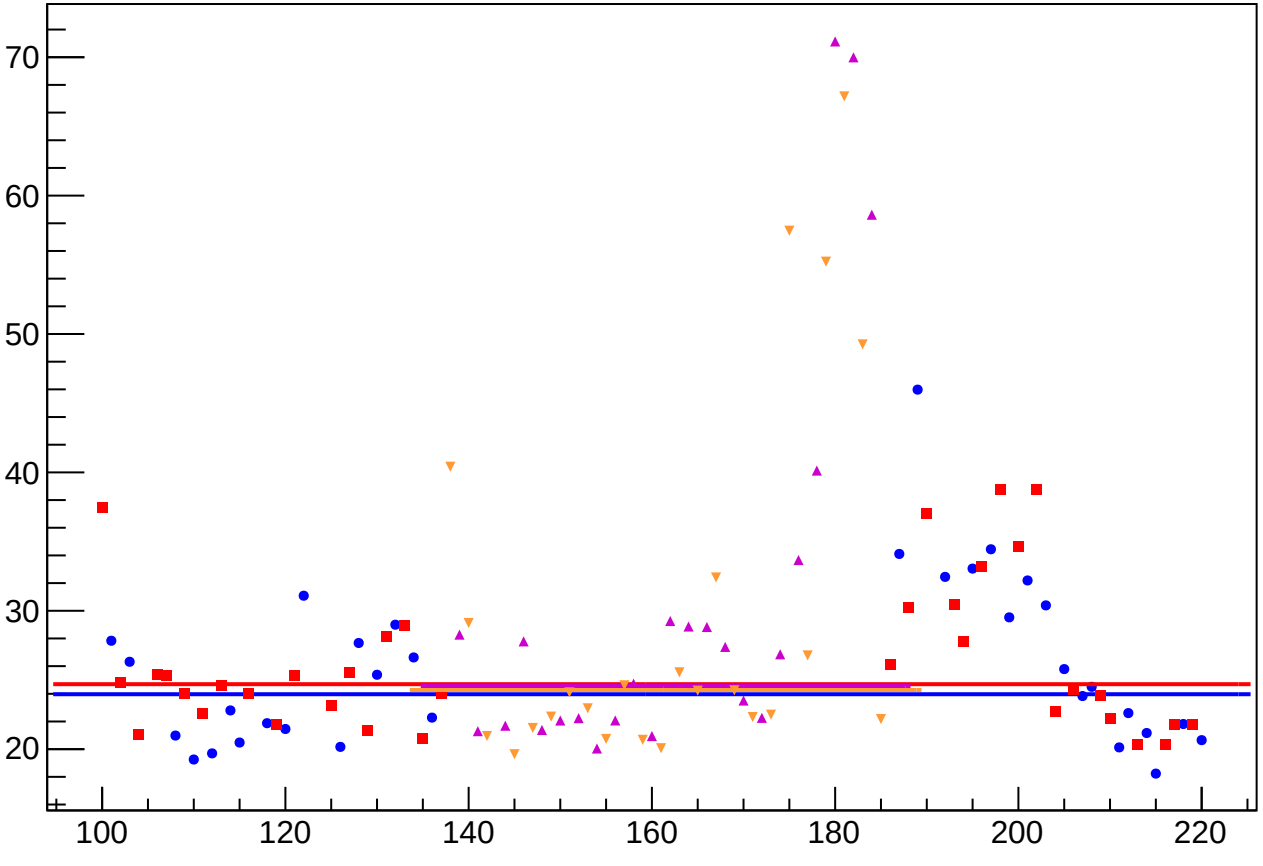
Right: -0.000+/-0.004 χ^2/NDF: 52.4/67

In: 0.002+/-0.004 χ^2/NDF:60.9/55

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: 0.000+/-0.003 χ^2/NDF: 104.1/114

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.970+/-0.004 χ^2/NDF: 1405375.4/32

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

Right Out: 24.696+/-0.004 χ^2/NDF: 1241869.4/34

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

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

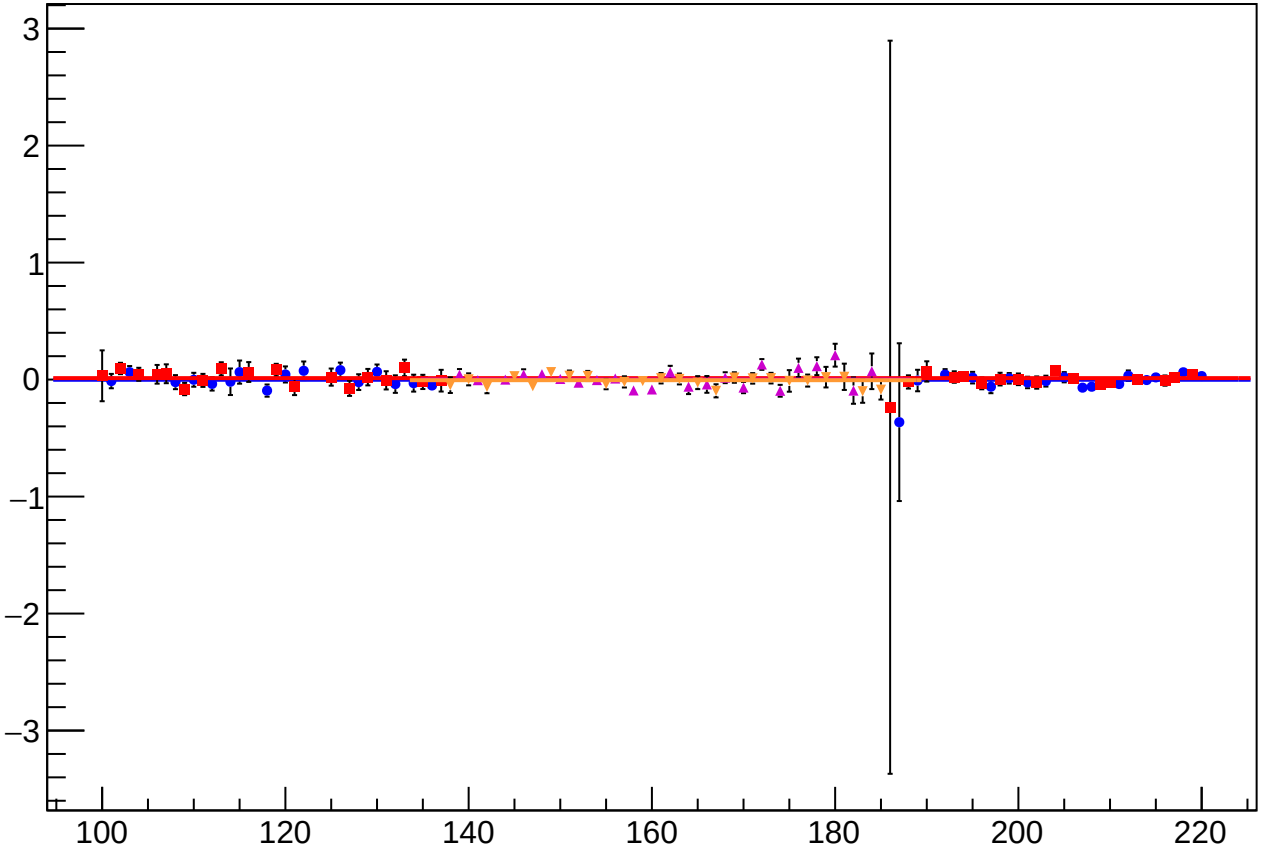
Right: 24.326+/-0.003 χ^2/NDF: 2663535.2/67

In: 24.230+/-0.003 χ^2/NDF:3548036.4/55

Out: 24.506+/-0.003 χ^2/NDF:3557399.0/58

All: 24.367+/-0.002 χ^2/NDF: 7109680.6/114

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 24.2/32

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

Right Out: 0.012+/-0.009 χ^2/NDF: 24.1/34

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

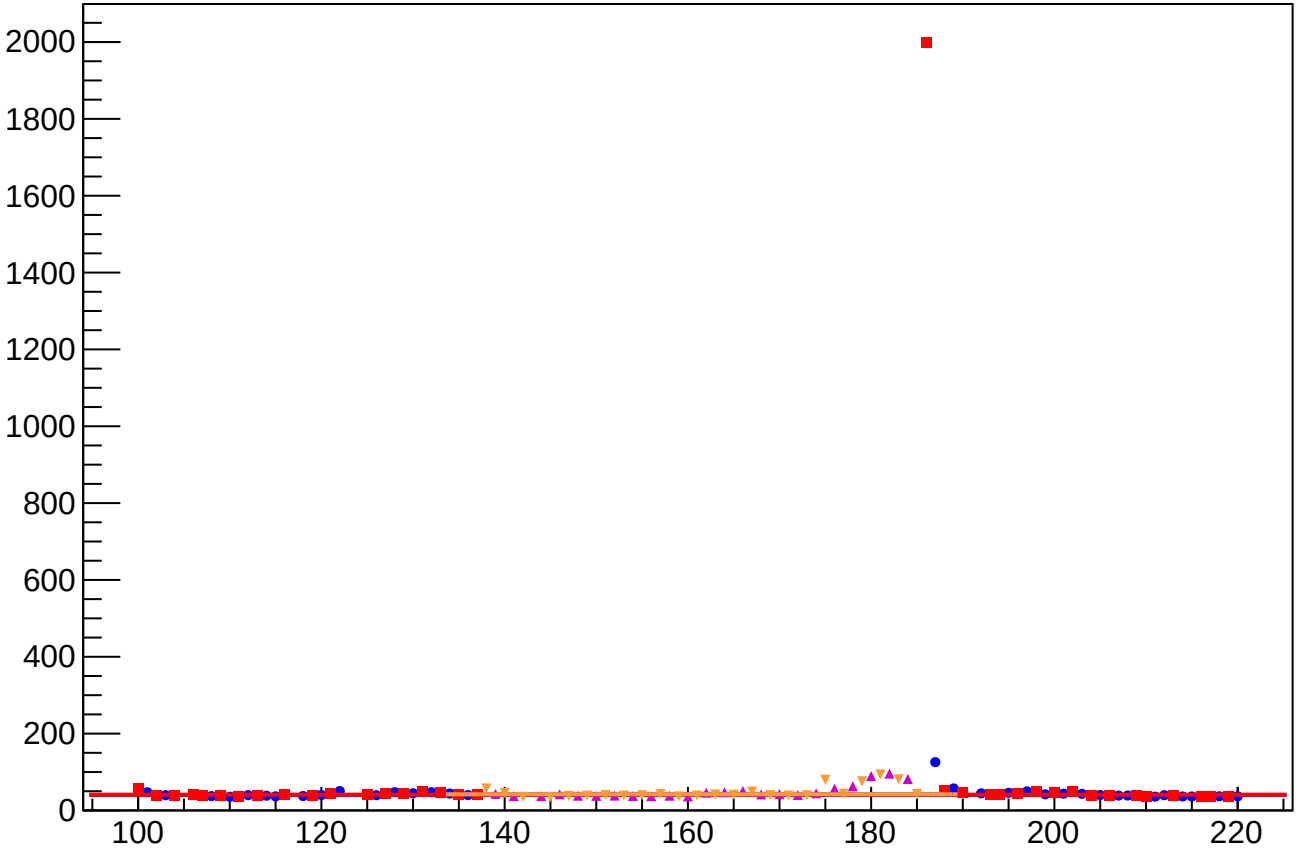
Right: 0.005+/-0.006 χ^2/NDF: 49.4/67

In: -0.001+/-0.007 χ^2/NDF:62.1/55

Out: 0.005+/-0.007 χ^2/NDF:39.5/58

All: 0.002+/-0.005 χ^2/NDF: 102.0/114

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.516+/-0.006 χ^2/NDF: 458571.2/32

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

Right Out: 40.870+/-0.007 χ^2/NDF: 1200203.4/34

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

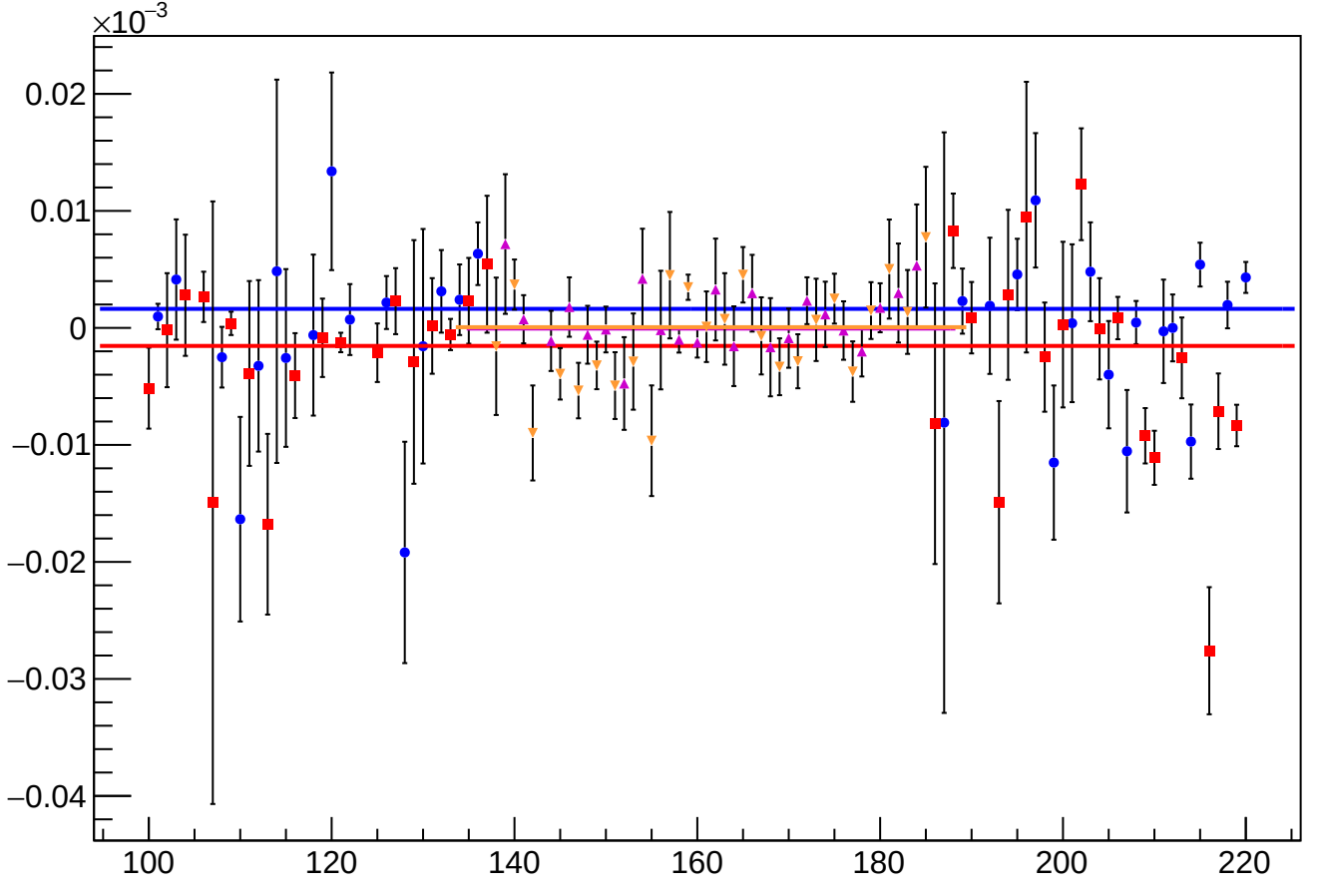
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 40.691+/-0.005 χ^2/NDF: 1660264.9/67

In: 41.194+/-0.005 χ^2/NDF:2027577.9/55

Out: 41.407+/-0.005 χ^2/NDF:2931612.4/58

All: 41.300+/-0.003 χ^2/NDF: 4960143.5/114



Right In: 0.000+/-0.000 χ^2/NDF: 55.8/32

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

Right Out: -0.000+/-0.000 χ^2/NDF: 112.4/34

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

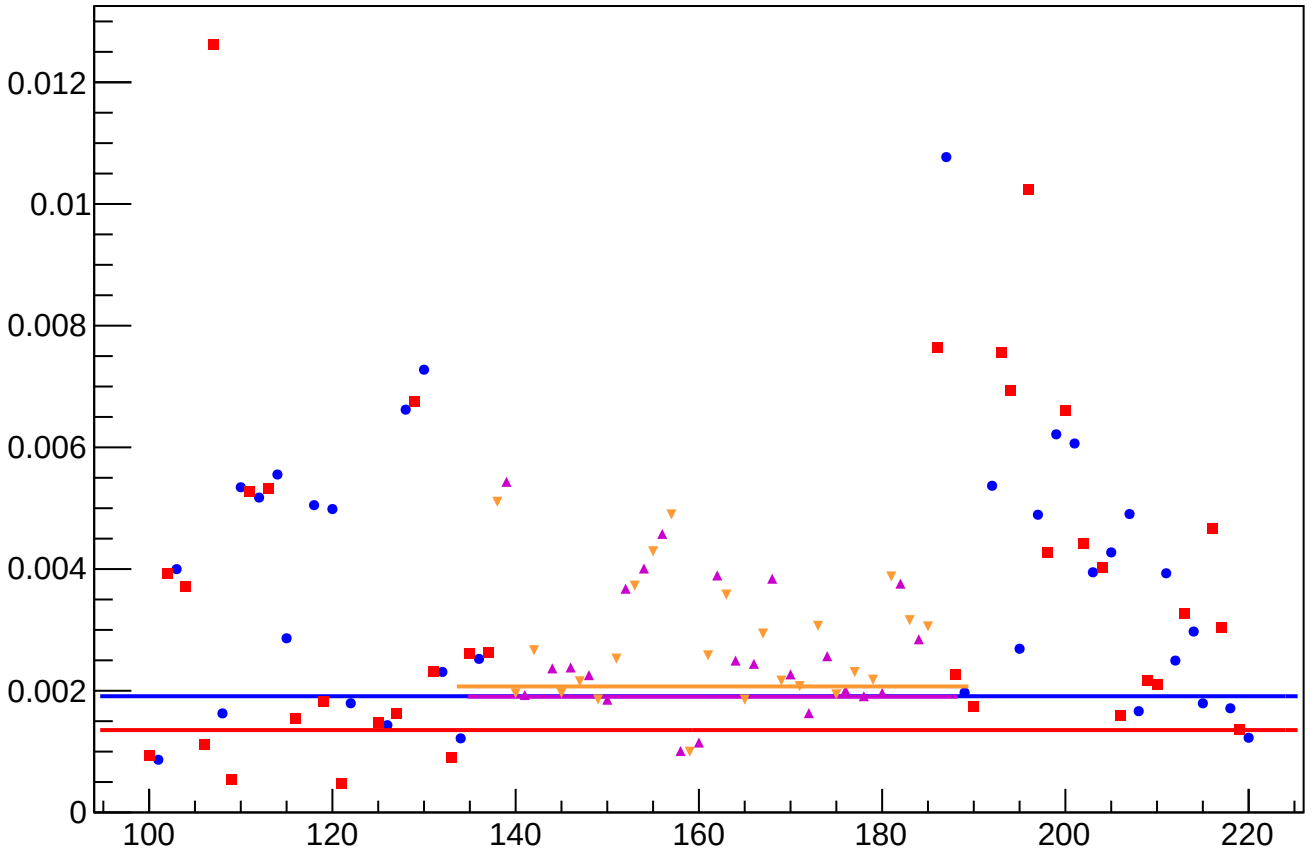
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 191.5/67

In: 0.000+/-0.000 χ^2/NDF:74.5/55

Out: -0.000+/-0.000 χ^2/NDF:169.7/58

All: -0.000+/-0.000 χ^2/NDF: 256.4/114



Right In: 0.002+/-0.000 χ^2/NDF: 11331132.6/32

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

Right Out: 0.001+/-0.000 χ^2/NDF: 17267919.8/34

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

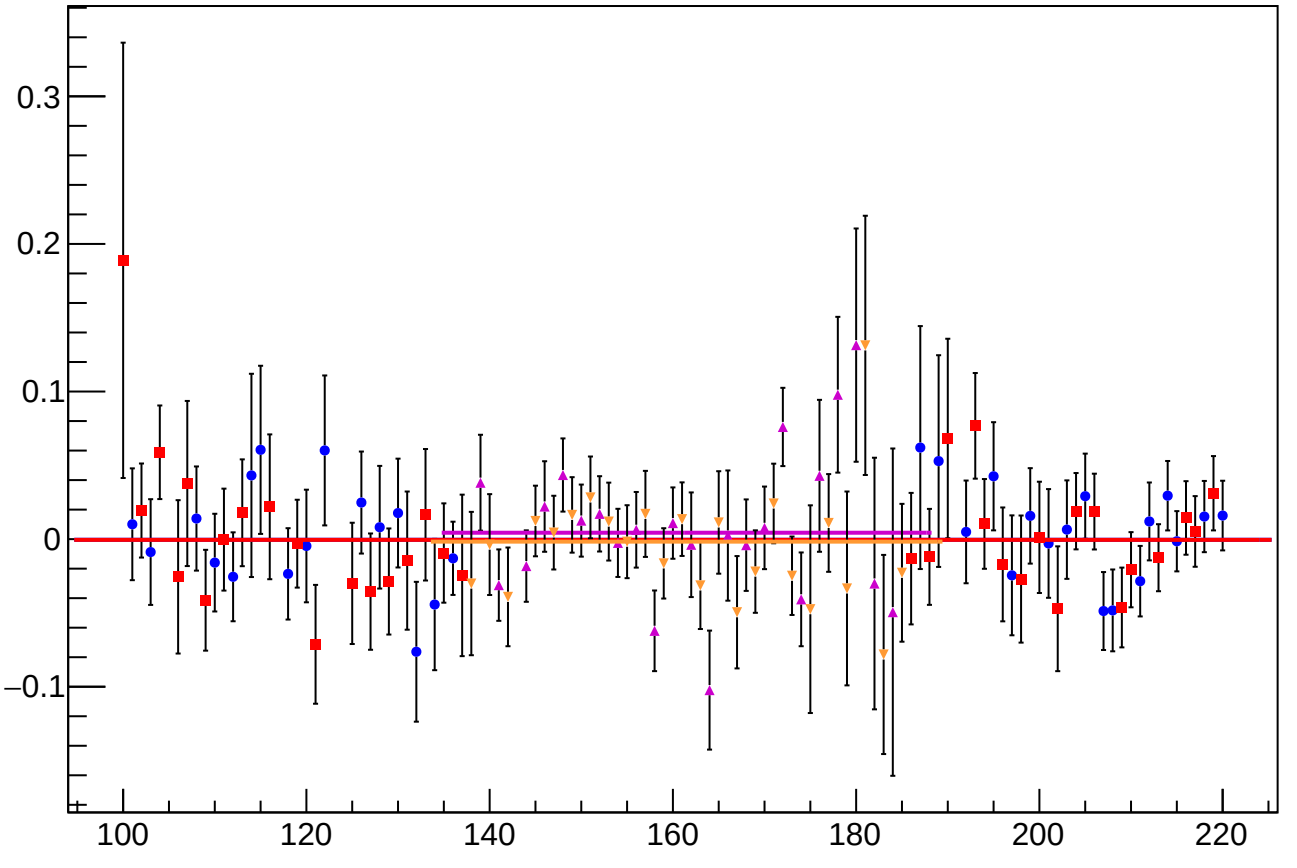
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 30036923.2/67

In: 0.002+/-0.000 χ^2/NDF:17267328.9/55

Out: 0.002+/-0.000 χ^2/NDF:24809196.4/58

All: 0.002+/-0.000 χ^2/NDF: 42714549.4/114



Right In: -0.000+/-0.006 χ^2/NDF: 24.0/32

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

Right Out: -0.000+/-0.006 χ^2/NDF: 28.4/34

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

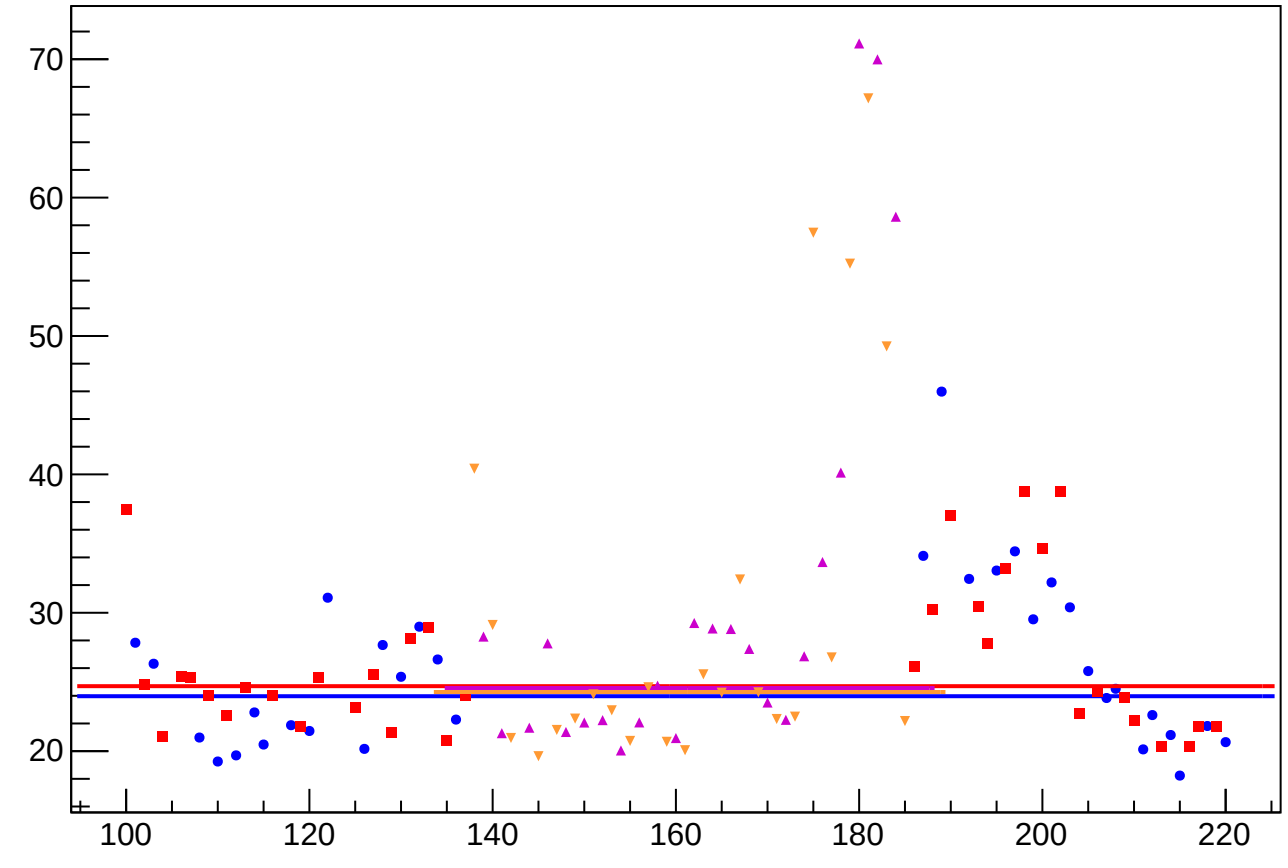
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.000+/-0.004 χ^2/NDF: 52.4/67

In: 0.002+/-0.004 χ^2/NDF:60.9/55

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: 0.000+/-0.003 χ^2/NDF: 104.1/114



Right In: 23.970+/-0.004 χ^2/NDF: 1405343.4/32

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

Right Out: 24.696+/-0.004 χ^2/NDF: 1241856.2/34

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

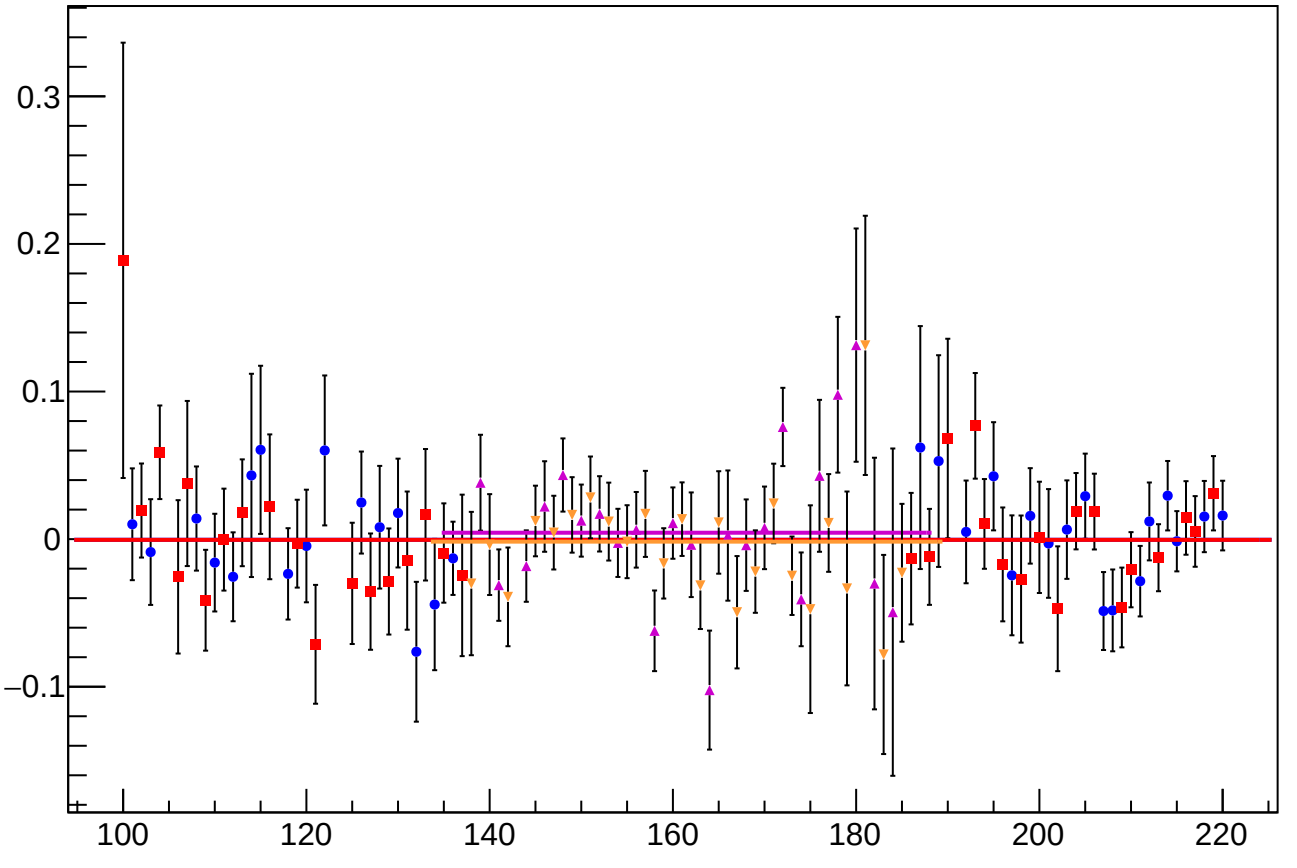
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 24.325+/-0.003 χ^2/NDF: 2663504.4/67

In: 24.230+/-0.003 χ^2/NDF:3547886.6/55

Out: 24.506+/-0.003 χ^2/NDF:3557391.8/58

All: 24.367+/-0.002 χ^2/NDF: 7109526.0/114



Right In: -0.000+/-0.006 χ^2/NDF: 24.0/32

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

Right Out: -0.000+/-0.006 χ^2/NDF: 28.4/34

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

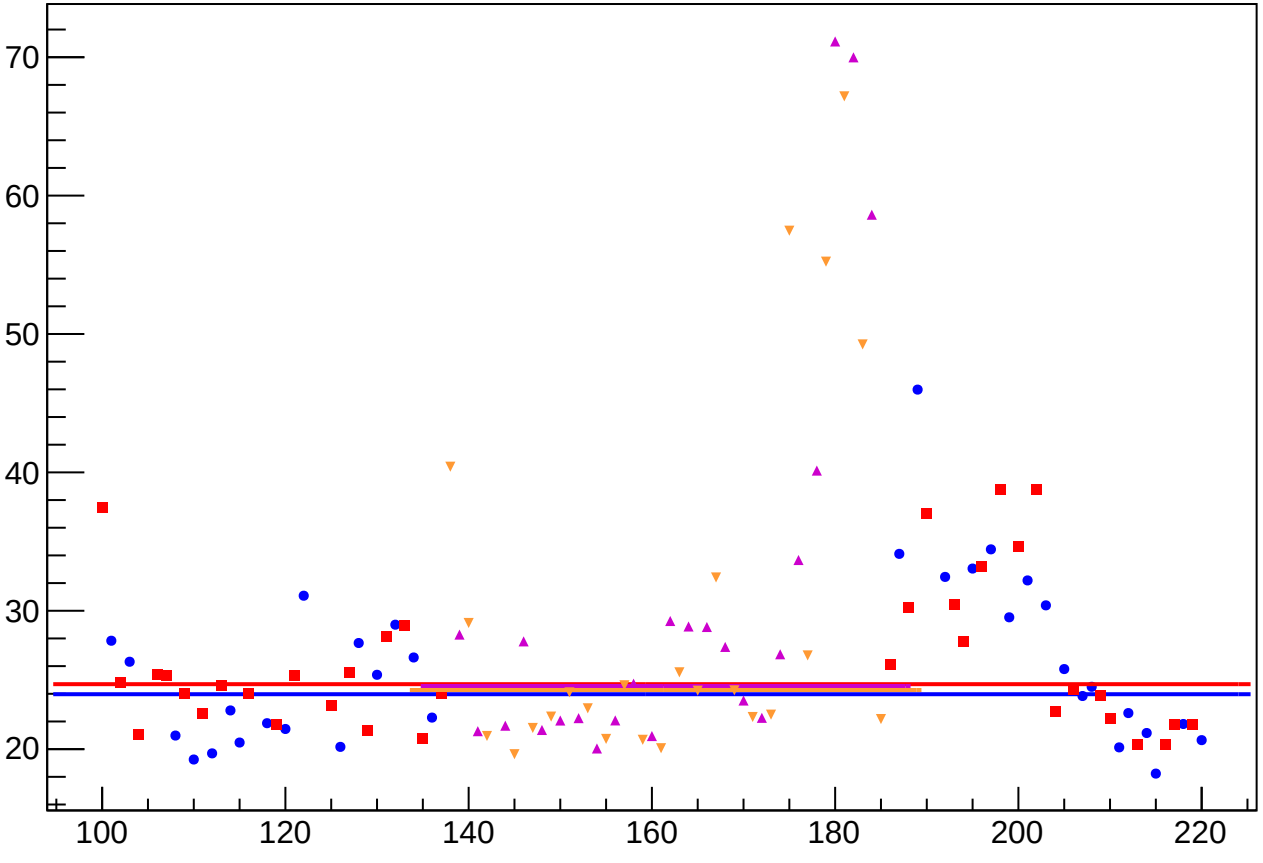
Right: -0.000+/-0.004 χ^2/NDF: 52.4/67

In: 0.002+/-0.004 χ^2/NDF:60.9/55

Out: -0.001+/-0.004 χ^2/NDF:43.0/58

All: 0.000+/-0.003 χ^2/NDF: 104.1/114

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.970+/-0.004 χ^2/NDF: 1405343.4/32

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

Right Out: 24.696+/-0.004 χ^2/NDF: 1241856.2/34

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

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

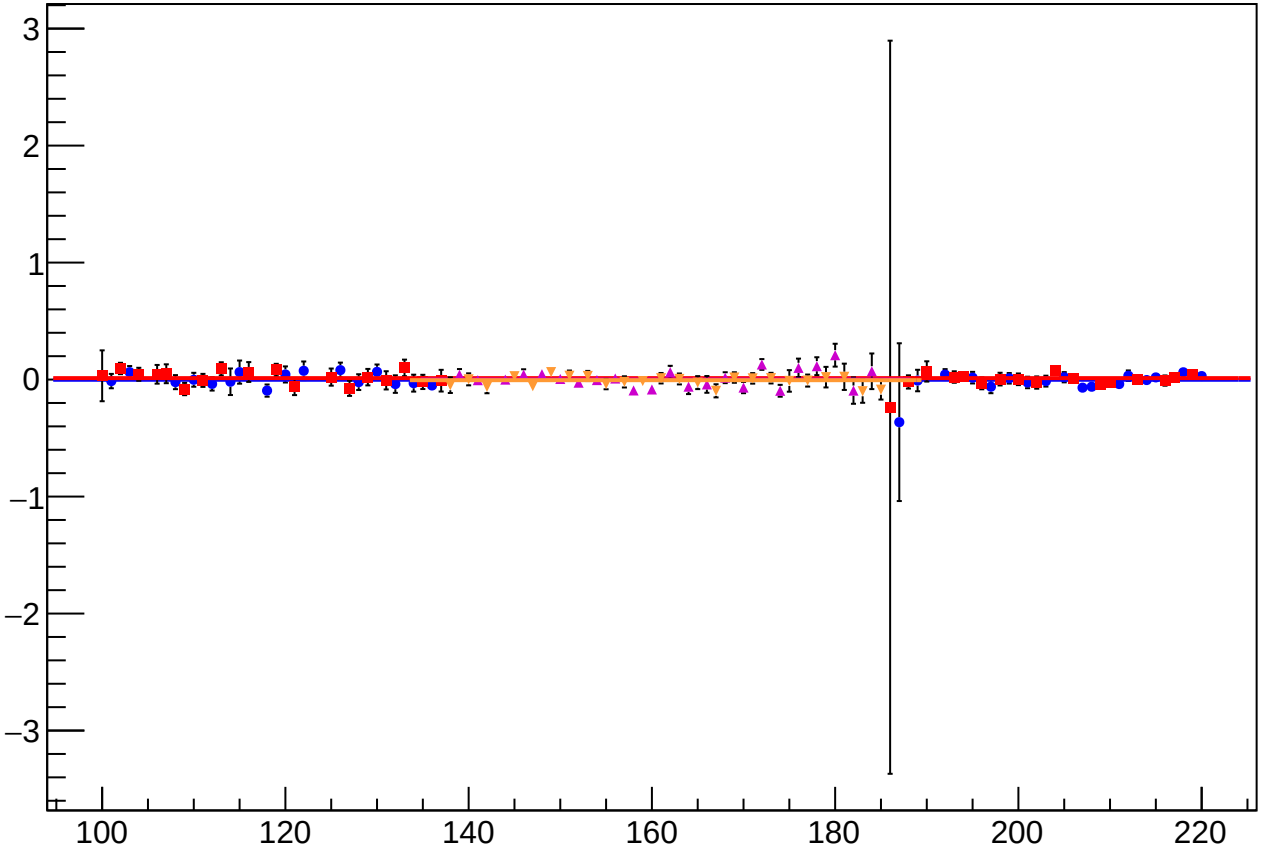
Right: 24.325+/-0.003 χ^2/NDF: 2663504.4/67

In: 24.230+/-0.003 χ^2/NDF:3547886.6/55

Out: 24.506+/-0.003 χ^2/NDF:3557391.8/58

All: 24.367+/-0.002 χ^2/NDF: 7109526.0/114

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 24.2/32

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

Right Out: 0.012+/-0.009 χ^2/NDF: 24.0/34

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

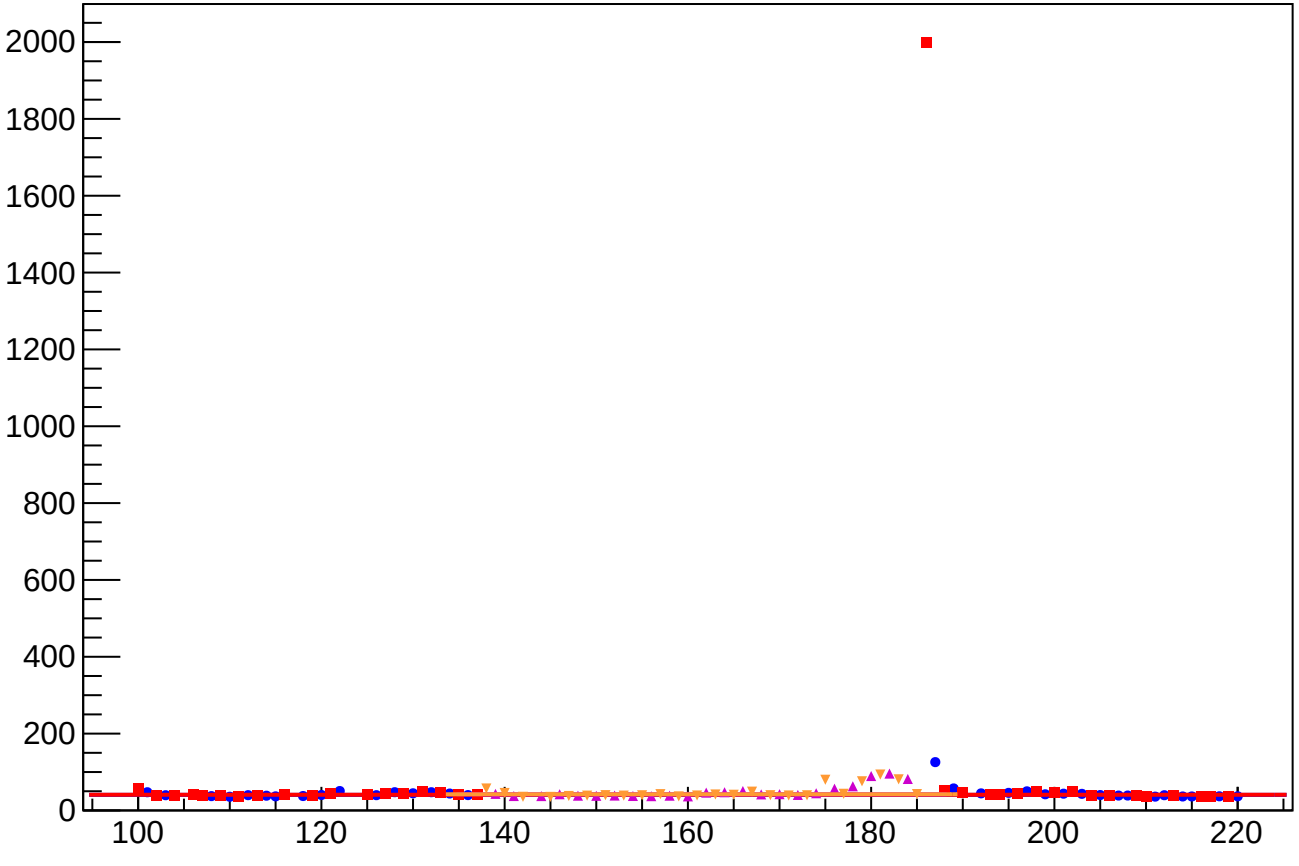
Right: 0.005+/-0.006 χ^2/NDF: 49.4/67

In: -0.001+/-0.007 χ^2/NDF:62.2/55

Out: 0.005+/-0.007 χ^2/NDF:39.5/58

All: 0.002+/-0.005 χ^2/NDF: 102.0/114

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.516+/-0.006 χ^2/NDF: 458512.6/32

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

Right Out: 40.870+/-0.007 χ^2/NDF: 1200217.9/34

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

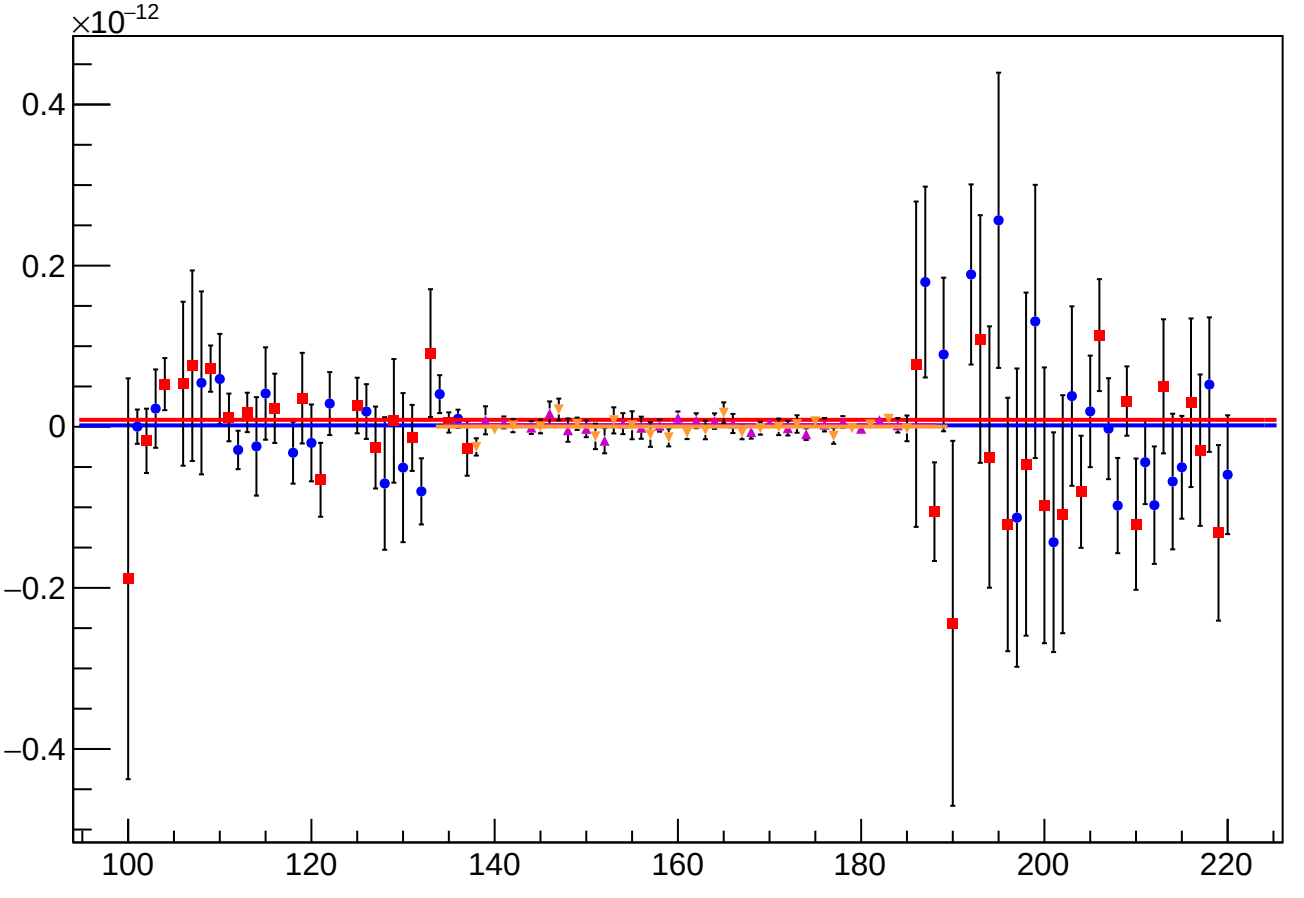
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 40.691+/-0.005 χ^2/NDF: 1660220.1/67

In: 41.194+/-0.005 χ^2/NDF:2027498.9/55

Out: 41.407+/-0.005 χ^2/NDF:2931620.4/58

All: 41.300+/-0.003 χ^2/NDF: 4960071.7/114



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/34

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

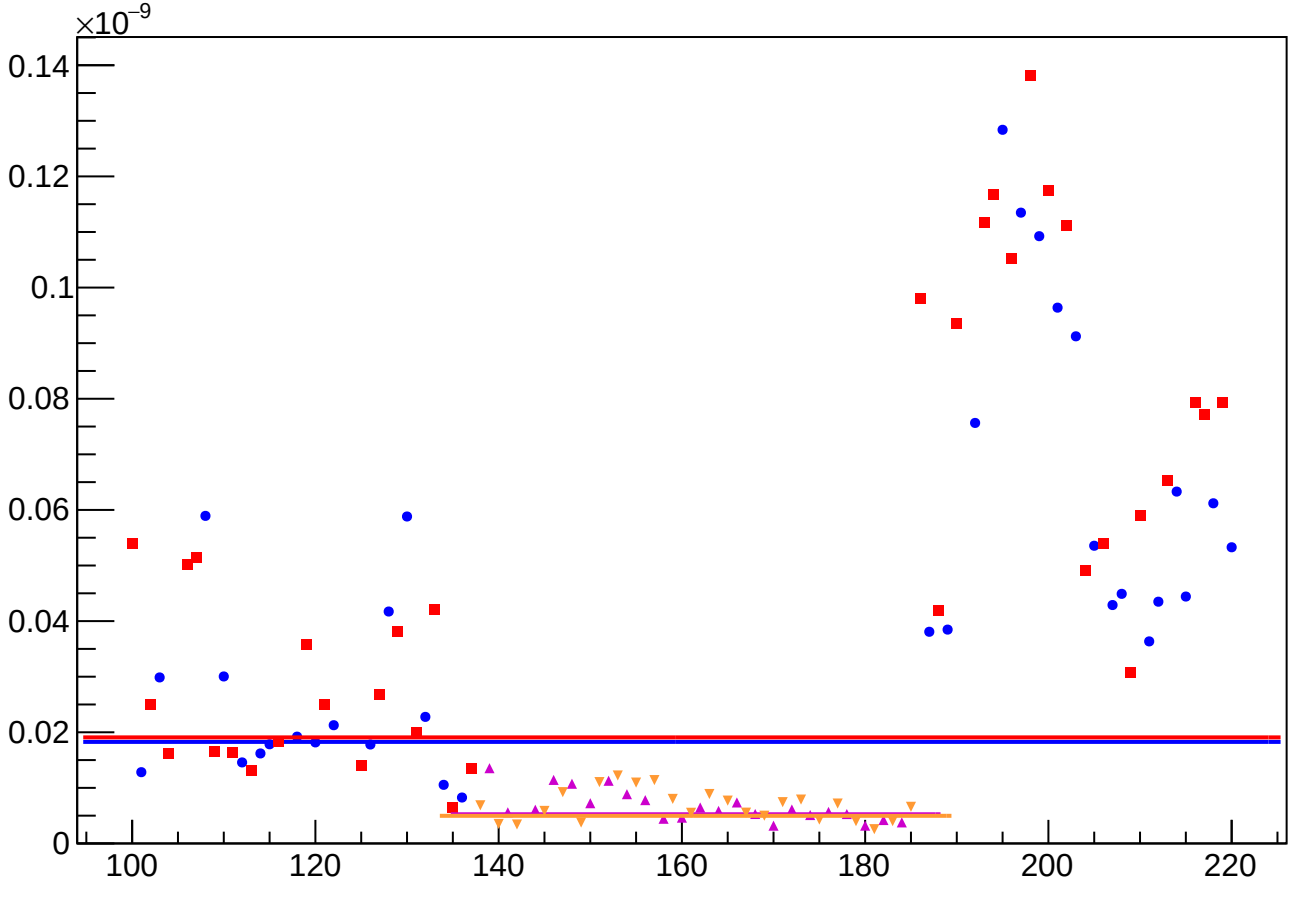
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 62.9/67

In: 0.000+/-0.000 χ^2/NDF:43.5/55

Out: 0.000+/-0.000 χ^2/NDF:53.1/58

All: 0.000+/-0.000 χ^2/NDF: 96.9/114



Right In: 0.000+/-0.000 χ^2/NDF: 10600622.0/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 12320012.9/34

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

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

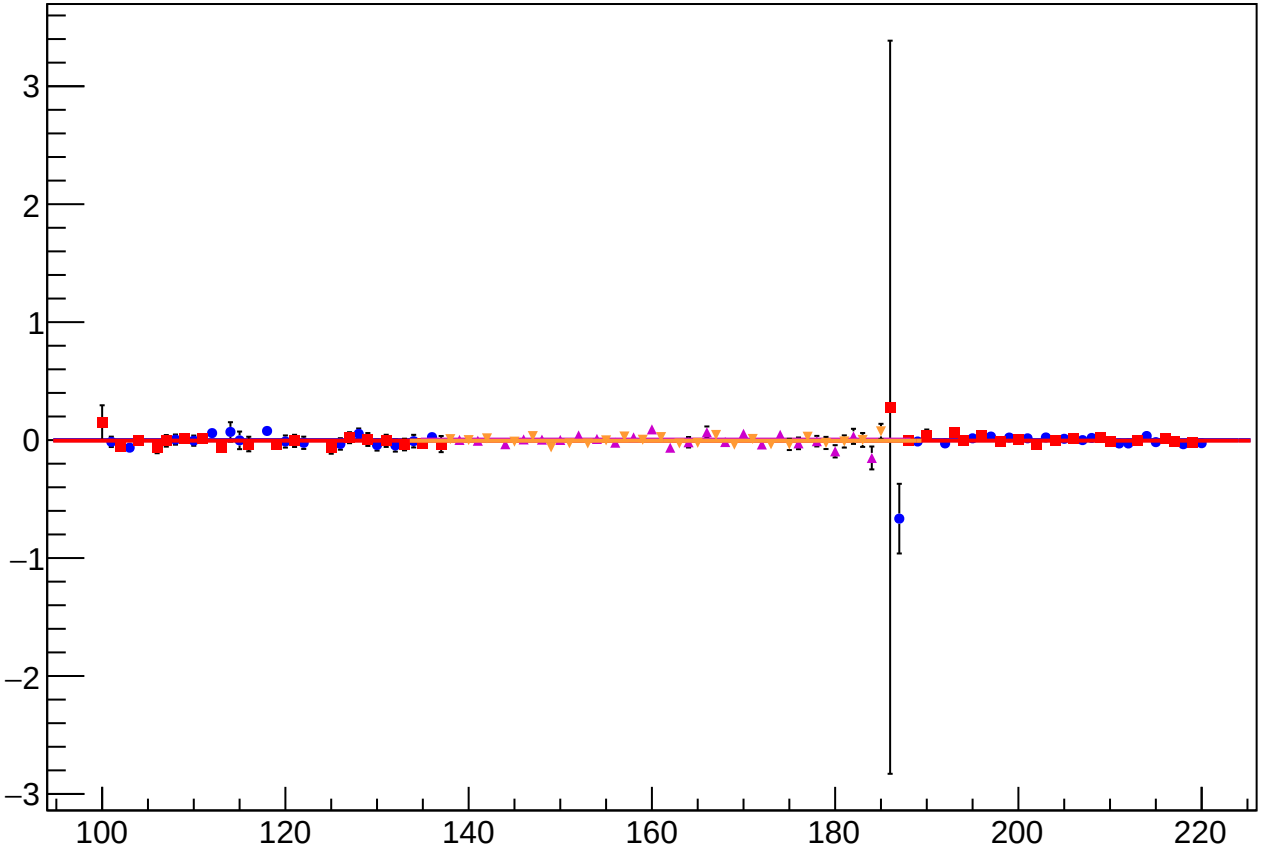
Right: 0.000+/-0.000 χ^2/NDF: 22933612.9/67

In: 0.000+/-0.000 χ^2/NDF:19879748.4/55

Out: 0.000+/-0.000 χ^2/NDF:22880548.7/58

All: 0.000+/-0.000 χ^2/NDF: 42806169.2/114

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.006 χ^2/NDF: 31.3/32

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

Right Out: -0.005+/-0.006 χ^2/NDF: 24.4/34

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

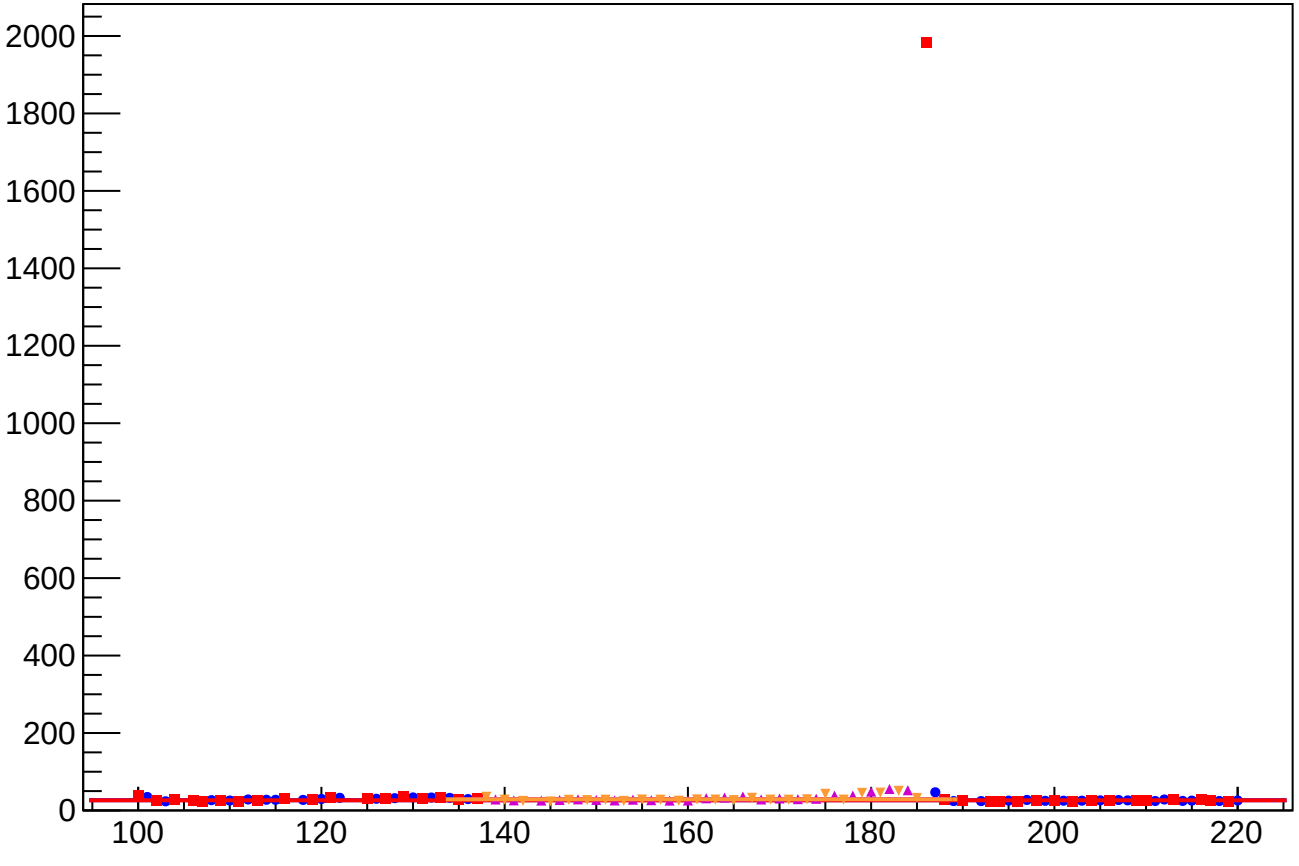
Right: -0.002+/-0.004 χ^2/NDF: 56.0/67

In: 0.002+/-0.005 χ^2/NDF:62.8/55

Out: -0.005+/-0.005 χ^2/NDF:41.2/58

All: -0.002+/-0.003 χ^2/NDF: 104.9/114

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.534+/-0.004 χ^2/NDF: 383235.1/32

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

Right Out: 26.238+/-0.004 χ^2/NDF: 1163783.3/34

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

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

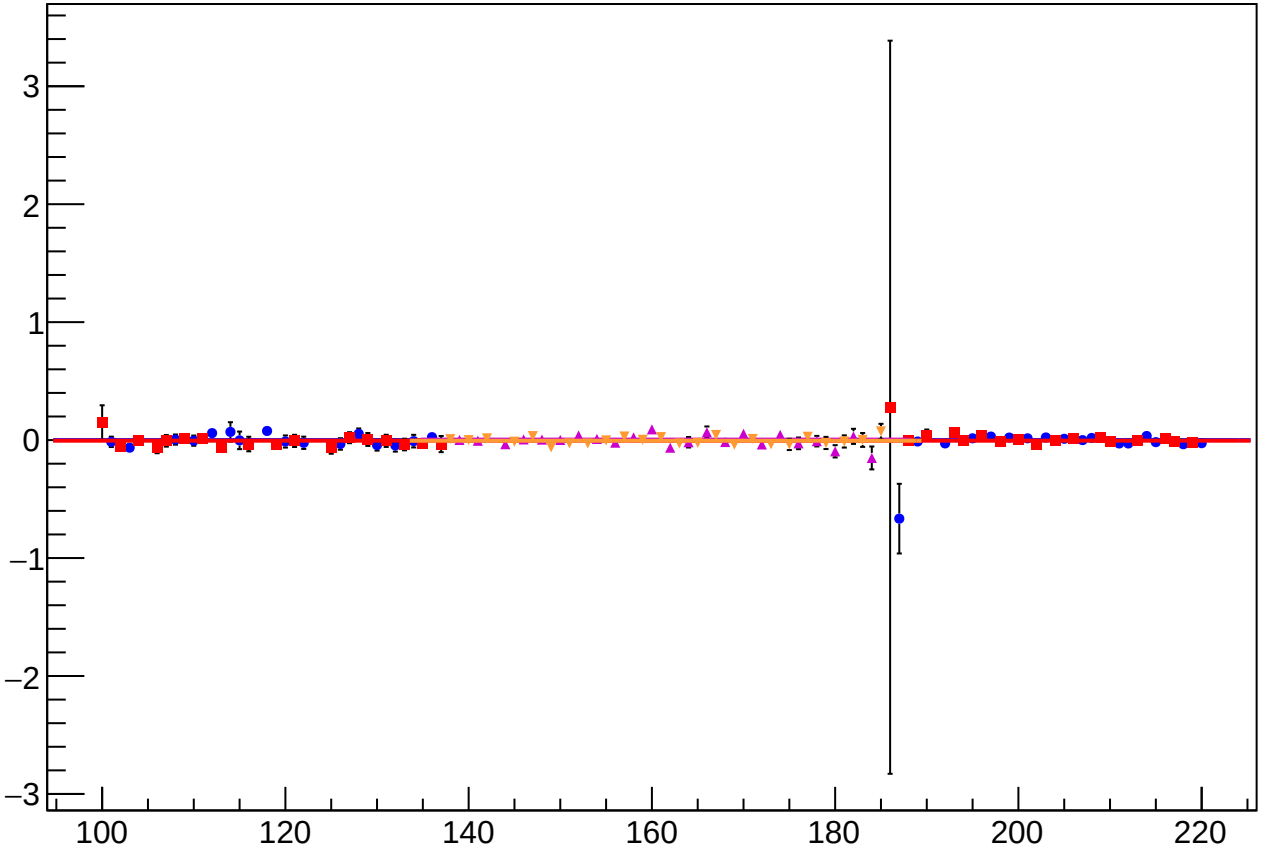
Right: 26.386+/-0.003 χ^2/NDF: 1549414.0/67

In: 27.663+/-0.003 χ^2/NDF:1691610.3/55

Out: 27.311+/-0.003 χ^2/NDF:2484421.3/58

All: 27.486+/-0.002 χ^2/NDF: 4181878.2/114

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.006 χ^2/NDF: 31.3/32

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

Right Out: -0.005+/-0.006 χ^2/NDF: 24.4/34

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

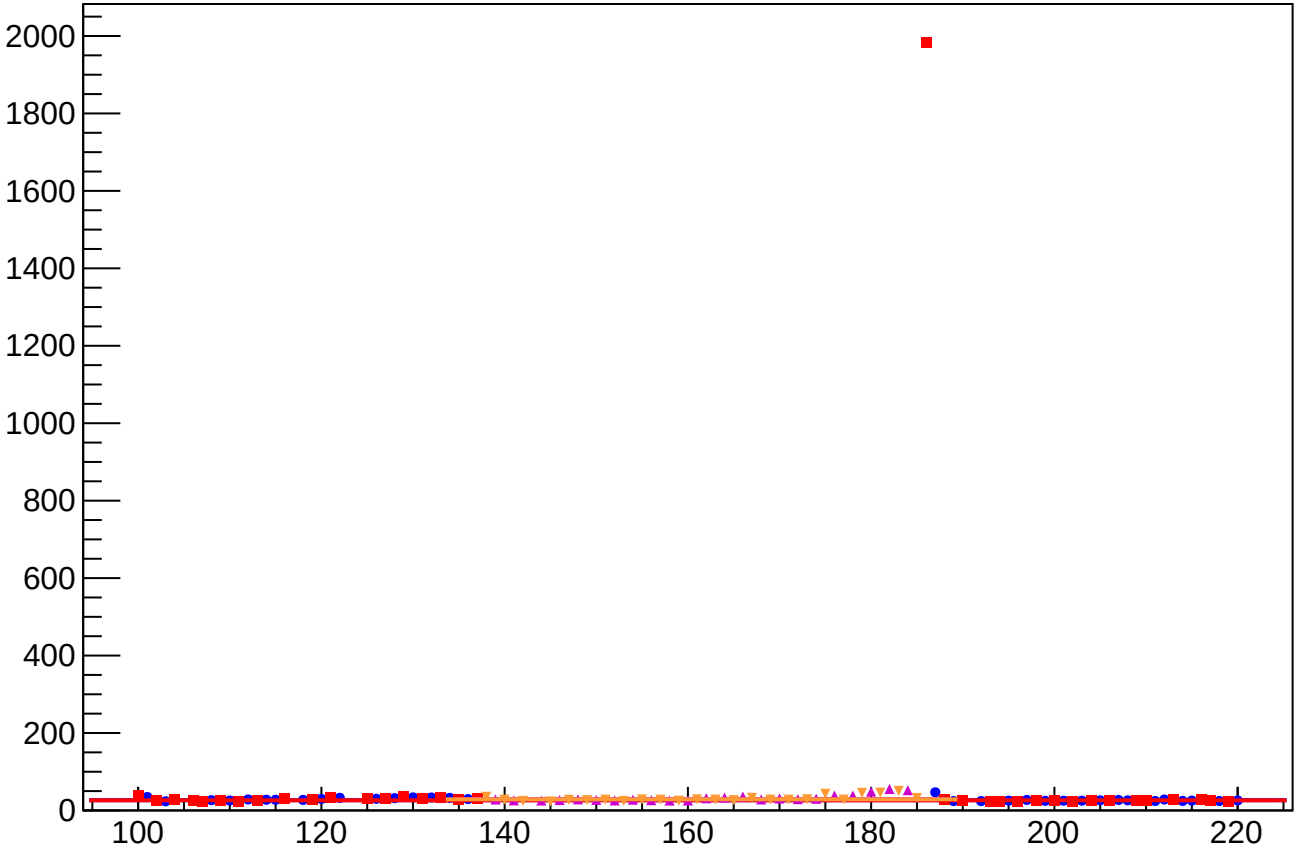
Right: -0.002+/-0.004 χ^2/NDF: 56.0/67

In: 0.002+/-0.005 χ^2/NDF:62.8/55

Out: -0.005+/-0.005 χ^2/NDF:41.2/58

All: -0.002+/-0.003 χ^2/NDF: 104.9/114

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.534+/-0.004 χ^2/NDF: 383235.1/32

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

Right Out: 26.238+/-0.004 χ^2/NDF: 1163783.3/34

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

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

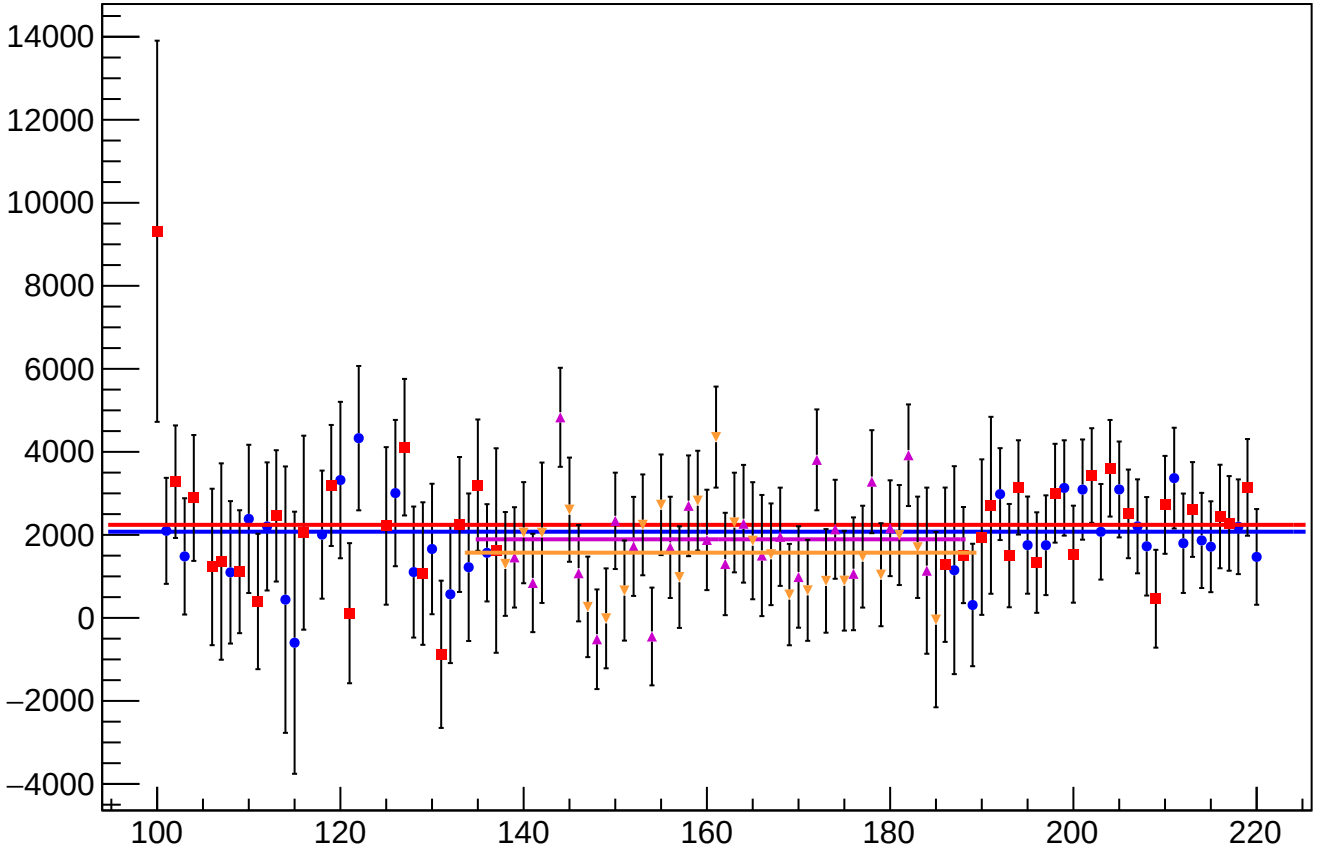
Right: 26.386+/-0.003 χ^2/NDF: 1549414.0/67

In: 27.663+/-0.003 χ^2/NDF:1691610.3/55

Out: 27.311+/-0.003 χ^2/NDF:2484421.3/58

All: 27.486+/-0.002 χ^2/NDF: 4181878.2/114

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2076.487+/-237.355 χ^2/NDF: 12.0/32

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

Right Out: 2241.834+/-237.072 χ^2/NDF: 21.5/35

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

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

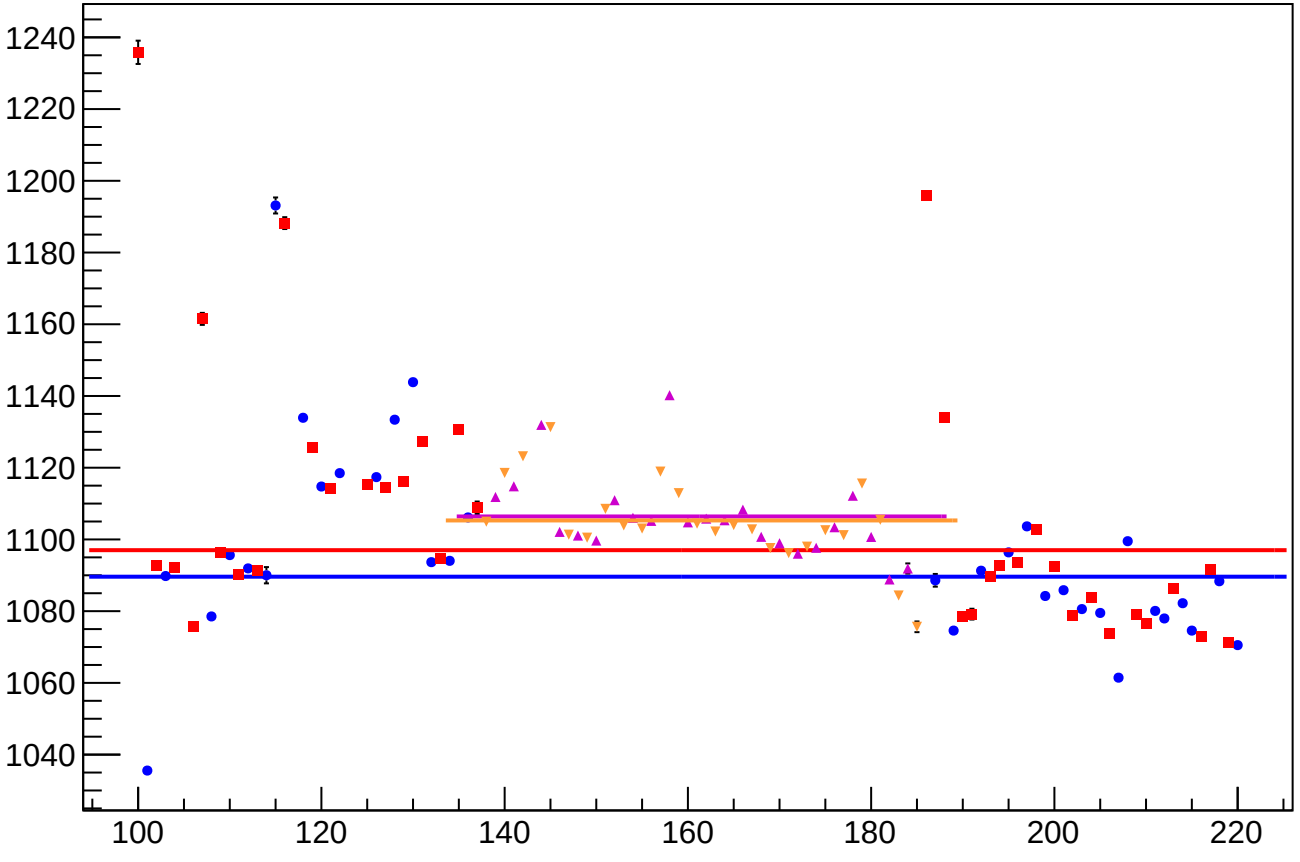
Right: 2159.259+/-167.735 χ^2/NDF: 33.8/68

In: 1992.656+/-174.784 χ^2/NDF:36.4/55

Out: 1932.853+/-174.110 χ^2/NDF:40.6/59

All: 1962.639+/-123.352 χ^2/NDF: 77.0/115

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1089.610+/-0.168 χ^2/NDF: 16832.0/32

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

Right Out: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

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

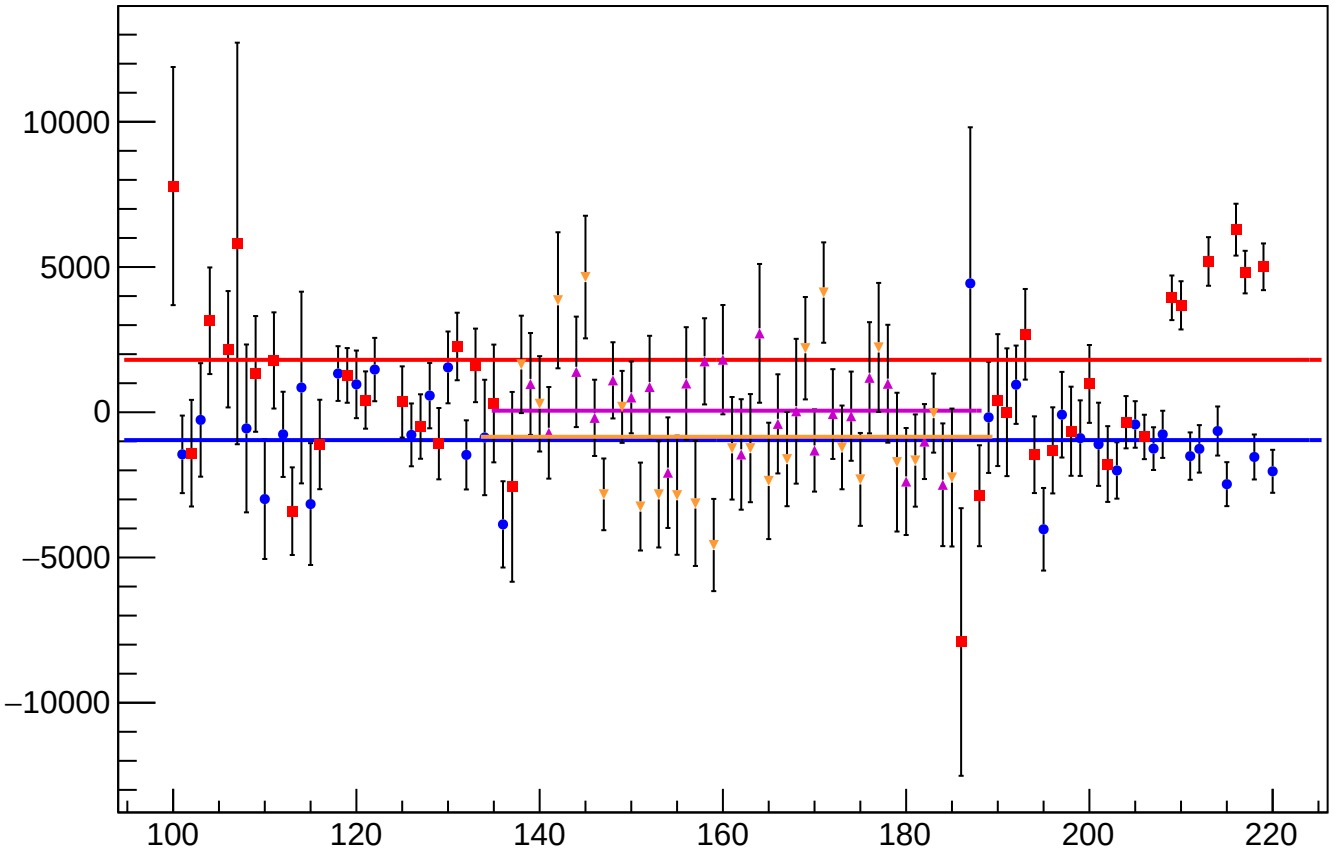
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.312+/-0.119 χ^2/NDF: 40664.7/68

In: 1097.298+/-0.124 χ^2/NDF:25192.0/55

Out: 1100.823+/-0.123 χ^2/NDF:27148.8/59

All: 1099.068+/-0.087 χ^2/NDF: 52749.2/115



Right In: -958.541+/-192.829 χ^2/NDF: 43.7/32

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

Right Out: 1804.413+/-202.557 χ^2/NDF: 176.8/35

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

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

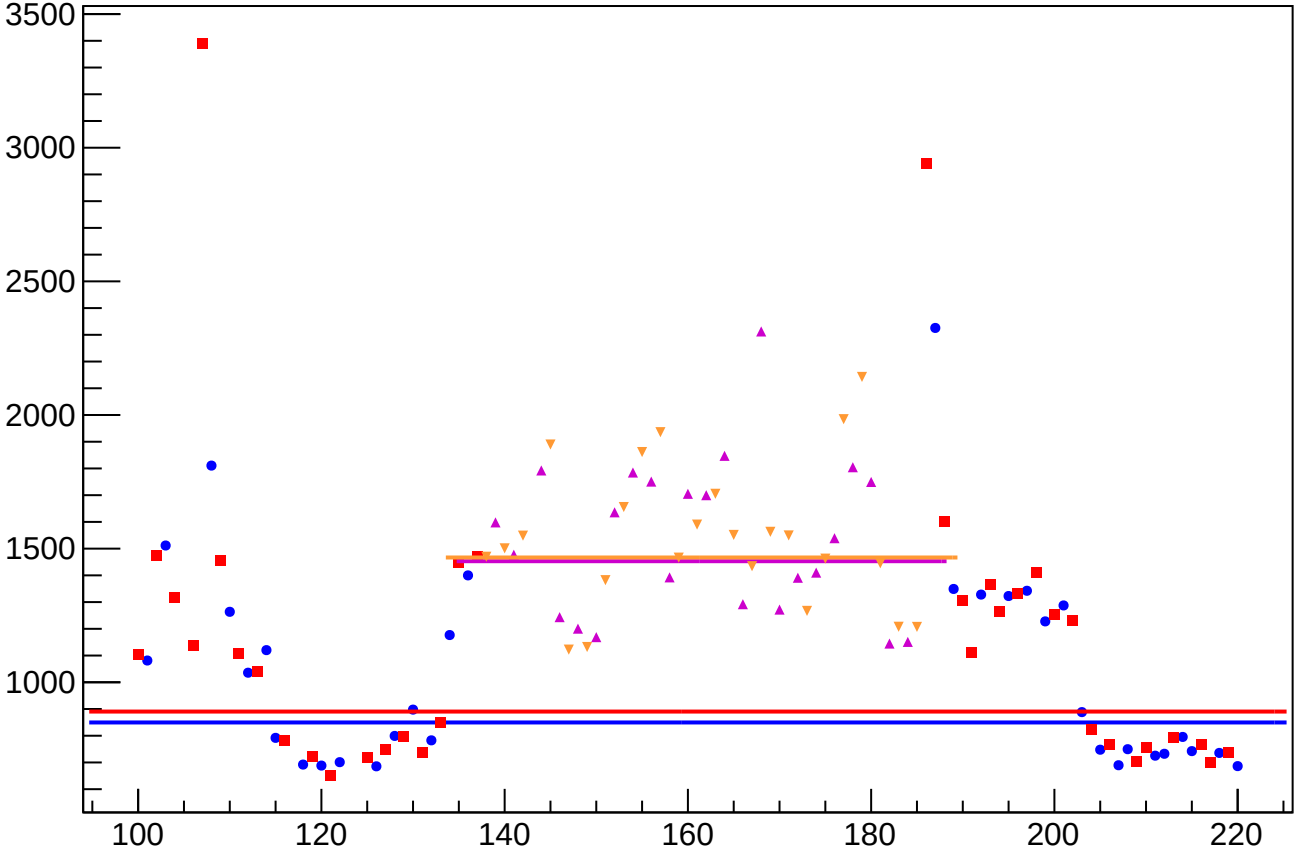
Right: 354.995+/-139.663 χ^2/NDF: 318.1/68

In: -718.460+/-168.433 χ^2/NDF:63.3/55

Out: 1132.157+/-174.978 χ^2/NDF:264.4/59

All: 171.589+/-121.348 χ^2/NDF: 385.7/115

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 849.628+/-0.136 χ^2/NDF: 2935516.1/32

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

Right Out: 890.427+/-0.143 χ^2/NDF: 3707875.4/35

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

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

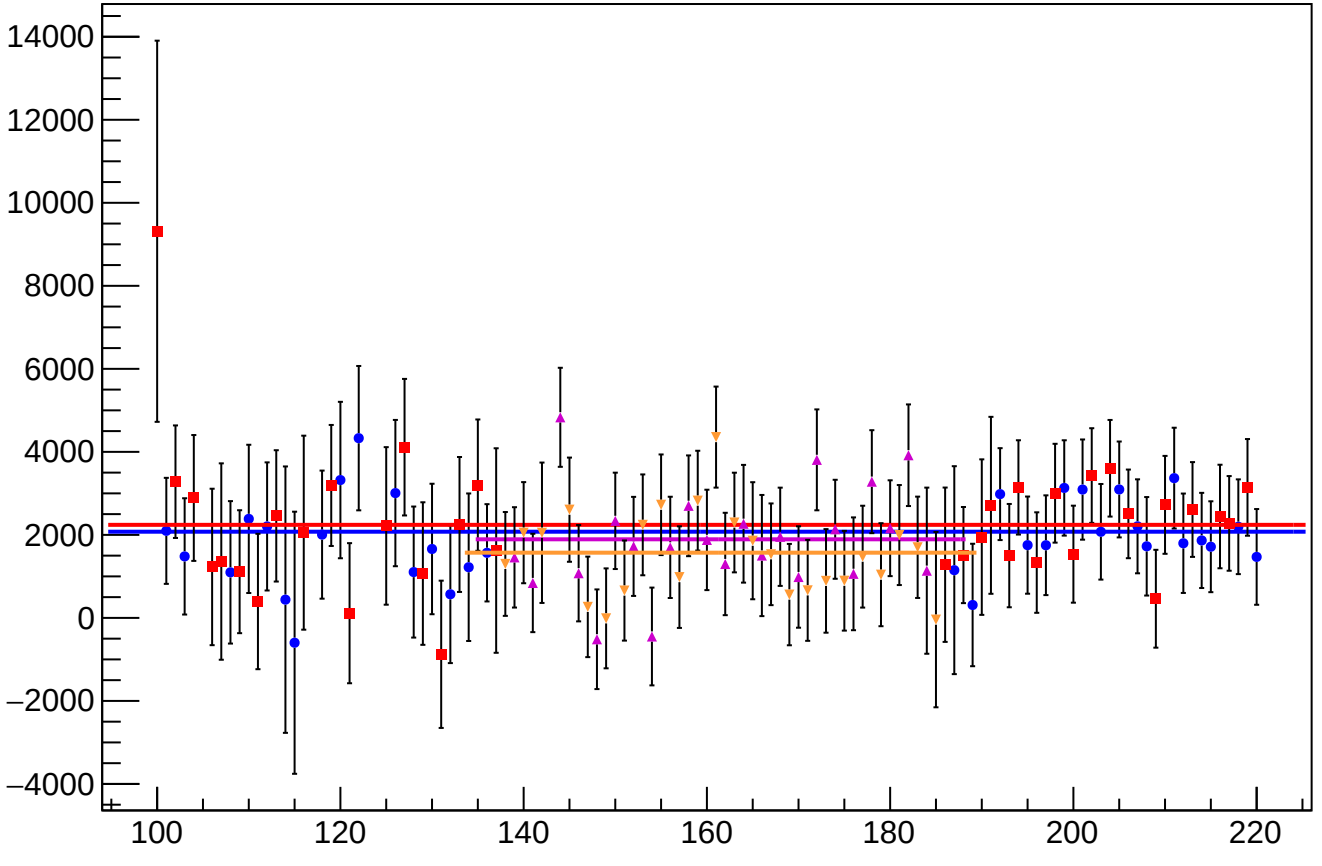
Right: 869.024+/-0.099 χ^2/NDF: 6685957.6/68

In: 992.639+/-0.119 χ^2/NDF:8706261.0/55

Out: 1036.706+/-0.124 χ^2/NDF:8861277.7/59

All: 1013.833+/-0.086 χ^2/NDF: 17633380.1/1

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2076.487+/-237.355 χ^2/NDF: 12.0/32

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

Right Out: 2241.827+/-237.072 χ^2/NDF: 21.5/35

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

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

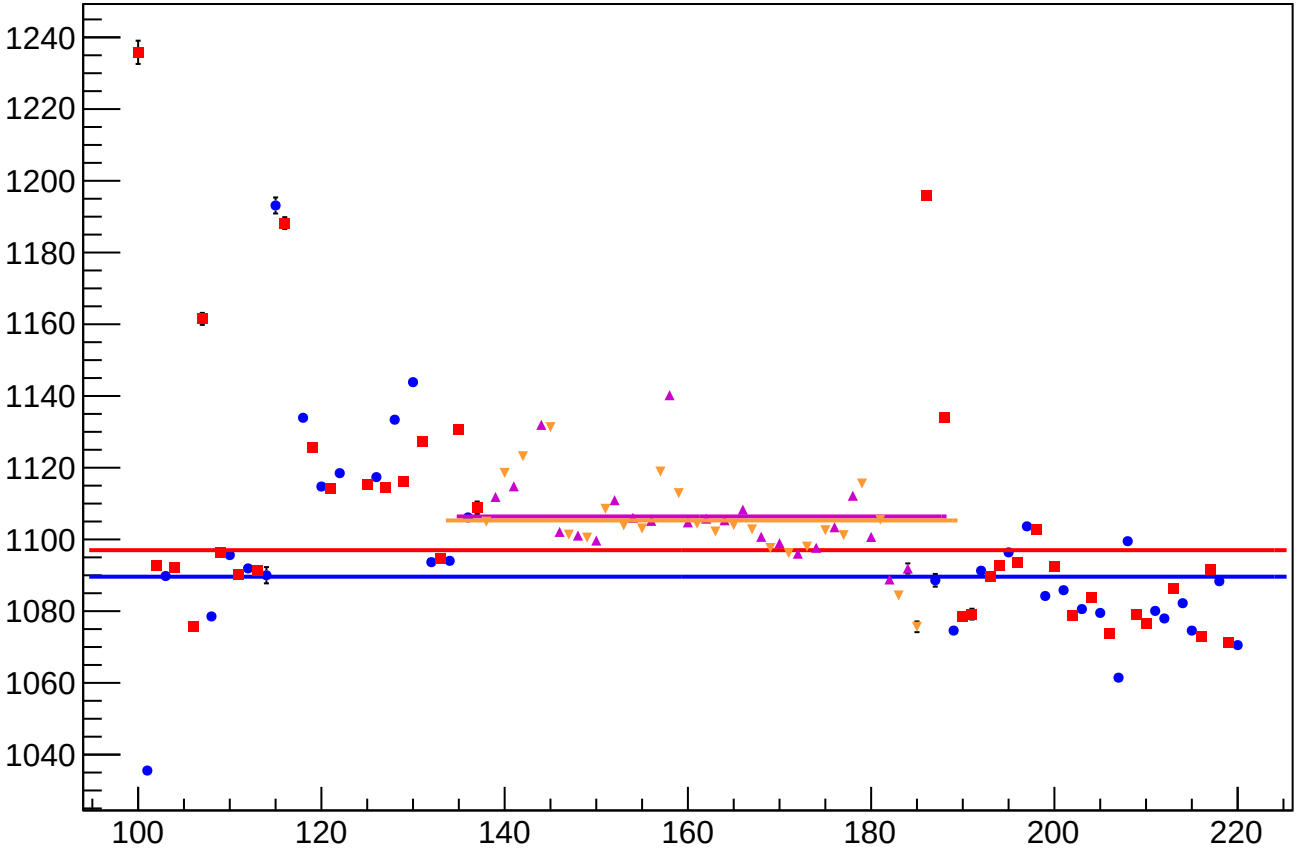
Right: 2159.256+/-167.735 χ^2/NDF: 33.8/68

In: 1992.656+/-174.784 χ^2/NDF:36.4/55

Out: 1932.850+/-174.110 χ^2/NDF:40.6/59

All: 1962.638+/-123.352 χ^2/NDF: 77.0/115

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1089.610+/-0.168 χ^2/NDF: 16832.0/32

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

Right Out: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

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

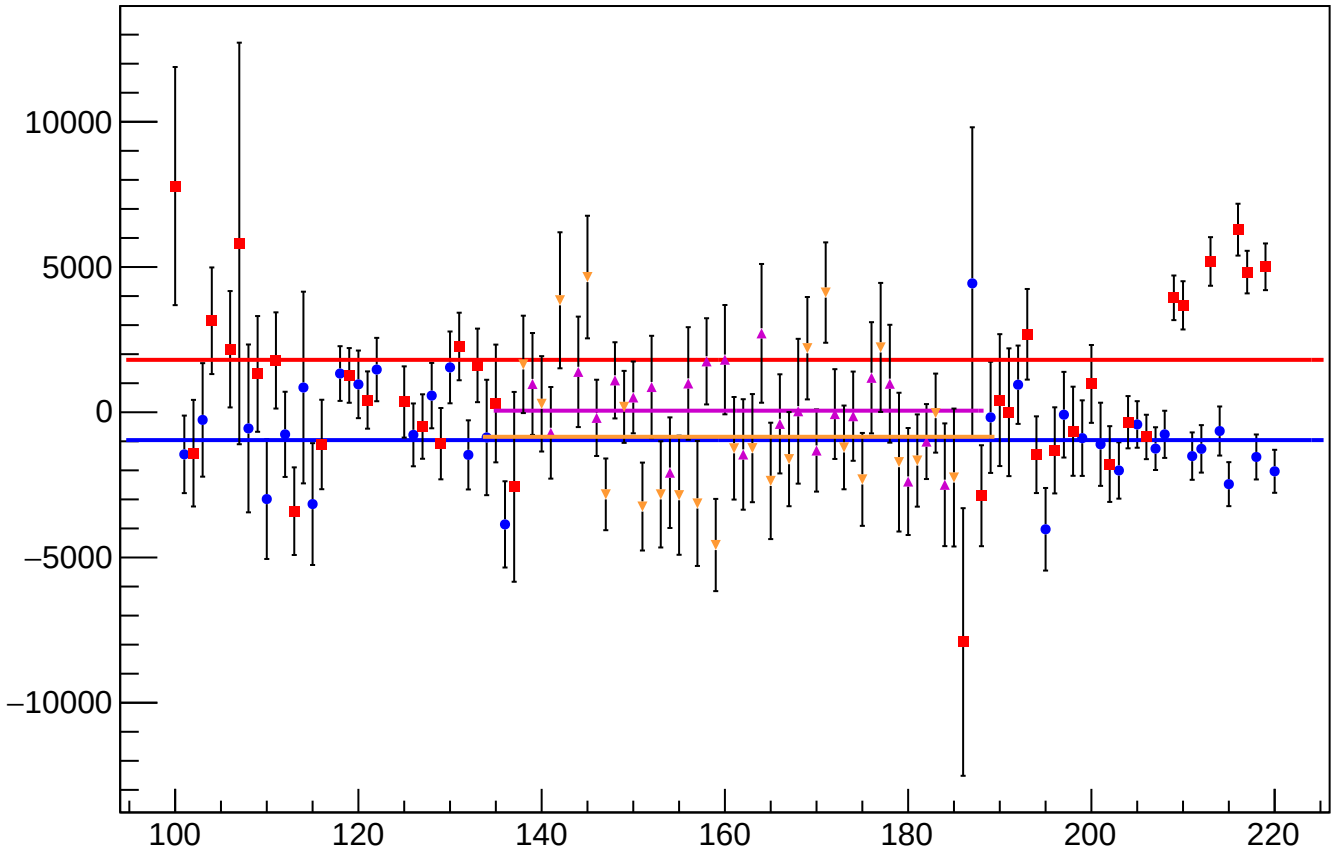
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.312+/-0.119 χ^2/NDF: 40664.7/68

In: 1097.298+/-0.124 χ^2/NDF:25192.0/55

Out: 1100.823+/-0.123 χ^2/NDF:27148.8/59

All: 1099.068+/-0.087 χ^2/NDF: 52749.2/115



Right In: -958.541+/-192.829 χ^2/NDF: 43.7/32

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

Right Out: 1804.412+/-202.557 χ^2/NDF: 176.8/35

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

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

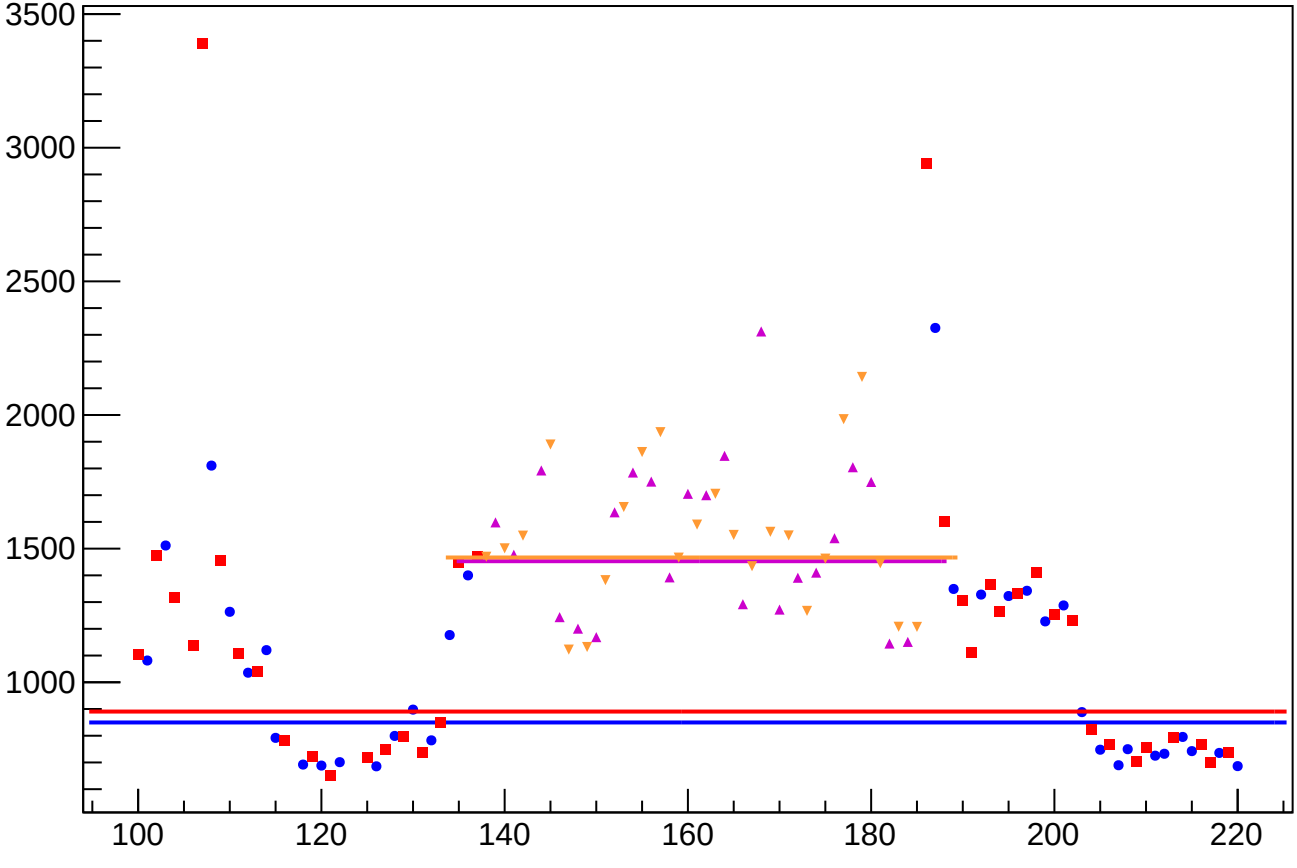
Right: 354.995+/-139.663 χ^2/NDF: 318.1/68

In: -718.460+/-168.433 χ^2/NDF:63.3/55

Out: 1132.156+/-174.978 χ^2/NDF:264.4/59

All: 171.589+/-121.348 χ^2/NDF: 385.7/115

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 849.628+/-0.136 χ^2/NDF: 2935516.1/32

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

Right Out: 890.427+/-0.143 χ^2/NDF: 3707873.5/35

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

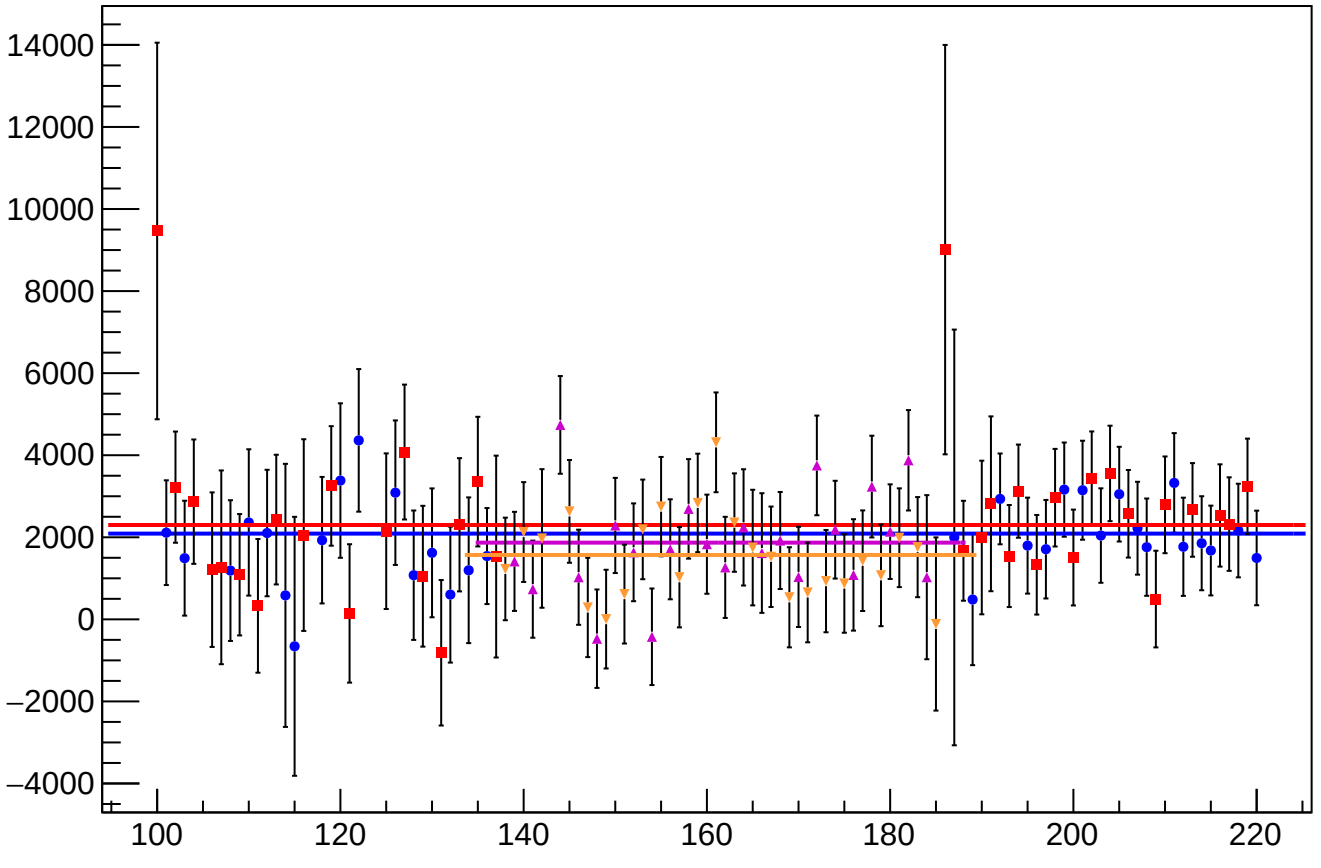
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 869.024+/-0.099 χ^2/NDF: 6685955.6/68

In: 992.639+/-0.119 χ^2/NDF:8706261.0/55

Out: 1036.706+/-0.124 χ^2/NDF:8861276.9/59

All: 1013.833+/-0.086 χ^2/NDF: 17633379.2/



Right In: 2089.488+/-238.475 χ^2/NDF: 11.5/32

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

Right Out: 2299.363+/-239.111 χ^2/NDF: 23.1/35

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

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

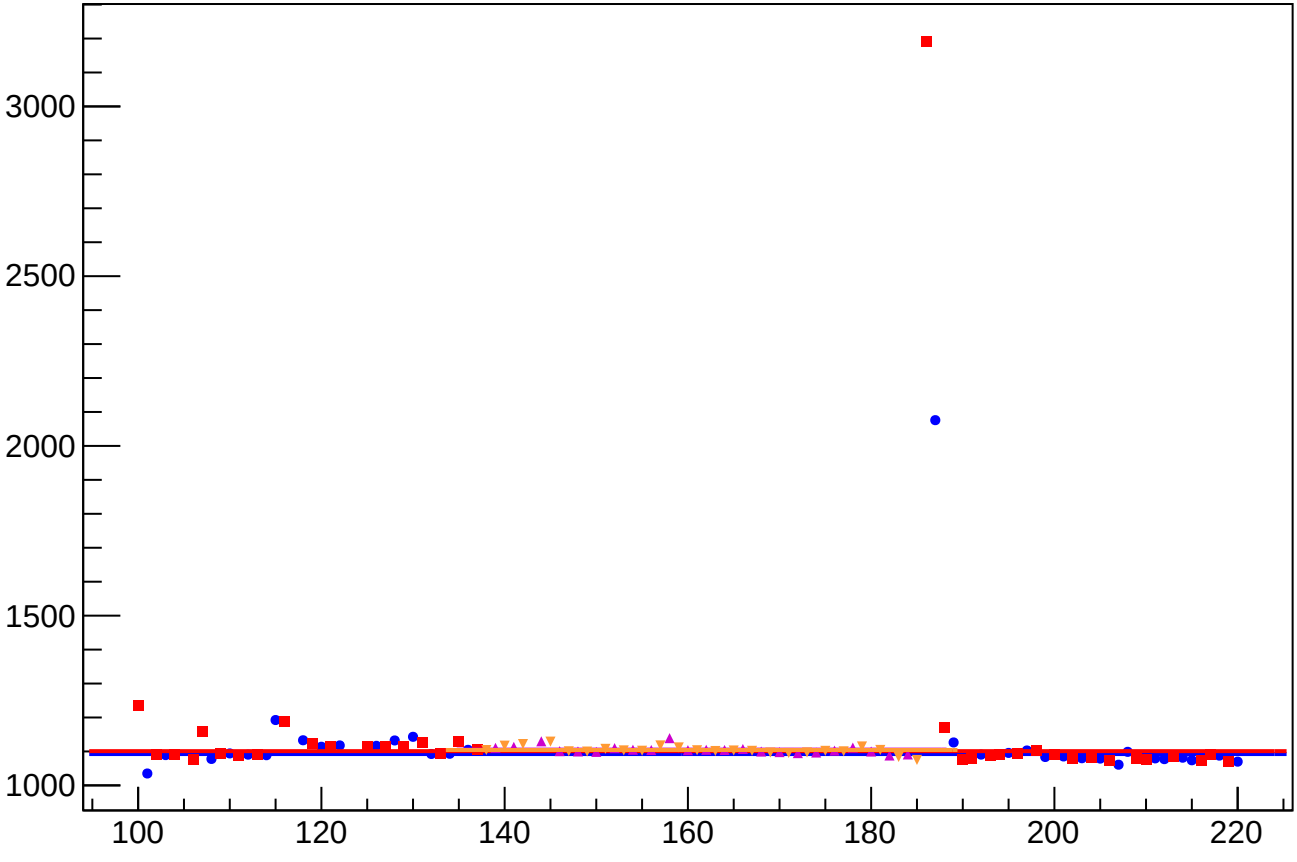
Right: 2194.146+/-168.851 χ^2/NDF: 35.0/68

In: 1988.102+/-175.154 χ^2/NDF:35.3/55

Out: 1959.385+/-174.836 χ^2/NDF:42.9/59

All: 1973.717+/-123.740 χ^2/NDF: 78.2/115

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1092.306+/-0.169 χ^2/NDF: 93080.0/32

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

Right Out: 1100.864+/-0.169 χ^2/NDF: 374299.0/35

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

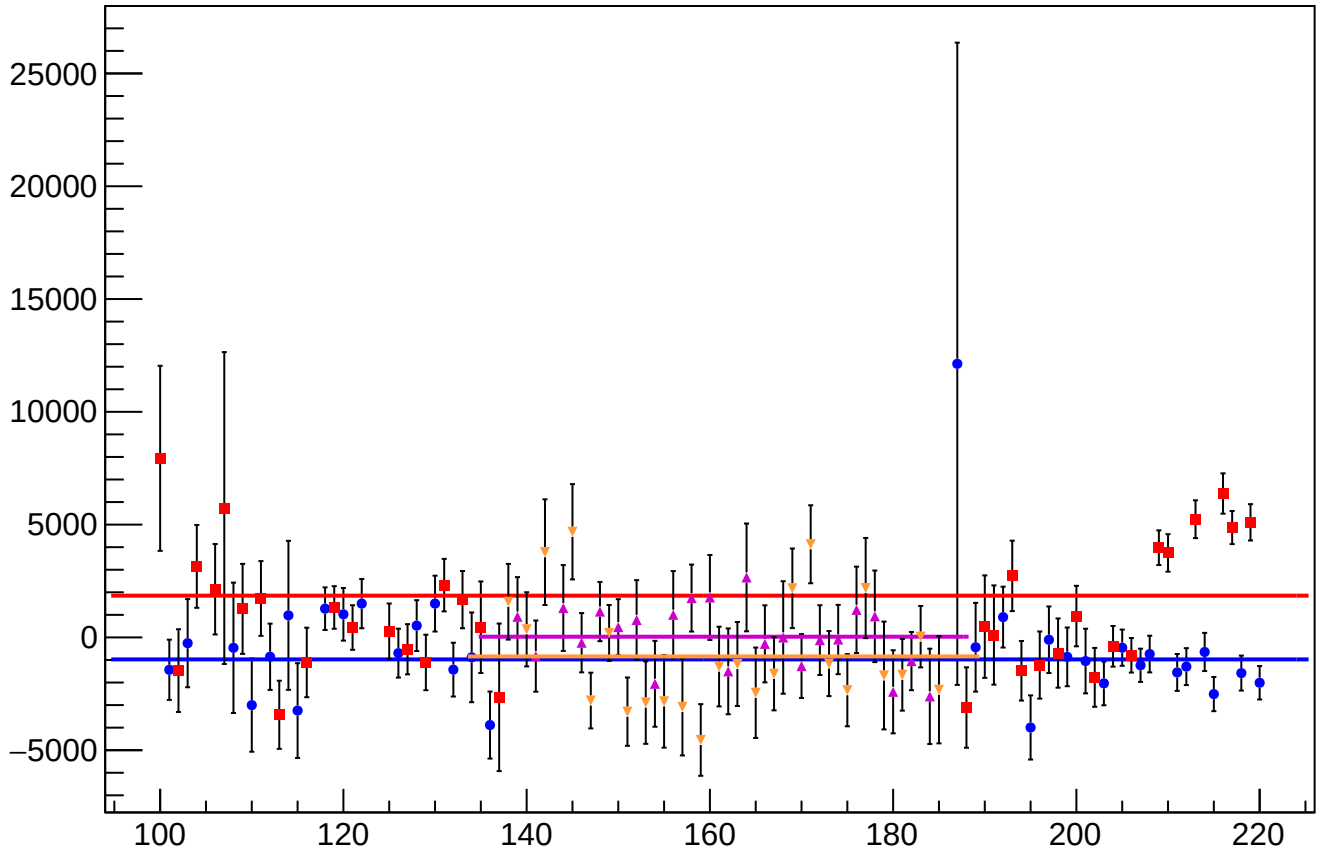
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1096.574+/-0.119 χ^2/NDF: 468663.4/68

In: 1098.327+/-0.124 χ^2/NDF:99509.7/55

Out: 1102.444+/-0.124 χ^2/NDF:377485.7/59

All: 1100.389+/-0.087 χ^2/NDF: 477548.6/115



Right In: -975.082+/-193.220 χ^2/NDF: 43.3/32

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

Right Out: 1851.161+/-203.065 χ^2/NDF: 176.1/34

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

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

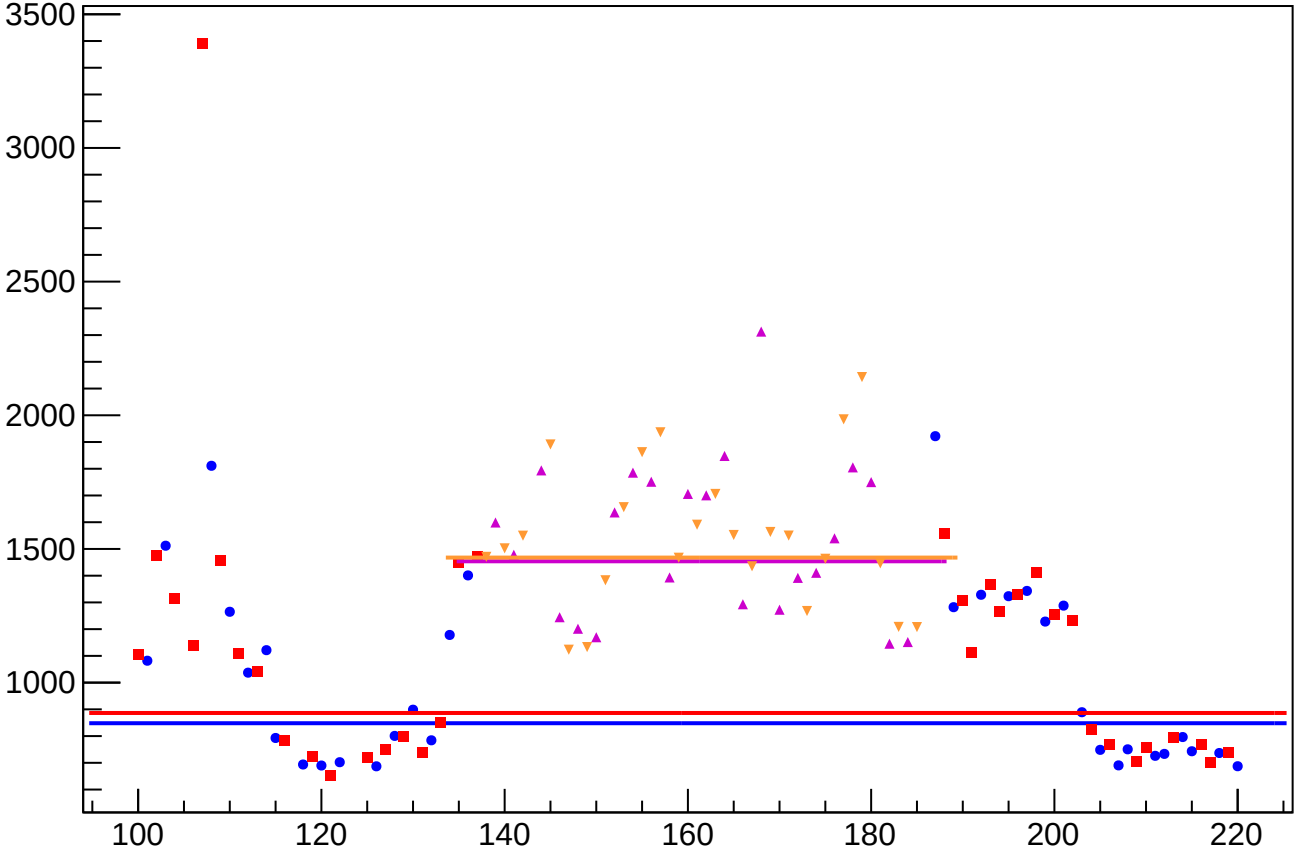
Right: 367.865+/-139.978 χ^2/NDF: 321.1/67

In: -735.988+/-168.715 χ^2/NDF:62.8/55

Out: 1165.395+/-175.330 χ^2/NDF:265.0/58

All: 178.162+/-121.571 χ^2/NDF: 388.9/114

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 848.113+/-0.137 χ^2/NDF: 2749181.2/32

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

Right Out: 886.415+/-0.144 χ^2/NDF: 3244594.3/34

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

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

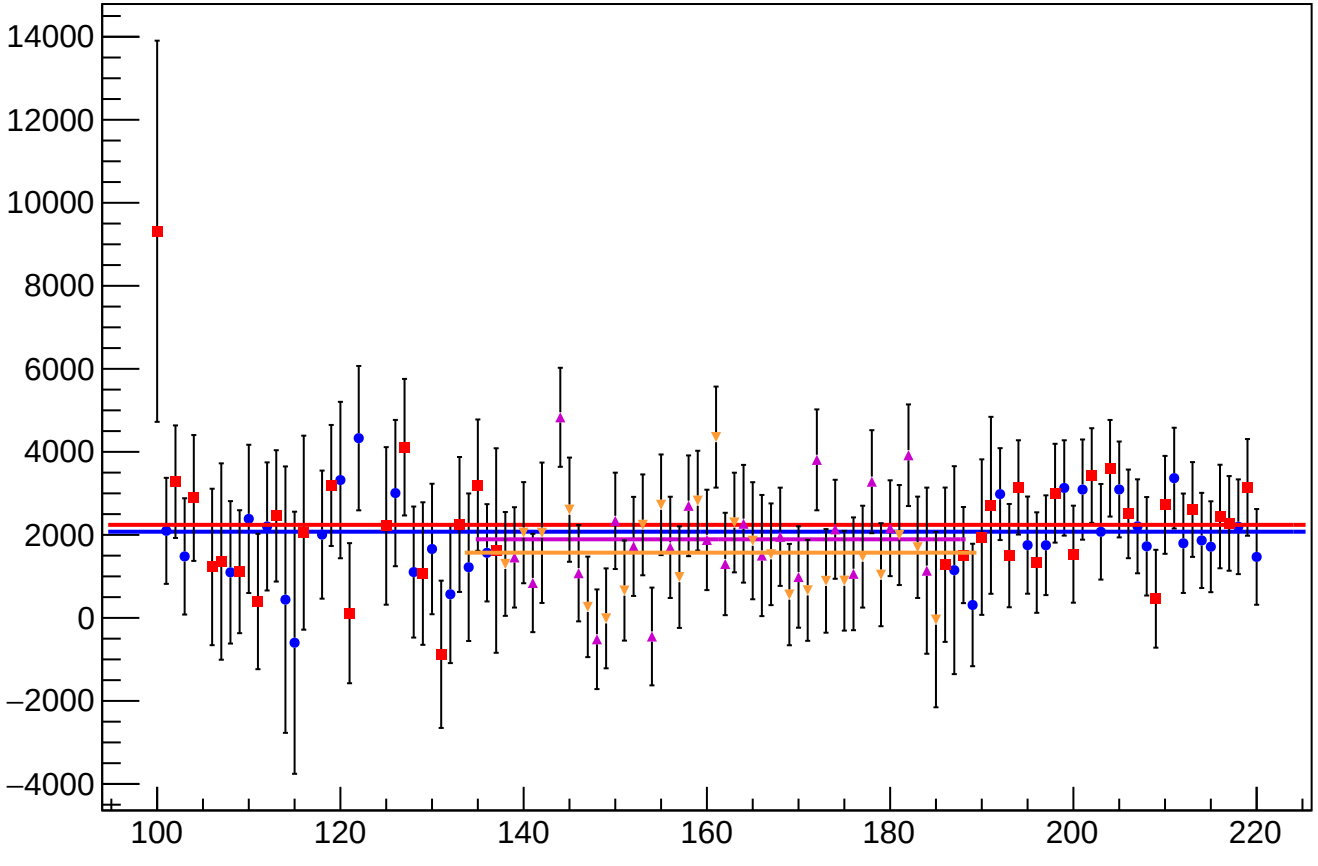
Right: 866.313+/-0.099 χ^2/NDF: 6031119.1/67

In: 992.007+/-0.119 χ^2/NDF:8546352.7/55

Out: 1034.358+/-0.124 χ^2/NDF:8457466.5/58

All: 1012.368+/-0.086 χ^2/NDF: 17064410.1/1

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2076.487+/-237.355 χ^2/NDF: 12.0/32

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

Right Out: 2241.827+/-237.072 χ^2/NDF: 21.5/35

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

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

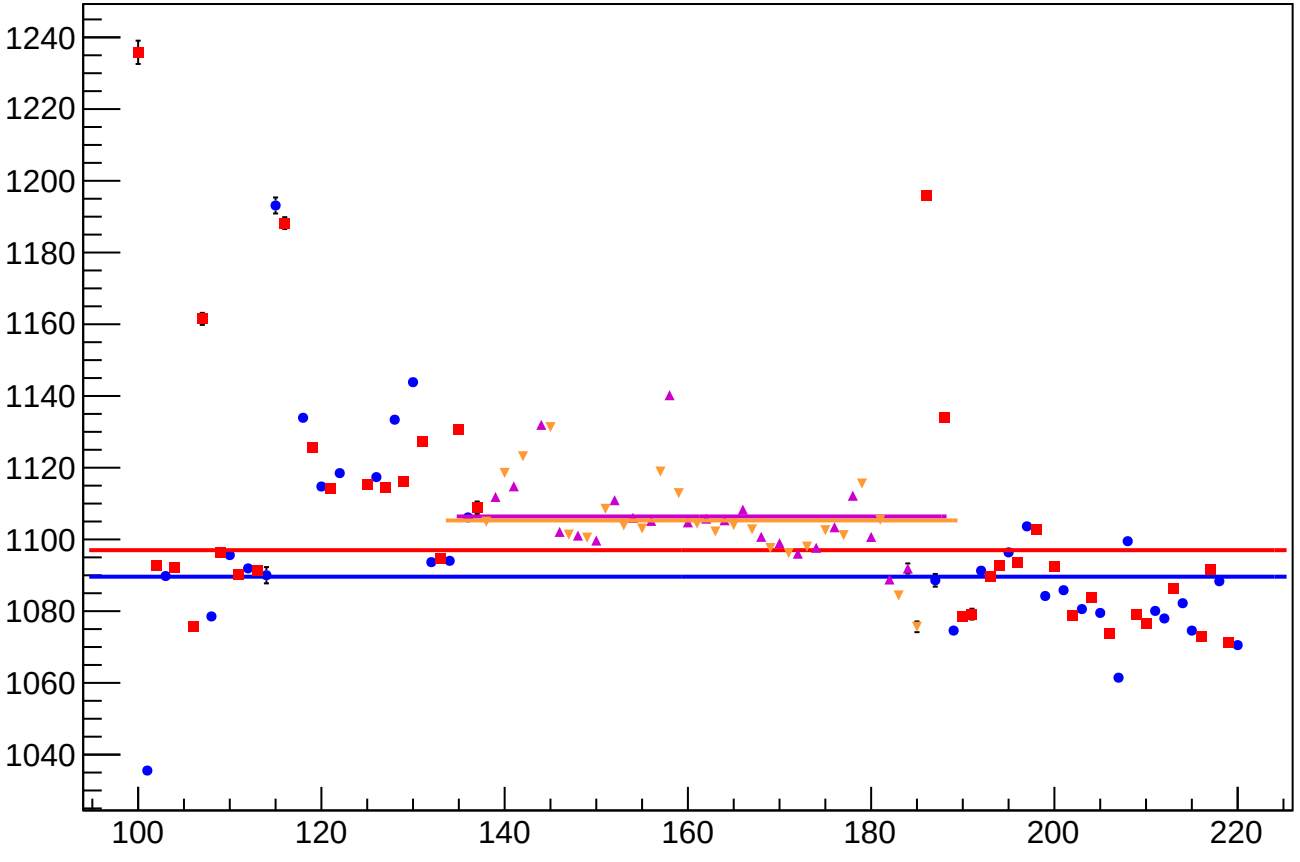
Right: 2159.256+/-167.735 χ^2/NDF: 33.8/68

In: 1992.656+/-174.784 χ^2/NDF:36.4/55

Out: 1932.850+/-174.110 χ^2/NDF:40.6/59

All: 1962.638+/-123.352 χ^2/NDF: 77.0/115

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1089.610+/-0.168 χ^2/NDF: 16832.0/32

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

Right Out: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

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

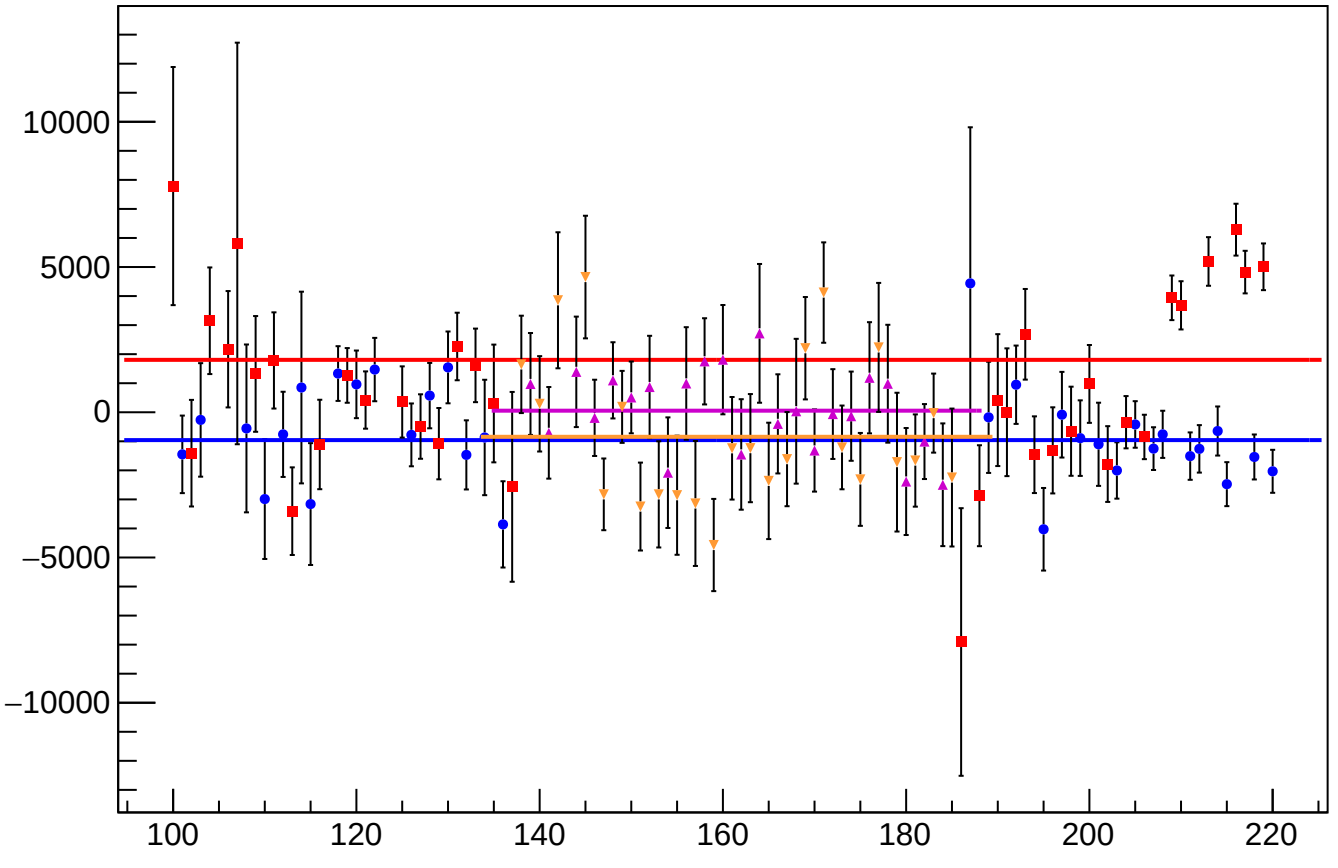
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1093.312+/-0.119 χ^2/NDF: 40664.7/68

In: 1097.298+/-0.124 χ^2/NDF:25192.0/55

Out: 1100.823+/-0.123 χ^2/NDF:27148.8/59

All: 1099.068+/-0.087 χ^2/NDF: 52749.2/115



Right In: -958.541+/-192.829 χ^2/NDF: 43.7/32

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

Right Out: 1804.412+/-202.557 χ^2/NDF: 176.8/35

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

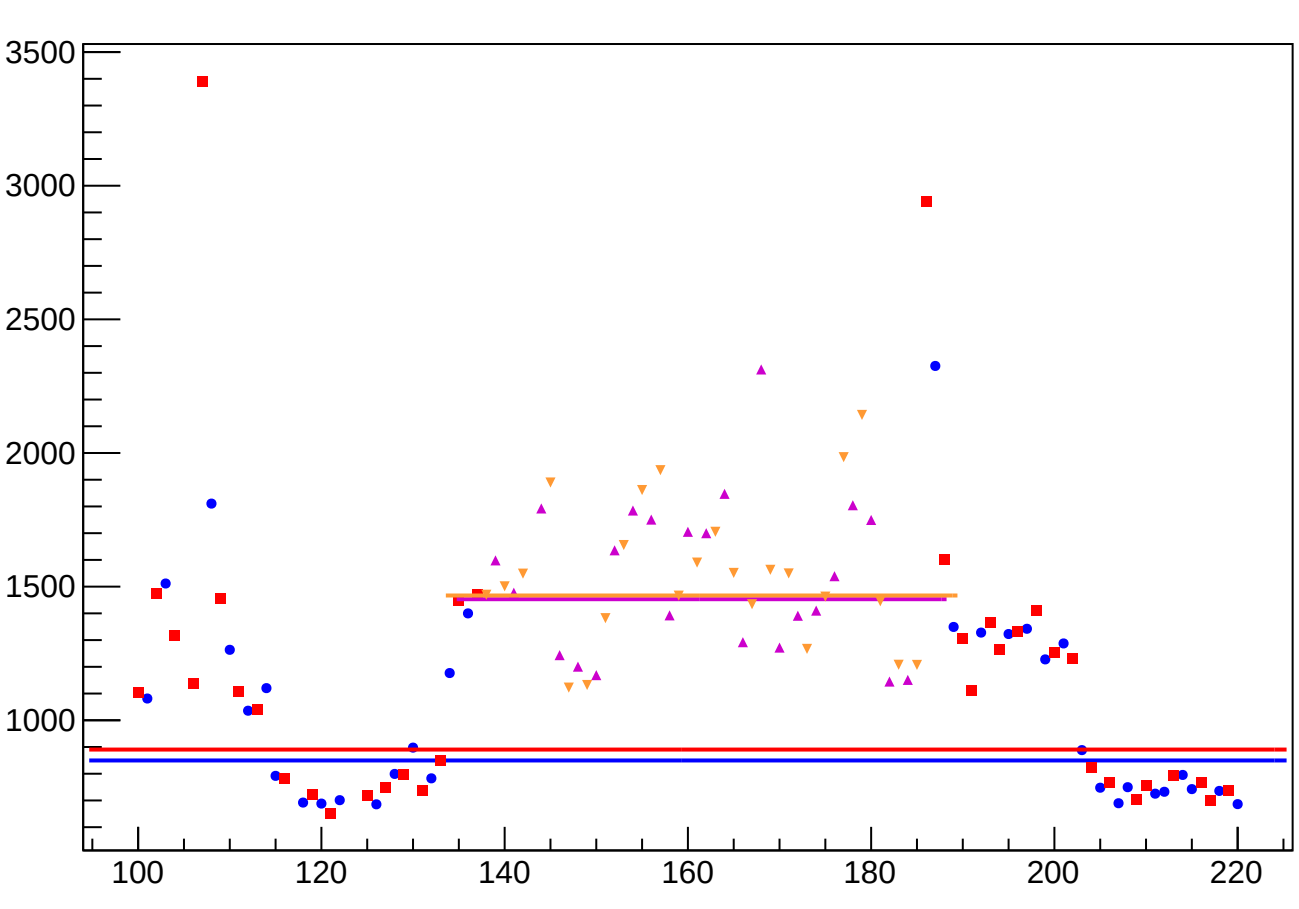
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 354.995+/-139.663 χ^2/NDF: 318.1/68

In: -718.460+/-168.433 χ^2/NDF:63.3/55

Out: 1132.156+/-174.978 χ^2/NDF:264.4/59

All: 171.589+/-121.348 χ^2/NDF: 385.7/115



Right In: 849.628+/-0.136 χ^2/NDF: 2935516.1/32

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

Right Out: 890.427+/-0.143 χ^2/NDF: 3707873.5/35

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

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

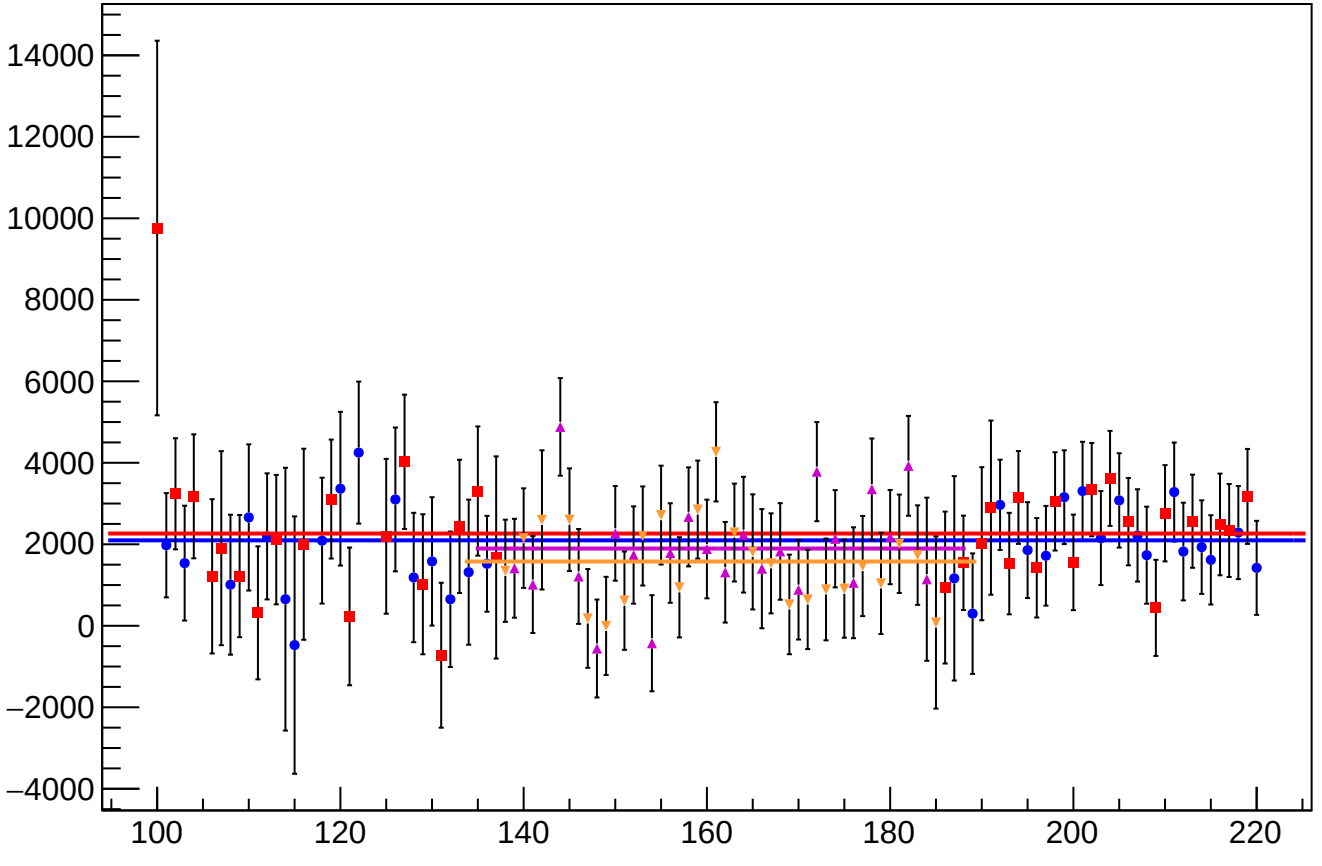
Right: 869.024+/-0.099 χ^2/NDF: 6685955.6/68

In: 992.639+/-0.119 χ^2/NDF:8706261.0/55

Out: 1036.706+/-0.124 χ^2/NDF:8861276.9/59

All: 1013.833+/-0.086 χ^2/NDF: 17633379.2/

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2096.746+/-238.013 χ^2/NDF: 12.1/32

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

Right Out: 2263.505+/-237.818 χ^2/NDF: 21.4/35

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

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

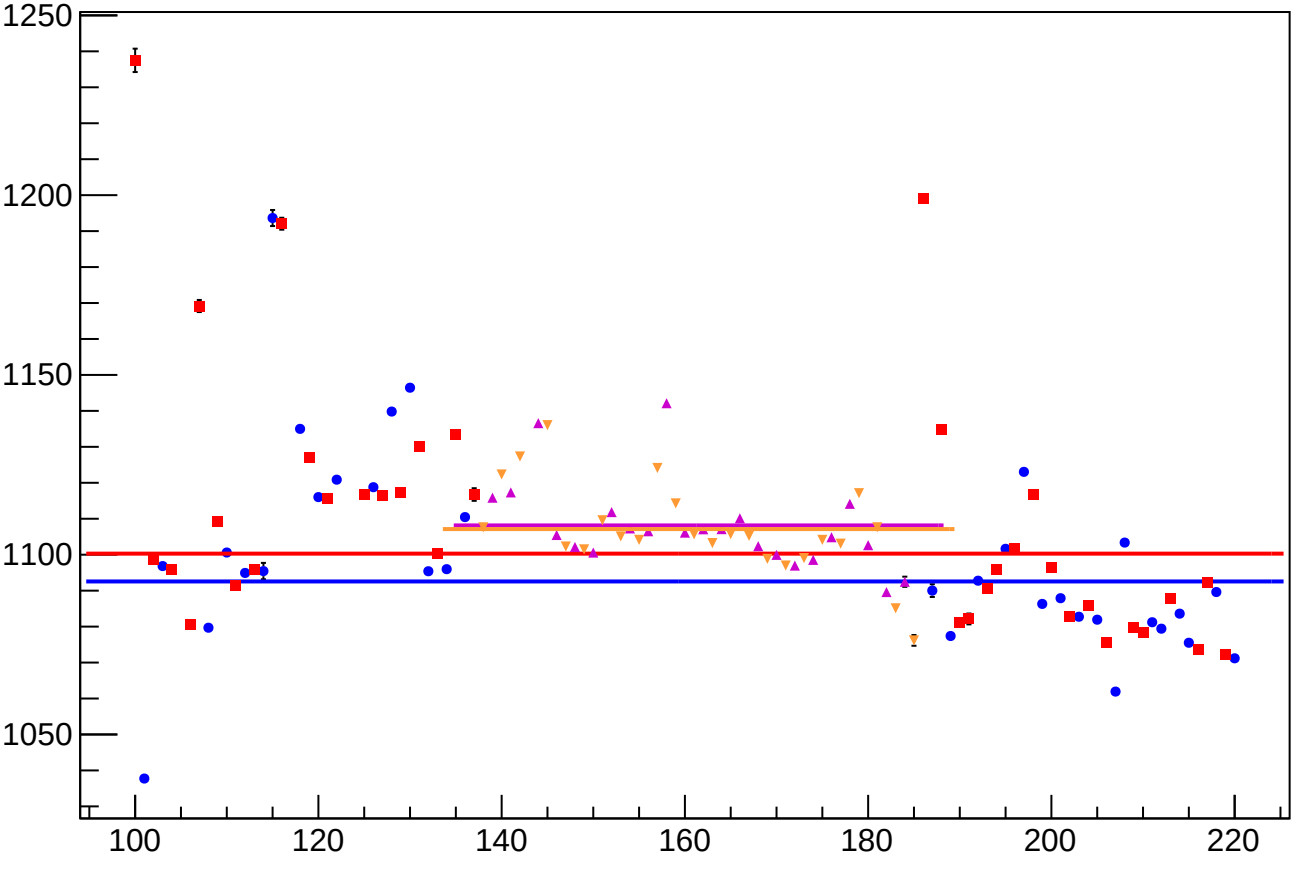
Right: 2180.194+/-168.232 χ^2/NDF: 33.7/68

In: 2004.531+/-175.174 χ^2/NDF:36.5/55

Out: 1947.015+/-174.552 χ^2/NDF:40.8/59

All: 1975.671+/-123.646 χ^2/NDF: 77.3/115

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1092.561+/-0.168 χ^2/NDF: 18595.5/32

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

Right Out: 1100.295+/-0.168 χ^2/NDF: 23648.6/35

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

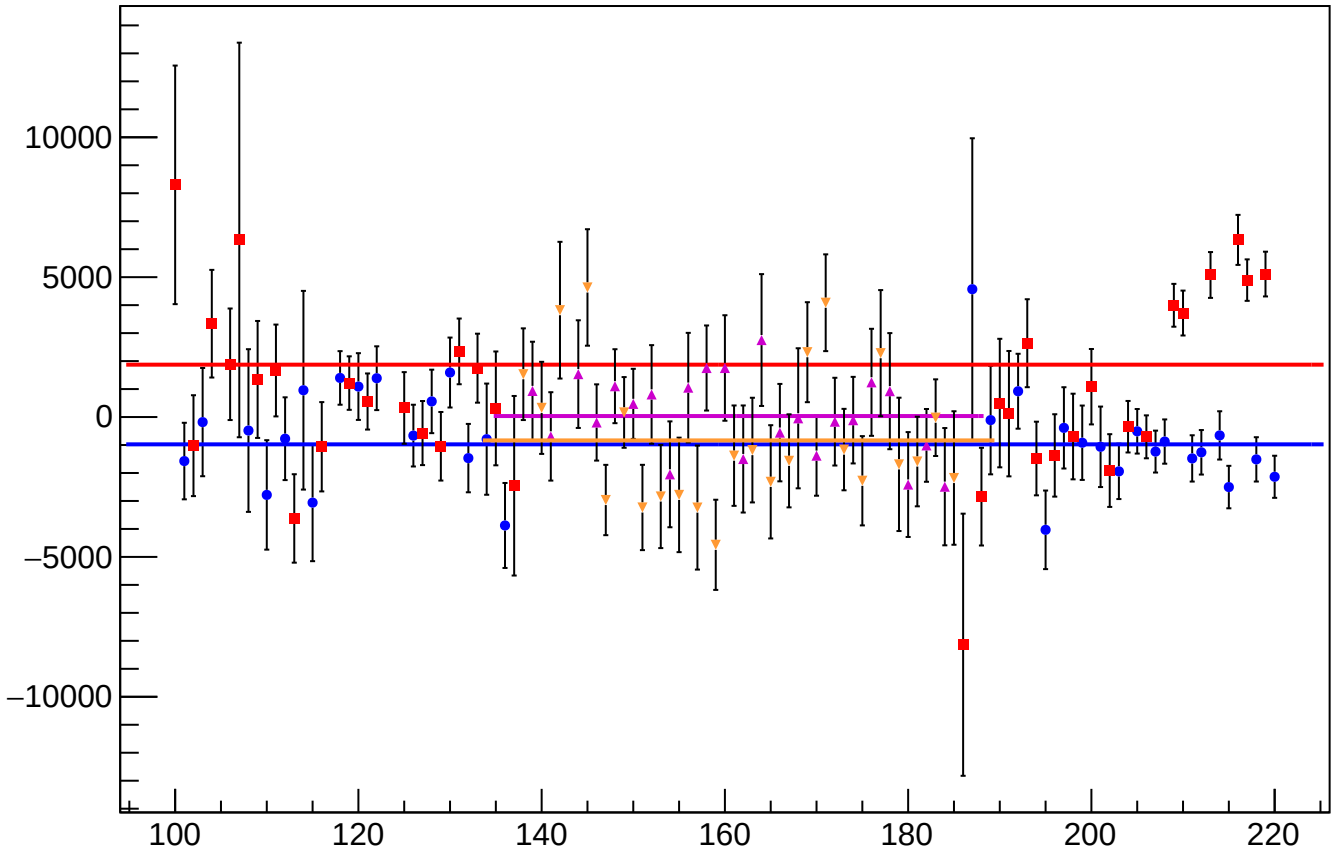
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1096.431+/-0.119 χ^2/NDF: 43301.1/68

In: 1099.703+/-0.124 χ^2/NDF:26716.2/55

Out: 1103.446+/-0.123 χ^2/NDF:28193.6/59

All: 1101.582+/-0.087 χ^2/NDF: 55368.0/115



Right In: -976.095+/-194.457 χ^2/NDF: 43.1/32

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

Right Out: 1872.168+/-203.364 χ^2/NDF: 177.2/35

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

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

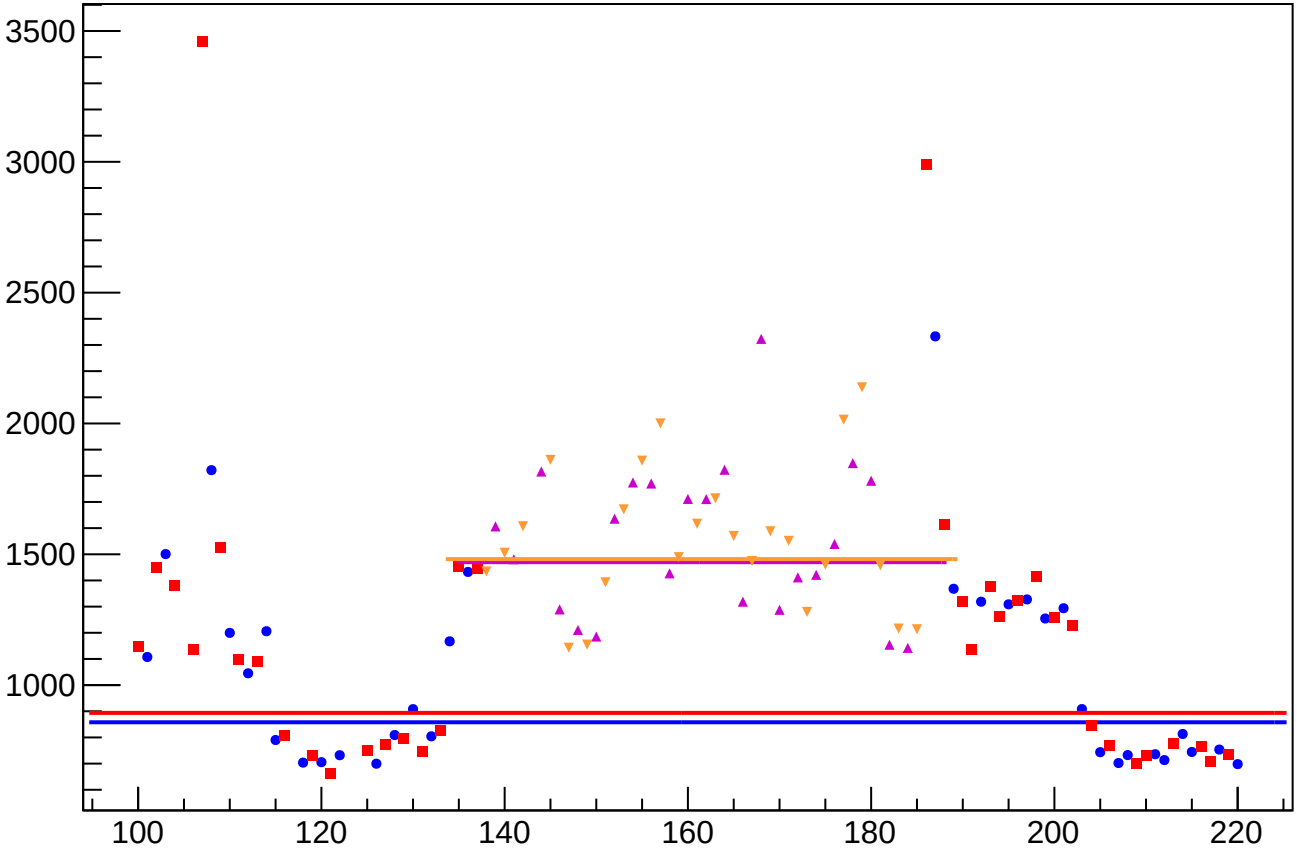
Right: 384.296+/-140.545 χ^2/NDF: 322.7/68

In: -737.104+/-169.942 χ^2/NDF:62.6/55

Out: 1190.606+/-175.915 χ^2/NDF:265.4/59

All: 193.469+/-122.224 χ^2/NDF: 390.1/115

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 857.956+/-0.138 χ^2/NDF: 2886033.2/32

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

Right Out: 893.857+/-0.144 χ^2/NDF: 3751589.9/35

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

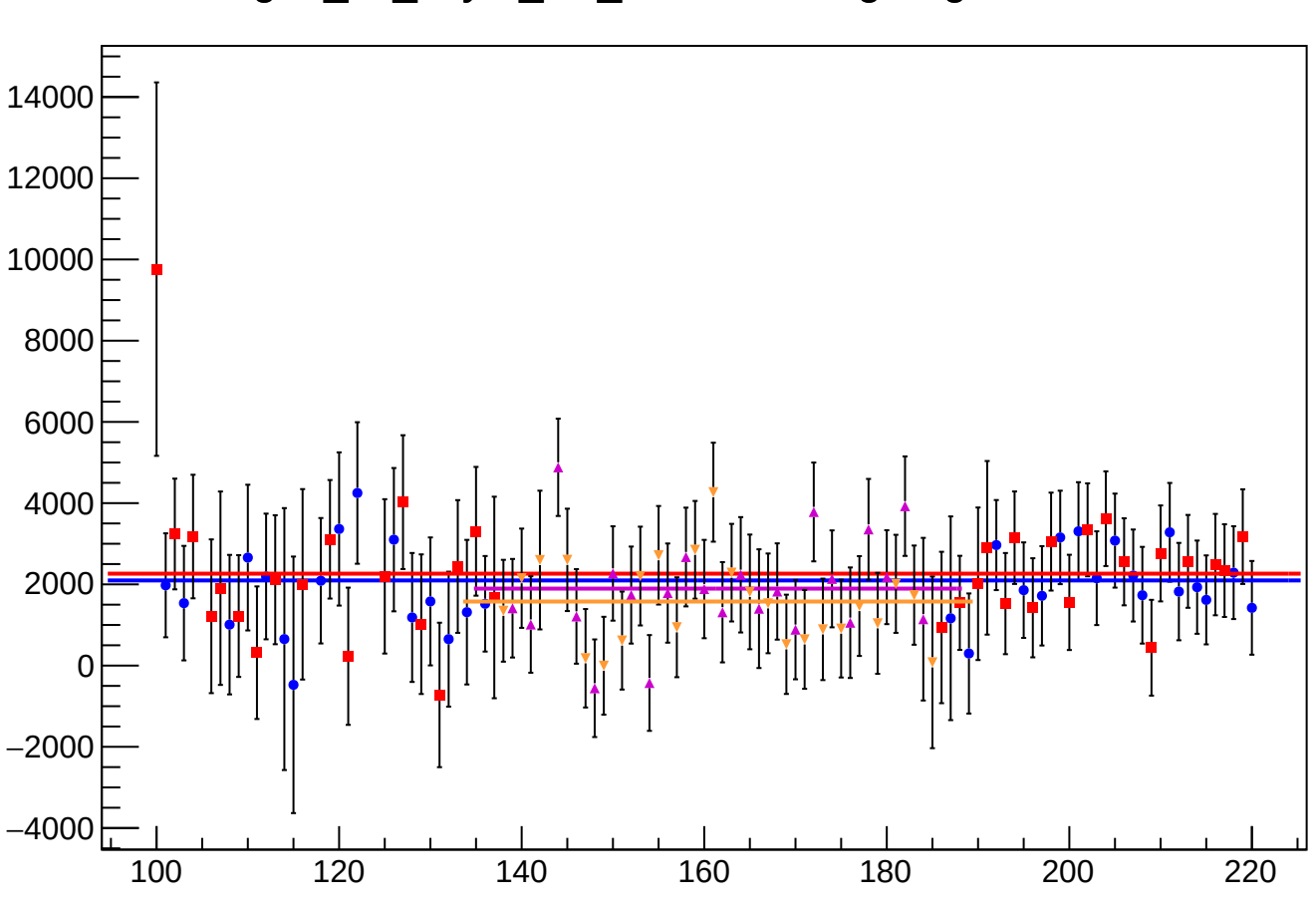
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 875.103+/-0.099 χ^2/NDF: 6670182.5/68

In: 1002.528+/-0.120 χ^2/NDF:8660423.9/55

Out: 1041.798+/-0.124 χ^2/NDF:8973571.2/59

All: 1021.485+/-0.086 χ^2/NDF: 17685548.9/1



Right In: 2096.746+/-238.013 χ^2/NDF: 12.1/32

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

Right Out: 2263.504+/-237.818 χ^2/NDF: 21.4/35

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

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

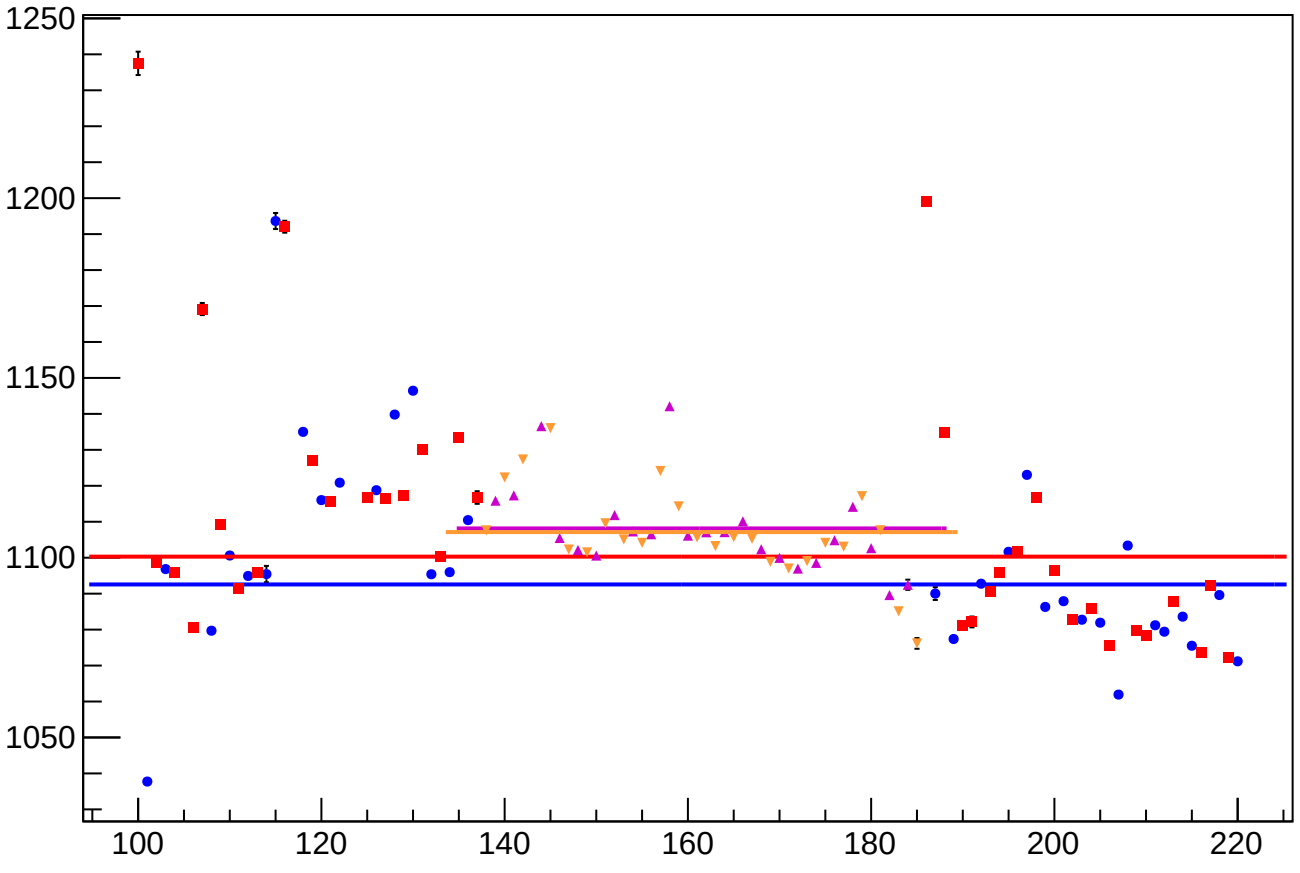
Right: 2180.193+/-168.232 χ^2/NDF: 33.7/68

In: 2004.532+/-175.174 χ^2/NDF:36.5/55

Out: 1947.013+/-174.552 χ^2/NDF:40.8/59

All: 1975.670+/-123.646 χ^2/NDF: 77.3/115

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1092.561+/-0.168 χ^2/NDF: 18595.5/32

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

Right Out: 1100.295+/-0.168 χ^2/NDF: 23648.6/35

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

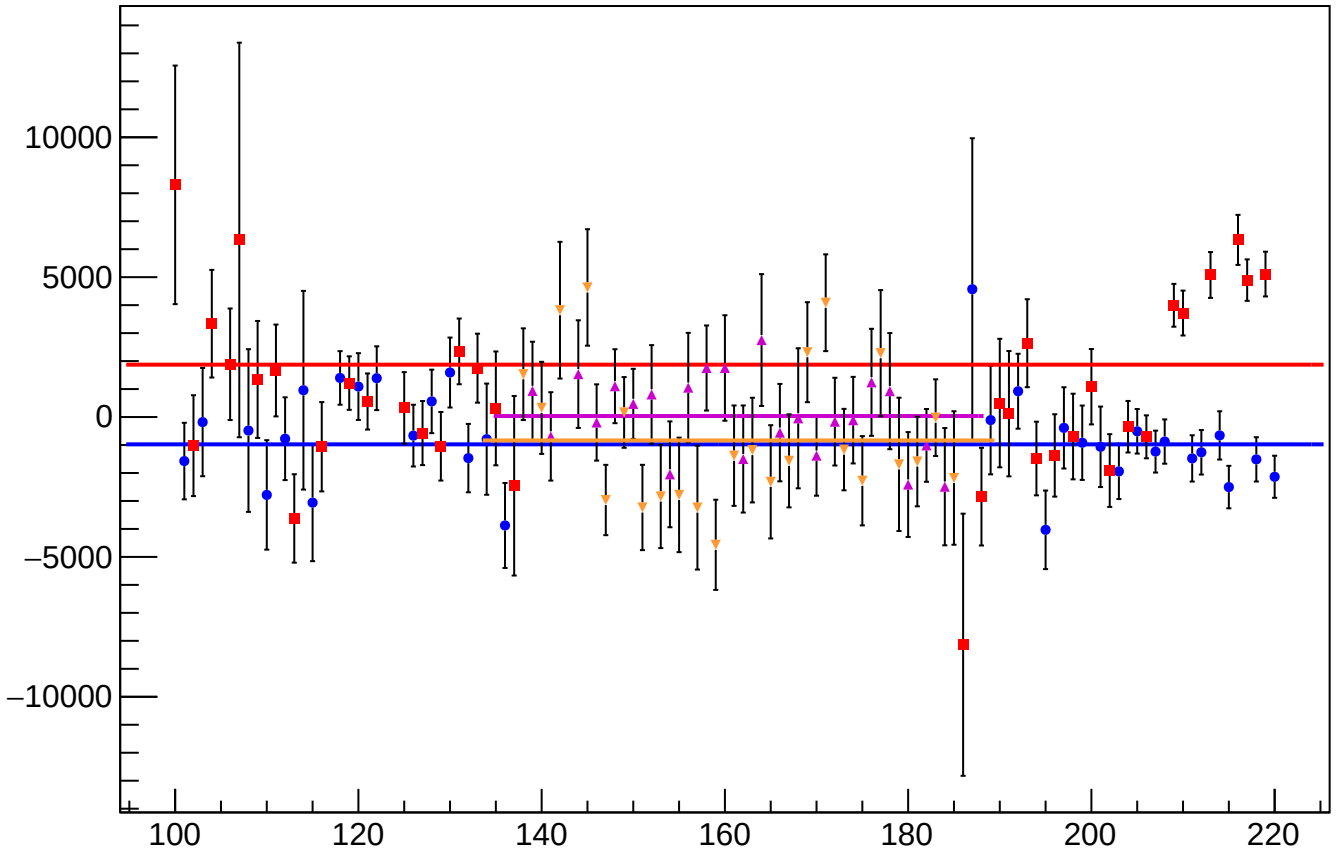
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1096.431+/-0.119 χ^2/NDF: 43301.0/68

In: 1099.703+/-0.124 χ^2/NDF:26716.2/55

Out: 1103.446+/-0.123 χ^2/NDF:28193.6/59

All: 1101.582+/-0.087 χ^2/NDF: 55367.9/115



Right In: -976.093+/-194.457 χ^2/NDF: 43.1/32

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

Right Out: 1872.165+/-203.364 χ^2/NDF: 177.2/35

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

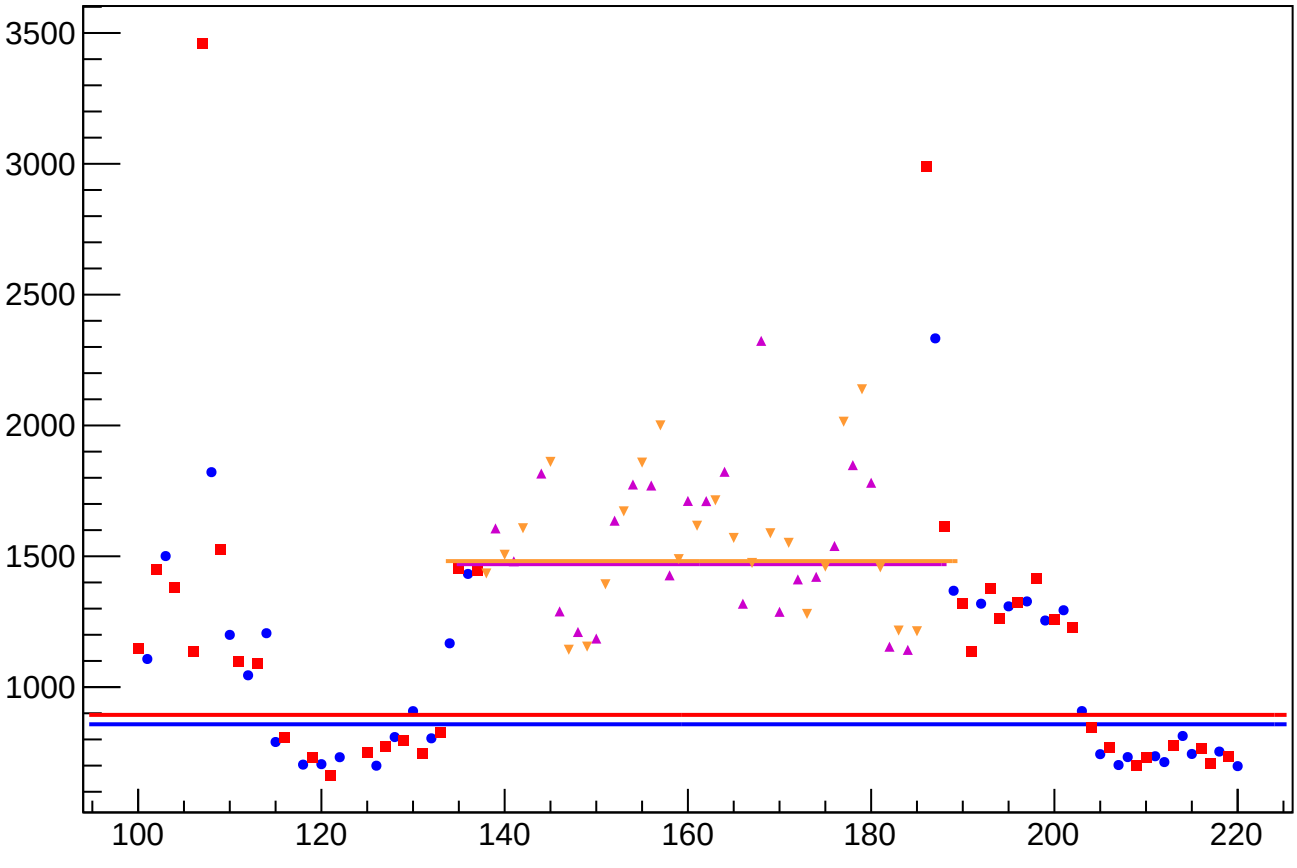
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 384.296+/-140.545 χ^2/NDF: 322.7/68

In: -737.102+/-169.942 χ^2/NDF:62.6/55

Out: 1190.604+/-175.915 χ^2/NDF:265.4/59

All: 193.469+/-122.224 χ^2/NDF: 390.1/115



Right In: 857.955+/-0.138 χ^2/NDF: 2886032.4/32

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

Right Out: 893.856+/-0.144 χ^2/NDF: 3751588.7/35

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

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

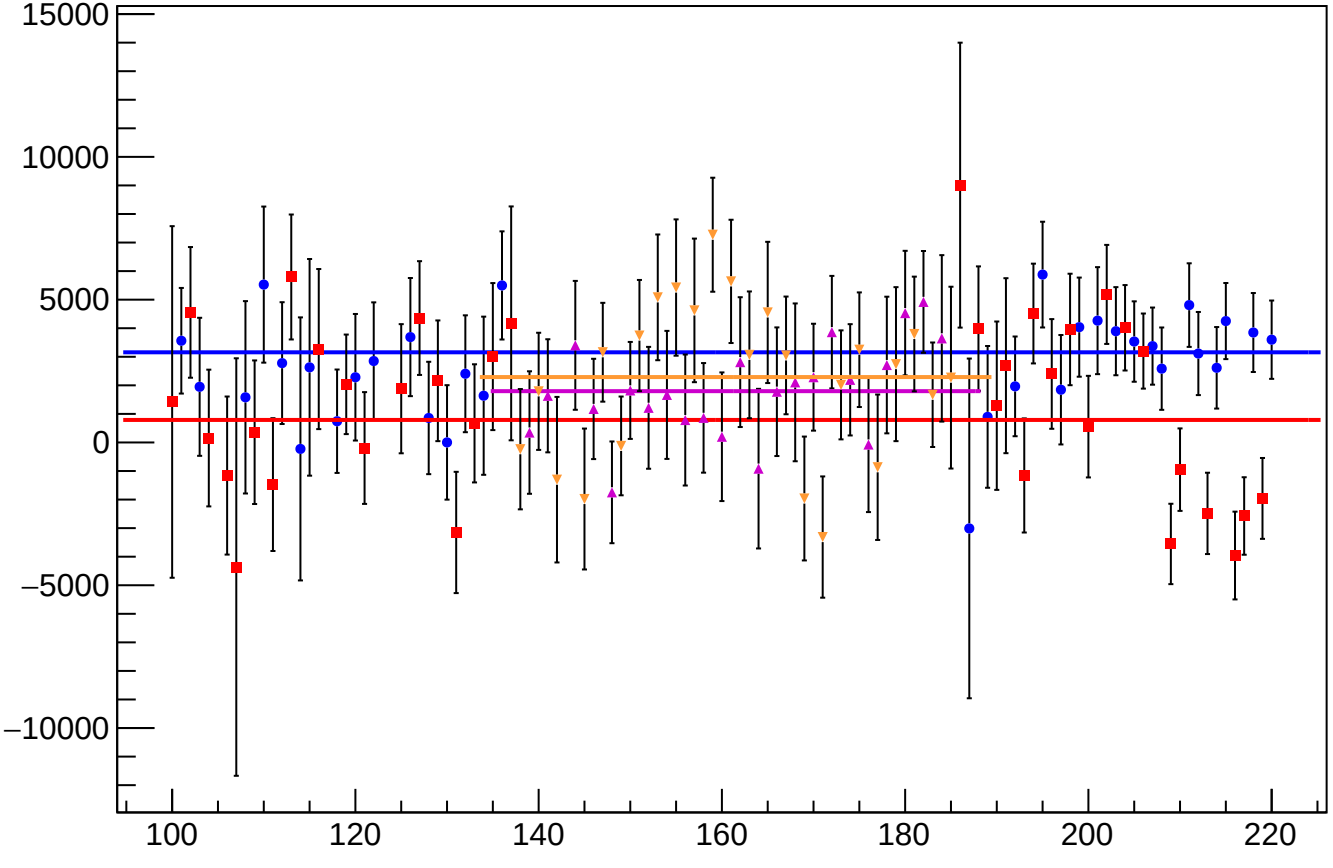
Right: 875.102+/-0.099 χ^2/NDF: 6670180.4/68

In: 1002.528+/-0.120 χ^2/NDF:8660440.4/55

Out: 1041.798+/-0.124 χ^2/NDF:8973588.4/59

All: 1021.485+/-0.086 χ^2/NDF: 17685582.5/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 3156.720+/-318.491 χ^2/NDF: 18.2/32

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

Right Out: 788.457+/-327.037 χ^2/NDF: 84.6/35

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

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

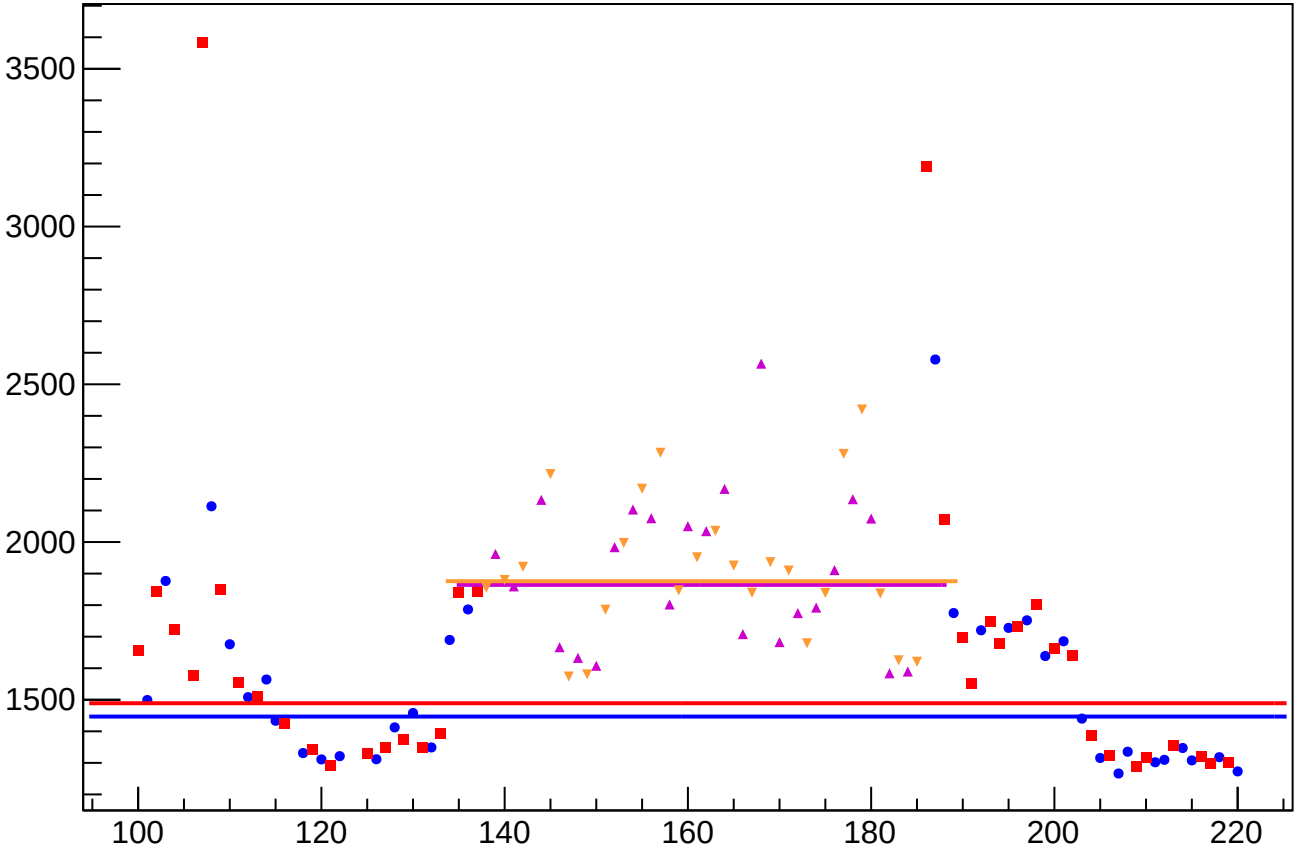
Right: 2003.935+/-228.168 χ^2/NDF: 129.7/68

In: 2687.799+/-257.822 χ^2/NDF:38.8/55

Out: 1323.733+/-262.333 χ^2/NDF:128.1/59

All: 2017.593+/-183.882 χ^2/NDF: 180.6/115

asym_usl_rms vs Slug, Sign Corrected



Right In: 1446.802+/-0.225 χ^2/NDF: 770547.7/32

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

Right Out: 1489.028+/-0.231 χ^2/NDF: 1189579.5/35

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

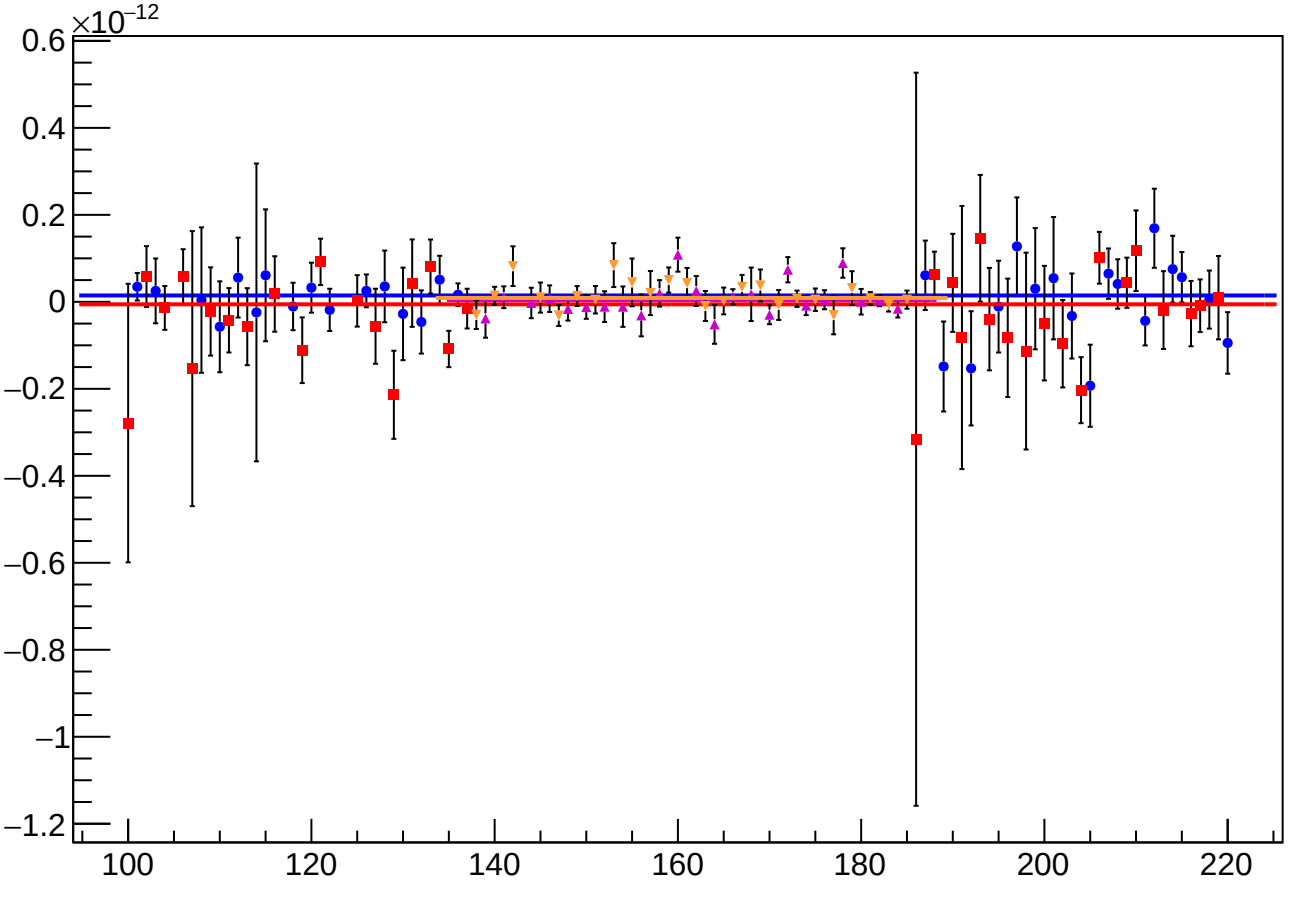
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1467.356+/-0.161 χ^2/NDF: 1977239.1/68

In: 1590.662+/-0.182 χ^2/NDF:2464969.9/55

Out: 1626.940+/-0.185 χ^2/NDF:2659642.4/59

All: 1608.486+/-0.130 χ^2/NDF: 5144067.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 39.1/35

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

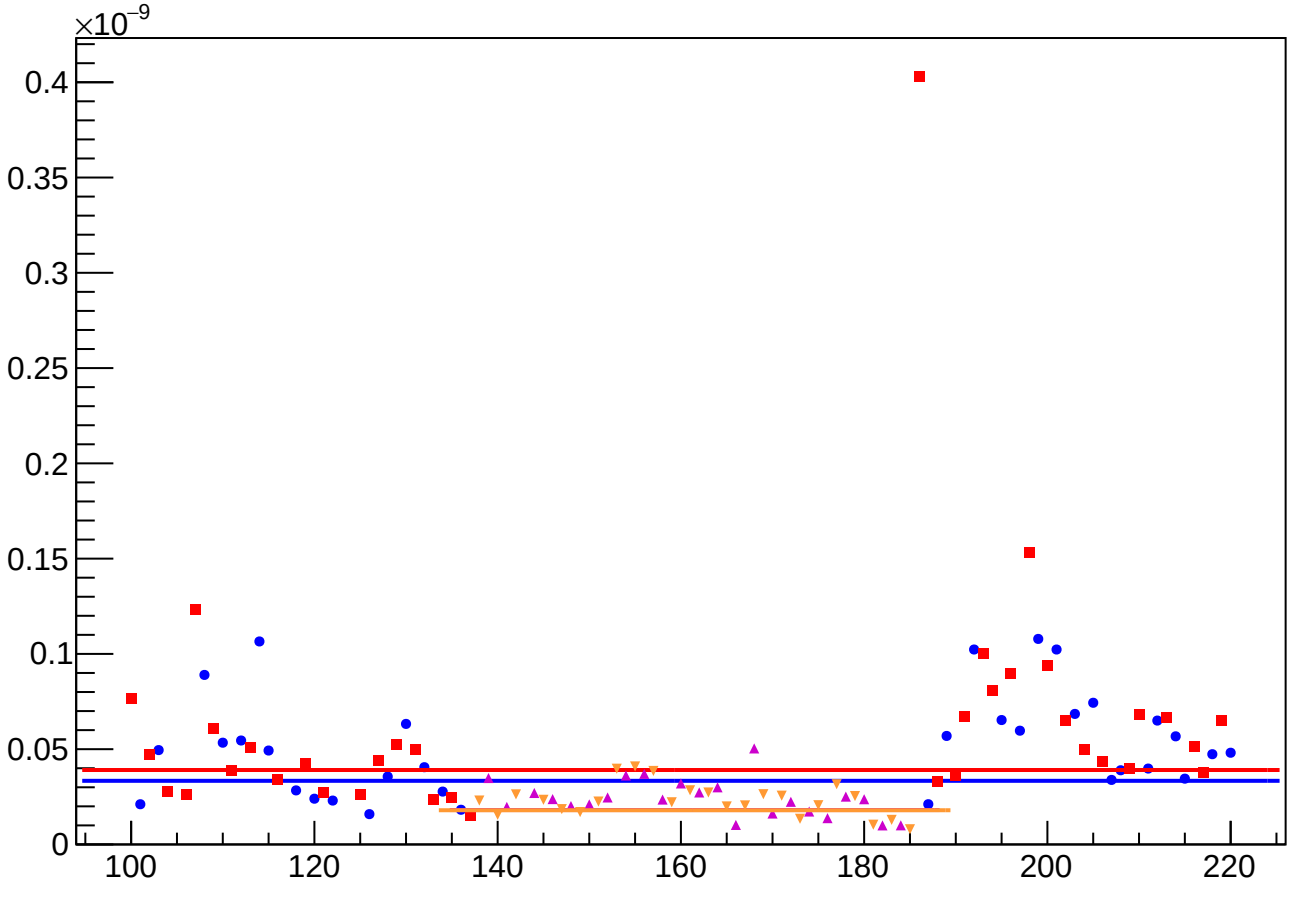
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 63.1/68

In: 0.000+/-0.000 χ^2/NDF:51.4/55

Out: 0.000+/-0.000 χ^2/NDF:56.8/59

All: 0.000+/-0.000 χ^2/NDF: 108.2/115



Right In: 0.000+/-0.000 χ^2/NDF: 5703778.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4618401.8/35

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

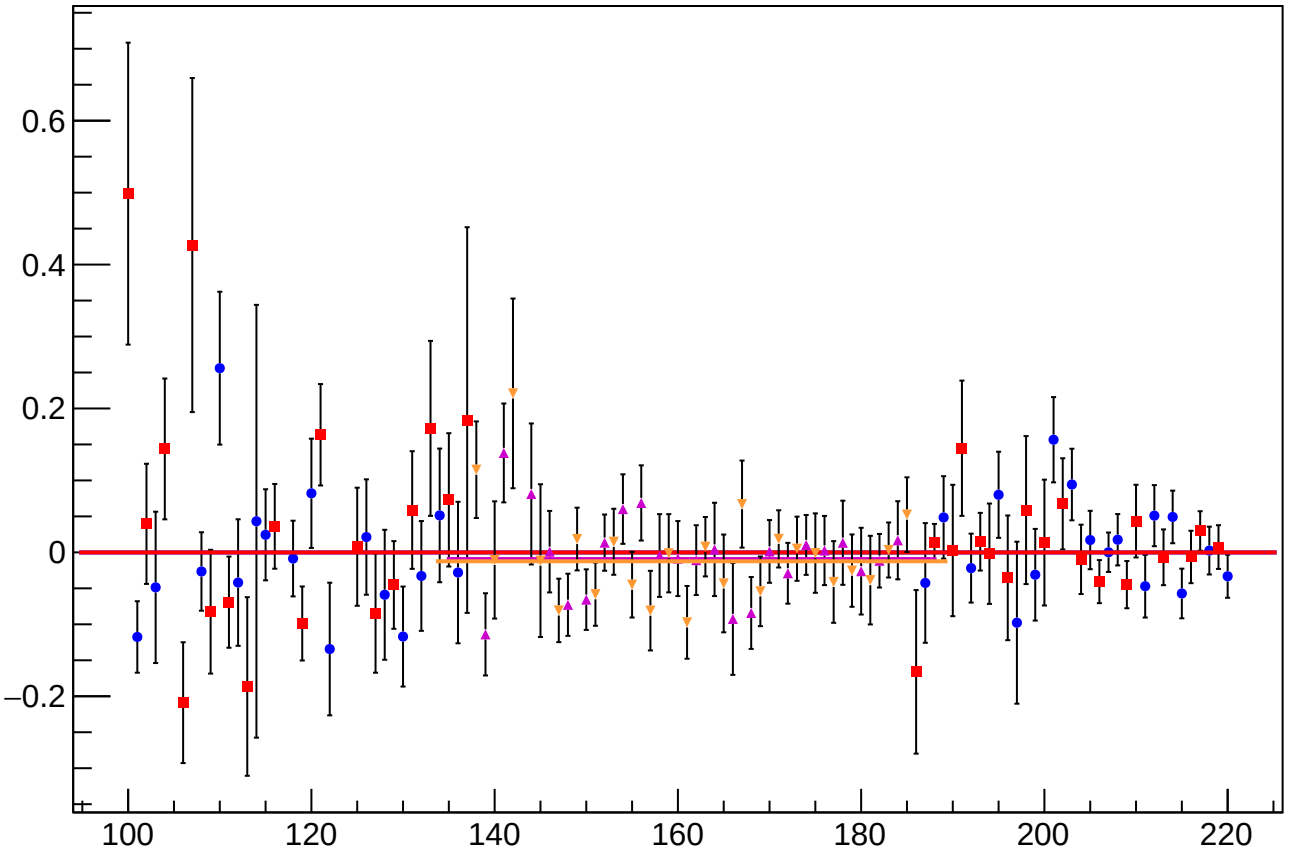
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10550033.0/68

In: 0.000+/-0.000 χ^2/NDF:12972525.7/55

Out: 0.000+/-0.000 χ^2/NDF:12794828.4/59

All: 0.000+/-0.000 χ^2/NDF: 25768353.8/115



Right In: -0.000+/-0.009 χ^2/NDF: 42.9/32

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.009 χ^2/NDF: 49.0/35

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

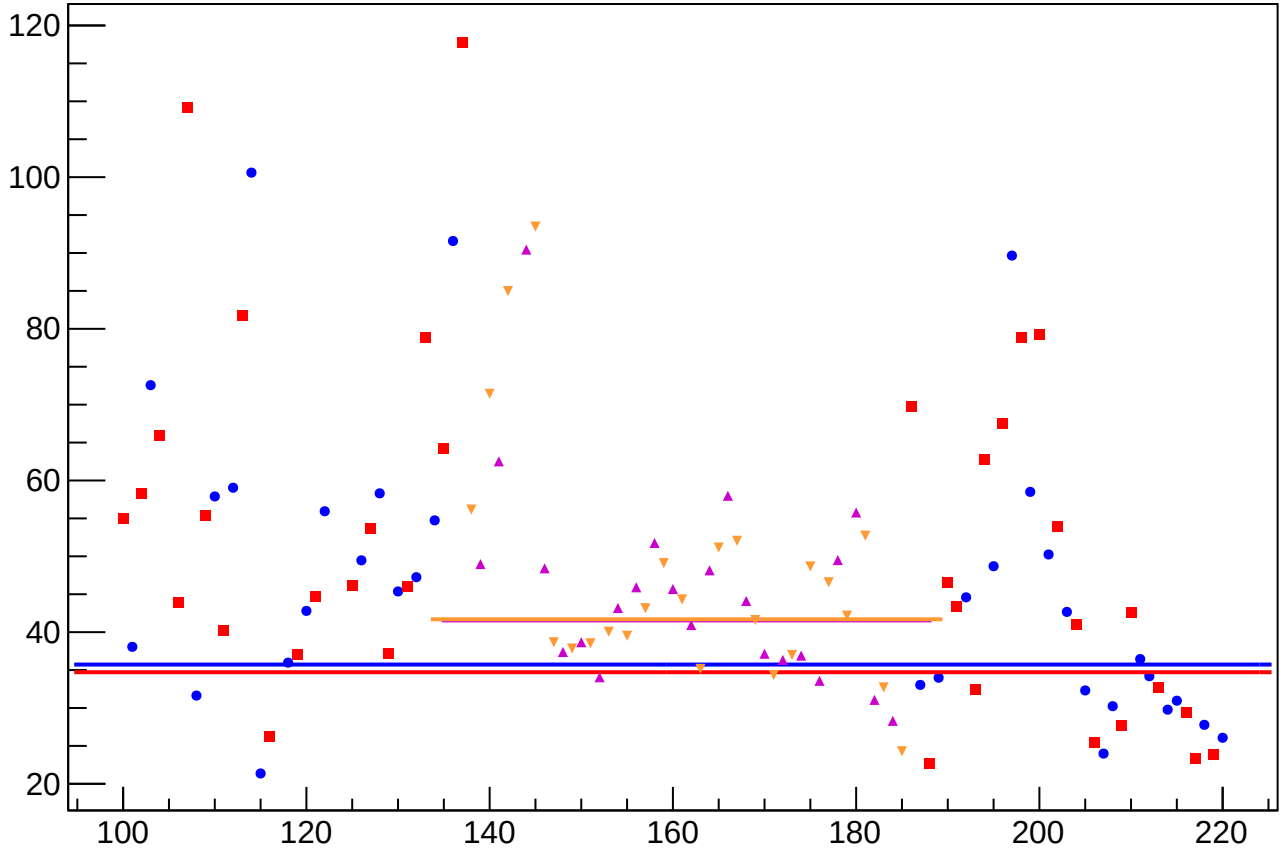
Right: -0.000+/-0.006 χ^2/NDF: 91.8/68

In: -0.004+/-0.007 χ^2/NDF:65.2/55

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.005+/-0.005 χ^2/NDF: 136.9/115

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.728+/-0.006 χ^2/NDF: 3680983.3/32

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 34.716+/-0.006 χ^2/NDF: 5314076.9/35

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

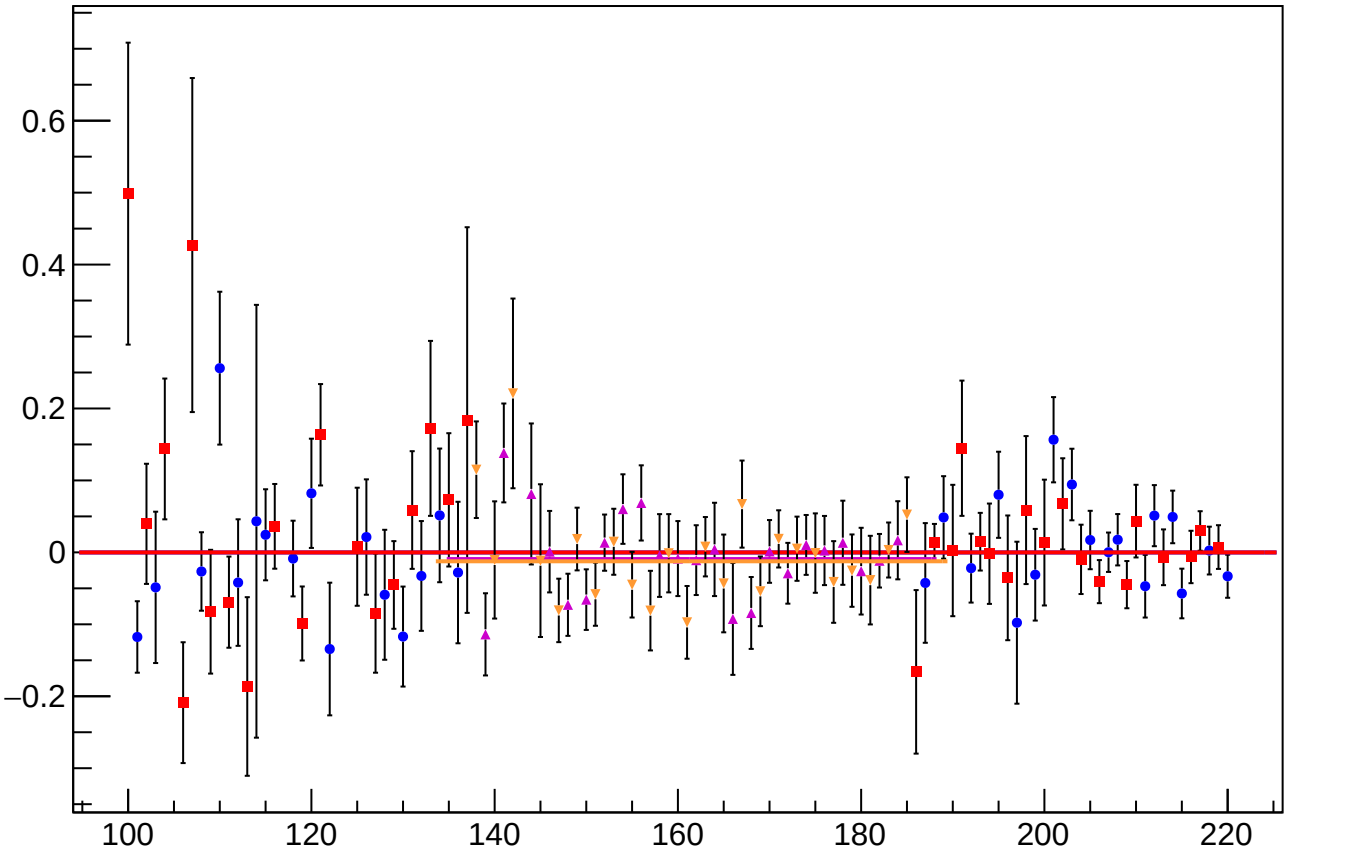
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 35.220+/-0.004 χ^2/NDF: 9007846.5/68

In: 38.189+/-0.005 χ^2/NDF:5650429.9/55

Out: 37.646+/-0.005 χ^2/NDF:7649082.2/59

All: 37.917+/-0.003 χ^2/NDF: 13305868.6/115



Right In: -0.000+/-0.009 χ^2/NDF: 42.9/32

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.009 χ^2/NDF: 49.0/35

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

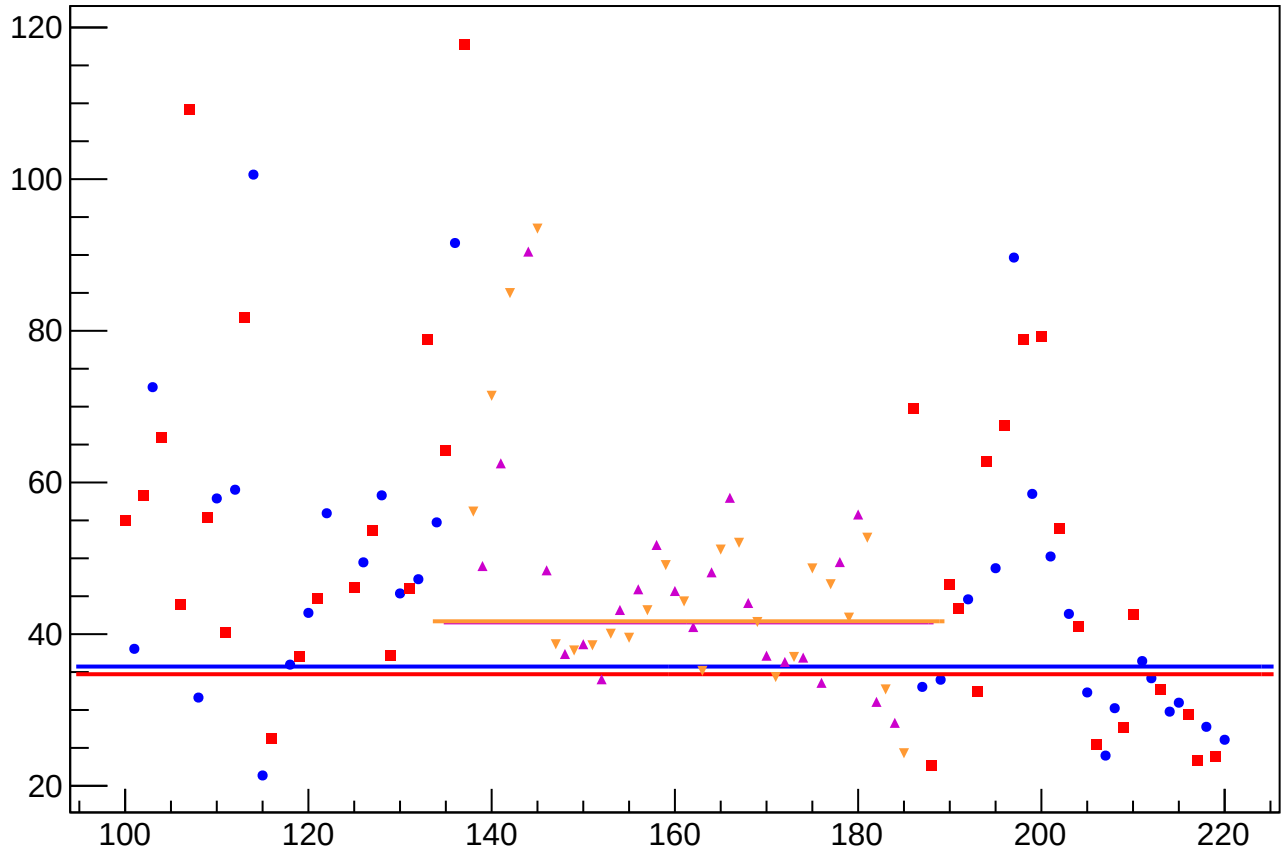
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.000+/-0.006 χ^2/NDF: 91.8/68

In: -0.004+/-0.007 χ^2/NDF:65.2/55

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.005+/-0.005 χ^2/NDF: 136.9/115



Right In: 35.728+/-0.006 χ^2/NDF: 3680983.3/32

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 34.716+/-0.006 χ^2/NDF: 5314076.9/35

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

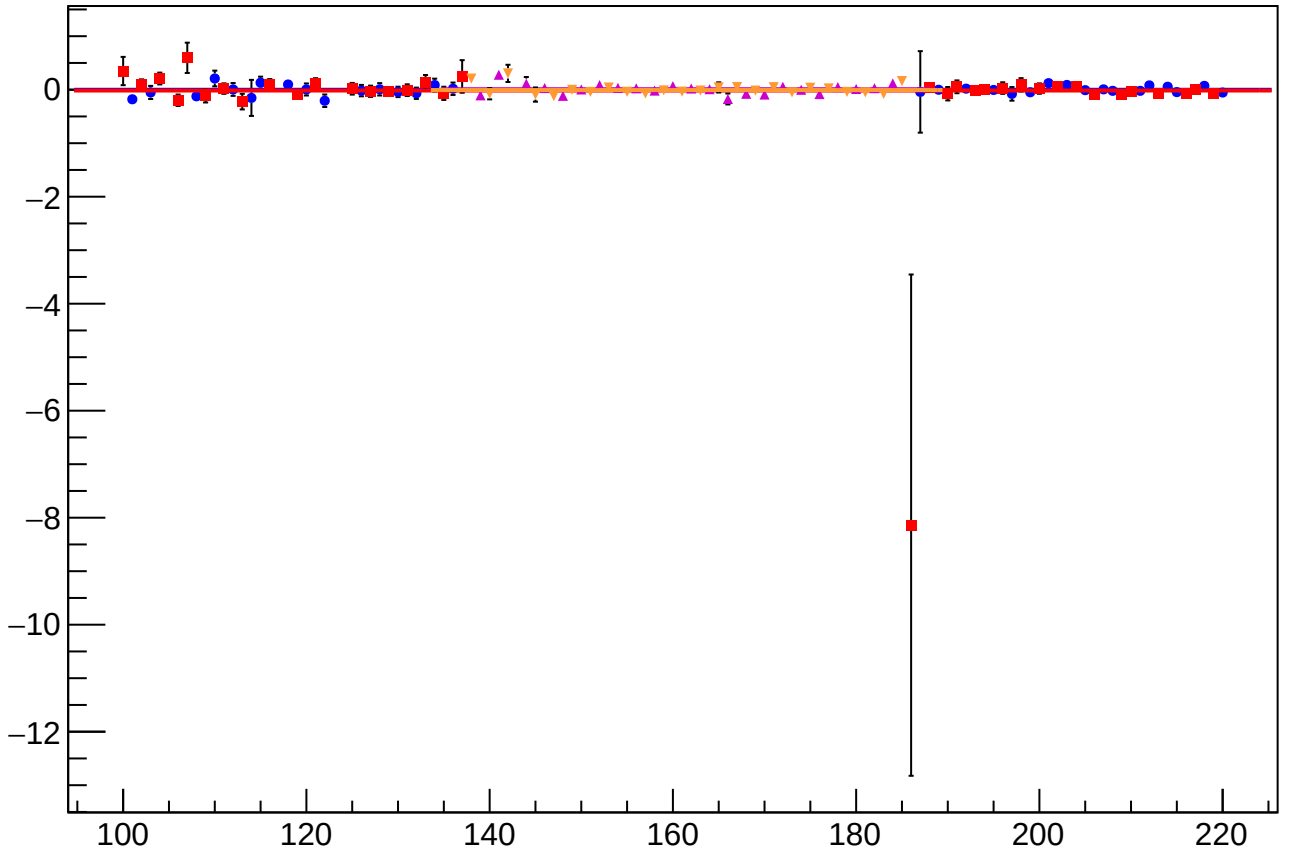
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 35.220+/-0.004 χ^2/NDF: 9007846.5/68

In: 38.189+/-0.005 χ^2/NDF:5650429.9/55

Out: 37.646+/-0.005 χ^2/NDF:7649082.2/59

All: 37.917+/-0.003 χ^2/NDF: 13305868.6/115



Right In: -0.002+/-0.013 χ^2/NDF: 31.0/32

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.015+/-0.014 χ^2/NDF: 39.3/35

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

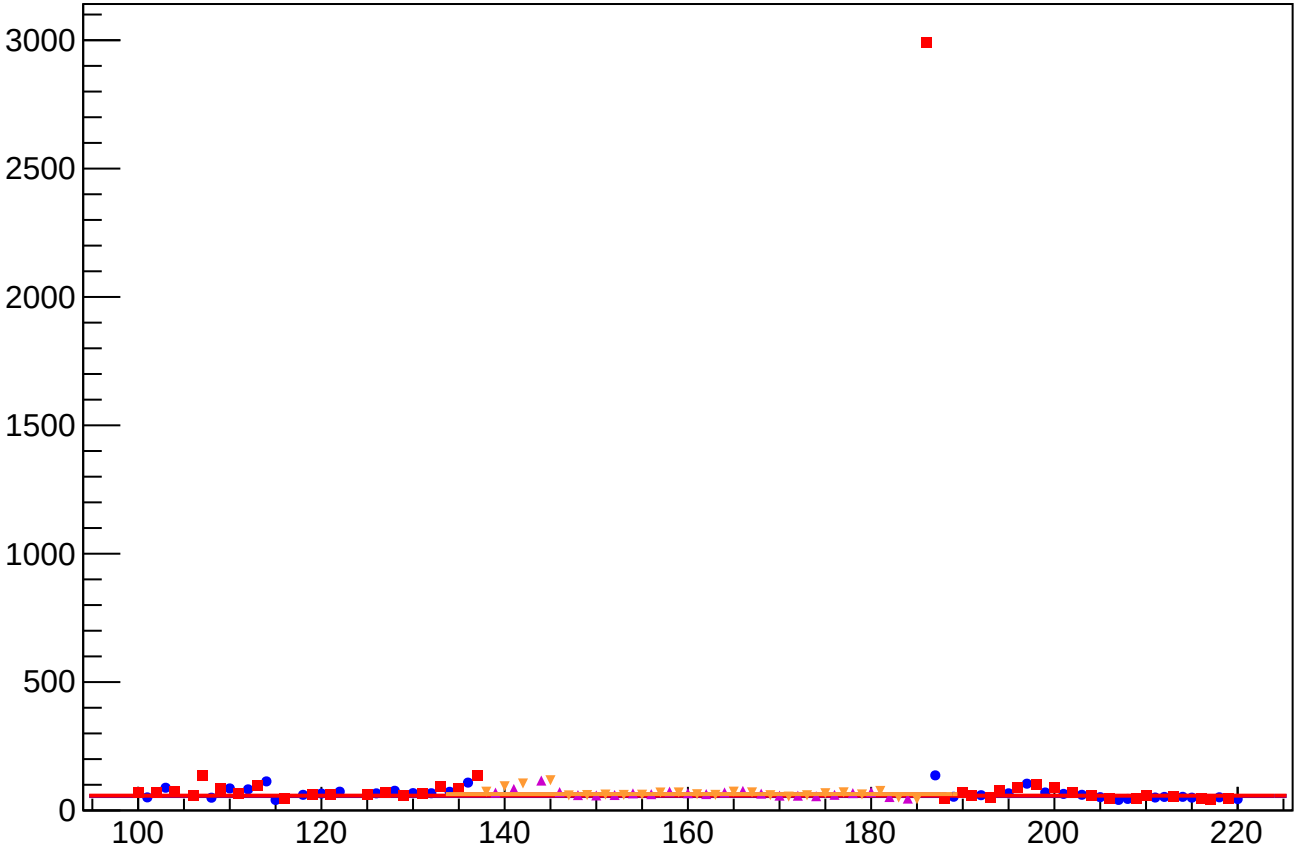
Right: -0.008+/-0.009 χ^2/NDF: 70.8/68

In: 0.002+/-0.010 χ^2/NDF:59.3/55

Out: -0.012+/-0.010 χ^2/NDF:63.1/59

All: -0.005+/-0.007 χ^2/NDF: 123.4/115

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.146+/-0.009 χ^2/NDF: 2053202.0/32

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 57.624+/-0.010 χ^2/NDF: 3173784.3/35

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

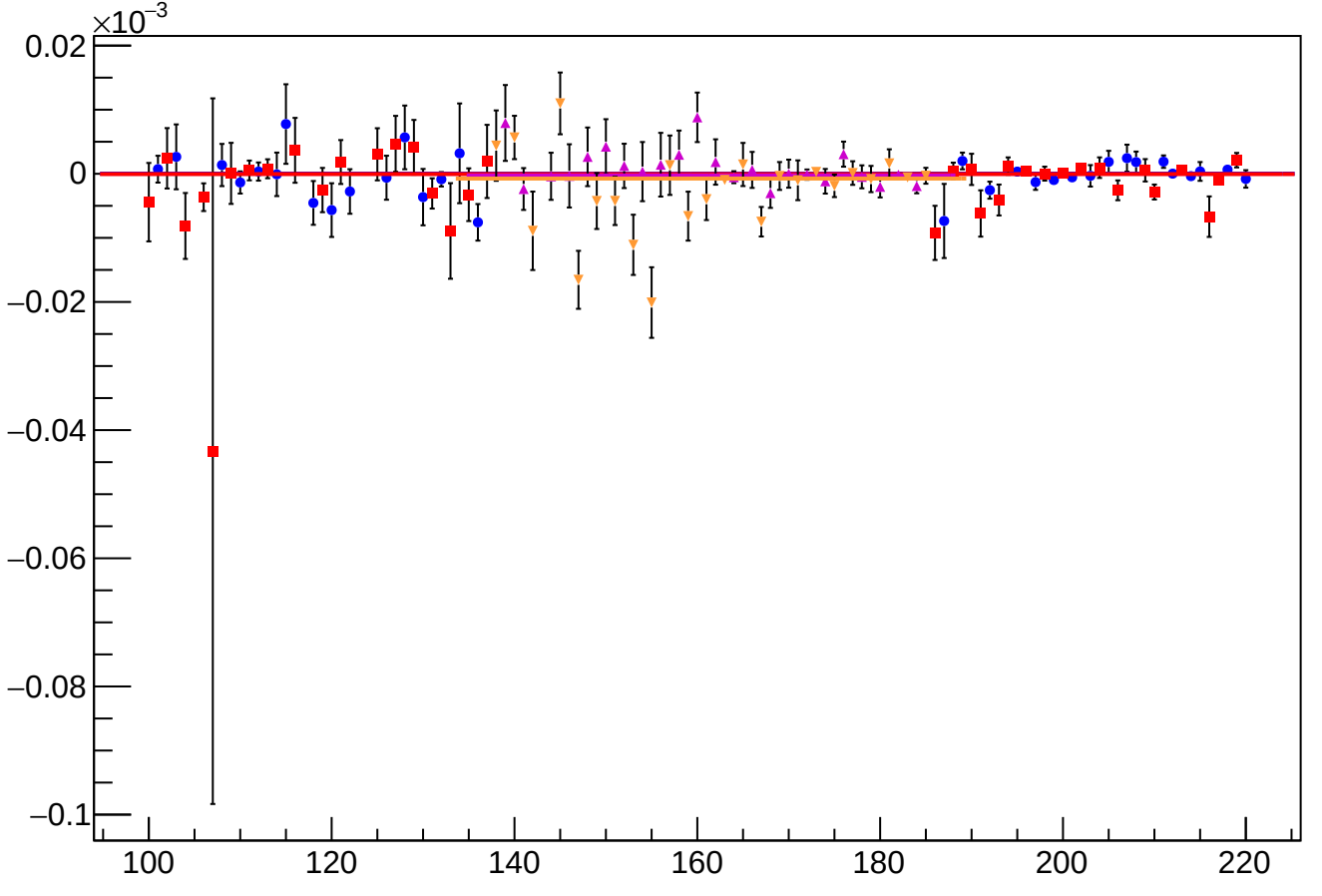
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 56.864+/-0.007 χ^2/NDF: 5239145.9/68

In: 59.467+/-0.007 χ^2/NDF:3192403.4/55

Out: 60.320+/-0.007 χ^2/NDF:4431962.1/59

All: 59.887+/-0.005 χ^2/NDF: 7631450.5/115



Right In: 0.000+/-0.000 χ^2/NDF: 42.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 55.3/35

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

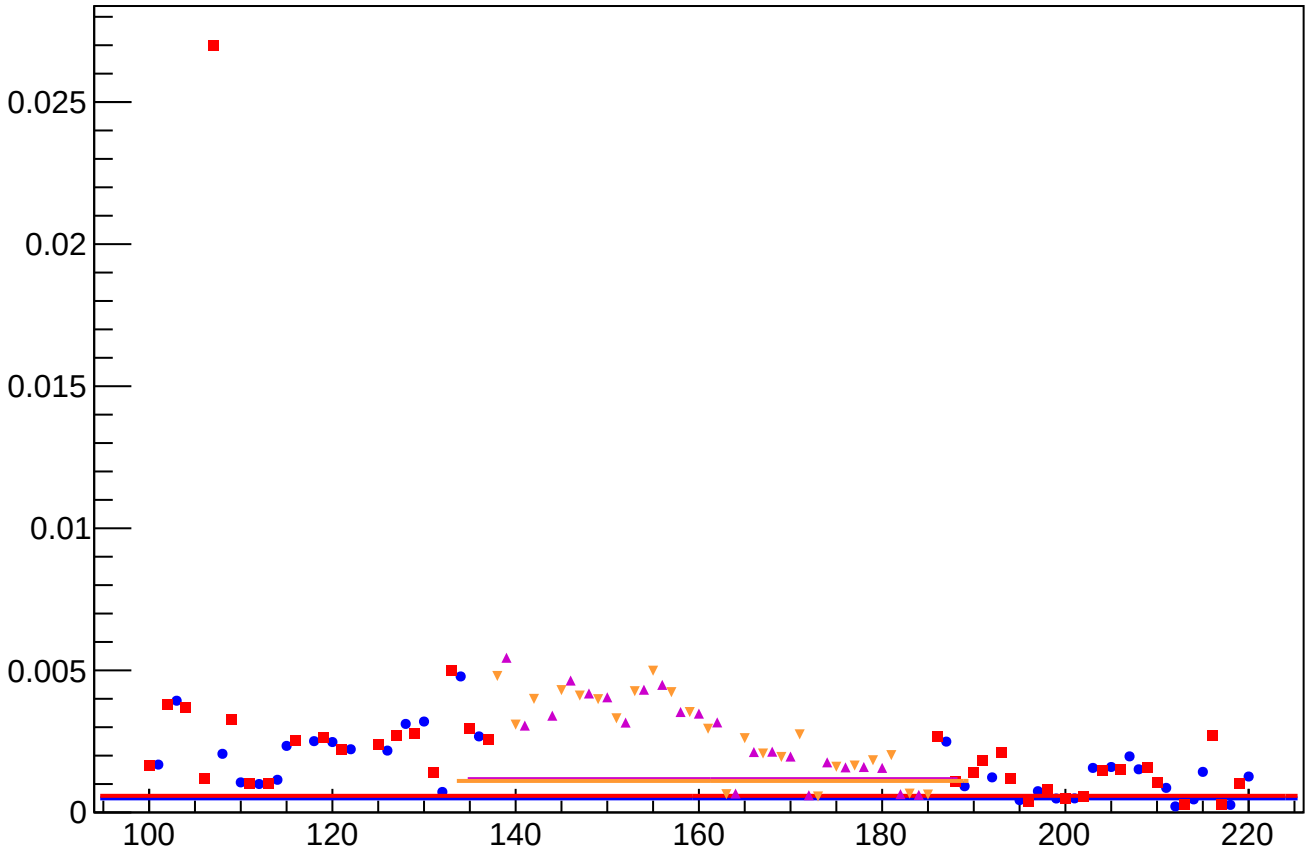
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 98.1/68

In: -0.000+/-0.000 χ^2/NDF:62.1/55

Out: -0.000+/-0.000 χ^2/NDF:118.6/59

All: -0.000+/-0.000 χ^2/NDF: 181.3/115



Right In: 0.000+/-0.000 χ^2/NDF: 17335944.9/32

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 17136999.5/35

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

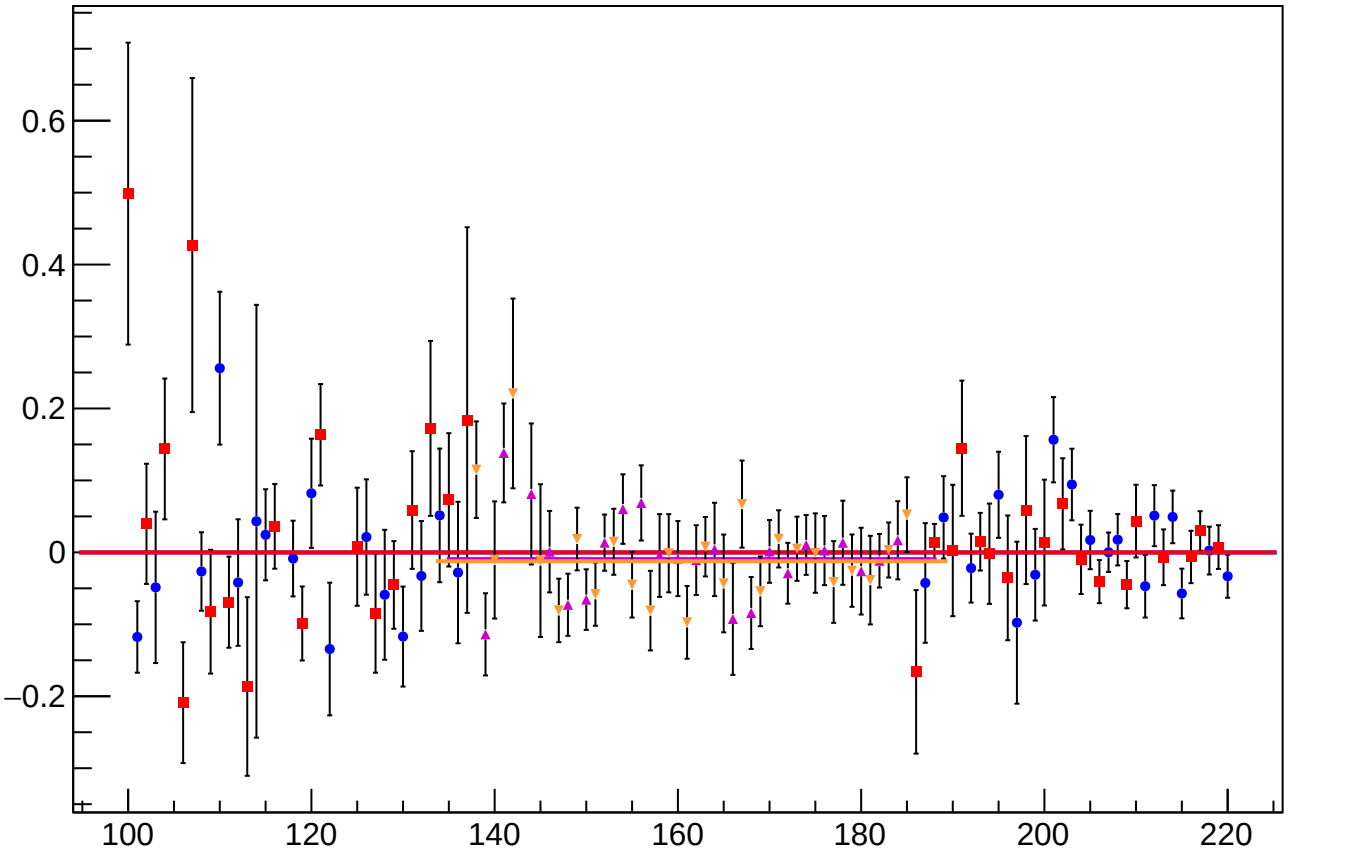
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 34763807.0/68

In: 0.001+/-0.000 χ^2/NDF:37620399.0/55

Out: 0.001+/-0.000 χ^2/NDF:35972028.4/59

All: 0.001+/-0.000 χ^2/NDF: 74046423.3/115



Right In: -0.000+/-0.009 χ^2/NDF: 42.9/32

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.009 χ^2/NDF: 49.0/35

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

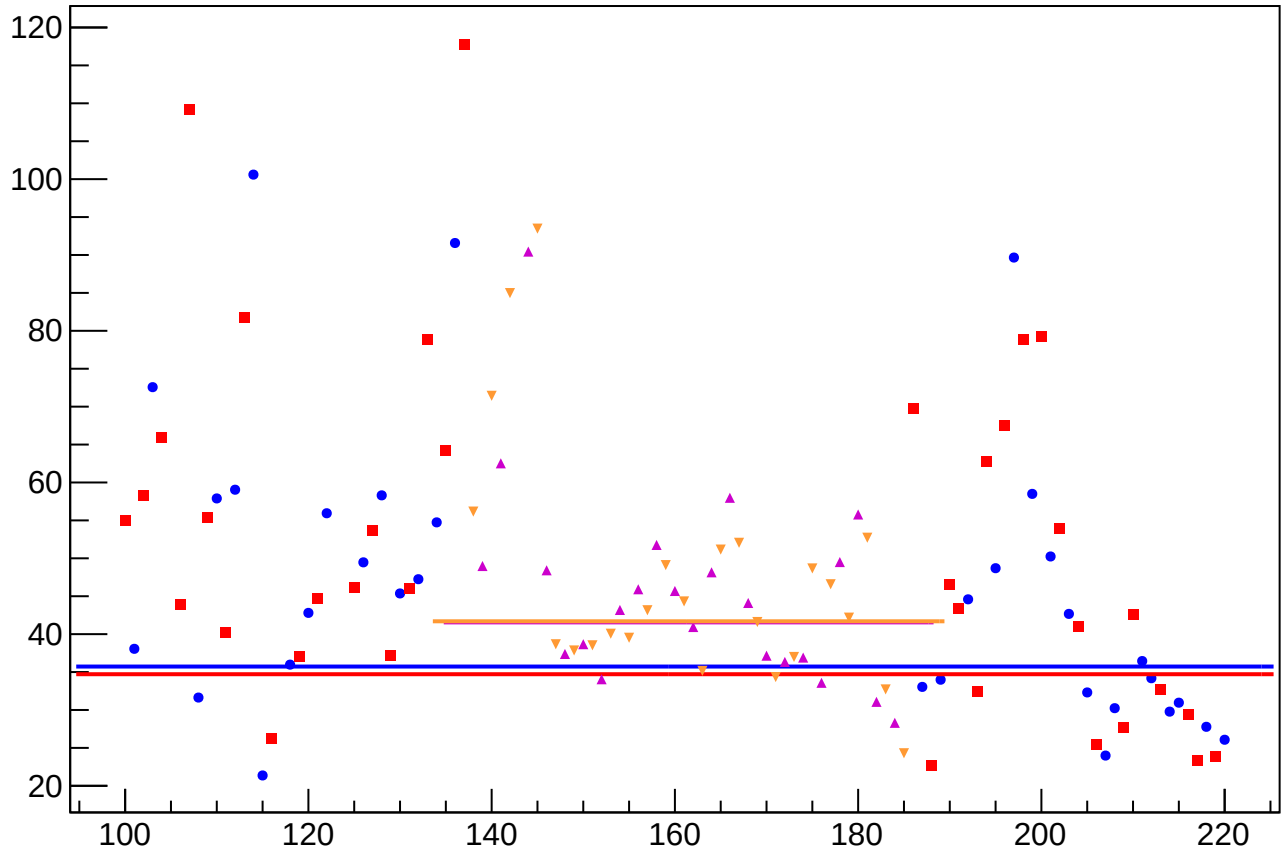
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.000+/-0.006 χ^2/NDF: 91.8/68

In: -0.004+/-0.007 χ^2/NDF:65.2/55

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.005+/-0.005 χ^2/NDF: 136.9/115



Right In: 35.728+/-0.006 χ^2/NDF: 3680956.7/32

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 34.716+/-0.006 χ^2/NDF: 5313905.6/35

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

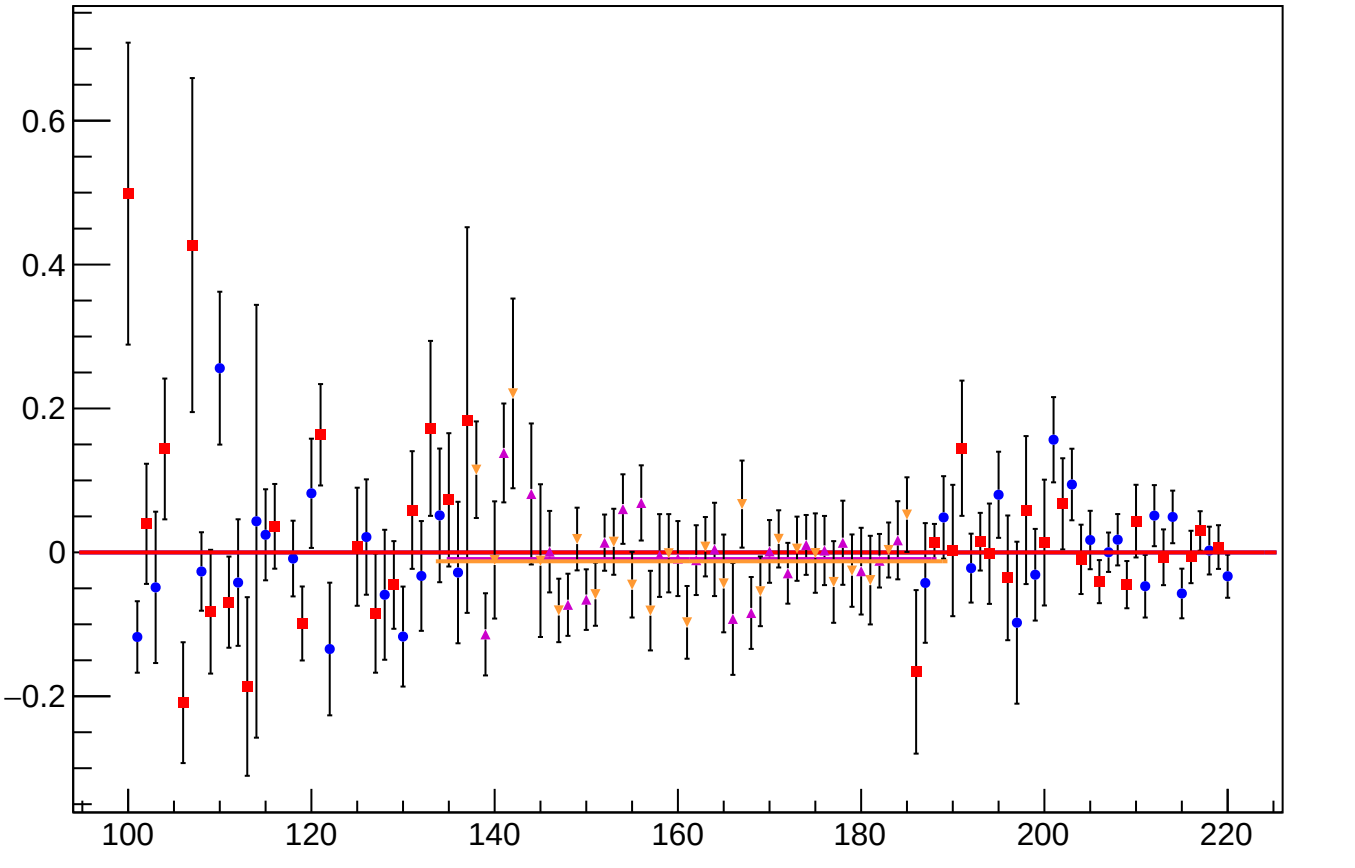
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 35.220+/-0.004 χ^2/NDF: 9007642.1/68

In: 38.189+/-0.005 χ^2/NDF:5650416.0/55

Out: 37.646+/-0.005 χ^2/NDF:7648876.2/59

All: 37.917+/-0.003 χ^2/NDF: 13305646.5/115



Right In: -0.000+/-0.009 χ^2/NDF: 42.9/32

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.009 χ^2/NDF: 49.0/35

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

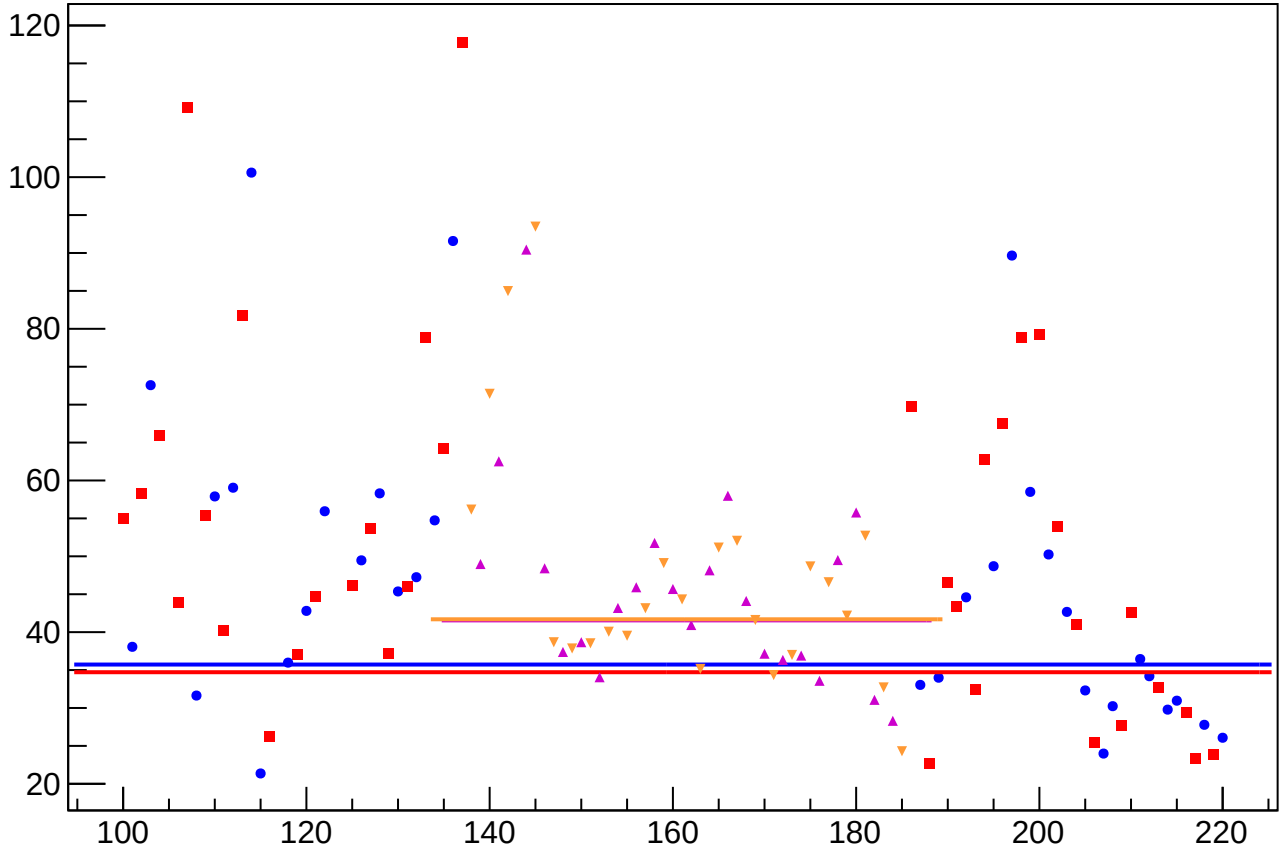
Right: -0.000+/-0.006 χ^2/NDF: 91.8/68

In: -0.004+/-0.007 χ^2/NDF:65.2/55

Out: -0.005+/-0.007 χ^2/NDF:71.7/59

All: -0.005+/-0.005 χ^2/NDF: 136.9/115

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.728+/-0.006 χ^2/NDF: 3680956.7/32

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 34.716+/-0.006 χ^2/NDF: 5313905.6/35

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

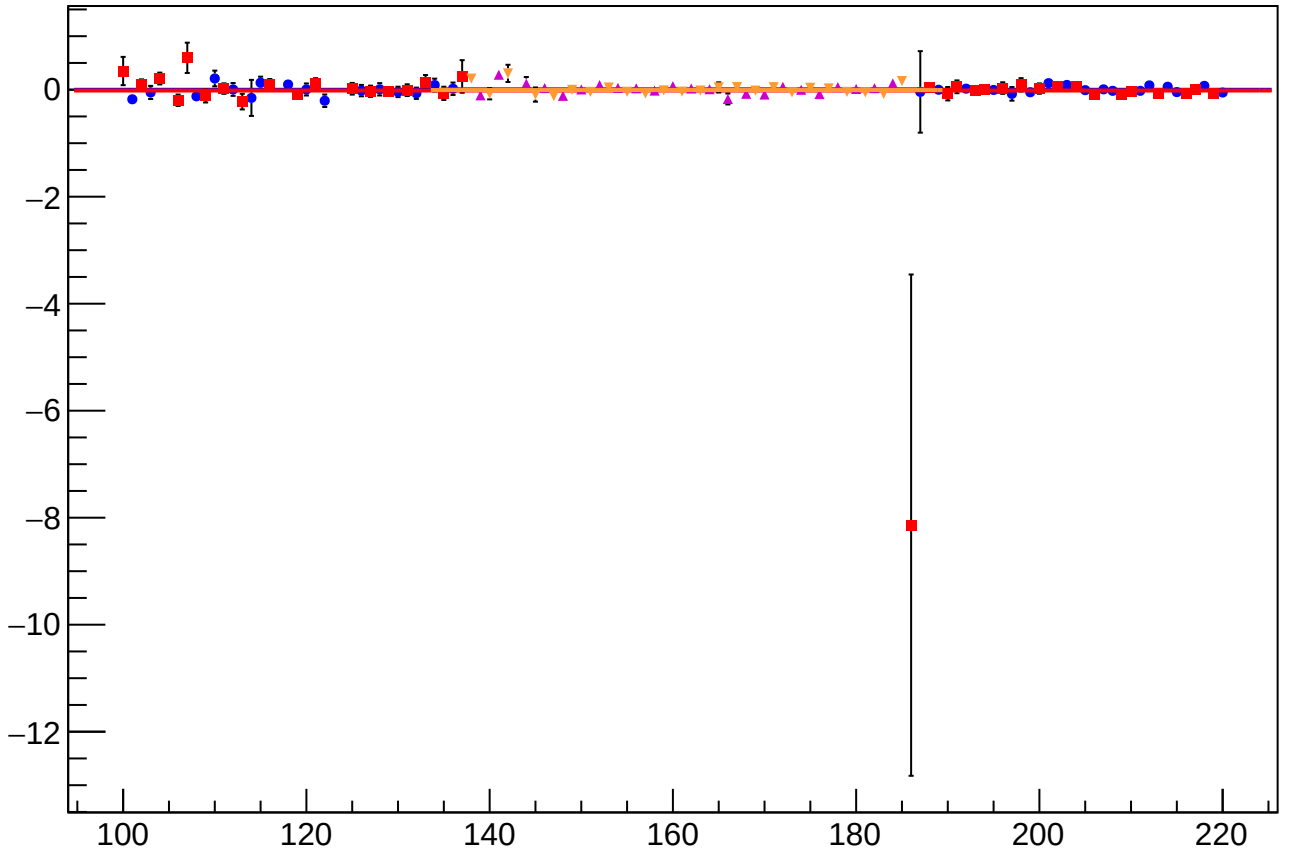
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 35.220+/-0.004 χ^2/NDF: 9007642.1/68

In: 38.189+/-0.005 χ^2/NDF:5650416.0/55

Out: 37.646+/-0.005 χ^2/NDF:7648876.2/59

All: 37.917+/-0.003 χ^2/NDF: 13305646.5/115



Right In: -0.002+/-0.013 χ^2/NDF: 31.0/32

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.015+/-0.014 χ^2/NDF: 39.3/35

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

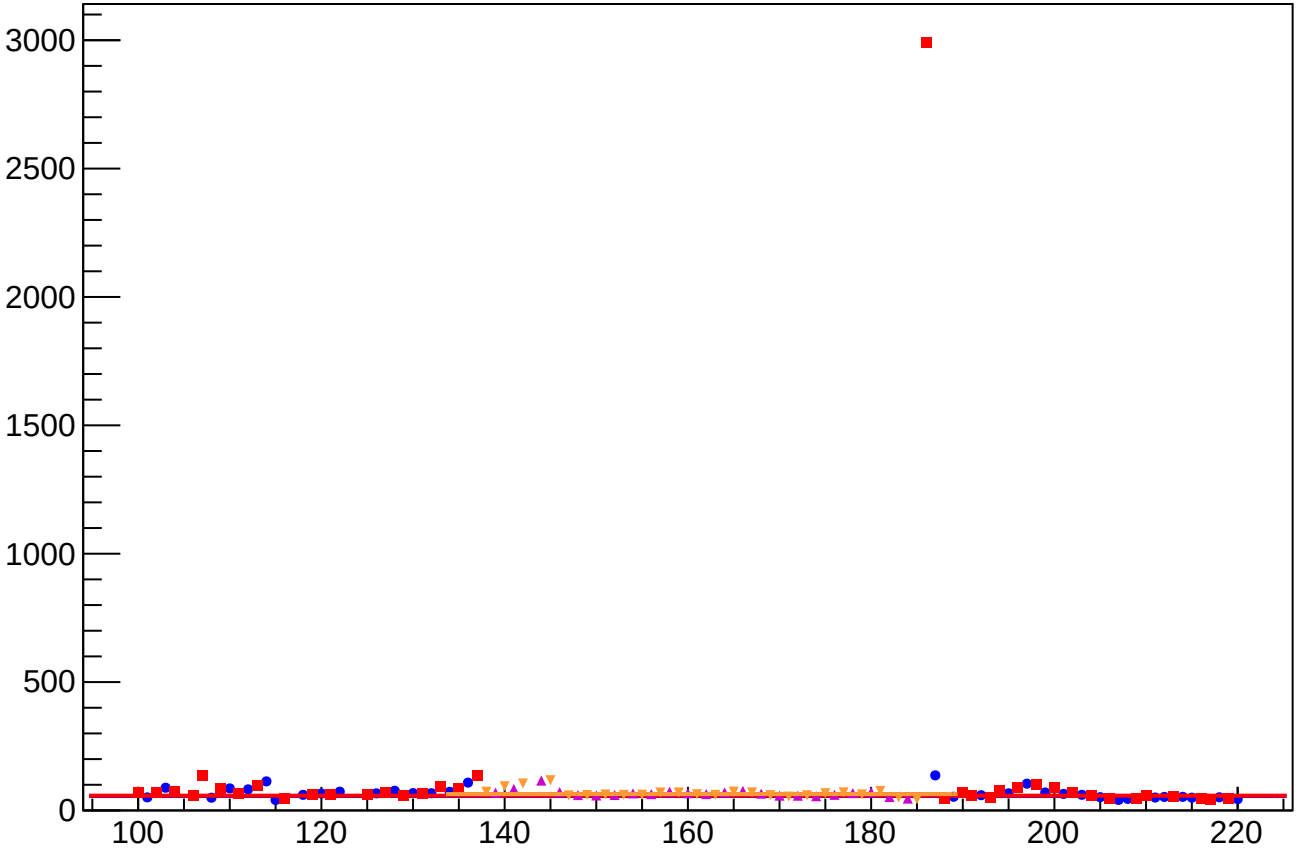
Right: -0.008+/-0.009 χ^2/NDF: 70.8/68

In: 0.002+/-0.010 χ^2/NDF:59.3/55

Out: -0.012+/-0.010 χ^2/NDF:63.1/59

All: -0.005+/-0.007 χ^2/NDF: 123.4/115

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.146+/-0.009 χ^2/NDF: 2053190.3/32

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 57.624+/-0.010 χ^2/NDF: 3173762.4/35

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

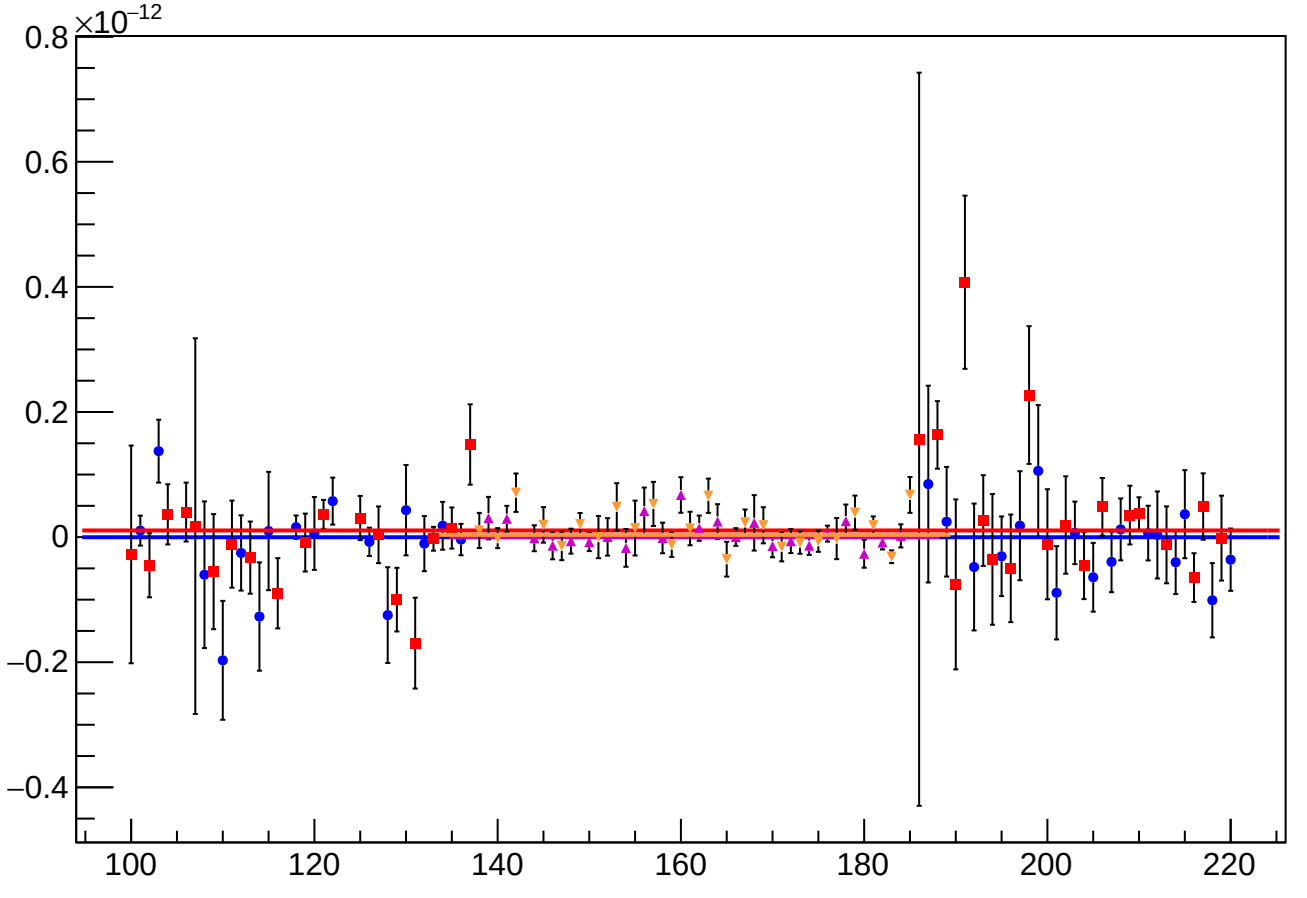
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 56.864+/-0.007 χ^2/NDF: 5239110.7/68

In: 59.467+/-0.007 χ^2/NDF:3192406.4/55

Out: 60.319+/-0.007 χ^2/NDF:4431945.6/59

All: 59.887+/-0.005 χ^2/NDF: 7631435.6/115



Right In: -0.000+/-0.000 χ^2/NDF: 30.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 52.9/35

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

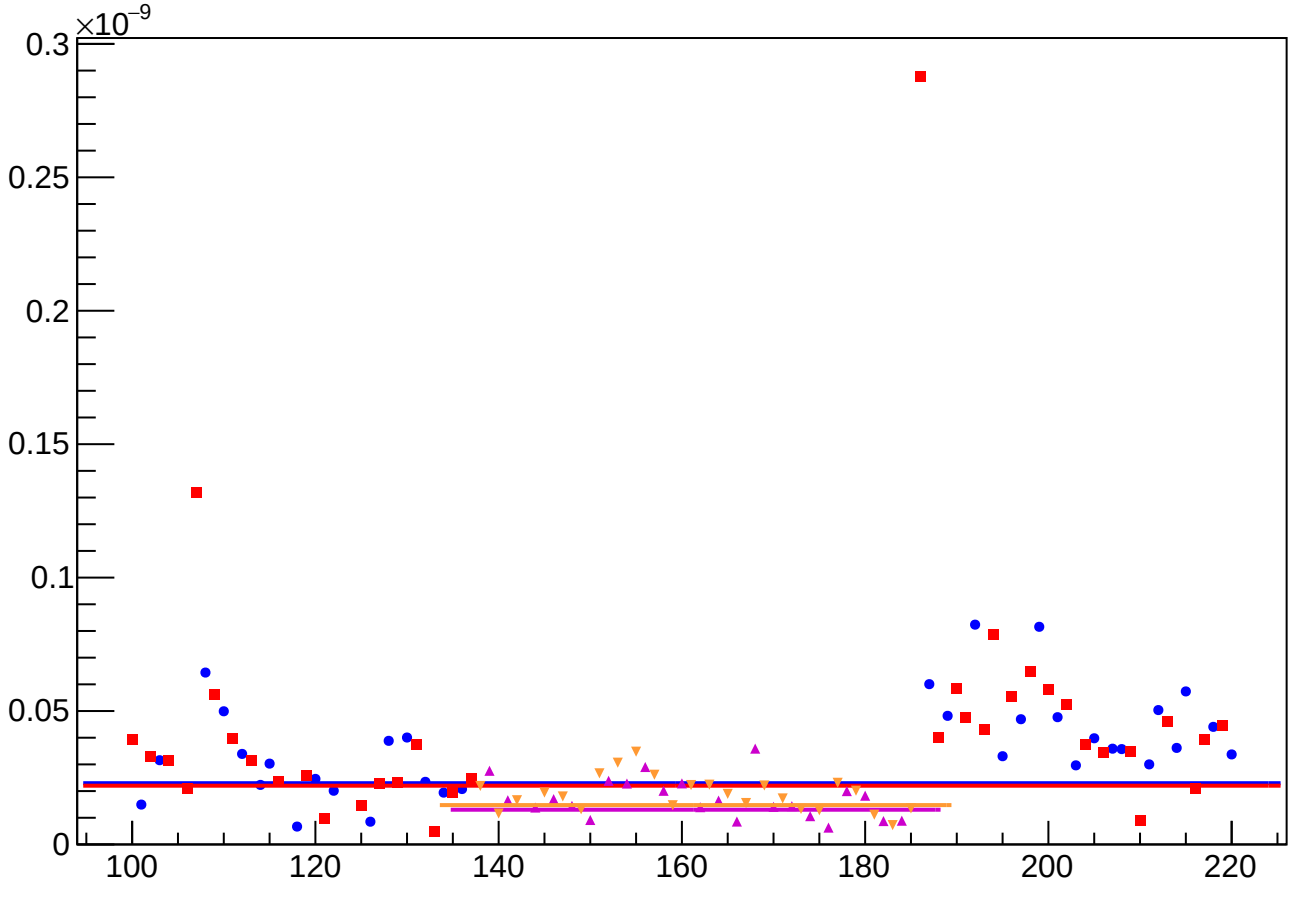
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 84.6/68

In: 0.000+/-0.000 χ^2/NDF:47.9/55

Out: 0.000+/-0.000 χ^2/NDF:94.1/59

All: 0.000+/-0.000 χ^2/NDF: 143.0/115



Right In: 0.000+/-0.000 χ^2/NDF: 7168739.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7848785.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

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

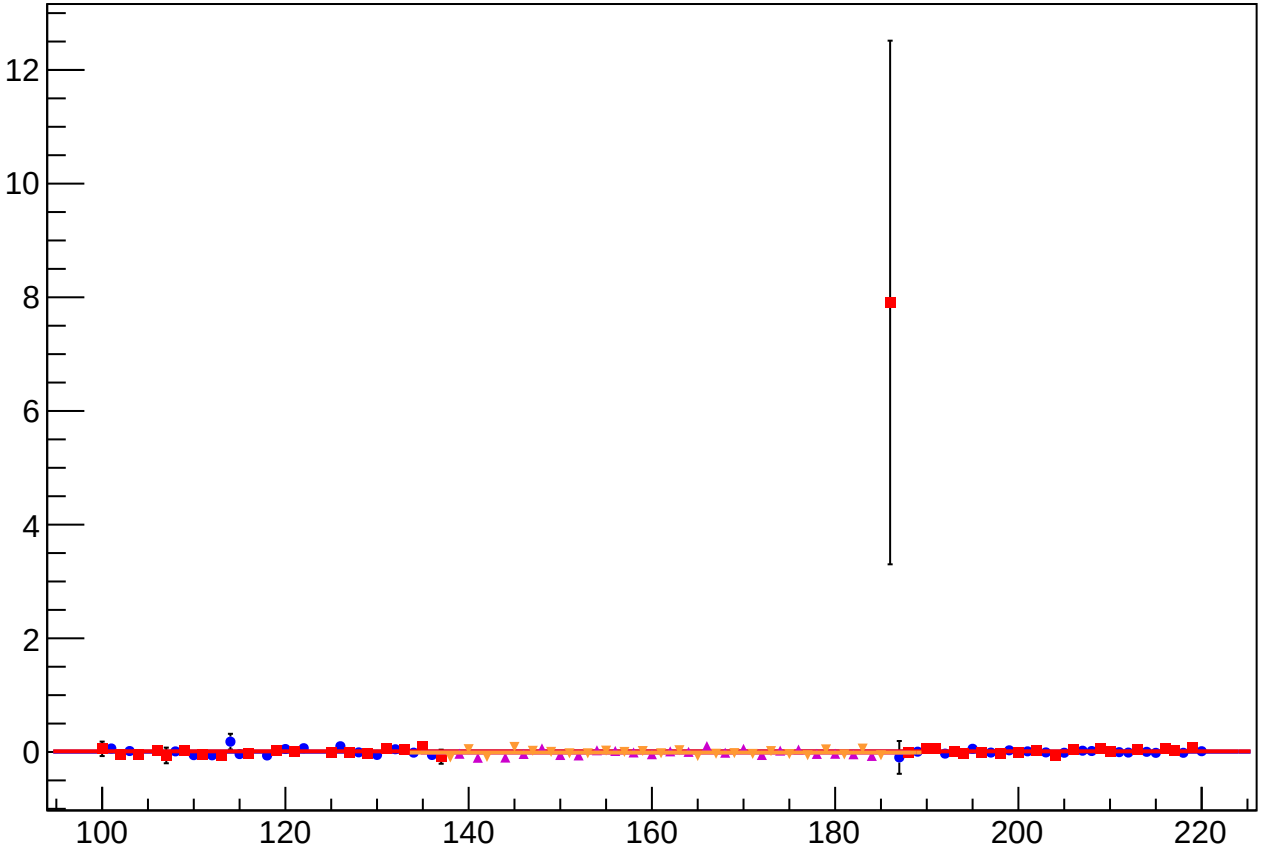
Right: 0.000+/-0.000 χ^2/NDF: 15031625.7/68

In: 0.000+/-0.000 χ^2/NDF:13636979.0/55

Out: 0.000+/-0.000 χ^2/NDF:12664245.3/59

All: 0.000+/-0.000 χ^2/NDF: 26430506.8/115

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 20.8/32

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.012+/-0.007 χ^2/NDF: 36.3/35

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

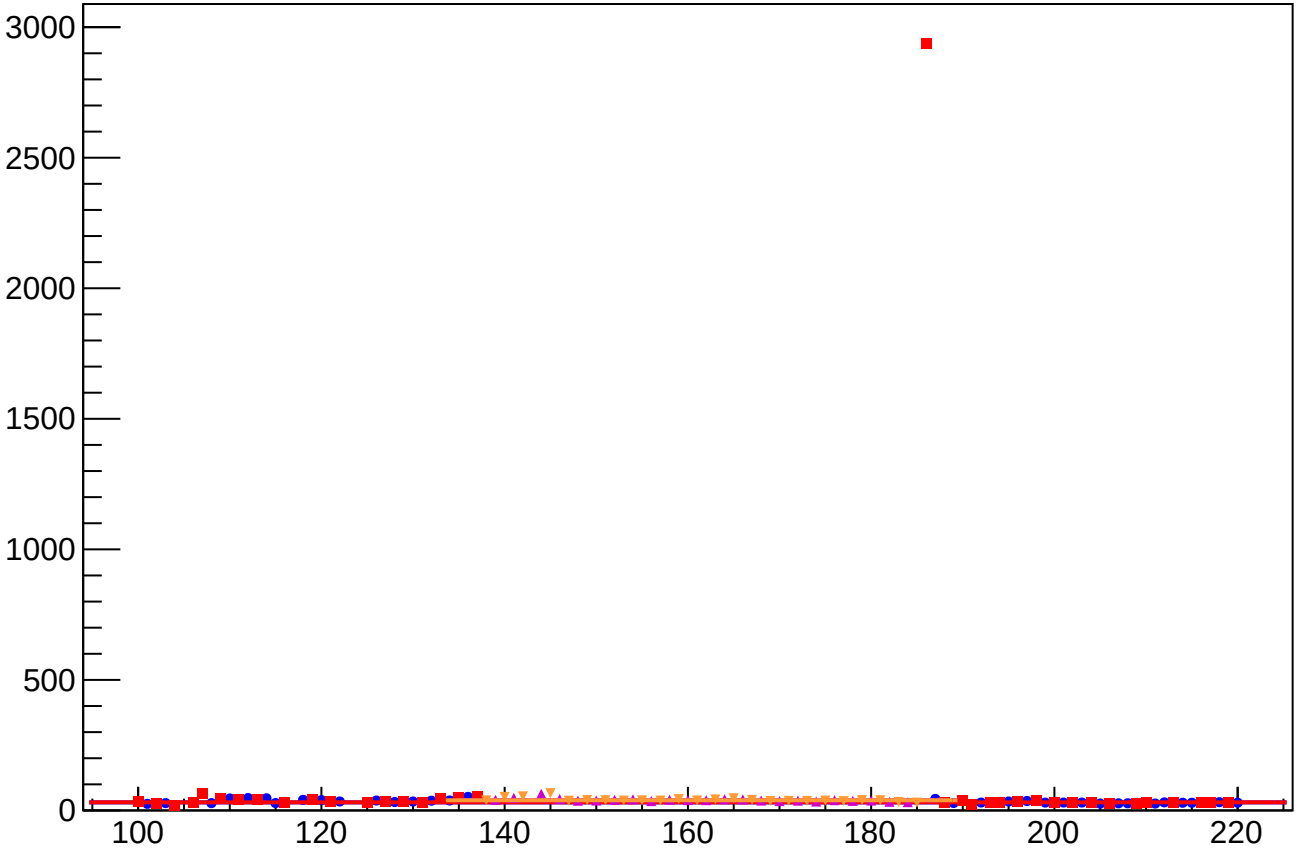
Right: 0.009+/-0.005 χ^2/NDF: 57.5/68

In: -0.001+/-0.006 χ^2/NDF:46.0/55

Out: 0.004+/-0.006 χ^2/NDF:59.0/59

All: 0.002+/-0.004 χ^2/NDF: 105.3/115

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.887+/-0.005 χ^2/NDF: 975449.5/32

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.120+/-0.005 χ^2/NDF: 2010317.1/35

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

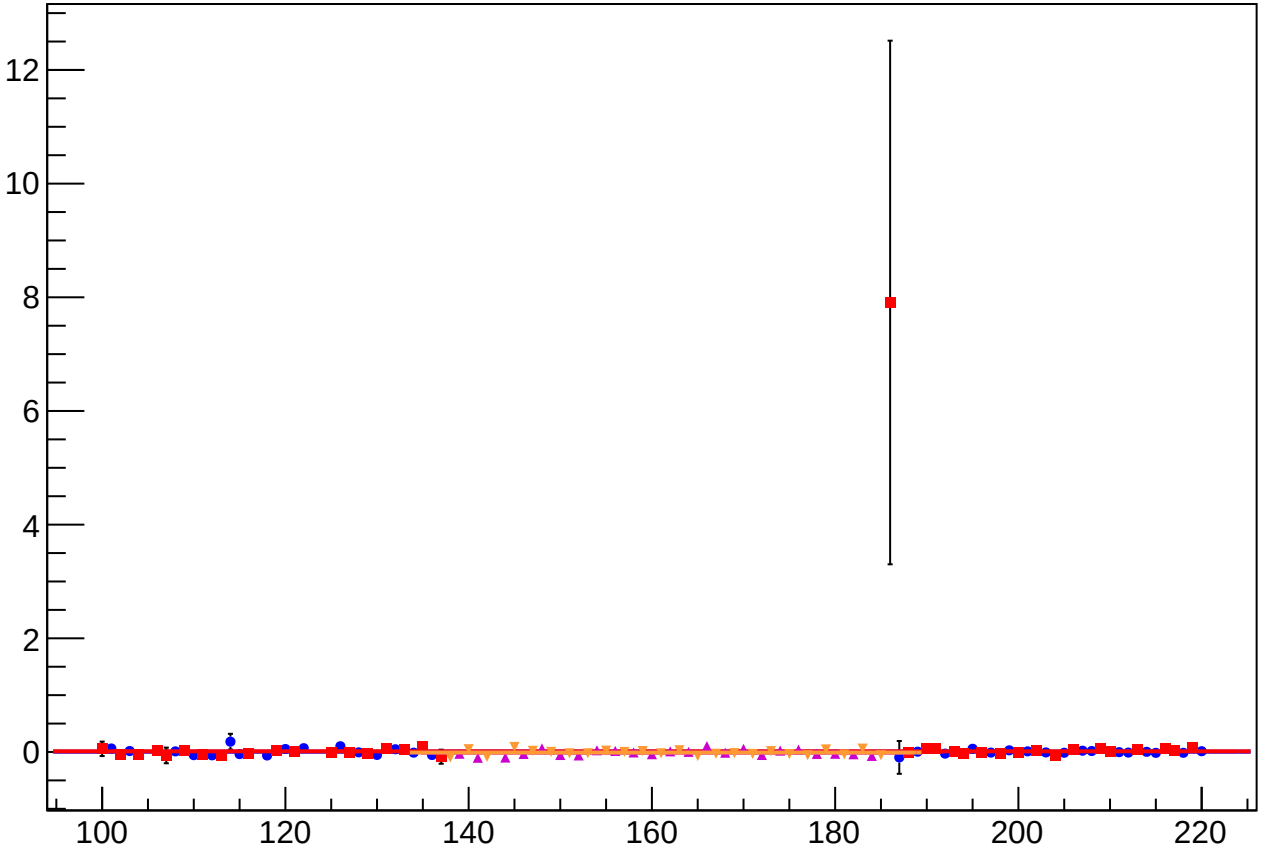
Right: 31.003+/-0.004 χ^2/NDF: 2986815.2/68

In: 33.867+/-0.004 χ^2/NDF:2461080.6/55

Out: 34.007+/-0.004 χ^2/NDF:3505336.7/59

All: 33.937+/-0.003 χ^2/NDF: 5967018.5/115

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 20.8/32

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.012+/-0.007 χ^2/NDF: 36.3/35

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

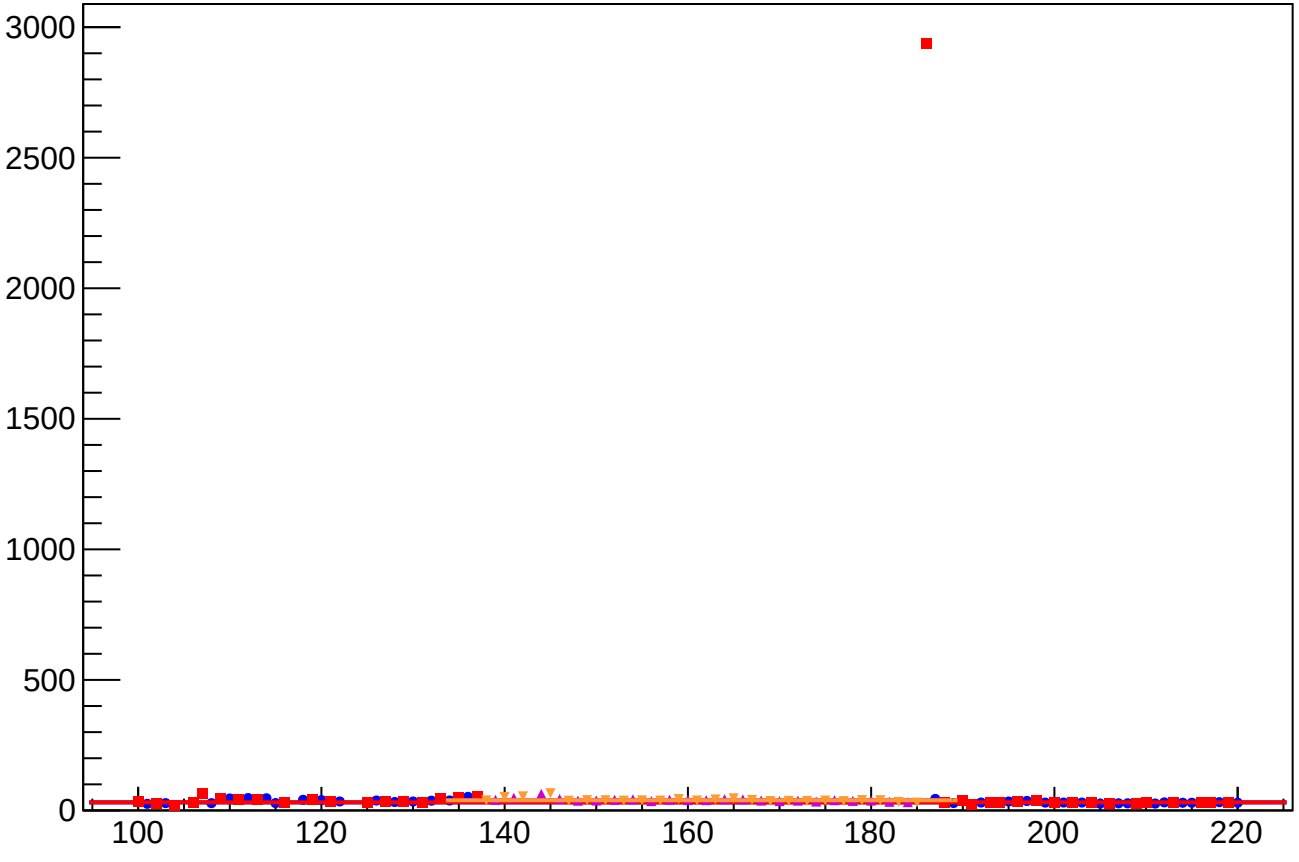
Right: 0.009+/-0.005 χ^2/NDF: 57.5/68

In: -0.001+/-0.006 χ^2/NDF:46.0/55

Out: 0.004+/-0.006 χ^2/NDF:59.0/59

All: 0.002+/-0.004 χ^2/NDF: 105.3/115

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.887+/-0.005 χ^2/NDF: 975449.5/32

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.120+/-0.005 χ^2/NDF: 2010317.1/35

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

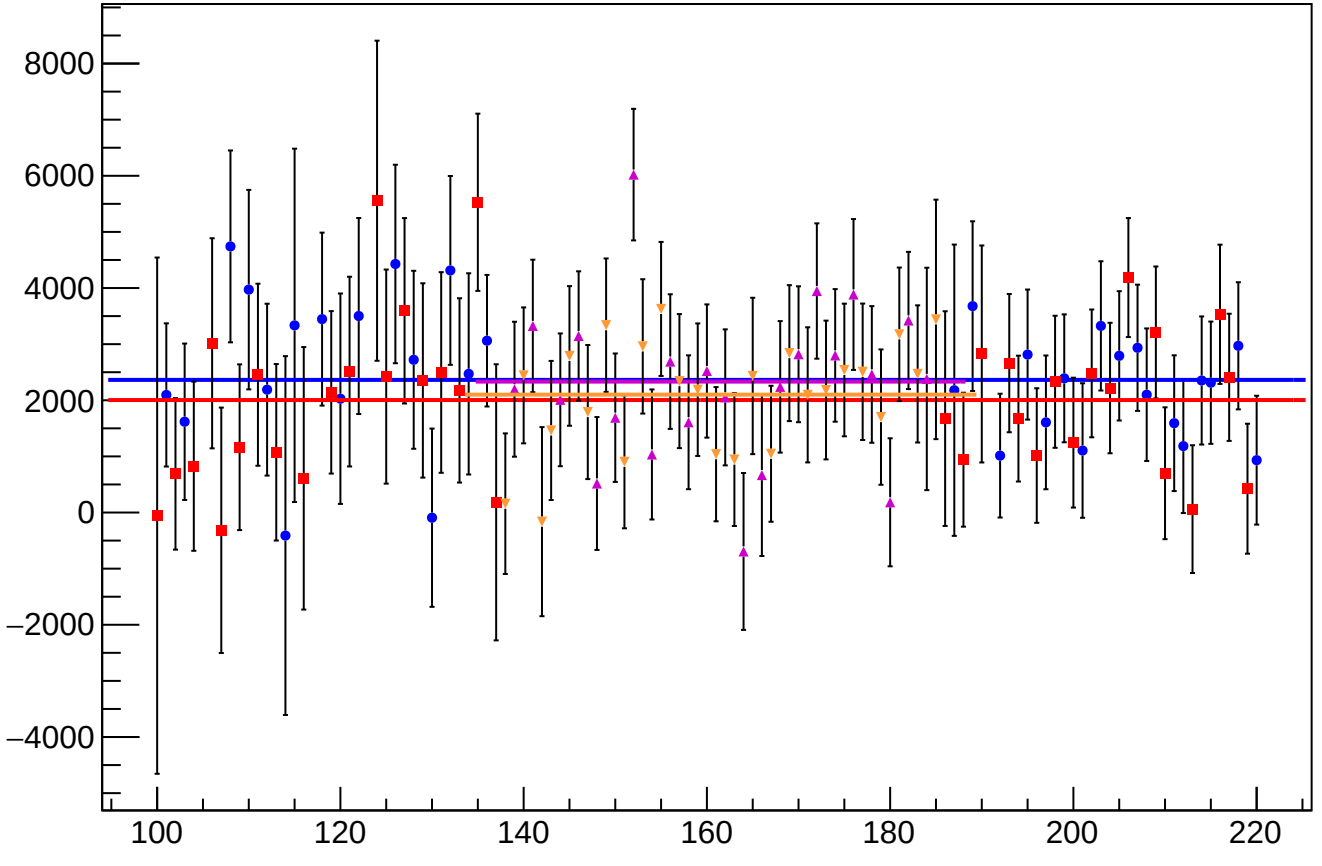
Right: 31.003+/-0.004 χ^2/NDF: 2986815.2/68

In: 33.867+/-0.004 χ^2/NDF:2461080.6/55

Out: 34.007+/-0.004 χ^2/NDF:3505336.7/59

All: 33.937+/-0.003 χ^2/NDF: 5967018.5/115

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2363.444+/-236.849 χ^2/NDF: 18.7/32

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2004.139+/-237.075 χ^2/NDF: 28.3/35

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

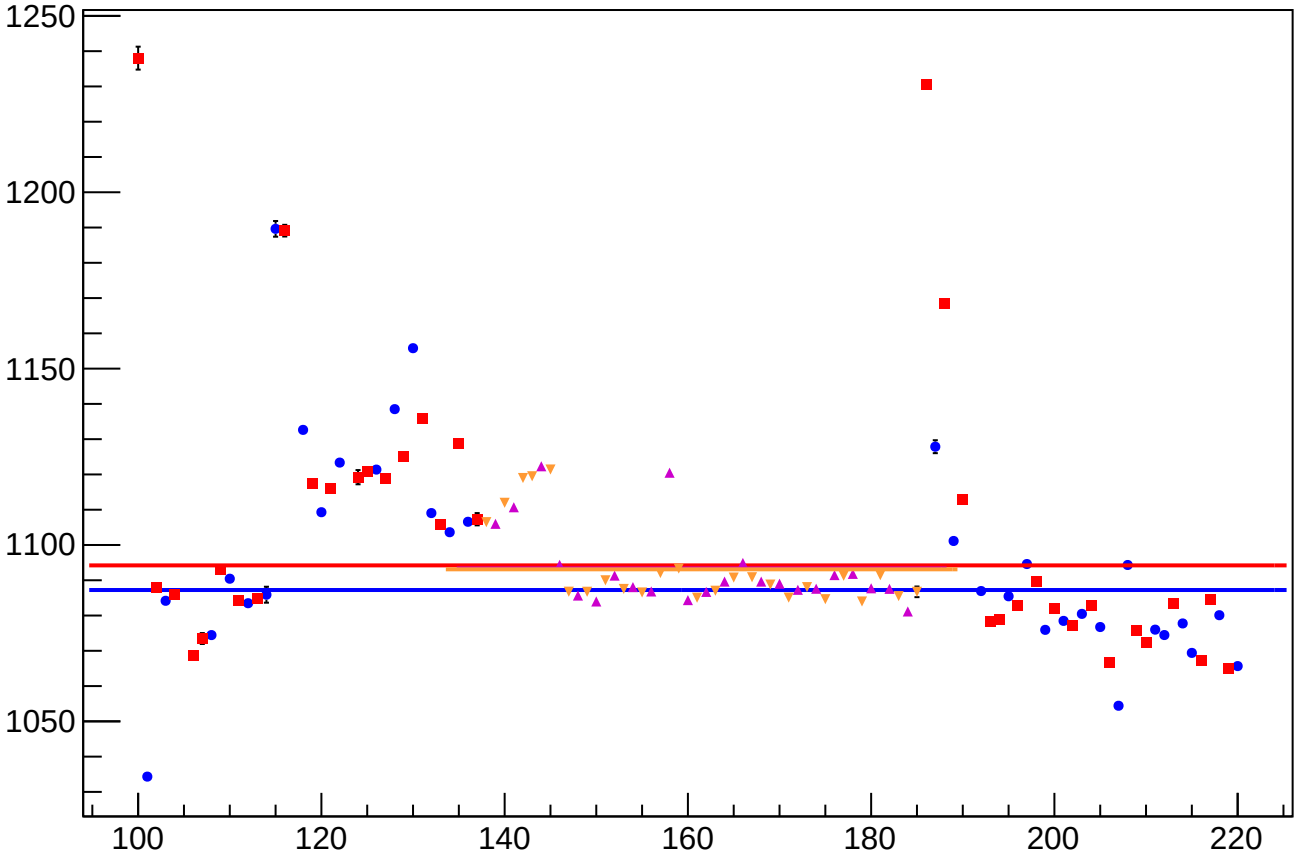
Right: 2183.963+/-167.557 χ^2/NDF: 48.1/68

In: 2349.340+/-173.630 χ^2/NDF:48.2/55

Out: 2050.042+/-171.470 χ^2/NDF:42.2/60

All: 2197.819+/-122.004 χ^2/NDF: 91.9/116

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1087.235+/-0.167 χ^2/NDF: 21093.1/32

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

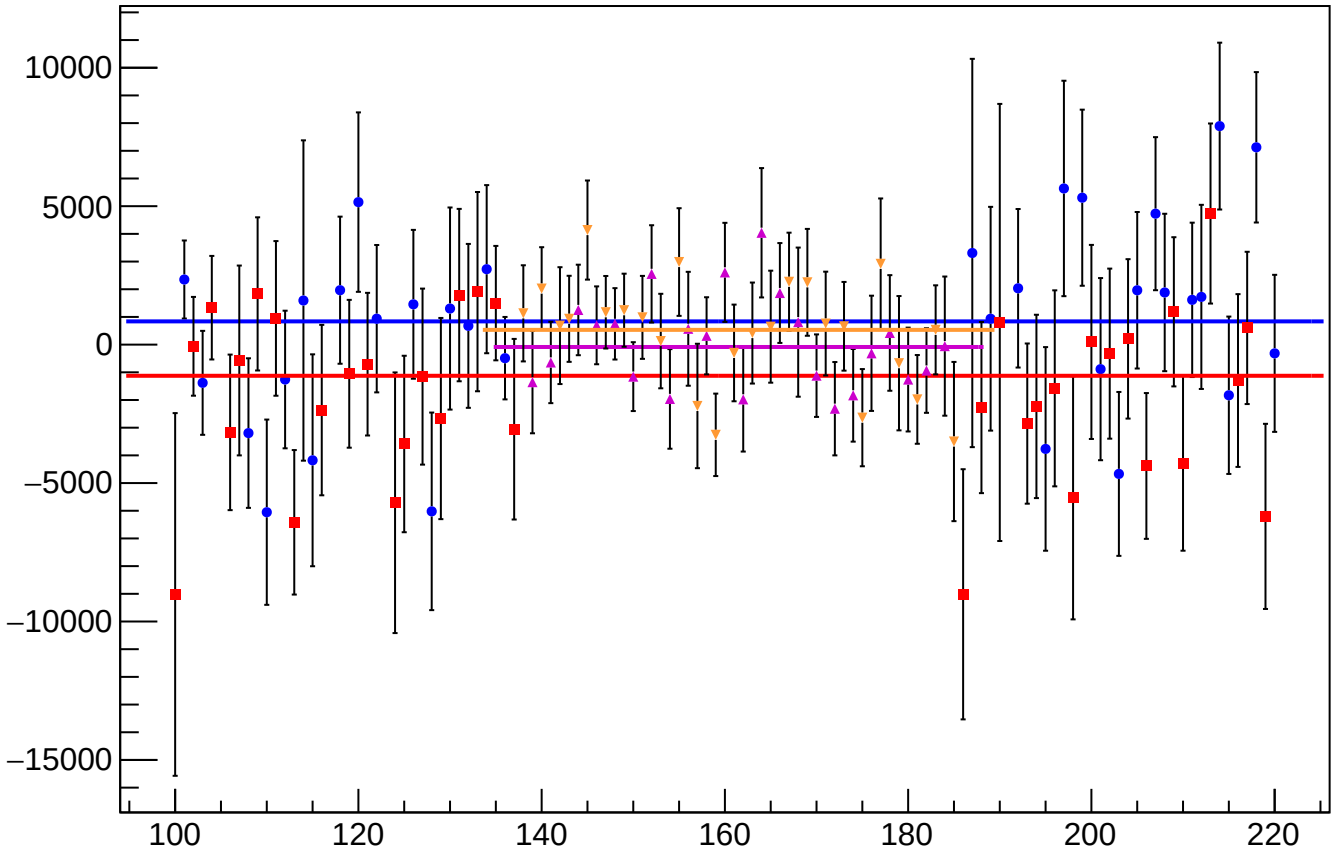
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.723+/-0.118 χ^2/NDF: 57644.2/68

In: 1090.058+/-0.123 χ^2/NDF:25433.2/55

Out: 1093.685+/-0.121 χ^2/NDF:39687.2/60

All: 1091.895+/-0.086 χ^2/NDF: 65562.2/116



Right In: 839.455+/-478.946 χ^2/NDF: 41.8/32

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1125.201+/-494.723 χ^2/NDF: 29.7/35

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

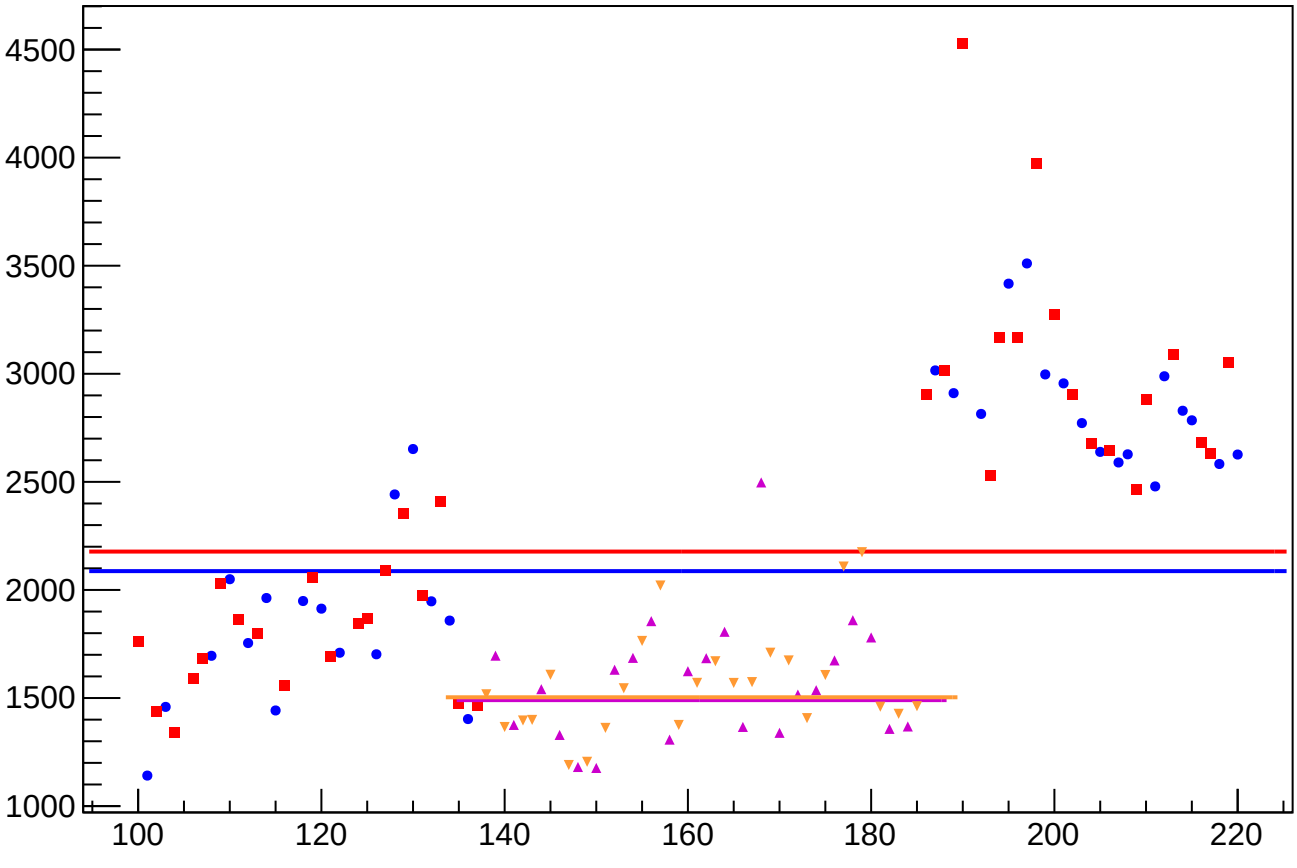
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -111.047+/-344.108 χ^2/NDF: 79.6/68

In: 241.314+/-284.645 χ^2/NDF:62.3/55

Out: -14.263+/-284.208 χ^2/NDF:63.7/60

All: 113.330+/-201.120 χ^2/NDF: 126.3/116



Right In: 2087.091+/-0.339 χ^2/NDF: 3827390.1/32

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

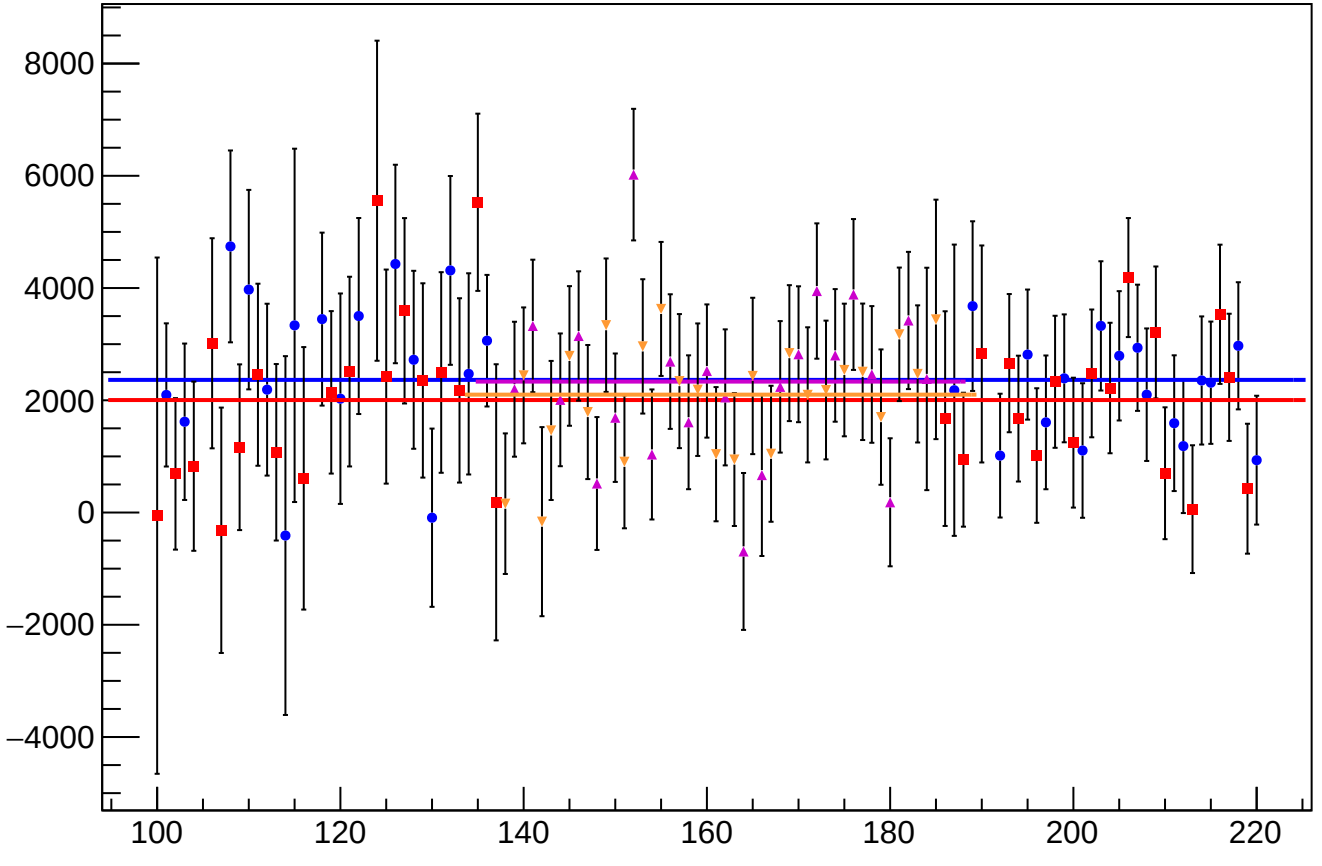
Right: 2130.840+/-0.243 χ^2/NDF: 7383050.6/68

In: 1701.102+/-0.201 χ^2/NDF:6803984.0/55

Out: 1725.902+/-0.201 χ^2/NDF:6808480.3/60

All: 1713.521+/-0.142 χ^2/NDF: 13620066.7/

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2363.444+/-236.849 χ^2/NDF: 18.7/32

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2004.139+/-237.075 χ^2/NDF: 28.3/35

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

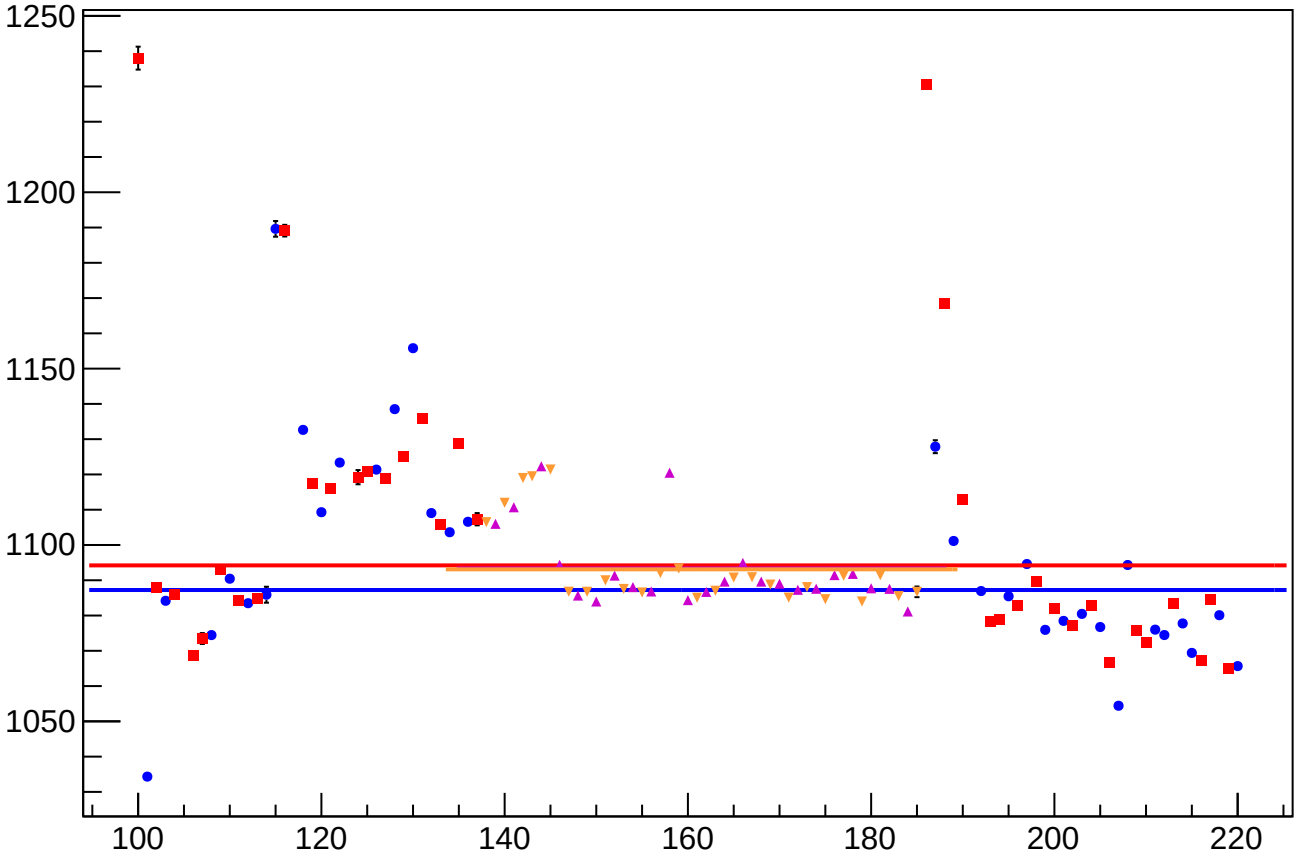
Right: 2183.963+/-167.557 χ^2/NDF: 48.1/68

In: 2349.340+/-173.630 χ^2/NDF:48.2/55

Out: 2050.042+/-171.470 χ^2/NDF:42.2/60

All: 2197.819+/-122.004 χ^2/NDF: 91.9/116

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1087.235+/-0.167 χ^2/NDF: 21093.1/32

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

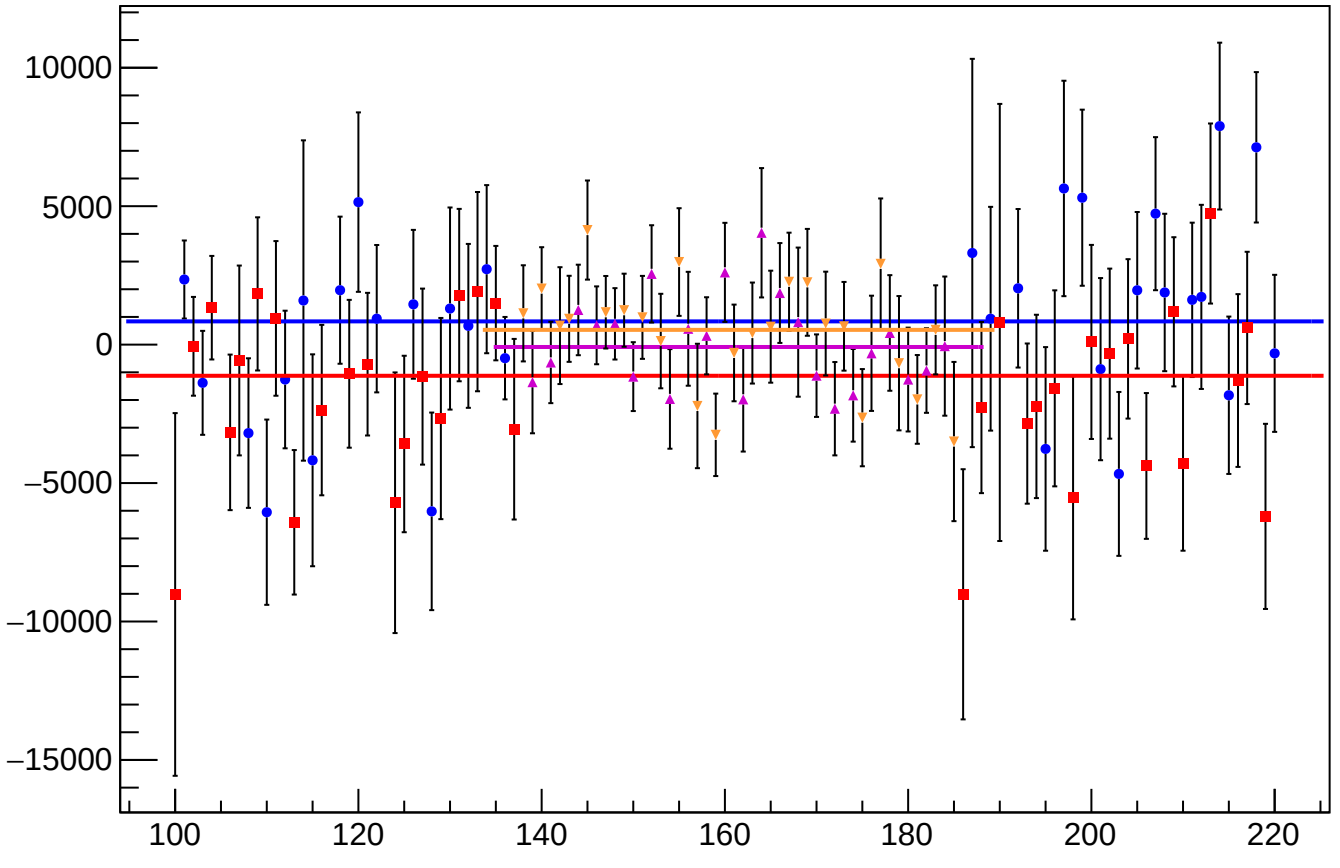
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.723+/-0.118 χ^2/NDF: 57644.2/68

In: 1090.058+/-0.123 χ^2/NDF:25433.2/55

Out: 1093.685+/-0.121 χ^2/NDF:39687.2/60

All: 1091.895+/-0.086 χ^2/NDF: 65562.2/116



Right In: 839.455+/-478.946 χ^2/NDF: 41.8/32

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1125.201+/-494.723 χ^2/NDF: 29.7/35

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

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

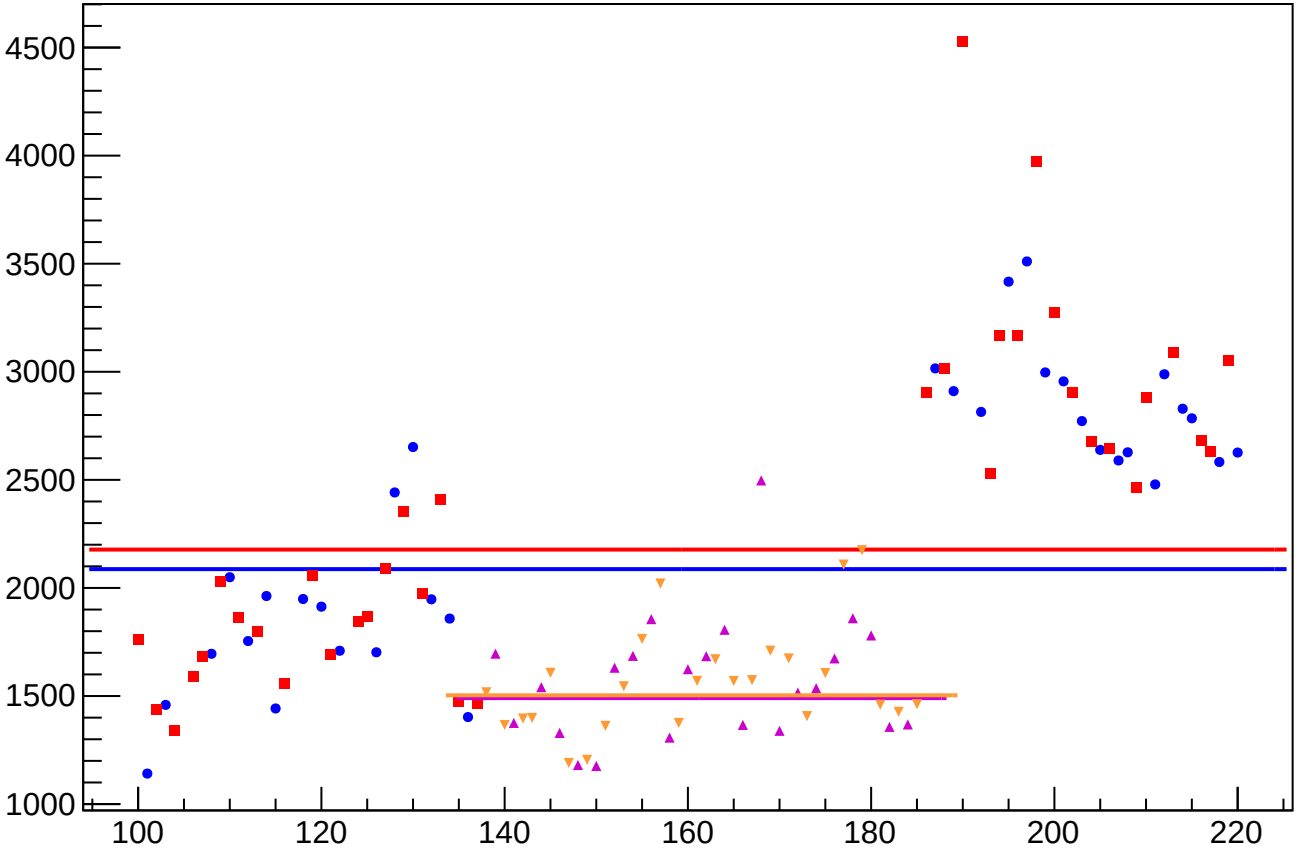
Right: -111.047+/-344.108 χ^2/NDF: 79.6/68

In: 241.314+/-284.645 χ^2/NDF:62.3/55

Out: -14.263+/-284.208 χ^2/NDF:63.7/60

All: 113.330+/-201.120 χ^2/NDF: 126.3/116

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 2087.091+/-0.339 χ^2/NDF: 3827390.1/32

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

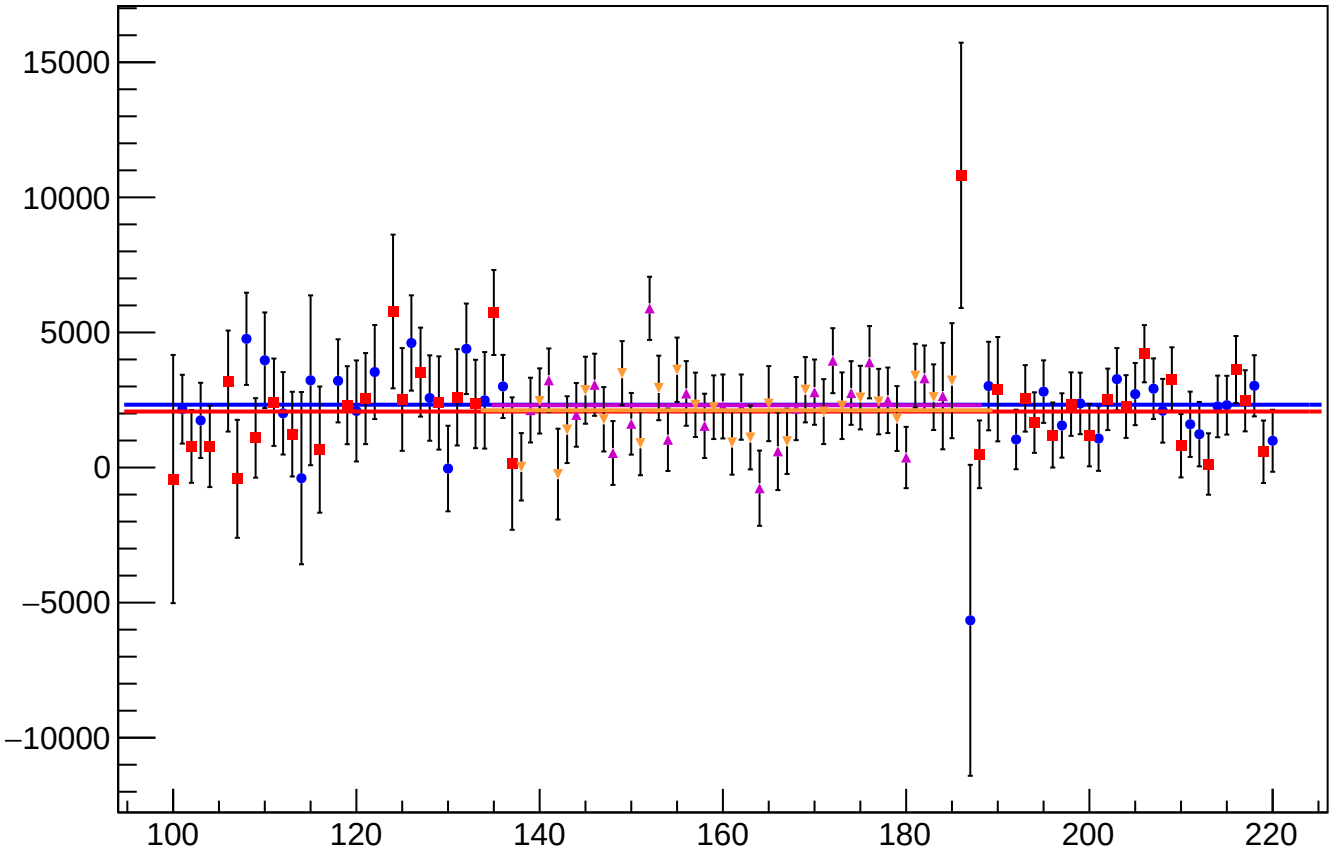
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2130.840+/-0.243 χ^2/NDF: 7383050.6/68

In: 1701.102+/-0.201 χ^2/NDF:6803984.0/55

Out: 1725.902+/-0.201 χ^2/NDF:6808480.3/60

All: 1713.521+/-0.142 χ^2/NDF: 13620066.7/



Right In: 2325.094+/-237.690 χ^2/NDF: 19.8/32

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2072.523+/-238.752 χ^2/NDF: 32.7/35

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

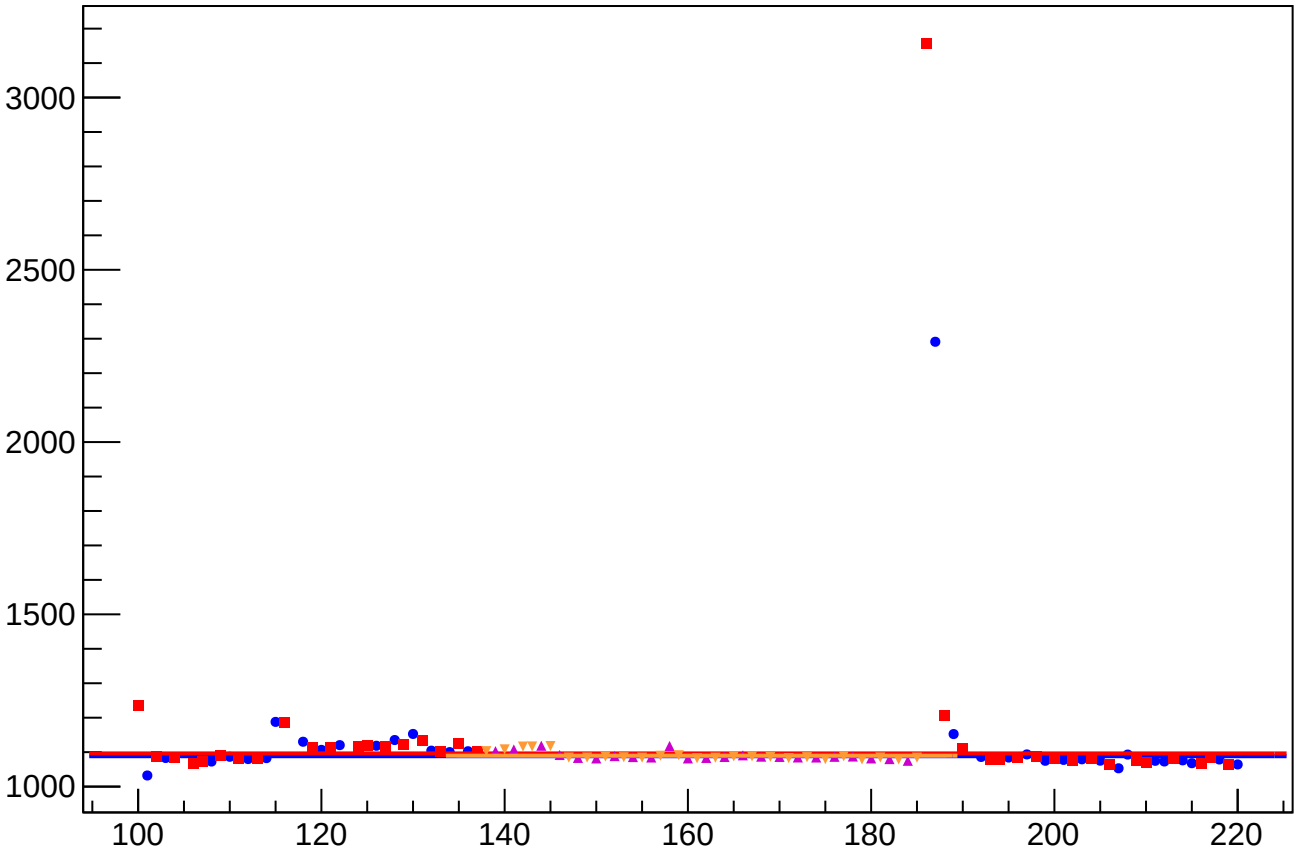
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2199.371+/-168.446 χ^2/NDF: 53.1/68

In: 2315.924+/-173.710 χ^2/NDF:48.2/55

Out: 2095.390+/-171.847 χ^2/NDF:47.9/60

All: 2204.468+/-122.168 χ^2/NDF: 96.9/116



Right In: 1088.209+/-0.168 χ^2/NDF: 110583.3/32

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1096.373+/-0.169 χ^2/NDF: 385763.9/35

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

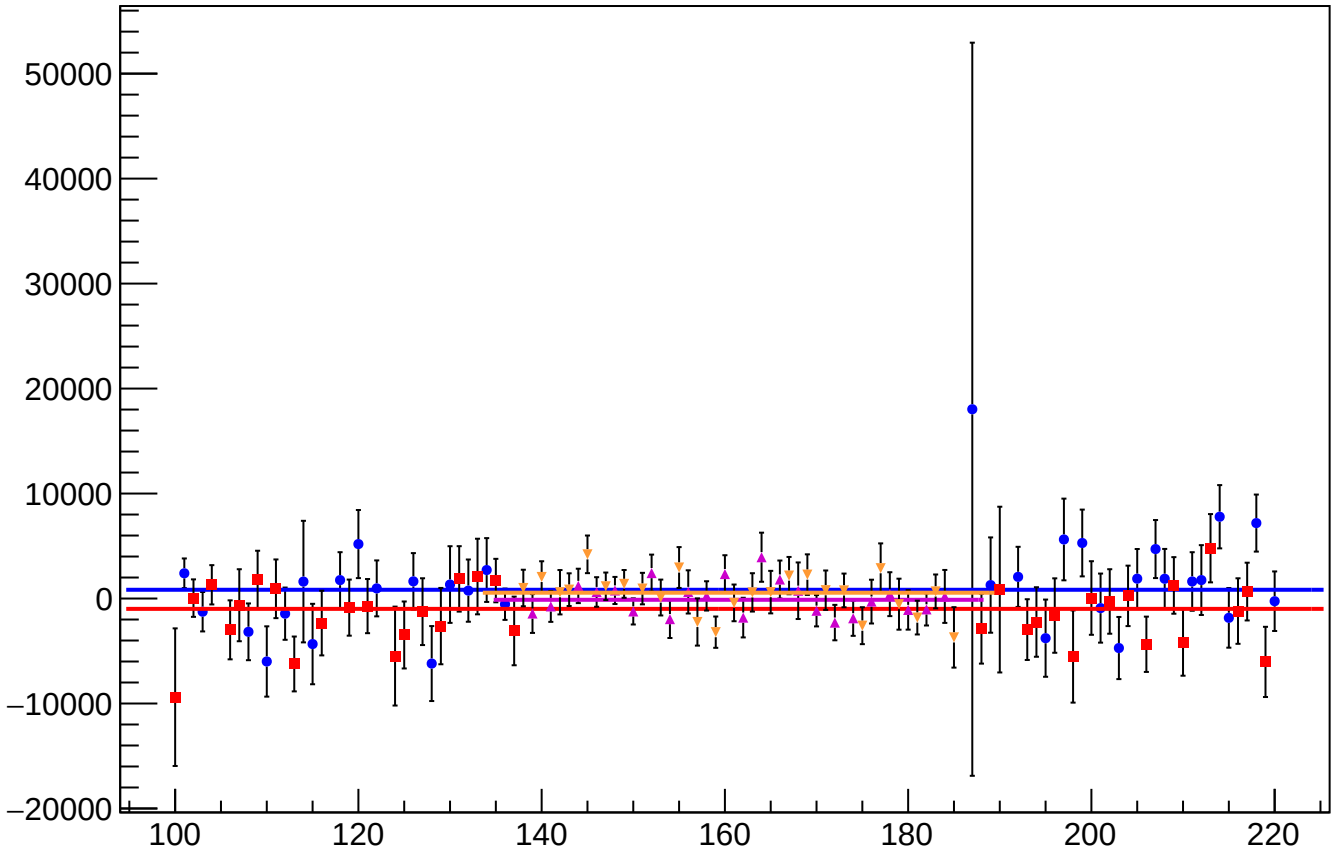
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1092.273+/-0.119 χ^2/NDF: 497521.8/68

In: 1089.027+/-0.123 χ^2/NDF:114530.1/55

Out: 1093.178+/-0.122 χ^2/NDF:390564.7/60

All: 1091.125+/-0.086 χ^2/NDF: 505672.1/116



Right In: 833.723+/-481.127 χ^2/NDF: 42.2/32

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -985.595+/-498.963 χ^2/NDF: 26.7/34

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

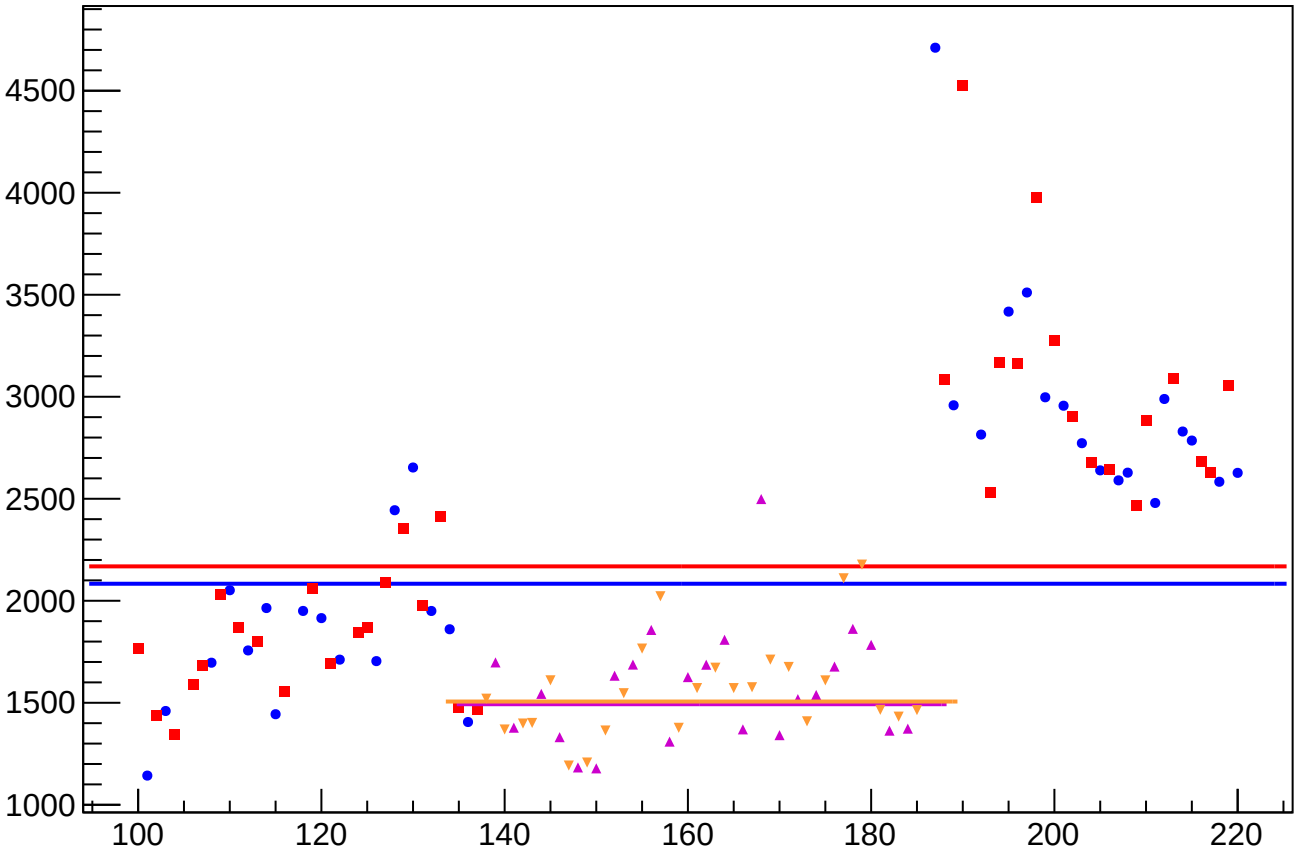
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -42.838+/-346.342 χ^2/NDF: 75.7/67

In: 214.712+/-285.418 χ^2/NDF:61.8/55

Out: 50.374+/-285.331 χ^2/NDF:59.2/59

All: 132.518+/-201.790 χ^2/NDF: 121.2/115



Right In: 2083.470+/-0.340 χ^2/NDF: 3780275.2/32

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2168.600+/-0.353 χ^2/NDF: 3457544.4/34

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

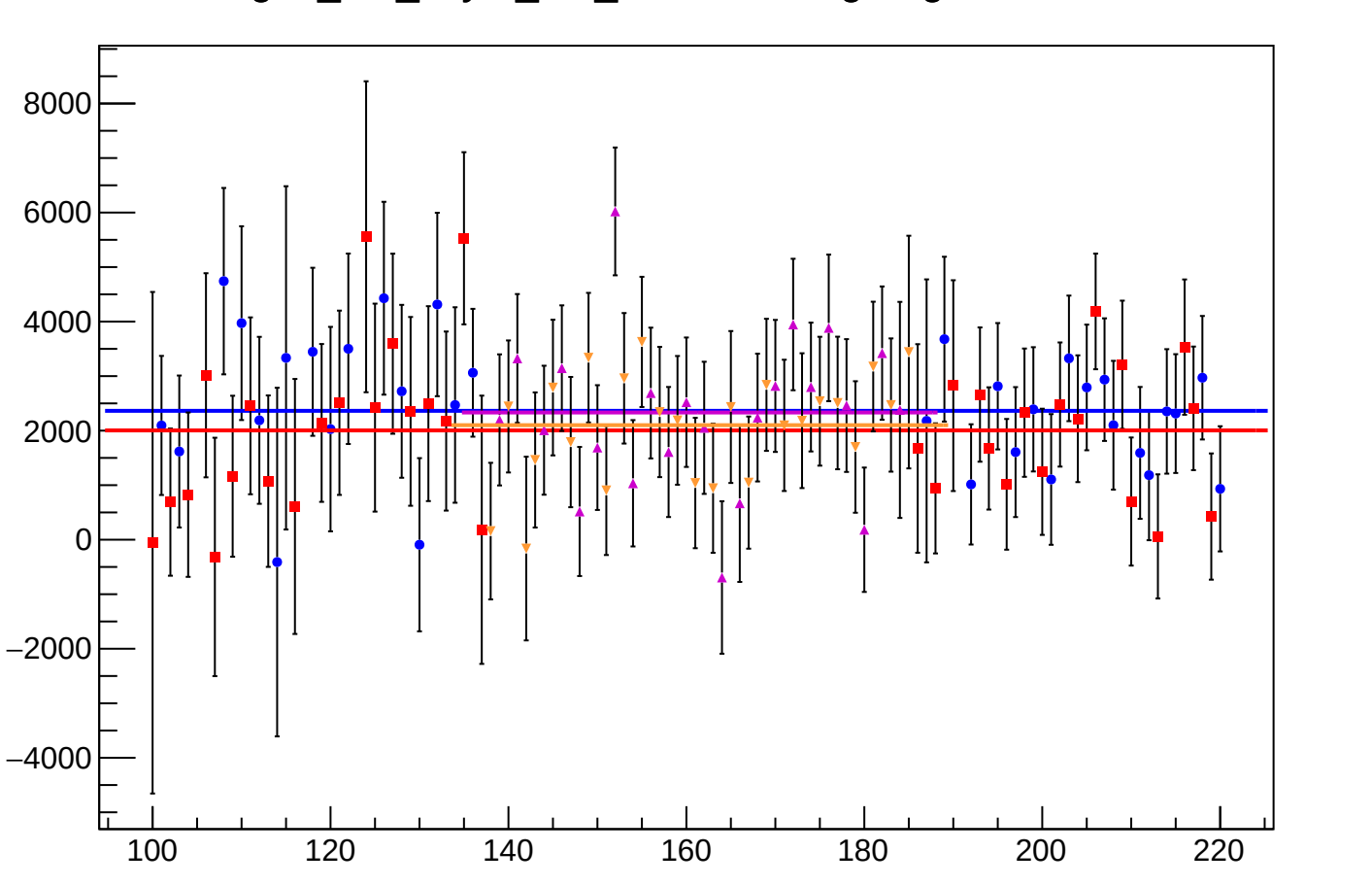
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 2124.486+/-0.245 χ^2/NDF: 7267987.4/67

In: 1700.782+/-0.202 χ^2/NDF:6697045.2/55

Out: 1722.746+/-0.202 χ^2/NDF:6626787.2/59

All: 1711.767+/-0.143 χ^2/NDF: 13329756.5/1



Right In: 2363.444+/-236.849 χ^2/NDF: 18.7/32

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2004.139+/-237.075 χ^2/NDF: 28.3/35

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

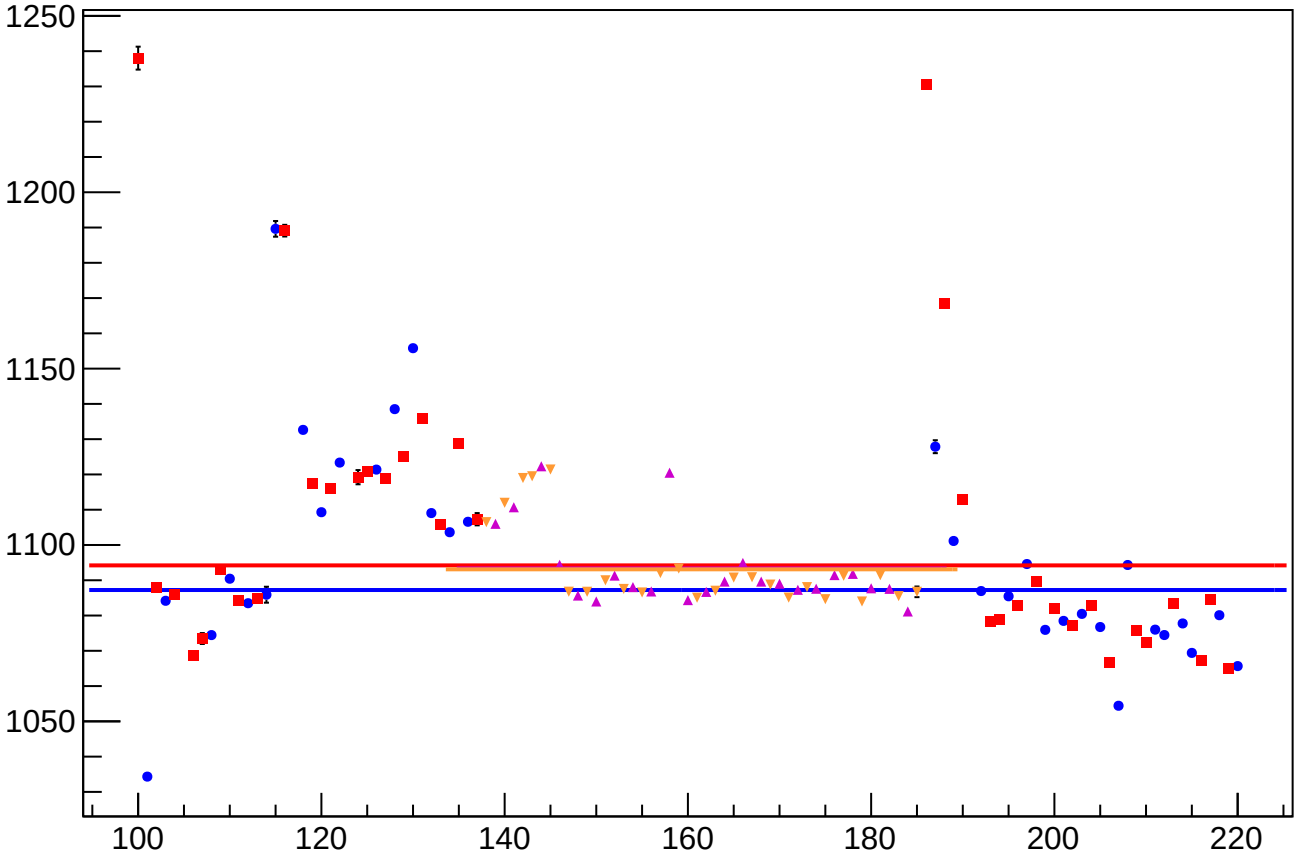
Right: 2183.963+/-167.557 χ^2/NDF: 48.1/68

In: 2349.340+/-173.630 χ^2/NDF:48.2/55

Out: 2050.042+/-171.470 χ^2/NDF:42.2/60

All: 2197.819+/-122.004 χ^2/NDF: 91.9/116

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1087.235+/-0.167 χ^2/NDF: 21093.1/32

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

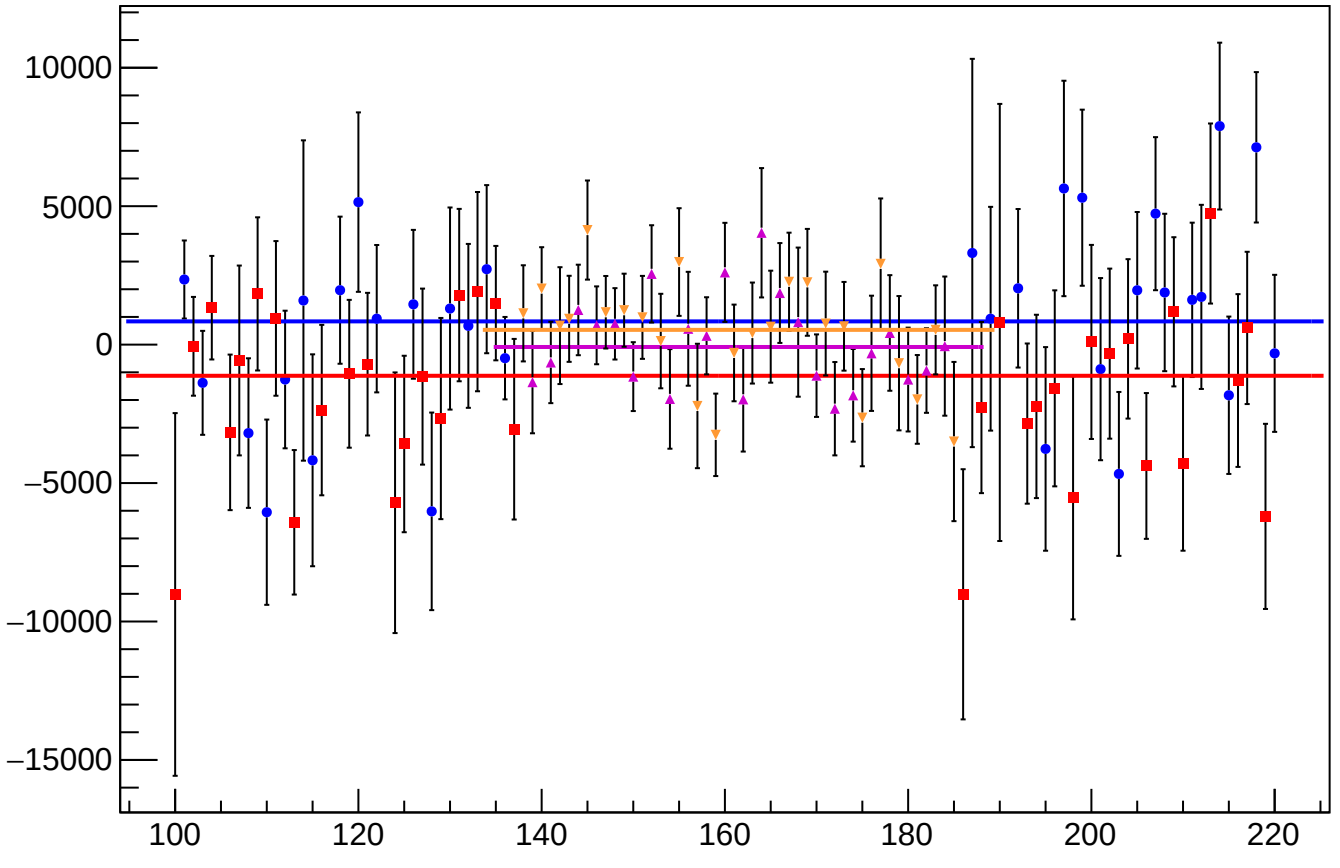
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1090.723+/-0.118 χ^2/NDF: 57644.2/68

In: 1090.058+/-0.123 χ^2/NDF:25433.2/55

Out: 1093.685+/-0.121 χ^2/NDF:39687.2/60

All: 1091.895+/-0.086 χ^2/NDF: 65562.2/116



Right In: 839.455+/-478.946 χ^2/NDF: 41.8/32

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1125.201+/-494.723 χ^2/NDF: 29.7/35

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

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

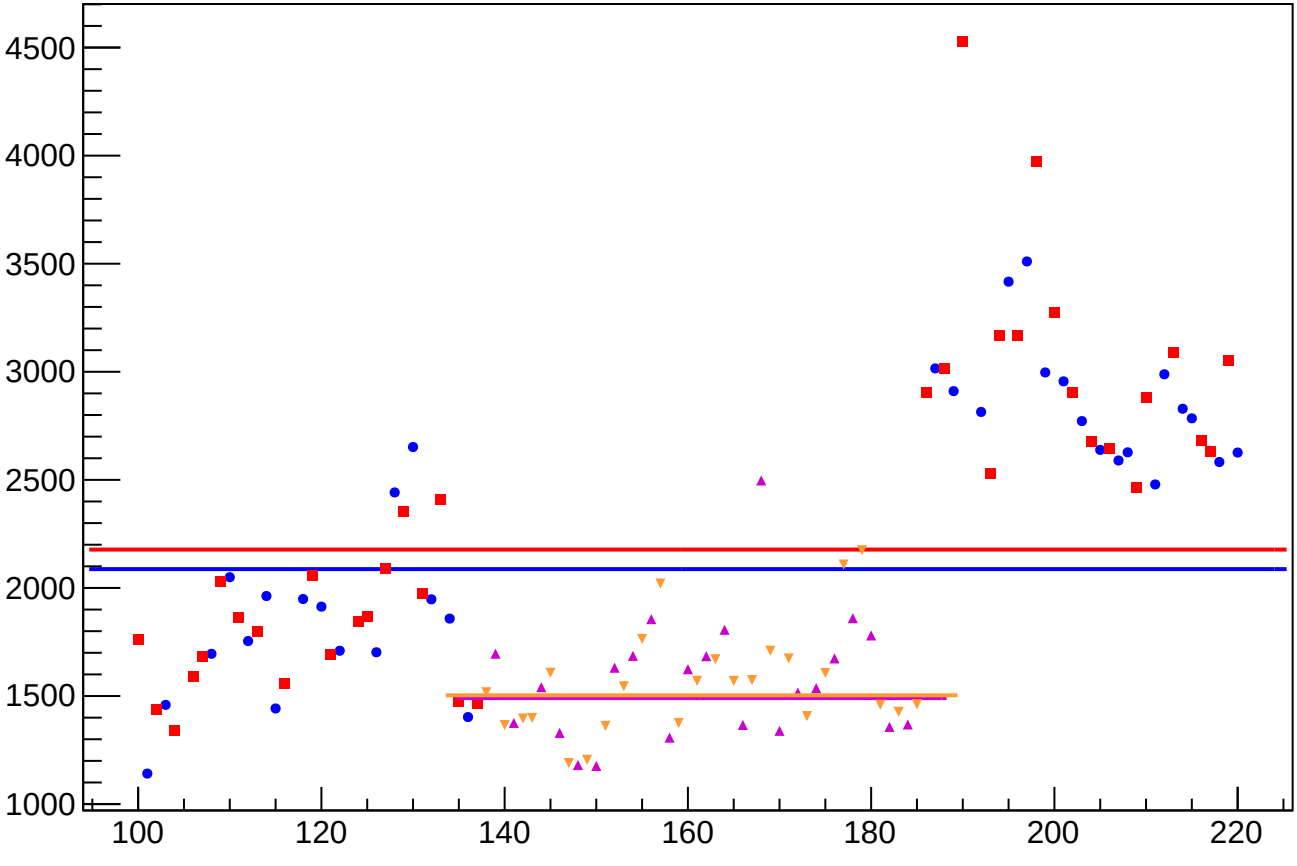
Right: -111.047+/-344.108 χ^2/NDF: 79.6/68

In: 241.314+/-284.645 χ^2/NDF:62.3/55

Out: -14.263+/-284.208 χ^2/NDF:63.7/60

All: 113.330+/-201.120 χ^2/NDF: 126.3/116

asym_usr_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2087.091+/-0.339 χ^2/NDF: 3827390.1/32

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

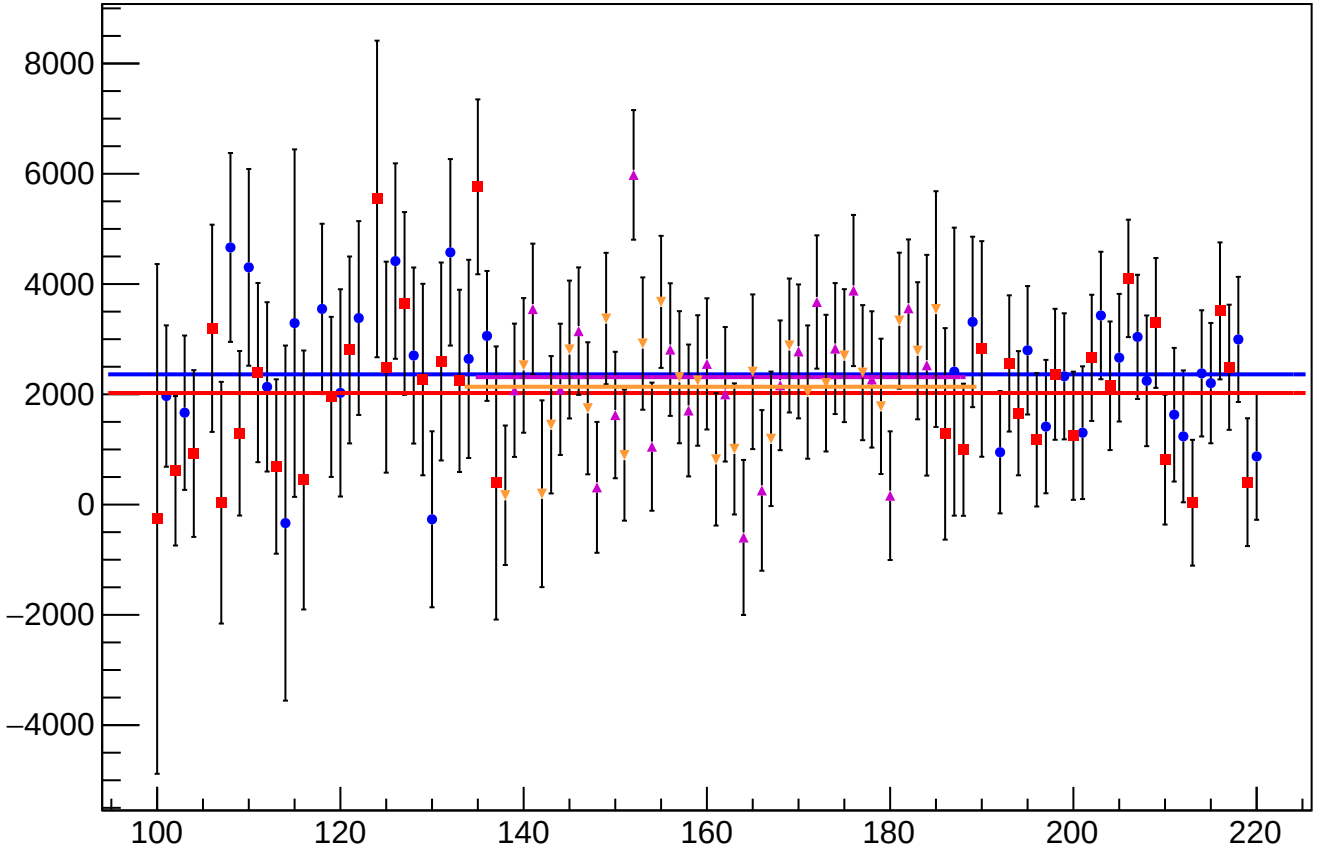
Right: 2130.840+/-0.243 χ^2/NDF: 7383050.6/68

In: 1701.102+/-0.201 χ^2/NDF:6803984.0/55

Out: 1725.902+/-0.201 χ^2/NDF:6808480.3/60

All: 1713.521+/-0.142 χ^2/NDF: 13620066.7/1

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2362.097+/-237.908 χ^2/NDF: 19.4/32

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2023.612+/-238.063 χ^2/NDF: 28.7/35

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

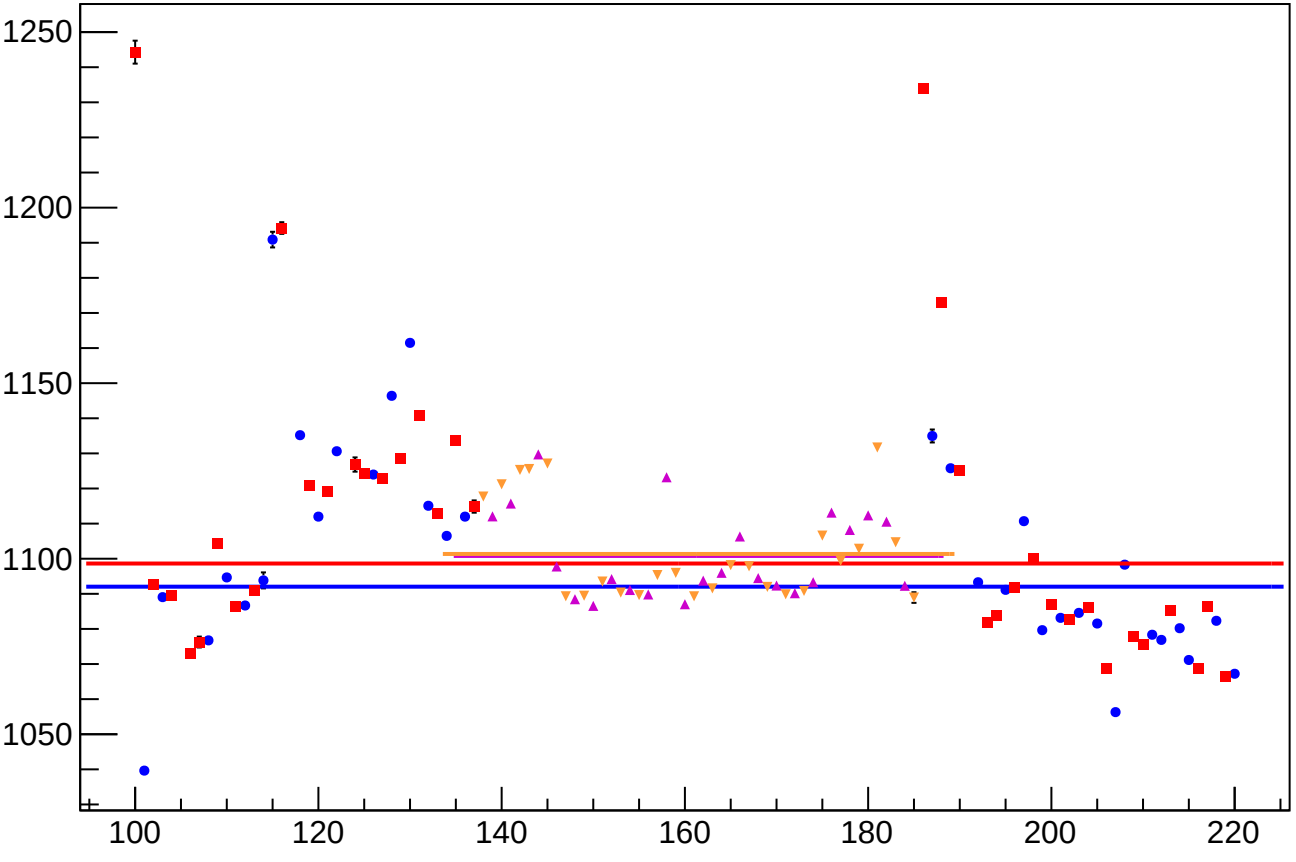
Right: 2192.964+/-168.281 χ^2/NDF: 49.1/68

In: 2338.871+/-174.598 χ^2/NDF:49.3/55

Out: 2077.578+/-172.465 χ^2/NDF:42.8/60

All: 2206.619+/-122.698 χ^2/NDF: 93.2/116

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1092.034+/-0.168 χ^2/NDF: 23318.9/32

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.630+/-0.168 χ^2/NDF: 36614.2/35

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

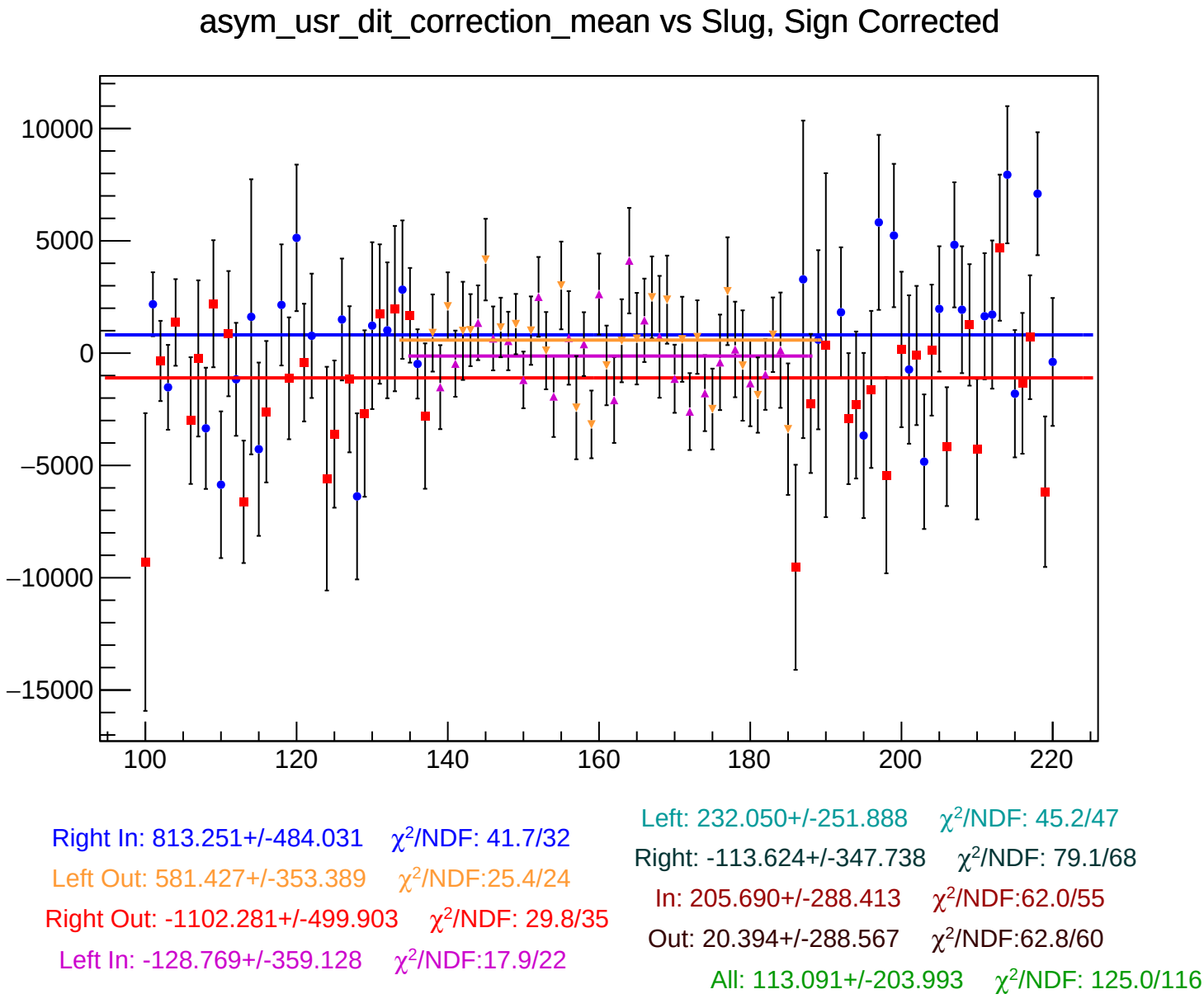
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

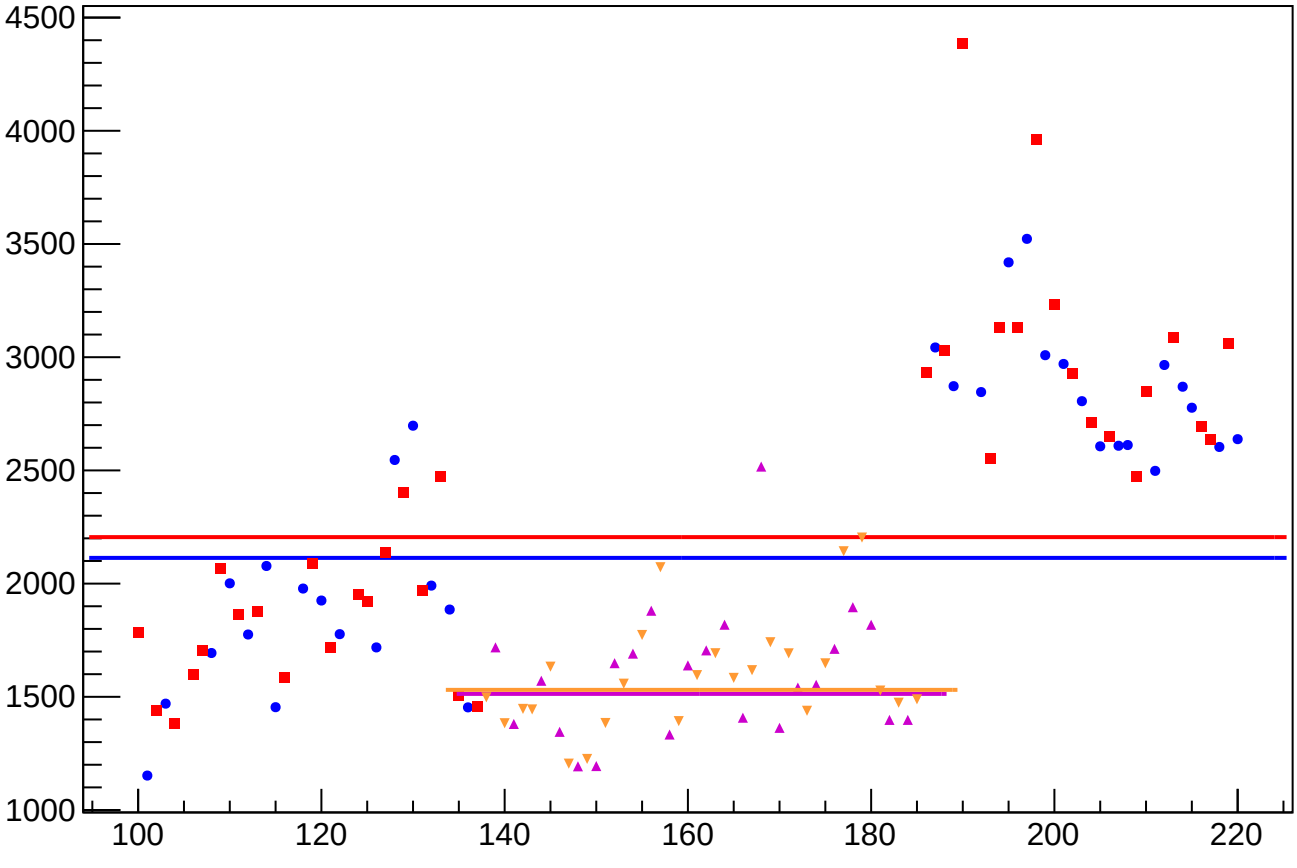
Right: 1095.330+/-0.119 χ^2/NDF: 60701.2/68

In: 1096.075+/-0.123 χ^2/NDF:29211.3/55

Out: 1099.924+/-0.122 χ^2/NDF:42689.1/60

All: 1098.023+/-0.087 χ^2/NDF: 72392.3/116


asym_usr_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 813.251+/-484.031 χ²/NDF: 41.7/32
Left Out: 581.427+/-353.389 χ²/NDF:25.4/24
Right Out: -1102.281+/-499.903 χ²/NDF: 29.8/35
Left In: -128.769+/-359.128 χ²/NDF:17.9/22
Left: 232.050+/-251.888 χ²/NDF: 45.2/47
Right: -113.624+/-347.738 χ²/NDF: 79.1/68
In: 205.690+/-288.413 χ²/NDF:62.0/55
Out: 20.394+/-288.567 χ²/NDF:62.8/60
All: 113.091+/-203.993 χ²/NDF: 125.0/116



Right In: 2113.658+/-0.342 χ^2/NDF: 3701353.7/32

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2205.355+/-0.353 χ^2/NDF: 3353531.8/35

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

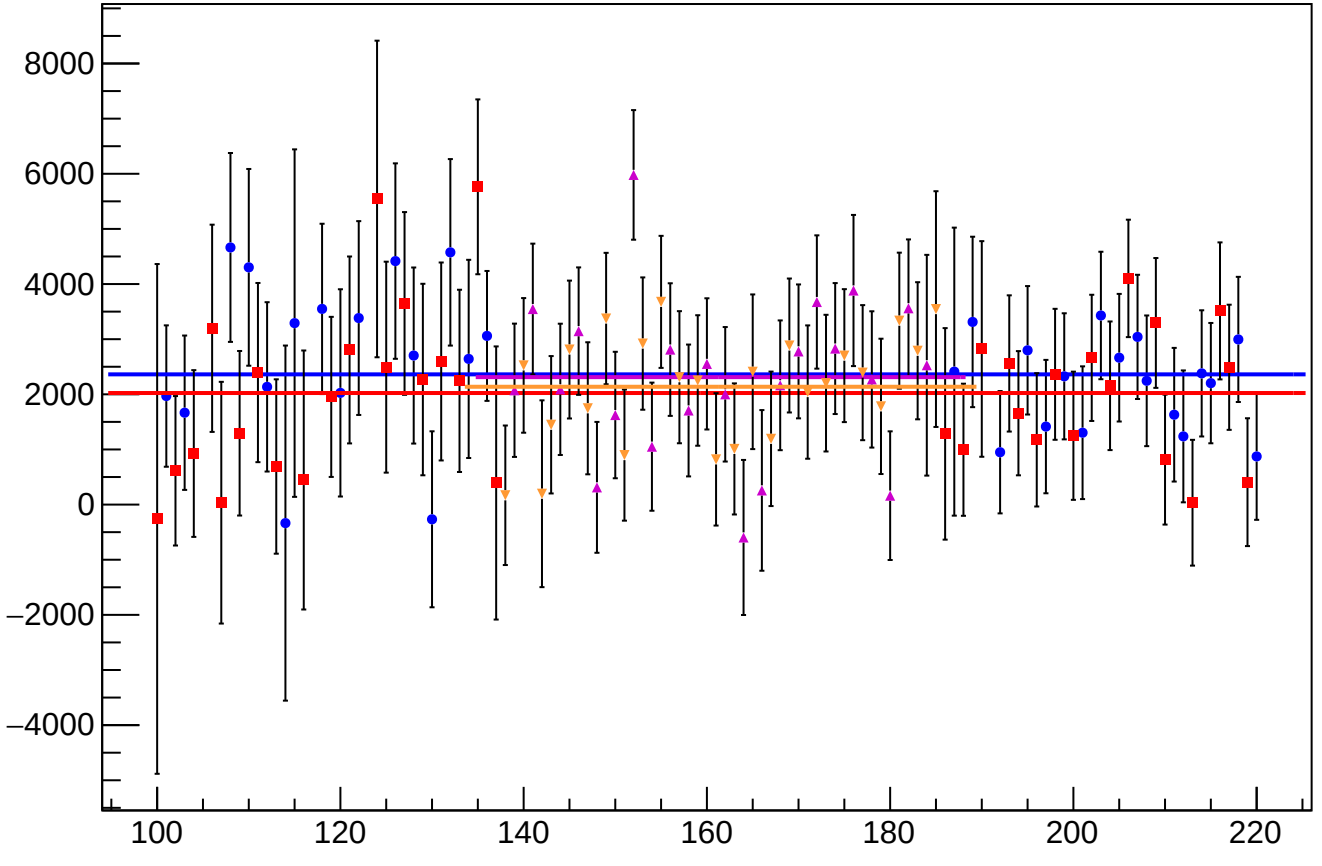
Right: 2158.028+/-0.246 χ^2/NDF: 7089617.4/68

In: 1726.226+/-0.204 χ^2/NDF:6645168.2/55

Out: 1755.547+/-0.204 χ^2/NDF:6577604.1/60

All: 1740.878+/-0.144 χ^2/NDF: 13233101.9/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2362.097+/-237.908 χ^2/NDF: 19.4/32

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2023.617+/-238.063 χ^2/NDF: 28.7/35

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

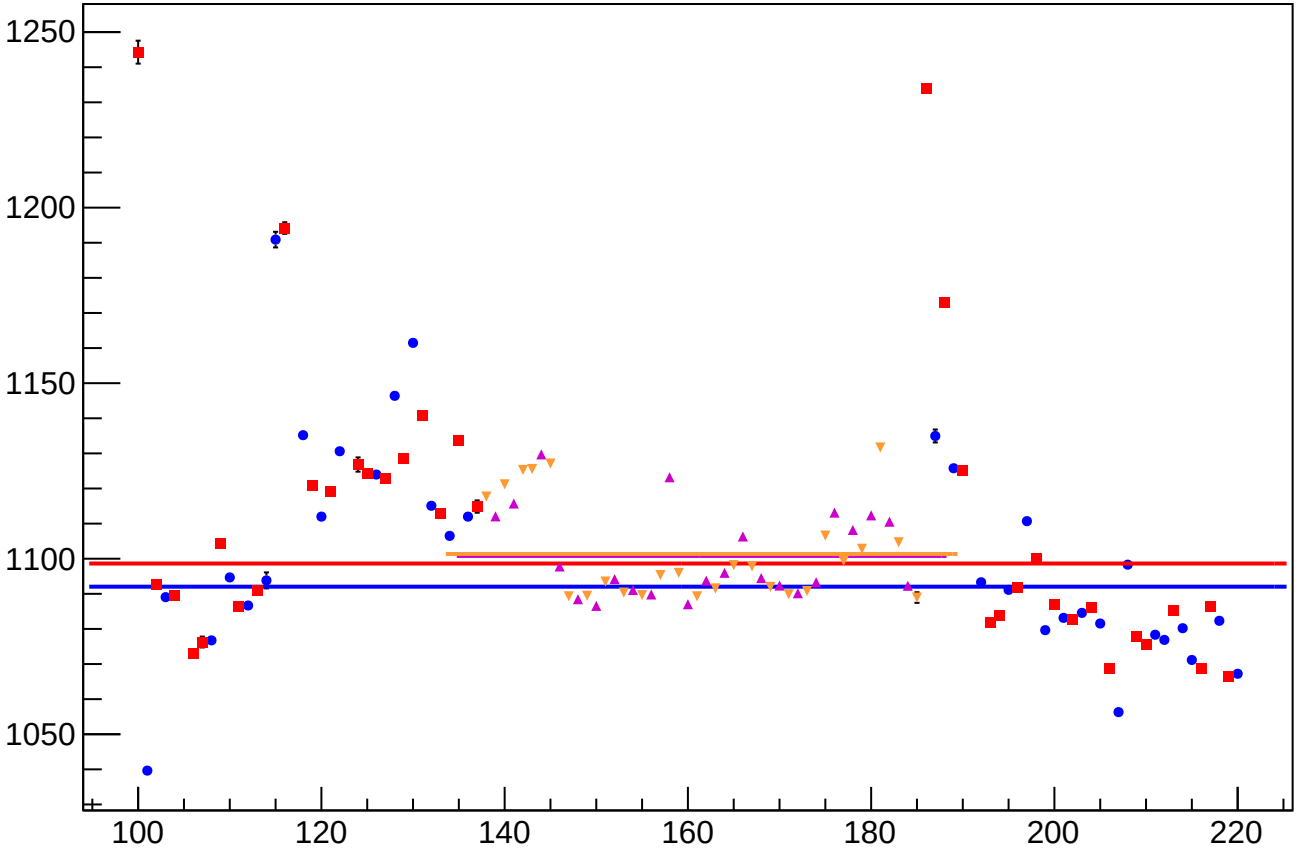
Right: 2192.967+/-168.281 χ^2/NDF: 49.1/68

In: 2338.871+/-174.598 χ^2/NDF:49.3/55

Out: 2077.580+/-172.465 χ^2/NDF:42.8/60

All: 2206.620+/-122.698 χ^2/NDF: 93.2/116

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1092.034+/-0.168 χ^2/NDF: 23318.7/32

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.630+/-0.168 χ^2/NDF: 36614.1/35

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

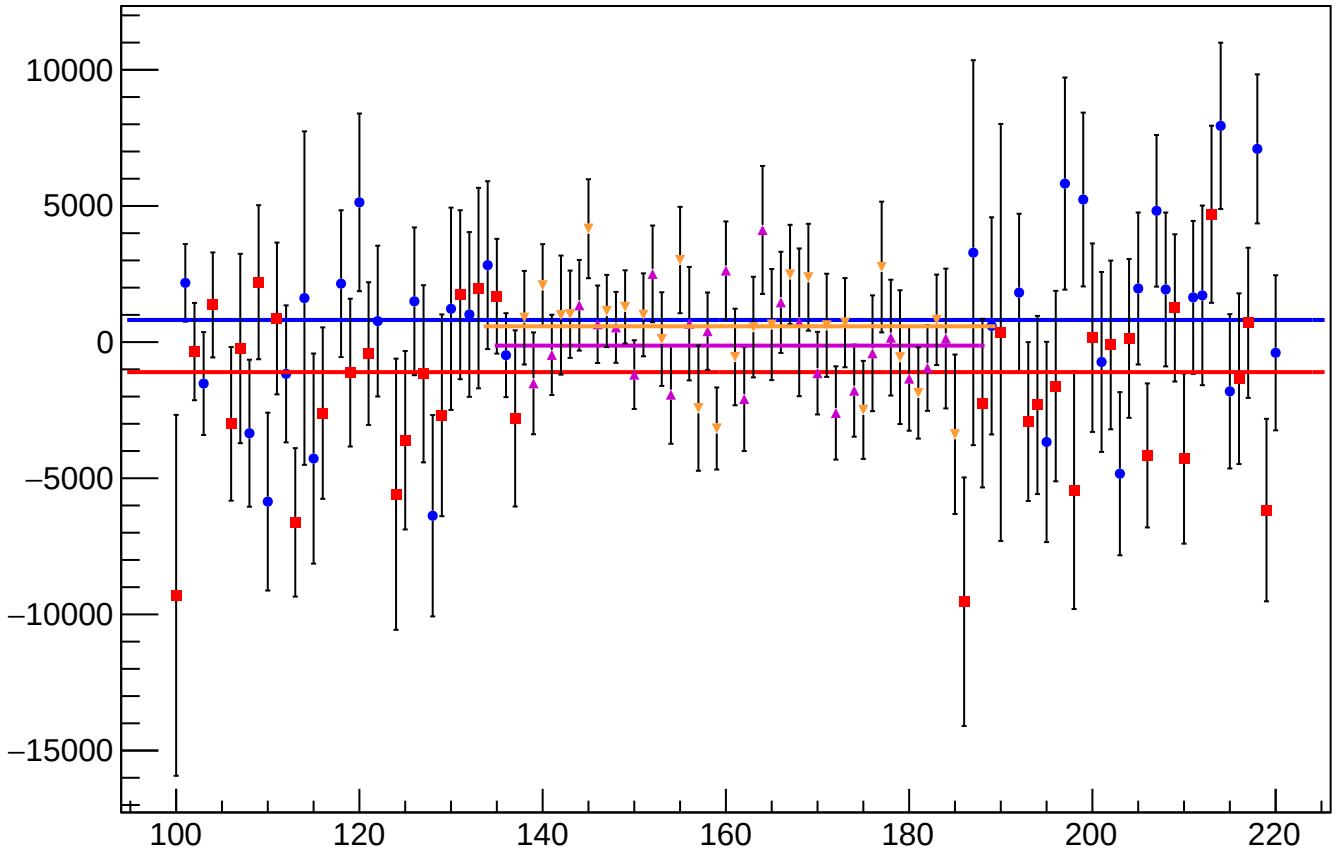
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1095.330+/-0.119 χ^2/NDF: 60700.9/68

In: 1096.075+/-0.123 χ^2/NDF:29211.1/55

Out: 1099.924+/-0.122 χ^2/NDF:42689.0/60

All: 1098.023+/-0.087 χ^2/NDF: 72392.0/116



Right In: 813.246+/-484.031 χ^2/NDF: 41.7/32

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1102.280+/-499.903 χ^2/NDF: 29.8/35

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

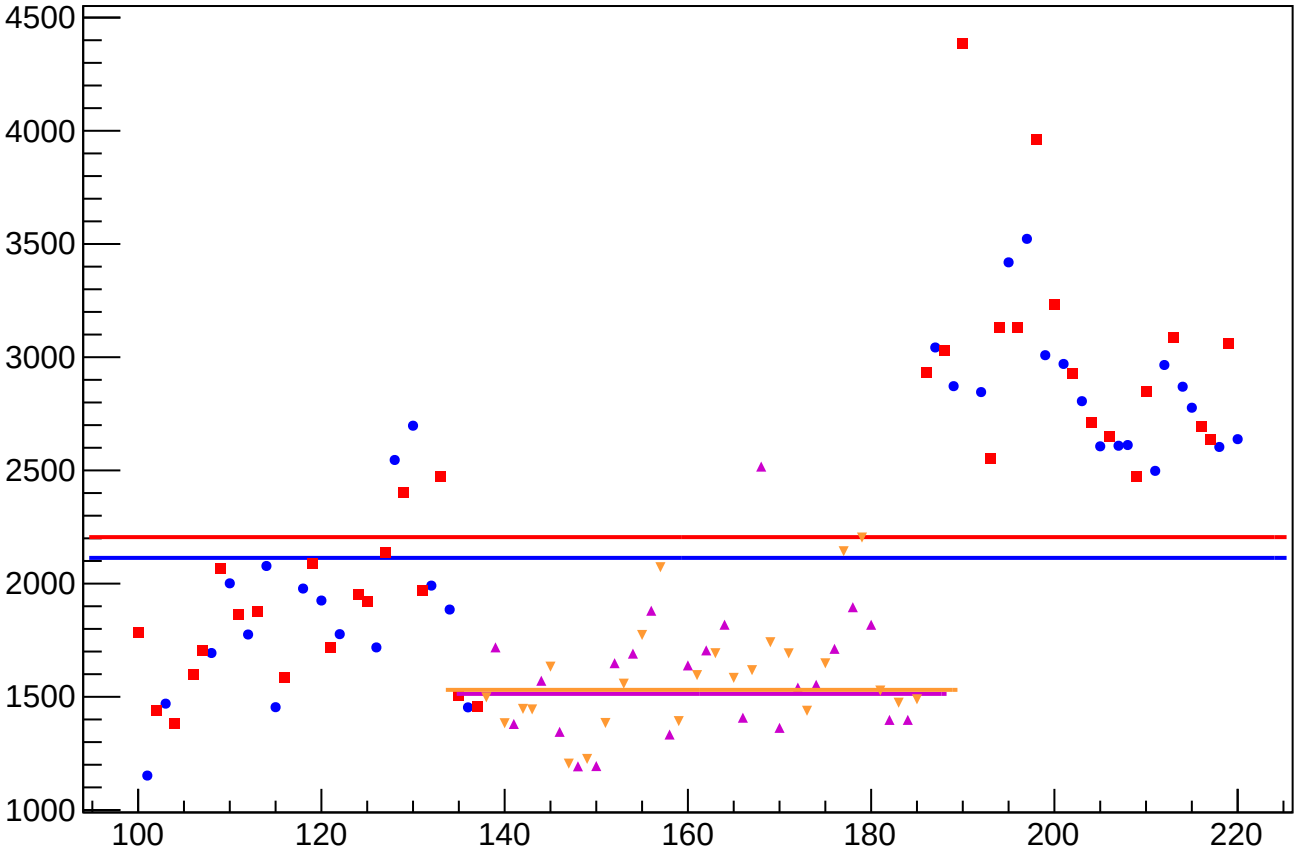
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -113.626+/-347.737 χ^2/NDF: 79.1/68

In: 205.689+/-288.413 χ^2/NDF:62.0/55

Out: 20.391+/-288.567 χ^2/NDF:62.8/60

All: 113.090+/-203.993 χ^2/NDF: 125.0/116



Right In: 2113.657+/-0.342 χ^2/NDF: 3701369.1/32

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2205.354+/-0.353 χ^2/NDF: 3353532.9/35

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

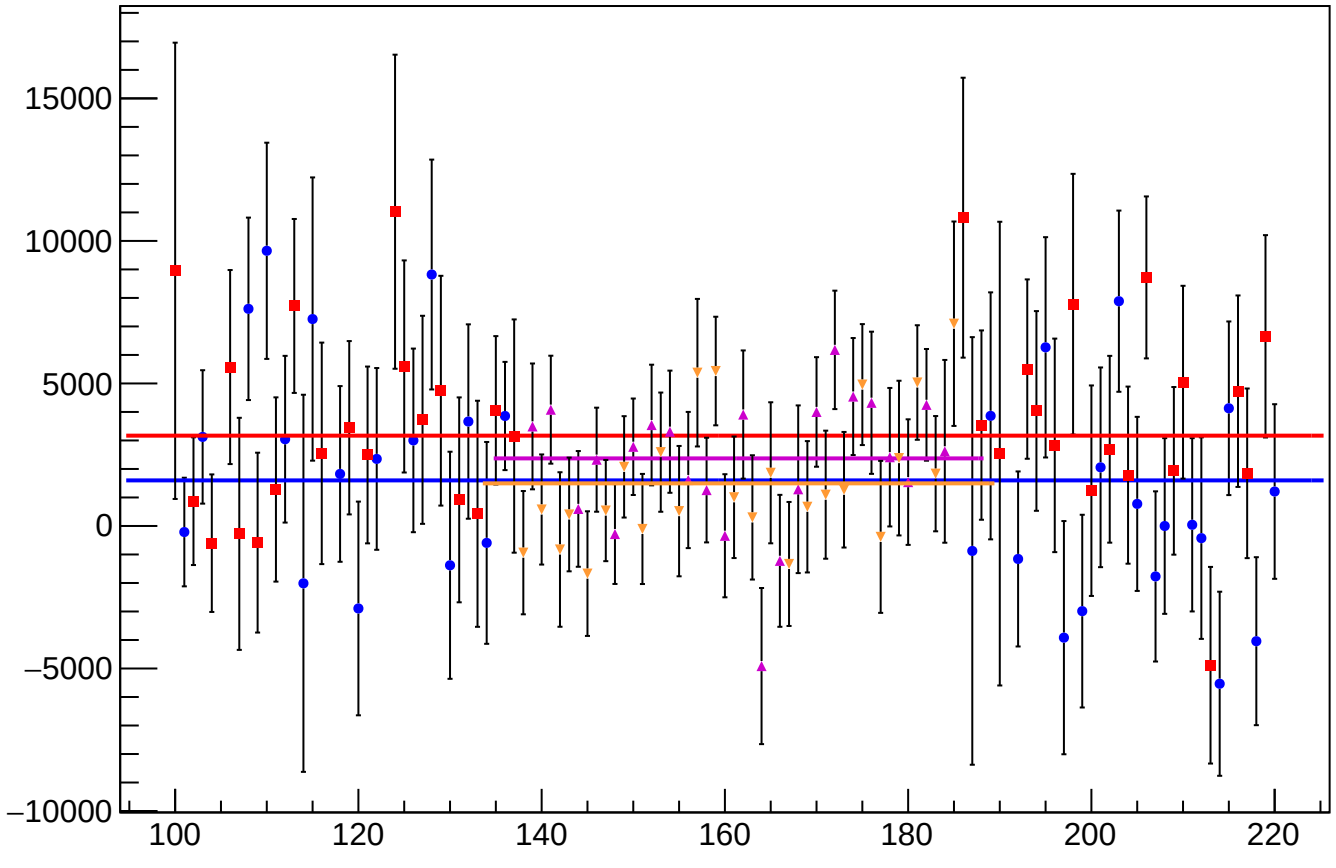
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2158.027+/-0.246 χ^2/NDF: 7089633.9/68

In: 1726.229+/-0.204 χ^2/NDF:6645154.3/55

Out: 1755.550+/-0.204 χ^2/NDF:6577569.9/60

All: 1740.881+/-0.144 χ^2/NDF: 13233054.0/



Right In: 1599.043+/-554.286 χ^2/NDF: 40.5/32

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3168.759+/-566.466 χ^2/NDF: 28.6/35

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

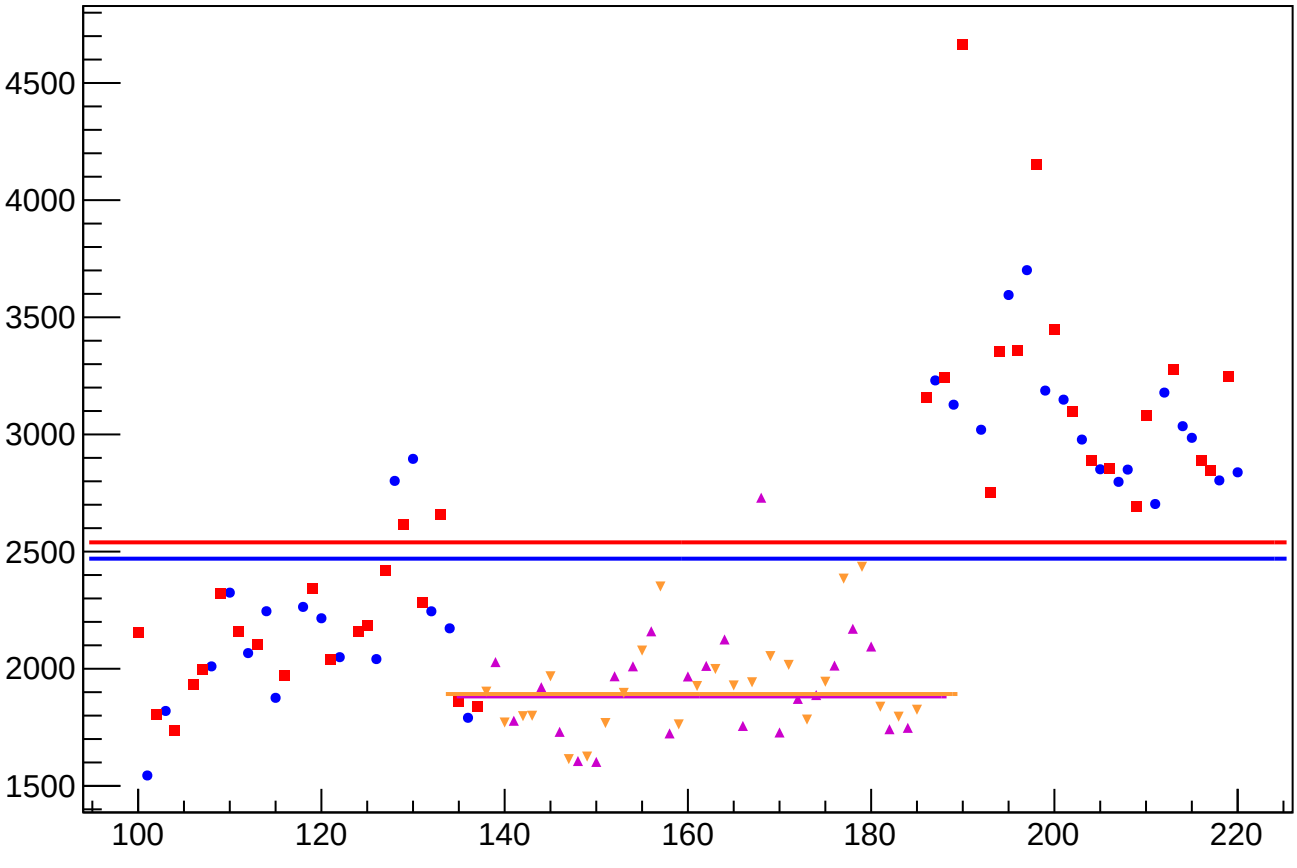
Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

Right: 2366.845+/-396.175 χ^2/NDF: 73.1/68

In: 2069.956+/-346.033 χ^2/NDF:65.4/55

Out: 2112.653+/-344.108 χ^2/NDF:57.9/60

All: 2091.424+/-243.999 χ^2/NDF: 123.3/116



Right In: 2469.814+/-0.392 χ^2/NDF: 2191822.0/32

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2539.415+/-0.401 χ^2/NDF: 2178523.9/35

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

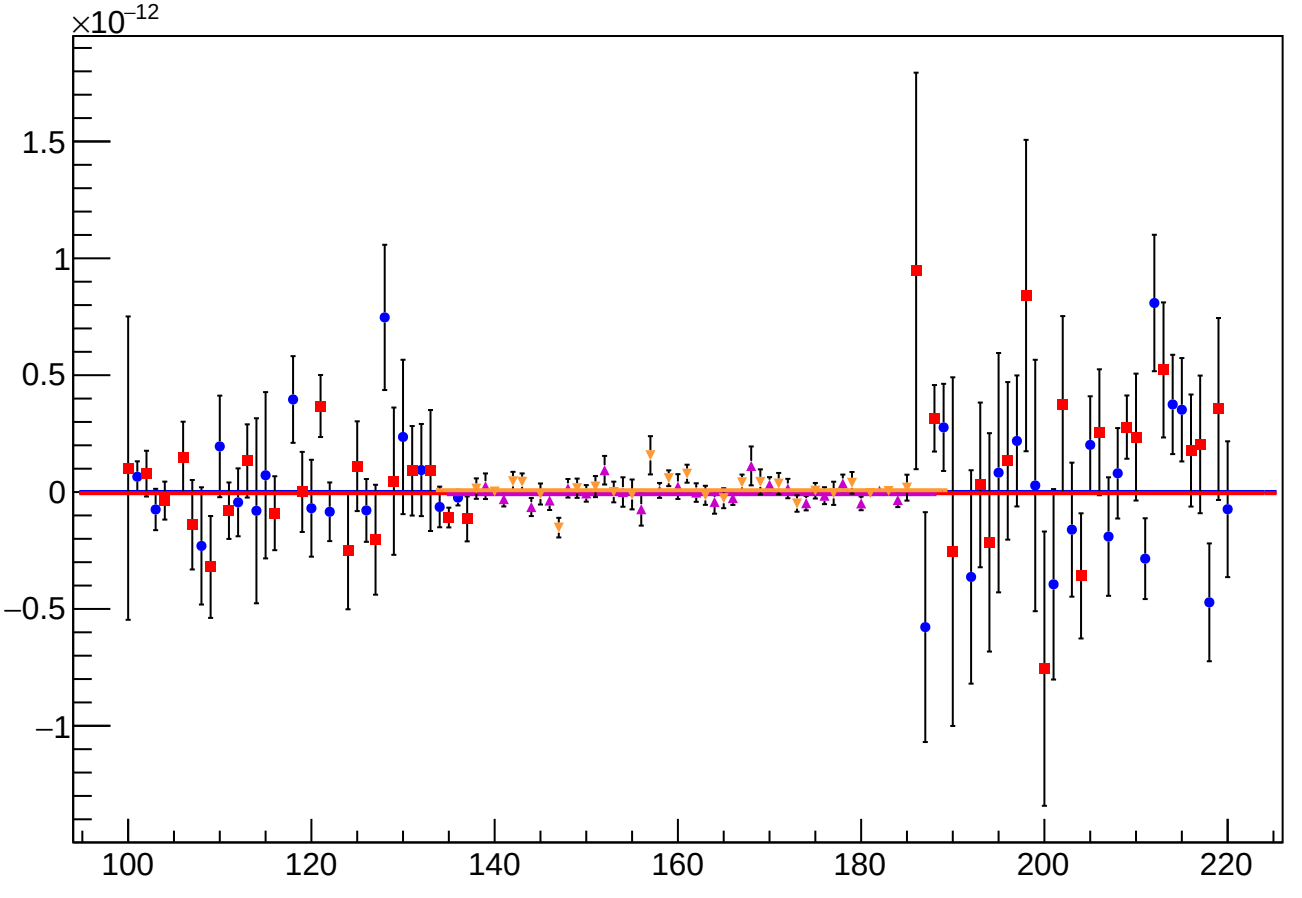
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2503.858+/-0.280 χ^2/NDF: 4385771.1/68

In: 2111.024+/-0.245 χ^2/NDF:4027643.8/55

Out: 2130.979+/-0.243 χ^2/NDF:4216002.2/60

All: 2121.057+/-0.173 χ^2/NDF: 8246990.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 43.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 47.9/35

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

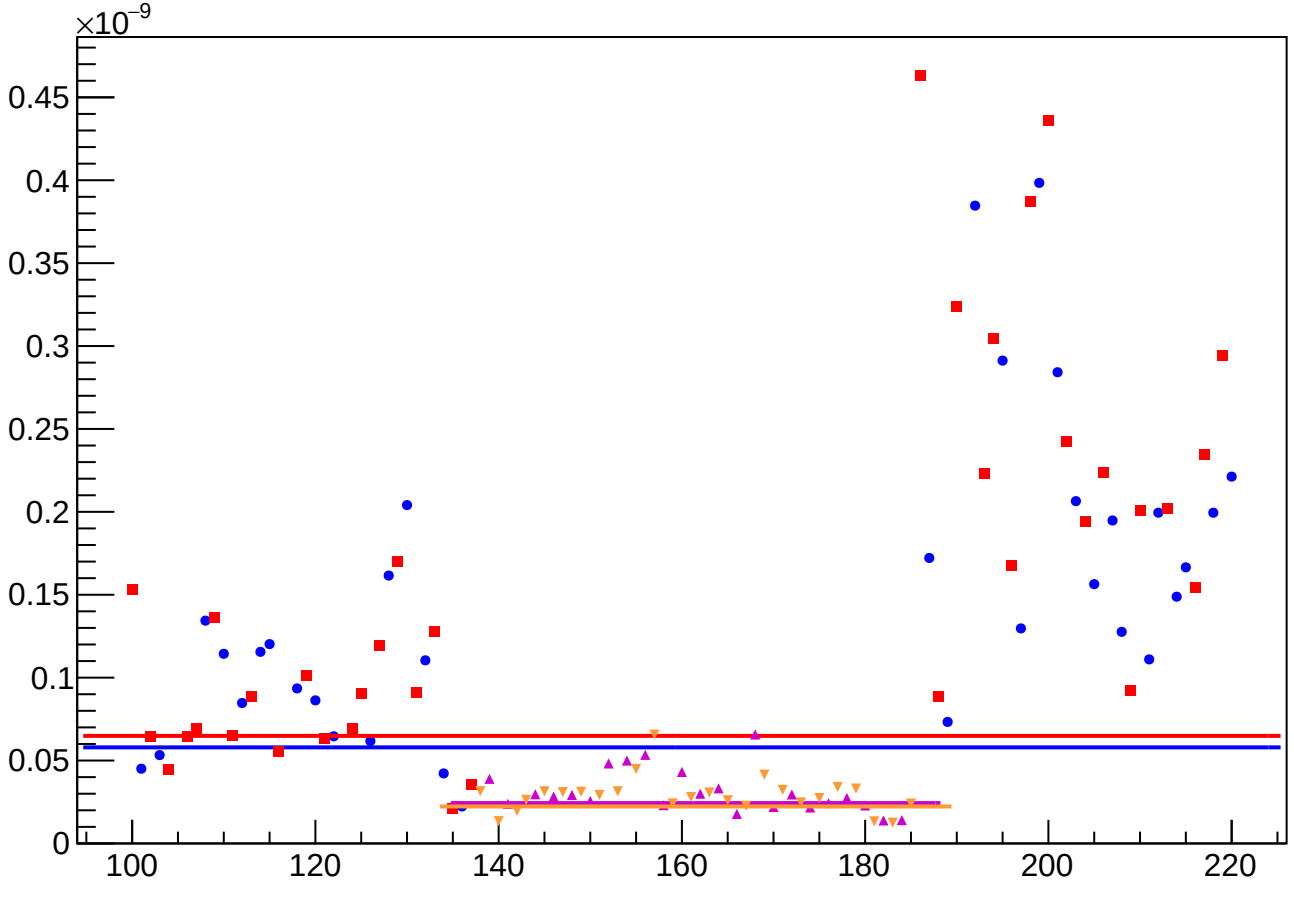
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 91.8/68

In: -0.000+/-0.000 χ^2/NDF:63.2/55

Out: 0.000+/-0.000 χ^2/NDF:80.5/60

All: -0.000+/-0.000 χ^2/NDF: 146.1/116



Right In: 0.000+/-0.000 χ^2/NDF: 11482030.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10746401.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

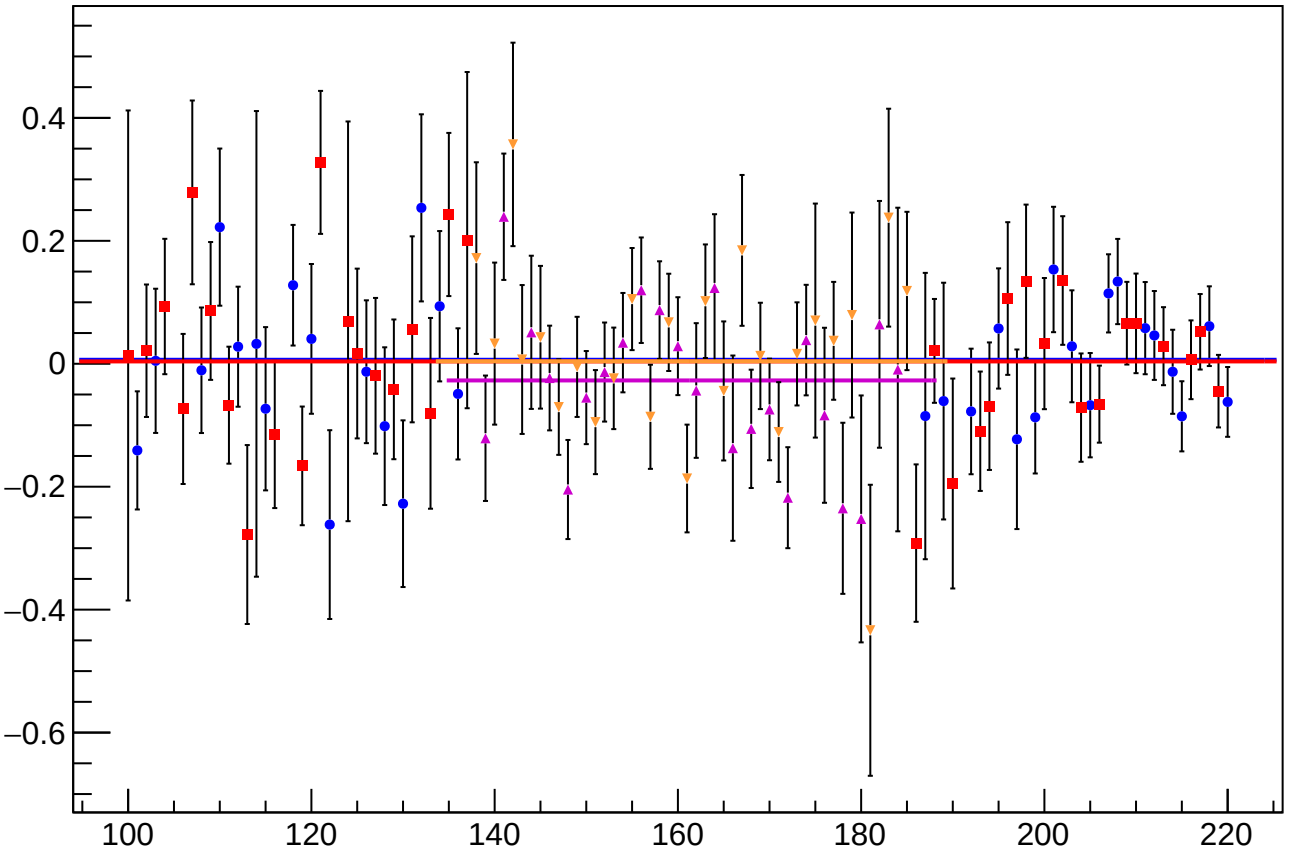
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 22313048.2/68

In: 0.000+/-0.000 χ^2/NDF:18577690.6/55

Out: 0.000+/-0.000 χ^2/NDF:19767206.4/60

All: 0.000+/-0.000 χ^2/NDF: 38463385.8/116



Right In: 0.006+/-0.016 χ^2/NDF: 35.3/32

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

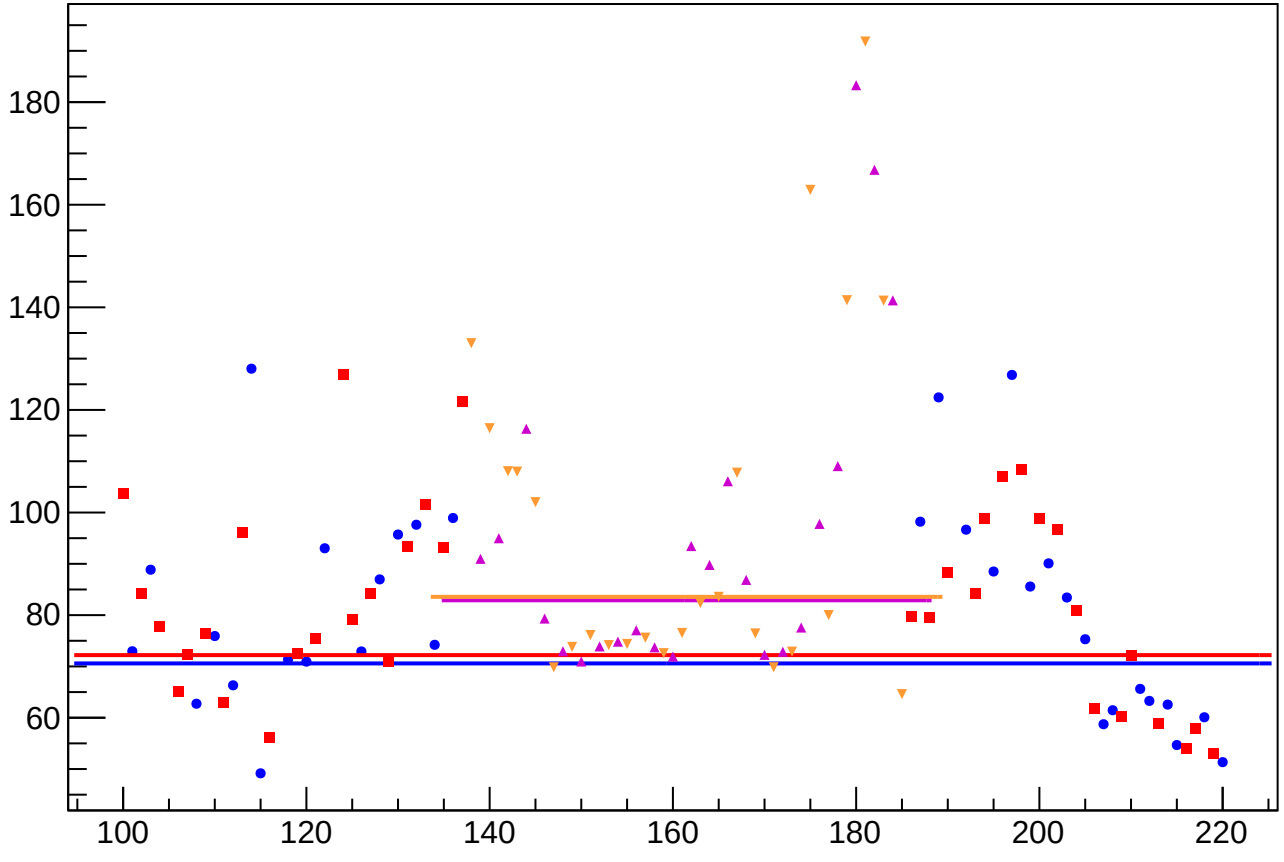
Right: 0.005+/-0.012 χ^2/NDF: 77.7/68

In: -0.006+/-0.013 χ^2/NDF:68.8/55

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: -0.001+/-0.009 χ^2/NDF: 139.8/116

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.586+/-0.012 χ^2/NDF: 1956175.5/32

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

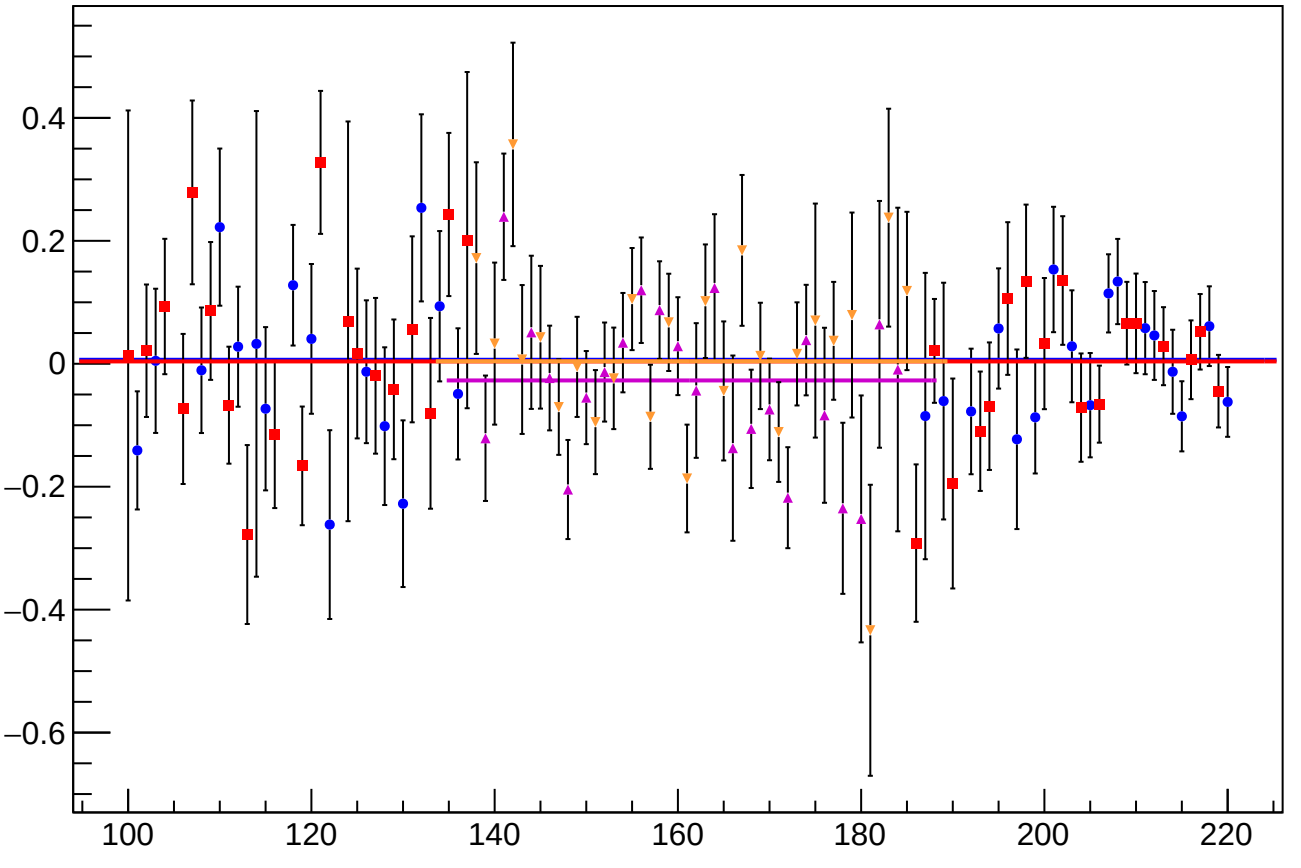
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 71.386+/-0.008 χ^2/NDF: 3902571.8/68

In: 75.335+/-0.009 χ^2/NDF:3969543.0/55

Out: 76.722+/-0.009 χ^2/NDF:4486683.4/60

All: 76.026+/-0.006 χ^2/NDF: 8468001.4/116



Right In: 0.006+/-0.016 χ^2/NDF: 35.3/32

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

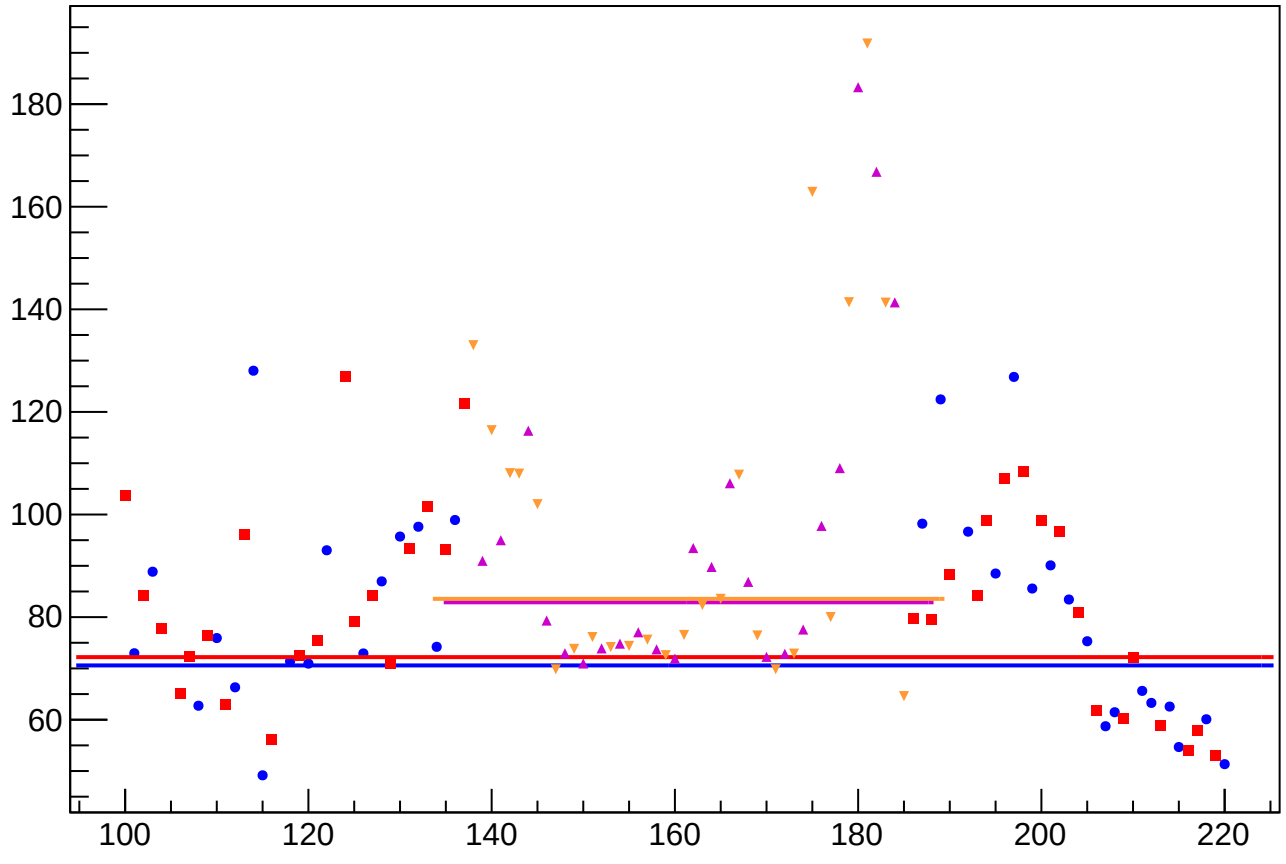
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.005+/-0.012 χ^2/NDF: 77.7/68

In: -0.006+/-0.013 χ^2/NDF:68.8/55

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: -0.001+/-0.009 χ^2/NDF: 139.8/116



Right In: 70.586+/-0.012 χ^2/NDF: 1956175.5/32

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

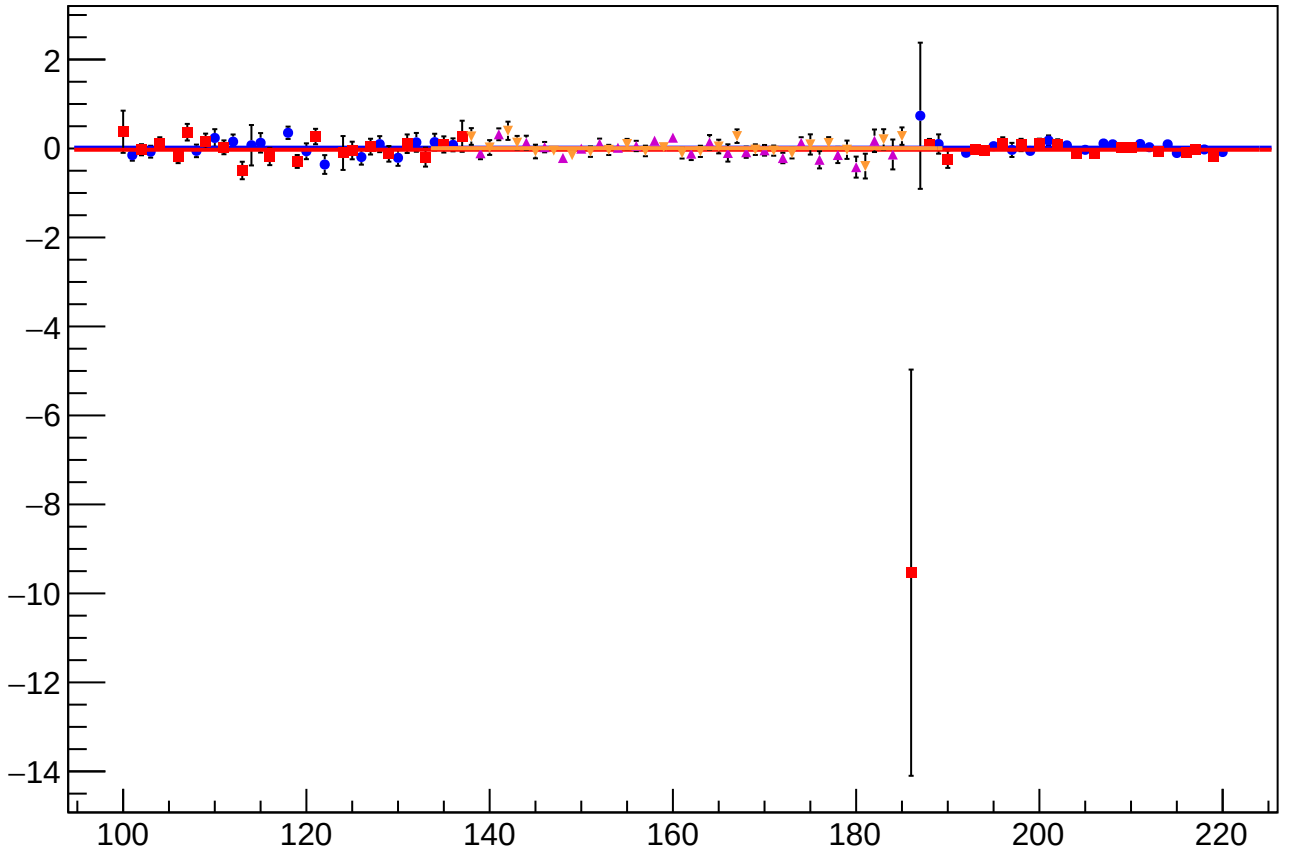
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 71.386+/-0.008 χ^2/NDF: 3902571.8/68

In: 75.335+/-0.009 χ^2/NDF:3969543.0/55

Out: 76.722+/-0.009 χ^2/NDF:4486683.4/60

All: 76.026+/-0.006 χ^2/NDF: 8468001.4/116



Right In: 0.019+/-0.022 χ^2/NDF: 29.9/32

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.028+/-0.022 χ^2/NDF: 40.4/35

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

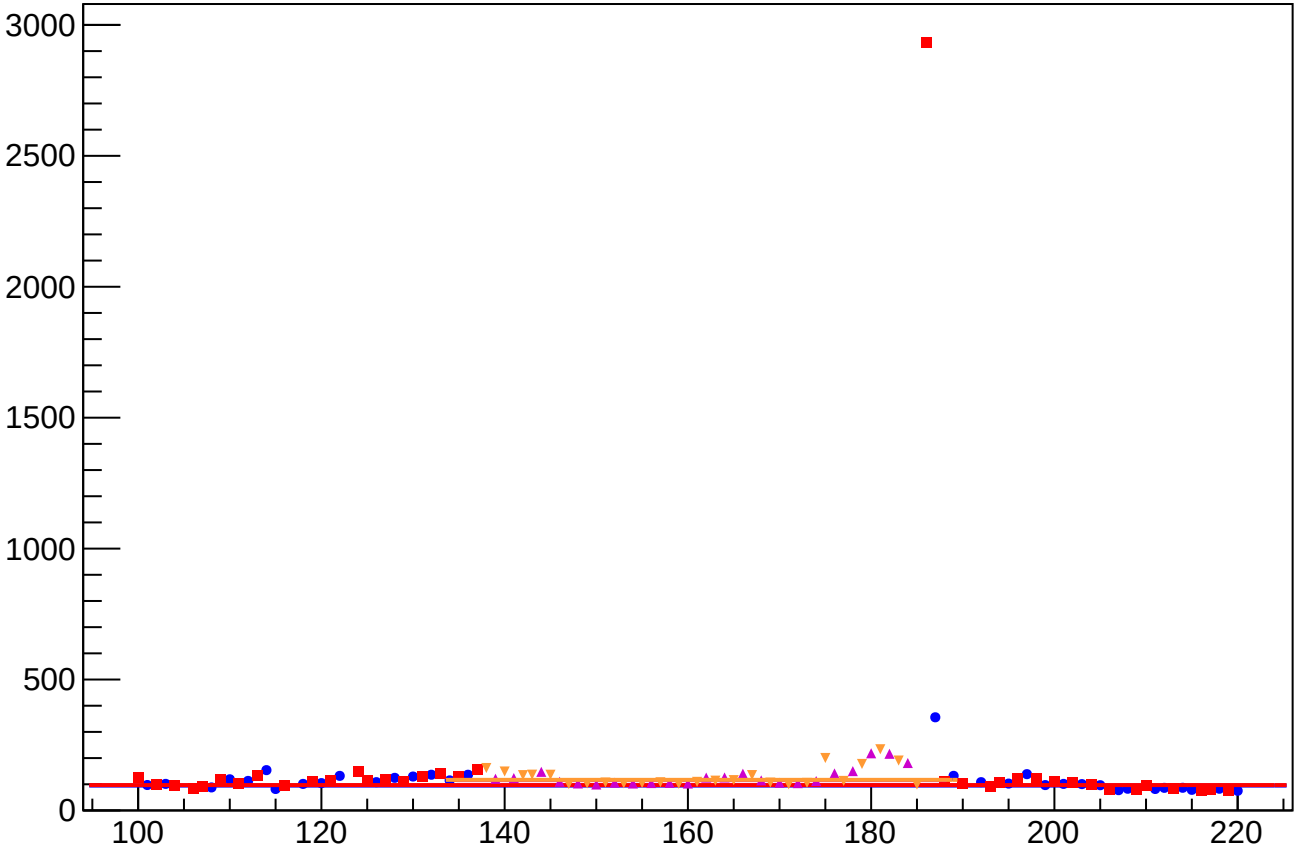
Right: -0.005+/-0.015 χ^2/NDF: 72.6/68

In: 0.015+/-0.017 χ^2/NDF:61.2/55

Out: -0.015+/-0.017 χ^2/NDF:62.7/60

All: 0.000+/-0.012 χ^2/NDF: 125.5/116

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 95.019+/-0.015 χ^2/NDF: 1313922.2/32

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 96.907+/-0.016 χ^2/NDF: 1995229.1/35

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

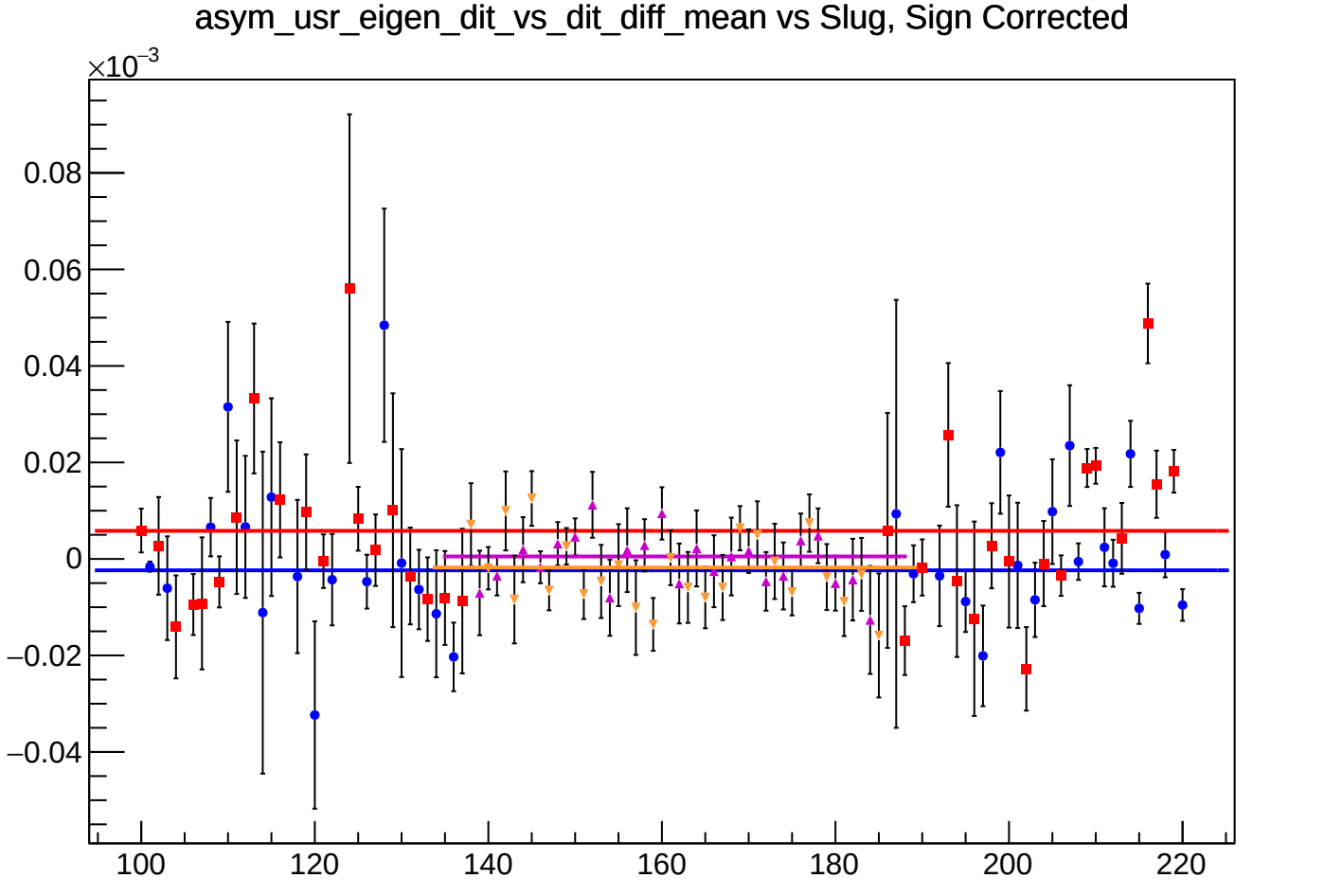
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 95.948+/-0.011 χ^2/NDF: 3316682.2/68

In: 102.724+/-0.012 χ^2/NDF:3235347.9/55

Out: 104.579+/-0.012 χ^2/NDF:4229672.0/60

All: 103.648+/-0.009 χ^2/NDF: 7476697.1/116



Right In: -0.000+/-0.000 χ^2/NDF: 59.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 121.1/35

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

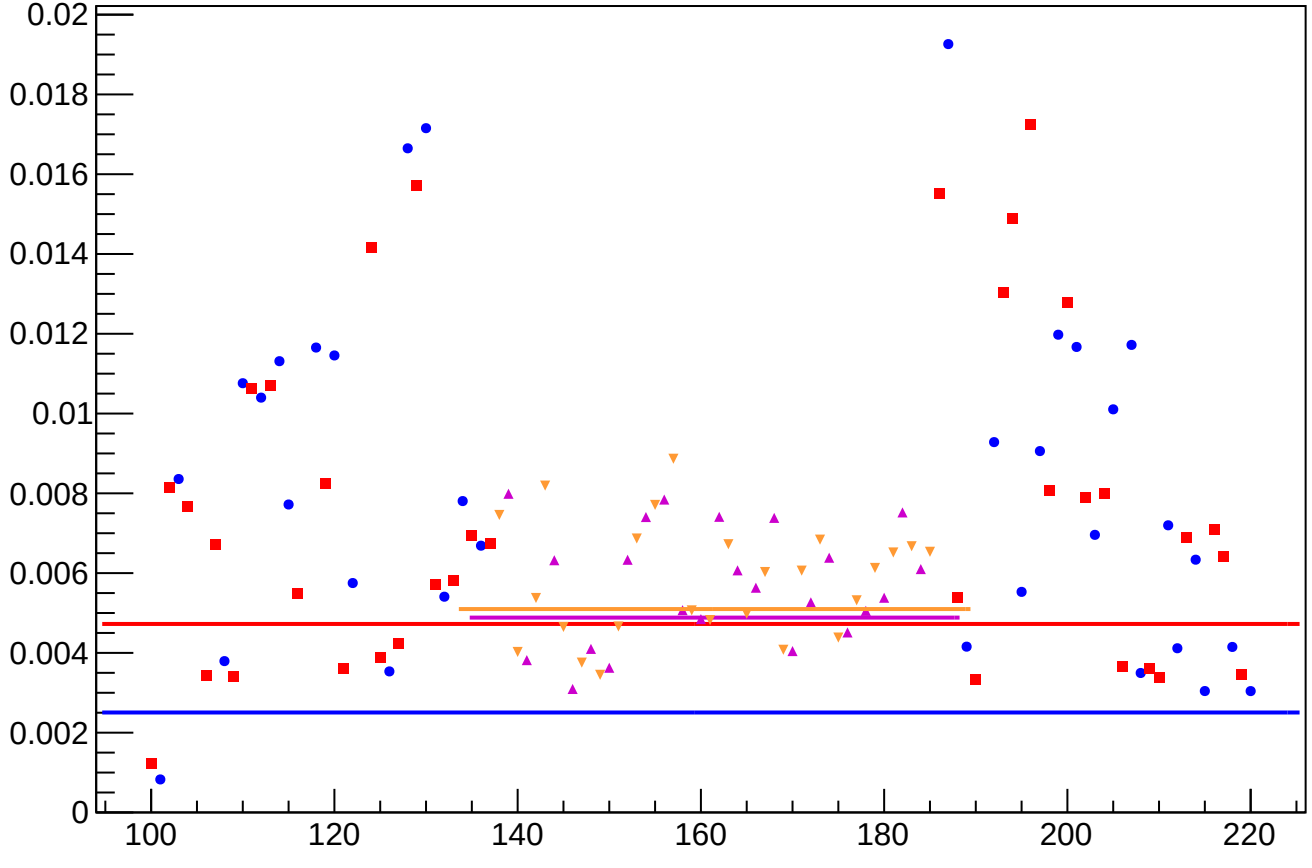
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 212.5/68

In: -0.000+/-0.000 χ^2/NDF:79.4/55

Out: 0.000+/-0.000 χ^2/NDF:171.7/60

All: -0.000+/-0.000 χ^2/NDF: 261.4/116



Right In: 0.003+/-0.000 χ^2/NDF: 20622911.7/32

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8896548.1/35

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

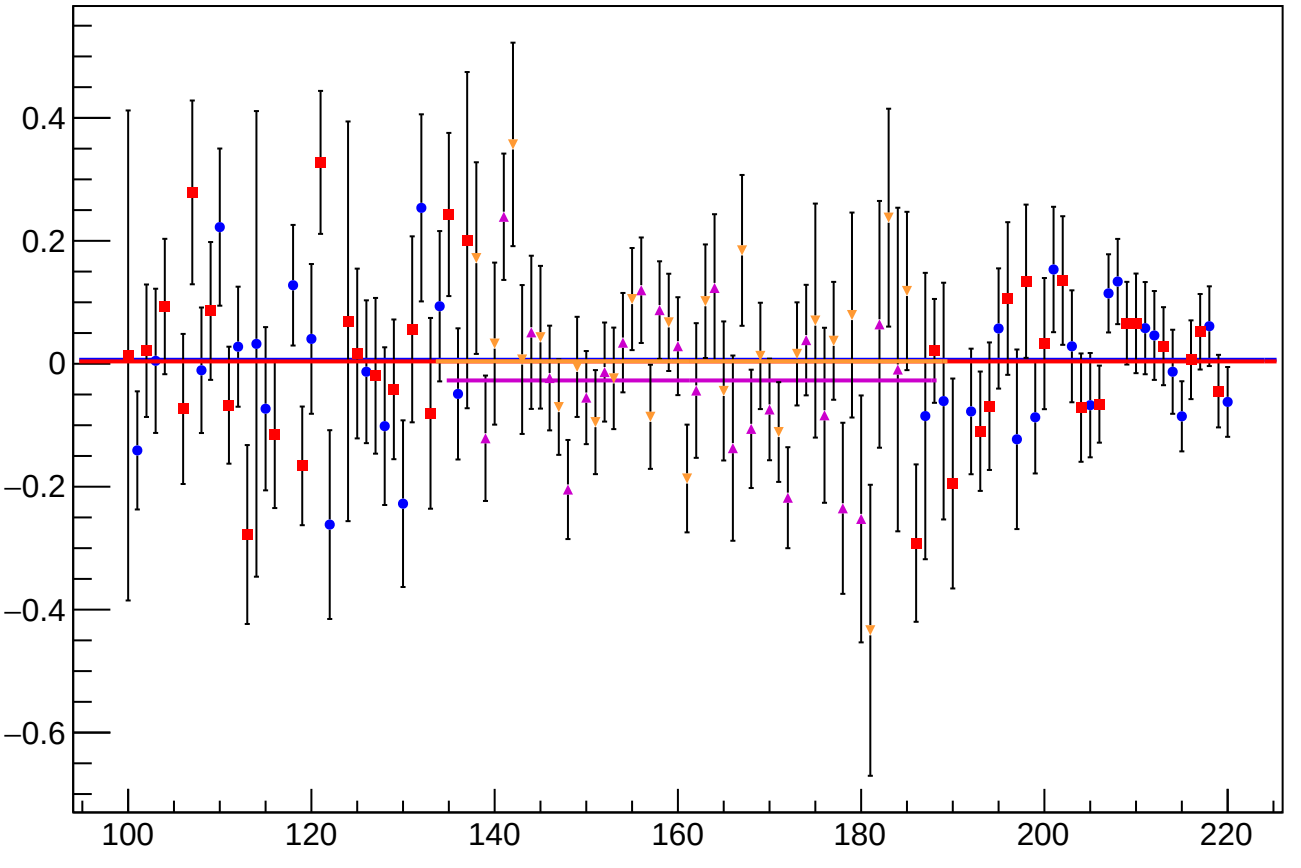
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 34158469.7/68

In: 0.003+/-0.000 χ^2/NDF:28812129.6/55

Out: 0.005+/-0.000 χ^2/NDF:11369753.6/60

All: 0.004+/-0.000 χ^2/NDF: 44900200.4/116



Right In: 0.006+/-0.016 χ^2/NDF: 35.3/32

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

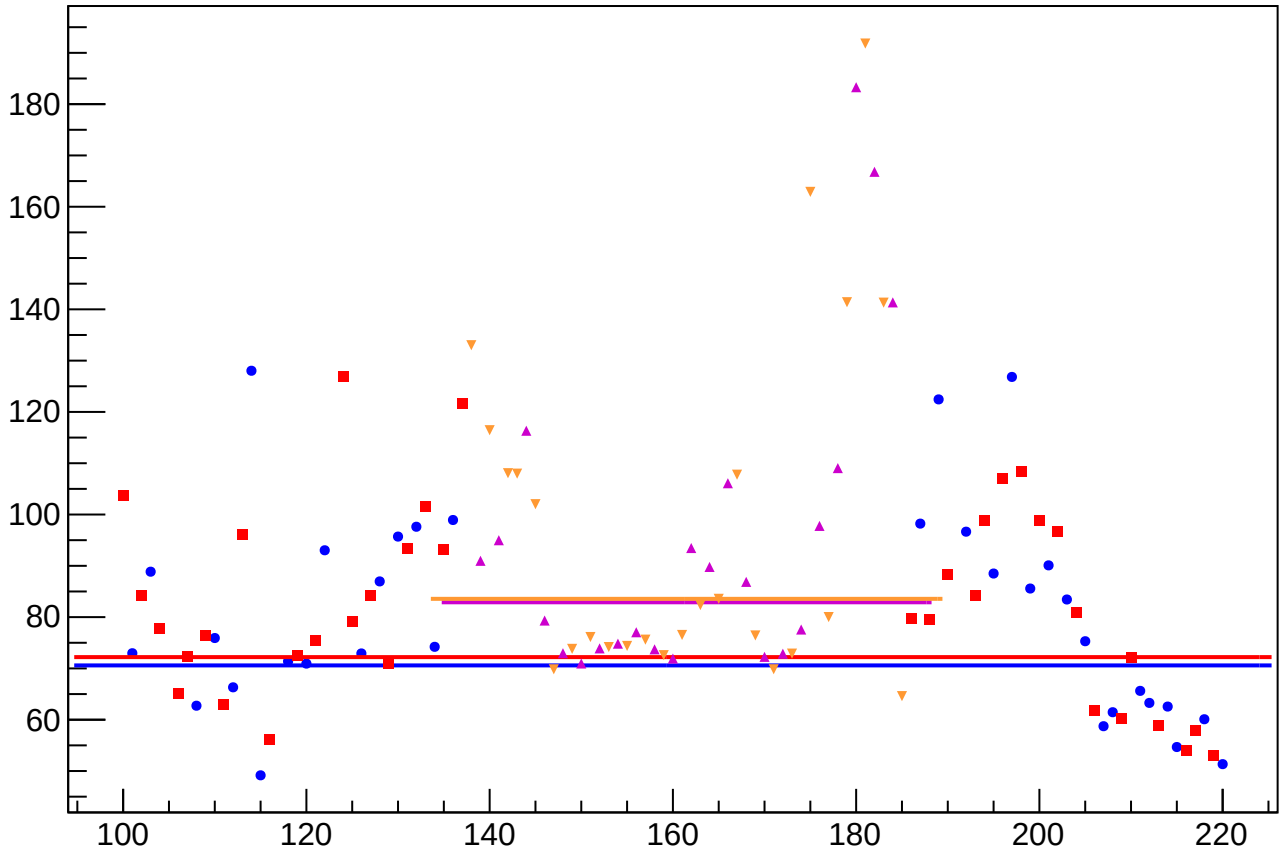
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.005+/-0.012 χ^2/NDF: 77.7/68

In: -0.006+/-0.013 χ^2/NDF:68.8/55

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: -0.001+/-0.009 χ^2/NDF: 139.8/116



Right In: 70.587+/-0.012 χ^2/NDF: 1956014.8/32

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

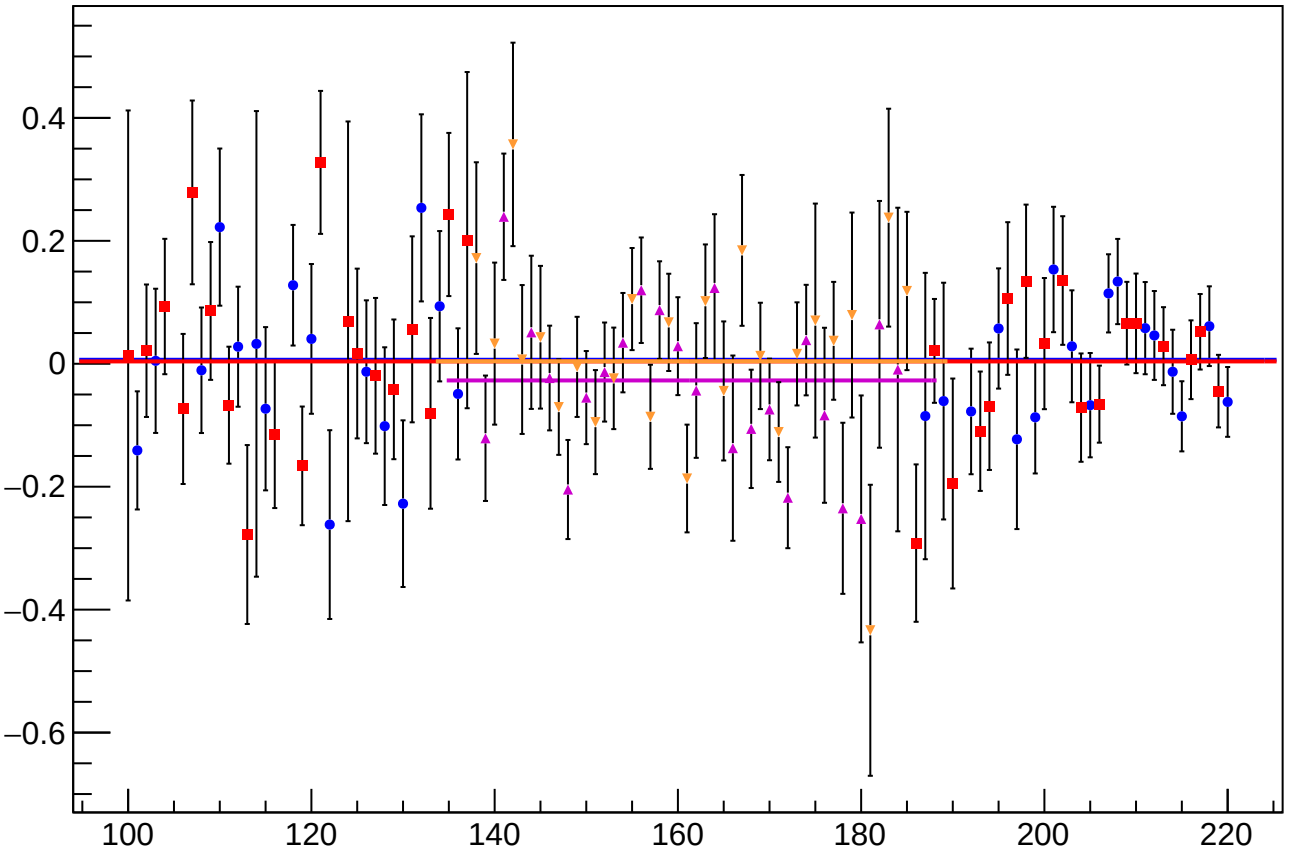
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 71.386+/-0.008 χ^2/NDF: 3902336.8/68

In: 75.335+/-0.009 χ^2/NDF:3969346.4/55

Out: 76.722+/-0.009 χ^2/NDF:4486688.8/60

All: 76.026+/-0.006 χ^2/NDF: 8467798.8/116



Right In: 0.006+/-0.016 χ^2/NDF: 35.3/32

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.016 χ^2/NDF: 42.4/35

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

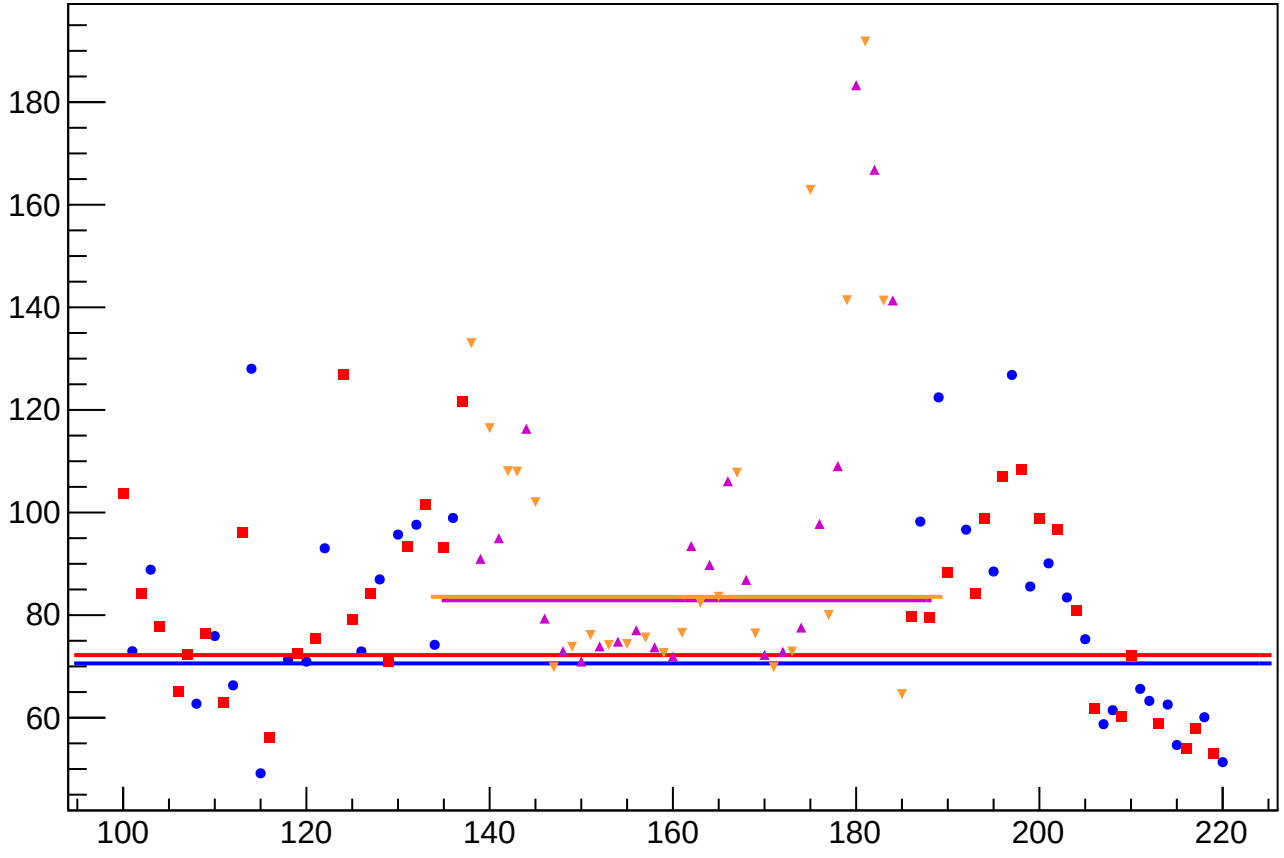
Right: 0.005+/-0.012 χ^2/NDF: 77.7/68

In: -0.006+/-0.013 χ^2/NDF:68.8/55

Out: 0.004+/-0.013 χ^2/NDF:70.6/60

All: -0.001+/-0.009 χ^2/NDF: 139.8/116

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.587+/-0.012 χ^2/NDF: 1956014.8/32

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

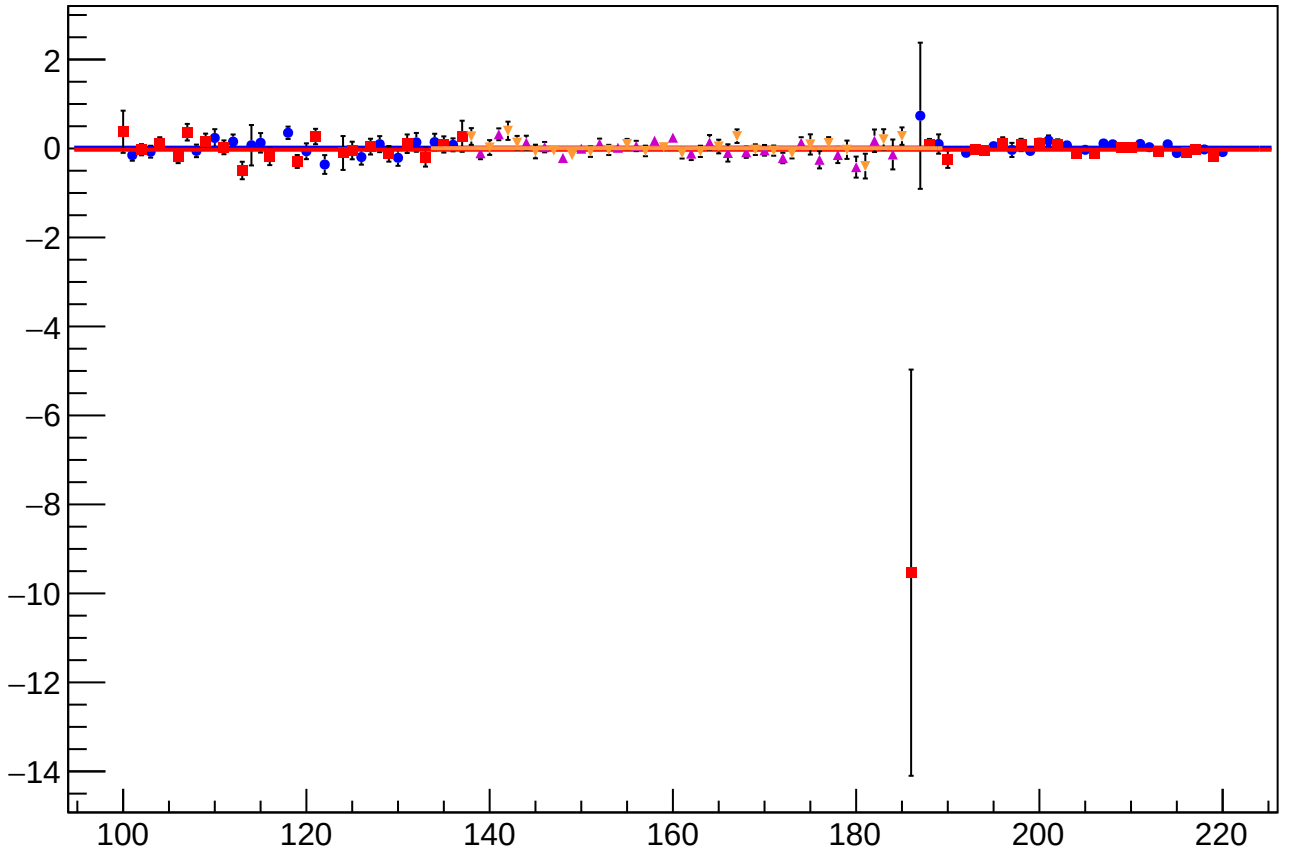
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 71.386+/-0.008 χ^2/NDF: 3902336.8/68

In: 75.335+/-0.009 χ^2/NDF:3969346.4/55

Out: 76.722+/-0.009 χ^2/NDF:4486688.8/60

All: 76.026+/-0.006 χ^2/NDF: 8467798.8/116



Right In: 0.019+/-0.022 χ^2/NDF: 29.9/32

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.028+/-0.022 χ^2/NDF: 40.4/35

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

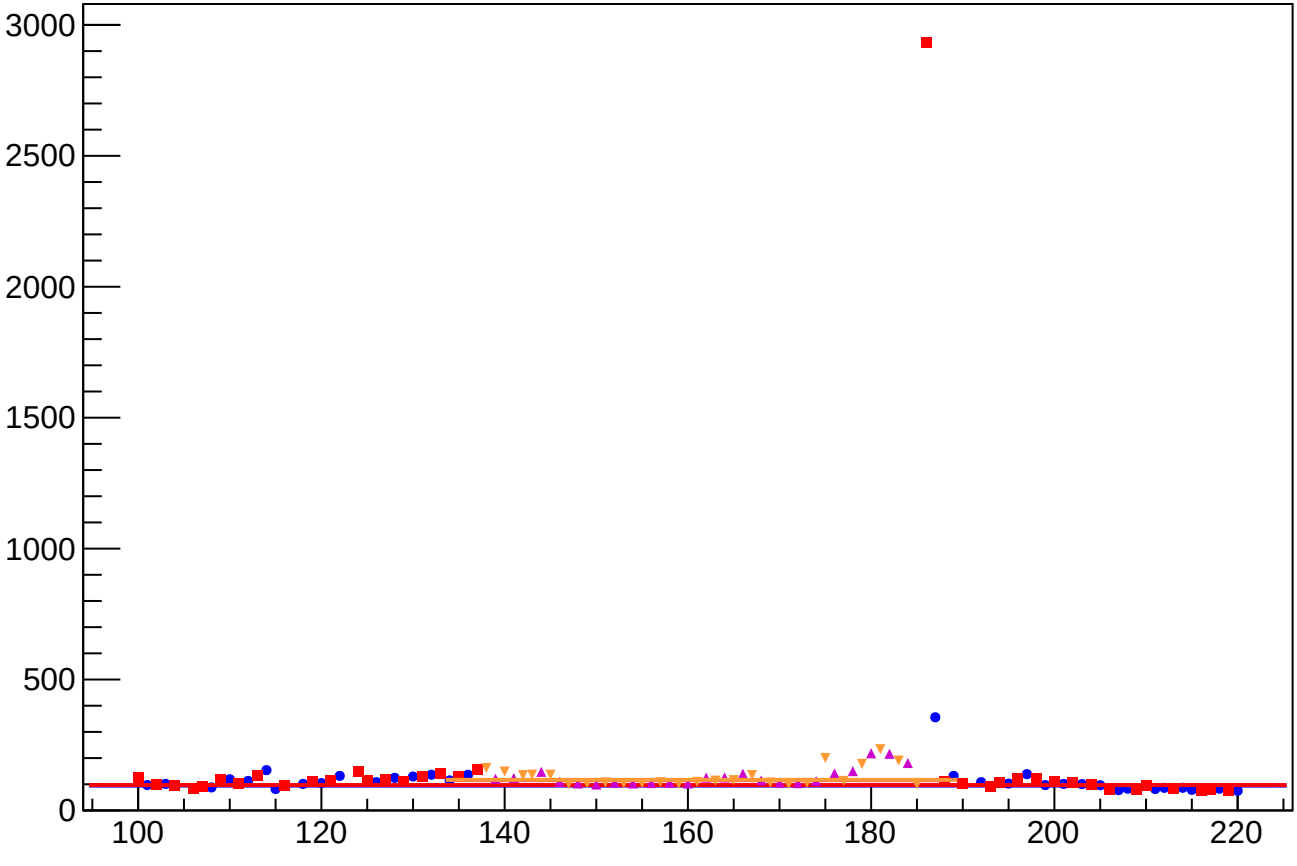
Right: -0.005+/-0.015 χ^2/NDF: 72.6/68

In: 0.015+/-0.017 χ^2/NDF:61.2/55

Out: -0.015+/-0.017 χ^2/NDF:62.7/60

All: 0.000+/-0.012 χ^2/NDF: 125.5/116

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 95.020+/-0.015 χ^2/NDF: 1313791.1/32

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 96.907+/-0.016 χ^2/NDF: 1995170.3/35

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

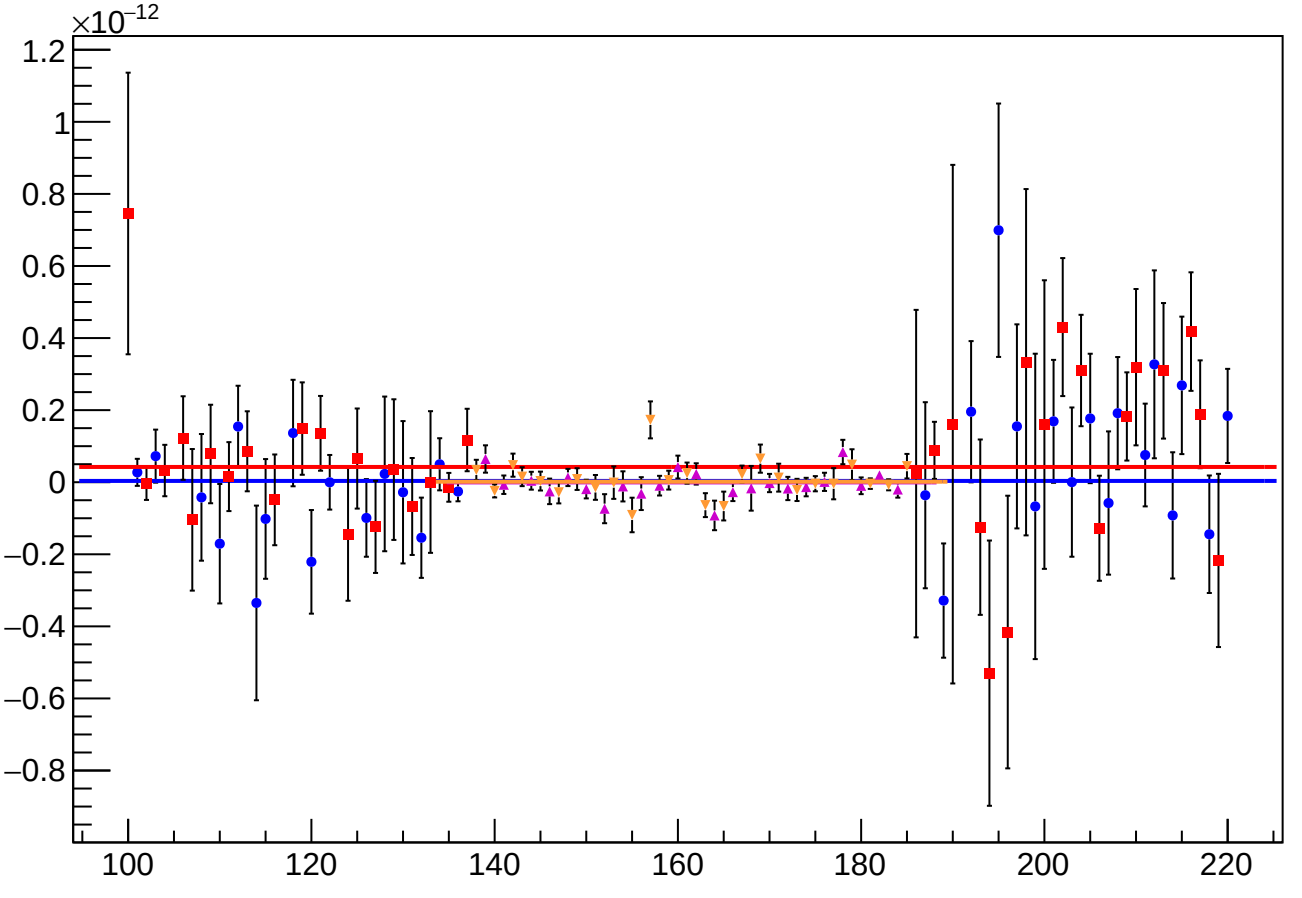
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 95.948+/-0.011 χ^2/NDF: 3316486.3/68

In: 102.725+/-0.012 χ^2/NDF:3235191.4/55

Out: 104.579+/-0.012 χ^2/NDF:4229651.5/60

All: 103.648+/-0.009 χ^2/NDF: 7476514.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/35

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

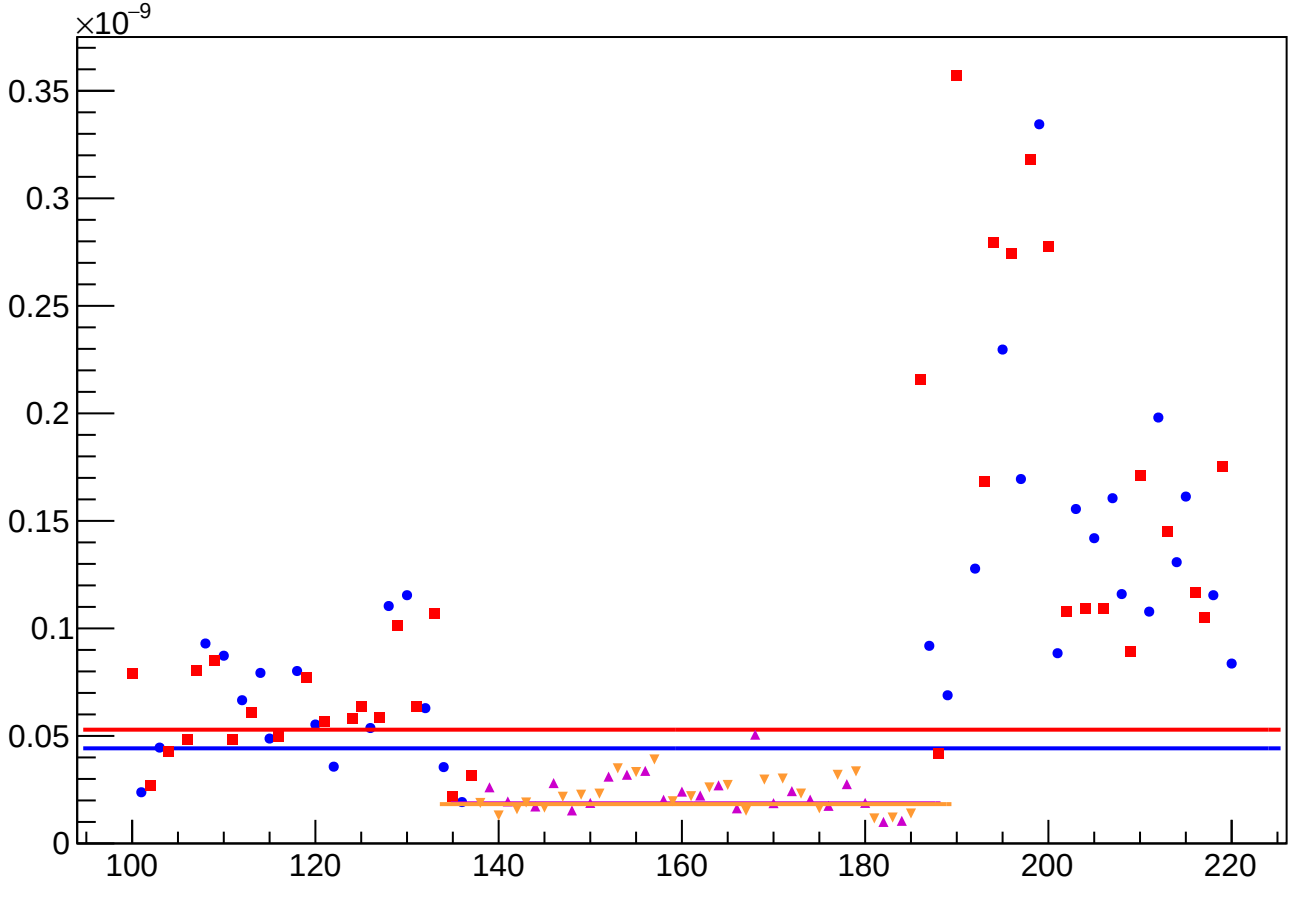
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 75.8/68

In: -0.000+/-0.000 χ^2/NDF:60.5/55

Out: 0.000+/-0.000 χ^2/NDF:80.6/60

All: 0.000+/-0.000 χ^2/NDF: 141.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 11067235.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9411825.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

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

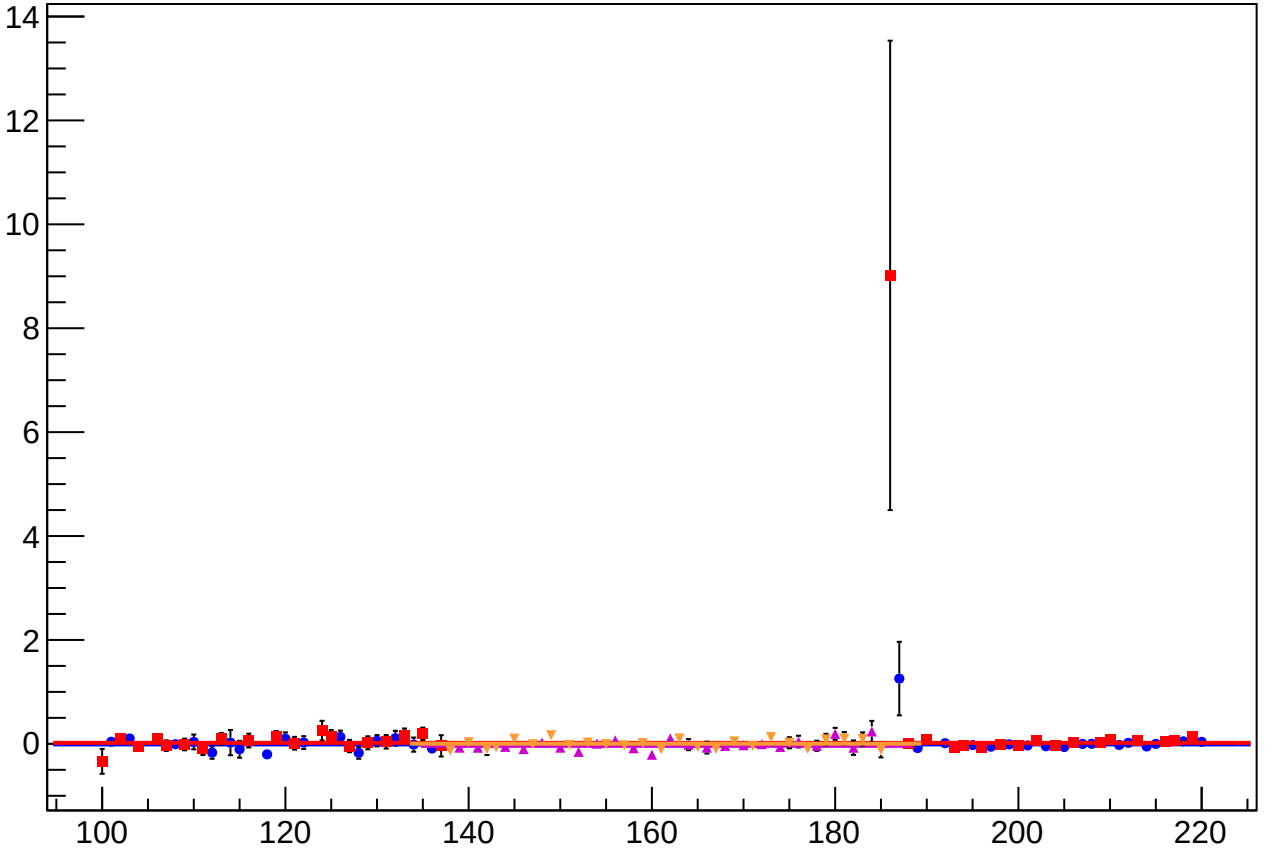
Right: 0.000+/-0.000 χ^2/NDF: 20714952.0/68

In: 0.000+/-0.000 χ^2/NDF:18189284.7/55

Out: 0.000+/-0.000 χ^2/NDF:18602891.8/60

All: 0.000+/-0.000 χ^2/NDF: 36798099.7/116

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.011 χ^2/NDF: 27.1/32

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.019+/-0.011 χ^2/NDF: 47.4/35

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

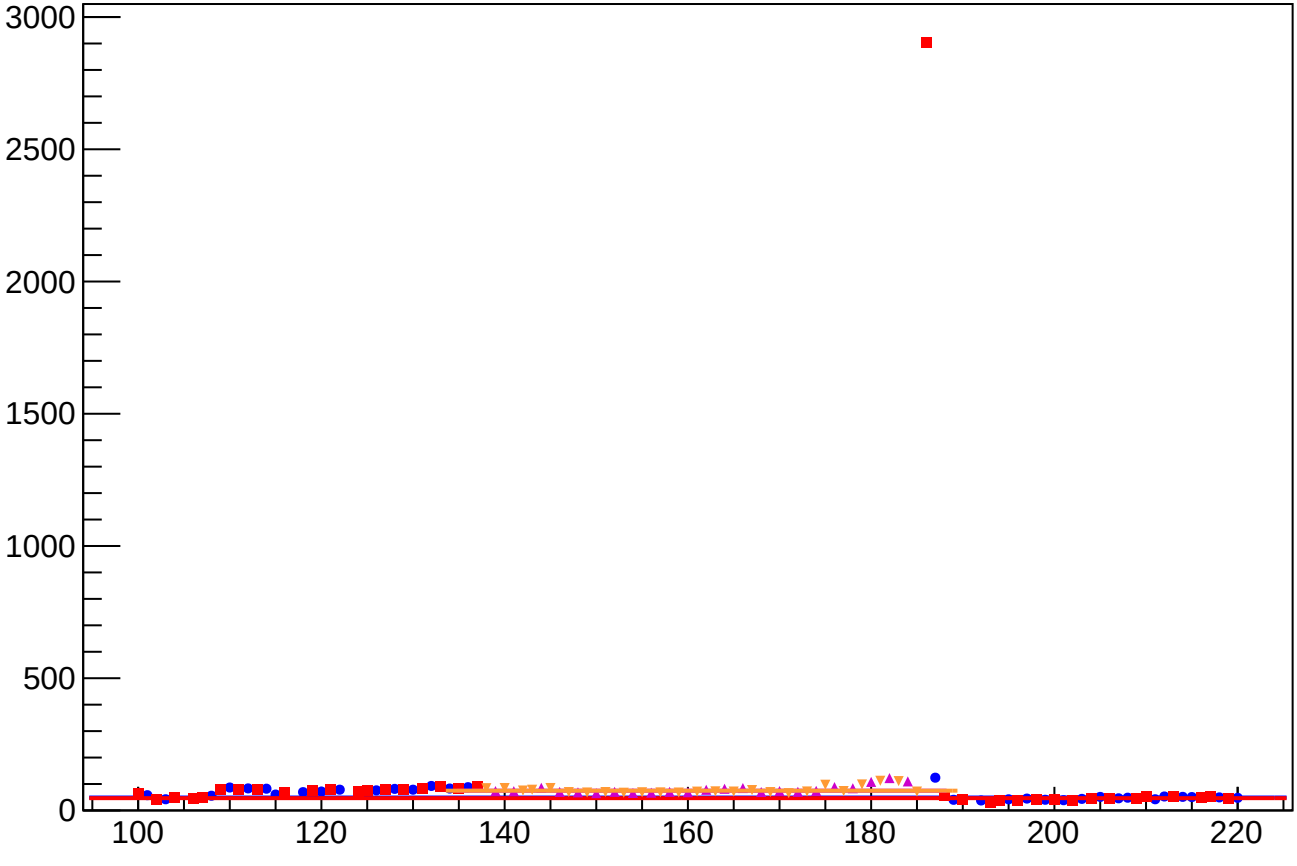
Right: 0.005+/-0.008 χ^2/NDF: 78.2/68

In: -0.019+/-0.010 χ^2/NDF:50.4/55

Out: 0.015+/-0.009 χ^2/NDF:69.6/60

All: -0.002+/-0.007 χ^2/NDF: 126.3/116

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.902+/-0.008 χ^2/NDF: 2300243.8/32

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

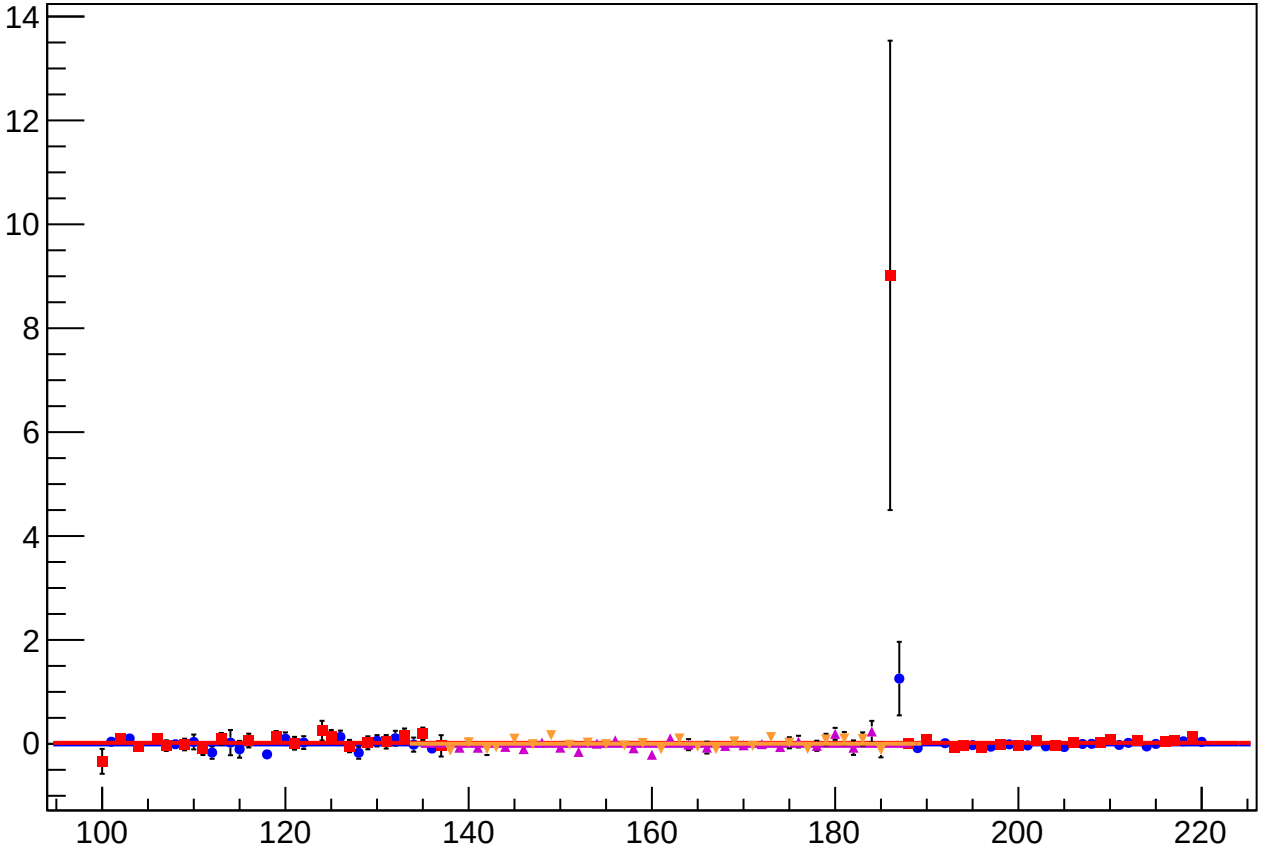
Right: 47.660+/-0.006 χ^2/NDF: 6040051.9/68

In: 56.235+/-0.007 χ^2/NDF:5968056.7/55

Out: 54.463+/-0.007 χ^2/NDF:8211785.7/60

All: 55.321+/-0.005 χ^2/NDF: 14215392.3/116

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.011 χ^2/NDF: 27.1/32

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.019+/-0.011 χ^2/NDF: 47.4/35

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

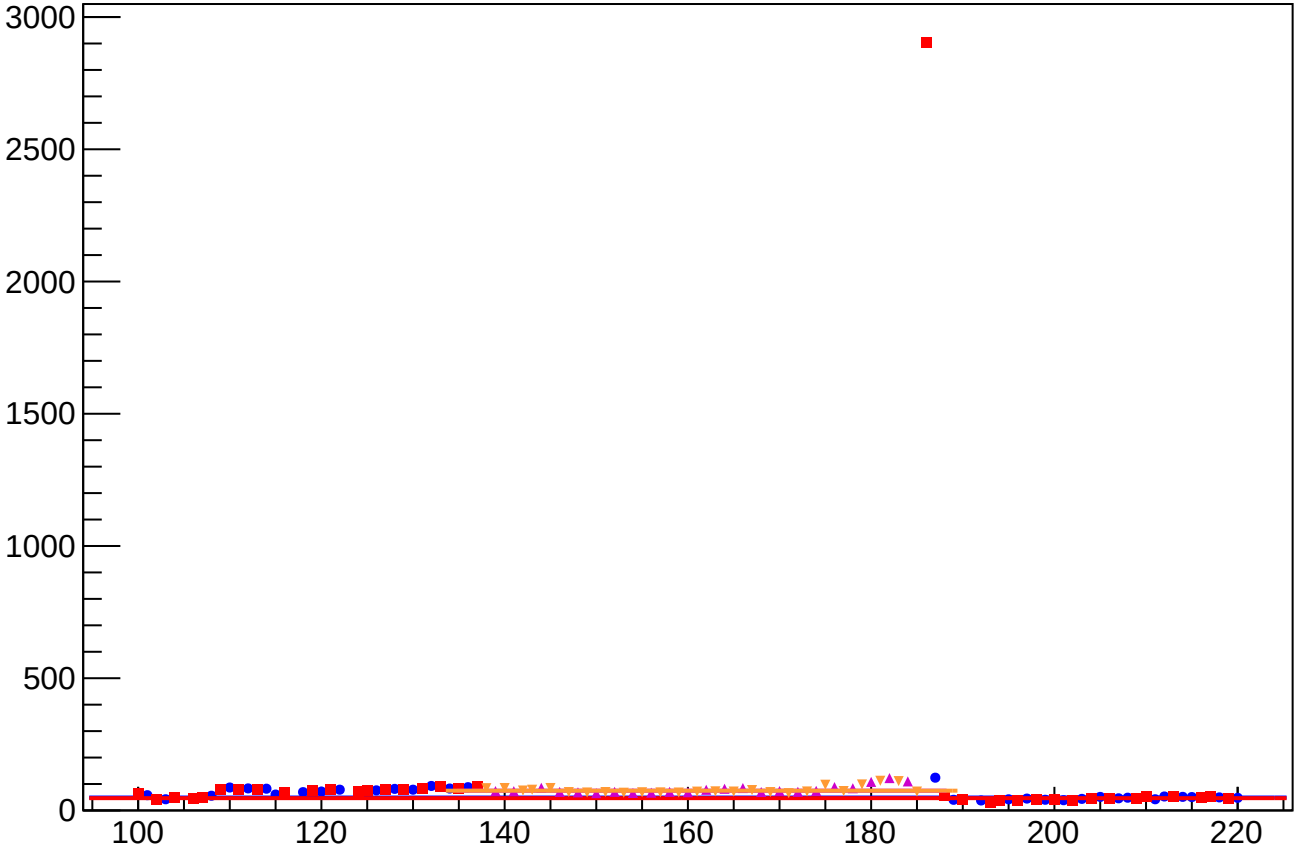
Right: 0.005+/-0.008 χ^2/NDF: 78.2/68

In: -0.019+/-0.010 χ^2/NDF:50.4/55

Out: 0.015+/-0.009 χ^2/NDF:69.6/60

All: -0.002+/-0.007 χ^2/NDF: 126.3/116

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.902+/-0.008 χ^2/NDF: 2300243.8/32

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

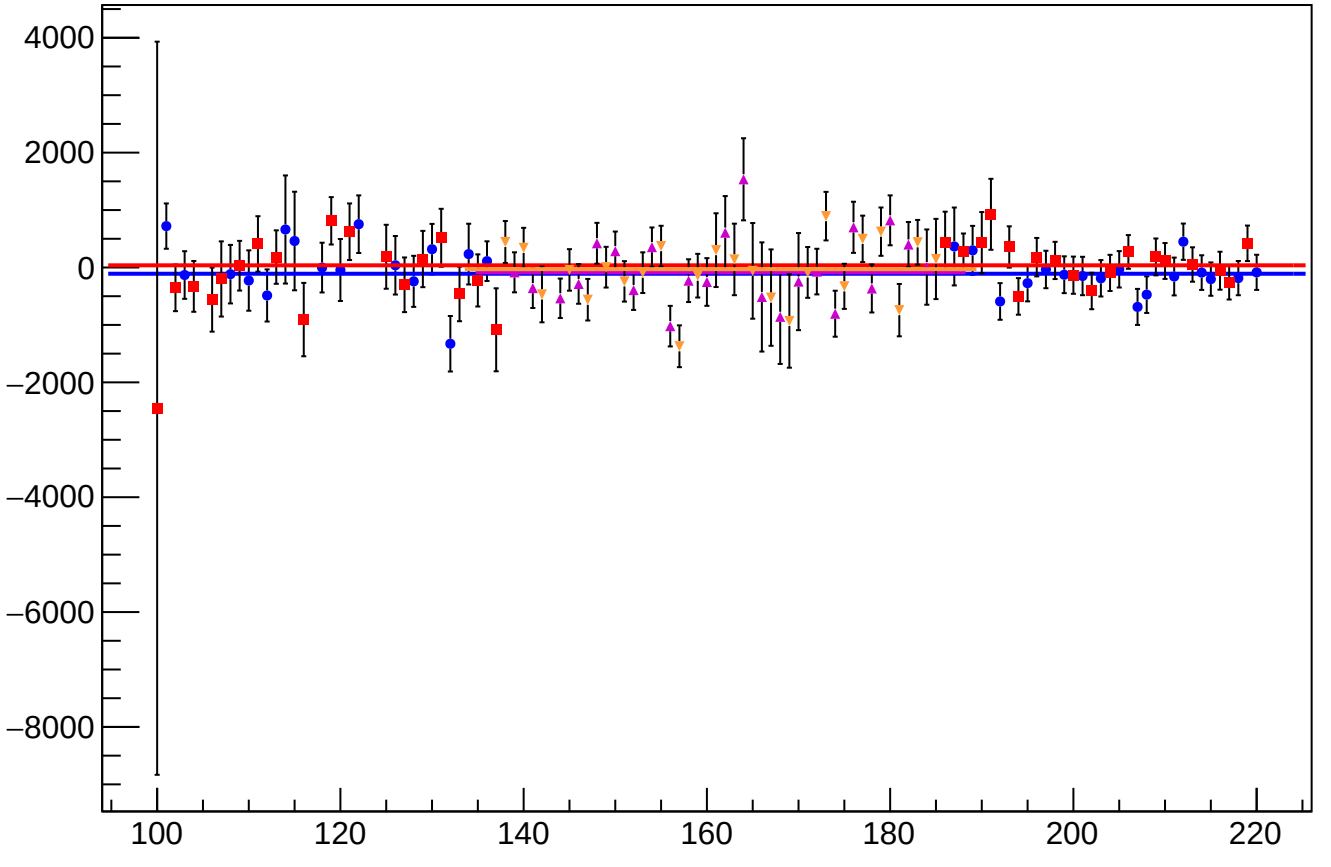
Right: 47.660+/-0.006 χ^2/NDF: 6040051.9/68

In: 56.235+/-0.007 χ^2/NDF:5968056.7/55

Out: 54.463+/-0.007 χ^2/NDF:8211785.7/60

All: 55.321+/-0.005 χ^2/NDF: 14215392.3/116

asym_dsl_mean vs Slug, Sign Corrected



Right In: -108.847+/-65.992 χ^2/NDF: 29.8/32

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 37.930+/-66.004 χ^2/NDF: 29.9/35

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

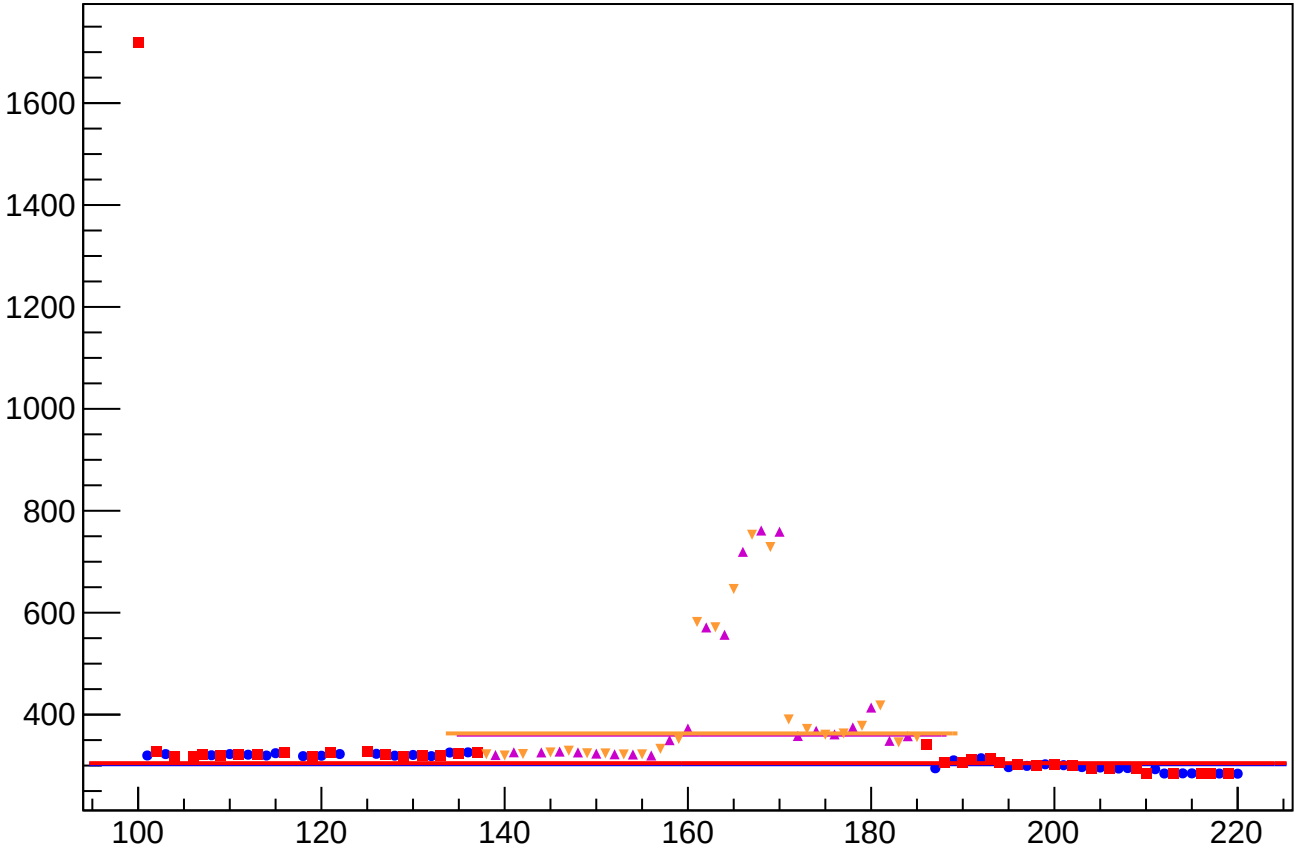
Right: -35.472+/-46.667 χ^2/NDF: 62.2/68

In: -99.599+/-52.461 χ^2/NDF:65.7/55

Out: 13.184+/-52.479 χ^2/NDF:66.9/59

All: -43.227+/-37.102 χ^2/NDF: 134.8/115

asym_dsl_rms vs Slug, Sign Corrected



Right In: 302.623+/-0.047 χ^2/NDF: 97817.3/32

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 304.738+/-0.047 χ^2/NDF: 203334.0/35

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

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

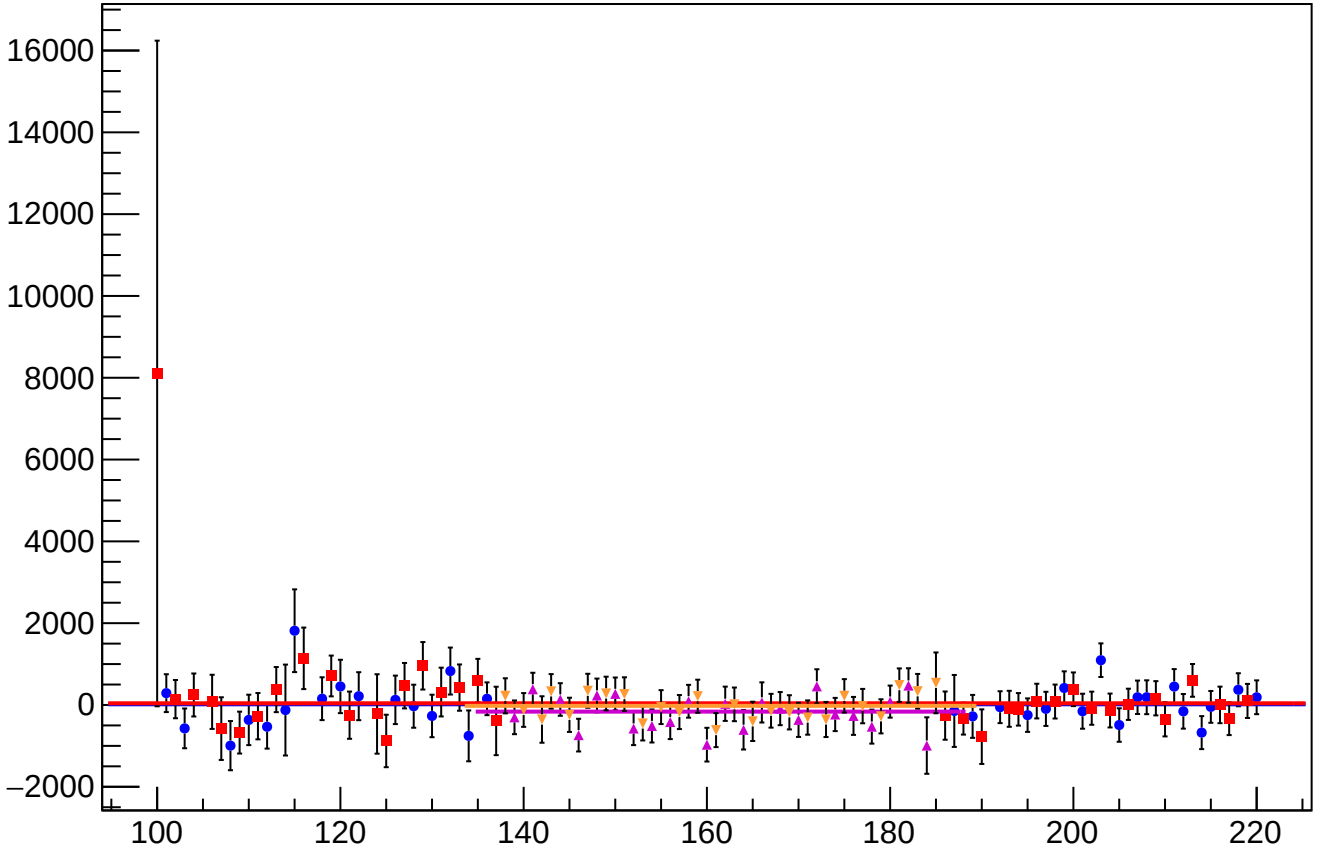
Right: 303.680+/-0.033 χ^2/NDF: 302178.6/68

In: 323.955+/-0.037 χ^2/NDF:2483355.0/55

Out: 326.197+/-0.037 χ^2/NDF:2573660.0/59

All: 325.076+/-0.026 χ^2/NDF: 5058841.8/115

asym_dsr_mean vs Slug, Sign Corrected



Right In: 16.647+/-83.126 χ^2/NDF: 29.7/32

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 41.180+/-82.860 χ^2/NDF: 23.6/35

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

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

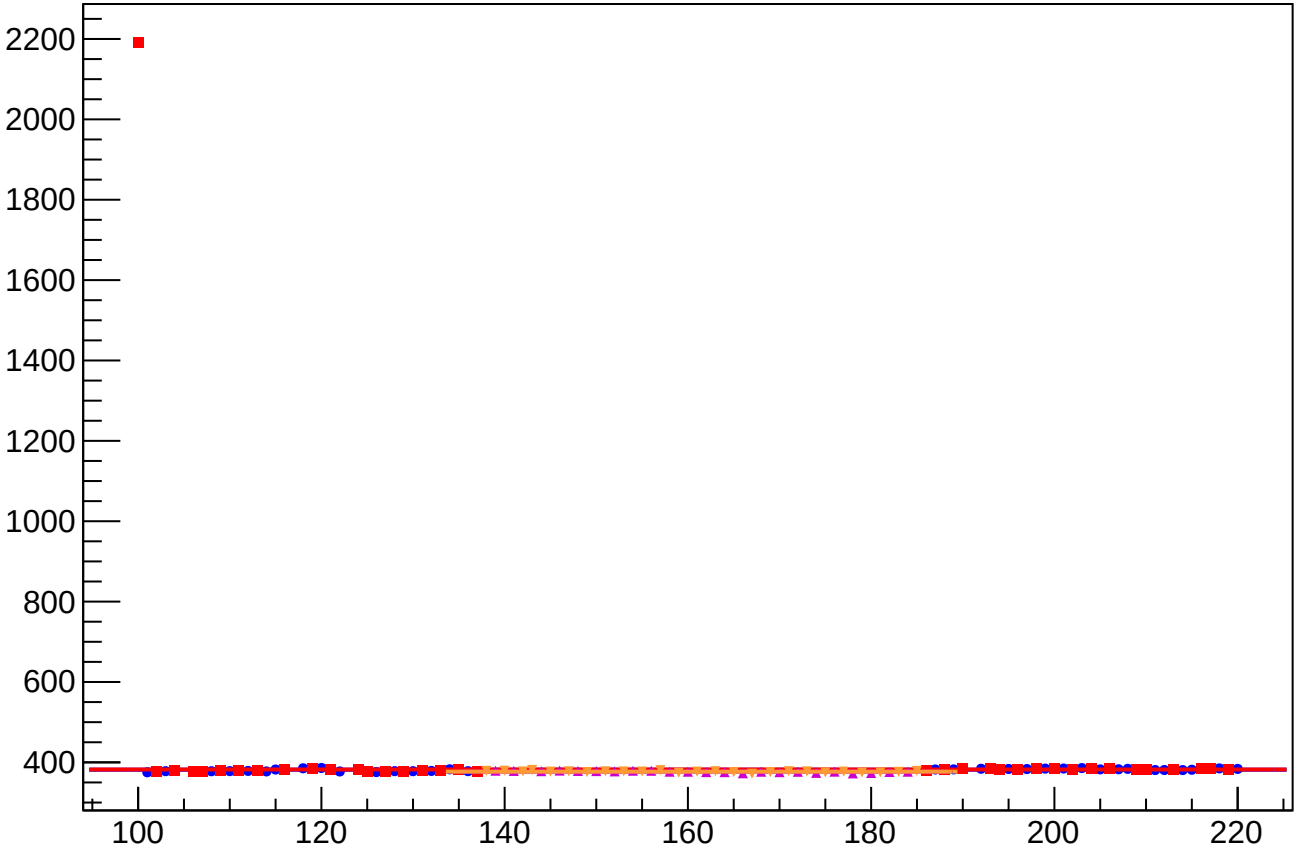
Right: 28.953+/-58.685 χ^2/NDF: 53.4/68

In: -68.069+/-60.426 χ^2/NDF:53.7/55

Out: 11.079+/-59.542 χ^2/NDF:36.5/60

All: -27.912+/-42.412 χ^2/NDF: 91.1/116

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.680+/-0.059 χ^2/NDF: 2450.2/32

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 382.186+/-0.059 χ^2/NDF: 100817.8/35

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

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

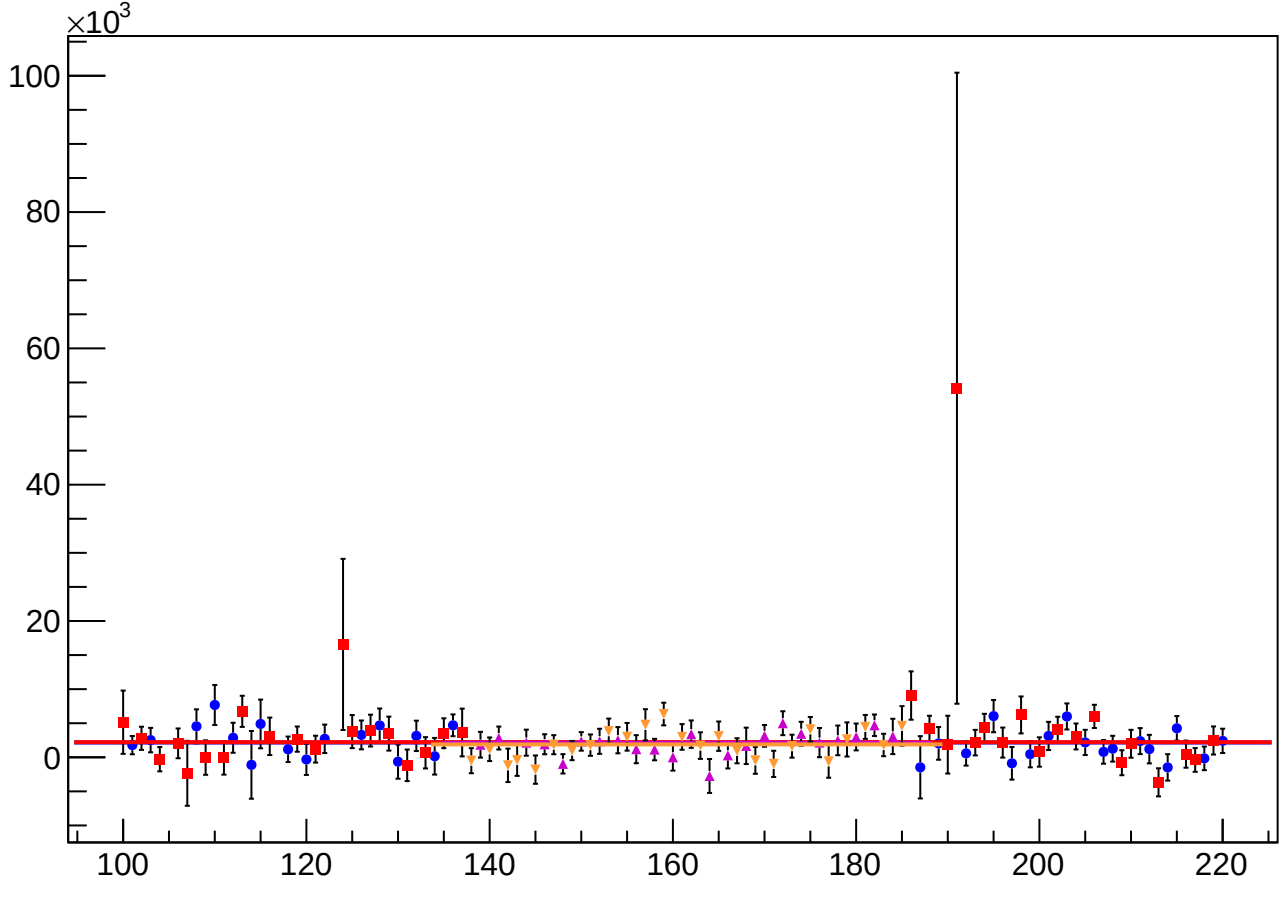
Right: 381.934+/-0.041 χ^2/NDF: 103305.2/68

In: 379.400+/-0.043 χ^2/NDF:6714.1/55

Out: 379.633+/-0.042 χ^2/NDF:105804.1/60

All: 379.518+/-0.030 χ^2/NDF: 112533.2/116

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2168.576+/-359.417 χ^2/NDF: 31.5/32

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2216.382+/-369.821 χ^2/NDF: 44.7/36

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

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

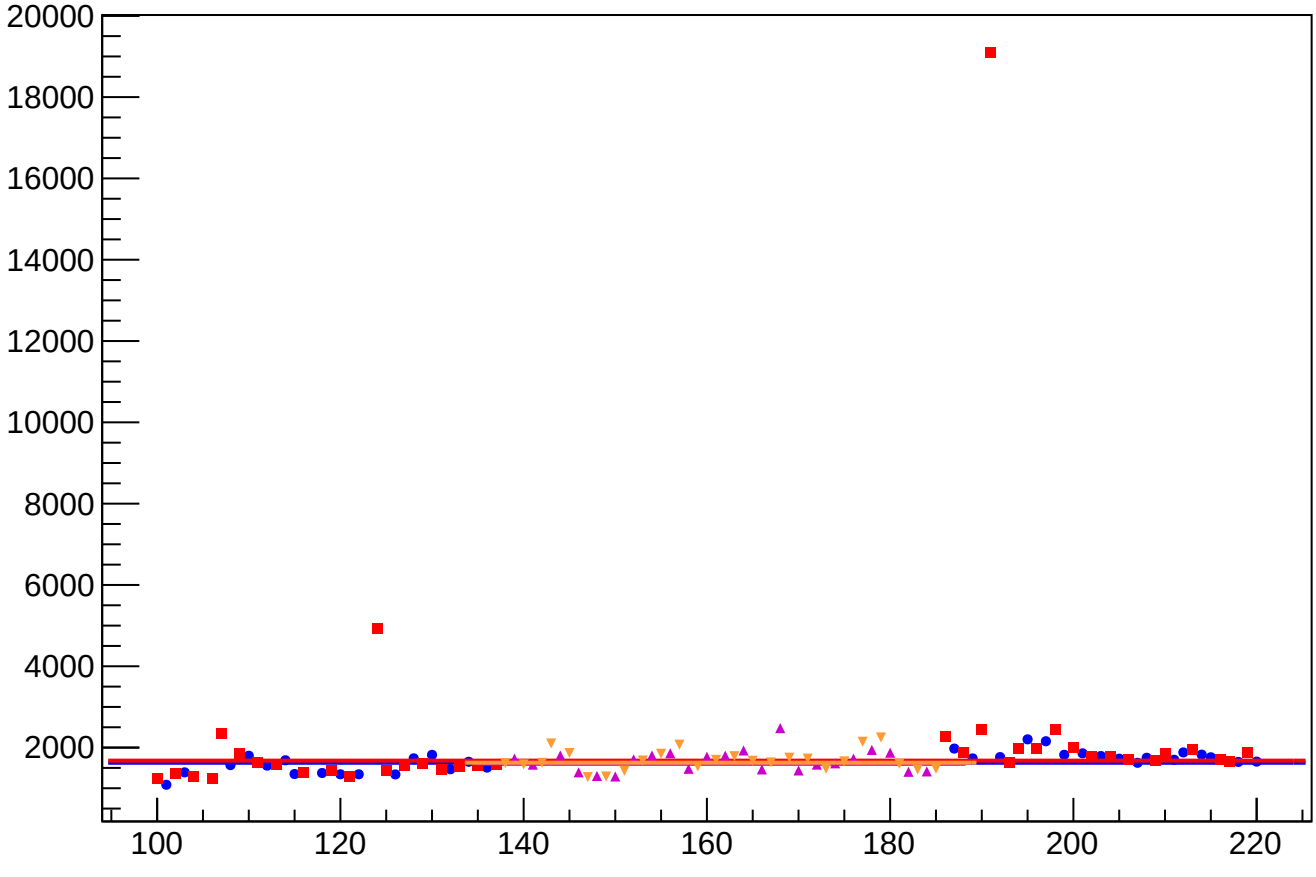
Right: 2191.797+/-257.746 χ^2/NDF: 76.2/69

In: 2138.674+/-260.811 χ^2/NDF:50.1/55

Out: 2056.179+/-263.415 χ^2/NDF:73.4/61

All: 2097.836+/-185.335 χ^2/NDF: 123.6/117

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1626.365+/-0.254 χ^2/NDF: 946434.3/32

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1679.366+/-0.262 χ^2/NDF: 1442148.9/36

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

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

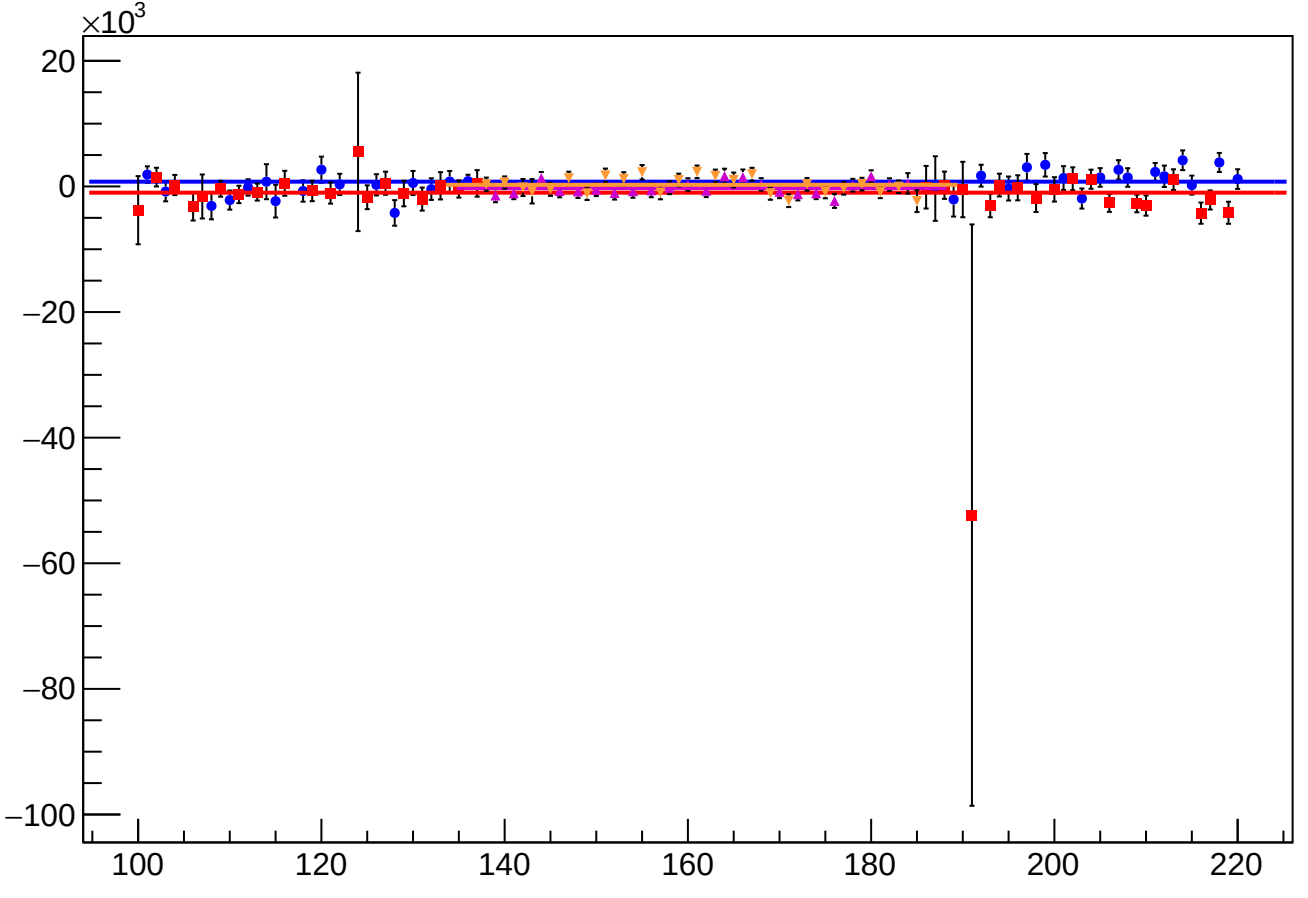
Right: 1652.110+/-0.182 χ^2/NDF: 2409708.3/69

In: 1614.592+/-0.184 χ^2/NDF:1744690.2/55

Out: 1654.296+/-0.186 χ^2/NDF:2239899.5/61

All: 1634.247+/-0.131 χ^2/NDF: 4007534.7/11

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 761.534+/-291.665 χ^2/NDF: 39.0/32

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -991.119+/-299.030 χ^2/NDF: 28.7/36

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

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

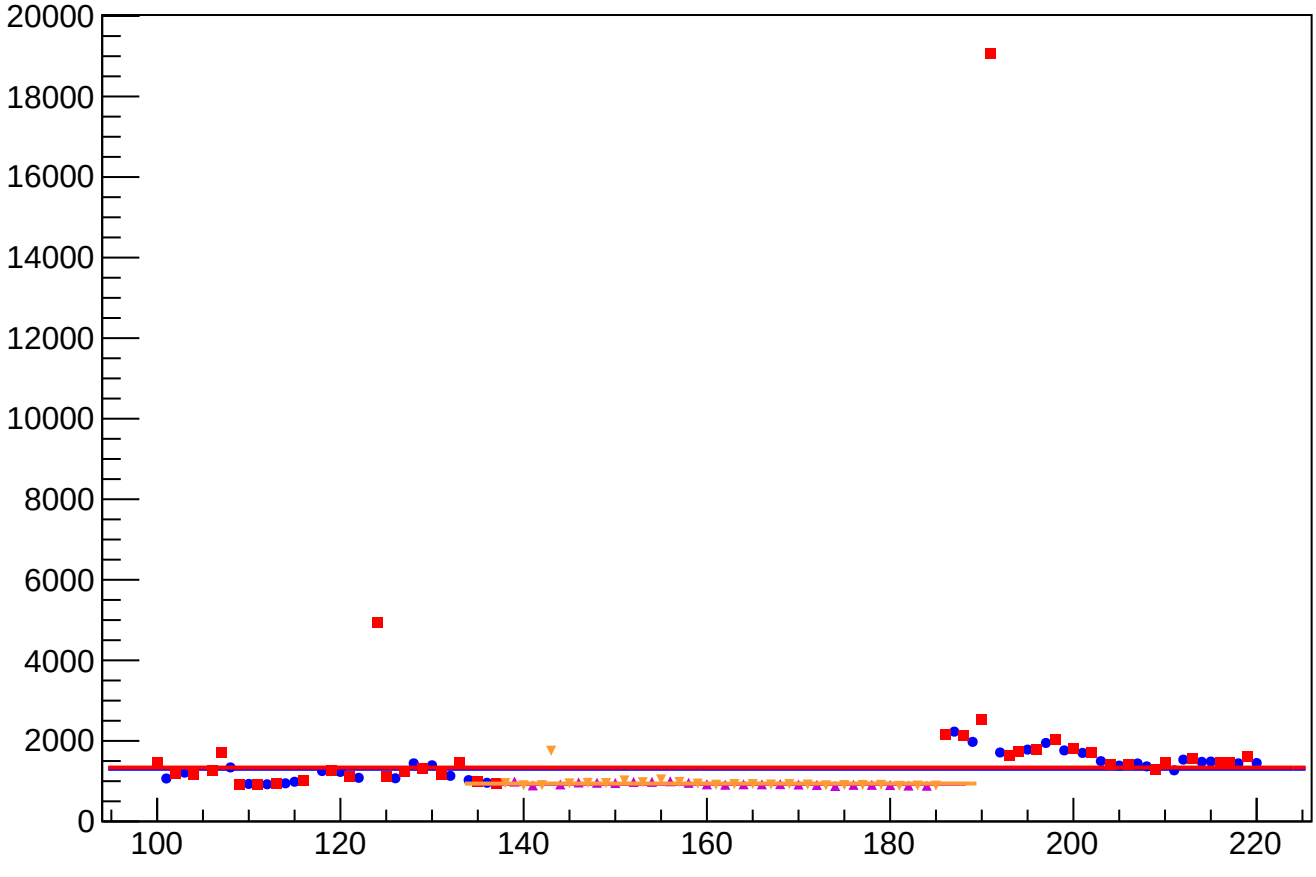
Right: -92.943+/-208.793 χ^2/NDF: 85.3/69

In: 100.927+/-174.453 χ^2/NDF:68.4/55

Out: -164.689+/-174.543 χ^2/NDF:74.2/61

All: -31.812+/-123.389 χ^2/NDF: 143.7/117

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1307.578+/-0.206 χ^2/NDF: 1812518.0/32

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1338.050+/-0.211 χ^2/NDF: 2773946.0/36

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

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

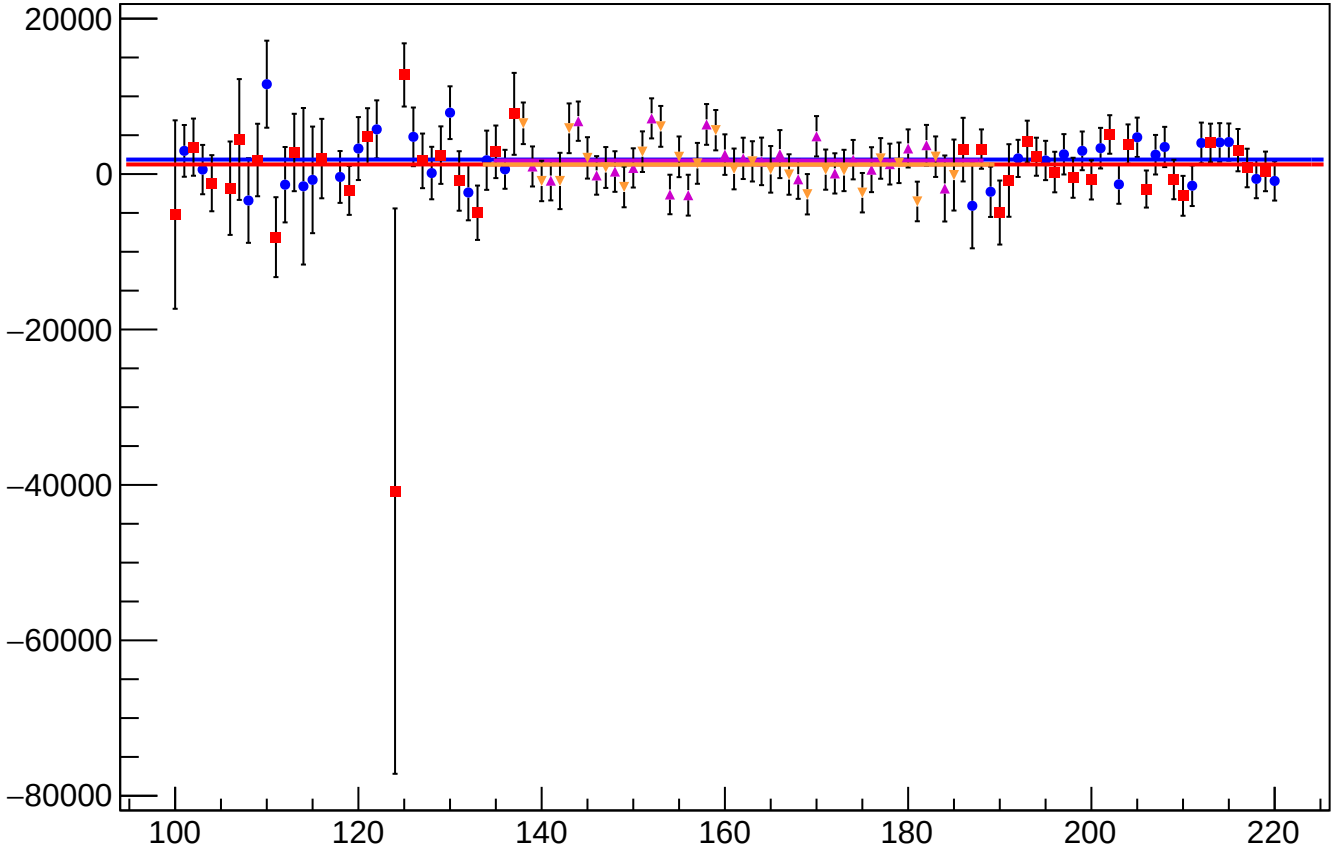
Right: 1322.434+/-0.148 χ^2/NDF: 4597107.1/69

In: 1066.085+/-0.123 χ^2/NDF:3996319.5/55

Out: 1076.285+/-0.123 χ^2/NDF:5516232.3/61

All: 1071.182+/-0.087 χ^2/NDF: 9515968.8/11

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1866.544+/-528.031 χ^2/NDF: 25.2/32

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1237.681+/-532.494 χ^2/NDF: 37.8/36

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

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

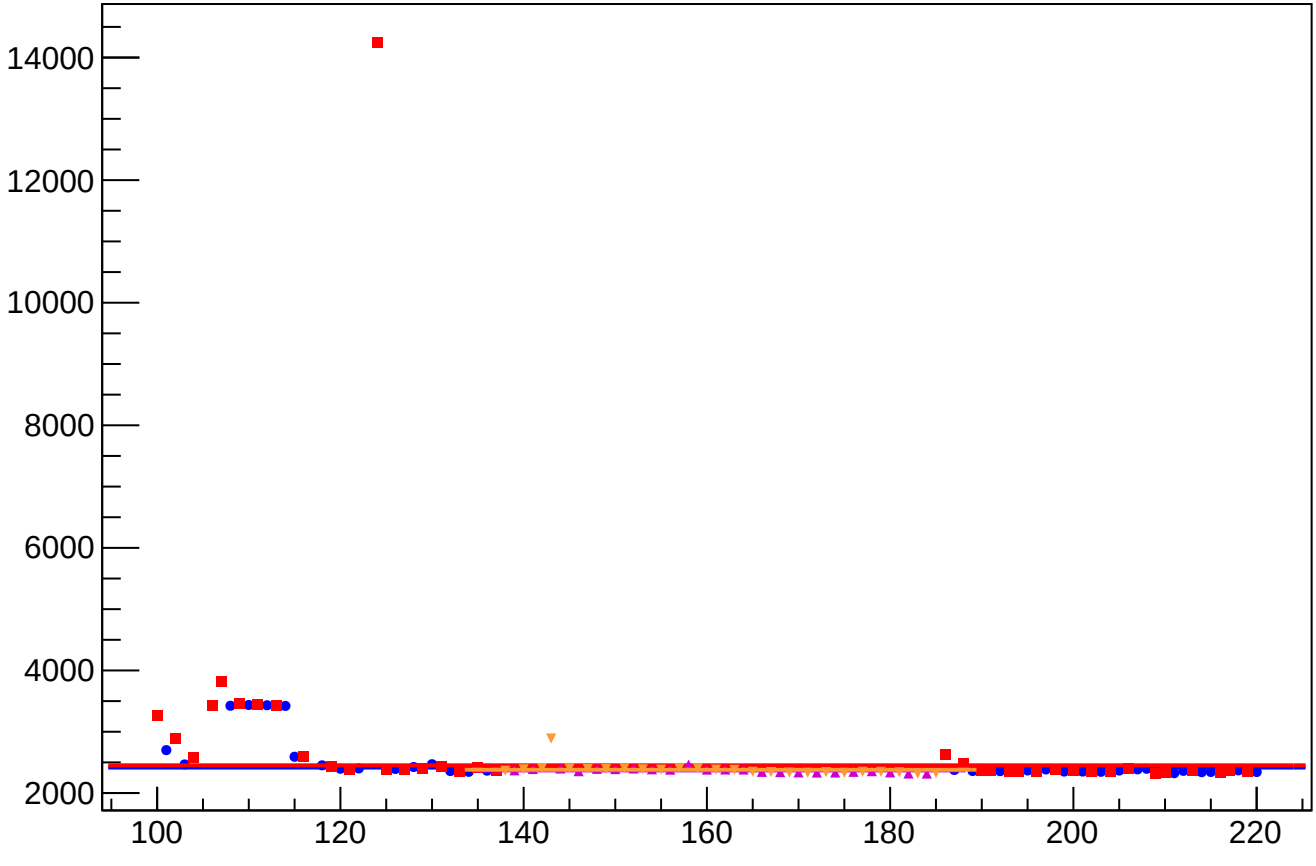
Right: 1554.759+/-374.943 χ^2/NDF: 63.8/69

In: 1807.047+/-381.980 χ^2/NDF:49.6/55

Out: 1236.229+/-379.602 χ^2/NDF:61.7/61

All: 1519.855+/-269.256 χ^2/NDF: 112.5/117

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2416.270+/-0.373 χ^2/NDF: 279554.6/32

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.166+/-0.377 χ^2/NDF: 660376.1/36

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

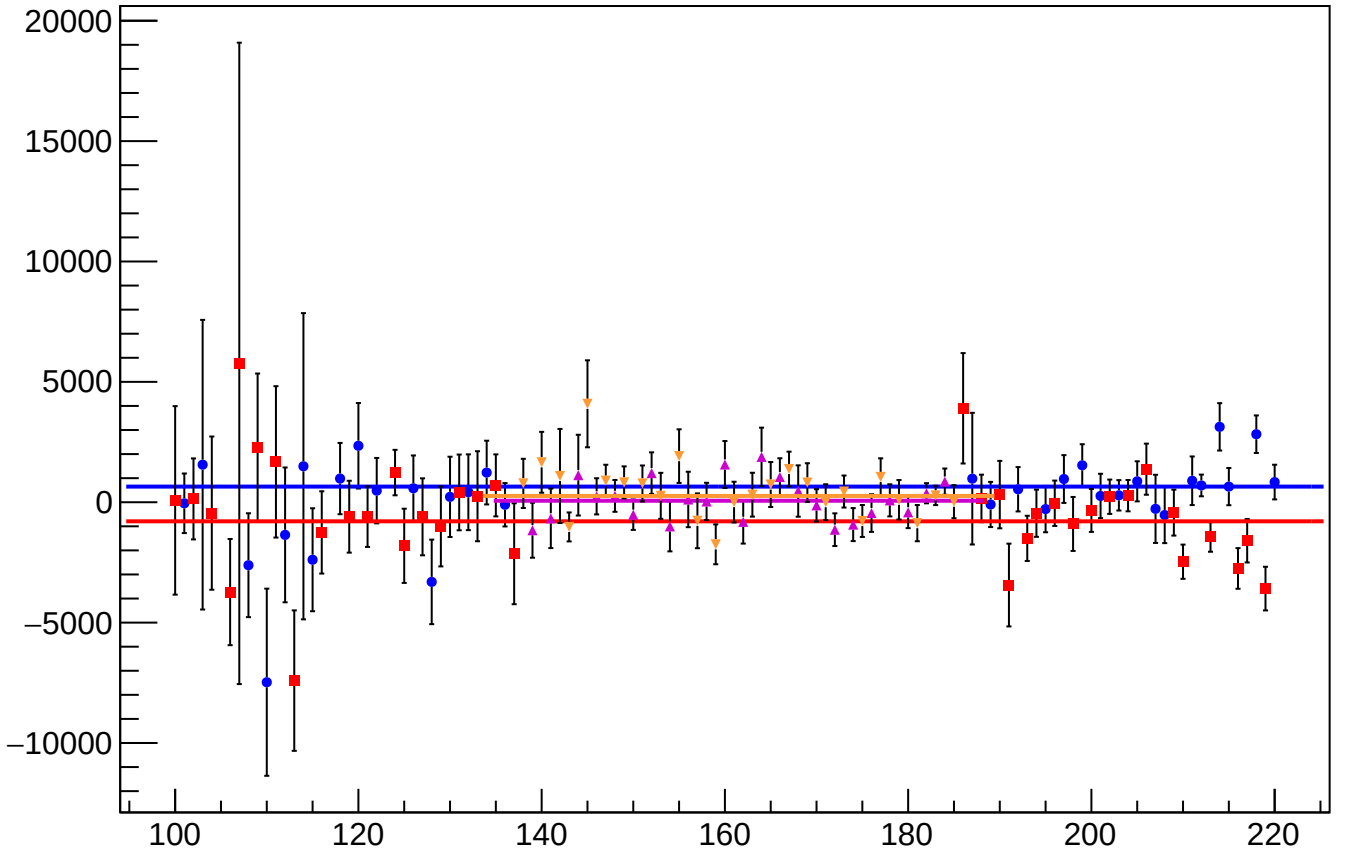
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2434.067+/-0.265 χ^2/NDF: 944513.2/69

In: 2393.920+/-0.270 χ^2/NDF:294105.2/55

Out: 2417.281+/-0.268 χ^2/NDF:735451.8/61

All: 2405.674+/-0.190 χ^2/NDF: 1033320.7/11



Right In: 649.738+/-181.171 χ^2/NDF: 35.6/32

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -792.431+/-187.308 χ^2/NDF: 58.1/36

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

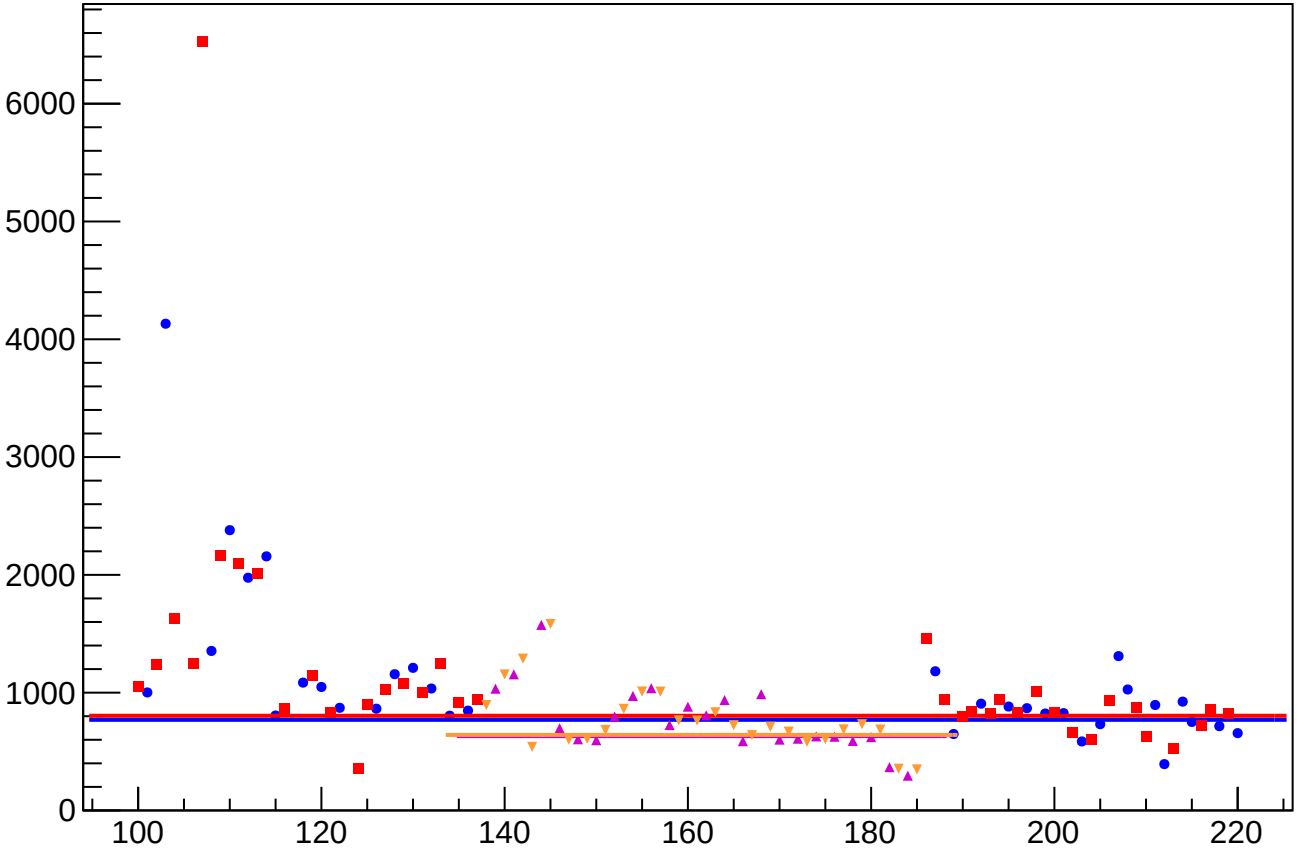
Right: -47.336+/-130.223 χ^2/NDF: 124.4/69

In: 314.772+/-118.818 χ^2/NDF:63.6/55

Out: -163.390+/-118.960 χ^2/NDF:108.1/61

All: 75.978+/-84.067 χ^2/NDF: 179.8/117

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 769.478+/-0.128 χ^2/NDF: 4402453.7/32

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 803.960+/-0.132 χ^2/NDF: 3810557.9/36

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

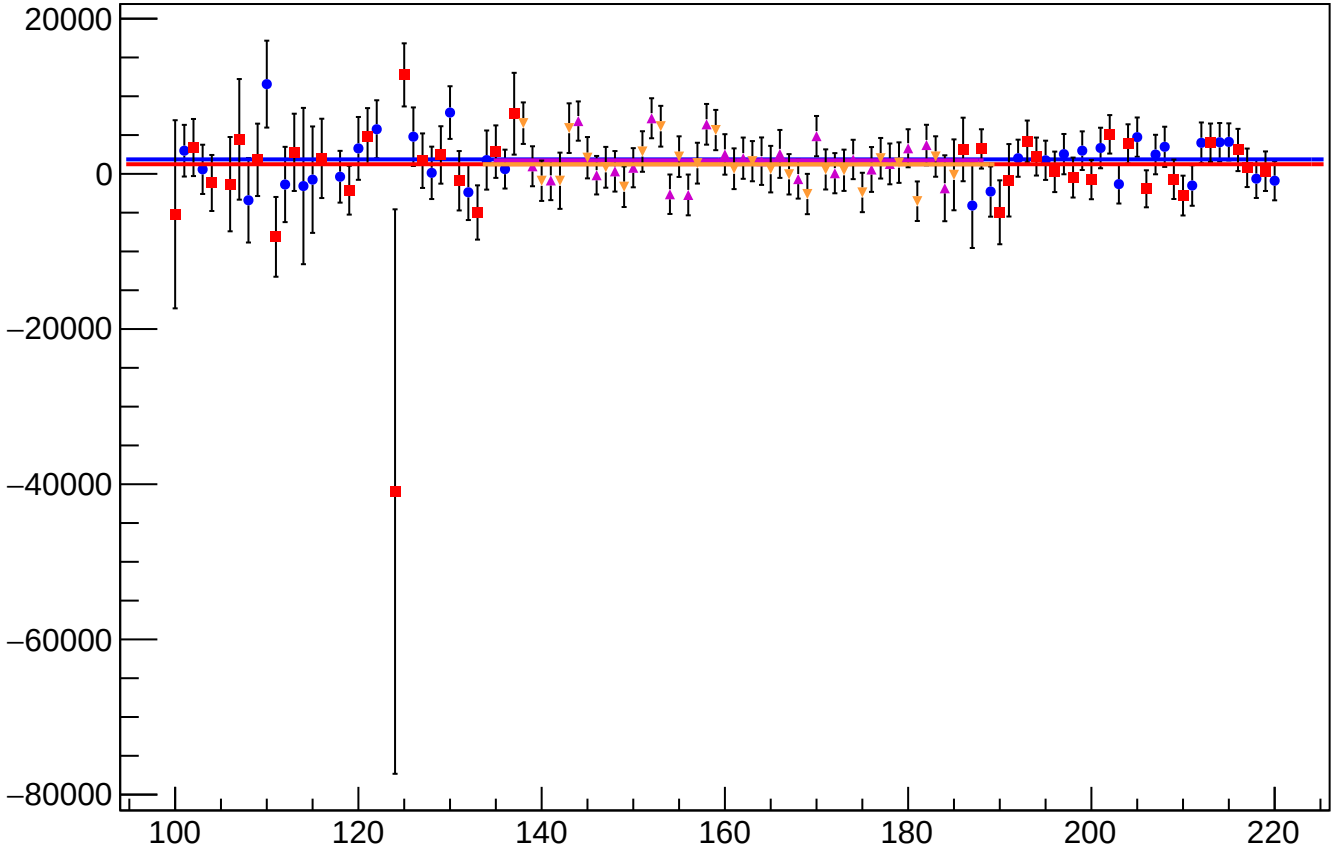
Right: 786.145+/-0.092 χ^2/NDF: 8248030.2/69

In: 690.674+/-0.084 χ^2/NDF:9041870.8/55

Out: 706.825+/-0.084 χ^2/NDF:8186902.2/61

All: 698.740+/-0.059 χ^2/NDF: 17247226.7/11

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1866.726+/-528.031 χ^2/NDF: 25.2/32

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1240.477+/-532.542 χ^2/NDF: 37.7/36

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

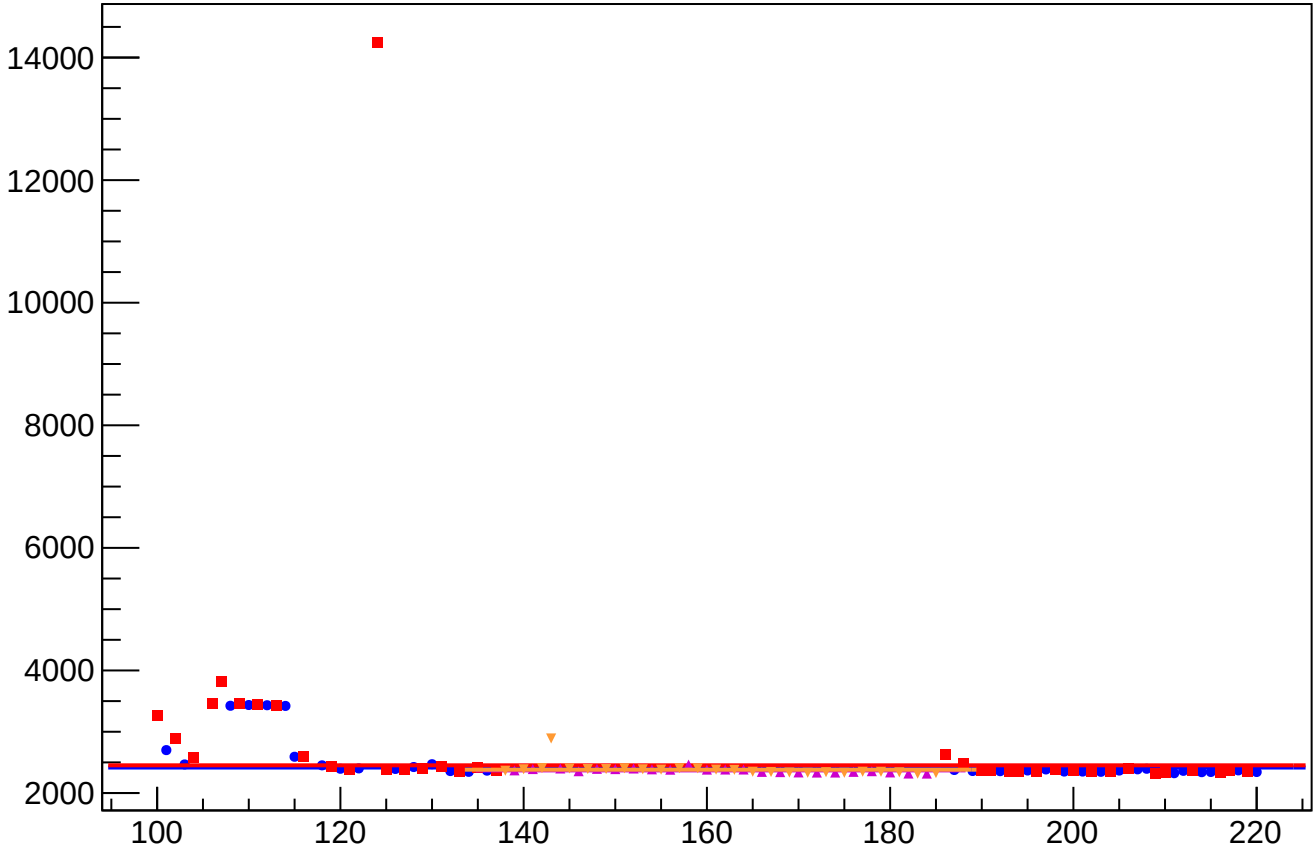
Right: 1556.265+/-374.959 χ^2/NDF: 63.7/69

In: 1807.168+/-381.980 χ^2/NDF:49.6/55

Out: 1237.639+/-379.619 χ^2/NDF:61.6/61

All: 1520.637+/-269.262 χ^2/NDF: 112.4/117

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2416.270+/-0.373 χ^2/NDF: 279554.6/32

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

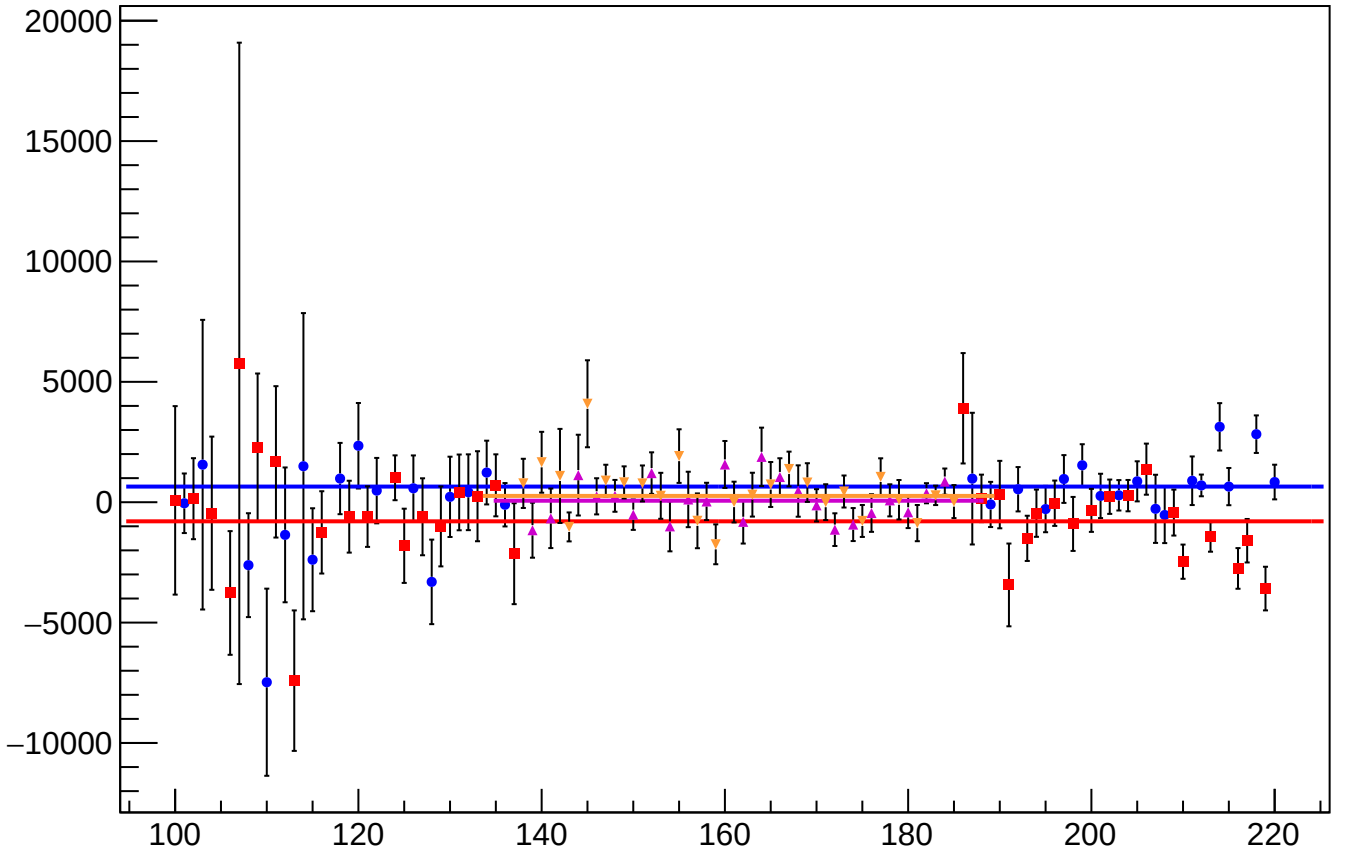
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2434.128+/-0.265 χ^2/NDF: 947523.9/69

In: 2393.920+/-0.270 χ^2/NDF:294105.2/55

Out: 2417.343+/-0.268 χ^2/NDF:738491.7/61

All: 2405.704+/-0.190 χ^2/NDF: 1036380.4/11



Right In: 649.697+/-181.172 χ^2/NDF: 35.6/32

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -793.483+/-187.385 χ^2/NDF: 56.8/36

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

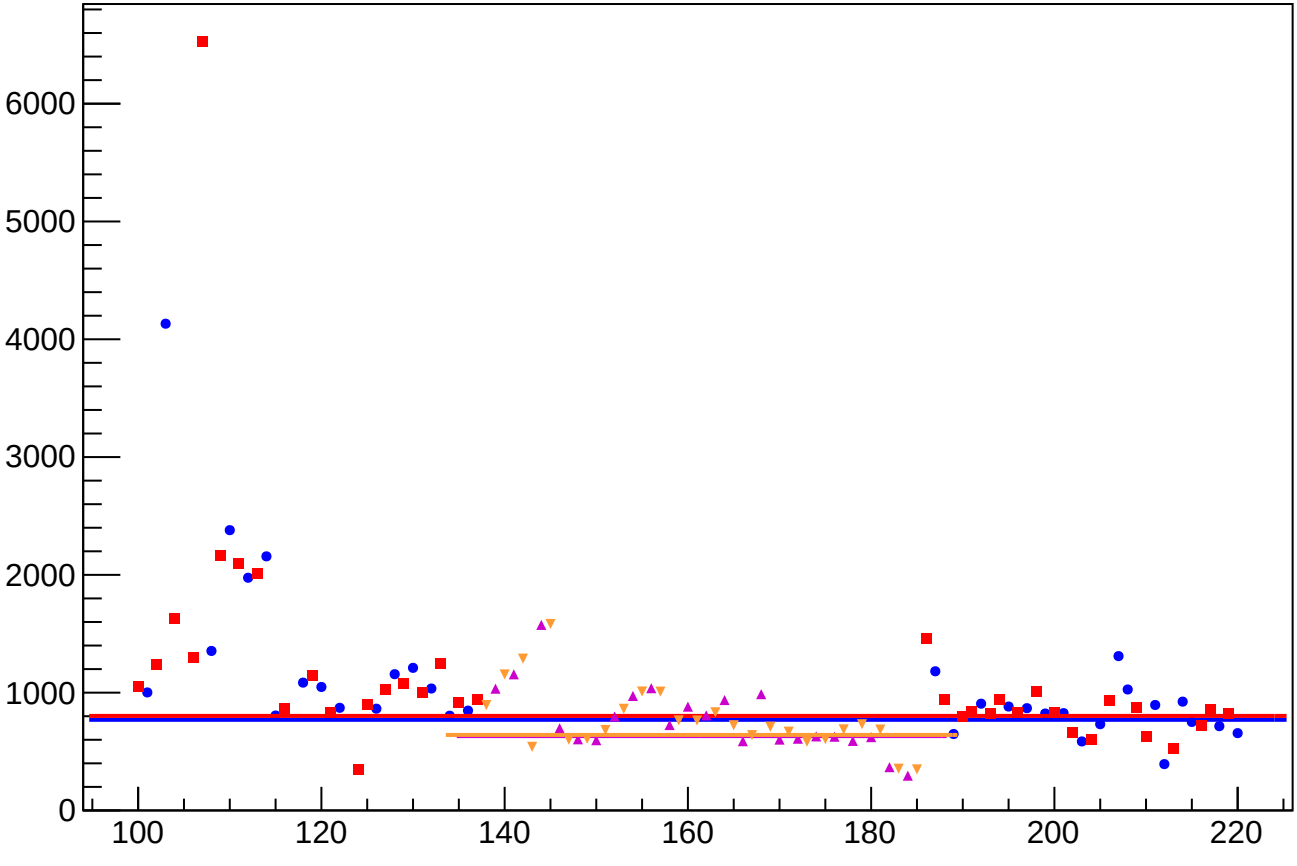
Right: -47.571+/-130.249 χ^2/NDF: 123.1/69

In: 314.760+/-118.818 χ^2/NDF:63.6/55

Out: -163.442+/-118.981 χ^2/NDF:106.9/61

All: 75.988+/-84.075 χ^2/NDF: 178.6/117

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 769.488+/-0.128 χ^2/NDF: 4402063.4/32

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

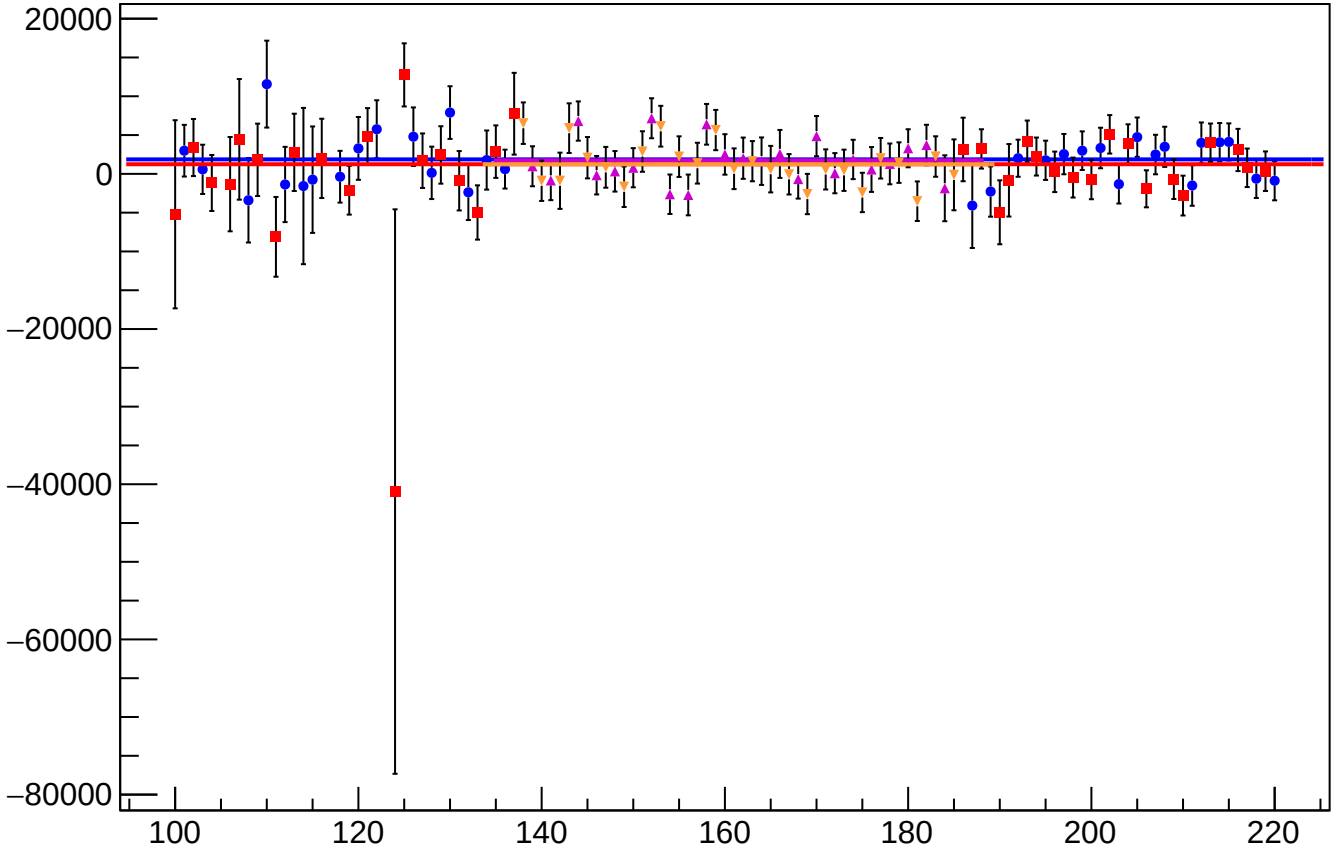
Right: 785.536+/-0.092 χ^2/NDF: 8259150.2/69

In: 690.677+/-0.084 χ^2/NDF:9041720.6/55

Out: 706.295+/-0.084 χ^2/NDF:8186228.6/61

All: 698.475+/-0.059 χ^2/NDF: 17245203.6/11

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1866.726+/-528.031 χ^2/NDF: 25.2/32

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1240.477+/-532.542 χ^2/NDF: 37.7/36

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

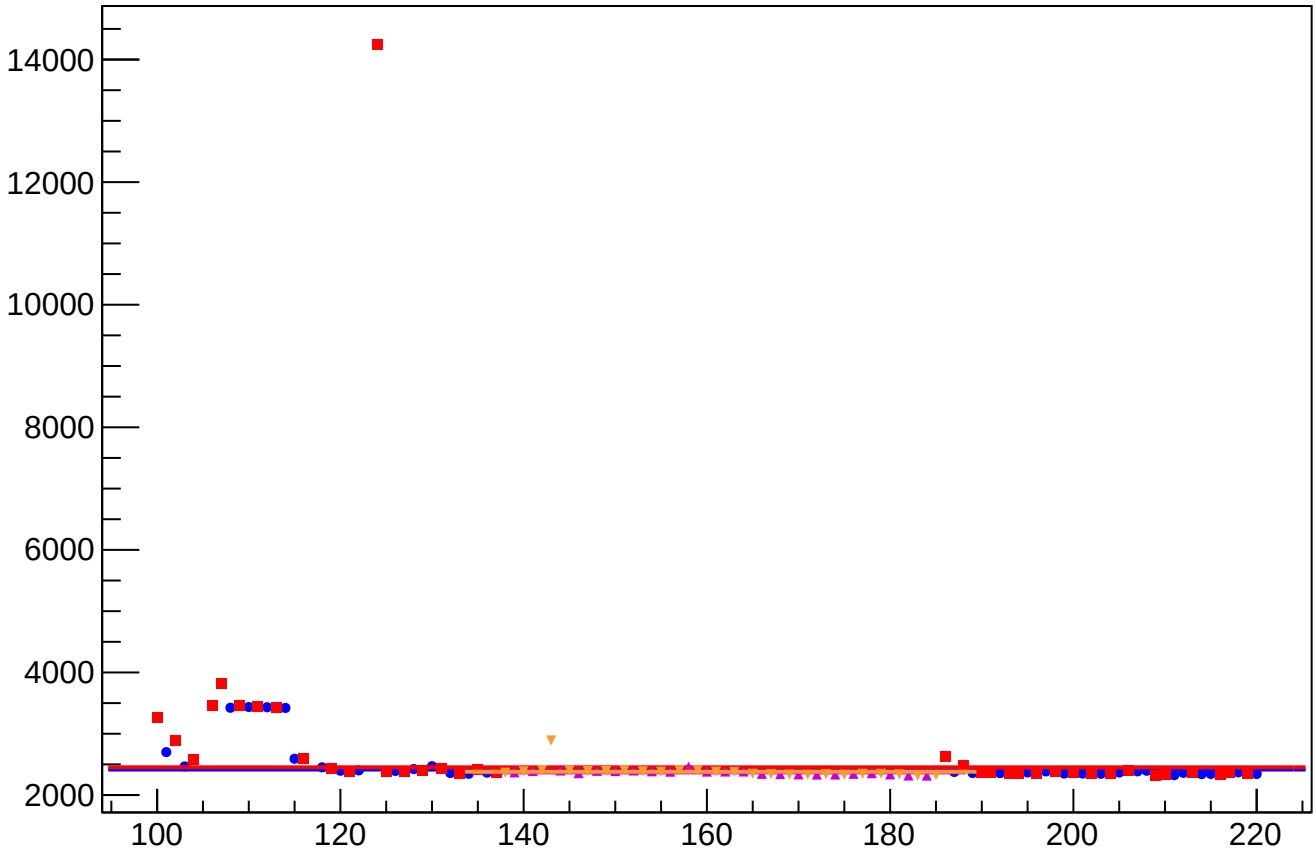
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

Right: 1556.265+/-374.959 χ^2/NDF: 63.7/69

In: 1807.168+/-381.980 χ^2/NDF:49.6/55

Out: 1237.639+/-379.619 χ^2/NDF:61.6/61

All: 1520.637+/-269.262 χ^2/NDF: 112.4/117



Right In: 2416.270+/-0.373 χ^2/NDF: 279554.6/32

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

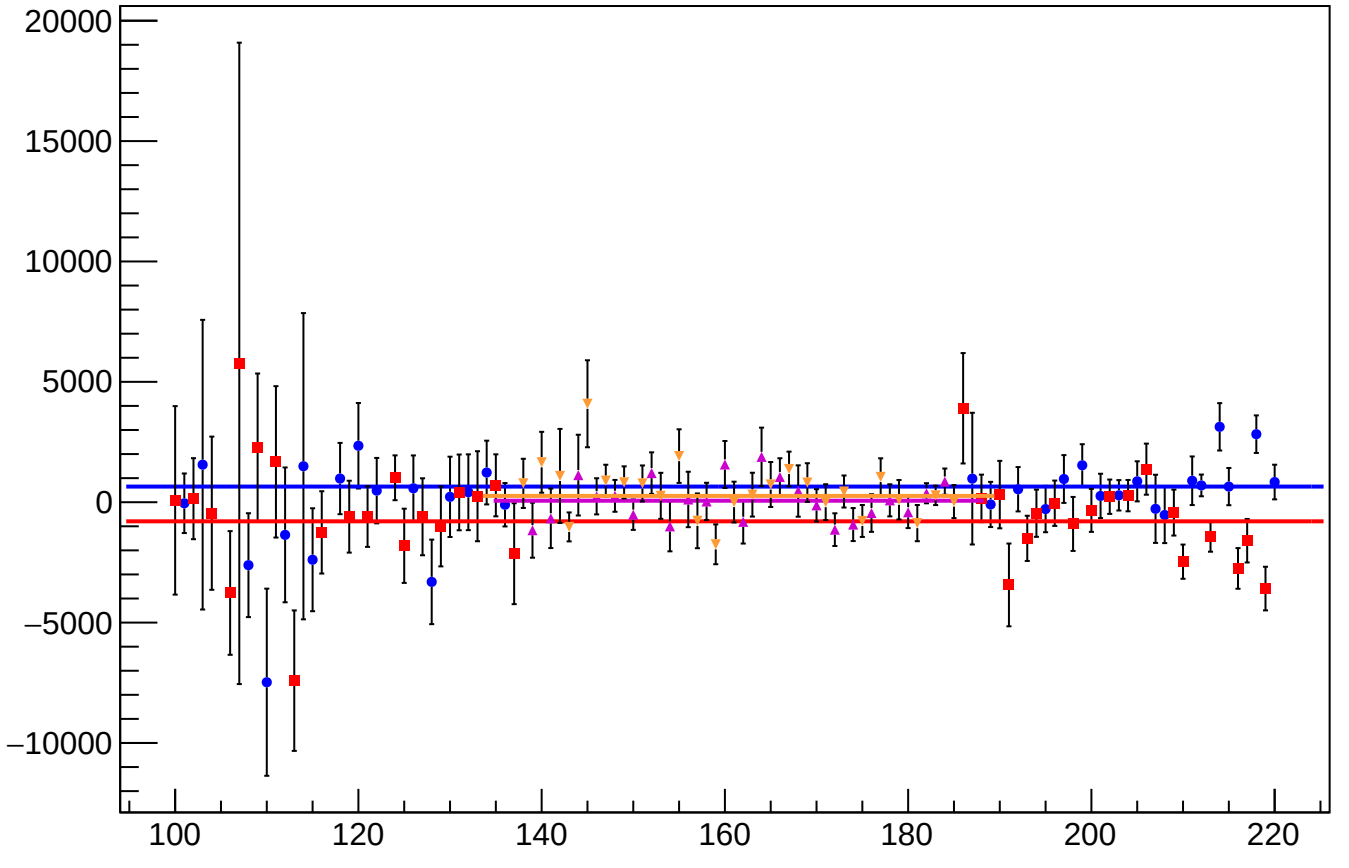
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2434.128+/-0.265 χ^2/NDF: 947523.9/69

In: 2393.920+/-0.270 χ^2/NDF:294105.2/55

Out: 2417.343+/-0.268 χ^2/NDF:738491.7/61

All: 2405.704+/-0.190 χ^2/NDF: 1036380.4/11



Right In: 649.697+/-181.172 χ^2/NDF: 35.6/32

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -793.483+/-187.385 χ^2/NDF: 56.8/36

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

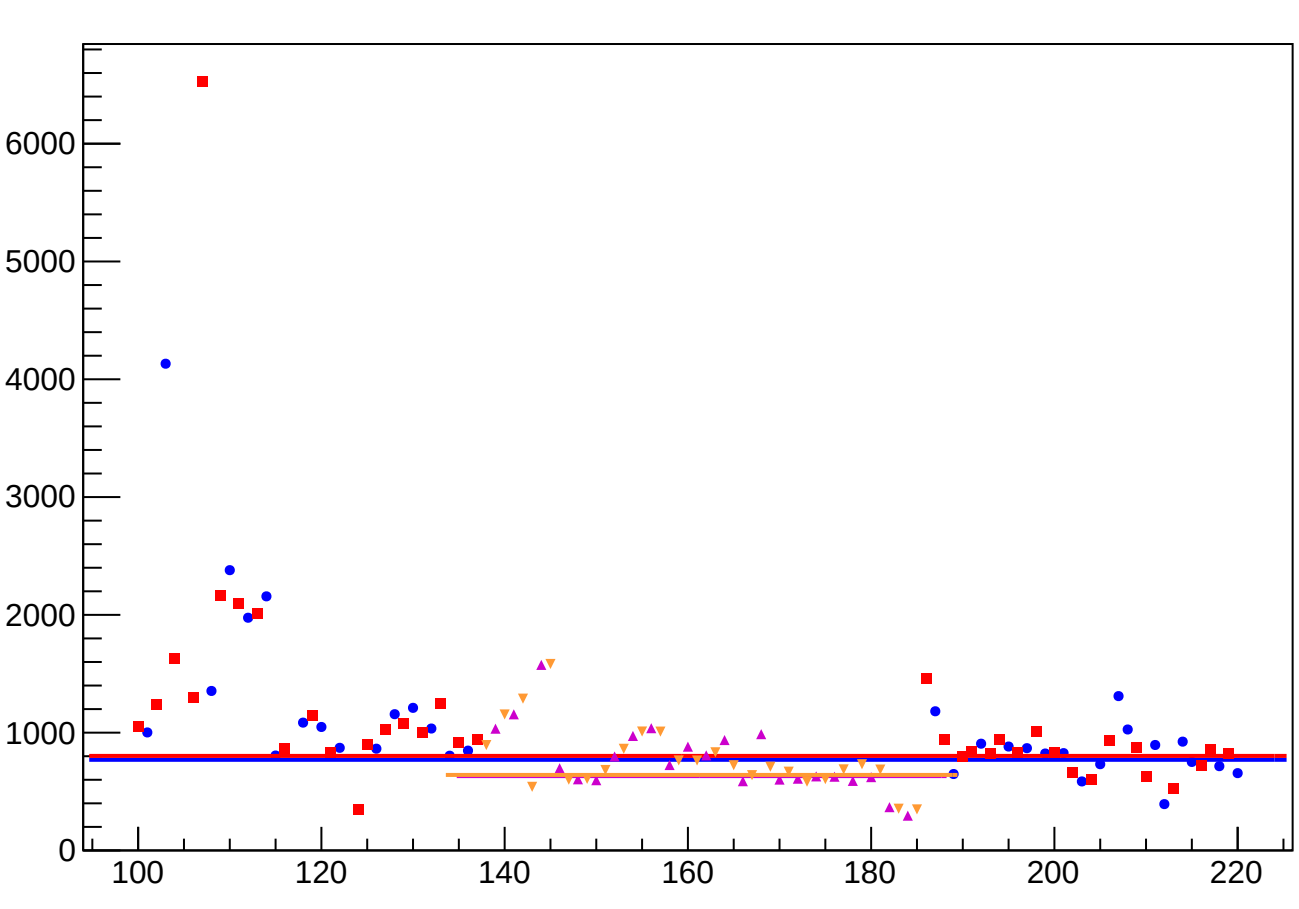
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -47.571+/-130.249 χ^2/NDF: 123.1/69

In: 314.760+/-118.818 χ^2/NDF:63.6/55

Out: -163.442+/-118.981 χ^2/NDF:106.9/61

All: 75.988+/-84.075 χ^2/NDF: 178.6/117



Right In: 769.488+/-0.128 χ^2/NDF: 4402063.4/32

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

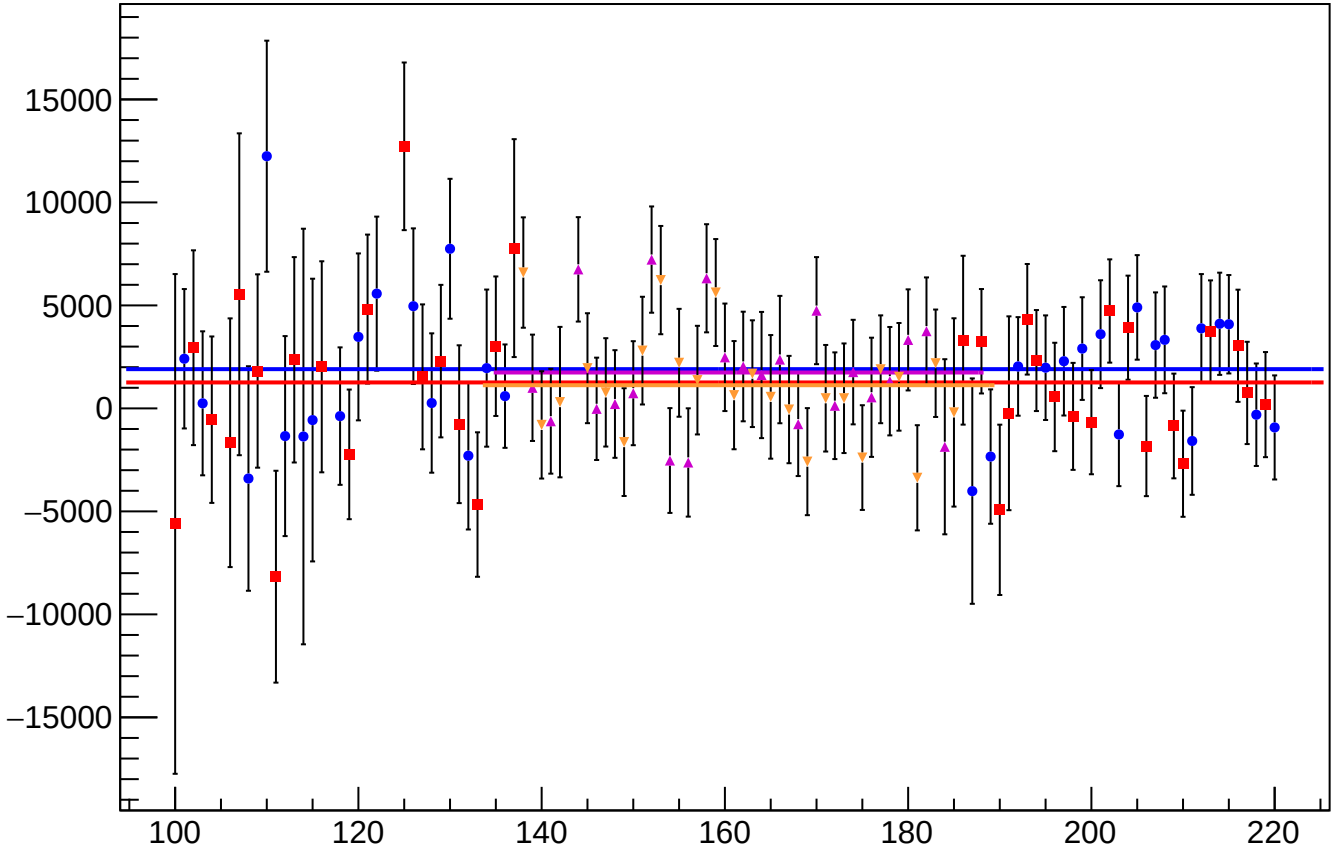
Right: 785.536+/-0.092 χ^2/NDF: 8259150.2/69

In: 690.677+/-0.084 χ^2/NDF:9041720.6/55

Out: 706.295+/-0.084 χ^2/NDF:8186228.6/61

All: 698.475+/-0.059 χ^2/NDF: 17245203.6/11

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1905.302+/-530.729 χ^2/NDF: 25.3/32

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1259.665+/-537.825 χ^2/NDF: 34.8/35

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

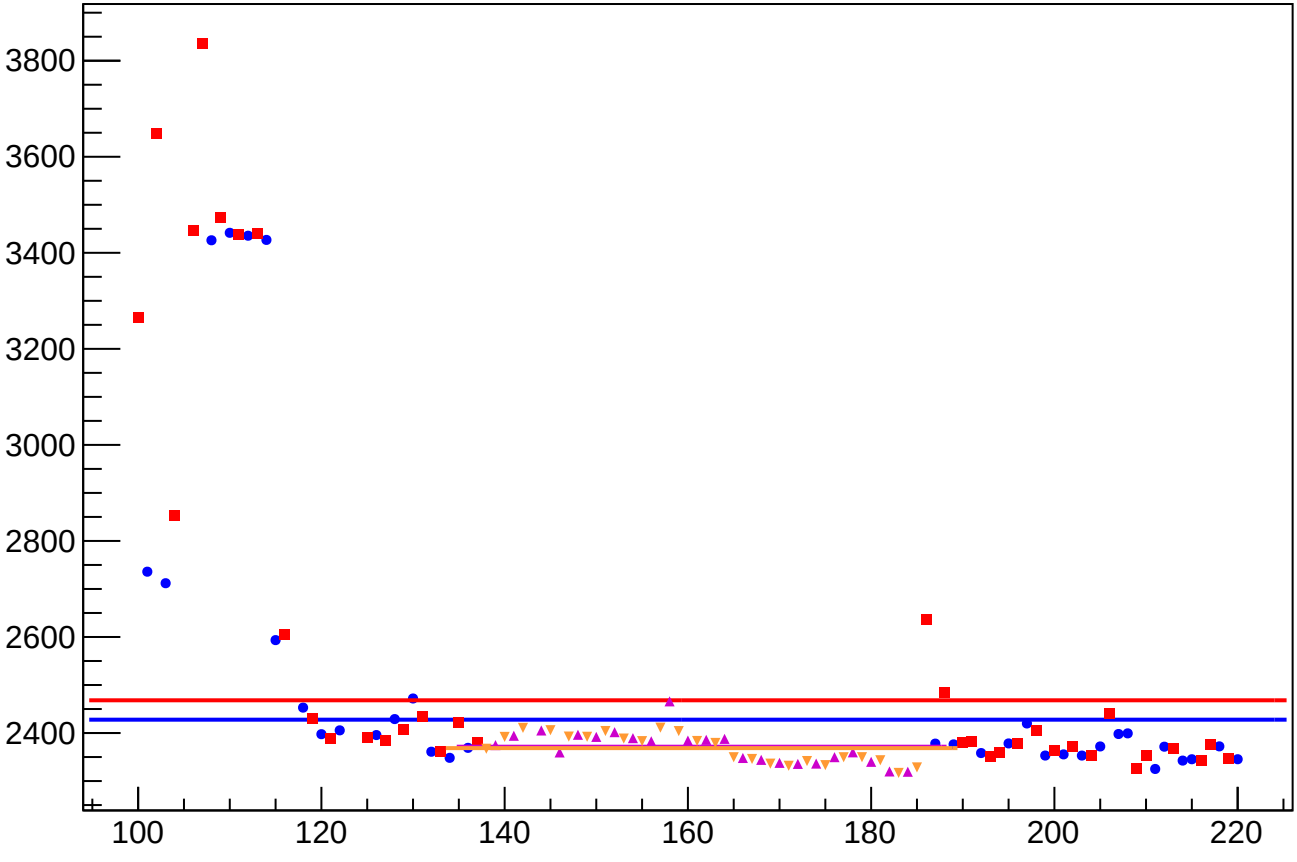
Right: 1586.771+/-377.766 χ^2/NDF: 60.9/68

In: 1827.262+/-383.164 χ^2/NDF:49.1/55

Out: 1194.094+/-384.475 χ^2/NDF:56.1/59

All: 1511.760+/-271.400 χ^2/NDF: 106.6/115

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2427.790+/-0.375 χ^2/NDF: 294184.6/32

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF: 564235.9/35

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

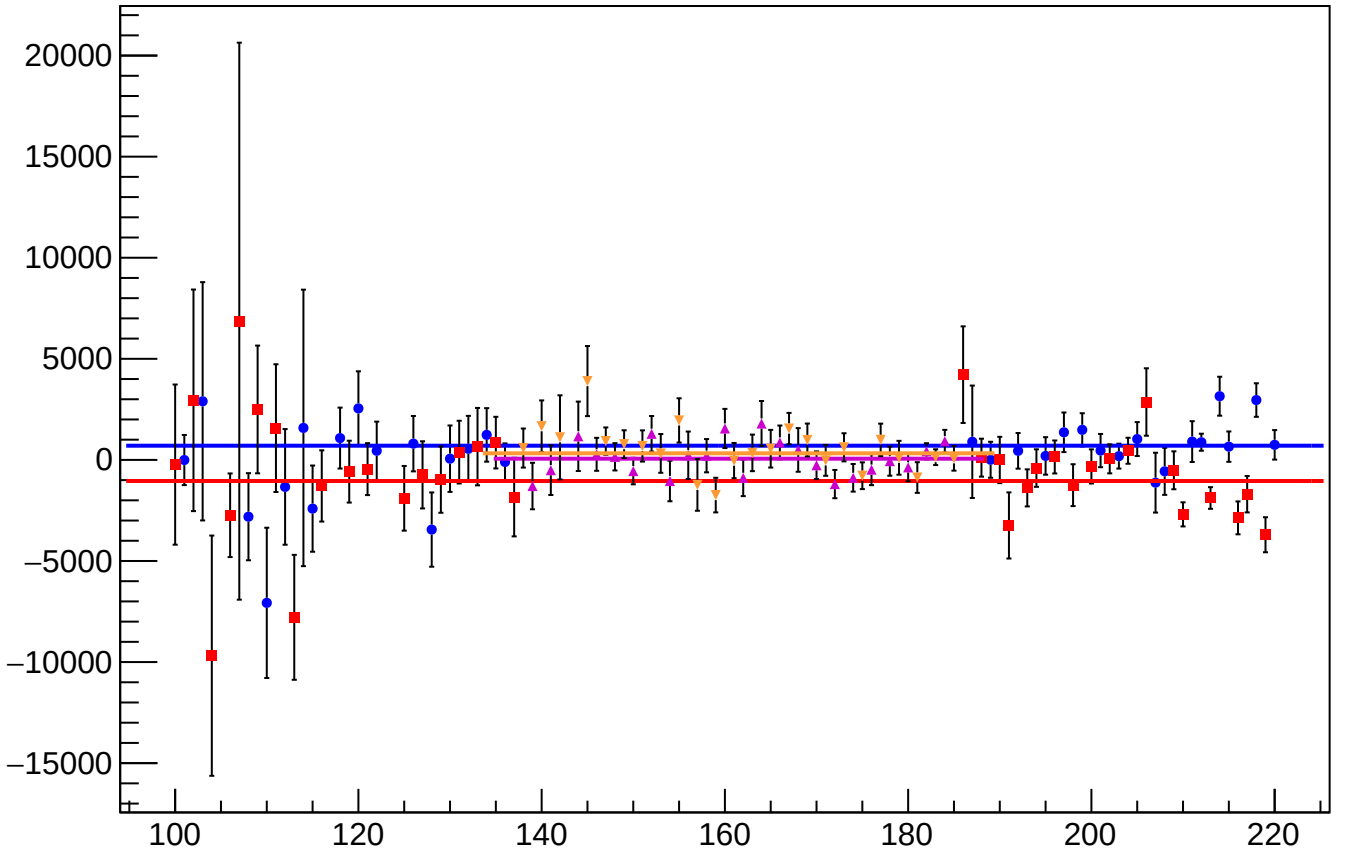
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2447.705+/-0.267 χ^2/NDF: 864128.5/68

In: 2400.848+/-0.271 χ^2/NDF:312002.8/55

Out: 2419.462+/-0.272 χ^2/NDF:603337.0/59

All: 2410.123+/-0.192 χ^2/NDF: 917691.7/115



Right In: 702.017+/-177.357 χ^2/NDF: 37.6/32

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -1043.464+/-183.893 χ^2/NDF: 66.2/35

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

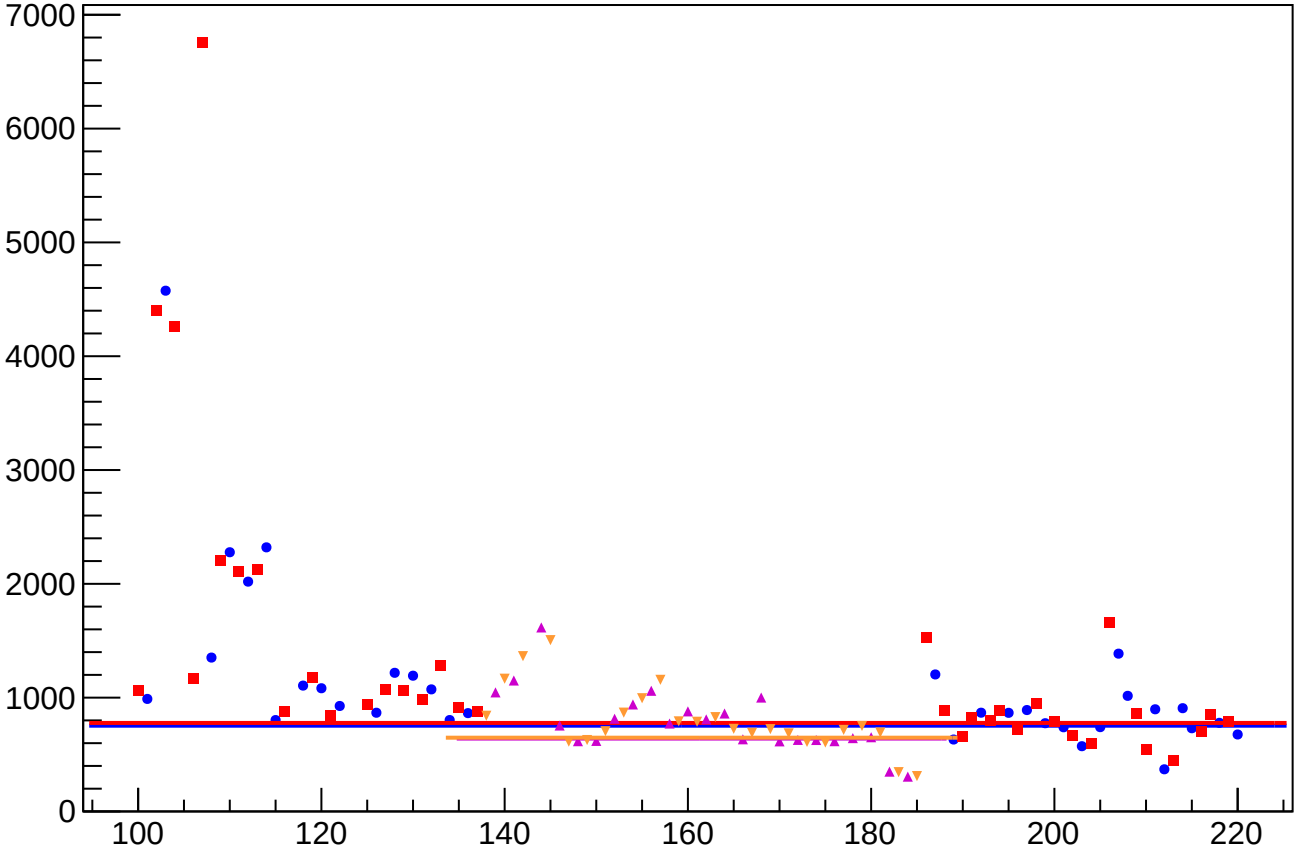
Right: -139.154+/-127.659 χ^2/NDF: 150.4/68

In: 347.195+/-118.665 χ^2/NDF:67.5/55

Out: -264.239+/-120.724 χ^2/NDF:124.5/59

All: 46.737+/-84.628 χ^2/NDF: 205.1/115

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 753.613+/-0.125 χ^2/NDF: 5105863.8/32

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 777.767+/-0.130 χ^2/NDF: 5896469.2/35

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

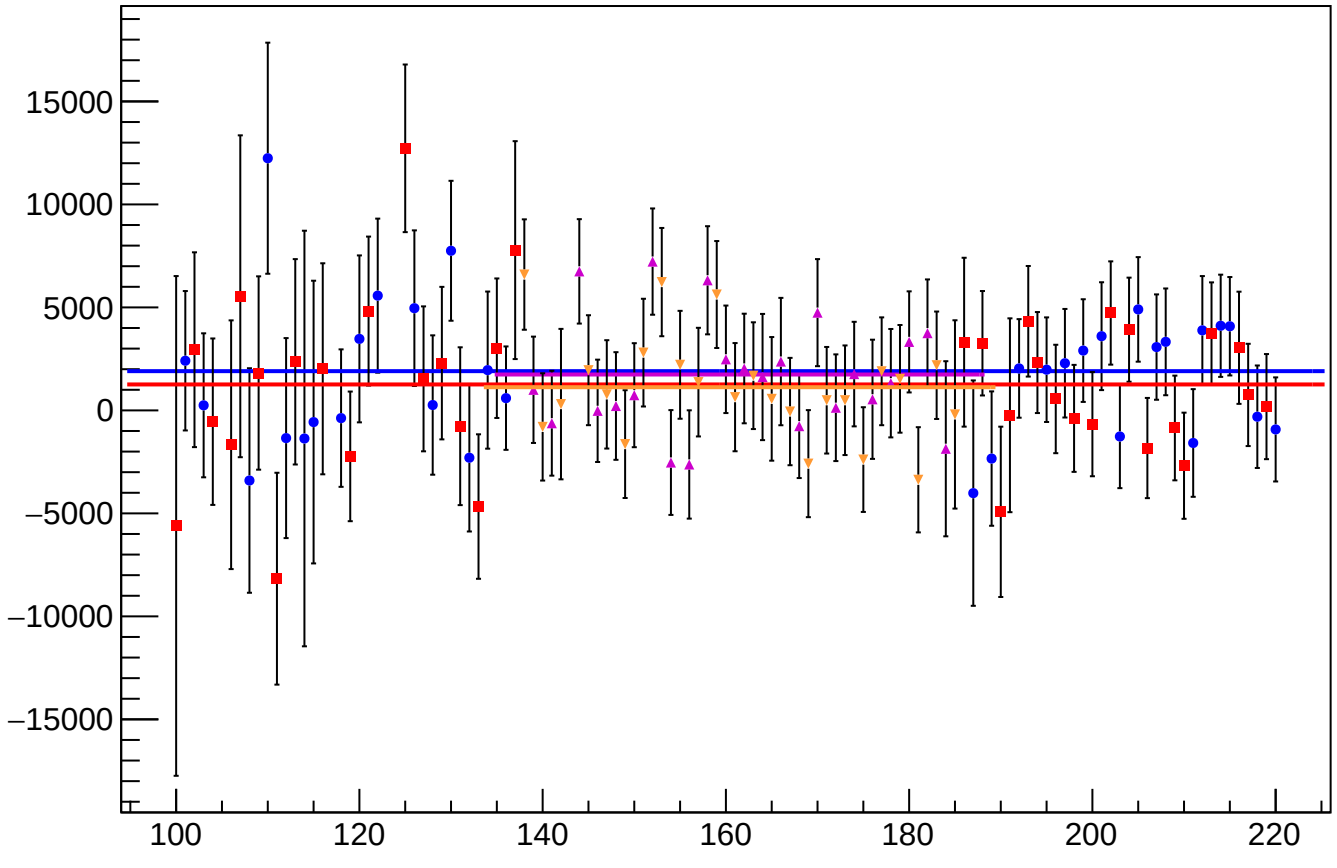
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 765.253+/-0.090 χ^2/NDF: 11020208.1/68

In: 691.093+/-0.084 χ^2/NDF:9684573.5/55

Out: 703.984+/-0.085 χ^2/NDF:10349280.3/59

All: 697.428+/-0.060 χ^2/NDF: 20045451.5/11



Right In: 1905.299+/-530.729 χ^2/NDF: 25.3/32

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1259.666+/-537.825 χ^2/NDF: 34.8/35

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

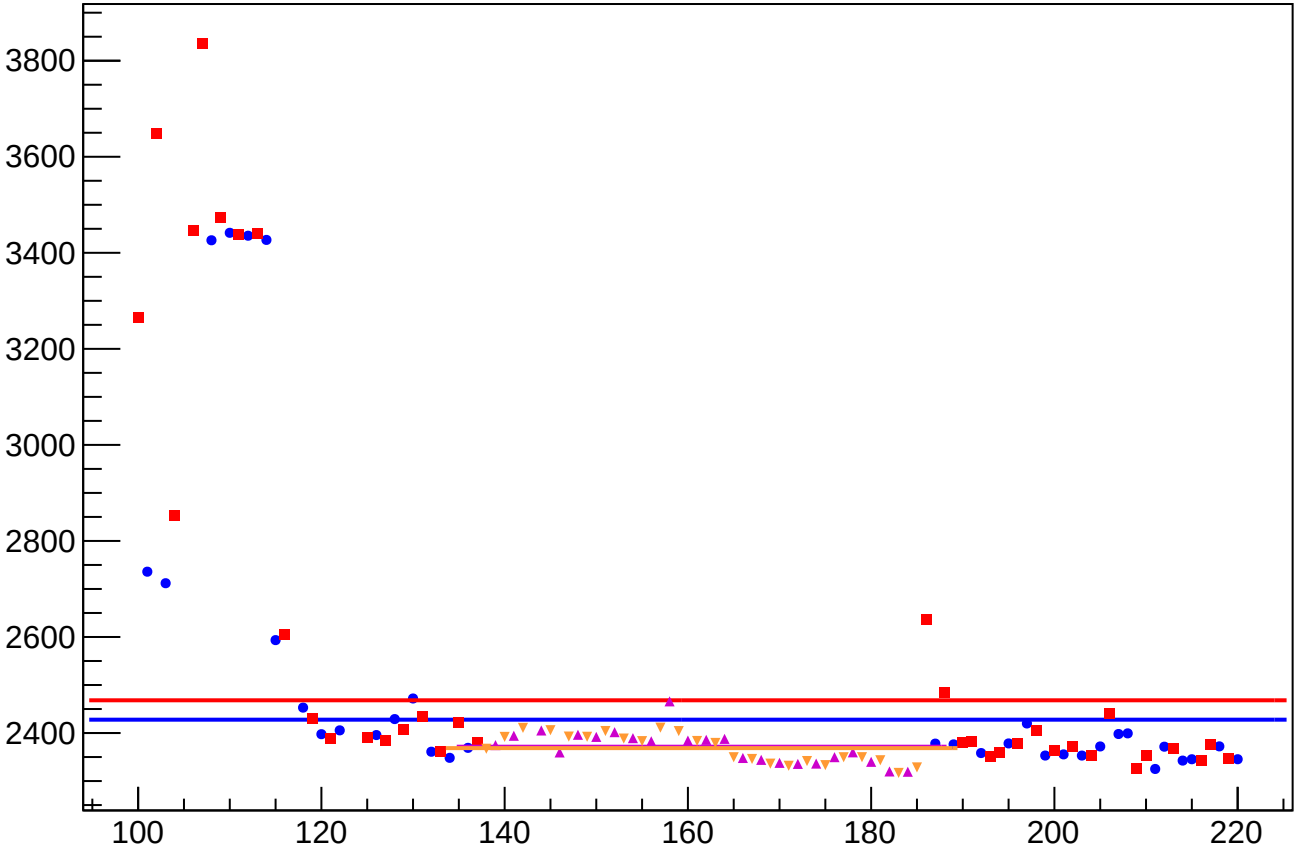
Right: 1586.769+/-377.766 χ^2/NDF: 60.9/68

In: 1827.261+/-383.164 χ^2/NDF:49.1/55

Out: 1194.094+/-384.475 χ^2/NDF:56.1/59

All: 1511.759+/-271.400 χ^2/NDF: 106.6/115

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2427.790+/-0.375 χ^2/NDF: 294184.1/32

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF: 564234.9/35

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

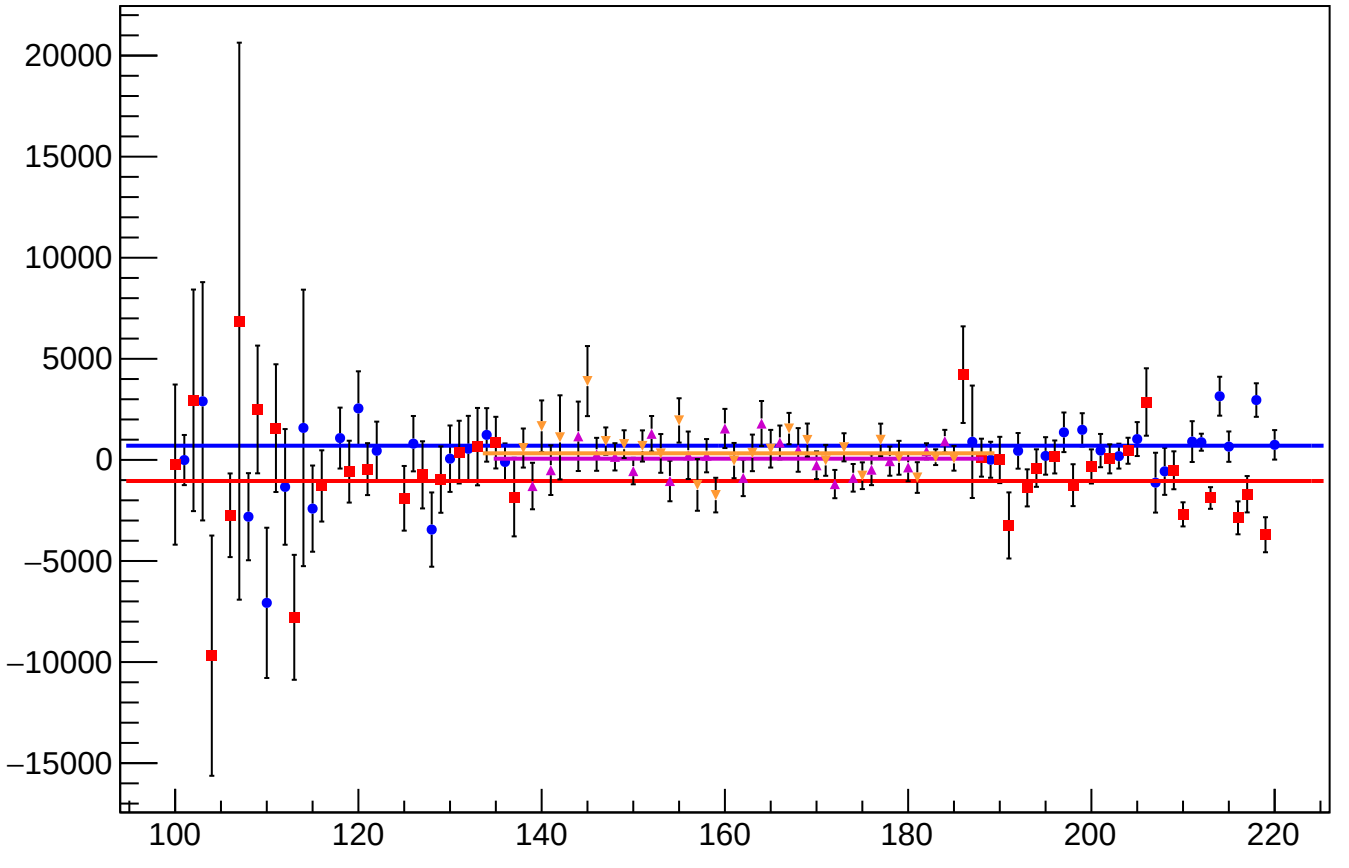
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2447.705+/-0.267 χ^2/NDF: 864127.1/68

In: 2400.848+/-0.271 χ^2/NDF:312002.3/55

Out: 2419.462+/-0.272 χ^2/NDF:603336.0/59

All: 2410.123+/-0.192 χ^2/NDF: 917690.2/115



Right In: 702.016+/-177.357 χ^2/NDF: 37.6/32

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -1043.464+/-183.893 χ^2/NDF: 66.2/35

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

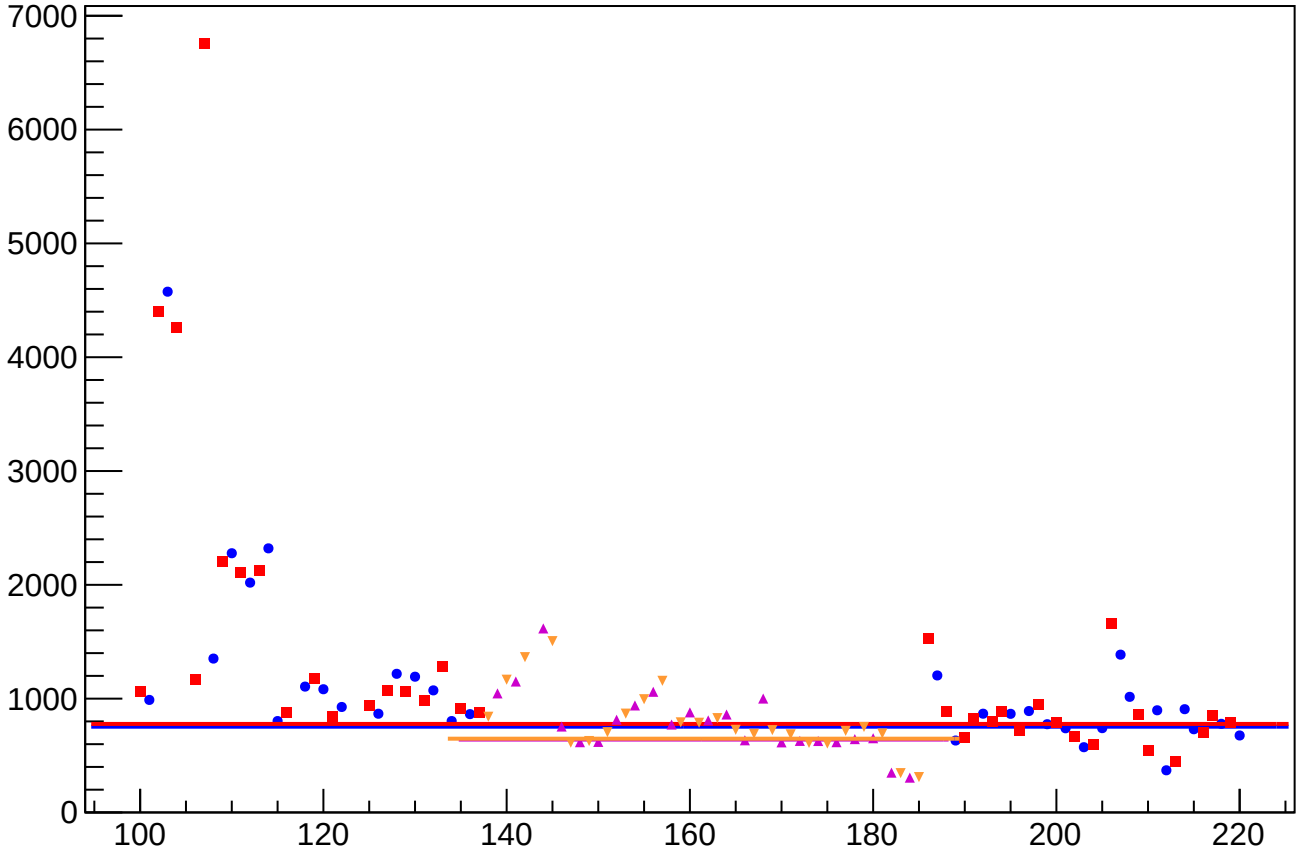
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -139.154+/-127.659 χ^2/NDF: 150.4/68

In: 347.196+/-118.665 χ^2/NDF:67.5/55

Out: -264.241+/-120.725 χ^2/NDF:124.5/59

All: 46.736+/-84.628 χ^2/NDF: 205.1/115



Right In: 753.613+/-0.125 χ^2/NDF: 5105871.5/32

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 777.766+/-0.130 χ^2/NDF: 5896478.7/35

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

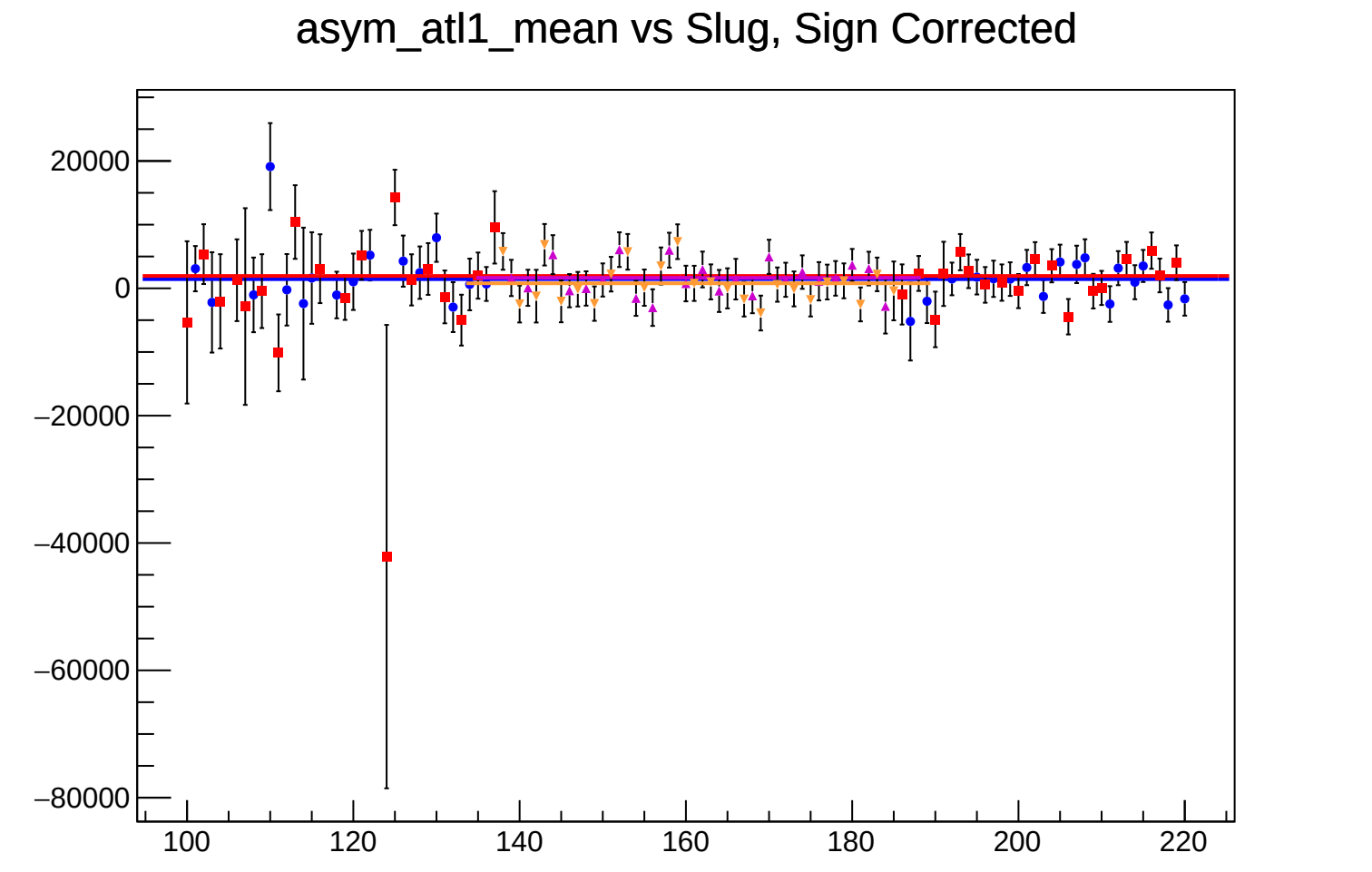
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 765.252+/-0.090 χ^2/NDF: 11020225.8/68

In: 691.094+/-0.084 χ^2/NDF:9684582.5/55

Out: 703.985+/-0.085 χ^2/NDF:10349287.5/59

All: 697.428+/-0.060 χ^2/NDF: 20045468.1/11



Right In: 1439.412+/-576.031 χ^2/NDF: 27.2/32

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1941.033+/-582.960 χ^2/NDF: 41.8/36

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

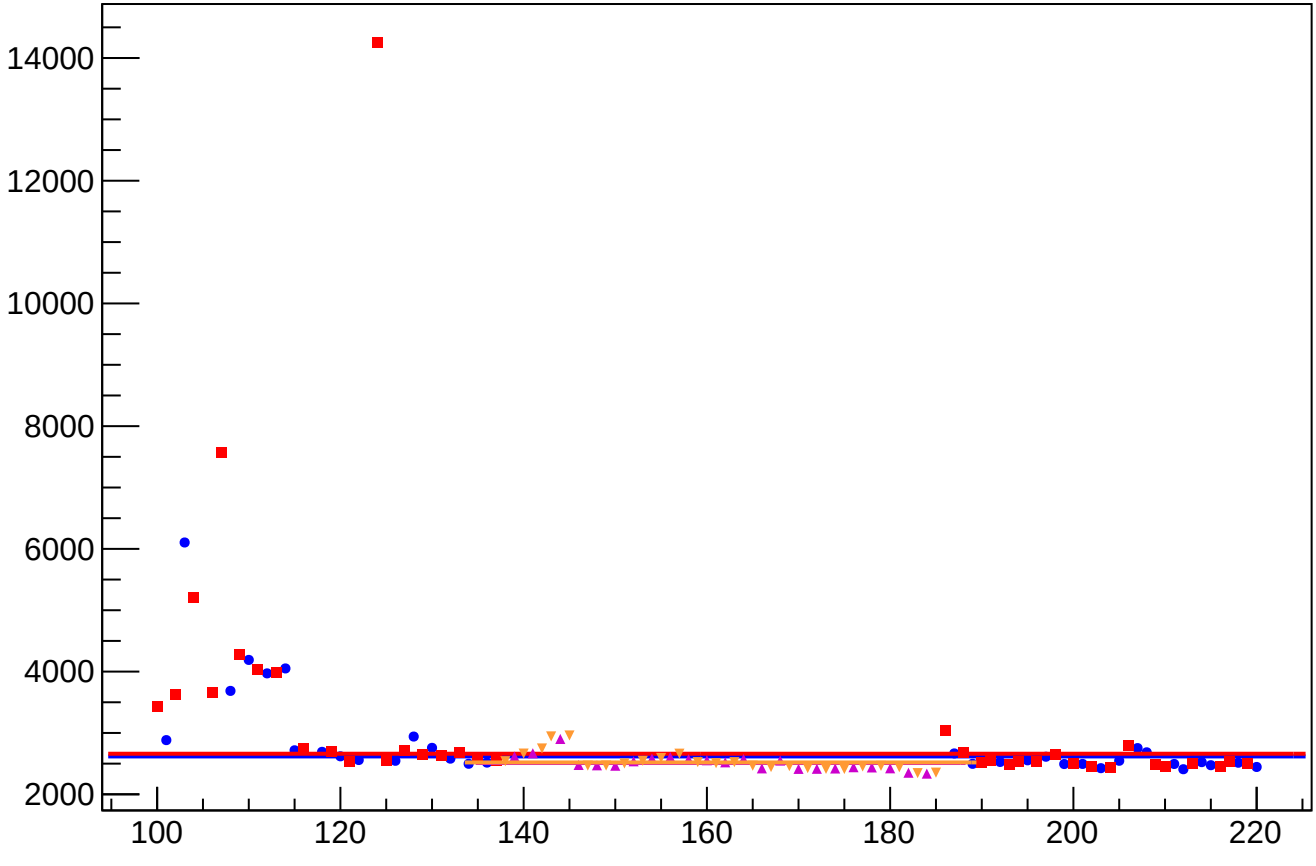
Right: 1687.224+/-409.743 χ^2/NDF: 69.4/69

In: 1545.032+/-411.059 χ^2/NDF:44.6/55

Out: 1356.598+/-408.745 χ^2/NDF:70.9/61

All: 1450.283+/-289.841 χ^2/NDF: 115.6/117

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2617.399+/-0.407 χ^2/NDF: 810827.9/32

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2661.227+/-0.412 χ^2/NDF: 1273277.2/36

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

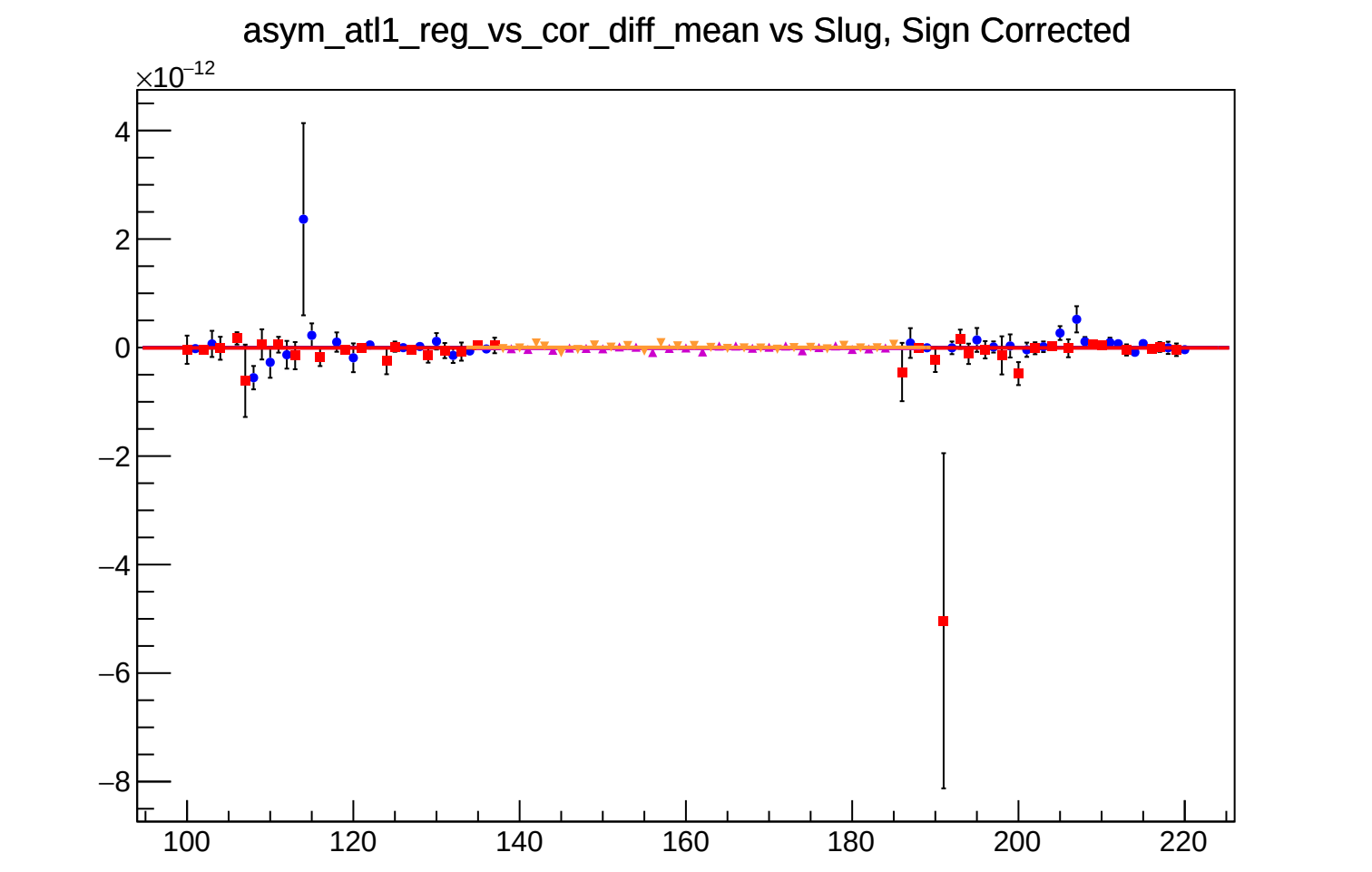
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2639.051+/-0.290 χ^2/NDF: 2089825.0/69

In: 2564.767+/-0.291 χ^2/NDF:918620.5/55

Out: 2589.183+/-0.289 χ^2/NDF:1448564.5/61

All: 2577.044+/-0.205 χ^2/NDF: 2370733.0/11



Right In: -0.000+/-0.000 χ^2/NDF: 33.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/36

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

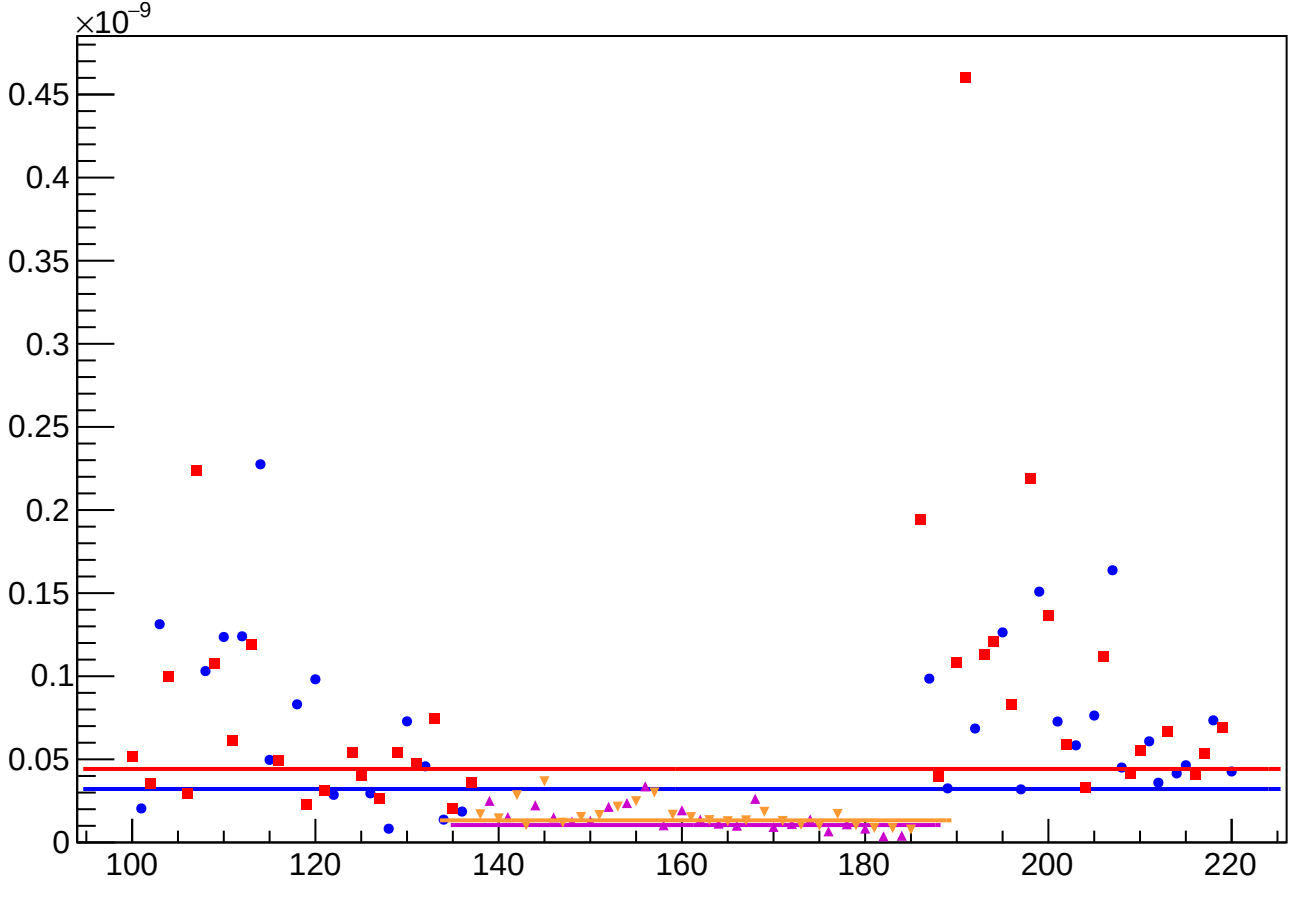
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 54.3/69

In: -0.000+/-0.000 χ^2/NDF:66.1/55

Out: 0.000+/-0.000 χ^2/NDF:50.1/61

All: -0.000+/-0.000 χ^2/NDF: 120.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 6178388.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4229208.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

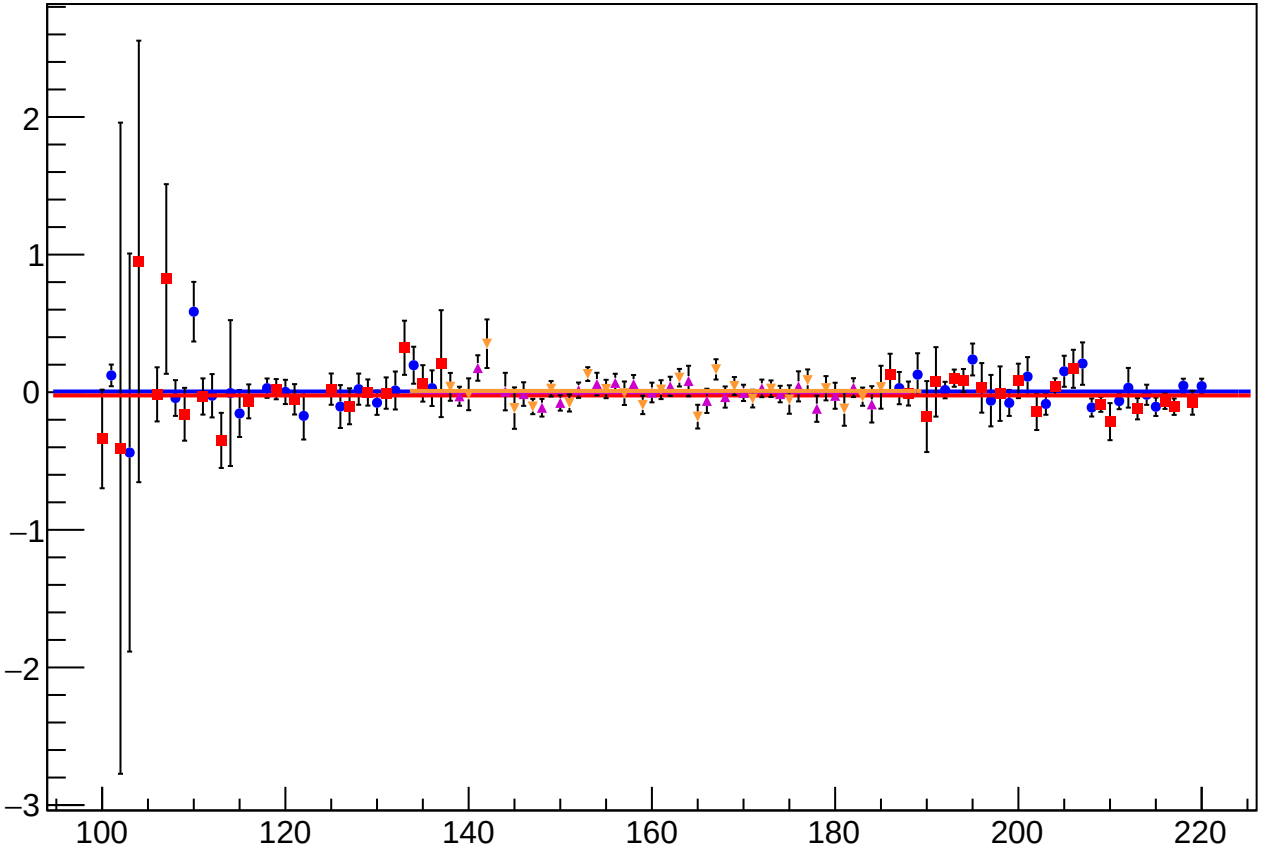
Right: 0.000+/-0.000 χ^2/NDF: 10998771.1/69

In: 0.000+/-0.000 χ^2/NDF:13398137.7/55

Out: 0.000+/-0.000 χ^2/NDF:11537768.7/61

All: 0.000+/-0.000 χ^2/NDF: 25357048.6/117

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 34.7/32

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

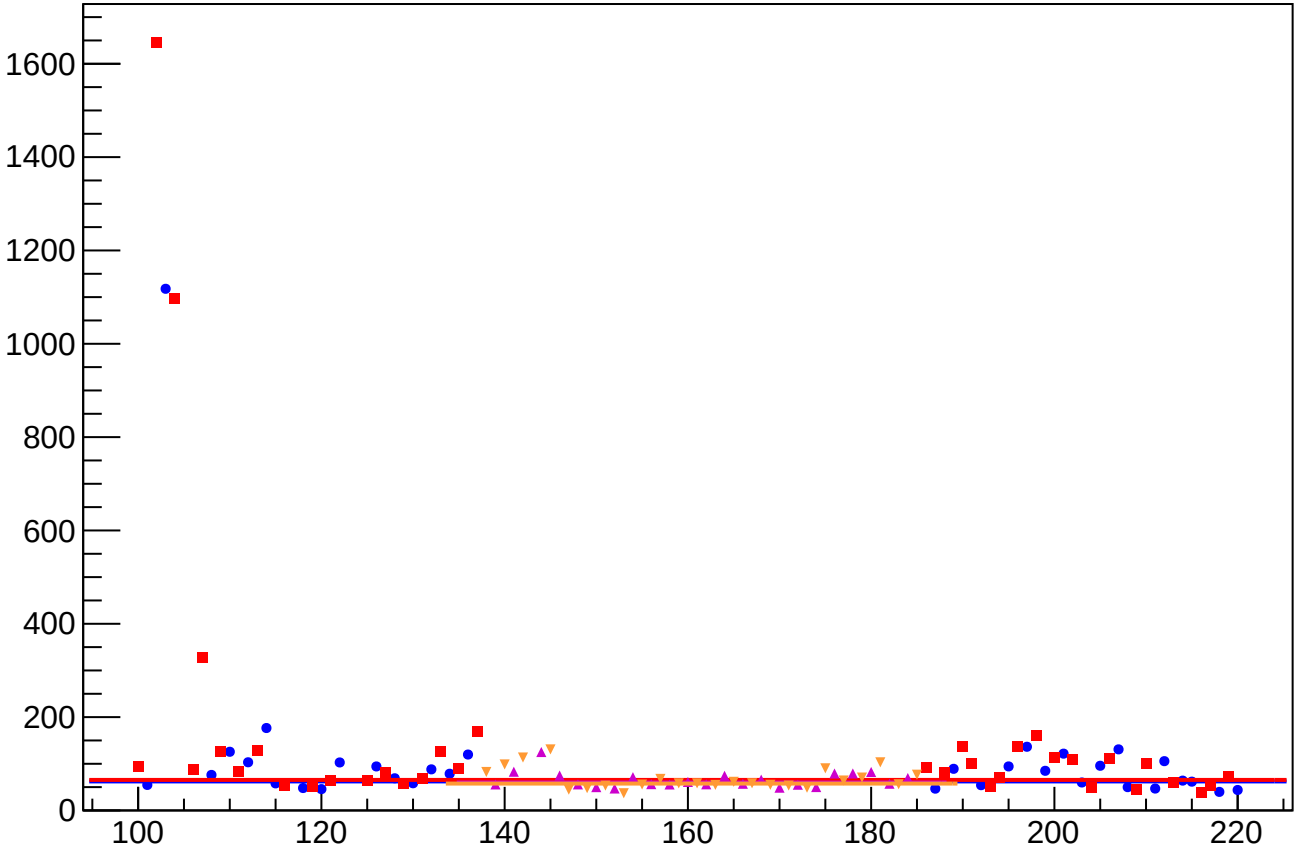
Right: -0.008+/-0.012 χ^2/NDF: 66.8/68

In: 0.002+/-0.011 χ^2/NDF:50.3/55

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.001+/-0.008 χ^2/NDF: 117.9/115

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.215+/-0.012 χ^2/NDF: 5009874.8/32

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

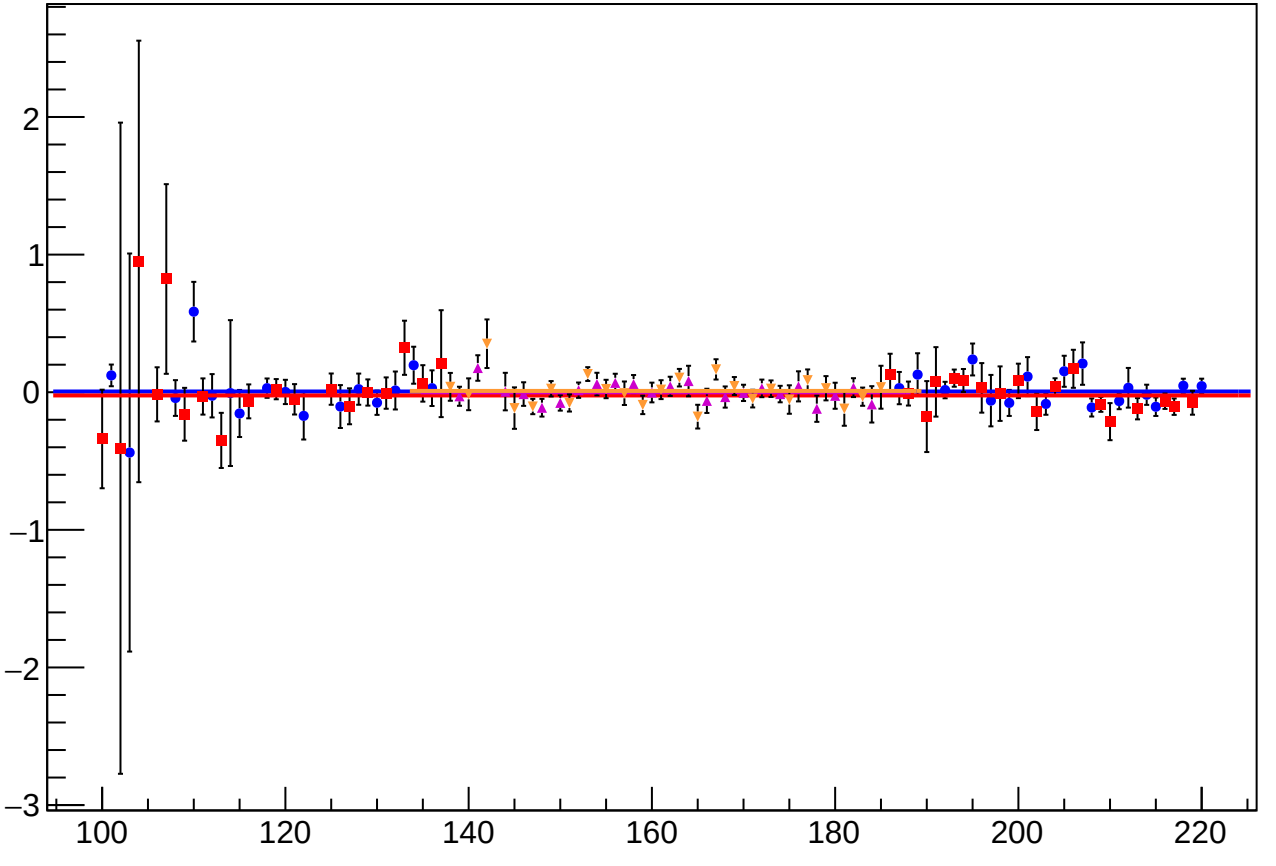
Right: 63.717+/-0.008 χ^2/NDF: 11158192.6/68

In: 60.957+/-0.008 χ^2/NDF:6373040.0/55

Out: 60.959+/-0.008 χ^2/NDF:8555157.5/59

All: 60.958+/-0.006 χ^2/NDF: 14928197.6/115

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 34.7/32

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

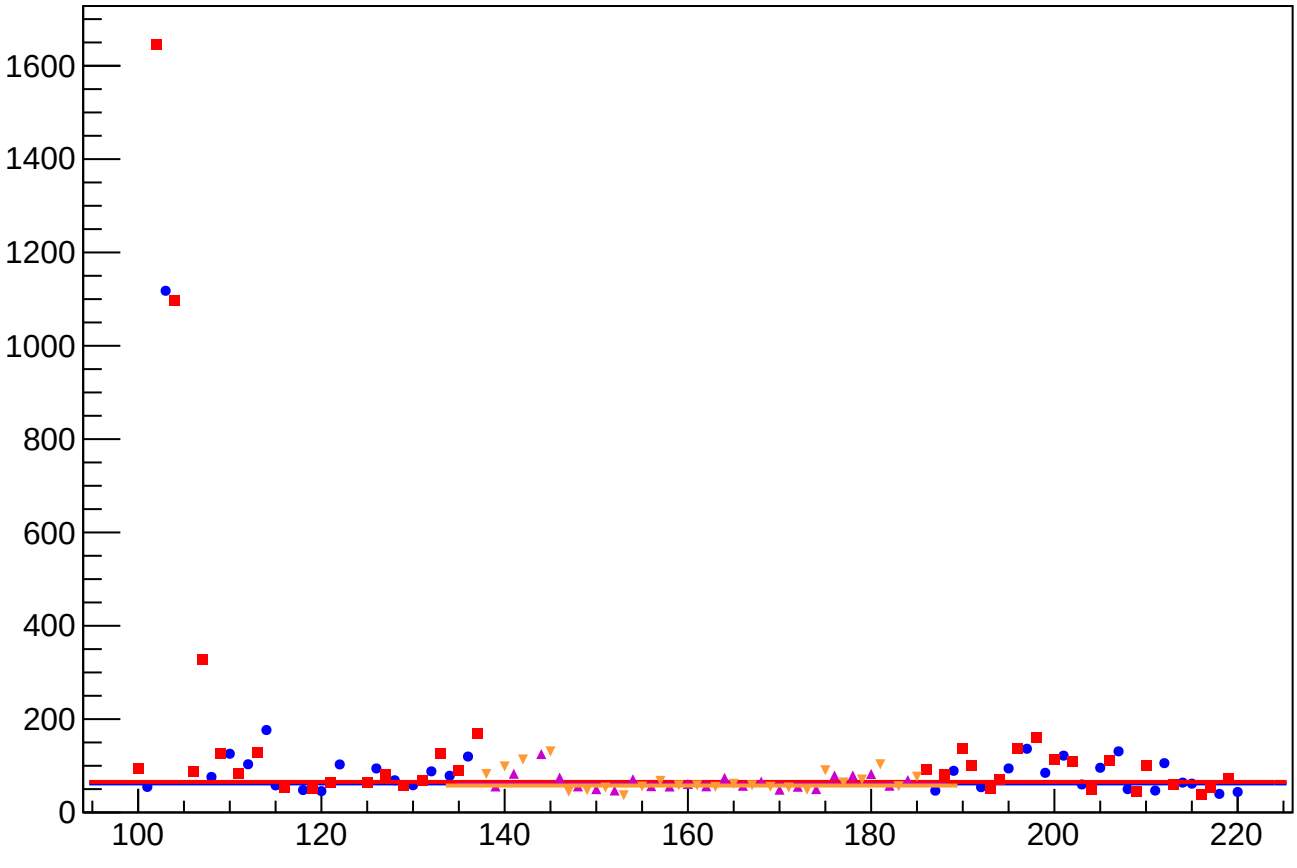
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.008+/-0.012 χ^2/NDF: 66.8/68

In: 0.002+/-0.011 χ^2/NDF:50.3/55

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.001+/-0.008 χ^2/NDF: 117.9/115



Right In: 62.215+/-0.012 χ^2/NDF: 5009874.8/32

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

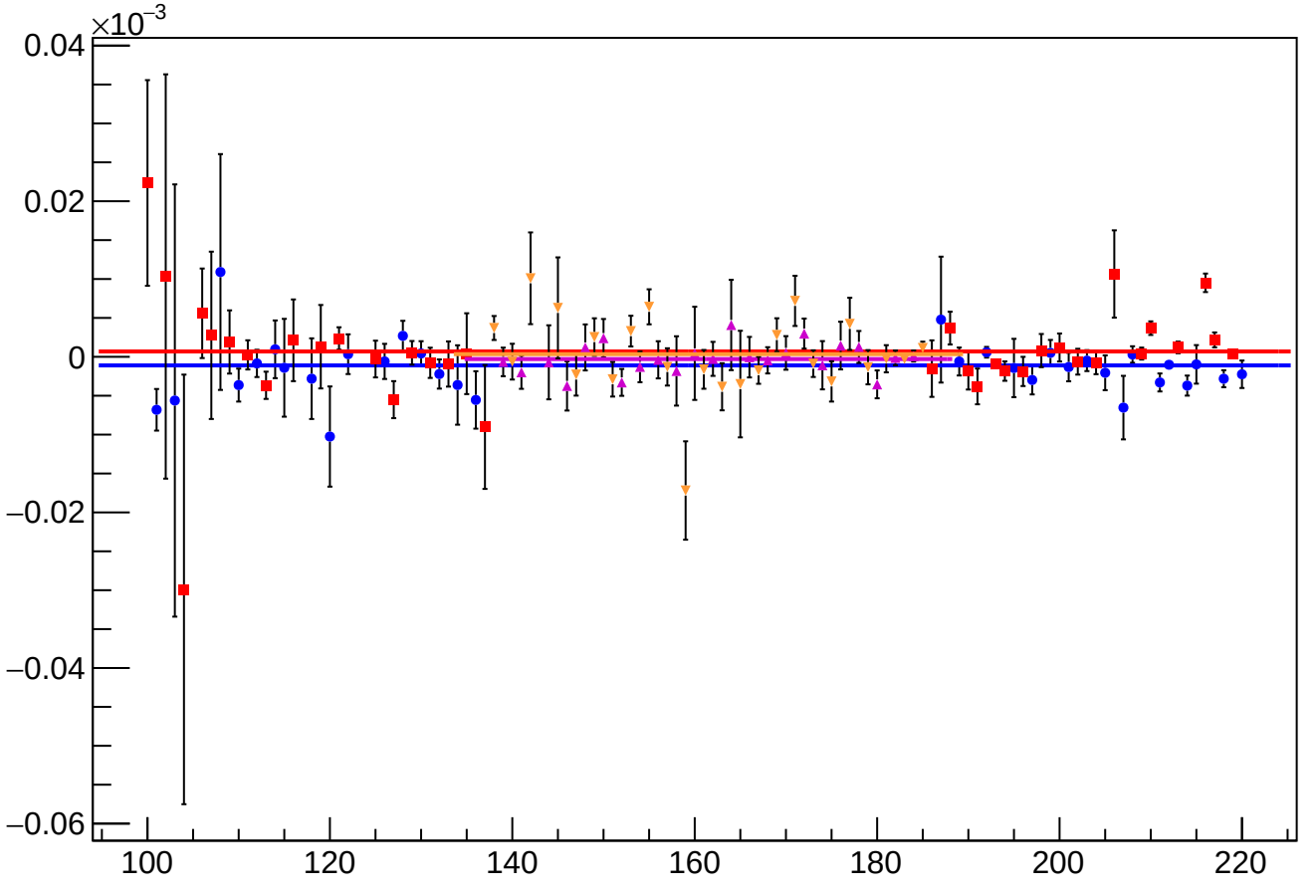
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 63.717+/-0.008 χ^2/NDF: 11158192.6/68

In: 60.957+/-0.008 χ^2/NDF:6373040.0/55

Out: 60.959+/-0.008 χ^2/NDF:8555157.5/59

All: 60.958+/-0.006 χ^2/NDF: 14928197.6/115



Right In: -0.000+/-0.000 χ^2/NDF: 39.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 117.5/35

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

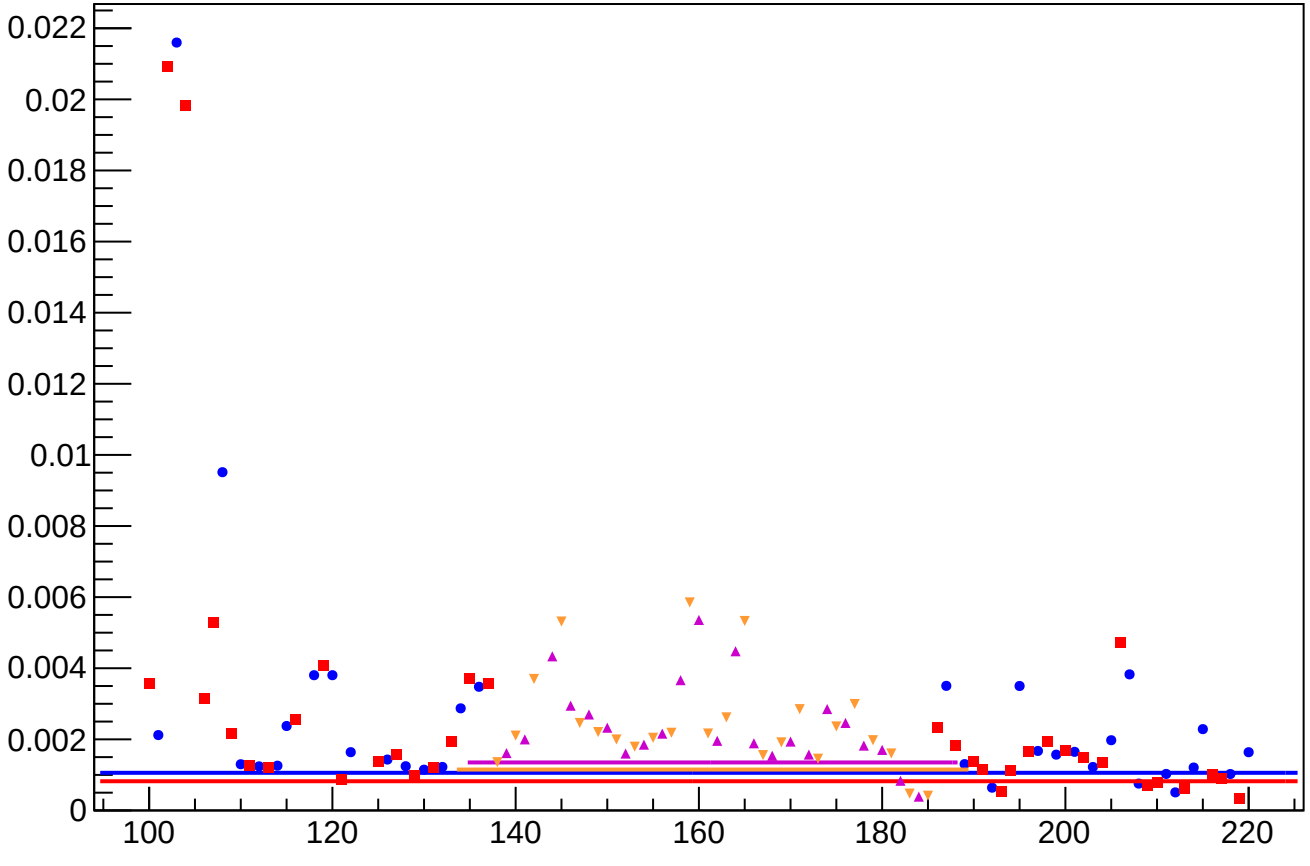
Right: -0.000+/-0.000 χ^2/NDF: 182.0/68

In: -0.000+/-0.000 χ^2/NDF:57.3/55

Out: 0.000+/-0.000 χ^2/NDF:164.9/59

All: -0.000+/-0.000 χ^2/NDF: 245.3/115

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10784897.7/32

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 12823650.6/35

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

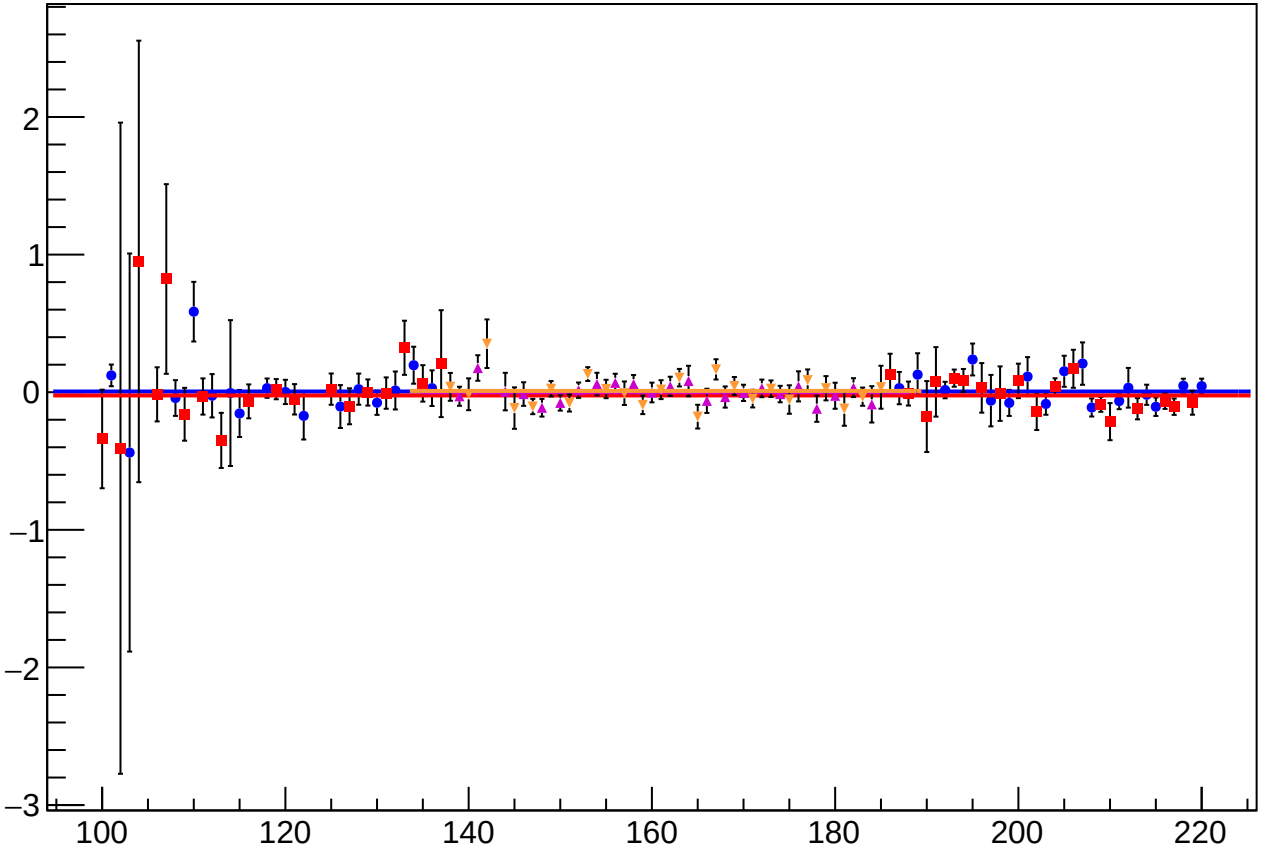
Right: 0.001+/-0.000 χ^2/NDF: 24489575.8/68

In: 0.001+/-0.000 χ^2/NDF:21792121.5/55

Out: 0.001+/-0.000 χ^2/NDF:27349429.5/59

All: 0.001+/-0.000 χ^2/NDF: 50454283.9/115

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 34.7/32

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

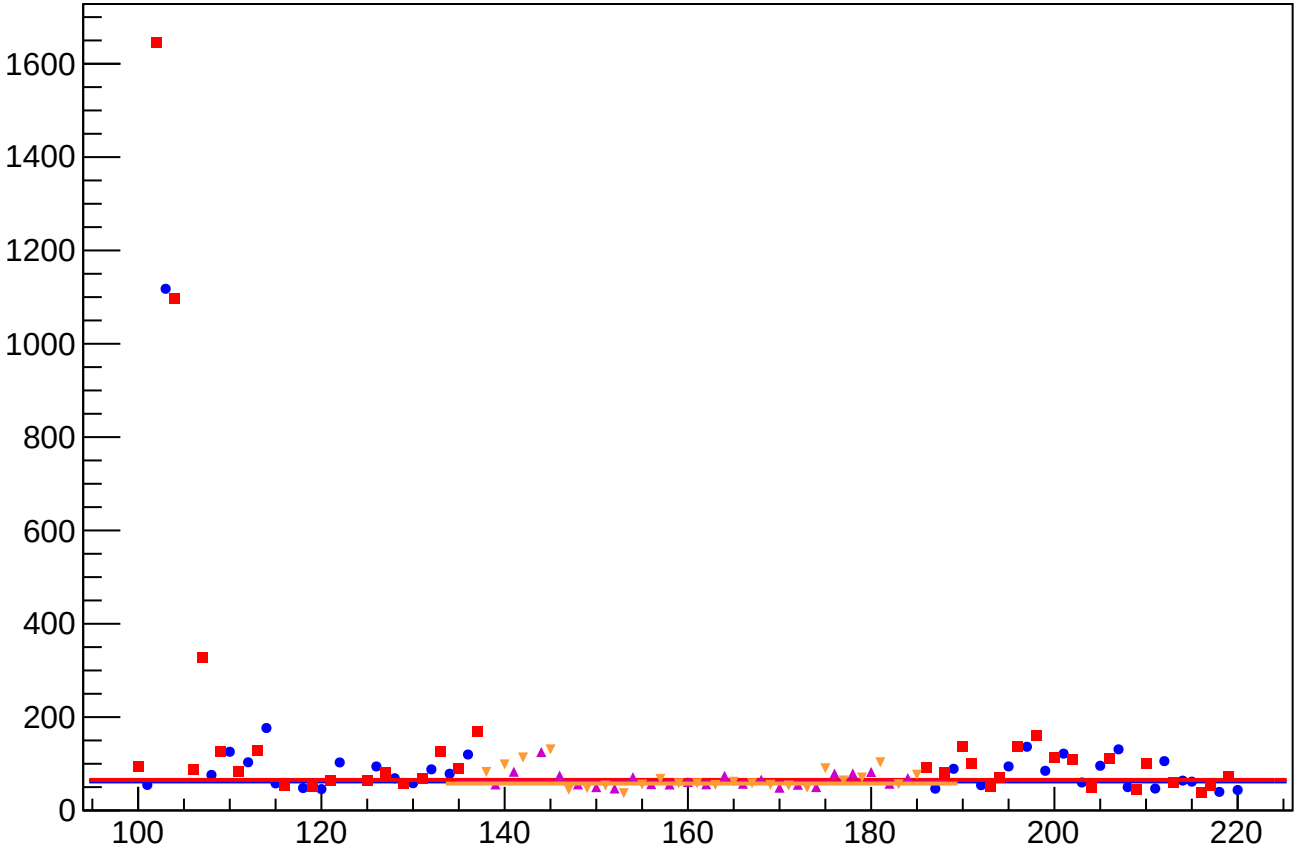
Right: -0.008+/-0.012 χ^2/NDF: 66.8/68

In: 0.002+/-0.011 χ^2/NDF:50.3/55

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.001+/-0.008 χ^2/NDF: 117.9/115

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.215+/-0.012 χ^2/NDF: 5009992.5/32

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

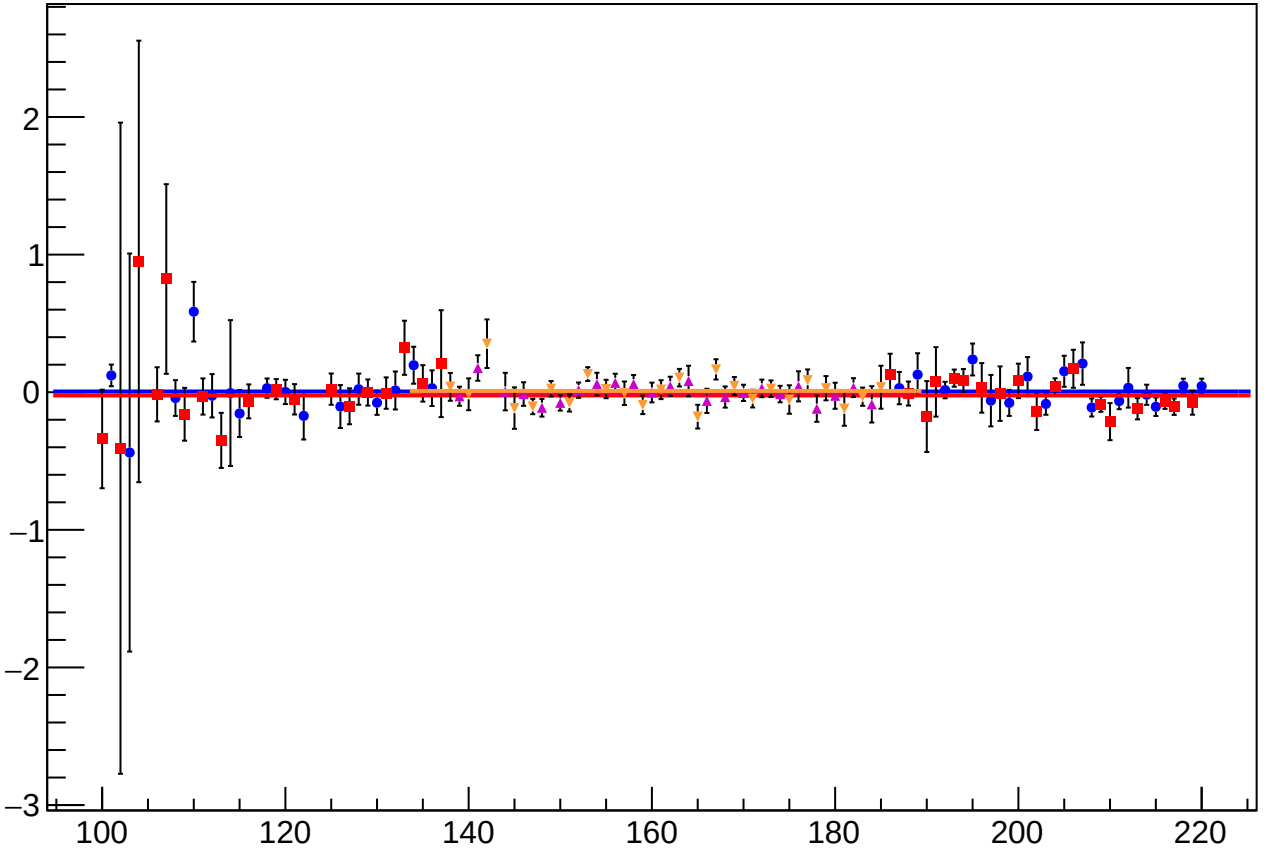
Right: 63.717+/-0.008 χ^2/NDF: 11158332.9/68

In: 60.957+/-0.008 χ^2/NDF:6373134.2/55

Out: 60.959+/-0.008 χ^2/NDF:8555248.9/59

All: 60.958+/-0.006 χ^2/NDF: 14928383.2/115

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 34.7/32

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.017 χ^2/NDF: 30.7/35

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

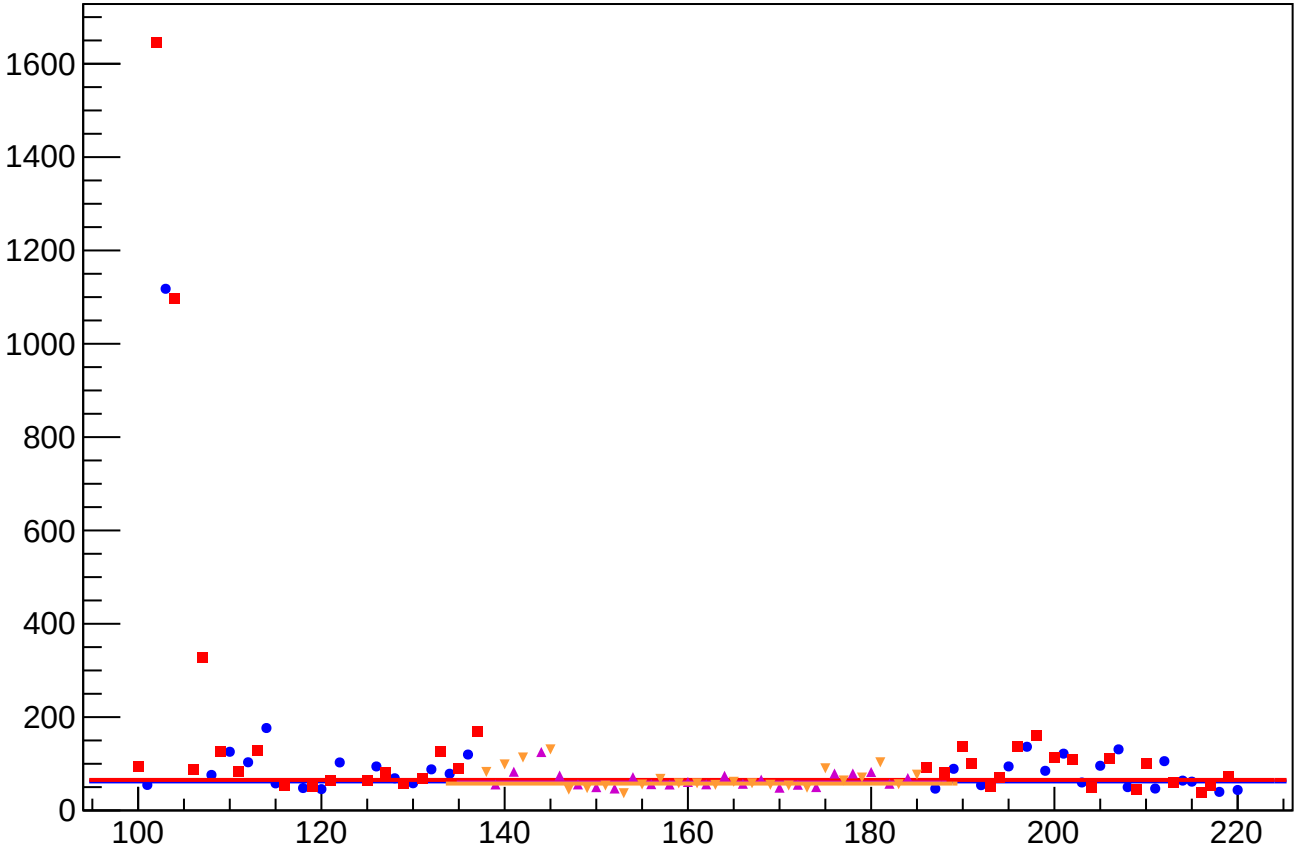
Right: -0.008+/-0.012 χ^2/NDF: 66.8/68

In: 0.002+/-0.011 χ^2/NDF:50.3/55

Out: -0.005+/-0.011 χ^2/NDF:67.4/59

All: -0.001+/-0.008 χ^2/NDF: 117.9/115

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.215+/-0.012 χ^2/NDF: 5009992.5/32

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

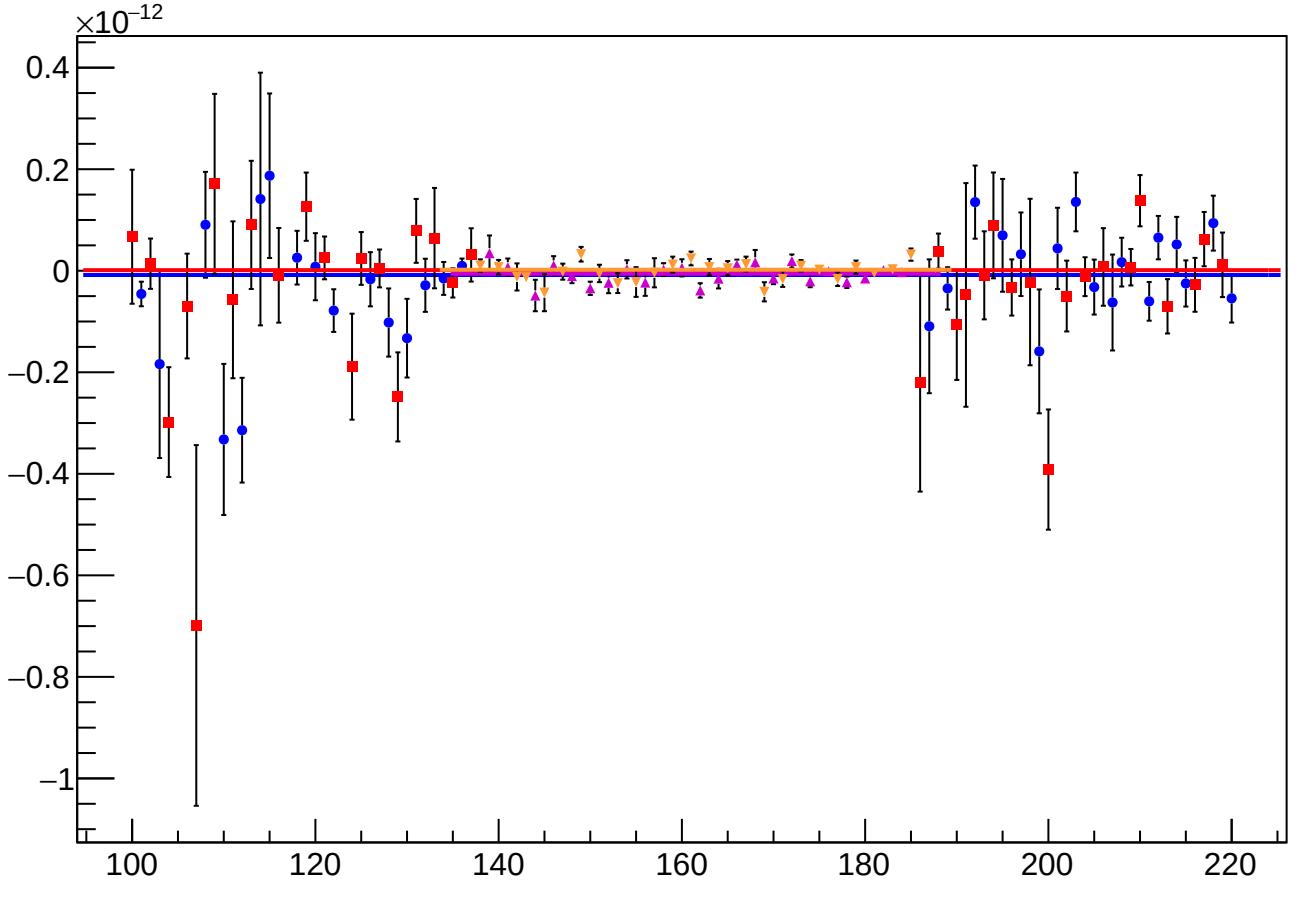
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 63.717+/-0.008 χ^2/NDF: 11158332.9/68

In: 60.957+/-0.008 χ^2/NDF:6373134.2/55

Out: 60.959+/-0.008 χ^2/NDF:8555248.9/59

All: 60.958+/-0.006 χ^2/NDF: 14928383.2/115



Right In: -0.000+/-0.000 χ^2/NDF: 54.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 59.2/36

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

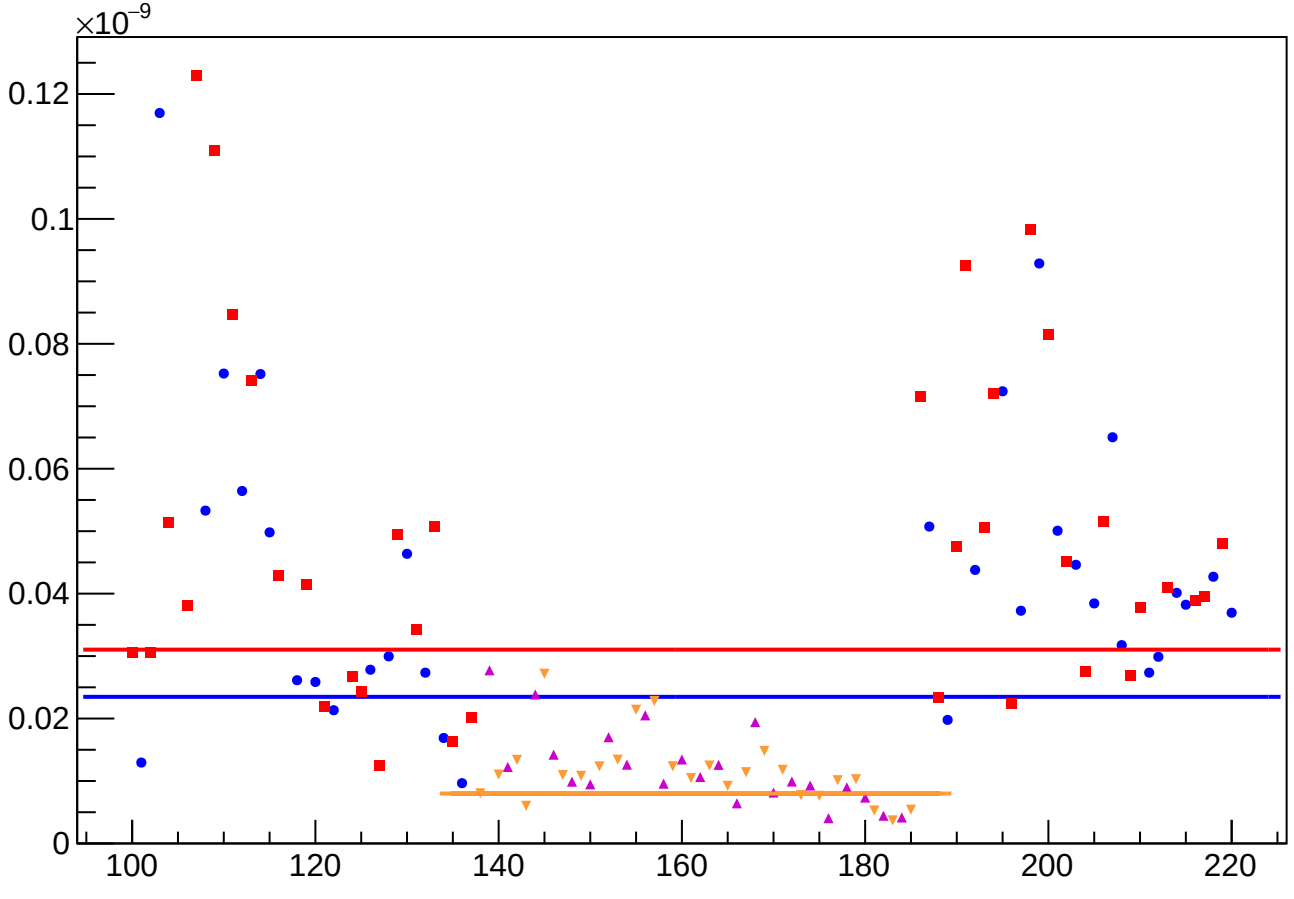
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 114.1/69

In: -0.000+/-0.000 χ^2/NDF:87.0/55

Out: 0.000+/-0.000 χ^2/NDF:91.1/61

All: -0.000+/-0.000 χ^2/NDF: 183.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 7094712.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4721831.0/36

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

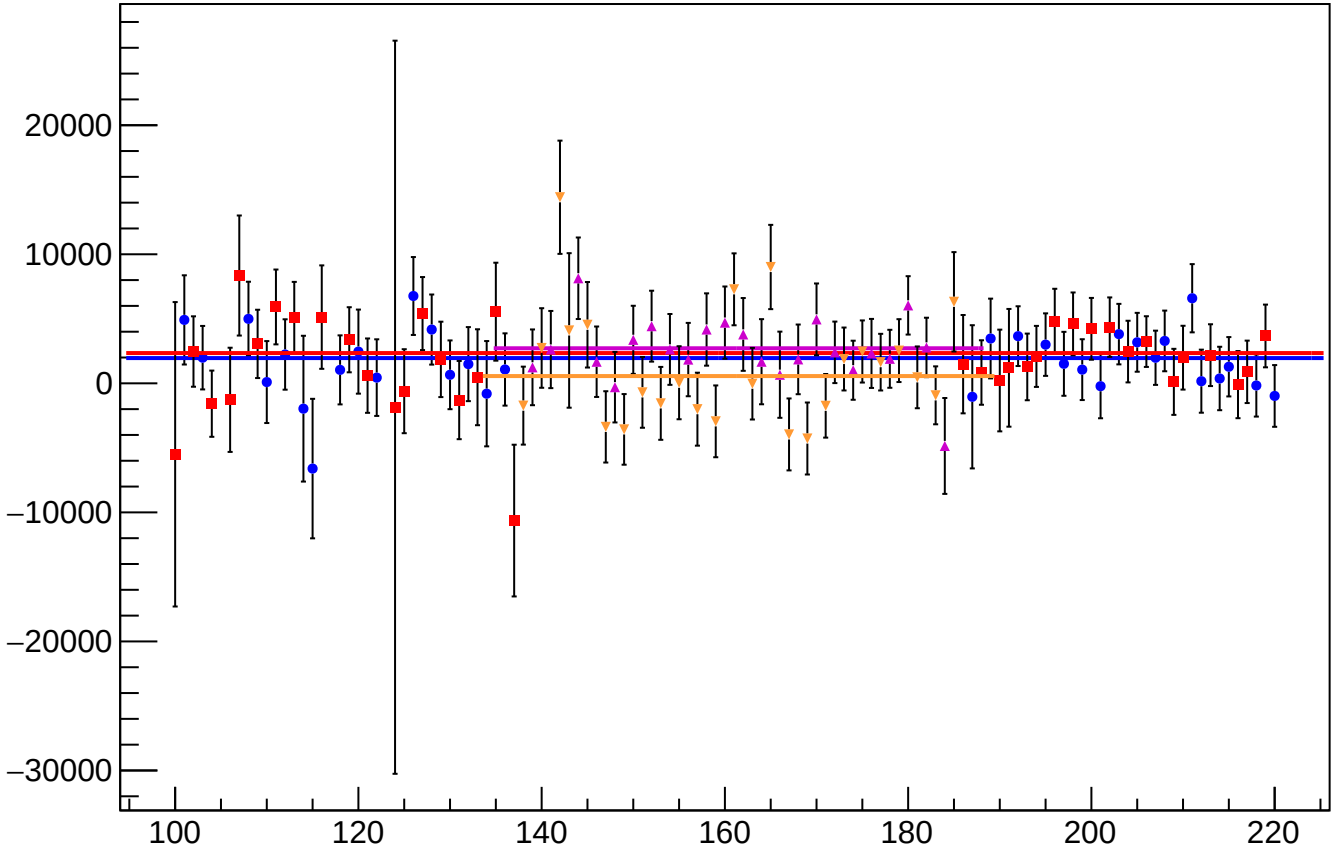
Right: 0.000+/-0.000 χ^2/NDF: 12510760.4/69

In: 0.000+/-0.000 χ^2/NDF:18970876.9/55

Out: 0.000+/-0.000 χ^2/NDF:19692363.6/61

All: 0.000+/-0.000 χ^2/NDF: 38664059.3/117

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1956.015+/-471.144 χ^2/NDF: 19.4/32

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2345.062+/-470.119 χ^2/NDF: 24.9/36

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

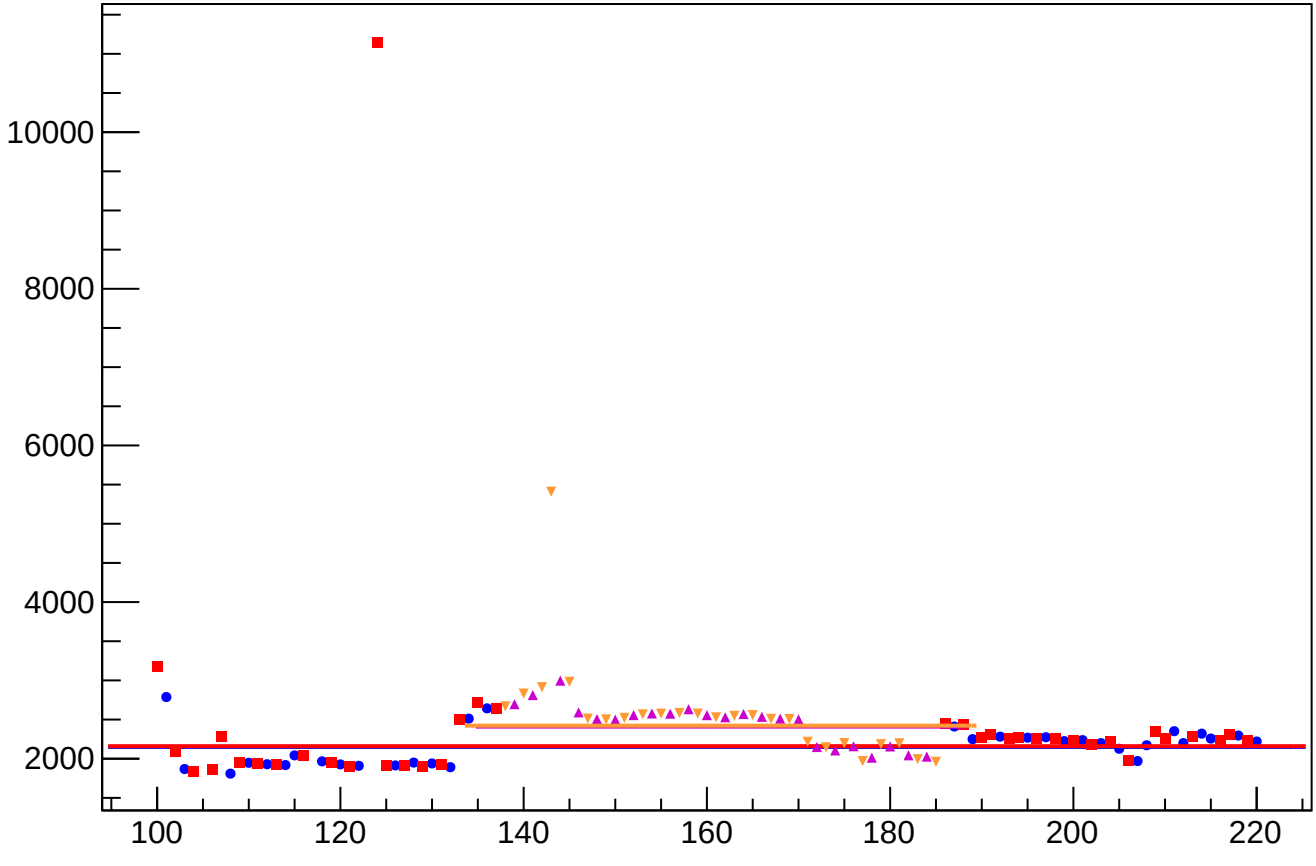
Right: 2150.962+/-332.786 χ^2/NDF: 44.7/69

In: 2267.028+/-362.160 χ^2/NDF:34.8/55

Out: 1603.938+/-359.345 χ^2/NDF:74.8/61

All: 1932.896+/-255.085 χ^2/NDF: 111.3/117

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2150.868+/-0.333 χ^2/NDF: 387490.1/32

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.912+/-0.332 χ^2/NDF: 563551.3/36

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

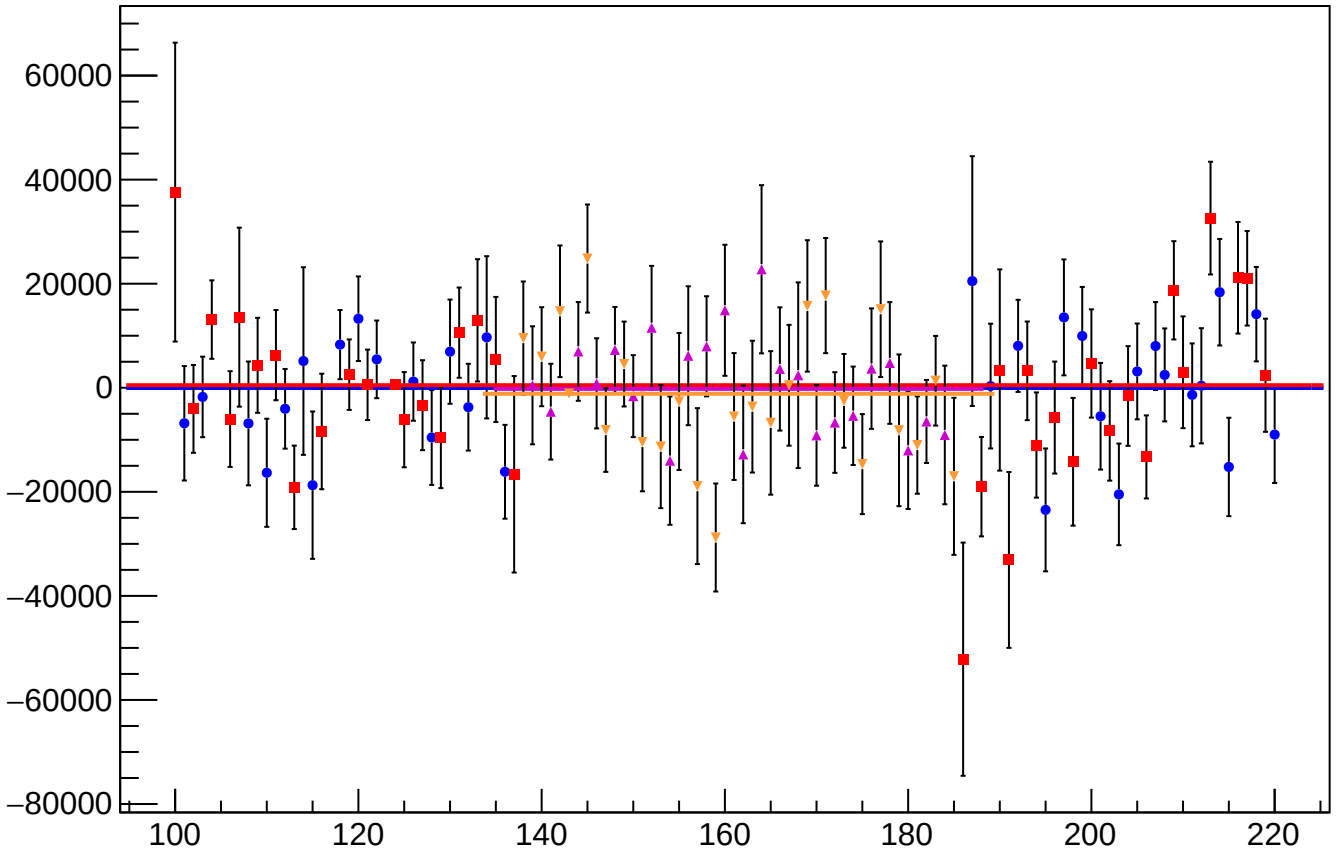
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2155.400+/-0.235 χ^2/NDF: 951410.7/69

In: 2256.812+/-0.256 χ^2/NDF:1063036.6/55

Out: 2268.935+/-0.254 χ^2/NDF:1775129.6/61

All: 2262.921+/-0.180 χ^2/NDF: 2839295.4/11



Right In: -39.620+/-1662.672 χ^2/NDF: 38.6/32

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 489.714+/-734.437 χ^2/NDF: 60.7/36

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

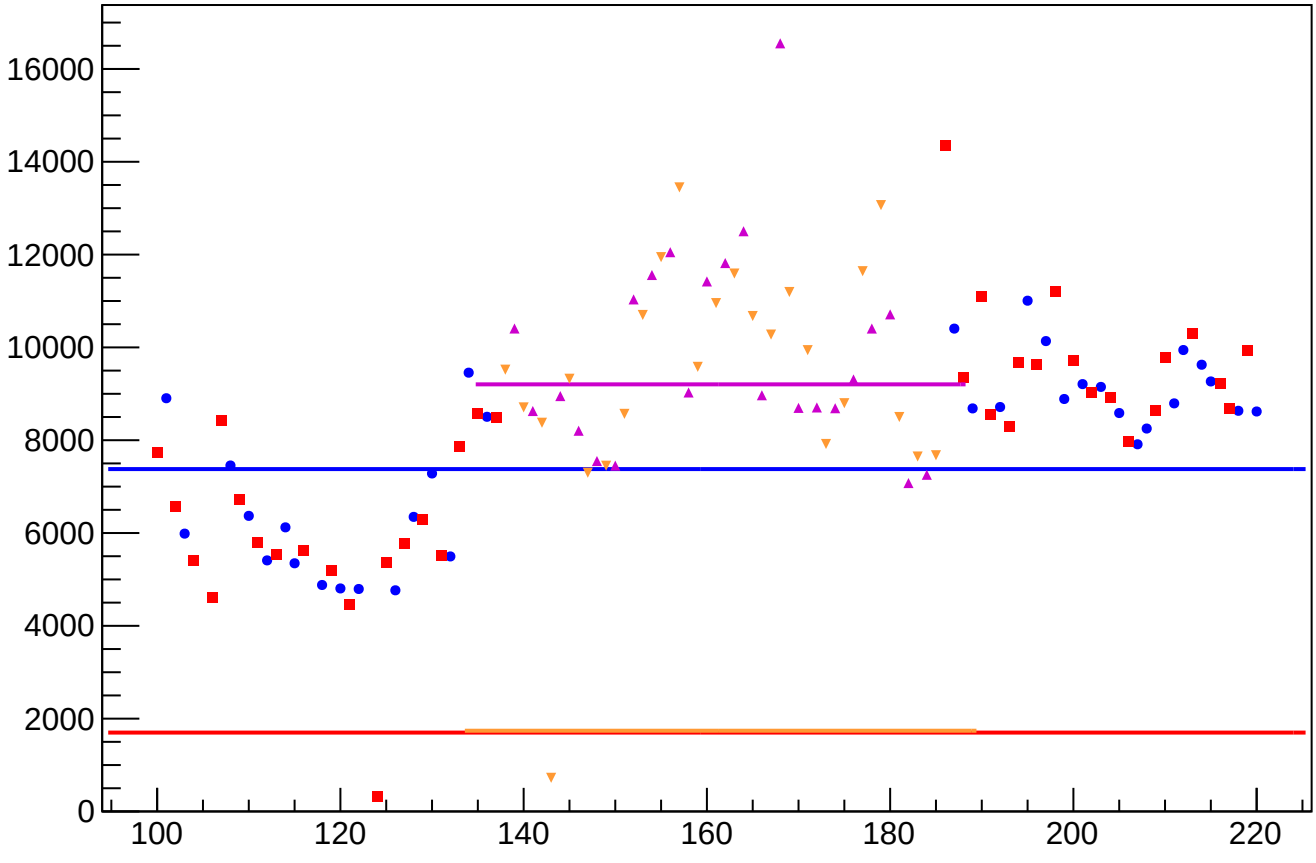
Right: 403.294+/-671.815 χ^2/NDF: 99.4/69

In: -101.610+/-1325.376 χ^2/NDF:52.0/55

Out: -308.459+/-527.391 χ^2/NDF:95.1/61

All: -280.184+/-490.021 χ^2/NDF: 147.1/117

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 7377.932+/-1.176 χ^2/NDF: 2516789.1/32

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1699.653+/-0.519 χ^2/NDF: 31899830.6/36

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

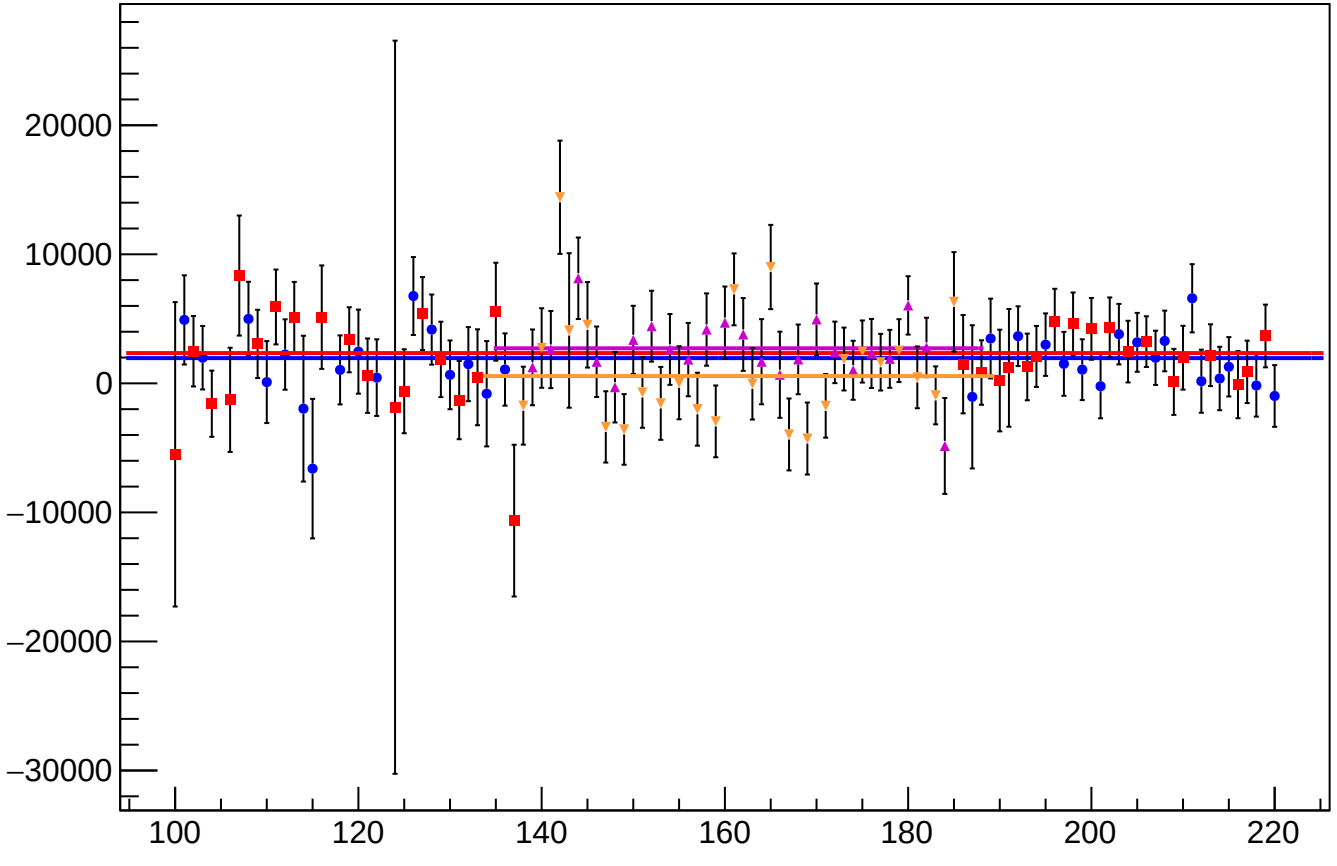
Right: 2626.701+/-0.475 χ^2/NDF: 53934816.3/69

In: 8043.581+/-0.937 χ^2/NDF:4668124.0/55

Out: 1719.046+/-0.373 χ^2/NDF:59636755.6/61

All: 2583.575+/-0.346 χ^2/NDF: 103621275.8

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1955.983+/-471.144 χ^2/NDF: 19.4/32

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2345.780+/-470.121 χ^2/NDF: 24.9/36

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

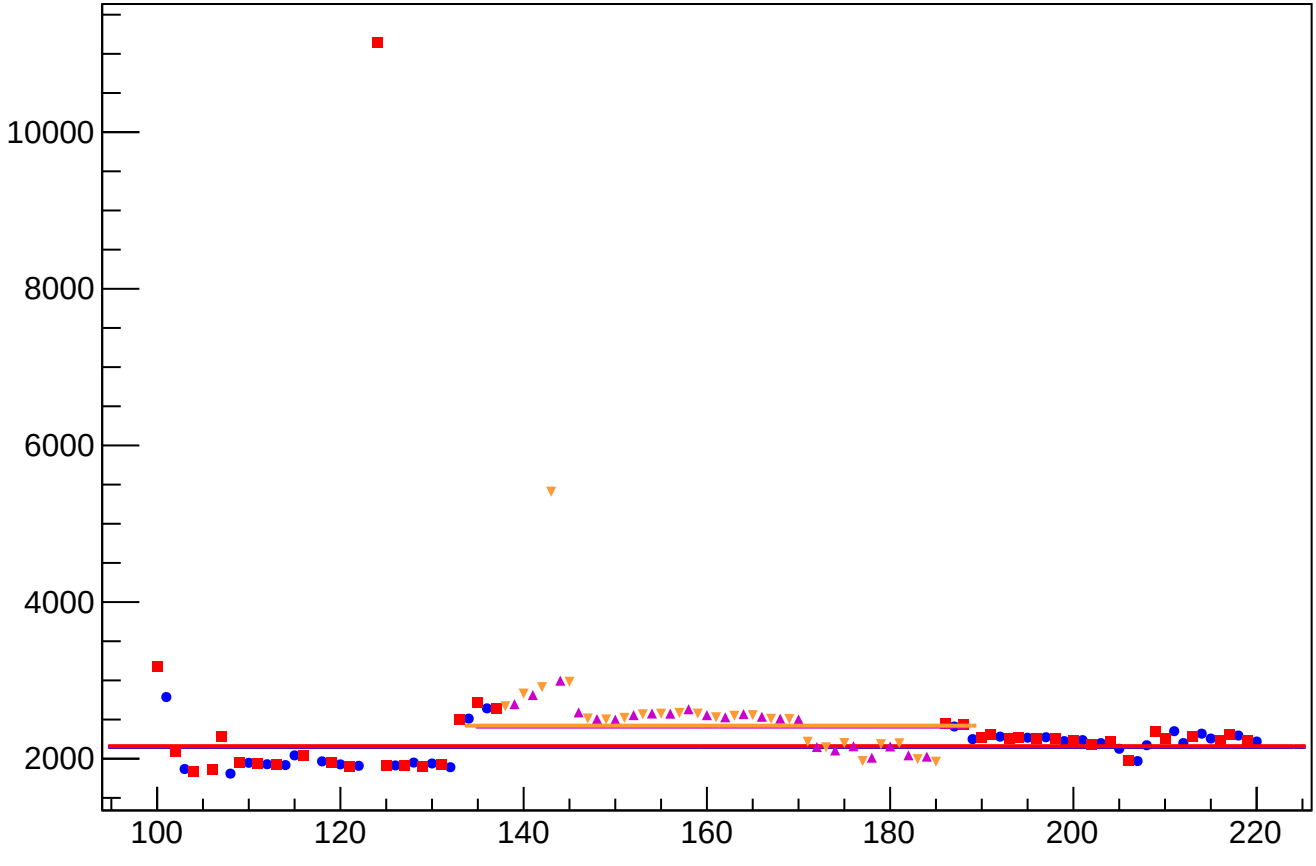
Right: 2151.305+/-332.787 χ^2/NDF: 44.7/69

In: 2266.993+/-362.160 χ^2/NDF:34.8/55

Out: 1604.355+/-359.346 χ^2/NDF:74.8/61

All: 1933.089+/-255.085 χ^2/NDF: 111.3/117

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2150.868+/-0.333 χ^2/NDF: 387490.0/32

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

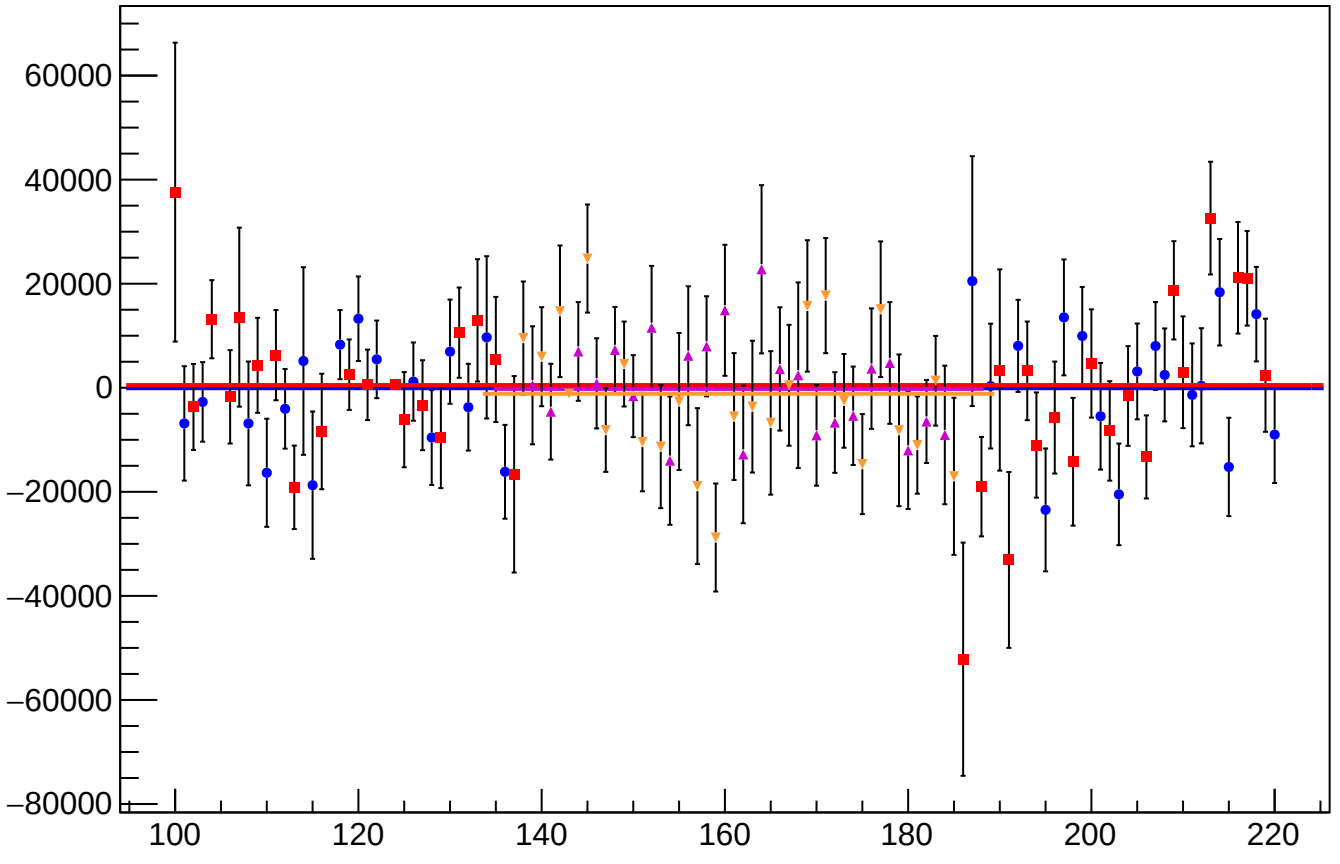
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2155.405+/-0.235 χ^2/NDF: 951400.9/69

In: 2256.812+/-0.256 χ^2/NDF:1063036.7/55

Out: 2268.941+/-0.254 χ^2/NDF:1775099.7/61

All: 2262.924+/-0.180 χ^2/NDF: 2839266.8/11



Right In: -87.272+/-1661.757 χ^2/NDF: 38.7/32

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 520.168+/-734.141 χ^2/NDF: 60.3/36

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

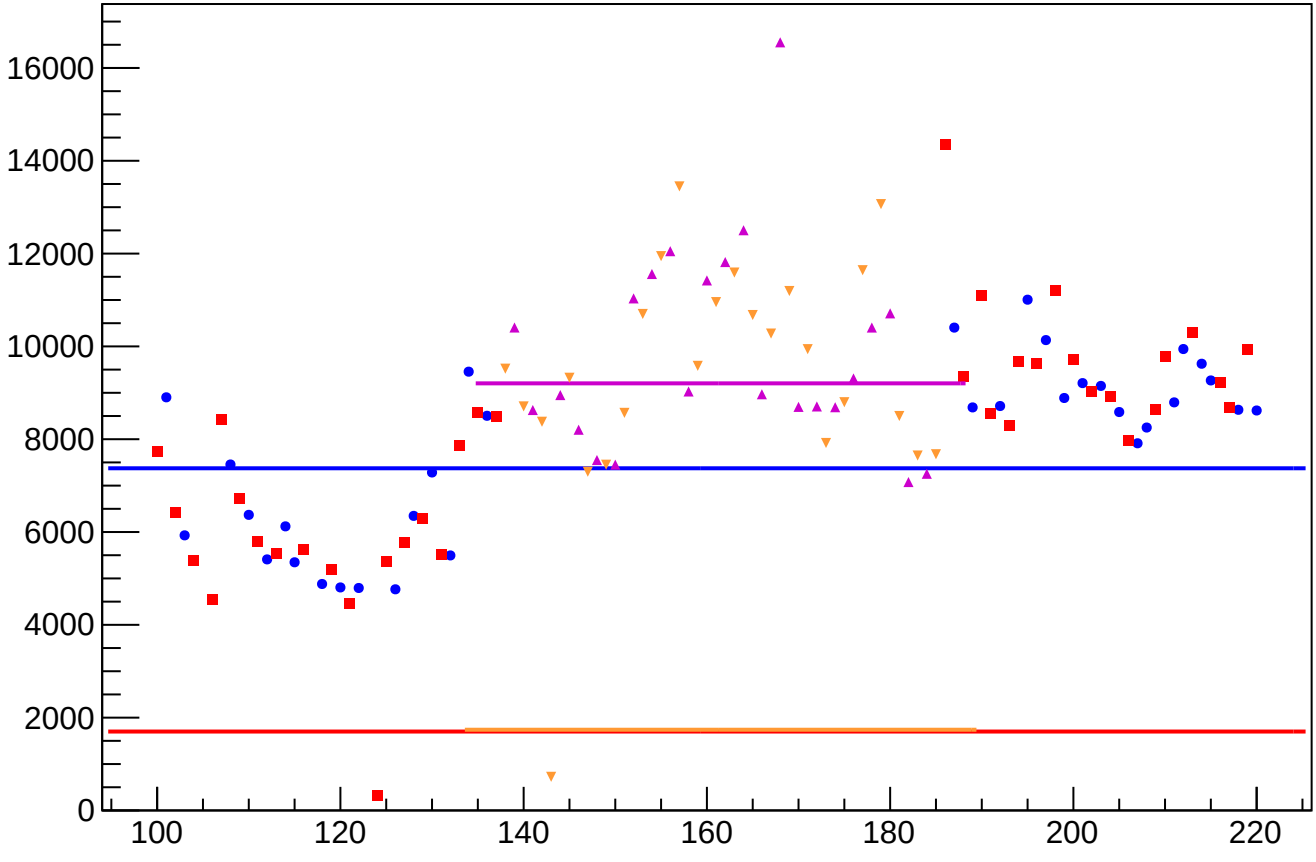
Right: 420.971+/-671.527 χ^2/NDF: 99.1/69

In: -131.802+/-1324.911 χ^2/NDF:52.1/55

Out: -292.373+/-527.259 χ^2/NDF:94.8/61

All: -270.420+/-489.892 χ^2/NDF: 146.9/117

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 7373.619+/-1.175 χ^2/NDF: 2523899.9/32

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1700.654+/-0.519 χ^2/NDF: 31889133.3/36

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

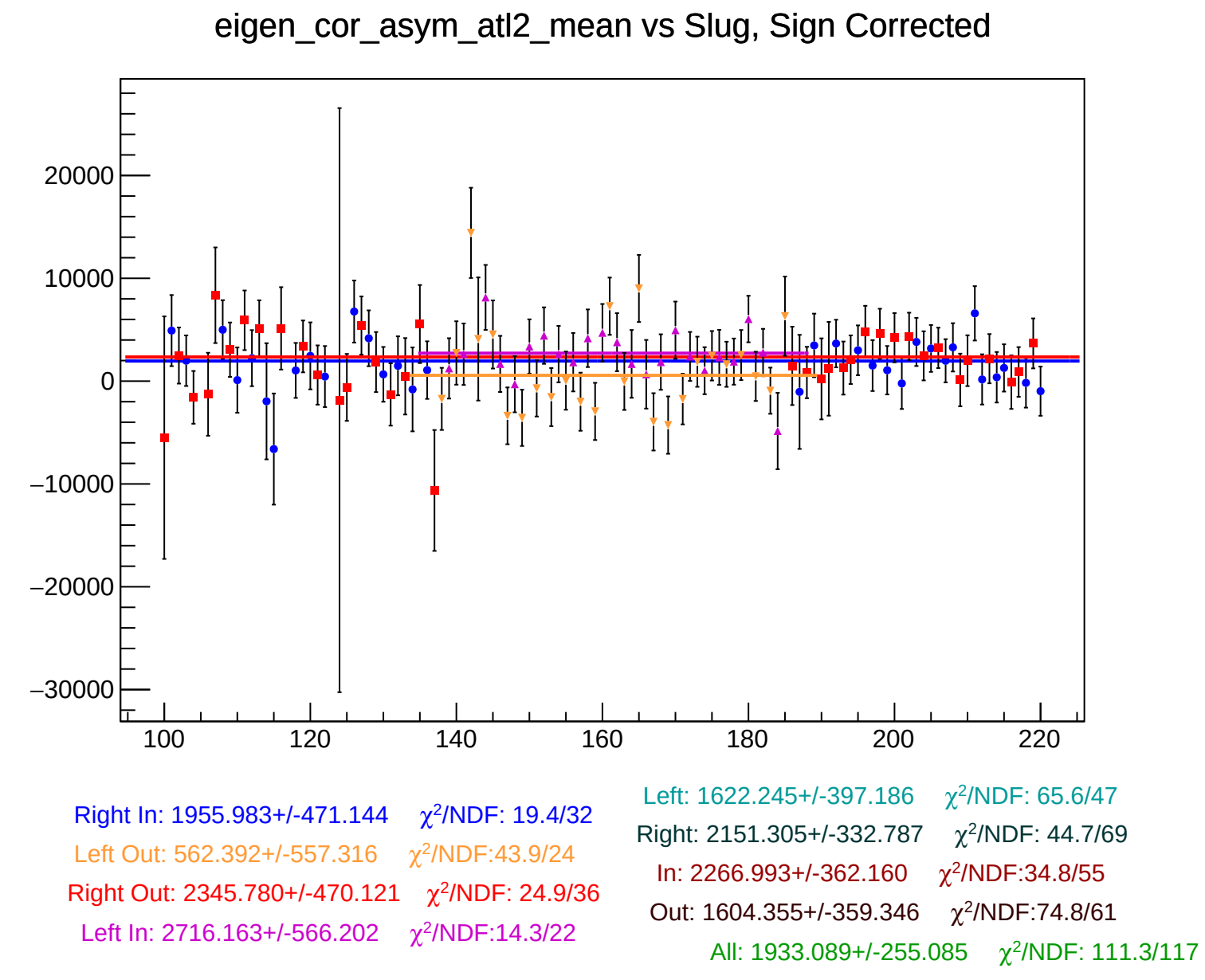
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

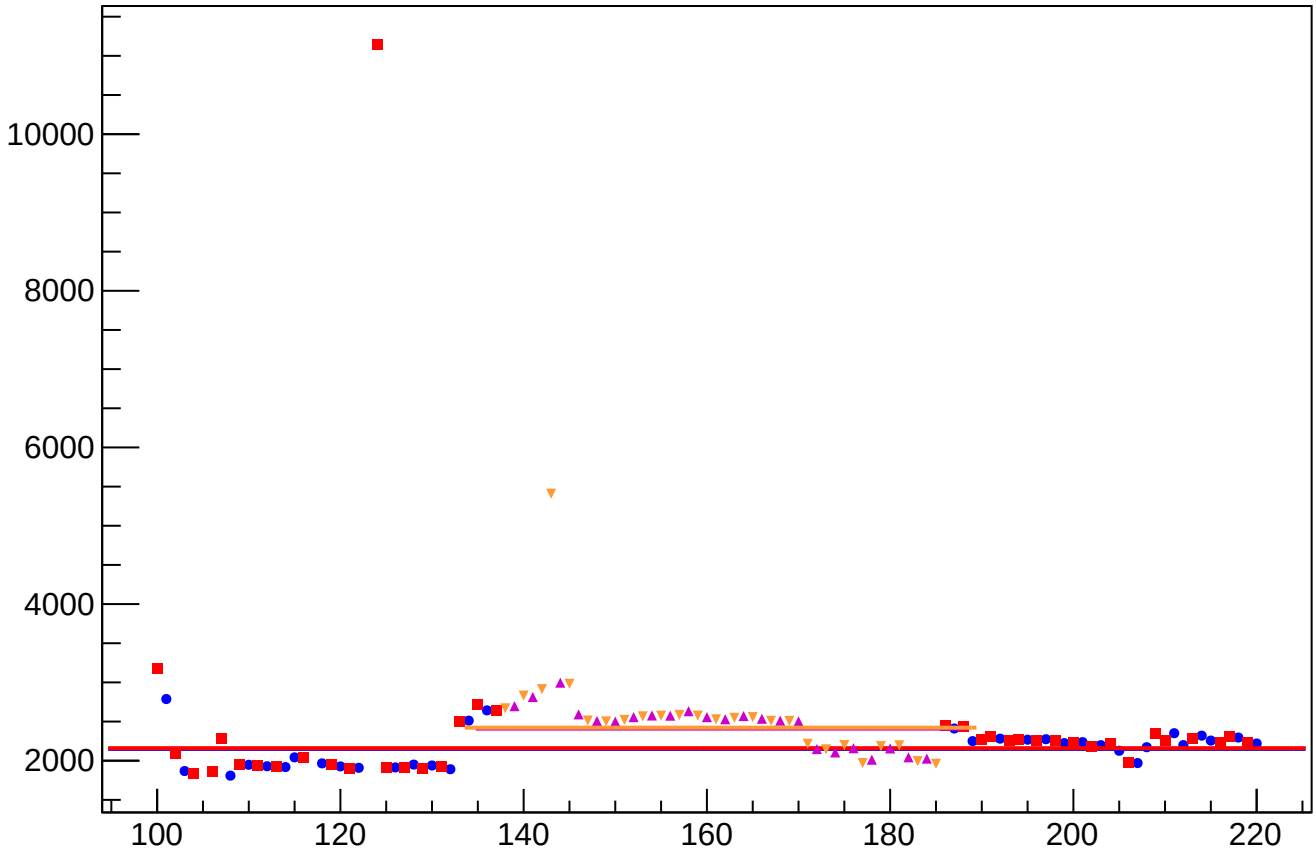
Right: 2627.062+/-0.475 χ^2/NDF: 53915242.1/69

In: 8040.370+/-0.937 χ^2/NDF:4679749.5/55

Out: 1719.442+/-0.373 χ^2/NDF:59626930.8/61

All: 2583.629+/-0.346 χ^2/NDF: 103604678.3


eigen_cor_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 1955.983+/-471.144 χ²/NDF: 19.4/32
Left Out: 562.392+/-557.316 χ²/NDF:43.9/24
Right Out: 2345.780+/-470.121 χ²/NDF: 24.9/36
Left In: 2716.163+/-566.202 χ²/NDF:14.3/22
Left: 1622.245+/-397.186 χ²/NDF: 65.6/47
Right: 2151.305+/-332.787 χ²/NDF: 44.7/69
In: 2266.993+/-362.160 χ²/NDF:34.8/55
Out: 1604.355+/-359.346 χ²/NDF:74.8/61
All: 1933.089+/-255.085 χ²/NDF: 111.3/117



Right In: 2150.868+/-0.333 χ^2/NDF: 387490.0/32

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

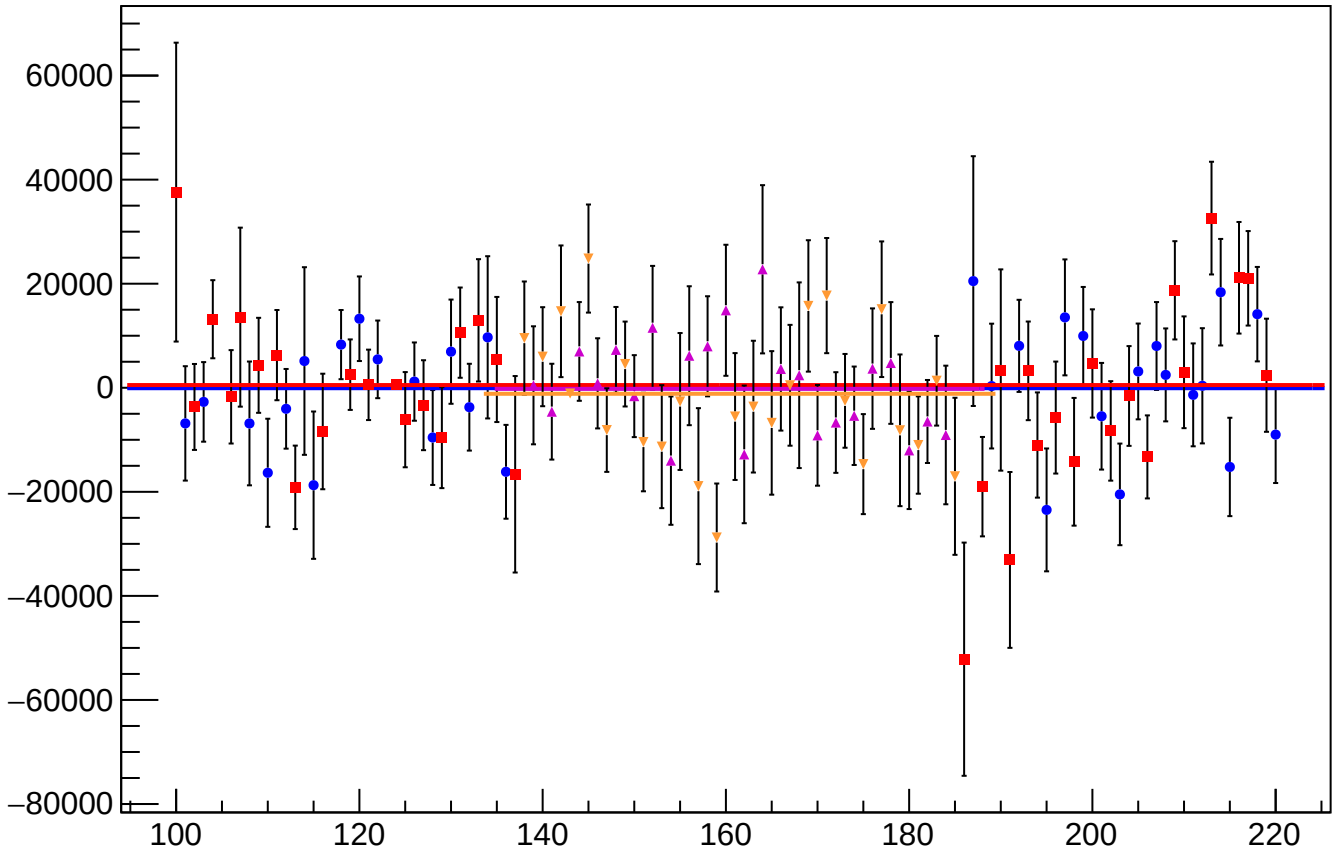
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2155.405+/-0.235 χ^2/NDF: 951400.9/69

In: 2256.812+/-0.256 χ^2/NDF:1063036.7/55

Out: 2268.941+/-0.254 χ^2/NDF:1775099.7/61

All: 2262.924+/-0.180 χ^2/NDF: 2839266.8/11



Right In: -87.272+/-1661.757 χ^2/NDF: 38.7/32

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 520.168+/-734.141 χ^2/NDF: 60.3/36

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

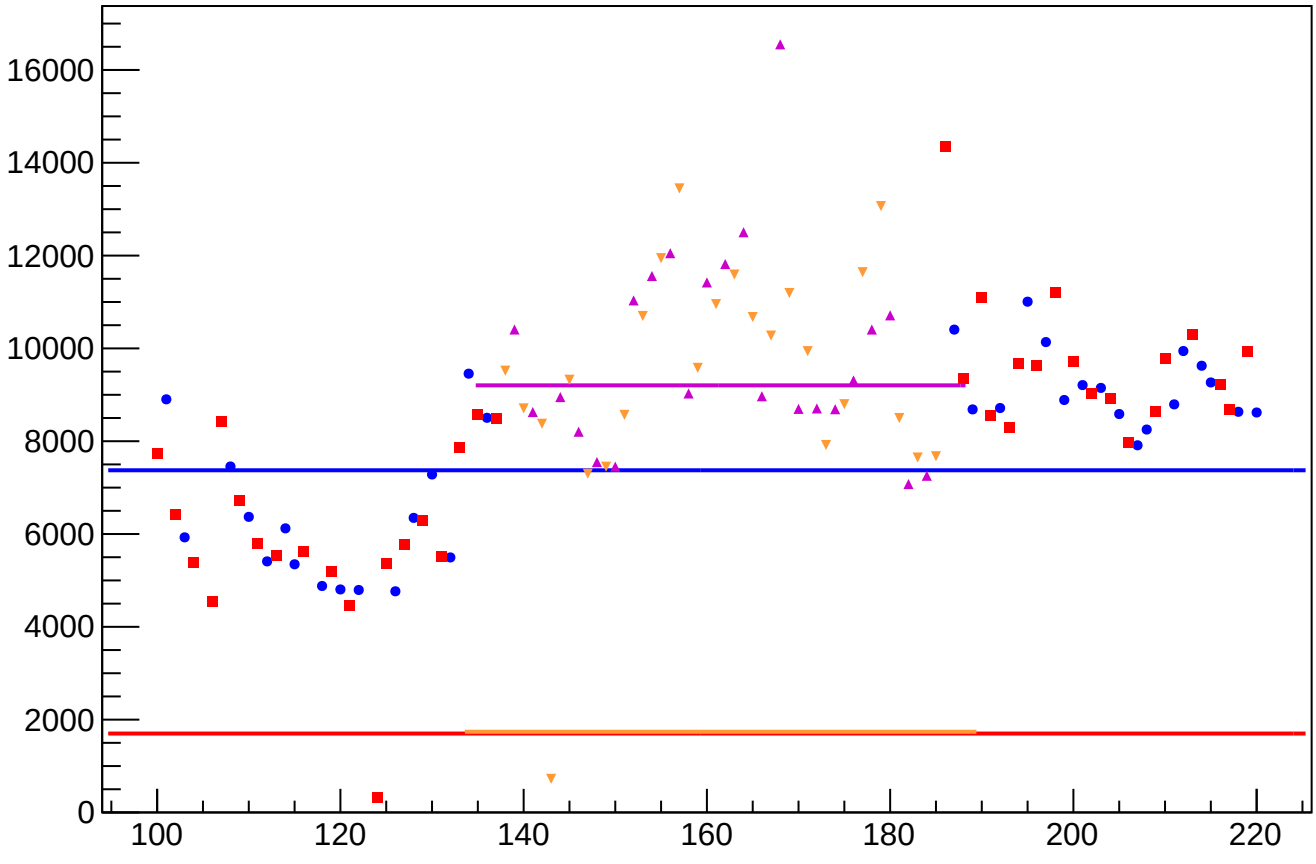
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 420.971+/-671.527 χ^2/NDF: 99.1/69

In: -131.802+/-1324.911 χ^2/NDF:52.1/55

Out: -292.373+/-527.259 χ^2/NDF:94.8/61

All: -270.420+/-489.892 χ^2/NDF: 146.9/117



Right In: 7373.619+/-1.175 χ^2/NDF: 2523899.9/32

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1700.654+/-0.519 χ^2/NDF: 31889133.3/36

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

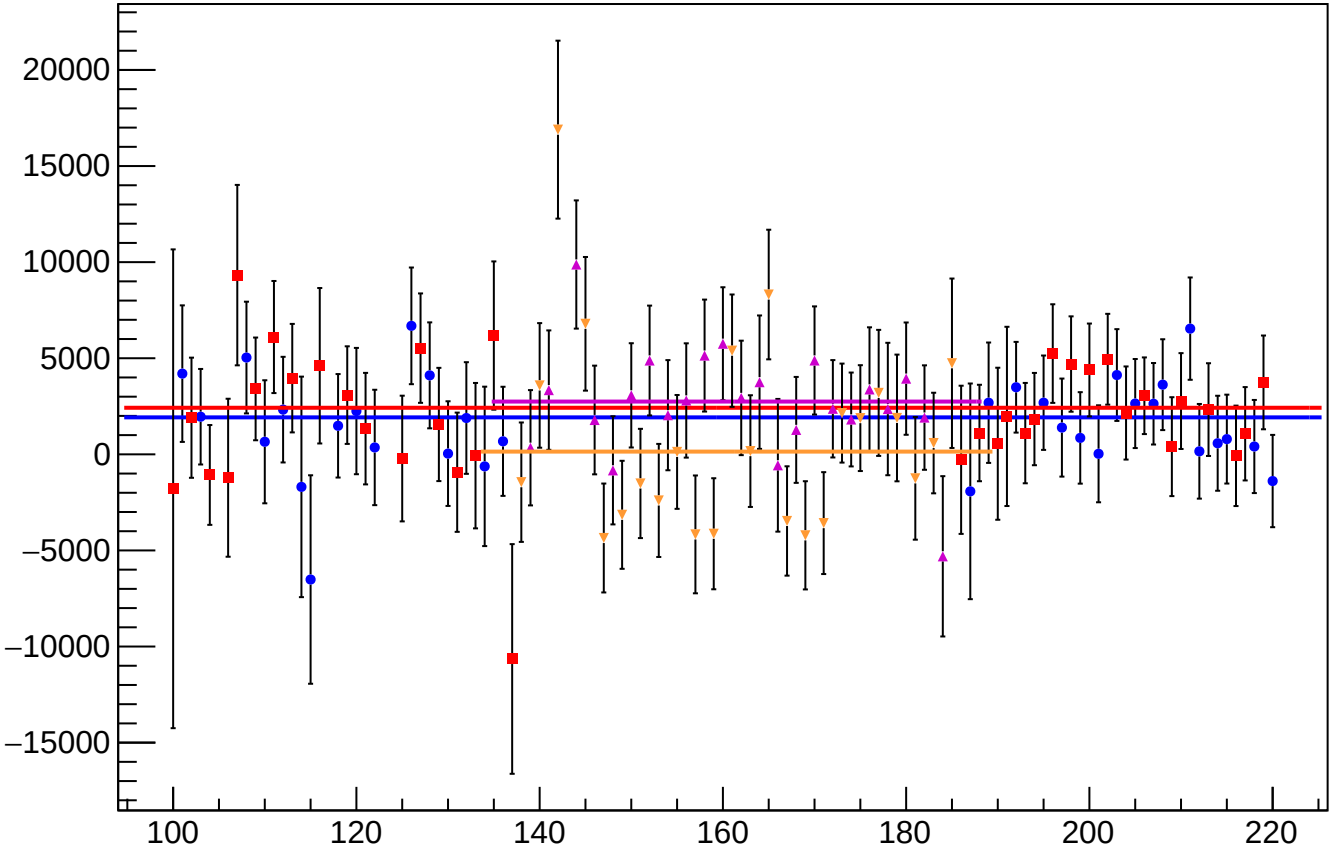
Right: 2627.062+/-0.475 χ^2/NDF: 53915242.1/69

In: 8040.370+/-0.937 χ^2/NDF:4679749.5/55

Out: 1719.442+/-0.373 χ^2/NDF:59626930.8/61

All: 2583.629+/-0.346 χ^2/NDF: 103604678.3

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1923.496+/-476.652 χ^2/NDF: 18.8/32

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2423.241+/-477.197 χ^2/NDF: 24.1/35

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

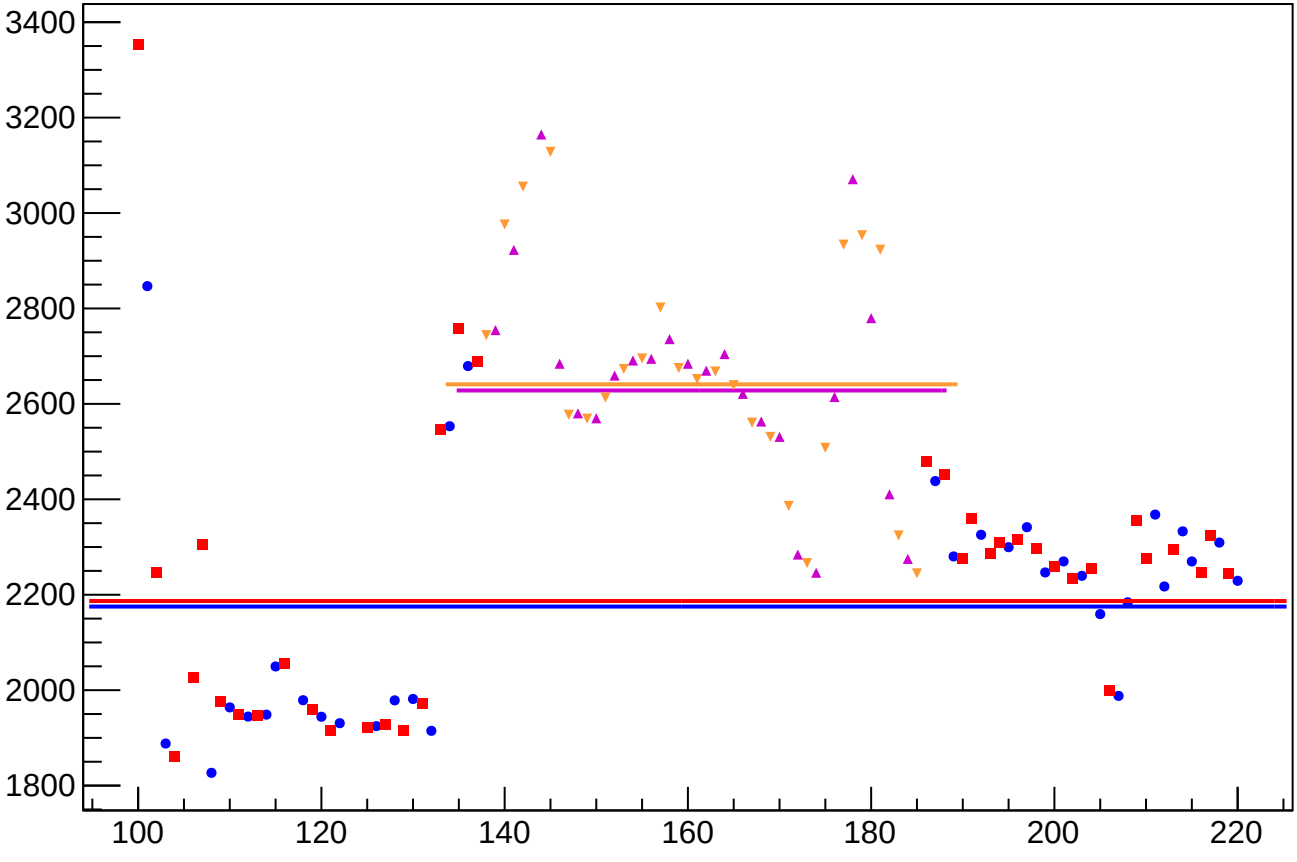
Right: 2173.083+/-337.236 χ^2/NDF: 43.5/68

In: 2231.448+/-377.003 χ^2/NDF:35.3/55

Out: 1567.394+/-377.182 χ^2/NDF:78.5/59

All: 1899.578+/-266.645 χ^2/NDF: 115.4/115

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2175.240+/-0.337 χ^2/NDF: 397251.6/32

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2186.873+/-0.337 χ^2/NDF: 362794.6/35

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

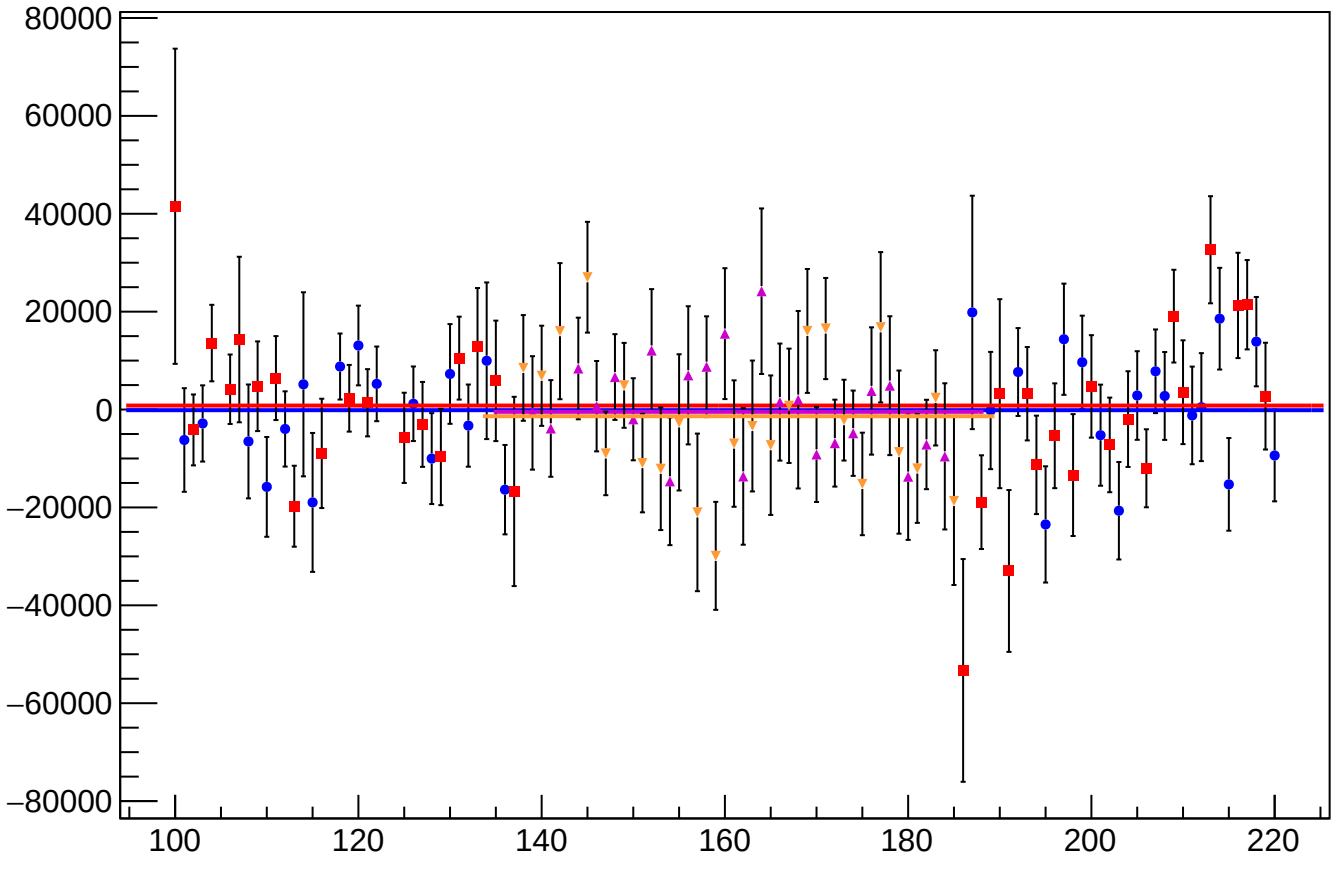
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2181.053+/-0.238 χ^2/NDF: 760641.5/68

In: 2344.803+/-0.267 χ^2/NDF:1310741.4/55

Out: 2357.157+/-0.267 χ^2/NDF:1296151.7/59

All: 2350.979+/-0.189 χ^2/NDF: 2607966.9/11



Right In: -129.453+/-1674.133 χ^2/NDF: 38.2/32

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 814.039+/-1633.329 χ^2/NDF: 60.1/35

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

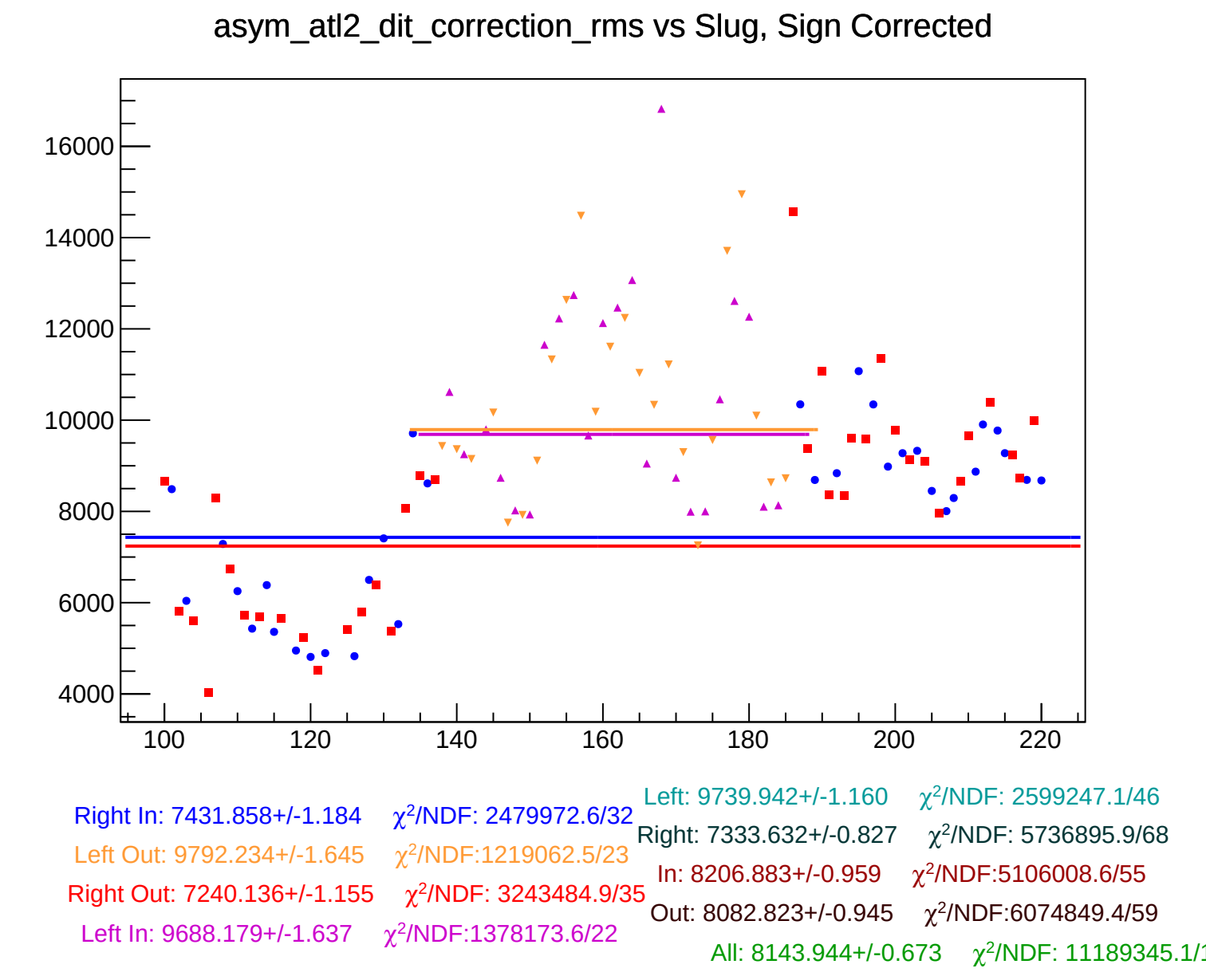
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

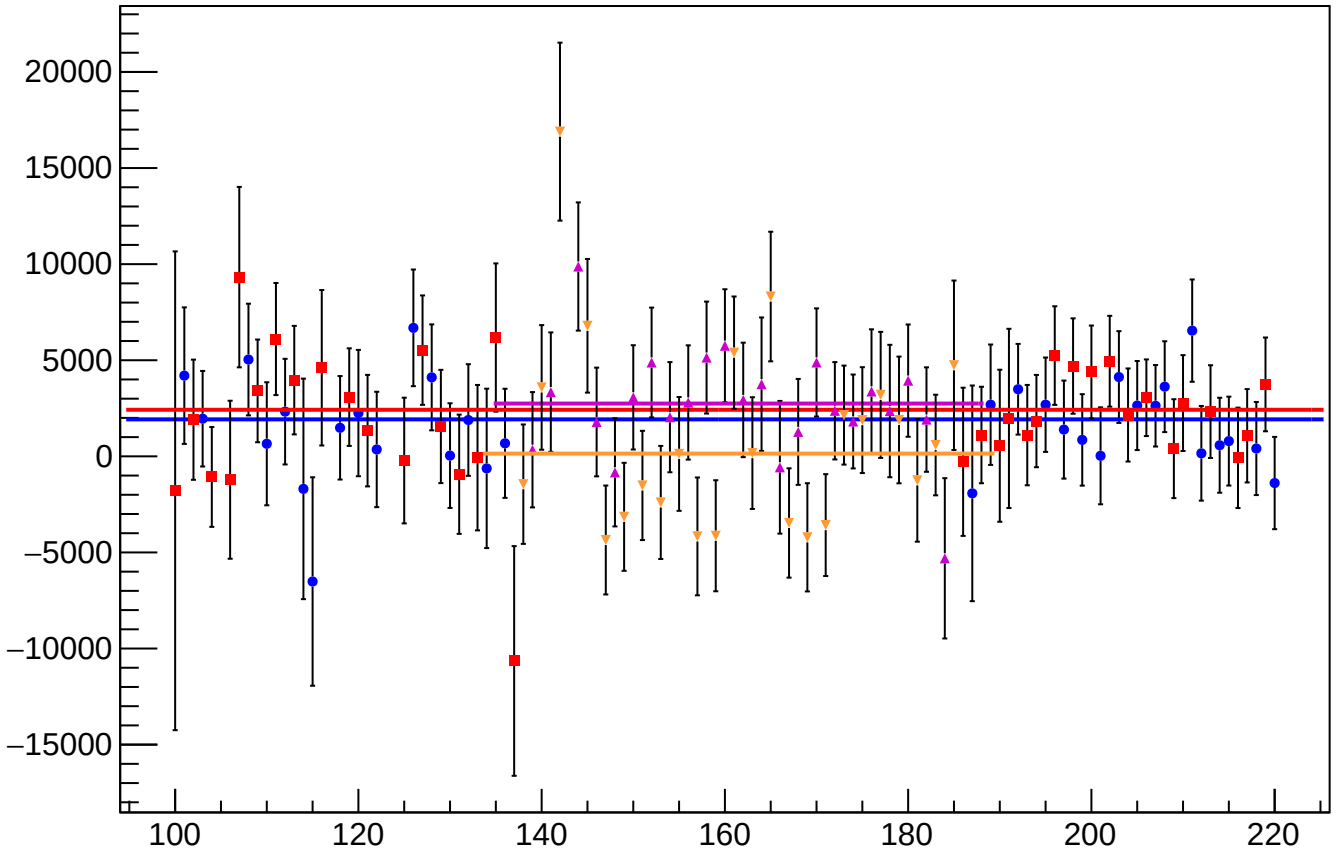
Right: 353.931+/-1169.097 χ^2/NDF: 98.5/68

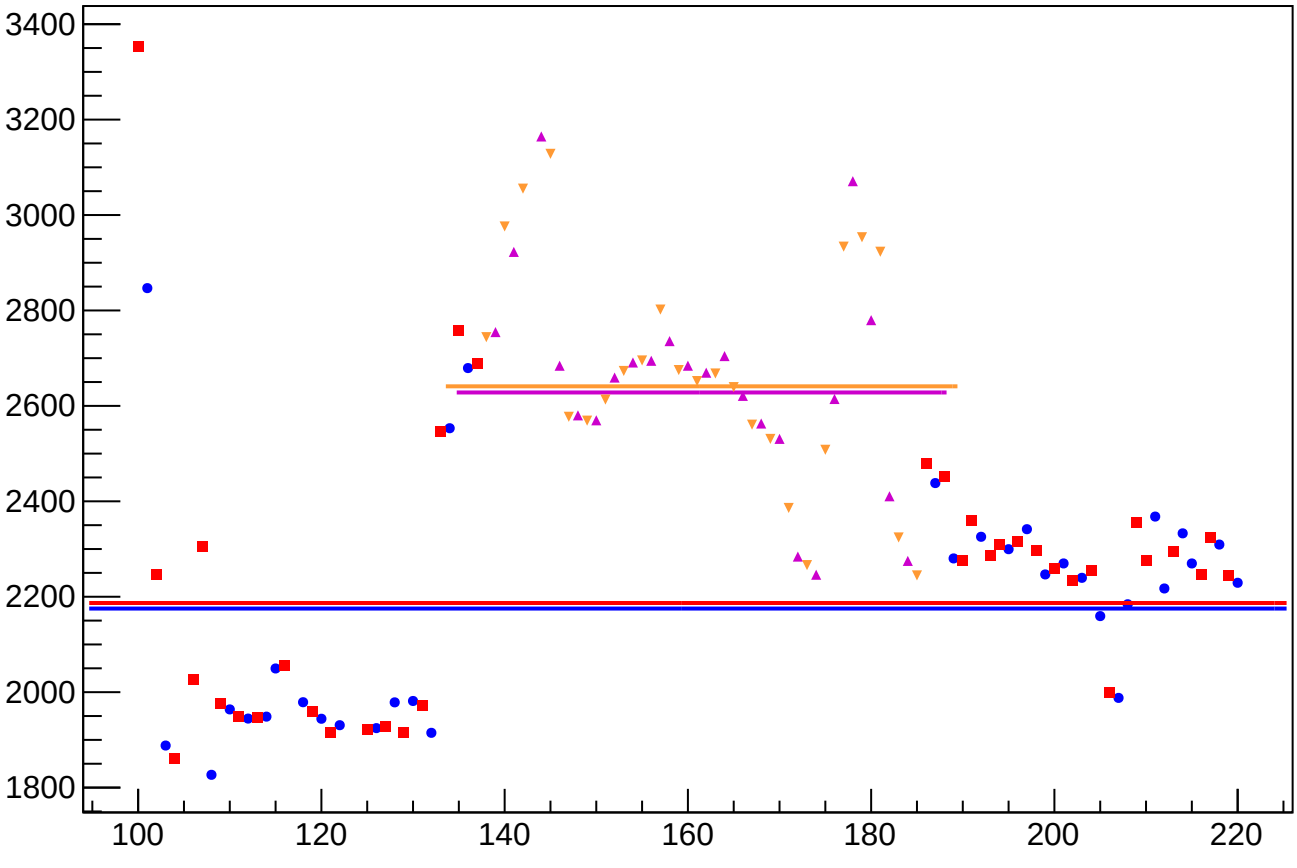
In: -244.290+/-1356.471 χ^2/NDF:51.3/55

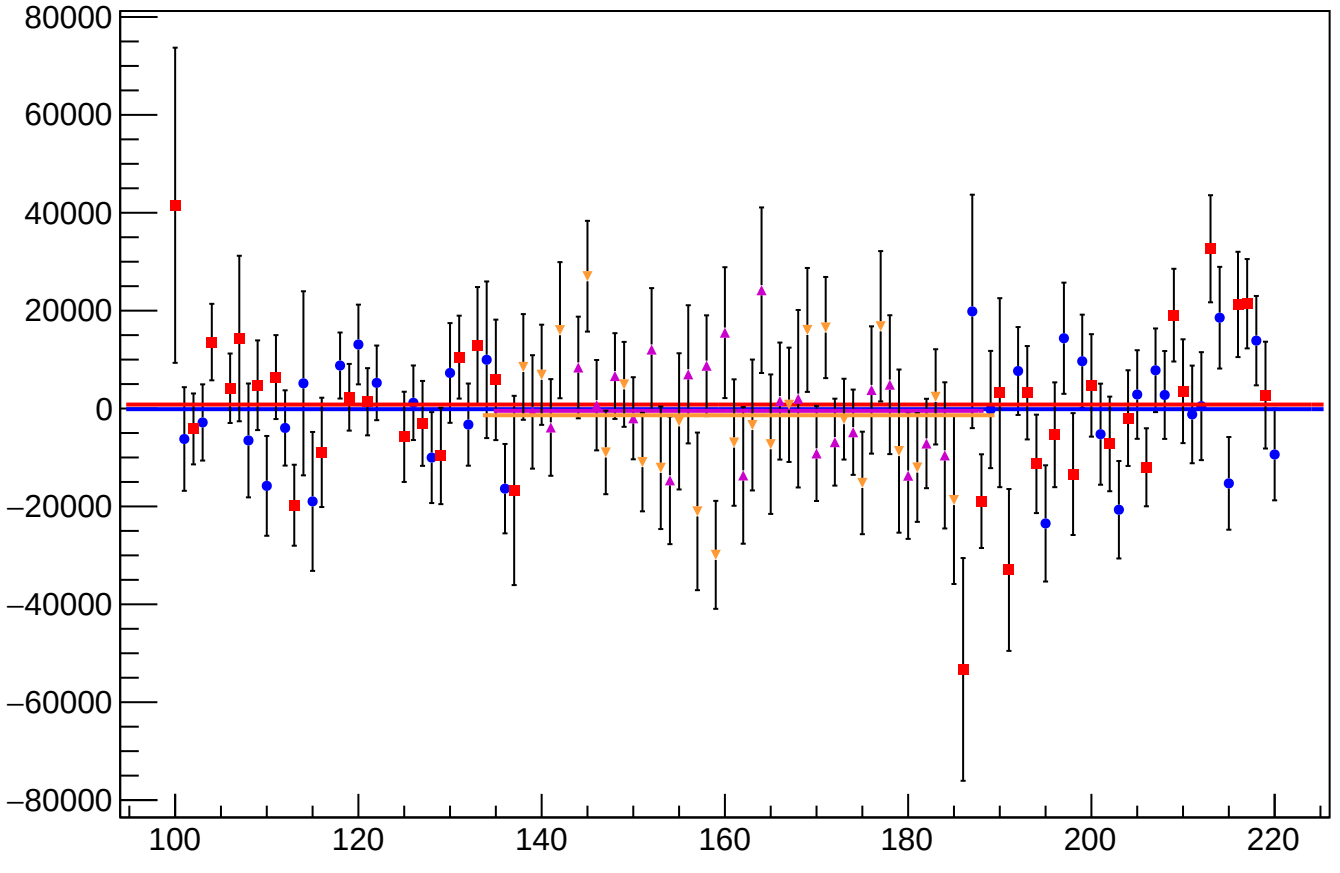
Out: 93.926+/-1336.744 χ^2/NDF:91.9/59

All: -72.705+/-952.118 χ^2/NDF: 143.3/115


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 7431.858+/-1.184 χ²/NDF: 2479972.6/32
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 7240.136+/-1.155 χ²/NDF: 3243484.9/35
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 7333.632+/-0.827 χ²/NDF: 5736895.9/68
In: 8206.883+/-0.959 χ²/NDF:5106008.6/55
Out: 8082.823+/-0.945 χ²/NDF:6074849.4/59
All: 8143.944+/-0.673 χ²/NDF: 11189345.1/1


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1923.499+/-476.652 χ²/NDF: 18.8/32
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2423.236+/-477.197 χ²/NDF: 24.1/35
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2173.083+/-337.236 χ²/NDF: 43.5/68
In: 2231.449+/-377.003 χ²/NDF:35.3/55
Out: 1567.388+/-377.182 χ²/NDF:78.5/59
All: 1899.576+/-266.645 χ²/NDF: 115.4/115


eigen_dit_asym_atl2_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
120
140
160
180
200
220
Right In: 2175.240+/-0.337 χ²/NDF: 397251.6/32
Left Out: 2640.993+/-0.435 χ²/NDF:253411.8/23
Right Out: 2186.873+/-0.337 χ²/NDF: 362795.2/35
Left In: 2628.116+/-0.436 χ²/NDF:237516.8/22
Left: 2634.558+/-0.308 χ²/NDF: 491365.7/46
Right: 2181.053+/-0.238 χ²/NDF: 760642.1/68
In: 2344.803+/-0.267 χ²/NDF:1310755.7/55
Out: 2357.157+/-0.267 χ²/NDF:1296167.9/59
All: 2350.980+/-0.189 χ²/NDF: 2607997.3/11



Right In: -129.447+/-1674.132 χ^2/NDF: 38.2/32

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 814.044+/-1633.327 χ^2/NDF: 60.1/35

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

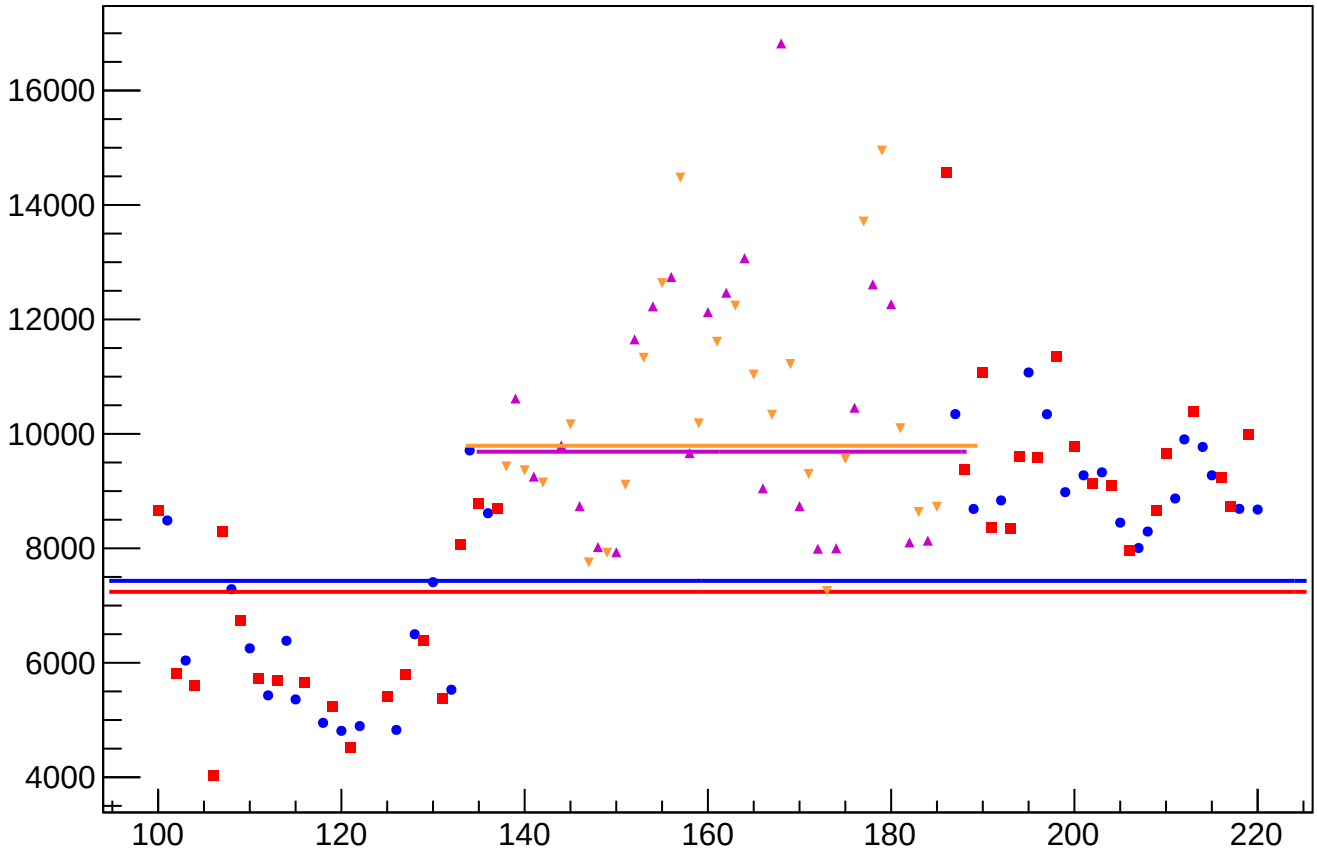
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: 353.937+/-1169.096 χ^2/NDF: 98.5/68

In: -244.286+/-1356.471 χ^2/NDF:51.3/55

Out: 93.929+/-1336.744 χ^2/NDF:91.9/59

All: -72.701+/-952.119 χ^2/NDF: 143.3/115



Right In: 7431.850+/-1.184 χ^2/NDF: 2480025.6/32

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 7240.125+/-1.155 χ^2/NDF: 3243529.0/35

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

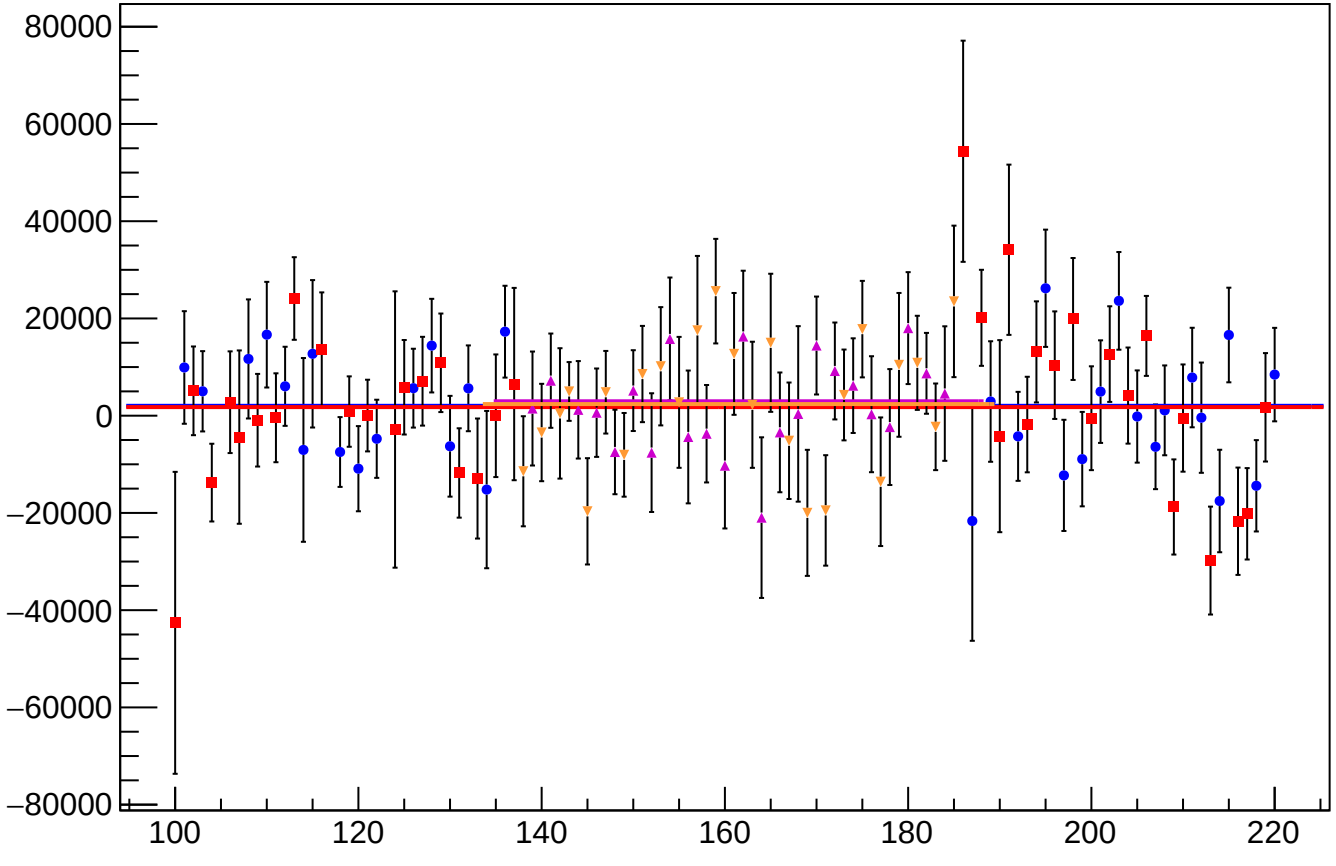
Right: 7333.622+/-0.827 χ^2/NDF: 5736993.5/68

In: 8206.880+/-0.959 χ^2/NDF:5106087.0/55

Out: 8082.818+/-0.945 χ^2/NDF:6074926.6/59

All: 8143.940+/-0.673 χ^2/NDF: 11189501.0/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2031.395+/-1741.205 χ^2/NDF: 38.6/32

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 1766.241+/-1730.560 χ^2/NDF: 62.6/36

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

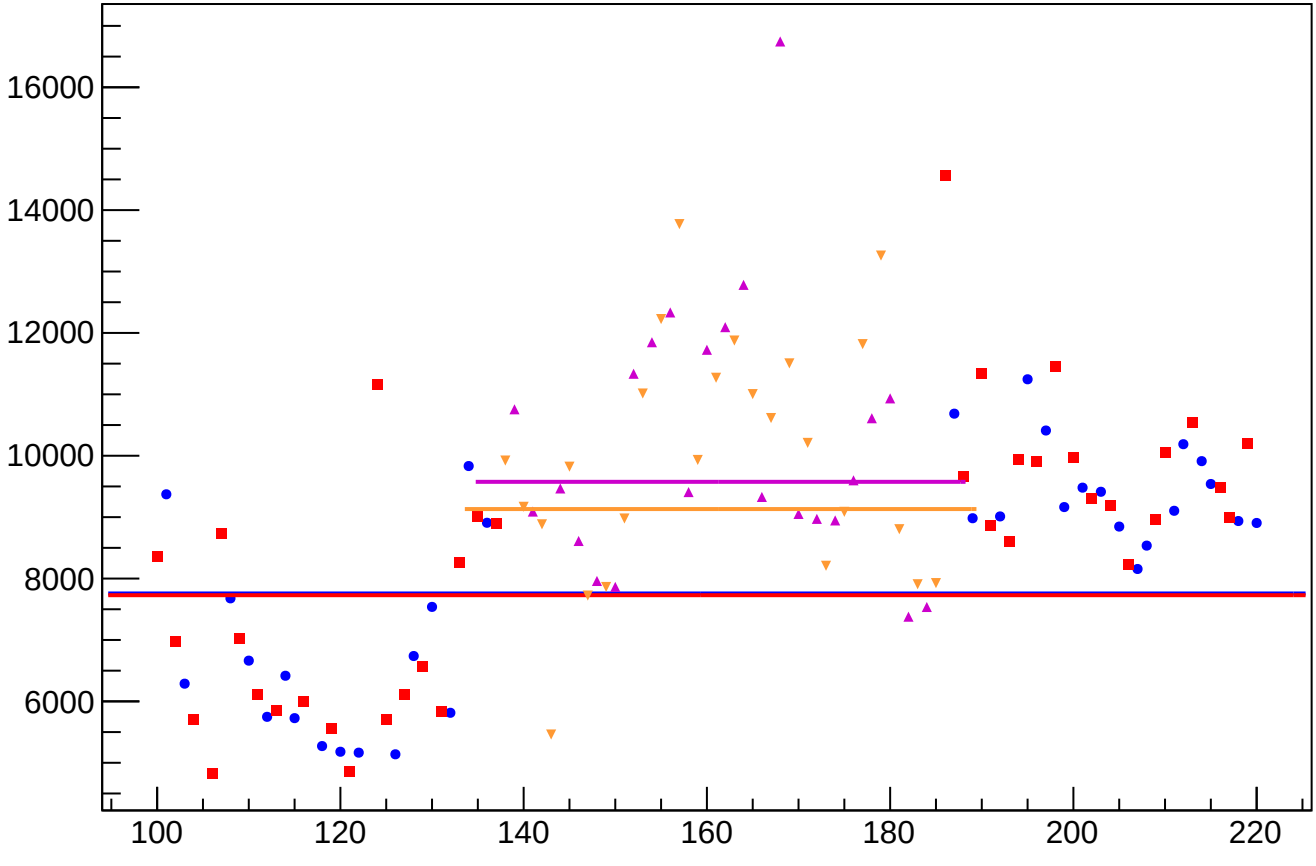
Right: 1898.005+/-1227.437 χ^2/NDF: 101.2/69

In: 2374.977+/-1383.581 χ^2/NDF:51.7/55

Out: 2012.503+/-1344.765 χ^2/NDF:92.4/61

All: 2188.584+/-964.323 χ^2/NDF: 144.1/117

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7757.036+/-1.231 χ^2/NDF: 2195300.2/32

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7729.124+/-1.224 χ^2/NDF: 2638559.5/36

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

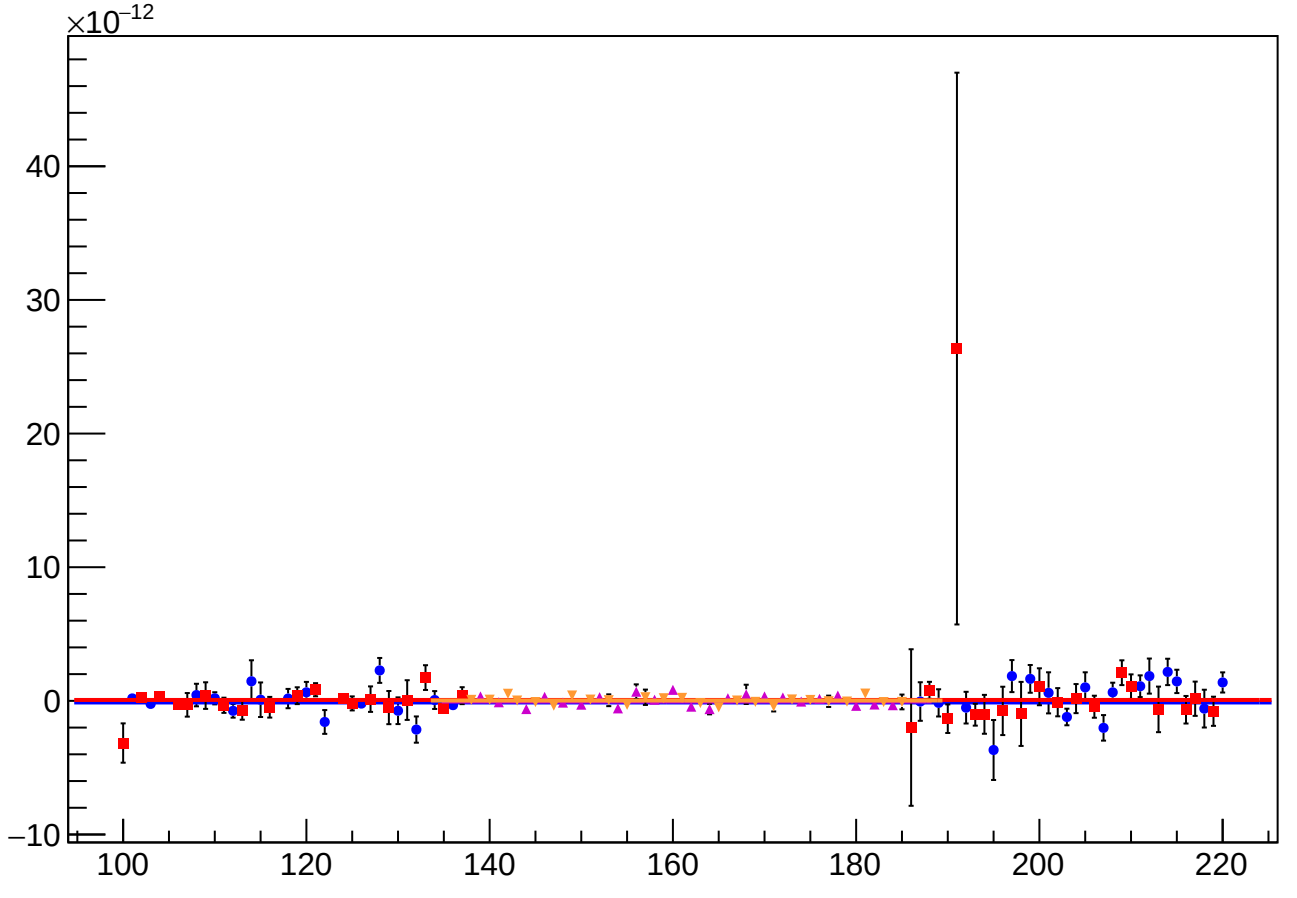
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7742.995+/-0.868 χ^2/NDF: 4834118.2/69

In: 8427.212+/-0.978 χ^2/NDF:4152924.7/55

Out: 8284.778+/-0.951 χ^2/NDF:4970687.8/61

All: 8353.969+/-0.682 χ^2/NDF: 9134511.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 56.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/36

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

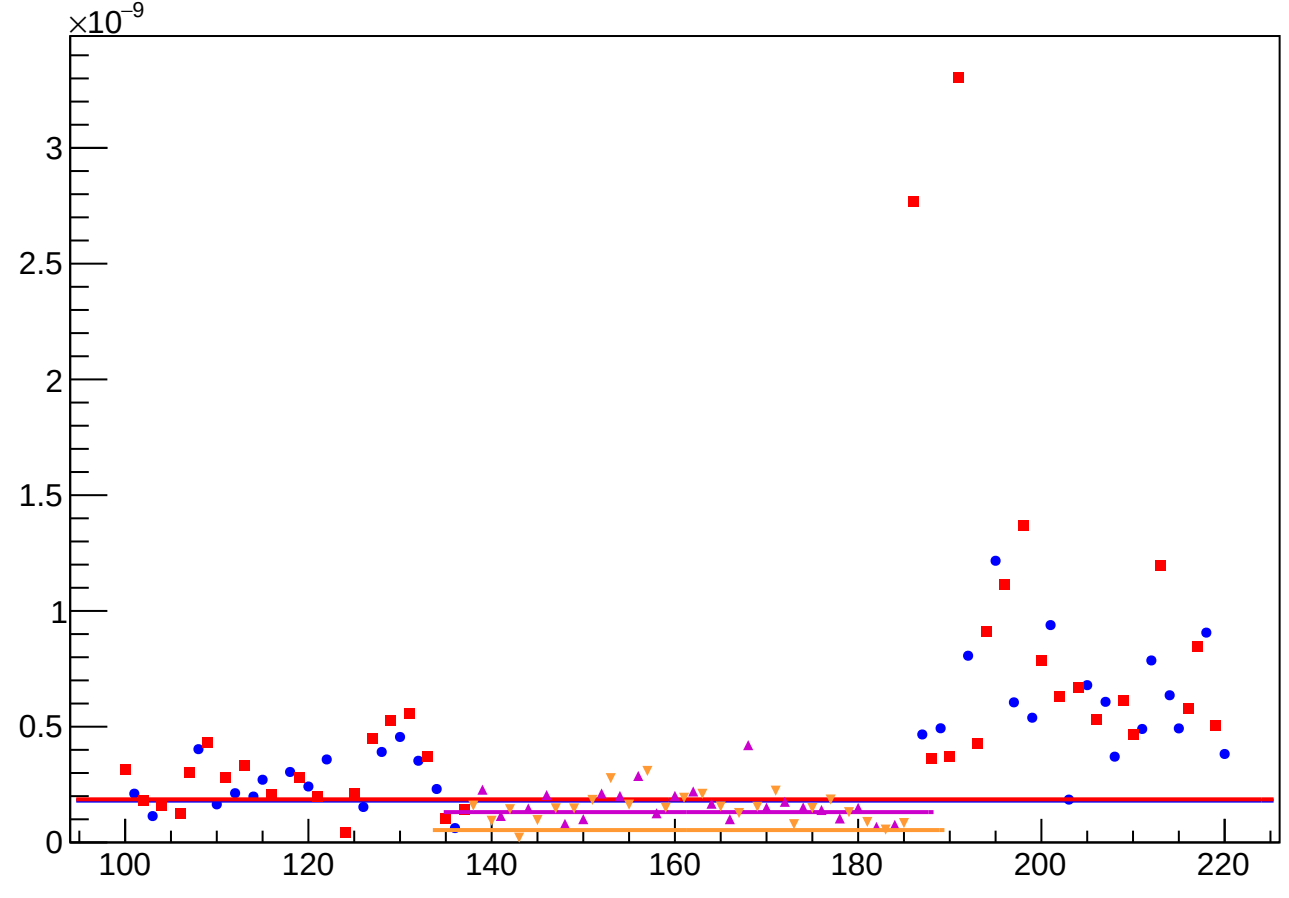
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 95.3/69

In: -0.000+/-0.000 χ^2/NDF:93.7/55

Out: 0.000+/-0.000 χ^2/NDF:54.7/61

All: 0.000+/-0.000 χ^2/NDF: 151.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 7526911.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9010674.6/36

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

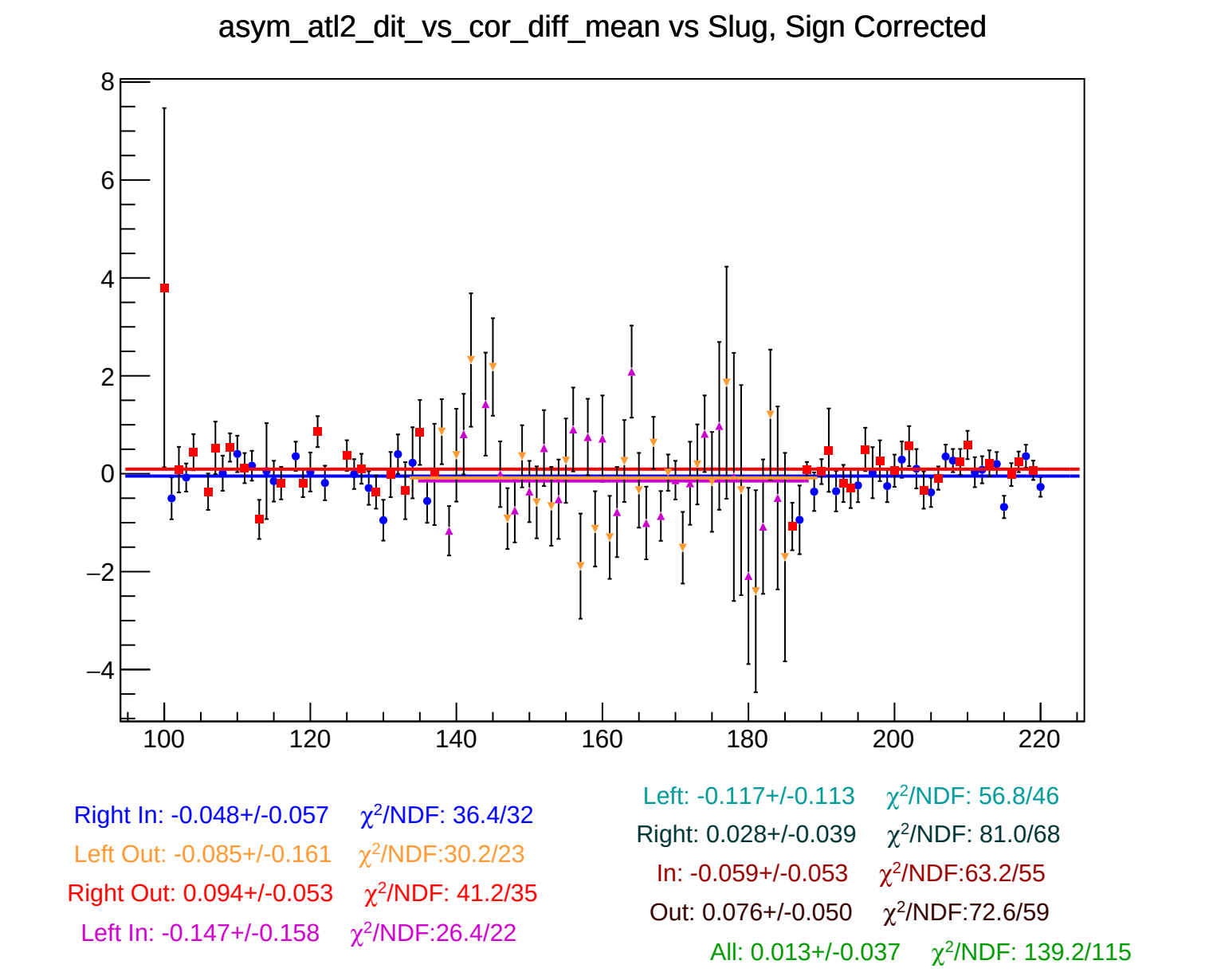
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16541521.2/69

In: 0.000+/-0.000 χ^2/NDF:9884894.0/55

Out: 0.000+/-0.000 χ^2/NDF:20191771.3/61

All: 0.000+/-0.000 χ^2/NDF: 34226773.4/117


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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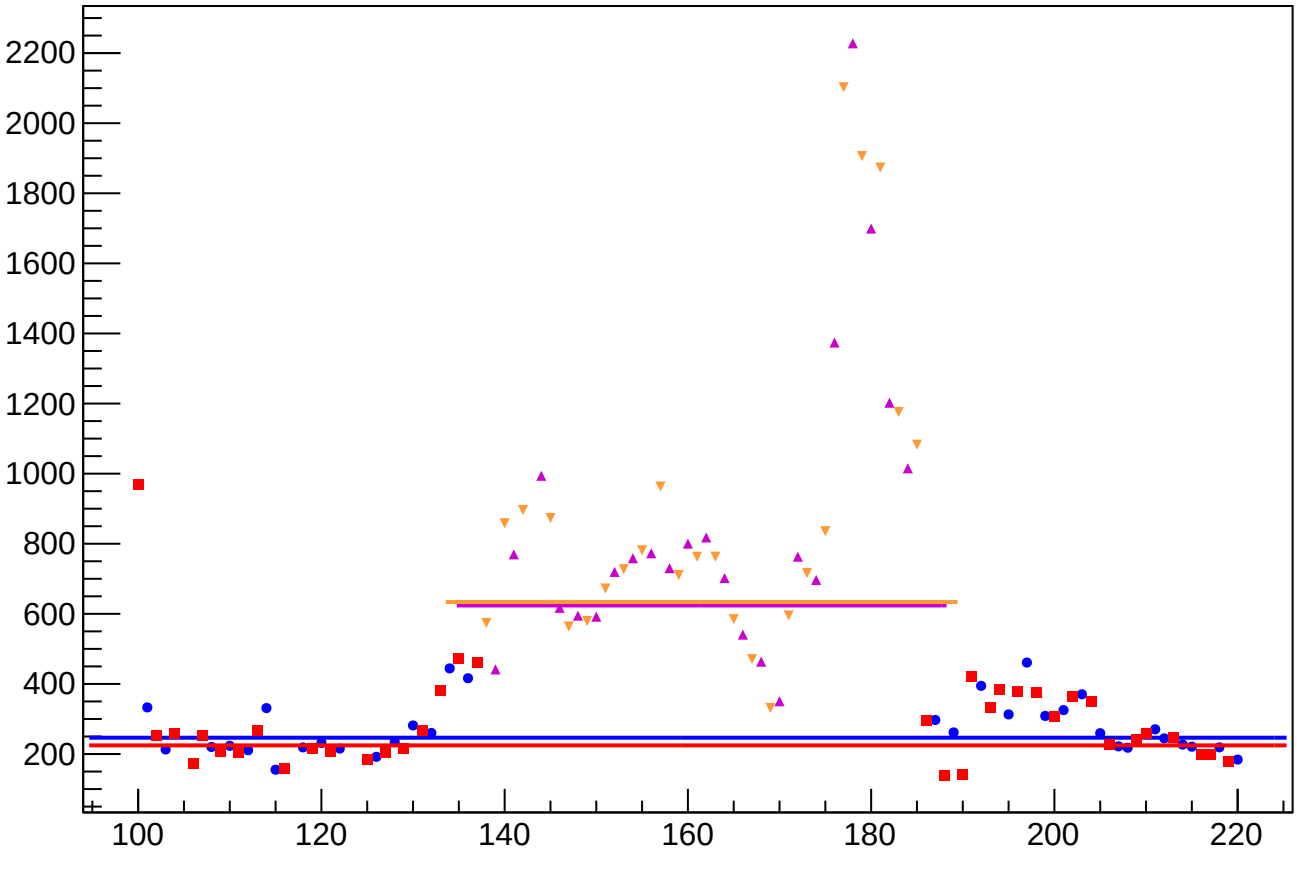
Right In: -0.048+/-0.057 χ²/NDF: 36.4/32
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.094+/-0.053 χ²/NDF: 41.2/35
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.028+/-0.039 χ²/NDF: 81.0/68
In: -0.059+/-0.053 χ²/NDF:63.2/55
Out: 0.076+/-0.050 χ²/NDF:72.6/59
All: 0.013+/-0.037 χ²/NDF: 139.2/115



Right In: 246.515+/-0.040 χ^2/NDF: 2182293.2/32

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

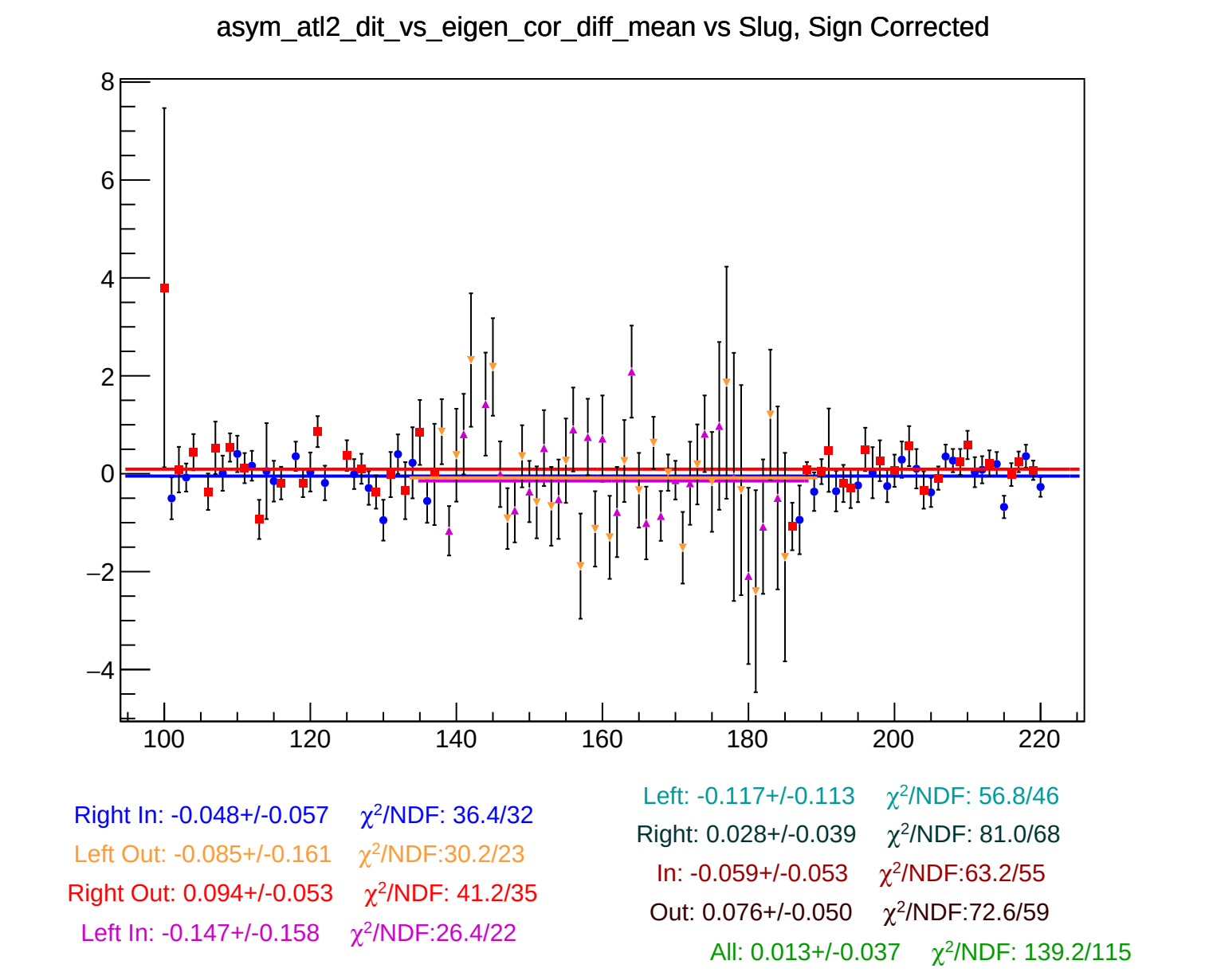
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 234.816+/-0.027 χ^2/NDF: 5972341.0/68

In: 289.462+/-0.038 χ^2/NDF:16809116.7/55

Out: 264.219+/-0.035 χ^2/NDF:20222264.4/59

All: 276.069+/-0.026 χ^2/NDF: 37268749.1/11


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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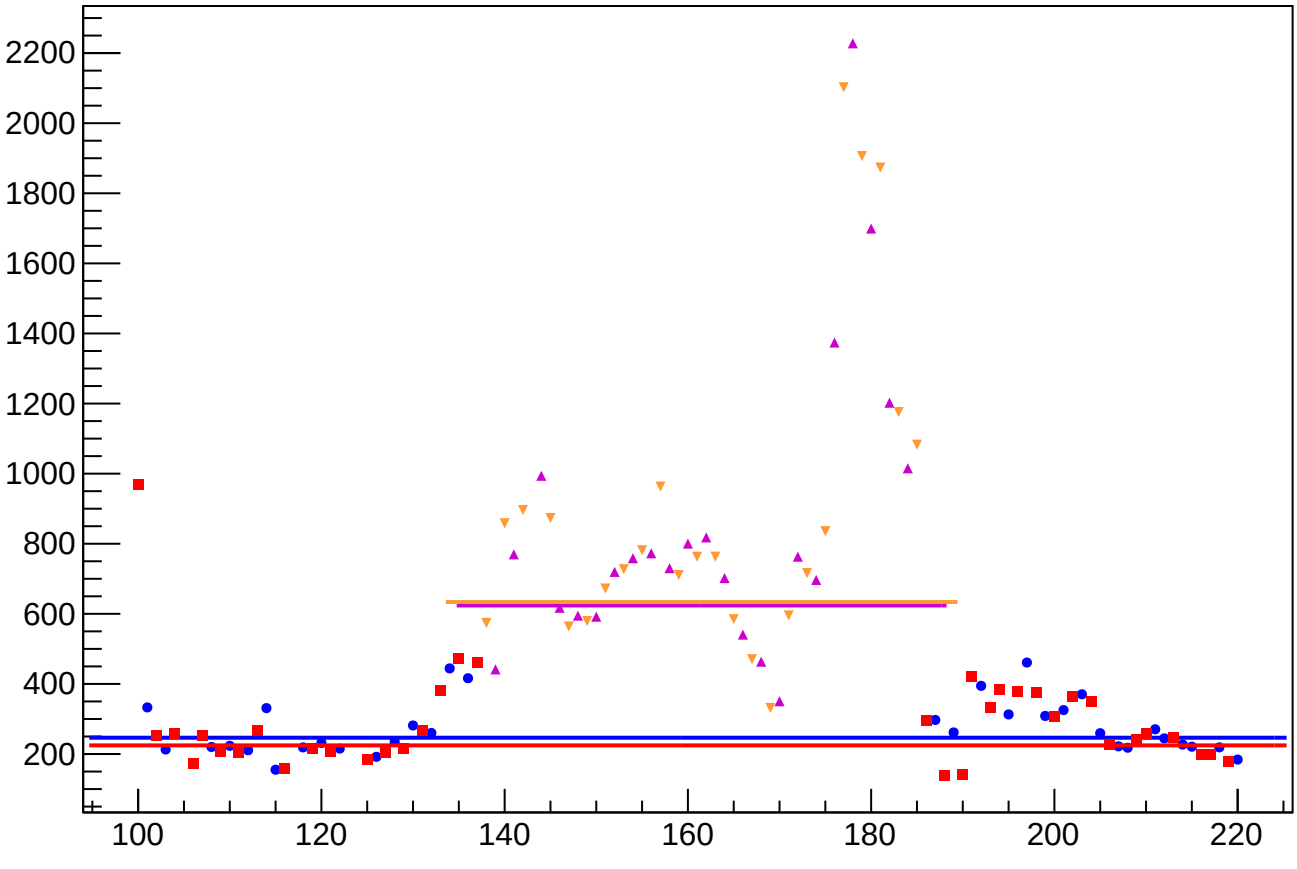
Right In: -0.048+/-0.057 χ²/NDF: 36.4/32
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.094+/-0.053 χ²/NDF: 41.2/35
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.028+/-0.039 χ²/NDF: 81.0/68
In: -0.059+/-0.053 χ²/NDF:63.2/55
Out: 0.076+/-0.050 χ²/NDF:72.6/59
All: 0.013+/-0.037 χ²/NDF: 139.2/115



Right In: 246.515+/-0.040 χ^2/NDF: 2182293.2/32

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

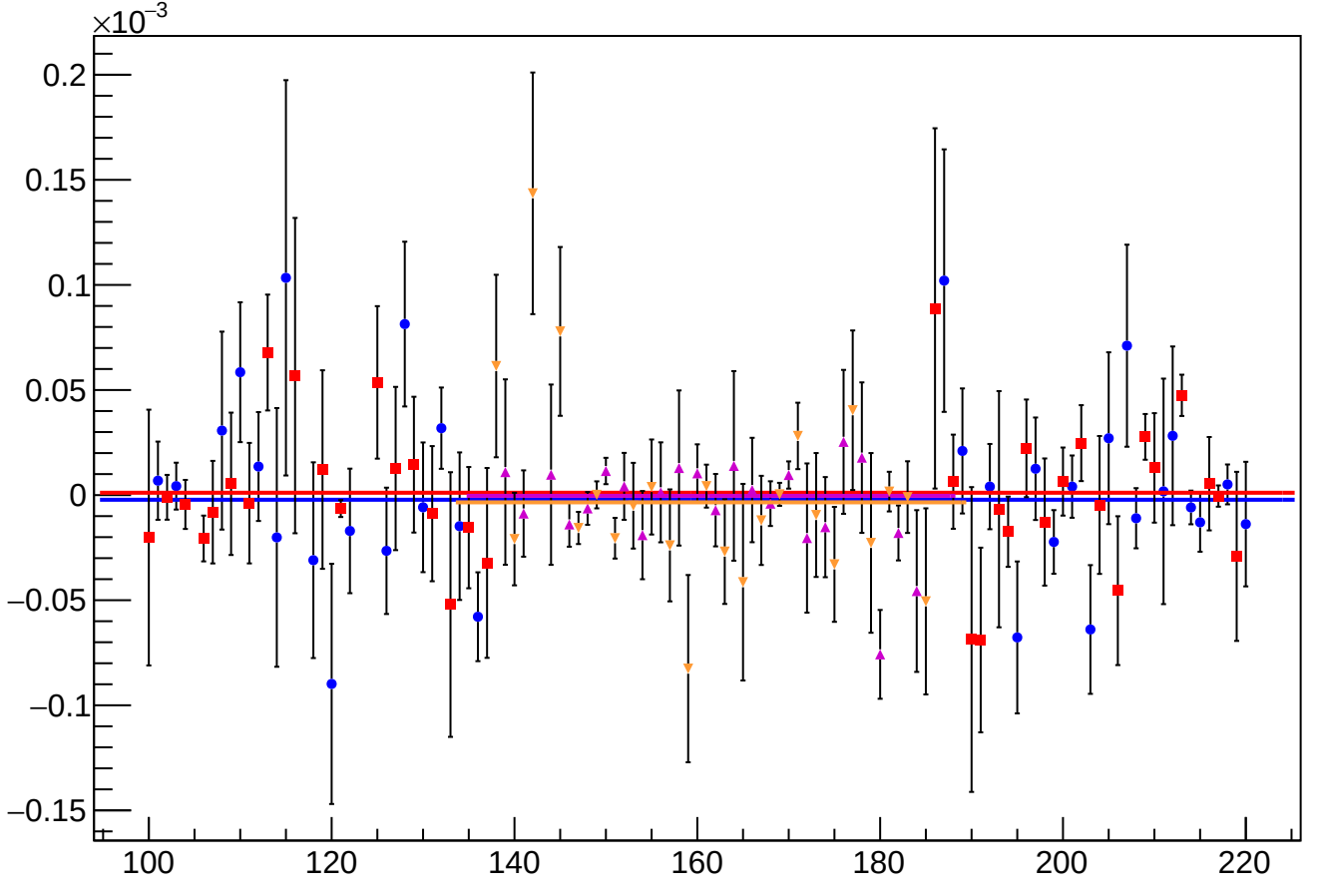
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 234.816+/-0.027 χ^2/NDF: 5972341.0/68

In: 289.462+/-0.038 χ^2/NDF:16809116.7/55

Out: 264.219+/-0.035 χ^2/NDF:20222264.4/59

All: 276.069+/-0.026 χ^2/NDF: 37268749.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 42.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 58.2/35

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

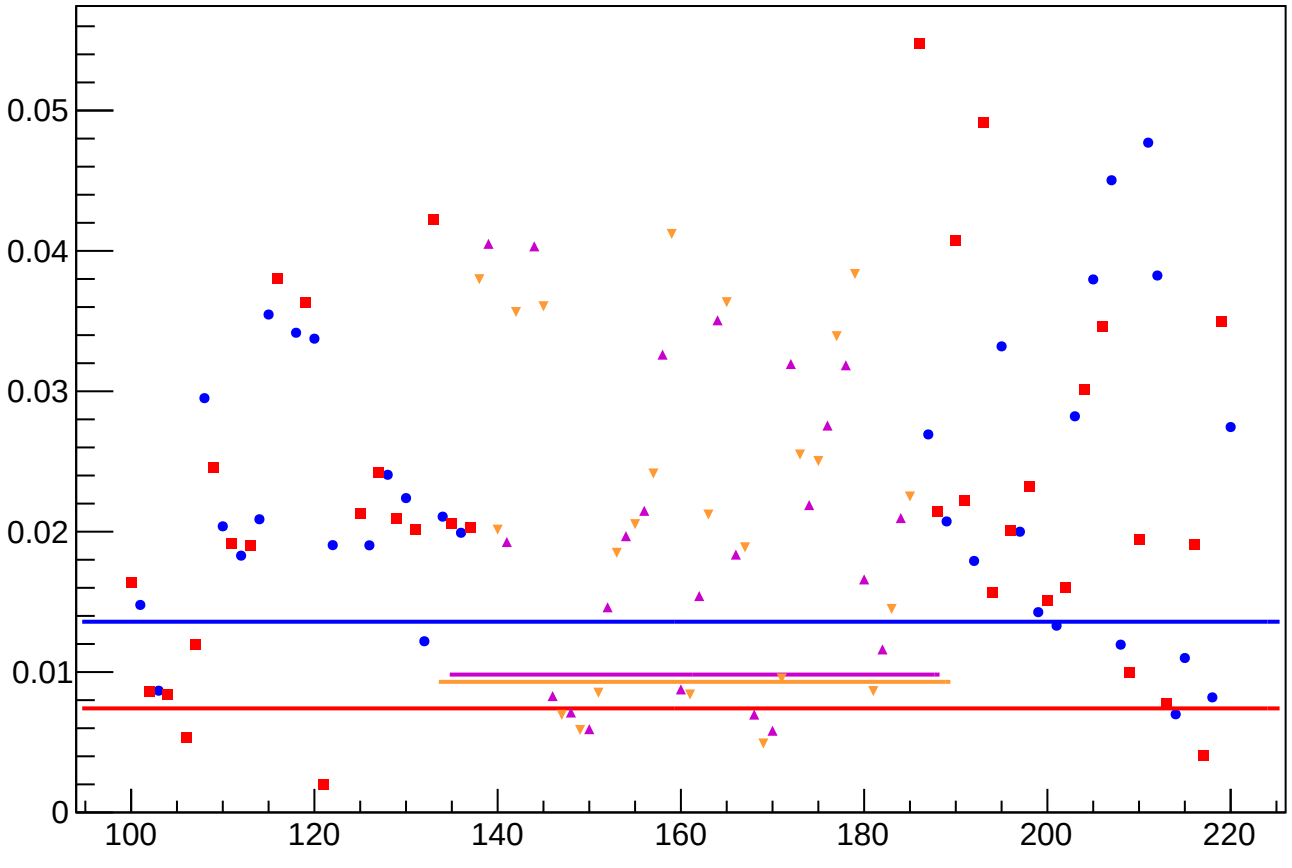
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: 0.000+/-0.000 χ^2/NDF: 101.7/68

In: -0.000+/-0.000 χ^2/NDF:70.9/55

Out: -0.000+/-0.000 χ^2/NDF:94.0/59

All: -0.000+/-0.000 χ^2/NDF: 165.0/115



Right In: 0.014+/-0.000 χ^2/NDF: 9338680.8/32

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 19365830.7/35

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

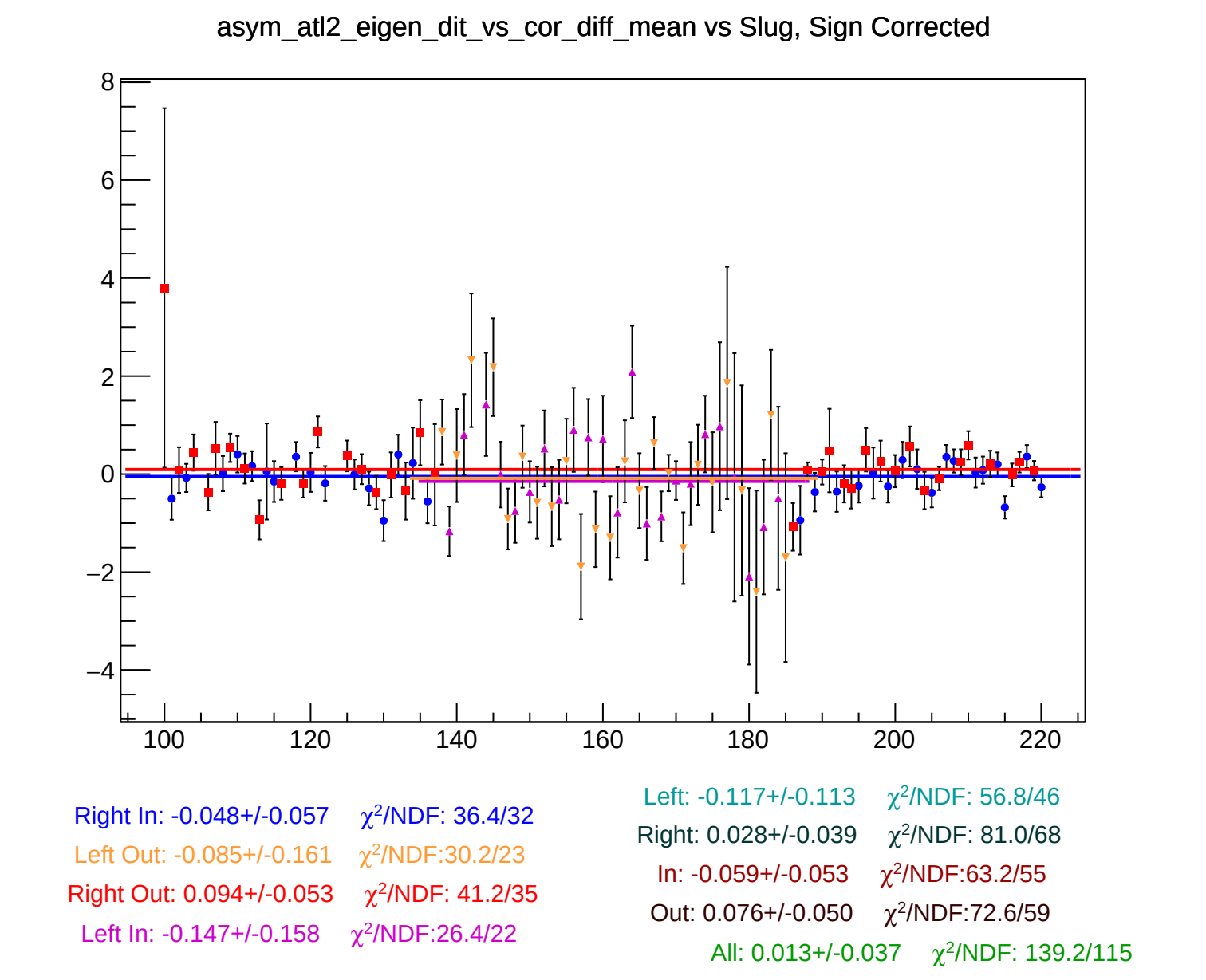
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.009+/-0.000 χ^2/NDF: 32934823.3/68

In: 0.011+/-0.000 χ^2/NDF:21009880.6/55

Out: 0.008+/-0.000 χ^2/NDF:32133097.0/59

All: 0.009+/-0.000 χ^2/NDF: 55511653.6/115


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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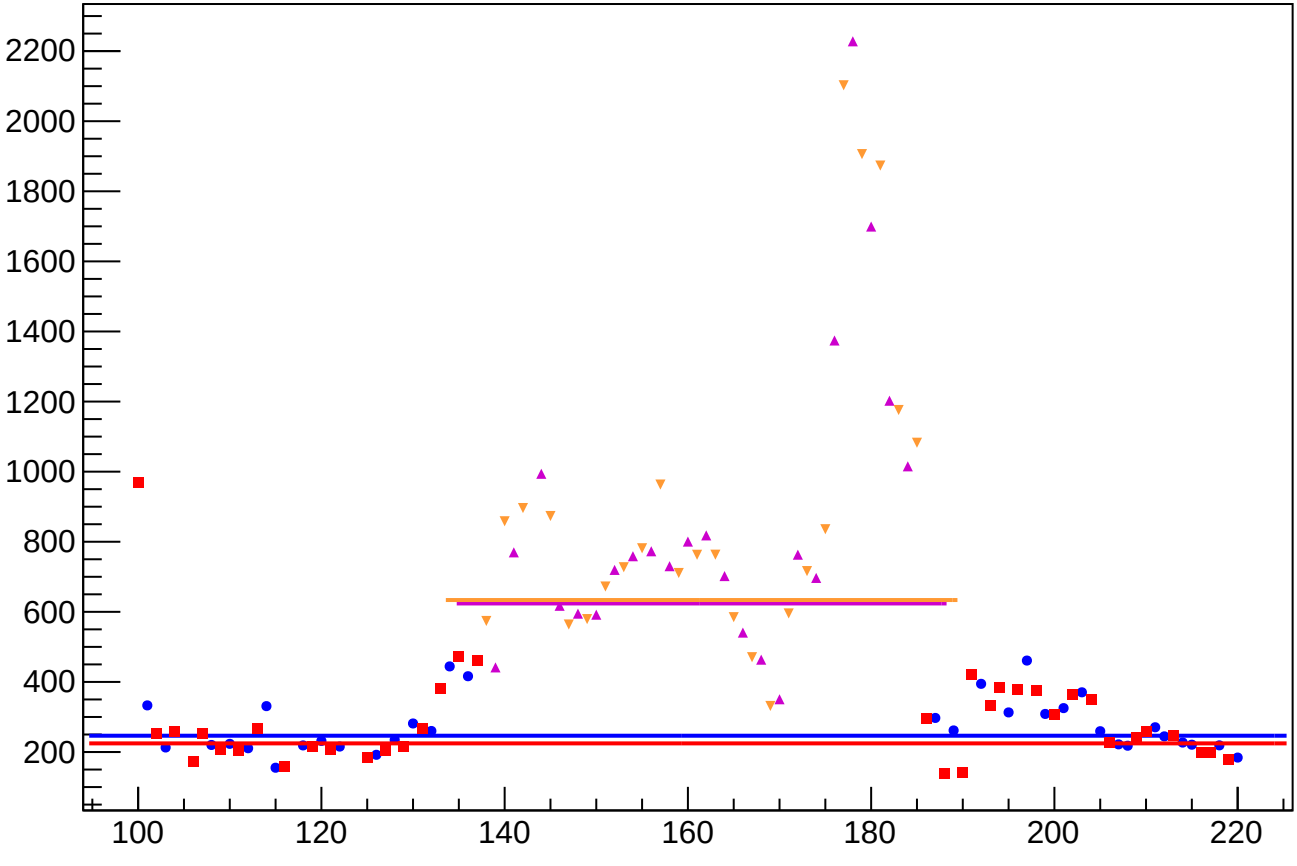
Right In: -0.048+/-0.057 χ²/NDF: 36.4/32
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.094+/-0.053 χ²/NDF: 41.2/35
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.028+/-0.039 χ²/NDF: 81.0/68
In: -0.059+/-0.053 χ²/NDF:63.2/55
Out: 0.076+/-0.050 χ²/NDF:72.6/59
All: 0.013+/-0.037 χ²/NDF: 139.2/115

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 246.516+/-0.040 χ^2/NDF: 2182261.0/32

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 224.659+/-0.037 χ^2/NDF: 3631049.8/35

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

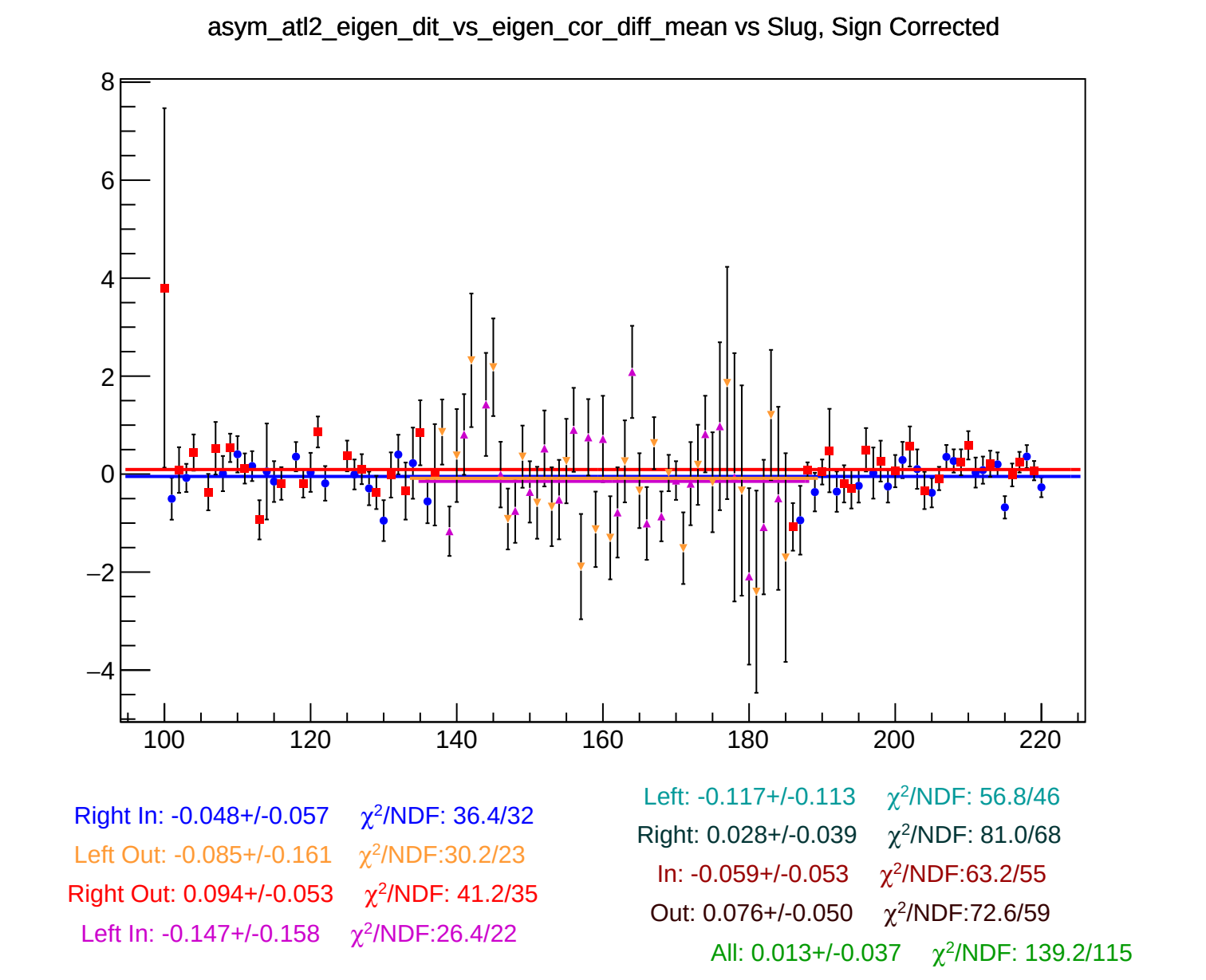
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 234.816+/-0.027 χ^2/NDF: 5972444.4/68

In: 289.463+/-0.038 χ^2/NDF:16809153.8/55

Out: 264.217+/-0.035 χ^2/NDF:20222578.8/59

All: 276.069+/-0.026 χ^2/NDF: 37269151.6/11


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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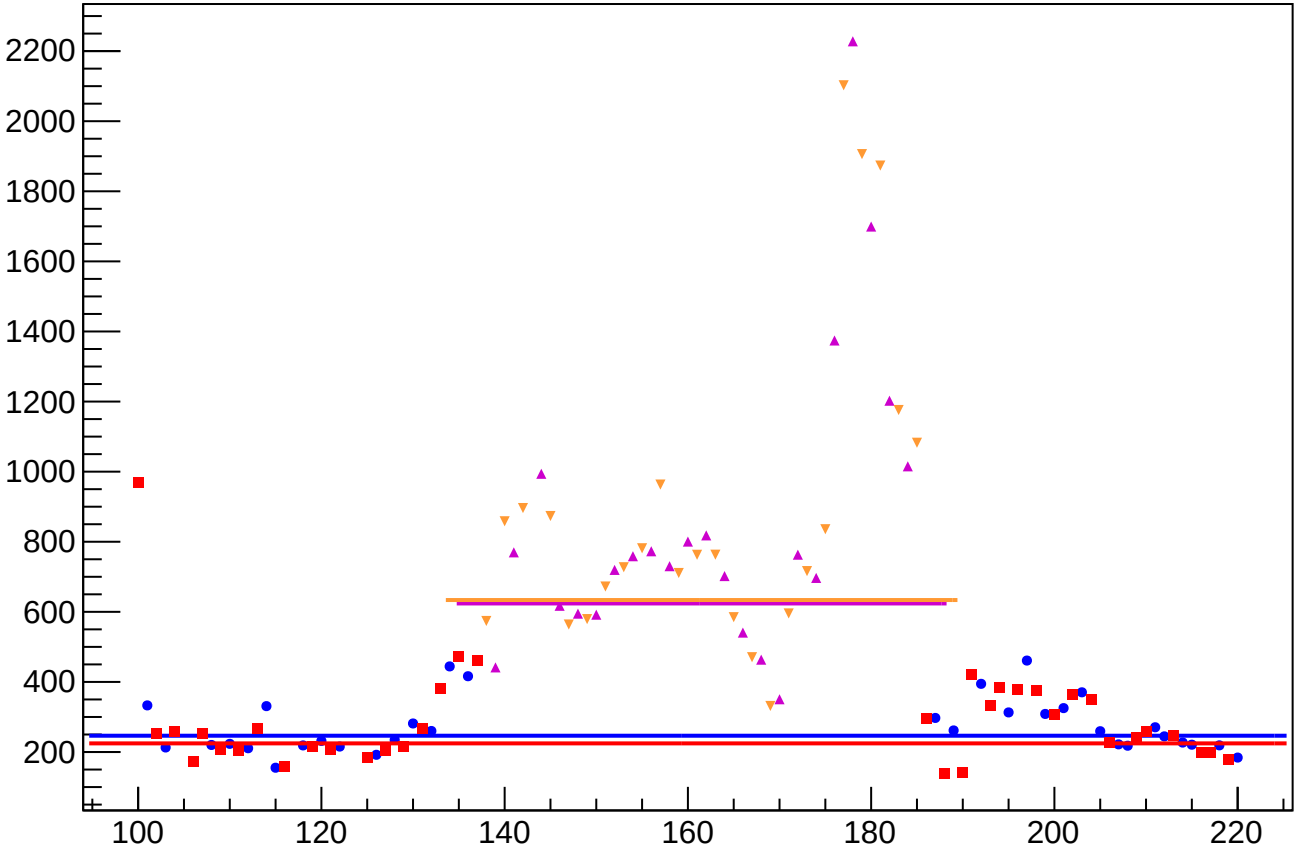
Right In: -0.048+/-0.057 χ²/NDF: 36.4/32
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.094+/-0.053 χ²/NDF: 41.2/35
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.028+/-0.039 χ²/NDF: 81.0/68
In: -0.059+/-0.053 χ²/NDF:63.2/55
Out: 0.076+/-0.050 χ²/NDF:72.6/59
All: 0.013+/-0.037 χ²/NDF: 139.2/115

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 246.516+/-0.040 χ^2/NDF: 2182261.0/32

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 224.659+/-0.037 χ^2/NDF: 3631049.8/35

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

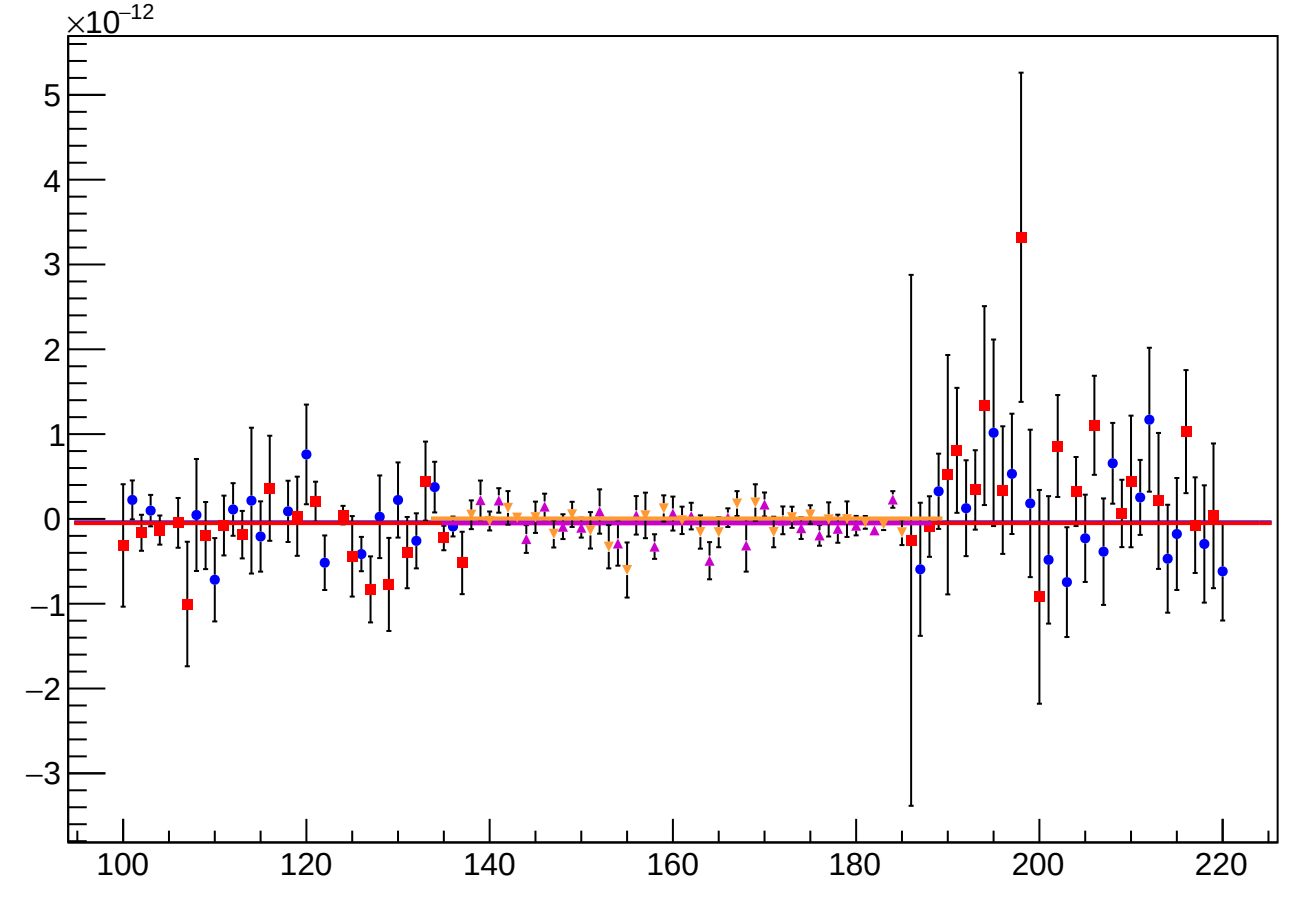
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 234.816+/-0.027 χ^2/NDF: 5972444.4/68

In: 289.463+/-0.038 χ^2/NDF:16809153.8/55

Out: 264.217+/-0.035 χ^2/NDF:20222578.8/59

All: 276.069+/-0.026 χ^2/NDF: 37269151.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/36

Left In: -0.000+/-0.000 χ^2/NDF:33.4/22

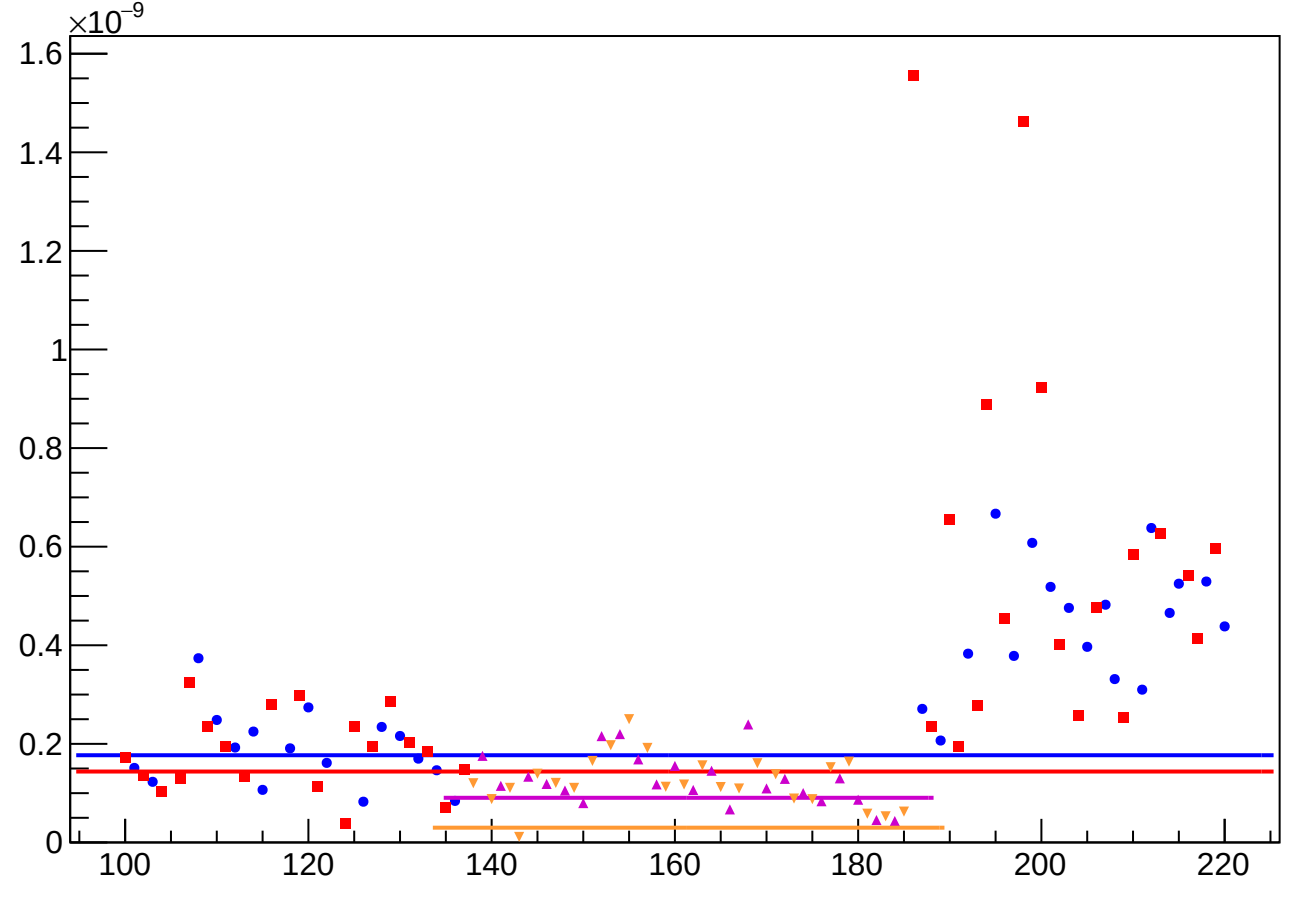
Left: -0.000+/-0.000 χ^2/NDF: 52.5/47

Right: -0.000+/-0.000 χ^2/NDF: 59.6/69

In: -0.000+/-0.000 χ^2/NDF:59.3/55

Out: 0.000+/-0.000 χ^2/NDF:50.4/61

All: -0.000+/-0.000 χ^2/NDF: 113.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 8199952.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11563535.1/36

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

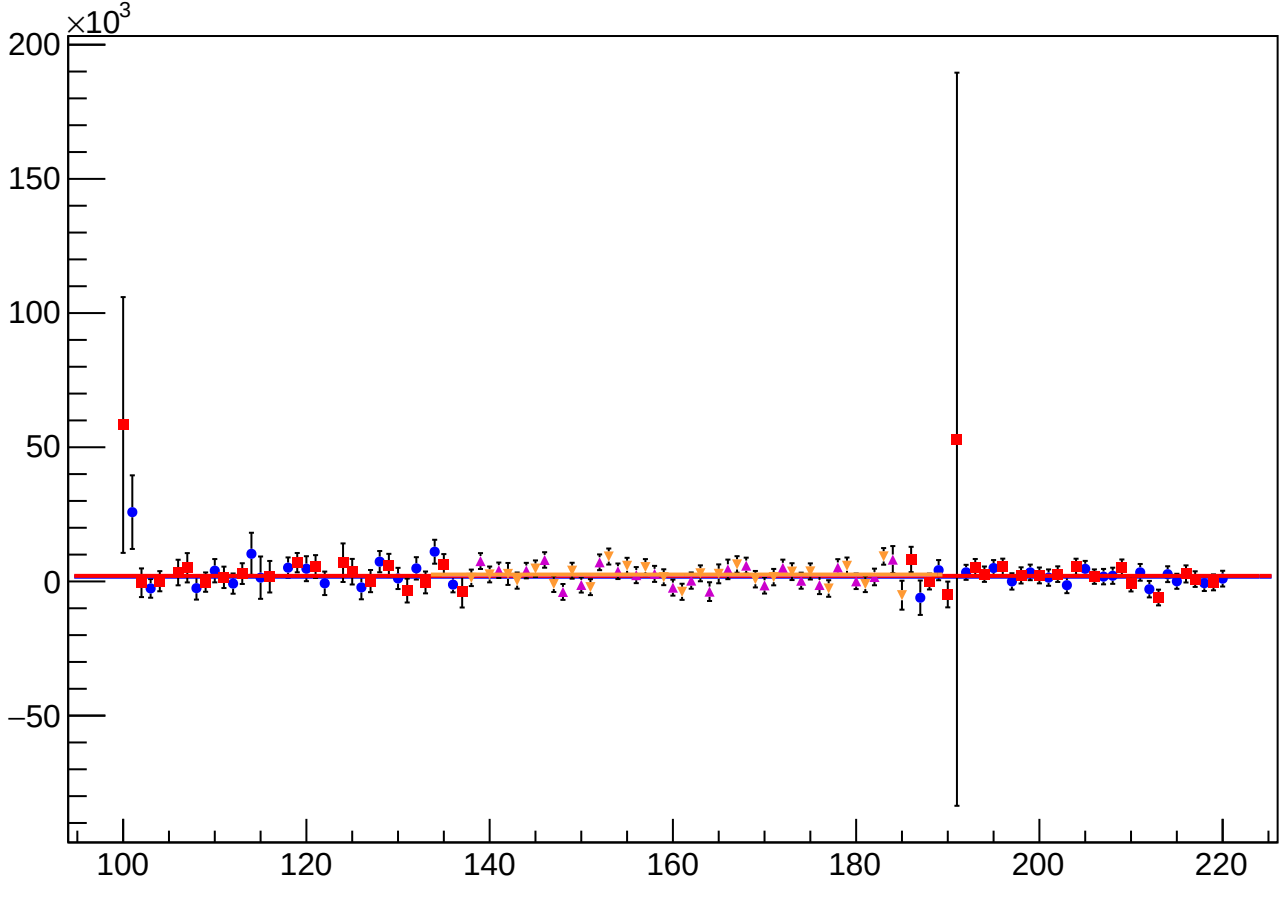
Right: 0.000+/-0.000 χ^2/NDF: 20086113.6/69

In: 0.000+/-0.000 χ^2/NDF:16188121.6/55

Out: 0.000+/-0.000 χ^2/NDF:36963515.3/61

All: 0.000+/-0.000 χ^2/NDF: 64669131.5/117

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1758.809+/-610.041 χ^2/NDF: 27.9/32

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2077.624+/-606.229 χ^2/NDF: 29.2/36

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

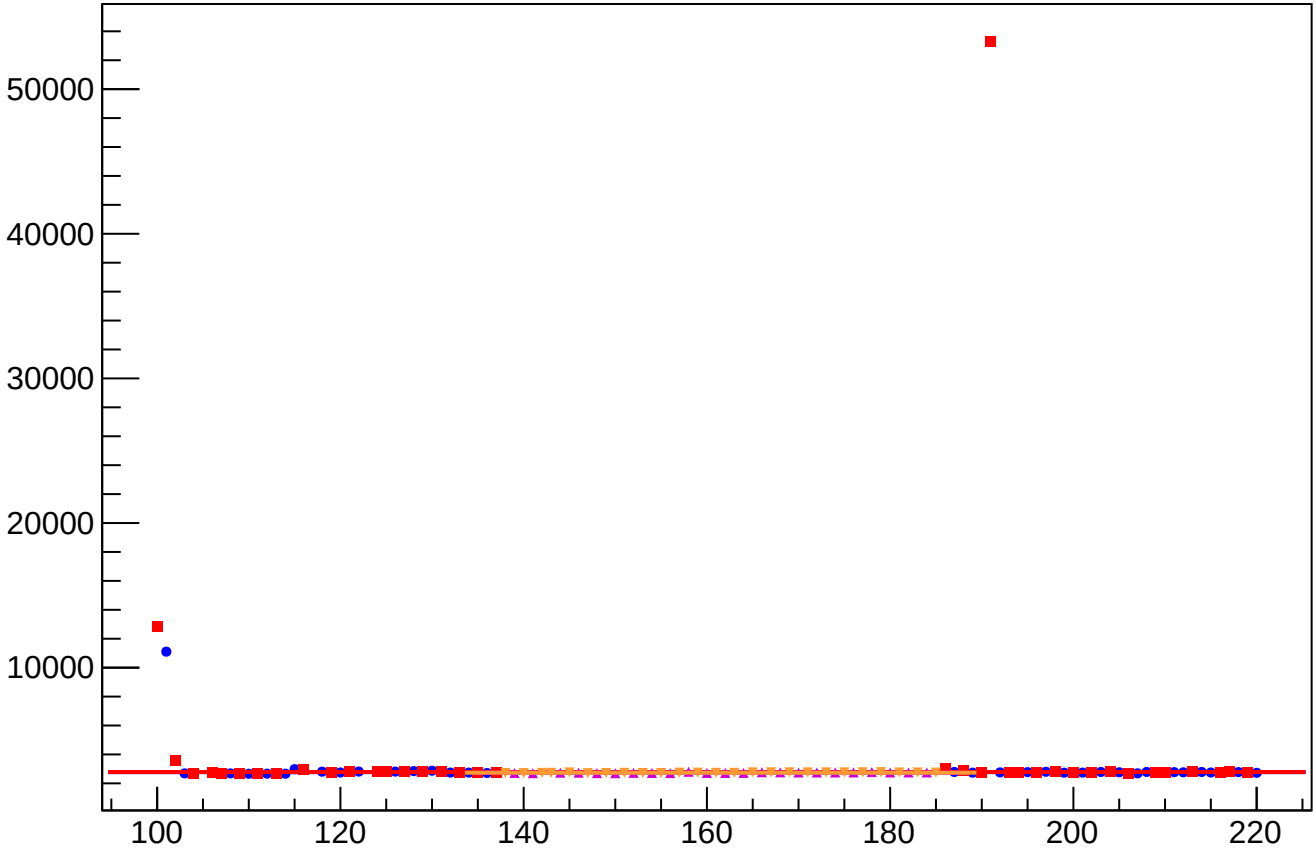
Right: 1919.216+/-430.010 χ^2/NDF: 57.2/69

In: 2068.145+/-441.486 χ^2/NDF:59.8/55

Out: 2311.139+/-434.079 χ^2/NDF:61.1/61

All: 2191.698+/-309.526 χ^2/NDF: 121.0/117

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2775.492+/-0.431 χ^2/NDF: 751267.0/32

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2782.342+/-0.429 χ^2/NDF: 482469.8/36

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

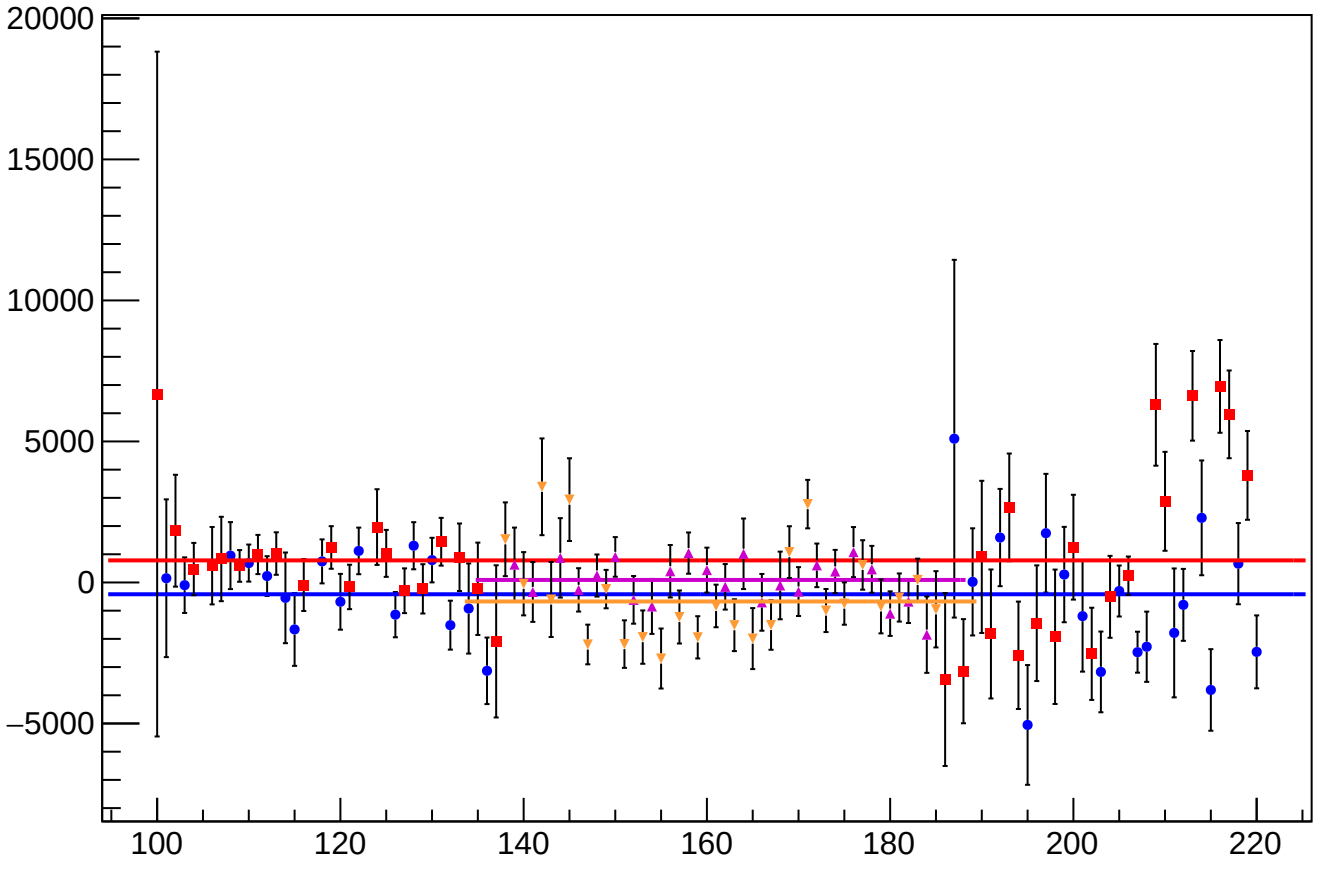
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2778.939+/-0.304 χ^2/NDF: 1233863.6/69

In: 2758.523+/-0.312 χ^2/NDF:757878.1/55

Out: 2760.500+/-0.307 χ^2/NDF:490115.3/61

All: 2759.528+/-0.219 χ^2/NDF: 1248013.8/11



Right In: -418.086+/-192.811 χ^2/NDF: 59.3/32

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 782.691+/-187.133 χ^2/NDF: 80.0/36

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

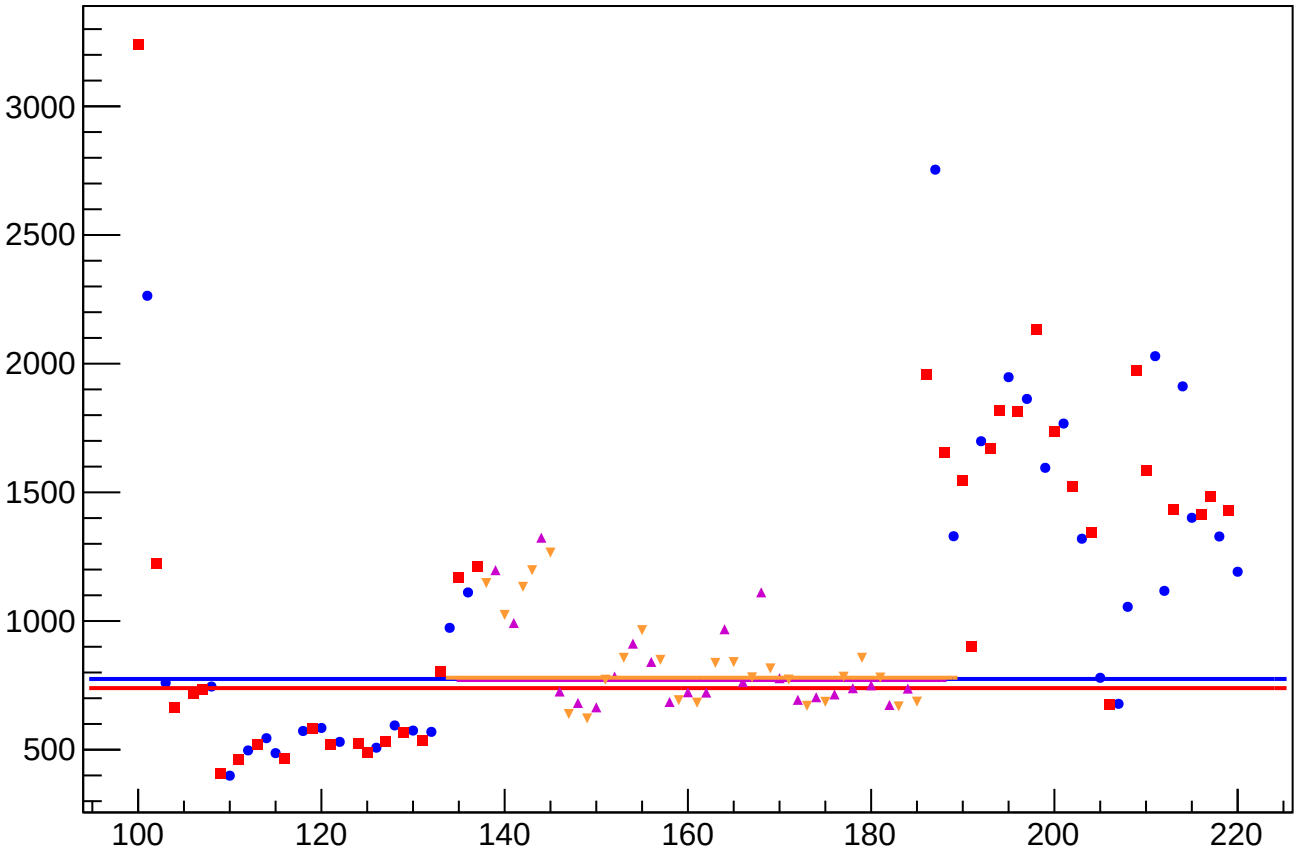
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 200.242+/-134.286 χ^2/NDF: 159.3/69

In: -151.720+/-132.921 χ^2/NDF:77.7/55

Out: 31.167+/-130.186 χ^2/NDF:169.6/61

All: -58.376+/-93.007 χ^2/NDF: 248.3/117



Right In: 774.917+/-0.136 χ^2/NDF: 8548021.3/32

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 739.289+/-0.132 χ^2/NDF: 10007208.0/36

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

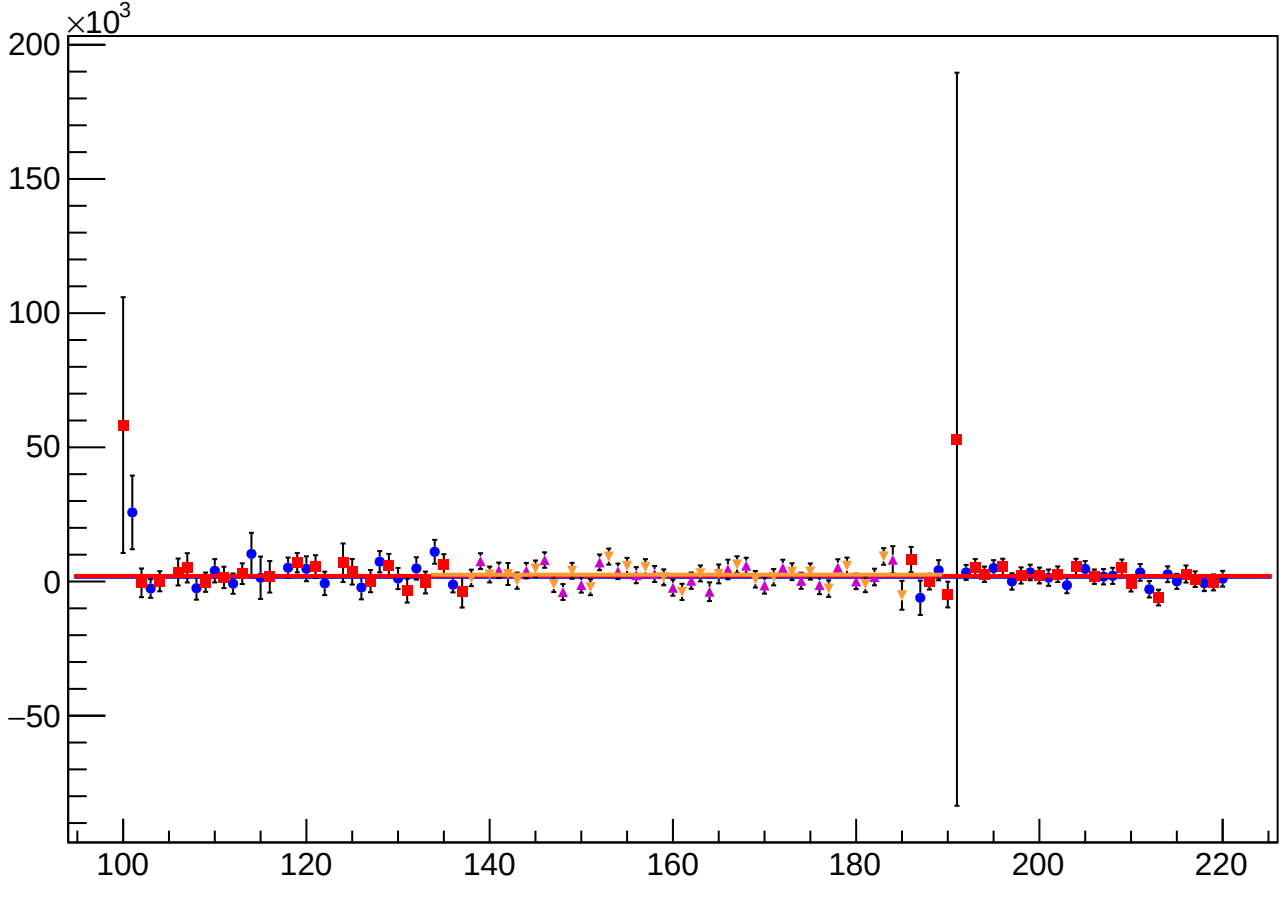
Right: 756.571+/-0.095 χ^2/NDF: 18590392.8/69

In: 772.754+/-0.094 χ^2/NDF:9624855.9/55

Out: 760.150+/-0.092 χ^2/NDF:11299114.1/61

All: 766.321+/-0.066 χ^2/NDF: 20933148.3/11

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1758.444+/-610.041 χ^2/NDF: 27.9/32

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2079.141+/-606.707 χ^2/NDF: 29.2/36

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

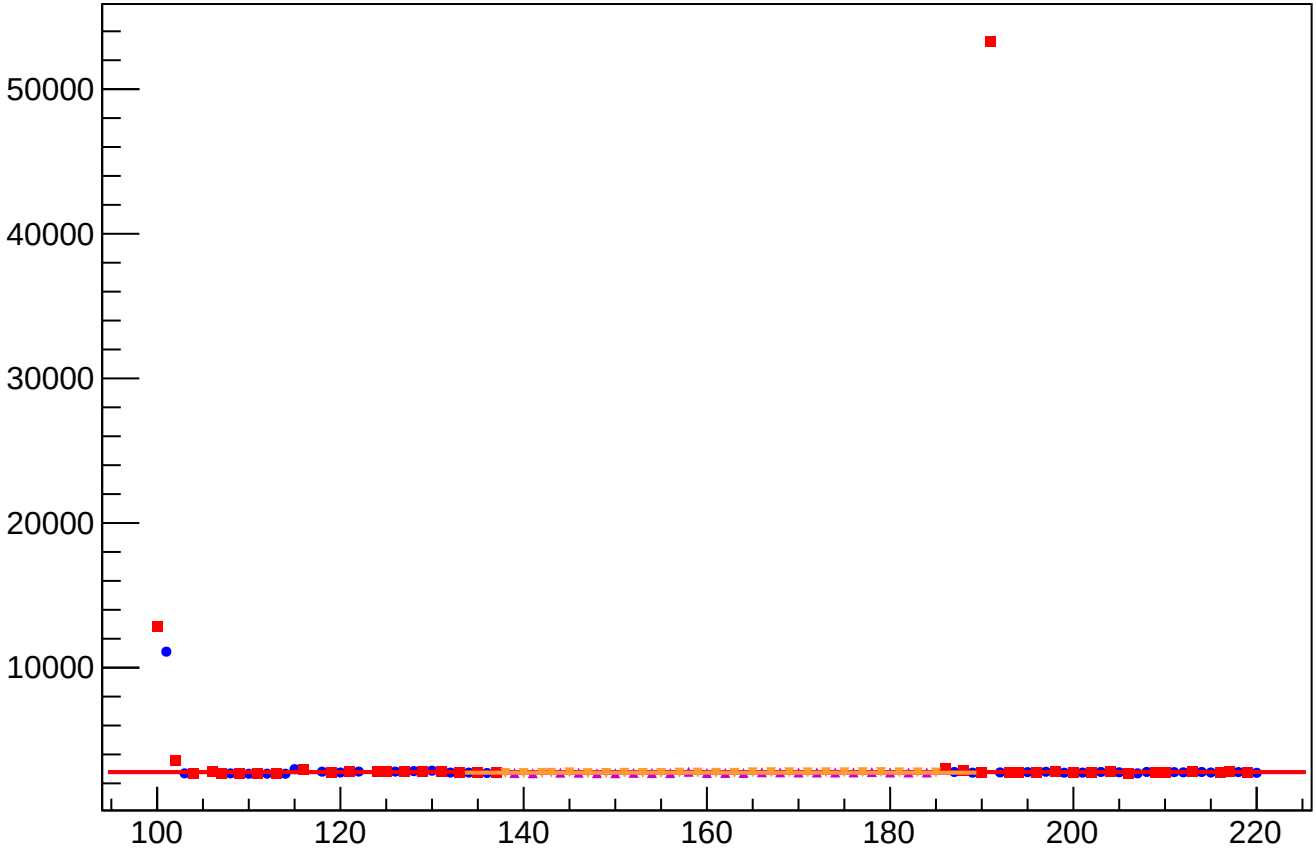
Right: 1919.672+/-430.180 χ^2/NDF: 57.2/69

In: 2068.022+/-441.486 χ^2/NDF:59.8/55

Out: 2312.085+/-434.254 χ^2/NDF:61.1/61

All: 2192.069+/-309.589 χ^2/NDF: 121.0/117

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2775.492+/-0.431 χ^2/NDF: 751266.1/32

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

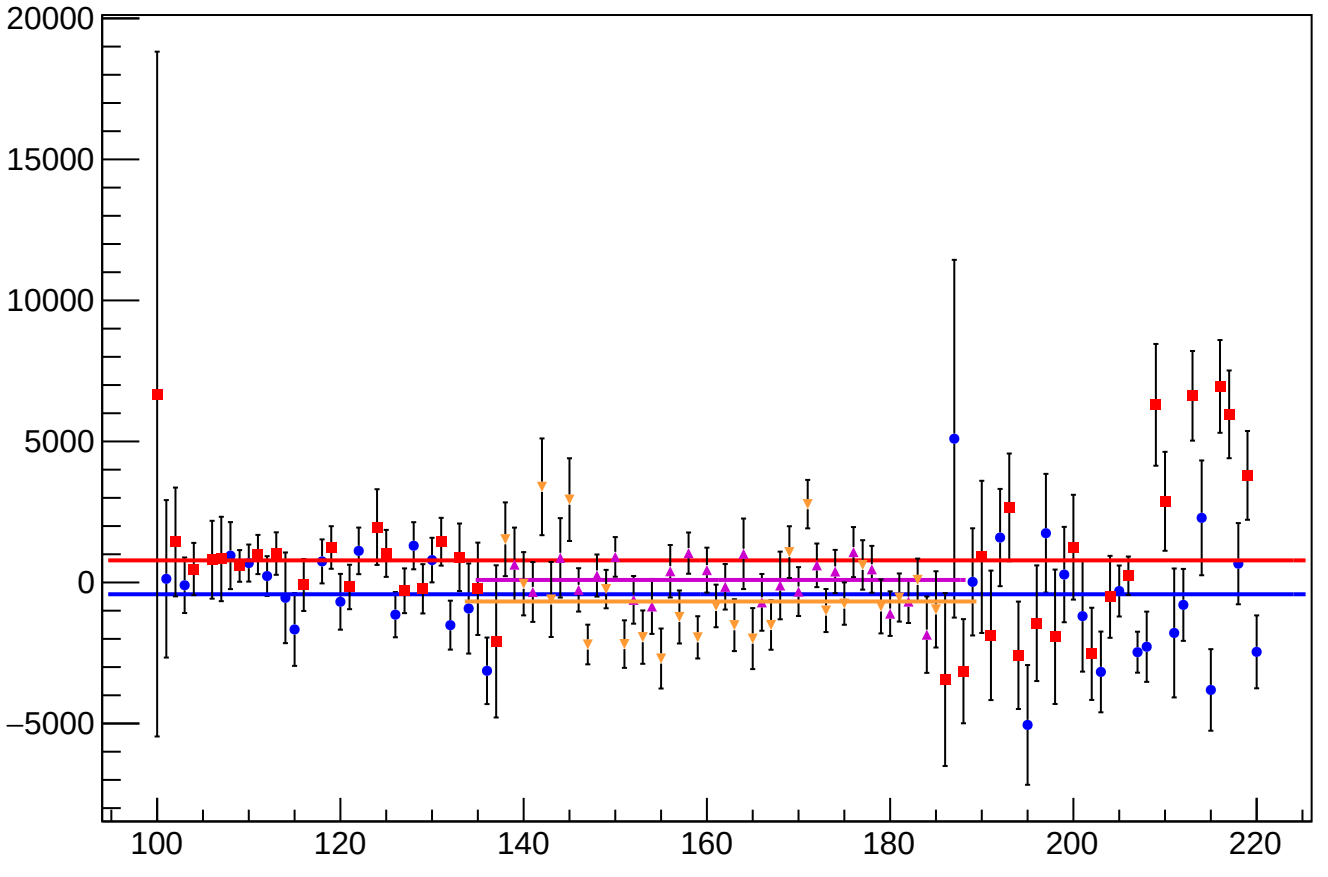
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2779.848+/-0.304 χ^2/NDF: 1233847.7/69

In: 2758.523+/-0.312 χ^2/NDF:757877.2/55

Out: 2761.411+/-0.307 χ^2/NDF:490459.8/61

All: 2759.991+/-0.219 χ^2/NDF: 1248380.5/11



Right In: -418.074+/-192.805 χ^2/NDF: 59.3/32

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 783.323+/-187.109 χ^2/NDF: 79.8/36

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

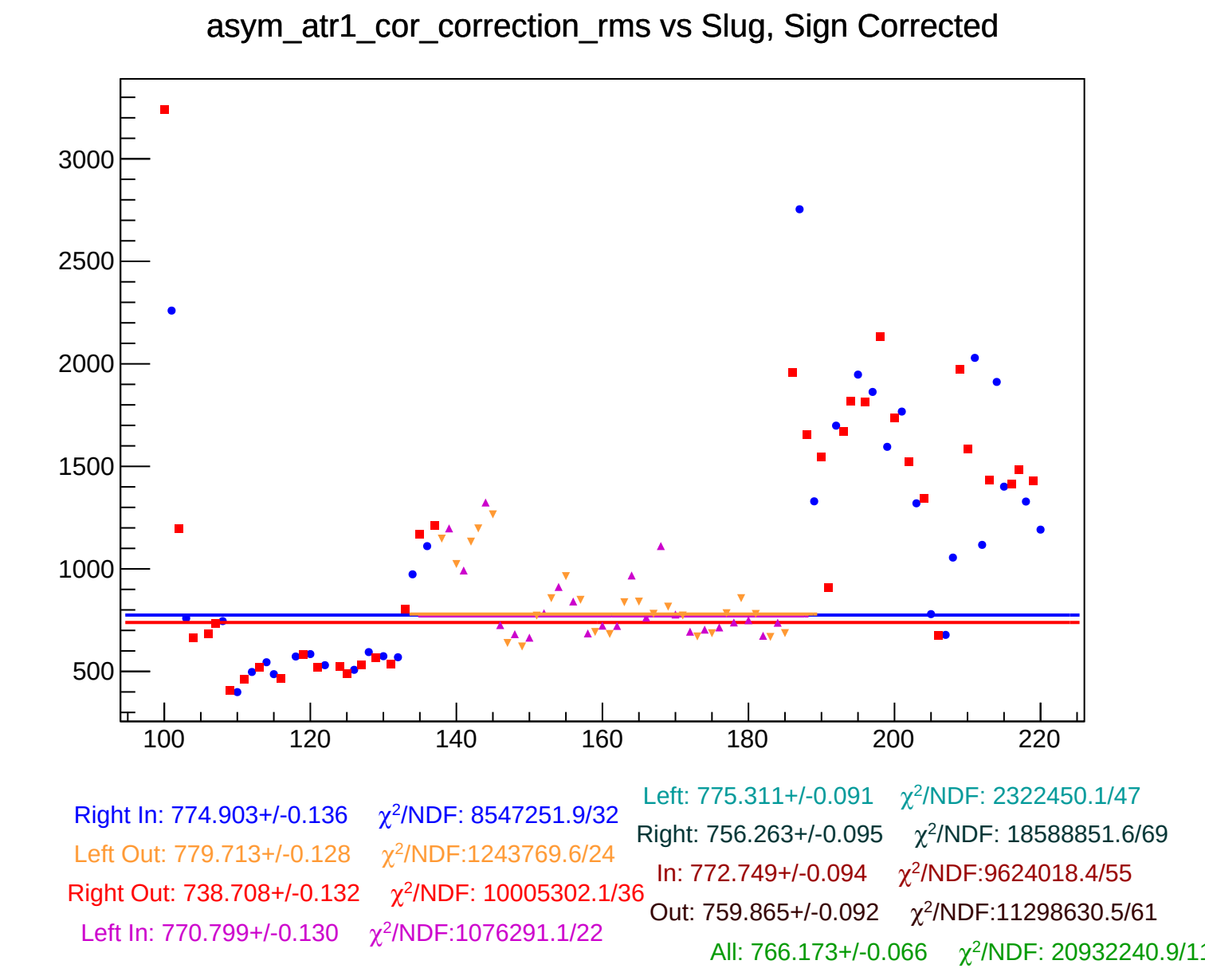
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

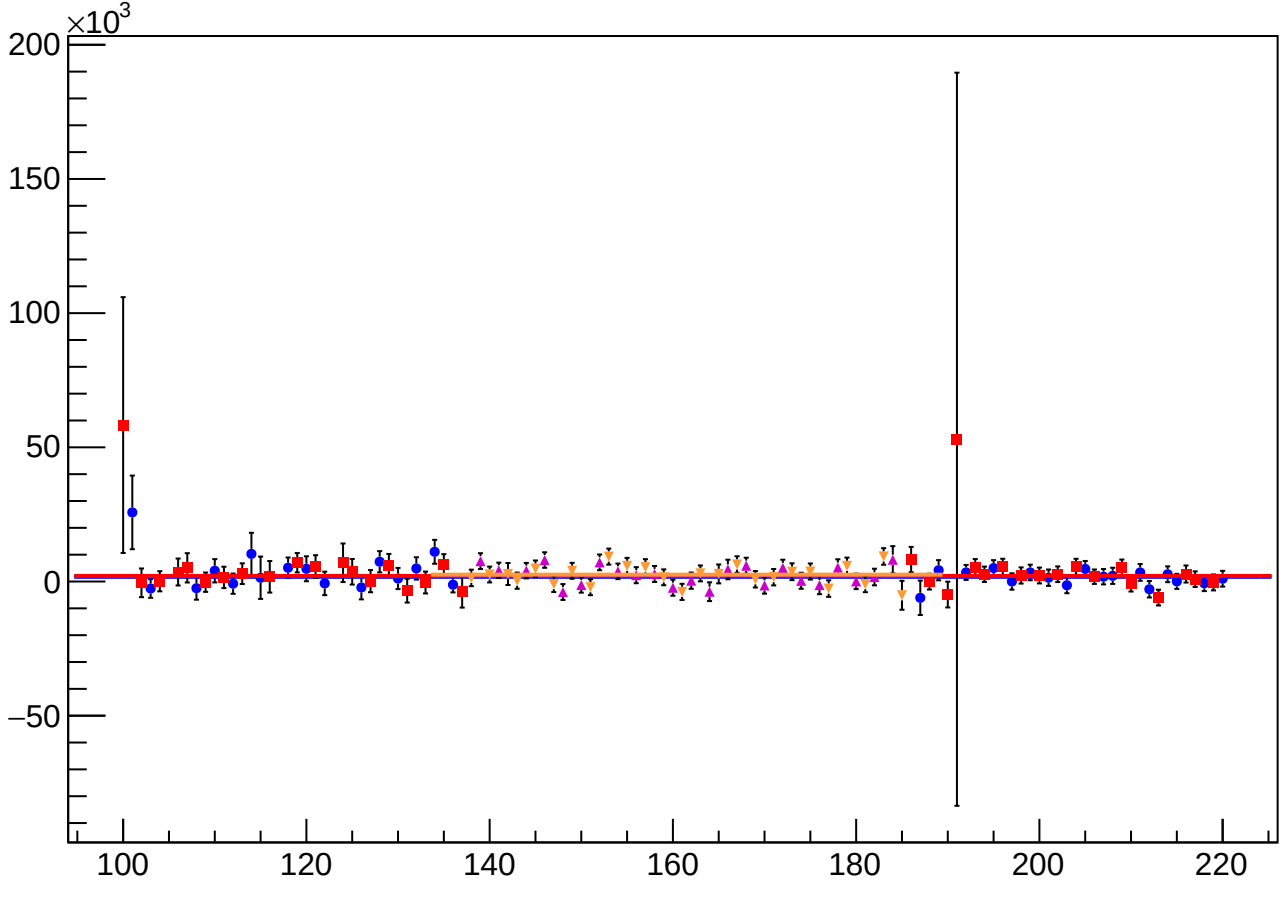
Right: 200.633+/-134.274 χ^2/NDF: 159.1/69

In: -151.658+/-132.919 χ^2/NDF:77.7/55

Out: 31.612+/-130.178 χ^2/NDF:169.5/61

All: -58.114+/-93.004 χ^2/NDF: 248.2/117


asym_atr1_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 774.903+/-0.136 χ²/NDF: 8547251.9/32
Left Out: 779.713+/-0.128 χ²/NDF:1243769.6/24
Right Out: 738.708+/-0.132 χ²/NDF: 10005302.1/36
Left In: 770.799+/-0.130 χ²/NDF:1076291.1/22
Left: 775.311+/-0.091 χ²/NDF: 2322450.1/47
Right: 756.263+/-0.095 χ²/NDF: 18588851.6/69
In: 772.749+/-0.094 χ²/NDF:9624018.4/55
Out: 759.865+/-0.092 χ²/NDF:11298630.5/61
All: 766.173+/-0.066 χ²/NDF: 20932240.9/11



Right In: 1758.444+/-610.041 χ^2/NDF: 27.9/32

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2079.141+/-606.707 χ^2/NDF: 29.2/36

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

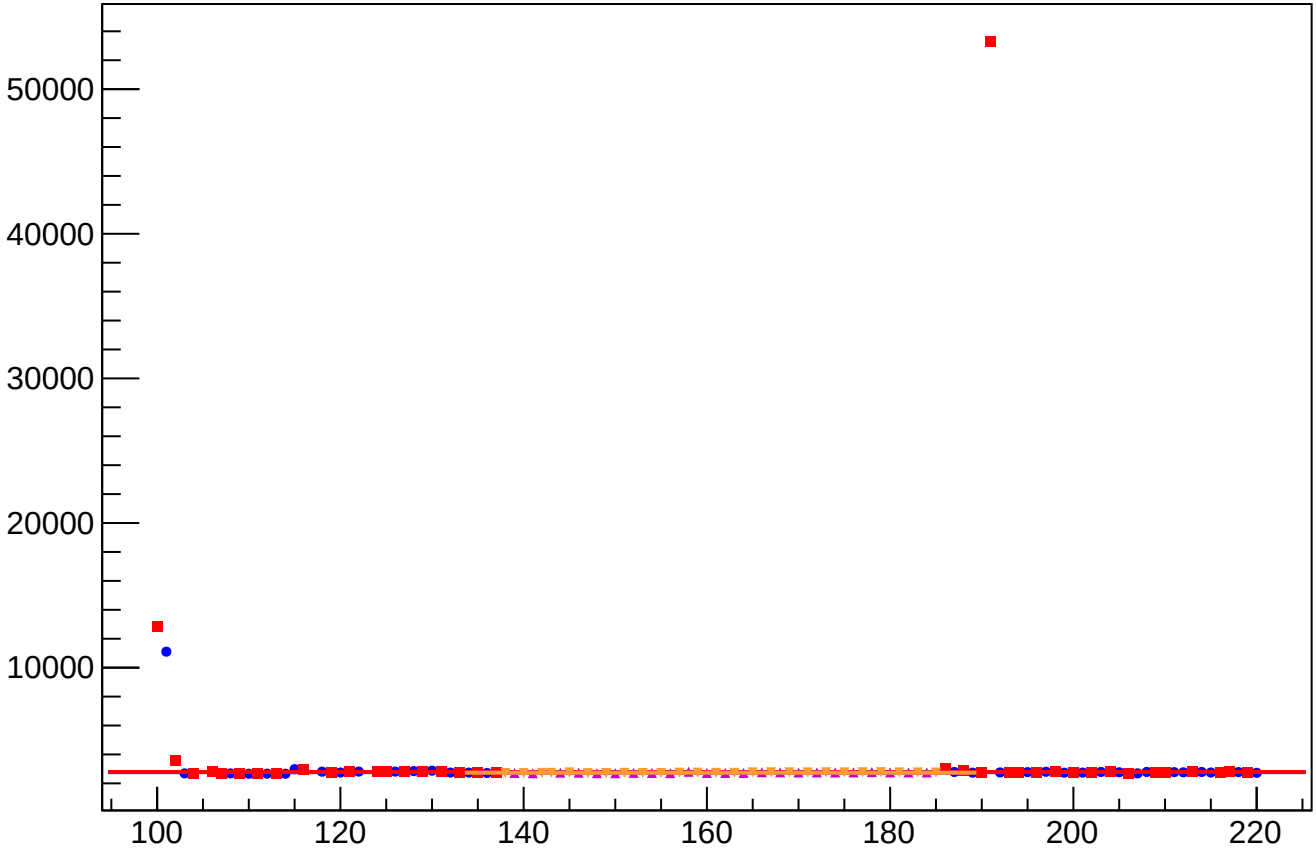
Right: 1919.672+/-430.180 χ^2/NDF: 57.2/69

In: 2068.022+/-441.486 χ^2/NDF:59.8/55

Out: 2312.085+/-434.254 χ^2/NDF:61.1/61

All: 2192.069+/-309.589 χ^2/NDF: 121.0/117

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2775.492+/-0.431 χ^2/NDF: 751266.1/32

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

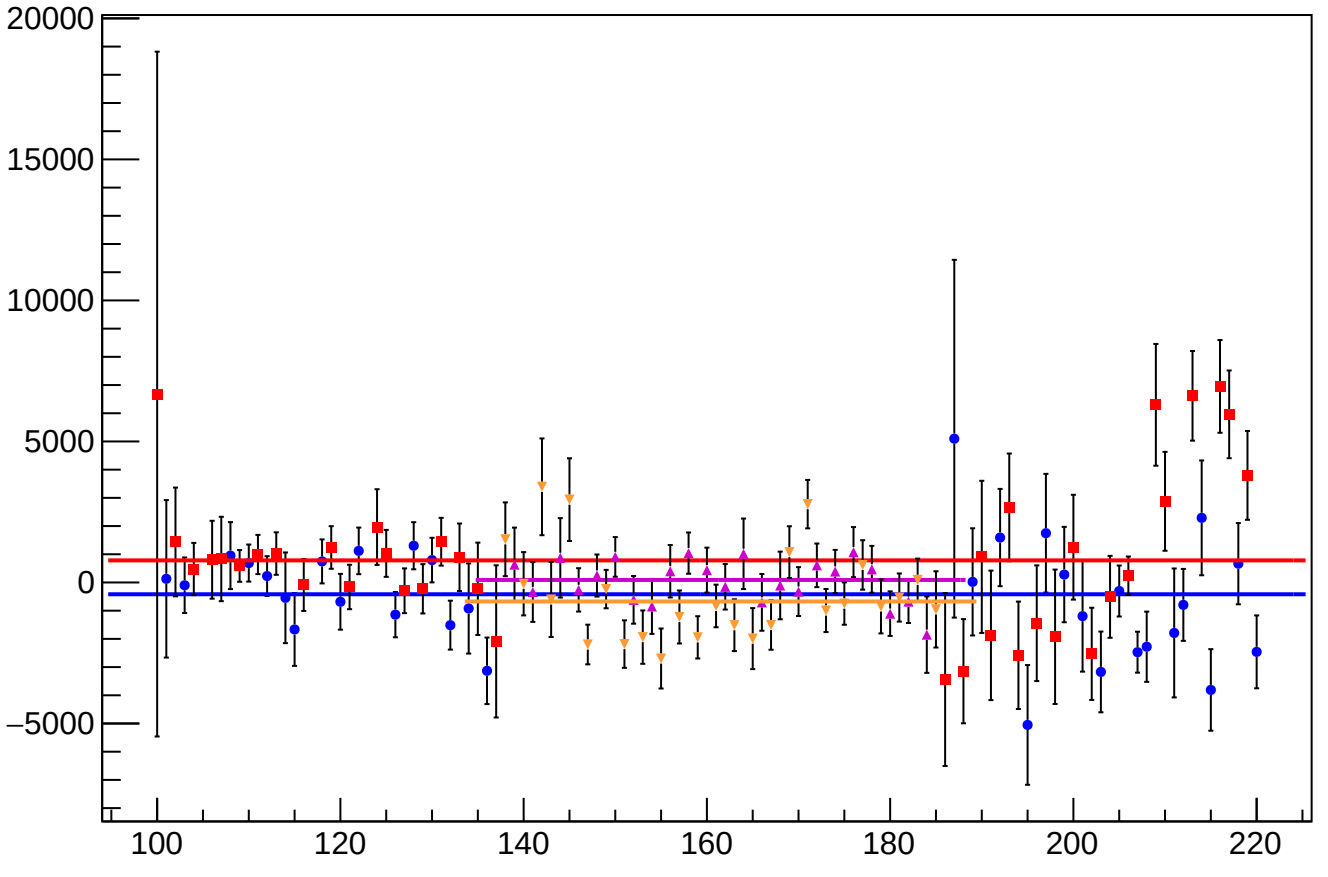
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2779.848+/-0.304 χ^2/NDF: 1233847.7/69

In: 2758.523+/-0.312 χ^2/NDF:757877.2/55

Out: 2761.411+/-0.307 χ^2/NDF:490459.8/61

All: 2759.991+/-0.219 χ^2/NDF: 1248380.5/11



Right In: -418.074+/-192.805 χ^2/NDF: 59.3/32

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 783.323+/-187.109 χ^2/NDF: 79.8/36

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

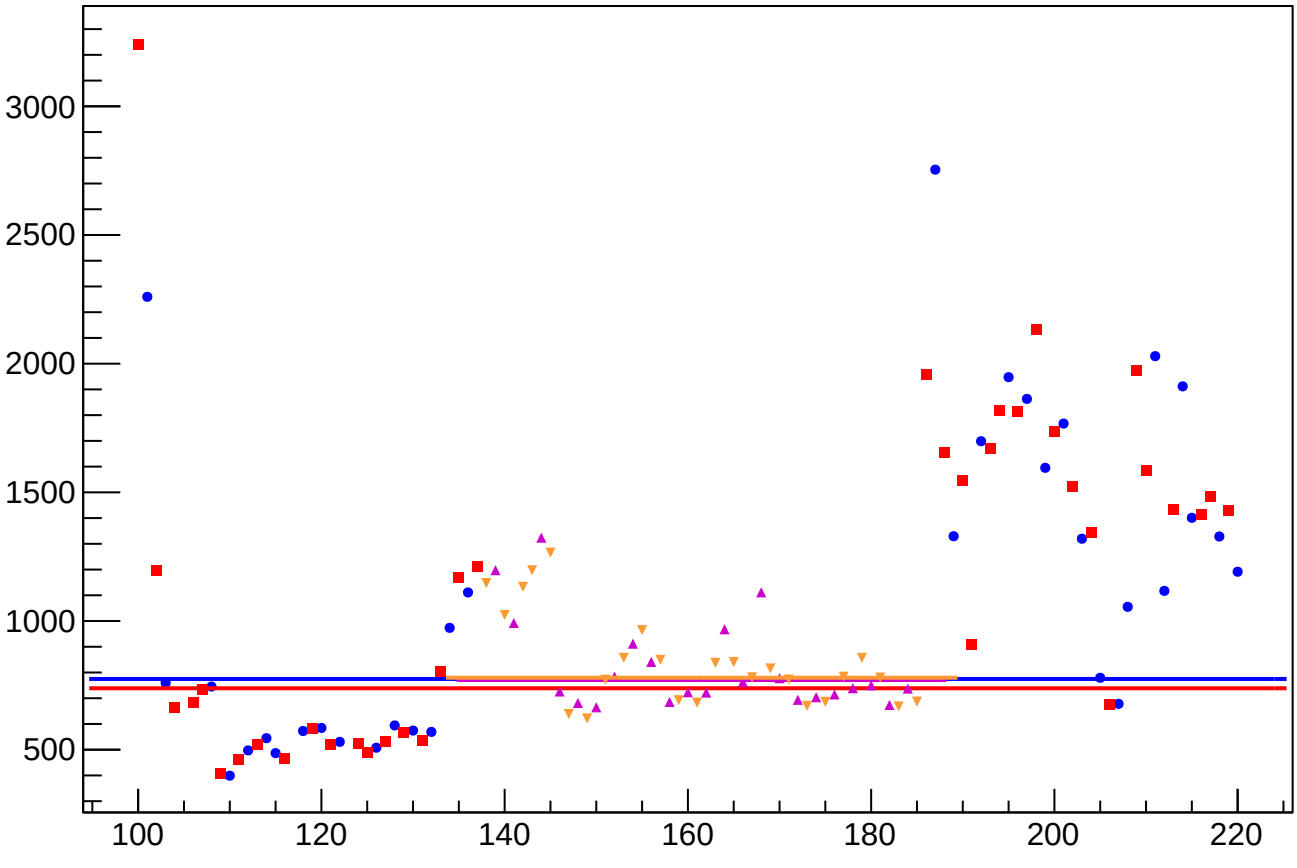
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 200.633+/-134.274 χ^2/NDF: 159.1/69

In: -151.658+/-132.919 χ^2/NDF:77.7/55

Out: 31.612+/-130.178 χ^2/NDF:169.5/61

All: -58.114+/-93.004 χ^2/NDF: 248.2/117



Right In: 774.903+/-0.136 χ^2/NDF: 8547251.9/32

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 738.708+/-0.132 χ^2/NDF: 10005302.1/36

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

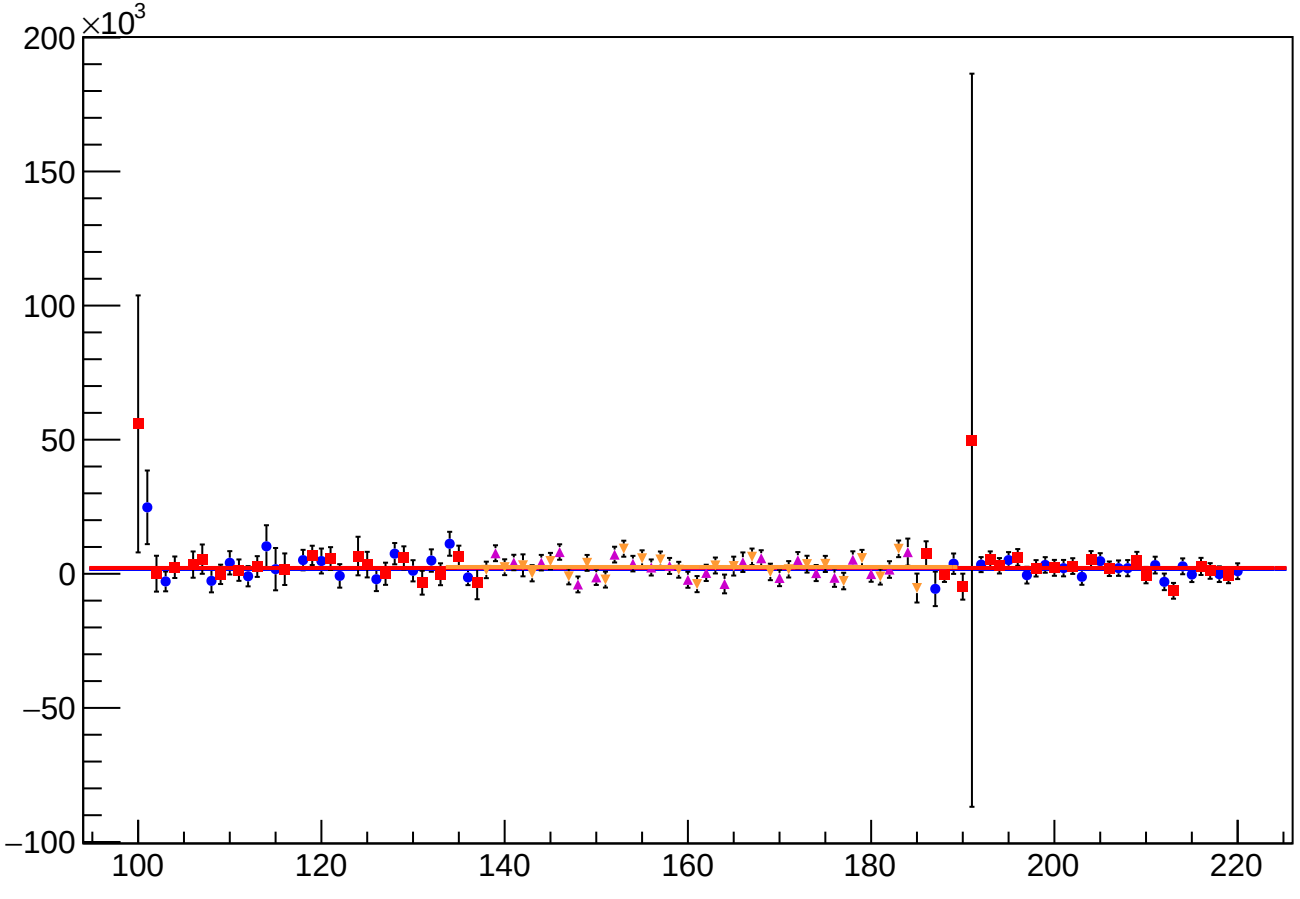
Right: 756.263+/-0.095 χ^2/NDF: 18588851.6/69

In: 772.749+/-0.094 χ^2/NDF:9624018.4/55

Out: 759.865+/-0.092 χ^2/NDF:11298630.5/61

All: 766.173+/-0.066 χ^2/NDF: 20932240.9/1

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1795.945+/-612.923 χ^2/NDF: 27.7/32

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2176.745+/-610.900 χ^2/NDF: 29.1/36

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

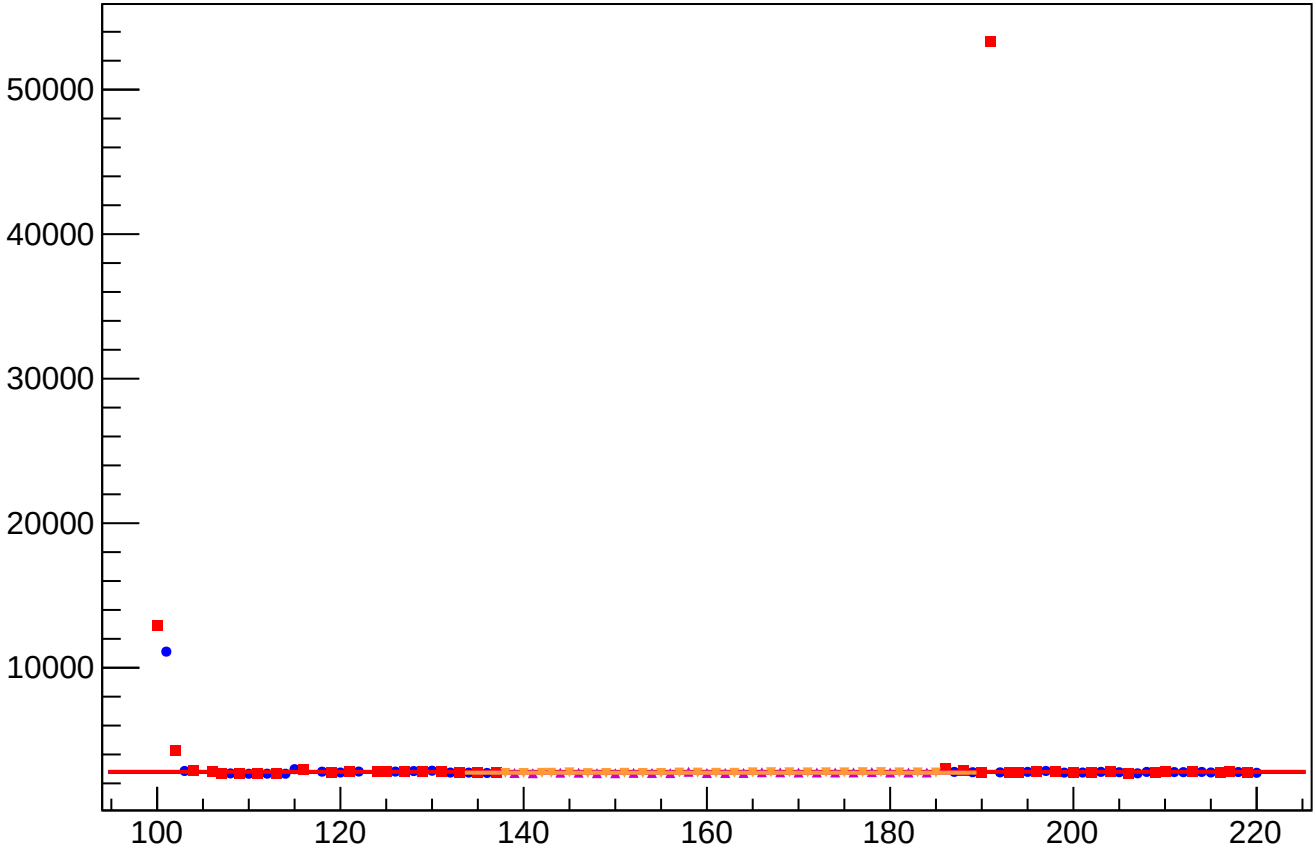
Right: 1986.974+/-432.685 χ^2/NDF: 57.0/69

In: 2088.165+/-442.693 χ^2/NDF:60.0/55

Out: 2357.509+/-435.924 χ^2/NDF:61.2/61

All: 2224.912+/-310.610 χ^2/NDF: 121.4/117

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2788.464+/-0.433 χ^2/NDF: 751327.7/32

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2798.696+/-0.432 χ^2/NDF: 536503.5/36

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

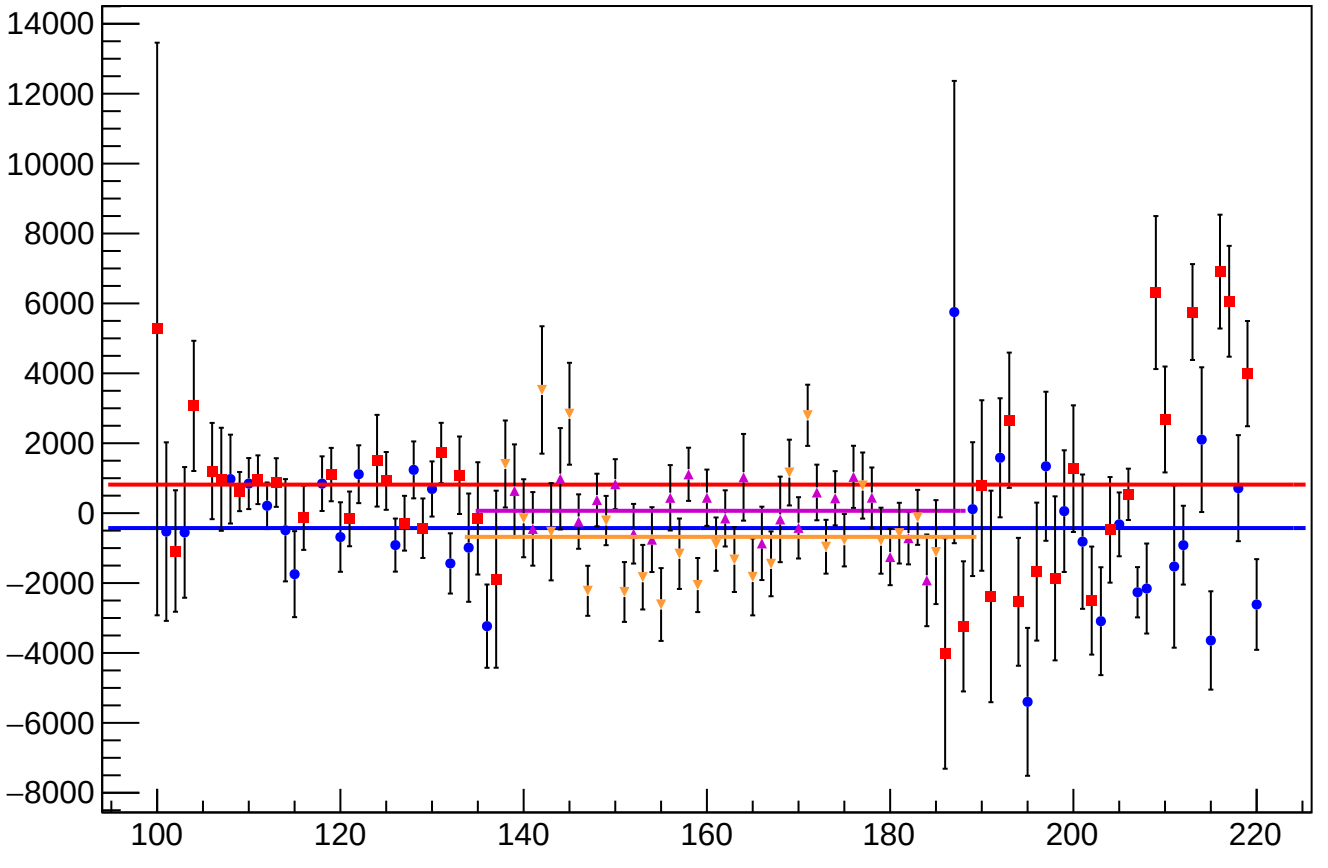
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2793.597+/-0.306 χ^2/NDF: 1288110.7/69

In: 2765.947+/-0.313 χ^2/NDF:760340.1/55

Out: 2769.546+/-0.308 χ^2/NDF:548103.8/61

All: 2767.774+/-0.220 χ^2/NDF: 1308511.0/11



Right In: -426.942+/-194.942 χ^2/NDF: 56.7/32

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 816.398+/-188.022 χ^2/NDF: 84.0/36

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

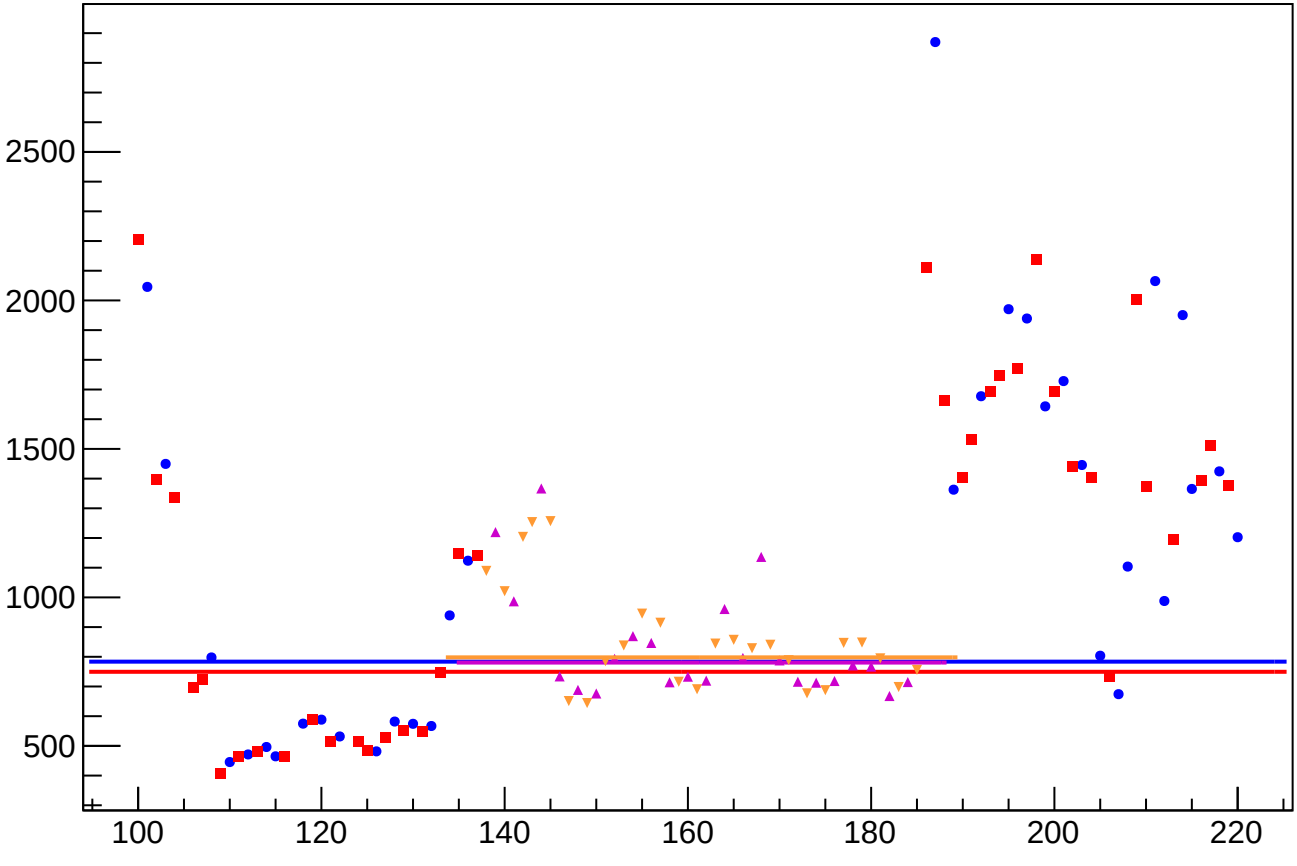
Right: 217.189+/-135.332 χ^2/NDF: 161.7/69

In: -167.552+/-134.358 χ^2/NDF:75.9/55

Out: 56.997+/-131.872 χ^2/NDF:172.3/61

All: -53.181+/-94.114 χ^2/NDF: 249.6/117

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 783.642+/-0.138 χ^2/NDF: 8994181.9/32

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 749.467+/-0.133 χ^2/NDF: 10251544.3/36

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

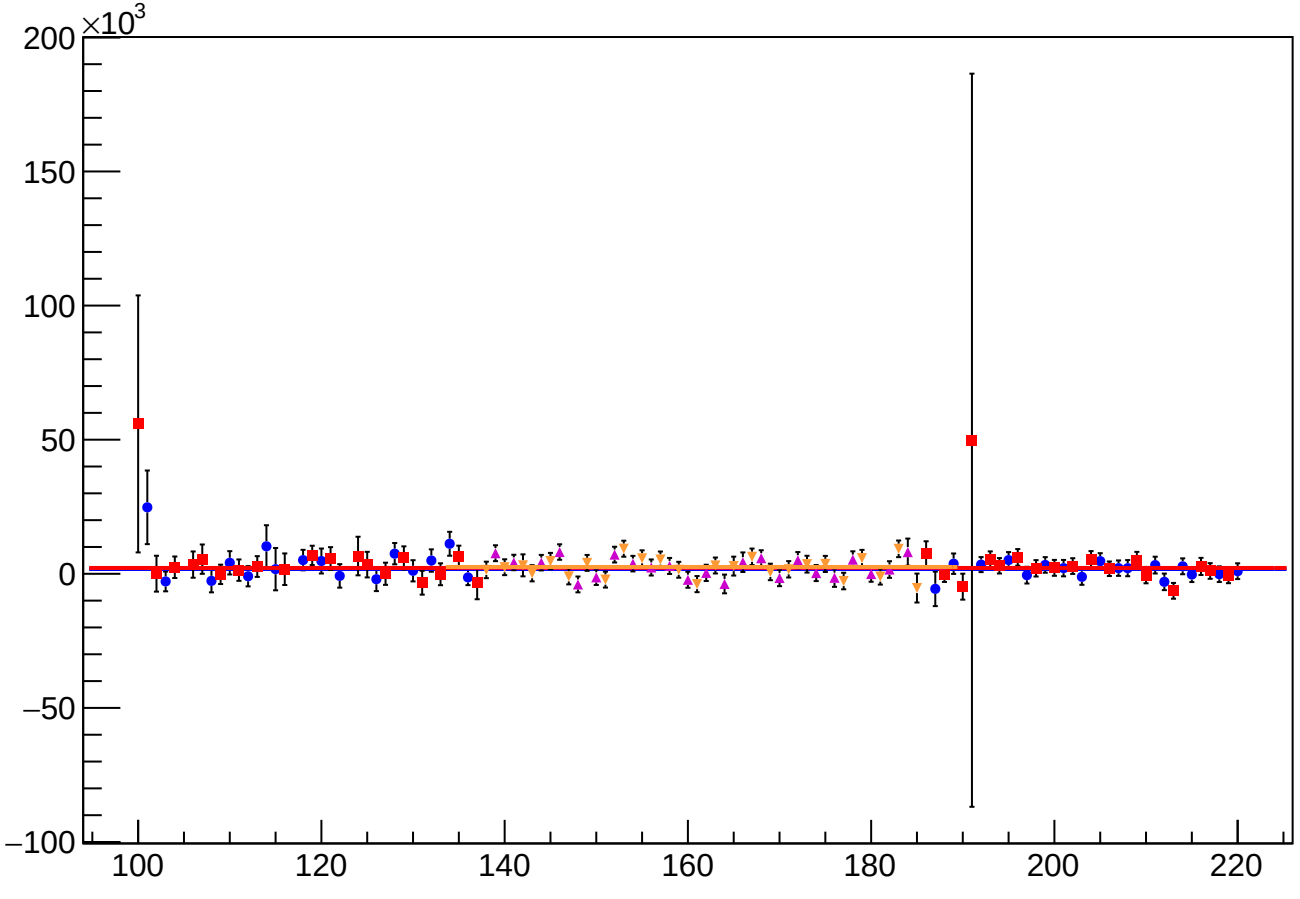
Right: 765.937+/-0.096 χ^2/NDF: 19277569.2/69

In: 782.006+/-0.095 χ^2/NDF:10059277.8/55

Out: 774.173+/-0.093 χ^2/NDF:11487856.8/61

All: 778.016+/-0.067 χ^2/NDF: 21550597.1/11

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1795.947+/-612.923 χ^2/NDF: 27.7/32

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2176.741+/-610.900 χ^2/NDF: 29.1/36

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

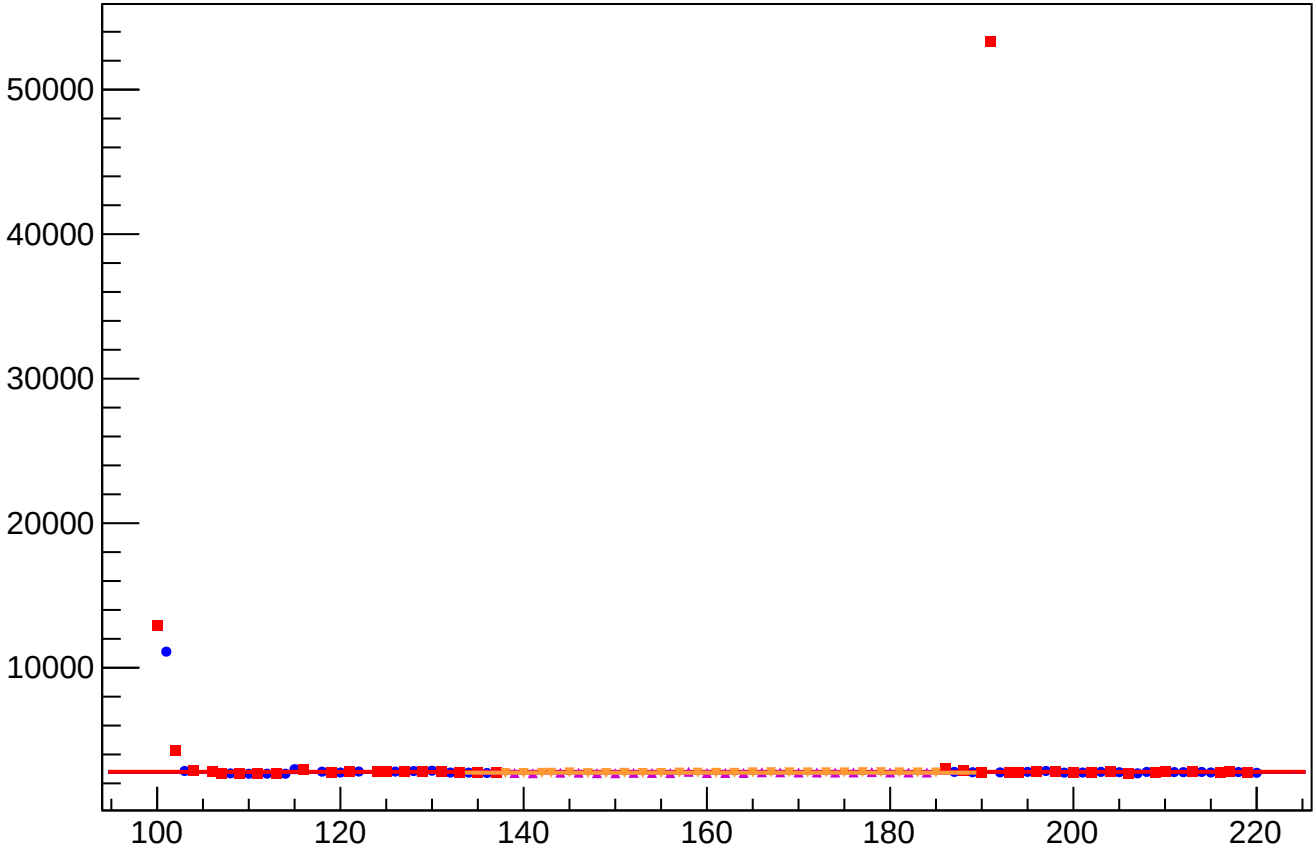
Right: 1986.973+/-432.685 χ^2/NDF: 57.0/69

In: 2088.166+/-442.693 χ^2/NDF:60.0/55

Out: 2357.507+/-435.924 χ^2/NDF:61.2/61

All: 2224.911+/-310.610 χ^2/NDF: 121.4/117

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2788.464+/-0.433 χ^2/NDF: 751327.7/32

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2798.696+/-0.432 χ^2/NDF: 536503.3/36

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

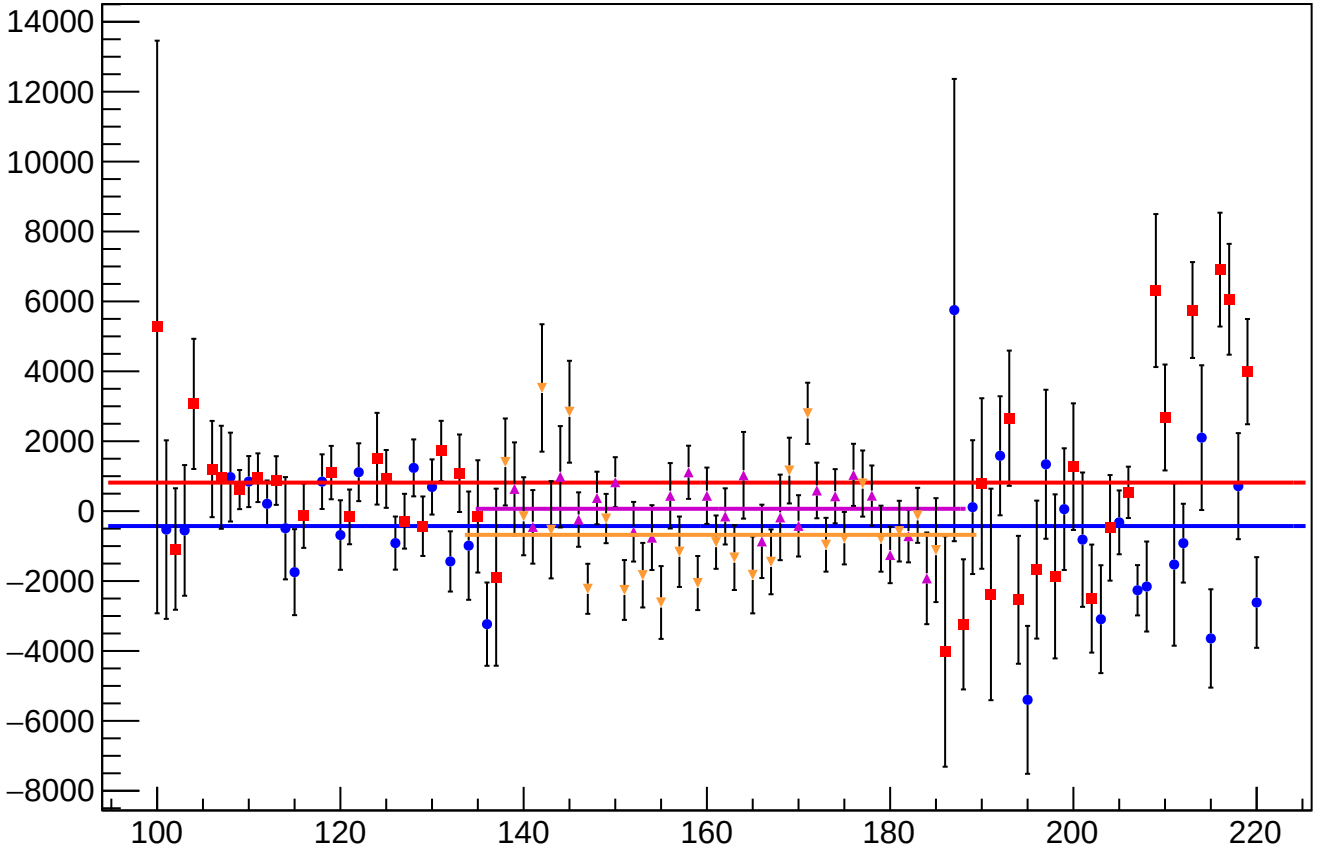
Right: 2793.597+/-0.306 χ^2/NDF: 1288110.5/69

In: 2765.947+/-0.313 χ^2/NDF:760340.1/55

Out: 2769.546+/-0.308 χ^2/NDF:548103.6/61

All: 2767.774+/-0.220 χ^2/NDF: 1308510.8/11

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -426.941+/-194.942 χ^2/NDF: 56.7/32

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 816.397+/-188.022 χ^2/NDF: 84.0/36

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

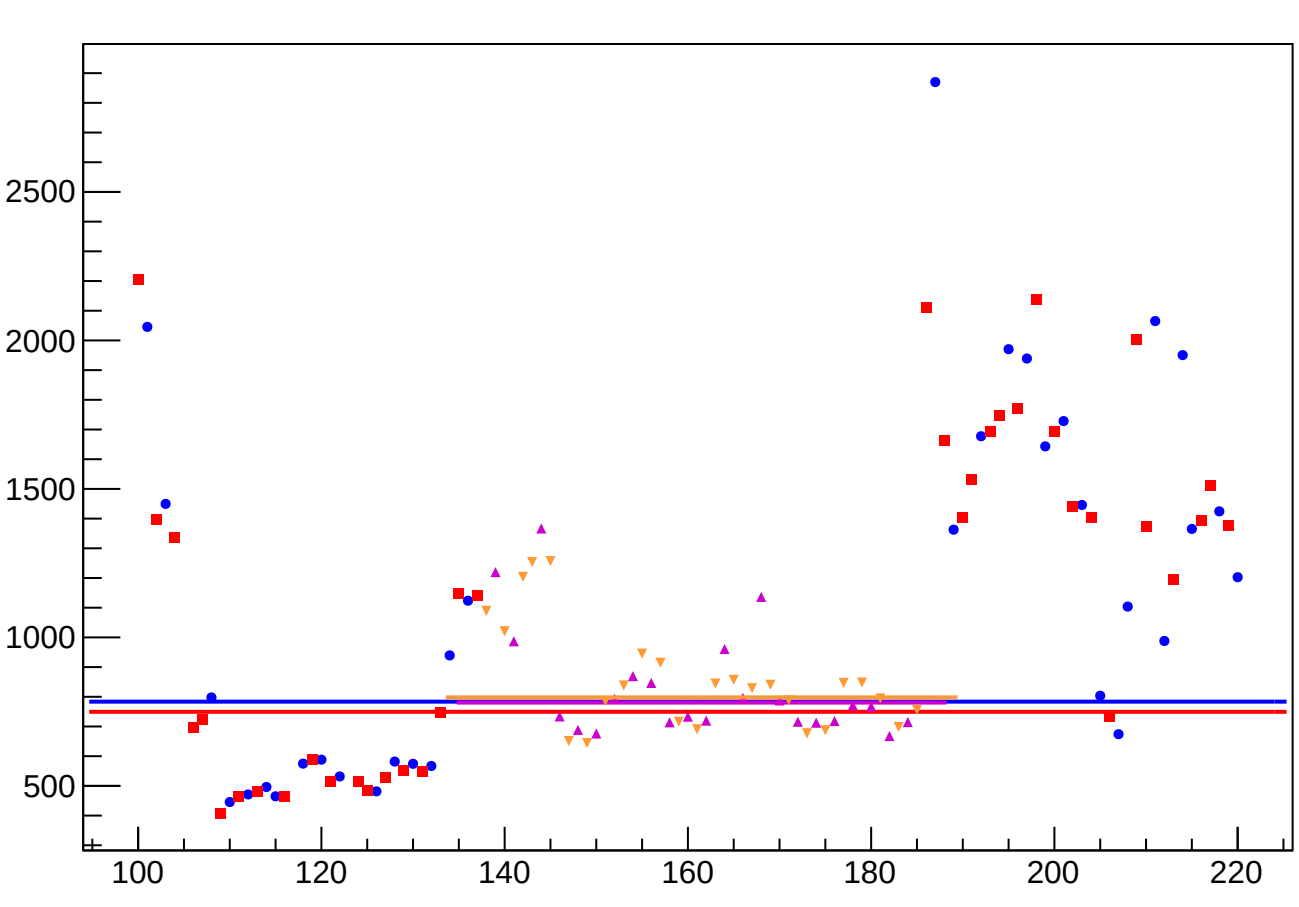
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 217.189+/-135.332 χ^2/NDF: 161.7/69

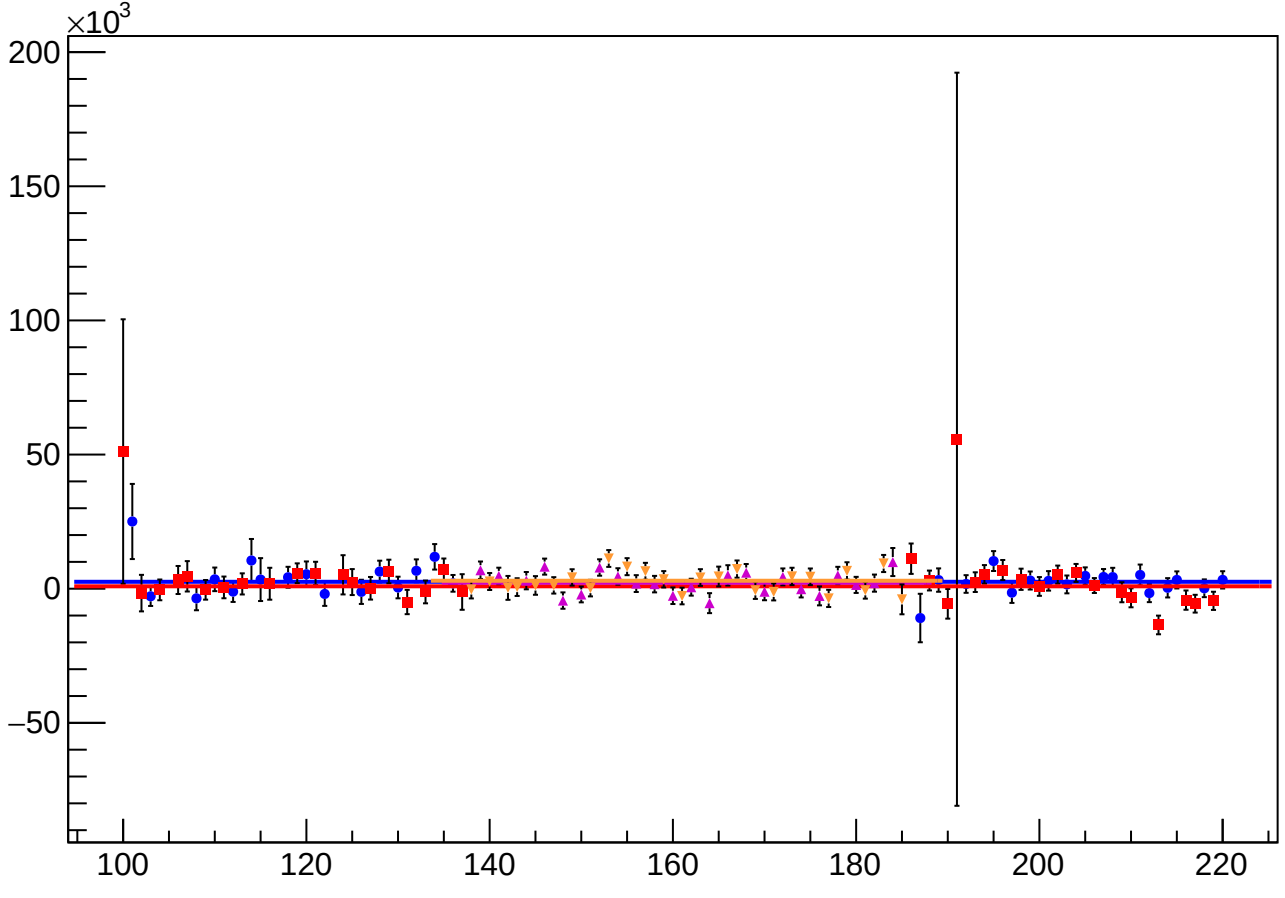
In: -167.551+/-134.358 χ^2/NDF:75.9/55

Out: 56.995+/-131.872 χ^2/NDF:172.3/61

All: -53.181+/-94.114 χ^2/NDF: 249.6/117


asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 783.643+/-0.138 χ²/NDF: 8994187.6/32
Left Out: 798.092+/-0.131 χ²/NDF:1168353.9/24
Right Out: 749.468+/-0.133 χ²/NDF: 10251558.8/36
Left In: 780.525+/-0.131 χ²/NDF:1064830.7/22
Left: 789.329+/-0.093 χ²/NDF: 2242179.2/47
Right: 765.938+/-0.096 χ²/NDF: 19277590.0/69
In: 782.006+/-0.095 χ²/NDF:10059286.7/55
Out: 774.173+/-0.093 χ²/NDF:11487872.8/61
All: 778.016+/-0.067 χ²/NDF: 21550622.0/11

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2577.935+/-676.493 χ^2/NDF: 28.9/32

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 895.953+/-678.275 χ^2/NDF: 52.7/36

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

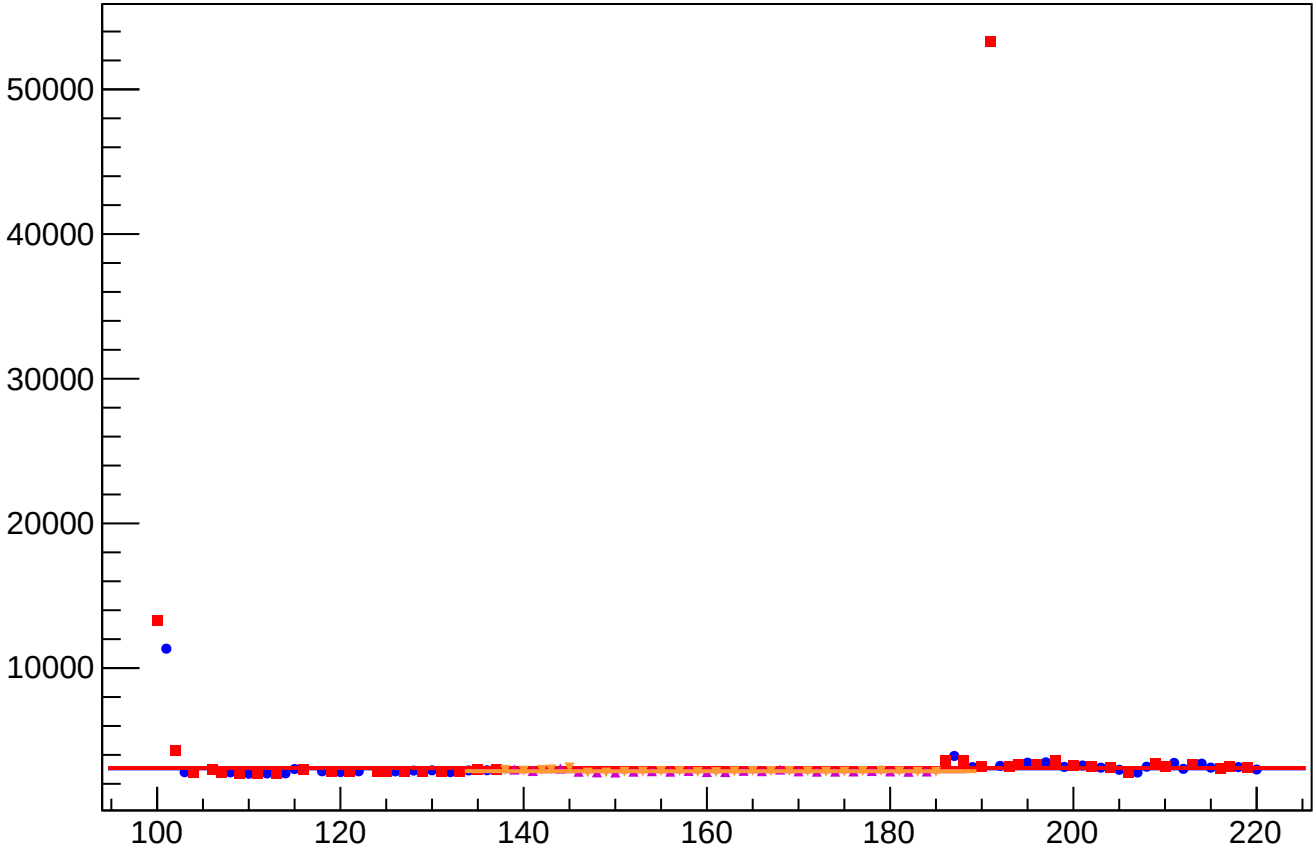
Right: 1739.157+/-478.981 χ^2/NDF: 84.7/69

In: 2406.157+/-476.158 χ^2/NDF:62.8/55

Out: 1971.542+/-470.529 χ^2/NDF:93.3/61

All: 2186.265+/-334.687 χ^2/NDF: 156.5/117

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3068.194+/-0.478 χ^2/NDF: 929500.5/32

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3094.480+/-0.480 χ^2/NDF: 763072.1/36

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

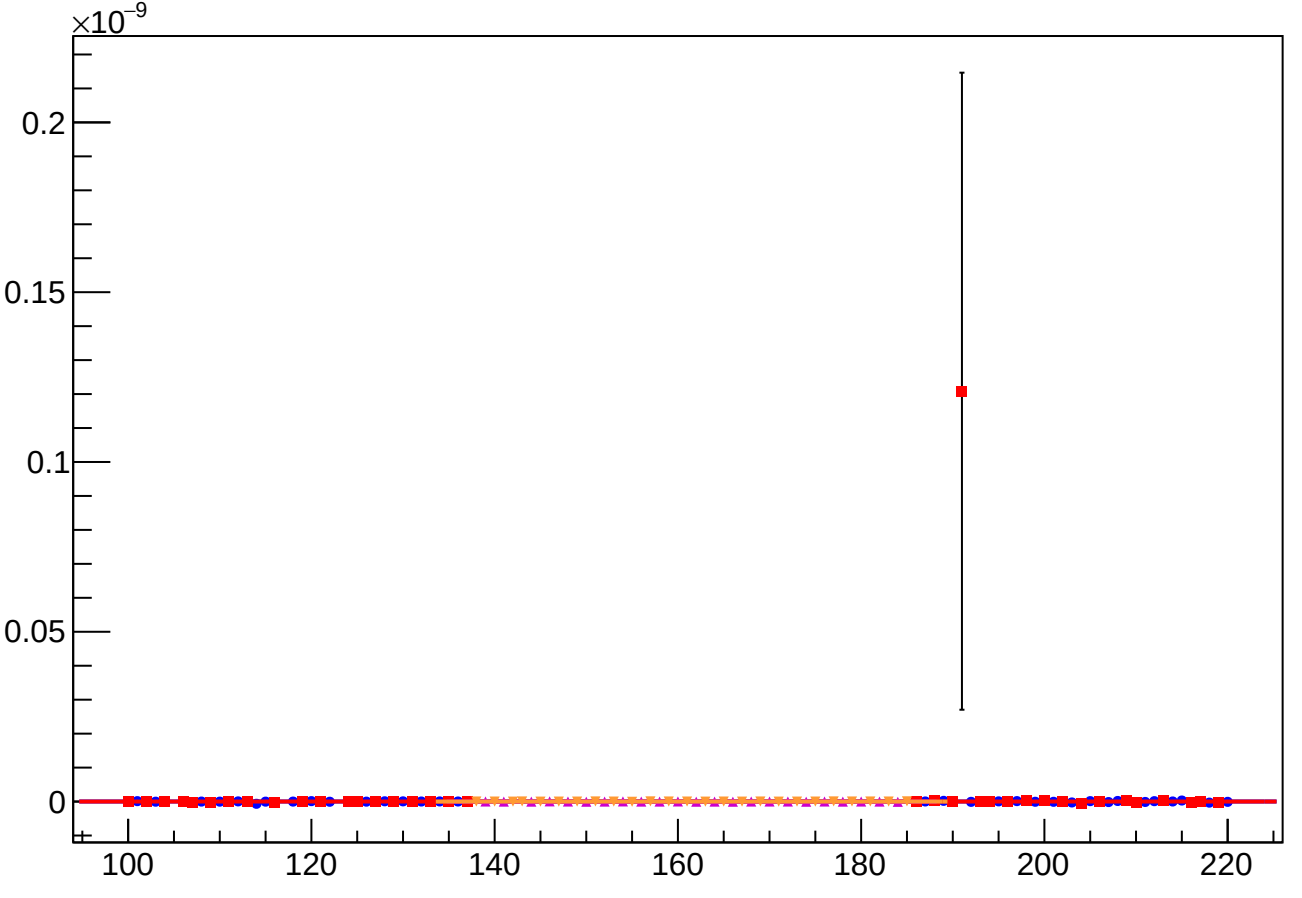
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3081.302+/-0.339 χ^2/NDF: 1694078.5/69

In: 2968.267+/-0.337 χ^2/NDF:1033673.4/55

Out: 2980.588+/-0.333 χ^2/NDF:893563.4/61

All: 2974.501+/-0.237 χ^2/NDF: 1927914.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.6/36

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

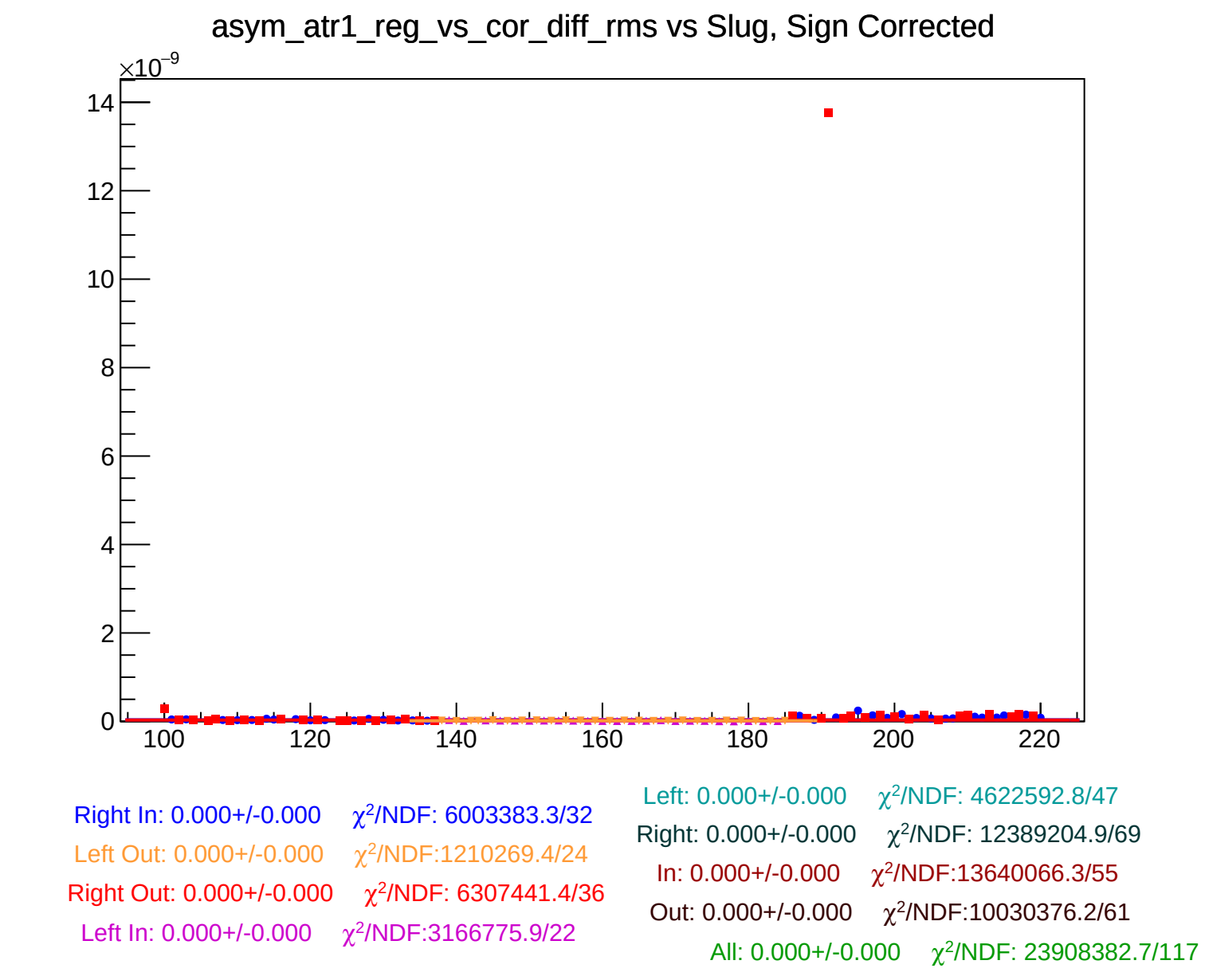
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

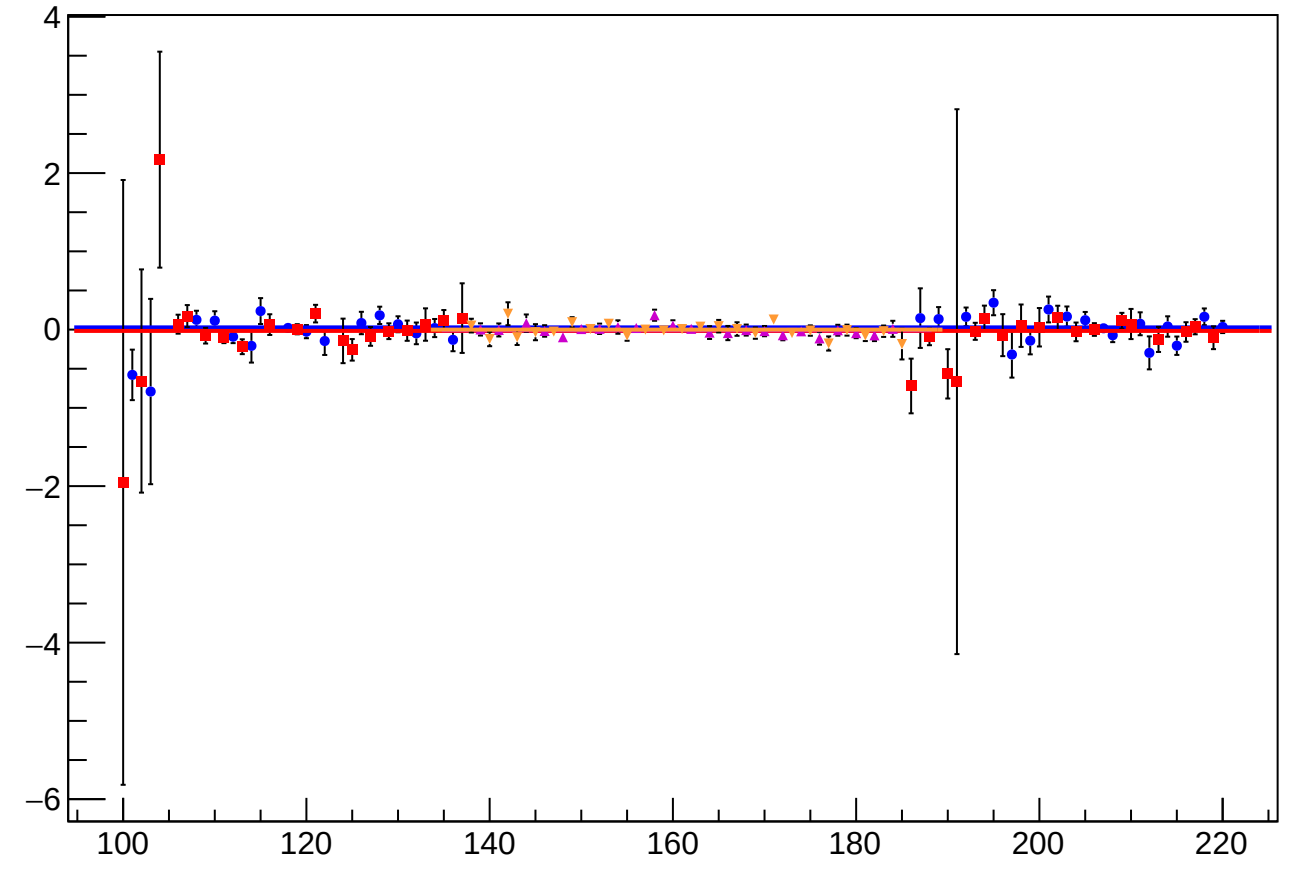
Right: 0.000+/-0.000 χ^2/NDF: 76.4/69

In: -0.000+/-0.000 χ^2/NDF:58.9/55

Out: 0.000+/-0.000 χ^2/NDF:62.4/61

All: -0.000+/-0.000 χ^2/NDF: 121.9/117


asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6003383.3/32
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6307441.4/36
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 12389204.9/69
In: 0.000+/-0.000 χ²/NDF:13640066.3/55
Out: 0.000+/-0.000 χ²/NDF:10030376.2/61
All: 0.000+/-0.000 χ²/NDF: 23908382.7/117



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/32

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.017+/-0.021 χ^2/NDF: 33.9/36

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

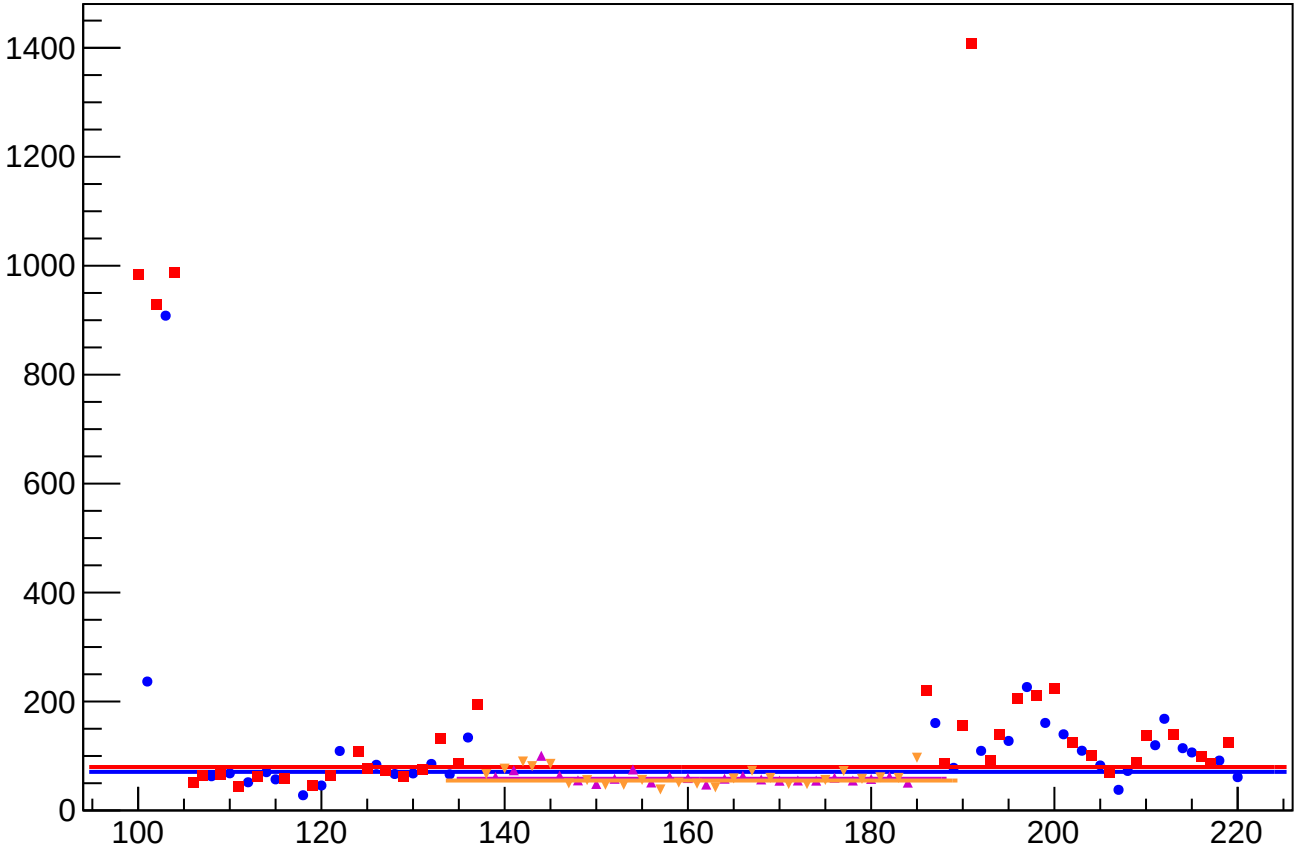
Right: 0.008+/-0.014 χ^2/NDF: 72.9/69

In: 0.005+/-0.012 χ^2/NDF:54.3/55

Out: -0.005+/-0.012 χ^2/NDF:56.9/61

All: -0.000+/-0.008 χ^2/NDF: 111.6/117

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.830+/-0.014 χ^2/NDF: 7739508.1/32

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

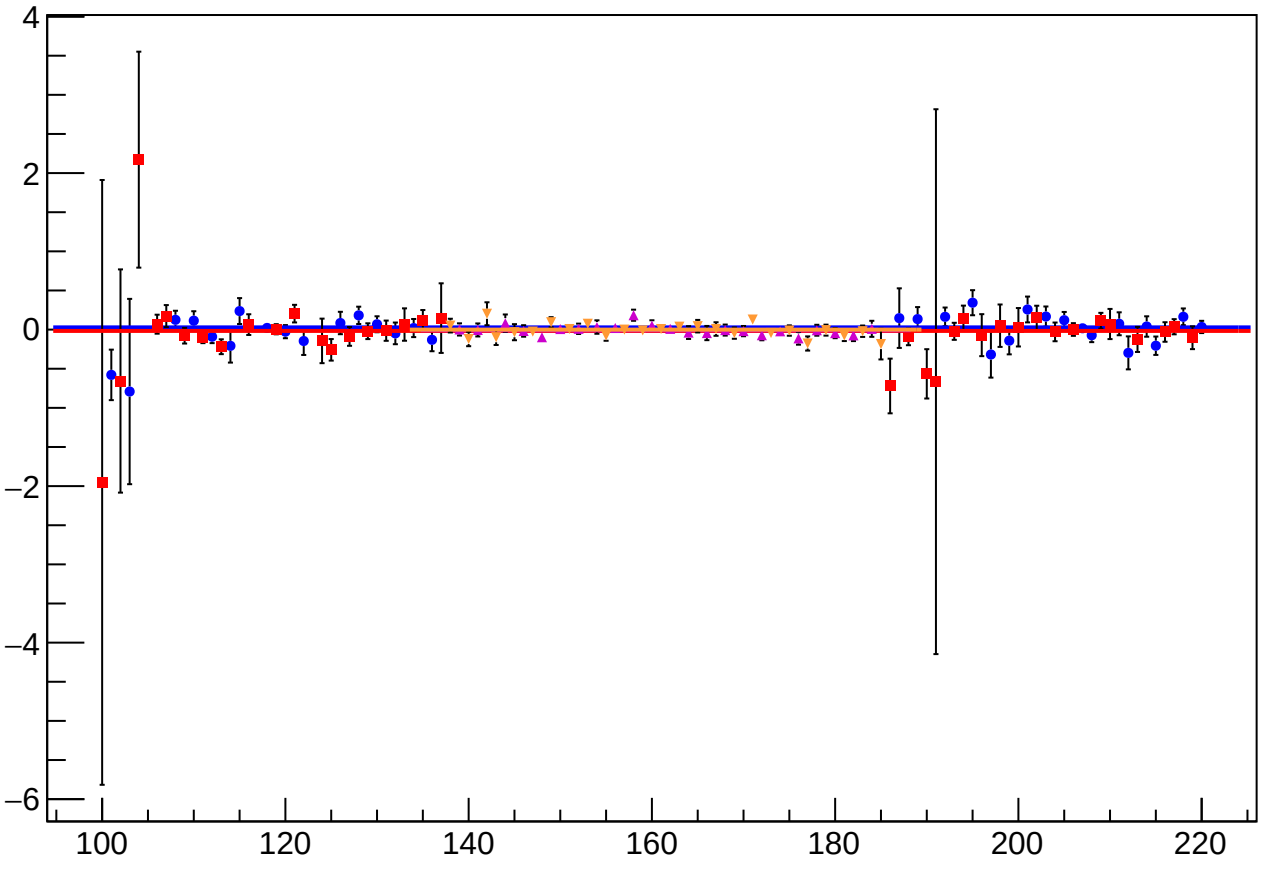
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 74.927+/-0.010 χ^2/NDF: 14963303.8/69

In: 62.734+/-0.008 χ^2/NDF:8927015.1/55

Out: 62.460+/-0.008 χ^2/NDF:10214186.3/61

All: 62.596+/-0.006 χ^2/NDF: 19141738.7/117



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/32

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.017+/-0.021 χ^2/NDF: 33.9/36

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

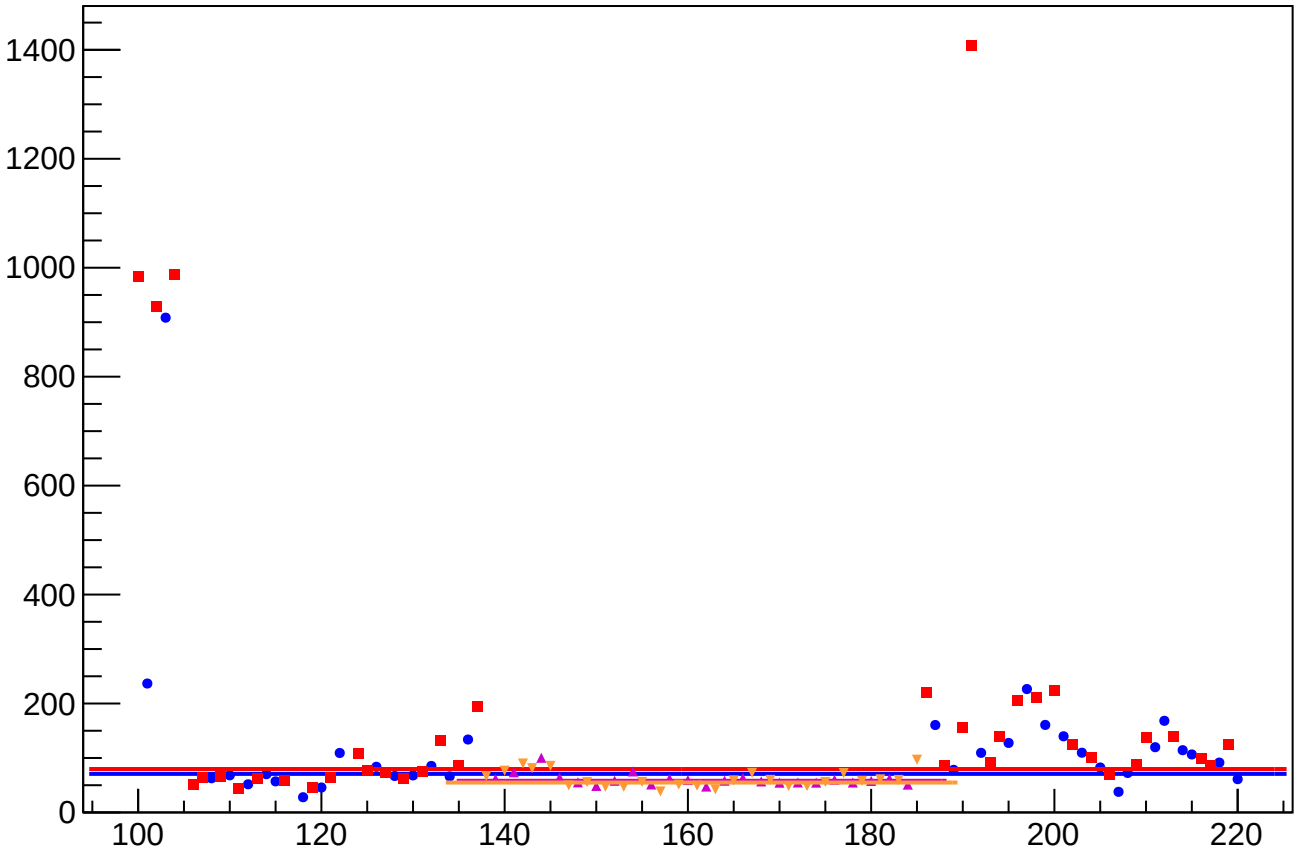
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.008+/-0.014 χ^2/NDF: 72.9/69

In: 0.005+/-0.012 χ^2/NDF:54.3/55

Out: -0.005+/-0.012 χ^2/NDF:56.9/61

All: -0.000+/-0.008 χ^2/NDF: 111.6/117



Right In: 70.830+/-0.014 χ^2/NDF: 7739508.1/32

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

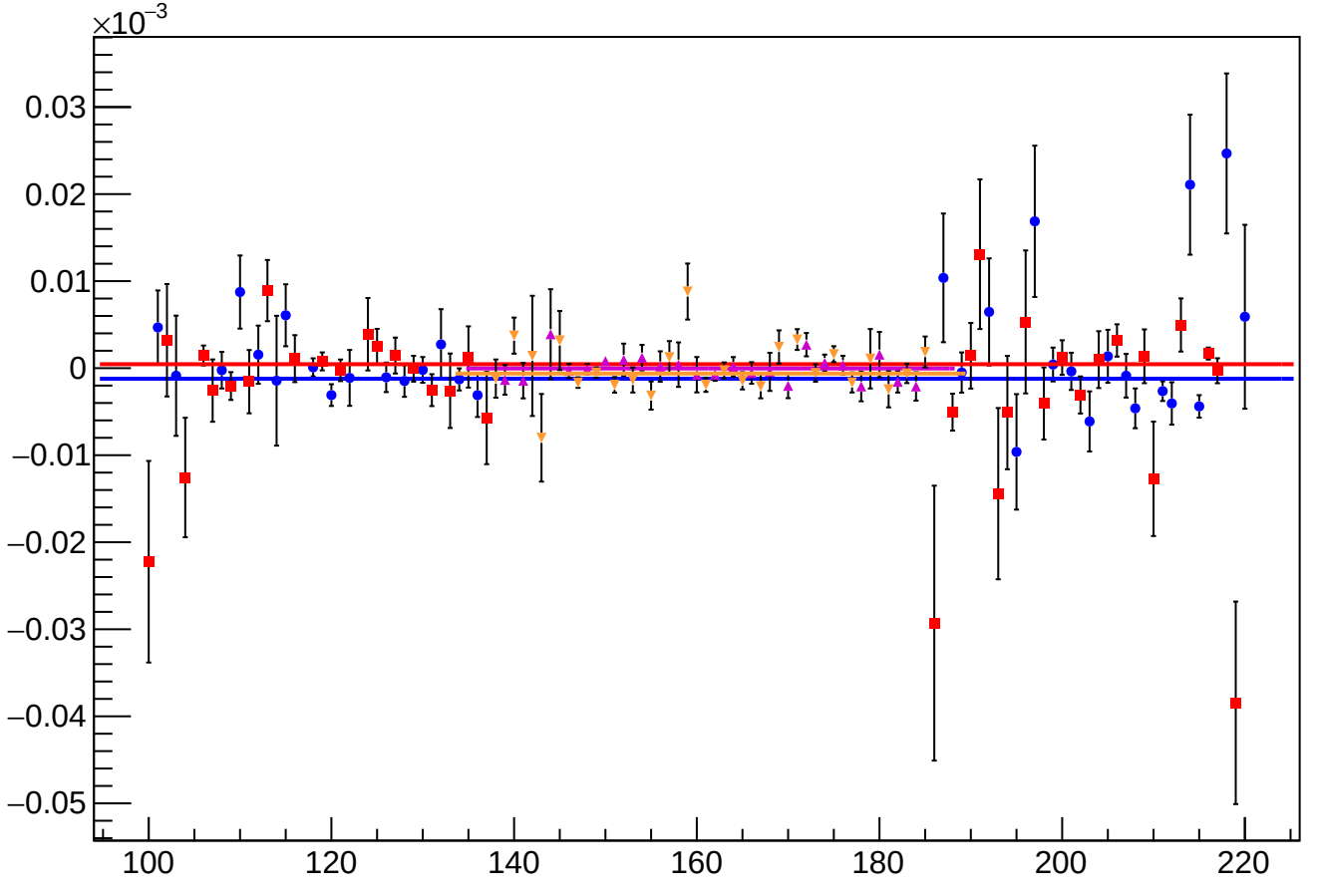
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 74.927+/-0.010 χ^2/NDF: 14963303.8/69

In: 62.734+/-0.008 χ^2/NDF:8927015.1/55

Out: 62.460+/-0.008 χ^2/NDF:10214186.3/61

All: 62.596+/-0.006 χ^2/NDF: 19141738.7/117



Right In: -0.000+/-0.000 χ^2/NDF: 59.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 67.8/36

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

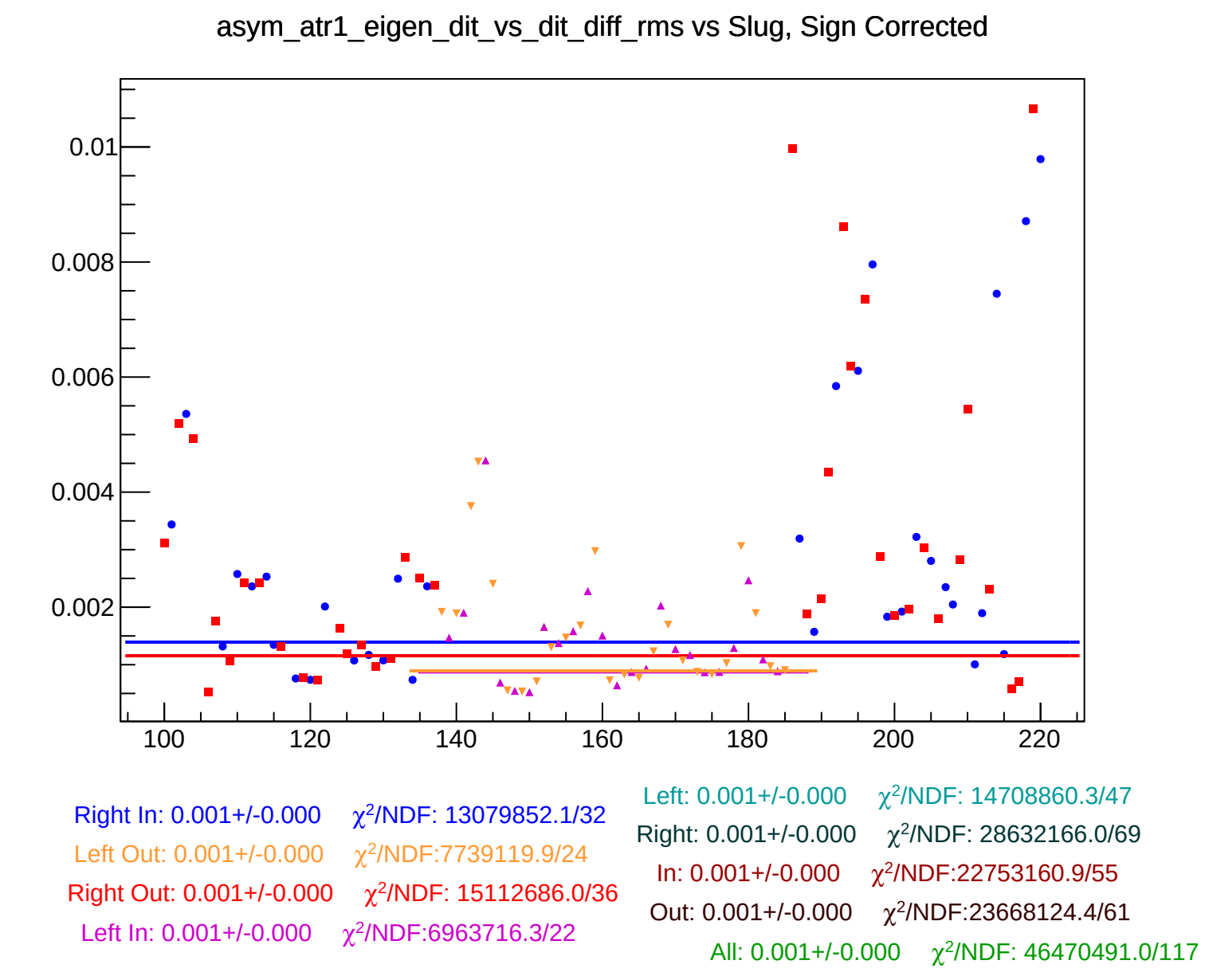
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

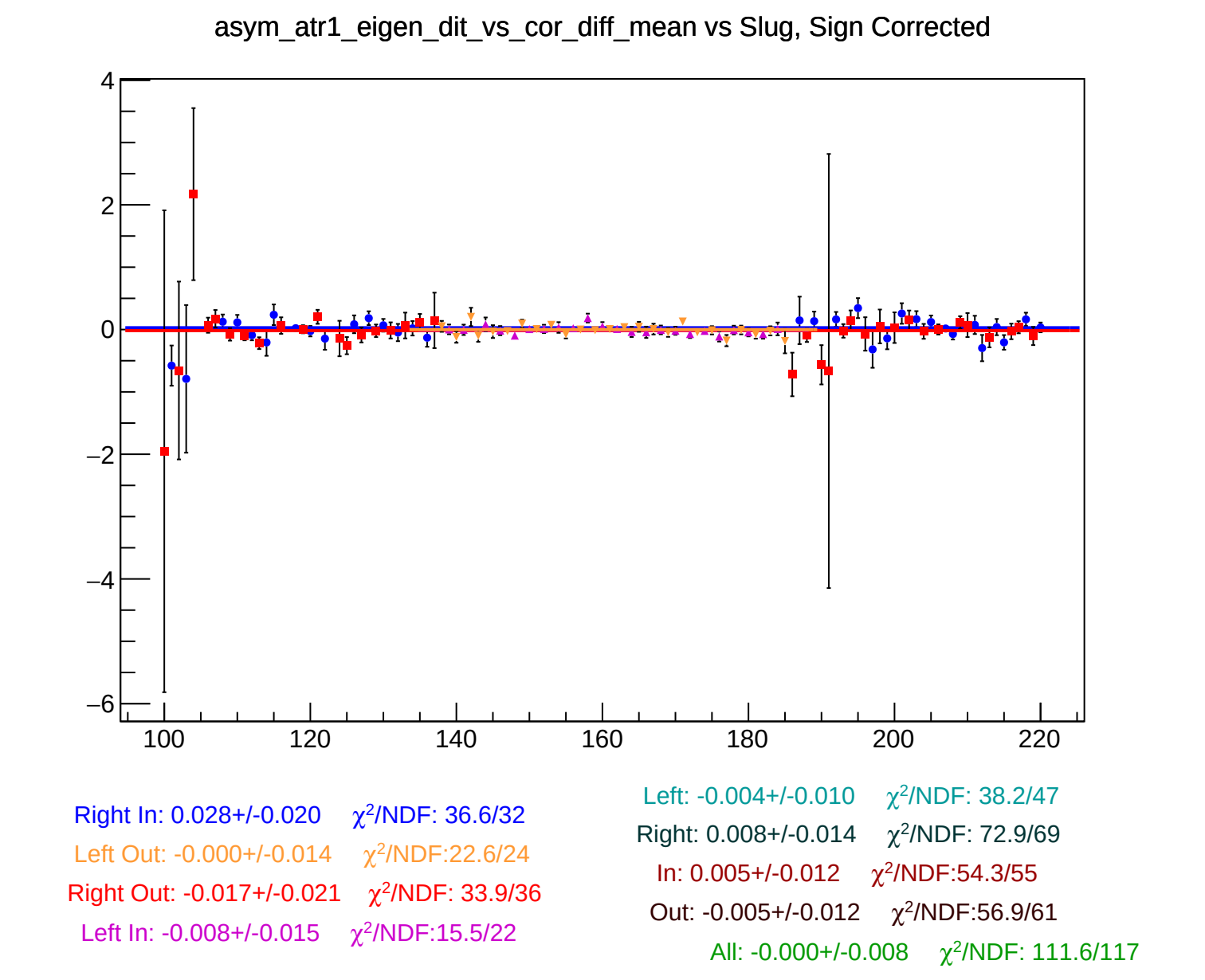
Right: -0.000+/-0.000 χ^2/NDF: 138.1/69

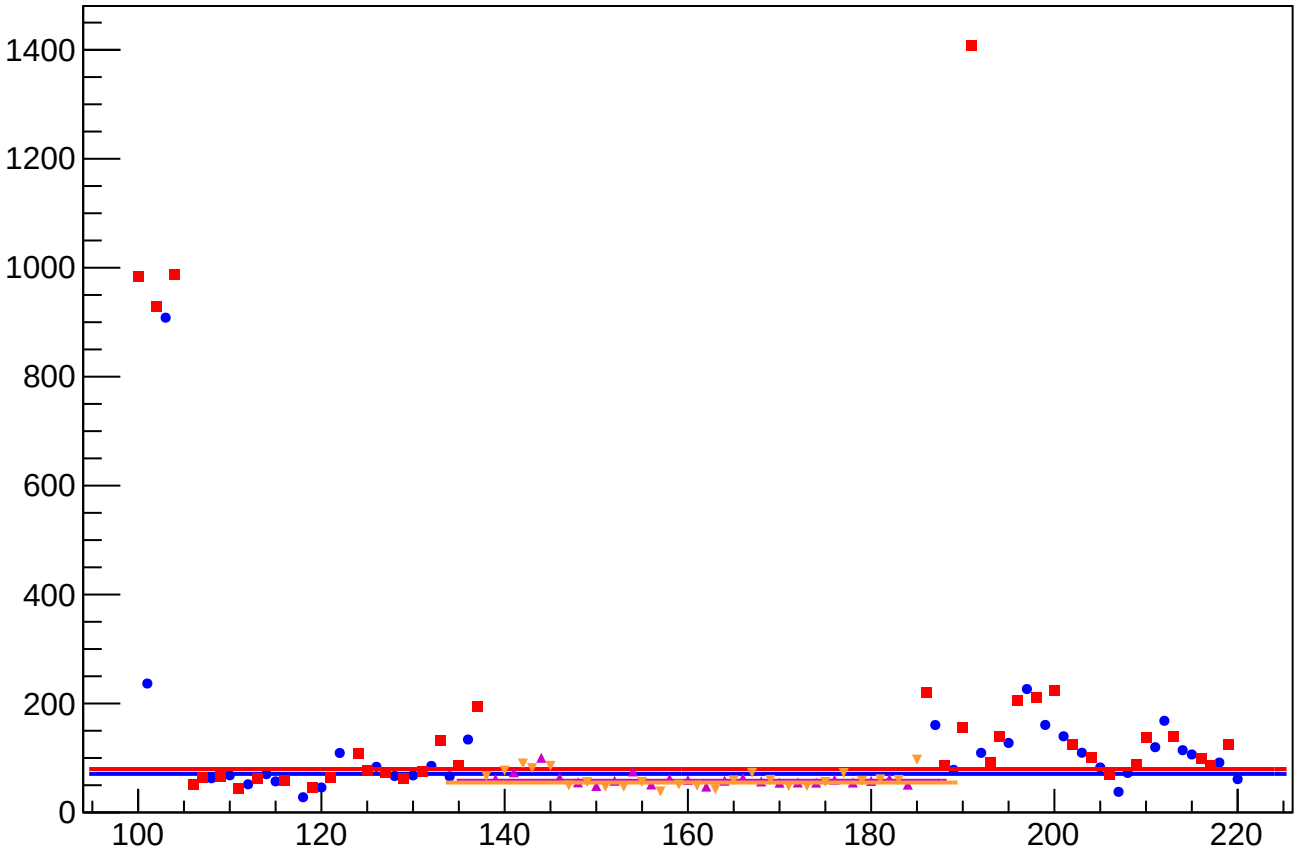
In: -0.000+/-0.000 χ^2/NDF:84.6/55

Out: -0.000+/-0.000 χ^2/NDF:127.4/61

All: -0.000+/-0.000 χ^2/NDF: 212.2/117


asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 13079852.1/32
Left Out: 0.001+/-0.000 χ²/NDF:7739119.9/24
Right Out: 0.001+/-0.000 χ²/NDF: 15112686.0/36
Left In: 0.001+/-0.000 χ²/NDF:6963716.3/22
Left: 0.001+/-0.000 χ²/NDF: 14708860.3/47
Right: 0.001+/-0.000 χ²/NDF: 28632166.0/69
In: 0.001+/-0.000 χ²/NDF:22753160.9/55
Out: 0.001+/-0.000 χ²/NDF:23668124.4/61
All: 0.001+/-0.000 χ²/NDF: 46470491.0/117


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.028+/-0.020 χ²/NDF: 36.6/32
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.017+/-0.021 χ²/NDF: 33.9/36
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.008+/-0.014 χ²/NDF: 72.9/69
In: 0.005+/-0.012 χ²/NDF:54.3/55
Out: -0.005+/-0.012 χ²/NDF:56.9/61
All: -0.000+/-0.008 χ²/NDF: 111.6/117



Right In: 70.829+/-0.014 χ^2/NDF: 7739820.8/32

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

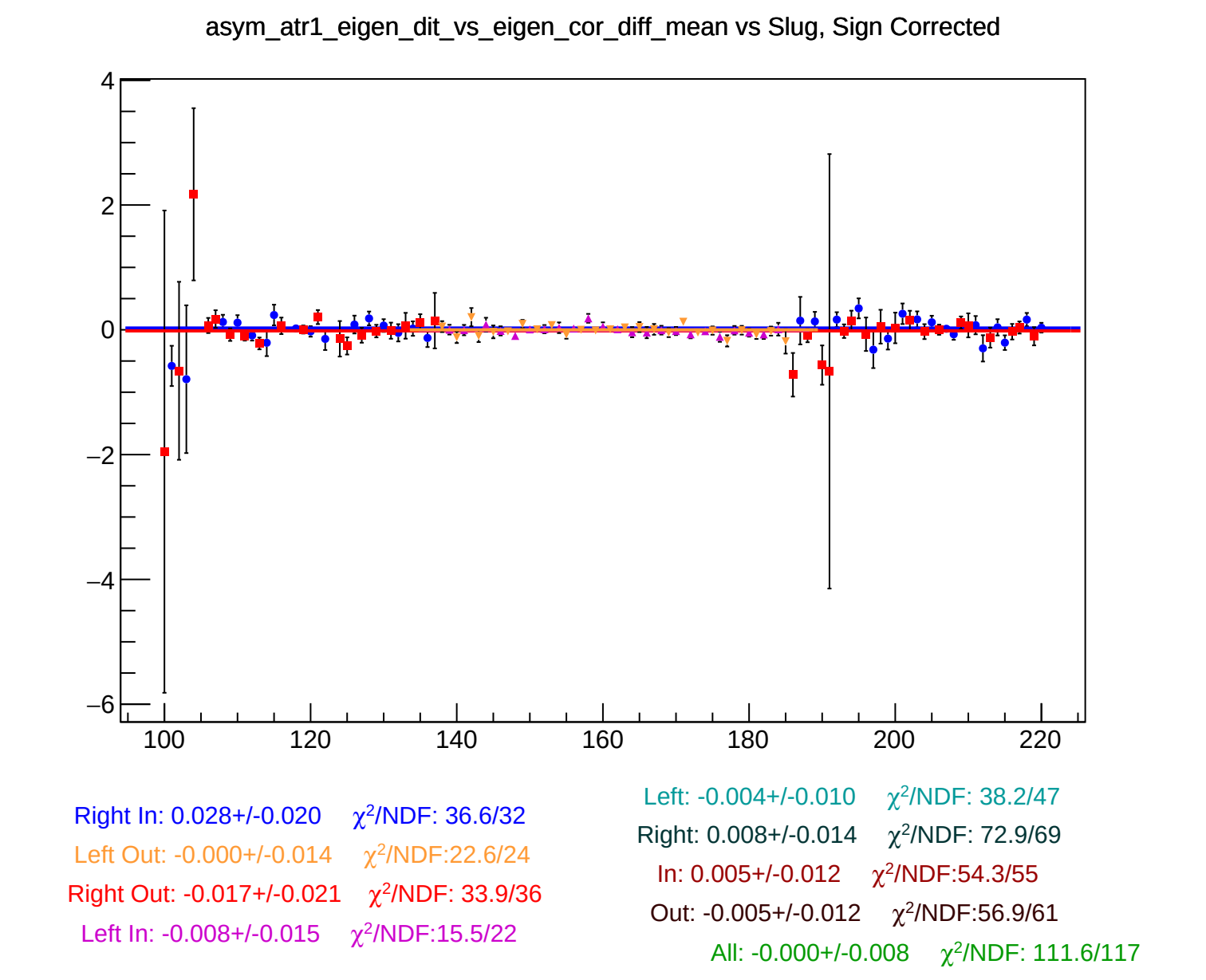
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 74.926+/-0.010 χ^2/NDF: 14963656.0/69

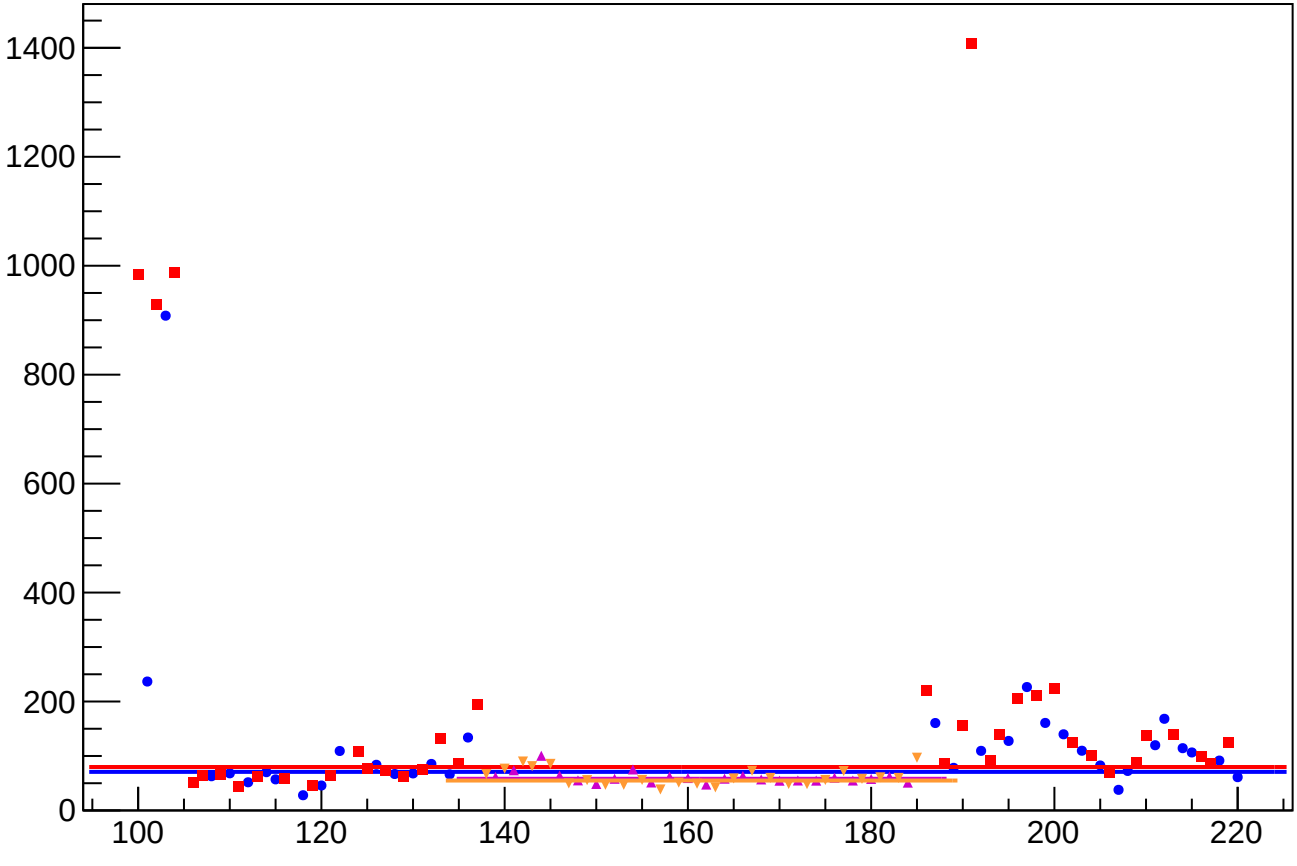
In: 62.734+/-0.008 χ^2/NDF:8927248.3/55

Out: 62.460+/-0.008 χ^2/NDF:10214294.5/61

All: 62.596+/-0.006 χ^2/NDF: 19142080.2/117


asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.028+/-0.020 χ²/NDF: 36.6/32
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.017+/-0.021 χ²/NDF: 33.9/36
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.008+/-0.014 χ²/NDF: 72.9/69
In: 0.005+/-0.012 χ²/NDF:54.3/55
Out: -0.005+/-0.012 χ²/NDF:56.9/61
All: -0.000+/-0.008 χ²/NDF: 111.6/117

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.829+/-0.014 χ^2/NDF: 7739820.8/32

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

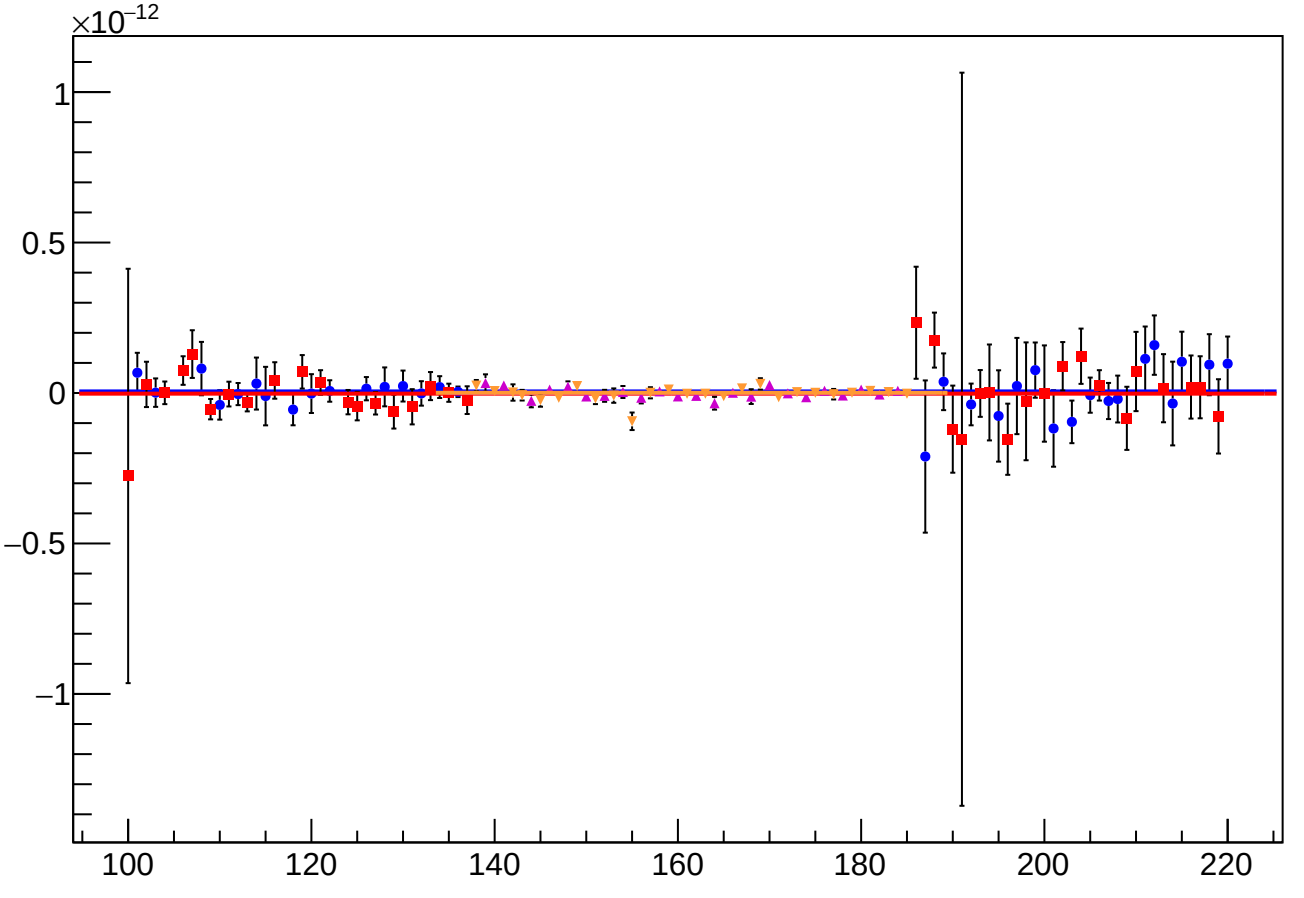
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 74.926+/-0.010 χ^2/NDF: 14963656.0/69

In: 62.734+/-0.008 χ^2/NDF:8927248.3/55

Out: 62.460+/-0.008 χ^2/NDF:10214294.5/61

All: 62.596+/-0.006 χ^2/NDF: 19142080.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/36

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

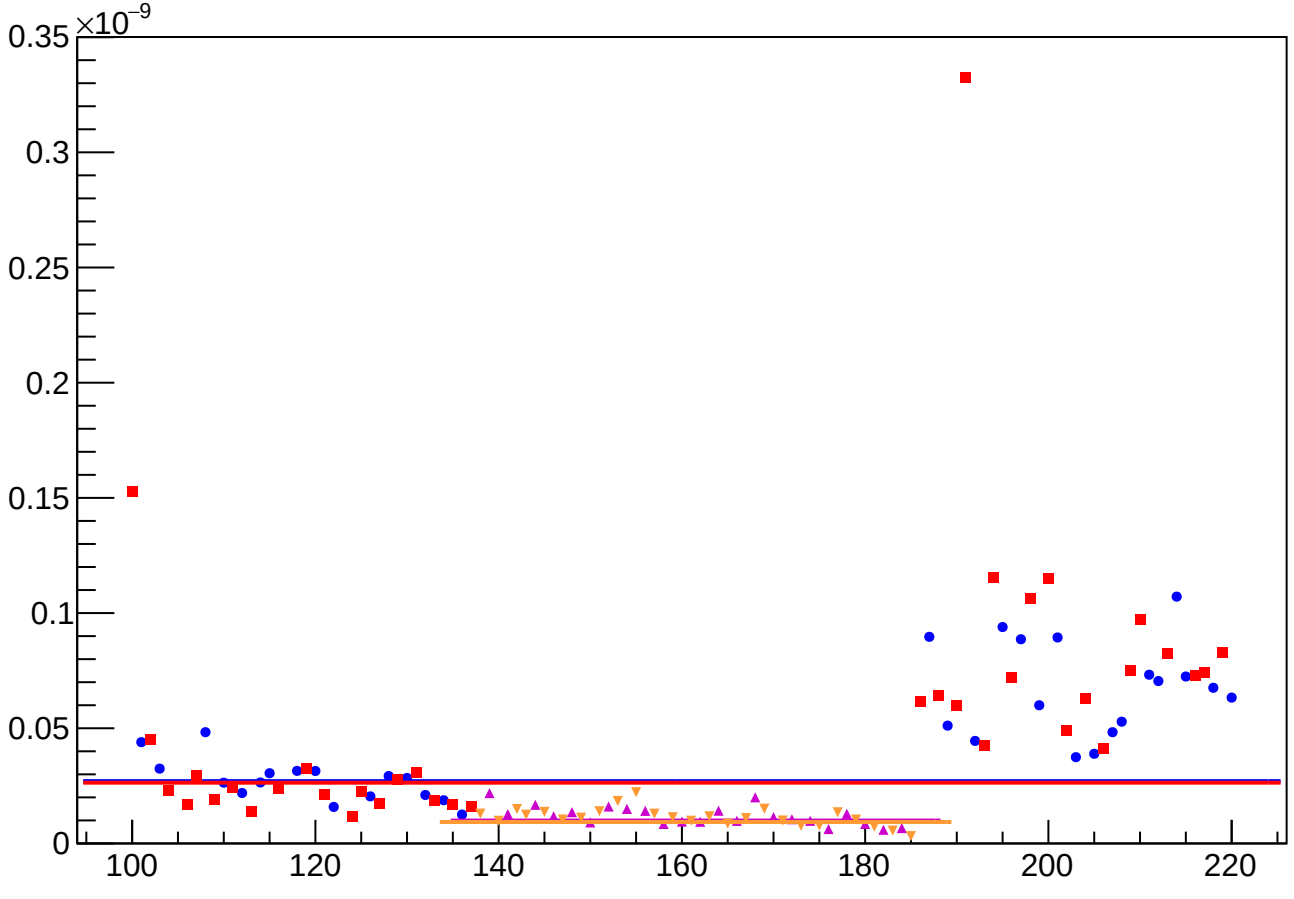
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 45.5/69

In: 0.000+/-0.000 χ^2/NDF:36.8/55

Out: 0.000+/-0.000 χ^2/NDF:54.3/61

All: 0.000+/-0.000 χ^2/NDF: 91.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 6990397.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7585796.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

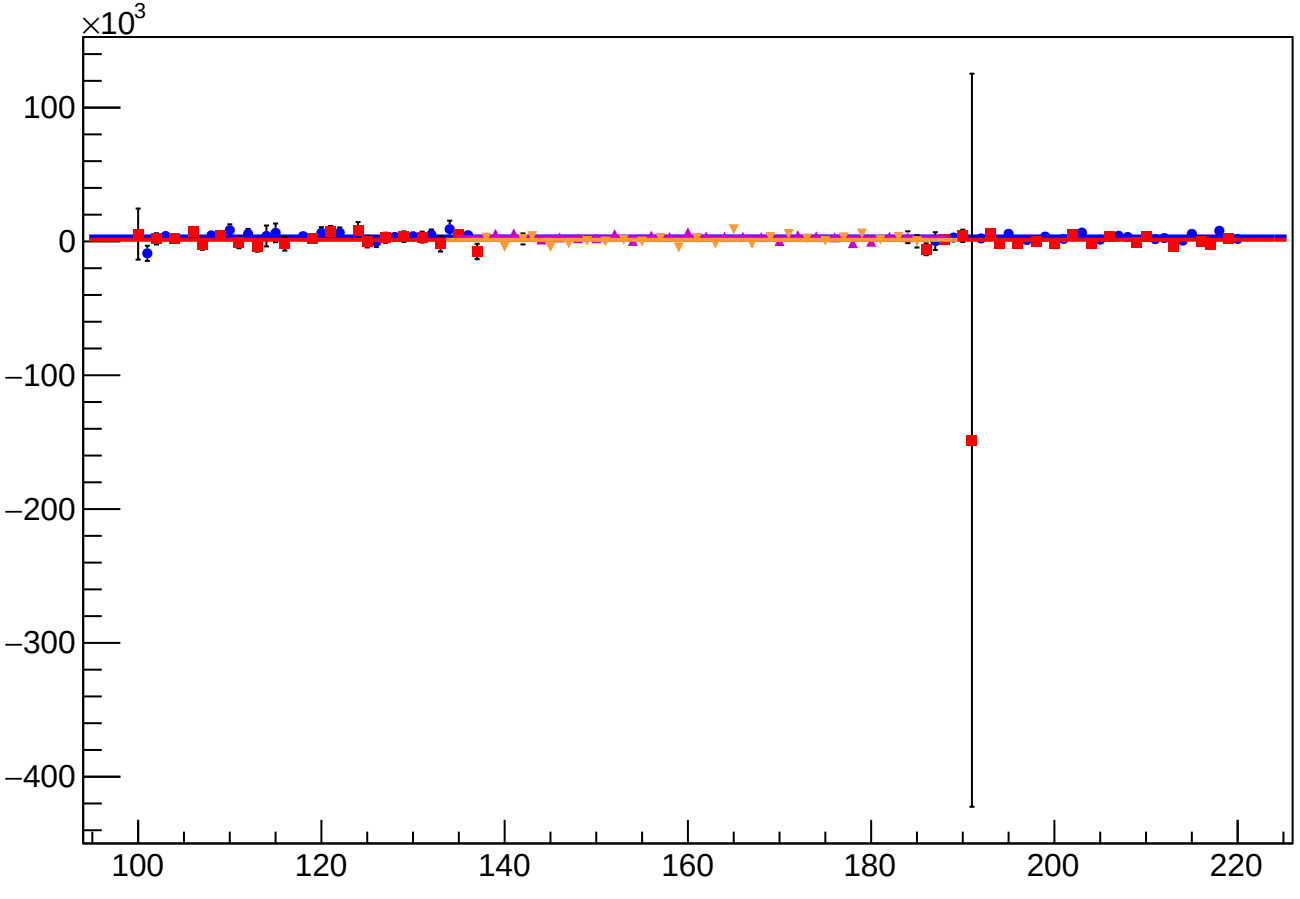
Right: 0.000+/-0.000 χ^2/NDF: 14581435.4/69

In: 0.000+/-0.000 χ^2/NDF:15744269.9/55

Out: 0.000+/-0.000 χ^2/NDF:16785766.4/61

All: 0.000+/-0.000 χ^2/NDF: 32619966.5/117

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3707.621+/-586.721 χ^2/NDF: 17.3/32

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1252.244+/-583.074 χ^2/NDF: 33.1/36

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

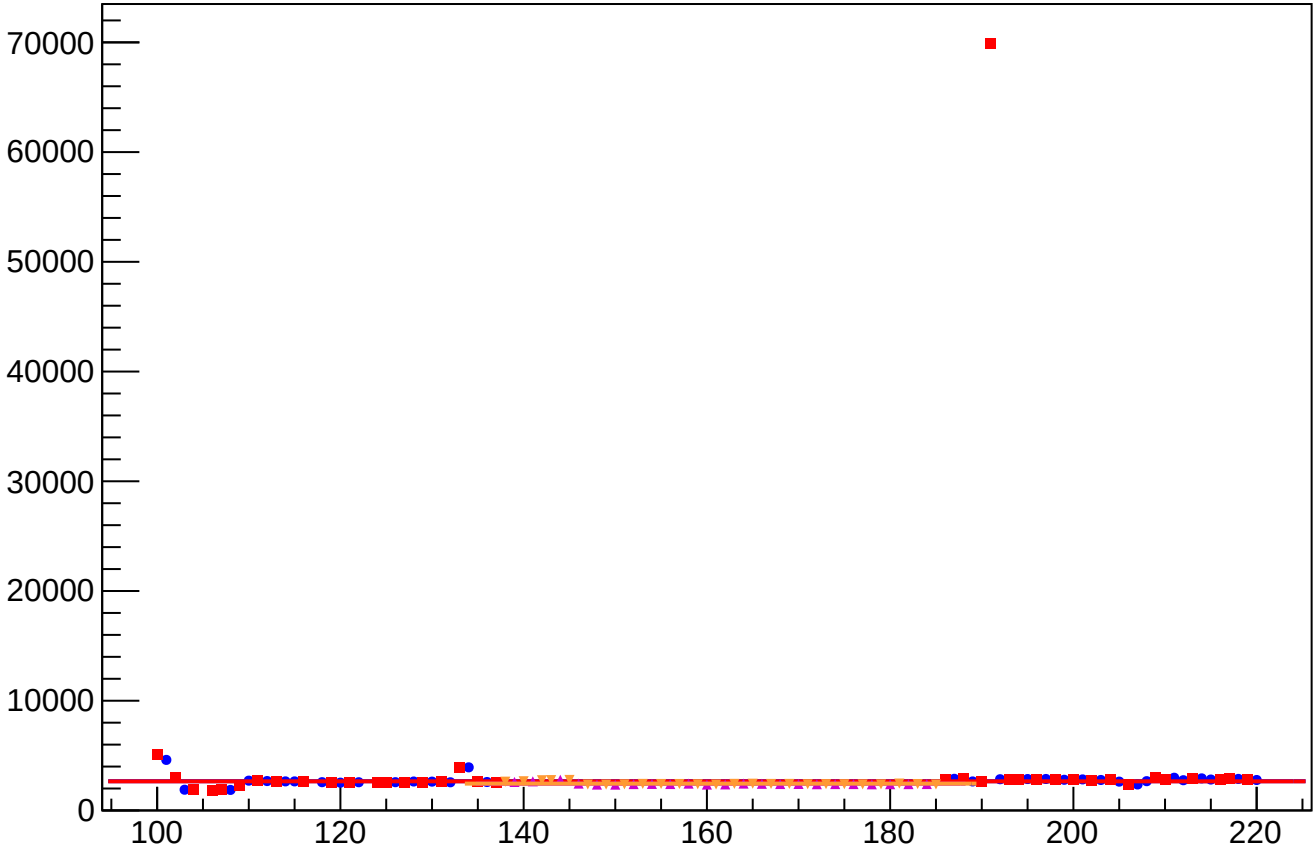
Right: 2472.277+/-413.579 χ^2/NDF: 59.2/69

In: 3419.041+/-408.547 χ^2/NDF:30.4/55

Out: 1219.047+/-402.474 χ^2/NDF:64.3/61

All: 2302.571+/-286.715 χ^2/NDF: 109.4/117

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2667.409+/-0.415 χ^2/NDF: 784439.5/32

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.640+/-0.412 χ^2/NDF: 826857.4/36

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

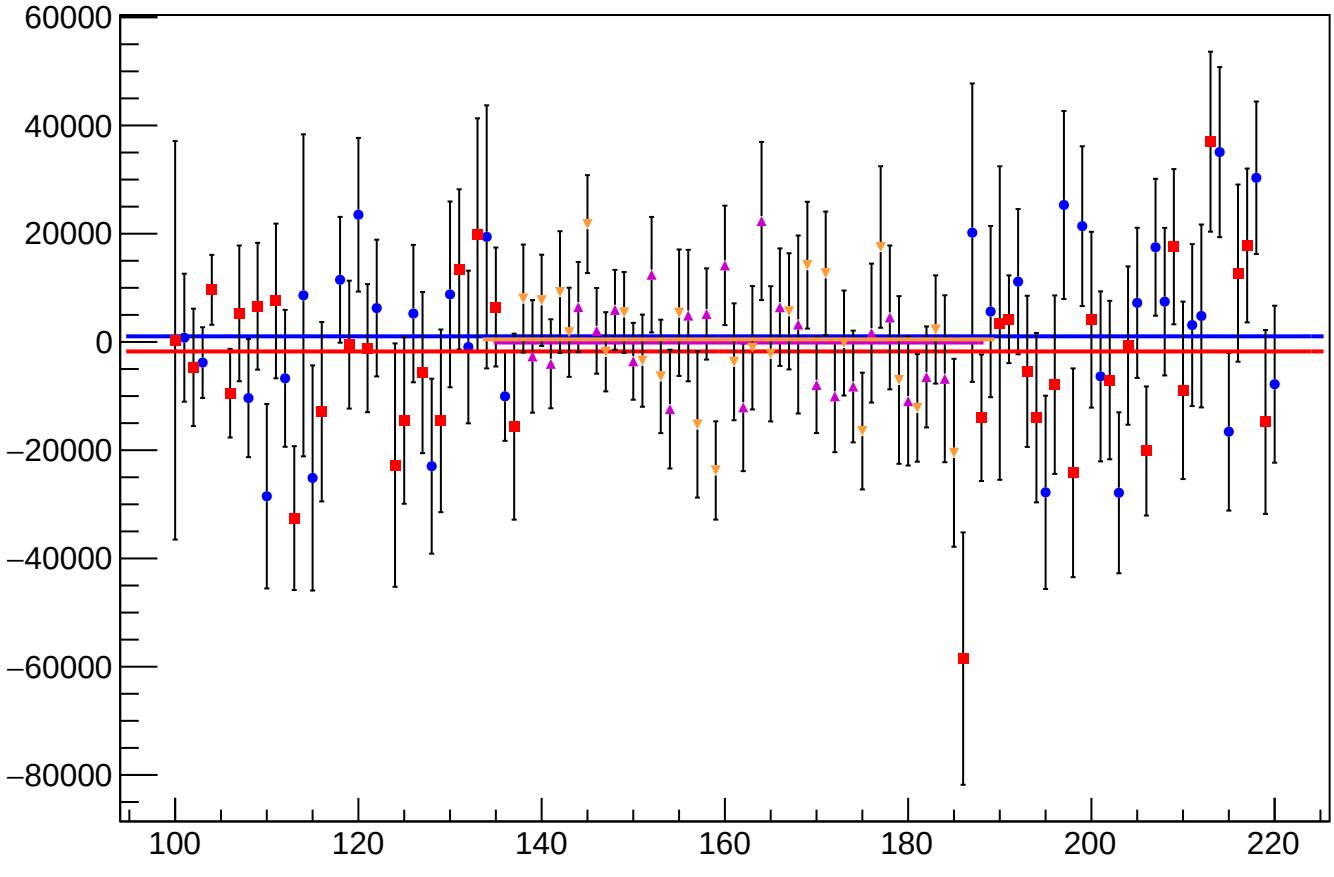
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2660.985+/-0.292 χ^2/NDF: 1611773.5/69

In: 2548.176+/-0.289 χ^2/NDF:1003967.5/55

Out: 2545.318+/-0.285 χ^2/NDF:1051164.6/61

All: 2546.726+/-0.203 χ^2/NDF: 2055181.7/11



Right In: 1042.270+/-2359.939 χ^2/NDF: 39.7/32

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -1751.778+/-2189.805 χ^2/NDF: 39.7/36

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

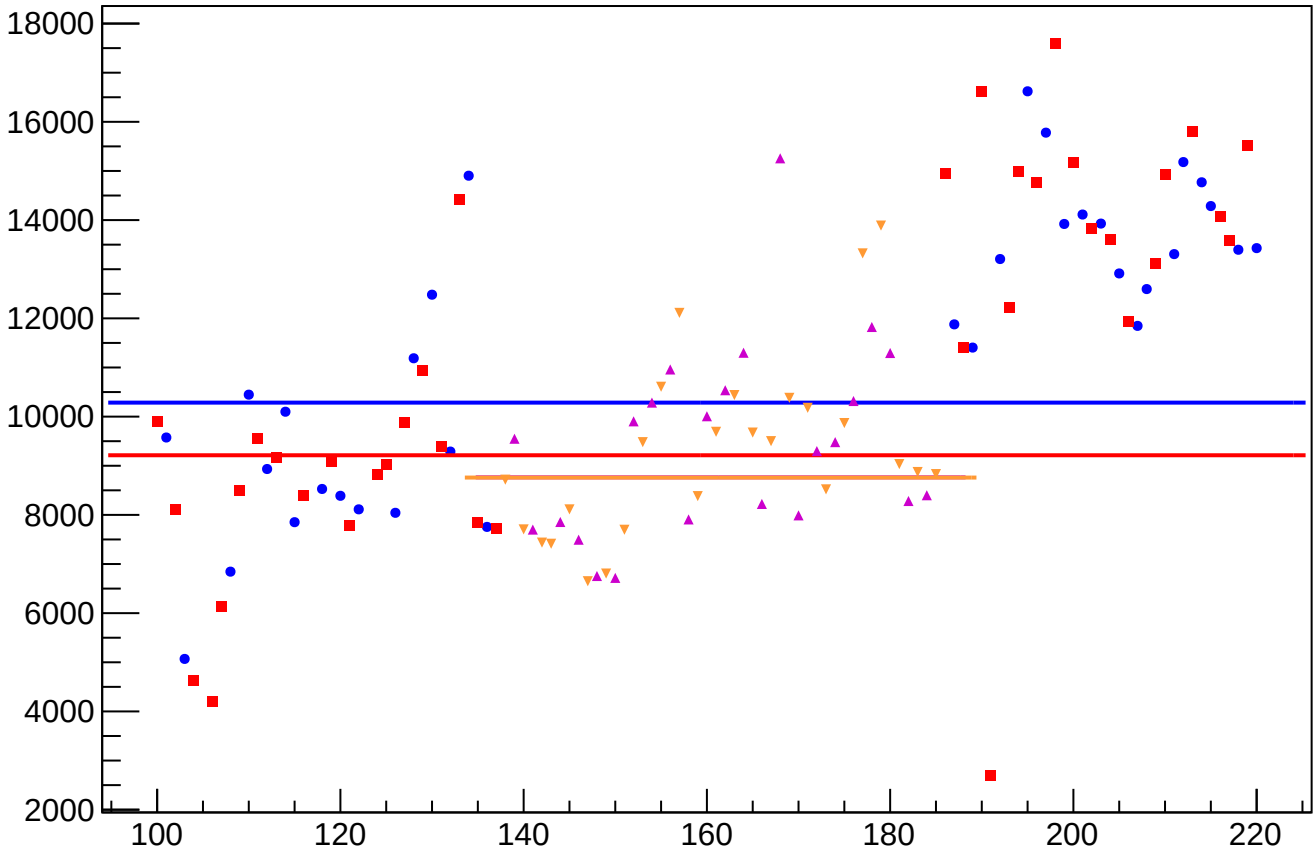
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -459.089+/-1605.206 χ^2/NDF: 80.2/69

In: 399.564+/-1565.002 χ^2/NDF:54.3/55

Out: -556.259+/-1491.069 χ^2/NDF:67.7/61

All: -101.458+/-1079.536 χ^2/NDF: 122.2/117



Right In: 10284.955+/-1.669 χ^2/NDF: 3885333.9/32

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 9213.718+/-1.548 χ^2/NDF: 6812899.1/36

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

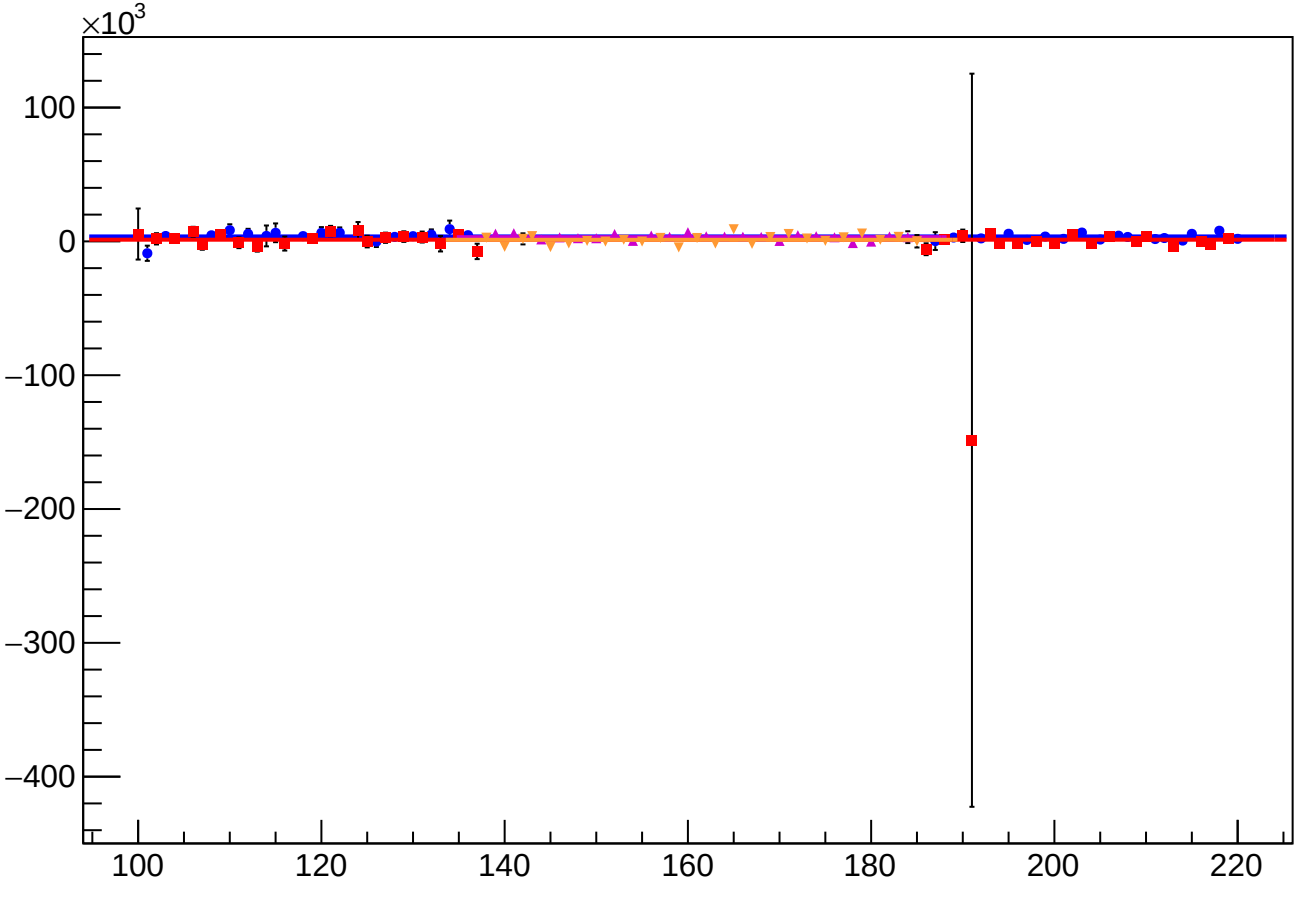
Right: 9709.333+/-1.135 χ^2/NDF: 10919670.3/69

In: 9432.952+/-1.107 χ^2/NDF:5642347.1/55

Out: 8970.168+/-1.054 χ^2/NDF:8081262.9/61

All: 9190.371+/-0.763 χ^2/NDF: 13815281.8/1

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3707.479+/-586.721 χ^2/NDF: 17.3/32

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1252.564+/-583.076 χ^2/NDF: 33.1/36

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

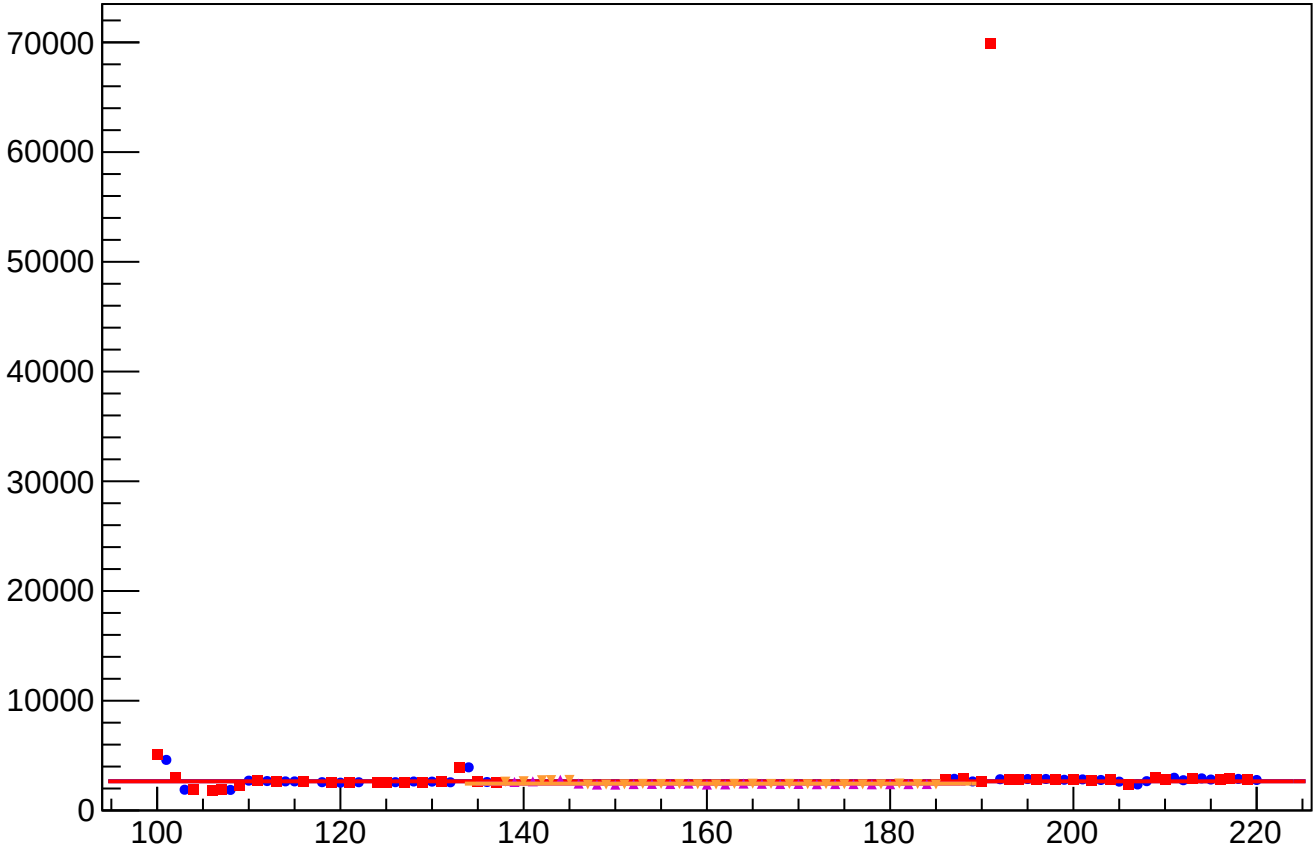
Right: 2472.371+/-413.580 χ^2/NDF: 59.2/69

In: 3418.871+/-408.547 χ^2/NDF:30.4/55

Out: 1219.111+/-402.475 χ^2/NDF:64.3/61

All: 2302.521+/-286.715 χ^2/NDF: 109.4/117

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2667.410+/-0.415 χ^2/NDF: 784436.6/32

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

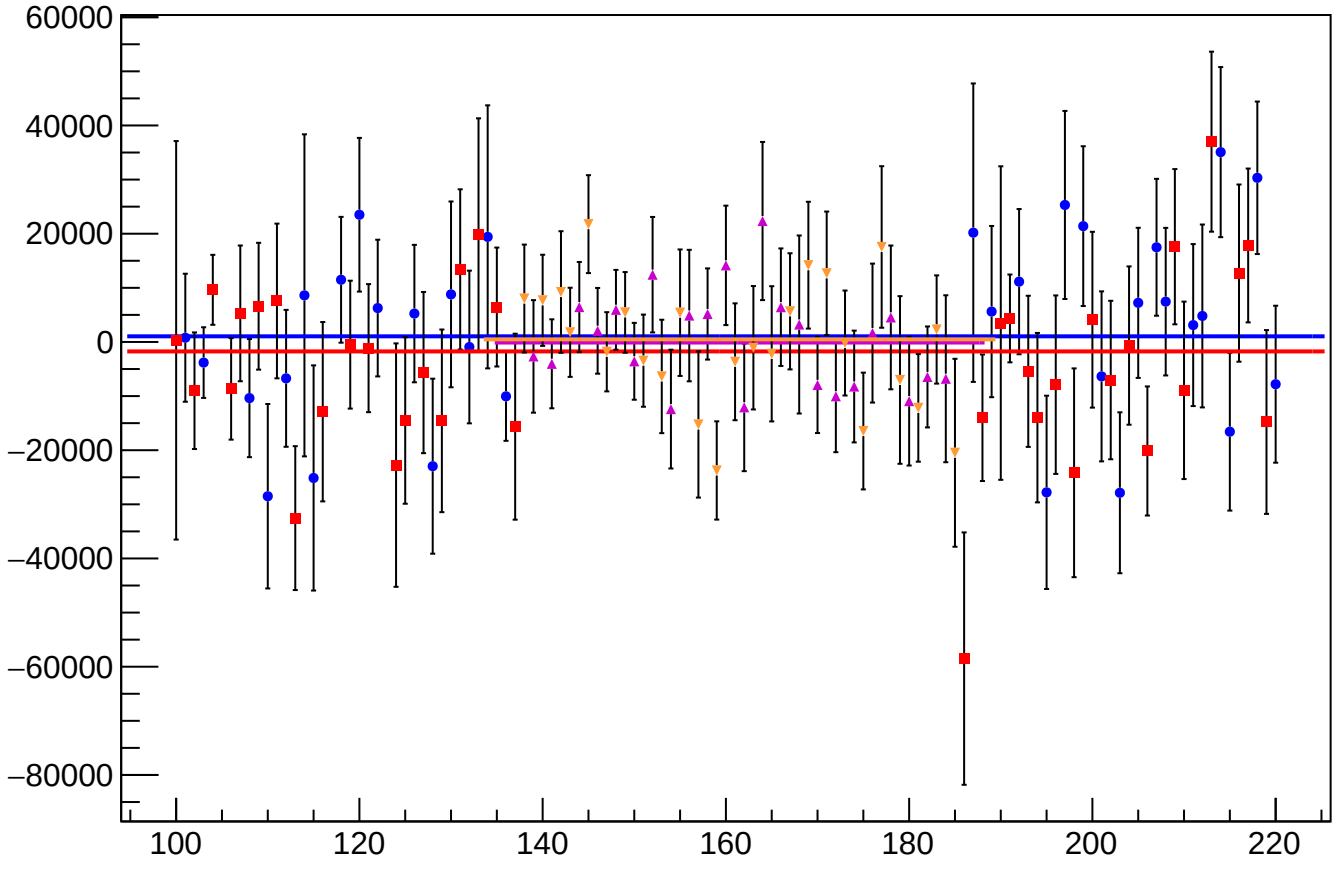
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2660.990+/-0.292 χ^2/NDF: 1611690.4/69

In: 2548.177+/-0.289 χ^2/NDF:1003965.1/55

Out: 2545.323+/-0.285 χ^2/NDF:1051098.8/61

All: 2546.728+/-0.203 χ^2/NDF: 2055113.4/11



Right In: 1042.585+/-2359.978 χ^2/NDF: 39.7/32

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -1746.945+/-2208.167 χ^2/NDF: 39.8/36

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

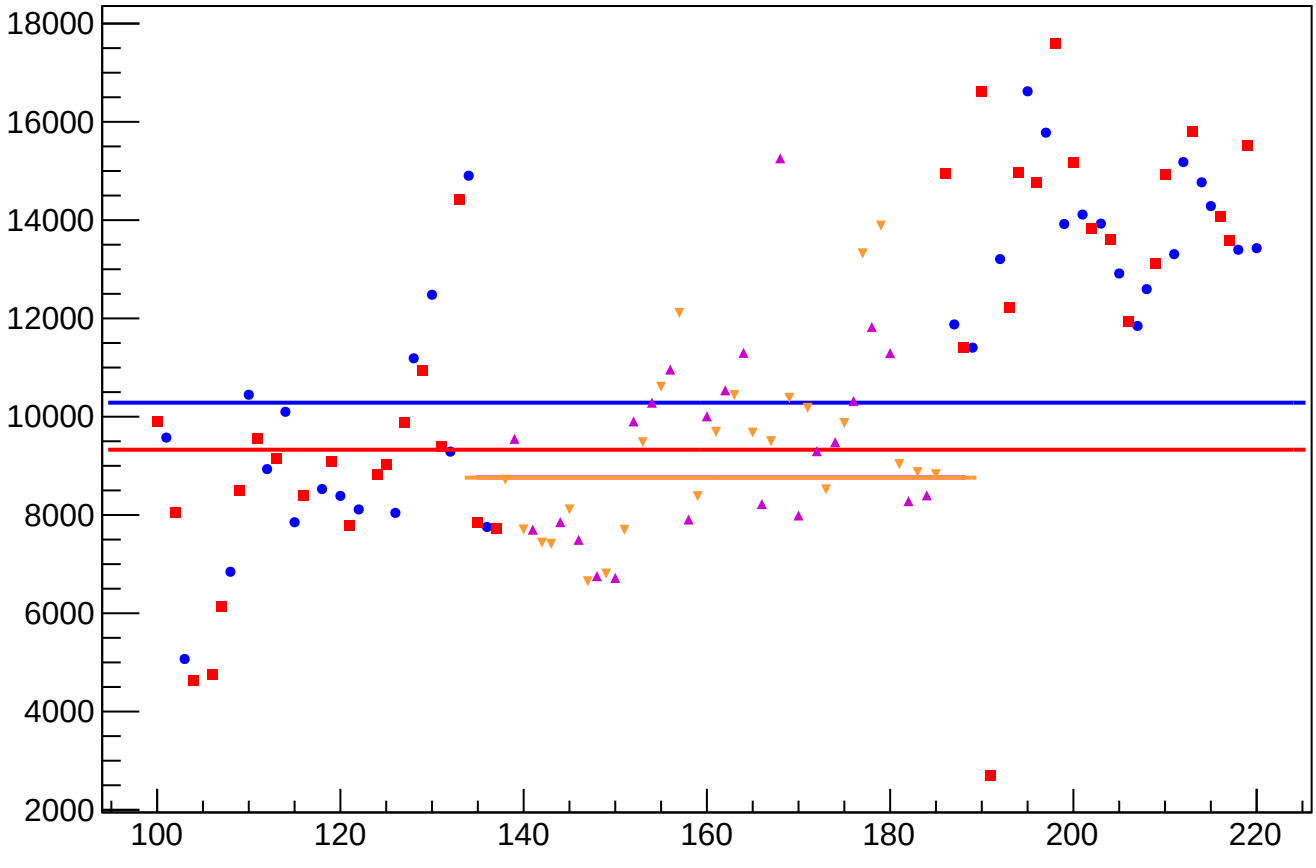
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -444.781+/-1612.409 χ^2/NDF: 80.3/69

In: 399.653+/-1565.013 χ^2/NDF:54.3/55

Out: -544.780+/-1496.826 χ^2/NDF:67.7/61

All: -93.586+/-1081.719 χ^2/NDF: 122.3/117



Right In: 10285.223+/-1.669 χ^2/NDF: 3884651.4/32

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

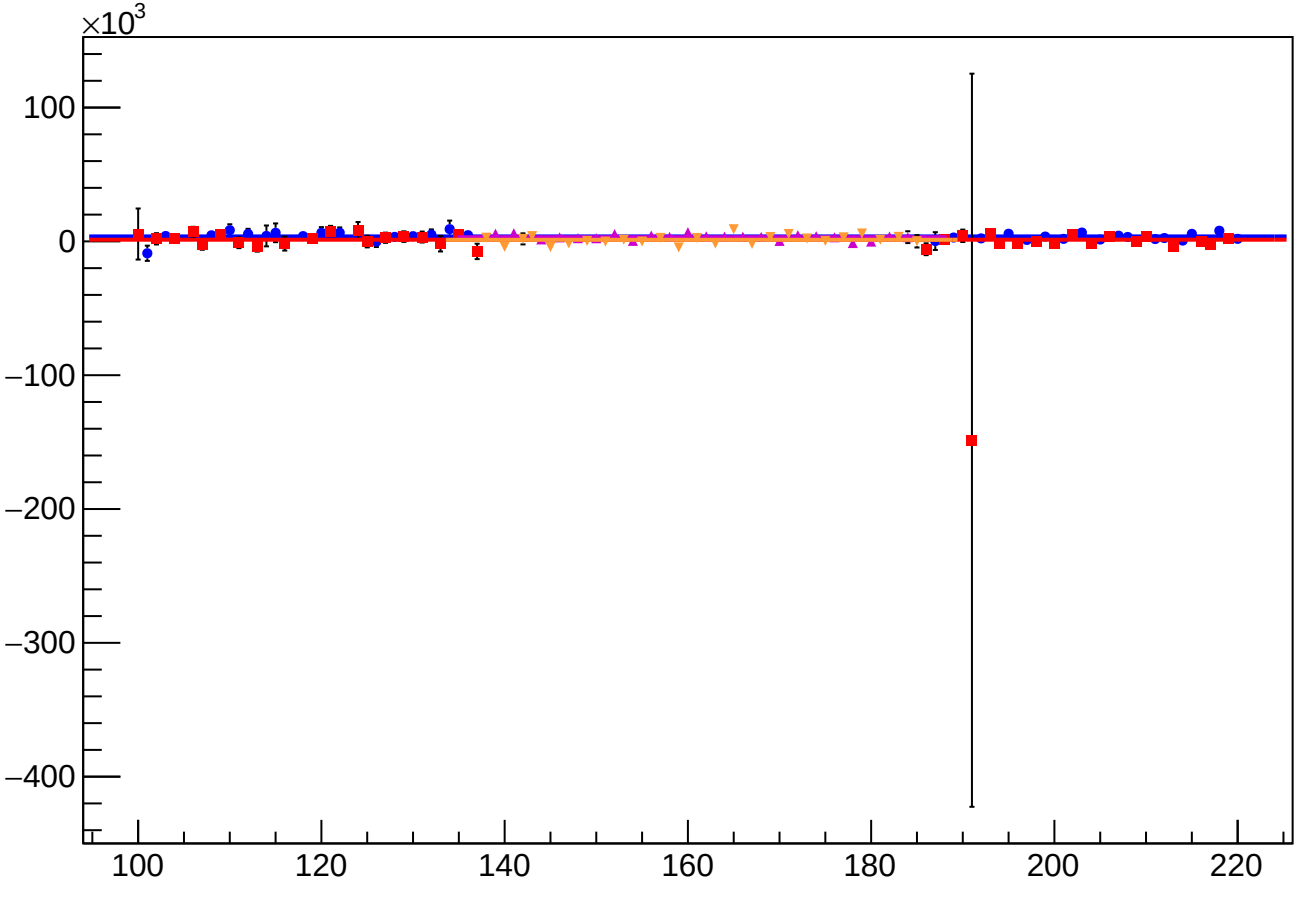
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9774.967+/-1.140 χ^2/NDF: 10569798.3/69

In: 9433.054+/-1.107 χ^2/NDF:5641824.8/55

Out: 9020.904+/-1.058 χ^2/NDF:7803730.7/61

All: 9217.805+/-0.765 χ^2/NDF: 13517997.5/1



Right In: 3707.479+/-586.721 χ^2/NDF: 17.3/32

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1252.564+/-583.076 χ^2/NDF: 33.1/36

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

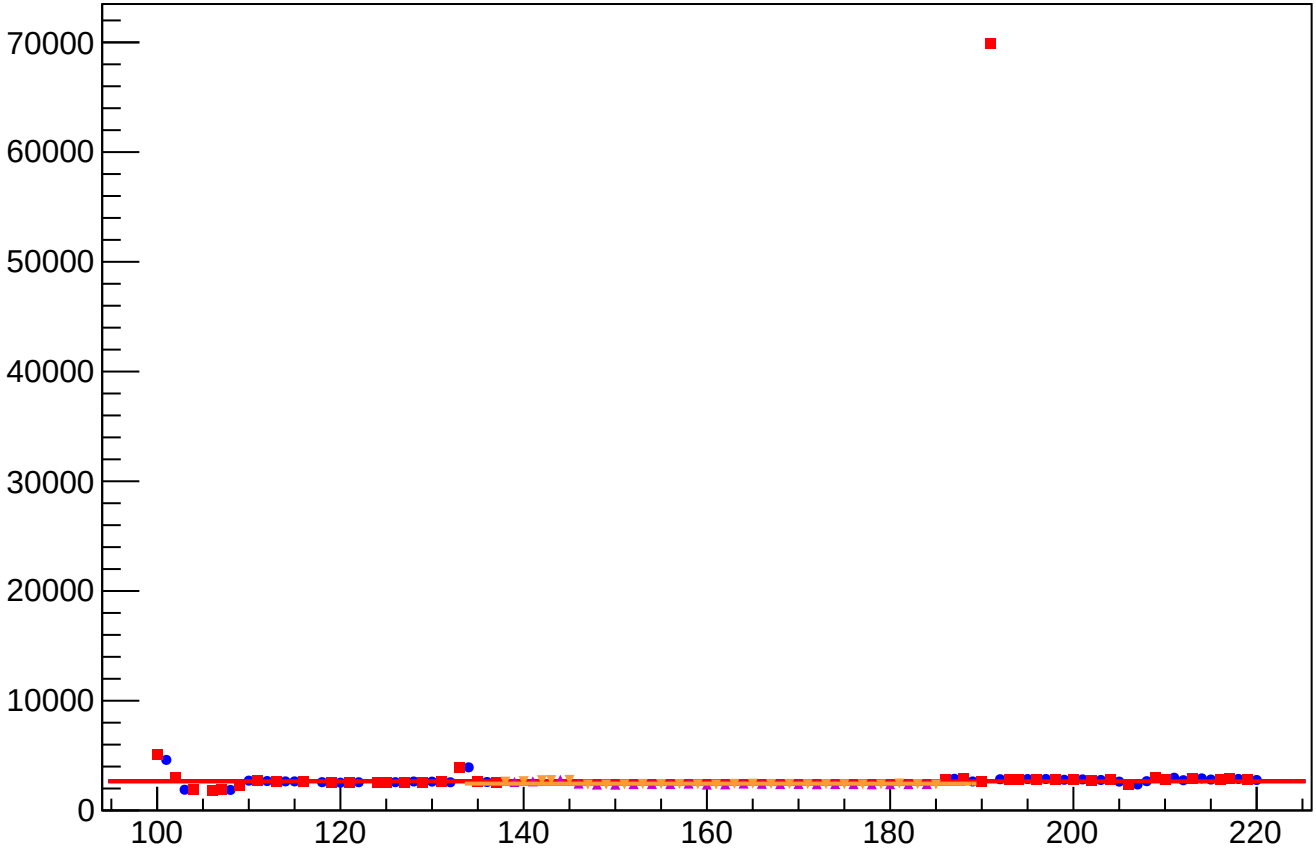
Right: 2472.371+/-413.580 χ^2/NDF: 59.2/69

In: 3418.871+/-408.547 χ^2/NDF:30.4/55

Out: 1219.111+/-402.475 χ^2/NDF:64.3/61

All: 2302.521+/-286.715 χ^2/NDF: 109.4/117

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2667.410+/-0.415 χ^2/NDF: 784436.6/32

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

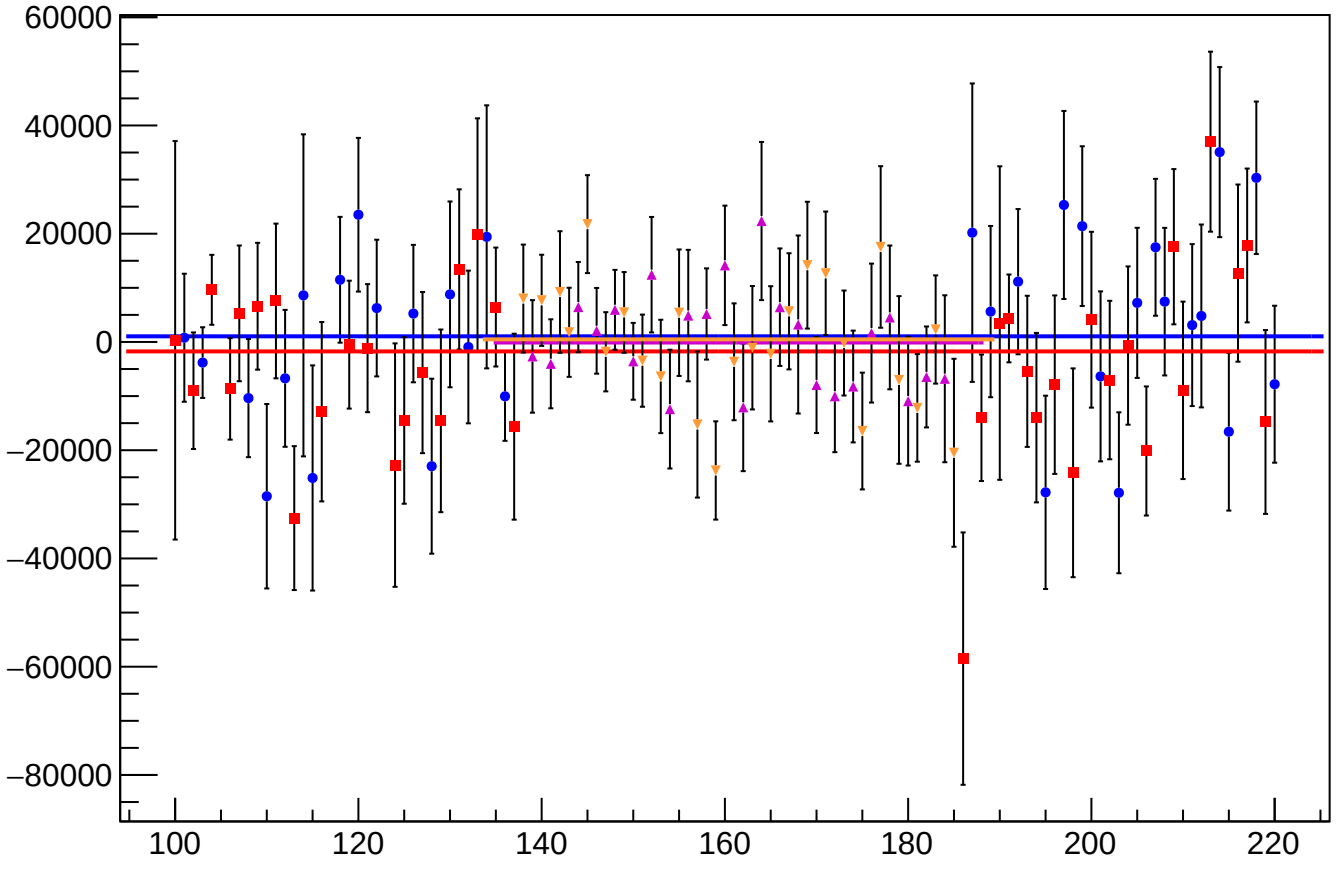
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2660.990+/-0.292 χ^2/NDF: 1611690.4/69

In: 2548.177+/-0.289 χ^2/NDF:1003965.1/55

Out: 2545.323+/-0.285 χ^2/NDF:1051098.8/61

All: 2546.728+/-0.203 χ^2/NDF: 2055113.4/11



Right In: 1042.585+/-2359.978 χ^2/NDF: 39.7/32

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -1746.945+/-2208.167 χ^2/NDF: 39.8/36

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

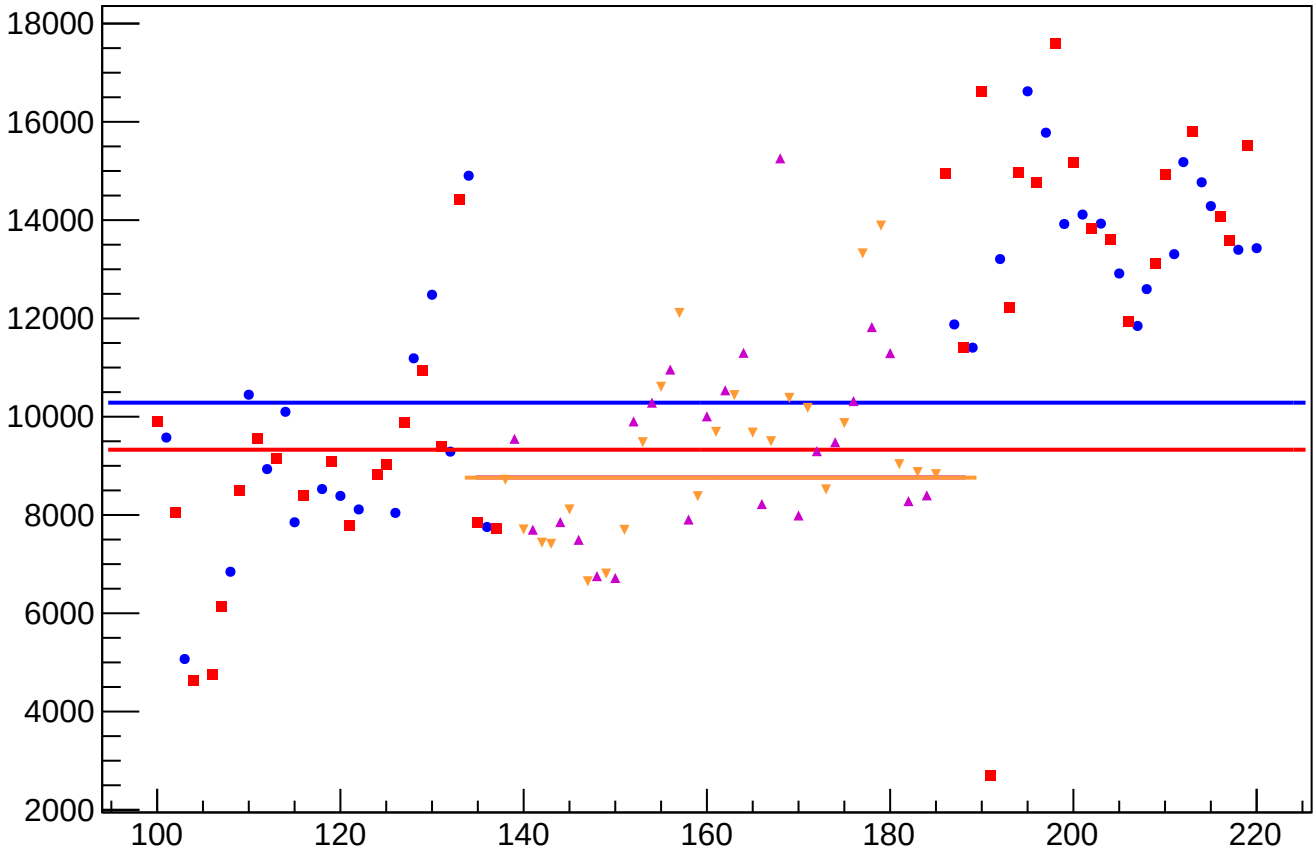
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -444.781+/-1612.409 χ^2/NDF: 80.3/69

In: 399.653+/-1565.013 χ^2/NDF:54.3/55

Out: -544.780+/-1496.826 χ^2/NDF:67.7/61

All: -93.586+/-1081.719 χ^2/NDF: 122.3/117



Right In: 10285.223+/-1.669 χ^2/NDF: 3884651.4/32

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

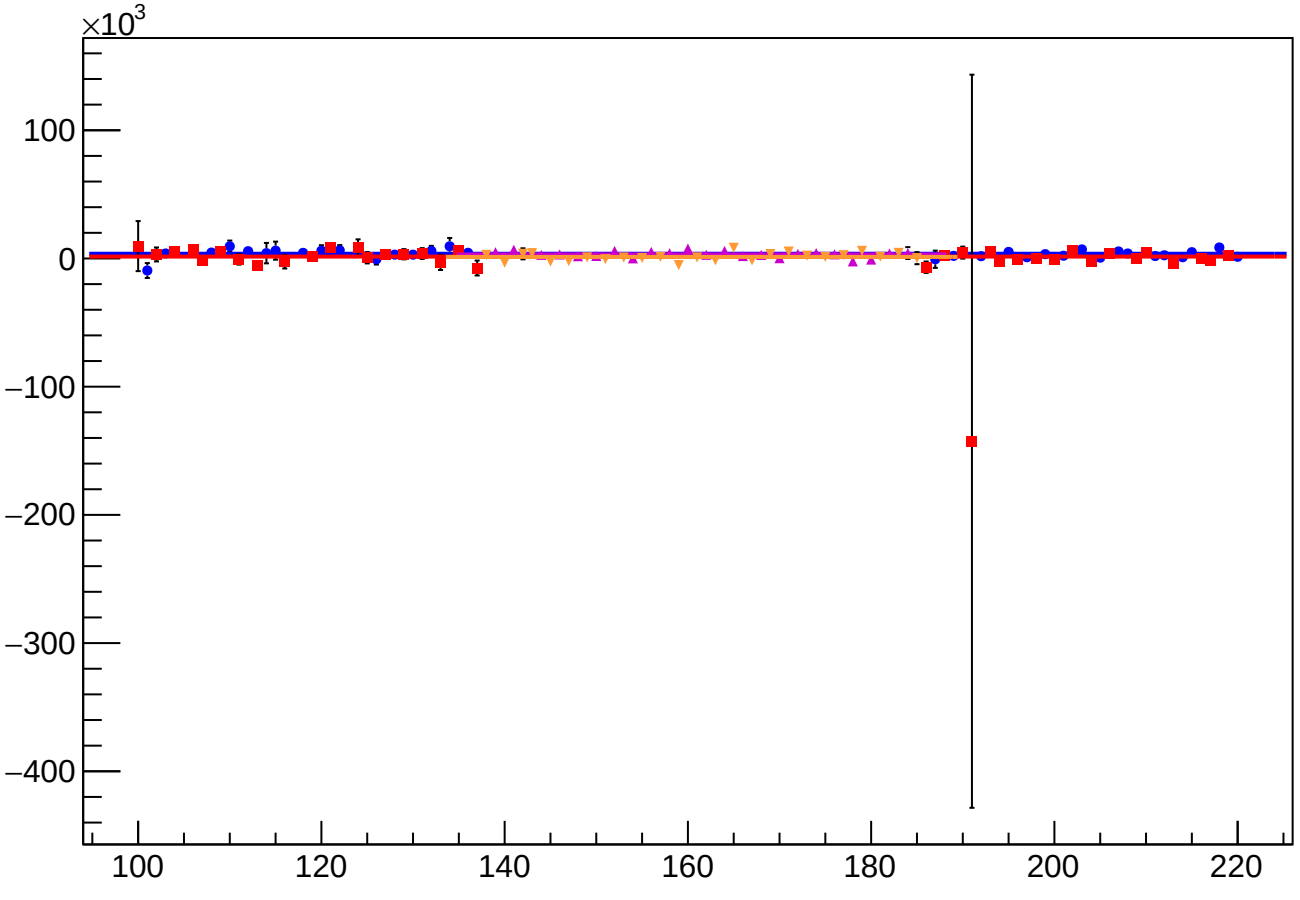
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9774.967+/-1.140 χ^2/NDF: 10569798.3/69

In: 9433.054+/-1.107 χ^2/NDF:5641824.8/55

Out: 9020.904+/-1.058 χ^2/NDF:7803730.7/61

All: 9217.805+/-0.765 χ^2/NDF: 13517997.5/1



Right In: 3691.666+/-601.303 χ^2/NDF: 20.0/32

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1478.841+/-599.605 χ^2/NDF: 37.3/36

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

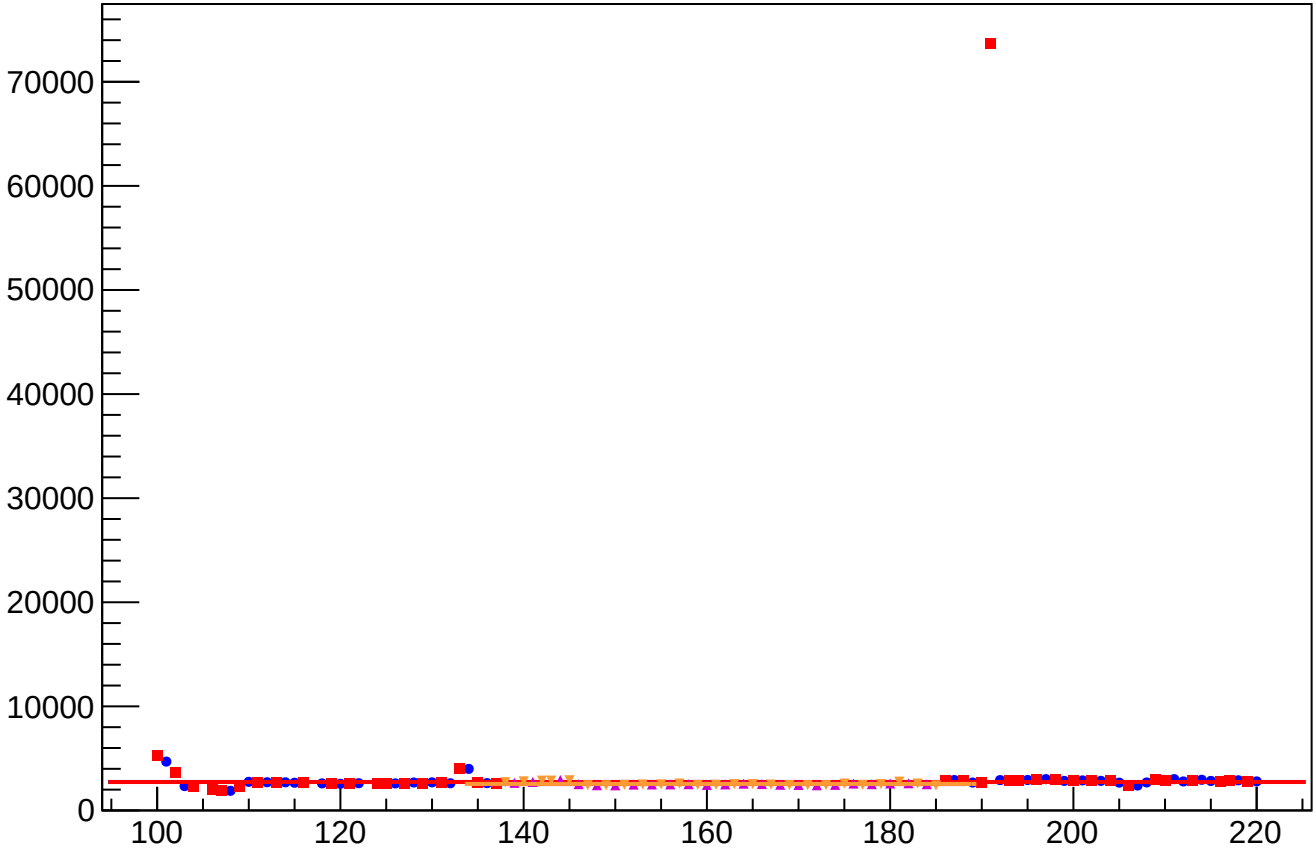
Right: 2582.126+/-424.584 χ^2/NDF: 64.0/69

In: 3416.799+/-421.900 χ^2/NDF:36.8/55

Out: 1341.885+/-416.767 χ^2/NDF:64.2/61

All: 2366.643+/-296.497 χ^2/NDF: 113.3/117

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2738.657+/-0.425 χ^2/NDF: 620880.8/32

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2729.871+/-0.424 χ^2/NDF: 708218.7/36

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

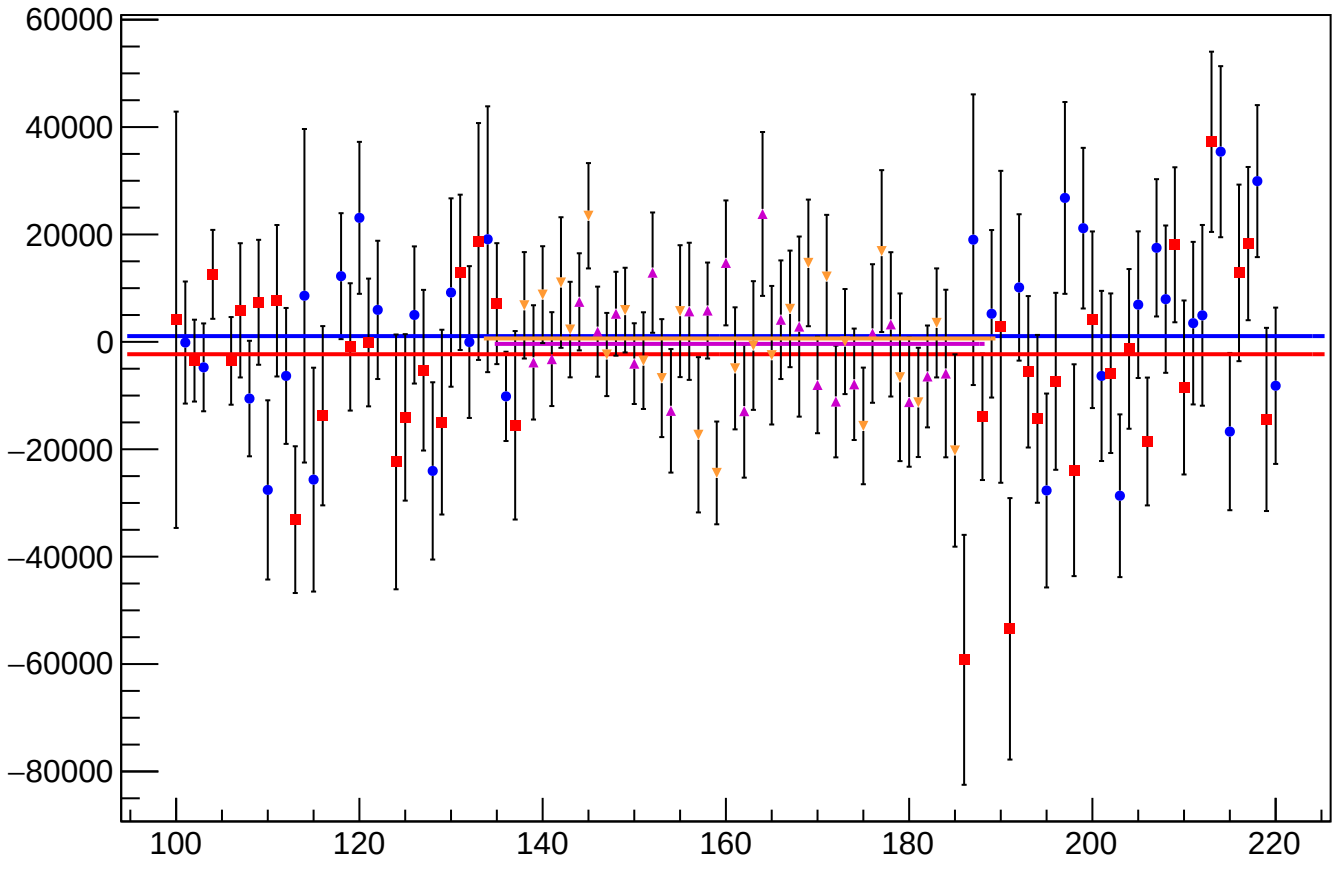
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2734.250+/-0.300 χ^2/NDF: 1329313.6/69

In: 2634.130+/-0.298 χ^2/NDF:808363.1/55

Out: 2635.449+/-0.295 χ^2/NDF:921533.6/61

All: 2634.797+/-0.210 χ^2/NDF: 1729906.6/11



Right In: 1072.343+/-2426.570 χ^2/NDF: 39.4/32

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -2301.156+/-2279.343 χ^2/NDF: 42.2/36

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

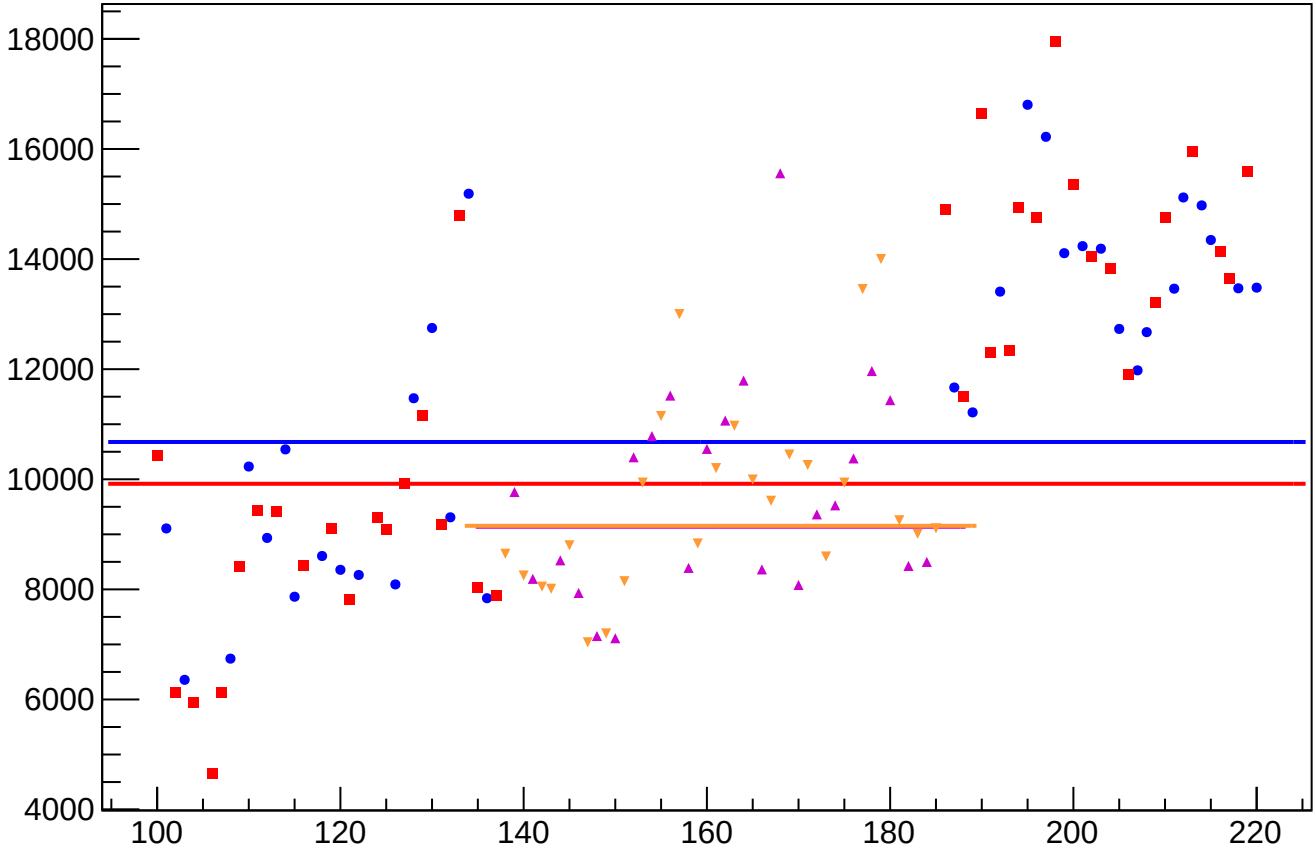
Right: -719.844+/-1661.350 χ^2/NDF: 82.7/69

In: 268.604+/-1620.175 χ^2/NDF:53.9/55

Out: -730.954+/-1553.560 χ^2/NDF:69.8/61

All: -252.146+/-1121.344 χ^2/NDF: 123.8/117

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 10677.629+/-1.716 χ^2/NDF: 3119293.2/32

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9918.263+/-1.612 χ^2/NDF: 4921795.4/36

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

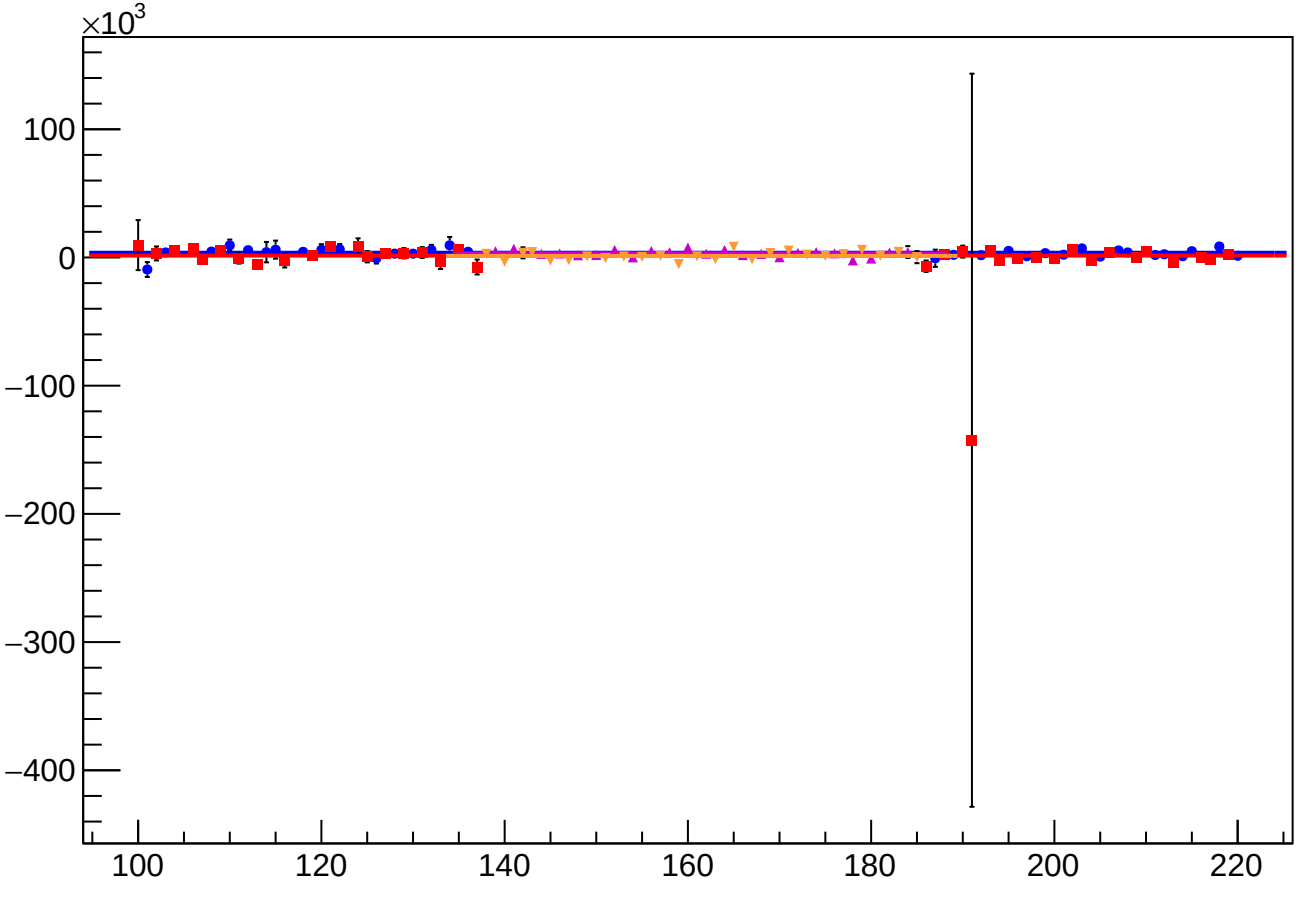
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 10274.212+/-1.175 χ^2/NDF: 8145140.4/69

In: 9824.129+/-1.146 χ^2/NDF:4738546.4/55

Out: 9509.411+/-1.099 χ^2/NDF:6114048.5/61

All: 9660.167+/-0.793 χ^2/NDF: 10891911.1/1



Right In: 3691.655+/-601.303 χ^2/NDF: 20.0/32

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1478.844+/-599.605 χ^2/NDF: 37.3/36

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

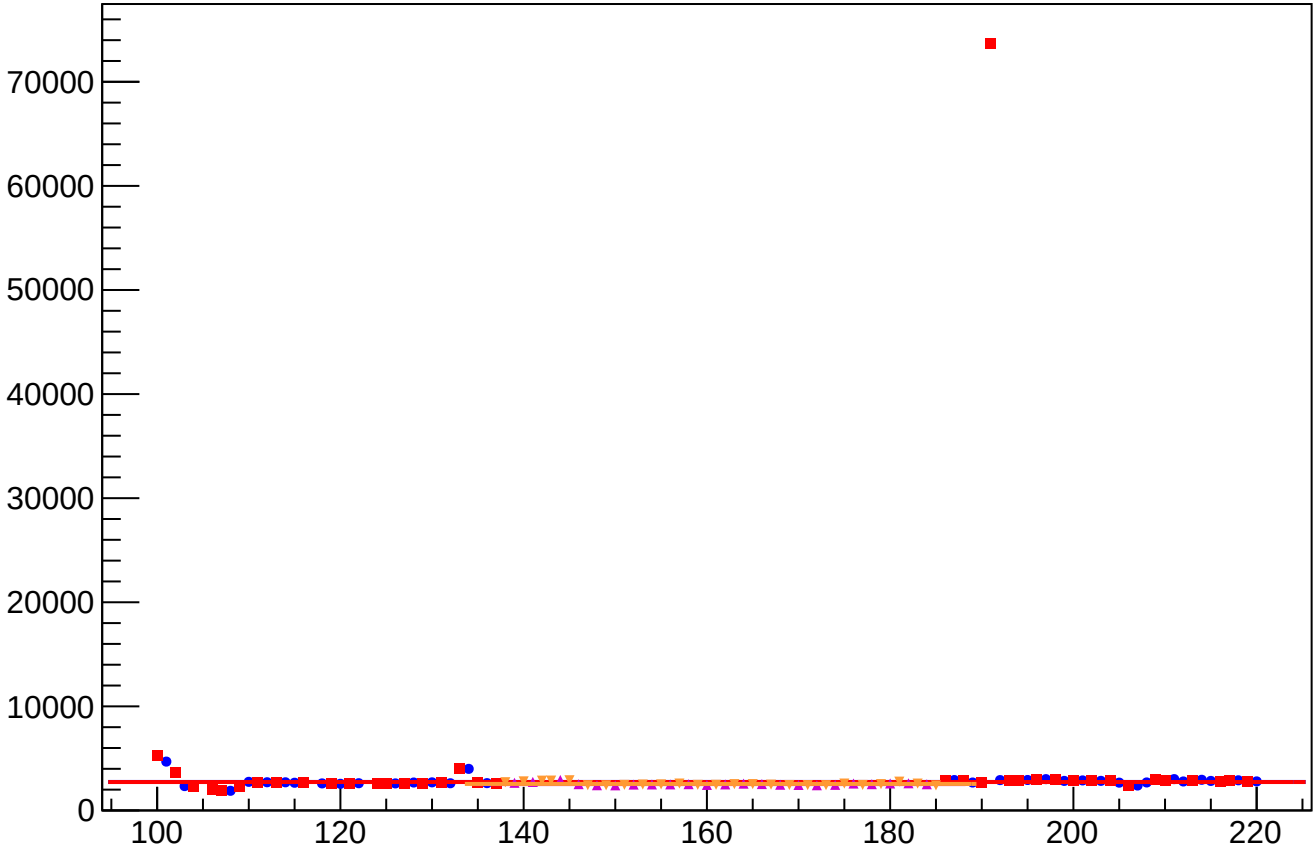
Right: 2582.122+/-424.584 χ^2/NDF: 64.0/69

In: 3416.793+/-421.900 χ^2/NDF:36.8/55

Out: 1341.881+/-416.767 χ^2/NDF:64.2/61

All: 2366.638+/-296.497 χ^2/NDF: 113.3/117

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2738.657+/-0.425 χ^2/NDF: 620881.6/32

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2729.871+/-0.424 χ^2/NDF: 708218.6/36

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

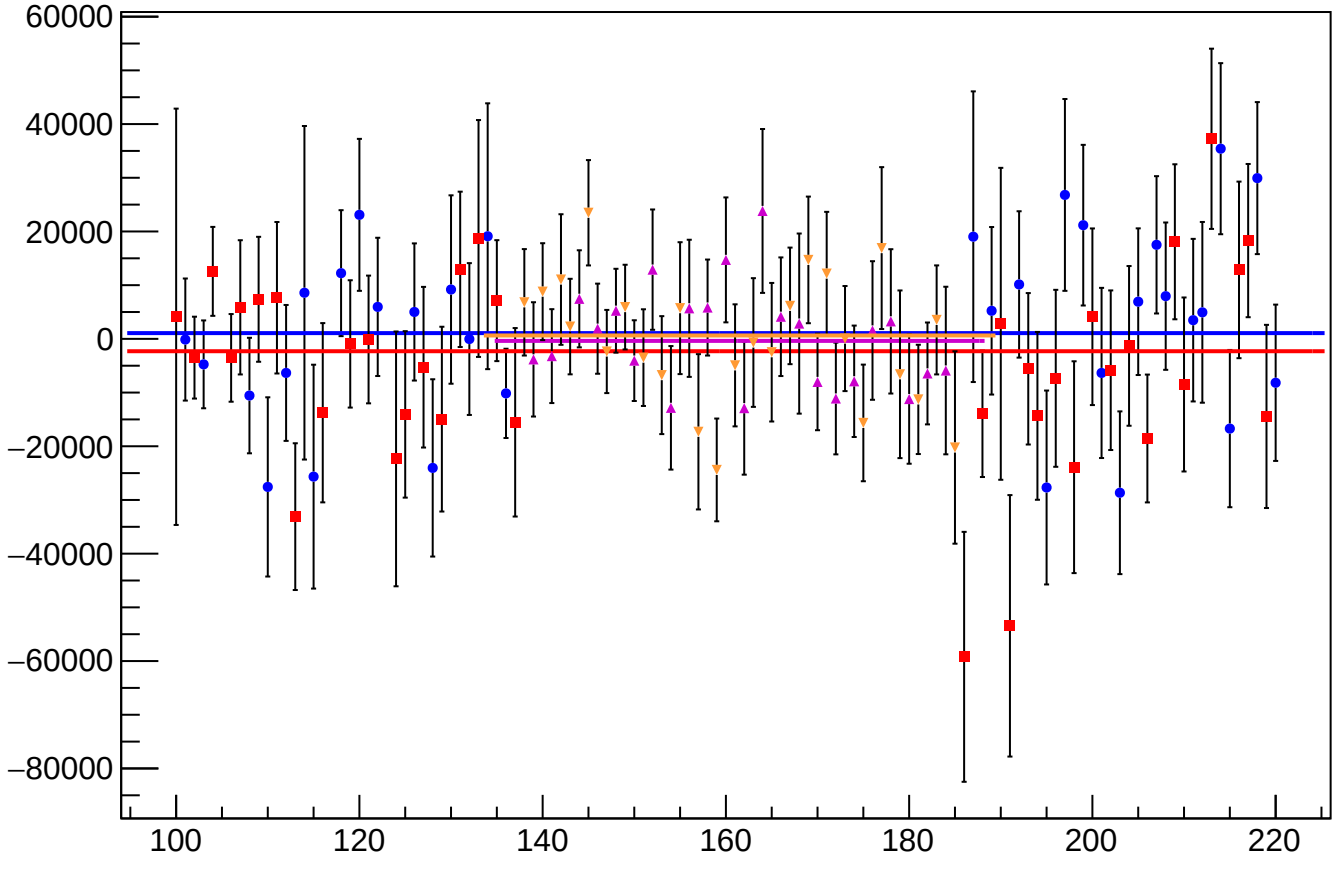
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2734.250+/-0.300 χ^2/NDF: 1329314.3/69

In: 2634.131+/-0.298 χ^2/NDF:808361.1/55

Out: 2635.450+/-0.295 χ^2/NDF:921531.8/61

All: 2634.798+/-0.210 χ^2/NDF: 1729902.8/11



Right In: 1072.355+/-2426.569 χ^2/NDF: 39.4/32

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -2301.148+/-2279.342 χ^2/NDF: 42.2/36

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

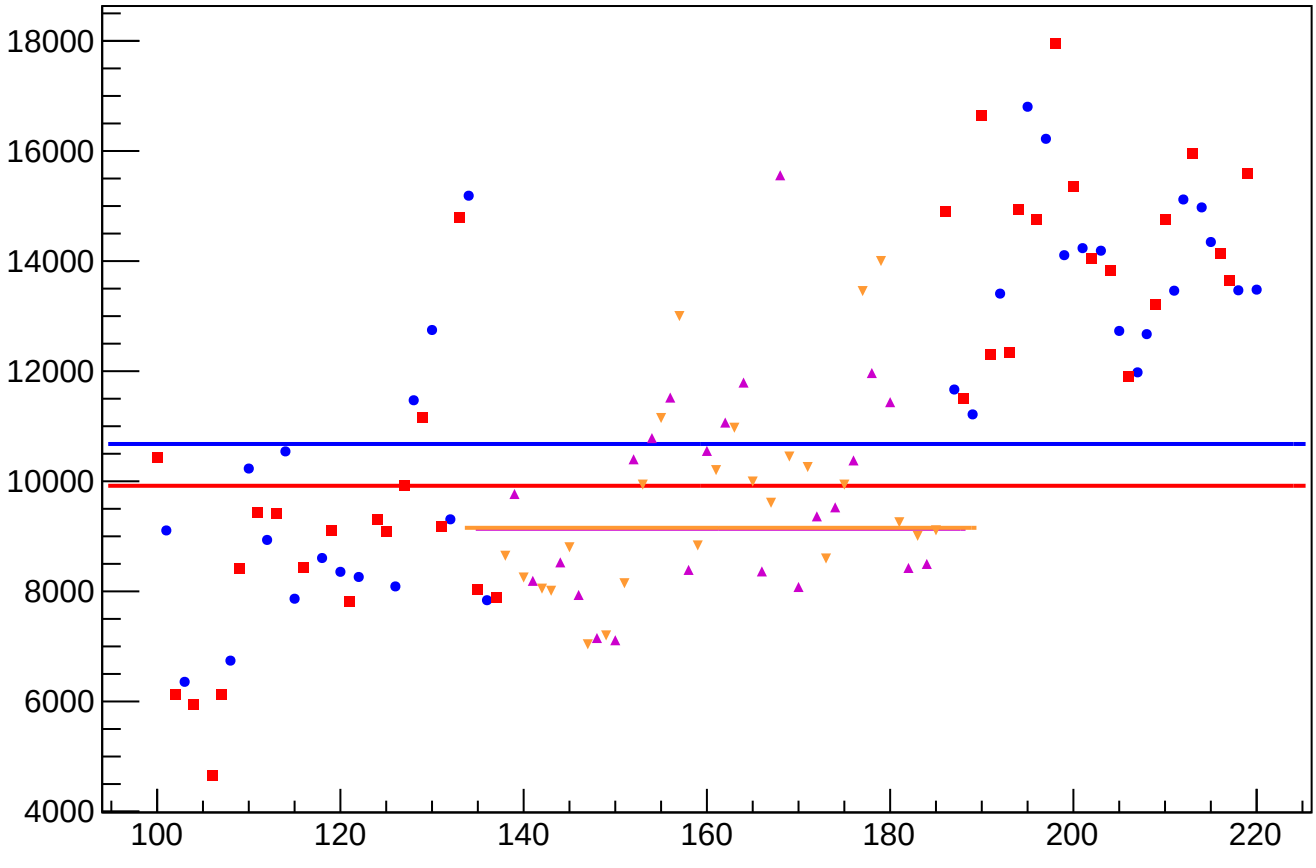
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -719.835+/-1661.349 χ^2/NDF: 82.7/69

In: 268.607+/-1620.176 χ^2/NDF:53.9/55

Out: -730.956+/-1553.561 χ^2/NDF:69.8/61

All: -252.145+/-1121.344 χ^2/NDF: 123.8/117



Right In: 10677.623+/-1.716 χ^2/NDF: 3119309.6/32

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9918.254+/-1.612 χ^2/NDF: 4921821.4/36

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

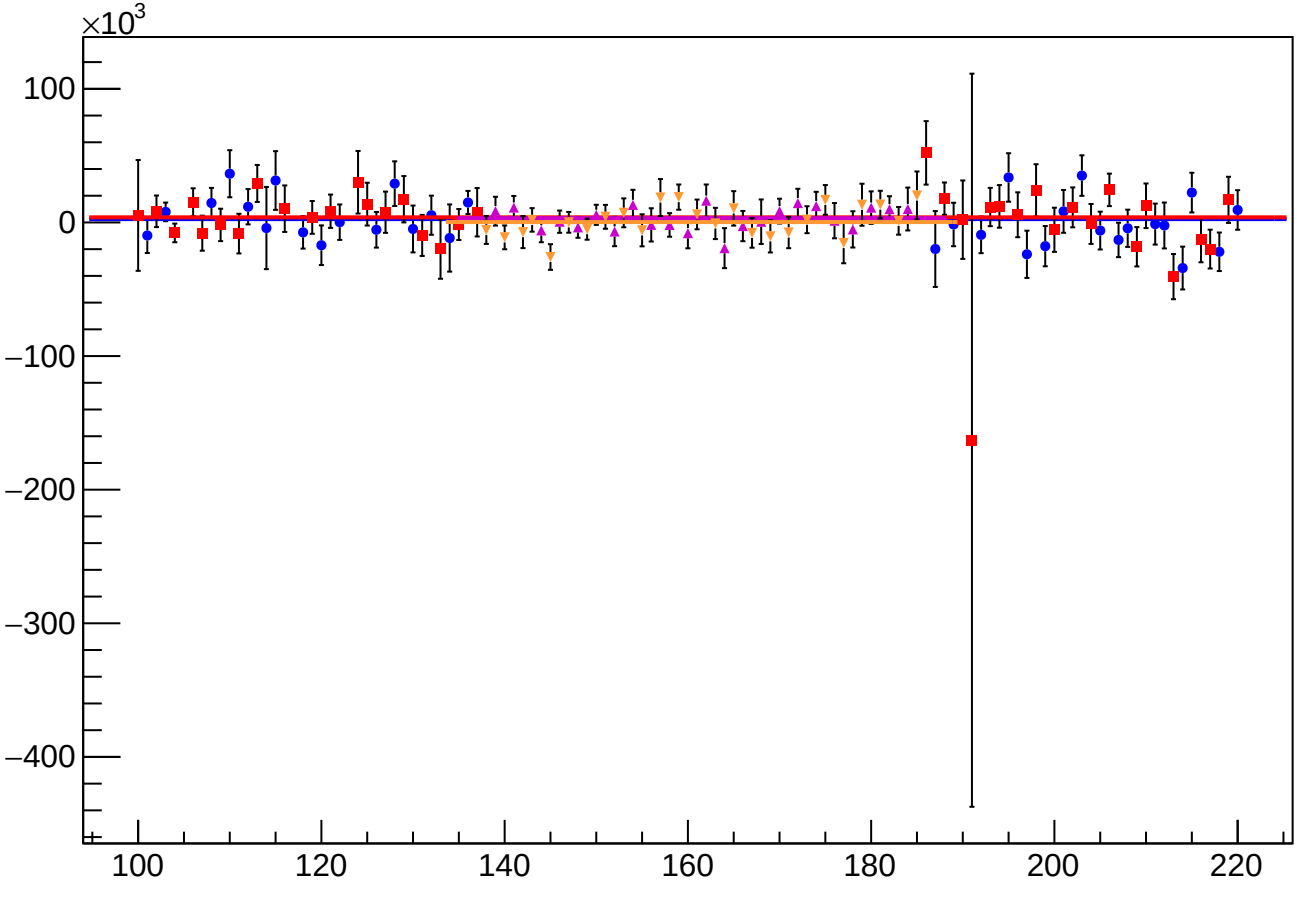
Right: 10274.204+/-1.175 χ^2/NDF: 8145184.0/69

In: 9824.136+/-1.146 χ^2/NDF:4738555.0/55

Out: 9509.415+/-1.099 χ^2/NDF:6114068.7/61

All: 9660.172+/-0.793 χ^2/NDF: 10891940.4/1

asym_atr2_mean vs Slug, Sign Corrected



Right In: 2496.601+/-2453.706 χ^2/NDF: 41.9/32

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 3821.586+/-2399.169 χ^2/NDF: 38.6/36

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

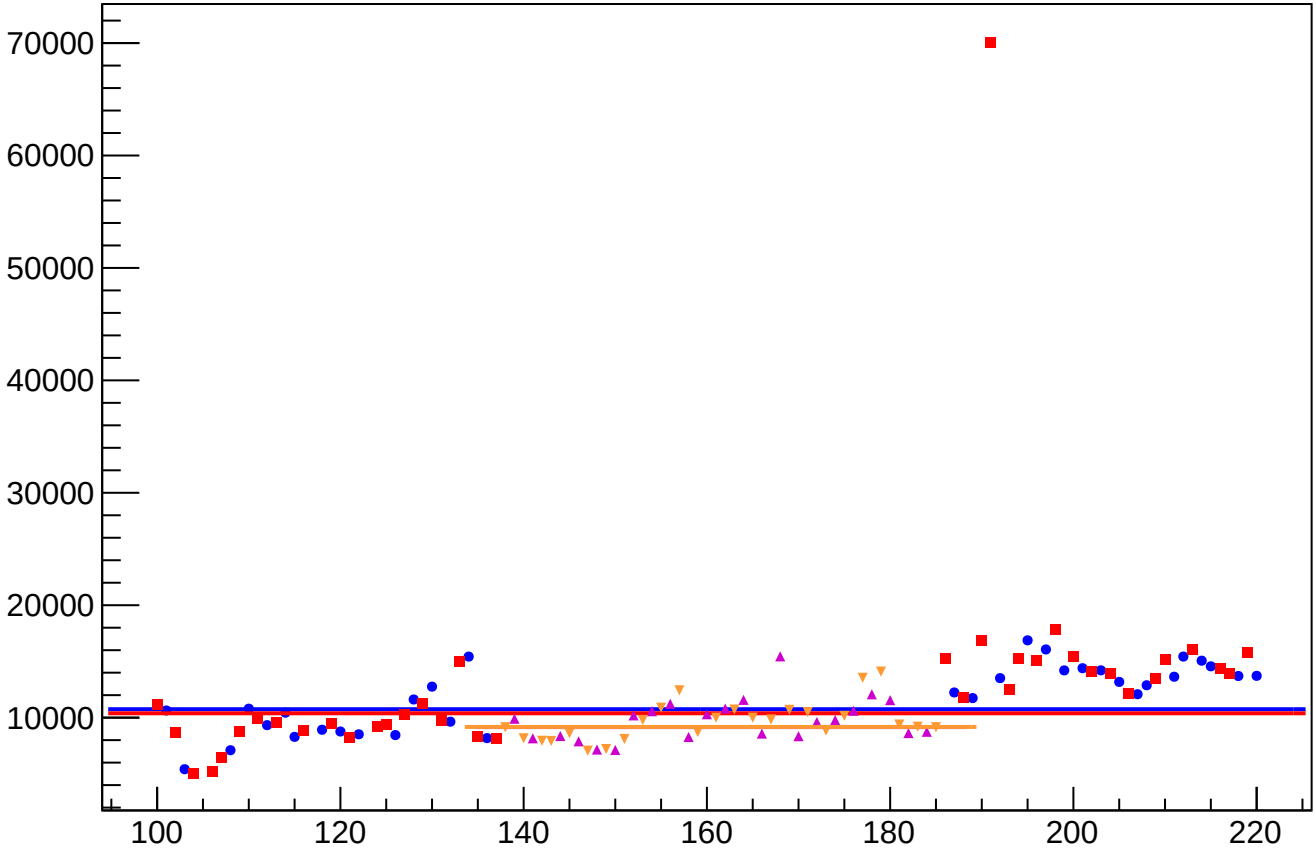
Right: 3173.982+/-1715.425 χ^2/NDF: 80.7/69

In: 2908.546+/-1629.641 χ^2/NDF:55.5/55

Out: 1845.695+/-1590.903 χ^2/NDF:66.2/61

All: 2364.338+/-1138.387 χ^2/NDF: 121.9/117

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10748.606+/-1.735 χ^2/NDF: 3518042.8/32

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 10387.268+/-1.696 χ^2/NDF: 4615249.8/36

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

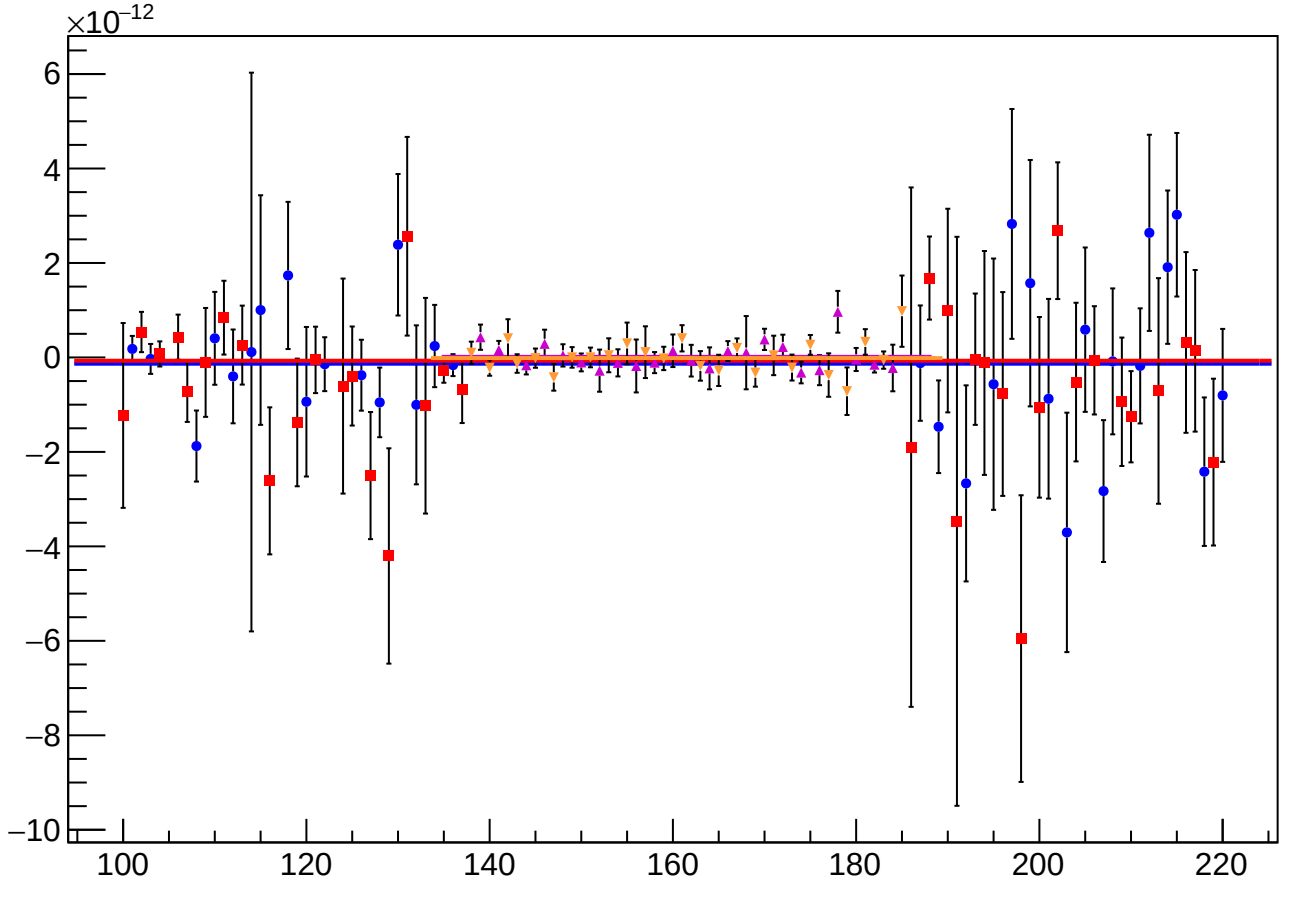
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10563.873+/-1.213 χ^2/NDF: 8155466.5/69

In: 9862.009+/-1.152 χ^2/NDF:5112778.0/55

Out: 9706.839+/-1.125 χ^2/NDF:5959330.2/61

All: 9782.557+/-0.805 χ^2/NDF: 11081392.7/1



Right In: -0.000+/-0.000 χ^2/NDF: 33.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/36

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

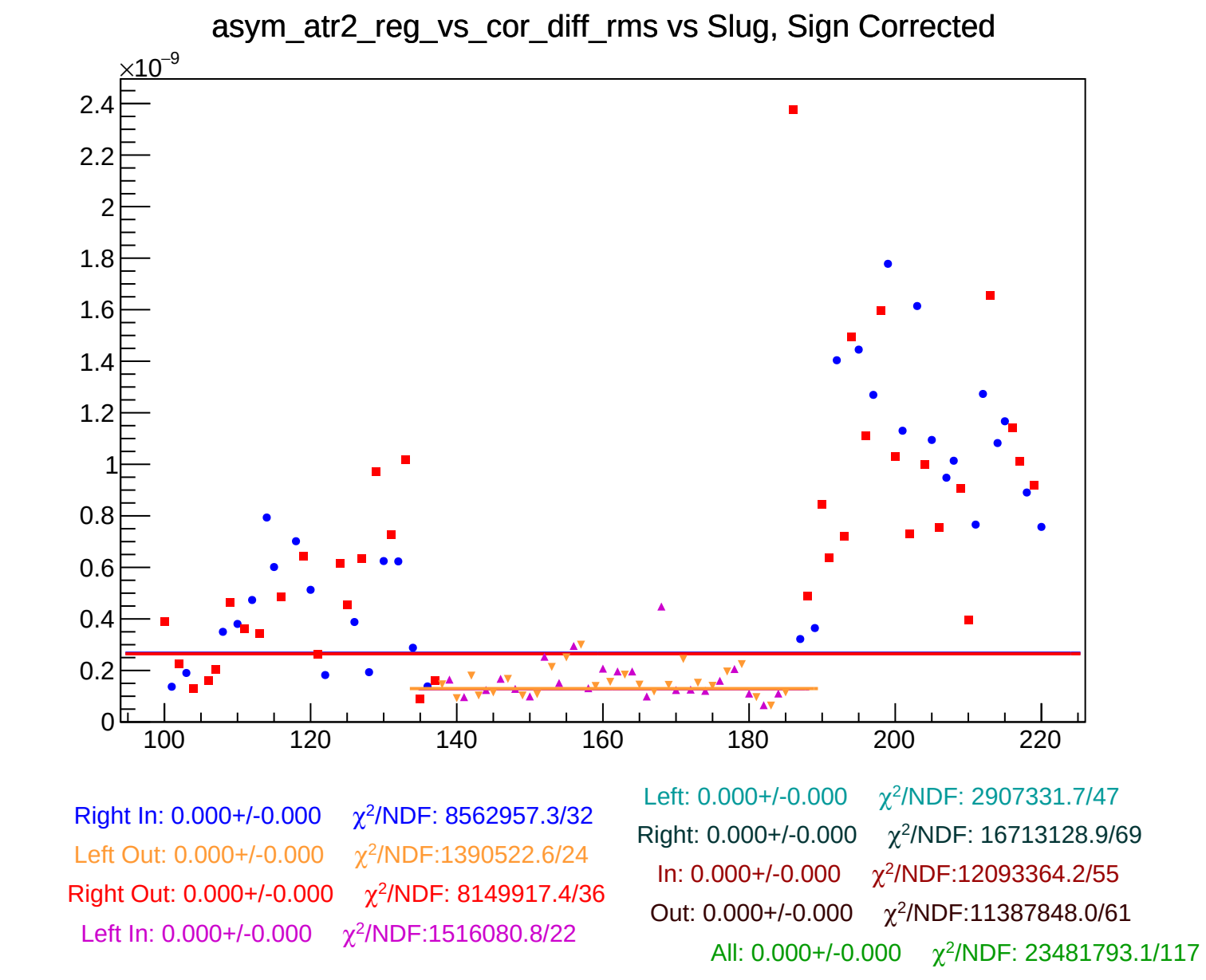
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

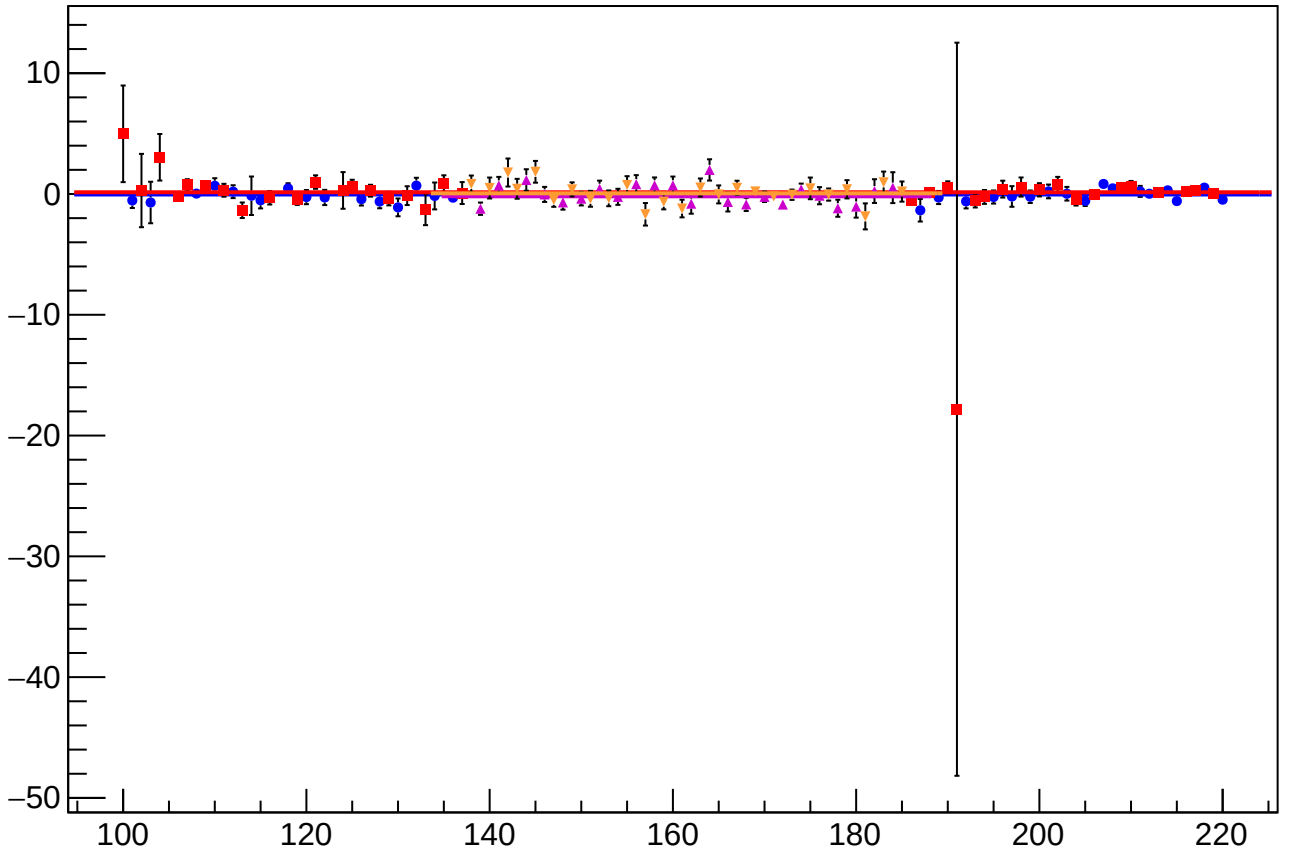
Right: -0.000+/-0.000 χ^2/NDF: 69.2/69

In: -0.000+/-0.000 χ^2/NDF:53.8/55

Out: -0.000+/-0.000 χ^2/NDF:55.1/61

All: -0.000+/-0.000 χ^2/NDF: 108.9/117


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8562957.3/32
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 8149917.4/36
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 16713128.9/69
In: 0.000+/-0.000 χ²/NDF:12093364.2/55
Out: 0.000+/-0.000 χ²/NDF:11387848.0/61
All: 0.000+/-0.000 χ²/NDF: 23481793.1/117



Right In: -0.040+/-0.084 χ^2/NDF: 33.3/32

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

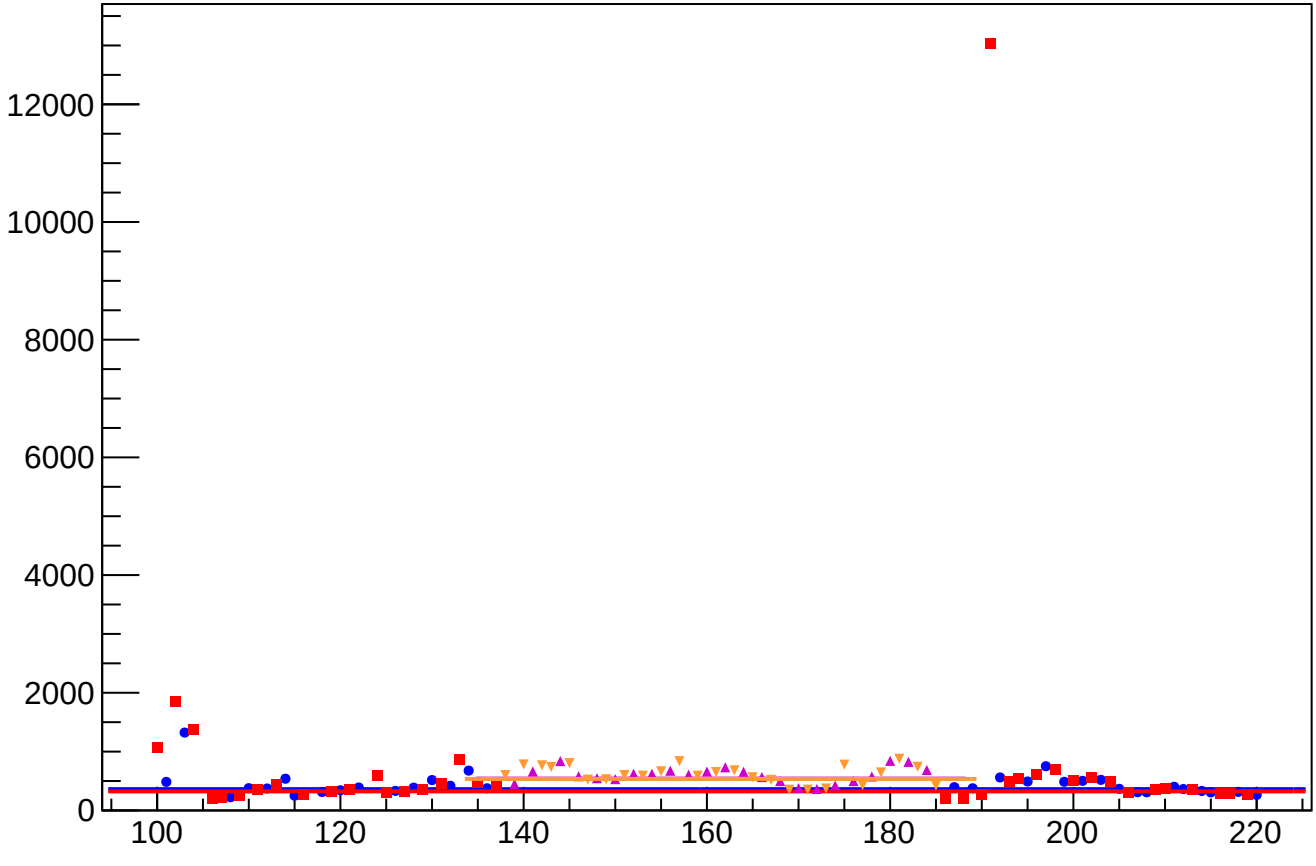
Right: 0.058+/-0.057 χ^2/NDF: 73.3/69

In: -0.083+/-0.071 χ^2/NDF:65.4/55

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.024+/-0.049 χ^2/NDF: 132.2/117

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 361.914+/-0.059 χ^2/NDF: 2991611.3/32

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

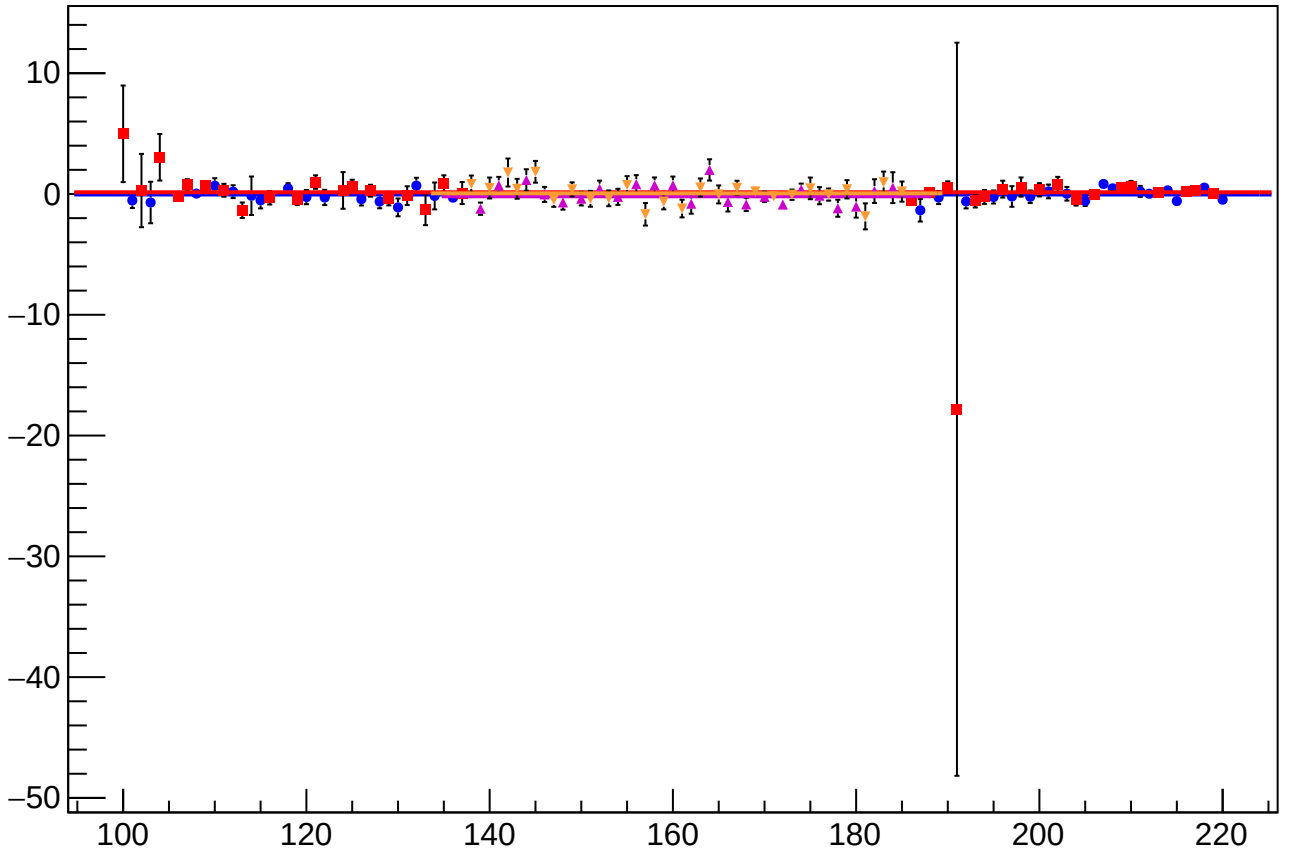
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 341.659+/-0.040 χ^2/NDF: 8886393.8/69

In: 412.645+/-0.050 χ^2/NDF:7483544.6/55

Out: 380.291+/-0.047 χ^2/NDF:12357063.1/61

All: 395.468+/-0.034 χ^2/NDF: 20061730.8/1



Right In: -0.040+/-0.084 χ^2/NDF: 33.3/32

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

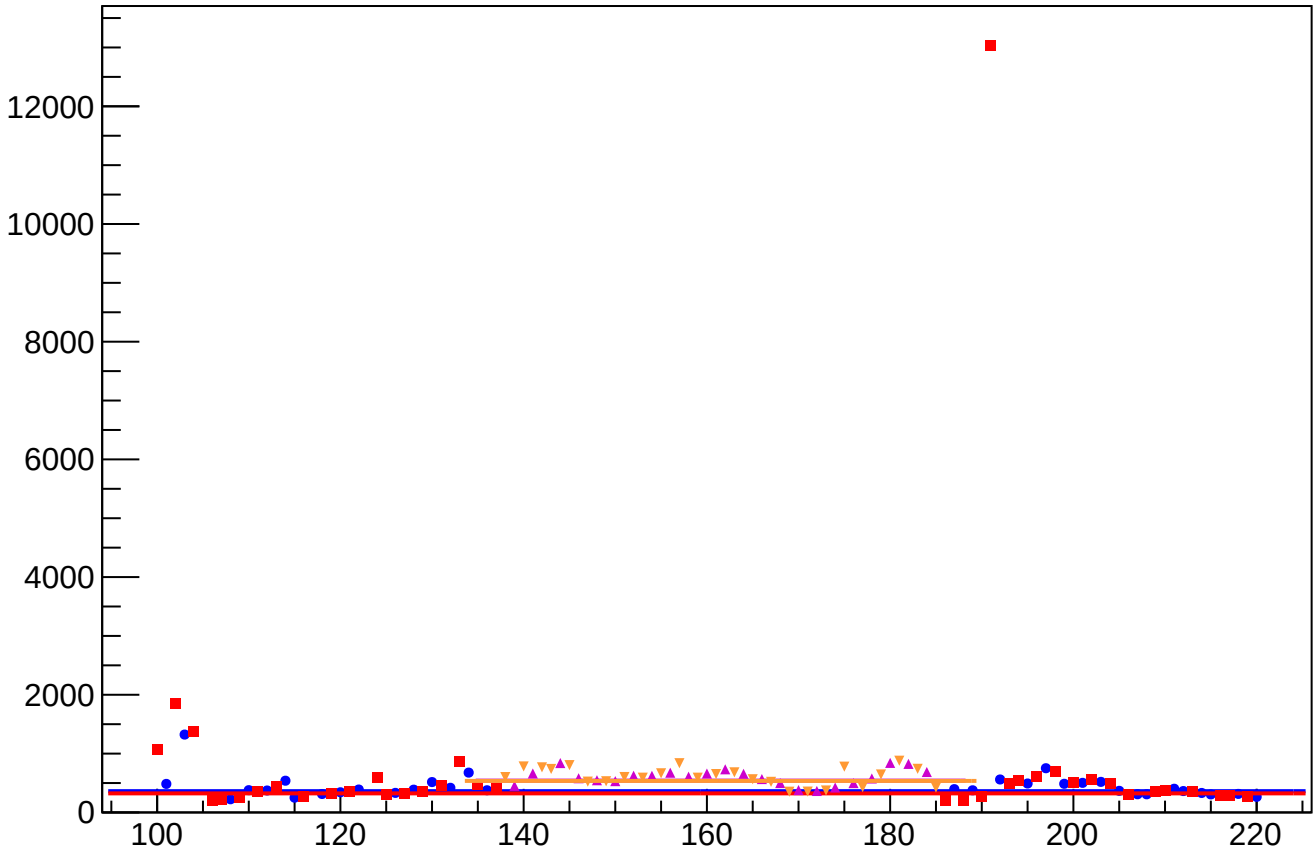
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.058+/-0.057 χ^2/NDF: 73.3/69

In: -0.083+/-0.071 χ^2/NDF:65.4/55

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.024+/-0.049 χ^2/NDF: 132.2/117



Right In: 361.914+/-0.059 χ^2/NDF: 2991611.3/32

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

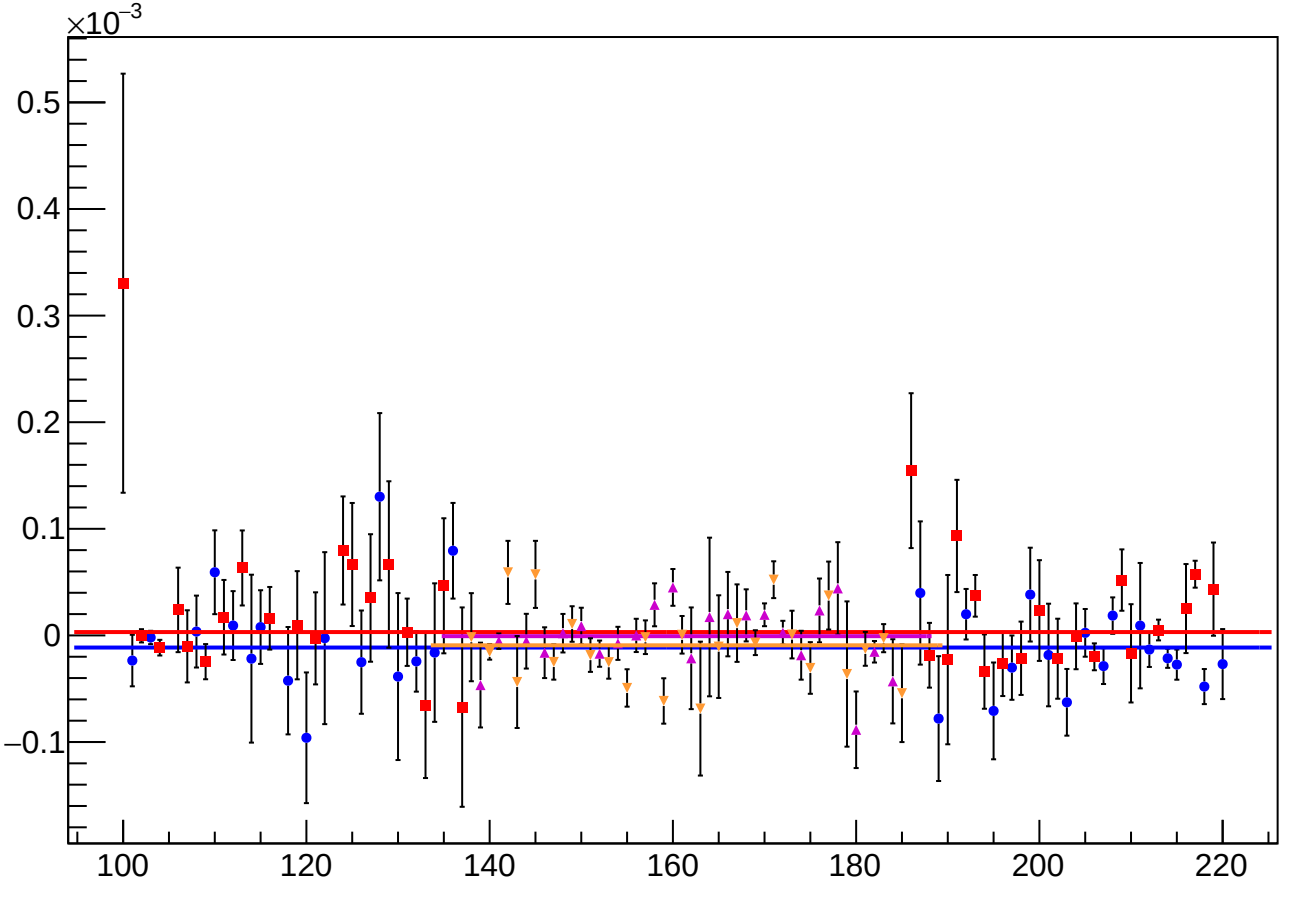
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 341.659+/-0.040 χ^2/NDF: 8886393.8/69

In: 412.645+/-0.050 χ^2/NDF:7483544.6/55

Out: 380.291+/-0.047 χ^2/NDF:12357063.1/61

All: 395.468+/-0.034 χ^2/NDF: 20061730.8/1



Right In: -0.000+/-0.000 χ^2/NDF: 38.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 60.4/36

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

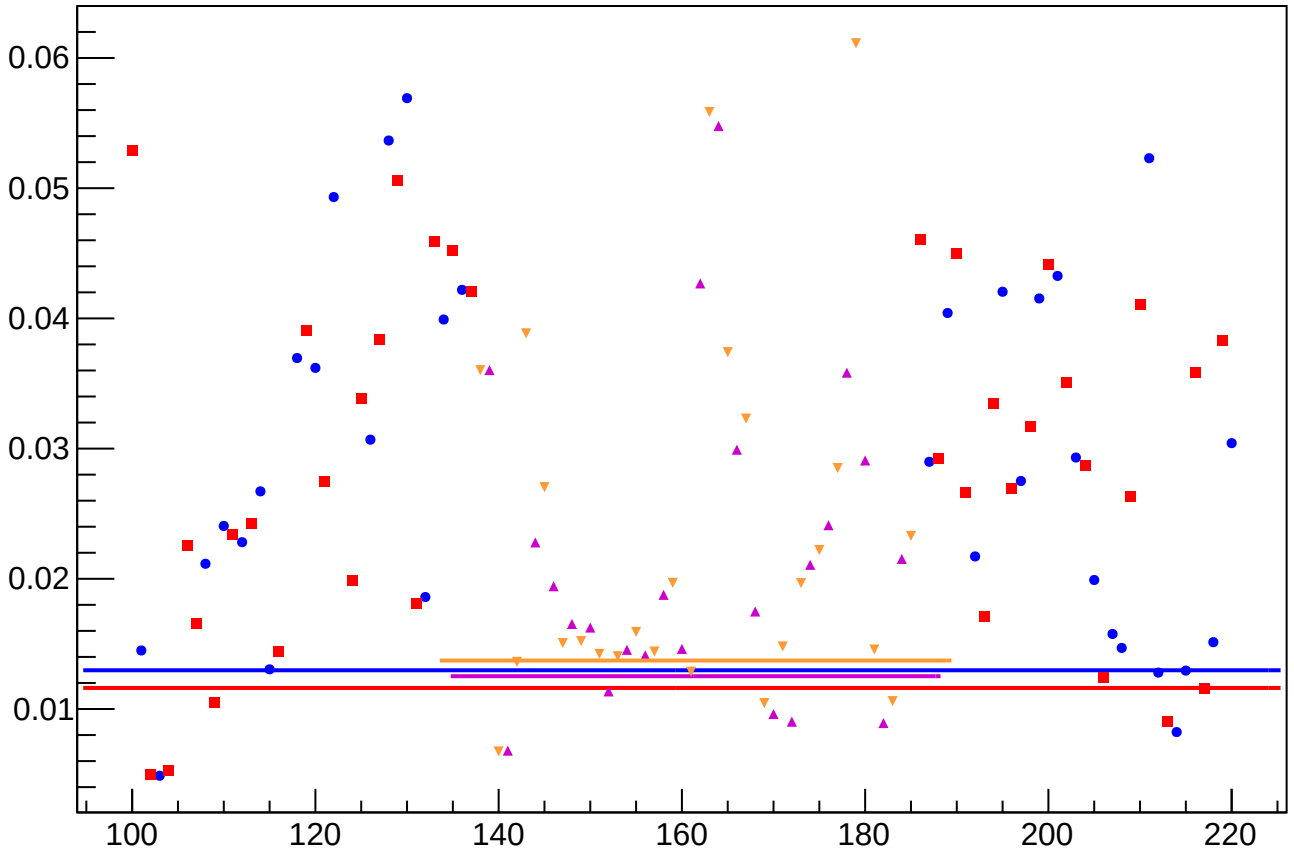
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 107.9/69

In: -0.000+/-0.000 χ^2/NDF:73.4/55

Out: -0.000+/-0.000 χ^2/NDF:112.0/61

All: -0.000+/-0.000 χ^2/NDF: 186.2/117



Right In: 0.013+/-0.000 χ^2/NDF: 14333594.6/32

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 17042047.4/36

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

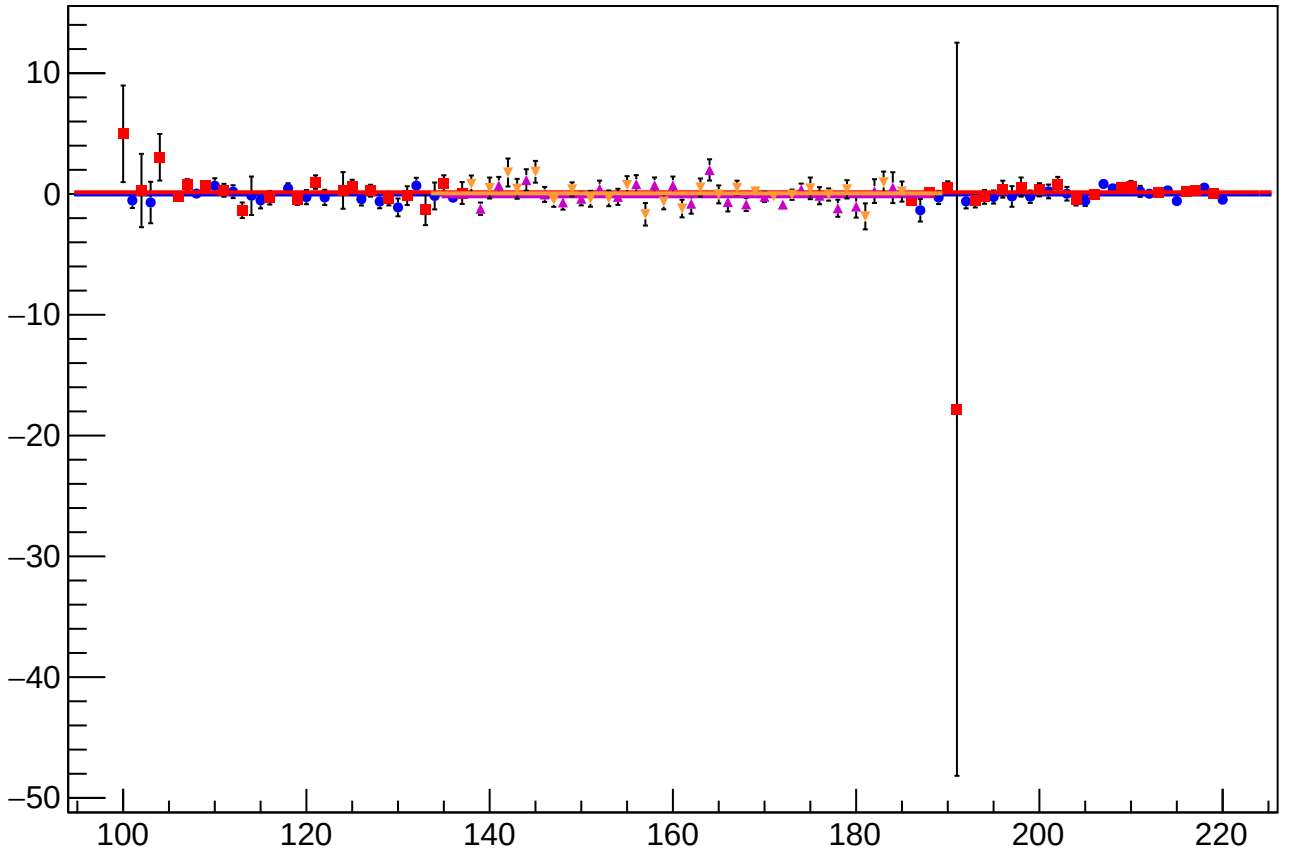
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 31527489.5/69

In: 0.013+/-0.000 χ^2/NDF:21471649.5/55

Out: 0.013+/-0.000 χ^2/NDF:25130545.8/61

All: 0.013+/-0.000 χ^2/NDF: 46605913.4/117



Right In: -0.040+/-0.084 χ^2/NDF: 33.3/32

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

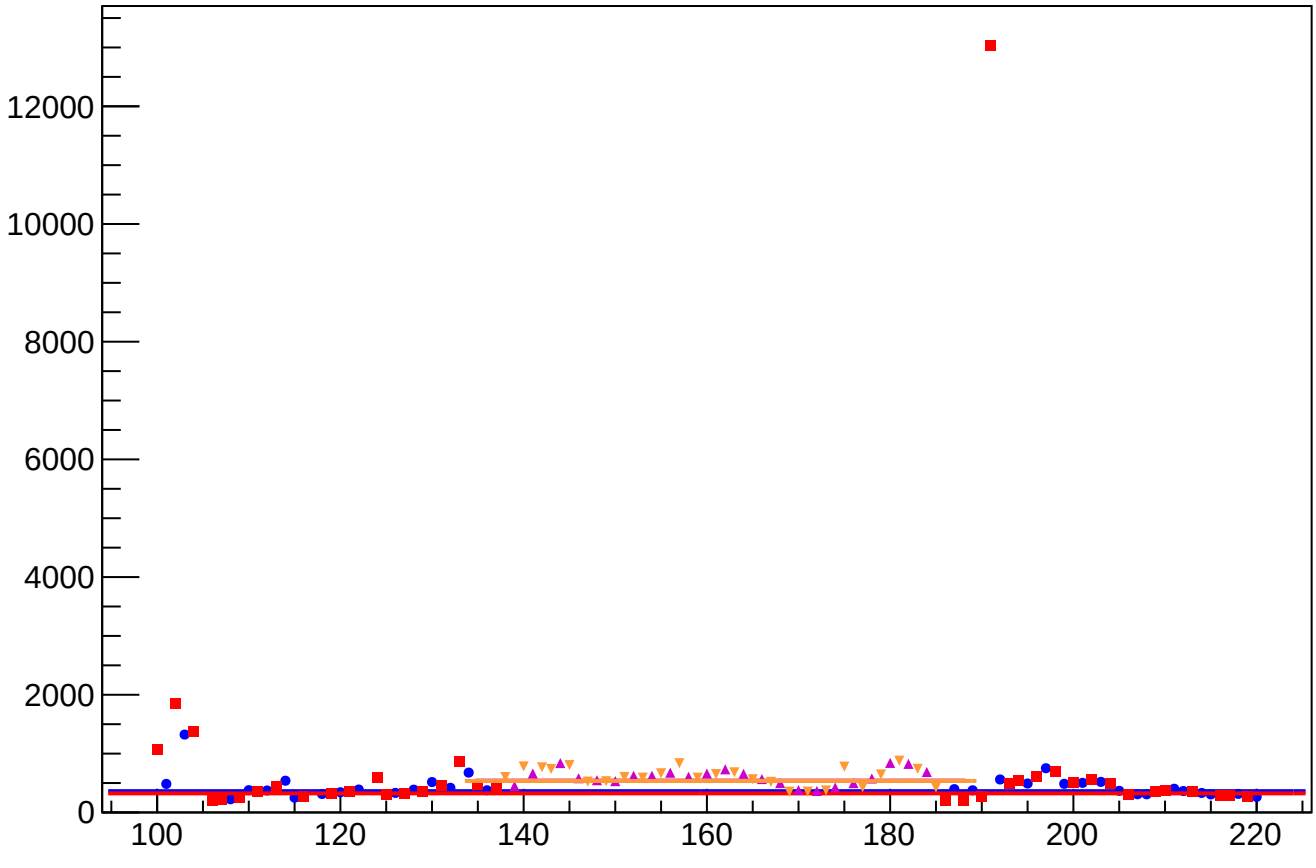
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.058+/-0.057 χ^2/NDF: 73.3/69

In: -0.083+/-0.071 χ^2/NDF:65.4/55

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.024+/-0.049 χ^2/NDF: 132.2/117



Right In: 361.911+/-0.059 χ^2/NDF: 2991648.5/32

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

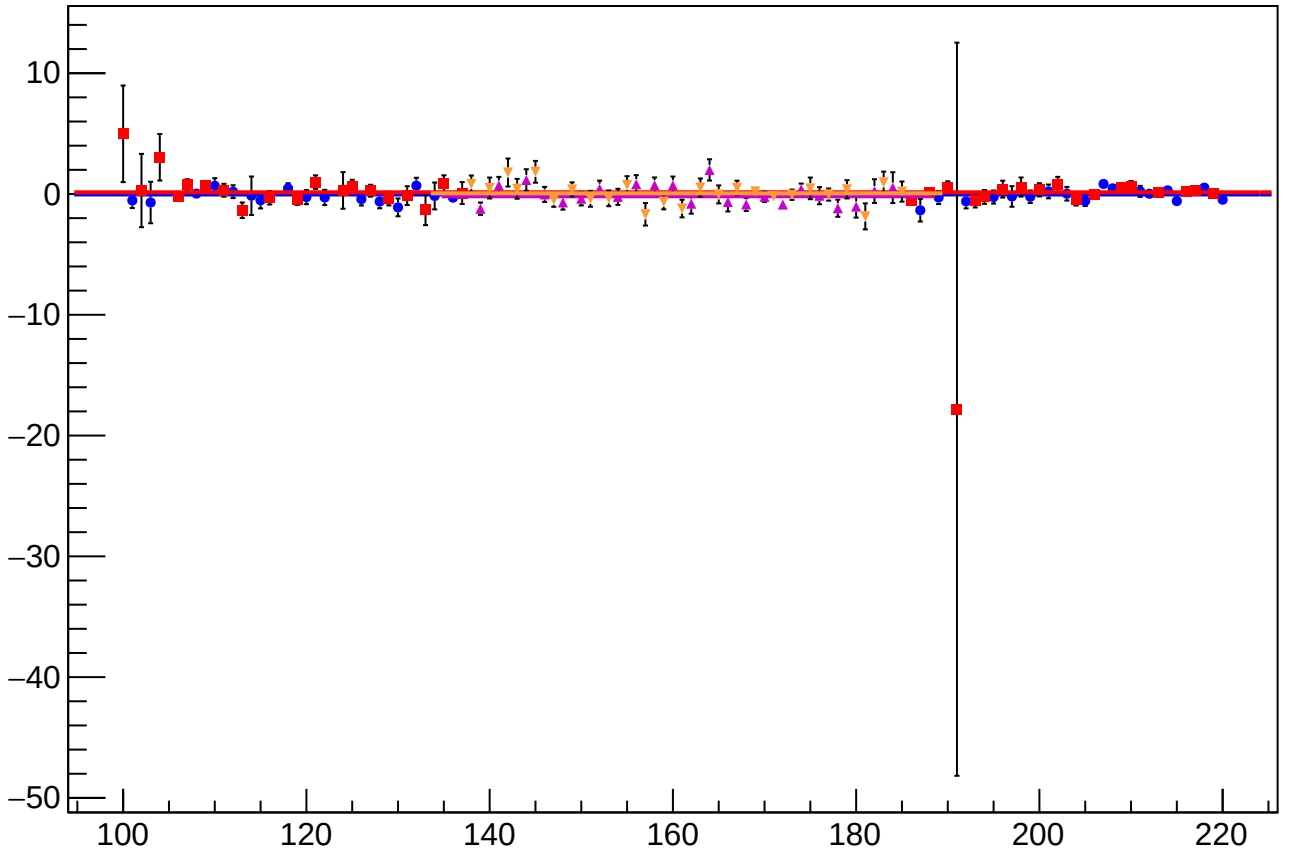
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 341.659+/-0.040 χ^2/NDF: 8886336.5/69

In: 412.644+/-0.050 χ^2/NDF:7483801.4/55

Out: 380.292+/-0.047 χ^2/NDF:12357183.3/61

All: 395.468+/-0.034 χ^2/NDF: 20062082.1/11



Right In: -0.040+/-0.084 χ^2/NDF: 33.3/32

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.142+/-0.078 χ^2/NDF: 37.4/36

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

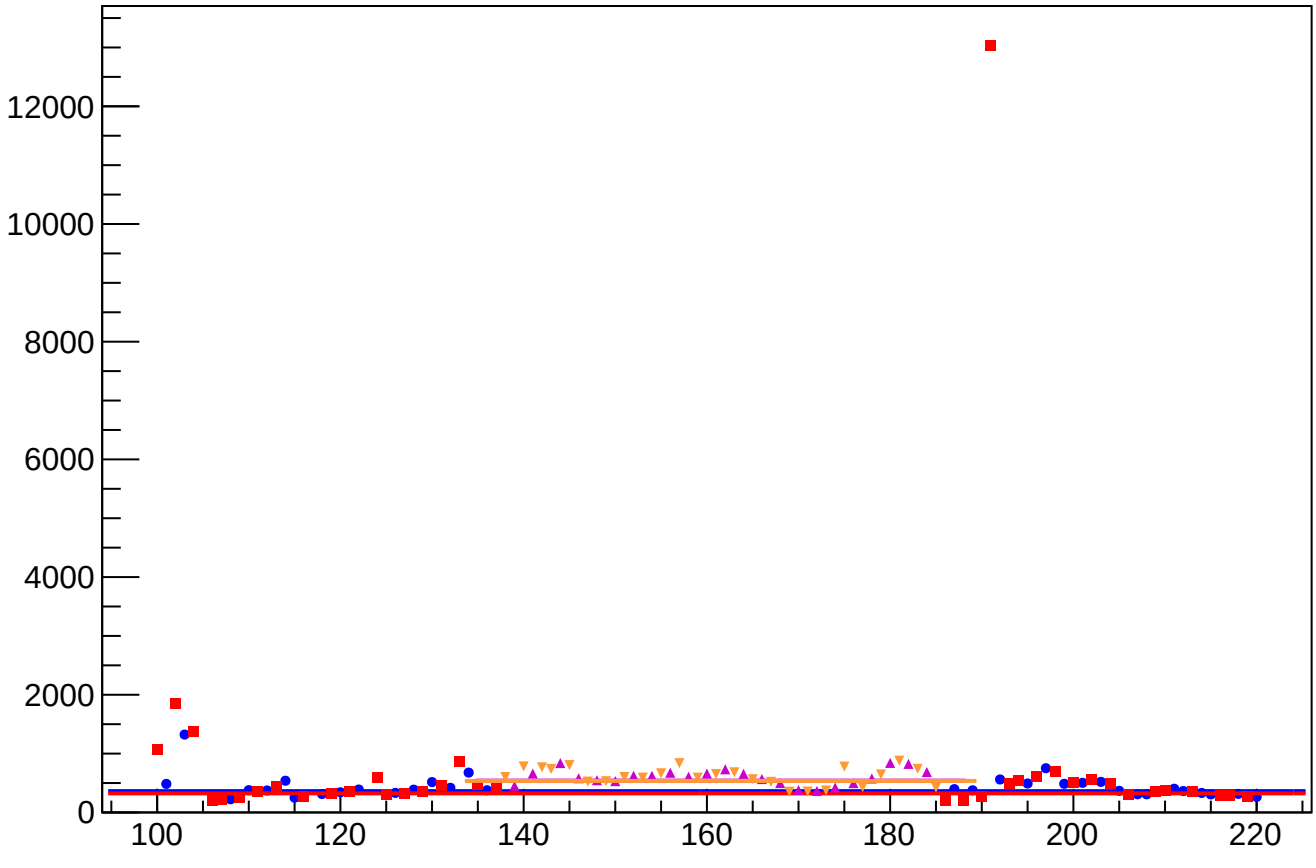
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.058+/-0.057 χ^2/NDF: 73.3/69

In: -0.083+/-0.071 χ^2/NDF:65.4/55

Out: 0.119+/-0.067 χ^2/NDF:62.5/61

All: 0.024+/-0.049 χ^2/NDF: 132.2/117



Right In: 361.911+/-0.059 χ^2/NDF: 2991648.5/32

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

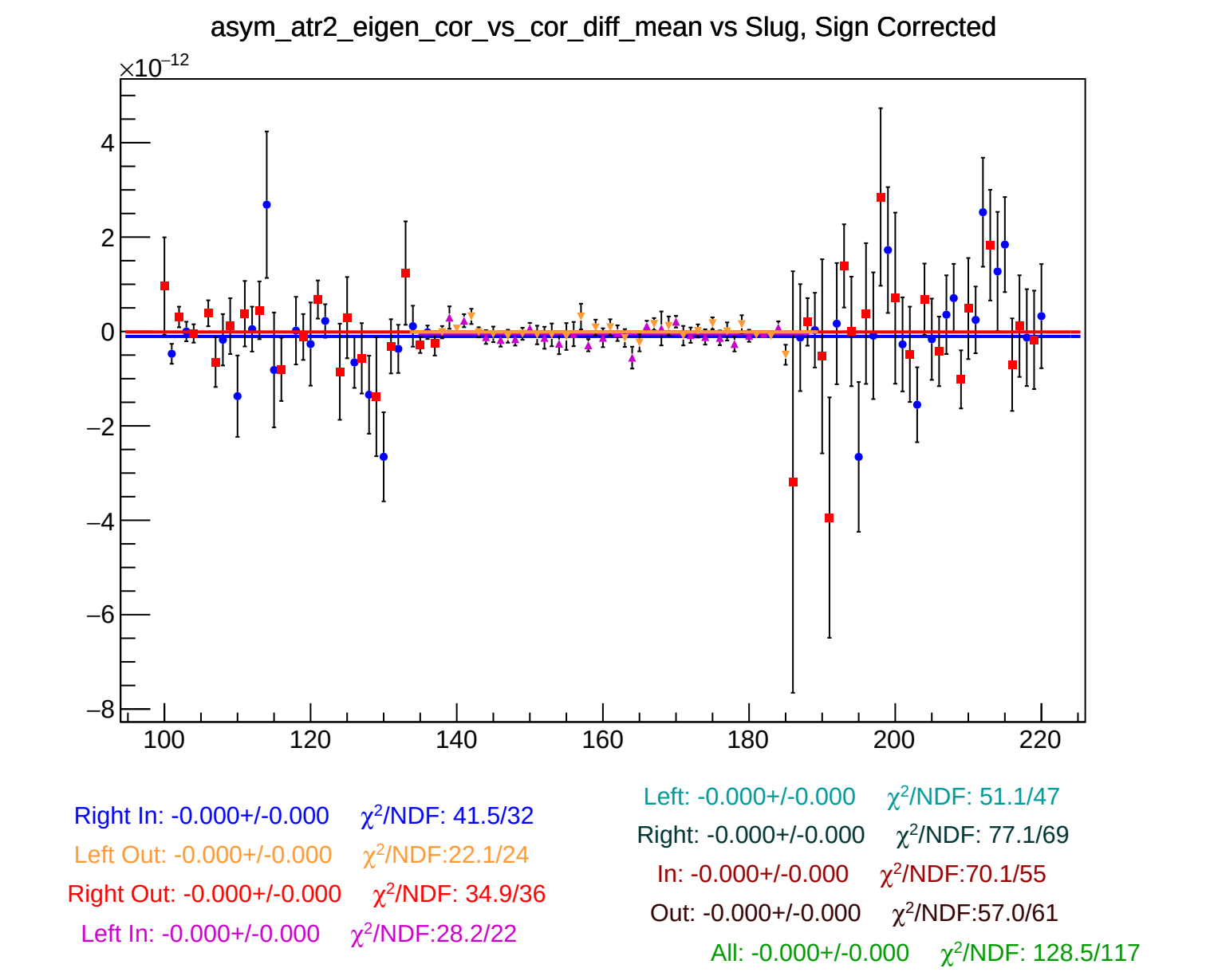
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

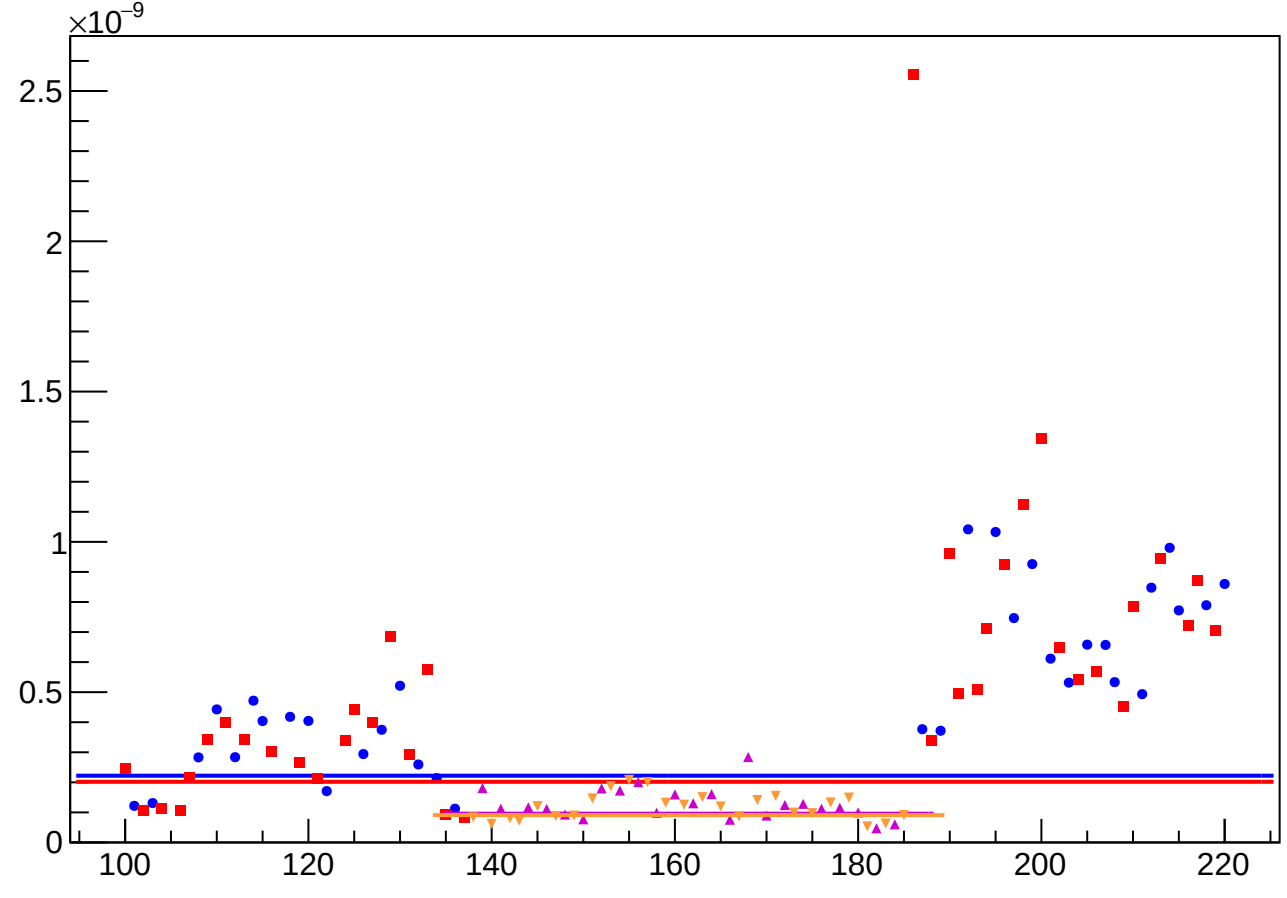
Right: 341.659+/-0.040 χ^2/NDF: 8886336.5/69

In: 412.644+/-0.050 χ^2/NDF:7483801.4/55

Out: 380.292+/-0.047 χ^2/NDF:12357183.3/61

All: 395.468+/-0.034 χ^2/NDF: 20062082.1/11


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 41.5/32
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.9/36
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 77.1/69
In: -0.000+/-0.000 χ²/NDF:70.1/55
Out: -0.000+/-0.000 χ²/NDF:57.0/61
All: -0.000+/-0.000 χ²/NDF: 128.5/117



Right In: 0.000+/-0.000 χ^2/NDF: 10719410.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11842987.3/36

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

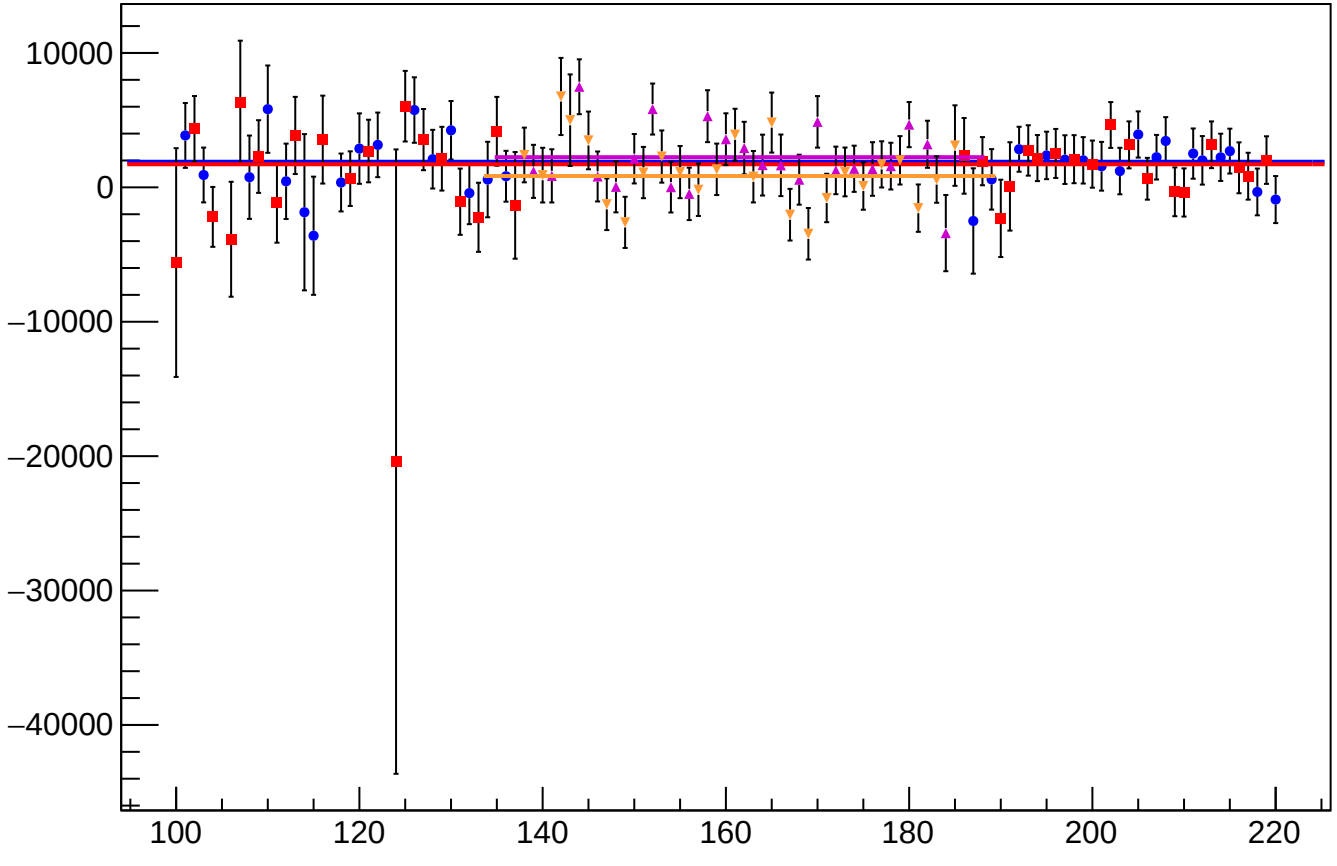
Right: 0.000+/-0.000 χ^2/NDF: 22626512.5/69

In: 0.000+/-0.000 χ^2/NDF:18851157.6/55

Out: 0.000+/-0.000 χ^2/NDF:18761865.3/61

All: 0.000+/-0.000 χ^2/NDF: 37677824.4/117

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1905.224+/-360.214 χ^2/NDF: 19.9/32

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1718.741+/-362.803 χ^2/NDF: 30.1/36

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

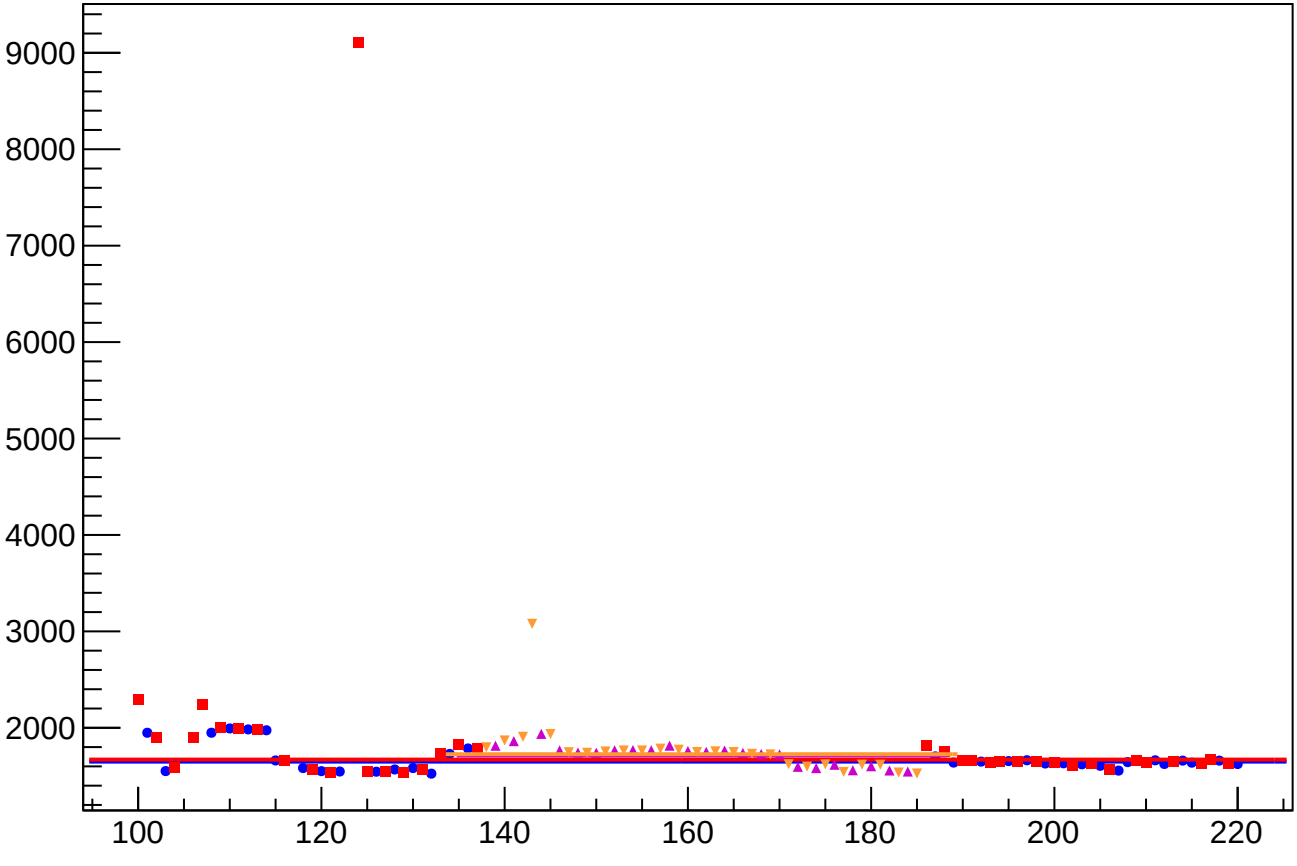
Right: 1812.651+/-255.620 χ^2/NDF: 50.1/69

In: 2057.081+/-267.899 χ^2/NDF:49.7/55

Out: 1316.746+/-267.027 χ^2/NDF:63.1/61

All: 1685.706+/-189.124 χ^2/NDF: 116.7/117

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1649.571+/-0.255 χ^2/NDF: 156007.6/32

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.336+/-0.256 χ^2/NDF: 421486.7/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

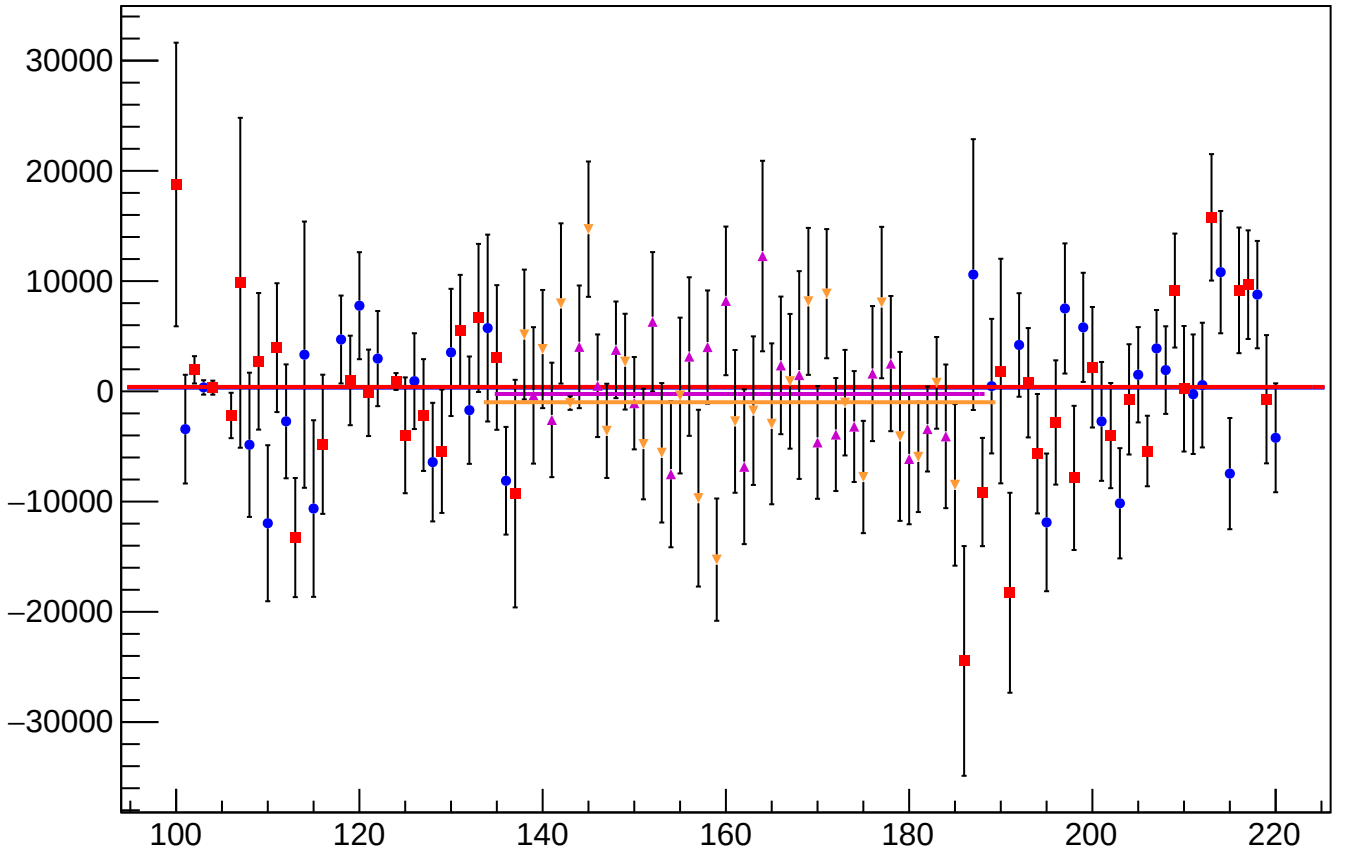
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1659.895+/-0.181 χ^2/NDF: 580798.6/69

In: 1677.986+/-0.189 χ^2/NDF:313146.5/55

Out: 1695.831+/-0.189 χ^2/NDF:898068.9/61

All: 1686.945+/-0.134 χ^2/NDF: 1215670.7/11



Right In: 337.790+/-532.613 χ^2/NDF: 39.6/32

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 401.541+/-402.933 χ^2/NDF: 55.8/36

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

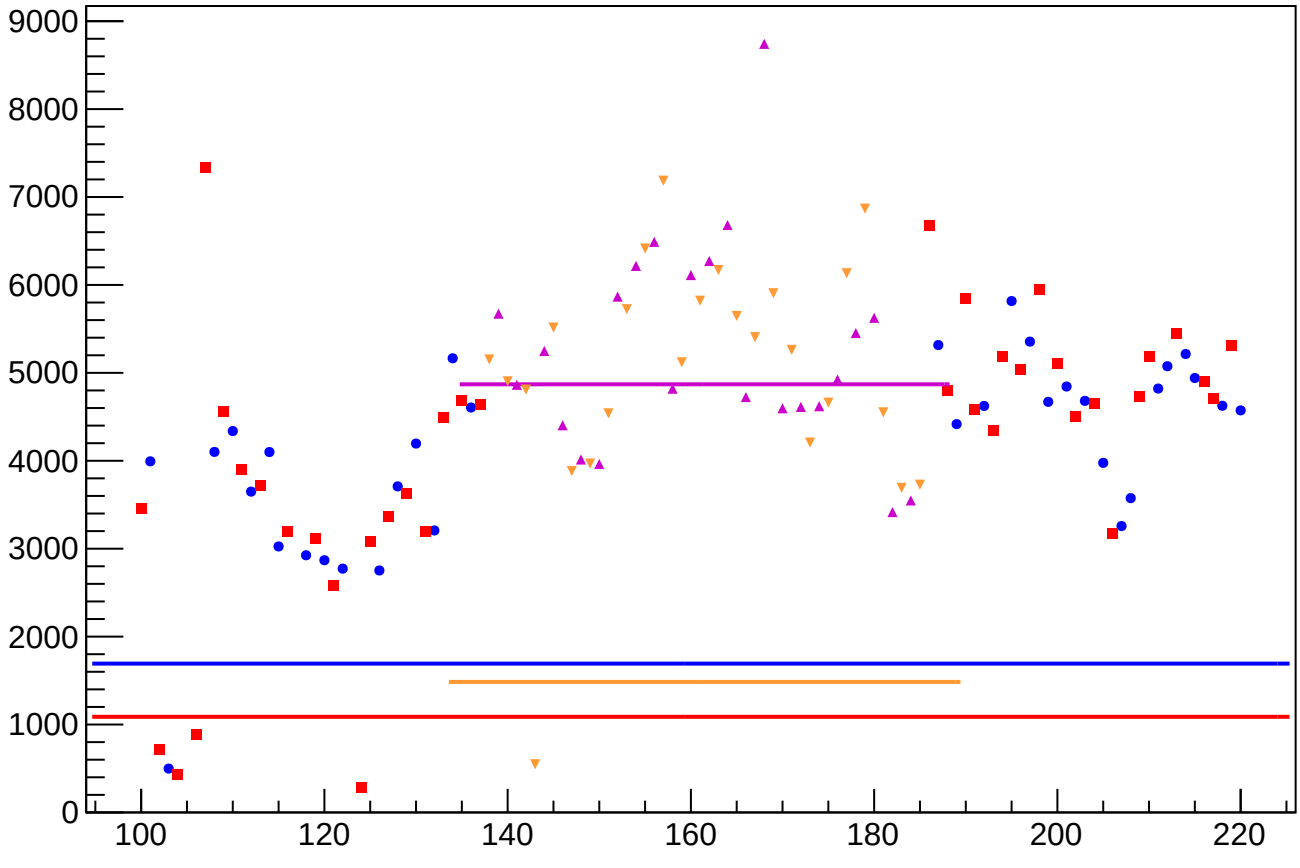
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 378.336+/-321.338 χ^2/NDF: 95.5/69

In: 237.981+/-484.395 χ^2/NDF:53.4/55

Out: -93.811+/-323.205 χ^2/NDF:90.9/61

All: 8.399+/-268.852 χ^2/NDF: 144.6/117



Right In: 1693.028+/-0.377 χ^2/NDF: 21473288.3/32

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1088.039+/-0.285 χ^2/NDF: 27139005.3/36

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

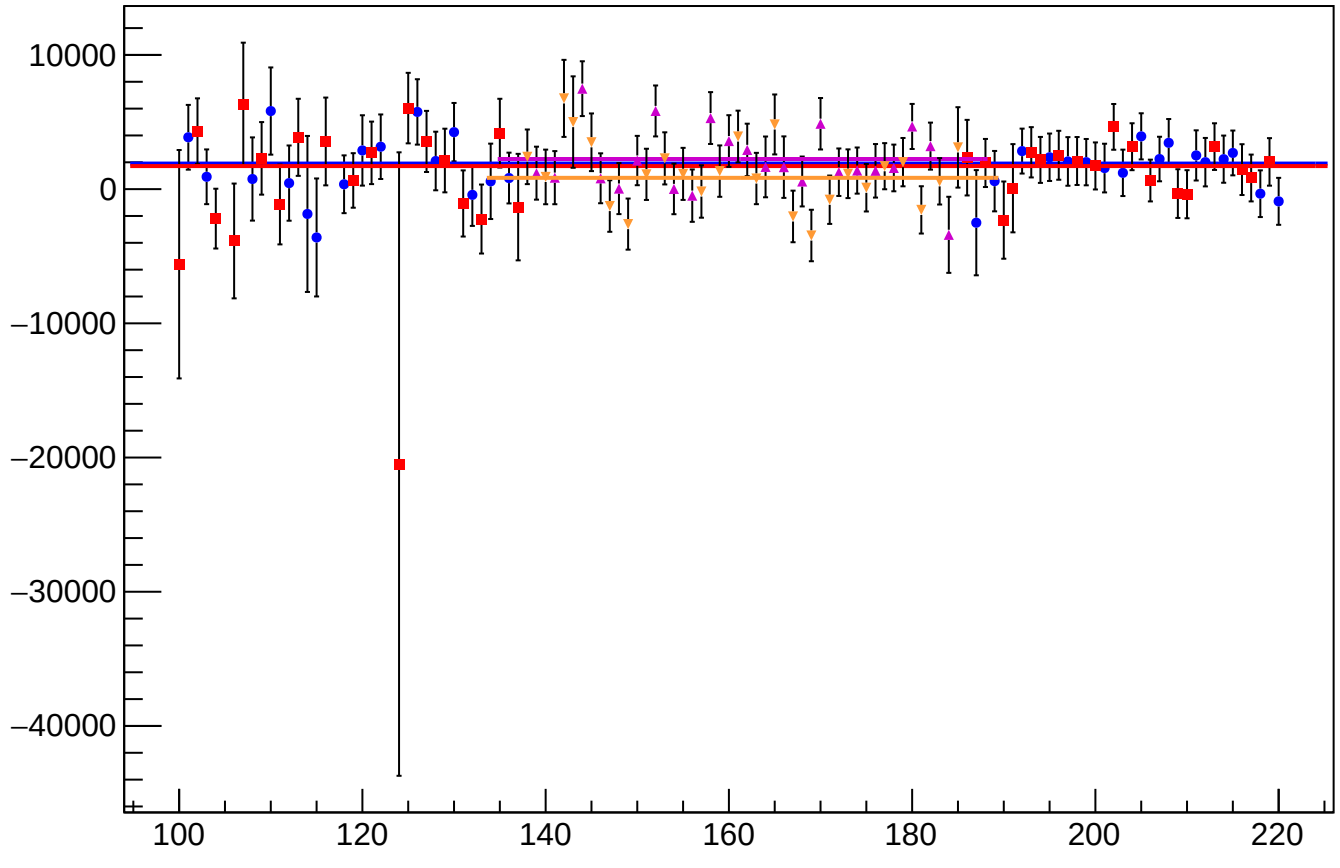
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1308.254+/-0.227 χ^2/NDF: 50253485.0/69

In: 2242.171+/-0.343 χ^2/NDF:35246395.4/55

Out: 1229.433+/-0.229 χ^2/NDF:51054612.8/61

All: 1541.413+/-0.190 χ^2/NDF: 92350185.4/1



Right In: 1905.259+/-360.214 χ^2/NDF: 19.9/32

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1717.967+/-362.803 χ^2/NDF: 30.1/36

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

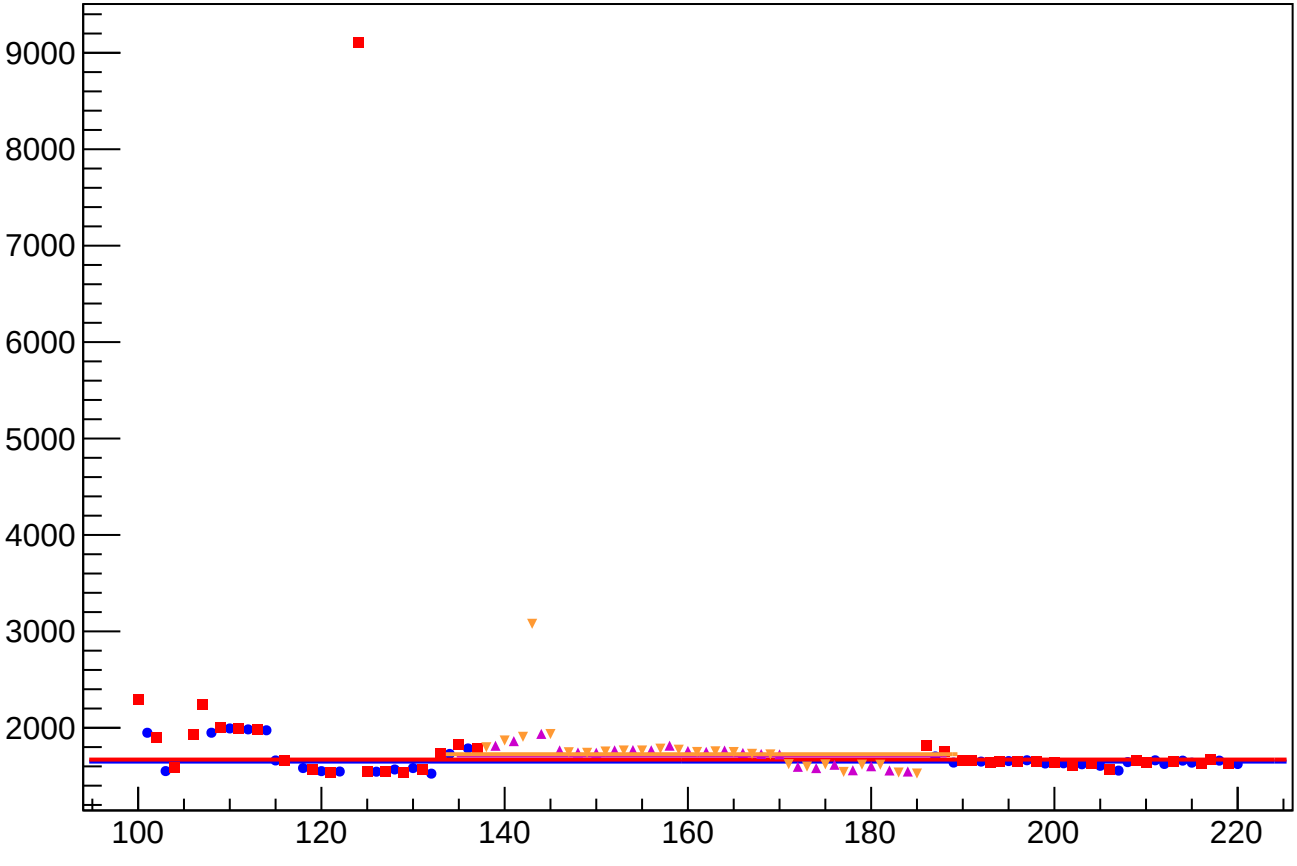
Right: 1812.283+/-255.620 χ^2/NDF: 50.1/69

In: 2057.108+/-267.899 χ^2/NDF:49.7/55

Out: 1316.321+/-267.027 χ^2/NDF:63.1/61

All: 1685.507+/-189.124 χ^2/NDF: 116.6/117

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1649.571+/-0.255 χ^2/NDF: 156007.7/32

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

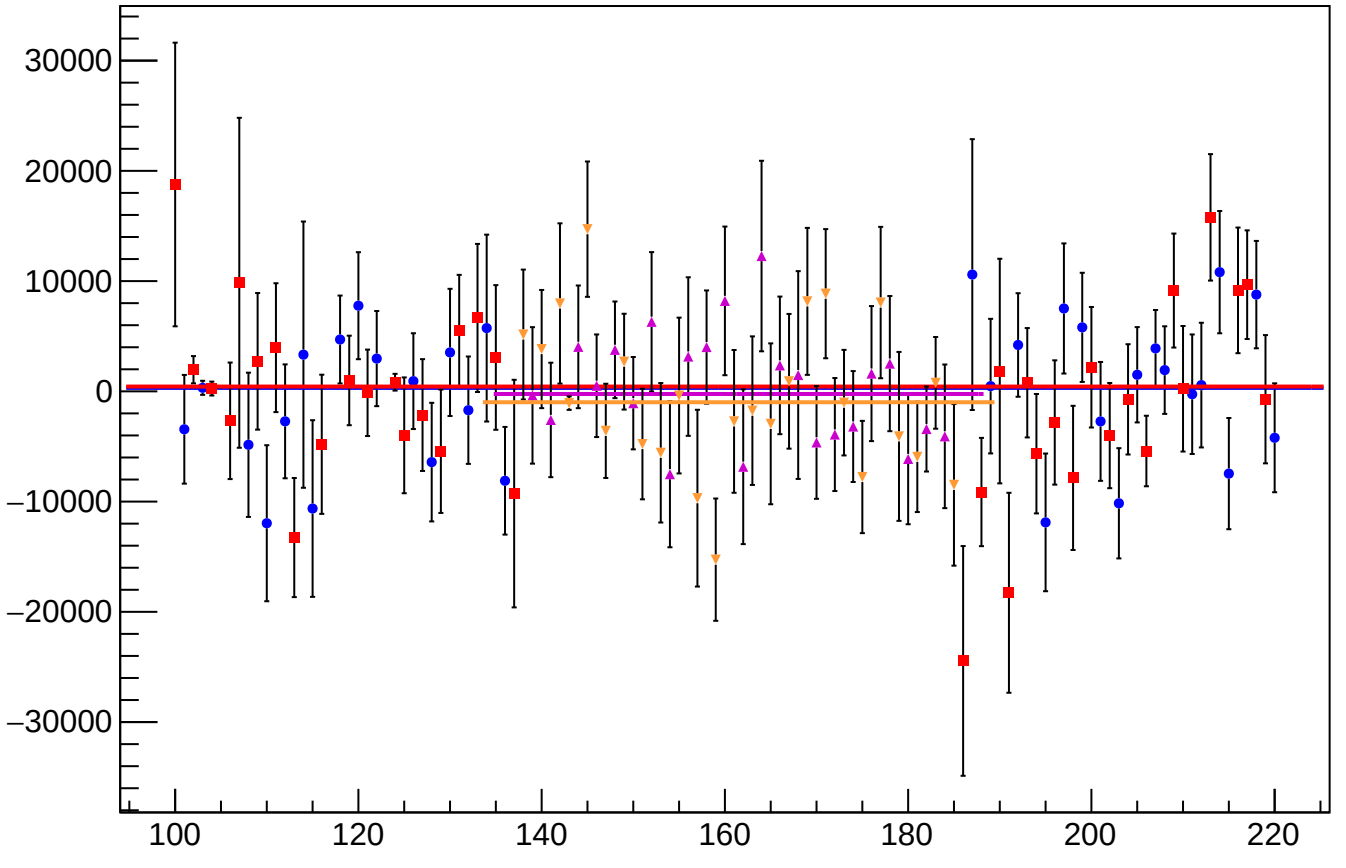
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1660.019+/-0.181 χ^2/NDF: 583004.8/69

In: 1677.986+/-0.189 χ^2/NDF:313146.6/55

Out: 1695.972+/-0.189 χ^2/NDF:899995.8/61

All: 1687.015+/-0.134 χ^2/NDF: 1217668.1/11



Right In: 314.355+/-523.621 χ^2/NDF: 39.6/32

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 434.800+/-407.906 χ^2/NDF: 54.5/36

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

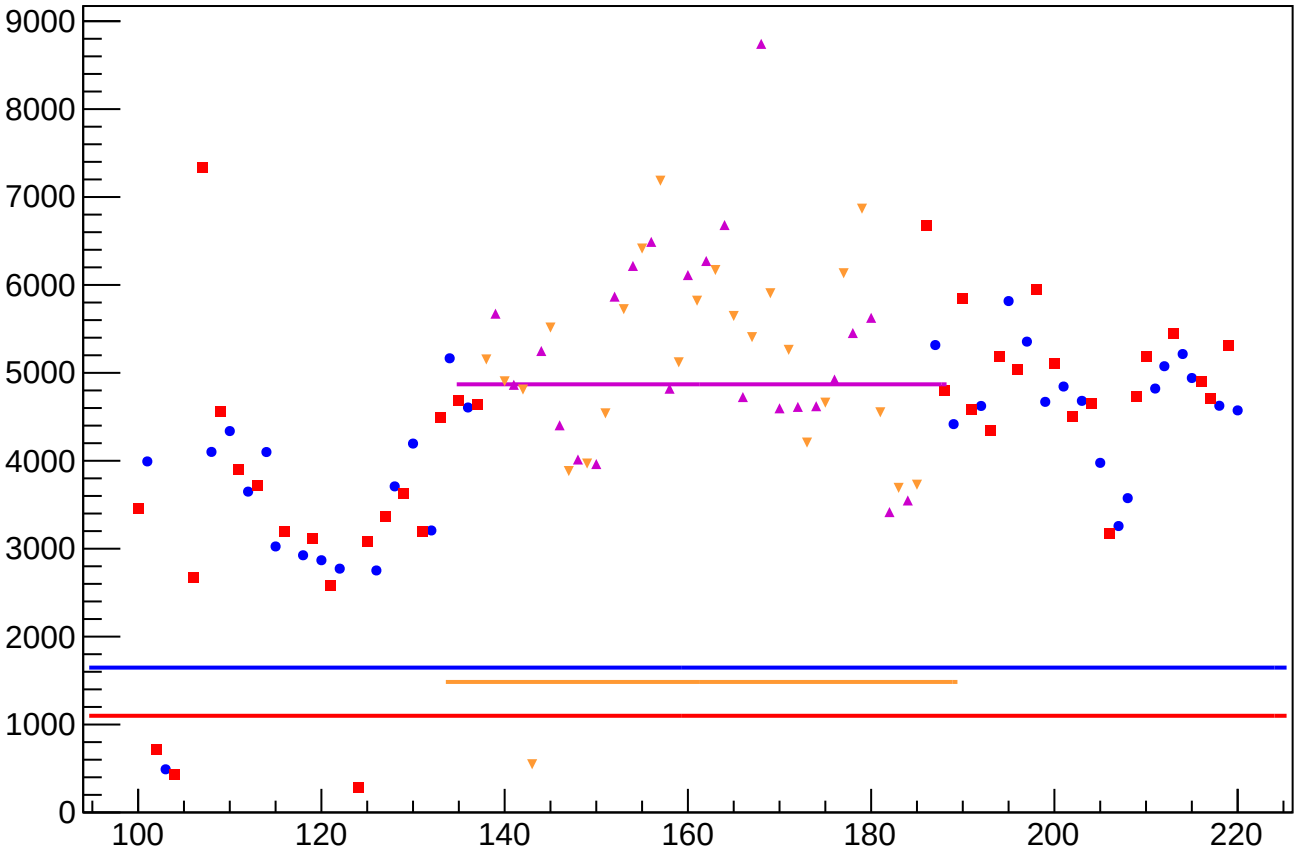
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 389.312+/-321.789 χ^2/NDF: 94.2/69

In: 221.282+/-477.601 χ^2/NDF:53.4/55

Out: -80.348+/-325.751 χ^2/NDF:89.8/61

All: 15.419+/-269.115 χ^2/NDF: 143.4/117



Right In: 1647.562+/-0.370 χ^2/NDF: 21902263.8/32

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

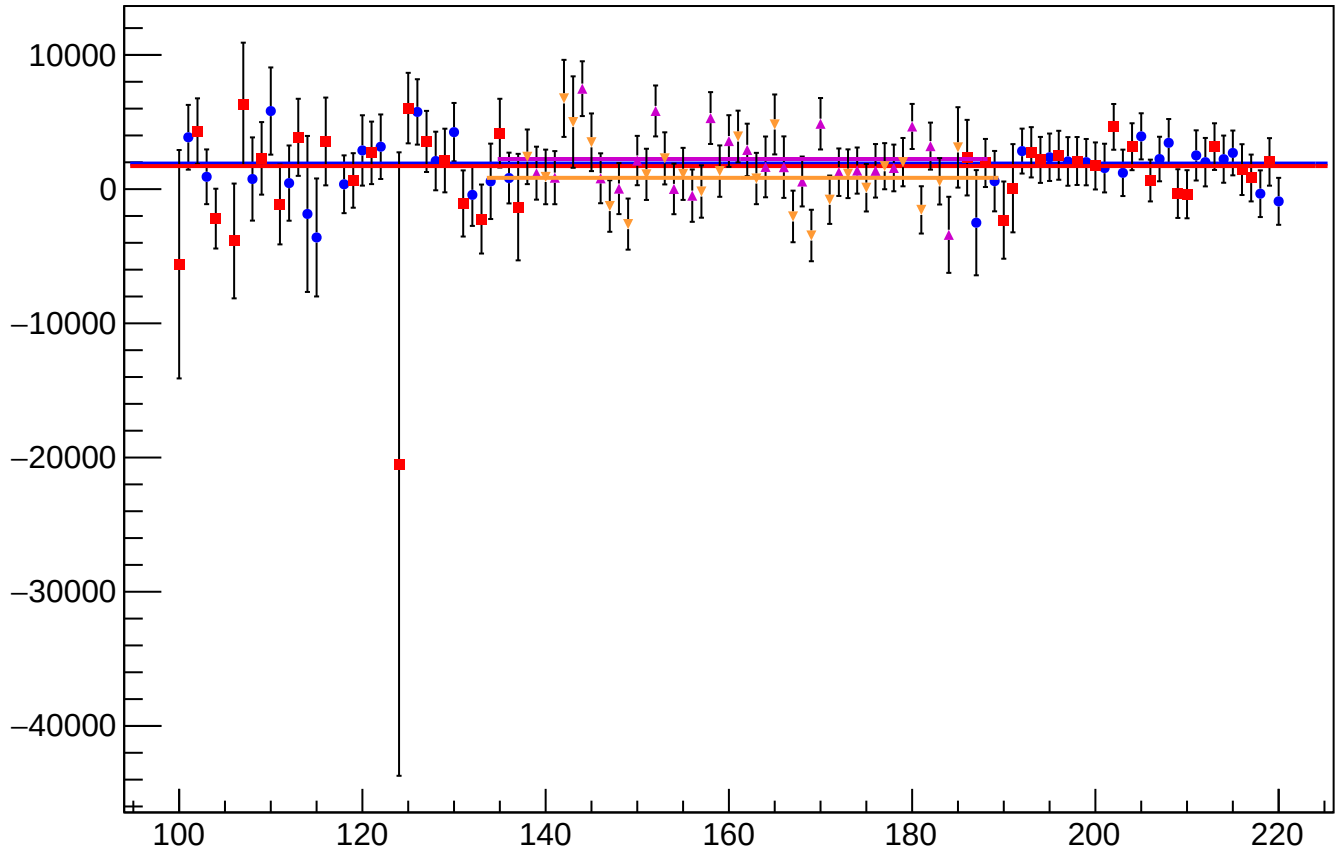
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1306.509+/-0.228 χ^2/NDF: 50619084.5/69

In: 2189.050+/-0.338 χ^2/NDF:36103590.0/55

Out: 1238.984+/-0.230 χ^2/NDF:51224239.0/61

All: 1540.631+/-0.190 χ^2/NDF: 92729270.3/1



Right In: 1905.259+/-360.214 χ^2/NDF: 19.9/32

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1717.967+/-362.803 χ^2/NDF: 30.1/36

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

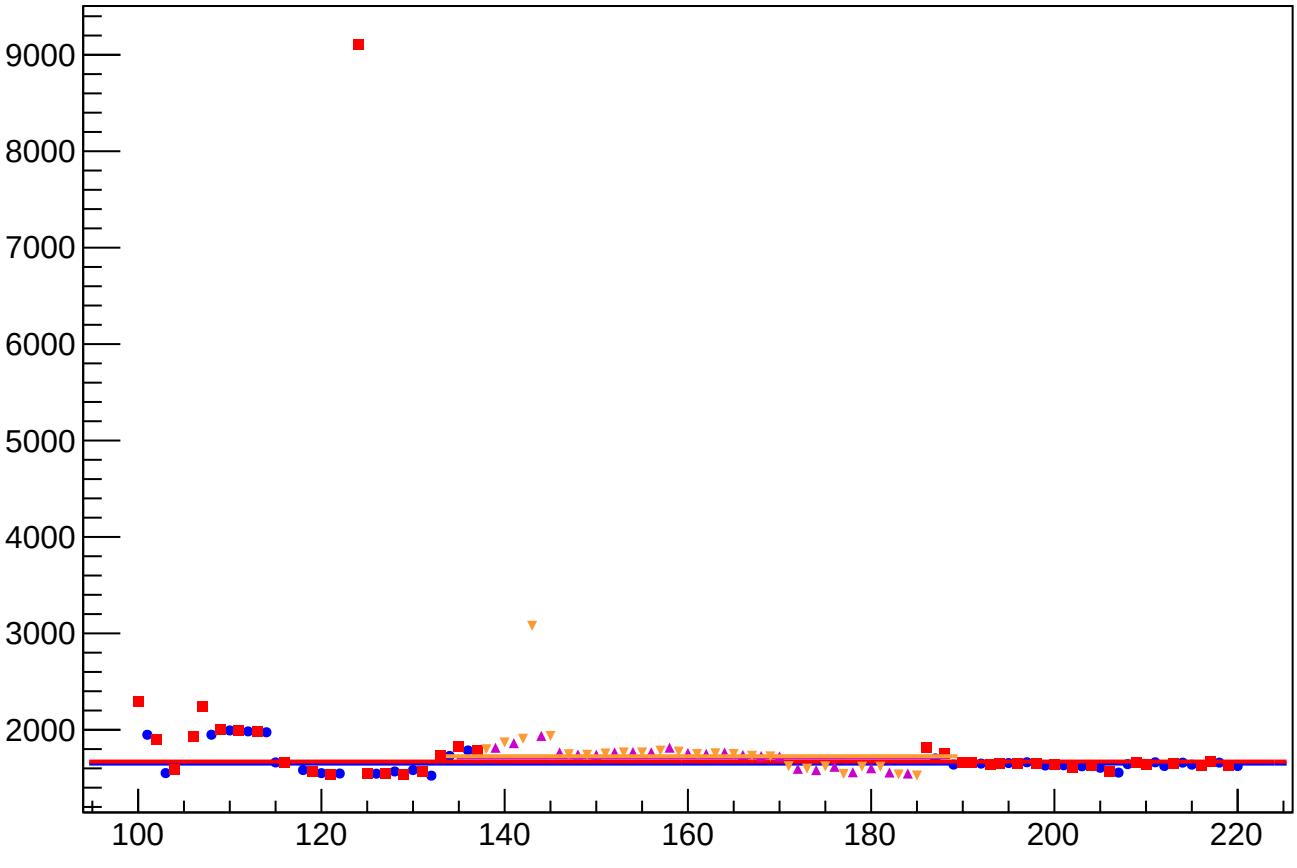
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1812.283+/-255.620 χ^2/NDF: 50.1/69

In: 2057.108+/-267.899 χ^2/NDF:49.7/55

Out: 1316.321+/-267.027 χ^2/NDF:63.1/61

All: 1685.507+/-189.124 χ^2/NDF: 116.6/117



Right In: 1649.571+/-0.255 χ^2/NDF: 156007.7/32

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

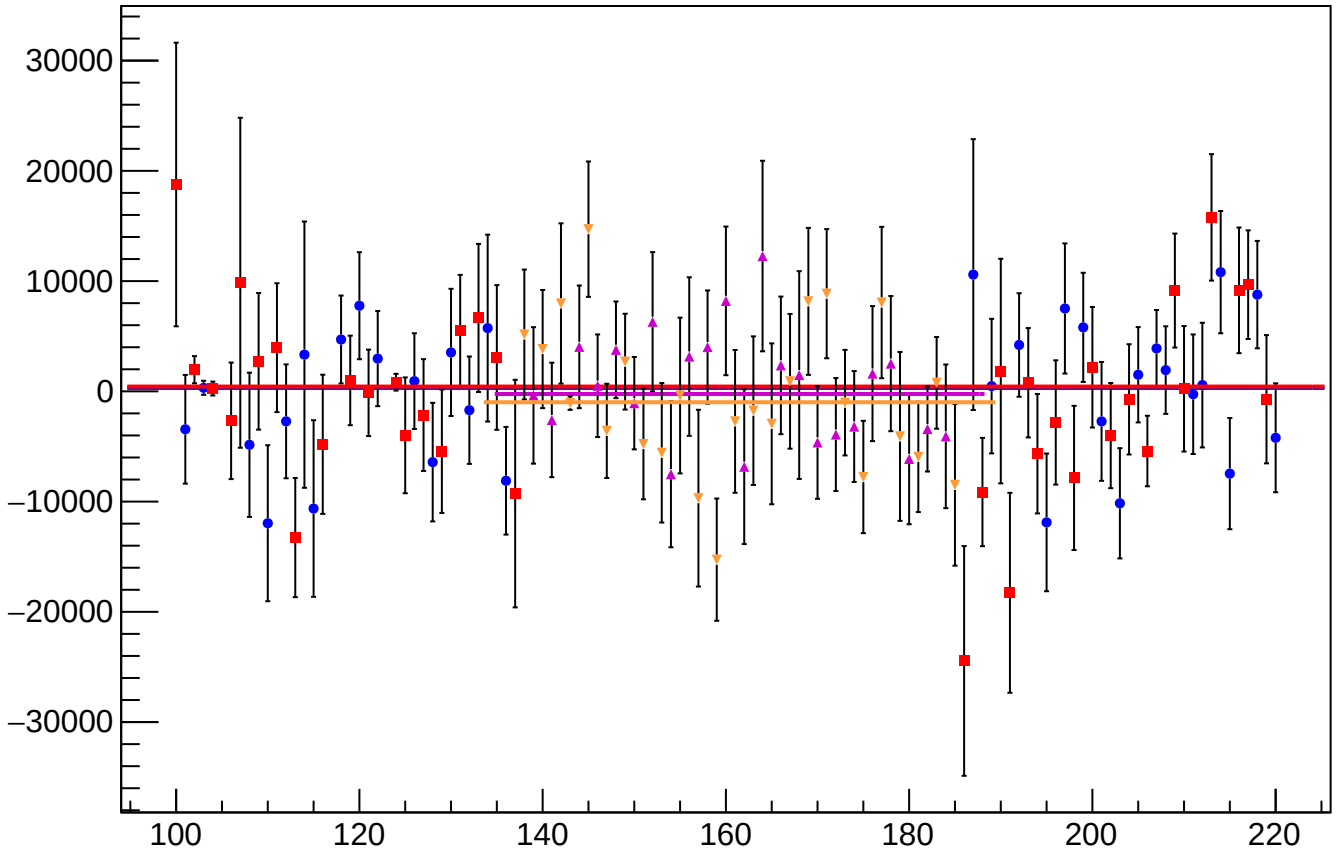
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1660.019+/-0.181 χ^2/NDF: 583004.8/69

In: 1677.986+/-0.189 χ^2/NDF:313146.6/55

Out: 1695.972+/-0.189 χ^2/NDF:899995.8/61

All: 1687.015+/-0.134 χ^2/NDF: 1217668.1/11



Right In: 314.355+/-523.621 χ^2/NDF: 39.6/32

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 434.800+/-407.906 χ^2/NDF: 54.5/36

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

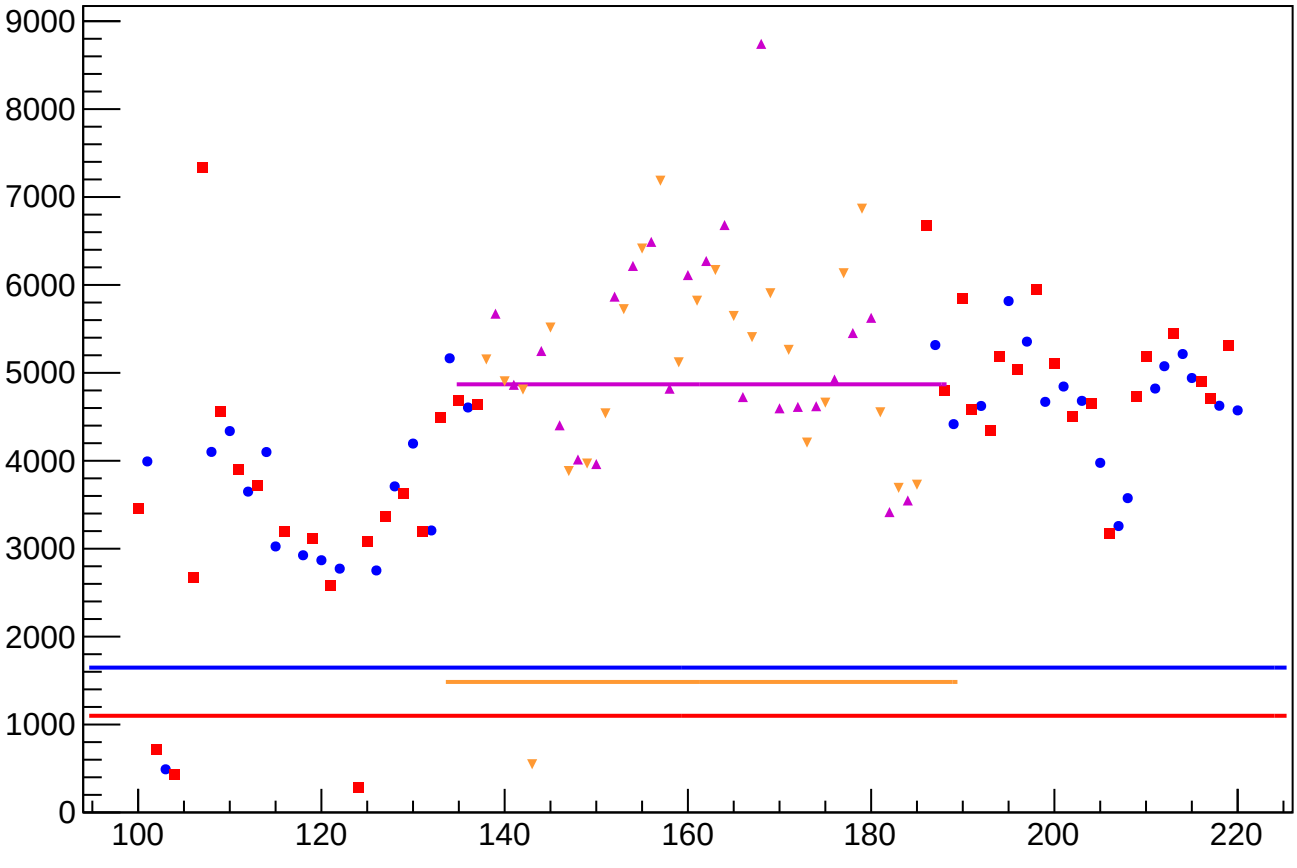
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 389.312+/-321.789 χ^2/NDF: 94.2/69

In: 221.282+/-477.601 χ^2/NDF:53.4/55

Out: -80.348+/-325.751 χ^2/NDF:89.8/61

All: 15.419+/-269.115 χ^2/NDF: 143.4/117



Right In: 1647.562+/-0.370 χ^2/NDF: 21902263.8/32

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

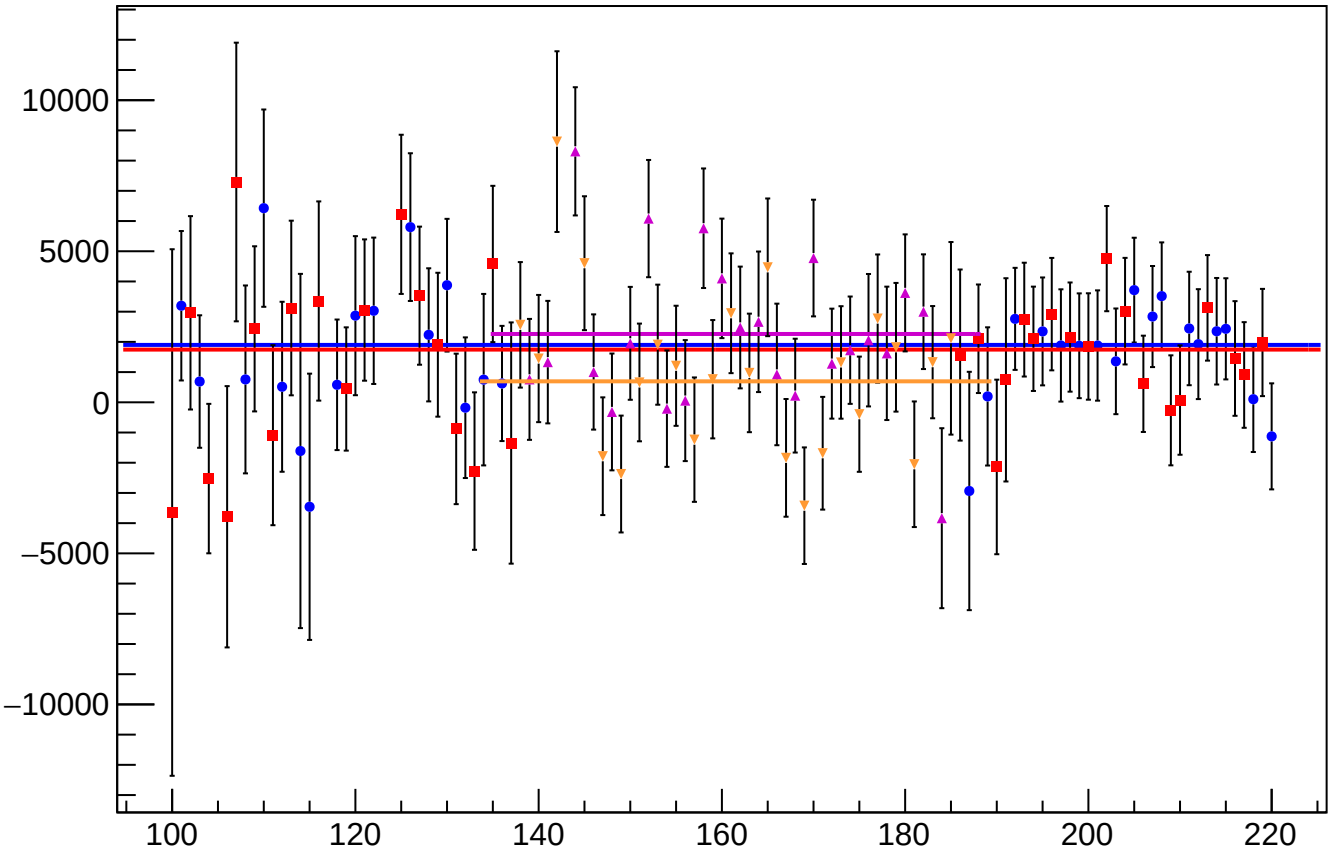
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1306.509+/-0.228 χ^2/NDF: 50619084.5/69

In: 2189.050+/-0.338 χ^2/NDF:36103590.0/55

Out: 1238.984+/-0.230 χ^2/NDF:51224239.0/61

All: 1540.631+/-0.190 χ^2/NDF: 92729270.3/



Right In: 1899.815+/-363.710 χ^2/NDF: 19.2/32

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1744.905+/-368.411 χ^2/NDF: 27.2/35

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

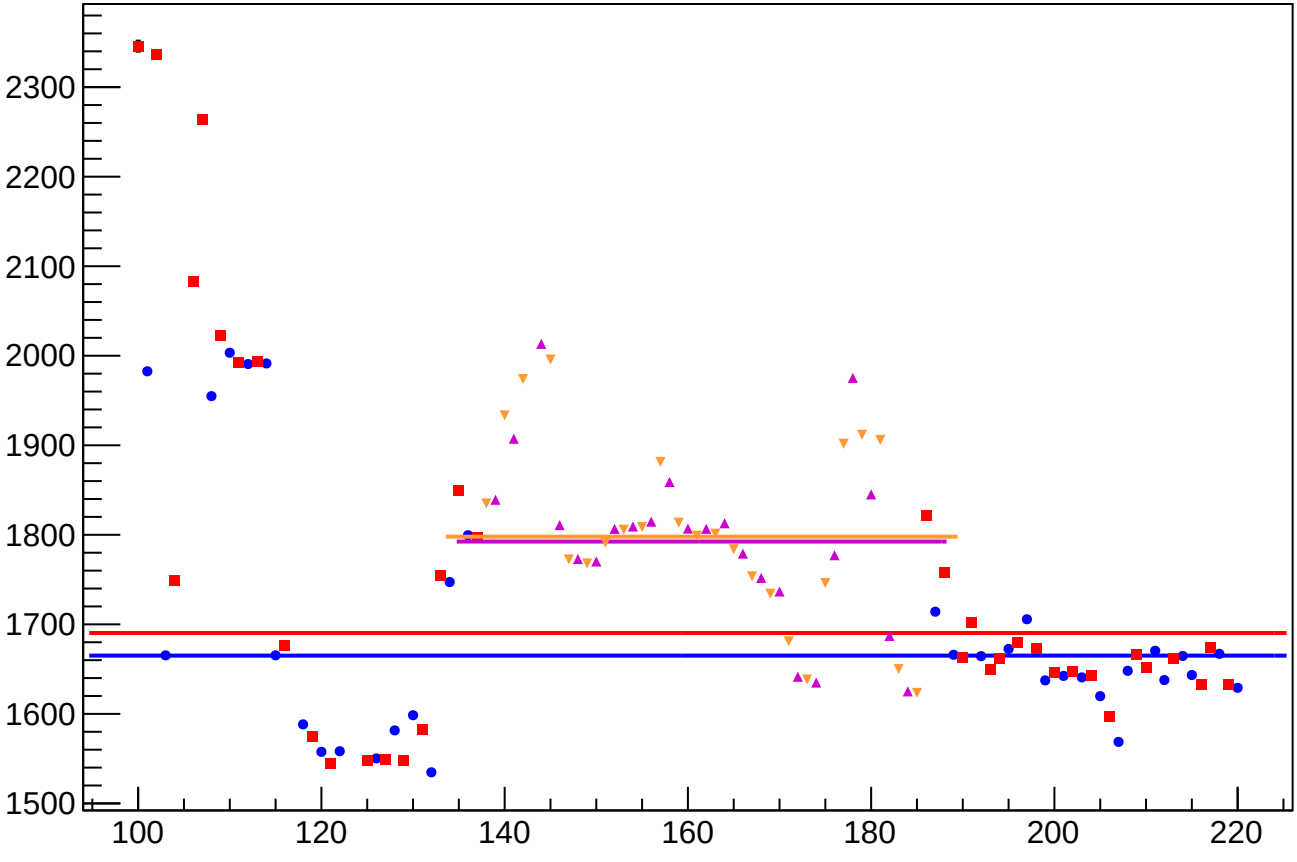
Right: 1823.355+/-258.828 χ^2/NDF: 46.6/68

In: 2055.275+/-274.714 χ^2/NDF:50.1/55

Out: 1285.658+/-276.399 χ^2/NDF:63.0/59

All: 1672.819+/-194.845 χ^2/NDF: 117.0/115

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1665.070+/-0.257 χ^2/NDF: 153894.0/32

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1690.339+/-0.260 χ^2/NDF: 291331.9/35

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

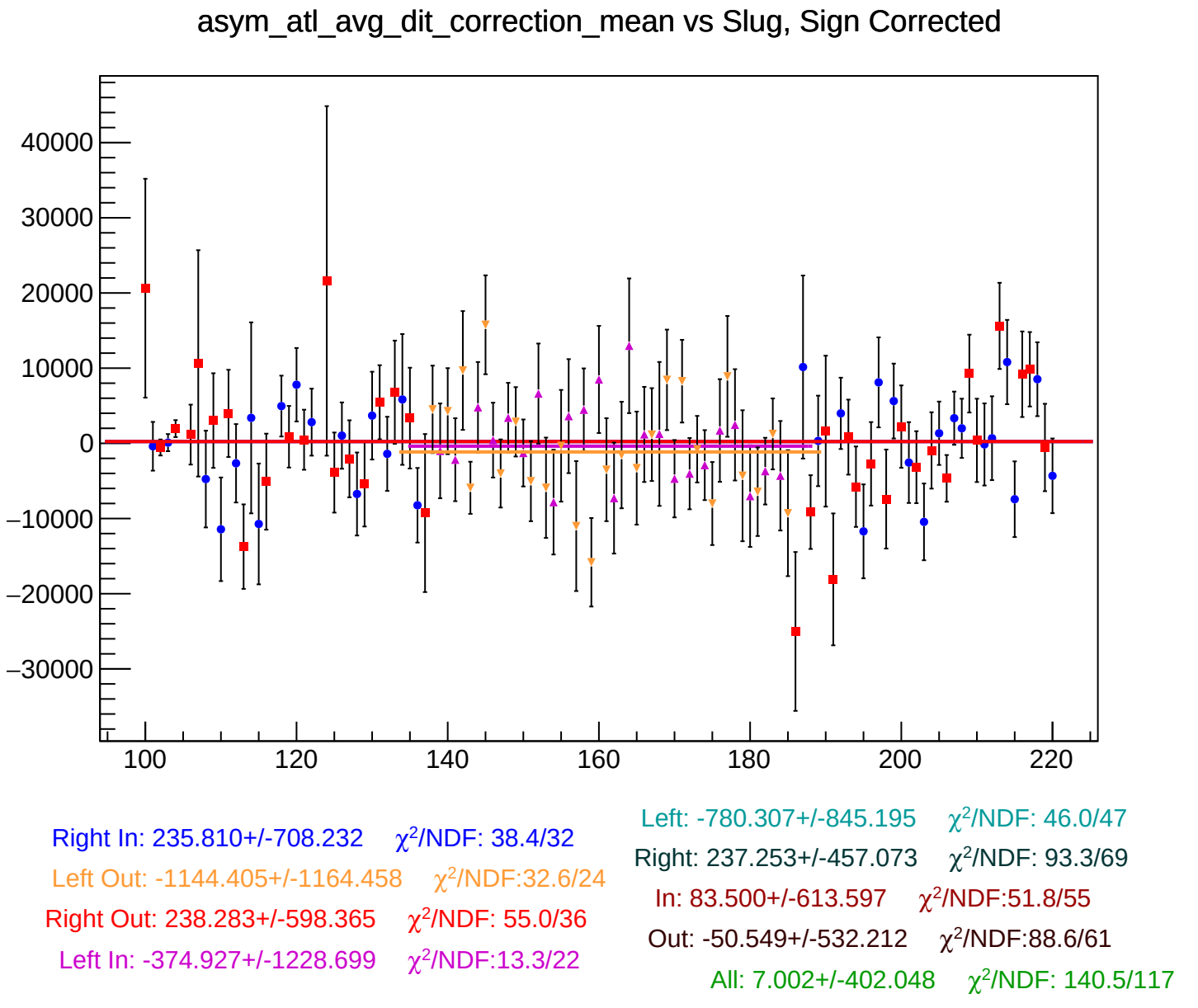
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1677.552+/-0.183 χ^2/NDF: 449994.2/68

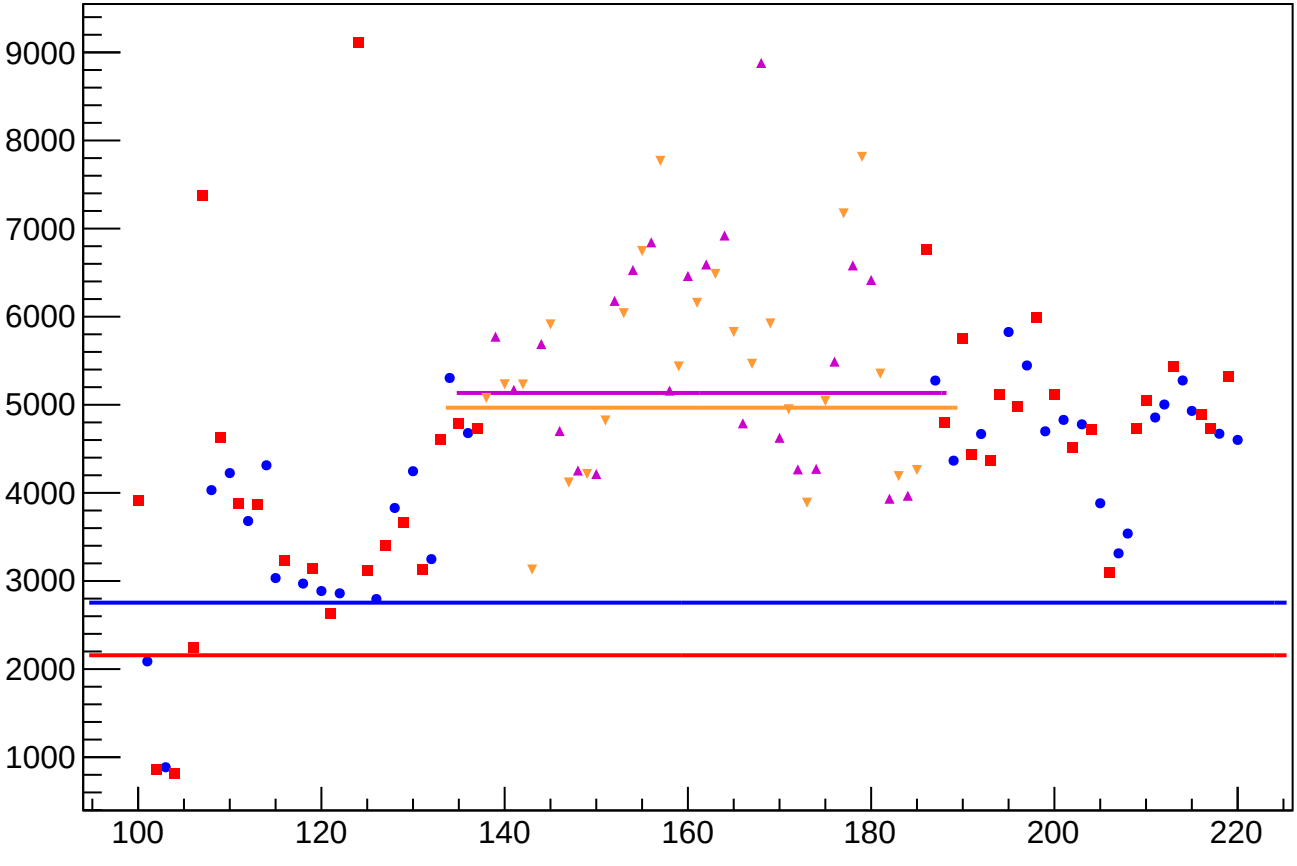
In: 1719.781+/-0.194 χ^2/NDF:352132.4/55

Out: 1737.324+/-0.195 χ^2/NDF:463915.2/59

All: 1728.502+/-0.138 χ^2/NDF: 820102.5/115


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 235.810+/-708.232 χ²/NDF: 38.4/32
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: 238.283+/-598.365 χ²/NDF: 55.0/36
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: 237.253+/-457.073 χ²/NDF: 93.3/69
In: 83.500+/-613.597 χ²/NDF:51.8/55
Out: -50.549+/-532.212 χ²/NDF:88.6/61
All: 7.002+/-402.048 χ²/NDF: 140.5/117

asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2754.006+/-0.501 χ^2/NDF: 11032569.5/32

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 2156.923+/-0.423 χ^2/NDF: 16820162.9/36

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

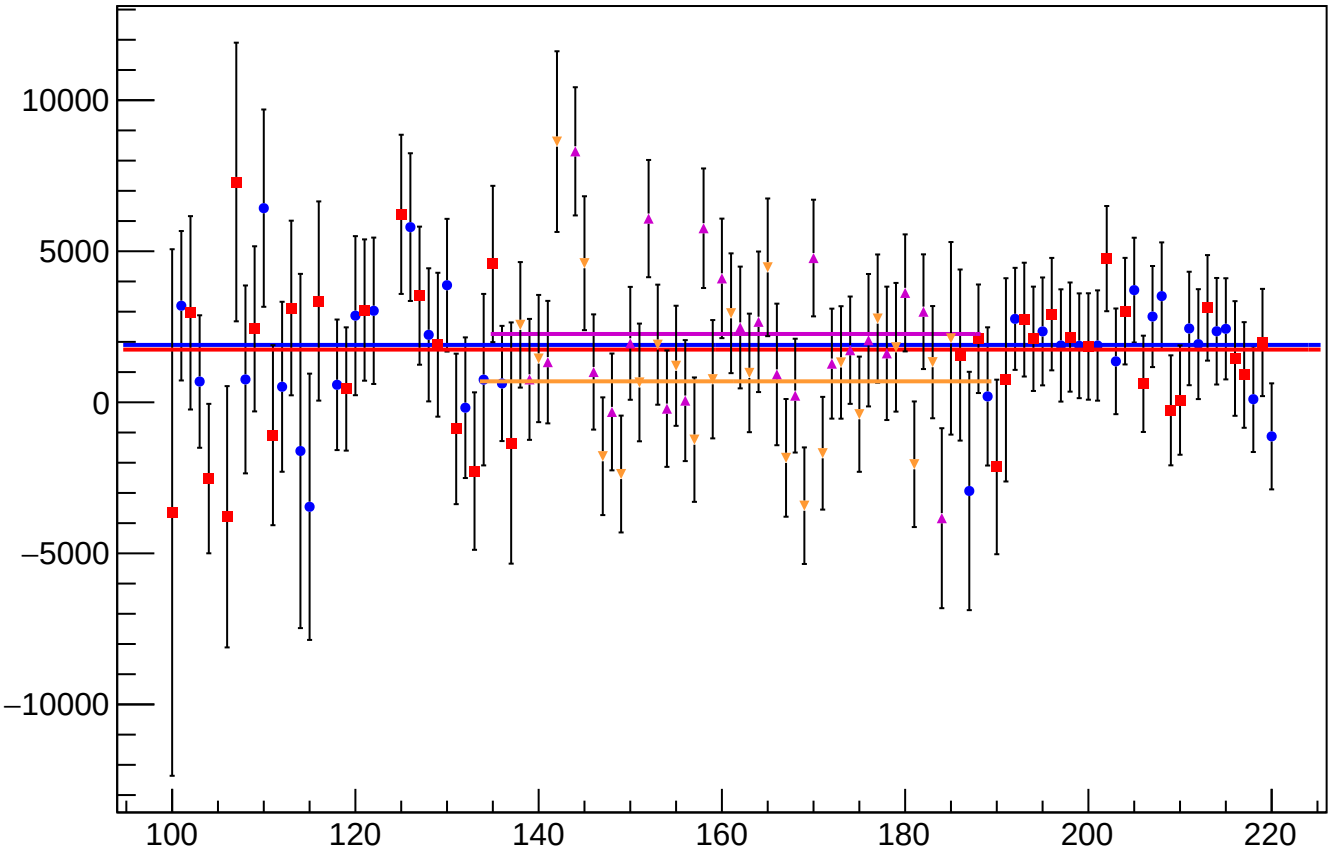
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2405.611+/-0.323 χ^2/NDF: 28682176.1/69

In: 3347.659+/-0.434 χ^2/NDF:18154313.6/55

Out: 2743.899+/-0.376 χ^2/NDF:27951442.7/61

All: 3003.110+/-0.284 χ^2/NDF: 47210796.1/1



Right In: 1899.814+/-363.710 χ^2/NDF: 19.2/32

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1744.901+/-368.411 χ^2/NDF: 27.2/35

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

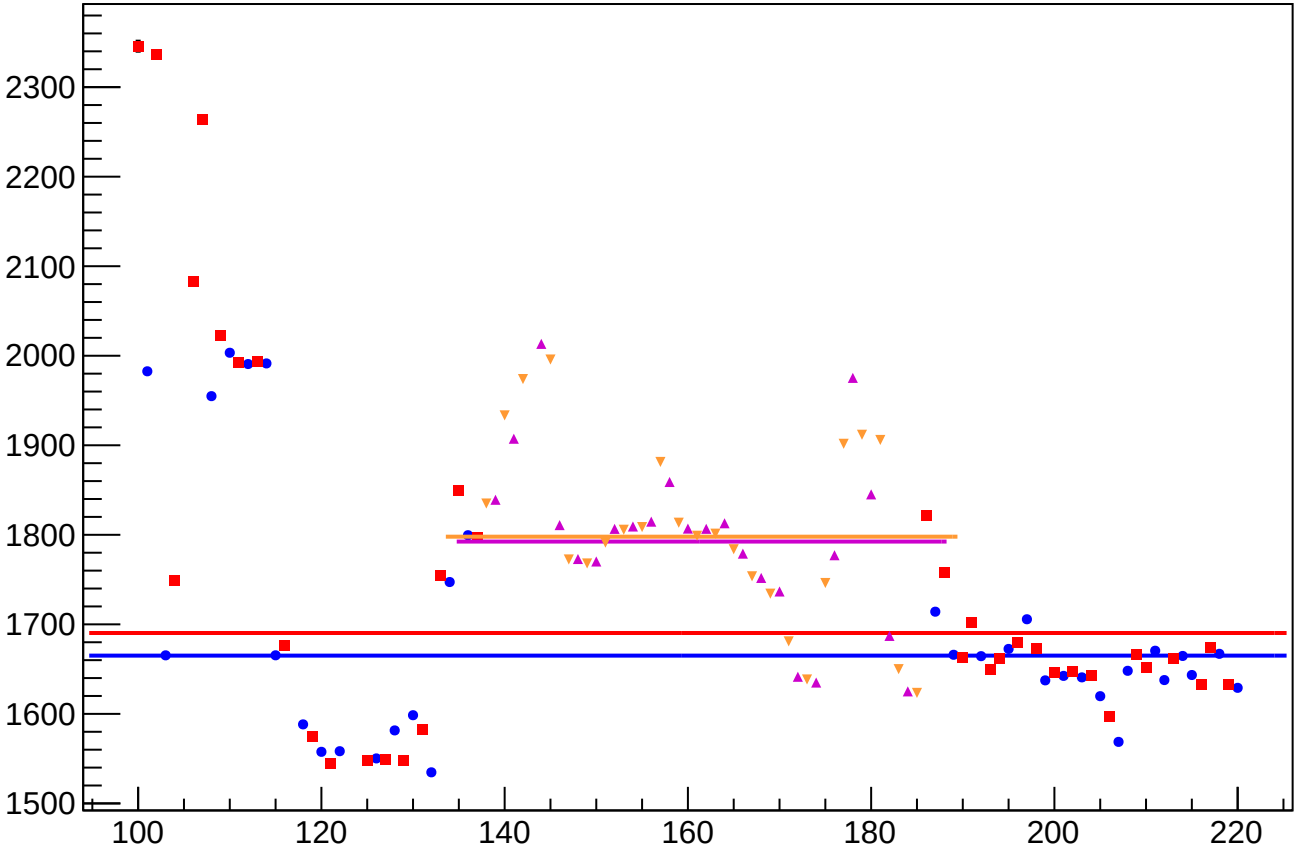
Right: 1823.352+/-258.828 χ^2/NDF: 46.6/68

In: 2055.274+/-274.714 χ^2/NDF:50.1/55

Out: 1285.655+/-276.399 χ^2/NDF:63.0/59

All: 1672.816+/-194.845 χ^2/NDF: 117.0/115

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1665.070+/-0.257 χ^2/NDF: 153894.2/32

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1690.339+/-0.260 χ^2/NDF: 291331.4/35

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

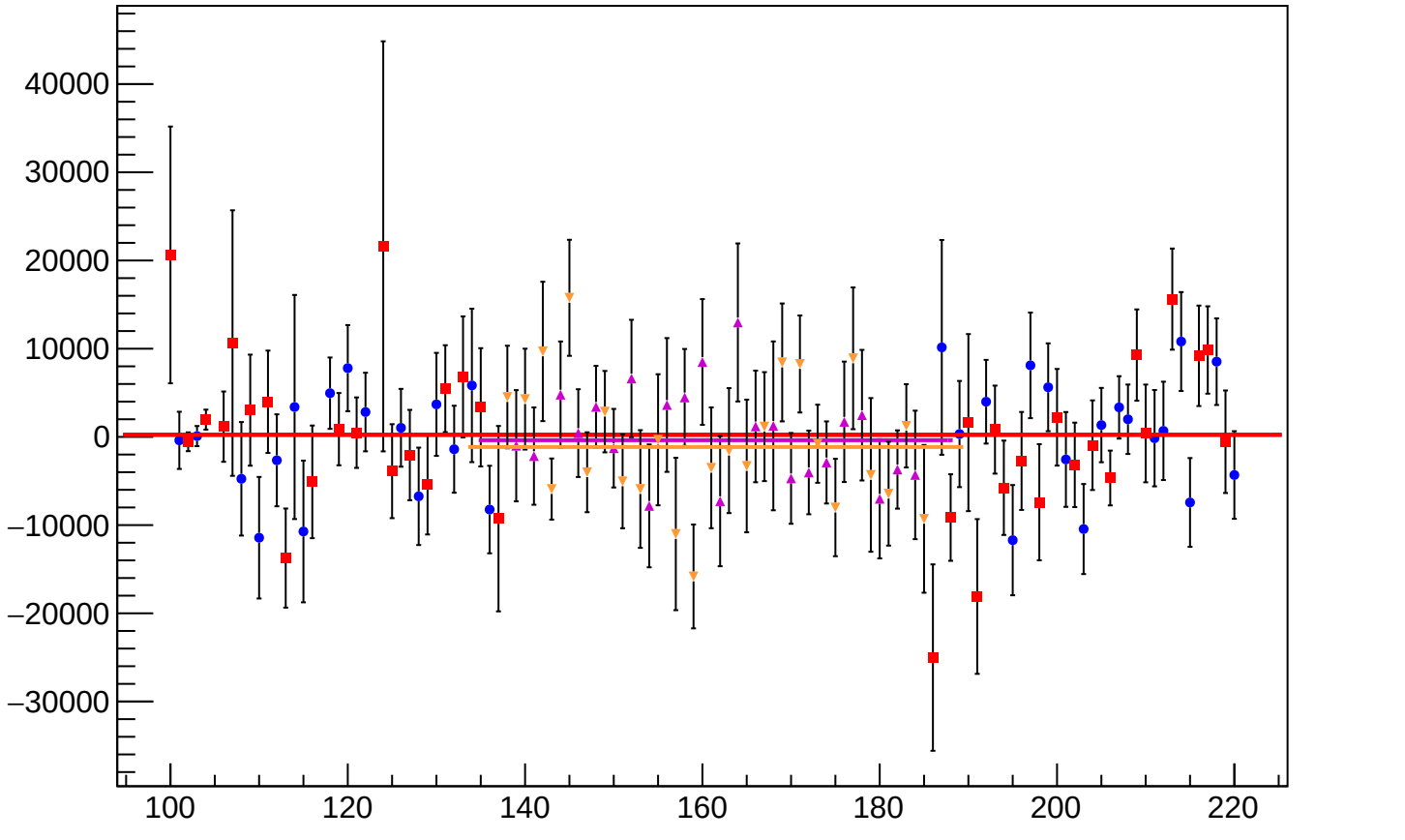
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1677.551+/-0.183 χ^2/NDF: 449993.8/68

In: 1719.781+/-0.194 χ^2/NDF:352138.0/55

Out: 1737.325+/-0.195 χ^2/NDF:463920.0/59

All: 1728.503+/-0.138 χ^2/NDF: 820113.0/115



Right In: 235.810+/-708.229 χ^2/NDF: 38.4/32

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 238.286+/-598.362 χ^2/NDF: 55.0/36

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

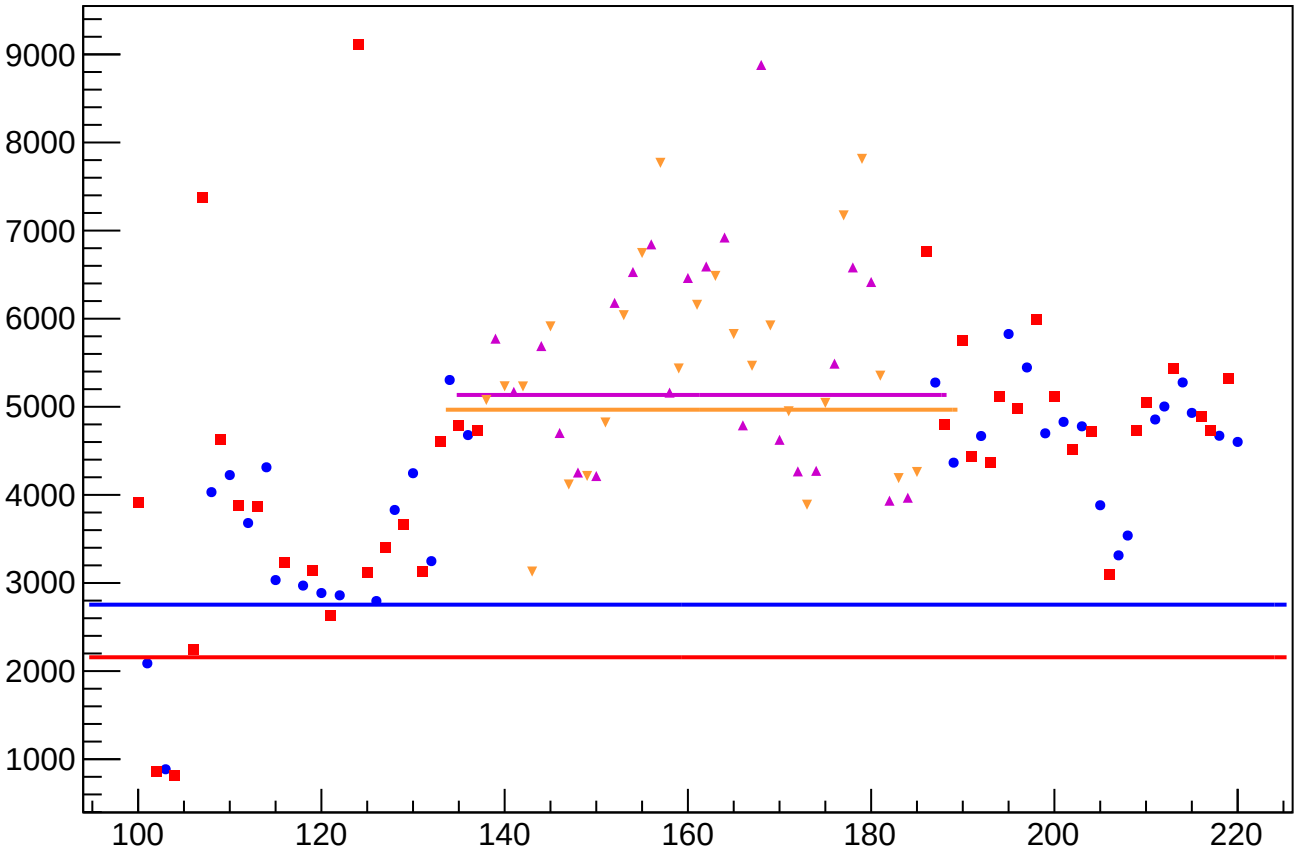
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 237.255+/-457.070 χ^2/NDF: 93.3/69

In: 83.501+/-613.596 χ^2/NDF:51.8/55

Out: -50.545+/-532.210 χ^2/NDF:88.6/61

All: 7.005+/-402.047 χ^2/NDF: 140.5/117



Right In: 2753.989+/-0.501 χ^2/NDF: 11032737.2/32

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 2156.904+/-0.423 χ^2/NDF: 16820333.4/36

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

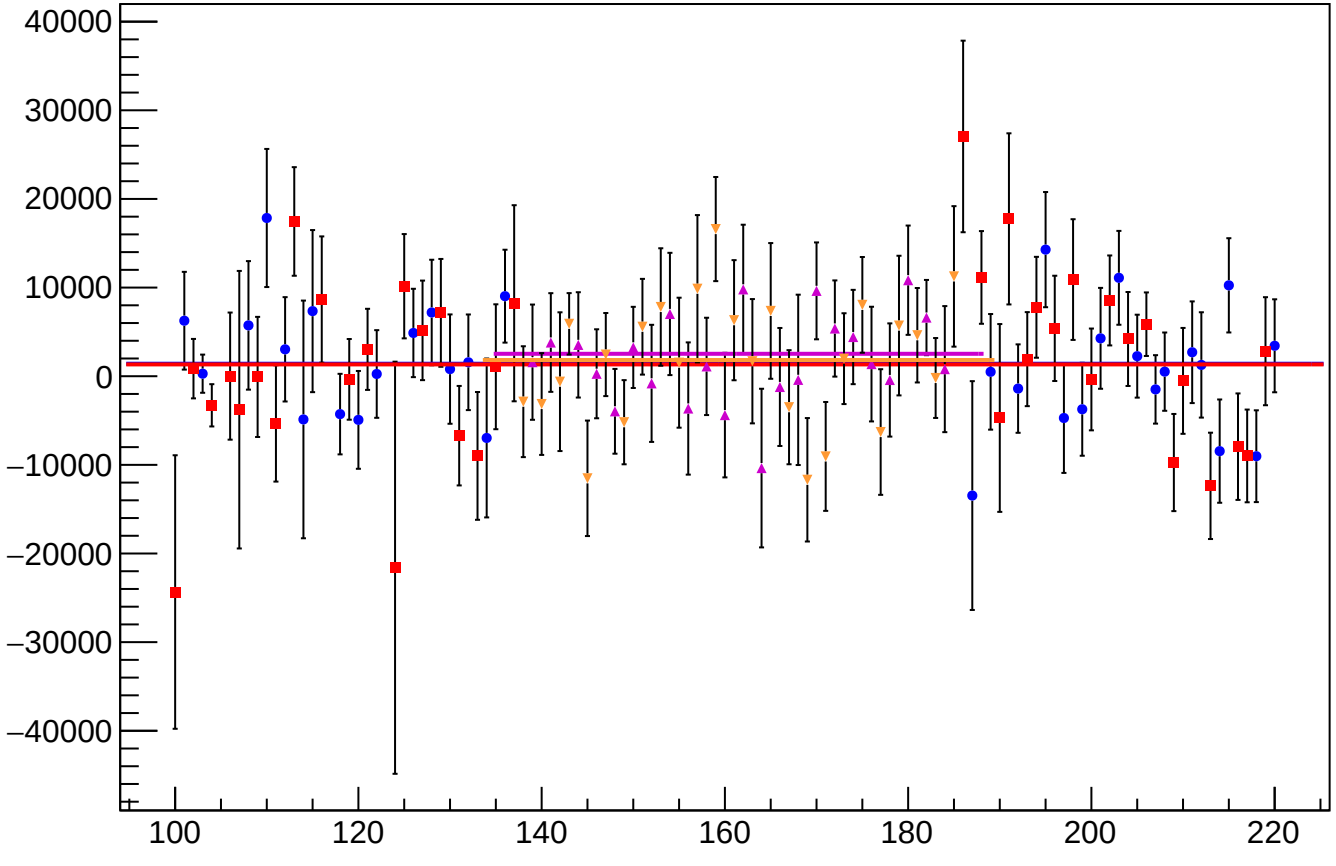
Right: 2405.592+/-0.323 χ^2/NDF: 28682525.6/69

In: 3347.643+/-0.434 χ^2/NDF:18154600.7/55

Out: 2743.879+/-0.376 χ^2/NDF:27951789.0/61

All: 3003.091+/-0.284 χ^2/NDF: 47211452.0/

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1408.638+/-907.461 χ^2/NDF: 35.6/32

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 1331.849+/-915.616 χ^2/NDF: 61.0/36

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

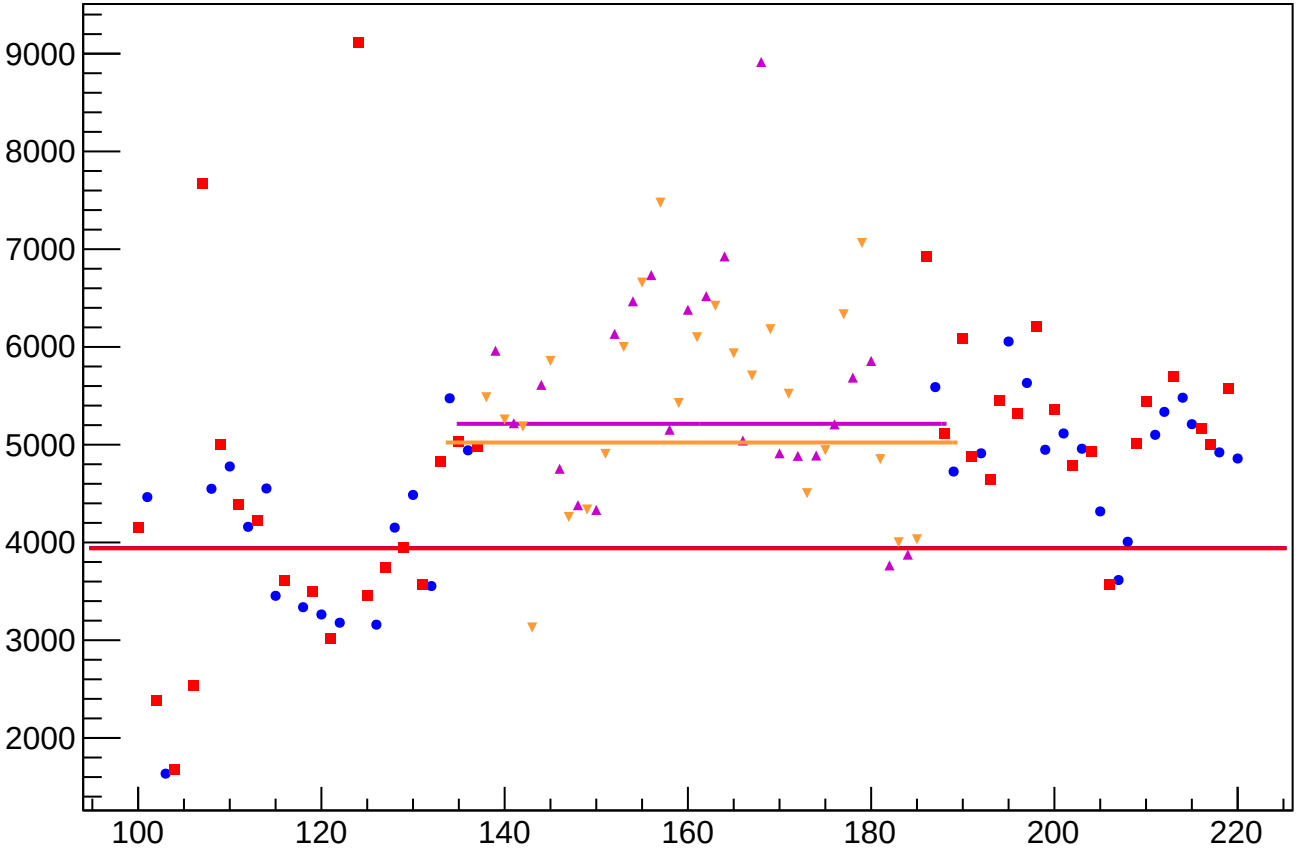
Right: 1370.587+/-644.536 χ^2/NDF: 96.6/69

In: 1798.730+/-732.727 χ^2/NDF:49.3/55

Out: 1519.120+/-721.642 χ^2/NDF:92.2/61

All: 1656.794+/-514.152 χ^2/NDF: 141.6/117

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3942.490+/-0.642 χ^2/NDF: 4021124.7/32

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3940.359+/-0.642 χ^2/NDF: 4714306.6/36

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

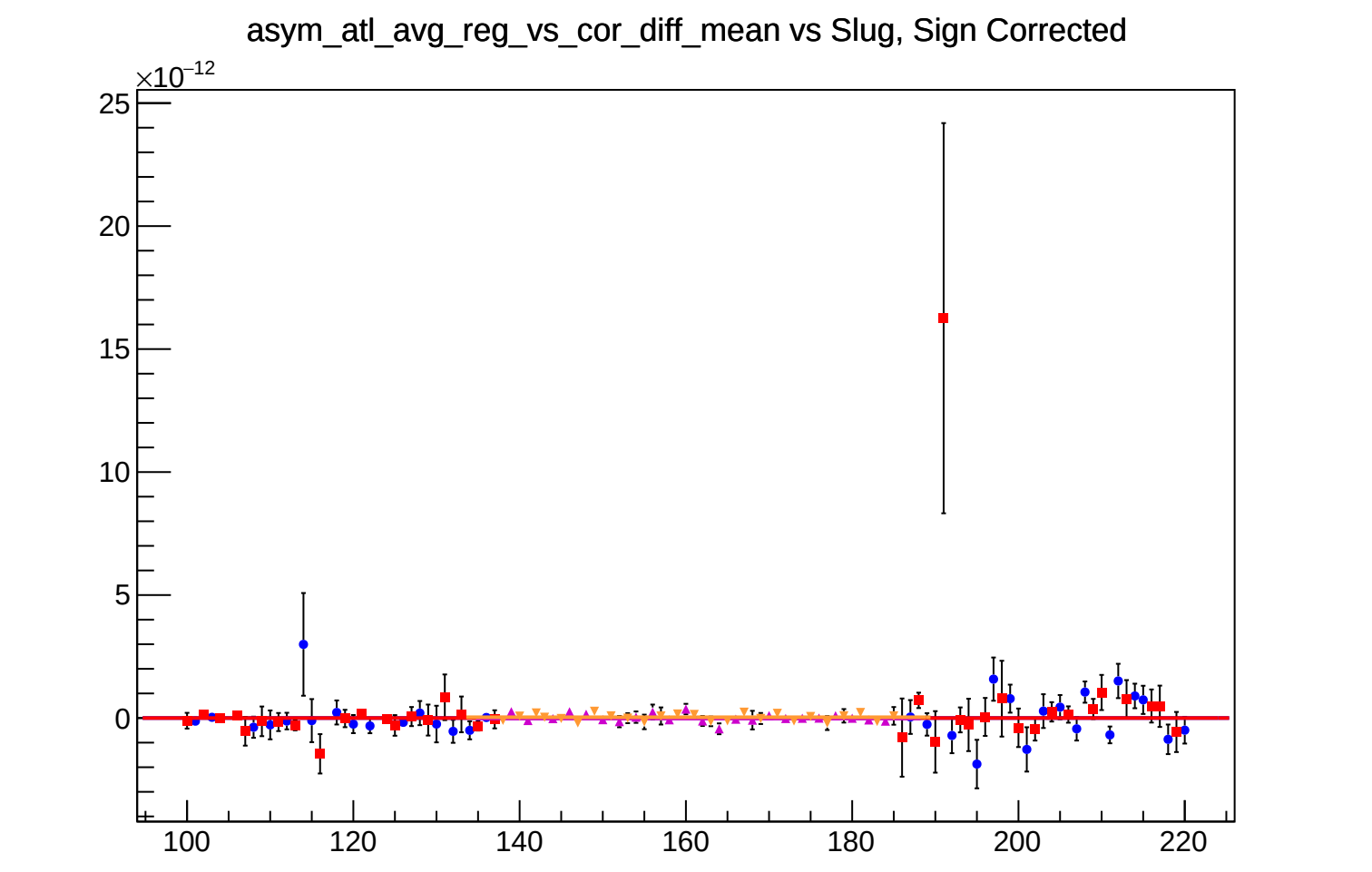
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3941.425+/-0.454 χ^2/NDF: 8735436.9/69

In: 4384.880+/-0.518 χ^2/NDF:6610069.0/55

Out: 4345.890+/-0.508 χ^2/NDF:7455909.4/61

All: 4364.983+/-0.363 χ^2/NDF: 14068868.2/1



Right In: 0.000+/-0.000 χ^2/NDF: 47.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/36

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

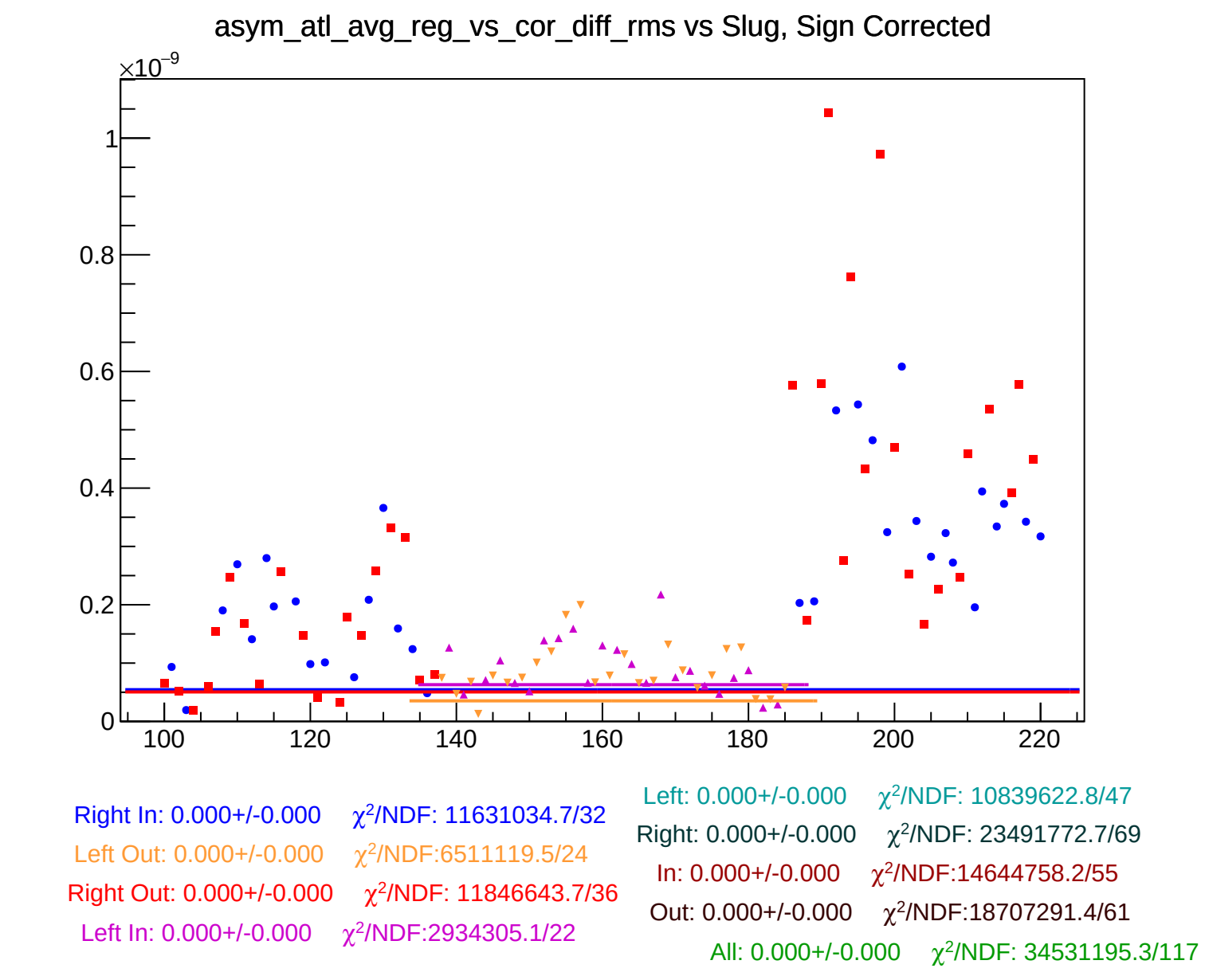
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: 0.000+/-0.000 χ^2/NDF: 79.9/69

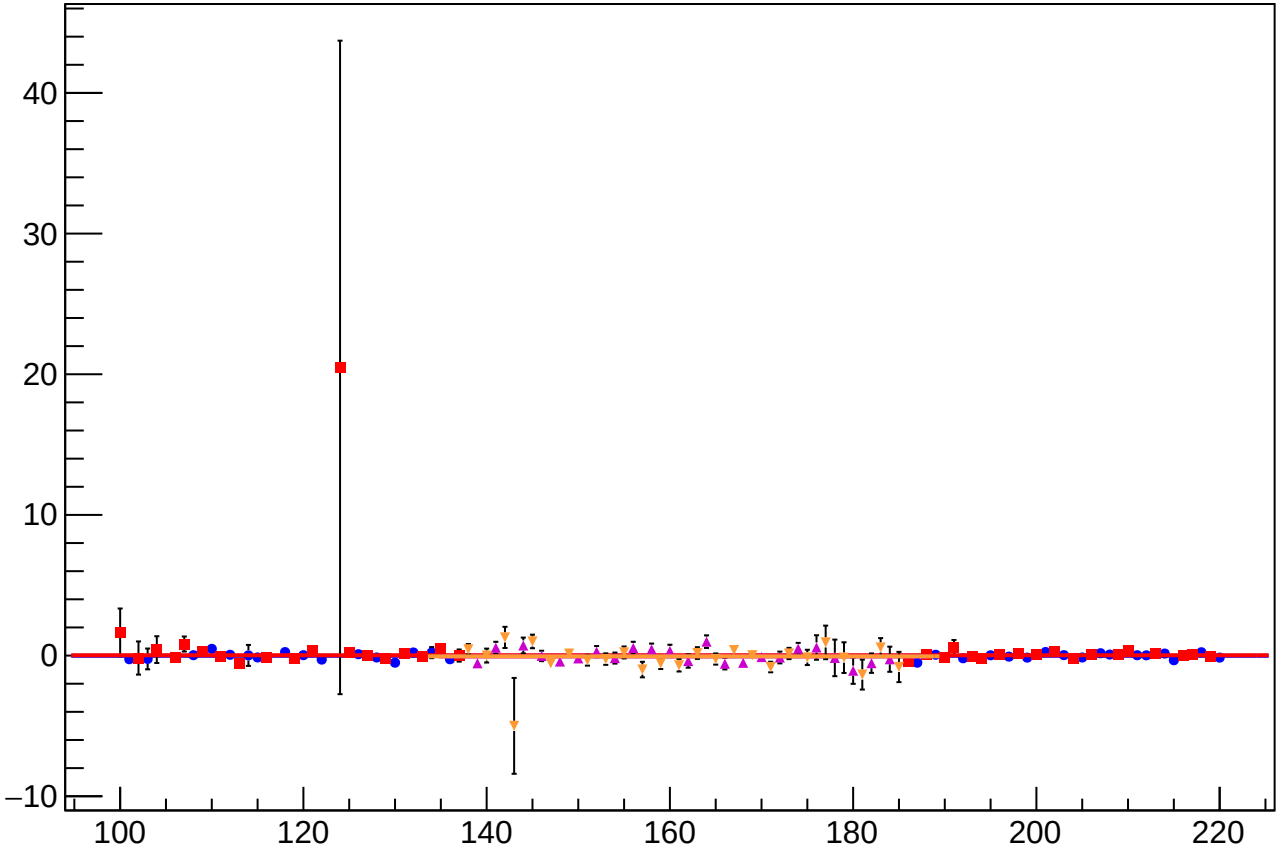
In: -0.000+/-0.000 χ^2/NDF:66.3/55

Out: 0.000+/-0.000 χ^2/NDF:58.6/61

All: 0.000+/-0.000 χ^2/NDF: 126.6/117


asym_atl_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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11631034.7/32
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 11846643.7/36
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
Left: 0.000+/-0.000 χ²/NDF: 10839622.8/47
Right: 0.000+/-0.000 χ²/NDF: 23491772.7/69
In: 0.000+/-0.000 χ²/NDF:14644758.2/55
Out: 0.000+/-0.000 χ²/NDF:18707291.4/61
All: 0.000+/-0.000 χ²/NDF: 34531195.3/117

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.031 χ^2/NDF: 41.1/32

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.021+/-0.030 χ^2/NDF: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

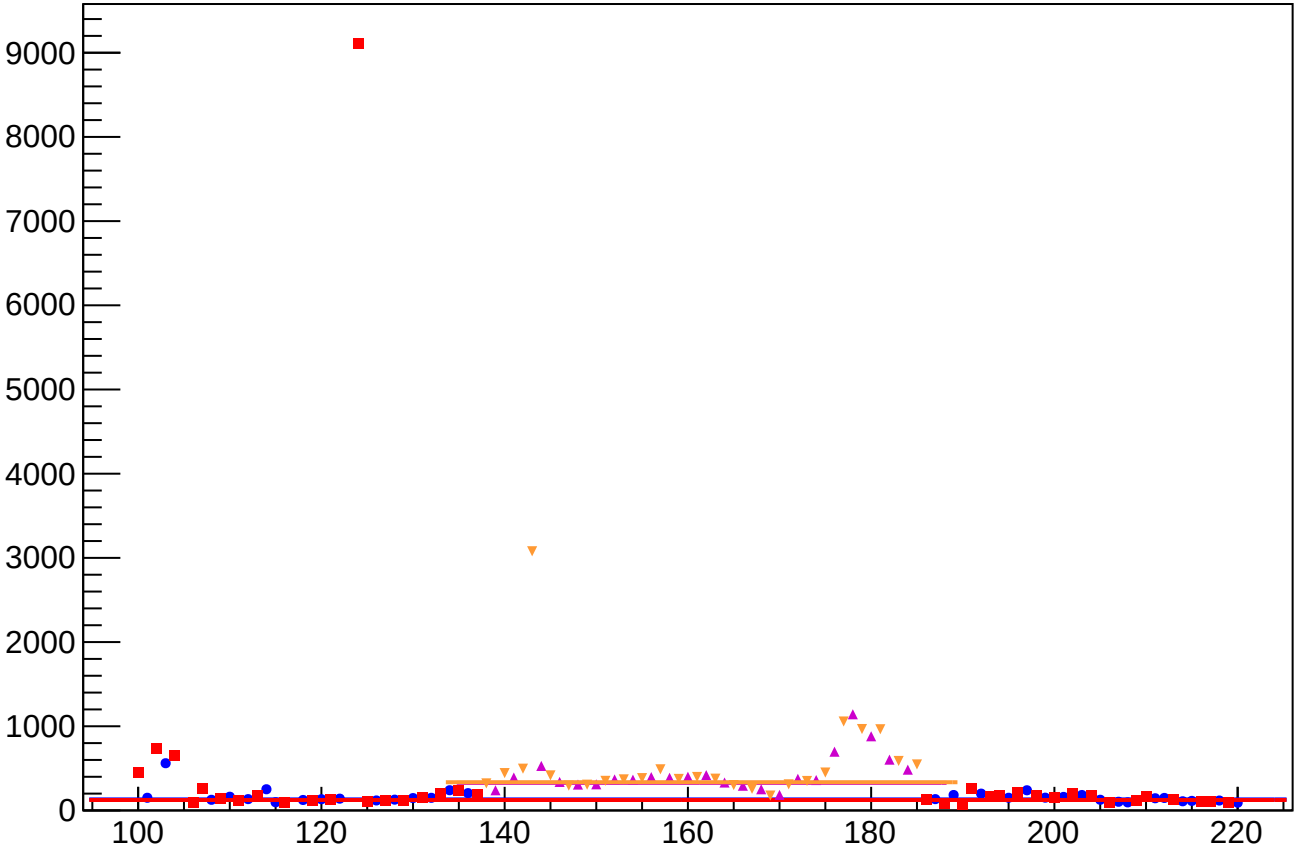
Right: 0.004+/-0.022 χ^2/NDF: 79.2/69

In: -0.020+/-0.029 χ^2/NDF:69.4/55

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: -0.003+/-0.020 χ^2/NDF: 141.3/117

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.990+/-0.022 χ^2/NDF: 2830323.4/32

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

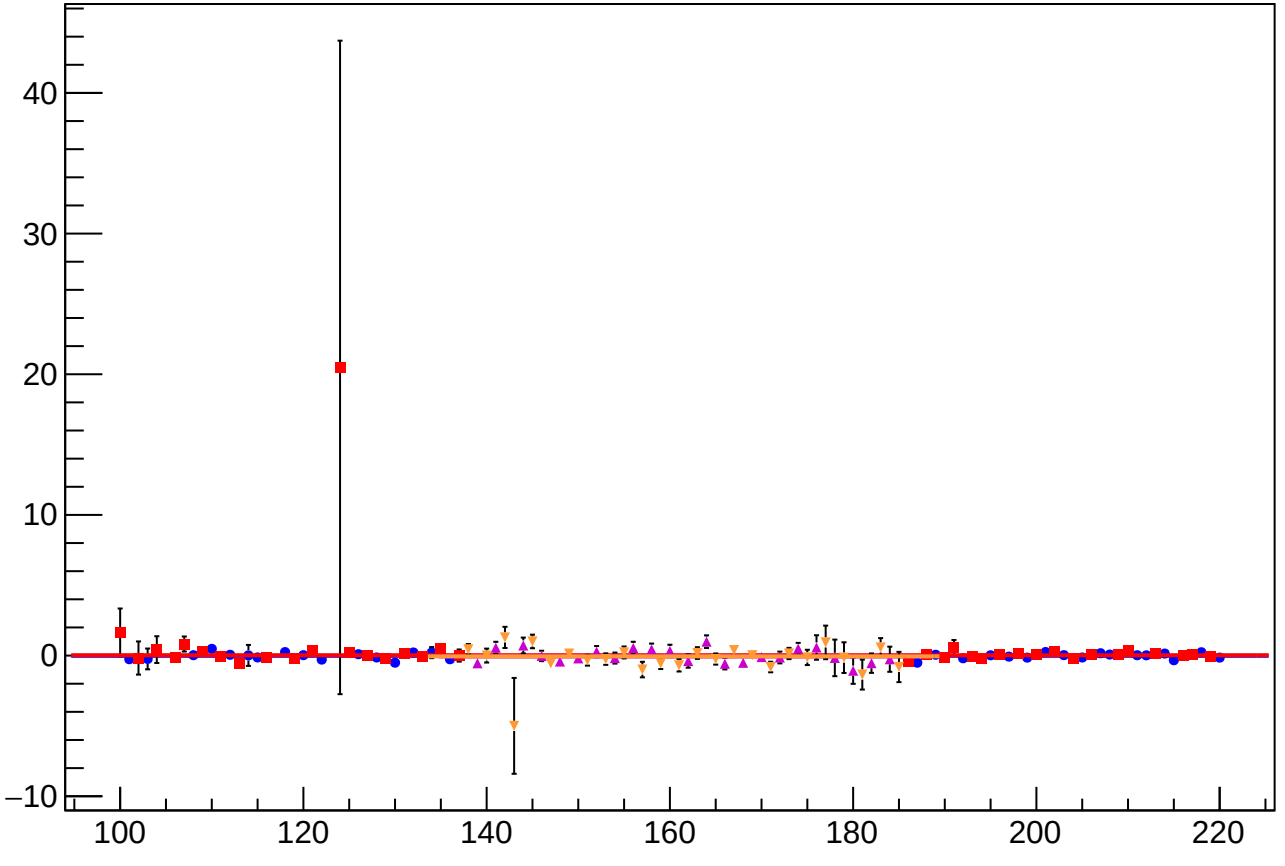
Right: 127.548+/-0.015 χ^2/NDF: 7415223.9/69

In: 155.085+/-0.020 χ^2/NDF:16889679.9/55

Out: 147.890+/-0.020 χ^2/NDF:21421296.1/61

All: 151.403+/-0.014 χ^2/NDF: 38374112.0/1

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.031 χ^2/NDF: 41.1/32

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.021+/-0.030 χ^2/NDF: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

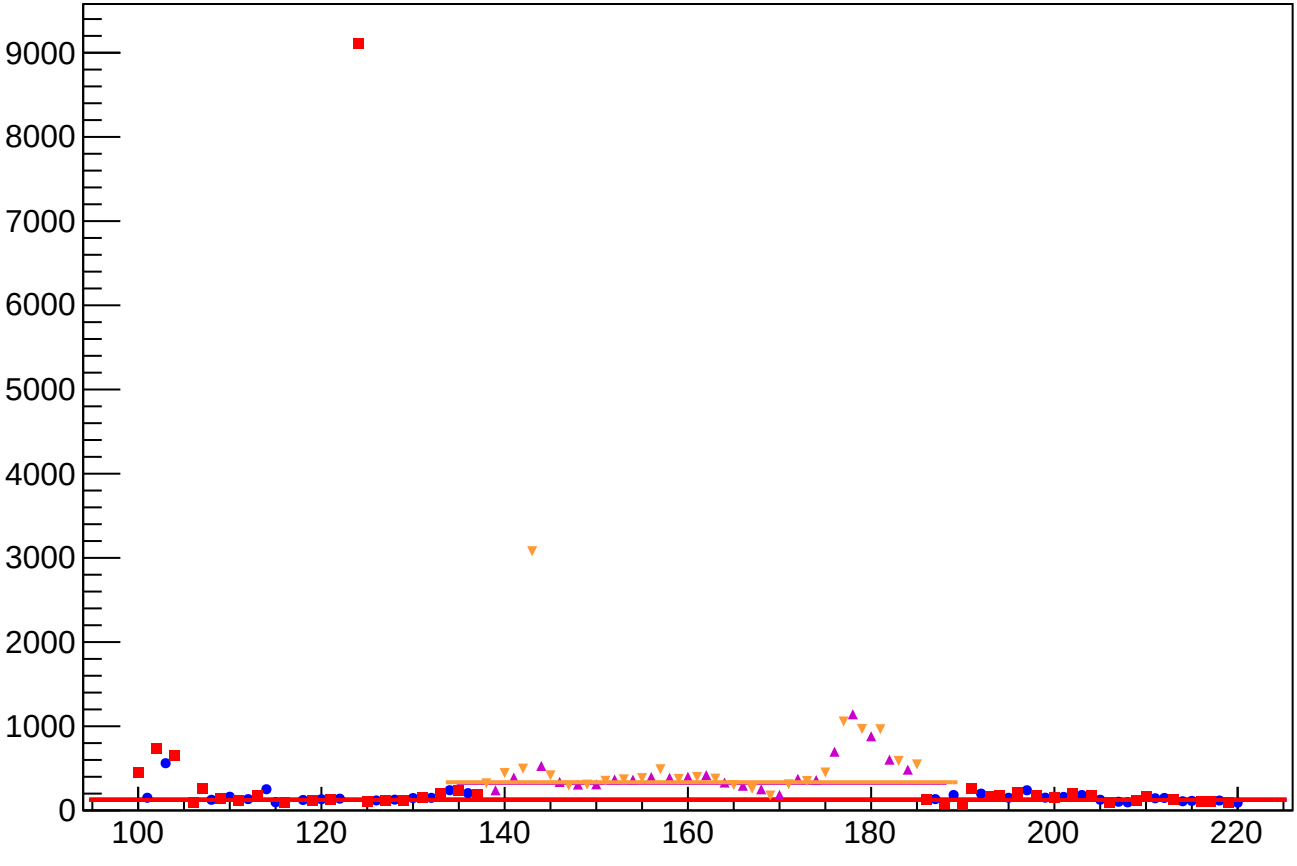
Right: 0.004+/-0.022 χ^2/NDF: 79.2/69

In: -0.020+/-0.029 χ^2/NDF:69.4/55

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: -0.003+/-0.020 χ^2/NDF: 141.3/117

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.990+/-0.022 χ^2/NDF: 2830323.4/32

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

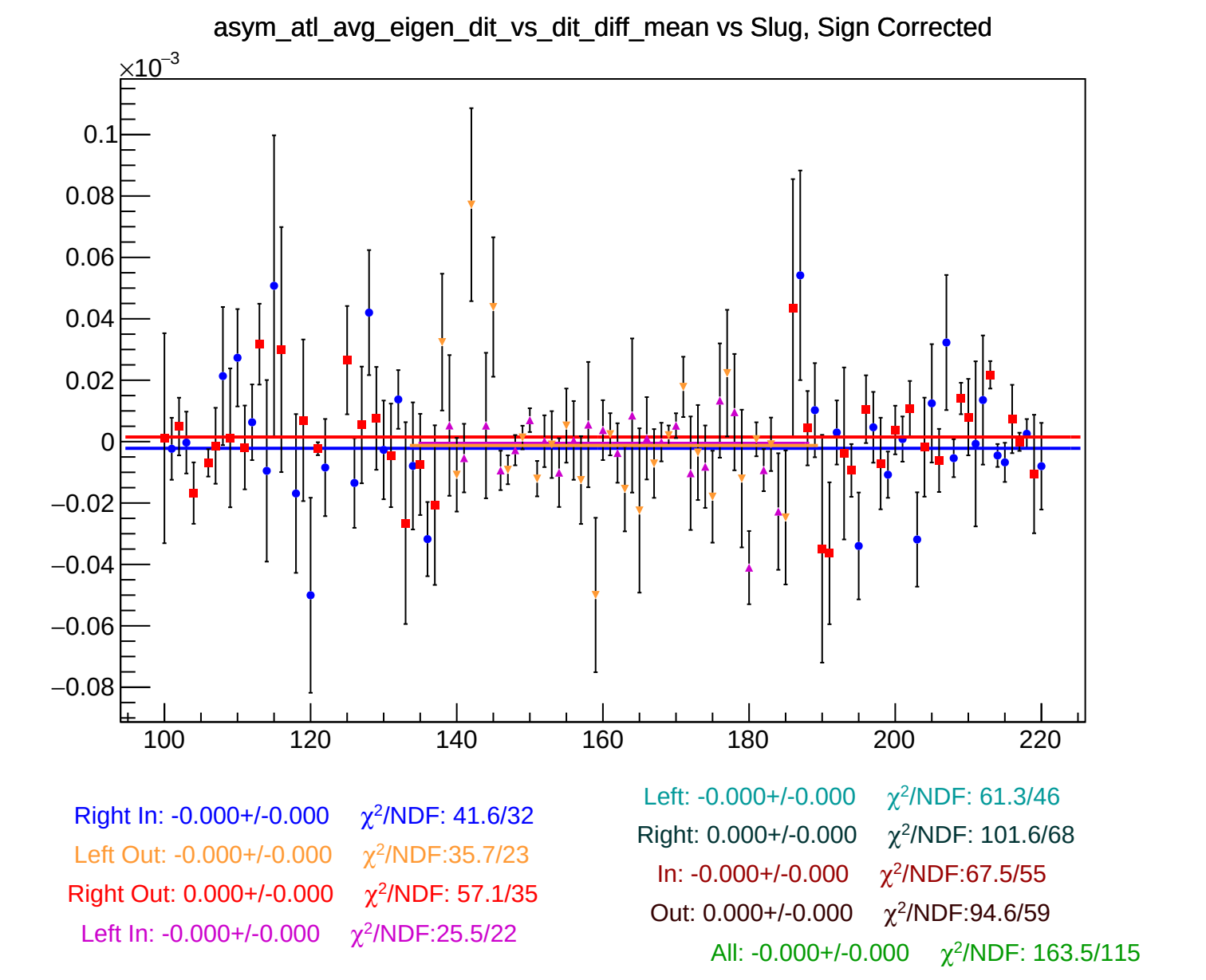
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

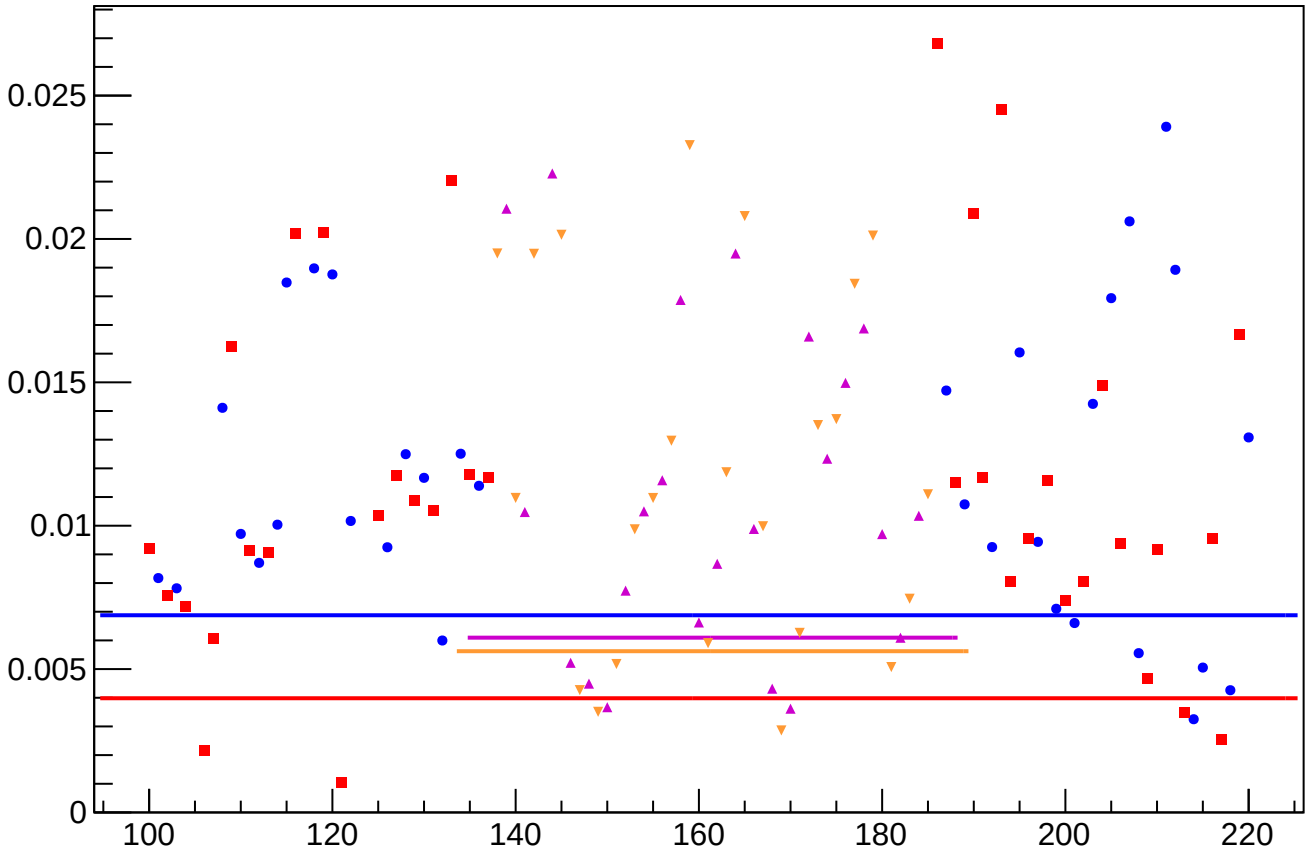
Right: 127.548+/-0.015 χ^2/NDF: 7415223.9/69

In: 155.085+/-0.020 χ^2/NDF:16889679.9/55

Out: 147.890+/-0.020 χ^2/NDF:21421296.1/61

All: 151.403+/-0.014 χ^2/NDF: 38374112.0/11


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 41.6/32
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 57.1/35
Left In: -0.000+/-0.000 χ²/NDF:25.5/22
Left: -0.000+/-0.000 χ²/NDF: 61.3/46
Right: 0.000+/-0.000 χ²/NDF: 101.6/68
In: -0.000+/-0.000 χ²/NDF:67.5/55
Out: 0.000+/-0.000 χ²/NDF:94.6/59
All: -0.000+/-0.000 χ²/NDF: 163.5/115



Right In: 0.007+/-0.000 χ^2/NDF: 9604051.7/32

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 18561448.4/35

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

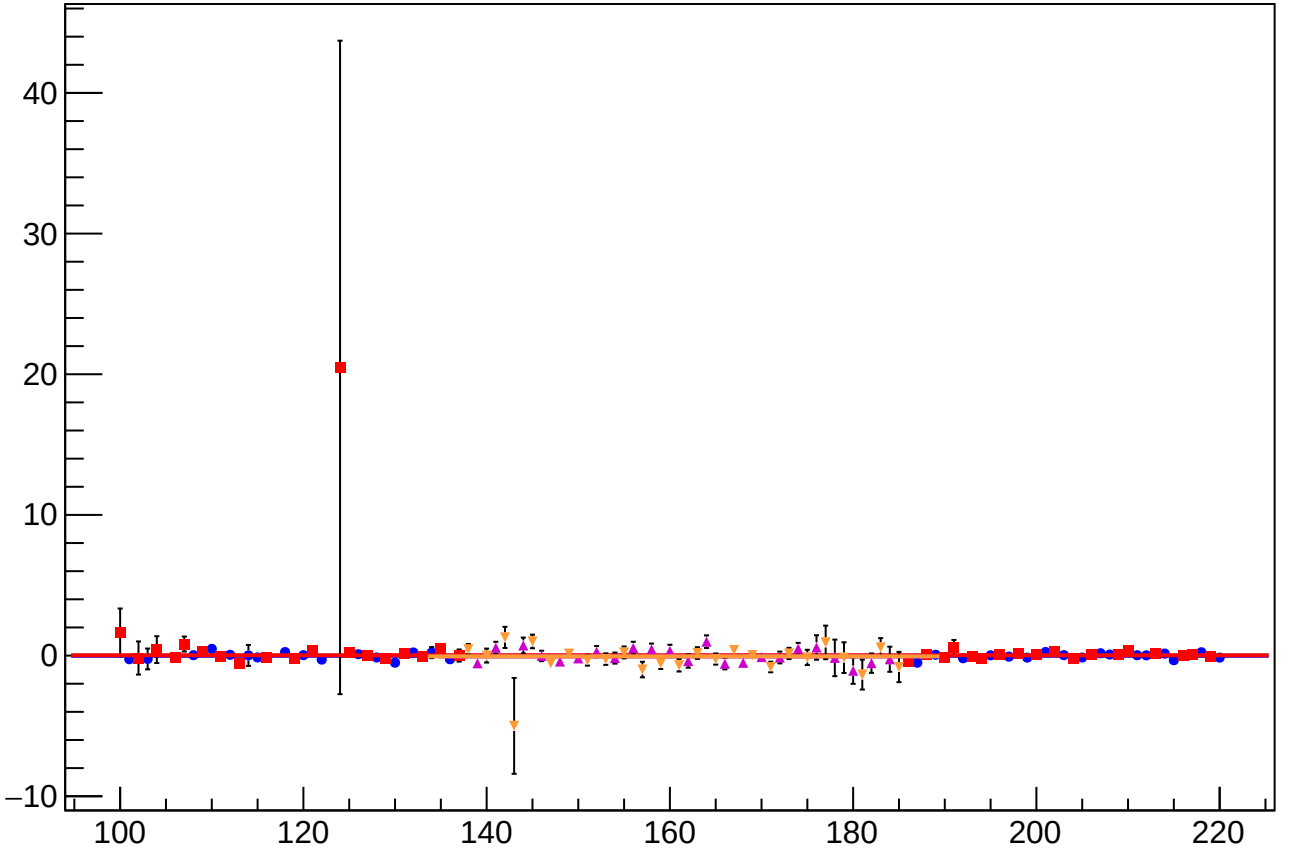
Right: 0.005+/-0.000 χ^2/NDF: 31705791.4/68

In: 0.006+/-0.000 χ^2/NDF:18601730.2/55

Out: 0.005+/-0.000 χ^2/NDF:31031169.7/59

All: 0.005+/-0.000 χ^2/NDF: 52431774.0/115

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.031 χ^2/NDF: 41.1/32

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.021+/-0.030 χ^2/NDF: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

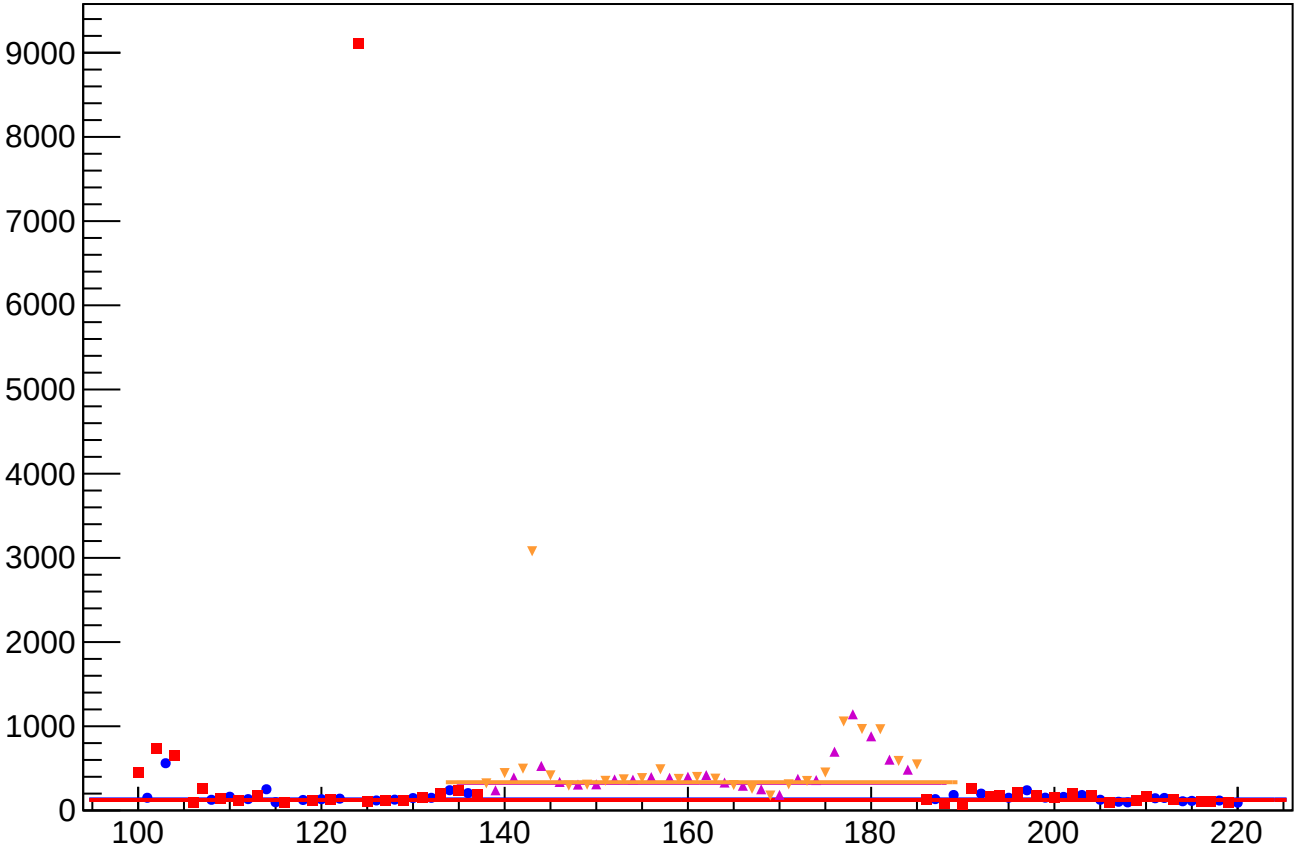
Right: 0.004+/-0.022 χ^2/NDF: 79.2/69

In: -0.020+/-0.029 χ^2/NDF:69.4/55

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: -0.003+/-0.020 χ^2/NDF: 141.3/117

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.987+/-0.022 χ^2/NDF: 2830493.4/32

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

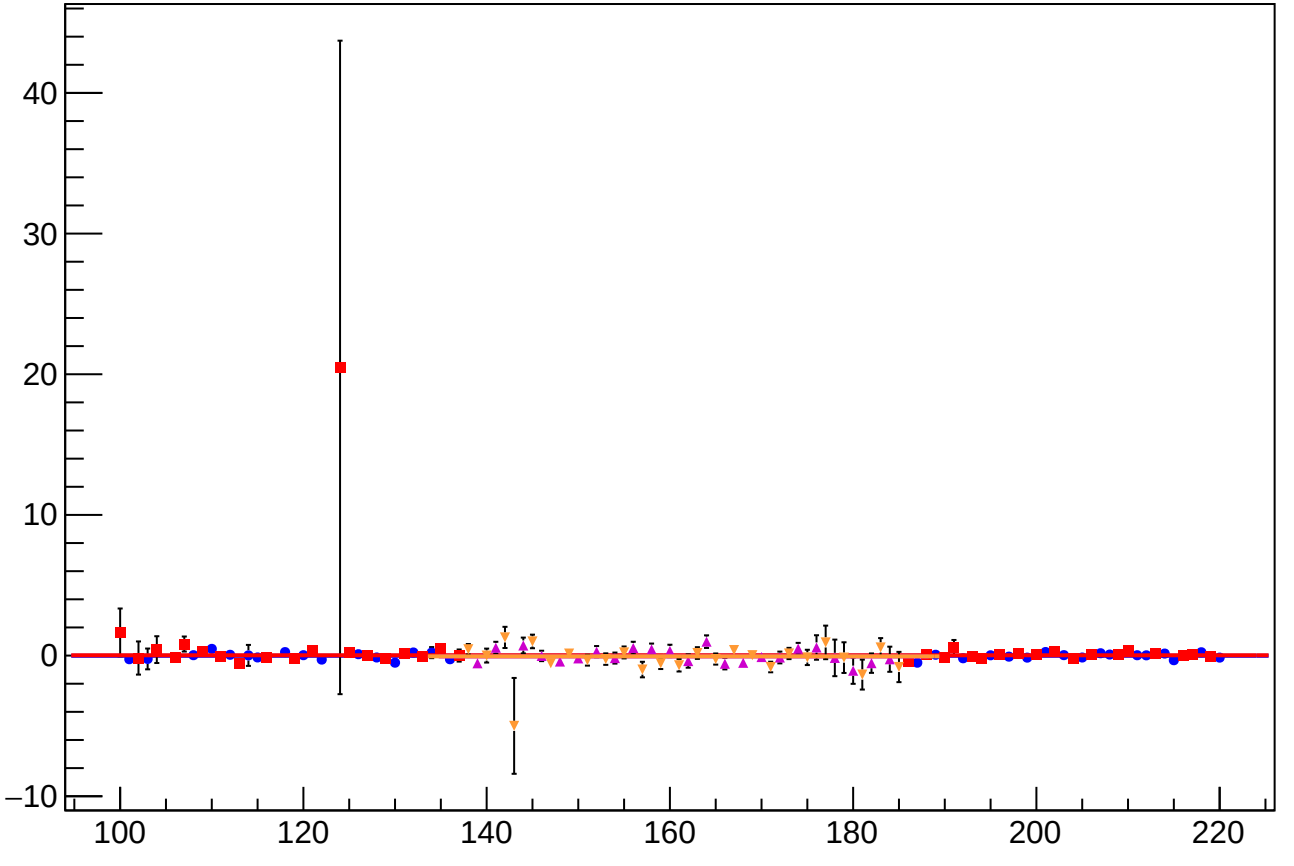
Right: 127.545+/-0.015 χ^2/NDF: 7415536.2/69

In: 155.082+/-0.020 χ^2/NDF:16890247.3/55

Out: 147.887+/-0.020 χ^2/NDF:21421851.8/61

All: 151.401+/-0.014 χ^2/NDF: 38375236.9/11

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.031 χ^2/NDF: 41.1/32

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.021+/-0.030 χ^2/NDF: 37.4/36

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

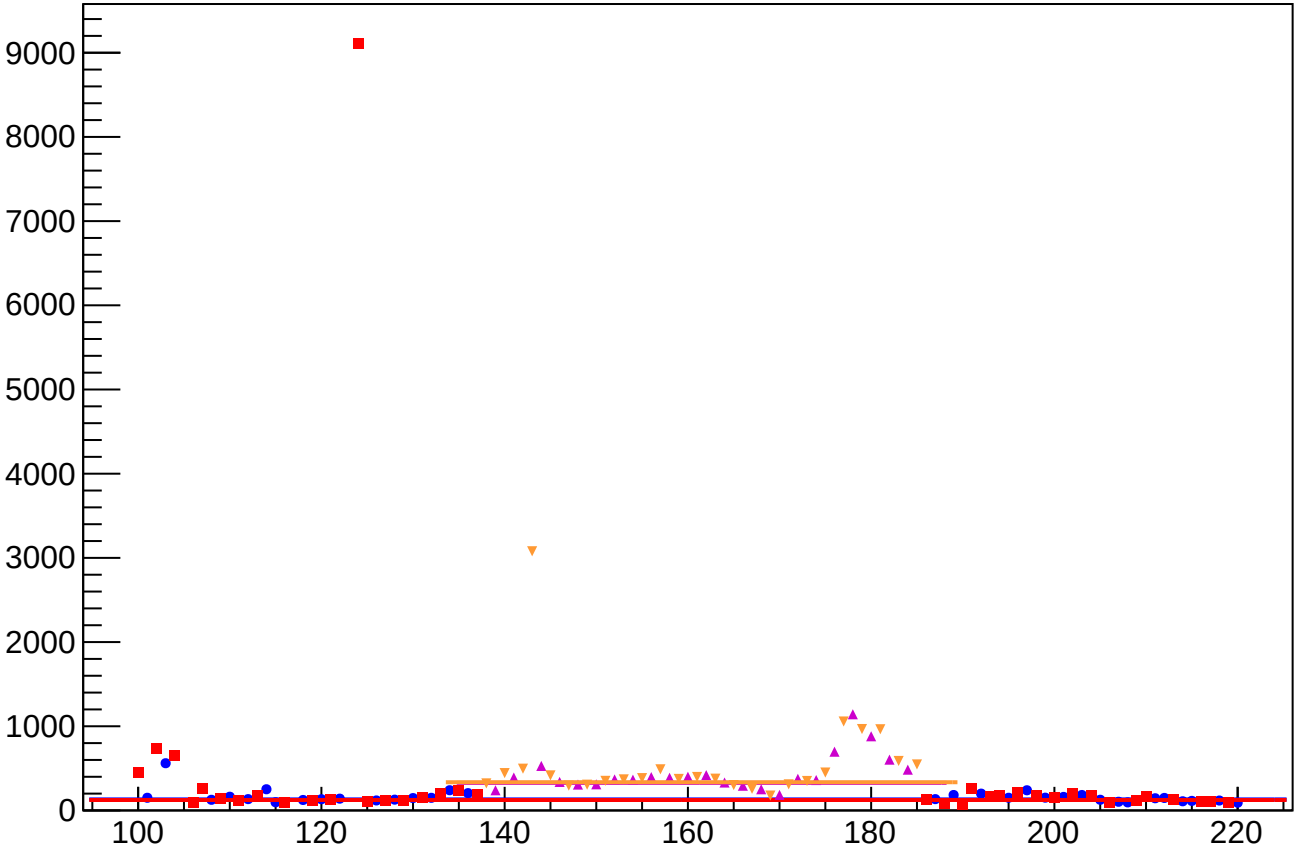
Right: 0.004+/-0.022 χ^2/NDF: 79.2/69

In: -0.020+/-0.029 χ^2/NDF:69.4/55

Out: 0.013+/-0.028 χ^2/NDF:71.2/61

All: -0.003+/-0.020 χ^2/NDF: 141.3/117

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.987+/-0.022 χ^2/NDF: 2830493.4/32

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

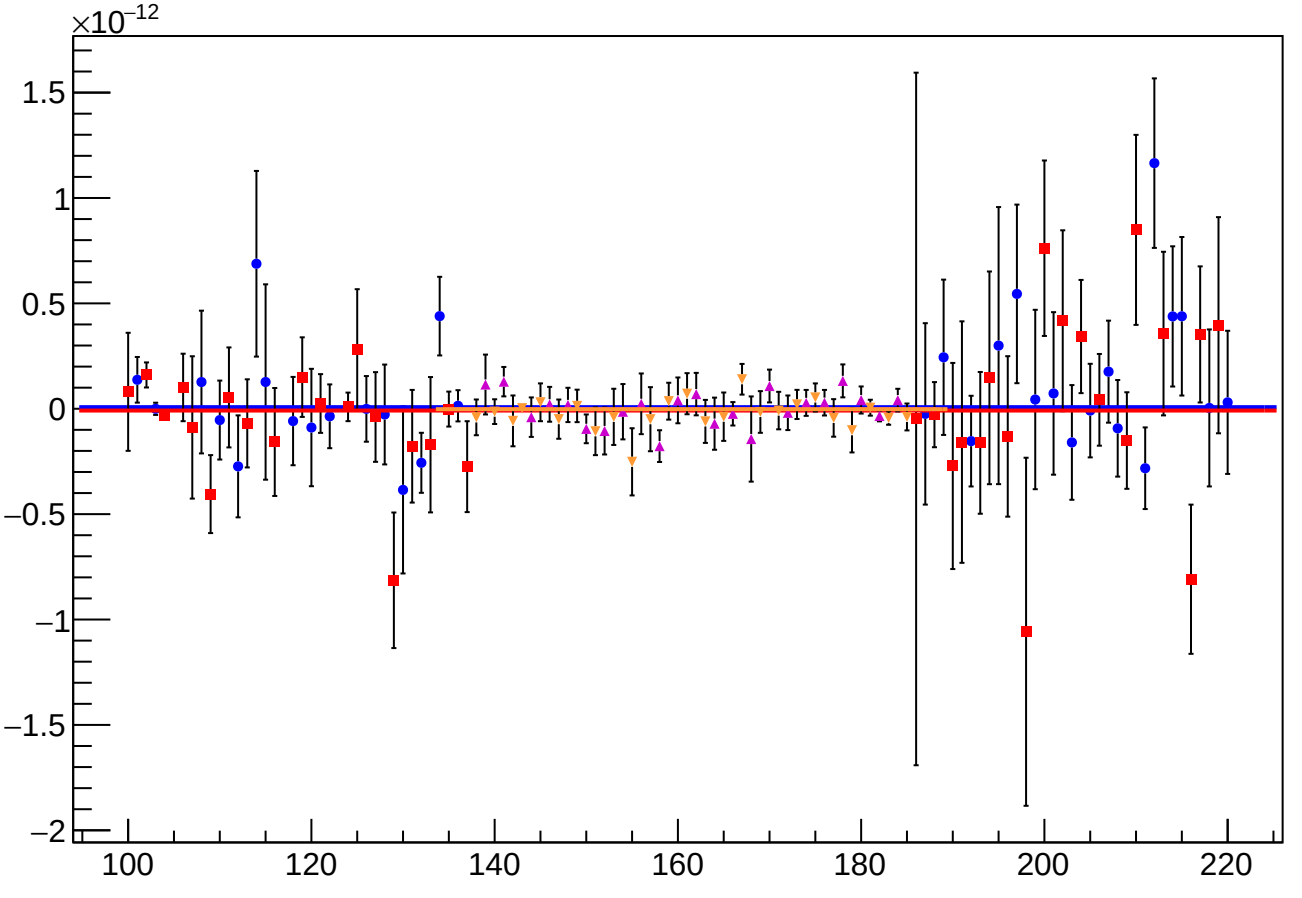
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 127.545+/-0.015 χ^2/NDF: 7415536.2/69

In: 155.082+/-0.020 χ^2/NDF:16890247.3/55

Out: 147.887+/-0.020 χ^2/NDF:21421851.8/61

All: 151.401+/-0.014 χ^2/NDF: 38375236.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.6/36

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

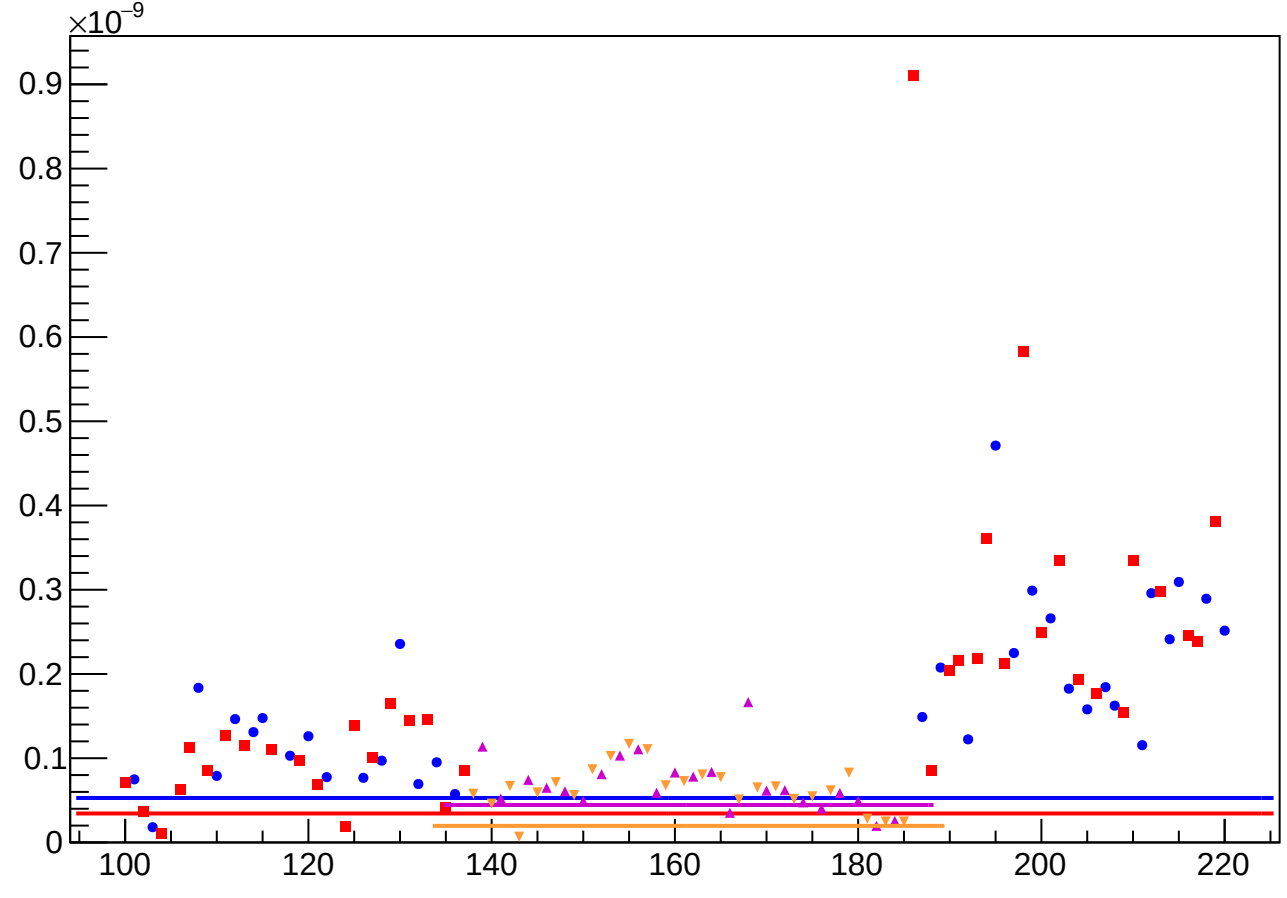
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 79.0/69

In: 0.000+/-0.000 χ^2/NDF:55.7/55

Out: -0.000+/-0.000 χ^2/NDF:59.3/61

All: -0.000+/-0.000 χ^2/NDF: 115.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 13767664.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17053704.4/36

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

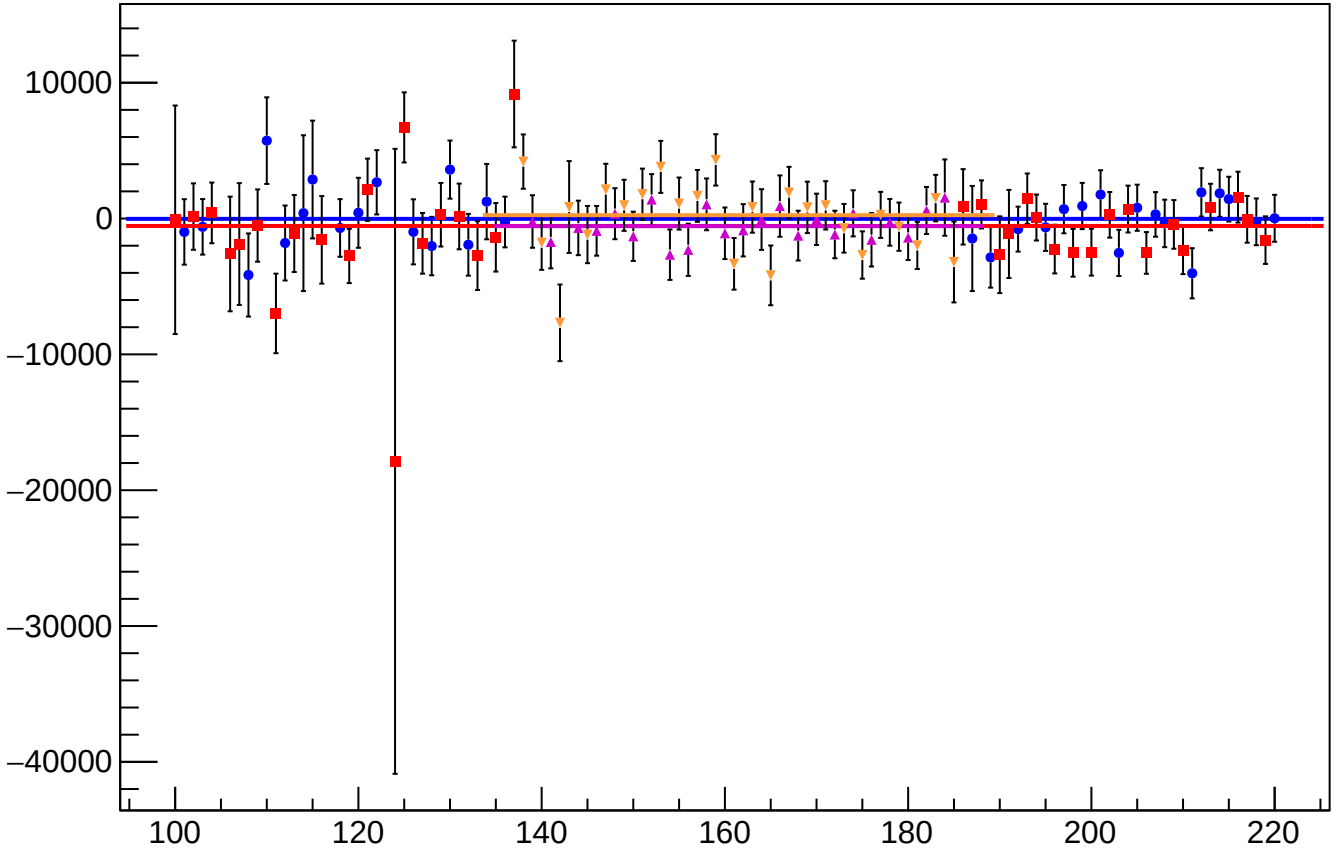
Right: 0.000+/-0.000 χ^2/NDF: 31626384.9/69

In: 0.000+/-0.000 χ^2/NDF:19881514.0/55

Out: 0.000+/-0.000 χ^2/NDF:33039296.5/61

All: 0.000+/-0.000 χ^2/NDF: 58891956.4/117

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -23.207+/-355.445 χ^2/NDF: 26.4/32

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -546.599+/-357.889 χ^2/NDF: 36.3/36

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

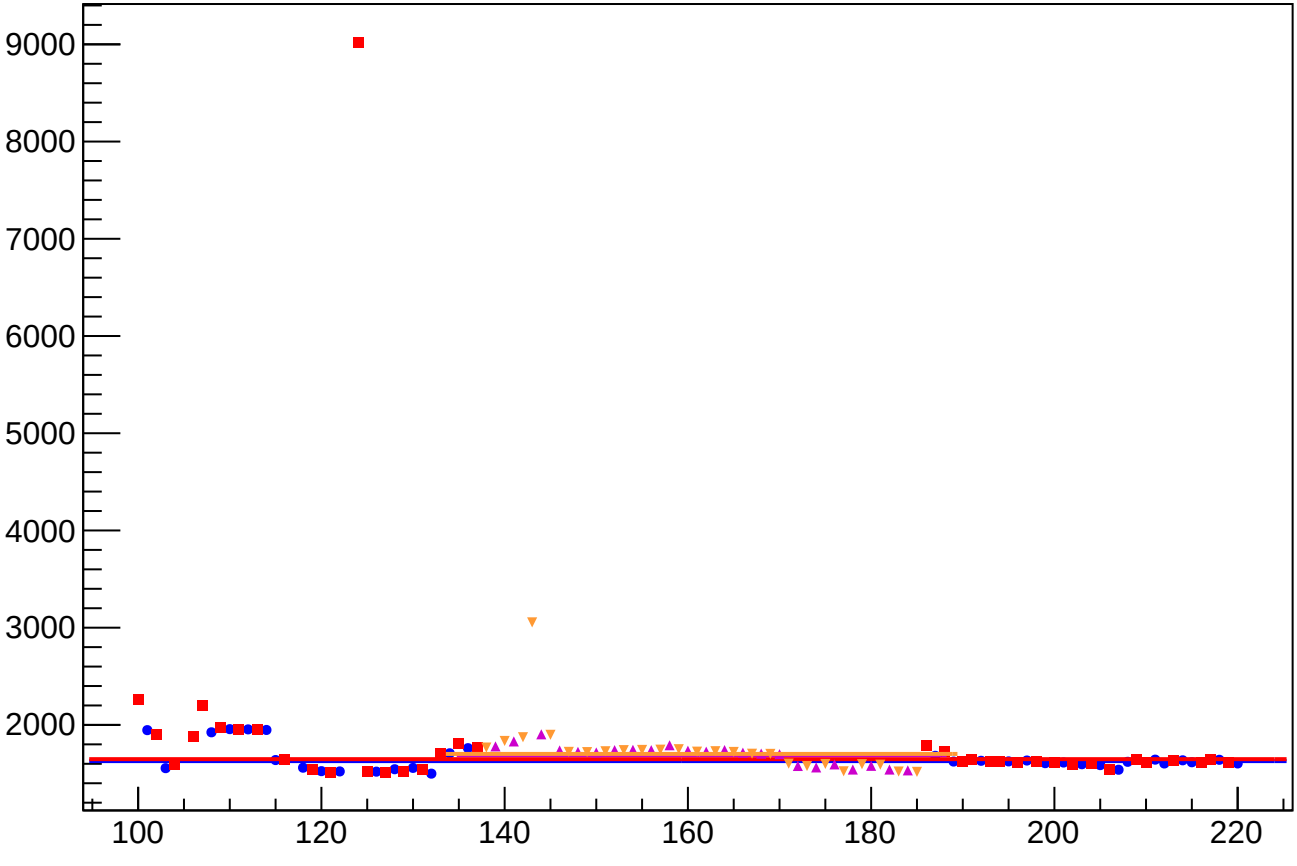
Right: -283.110+/-252.197 χ^2/NDF: 63.8/69

In: -263.310+/-264.252 χ^2/NDF:34.9/55

Out: -182.058+/-263.325 χ^2/NDF:78.2/61

All: -222.541+/-186.526 χ^2/NDF: 113.1/117

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1627.722+/-0.251 χ^2/NDF: 158318.6/32

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1647.784+/-0.253 χ^2/NDF: 424771.5/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

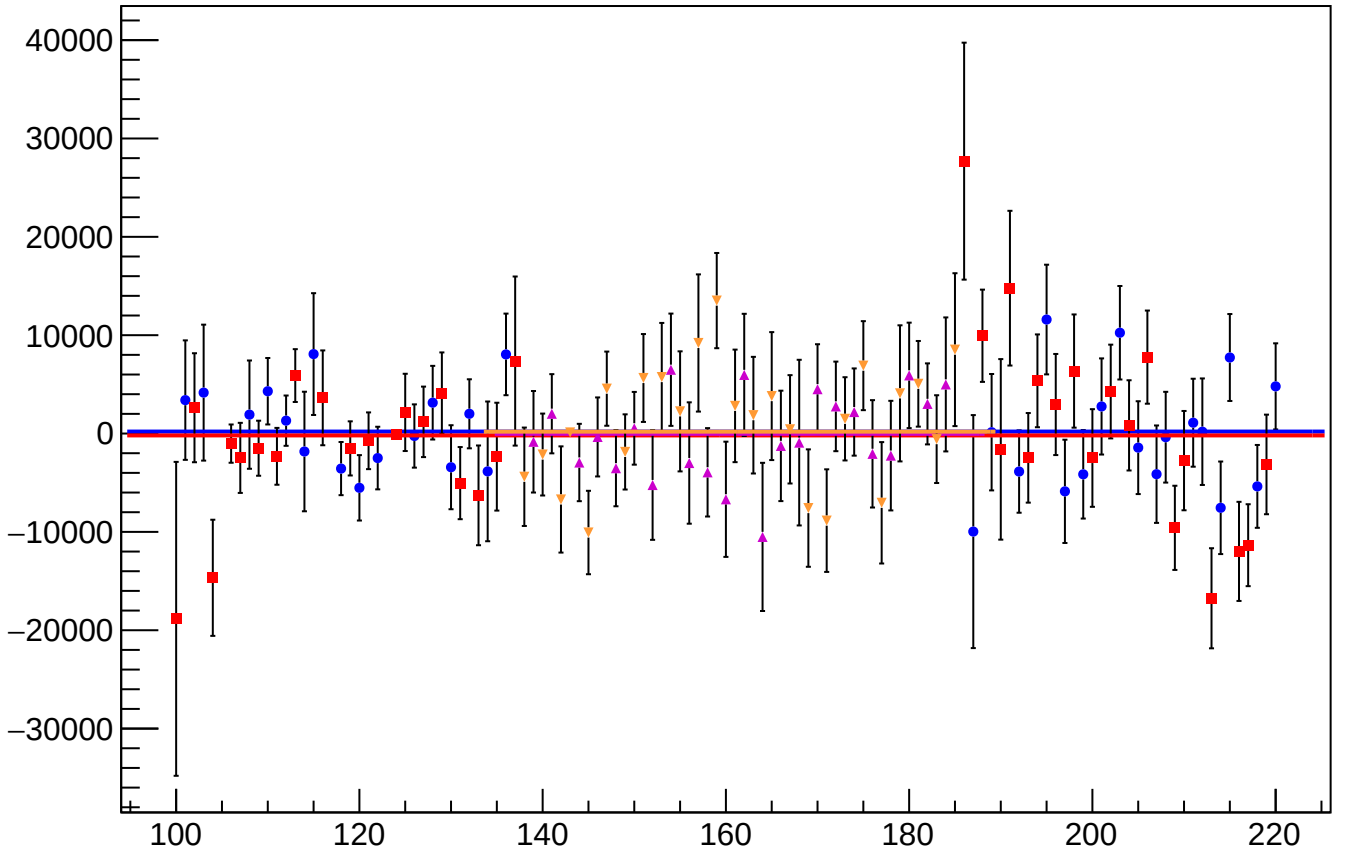
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1637.699+/-0.178 χ^2/NDF: 586258.6/69

In: 1655.247+/-0.187 χ^2/NDF:307449.6/55

Out: 1672.419+/-0.186 χ^2/NDF:897906.0/61

All: 1663.870+/-0.132 χ^2/NDF: 1209596.3/11



Right In: 201.119+/-745.170 χ^2/NDF: 37.5/32

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -192.101+/-312.660 χ^2/NDF: 70.5/36

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

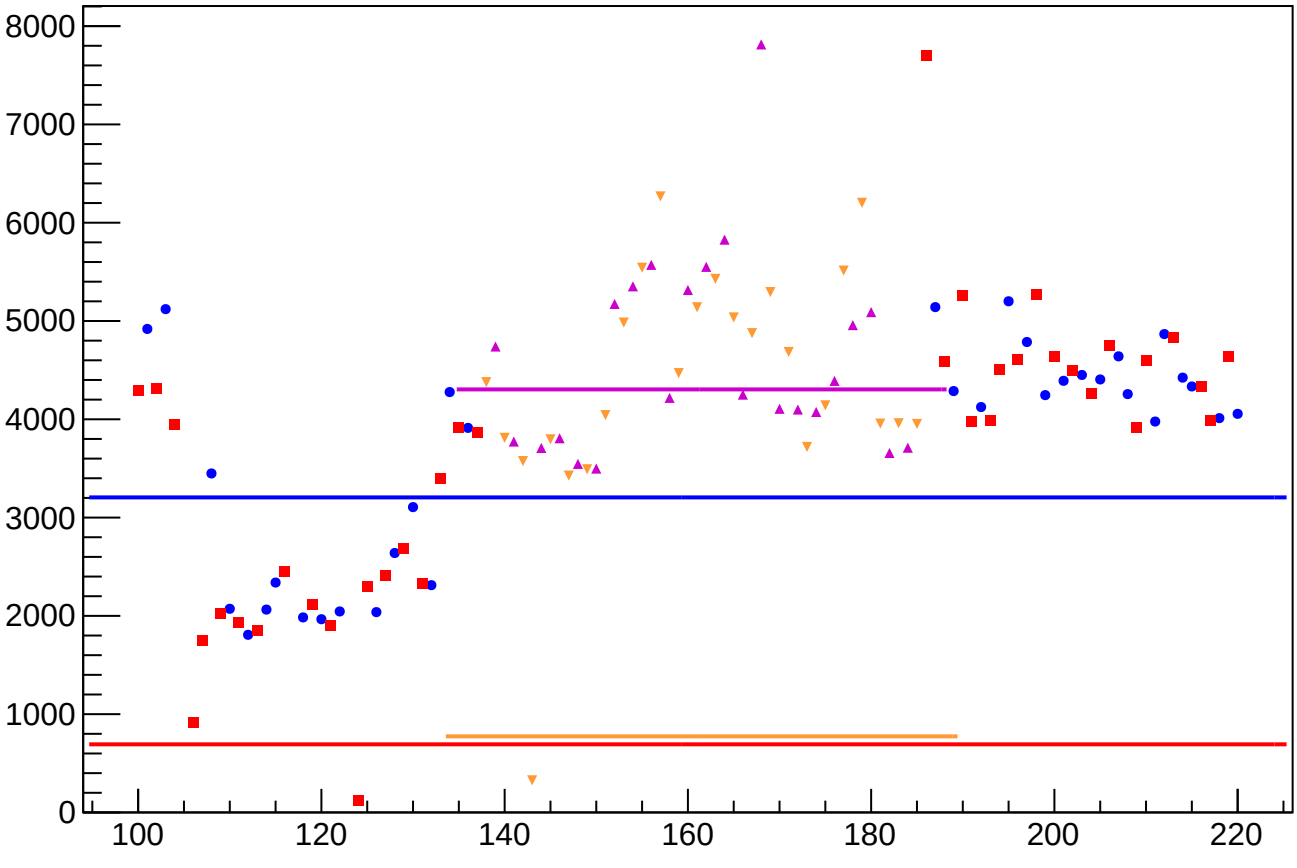
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -133.238+/-288.310 χ^2/NDF: 108.2/69

In: 121.693+/-602.823 χ^2/NDF:50.8/55

Out: -17.177+/-231.107 χ^2/NDF:105.1/61

All: 0.618+/-215.793 χ^2/NDF: 155.9/117



Right In: 3205.302+/-0.527 χ^2/NDF: 4822175.0/32

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 693.091+/-0.221 χ^2/NDF: 32541297.9/36

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

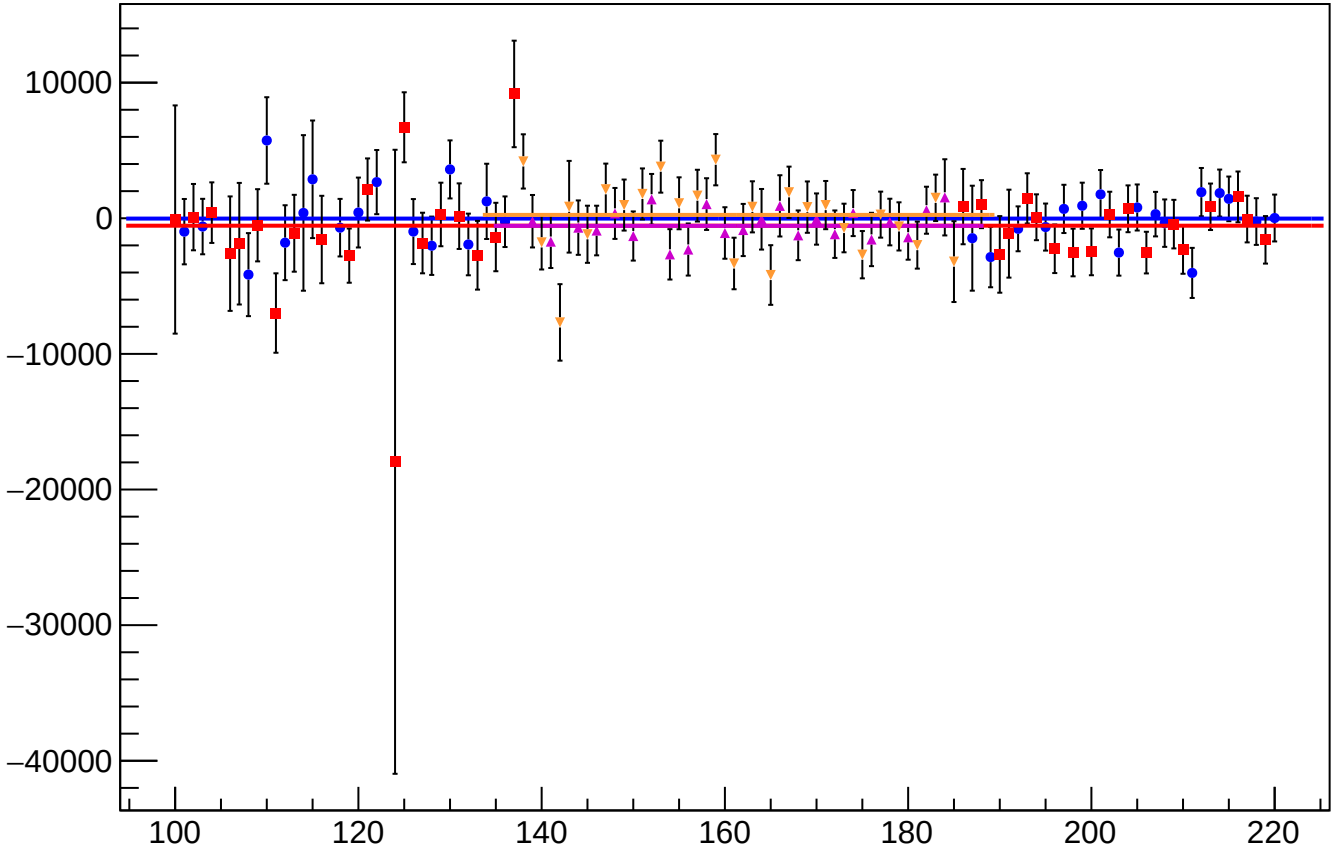
Right: 1069.159+/-0.204 χ^2/NDF: 56692338.3/69

In: 3584.971+/-0.426 χ^2/NDF:7541223.6/55

Out: 729.900+/-0.163 χ^2/NDF:60687989.2/61

All: 1095.756+/-0.153 χ^2/NDF: 107342999.2

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -23.156+/-355.445 χ^2/NDF: 26.4/32

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -547.978+/-357.890 χ^2/NDF: 36.3/36

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

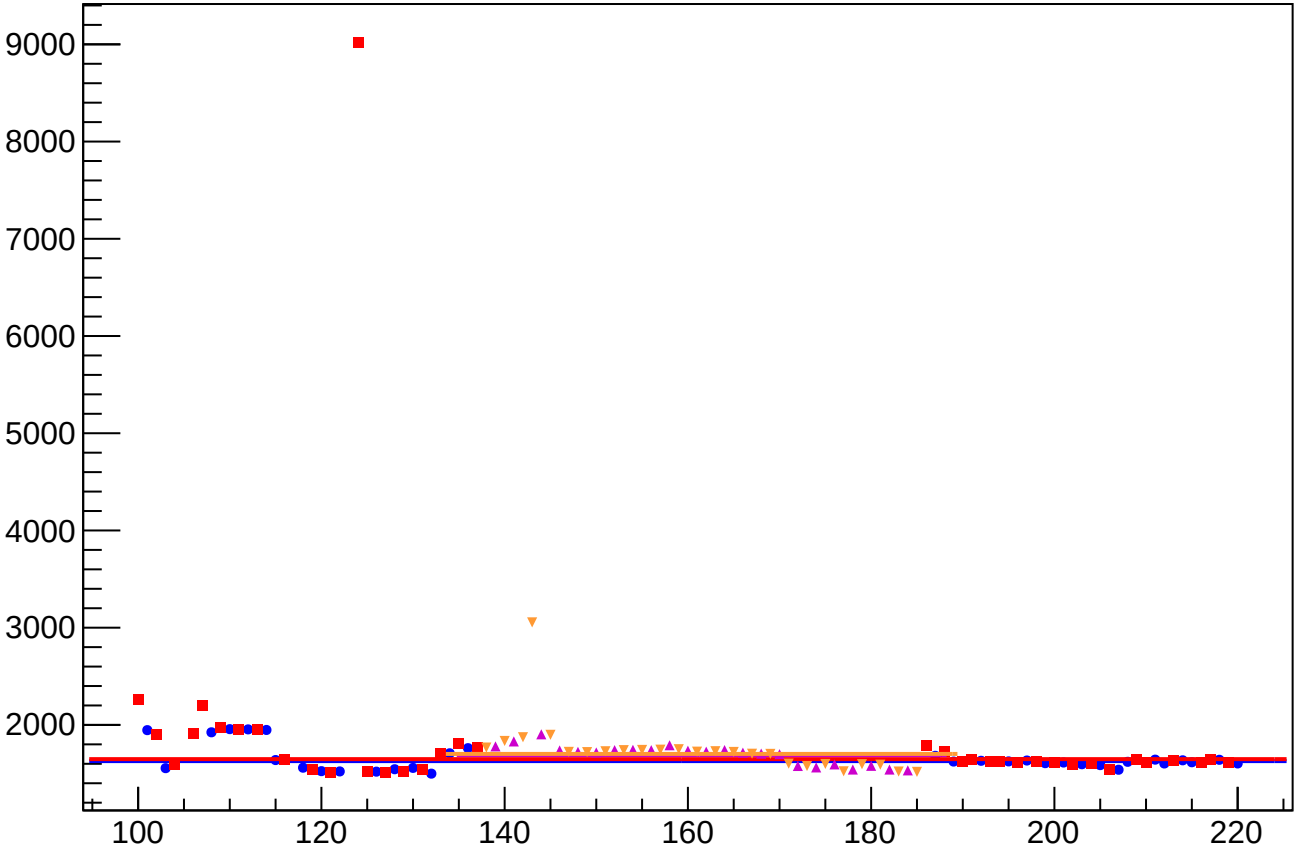
Right: -283.767+/-252.198 χ^2/NDF: 63.8/69

In: -263.266+/-264.252 χ^2/NDF:34.9/55

Out: -182.811+/-263.325 χ^2/NDF:78.2/61

All: -222.897+/-186.526 χ^2/NDF: 113.1/117

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1627.722+/-0.251 χ^2/NDF: 158318.6/32

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

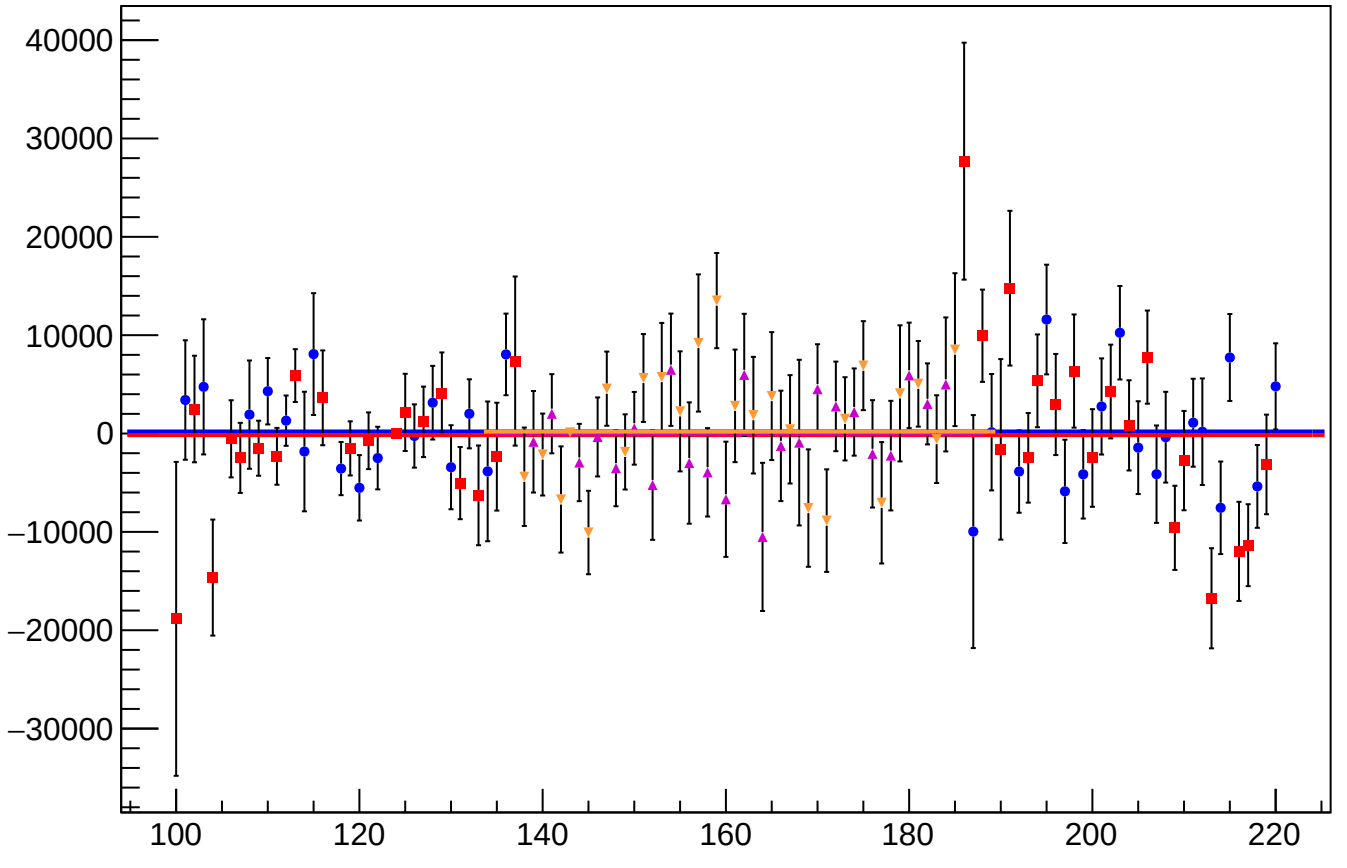
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1637.817+/-0.178 χ^2/NDF: 588465.1/69

In: 1655.247+/-0.187 χ^2/NDF:307449.6/55

Out: 1672.553+/-0.186 χ^2/NDF:899849.3/61

All: 1663.937+/-0.132 χ^2/NDF: 1211605.9/11



Right In: 208.729+/-745.114 χ^2/NDF: 37.6/32

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -157.873+/-305.473 χ^2/NDF: 70.3/36

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

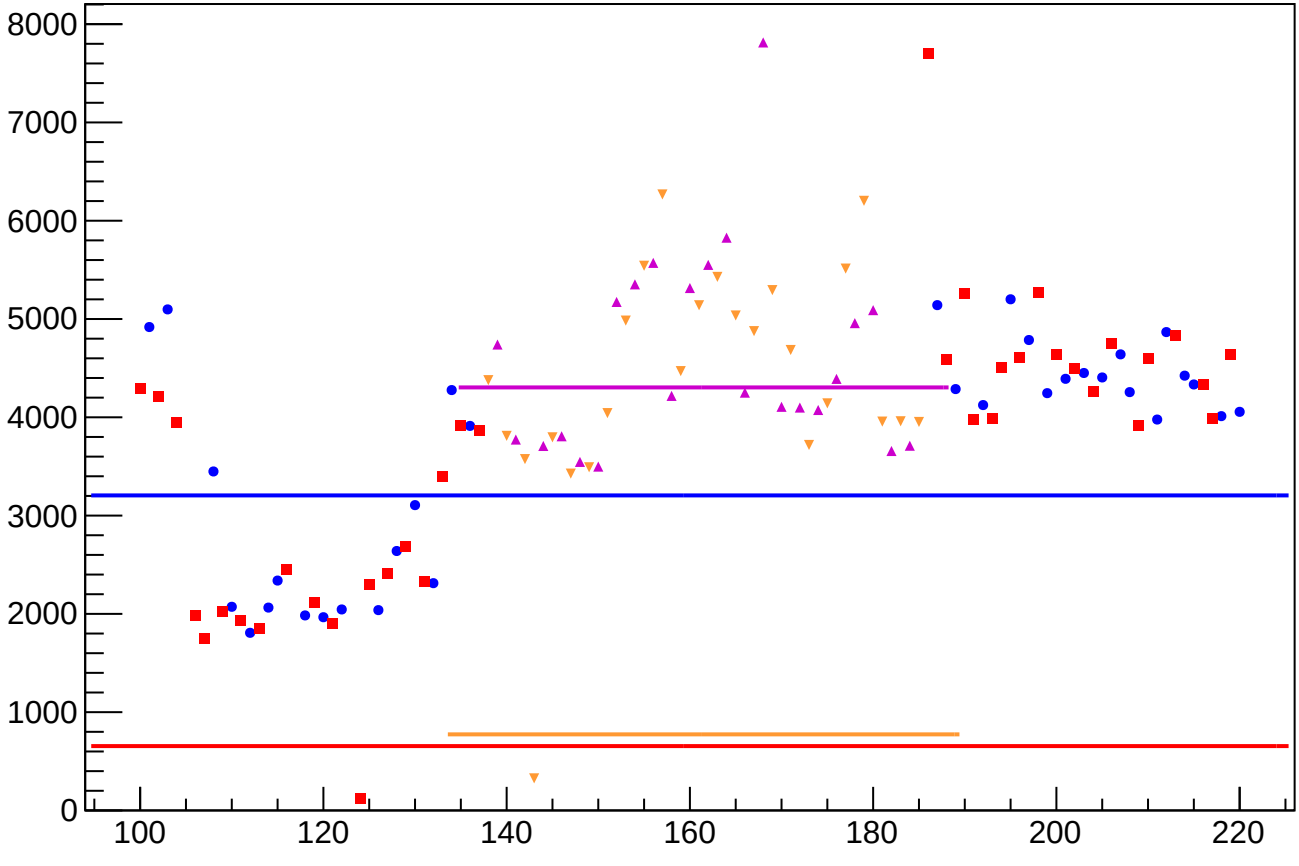
Right: -105.123+/-282.643 χ^2/NDF: 108.1/69

In: 126.668+/-602.793 χ^2/NDF:50.9/55

Out: -2.323+/-228.152 χ^2/NDF:104.8/61

All: 13.840+/-213.379 χ^2/NDF: 155.8/117

asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3205.287+/-0.527 χ^2/NDF: 4820238.9/32

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

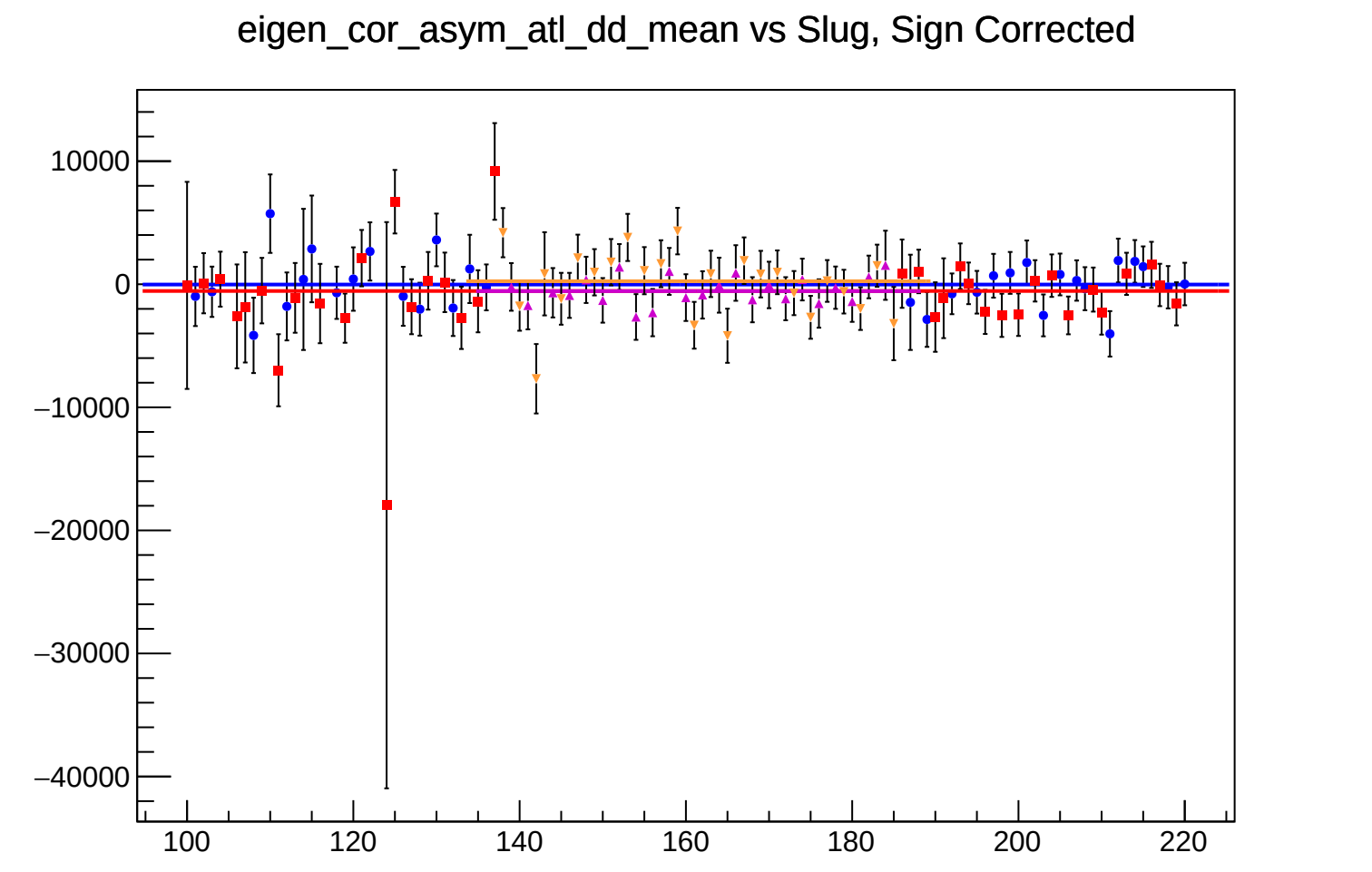
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 1021.820+/-0.200 χ^2/NDF: 58125140.6/69

In: 3584.923+/-0.426 χ^2/NDF:7539389.0/55

Out: 707.590+/-0.161 χ^2/NDF:61465478.2/61

All: 1068.134+/-0.151 χ^2/NDF: 108864185.9/



Right In: -23.156+/-355.445 χ^2/NDF: 26.4/32

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -547.978+/-357.890 χ^2/NDF: 36.3/36

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

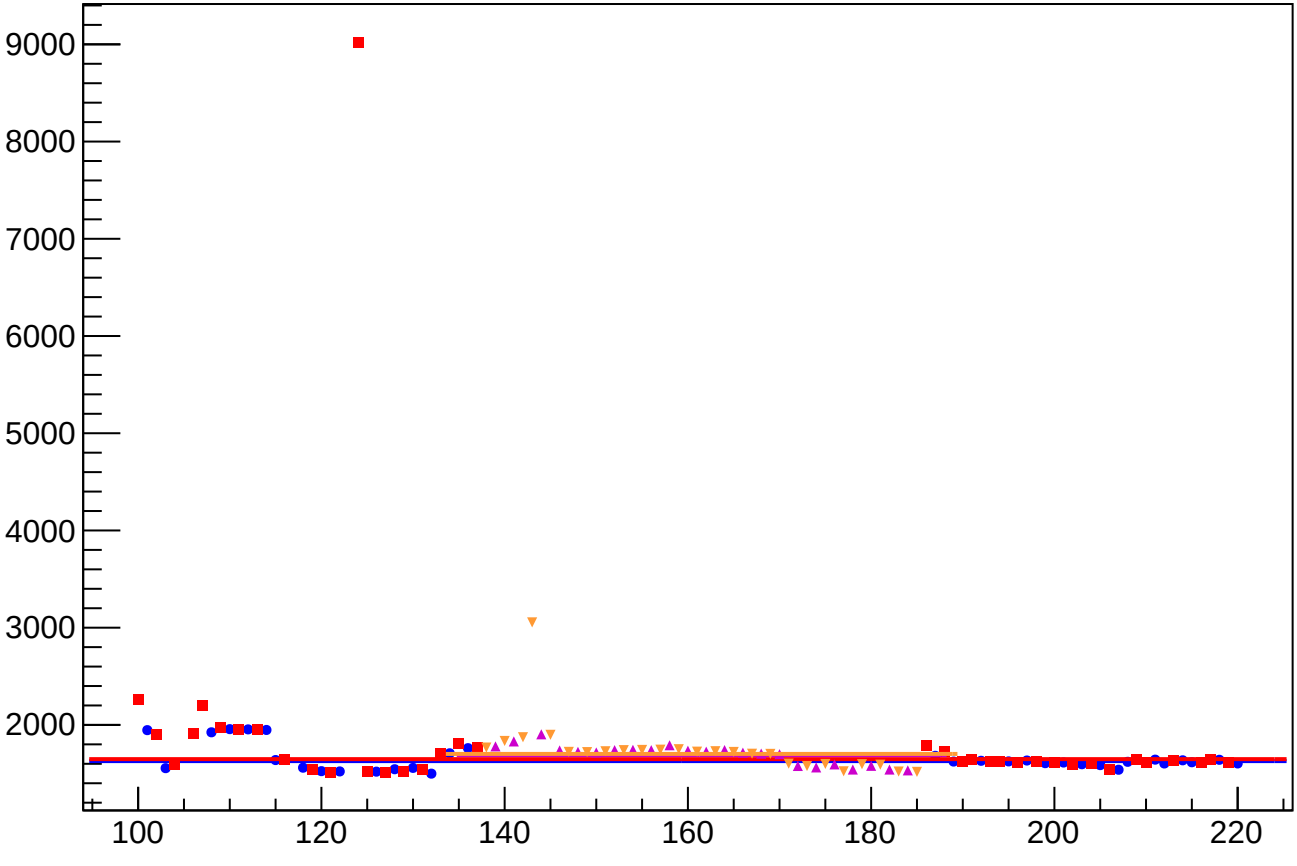
Right: -283.767+/-252.198 χ^2/NDF: 63.8/69

In: -263.266+/-264.252 χ^2/NDF:34.9/55

Out: -182.811+/-263.325 χ^2/NDF:78.2/61

All: -222.897+/-186.526 χ^2/NDF: 113.1/117

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1627.722+/-0.251 χ^2/NDF: 158318.6/32

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

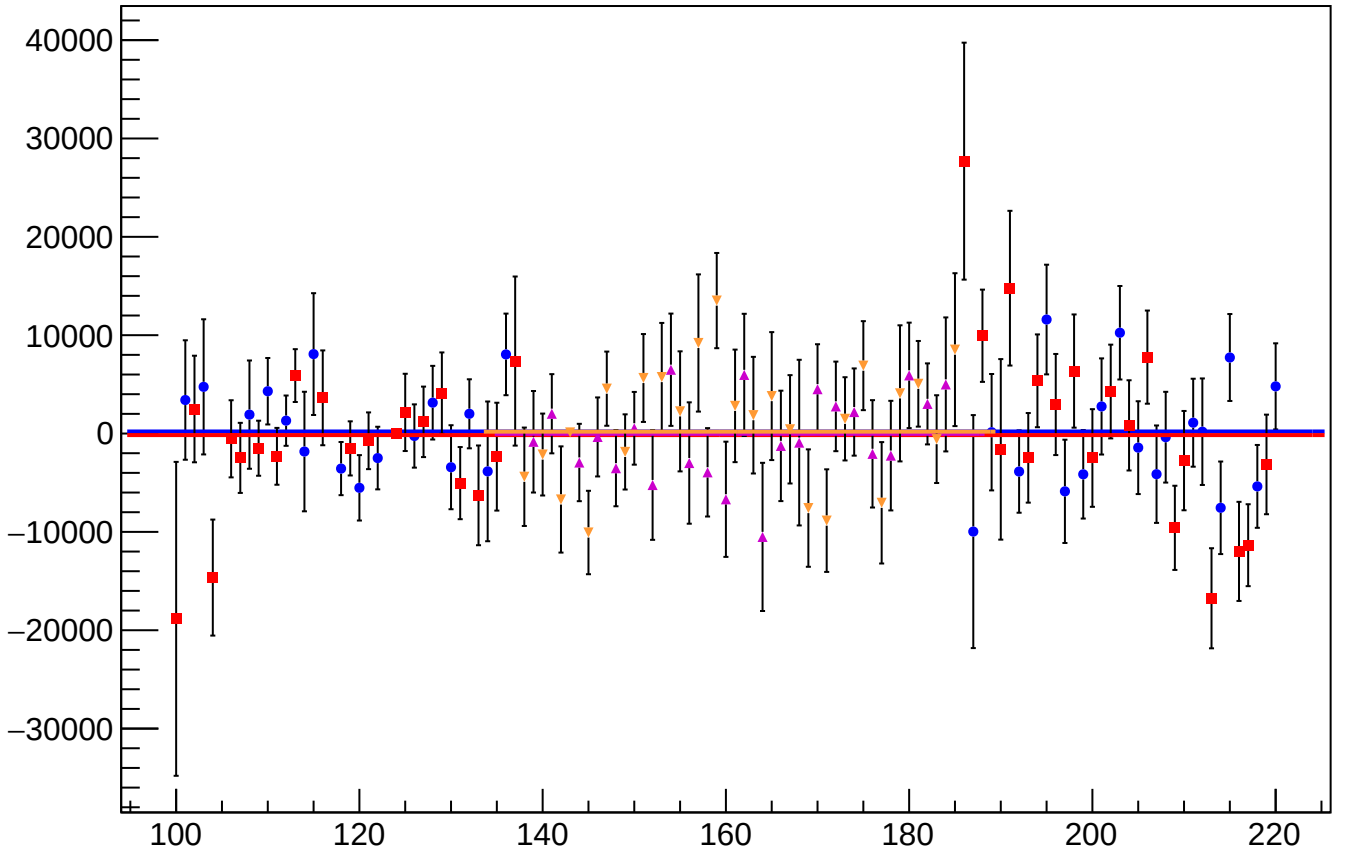
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1637.817+/-0.178 χ^2/NDF: 588465.1/69

In: 1655.247+/-0.187 χ^2/NDF:307449.6/55

Out: 1672.553+/-0.186 χ^2/NDF:899849.3/61

All: 1663.937+/-0.132 χ^2/NDF: 1211605.9/11



Right In: 208.729+/-745.114 χ^2/NDF: 37.6/32

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -157.873+/-305.473 χ^2/NDF: 70.3/36

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

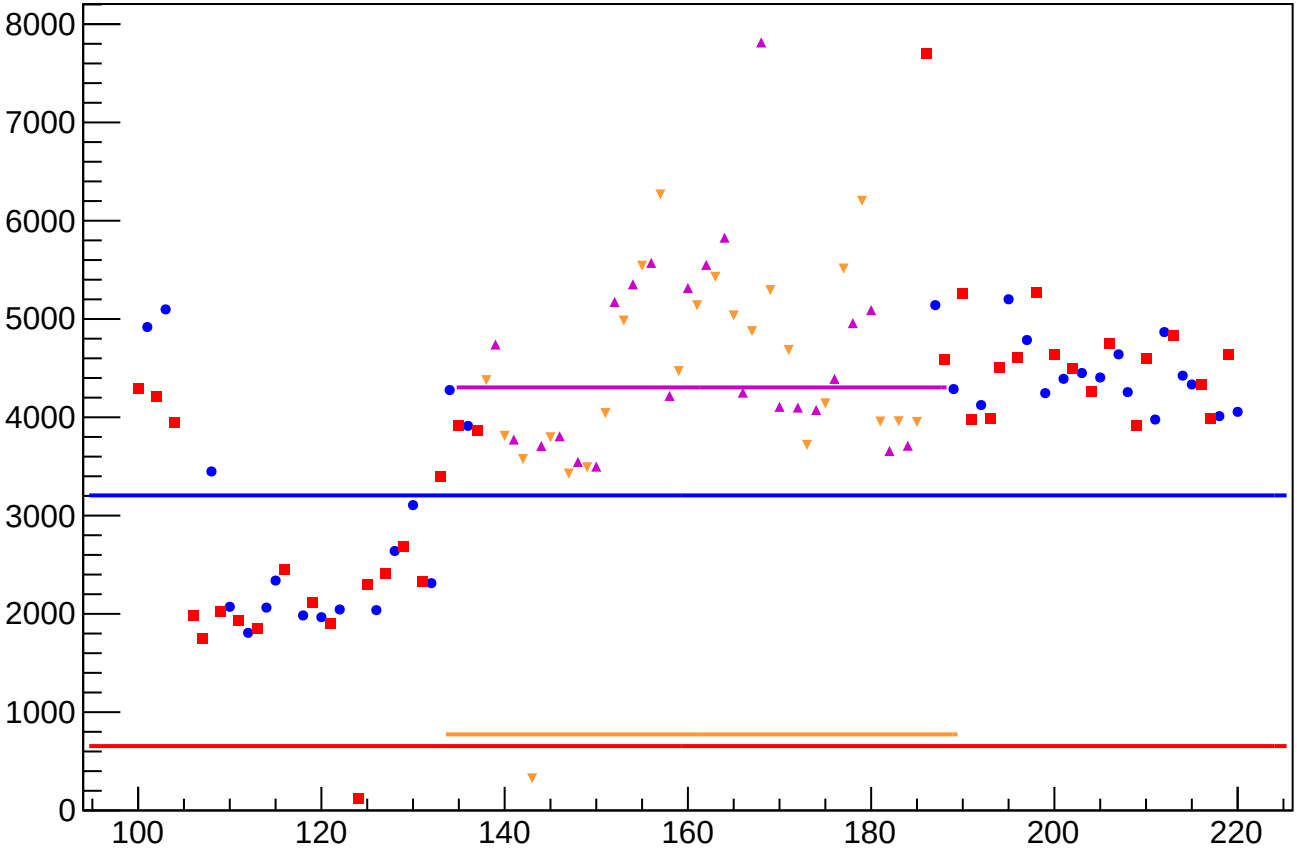
Right: -105.123+/-282.643 χ^2/NDF: 108.1/69

In: 126.668+/-602.793 χ^2/NDF:50.9/55

Out: -2.323+/-228.152 χ^2/NDF:104.8/61

All: 13.840+/-213.379 χ^2/NDF: 155.8/117

asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3205.287+/-0.527 χ^2/NDF: 4820238.9/32

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

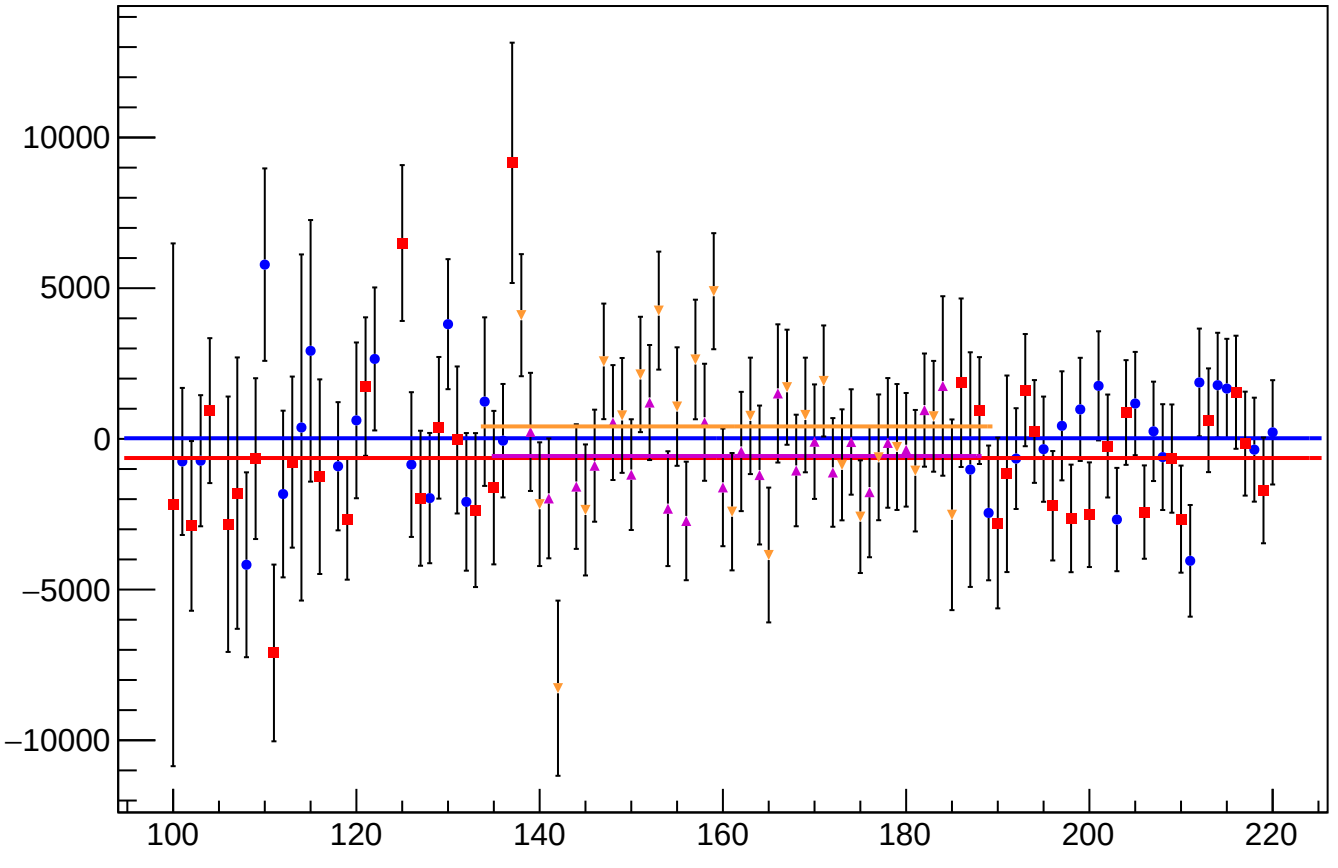
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 1021.820+/-0.200 χ^2/NDF: 58125140.6/69

In: 3584.923+/-0.426 χ^2/NDF:7539389.0/55

Out: 707.590+/-0.161 χ^2/NDF:61465478.2/61

All: 1068.134+/-0.151 χ^2/NDF: 108864185.9/



Right In: 21.294+/-358.068 χ^2/NDF: 26.7/32

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -635.157+/-361.594 χ^2/NDF: 36.2/35

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

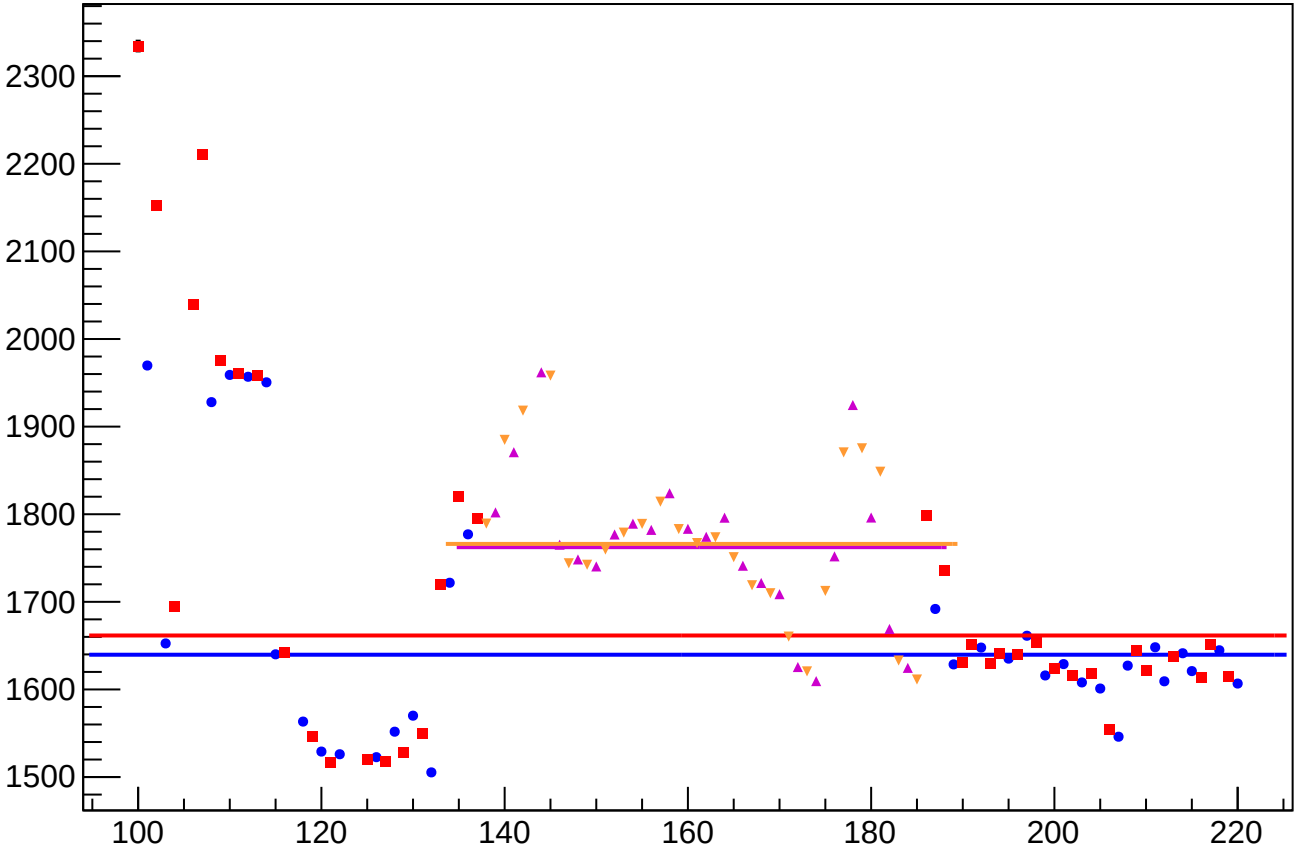
Right: -303.715+/-254.430 χ^2/NDF: 64.5/68

In: -232.600+/-270.277 χ^2/NDF:35.6/55

Out: -177.115+/-271.348 χ^2/NDF:79.9/59

All: -204.967+/-191.492 χ^2/NDF: 115.4/115

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1639.633+/-0.253 χ^2/NDF: 157865.6/32

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1661.586+/-0.255 χ^2/NDF: 270213.6/35

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

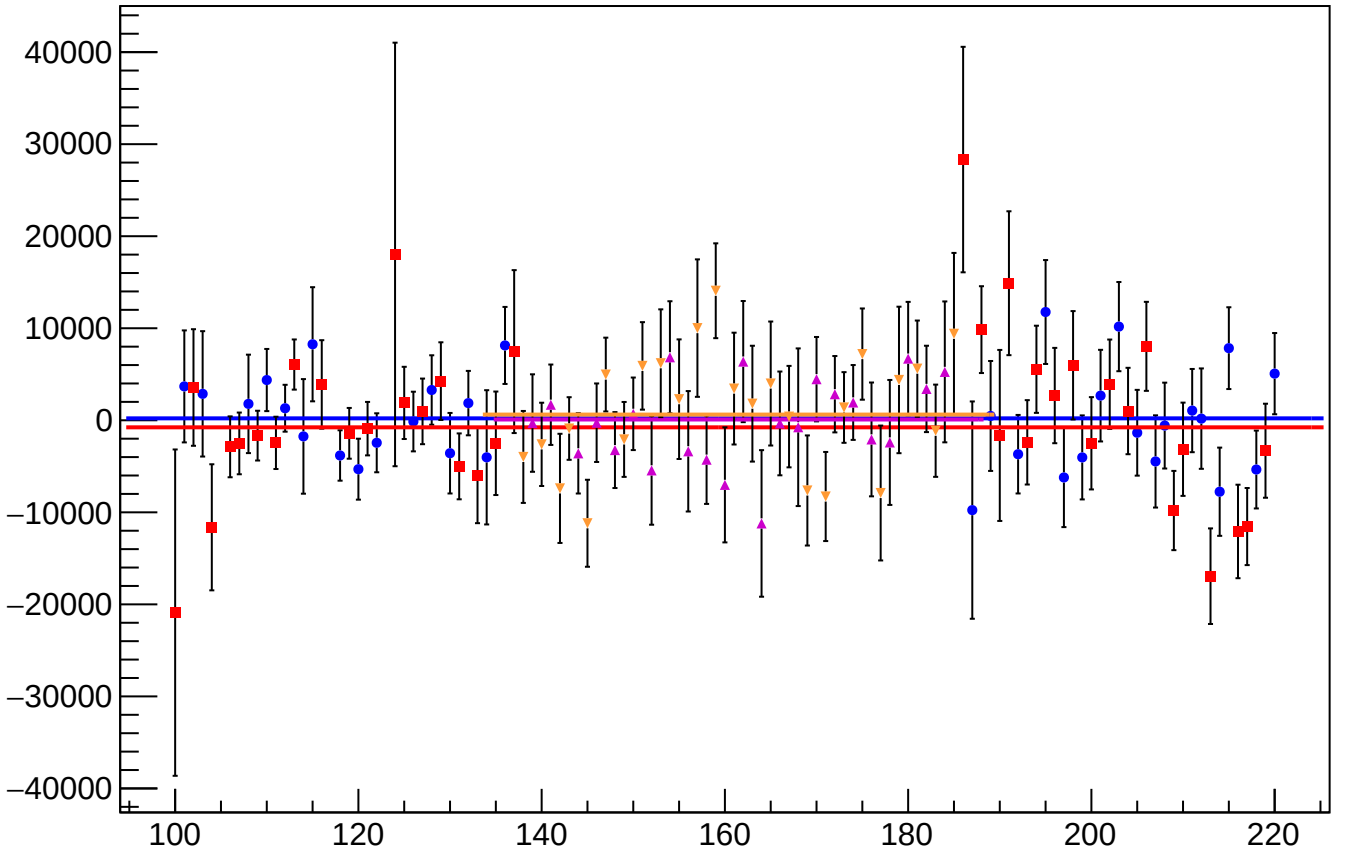
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1650.510+/-0.180 χ^2/NDF: 431804.1/68

In: 1692.455+/-0.191 χ^2/NDF:339118.7/55

Out: 1707.214+/-0.192 χ^2/NDF:426527.9/59

All: 1699.808+/-0.135 χ^2/NDF: 768617.9/115



Right In: 210.430+/-750.113 χ^2/NDF: 37.5/32

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -765.444+/-715.732 χ^2/NDF: 67.9/36

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

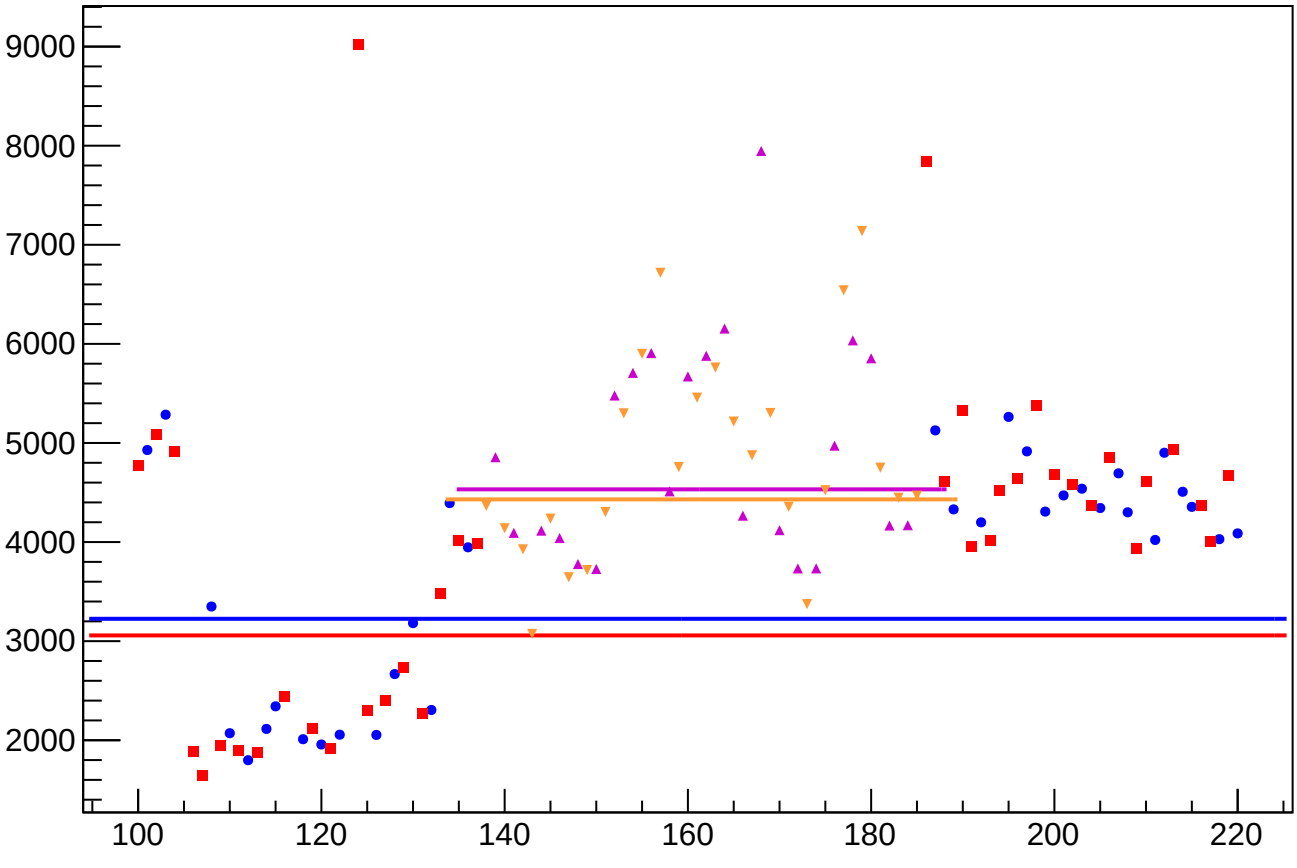
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: -300.384+/-517.827 χ^2/NDF: 106.2/69

In: 169.906+/-616.555 χ^2/NDF:50.4/55

Out: -317.154+/-588.621 χ^2/NDF:102.2/61

All: -84.907+/-425.751 χ^2/NDF: 152.9/117



Right In: 3225.650+/-0.530 χ^2/NDF: 4945280.7/32

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 3057.922+/-0.506 χ^2/NDF: 6325657.7/36

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

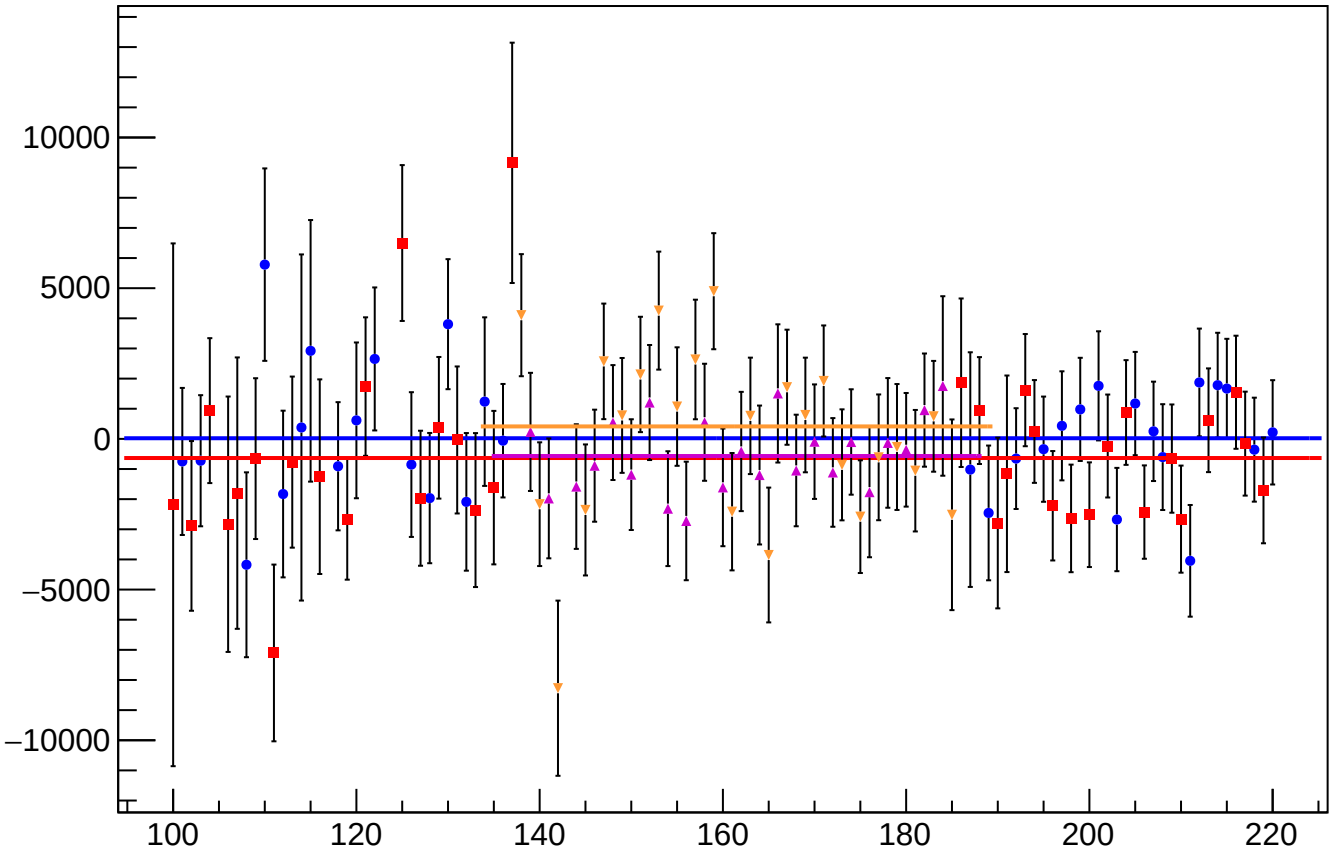
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 3137.854+/-0.366 χ^2/NDF: 11323281.1/69

In: 3649.412+/-0.436 χ^2/NDF:8289362.0/55

Out: 3502.255+/-0.416 χ^2/NDF:10320528.6/61

All: 3572.425+/-0.301 χ^2/NDF: 18669496.6/1



Right In: 21.291+/-358.068 χ^2/NDF: 26.7/32

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -635.154+/-361.594 χ^2/NDF: 36.2/35

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

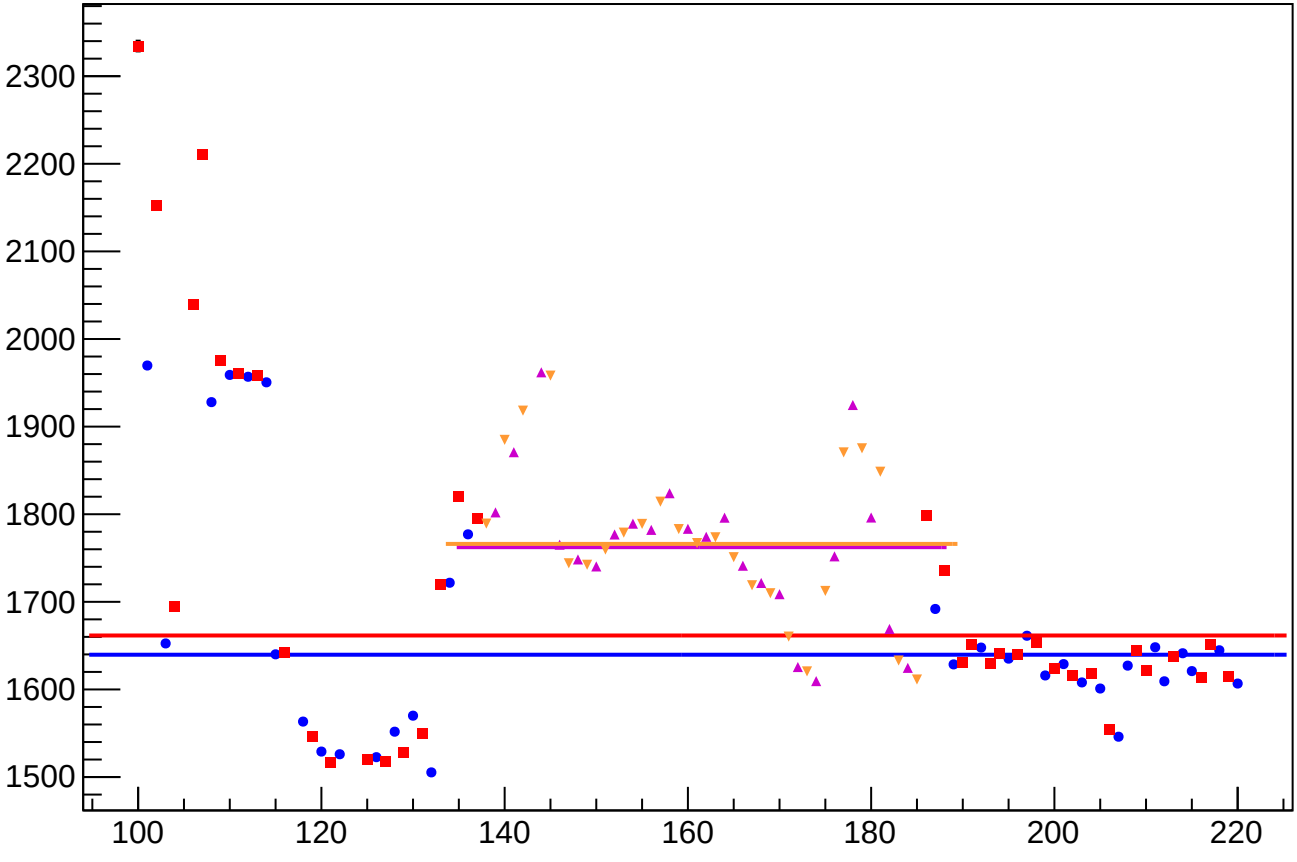
Right: -303.714+/-254.430 χ^2/NDF: 64.5/68

In: -232.601+/-270.277 χ^2/NDF:35.6/55

Out: -177.113+/-271.348 χ^2/NDF:79.9/59

All: -204.967+/-191.492 χ^2/NDF: 115.4/115

eigen_dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1639.633+/-0.253 χ^2/NDF: 157865.6/32

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1661.586+/-0.255 χ^2/NDF: 270212.3/35

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

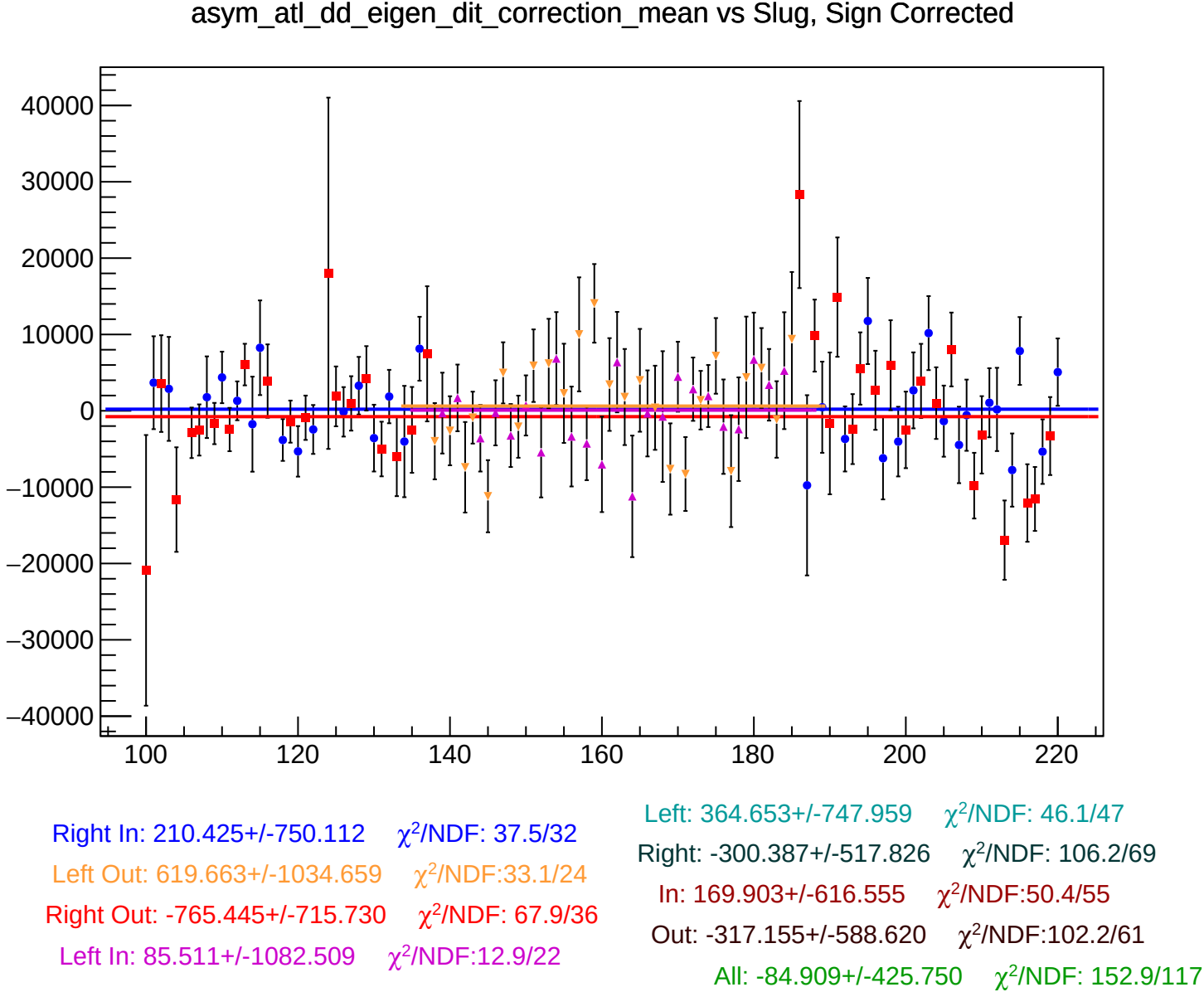
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

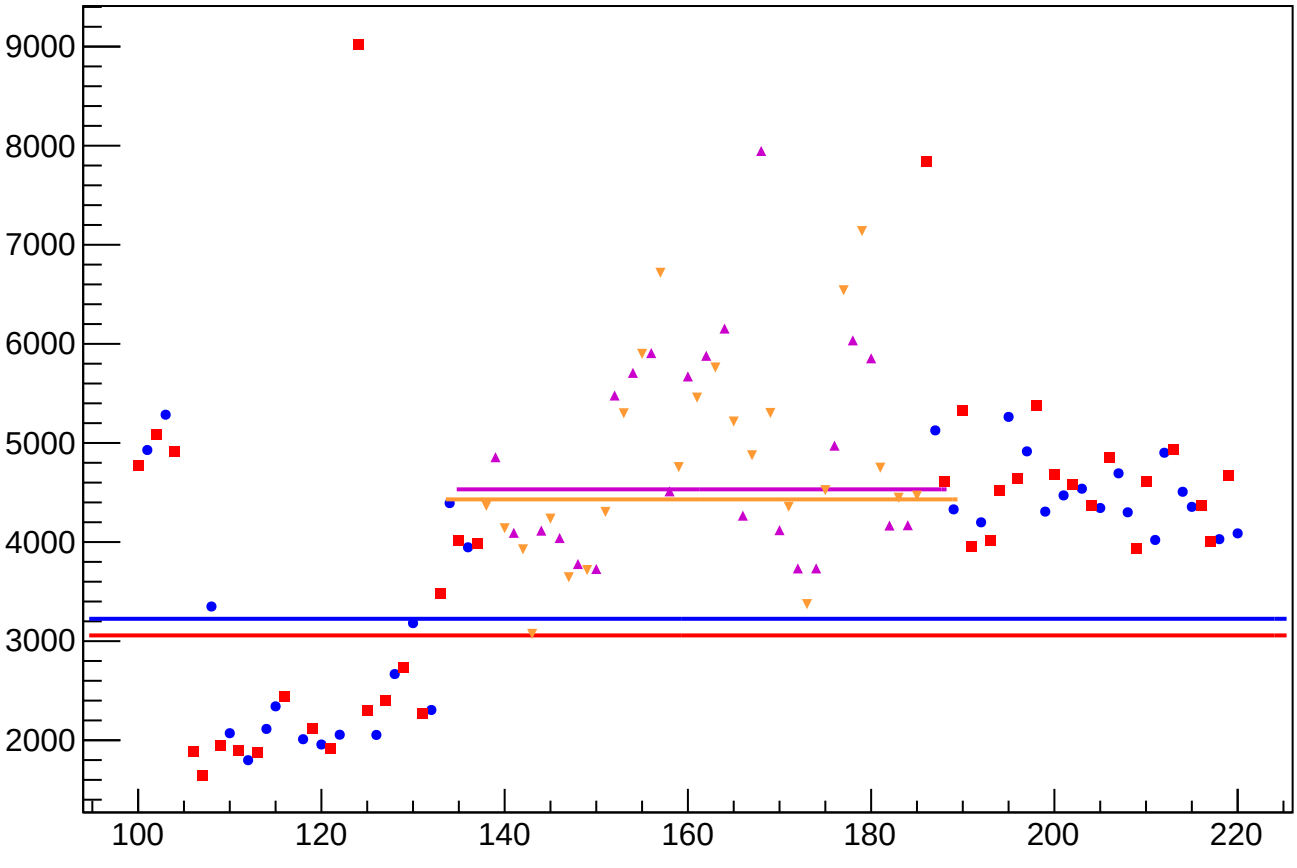
Right: 1650.510+/-0.180 χ^2/NDF: 431802.7/68

In: 1692.455+/-0.191 χ^2/NDF:339122.7/55

Out: 1707.214+/-0.192 χ^2/NDF:426530.7/59

All: 1699.809+/-0.135 χ^2/NDF: 768624.8/115


asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 210.425+/-750.112 χ²/NDF: 37.5/32
Left Out: 619.663+/-1034.659 χ²/NDF:33.1/24
Right Out: -765.445+/-715.730 χ²/NDF: 67.9/36
Left In: 85.511+/-1082.509 χ²/NDF:12.9/22
Left: 364.653+/-747.959 χ²/NDF: 46.1/47
Right: -300.387+/-517.826 χ²/NDF: 106.2/69
In: 169.903+/-616.555 χ²/NDF:50.4/55
Out: -317.155+/-588.620 χ²/NDF:102.2/61
All: -84.909+/-425.750 χ²/NDF: 152.9/117



Right In: 3225.642+/-0.530 χ^2/NDF: 4945366.7/32

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 3057.914+/-0.506 χ^2/NDF: 6325728.9/36

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

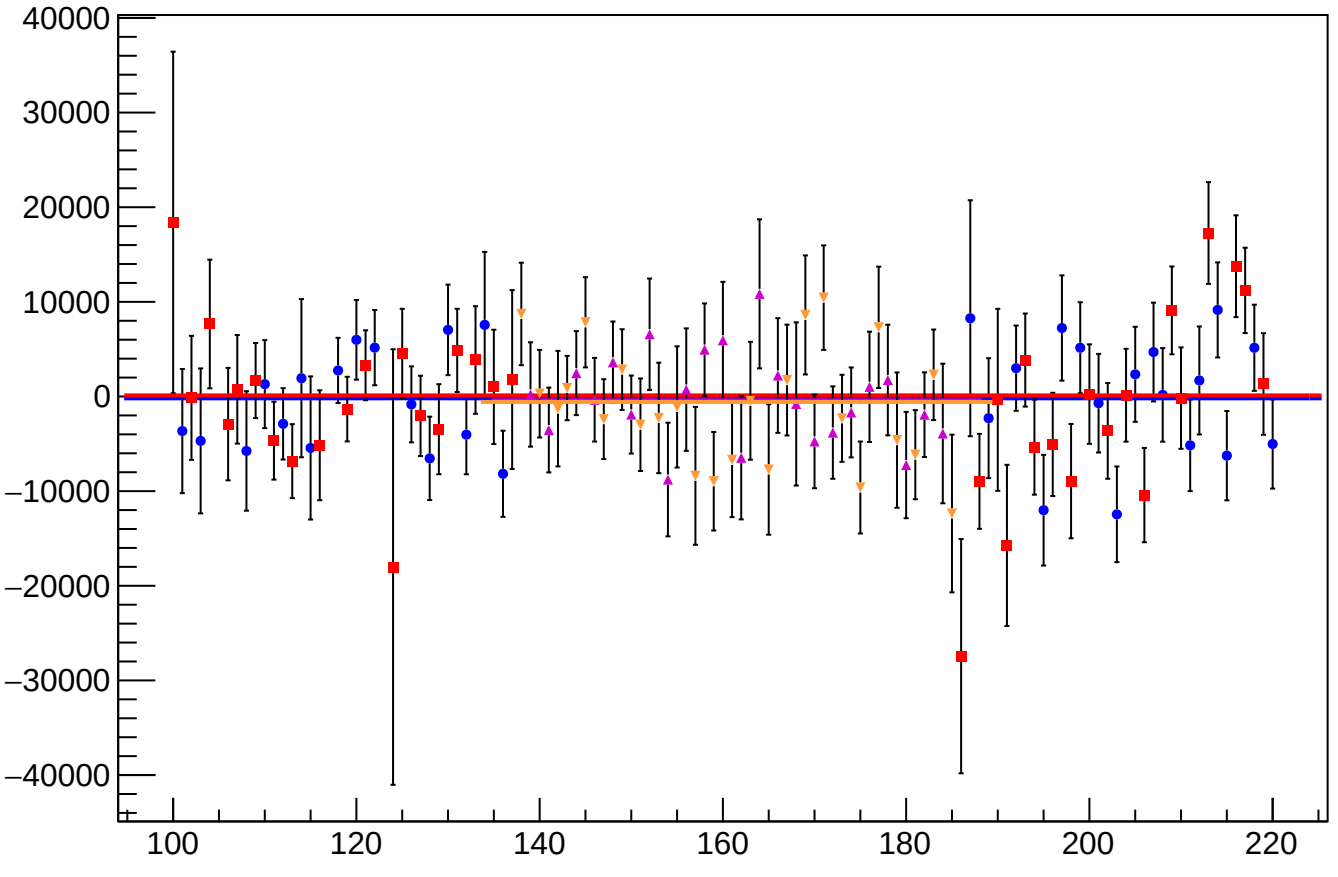
Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

Right: 3137.846+/-0.366 χ^2/NDF: 11323438.6/69

In: 3649.407+/-0.436 χ^2/NDF:8289492.9/55

Out: 3502.249+/-0.416 χ^2/NDF:10320652.8/61

All: 3572.419+/-0.301 χ^2/NDF: 18669752.2/1



Right In: -193.478+/-867.931 χ^2/NDF: 40.5/32

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 117.803+/-858.904 χ^2/NDF: 61.1/36

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

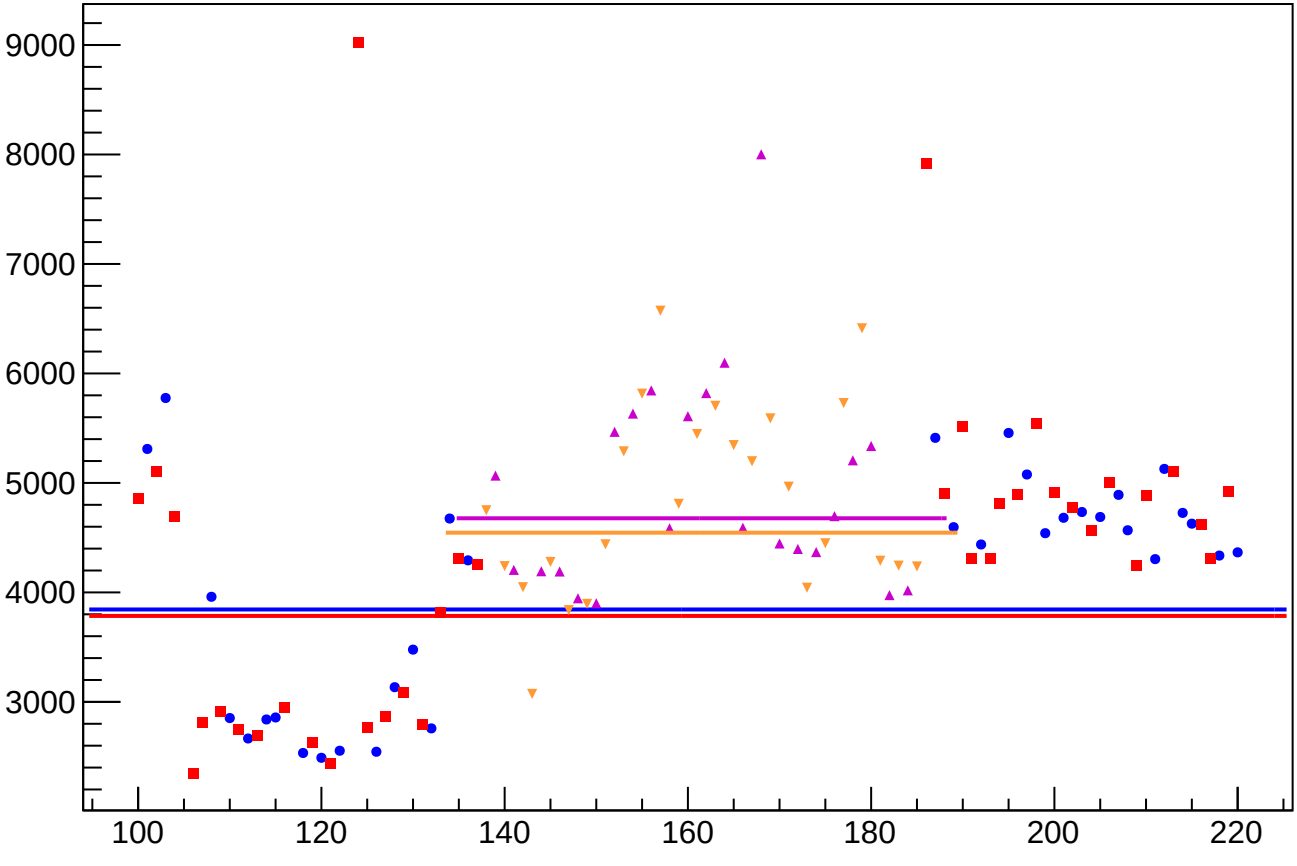
Right: -36.210+/-610.503 χ^2/NDF: 101.6/69

In: -271.275+/-683.609 χ^2/NDF:54.5/55

Out: -157.655+/-666.035 χ^2/NDF:90.1/61

All: -212.986+/-477.050 χ^2/NDF: 144.6/117

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3844.119+/-0.614 χ^2/NDF: 2700531.4/32

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3785.280+/-0.603 χ^2/NDF: 3238125.1/36

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

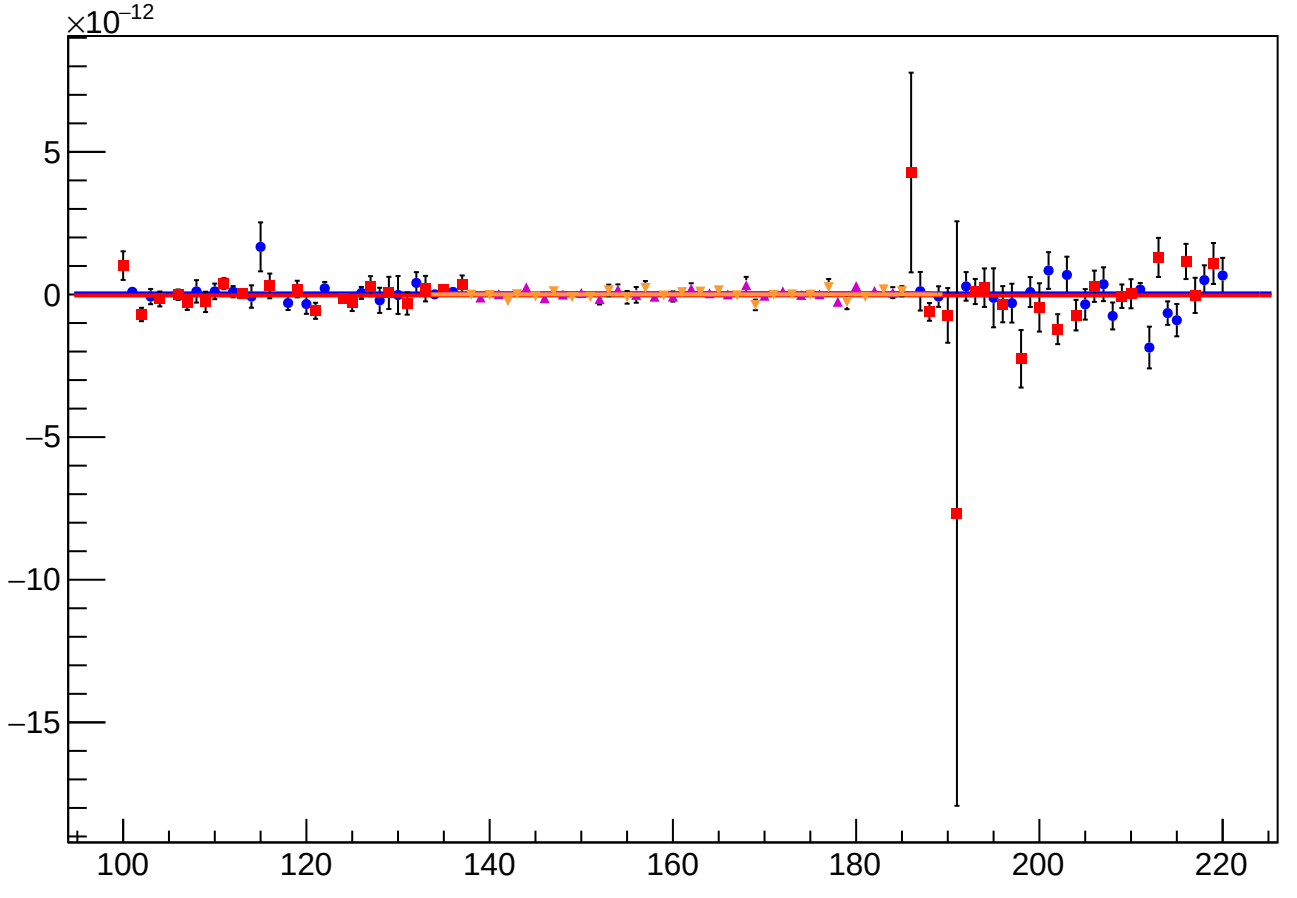
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3814.169+/-0.430 χ^2/NDF: 5943335.1/69

In: 4160.330+/-0.483 χ^2/NDF:4359690.2/55

Out: 4085.604+/-0.469 χ^2/NDF:5125070.9/61

All: 4121.824+/-0.337 χ^2/NDF: 9497075.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 58.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

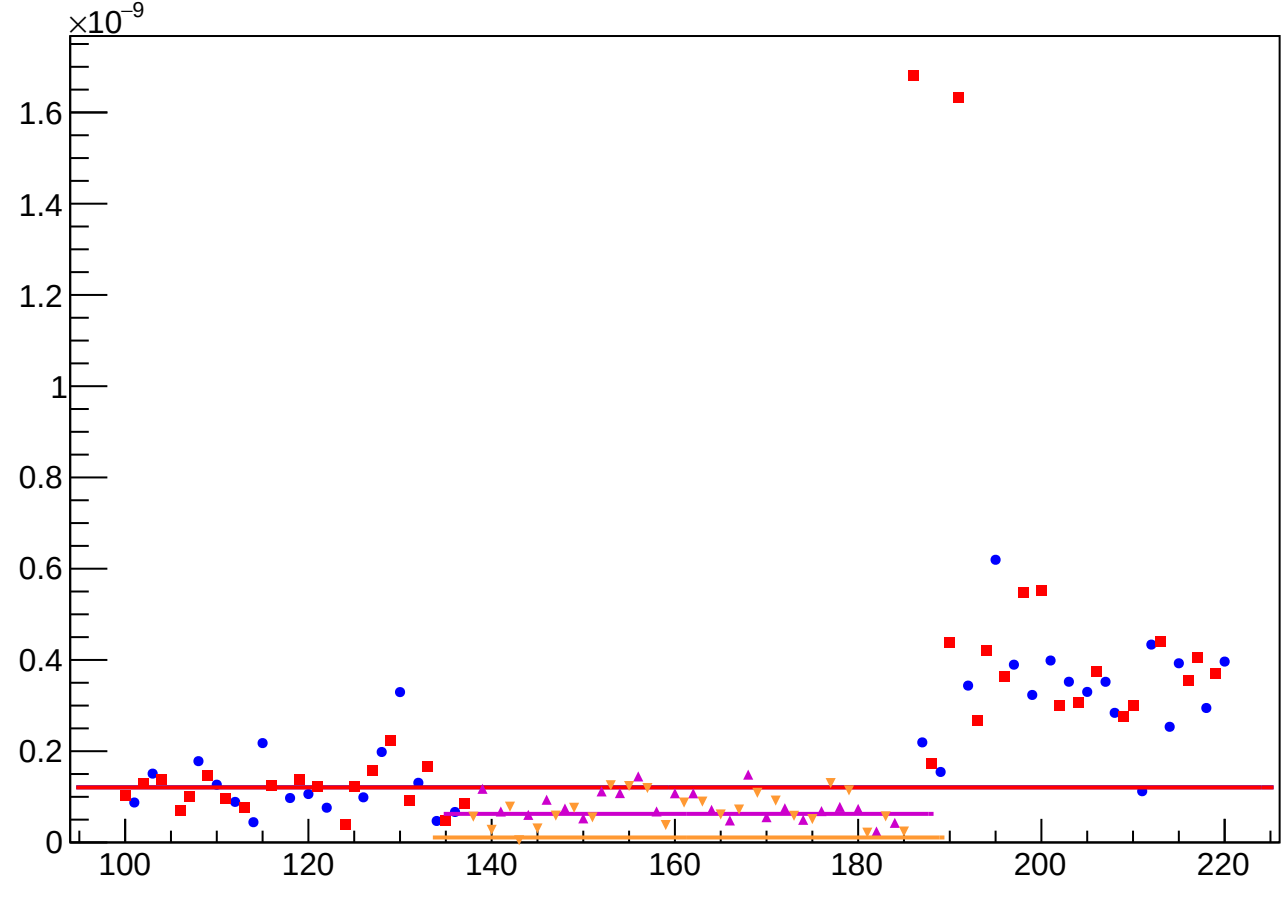
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 90.5/69

In: 0.000+/-0.000 χ^2/NDF:51.3/55

Out: 0.000+/-0.000 χ^2/NDF:77.5/61

All: 0.000+/-0.000 χ^2/NDF: 131.5/117



Right In: 0.000+/-0.000 χ^2/NDF: 6246047.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7023298.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

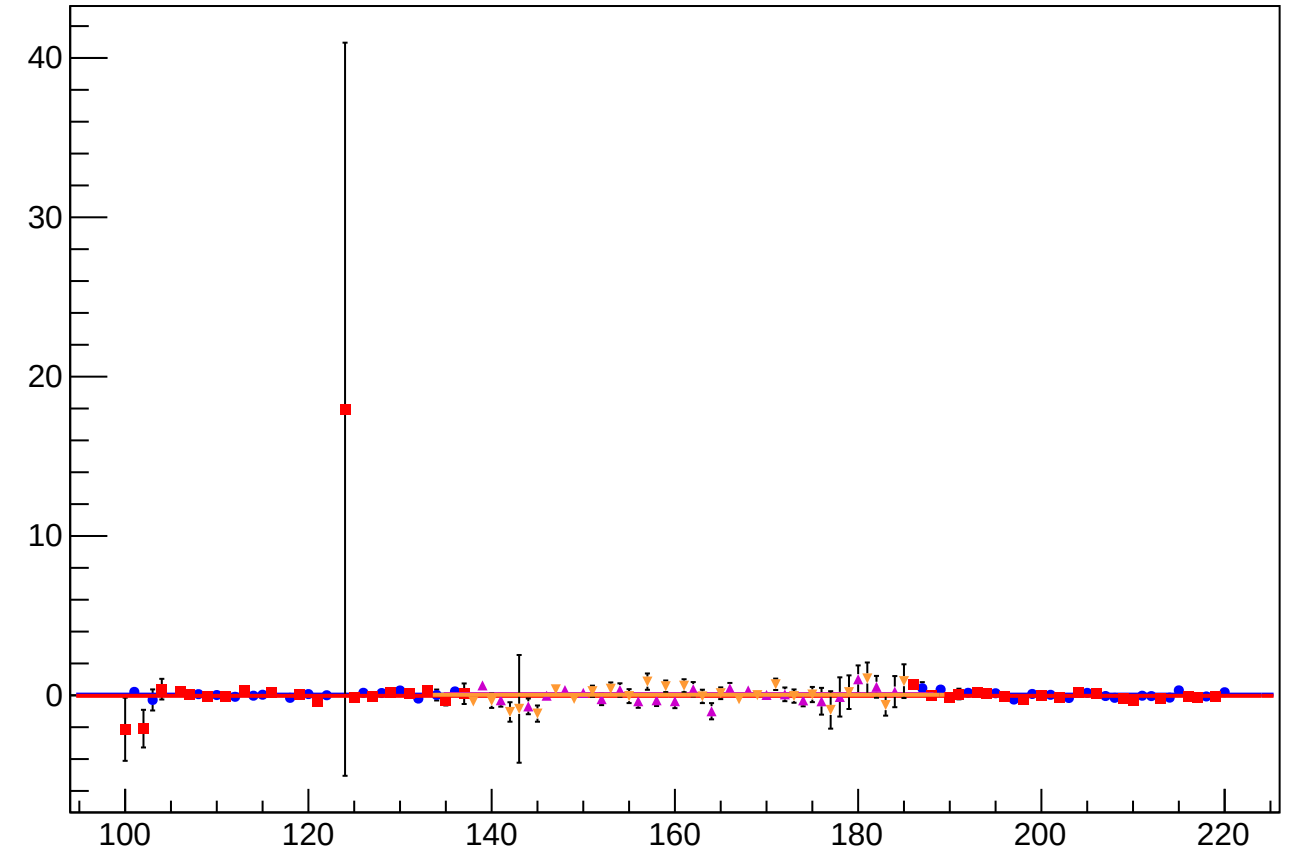
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13269385.6/69

In: 0.000+/-0.000 χ^2/NDF:10414074.5/55

Out: 0.000+/-0.000 χ^2/NDF:25516676.0/61

All: 0.000+/-0.000 χ^2/NDF: 48257635.4/117



Right In: 0.044+/-0.029 χ^2/NDF: 30.4/32

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.032+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

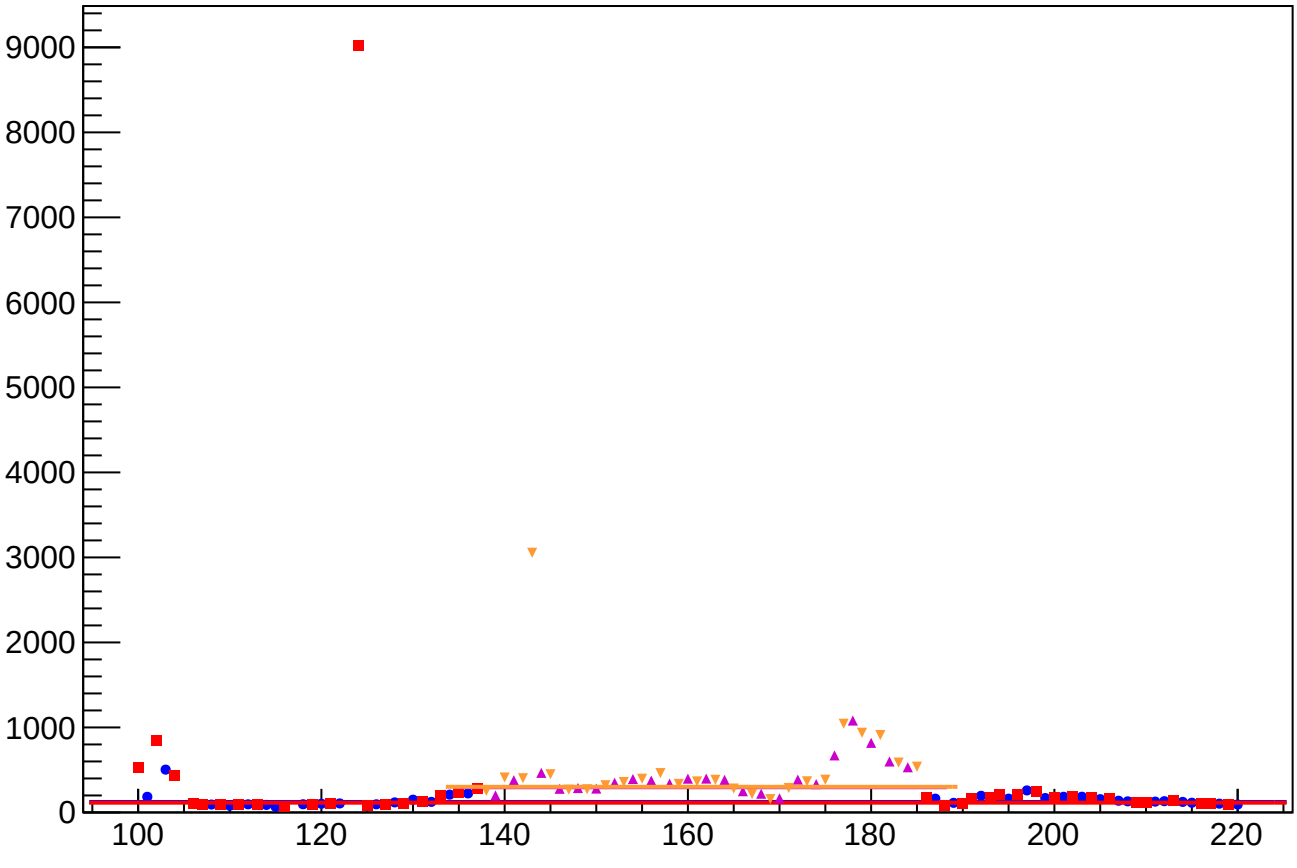
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.004+/-0.020 χ^2/NDF: 78.6/69

In: 0.048+/-0.027 χ^2/NDF:54.7/55

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.011+/-0.019 χ^2/NDF: 133.4/117



Right In: 123.240+/-0.020 χ^2/NDF: 3745558.0/32

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

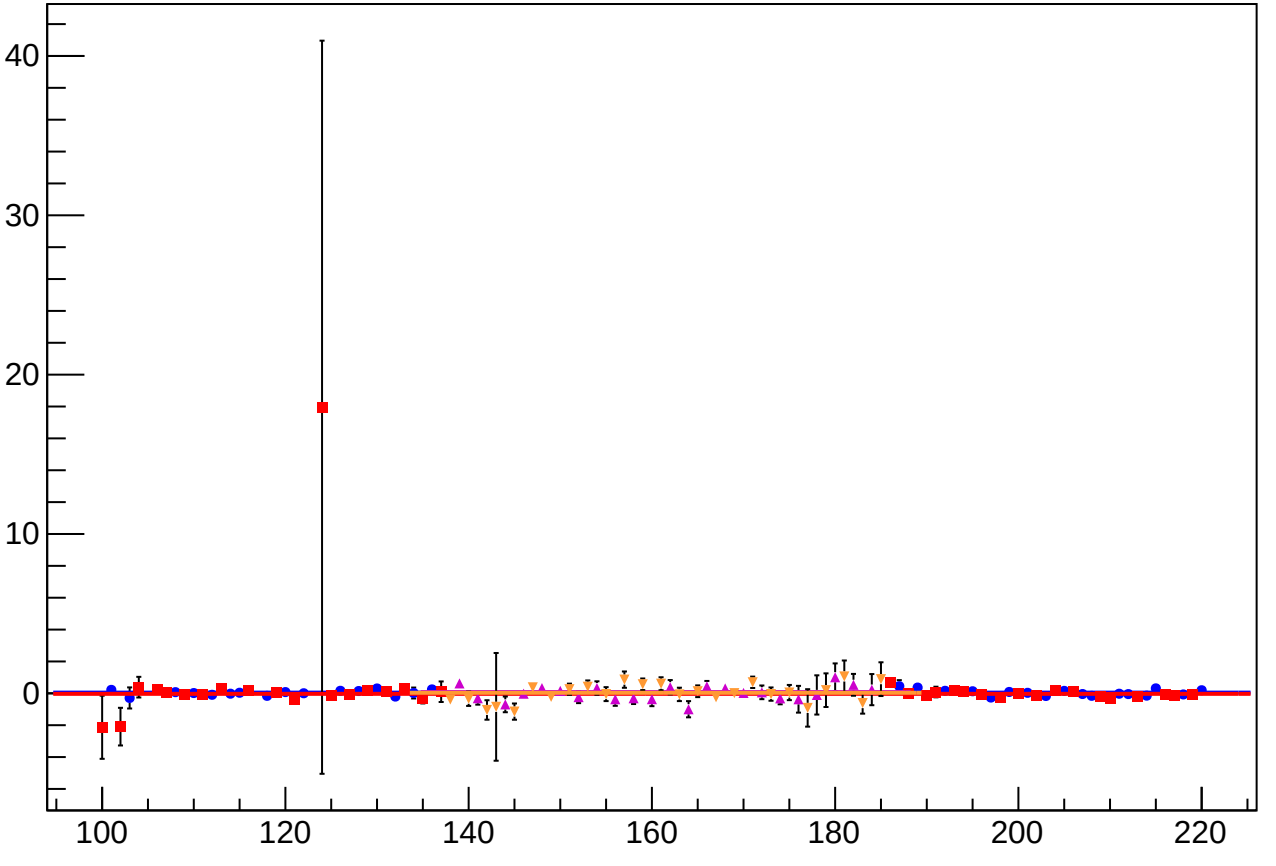
Right: 118.968+/-0.014 χ^2/NDF: 9445843.2/69

In: 145.244+/-0.019 χ^2/NDF:17843112.5/55

Out: 136.288+/-0.018 χ^2/NDF:22745724.1/61

All: 140.592+/-0.013 χ^2/NDF: 40703458.7/11

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.029 χ^2/NDF: 30.4/32

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.032+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

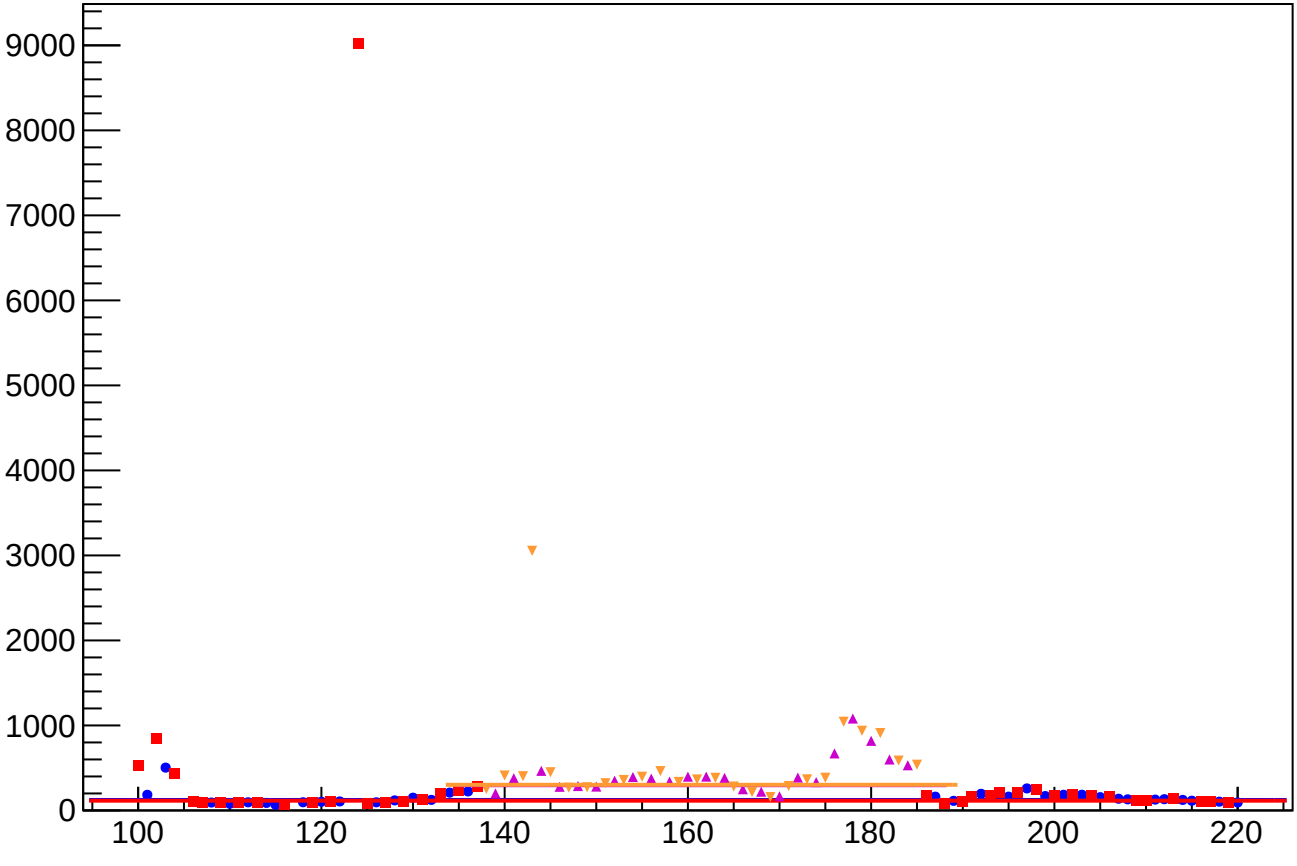
Right: 0.004+/-0.020 χ^2/NDF: 78.6/69

In: 0.048+/-0.027 χ^2/NDF:54.7/55

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.011+/-0.019 χ^2/NDF: 133.4/117

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 123.240+/-0.020 χ^2/NDF: 3745558.0/32

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

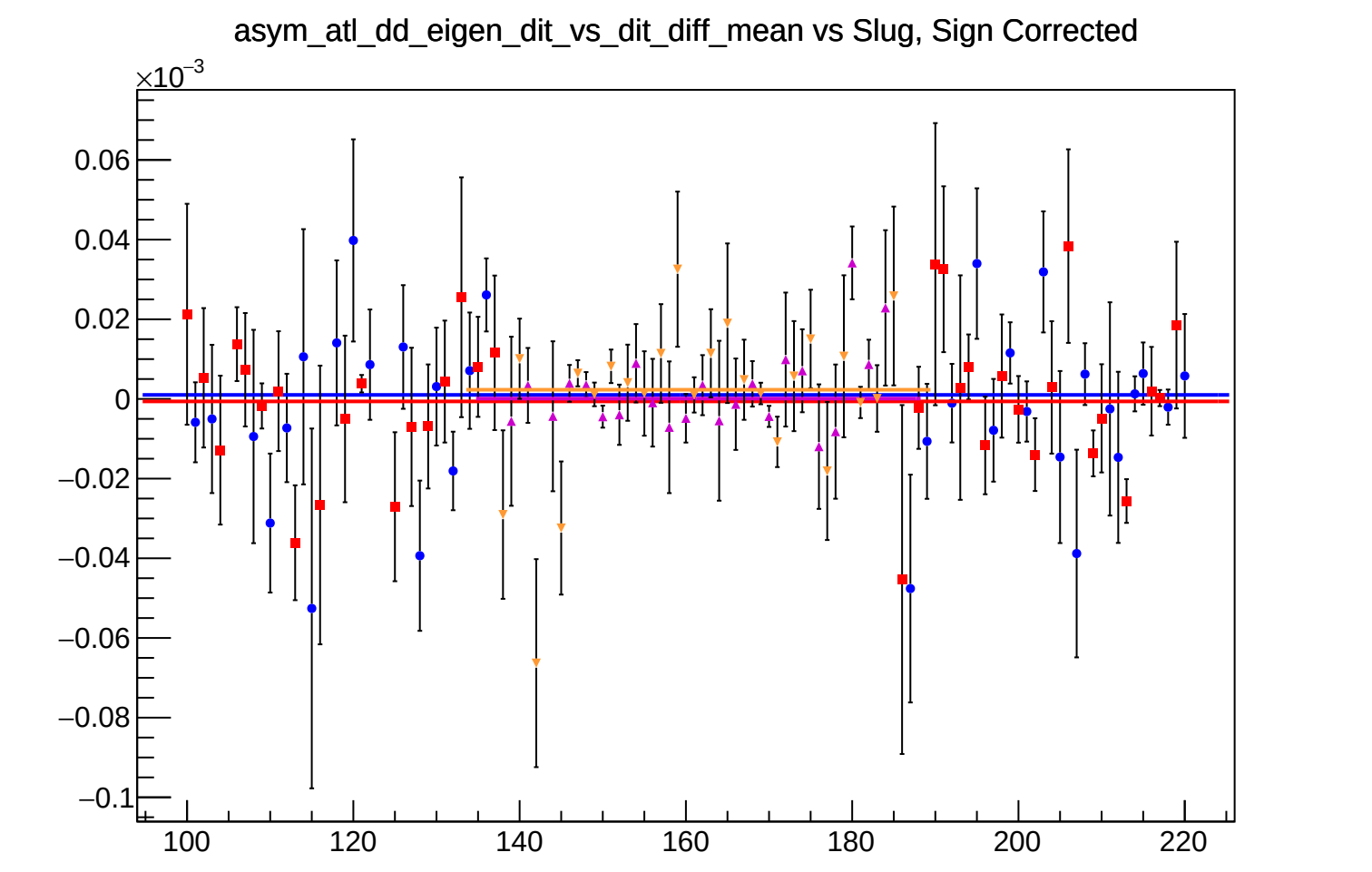
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 118.968+/-0.014 χ^2/NDF: 9445843.2/69

In: 145.244+/-0.019 χ^2/NDF:17843112.5/55

Out: 136.288+/-0.018 χ^2/NDF:22745724.1/61

All: 140.592+/-0.013 χ^2/NDF: 40703458.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 44.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 57.2/35

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

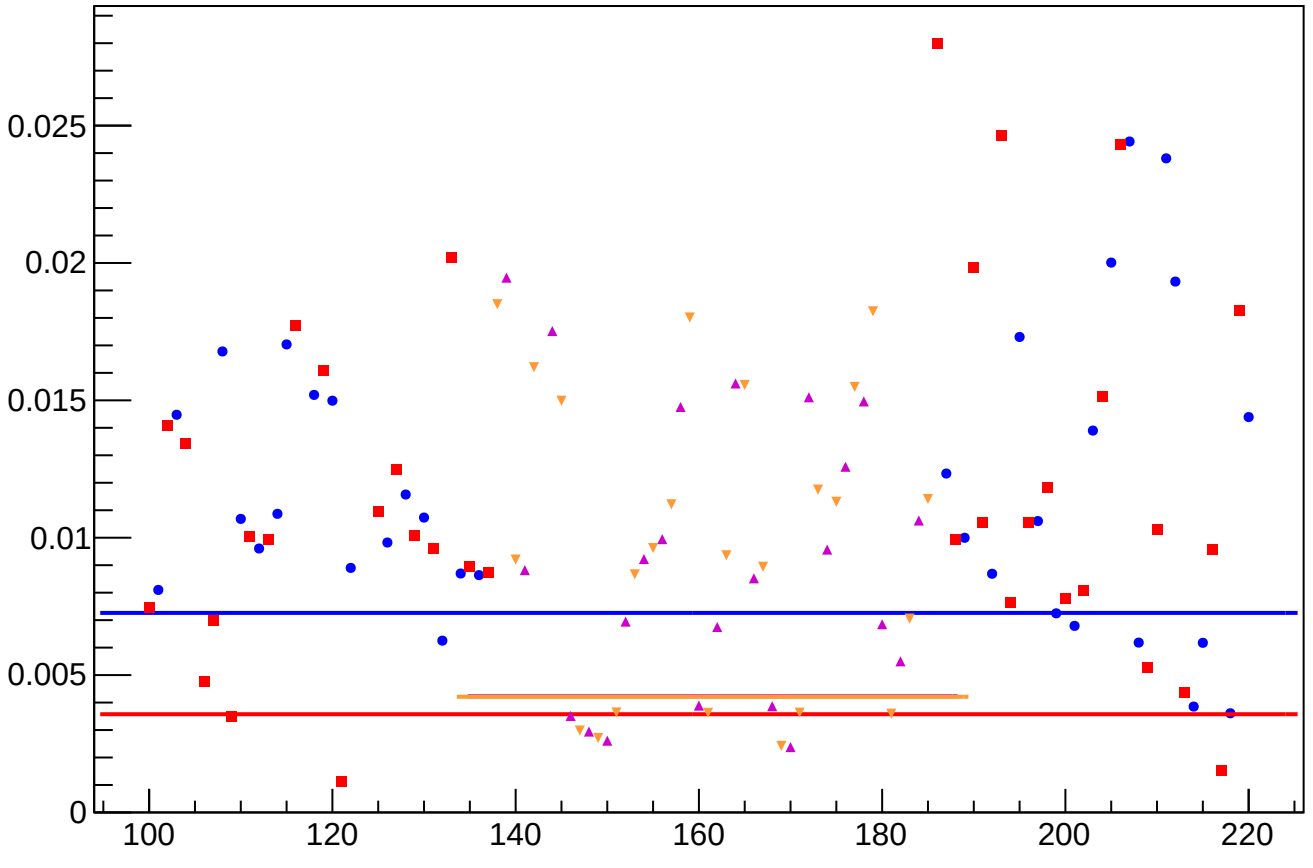
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: -0.000+/-0.000 χ^2/NDF: 101.7/68

In: 0.000+/-0.000 χ^2/NDF:73.2/55

Out: 0.000+/-0.000 χ^2/NDF:91.2/59

All: 0.000+/-0.000 χ^2/NDF: 164.5/115



Right In: 0.007+/-0.000 χ^2/NDF: 8971493.6/32

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 20908209.9/35

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

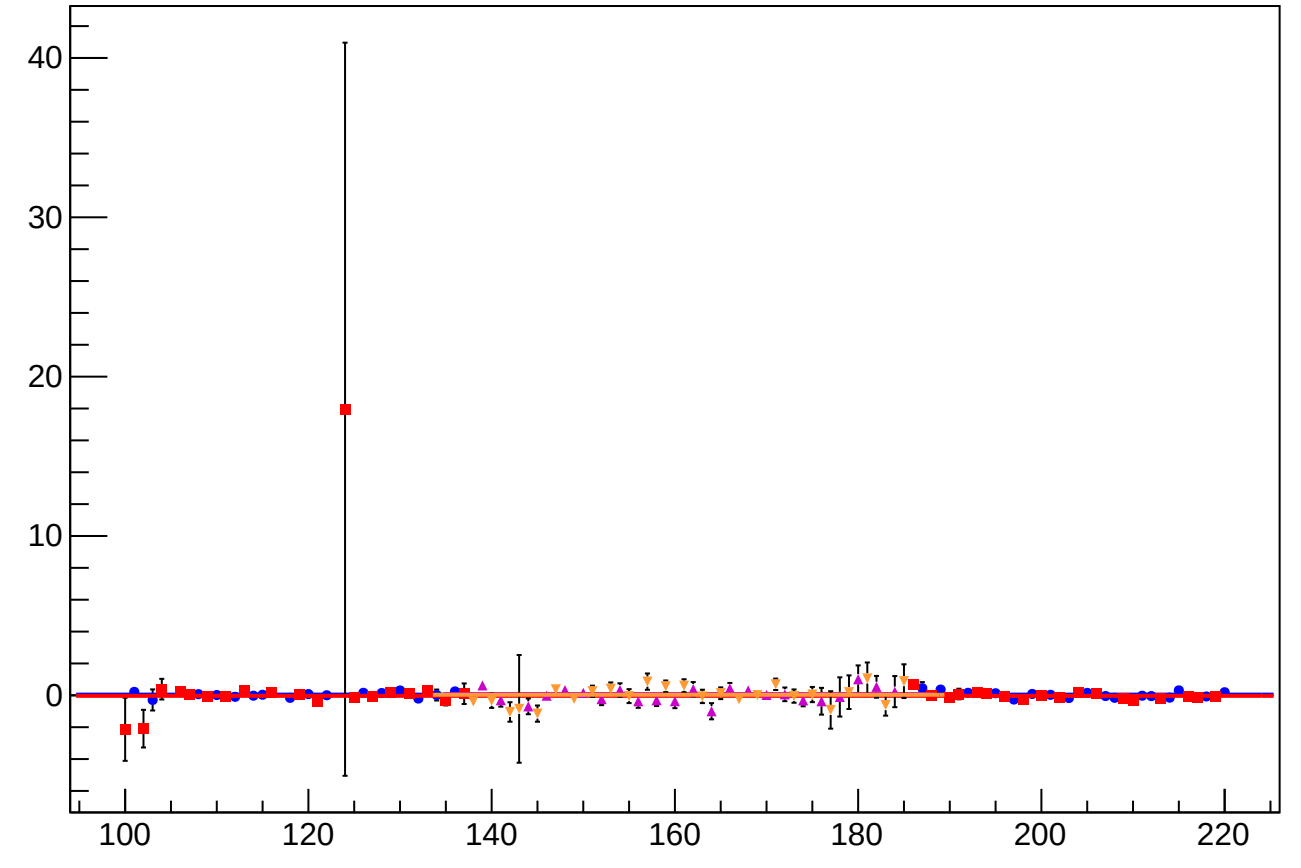
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.005+/-0.000 χ^2/NDF: 35342643.3/68

In: 0.005+/-0.000 χ^2/NDF:23581215.3/55

Out: 0.004+/-0.000 χ^2/NDF:33254276.5/59

All: 0.004+/-0.000 χ^2/NDF: 58653563.9/115



Right In: 0.044+/-0.029 χ^2/NDF: 30.4/32

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.032+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

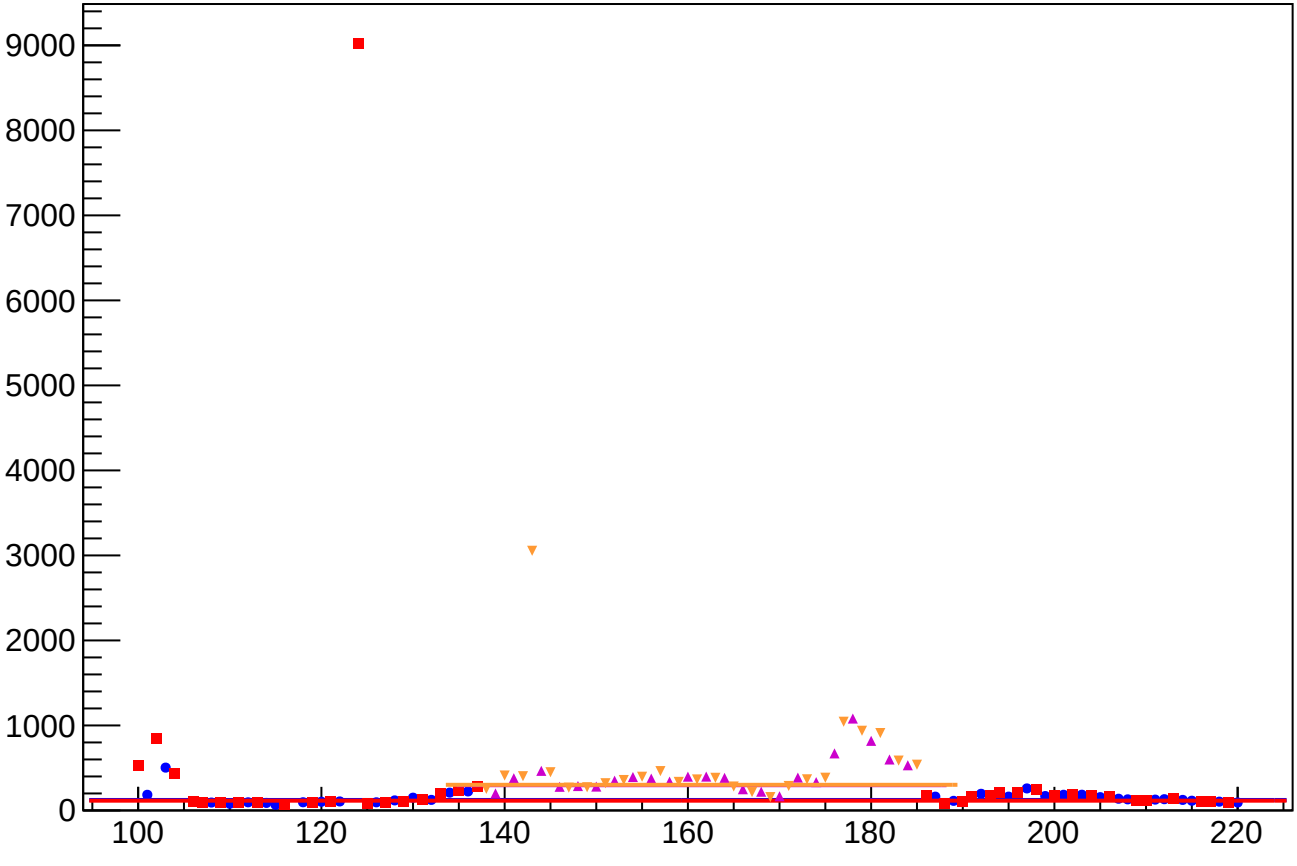
Right: 0.004+/-0.020 χ^2/NDF: 78.6/69

In: 0.048+/-0.027 χ^2/NDF:54.7/55

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.011+/-0.019 χ^2/NDF: 133.4/117

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 123.241+/-0.020 χ^2/NDF: 3745495.4/32

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

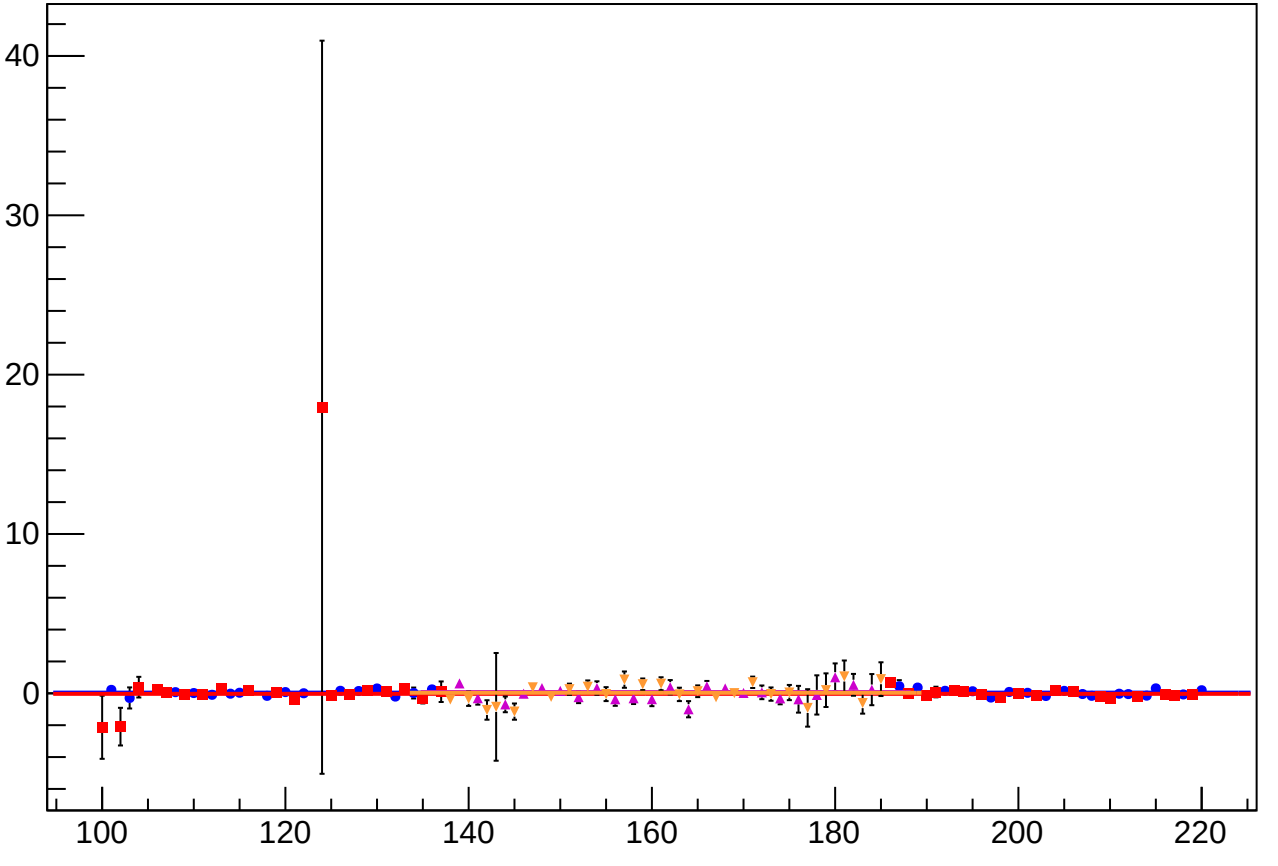
Right: 118.970+/-0.014 χ^2/NDF: 9445666.9/69

In: 145.246+/-0.019 χ^2/NDF:17843008.5/55

Out: 136.289+/-0.018 χ^2/NDF:22745568.0/61

All: 140.594+/-0.013 χ^2/NDF: 40703199.9/11

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.029 χ^2/NDF: 30.4/32

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.032+/-0.028 χ^2/NDF: 44.6/36

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

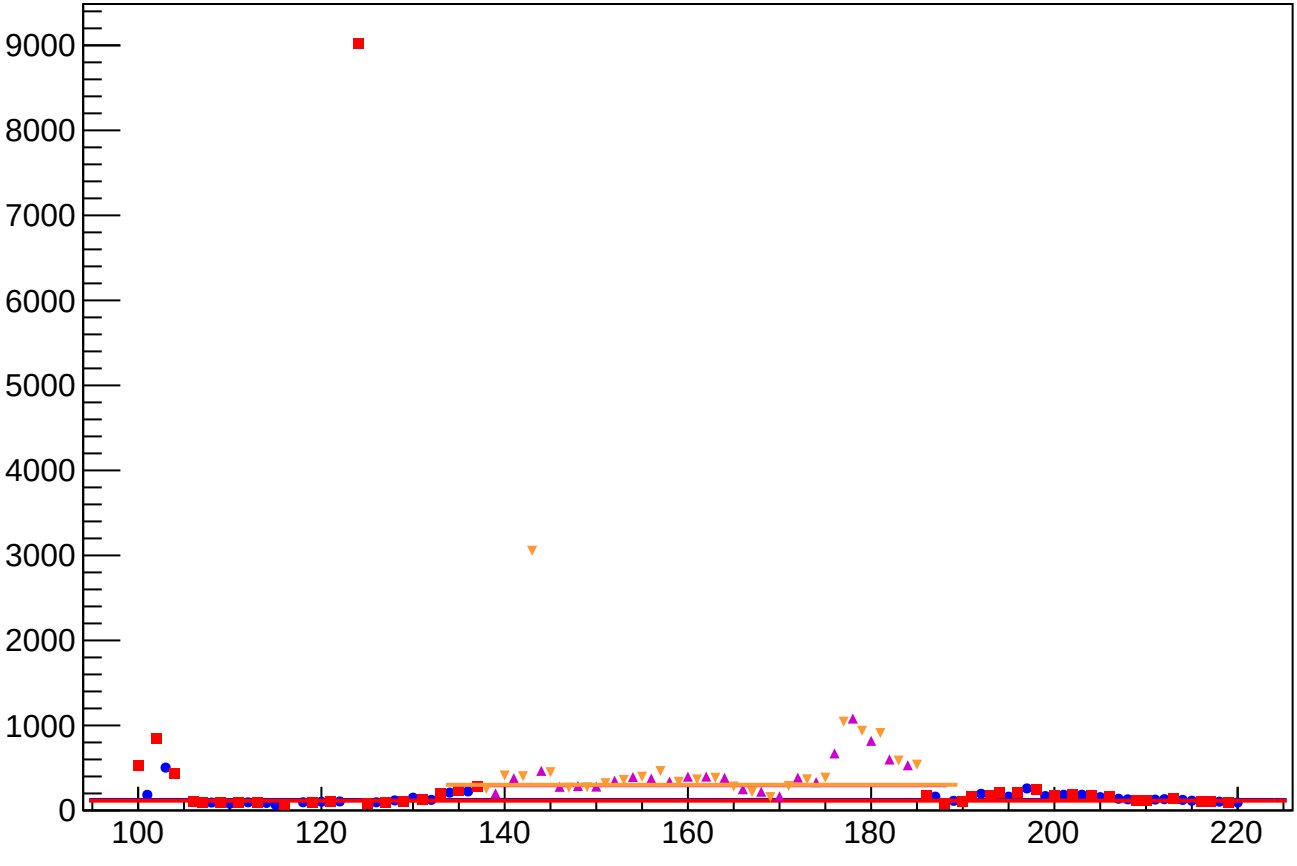
Right: 0.004+/-0.020 χ^2/NDF: 78.6/69

In: 0.048+/-0.027 χ^2/NDF:54.7/55

Out: -0.024+/-0.026 χ^2/NDF:74.9/61

All: 0.011+/-0.019 χ^2/NDF: 133.4/117

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 123.241+/-0.020 χ^2/NDF: 3745495.4/32

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

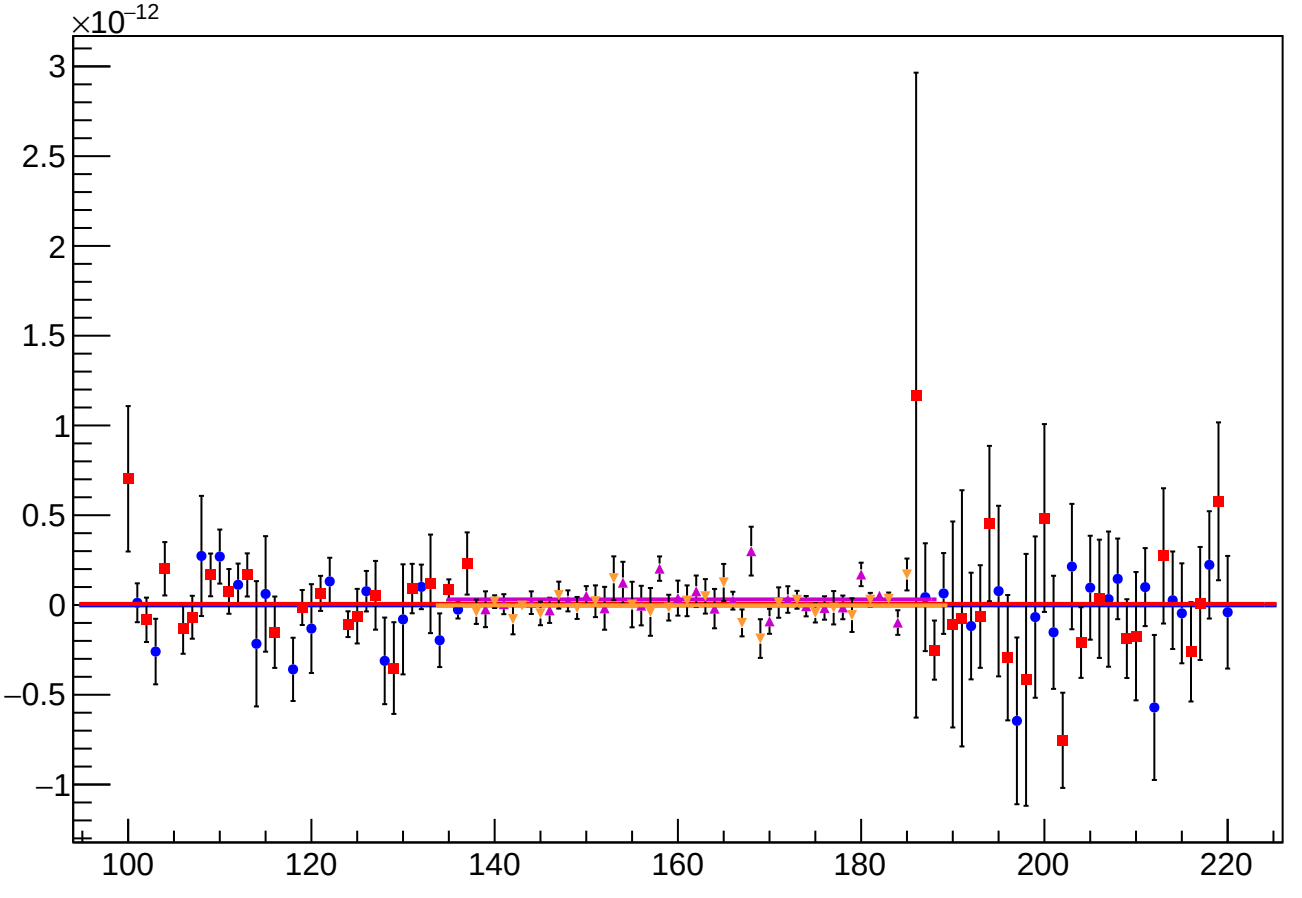
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 118.970+/-0.014 χ^2/NDF: 9445666.9/69

In: 145.246+/-0.019 χ^2/NDF:17843008.5/55

Out: 136.289+/-0.018 χ^2/NDF:22745568.0/61

All: 140.594+/-0.013 χ^2/NDF: 40703199.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/36

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

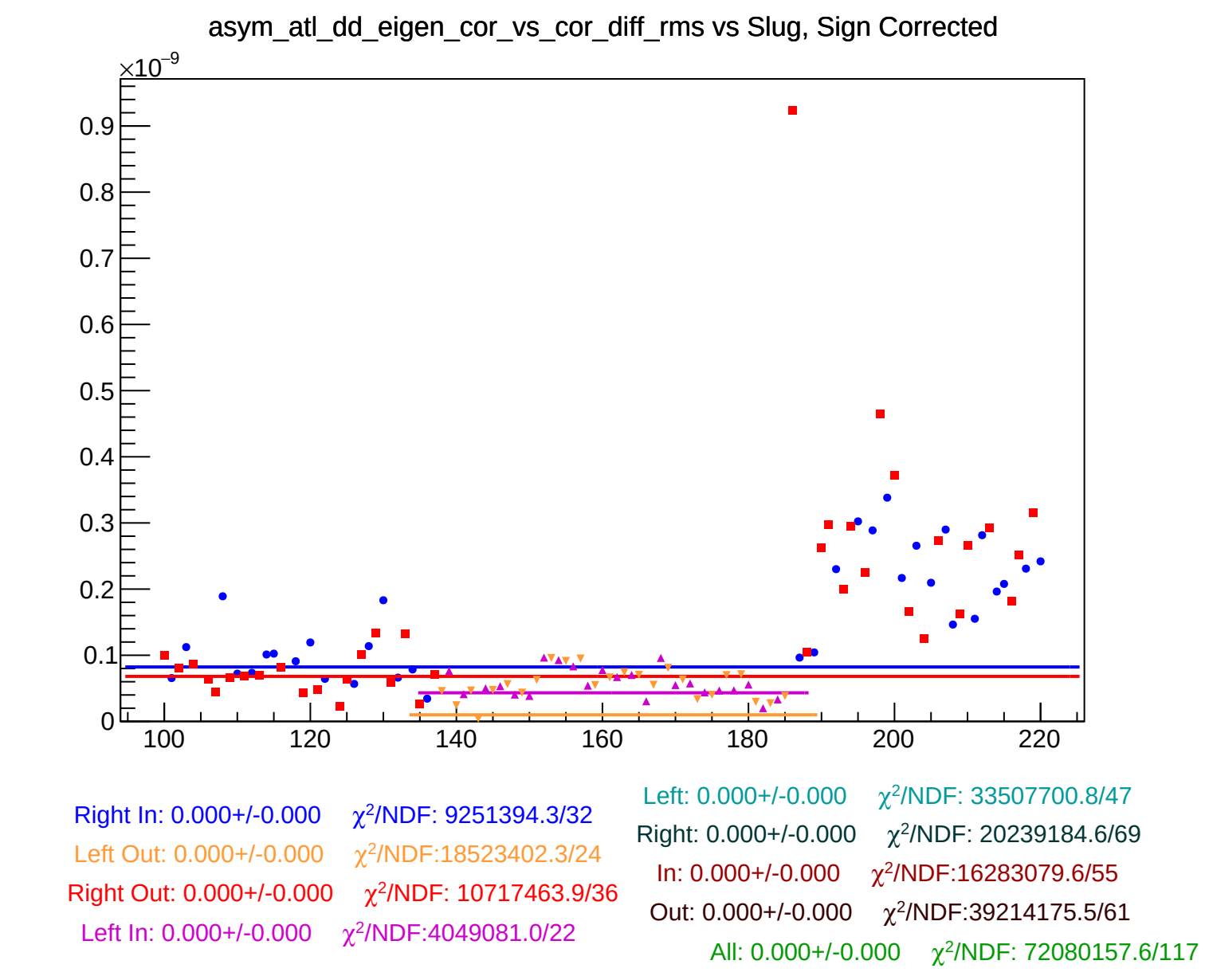
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 63.6/69

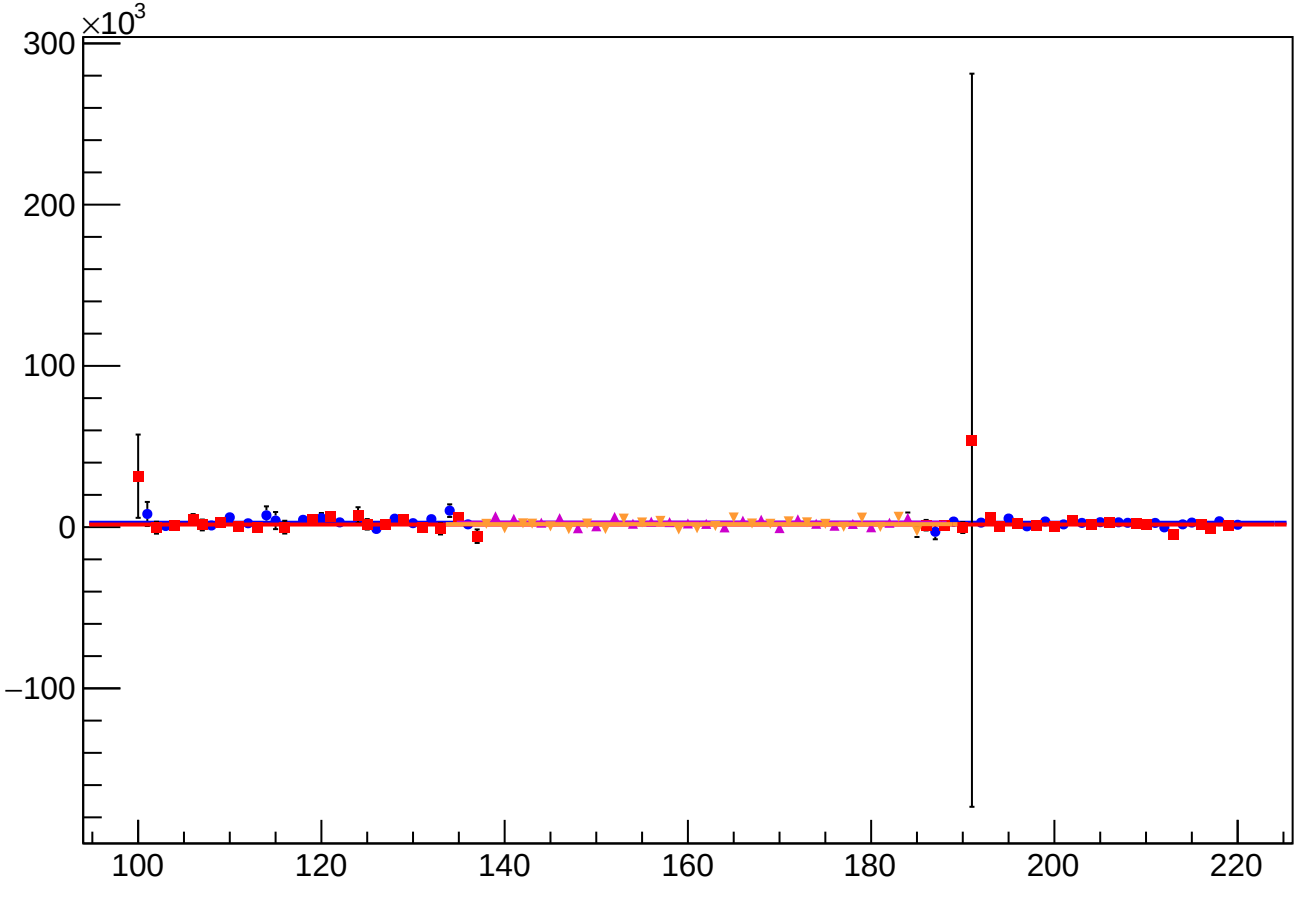
In: 0.000+/-0.000 χ^2/NDF:51.1/55

Out: -0.000+/-0.000 χ^2/NDF:57.7/61

All: 0.000+/-0.000 χ^2/NDF: 113.0/117


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9251394.3/32
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 10717463.9/36
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: 20239184.6/69
In: 0.000+/-0.000 χ²/NDF:16283079.6/55
Out: 0.000+/-0.000 χ²/NDF:39214175.5/61
All: 0.000+/-0.000 χ²/NDF: 72080157.6/117

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2725.325+/-429.267 χ^2/NDF: 19.0/32

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 1605.136+/-427.266 χ^2/NDF: 34.2/36

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

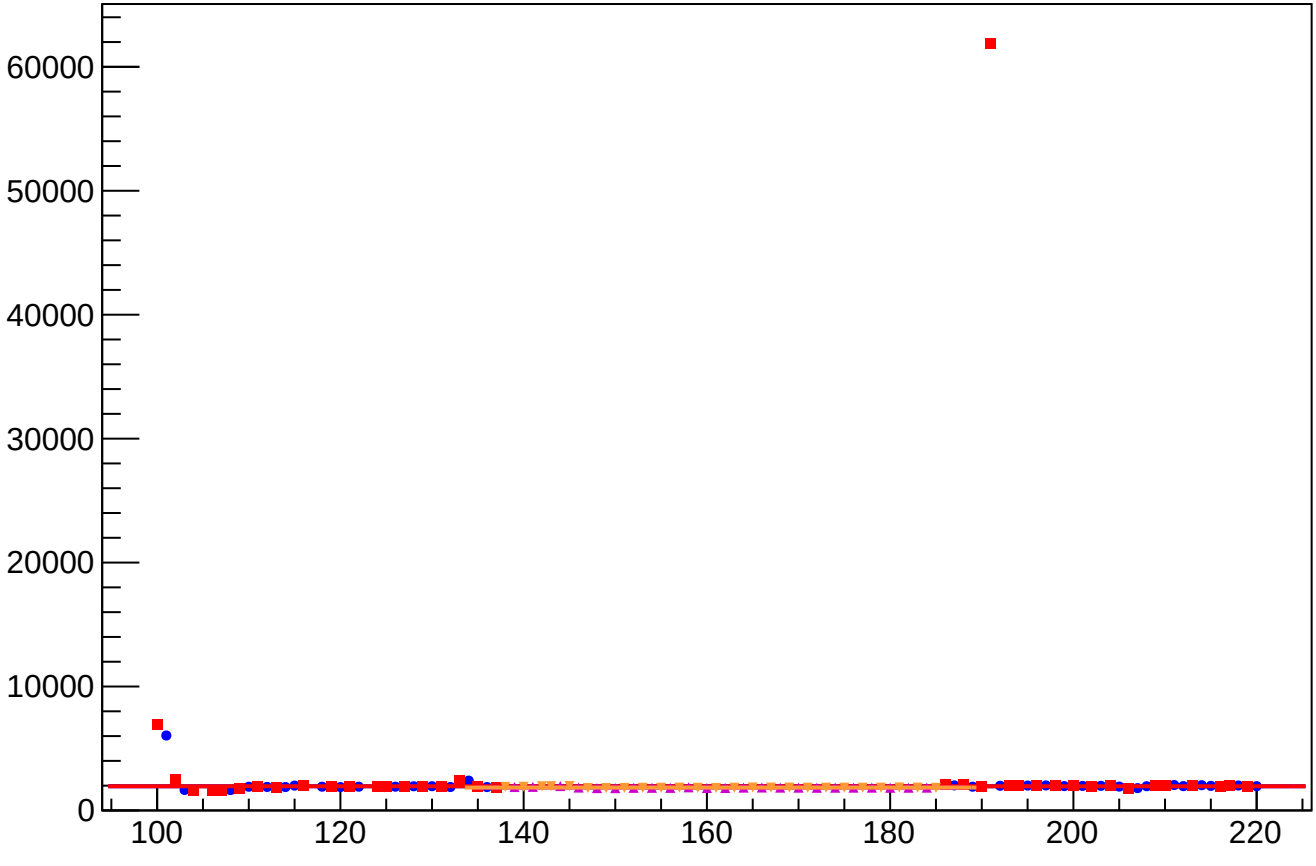
Right: 2162.614+/-302.828 χ^2/NDF: 56.6/69

In: 2750.453+/-304.103 χ^2/NDF:44.5/55

Out: 1730.683+/-299.523 χ^2/NDF:65.8/61

All: 2232.831+/-213.396 χ^2/NDF: 116.0/117

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1953.291+/-0.304 χ^2/NDF: 728721.7/32

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1952.352+/-0.302 χ^2/NDF: 427422.9/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

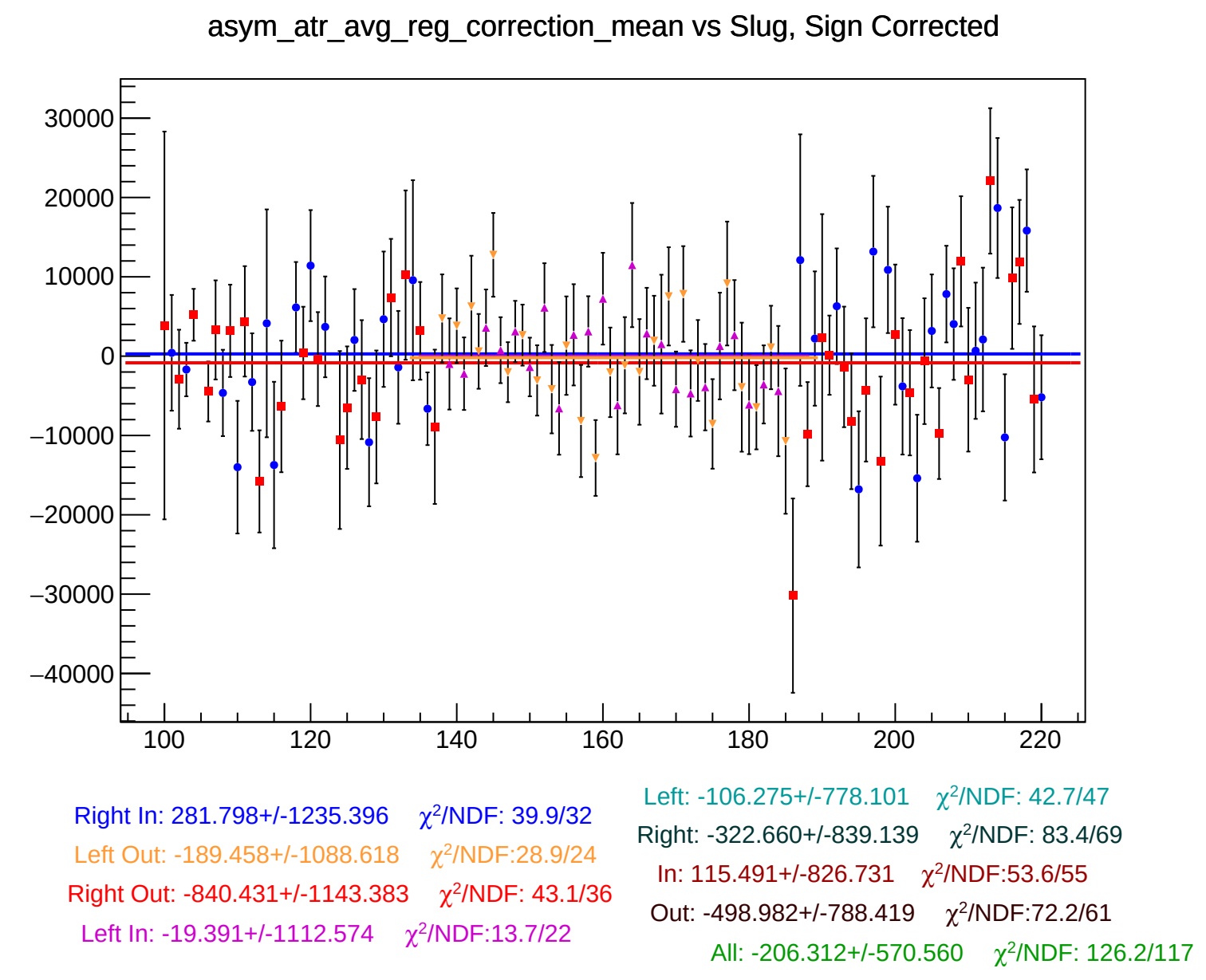
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

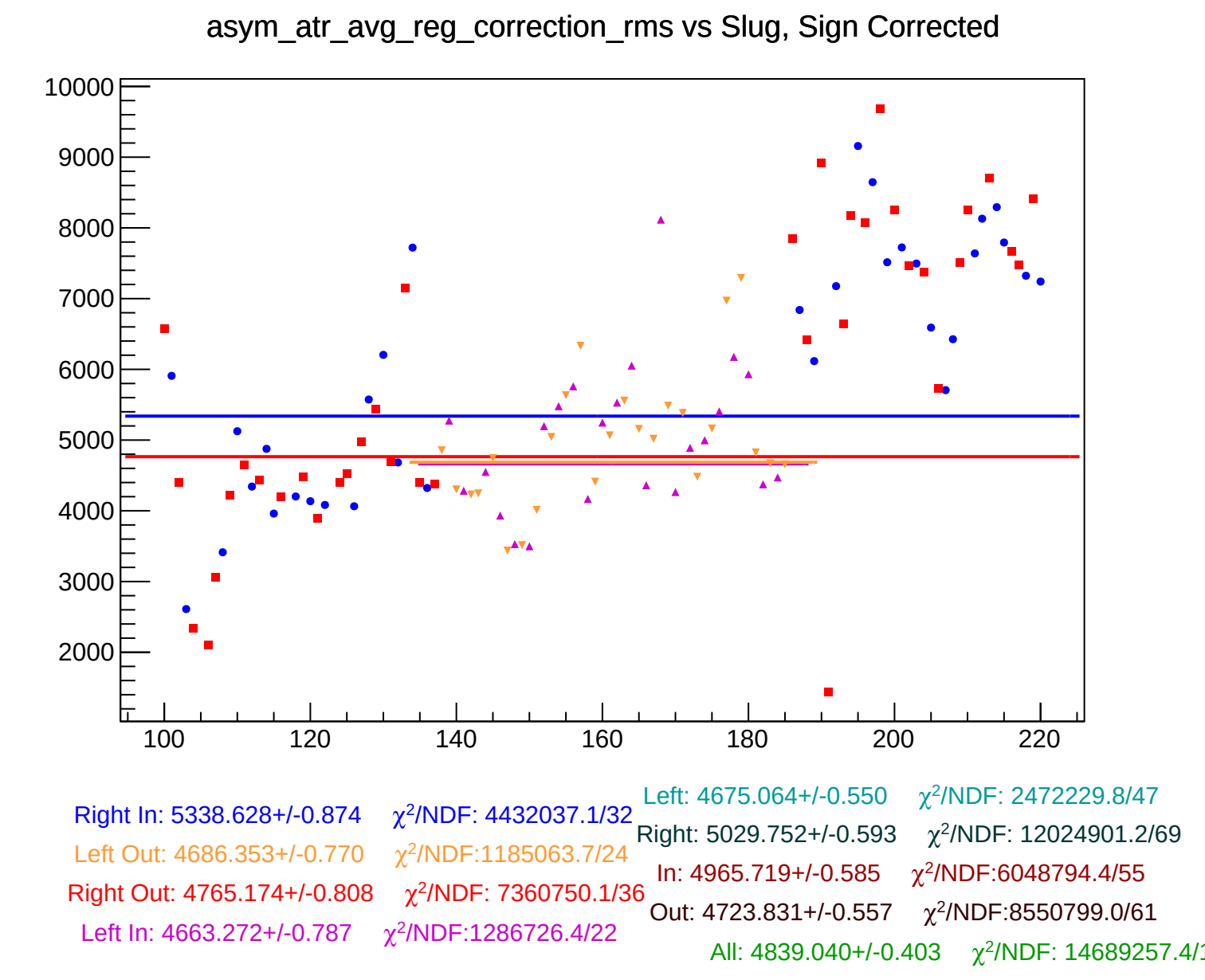
Right: 1952.819+/-0.214 χ^2/NDF: 1156149.4/69

In: 1899.378+/-0.215 χ^2/NDF:806079.8/55

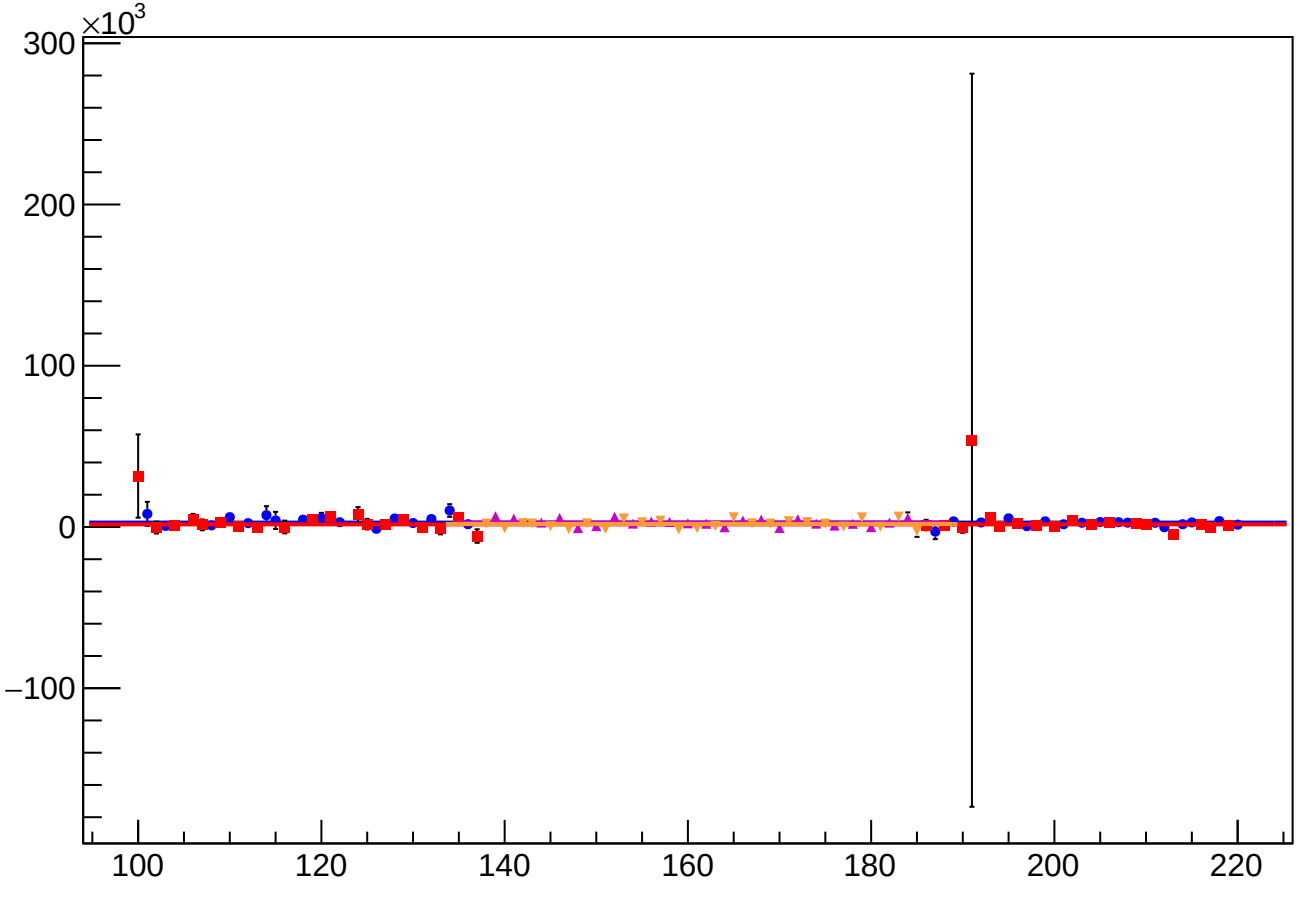
Out: 1899.612+/-0.212 χ^2/NDF:508452.5/61

All: 1899.497+/-0.151 χ^2/NDF: 1314532.9/11


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 281.798+/-1235.396 χ²/NDF: 39.9/32
Left Out: -189.458+/-1088.618 χ²/NDF:28.9/24
Right Out: -840.431+/-1143.383 χ²/NDF: 43.1/36
Left In: -19.391+/-1112.574 χ²/NDF:13.7/22
Left: -106.275+/-778.101 χ²/NDF: 42.7/47
Right: -322.660+/-839.139 χ²/NDF: 83.4/69
In: 115.491+/-826.731 χ²/NDF:53.6/55
Out: -498.982+/-788.419 χ²/NDF:72.2/61
All: -206.312+/-570.560 χ²/NDF: 126.2/117


asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 5338.628+/-0.874 χ²/NDF: 4432037.1/32
Left Out: 4686.353+/-0.770 χ²/NDF:1185063.7/24
Right Out: 4765.174+/-0.808 χ²/NDF: 7360750.1/36
Left In: 4663.272+/-0.787 χ²/NDF:1286726.4/22
Left: 4675.064+/-0.550 χ²/NDF: 2472229.8/47
Right: 5029.752+/-0.593 χ²/NDF: 12024901.2/69
In: 4965.719+/-0.585 χ²/NDF:6048794.4/55
Out: 4723.831+/-0.557 χ²/NDF:8550799.0/61
All: 4839.040+/-0.403 χ²/NDF: 14689257.4/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2725.044+/-429.267 χ^2/NDF: 19.0/32

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1605.573+/-427.267 χ^2/NDF: 34.2/36

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

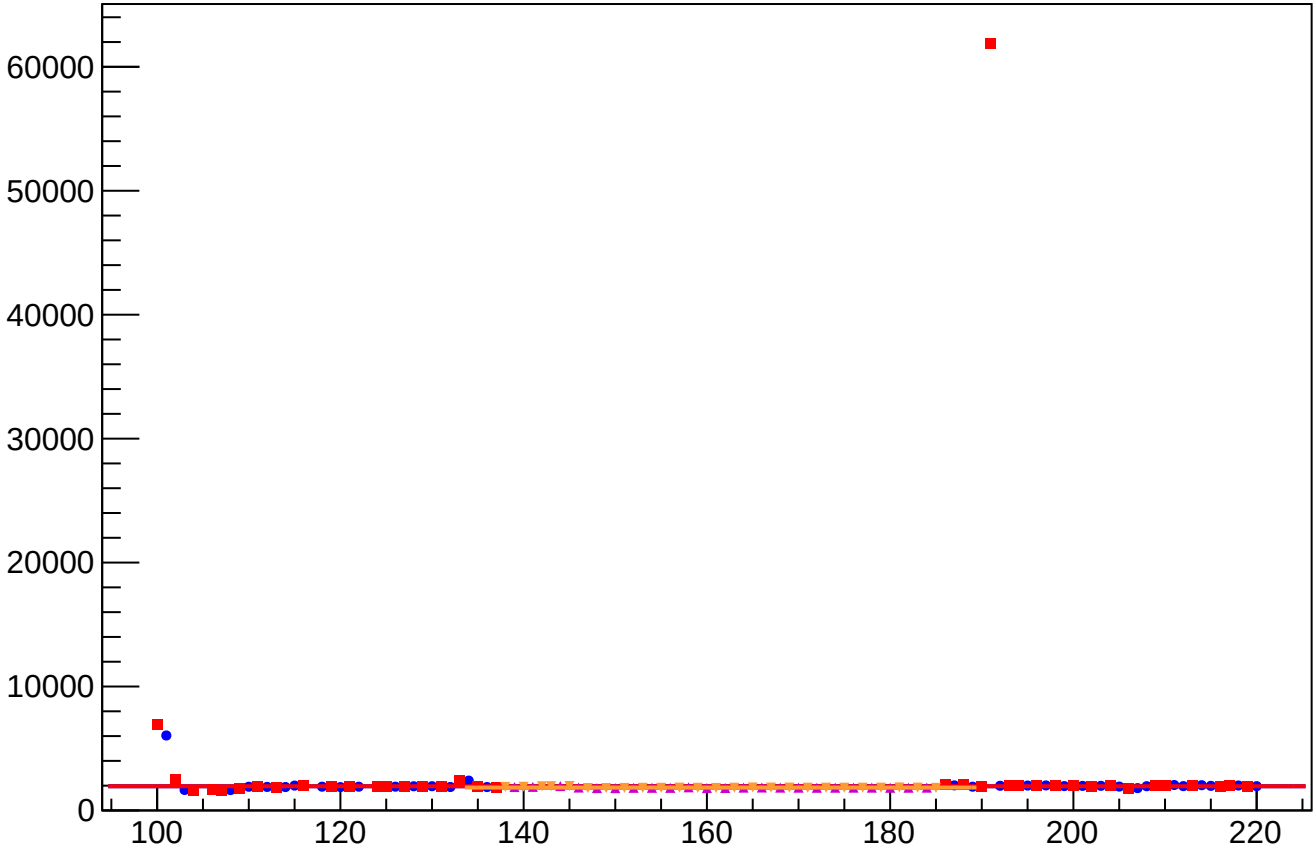
Right: 2162.694+/-302.828 χ^2/NDF: 56.6/69

In: 2750.300+/-304.103 χ^2/NDF:44.5/55

Out: 1730.841+/-299.523 χ^2/NDF:65.9/61

All: 2232.837+/-213.396 χ^2/NDF: 116.1/117

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1953.292+/-0.304 χ^2/NDF: 728720.7/32

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

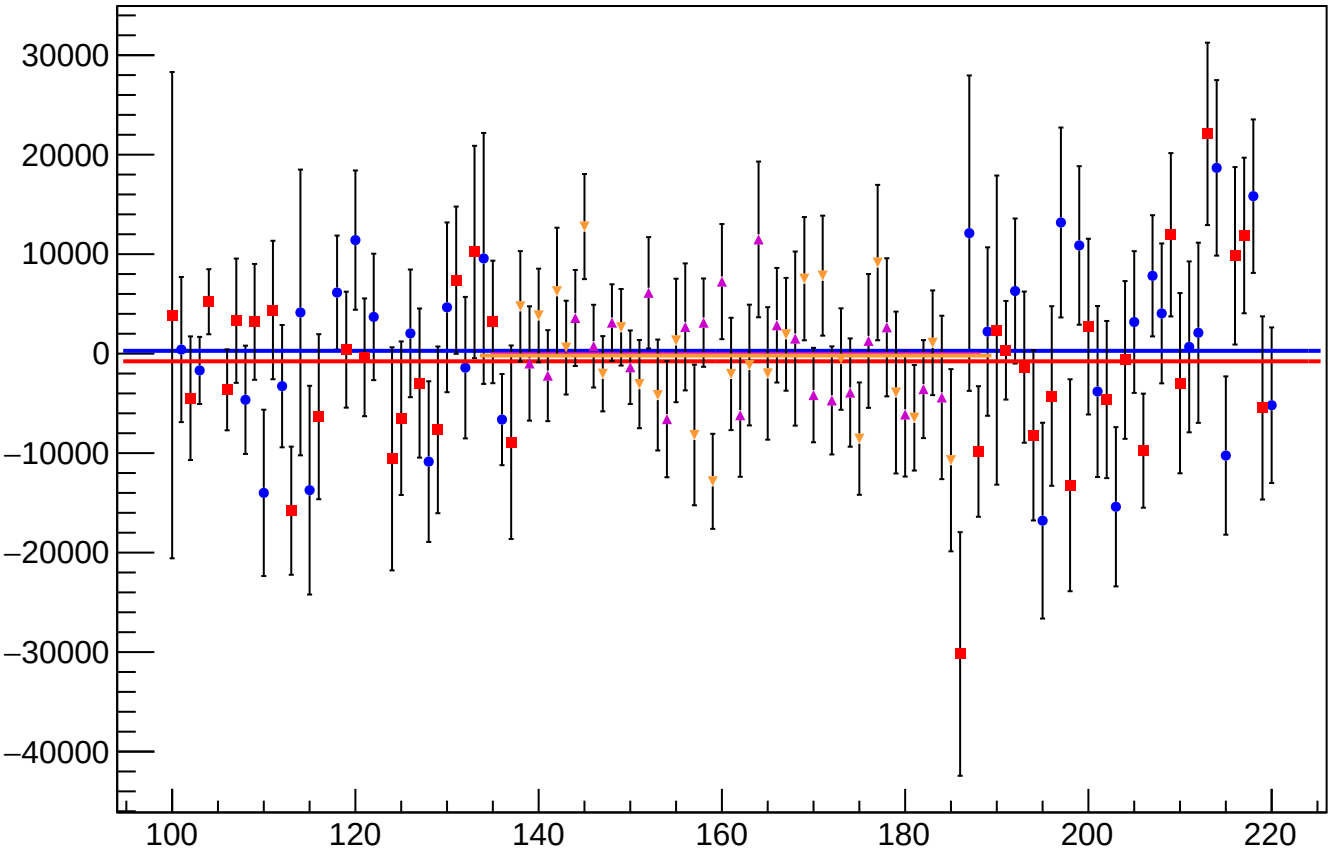
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1953.587+/-0.214 χ^2/NDF: 1147703.8/69

In: 1899.378+/-0.215 χ^2/NDF:806079.0/55

Out: 1900.328+/-0.212 χ^2/NDF:501749.5/61

All: 1899.860+/-0.151 χ^2/NDF: 1307838.4/11



Right In: 281.598+/-1235.397 χ^2/NDF: 39.9/32

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -770.960+/-1149.917 χ^2/NDF: 42.9/36

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

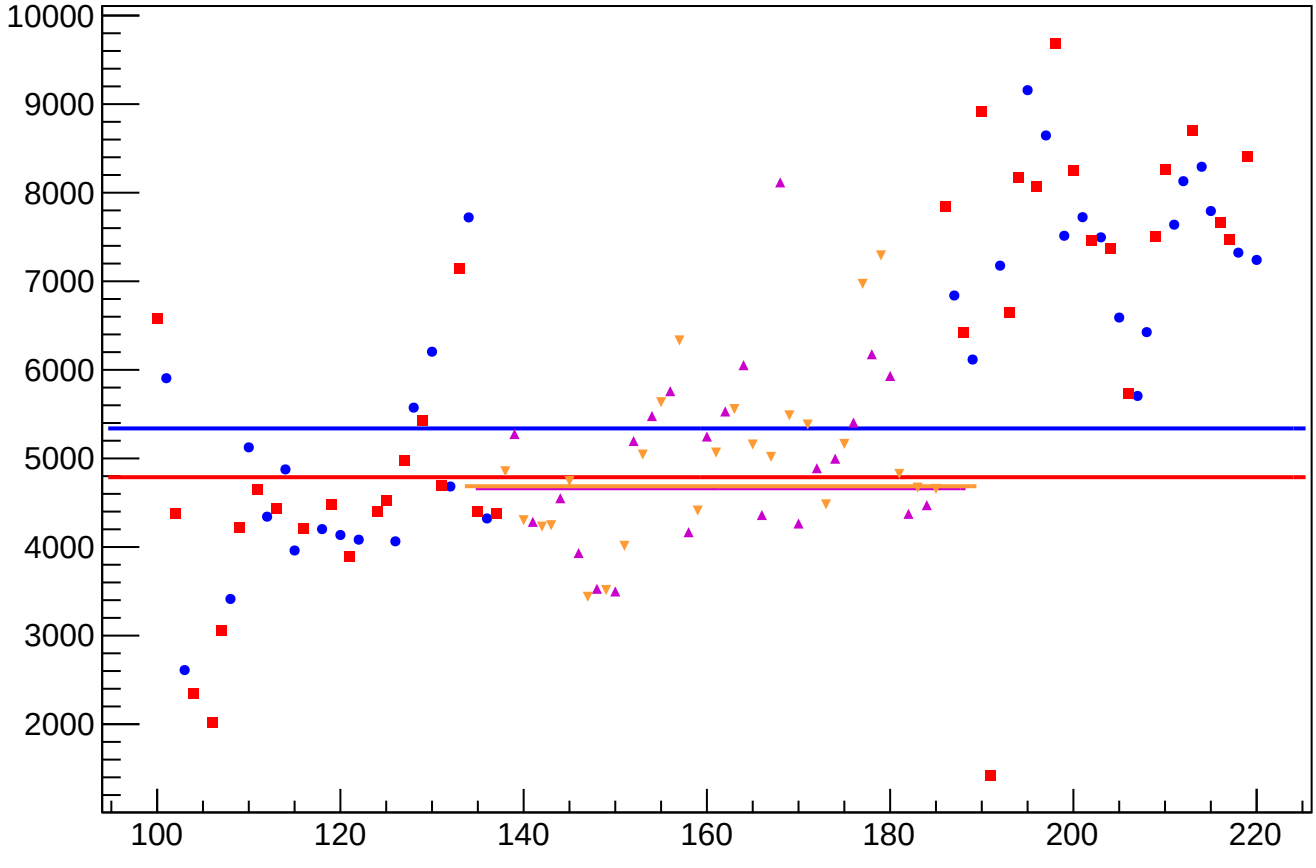
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -282.352+/-841.712 χ^2/NDF: 83.2/69

In: 115.379+/-826.731 χ^2/NDF:53.6/55

Out: -464.313+/-790.551 χ^2/NDF:72.0/61

All: -187.428+/-571.367 χ^2/NDF: 125.9/117



Right In: 5338.687+/-0.874 χ^2/NDF: 4431351.8/32

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

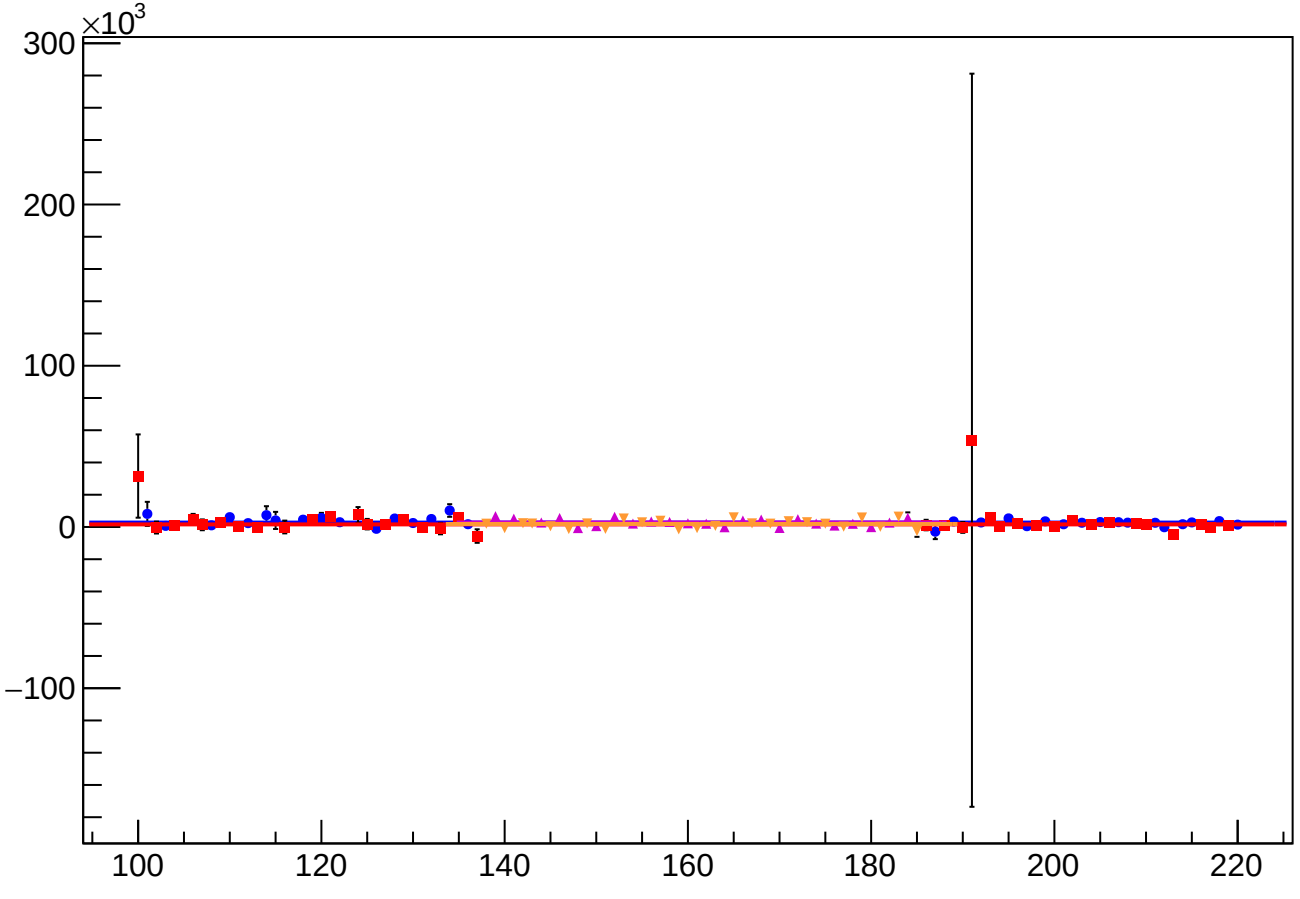
Right: 5043.782+/-0.595 χ^2/NDF: 11941316.0/69

In: 4965.746+/-0.585 χ^2/NDF:6048160.8/55

Out: 4734.522+/-0.559 χ^2/NDF:8490631.9/61

All: 4844.964+/-0.404 χ^2/NDF: 14620513.8/1

eigen_cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2725.044+/-429.267 χ^2/NDF: 19.0/32

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1605.573+/-427.267 χ^2/NDF: 34.2/36

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

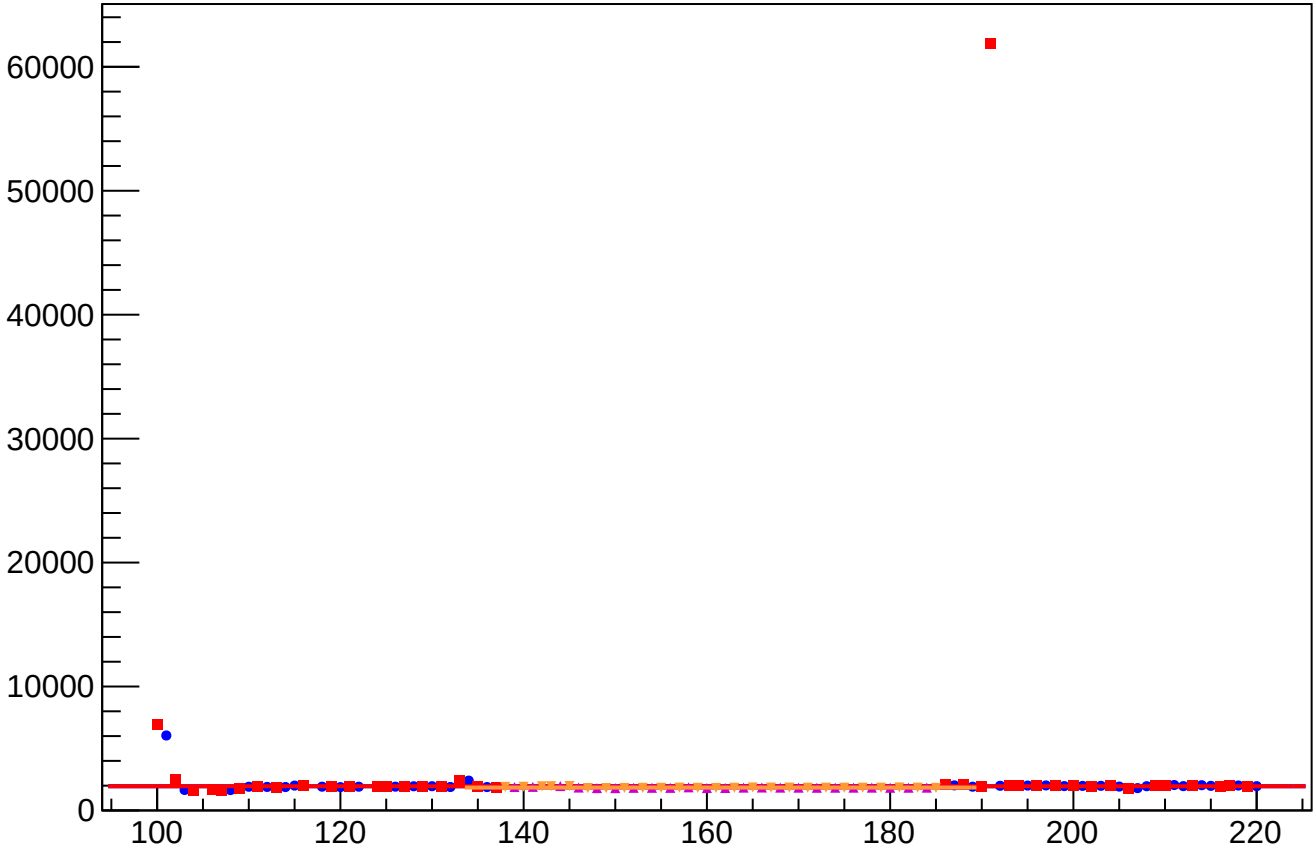
Right: 2162.694+/-302.828 χ^2/NDF: 56.6/69

In: 2750.300+/-304.103 χ^2/NDF:44.5/55

Out: 1730.841+/-299.523 χ^2/NDF:65.9/61

All: 2232.837+/-213.396 χ^2/NDF: 116.1/117

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1953.292+/-0.304 χ^2/NDF: 728720.7/32

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

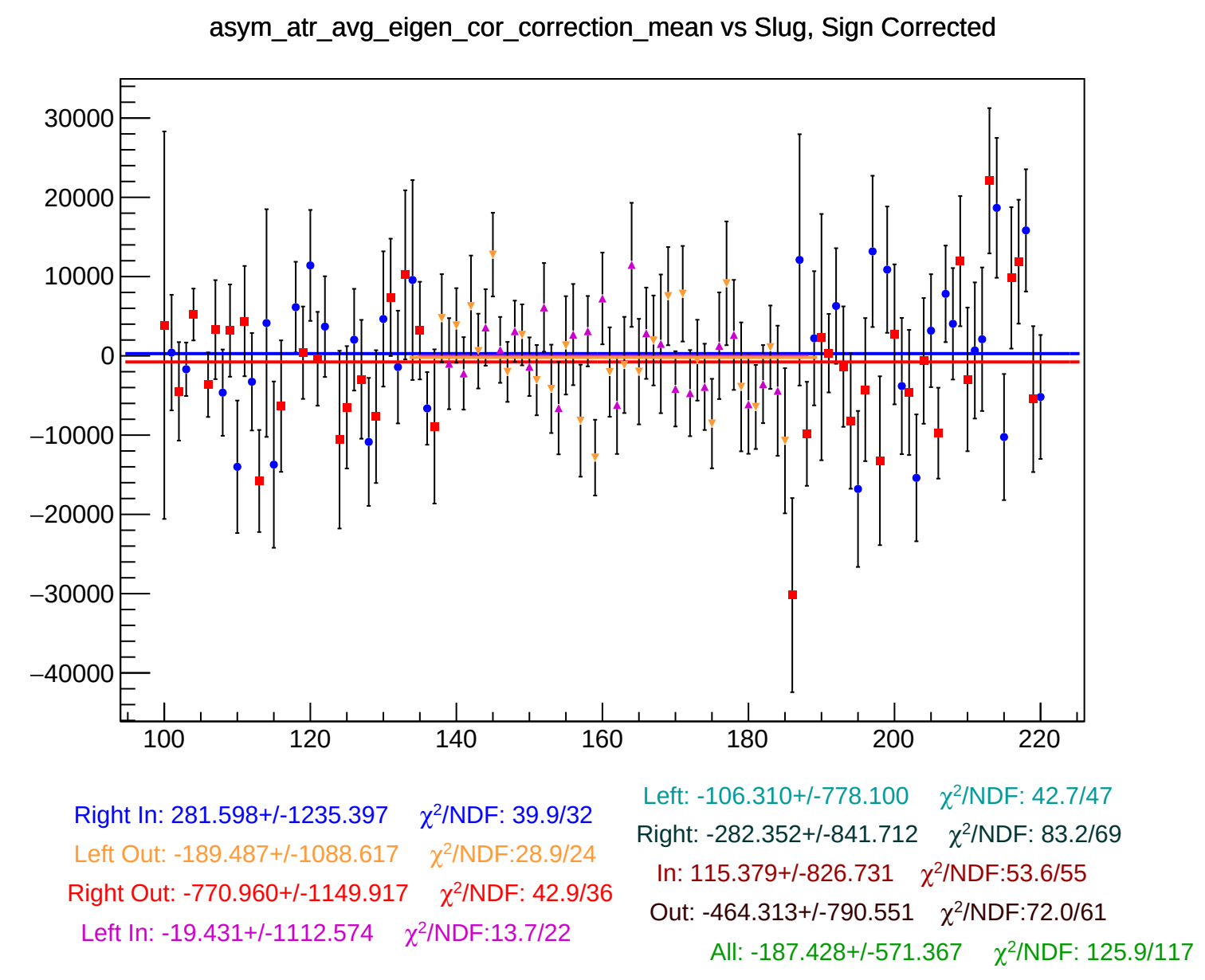
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

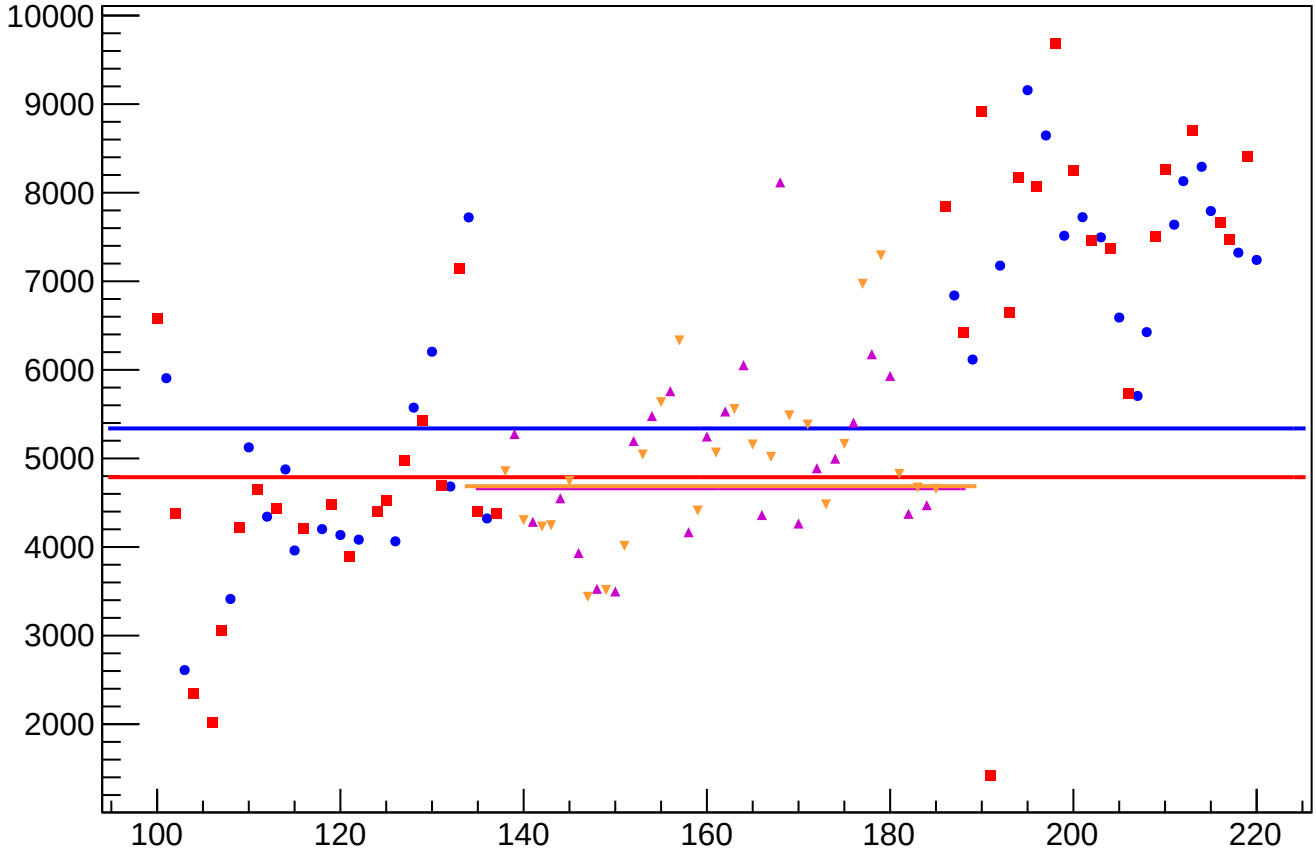
Right: 1953.587+/-0.214 χ^2/NDF: 1147703.8/69

In: 1899.378+/-0.215 χ^2/NDF:806079.0/55

Out: 1900.328+/-0.212 χ^2/NDF:501749.5/61

All: 1899.860+/-0.151 χ^2/NDF: 1307838.4/11


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 281.598+/-1235.397 χ²/NDF: 39.9/32
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -770.960+/-1149.917 χ²/NDF: 42.9/36
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -282.352+/-841.712 χ²/NDF: 83.2/69
In: 115.379+/-826.731 χ²/NDF:53.6/55
Out: -464.313+/-790.551 χ²/NDF:72.0/61
All: -187.428+/-571.367 χ²/NDF: 125.9/117



Right In: 5338.687+/-0.874 χ^2/NDF: 4431351.8/32

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

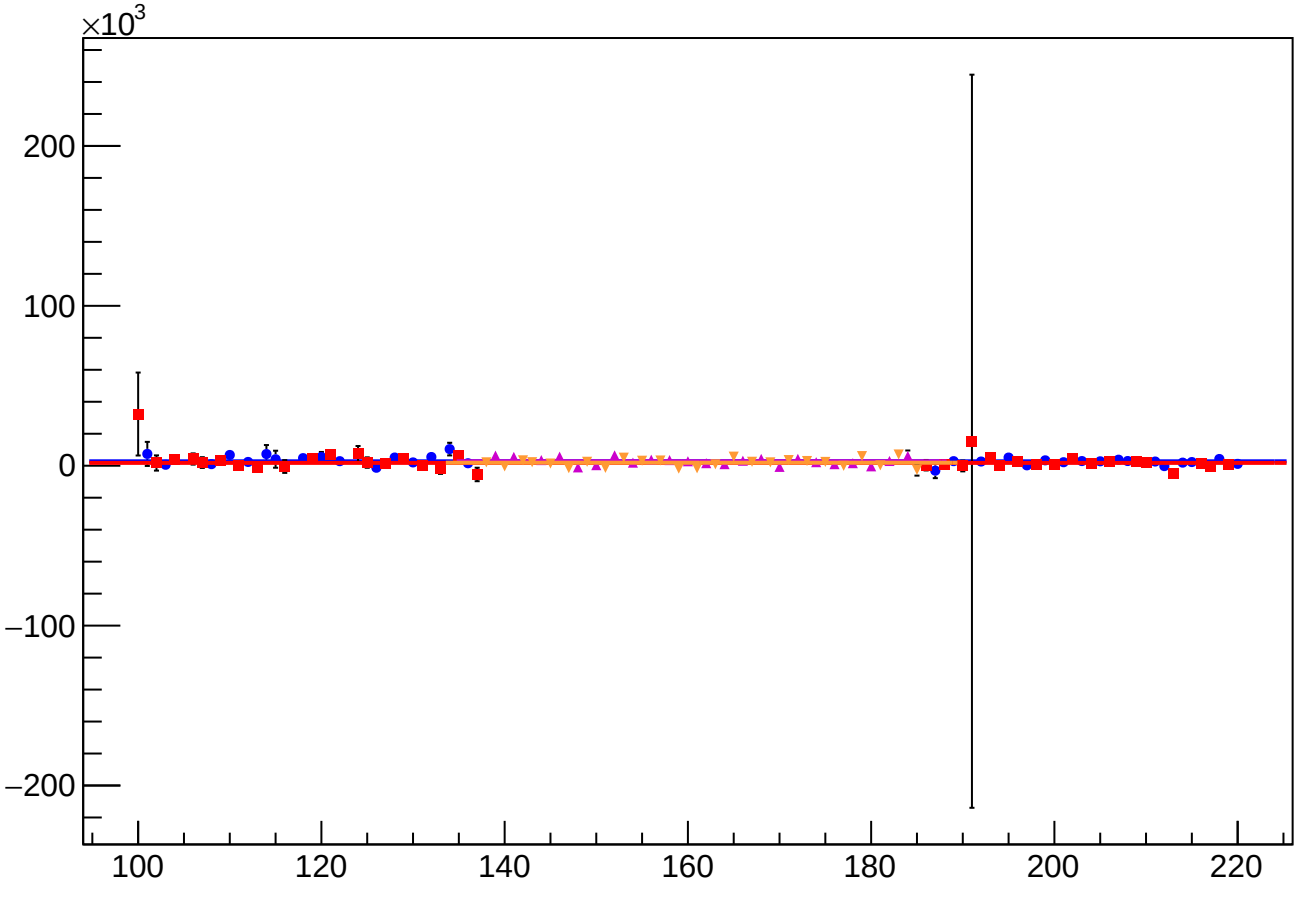
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 5043.782+/-0.595 χ^2/NDF: 11941316.0/69

In: 4965.746+/-0.585 χ^2/NDF:6048160.8/55

Out: 4734.522+/-0.559 χ^2/NDF:8490631.9/61

All: 4844.964+/-0.404 χ^2/NDF: 14620513.8/1



Right In: 2763.467+/-436.659 χ^2/NDF: 20.0/32

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 1775.530+/-435.643 χ^2/NDF: 35.7/36

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

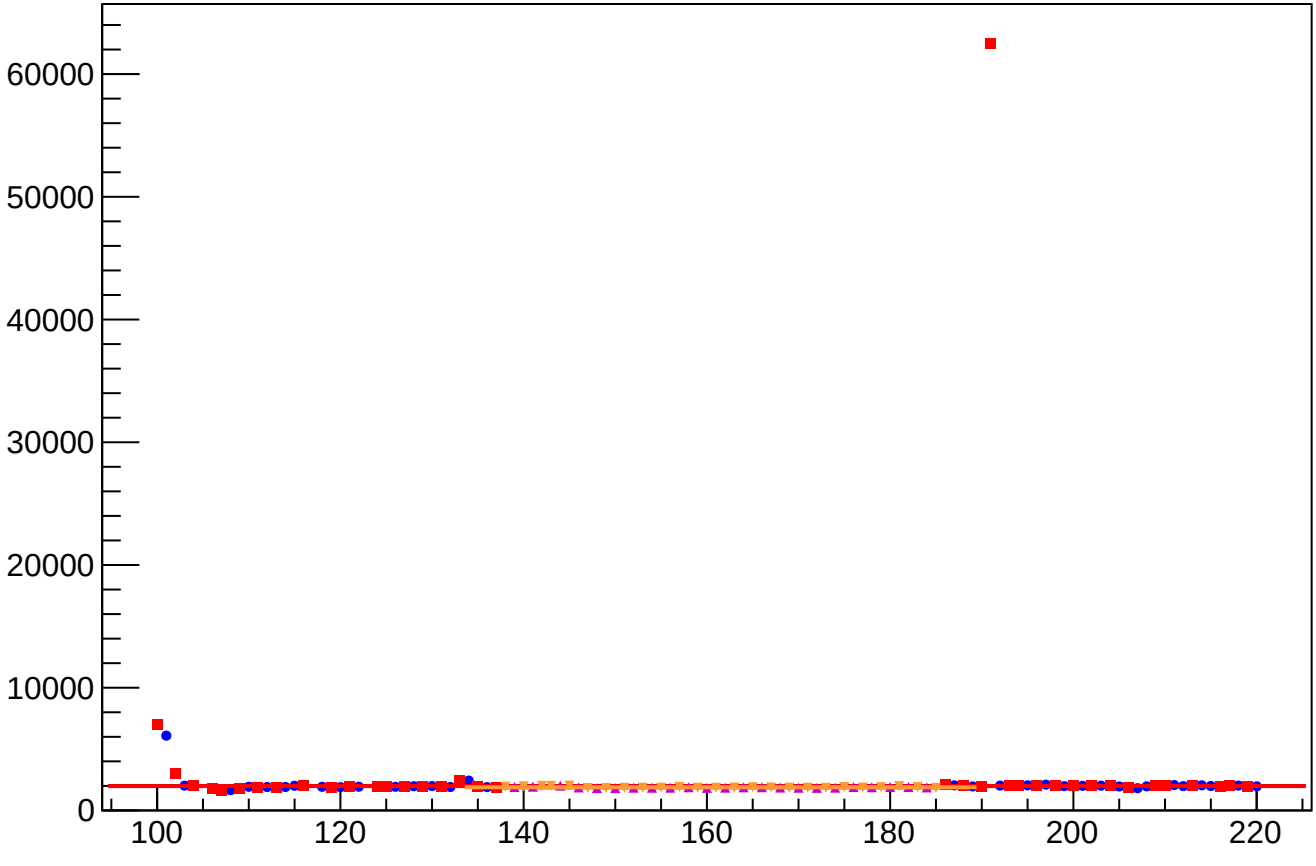
Right: 2268.348+/-308.405 χ^2/NDF: 58.3/69

In: 2780.848+/-309.671 χ^2/NDF:45.5/55

Out: 1829.041+/-305.663 χ^2/NDF:68.7/61

All: 2298.745+/-217.540 χ^2/NDF: 119.0/117

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1987.491+/-0.309 χ^2/NDF: 695961.0/32

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1989.061+/-0.308 χ^2/NDF: 437218.2/36

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

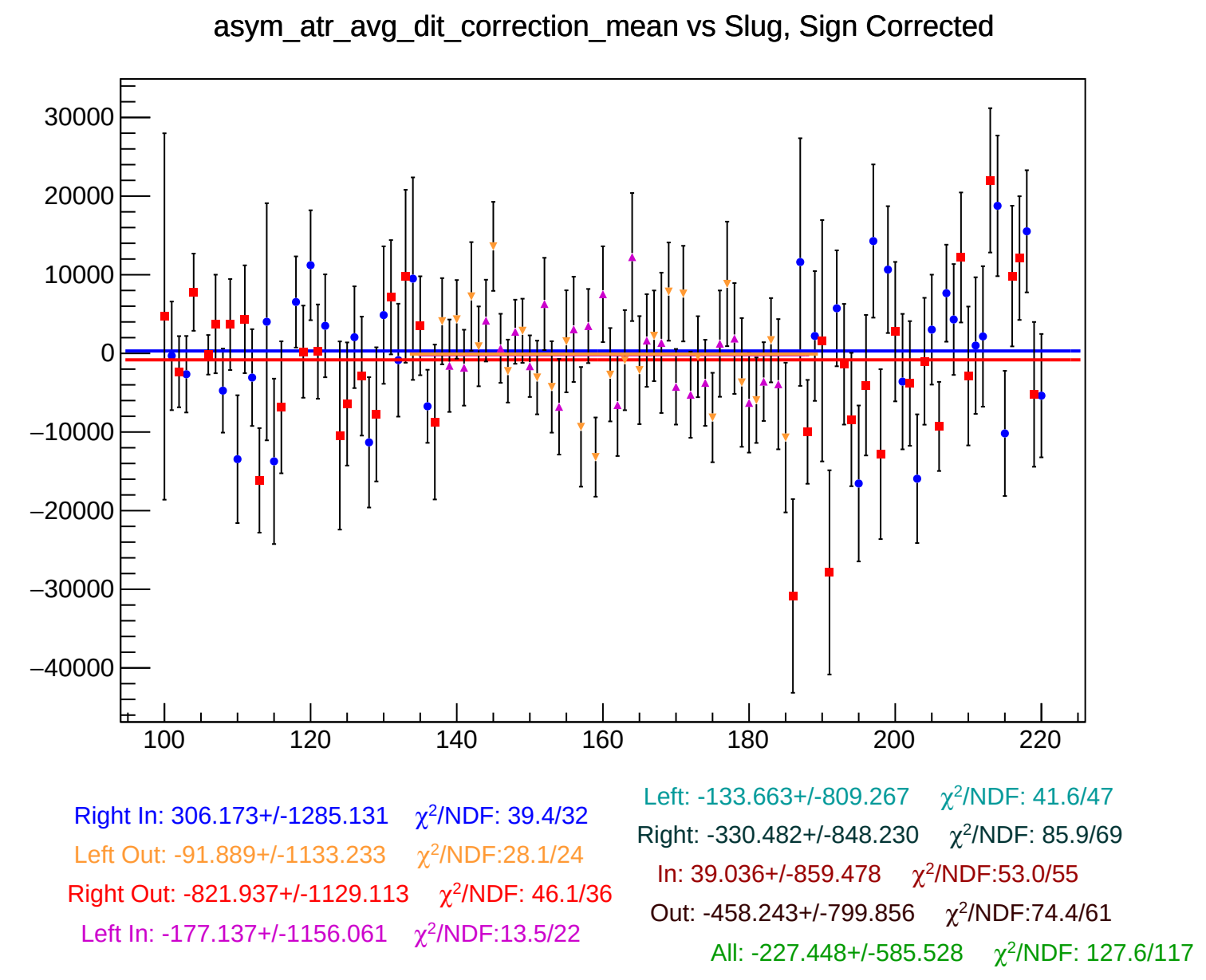
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

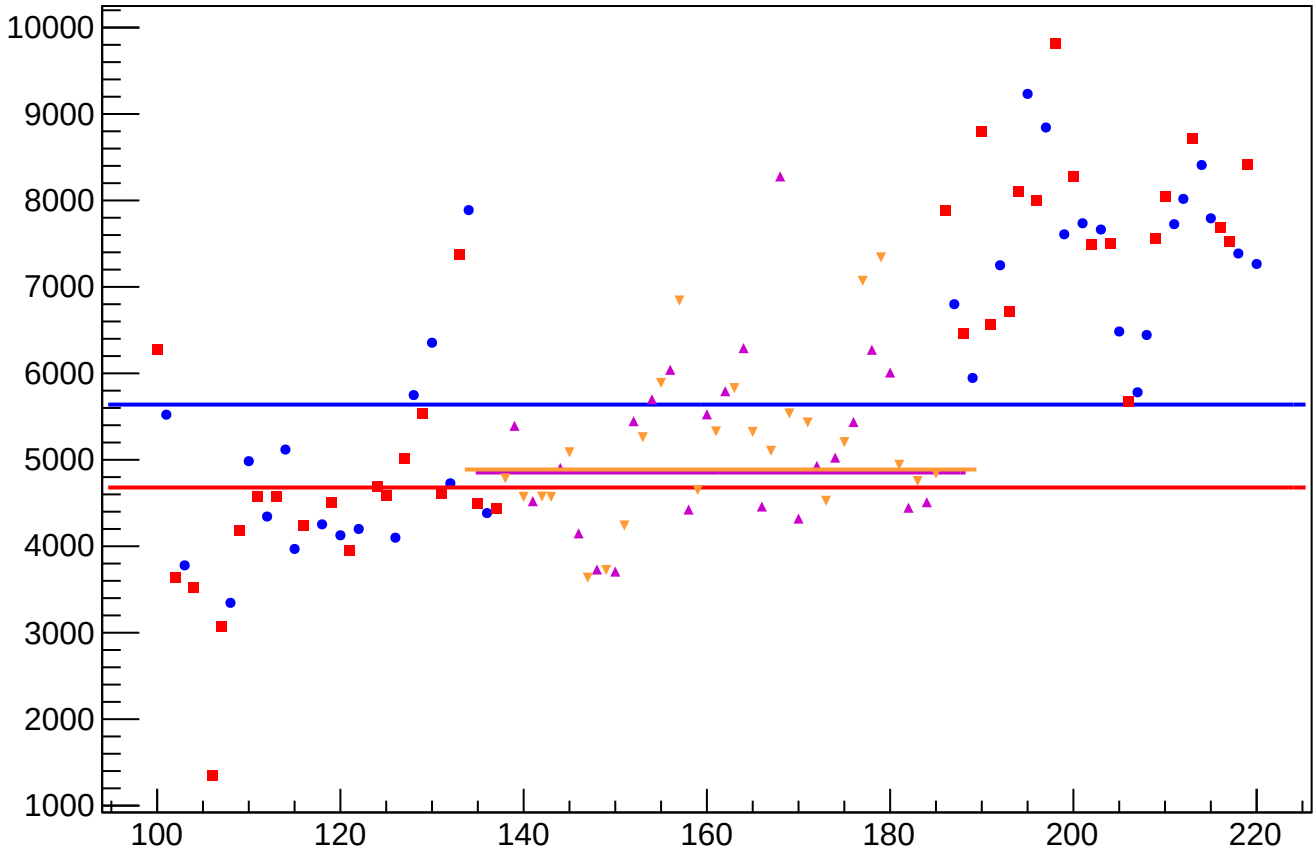
Right: 1988.278+/-0.218 χ^2/NDF: 1133192.2/69

In: 1934.347+/-0.219 χ^2/NDF:774597.8/55

Out: 1937.537+/-0.216 χ^2/NDF:524328.8/61

All: 1935.963+/-0.154 χ^2/NDF: 1299034.1/11


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 306.173+/-1285.131 χ²/NDF: 39.4/32
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -821.937+/-1129.113 χ²/NDF: 46.1/36
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -330.482+/-848.230 χ²/NDF: 85.9/69
In: 39.036+/-859.478 χ²/NDF:53.0/55
Out: -458.243+/-799.856 χ²/NDF:74.4/61
All: -227.448+/-585.528 χ²/NDF: 127.6/117



Right In: 5638.884+/-0.909 χ^2/NDF: 3274752.1/32

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4679.746+/-0.798 χ^2/NDF: 8356573.1/36

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

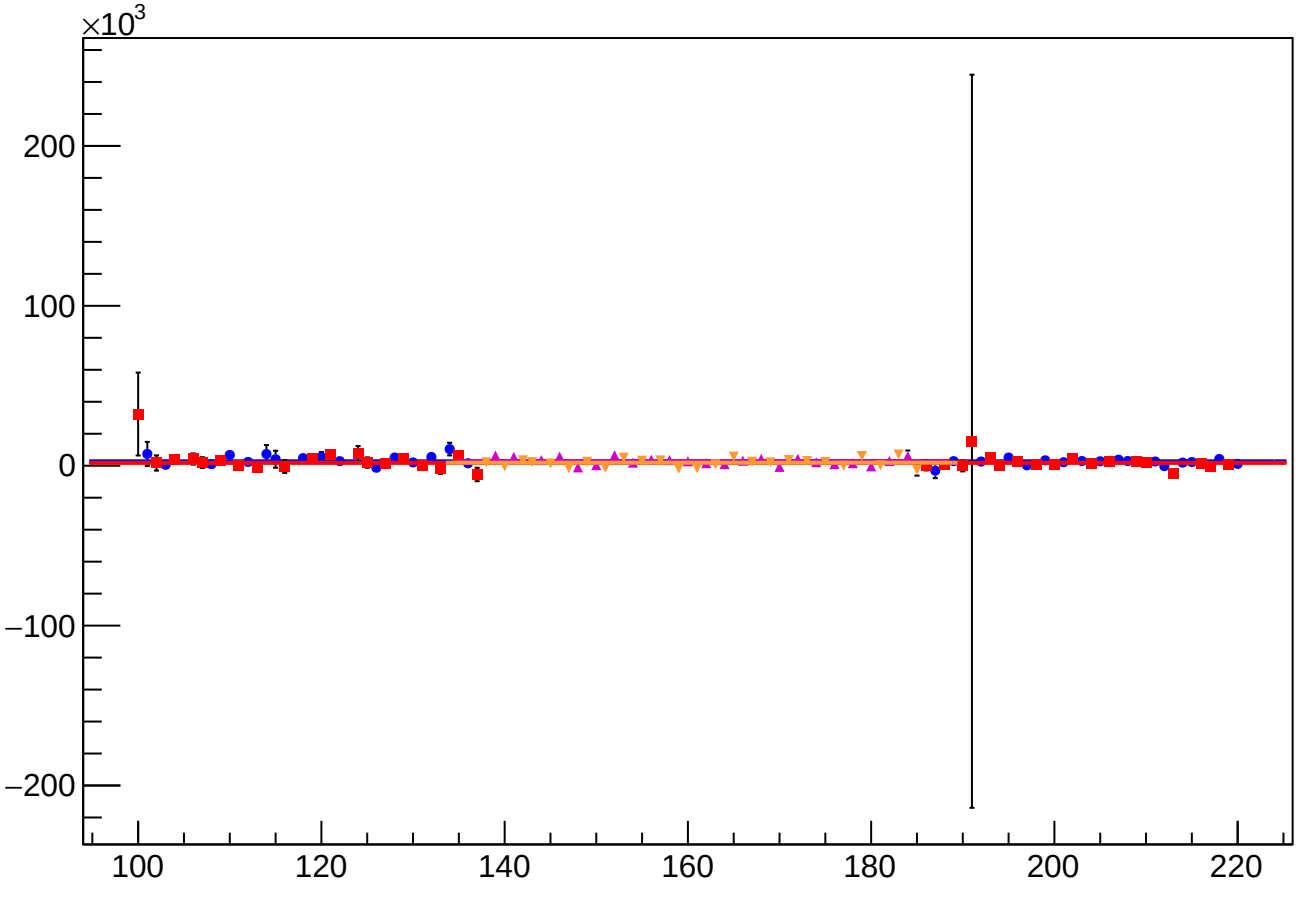
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 5097.590+/-0.600 χ^2/NDF: 12260034.3/69

In: 5204.707+/-0.608 χ^2/NDF:4866397.7/55

Out: 4783.405+/-0.566 χ^2/NDF:9453708.3/61

All: 4978.938+/-0.414 χ^2/NDF: 14577630.5/1



Right In: 2763.463+/-436.659 χ^2/NDF: 20.0/32

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 1775.531+/-435.643 χ^2/NDF: 35.7/36

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

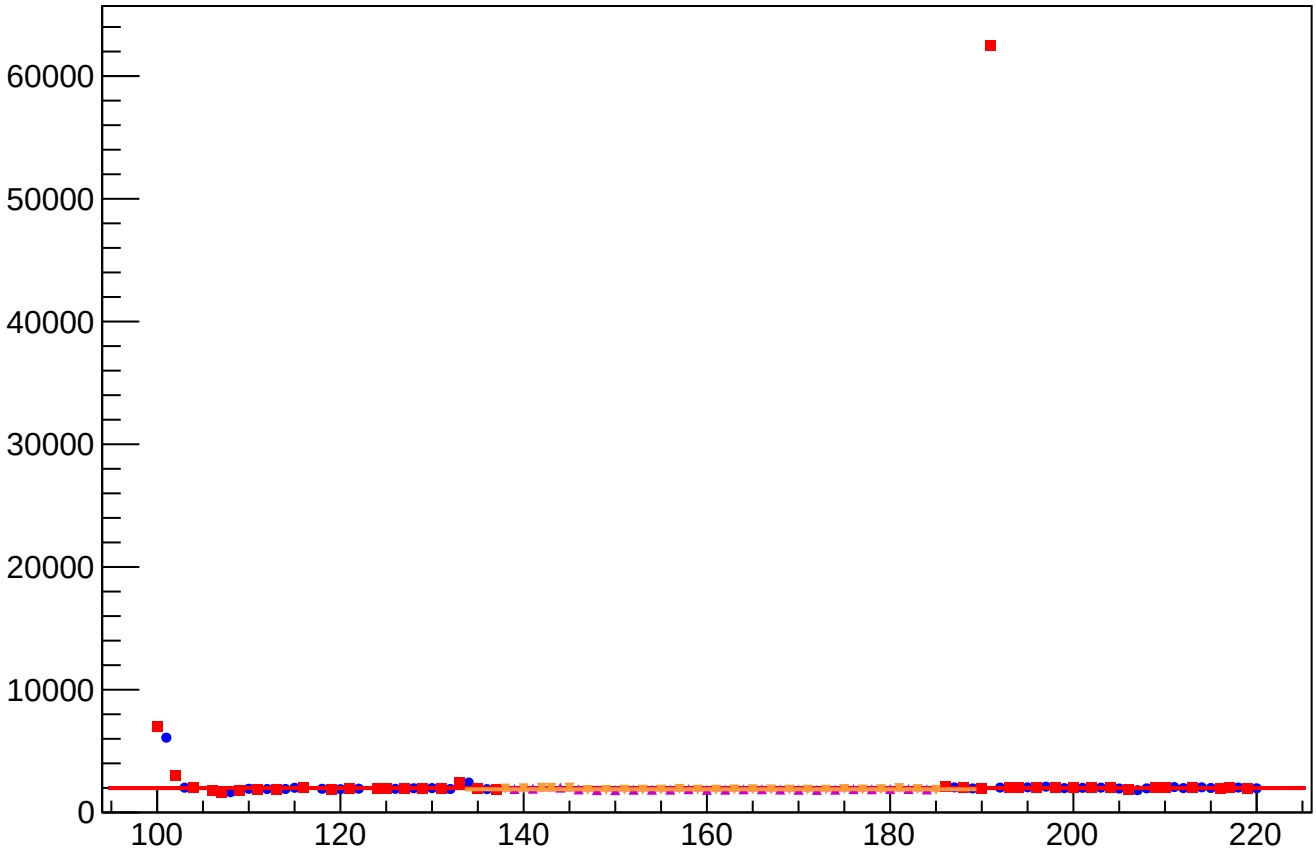
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2268.346+/-308.405 χ^2/NDF: 58.3/69

In: 2780.846+/-309.671 χ^2/NDF:45.5/55

Out: 1829.038+/-305.663 χ^2/NDF:68.7/61

All: 2298.743+/-217.540 χ^2/NDF: 119.0/117



Right In: 1987.491+/-0.309 χ^2/NDF: 695961.2/32

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1989.061+/-0.308 χ^2/NDF: 437217.7/36

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

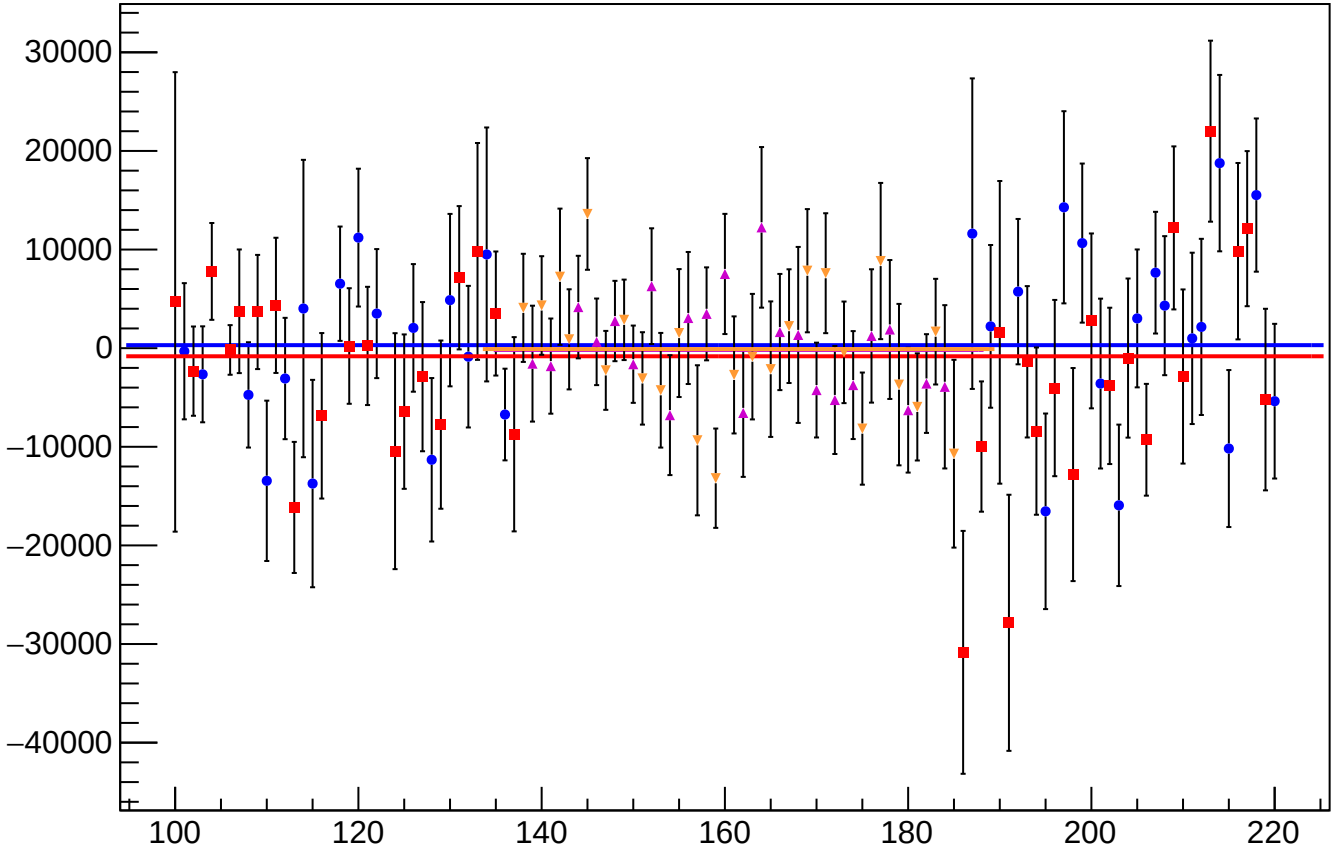
Right: 1988.278+/-0.218 χ^2/NDF: 1133191.9/69

In: 1934.348+/-0.219 χ^2/NDF:774596.9/55

Out: 1937.537+/-0.216 χ^2/NDF:524327.6/61

All: 1935.963+/-0.154 χ^2/NDF: 1299032.0/11

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 306.179+/-1285.130 χ^2/NDF: 39.4/32

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -821.936+/-1129.112 χ^2/NDF: 46.1/36

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

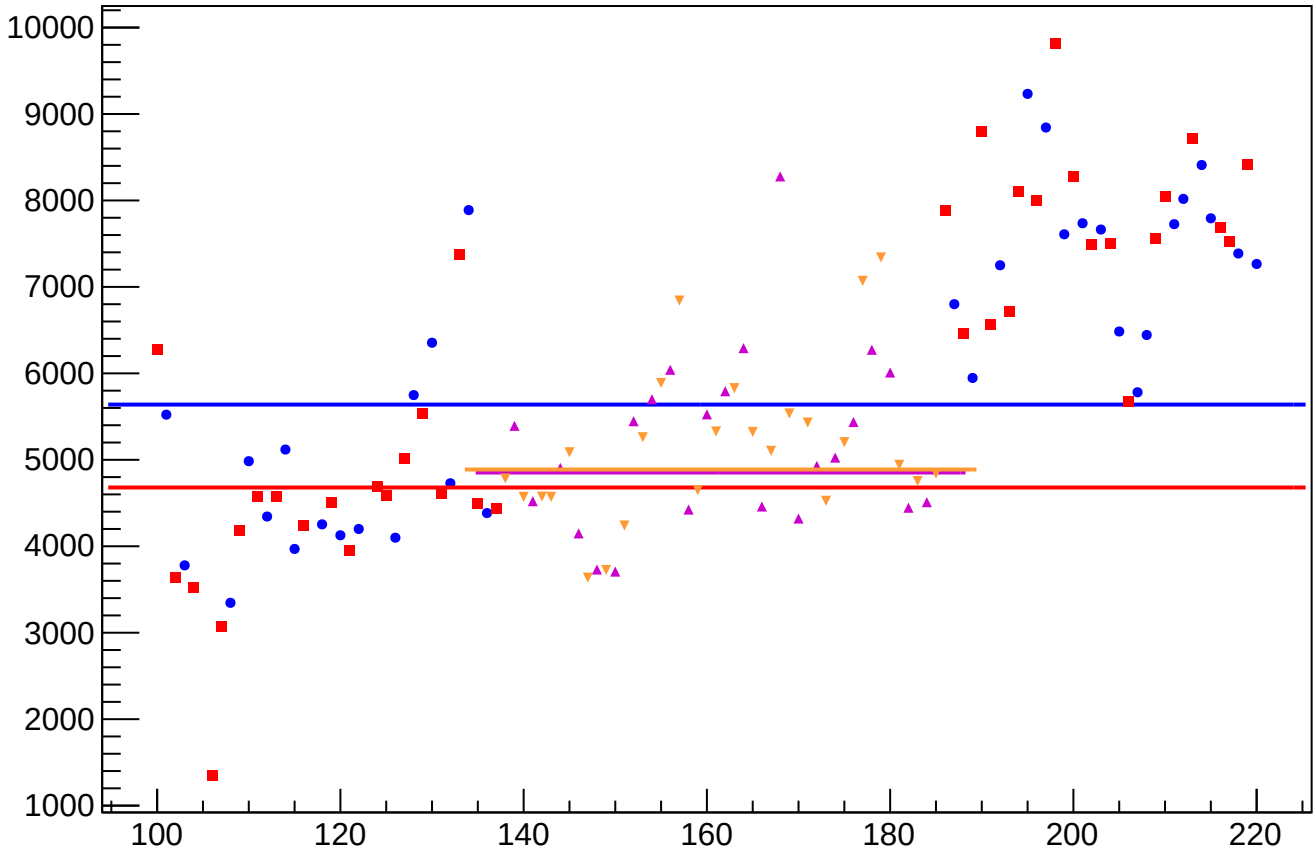
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -330.479+/-848.229 χ^2/NDF: 85.9/69

In: 39.037+/-859.479 χ^2/NDF:53.0/55

Out: -458.245+/-799.856 χ^2/NDF:74.4/61

All: -227.449+/-585.528 χ^2/NDF: 127.6/117



Right In: 5638.879+/-0.909 χ^2/NDF: 3274776.9/32

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4679.737+/-0.798 χ^2/NDF: 8356623.4/36

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

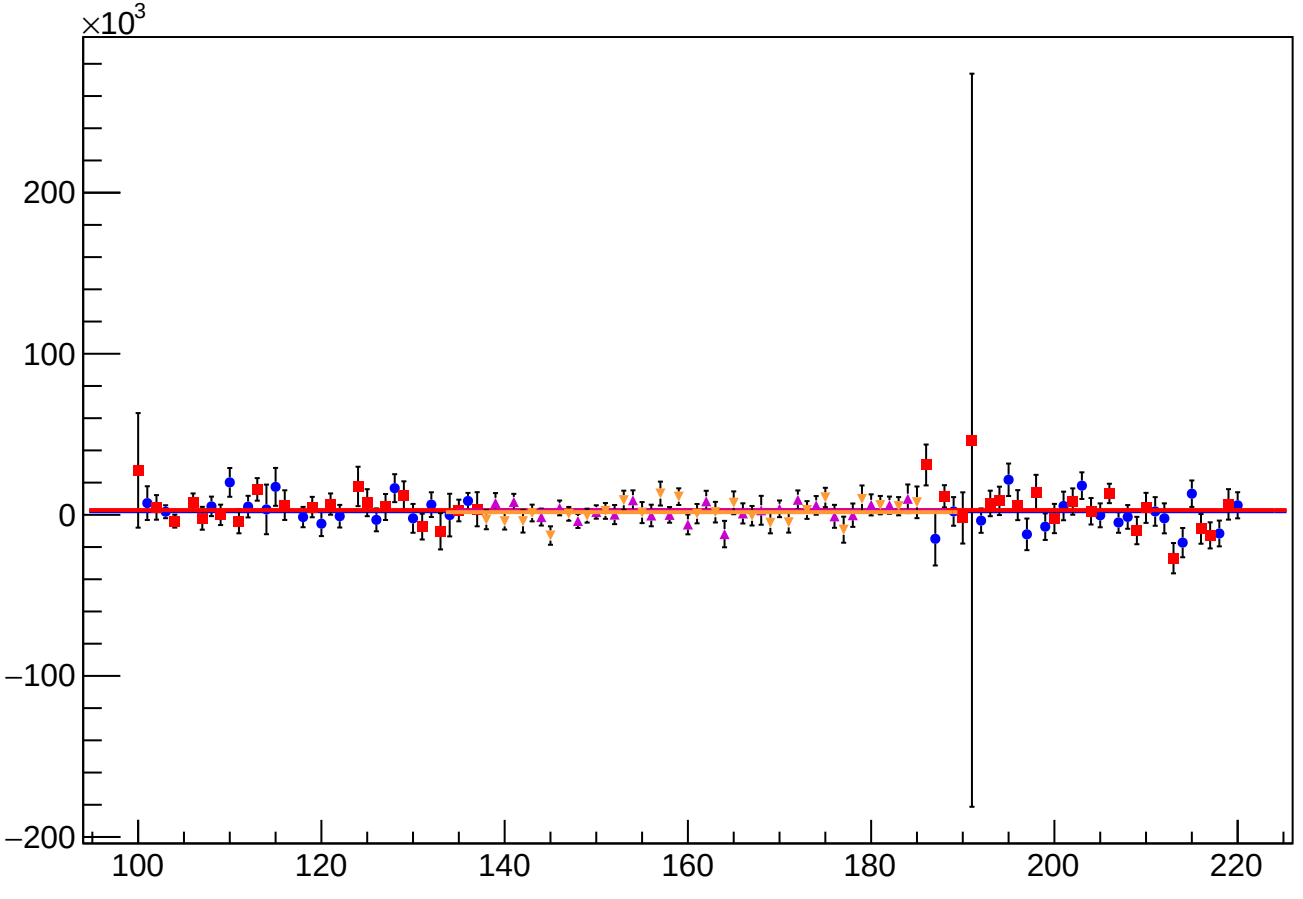
Right: 5097.582+/-0.600 χ^2/NDF: 12260116.0/69

In: 5204.710+/-0.608 χ^2/NDF:4866412.2/55

Out: 4783.405+/-0.566 χ^2/NDF:9453765.4/61

All: 4978.939+/-0.414 χ^2/NDF: 14577706.4/1

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2246.031+/-1343.611 χ^2/NDF: 37.4/32

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 2958.076+/-1310.830 χ^2/NDF: 45.3/36

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

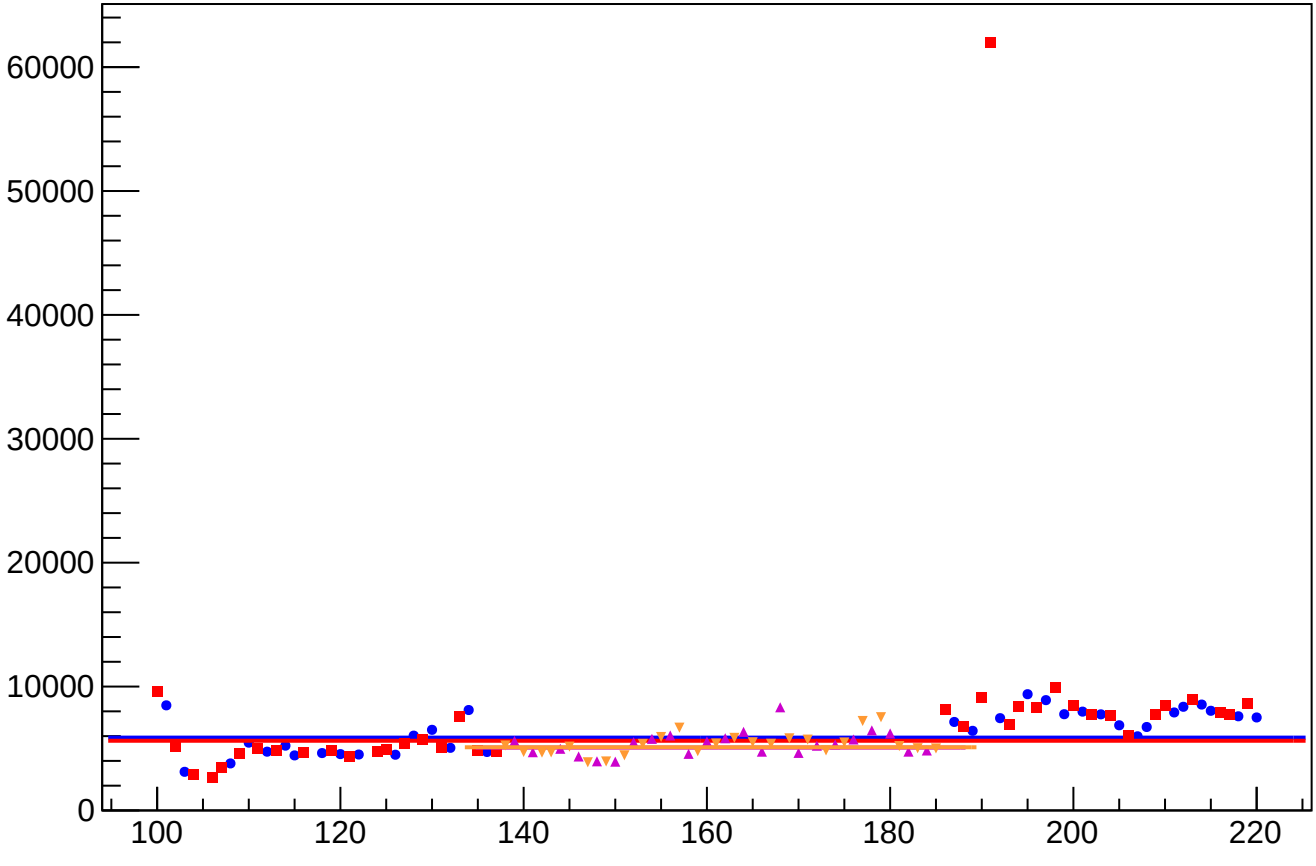
Right: 2610.846+/-938.272 χ^2/NDF: 82.9/69

In: 2422.110+/-896.852 χ^2/NDF:53.4/55

Out: 2237.333+/-876.449 χ^2/NDF:71.8/61

All: 2327.596+/-626.832 χ^2/NDF: 125.3/117

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5879.767+/-0.950 χ^2/NDF: 3535875.7/32

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5626.331+/-0.922 χ^2/NDF: 4757896.0/36

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

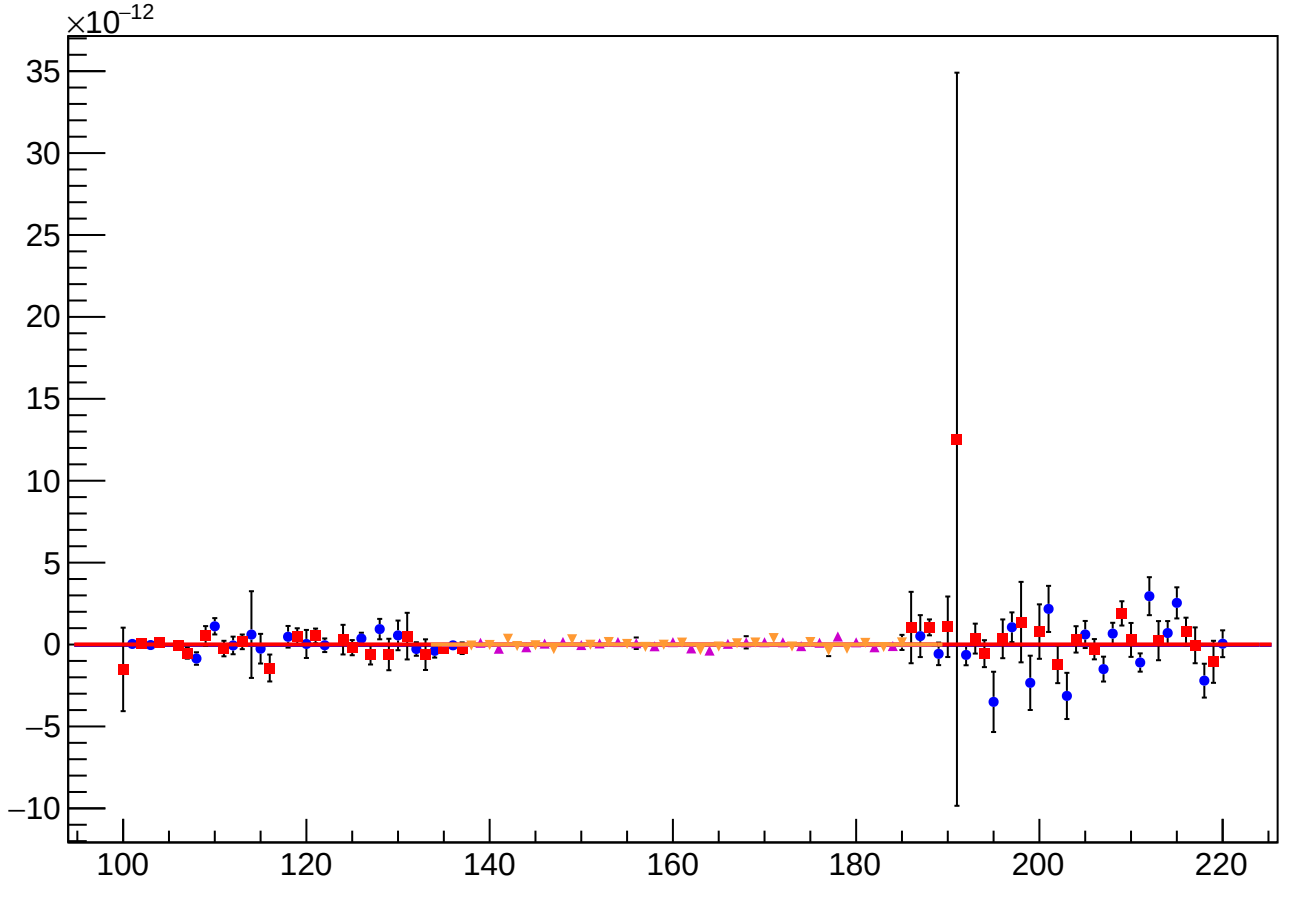
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5749.240+/-0.662 χ^2/NDF: 8330419.6/69

In: 5432.754+/-0.634 χ^2/NDF:4927053.6/55

Out: 5337.047+/-0.618 χ^2/NDF:5846141.6/61

All: 5383.685+/-0.443 χ^2/NDF: 10784872.4/1



Right In: -0.000+/-0.000 χ^2/NDF: 60.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/36

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

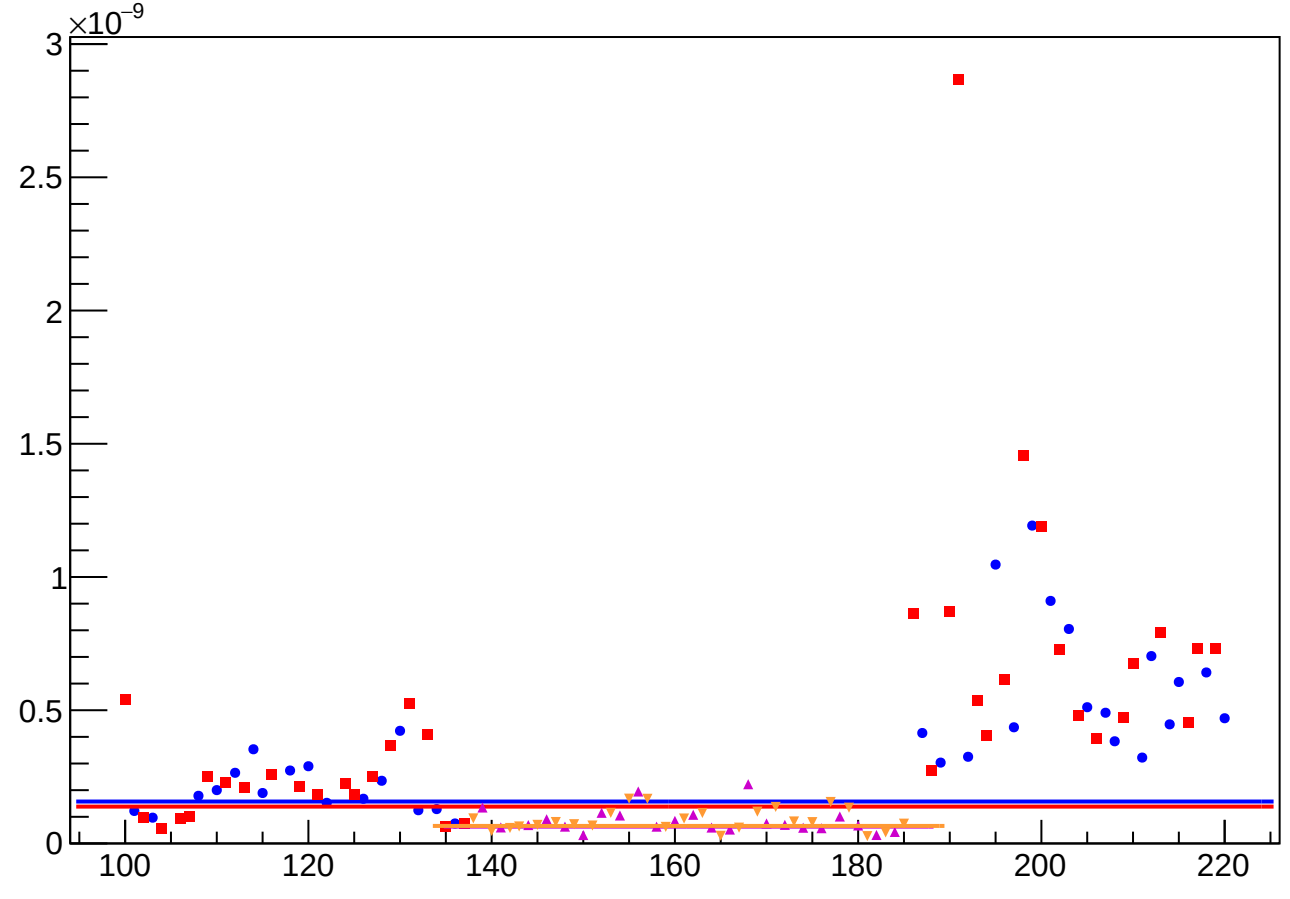
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 92.3/69

In: -0.000+/-0.000 χ^2/NDF:92.8/55

Out: 0.000+/-0.000 χ^2/NDF:65.0/61

All: -0.000+/-0.000 χ^2/NDF: 158.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 7510576.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9474594.5/36

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

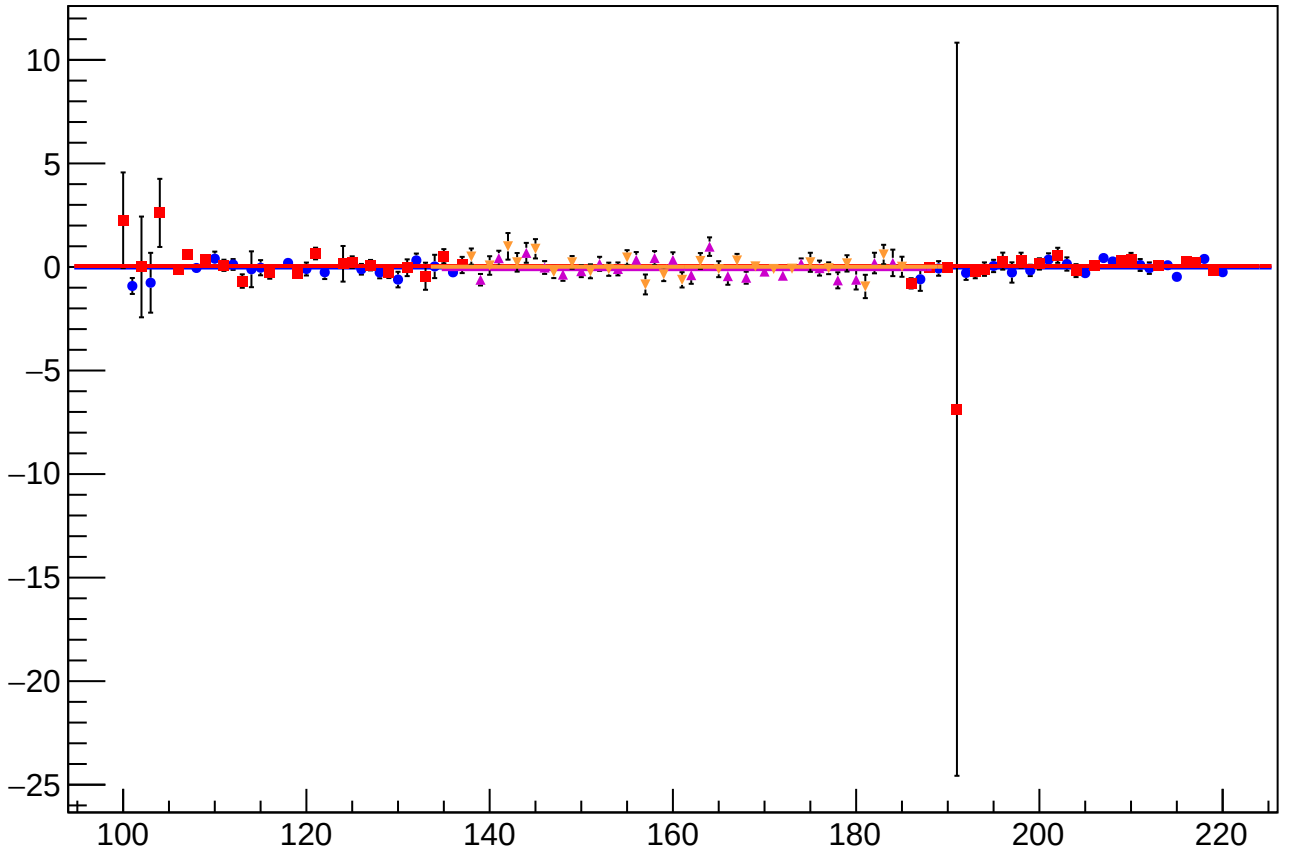
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 17059260.5/69

In: 0.000+/-0.000 χ^2/NDF:12771202.3/55

Out: 0.000+/-0.000 χ^2/NDF:13847932.4/61

All: 0.000+/-0.000 χ^2/NDF: 26619188.5/117



Right In: -0.026+/-0.047 χ^2/NDF: 41.9/32

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

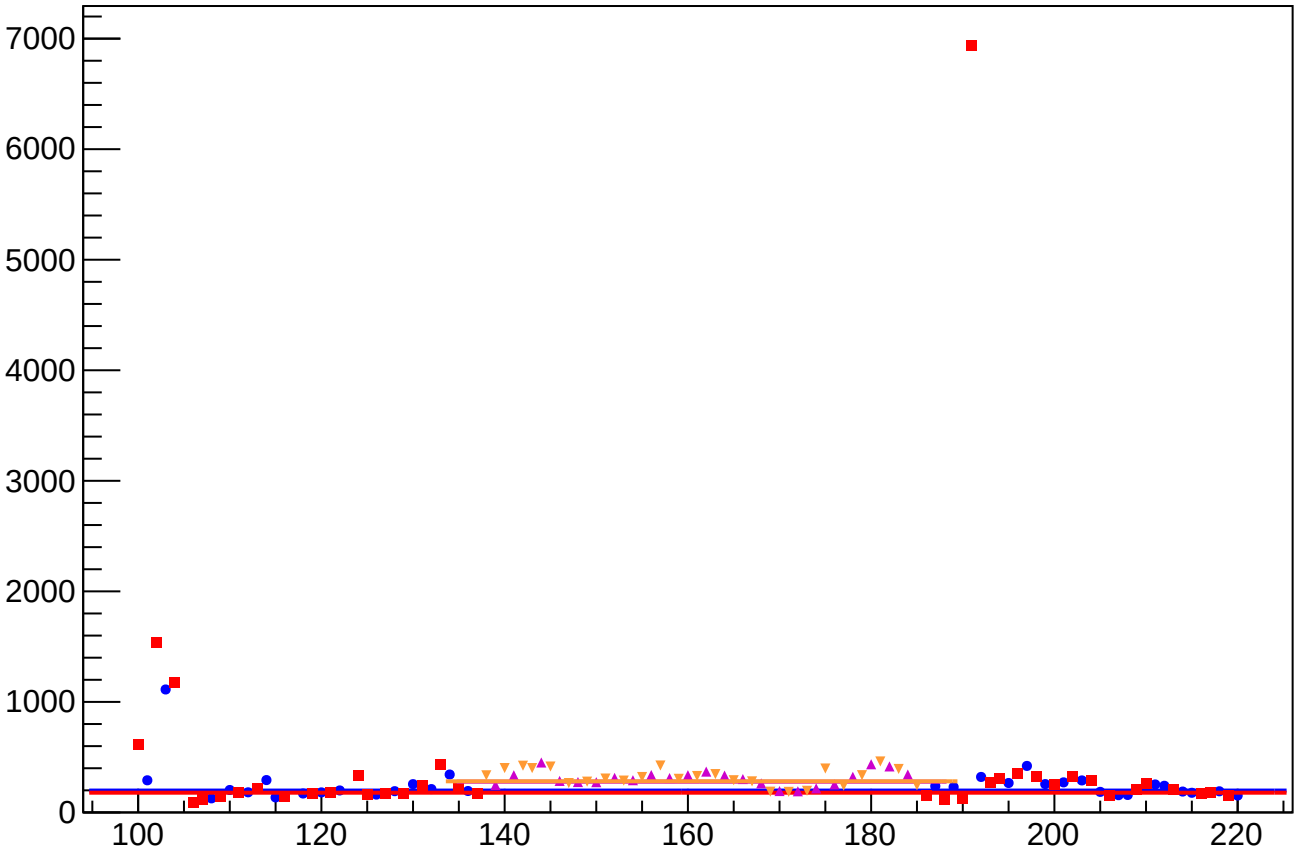
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.013+/-0.032 χ^2/NDF: 94.9/69

In: -0.051+/-0.039 χ^2/NDF:74.2/55

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: -0.005+/-0.027 χ^2/NDF: 154.0/117



Right In: 198.024+/-0.033 χ^2/NDF: 3190726.7/32

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

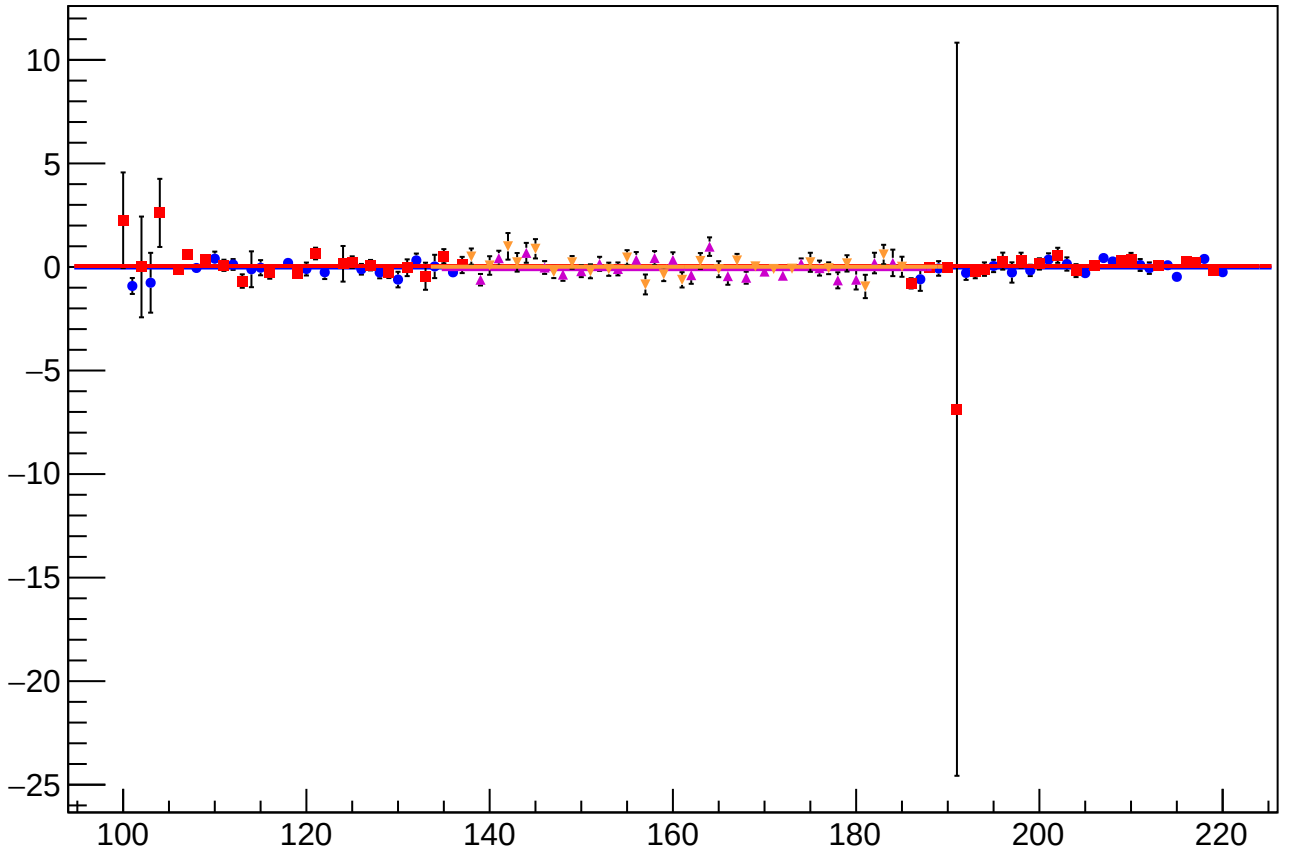
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 187.696+/-0.022 χ^2/NDF: 9095901.0/69

In: 223.393+/-0.027 χ^2/NDF:6870115.1/55

Out: 208.507+/-0.026 χ^2/NDF:11506206.8/61

All: 215.559+/-0.019 χ^2/NDF: 18533385.9/11



Right In: -0.026+/-0.047 χ^2/NDF: 41.9/32

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

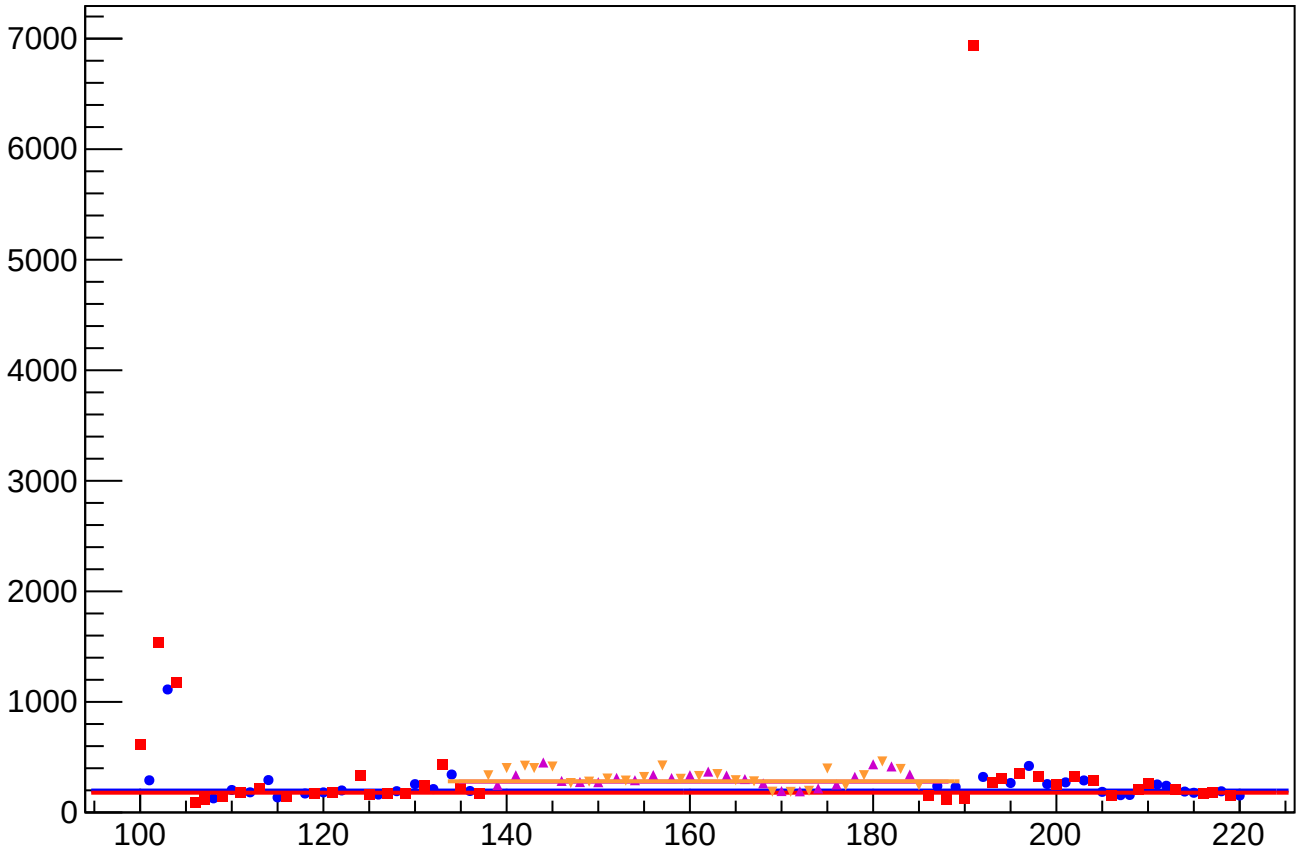
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.013+/-0.032 χ^2/NDF: 94.9/69

In: -0.051+/-0.039 χ^2/NDF:74.2/55

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: -0.005+/-0.027 χ^2/NDF: 154.0/117



Right In: 198.024+/-0.033 χ^2/NDF: 3190726.7/32

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

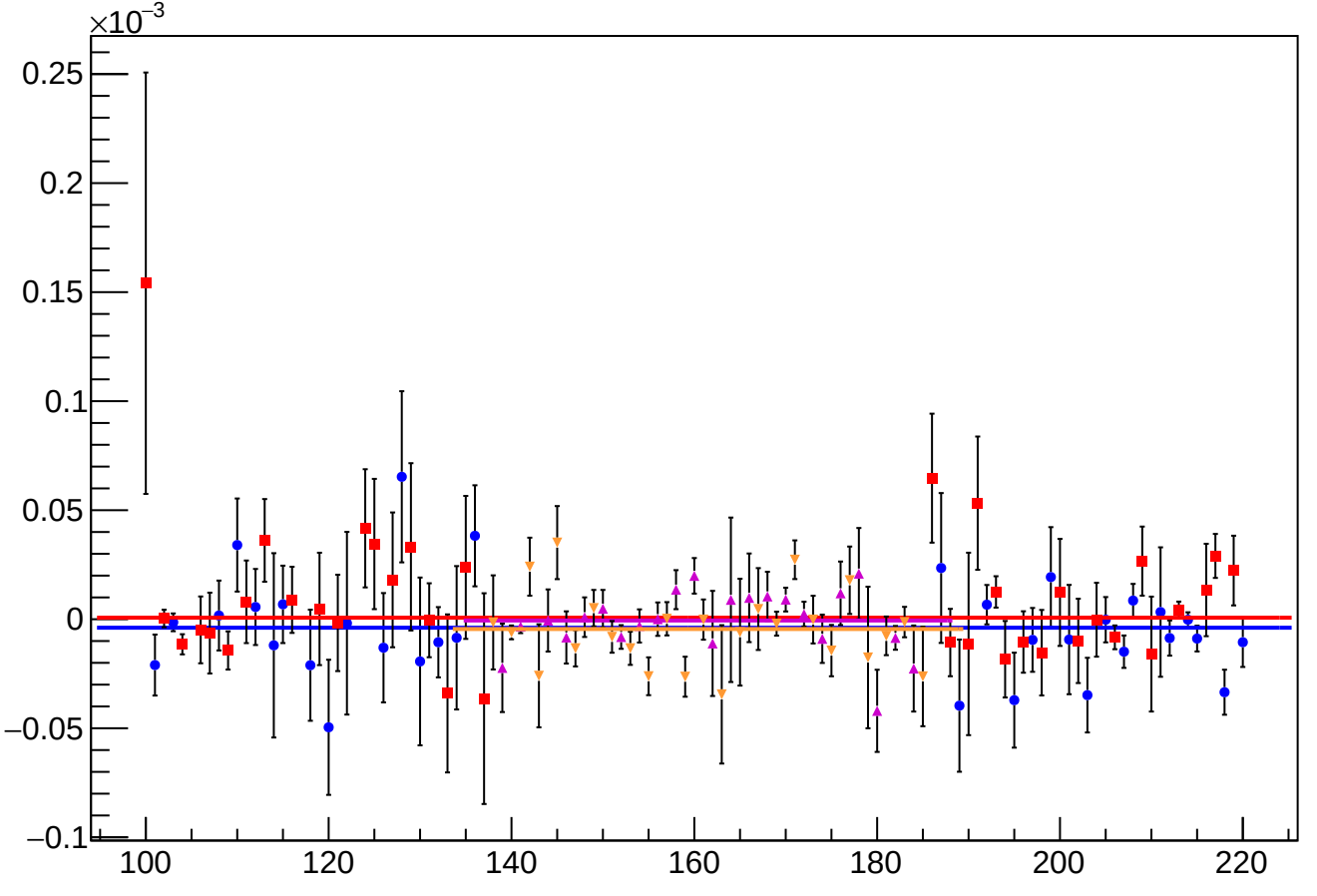
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 187.696+/-0.022 χ^2/NDF: 9095901.0/69

In: 223.393+/-0.027 χ^2/NDF:6870115.1/55

Out: 208.507+/-0.026 χ^2/NDF:11506206.8/61

All: 215.559+/-0.019 χ^2/NDF: 18533385.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 41.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 54.1/36

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

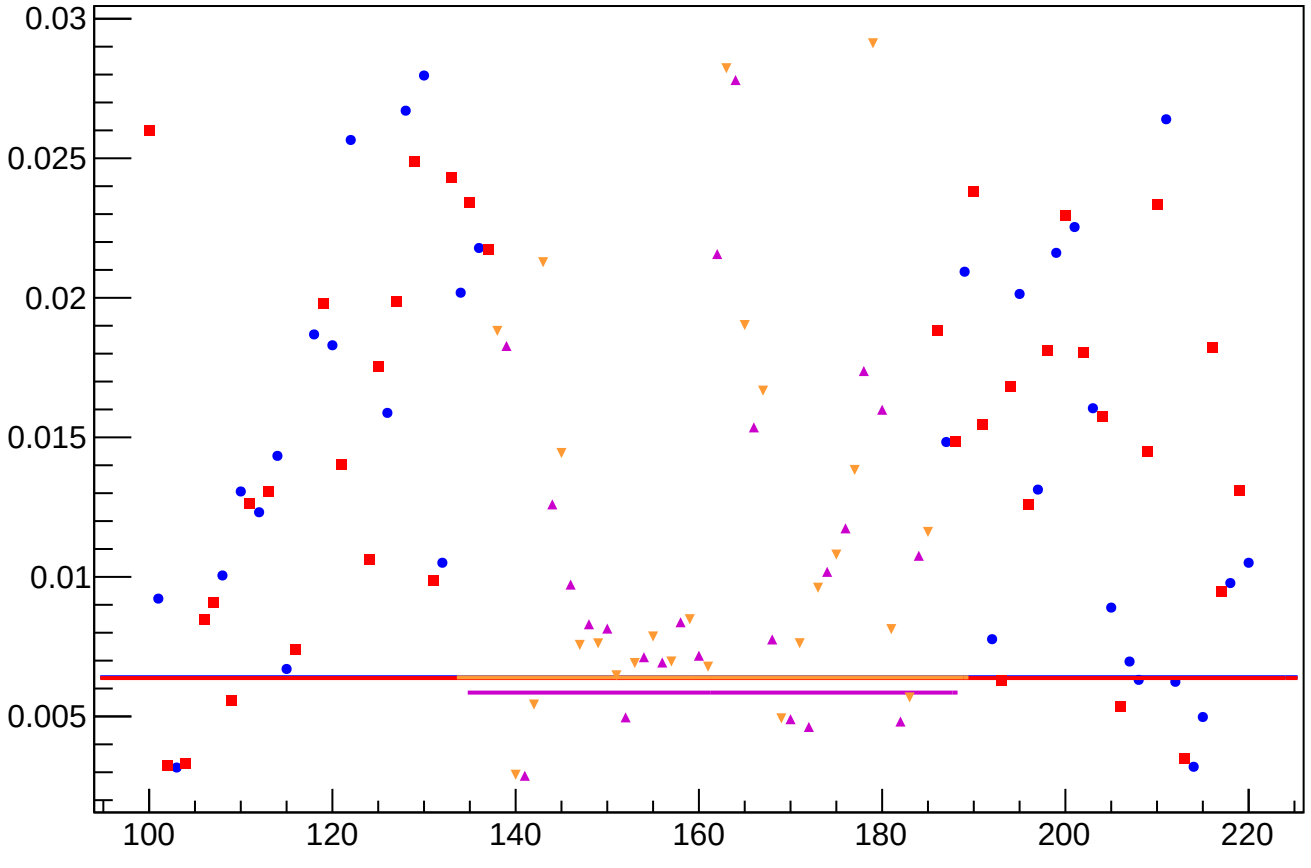
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 98.8/69

In: -0.000+/-0.000 χ^2/NDF:72.3/55

Out: -0.000+/-0.000 χ^2/NDF:104.9/61

All: -0.000+/-0.000 χ^2/NDF: 177.2/117



Right In: 0.006+/-0.000 χ^2/NDF: 13531438.7/32

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 15335328.1/36

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

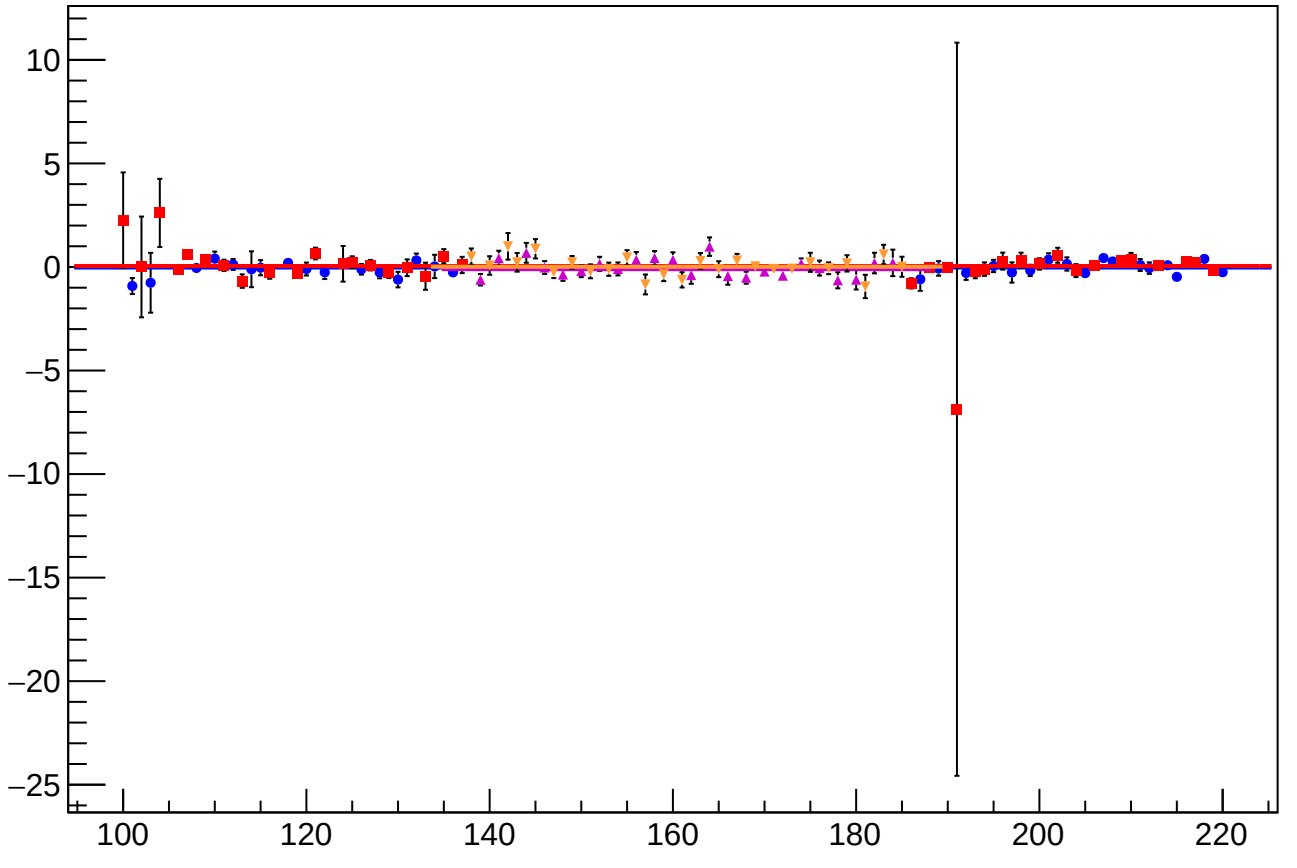
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.006+/-0.000 χ^2/NDF: 28867056.0/69

In: 0.006+/-0.000 χ^2/NDF:21779041.6/55

Out: 0.006+/-0.000 χ^2/NDF:24299804.2/61

All: 0.006+/-0.000 χ^2/NDF: 46132814.3/117



Right In: -0.026+/-0.047 χ^2/NDF: 41.9/32

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

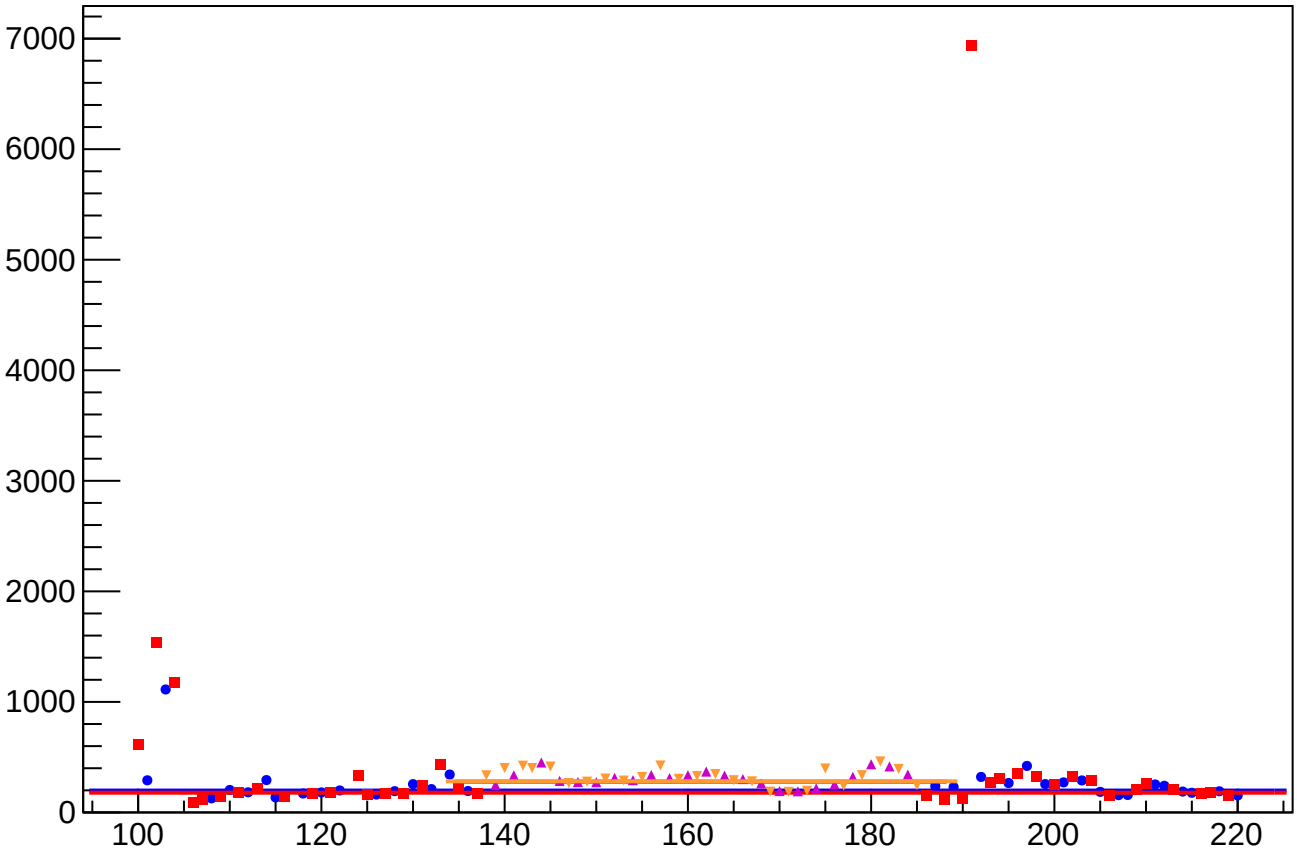
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.013+/-0.032 χ^2/NDF: 94.9/69

In: -0.051+/-0.039 χ^2/NDF:74.2/55

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: -0.005+/-0.027 χ^2/NDF: 154.0/117



Right In: 198.023+/-0.033 χ^2/NDF: 3190747.0/32

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

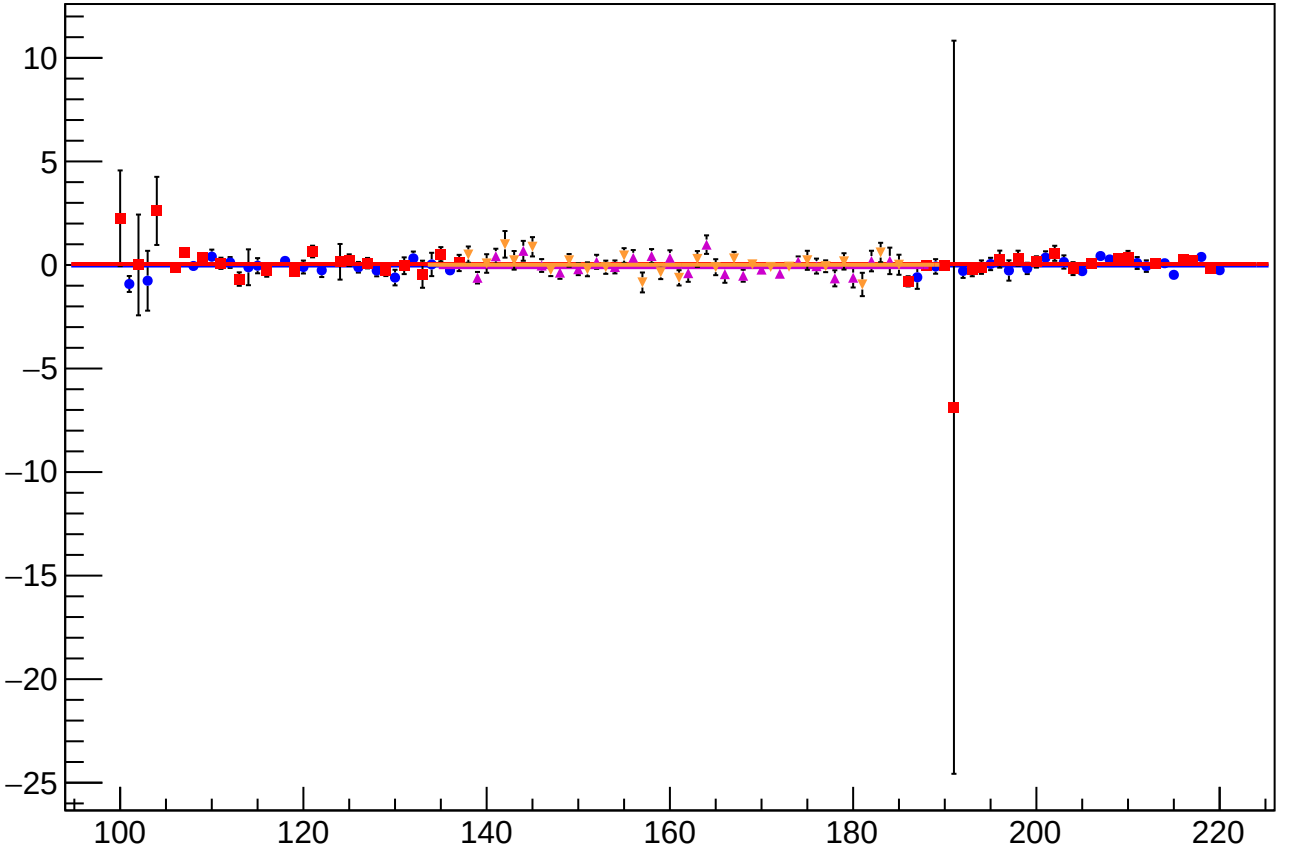
Right: 187.695+/-0.022 χ^2/NDF: 9096112.8/69

In: 223.393+/-0.027 χ^2/NDF:6870281.0/55

Out: 208.505+/-0.026 χ^2/NDF:11506715.1/61

All: 215.558+/-0.019 χ^2/NDF: 18534105.9/11

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.026+/-0.047 χ^2/NDF: 41.9/32

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

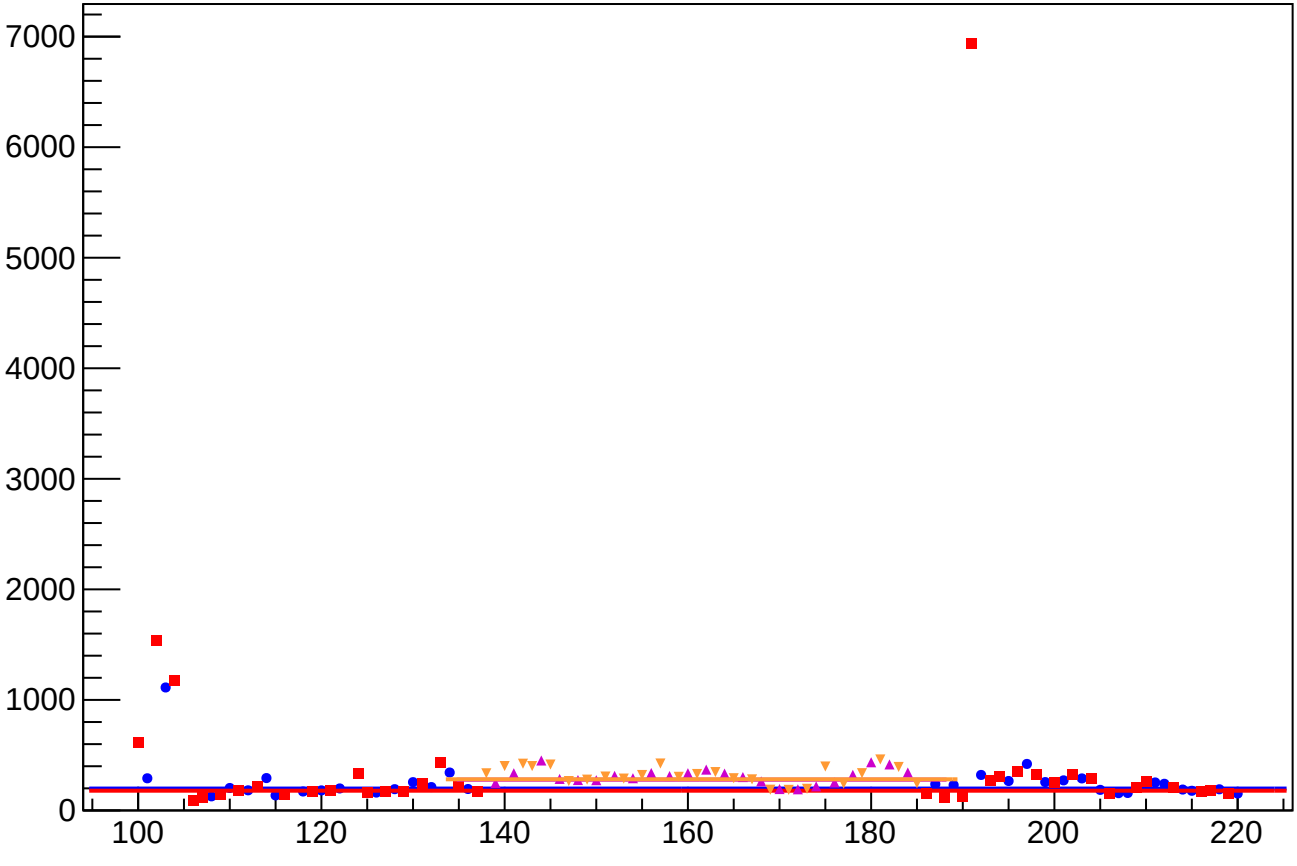
Right: 0.013+/-0.032 χ^2/NDF: 94.9/69

In: -0.051+/-0.039 χ^2/NDF:74.2/55

Out: 0.037+/-0.037 χ^2/NDF:77.1/61

All: -0.005+/-0.027 χ^2/NDF: 154.0/117

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 198.023+/-0.033 χ^2/NDF: 3190747.0/32

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

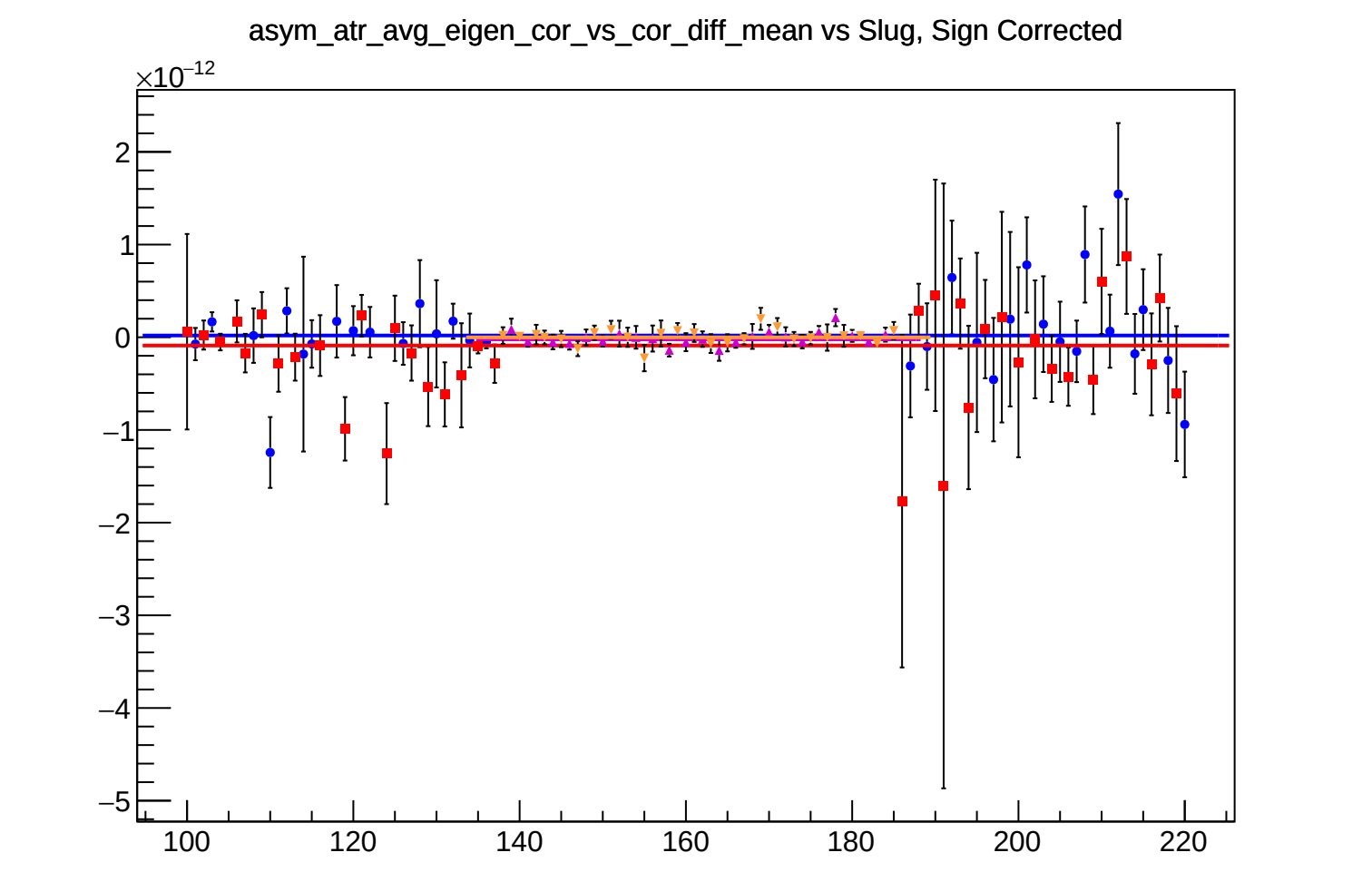
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 187.695+/-0.022 χ^2/NDF: 9096112.8/69

In: 223.393+/-0.027 χ^2/NDF:6870281.0/55

Out: 208.505+/-0.026 χ^2/NDF:11506715.1/61

All: 215.558+/-0.019 χ^2/NDF: 18534105.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/36

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

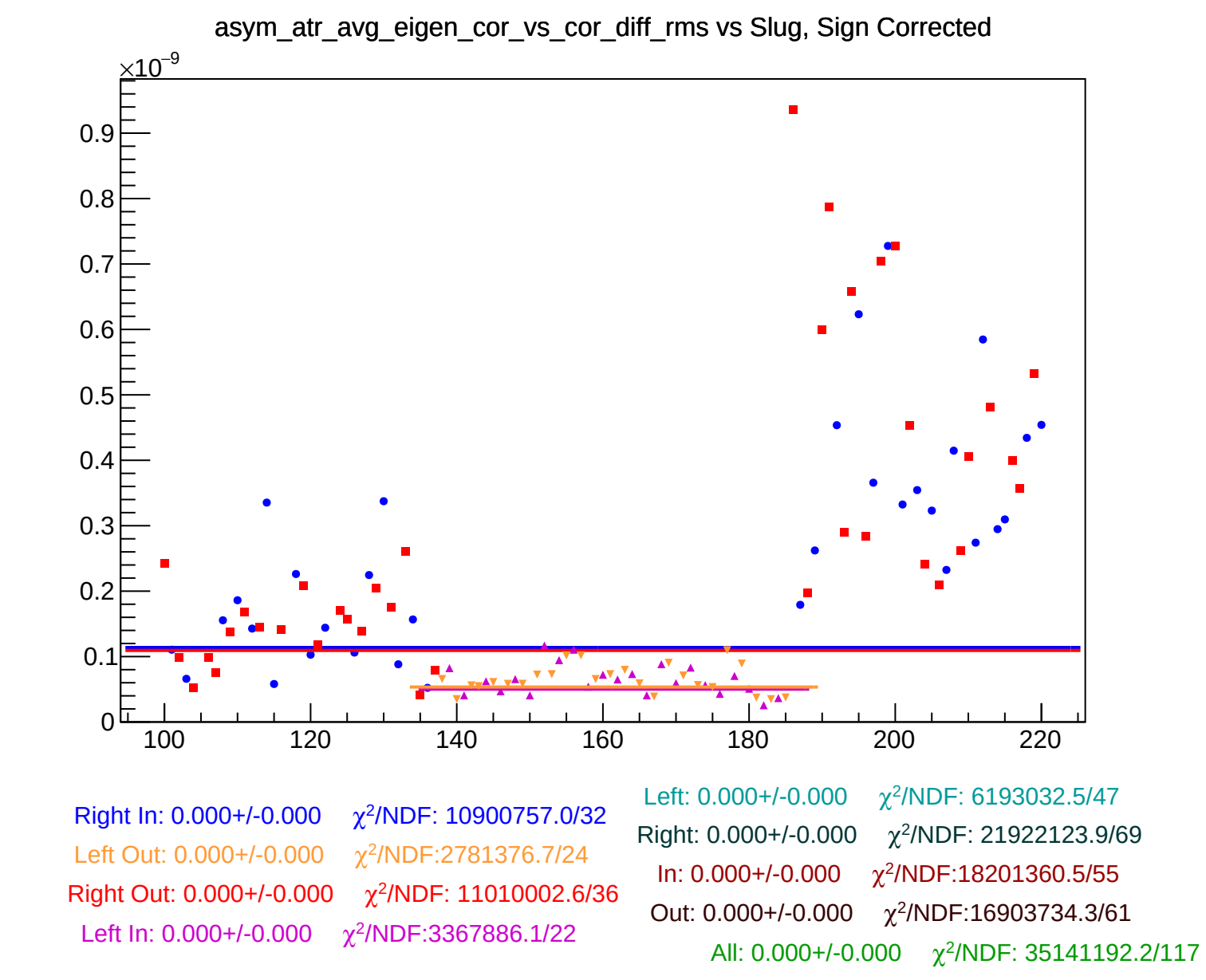
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 71.5/69

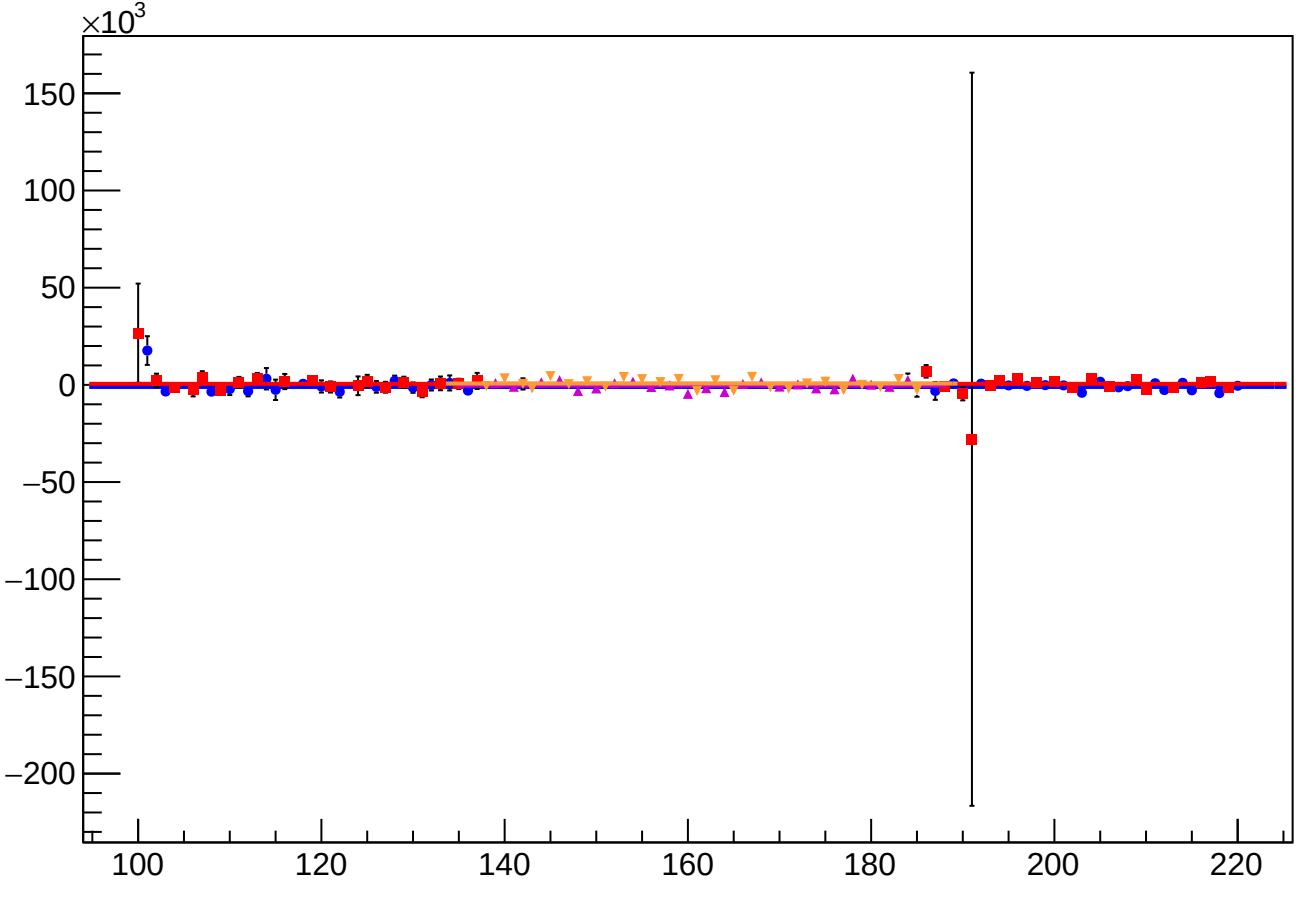
In: -0.000+/-0.000 χ^2/NDF:49.8/55

Out: -0.000+/-0.000 χ^2/NDF:55.3/61

All: -0.000+/-0.000 χ^2/NDF: 105.2/117


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10900757.0/32
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11010002.6/36
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
Left: 0.000+/-0.000 χ²/NDF: 6193032.5/47
Right: 0.000+/-0.000 χ²/NDF: 21922123.9/69
In: 0.000+/-0.000 χ²/NDF:18201360.5/55
Out: 0.000+/-0.000 χ²/NDF:16903734.3/61
All: 0.000+/-0.000 χ²/NDF: 35141192.2/117

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1069.652+/-423.974 χ^2/NDF: 25.0/32

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 532.138+/-421.992 χ^2/NDF: 27.7/36

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

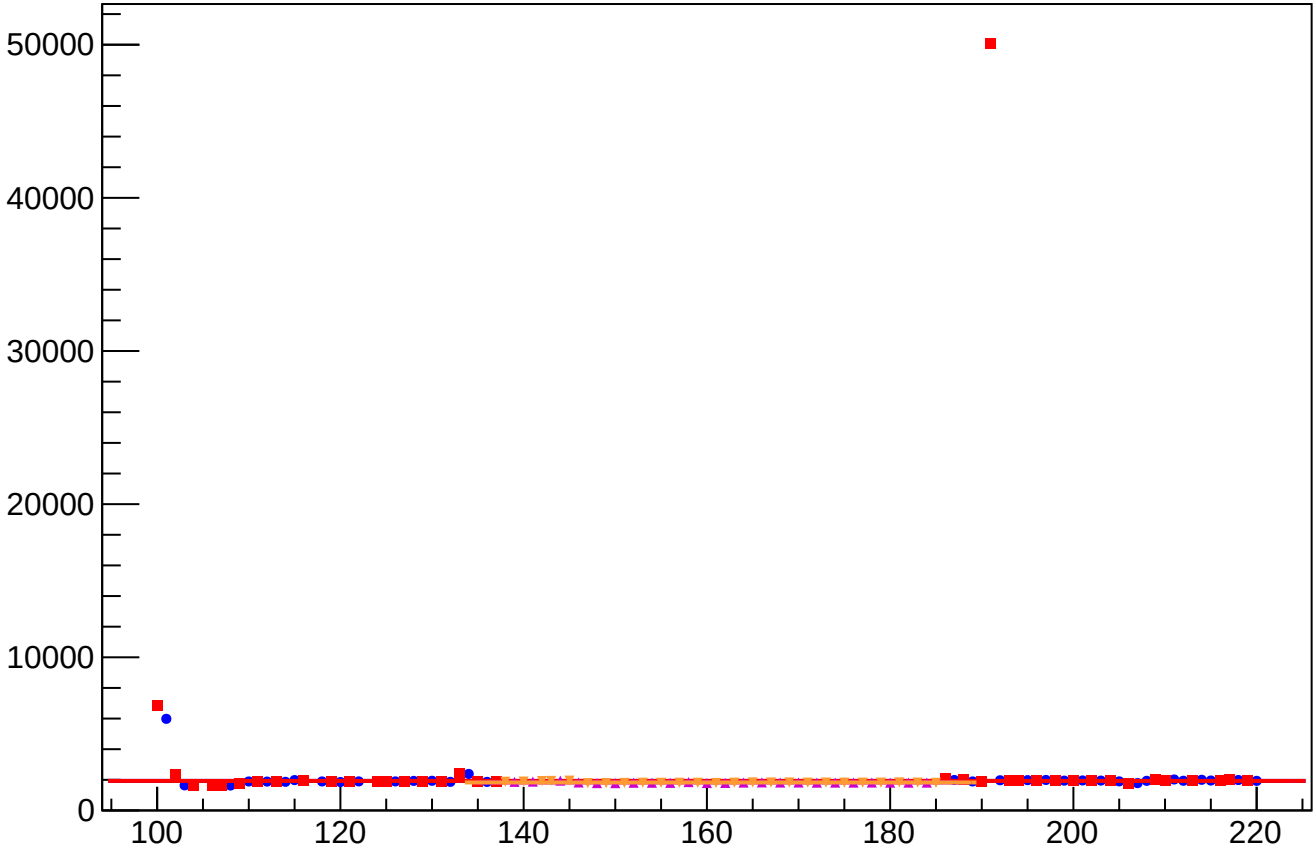
Right: -265.004+/-299.092 χ^2/NDF: 59.8/69

In: -738.155+/-300.584 χ^2/NDF:47.0/55

Out: 620.310+/-296.029 χ^2/NDF:59.7/61

All: -48.552+/-210.916 χ^2/NDF: 117.0/117

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1929.357+/-0.300 χ^2/NDF: 725613.8/32

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1928.749+/-0.298 χ^2/NDF: 395534.2/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

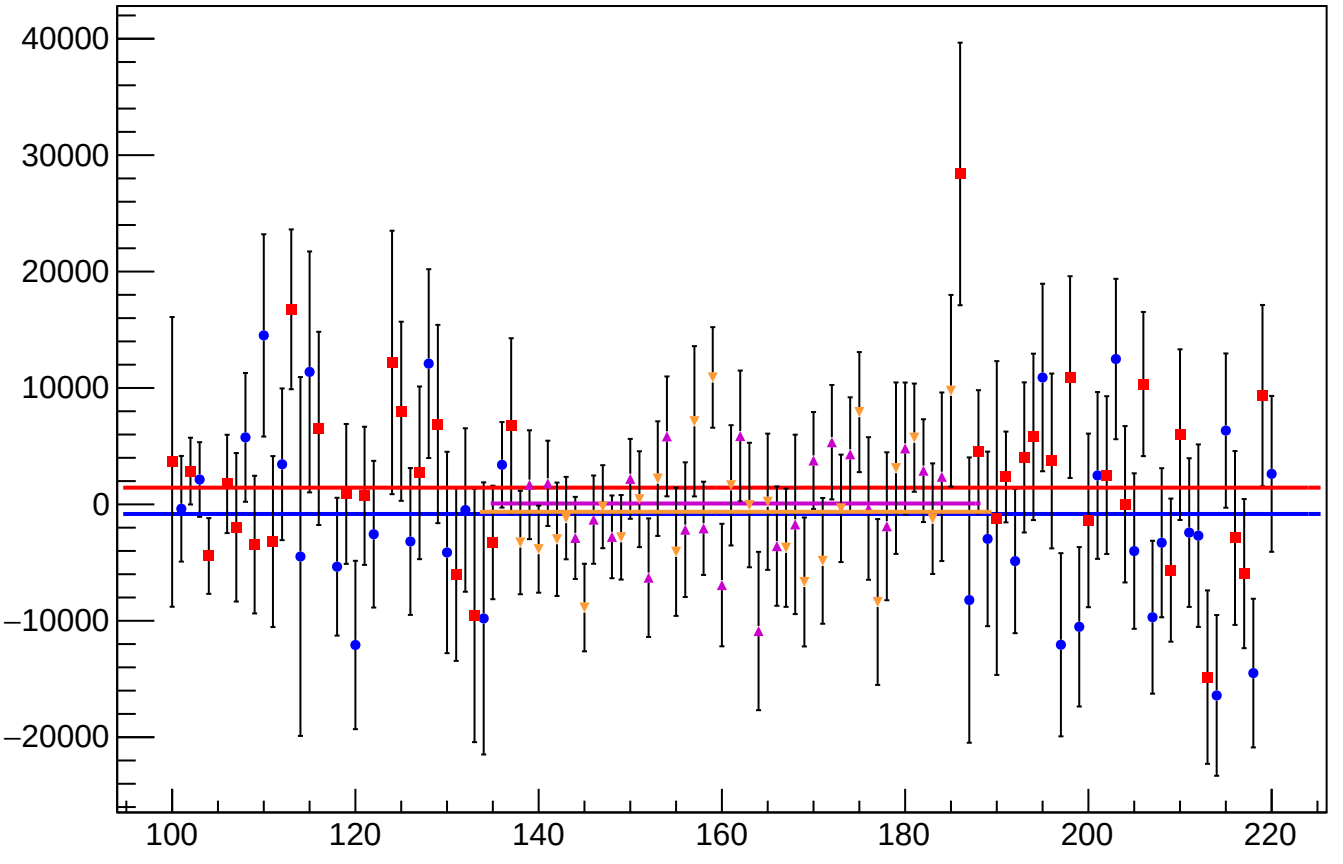
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1929.051+/-0.211 χ^2/NDF: 1121150.1/69

In: 1877.536+/-0.213 χ^2/NDF:799050.1/55

Out: 1877.764+/-0.209 χ^2/NDF:472555.9/61

All: 1877.652+/-0.149 χ^2/NDF: 1271606.6/11



Right In: -823.649+/-1116.398 χ^2/NDF: 39.5/32

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1436.003+/-1007.801 χ^2/NDF: 35.2/36

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

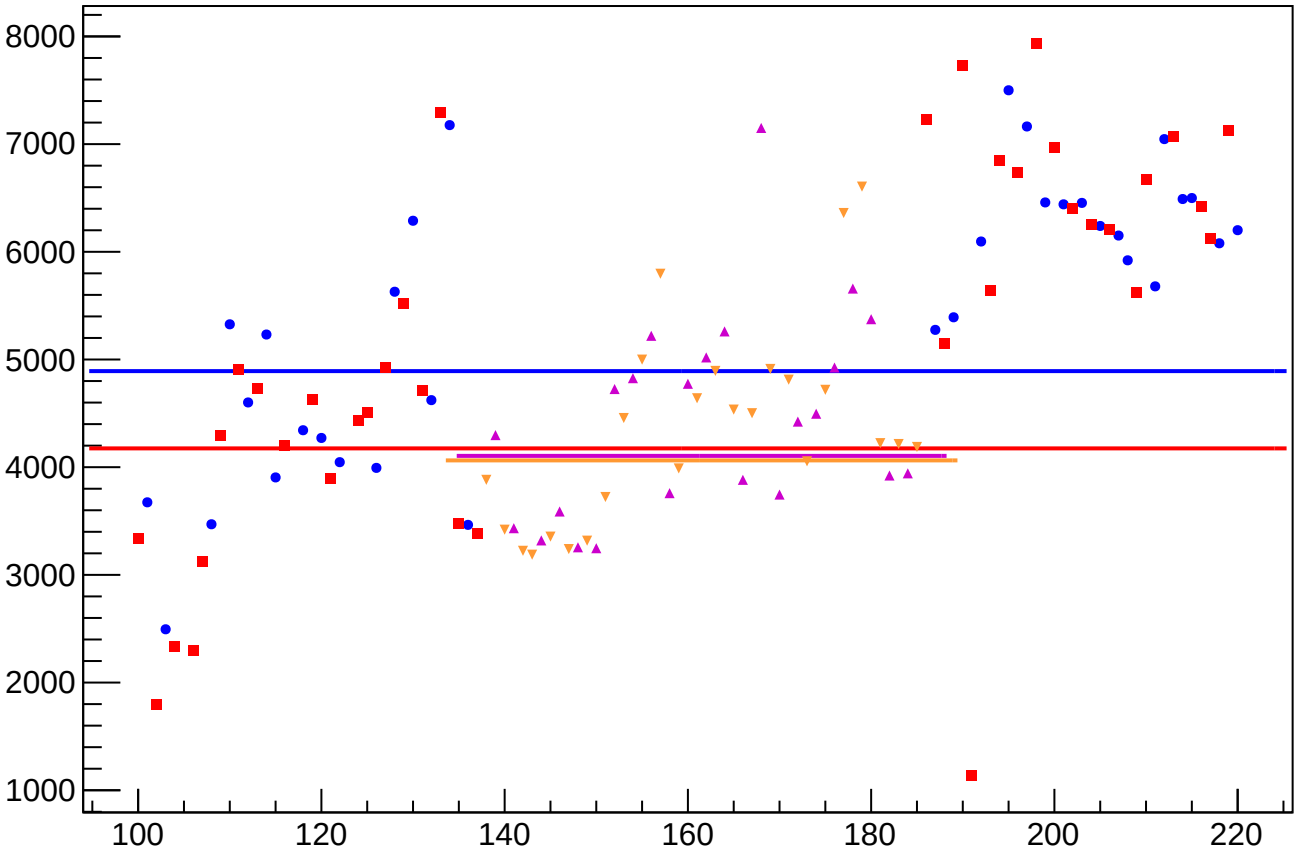
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 421.397+/-748.078 χ^2/NDF: 77.0/69

In: -315.780+/-736.597 χ^2/NDF:55.3/55

Out: 334.567+/-690.073 χ^2/NDF:63.5/61

All: 30.579+/-503.600 χ^2/NDF: 119.2/117



Right In: 4892.182+/-0.789 χ^2/NDF: 3501930.0/32

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 4174.551+/-0.713 χ^2/NDF: 7596406.1/36

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

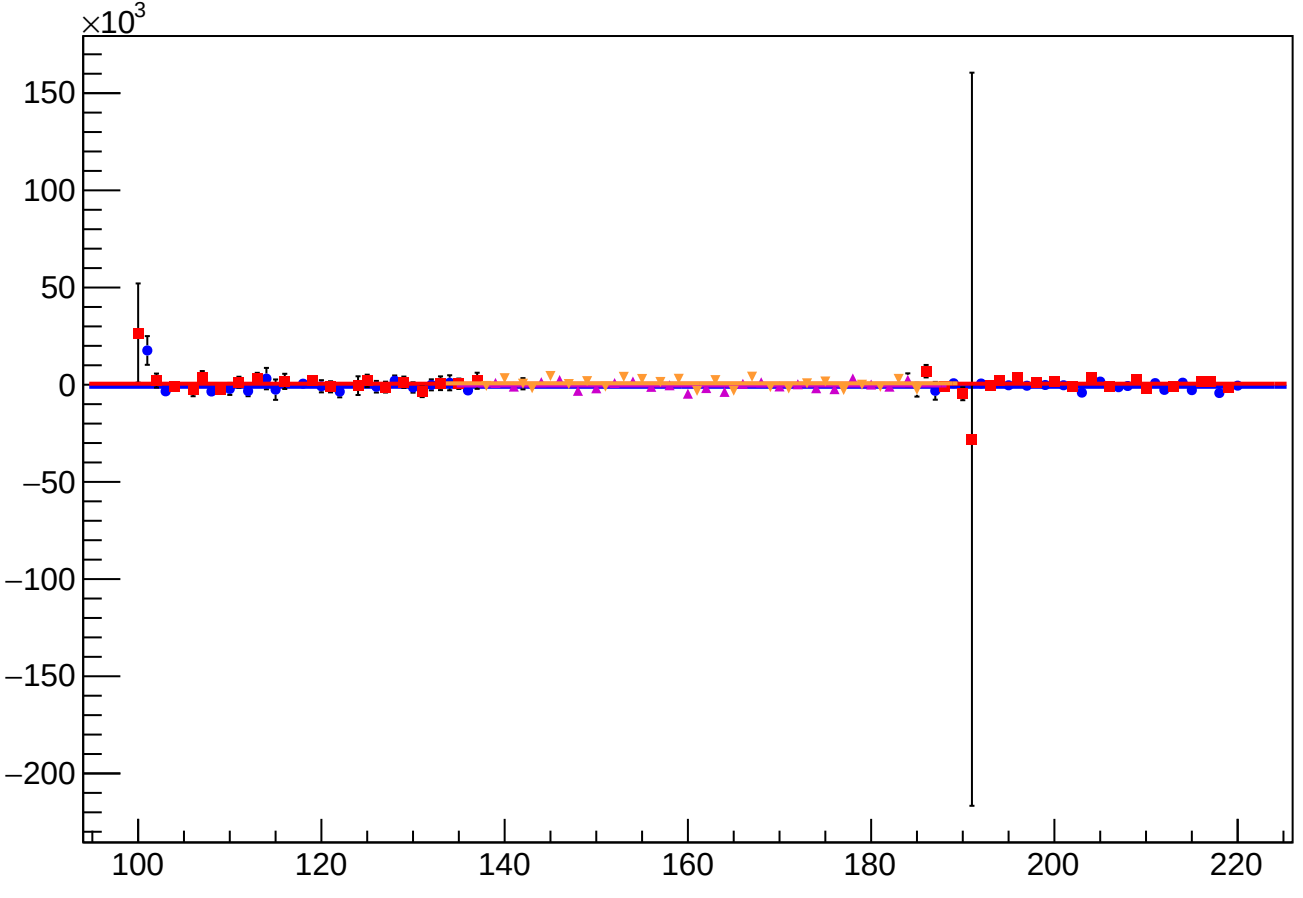
Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

Right: 4496.774+/-0.529 χ^2/NDF: 11553679.3/69

In: 4447.719+/-0.521 χ^2/NDF:5422822.2/55

Out: 4115.359+/-0.488 χ^2/NDF:9014432.0/61

All: 4270.712+/-0.356 χ^2/NDF: 14654109.2/



Right In: -1069.856+/-423.974 χ^2/NDF: 25.0/32

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 528.527+/-422.197 χ^2/NDF: 27.6/36

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

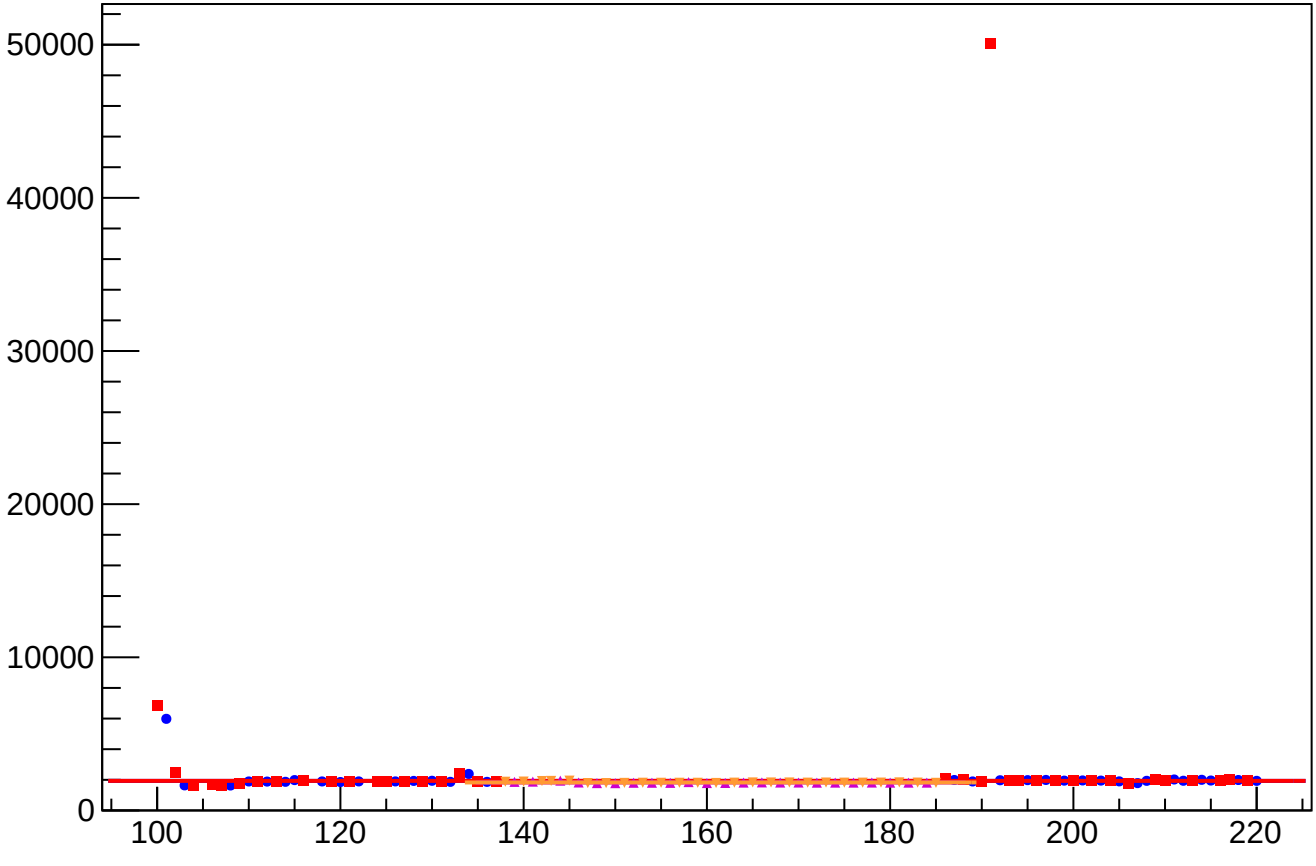
Right: -267.308+/-299.165 χ^2/NDF: 59.7/69

In: -738.176+/-300.584 χ^2/NDF:46.9/55

Out: 618.606+/-296.100 χ^2/NDF:59.6/61

All: -49.590+/-210.942 χ^2/NDF: 116.9/117

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1929.357+/-0.300 χ^2/NDF: 725613.9/32

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

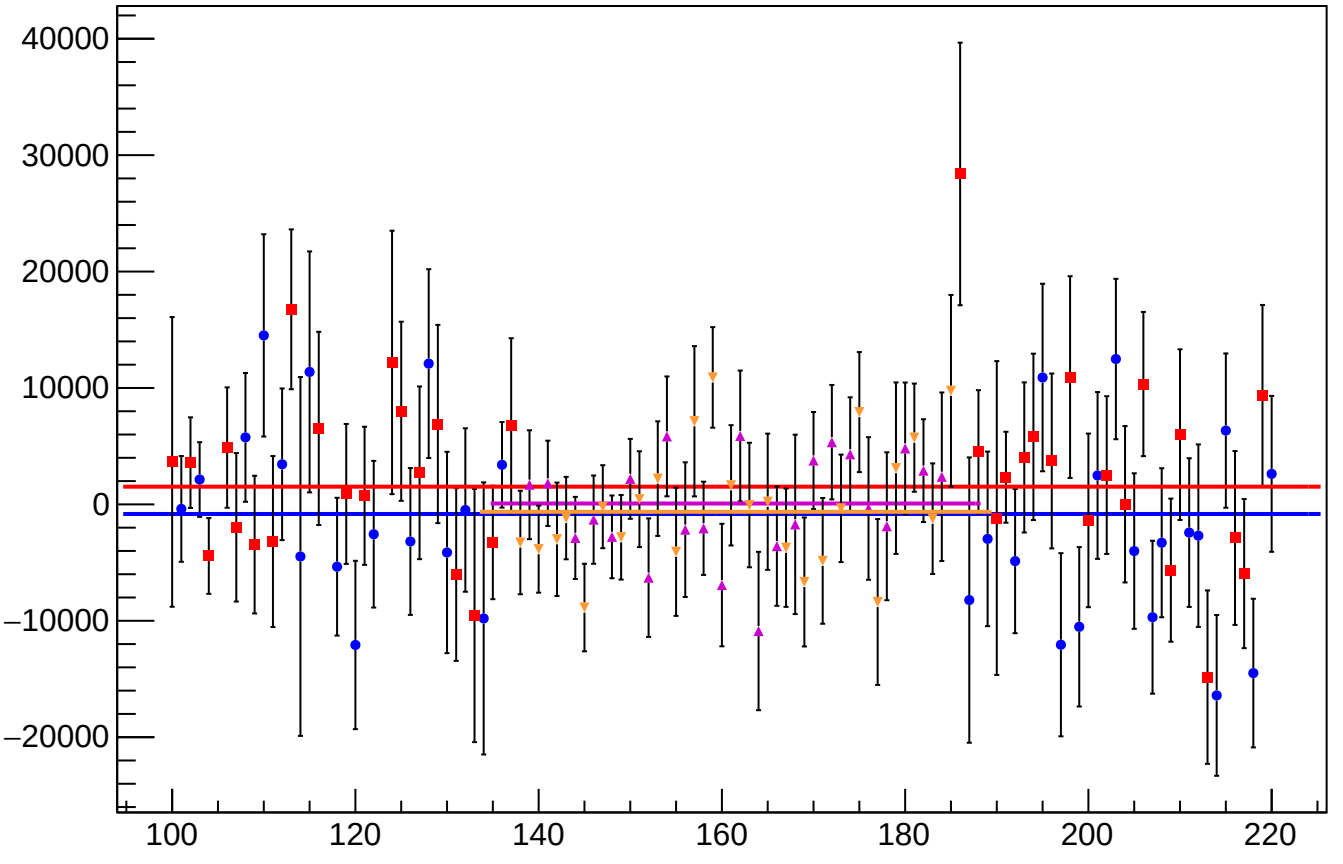
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1930.339+/-0.211 χ^2/NDF: 1127126.4/69

In: 1877.536+/-0.213 χ^2/NDF:799050.2/55

Out: 1878.968+/-0.209 χ^2/NDF:481421.7/61

All: 1878.263+/-0.149 χ^2/NDF: 1280495.0/11



Right In: -824.630+/-1116.472 χ^2/NDF: 39.5/32

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1521.836+/-1048.220 χ^2/NDF: 35.7/36

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

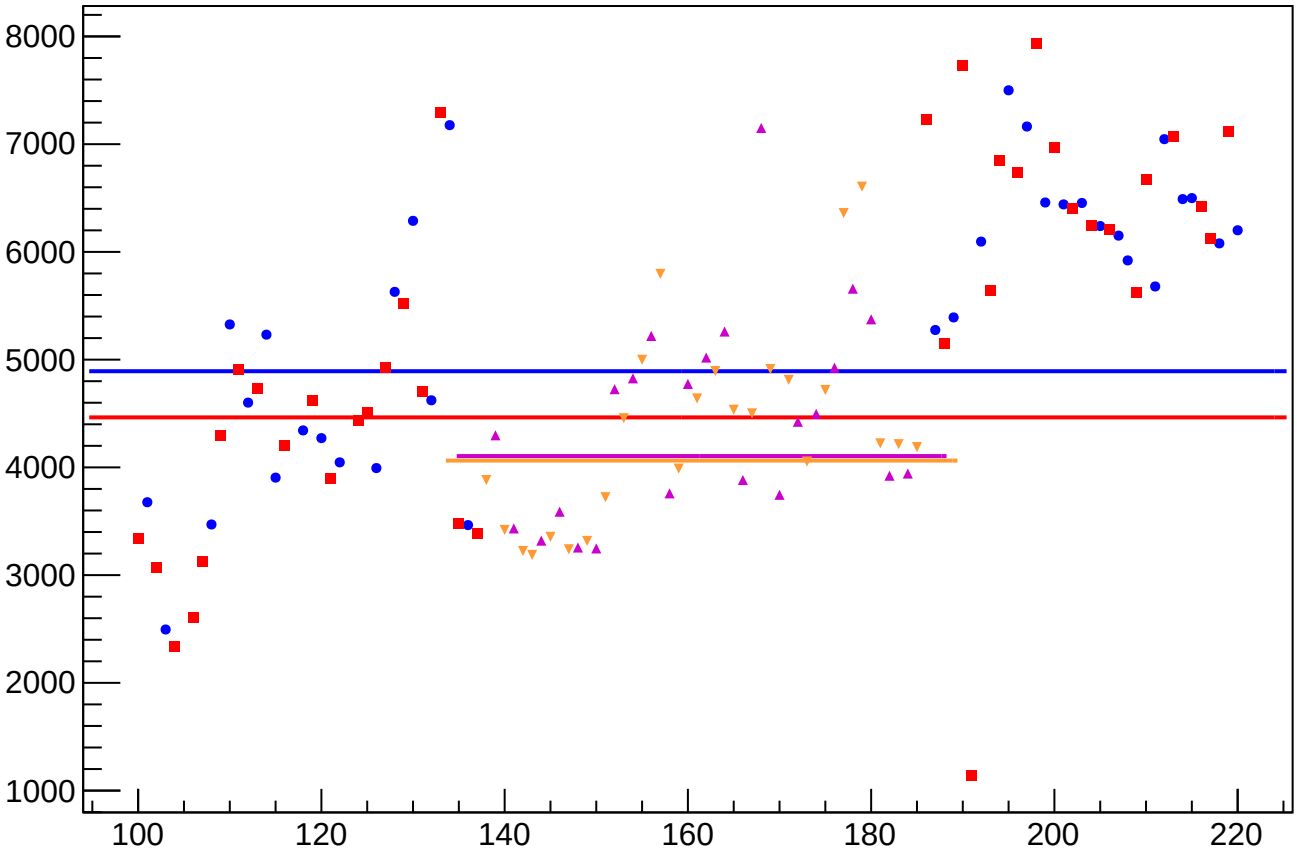
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 422.513+/-764.194 χ^2/NDF: 77.6/69

In: -316.163+/-736.617 χ^2/NDF:55.3/55

Out: 332.631+/-702.643 χ^2/NDF:64.0/61

All: 23.541+/-508.430 χ^2/NDF: 119.8/117



Right In: 4892.622+/-0.789 χ^2/NDF: 3500202.9/32

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4463.976+/-0.741 χ^2/NDF: 6014014.6/36

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

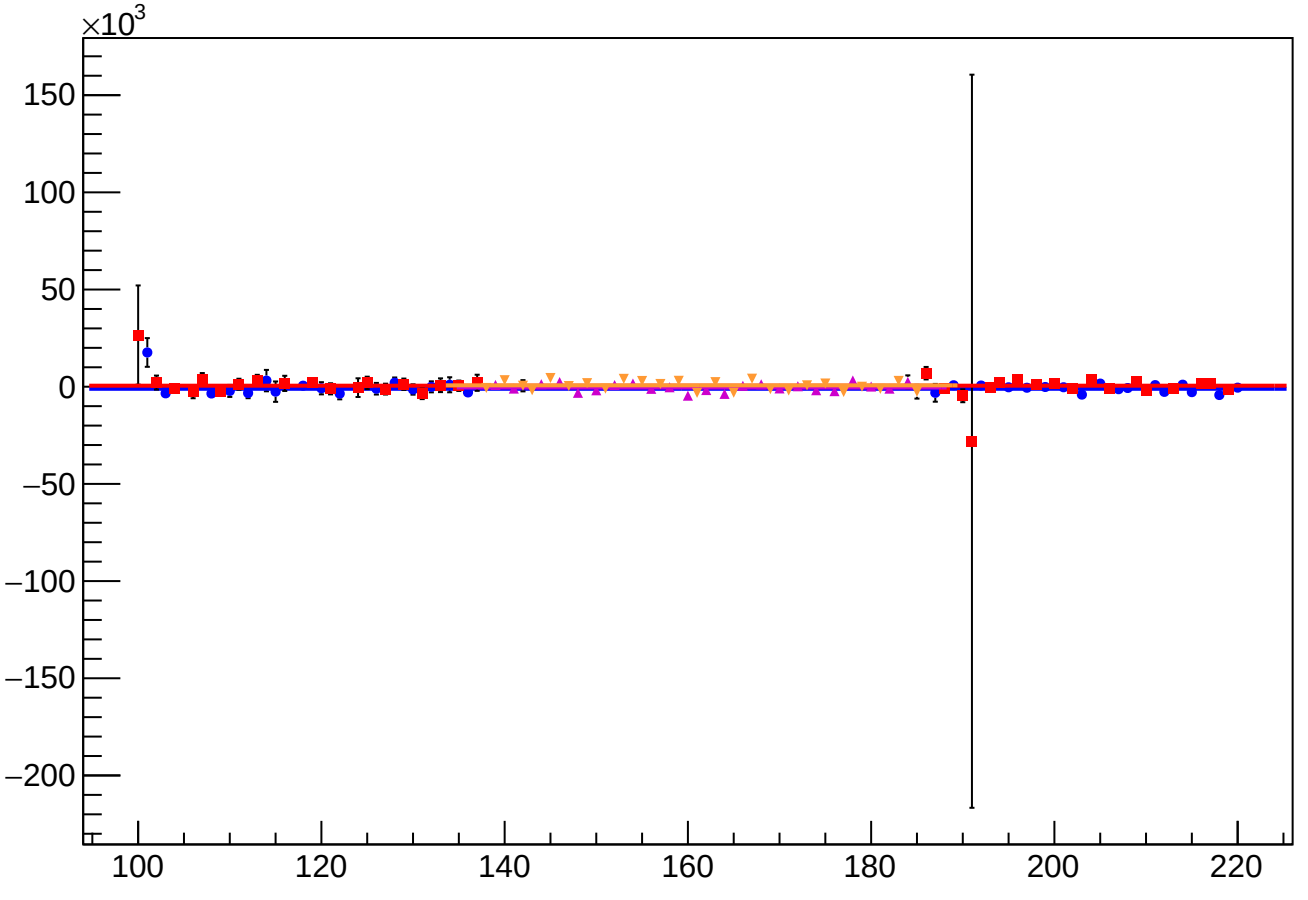
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4664.797+/-0.540 χ^2/NDF: 9670905.3/69

In: 4447.880+/-0.521 χ^2/NDF:5421701.2/55

Out: 4243.228+/-0.497 χ^2/NDF:7580119.1/61

All: 4340.726+/-0.360 χ^2/NDF: 13082649.7/1



Right In: -1069.856+/-423.974 χ^2/NDF: 25.0/32

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 528.527+/-422.197 χ^2/NDF: 27.6/36

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

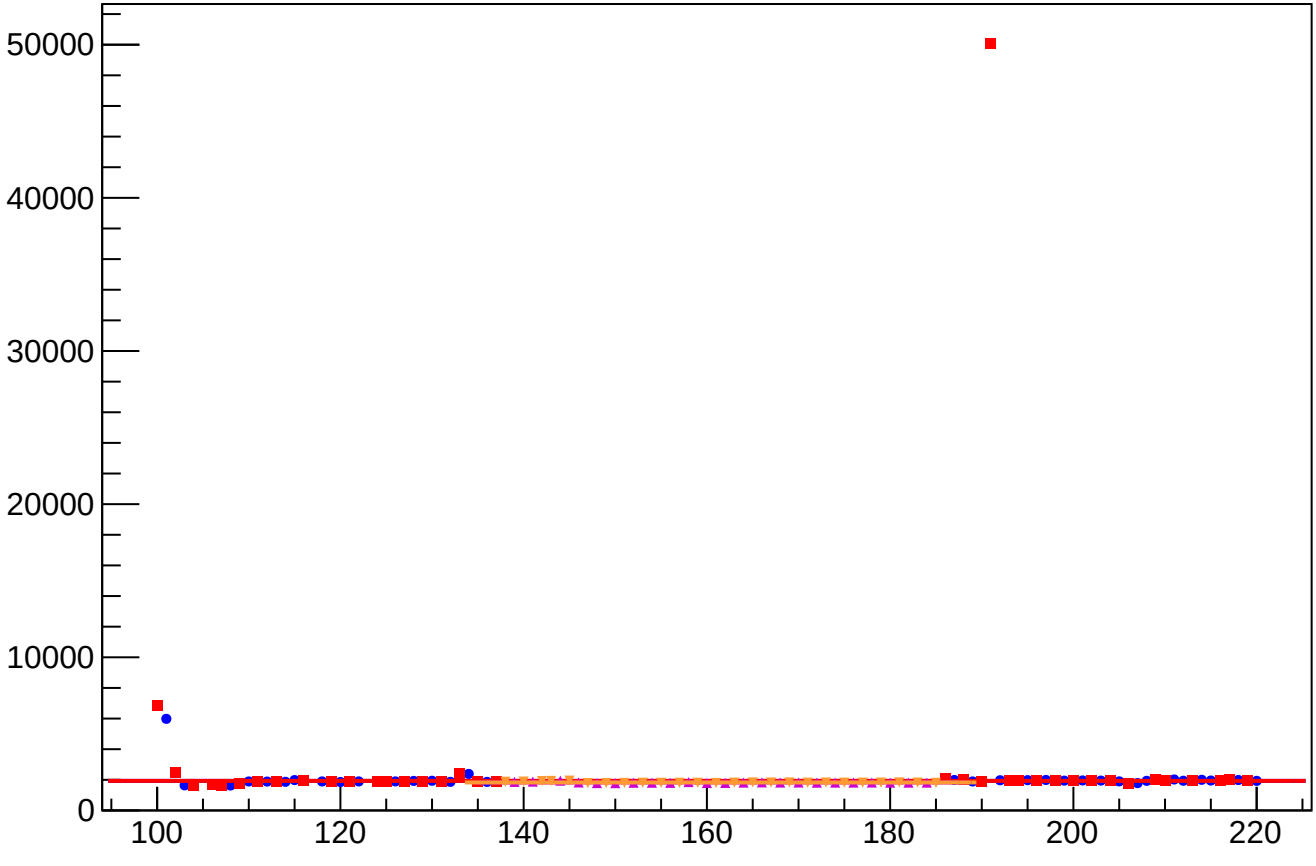
Right: -267.308+/-299.165 χ^2/NDF: 59.7/69

In: -738.176+/-300.584 χ^2/NDF:46.9/55

Out: 618.606+/-296.100 χ^2/NDF:59.6/61

All: -49.590+/-210.942 χ^2/NDF: 116.9/117

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1929.357+/-0.300 χ^2/NDF: 725613.9/32

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

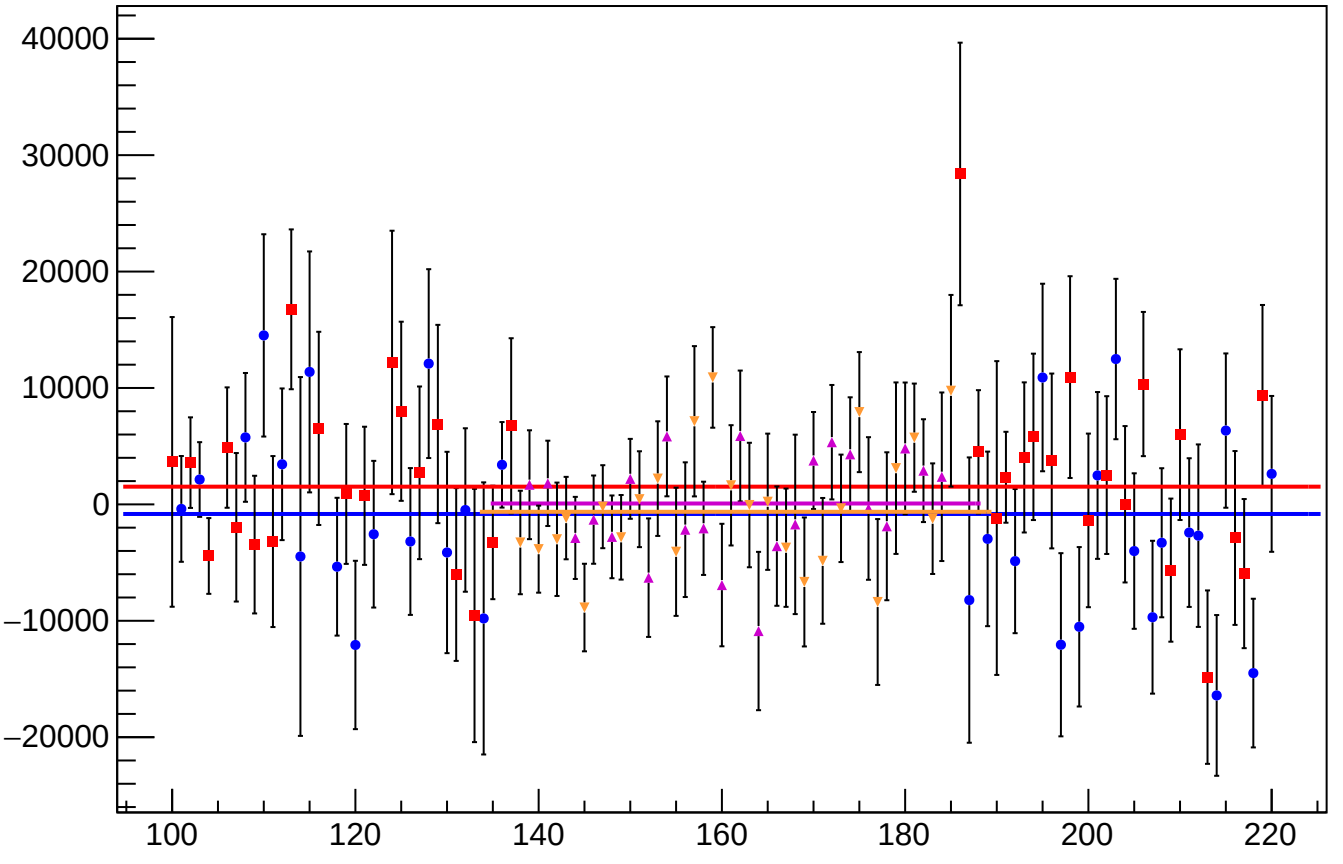
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1930.339+/-0.211 χ^2/NDF: 1127126.4/69

In: 1877.536+/-0.213 χ^2/NDF:799050.2/55

Out: 1878.968+/-0.209 χ^2/NDF:481421.7/61

All: 1878.263+/-0.149 χ^2/NDF: 1280495.0/11



Right In: -824.630+/-1116.472 χ^2/NDF: 39.5/32

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1521.836+/-1048.220 χ^2/NDF: 35.7/36

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

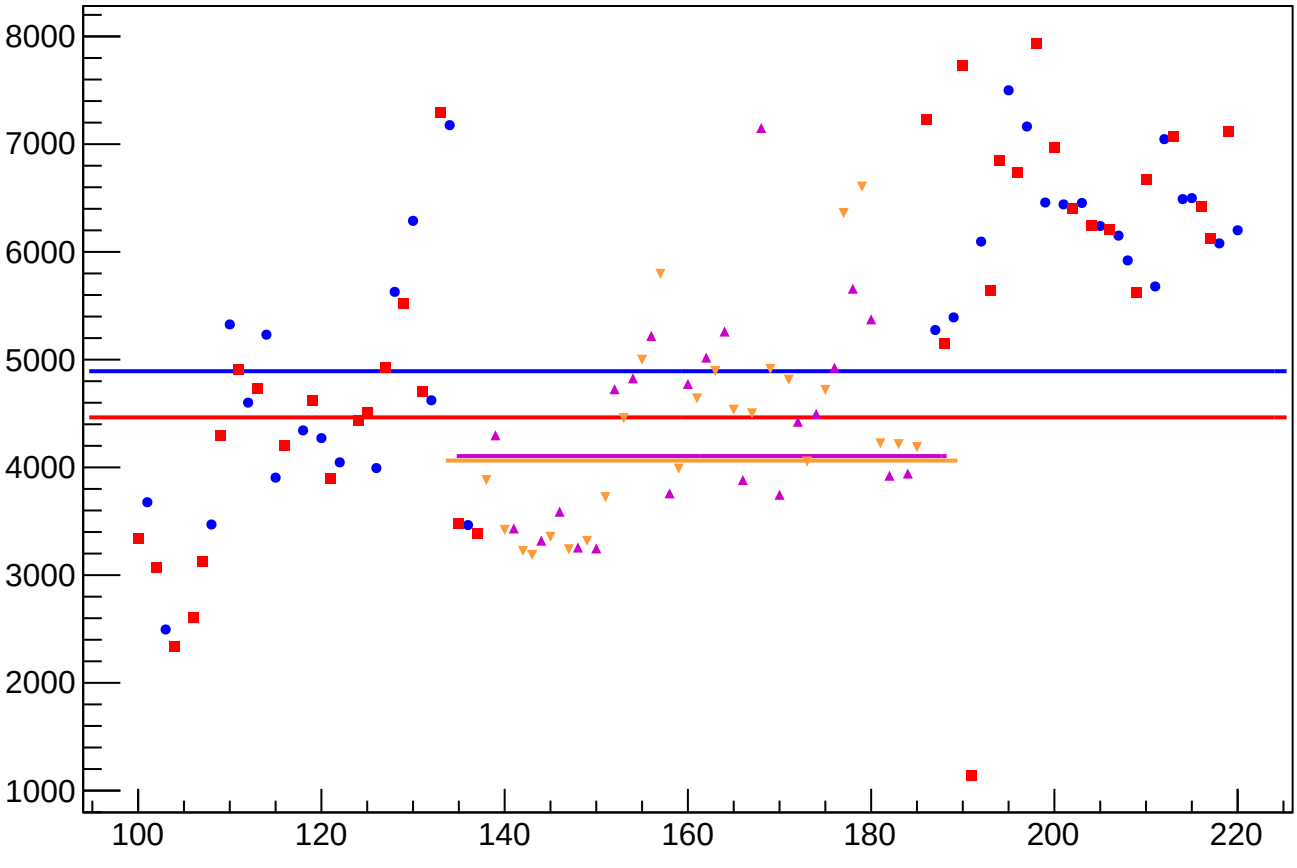
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 422.513+/-764.194 χ^2/NDF: 77.6/69

In: -316.163+/-736.617 χ^2/NDF:55.3/55

Out: 332.631+/-702.643 χ^2/NDF:64.0/61

All: 23.541+/-508.430 χ^2/NDF: 119.8/117



Right In: 4892.622+/-0.789 χ^2/NDF: 3500202.9/32

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4463.976+/-0.741 χ^2/NDF: 6014014.6/36

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

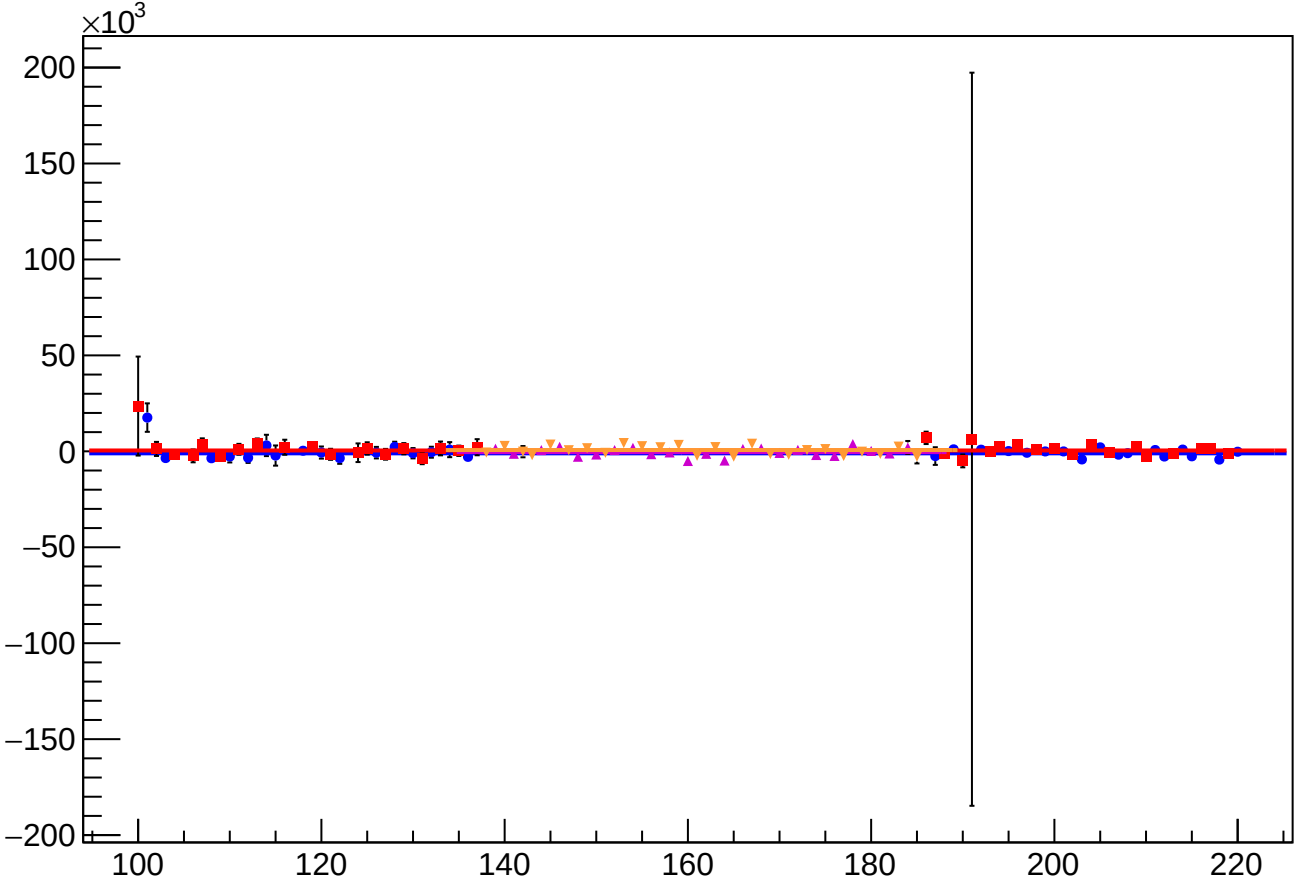
Right: 4664.797+/-0.540 χ^2/NDF: 9670905.3/69

In: 4447.880+/-0.521 χ^2/NDF:5421701.2/55

Out: 4243.228+/-0.497 χ^2/NDF:7580119.1/61

All: 4340.726+/-0.360 χ^2/NDF: 13082649.7/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1050.504+/-427.040 χ^2/NDF: 26.2/32

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 442.698+/-425.671 χ^2/NDF: 29.8/36

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

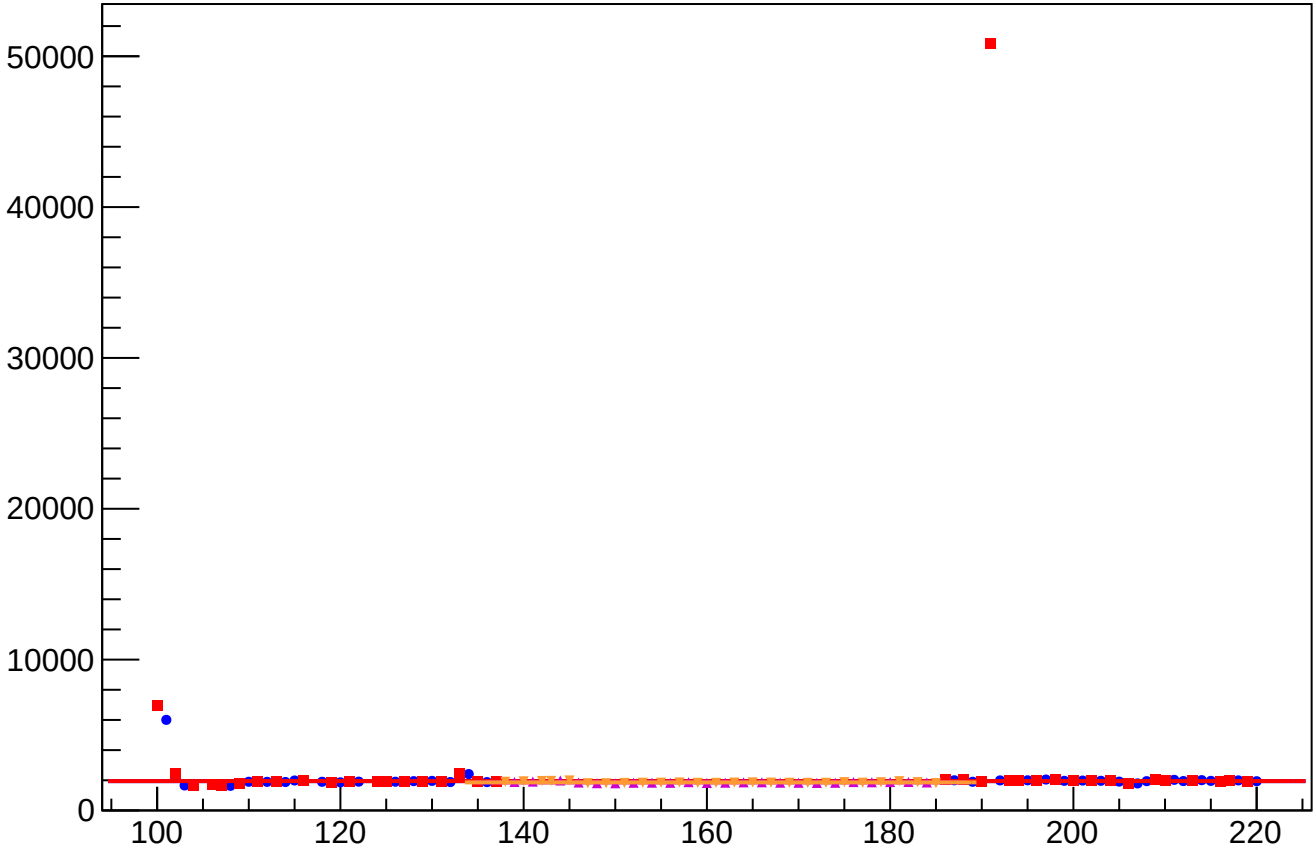
Right: -301.507+/-301.478 χ^2/NDF: 62.2/69

In: -735.751+/-304.344 χ^2/NDF:51.0/55

Out: 550.817+/-300.069 χ^2/NDF:57.0/61

All: -83.366+/-213.676 χ^2/NDF: 117.0/117

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1943.202+/-0.302 χ^2/NDF: 727588.8/32

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.781+/-0.301 χ^2/NDF: 409179.2/36

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

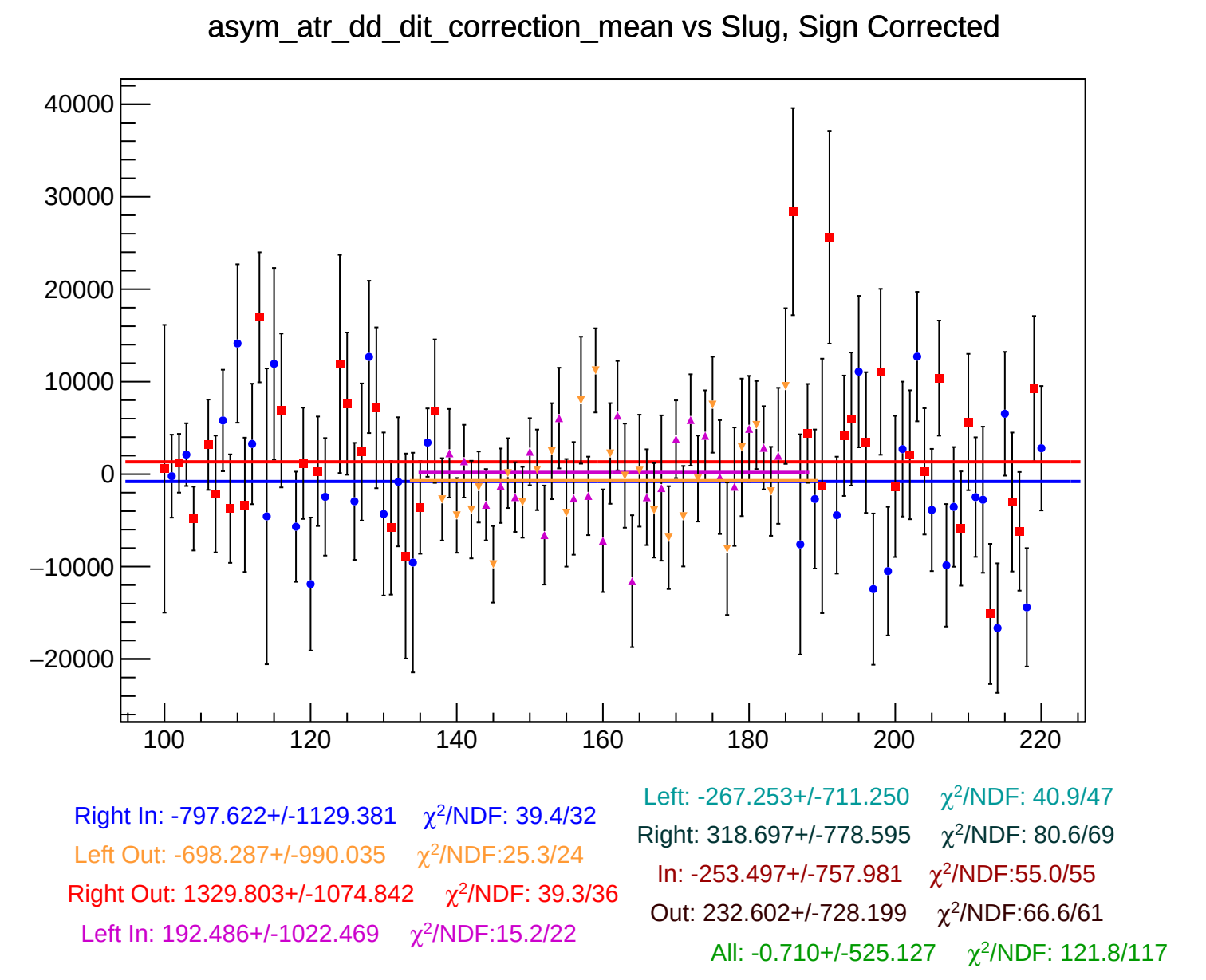
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

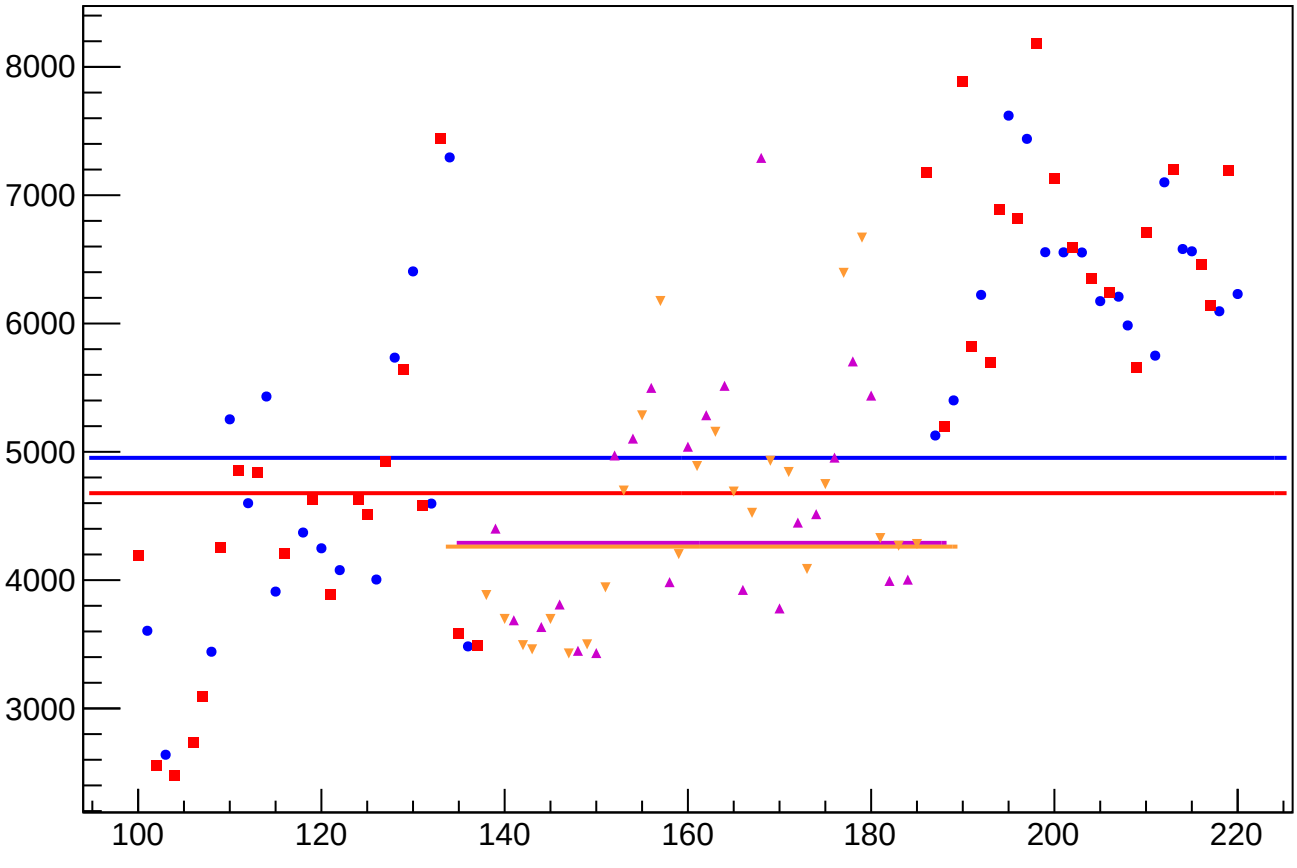
Right: 1944.998+/-0.213 χ^2/NDF: 1136838.5/69

In: 1901.108+/-0.215 χ^2/NDF:783459.2/55

Out: 1904.011+/-0.212 χ^2/NDF:475375.8/61

All: 1902.580+/-0.151 χ^2/NDF: 1258927.2/11


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -797.622+/-1129.381 χ²/NDF: 39.4/32
Left Out: -698.287+/-990.035 χ²/NDF:25.3/24
Right Out: 1329.803+/-1074.842 χ²/NDF: 39.3/36
Left In: 192.486+/-1022.469 χ²/NDF:15.2/22
Left: -267.253+/-711.250 χ²/NDF: 40.9/47
Right: 318.697+/-778.595 χ²/NDF: 80.6/69
In: -253.497+/-757.981 χ²/NDF:55.0/55
Out: 232.602+/-728.199 χ²/NDF:66.6/61
All: -0.710+/-525.127 χ²/NDF: 121.8/117



Right In: 4953.041+/-0.799 χ^2/NDF: 3405597.8/32

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4677.740+/-0.760 χ^2/NDF: 4896075.0/36

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

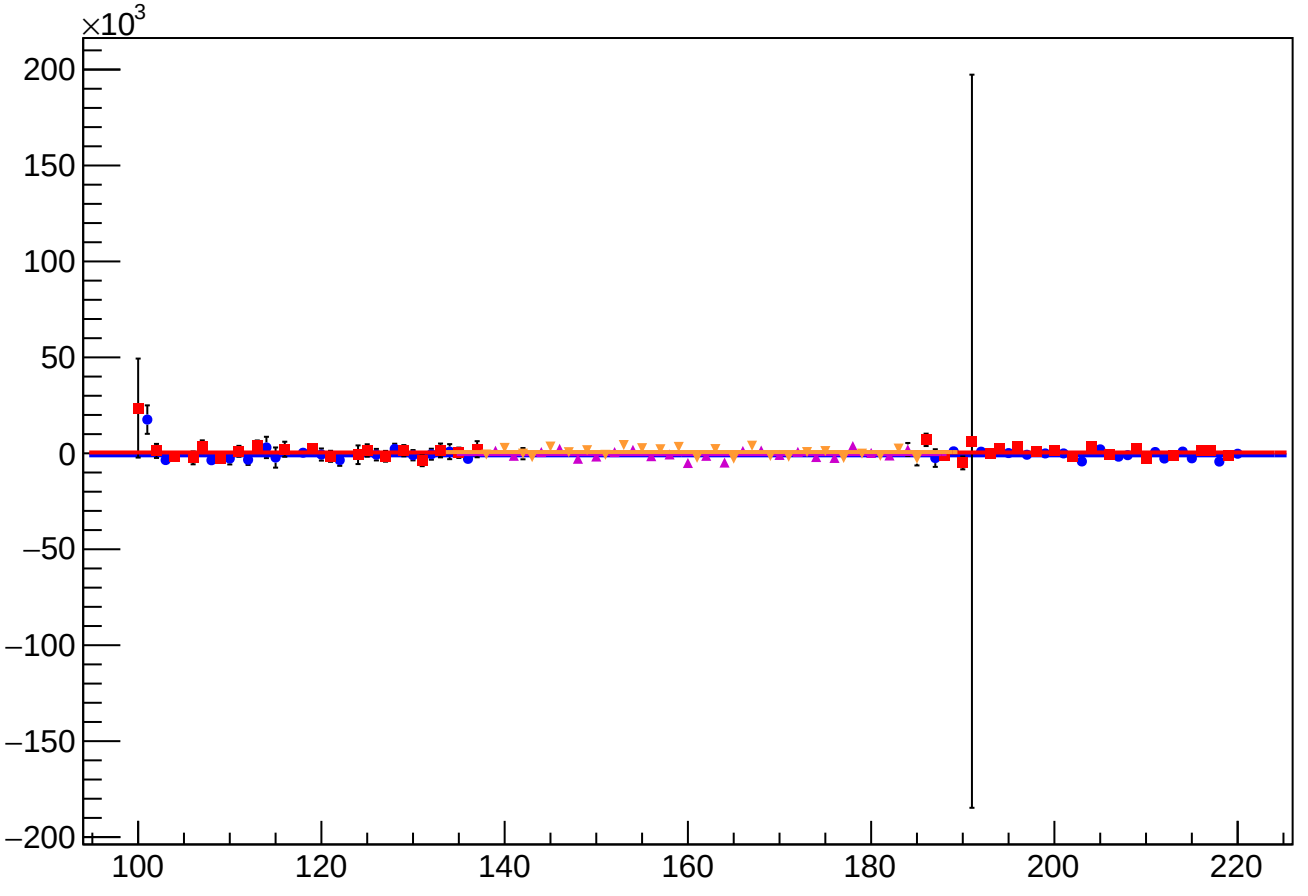
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4808.583+/-0.551 χ^2/NDF: 8364031.8/69

In: 4588.878+/-0.536 χ^2/NDF:4997939.8/55

Out: 4452.350+/-0.515 χ^2/NDF:6249195.8/61

All: 4517.879+/-0.371 χ^2/NDF: 11280879.1/1



Right In: -1050.499+/-427.040 χ^2/NDF: 26.2/32

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 442.694+/-425.671 χ^2/NDF: 29.8/36

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

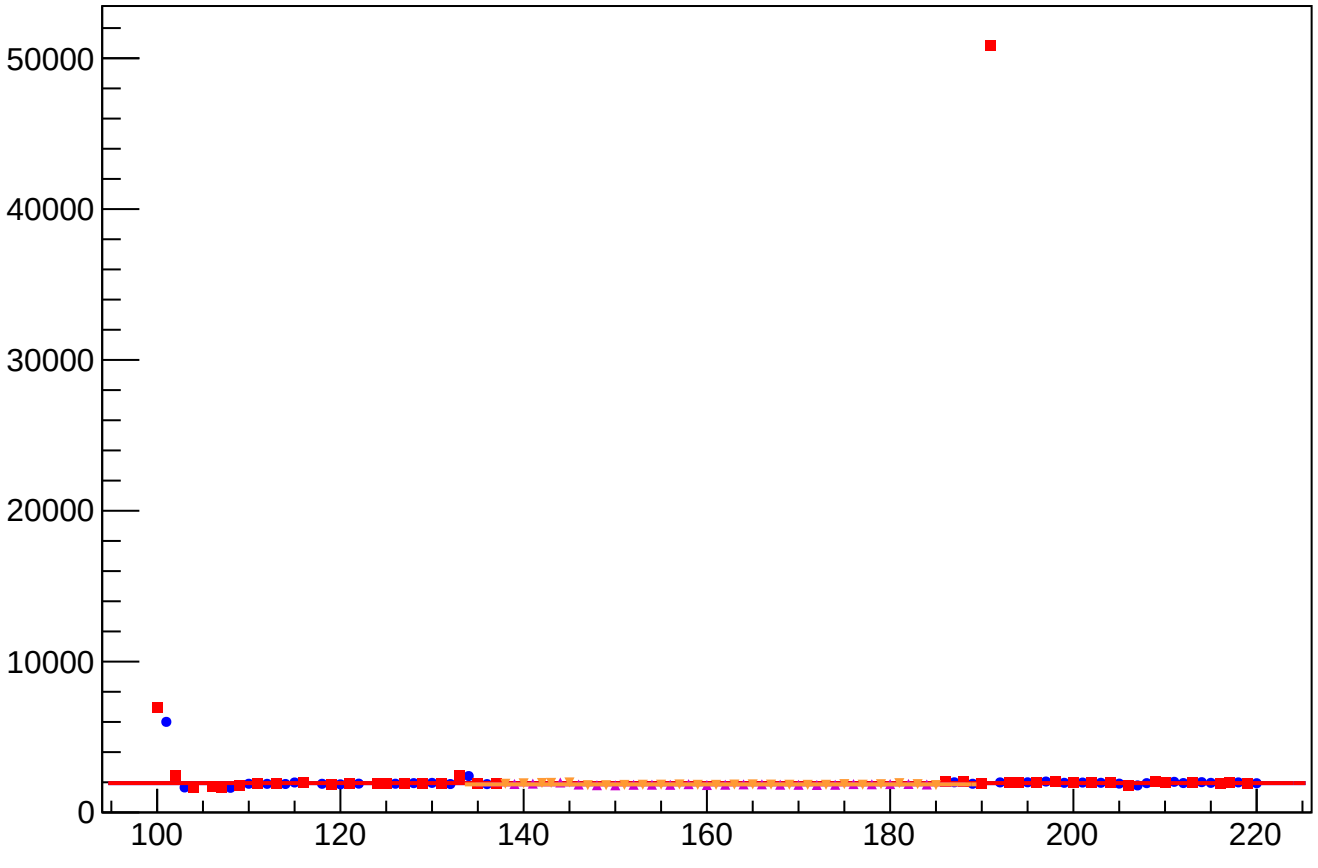
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -301.506+/-301.478 χ^2/NDF: 62.2/69

In: -735.748+/-304.344 χ^2/NDF:51.0/55

Out: 550.818+/-300.069 χ^2/NDF:57.0/61

All: -83.364+/-213.676 χ^2/NDF: 117.0/117



Right In: 1943.202+/-0.302 χ^2/NDF: 727588.7/32

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.781+/-0.301 χ^2/NDF: 409179.4/36

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

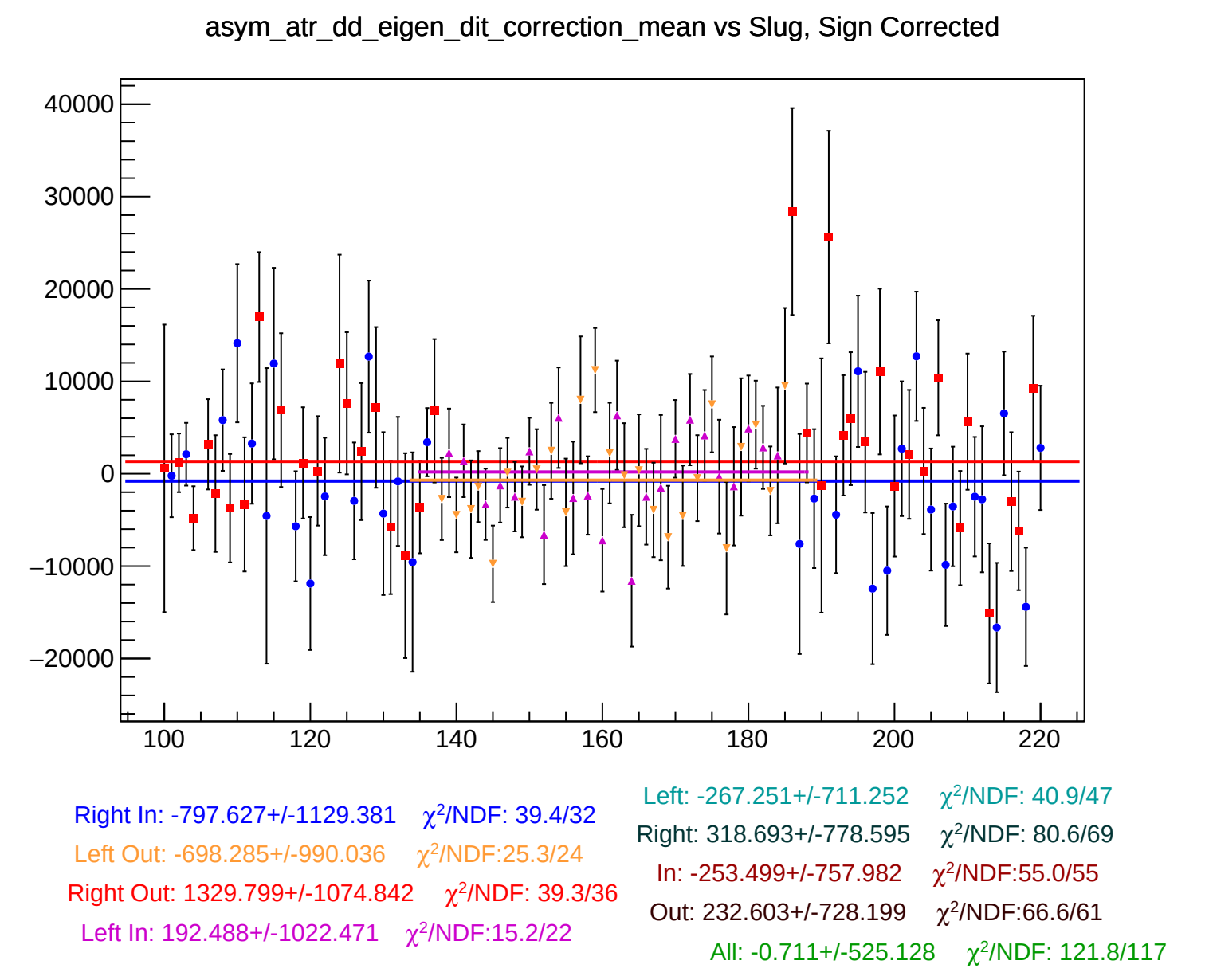
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

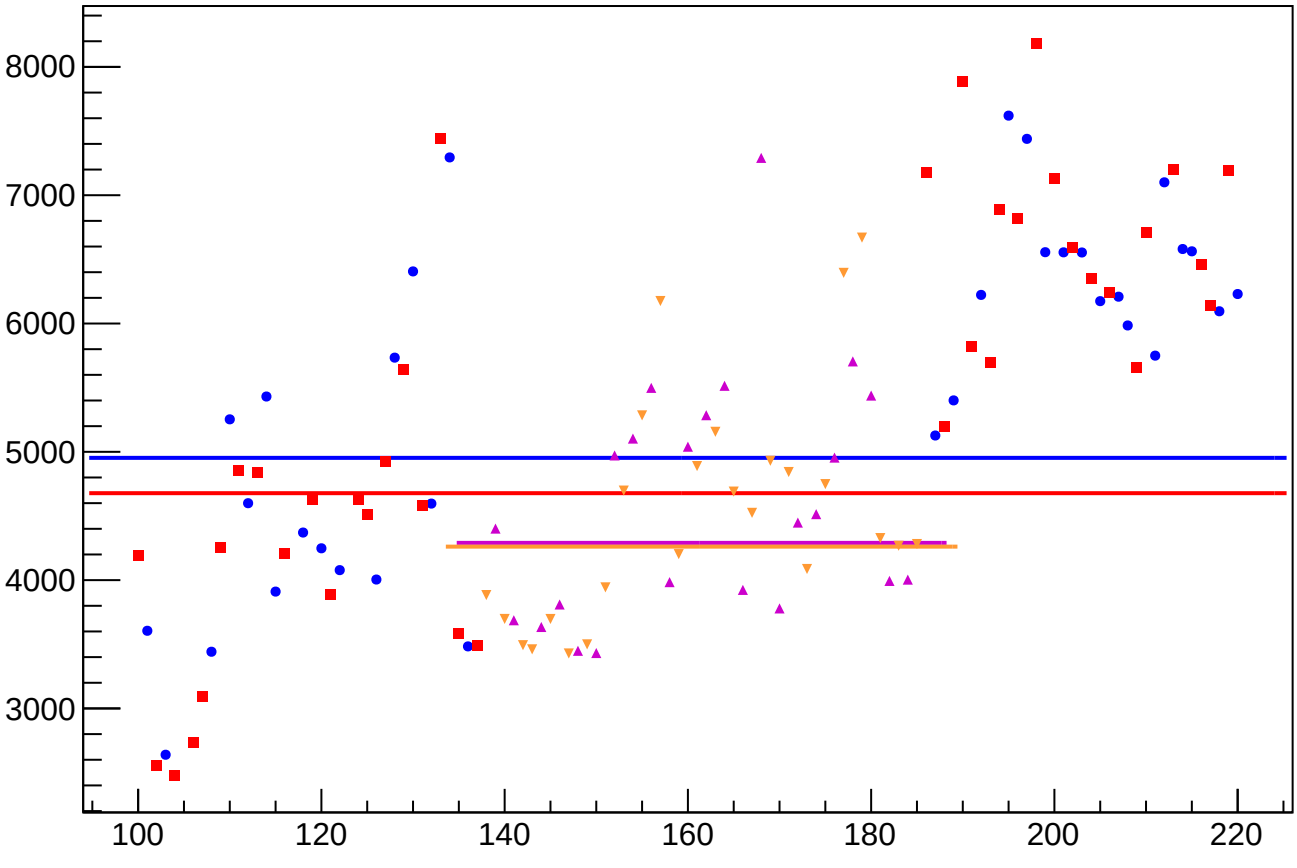
Right: 1944.998+/-0.213 χ^2/NDF: 1136838.6/69

In: 1901.109+/-0.215 χ^2/NDF:783458.3/55

Out: 1904.011+/-0.212 χ^2/NDF:475375.5/61

All: 1902.581+/-0.151 χ^2/NDF: 1258926.1/11


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -797.627+/-1129.381 χ²/NDF: 39.4/32
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 1329.799+/-1074.842 χ²/NDF: 39.3/36
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 318.693+/-778.595 χ²/NDF: 80.6/69
In: -253.499+/-757.982 χ²/NDF:55.0/55
Out: 232.603+/-728.199 χ²/NDF:66.6/61
All: -0.711+/-525.128 χ²/NDF: 121.8/117



Right In: 4953.040+/-0.799 χ^2/NDF: 3405604.8/32

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4677.738+/-0.760 χ^2/NDF: 4896085.0/36

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

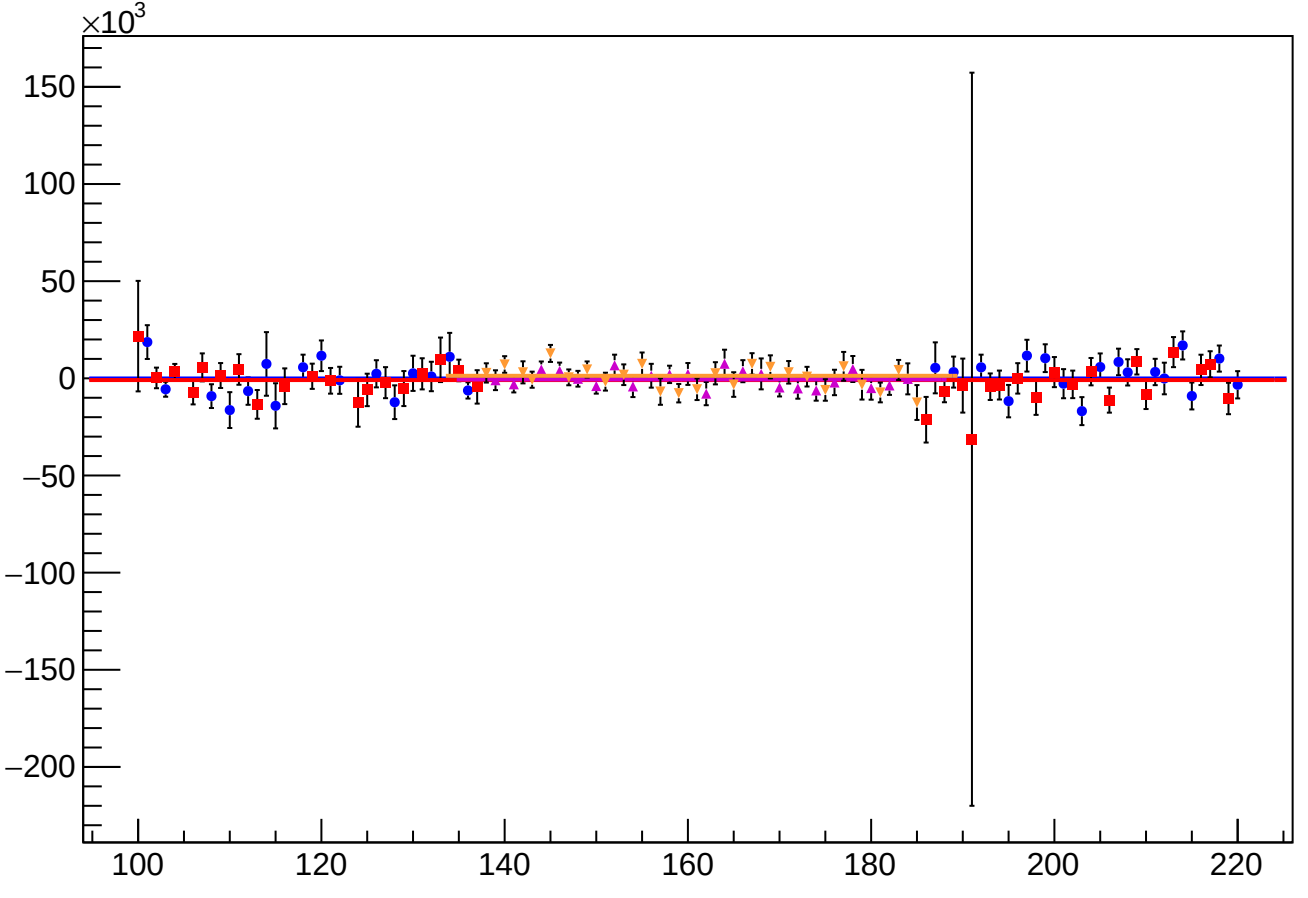
Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

Right: 4808.582+/-0.551 χ^2/NDF: 8364049.4/69

In: 4588.882+/-0.536 χ^2/NDF:4997943.5/55

Out: 4452.353+/-0.515 χ^2/NDF:6249201.5/61

All: 4517.883+/-0.371 χ^2/NDF: 11280888.6/1



Right In: -77.177+/-1238.044 χ^2/NDF: 48.1/32

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -889.601+/-1210.182 χ^2/NDF: 29.3/36

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

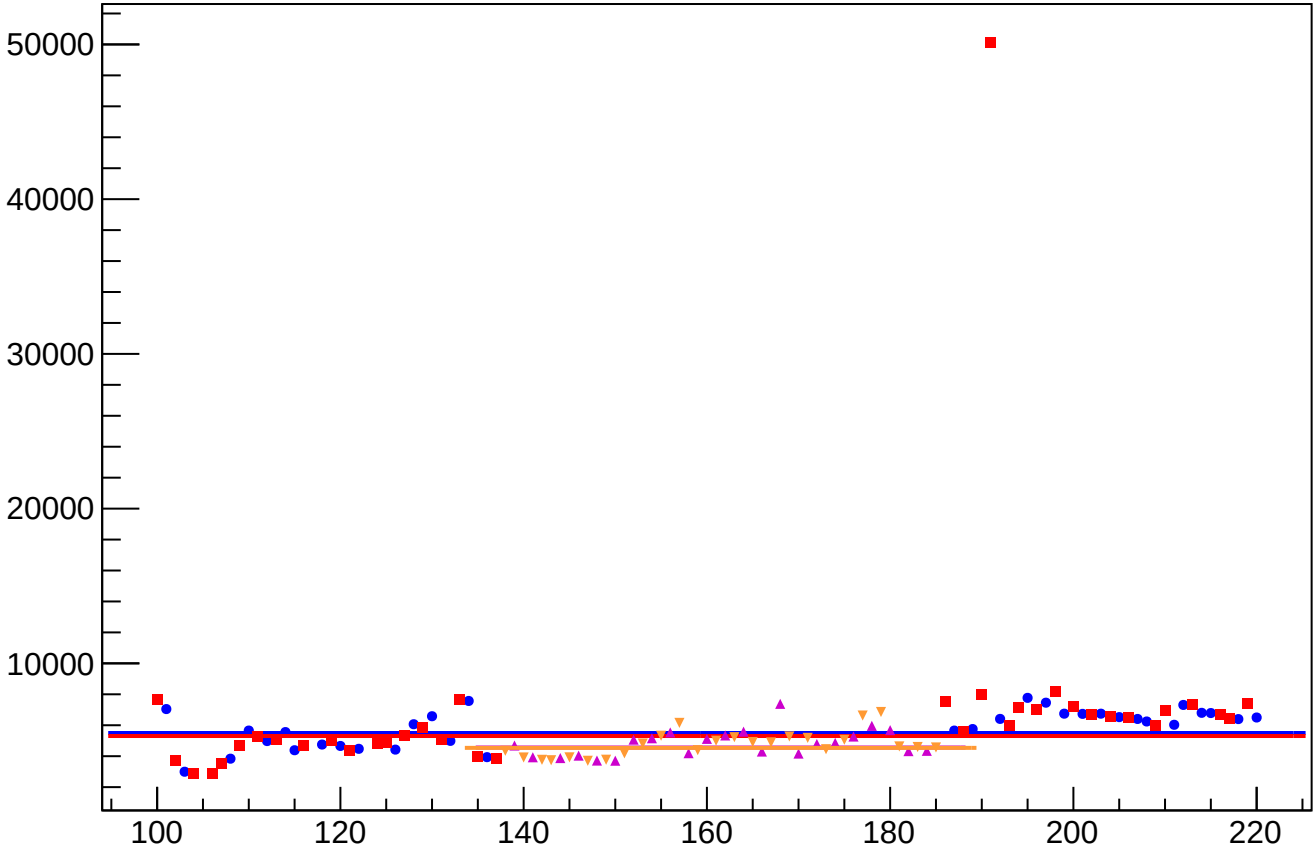
Right: -492.633+/-865.411 χ^2/NDF: 77.6/69

In: -360.209+/-814.762 χ^2/NDF:62.6/55

Out: 359.130+/-792.900 χ^2/NDF:59.7/61

All: 9.241+/-568.237 χ^2/NDF: 122.7/117

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5498.065+/-0.875 χ^2/NDF: 2510440.1/32

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 5303.766+/-0.852 χ^2/NDF: 3339046.7/36

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

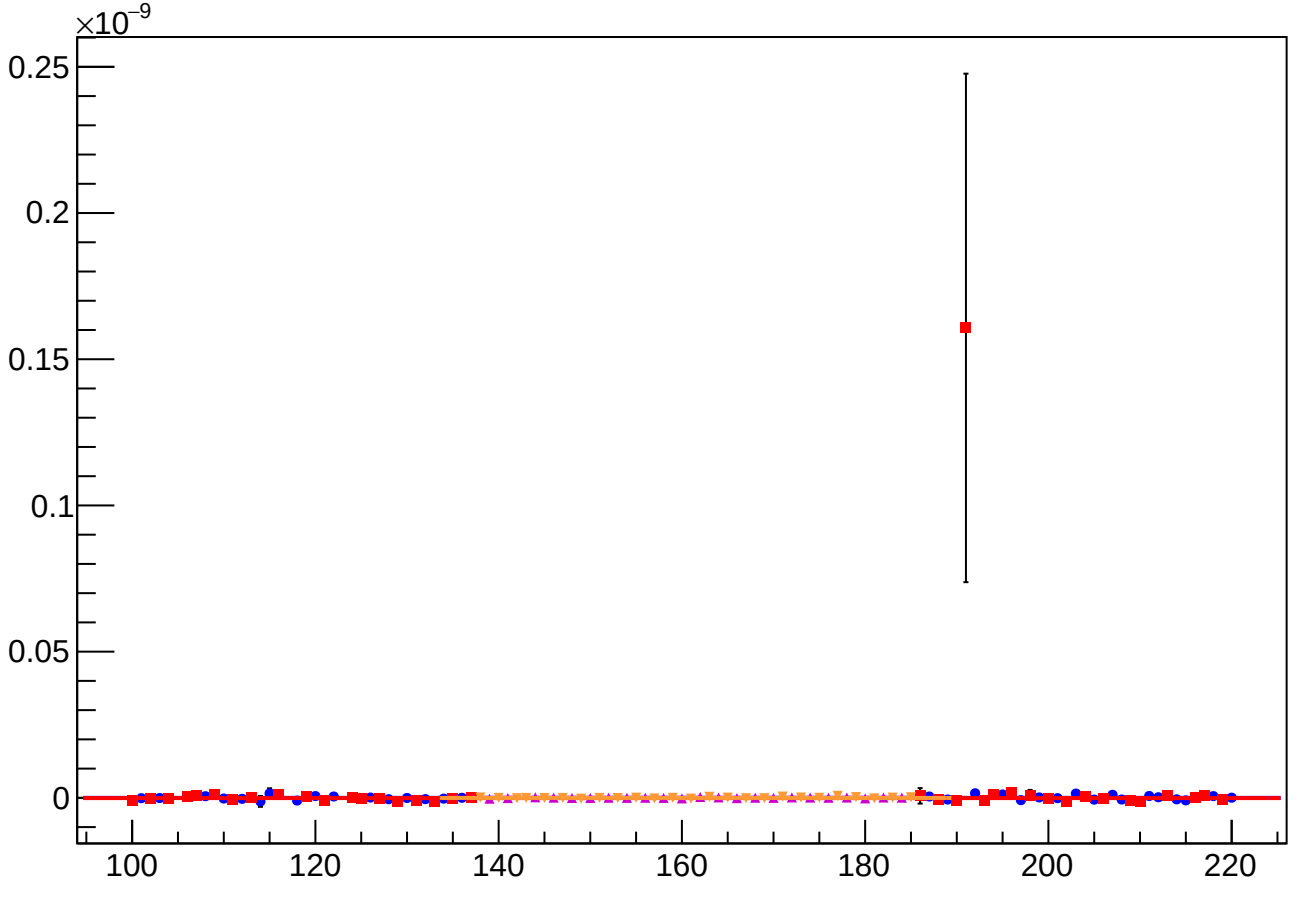
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5398.261+/-0.611 χ^2/NDF: 5874790.4/69

In: 4966.565+/-0.576 χ^2/NDF:4140862.0/55

Out: 4868.404+/-0.560 χ^2/NDF:4791452.1/61

All: 4916.053+/-0.401 χ^2/NDF: 8947252.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

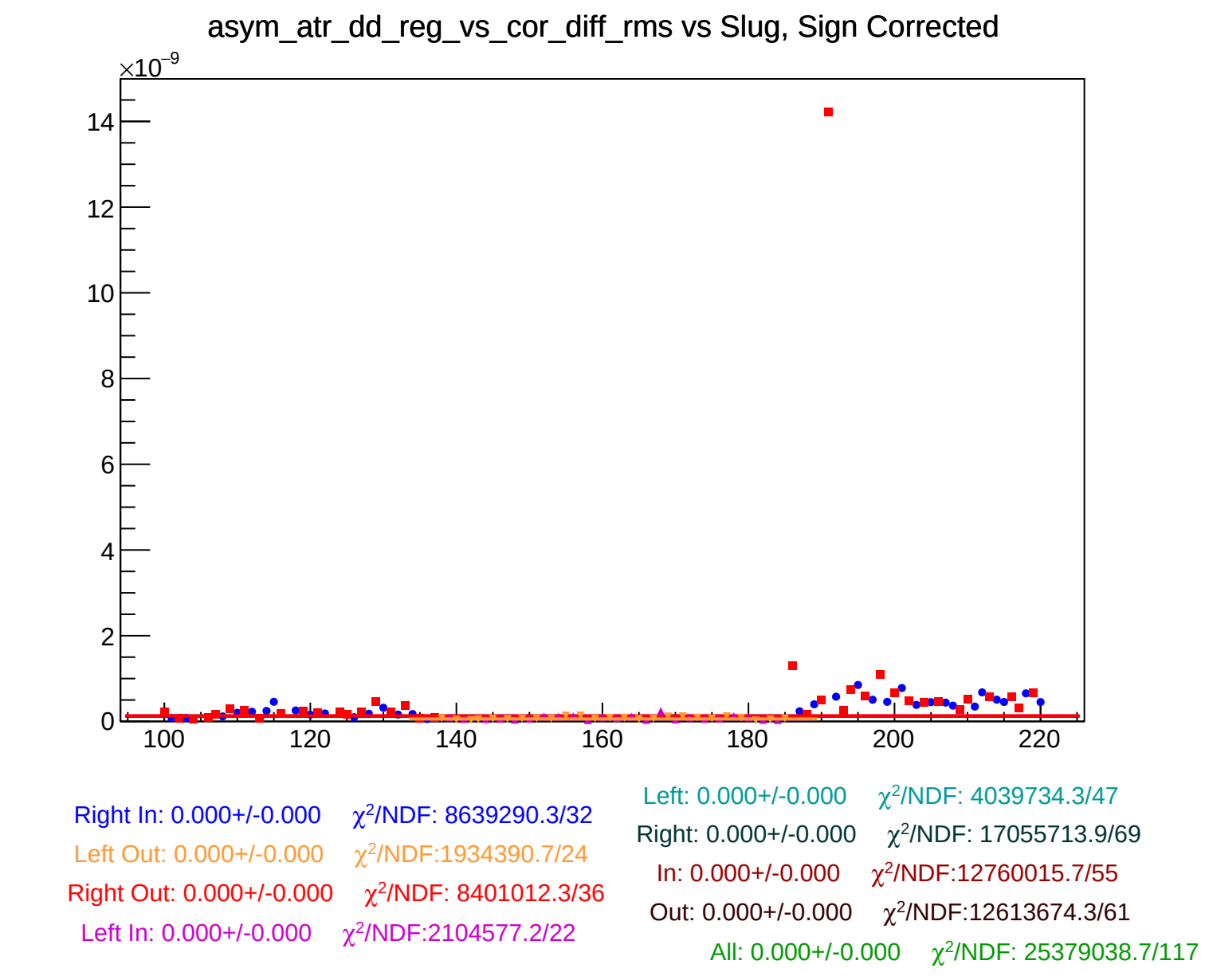
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

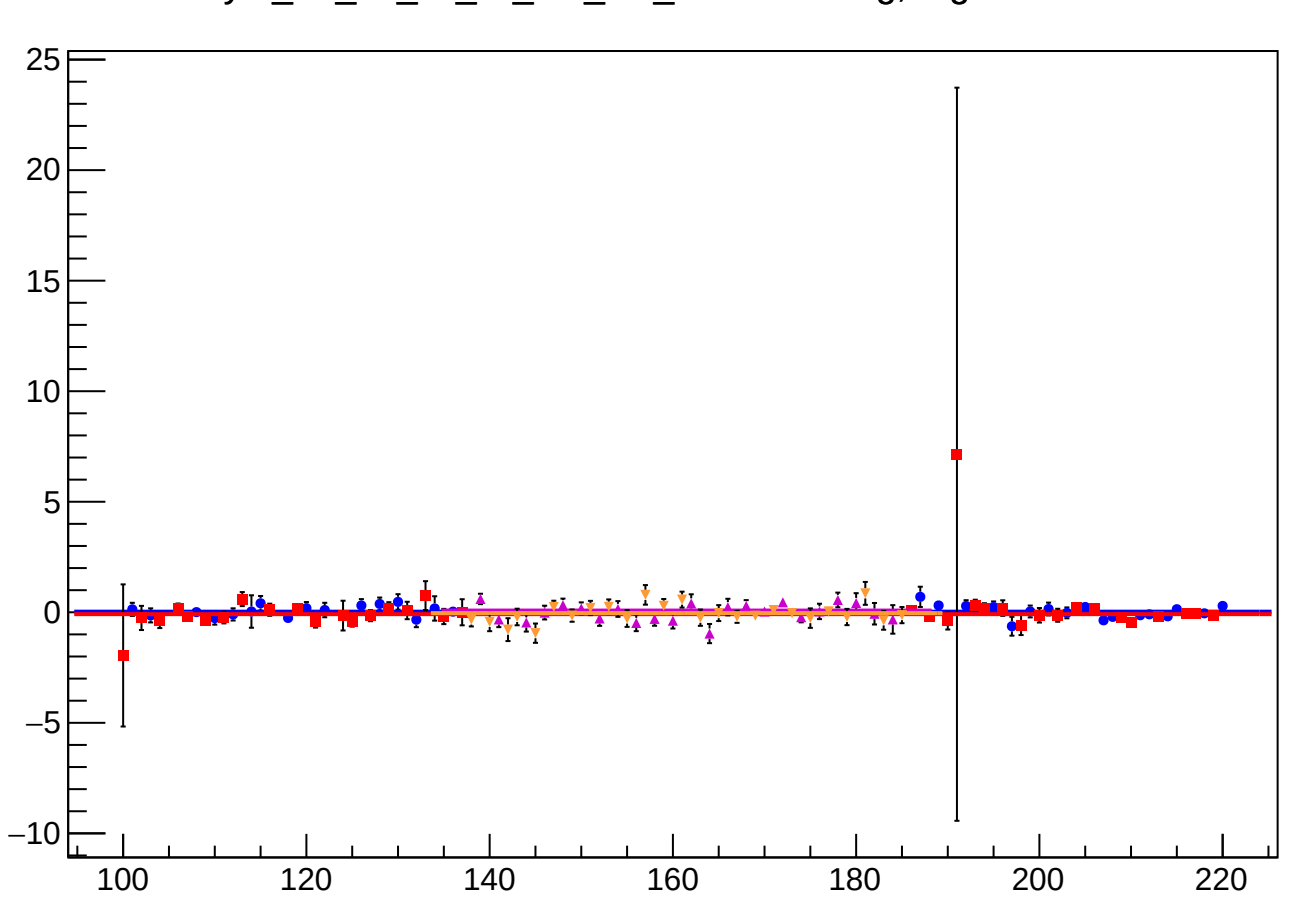
Right: -0.000+/-0.000 χ^2/NDF: 74.9/69

In: 0.000+/-0.000 χ^2/NDF:49.5/55

Out: -0.000+/-0.000 χ^2/NDF:83.8/61

All: -0.000+/-0.000 χ^2/NDF: 135.4/117


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8639290.3/32
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8401012.3/36
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
Left: 0.000+/-0.000 χ²/NDF: 4039734.3/47
Right: 0.000+/-0.000 χ²/NDF: 17055713.9/69
In: 0.000+/-0.000 χ²/NDF:12760015.7/55
Out: 0.000+/-0.000 χ²/NDF:12613674.3/61
All: 0.000+/-0.000 χ²/NDF: 25379038.7/117



Right In: 0.028+/-0.039 χ^2/NDF: 35.0/32

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

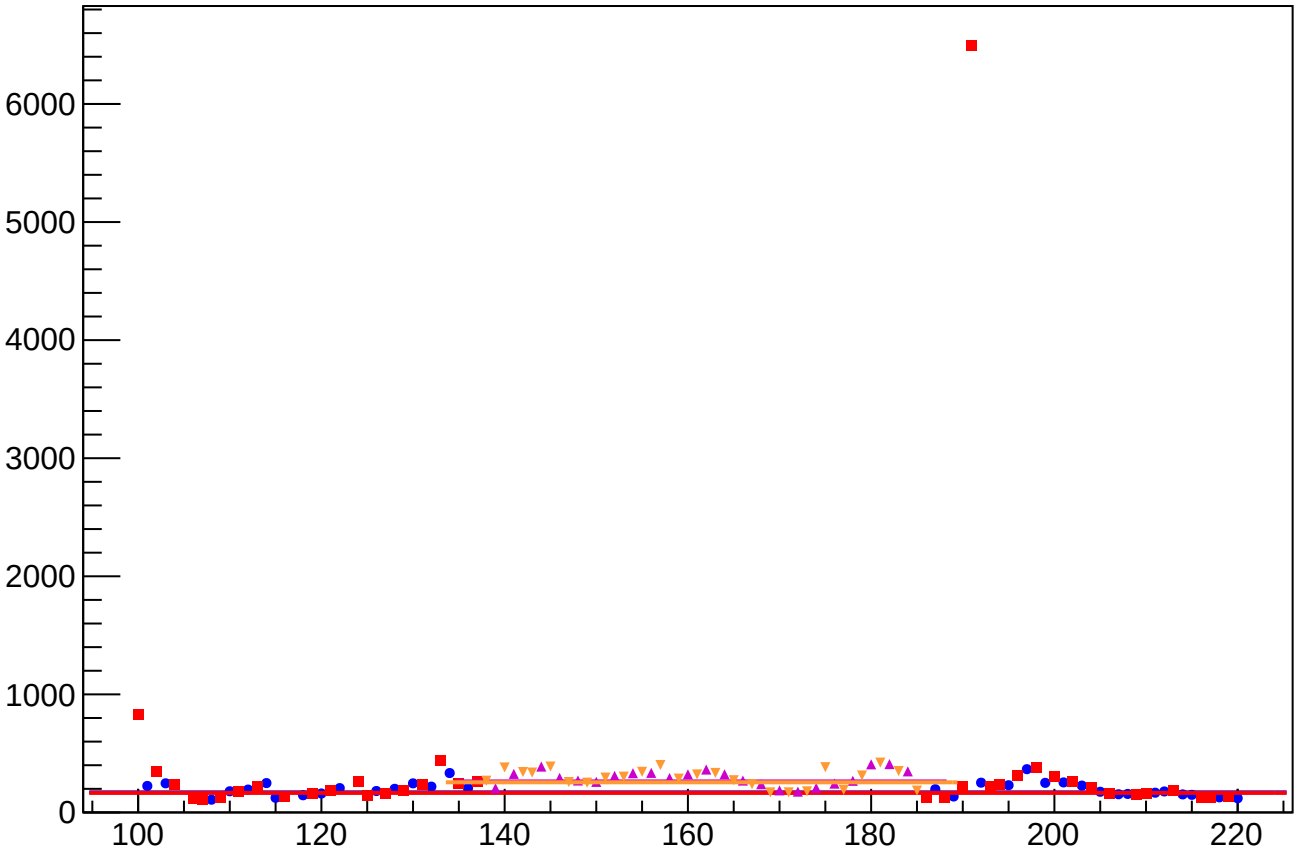
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.029+/-0.028 χ^2/NDF: 72.5/69

In: 0.041+/-0.034 χ^2/NDF:66.5/55

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.016+/-0.024 χ^2/NDF: 130.5/117



Right In: 170.154+/-0.028 χ^2/NDF: 2785217.3/32

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

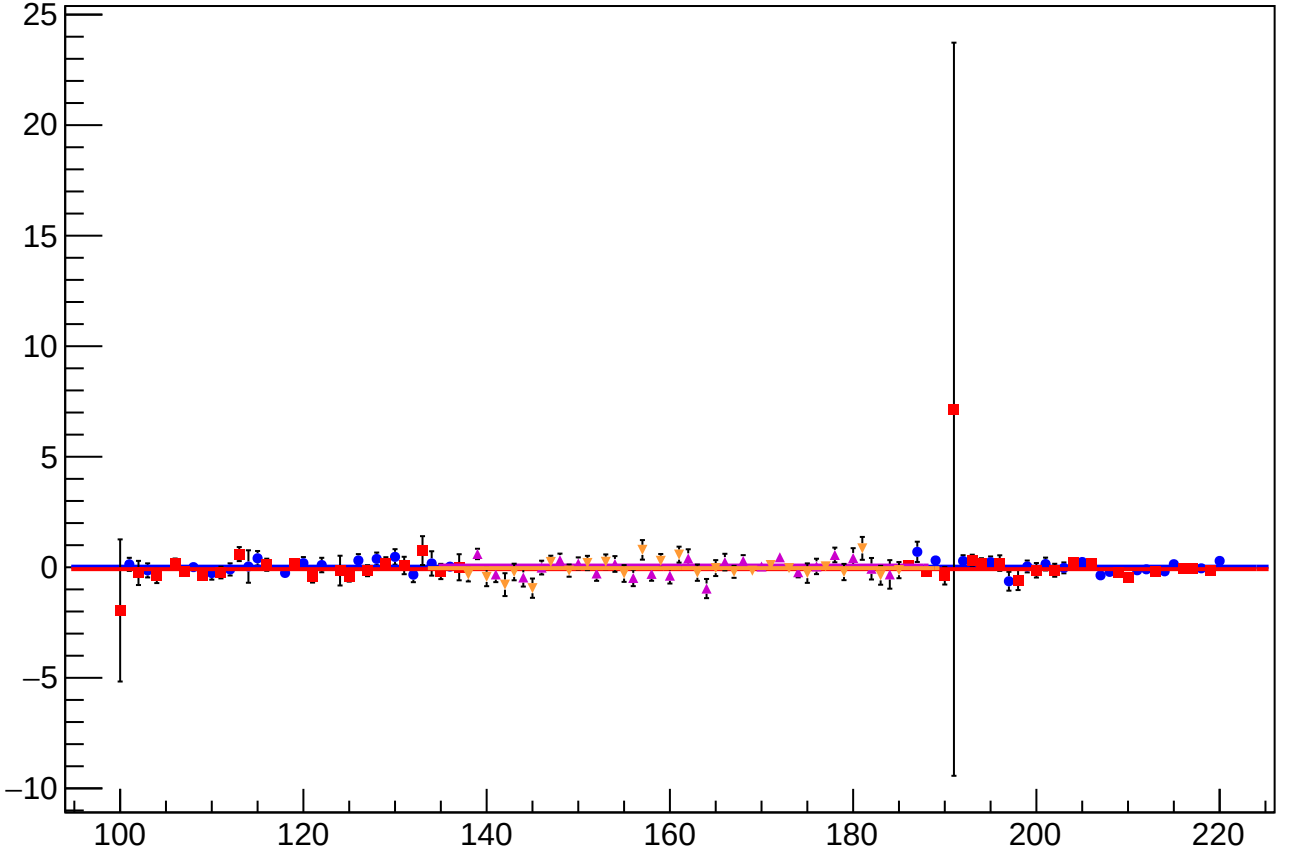
Right: 168.026+/-0.020 χ^2/NDF: 6894603.7/69

In: 195.034+/-0.024 χ^2/NDF:7792124.5/55

Out: 191.290+/-0.023 χ^2/NDF:10021031.7/61

All: 193.125+/-0.017 χ^2/NDF: 17825792.3/11

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.039 χ^2/NDF: 35.0/32

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

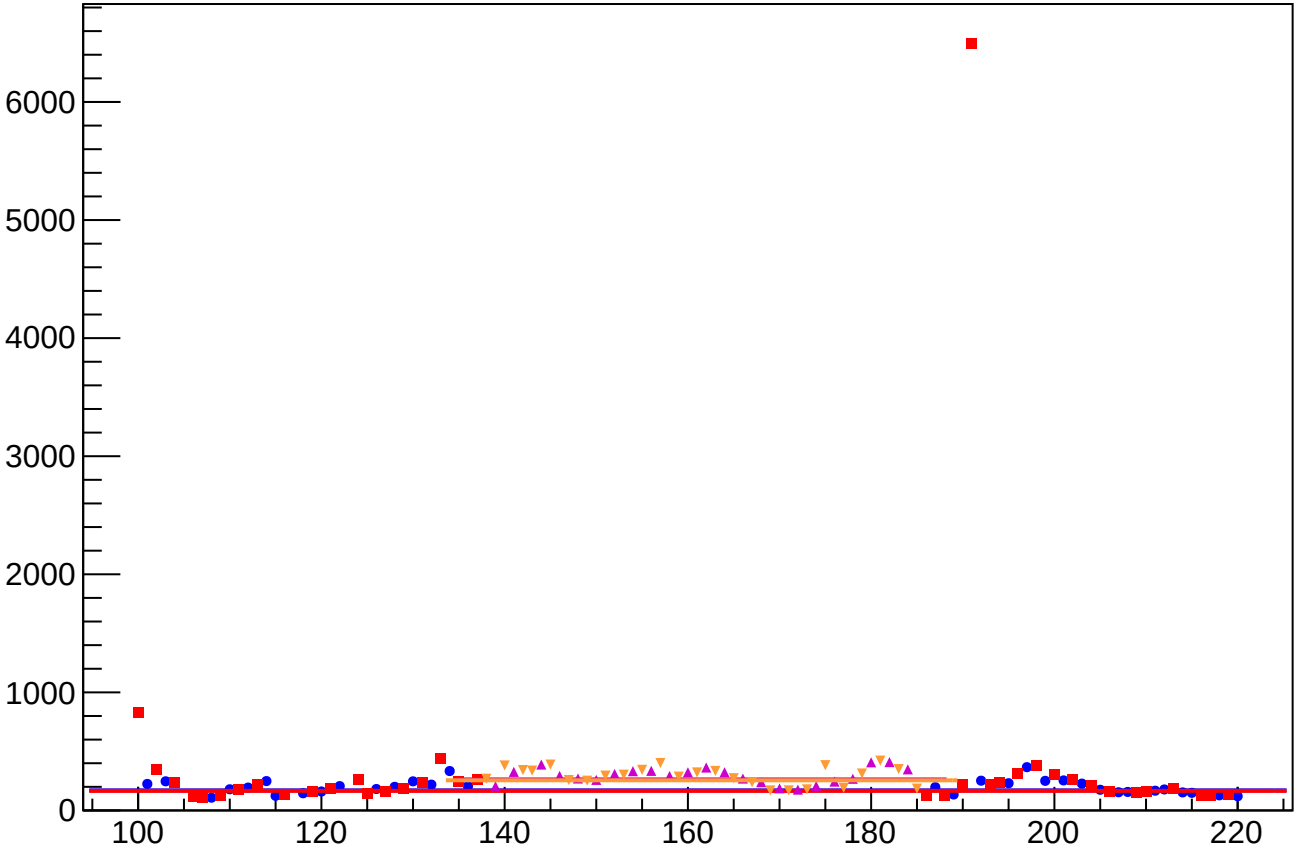
Right: -0.029+/-0.028 χ^2/NDF: 72.5/69

In: 0.041+/-0.034 χ^2/NDF:66.5/55

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.016+/-0.024 χ^2/NDF: 130.5/117

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 170.154+/-0.028 χ^2/NDF: 2785217.3/32

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

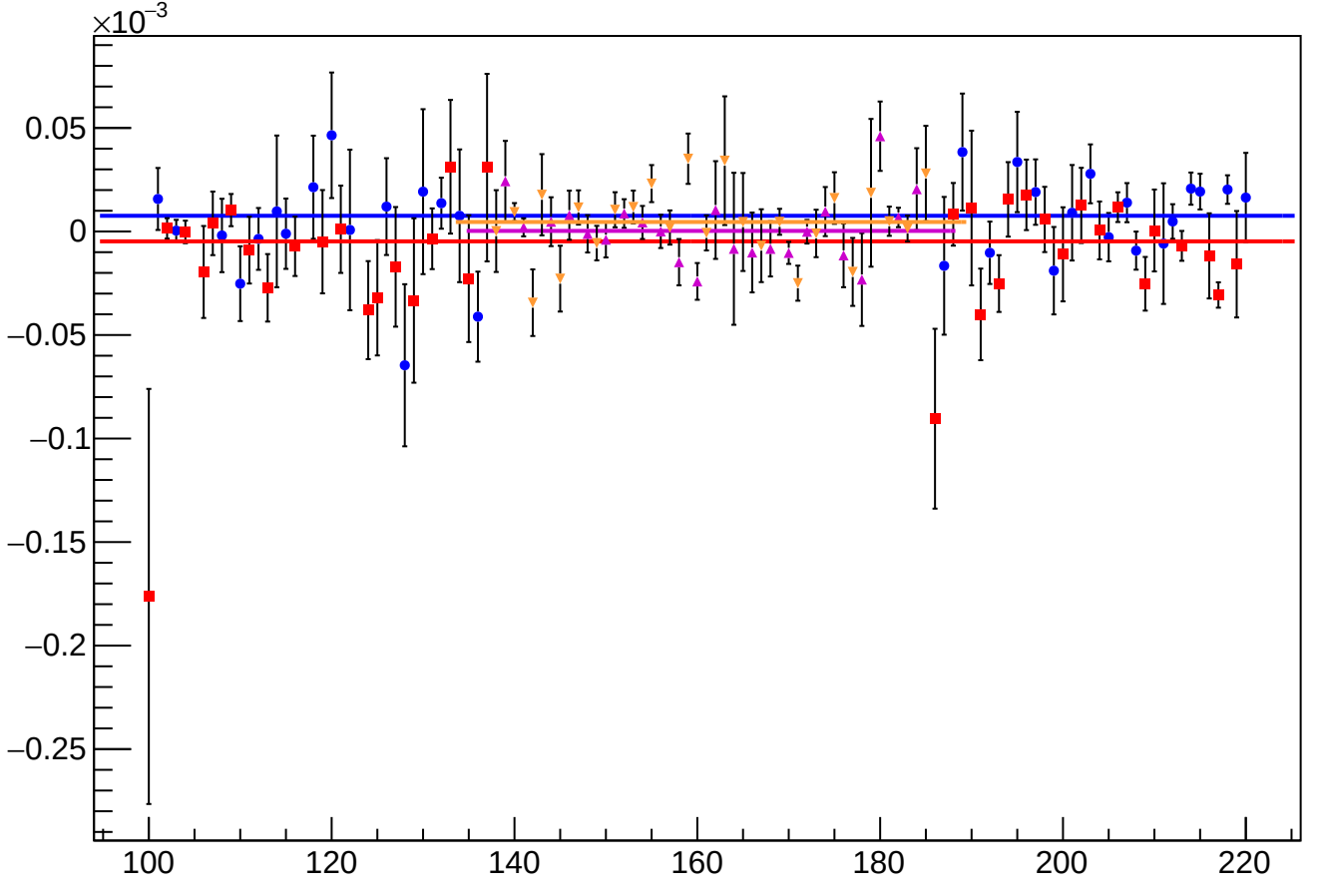
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 168.026+/-0.020 χ^2/NDF: 6894603.7/69

In: 195.034+/-0.024 χ^2/NDF:7792124.5/55

Out: 191.290+/-0.023 χ^2/NDF:10021031.7/61

All: 193.125+/-0.017 χ^2/NDF: 17825792.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 58.0/36

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

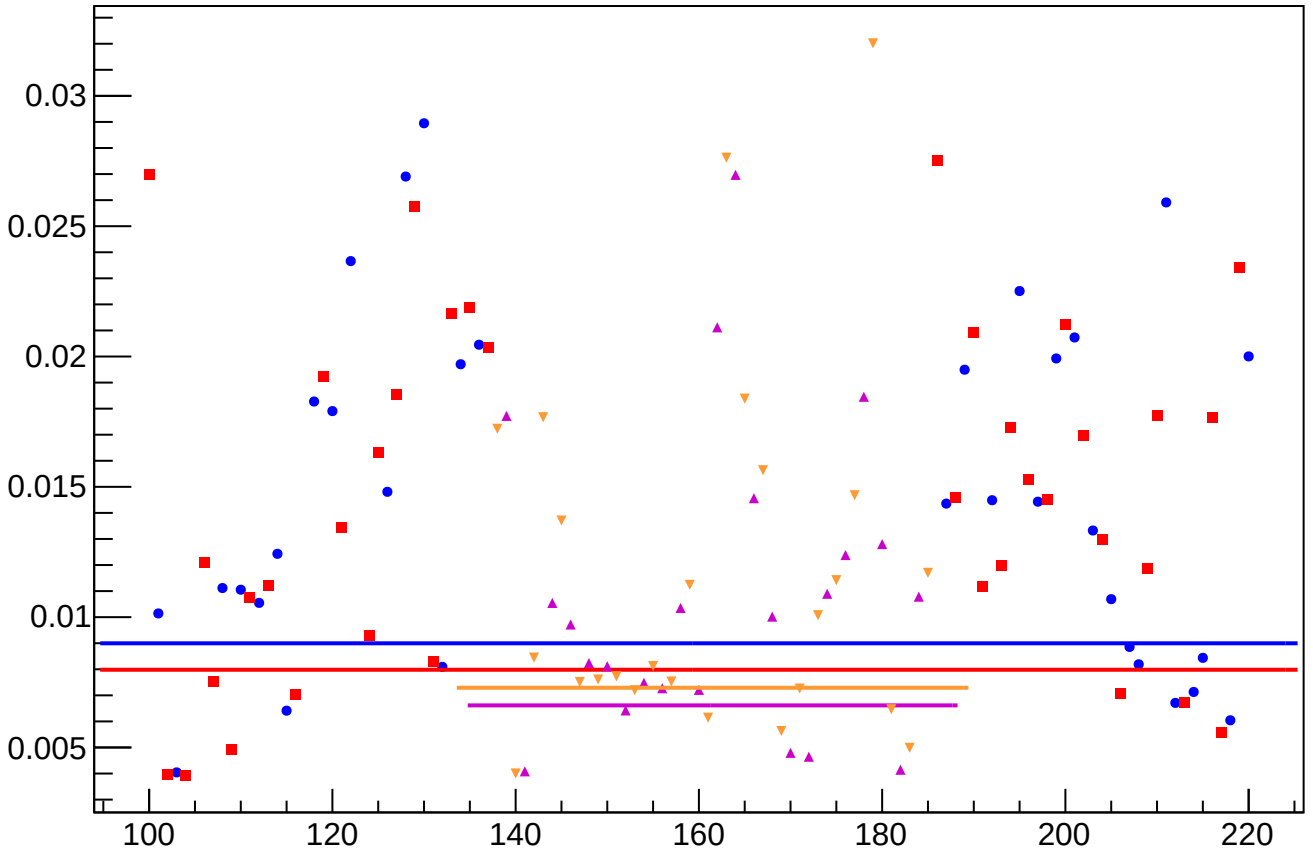
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 113.1/69

In: 0.000+/-0.000 χ^2/NDF:76.5/55

Out: 0.000+/-0.000 χ^2/NDF:112.6/61

All: 0.000+/-0.000 χ^2/NDF: 191.0/117



Right In: 0.009+/-0.000 χ^2/NDF: 9119210.1/32

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 11494380.7/36

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

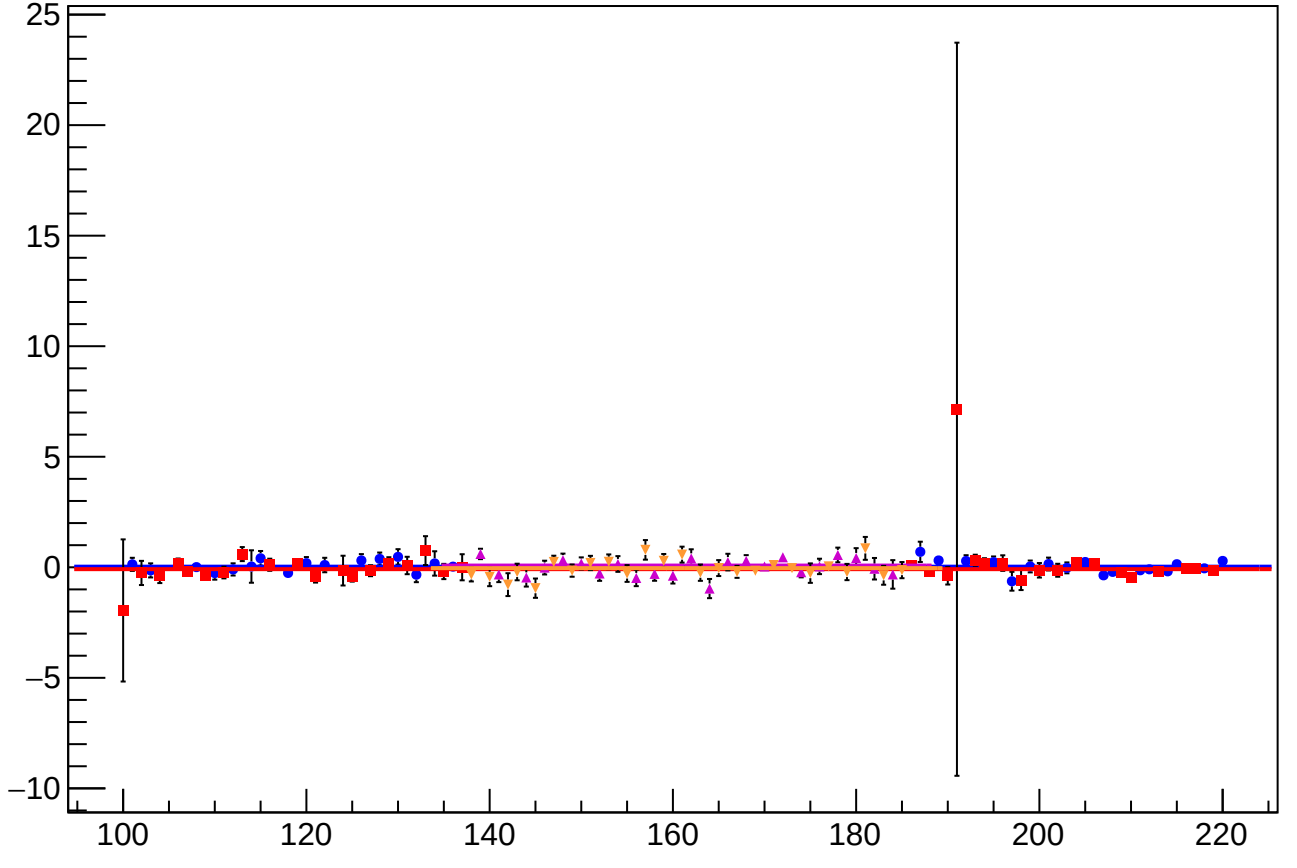
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.008+/-0.000 χ^2/NDF: 20832886.8/69

In: 0.008+/-0.000 χ^2/NDF:16879290.9/55

Out: 0.008+/-0.000 χ^2/NDF:18389679.1/61

All: 0.008+/-0.000 χ^2/NDF: 35272034.1/117



Right In: 0.028+/-0.039 χ^2/NDF: 35.0/32

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

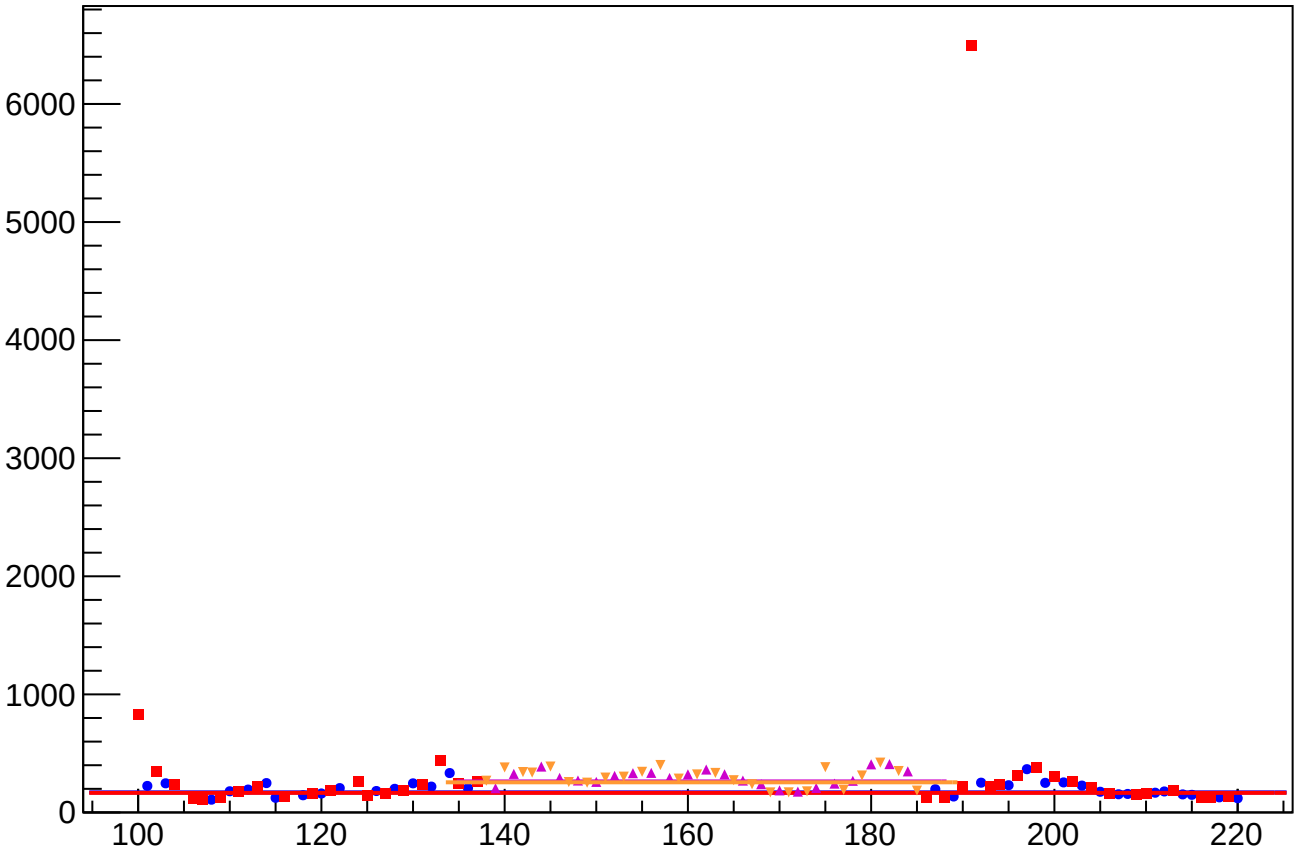
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.029+/-0.028 χ^2/NDF: 72.5/69

In: 0.041+/-0.034 χ^2/NDF:66.5/55

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.016+/-0.024 χ^2/NDF: 130.5/117



Right In: 170.153+/-0.028 χ^2/NDF: 2785291.6/32

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

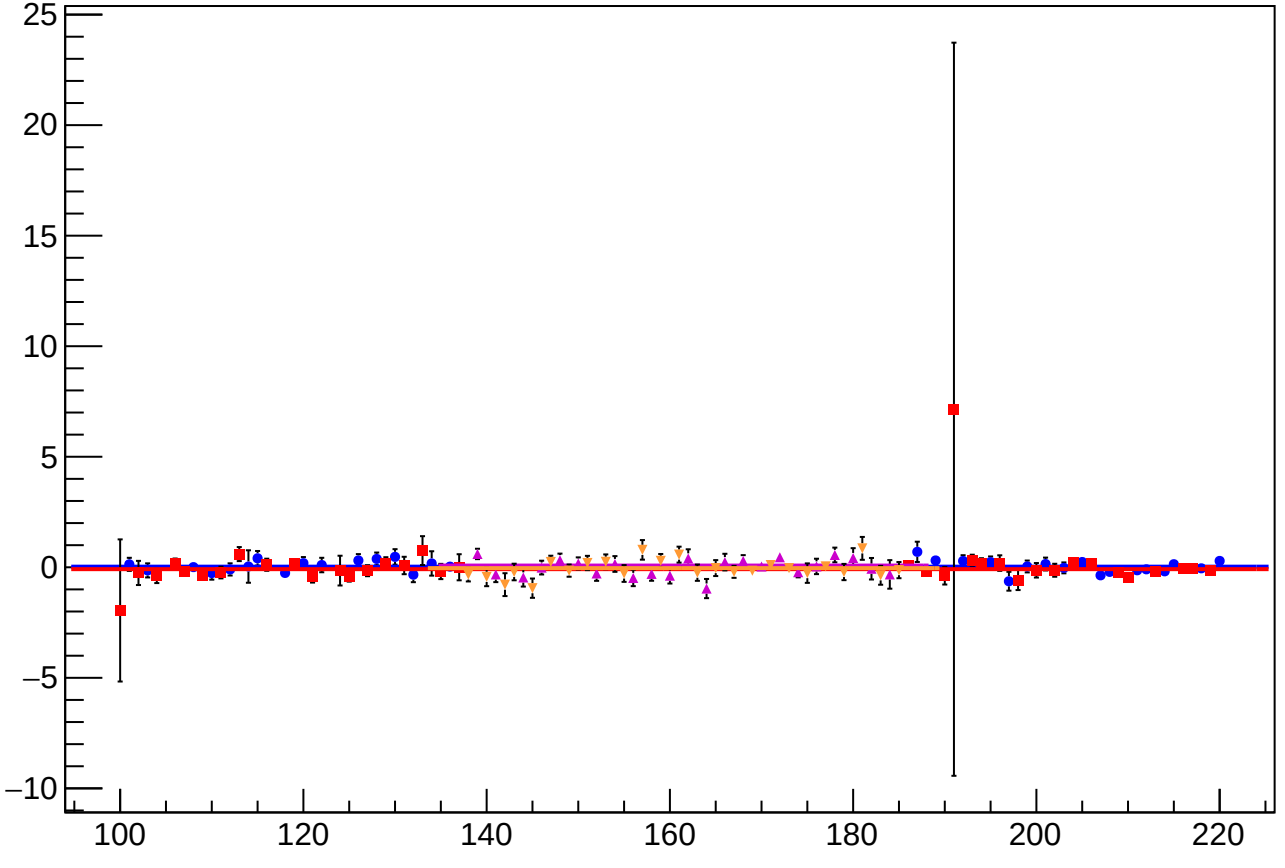
Right: 168.027+/-0.020 χ^2/NDF: 6894600.9/69

In: 195.034+/-0.024 χ^2/NDF:7792386.1/55

Out: 191.292+/-0.023 χ^2/NDF:10021064.3/61

All: 193.126+/-0.017 χ^2/NDF: 17826076.6/11

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.039 χ^2/NDF: 35.0/32

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

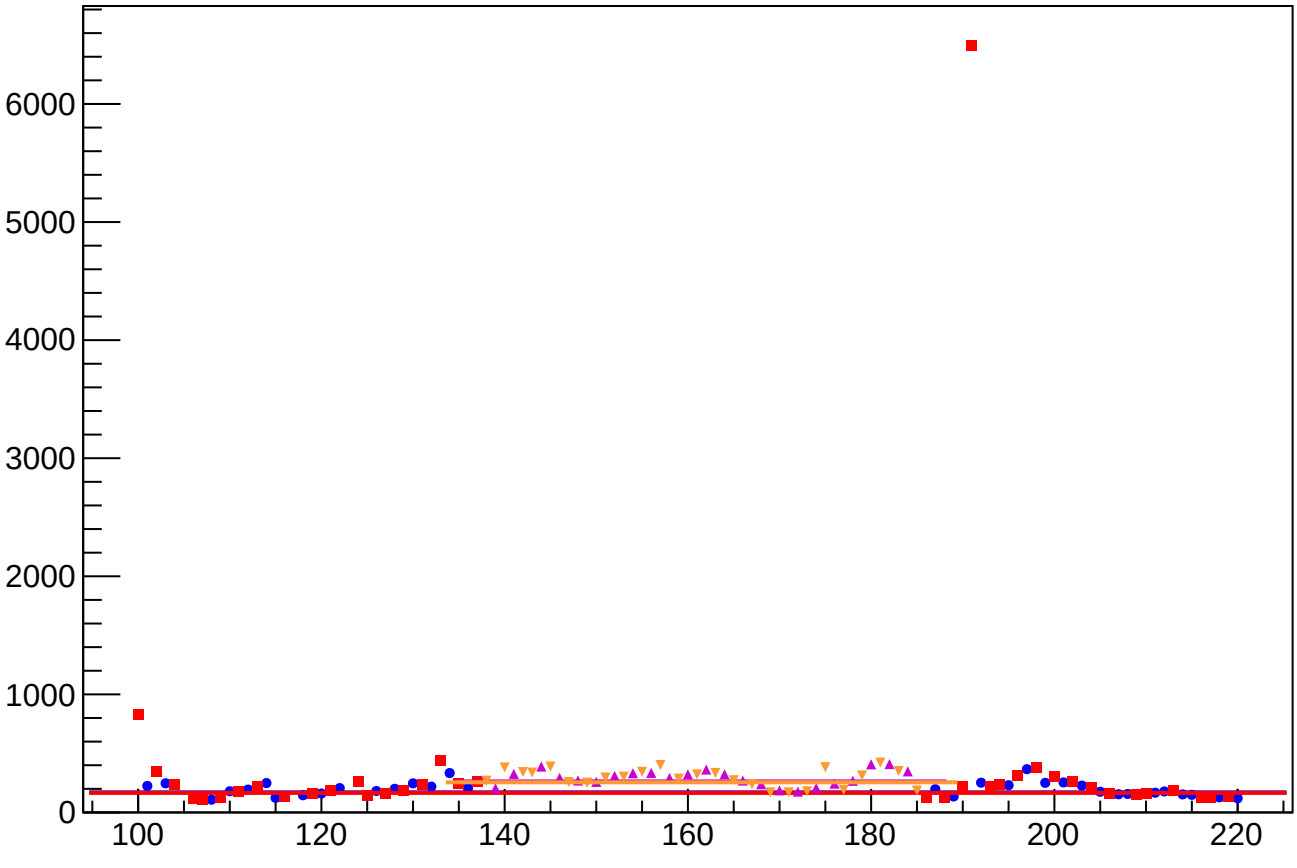
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.029+/-0.028 χ^2/NDF: 72.5/69

In: 0.041+/-0.034 χ^2/NDF:66.5/55

Out: -0.071+/-0.033 χ^2/NDF:58.3/61

All: -0.016+/-0.024 χ^2/NDF: 130.5/117



Right In: 170.153+/-0.028 χ^2/NDF: 2785291.6/32

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

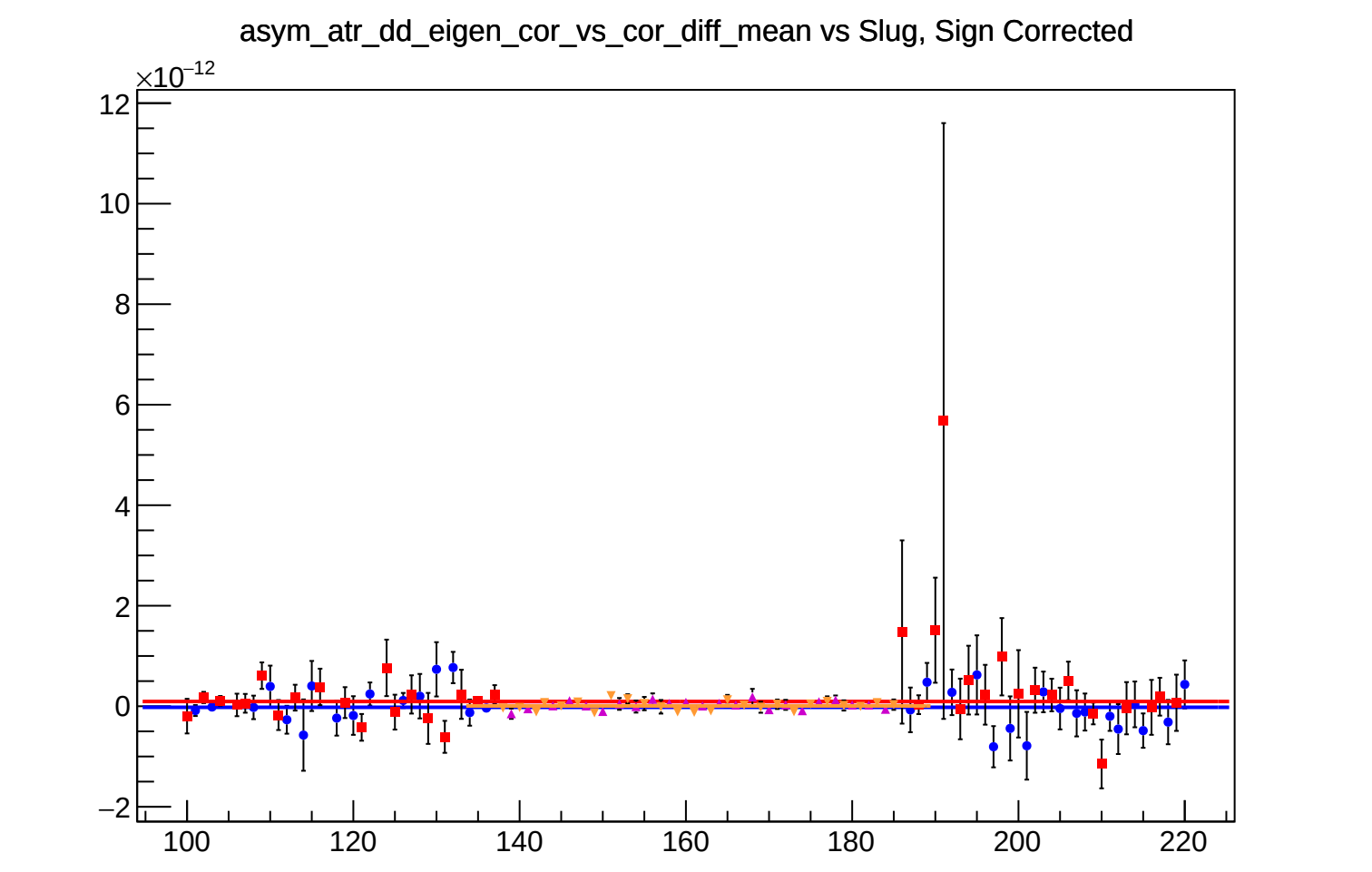
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 168.027+/-0.020 χ^2/NDF: 6894600.9/69

In: 195.034+/-0.024 χ^2/NDF:7792386.1/55

Out: 191.292+/-0.023 χ^2/NDF:10021064.3/61

All: 193.126+/-0.017 χ^2/NDF: 17826076.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/36

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

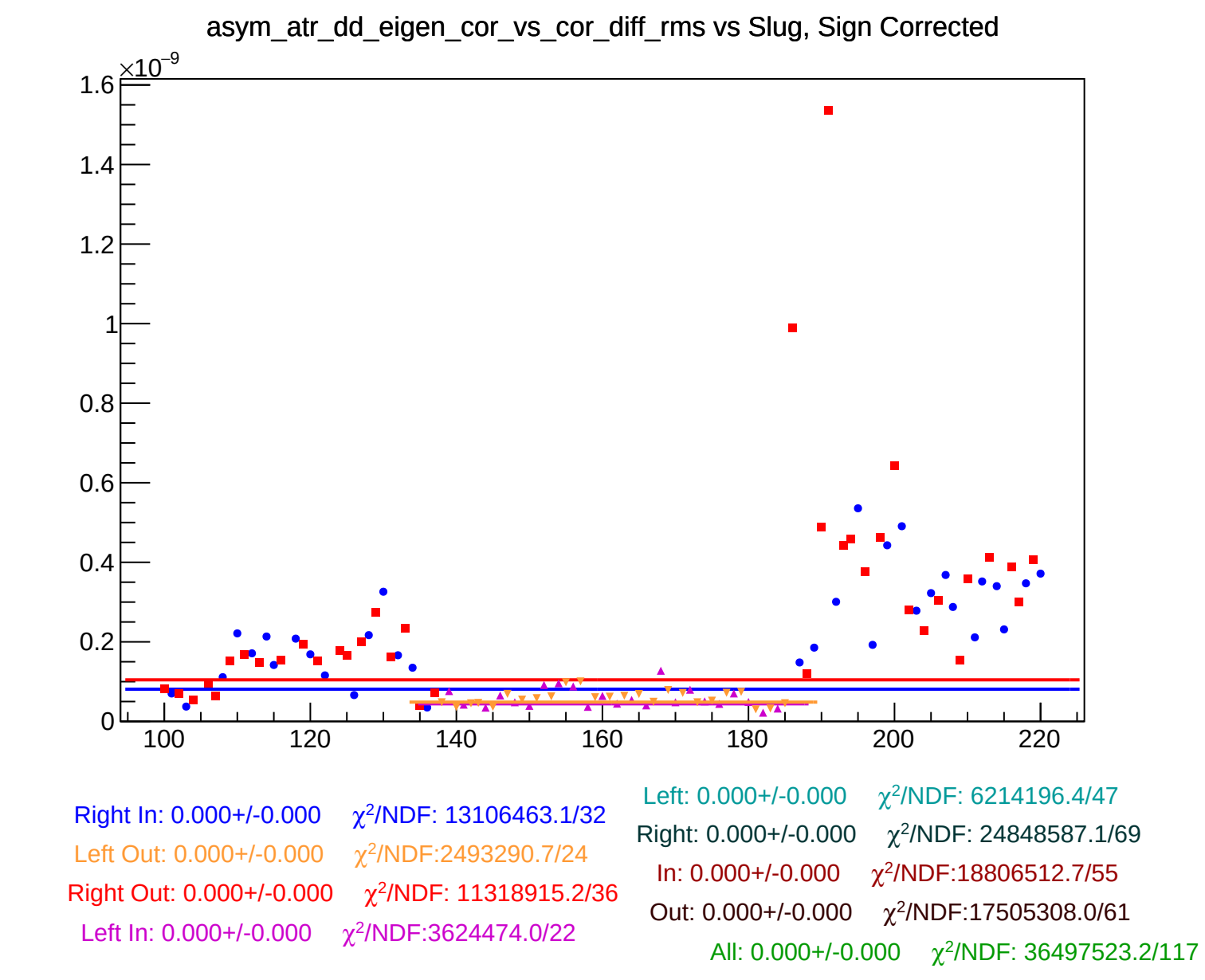
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 66.7/69

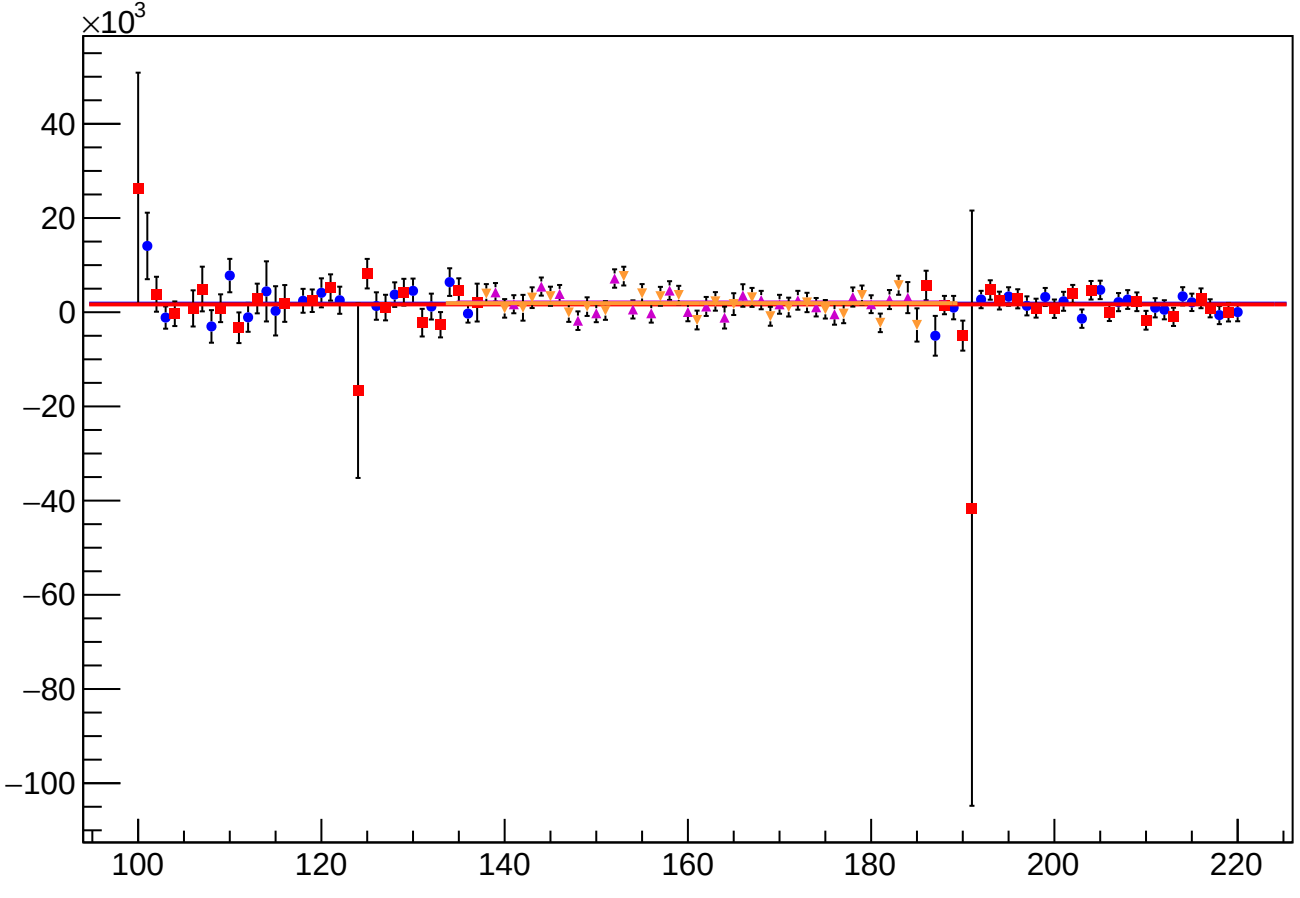
In: 0.000+/-0.000 χ^2/NDF:50.3/55

Out: 0.000+/-0.000 χ^2/NDF:68.3/61

All: 0.000+/-0.000 χ^2/NDF: 119.1/117


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 13106463.1/32
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11318915.2/36
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 24848587.1/69
In: 0.000+/-0.000 χ²/NDF:18806512.7/55
Out: 0.000+/-0.000 χ²/NDF:17505308.0/61
All: 0.000+/-0.000 χ²/NDF: 36497523.2/117

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1819.636+/-408.216 χ^2/NDF: 29.6/32

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 1661.705+/-410.440 χ^2/NDF: 38.8/36

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

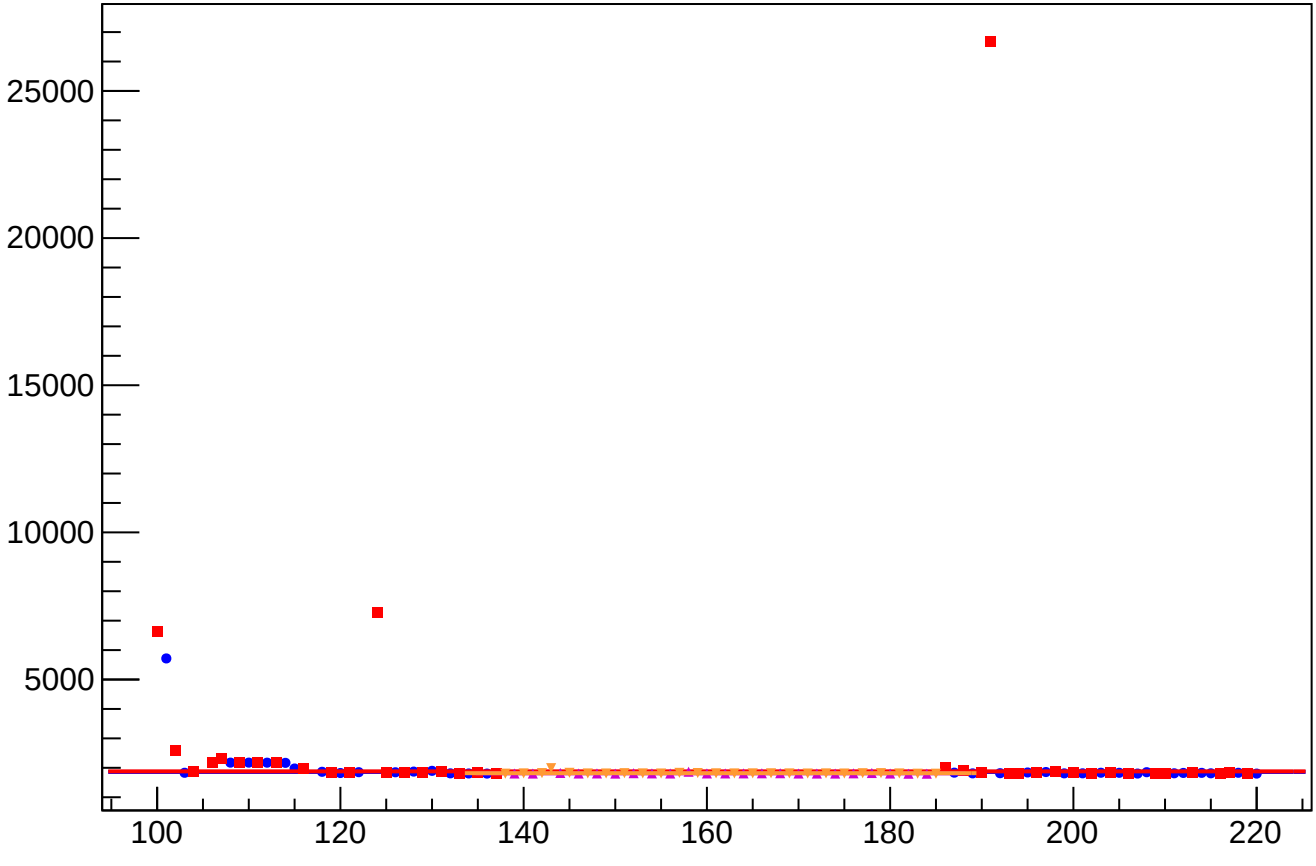
Right: 1741.100+/-289.435 χ^2/NDF: 68.4/69

In: 1942.334+/-293.808 χ^2/NDF:56.3/55

Out: 1790.386+/-291.096 χ^2/NDF:71.5/61

All: 1865.655+/-206.788 χ^2/NDF: 127.9/117

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1859.010+/-0.289 χ^2/NDF: 672616.5/32

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1879.191+/-0.290 χ^2/NDF: 747904.7/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

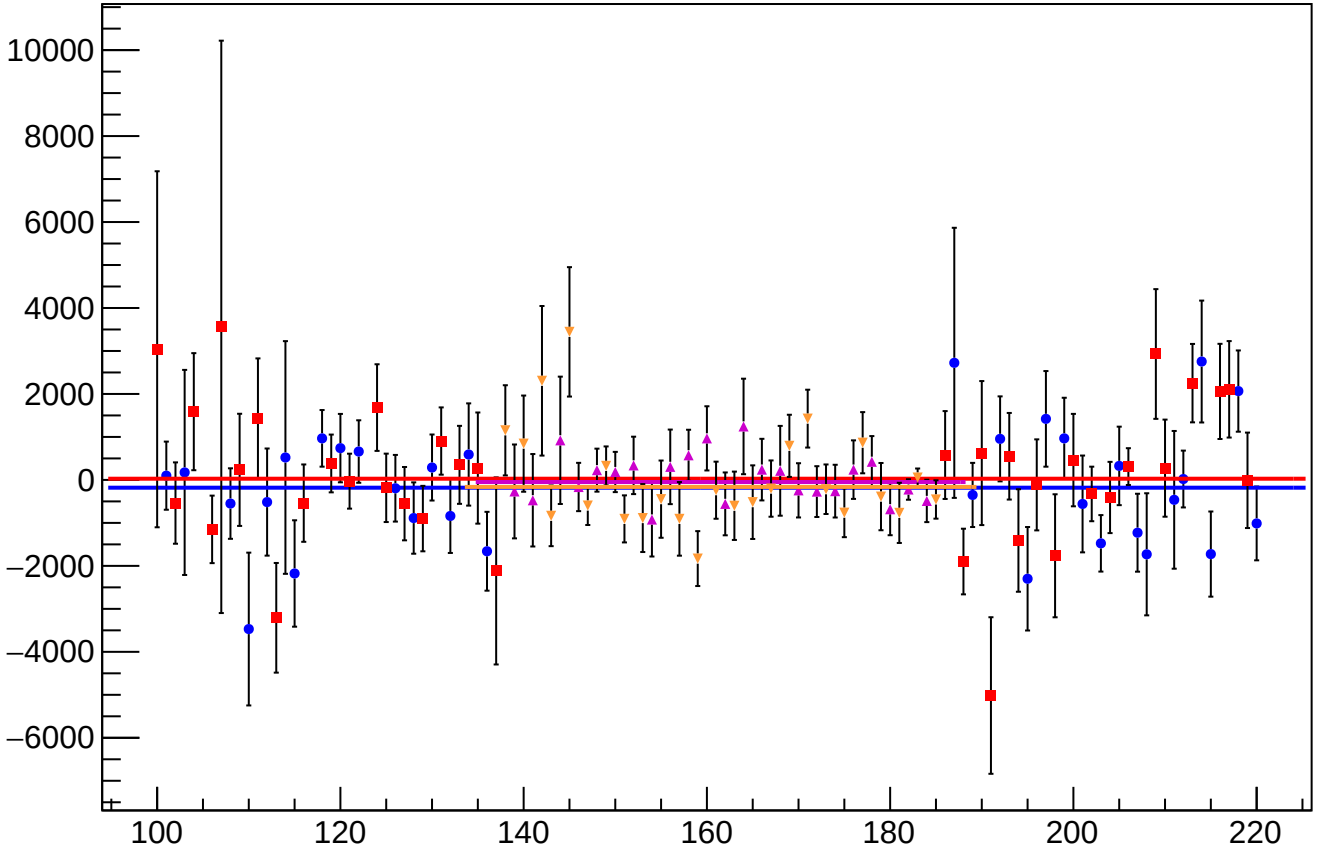
Right: 1869.046+/-0.205 χ^2/NDF: 1422952.0/69

In: 1836.615+/-0.208 χ^2/NDF:687118.7/55

Out: 1848.543+/-0.206 χ^2/NDF:783298.1/61

All: 1842.634+/-0.146 χ^2/NDF: 1472080.4/11

asym_at1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -180.952+/-164.270 χ^2/NDF: 46.1/32

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 27.867+/-154.684 χ^2/NDF: 55.4/36

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

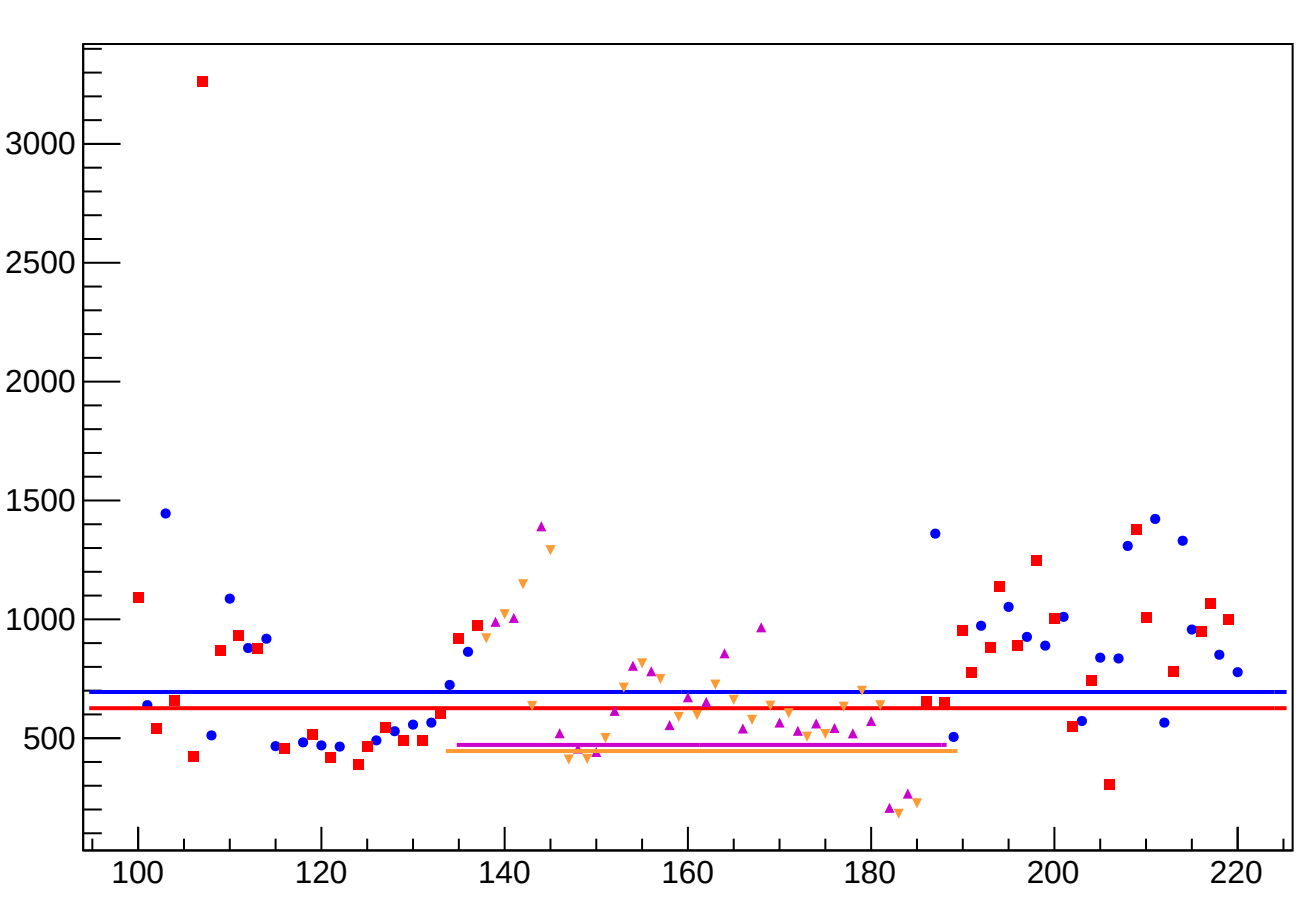
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -70.272+/-112.614 χ^2/NDF: 102.4/69

In: -96.436+/-98.300 χ^2/NDF:57.8/55

Out: -94.830+/-92.442 χ^2/NDF:93.2/61

All: -95.584+/-67.342 χ^2/NDF: 151.1/117



Right In: 694.393+/-0.116 χ^2/NDF: 4021866.1/32

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 626.221+/-0.109 χ^2/NDF: 5557747.4/36

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

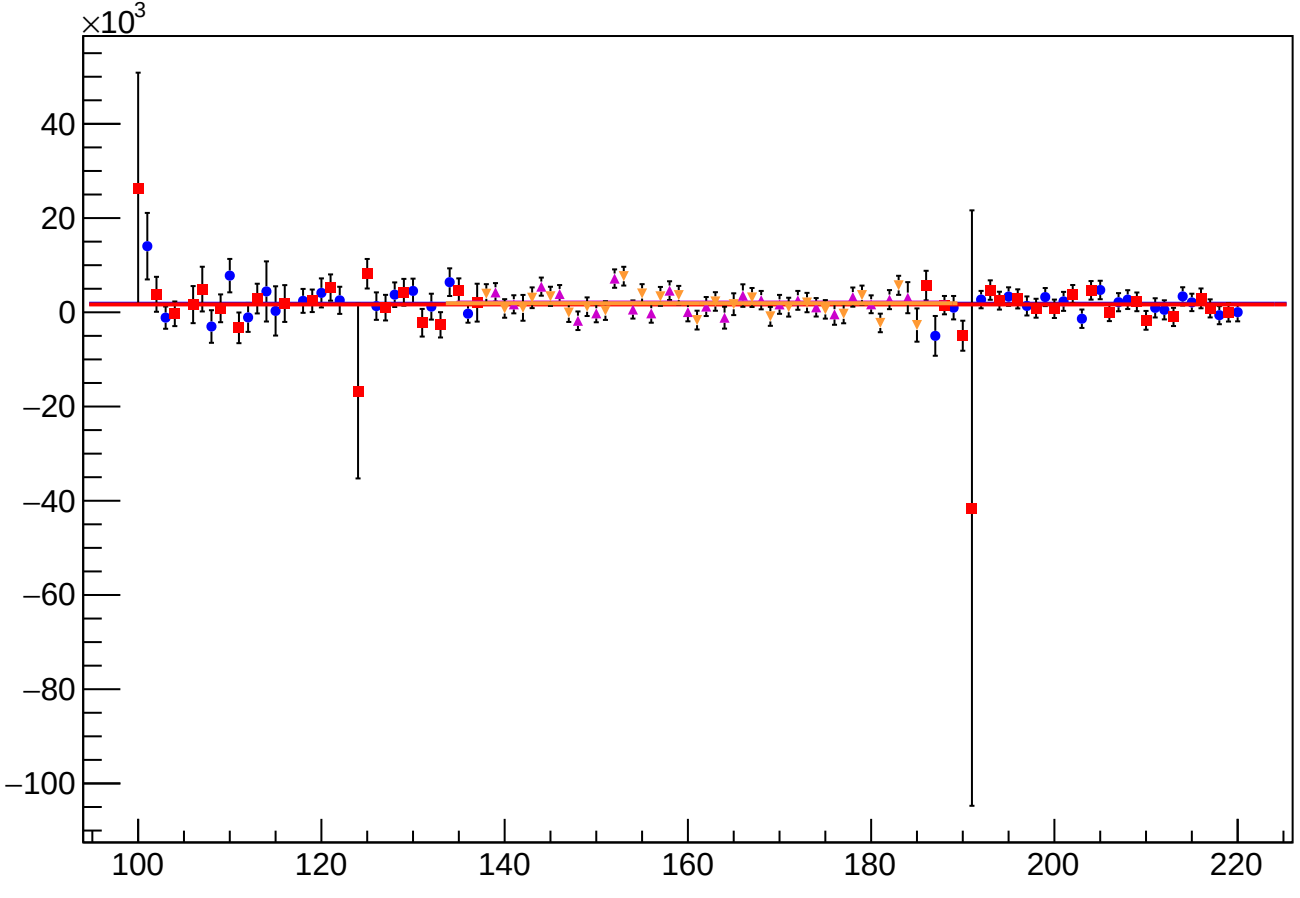
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 658.260+/-0.080 χ^2/NDF: 9762179.6/69

In: 551.472+/-0.070 χ^2/NDF:12794210.8/55

Out: 510.297+/-0.065 χ^2/NDF:15287553.3/61

All: 529.621+/-0.048 χ^2/NDF: 28267993.1/11



Right In: 1819.507+/-408.216 χ^2/NDF: 29.5/32

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1671.197+/-410.552 χ^2/NDF: 38.7/36

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

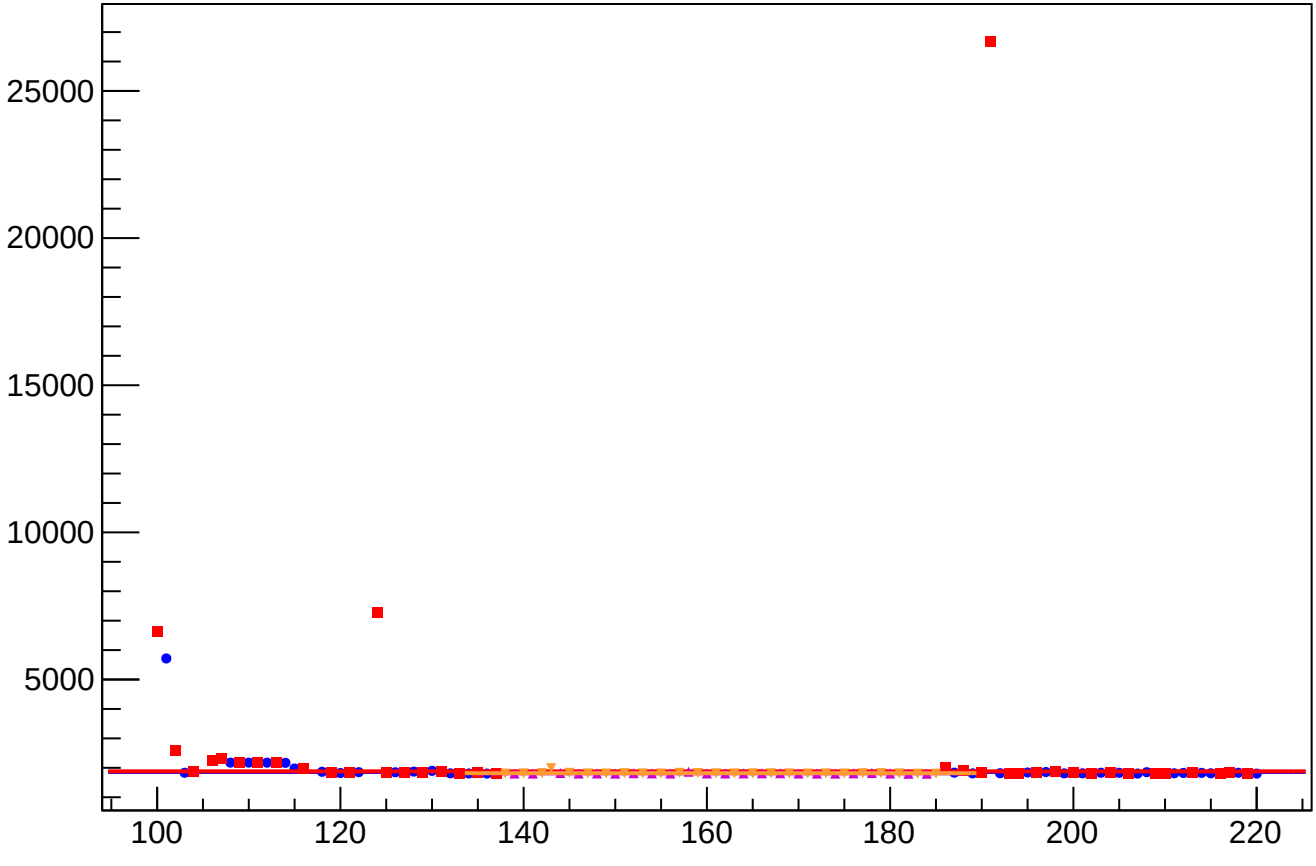
Right: 1745.775+/-289.475 χ^2/NDF: 68.3/69

In: 1942.315+/-293.808 χ^2/NDF:56.3/55

Out: 1795.177+/-291.136 χ^2/NDF:71.4/61

All: 1868.074+/-206.802 χ^2/NDF: 127.8/117

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1859.010+/-0.289 χ^2/NDF: 672616.5/32

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

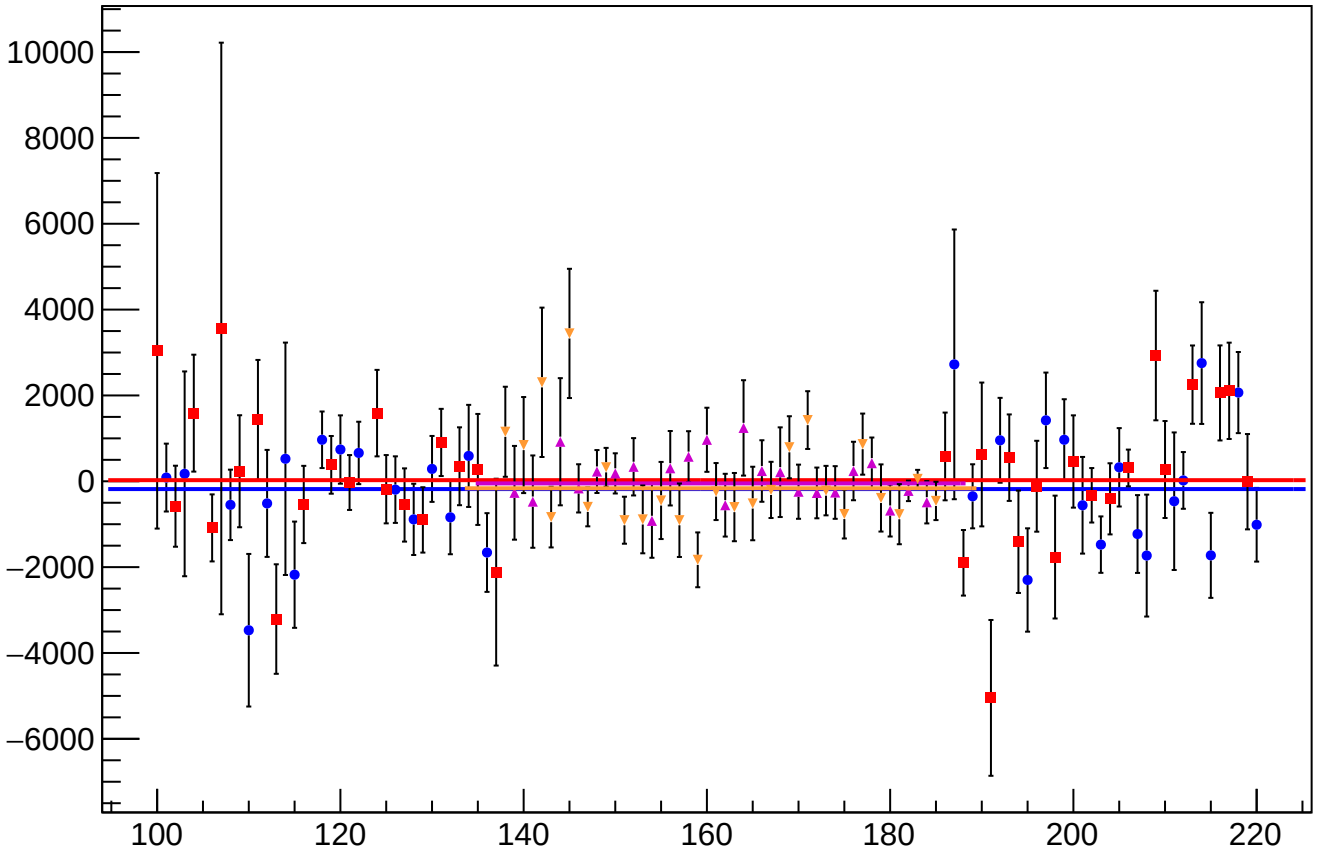
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1869.232+/-0.205 χ^2/NDF: 1426846.2/69

In: 1836.615+/-0.208 χ^2/NDF:687118.6/55

Out: 1848.726+/-0.206 χ^2/NDF:787372.4/61

All: 1842.726+/-0.146 χ^2/NDF: 1476205.9/11



Right In: -181.387+/-164.253 χ^2/NDF: 46.1/32

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 26.115+/-154.631 χ^2/NDF: 55.1/36

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

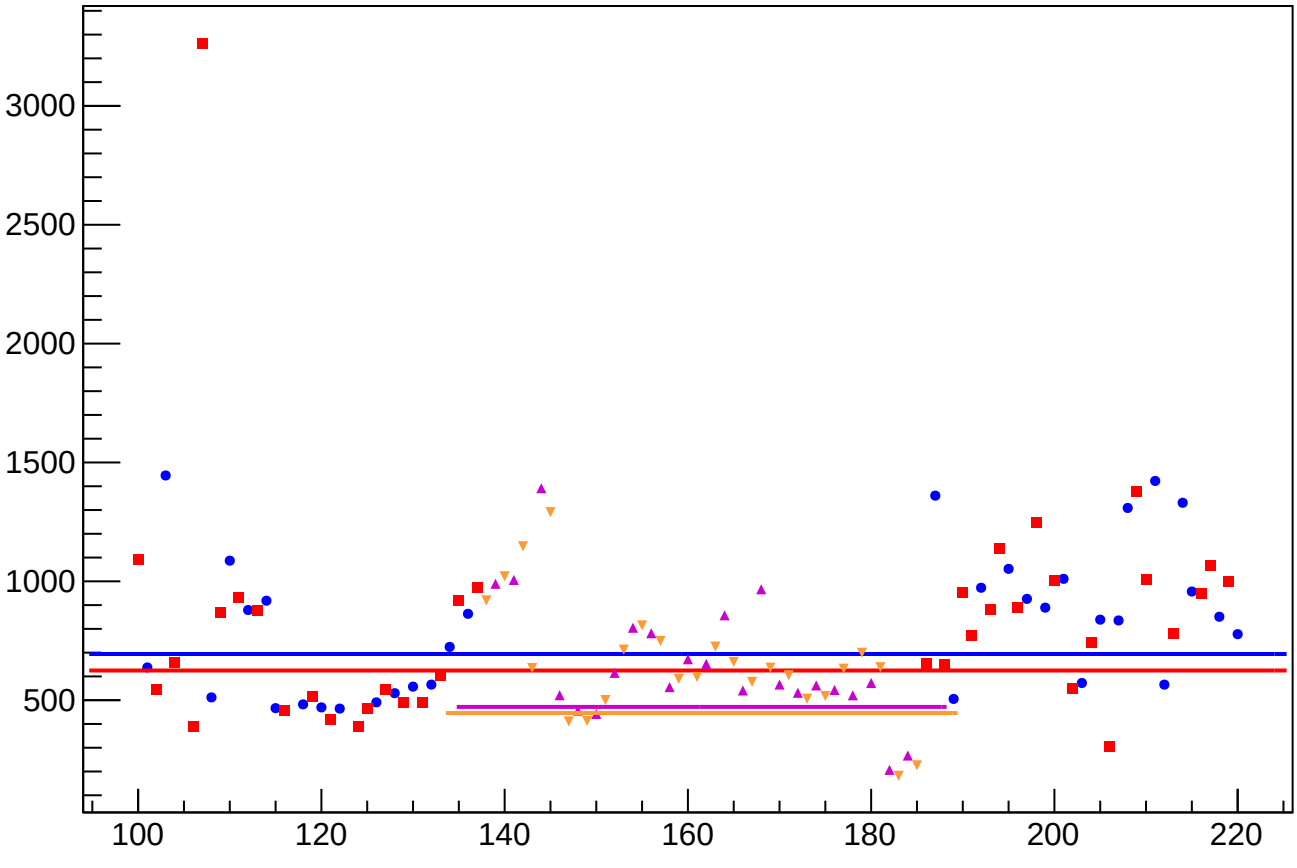
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -71.381+/-112.589 χ^2/NDF: 102.0/69

In: -96.612+/-98.297 χ^2/NDF:57.8/55

Out: -95.375+/-92.429 χ^2/NDF:92.9/61

All: -95.955+/-67.336 χ^2/NDF: 150.7/117



Right In: 694.322+/-0.116 χ^2/NDF: 4022472.6/32

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 624.887+/-0.109 χ^2/NDF: 5606766.1/36

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

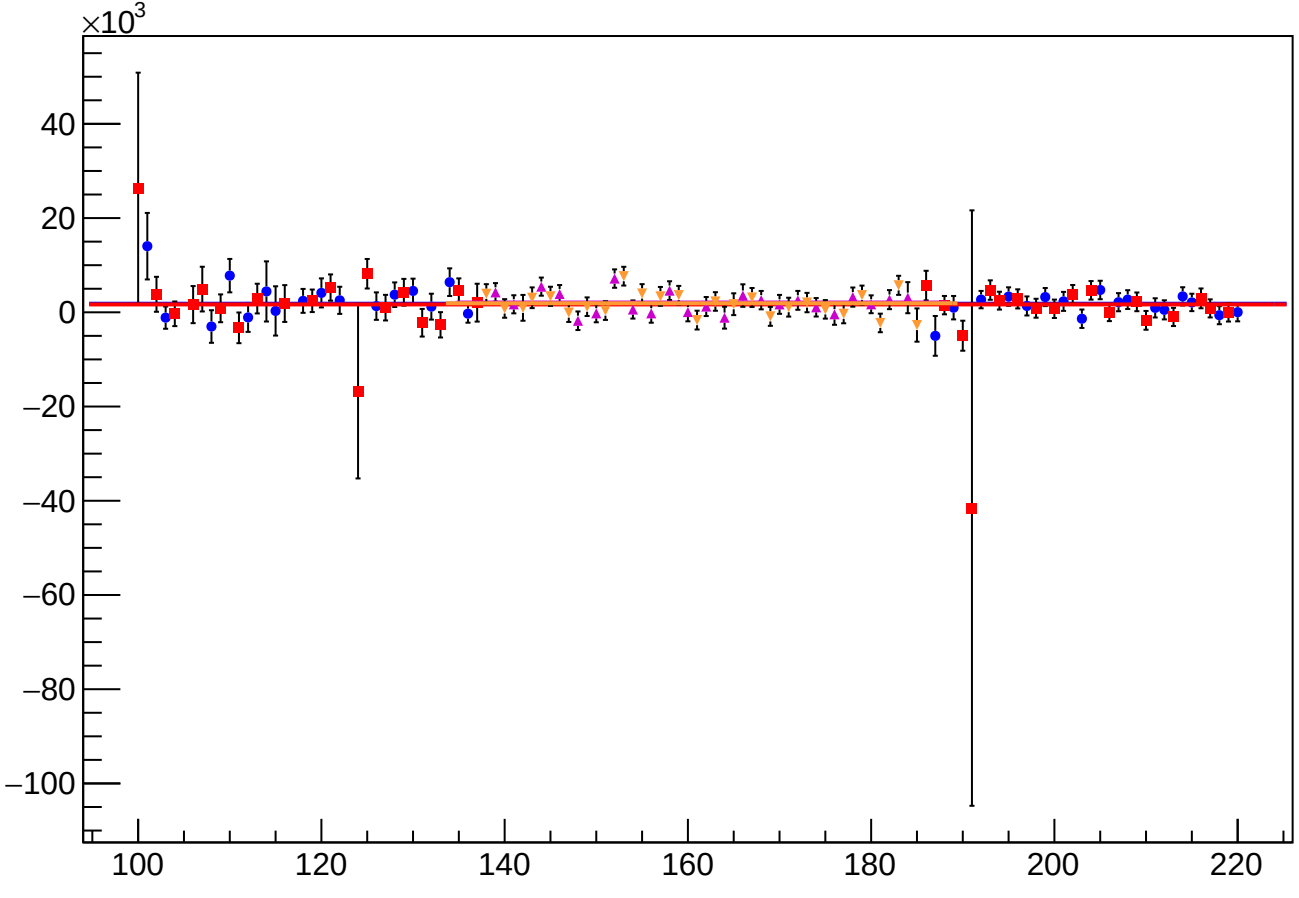
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 657.511+/-0.080 χ^2/NDF: 9818717.3/69

In: 551.467+/-0.070 χ^2/NDF:12793144.7/55

Out: 509.828+/-0.065 χ^2/NDF:15313514.4/61

All: 529.368+/-0.048 χ^2/NDF: 28297132.5/11



Right In: 1819.507+/-408.216 χ^2/NDF: 29.5/32

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1671.197+/-410.552 χ^2/NDF: 38.7/36

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

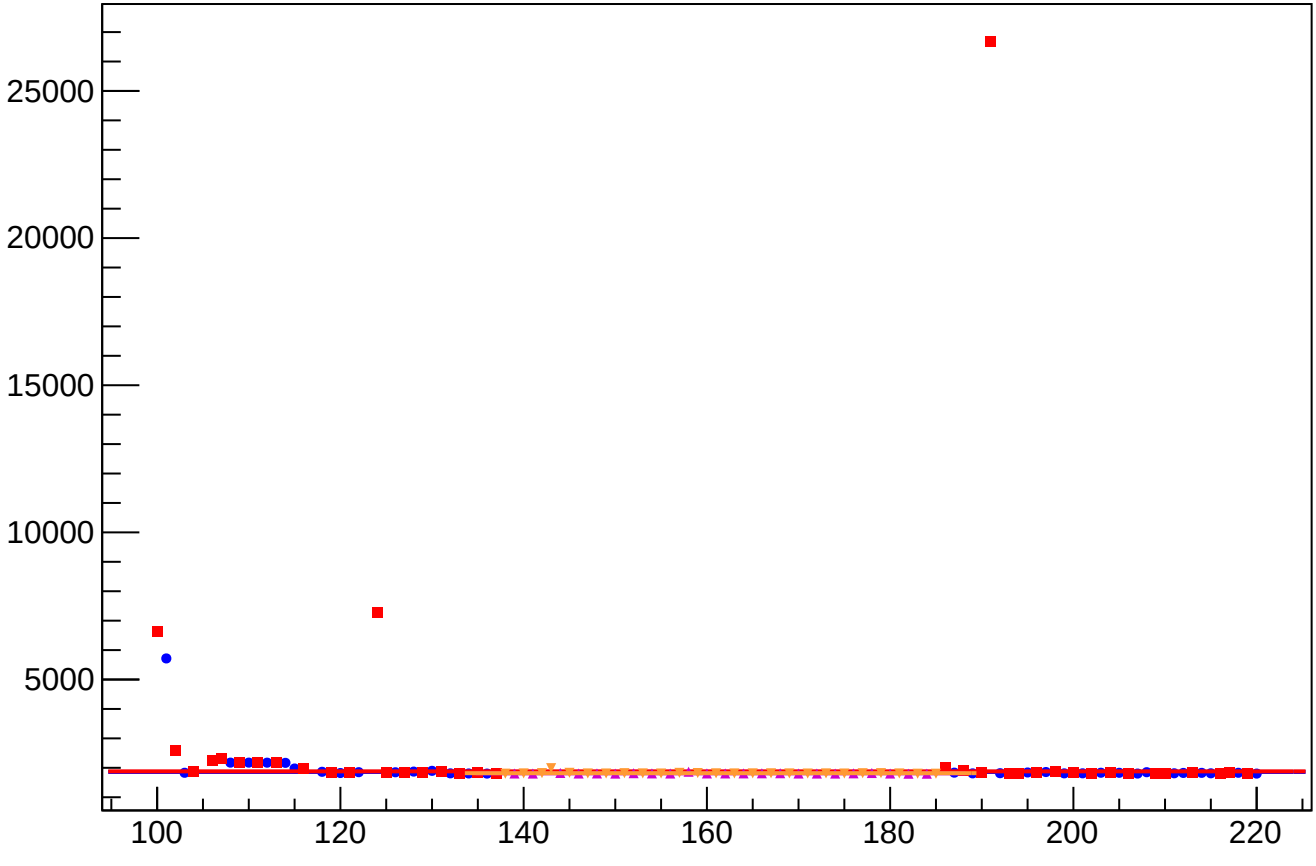
Right: 1745.775+/-289.475 χ^2/NDF: 68.3/69

In: 1942.315+/-293.808 χ^2/NDF:56.3/55

Out: 1795.177+/-291.136 χ^2/NDF:71.4/61

All: 1868.074+/-206.802 χ^2/NDF: 127.8/117

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1859.010+/-0.289 χ^2/NDF: 672616.5/32

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

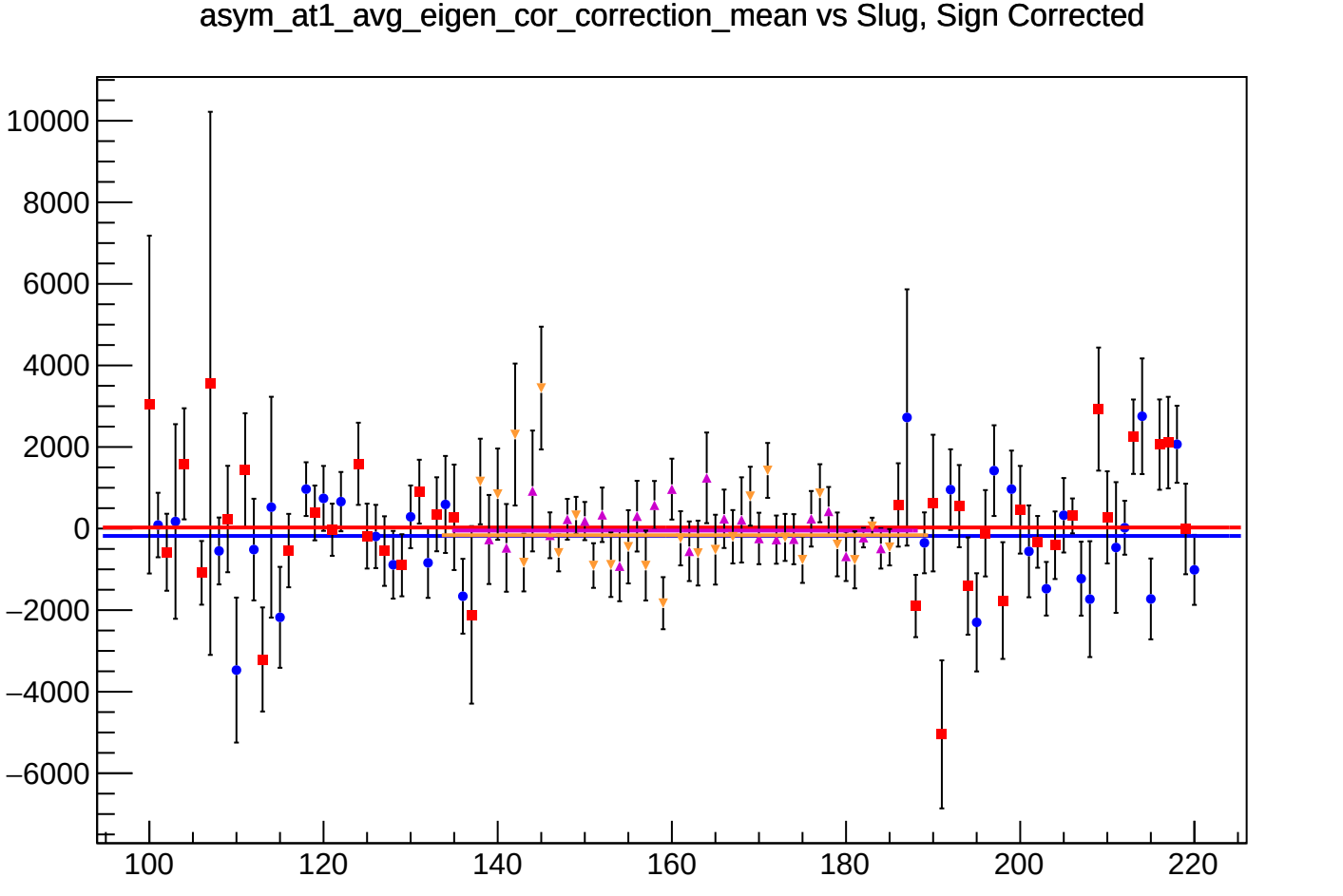
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

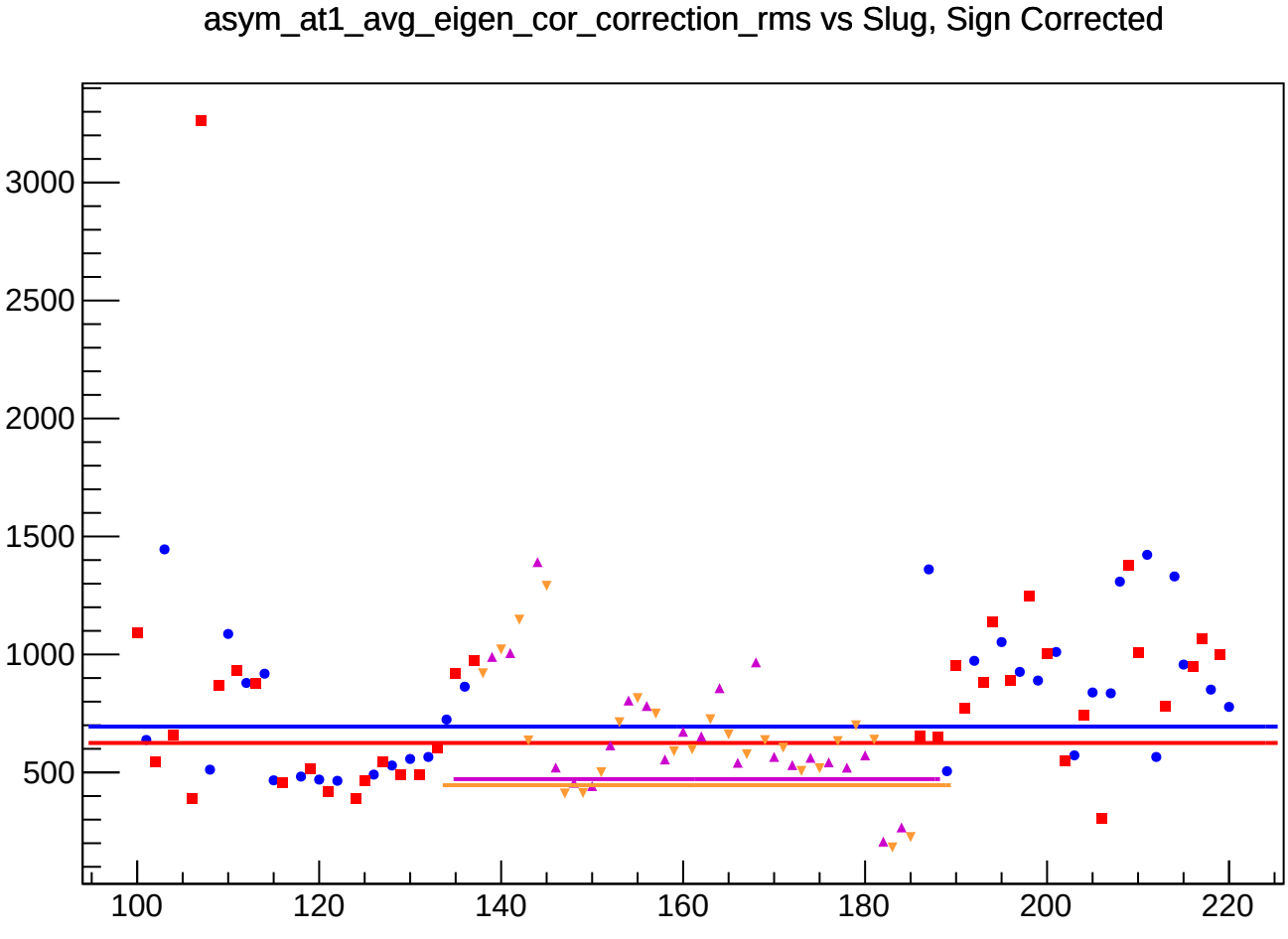
Right: 1869.232+/-0.205 χ^2/NDF: 1426846.2/69

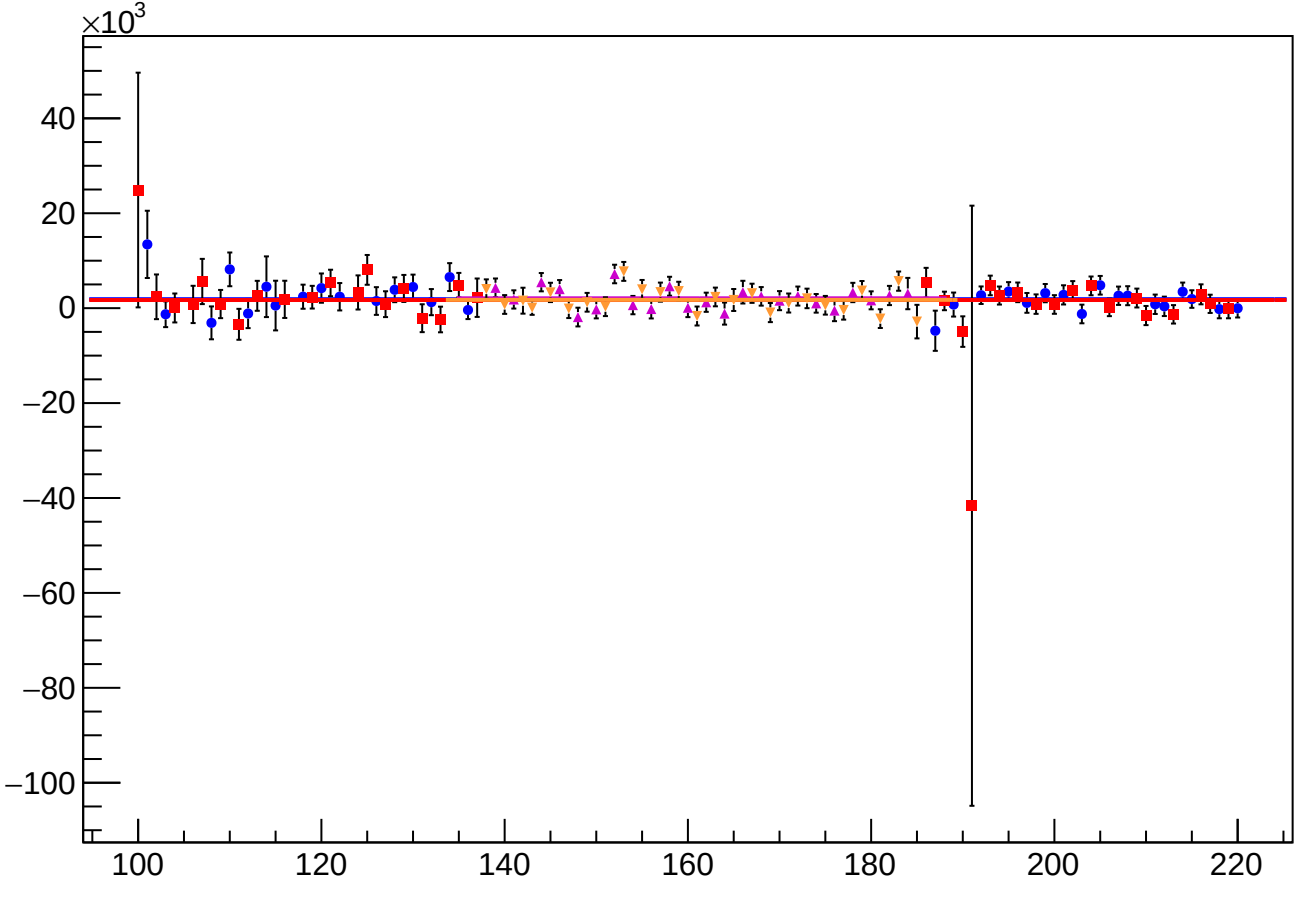
In: 1836.615+/-0.208 χ^2/NDF:687118.6/55

Out: 1848.726+/-0.206 χ^2/NDF:787372.4/61

All: 1842.726+/-0.146 χ^2/NDF: 1476205.9/11


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
200
220
Right In: -181.387+/-164.253 χ²/NDF: 46.1/32
Left Out: -162.911+/-115.291 χ²/NDF:36.9/24
Right Out: 26.115+/-154.631 χ²/NDF: 55.1/36
Left In: -49.310+/-122.694 χ²/NDF:11.3/22
Left: -109.640+/-84.018 χ²/NDF: 48.6/47
Right: -71.381+/-112.589 χ²/NDF: 102.0/69
In: -96.612+/-98.297 χ²/NDF:57.8/55
Out: -95.375+/-92.429 χ²/NDF:92.9/61
All: -95.955+/-67.336 χ²/NDF: 150.7/117


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 694.322+/-0.116 χ²/NDF: 4022472.6/32
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 624.887+/-0.109 χ²/NDF: 5606766.1/36
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 657.511+/-0.080 χ²/NDF: 9818717.3/69
In: 551.467+/-0.070 χ²/NDF:12793144.7/55
Out: 509.828+/-0.065 χ²/NDF:15313514.4/61
All: 529.368+/-0.048 χ²/NDF: 28297132.5/1



Right In: 1887.836+/-411.556 χ^2/NDF: 29.5/32

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1717.597+/-412.578 χ^2/NDF: 37.0/36

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

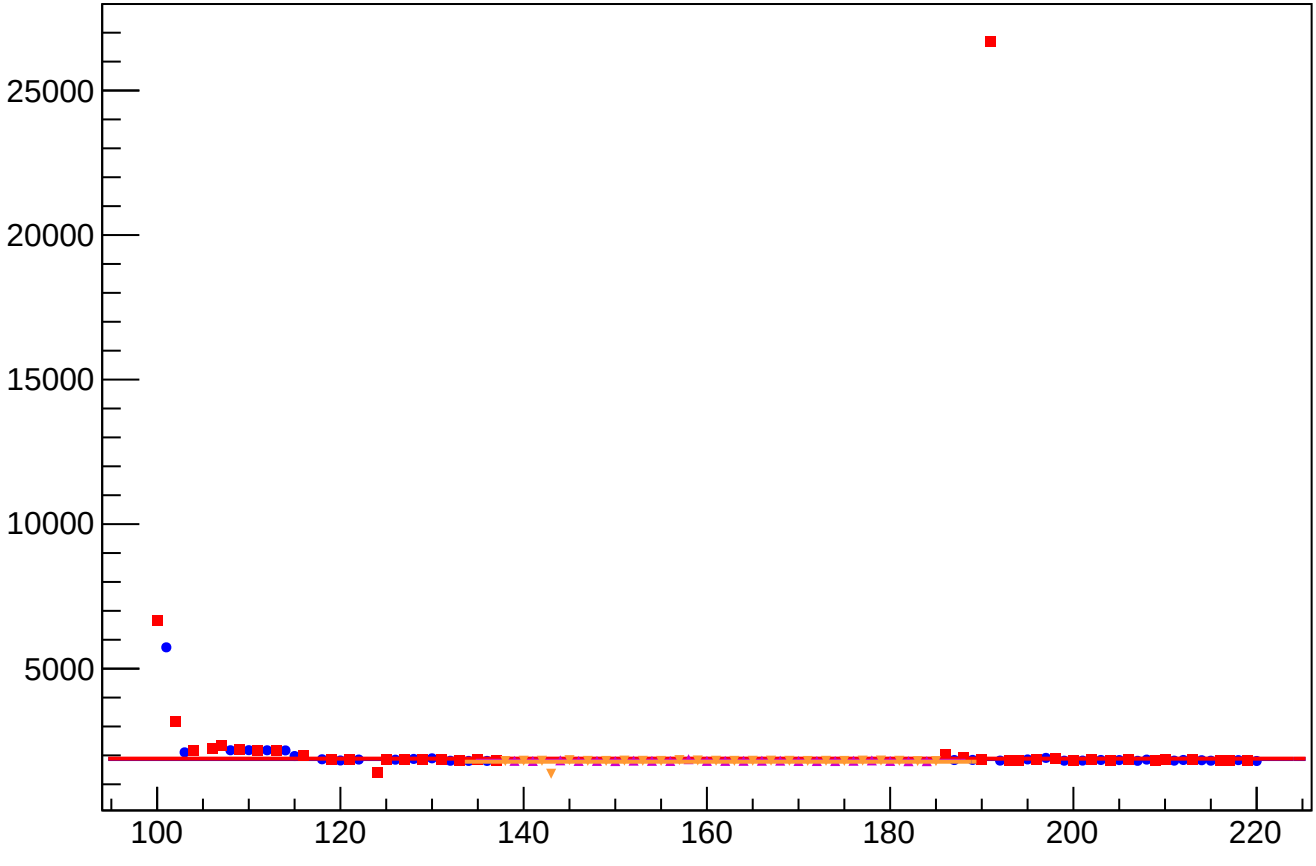
Right: 1802.928+/-291.375 χ^2/NDF: 66.7/69

In: 1977.952+/-295.196 χ^2/NDF:56.6/55

Out: 1736.877+/-289.166 χ^2/NDF:70.8/61

All: 1854.927+/-206.570 χ^2/NDF: 127.8/117

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1873.710+/-0.291 χ^2/NDF: 686645.3/32

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1887.699+/-0.292 χ^2/NDF: 705752.0/36

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

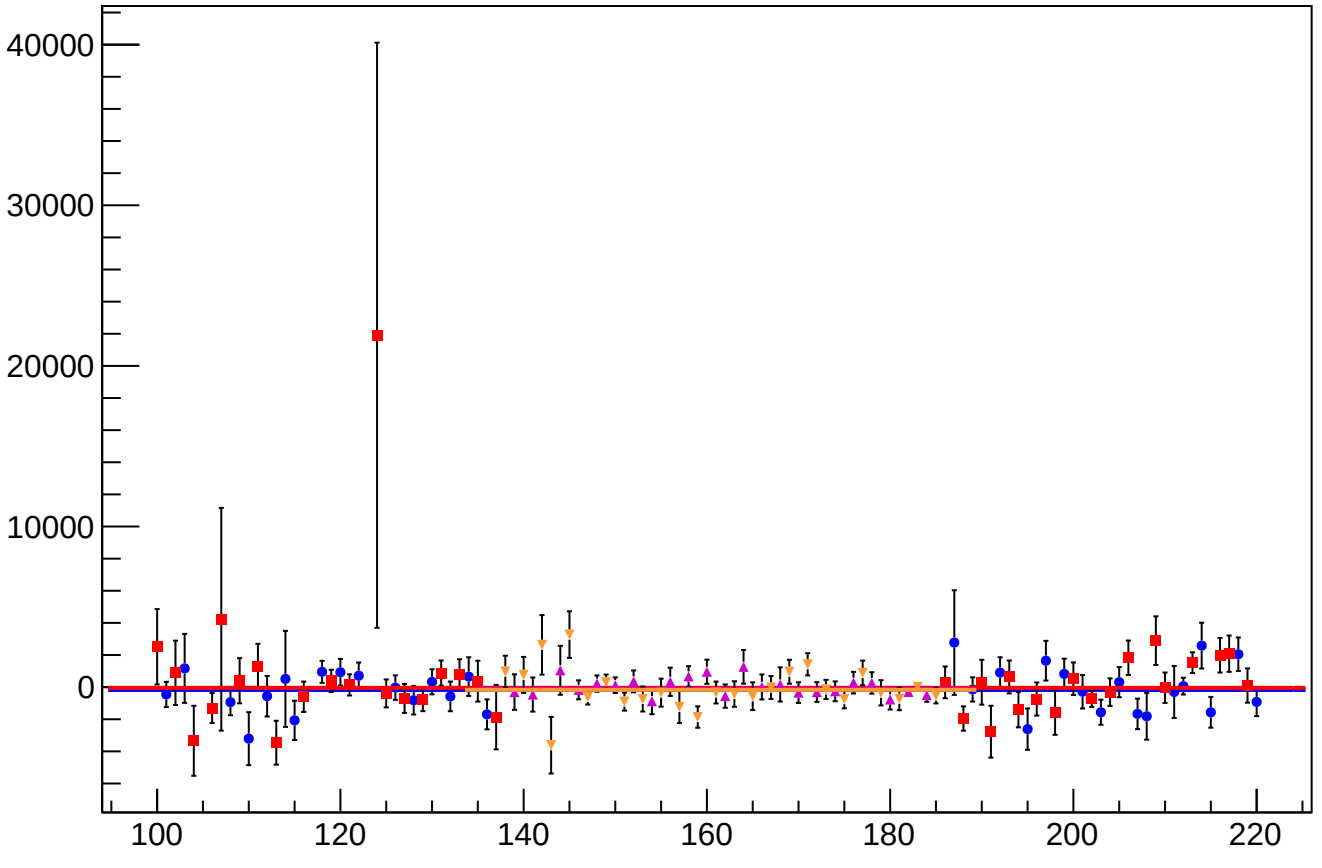
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1880.687+/-0.206 χ^2/NDF: 1393549.7/69

In: 1844.930+/-0.209 χ^2/NDF:708883.4/55

Out: 1833.369+/-0.204 χ^2/NDF:938854.6/61

All: 1839.030+/-0.146 χ^2/NDF: 1649303.5/11



Right In: -176.833+/-166.069 χ^2/NDF: 44.7/32

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -42.273+/-163.031 χ^2/NDF: 55.5/36

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

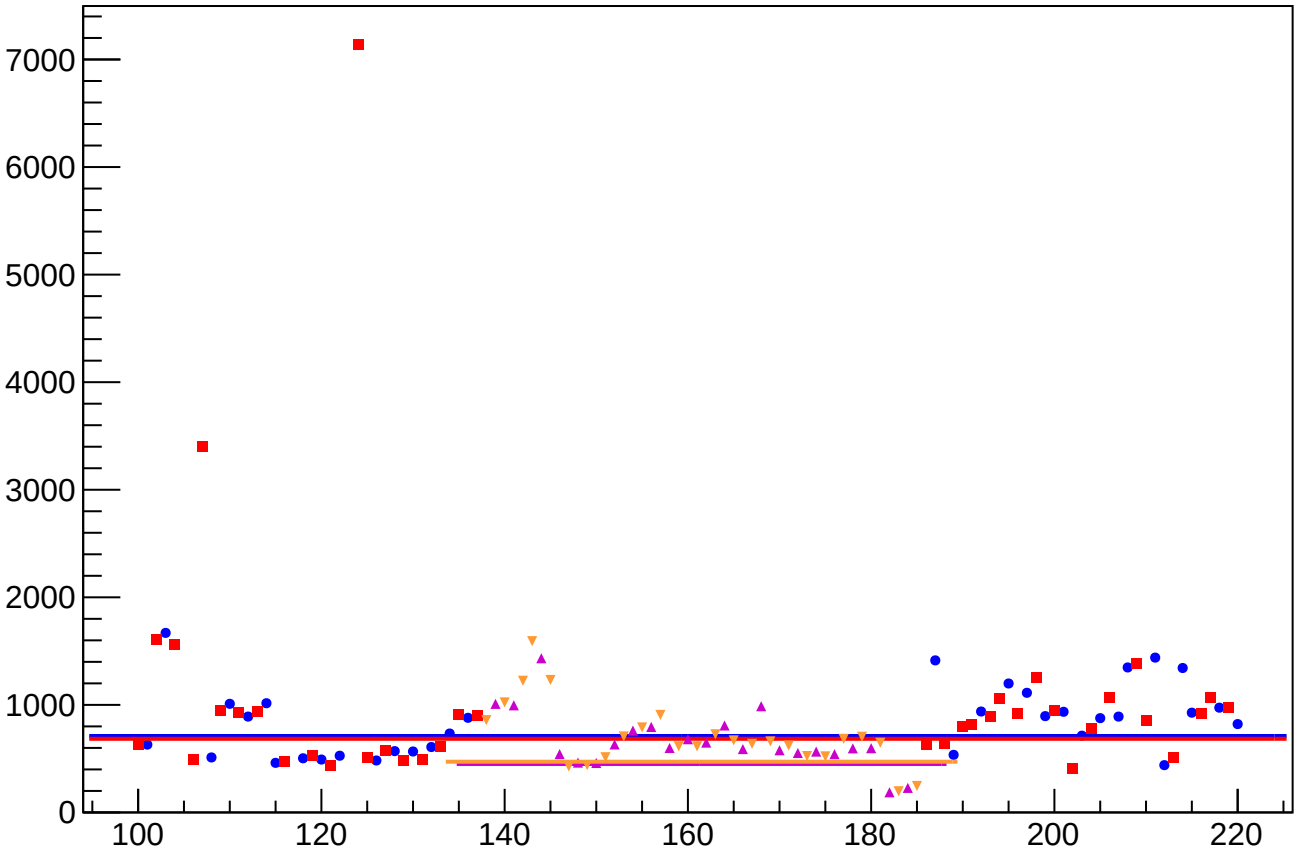
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -108.311+/-116.340 χ^2/NDF: 100.5/69

In: -137.612+/-97.143 χ^2/NDF:57.1/55

Out: -122.986+/-97.488 χ^2/NDF:94.2/61

All: -130.325+/-68.812 χ^2/NDF: 151.3/117



Right In: 710.845+/-0.117 χ^2/NDF: 4659352.9/32

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 684.877+/-0.115 χ^2/NDF: 5509203.4/36

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

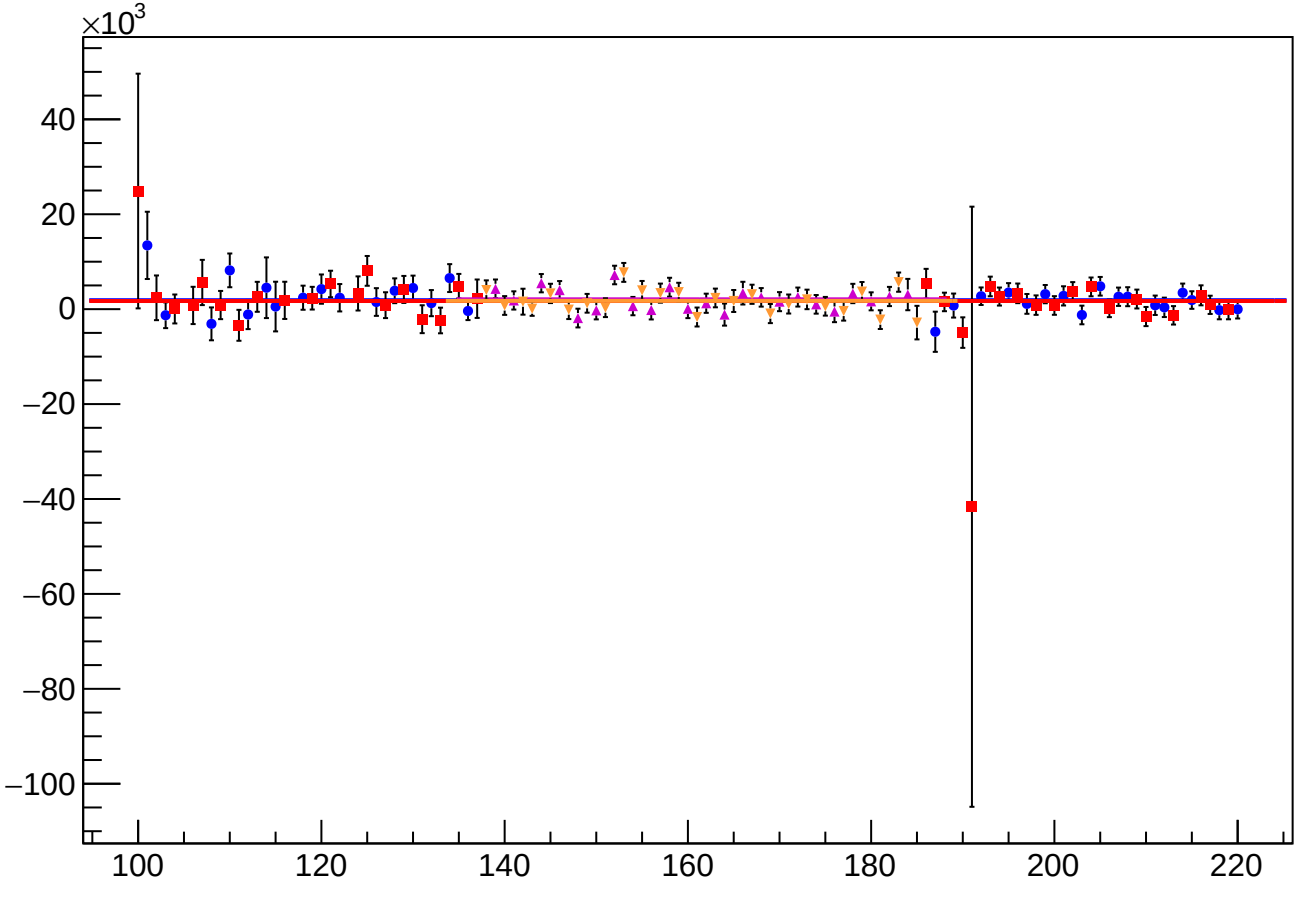
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 697.621+/-0.082 χ^2/NDF: 10193458.1/69

In: 539.683+/-0.069 χ^2/NDF:15817341.9/55

Out: 547.974+/-0.069 χ^2/NDF:15817118.4/61

All: 543.814+/-0.049 χ^2/NDF: 31641720.1/11



Right In: 1887.835+/-411.556 χ^2/NDF: 29.5/32

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1717.595+/-412.578 χ^2/NDF: 37.0/36

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

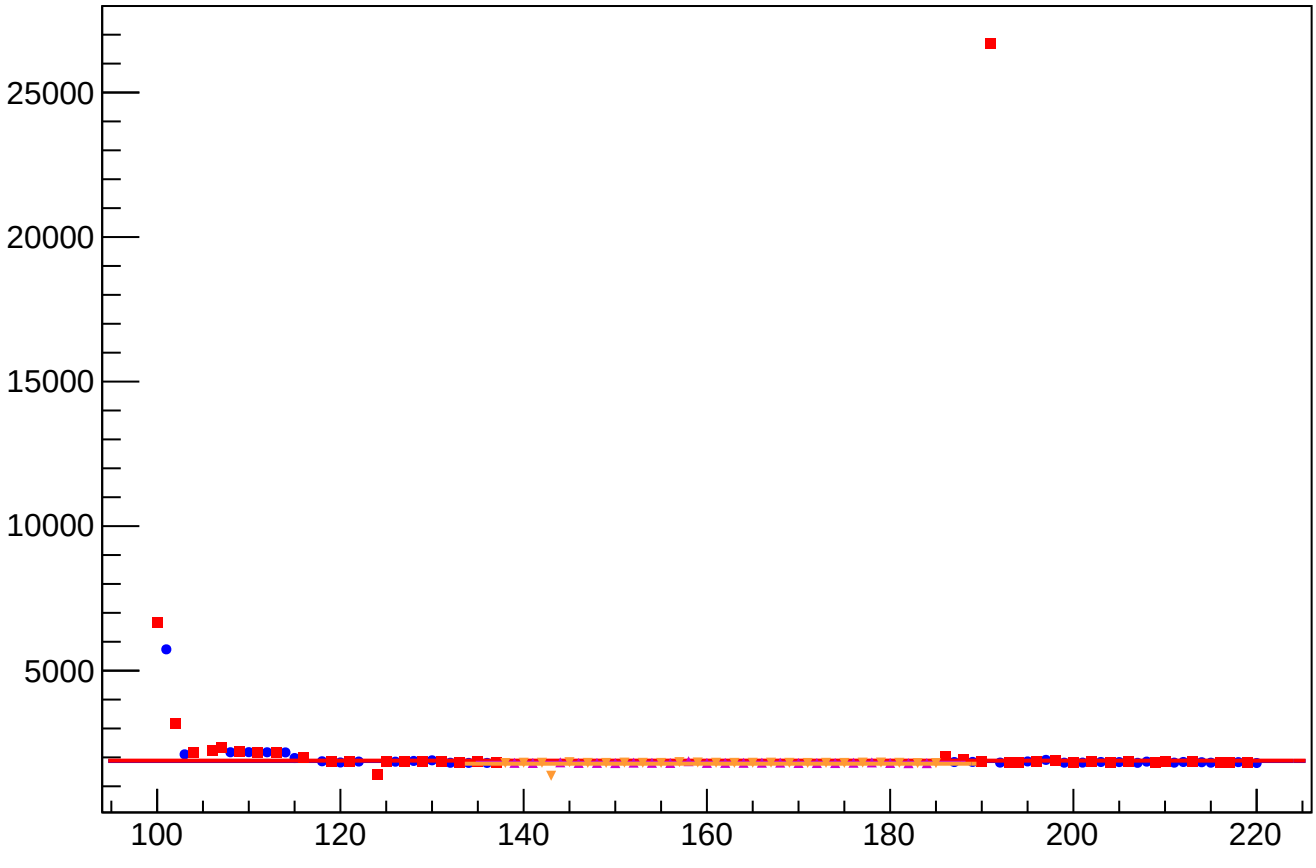
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1802.927+/-291.375 χ^2/NDF: 66.7/69

In: 1977.952+/-295.196 χ^2/NDF:56.6/55

Out: 1736.877+/-289.166 χ^2/NDF:70.8/61

All: 1854.927+/-206.570 χ^2/NDF: 127.8/117



Right In: 1873.710+/-0.291 χ^2/NDF: 686644.8/32

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1887.698+/-0.292 χ^2/NDF: 705750.6/36

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

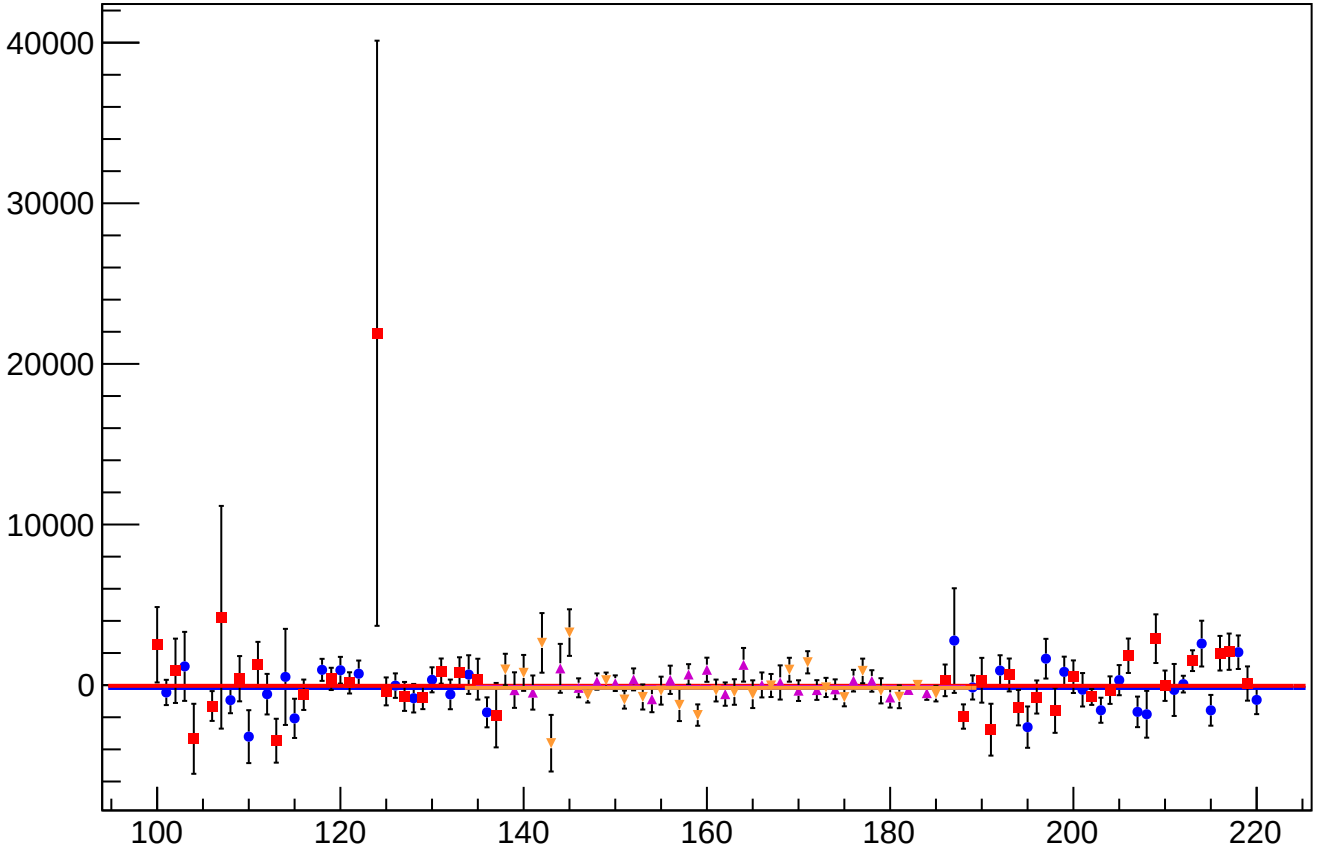
Right: 1880.687+/-0.206 χ^2/NDF: 1393547.8/69

In: 1844.930+/-0.209 χ^2/NDF:708883.0/55

Out: 1833.369+/-0.204 χ^2/NDF:938853.0/61

All: 1839.030+/-0.146 χ^2/NDF: 1649301.5/11

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -176.833+/-166.069 χ^2/NDF: 44.7/32

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -42.274+/-163.031 χ^2/NDF: 55.5/36

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

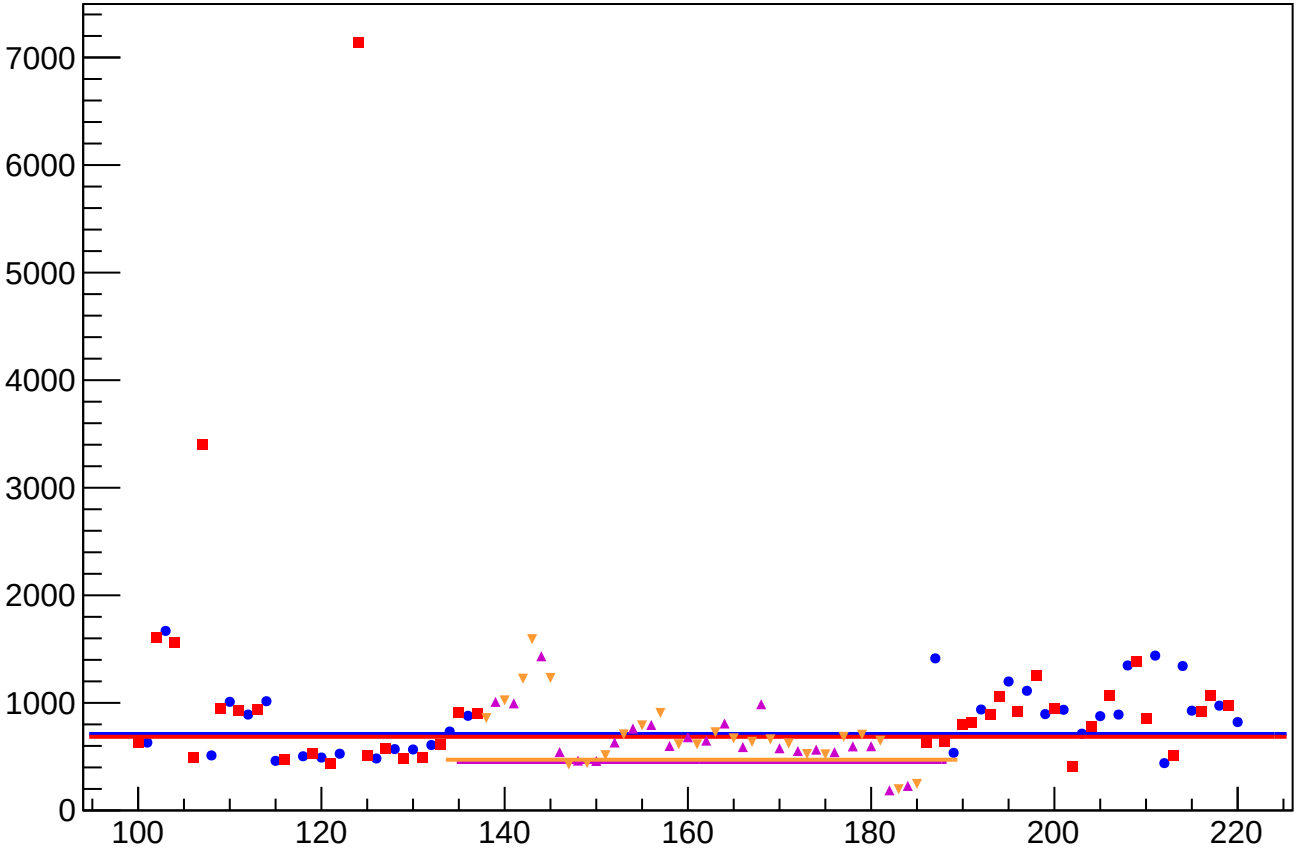
Right: -108.312+/-116.340 χ^2/NDF: 100.5/69

In: -137.612+/-97.143 χ^2/NDF:57.1/55

Out: -122.986+/-97.488 χ^2/NDF:94.2/61

All: -130.325+/-68.812 χ^2/NDF: 151.3/117

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 710.844+/-0.117 χ^2/NDF: 4659388.7/32

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 684.877+/-0.115 χ^2/NDF: 5509224.4/36

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

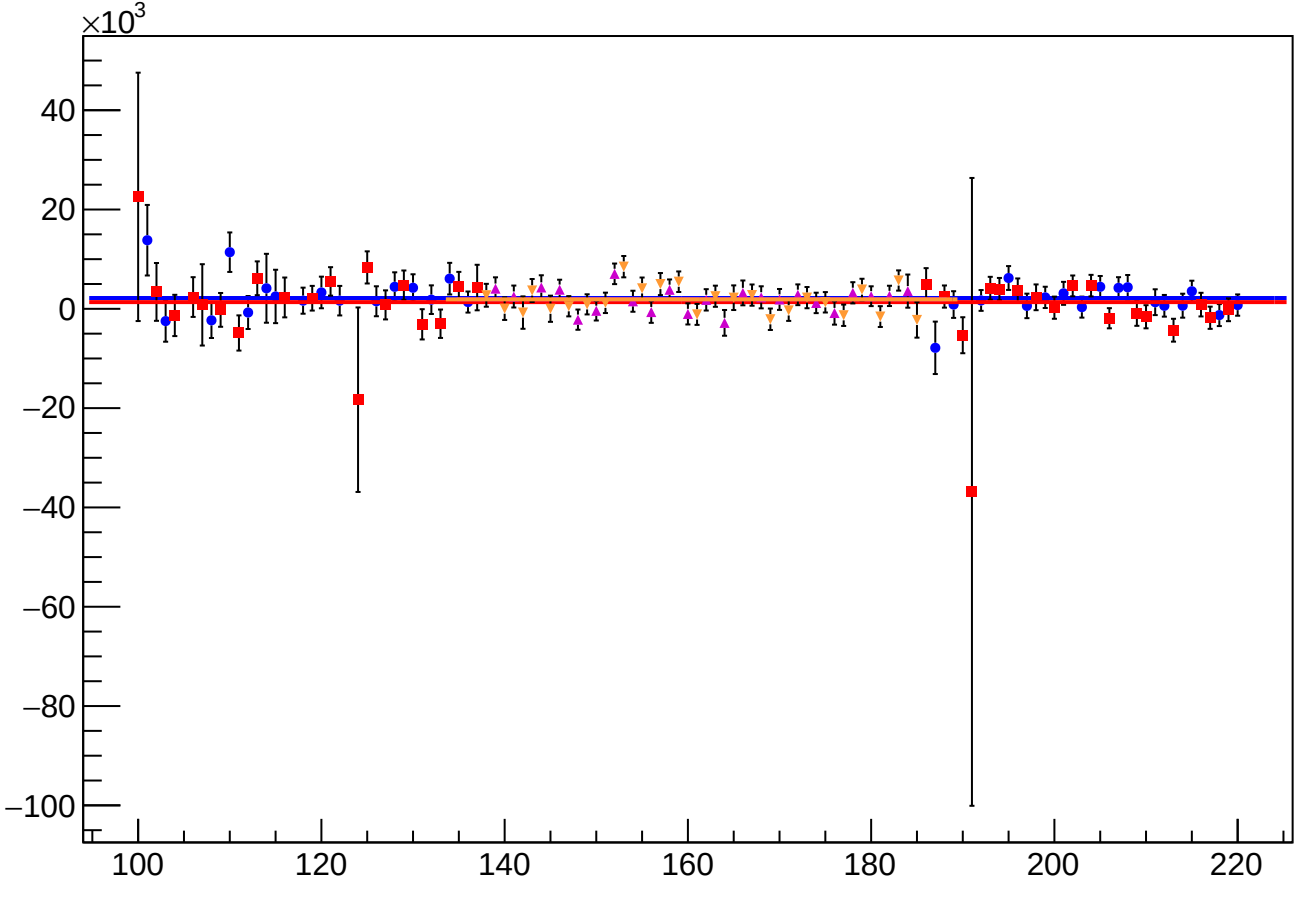
Right: 697.621+/-0.082 χ^2/NDF: 10193514.0/69

In: 539.683+/-0.069 χ^2/NDF:15817327.3/55

Out: 547.975+/-0.069 χ^2/NDF:15817123.5/61

All: 543.814+/-0.049 χ^2/NDF: 31641710.4/11

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2179.107+/-463.394 χ^2/NDF: 29.9/32

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 1351.978+/-468.610 χ^2/NDF: 49.8/36

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

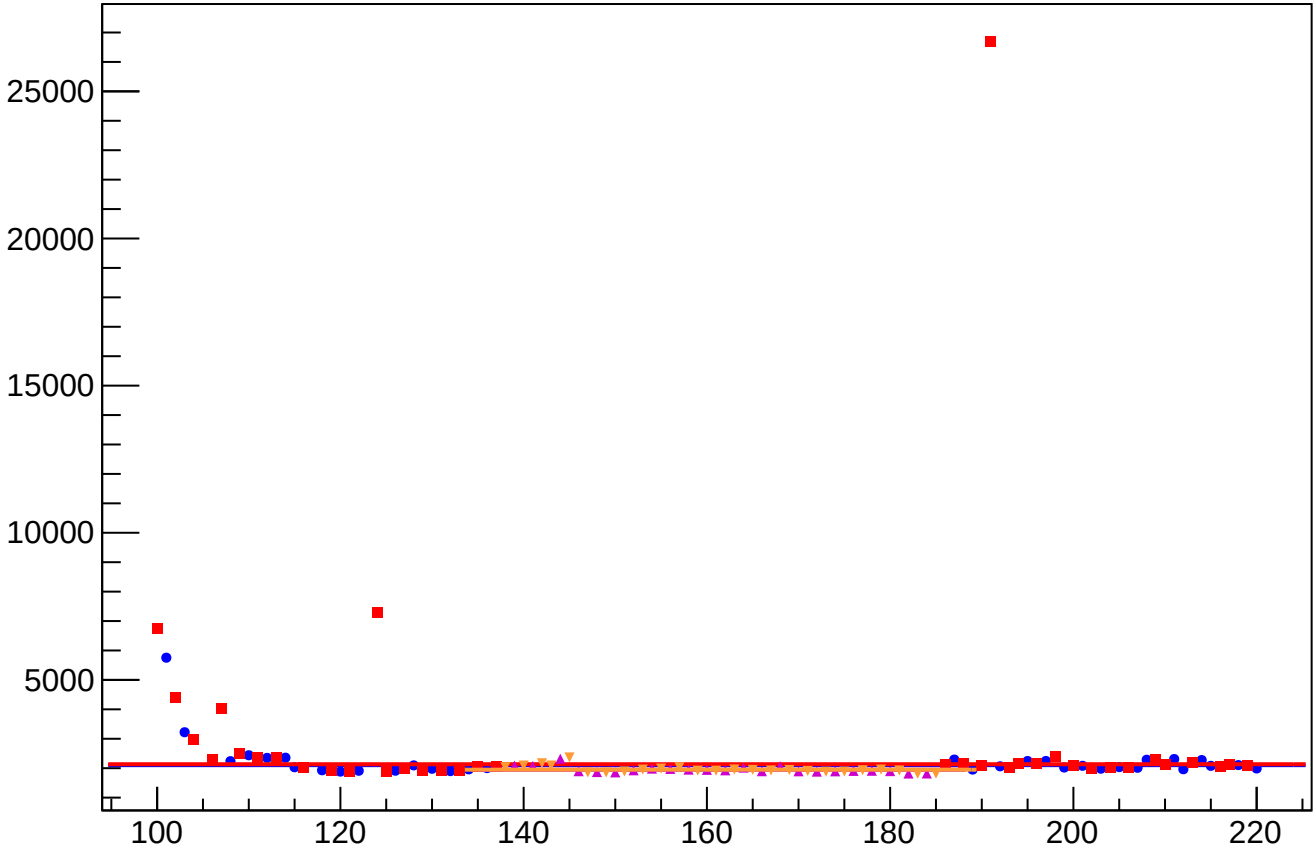
Right: 1770.171+/-329.497 χ^2/NDF: 81.3/69

In: 2050.497+/-324.617 χ^2/NDF:54.8/55

Out: 1644.937+/-322.122 χ^2/NDF:86.8/61

All: 1846.152+/-228.652 χ^2/NDF: 142.4/117

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2103.551+/-0.328 χ^2/NDF: 846605.8/32

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2134.532+/-0.331 χ^2/NDF: 1190139.0/36

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

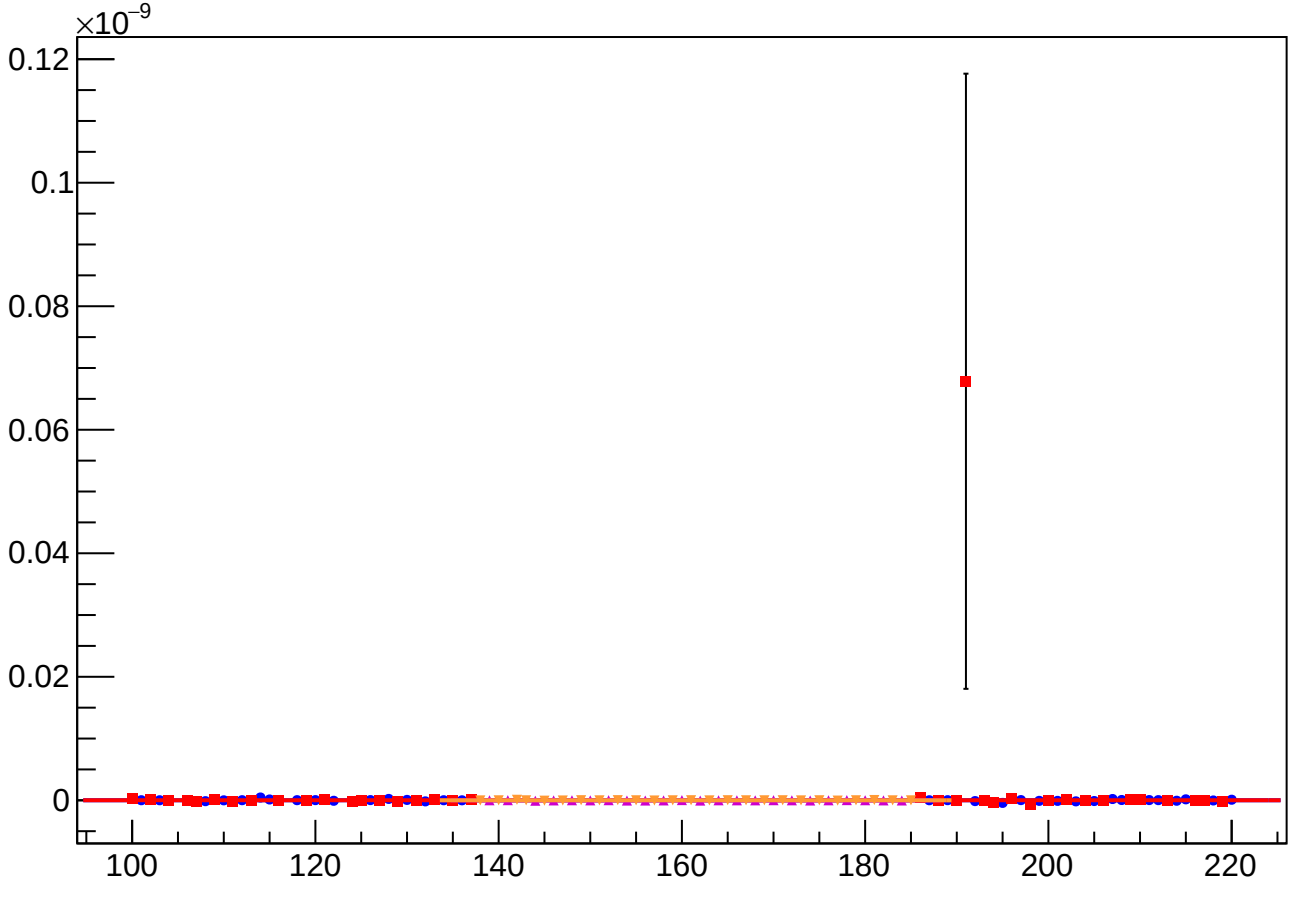
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2118.868+/-0.233 χ^2/NDF: 2041164.3/69

In: 2022.873+/-0.230 χ^2/NDF:1061600.6/55

Out: 2036.668+/-0.228 χ^2/NDF:1464028.7/61

All: 2029.824+/-0.162 χ^2/NDF: 2527449.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 36.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/36

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

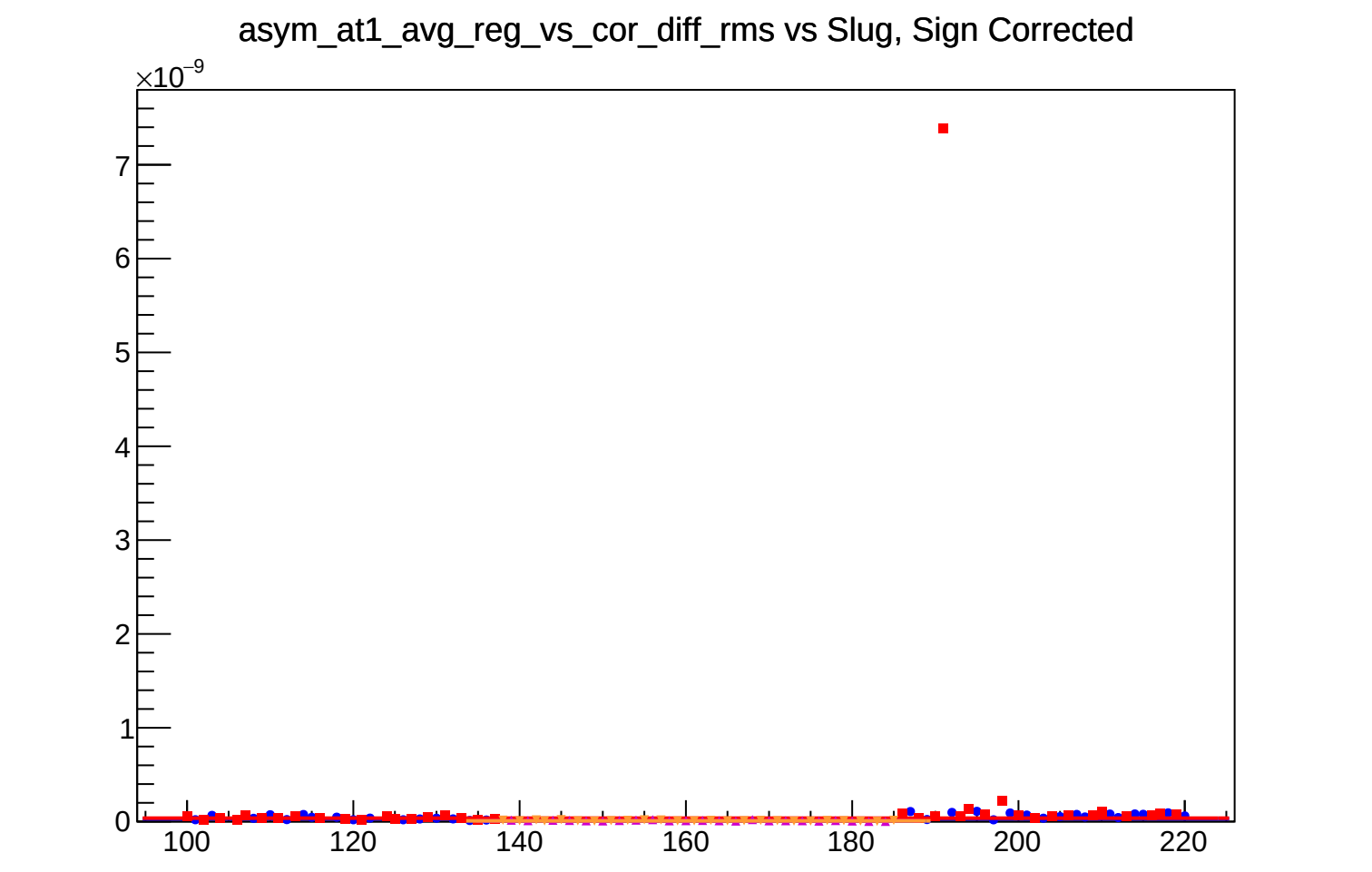
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 70.1/69

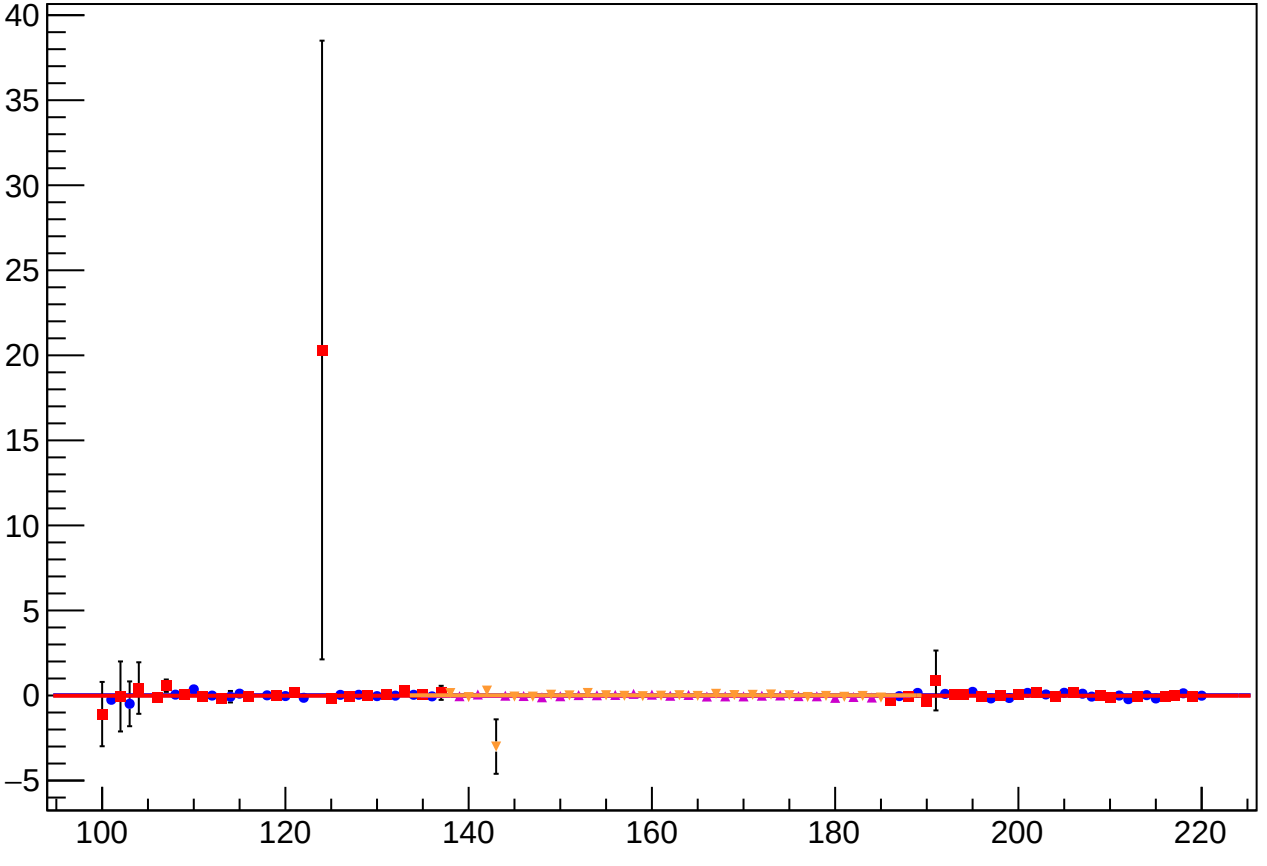
In: -0.000+/-0.000 χ^2/NDF:68.4/55

Out: 0.000+/-0.000 χ^2/NDF:62.8/61

All: -0.000+/-0.000 χ^2/NDF: 131.8/117


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5219123.2/32
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4326637.2/36
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: 9821415.5/69
In: 0.000+/-0.000 χ²/NDF:13359709.3/55
Out: 0.000+/-0.000 χ²/NDF:13429516.8/61
All: 0.000+/-0.000 χ²/NDF: 26798142.0/117

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.017 χ^2/NDF: 34.1/32

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

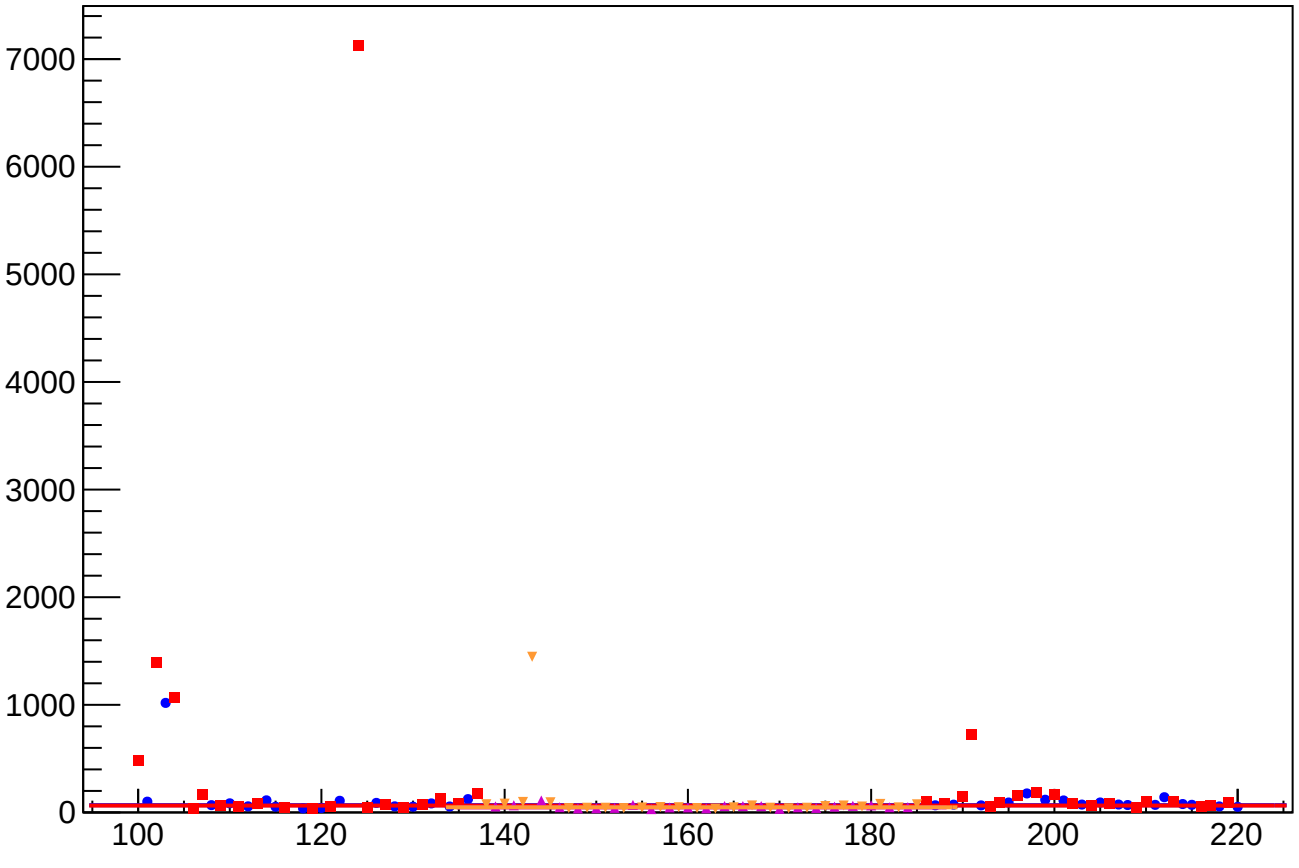
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.002+/-0.012 χ^2/NDF: 67.9/69

In: -0.006+/-0.010 χ^2/NDF:57.3/55

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 120.8/117



Right In: 67.633+/-0.012 χ^2/NDF: 4435899.3/32

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

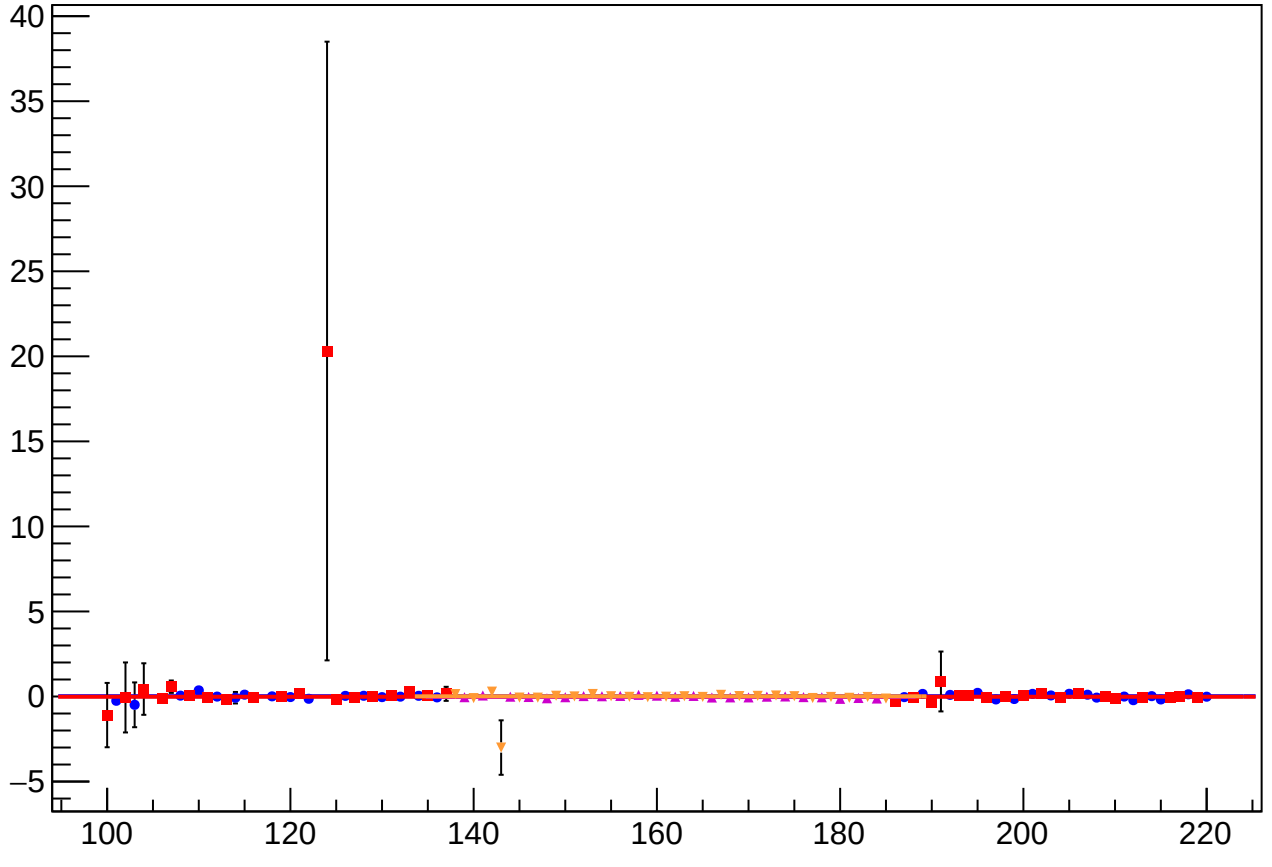
Right: 65.810+/-0.009 χ^2/NDF: 11400387.7/69

In: 53.650+/-0.007 χ^2/NDF:8291110.6/55

Out: 53.355+/-0.007 χ^2/NDF:11552705.1/61

All: 53.503+/-0.005 χ^2/NDF: 19844672.3/117

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.017 χ^2/NDF: 34.1/32

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

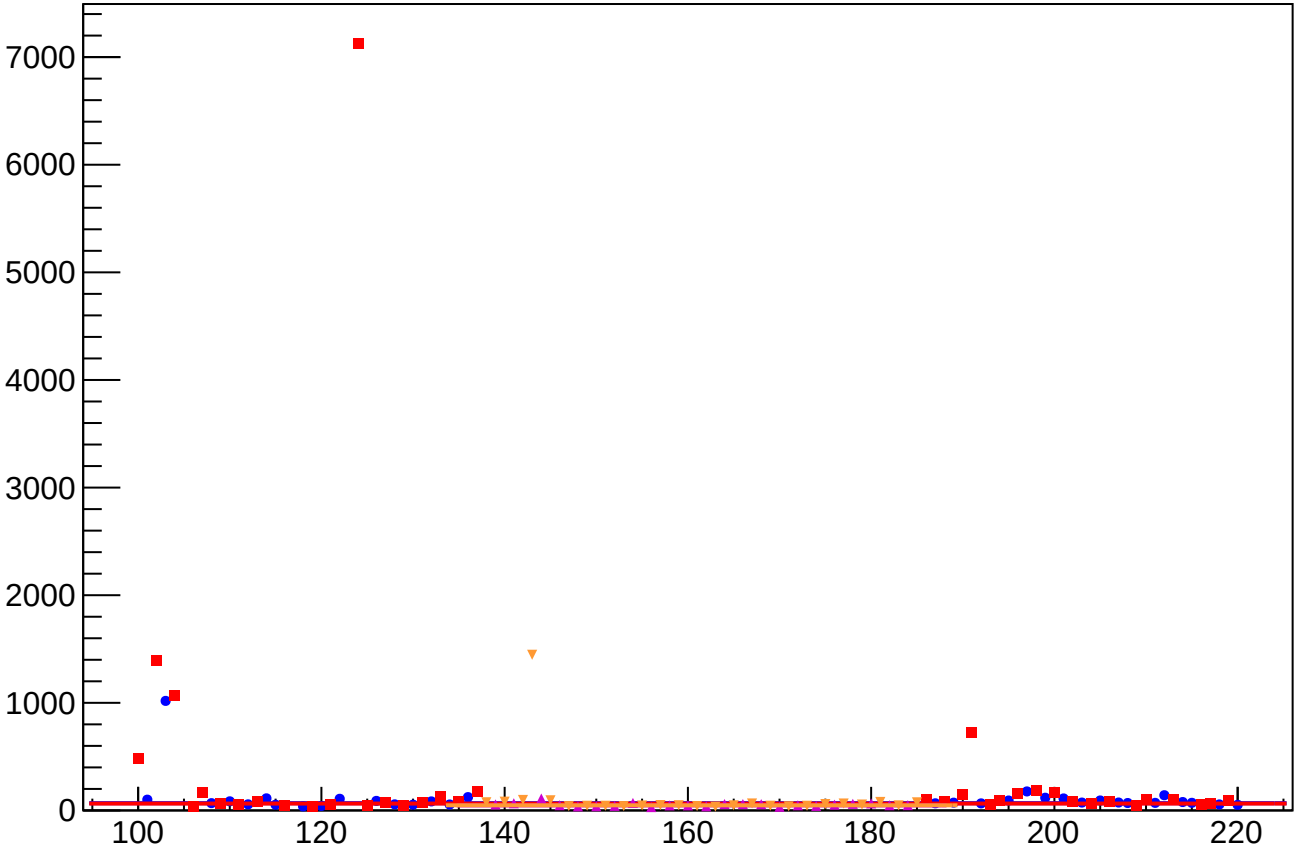
Right: 0.002+/-0.012 χ^2/NDF: 67.9/69

In: -0.006+/-0.010 χ^2/NDF:57.3/55

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 120.8/117

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.633+/-0.012 χ^2/NDF: 4435899.3/32

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

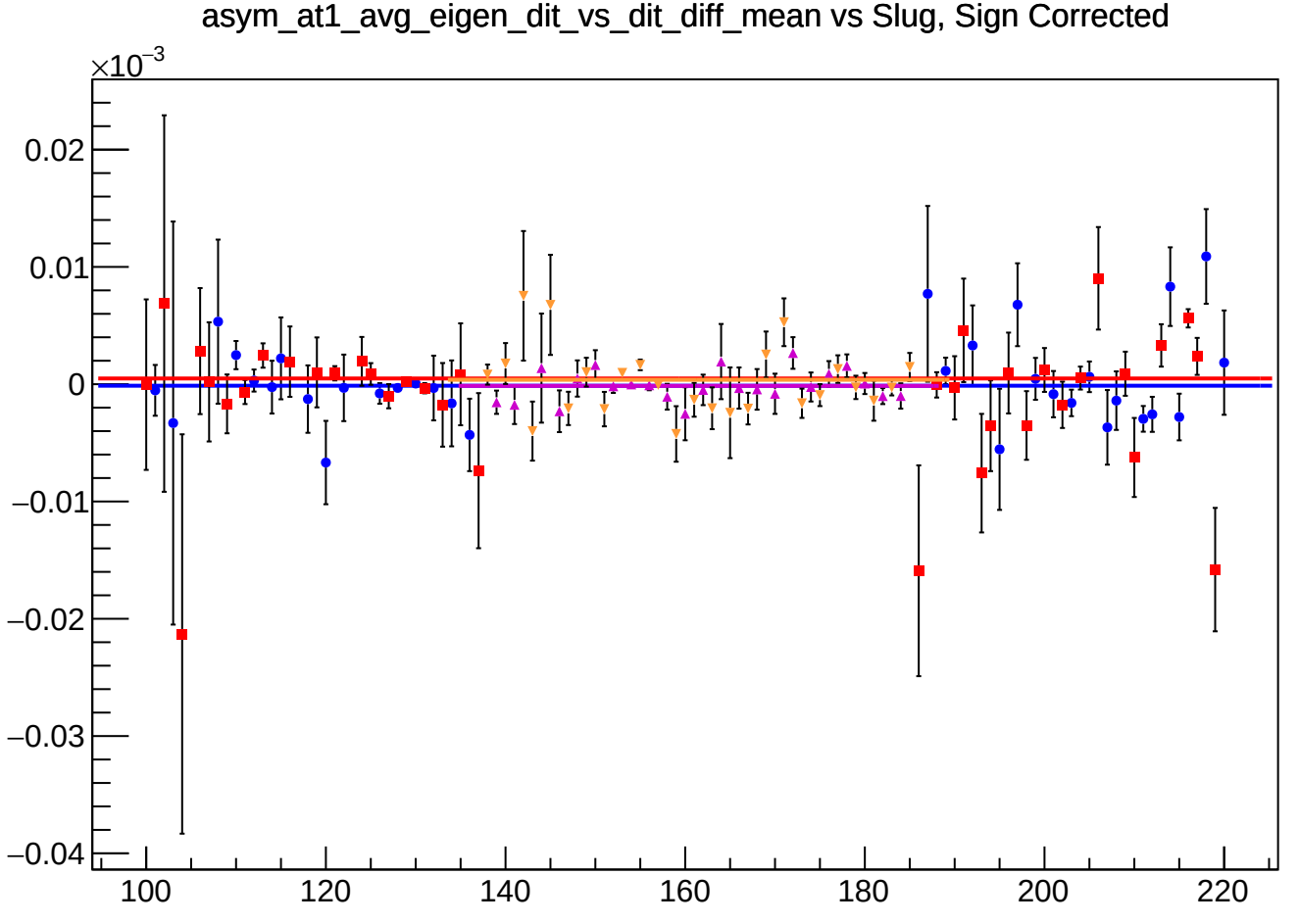
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 65.810+/-0.009 χ^2/NDF: 11400387.7/69

In: 53.650+/-0.007 χ^2/NDF:8291110.6/55

Out: 53.355+/-0.007 χ^2/NDF:11552705.1/61

All: 53.503+/-0.005 χ^2/NDF: 19844672.3/117



Right In: -0.000+/-0.000 χ^2/NDF: 50.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 93.7/36

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

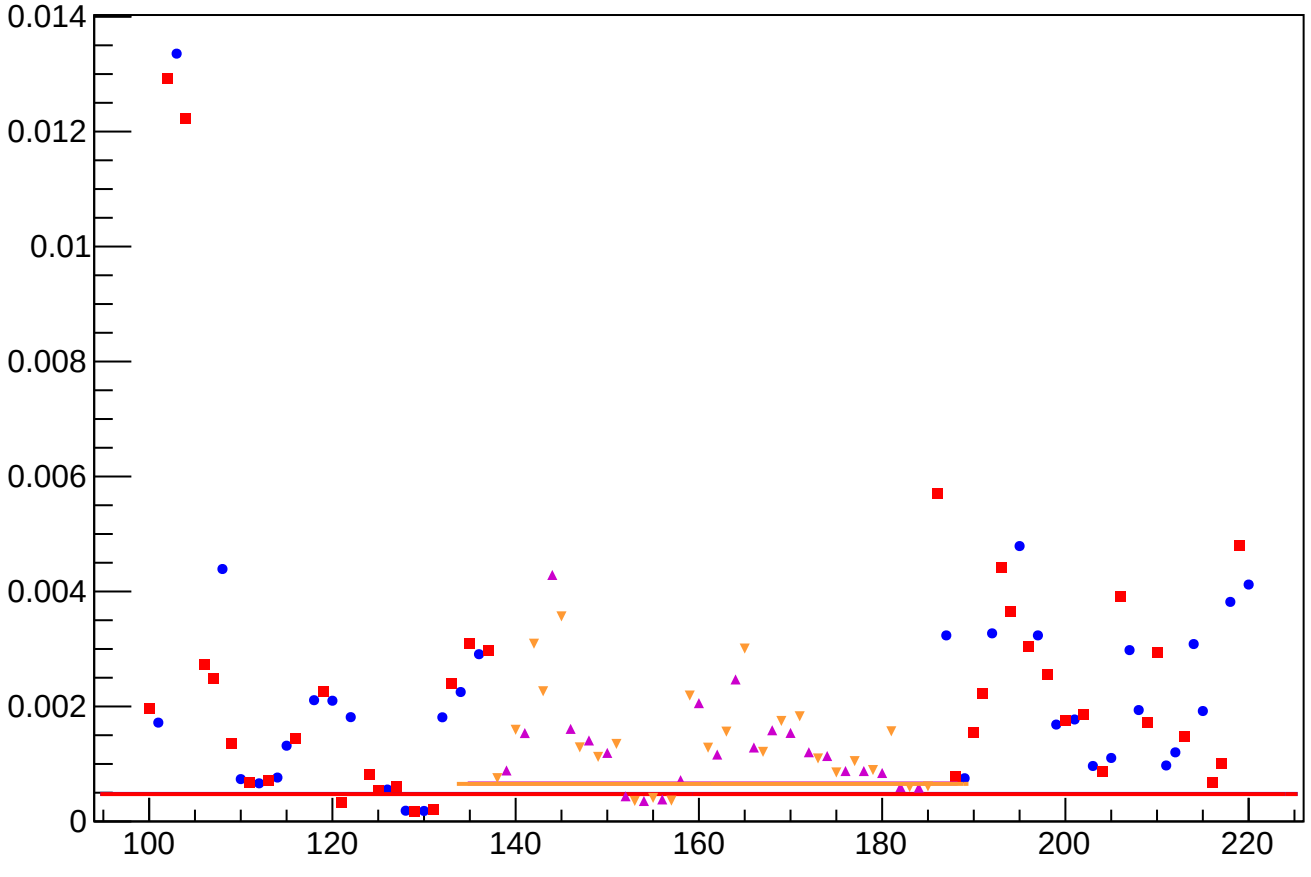
Right: 0.000+/-0.000 χ^2/NDF: 149.9/69

In: -0.000+/-0.000 χ^2/NDF:70.0/55

Out: 0.000+/-0.000 χ^2/NDF:145.6/61

All: 0.000+/-0.000 χ^2/NDF: 225.6/117

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25017682.3/32

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23250000.3/36

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

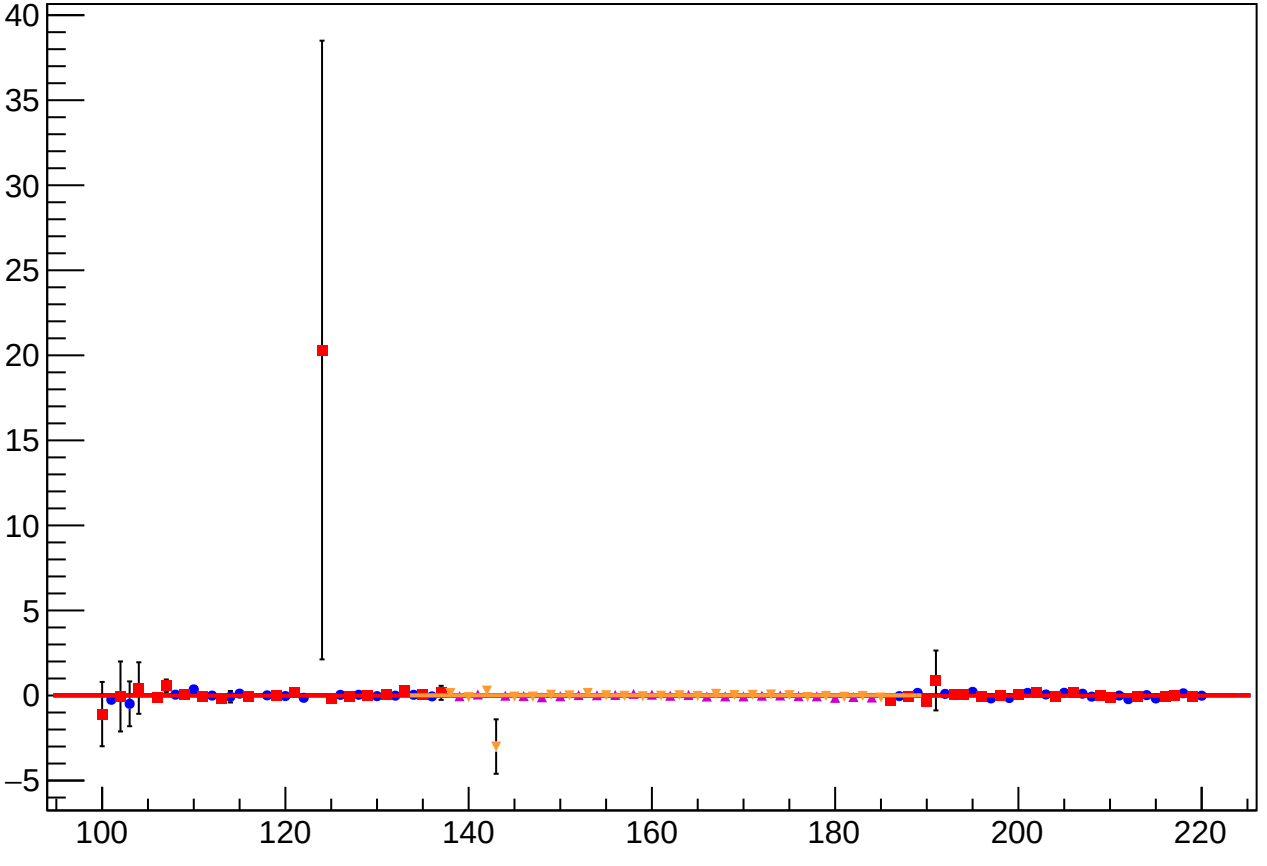
Right: 0.000+/-0.000 χ^2/NDF: 48267957.8/69

In: 0.001+/-0.000 χ^2/NDF:35703301.6/55

Out: 0.001+/-0.000 χ^2/NDF:36323413.0/61

All: 0.001+/-0.000 χ^2/NDF: 72027565.6/117

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.017 χ^2/NDF: 34.1/32

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

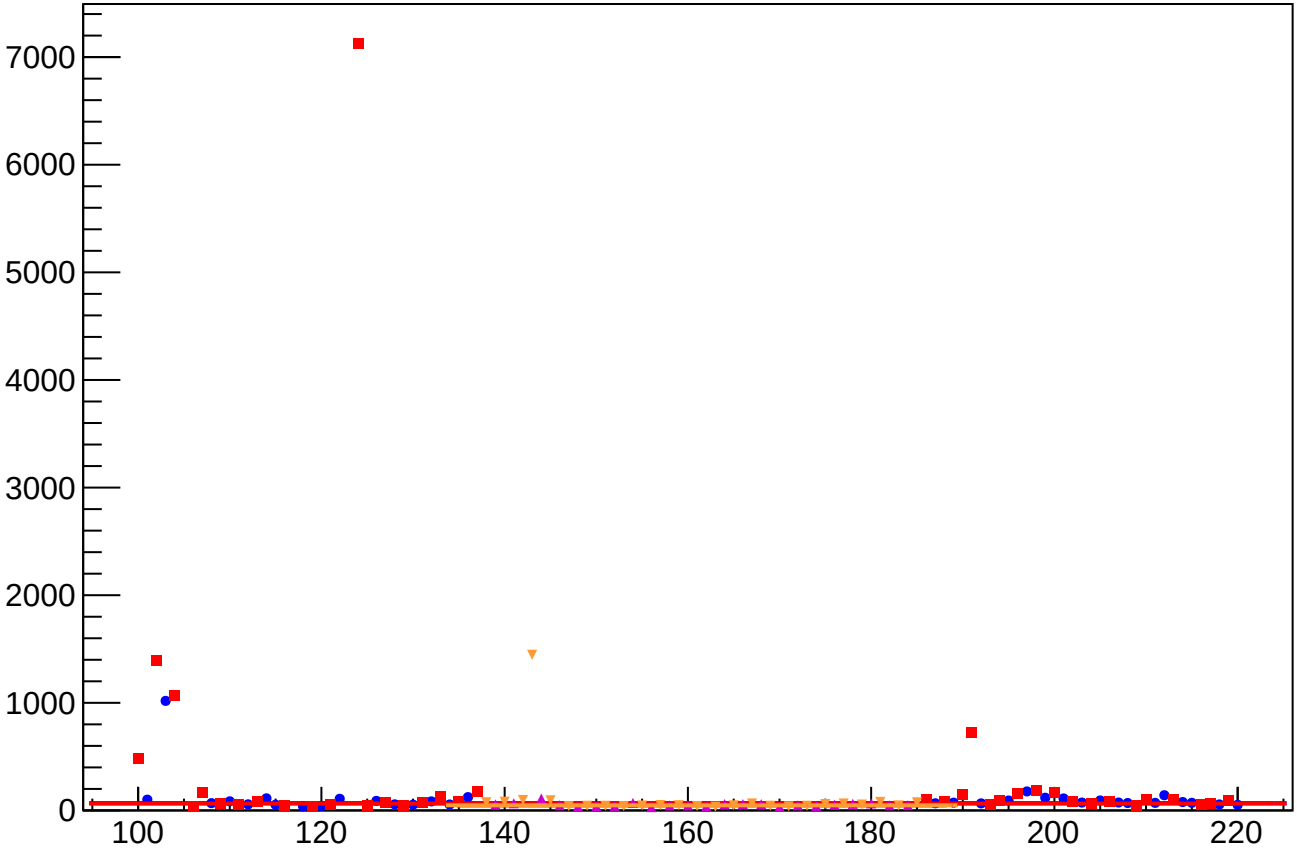
Right: 0.002+/-0.012 χ^2/NDF: 67.9/69

In: -0.006+/-0.010 χ^2/NDF:57.3/55

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 120.8/117

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.633+/-0.012 χ^2/NDF: 4435993.6/32

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

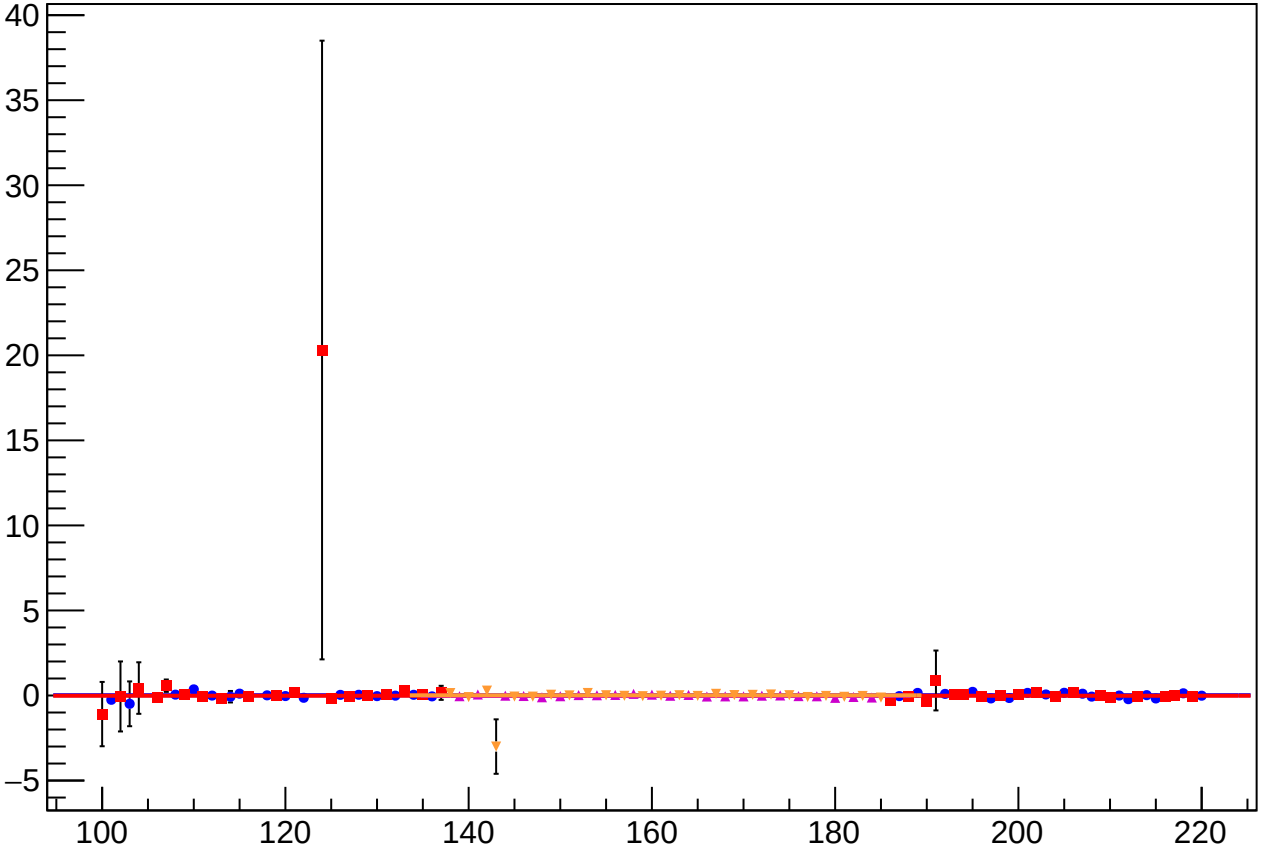
Right: 65.809+/-0.009 χ^2/NDF: 11400695.5/69

In: 53.650+/-0.007 χ^2/NDF:8291199.3/55

Out: 53.355+/-0.007 χ^2/NDF:11552744.7/61

All: 53.503+/-0.005 χ^2/NDF: 19844800.7/117

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.017 χ^2/NDF: 34.1/32

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.014+/-0.017 χ^2/NDF: 32.0/36

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

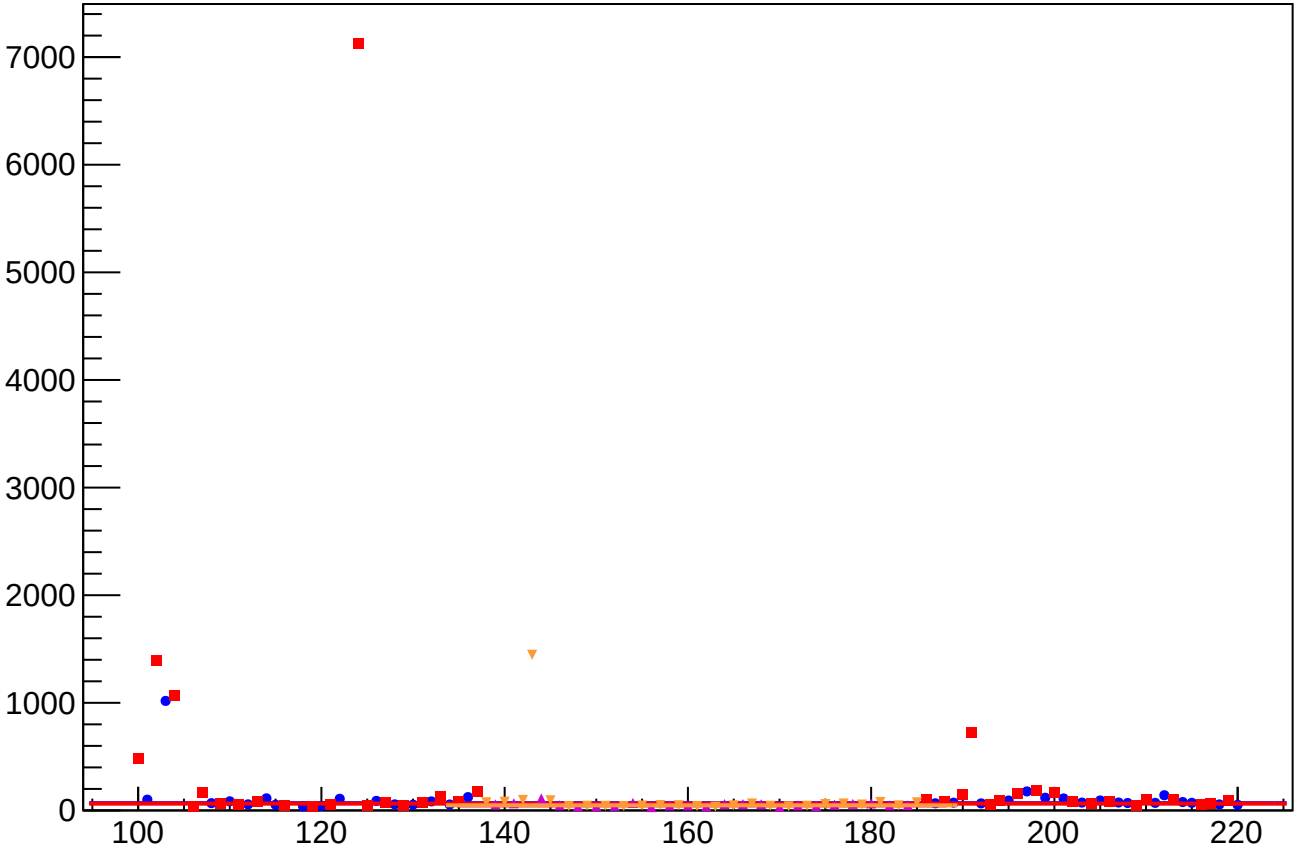
Right: 0.002+/-0.012 χ^2/NDF: 67.9/69

In: -0.006+/-0.010 χ^2/NDF:57.3/55

Out: 0.003+/-0.010 χ^2/NDF:63.1/61

All: -0.002+/-0.007 χ^2/NDF: 120.8/117

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.633+/-0.012 χ^2/NDF: 4435993.6/32

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

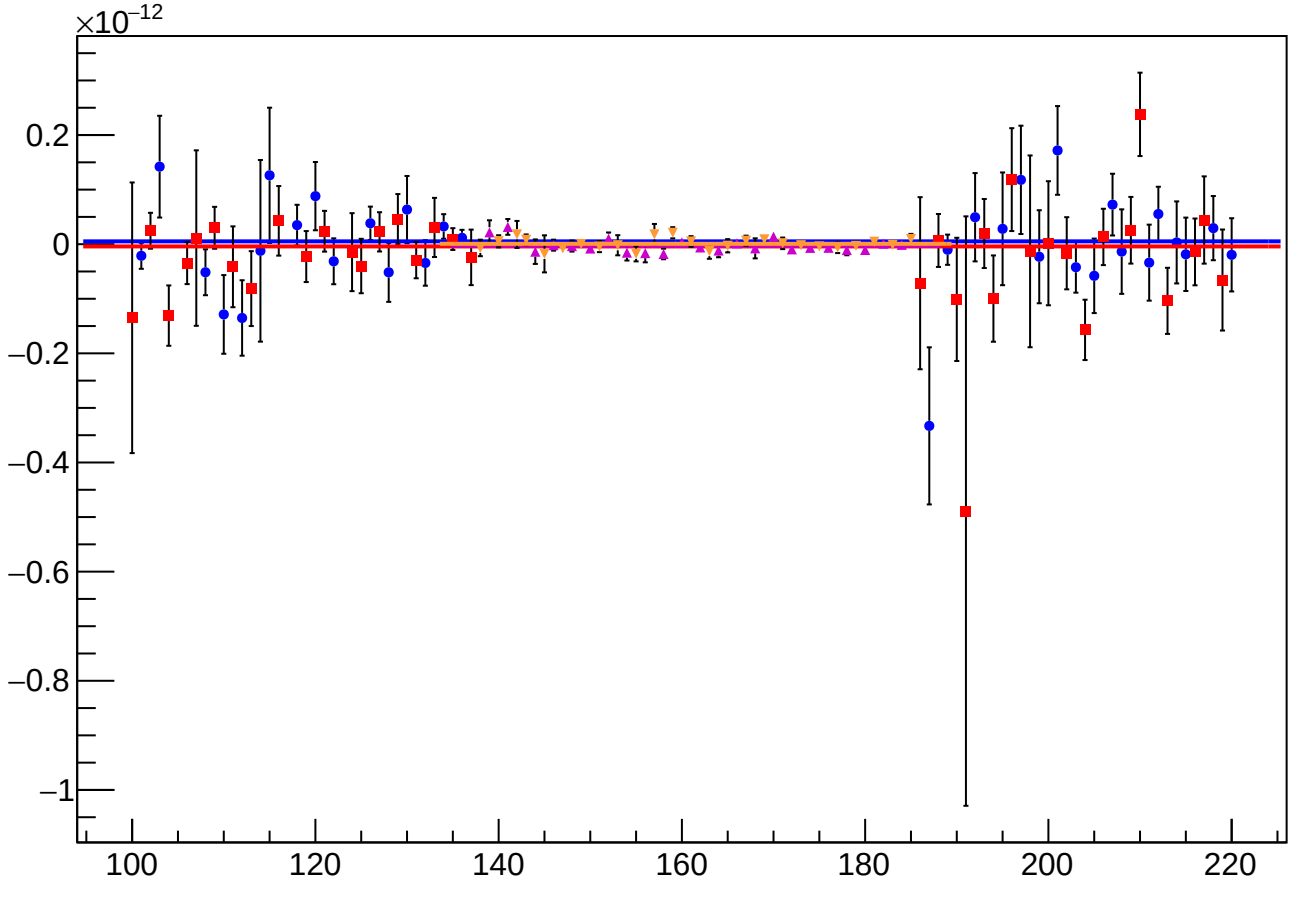
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 65.809+/-0.009 χ^2/NDF: 11400695.5/69

In: 53.650+/-0.007 χ^2/NDF:8291199.3/55

Out: 53.355+/-0.007 χ^2/NDF:11552744.7/61

All: 53.503+/-0.005 χ^2/NDF: 19844800.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/36

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

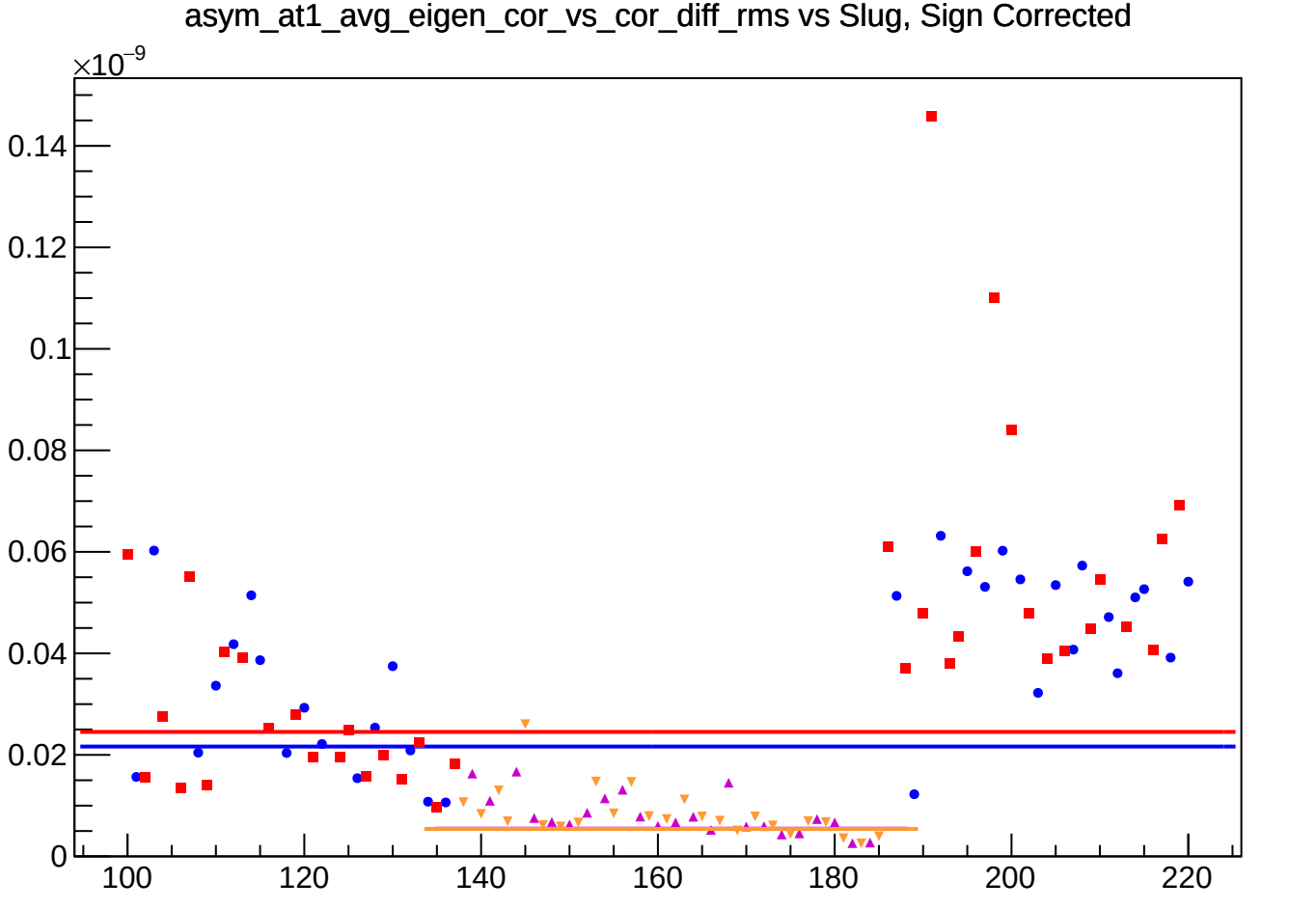
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 81.2/69

In: -0.000+/-0.000 χ^2/NDF:62.3/55

Out: 0.000+/-0.000 χ^2/NDF:56.5/61

All: -0.000+/-0.000 χ^2/NDF: 120.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 7663459.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6587109.4/36

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

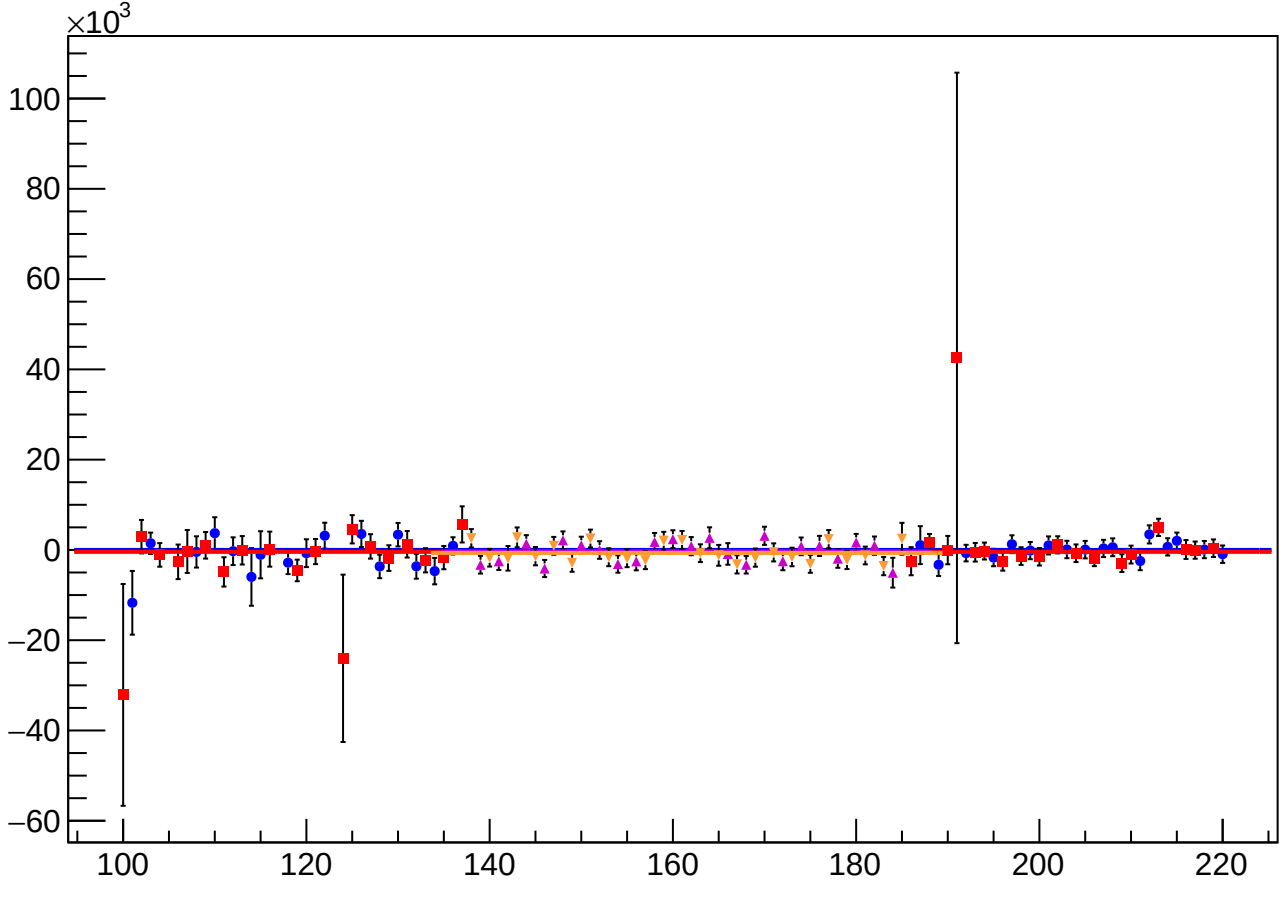
Right: 0.000+/-0.000 χ^2/NDF: 14380599.2/69

In: 0.000+/-0.000 χ^2/NDF:21510824.5/55

Out: 0.000+/-0.000 χ^2/NDF:21439912.3/61

All: 0.000+/-0.000 χ^2/NDF: 42962305.8/117

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: 2.999+/-405.494 χ^2/NDF: 26.8/32

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -431.447+/-407.380 χ^2/NDF: 31.0/36

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

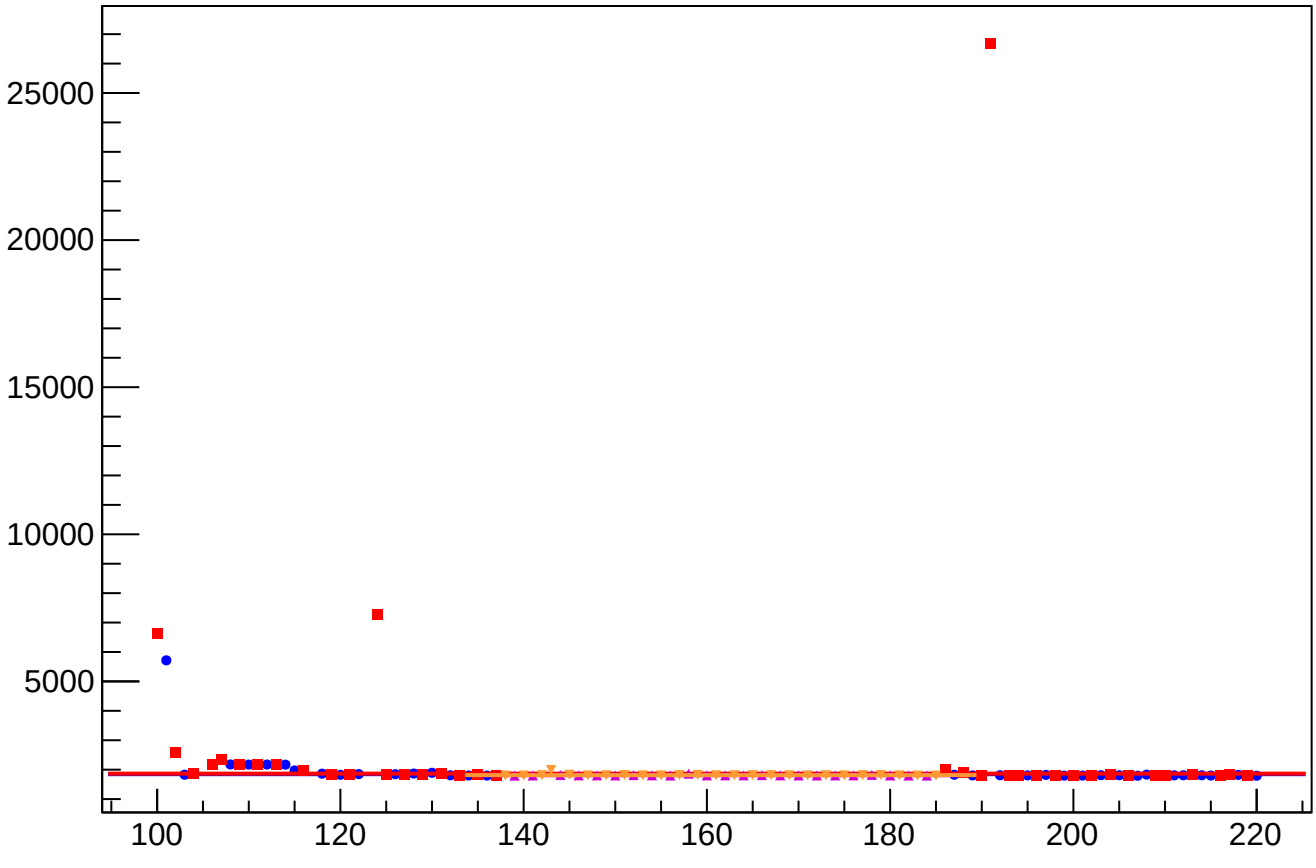
Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

Right: -213.216+/-287.392 χ^2/NDF: 58.4/69

In: -162.785+/-292.625 χ^2/NDF:57.3/55

Out: -549.339+/-289.752 χ^2/NDF:55.9/61

All: -357.969+/-205.894 χ^2/NDF: 114.1/117



Right In: 1846.471+/-0.287 χ^2/NDF: 681767.0/32

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1864.918+/-0.288 χ^2/NDF: 761350.5/36

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

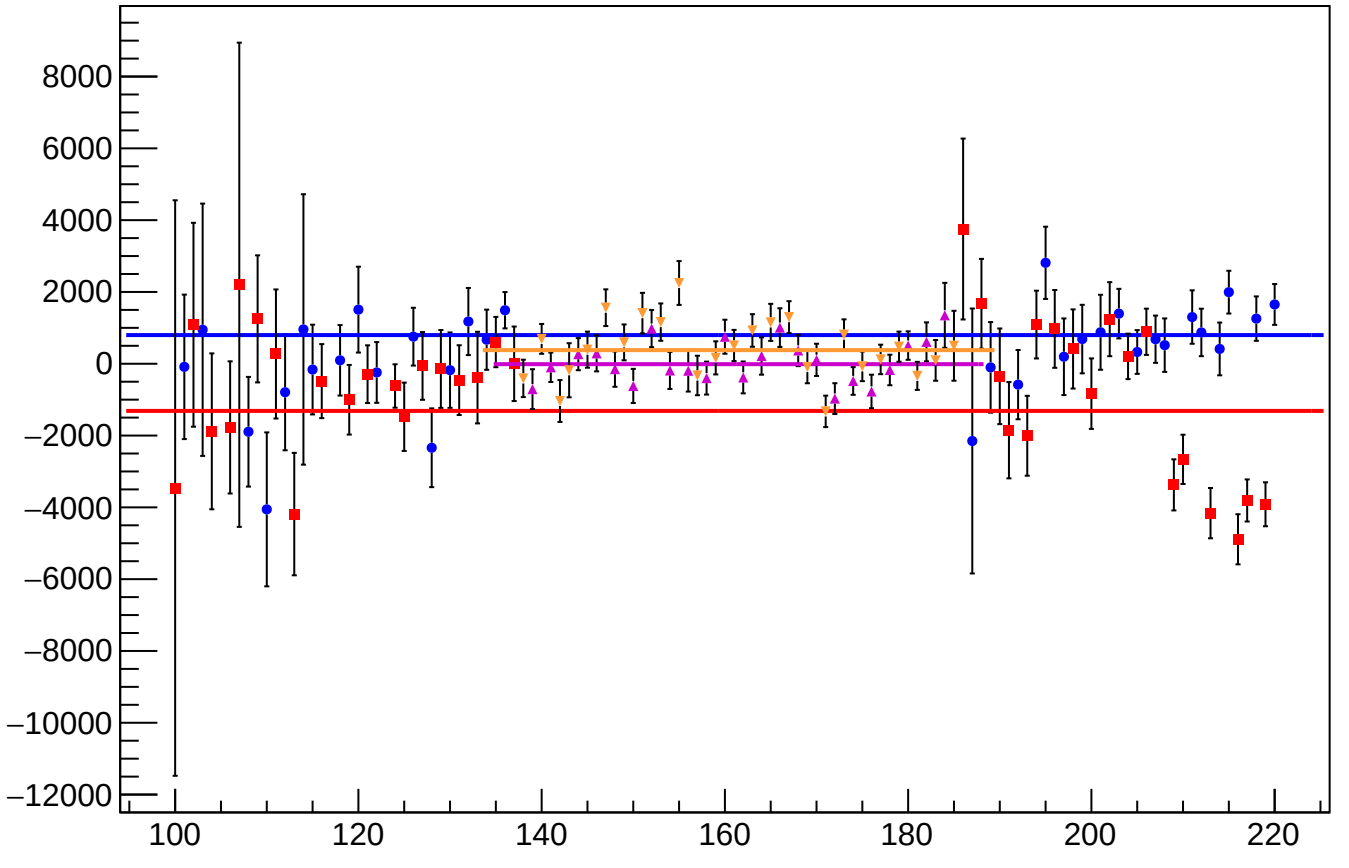
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1855.652+/-0.203 χ^2/NDF: 1445177.5/69

In: 1829.213+/-0.207 χ^2/NDF:691294.3/55

Out: 1839.974+/-0.205 χ^2/NDF:789628.5/61

All: 1834.646+/-0.146 χ^2/NDF: 1482288.5/11



Right In: 798.733+/-150.765 χ^2/NDF: 40.1/32

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -1313.543+/-154.657 χ^2/NDF: 163.1/36

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

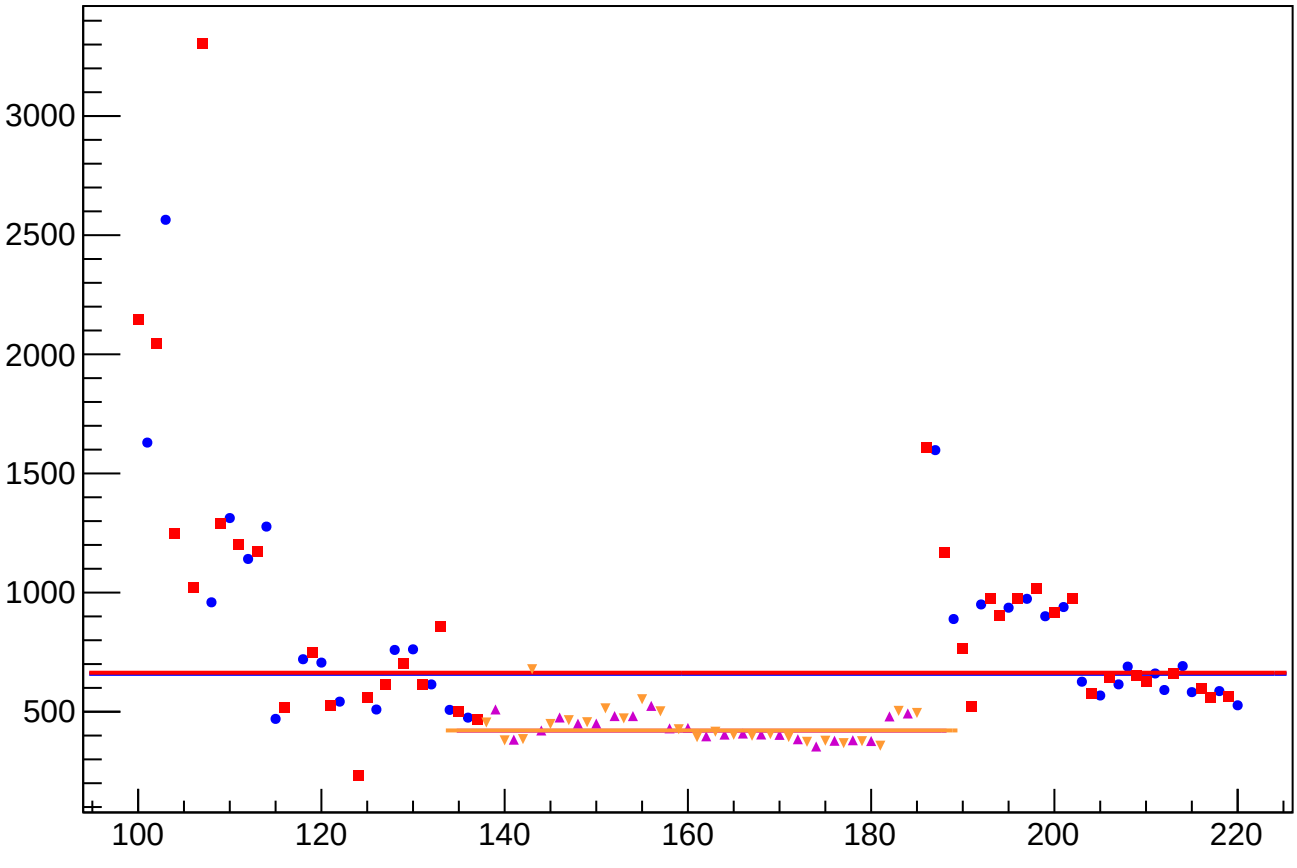
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -230.493+/-107.956 χ^2/NDF: 298.9/69

In: 232.507+/-82.739 χ^2/NDF:91.4/55

Out: -98.675+/-82.183 χ^2/NDF:311.4/61

All: 65.798+/-58.308 χ^2/NDF: 410.9/117



Right In: 658.948+/-0.107 χ^2/NDF: 3313630.4/32

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 663.672+/-0.109 χ^2/NDF: 4862617.2/36

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

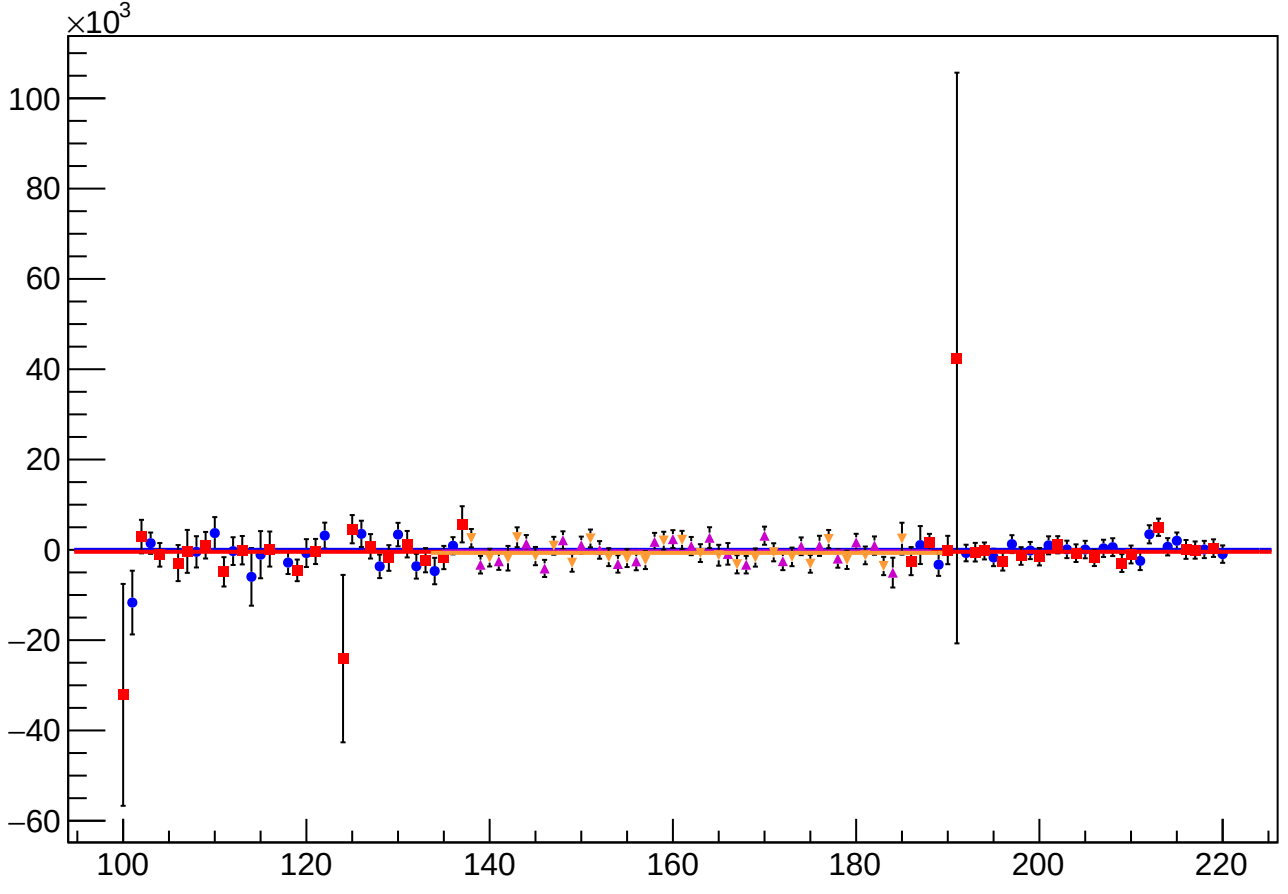
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 661.250+/-0.076 χ^2/NDF: 8177204.5/69

In: 492.122+/-0.059 χ^2/NDF:7231000.3/55

Out: 489.823+/-0.058 χ^2/NDF:9127258.0/61

All: 490.965+/-0.041 χ^2/NDF: 16359035.4/11



Right In: 3.335+/-405.494 χ^2/NDF: 26.8/32

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -432.704+/-407.562 χ^2/NDF: 31.1/36

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

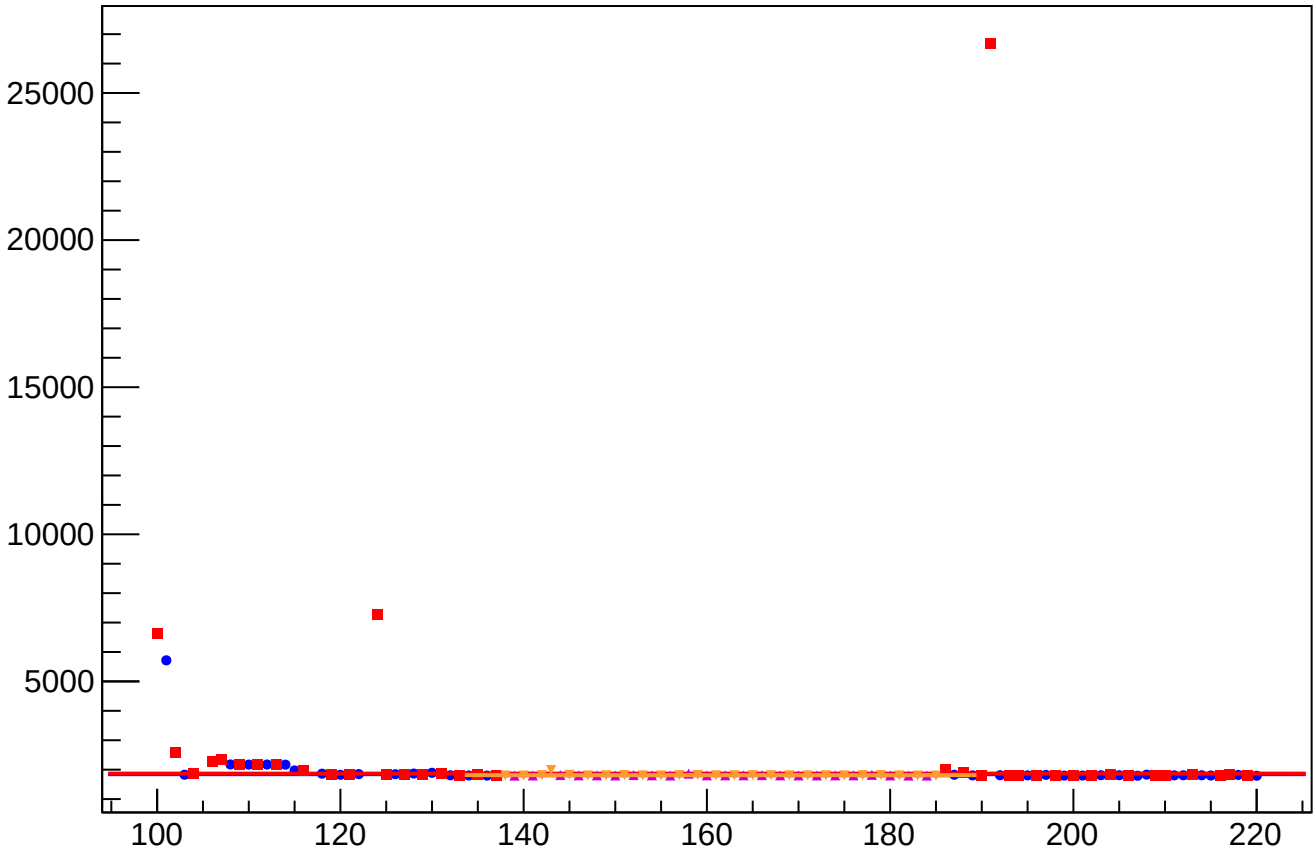
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -213.576+/-287.456 χ^2/NDF: 58.5/69

In: -162.631+/-292.625 χ^2/NDF:57.2/55

Out: -550.023+/-289.818 χ^2/NDF:56.0/61

All: -358.194+/-205.918 χ^2/NDF: 114.1/117



Right In: 1846.471+/-0.287 χ^2/NDF: 681766.9/32

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

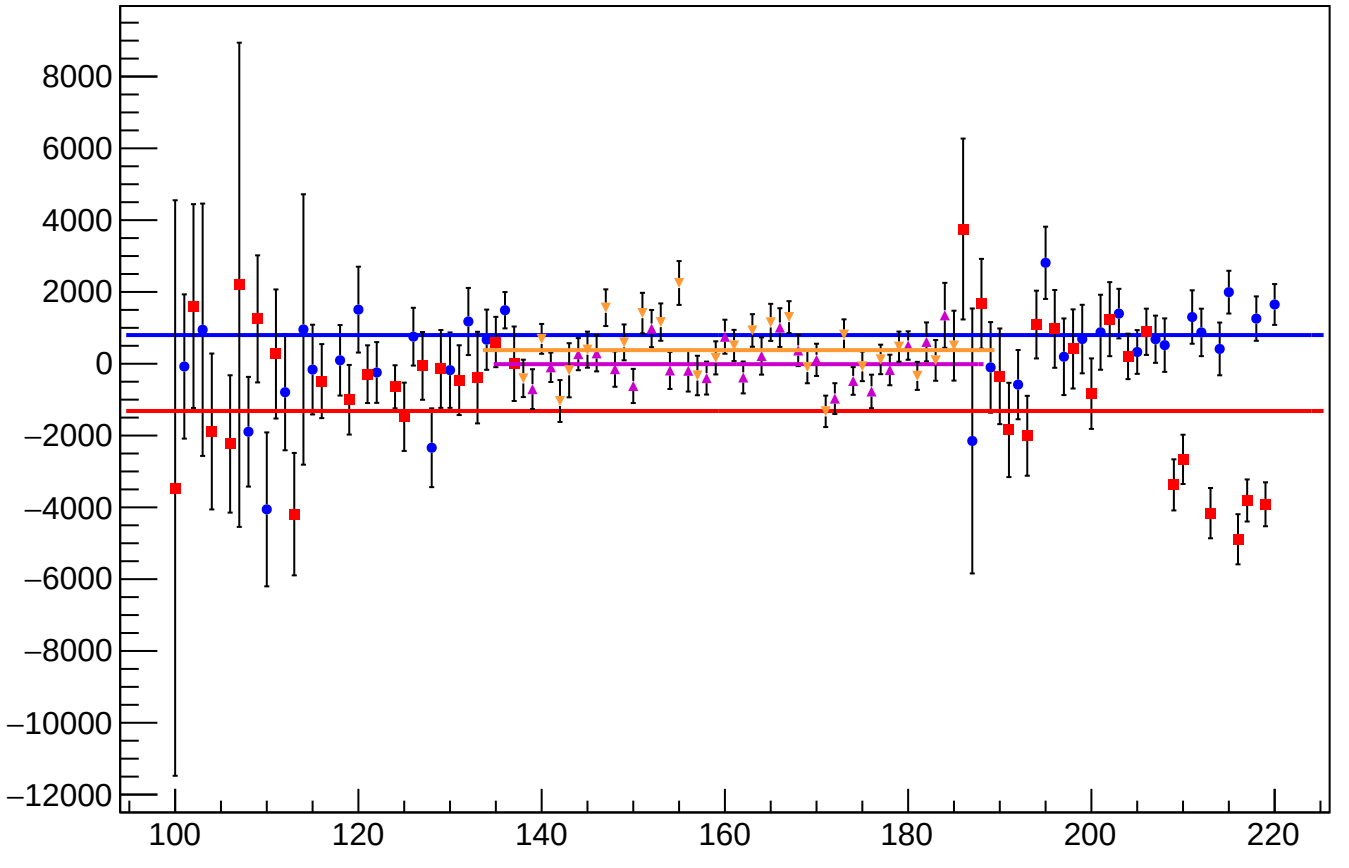
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1855.929+/-0.203 χ^2/NDF: 1451654.2/69

In: 1829.213+/-0.207 χ^2/NDF:691294.2/55

Out: 1840.249+/-0.205 χ^2/NDF:796313.3/61

All: 1834.784+/-0.146 χ^2/NDF: 1489043.5/11



Right In: 798.784+/-150.763 χ^2/NDF: 40.1/32

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -1315.839+/-154.578 χ^2/NDF: 163.6/36

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

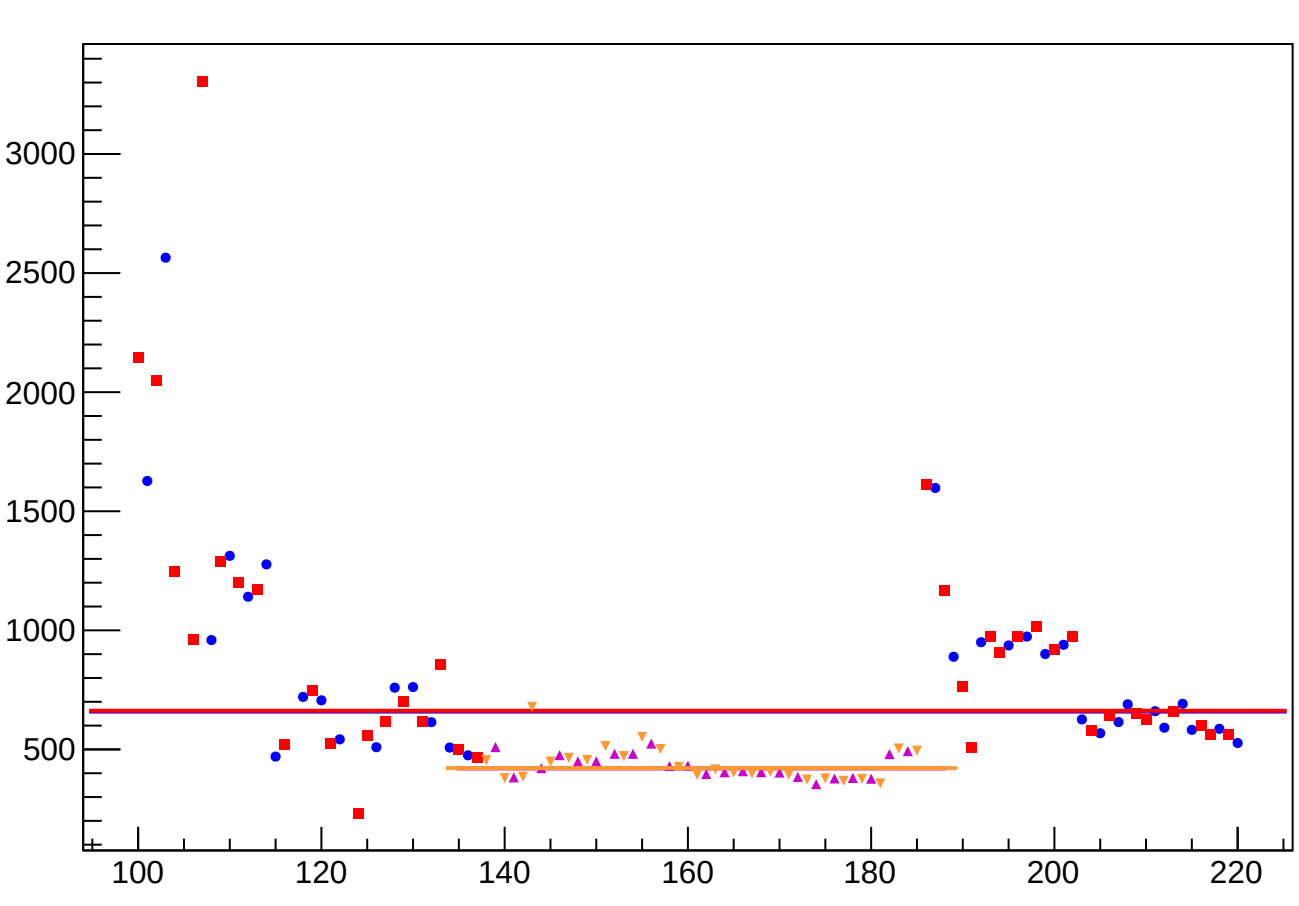
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -232.112+/-107.929 χ^2/NDF: 299.6/69

In: 232.514+/-82.739 χ^2/NDF:91.4/55

Out: -99.684+/-82.171 χ^2/NDF:312.2/61

All: 65.272+/-58.303 χ^2/NDF: 411.7/117



Right In: 658.951+/-0.107 χ^2/NDF: 3312739.0/32

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

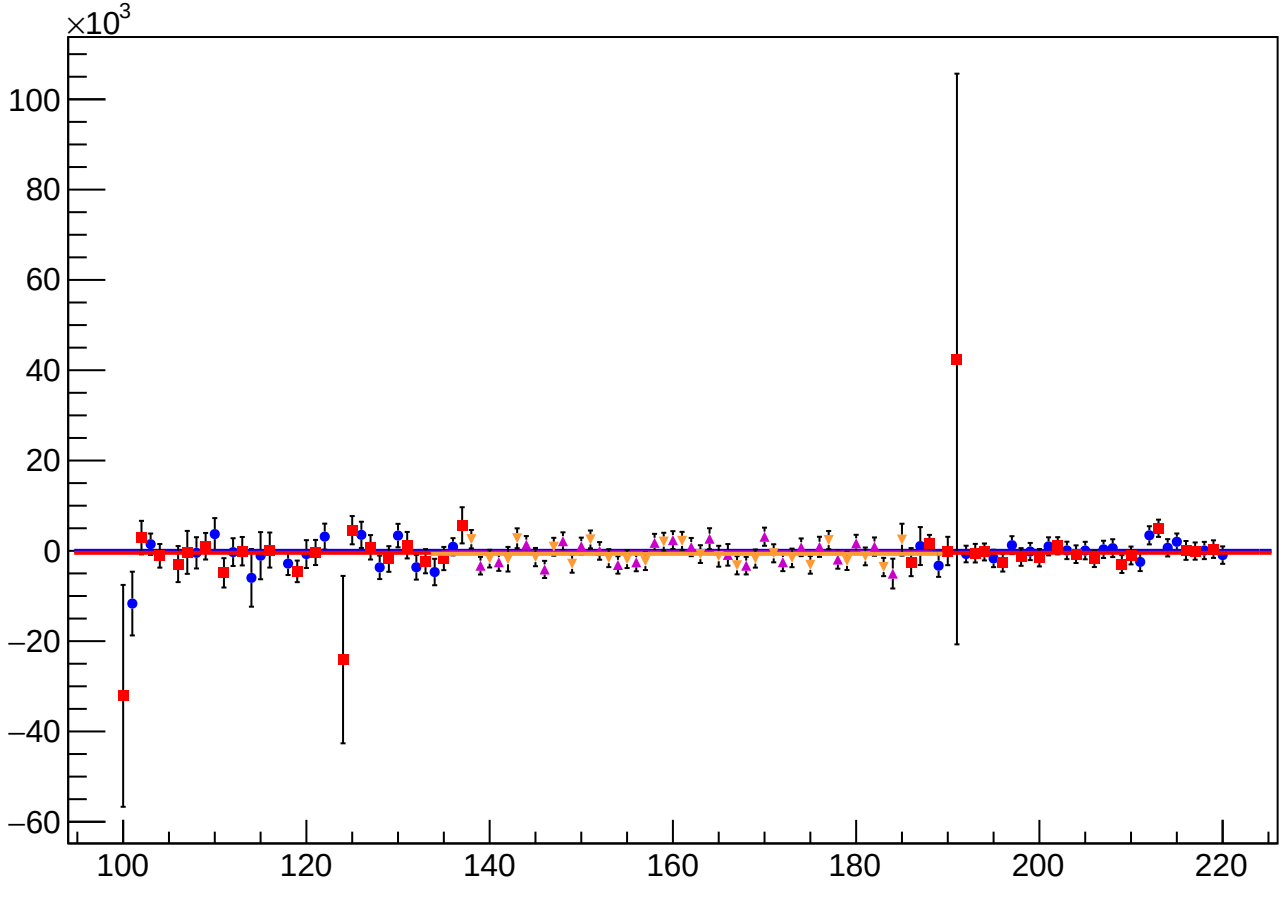
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 660.593+/-0.076 χ^2/NDF: 8179666.9/69

In: 492.120+/-0.059 χ^2/NDF:7230413.5/55

Out: 489.494+/-0.058 χ^2/NDF:9094266.6/61

All: 490.798+/-0.041 χ^2/NDF: 16325694.4/11



Right In: 3.335+/-405.494 χ^2/NDF: 26.8/32

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -432.704+/-407.562 χ^2/NDF: 31.1/36

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

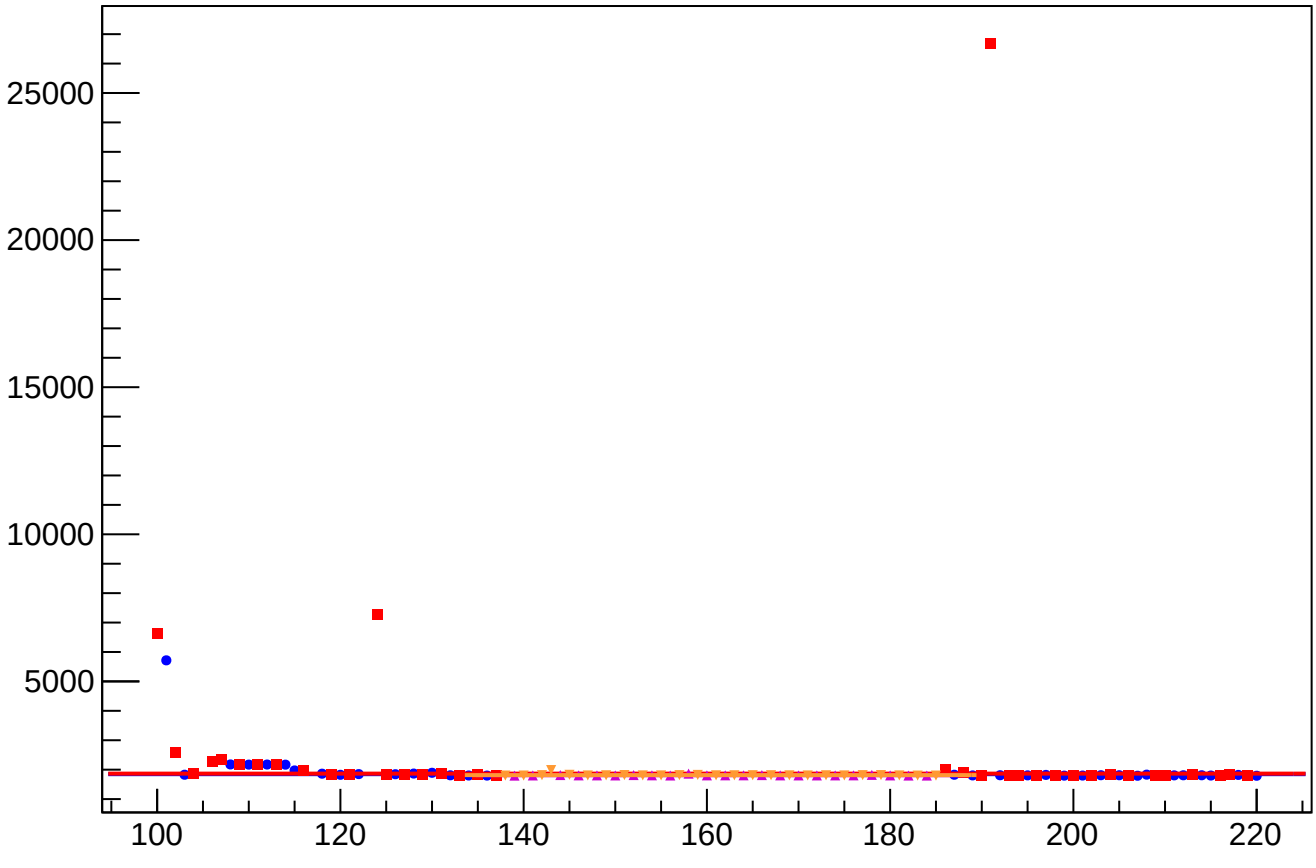
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -213.576+/-287.456 χ^2/NDF: 58.5/69

In: -162.631+/-292.625 χ^2/NDF:57.2/55

Out: -550.023+/-289.818 χ^2/NDF:56.0/61

All: -358.194+/-205.918 χ^2/NDF: 114.1/117



Right In: 1846.471+/-0.287 χ^2/NDF: 681766.9/32

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

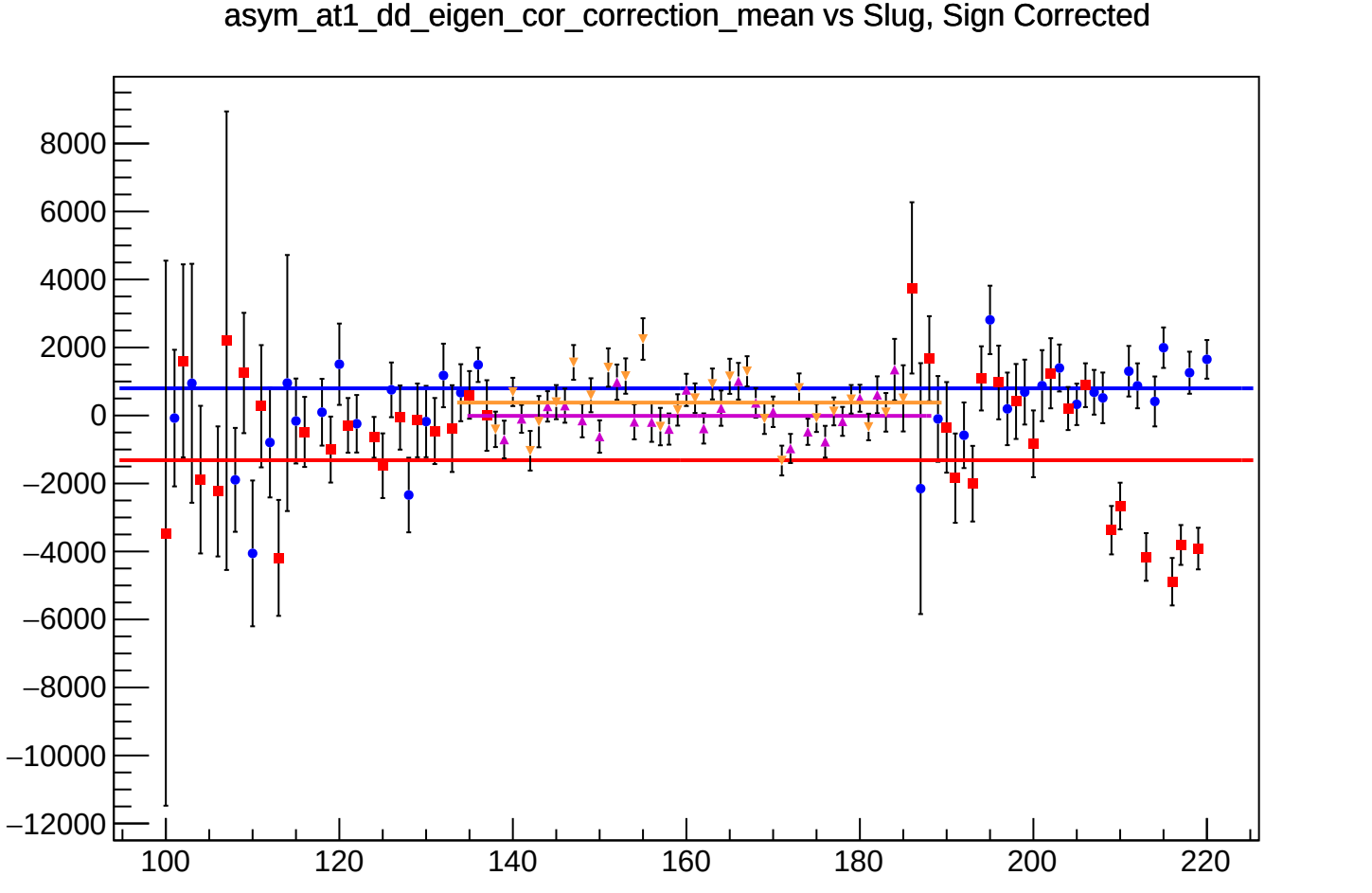
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1855.929+/-0.203 χ^2/NDF: 1451654.2/69

In: 1829.213+/-0.207 χ^2/NDF:691294.2/55

Out: 1840.249+/-0.205 χ^2/NDF:796313.3/61

All: 1834.784+/-0.146 χ^2/NDF: 1489043.5/11



Right In: 798.784+/-150.763 χ^2/NDF: 40.1/32

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -1315.839+/-154.578 χ^2/NDF: 163.6/36

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

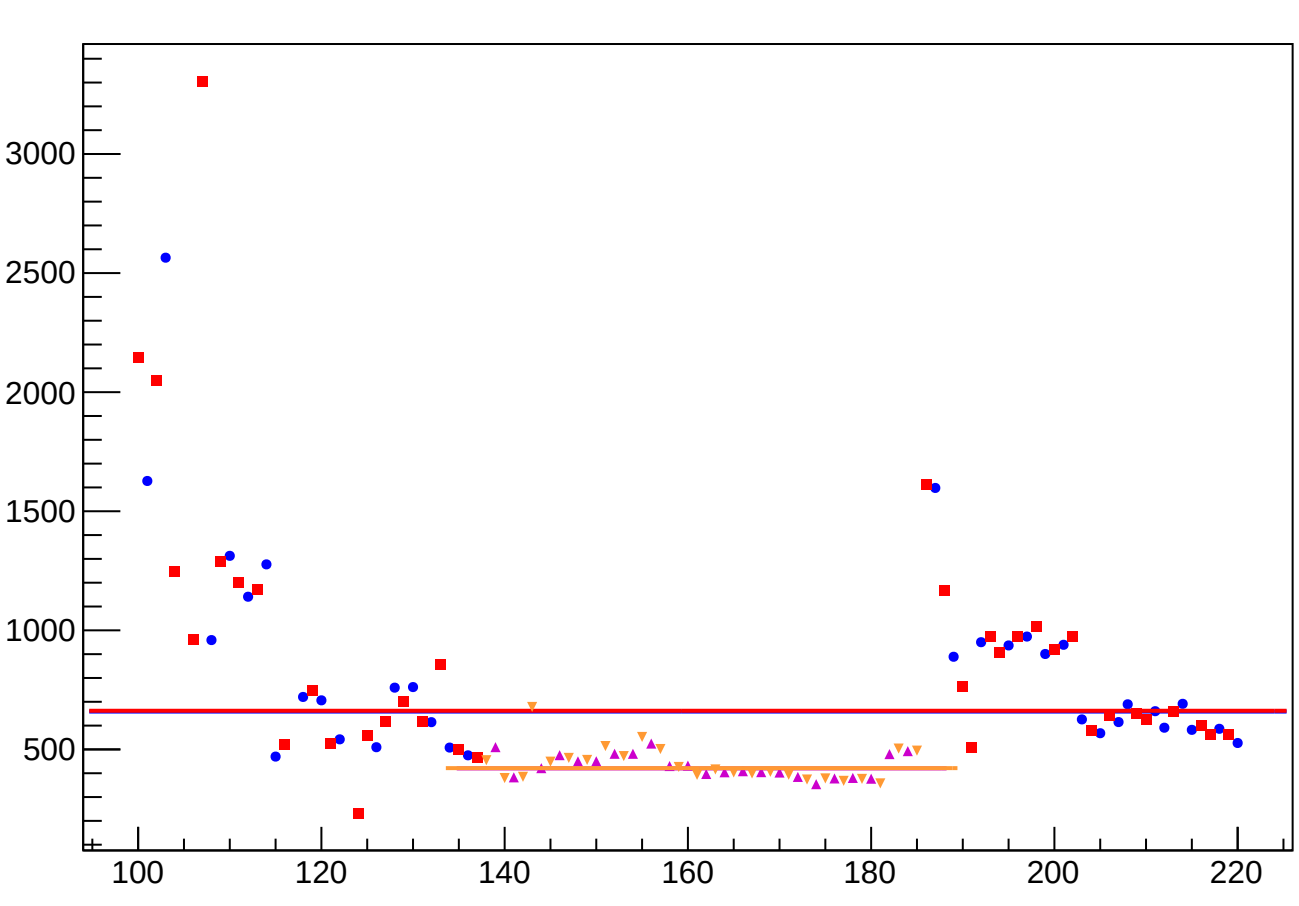
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -232.112+/-107.929 χ^2/NDF: 299.6/69

In: 232.514+/-82.739 χ^2/NDF:91.4/55

Out: -99.684+/-82.171 χ^2/NDF:312.2/61

All: 65.272+/-58.303 χ^2/NDF: 411.7/117



Right In: 658.951+/-0.107 χ^2/NDF: 3312739.0/32

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

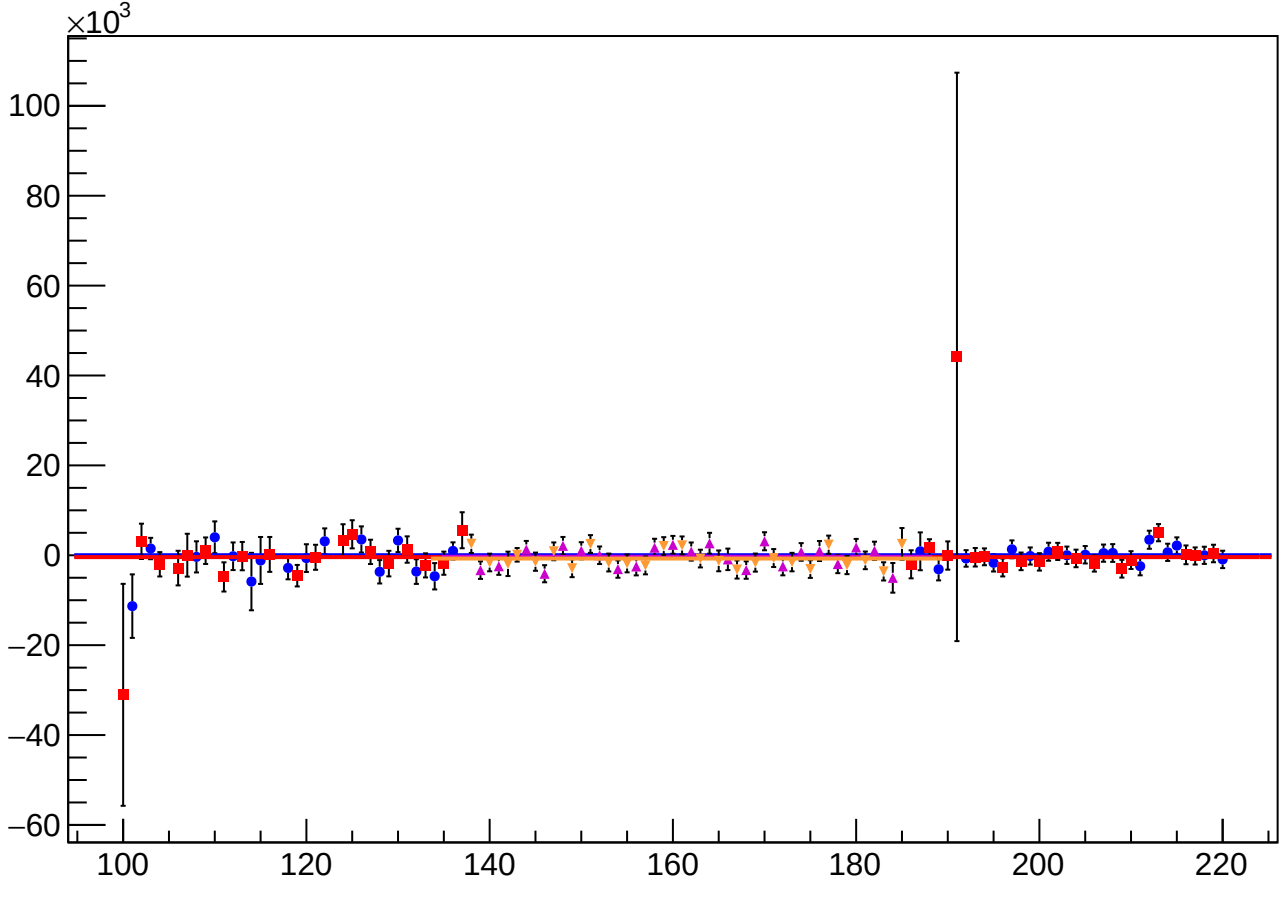
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 660.593+/-0.076 χ^2/NDF: 8179666.9/69

In: 492.120+/-0.059 χ^2/NDF:7230413.5/55

Out: 489.494+/-0.058 χ^2/NDF:9094266.6/61

All: 490.798+/-0.041 χ^2/NDF: 16325694.4/11



Right In: 14.711+/-405.878 χ^2/NDF: 26.6/32

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -409.971+/-405.905 χ^2/NDF: 30.6/36

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

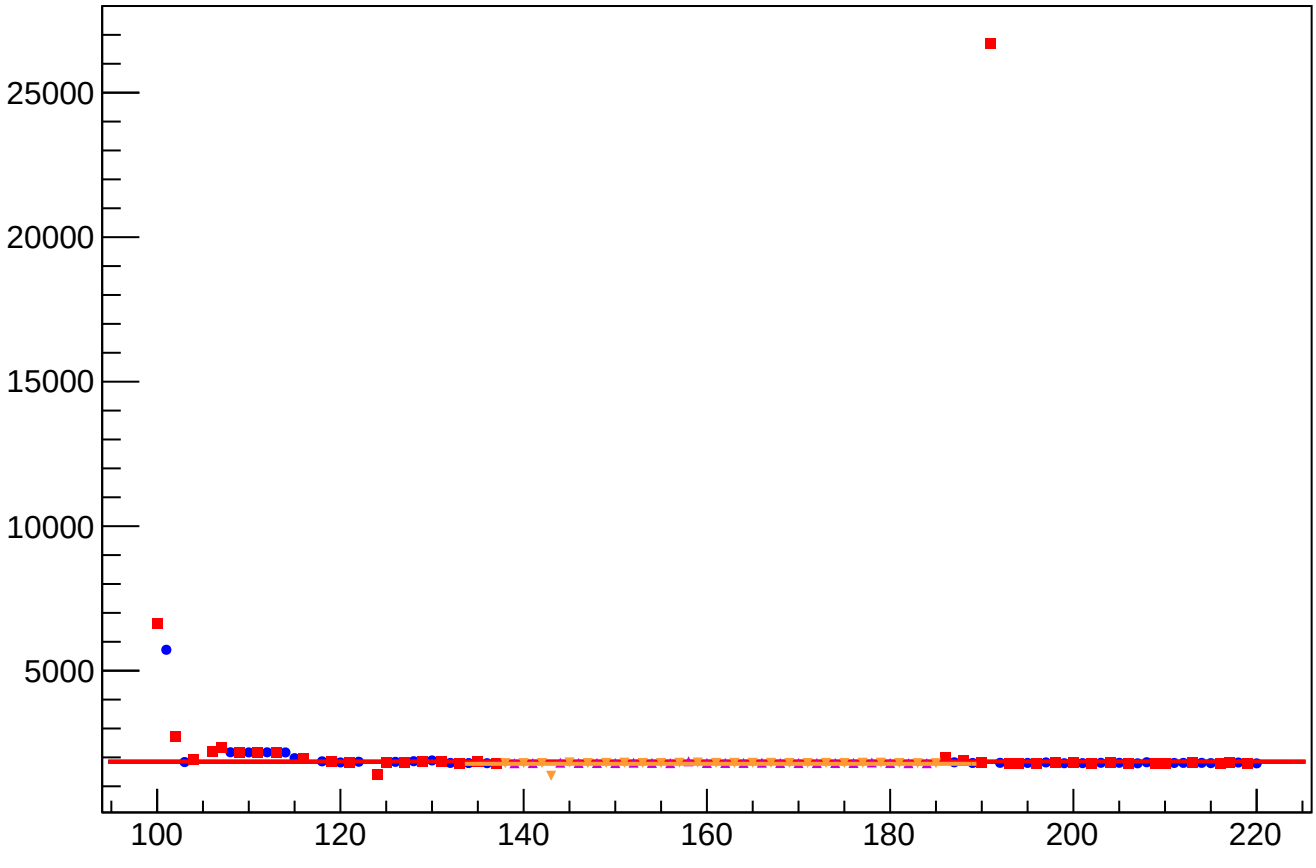
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -197.615+/-287.009 χ^2/NDF: 57.7/69

In: -155.966+/-292.818 χ^2/NDF:56.5/55

Out: -567.827+/-286.491 χ^2/NDF:53.1/61

All: -366.394+/-204.780 χ^2/NDF: 110.7/117



Right In: 1848.123+/-0.287 χ^2/NDF: 681712.5/32

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1859.478+/-0.287 χ^2/NDF: 641409.4/36

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

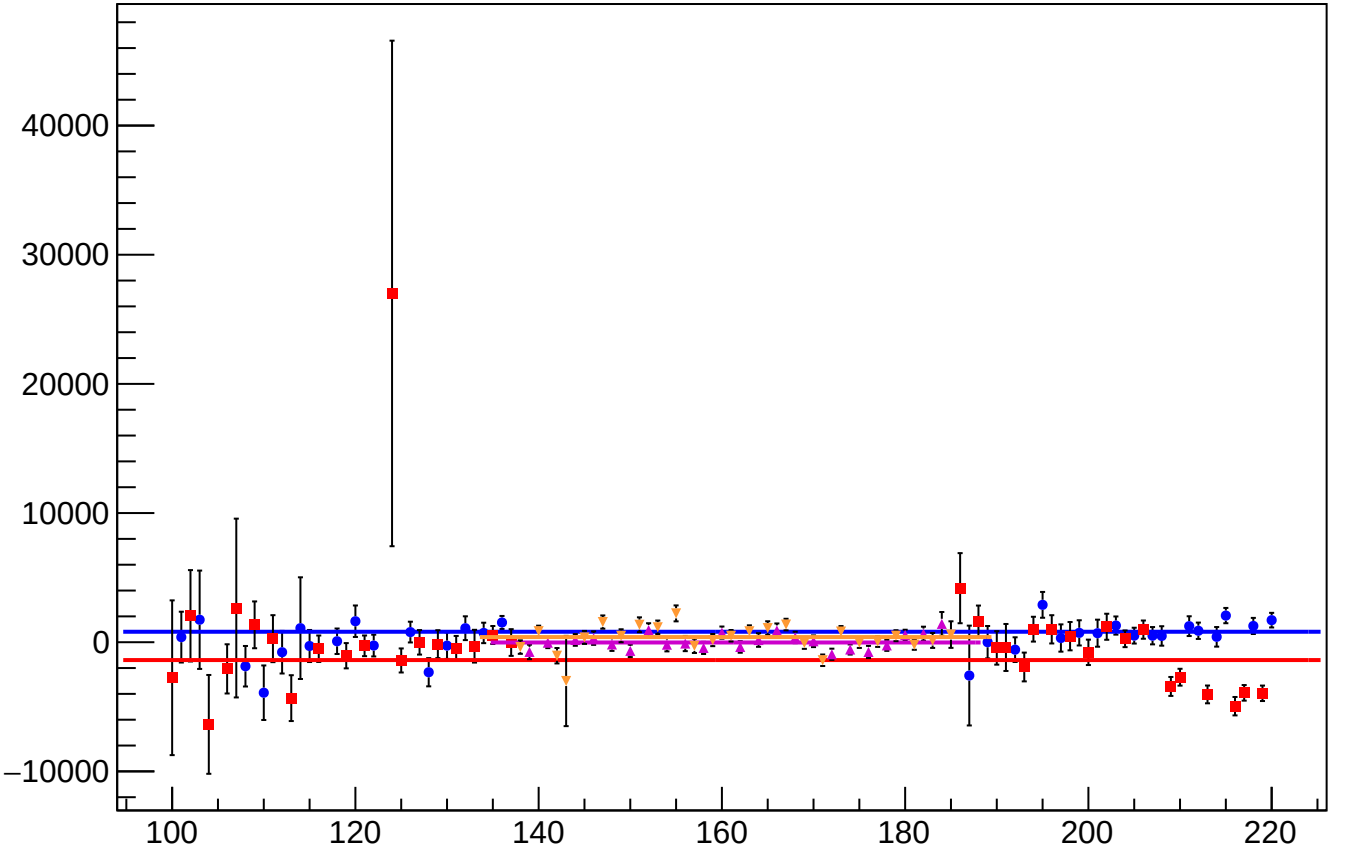
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1853.800+/-0.203 χ^2/NDF: 1323904.5/69

In: 1830.362+/-0.207 χ^2/NDF:691664.4/55

Out: 1817.948+/-0.203 χ^2/NDF:844425.2/61

All: 1824.019+/-0.145 χ^2/NDF: 1537926.2/11



Right In: 809.831+/-150.783 χ^2/NDF: 40.8/32

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -1382.341+/-161.667 χ^2/NDF: 165.6/36

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

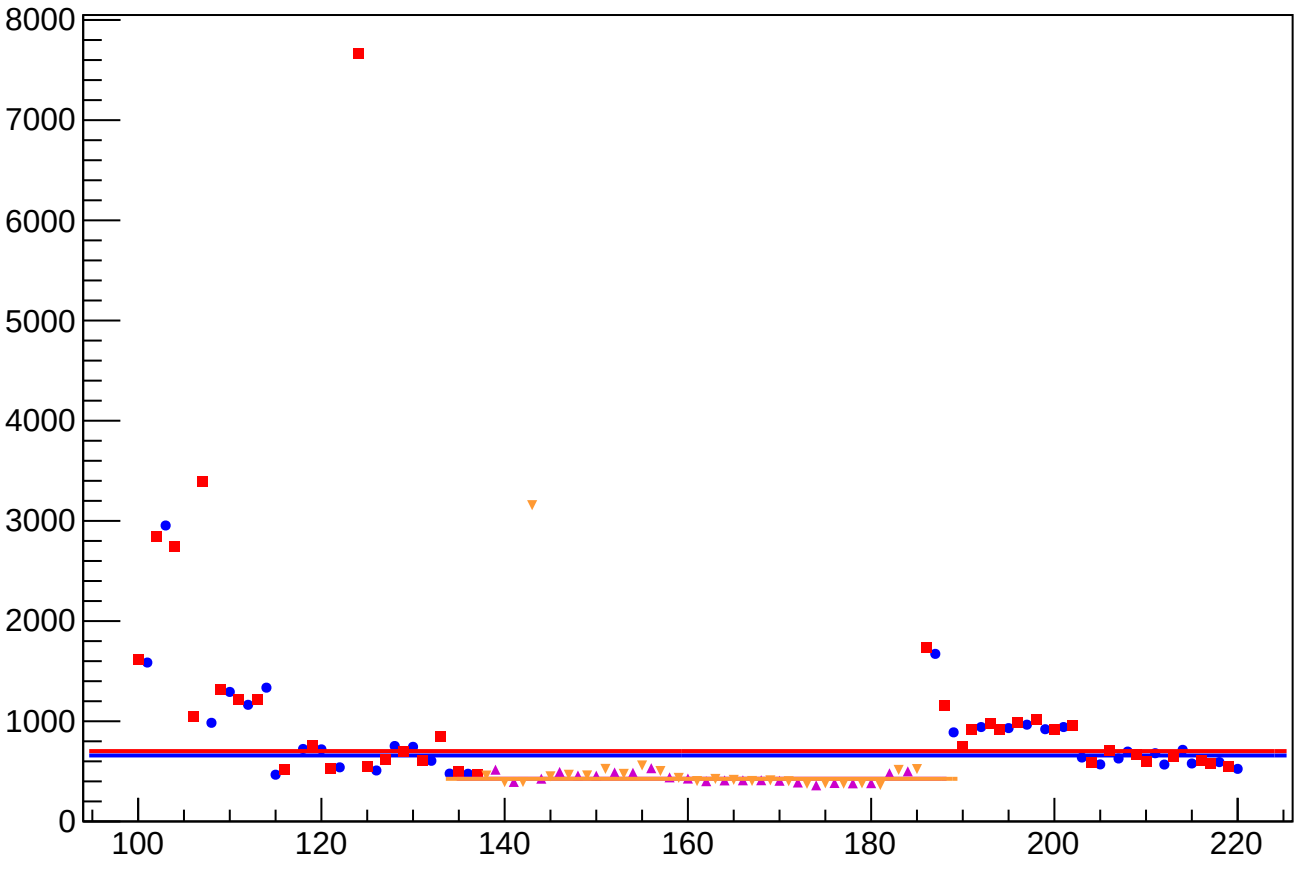
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: -209.986+/-110.267 χ^2/NDF: 304.8/69

In: 233.418+/-83.491 χ^2/NDF:92.8/55

Out: -88.526+/-84.530 χ^2/NDF:314.3/61

All: 74.437+/-59.401 χ^2/NDF: 414.4/117



Right In: 658.742+/-0.107 χ^2/NDF: 3526419.2/32

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 702.341+/-0.114 χ^2/NDF: 4796440.2/36

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

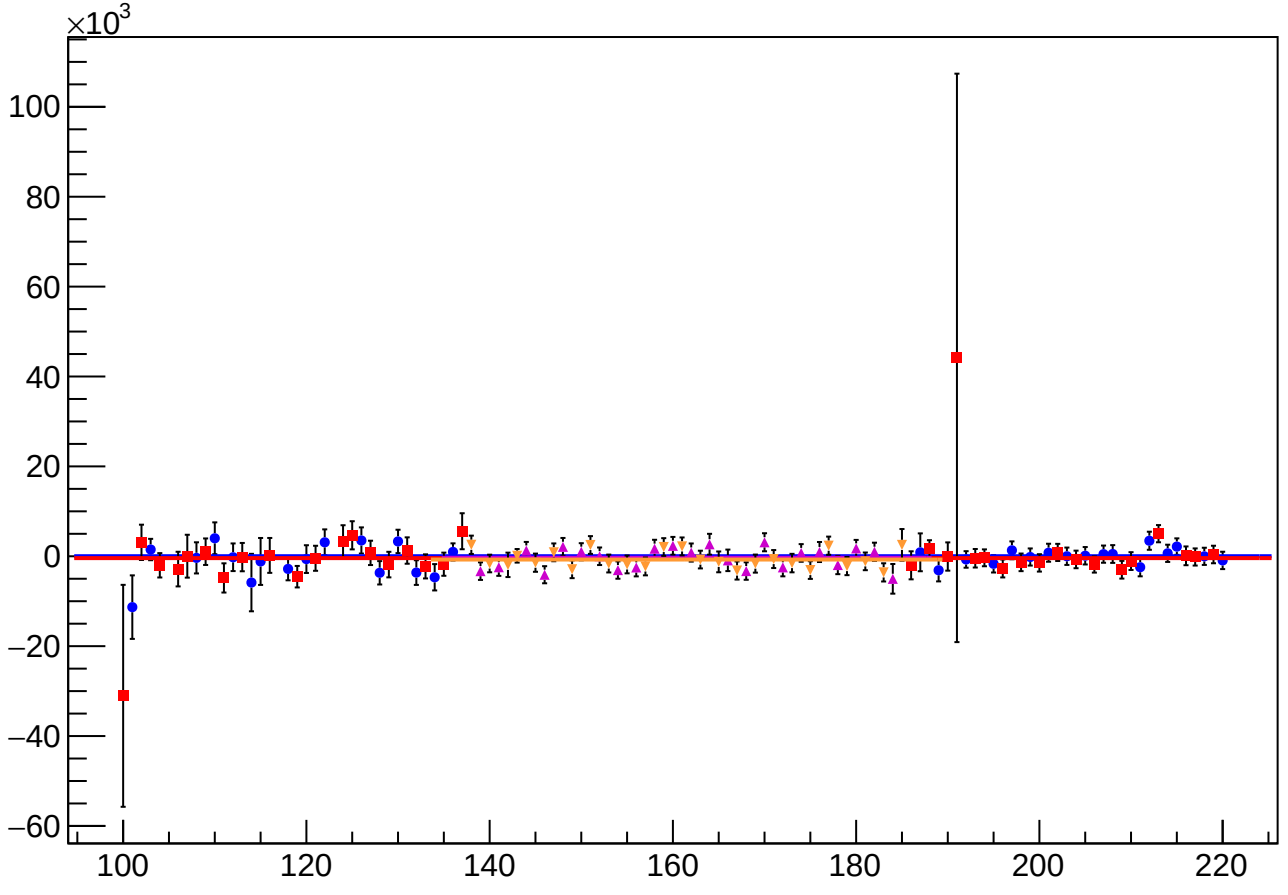
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 679.025+/-0.078 χ^2/NDF: 8400649.5/69

In: 497.459+/-0.059 χ^2/NDF:7241887.9/55

Out: 501.328+/-0.060 χ^2/NDF:10769943.0/61

All: 499.369+/-0.042 χ^2/NDF: 18013951.6/11



Right In: 14.709+/-405.878 χ^2/NDF: 26.6/32

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -409.969+/-405.905 χ^2/NDF: 30.6/36

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

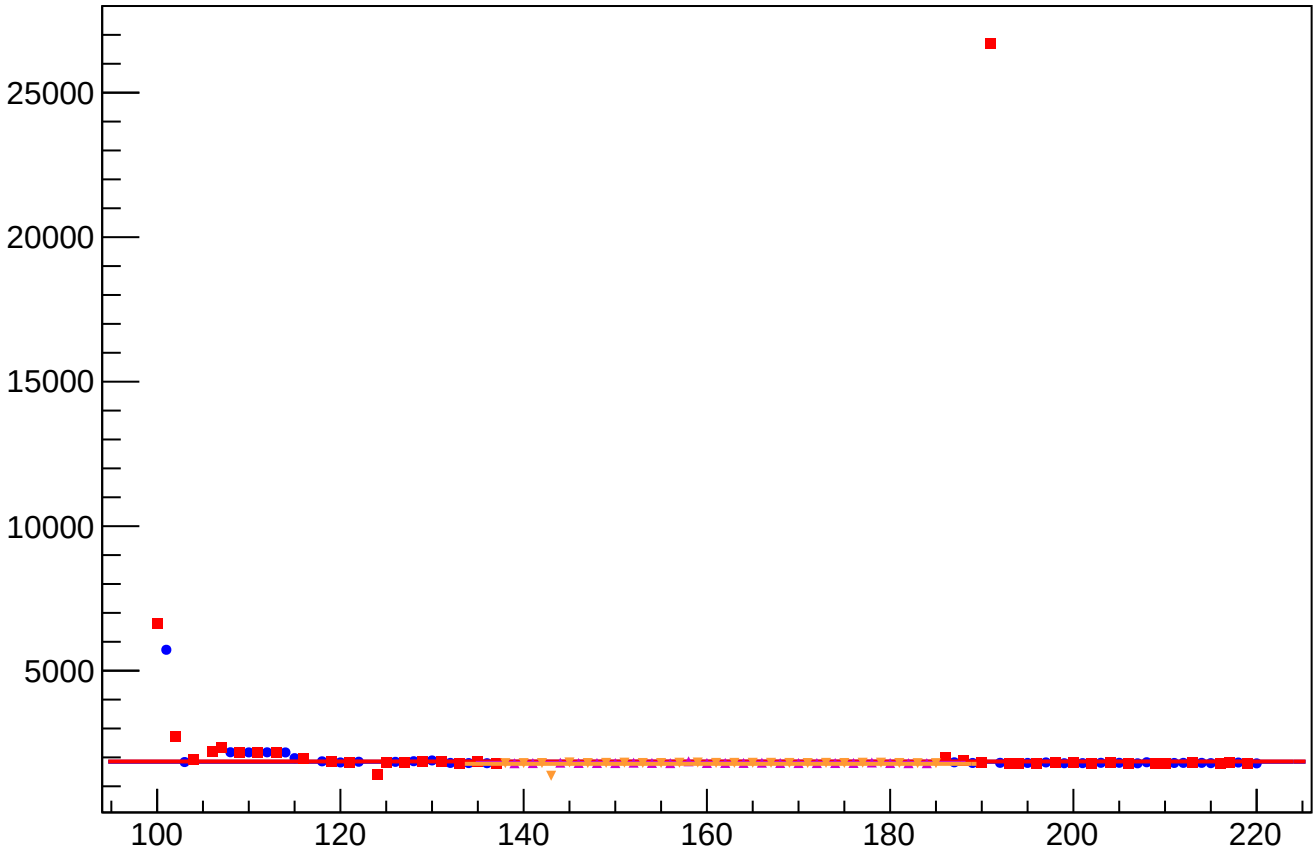
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -197.616+/-287.009 χ^2/NDF: 57.7/69

In: -155.968+/-292.818 χ^2/NDF:56.5/55

Out: -567.826+/-286.491 χ^2/NDF:53.1/61

All: -366.394+/-204.780 χ^2/NDF: 110.7/117



Right In: 1848.123+/-0.287 χ^2/NDF: 681712.5/32

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1859.478+/-0.287 χ^2/NDF: 641409.2/36

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

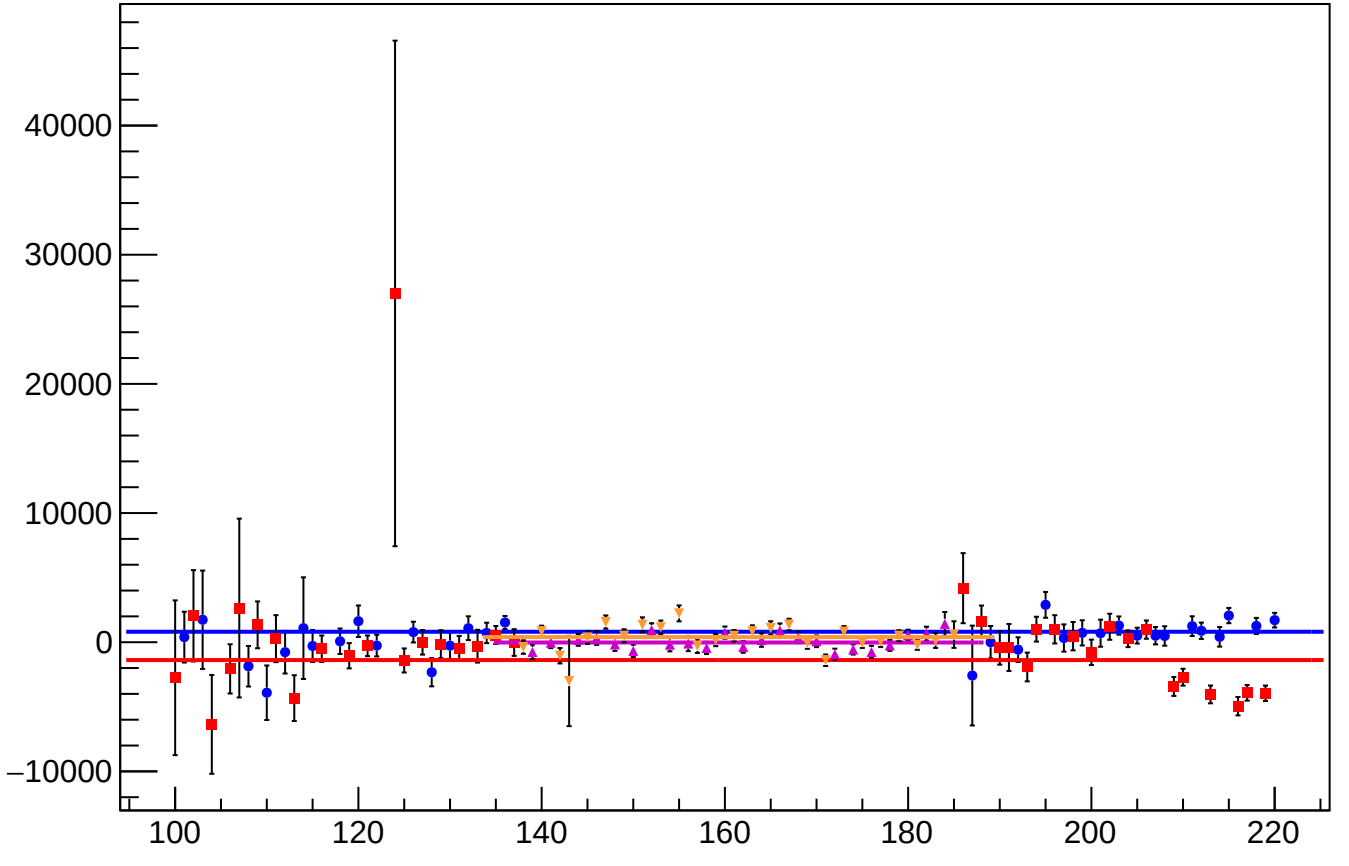
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1853.800+/-0.203 χ^2/NDF: 1323904.4/69

In: 1830.362+/-0.207 χ^2/NDF:691664.4/55

Out: 1817.948+/-0.203 χ^2/NDF:844424.9/61

All: 1824.019+/-0.145 χ^2/NDF: 1537925.9/11



Right In: 809.828+/-150.783 χ^2/NDF: 40.8/32

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -1382.337+/-161.667 χ^2/NDF: 165.6/36

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

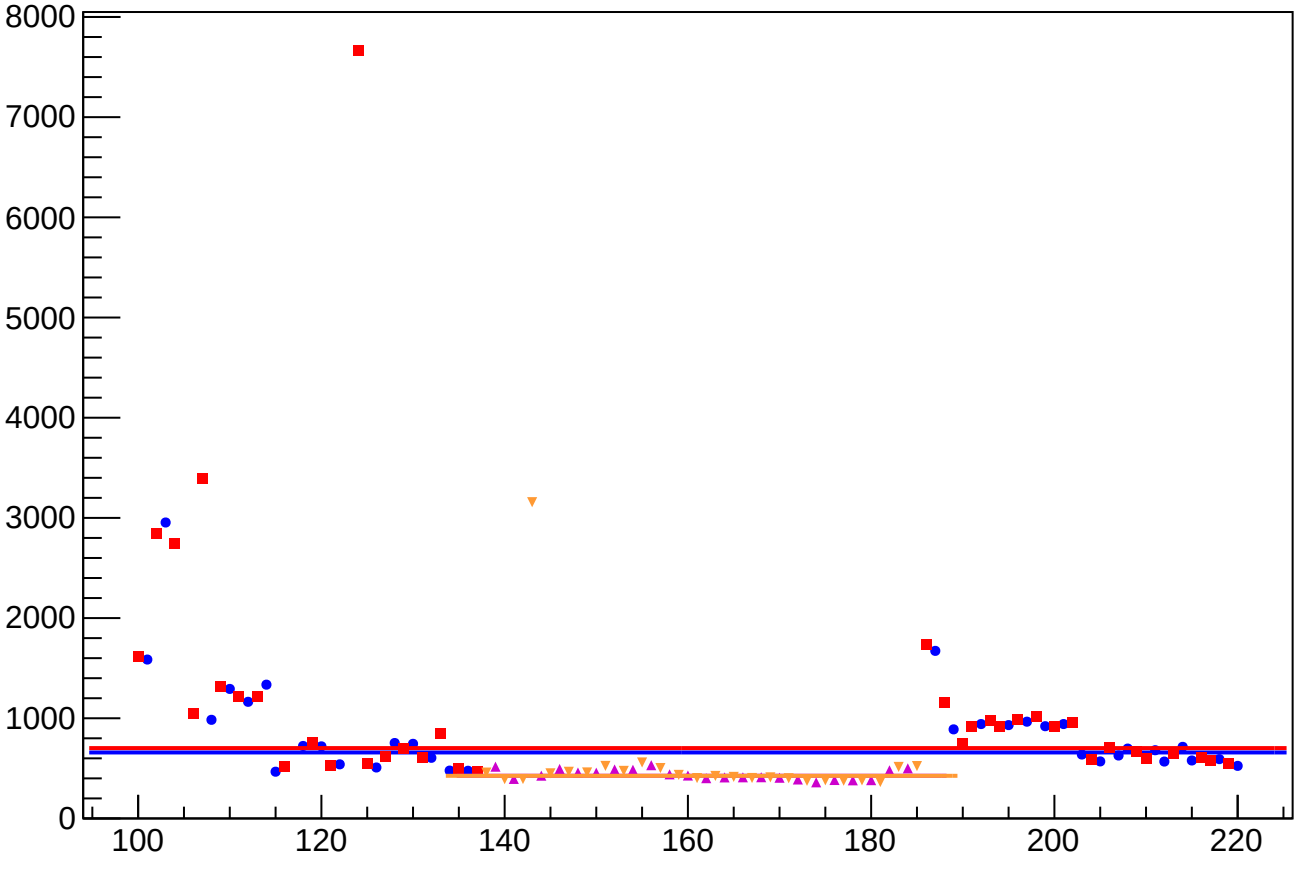
Right: -209.986+/-110.267 χ^2/NDF: 304.8/69

In: 233.417+/-83.491 χ^2/NDF:92.8/55

Out: -88.524+/-84.530 χ^2/NDF:314.3/61

All: 74.437+/-59.401 χ^2/NDF: 414.4/117

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 658.743+/-0.107 χ^2/NDF: 3526417.9/32

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 702.342+/-0.114 χ^2/NDF: 4796435.8/36

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

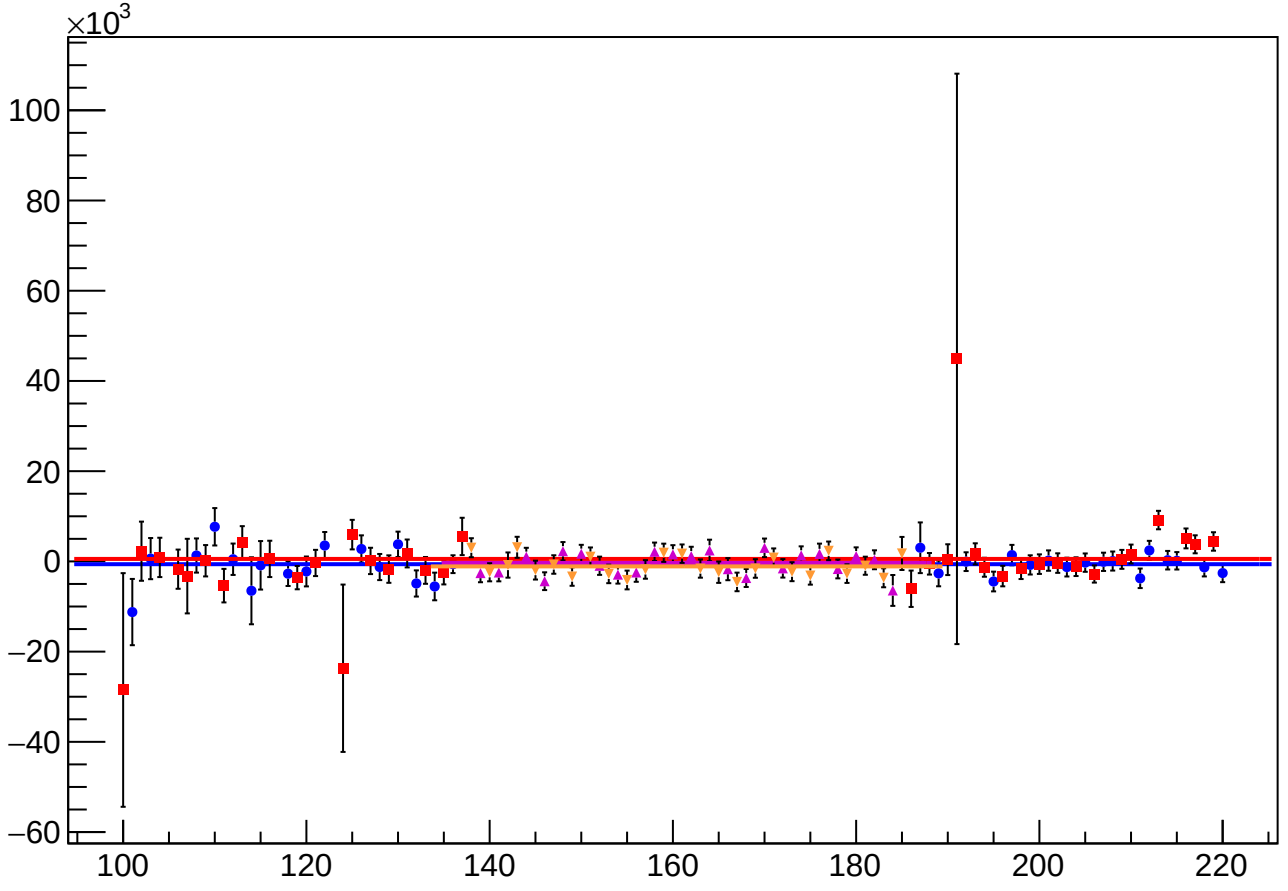
Right: 679.025+/-0.078 χ^2/NDF: 8400644.4/69

In: 497.459+/-0.059 χ^2/NDF:7241904.6/55

Out: 501.327+/-0.060 χ^2/NDF:10769963.9/61

All: 499.369+/-0.042 χ^2/NDF: 18013989.2/11

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -619.965+/-443.430 χ^2/NDF: 29.3/32

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 548.458+/-452.120 χ^2/NDF: 57.5/36

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

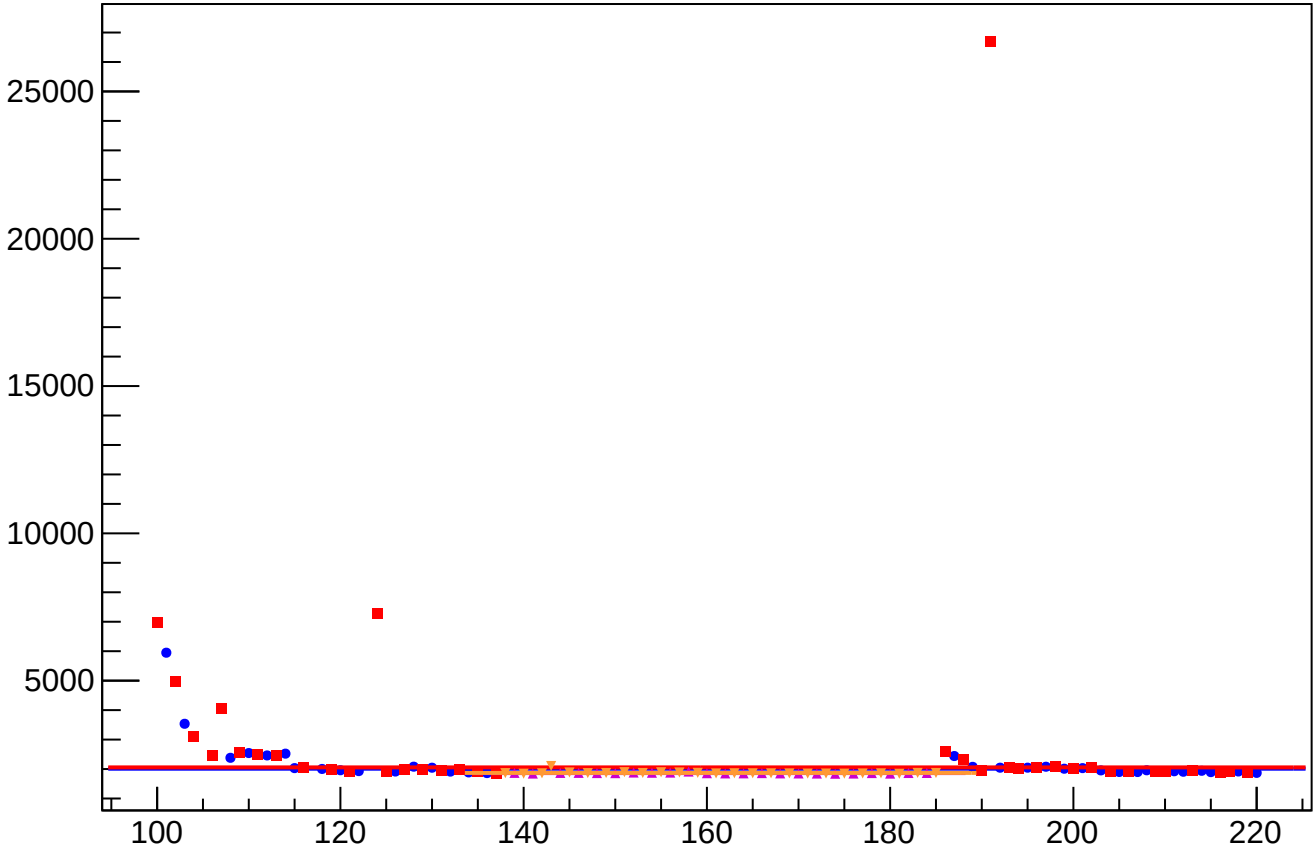
Right: -47.091+/-316.580 χ^2/NDF: 90.2/69

In: -480.814+/-310.510 χ^2/NDF:58.3/55

Out: -330.450+/-309.528 χ^2/NDF:92.6/61

All: -405.394+/-219.216 χ^2/NDF: 151.0/117

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2011.568+/-0.314 χ^2/NDF: 977547.1/32

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2055.591+/-0.320 χ^2/NDF: 1445658.9/36

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

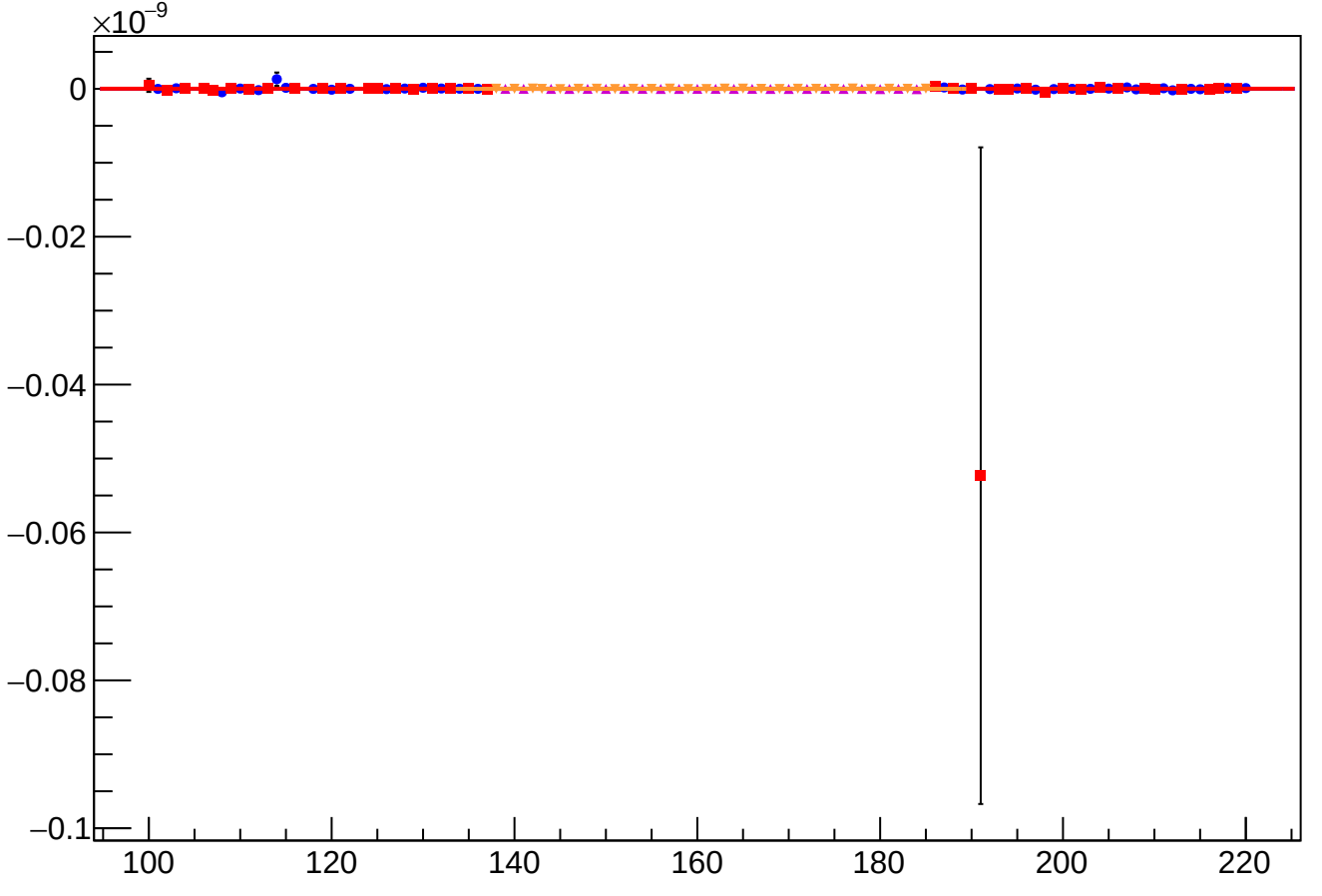
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2033.152+/-0.224 χ^2/NDF: 2432871.0/69

In: 1935.762+/-0.220 χ^2/NDF:1094947.7/55

Out: 1956.423+/-0.219 χ^2/NDF:1650074.9/61

All: 1946.125+/-0.155 χ^2/NDF: 2749464.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.5/36

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

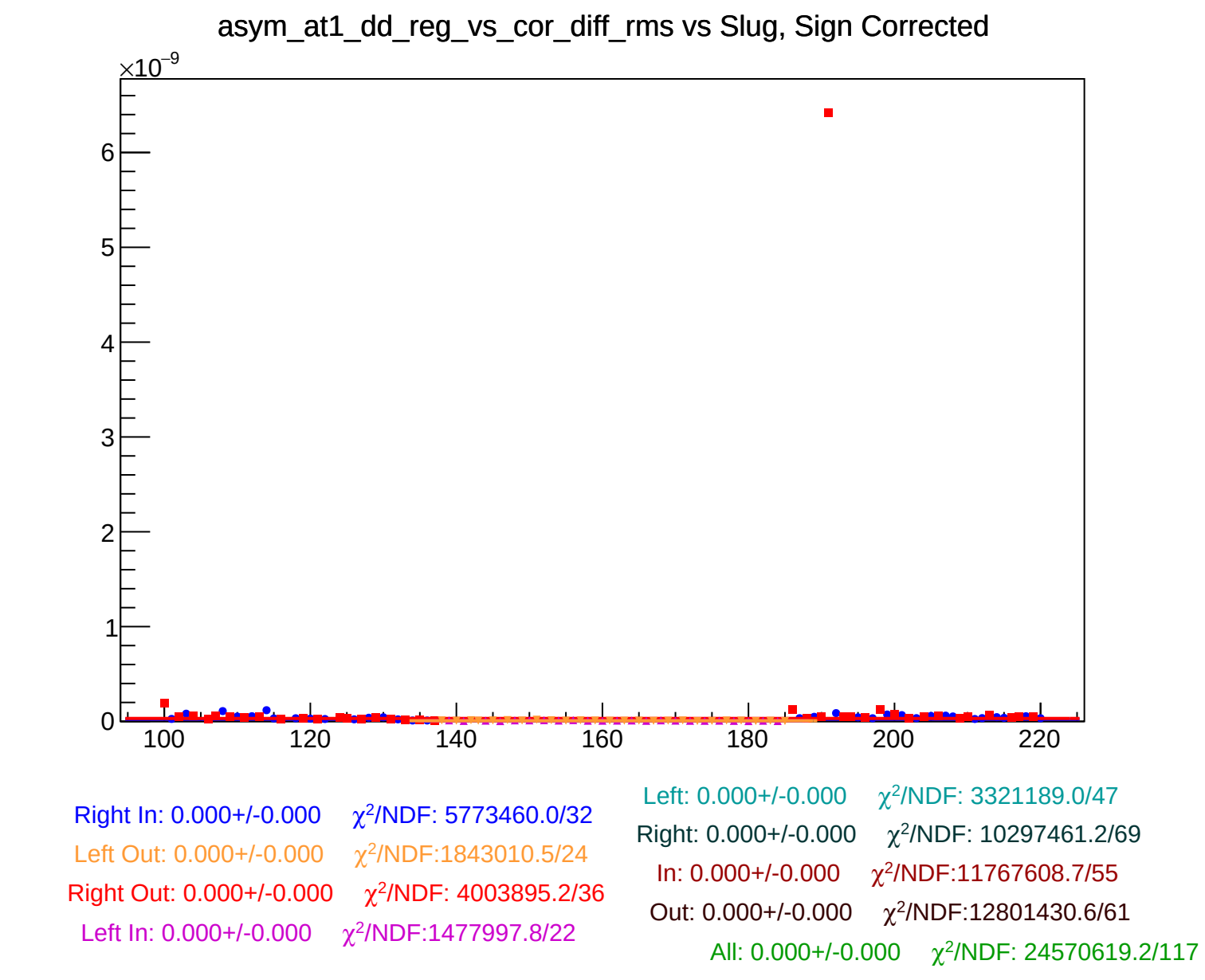
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

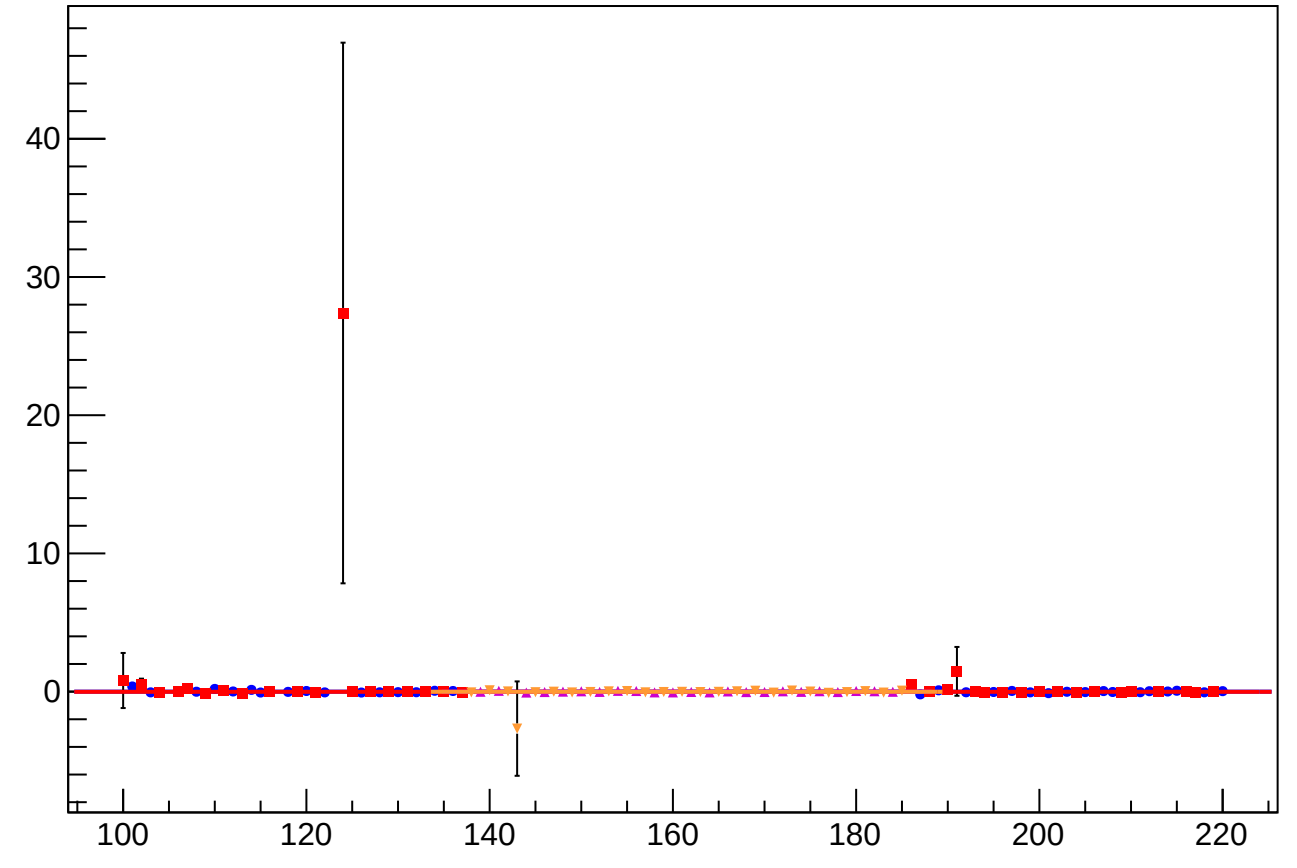
Right: 0.000+/-0.000 χ^2/NDF: 76.2/69

In: -0.000+/-0.000 χ^2/NDF:58.4/55

Out: 0.000+/-0.000 χ^2/NDF:78.2/61

All: -0.000+/-0.000 χ^2/NDF: 138.5/117


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0
1
2
3
4
5
6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5773460.0/32
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4003895.2/36
Left In: 0.000+/-0.000 χ²/NDF:1477997.8/22
Left: 0.000+/-0.000 χ²/NDF: 3321189.0/47
Right: 0.000+/-0.000 χ²/NDF: 10297461.2/69
In: 0.000+/-0.000 χ²/NDF:11767608.7/55
Out: 0.000+/-0.000 χ²/NDF:12801430.6/61
All: 0.000+/-0.000 χ²/NDF: 24570619.2/117



Right In: -0.001+/-0.010 χ^2/NDF: 33.7/32

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

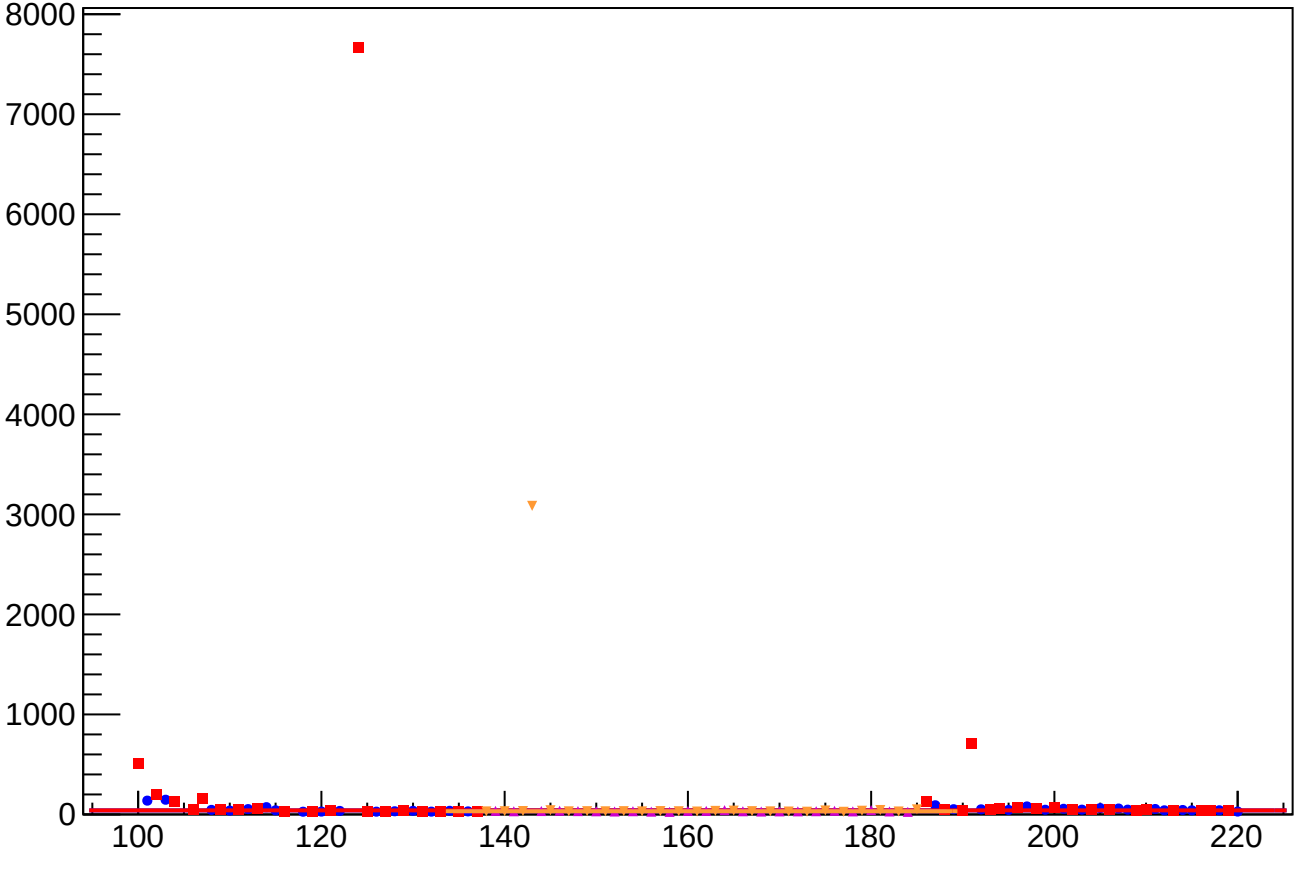
Right: -0.007+/-0.007 χ^2/NDF: 64.4/69

In: -0.003+/-0.006 χ^2/NDF:54.6/55

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

All: -0.007+/-0.005 χ^2/NDF: 125.1/117

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.378+/-0.007 χ^2/NDF: 3589804.1/32

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

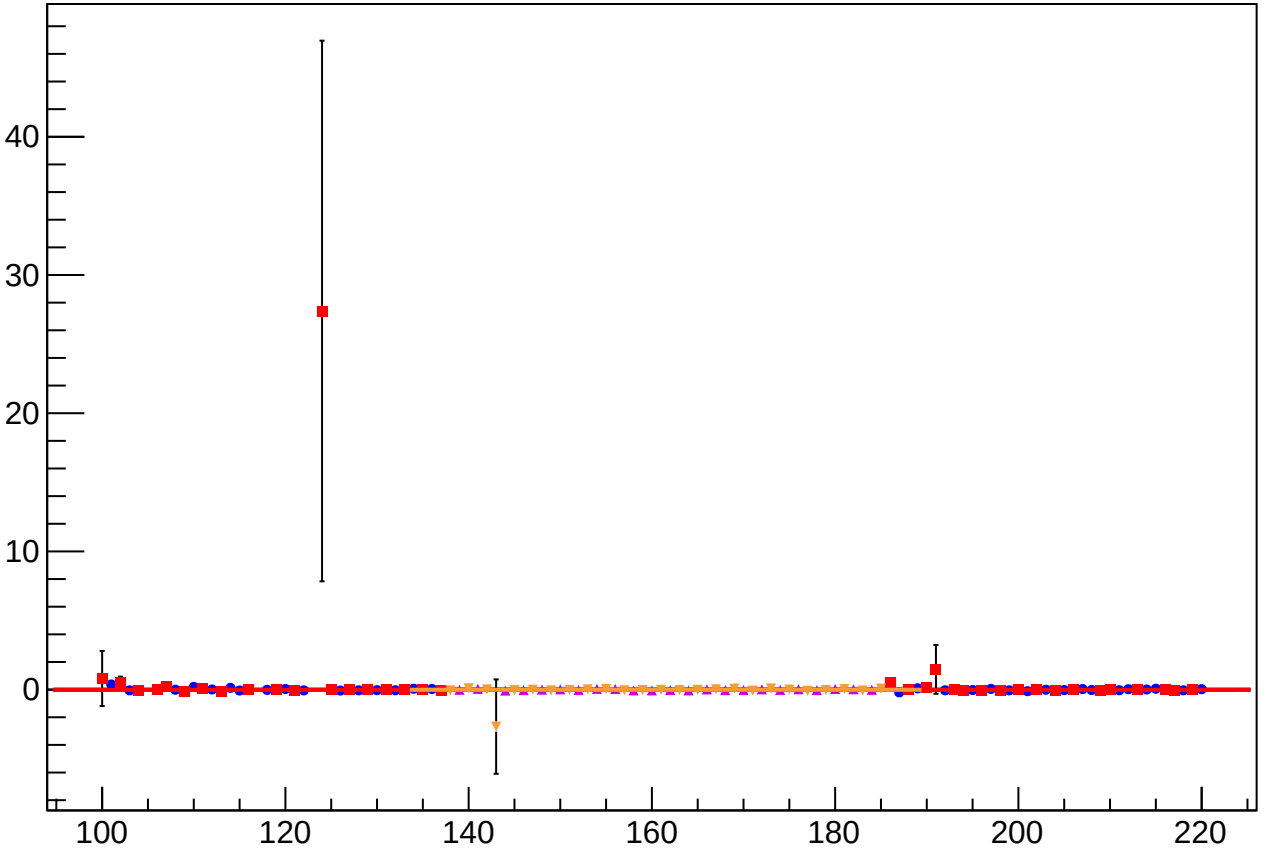
Right: 40.623+/-0.005 χ^2/NDF: 7951328.2/69

In: 35.647+/-0.005 χ^2/NDF:4763267.2/55

Out: 35.631+/-0.005 χ^2/NDF:7331618.9/61

All: 35.639+/-0.003 χ^2/NDF: 12094892.2/117

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.010 χ^2/NDF: 33.7/32

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

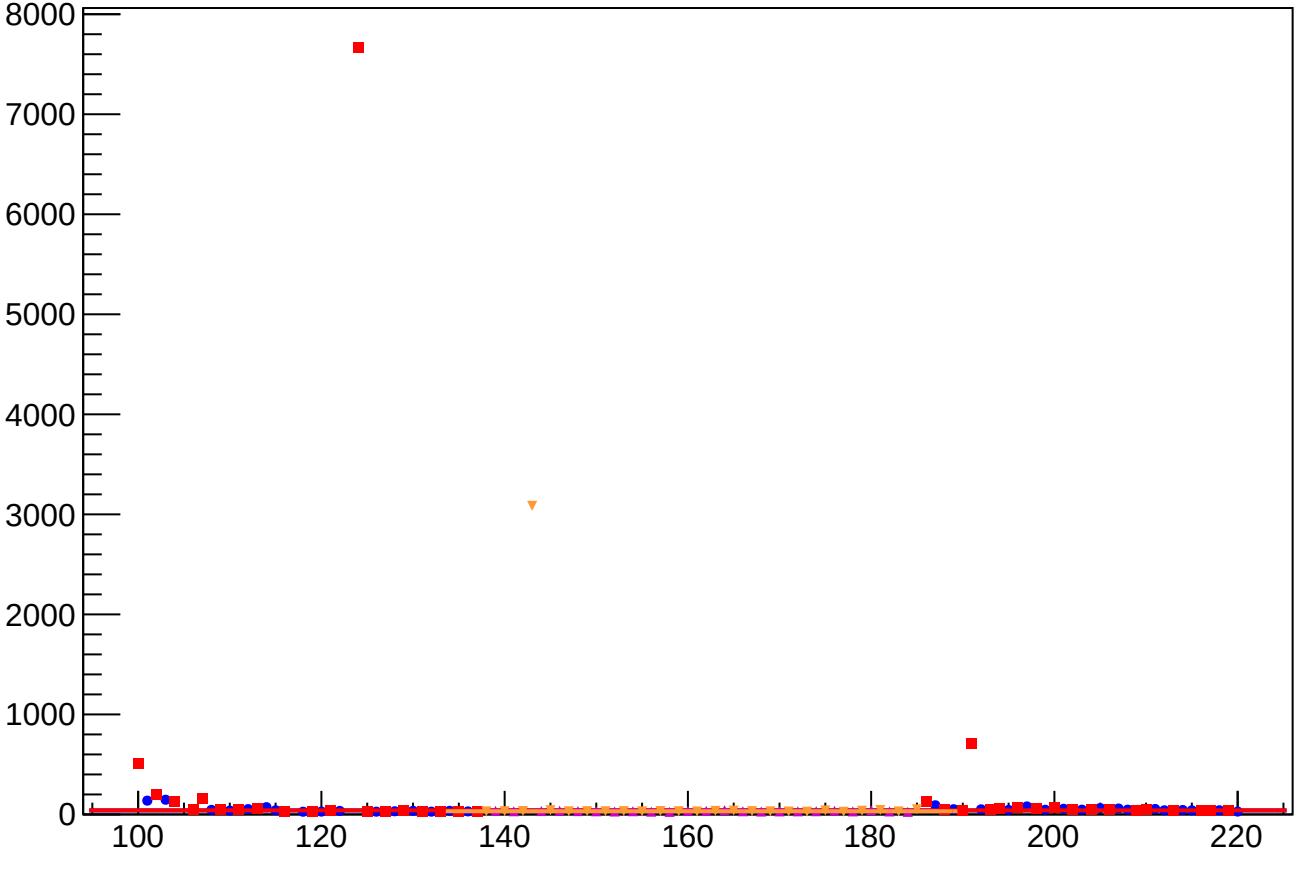
Right: -0.007+/-0.007 χ^2/NDF: 64.4/69

In: -0.003+/-0.006 χ^2/NDF:54.6/55

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

All: -0.007+/-0.005 χ^2/NDF: 125.1/117

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.378+/-0.007 χ^2/NDF: 3589804.1/32

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

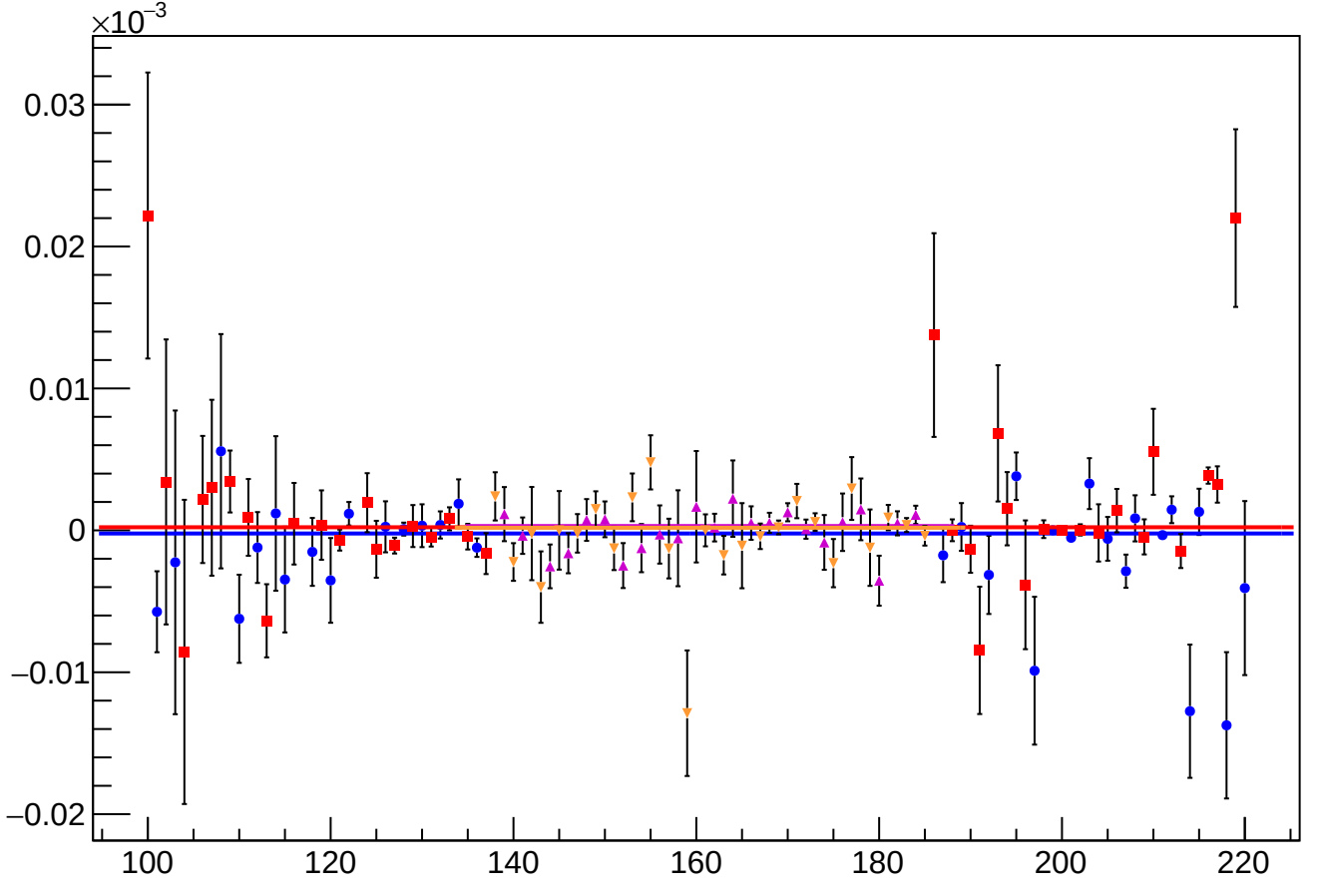
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.623+/-0.005 χ^2/NDF: 7951328.2/69

In: 35.647+/-0.005 χ^2/NDF:4763267.2/55

Out: 35.631+/-0.005 χ^2/NDF:7331618.9/61

All: 35.639+/-0.003 χ^2/NDF: 12094892.2/117



Right In: -0.000+/-0.000 χ^2/NDF: 59.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 102.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

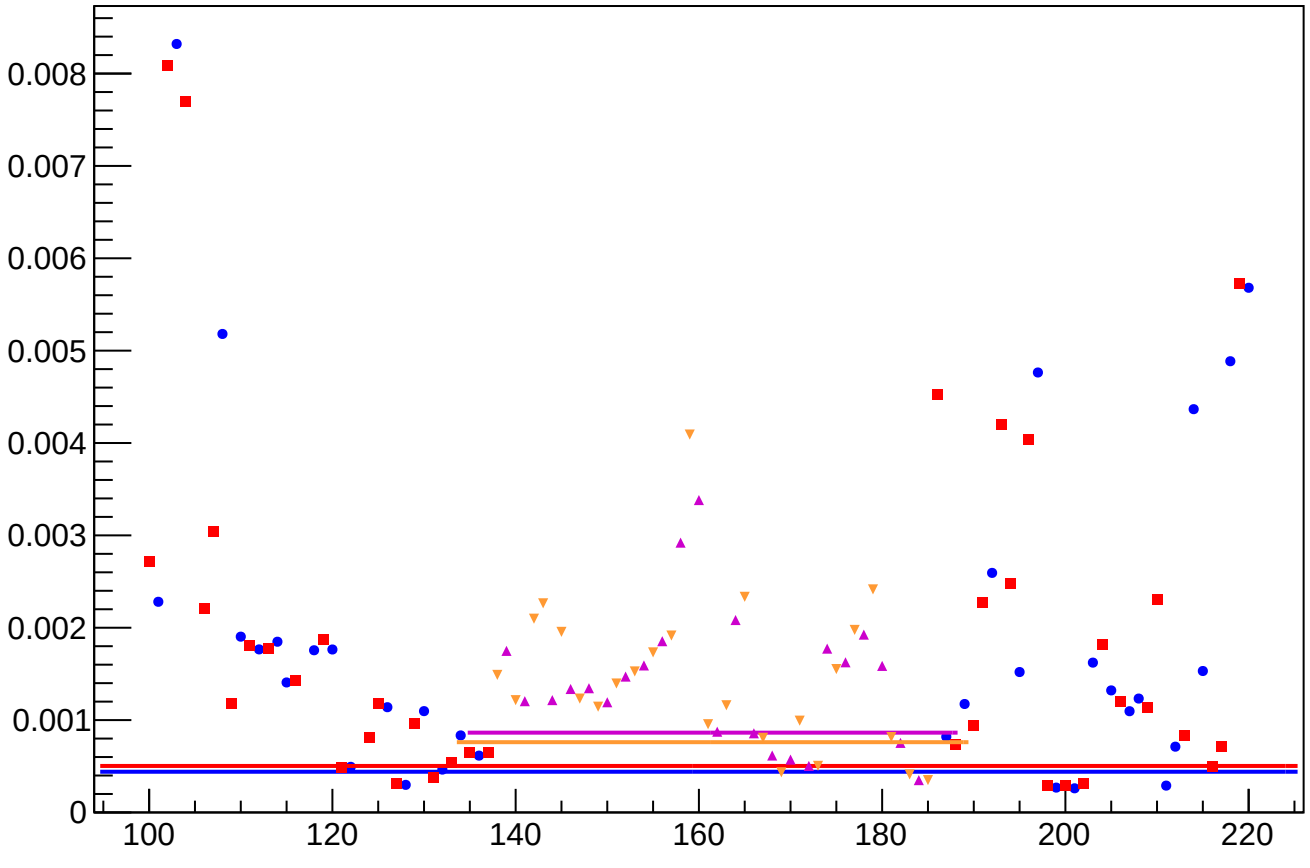
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 166.0/69

In: -0.000+/-0.000 χ^2/NDF:82.8/55

Out: 0.000+/-0.000 χ^2/NDF:140.2/61

All: 0.000+/-0.000 χ^2/NDF: 225.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 19795340.1/32

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 16190110.7/36

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

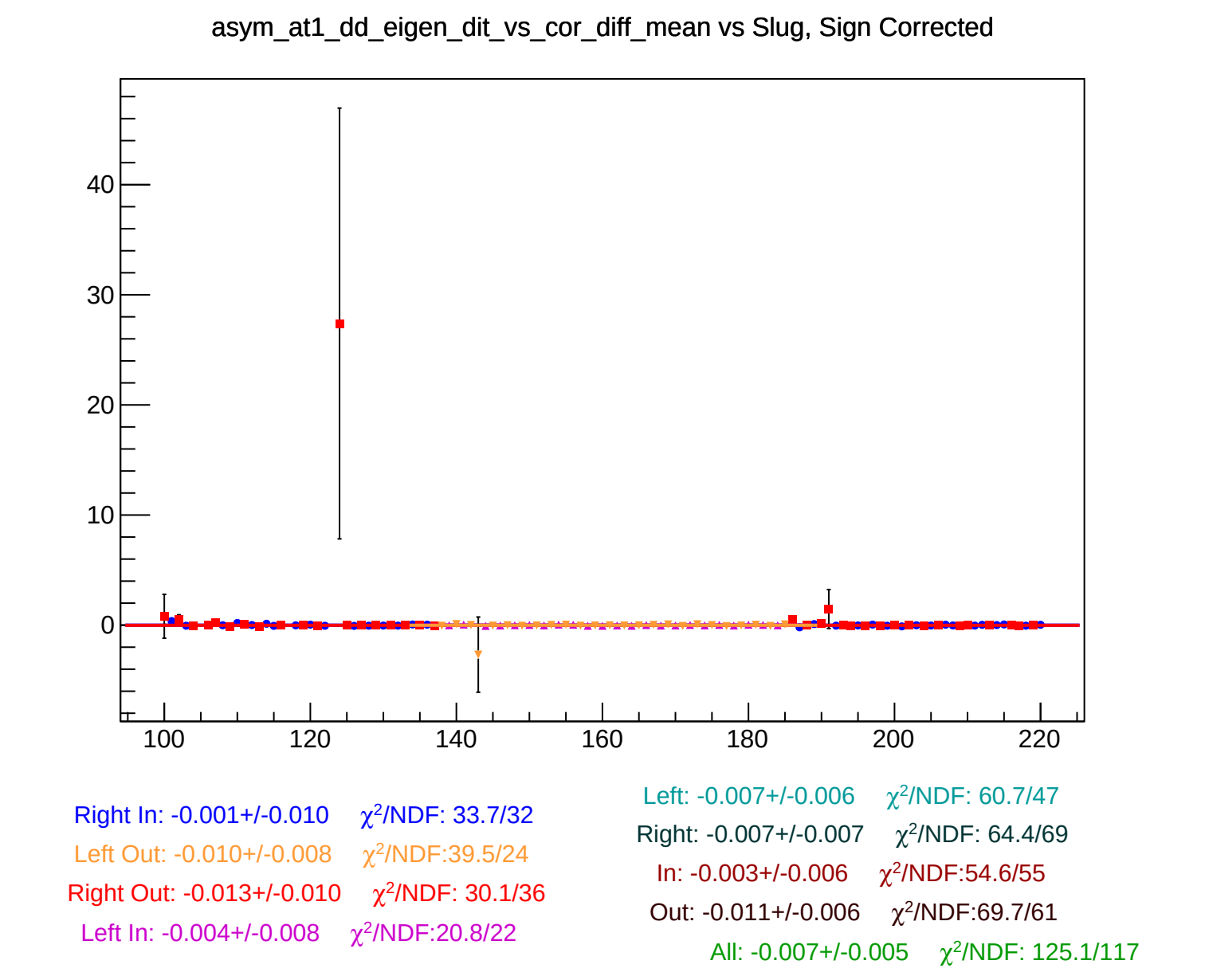
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.000+/-0.000 χ^2/NDF: 36159287.6/69

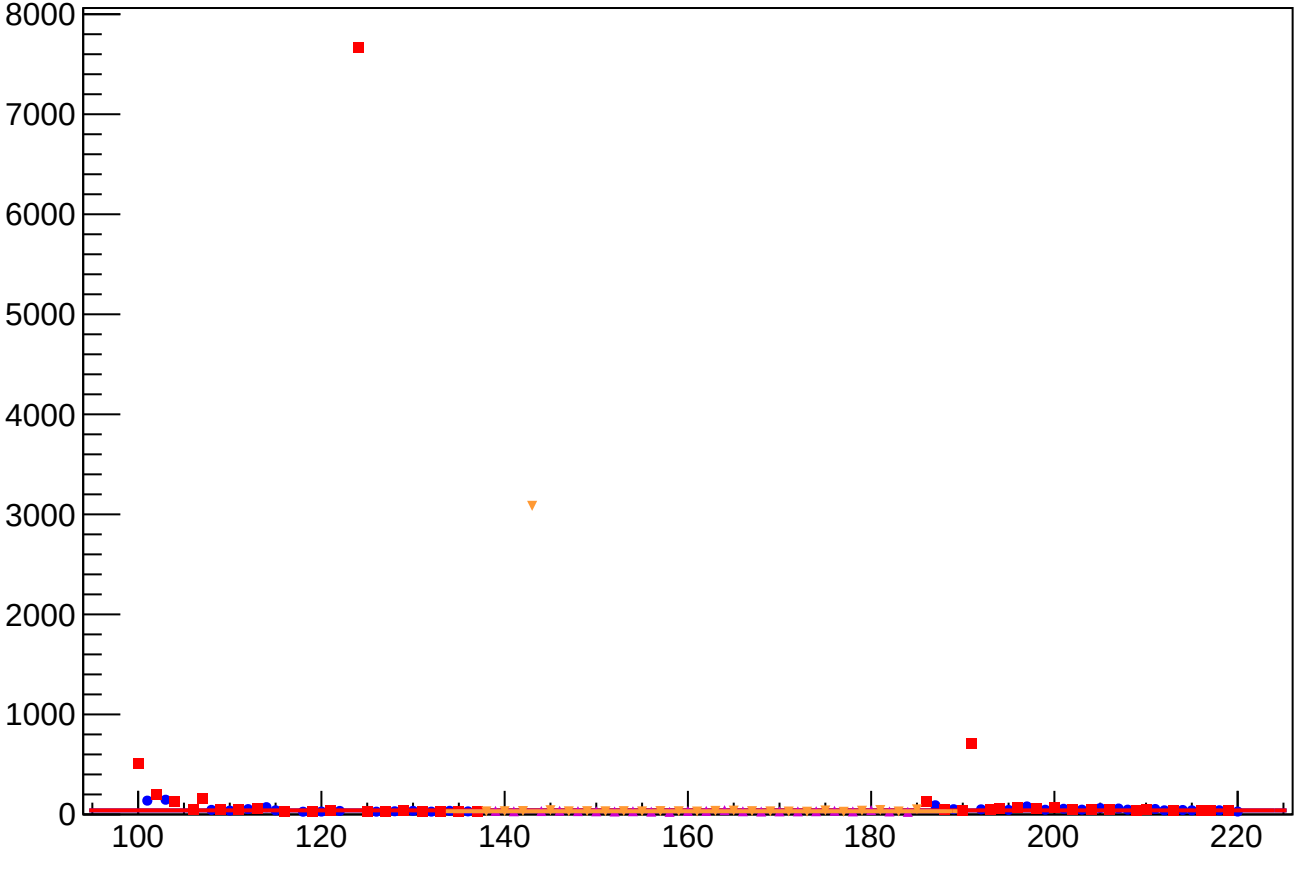
In: 0.001+/-0.000 χ^2/NDF:32855194.0/55

Out: 0.001+/-0.000 χ^2/NDF:29164653.5/61

All: 0.001+/-0.000 χ^2/NDF: 62146755.4/117


asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
120
140
160
180
200
220
Right In: -0.001+/-0.010 χ²/NDF: 33.7/32
Left Out: -0.010+/-0.008 χ²/NDF:39.5/24
Right Out: -0.013+/-0.010 χ²/NDF: 30.1/36
Left In: -0.004+/-0.008 χ²/NDF:20.8/22
Left: -0.007+/-0.006 χ²/NDF: 60.7/47
Right: -0.007+/-0.007 χ²/NDF: 64.4/69
In: -0.003+/-0.006 χ²/NDF:54.6/55
Out: -0.011+/-0.006 χ²/NDF:69.7/61
All: -0.007+/-0.005 χ²/NDF: 125.1/117

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.379+/-0.007 χ^2/NDF: 3589666.4/32

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

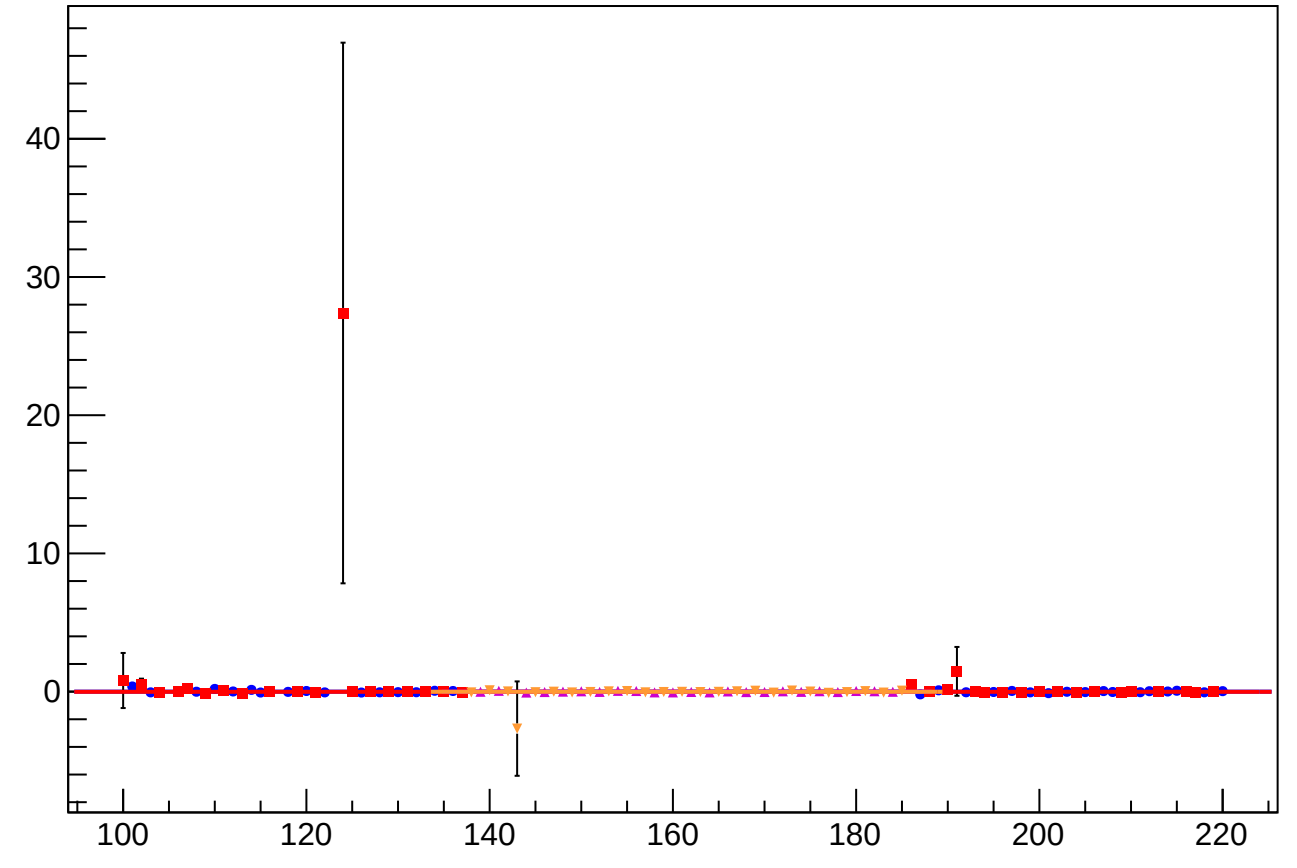
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.623+/-0.005 χ^2/NDF: 7951201.1/69

In: 35.647+/-0.005 χ^2/NDF:4763062.0/55

Out: 35.631+/-0.005 χ^2/NDF:7331673.1/61

All: 35.639+/-0.003 χ^2/NDF: 12094741.5/117



Right In: -0.001+/-0.010 χ^2/NDF: 33.7/32

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.013+/-0.010 χ^2/NDF: 30.1/36

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

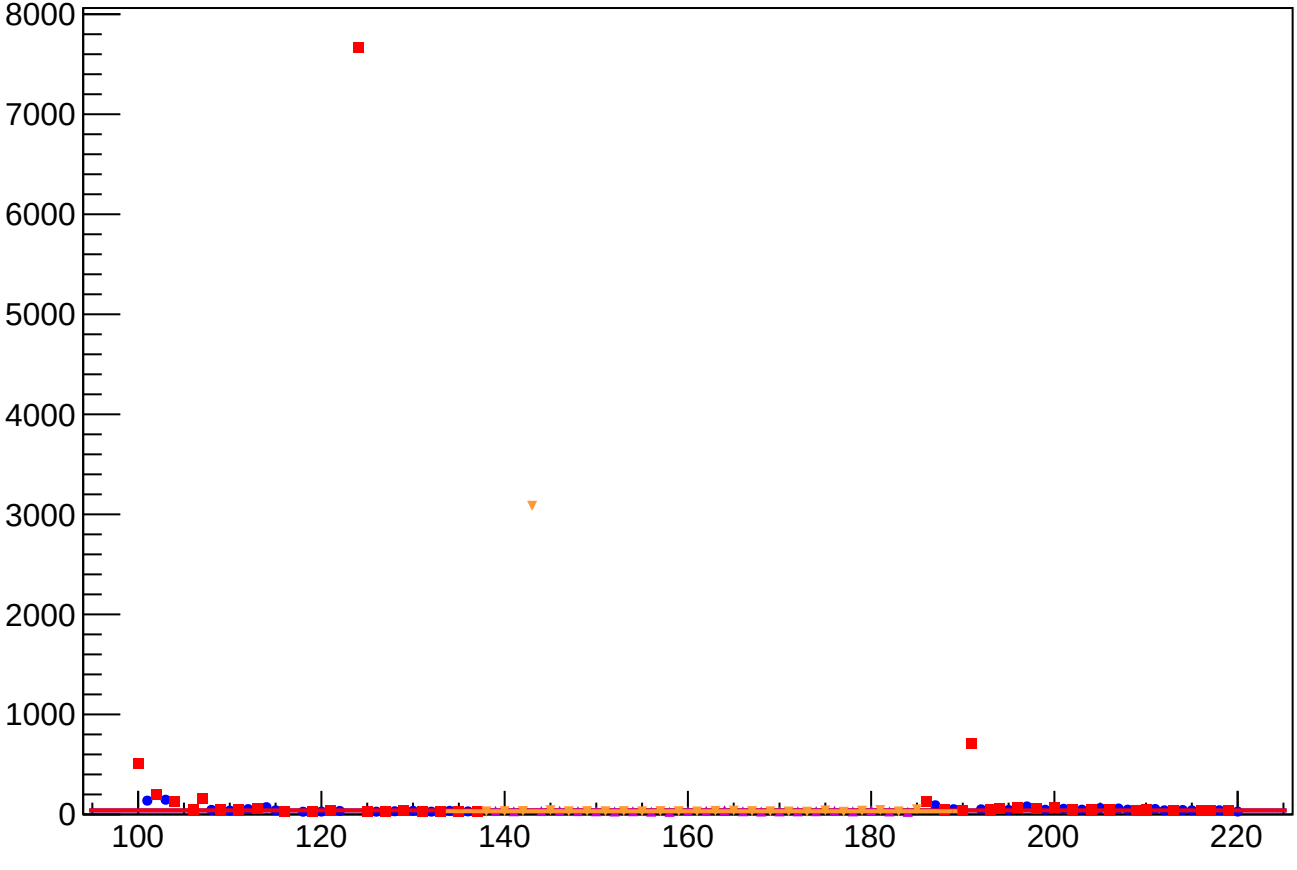
Right: -0.007+/-0.007 χ^2/NDF: 64.4/69

In: -0.003+/-0.006 χ^2/NDF:54.6/55

Out: -0.011+/-0.006 χ^2/NDF:69.7/61

All: -0.007+/-0.005 χ^2/NDF: 125.1/117

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.379+/-0.007 χ^2/NDF: 3589666.4/32

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

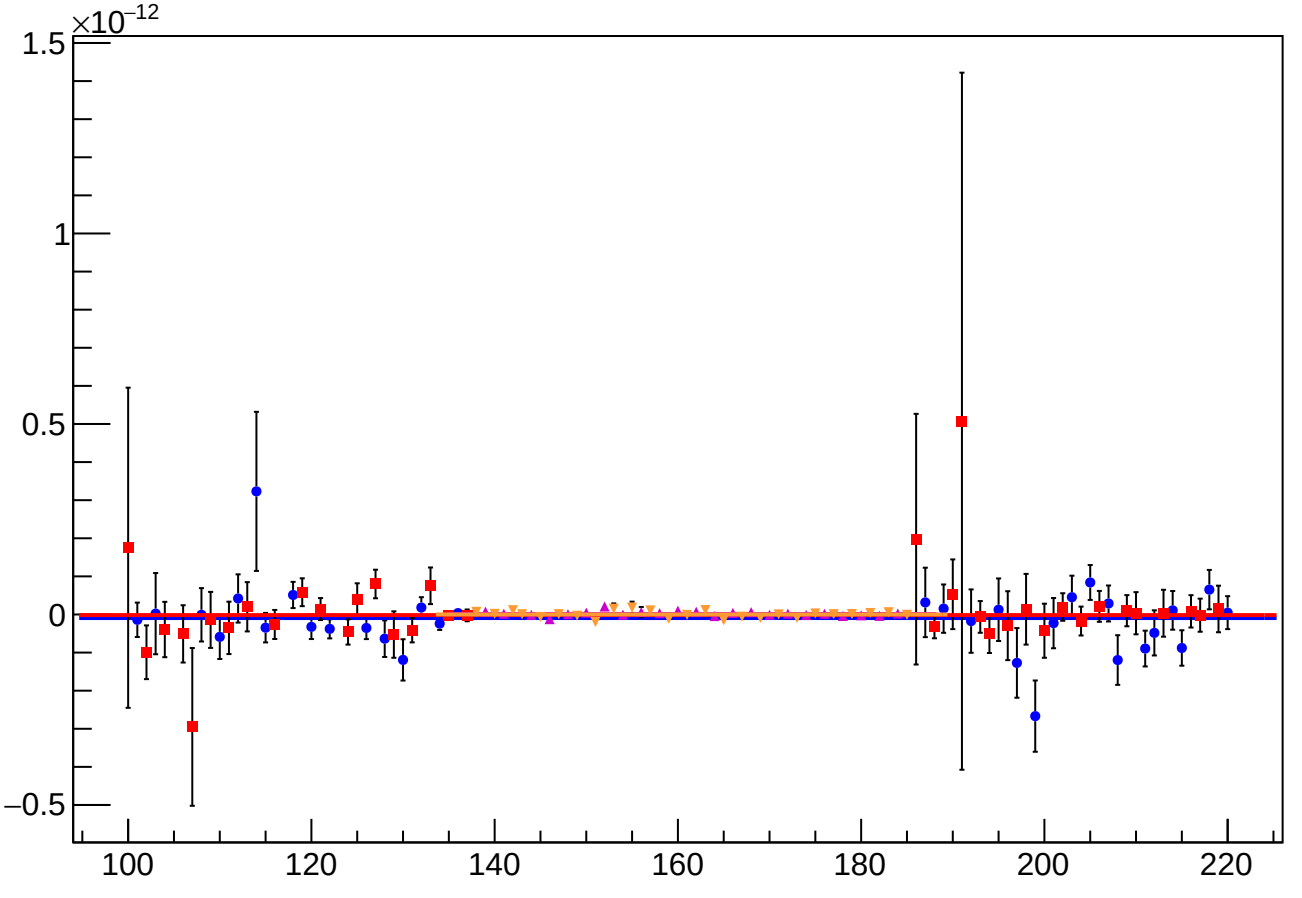
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.623+/-0.005 χ^2/NDF: 7951201.1/69

In: 35.647+/-0.005 χ^2/NDF:4763062.0/55

Out: 35.631+/-0.005 χ^2/NDF:7331673.1/61

All: 35.639+/-0.003 χ^2/NDF: 12094741.5/117



Right In: -0.000+/-0.000 χ^2/NDF: 46.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/36

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

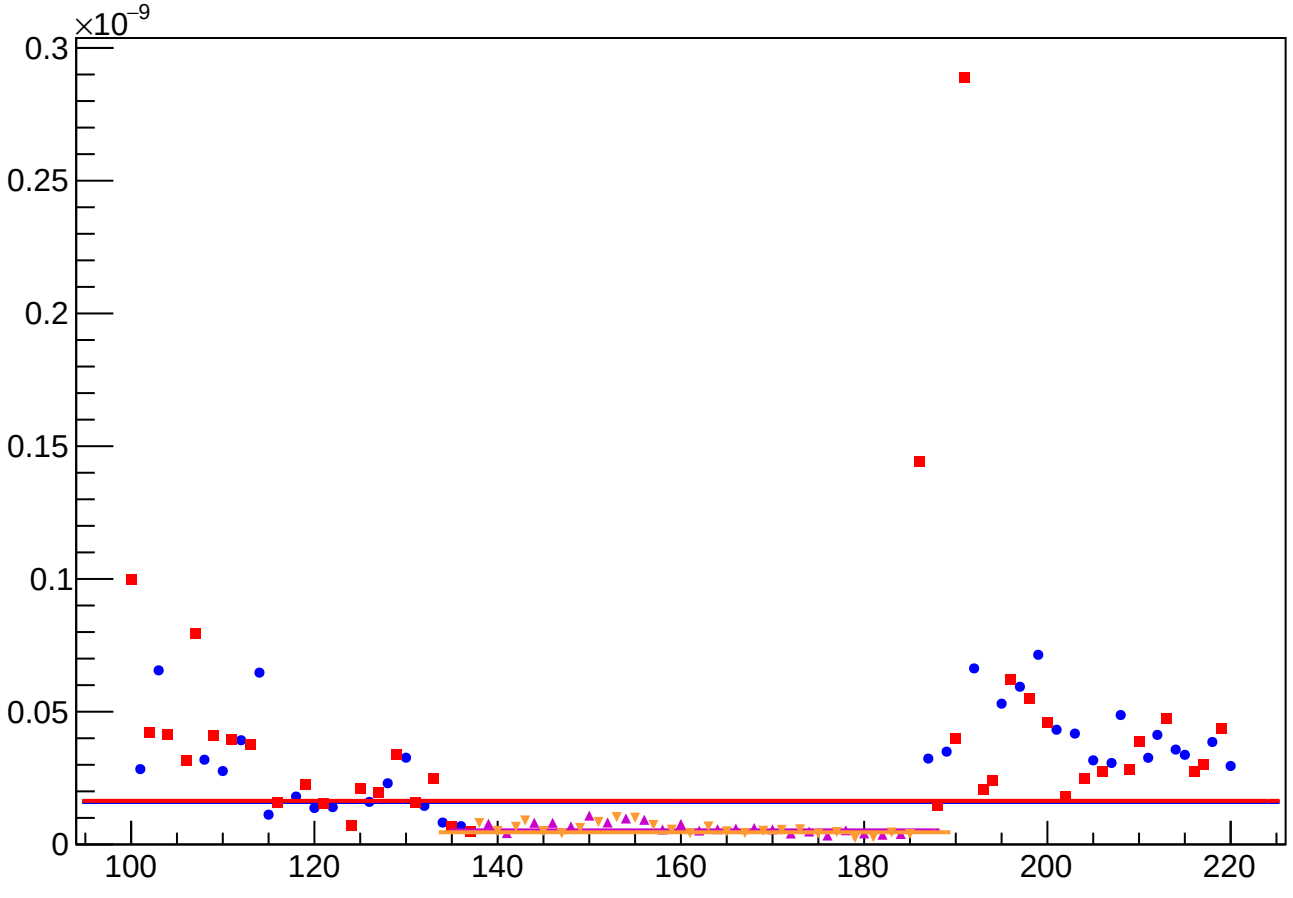
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 72.4/69

In: 0.000+/-0.000 χ^2/NDF:58.3/55

Out: -0.000+/-0.000 χ^2/NDF:46.6/61

All: 0.000+/-0.000 χ^2/NDF: 104.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 9887974.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8312119.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

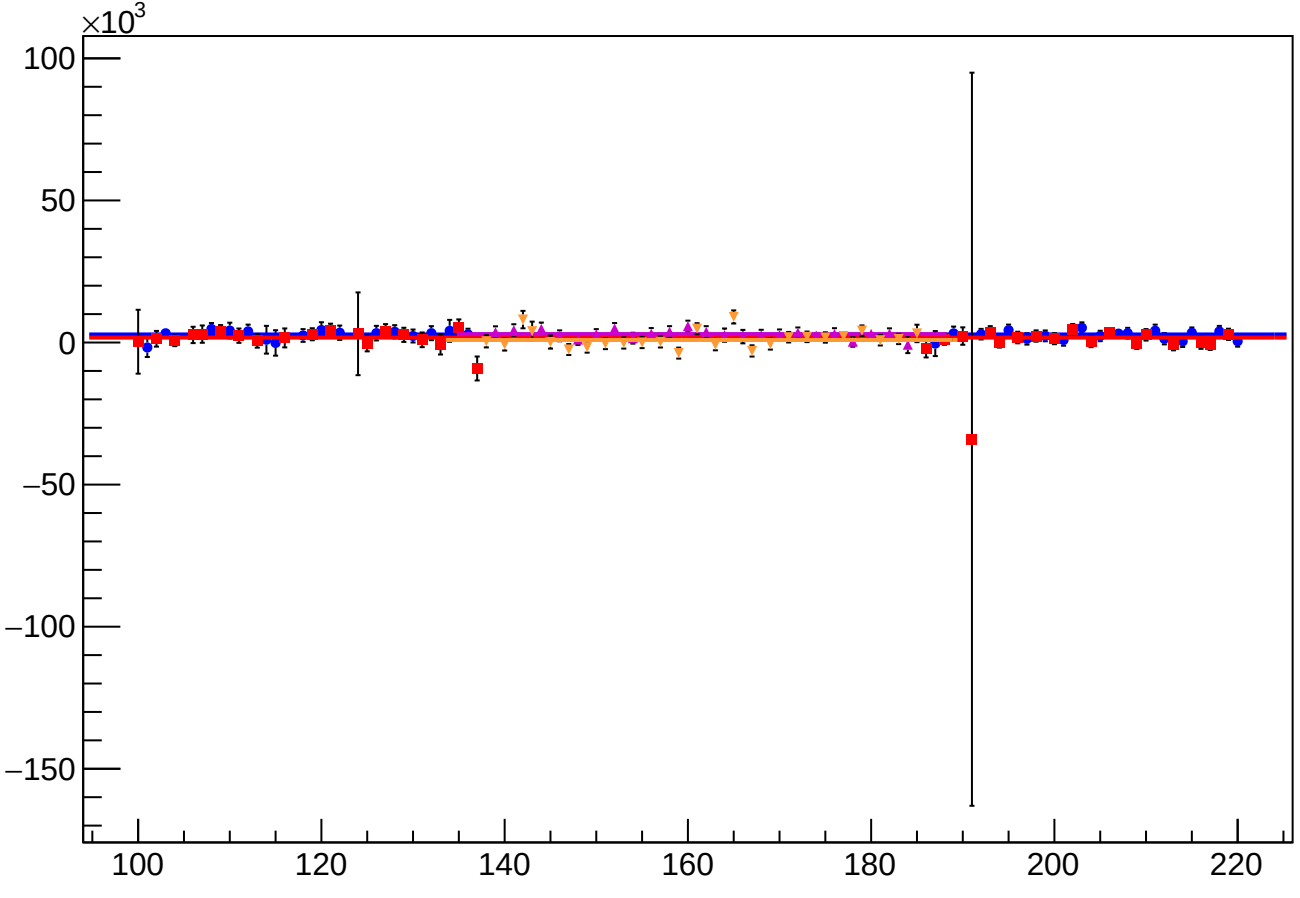
Right: 0.000+/-0.000 χ^2/NDF: 18205110.2/69

In: 0.000+/-0.000 χ^2/NDF:18381539.1/55

Out: 0.000+/-0.000 χ^2/NDF:18087985.9/61

All: 0.000+/-0.000 χ^2/NDF: 36808896.3/117

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2841.358+/-383.590 χ^2/NDF: 13.2/32

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1732.934+/-384.645 χ^2/NDF: 27.7/36

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

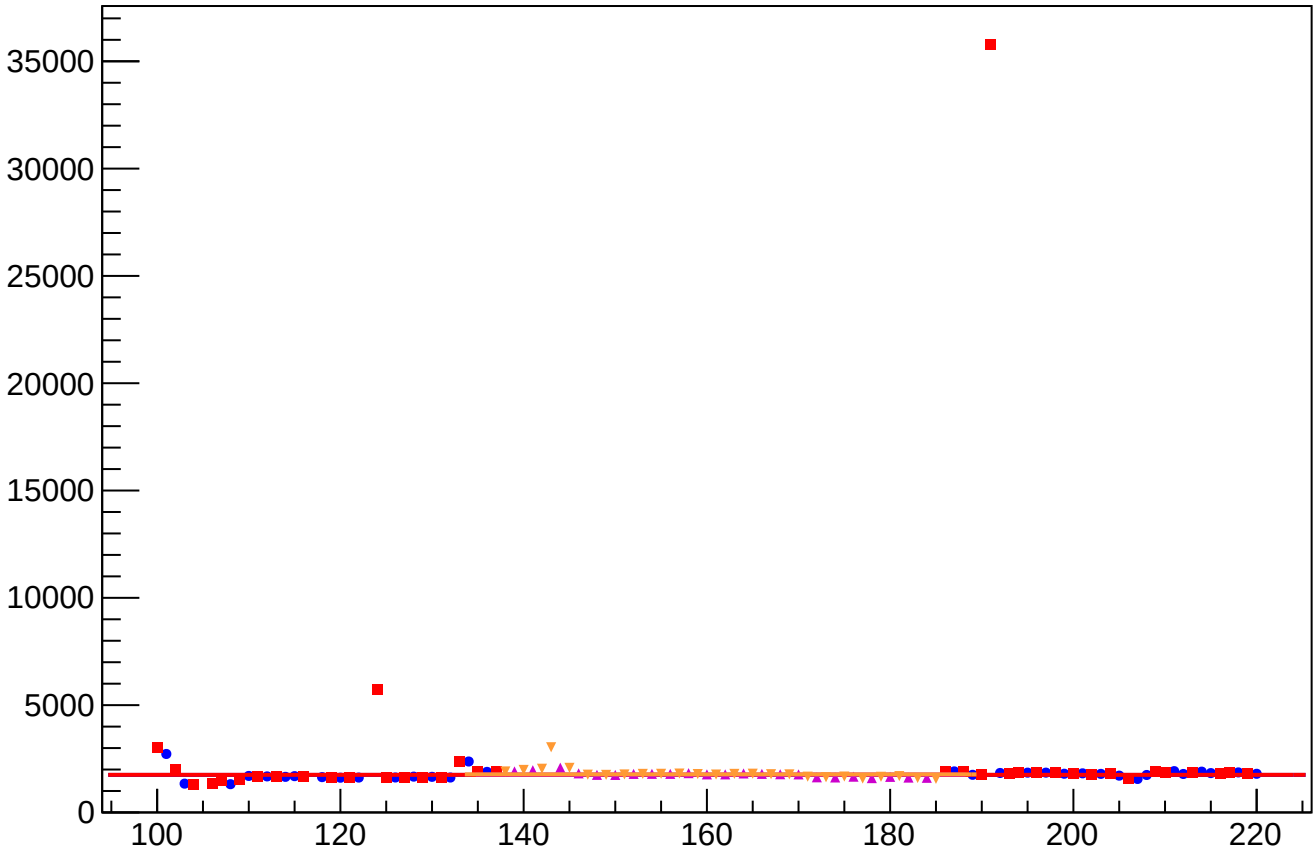
Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

Right: 2288.668+/-271.611 χ^2/NDF: 45.0/69

In: 2888.678+/-280.768 χ^2/NDF:23.8/55

Out: 1337.967+/-279.080 χ^2/NDF:75.2/61

All: 2108.647+/-197.933 χ^2/NDF: 114.3/117



Right In: 1747.874+/-0.271 χ^2/NDF: 542012.7/32

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.2/36

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

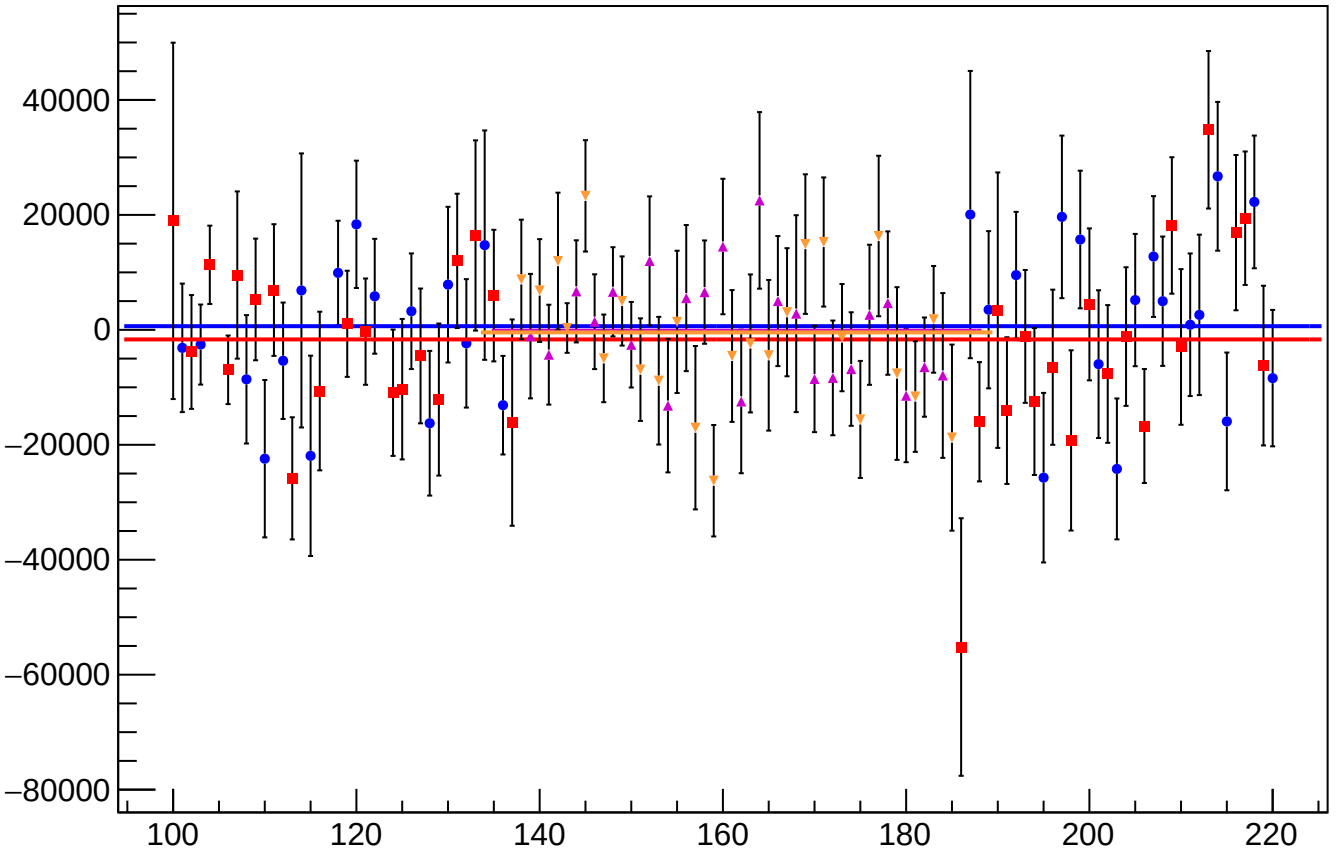
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1750.555+/-0.192 χ^2/NDF: 1279889.8/69

In: 1754.009+/-0.199 χ^2/NDF:689381.2/55

Out: 1763.423+/-0.197 χ^2/NDF:1187530.8/61

All: 1758.744+/-0.140 χ^2/NDF: 1878043.0/11



Right In: 635.165+/-2036.992 χ^2/NDF: 39.1/32

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -1667.094+/-1898.852 χ^2/NDF: 46.4/36

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

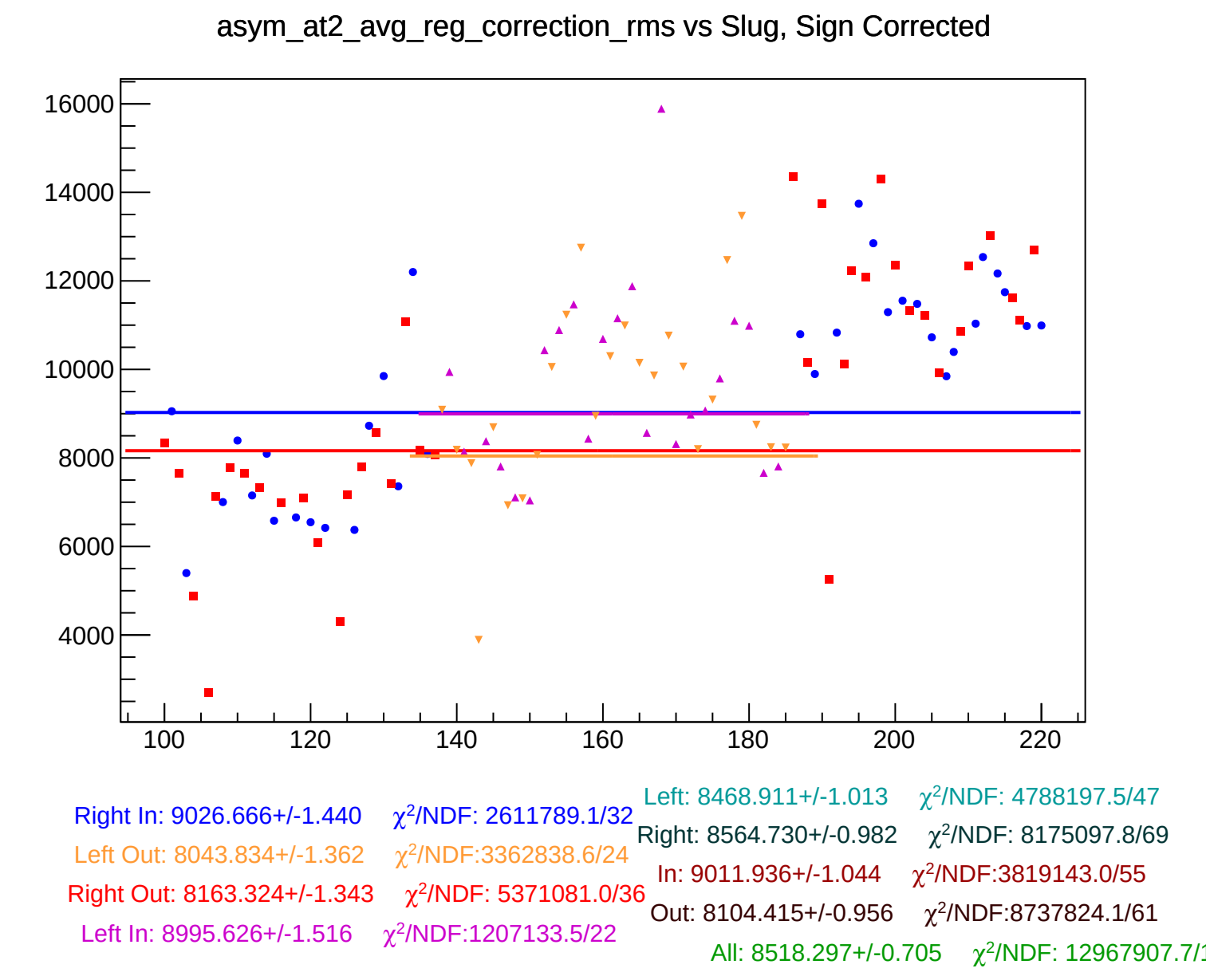
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -596.670+/-1388.961 χ^2/NDF: 86.2/69

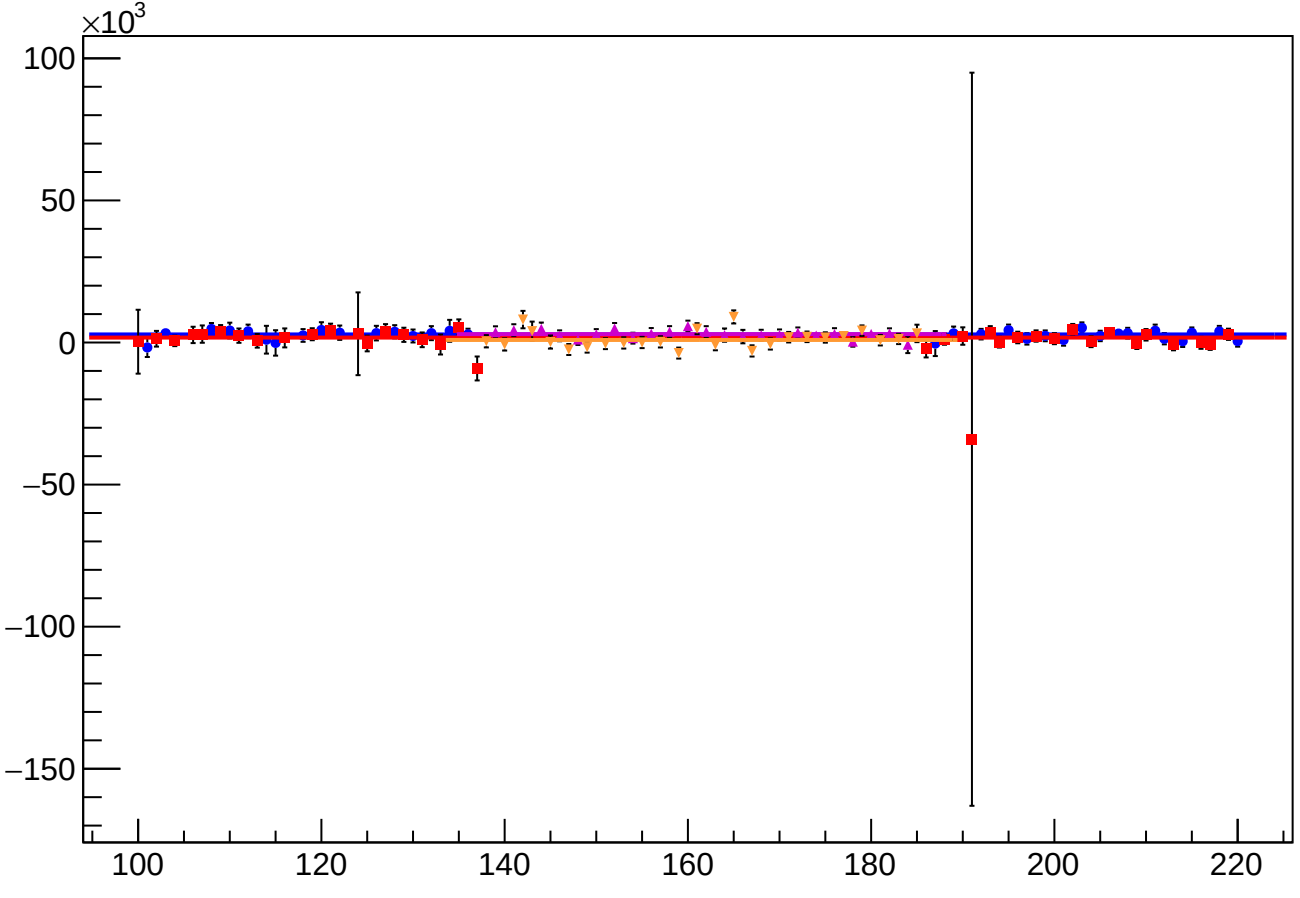
In: 260.071+/-1476.585 χ^2/NDF:52.9/55

Out: -1063.780+/-1352.050 χ^2/NDF:76.1/61

All: -460.026+/-997.169 χ^2/NDF: 129.5/117


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 9026.666+/-1.440 χ²/NDF: 2611789.1/32
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 8163.324+/-1.343 χ²/NDF: 5371081.0/36
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 8564.730+/-0.982 χ²/NDF: 8175097.8/69
In: 9011.936+/-1.044 χ²/NDF:3819143.0/55
Out: 8104.415+/-0.956 χ²/NDF:8737824.1/61
All: 8518.297+/-0.705 χ²/NDF: 12967907.7/1

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2841.374+/-383.590 χ^2/NDF: 13.2/32

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1732.907+/-384.645 χ^2/NDF: 27.7/36

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

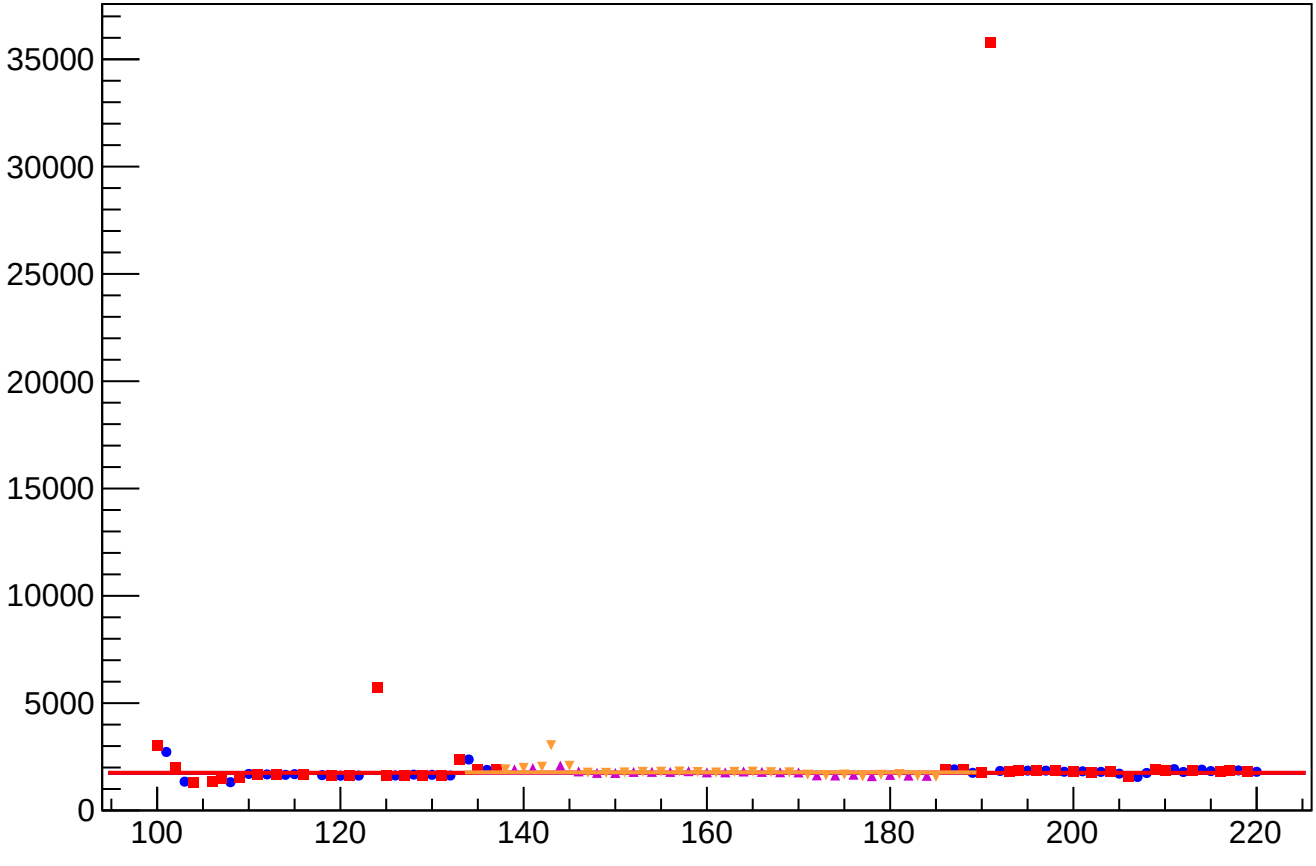
Right: 2288.662+/-271.611 χ^2/NDF: 45.0/69

In: 2888.634+/-280.768 χ^2/NDF:23.8/55

Out: 1337.915+/-279.080 χ^2/NDF:75.2/61

All: 2108.599+/-197.933 χ^2/NDF: 114.3/117

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1747.874+/-0.271 χ^2/NDF: 542013.2/32

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

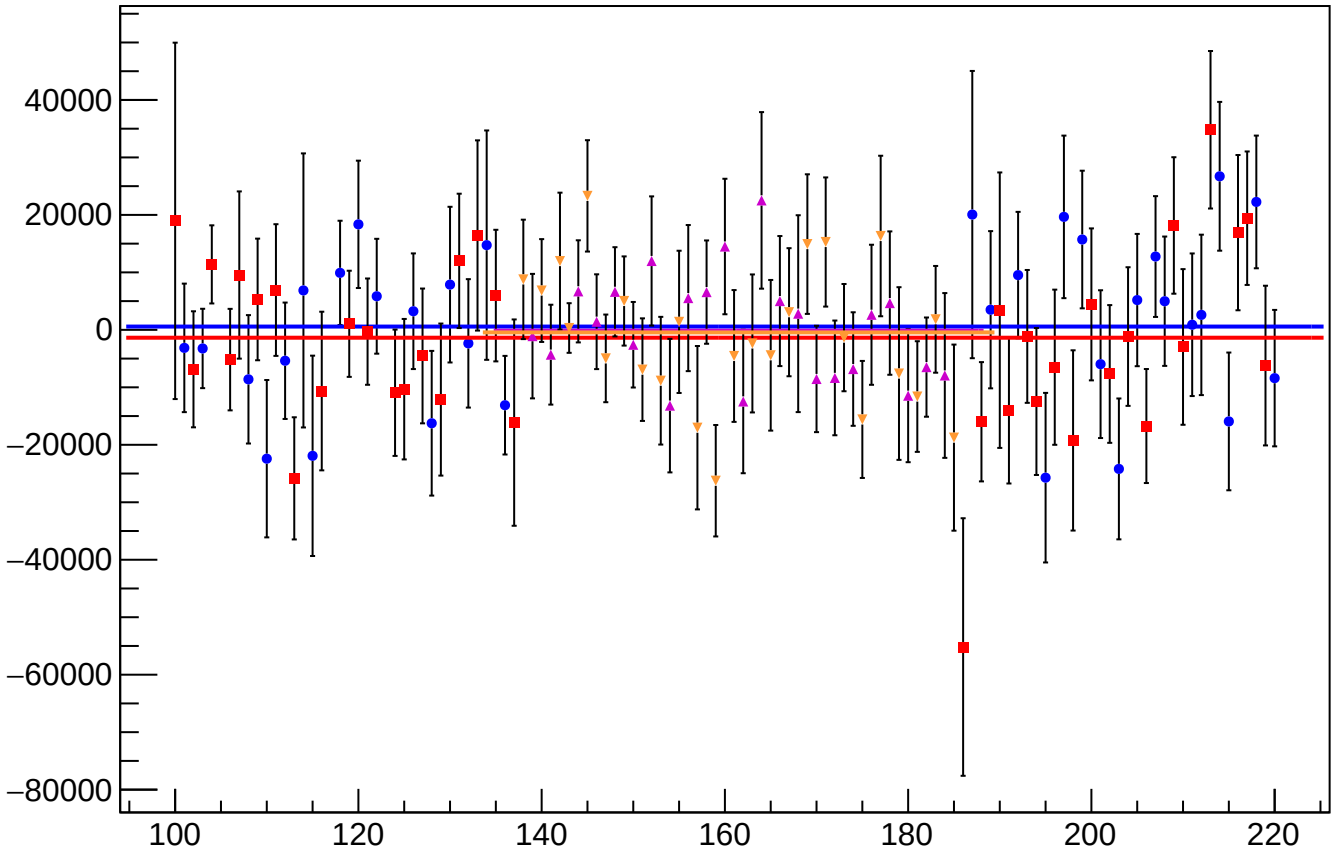
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1750.555+/-0.192 χ^2/NDF: 1279890.5/69

In: 1754.009+/-0.199 χ^2/NDF:689381.7/55

Out: 1763.423+/-0.197 χ^2/NDF:1187531.0/61

All: 1758.744+/-0.140 χ^2/NDF: 1878043.7/11



Right In: 571.395+/-2035.490 χ^2/NDF: 39.2/32

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -1368.392+/-1954.366 χ^2/NDF: 46.0/36

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

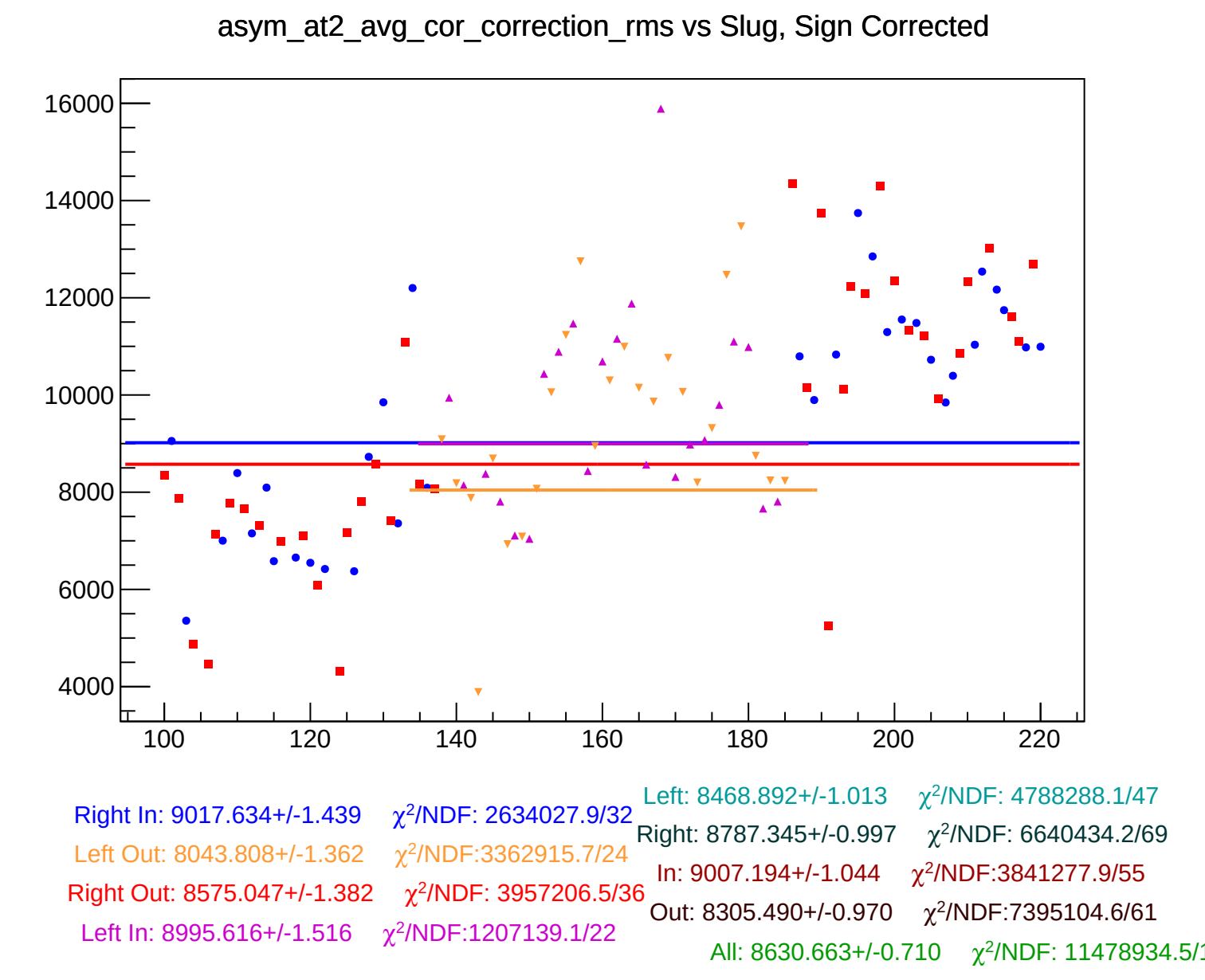
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

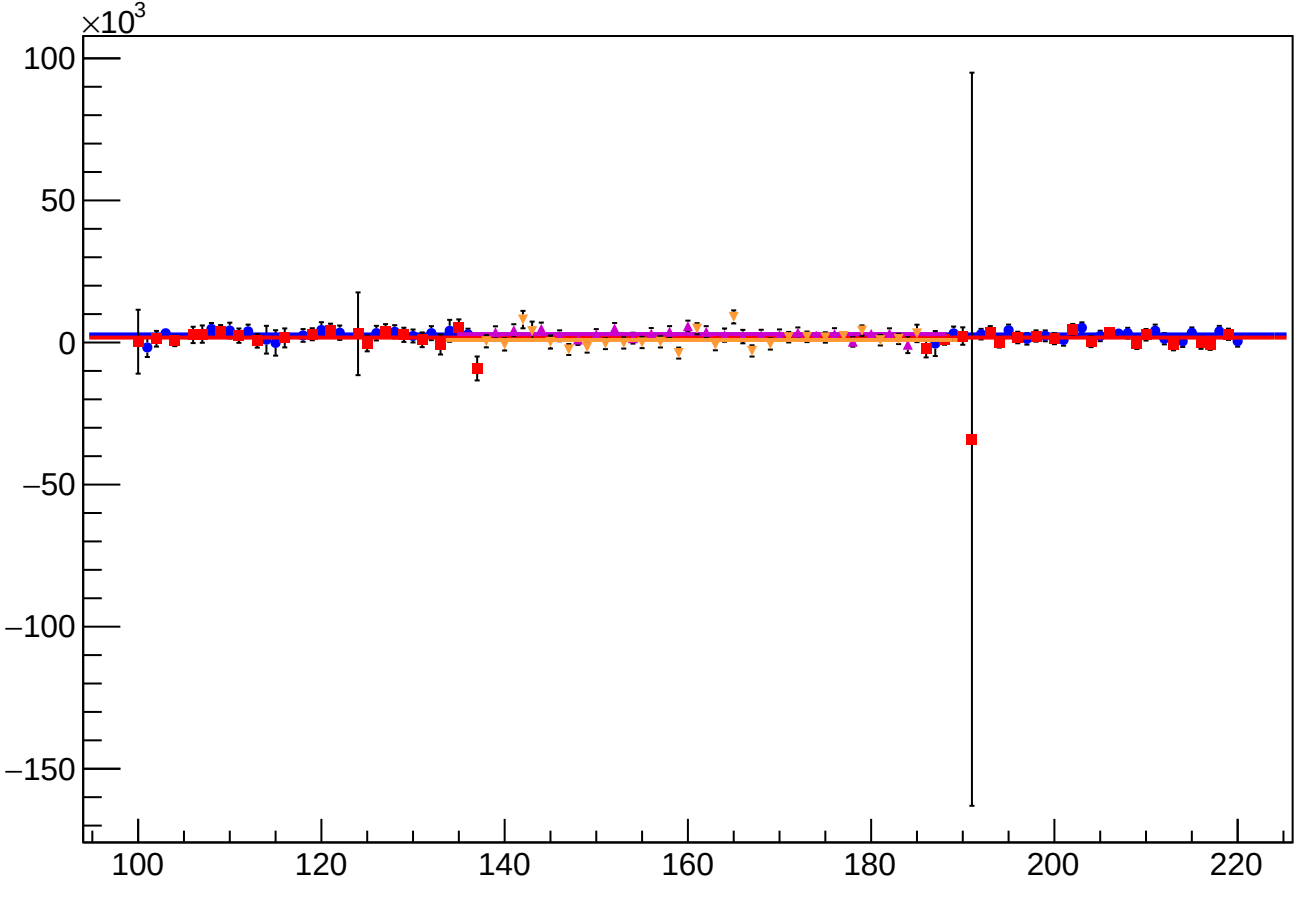
Right: -437.923+/-1409.753 χ^2/NDF: 85.7/69

In: 226.844+/-1476.012 χ^2/NDF:53.0/55

Out: -899.032+/-1371.662 χ^2/NDF:75.6/61

All: -377.295+/-1004.779 χ^2/NDF: 129.0/117


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 9017.634+/-1.439 χ²/NDF: 2634027.9/32
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 8575.047+/-1.382 χ²/NDF: 3957206.5/36
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8787.345+/-0.997 χ²/NDF: 6640434.2/69
In: 9007.194+/-1.044 χ²/NDF:3841277.9/55
Out: 8305.490+/-0.970 χ²/NDF:7395104.6/61
All: 8630.663+/-0.710 χ²/NDF: 11478934.5/1



Right In: 2841.374+/-383.590 χ^2/NDF: 13.2/32

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1732.907+/-384.645 χ^2/NDF: 27.7/36

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

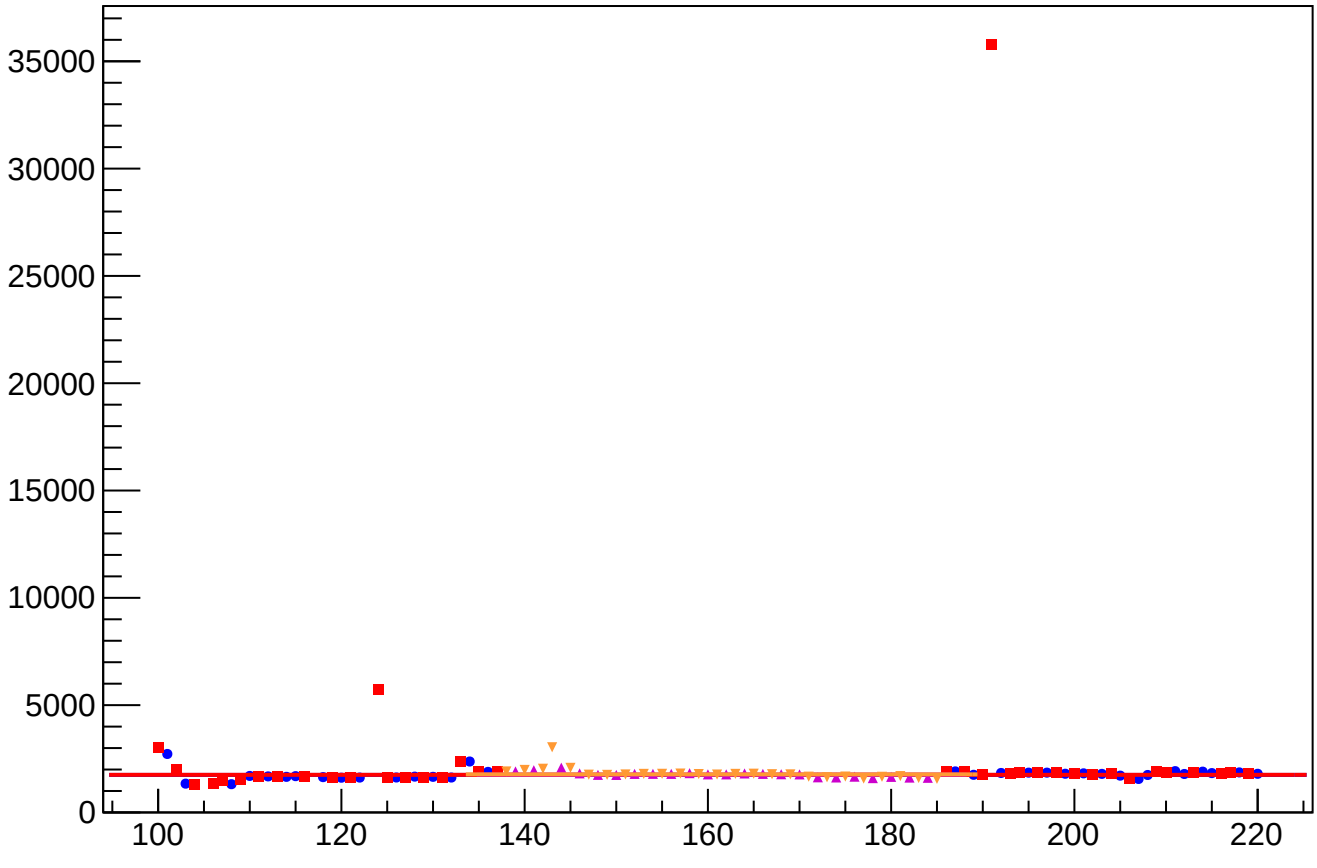
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2288.662+/-271.611 χ^2/NDF: 45.0/69

In: 2888.634+/-280.768 χ^2/NDF:23.8/55

Out: 1337.915+/-279.080 χ^2/NDF:75.2/61

All: 2108.599+/-197.933 χ^2/NDF: 114.3/117



Right In: 1747.874+/-0.271 χ^2/NDF: 542013.2/32

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

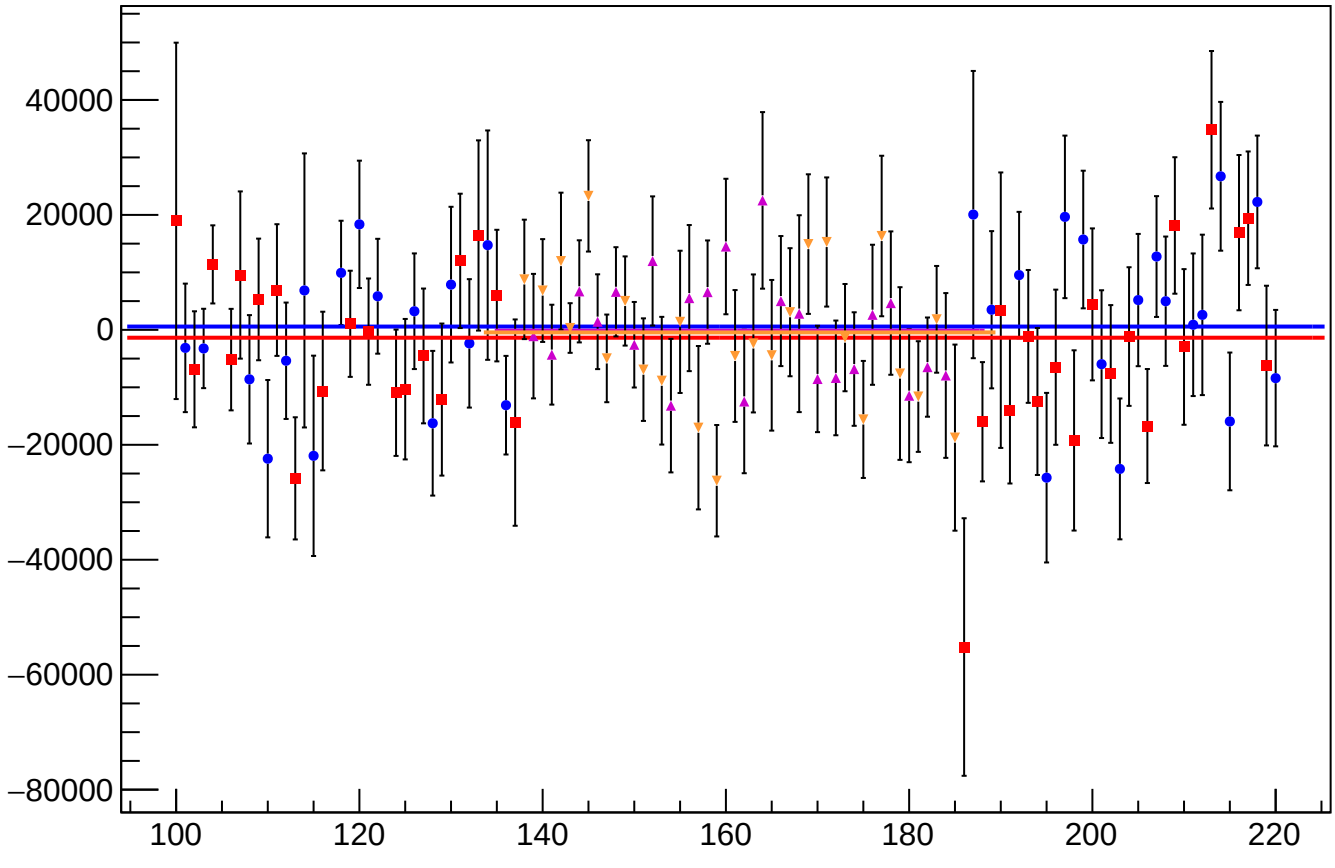
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1750.555+/-0.192 χ^2/NDF: 1279890.5/69

In: 1754.009+/-0.199 χ^2/NDF:689381.7/55

Out: 1763.423+/-0.197 χ^2/NDF:1187531.0/61

All: 1758.744+/-0.140 χ^2/NDF: 1878043.7/11



Right In: 571.395+/-2035.490 χ^2/NDF: 39.2/32

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -1368.392+/-1954.366 χ^2/NDF: 46.0/36

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

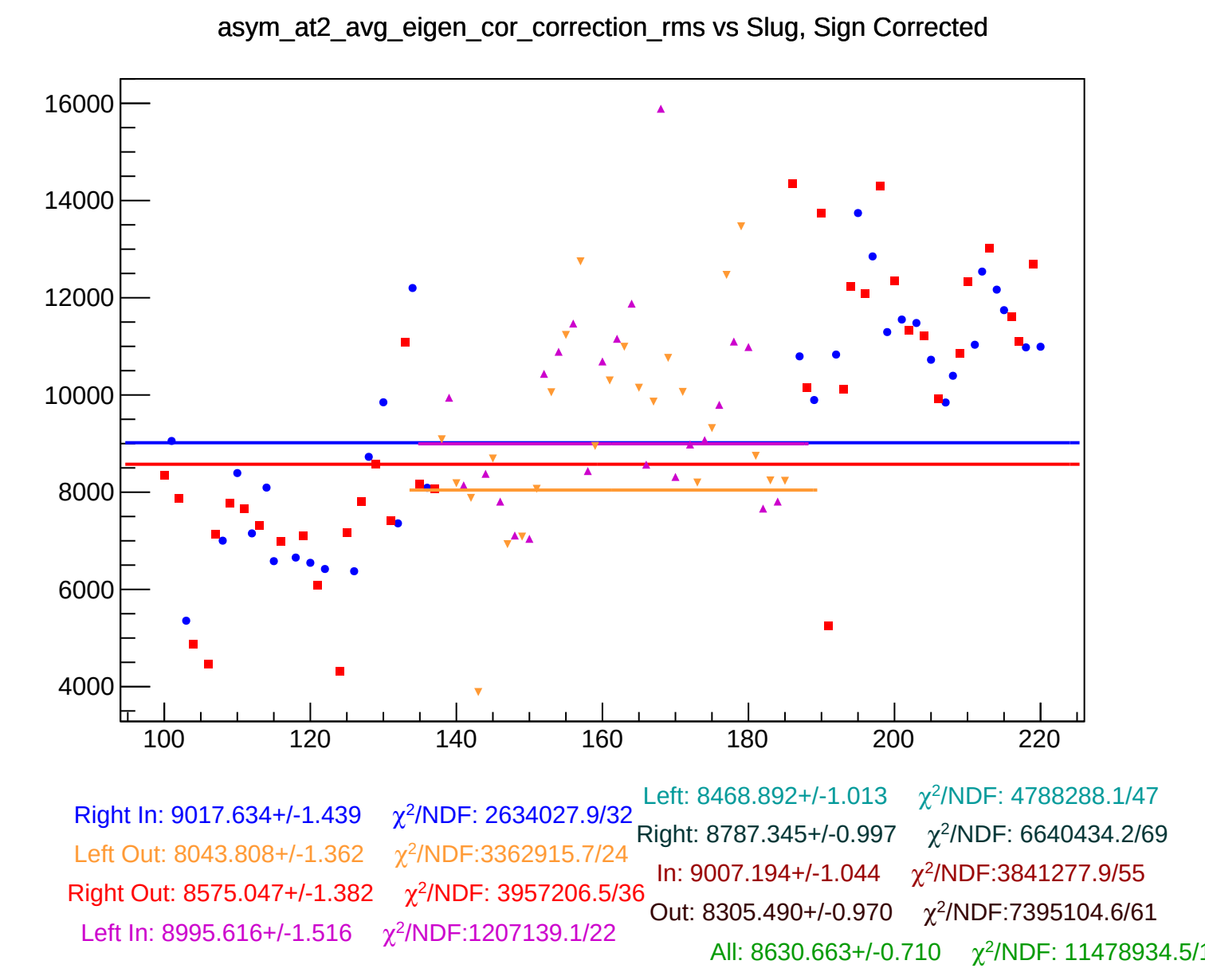
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

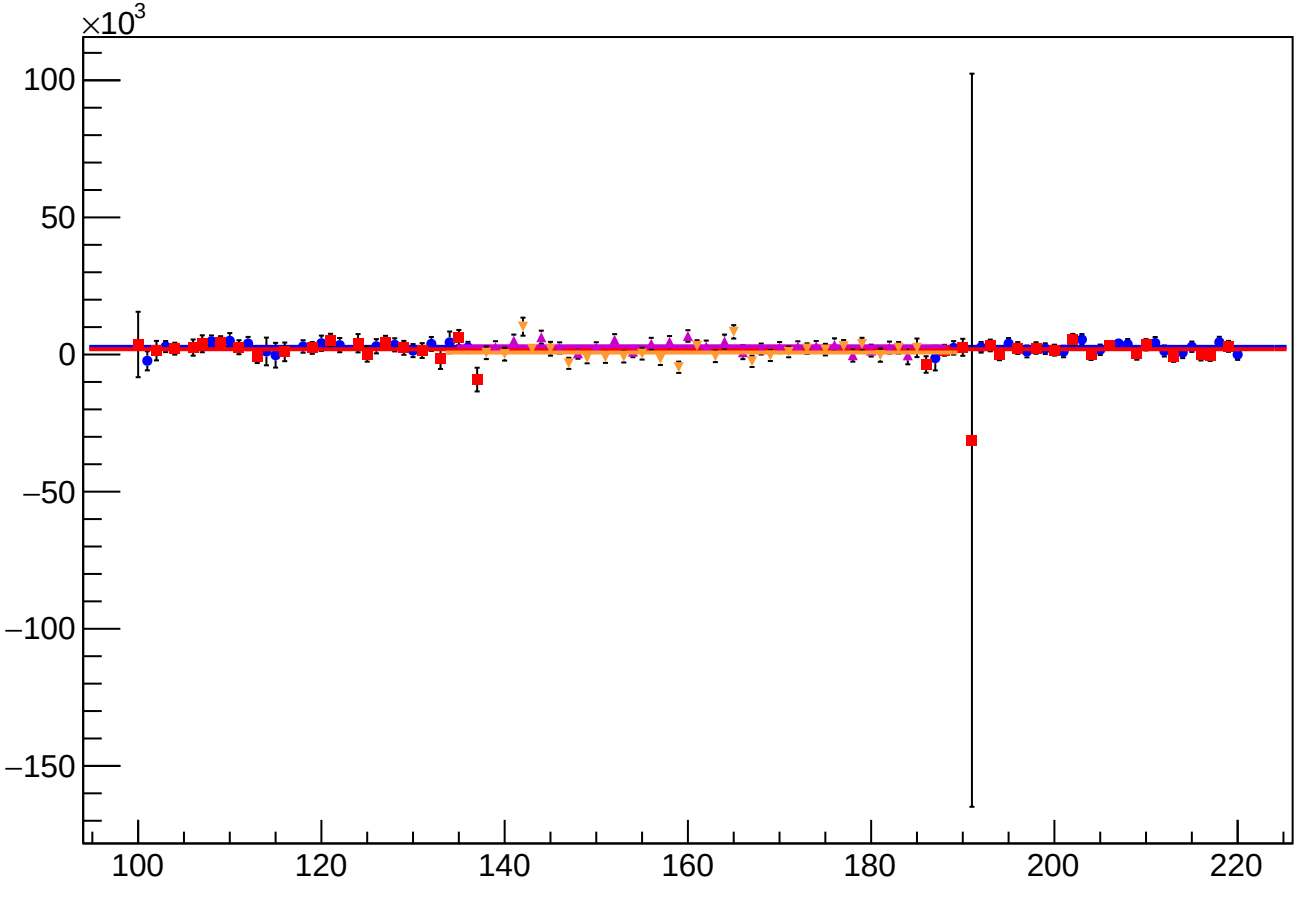
Right: -437.923+/-1409.753 χ^2/NDF: 85.7/69

In: 226.844+/-1476.012 χ^2/NDF:53.0/55

Out: -899.032+/-1371.662 χ^2/NDF:75.6/61

All: -377.295+/-1004.779 χ^2/NDF: 129.0/117


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 9017.634+/-1.439 χ²/NDF: 2634027.9/32
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 8575.047+/-1.382 χ²/NDF: 3957206.5/36
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8787.345+/-0.997 χ²/NDF: 6640434.2/69
In: 9007.194+/-1.044 χ²/NDF:3841277.9/55
Out: 8305.490+/-0.970 χ²/NDF:7395104.6/61
All: 8630.663+/-0.710 χ²/NDF: 11478934.5/1



Right In: 2800.917+/-394.893 χ^2/NDF: 15.7/32

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 1940.557+/-394.824 χ^2/NDF: 32.2/36

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

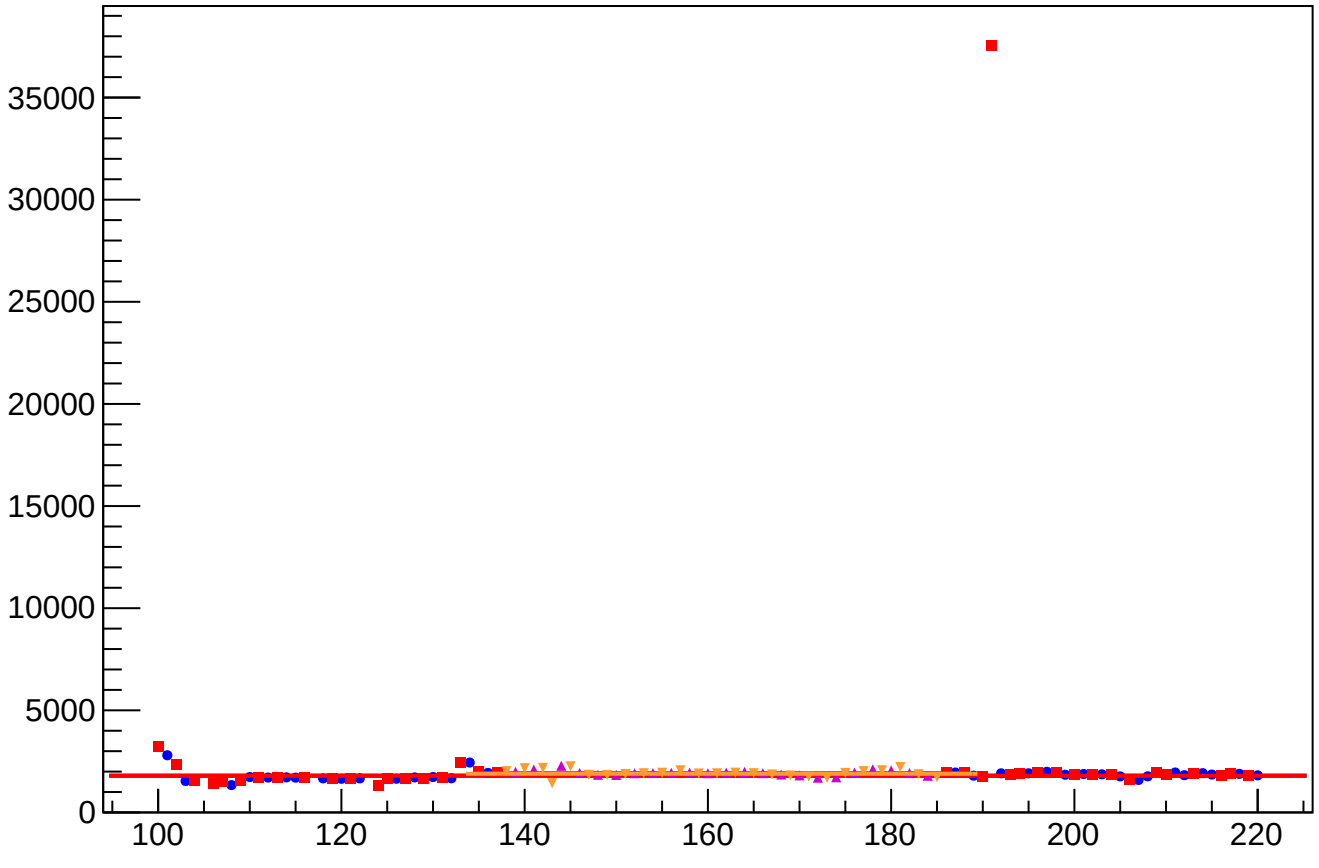
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2370.662+/-279.207 χ^2/NDF: 50.2/69

In: 2878.425+/-296.909 χ^2/NDF:31.4/55

Out: 1394.917+/-291.710 χ^2/NDF:78.0/61

All: 2123.569+/-208.084 χ^2/NDF: 122.1/117



Right In: 1799.979+/-0.279 χ^2/NDF: 484060.7/32

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1798.428+/-0.279 χ^2/NDF: 591603.0/36

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

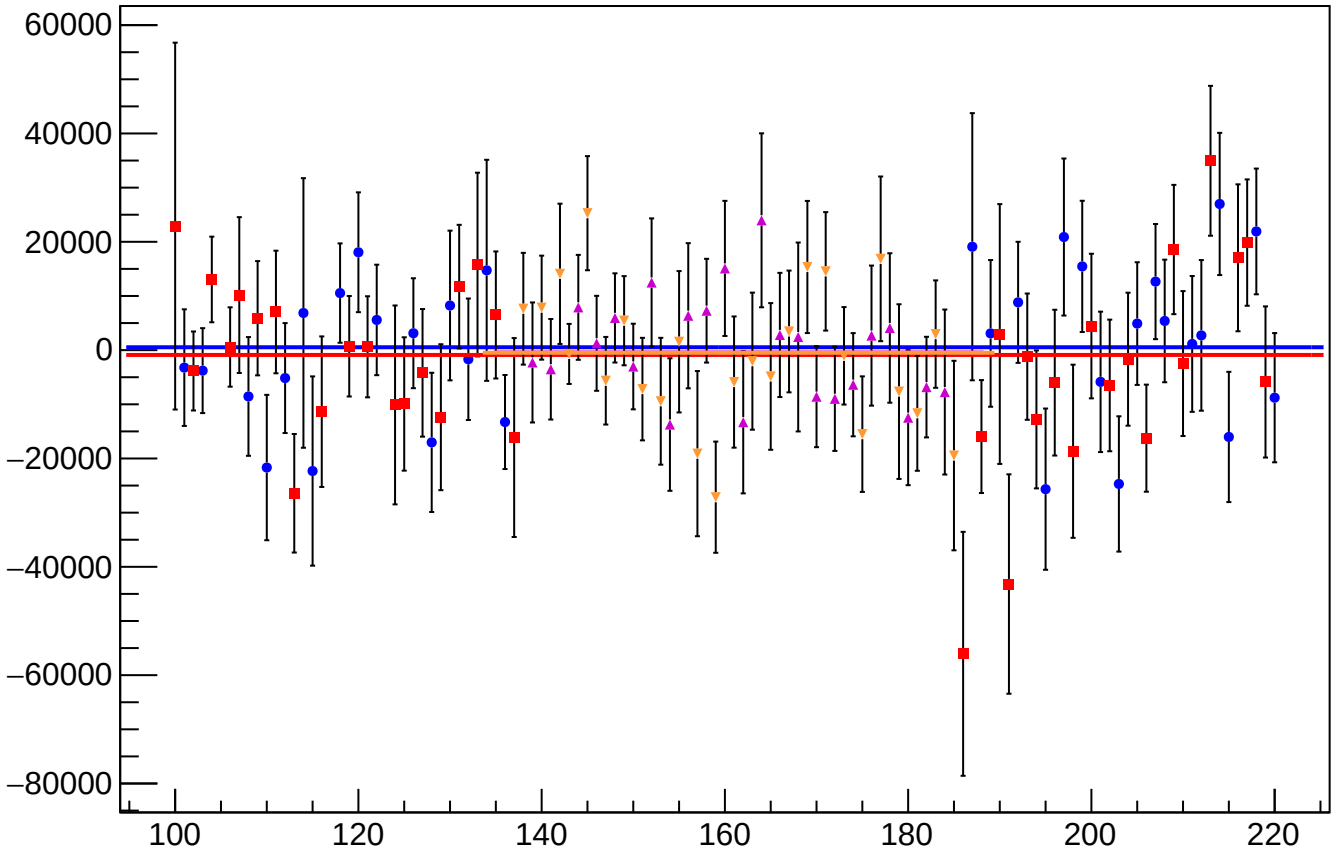
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1799.203+/-0.197 χ^2/NDF: 1075679.1/69

In: 1853.471+/-0.210 χ^2/NDF:719464.7/55

Out: 1842.133+/-0.206 χ^2/NDF:1014179.4/61

All: 1847.702+/-0.147 χ^2/NDF: 1735128.2/11



Right In: 532.945+/-2065.337 χ^2/NDF: 38.9/32

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -884.684+/-1962.576 χ^2/NDF: 48.2/36

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

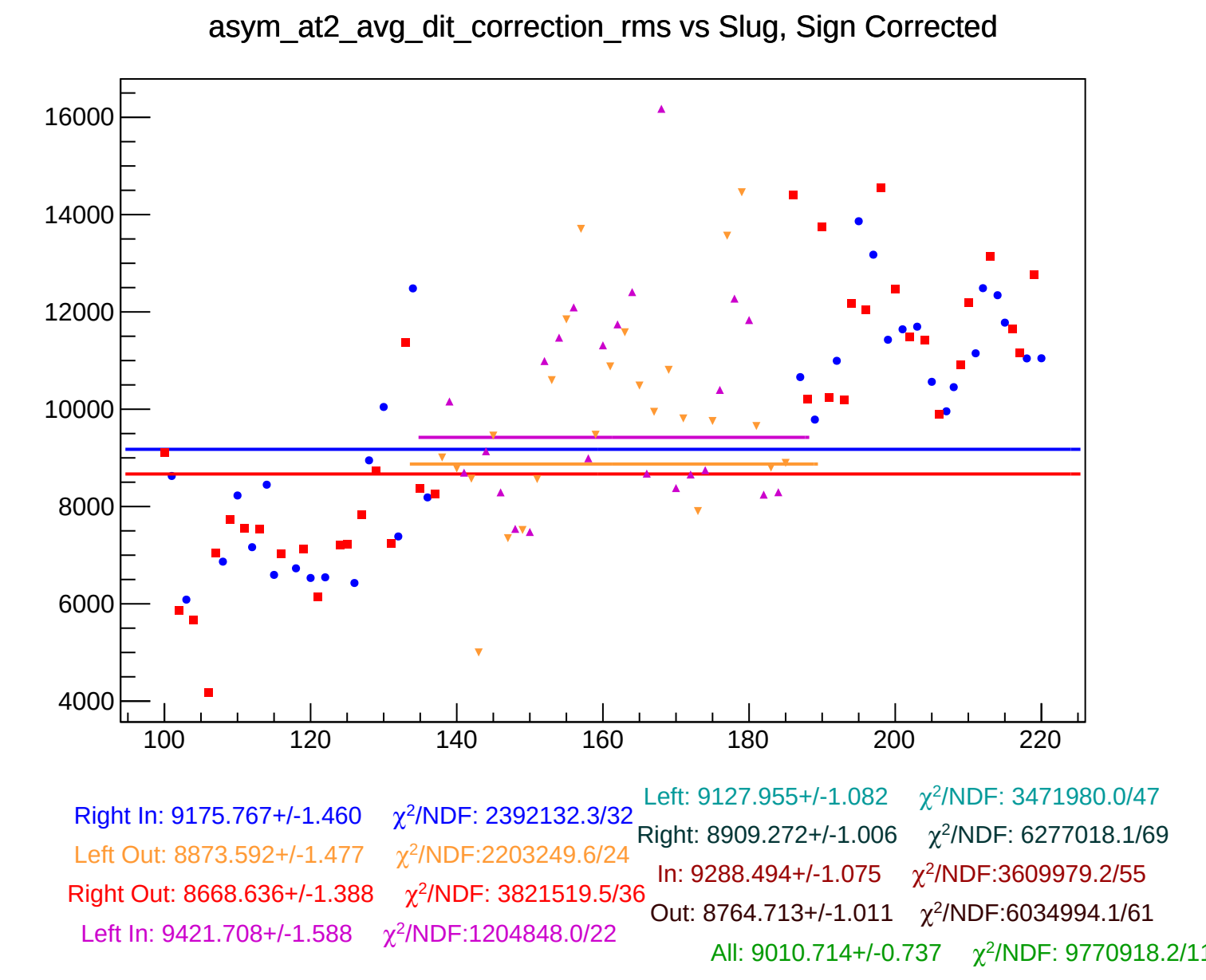
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

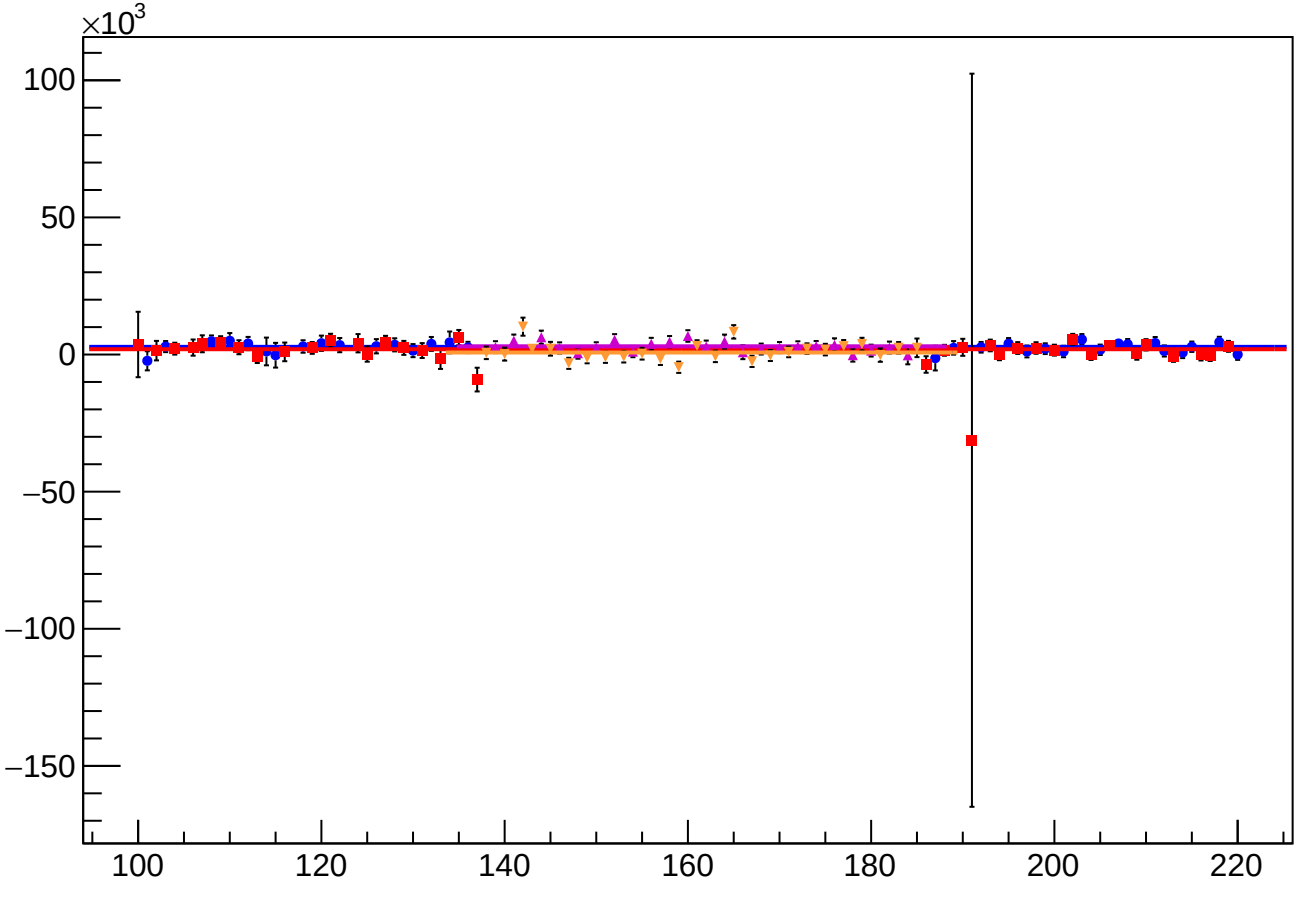
Right: -212.012+/-1422.693 χ^2/NDF: 87.3/69

In: 88.500+/-1520.022 χ^2/NDF:52.5/55

Out: -694.669+/-1430.433 χ^2/NDF:77.0/61

All: -326.843+/-1041.702 χ^2/NDF: 129.7/117


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 9175.767+/-1.460 χ²/NDF: 2392132.3/32
Left Out: 8873.592+/-1.477 χ²/NDF:2203249.6/24
Right Out: 8668.636+/-1.388 χ²/NDF: 3821519.5/36
Left In: 9421.708+/-1.588 χ²/NDF:1204848.0/22
Left: 9127.955+/-1.082 χ²/NDF: 3471980.0/47
Right: 8909.272+/-1.006 χ²/NDF: 6277018.1/69
In: 9288.494+/-1.075 χ²/NDF:3609979.2/55
Out: 8764.713+/-1.011 χ²/NDF:6034994.1/61
All: 9010.714+/-0.737 χ²/NDF: 9770918.2/11



Right In: 2800.911+/-394.893 χ^2/NDF: 15.7/32

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 1940.556+/-394.824 χ^2/NDF: 32.2/36

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

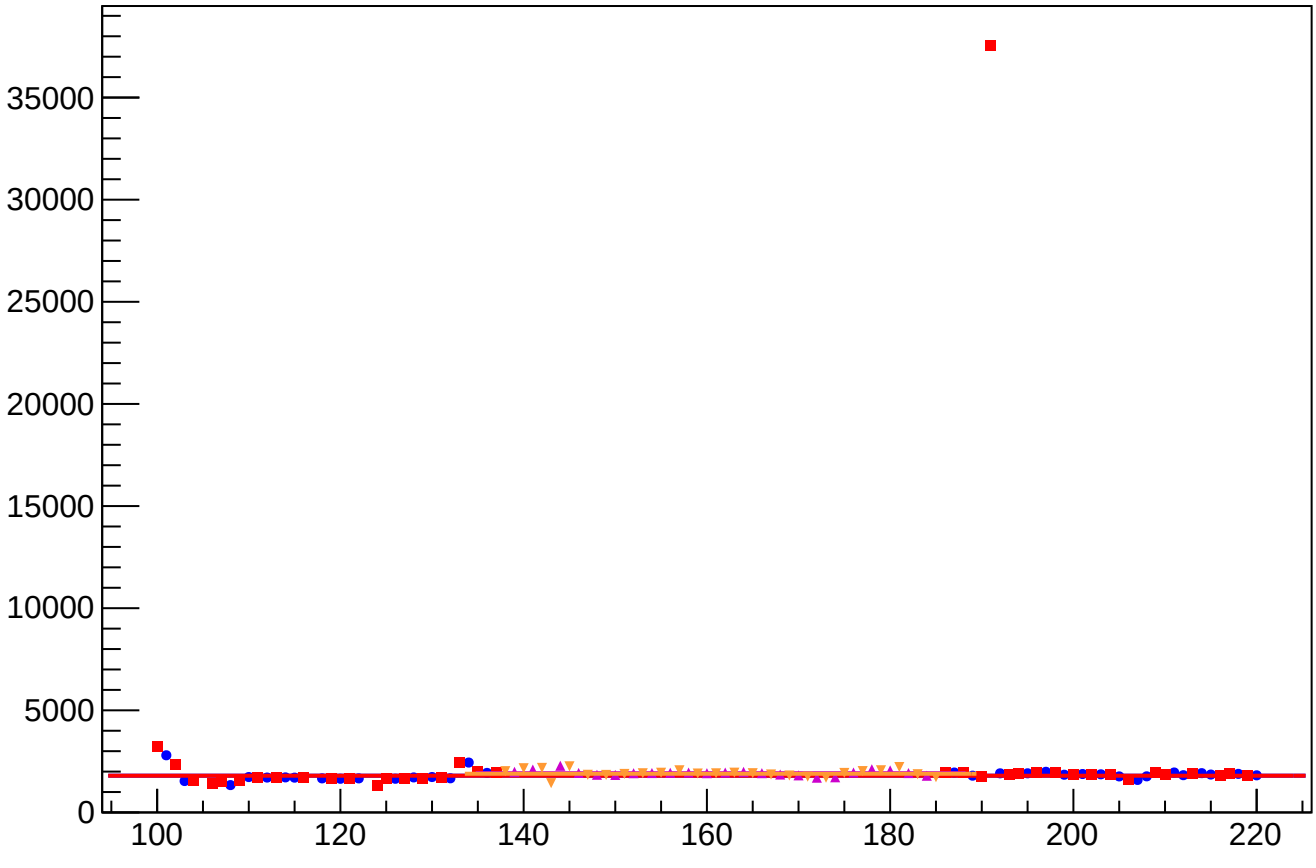
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2370.659+/-279.207 χ^2/NDF: 50.2/69

In: 2878.422+/-296.909 χ^2/NDF:31.4/55

Out: 1394.913+/-291.711 χ^2/NDF:78.0/61

All: 2123.566+/-208.084 χ^2/NDF: 122.1/117



Right In: 1799.979+/-0.279 χ^2/NDF: 484061.4/32

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1798.428+/-0.279 χ^2/NDF: 591604.4/36

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

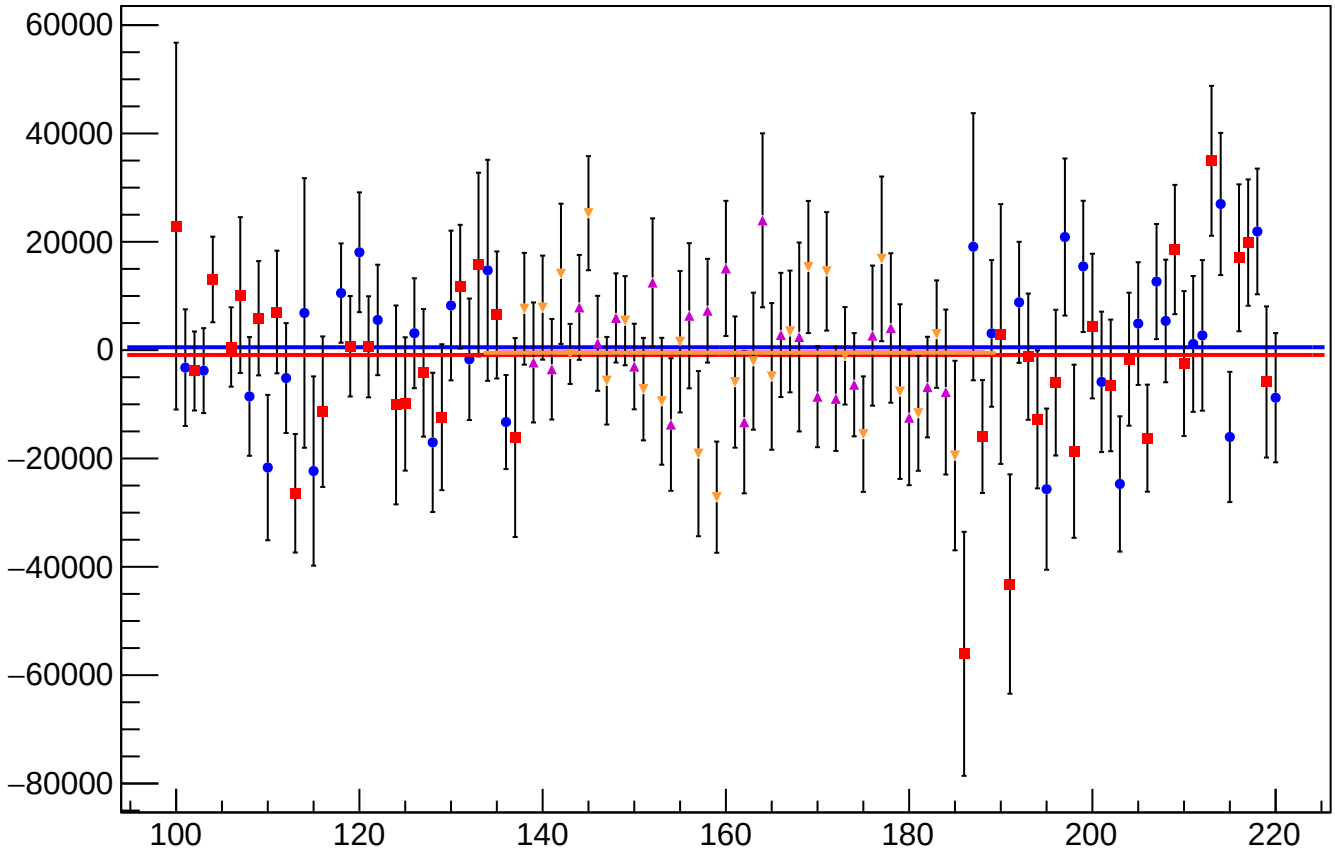
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1799.203+/-0.197 χ^2/NDF: 1075681.2/69

In: 1853.472+/-0.210 χ^2/NDF:719477.2/55

Out: 1842.135+/-0.206 χ^2/NDF:1014191.9/61

All: 1847.703+/-0.147 χ^2/NDF: 1735153.2/11



Right In: 532.949+/-2065.336 χ^2/NDF: 38.9/32

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -884.674+/-1962.575 χ^2/NDF: 48.2/36

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

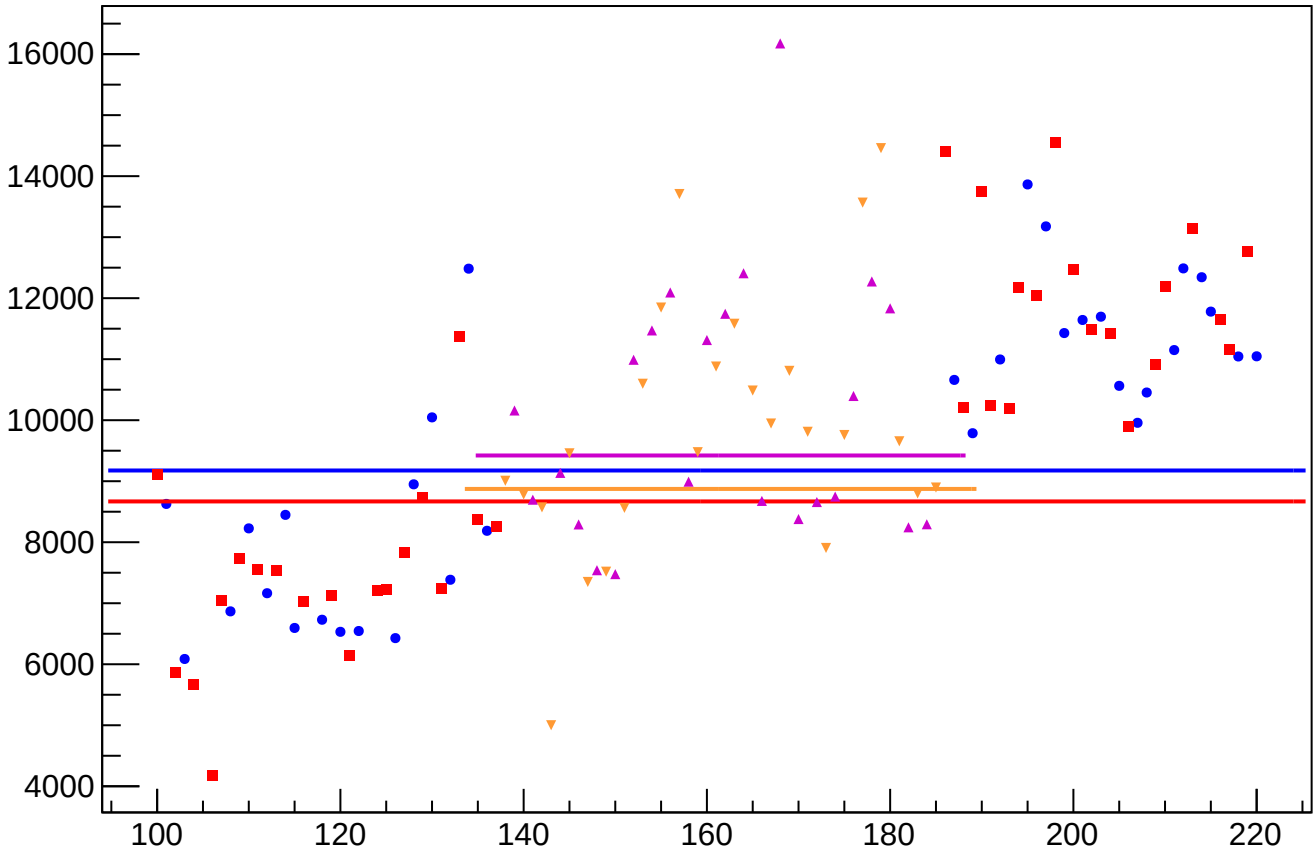
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -212.006+/-1422.692 χ^2/NDF: 87.3/69

In: 88.502+/-1520.023 χ^2/NDF:52.5/55

Out: -694.668+/-1430.434 χ^2/NDF:77.0/61

All: -326.842+/-1041.702 χ^2/NDF: 129.7/117



Right In: 9175.759+/-1.460 χ^2/NDF: 2392168.2/32

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8668.625+/-1.388 χ^2/NDF: 3821552.6/36

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

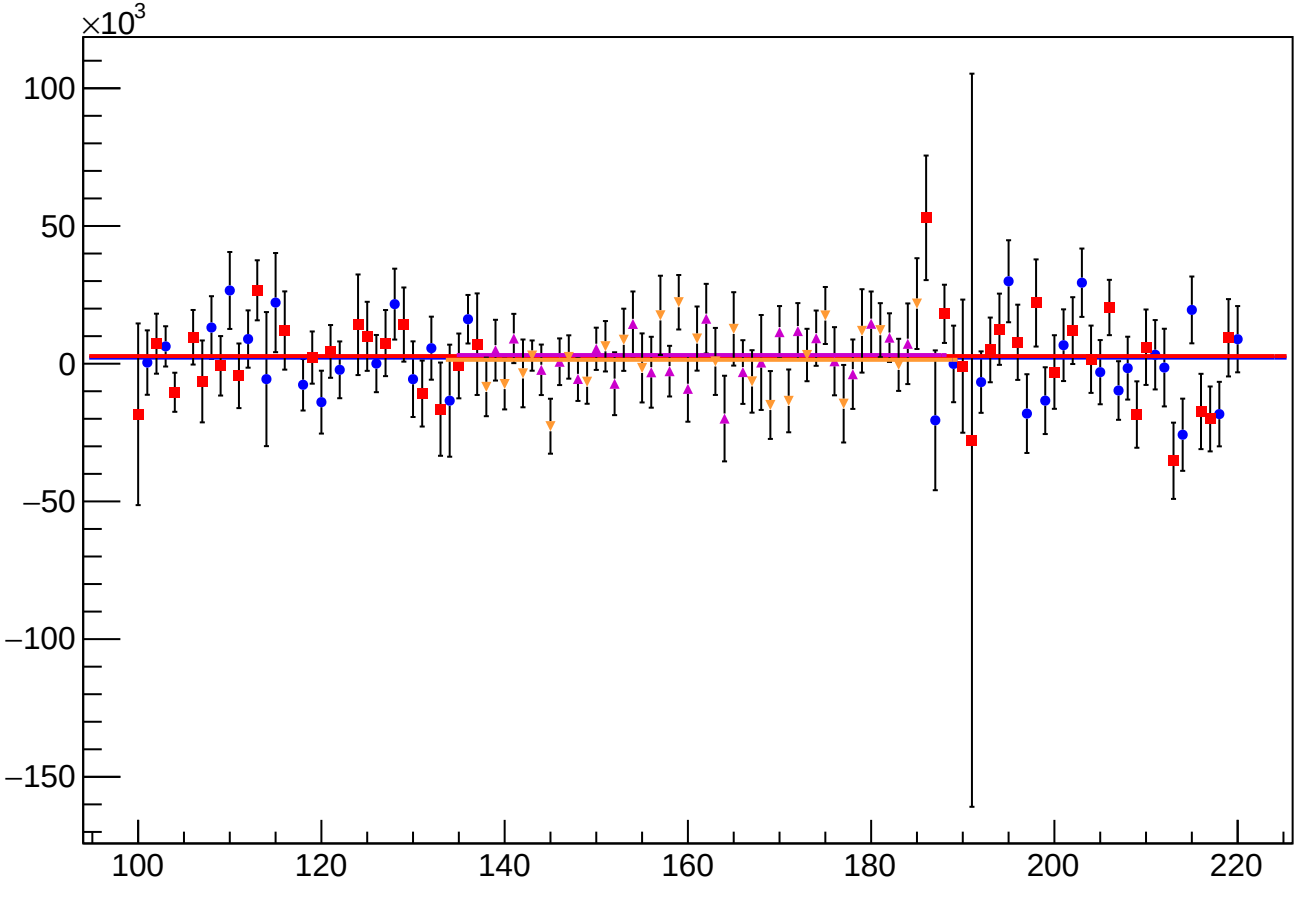
Right: 8909.262+/-1.006 χ^2/NDF: 6277087.6/69

In: 9288.496+/-1.075 χ^2/NDF:3610021.4/55

Out: 8764.715+/-1.011 χ^2/NDF:6035031.2/61

All: 9010.715+/-0.737 χ^2/NDF: 9770997.6/11

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2202.854+/-2083.579 χ^2/NDF: 40.4/32

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 2769.411+/-2054.294 χ^2/NDF: 45.0/36

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

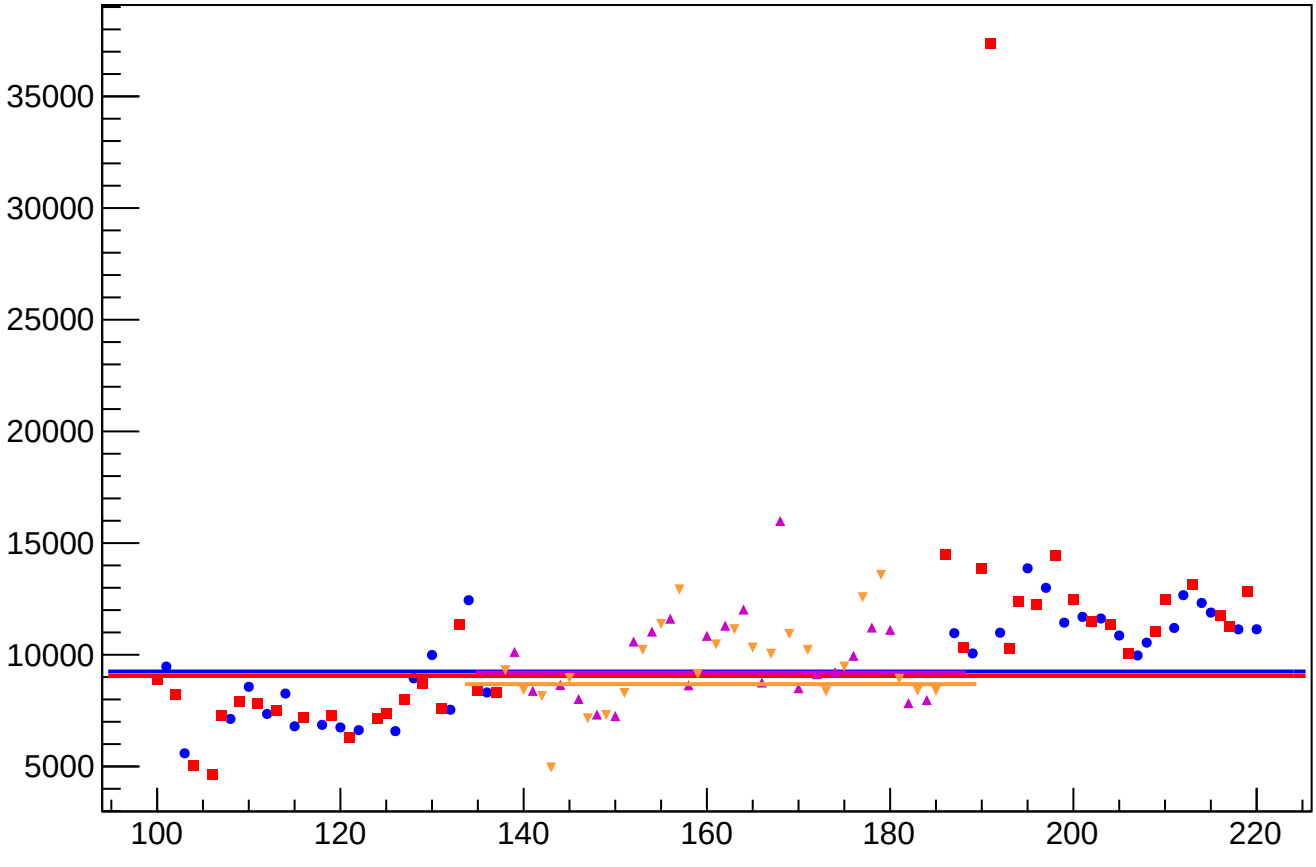
Right: 2490.142+/-1462.849 χ^2/NDF: 85.4/69

In: 2647.869+/-1509.358 χ^2/NDF:53.4/55

Out: 2084.081+/-1447.492 χ^2/NDF:72.6/61

All: 2354.184+/-1044.718 χ^2/NDF: 126.1/117

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 9250.427+/-1.473 χ^2/NDF: 2444123.0/32

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 9048.823+/-1.453 χ^2/NDF: 3336867.7/36

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

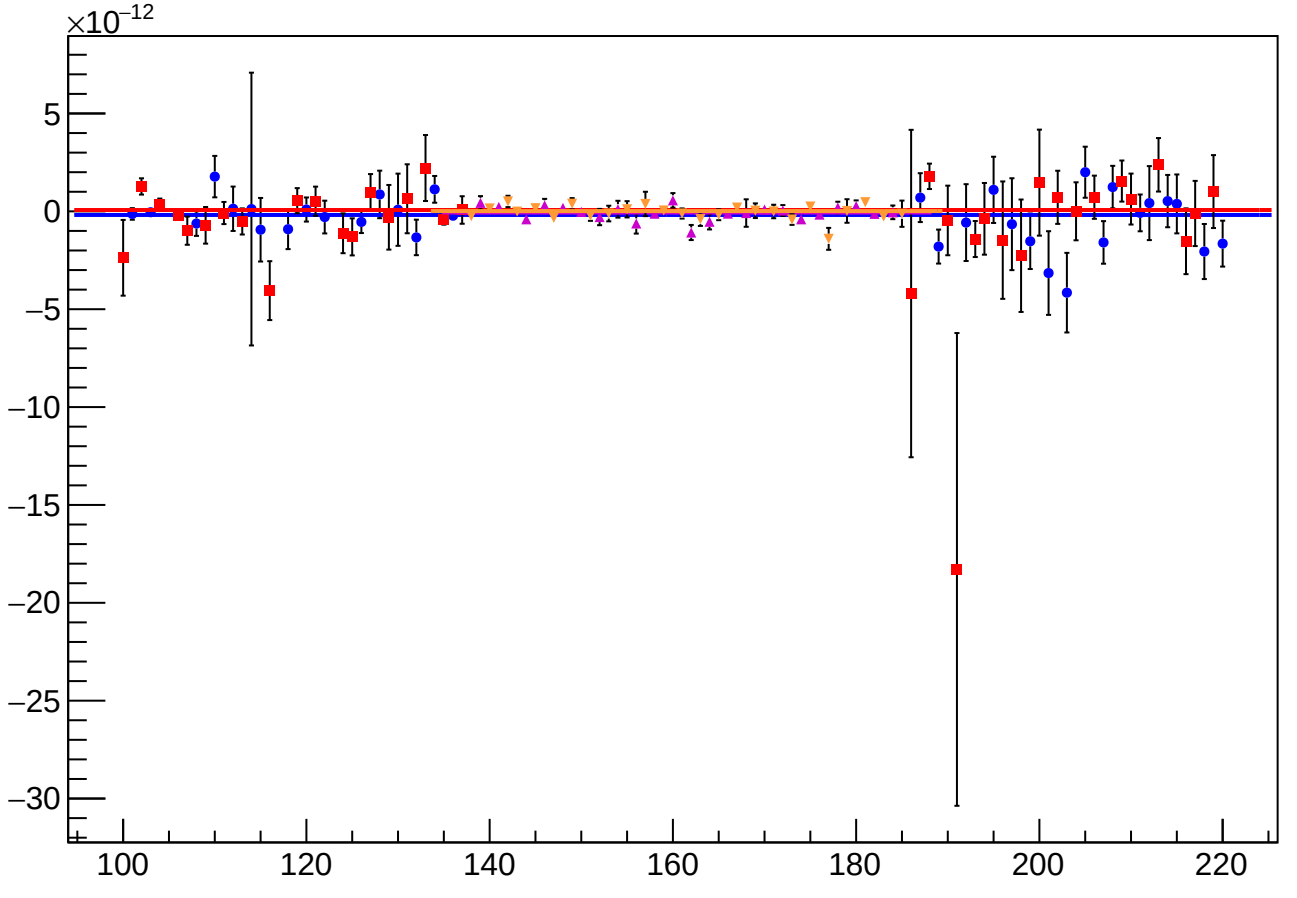
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 9148.194+/-1.034 χ^2/NDF: 5790485.8/69

In: 9226.841+/-1.067 χ^2/NDF:3574083.5/55

Out: 8865.415+/-1.024 χ^2/NDF:5420156.0/61

All: 9038.565+/-0.739 χ^2/NDF: 9053979.0/11



Right In: -0.000+/-0.000 χ^2/NDF: 33.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.4/36

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

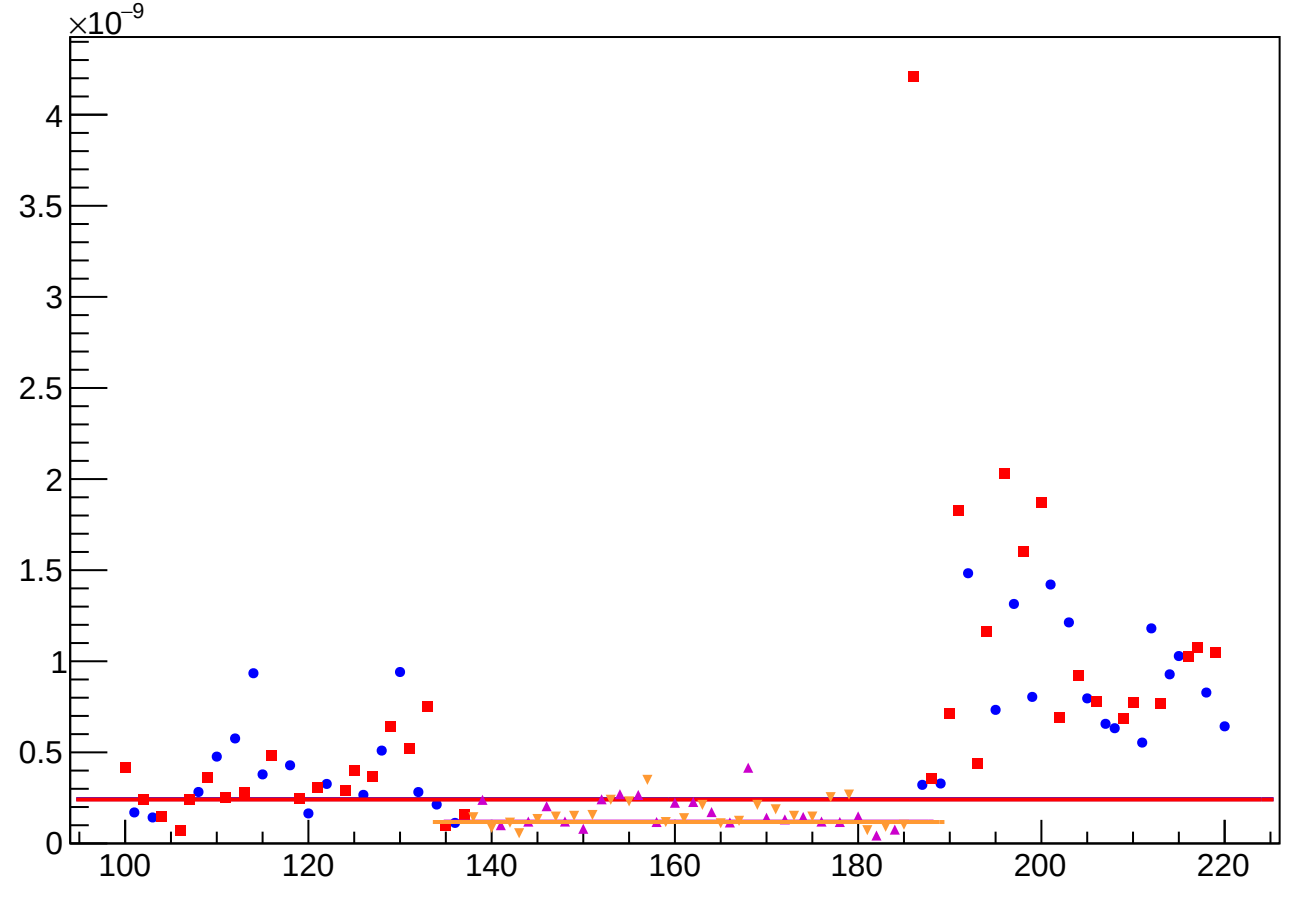
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 89.0/69

In: -0.000+/-0.000 χ^2/NDF:61.8/55

Out: 0.000+/-0.000 χ^2/NDF:82.5/61

All: -0.000+/-0.000 χ^2/NDF: 146.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 8179496.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8835773.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

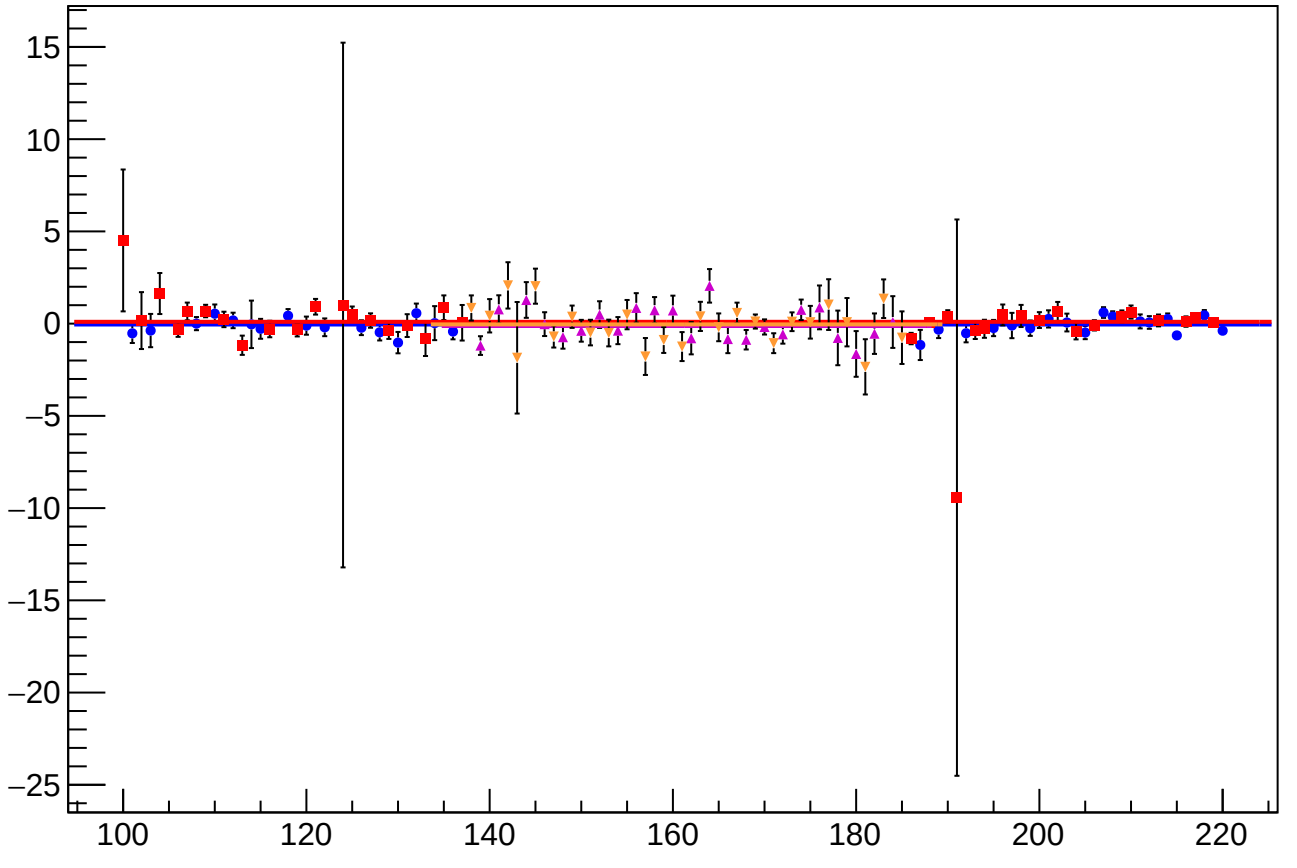
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17015588.6/69

In: 0.000+/-0.000 χ^2/NDF:12823351.6/55

Out: 0.000+/-0.000 χ^2/NDF:13117699.4/61

All: 0.000+/-0.000 χ^2/NDF: 25952974.4/117



Right In: -0.047+/-0.071 χ^2/NDF: 34.6/32

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

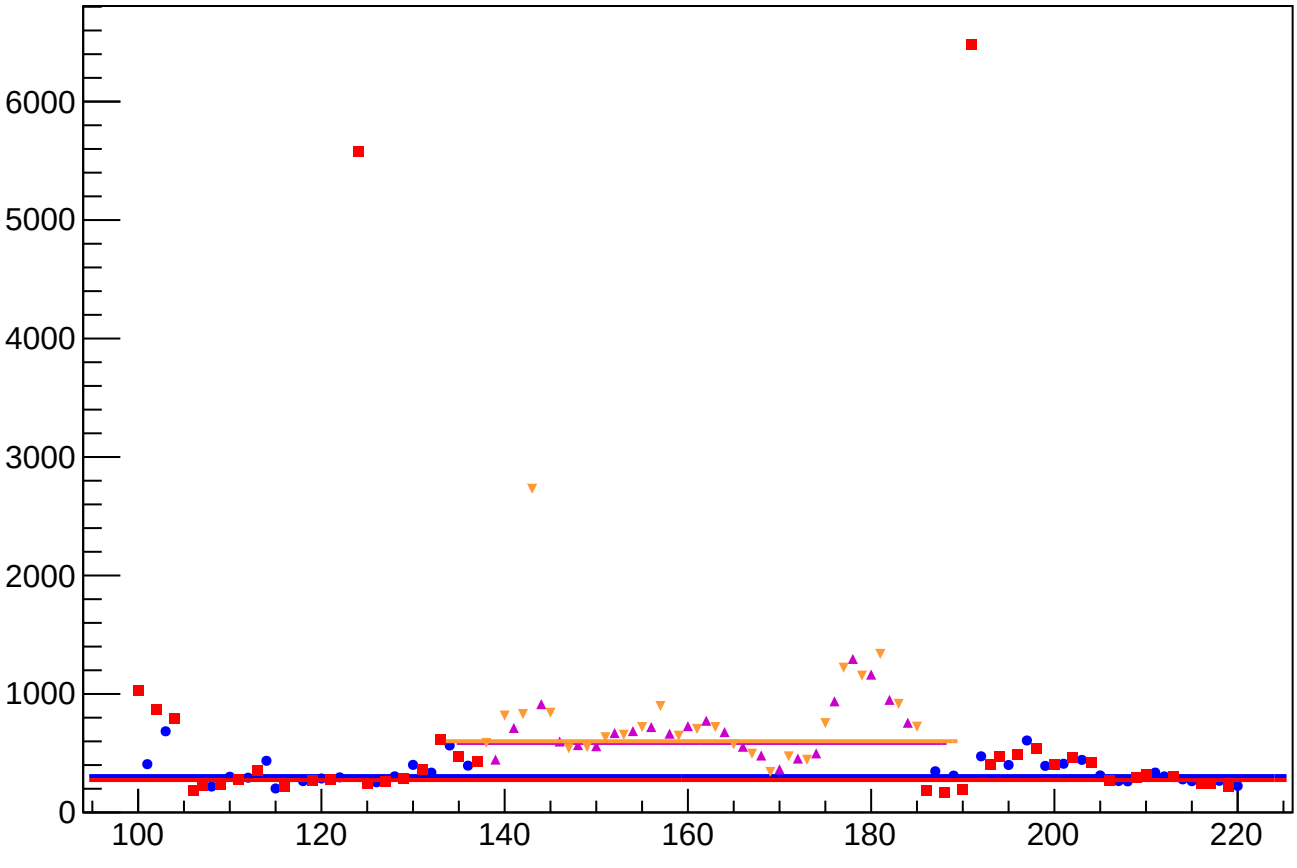
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.032+/-0.048 χ^2/NDF: 81.2/69

In: -0.062+/-0.063 χ^2/NDF:63.9/55

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.011+/-0.043 χ^2/NDF: 141.6/117



Right In: 306.944+/-0.050 χ^2/NDF: 2510946.5/32

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

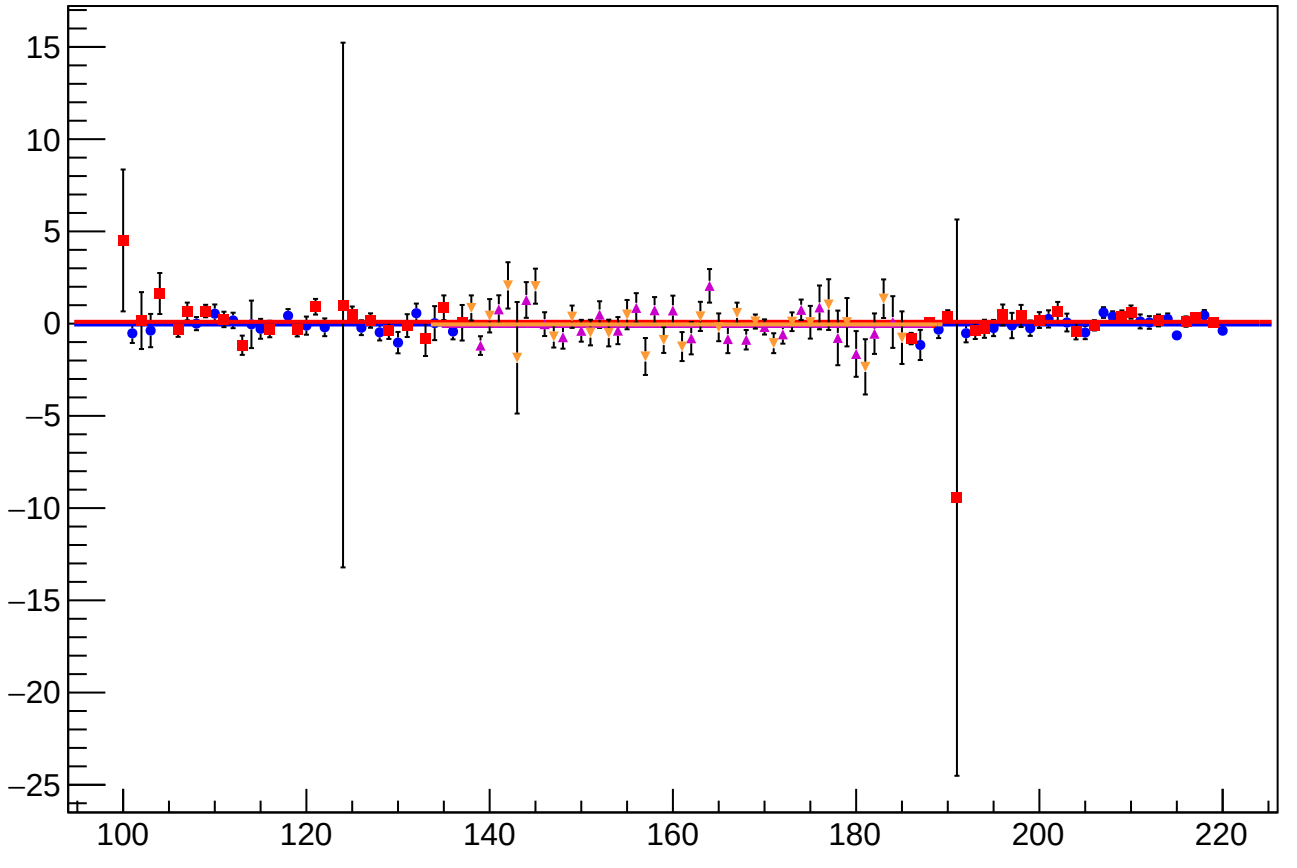
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 288.818+/-0.034 χ^2/NDF: 7951175.0/69

In: 360.419+/-0.045 χ^2/NDF:11456340.5/55

Out: 326.906+/-0.042 χ^2/NDF:17921781.6/61

All: 342.615+/-0.031 χ^2/NDF: 29674357.4/11



Right In: -0.047+/-0.071 χ^2/NDF: 34.6/32

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

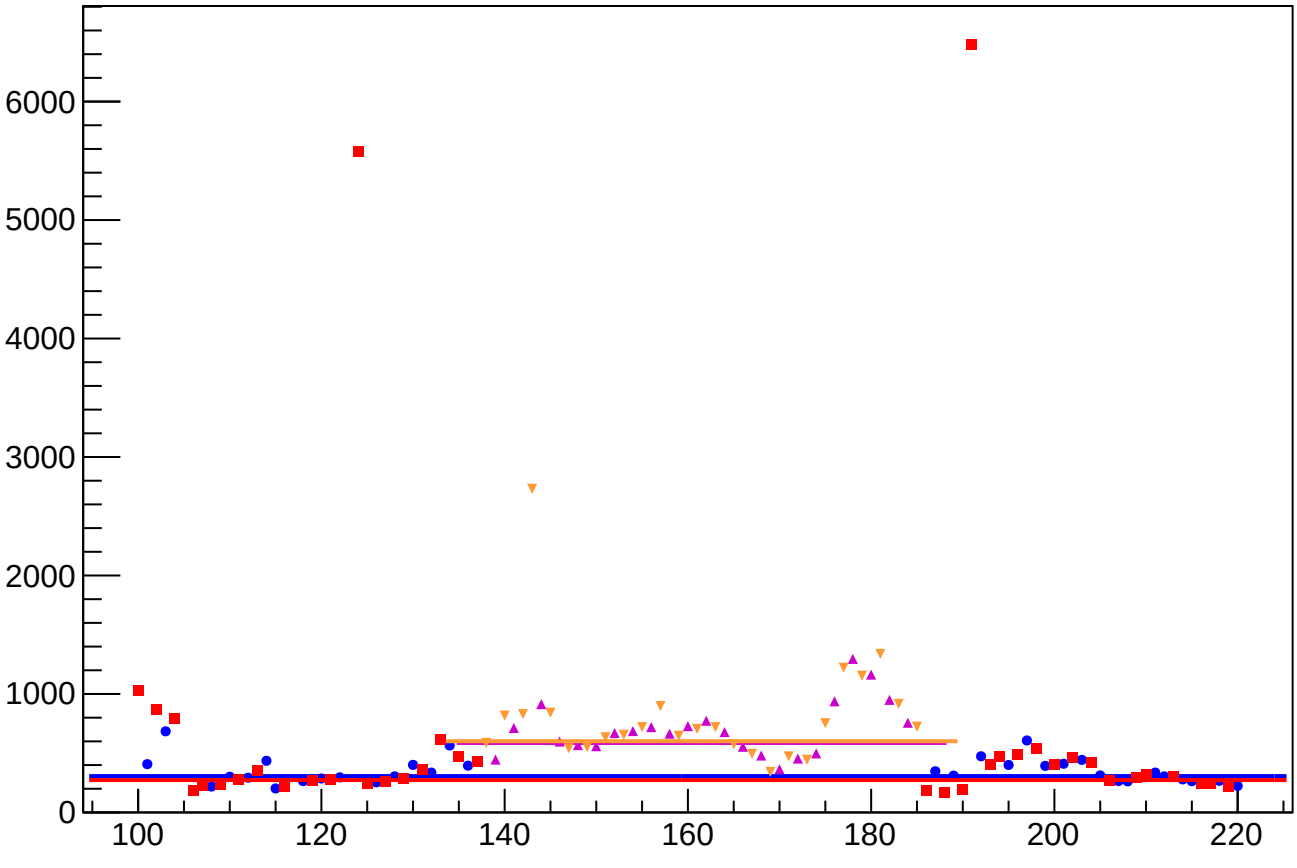
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.032+/-0.048 χ^2/NDF: 81.2/69

In: -0.062+/-0.063 χ^2/NDF:63.9/55

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.011+/-0.043 χ^2/NDF: 141.6/117



Right In: 306.944+/-0.050 χ^2/NDF: 2510946.5/32

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

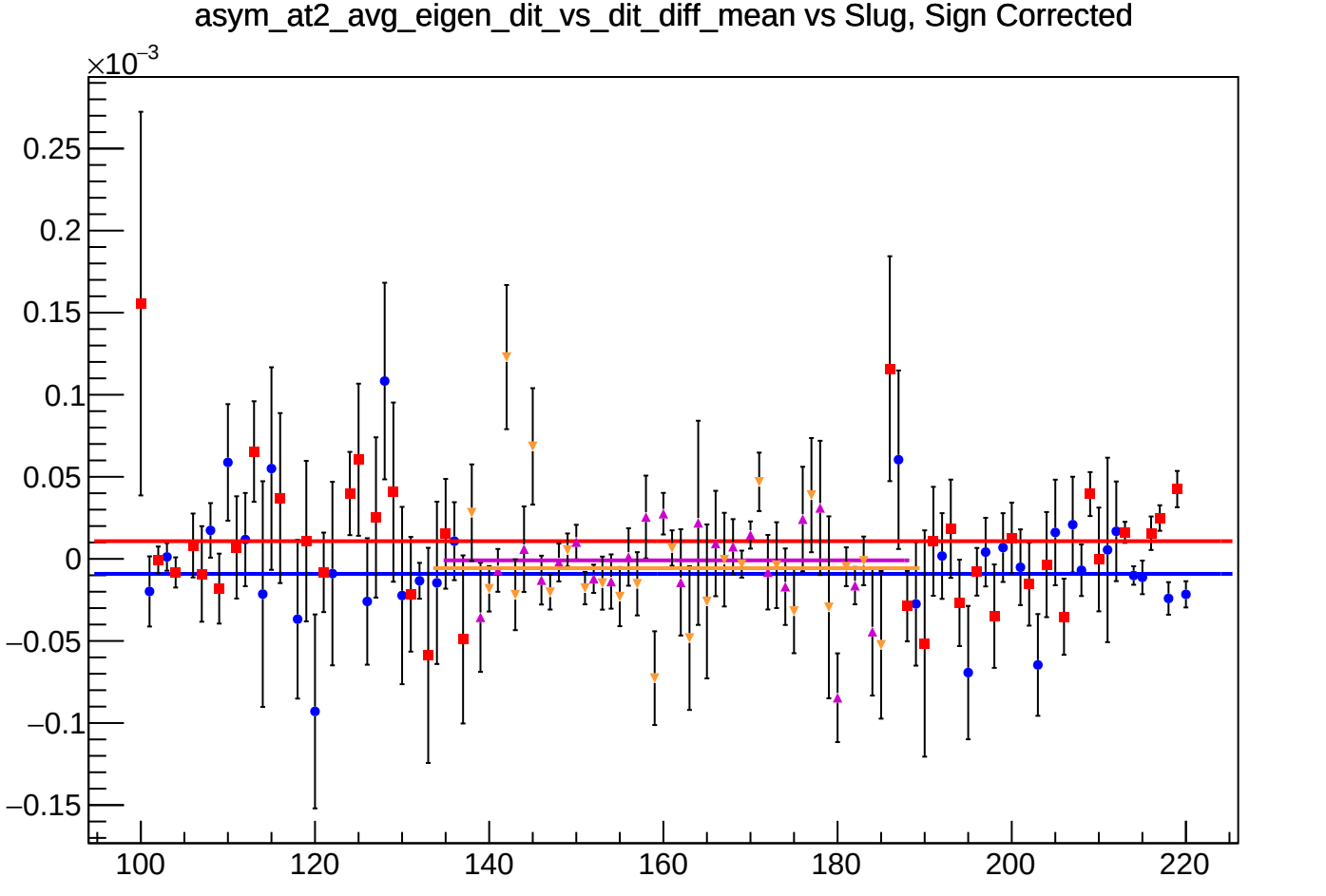
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 288.818+/-0.034 χ^2/NDF: 7951175.0/69

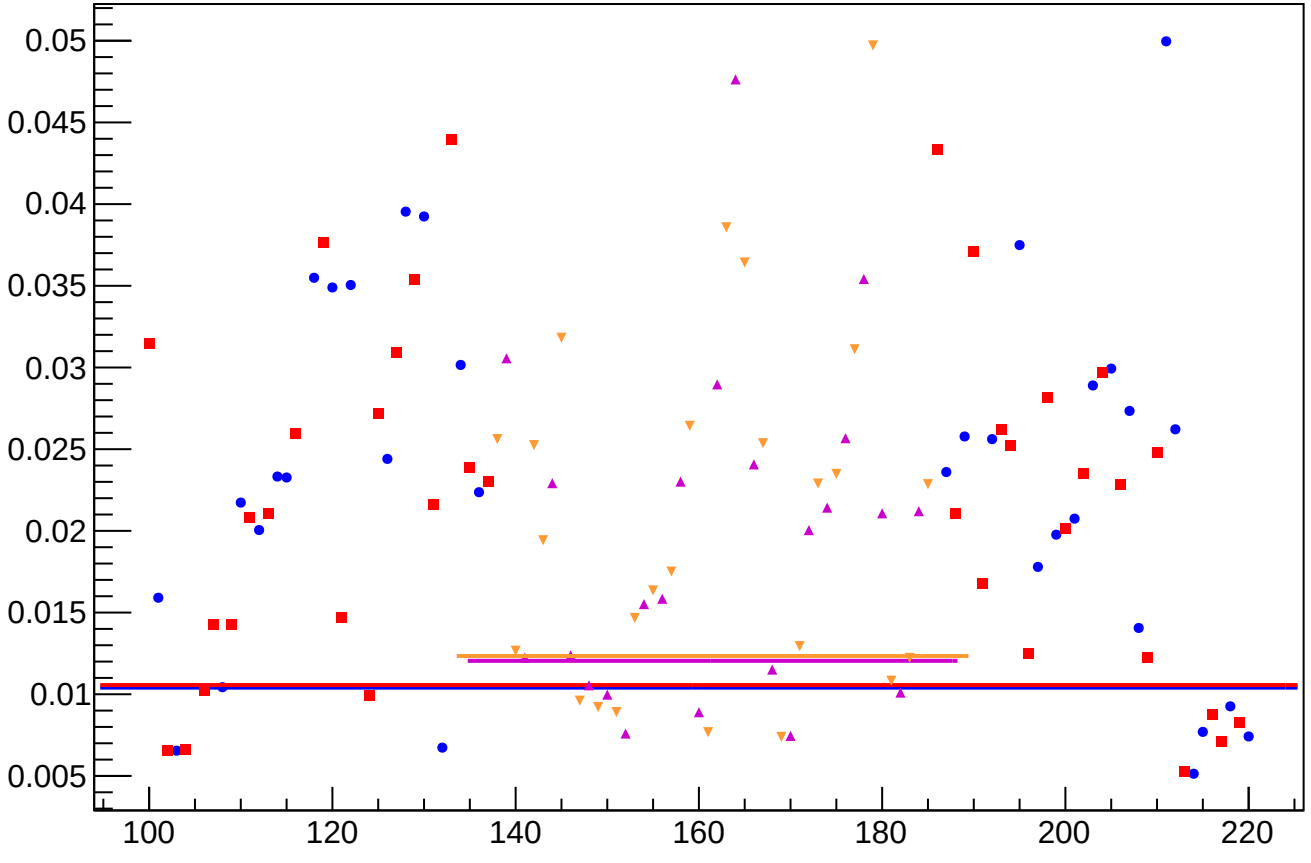
In: 360.419+/-0.045 χ^2/NDF:11456340.5/55

Out: 326.906+/-0.042 χ^2/NDF:17921781.6/61

All: 342.615+/-0.031 χ^2/NDF: 29674357.4/11


asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 32.7/32
Left Out: -0.000+/-0.000 χ²/NDF:42.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 55.2/36
Left In: -0.000+/-0.000 χ²/NDF:30.2/22
Left: -0.000+/-0.000 χ²/NDF: 73.9/47
Right: 0.000+/-0.000 χ²/NDF: 112.3/69
In: -0.000+/-0.000 χ²/NDF:66.4/55
Out: 0.000+/-0.000 χ²/NDF:112.4/61
All: -0.000+/-0.000 χ²/NDF: 188.2/117

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 13808650.2/32

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 12150977.8/36

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

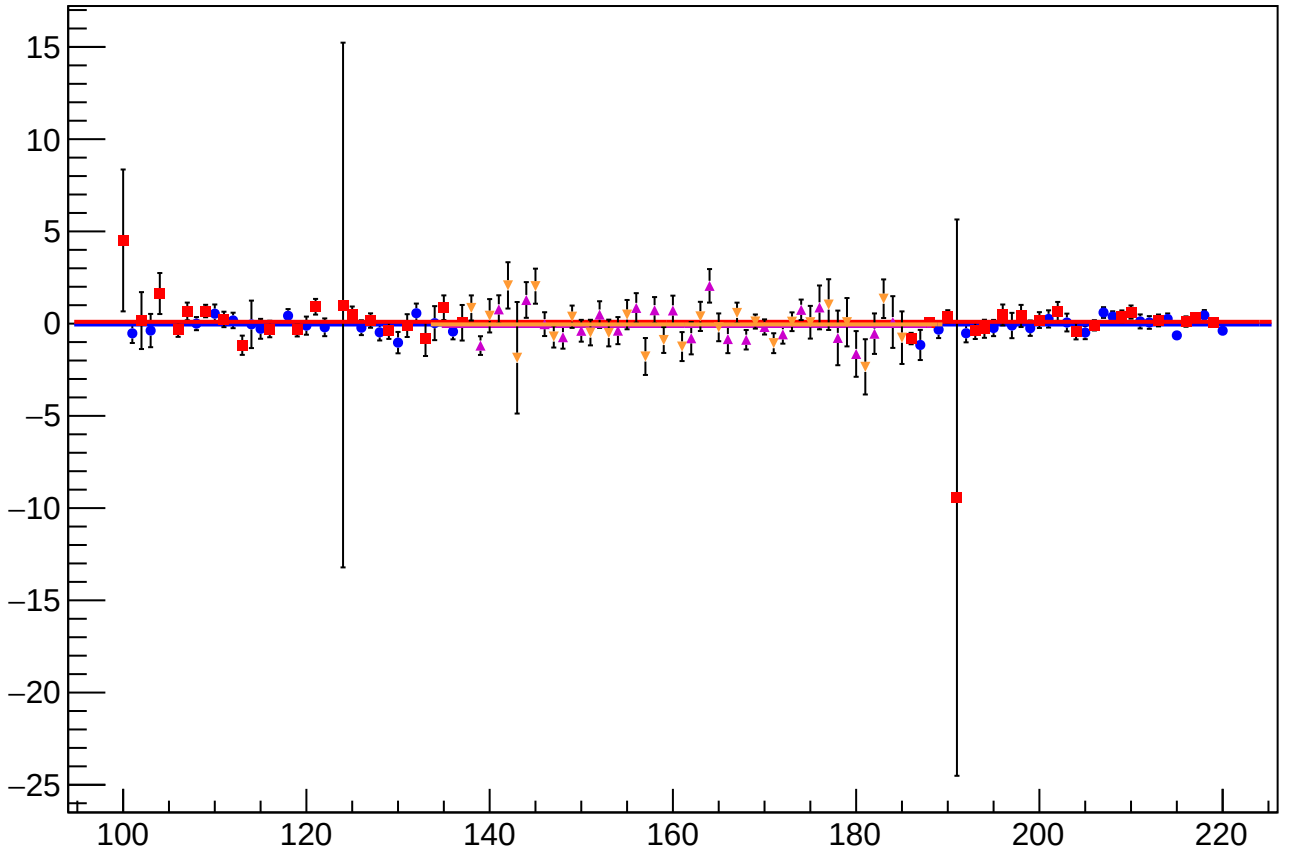
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.010+/-0.000 χ^2/NDF: 25962652.5/69

In: 0.011+/-0.000 χ^2/NDF:20470023.3/55

Out: 0.011+/-0.000 χ^2/NDF:20332221.3/61

All: 0.011+/-0.000 χ^2/NDF: 40811362.8/117



Right In: -0.047+/-0.071 χ^2/NDF: 34.6/32

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

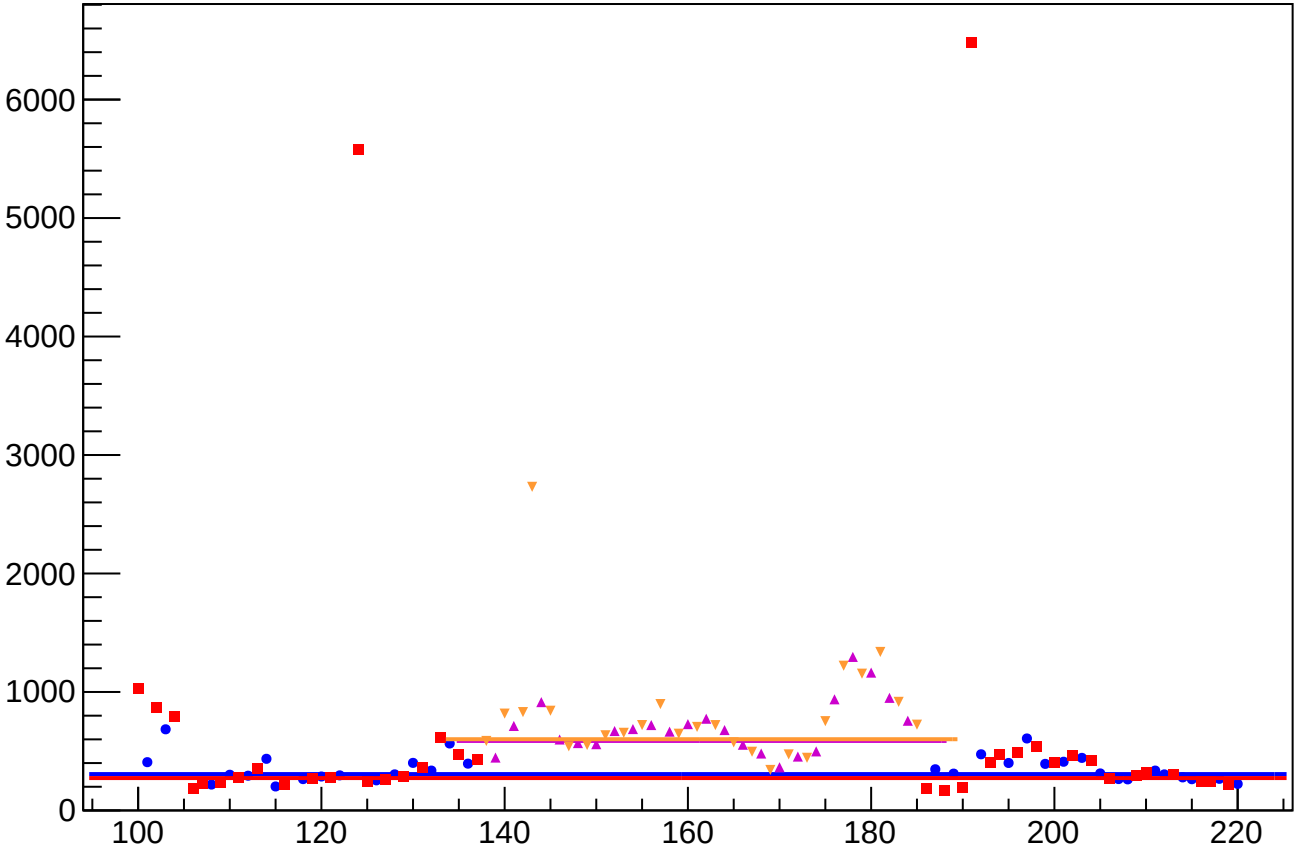
Right: 0.032+/-0.048 χ^2/NDF: 81.2/69

In: -0.062+/-0.063 χ^2/NDF:63.9/55

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.011+/-0.043 χ^2/NDF: 141.6/117

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 306.943+/-0.050 χ^2/NDF: 2510943.2/32

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

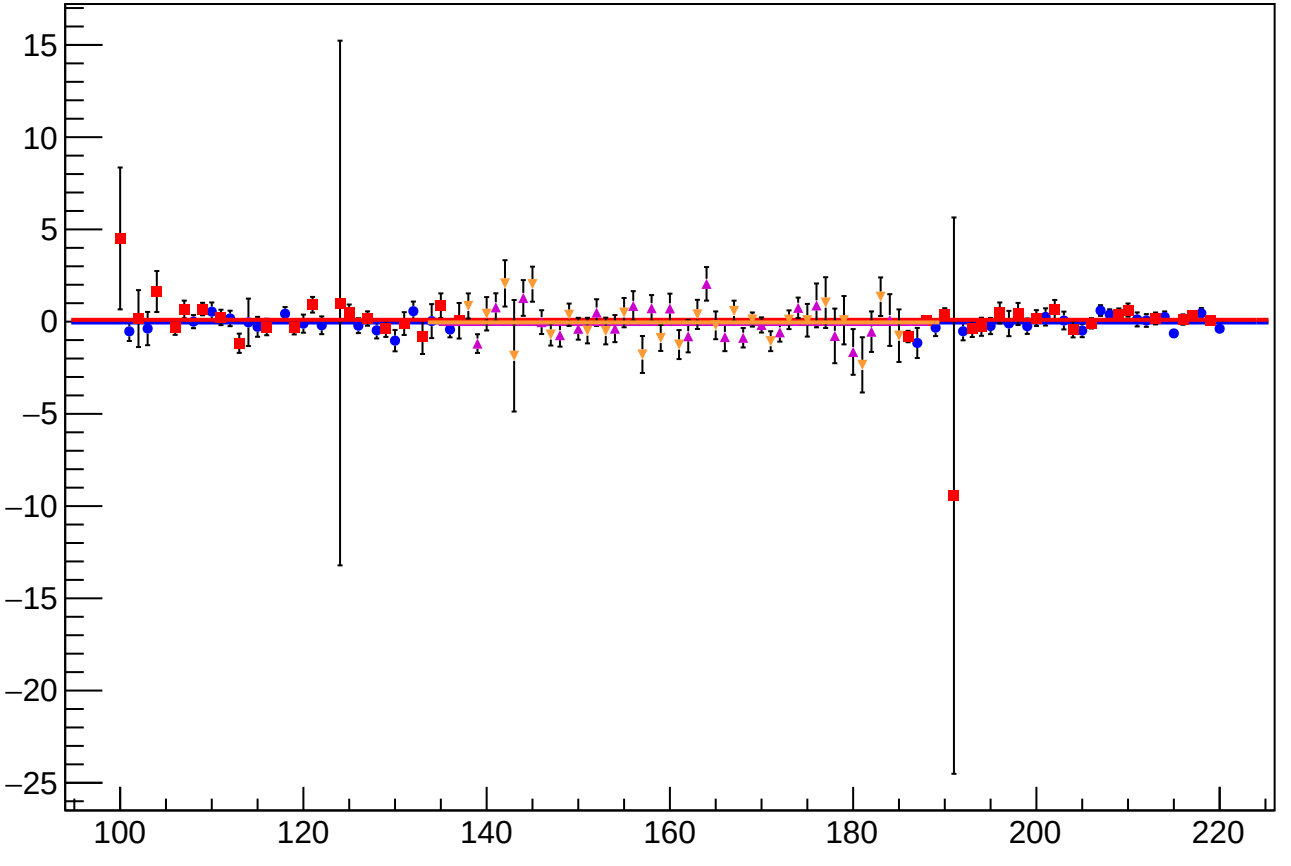
Right: 288.815+/-0.034 χ^2/NDF: 7951475.5/69

In: 360.418+/-0.045 χ^2/NDF:11456554.1/55

Out: 326.901+/-0.042 χ^2/NDF:17922437.0/61

All: 342.612+/-0.031 χ^2/NDF: 29675294.8/11

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.047+/-0.071 χ^2/NDF: 34.6/32

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

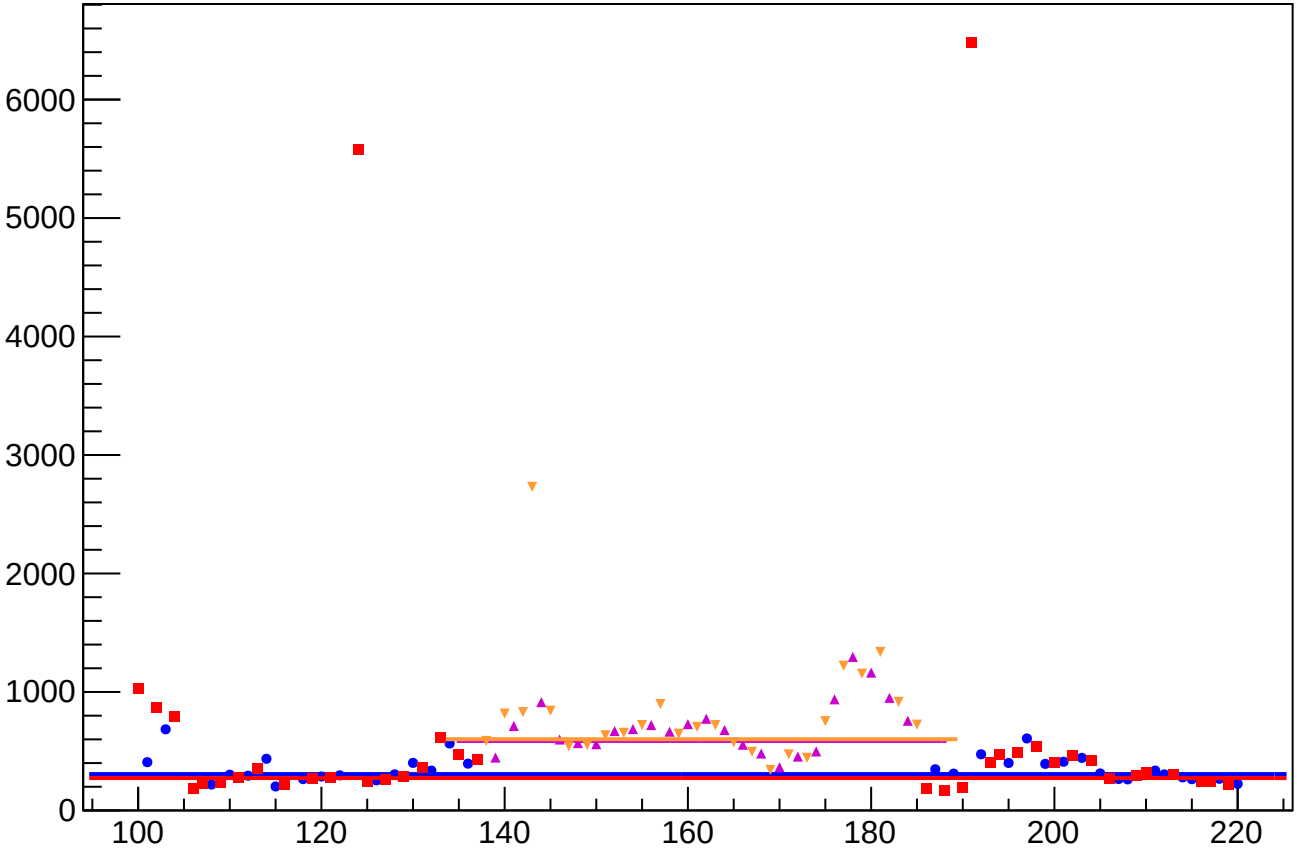
Right: 0.032+/-0.048 χ^2/NDF: 81.2/69

In: -0.062+/-0.063 χ^2/NDF:63.9/55

Out: 0.076+/-0.060 χ^2/NDF:75.1/61

All: 0.011+/-0.043 χ^2/NDF: 141.6/117

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 306.943+/-0.050 χ^2/NDF: 2510943.2/32

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

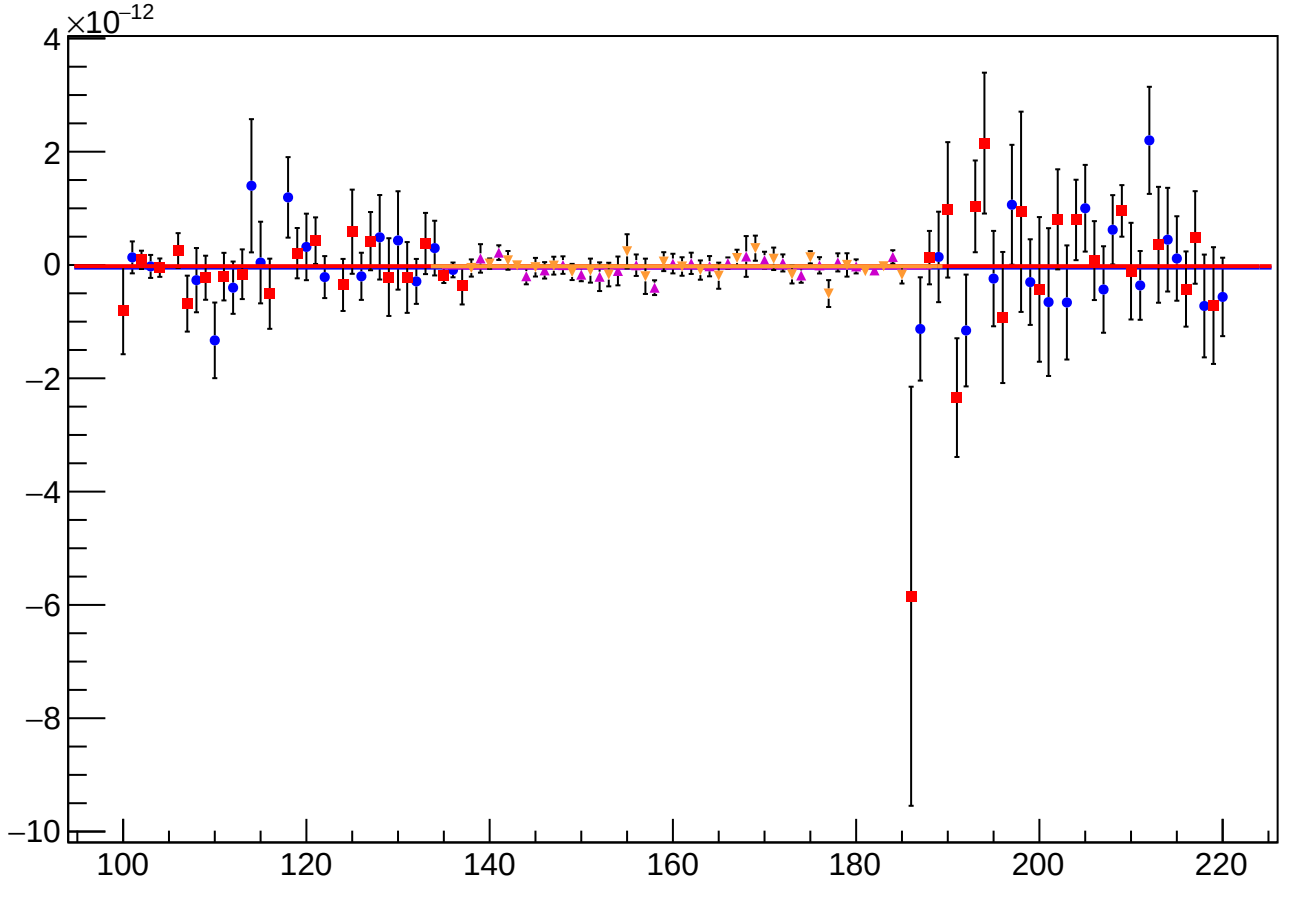
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 288.815+/-0.034 χ^2/NDF: 7951475.5/69

In: 360.418+/-0.045 χ^2/NDF:11456554.1/55

Out: 326.901+/-0.042 χ^2/NDF:17922437.0/61

All: 342.612+/-0.031 χ^2/NDF: 29675294.8/11



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/36

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

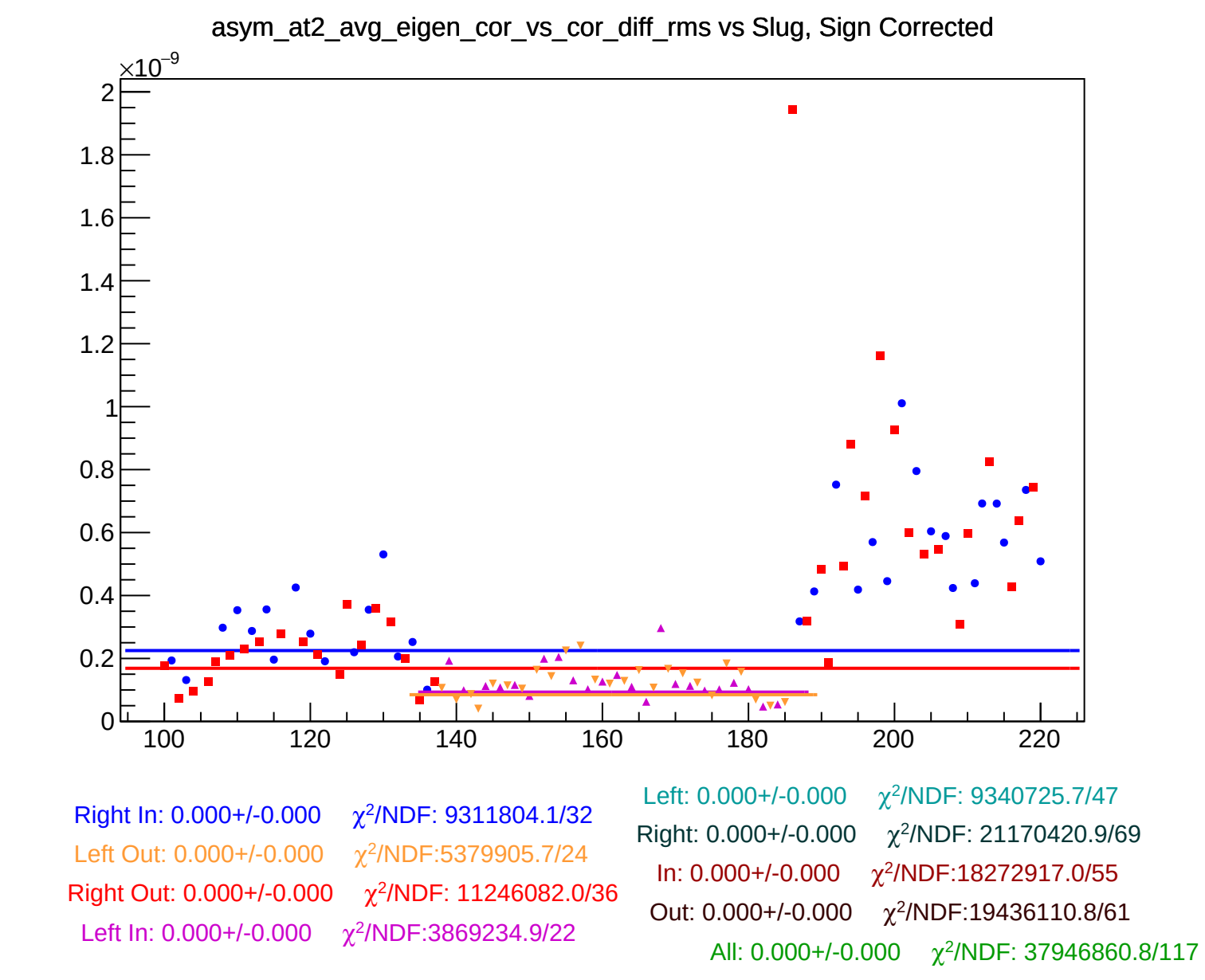
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

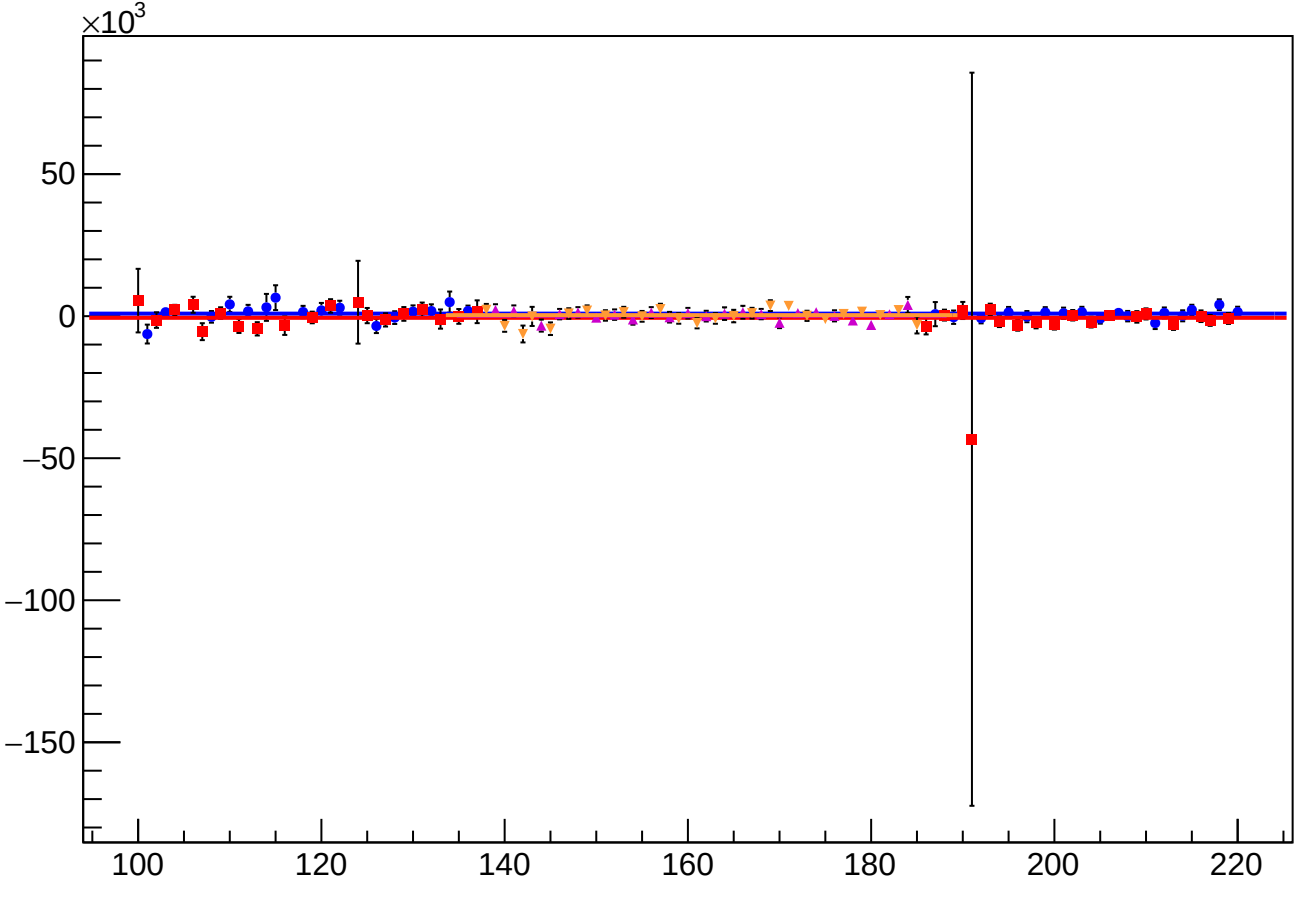
Right: -0.000+/-0.000 χ^2/NDF: 61.2/69

In: -0.000+/-0.000 χ^2/NDF:49.2/55

Out: -0.000+/-0.000 χ^2/NDF:50.2/61

All: -0.000+/-0.000 χ^2/NDF: 99.8/117


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9311804.1/32
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11246082.0/36
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: 21170420.9/69
In: 0.000+/-0.000 χ²/NDF:18272917.0/55
Out: 0.000+/-0.000 χ²/NDF:19436110.8/61
All: 0.000+/-0.000 χ²/NDF: 37946860.8/117



Right In: 892.975+/-372.703 χ^2/NDF: 23.4/32

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -583.190+/-373.904 χ^2/NDF: 31.3/36

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

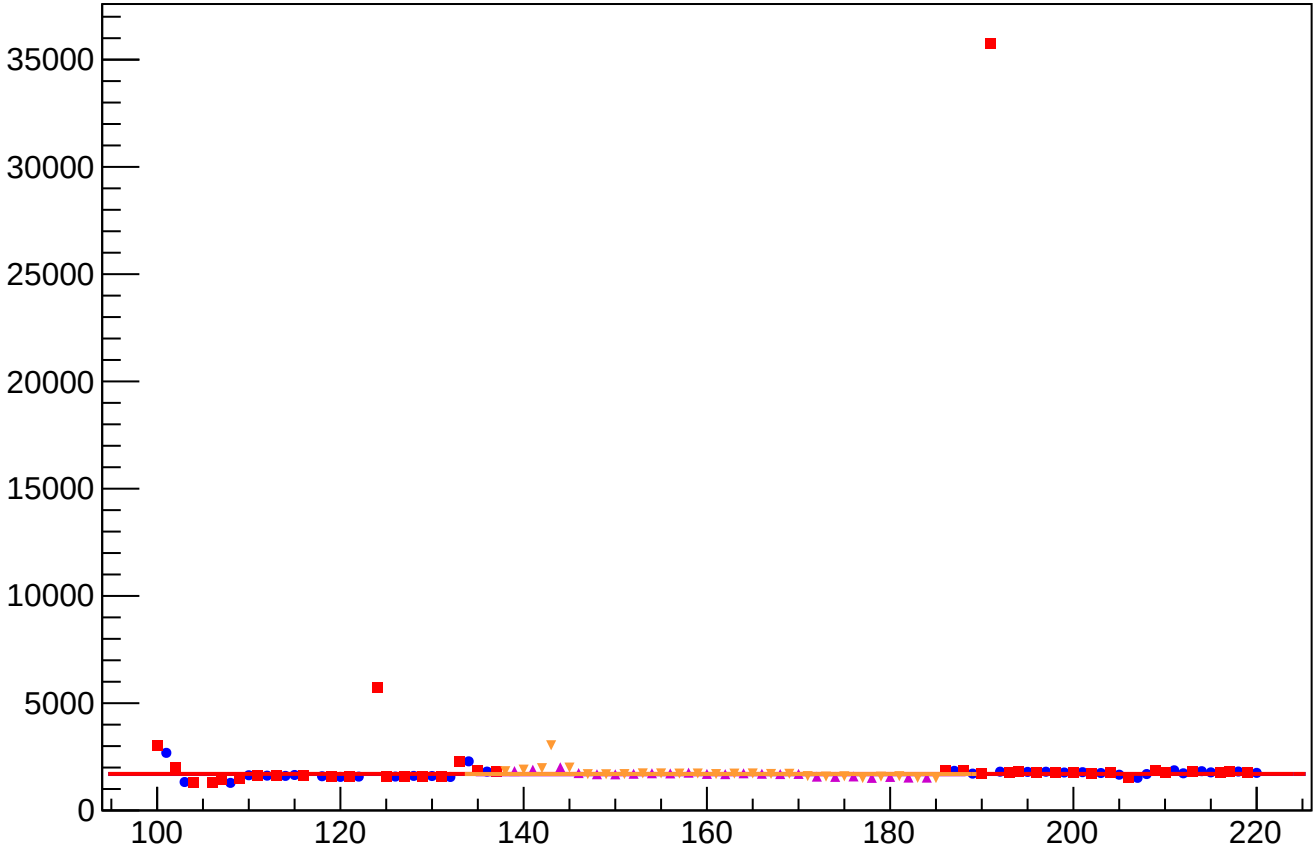
Right: 157.267+/-263.964 χ^2/NDF: 62.5/69

In: 545.669+/-270.840 χ^2/NDF:41.3/55

Out: -128.407+/-269.279 χ^2/NDF:64.0/61

All: 206.683+/-190.959 χ^2/NDF: 108.4/117

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1698.550+/-0.264 χ^2/NDF: 533145.0/32

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.5/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

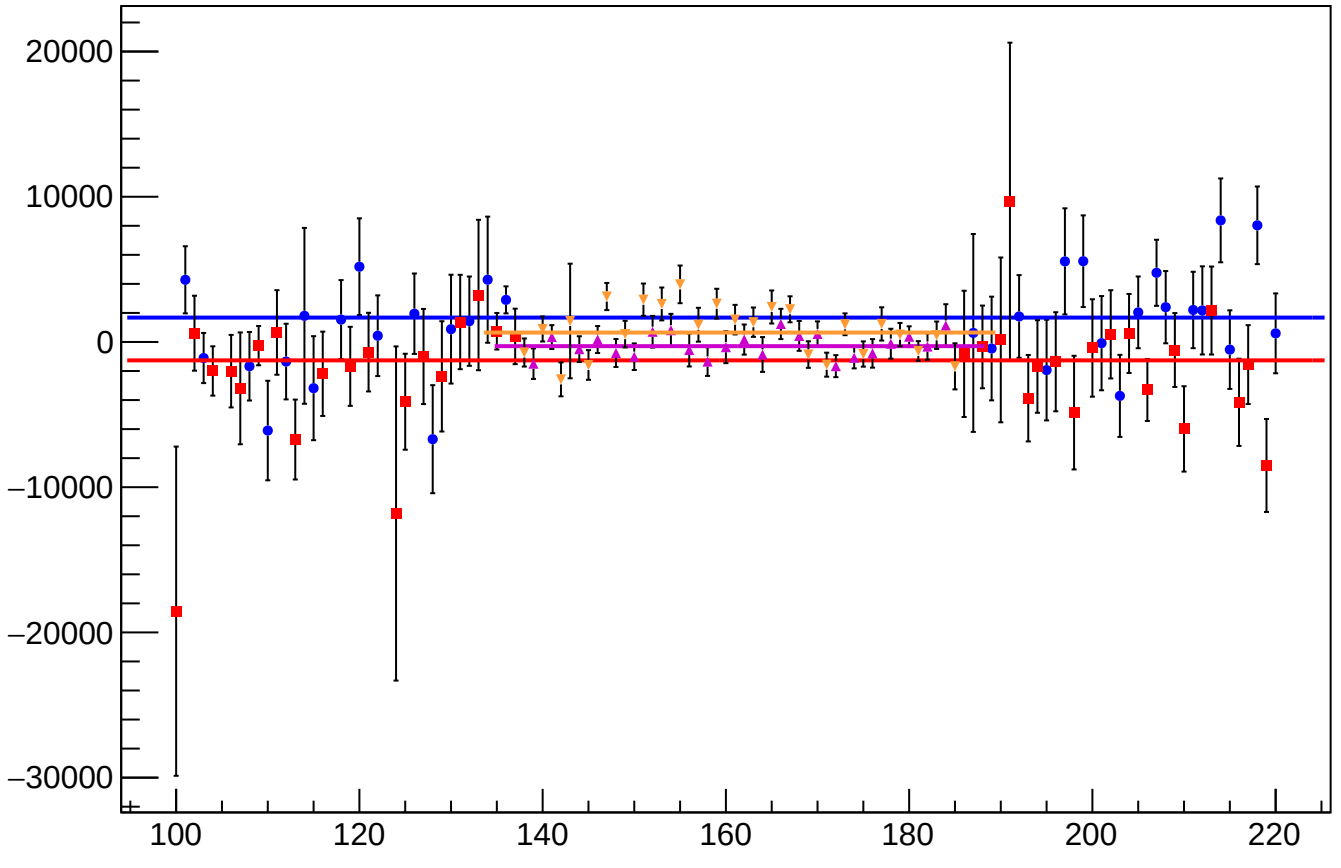
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1701.497+/-0.187 χ^2/NDF: 1267404.3/69

In: 1691.956+/-0.192 χ^2/NDF:699827.4/55

Out: 1701.109+/-0.190 χ^2/NDF:1229740.6/61

All: 1696.559+/-0.135 χ^2/NDF: 1930716.7/11



Right In: 1679.510+/-447.902 χ^2/NDF: 44.6/32

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -1266.534+/-444.047 χ^2/NDF: 29.4/36

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

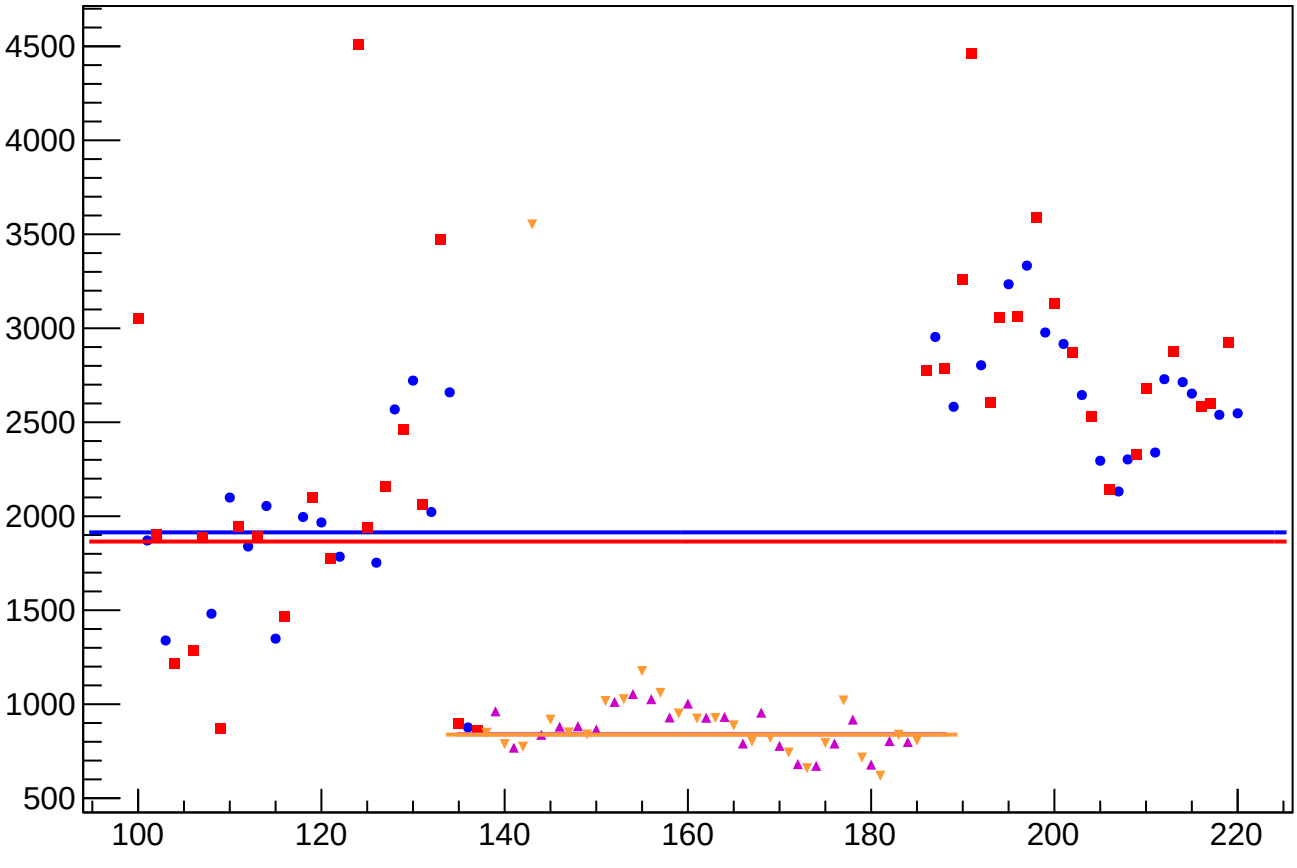
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 193.757+/-315.343 χ^2/NDF: 95.9/69

In: 34.463+/-181.472 χ^2/NDF:77.3/55

Out: 337.669+/-179.057 χ^2/NDF:110.5/61

All: 188.097+/-127.458 χ^2/NDF: 189.3/117



Right In: 1914.071+/-0.317 χ^2/NDF: 5350001.2/32

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1865.351+/-0.314 χ^2/NDF: 6818652.9/36

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

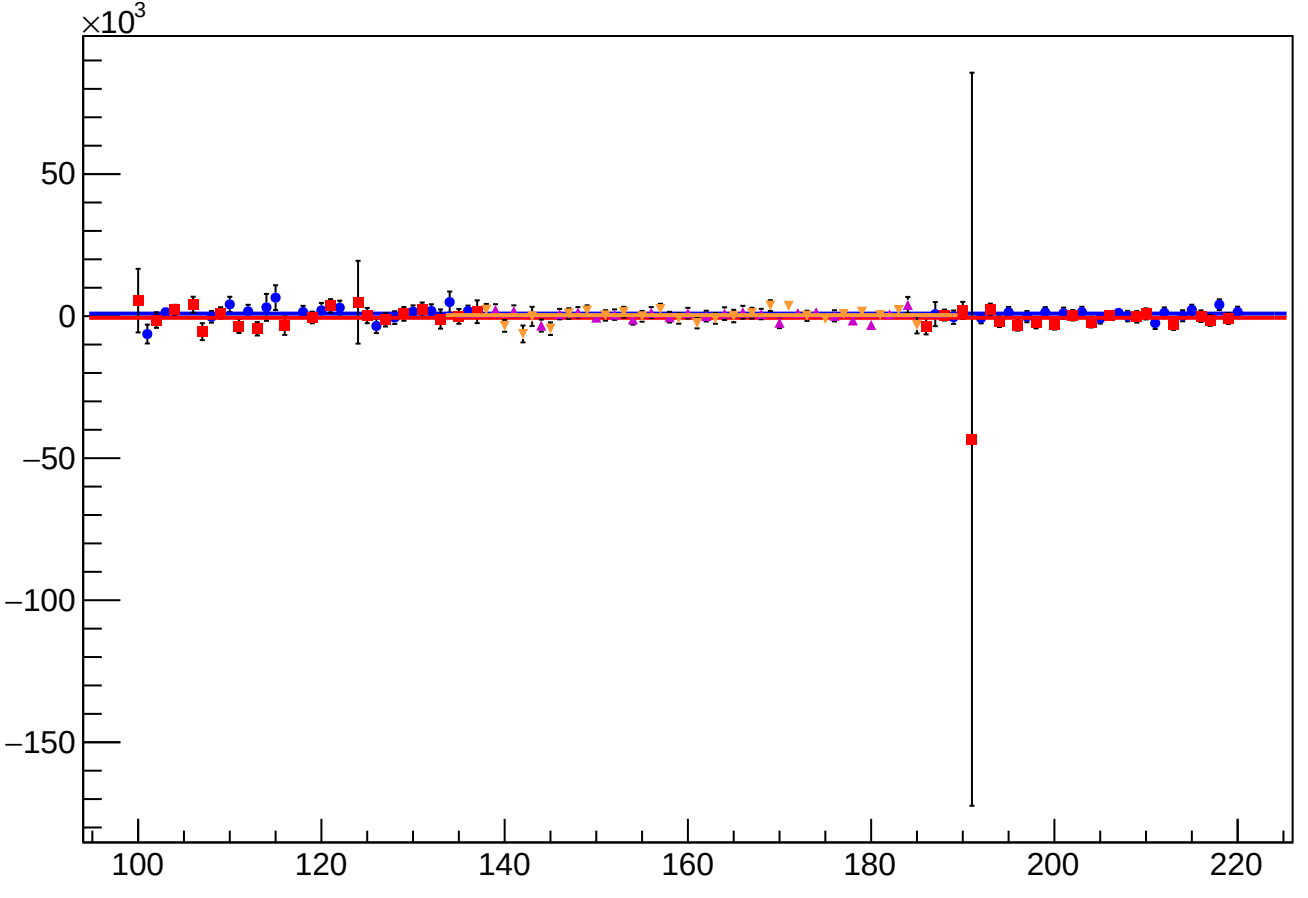
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1889.500+/-0.223 χ^2/NDF: 12180588.4/69

In: 1016.294+/-0.128 χ^2/NDF:15632710.6/55

Out: 1005.252+/-0.127 χ^2/NDF:17579477.3/61

All: 1010.699+/-0.090 χ^2/NDF: 33215940.1/1



Right In: 893.001+/-372.703 χ^2/NDF: 23.4/32

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -583.280+/-373.904 χ^2/NDF: 31.3/36

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

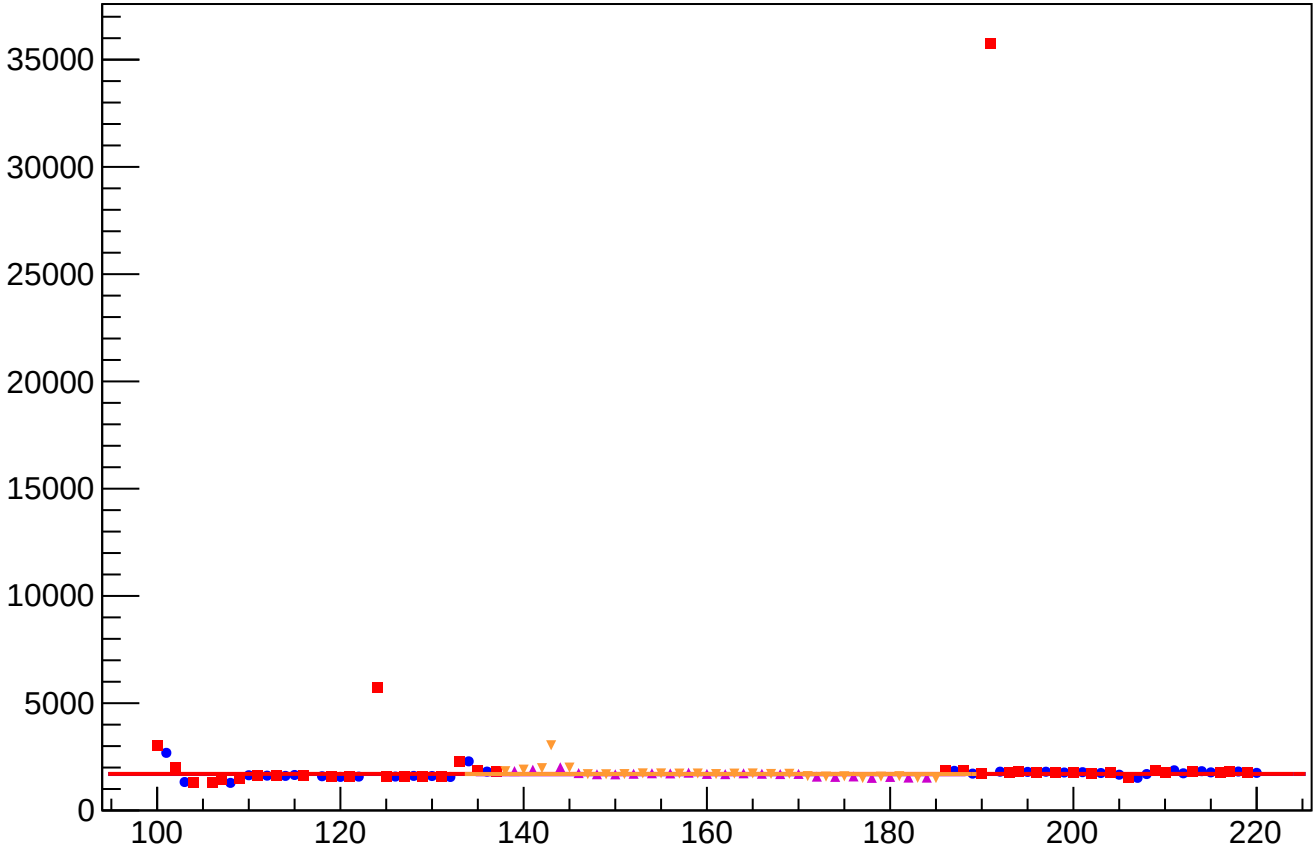
Right: 157.236+/-263.964 χ^2/NDF: 62.5/69

In: 545.638+/-270.840 χ^2/NDF:41.3/55

Out: -128.494+/-269.279 χ^2/NDF:64.0/61

All: 206.624+/-190.959 χ^2/NDF: 108.4/117

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1698.550+/-0.264 χ^2/NDF: 533145.4/32

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

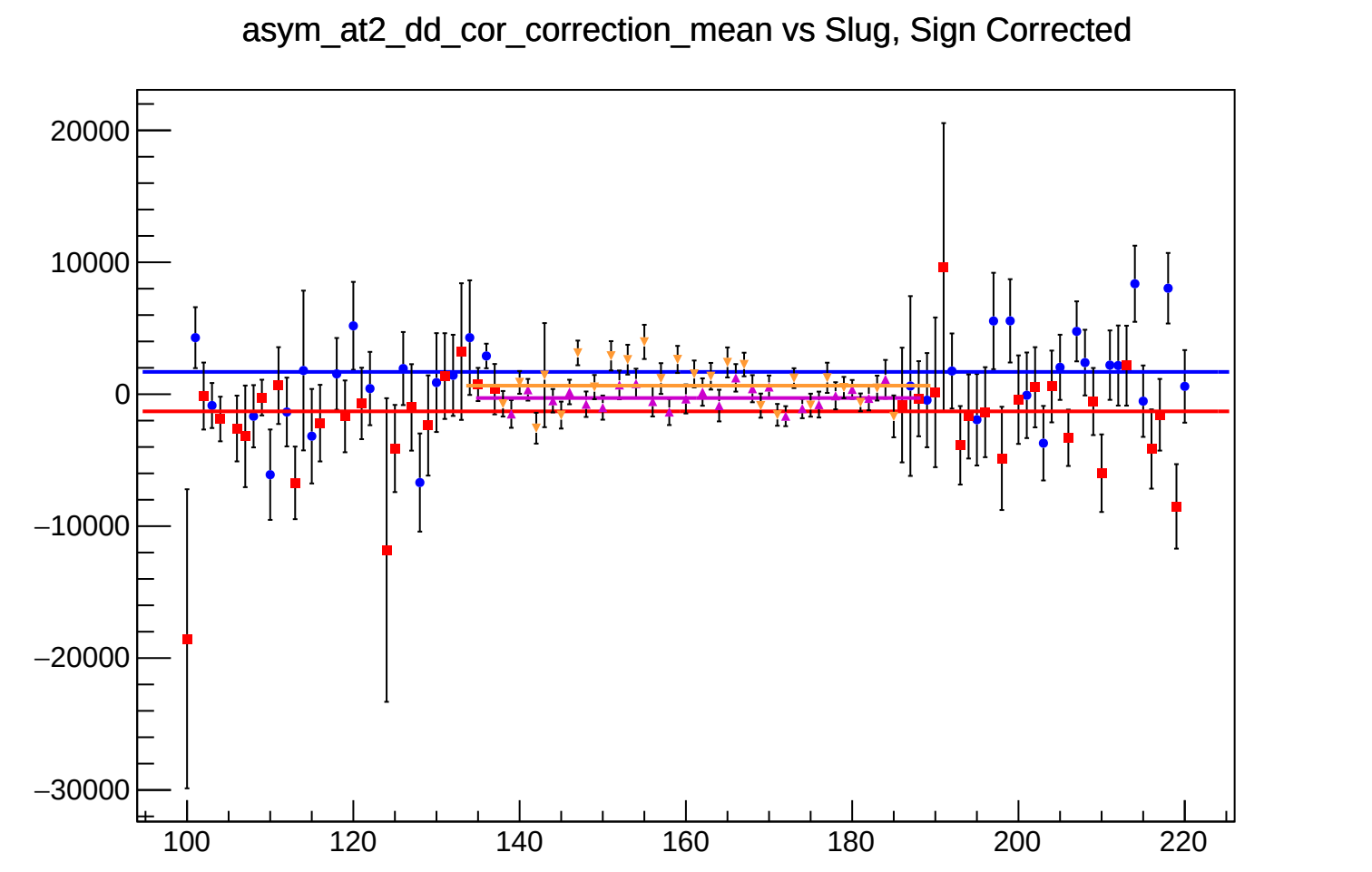
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1701.497+/-0.187 χ^2/NDF: 1267404.9/69

In: 1691.956+/-0.192 χ^2/NDF:699827.8/55

Out: 1701.109+/-0.190 χ^2/NDF:1229740.7/61

All: 1696.559+/-0.135 χ^2/NDF: 1930717.2/11



Right In: 1692.384+/-447.521 χ^2/NDF: 44.3/32

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1298.704+/-443.658 χ^2/NDF: 29.2/36

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

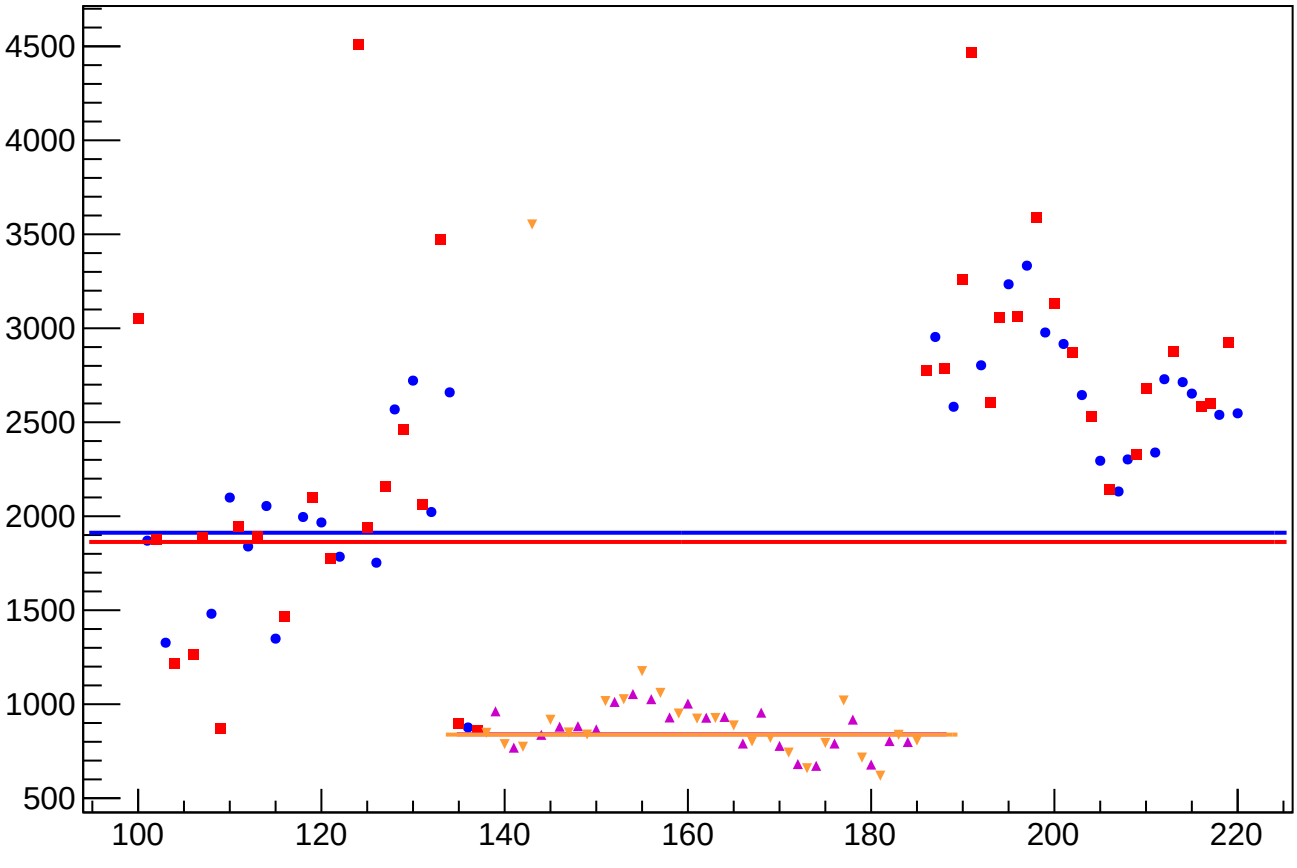
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 183.872+/-315.070 χ^2/NDF: 96.0/69

In: 37.051+/-181.447 χ^2/NDF:77.2/55

Out: 331.966+/-179.033 χ^2/NDF:110.9/61

All: 186.483+/-127.441 χ^2/NDF: 189.4/117



Right In: 1912.272+/-0.316 χ^2/NDF: 5364818.6/32

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

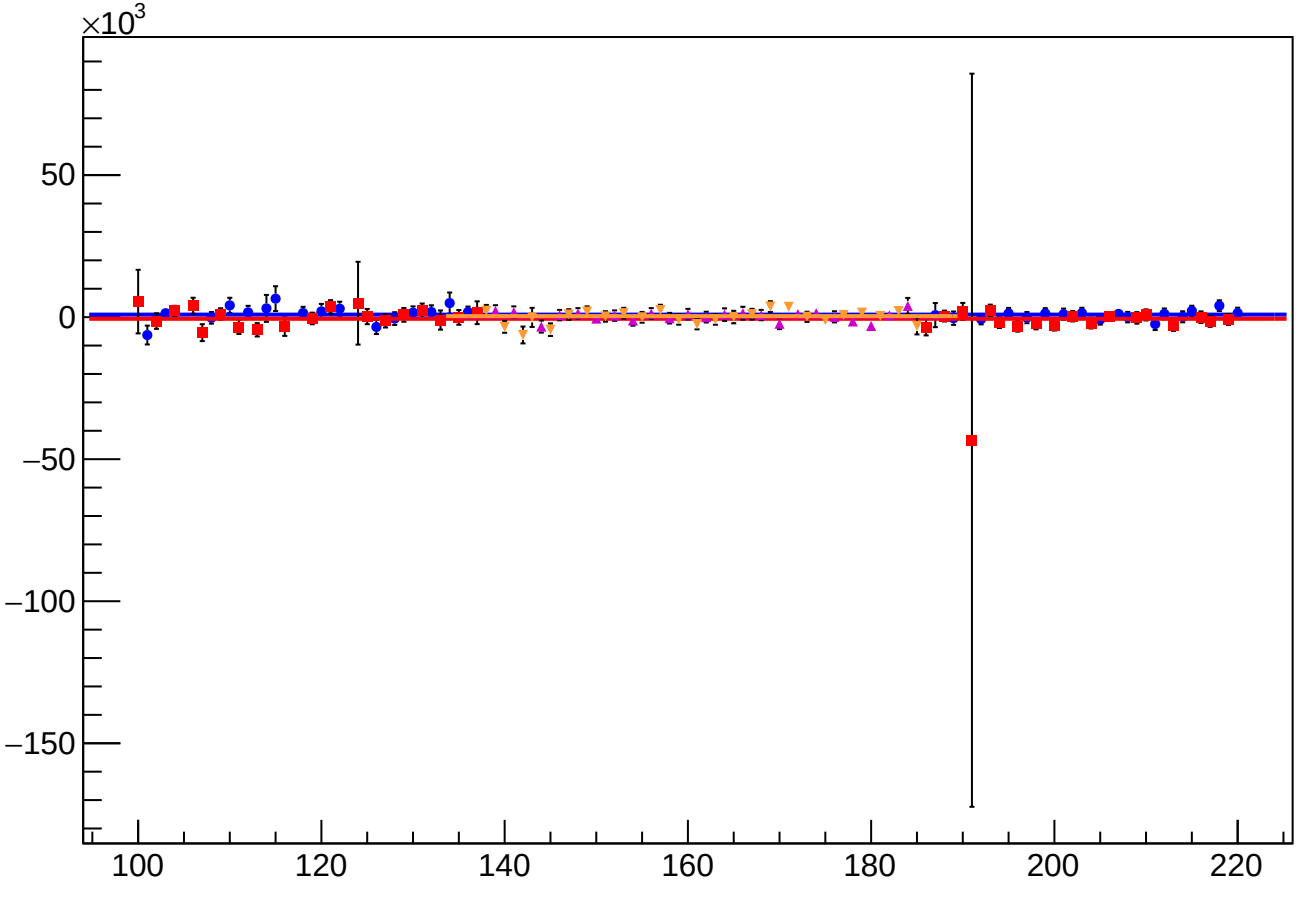
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1887.524+/-0.223 χ^2/NDF: 12208574.2/69

In: 1016.252+/-0.128 χ^2/NDF:15628917.3/55

Out: 1005.160+/-0.127 χ^2/NDF:17567765.3/61

All: 1010.632+/-0.090 χ^2/NDF: 33200469.3/1



Right In: 893.001+/-372.703 χ^2/NDF: 23.4/32

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -583.280+/-373.904 χ^2/NDF: 31.3/36

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

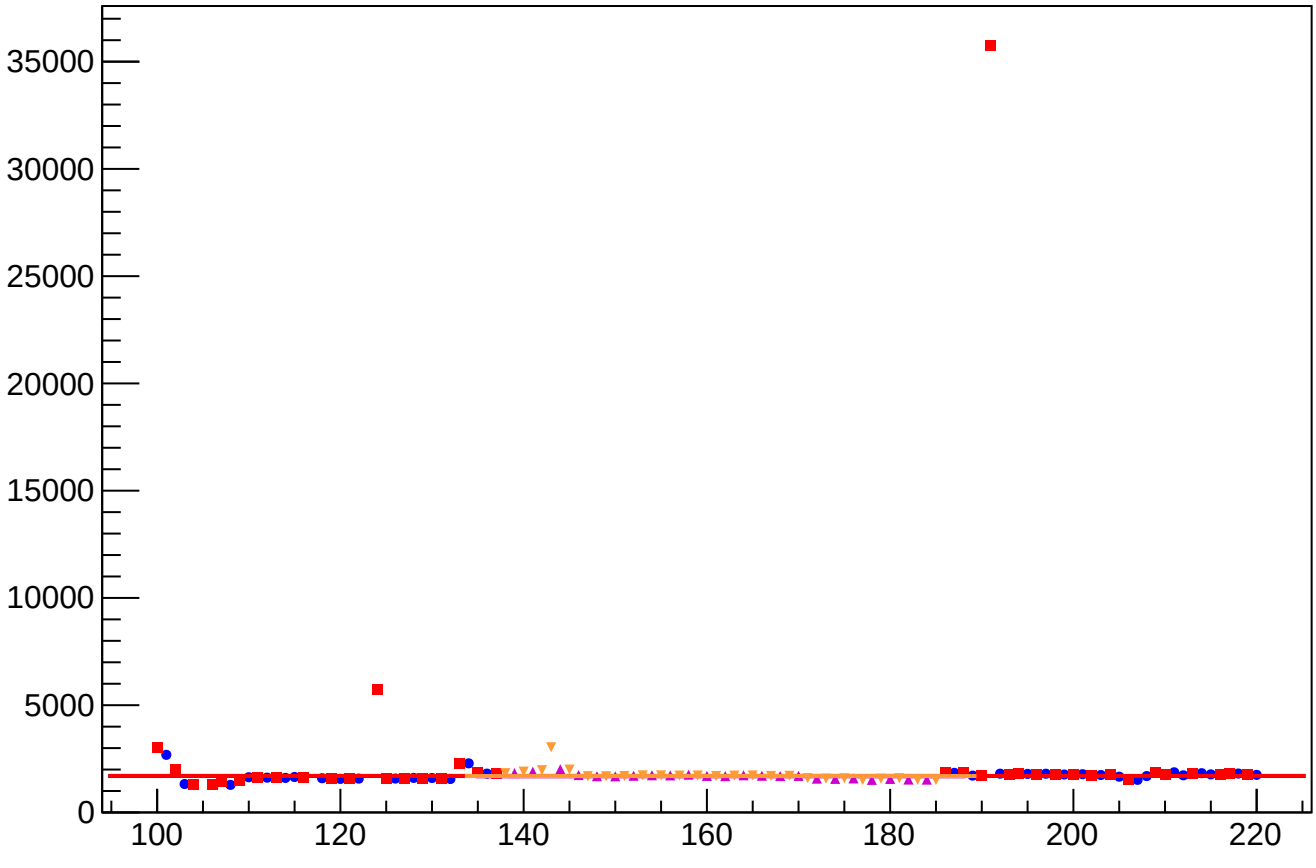
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 157.236+/-263.964 χ^2/NDF: 62.5/69

In: 545.638+/-270.840 χ^2/NDF:41.3/55

Out: -128.494+/-269.279 χ^2/NDF:64.0/61

All: 206.624+/-190.959 χ^2/NDF: 108.4/117



Right In: 1698.550+/-0.264 χ^2/NDF: 533145.4/32

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

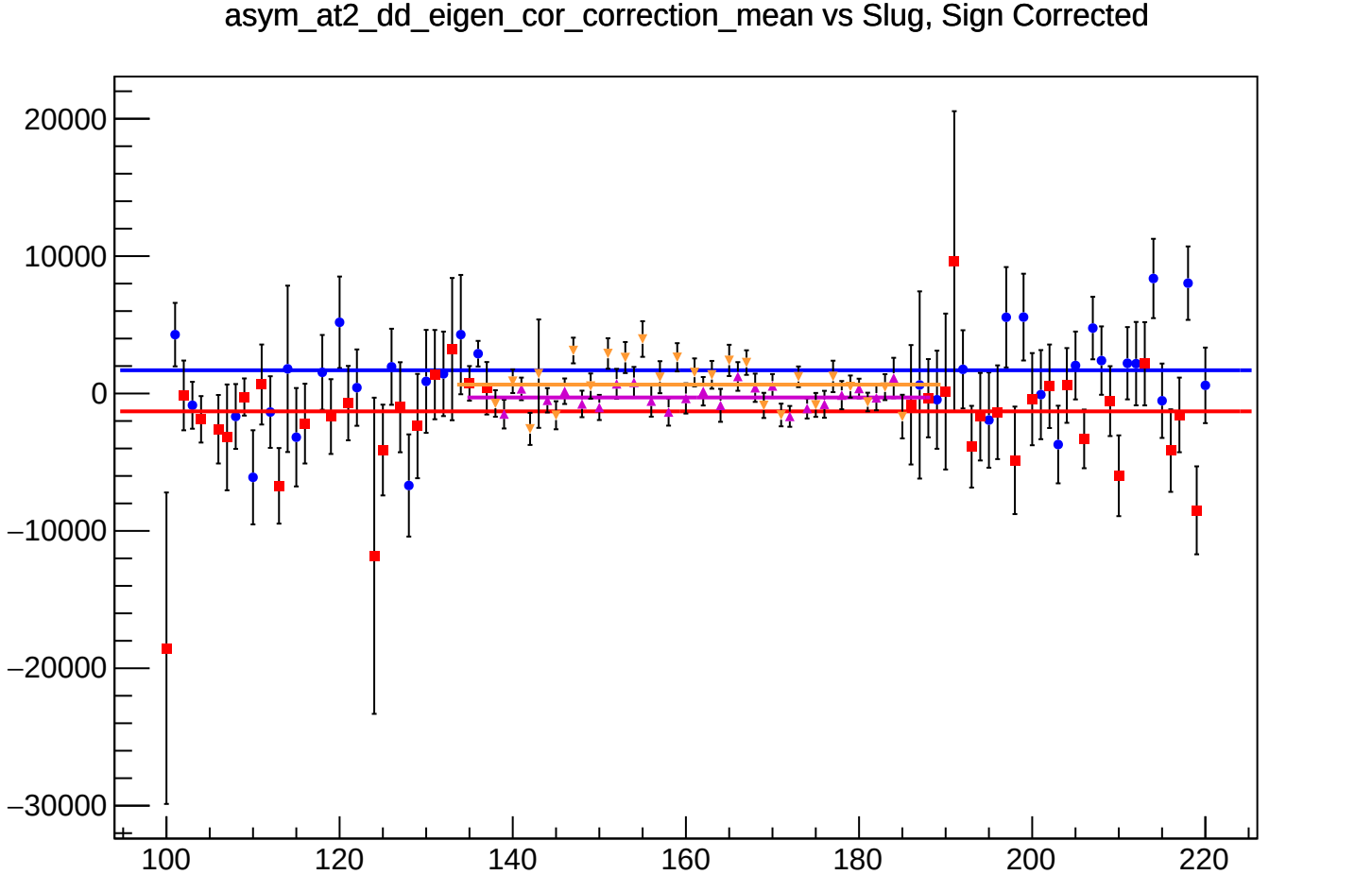
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

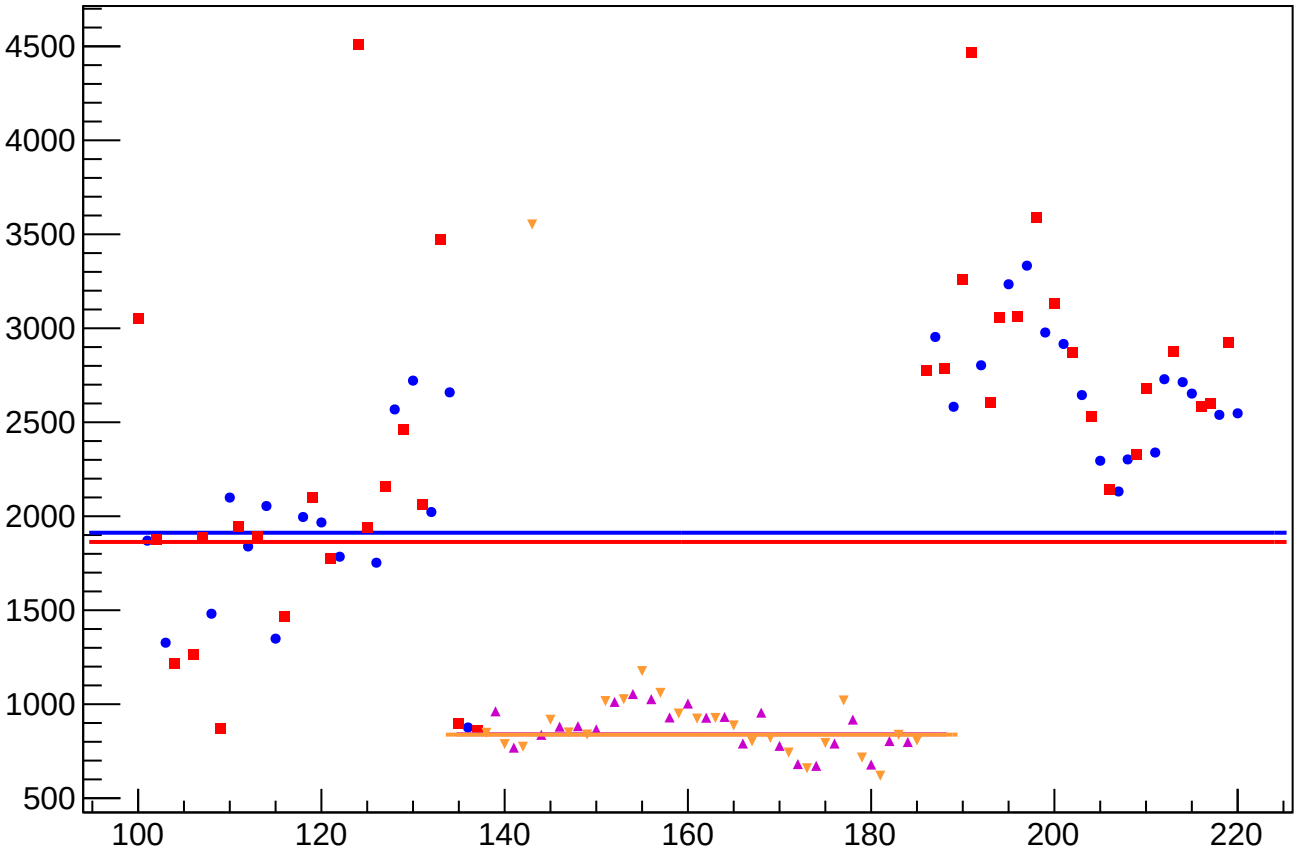
Right: 1701.497+/-0.187 χ^2/NDF: 1267404.9/69

In: 1691.956+/-0.192 χ^2/NDF:699827.8/55

Out: 1701.109+/-0.190 χ^2/NDF:1229740.7/61

All: 1696.559+/-0.135 χ^2/NDF: 1930717.2/11


asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 1692.384+/-447.521 χ²/NDF: 44.3/32
Left Out: 649.165+/-195.673 χ²/NDF:65.5/24
Right Out: -1298.704+/-443.658 χ²/NDF: 29.2/36
Left In: -288.602+/-198.495 χ²/NDF:16.6/22
Left: 186.994+/-139.349 χ²/NDF: 93.4/47
Right: 183.872+/-315.070 χ²/NDF: 96.0/69
In: 37.051+/-181.447 χ²/NDF:77.2/55
Out: 331.966+/-179.033 χ²/NDF:110.9/61
All: 186.483+/-127.441 χ²/NDF: 189.4/117



Right In: 1912.272+/-0.316 χ^2/NDF: 5364818.6/32

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

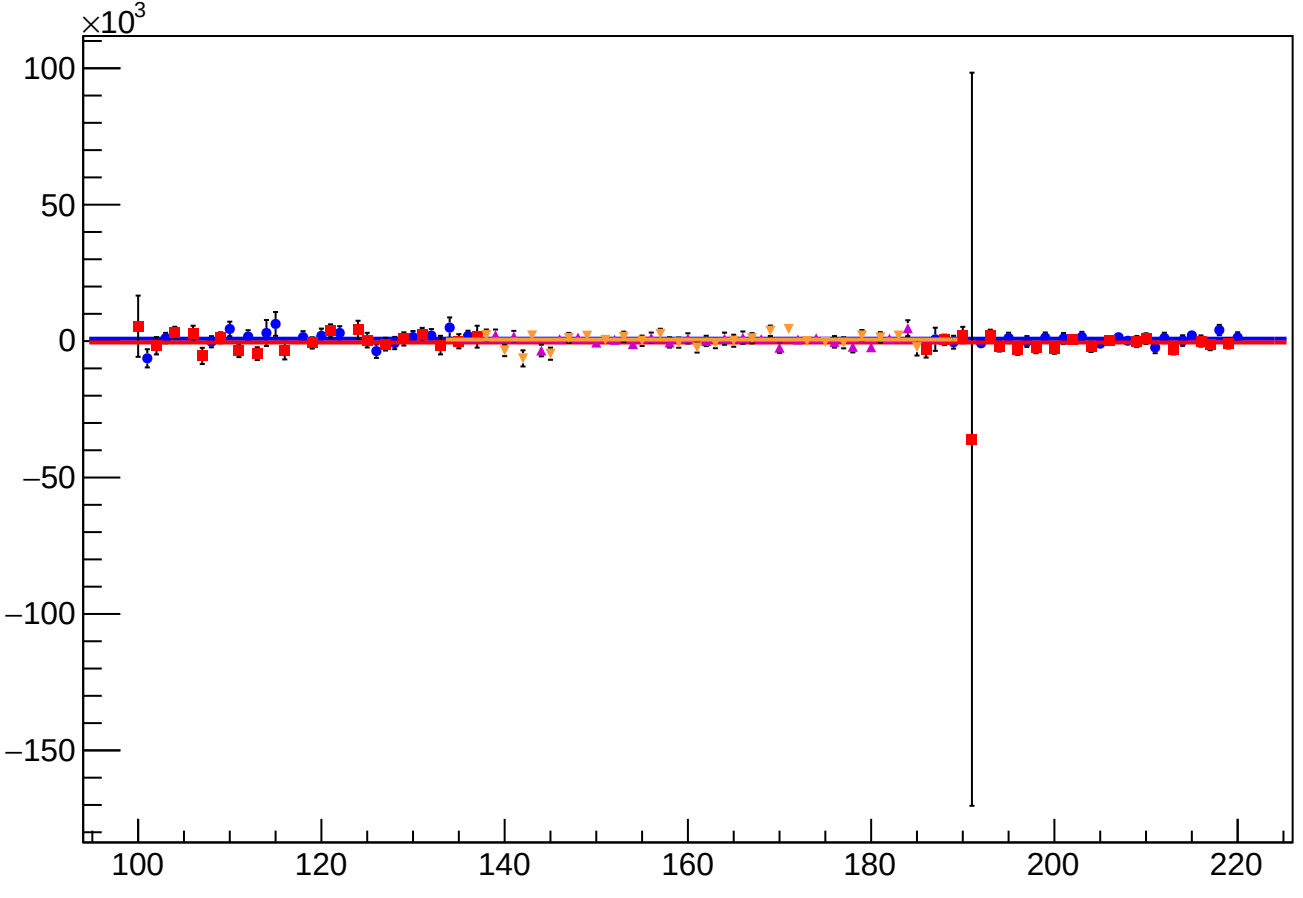
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1887.524+/-0.223 χ^2/NDF: 12208574.2/69

In: 1016.252+/-0.128 χ^2/NDF:15628917.3/55

Out: 1005.160+/-0.127 χ^2/NDF:17567765.3/61

All: 1010.632+/-0.090 χ^2/NDF: 33200469.3/



Right In: 885.952+/-374.927 χ^2/NDF: 23.8/32

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -500.993+/-374.351 χ^2/NDF: 33.7/36

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

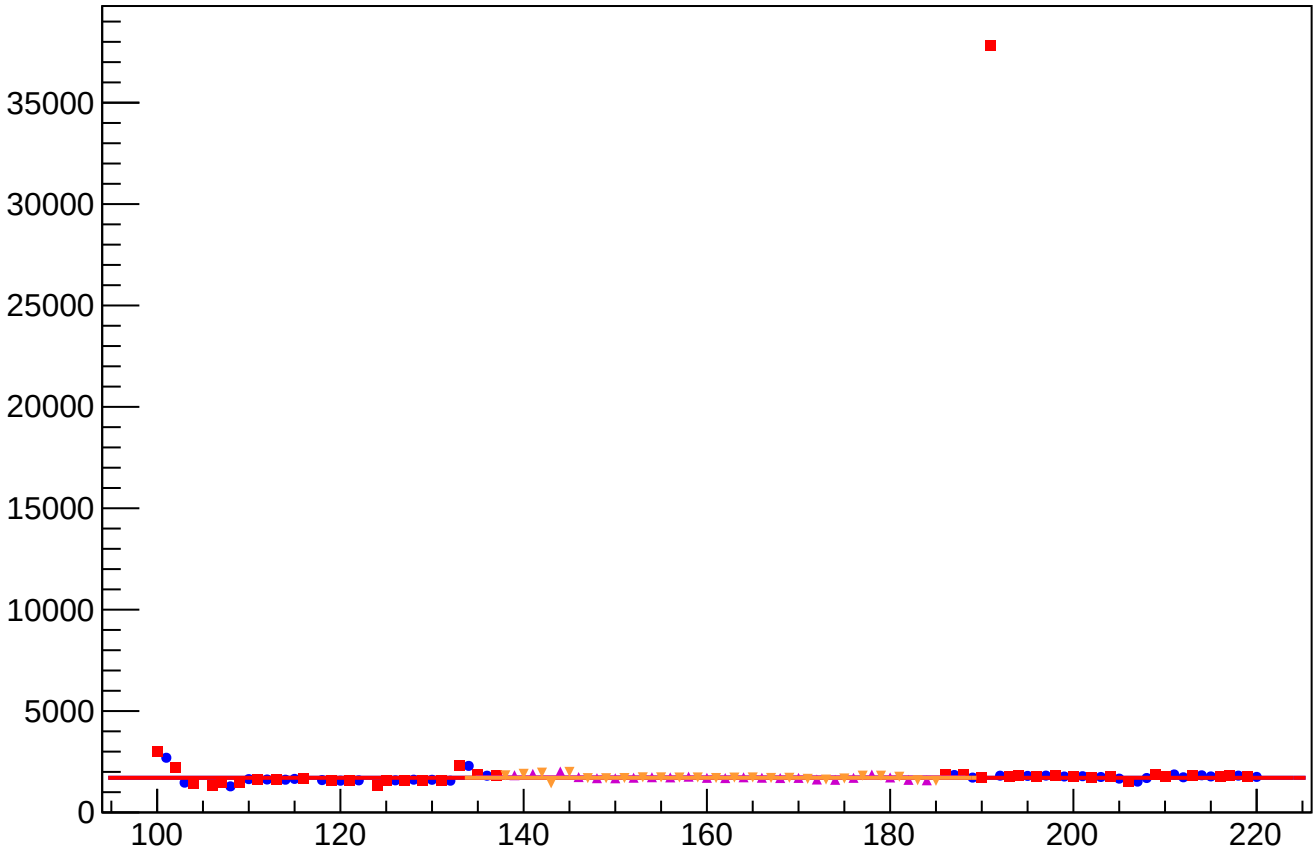
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 191.413+/-264.910 χ^2/NDF: 64.4/69

In: 562.070+/-274.847 χ^2/NDF:39.9/55

Out: 17.845+/-269.992 χ^2/NDF:69.7/61

All: 285.109+/-192.607 χ^2/NDF: 111.5/117



Right In: 1709.946+/-0.265 χ^2/NDF: 472583.2/32

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1709.037+/-0.265 χ^2/NDF: 592570.8/36

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

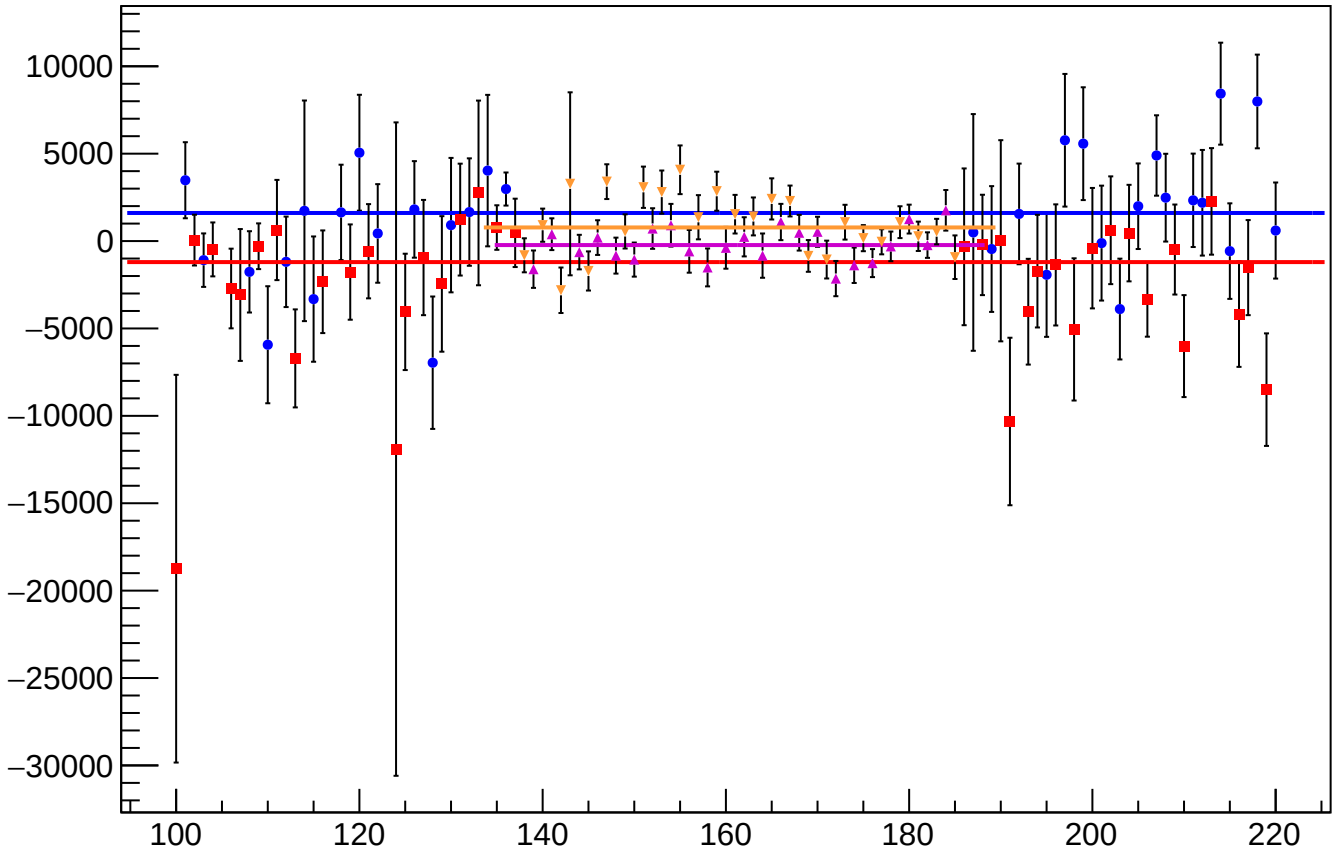
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1709.490+/-0.187 χ^2/NDF: 1065159.9/69

In: 1718.257+/-0.194 χ^2/NDF:574934.7/55

Out: 1710.320+/-0.191 χ^2/NDF:760626.1/61

All: 1714.218+/-0.136 χ^2/NDF: 1336409.6/11



Right In: 1607.237+/-446.112 χ^2/NDF: 45.1/32

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -1203.023+/-426.358 χ^2/NDF: 32.2/36

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

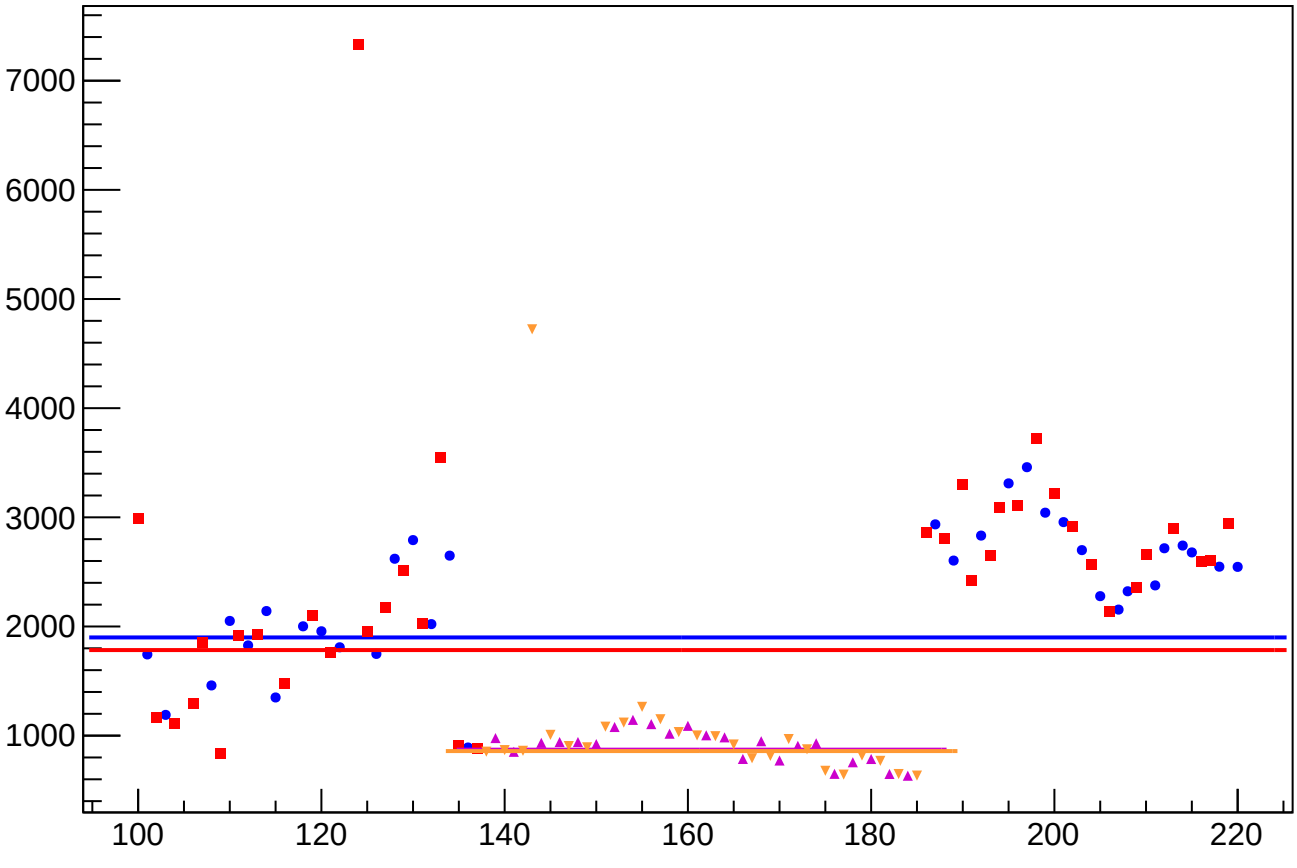
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 138.511+/-308.227 χ^2/NDF: 98.0/69

In: 95.643+/-187.549 χ^2/NDF:81.6/55

Out: 416.691+/-182.283 χ^2/NDF:104.4/61

All: 260.737+/-130.716 χ^2/NDF: 187.6/117



Right In: 1899.713+/-0.315 χ^2/NDF: 5587782.3/32

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1783.920+/-0.301 χ^2/NDF: 7592197.6/36

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

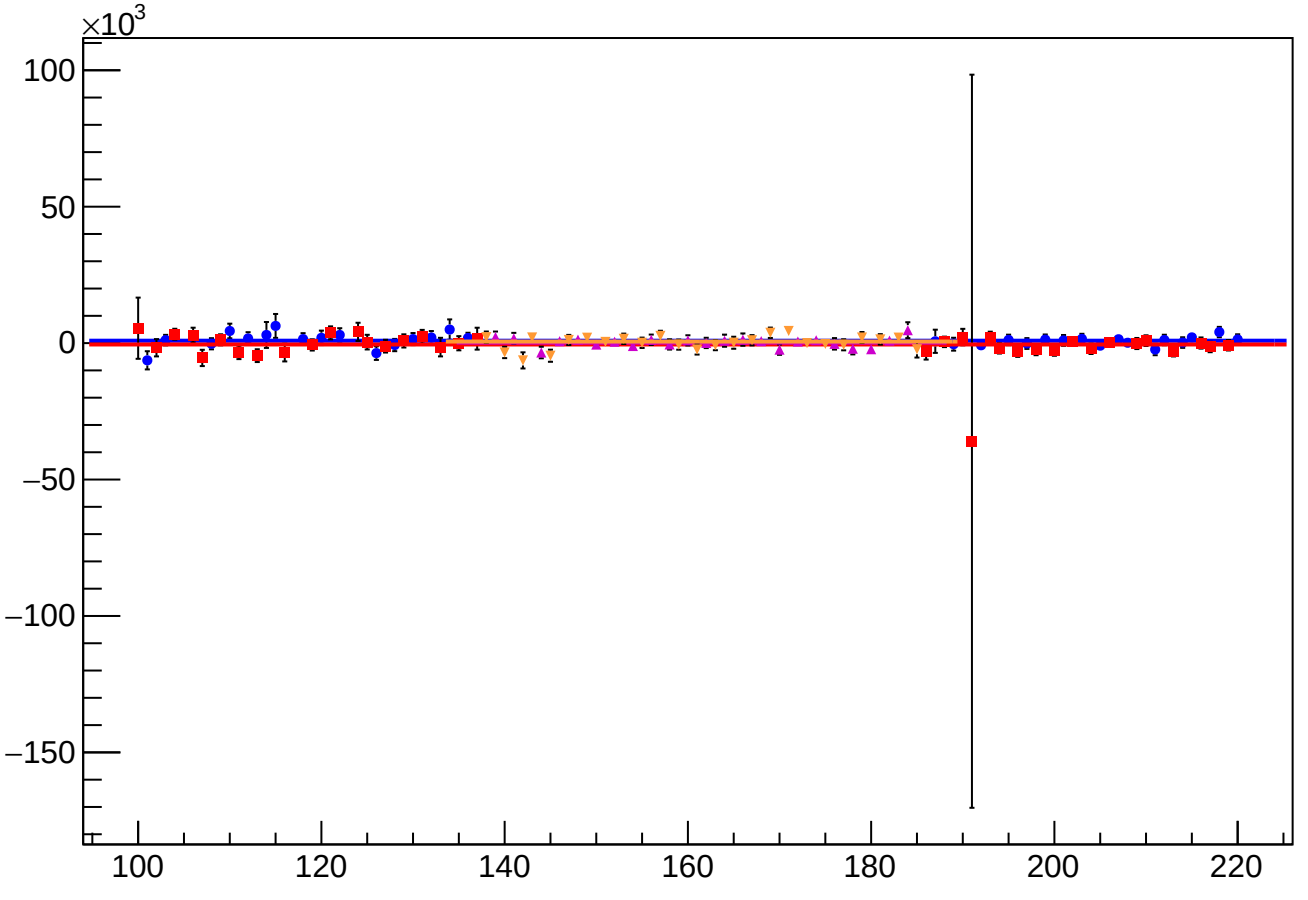
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1839.196+/-0.218 χ^2/NDF: 13250401.5/69

In: 1053.252+/-0.133 χ^2/NDF:15313390.7/55

Out: 1027.730+/-0.129 χ^2/NDF:17570500.7/61

All: 1040.128+/-0.092 χ^2/NDF: 32902936.0/1



Right In: 885.944+/-374.927 χ^2/NDF: 23.8/32

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -500.989+/-374.351 χ^2/NDF: 33.7/36

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

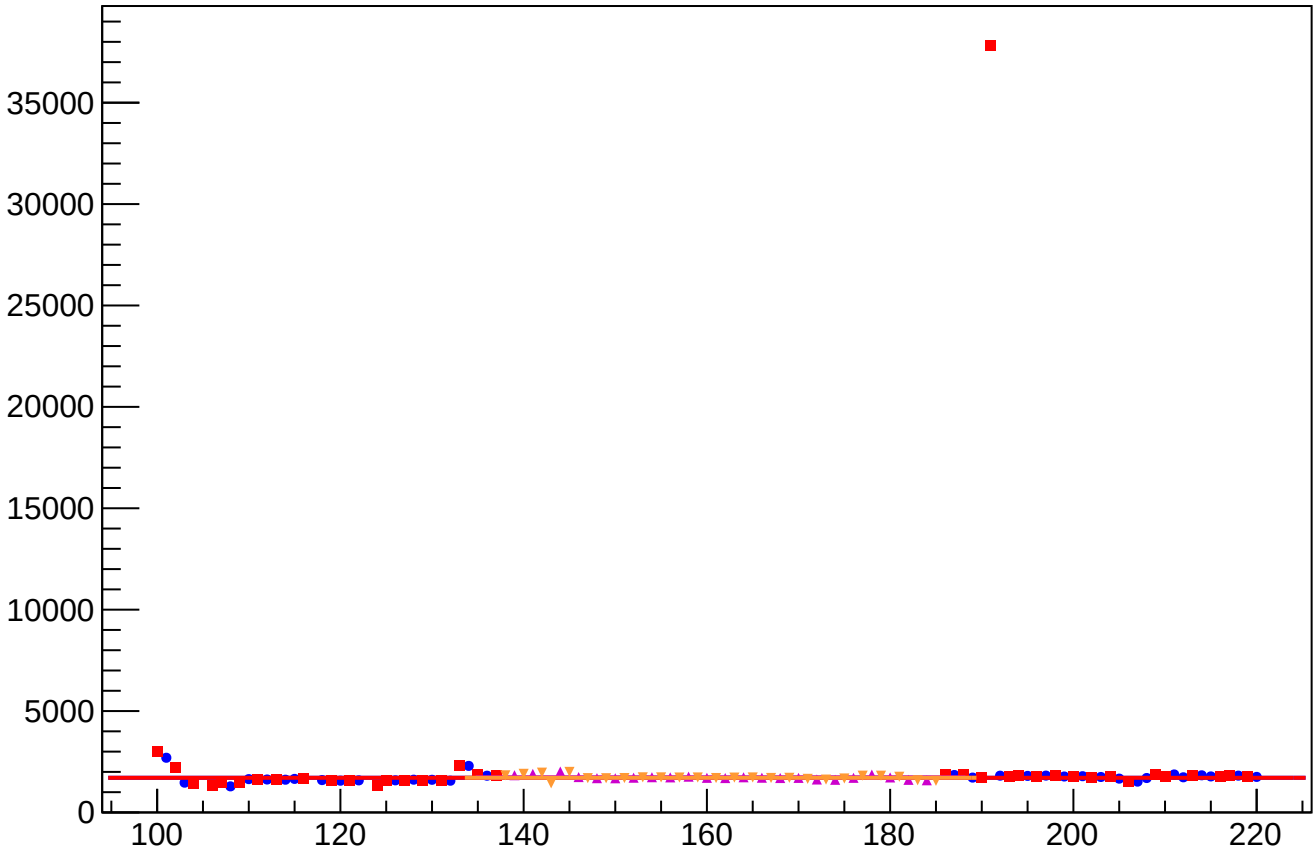
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 191.412+/-264.910 χ^2/NDF: 64.4/69

In: 562.066+/-274.847 χ^2/NDF:39.9/55

Out: 17.845+/-269.992 χ^2/NDF:69.7/61

All: 285.107+/-192.607 χ^2/NDF: 111.5/117



Right In: 1709.946+/-0.265 χ^2/NDF: 472583.1/32

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1709.037+/-0.265 χ^2/NDF: 592570.9/36

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

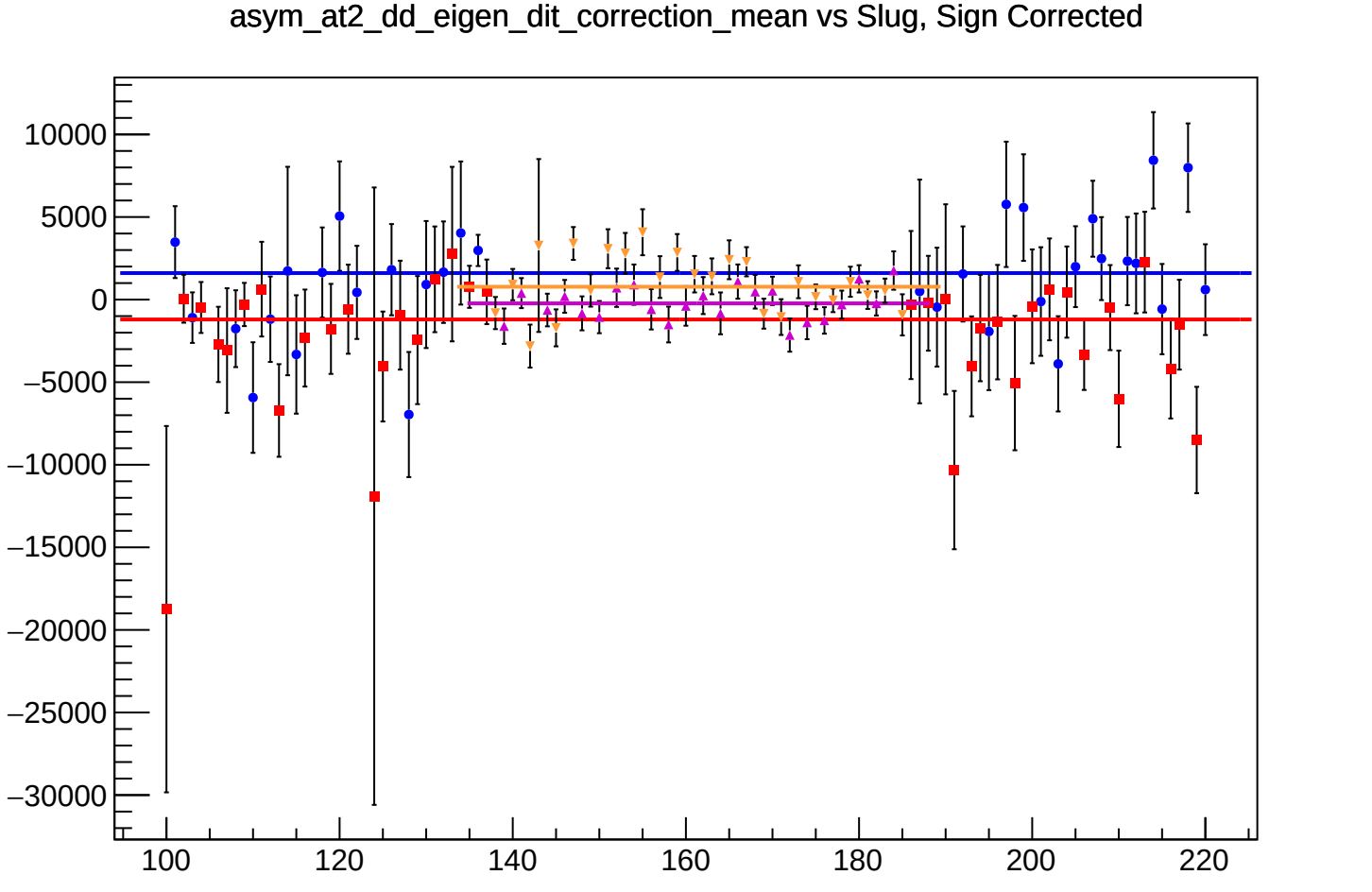
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1709.490+/-0.187 χ^2/NDF: 1065159.9/69

In: 1718.257+/-0.194 χ^2/NDF:574934.5/55

Out: 1710.320+/-0.191 χ^2/NDF:760625.1/61

All: 1714.218+/-0.136 χ^2/NDF: 1336408.3/11



Right In: 1607.237+/-446.113 χ^2/NDF: 45.1/32

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -1203.035+/-426.360 χ^2/NDF: 32.2/36

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

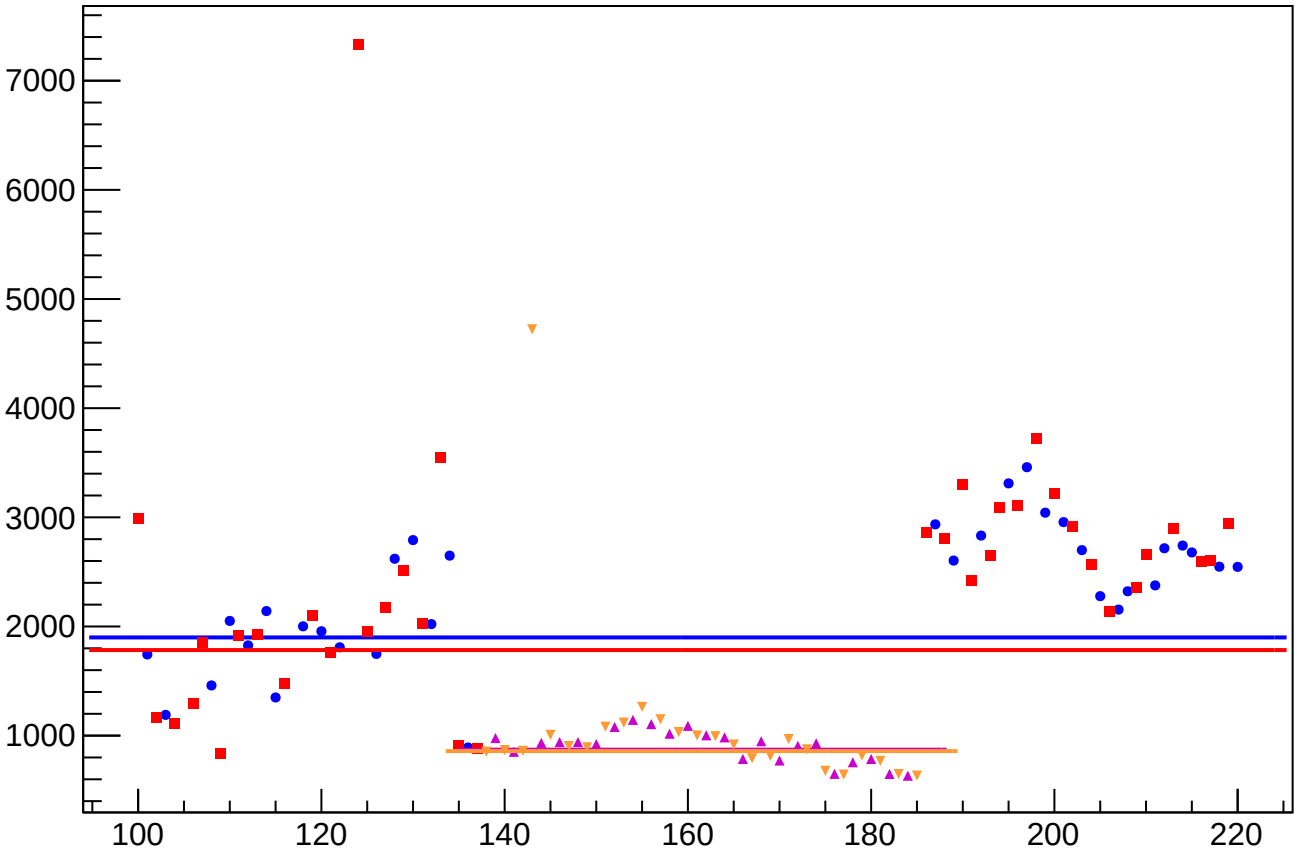
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 138.506+/-308.229 χ^2/NDF: 98.0/69

In: 95.642+/-187.549 χ^2/NDF:81.6/55

Out: 416.694+/-182.283 χ^2/NDF:104.4/61

All: 260.738+/-130.716 χ^2/NDF: 187.6/117



Right In: 1899.725+/-0.315 χ^2/NDF: 5587567.4/32

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1783.933+/-0.301 χ^2/NDF: 7592018.4/36

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

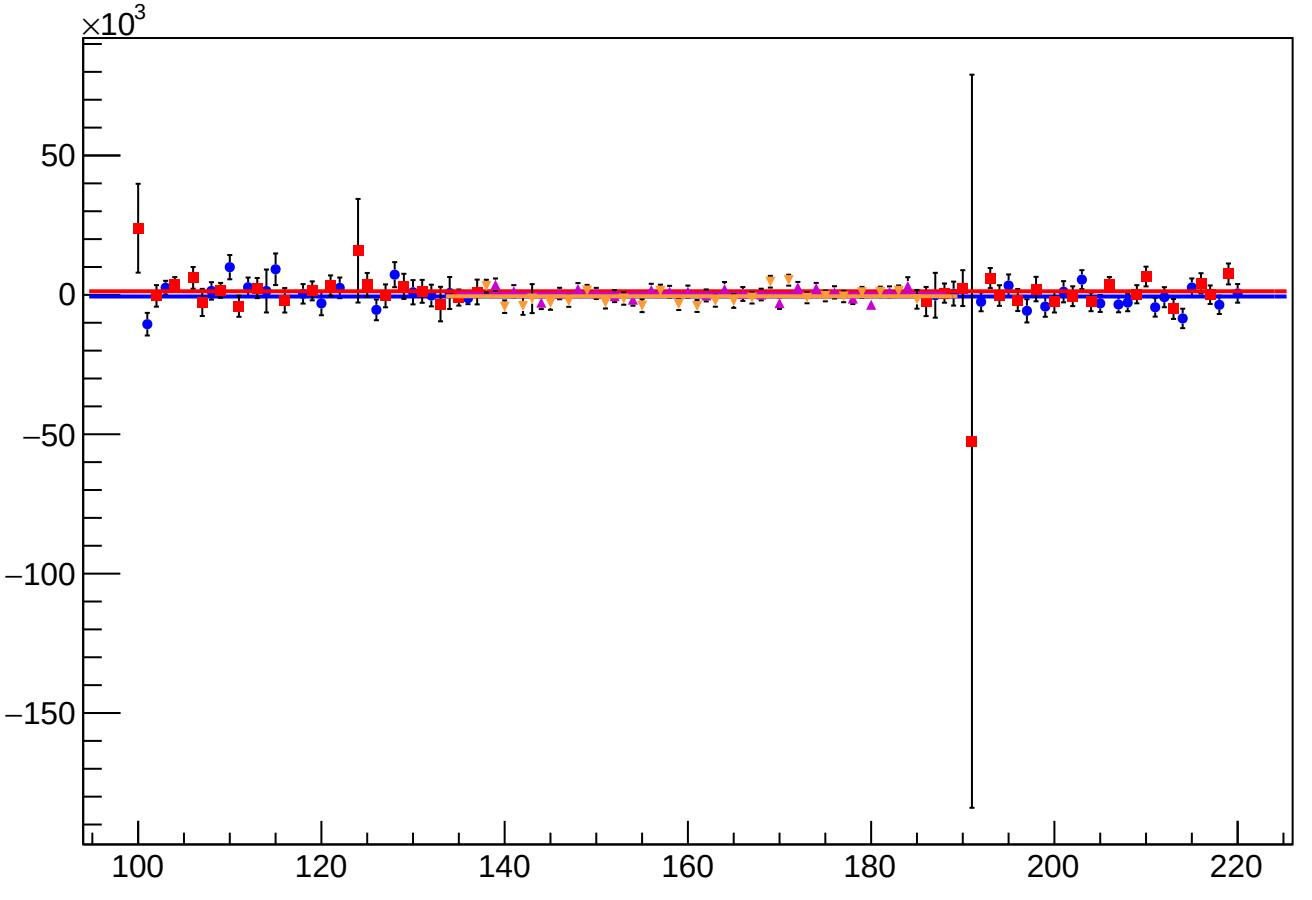
Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

Right: 1839.209+/-0.218 χ^2/NDF: 13250005.4/69

In: 1053.252+/-0.133 χ^2/NDF:15313357.0/55

Out: 1027.731+/-0.129 χ^2/NDF:17570469.2/61

All: 1040.128+/-0.092 χ^2/NDF: 32902868.8/



Right In: -586.236+/-622.683 χ^2/NDF: 41.6/32

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1285.934+/-627.049 χ^2/NDF: 26.5/36

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

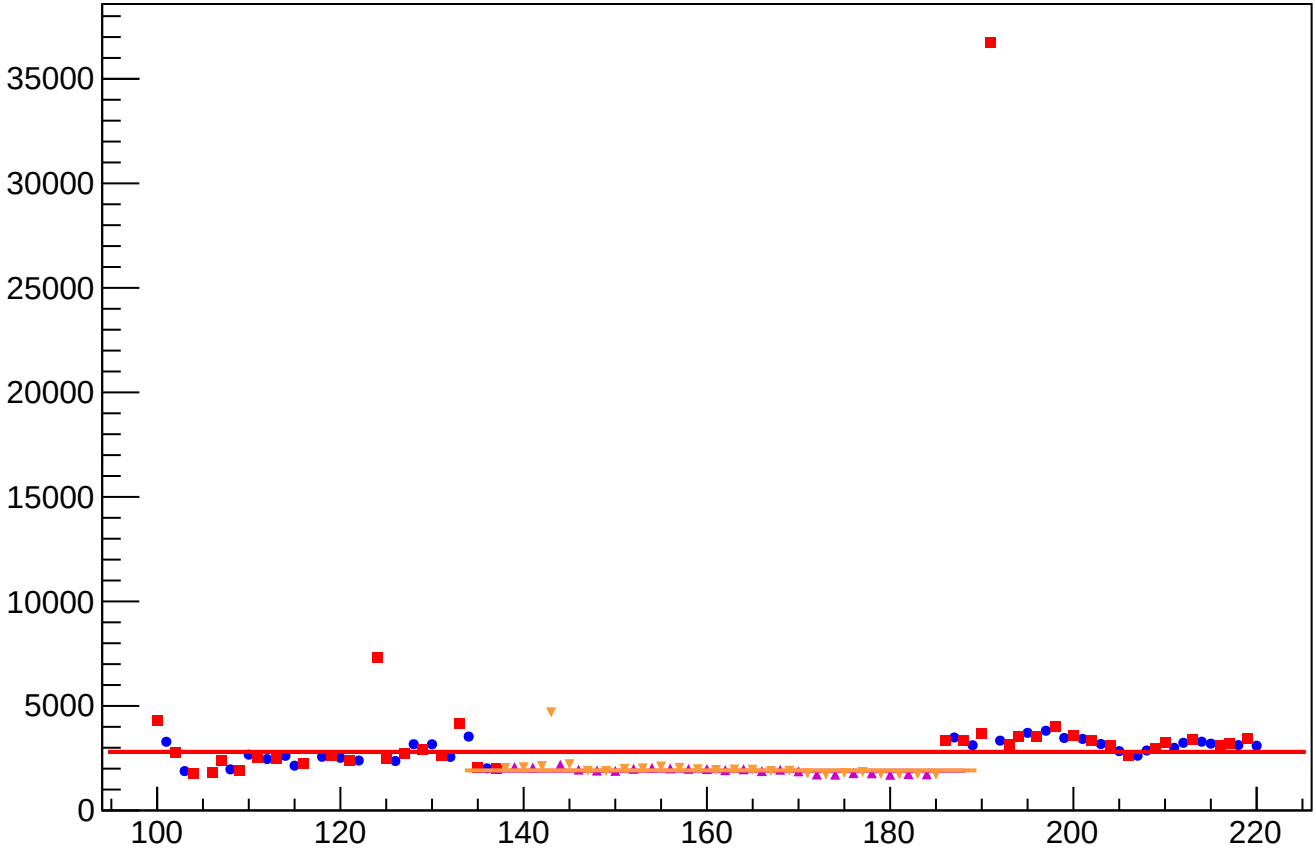
Right: 343.308+/-441.839 χ^2/NDF: 72.6/69

In: 74.511+/-361.819 χ^2/NDF:62.2/55

Out: 88.067+/-360.128 χ^2/NDF:67.9/61

All: 81.321+/-255.245 χ^2/NDF: 130.1/117

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2800.853+/-0.440 χ^2/NDF: 1496565.6/32

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2801.725+/-0.443 χ^2/NDF: 2176279.3/36

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

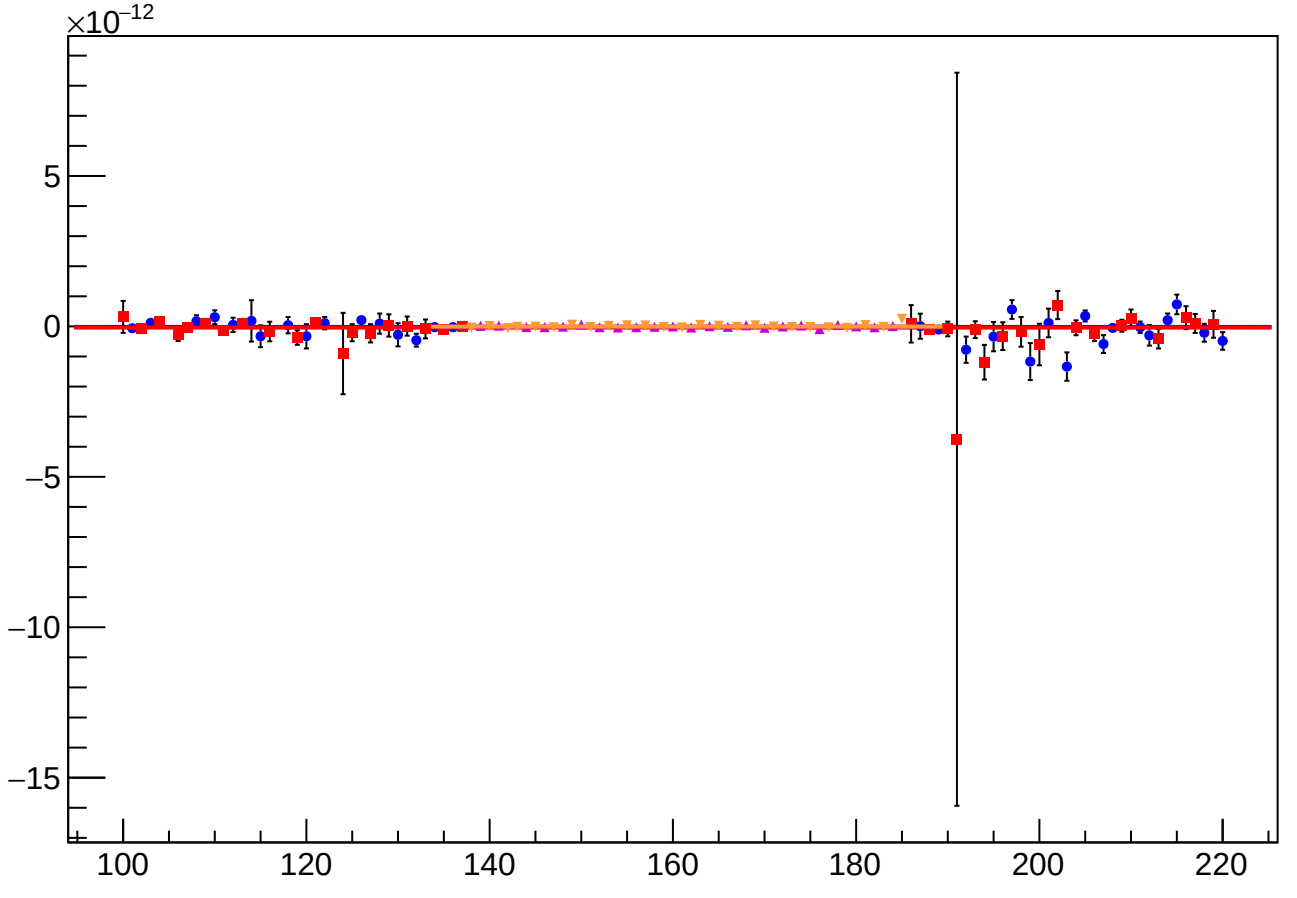
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2801.286+/-0.312 χ^2/NDF: 3672846.9/69

In: 2203.661+/-0.256 χ^2/NDF:4447274.2/55

Out: 2208.930+/-0.255 χ^2/NDF:5599927.9/61

All: 2206.308+/-0.180 χ^2/NDF: 10047415.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 51.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/36

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

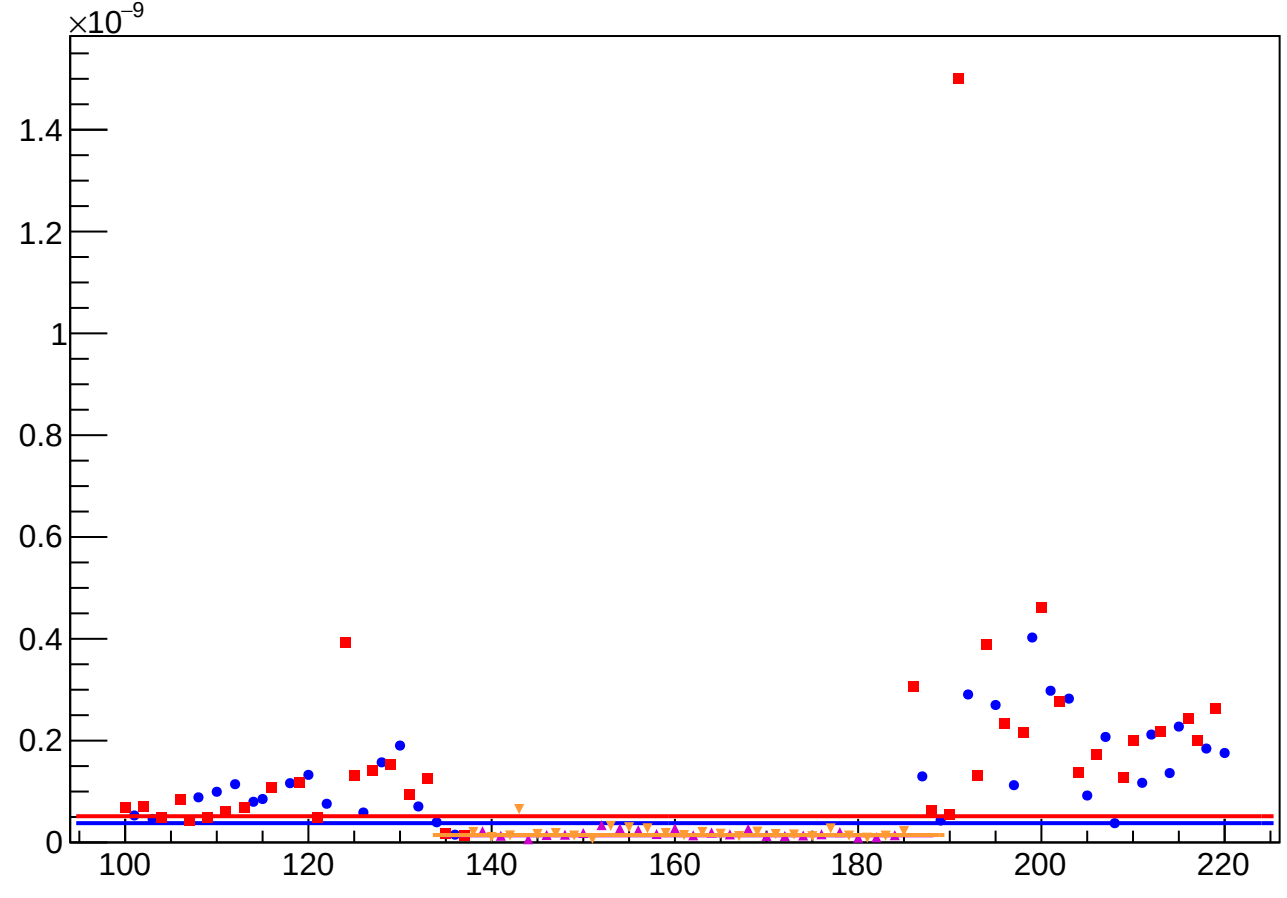
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 78.9/69

In: -0.000+/-0.000 χ^2/NDF:76.3/55

Out: -0.000+/-0.000 χ^2/NDF:57.5/61

All: -0.000+/-0.000 χ^2/NDF: 133.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 10037749.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9364314.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

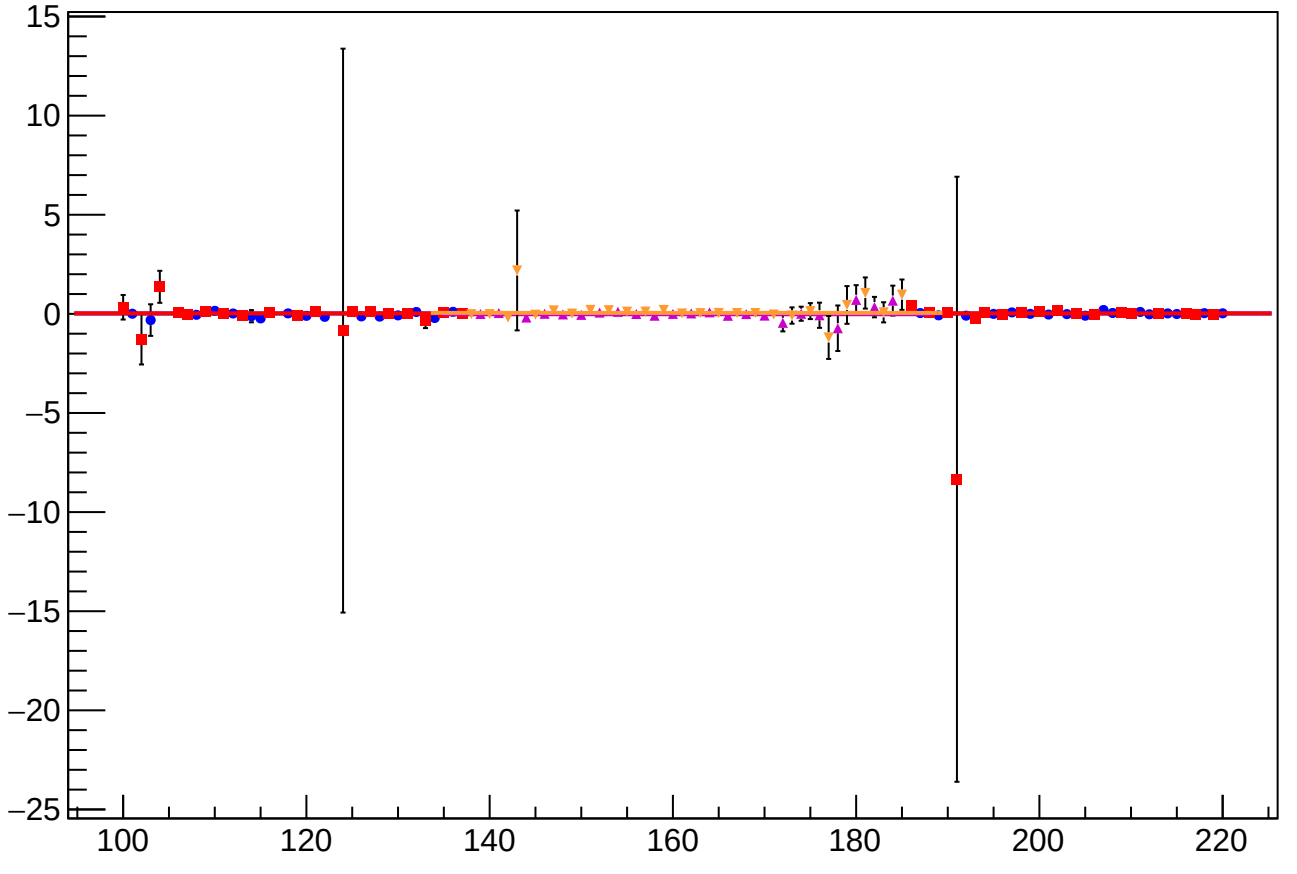
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 19739853.8/69

In: 0.000+/-0.000 χ^2/NDF:14470269.1/55

Out: 0.000+/-0.000 χ^2/NDF:15108144.2/61

All: 0.000+/-0.000 χ^2/NDF: 29591767.7/117



Right In: 0.019+/-0.015 χ^2/NDF: 30.7/32

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

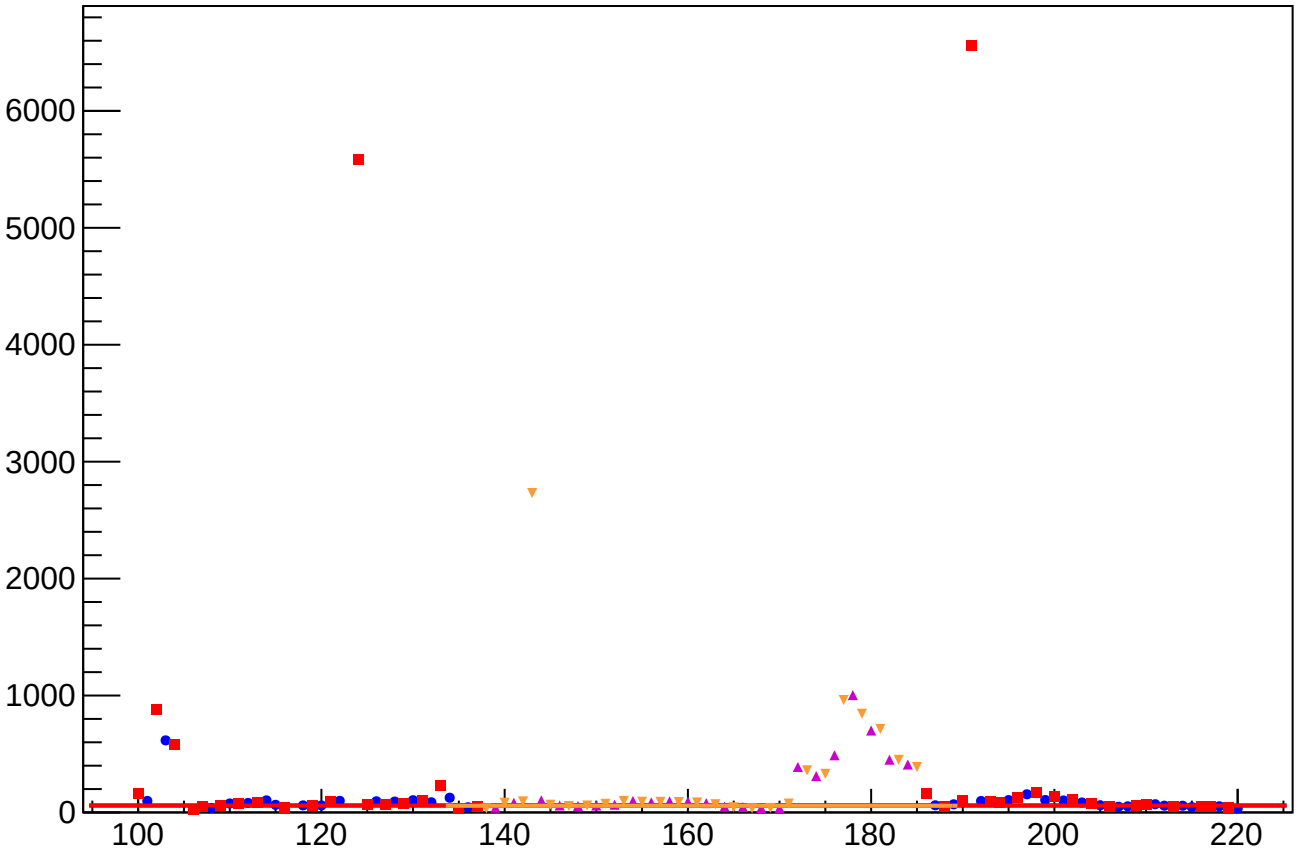
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.011 χ^2/NDF: 59.4/69

In: 0.003+/-0.011 χ^2/NDF:49.0/55

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.6/117



Right In: 59.578+/-0.010 χ^2/NDF: 5407564.7/32

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

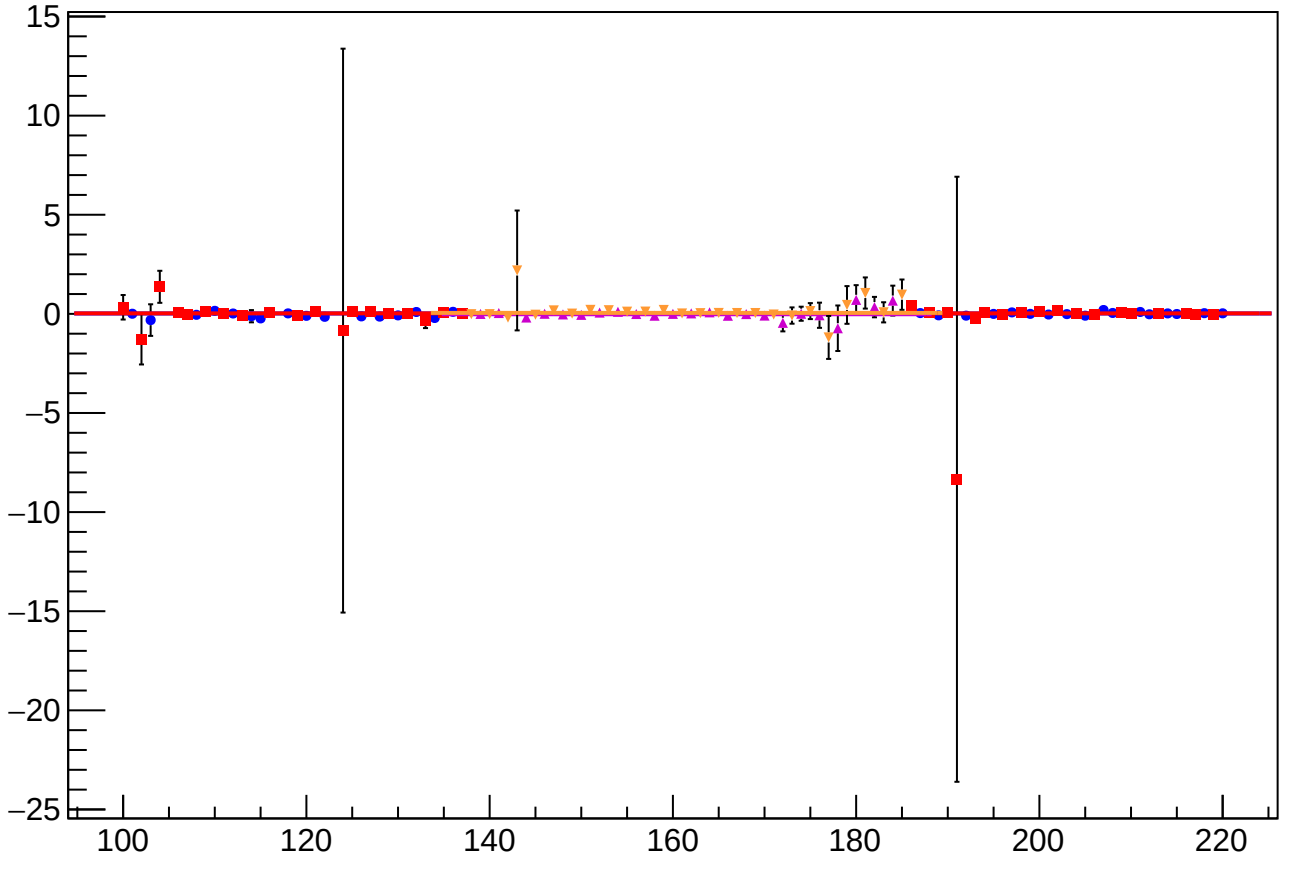
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 59.308+/-0.007 χ^2/NDF: 12958899.5/69

In: 59.152+/-0.008 χ^2/NDF:15659112.7/55

Out: 58.255+/-0.008 χ^2/NDF:19884153.2/61

All: 58.706+/-0.006 χ^2/NDF: 35549646.7/117



Right In: 0.019+/-0.015 χ^2/NDF: 30.7/32

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

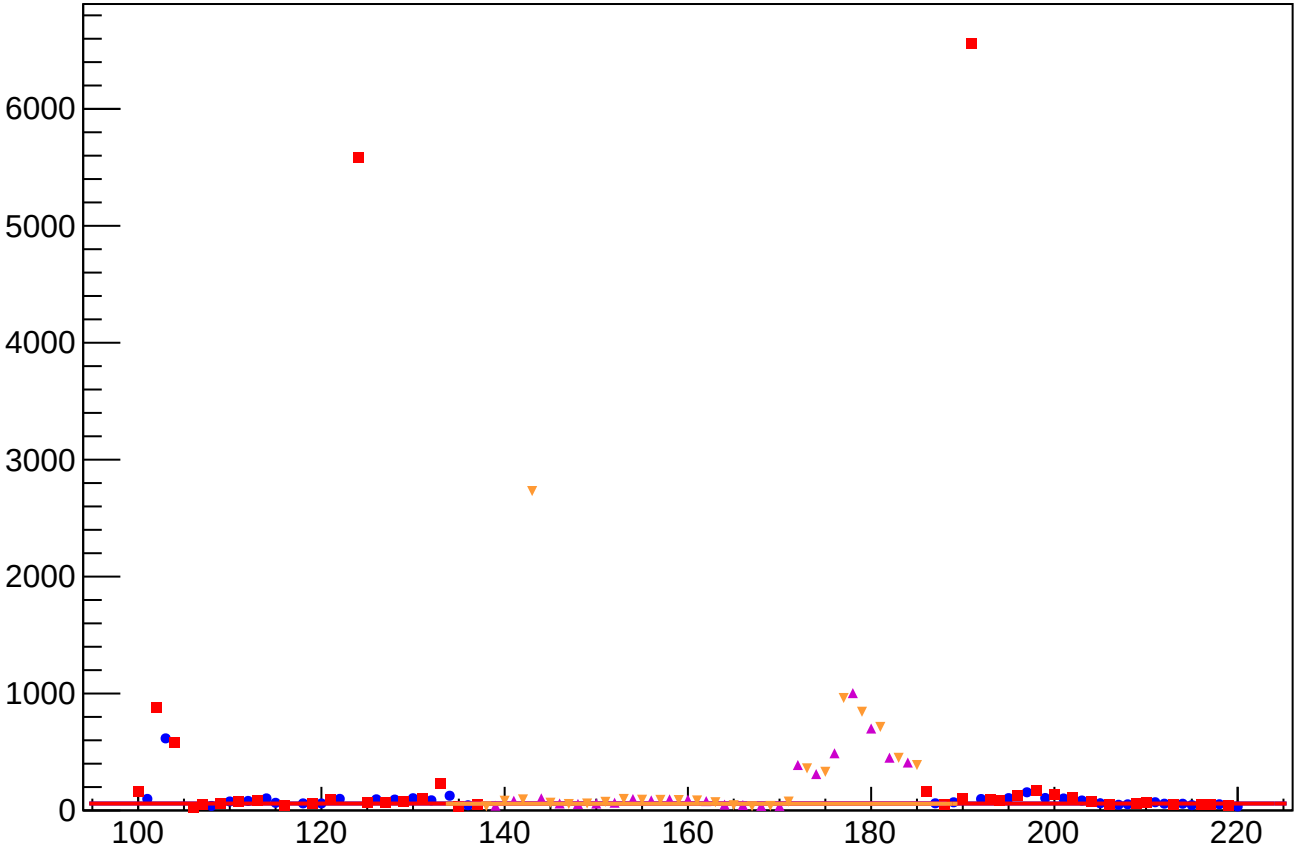
Right: 0.022+/-0.011 χ^2/NDF: 59.4/69

In: 0.003+/-0.011 χ^2/NDF:49.0/55

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.6/117

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.578+/-0.010 χ^2/NDF: 5407564.7/32

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

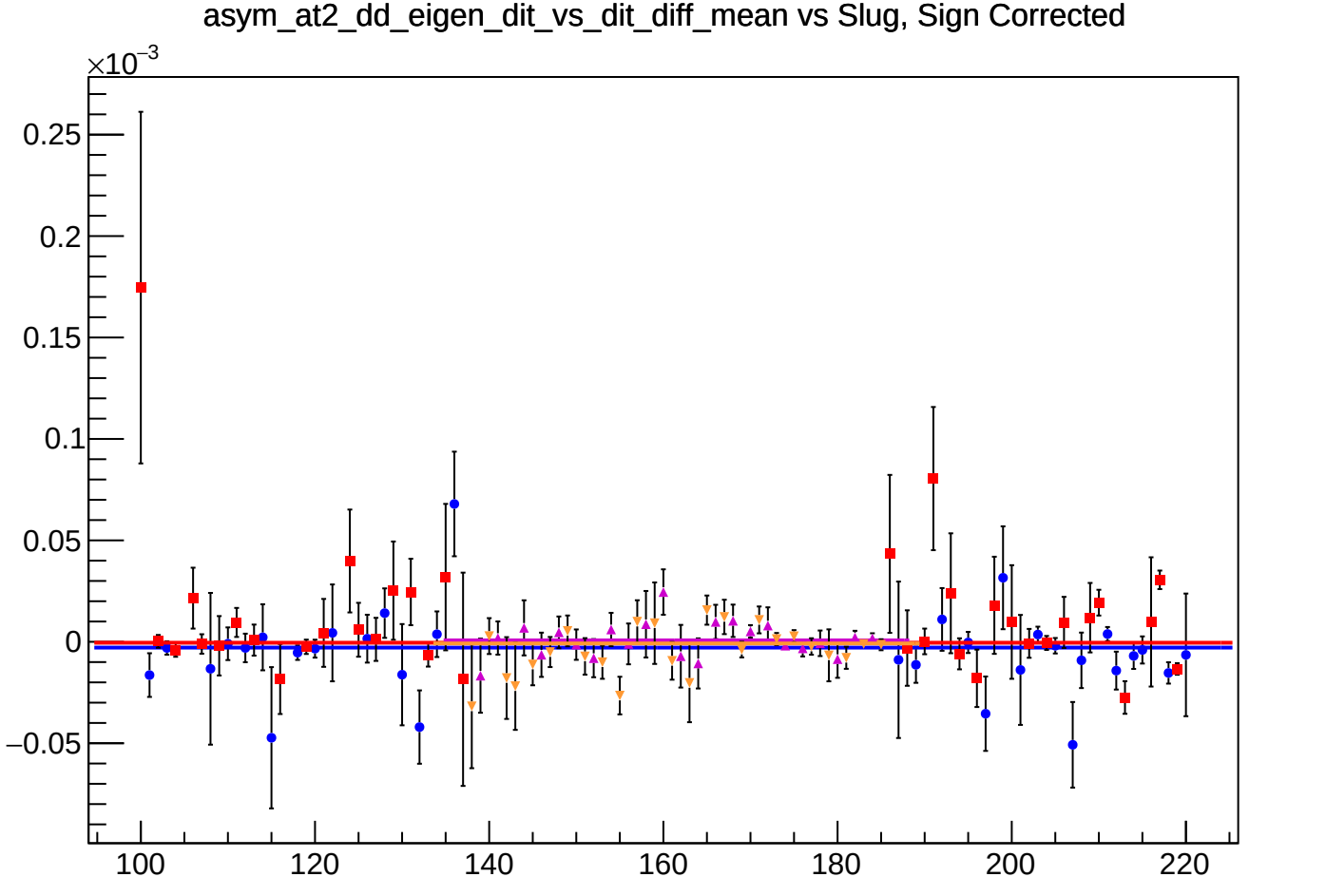
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 59.308+/-0.007 χ^2/NDF: 12958899.5/69

In: 59.152+/-0.008 χ^2/NDF:15659112.7/55

Out: 58.255+/-0.008 χ^2/NDF:19884153.2/61

All: 58.706+/-0.006 χ^2/NDF: 35549646.7/117



Right In: -0.000+/-0.000 χ^2/NDF: 45.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 118.0/36

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

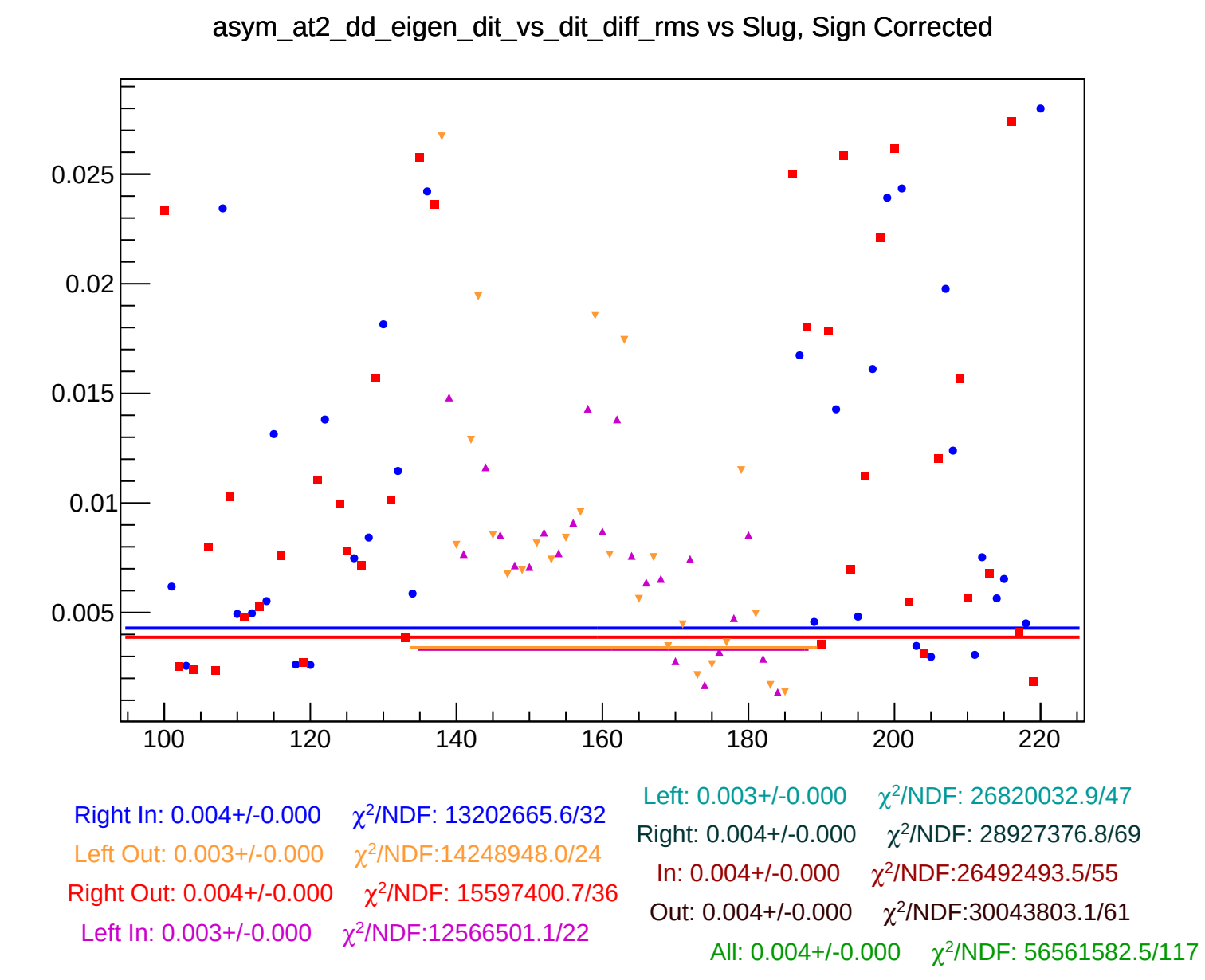
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 165.7/69

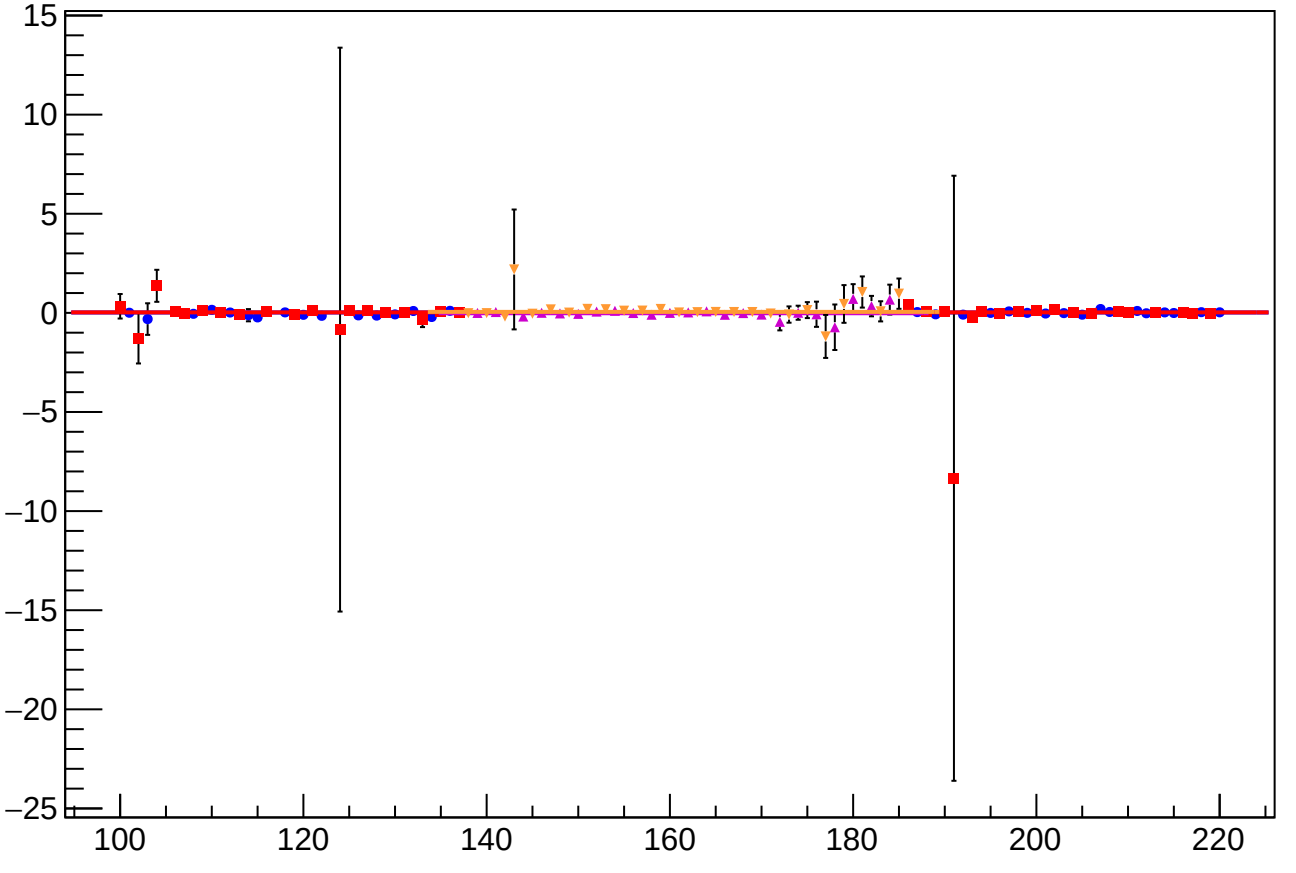
In: -0.000+/-0.000 χ^2/NDF:69.4/55

Out: -0.000+/-0.000 χ^2/NDF:150.8/61

All: -0.000+/-0.000 χ^2/NDF: 220.2/117


asym_at2_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
200
220
Right In: 0.004+/-0.000 χ²/NDF: 13202665.6/32
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 15597400.7/36
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
Left: 0.003+/-0.000 χ²/NDF: 26820032.9/47
Right: 0.004+/-0.000 χ²/NDF: 28927376.8/69
In: 0.004+/-0.000 χ²/NDF:26492493.5/55
Out: 0.004+/-0.000 χ²/NDF:30043803.1/61
All: 0.004+/-0.000 χ²/NDF: 56561582.5/117

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 30.8/32

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

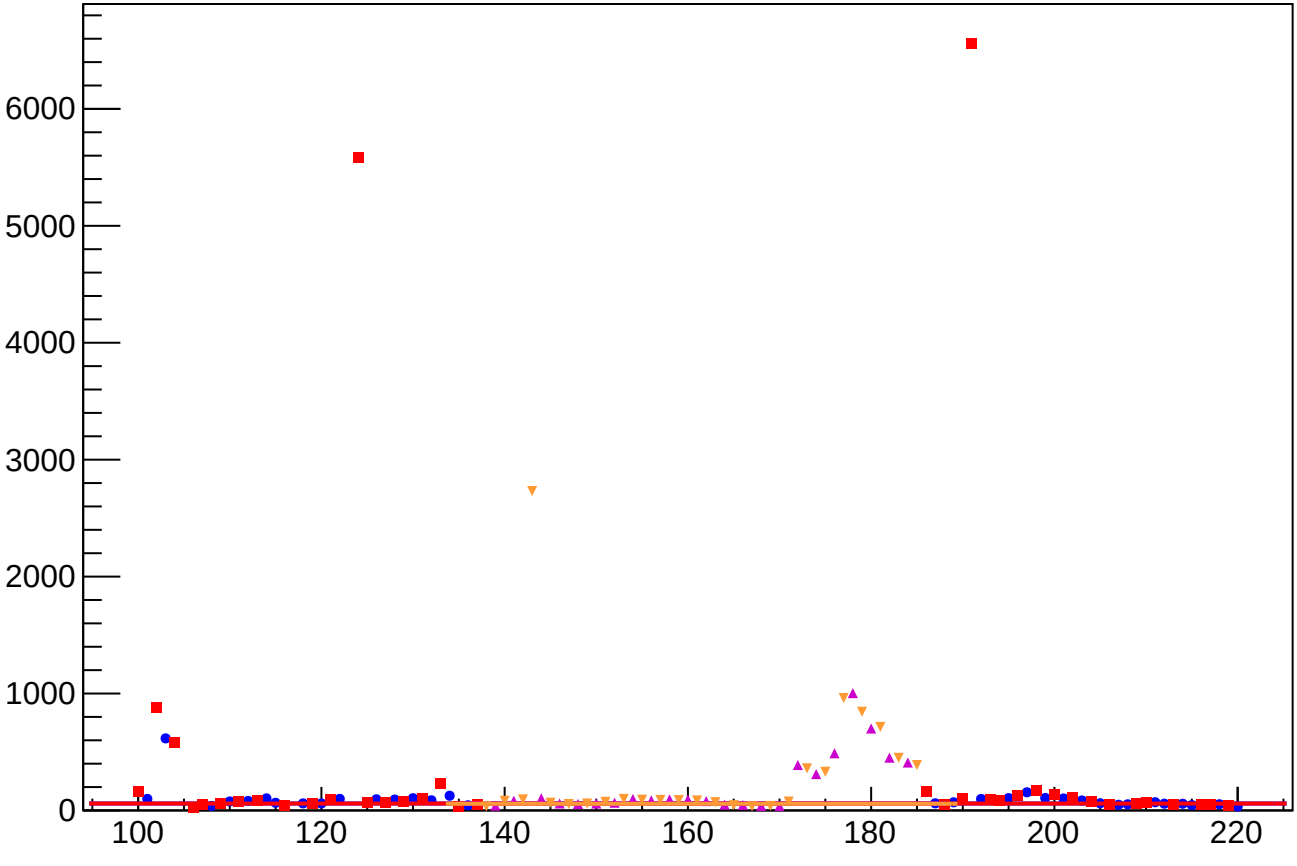
Right: 0.022+/-0.011 χ^2/NDF: 59.4/69

In: 0.003+/-0.011 χ^2/NDF:49.0/55

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.6/117

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.591+/-0.010 χ^2/NDF: 5402792.5/32

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

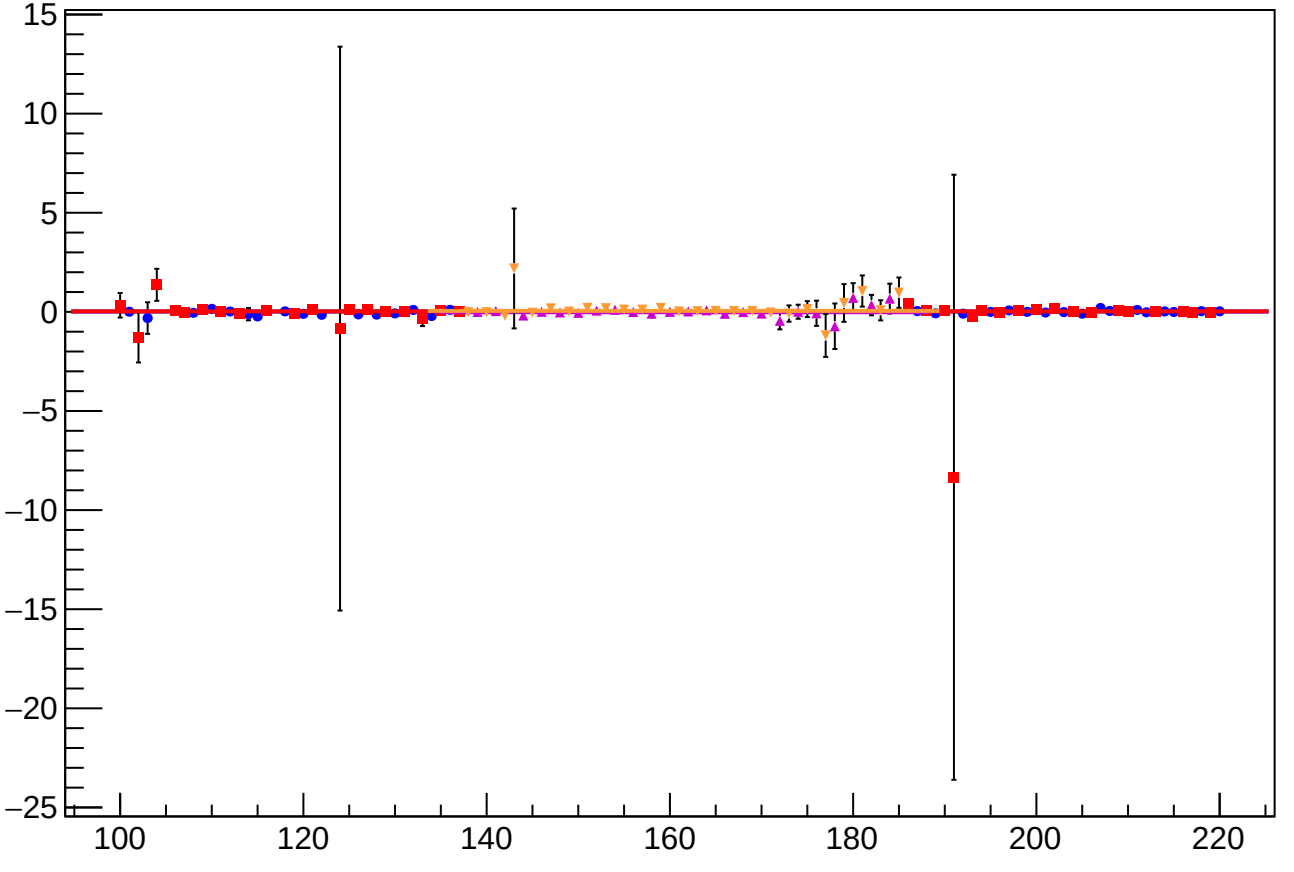
Right: 59.313+/-0.007 χ^2/NDF: 12955043.3/69

In: 59.160+/-0.008 χ^2/NDF:15653917.1/55

Out: 58.253+/-0.008 χ^2/NDF:19884724.9/61

All: 58.710+/-0.006 χ^2/NDF: 35545166.8/117

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 30.8/32

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.025+/-0.015 χ^2/NDF: 28.6/36

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

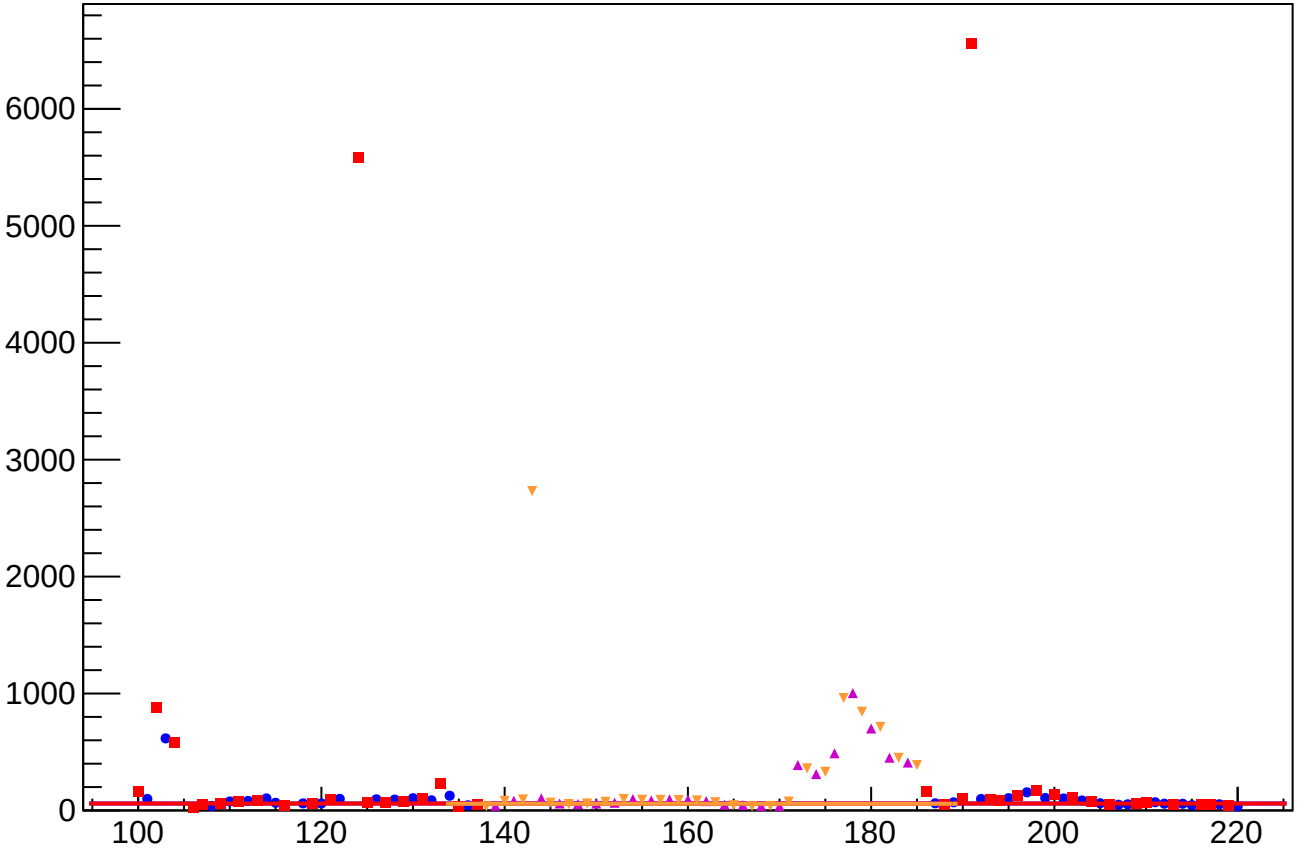
Right: 0.022+/-0.011 χ^2/NDF: 59.4/69

In: 0.003+/-0.011 χ^2/NDF:49.0/55

Out: 0.036+/-0.011 χ^2/NDF:54.2/61

All: 0.019+/-0.008 χ^2/NDF: 107.6/117

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.591+/-0.010 χ^2/NDF: 5402792.5/32

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

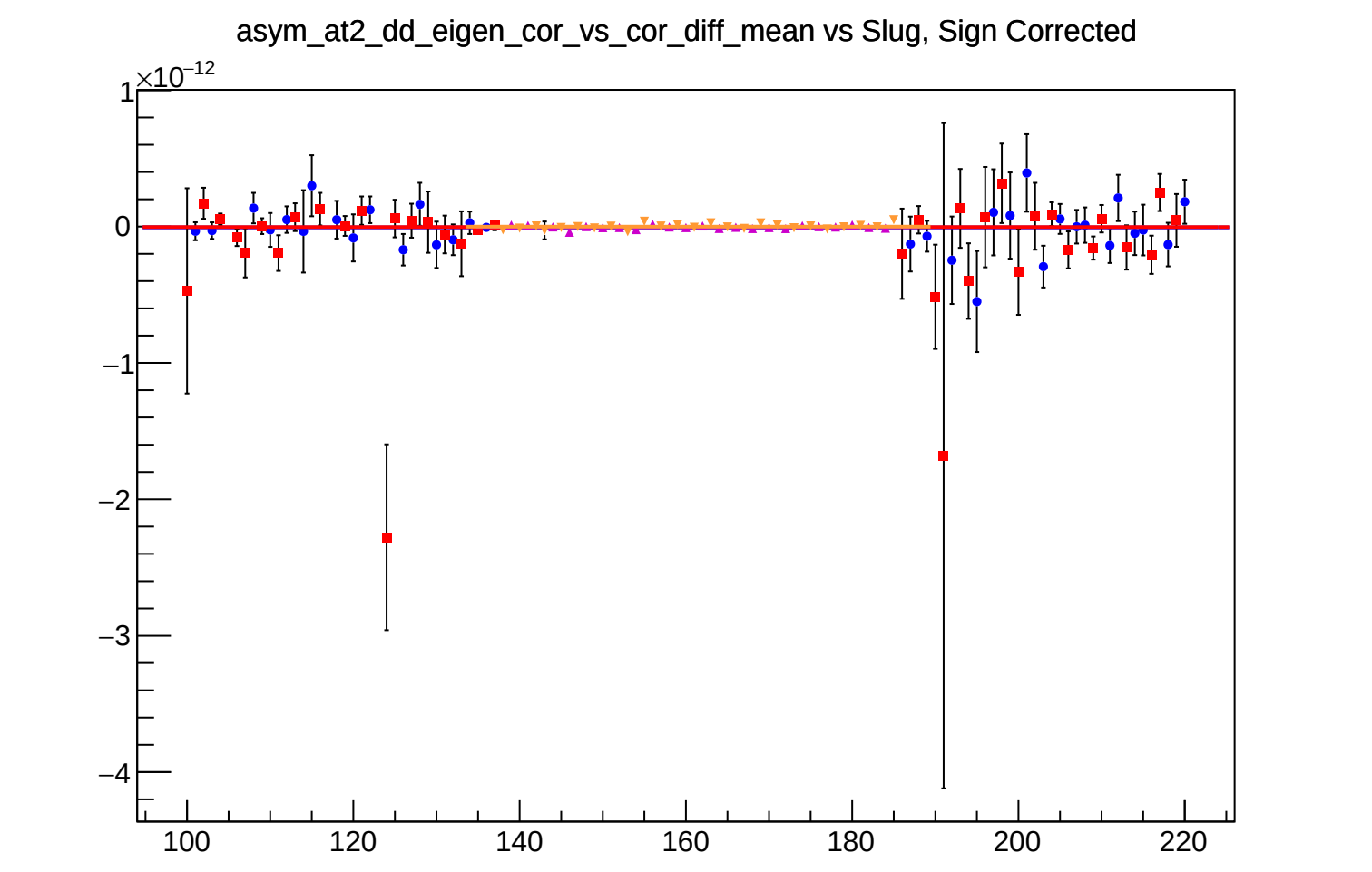
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 59.313+/-0.007 χ^2/NDF: 12955043.3/69

In: 59.160+/-0.008 χ^2/NDF:15653917.1/55

Out: 58.253+/-0.008 χ^2/NDF:19884724.9/61

All: 58.710+/-0.006 χ^2/NDF: 35545166.8/117



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.6/36

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

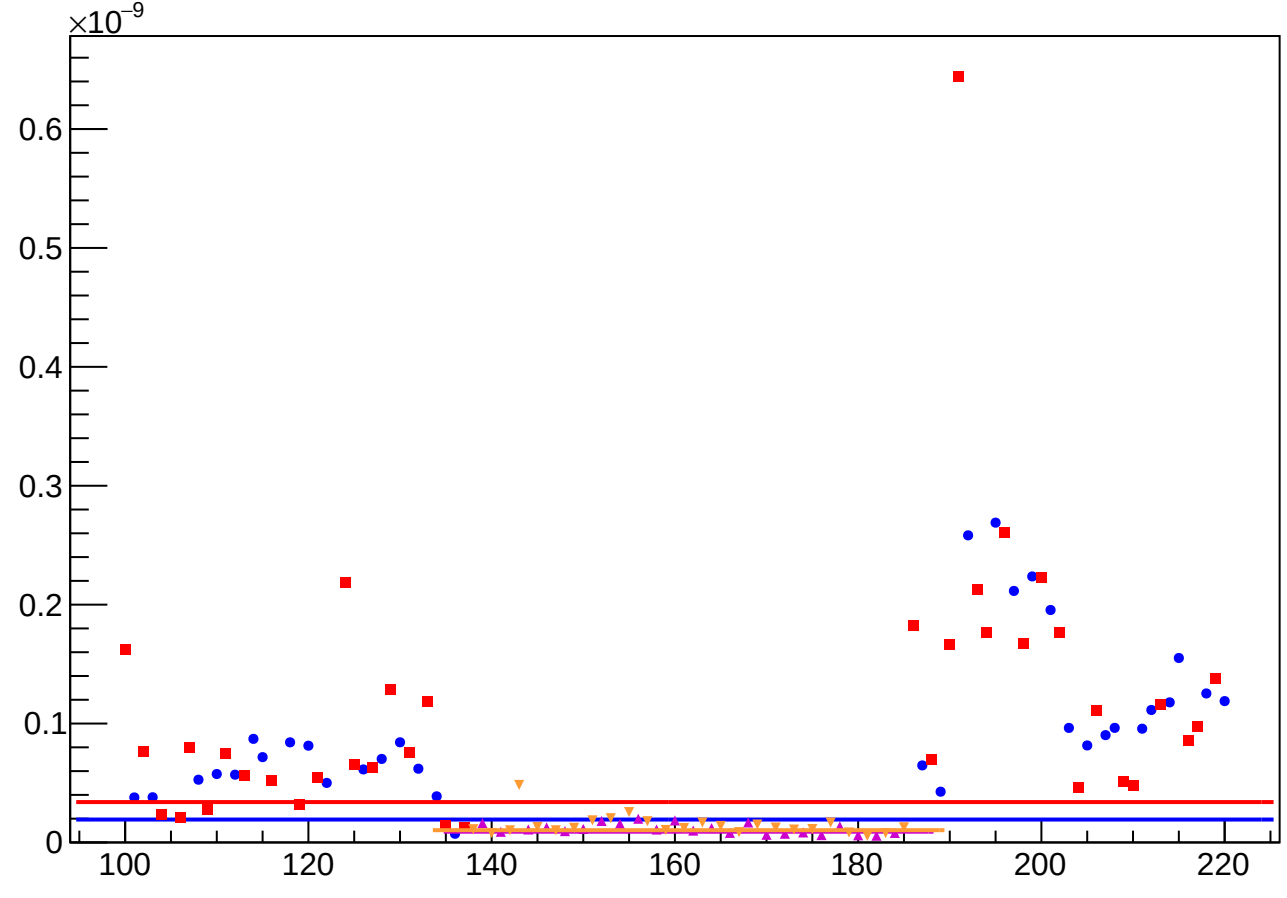
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 70.7/69

In: -0.000+/-0.000 χ^2/NDF:40.6/55

Out: -0.000+/-0.000 χ^2/NDF:64.5/61

All: -0.000+/-0.000 χ^2/NDF: 105.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 17473388.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11774920.1/36

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

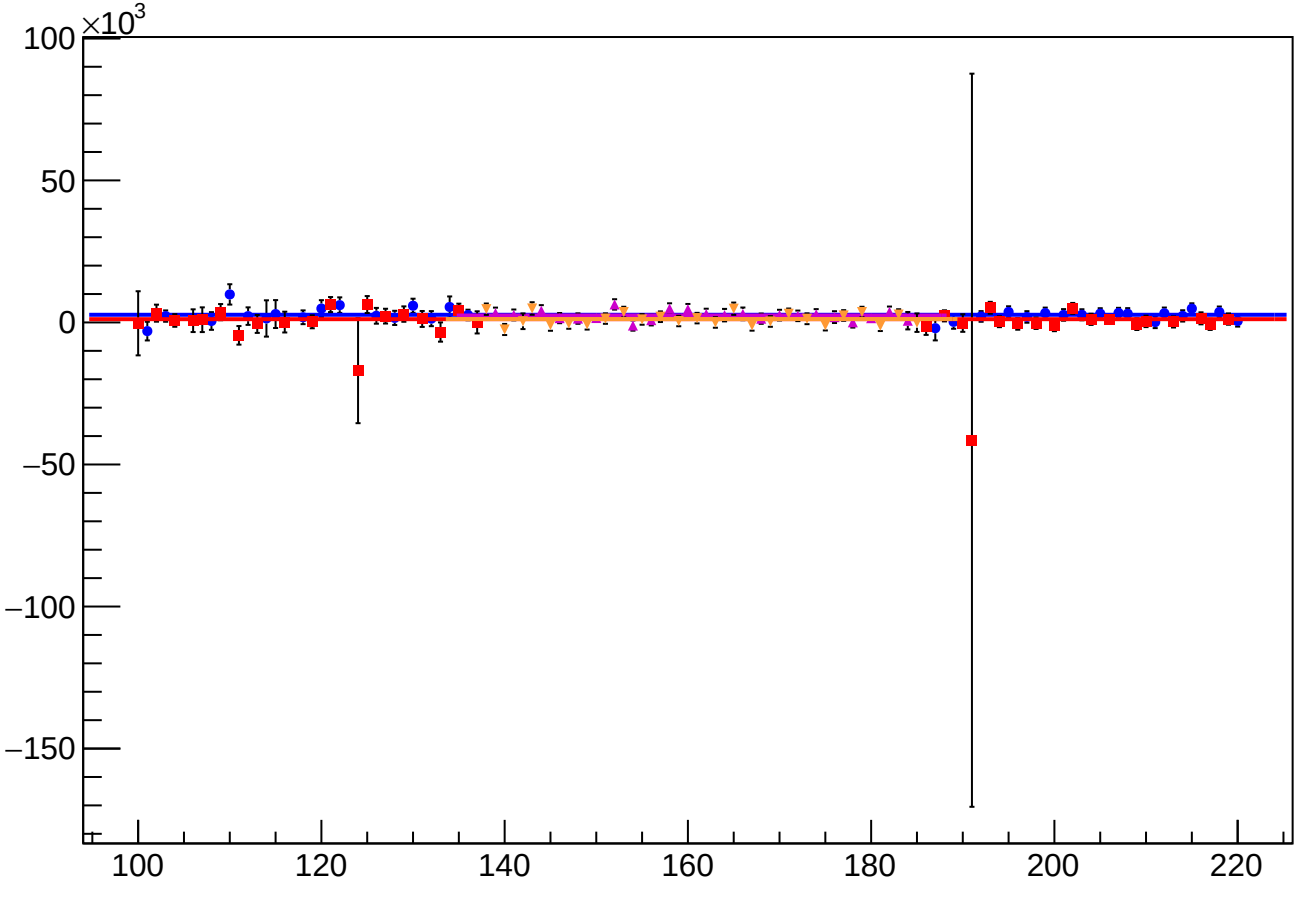
Right: 0.000+/-0.000 χ^2/NDF: 30732184.8/69

In: 0.000+/-0.000 χ^2/NDF:22480462.4/55

Out: 0.000+/-0.000 χ^2/NDF:20969251.7/61

All: 0.000+/-0.000 χ^2/NDF: 43759884.2/117

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2695.910+/-400.805 χ^2/NDF: 20.0/32

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1150.591+/-405.234 χ^2/NDF: 30.1/36

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

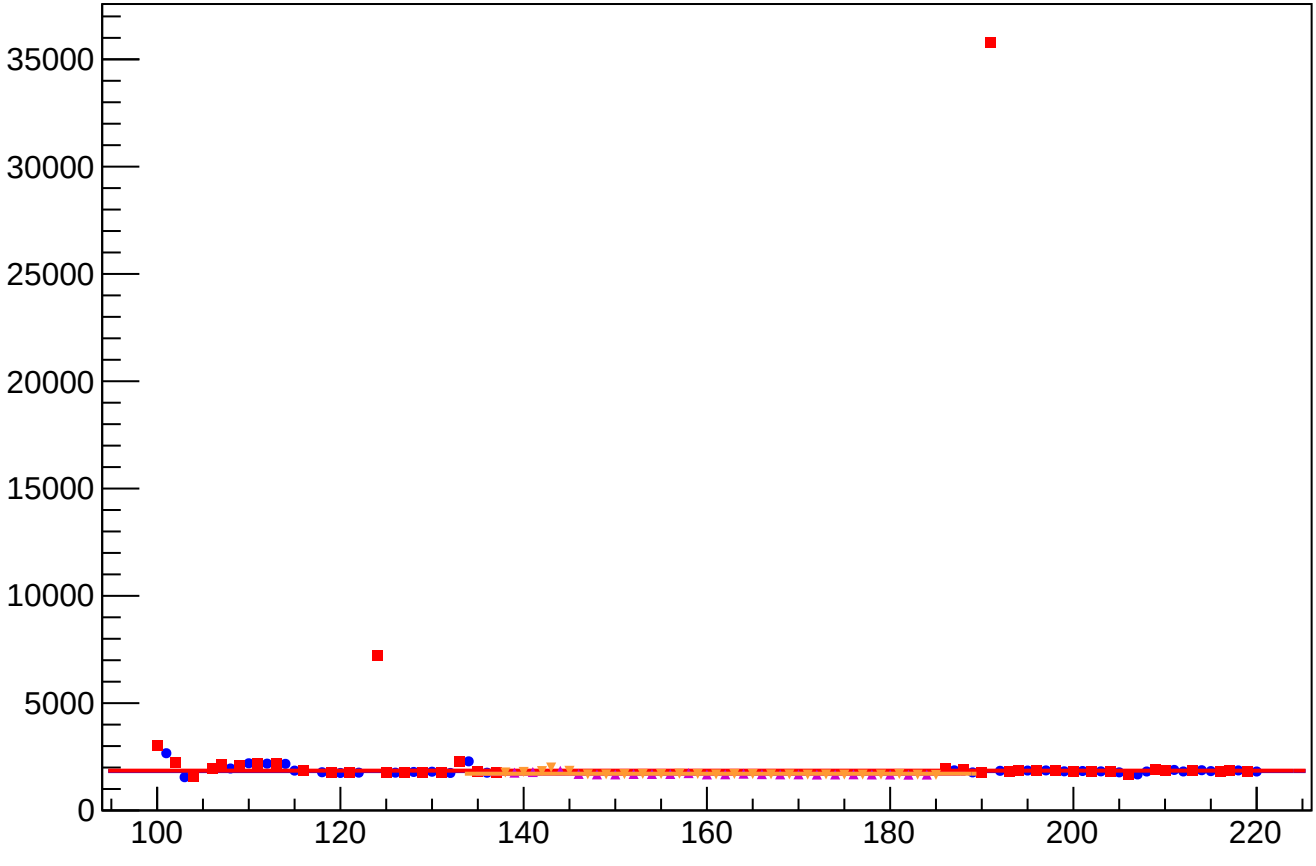
Right: 1931.742+/-284.965 χ^2/NDF: 57.5/69

In: 2566.547+/-282.404 χ^2/NDF:37.7/55

Out: 1177.546+/-280.679 χ^2/NDF:56.4/61

All: 1867.793+/-199.077 χ^2/NDF: 106.3/117

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1833.776+/-0.283 χ^2/NDF: 287619.8/32

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.684+/-0.286 χ^2/NDF: 544522.5/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

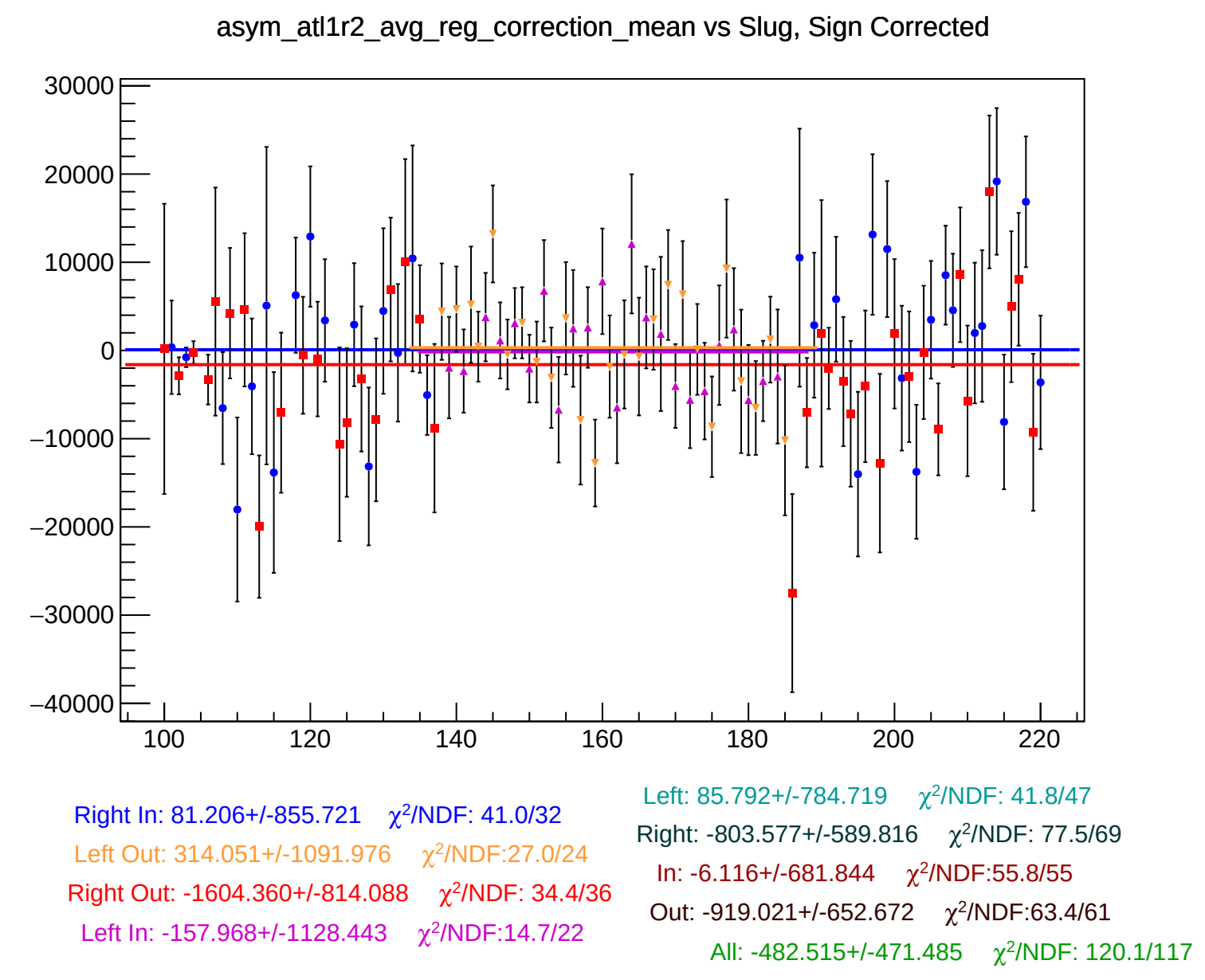
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

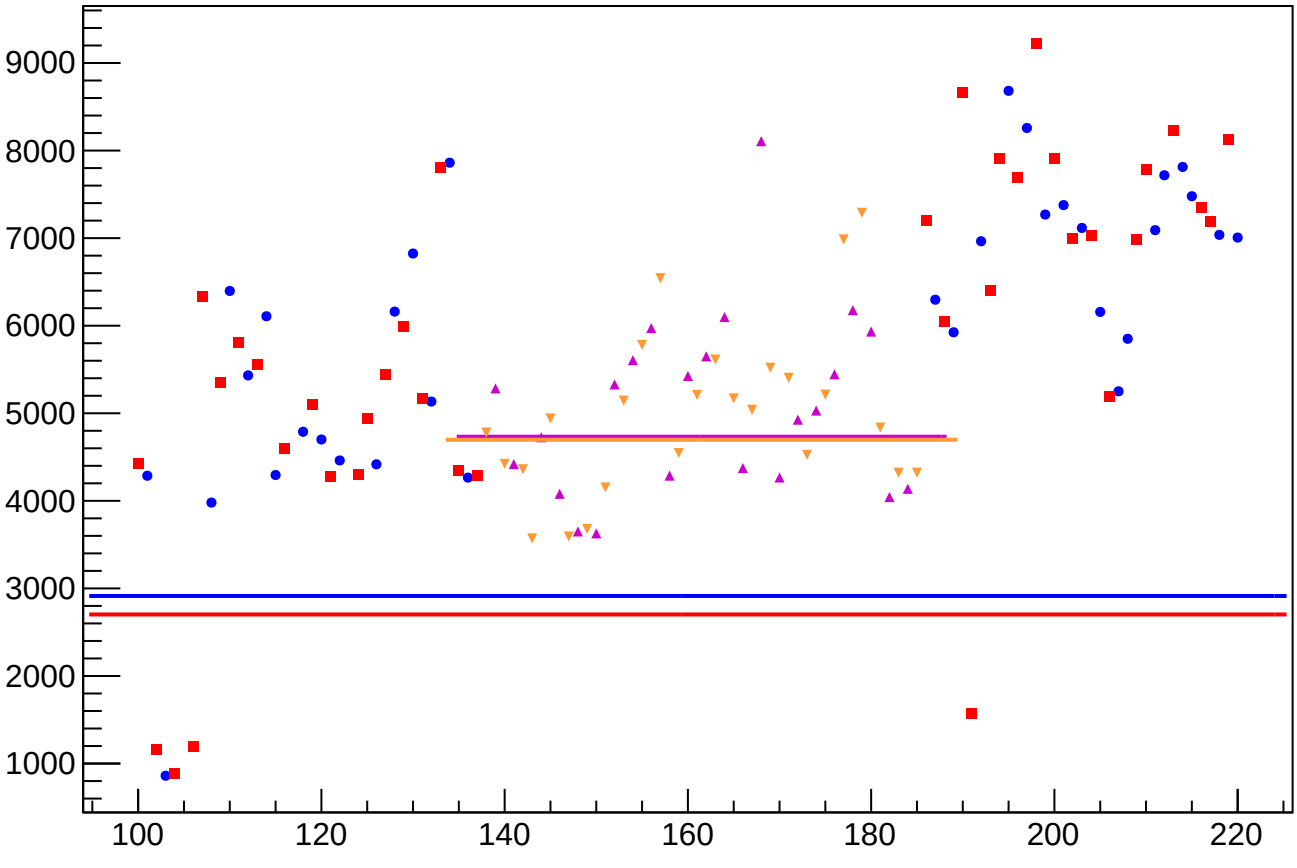
Right: 1844.123+/-0.201 χ^2/NDF: 834835.7/69

In: 1768.412+/-0.200 χ^2/NDF:415823.0/55

Out: 1780.390+/-0.198 χ^2/NDF:734097.2/61

All: 1774.440+/-0.141 χ^2/NDF: 1151730.9/11


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 81.206+/-855.721 χ²/NDF: 41.0/32
Left Out: 314.051+/-1091.976 χ²/NDF:27.0/24
Right Out: -1604.360+/-814.088 χ²/NDF: 34.4/36
Left In: -157.968+/-1128.443 χ²/NDF:14.7/22
Left: 85.792+/-784.719 χ²/NDF: 41.8/47
Right: -803.577+/-589.816 χ²/NDF: 77.5/69
In: -6.116+/-681.844 χ²/NDF:55.8/55
Out: -919.021+/-652.672 χ²/NDF:63.4/61
All: -482.515+/-471.485 χ²/NDF: 120.1/117



Right In: 2913.723+/-0.605 χ^2/NDF: 18569942.8/32

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2702.535+/-0.576 χ^2/NDF: 19416695.6/36

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

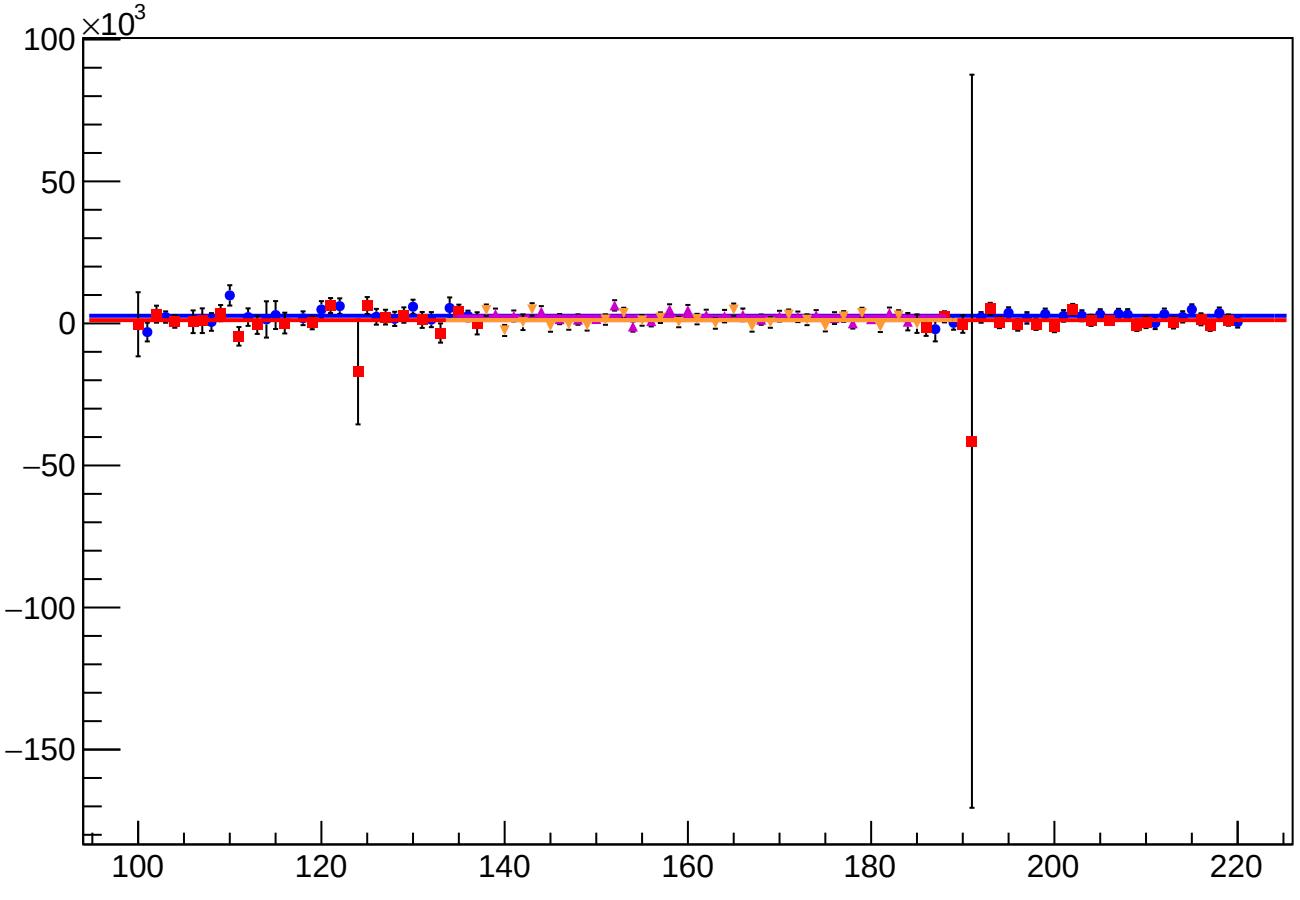
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2802.867+/-0.417 χ^2/NDF: 38050582.1/69

In: 3577.730+/-0.482 χ^2/NDF:23111102.4/55

Out: 3415.265+/-0.462 χ^2/NDF:24947229.3/61

All: 3492.947+/-0.333 χ^2/NDF: 48117586.5/1



Right In: 2696.003+/-400.805 χ^2/NDF: 20.0/32

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1150.192+/-405.234 χ^2/NDF: 30.1/36

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

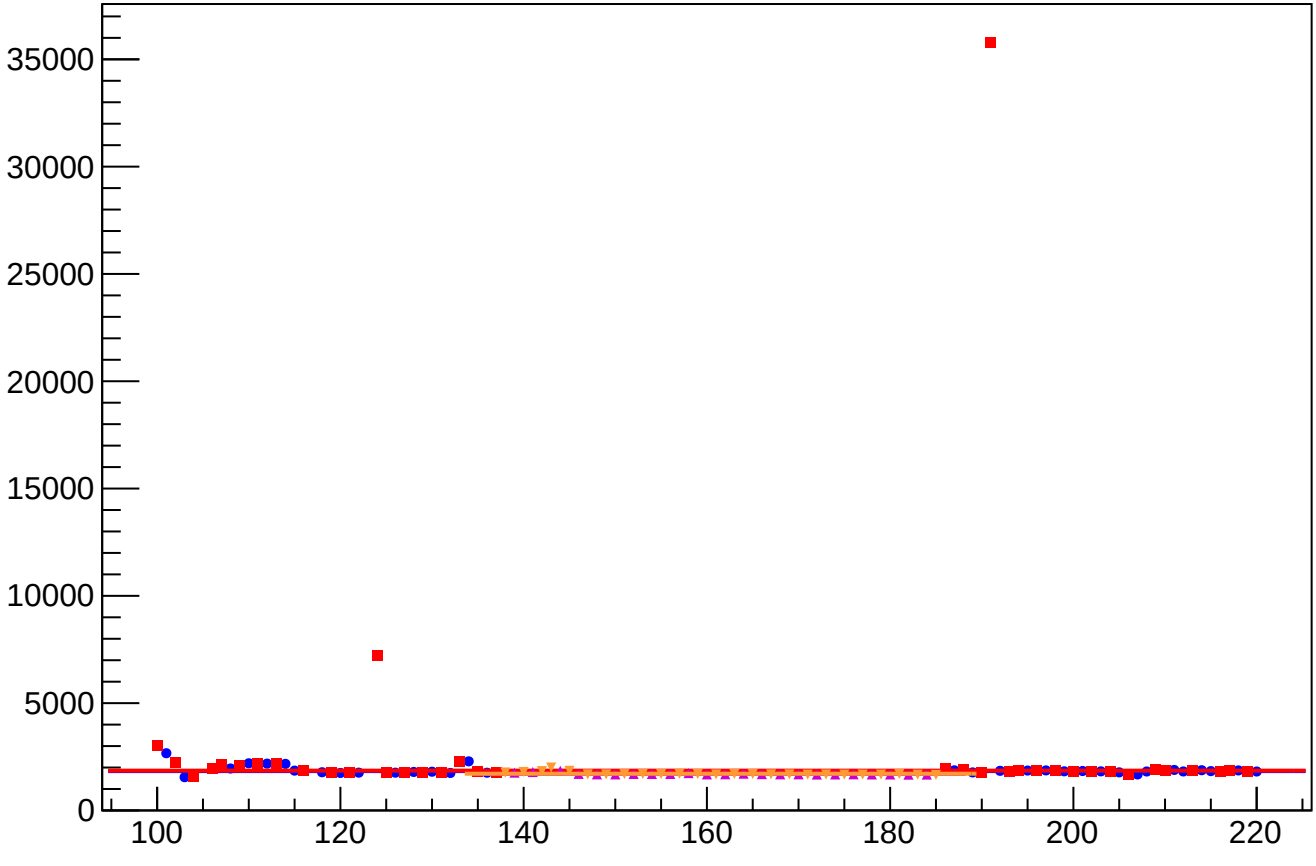
Right: 1931.592+/-284.965 χ^2/NDF: 57.5/69

In: 2566.559+/-282.404 χ^2/NDF:37.7/55

Out: 1177.304+/-280.679 χ^2/NDF:56.4/61

All: 1867.677+/-199.077 χ^2/NDF: 106.4/117

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1833.776+/-0.283 χ^2/NDF: 287619.7/32

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

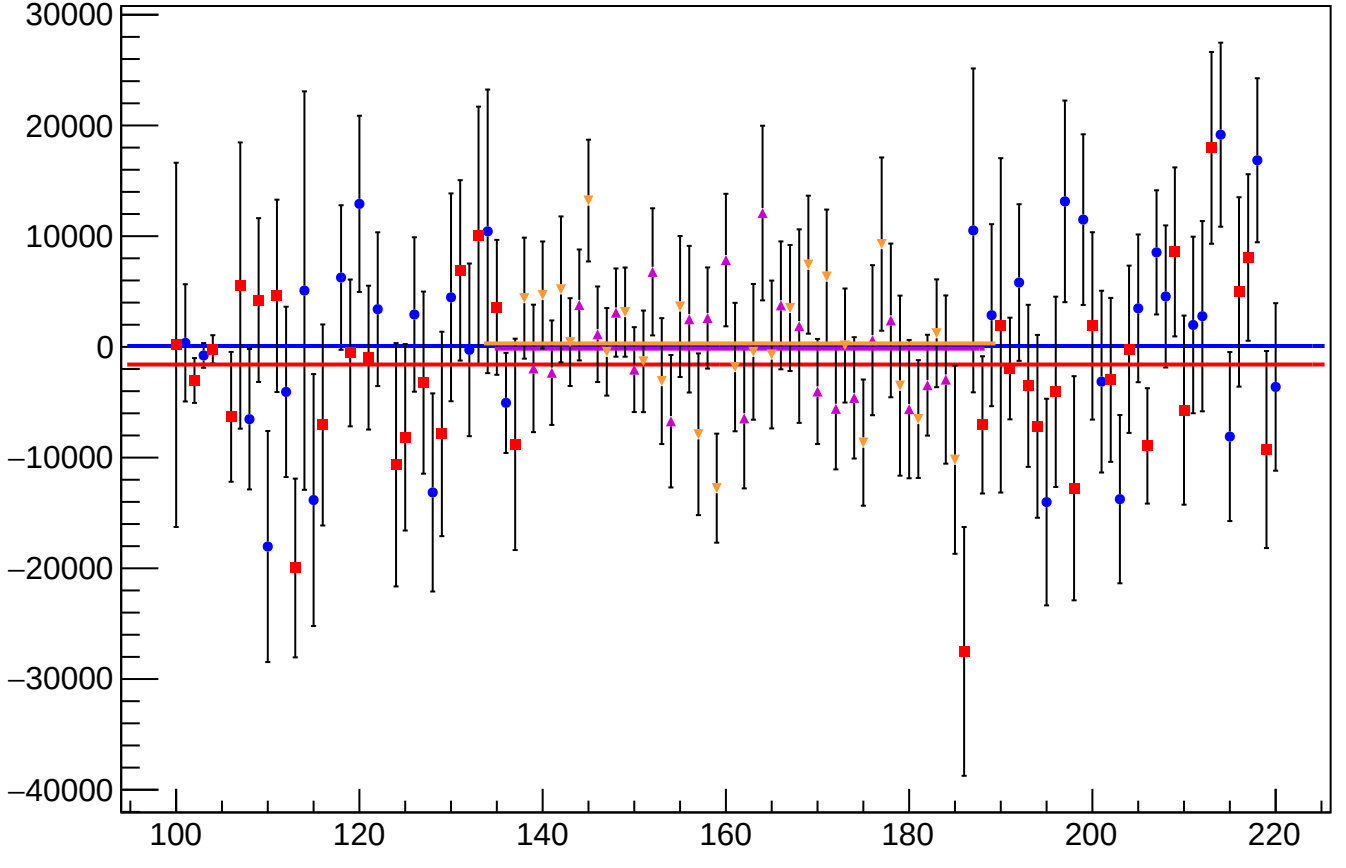
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.194+/-0.201 χ^2/NDF: 835248.2/69

In: 1768.412+/-0.200 χ^2/NDF:415822.8/55

Out: 1780.455+/-0.198 χ^2/NDF:734726.2/61

All: 1774.472+/-0.141 χ^2/NDF: 1152379.3/11



Right In: 81.516+/-855.684 χ^2/NDF: 41.0/32

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1591.994+/-836.402 χ^2/NDF: 34.8/36

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

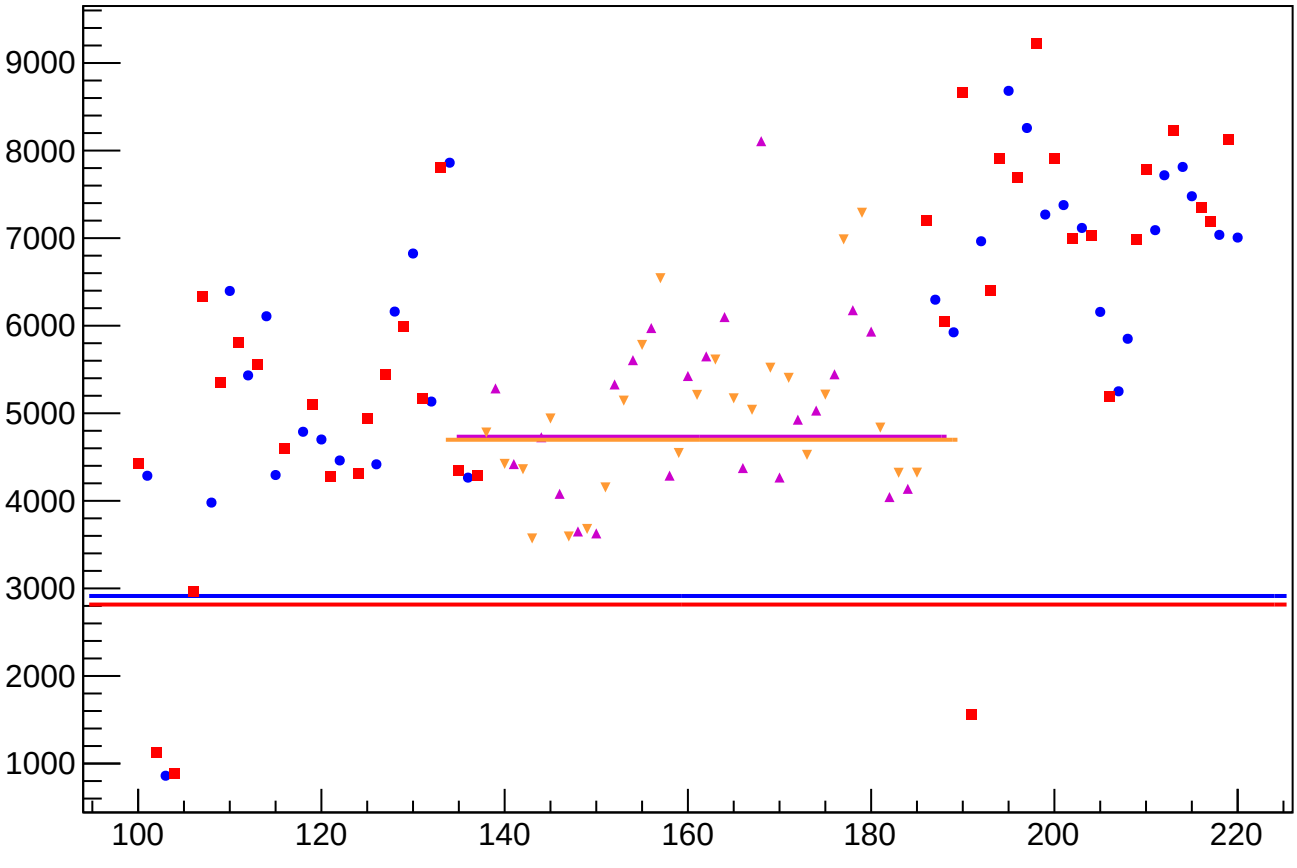
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -774.307+/-598.126 χ^2/NDF: 77.8/69

In: -5.918+/-681.825 χ^2/NDF:55.8/55

Out: -887.212+/-664.003 χ^2/NDF:63.8/61

All: -458.234+/-475.697 χ^2/NDF: 120.4/117



Right In: 2913.511+/-0.605 χ^2/NDF: 18571312.5/32

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2815.628+/-0.591 χ^2/NDF: 18950887.2/36

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

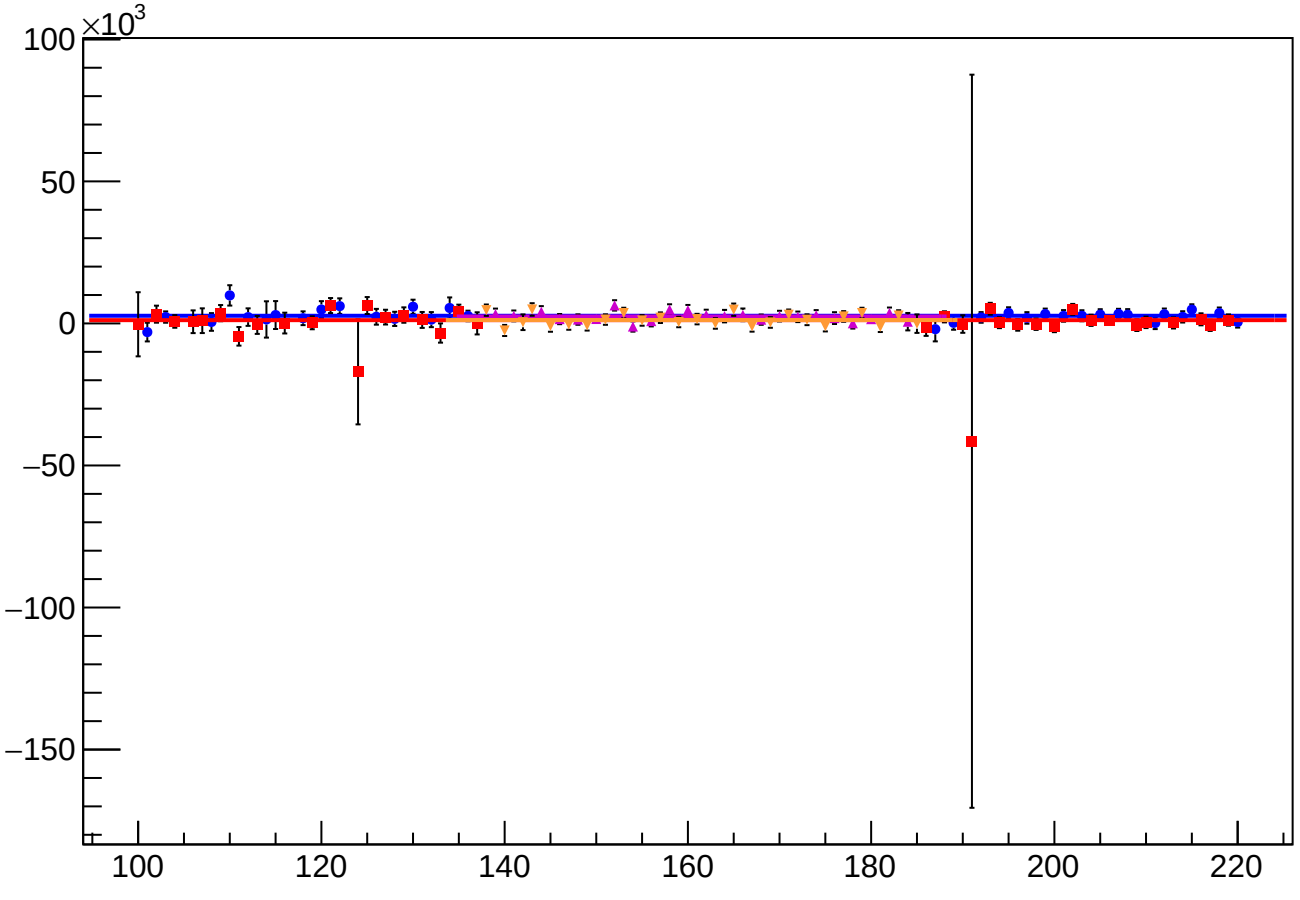
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2863.454+/-0.423 χ^2/NDF: 37535583.1/69

In: 3577.557+/-0.482 χ^2/NDF:23113355.3/55

Out: 3511.503+/-0.470 χ^2/NDF:23934383.5/61

All: 3543.655+/-0.336 χ^2/NDF: 47057372.6/



Right In: 2696.003+/-400.805 χ^2/NDF: 20.0/32

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1150.192+/-405.234 χ^2/NDF: 30.1/36

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

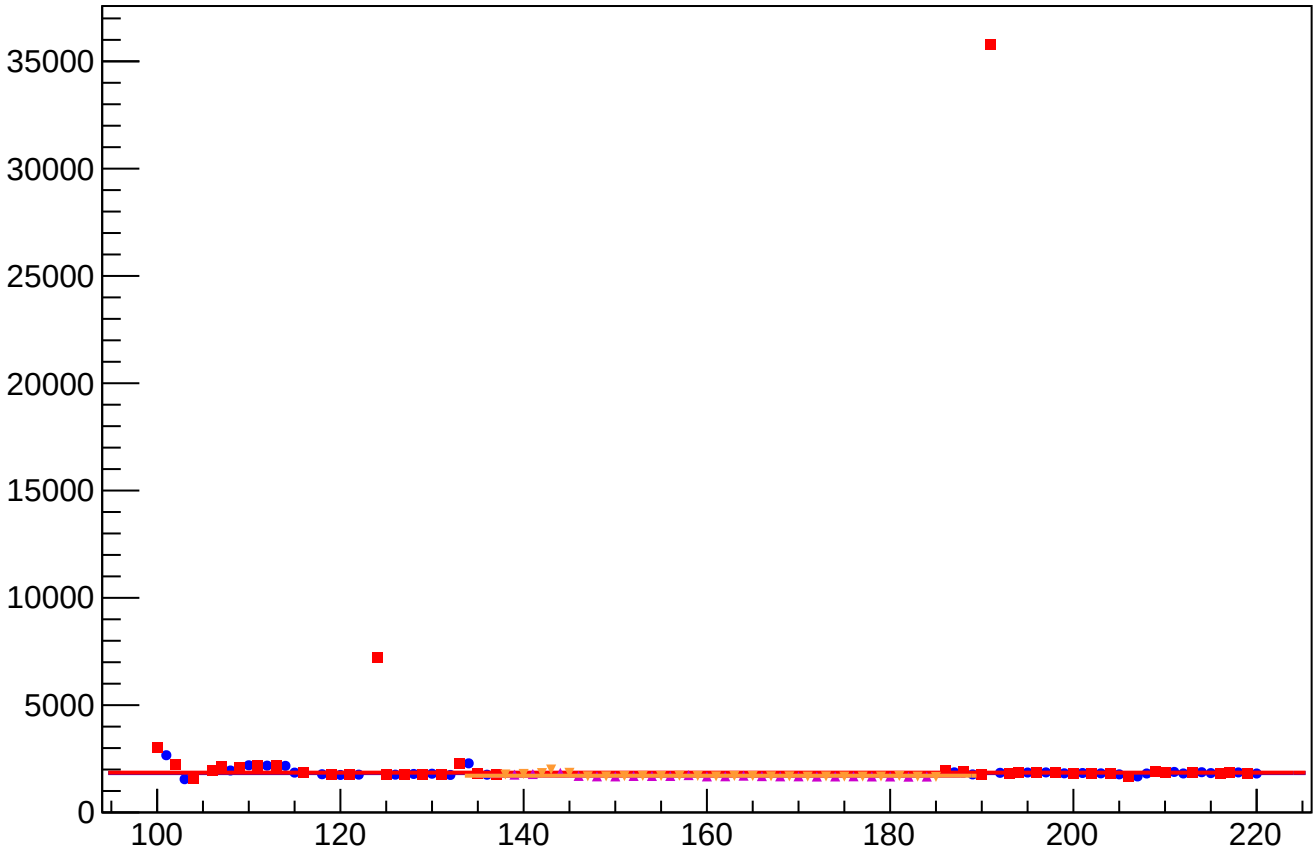
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 1931.592+/-284.965 χ^2/NDF: 57.5/69

In: 2566.559+/-282.404 χ^2/NDF:37.7/55

Out: 1177.304+/-280.679 χ^2/NDF:56.4/61

All: 1867.677+/-199.077 χ^2/NDF: 106.4/117



Right In: 1833.776+/-0.283 χ^2/NDF: 287619.7/32

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

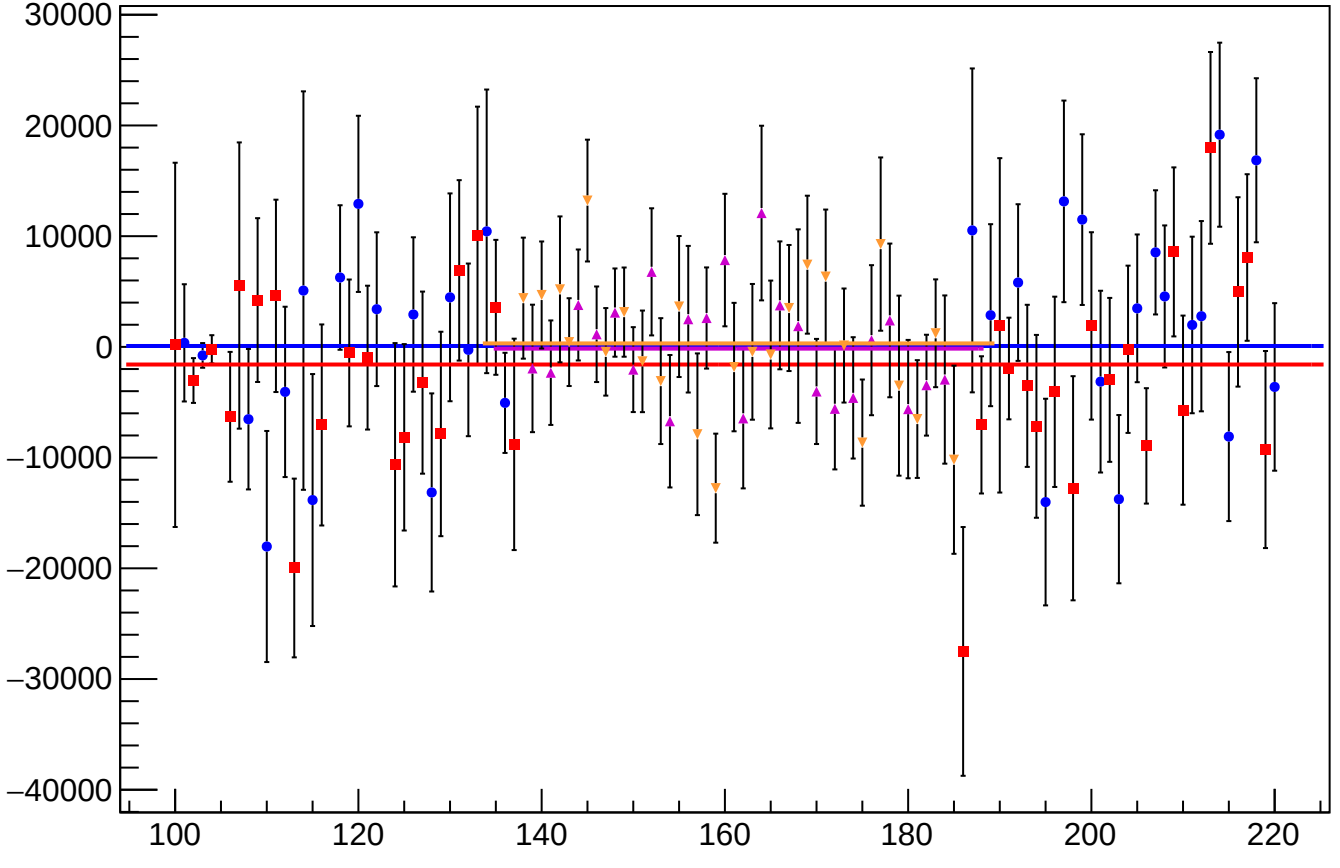
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.194+/-0.201 χ^2/NDF: 835248.2/69

In: 1768.412+/-0.200 χ^2/NDF:415822.8/55

Out: 1780.455+/-0.198 χ^2/NDF:734726.2/61

All: 1774.472+/-0.141 χ^2/NDF: 1152379.3/11



Right In: 81.516+/-855.684 χ^2/NDF: 41.0/32

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1591.994+/-836.402 χ^2/NDF: 34.8/36

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

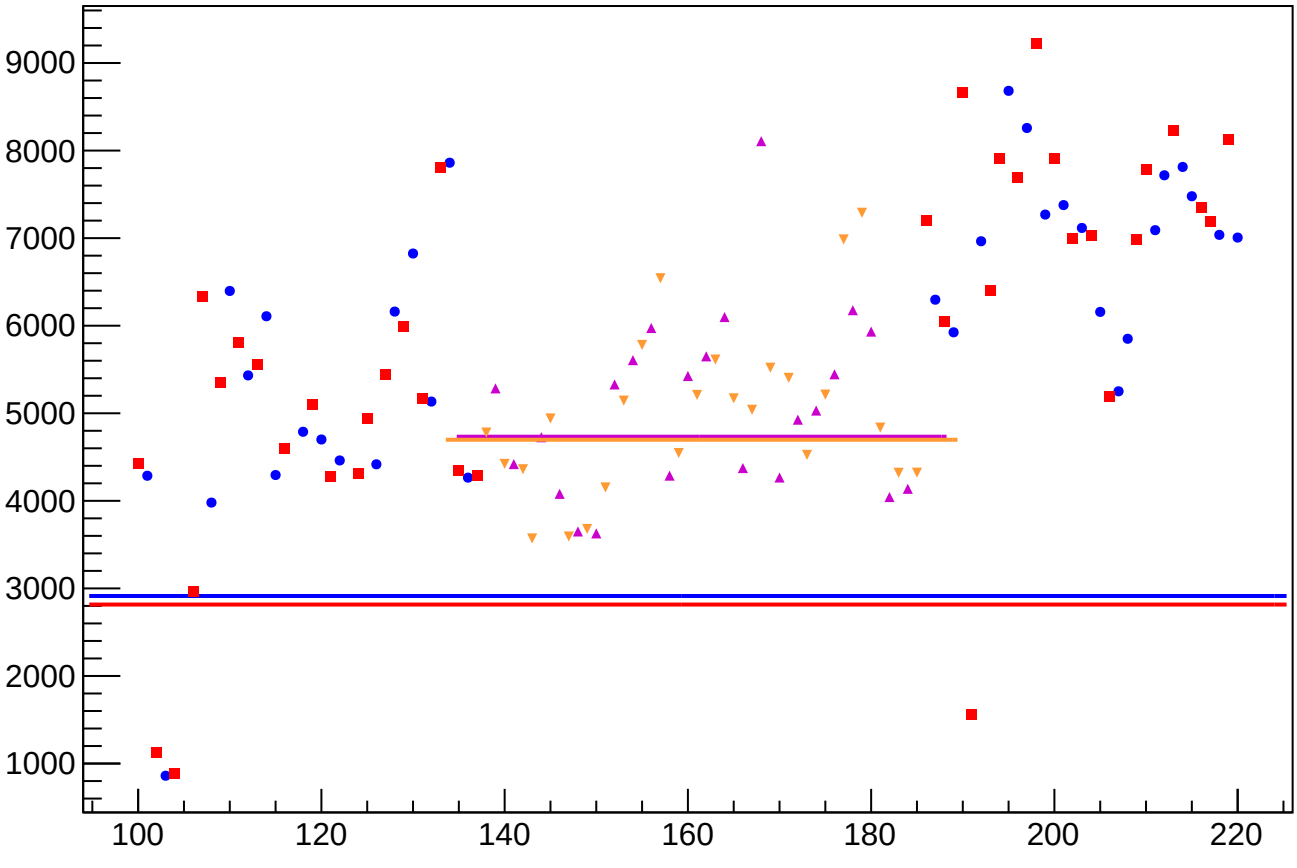
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -774.307+/-598.126 χ^2/NDF: 77.8/69

In: -5.918+/-681.825 χ^2/NDF:55.8/55

Out: -887.212+/-664.003 χ^2/NDF:63.8/61

All: -458.234+/-475.697 χ^2/NDF: 120.4/117



Right In: 2913.511+/-0.605 χ^2/NDF: 18571312.5/32

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2815.628+/-0.591 χ^2/NDF: 18950887.2/36

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

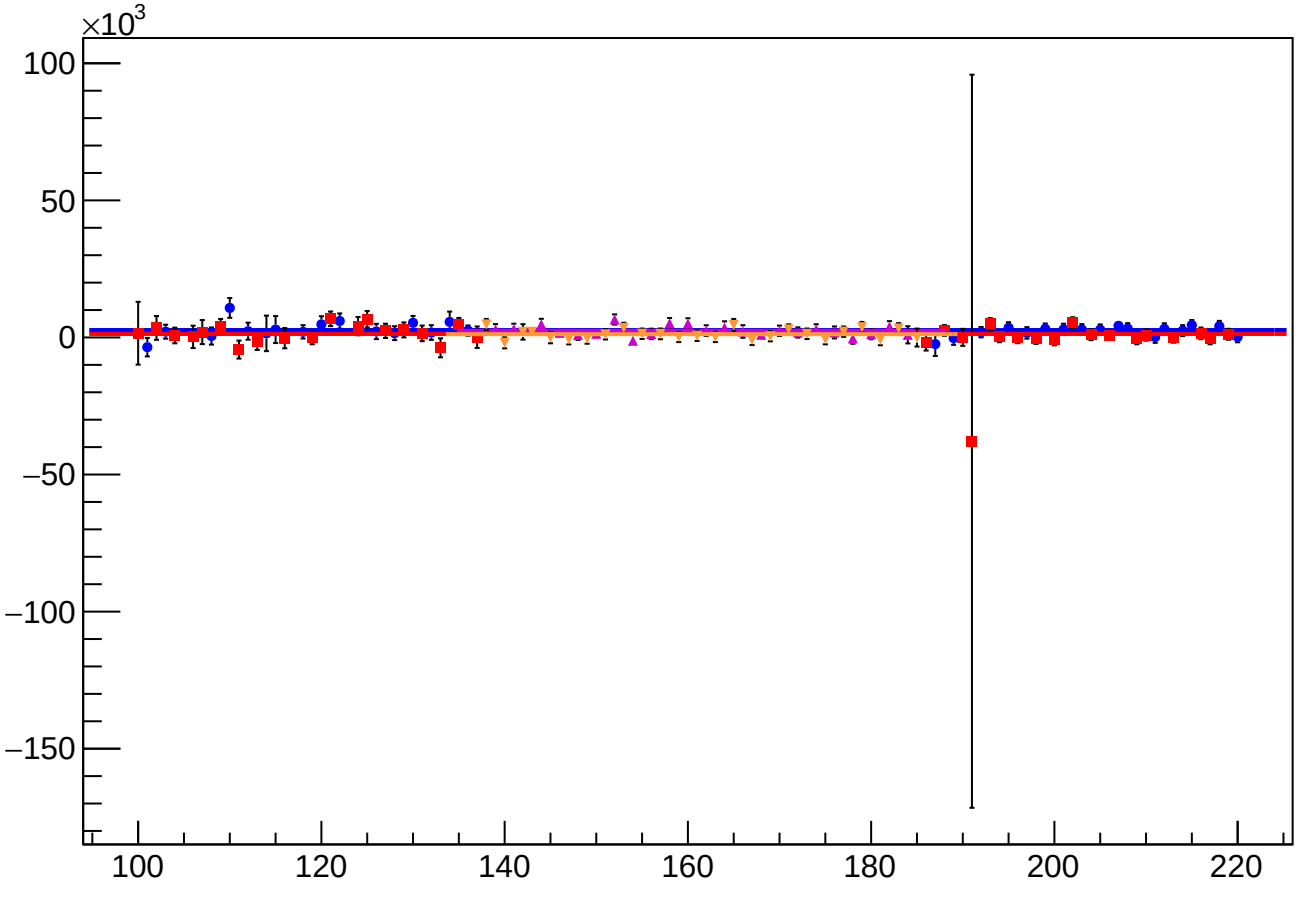
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2863.454+/-0.423 χ^2/NDF: 37535583.1/69

In: 3577.557+/-0.482 χ^2/NDF:23113355.3/55

Out: 3511.503+/-0.470 χ^2/NDF:23934383.5/61

All: 3543.655+/-0.336 χ^2/NDF: 47057372.6/



Right In: 2709.008+/-408.149 χ^2/NDF: 21.8/32

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1273.085+/-411.315 χ^2/NDF: 31.7/36

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

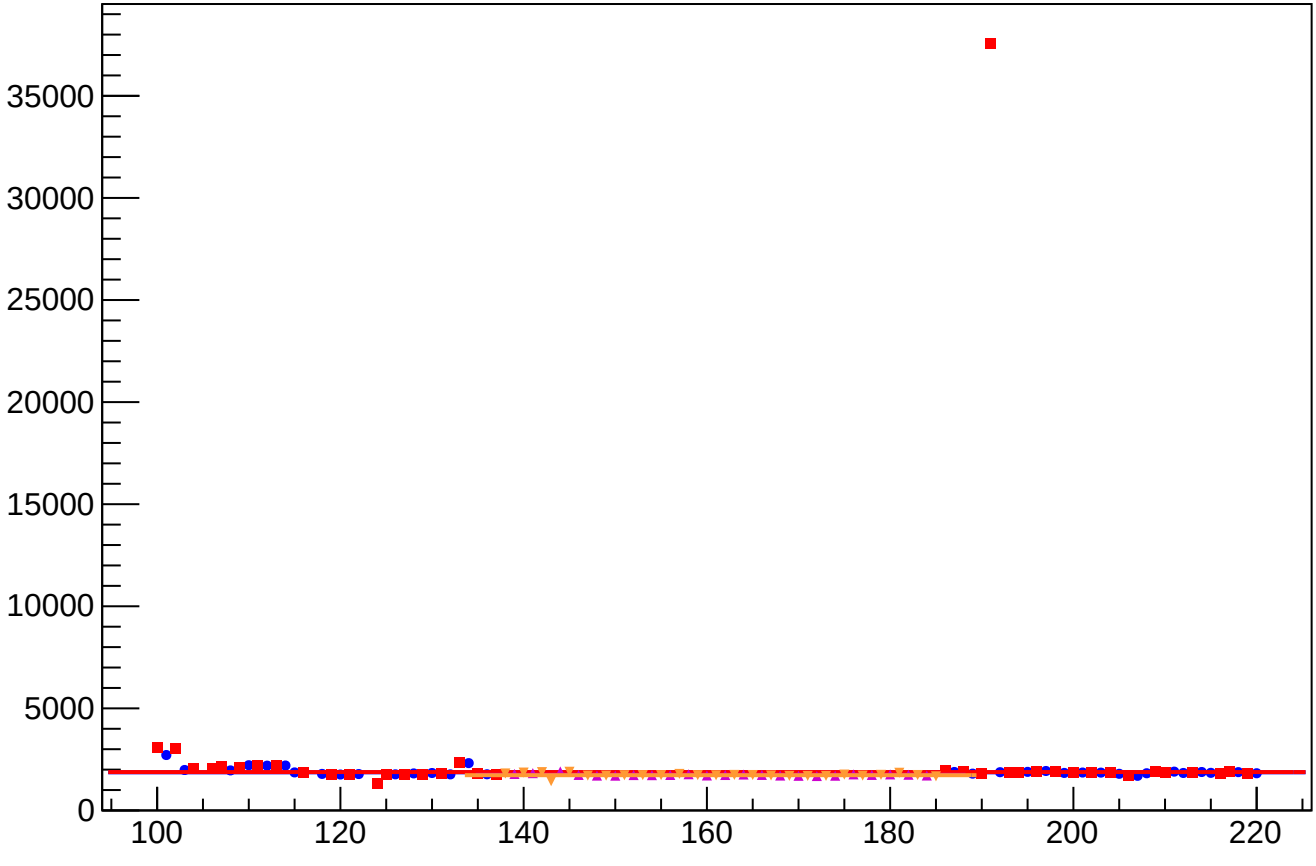
Right: 1996.593+/-289.718 χ^2/NDF: 59.7/69

In: 2573.337+/-288.393 χ^2/NDF:42.7/55

Out: 1233.498+/-284.140 χ^2/NDF:51.2/61

All: 1893.464+/-202.404 χ^2/NDF: 104.8/117

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1867.633+/-0.289 χ^2/NDF: 254291.2/32

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1879.899+/-0.291 χ^2/NDF: 523655.8/36

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

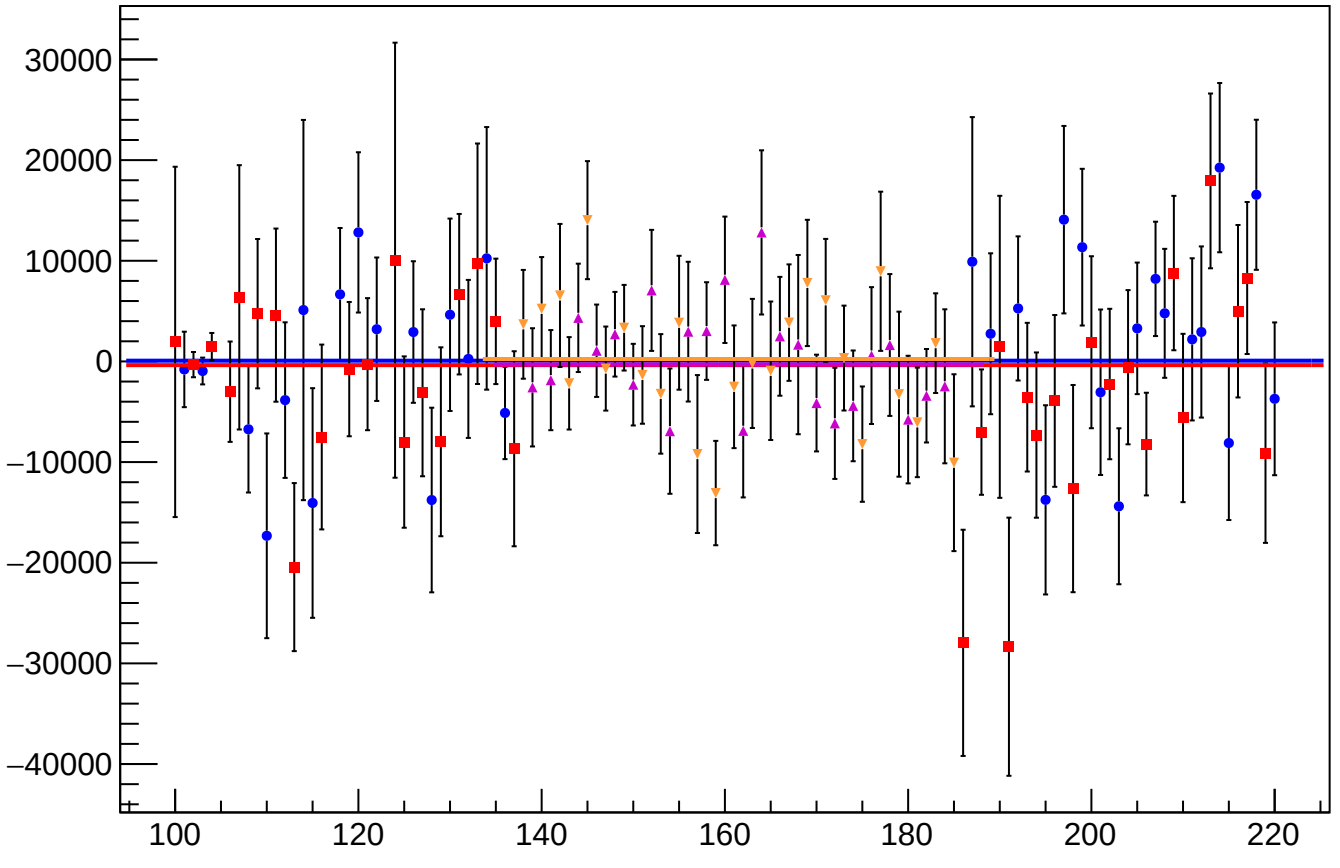
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1873.720+/-0.205 χ^2/NDF: 778843.5/69

In: 1806.043+/-0.204 χ^2/NDF:372040.3/55

Out: 1800.109+/-0.201 χ^2/NDF:778004.2/61

All: 1803.031+/-0.143 χ^2/NDF: 1150474.0/11



Right In: 74.124+/-930.521 χ^2/NDF: 40.7/32

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -368.518+/-765.175 χ^2/NDF: 40.0/36

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

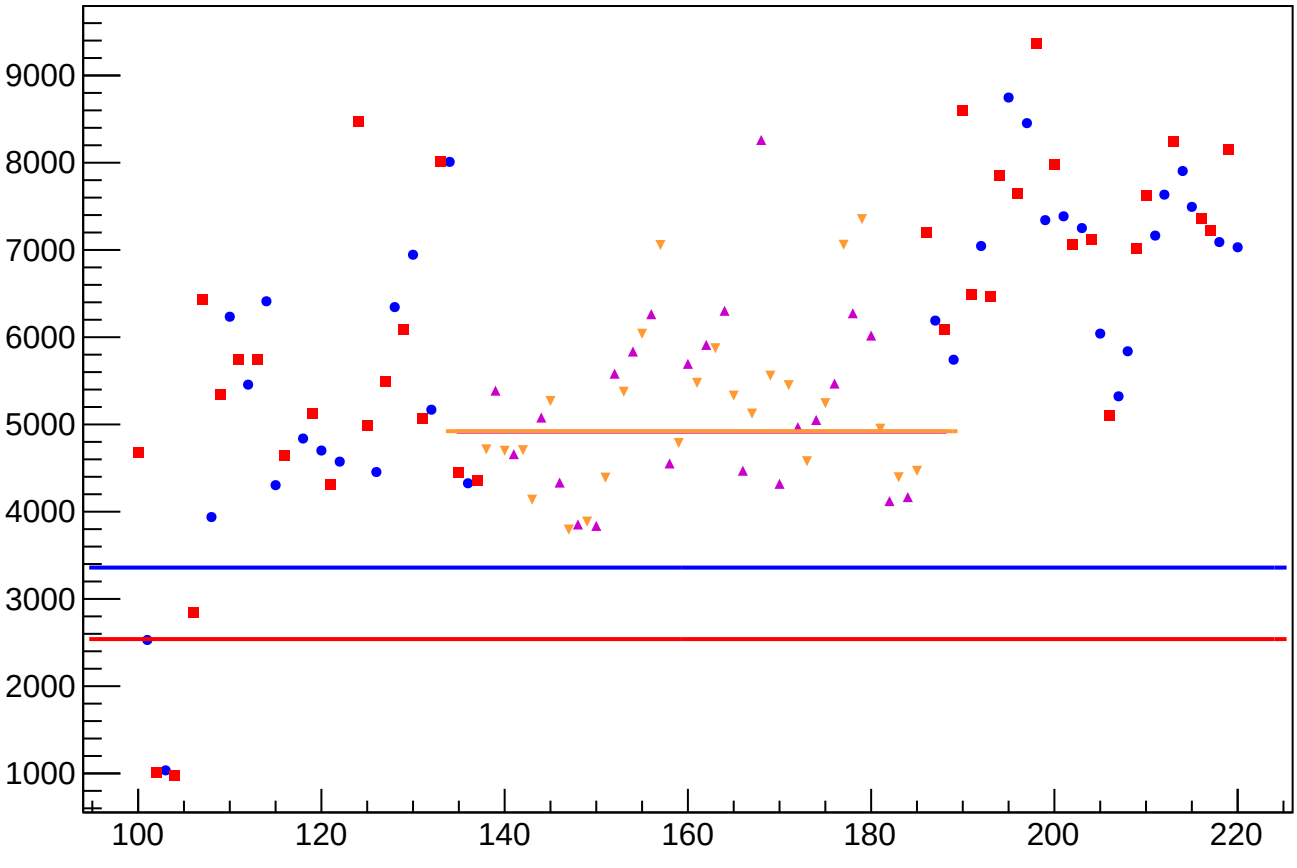
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -189.952+/-591.016 χ^2/NDF: 80.8/69

In: -73.041+/-728.521 χ^2/NDF:55.2/55

Out: -179.386+/-635.496 χ^2/NDF:66.9/61

All: -133.432+/-478.897 χ^2/NDF: 122.1/117



Right In: 3359.340+/-0.658 χ^2/NDF: 15313836.5/32

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2539.700+/-0.541 χ^2/NDF: 20746438.6/36

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

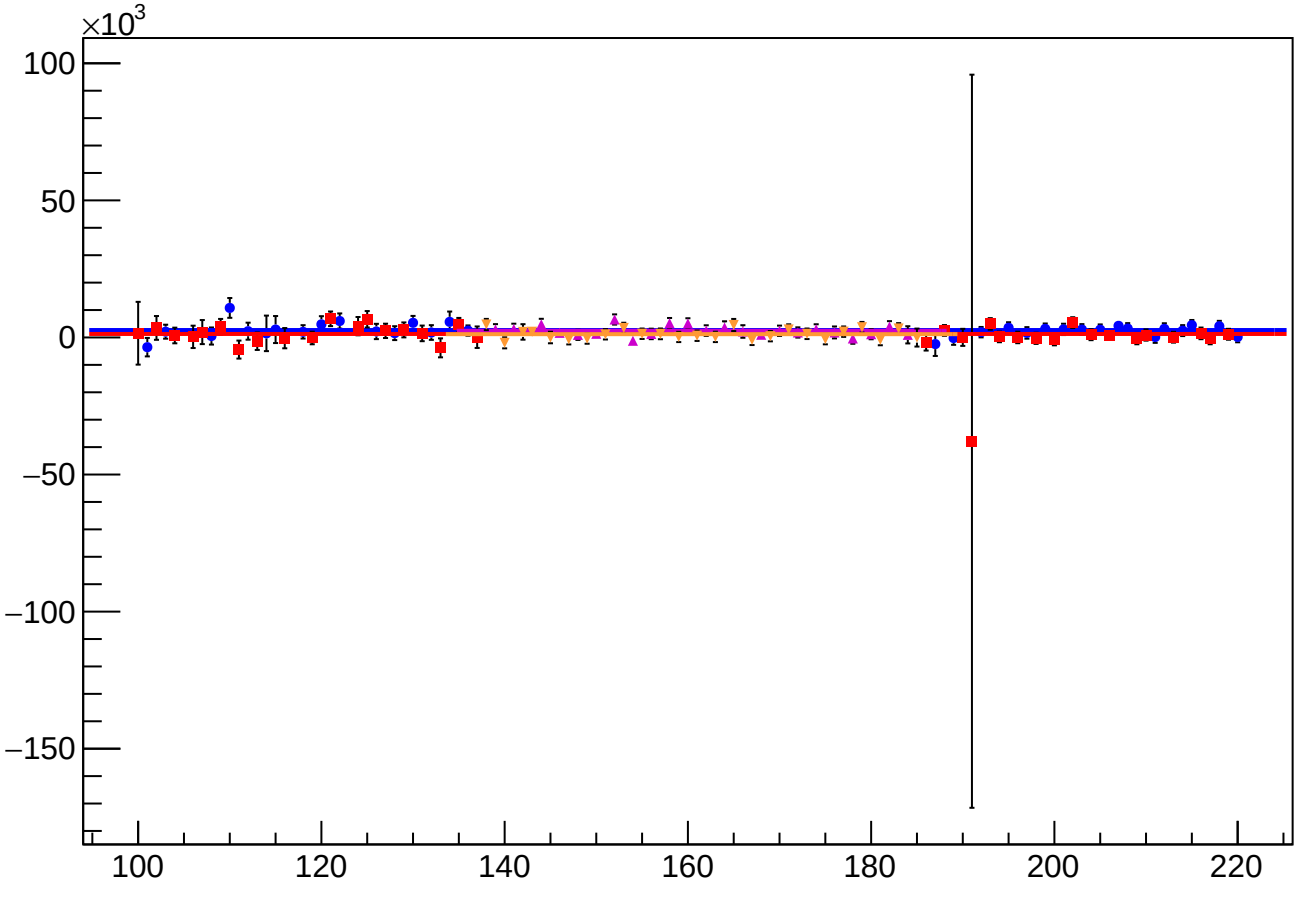
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2870.350+/-0.418 χ^2/NDF: 36986038.8/69

In: 3962.204+/-0.515 χ^2/NDF:18644478.8/55

Out: 3278.880+/-0.449 χ^2/NDF:27813073.1/61

All: 3574.155+/-0.339 χ^2/NDF: 47456764.7/



Right In: 2709.000+/-408.149 χ^2/NDF: 21.8/32

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1273.087+/-411.314 χ^2/NDF: 31.7/36

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

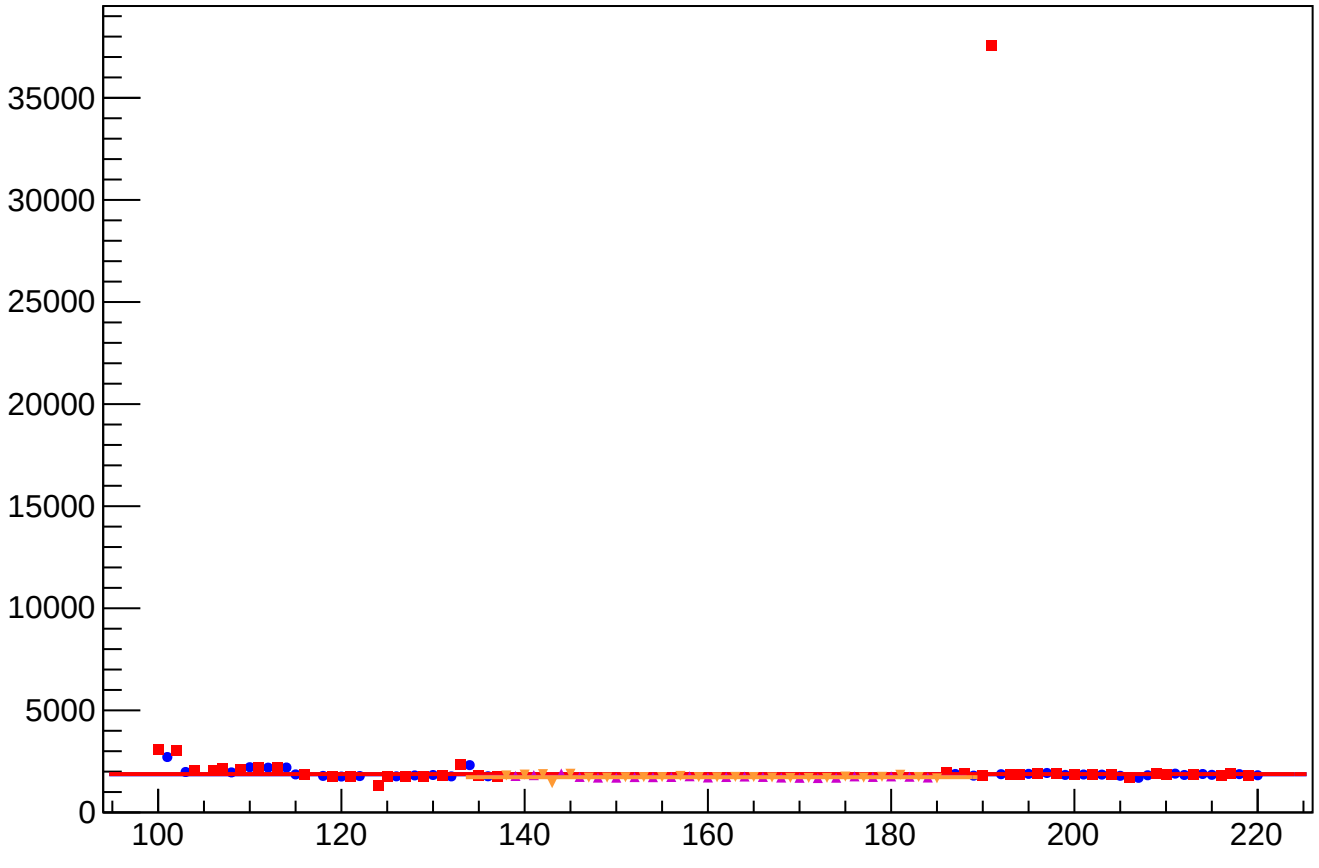
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 1996.591+/-289.718 χ^2/NDF: 59.7/69

In: 2573.333+/-288.393 χ^2/NDF:42.7/55

Out: 1233.496+/-284.140 χ^2/NDF:51.2/61

All: 1893.461+/-202.404 χ^2/NDF: 104.8/117



Right In: 1867.632+/-0.289 χ^2/NDF: 254291.1/32

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1879.899+/-0.291 χ^2/NDF: 523654.6/36

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

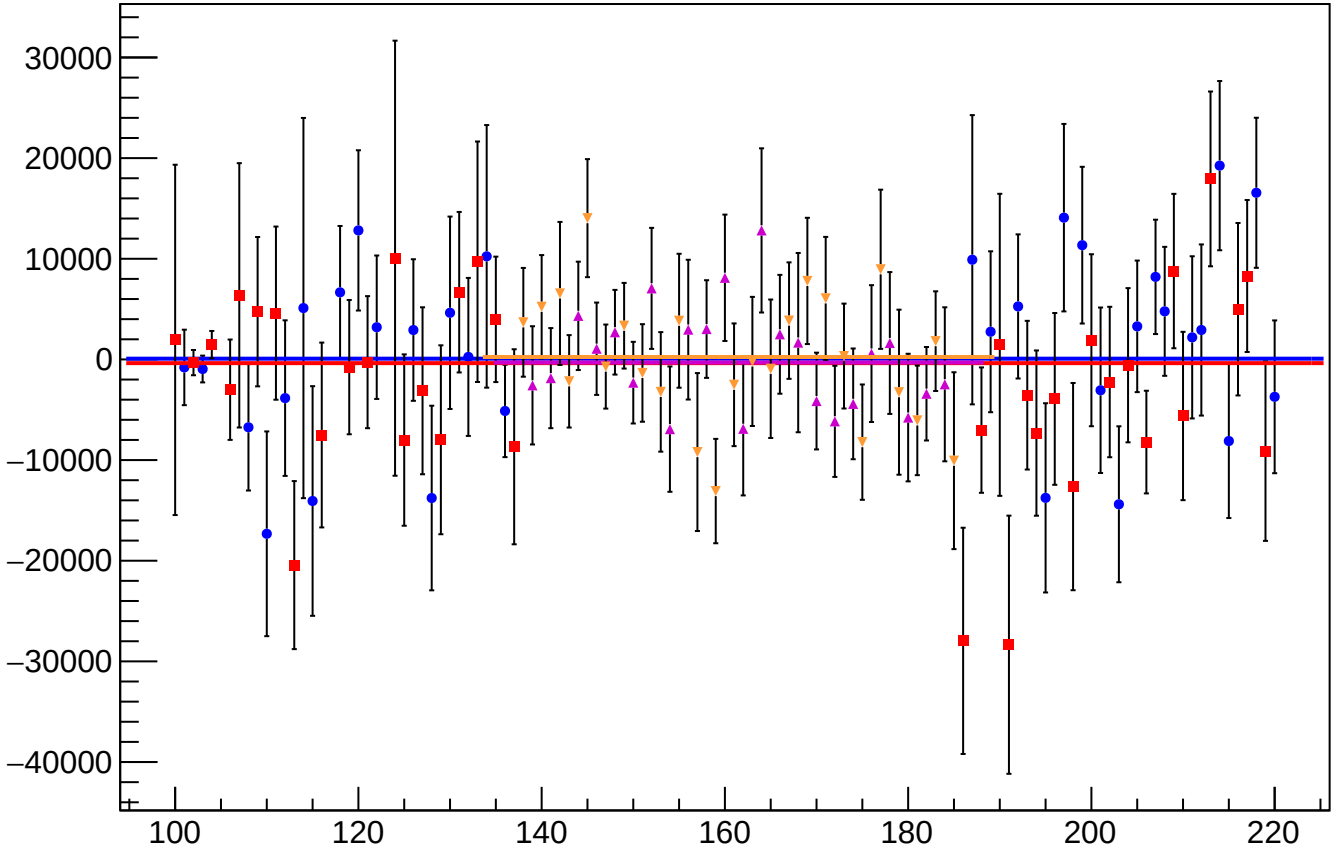
Right: 1873.720+/-0.205 χ^2/NDF: 778842.2/69

In: 1806.043+/-0.204 χ^2/NDF:372038.7/55

Out: 1800.109+/-0.201 χ^2/NDF:778000.1/61

All: 1803.032+/-0.143 χ^2/NDF: 1150468.4/11

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.123+/-930.521 χ^2/NDF: 40.7/32

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -368.521+/-765.175 χ^2/NDF: 40.0/36

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

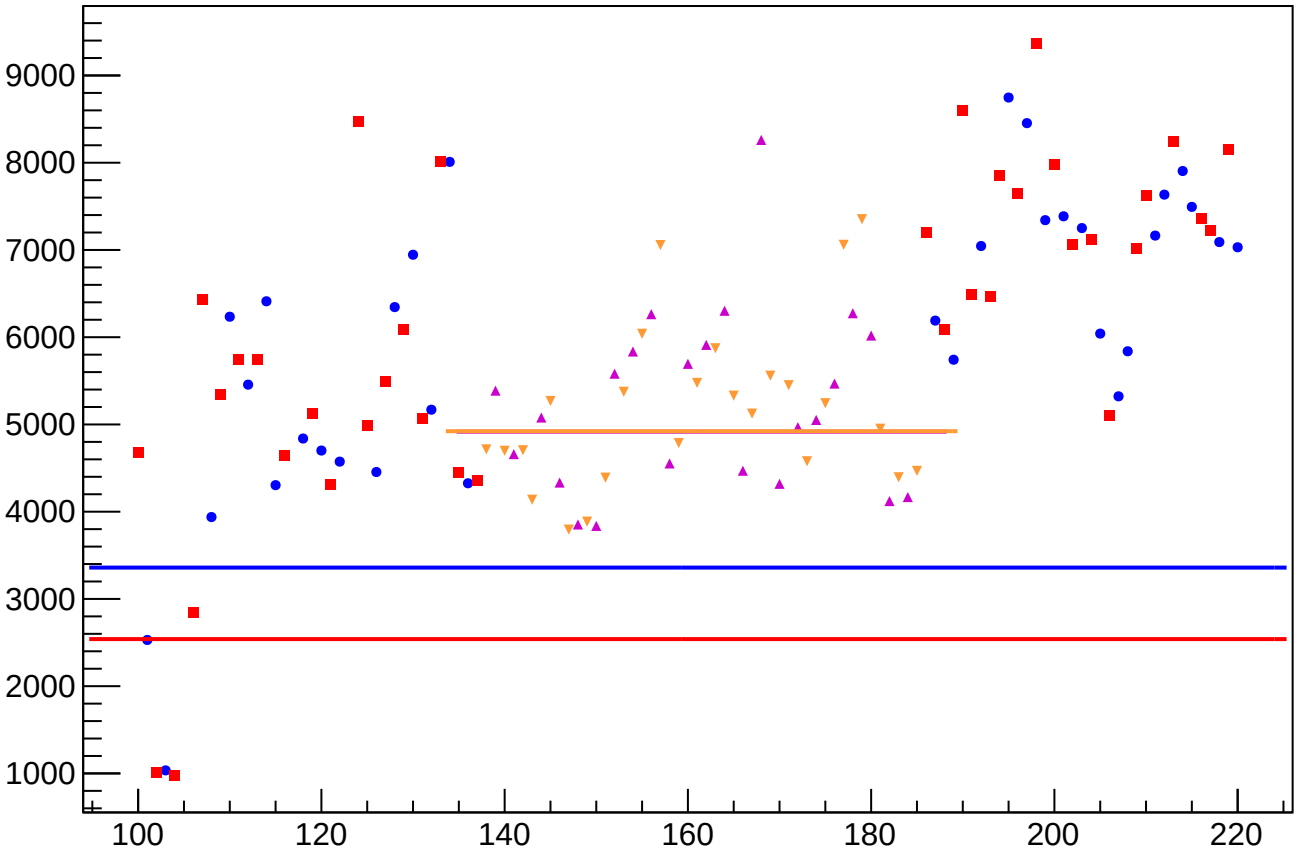
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -189.954+/-591.016 χ^2/NDF: 80.8/69

In: -73.042+/-728.521 χ^2/NDF:55.2/55

Out: -179.389+/-635.496 χ^2/NDF:66.9/61

All: -133.435+/-478.898 χ^2/NDF: 122.1/117



Right In: 3359.338+/-0.658 χ^2/NDF: 15313848.0/32

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2539.698+/-0.541 χ^2/NDF: 20746446.0/36

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

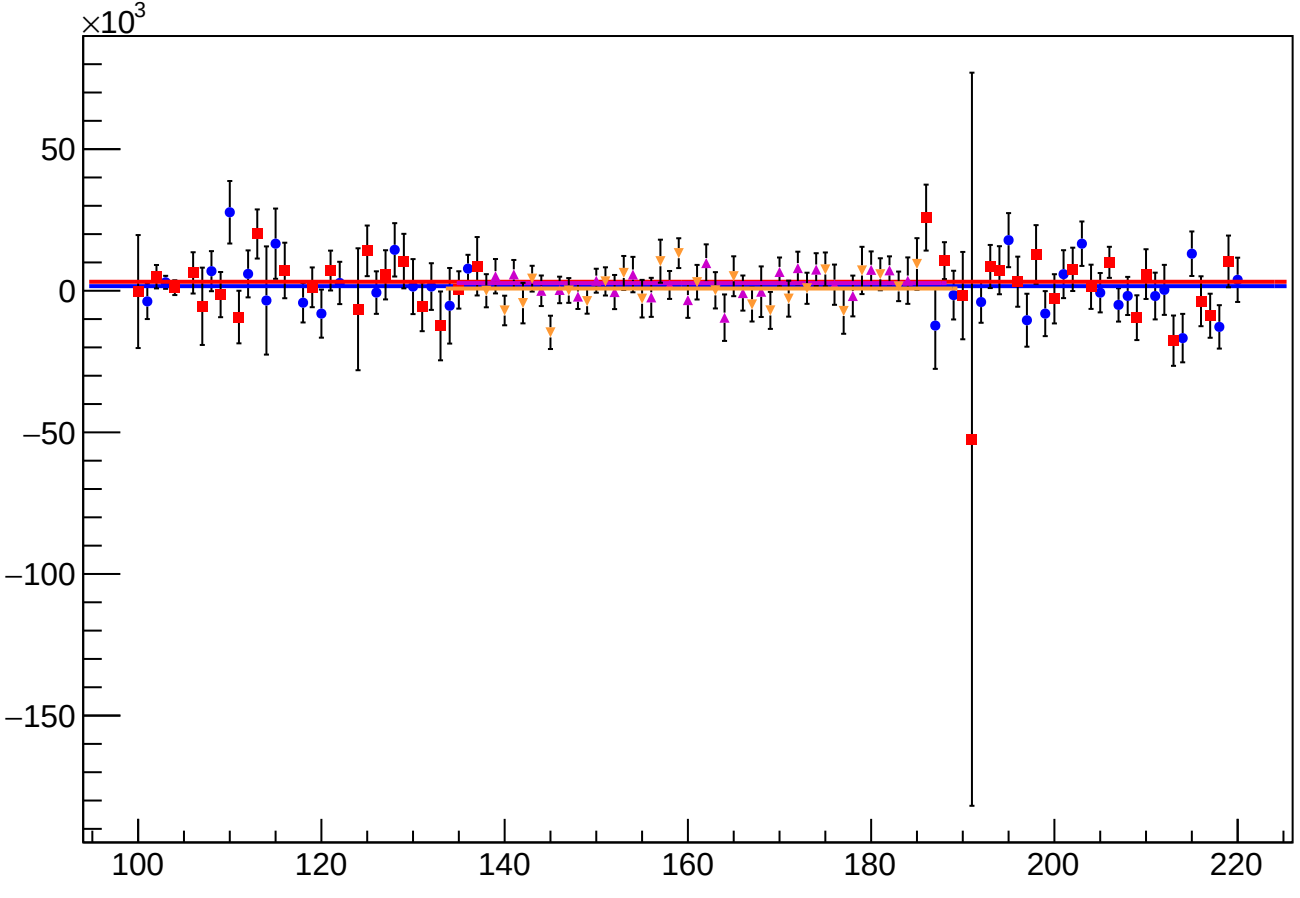
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2870.348+/-0.418 χ^2/NDF: 36986057.1/69

In: 3962.204+/-0.515 χ^2/NDF:18644517.1/55

Out: 3278.879+/-0.449 χ^2/NDF:27813117.9/61

All: 3574.155+/-0.339 χ^2/NDF: 47456849.6/



Right In: 1620.920+/-1204.452 χ^2/NDF: 38.5/32

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3174.479+/-1224.858 χ^2/NDF: 34.6/36

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

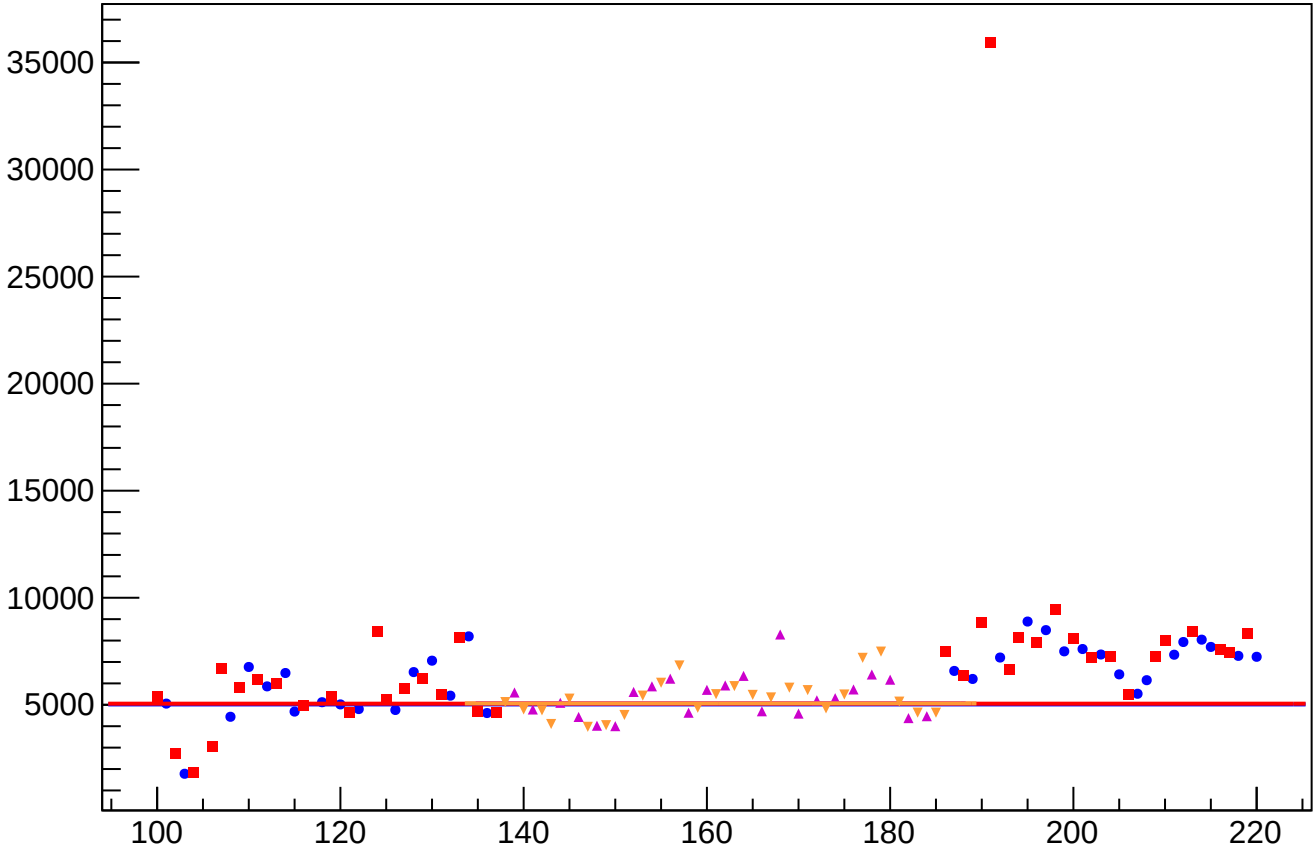
Right: 2384.650+/-858.800 χ^2/NDF: 73.9/69

In: 2162.403+/-852.322 χ^2/NDF:50.8/55

Out: 1928.581+/-846.786 χ^2/NDF:64.1/61

All: 2044.730+/-600.716 χ^2/NDF: 115.0/117

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 5017.103+/-0.852 χ^2/NDF: 7117484.6/32

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 5052.664+/-0.861 χ^2/NDF: 7415343.4/36

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

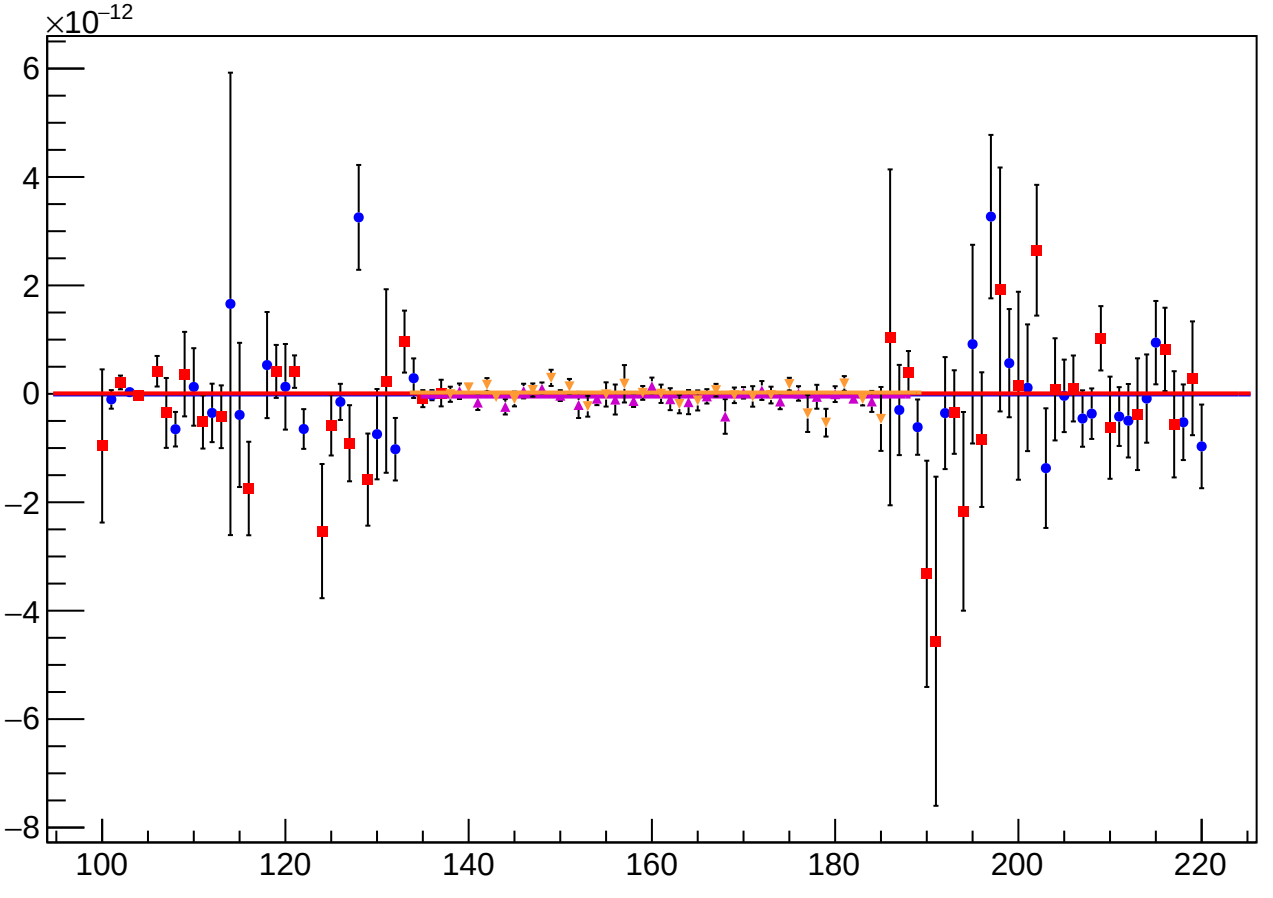
Right: 5034.697+/-0.605 χ^2/NDF: 14533690.5/69

In: 5048.361+/-0.603 χ^2/NDF:8121424.2/55

Out: 5060.569+/-0.597 χ^2/NDF:8369759.7/61

All: 5054.523+/-0.424 χ^2/NDF: 16491391.1/1

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.9/36

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

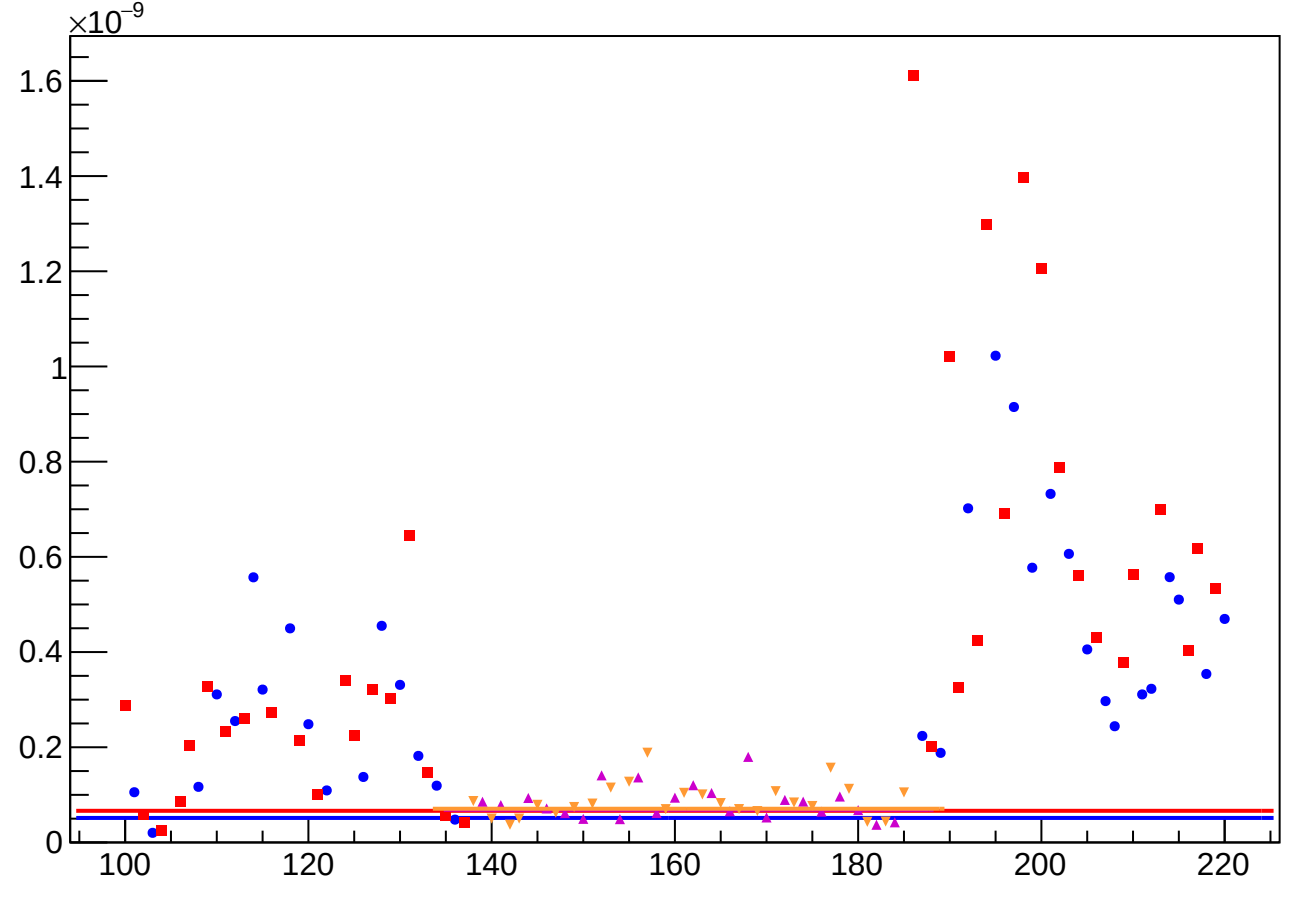
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 87.0/69

In: -0.000+/-0.000 χ^2/NDF:51.7/55

Out: 0.000+/-0.000 χ^2/NDF:70.6/61

All: -0.000+/-0.000 χ^2/NDF: 125.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 11982584.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13040679.1/36

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

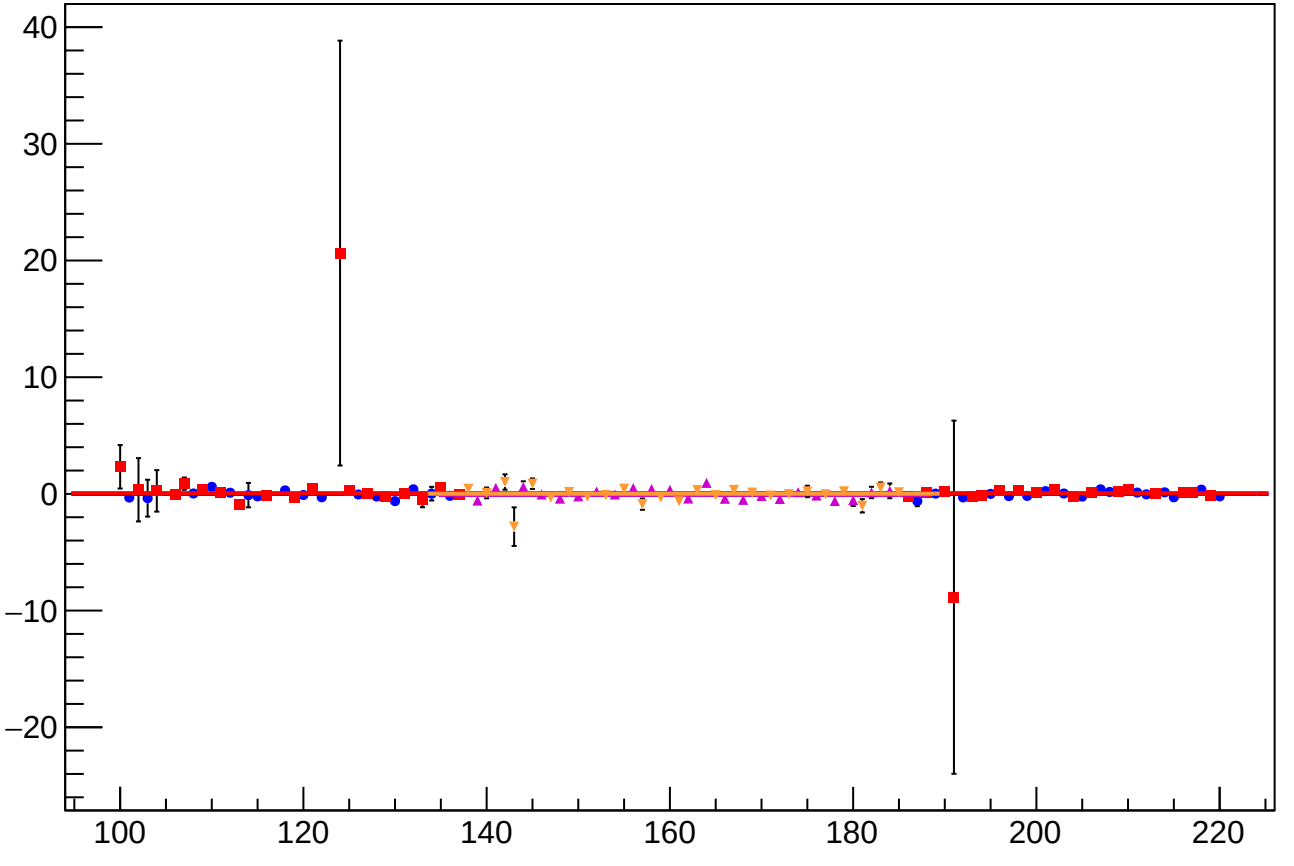
Right: 0.000+/-0.000 χ^2/NDF: 25164166.1/69

In: 0.000+/-0.000 χ^2/NDF:13698010.2/55

Out: 0.000+/-0.000 χ^2/NDF:14543611.8/61

All: 0.000+/-0.000 χ^2/NDF: 28349896.0/117

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.043 χ^2/NDF: 34.9/32

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

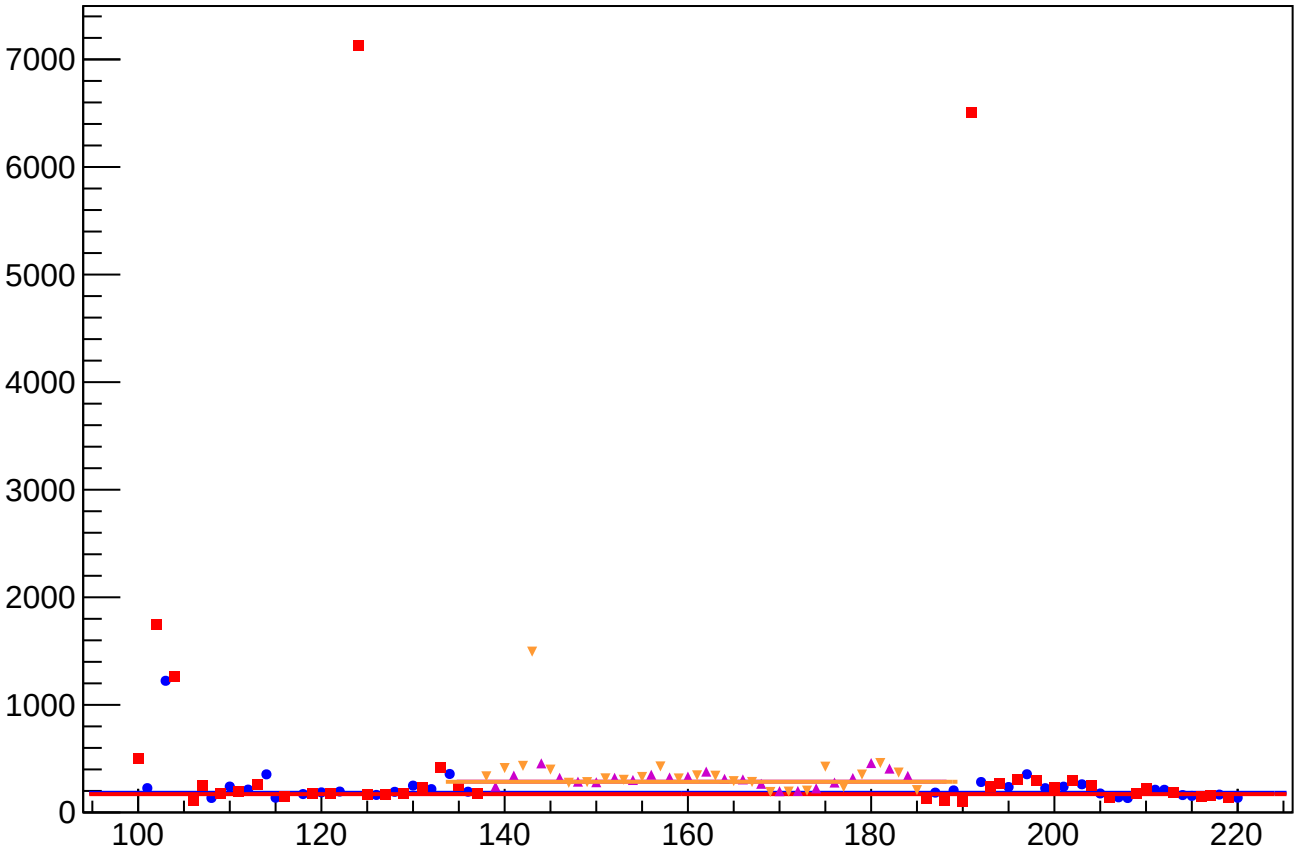
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.032+/-0.030 χ^2/NDF: 69.9/69

In: -0.025+/-0.037 χ^2/NDF:67.0/55

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.014+/-0.025 χ^2/NDF: 131.7/117



Right In: 182.764+/-0.030 χ^2/NDF: 3118884.0/32

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

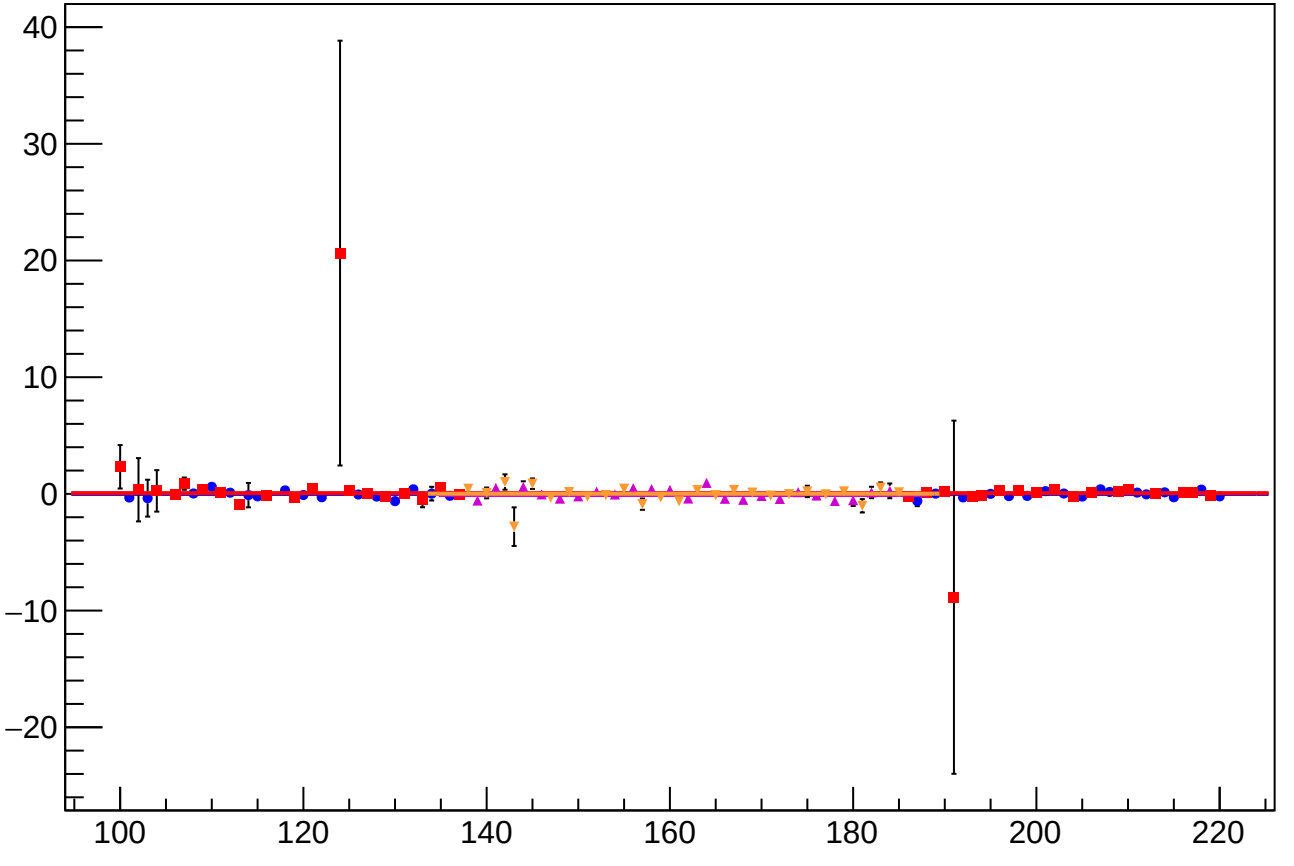
Right: 176.248+/-0.021 χ^2/NDF: 8828113.3/69

In: 210.656+/-0.026 χ^2/NDF:7991398.1/55

Out: 199.883+/-0.025 χ^2/NDF:13038073.7/61

All: 205.099+/-0.018 χ^2/NDF: 21118720.5/11

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.043 χ^2/NDF: 34.9/32

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

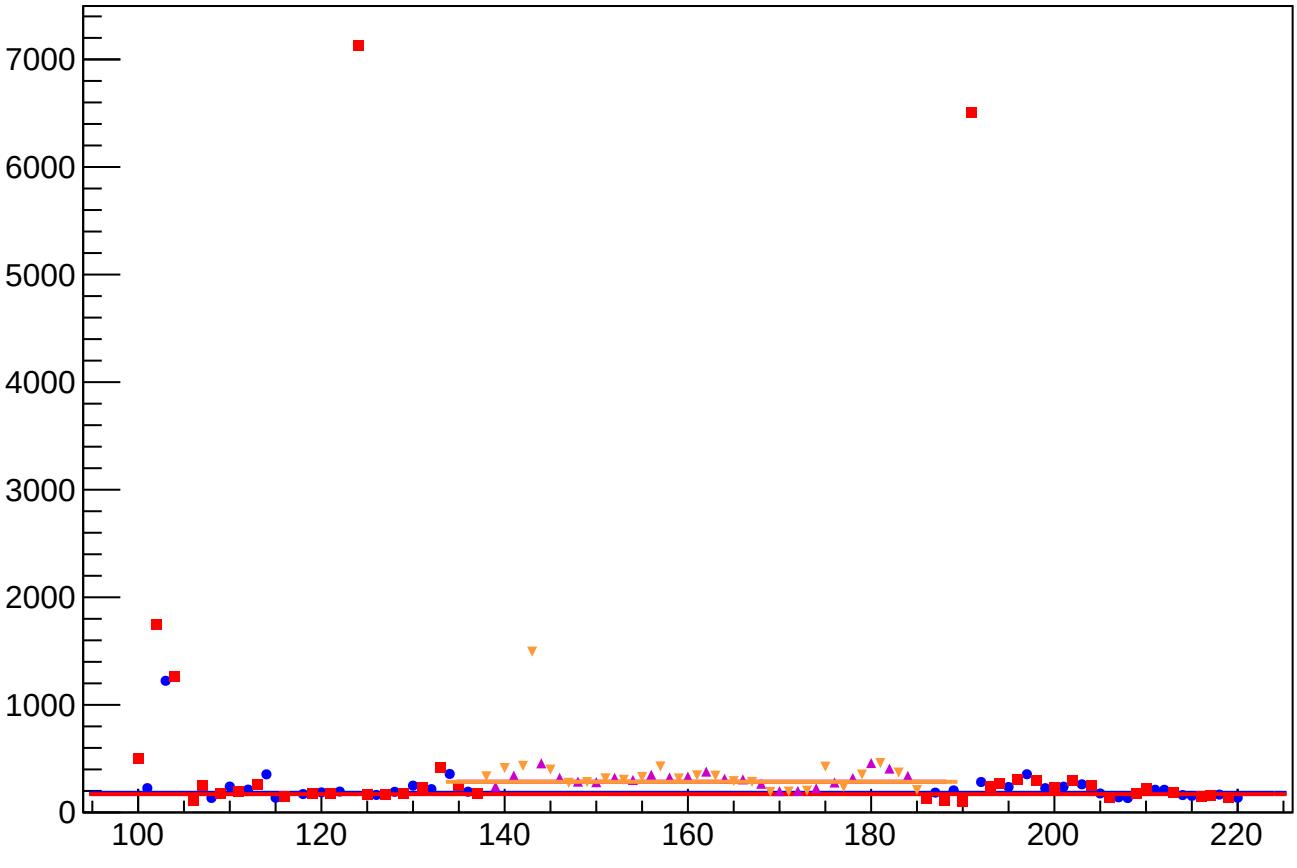
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.032+/-0.030 χ^2/NDF: 69.9/69

In: -0.025+/-0.037 χ^2/NDF:67.0/55

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.014+/-0.025 χ^2/NDF: 131.7/117



Right In: 182.764+/-0.030 χ^2/NDF: 3118884.0/32

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

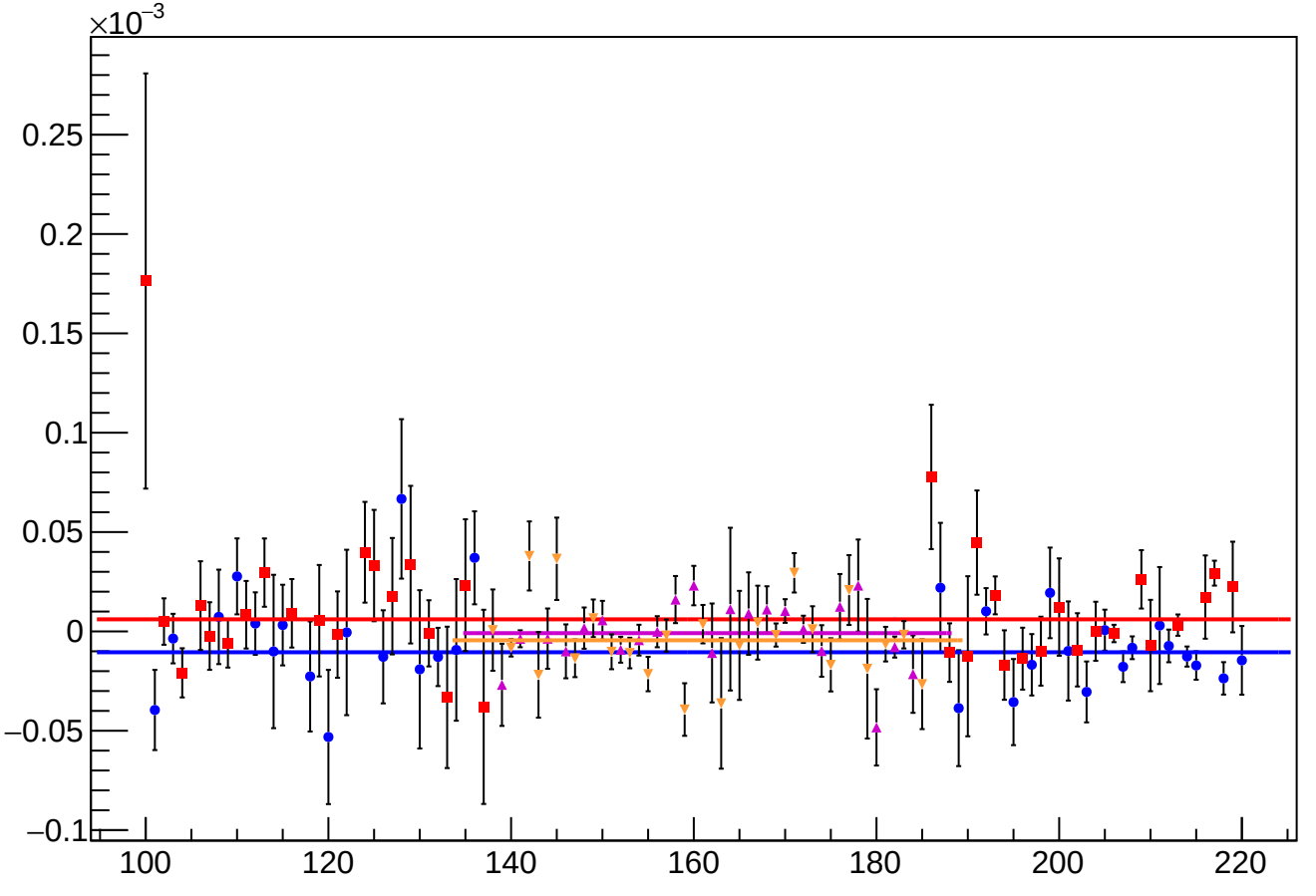
Right: 176.248+/-0.021 χ^2/NDF: 8828113.3/69

In: 210.656+/-0.026 χ^2/NDF:7991398.1/55

Out: 199.883+/-0.025 χ^2/NDF:13038073.7/61

All: 205.099+/-0.018 χ^2/NDF: 21118720.5/11

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 50.6/36

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

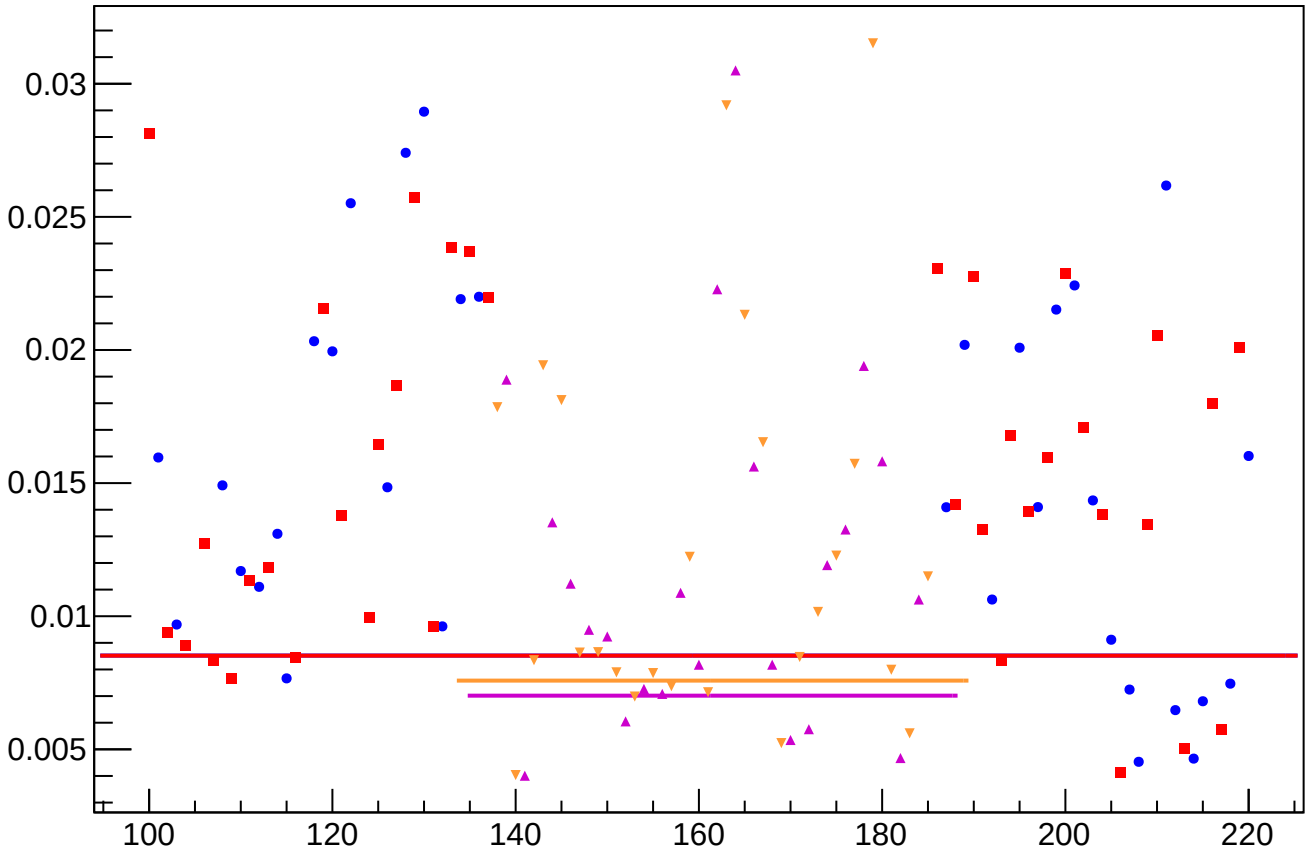
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: -0.000+/-0.000 χ^2/NDF: 113.5/69

In: -0.000+/-0.000 χ^2/NDF:74.1/55

Out: 0.000+/-0.000 χ^2/NDF:107.4/61

All: -0.000+/-0.000 χ^2/NDF: 188.2/117



Right In: 0.009+/-0.000 χ^2/NDF: 9979991.2/32

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10868558.5/36

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

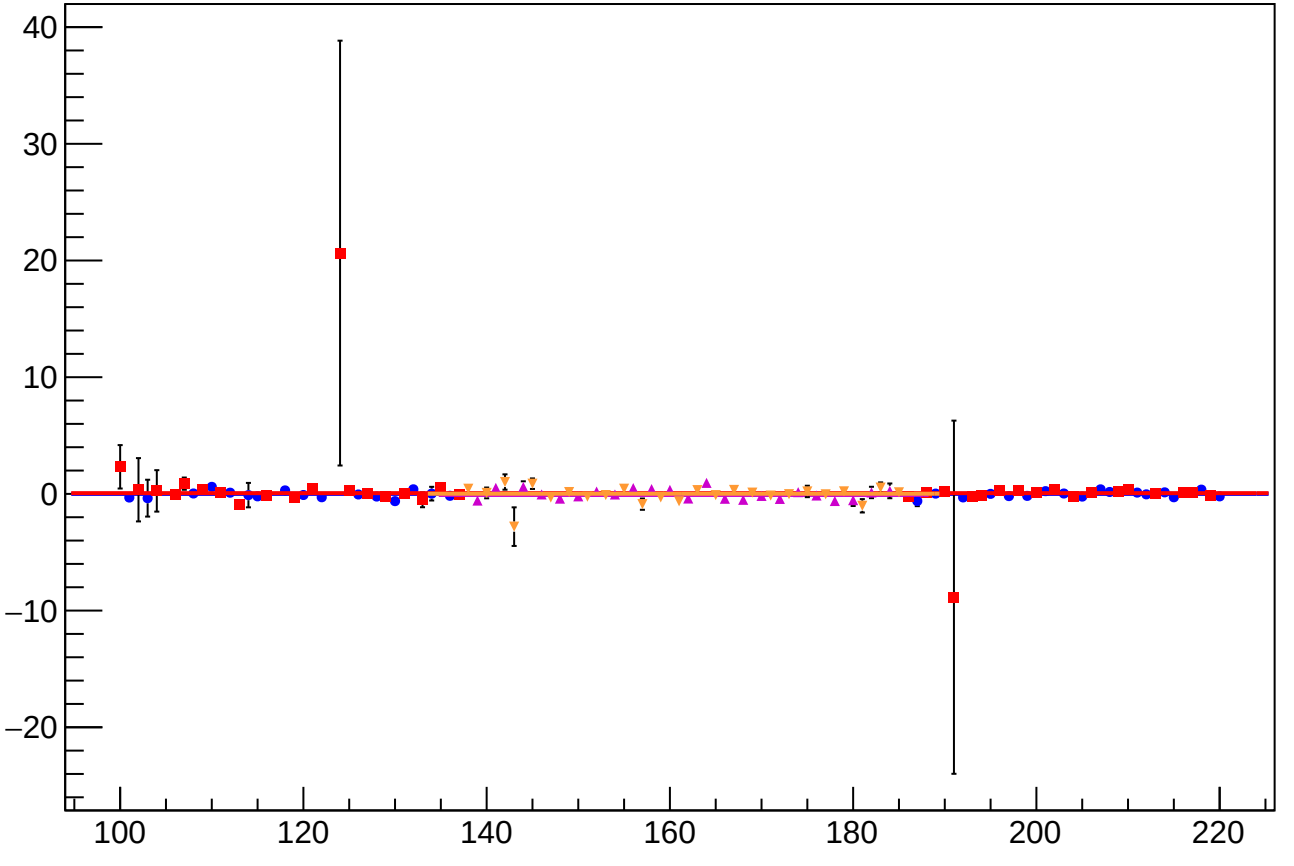
Right: 0.009+/-0.000 χ^2/NDF: 20848553.3/69

In: 0.008+/-0.000 χ^2/NDF:17256538.0/55

Out: 0.008+/-0.000 χ^2/NDF:18423840.3/61

All: 0.008+/-0.000 χ^2/NDF: 35735609.3/117

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.043 χ^2/NDF: 34.9/32

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

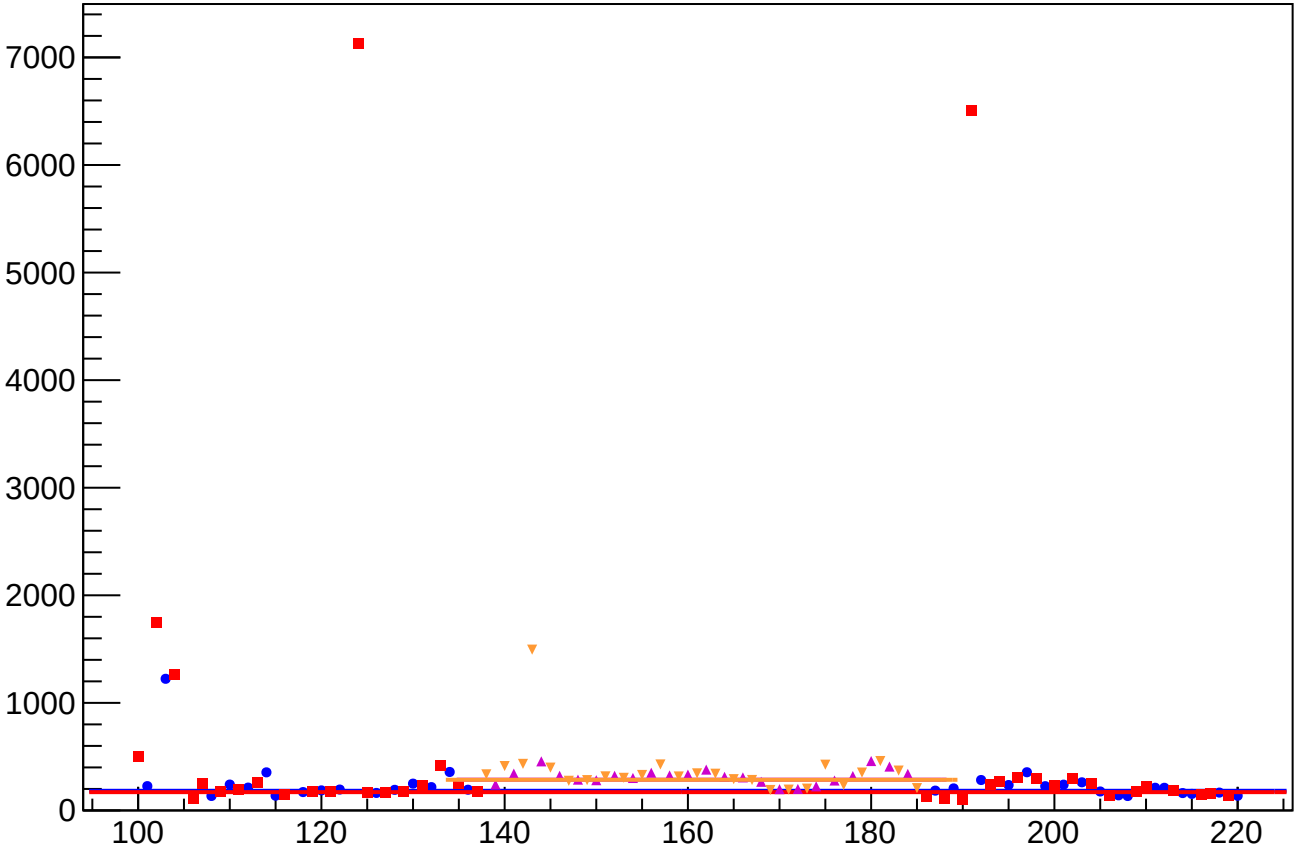
Right: 0.032+/-0.030 χ^2/NDF: 69.9/69

In: -0.025+/-0.037 χ^2/NDF:67.0/55

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.014+/-0.025 χ^2/NDF: 131.7/117

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.764+/-0.030 χ^2/NDF: 3118886.0/32

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

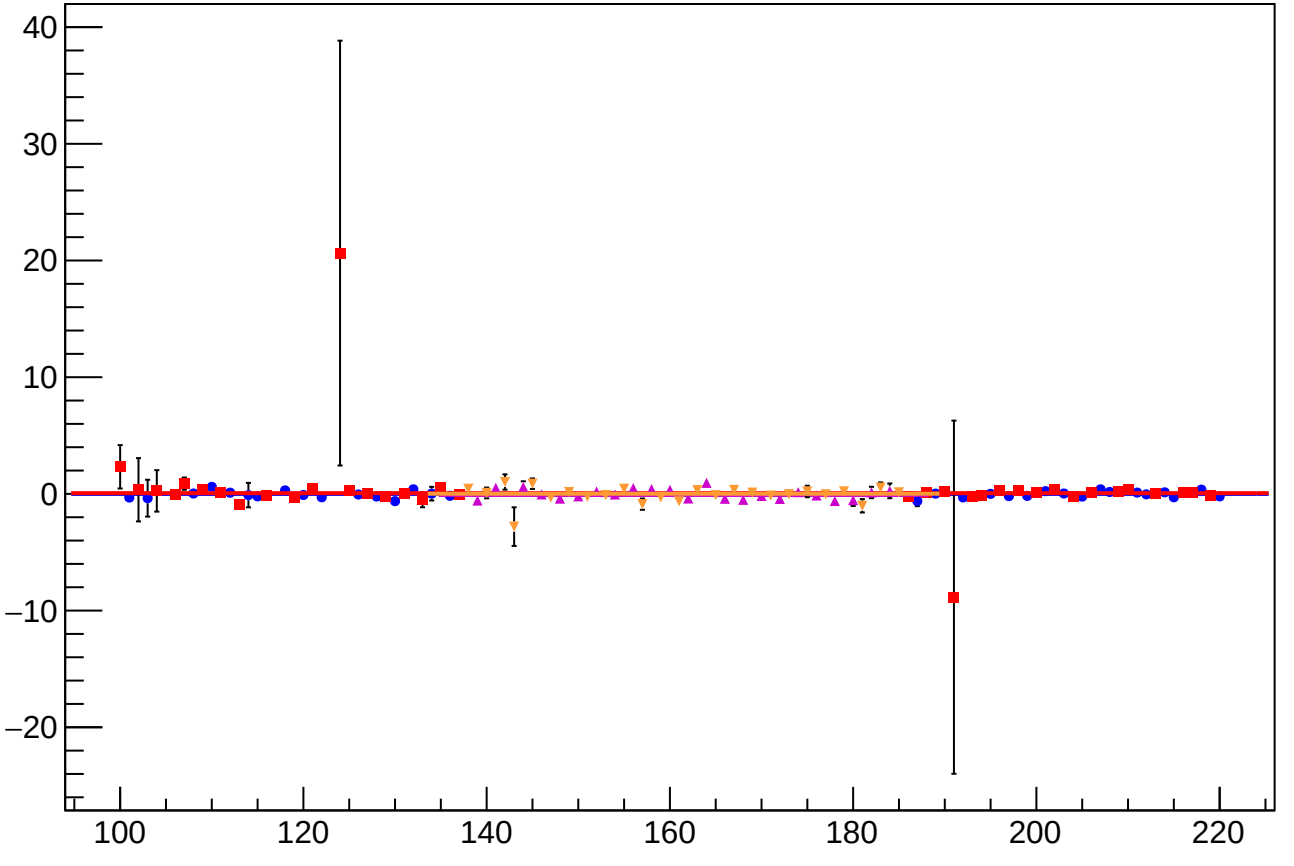
Right: 176.247+/-0.021 χ^2/NDF: 8828241.3/69

In: 210.655+/-0.026 χ^2/NDF:7991604.7/55

Out: 199.882+/-0.025 χ^2/NDF:13038491.3/61

All: 205.098+/-0.018 χ^2/NDF: 21119360.5/11

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.043 χ^2/NDF: 34.9/32

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

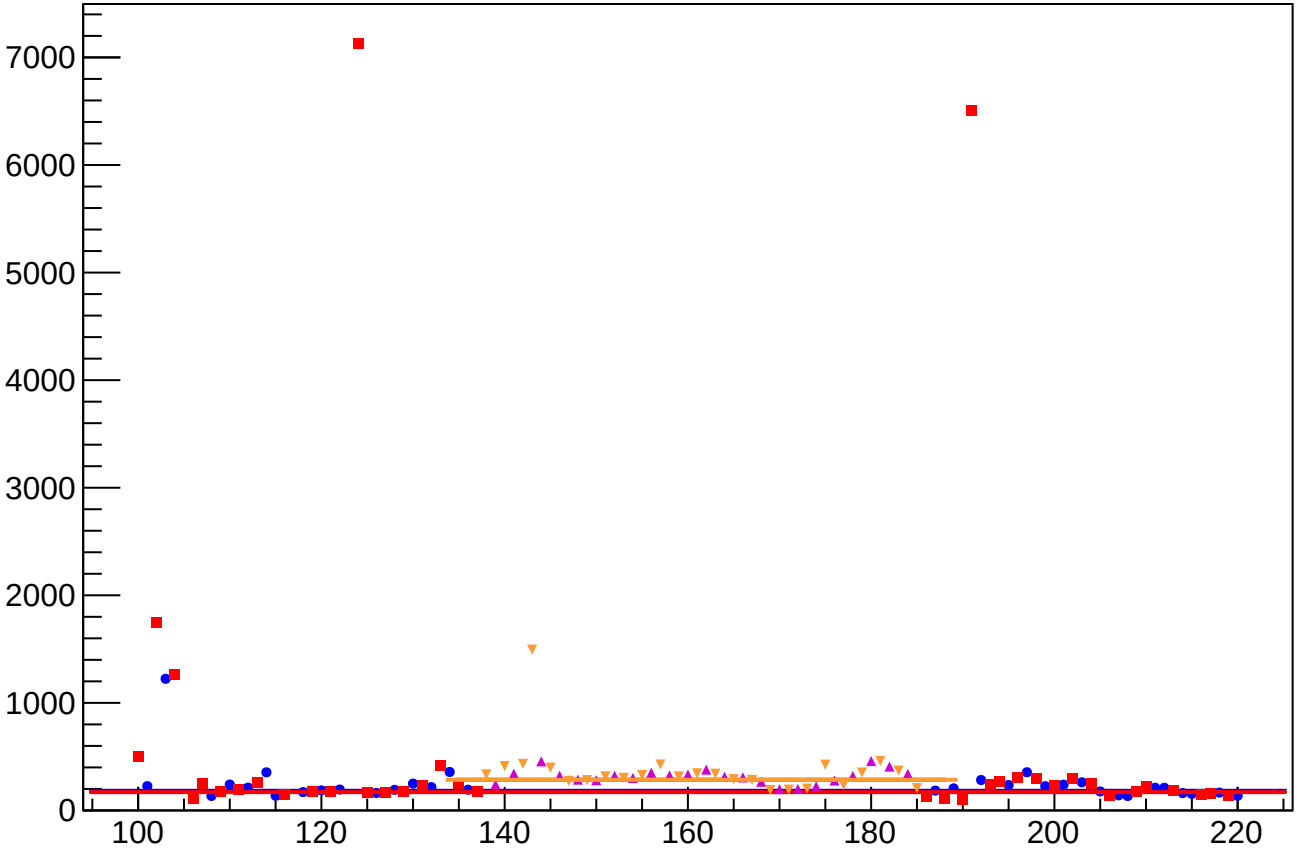
Right: 0.032+/-0.030 χ^2/NDF: 69.9/69

In: -0.025+/-0.037 χ^2/NDF:67.0/55

Out: 0.051+/-0.035 χ^2/NDF:62.5/61

All: 0.014+/-0.025 χ^2/NDF: 131.7/117

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.764+/-0.030 χ^2/NDF: 3118886.0/32

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

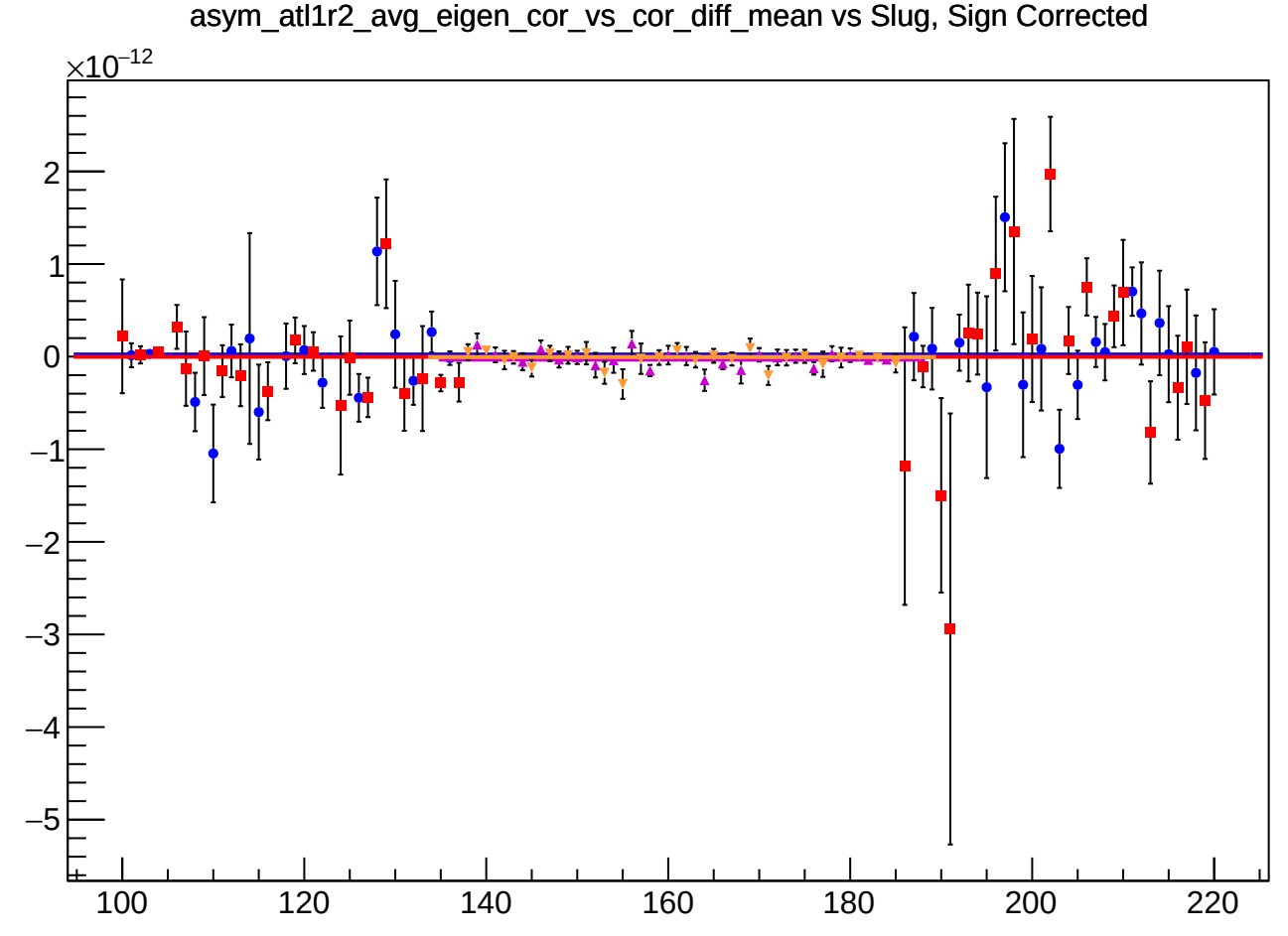
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 176.247+/-0.021 χ^2/NDF: 8828241.3/69

In: 210.655+/-0.026 χ^2/NDF:7991604.7/55

Out: 199.882+/-0.025 χ^2/NDF:13038491.3/61

All: 205.098+/-0.018 χ^2/NDF: 21119360.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 38.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.7/36

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

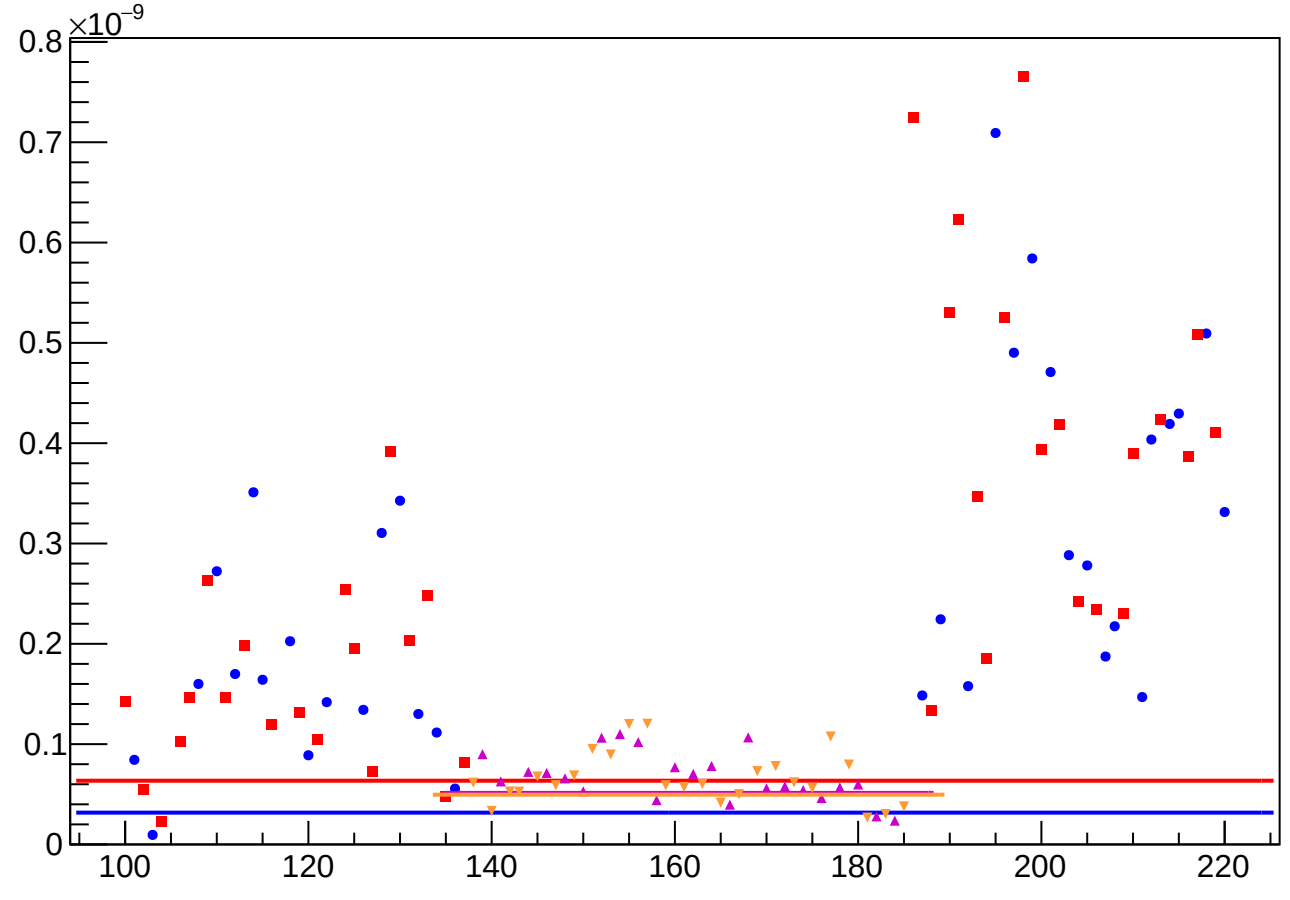
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: 0.000+/-0.000 χ^2/NDF: 96.4/69

In: -0.000+/-0.000 χ^2/NDF:61.7/55

Out: -0.000+/-0.000 χ^2/NDF:74.2/61

All: -0.000+/-0.000 χ^2/NDF: 136.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 19636724.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14434913.5/36

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

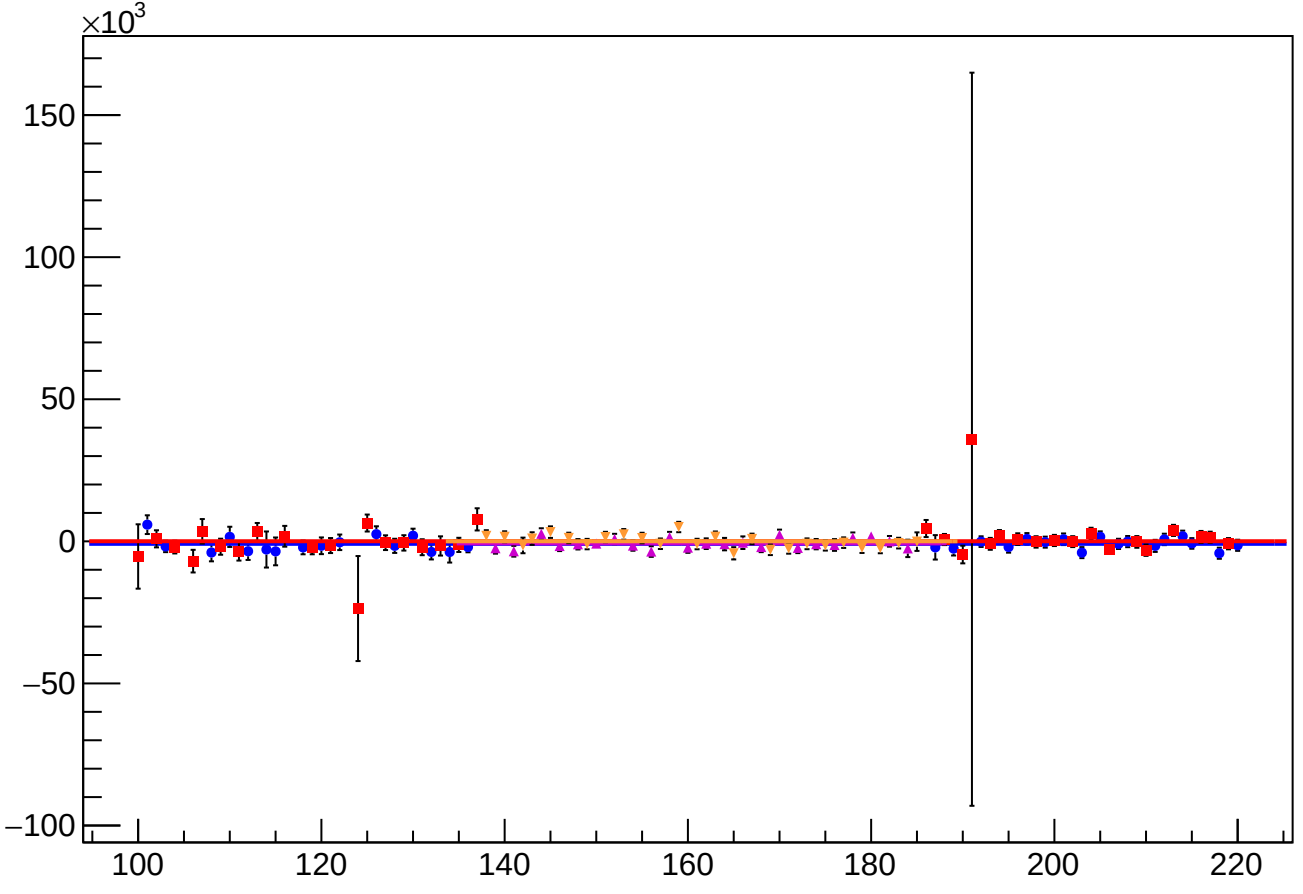
Right: 0.000+/-0.000 χ^2/NDF: 35614420.7/69

In: 0.000+/-0.000 χ^2/NDF:24479543.8/55

Out: 0.000+/-0.000 χ^2/NDF:18660127.2/61

All: 0.000+/-0.000 χ^2/NDF: 43564977.9/117

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -874.074+/-400.673 χ^2/NDF: 24.8/32

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 38.720+/-405.116 χ^2/NDF: 39.0/36

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

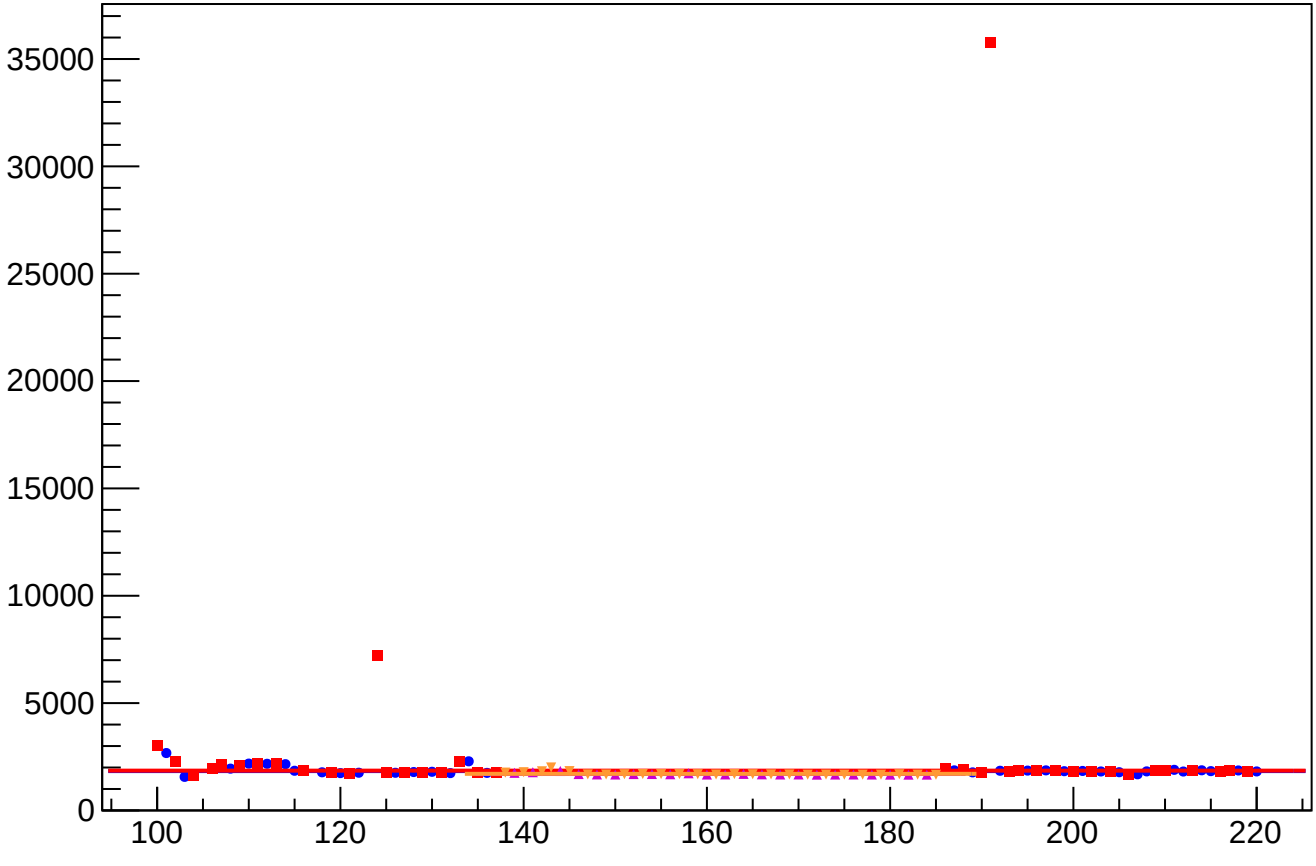
Right: -422.710+/-284.876 χ^2/NDF: 66.4/69

In: -795.970+/-281.813 χ^2/NDF:43.9/55

Out: 30.575+/-280.112 χ^2/NDF:68.5/61

All: -380.195+/-198.668 χ^2/NDF: 116.7/117

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1833.344+/-0.283 χ^2/NDF: 282129.5/32

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.441+/-0.286 χ^2/NDF: 537097.0/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

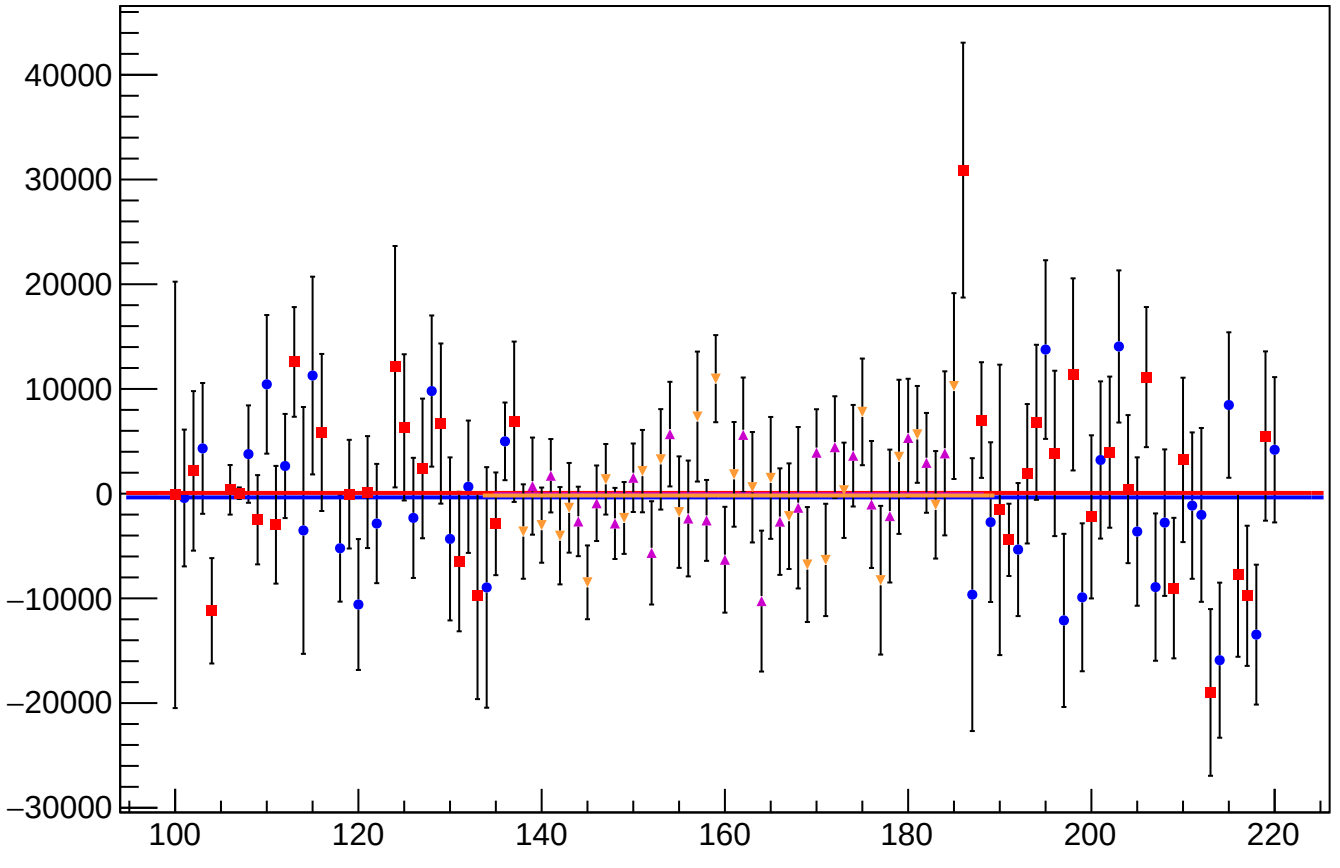
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1843.784+/-0.201 χ^2/NDF: 821970.5/69

In: 1764.709+/-0.199 χ^2/NDF:419418.1/55

Out: 1776.833+/-0.198 χ^2/NDF:737974.5/61

All: 1770.810+/-0.140 χ^2/NDF: 1159255.3/11



Right In: -356.488+/-1151.796 χ^2/NDF: 38.9/32

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 69.315+/-482.575 χ^2/NDF: 44.7/36

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

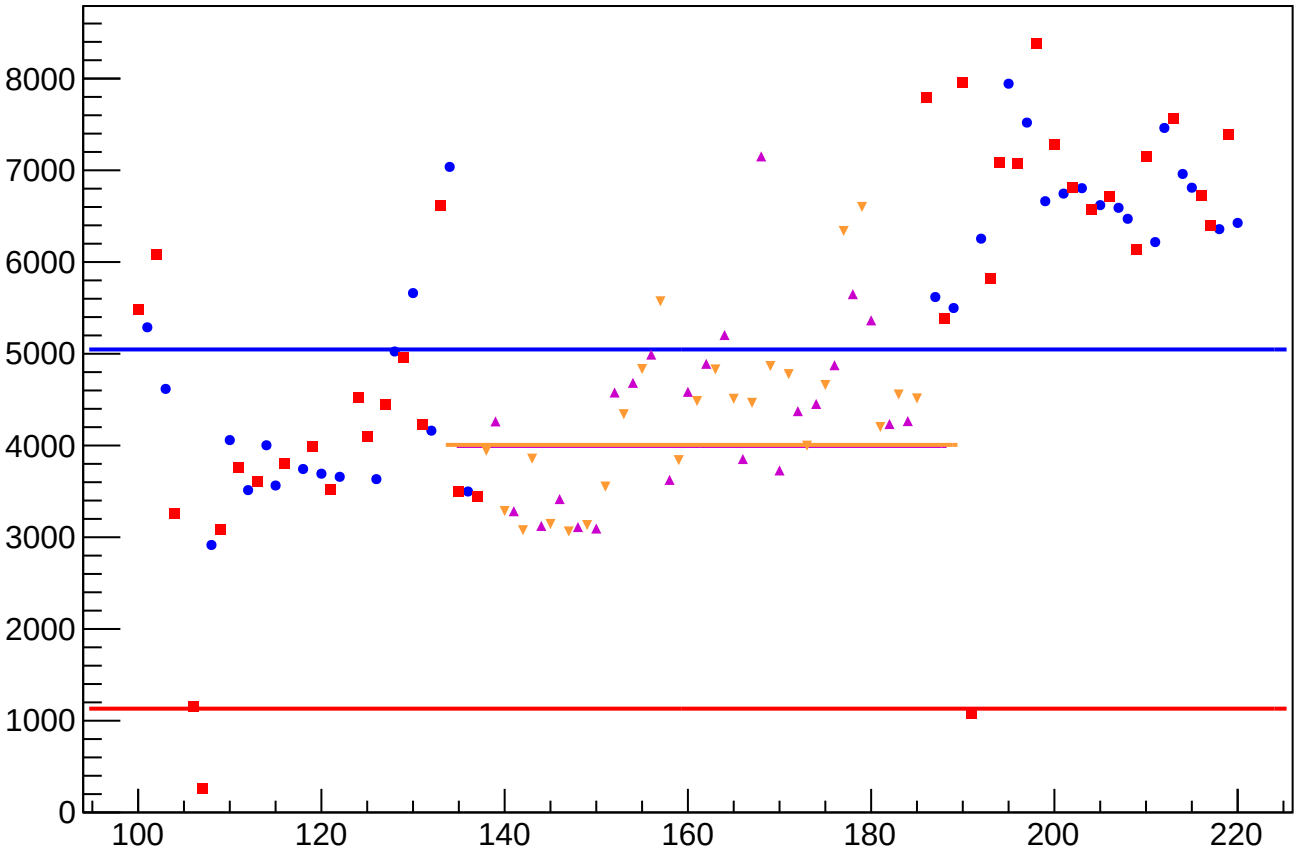
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 5.731+/-445.088 χ^2/NDF: 83.8/69

In: -178.894+/-735.798 χ^2/NDF:53.2/55

Out: 17.772+/-428.841 χ^2/NDF:72.7/61

All: -32.094+/-370.506 χ^2/NDF: 126.0/117



Right In: 5047.032+/-0.814 χ^2/NDF: 3395349.8/32

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1131.529+/-0.341 χ^2/NDF: 31103462.0/36

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

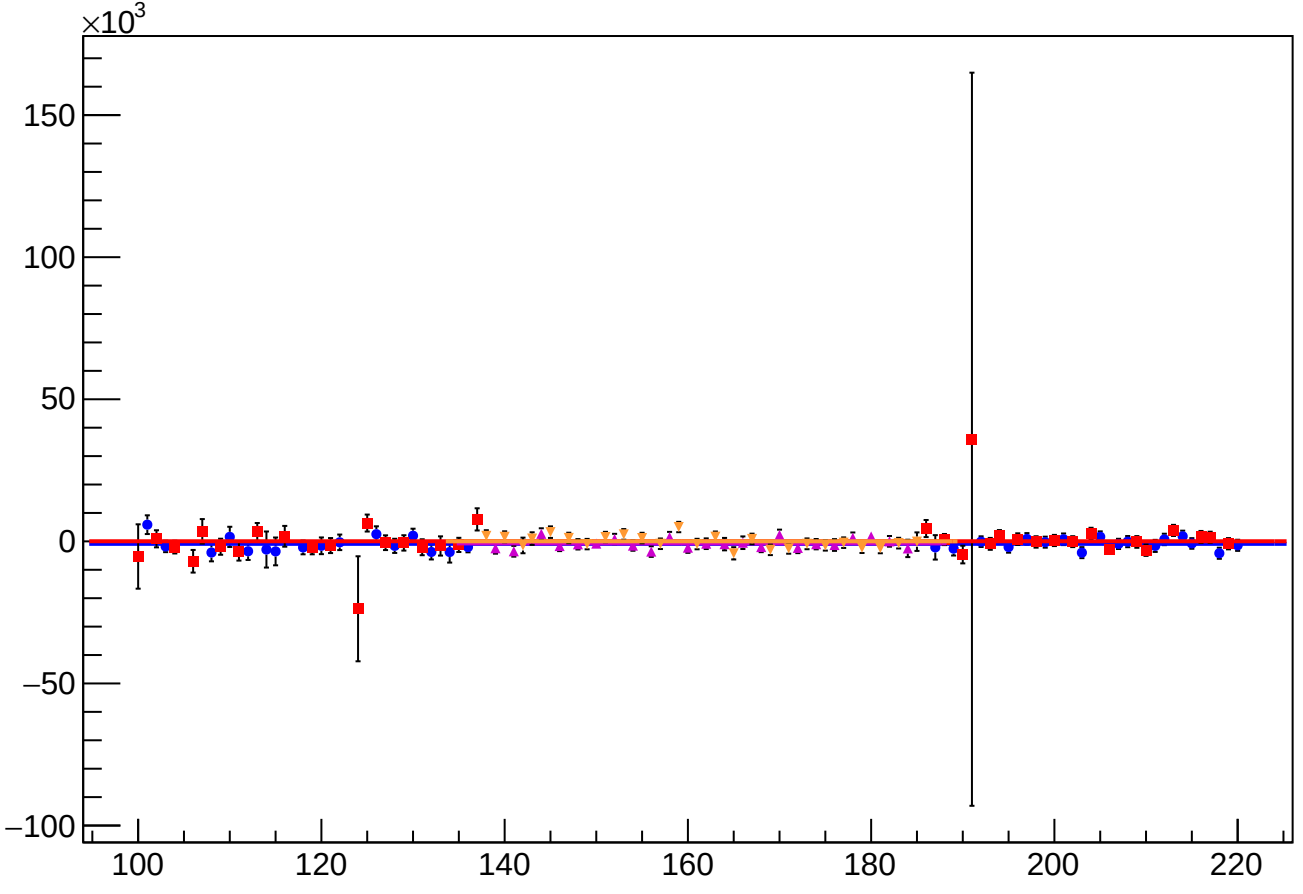
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1716.222+/-0.315 χ^2/NDF: 54160293.8/69

In: 4424.318+/-0.520 χ^2/NDF:5921123.2/55

Out: 1736.238+/-0.303 χ^2/NDF:47540434.1/61

All: 2417.814+/-0.262 χ^2/NDF: 73386402.8/1



Right In: -873.915+/-400.673 χ^2/NDF: 24.8/32

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 38.567+/-405.116 χ^2/NDF: 39.1/36

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

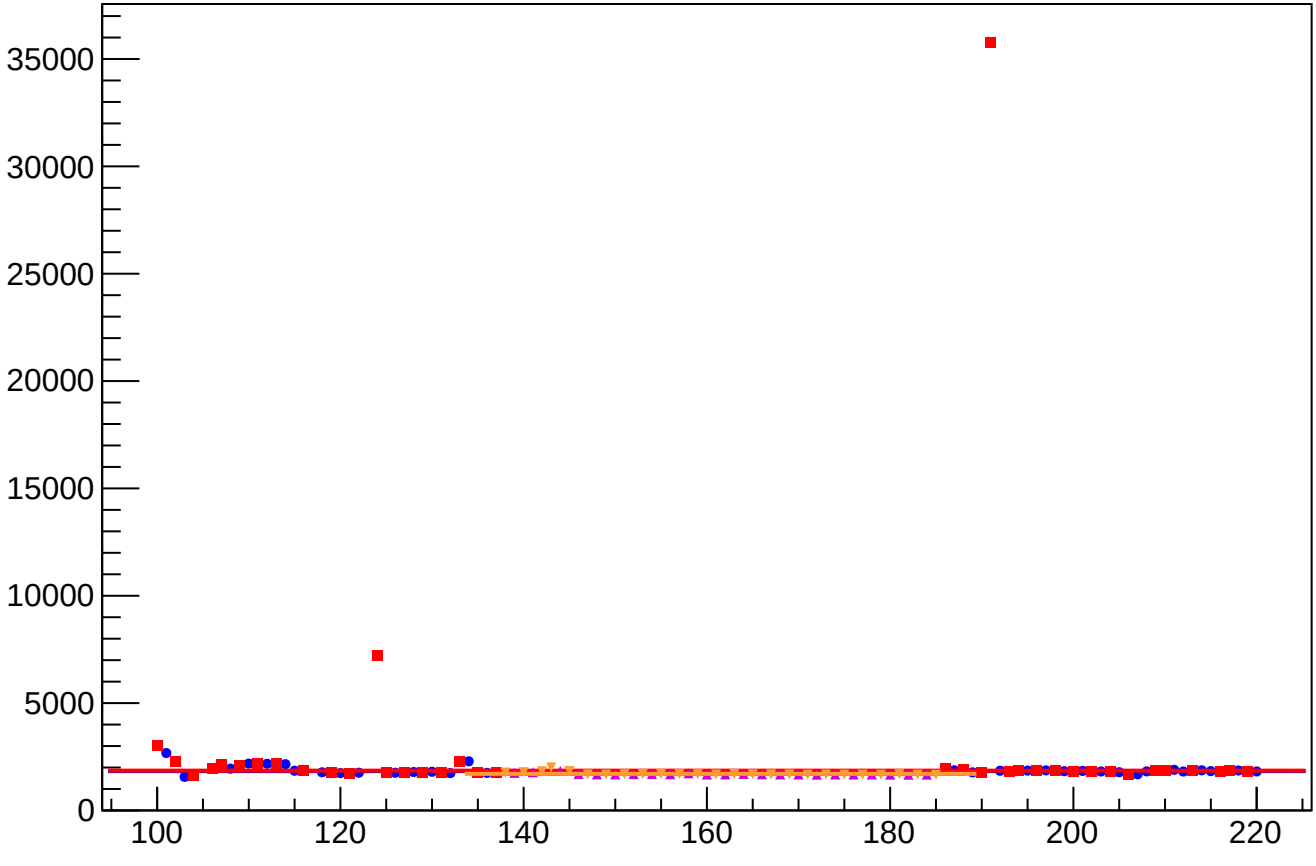
Right: -422.706+/-284.876 χ^2/NDF: 66.4/69

In: -795.829+/-281.813 χ^2/NDF:43.9/55

Out: 30.540+/-280.112 χ^2/NDF:68.5/61

All: -380.143+/-198.668 χ^2/NDF: 116.8/117

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1833.344+/-0.283 χ^2/NDF: 282128.7/32

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

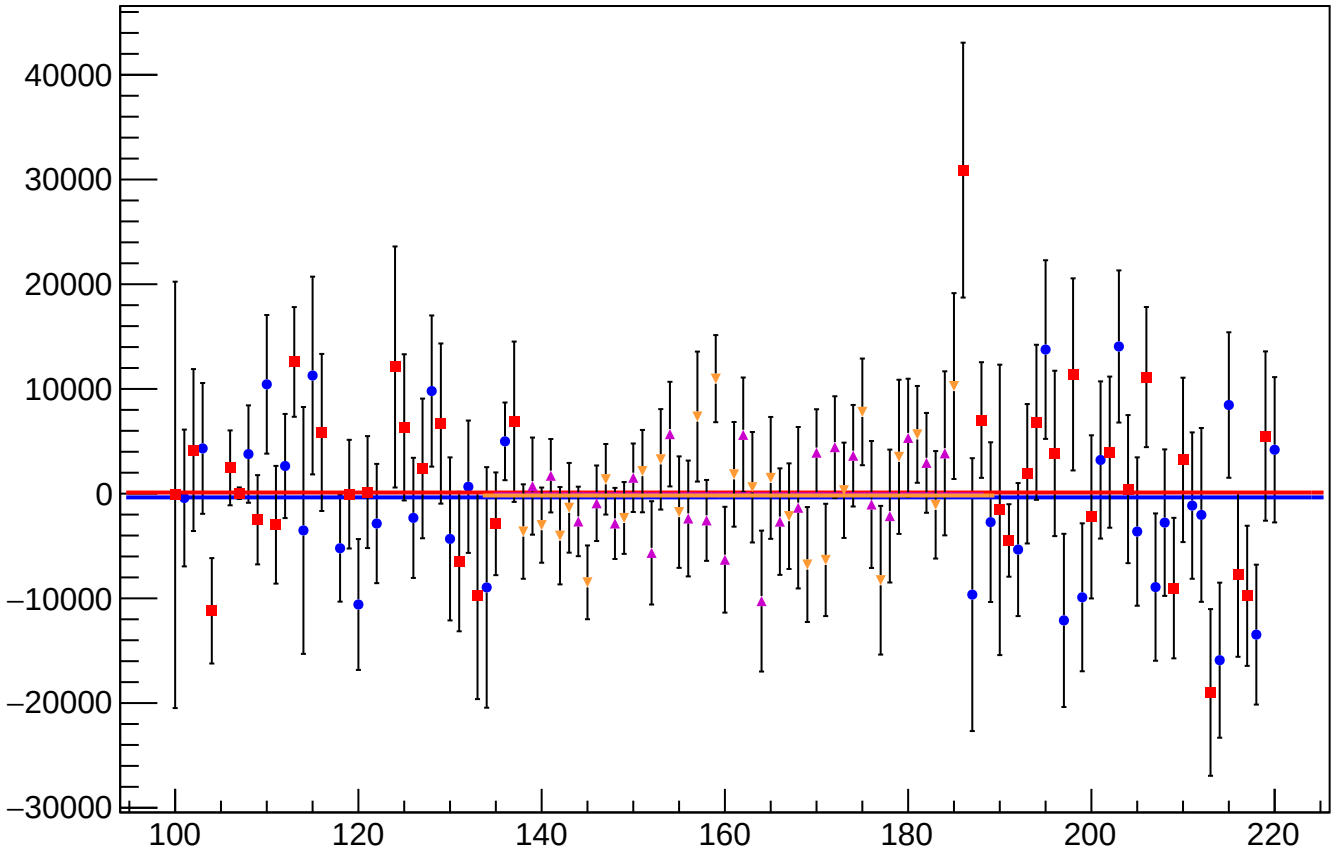
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1843.856+/-0.201 χ^2/NDF: 822355.2/69

In: 1764.709+/-0.199 χ^2/NDF:419417.6/55

Out: 1776.898+/-0.198 χ^2/NDF:738587.9/61

All: 1770.843+/-0.140 χ^2/NDF: 1159887.9/11



Right In: -356.537+/-1151.799 χ^2/NDF: 38.9/32

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 107.940+/-488.327 χ^2/NDF: 45.4/36

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

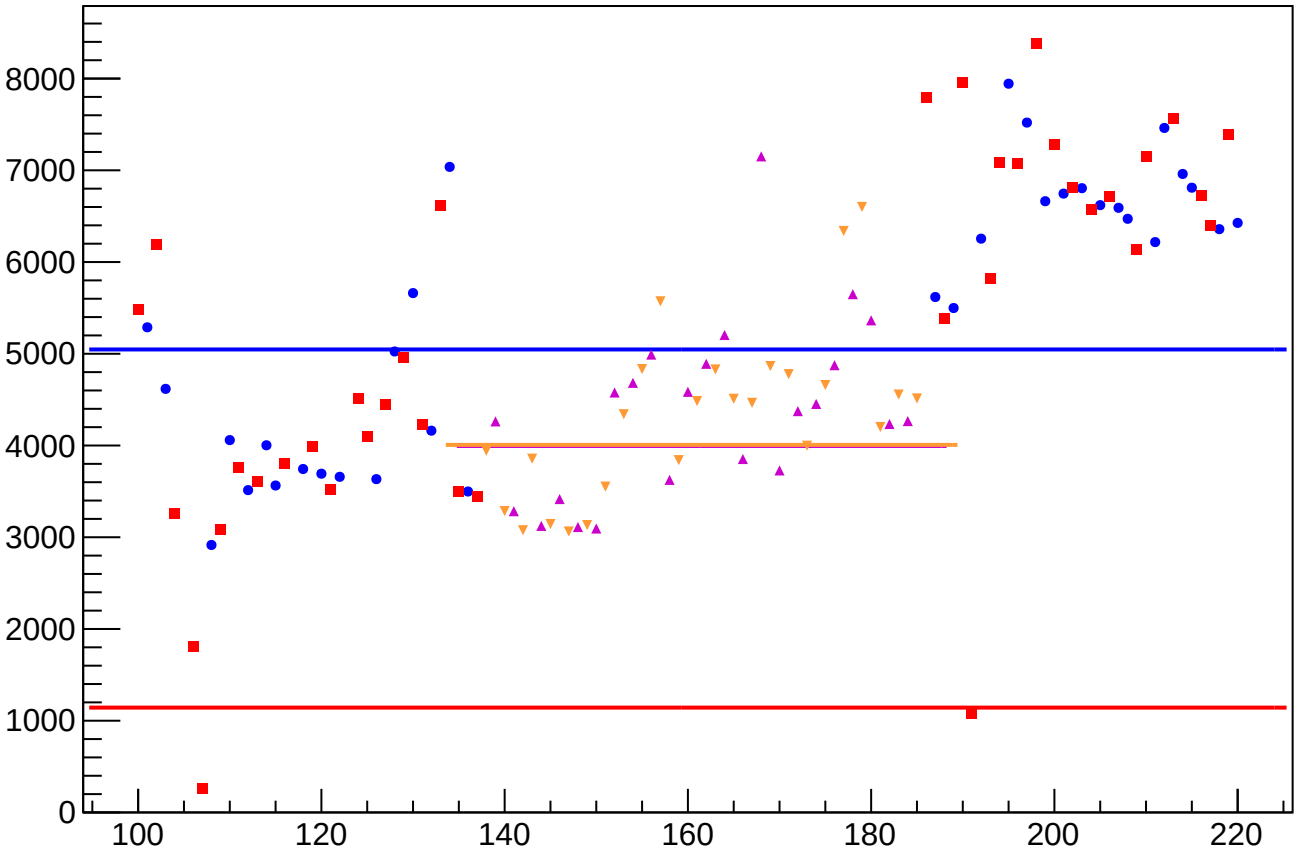
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 37.171+/-449.589 χ^2/NDF: 84.4/69

In: -178.872+/-735.799 χ^2/NDF:53.2/55

Out: 47.155+/-432.862 χ^2/NDF:73.4/61

All: -10.957+/-373.090 χ^2/NDF: 126.7/117



Right In: 5047.042+/-0.814 χ^2/NDF: 3395347.4/32

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

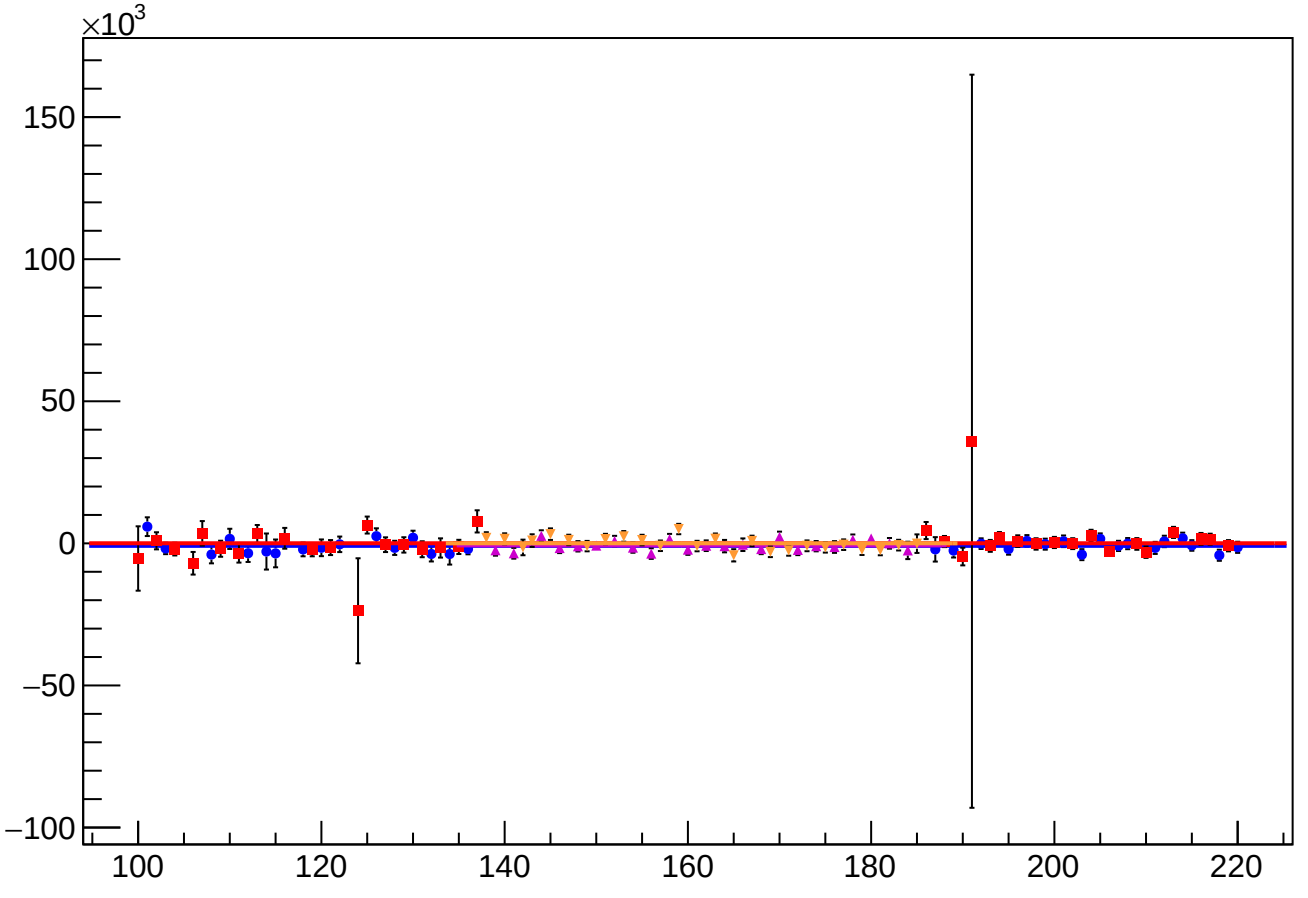
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1737.774+/-0.318 χ^2/NDF: 54059057.9/69

In: 4424.320+/-0.520 χ^2/NDF:5921124.4/55

Out: 1756.593+/-0.306 χ^2/NDF:47430702.3/61

All: 2442.476+/-0.264 χ^2/NDF: 72882767.9/1



Right In: -873.915+/-400.673 χ^2/NDF: 24.8/32

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 38.567+/-405.116 χ^2/NDF: 39.1/36

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

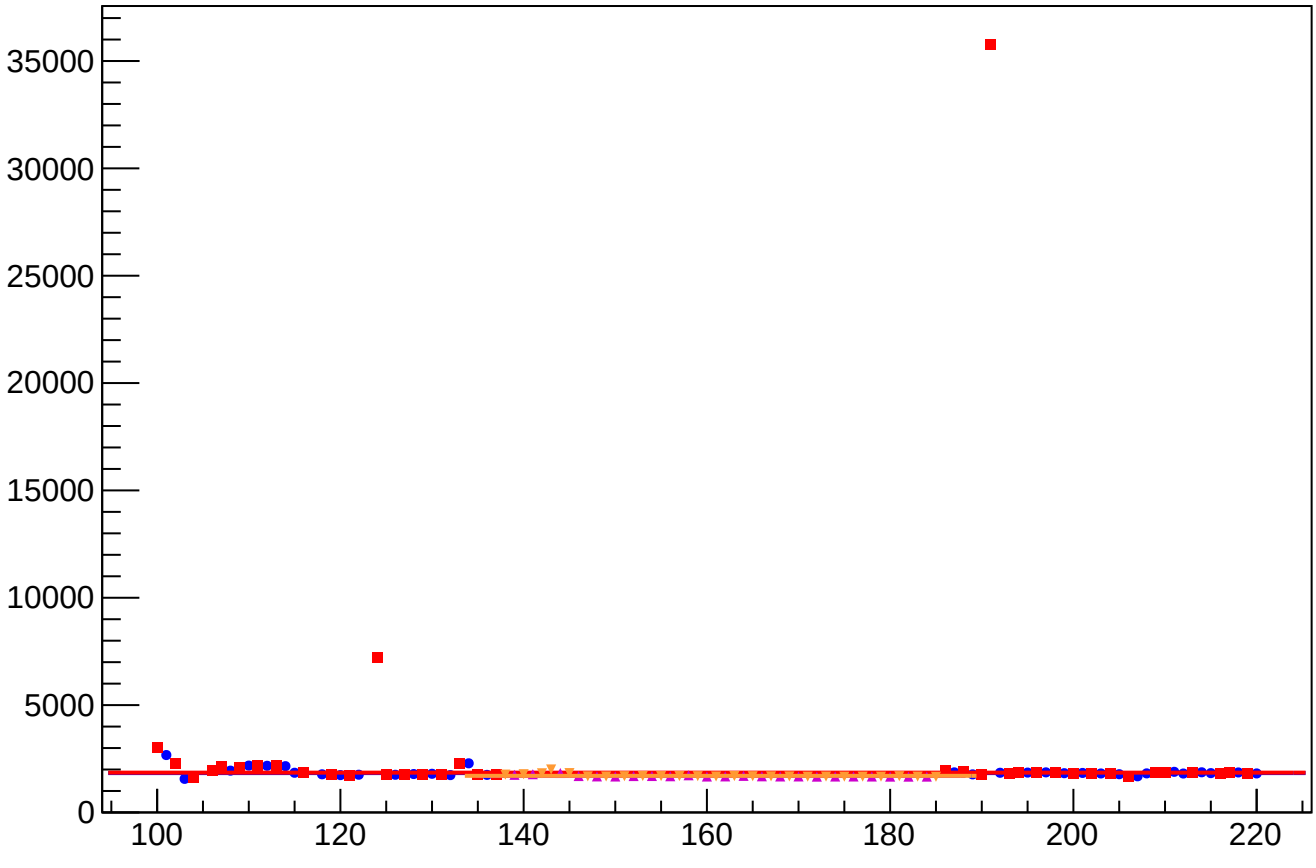
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -422.706+/-284.876 χ^2/NDF: 66.4/69

In: -795.829+/-281.813 χ^2/NDF:43.9/55

Out: 30.540+/-280.112 χ^2/NDF:68.5/61

All: -380.143+/-198.668 χ^2/NDF: 116.8/117



Right In: 1833.344+/-0.283 χ^2/NDF: 282128.7/32

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

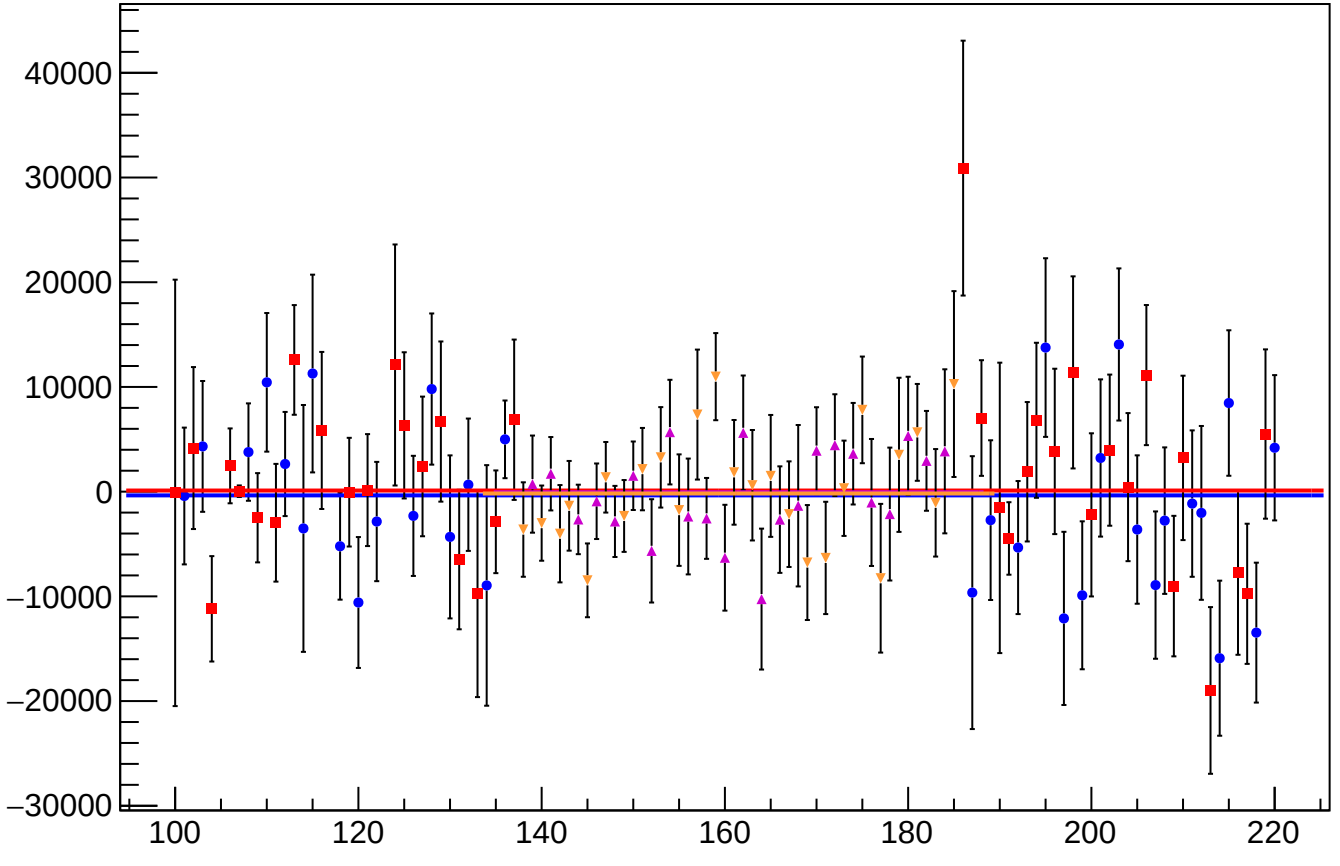
Right: 1843.856+/-0.201 χ^2/NDF: 822355.2/69

In: 1764.709+/-0.199 χ^2/NDF:419417.6/55

Out: 1776.898+/-0.198 χ^2/NDF:738587.9/61

All: 1770.843+/-0.140 χ^2/NDF: 1159887.9/11

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -356.537+/-1151.799 χ^2/NDF: 38.9/32

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 107.940+/-488.327 χ^2/NDF: 45.4/36

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

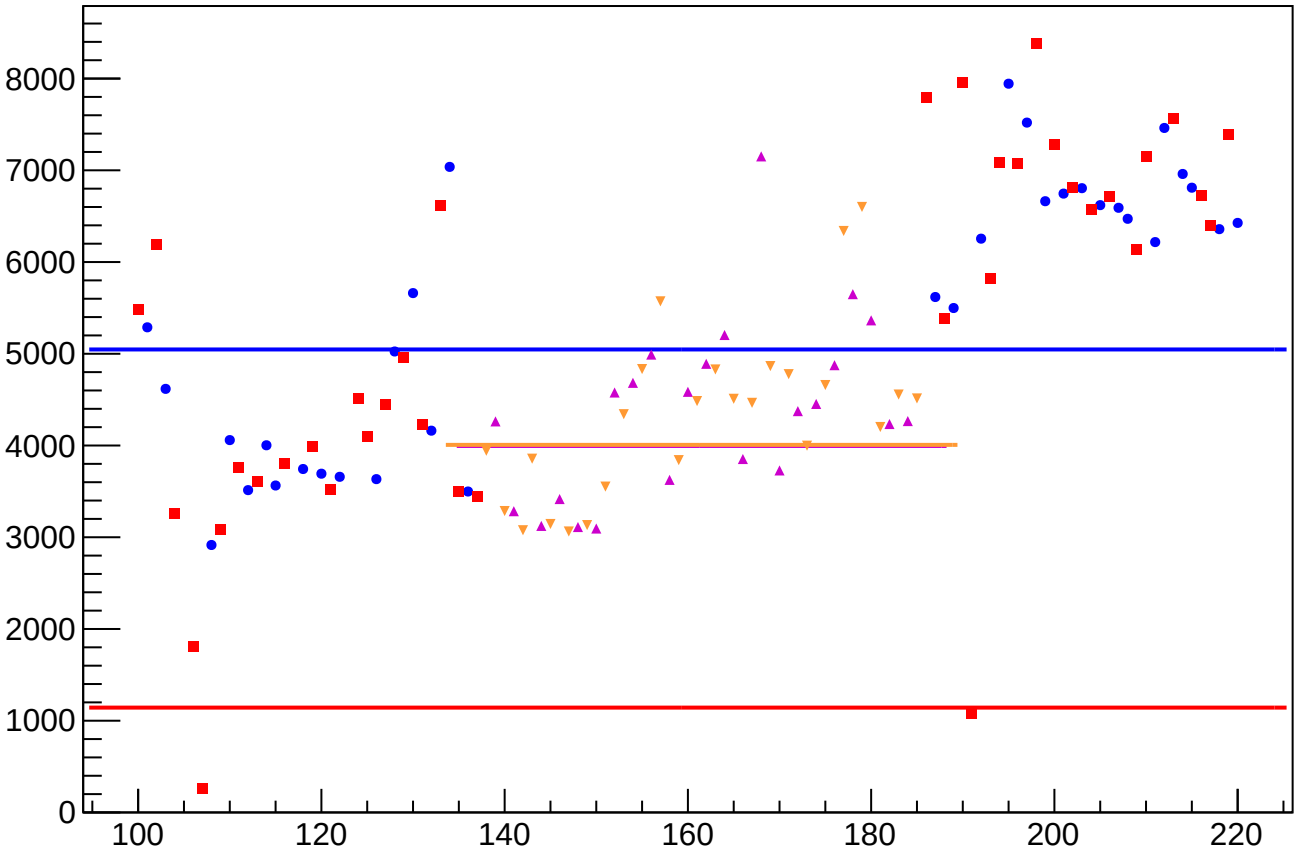
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 37.171+/-449.589 χ^2/NDF: 84.4/69

In: -178.872+/-735.799 χ^2/NDF:53.2/55

Out: 47.155+/-432.862 χ^2/NDF:73.4/61

All: -10.957+/-373.090 χ^2/NDF: 126.7/117



Right In: 5047.042+/-0.814 χ^2/NDF: 3395347.4/32

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

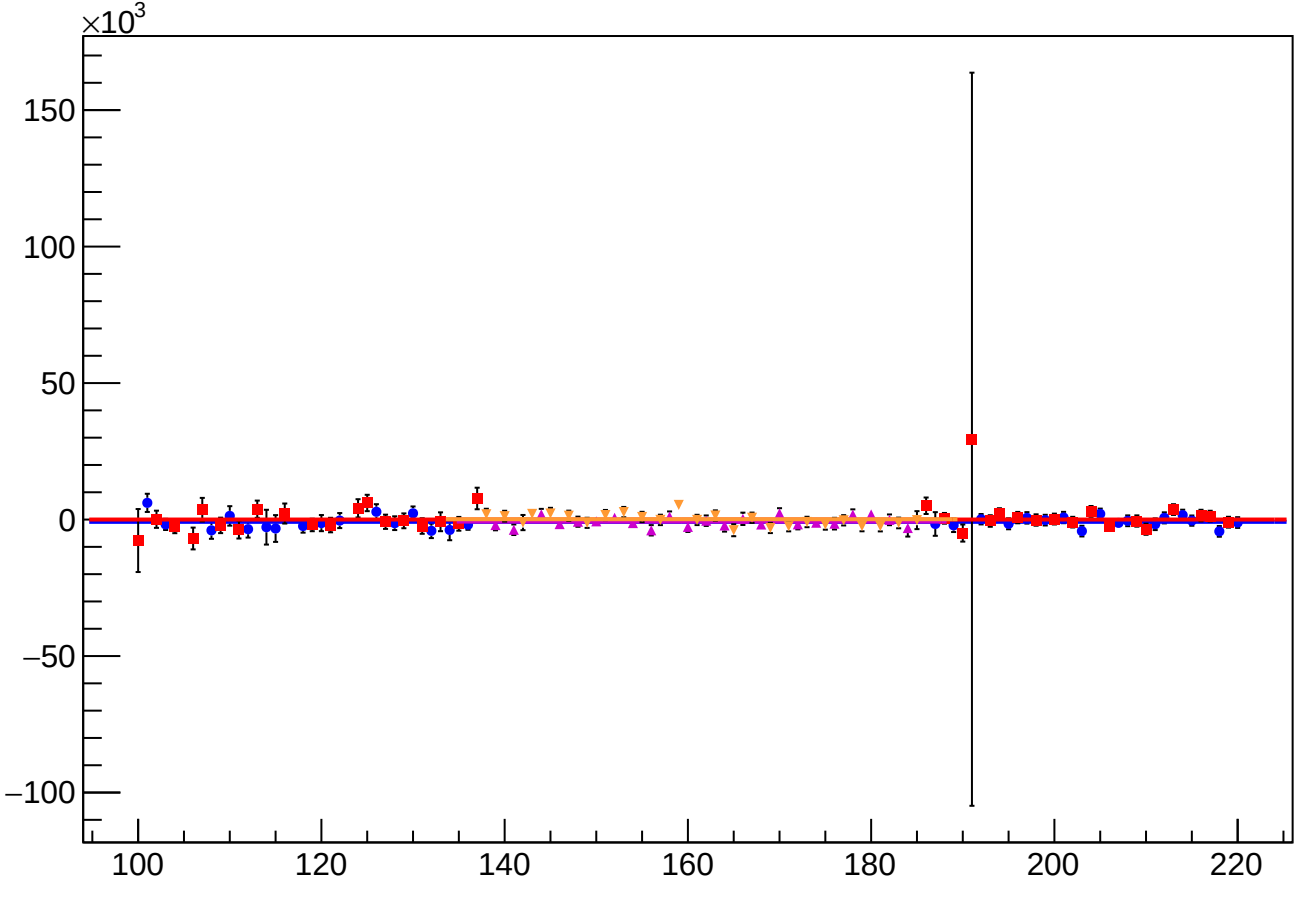
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1737.774+/-0.318 χ^2/NDF: 54059057.9/69

In: 4424.320+/-0.520 χ^2/NDF:5921124.4/55

Out: 1756.593+/-0.306 χ^2/NDF:47430702.3/61

All: 2442.476+/-0.264 χ^2/NDF: 72882767.9/



Right In: -835.573+/-404.356 χ^2/NDF: 26.0/32

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 11.621+/-406.717 χ^2/NDF: 40.5/36

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

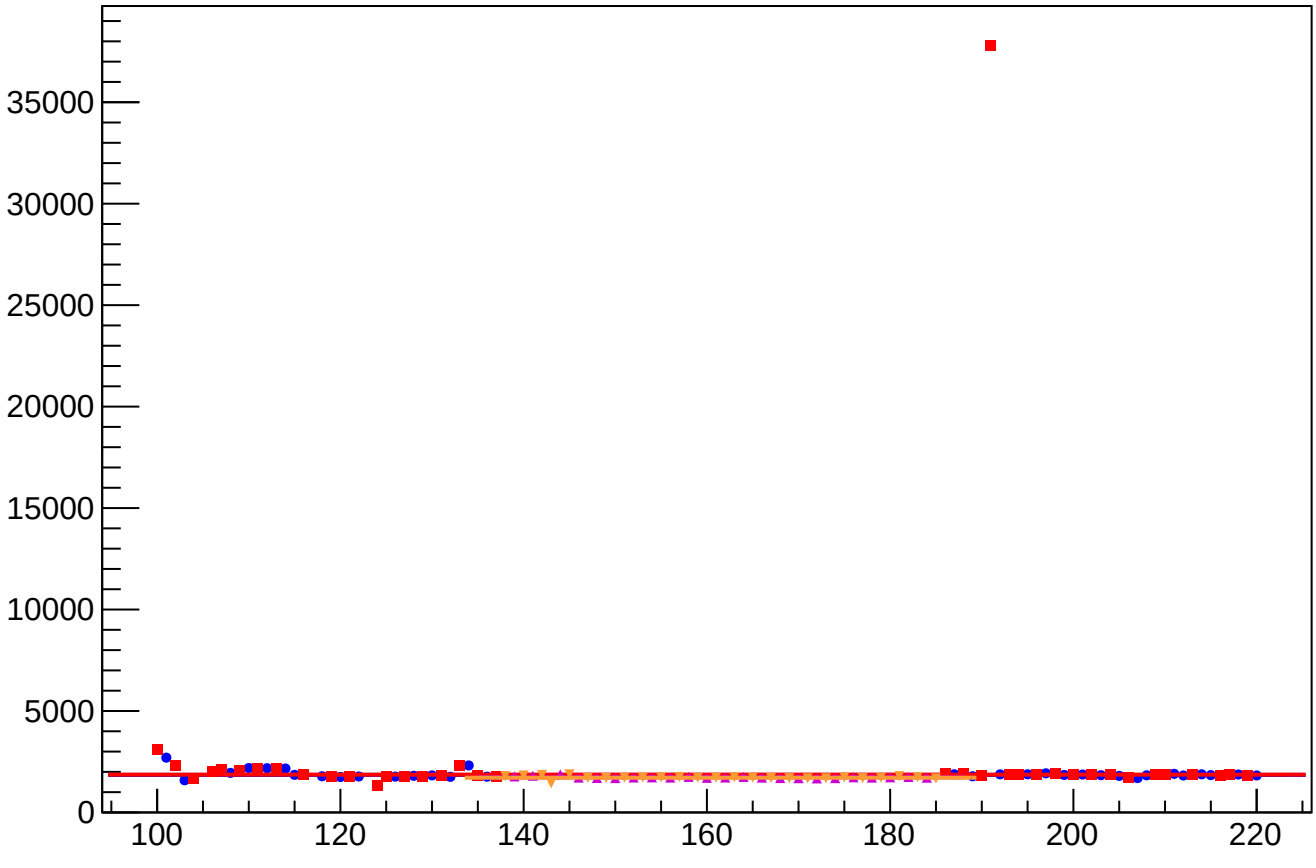
Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

Right: -414.442+/-286.754 χ^2/NDF: 68.6/69

In: -788.359+/-285.854 χ^2/NDF:45.0/55

Out: 68.137+/-281.292 χ^2/NDF:70.2/61

All: -353.222+/-200.497 χ^2/NDF: 119.8/117



Right In: 1850.032+/-0.286 χ^2/NDF: 281742.2/32

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1863.247+/-0.288 χ^2/NDF: 431906.0/36

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

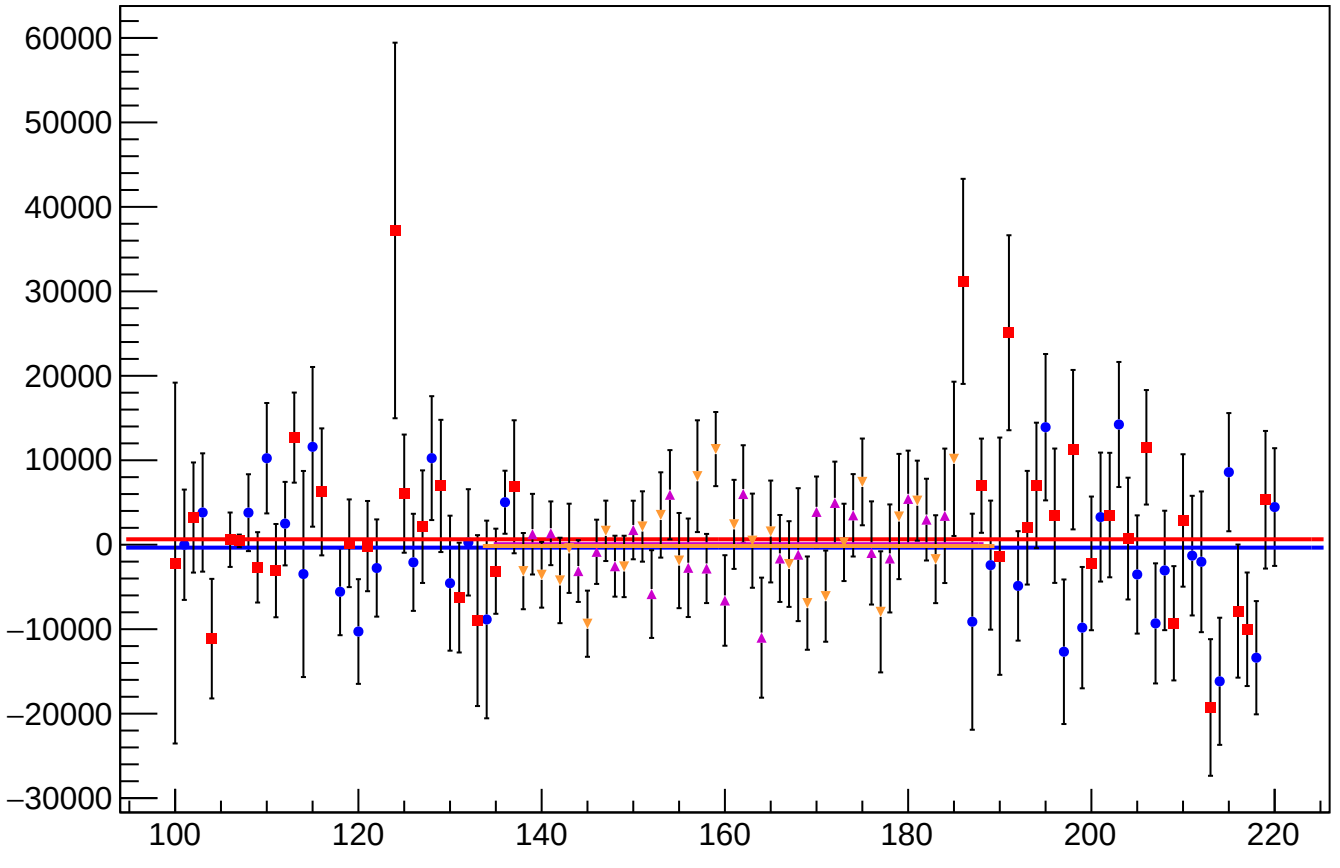
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1856.603+/-0.203 χ^2/NDF: 714710.3/69

In: 1790.158+/-0.202 χ^2/NDF:392477.7/55

Out: 1784.529+/-0.199 χ^2/NDF:670038.4/61

All: 1787.298+/-0.142 χ^2/NDF: 1062910.2/11



Right In: -344.146+/-1161.259 χ^2/NDF: 38.6/32

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 645.306+/-619.350 χ^2/NDF: 46.5/36

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

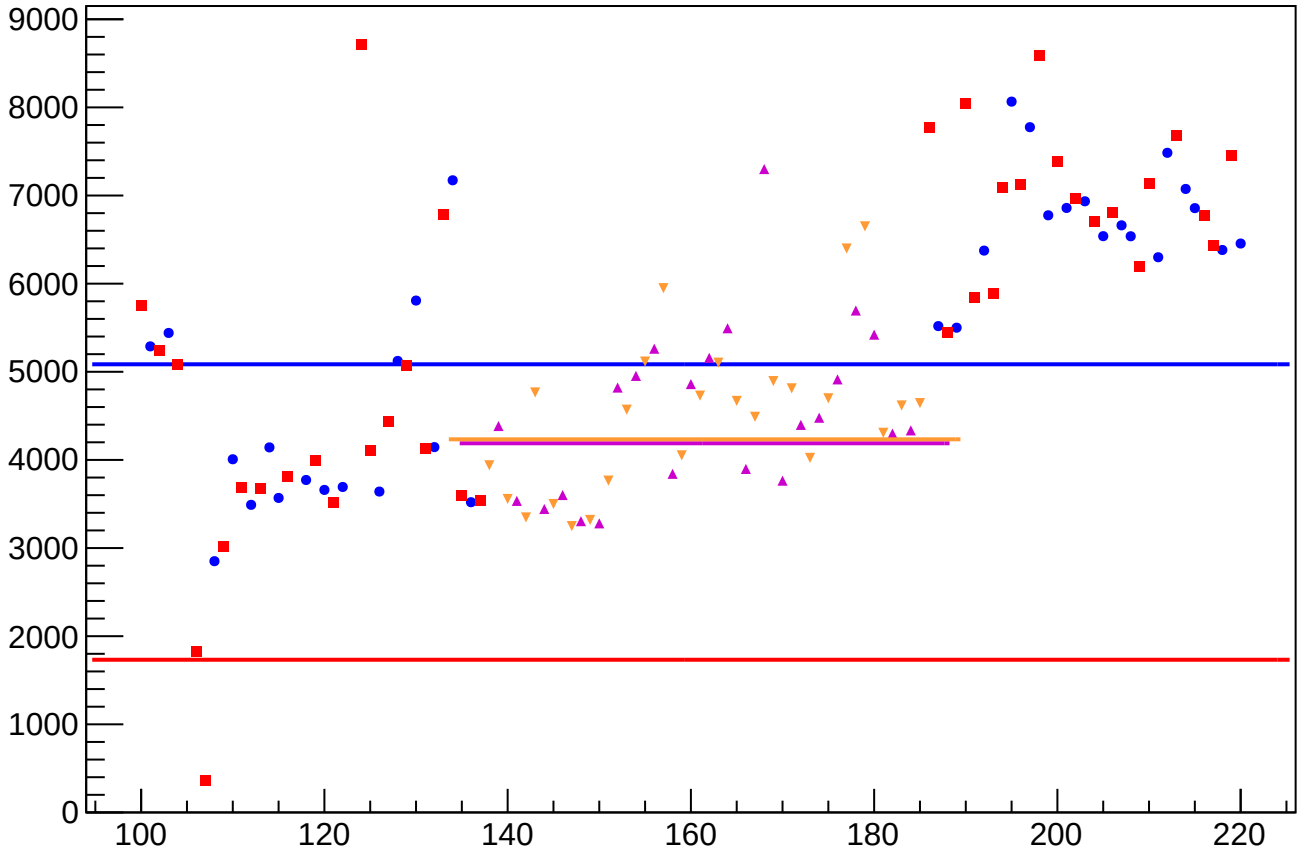
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 426.182+/-546.483 χ^2/NDF: 85.6/69

In: -109.139+/-757.806 χ^2/NDF:52.7/55

Out: 419.909+/-524.312 χ^2/NDF:73.8/61

All: 248.640+/-431.171 χ^2/NDF: 126.8/117



Right In: 5085.087+/-0.821 χ^2/NDF: 3550112.0/32

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1732.683+/-0.438 χ^2/NDF: 27145805.5/36

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

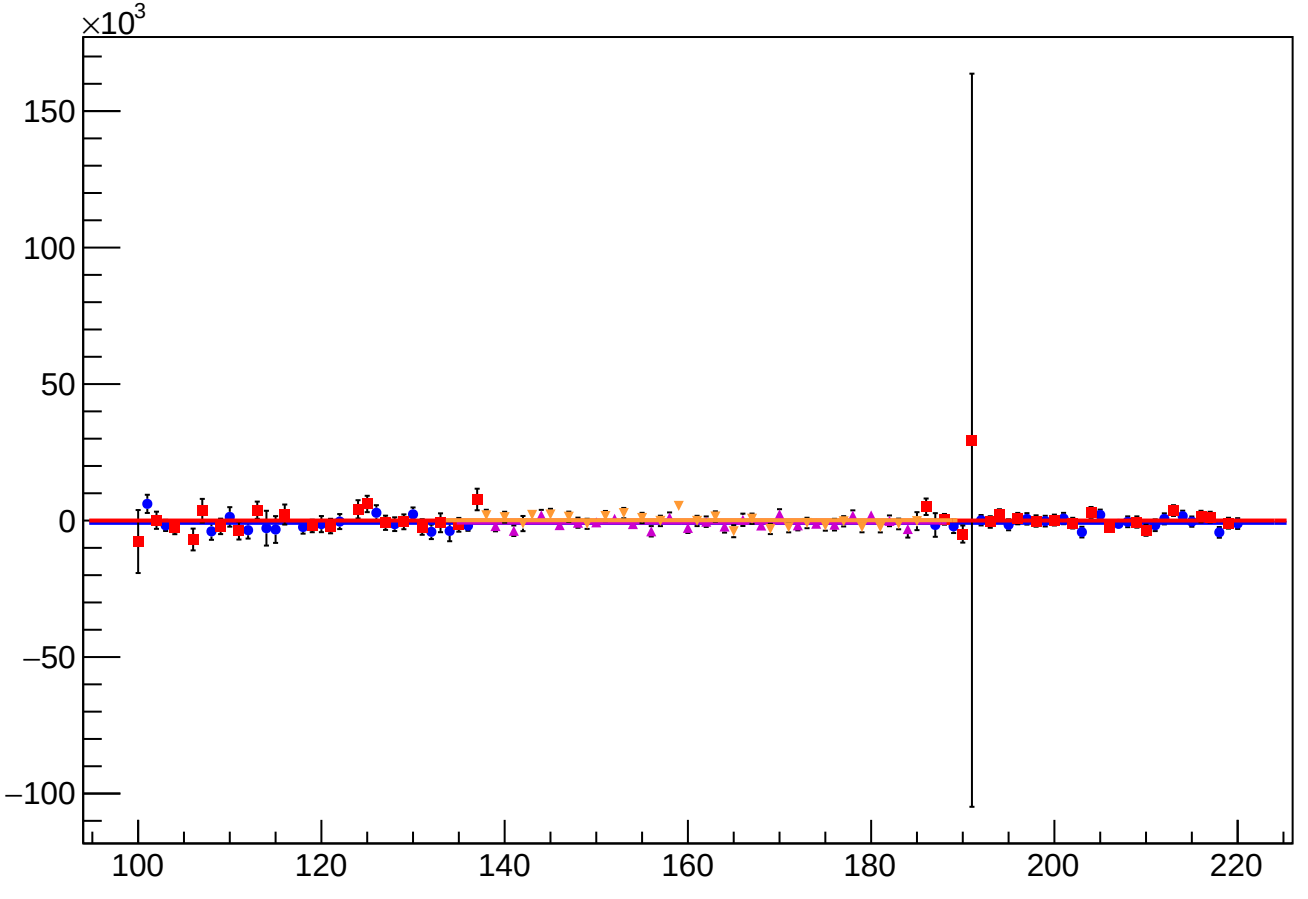
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2475.106+/-0.386 χ^2/NDF: 43672662.3/69

In: 4570.528+/-0.536 χ^2/NDF:5578655.3/55

Out: 2441.401+/-0.371 χ^2/NDF:37672971.4/61

All: 3130.664+/-0.305 χ^2/NDF: 53928309.9/1



Right In: -835.569+/-404.356 χ^2/NDF: 26.0/32

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 11.620+/-406.717 χ^2/NDF: 40.5/36

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

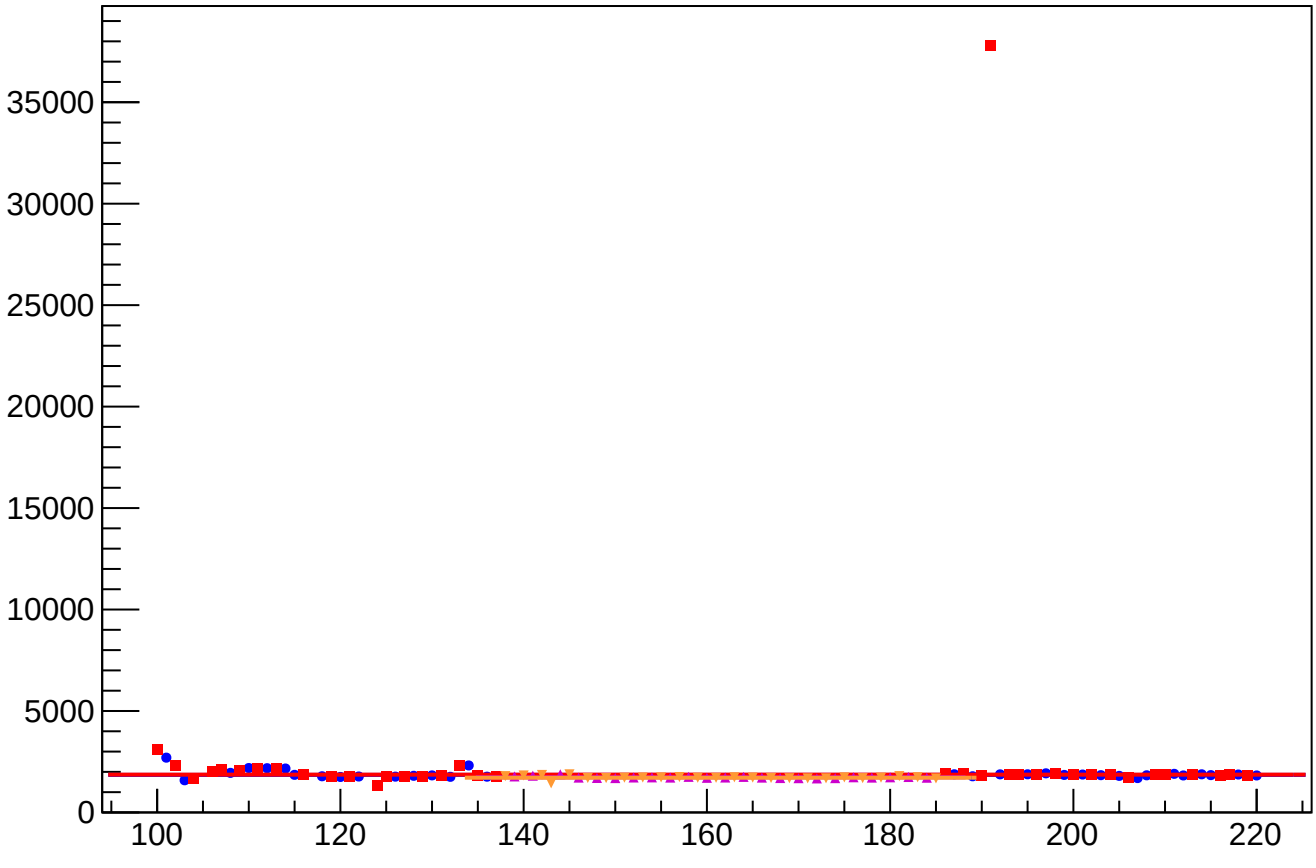
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -414.440+/-286.754 χ^2/NDF: 68.6/69

In: -788.356+/-285.854 χ^2/NDF:45.0/55

Out: 68.138+/-281.292 χ^2/NDF:70.2/61

All: -353.220+/-200.497 χ^2/NDF: 119.8/117



Right In: 1850.032+/-0.286 χ^2/NDF: 281742.1/32

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1863.247+/-0.288 χ^2/NDF: 431906.2/36

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

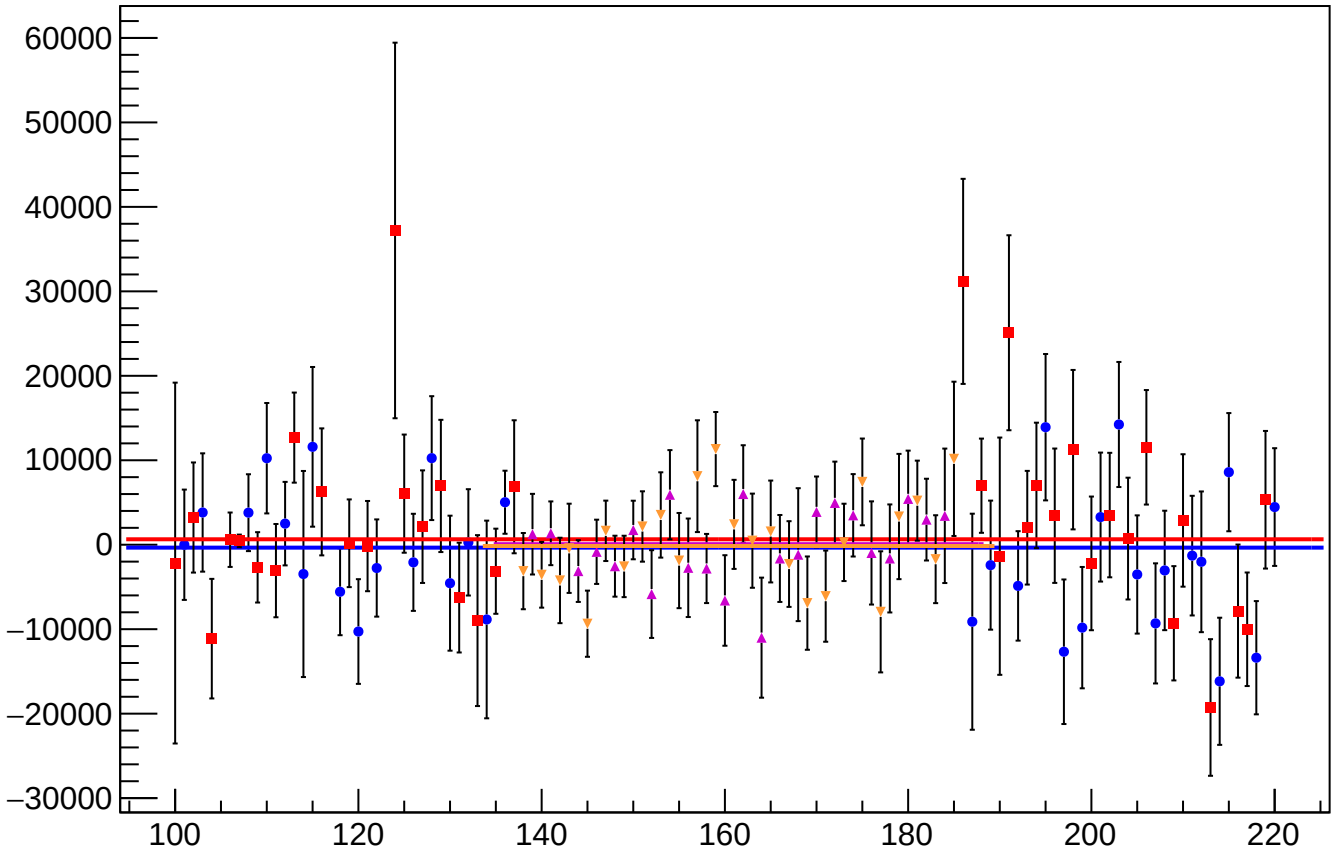
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1856.603+/-0.203 χ^2/NDF: 714710.5/69

In: 1790.158+/-0.202 χ^2/NDF:392476.7/55

Out: 1784.529+/-0.199 χ^2/NDF:670036.9/61

All: 1787.298+/-0.142 χ^2/NDF: 1062907.6/11



Right In: -344.154+/-1161.258 χ^2/NDF: 38.6/32

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 645.316+/-619.359 χ^2/NDF: 46.5/36

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

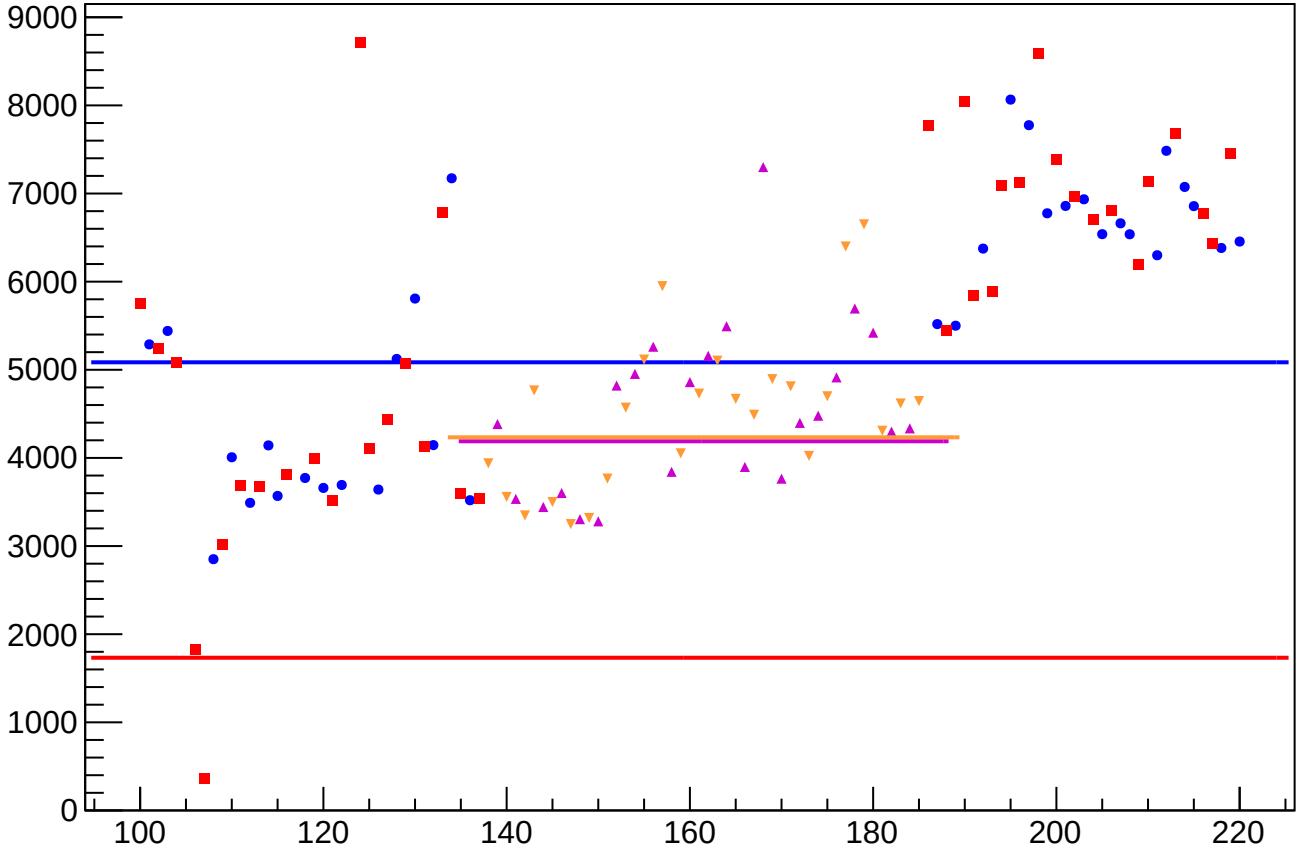
Right: 426.183+/-546.489 χ^2/NDF: 85.6/69

In: -109.141+/-757.807 χ^2/NDF:52.7/55

Out: 419.912+/-524.318 χ^2/NDF:73.8/61

All: 248.639+/-431.175 χ^2/NDF: 126.8/117

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5085.083+/-0.821 χ^2/NDF: 3550138.0/32

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1732.728+/-0.438 χ^2/NDF: 27145437.3/36

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

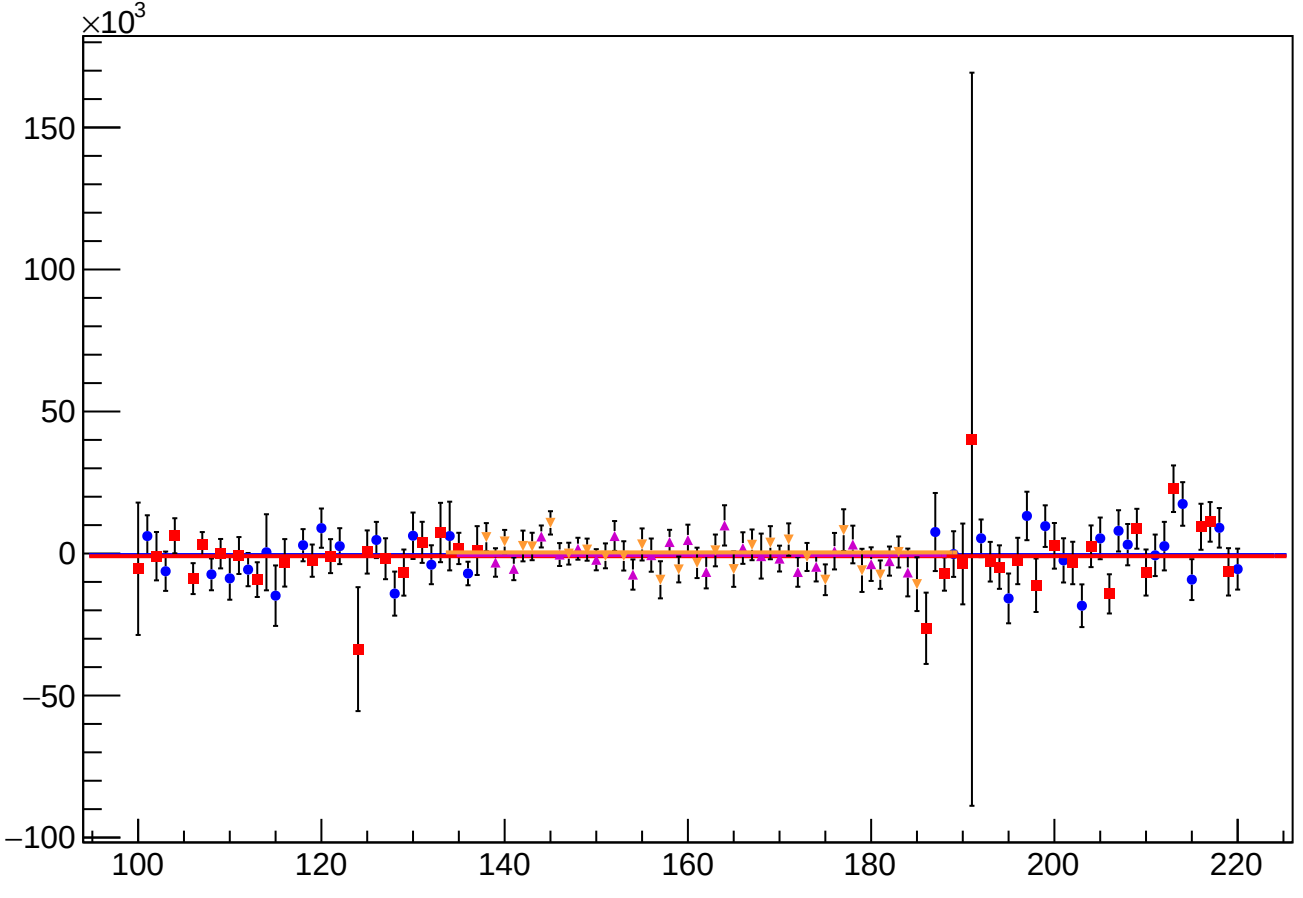
Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

Right: 2475.158+/-0.386 χ^2/NDF: 43671859.2/69

In: 4570.530+/-0.536 χ^2/NDF:5578670.3/55

Out: 2441.449+/-0.371 χ^2/NDF:37672214.7/61

All: 3130.707+/-0.305 χ^2/NDF: 53927028.4/



Right In: -541.662+/-1249.631 χ^2/NDF: 42.8/32

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -946.487+/-1199.098 χ^2/NDF: 37.6/36

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

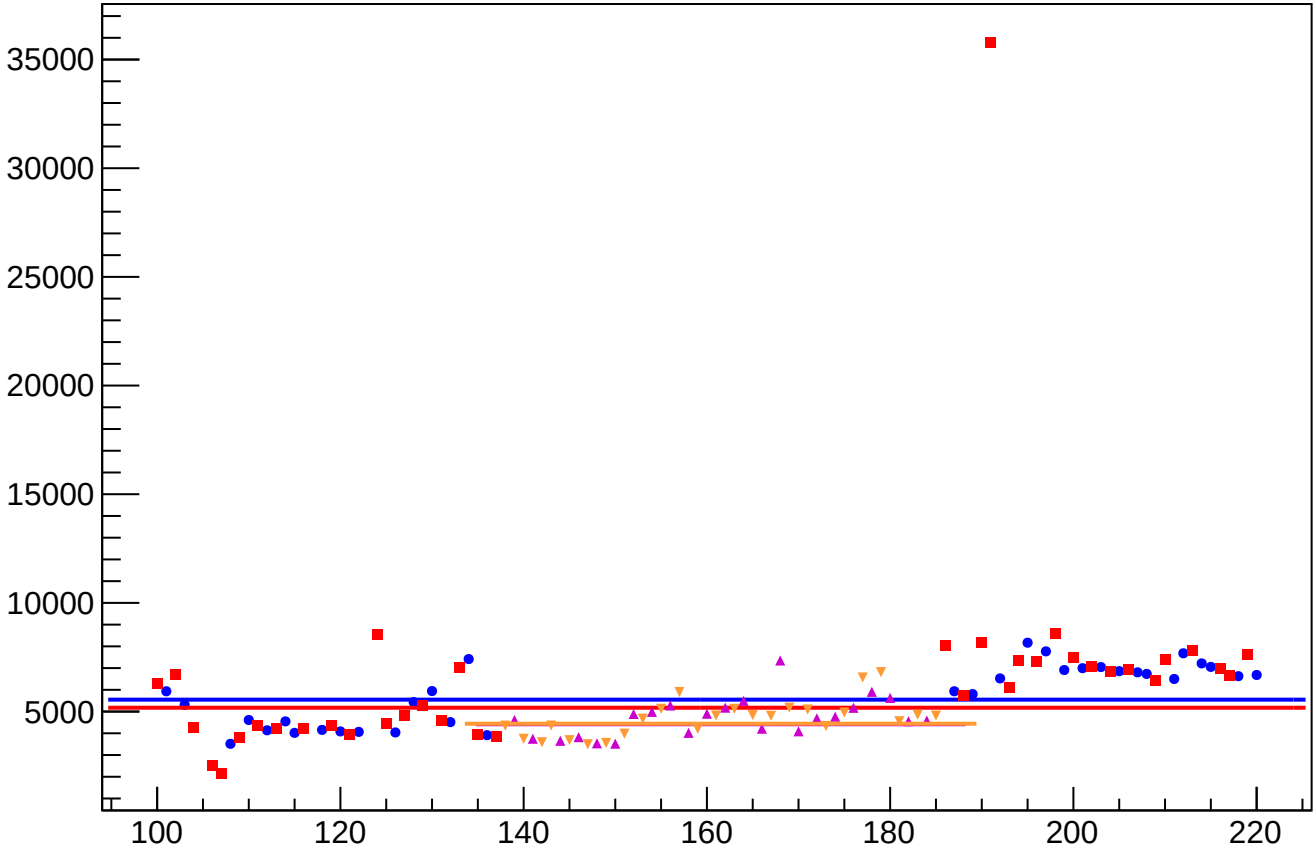
Right: -752.425+/-865.204 χ^2/NDF: 80.5/69

In: -518.993+/-803.749 χ^2/NDF:60.1/55

Out: -171.640+/-780.640 χ^2/NDF:63.1/61

All: -340.251+/-559.987 χ^2/NDF: 123.3/117

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5547.959+/-0.884 χ^2/NDF: 2505843.1/32

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 5176.324+/-0.843 χ^2/NDF: 4579174.2/36

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

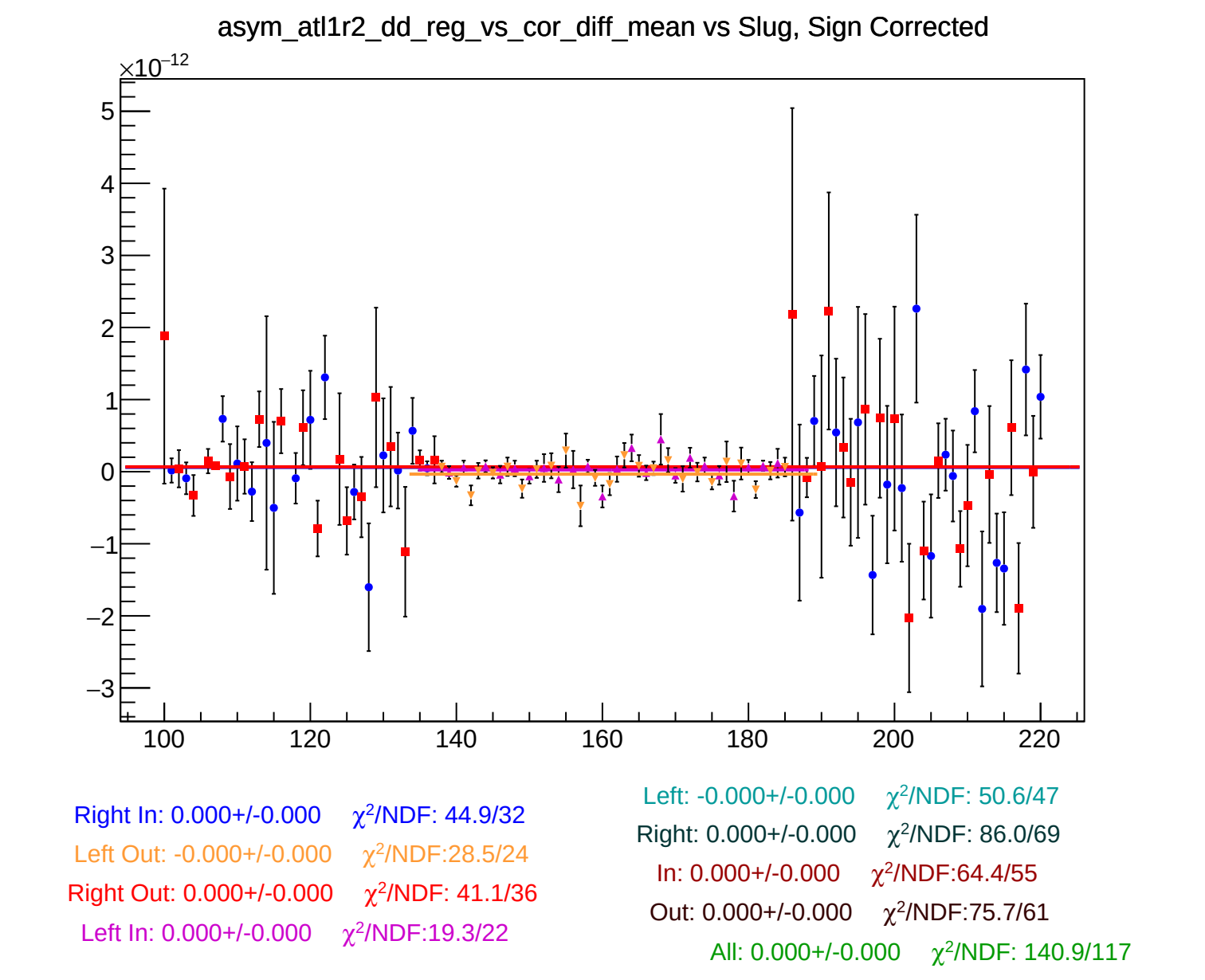
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

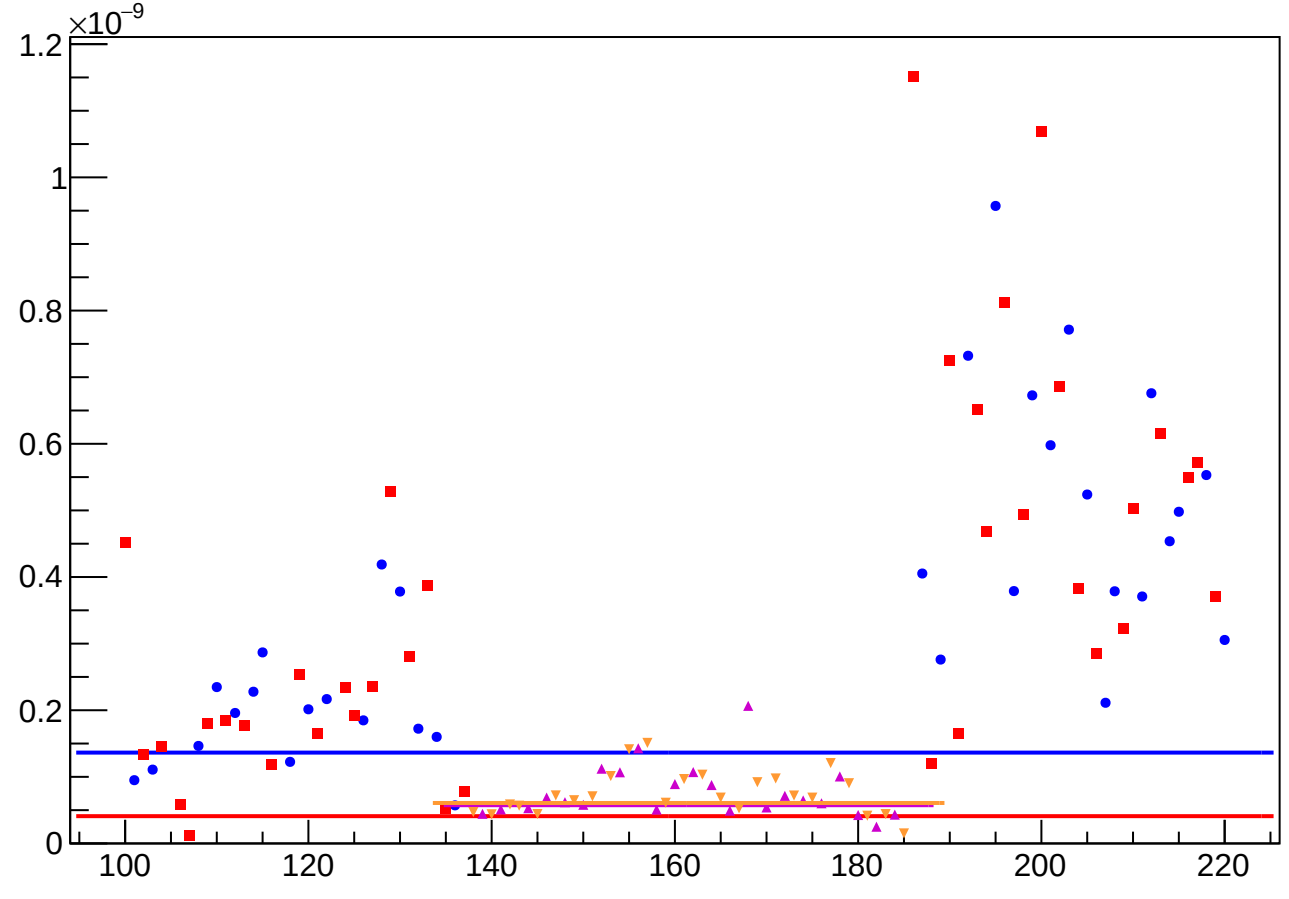
Right: 5353.360+/-0.610 χ^2/NDF: 7177641.4/69

In: 4883.911+/-0.568 χ^2/NDF:4580506.0/55

Out: 4754.705+/-0.551 χ^2/NDF:6088865.1/61

All: 4817.259+/-0.395 χ^2/NDF: 10696032.7/1


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 44.9/32
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.1/36
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: 86.0/69
In: 0.000+/-0.000 χ²/NDF:64.4/55
Out: 0.000+/-0.000 χ²/NDF:75.7/61
All: 0.000+/-0.000 χ²/NDF: 140.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 8125069.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13918385.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

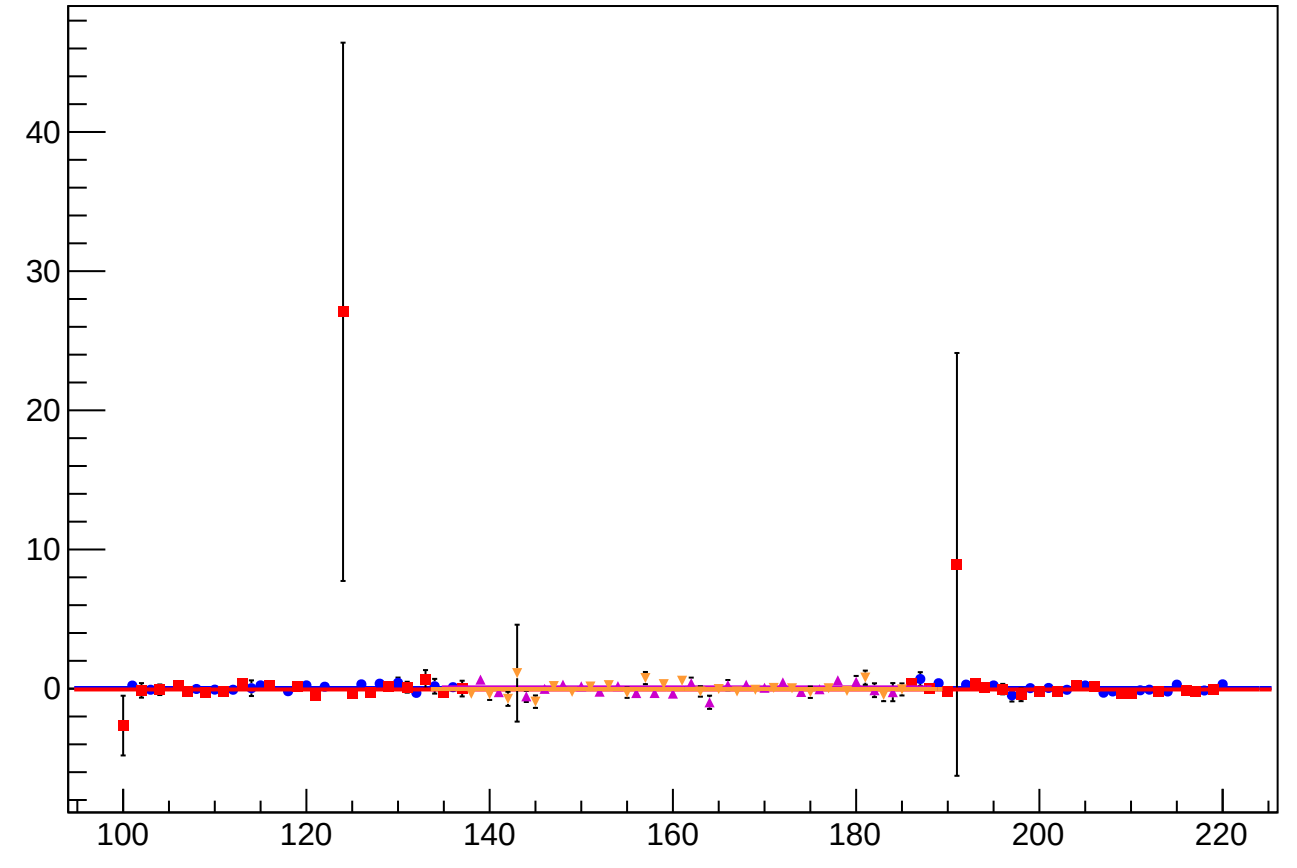
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 25569429.9/69

In: 0.000+/-0.000 χ^2/NDF:12656021.3/55

Out: 0.000+/-0.000 χ^2/NDF:16110183.4/61

All: 0.000+/-0.000 χ^2/NDF: 29194083.1/117



Right In: 0.048+/-0.041 χ^2/NDF: 29.5/32

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

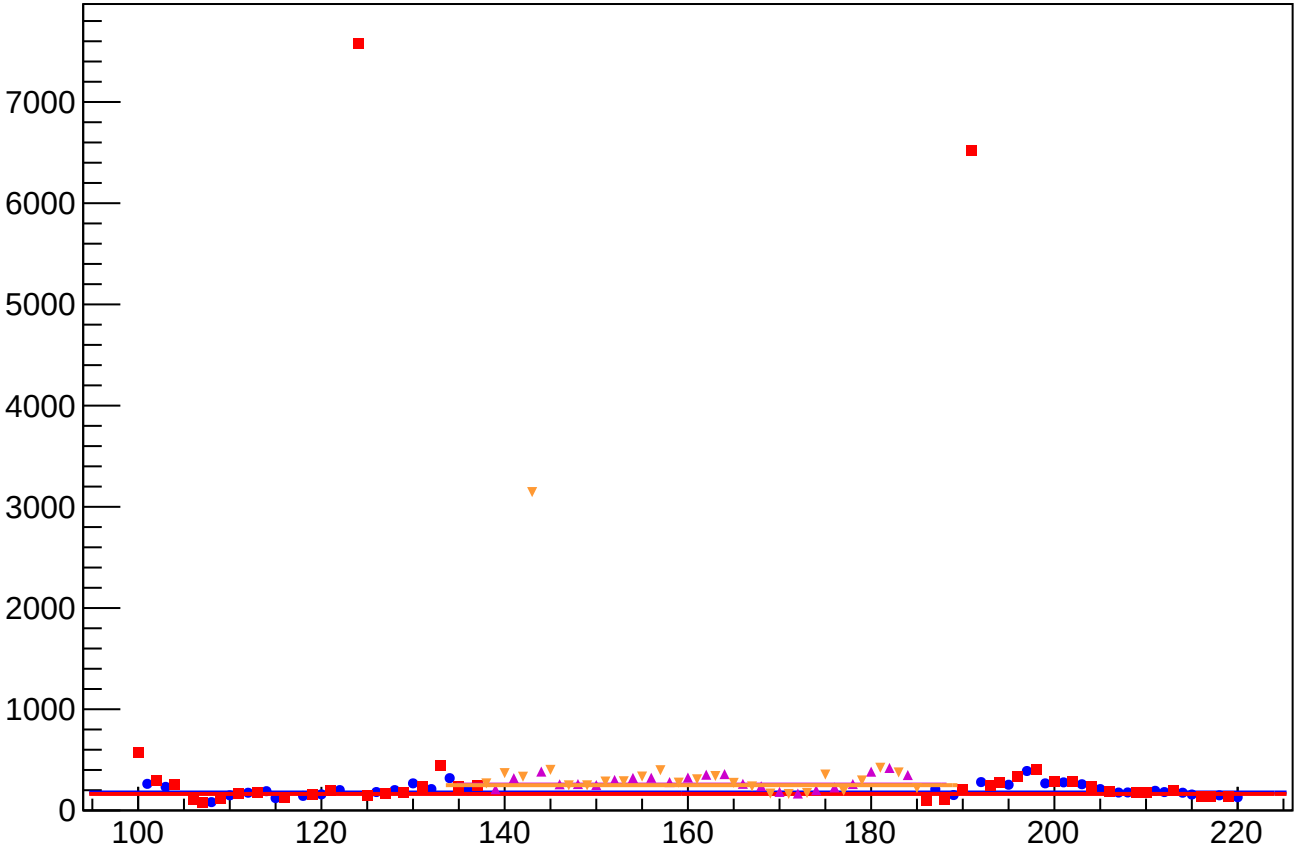
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.008+/-0.028 χ^2/NDF: 70.6/69

In: 0.062+/-0.035 χ^2/NDF:61.4/55

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: 0.004+/-0.024 χ^2/NDF: 128.1/117



Right In: 177.419+/-0.029 χ^2/NDF: 3355683.4/32

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

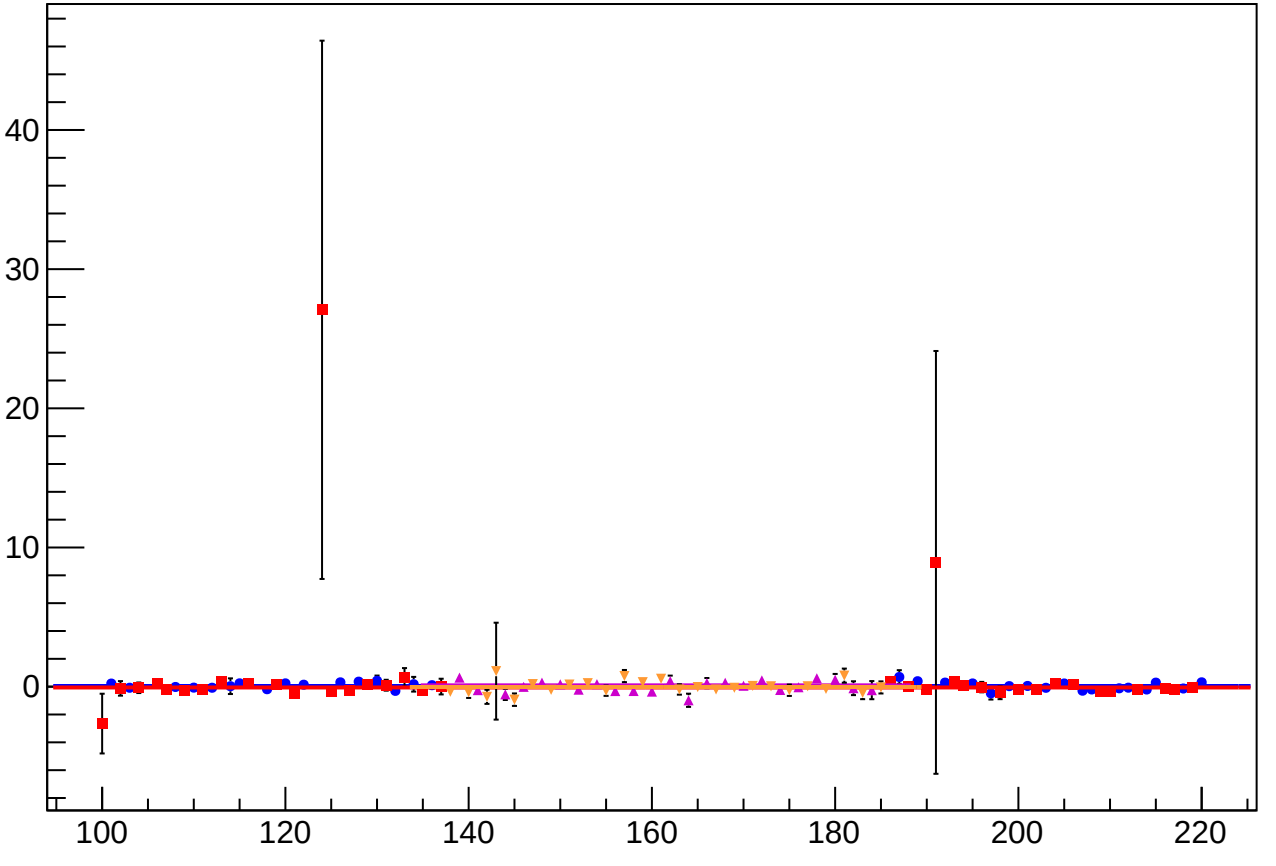
Right: 169.947+/-0.020 χ^2/NDF: 8984172.4/69

In: 200.787+/-0.024 χ^2/NDF:7606450.1/55

Out: 188.131+/-0.023 χ^2/NDF:12554630.6/61

All: 194.185+/-0.017 χ^2/NDF: 20301397.3/11

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.041 χ^2/NDF: 29.5/32

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

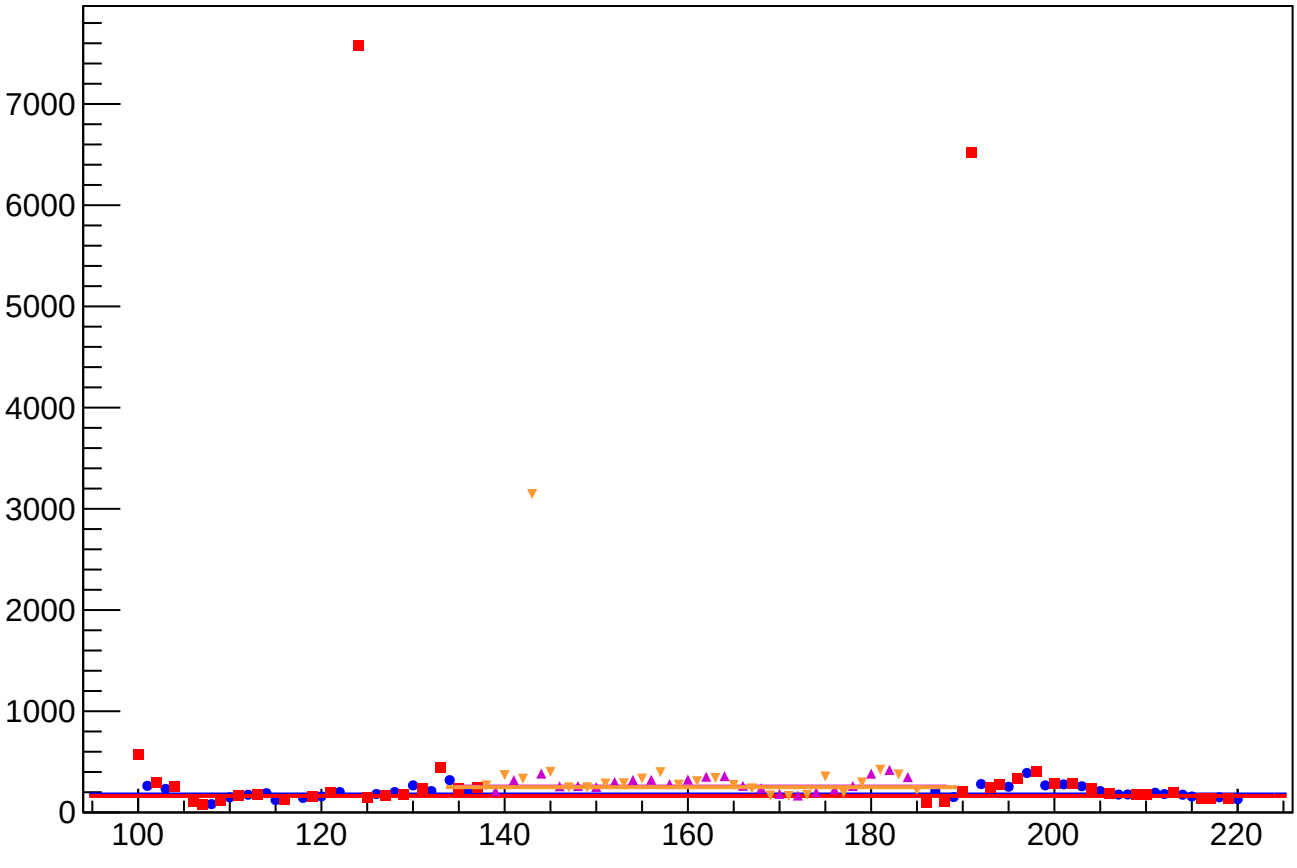
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.008+/-0.028 χ^2/NDF: 70.6/69

In: 0.062+/-0.035 χ^2/NDF:61.4/55

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: 0.004+/-0.024 χ^2/NDF: 128.1/117



Right In: 177.419+/-0.029 χ^2/NDF: 3355683.4/32

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

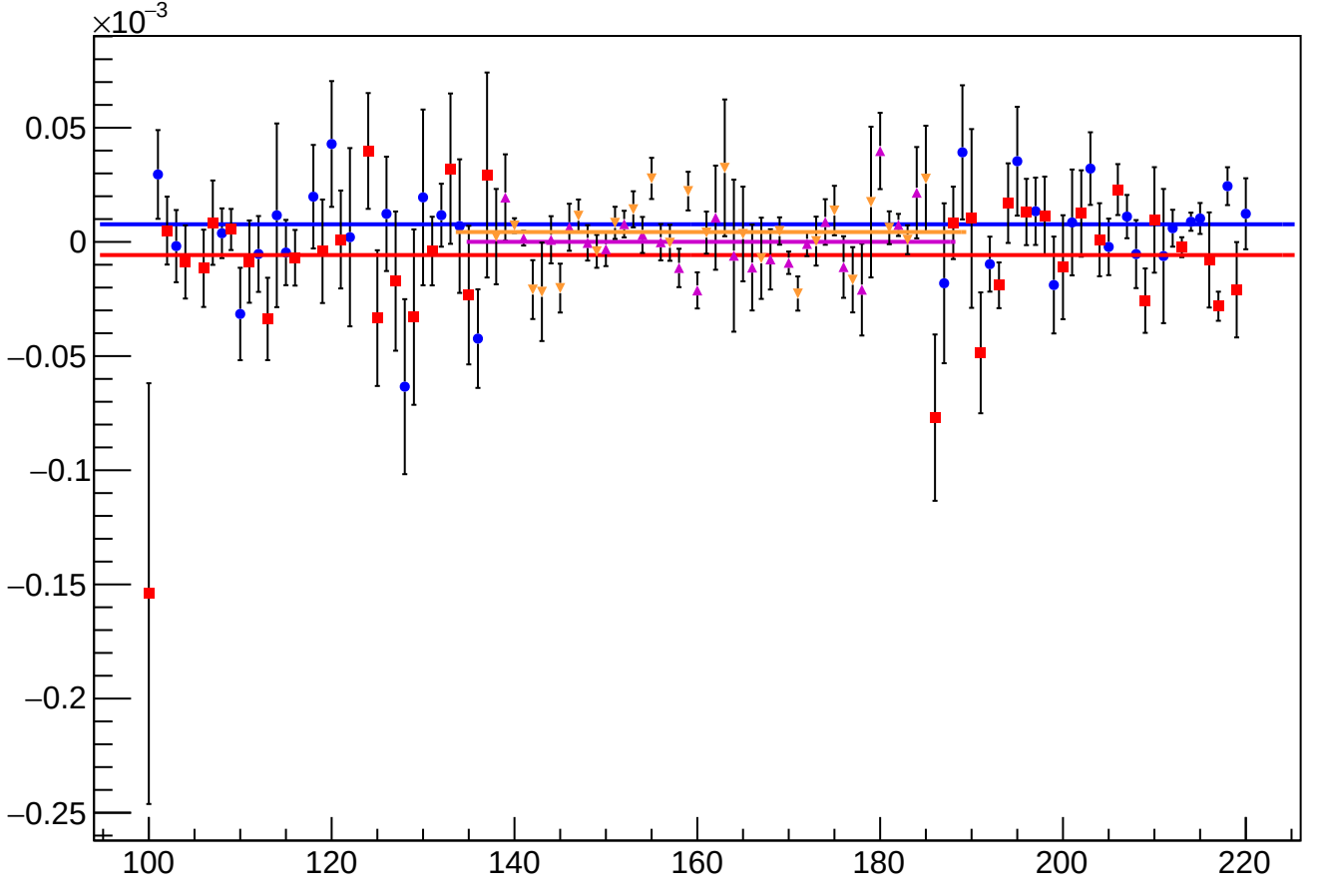
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 169.947+/-0.020 χ^2/NDF: 8984172.4/69

In: 200.787+/-0.024 χ^2/NDF:7606450.1/55

Out: 188.131+/-0.023 χ^2/NDF:12554630.6/61

All: 194.185+/-0.017 χ^2/NDF: 20301397.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.3/36

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

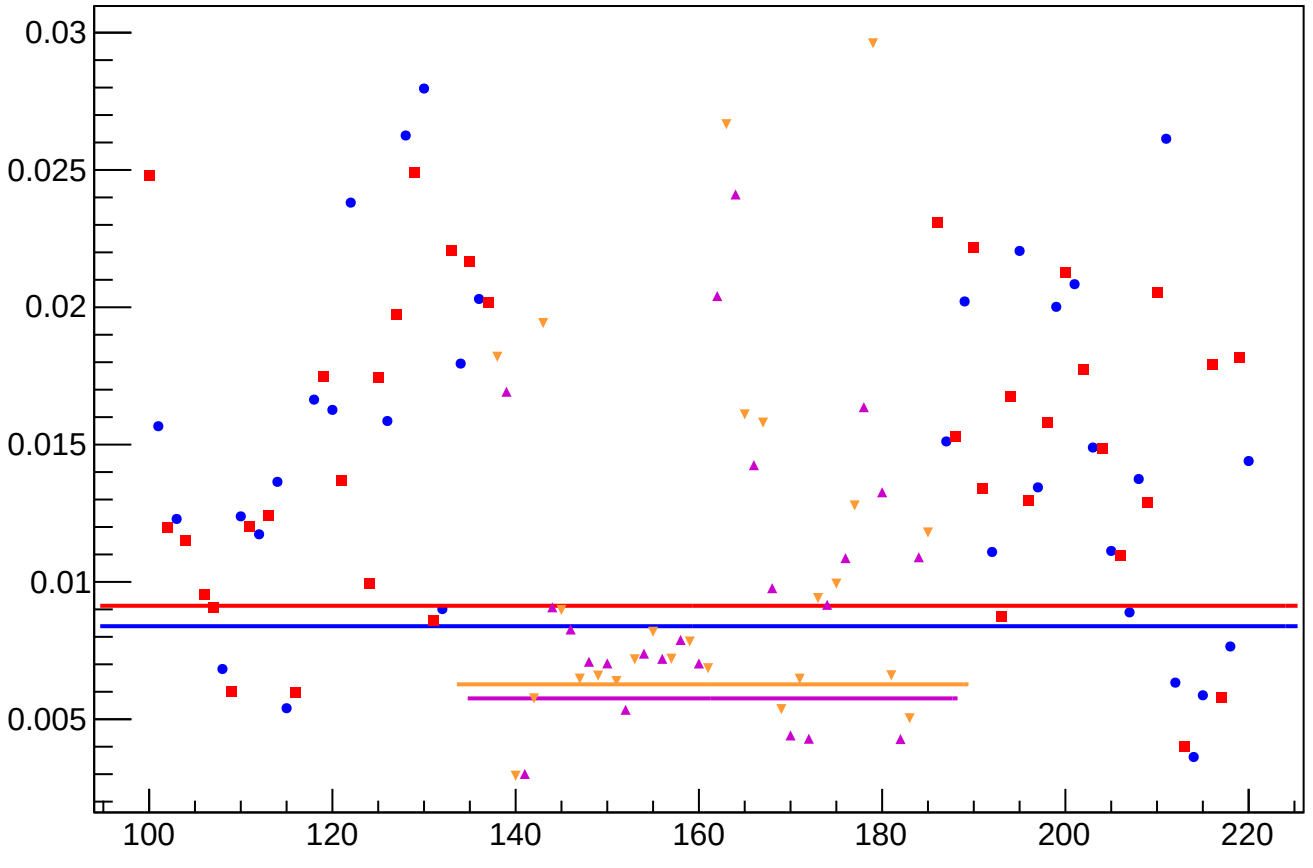
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 103.5/69

In: 0.000+/-0.000 χ^2/NDF:70.3/55

Out: 0.000+/-0.000 χ^2/NDF:111.0/61

All: 0.000+/-0.000 χ^2/NDF: 182.2/117



Right In: 0.008+/-0.000 χ^2/NDF: 11017654.4/32

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10187517.1/36

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

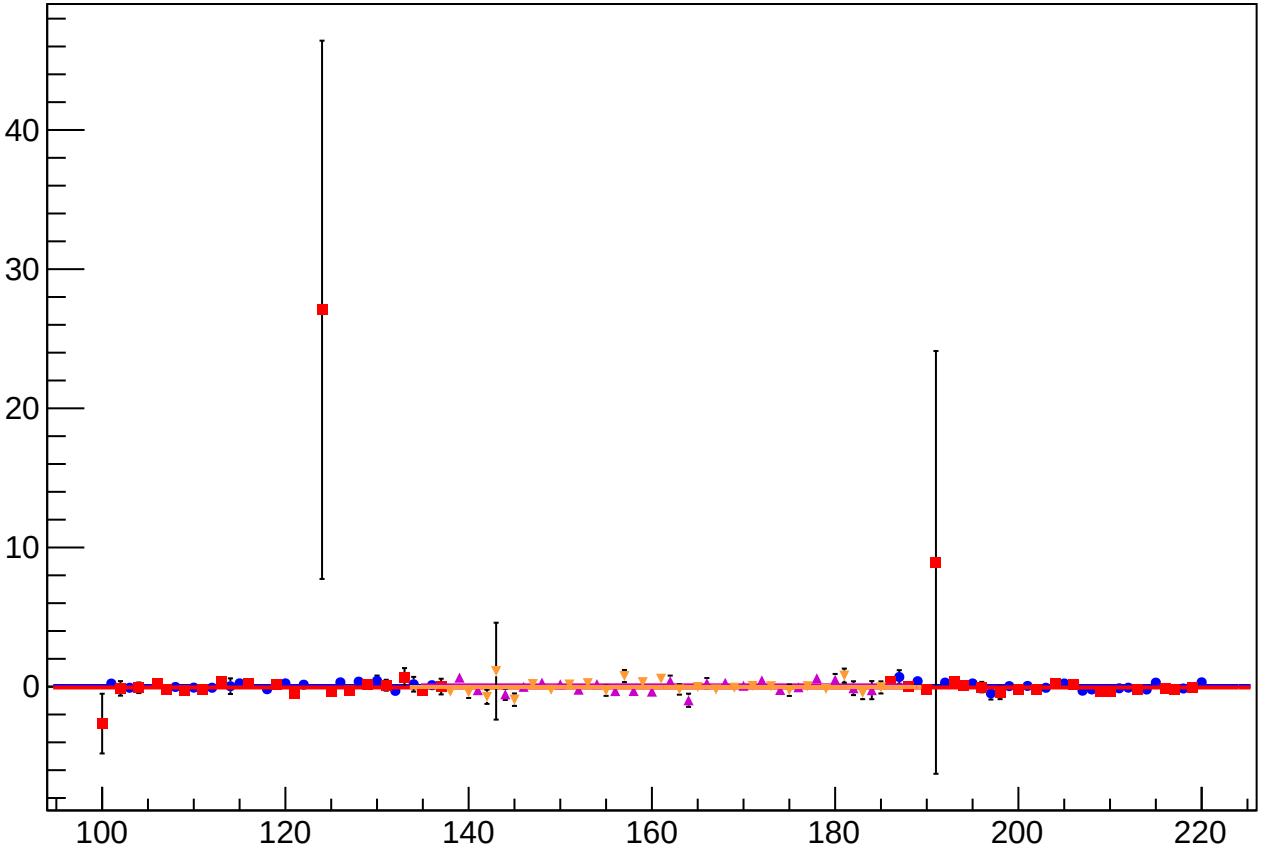
Right: 0.009+/-0.000 χ^2/NDF: 21314652.2/69

In: 0.007+/-0.000 χ^2/NDF:19989286.3/55

Out: 0.007+/-0.000 χ^2/NDF:20139627.0/61

All: 0.007+/-0.000 χ^2/NDF: 40327860.6/117

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.041 χ^2/NDF: 29.5/32

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

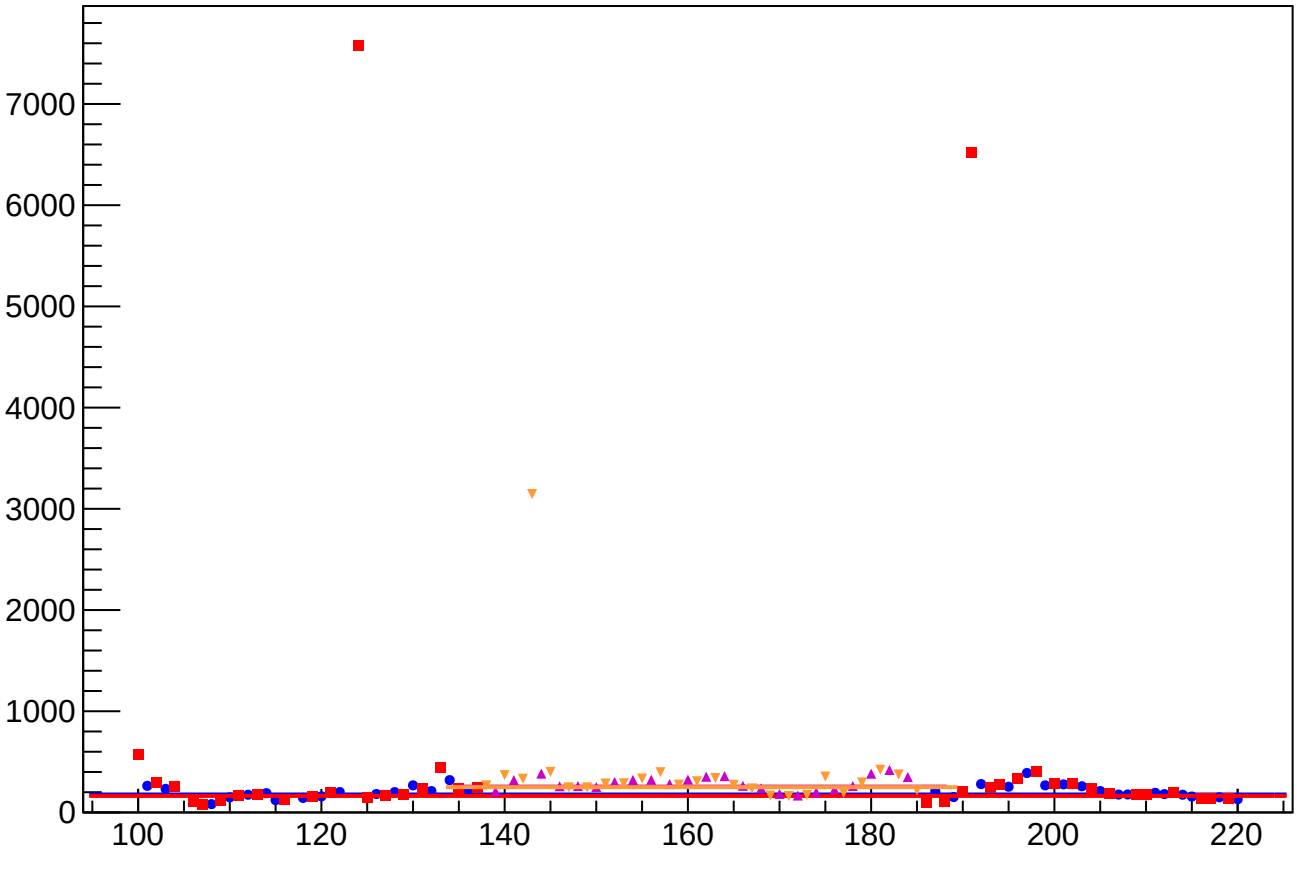
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.008+/-0.028 χ^2/NDF: 70.6/69

In: 0.062+/-0.035 χ^2/NDF:61.4/55

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: 0.004+/-0.024 χ^2/NDF: 128.1/117



Right In: 177.418+/-0.029 χ^2/NDF: 3355778.1/32

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

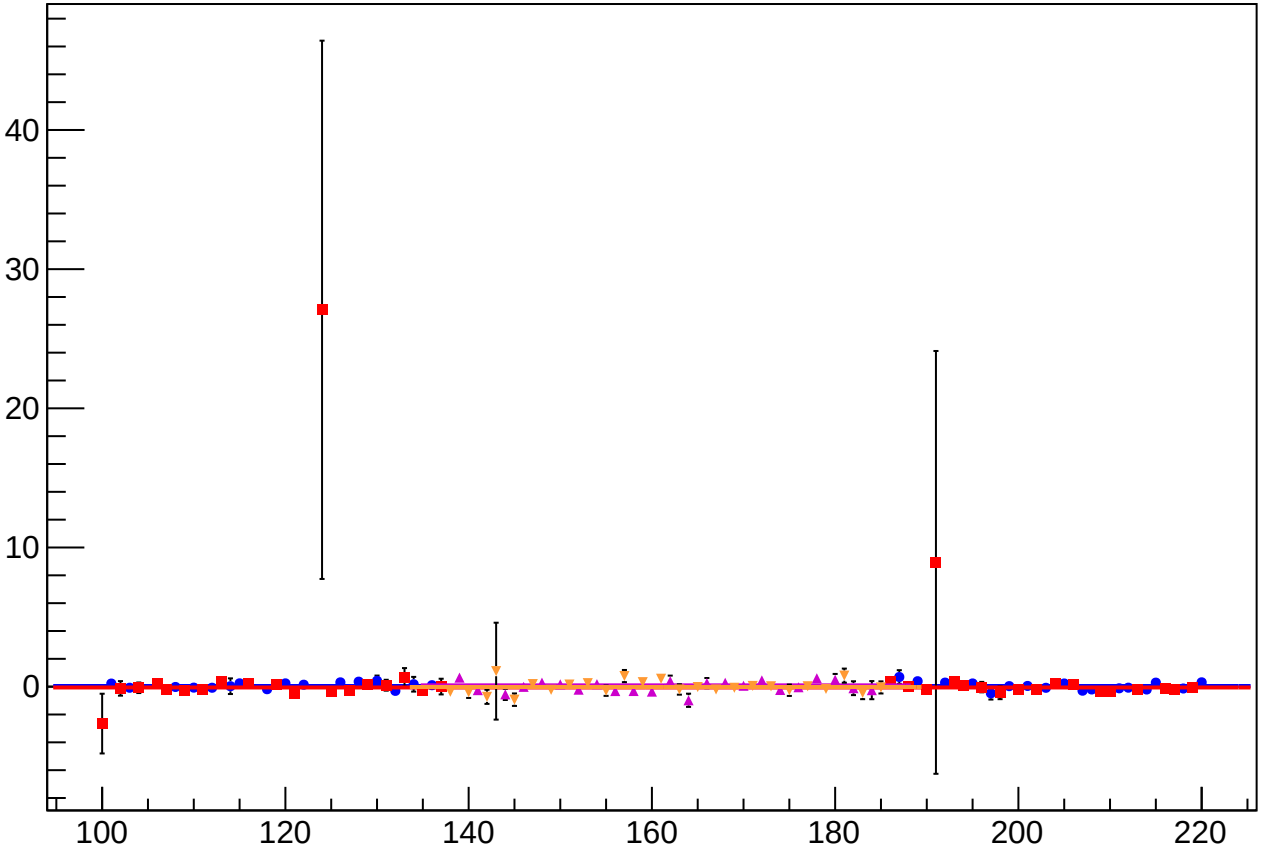
Right: 169.947+/-0.020 χ^2/NDF: 8984060.2/69

In: 200.787+/-0.024 χ^2/NDF:7606741.7/55

Out: 188.133+/-0.023 χ^2/NDF:12554493.7/61

All: 194.186+/-0.017 χ^2/NDF: 20301493.6/11

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.041 χ^2/NDF: 29.5/32

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

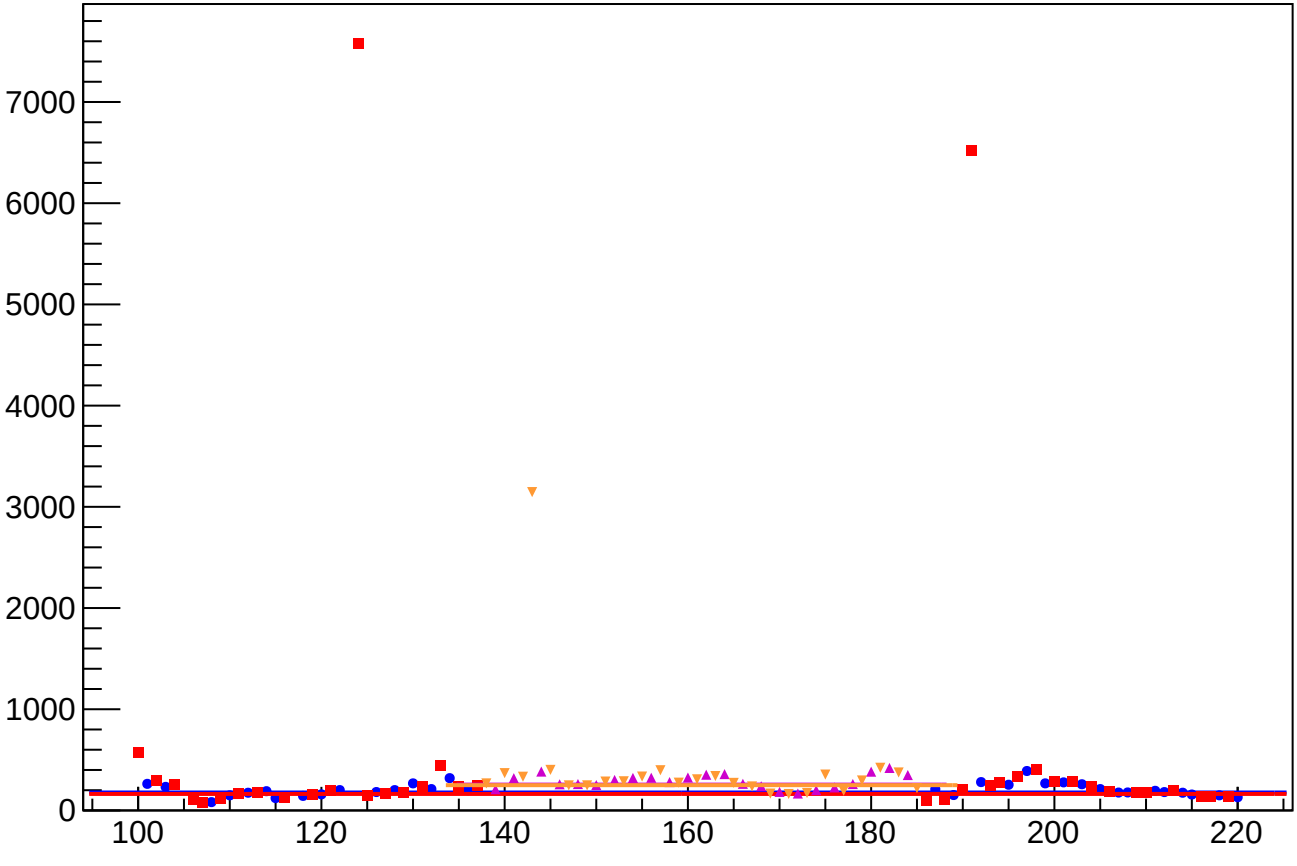
Right: -0.008+/-0.028 χ^2/NDF: 70.6/69

In: 0.062+/-0.035 χ^2/NDF:61.4/55

Out: -0.048+/-0.033 χ^2/NDF:61.4/61

All: 0.004+/-0.024 χ^2/NDF: 128.1/117

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 177.418+/-0.029 χ^2/NDF: 3355778.1/32

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

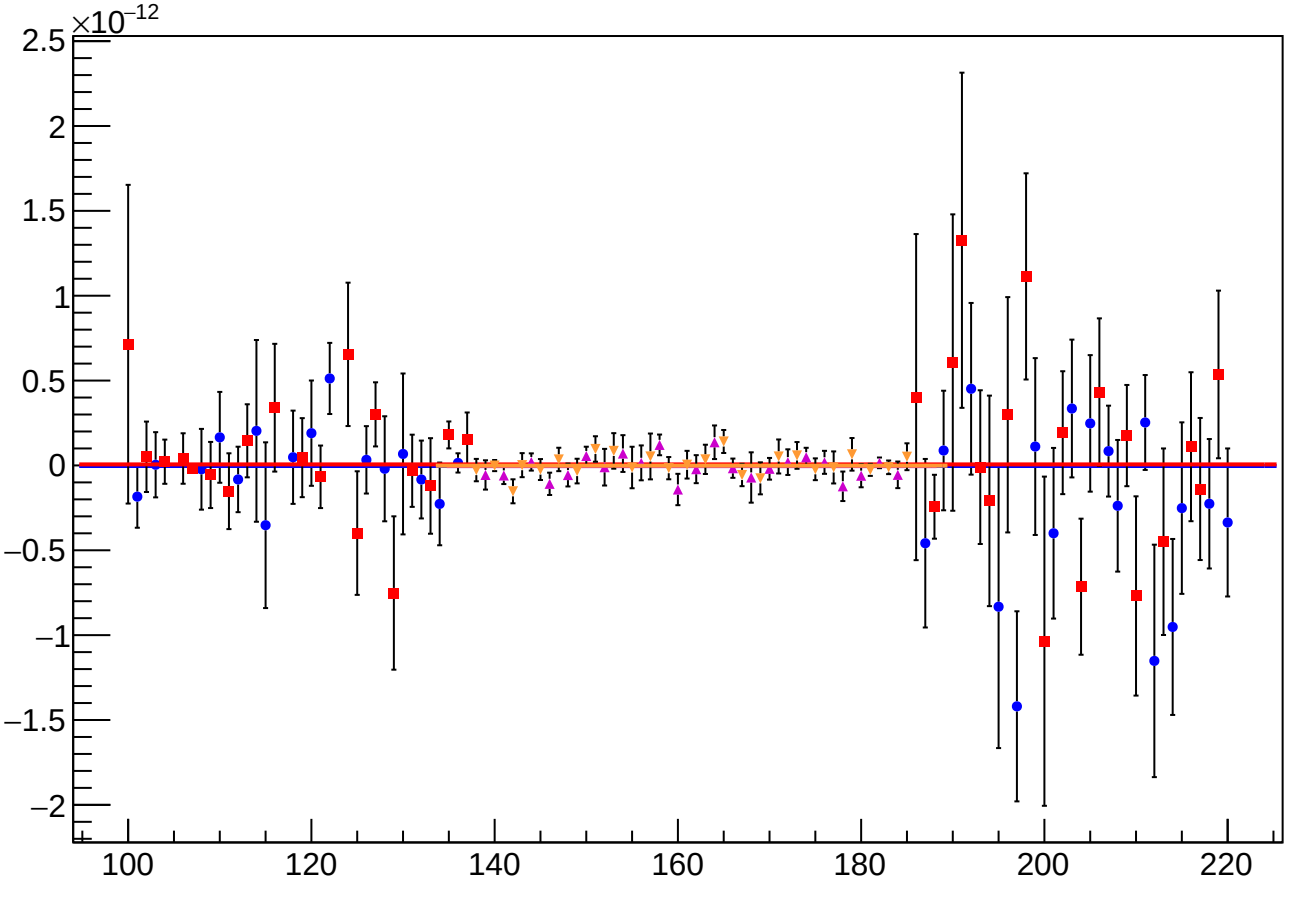
Right: 169.947+/-0.020 χ^2/NDF: 8984060.2/69

In: 200.787+/-0.024 χ^2/NDF:7606741.7/55

Out: 188.133+/-0.023 χ^2/NDF:12554493.7/61

All: 194.186+/-0.017 χ^2/NDF: 20301493.6/11

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/36

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

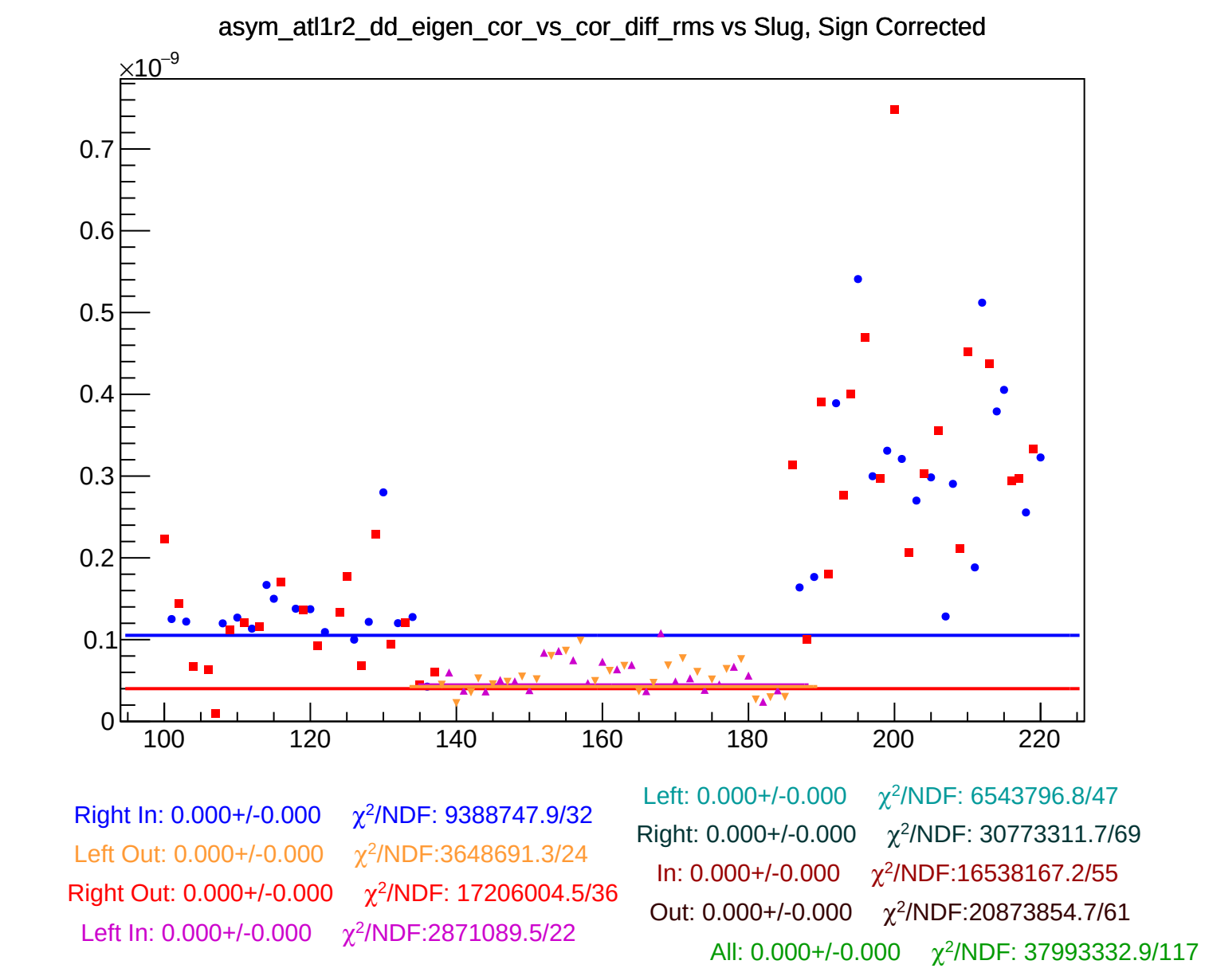
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

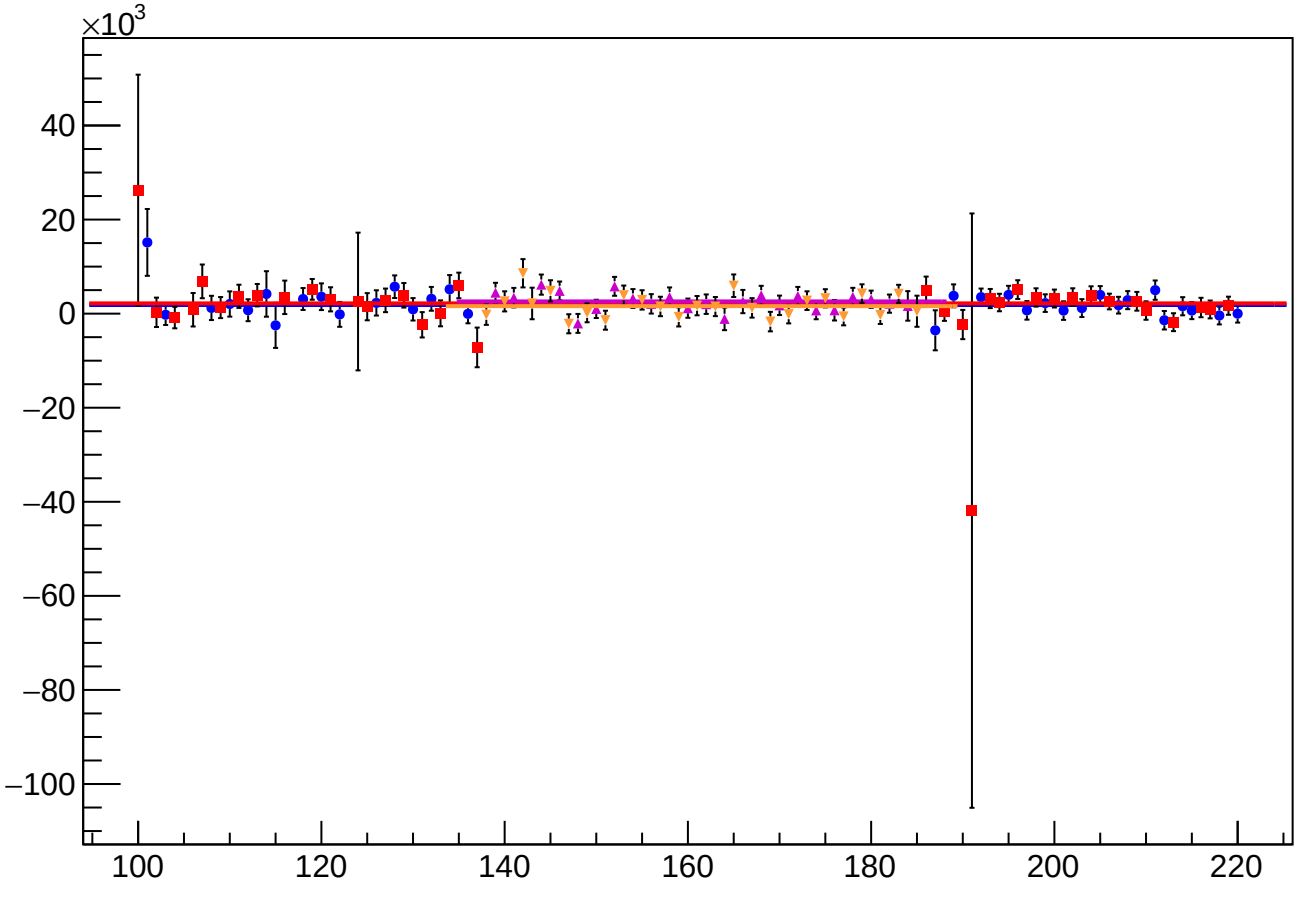
Right: 0.000+/-0.000 χ^2/NDF: 65.2/69

In: -0.000+/-0.000 χ^2/NDF:49.2/55

Out: 0.000+/-0.000 χ^2/NDF:52.3/61

All: -0.000+/-0.000 χ^2/NDF: 101.5/117


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9388747.9/32
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 17206004.5/36
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 30773311.7/69
In: 0.000+/-0.000 χ²/NDF:16538167.2/55
Out: 0.000+/-0.000 χ²/NDF:20873854.7/61
All: 0.000+/-0.000 χ²/NDF: 37993332.9/117



Right In: 1836.766+/-389.063 χ^2/NDF: 26.8/32

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2182.961+/-388.998 χ^2/NDF: 33.5/36

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

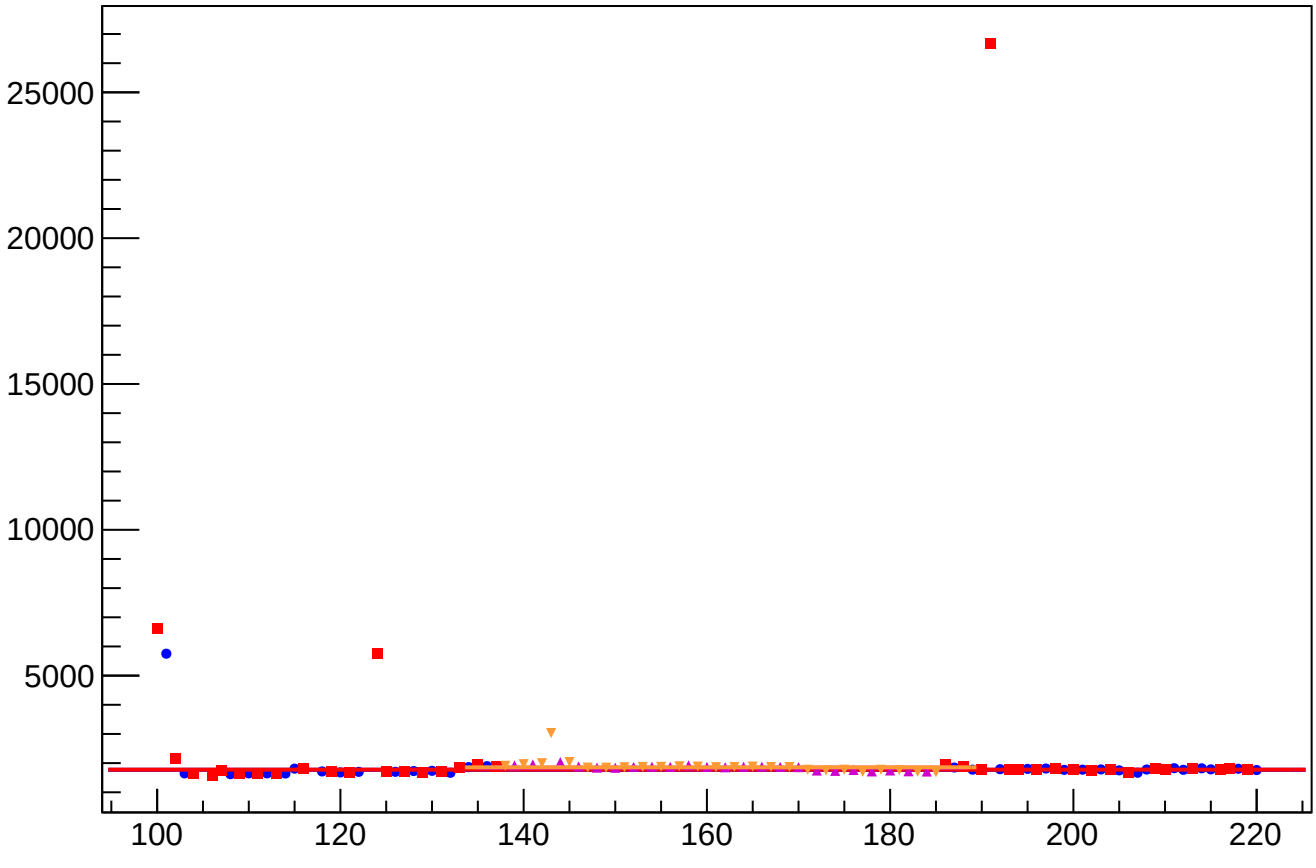
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2009.892+/-275.086 χ^2/NDF: 60.7/69

In: 2179.057+/-288.587 χ^2/NDF:48.6/55

Out: 1912.603+/-286.423 χ^2/NDF:65.8/61

All: 2044.827+/-203.292 χ^2/NDF: 114.8/117



Right In: 1770.307+/-0.275 χ^2/NDF: 685361.9/32

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.675+/-0.274 χ^2/NDF: 649668.5/36

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

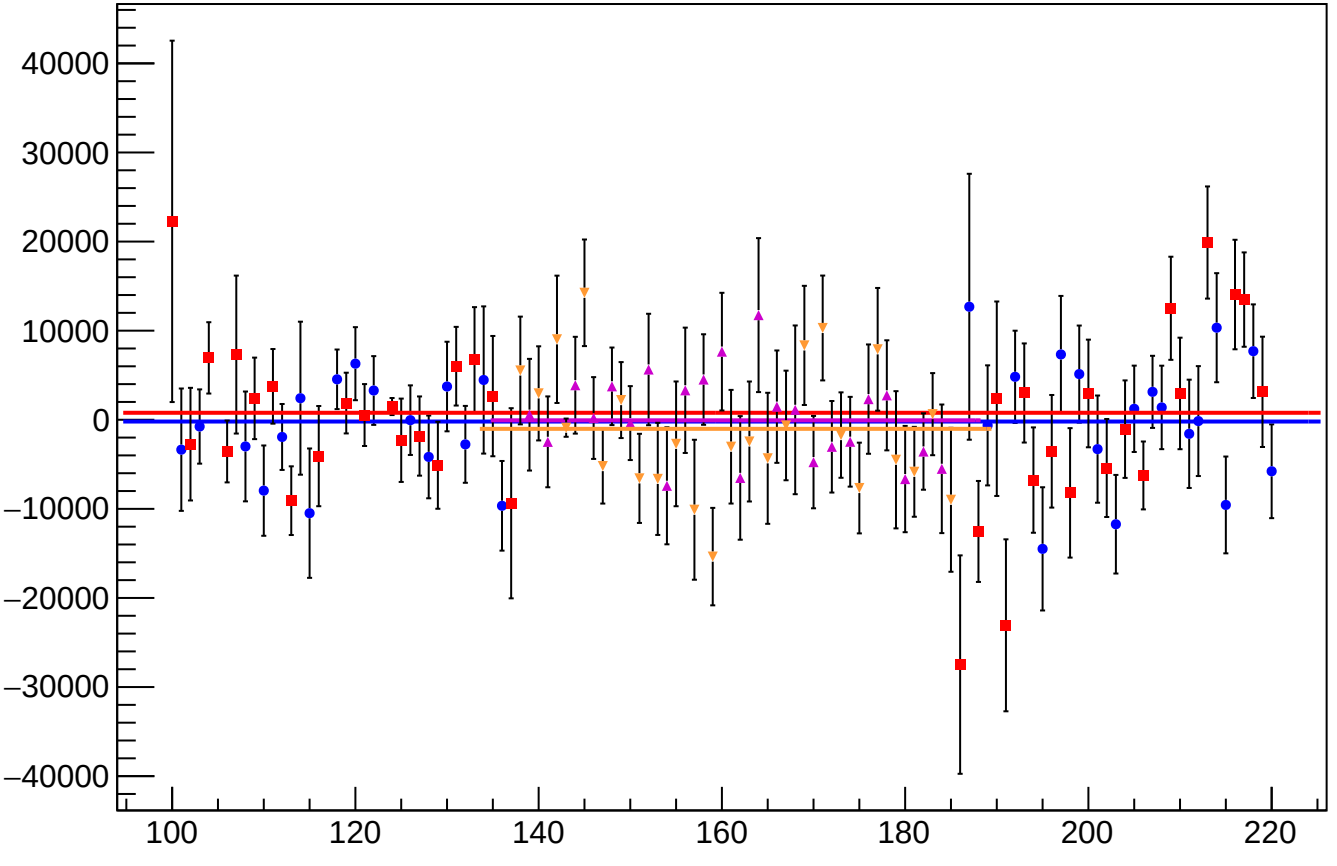
Right: 1772.998+/-0.194 χ^2/NDF: 1335221.3/69

In: 1802.097+/-0.204 χ^2/NDF:786033.0/55

Out: 1812.147+/-0.202 χ^2/NDF:1012645.5/61

All: 1807.167+/-0.144 χ^2/NDF: 1799902.2/11

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -198.644+/-890.036 χ^2/NDF: 39.1/32

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 783.706+/-646.564 χ^2/NDF: 69.8/36

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

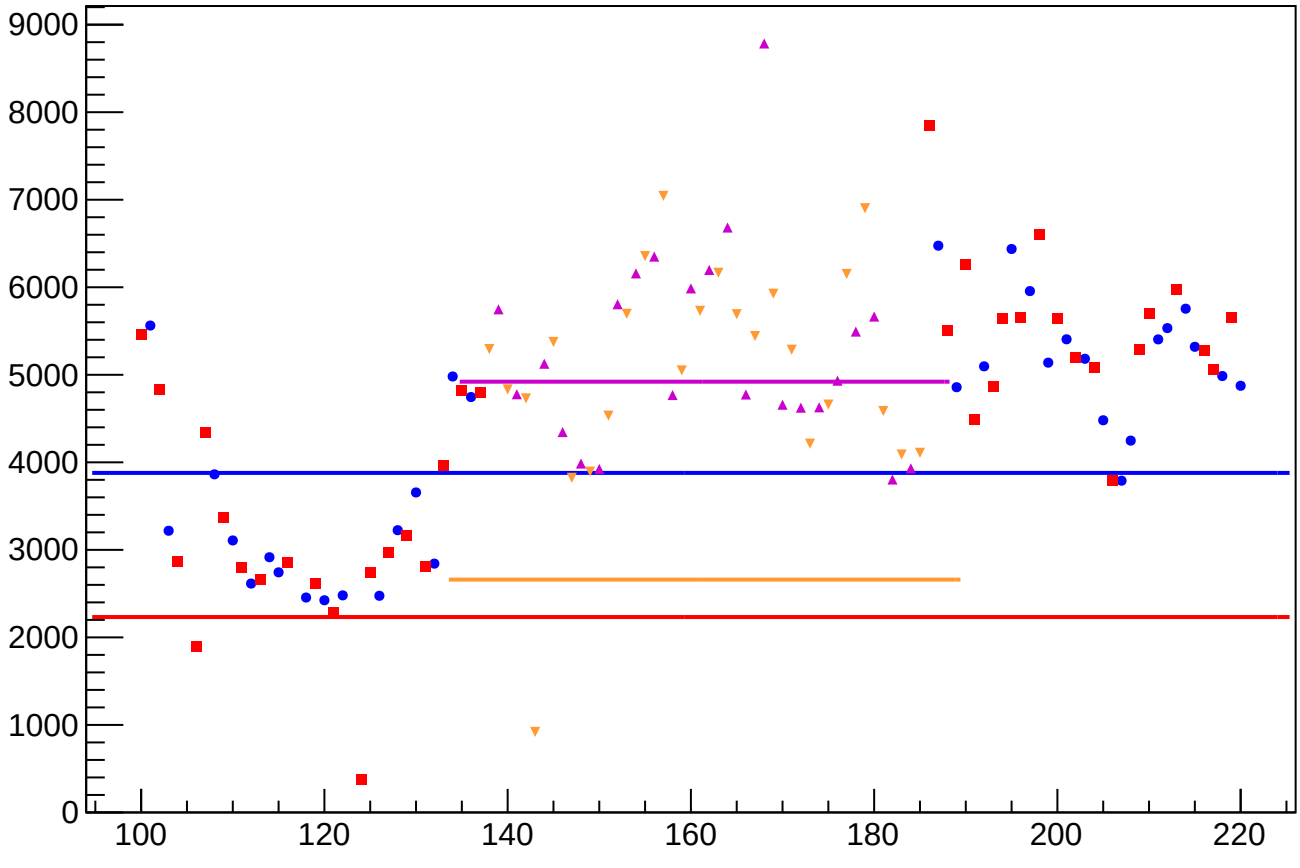
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 444.371+/-523.105 χ^2/NDF: 109.6/69

In: -148.876+/-709.128 χ^2/NDF:52.1/55

Out: 40.369+/-495.634 χ^2/NDF:106.7/61

All: -21.739+/-406.242 χ^2/NDF: 158.9/117



Right In: 3879.211+/-0.629 χ^2/NDF: 3750619.0/32

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2232.648+/-0.457 χ^2/NDF: 18674589.1/36

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

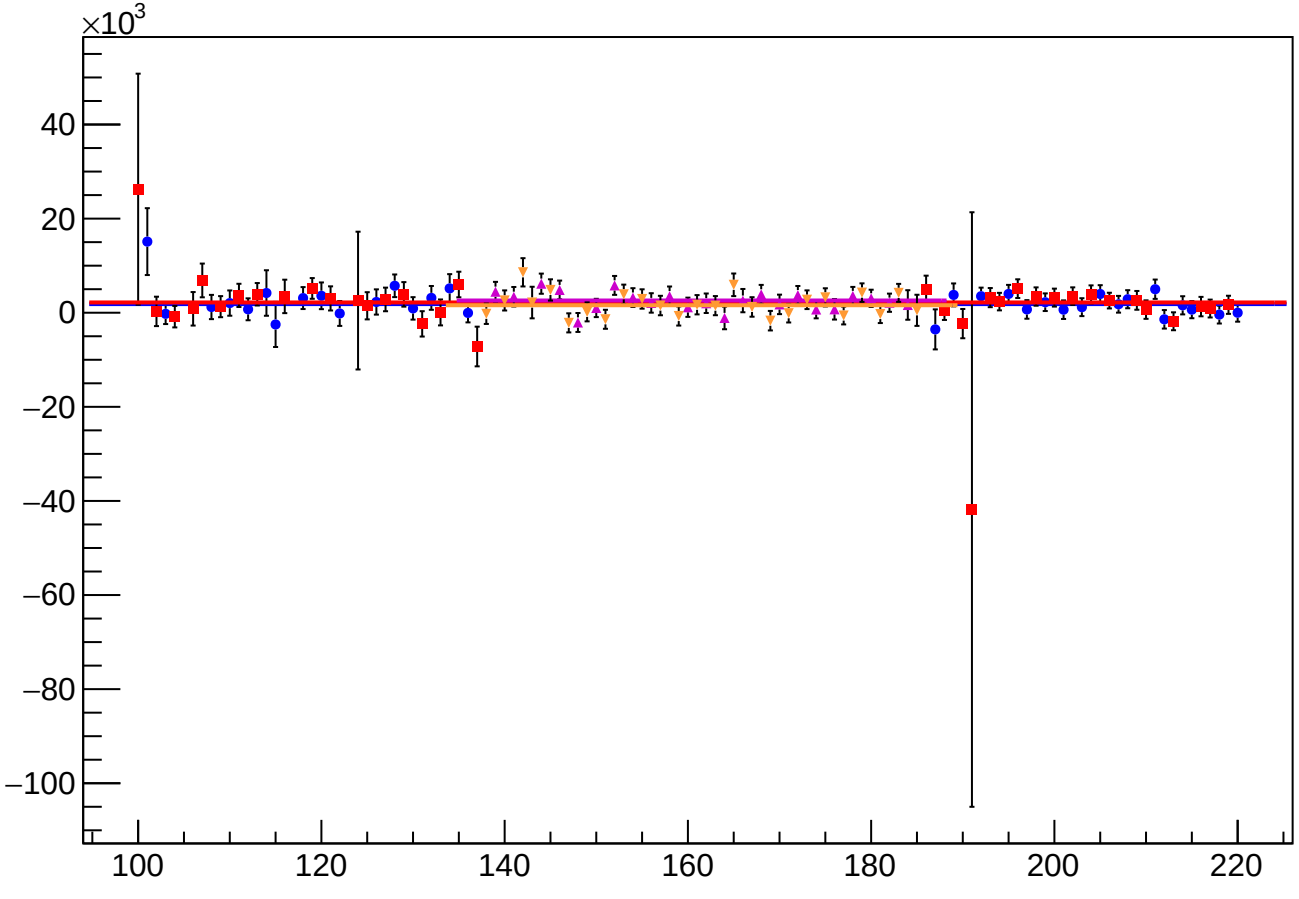
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2801.424+/-0.370 χ^2/NDF: 26905701.7/69

In: 4259.793+/-0.501 χ^2/NDF:6003067.0/55

Out: 2408.882+/-0.350 χ^2/NDF:33570985.5/61

All: 3016.327+/-0.287 χ^2/NDF: 48727823.2/



Right In: 1836.554+/-389.063 χ^2/NDF: 26.8/32

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2182.995+/-388.998 χ^2/NDF: 33.4/36

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

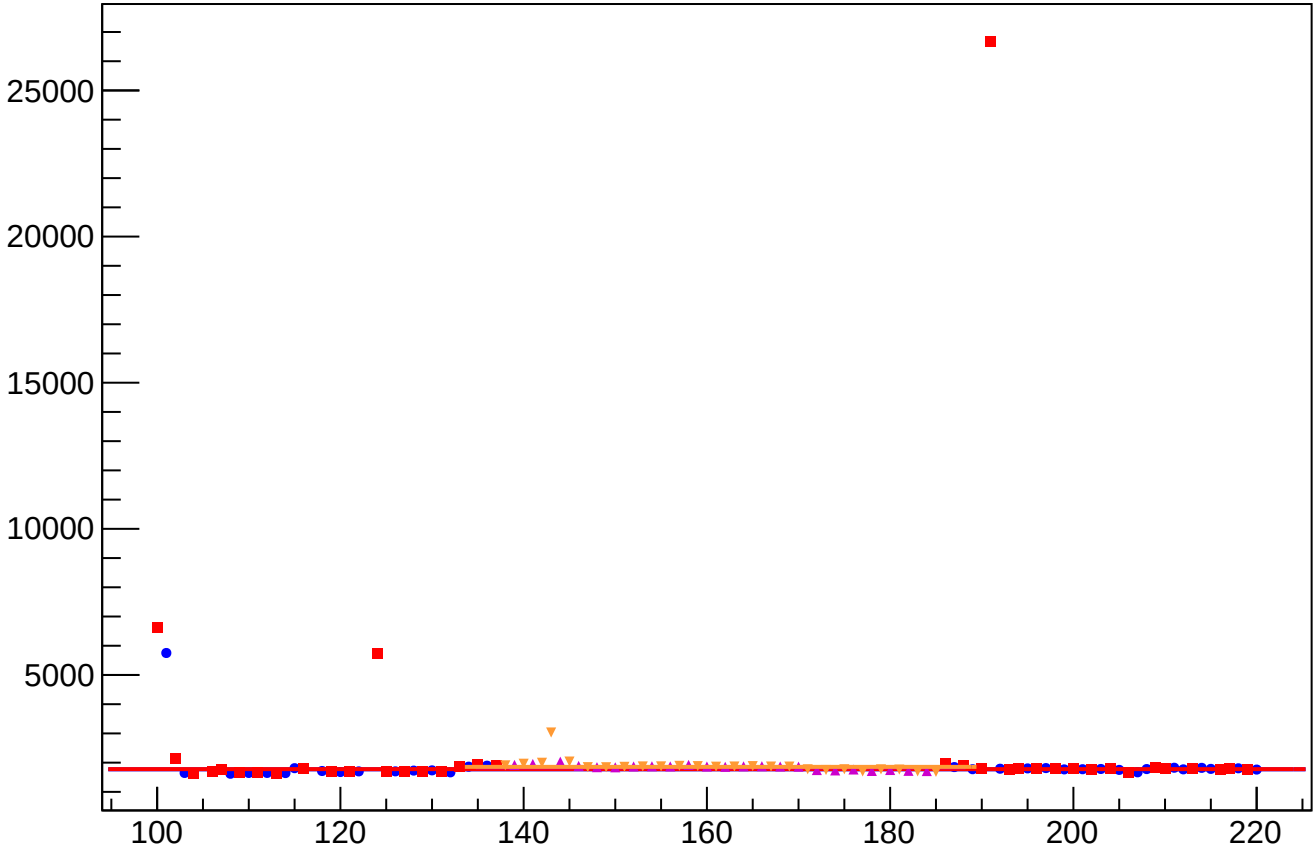
Right: 2009.803+/-275.086 χ^2/NDF: 60.6/69

In: 2178.972+/-288.587 χ^2/NDF:48.6/55

Out: 1912.606+/-286.423 χ^2/NDF:65.8/61

All: 2044.786+/-203.292 χ^2/NDF: 114.8/117

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1770.307+/-0.275 χ^2/NDF: 685362.2/32

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

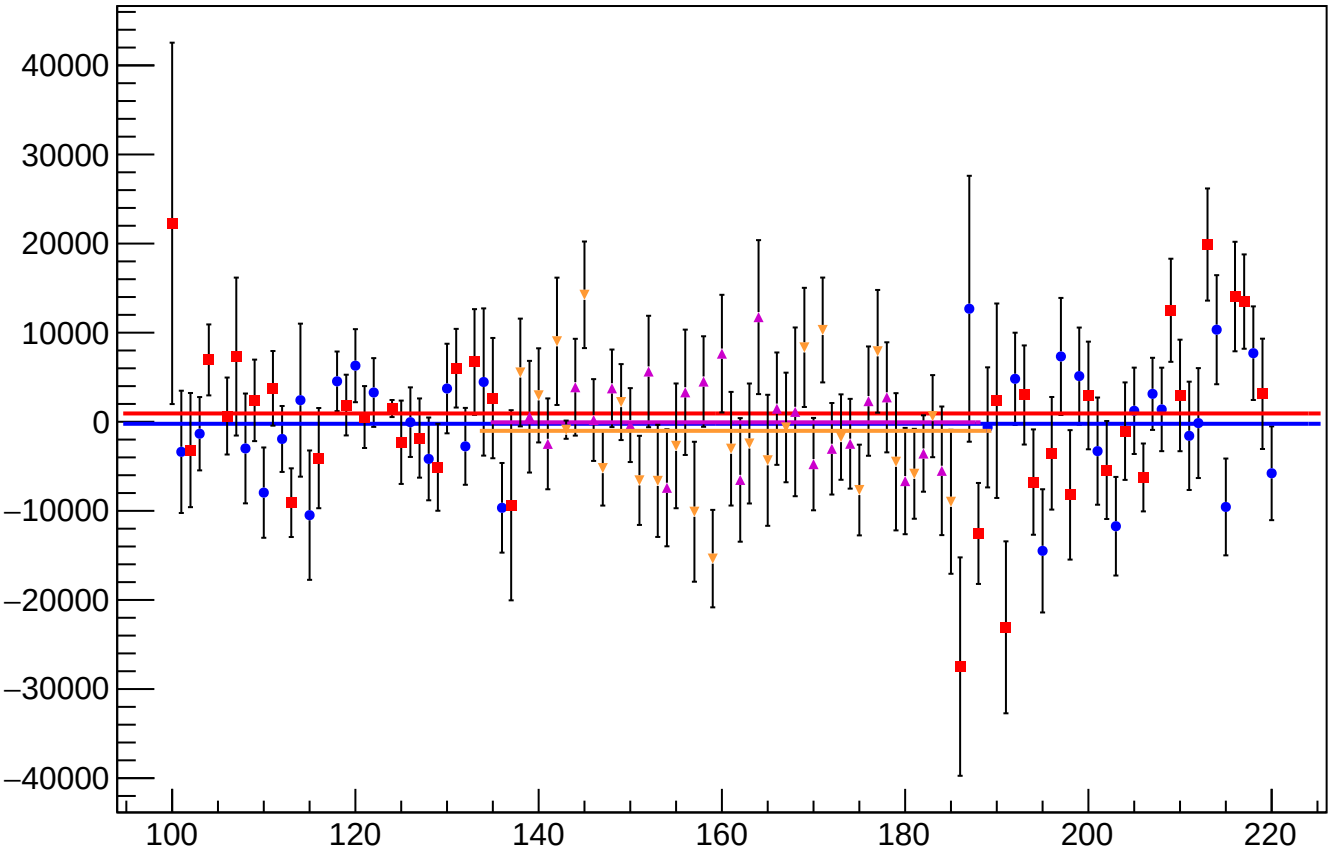
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1774.230+/-0.194 χ^2/NDF: 1326608.4/69

In: 1802.096+/-0.204 χ^2/NDF:786033.3/55

Out: 1813.537+/-0.202 χ^2/NDF:1001421.0/61

All: 1807.864+/-0.144 χ^2/NDF: 1789038.8/11



Right In: -226.933+/-889.510 χ^2/NDF: 39.1/32

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 931.604+/-650.600 χ^2/NDF: 68.3/36

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

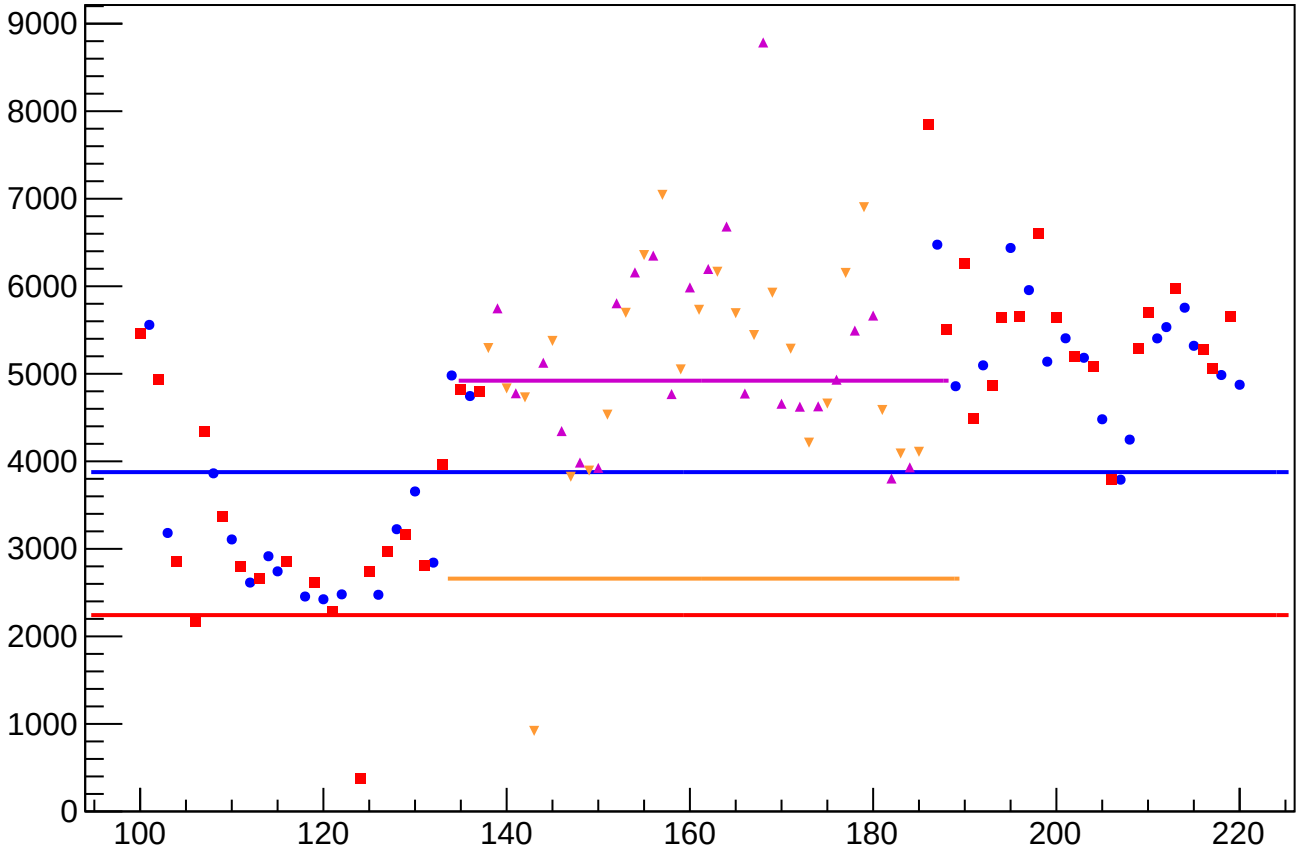
Right: 527.831+/-525.127 χ^2/NDF: 108.5/69

In: -166.849+/-708.862 χ^2/NDF:52.2/55

Out: 121.430+/-497.440 χ^2/NDF:105.7/61

All: 26.310+/-407.185 χ^2/NDF: 158.0/117

asym_atr1l2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3876.703+/-0.629 χ^2/NDF: 3757372.0/32

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

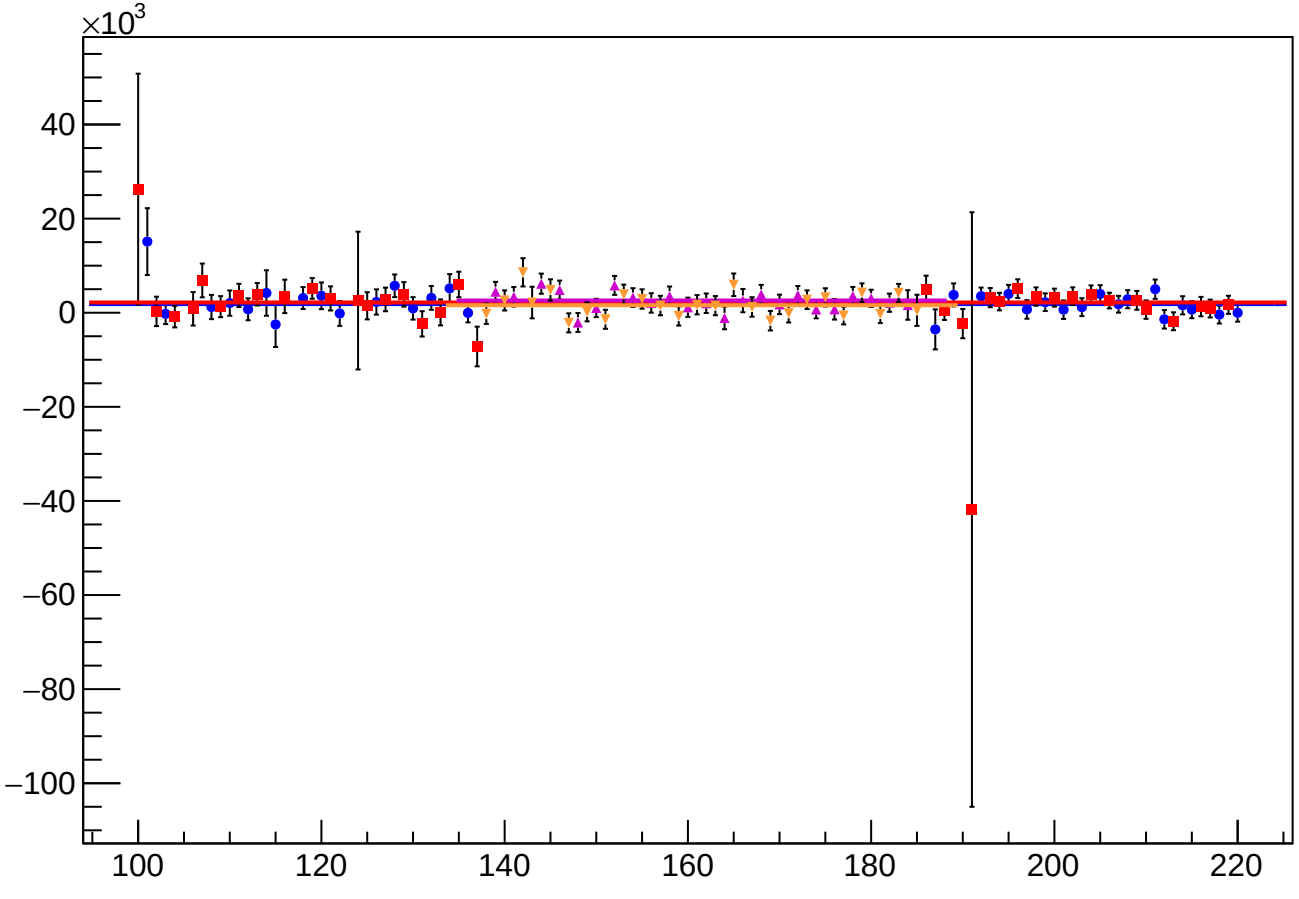
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2812.546+/-0.371 χ^2/NDF: 26821820.2/69

In: 4257.913+/-0.501 χ^2/NDF:6015085.1/55

Out: 2416.337+/-0.352 χ^2/NDF:33548212.3/61

All: 3023.982+/-0.288 χ^2/NDF: 48607866.5/1



Right In: 1836.554+/-389.063 χ^2/NDF: 26.8/32

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2182.995+/-388.998 χ^2/NDF: 33.4/36

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

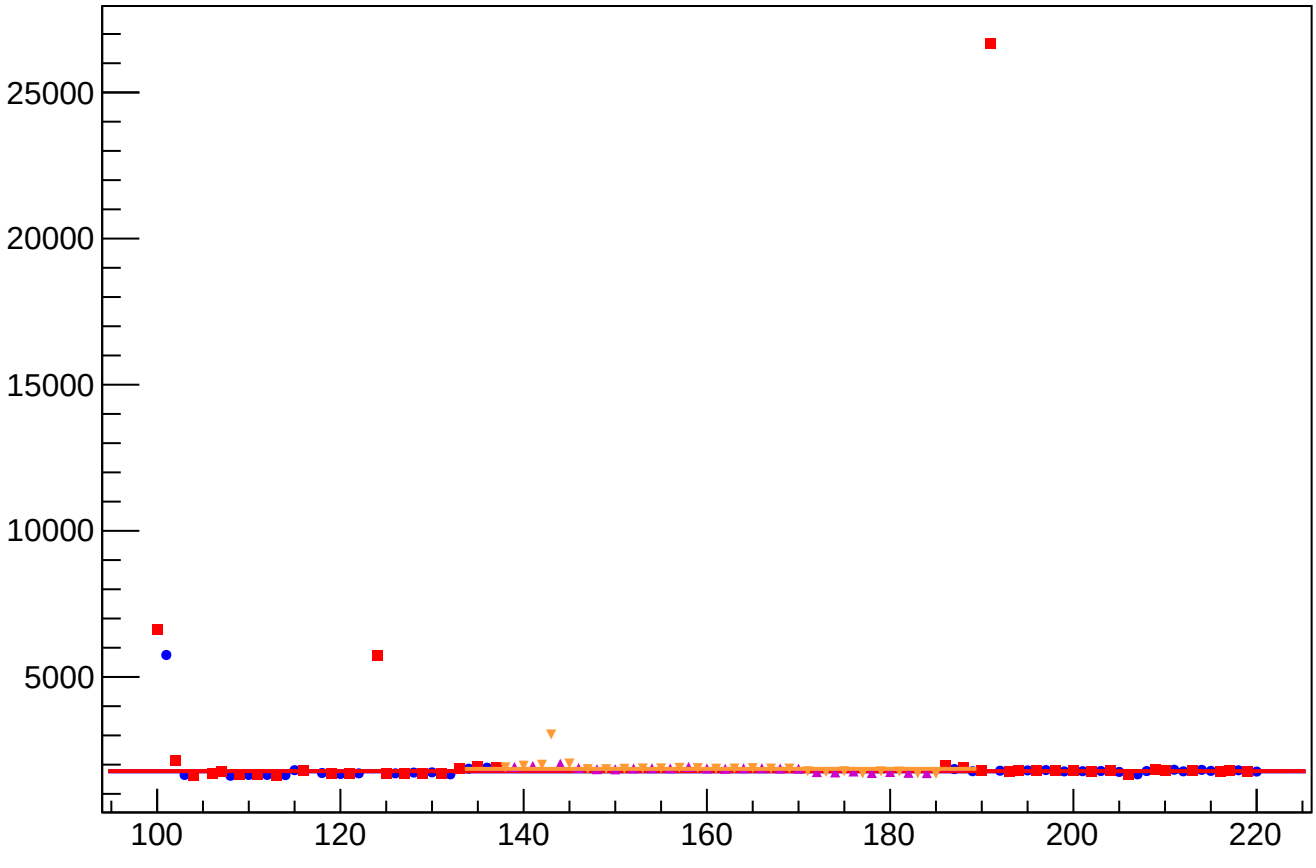
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2009.803+/-275.086 χ^2/NDF: 60.6/69

In: 2178.972+/-288.587 χ^2/NDF:48.6/55

Out: 1912.606+/-286.423 χ^2/NDF:65.8/61

All: 2044.786+/-203.292 χ^2/NDF: 114.8/117



Right In: 1770.307+/-0.275 χ^2/NDF: 685362.2/32

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

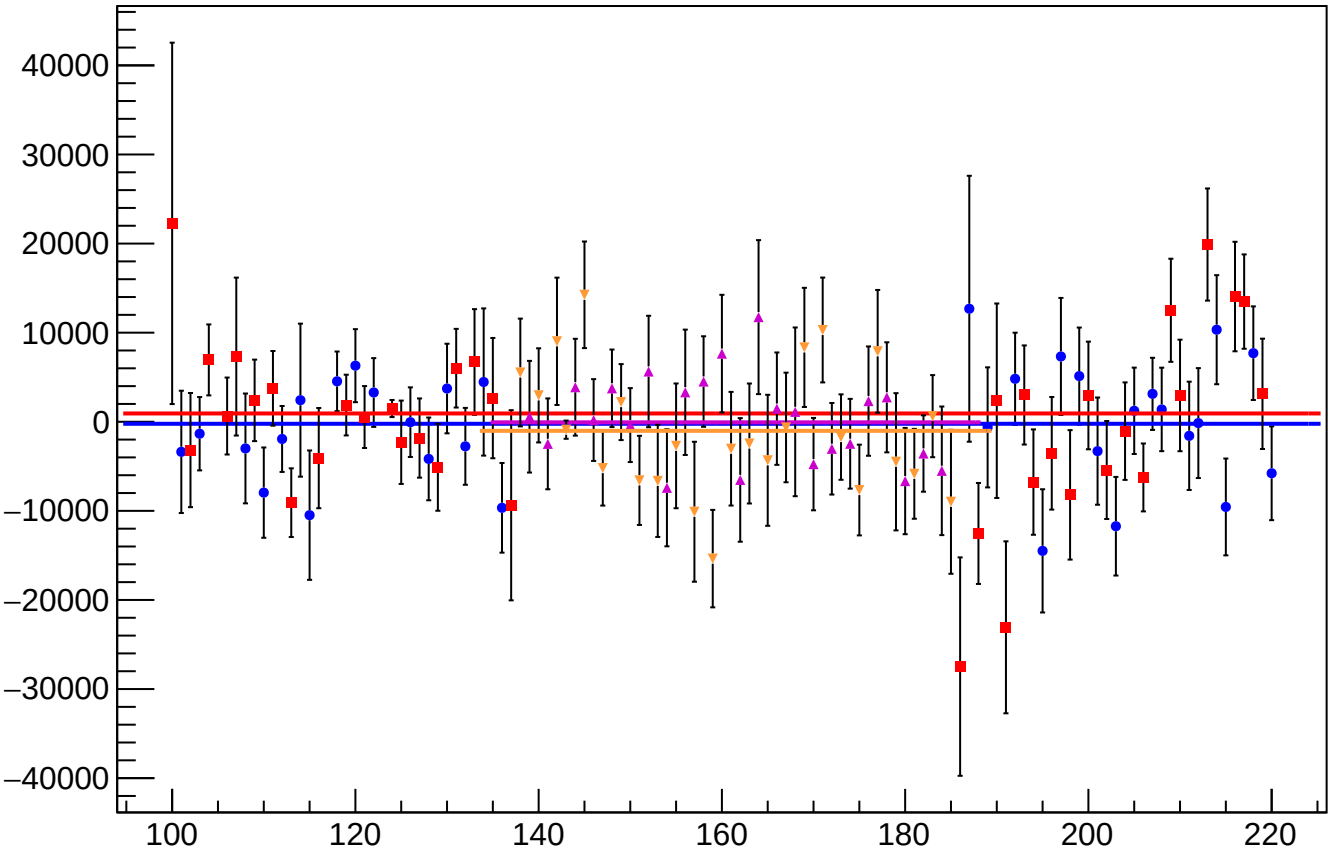
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1774.230+/-0.194 χ^2/NDF: 1326608.4/69

In: 1802.096+/-0.204 χ^2/NDF:786033.3/55

Out: 1813.537+/-0.202 χ^2/NDF:1001421.0/61

All: 1807.864+/-0.144 χ^2/NDF: 1789038.8/11



Right In: -226.933+/-889.510 χ^2/NDF: 39.1/32

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 931.604+/-650.600 χ^2/NDF: 68.3/36

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

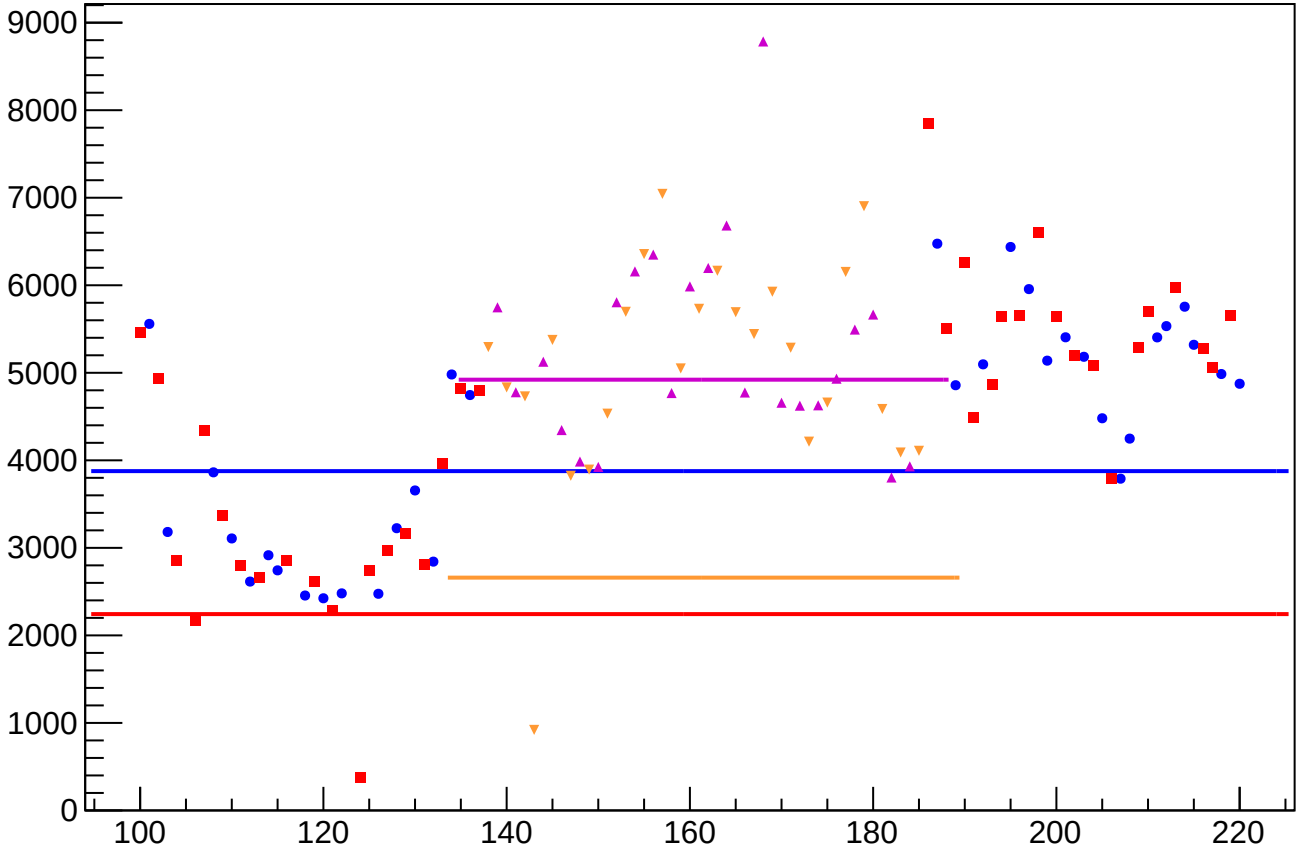
Right: 527.831+/-525.127 χ^2/NDF: 108.5/69

In: -166.849+/-708.862 χ^2/NDF:52.2/55

Out: 121.430+/-497.440 χ^2/NDF:105.7/61

All: 26.310+/-407.185 χ^2/NDF: 158.0/117

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3876.703+/-0.629 χ^2/NDF: 3757372.0/32

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

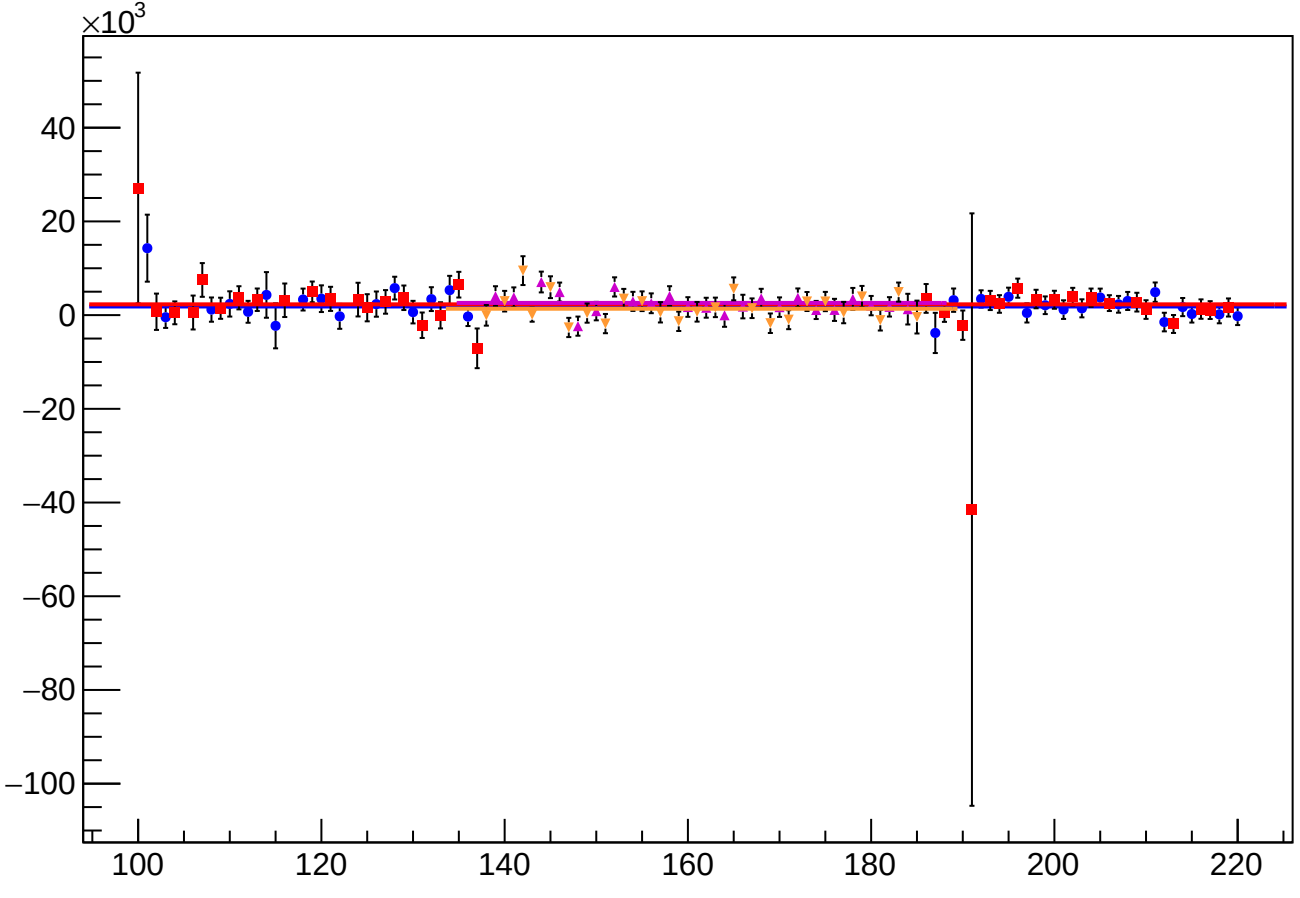
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2812.546+/-0.371 χ^2/NDF: 26821820.2/69

In: 4257.913+/-0.501 χ^2/NDF:6015085.1/55

Out: 2416.337+/-0.352 χ^2/NDF:33548212.3/61

All: 3023.982+/-0.288 χ^2/NDF: 48607866.5/1



Right In: 1844.717+/-392.747 χ^2/NDF: 26.2/32

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2298.350+/-391.727 χ^2/NDF: 31.9/36

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

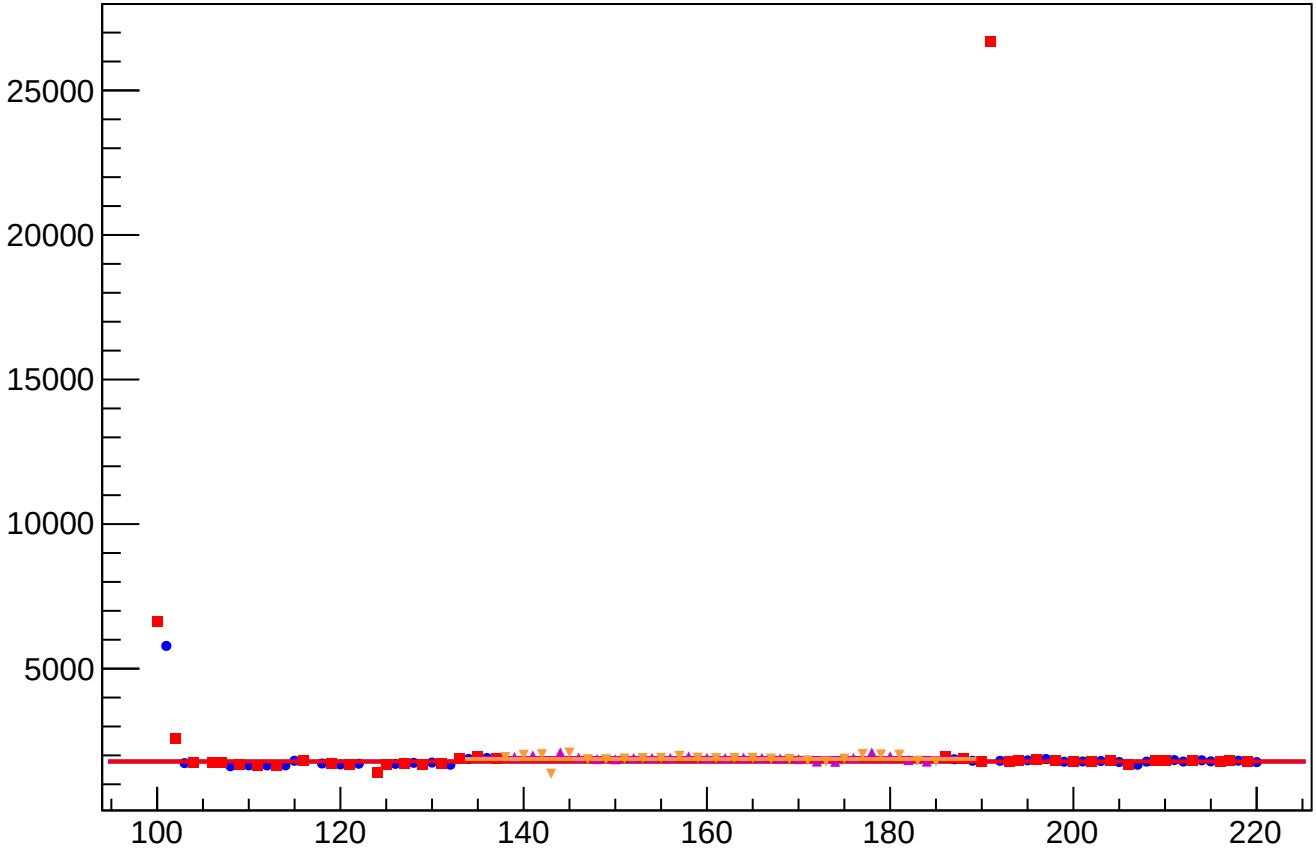
Right: 2072.124+/-277.353 χ^2/NDF: 58.8/69

In: 2175.216+/-294.967 χ^2/NDF:47.9/55

Out: 1871.665+/-288.761 χ^2/NDF:70.6/61

All: 2020.214+/-206.344 χ^2/NDF: 119.0/117

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1786.910+/-0.278 χ^2/NDF: 685407.6/32

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

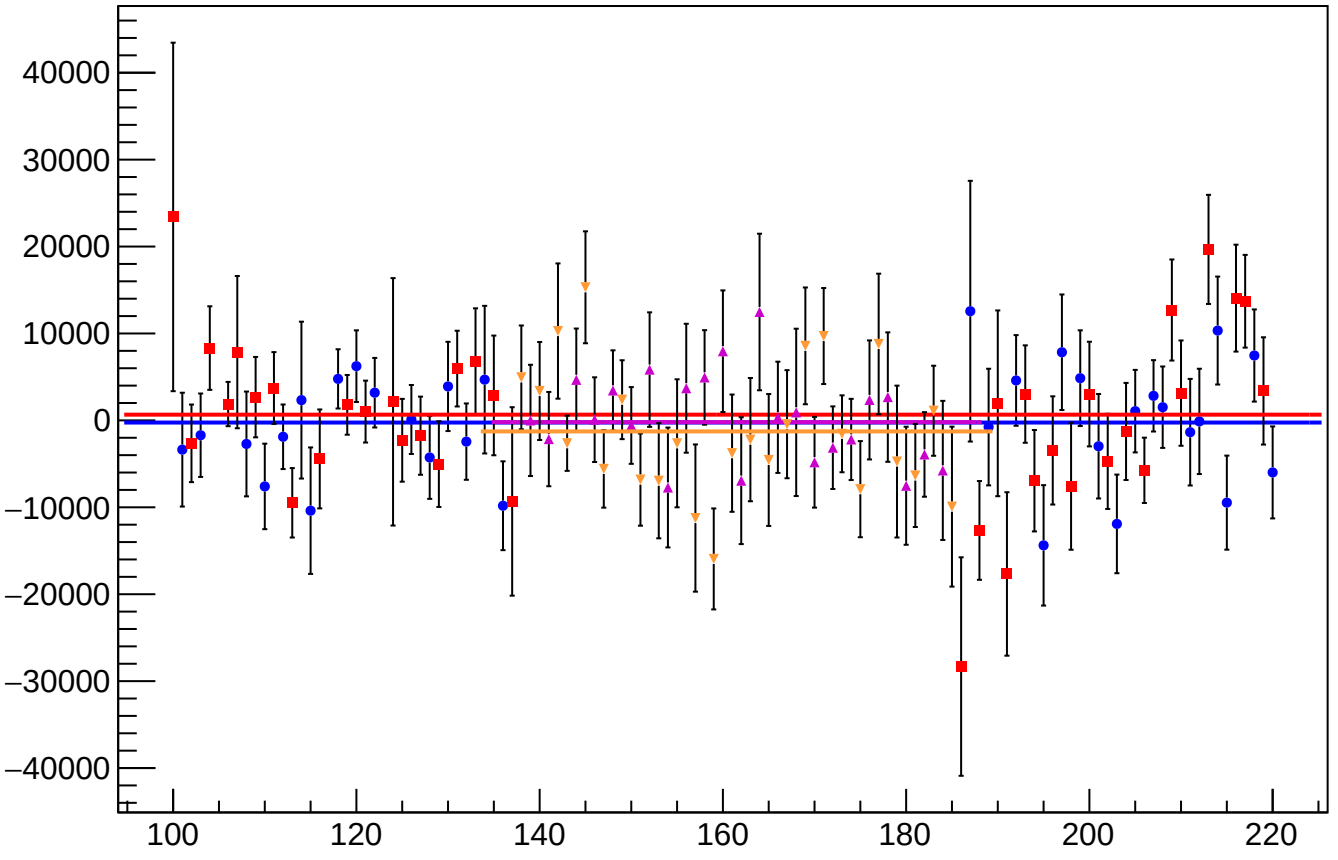
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1788.937+/-0.196 χ^2/NDF: 1249384.6/69

In: 1841.191+/-0.209 χ^2/NDF:832180.9/55

Out: 1828.457+/-0.204 χ^2/NDF:913877.8/61

All: 1834.686+/-0.146 χ^2/NDF: 1747962.9/11



Right In: -248.305+/-901.926 χ^2/NDF: 38.2/32

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 658.539+/-853.947 χ^2/NDF: 65.8/36

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

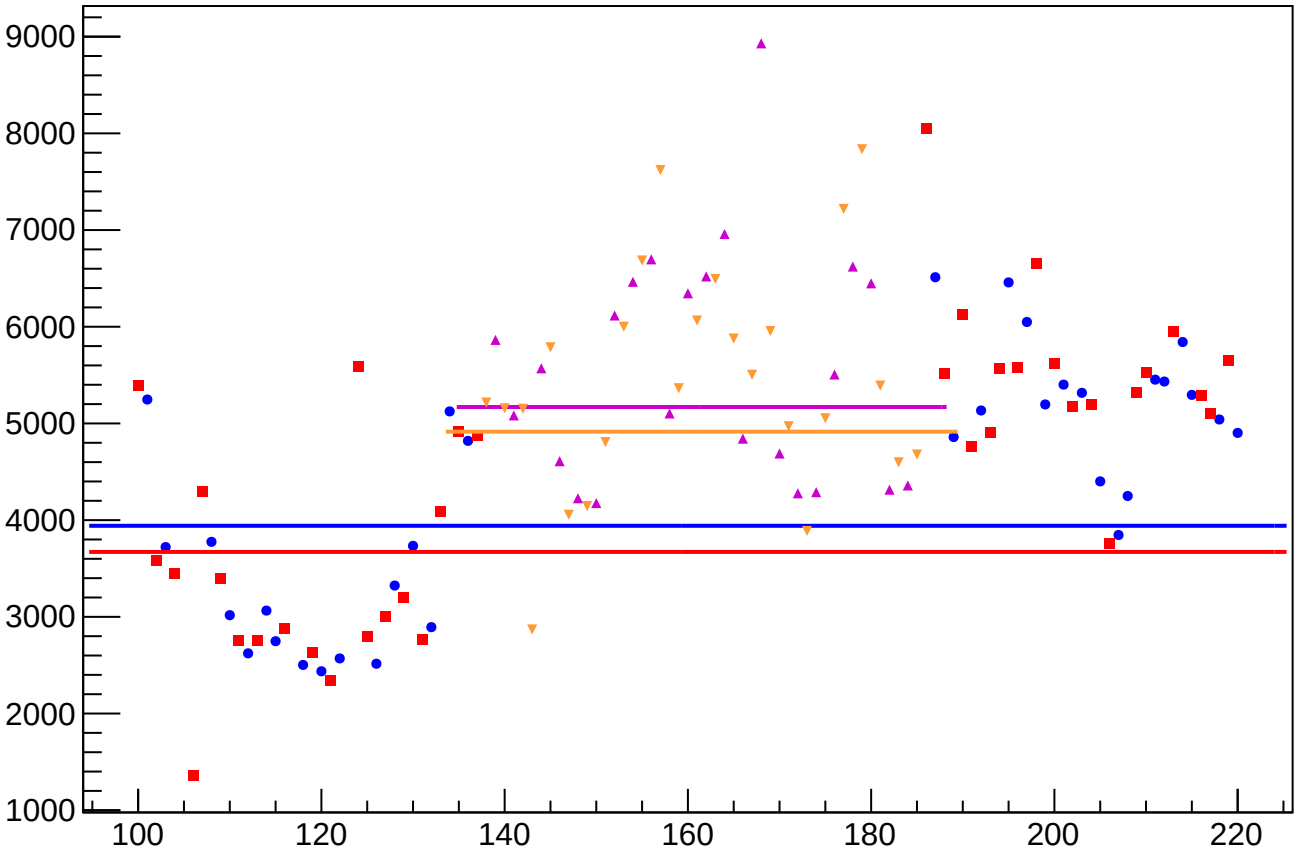
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: 229.878+/-620.100 χ^2/NDF: 104.5/69

In: -230.422+/-728.273 χ^2/NDF:51.0/55

Out: -22.127+/-686.890 χ^2/NDF:101.0/61

All: -120.188+/-499.694 χ^2/NDF: 152.0/117



Right In: 3941.618+/-0.638 χ^2/NDF: 3586634.4/32

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3671.374+/-0.604 χ^2/NDF: 5763773.5/36

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

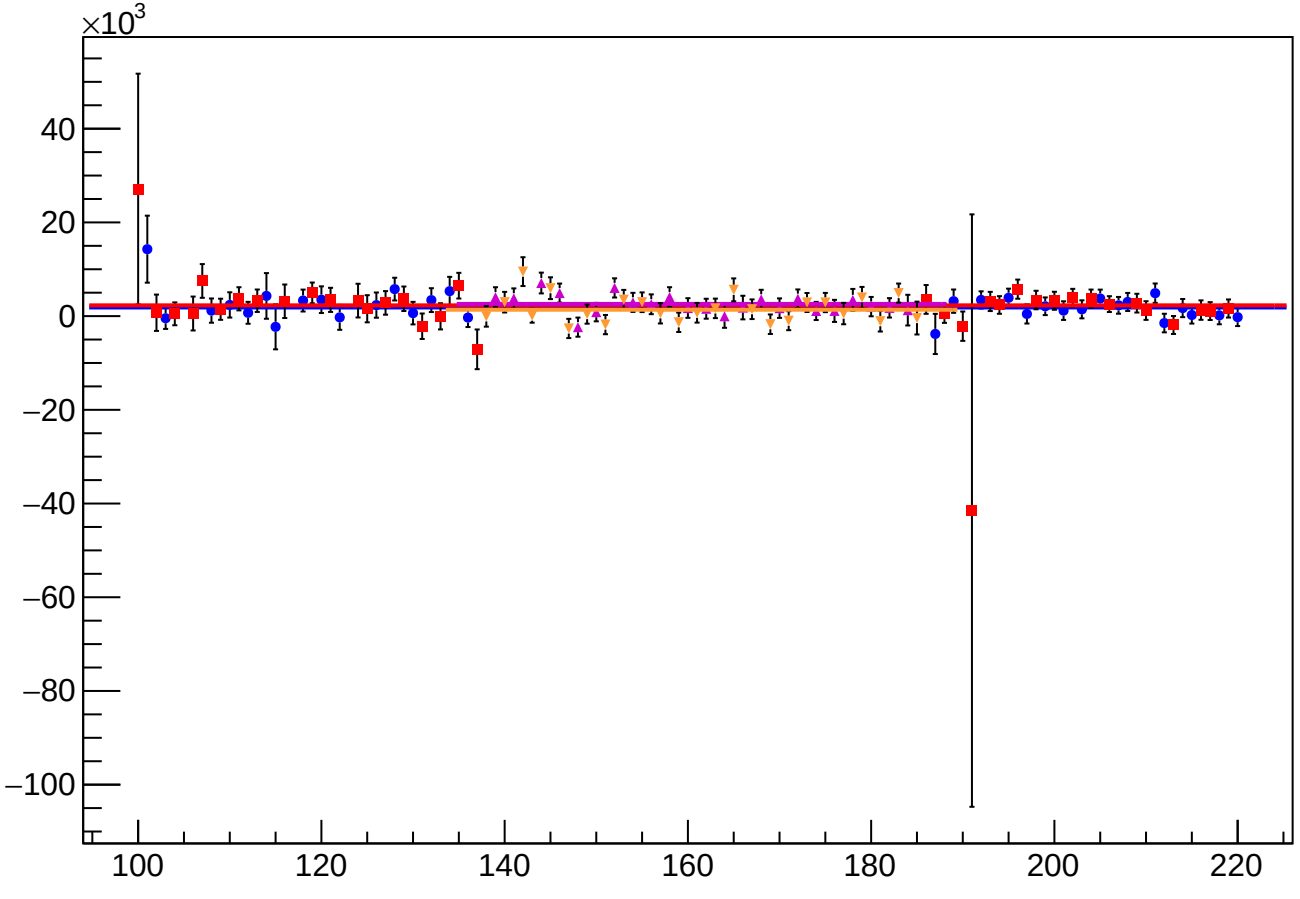
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3799.117+/-0.438 χ^2/NDF: 9445088.7/69

In: 4369.105+/-0.515 χ^2/NDF:6226430.2/55

Out: 4110.445+/-0.486 χ^2/NDF:9427886.1/61

All: 4232.217+/-0.353 χ^2/NDF: 15787833.1/1



Right In: 1844.720+/-392.747 χ^2/NDF: 26.2/32

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2298.346+/-391.727 χ^2/NDF: 31.9/36

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

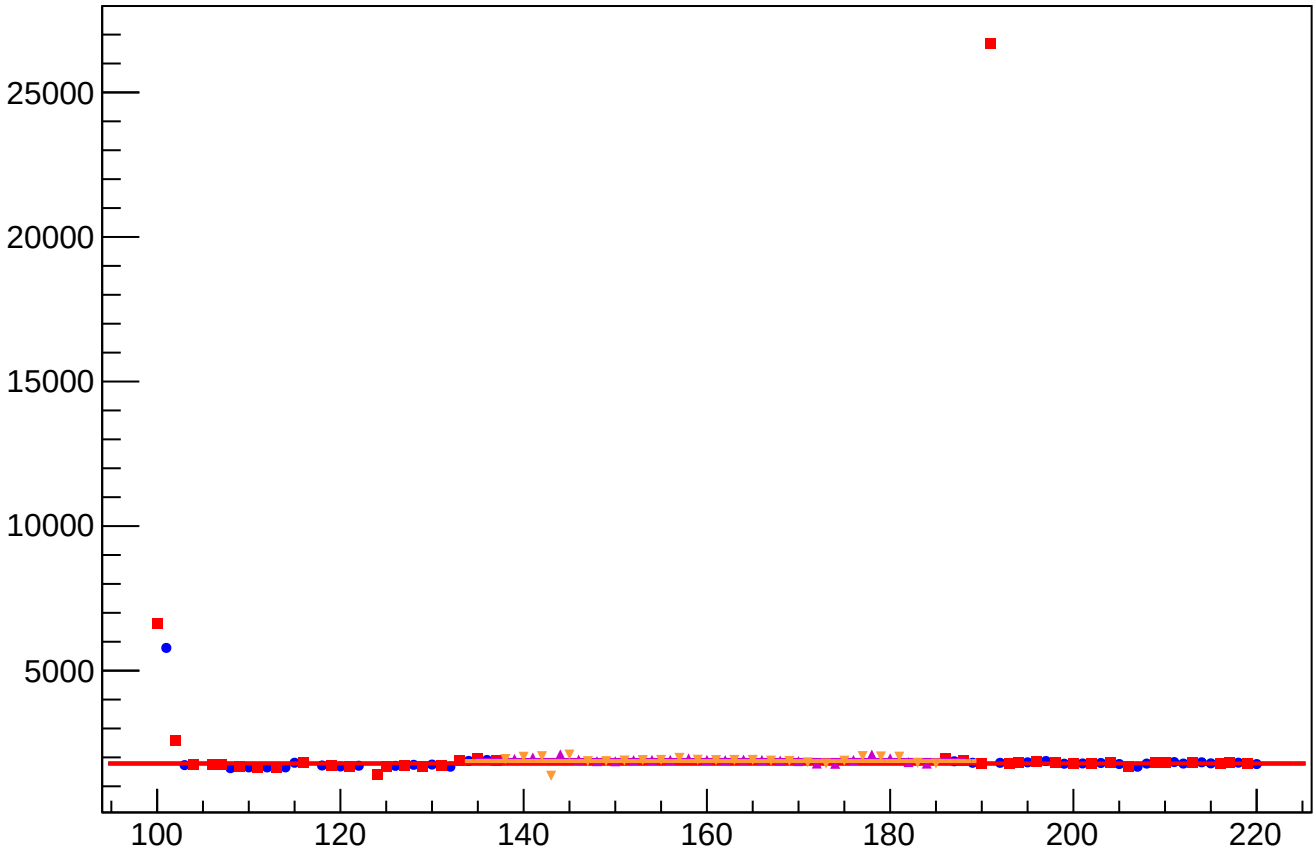
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2072.123+/-277.353 χ^2/NDF: 58.8/69

In: 2175.217+/-294.967 χ^2/NDF:47.9/55

Out: 1871.661+/-288.761 χ^2/NDF:70.6/61

All: 2020.212+/-206.344 χ^2/NDF: 119.0/117



Right In: 1786.910+/-0.278 χ^2/NDF: 685407.6/32

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

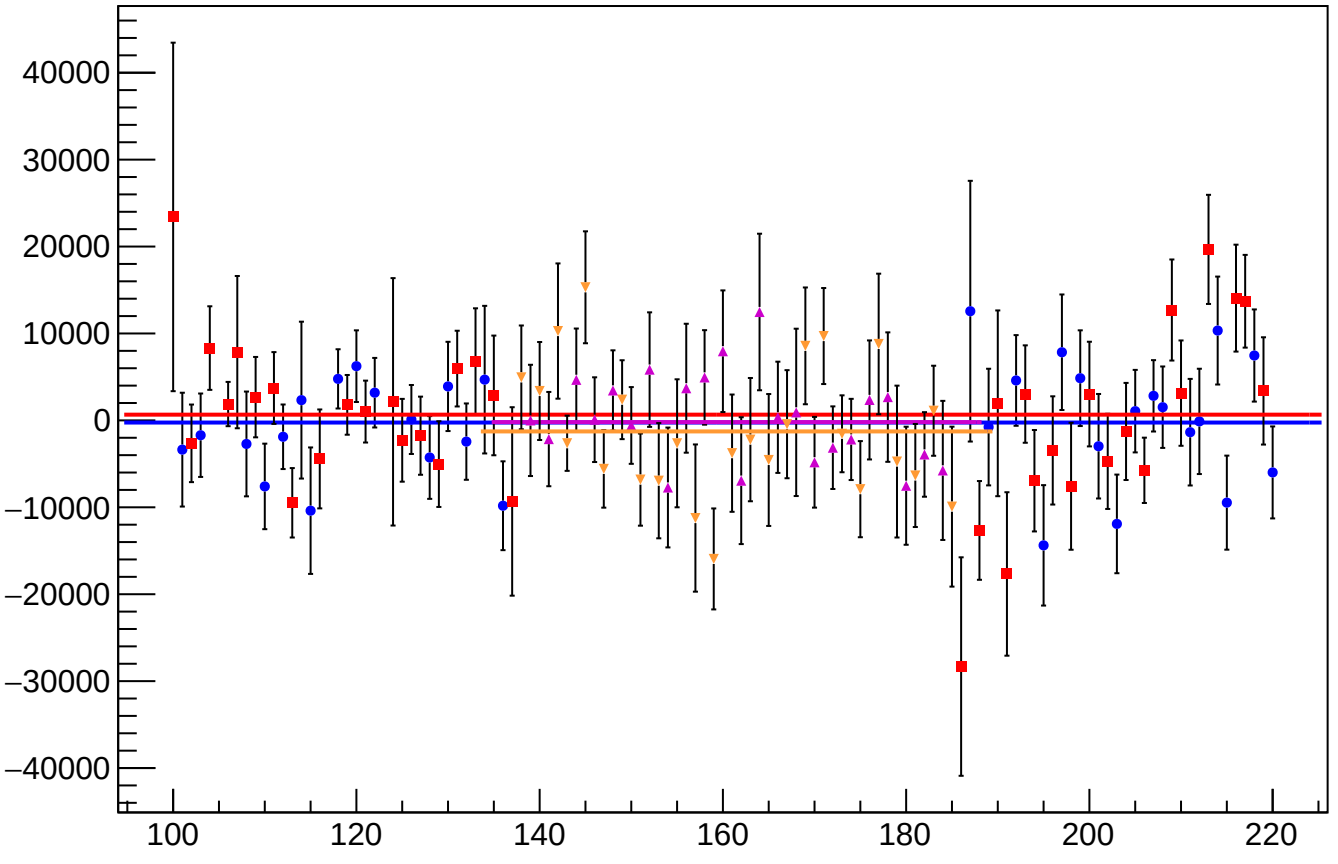
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1788.937+/-0.196 χ^2/NDF: 1249384.8/69

In: 1841.192+/-0.209 χ^2/NDF:832184.6/55

Out: 1828.458+/-0.204 χ^2/NDF:913882.4/61

All: 1834.686+/-0.146 χ^2/NDF: 1747971.3/11



Right In: -248.300+/-901.925 χ^2/NDF: 38.2/32

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 658.540+/-853.945 χ^2/NDF: 65.8/36

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

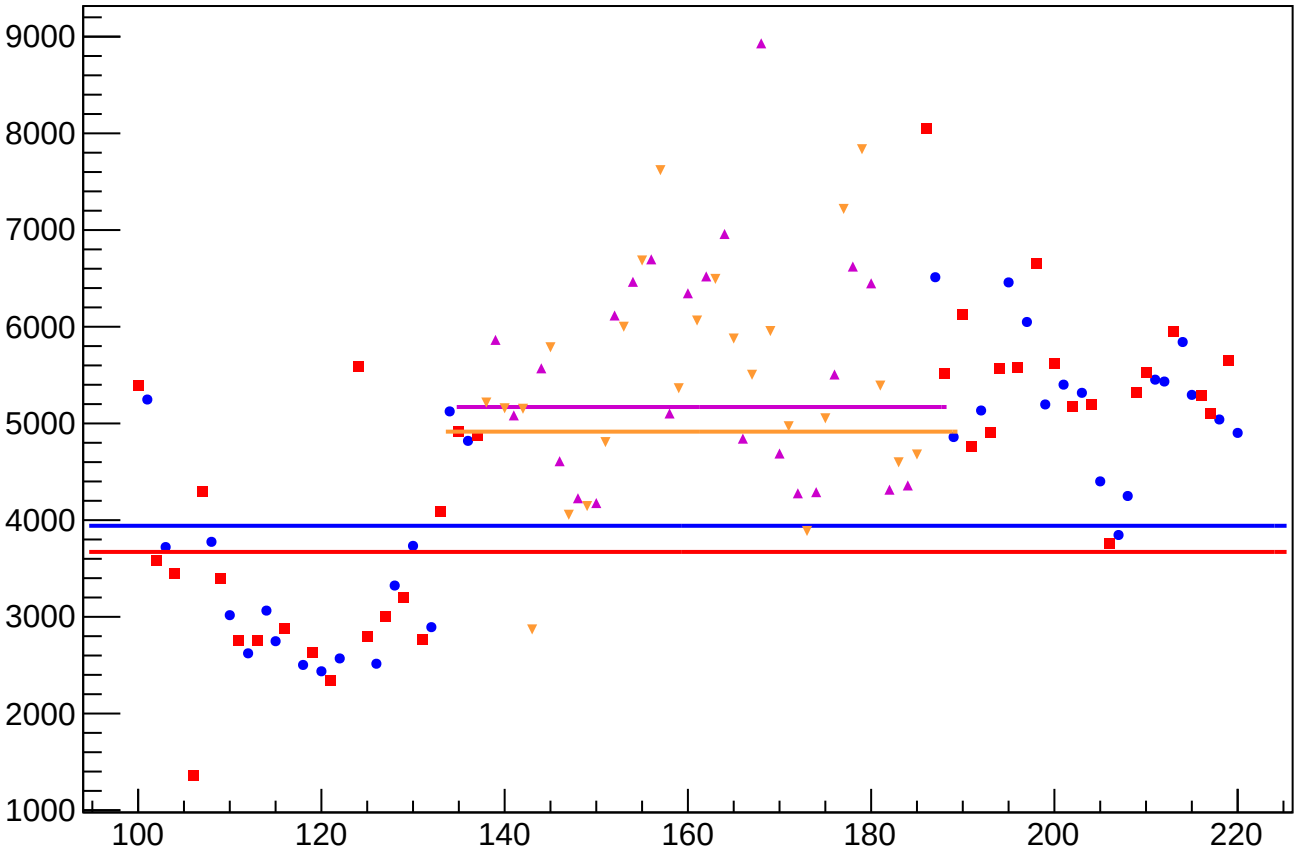
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: 229.881+/-620.099 χ^2/NDF: 104.5/69

In: -230.419+/-728.274 χ^2/NDF:51.0/55

Out: -22.125+/-686.889 χ^2/NDF:101.0/61

All: -120.186+/-499.694 χ^2/NDF: 152.0/117



Right In: 3941.612+/-0.638 χ^2/NDF: 3586696.6/32

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3671.363+/-0.604 χ^2/NDF: 5763859.3/36

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

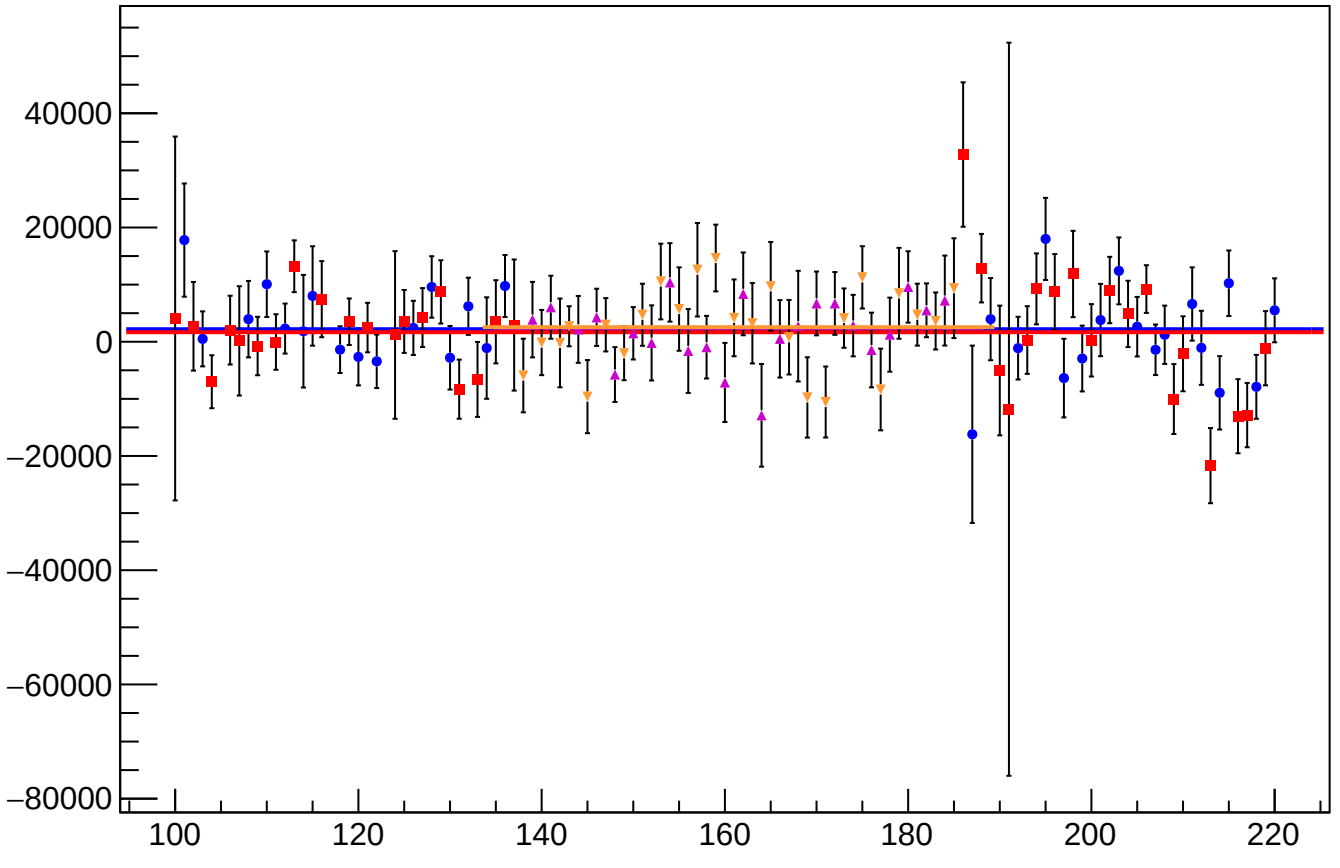
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3799.108+/-0.438 χ^2/NDF: 9445240.6/69

In: 4369.103+/-0.515 χ^2/NDF:6226520.5/55

Out: 4110.438+/-0.486 χ^2/NDF:9428020.1/61

All: 4232.213+/-0.353 χ^2/NDF: 15788062.0/1



Right In: 2190.530+/-1000.280 χ^2/NDF: 35.7/32

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 1670.241+/-1003.498 χ^2/NDF: 67.0/36

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

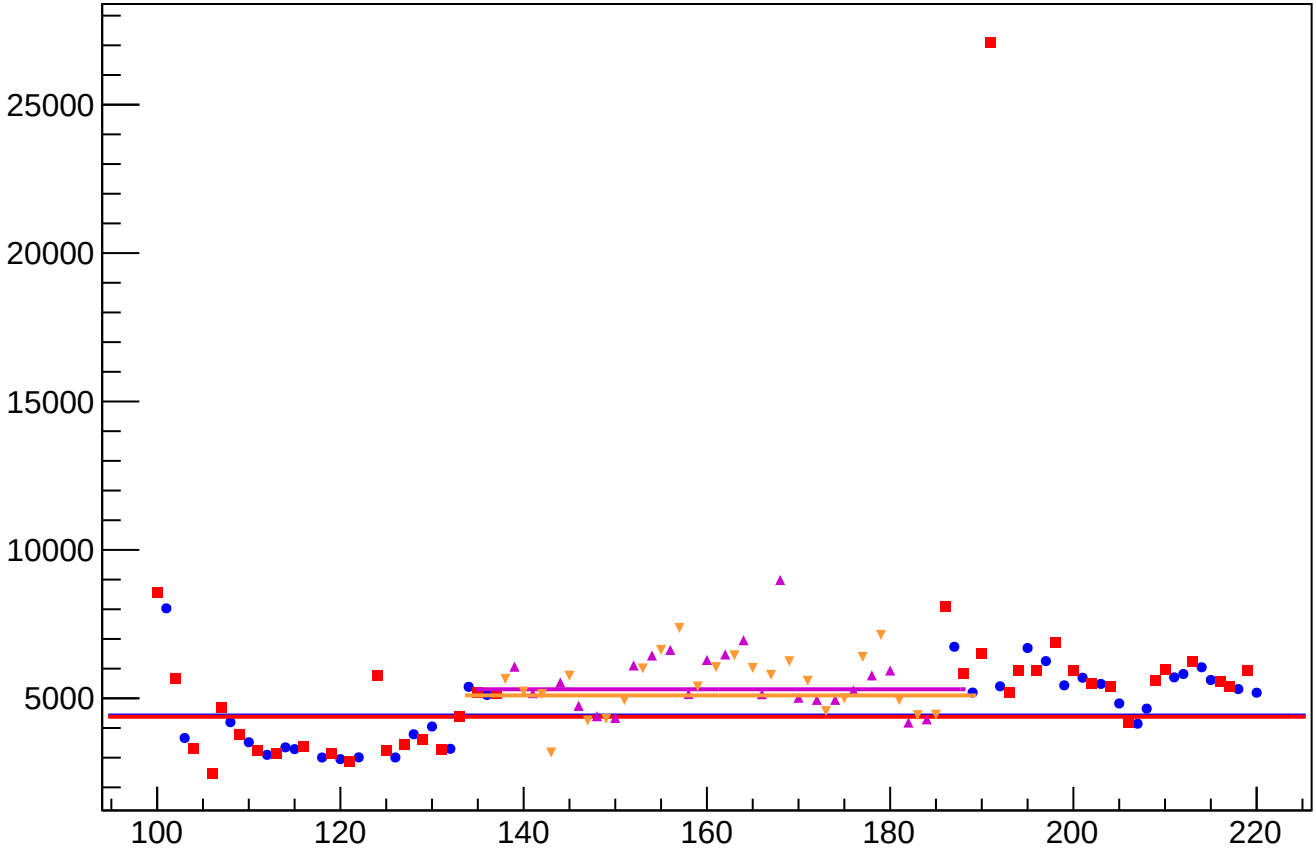
Right: 1931.221+/-708.440 χ^2/NDF: 102.8/69

In: 2280.437+/-783.340 χ^2/NDF:50.7/55

Out: 2035.474+/-766.518 χ^2/NDF:96.4/61

All: 2155.297+/-547.861 χ^2/NDF: 147.2/117

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 4419.880+/-0.707 χ^2/NDF: 2756276.1/32

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 4379.389+/-0.703 χ^2/NDF: 3606284.1/36

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

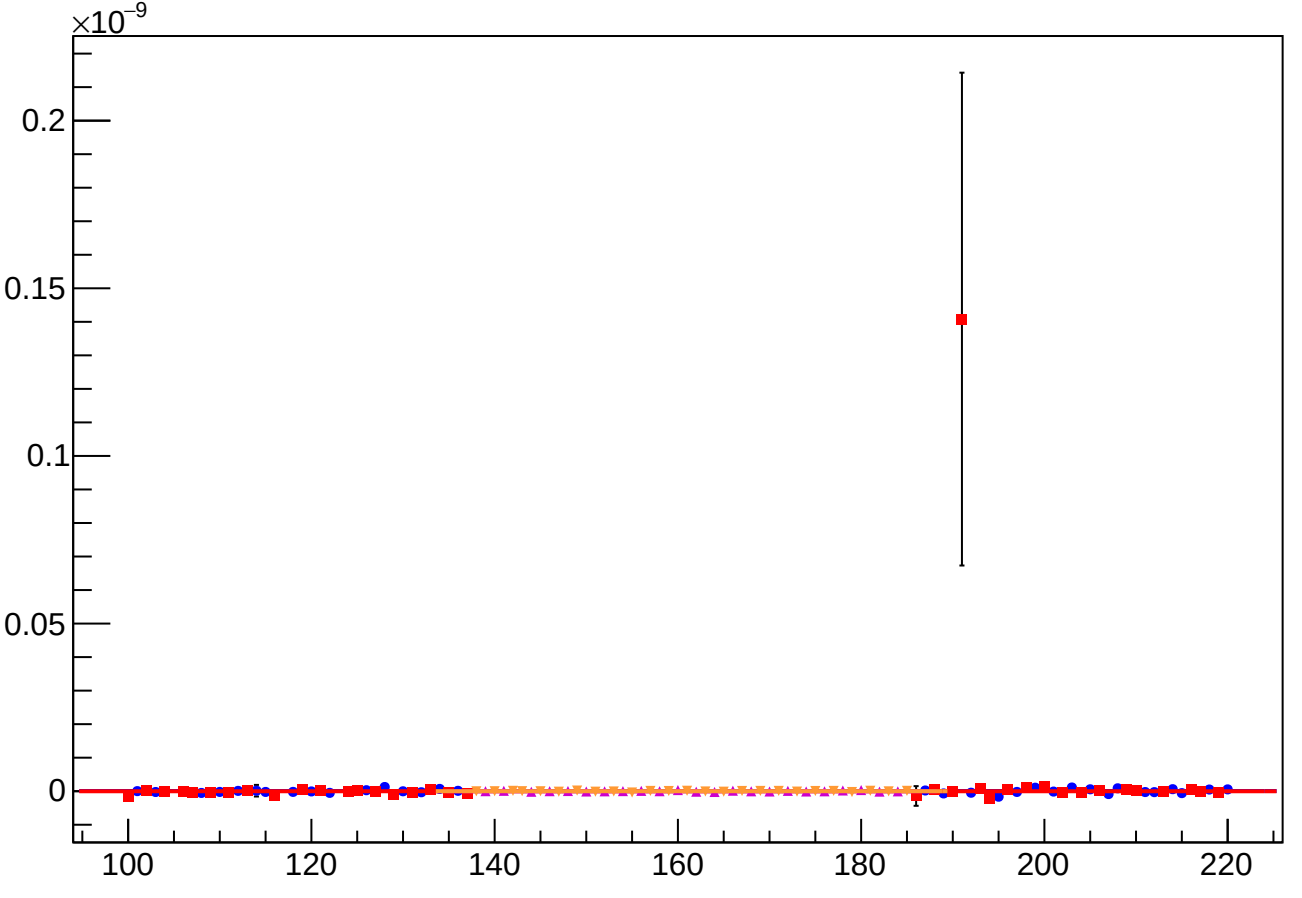
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

Right: 4399.523+/-0.499 χ^2/NDF: 6364207.9/69

In: 4761.854+/-0.554 χ^2/NDF:4378723.0/55

Out: 4675.671+/-0.539 χ^2/NDF:5580975.5/61

All: 4717.607+/-0.386 χ^2/NDF: 9972127.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 40.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.0/36

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

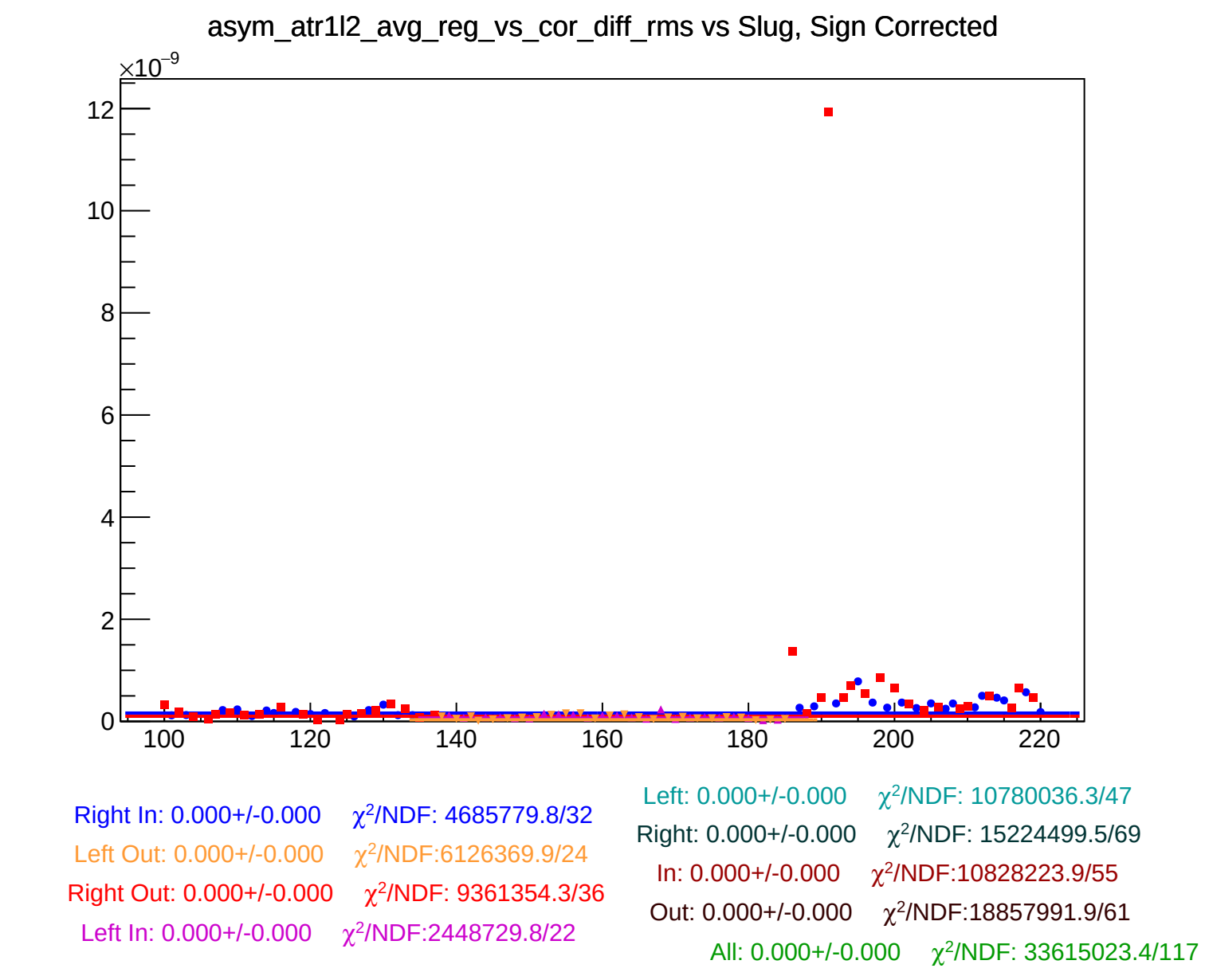
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: 0.000+/-0.000 χ^2/NDF: 83.0/69

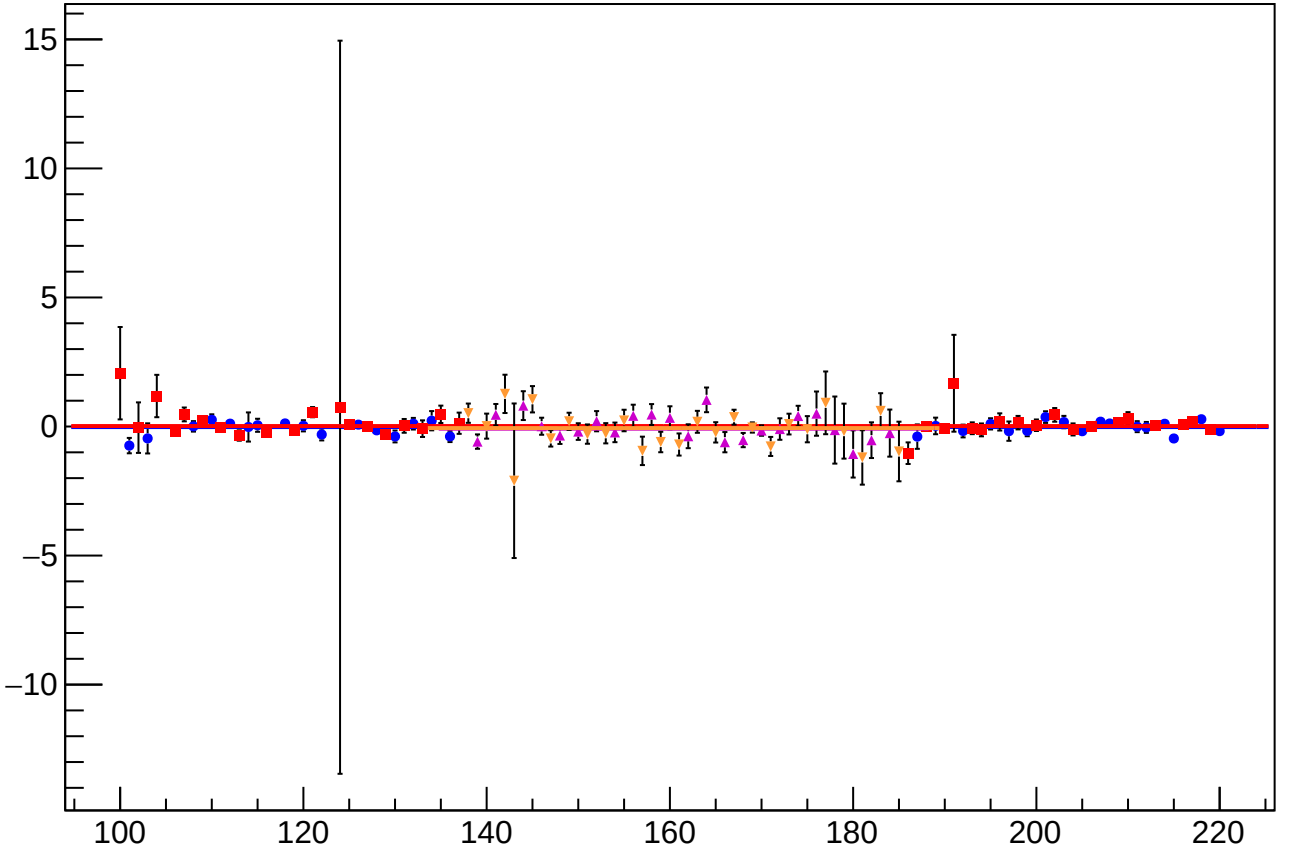
In: 0.000+/-0.000 χ^2/NDF:63.9/55

Out: 0.000+/-0.000 χ^2/NDF:57.3/61

All: 0.000+/-0.000 χ^2/NDF: 121.2/117


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 4685779.8/32
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 9361354.3/36
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: 15224499.5/69
In: 0.000+/-0.000 χ²/NDF:10828223.9/55
Out: 0.000+/-0.000 χ²/NDF:18857991.9/61
All: 0.000+/-0.000 χ²/NDF: 33615023.4/117

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.034 χ^2/NDF: 44.0/32

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

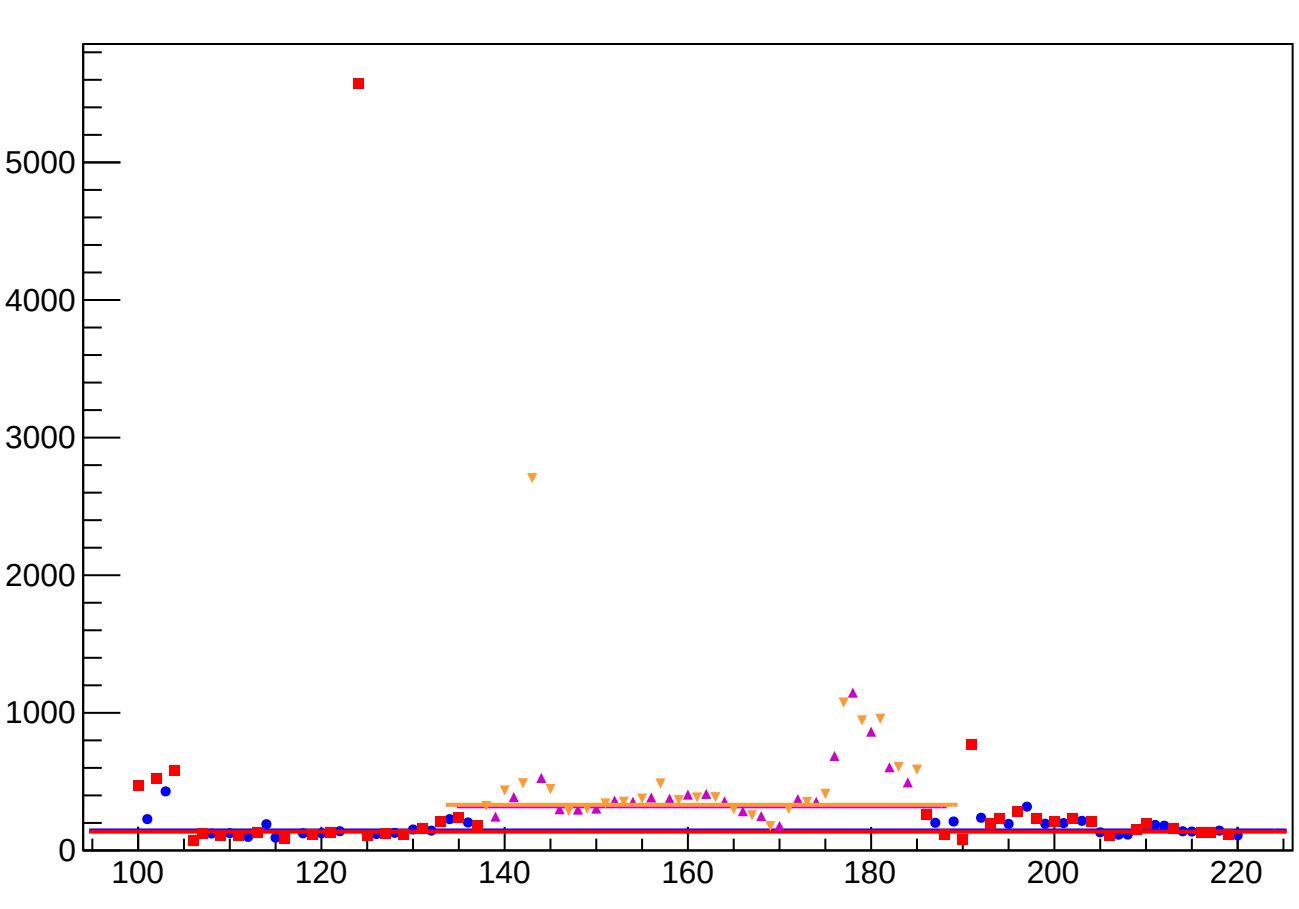
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.001+/-0.024 χ^2/NDF: 90.2/69

In: -0.031+/-0.032 χ^2/NDF:71.5/55

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.011+/-0.022 χ^2/NDF: 149.3/117



Right In: 145.195+/-0.024 χ^2/NDF: 3153054.8/32

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

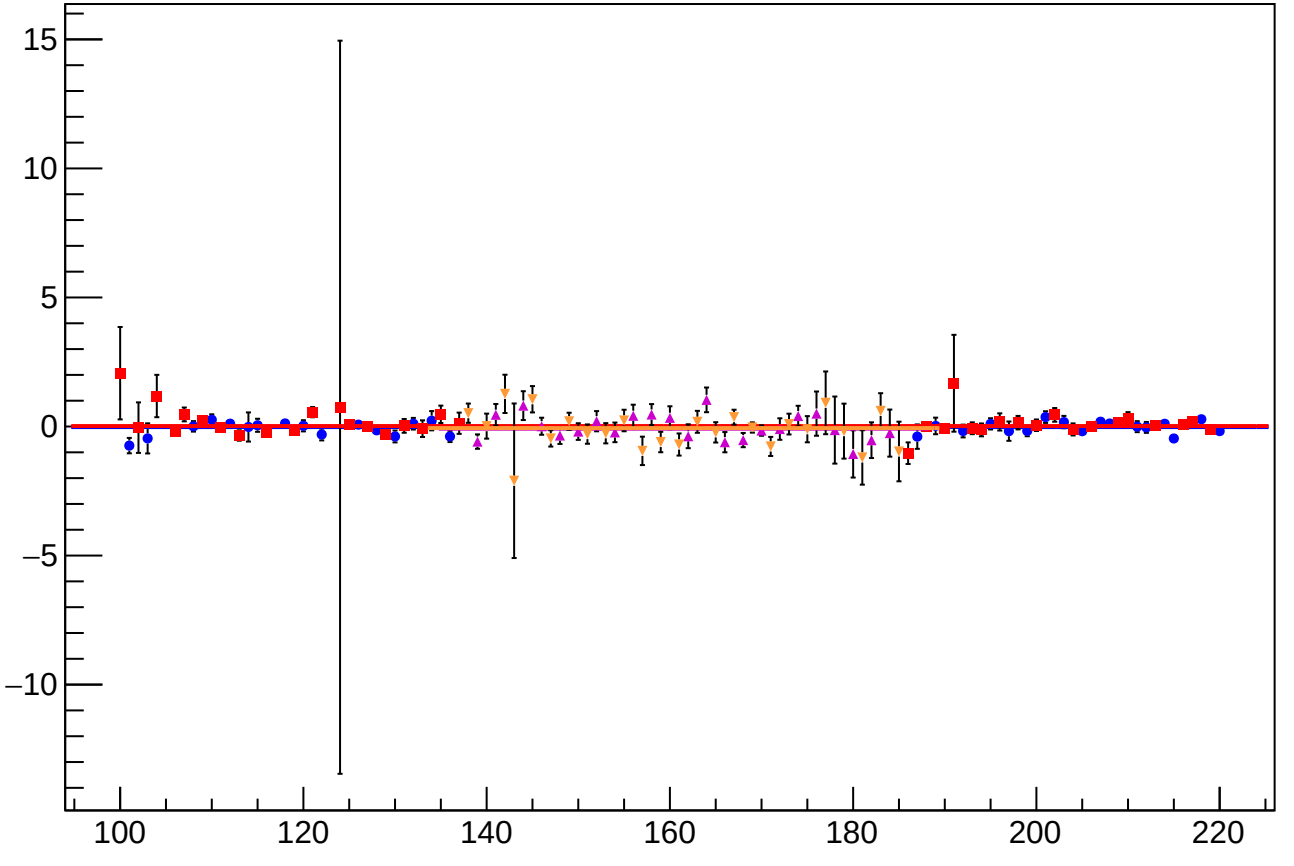
Right: 140.627+/-0.017 χ^2/NDF: 8364552.1/69

In: 172.046+/-0.022 χ^2/NDF:15330016.3/55

Out: 162.951+/-0.022 χ^2/NDF:20387597.7/61

All: 167.372+/-0.016 χ^2/NDF: 35802020.8/11

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.034 χ^2/NDF: 44.0/32

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

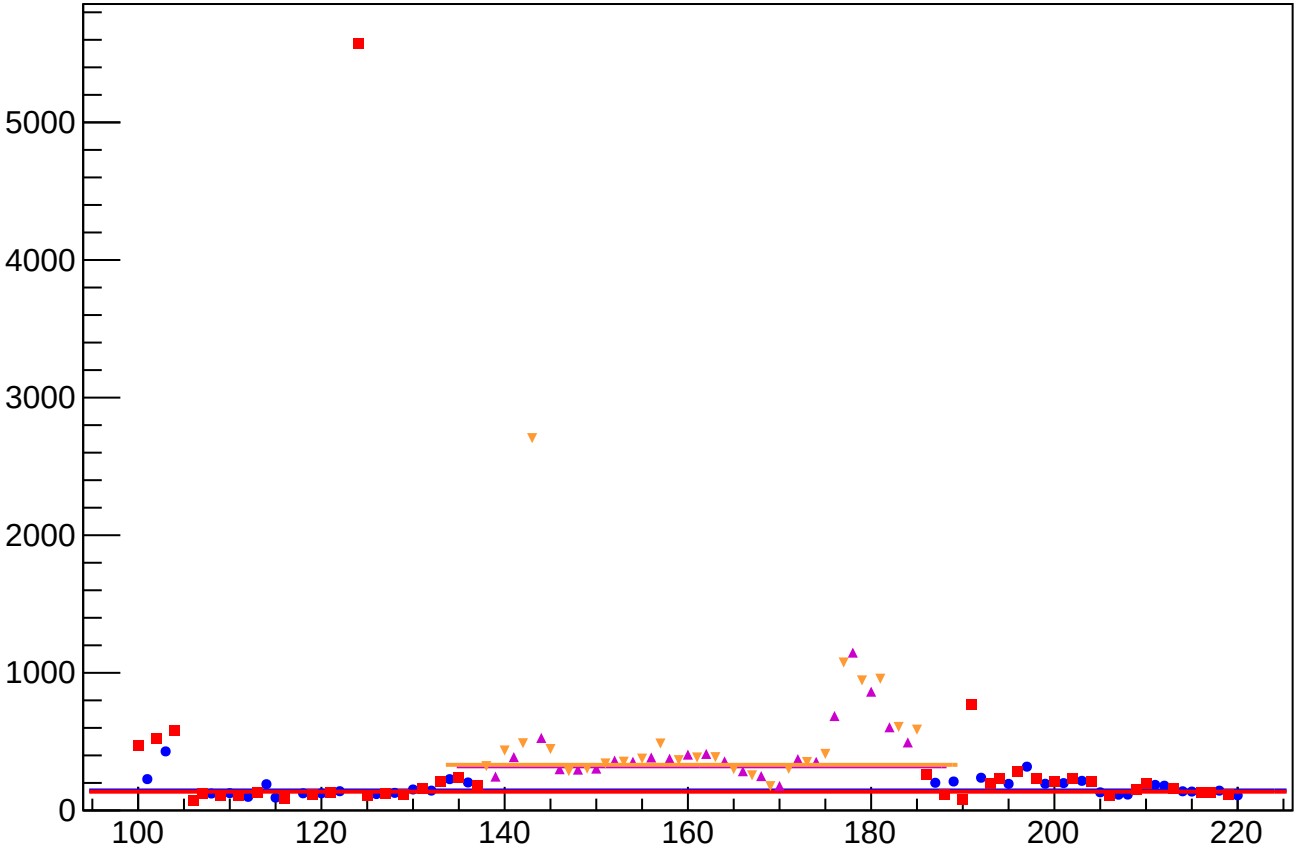
Right: -0.001+/-0.024 χ^2/NDF: 90.2/69

In: -0.031+/-0.032 χ^2/NDF:71.5/55

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.011+/-0.022 χ^2/NDF: 149.3/117

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.195+/-0.024 χ^2/NDF: 3153054.8/32

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

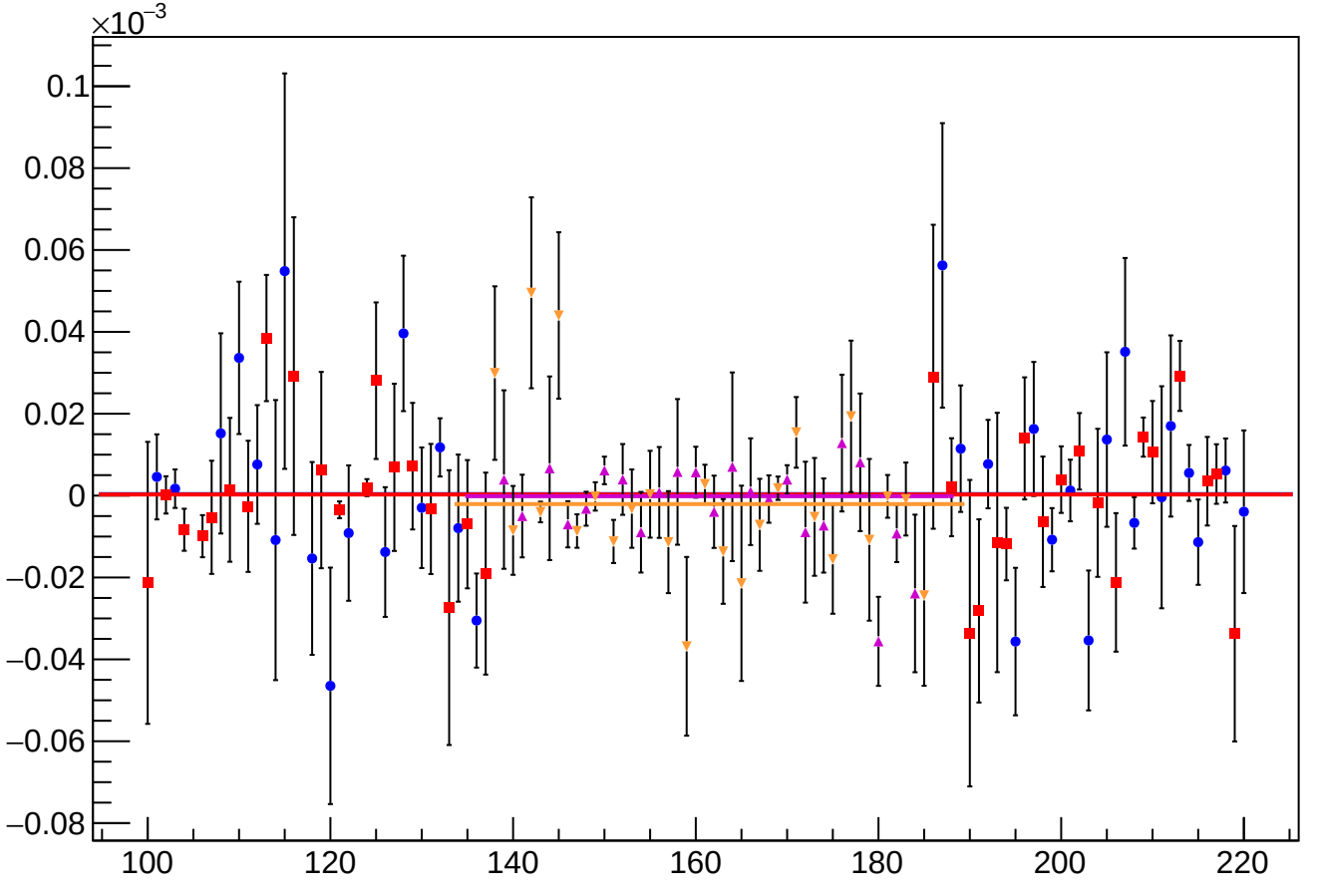
Right: 140.627+/-0.017 χ^2/NDF: 8364552.1/69

In: 172.046+/-0.022 χ^2/NDF:15330016.3/55

Out: 162.951+/-0.022 χ^2/NDF:20387597.7/61

All: 167.372+/-0.016 χ^2/NDF: 35802020.8/1

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 45.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 54.2/36

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

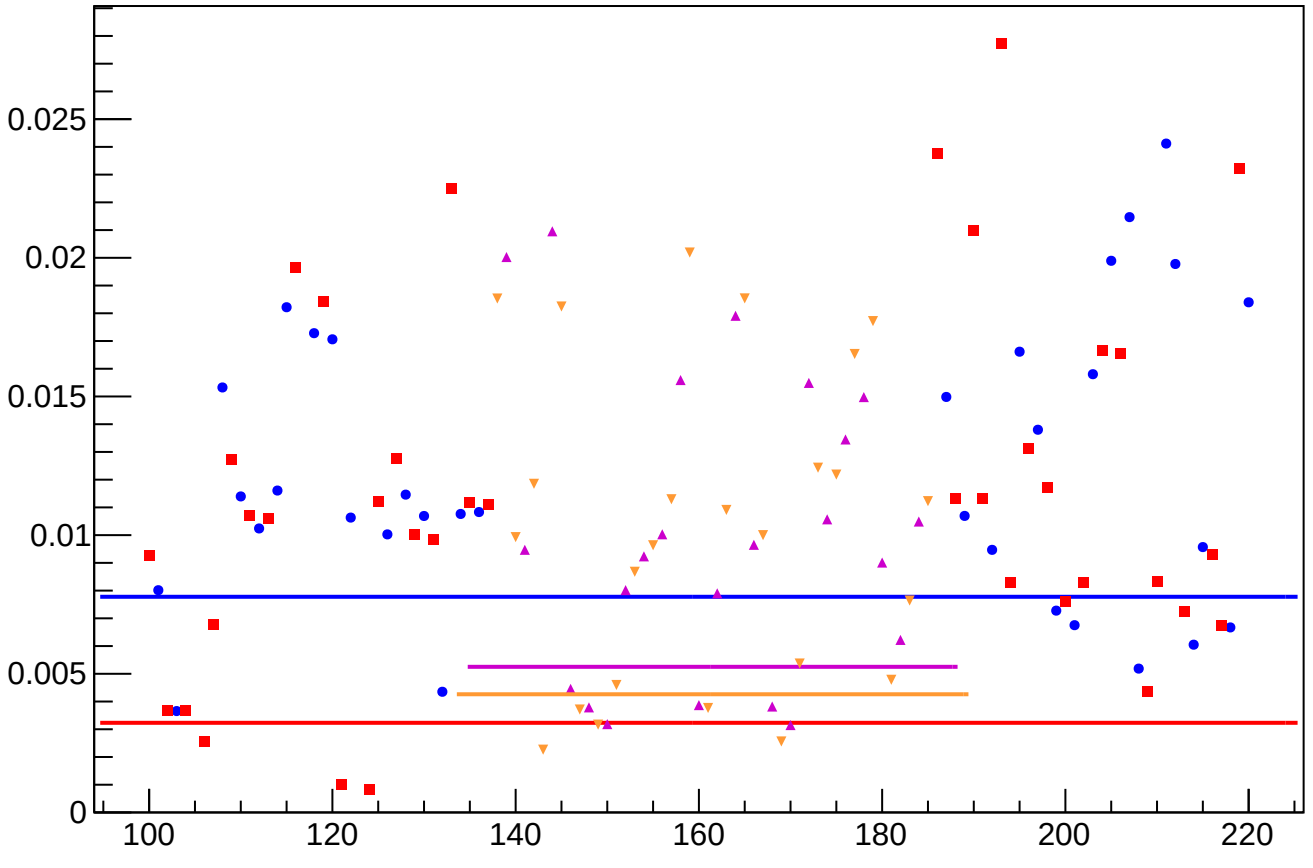
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: 0.000+/-0.000 χ^2/NDF: 100.1/69

In: 0.000+/-0.000 χ^2/NDF:70.8/55

Out: -0.000+/-0.000 χ^2/NDF:91.0/61

All: -0.000+/-0.000 χ^2/NDF: 162.1/117



Right In: 0.008+/-0.000 χ^2/NDF: 8685113.1/32

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23011104.6/36

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

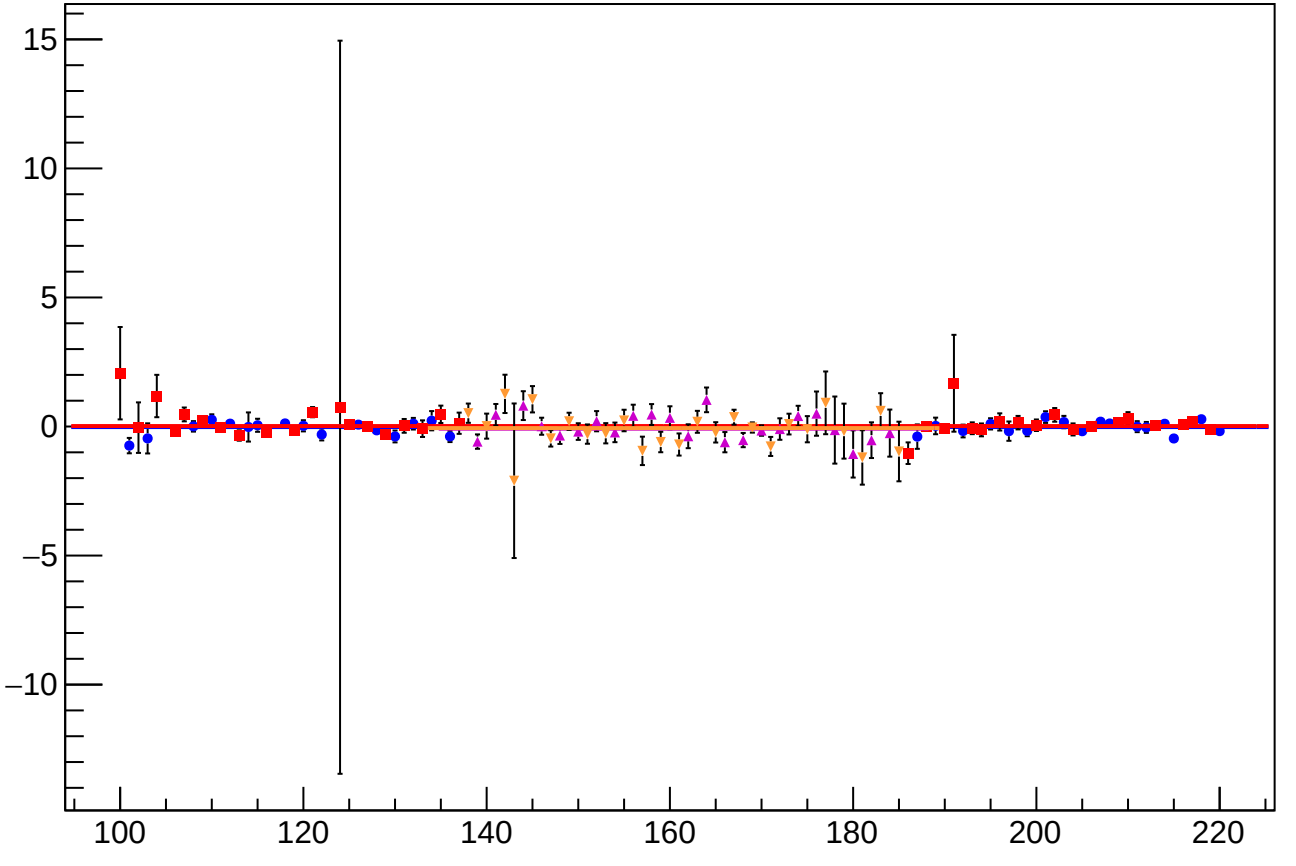
Right: 0.004+/-0.000 χ^2/NDF: 39642469.8/69

In: 0.006+/-0.000 χ^2/NDF:20260361.0/55

Out: 0.004+/-0.000 χ^2/NDF:36732540.3/61

All: 0.005+/-0.000 χ^2/NDF: 62761298.2/117

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.034 χ^2/NDF: 44.0/32

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

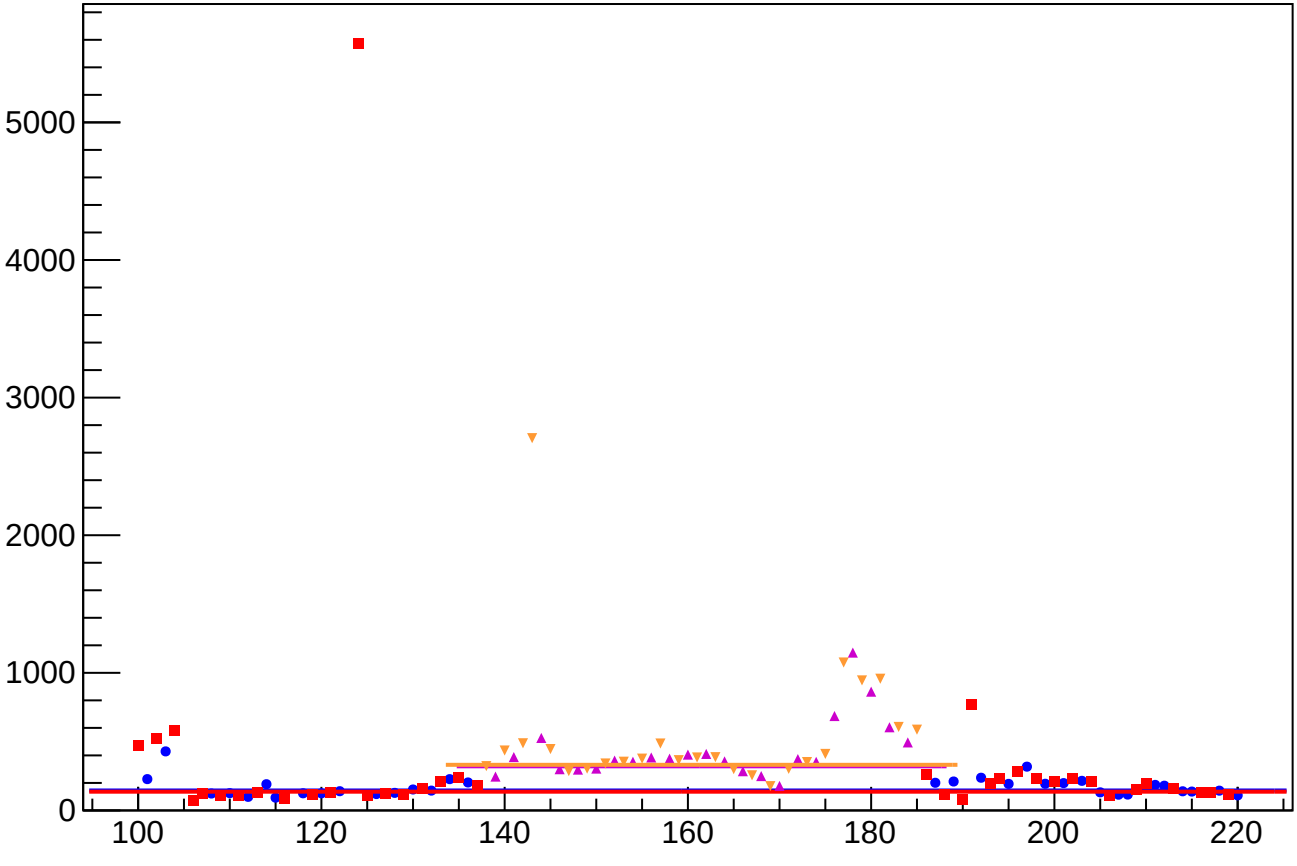
Right: -0.001+/-0.024 χ^2/NDF: 90.2/69

In: -0.031+/-0.032 χ^2/NDF:71.5/55

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.011+/-0.022 χ^2/NDF: 149.3/117

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.195+/-0.024 χ^2/NDF: 3153067.7/32

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

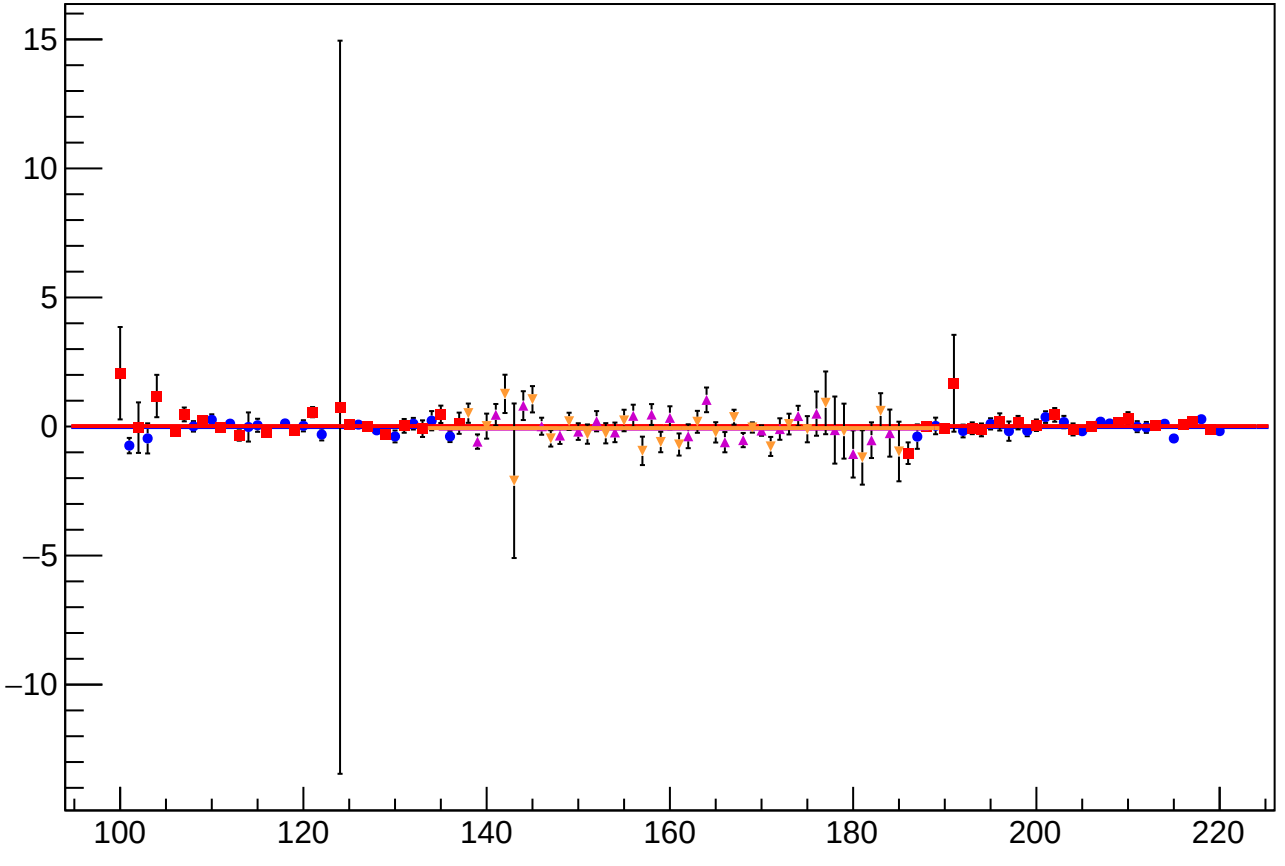
Right: 140.626+/-0.017 χ^2/NDF: 8364639.2/69

In: 172.046+/-0.022 χ^2/NDF:15330185.5/55

Out: 162.949+/-0.022 χ^2/NDF:20387933.6/61

All: 167.371+/-0.016 χ^2/NDF: 35802550.1/11

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.034 χ^2/NDF: 44.0/32

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

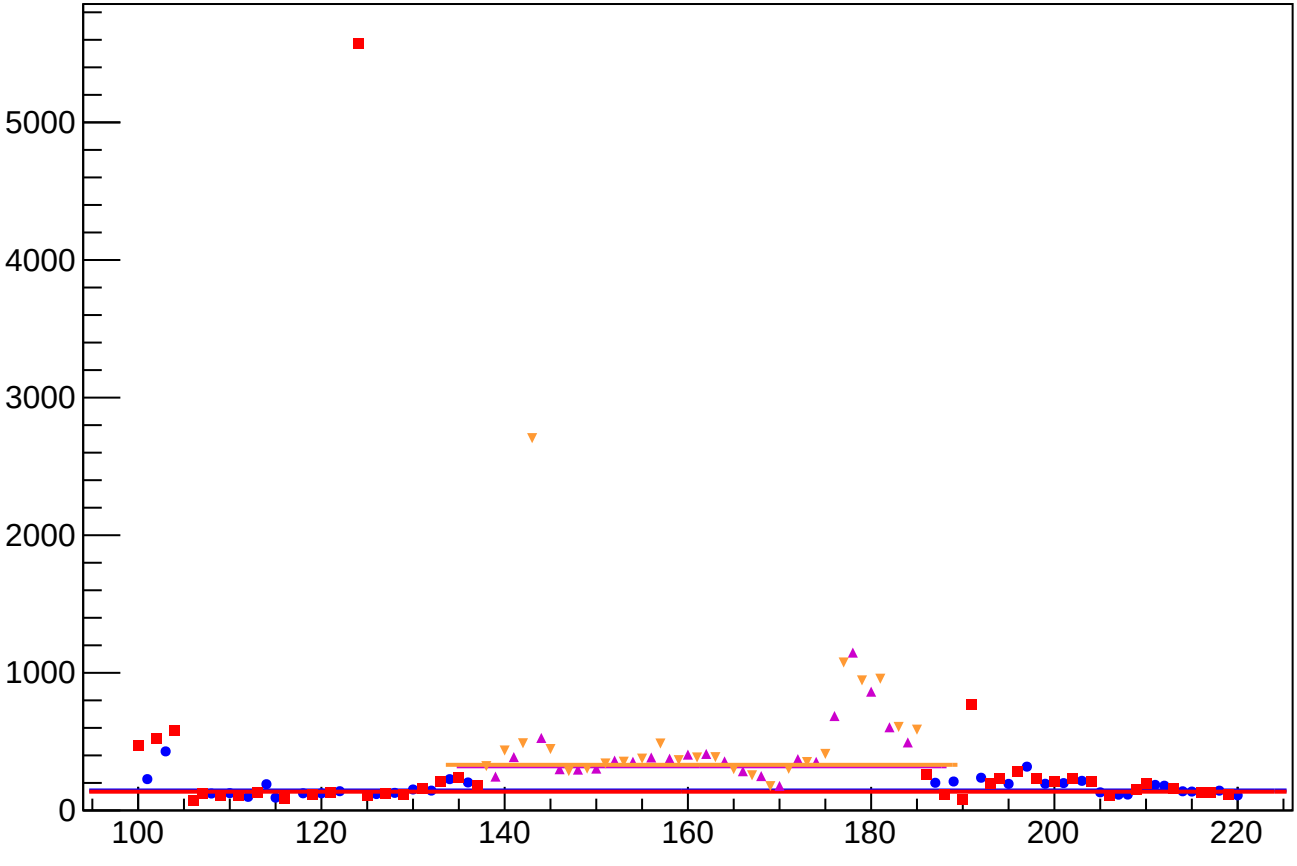
Right: -0.001+/-0.024 χ^2/NDF: 90.2/69

In: -0.031+/-0.032 χ^2/NDF:71.5/55

Out: 0.007+/-0.031 χ^2/NDF:77.1/61

All: -0.011+/-0.022 χ^2/NDF: 149.3/117

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.195+/-0.024 χ^2/NDF: 3153067.7/32

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

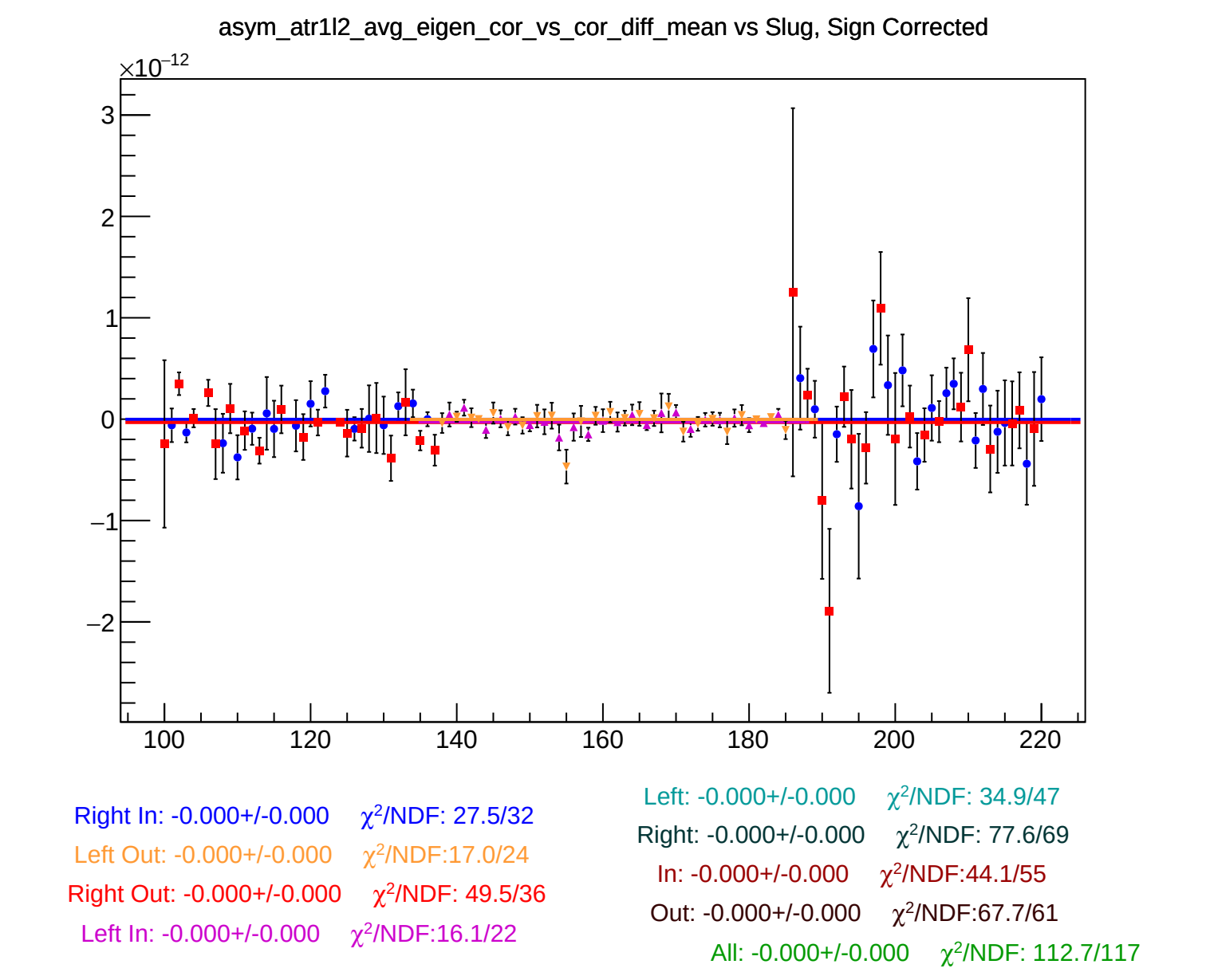
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

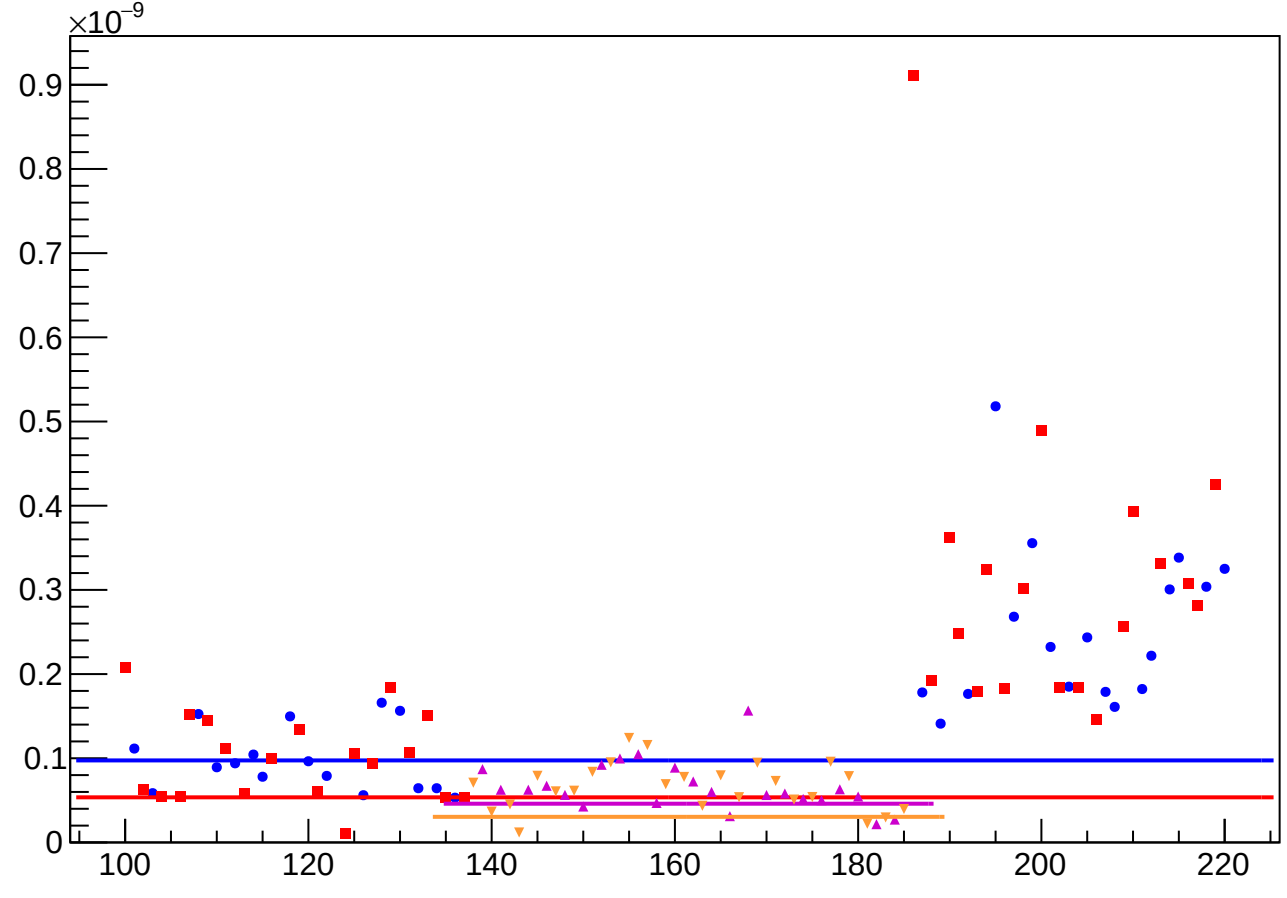
Right: 140.626+/-0.017 χ^2/NDF: 8364639.2/69

In: 172.046+/-0.022 χ^2/NDF:15330185.5/55

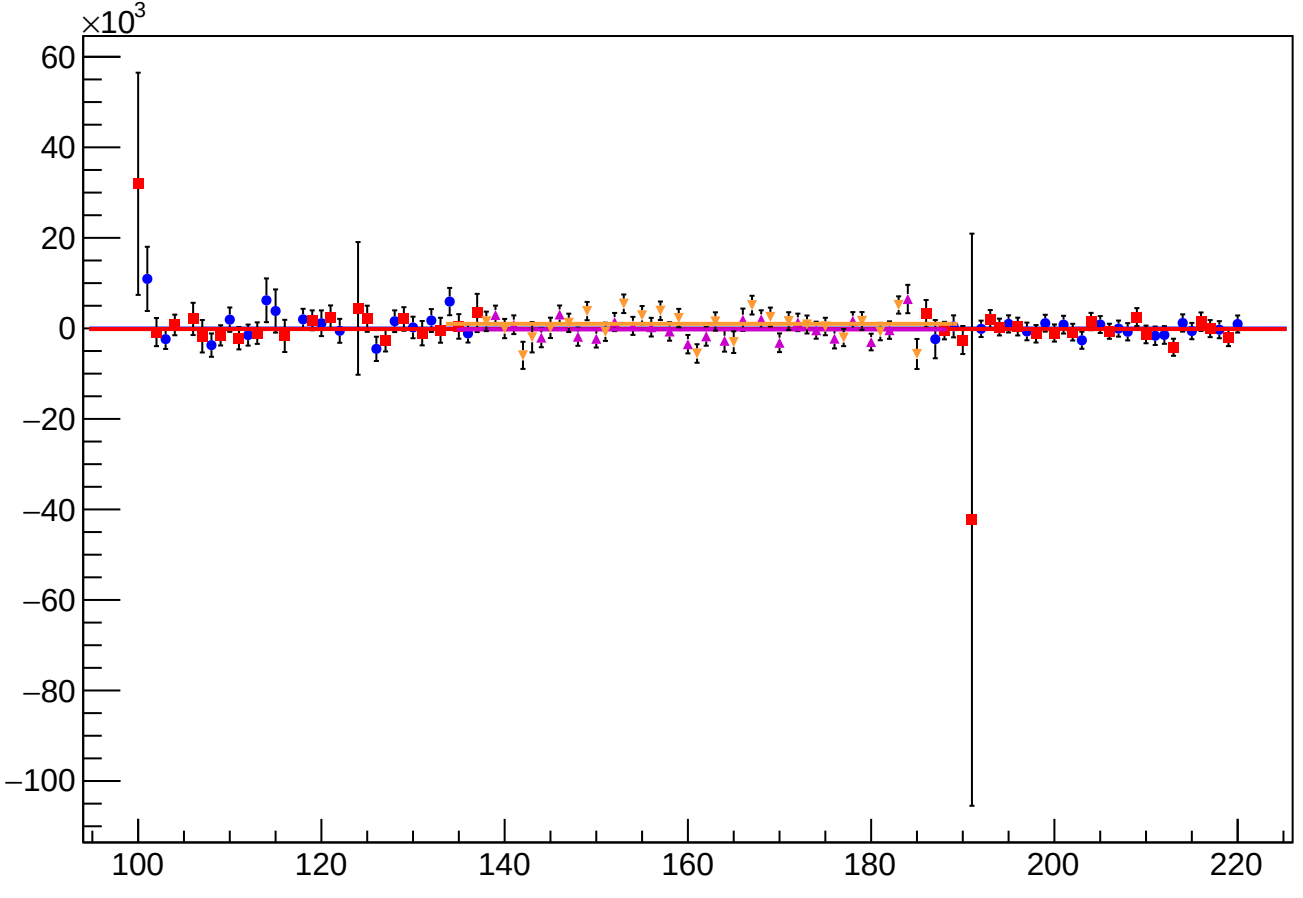
Out: 162.949+/-0.022 χ^2/NDF:20387933.6/61

All: 167.371+/-0.016 χ^2/NDF: 35802550.1/11


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 27.5/32
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 49.5/36
Left In: -0.000+/-0.000 χ²/NDF:16.1/22
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 77.6/69
In: -0.000+/-0.000 χ²/NDF:44.1/55
Out: -0.000+/-0.000 χ²/NDF:67.7/61
All: -0.000+/-0.000 χ²/NDF: 112.7/117


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7743478.8/32
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 15043717.8/36
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
Left: 0.000+/-0.000 χ²/NDF: 16912386.2/47
Right: 0.000+/-0.000 χ²/NDF: 24989908.5/69
In: 0.000+/-0.000 χ²/NDF:16532959.7/55
Out: 0.000+/-0.000 χ²/NDF:27070139.3/61
All: 0.000+/-0.000 χ²/NDF: 46442211.9/117

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -39.575+/-387.280 χ^2/NDF: 23.3/32

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -150.930+/-387.153 χ^2/NDF: 22.5/36

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

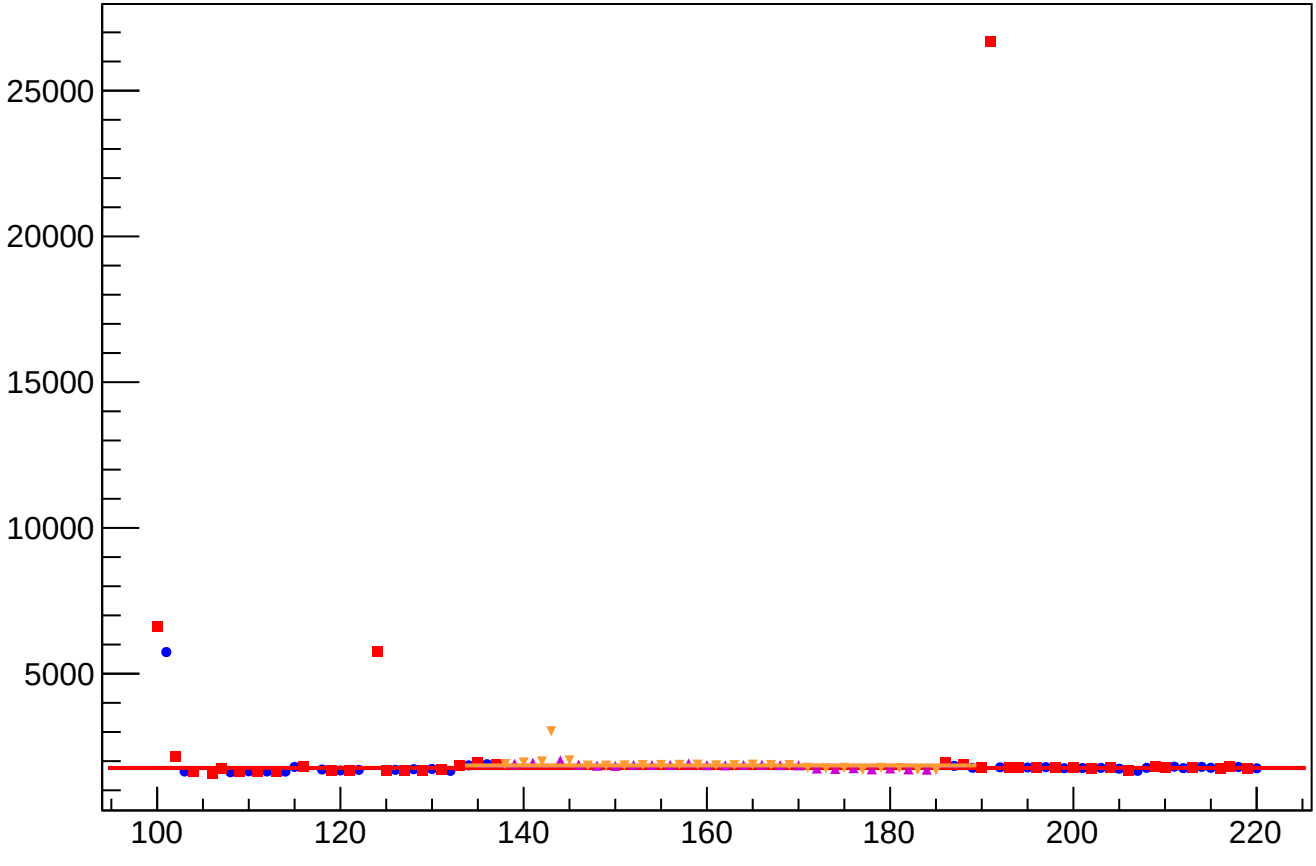
Right: -95.270+/-273.803 χ^2/NDF: 45.8/69

In: -124.623+/-287.680 χ^2/NDF:49.8/55

Out: 376.174+/-285.463 χ^2/NDF:73.9/61

All: 127.712+/-202.632 χ^2/NDF: 125.2/117

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.337+/-0.274 χ^2/NDF: 681051.2/32

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.423+/-0.273 χ^2/NDF: 647268.7/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

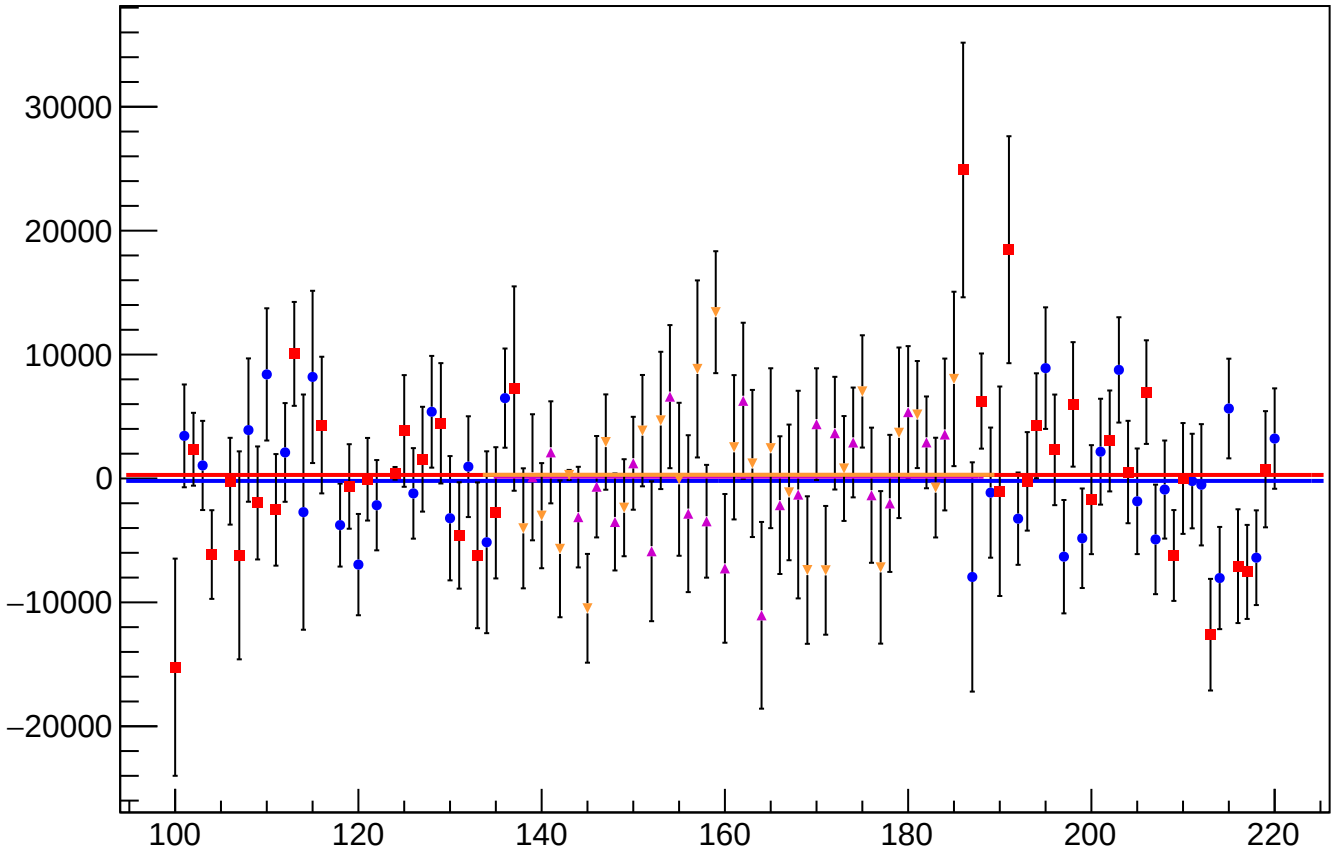
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1764.887+/-0.193 χ^2/NDF: 1328492.8/69

In: 1796.487+/-0.203 χ^2/NDF:784225.0/55

Out: 1806.152+/-0.202 χ^2/NDF:1012519.5/61

All: 1801.364+/-0.143 χ^2/NDF: 1797883.5/11



Right In: -197.003+/-758.857 χ^2/NDF: 38.4/32

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 284.591+/-420.925 χ^2/NDF: 55.1/36

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

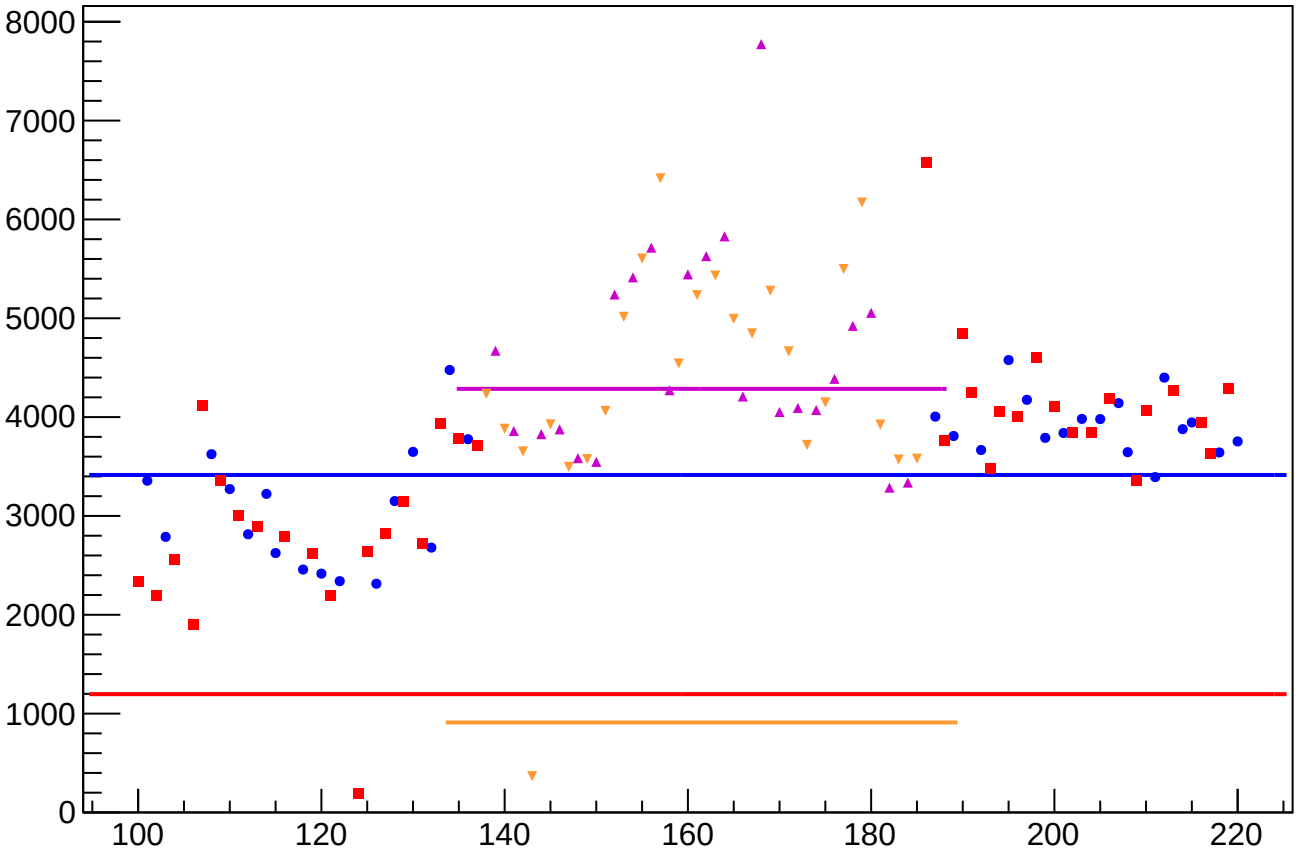
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 171.279+/-368.091 χ^2/NDF: 93.8/69

In: -77.962+/-609.465 χ^2/NDF:52.3/55

Out: 290.000+/-282.031 χ^2/NDF:85.1/61

All: 225.102+/-255.954 χ^2/NDF: 137.8/117



Right In: 3414.537+/-0.537 χ^2/NDF: 1437037.1/32

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1196.710+/-0.298 χ^2/NDF: 26359722.3/36

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

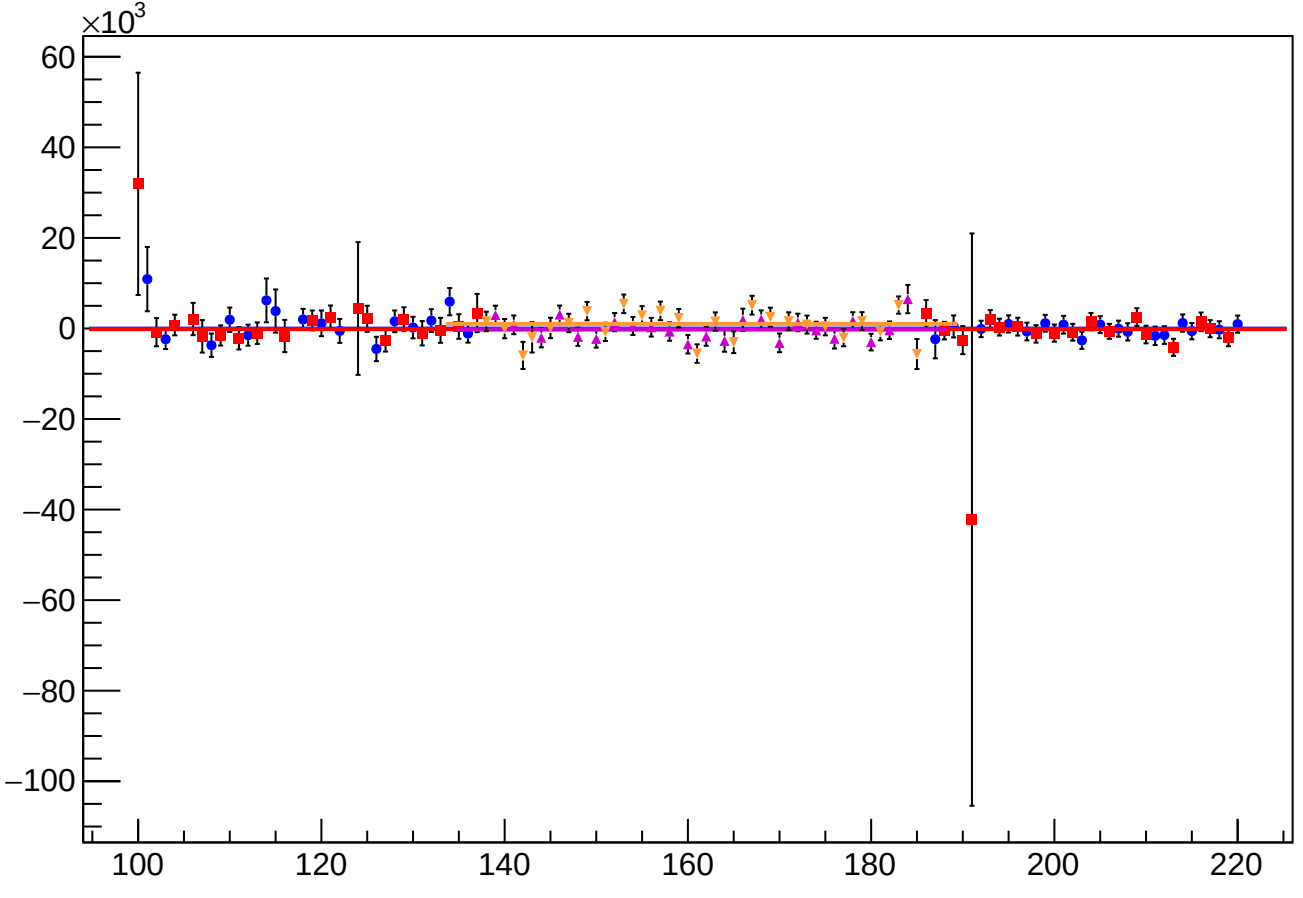
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1718.528+/-0.260 χ^2/NDF: 40860466.2/69

In: 3723.826+/-0.431 χ^2/NDF:3700911.8/55

Out: 1038.788+/-0.199 χ^2/NDF:53644703.7/61

All: 1512.350+/-0.181 χ^2/NDF: 89317242.7/1



Right In: -39.741+/-387.280 χ^2/NDF: 23.3/32

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -150.930+/-387.153 χ^2/NDF: 22.5/36

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

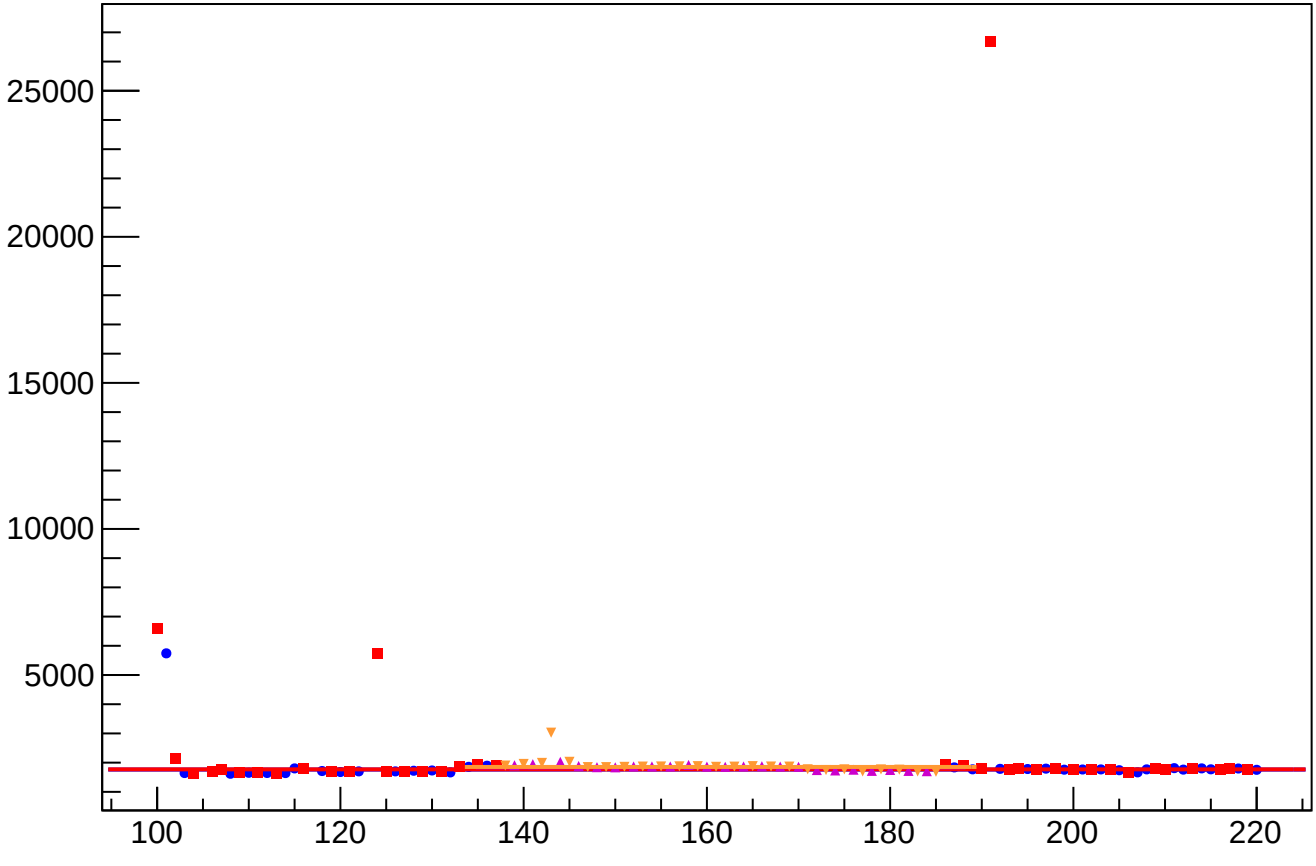
Right: -95.354+/-273.803 χ^2/NDF: 45.8/69

In: -124.676+/-287.680 χ^2/NDF:49.7/55

Out: 376.154+/-285.463 χ^2/NDF:73.9/61

All: 127.676+/-202.632 χ^2/NDF: 125.2/117

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.337+/-0.274 χ^2/NDF: 681051.4/32

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

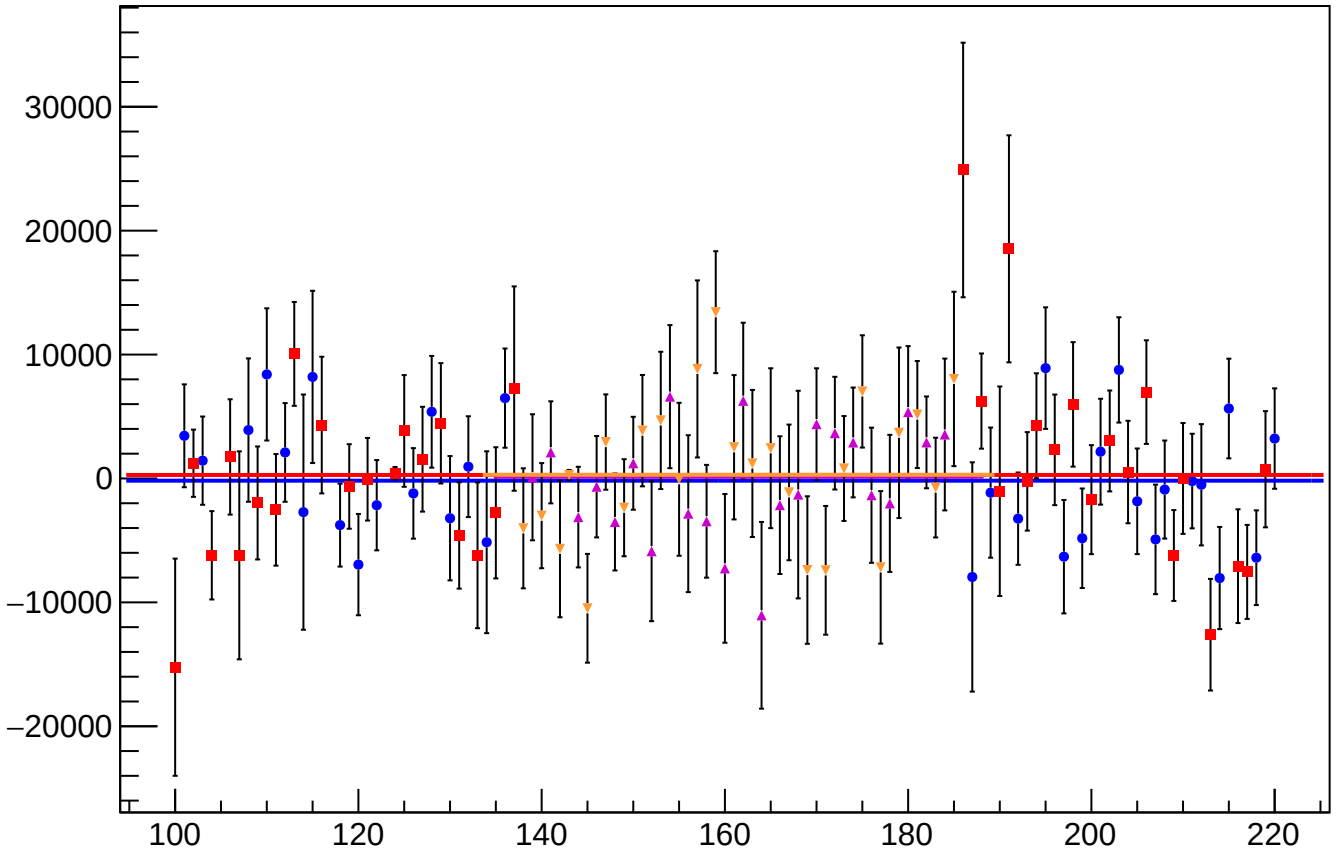
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1766.097+/-0.193 χ^2/NDF: 1320467.6/69

In: 1796.487+/-0.203 χ^2/NDF:784225.3/55

Out: 1807.524+/-0.202 χ^2/NDF:1001761.7/61

All: 1802.052+/-0.143 χ^2/NDF: 1787471.4/11



Right In: -178.328+/-758.516 χ^2/NDF: 38.5/32

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 282.548+/-421.635 χ^2/NDF: 54.9/36

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

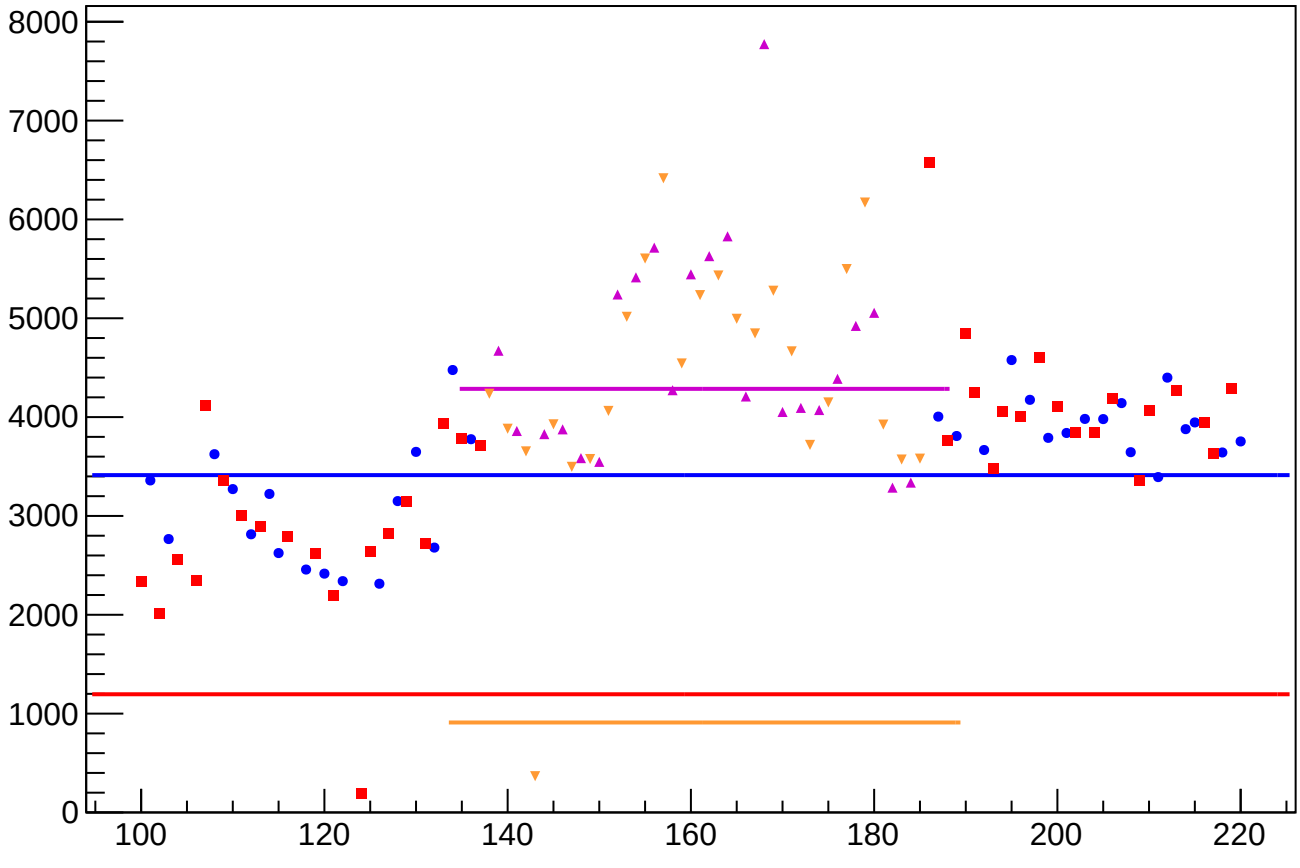
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 173.758+/-368.527 χ^2/NDF: 93.7/69

In: -66.008+/-609.288 χ^2/NDF:52.4/55

Out: 289.590+/-282.256 χ^2/NDF:85.0/61

All: 226.760+/-256.109 χ^2/NDF: 137.7/117



Right In: 3413.032+/-0.536 χ^2/NDF: 1442706.7/32

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

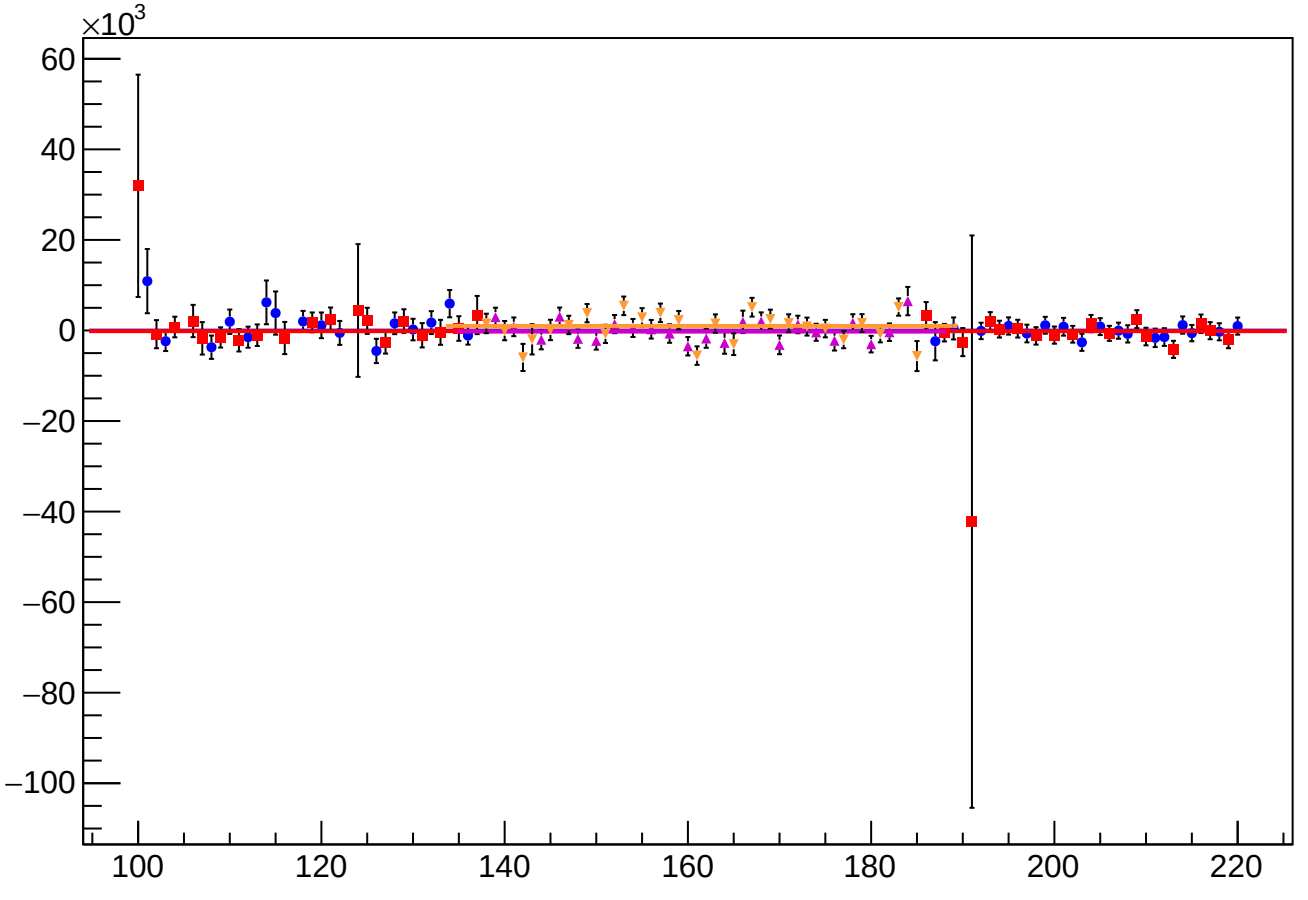
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1719.212+/-0.261 χ^2/NDF: 40834008.0/69

In: 3722.672+/-0.431 χ^2/NDF:3710112.5/55

Out: 1038.235+/-0.200 χ^2/NDF:53615809.0/61

All: 1512.541+/-0.181 χ^2/NDF: 89289530.7/1



Right In: -39.741+/-387.280 χ^2/NDF: 23.3/32

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -150.930+/-387.153 χ^2/NDF: 22.5/36

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

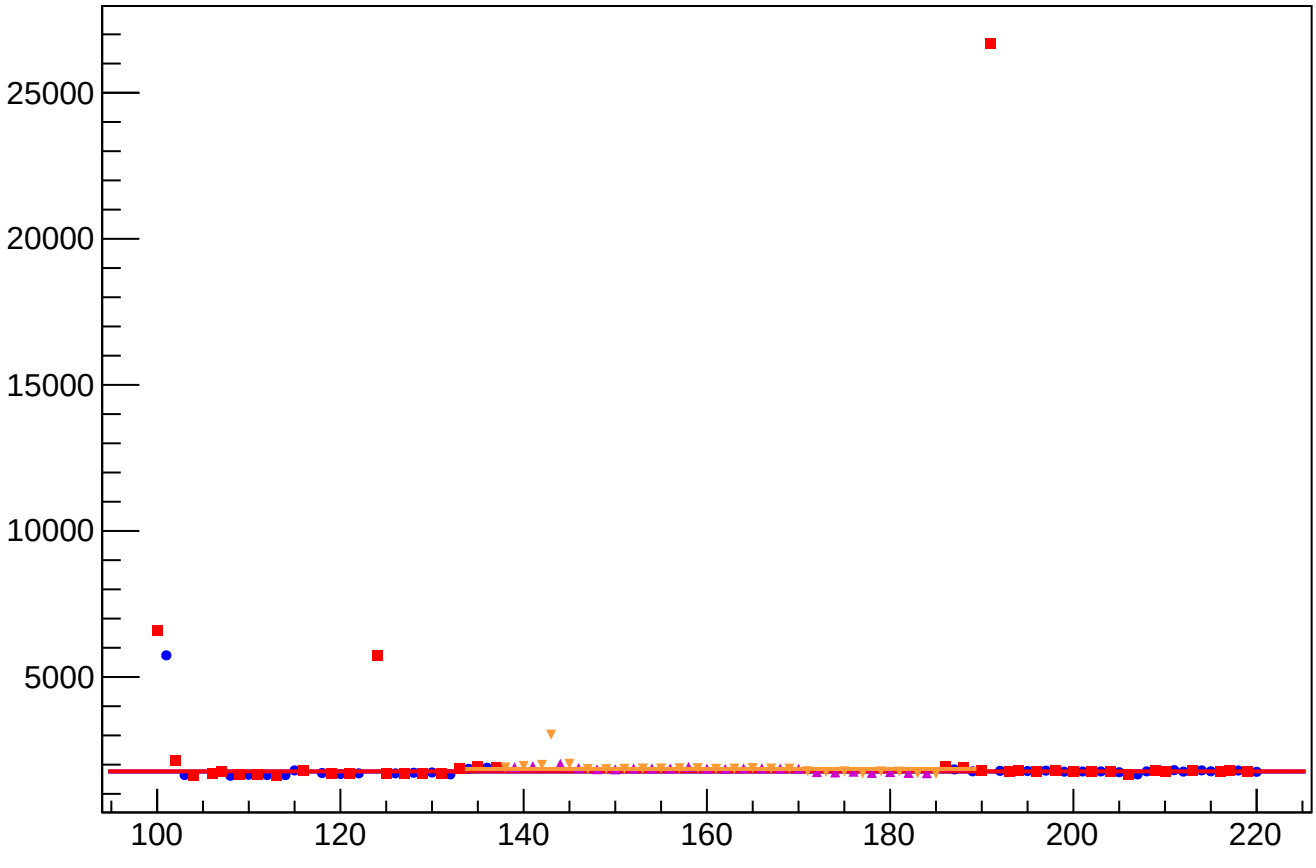
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -95.354+/-273.803 χ^2/NDF: 45.8/69

In: -124.676+/-287.680 χ^2/NDF:49.7/55

Out: 376.154+/-285.463 χ^2/NDF:73.9/61

All: 127.676+/-202.632 χ^2/NDF: 125.2/117



Right In: 1762.337+/-0.274 χ^2/NDF: 681051.4/32

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

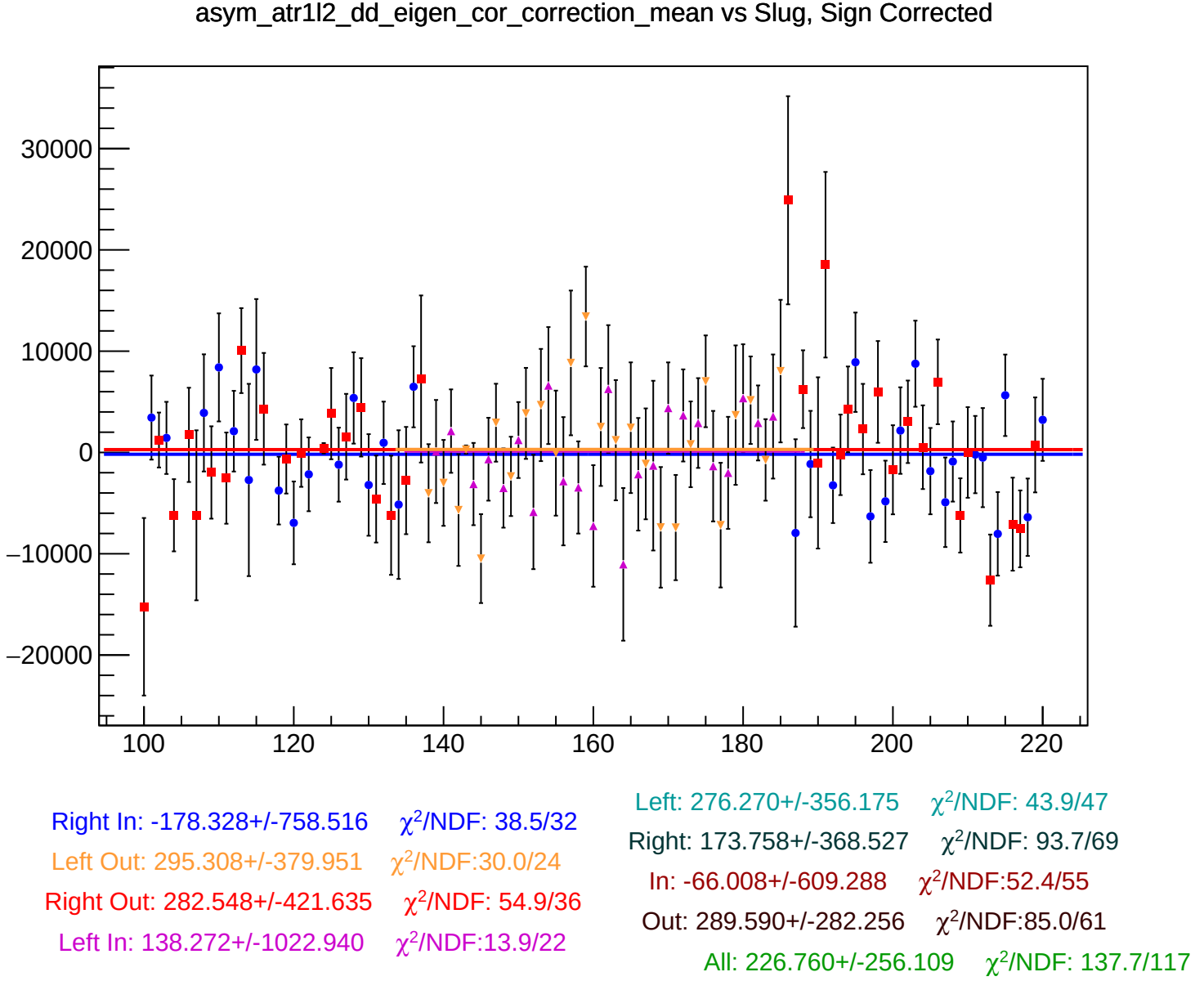
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1766.097+/-0.193 χ^2/NDF: 1320467.6/69

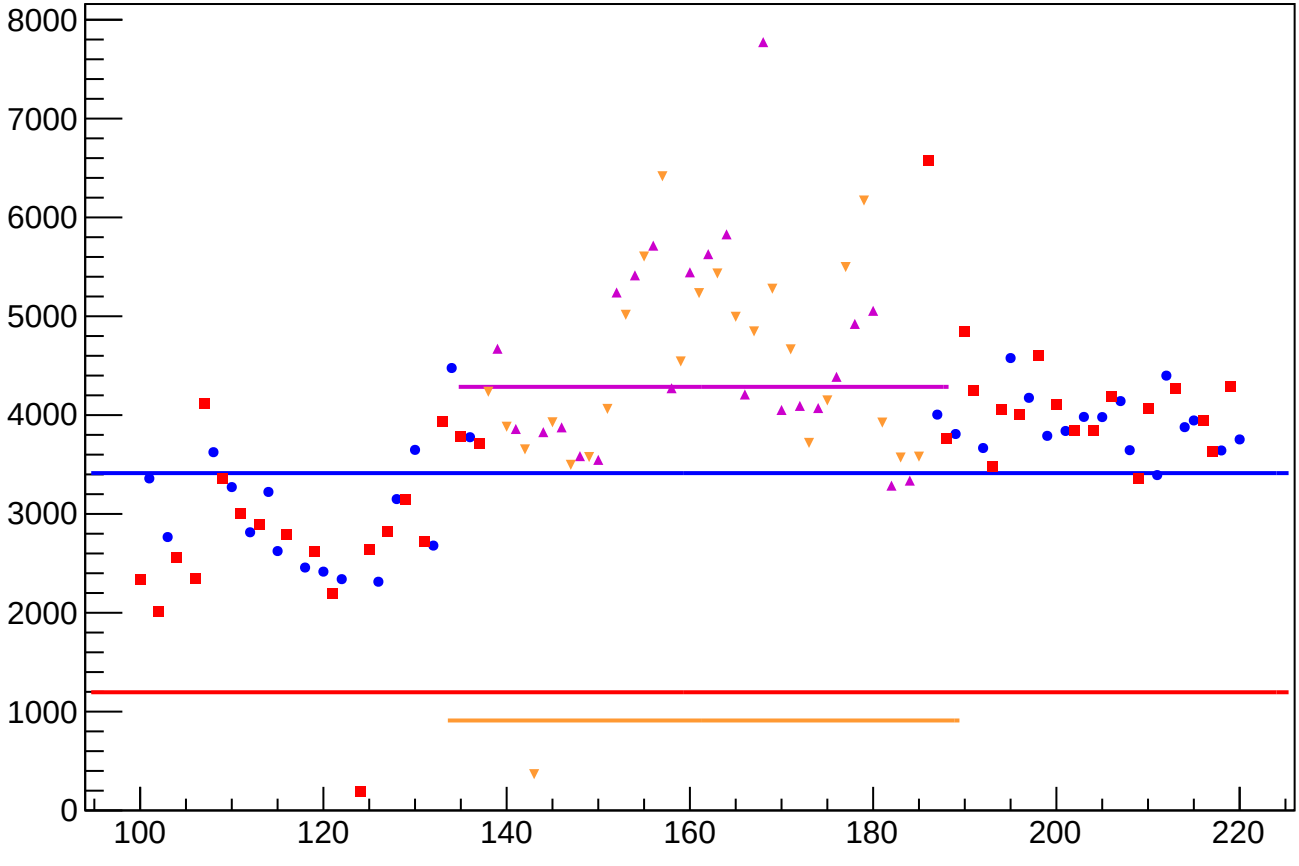
In: 1796.487+/-0.203 χ^2/NDF:784225.3/55

Out: 1807.524+/-0.202 χ^2/NDF:1001761.7/61

All: 1802.052+/-0.143 χ^2/NDF: 1787471.4/11


asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -178.328+/-758.516 χ²/NDF: 38.5/32
Left Out: 295.308+/-379.951 χ²/NDF:30.0/24
Right Out: 282.548+/-421.635 χ²/NDF: 54.9/36
Left In: 138.272+/-1022.940 χ²/NDF:13.9/22
Left: 276.270+/-356.175 χ²/NDF: 43.9/47
Right: 173.758+/-368.527 χ²/NDF: 93.7/69
In: -66.008+/-609.288 χ²/NDF:52.4/55
Out: 289.590+/-282.256 χ²/NDF:85.0/61
All: 226.760+/-256.109 χ²/NDF: 137.7/117

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3413.032+/-0.536 χ^2/NDF: 1442706.7/32

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

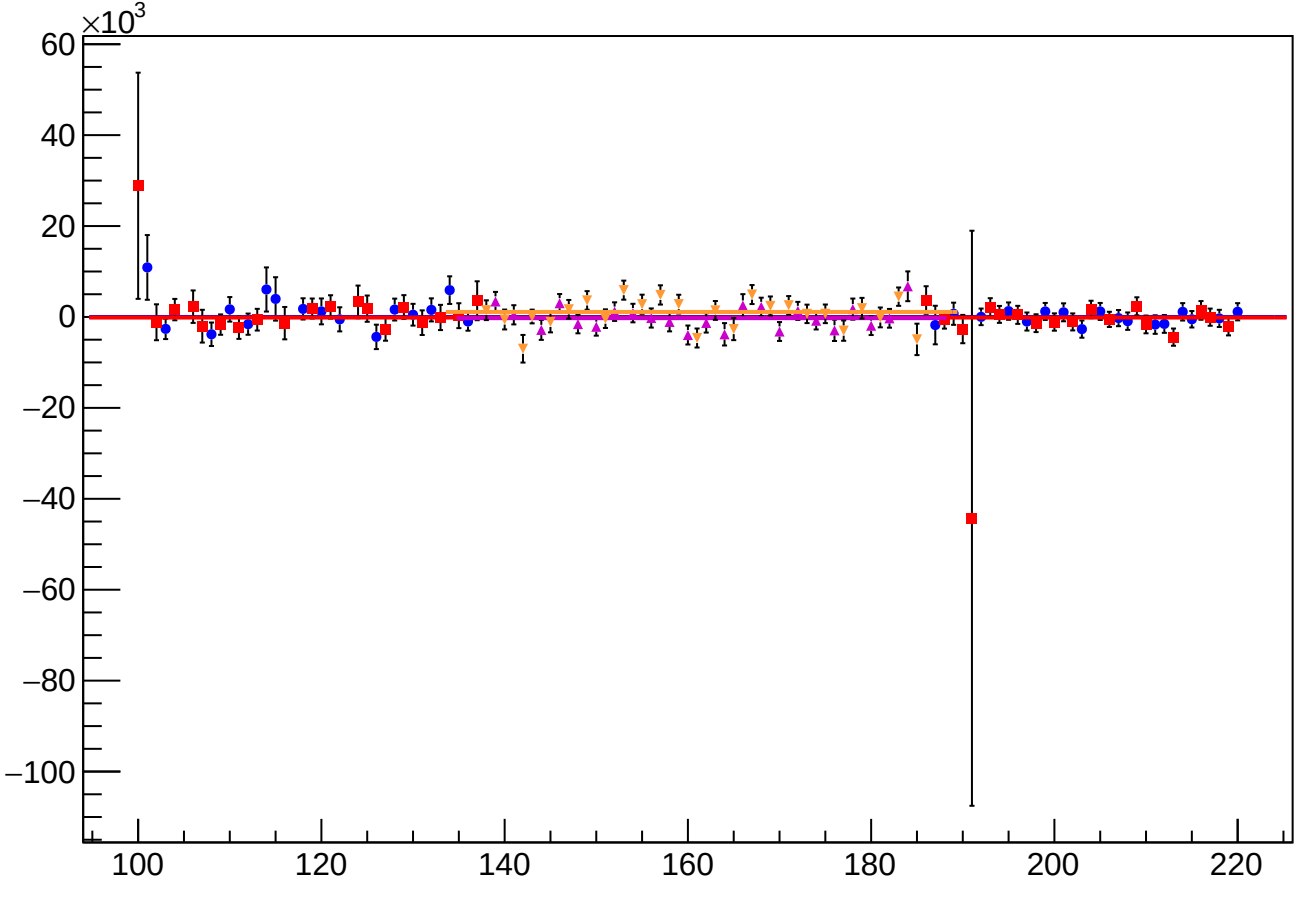
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1719.212+/-0.261 χ^2/NDF: 40834008.0/69

In: 3722.672+/-0.431 χ^2/NDF:3710112.5/55

Out: 1038.235+/-0.200 χ^2/NDF:53615809.0/61

All: 1512.541+/-0.181 χ^2/NDF: 89289530.7/1



Right In: -16.754+/-389.269 χ^2/NDF: 23.7/32

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -123.105+/-388.217 χ^2/NDF: 25.1/36

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

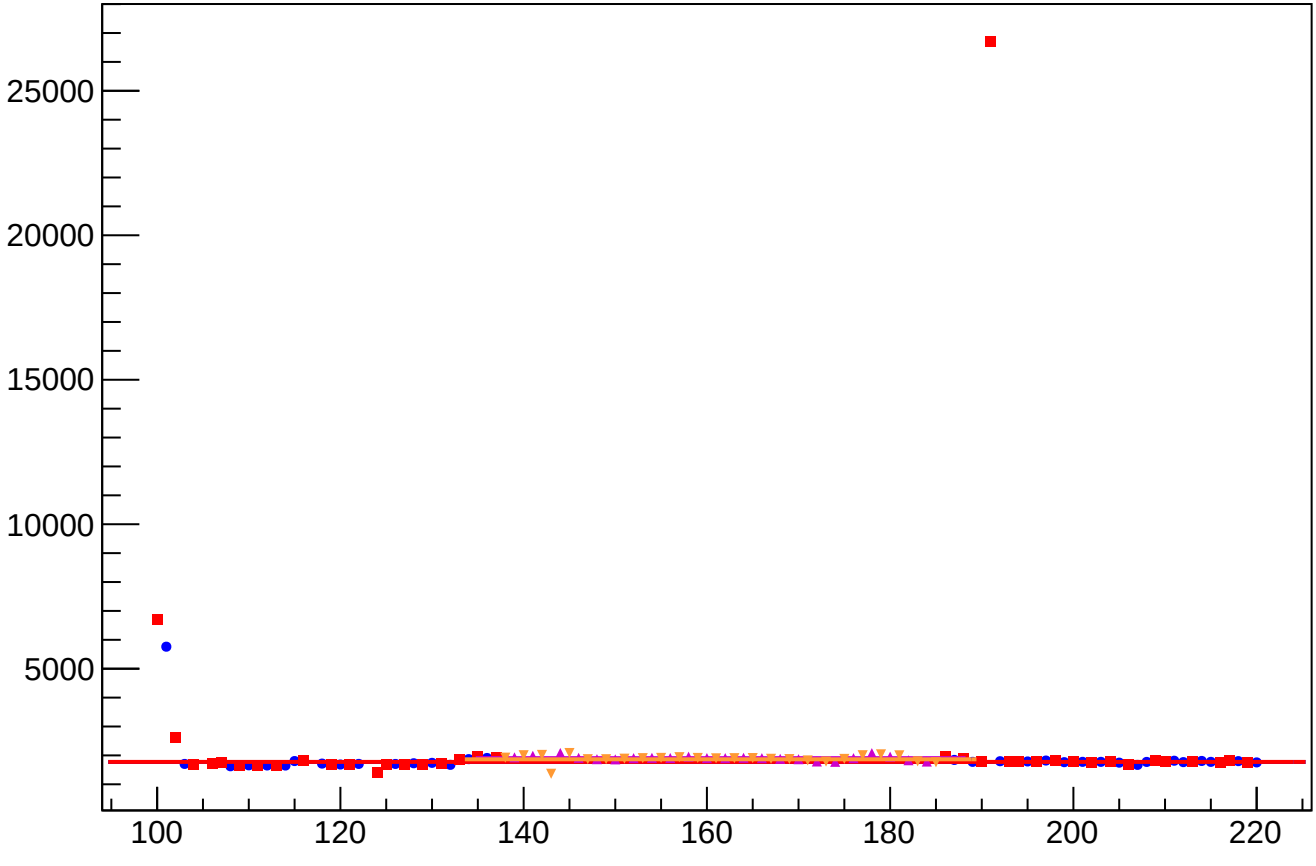
Right: -70.073+/-274.882 χ^2/NDF: 48.9/69

In: -124.101+/-293.090 χ^2/NDF:51.6/55

Out: 434.284+/-286.732 χ^2/NDF:74.4/61

All: 161.213+/-204.961 χ^2/NDF: 127.9/117

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1771.396+/-0.275 χ^2/NDF: 679531.8/32

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

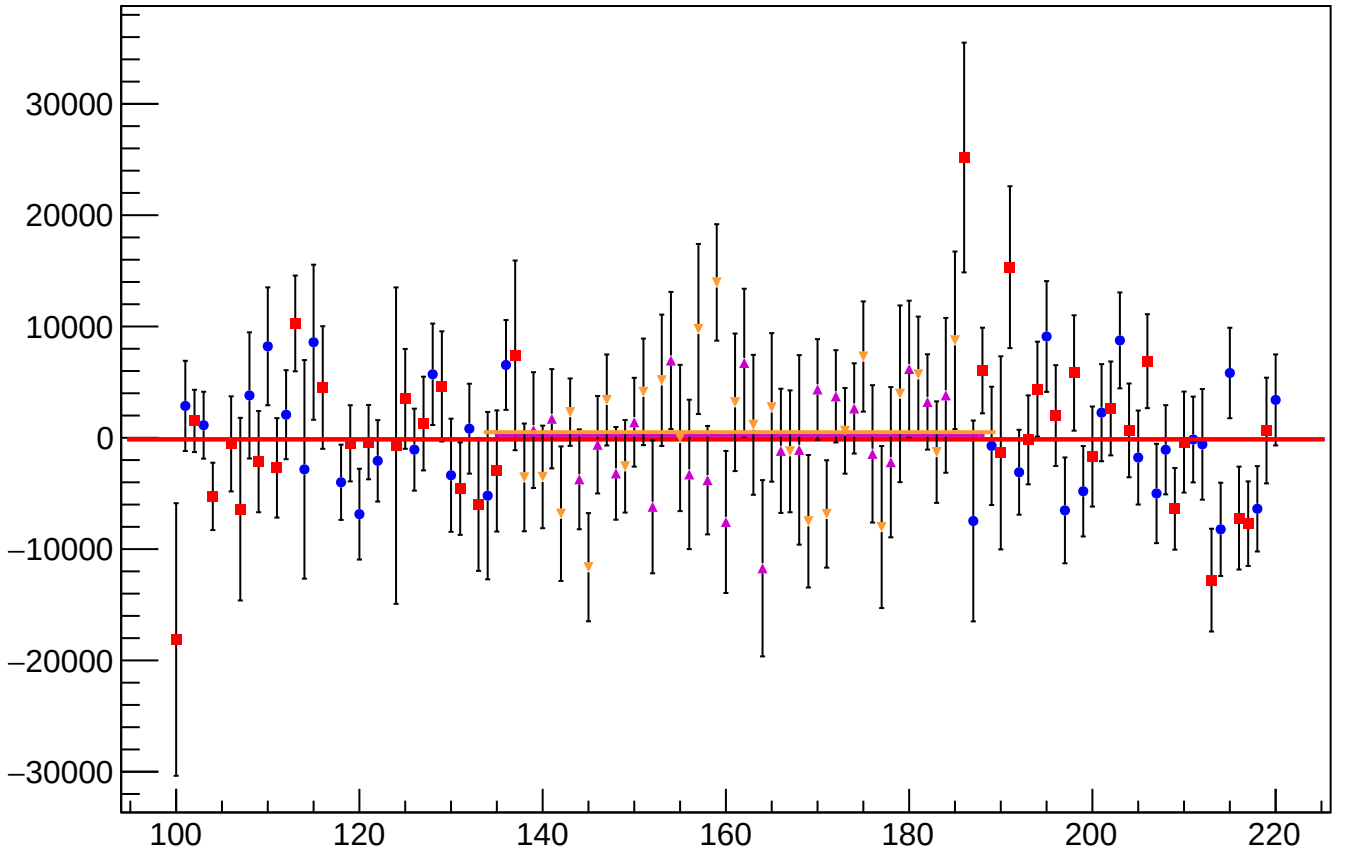
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1773.061+/-0.194 χ^2/NDF: 1250379.7/69

In: 1829.532+/-0.207 χ^2/NDF:835312.7/55

Out: 1815.629+/-0.203 χ^2/NDF:914523.7/61

All: 1822.425+/-0.145 χ^2/NDF: 1752137.1/11



Right In: -144.208+/-757.062 χ^2/NDF: 38.4/32

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -124.277+/-741.208 χ^2/NDF: 53.8/36

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

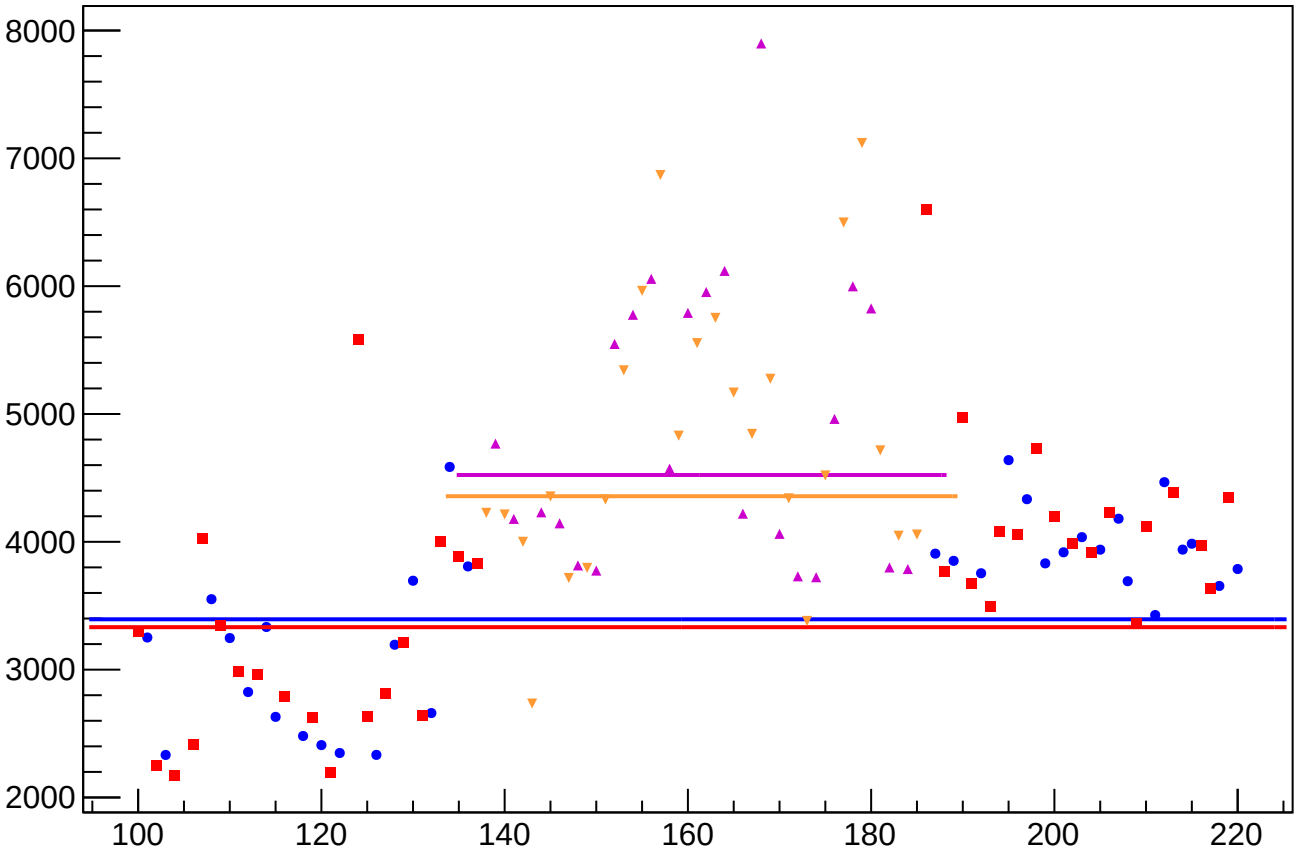
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: -134.032+/-529.630 χ^2/NDF: 92.2/69

In: -10.916+/-620.188 χ^2/NDF:52.1/55

Out: 92.461+/-599.954 χ^2/NDF:84.1/61

All: 42.486+/-431.207 χ^2/NDF: 136.2/117



Right In: 3394.022+/-0.535 χ^2/NDF: 1701767.2/32

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3332.226+/-0.524 χ^2/NDF: 2424628.2/36

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

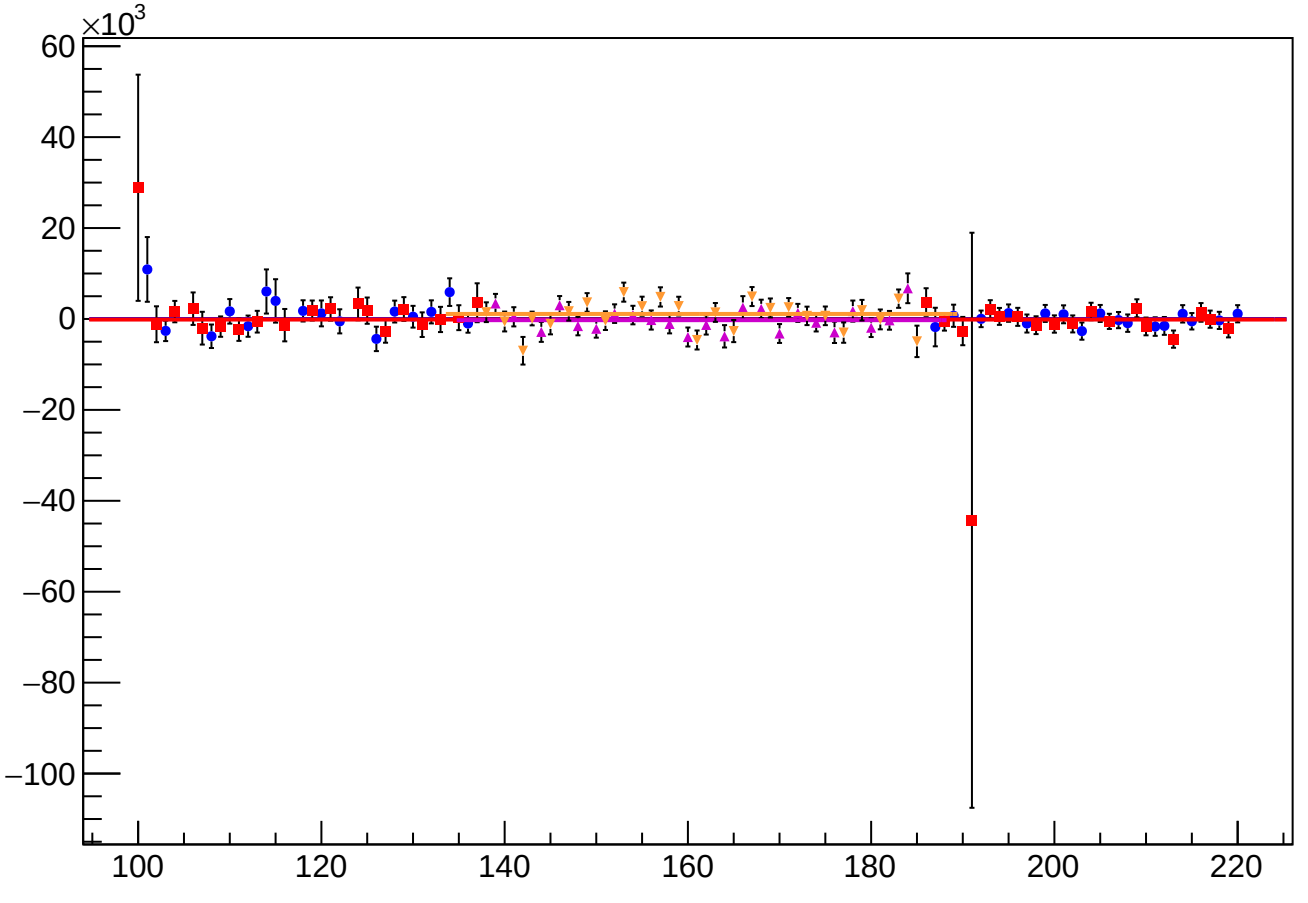
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3362.470+/-0.375 χ^2/NDF: 4133199.1/69

In: 3765.279+/-0.439 χ^2/NDF:4598109.5/55

Out: 3685.474+/-0.424 χ^2/NDF:5654315.7/61

All: 3724.054+/-0.305 χ^2/NDF: 10269532.7/1



Right In: -16.755+/-389.269 χ^2/NDF: 23.7/32

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -123.104+/-388.217 χ^2/NDF: 25.1/36

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

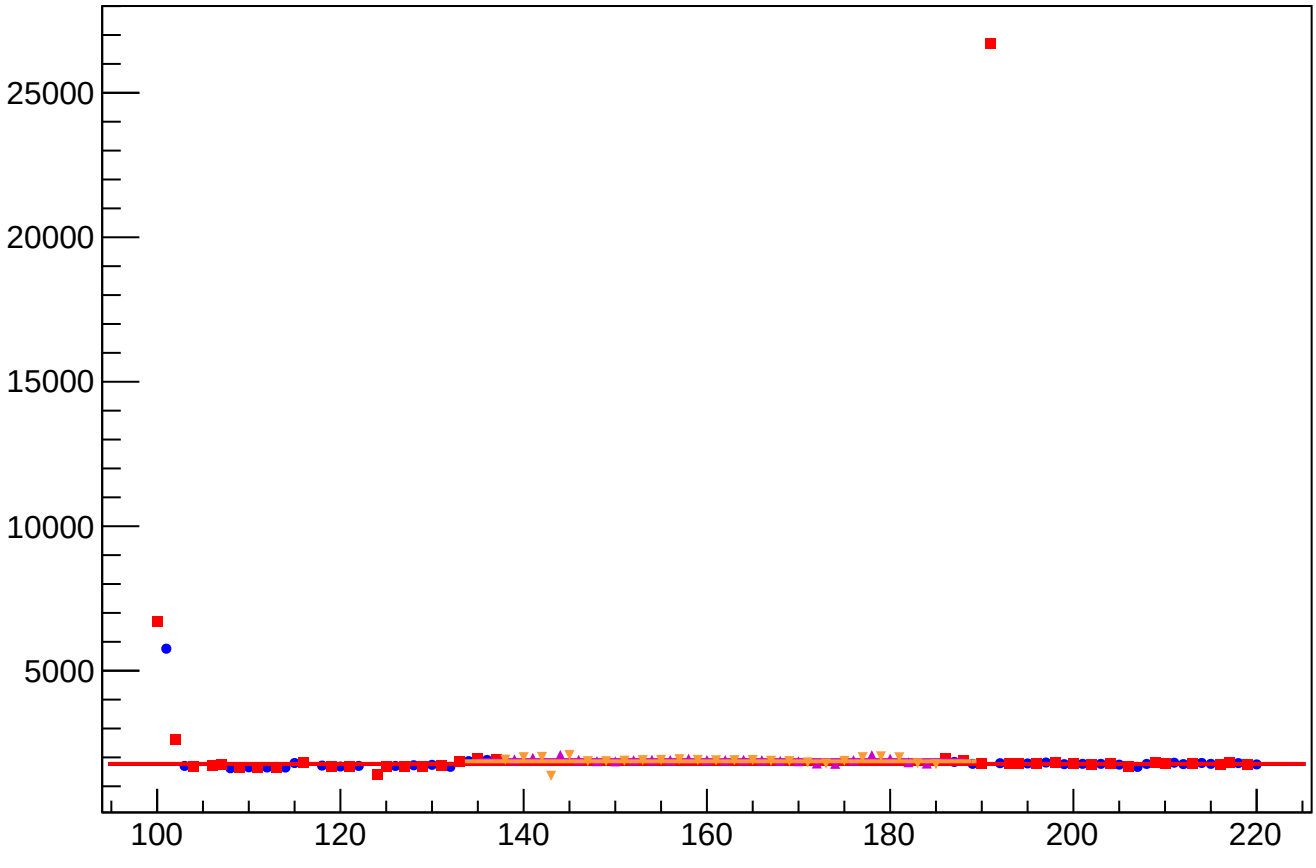
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -70.074+/-274.882 χ^2/NDF: 48.9/69

In: -124.102+/-293.090 χ^2/NDF:51.6/55

Out: 434.284+/-286.732 χ^2/NDF:74.4/61

All: 161.213+/-204.961 χ^2/NDF: 127.9/117



Right In: 1771.396+/-0.275 χ^2/NDF: 679531.8/32

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

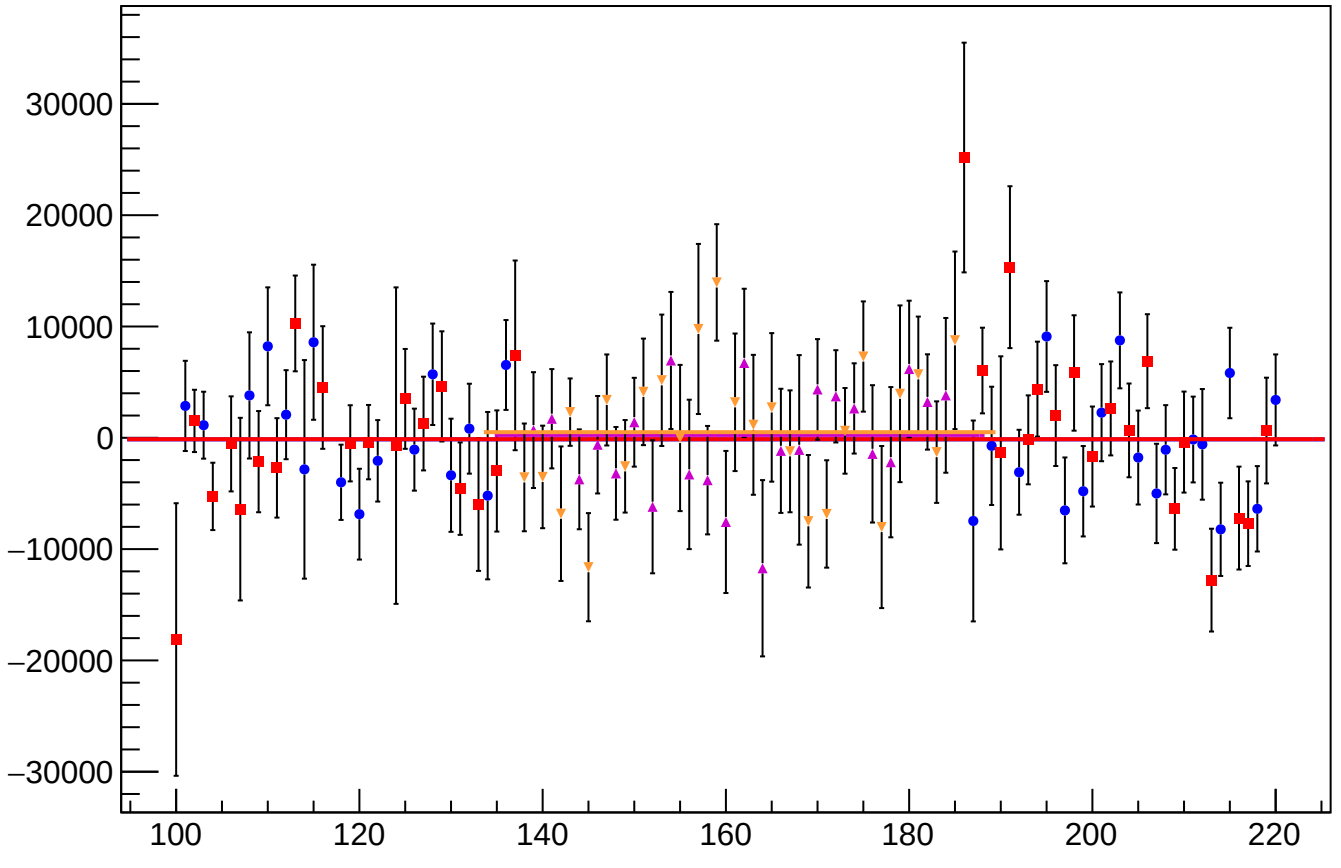
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1773.061+/-0.194 χ^2/NDF: 1250379.7/69

In: 1829.533+/-0.207 χ^2/NDF:835316.4/55

Out: 1815.630+/-0.203 χ^2/NDF:914528.0/61

All: 1822.425+/-0.145 χ^2/NDF: 1752145.1/11



Right In: -144.209+/-757.062 χ^2/NDF: 38.4/32

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -124.281+/-741.208 χ^2/NDF: 53.8/36

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

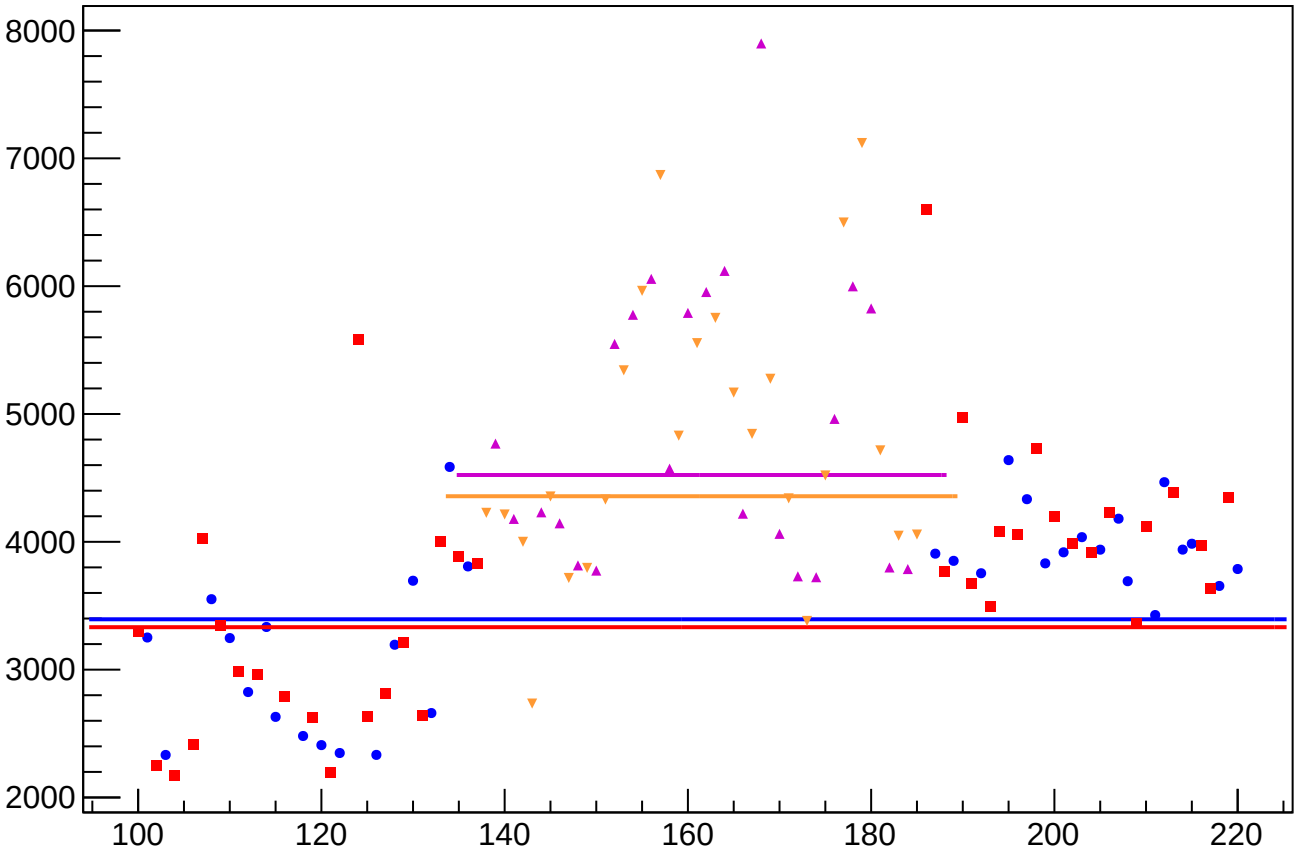
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: -134.034+/-529.630 χ^2/NDF: 92.2/69

In: -10.917+/-620.188 χ^2/NDF:52.1/55

Out: 92.459+/-599.954 χ^2/NDF:84.1/61

All: 42.485+/-431.207 χ^2/NDF: 136.2/117



Right In: 3394.020+/-0.535 χ^2/NDF: 1701802.8/32

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3332.223+/-0.524 χ^2/NDF: 2424650.1/36

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

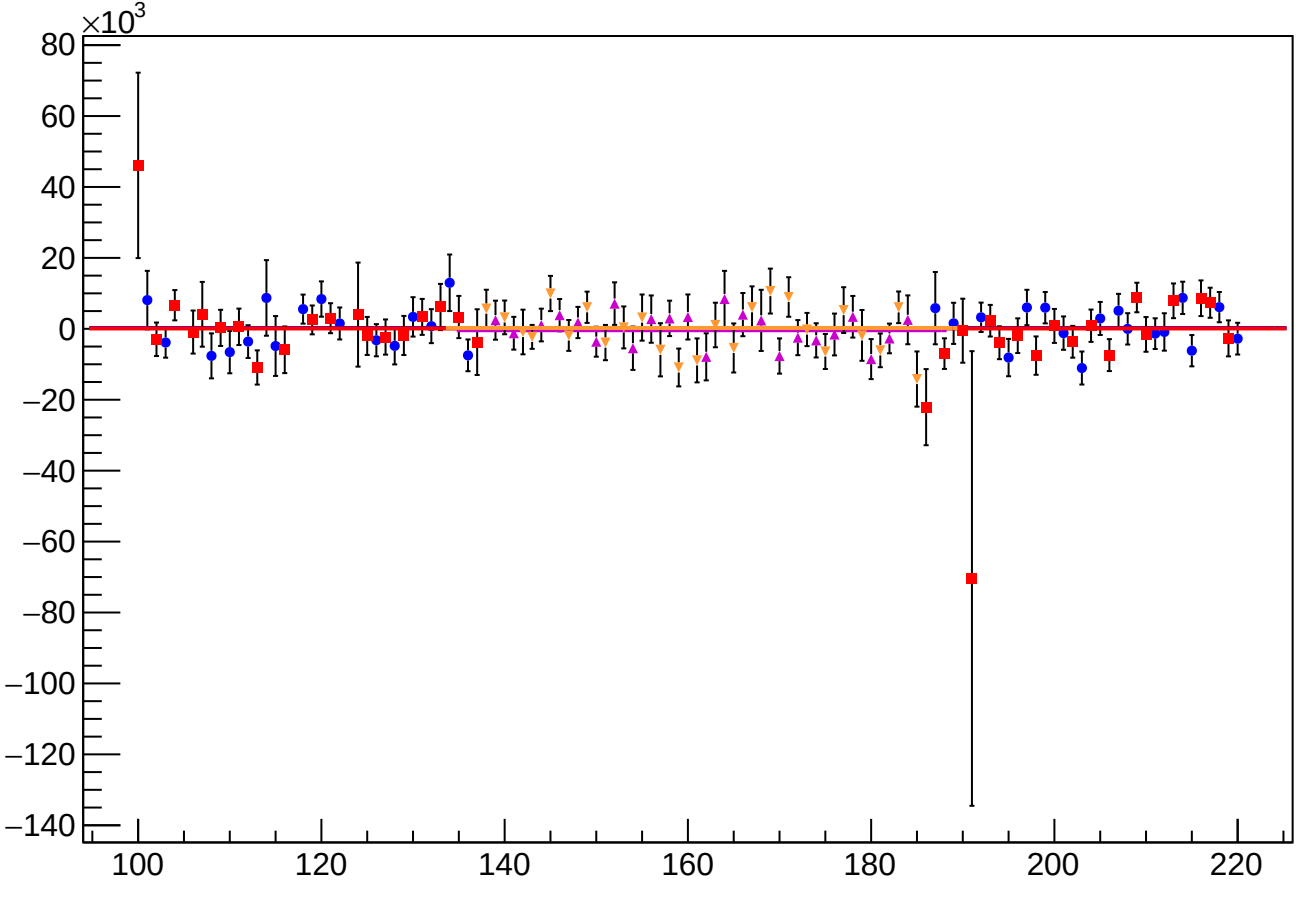
Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

Right: 3362.468+/-0.375 χ^2/NDF: 4133256.8/69

In: 3765.280+/-0.439 χ^2/NDF:4598168.0/55

Out: 3685.473+/-0.424 χ^2/NDF:5654364.7/61

All: 3724.054+/-0.305 χ^2/NDF: 10269640.6/1



Right In: 221.285+/-870.835 χ^2/NDF: 40.0/32

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 103.468+/-867.791 χ^2/NDF: 43.3/36

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

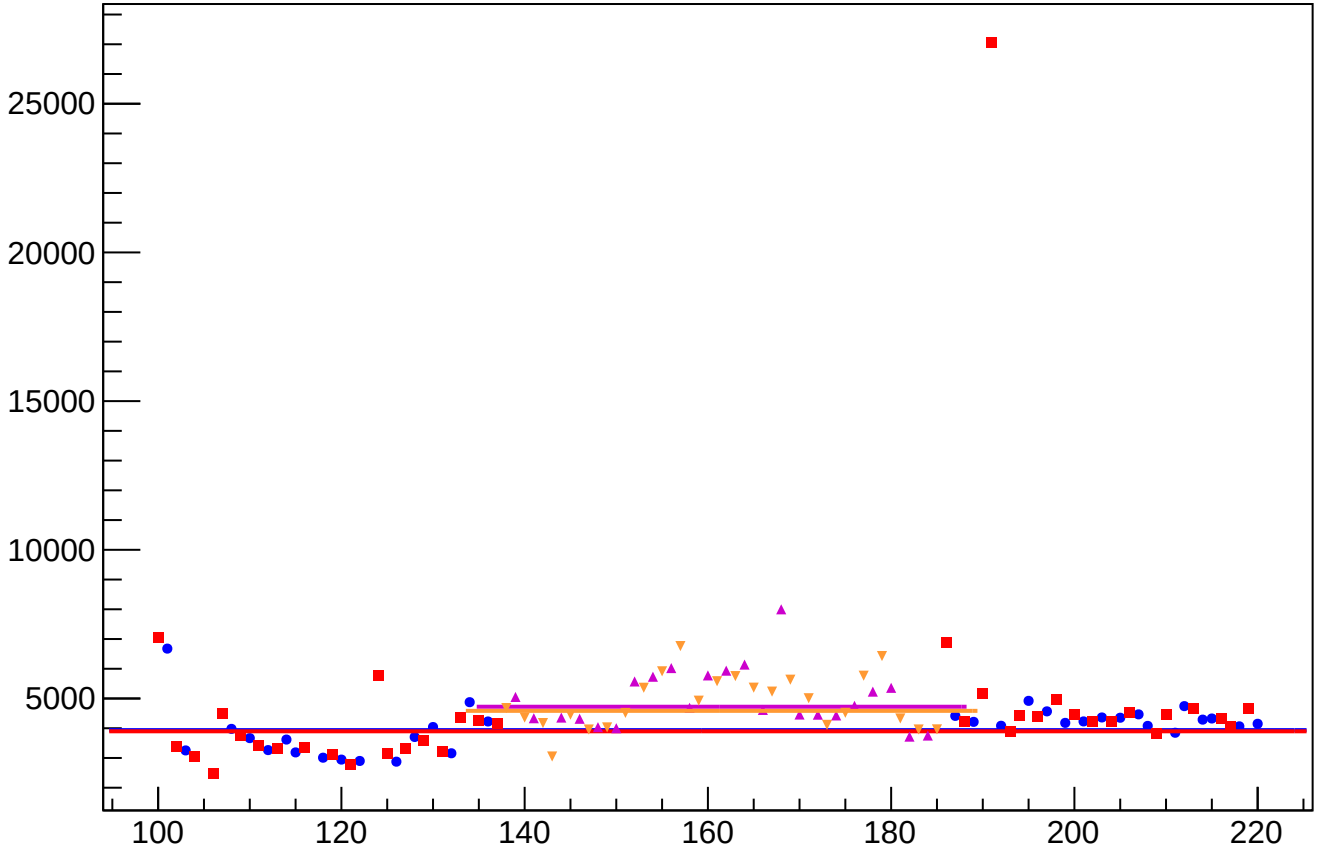
Right: 162.170+/-614.694 χ^2/NDF: 83.4/69

In: -11.658+/-687.783 χ^2/NDF:54.4/55

Out: 157.940+/-672.649 χ^2/NDF:75.5/61

All: 75.028+/-480.896 χ^2/NDF: 130.0/117

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3936.979+/-0.616 χ^2/NDF: 1094242.3/32

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3896.966+/-0.610 χ^2/NDF: 1571636.1/36

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

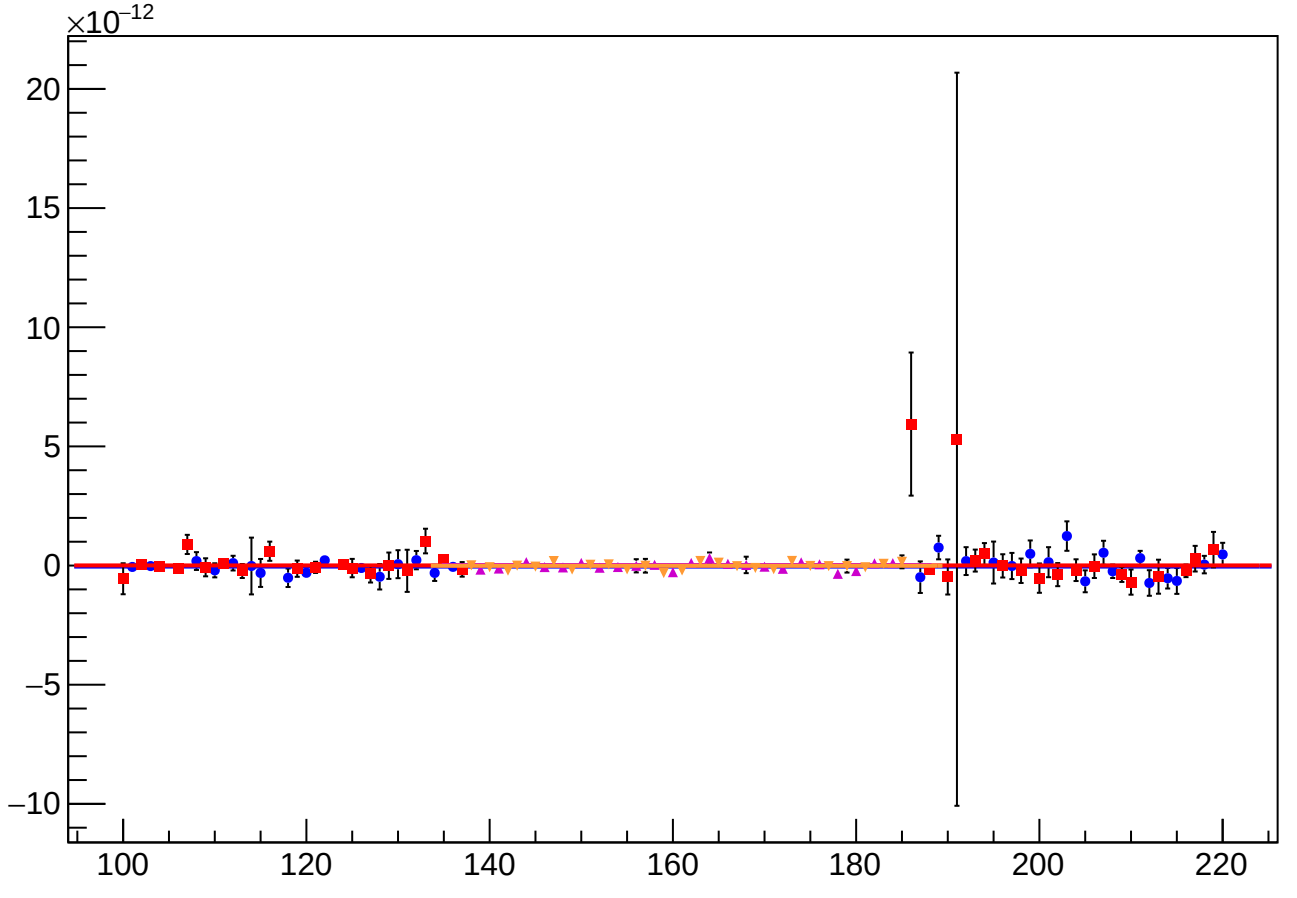
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3916.772+/-0.433 χ^2/NDF: 2668010.8/69

In: 4232.701+/-0.486 χ^2/NDF:2723889.2/55

Out: 4169.323+/-0.474 χ^2/NDF:3387345.7/61

All: 4200.182+/-0.339 χ^2/NDF: 6119948.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/36

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

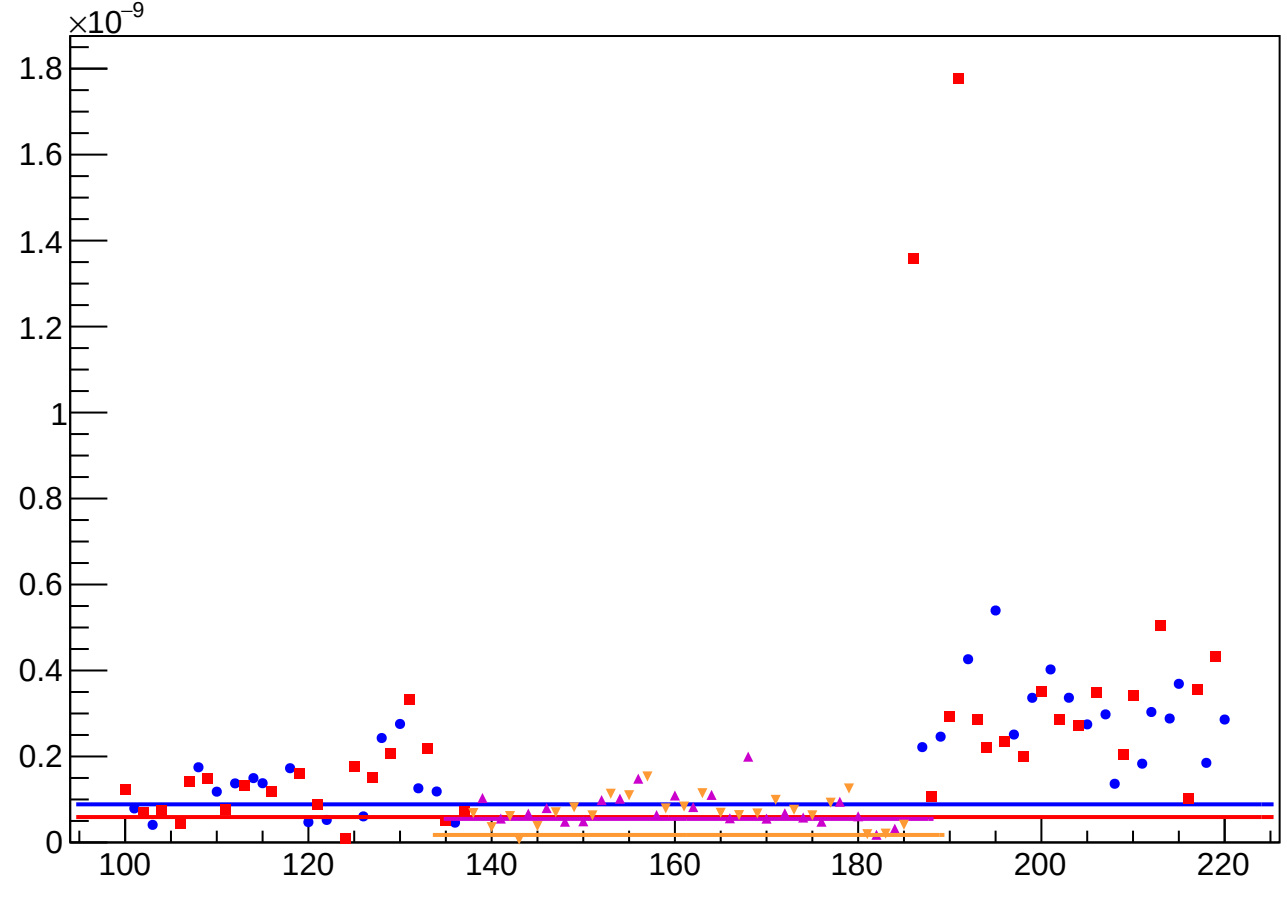
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 60.6/69

In: 0.000+/-0.000 χ^2/NDF:55.1/55

Out: -0.000+/-0.000 χ^2/NDF:55.2/61

All: -0.000+/-0.000 χ^2/NDF: 110.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 7620546.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10536055.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

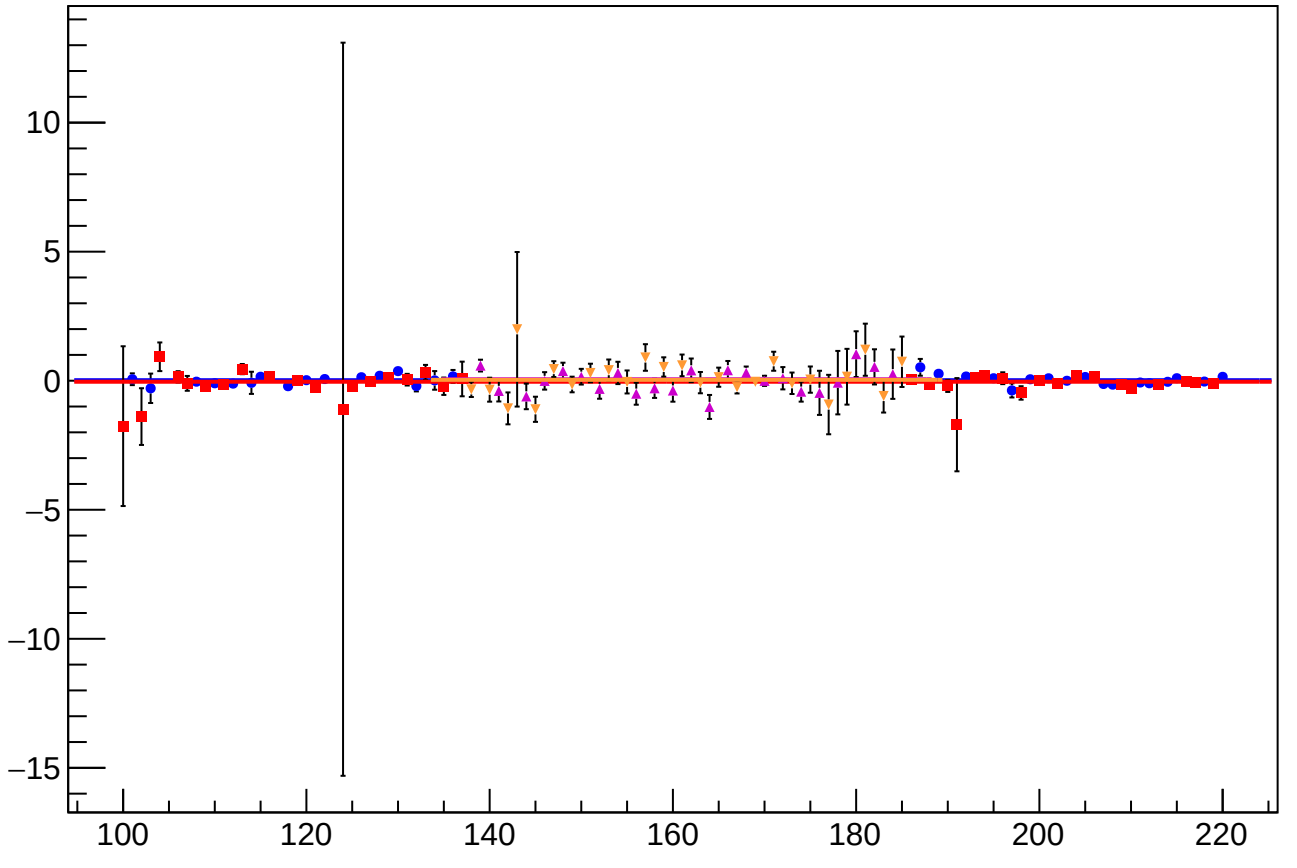
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 18769370.6/69

In: 0.000+/-0.000 χ^2/NDF:11424292.6/55

Out: 0.000+/-0.000 χ^2/NDF:22137643.3/61

All: 0.000+/-0.000 χ^2/NDF: 39920754.0/117



Right In: 0.020+/-0.027 χ^2/NDF: 28.1/32

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

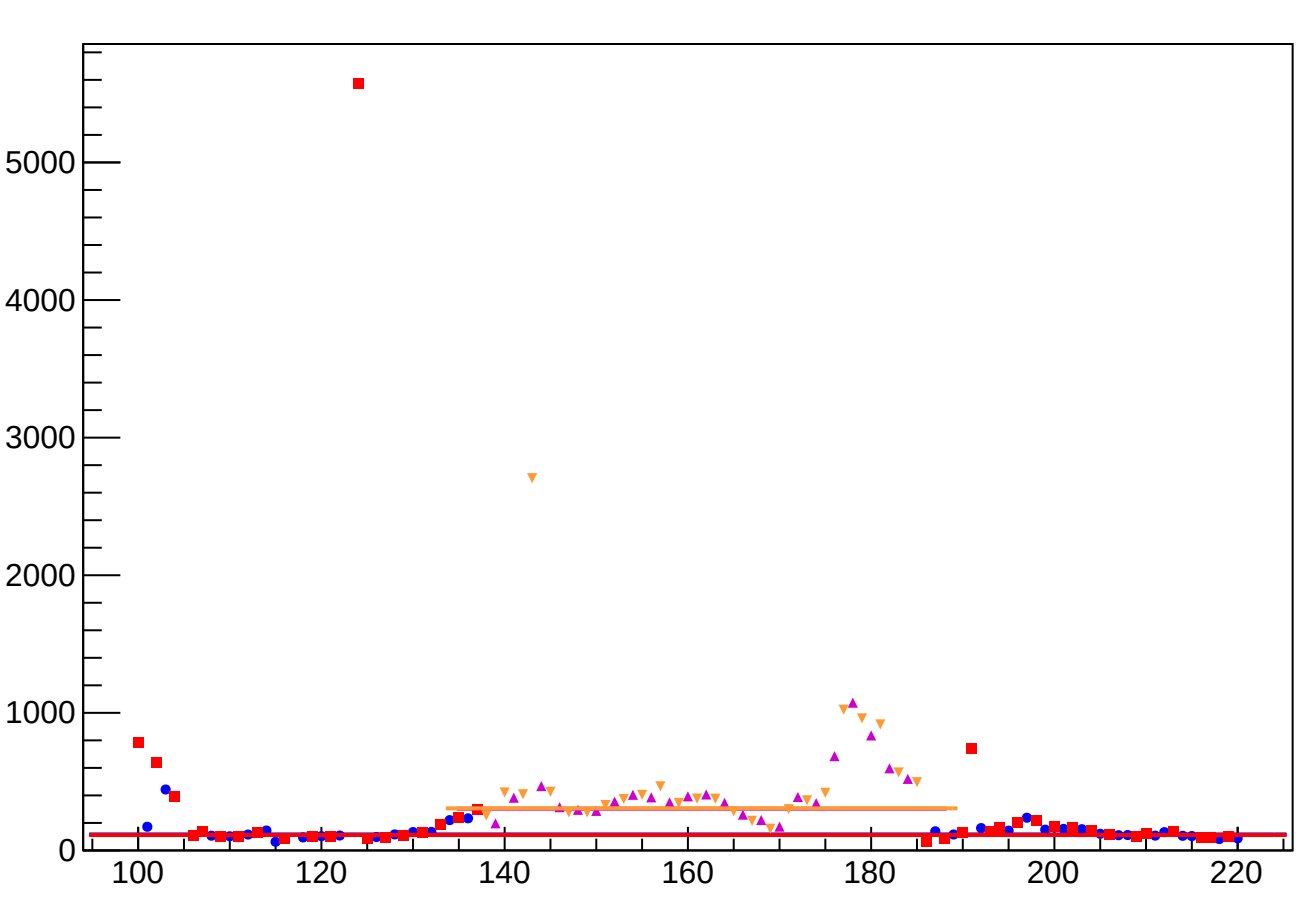
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.010+/-0.019 χ^2/NDF: 72.3/69

In: 0.024+/-0.026 χ^2/NDF:54.3/55

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.004+/-0.018 χ^2/NDF: 129.8/117



Right In: 116.254+/-0.019 χ^2/NDF: 3155970.3/32

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

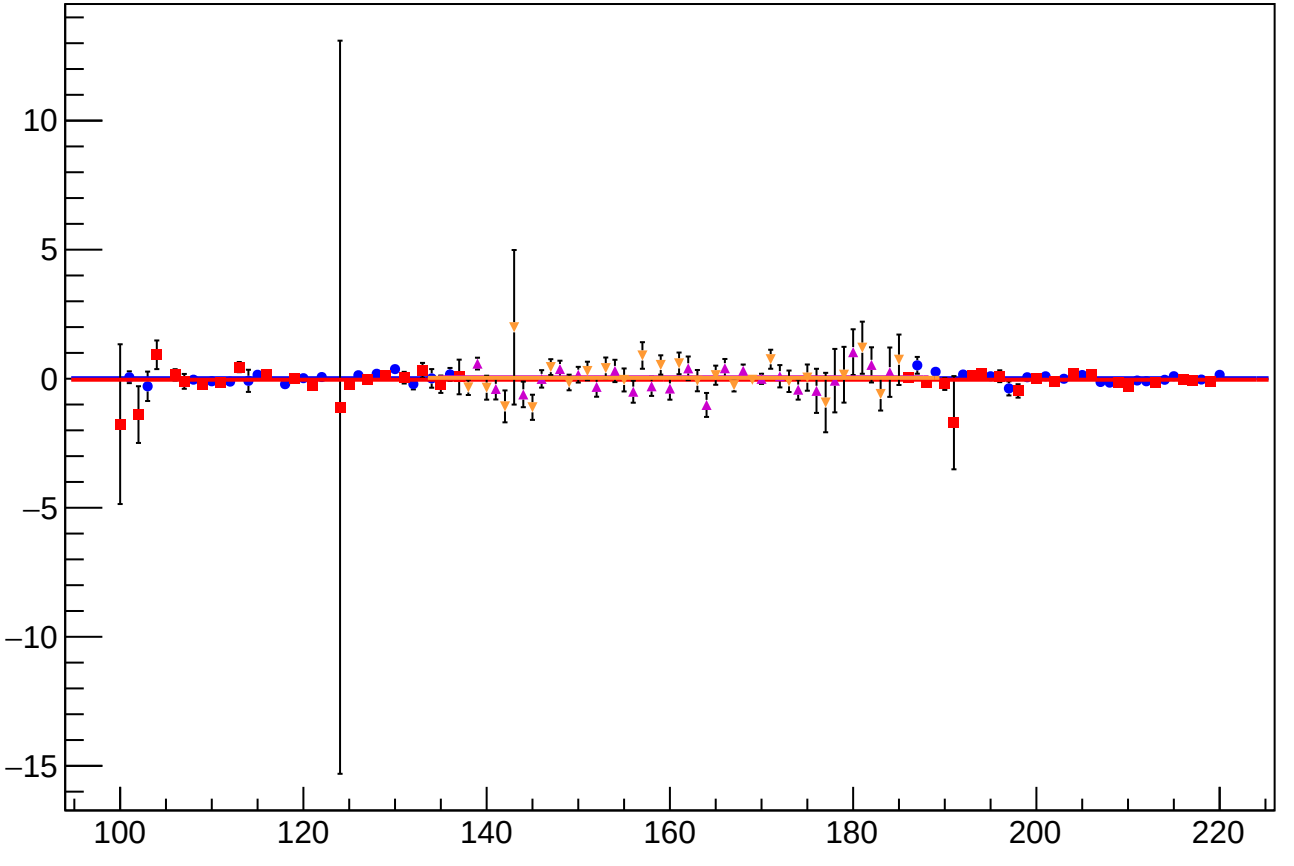
Right: 114.312+/-0.013 χ^2/NDF: 7844366.2/69

In: 136.765+/-0.018 χ^2/NDF:18391368.1/55

Out: 132.902+/-0.018 χ^2/NDF:22330399.1/61

All: 134.815+/-0.013 χ^2/NDF: 40744762.1/11

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.027 χ^2/NDF: 28.1/32

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

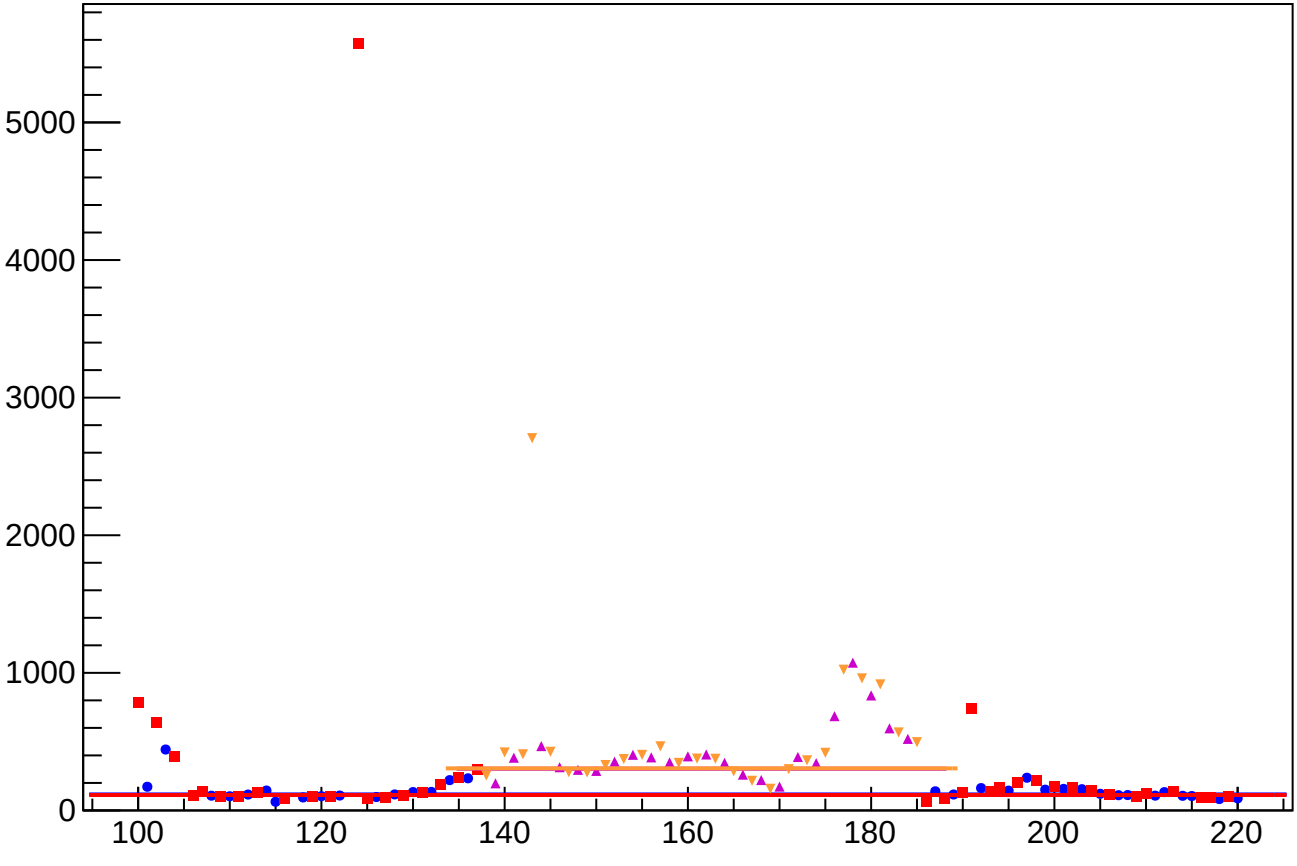
Right: -0.010+/-0.019 χ^2/NDF: 72.3/69

In: 0.024+/-0.026 χ^2/NDF:54.3/55

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.004+/-0.018 χ^2/NDF: 129.8/117

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.254+/-0.019 χ^2/NDF: 3155970.3/32

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

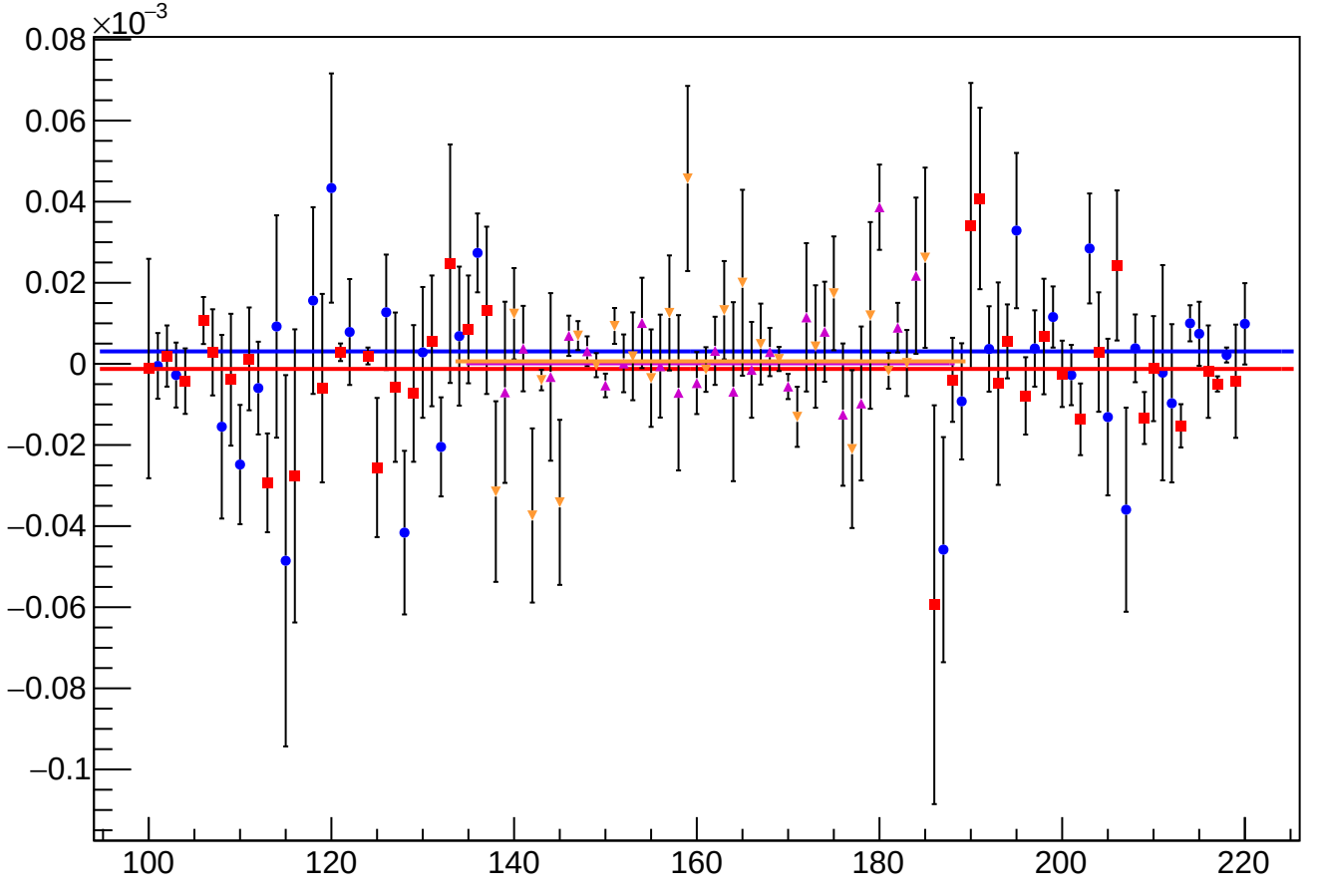
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 114.312+/-0.013 χ^2/NDF: 7844366.2/69

In: 136.765+/-0.018 χ^2/NDF:18391368.1/55

Out: 132.902+/-0.018 χ^2/NDF:22330399.1/61

All: 134.815+/-0.013 χ^2/NDF: 40744762.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 43.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.6/36

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

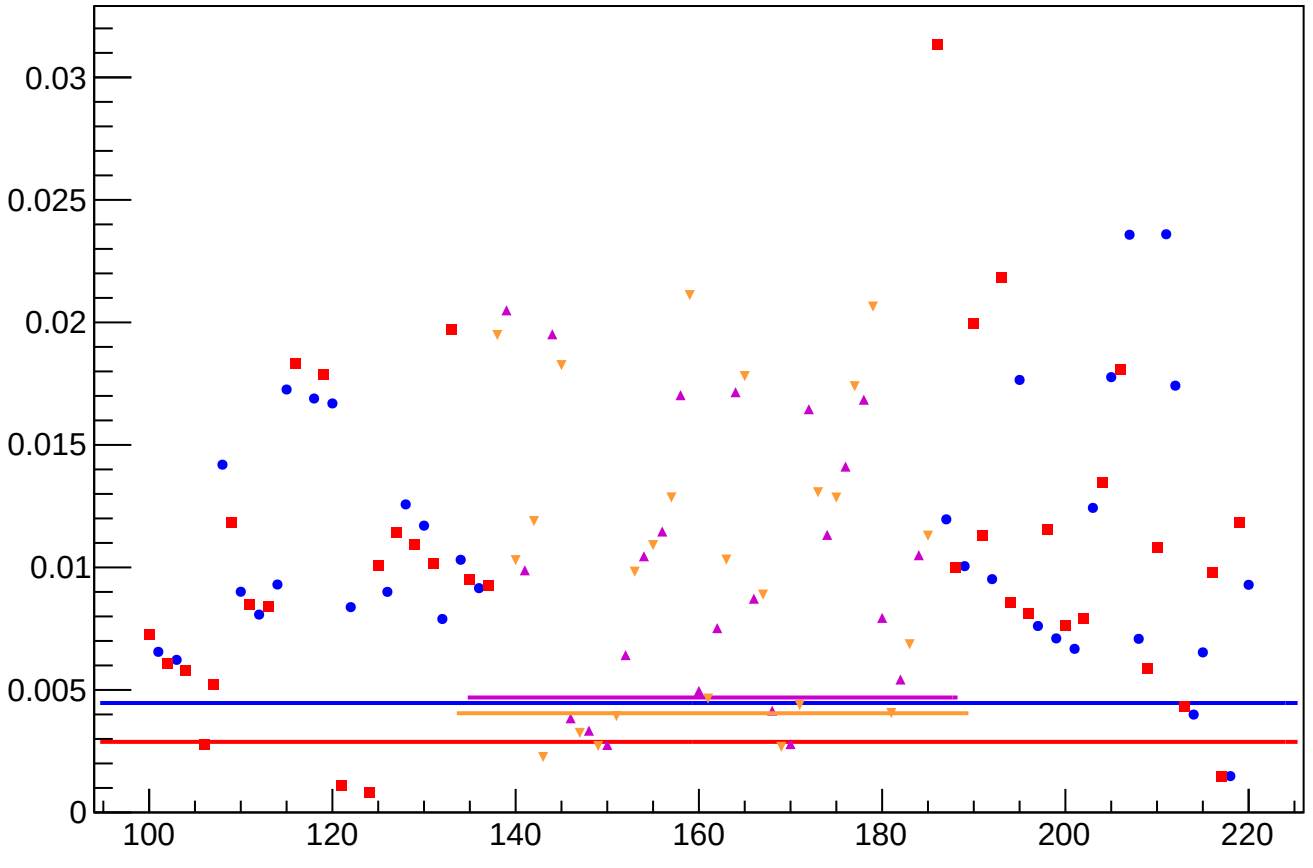
Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

Right: 0.000+/-0.000 χ^2/NDF: 96.6/69

In: 0.000+/-0.000 χ^2/NDF:75.6/55

Out: -0.000+/-0.000 χ^2/NDF:82.6/61

All: 0.000+/-0.000 χ^2/NDF: 161.1/117



Right In: 0.004+/-0.000 χ^2/NDF: 17353578.3/32

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23031709.6/36

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

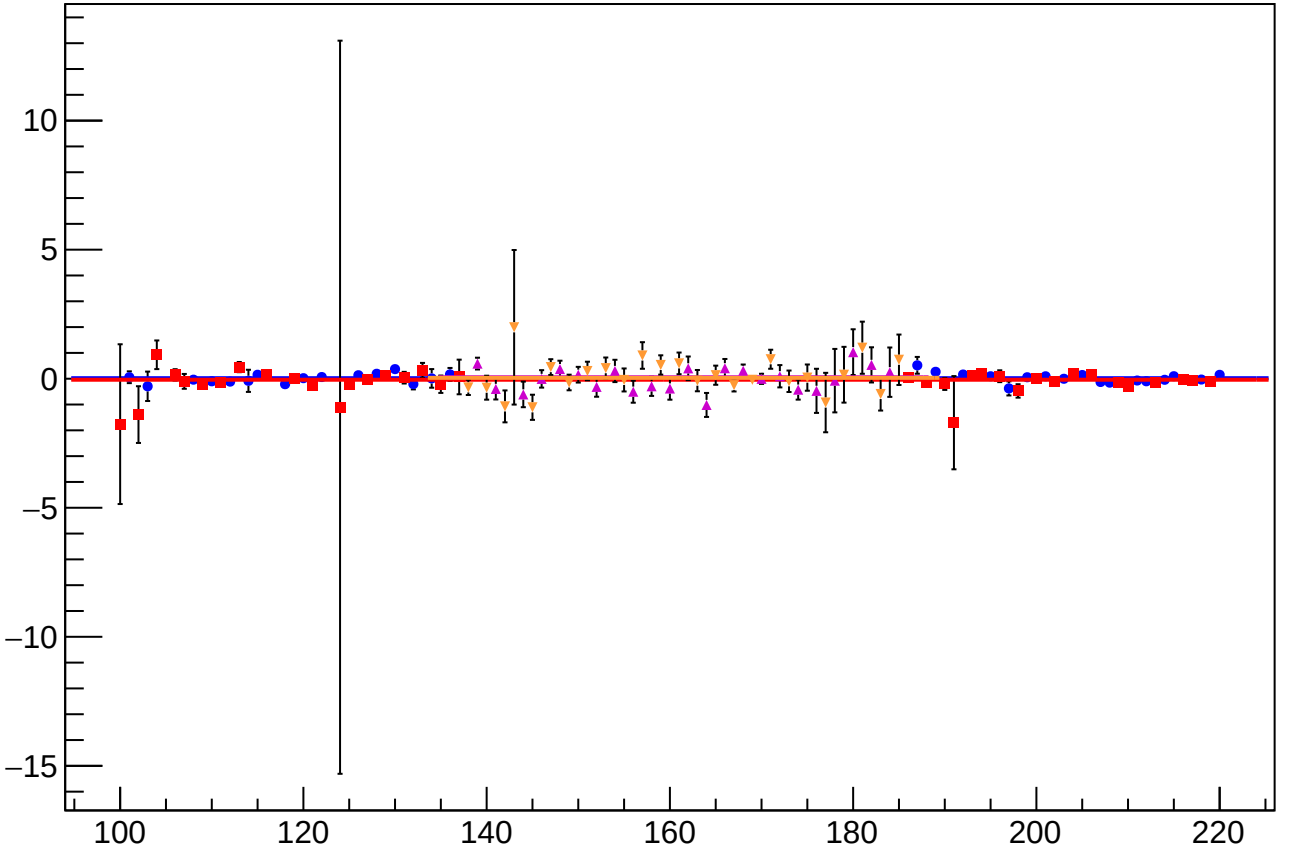
Right: 0.003+/-0.000 χ^2/NDF: 42168410.6/69

In: 0.005+/-0.000 χ^2/NDF:28240001.2/55

Out: 0.003+/-0.000 χ^2/NDF:37710752.9/61

All: 0.004+/-0.000 χ^2/NDF: 67868879.0/117

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.027 χ^2/NDF: 28.1/32

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

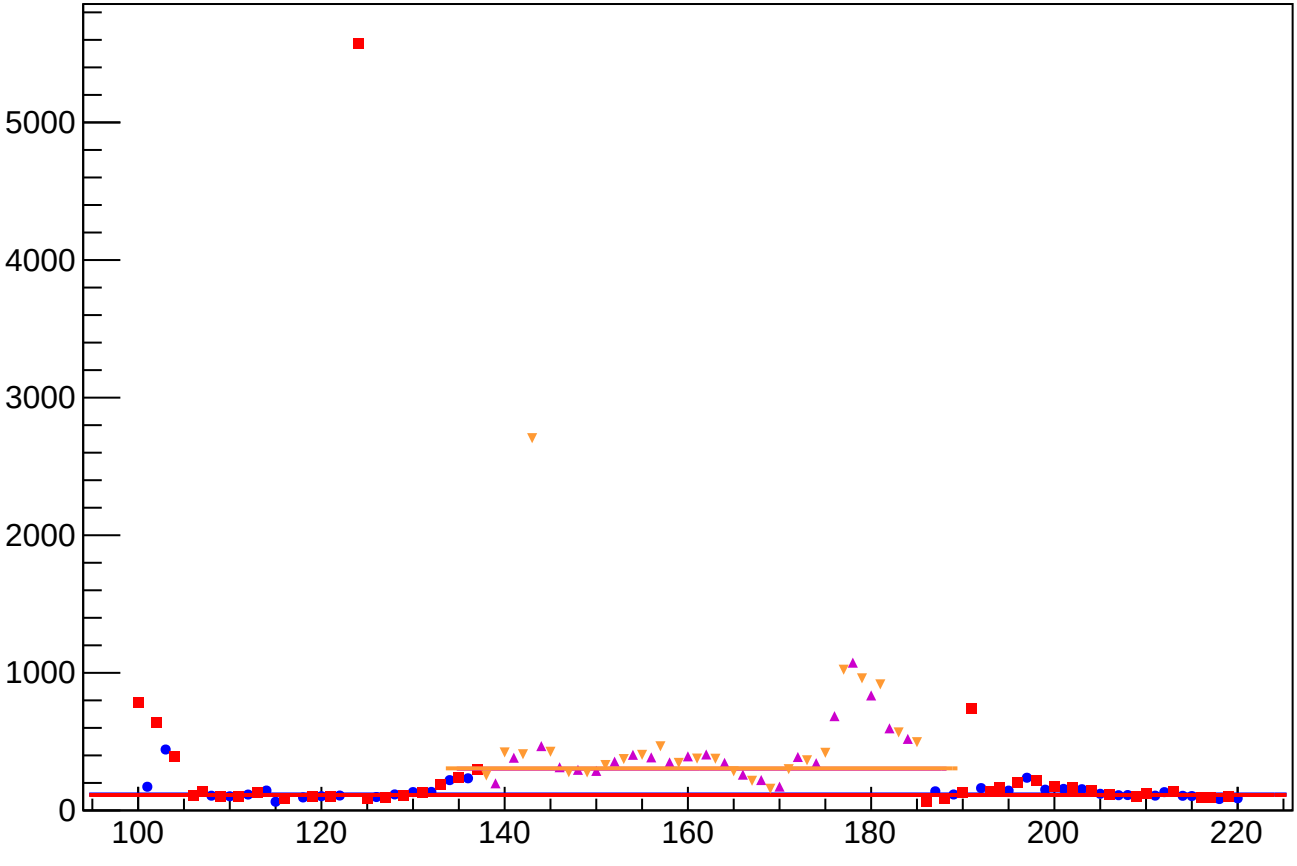
Right: -0.010+/-0.019 χ^2/NDF: 72.3/69

In: 0.024+/-0.026 χ^2/NDF:54.3/55

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.004+/-0.018 χ^2/NDF: 129.8/117

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.255+/-0.019 χ^2/NDF: 3155930.4/32

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

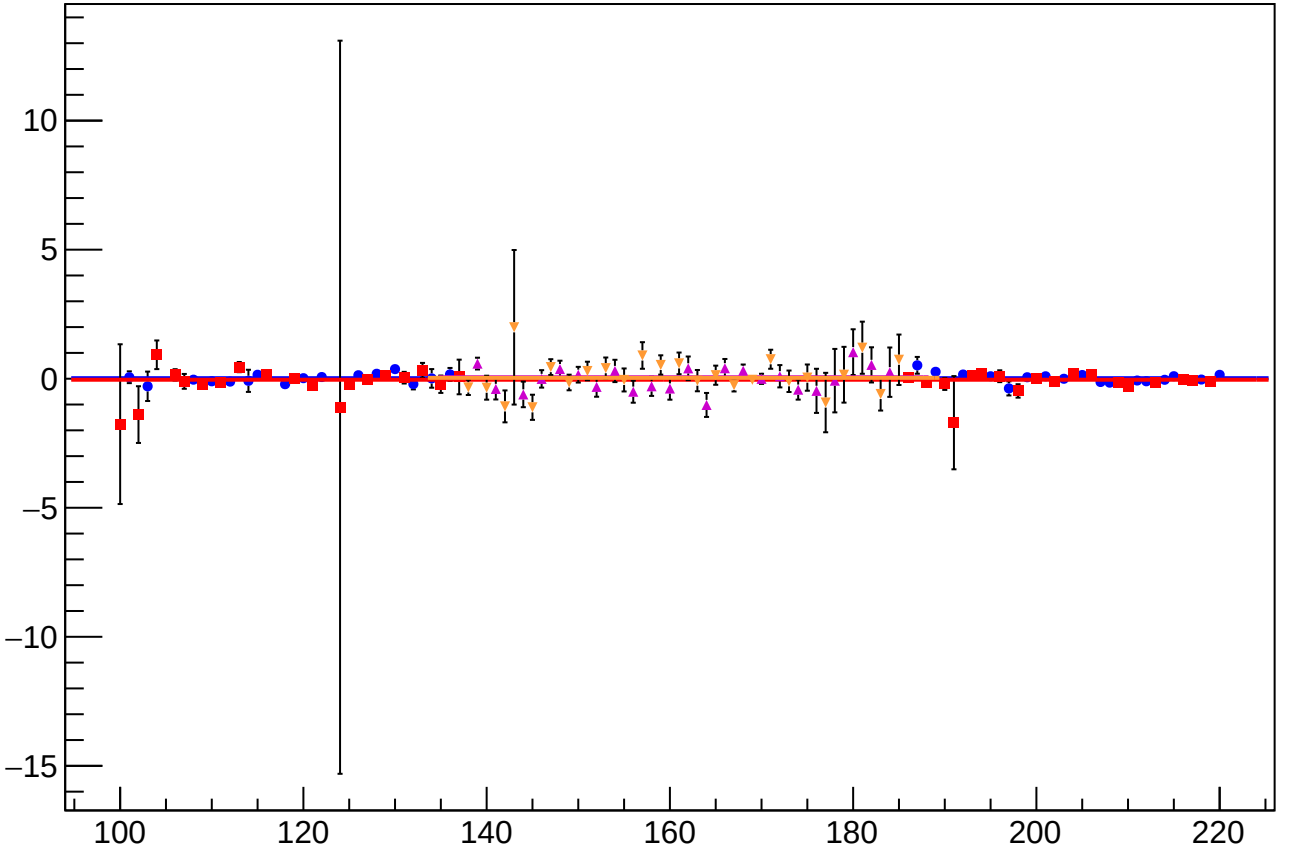
Right: 114.313+/-0.013 χ^2/NDF: 7844146.3/69

In: 136.767+/-0.018 χ^2/NDF:18391314.9/55

Out: 132.903+/-0.018 χ^2/NDF:22330175.4/61

All: 134.816+/-0.013 χ^2/NDF: 40744481.8/11

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.027 χ^2/NDF: 28.1/32

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

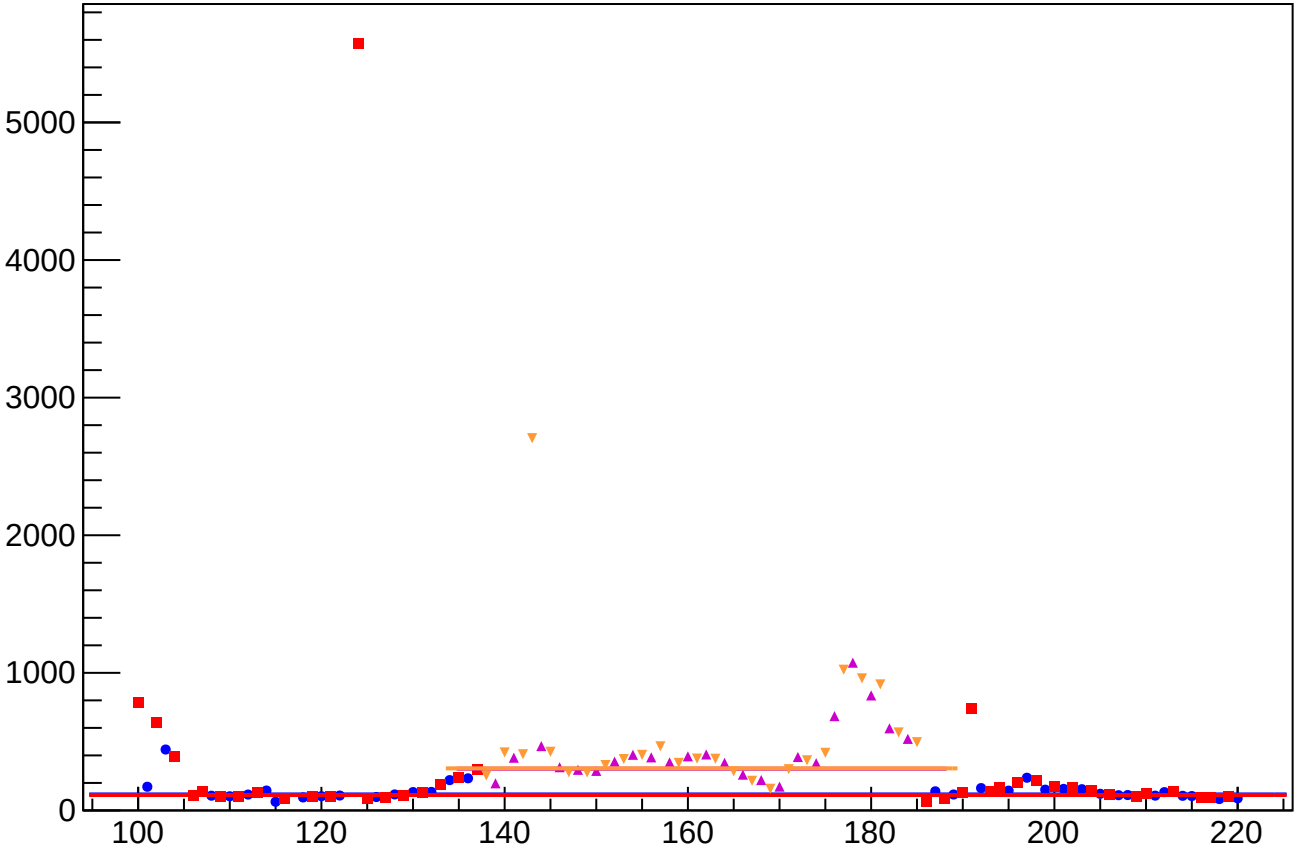
Right: -0.010+/-0.019 χ^2/NDF: 72.3/69

In: 0.024+/-0.026 χ^2/NDF:54.3/55

Out: -0.032+/-0.025 χ^2/NDF:73.1/61

All: -0.004+/-0.018 χ^2/NDF: 129.8/117

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.255+/-0.019 χ^2/NDF: 3155930.4/32

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

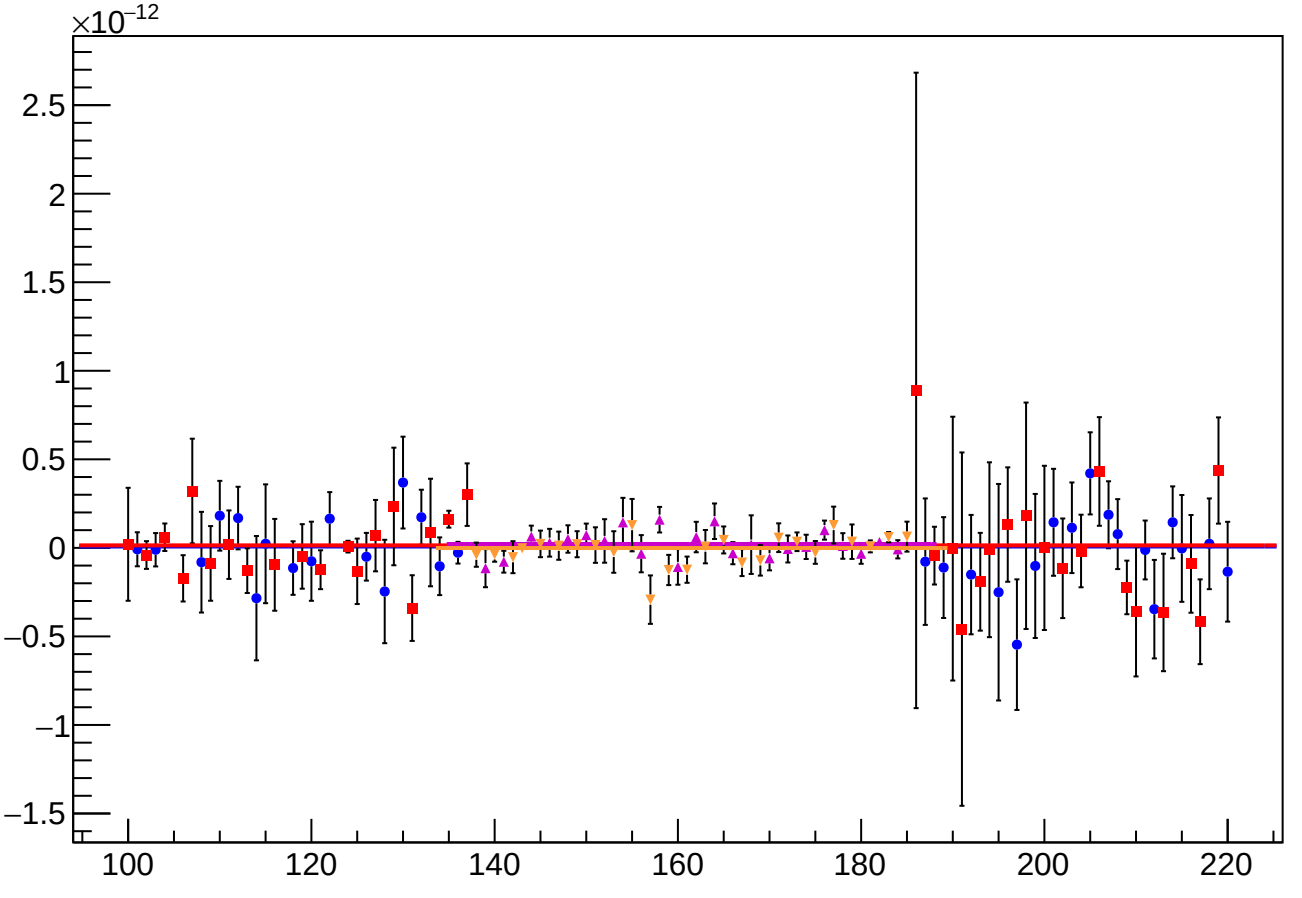
Right: 114.313+/-0.013 χ^2/NDF: 7844146.3/69

In: 136.767+/-0.018 χ^2/NDF:18391314.9/55

Out: 132.903+/-0.018 χ^2/NDF:22330175.4/61

All: 134.816+/-0.013 χ^2/NDF: 40744481.8/11

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.1/36

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

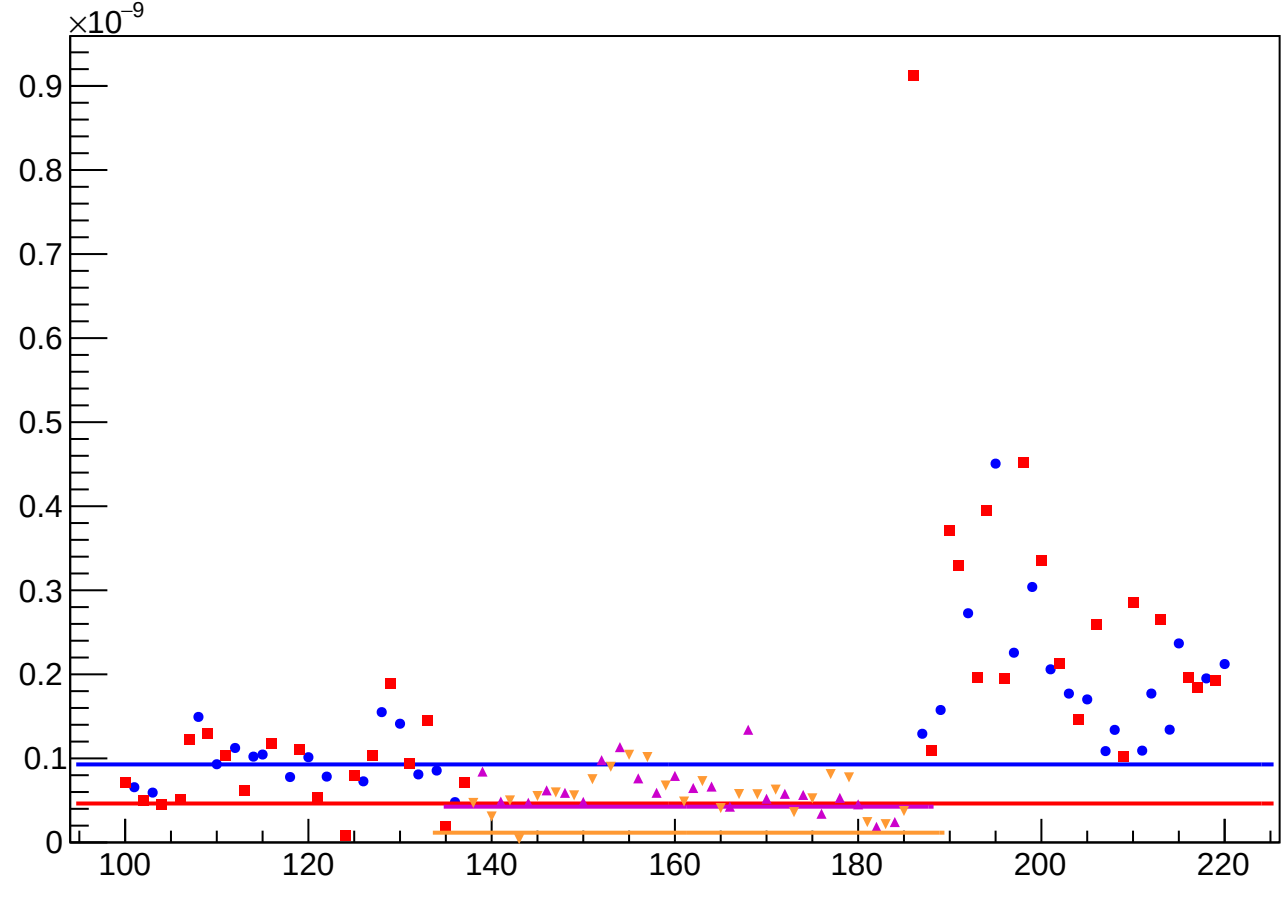
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 57.1/69

In: 0.000+/-0.000 χ^2/NDF:38.8/55

Out: 0.000+/-0.000 χ^2/NDF:60.6/61

All: 0.000+/-0.000 χ^2/NDF: 101.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 6269482.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16063134.4/36

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

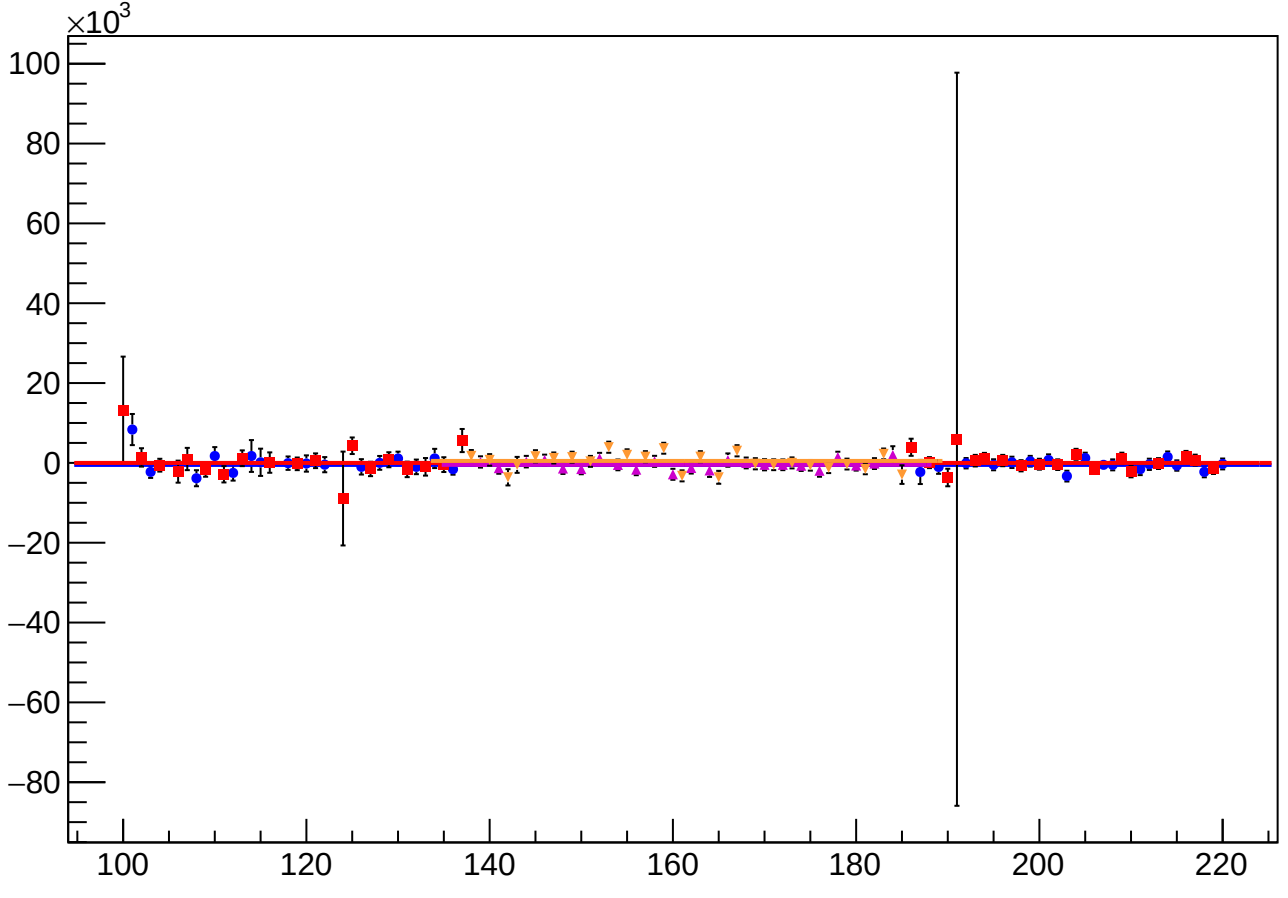
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 25574456.3/69

In: 0.000+/-0.000 χ^2/NDF:16348499.6/55

Out: 0.000+/-0.000 χ^2/NDF:39189498.9/61

All: 0.000+/-0.000 χ^2/NDF: 70340342.2/117



Right In: -508.315+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -10.411+/-281.970 χ^2/NDF: 33.5/36

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

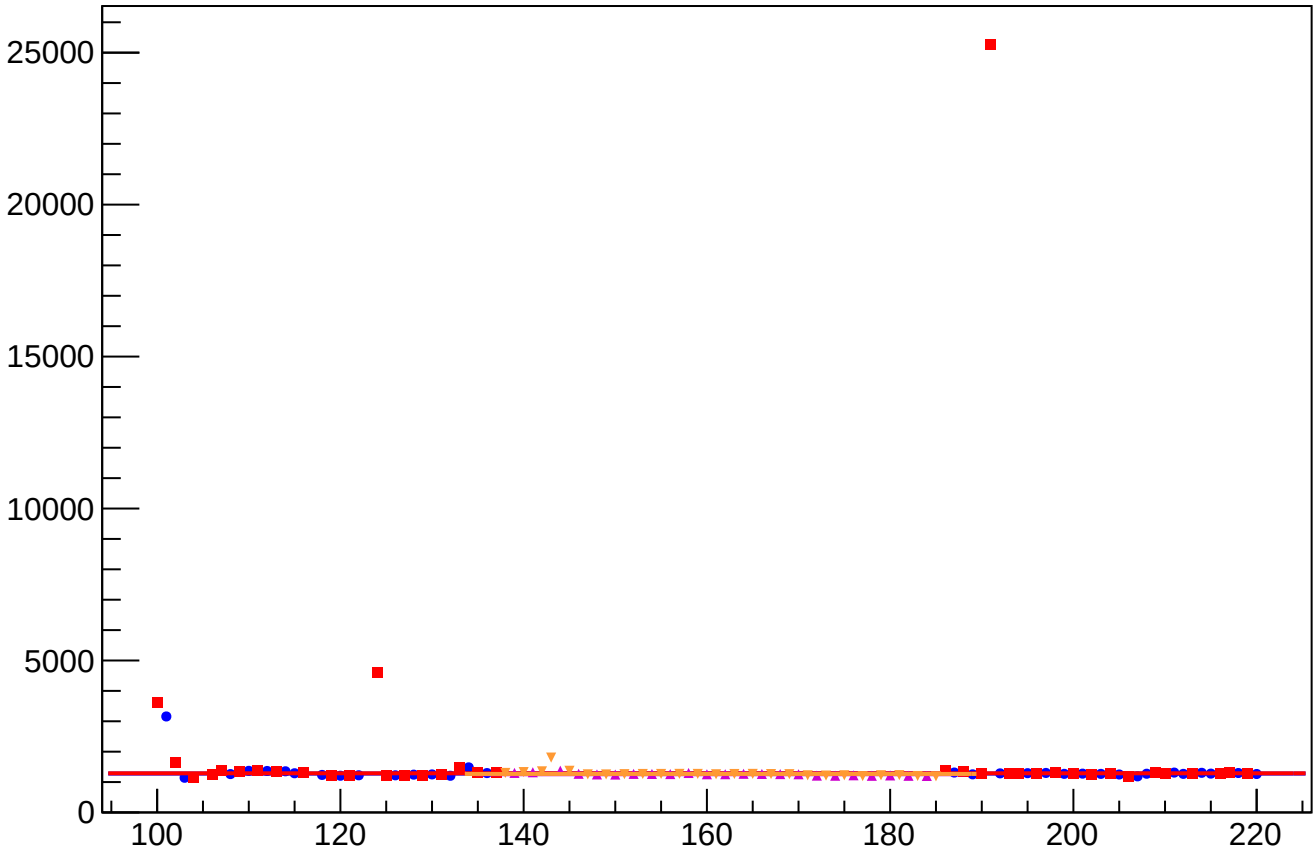
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -260.642+/-198.870 χ^2/NDF: 61.3/69

In: -498.063+/-202.881 χ^2/NDF:40.6/55

Out: 235.079+/-201.650 χ^2/NDF:81.9/61

All: -129.261+/-143.022 χ^2/NDF: 129.1/117



Right In: 1278.918+/-0.198 χ^2/NDF: 530826.5/32

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

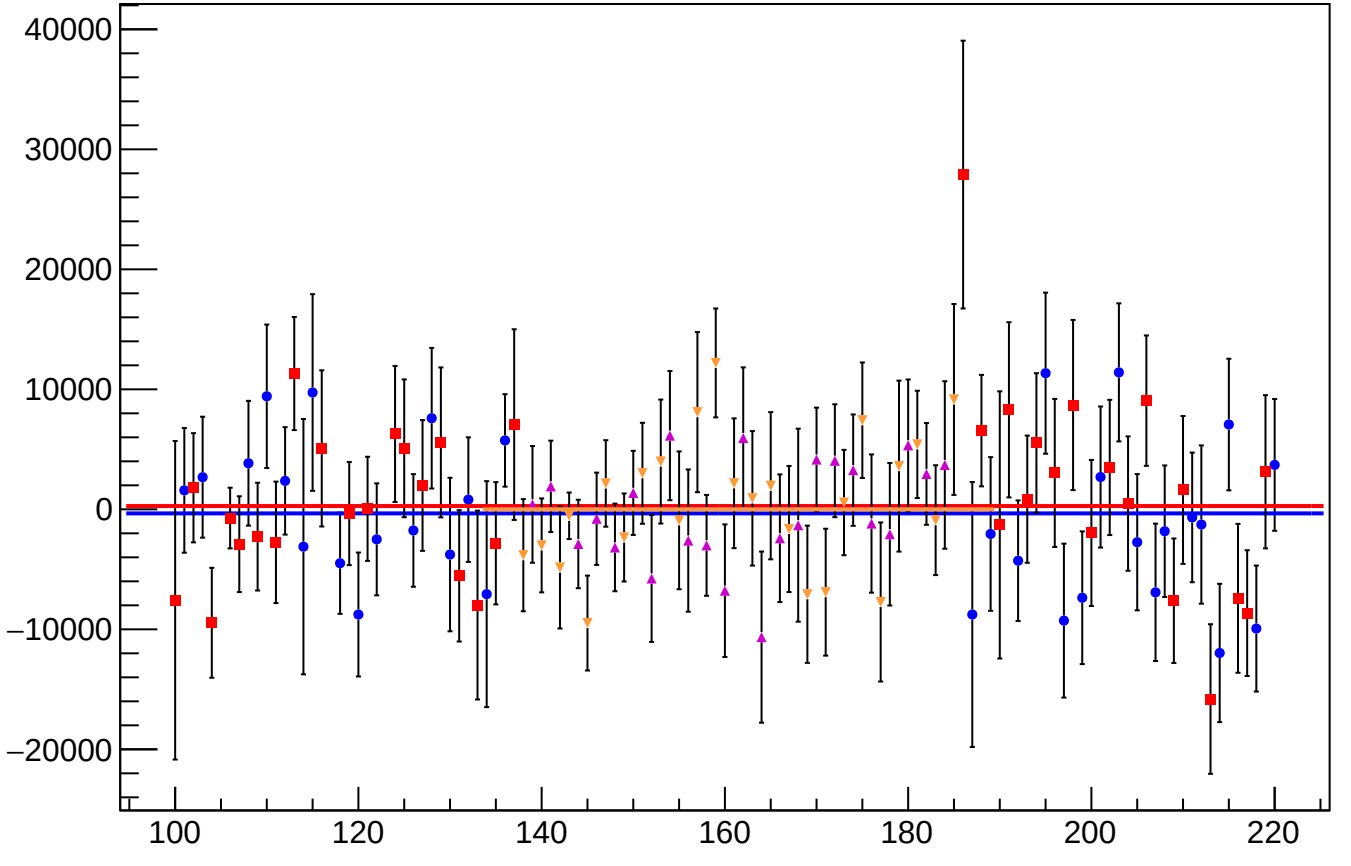
Right: 1283.684+/-0.141 χ^2/NDF: 1015560.7/69

In: 1268.727+/-0.143 χ^2/NDF:573176.5/55

Out: 1277.985+/-0.143 χ^2/NDF:676818.5/61

All: 1273.386+/-0.101 χ^2/NDF: 1252091.1/11

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -338.252+/-969.086 χ^2/NDF: 38.5/32

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

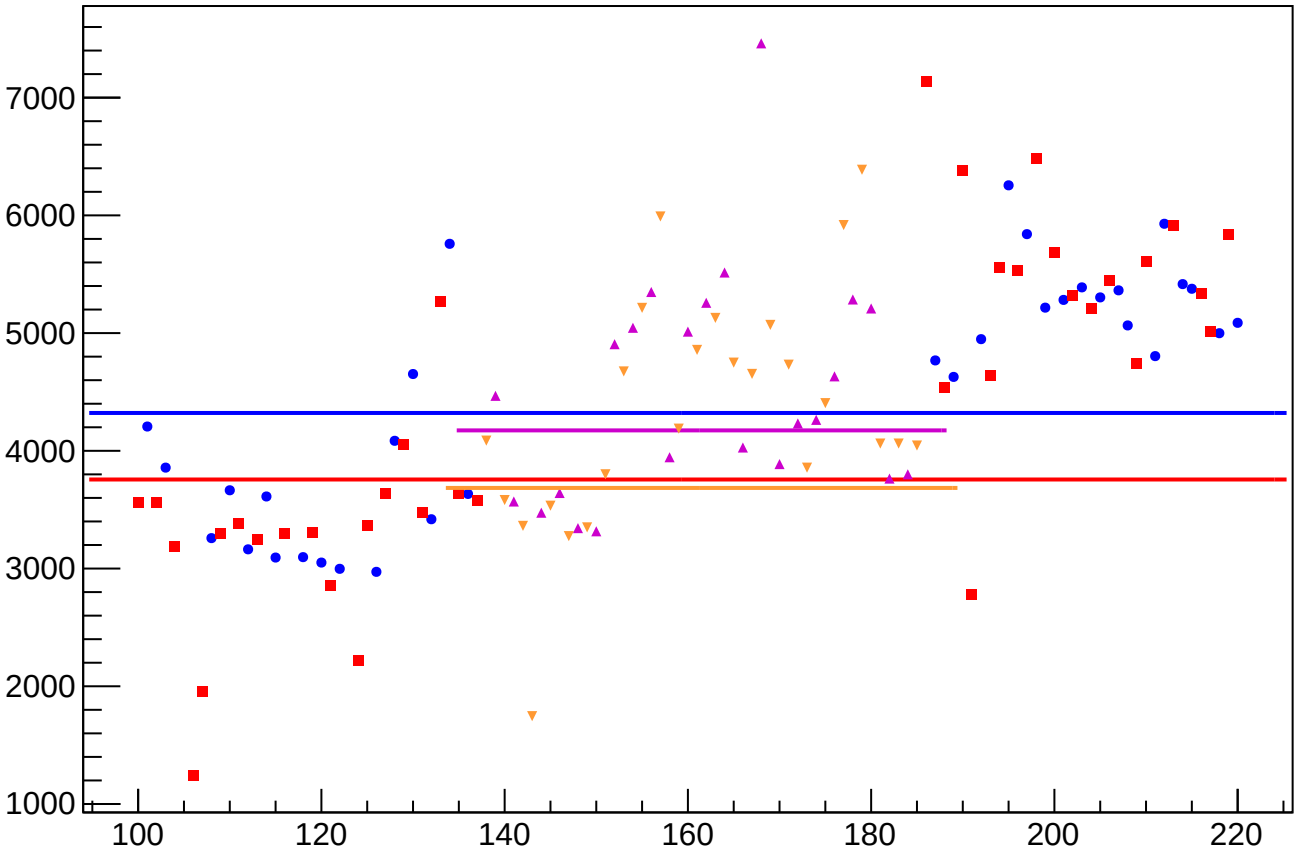
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: -1.169+/-649.845 χ^2/NDF: 85.6/69

In: -158.273+/-694.346 χ^2/NDF:52.6/55

Out: 138.465+/-623.096 χ^2/NDF:75.9/61

All: 6.097+/-463.746 χ^2/NDF: 128.7/117



Right In: 4321.635+/-0.685 χ^2/NDF: 2116489.4/32

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

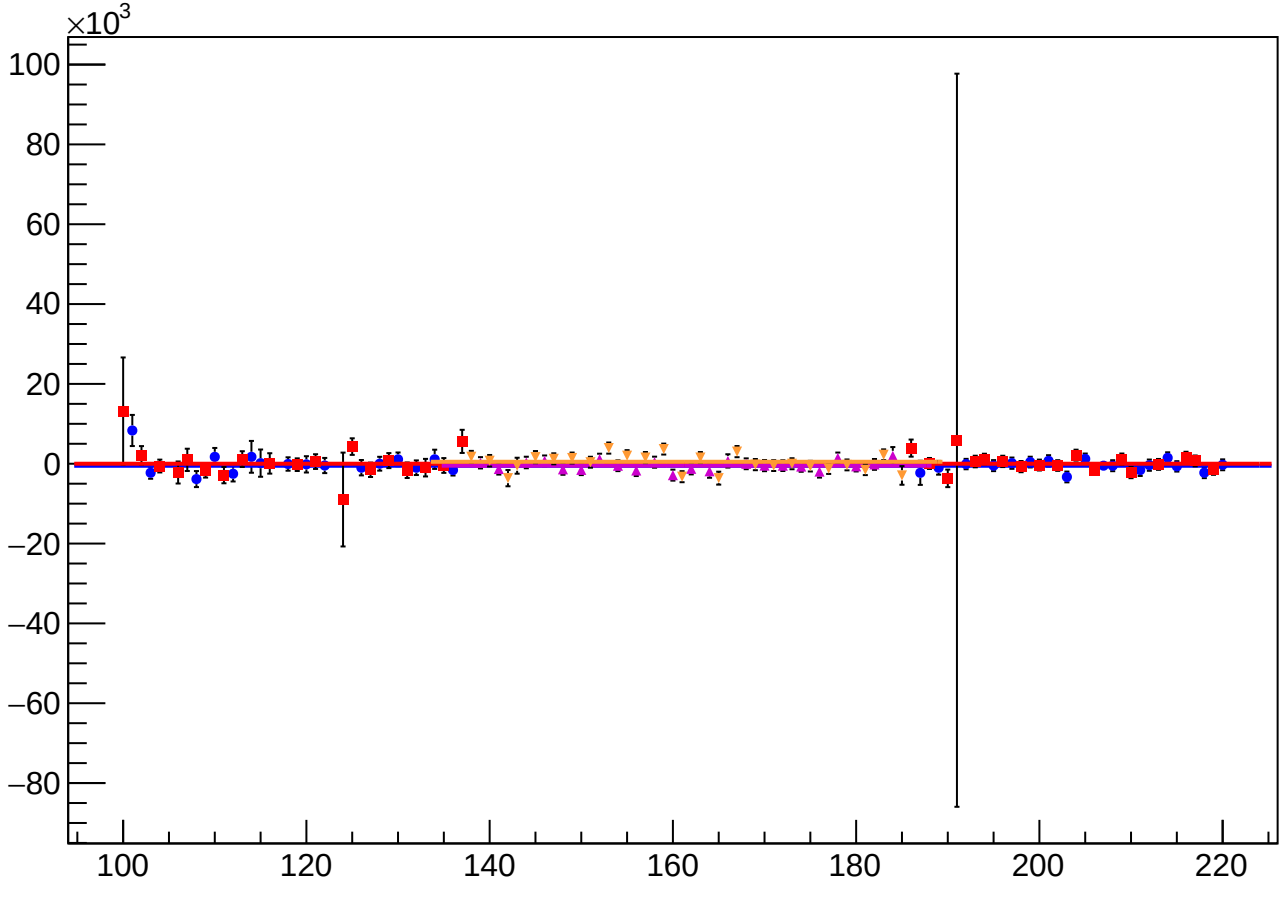
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 4010.590+/-0.460 χ^2/NDF: 8058760.1/69

In: 4249.575+/-0.491 χ^2/NDF:3414182.1/55

Out: 3721.030+/-0.441 χ^2/NDF:9268137.7/61

All: 3956.801+/-0.328 χ^2/NDF: 13324256.2/1



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

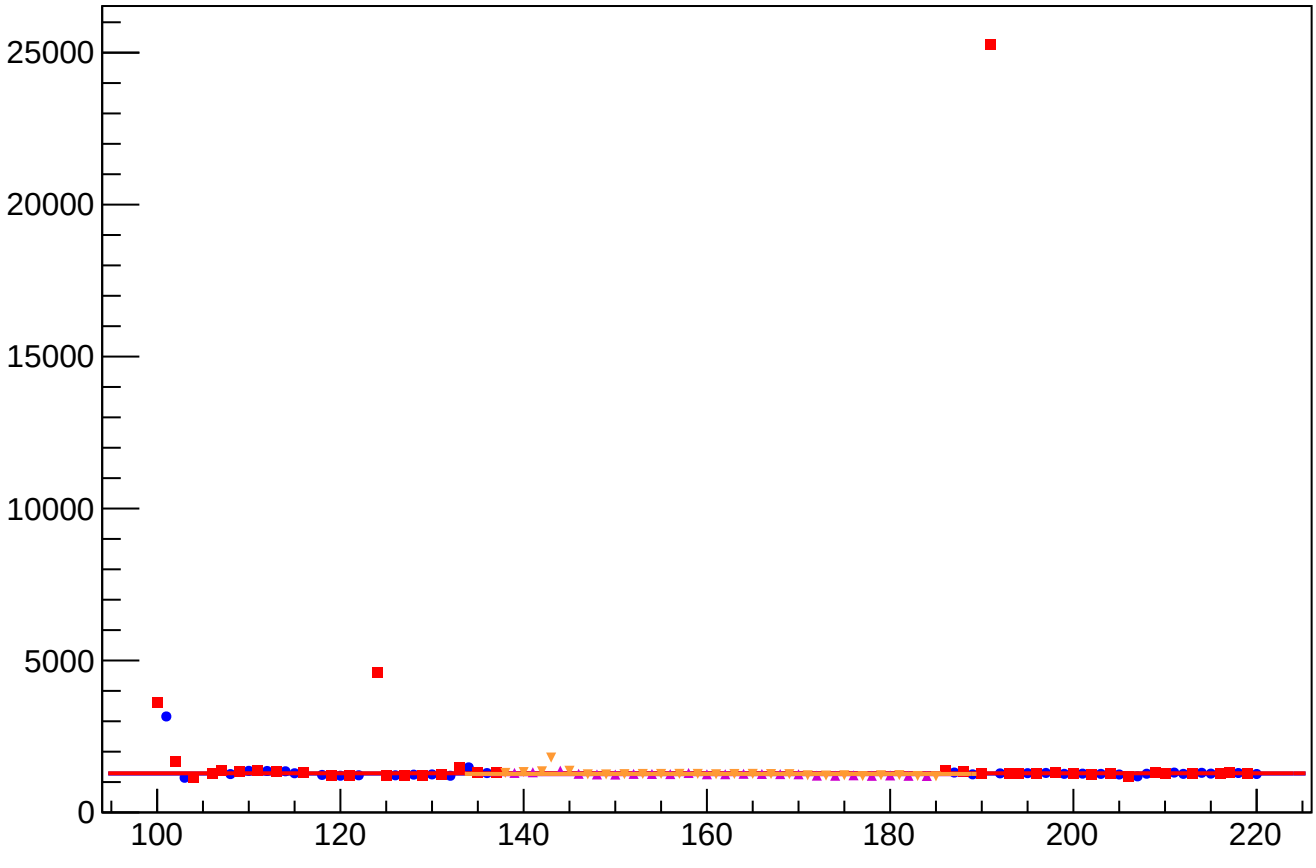
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.941+/-198.892 χ^2/NDF: 61.8/69

In: -498.080+/-202.881 χ^2/NDF:40.6/55

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -126.786+/-143.030 χ^2/NDF: 129.6/117



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

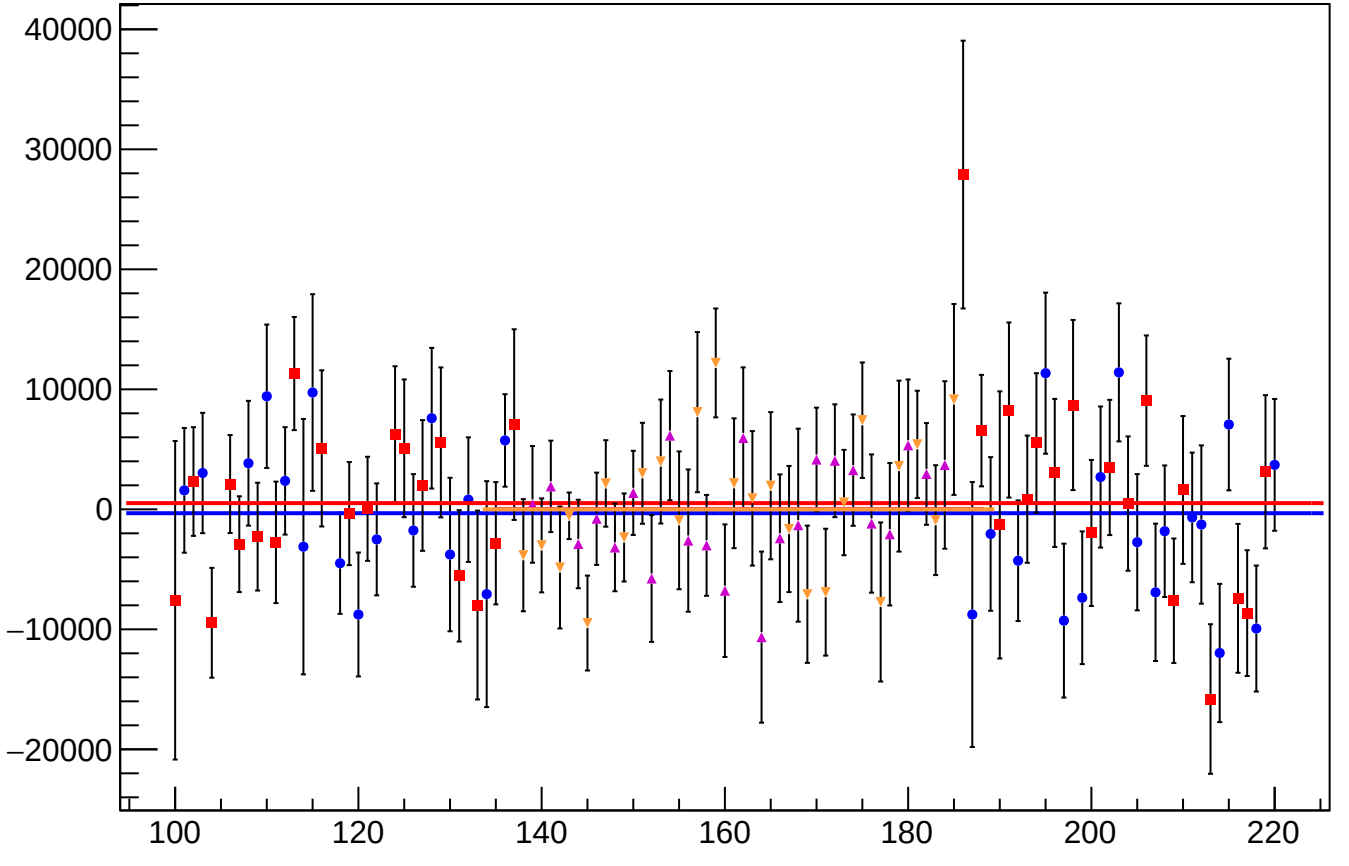
Right: 1284.015+/-0.141 χ^2/NDF: 1022630.5/69

In: 1268.727+/-0.143 χ^2/NDF:573177.9/55

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

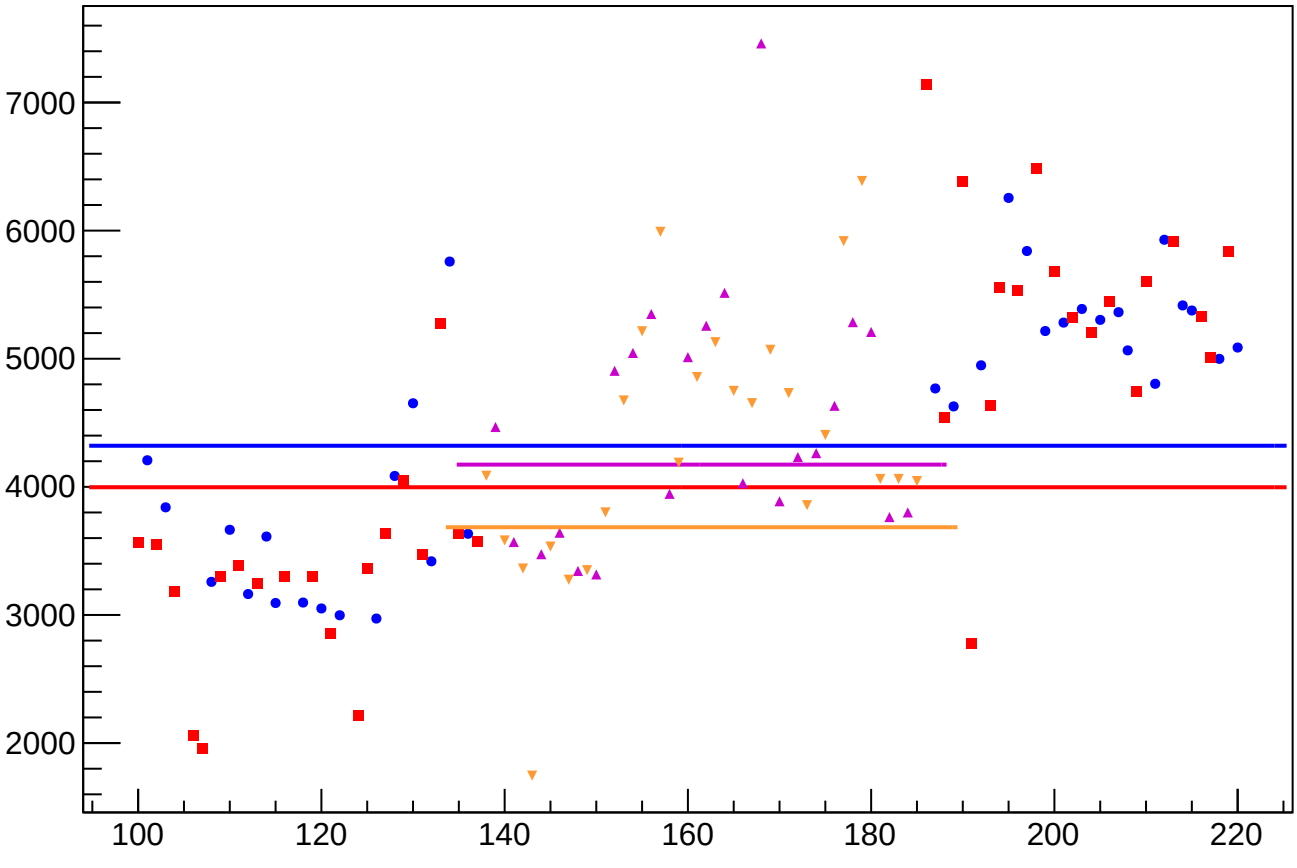
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 122.092+/-663.331 χ^2/NDF: 85.9/69

In: -151.021+/-694.280 χ^2/NDF:52.7/55

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: 67.774+/-468.573 χ^2/NDF: 129.0/117



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

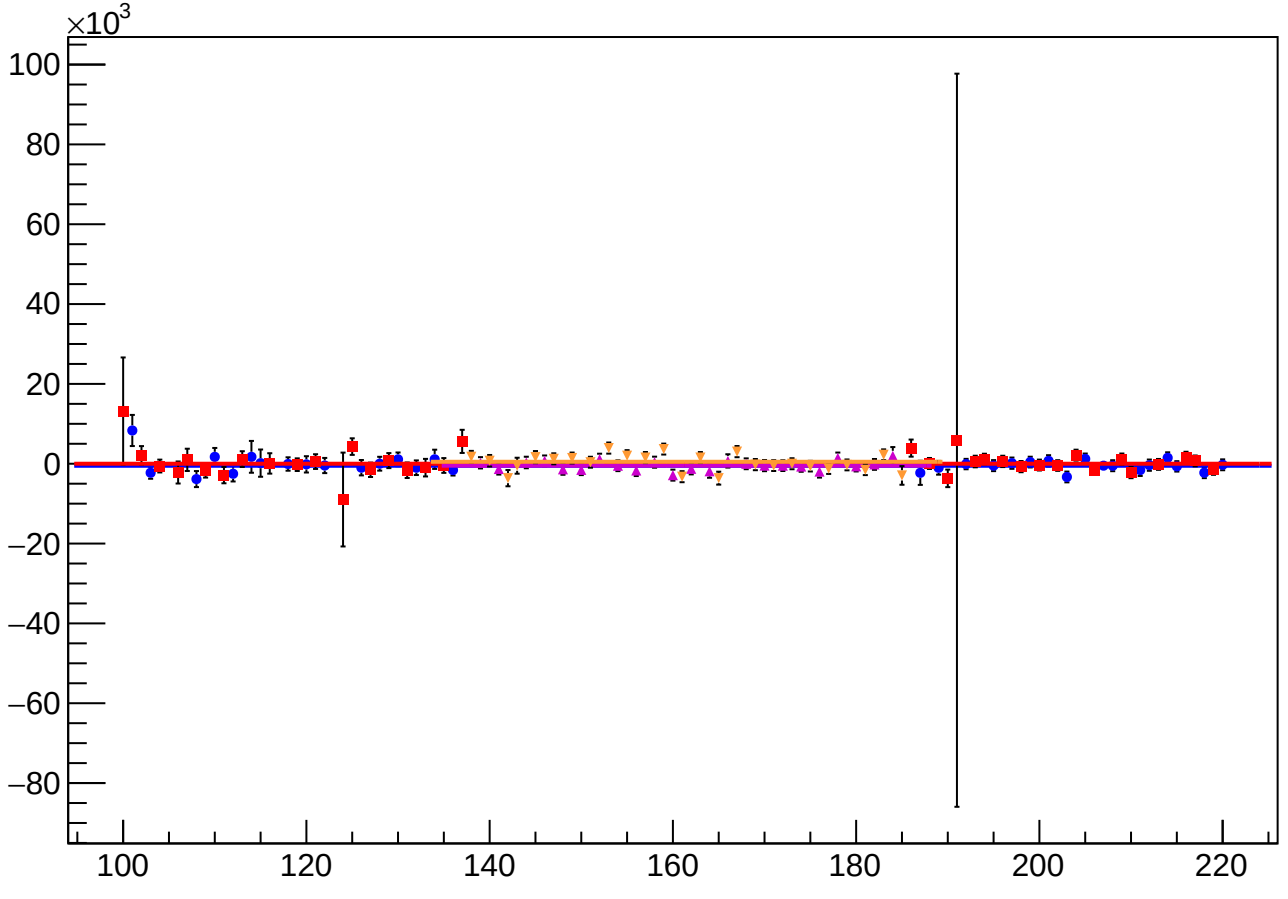
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4148.719+/-0.469 χ^2/NDF: 6033980.2/69

In: 4249.180+/-0.491 χ^2/NDF:3415410.3/55

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

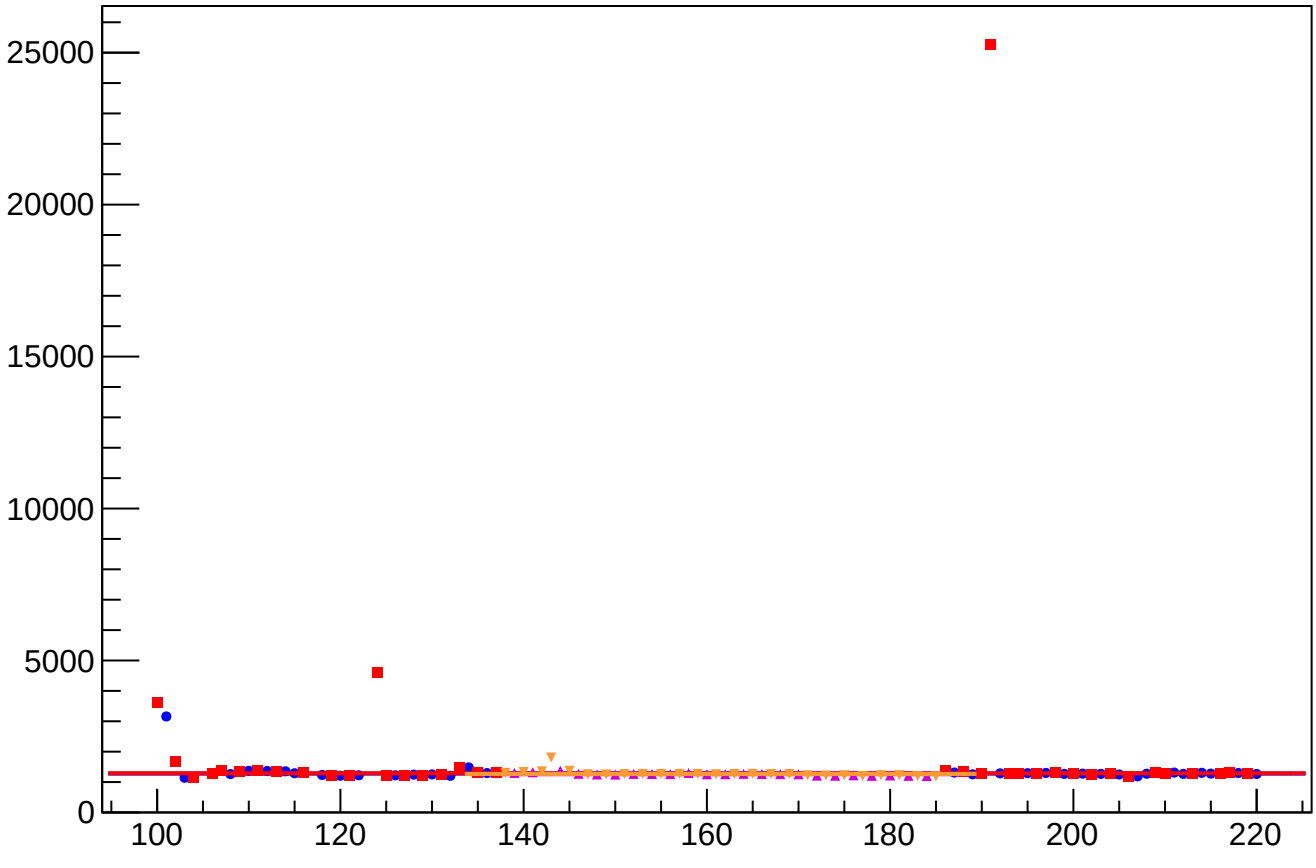
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.941+/-198.892 χ^2/NDF: 61.8/69

In: -498.080+/-202.881 χ^2/NDF:40.6/55

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -126.786+/-143.030 χ^2/NDF: 129.6/117



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

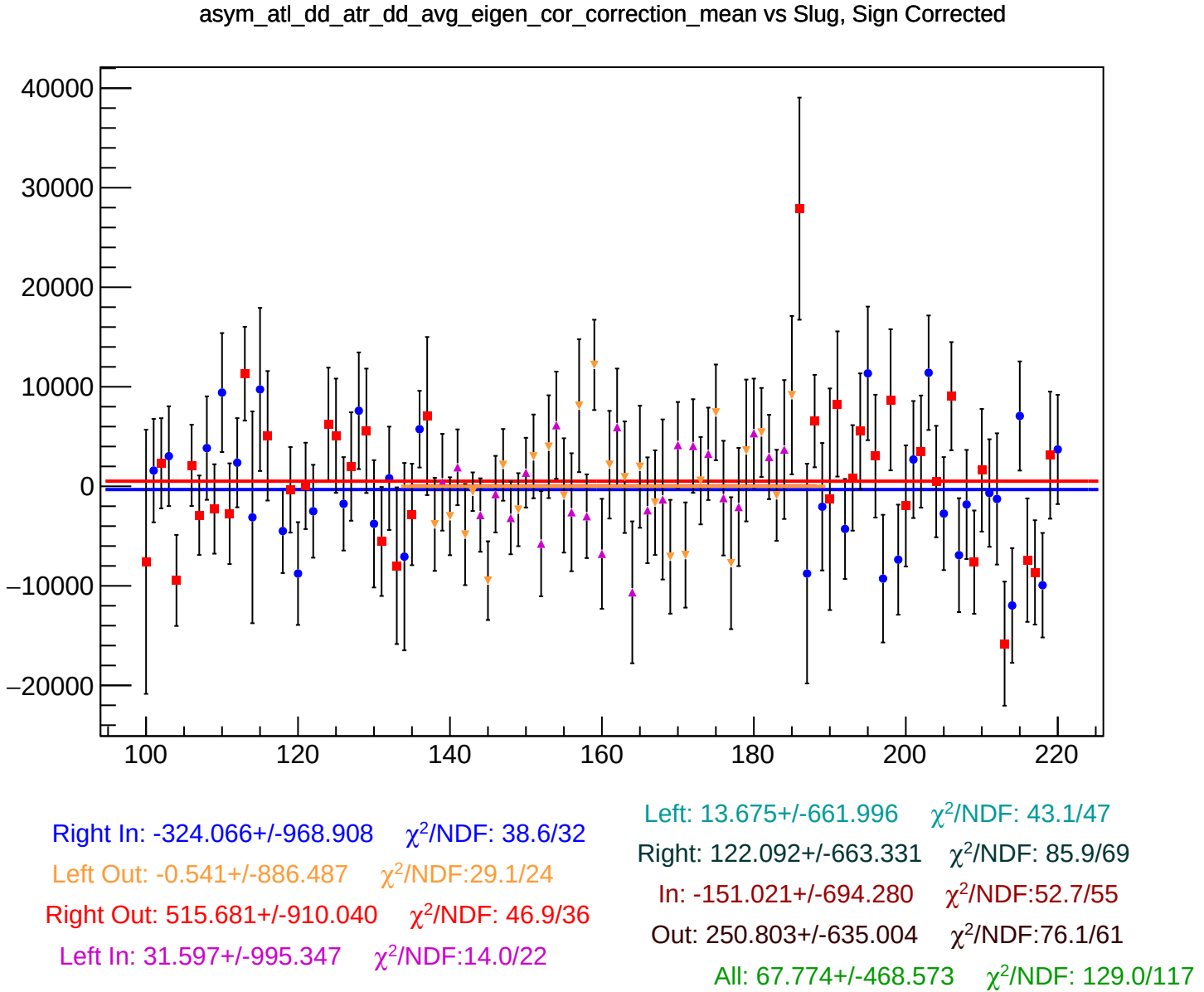
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1284.015+/-0.141 χ^2/NDF: 1022630.5/69

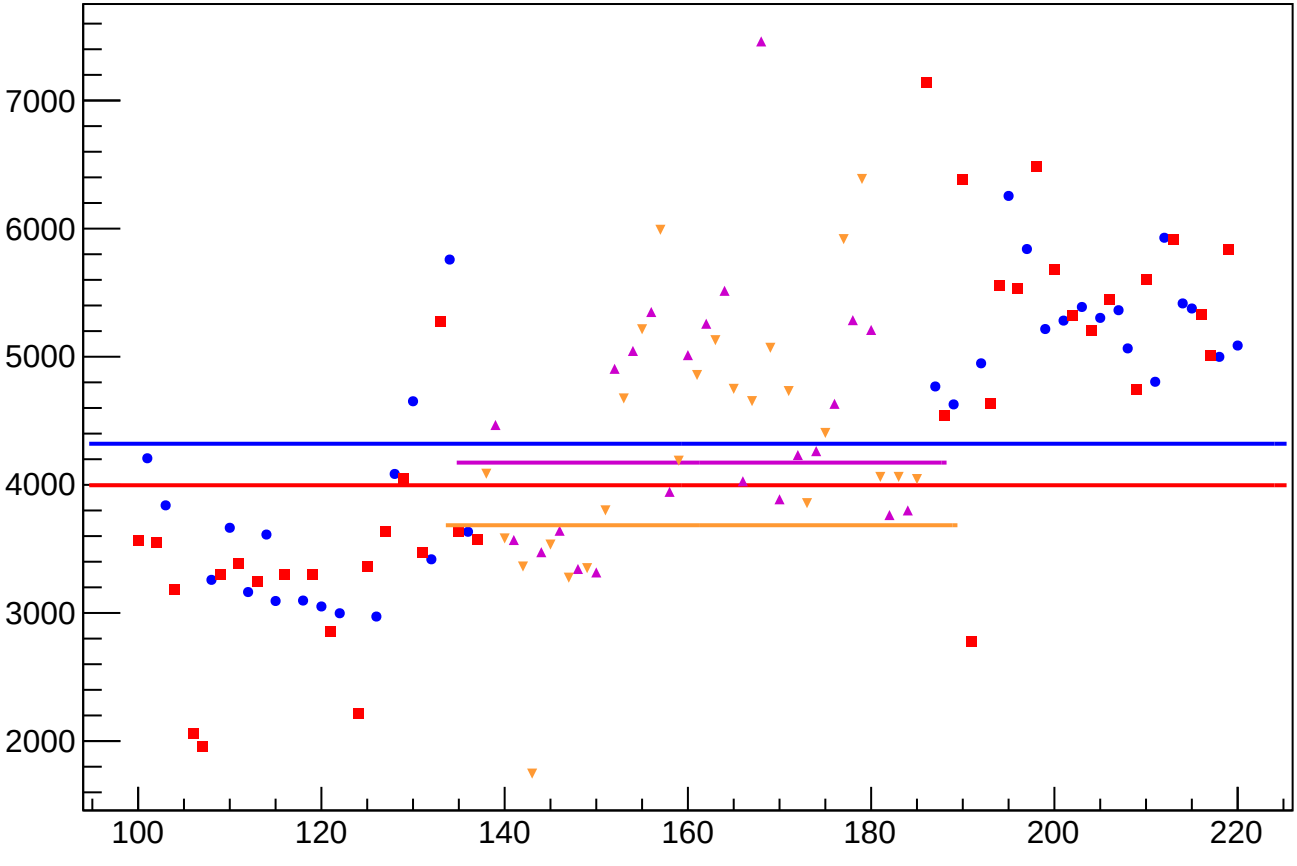
In: 1268.727+/-0.143 χ^2/NDF:573177.9/55

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -324.066+/-968.908 χ²/NDF: 38.6/32
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 515.681+/-910.040 χ²/NDF: 46.9/36
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 122.092+/-663.331 χ²/NDF: 85.9/69
In: -151.021+/-694.280 χ²/NDF:52.7/55
Out: 250.803+/-635.004 χ²/NDF:76.1/61
All: 67.774+/-468.573 χ²/NDF: 129.0/117

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

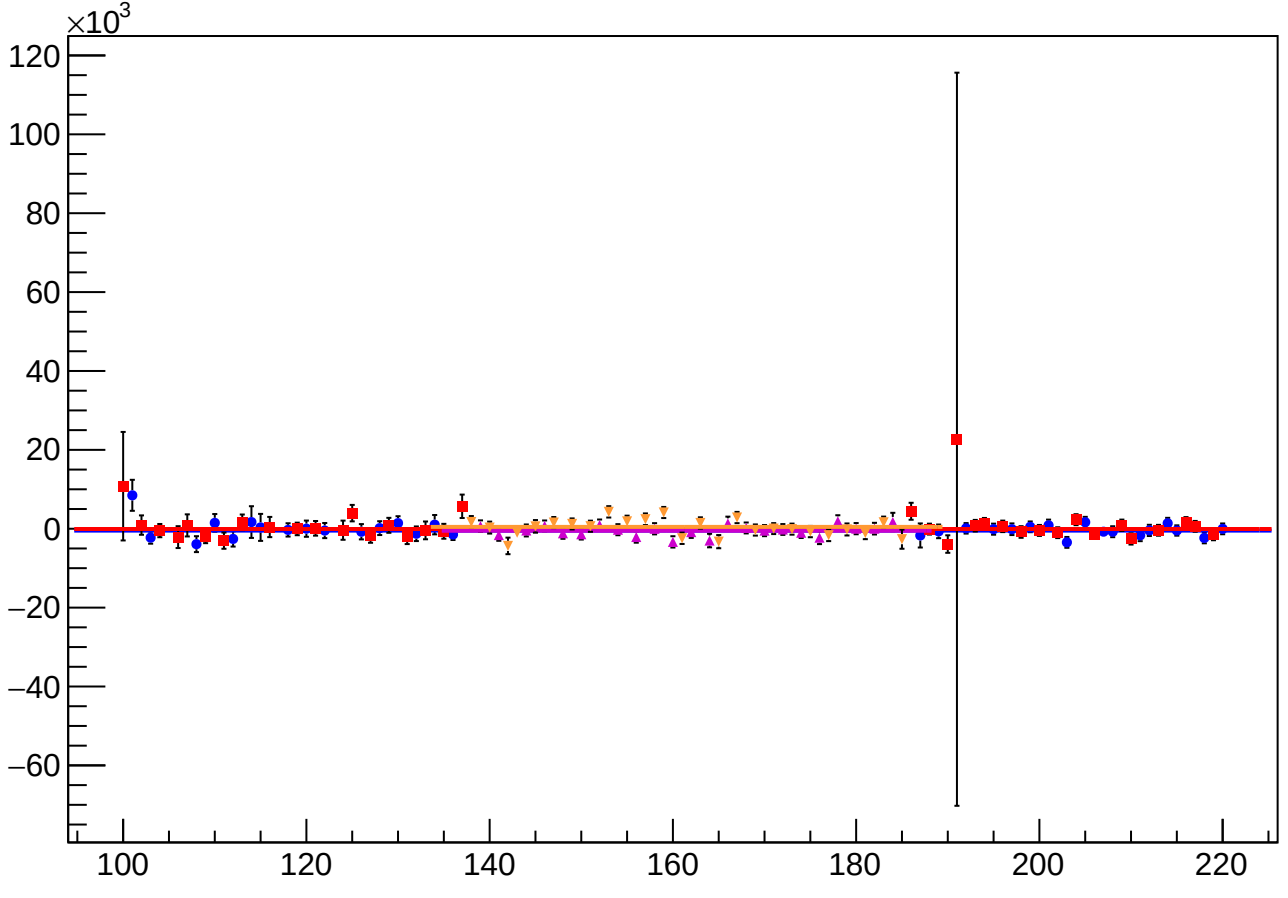
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4148.719+/-0.469 χ^2/NDF: 6033980.2/69

In: 4249.180+/-0.491 χ^2/NDF:3415410.3/55

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1



Right In: -470.448+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

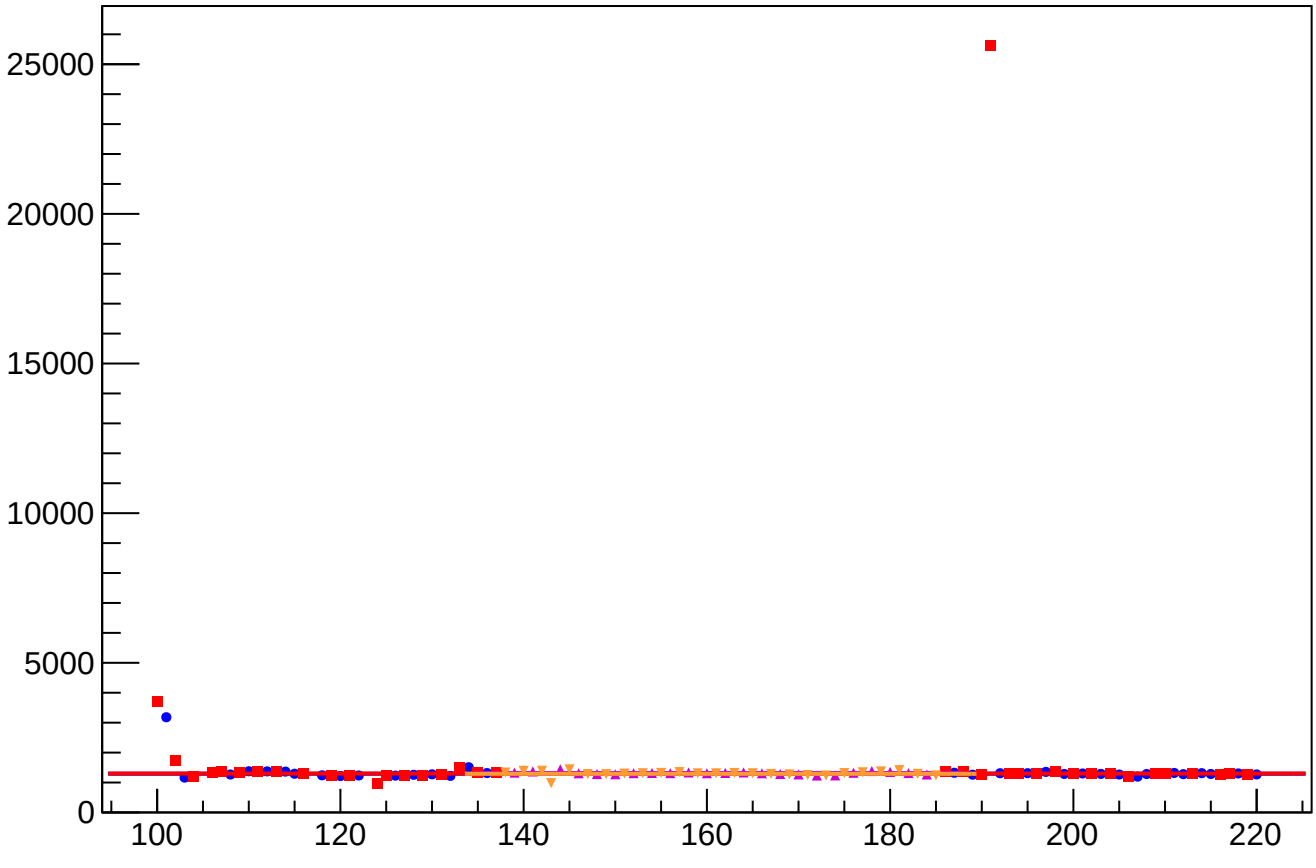
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -268.475+/-200.799 χ^2/NDF: 63.8/69

In: -485.707+/-208.446 χ^2/NDF:45.1/55

Out: 191.434+/-204.372 χ^2/NDF:81.0/61

All: -140.456+/-145.932 χ^2/NDF: 131.4/117



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.3/32

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

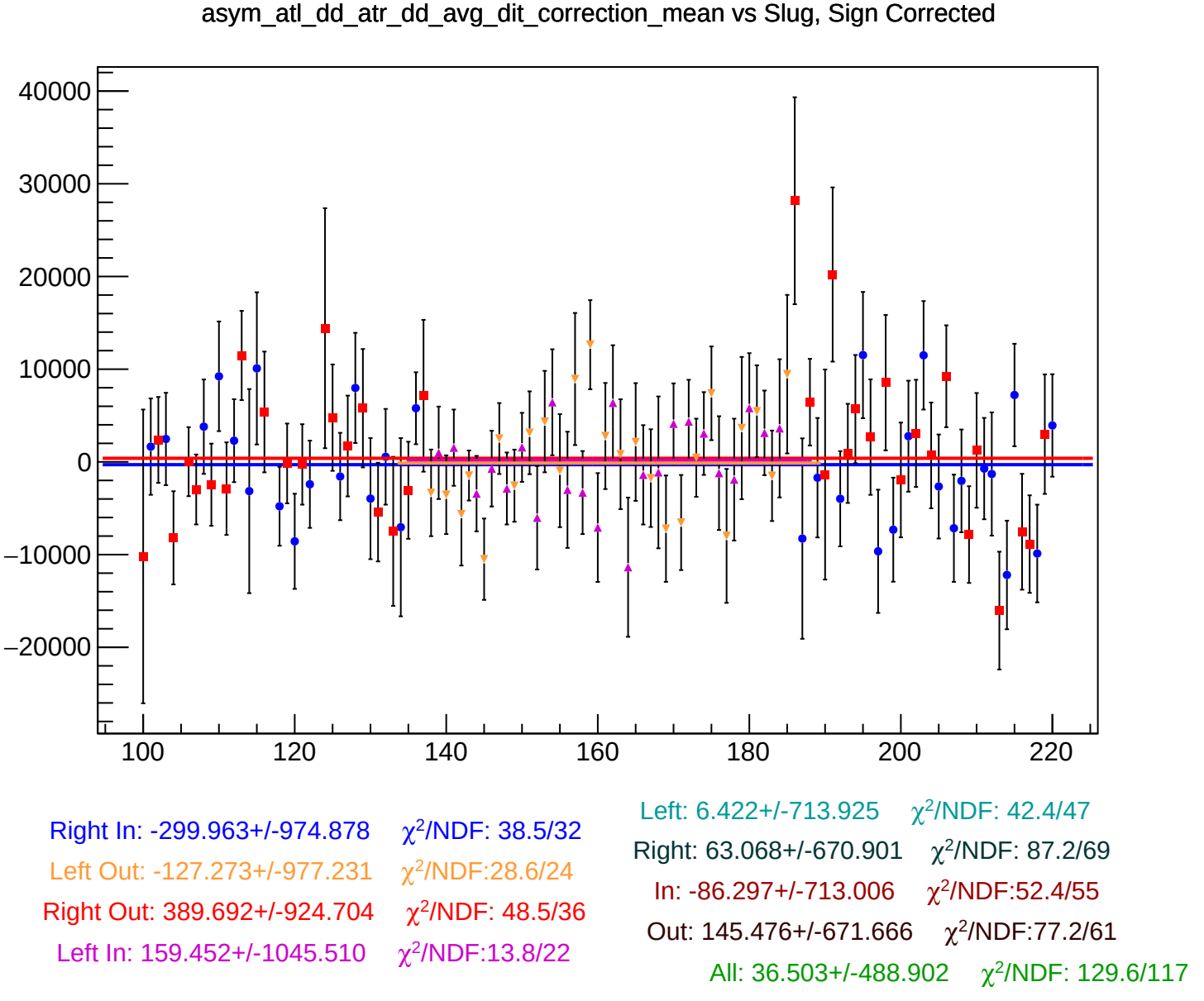
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1296.826+/-0.142 χ^2/NDF: 910720.5/69

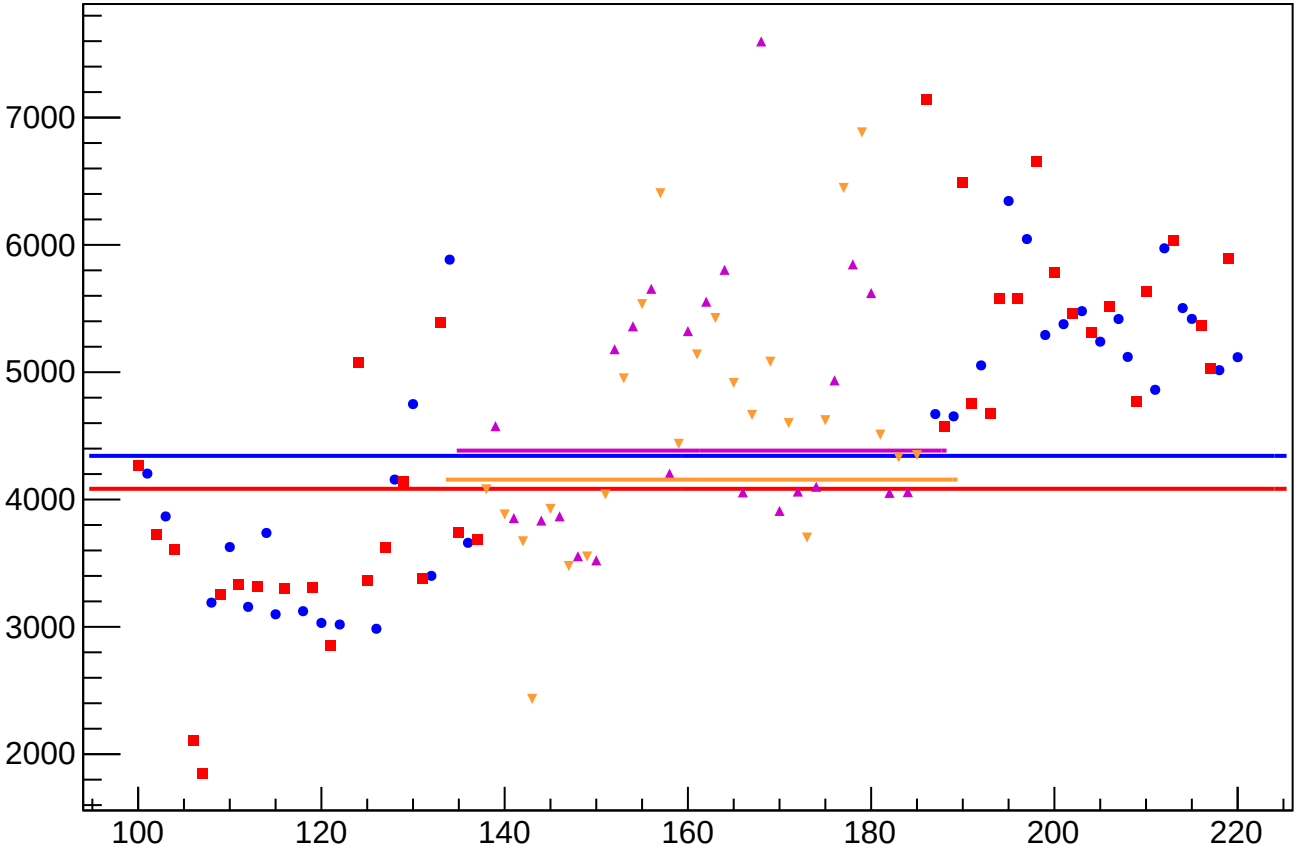
In: 1303.278+/-0.147 χ^2/NDF:578492.4/55

Out: 1295.527+/-0.144 χ^2/NDF:611000.4/61

All: 1299.325+/-0.103 χ^2/NDF: 1190902.9/11


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -299.963+/-974.878 χ²/NDF: 38.5/32
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 389.692+/-924.704 χ²/NDF: 48.5/36
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 63.068+/-670.901 χ²/NDF: 87.2/69
In: -86.297+/-713.006 χ²/NDF:52.4/55
Out: 145.476+/-671.666 χ²/NDF:77.2/61
All: 36.503+/-488.902 χ²/NDF: 129.6/117

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4342.960+/-0.689 χ^2/NDF: 2219094.7/32

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

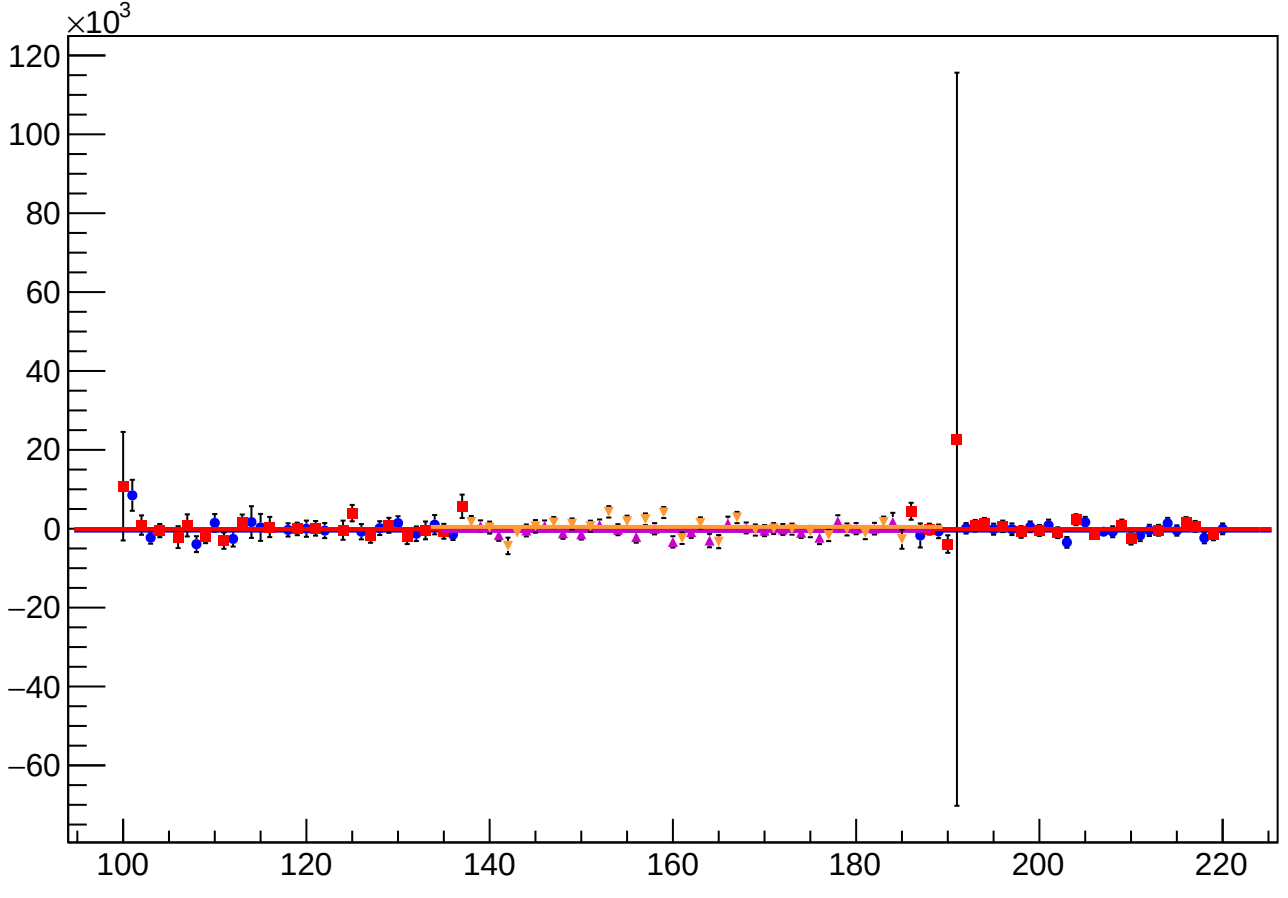
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4206.805+/-0.474 χ^2/NDF: 6107780.9/69

In: 4362.197+/-0.504 χ^2/NDF:3476240.0/55

Out: 4118.448+/-0.475 χ^2/NDF:5901113.1/61

All: 4233.052+/-0.346 χ^2/NDF: 9501193.8/11



Right In: -470.446+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

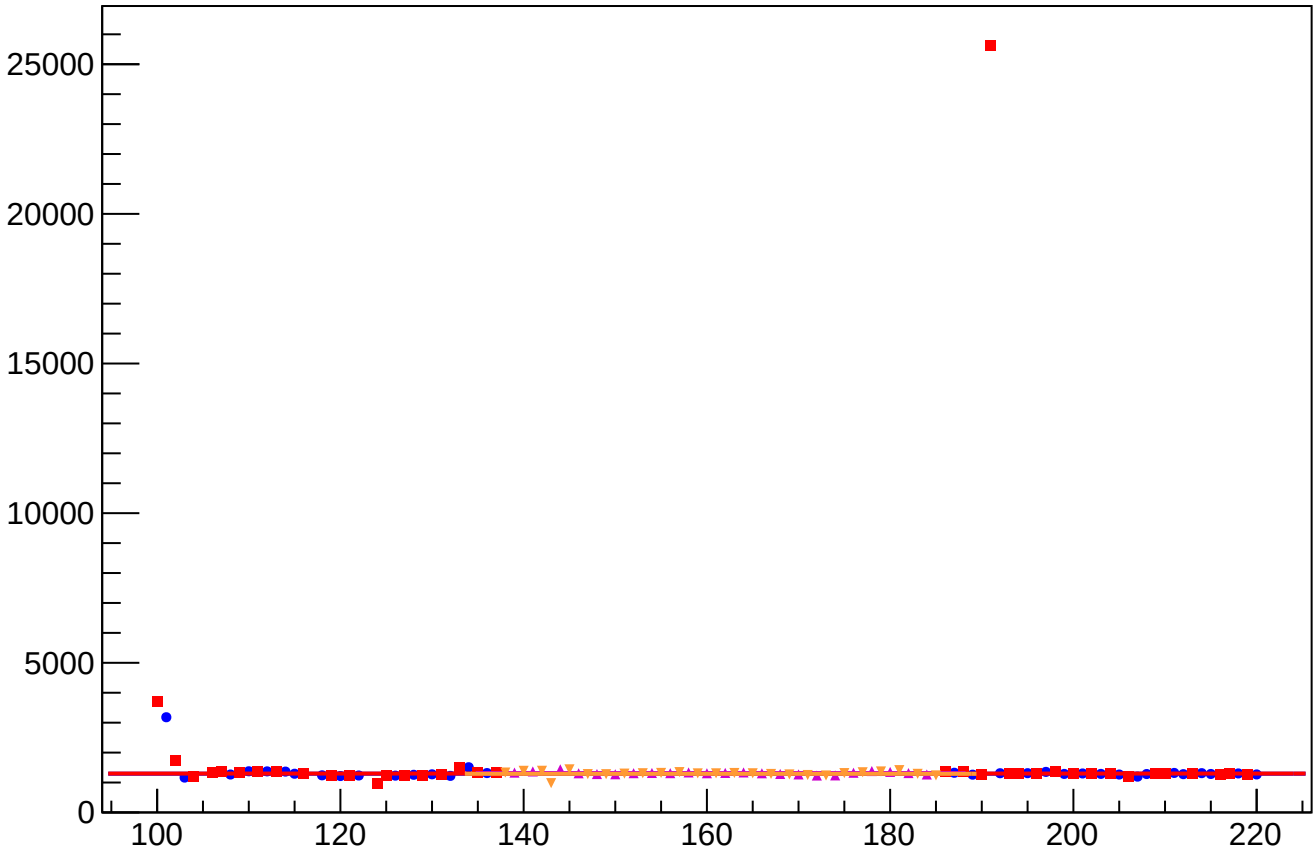
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -268.475+/-200.799 χ^2/NDF: 63.8/69

In: -485.706+/-208.446 χ^2/NDF:45.1/55

Out: 191.435+/-204.373 χ^2/NDF:81.0/61

All: -140.455+/-145.932 χ^2/NDF: 131.4/117



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.5/32

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

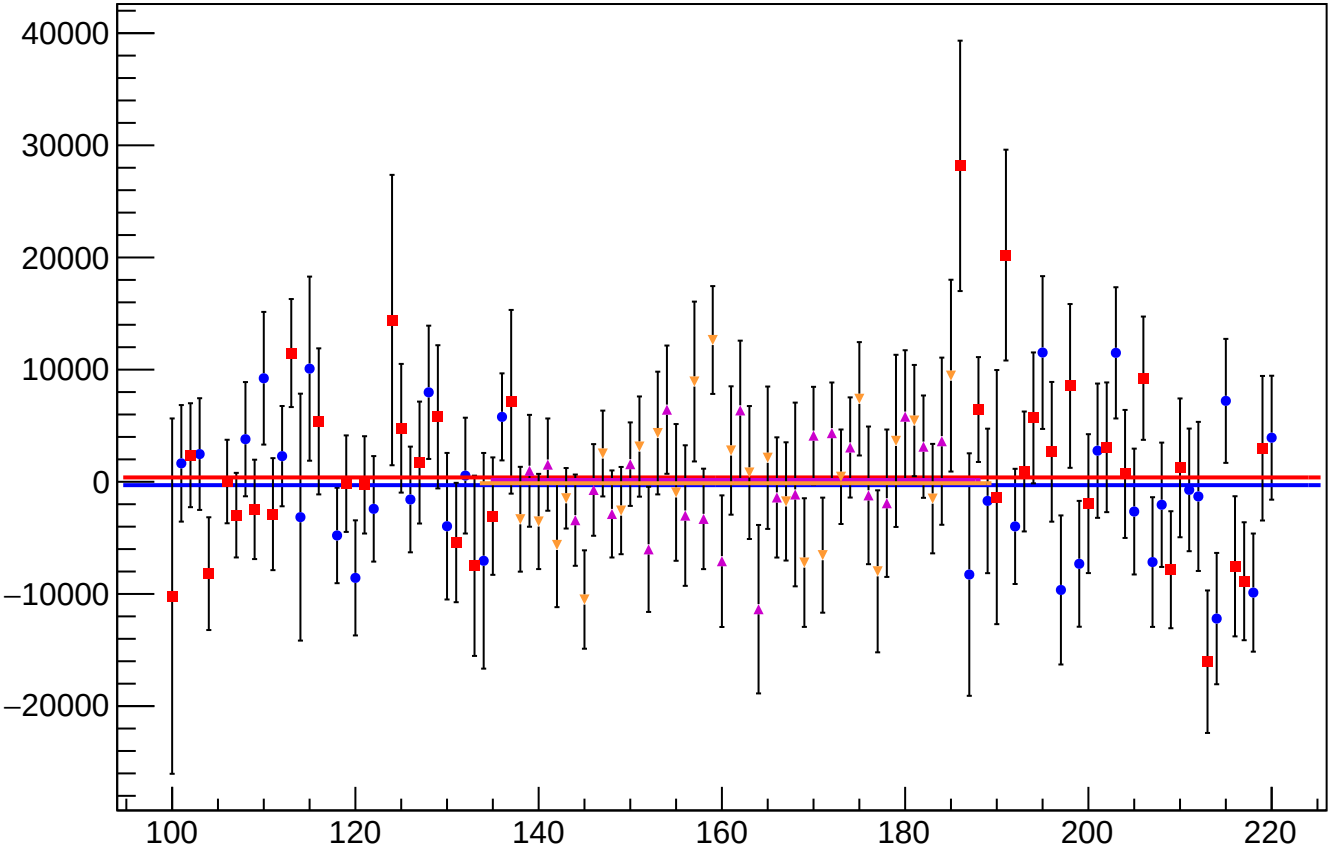
Right: 1296.826+/-0.142 χ^2/NDF: 910720.8/69

In: 1303.278+/-0.147 χ^2/NDF:578495.2/55

Out: 1295.527+/-0.144 χ^2/NDF:611002.7/61

All: 1299.326+/-0.103 χ^2/NDF: 1190908.0/11

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -299.966+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

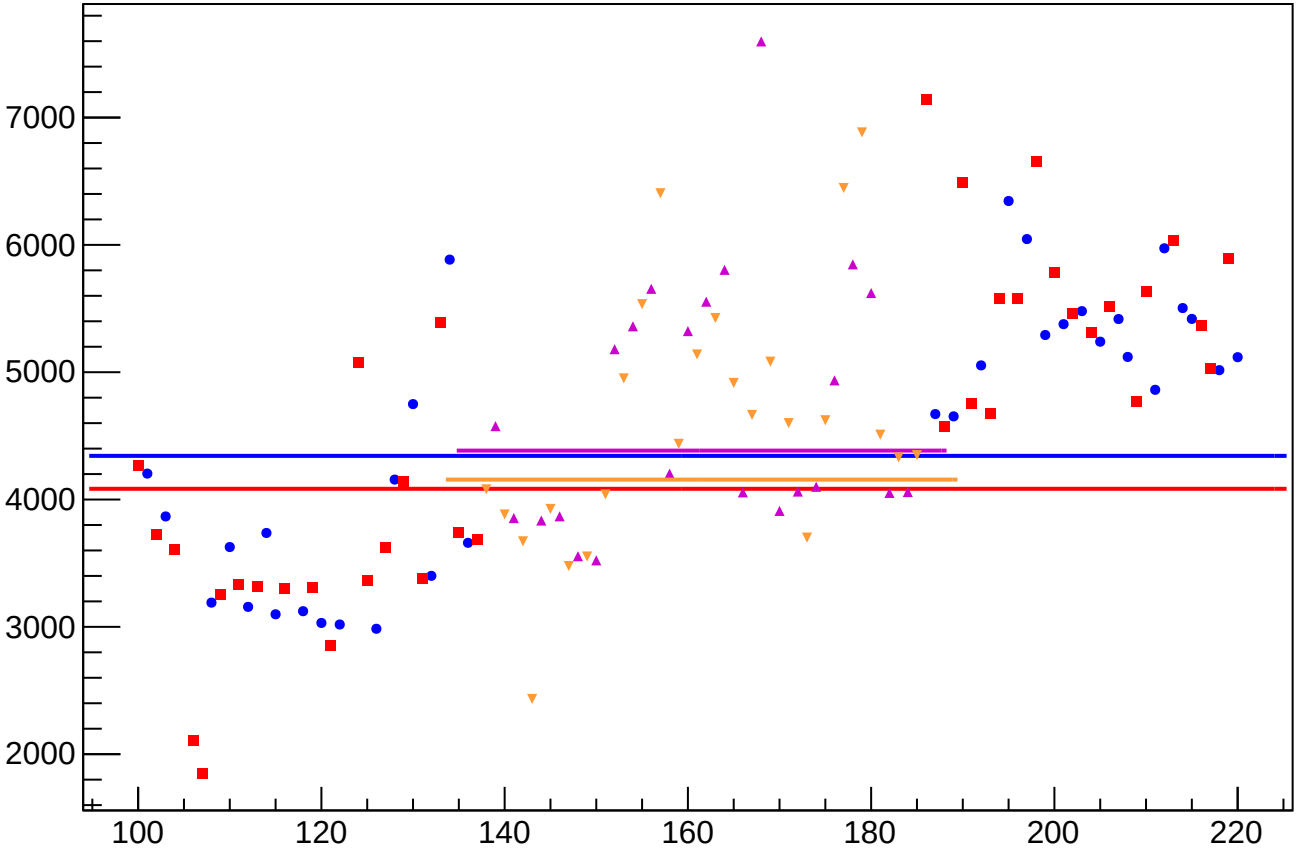
Right: 63.064+/-670.901 χ^2/NDF: 87.2/69

In: -86.298+/-713.007 χ^2/NDF:52.4/55

Out: 145.475+/-671.666 χ^2/NDF:77.2/61

All: 36.502+/-488.902 χ^2/NDF: 129.6/117

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4342.955+/-0.689 χ^2/NDF: 2219134.0/32

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

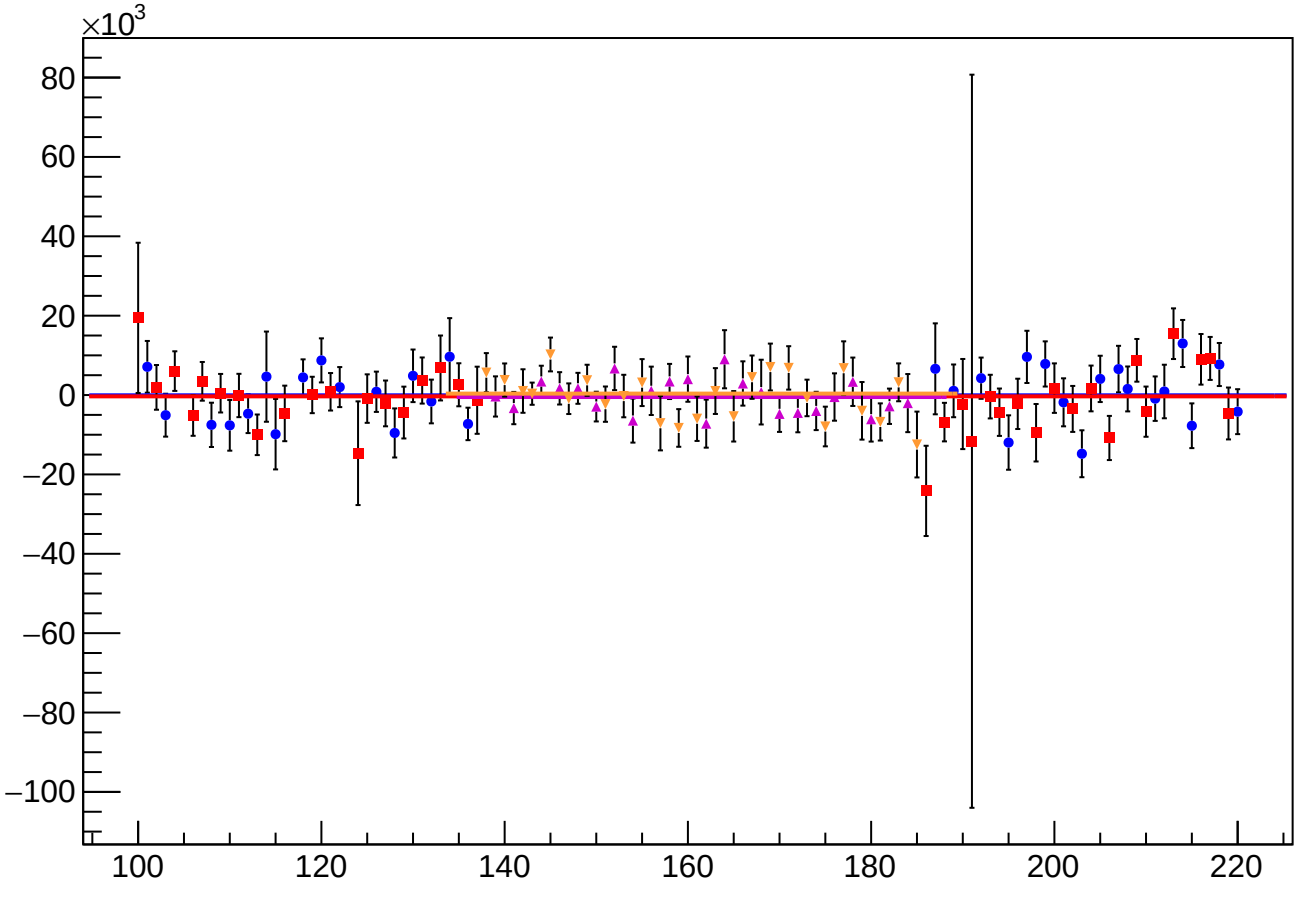
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4206.800+/-0.474 χ^2/NDF: 6107859.3/69

In: 4362.198+/-0.504 χ^2/NDF:3476284.4/55

Out: 4118.448+/-0.475 χ^2/NDF:5901156.3/61

All: 4233.052+/-0.346 χ^2/NDF: 9501282.0/11



Right In: -68.894+/-1023.233 χ^2/NDF: 44.0/32

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -330.825+/-996.314 χ^2/NDF: 39.1/36

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

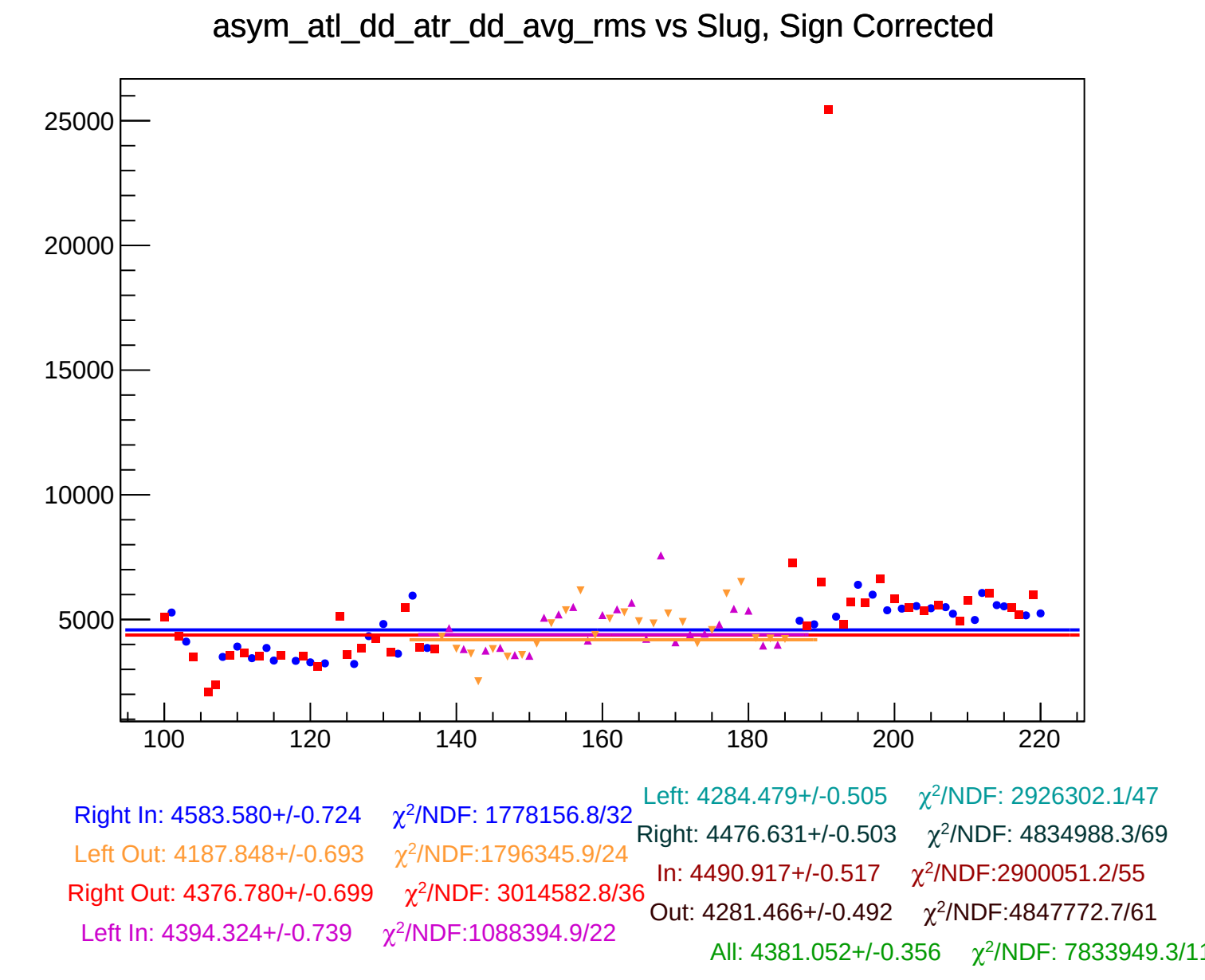
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -203.350+/-713.827 χ^2/NDF: 83.1/69

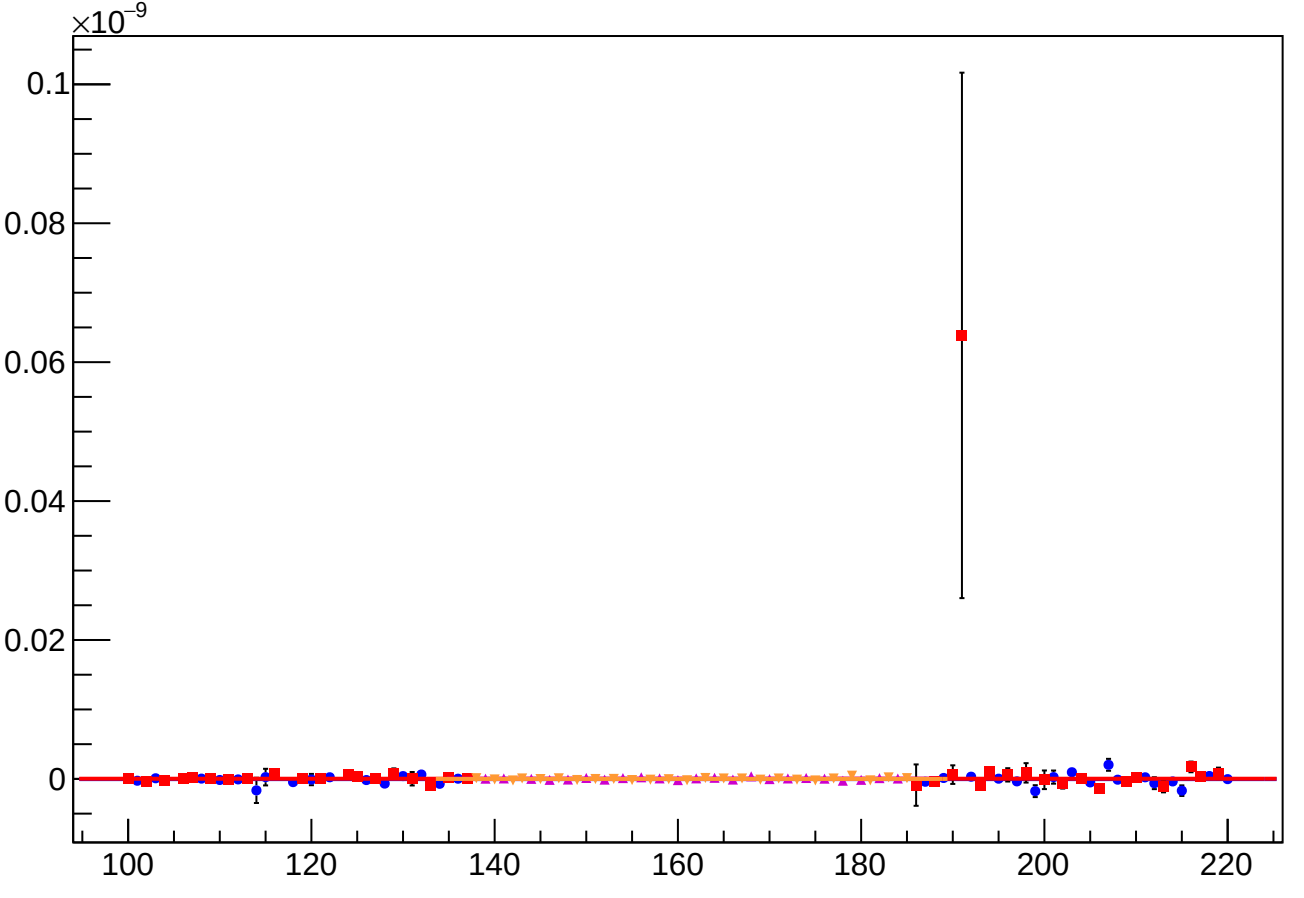
In: -278.757+/-731.009 χ^2/NDF:57.9/55

Out: 21.624+/-698.611 χ^2/NDF:67.0/61

All: -121.763+/-505.057 χ^2/NDF: 125.0/117


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4583.580+/-0.724 χ²/NDF: 1778156.8/32
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4376.780+/-0.699 χ²/NDF: 3014582.8/36
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4476.631+/-0.503 χ²/NDF: 4834988.3/69
In: 4490.917+/-0.517 χ²/NDF:2900051.2/55
Out: 4281.466+/-0.492 χ²/NDF:4847772.7/61
All: 4381.052+/-0.356 χ²/NDF: 7833949.3/11

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

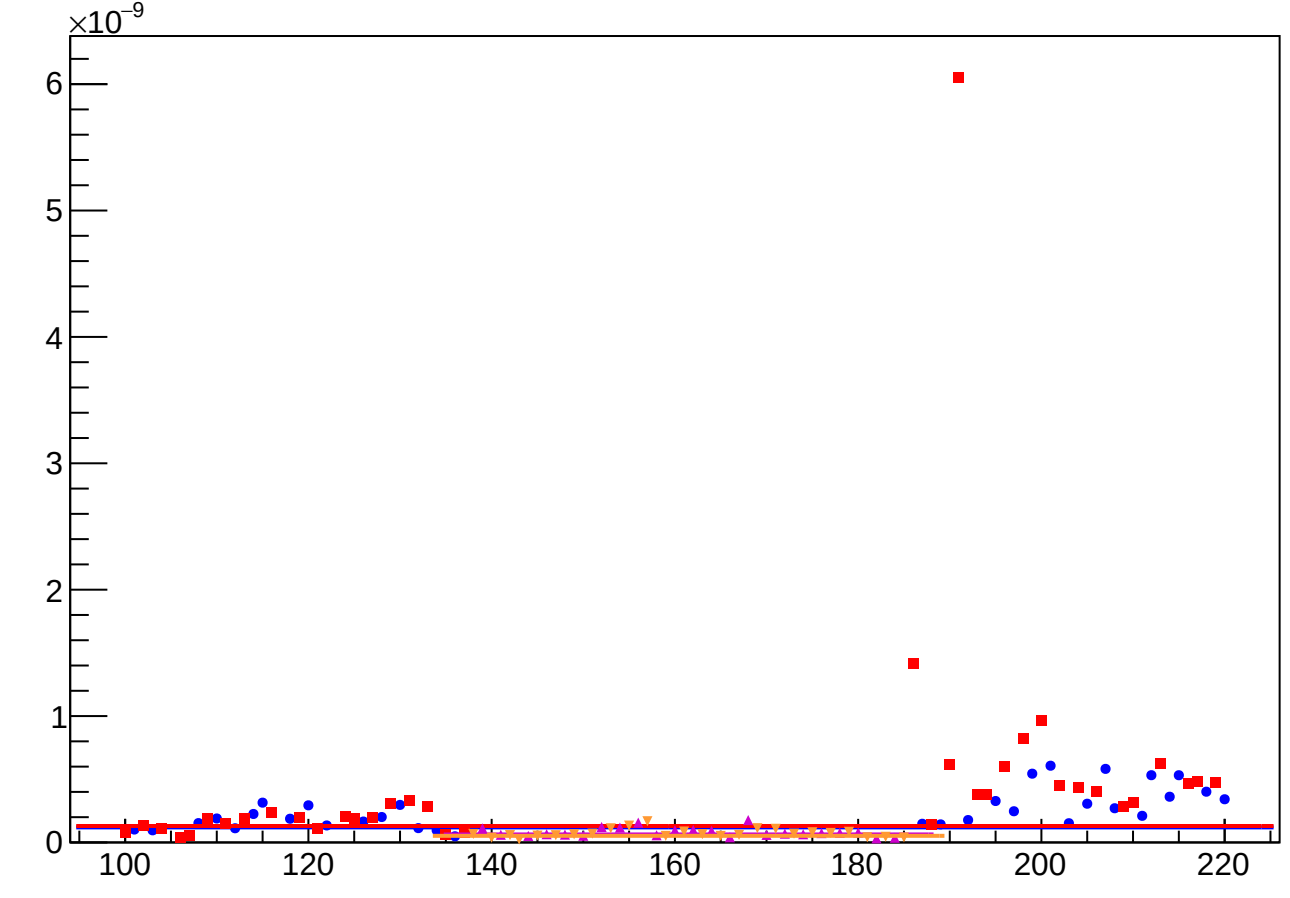
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 82.7/69

In: 0.000+/-0.000 χ^2/NDF:58.6/55

Out: -0.000+/-0.000 χ^2/NDF:72.1/61

All: 0.000+/-0.000 χ^2/NDF: 130.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 6570937.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8717055.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

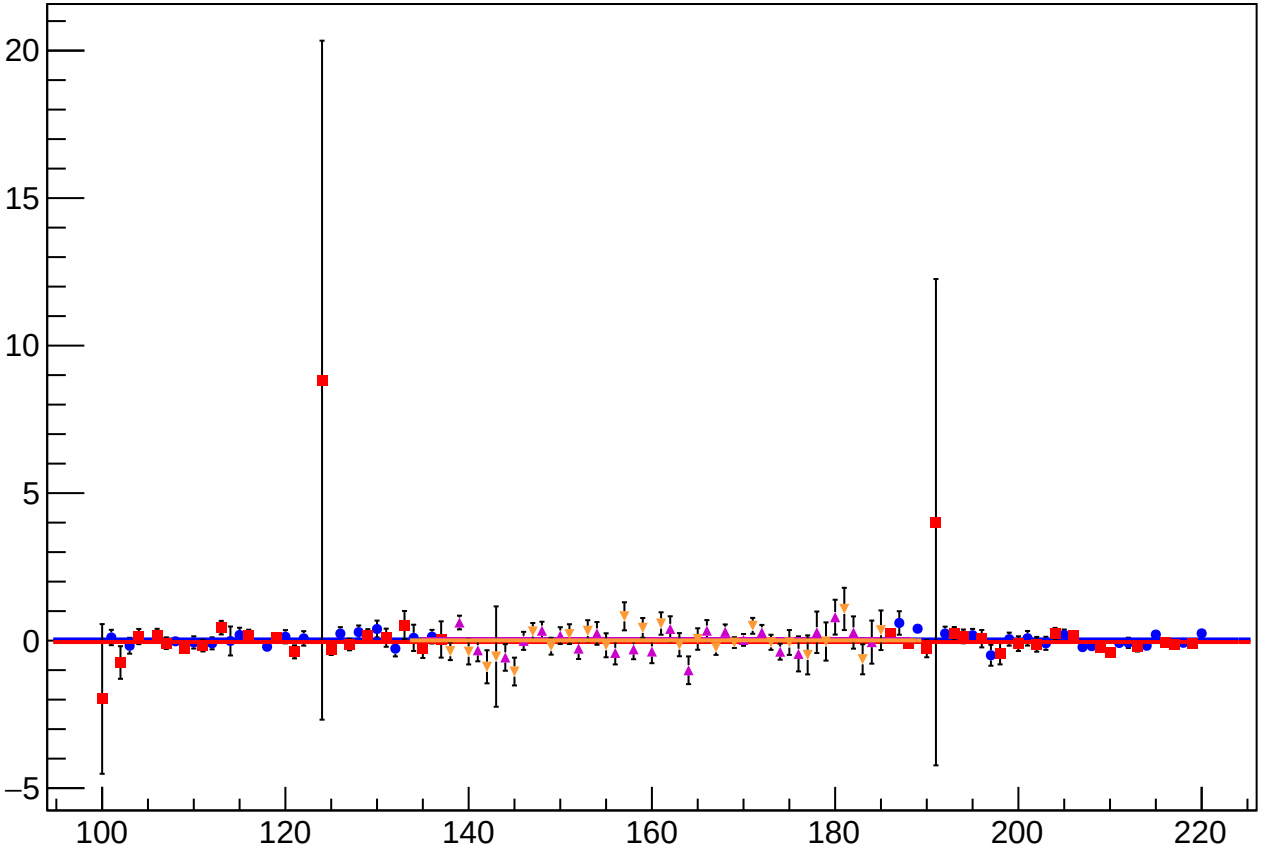
Right: 0.000+/-0.000 χ^2/NDF: 15325695.9/69

In: 0.000+/-0.000 χ^2/NDF:10097154.6/55

Out: 0.000+/-0.000 χ^2/NDF:14361819.7/61

All: 0.000+/-0.000 χ^2/NDF: 24748481.2/117

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

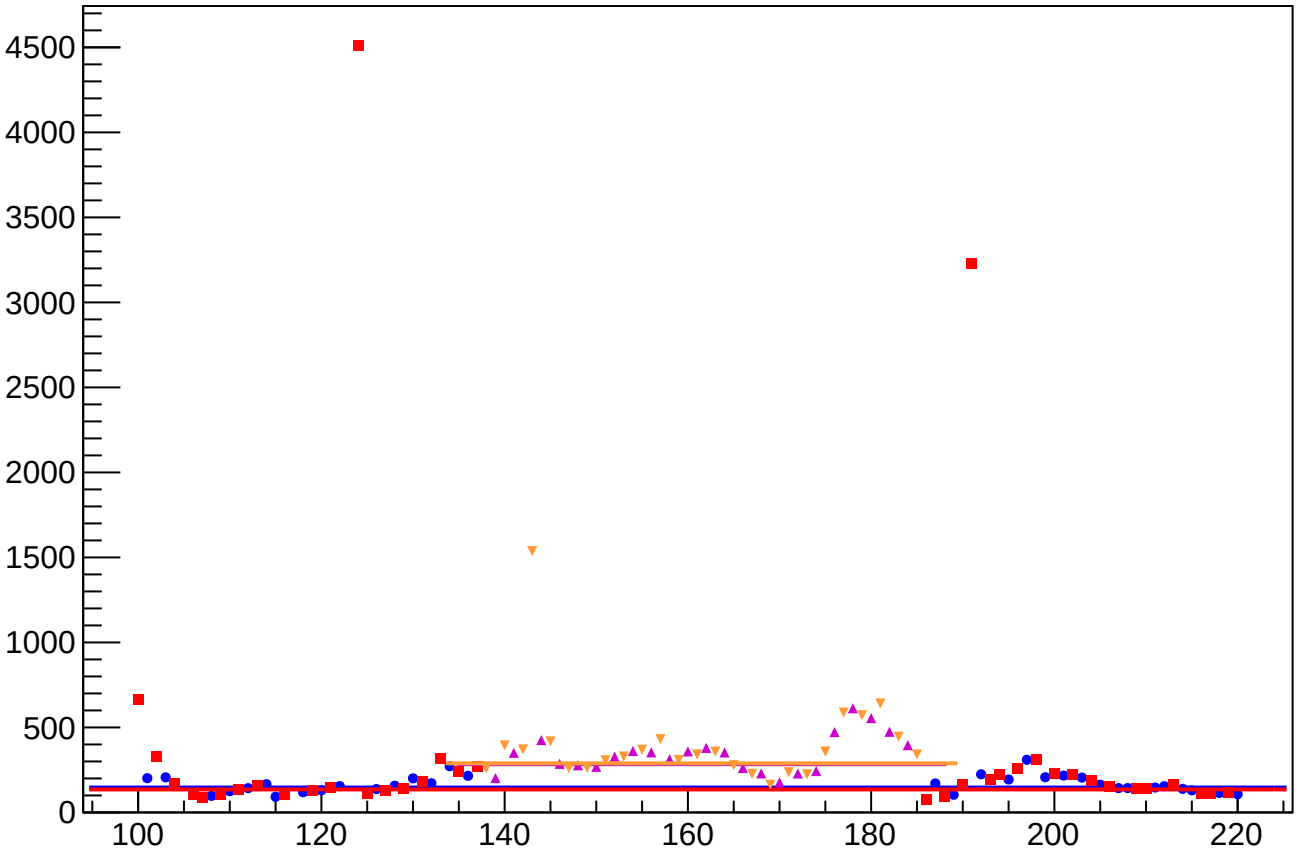
Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

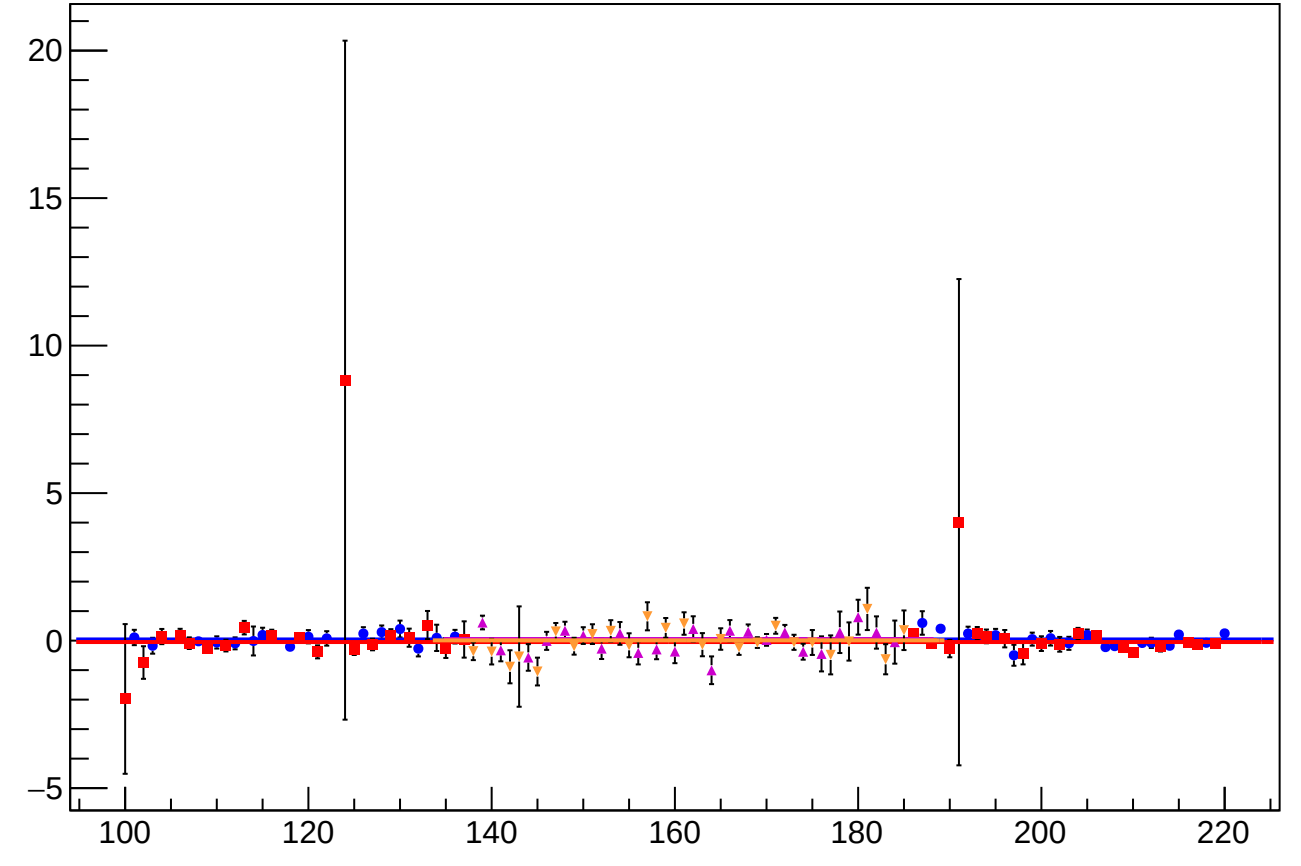
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 140.630+/-0.016 χ^2/NDF: 7831323.4/69

In: 172.145+/-0.022 χ^2/NDF:12085358.3/55

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

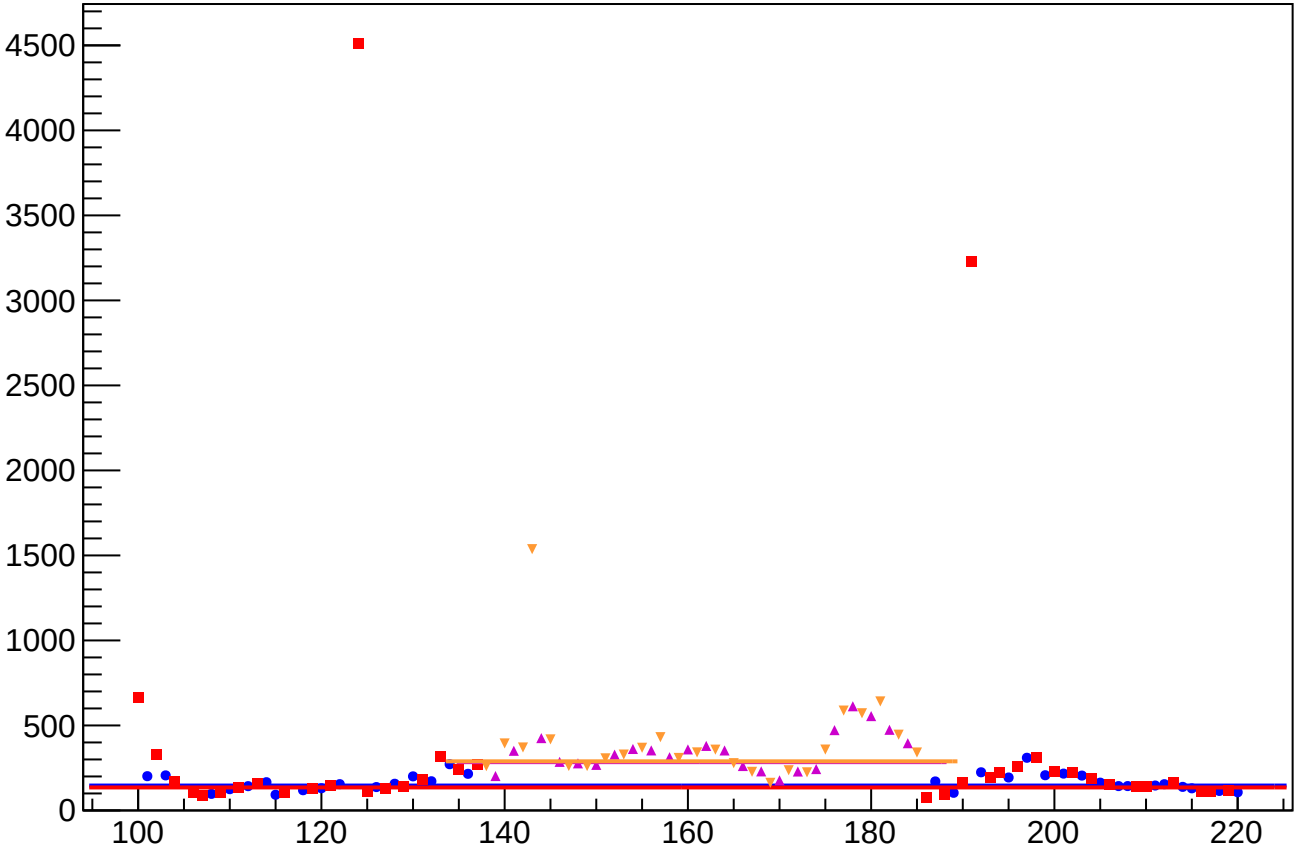
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

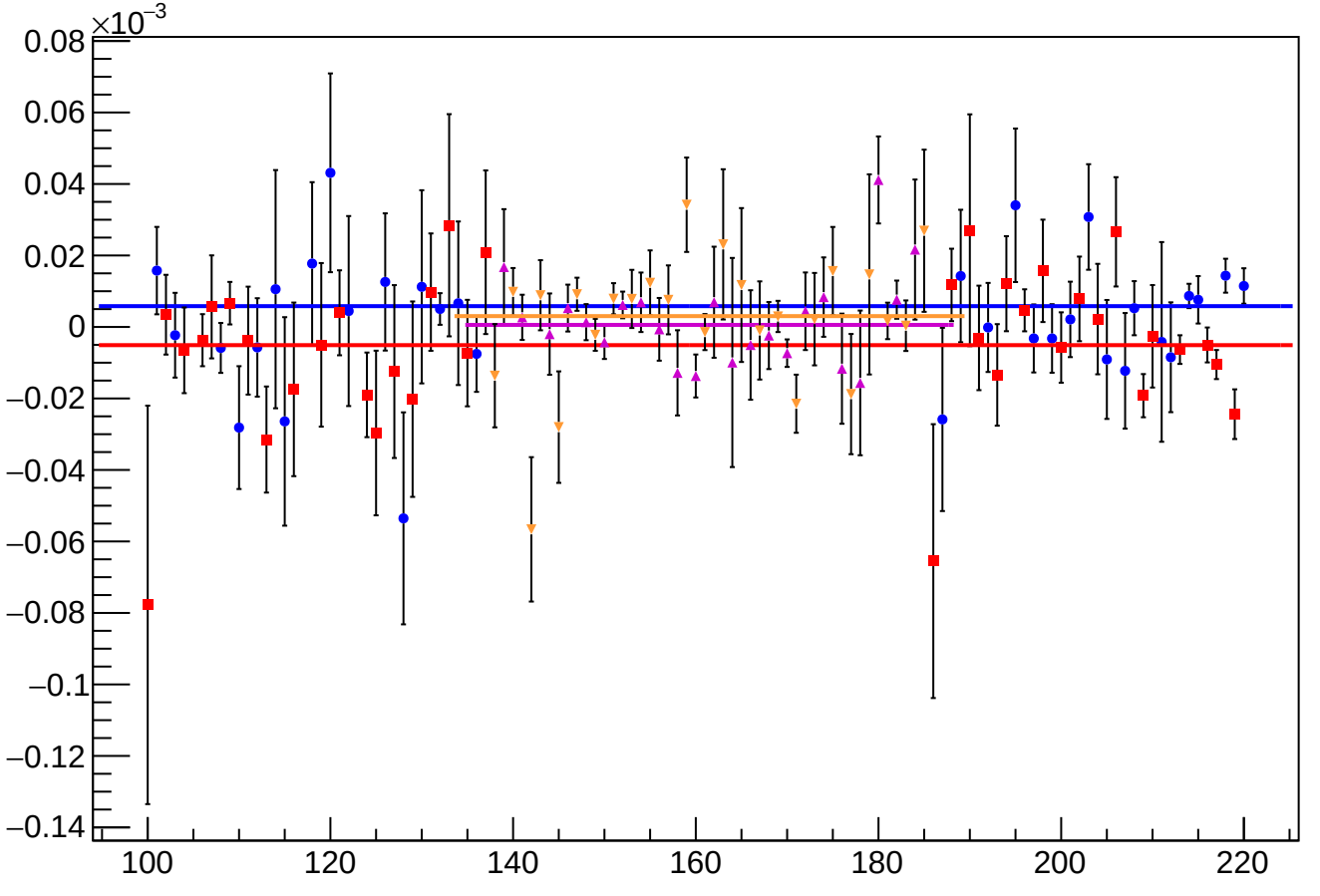
Right: 140.630+/-0.016 χ^2/NDF: 7831323.4/69

In: 172.145+/-0.022 χ^2/NDF:12085358.3/55

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

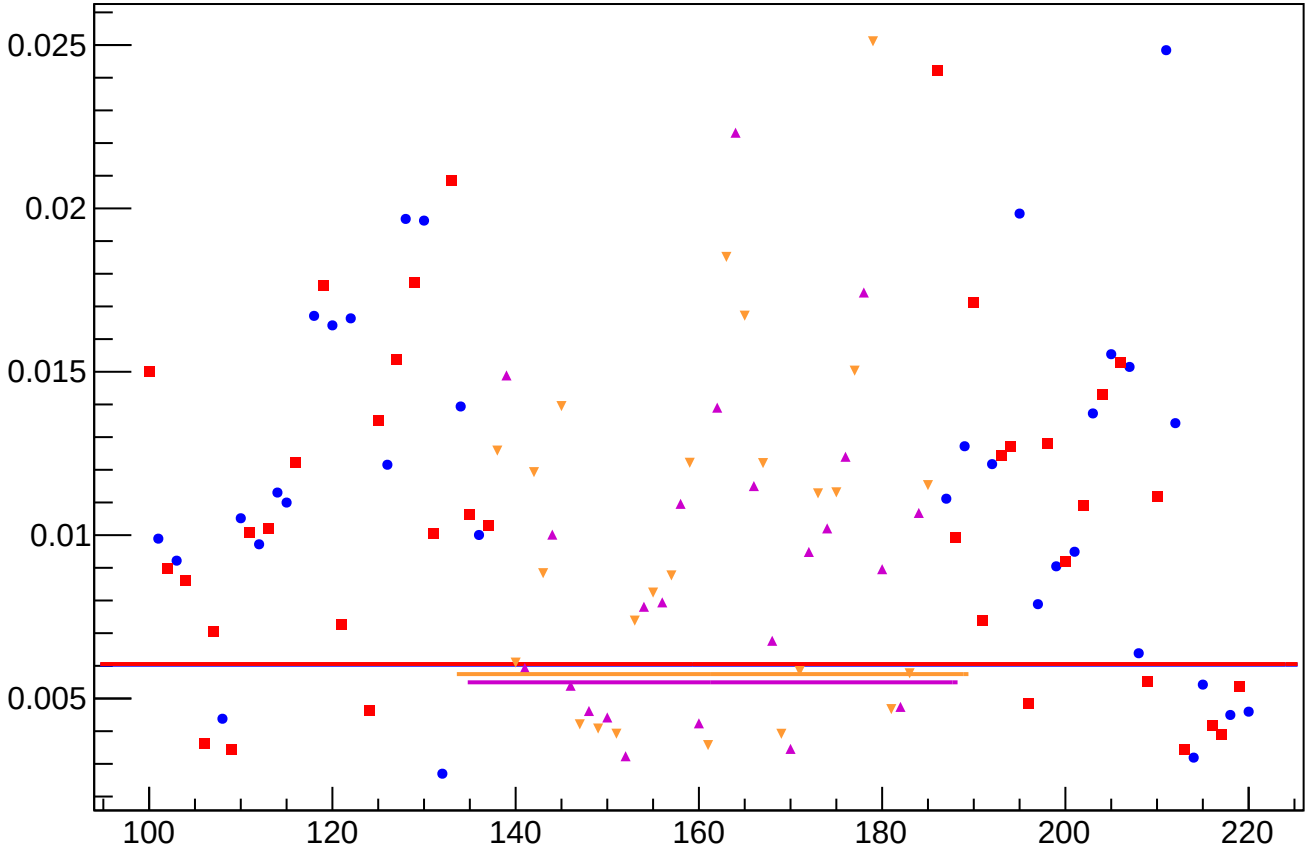
Right: 0.000+/-0.000 χ^2/NDF: 109.3/69

In: 0.000+/-0.000 χ^2/NDF:73.3/55

Out: -0.000+/-0.000 χ^2/NDF:107.1/61

All: 0.000+/-0.000 χ^2/NDF: 187.1/117

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 11804534.2/32

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

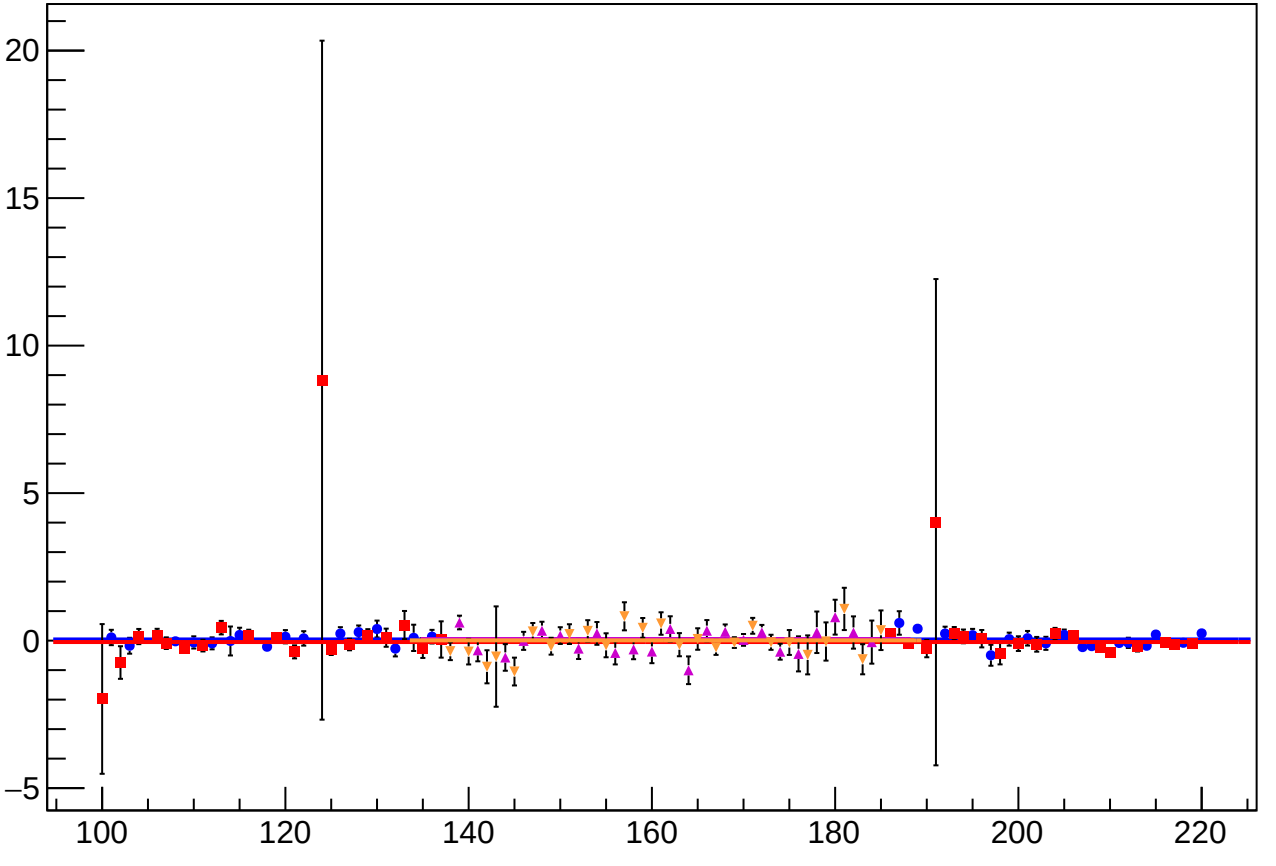
Right: 0.006+/-0.000 χ^2/NDF: 21672510.2/69

In: 0.006+/-0.000 χ^2/NDF:18861514.1/55

Out: 0.006+/-0.000 χ^2/NDF:18036488.4/61

All: 0.006+/-0.000 χ^2/NDF: 36916190.5/117

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

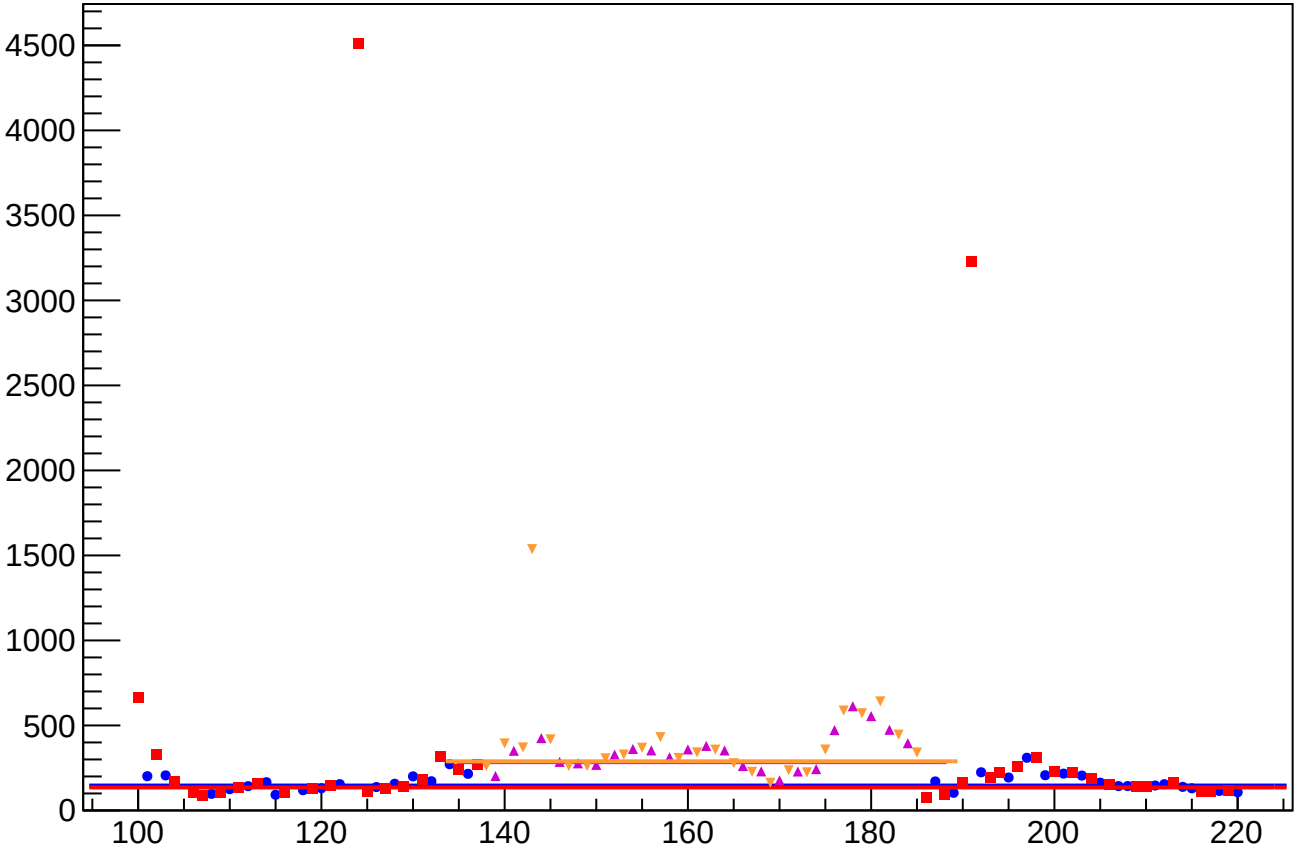
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

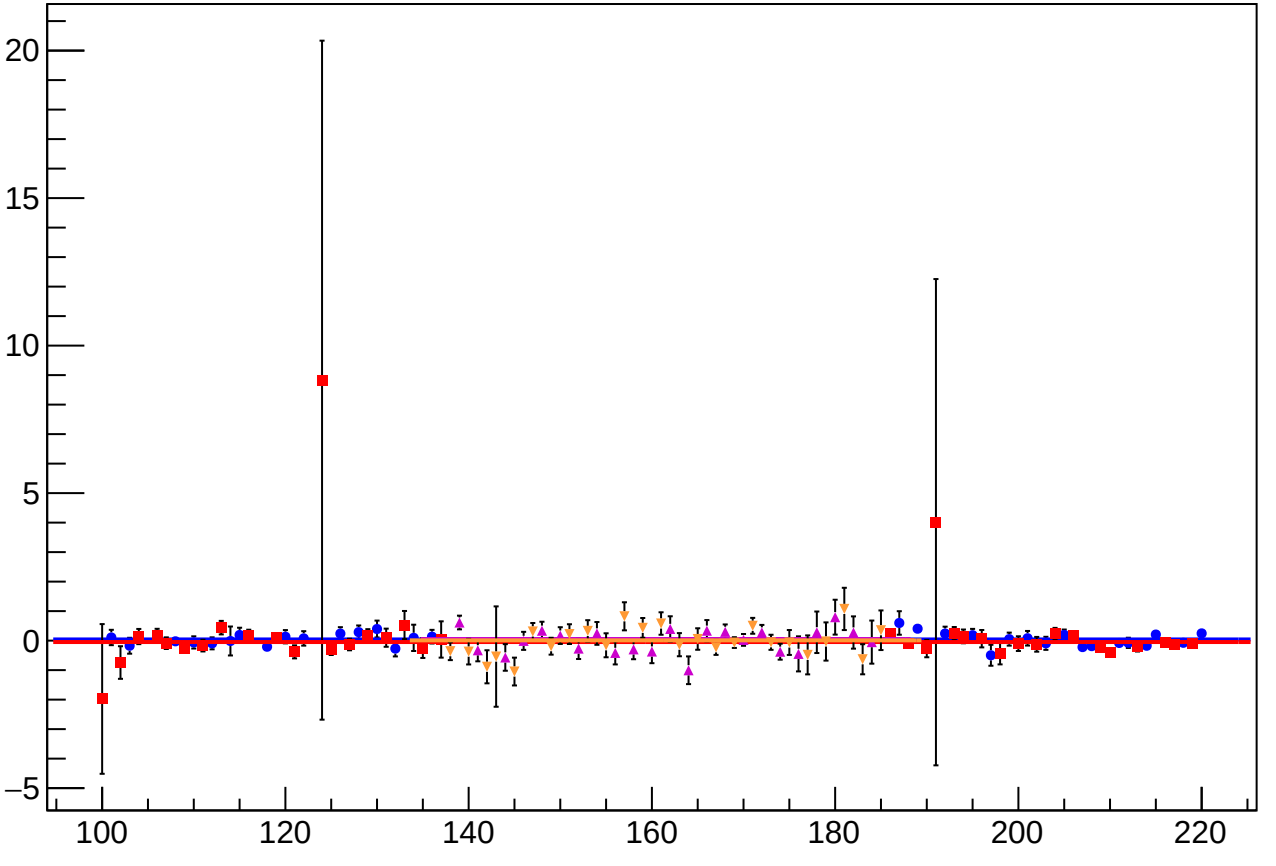
Right: 140.631+/-0.016 χ^2/NDF: 7831119.5/69

In: 172.146+/-0.022 χ^2/NDF:12085505.2/55

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/11

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

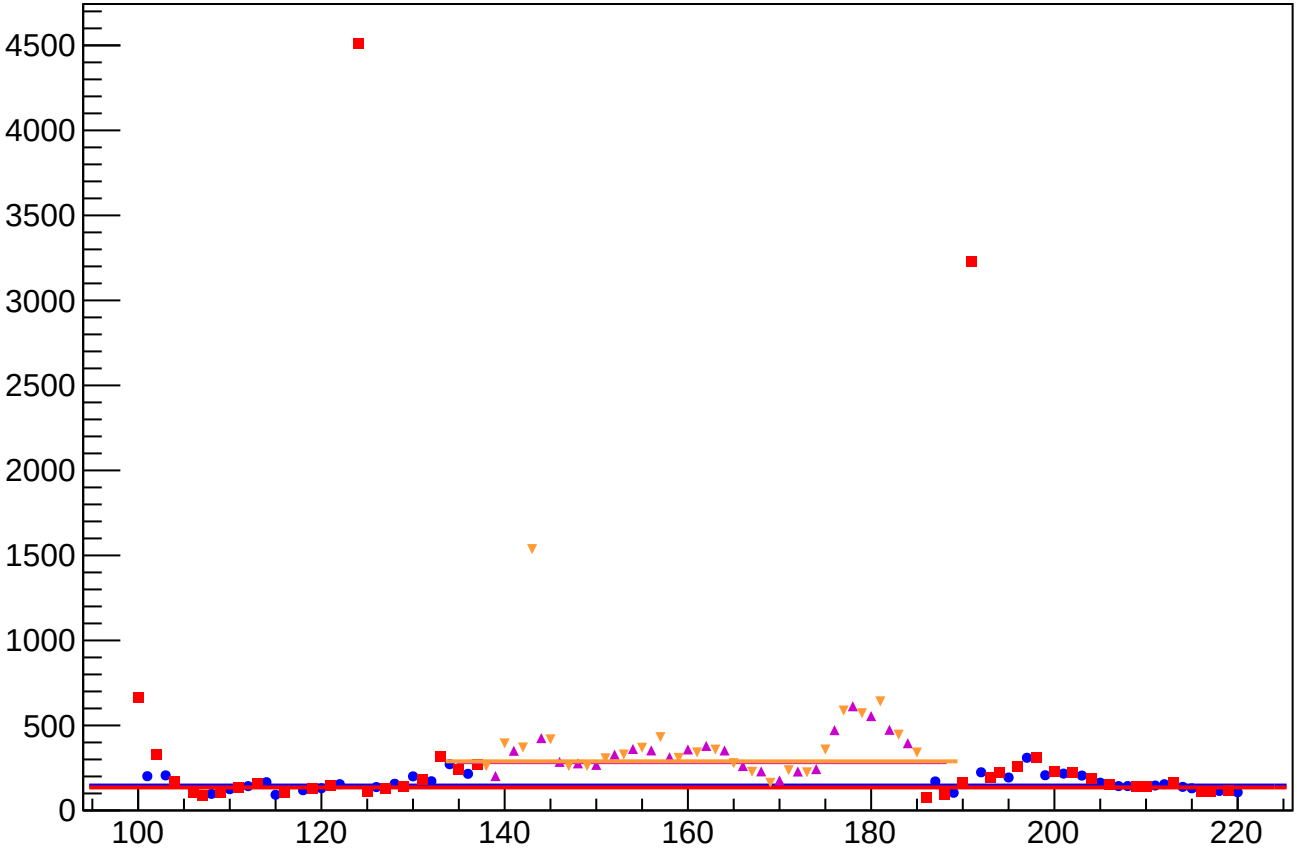
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

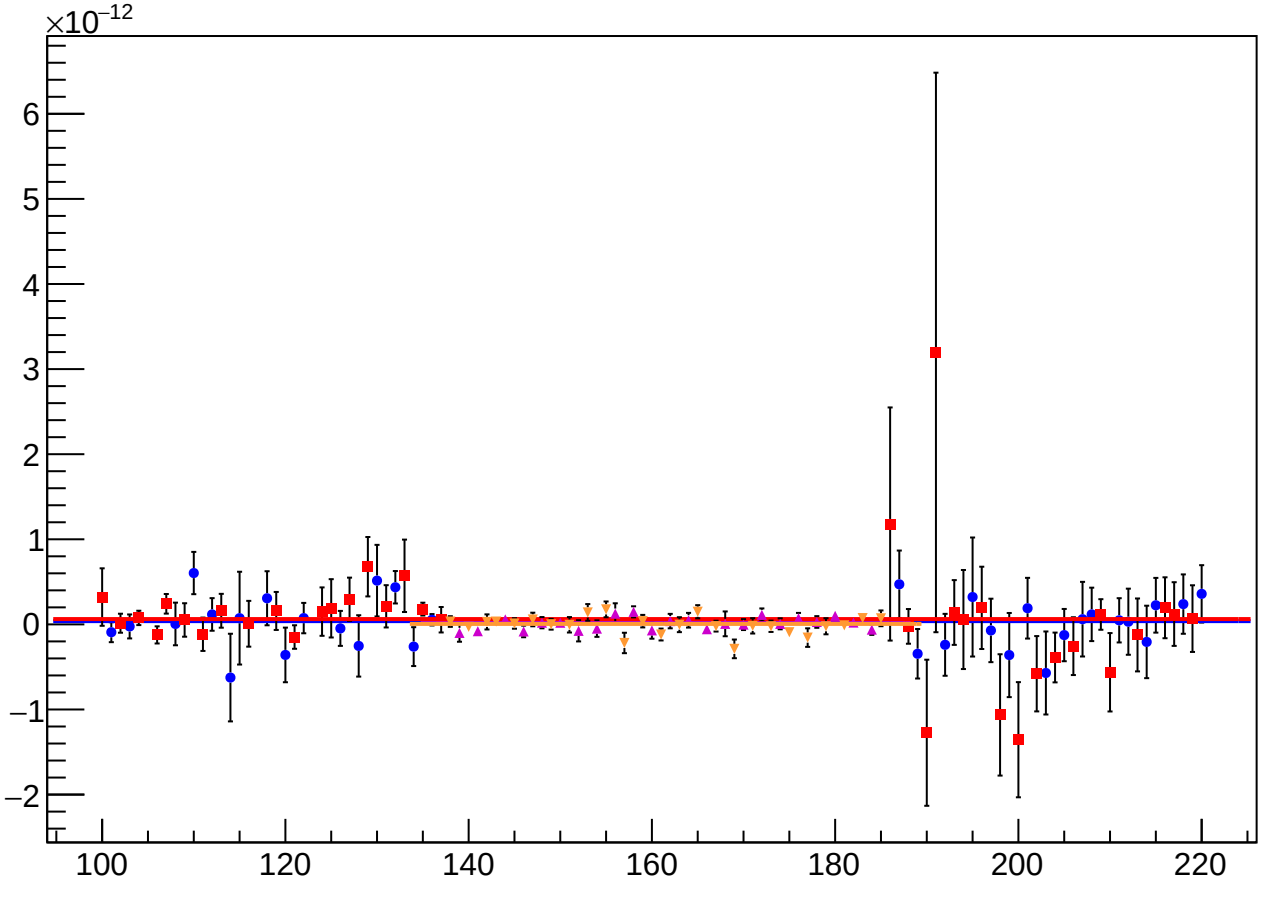
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 140.631+/-0.016 χ^2/NDF: 7831119.5/69

In: 172.146+/-0.022 χ^2/NDF:12085505.2/55

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/11



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

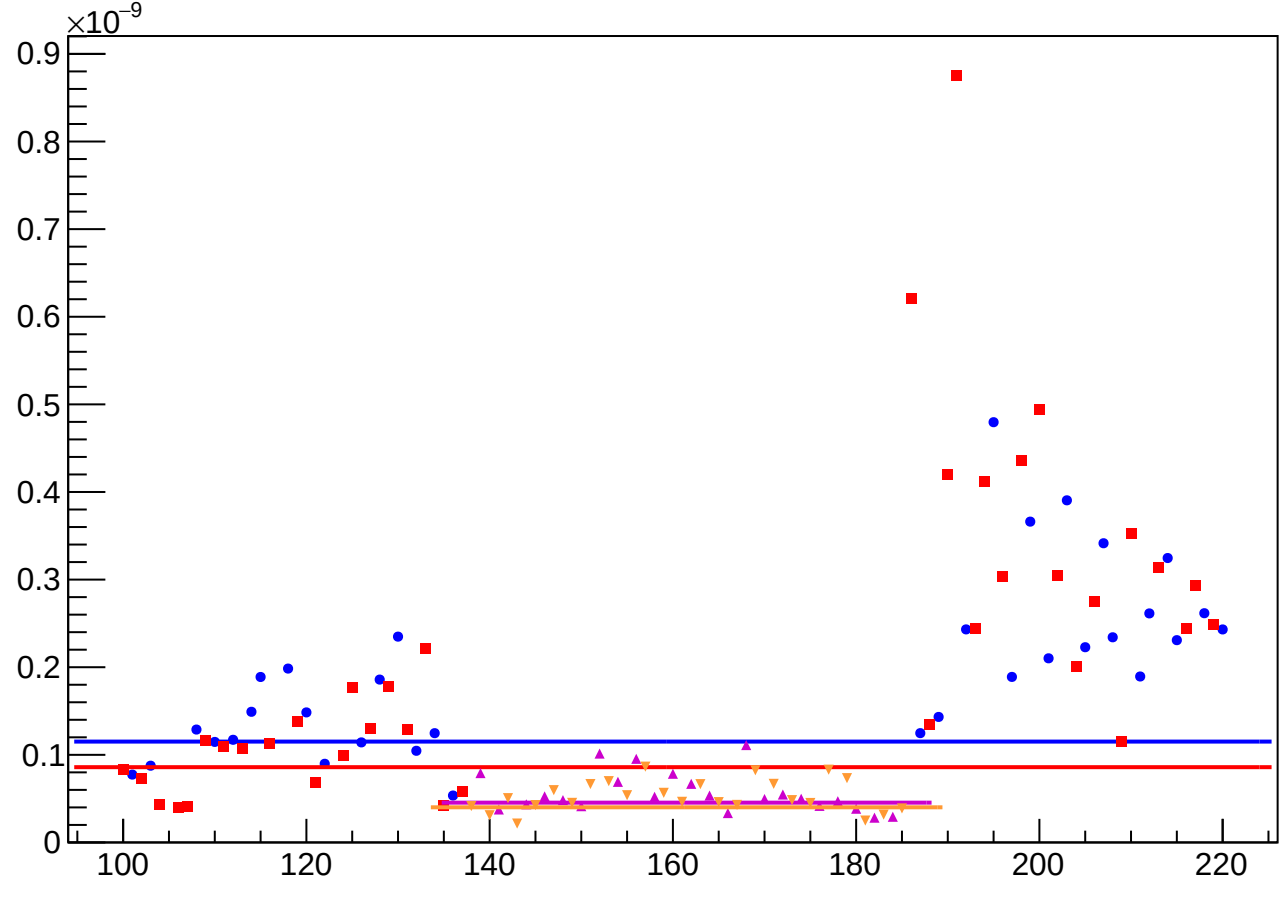
Right: 0.000+/-0.000 χ^2/NDF: 65.1/69

In: 0.000+/-0.000 χ^2/NDF:51.0/55

Out: 0.000+/-0.000 χ^2/NDF:74.4/61

All: 0.000+/-0.000 χ^2/NDF: 125.4/117

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: 7555894.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

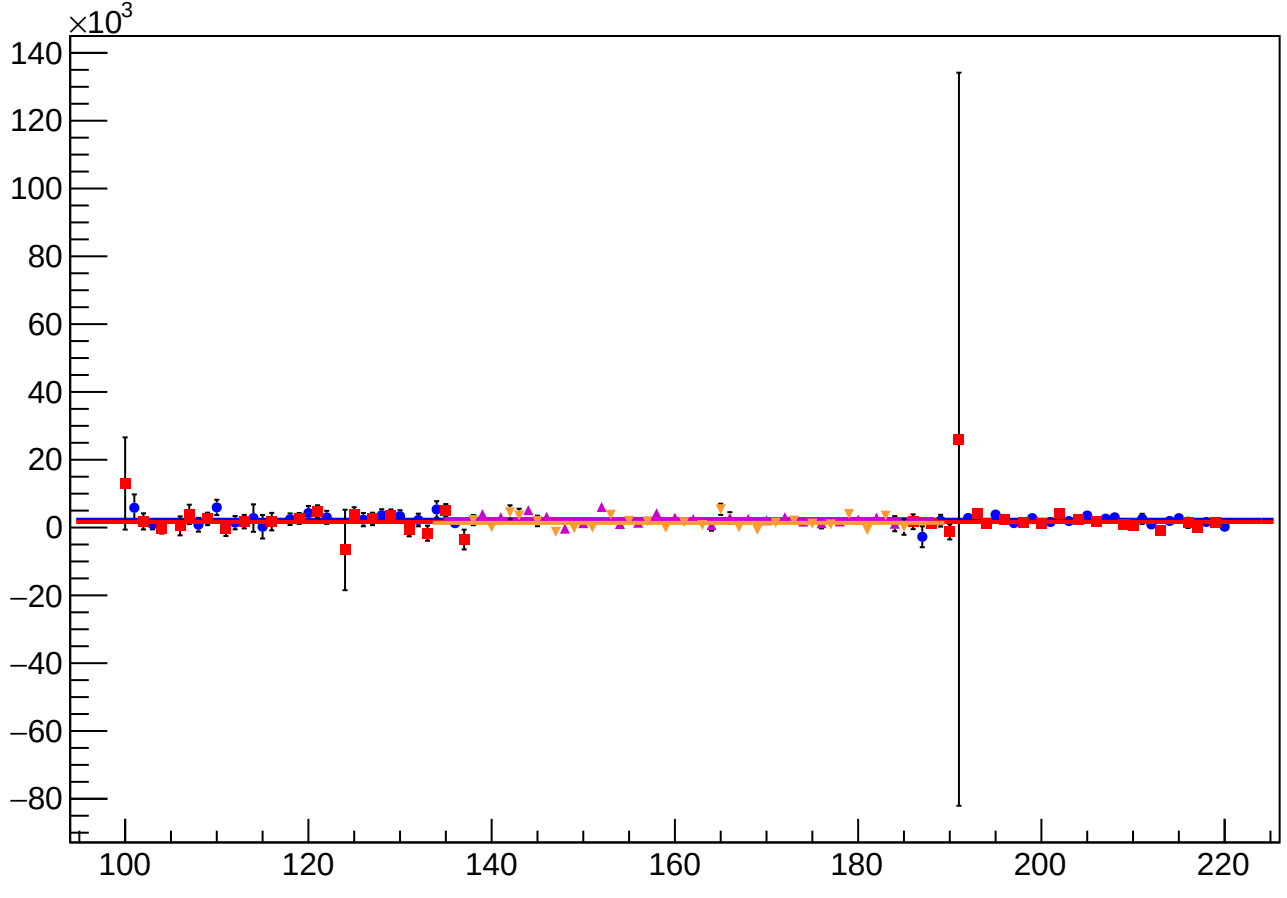
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18614914.4/69

In: 0.000+/-0.000 χ^2/NDF:16190510.1/55

Out: 0.000+/-0.000 χ^2/NDF:17587192.4/61

All: 0.000+/-0.000 χ^2/NDF: 34126819.7/117



Right In: 2313.647+/-284.790 χ^2/NDF: 19.0/32

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1641.030+/-286.303 χ^2/NDF: 34.4/36

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

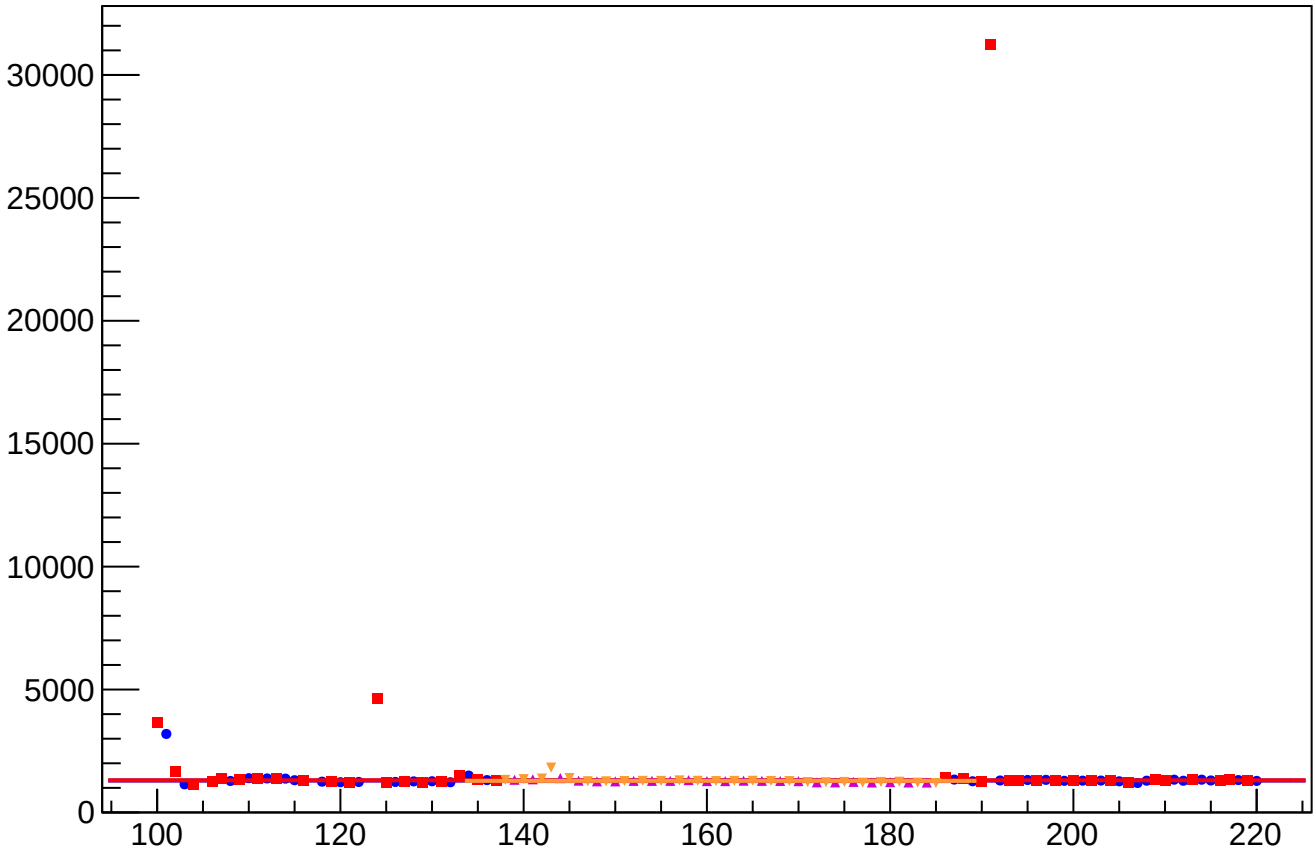
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 1979.121+/-201.910 χ^2/NDF: 56.2/69

In: 2411.813+/-205.920 χ^2/NDF:41.7/55

Out: 1515.022+/-204.697 χ^2/NDF:67.7/61

All: 1960.747+/-145.173 χ^2/NDF: 119.0/117



Right In: 1298.193+/-0.201 χ^2/NDF: 535449.6/32

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1307.738+/-0.202 χ^2/NDF: 507123.4/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

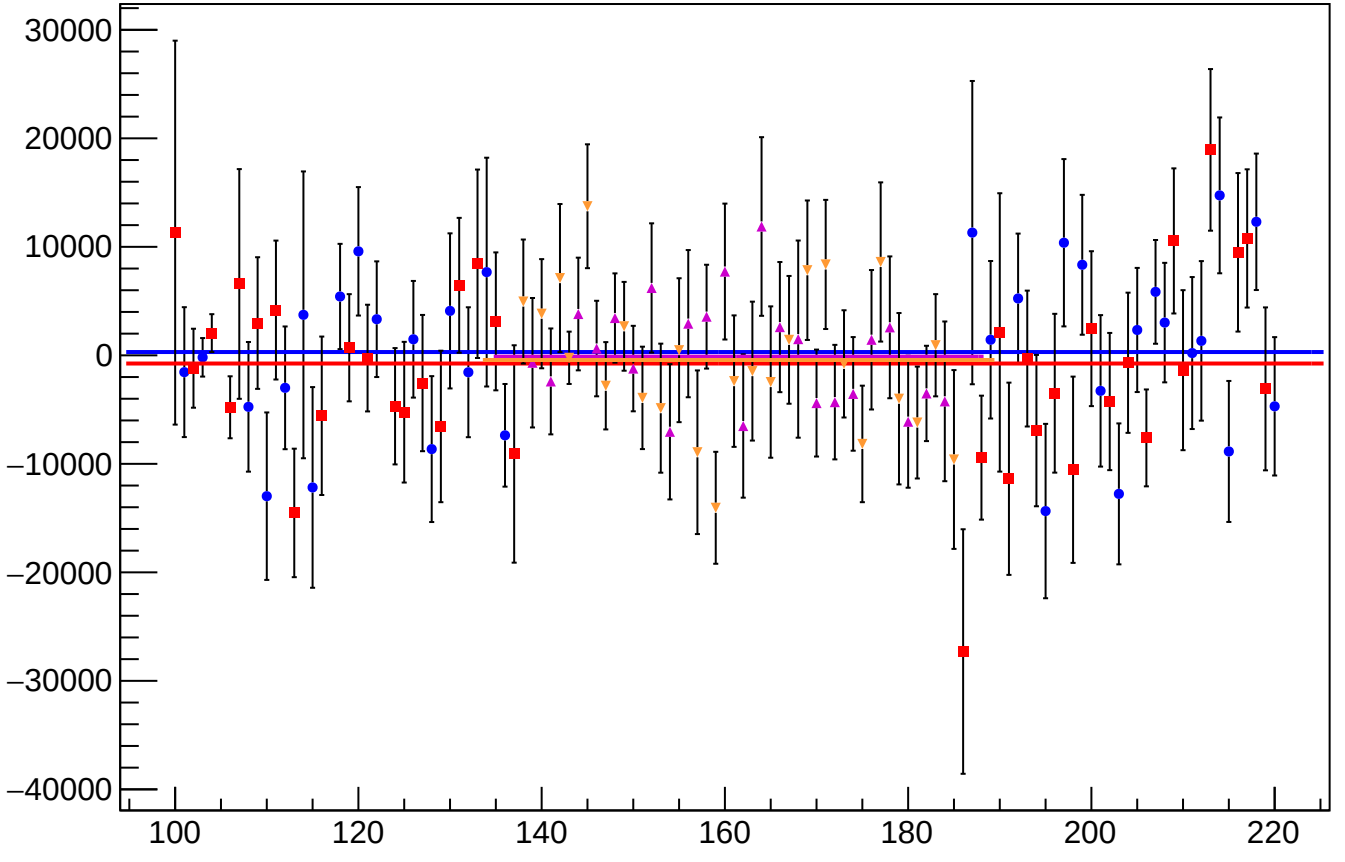
Right: 1302.945+/-0.143 χ^2/NDF: 1043691.4/69

In: 1287.575+/-0.146 χ^2/NDF:582675.4/55

Out: 1296.951+/-0.145 χ^2/NDF:703975.4/61

All: 1292.293+/-0.103 χ^2/NDF: 1288737.3/11

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 304.973+/-955.820 χ^2/NDF: 39.5/32

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -753.935+/-886.655 χ^2/NDF: 47.4/36

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

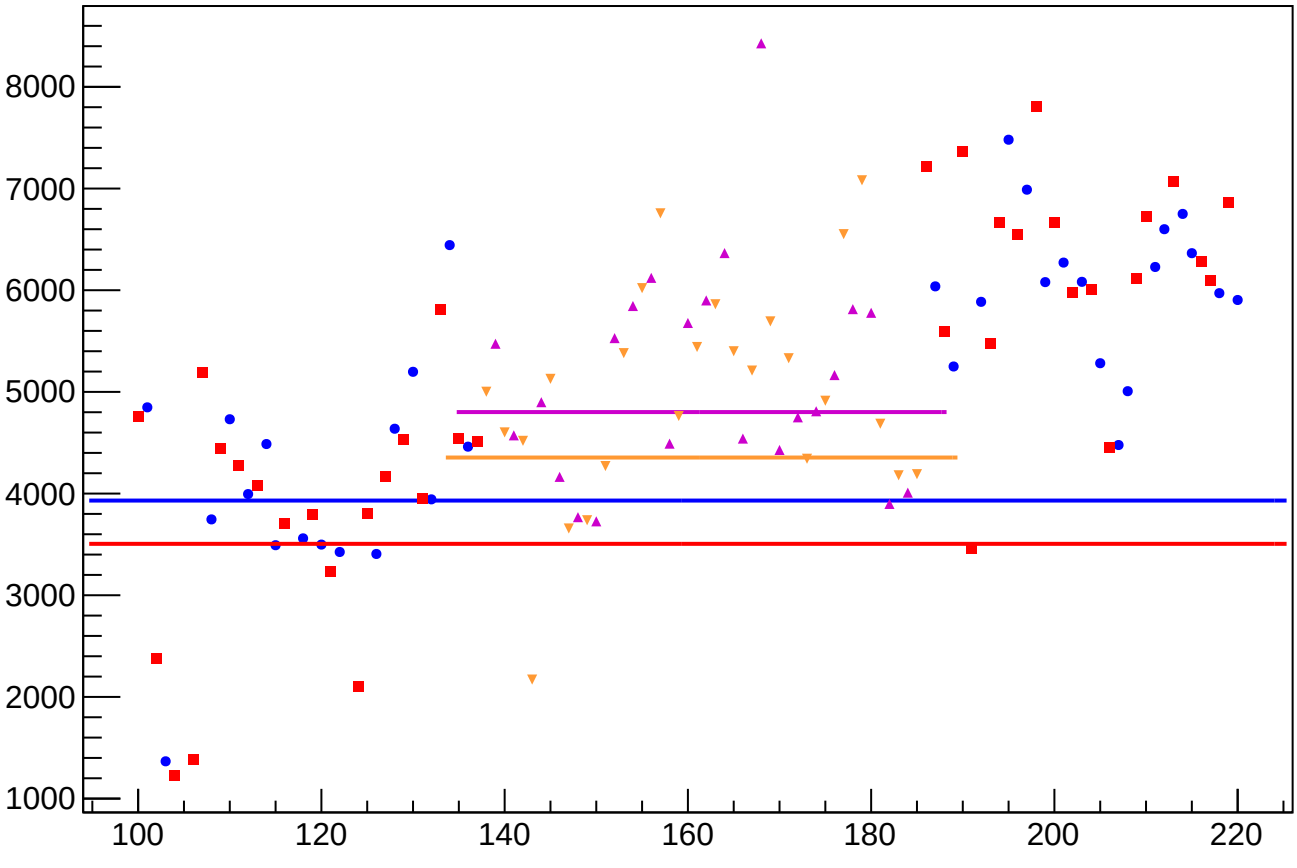
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -264.176+/-650.037 χ^2/NDF: 87.6/69

In: 130.666+/-733.680 χ^2/NDF:53.2/55

Out: -616.669+/-674.190 χ^2/NDF:77.3/61

All: -274.524+/-496.425 χ^2/NDF: 131.1/117



Right In: 3931.287+/-0.676 χ^2/NDF: 7914676.5/32

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3505.594+/-0.627 χ^2/NDF: 10670159.0/36

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

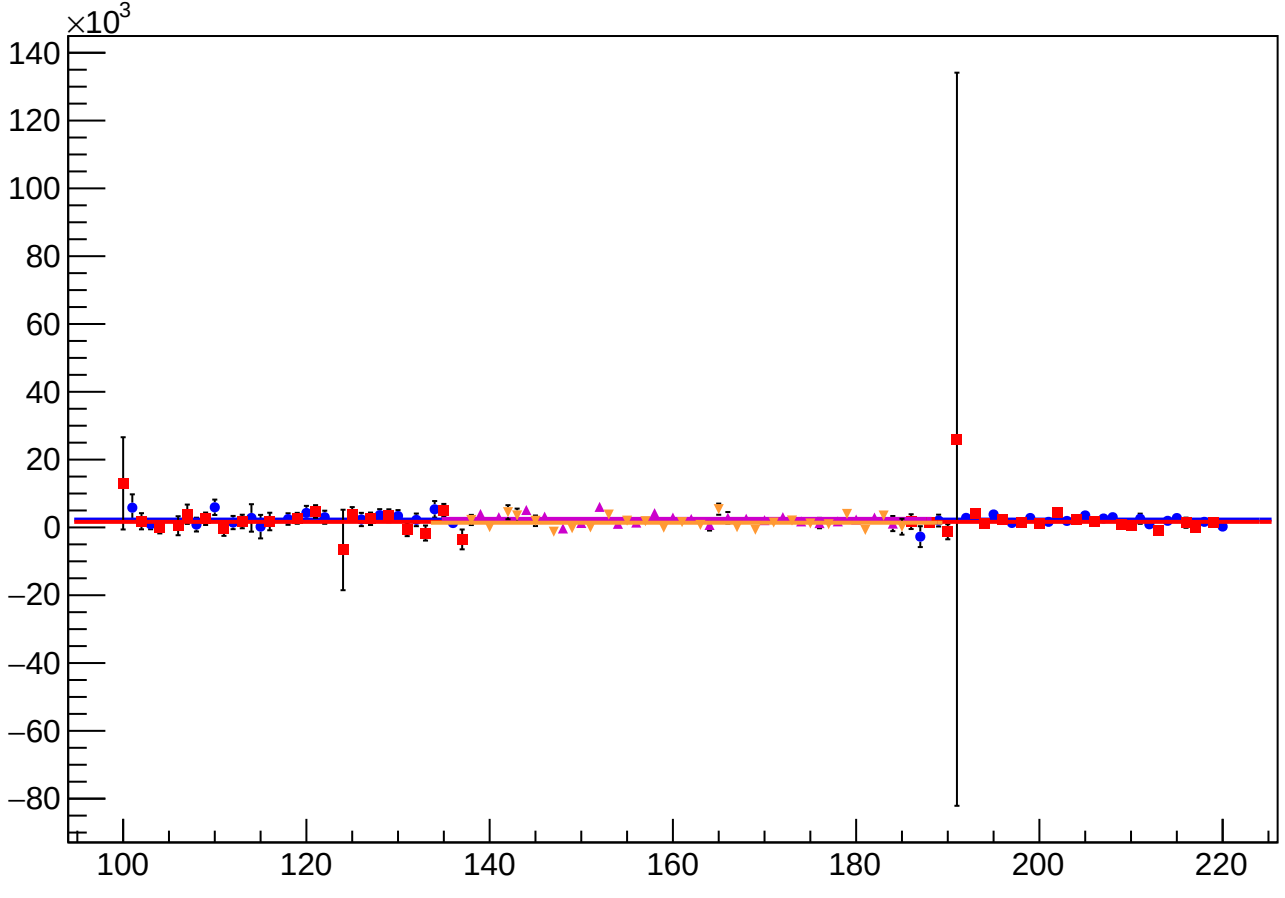
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3702.483+/-0.460 χ^2/NDF: 18798060.3/69

In: 4288.802+/-0.519 χ^2/NDF:9827698.6/55

Out: 3863.699+/-0.477 χ^2/NDF:14514996.9/61

All: 4058.320+/-0.351 χ^2/NDF: 24706735.6/1



Right In: 2313.538+/-284.790 χ^2/NDF: 18.9/32

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1640.971+/-286.303 χ^2/NDF: 34.4/36

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

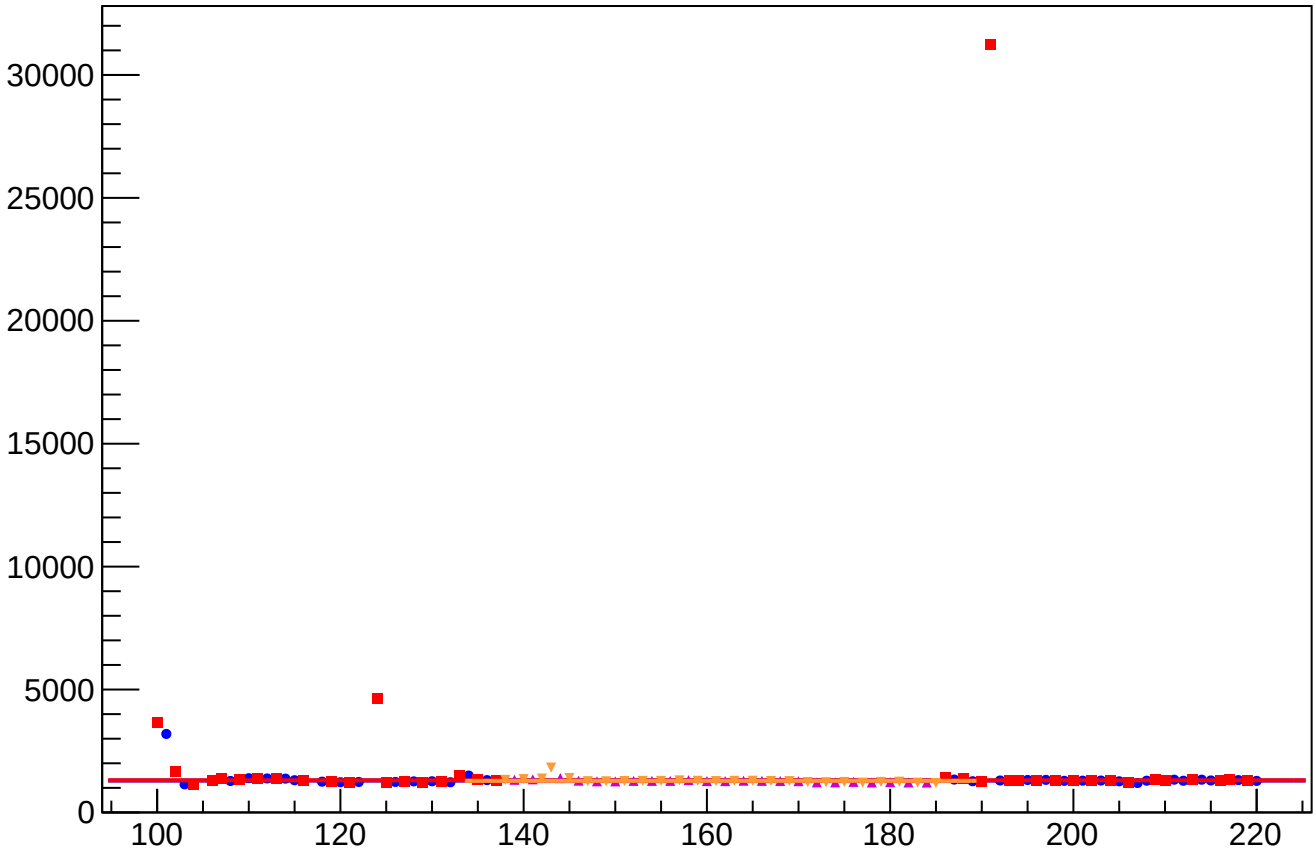
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 1979.037+/-201.910 χ^2/NDF: 56.2/69

In: 2411.756+/-205.920 χ^2/NDF:41.7/55

Out: 1514.960+/-204.697 χ^2/NDF:67.8/61

All: 1960.688+/-145.173 χ^2/NDF: 119.0/117



Right In: 1298.193+/-0.201 χ^2/NDF: 535451.1/32

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

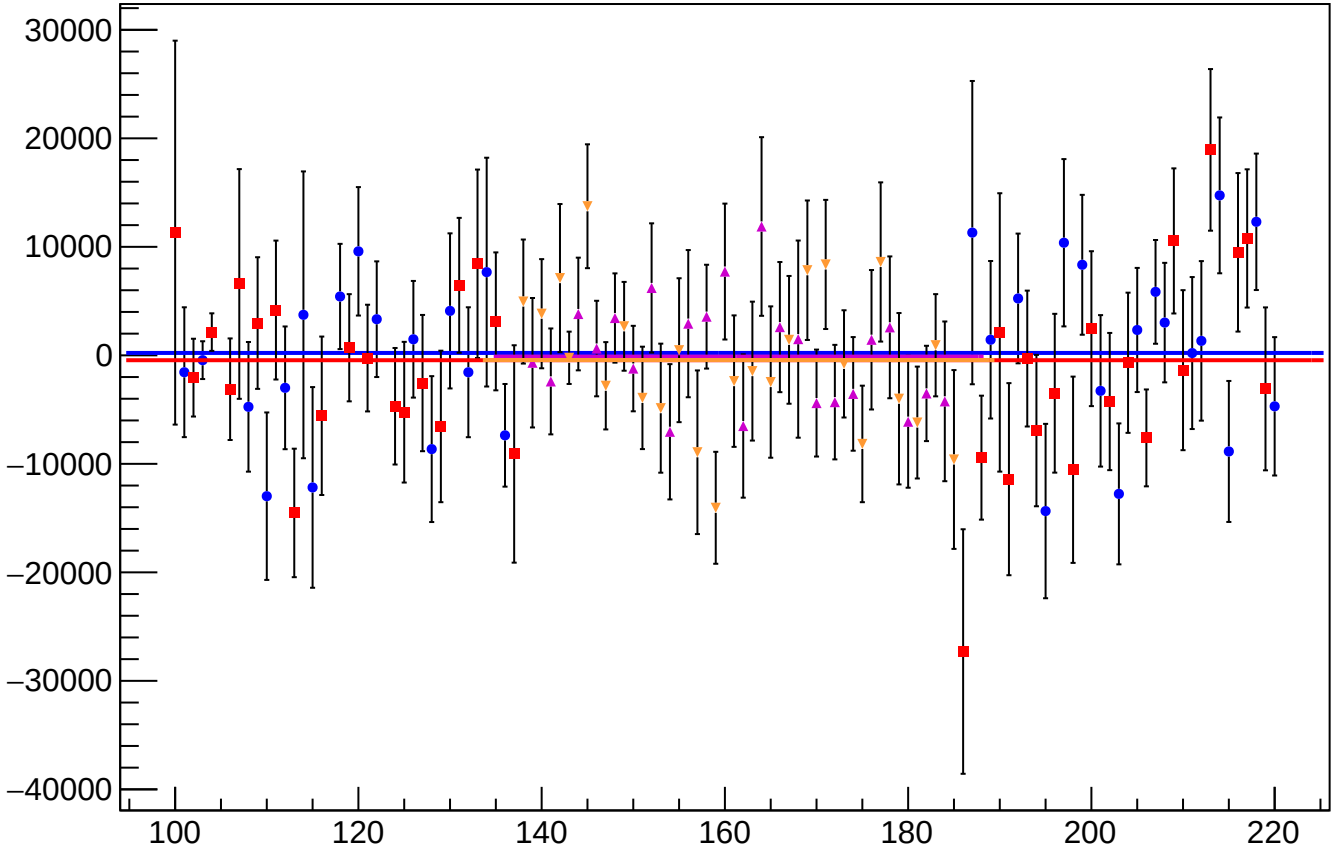
Right: 1303.130+/-0.143 χ^2/NDF: 1043448.1/69

In: 1287.575+/-0.146 χ^2/NDF:582676.8/55

Out: 1297.139+/-0.145 χ^2/NDF:703839.1/61

All: 1292.387+/-0.103 χ^2/NDF: 1288687.0/11

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 221.698+/-950.429 χ^2/NDF: 39.6/32

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -449.292+/-911.556 χ^2/NDF: 45.9/36

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

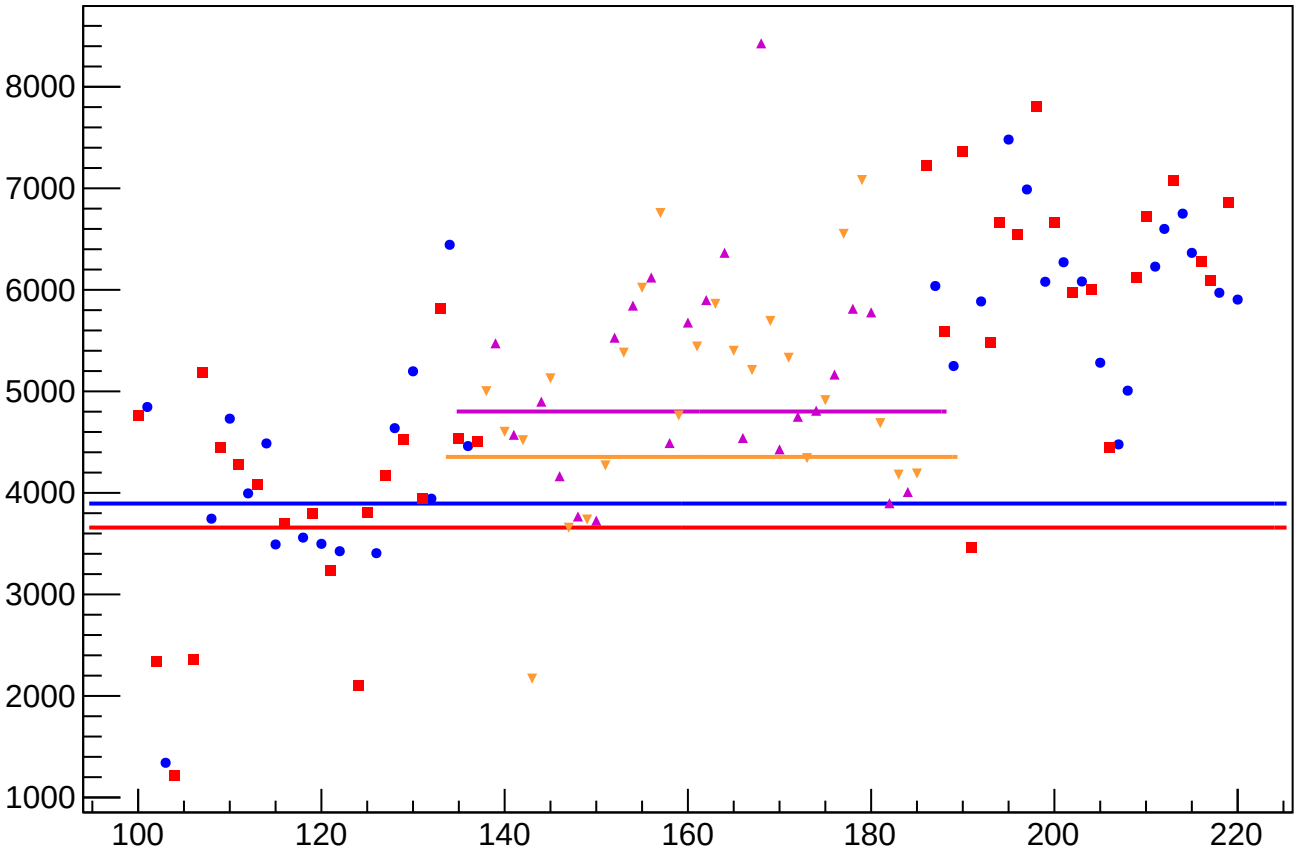
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -127.799+/-657.881 χ^2/NDF: 85.8/69

In: 82.545+/-731.233 χ^2/NDF:53.3/55

Out: -440.250+/-684.944 χ^2/NDF:75.7/61

All: -195.922+/-499.892 χ^2/NDF: 129.3/117



Right In: 3894.934+/-0.672 χ^2/NDF: 8160984.5/32

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3658.517+/-0.645 χ^2/NDF: 9751432.2/36

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

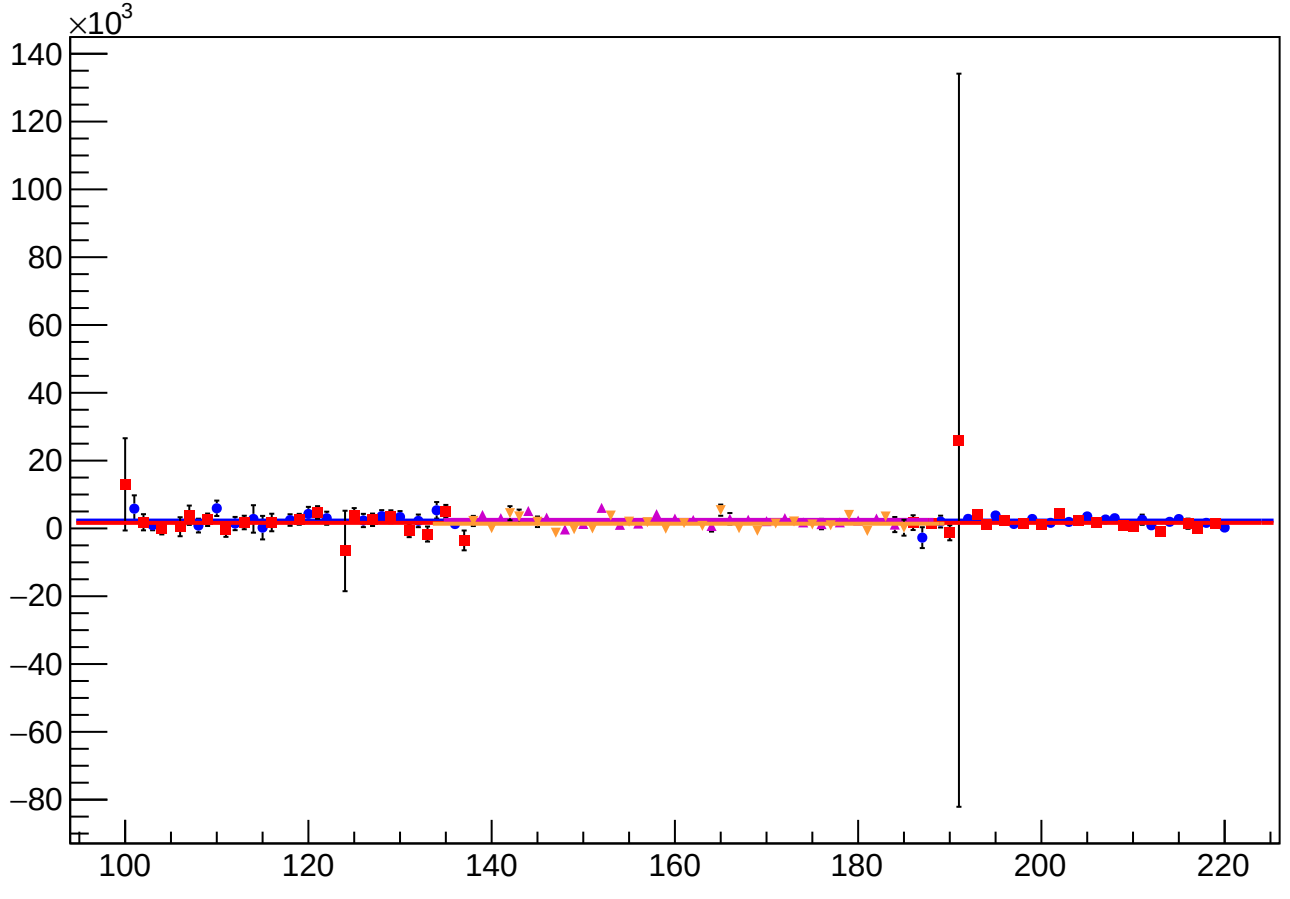
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3771.792+/-0.465 χ^2/NDF: 17976874.4/69

In: 4264.902+/-0.517 χ^2/NDF:10135537.6/55

Out: 3961.550+/-0.484 χ^2/NDF:13330605.2/61

All: 4103.322+/-0.353 χ^2/NDF: 23649482.1/1



Right In: 2313.538+/-284.790 χ^2/NDF: 18.9/32

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1640.971+/-286.303 χ^2/NDF: 34.4/36

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

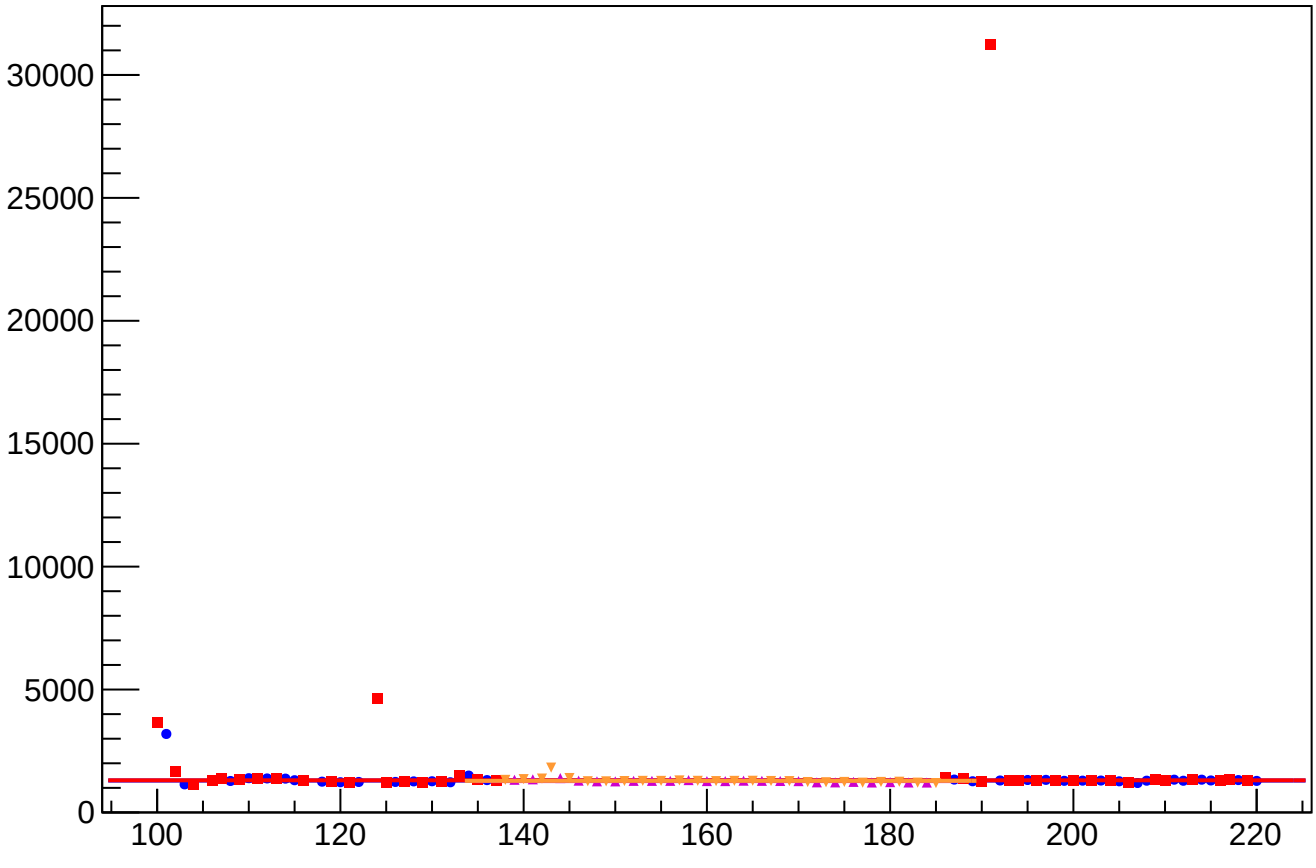
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 1979.037+/-201.910 χ^2/NDF: 56.2/69

In: 2411.756+/-205.920 χ^2/NDF:41.7/55

Out: 1514.960+/-204.697 χ^2/NDF:67.8/61

All: 1960.688+/-145.173 χ^2/NDF: 119.0/117



Right In: 1298.193+/-0.201 χ^2/NDF: 535451.1/32

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

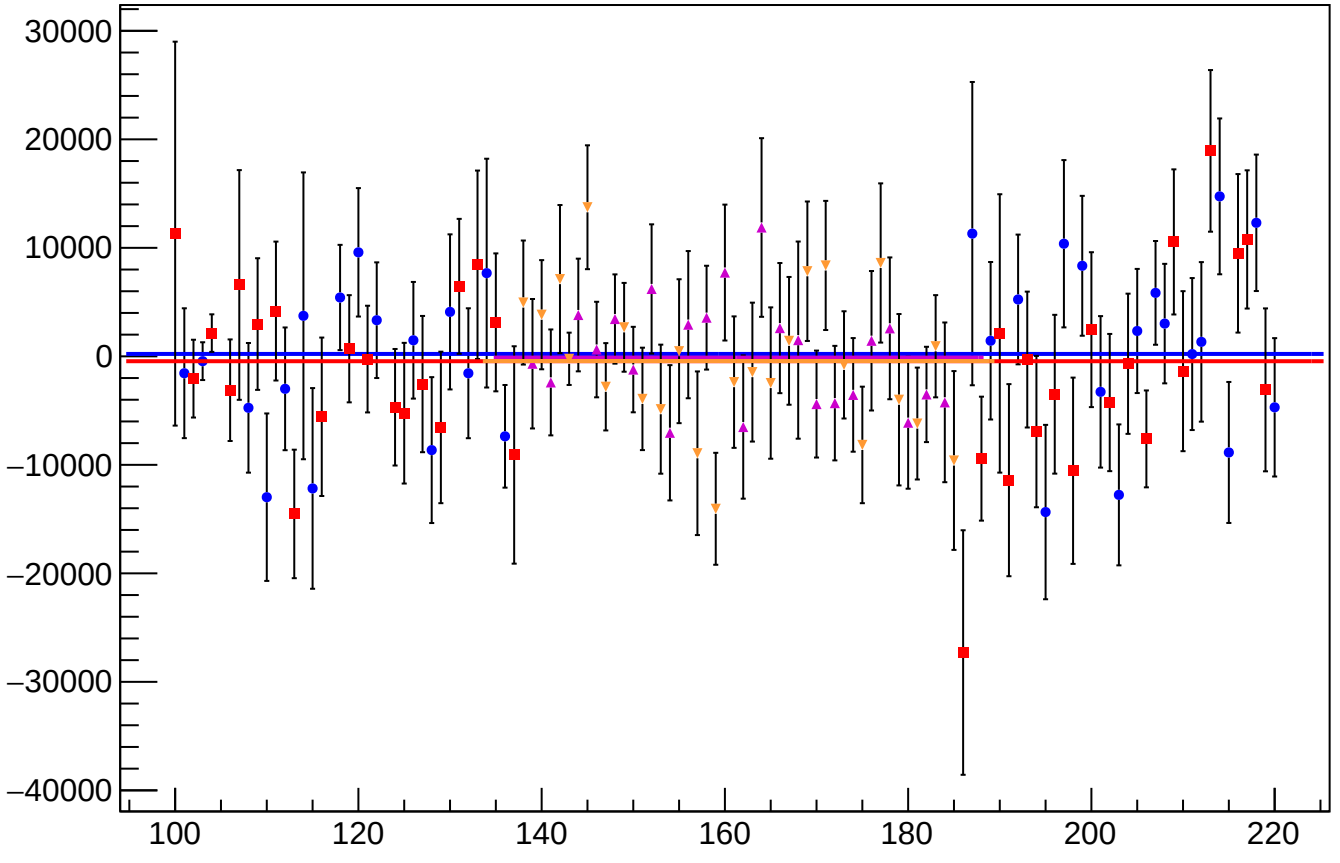
Right: 1303.130+/-0.143 χ^2/NDF: 1043448.1/69

In: 1287.575+/-0.146 χ^2/NDF:582676.8/55

Out: 1297.139+/-0.145 χ^2/NDF:703839.1/61

All: 1292.387+/-0.103 χ^2/NDF: 1288687.0/11

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 221.698+/-950.429 χ^2/NDF: 39.6/32

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -449.292+/-911.556 χ^2/NDF: 45.9/36

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

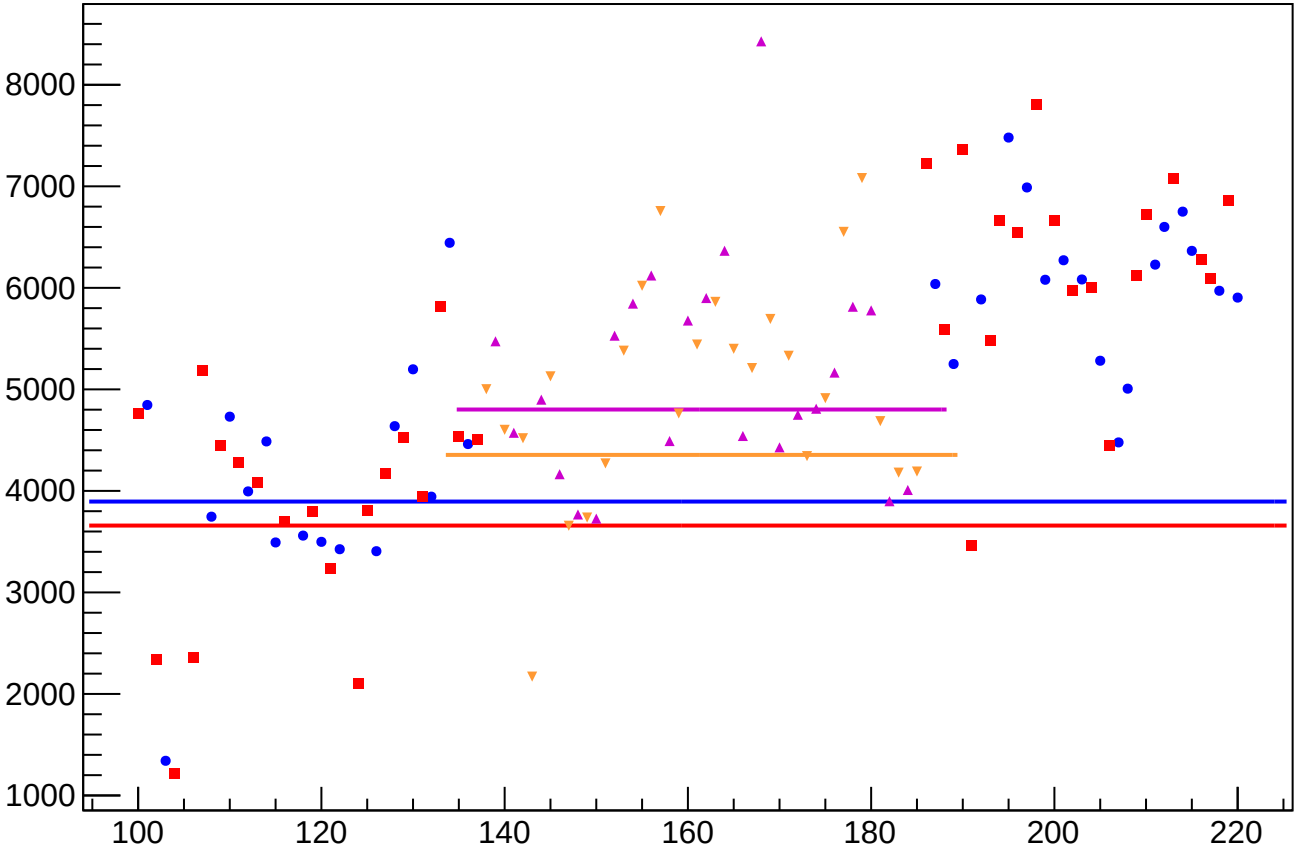
Right: -127.799+/-657.881 χ^2/NDF: 85.8/69

In: 82.545+/-731.233 χ^2/NDF:53.3/55

Out: -440.250+/-684.944 χ^2/NDF:75.7/61

All: -195.922+/-499.892 χ^2/NDF: 129.3/117

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3894.934+/-0.672 χ^2/NDF: 8160984.5/32

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3658.517+/-0.645 χ^2/NDF: 9751432.2/36

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

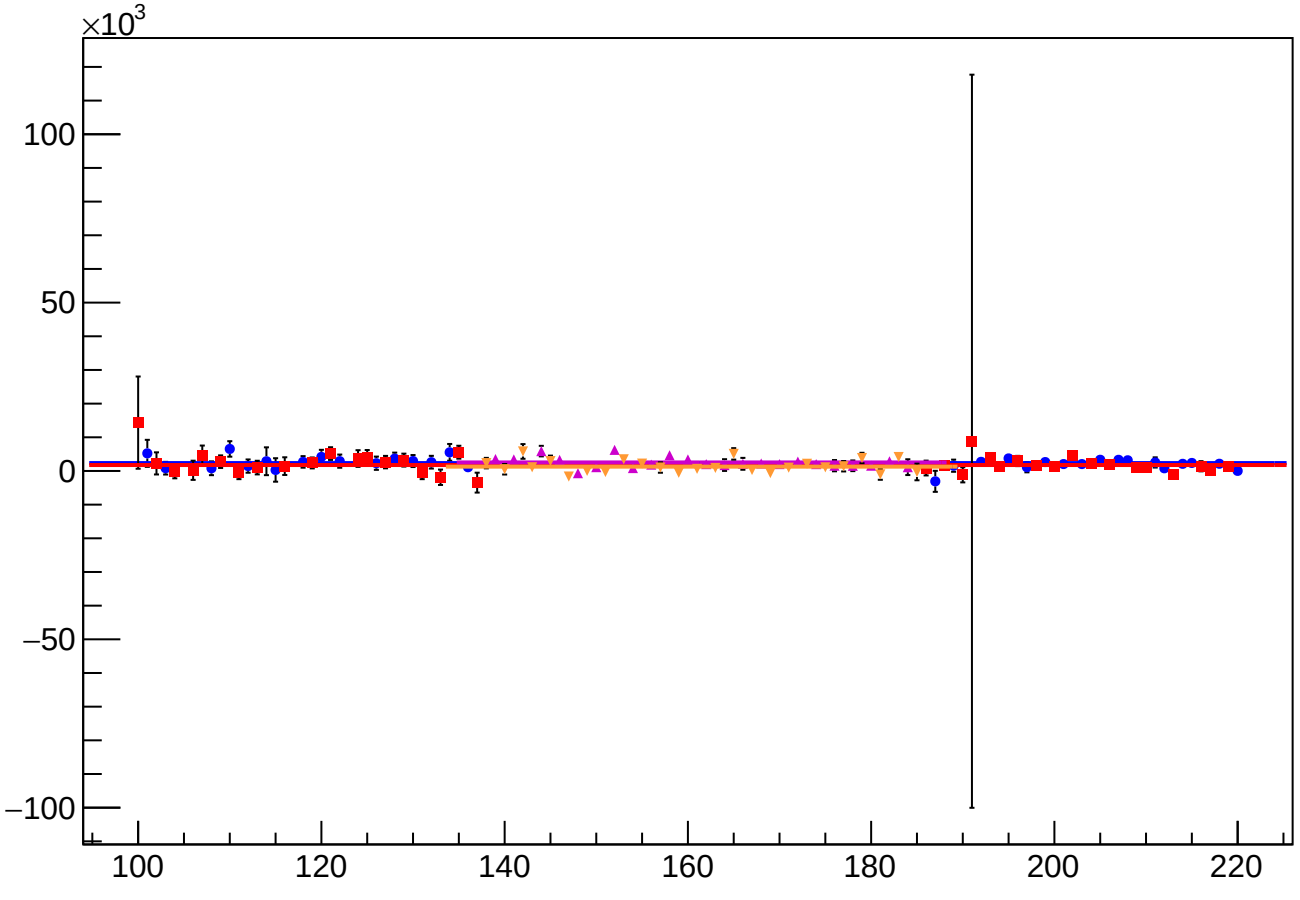
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3771.792+/-0.465 χ^2/NDF: 17976874.4/69

In: 4264.902+/-0.517 χ^2/NDF:10135537.6/55

Out: 3961.550+/-0.484 χ^2/NDF:13330605.2/61

All: 4103.322+/-0.353 χ^2/NDF: 23649482.1/1



Right In: 2340.747+/-291.338 χ^2/NDF: 19.9/32

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 1763.057+/-291.827 χ^2/NDF: 36.1/36

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

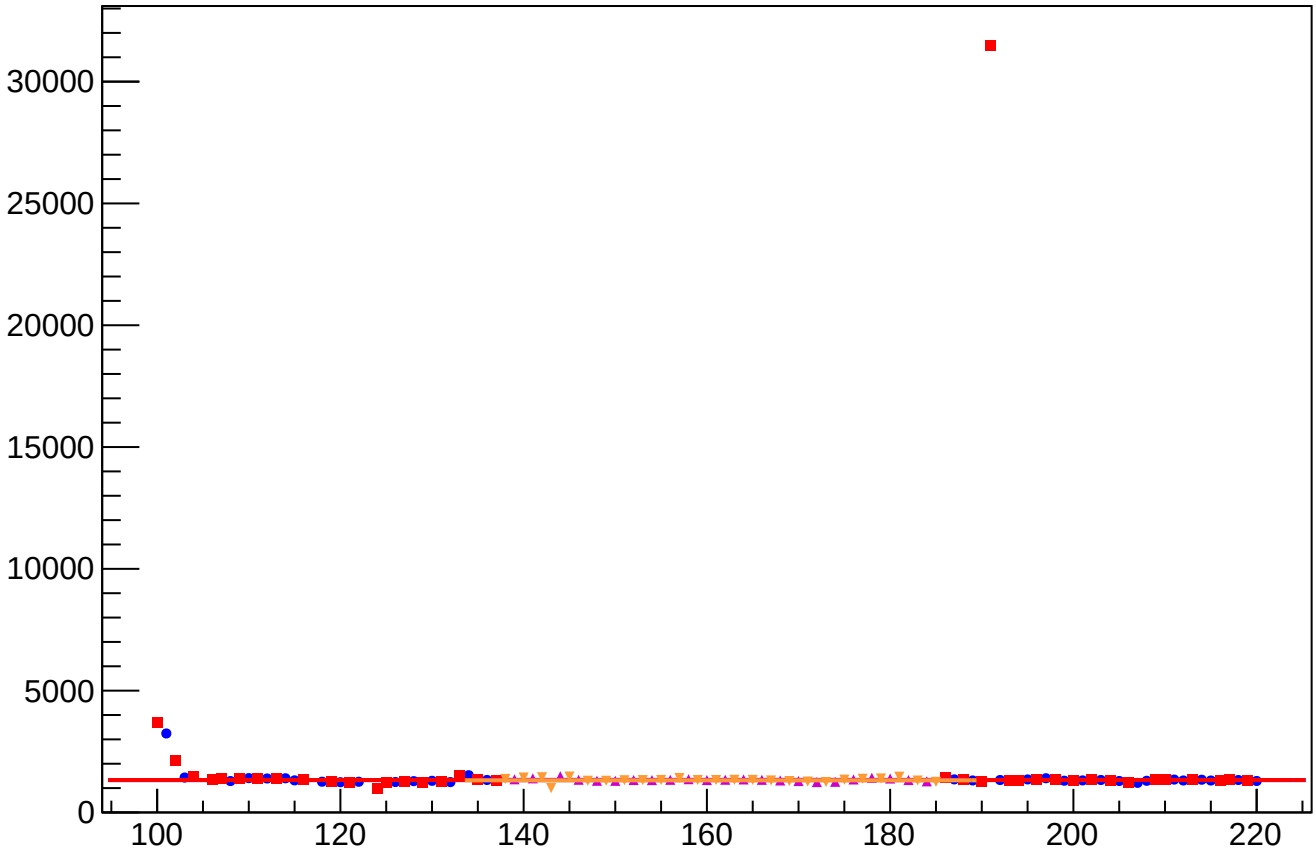
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2052.386+/-206.180 χ^2/NDF: 58.0/69

In: 2429.464+/-213.218 χ^2/NDF:45.2/55

Out: 1530.770+/-209.362 χ^2/NDF:70.8/61

All: 1971.916+/-149.386 χ^2/NDF: 125.0/117



Right In: 1327.867+/-0.206 χ^2/NDF: 524781.3/32

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1331.739+/-0.206 χ^2/NDF: 450004.0/36

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

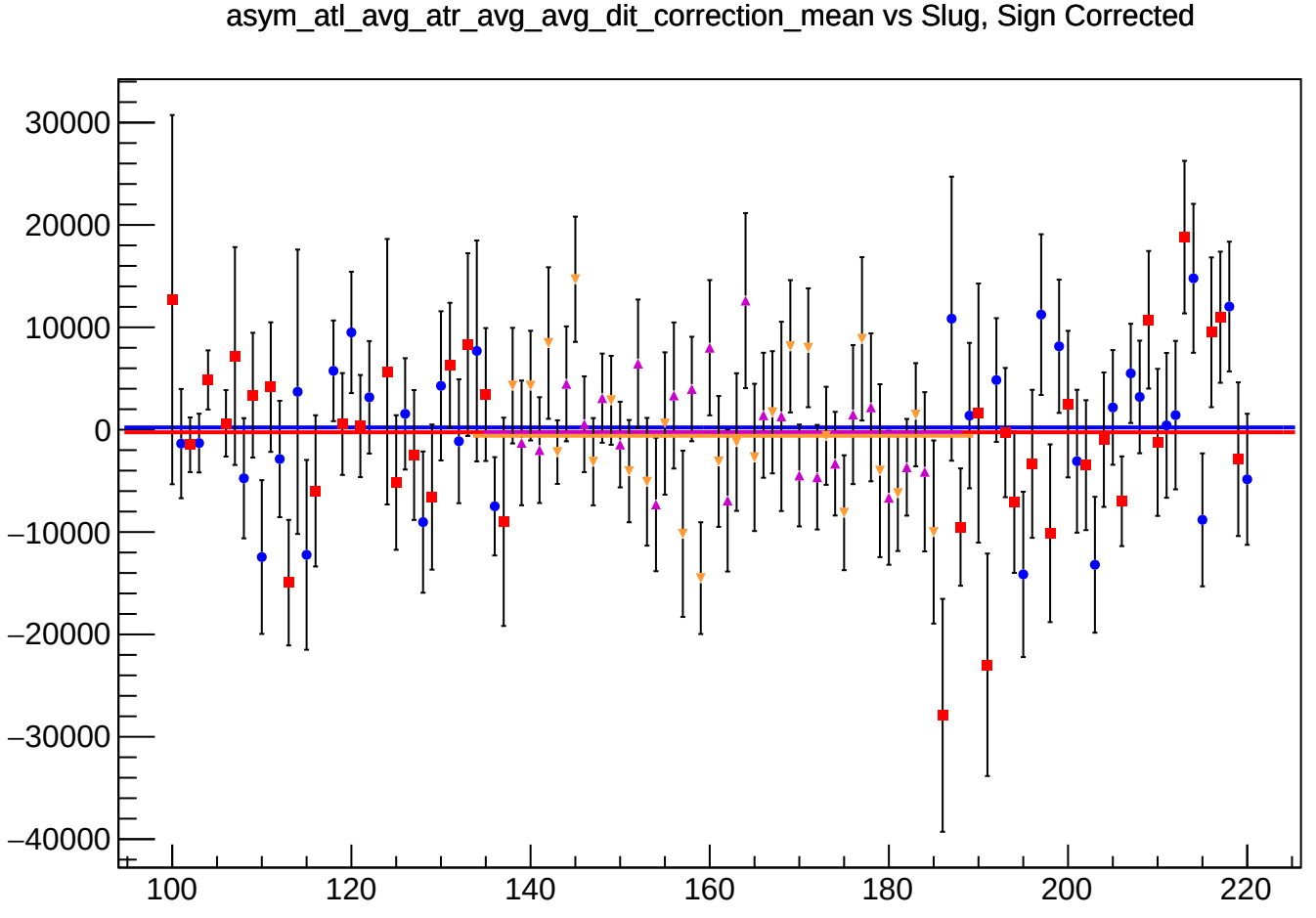
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1329.801+/-0.146 χ^2/NDF: 974961.7/69

In: 1332.852+/-0.151 χ^2/NDF:580290.8/55

Out: 1325.158+/-0.148 χ^2/NDF:700649.3/61

All: 1328.934+/-0.106 χ^2/NDF: 1282266.5/11



Right In: 220.464+/-1056.331 χ^2/NDF: 39.2/32

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -252.811+/-969.958 χ^2/NDF: 48.9/36

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

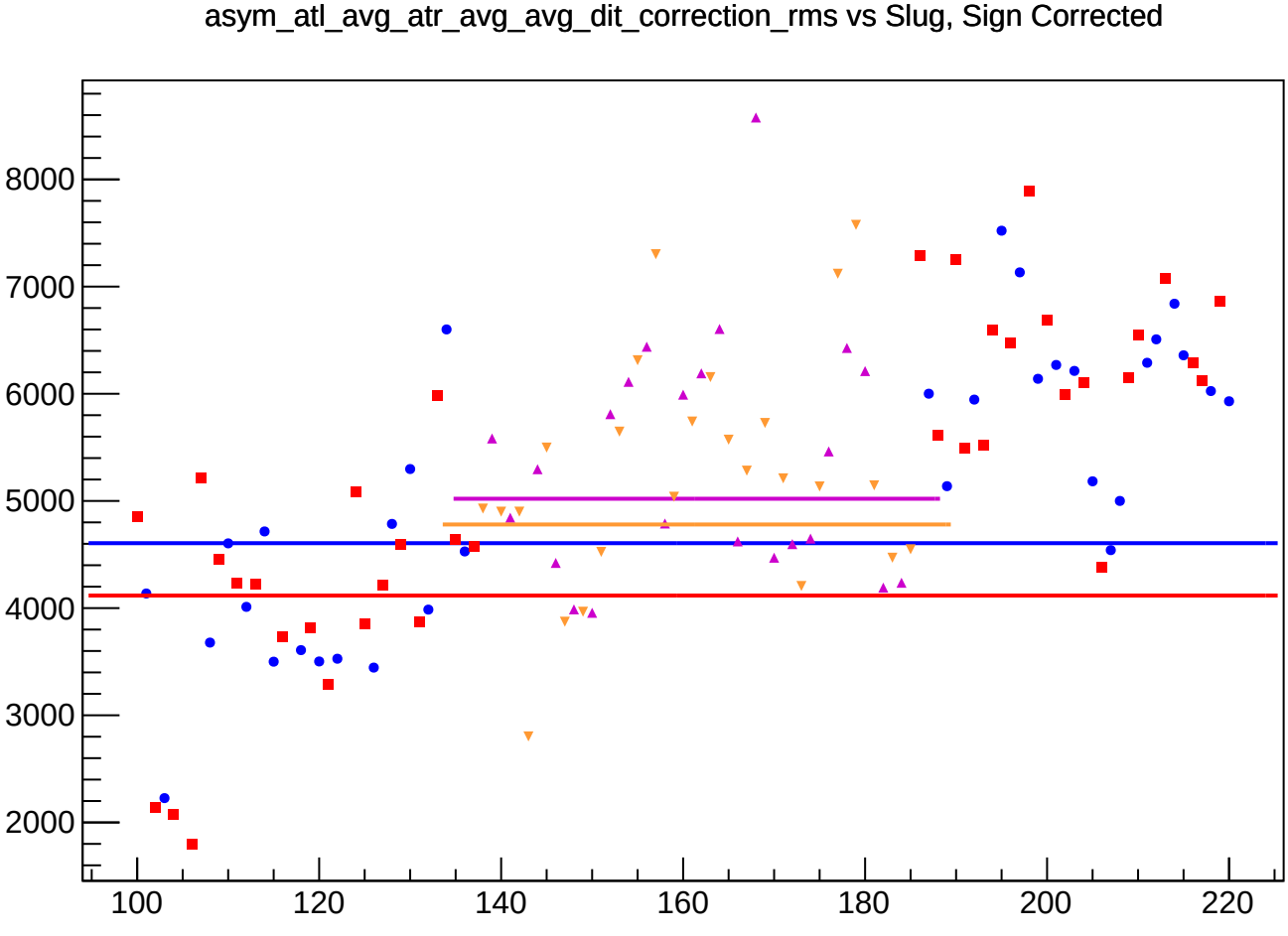
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -36.310+/-714.451 χ^2/NDF: 88.1/69

In: 4.416+/-791.970 χ^2/NDF:52.7/55

Out: -399.087+/-733.857 χ^2/NDF:78.4/61

All: -212.681+/-538.288 χ^2/NDF: 131.2/117



Right In: 4605.904+/-0.747 χ^2/NDF: 3662523.2/32

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 4117.376+/-0.686 χ^2/NDF: 6739303.3/36

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

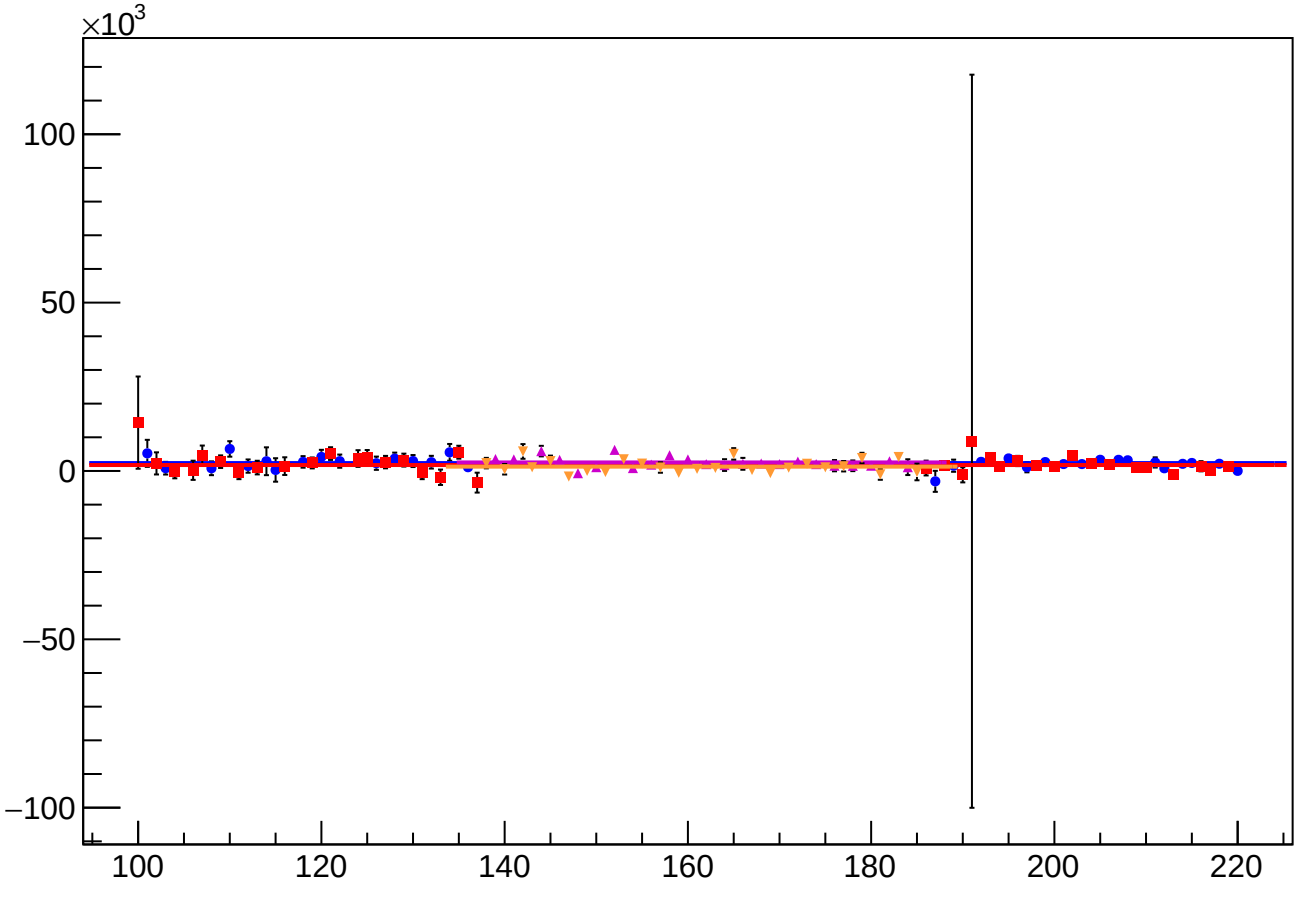
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4340.854+/-0.505 χ^2/NDF: 10633911.5/69

In: 4787.480+/-0.560 χ^2/NDF:5022566.3/55

Out: 4400.868+/-0.519 χ^2/NDF:9145117.8/61

All: 4579.471+/-0.381 χ^2/NDF: 14424114.4/1



Right In: 2340.743+/-291.338 χ^2/NDF: 19.9/32

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1763.055+/-291.827 χ^2/NDF: 36.1/36

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

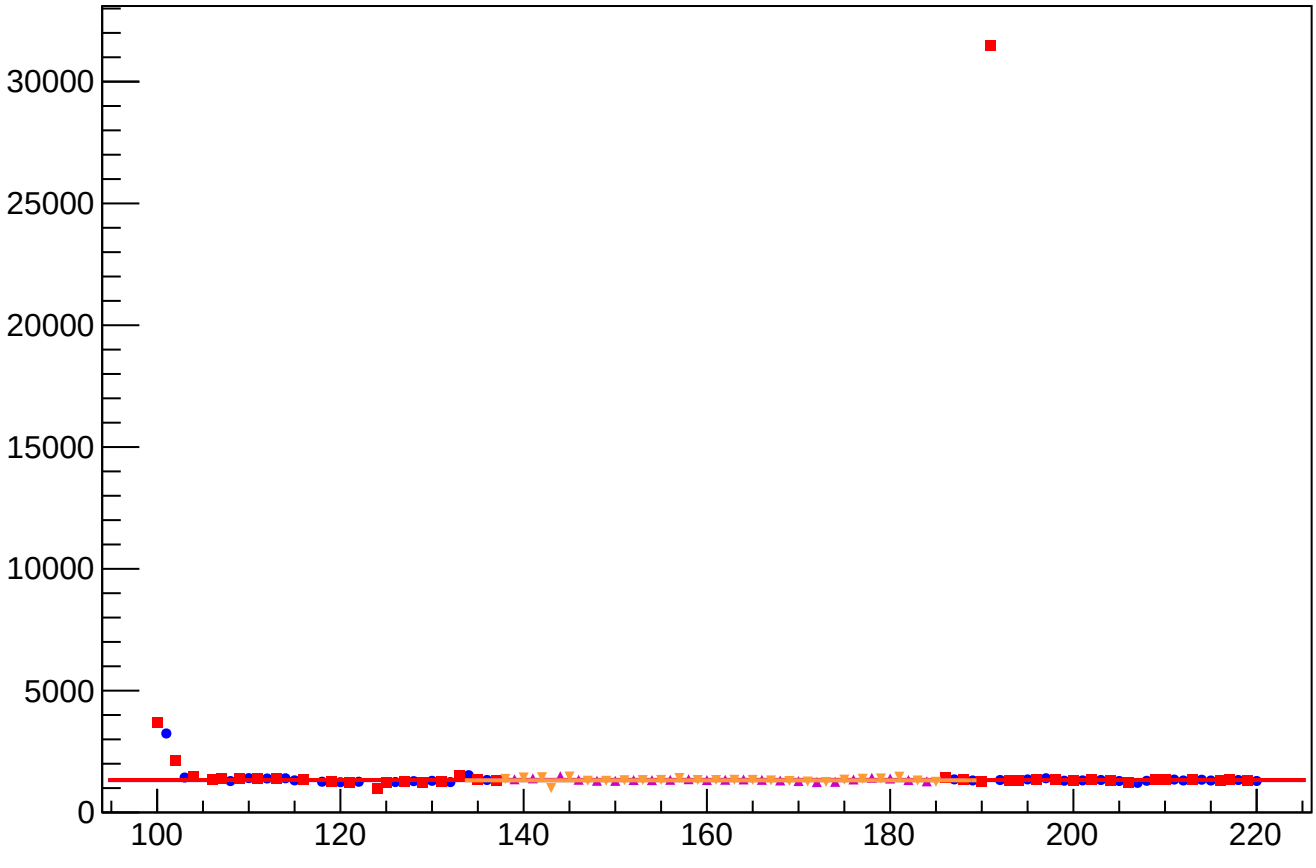
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2052.384+/-206.180 χ^2/NDF: 58.0/69

In: 2429.462+/-213.218 χ^2/NDF:45.2/55

Out: 1530.766+/-209.362 χ^2/NDF:70.8/61

All: 1971.913+/-149.386 χ^2/NDF: 125.0/117



Right In: 1327.867+/-0.206 χ^2/NDF: 524781.5/32

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1331.739+/-0.206 χ^2/NDF: 450003.0/36

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

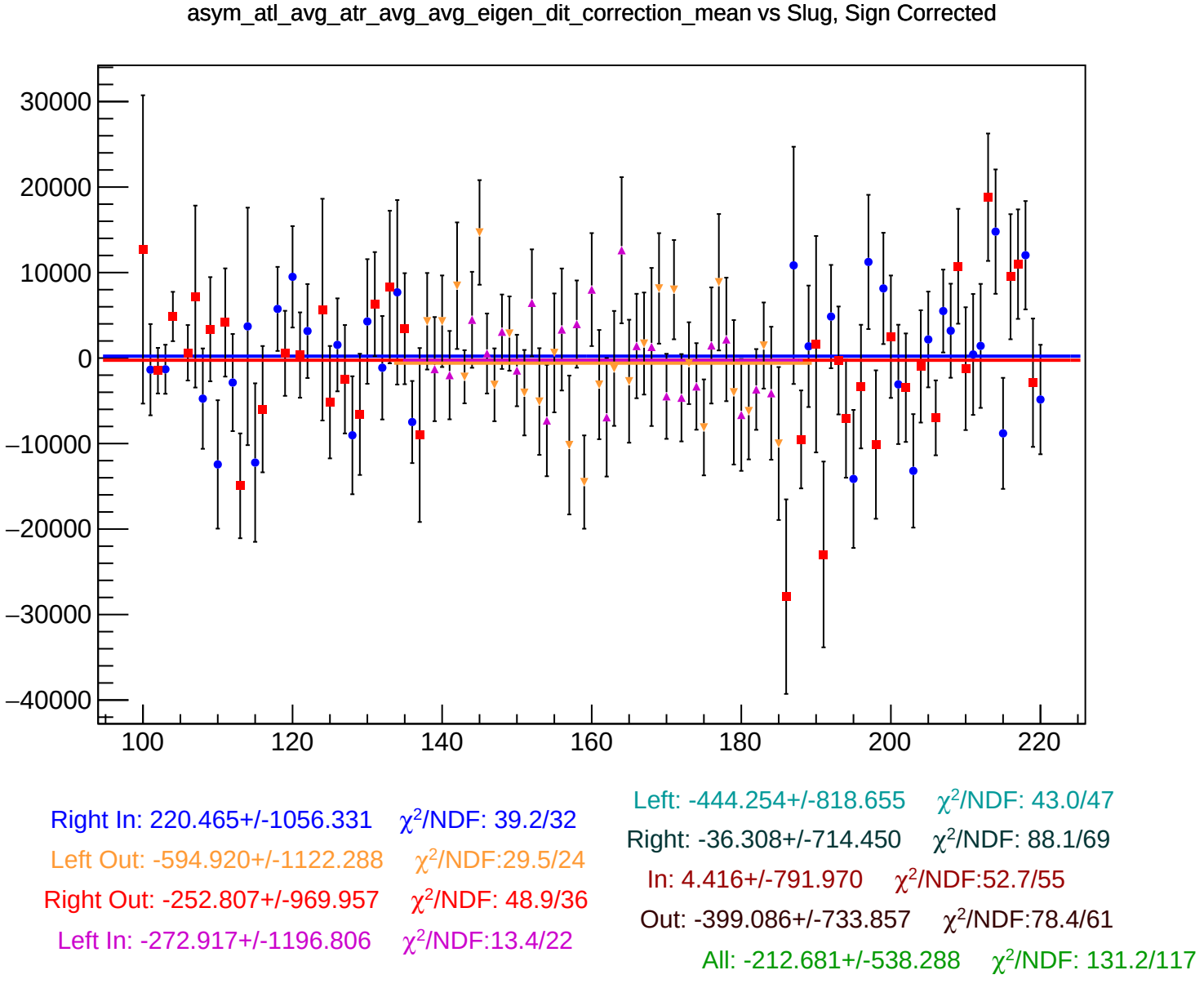
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

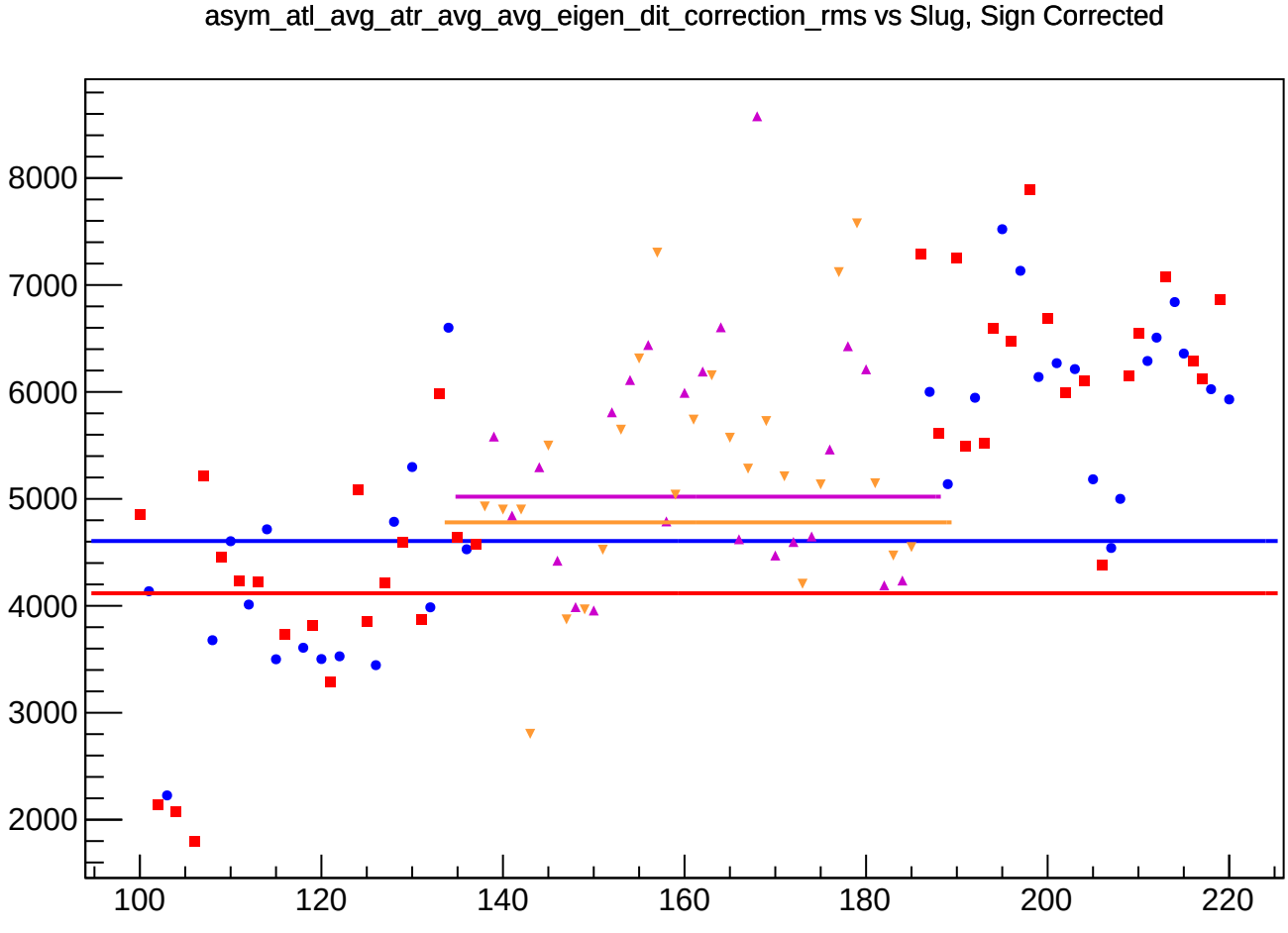
Right: 1329.800+/-0.146 χ^2/NDF: 974960.8/69

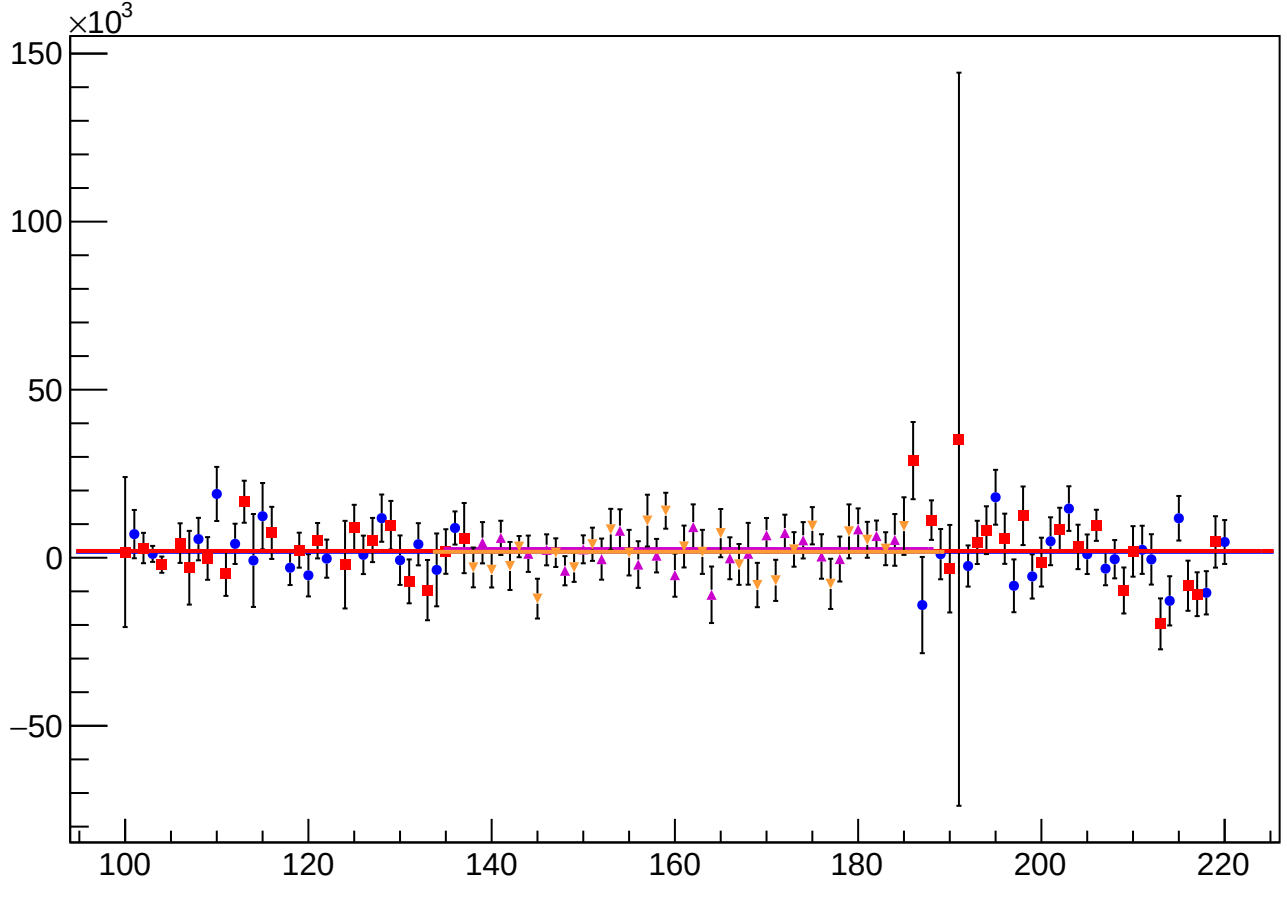
In: 1332.853+/-0.151 χ^2/NDF:580293.9/55

Out: 1325.158+/-0.148 χ^2/NDF:700650.4/61

All: 1328.935+/-0.106 χ^2/NDF: 1282270.6/11


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 220.465+/-1056.331 χ²/NDF: 39.2/32
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -252.807+/-969.957 χ²/NDF: 48.9/36
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -36.308+/-714.450 χ²/NDF: 88.1/69
In: 4.416+/-791.970 χ²/NDF:52.7/55
Out: -399.086+/-733.857 χ²/NDF:78.4/61
All: -212.681+/-538.288 χ²/NDF: 131.2/117


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4605.899+/-0.747 χ²/NDF: 3662562.7/32
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 4117.368+/-0.686 χ²/NDF: 6739353.9/36
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
Left: 4892.776+/-0.579 χ²/NDF: 3274196.2/47
Right: 4340.847+/-0.505 χ²/NDF: 10634004.8/69
In: 4787.480+/-0.560 χ²/NDF:5022617.4/55
Out: 4400.866+/-0.519 χ²/NDF:9145188.6/61
All: 4579.470+/-0.381 χ²/NDF: 14424239.2/1



Right In: 1760.389+/-1059.560 χ^2/NDF: 37.5/32

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2012.377+/-1051.607 χ^2/NDF: 48.7/36

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

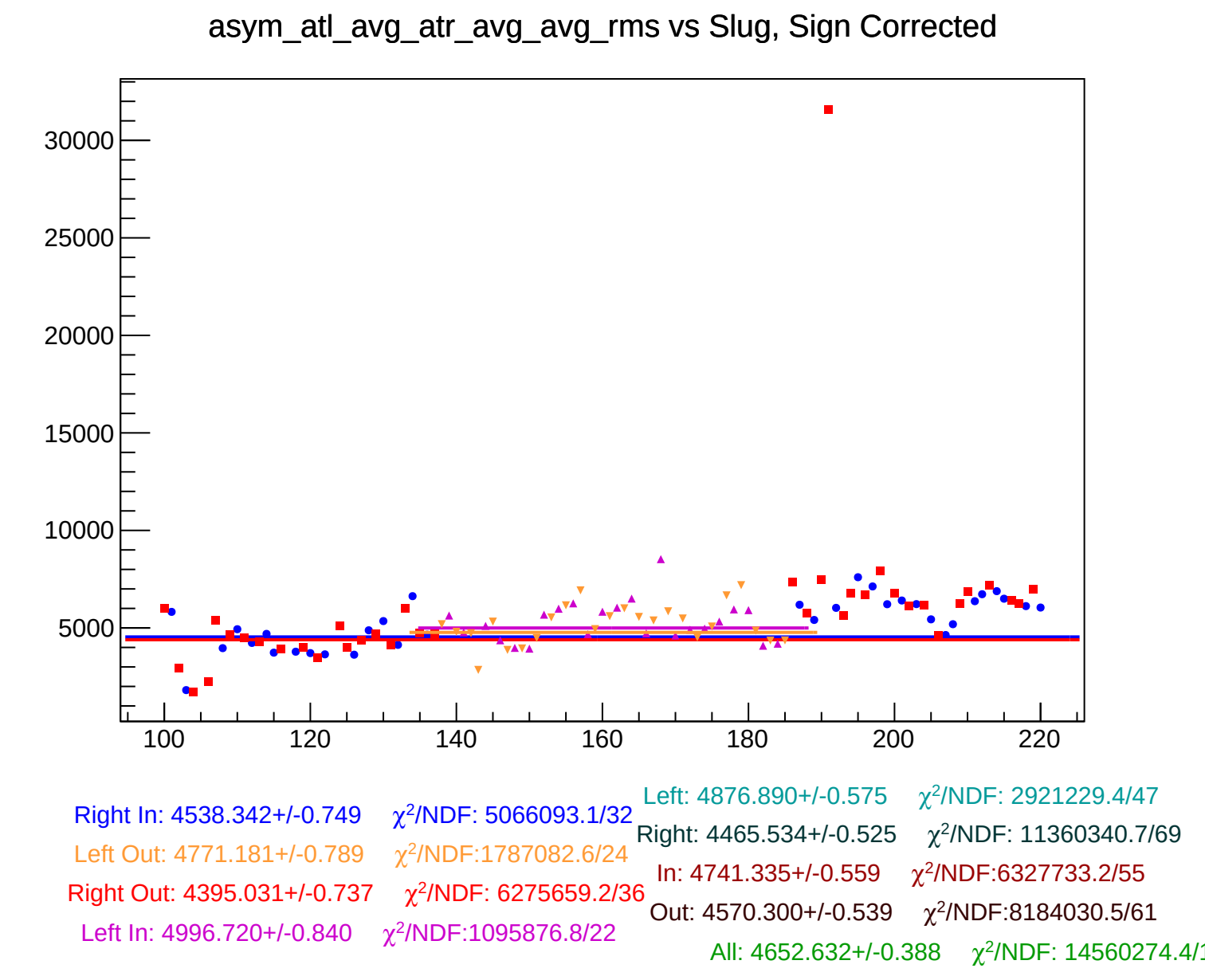
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

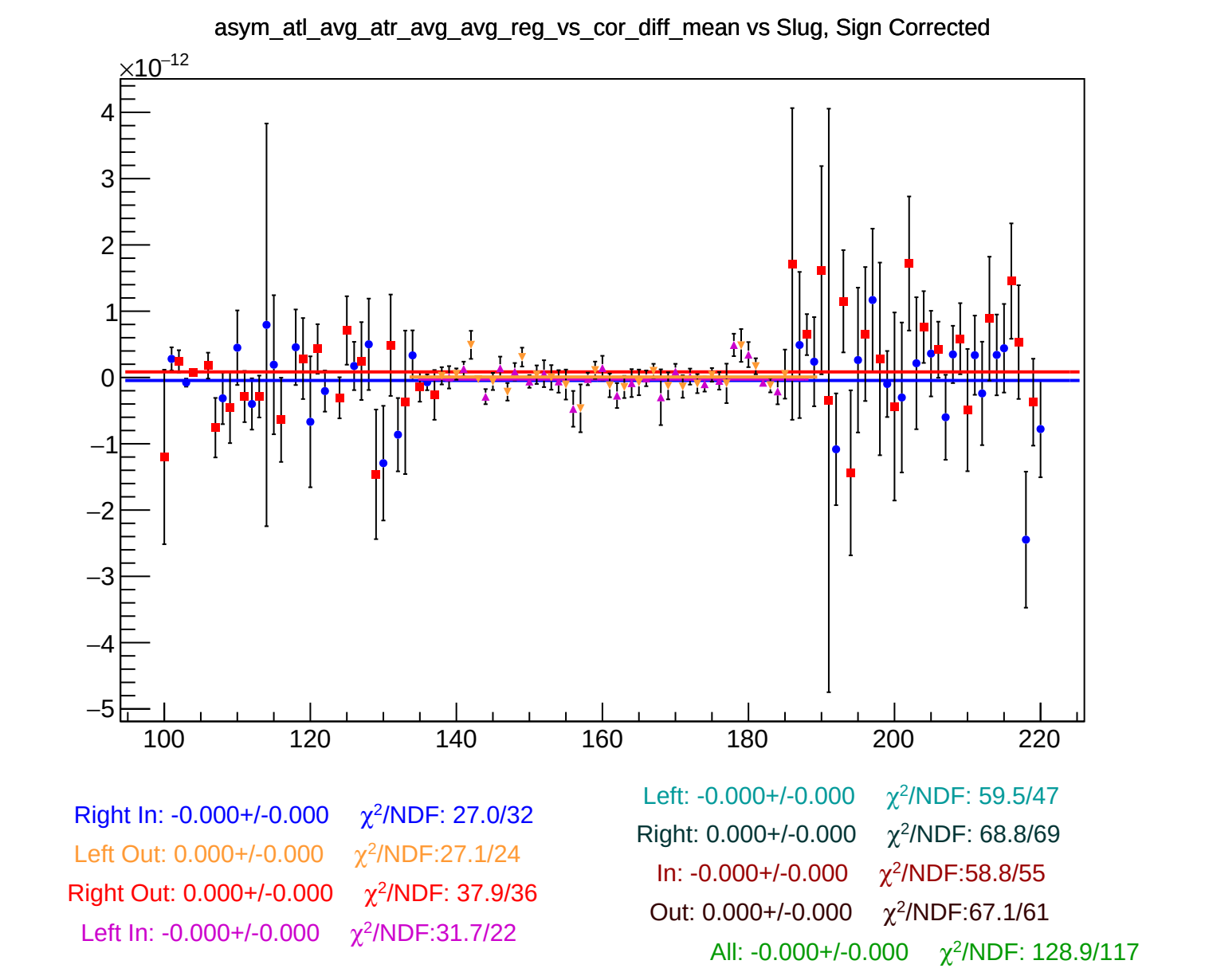
Right: 1887.332+/-746.394 χ^2/NDF: 86.2/69

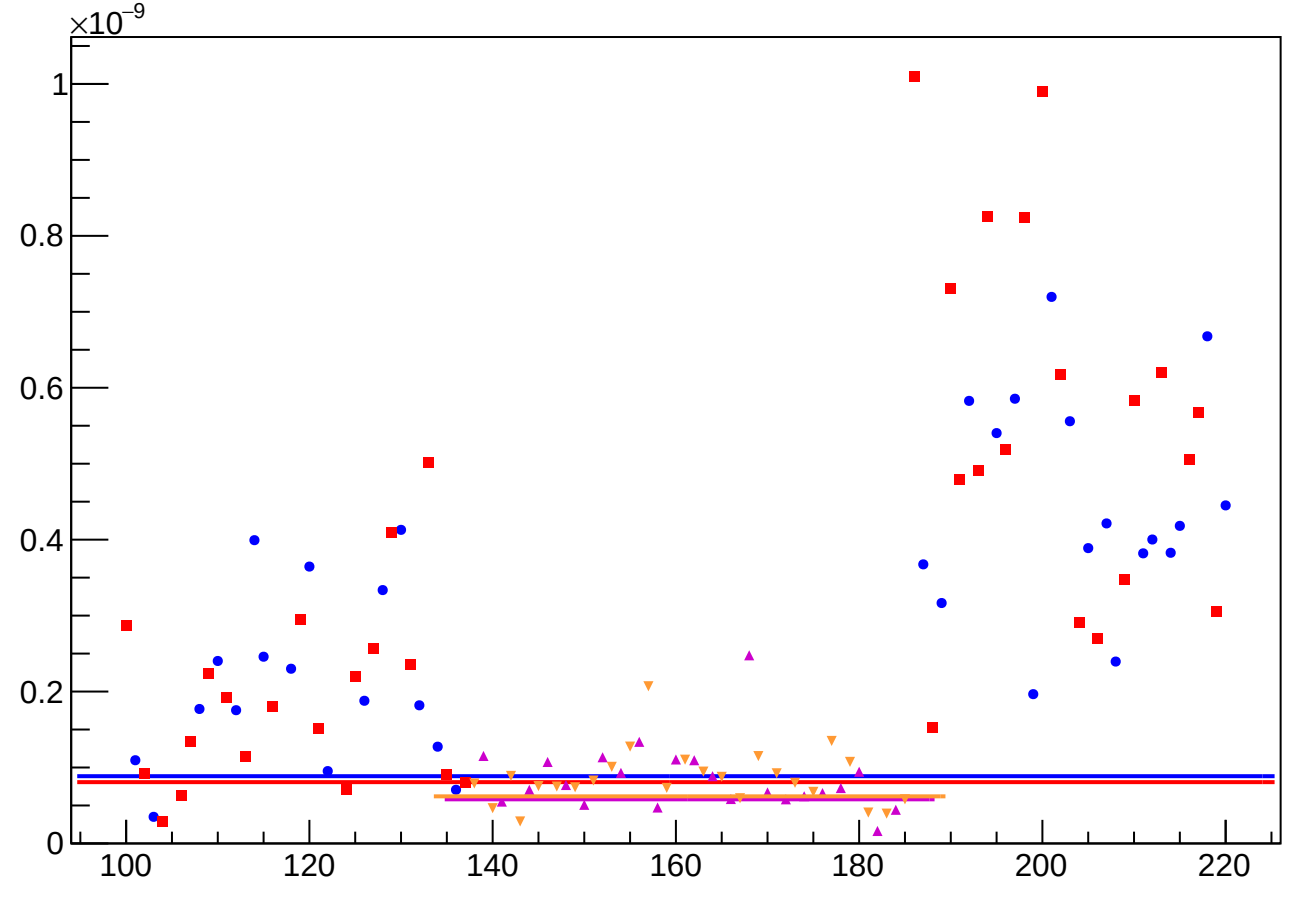
In: 2123.339+/-790.879 χ^2/NDF:51.0/55

Out: 1894.497+/-765.425 χ^2/NDF:76.4/61

All: 2005.176+/-550.016 χ^2/NDF: 127.4/117


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4538.342+/-0.749 χ²/NDF: 5066093.1/32
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 4395.031+/-0.737 χ²/NDF: 6275659.2/36
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 4465.534+/-0.525 χ²/NDF: 11360340.7/69
In: 4741.335+/-0.559 χ²/NDF:6327733.2/55
Out: 4570.300+/-0.539 χ²/NDF:8184030.5/61
All: 4652.632+/-0.388 χ²/NDF: 14560274.4/


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 27.0/32
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.9/36
Left In: -0.000+/-0.000 χ²/NDF:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/47
Right: 0.000+/-0.000 χ²/NDF: 68.8/69
In: -0.000+/-0.000 χ²/NDF:58.8/55
Out: 0.000+/-0.000 χ²/NDF:67.1/61
All: -0.000+/-0.000 χ²/NDF: 128.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 10123969.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11451228.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

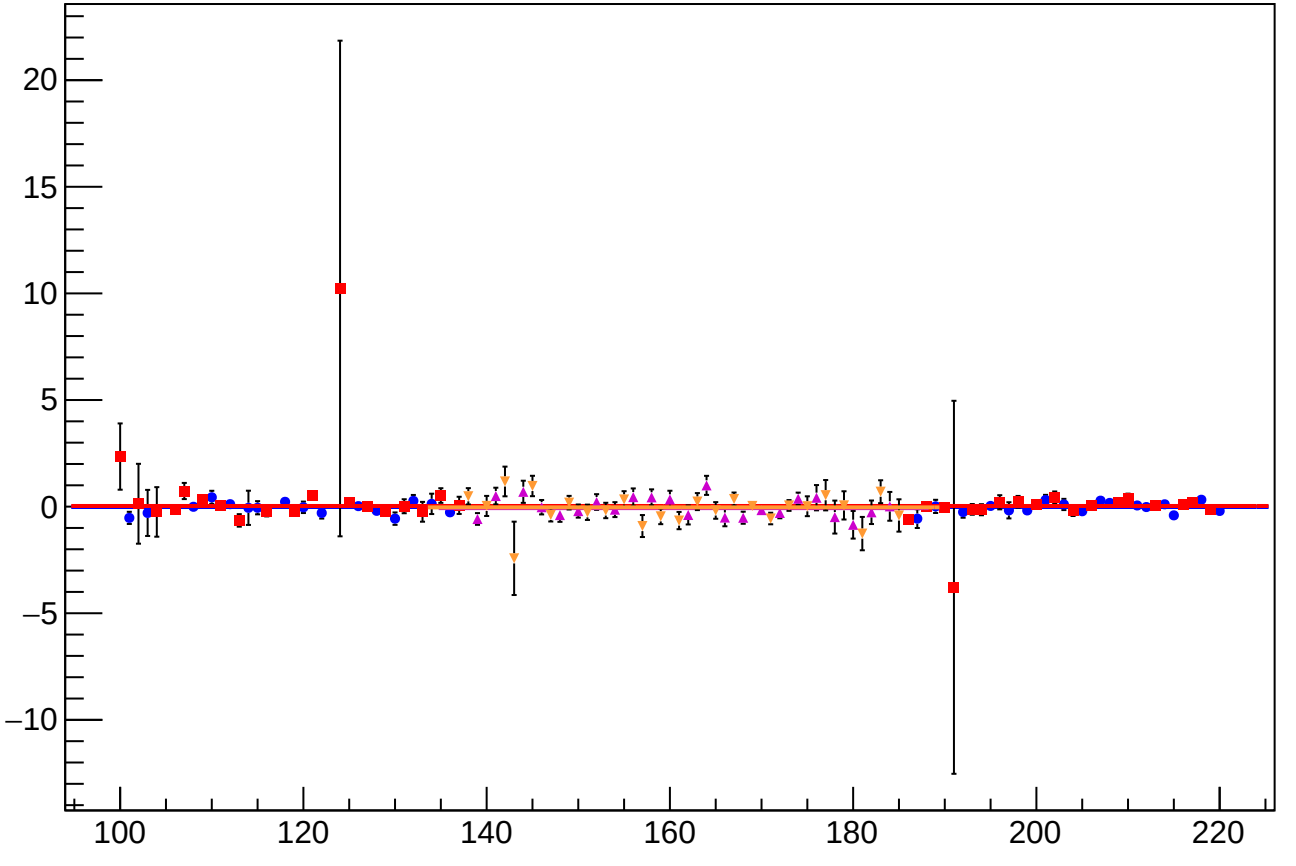
Right: 0.000+/-0.000 χ^2/NDF: 21603997.0/69

In: 0.000+/-0.000 χ^2/NDF:13737895.0/55

Out: 0.000+/-0.000 χ^2/NDF:14147641.1/61

All: 0.000+/-0.000 χ^2/NDF: 27888117.9/117

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.038 χ^2/NDF: 41.3/32

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

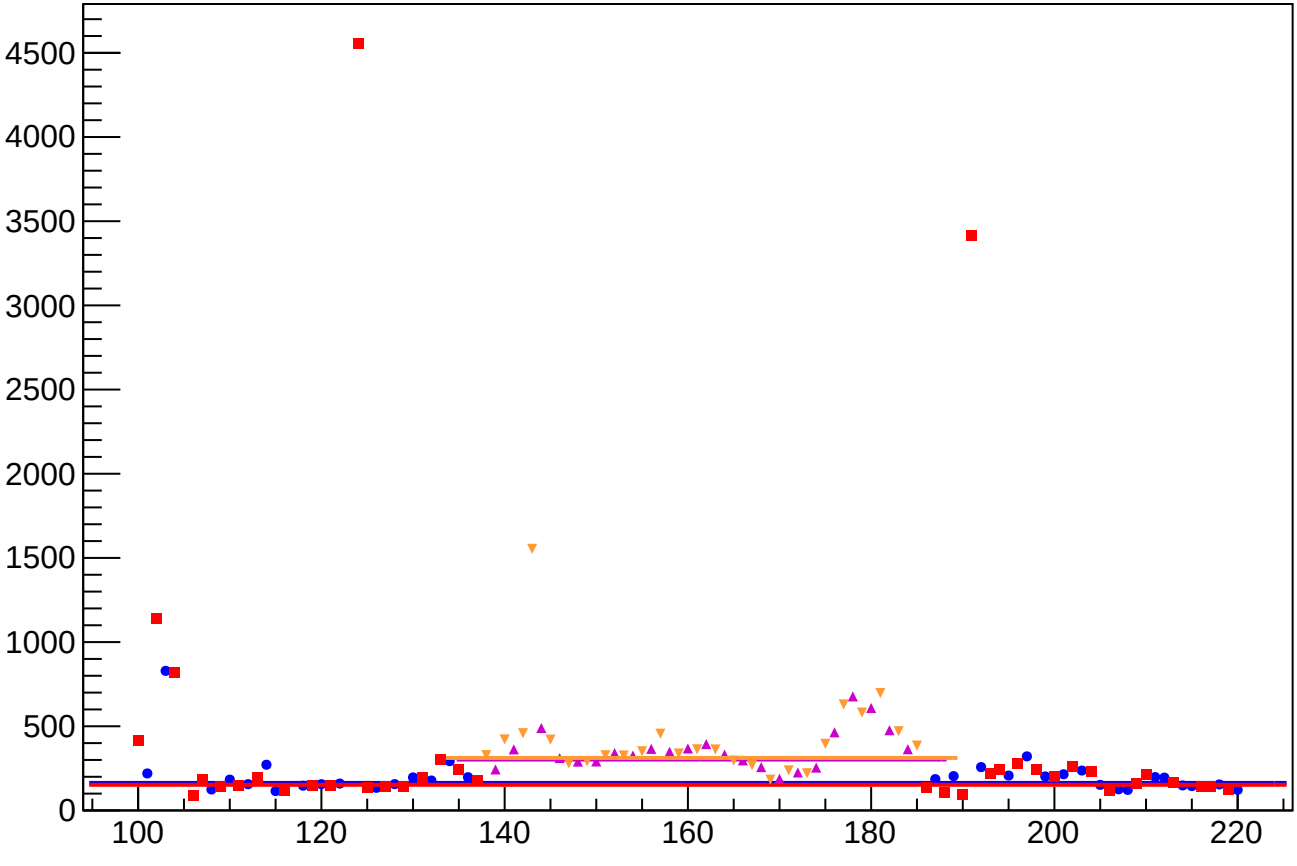
Right: 0.008+/-0.027 χ^2/NDF: 87.5/69

In: -0.028+/-0.034 χ^2/NDF:71.6/55

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: -0.004+/-0.024 χ^2/NDF: 151.0/117

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 163.589+/-0.027 χ^2/NDF: 2957043.4/32

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 152.429+/-0.026 χ^2/NDF: 5001105.7/36

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

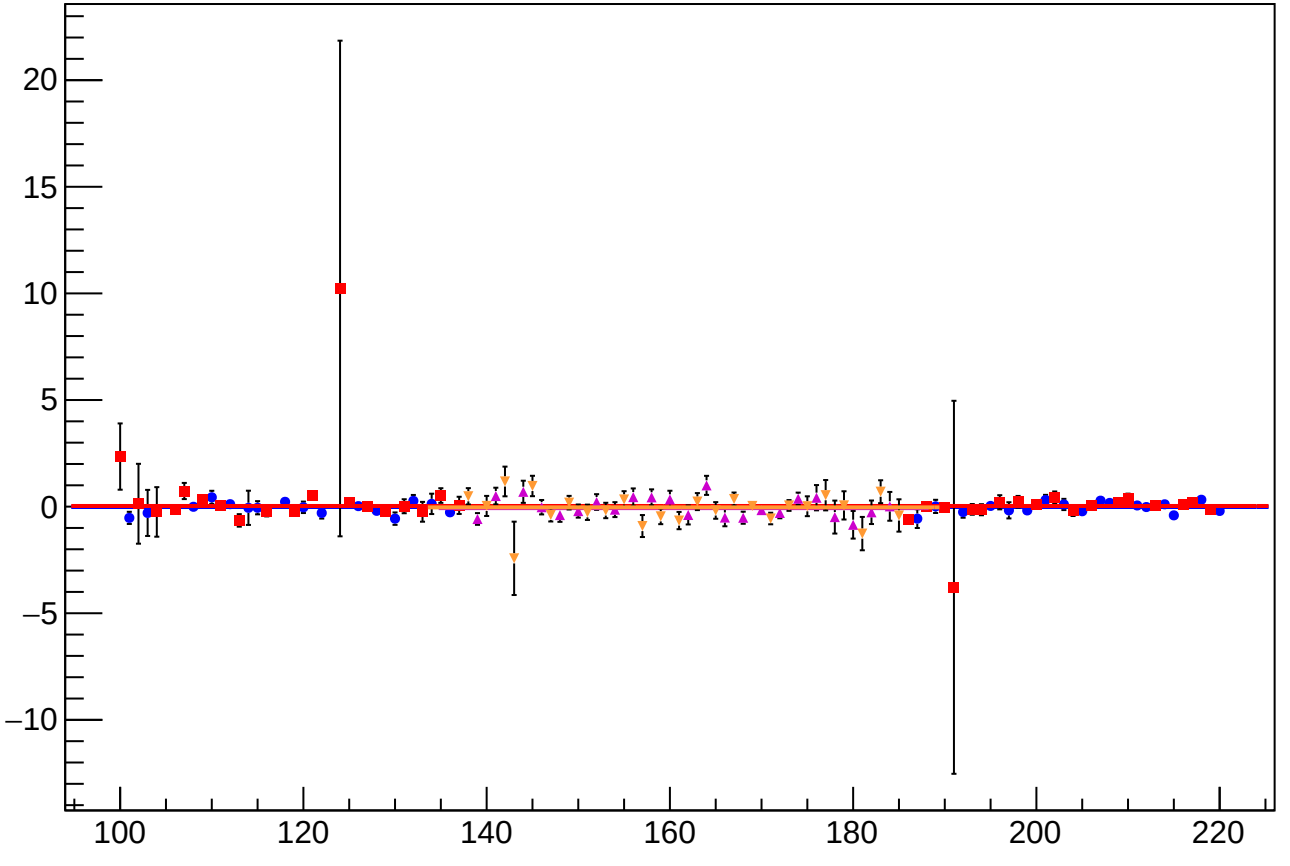
Right: 157.760+/-0.019 χ^2/NDF: 8046474.3/69

In: 192.454+/-0.024 χ^2/NDF:11205107.5/55

Out: 182.173+/-0.023 χ^2/NDF:16395251.2/61

All: 187.153+/-0.017 χ^2/NDF: 27693791.7/11

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.038 χ^2/NDF: 41.3/32

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

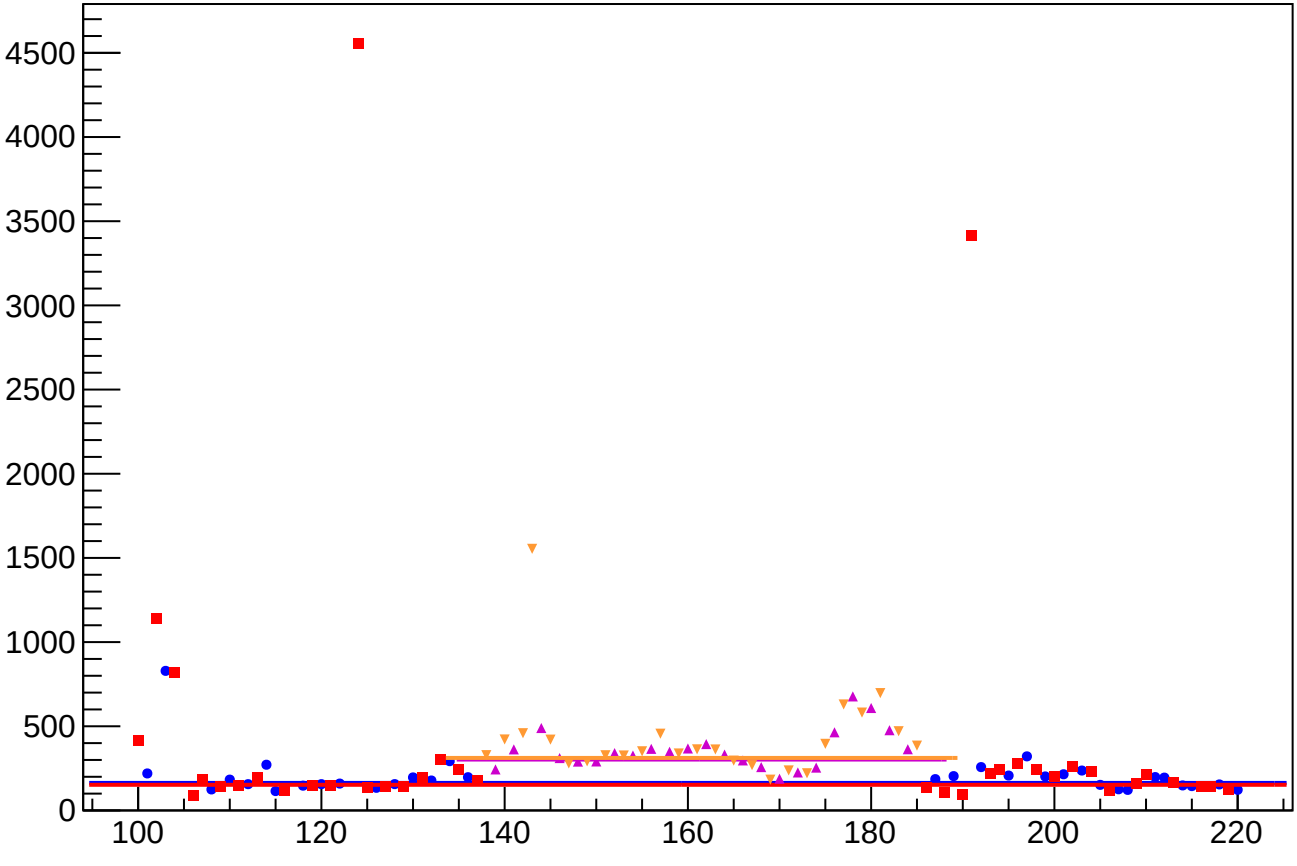
Right: 0.008+/-0.027 χ^2/NDF: 87.5/69

In: -0.028+/-0.034 χ^2/NDF:71.6/55

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: -0.004+/-0.024 χ^2/NDF: 151.0/117

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 163.589+/-0.027 χ^2/NDF: 2957043.4/32

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 152.429+/-0.026 χ^2/NDF: 5001105.7/36

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

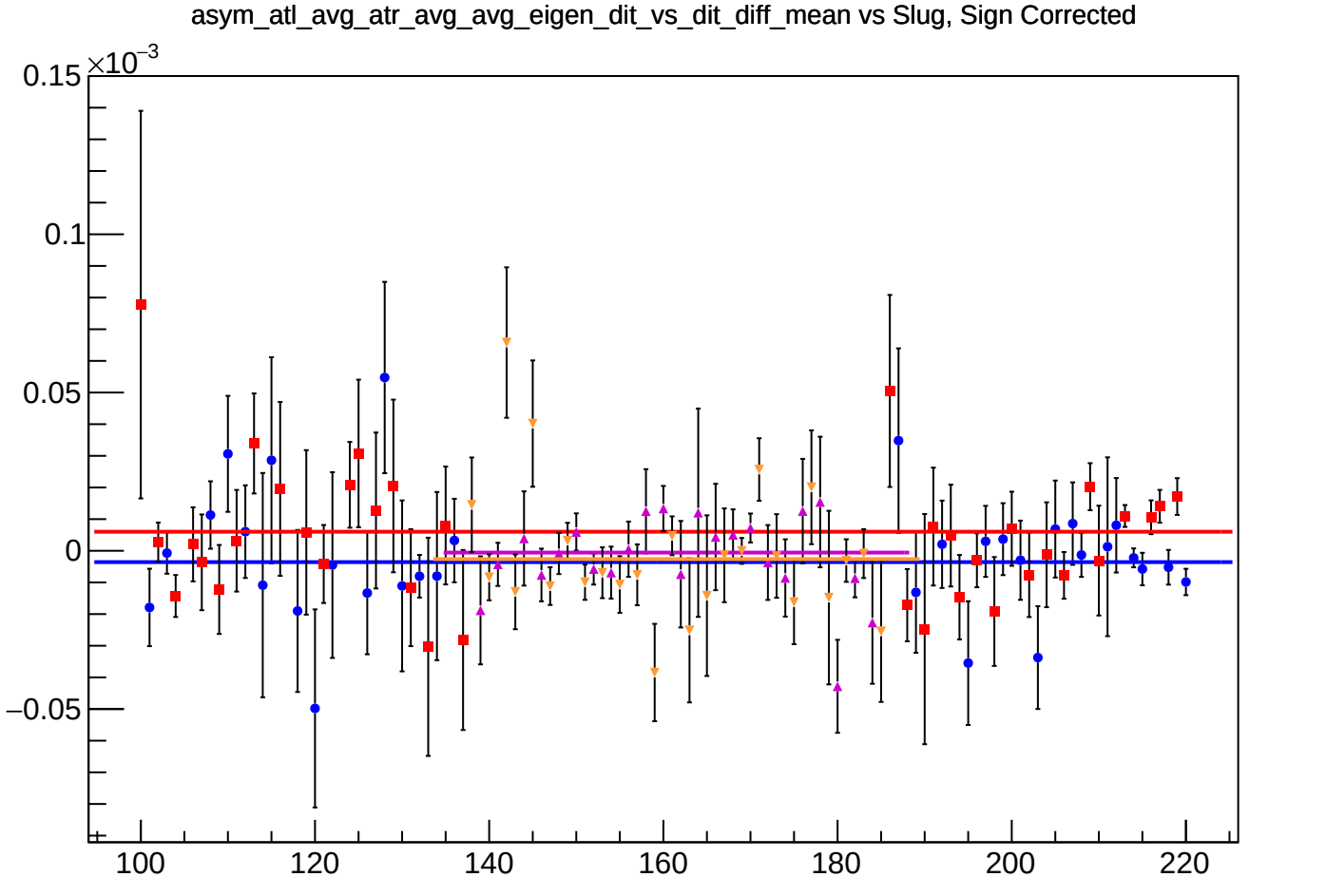
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 157.760+/-0.019 χ^2/NDF: 8046474.3/69

In: 192.454+/-0.024 χ^2/NDF:11205107.5/55

Out: 182.173+/-0.023 χ^2/NDF:16395251.2/61

All: 187.153+/-0.017 χ^2/NDF: 27693791.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.8/36

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

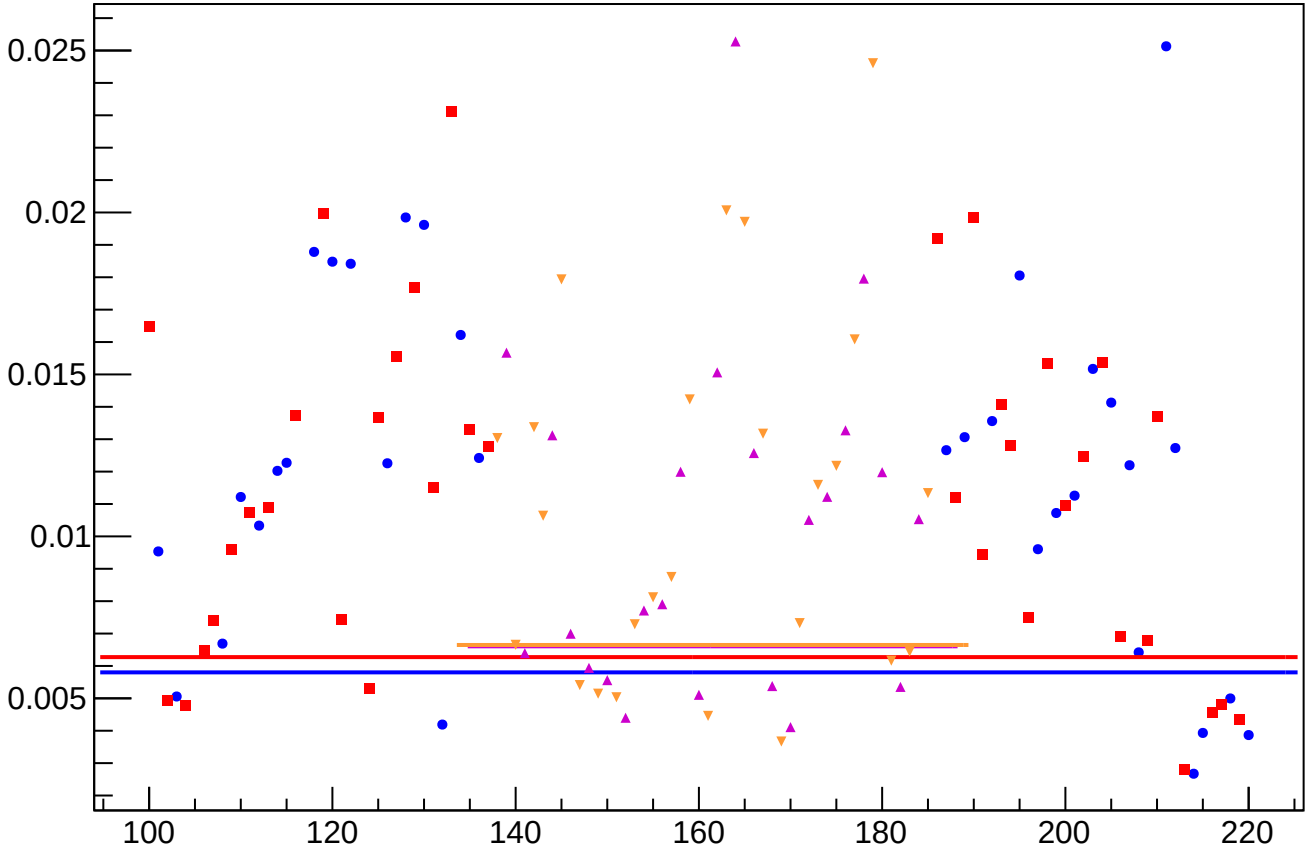
Right: 0.000+/-0.000 χ^2/NDF: 101.5/69

In: -0.000+/-0.000 χ^2/NDF:58.1/55

Out: 0.000+/-0.000 χ^2/NDF:109.5/61

All: -0.000+/-0.000 χ^2/NDF: 174.1/117

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 12912119.5/32

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.006+/-0.000 χ^2/NDF: 10238196.9/36

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

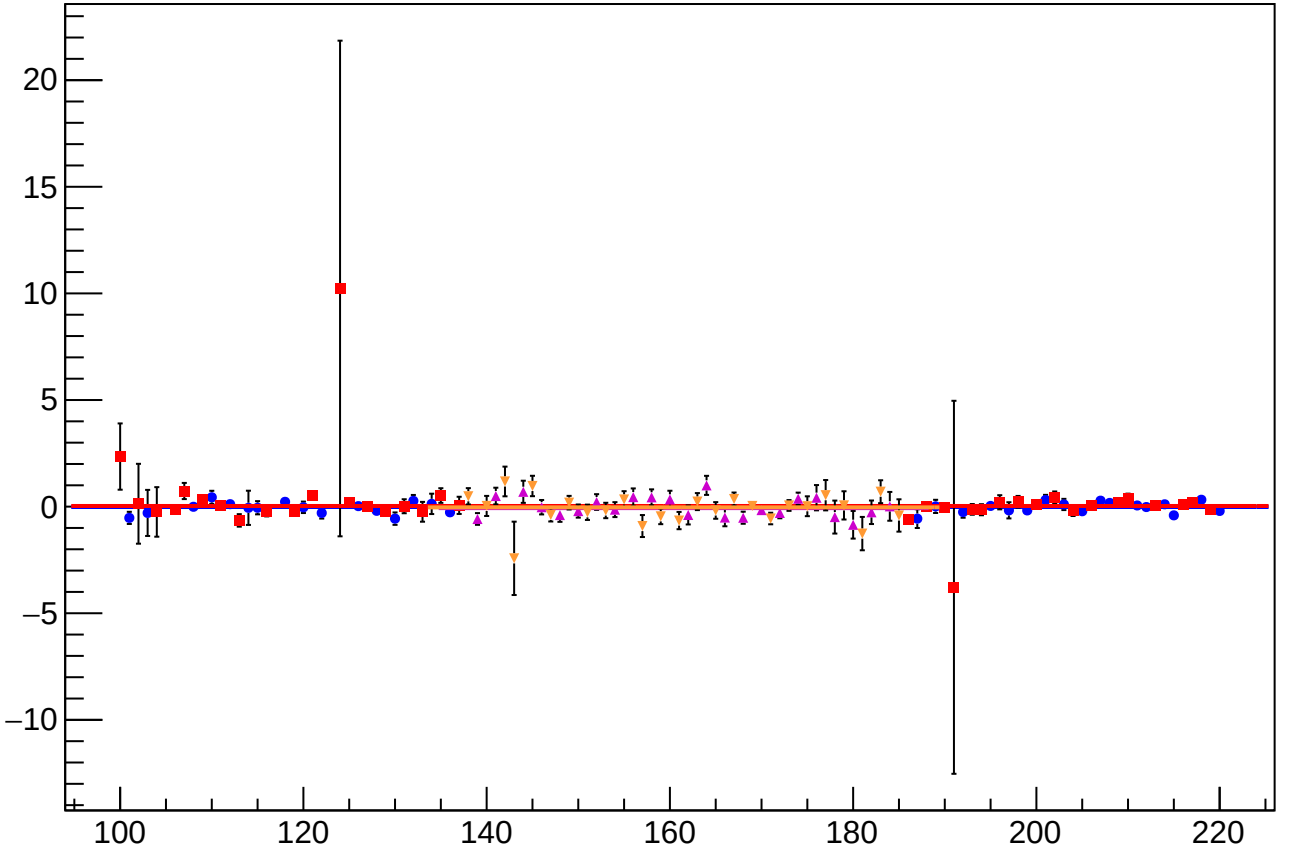
Right: 0.006+/-0.000 χ^2/NDF: 23237445.8/69

In: 0.006+/-0.000 χ^2/NDF:18997161.6/55

Out: 0.006+/-0.000 χ^2/NDF:17801933.8/61

All: 0.006+/-0.000 χ^2/NDF: 36859558.3/117

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.038 χ^2/NDF: 41.3/32

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

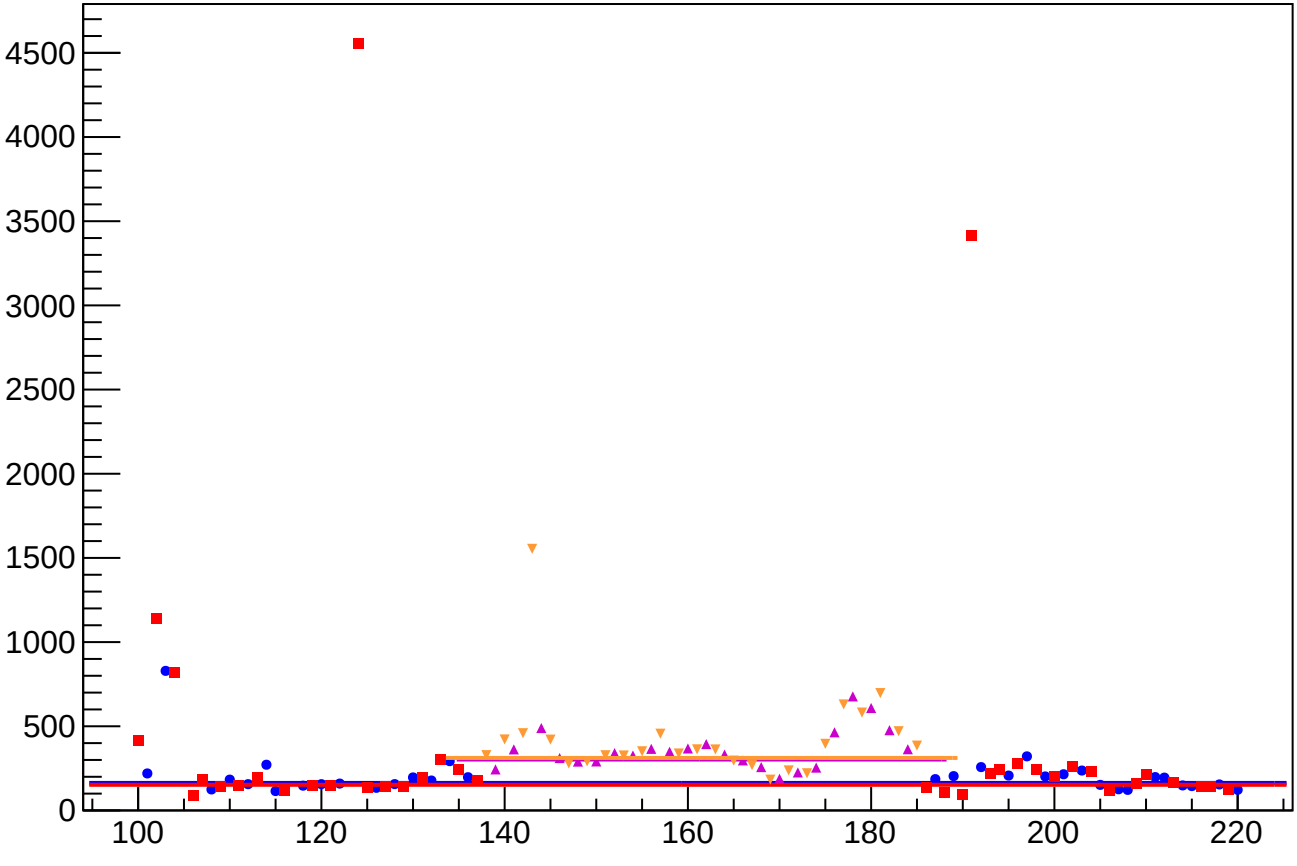
Right: 0.008+/-0.027 χ^2/NDF: 87.5/69

In: -0.028+/-0.034 χ^2/NDF:71.6/55

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: -0.004+/-0.024 χ^2/NDF: 151.0/117

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 163.588+/-0.027 χ^2/NDF: 2957109.8/32

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 152.426+/-0.026 χ^2/NDF: 5001314.9/36

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

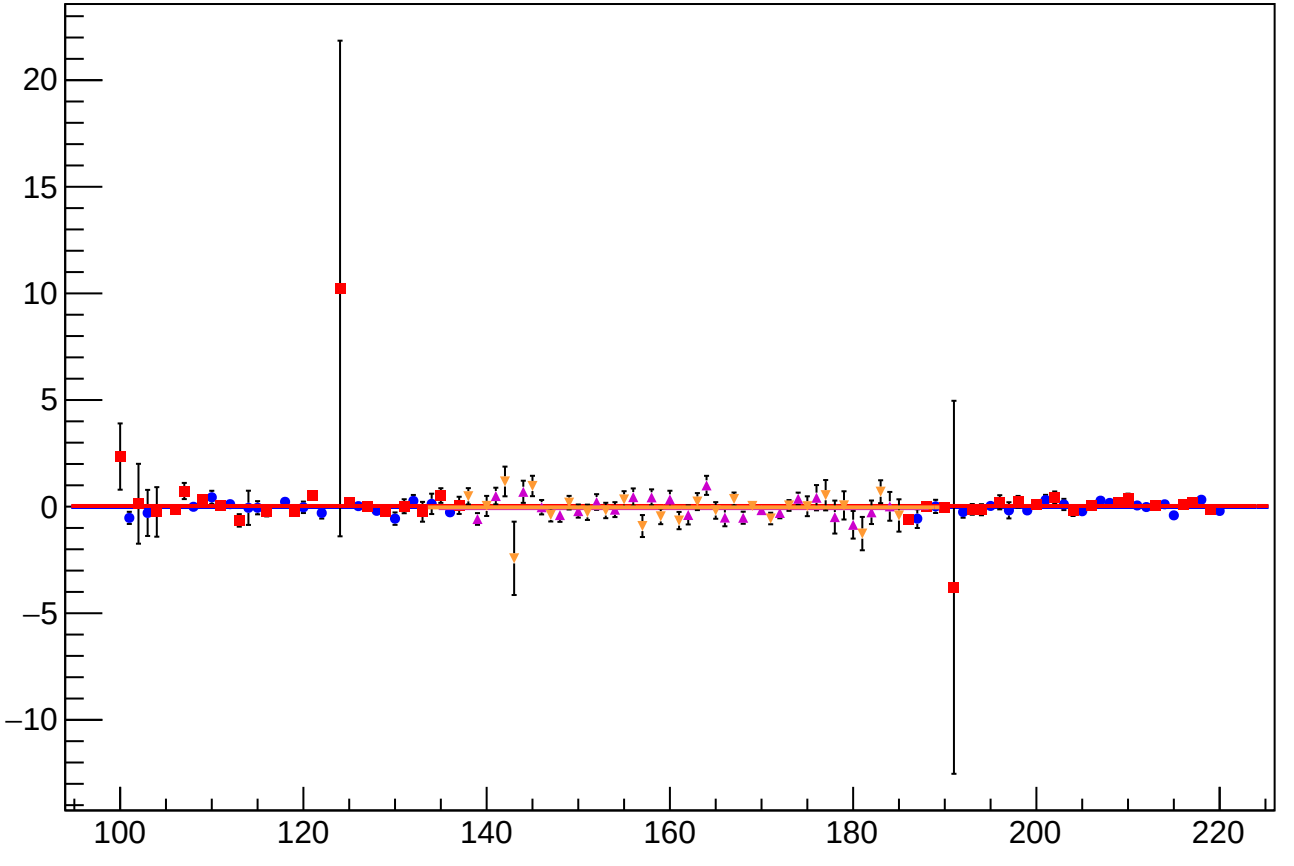
Right: 157.758+/-0.019 χ^2/NDF: 8046778.8/69

In: 192.453+/-0.024 χ^2/NDF:11205444.5/55

Out: 182.170+/-0.023 χ^2/NDF:16395913.4/61

All: 187.151+/-0.017 χ^2/NDF: 27694827.6/1

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.038 χ^2/NDF: 41.3/32

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

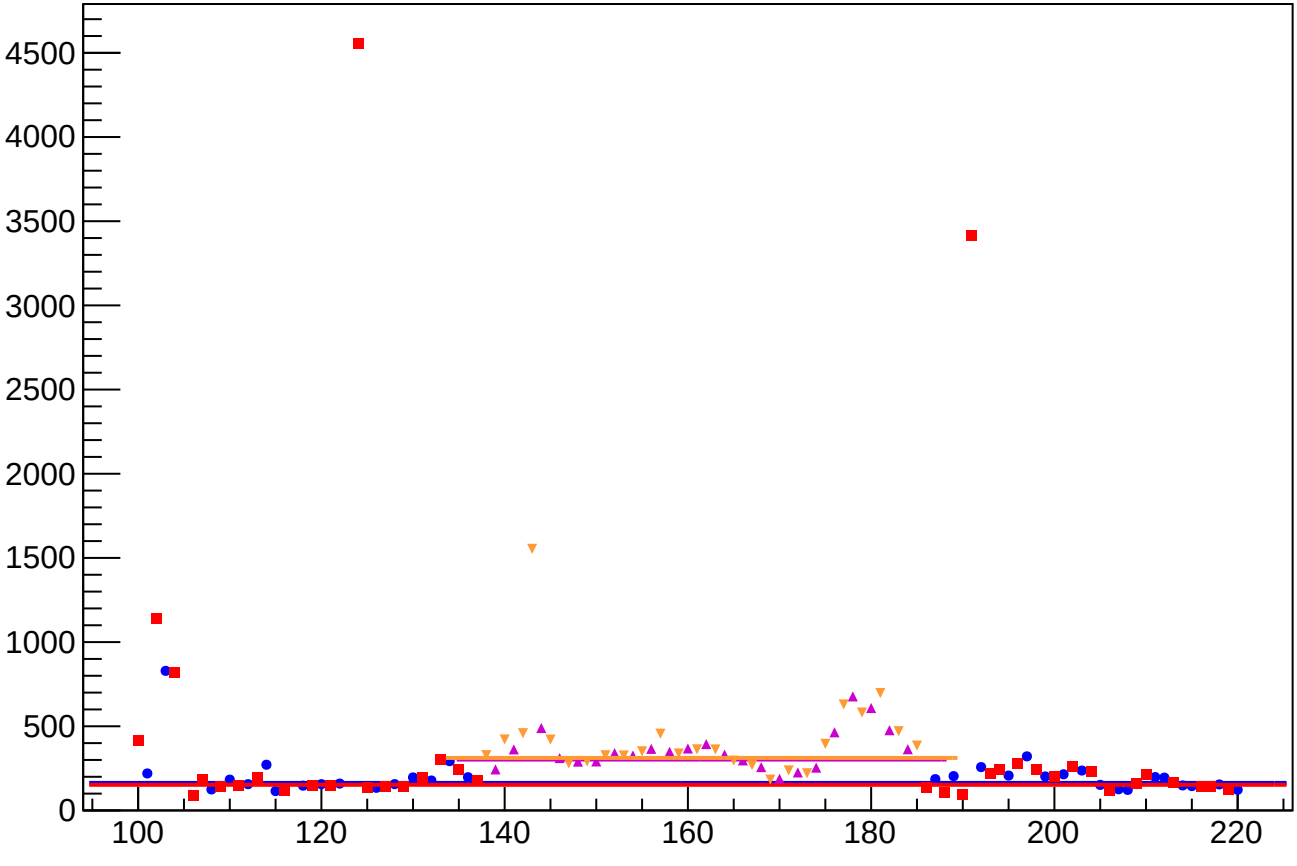
Right: 0.008+/-0.027 χ^2/NDF: 87.5/69

In: -0.028+/-0.034 χ^2/NDF:71.6/55

Out: 0.018+/-0.033 χ^2/NDF:78.5/61

All: -0.004+/-0.024 χ^2/NDF: 151.0/117

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 163.588+/-0.027 χ^2/NDF: 2957109.8/32

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 152.426+/-0.026 χ^2/NDF: 5001314.9/36

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

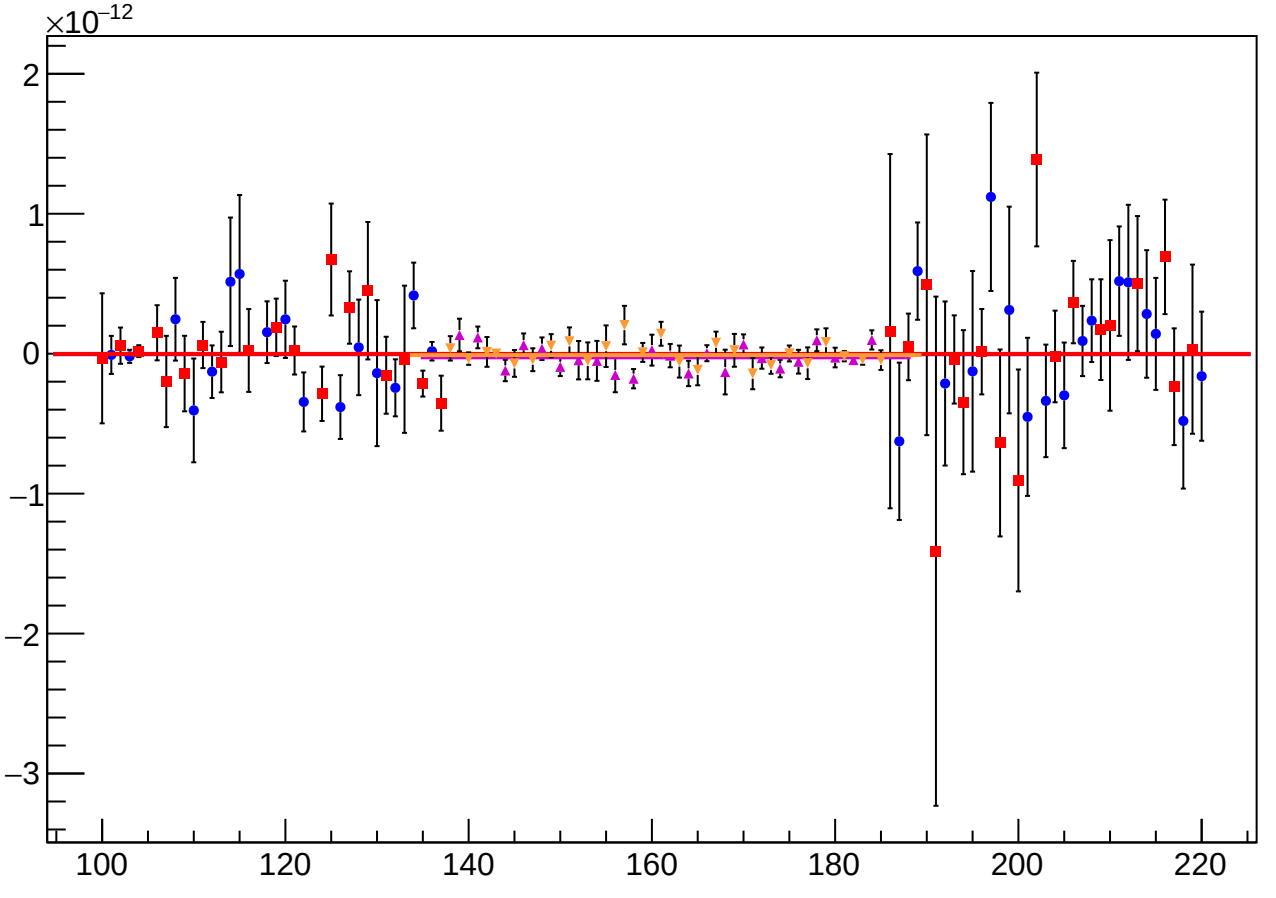
Right: 157.758+/-0.019 χ^2/NDF: 8046778.8/69

In: 192.453+/-0.024 χ^2/NDF:11205444.5/55

Out: 182.170+/-0.023 χ^2/NDF:16395913.4/61

All: 187.151+/-0.017 χ^2/NDF: 27694827.6/11

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/36

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

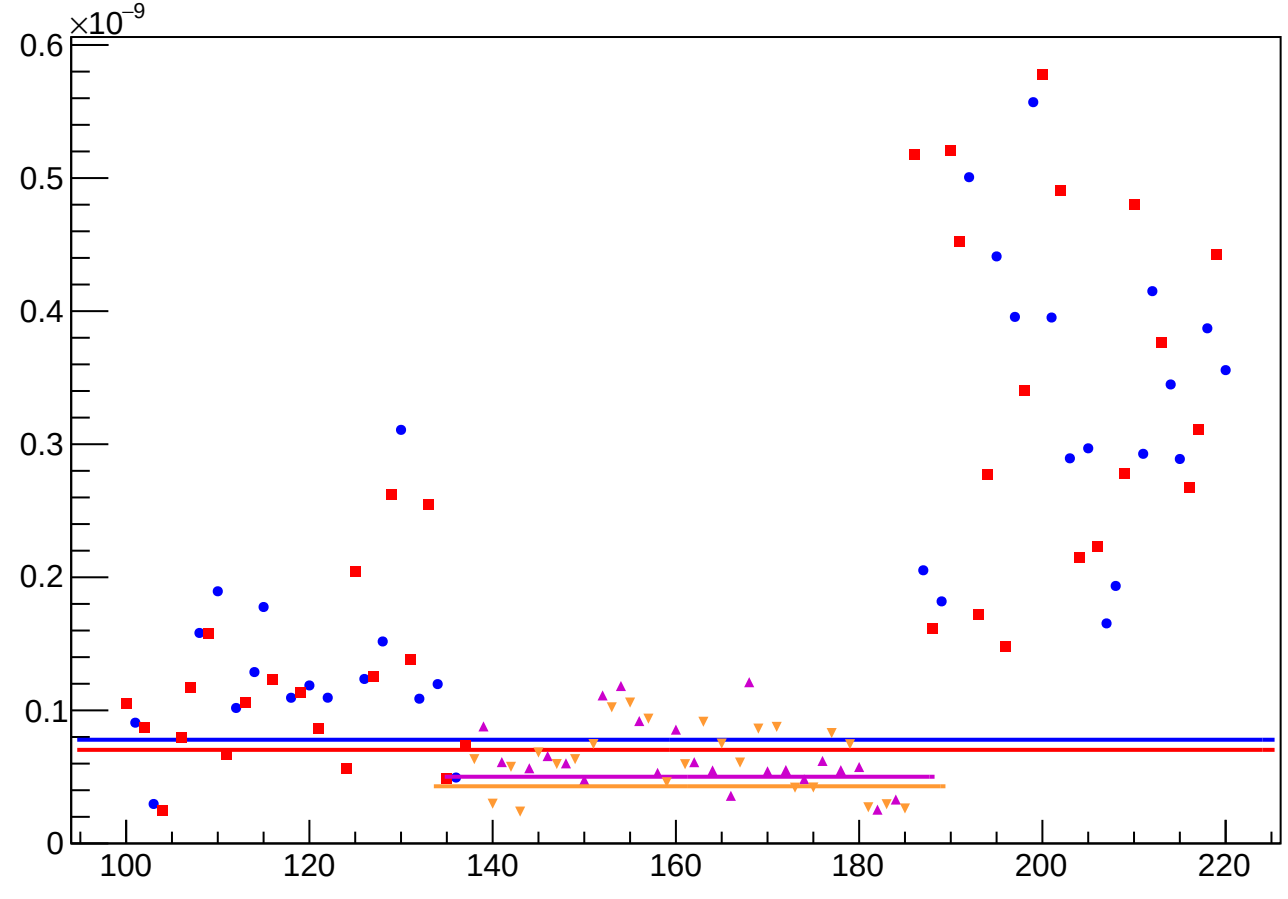
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 64.2/69

In: -0.000+/-0.000 χ^2/NDF:58.5/55

Out: -0.000+/-0.000 χ^2/NDF:50.0/61

All: -0.000+/-0.000 χ^2/NDF: 109.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 13431519.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12852594.4/36

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

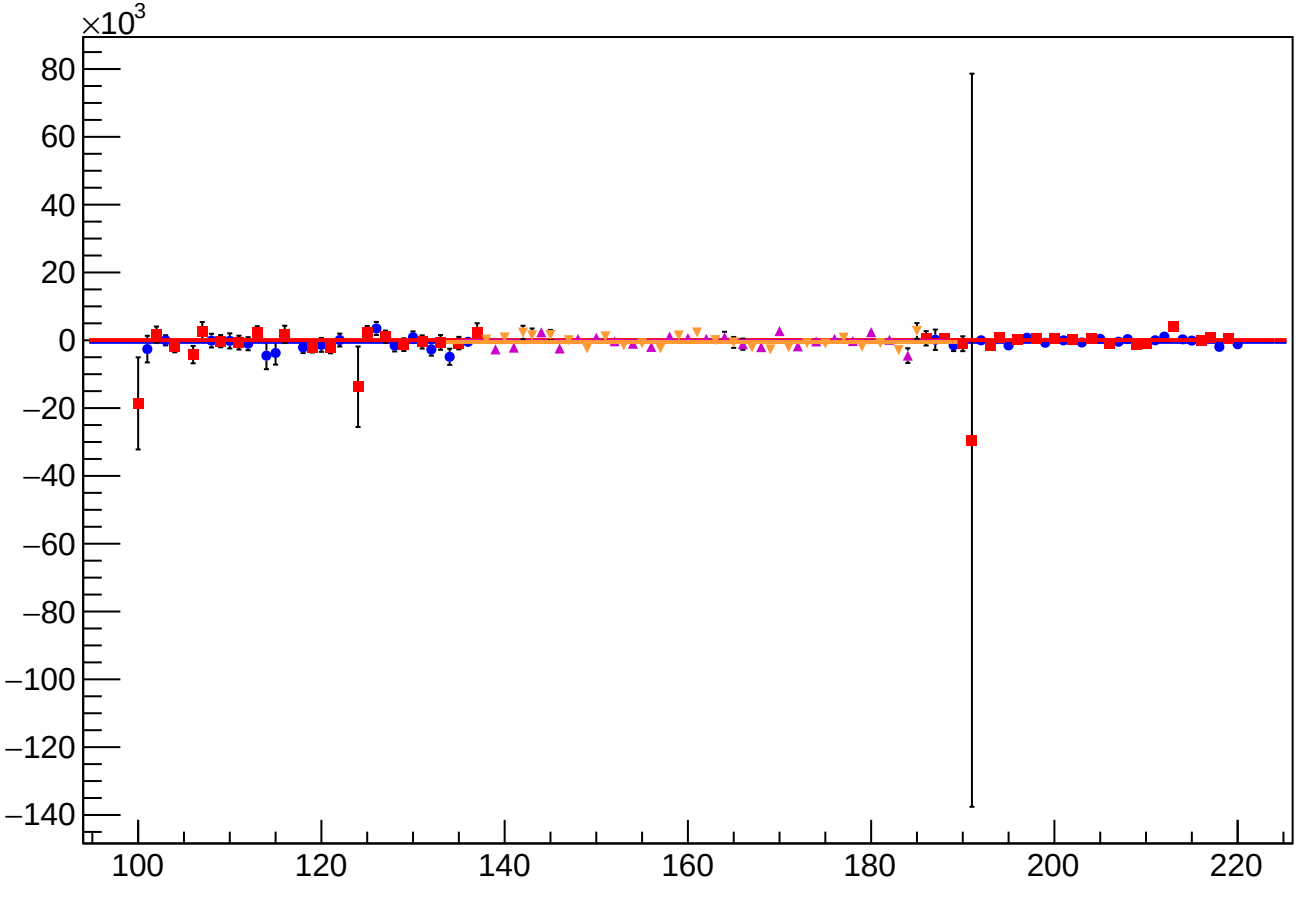
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 26345385.3/69

In: 0.000+/-0.000 χ^2/NDF:18314468.9/55

Out: 0.000+/-0.000 χ^2/NDF:19310575.8/61

All: 0.000+/-0.000 χ^2/NDF: 37995120.8/117



Right In: -461.897+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 60.765+/-280.571 χ^2/NDF: 30.2/36

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

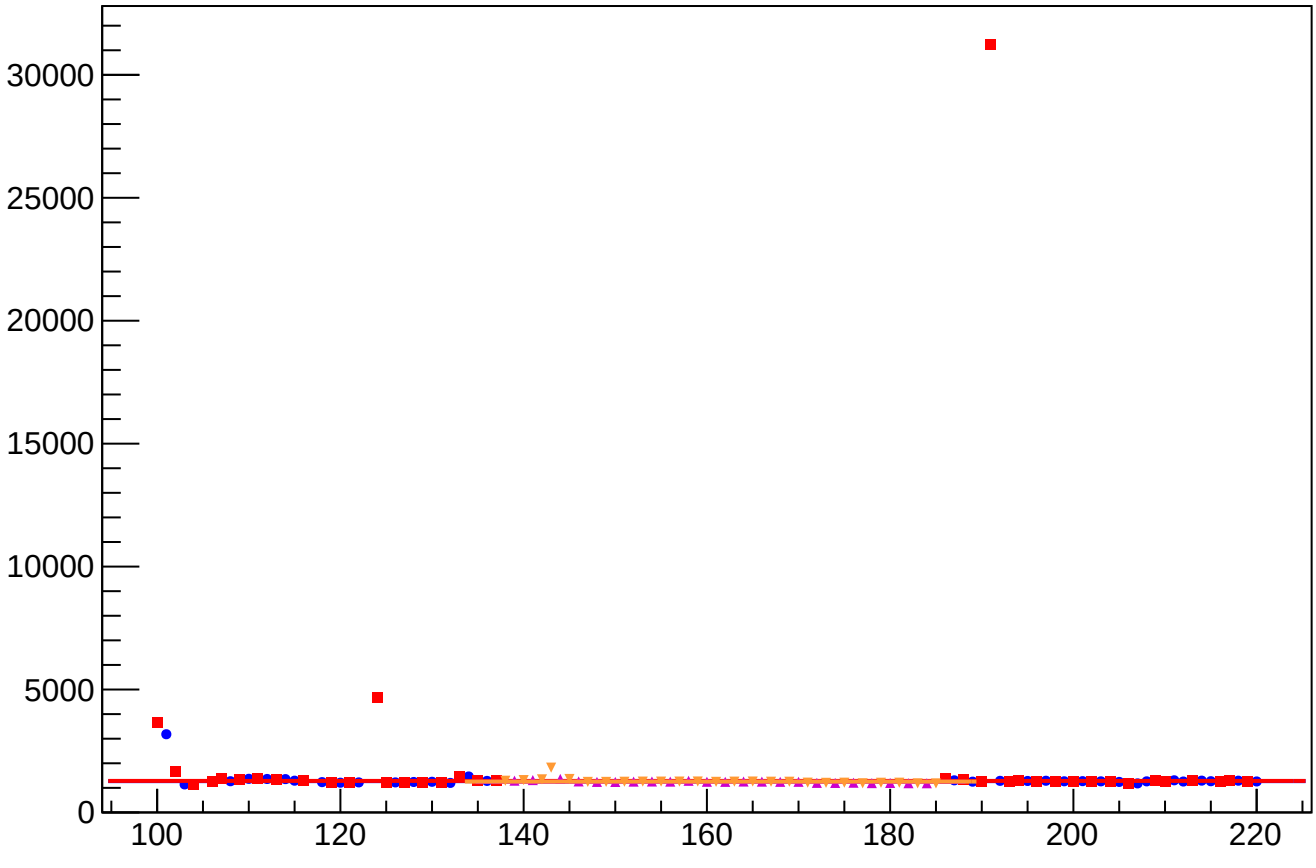
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -201.687+/-197.968 χ^2/NDF: 51.8/69

In: -356.821+/-201.586 χ^2/NDF:52.1/55

Out: -221.404+/-200.267 χ^2/NDF:63.2/61

All: -288.668+/-142.074 χ^2/NDF: 115.6/117



Right In: 1273.606+/-0.198 χ^2/NDF: 534706.4/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

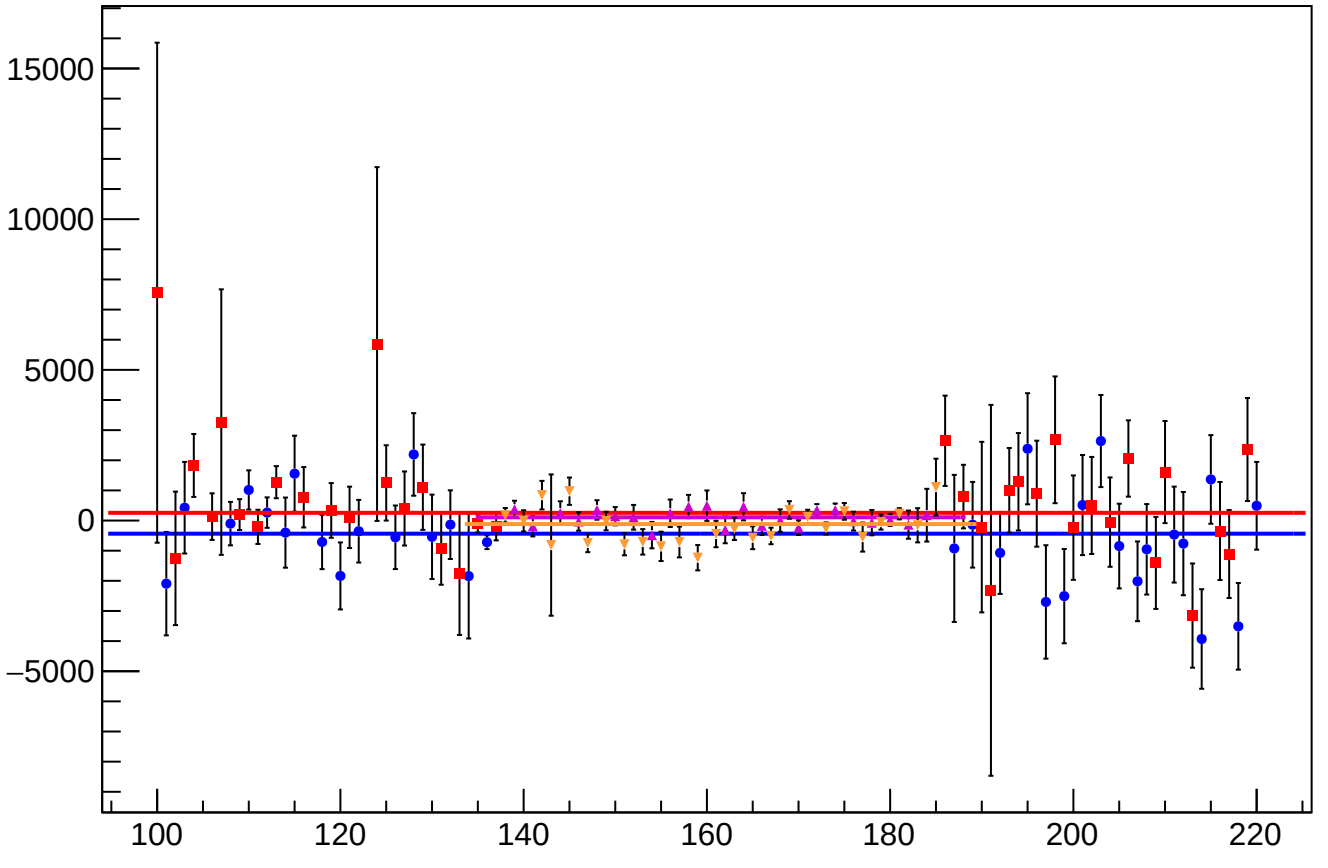
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.219+/-0.140 χ^2/NDF: 1044547.1/69

In: 1260.544+/-0.143 χ^2/NDF:583685.7/55

Out: 1269.452+/-0.142 χ^2/NDF:721196.4/61

All: 1265.027+/-0.100 χ^2/NDF: 1306847.6/11



Right In: -435.722+/-153.635 χ^2/NDF: 41.1/32

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 256.088+/-154.653 χ^2/NDF: 30.4/36

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

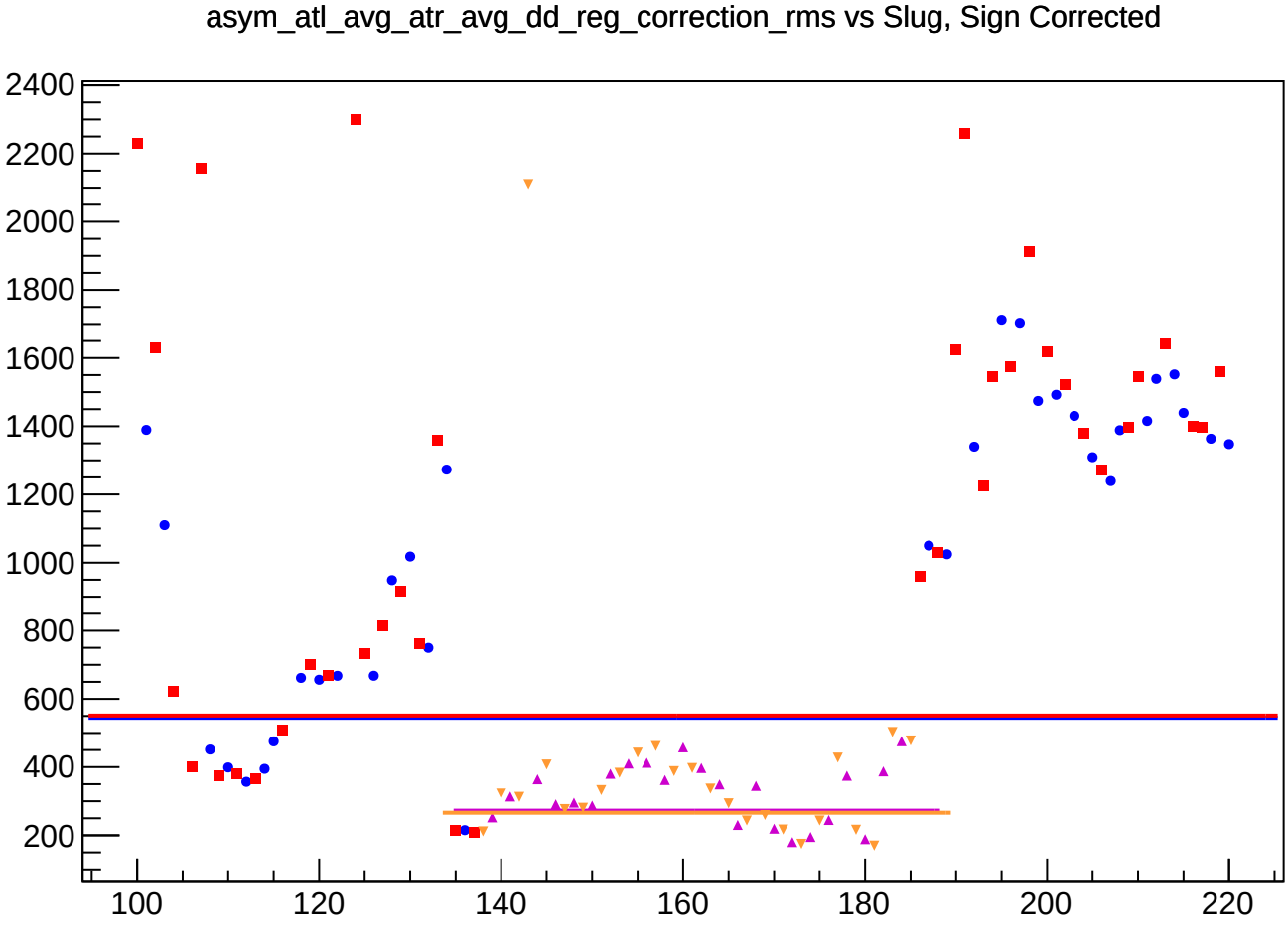
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

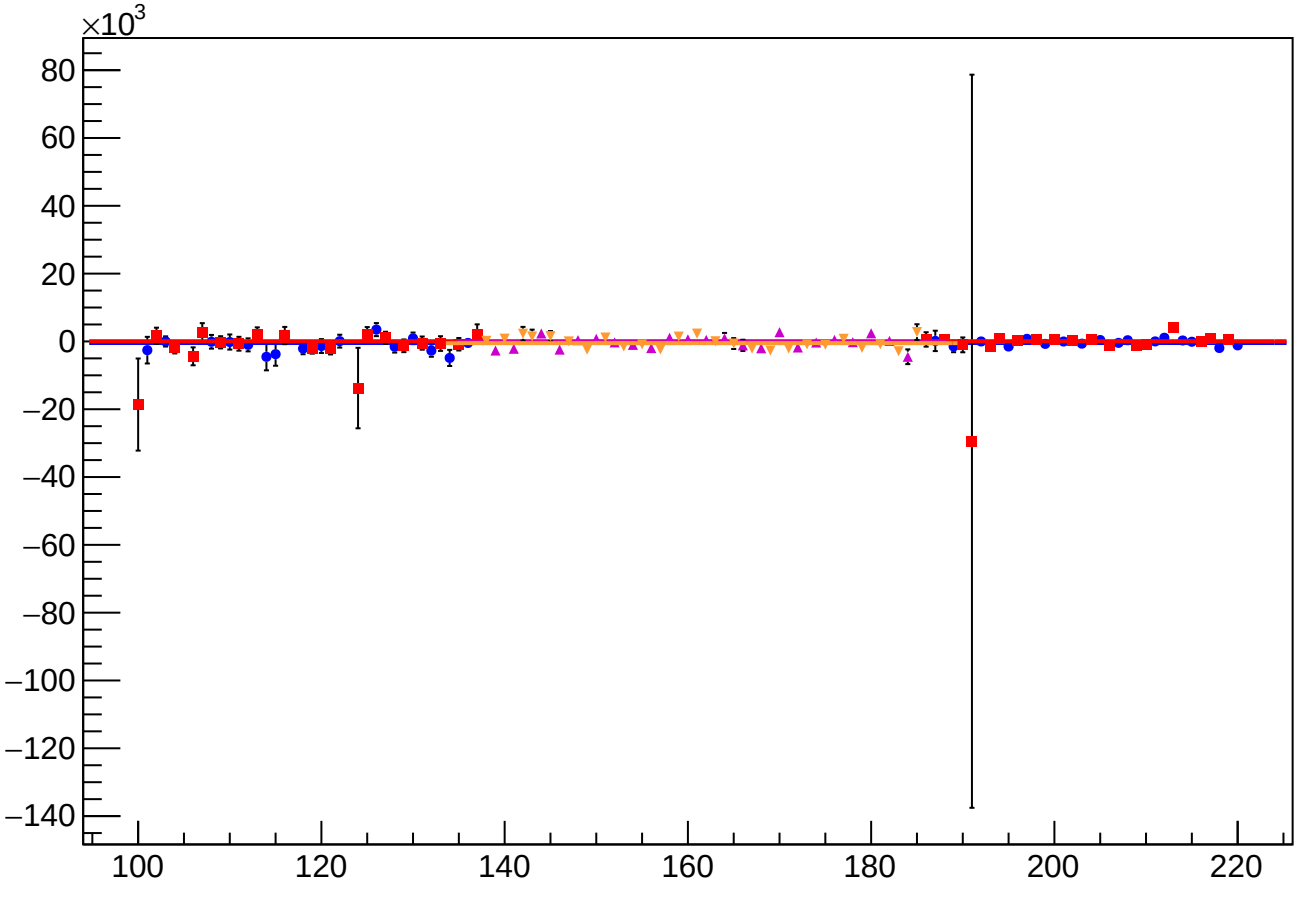
Right: -92.100+/-108.994 χ^2/NDF: 81.6/69

In: 20.562+/-61.415 χ^2/NDF:65.4/55

Out: -60.926+/-59.969 χ^2/NDF:83.8/61

All: -21.153+/-42.906 χ^2/NDF: 150.0/117


asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 544.541+/-0.109 χ²/NDF: 16555897.1/32
Left Out: 266.321+/-0.046 χ²/NDF:4630130.4/24
Right Out: 551.143+/-0.109 χ²/NDF: 16516225.8/36
Left In: 272.368+/-0.047 χ²/NDF:2887823.5/22
Left: 269.255+/-0.033 χ²/NDF: 7526339.3/47
Right: 547.820+/-0.077 χ²/NDF: 33073957.5/69
In: 315.860+/-0.043 χ²/NDF:24717523.1/55
Out: 309.147+/-0.042 χ²/NDF:26910020.6/61
All: 312.423+/-0.030 χ²/NDF: 51639776.4/11



Right In: -461.752+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

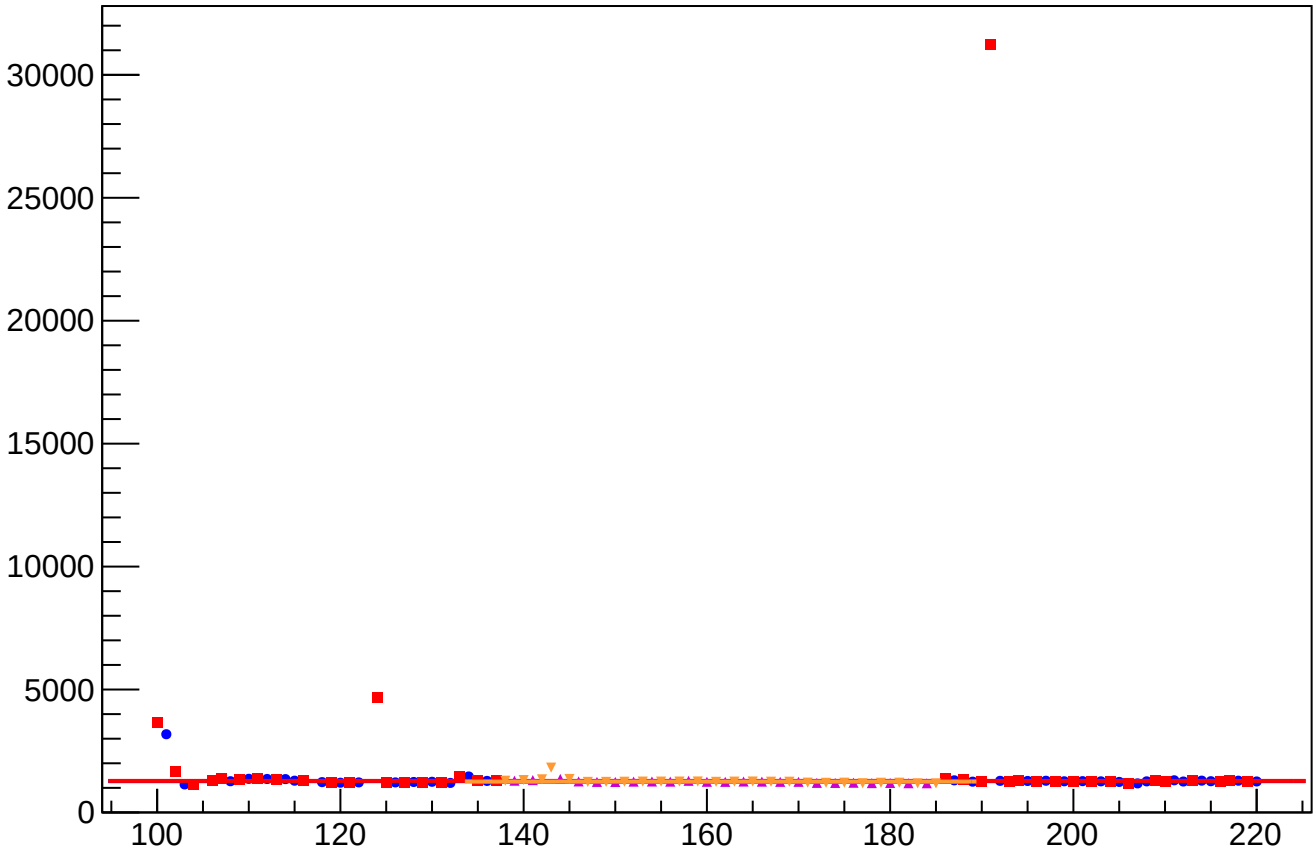
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -201.135+/-198.003 χ^2/NDF: 51.8/69

In: -356.735+/-201.586 χ^2/NDF:52.1/55

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -288.381+/-142.087 χ^2/NDF: 115.6/117



Right In: 1273.606+/-0.198 χ^2/NDF: 534707.8/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

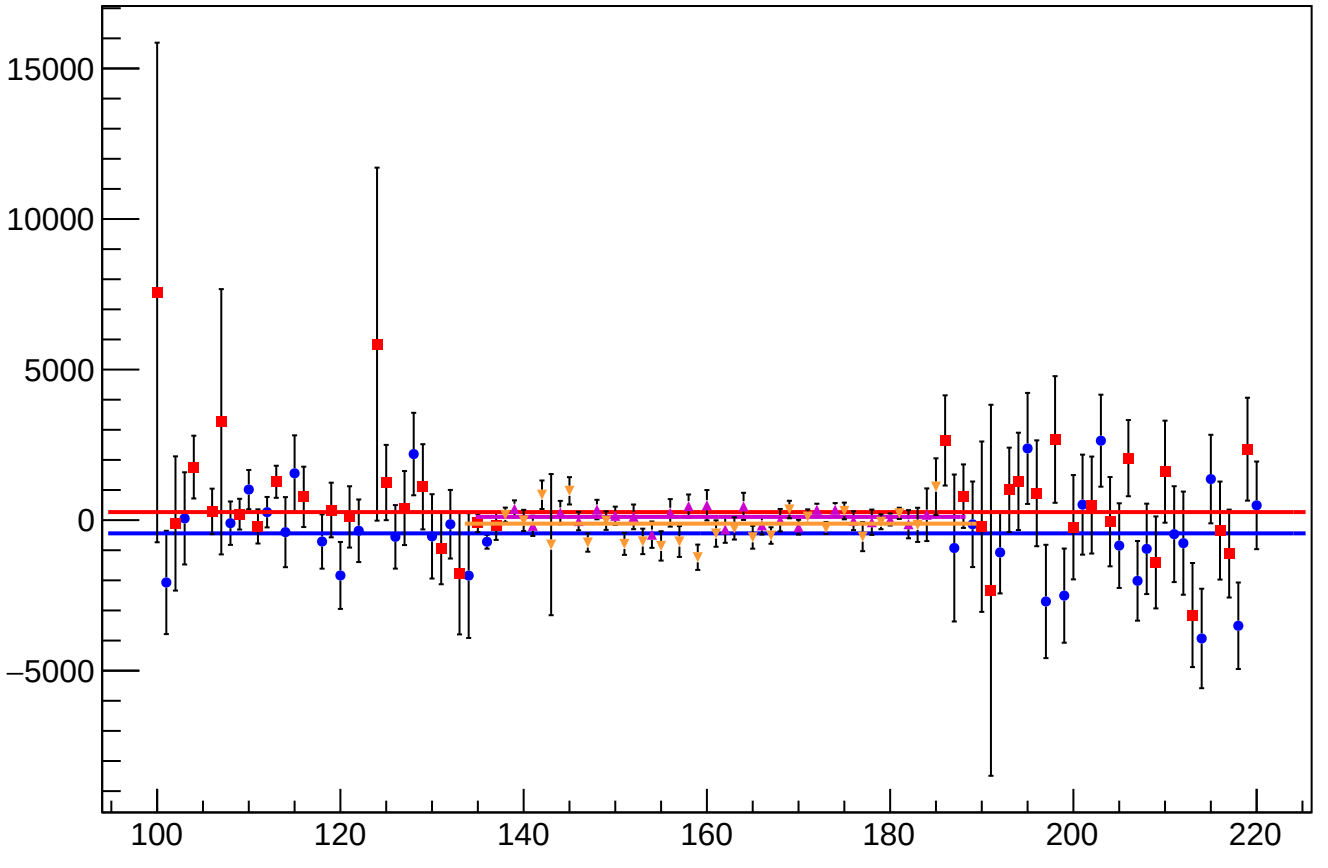
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.453+/-0.140 χ^2/NDF: 1044664.6/69

In: 1260.544+/-0.143 χ^2/NDF:583687.0/55

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.145+/-0.100 χ^2/NDF: 1307278.4/11



Right In: -439.450+/-153.650 χ^2/NDF: 40.9/32

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

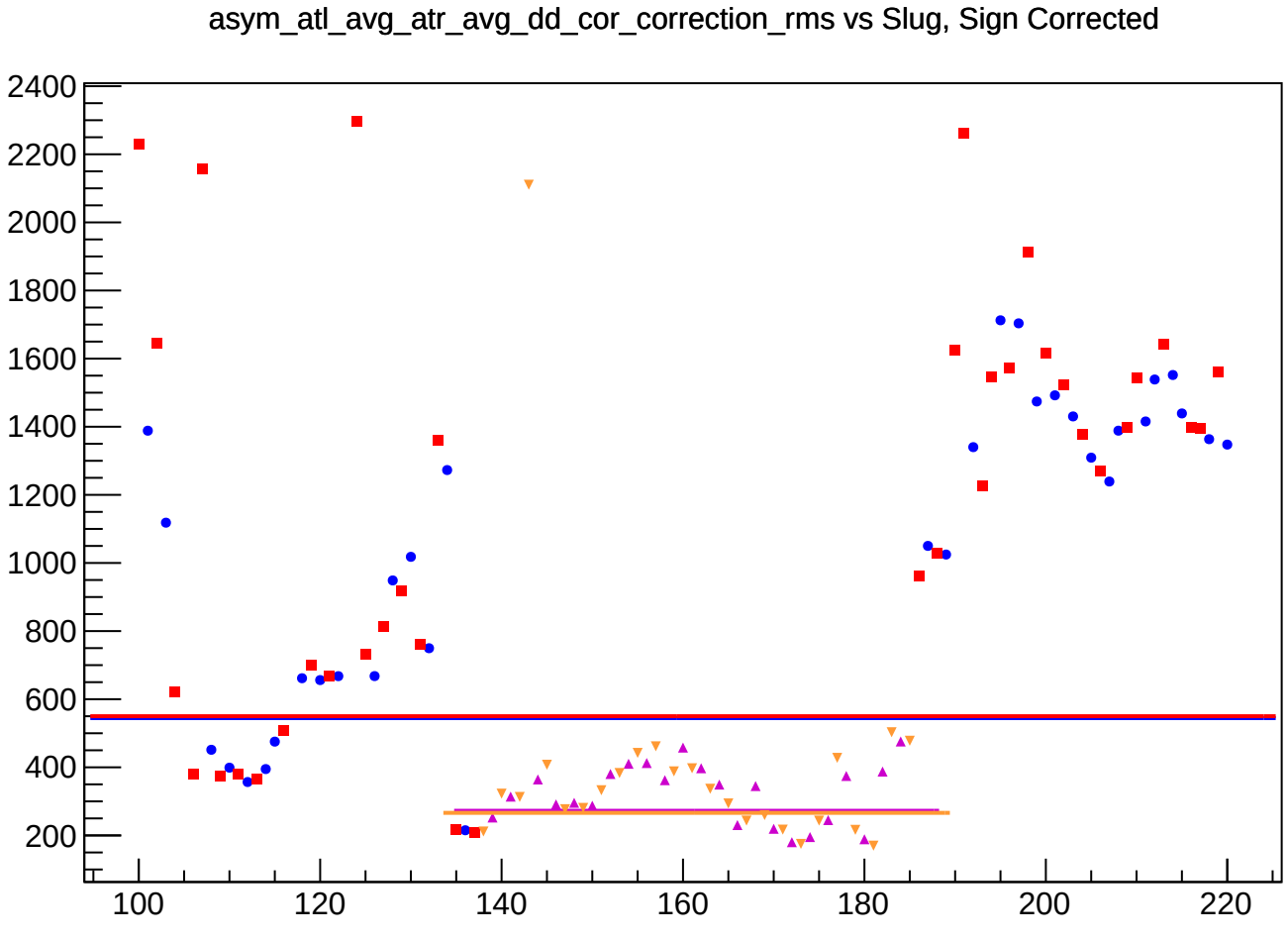
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -88.210+/-108.947 χ^2/NDF: 81.1/69

In: 20.076+/-61.417 χ^2/NDF:65.3/55

Out: -59.175+/-59.961 χ^2/NDF:83.4/61

All: -20.500+/-42.904 χ^2/NDF: 149.5/117



Right In: 544.566+/-0.109 χ^2/NDF: 16558808.2/32

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

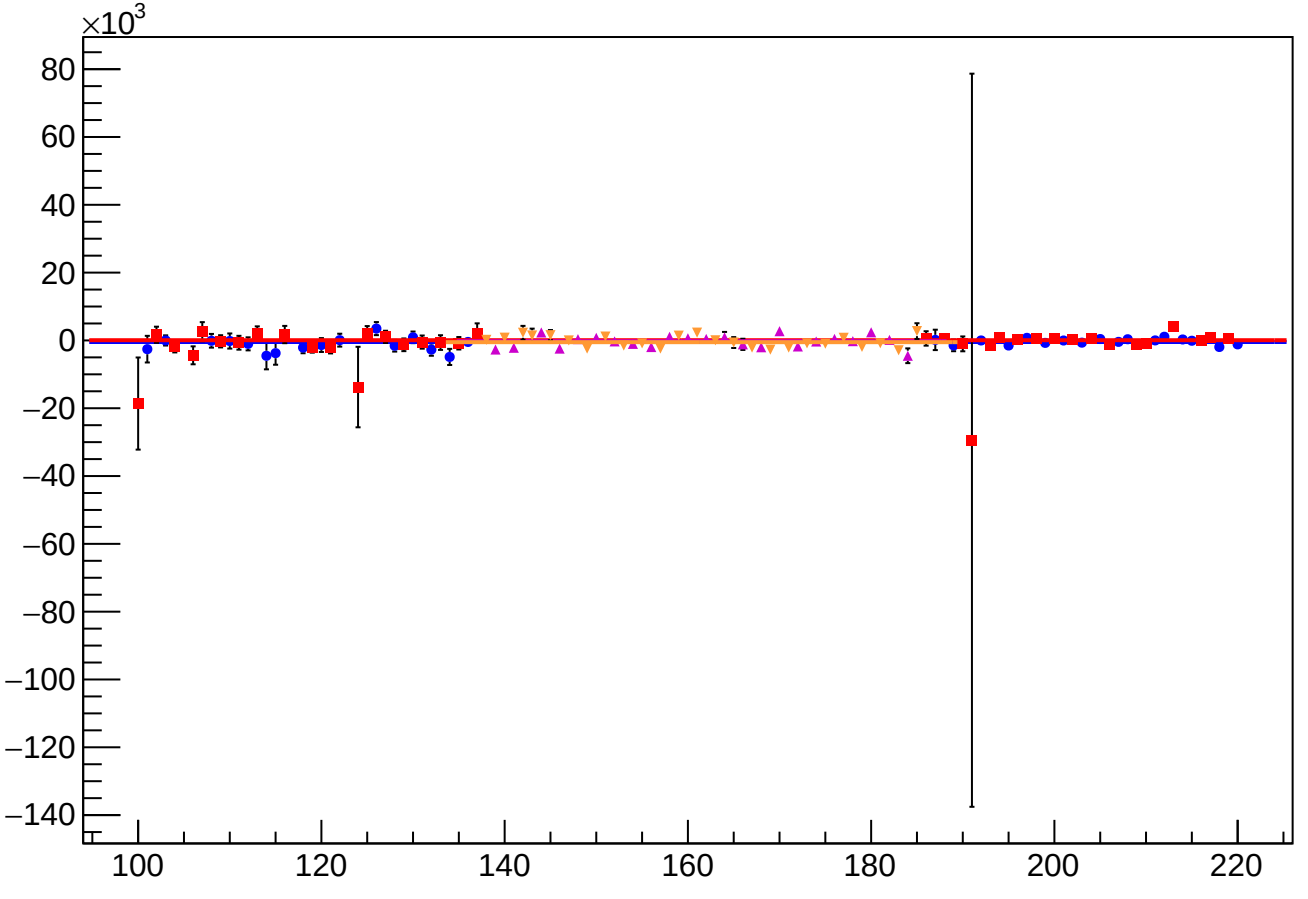
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 547.286+/-0.077 χ^2/NDF: 33108476.2/69

In: 315.867+/-0.043 χ^2/NDF:24719897.1/55

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 312.380+/-0.030 χ^2/NDF: 51639166.8/11



Right In: -461.752+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

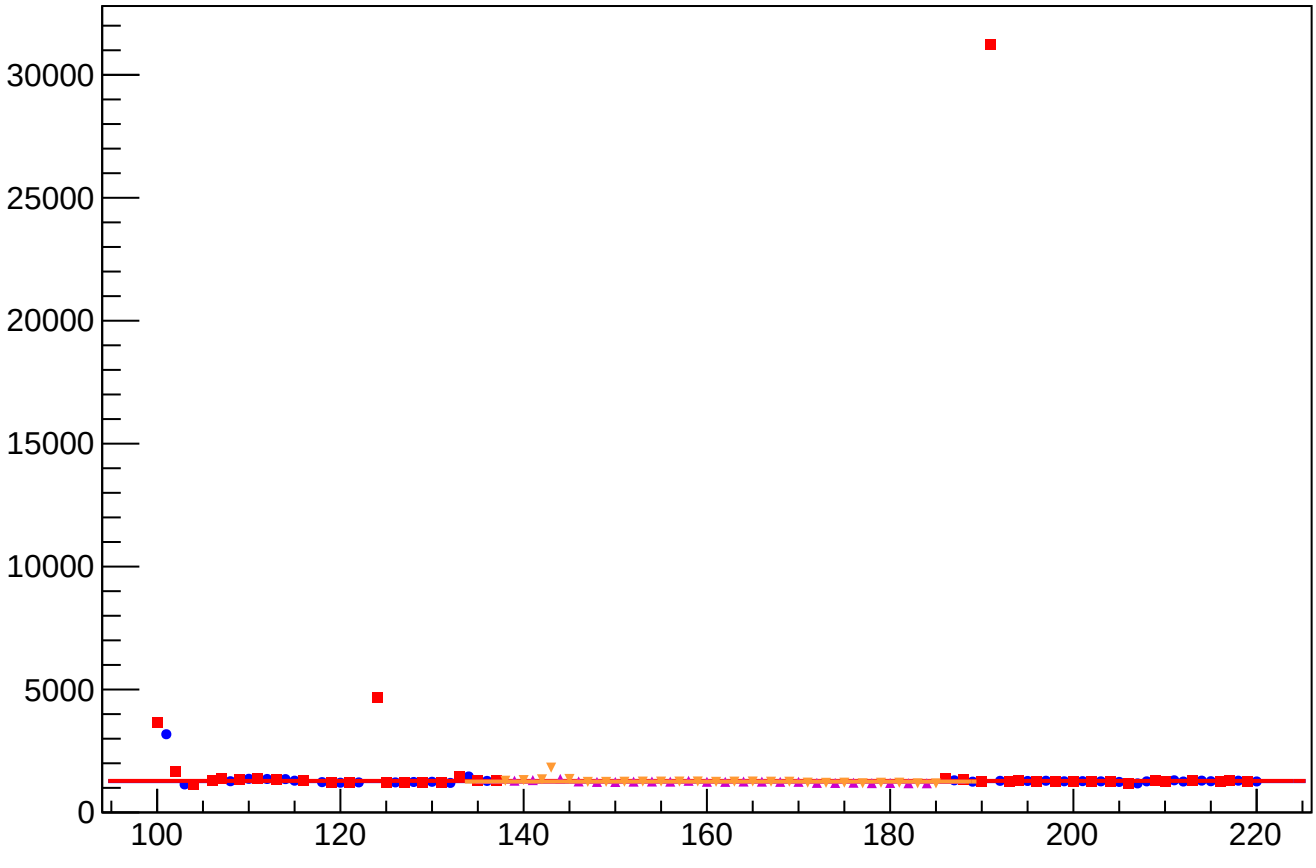
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -201.135+/-198.003 χ^2/NDF: 51.8/69

In: -356.735+/-201.586 χ^2/NDF:52.1/55

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -288.381+/-142.087 χ^2/NDF: 115.6/117



Right In: 1273.606+/-0.198 χ^2/NDF: 534707.8/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

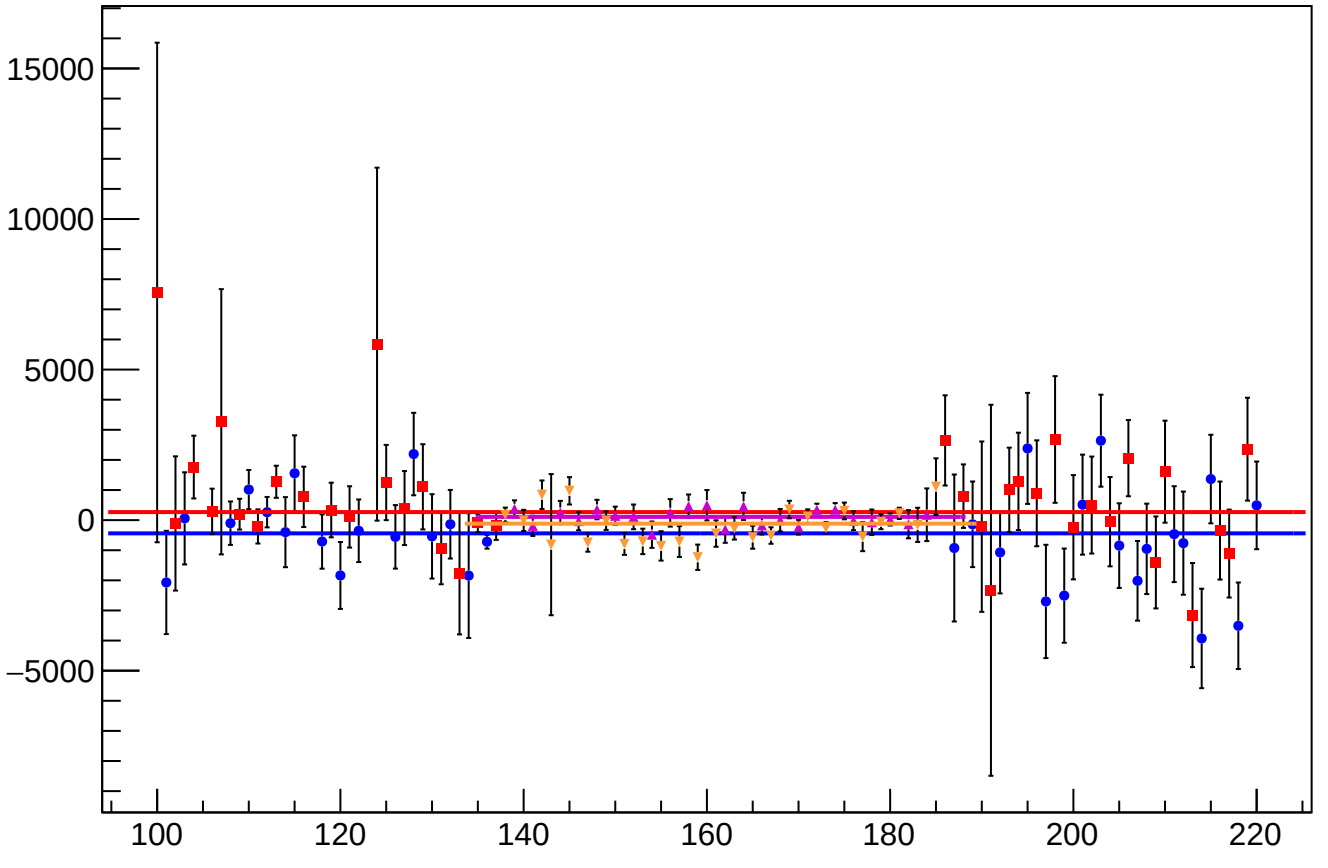
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.453+/-0.140 χ^2/NDF: 1044664.6/69

In: 1260.544+/-0.143 χ^2/NDF:583687.0/55

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.145+/-0.100 χ^2/NDF: 1307278.4/11



Right In: -439.450+/-153.650 χ^2/NDF: 40.9/32

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

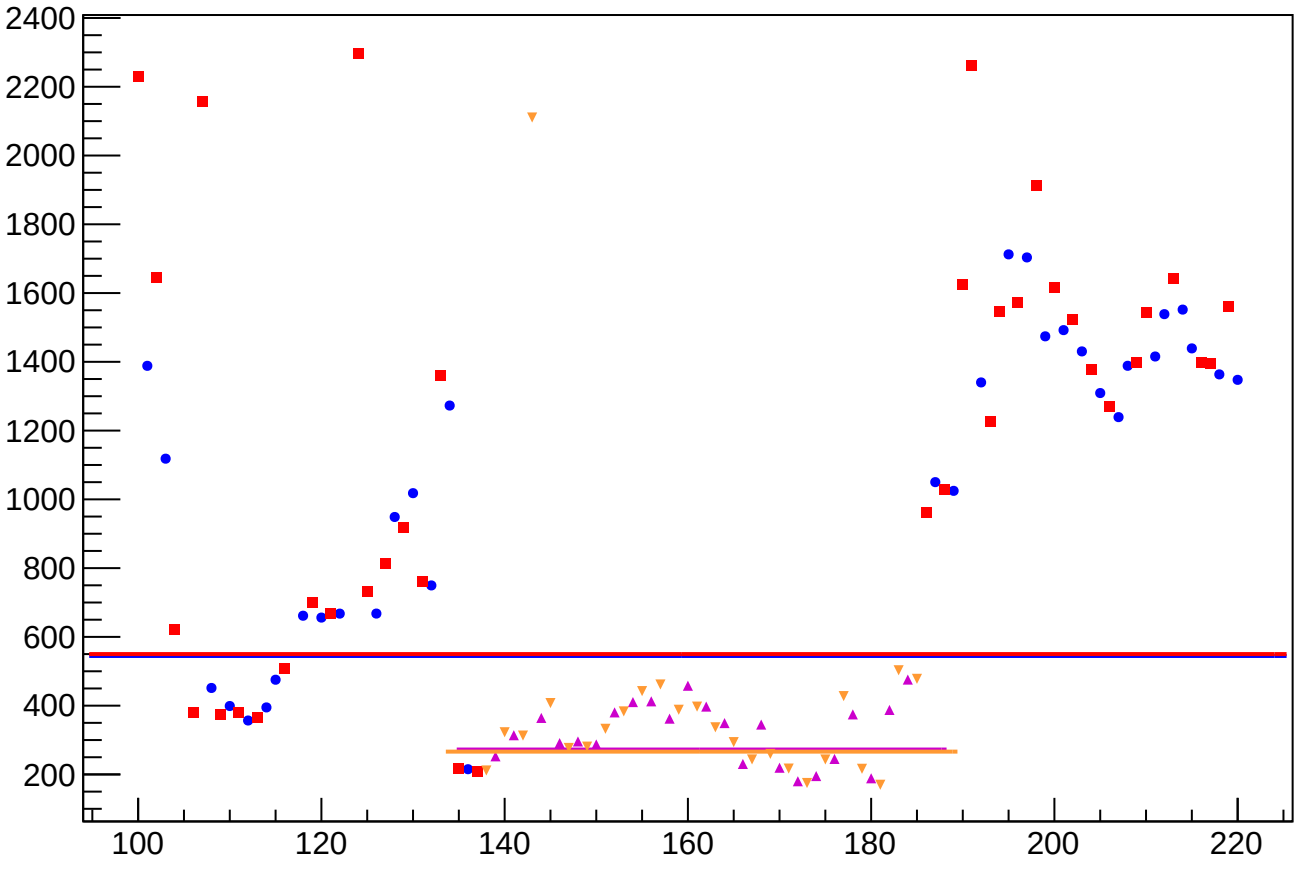
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -88.210+/-108.947 χ^2/NDF: 81.1/69

In: 20.076+/-61.417 χ^2/NDF:65.3/55

Out: -59.175+/-59.961 χ^2/NDF:83.4/61

All: -20.500+/-42.904 χ^2/NDF: 149.5/117



Right In: 544.566+/-0.109 χ^2/NDF: 16558808.2/32

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

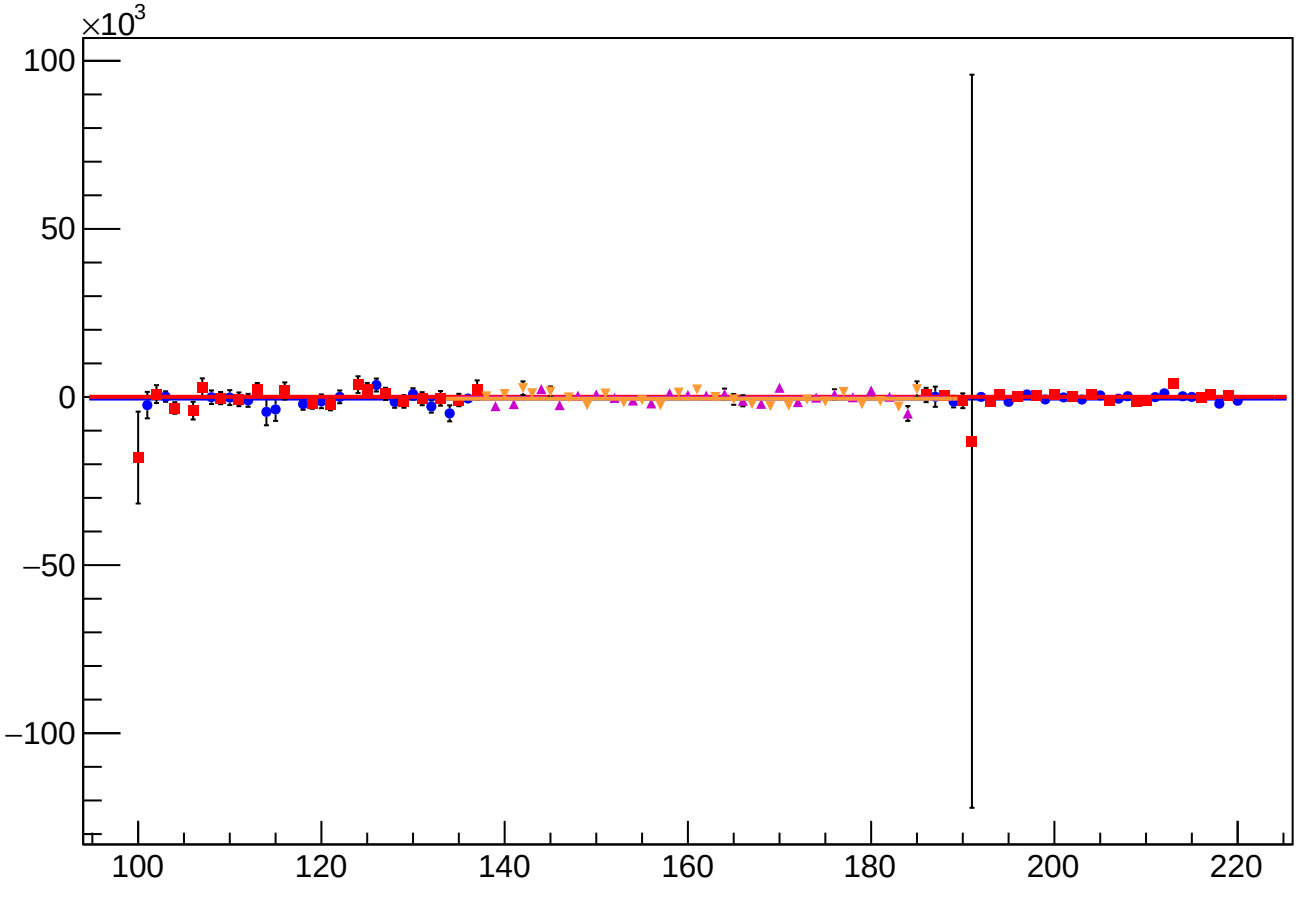
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 547.286+/-0.077 χ^2/NDF: 33108476.2/69

In: 315.867+/-0.043 χ^2/NDF:24719897.1/55

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 312.380+/-0.030 χ^2/NDF: 51639166.8/11



Right In: -454.084+/-280.069 χ^2/NDF: 19.8/32

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 62.295+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

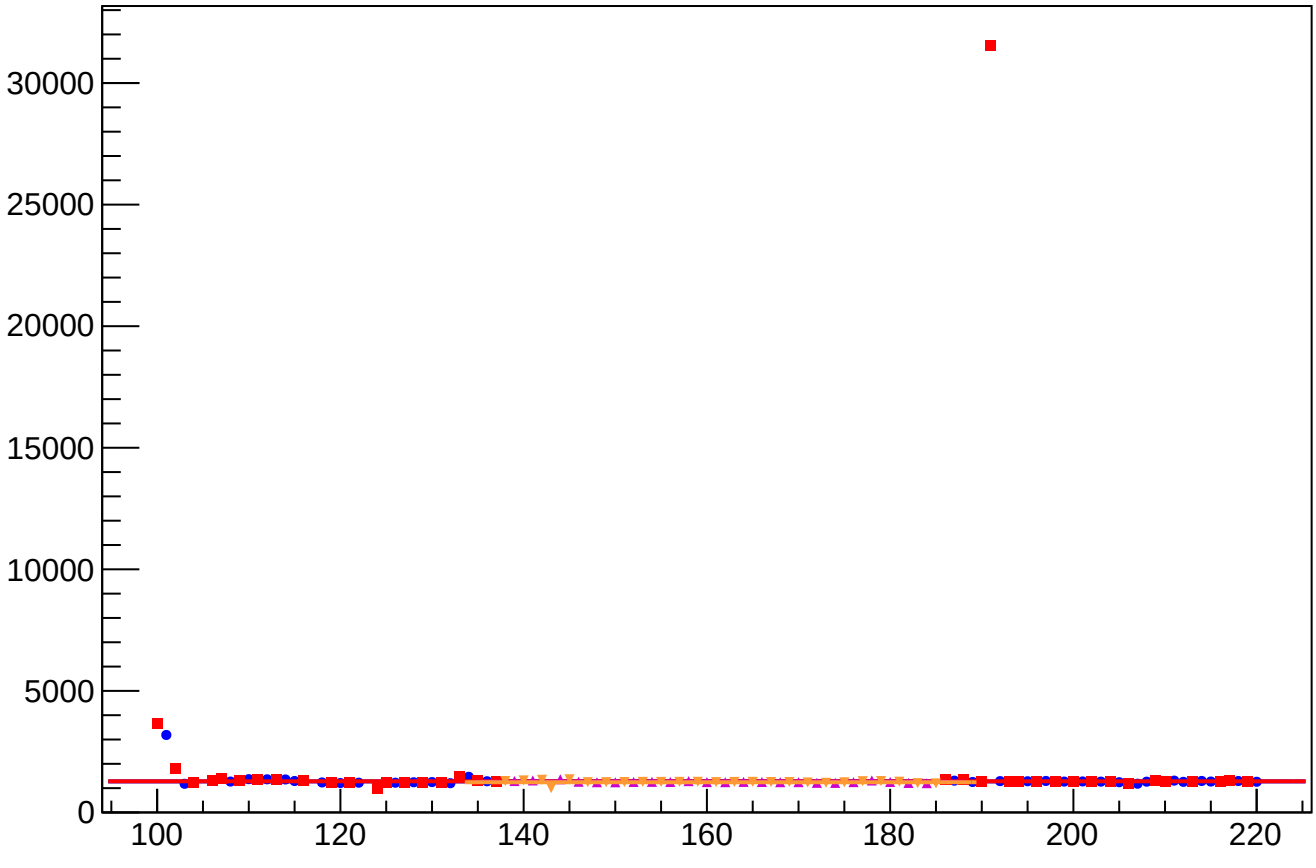
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -196.072+/-198.106 χ^2/NDF: 53.7/69

In: -353.310+/-202.896 χ^2/NDF:50.8/55

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -281.876+/-142.087 χ^2/NDF: 119.4/117



Right In: 1276.857+/-0.198 χ^2/NDF: 527304.2/32

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

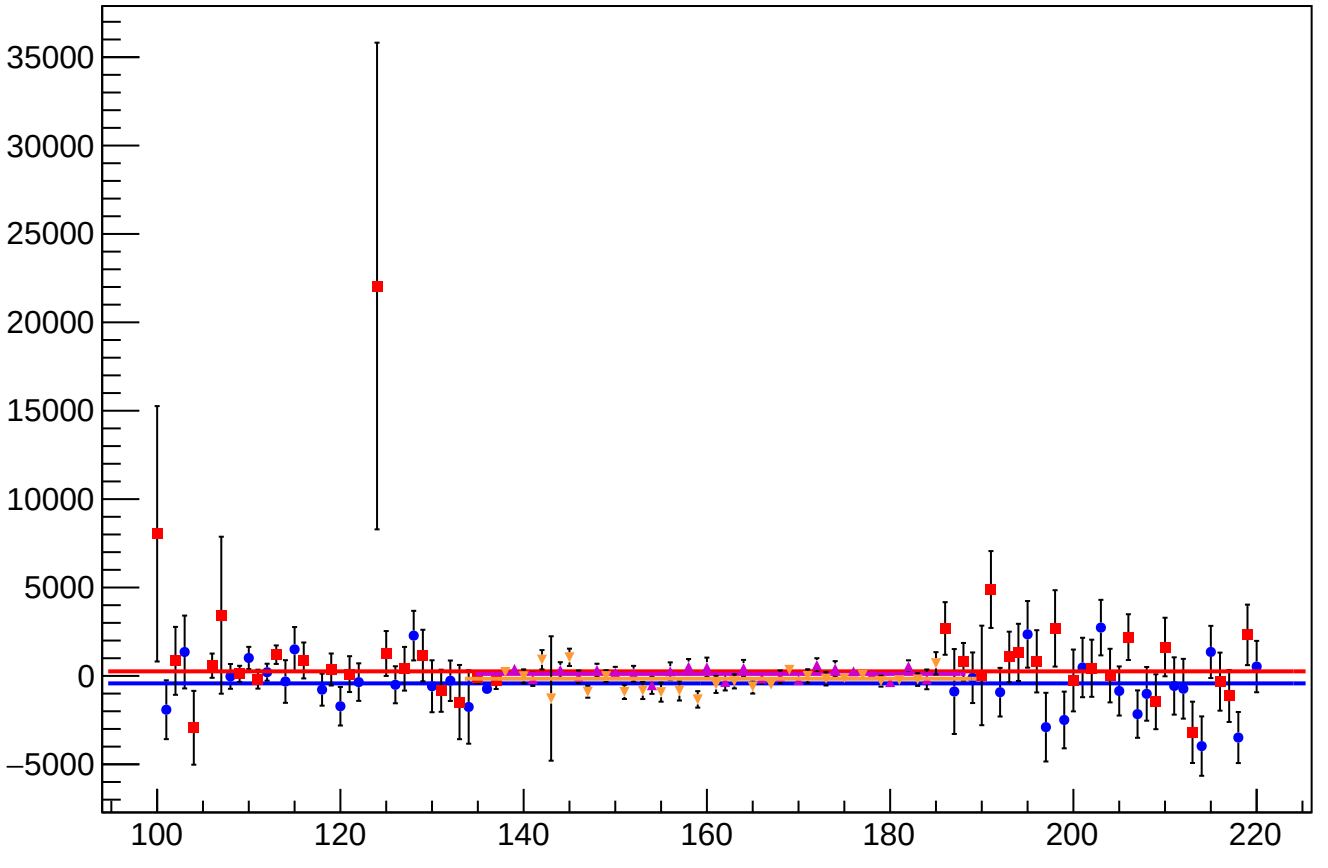
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1279.189+/-0.140 χ^2/NDF: 916642.5/69

In: 1268.892+/-0.143 χ^2/NDF:558641.1/55

Out: 1262.203+/-0.141 χ^2/NDF:538263.1/61

All: 1265.483+/-0.100 χ^2/NDF: 1098011.9/11



Right In: -422.744+/-155.227 χ^2/NDF: 41.4/32

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

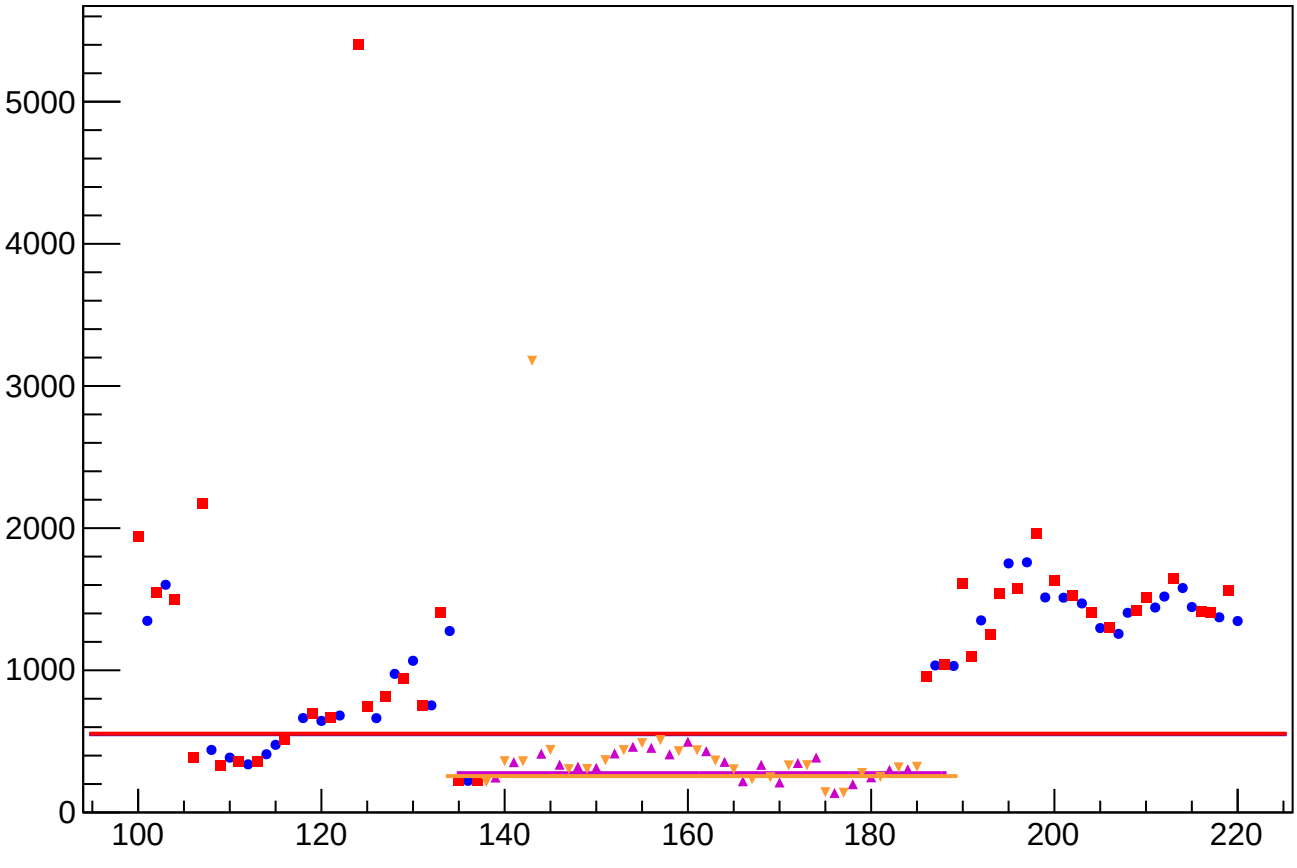
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -81.074+/-109.535 χ^2/NDF: 87.5/69

In: 25.552+/-62.930 χ^2/NDF:69.6/55

Out: -99.445+/-59.237 χ^2/NDF:86.5/61

All: -40.722+/-43.133 χ^2/NDF: 158.2/117



Right In: 550.609+/-0.110 χ^2/NDF: 16684198.7/32

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

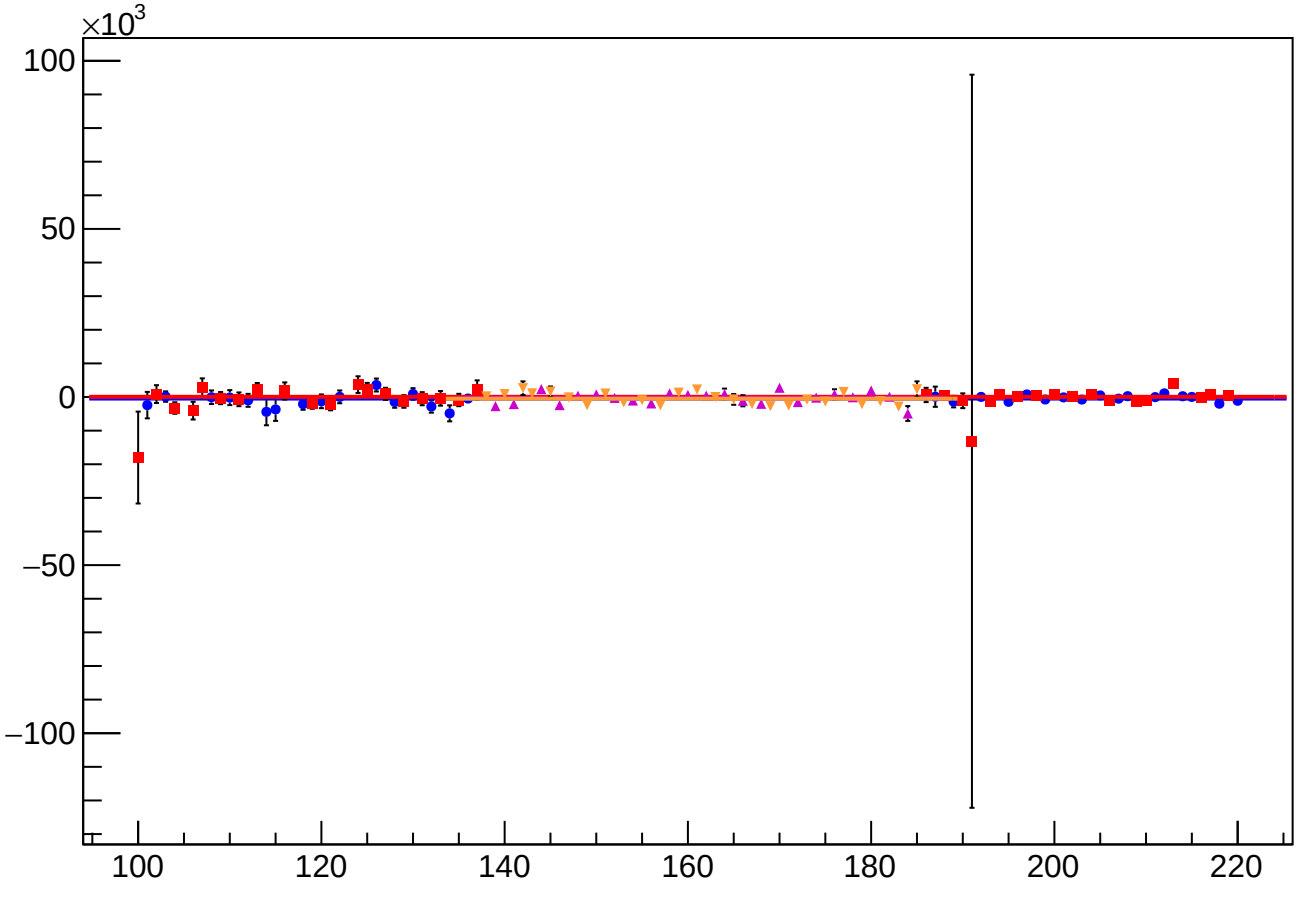
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 552.290+/-0.077 χ^2/NDF: 33741751.6/69

In: 321.382+/-0.044 χ^2/NDF:25930828.9/55

Out: 299.554+/-0.042 χ^2/NDF:29779900.1/61

All: 309.809+/-0.030 χ^2/NDF: 55838310.2/11



Right In: -454.082+/-280.069 χ^2/NDF: 19.8/32

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 62.294+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

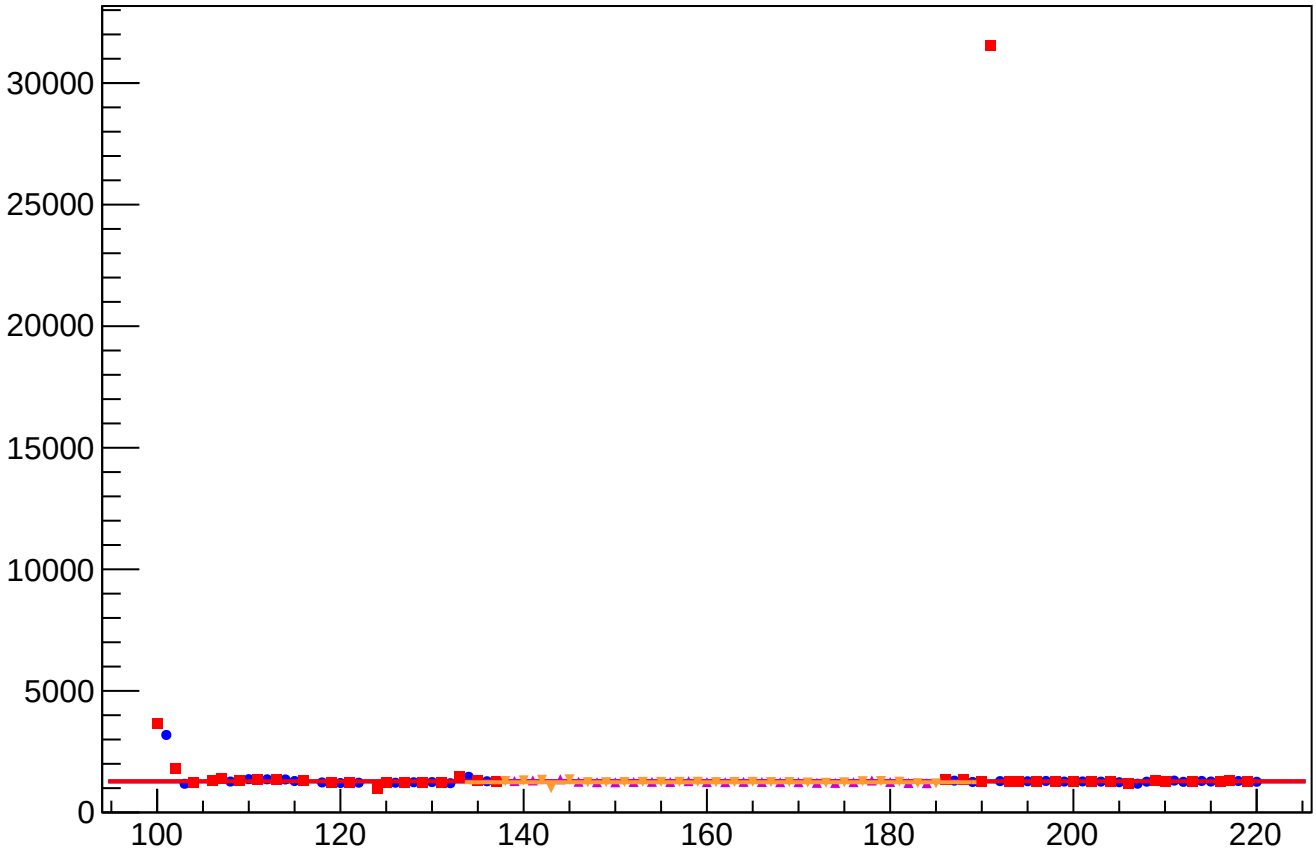
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -196.071+/-198.106 χ^2/NDF: 53.7/69

In: -353.309+/-202.896 χ^2/NDF:50.8/55

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -281.875+/-142.087 χ^2/NDF: 119.4/117



Right In: 1276.857+/-0.198 χ^2/NDF: 527304.2/32

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

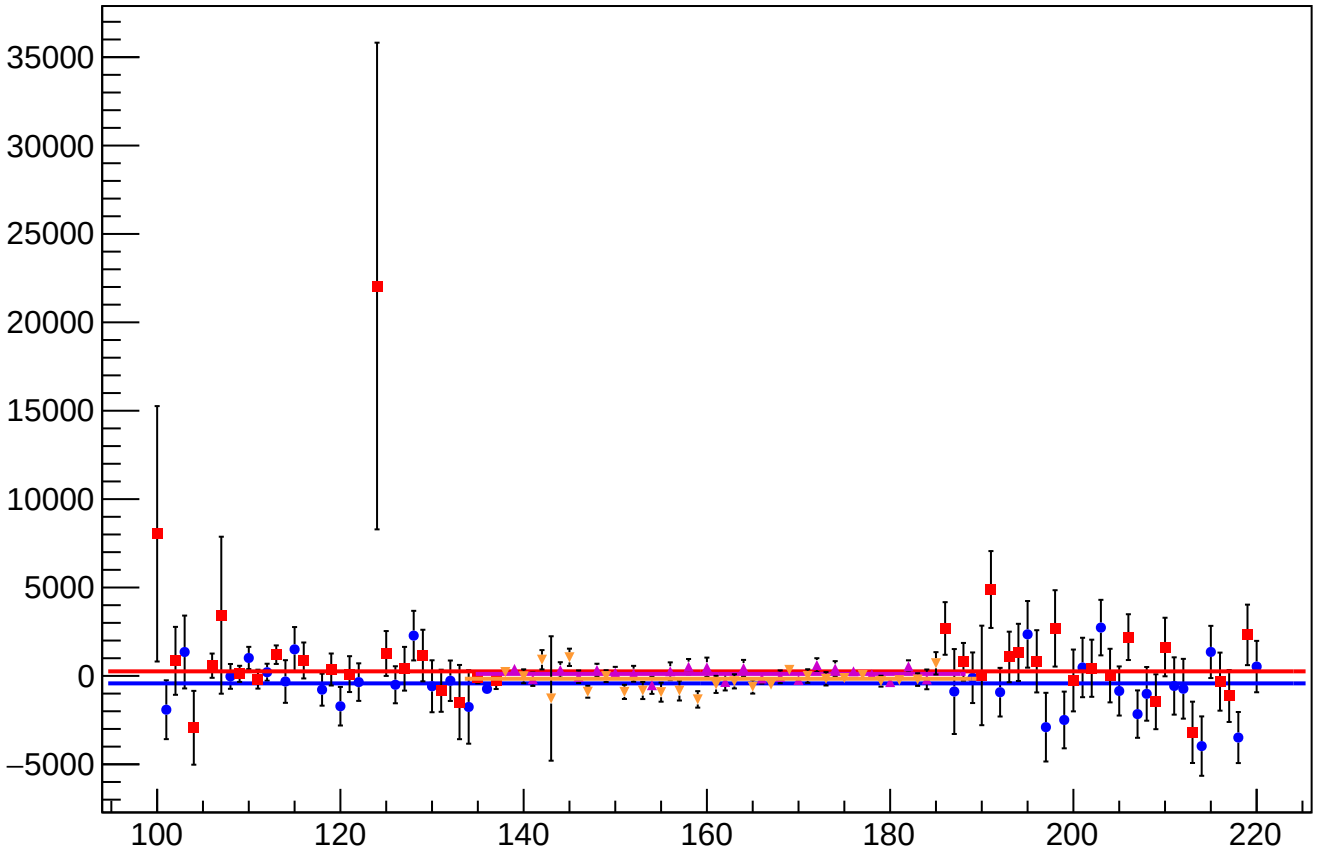
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1279.189+/-0.140 χ^2/NDF: 916642.8/69

In: 1268.892+/-0.143 χ^2/NDF:558641.2/55

Out: 1262.203+/-0.141 χ^2/NDF:538262.5/61

All: 1265.483+/-0.100 χ^2/NDF: 1098011.4/11



Right In: -422.747+/-155.229 χ^2/NDF: 41.4/32

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 257.793+/-154.588 χ^2/NDF: 36.5/36

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

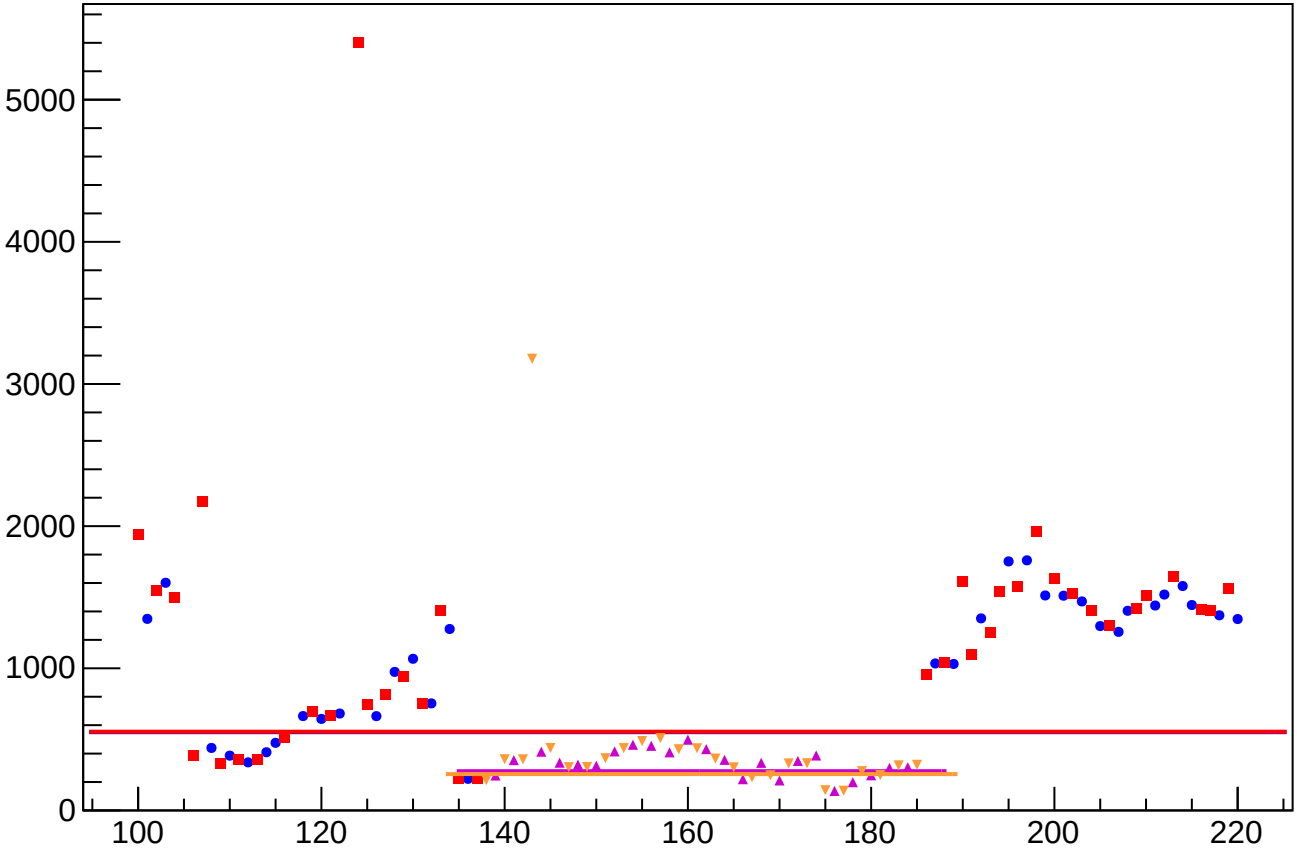
Right: -81.070+/-109.536 χ^2/NDF: 87.5/69

In: 25.552+/-62.930 χ^2/NDF:69.6/55

Out: -99.448+/-59.237 χ^2/NDF:86.5/61

All: -40.723+/-43.134 χ^2/NDF: 158.2/117

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 550.622+/-0.110 χ^2/NDF: 16683701.9/32

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

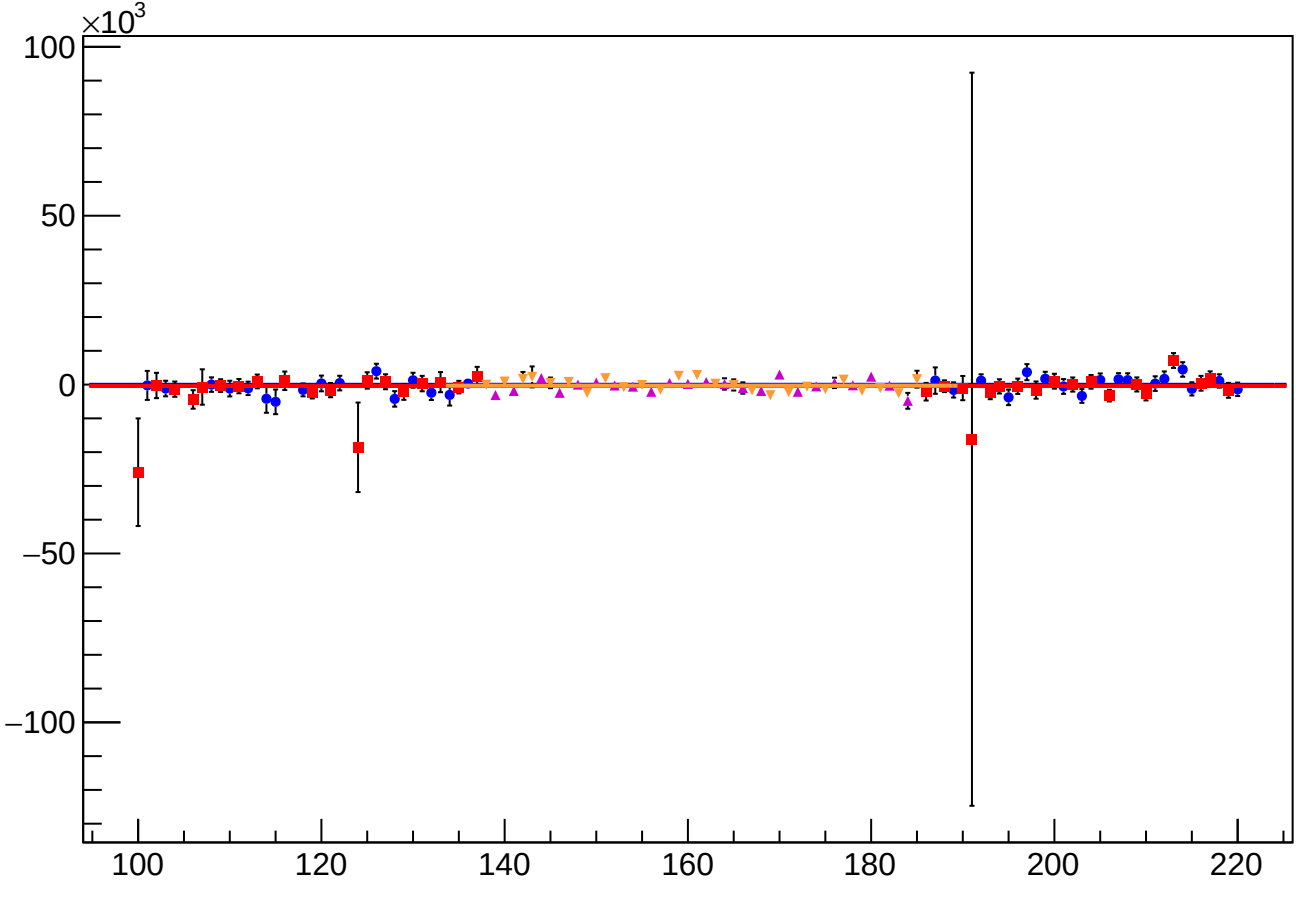
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 552.301+/-0.077 χ^2/NDF: 33740891.1/69

In: 321.384+/-0.044 χ^2/NDF:25930652.6/55

Out: 299.556+/-0.042 χ^2/NDF:29779689.8/61

All: 309.811+/-0.031 χ^2/NDF: 55837917.4/11



Right In: -54.423+/-379.768 χ^2/NDF: 31.0/32

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -416.568+/-383.461 χ^2/NDF: 31.1/36

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

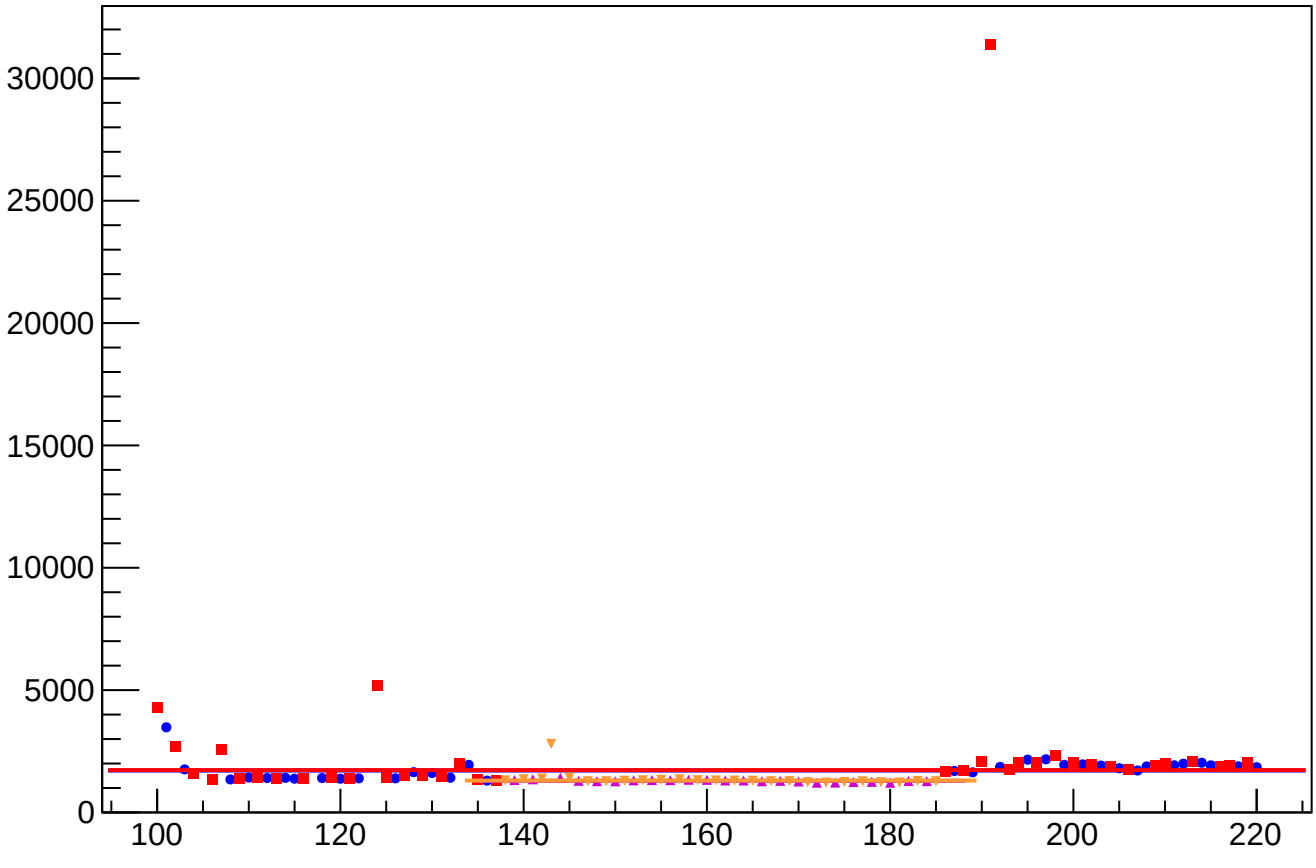
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -233.743+/-269.833 χ^2/NDF: 62.5/69

In: -239.453+/-236.325 χ^2/NDF:61.1/55

Out: -356.243+/-235.434 χ^2/NDF:62.7/61

All: -298.069+/-166.791 χ^2/NDF: 123.8/117



Right In: 1713.437+/-0.269 χ^2/NDF: 1306646.6/32

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

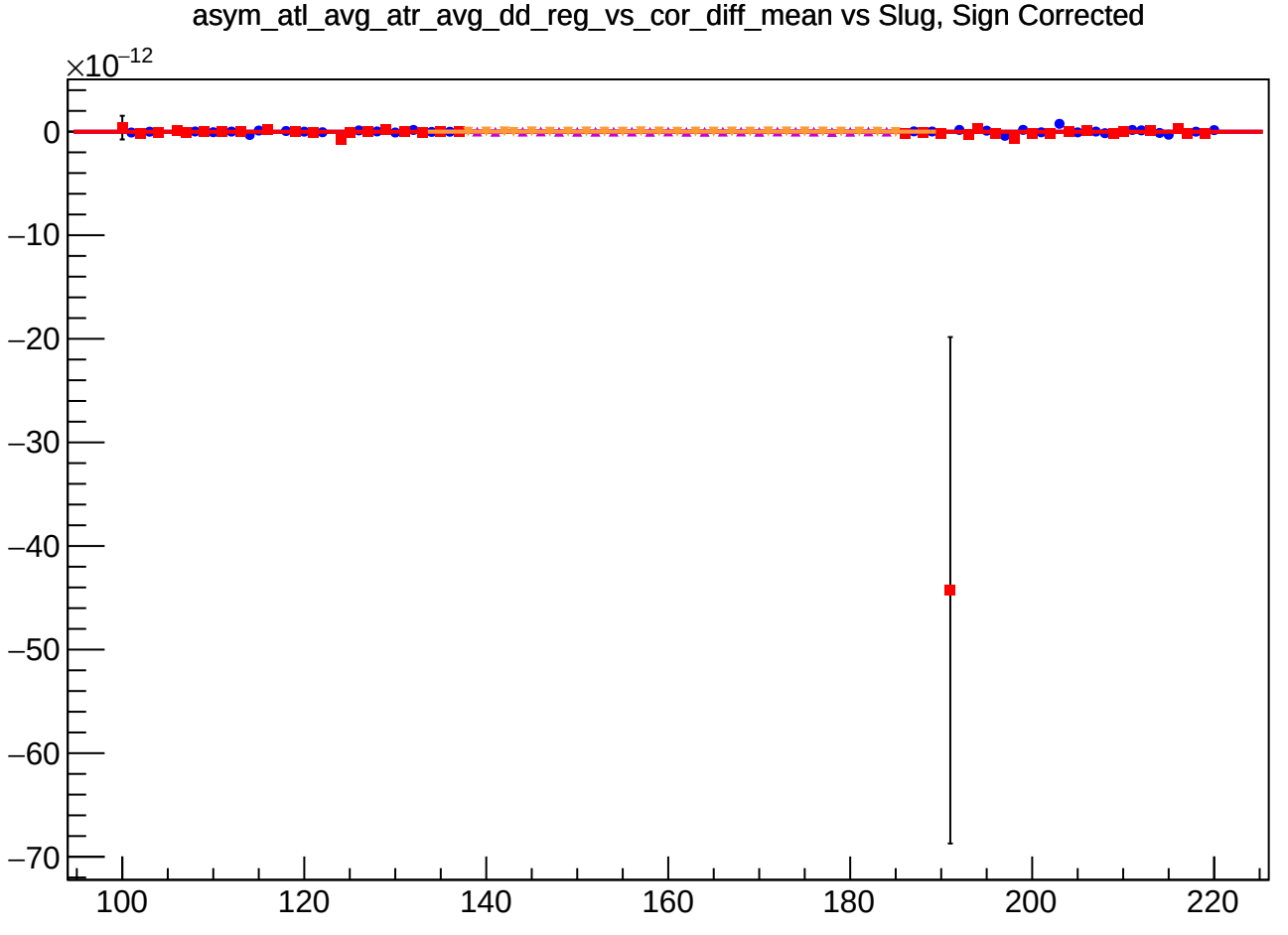
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1721.417+/-0.191 χ^2/NDF: 2882677.0/69

In: 1455.274+/-0.167 χ^2/NDF:2863305.5/55

Out: 1464.514+/-0.166 χ^2/NDF:3627392.5/61

All: 1459.912+/-0.118 χ^2/NDF: 6492232.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.4/36

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

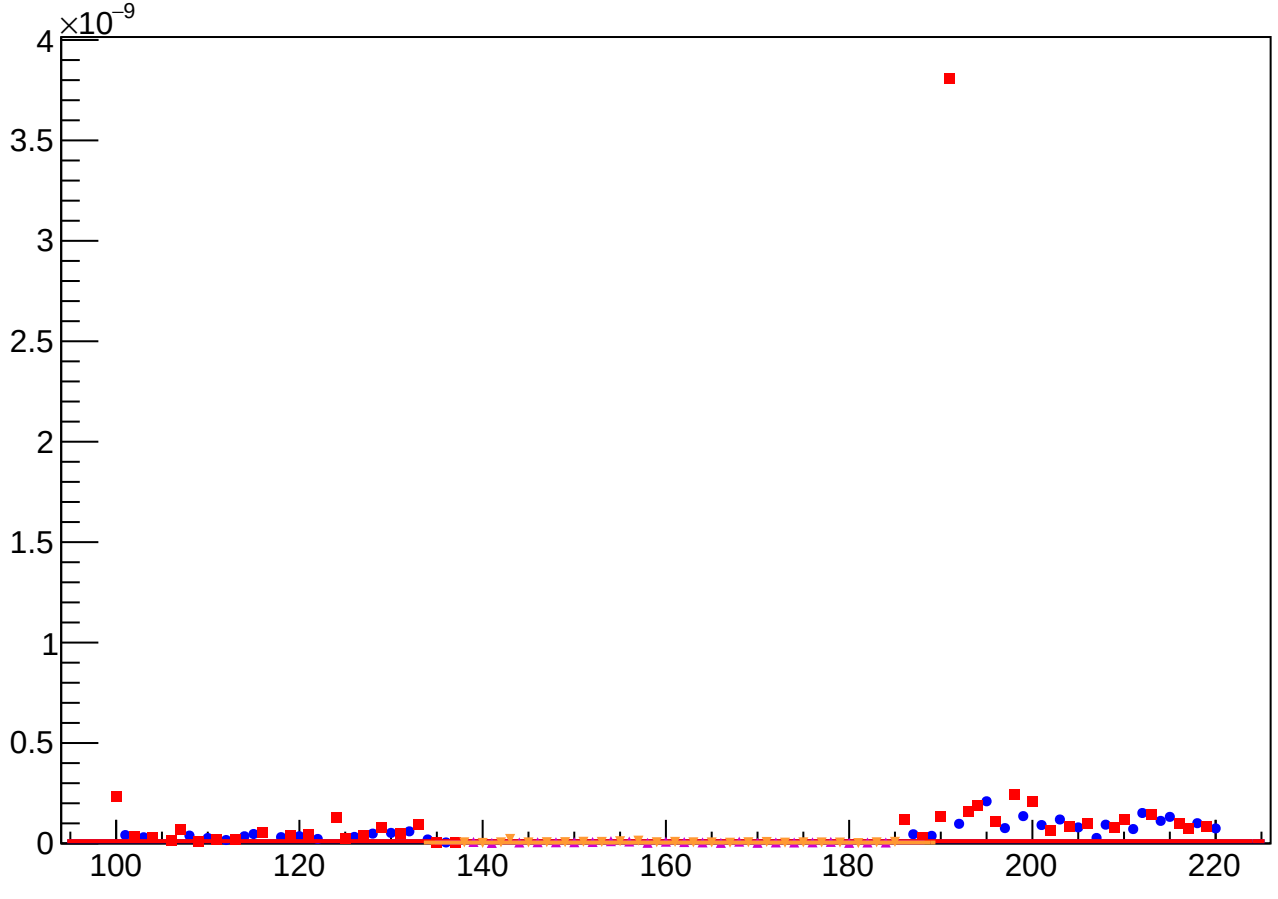
Right: -0.000+/-0.000 χ^2/NDF: 79.9/69

In: -0.000+/-0.000 χ^2/NDF:67.0/55

Out: -0.000+/-0.000 χ^2/NDF:71.7/61

All: -0.000+/-0.000 χ^2/NDF: 139.0/117

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11219317.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

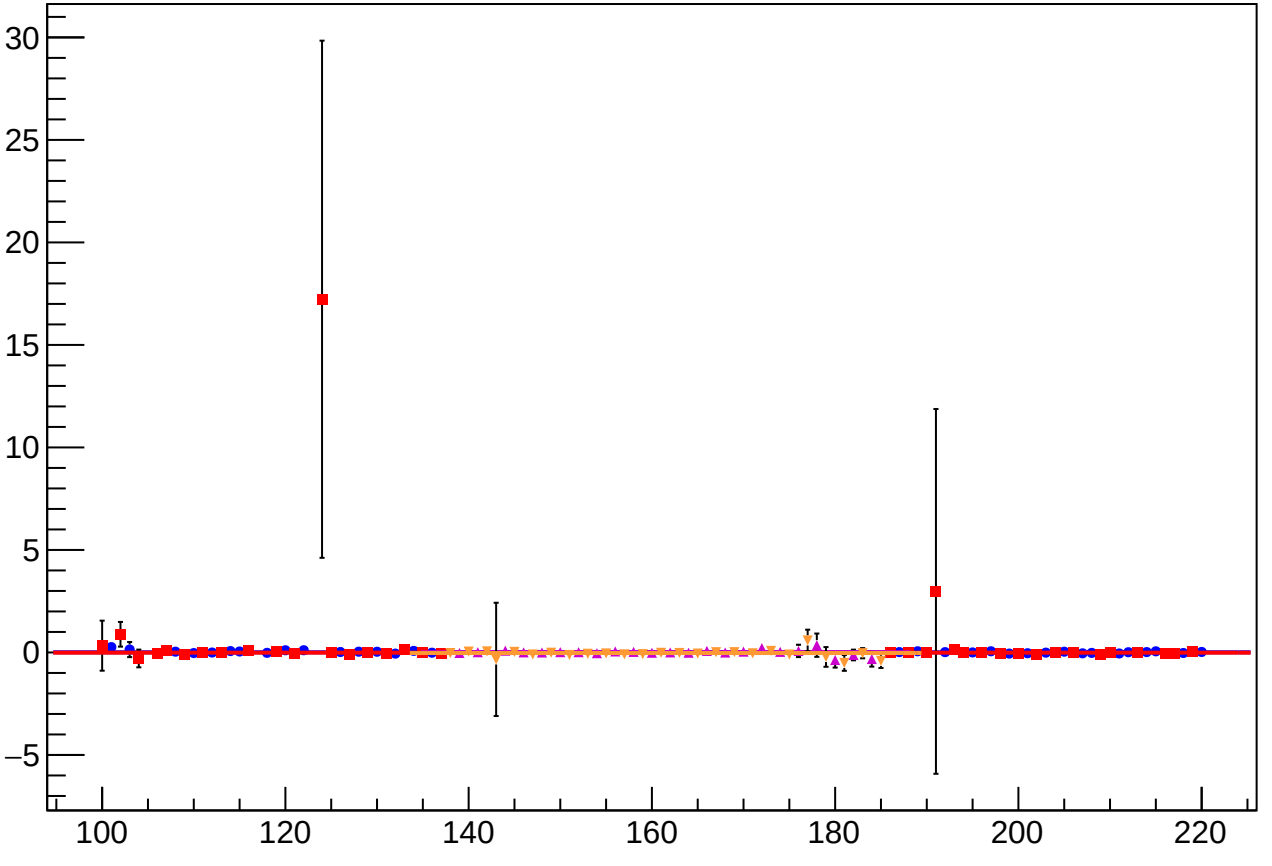
Right: 0.000+/-0.000 χ^2/NDF: 23797595.1/69

In: 0.000+/-0.000 χ^2/NDF:14445563.3/55

Out: 0.000+/-0.000 χ^2/NDF:16800125.4/61

All: 0.000+/-0.000 χ^2/NDF: 31278183.8/117

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

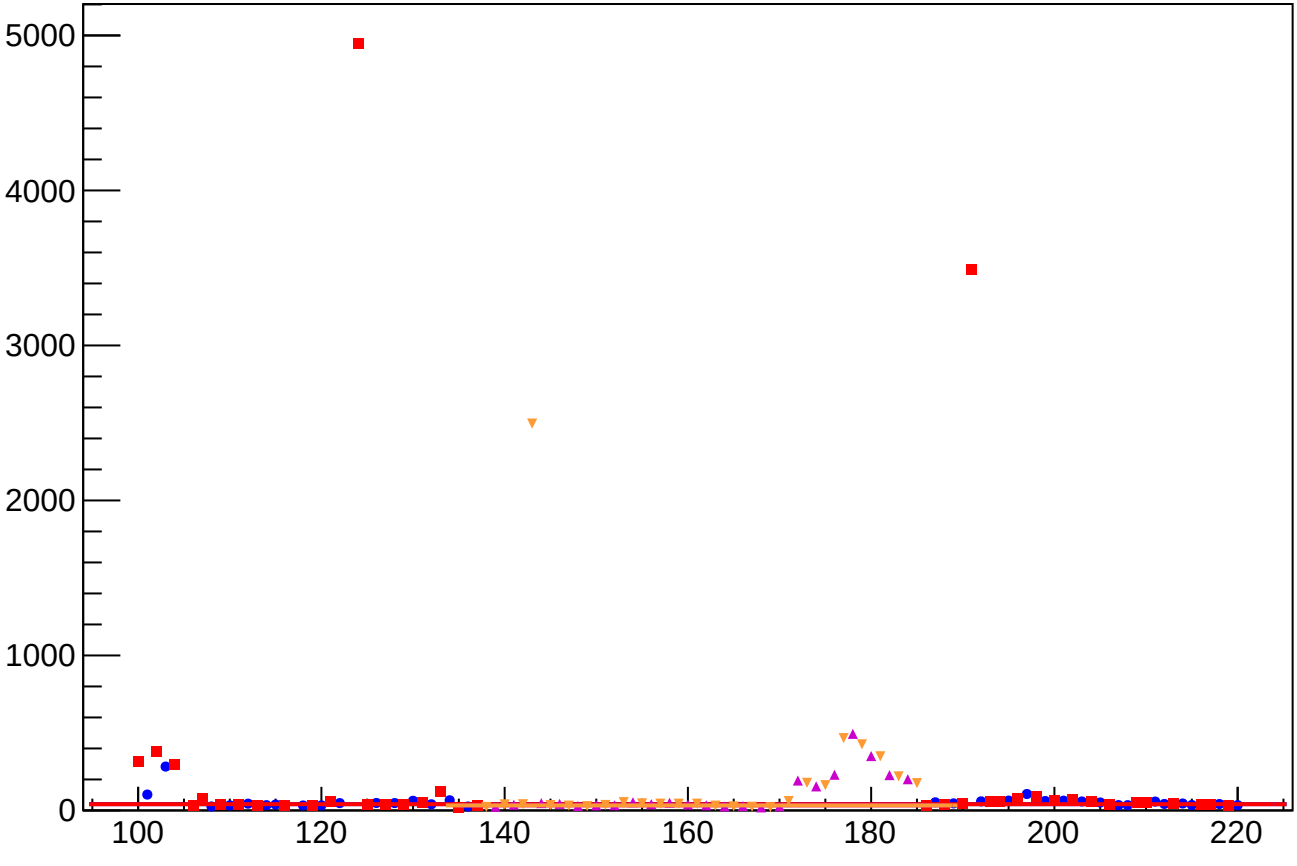
Right: -0.001+/-0.007 χ^2/NDF: 51.8/69

In: 0.010+/-0.007 χ^2/NDF:32.6/55

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.1/117

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.762+/-0.007 χ^2/NDF: 4375779.9/32

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

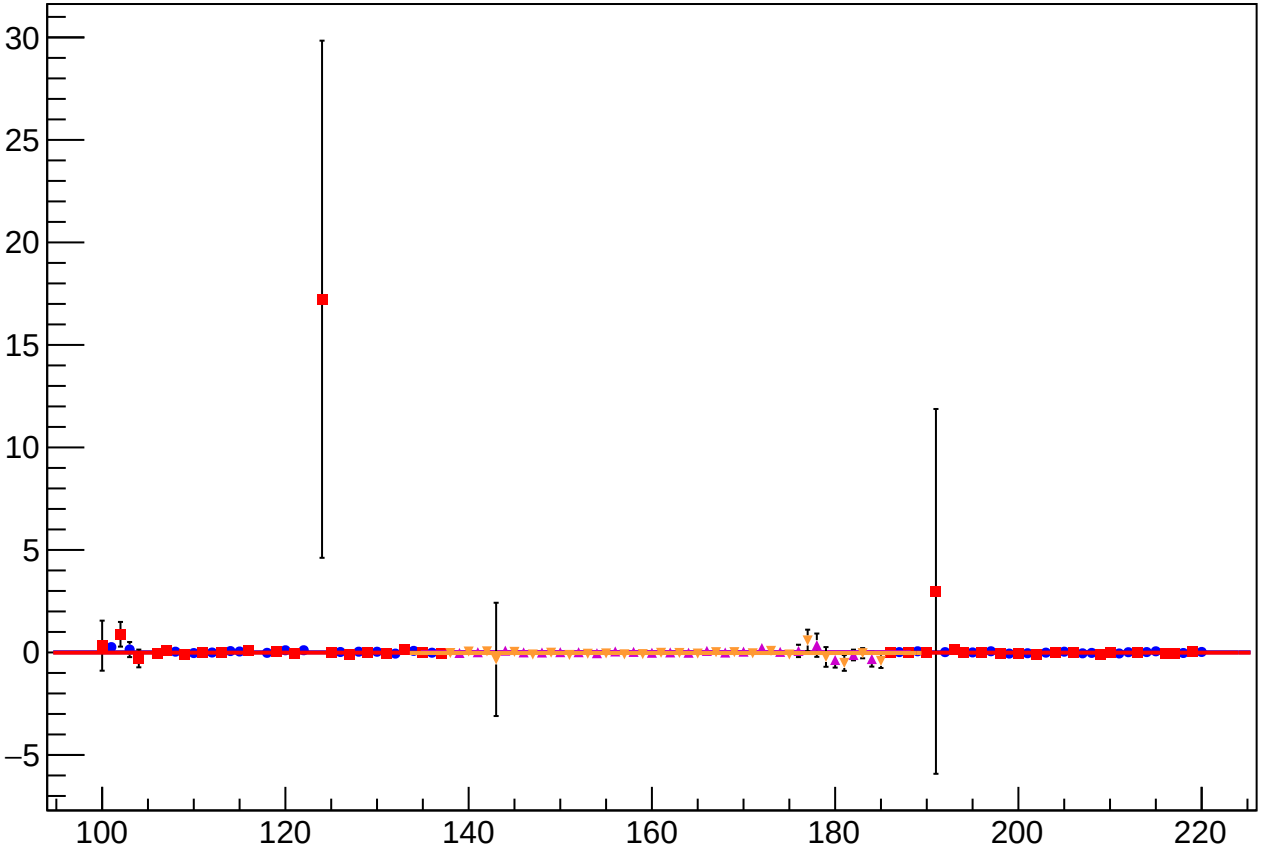
Right: 40.585+/-0.005 χ^2/NDF: 10019108.2/69

In: 36.535+/-0.005 χ^2/NDF:14014205.4/55

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.401+/-0.003 χ^2/NDF: 31174257.0/117

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

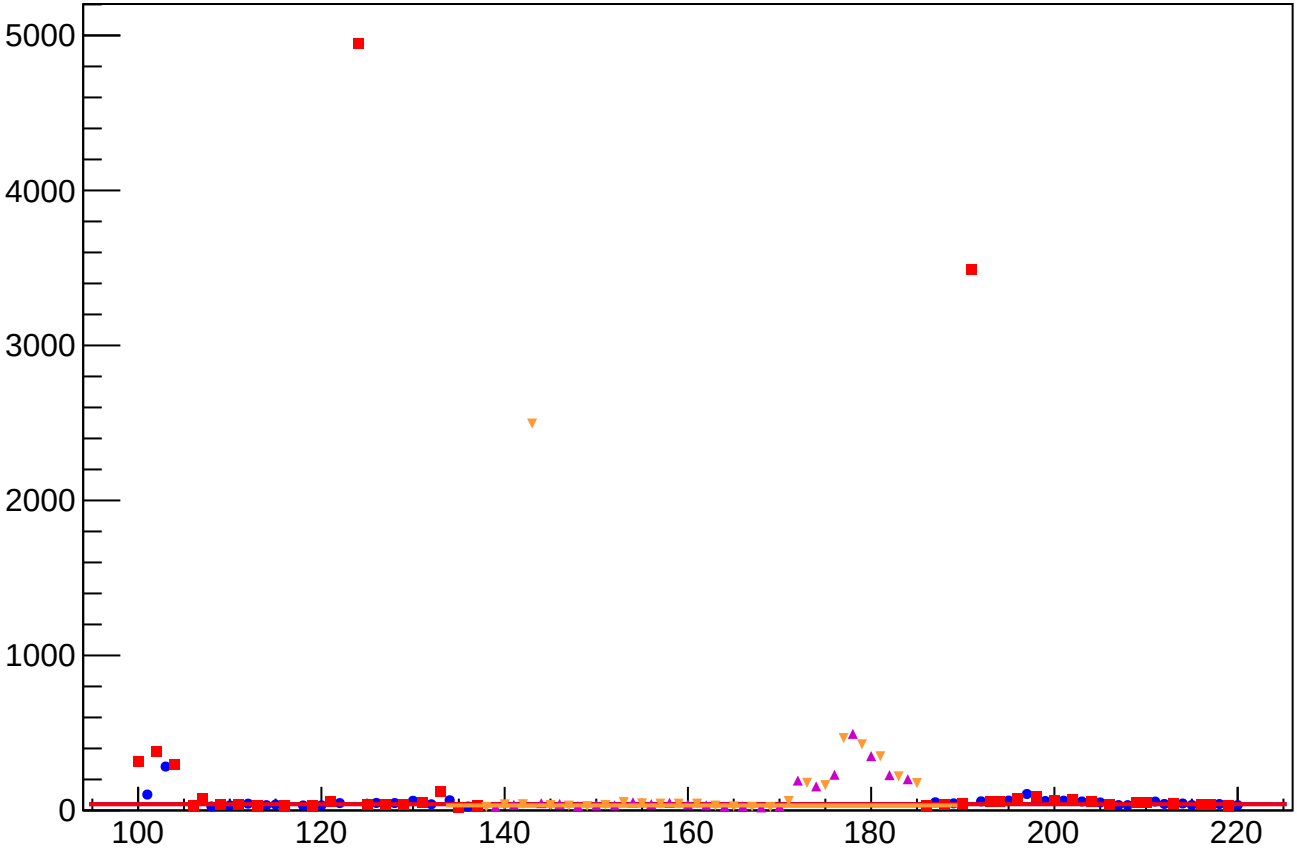
Right: -0.001+/-0.007 χ^2/NDF: 51.8/69

In: 0.010+/-0.007 χ^2/NDF:32.6/55

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.1/117

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.762+/-0.007 χ^2/NDF: 4375779.9/32

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

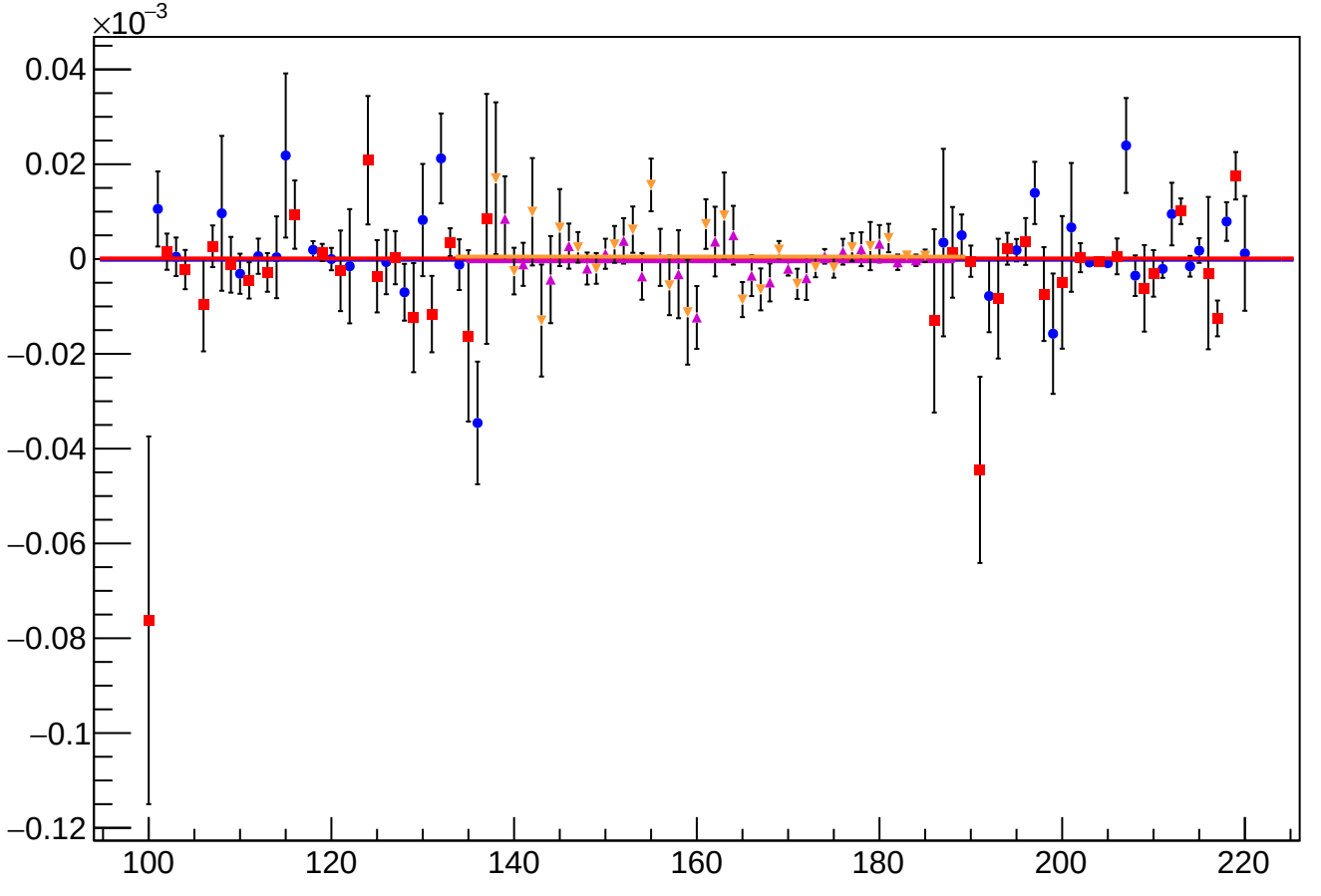
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.585+/-0.005 χ^2/NDF: 10019108.2/69

In: 36.535+/-0.005 χ^2/NDF:14014205.4/55

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.401+/-0.003 χ^2/NDF: 31174257.0/117



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 64.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

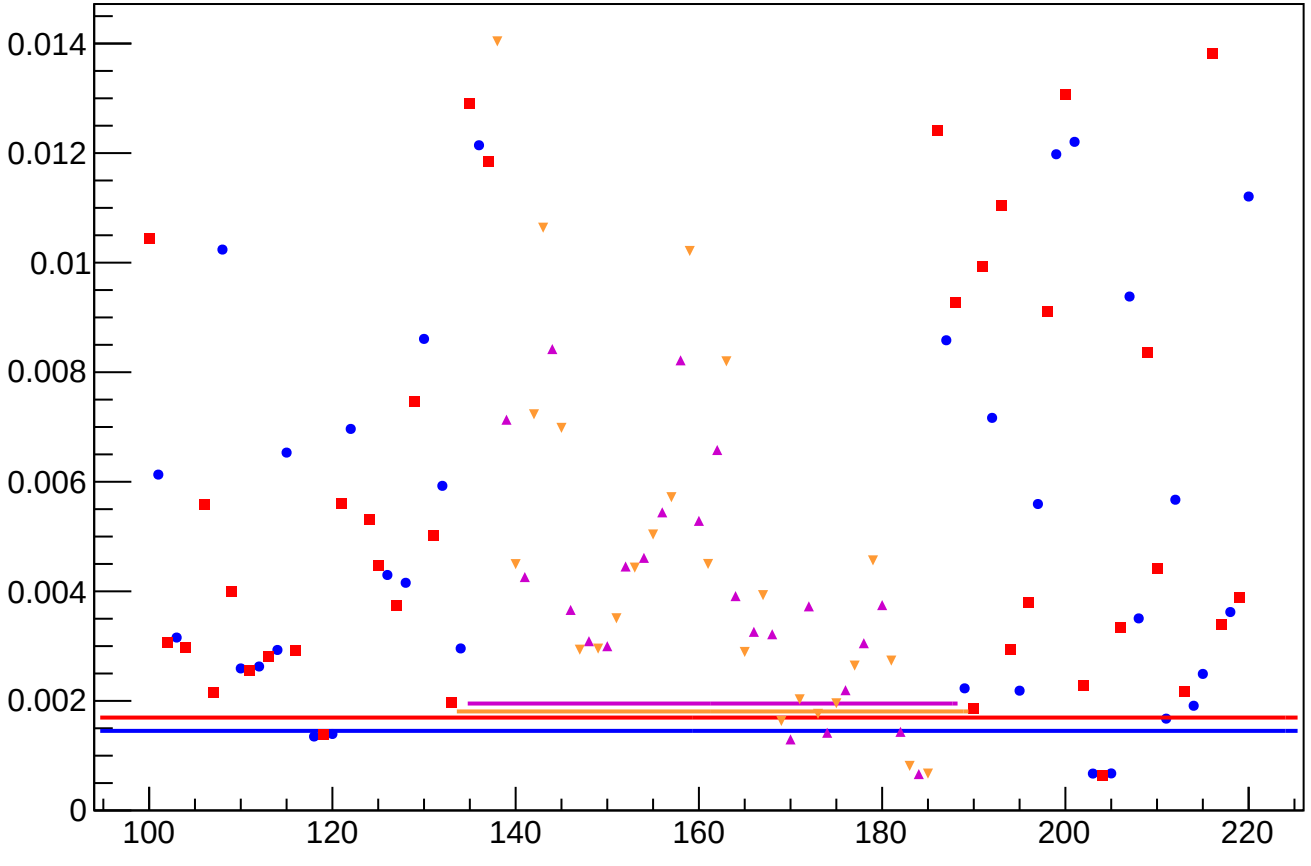
Right: -0.000+/-0.000 χ^2/NDF: 109.3/69

In: -0.000+/-0.000 χ^2/NDF:58.7/55

Out: 0.000+/-0.000 χ^2/NDF:100.3/61

All: 0.000+/-0.000 χ^2/NDF: 160.2/117

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 19184752.5/32

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

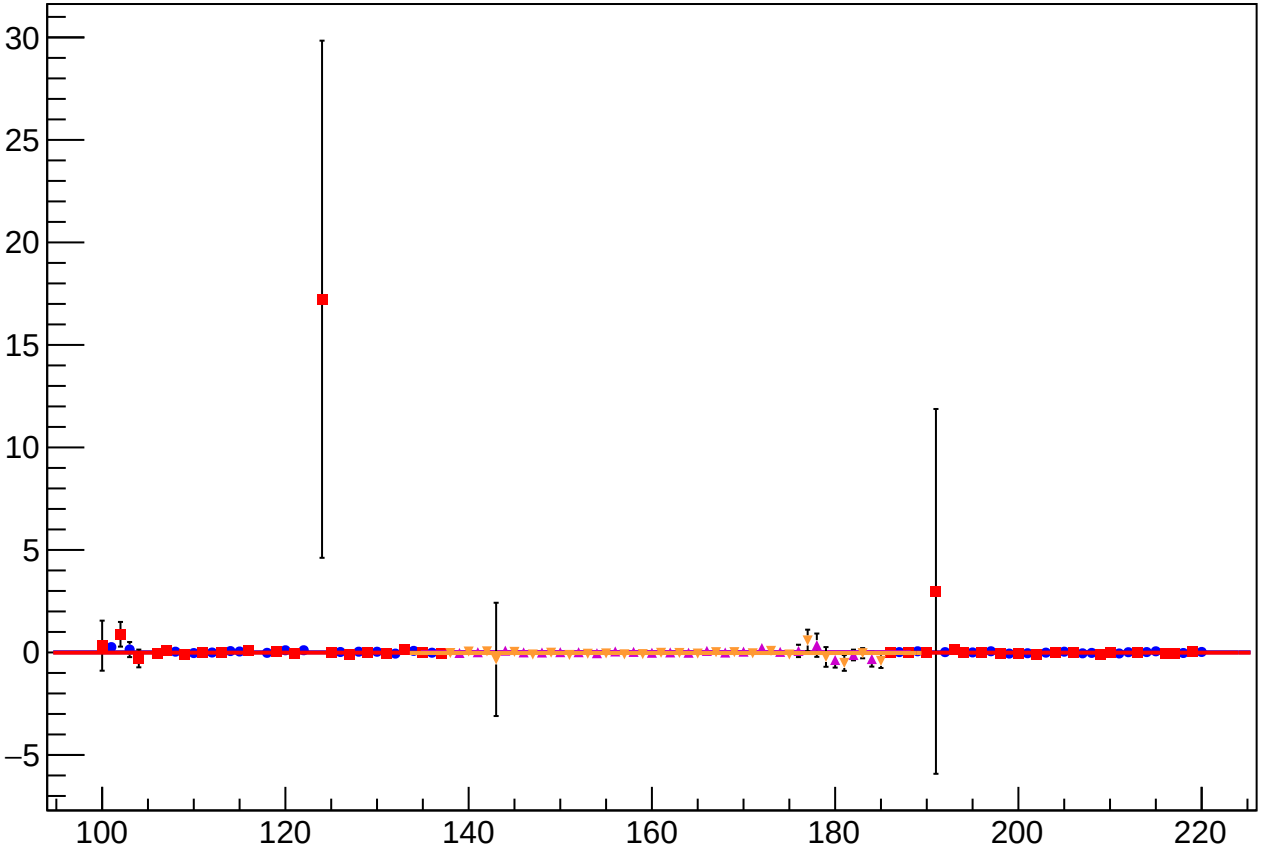
Right: 0.002+/-0.000 χ^2/NDF: 38658505.4/69

In: 0.002+/-0.000 χ^2/NDF:31542159.7/55

Out: 0.002+/-0.000 χ^2/NDF:34225655.4/61

All: 0.002+/-0.000 χ^2/NDF: 65844278.9/117

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

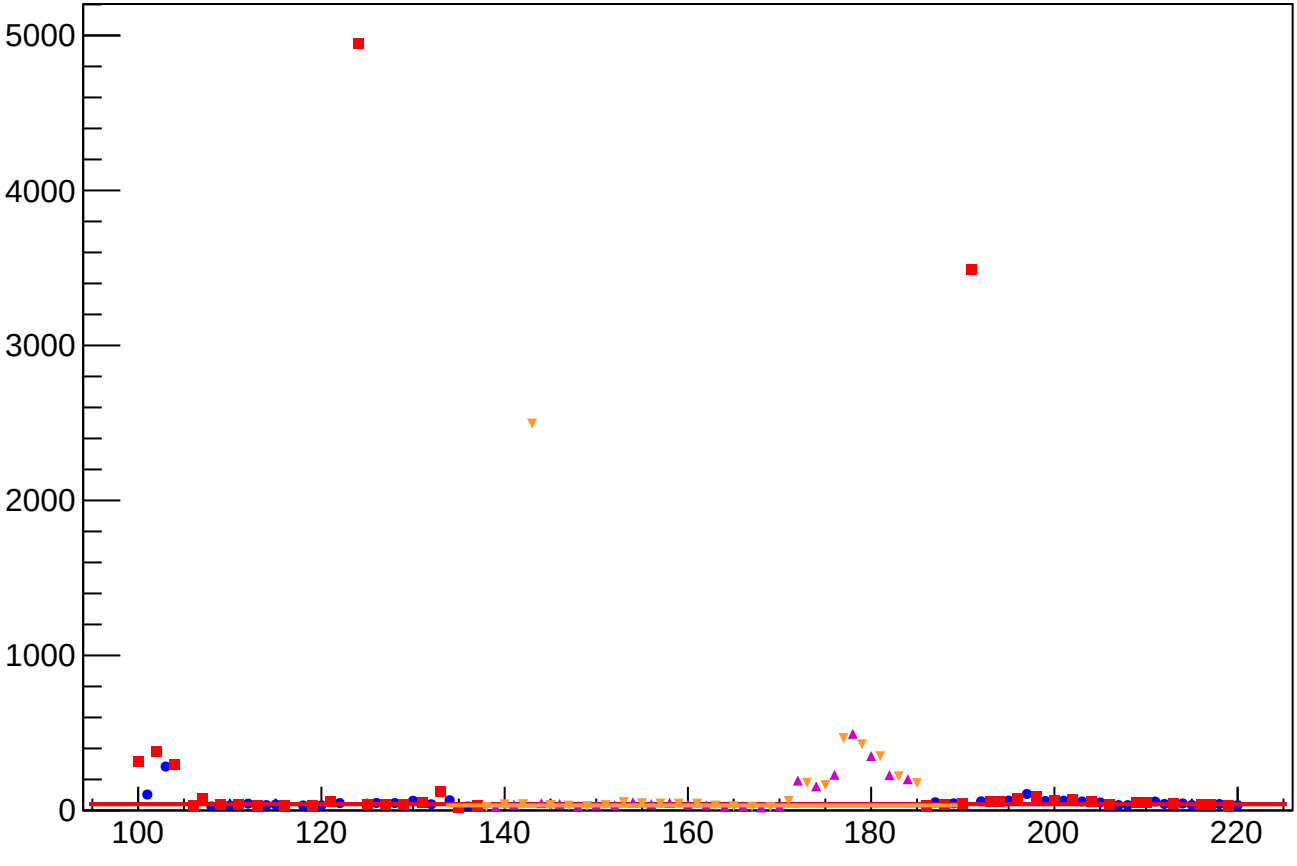
Right: -0.001+/-0.007 χ^2/NDF: 51.8/69

In: 0.010+/-0.007 χ^2/NDF:32.6/55

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.1/117

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.762+/-0.007 χ^2/NDF: 4375387.0/32

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

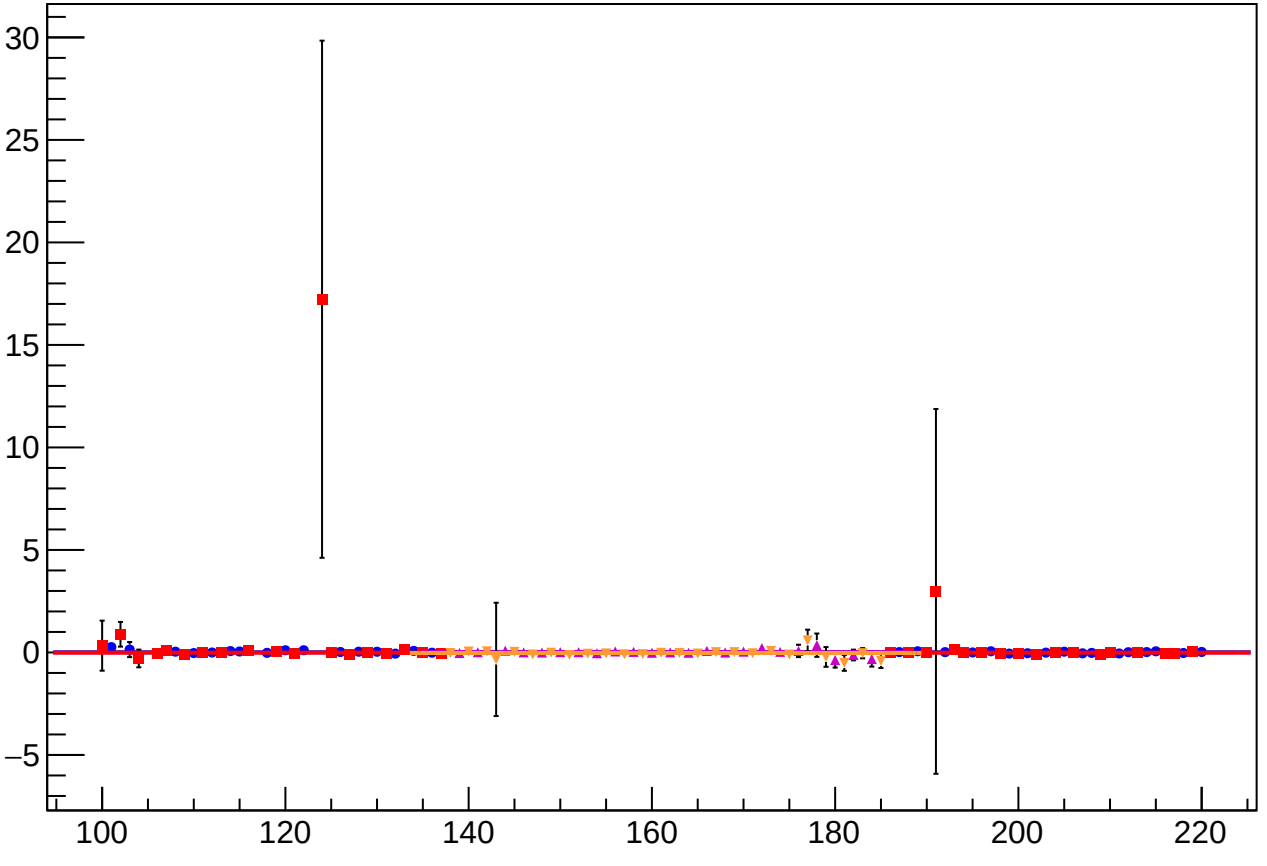
Right: 40.585+/-0.005 χ^2/NDF: 10018481.8/69

In: 36.535+/-0.005 χ^2/NDF:14014727.5/55

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.401+/-0.003 χ^2/NDF: 31174841.4/117

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

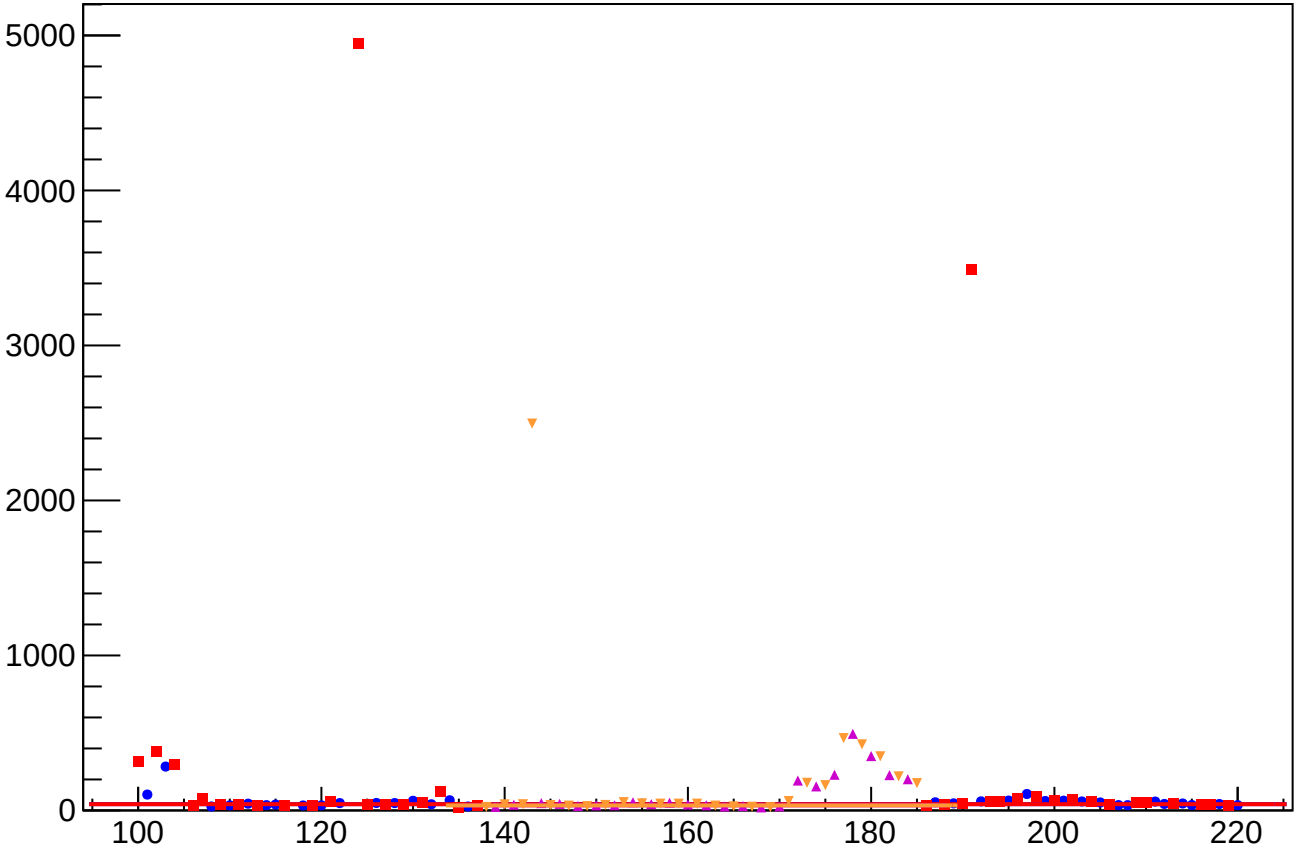
Right: -0.001+/-0.007 χ^2/NDF: 51.8/69

In: 0.010+/-0.007 χ^2/NDF:32.6/55

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.1/117

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.762+/-0.007 χ^2/NDF: 4375387.0/32

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

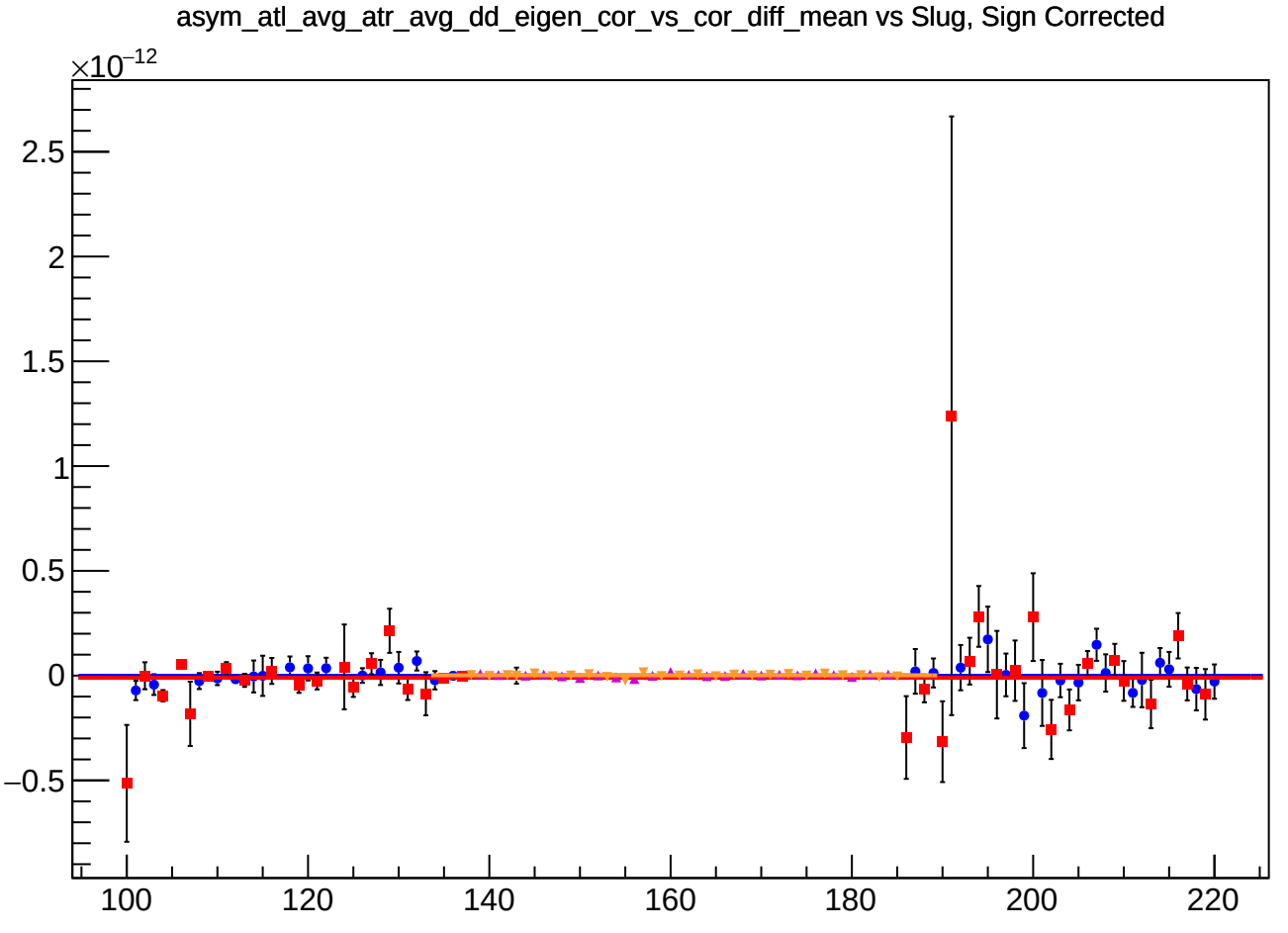
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.585+/-0.005 χ^2/NDF: 10018481.8/69

In: 36.535+/-0.005 χ^2/NDF:14014727.5/55

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.401+/-0.003 χ^2/NDF: 31174841.4/117



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 65.5/36

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

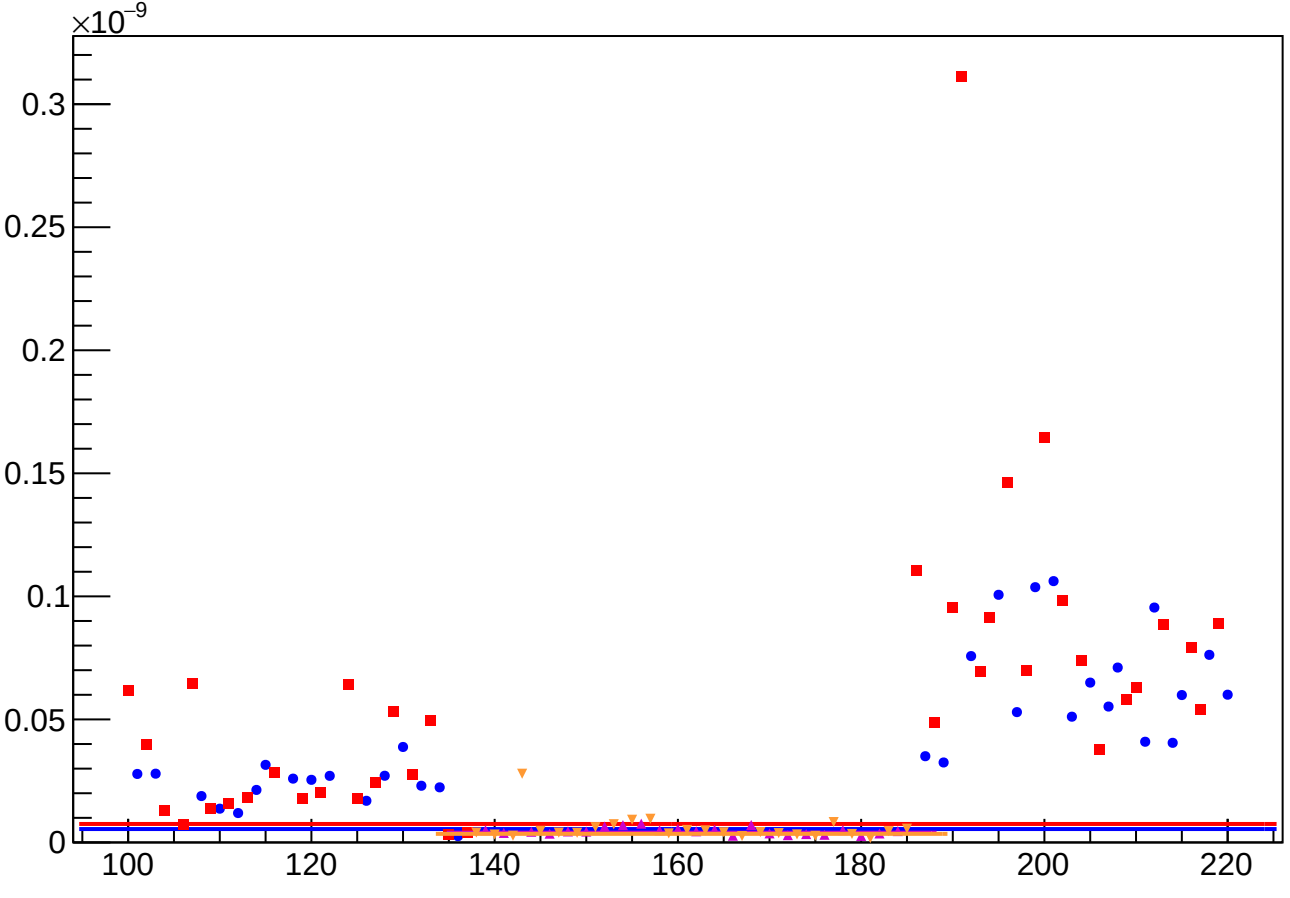
Right: -0.000+/-0.000 χ^2/NDF: 87.2/69

In: 0.000+/-0.000 χ^2/NDF:47.9/55

Out: 0.000+/-0.000 χ^2/NDF:91.3/61

All: 0.000+/-0.000 χ^2/NDF: 139.2/117

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 17764139.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17918262.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

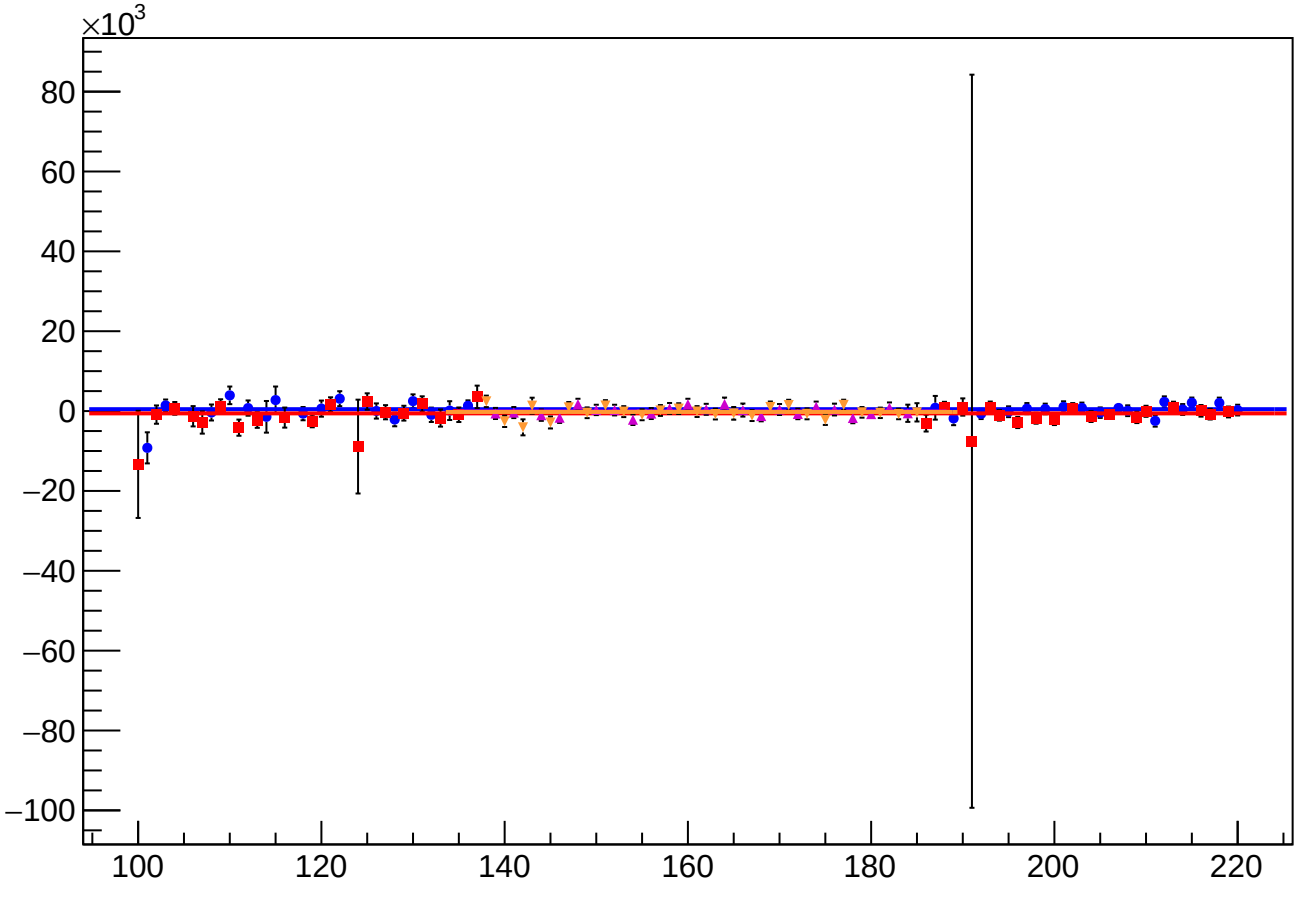
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 35982079.3/69

In: 0.000+/-0.000 χ^2/NDF:20179317.9/55

Out: 0.000+/-0.000 χ^2/NDF:24392038.8/61

All: 0.000+/-0.000 χ^2/NDF: 44704325.5/117



Right In: 473.348+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -576.736+/-277.611 χ^2/NDF: 29.8/36

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

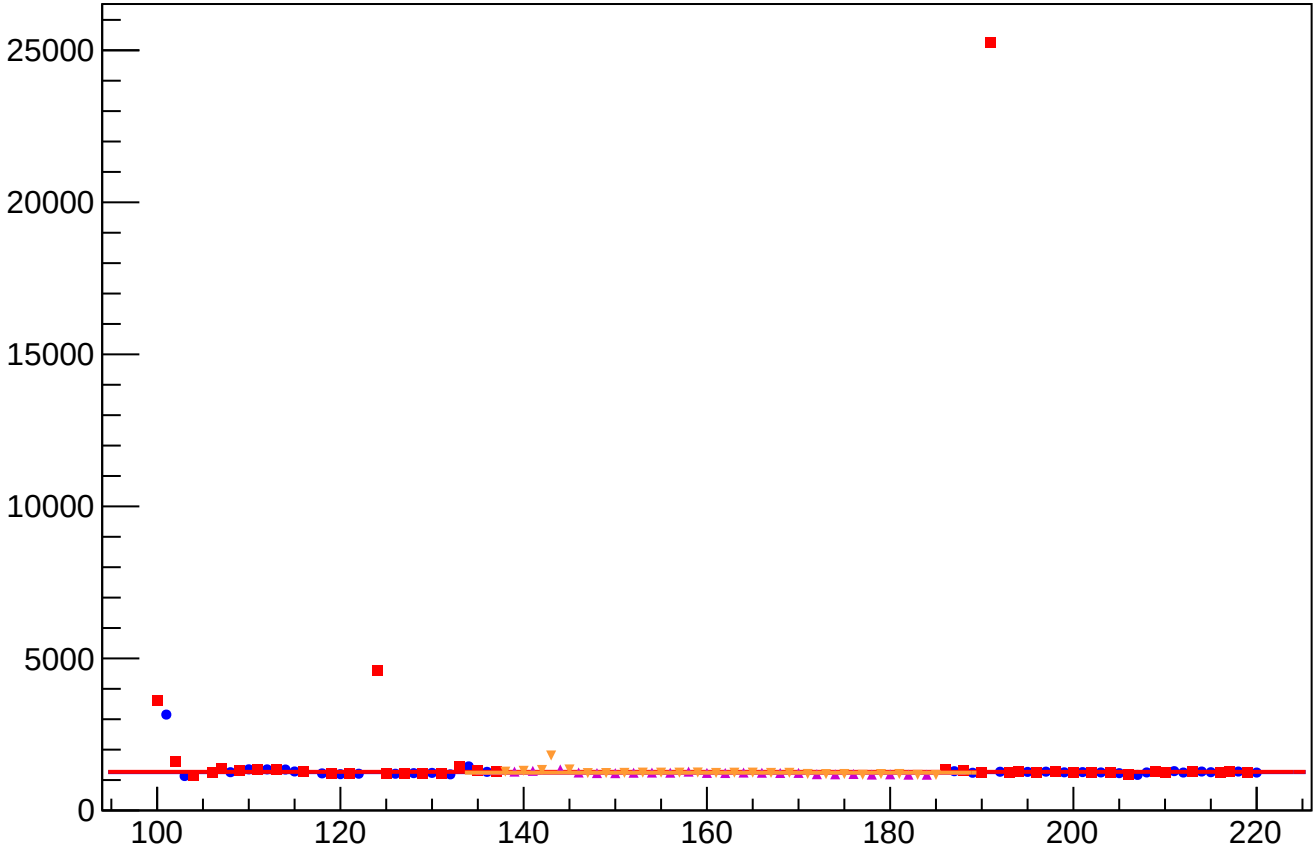
Right: -49.452+/-195.881 χ^2/NDF: 66.6/69

In: 202.280+/-199.502 χ^2/NDF:46.3/55

Out: -402.185+/-198.197 χ^2/NDF:54.5/61

All: -101.935+/-140.605 χ^2/NDF: 105.5/117

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1260.165+/-0.195 χ^2/NDF: 536294.4/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

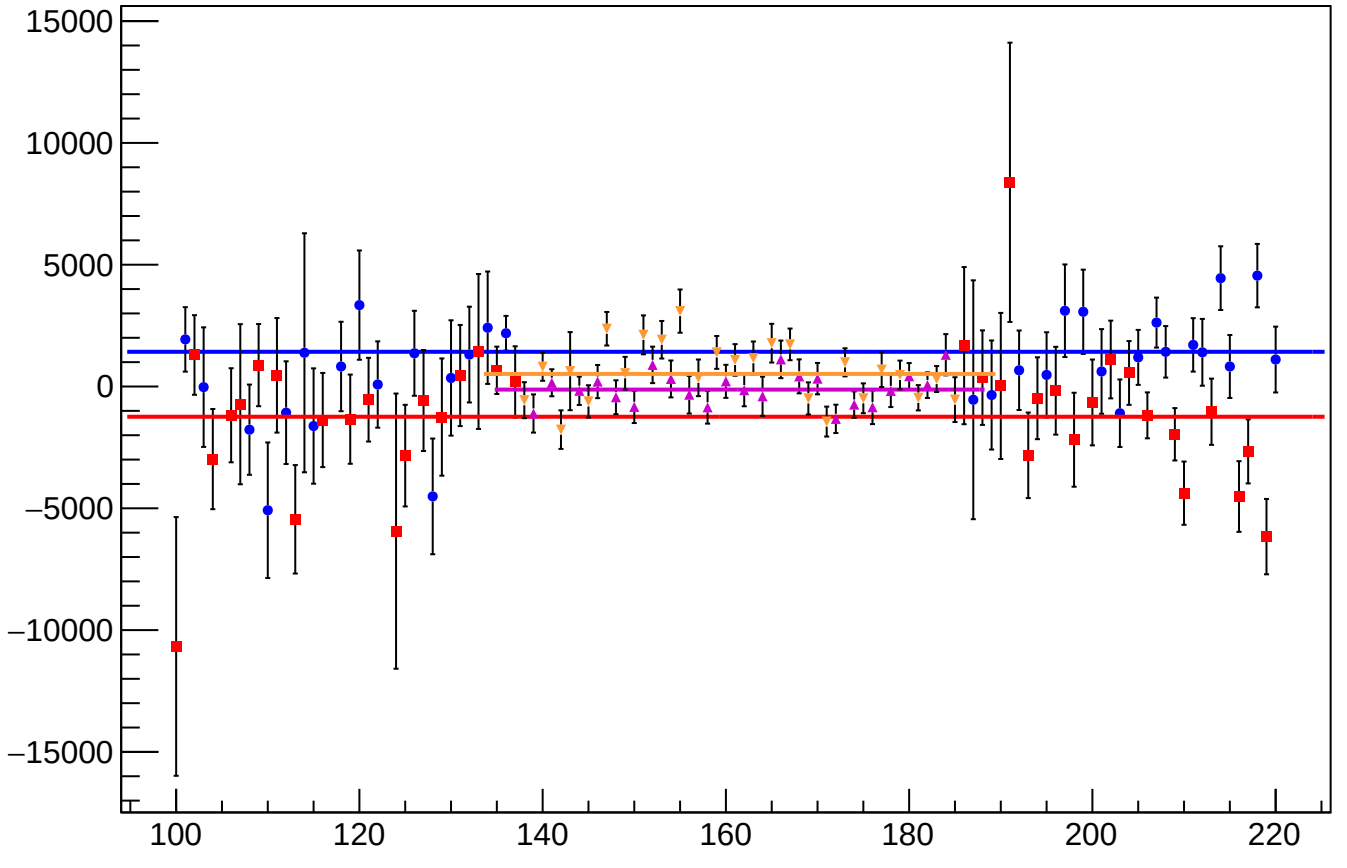
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1264.835+/-0.139 χ^2/NDF: 1025043.8/69

In: 1247.510+/-0.141 χ^2/NDF:584325.2/55

Out: 1256.445+/-0.140 χ^2/NDF:699986.5/61

All: 1252.007+/-0.099 χ^2/NDF: 1286330.4/11



Right In: 1425.047+/-265.047 χ^2/NDF: 40.6/32

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -1240.765+/-279.291 χ^2/NDF: 52.7/36

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

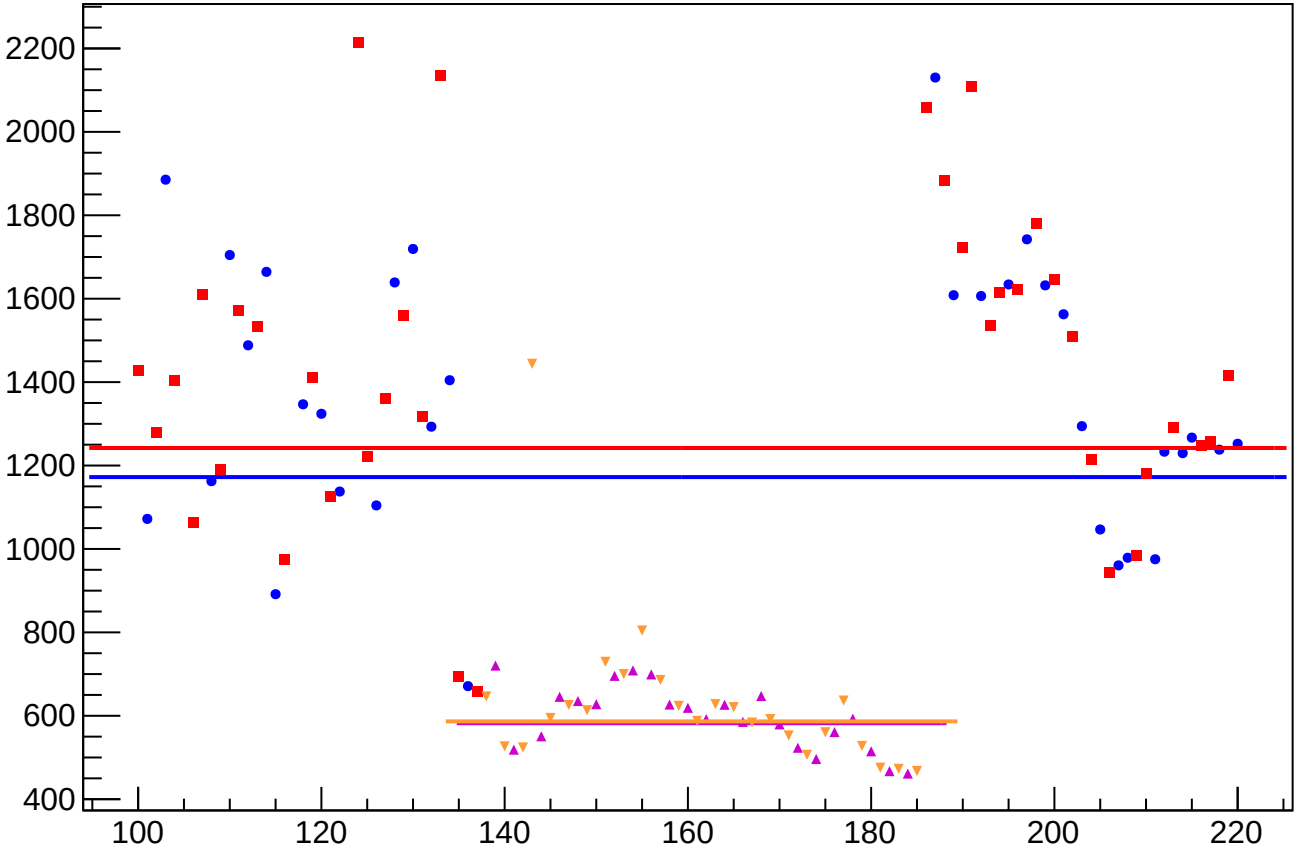
Right: 161.852+/-192.255 χ^2/NDF: 141.2/69

In: 201.582+/-121.890 χ^2/NDF:89.1/55

Out: 180.938+/-122.089 χ^2/NDF:151.7/61

All: 191.277+/-86.260 χ^2/NDF: 240.9/117

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1172.273+/-0.187 χ^2/NDF: 2720621.6/32

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

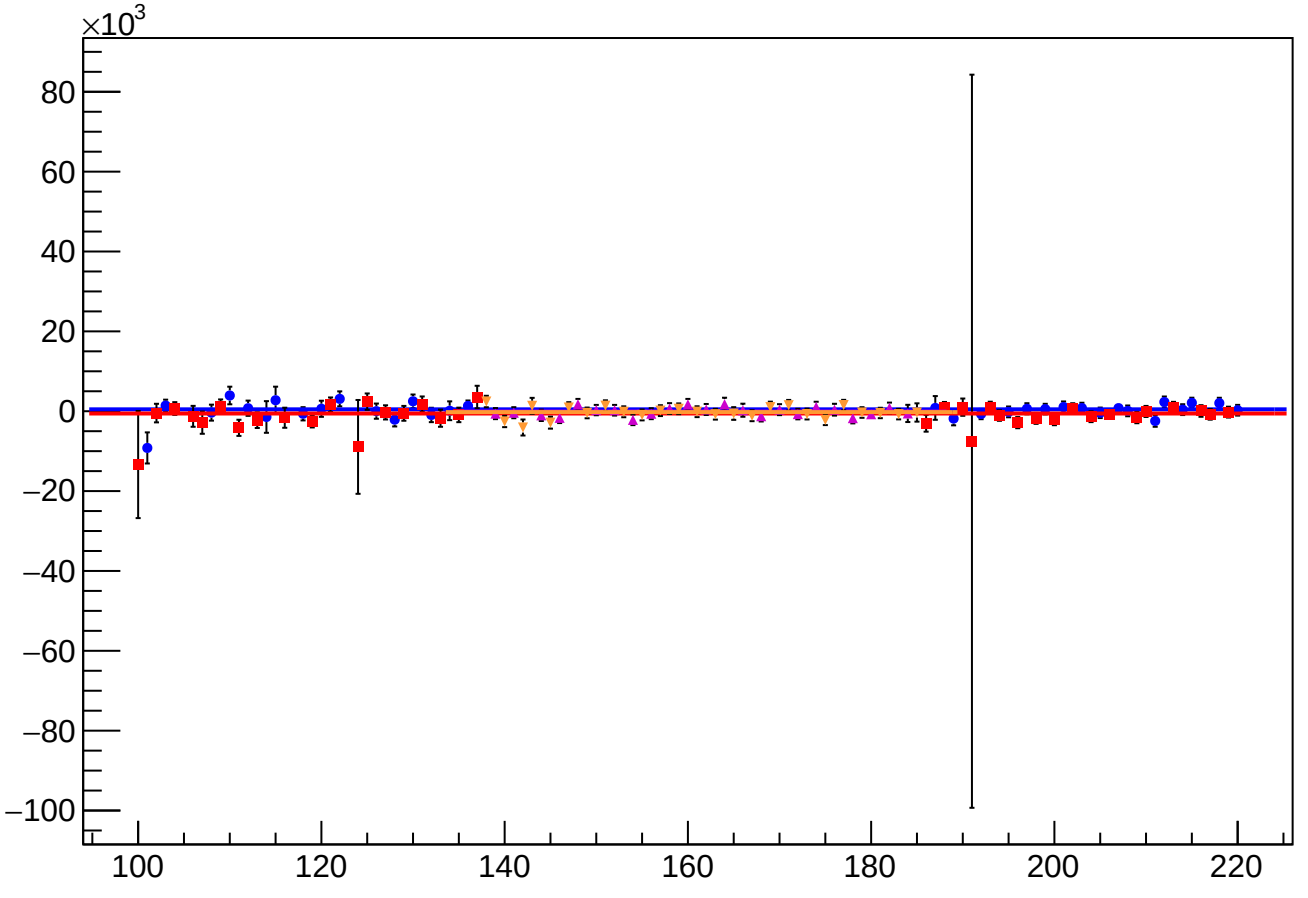
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1205.352+/-0.136 χ^2/NDF: 5551055.9/69

In: 706.987+/-0.086 χ^2/NDF:11096482.7/55

Out: 711.822+/-0.086 χ^2/NDF:12880018.2/61

All: 709.401+/-0.061 χ^2/NDF: 23978072.1/11



Right In: 473.529+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

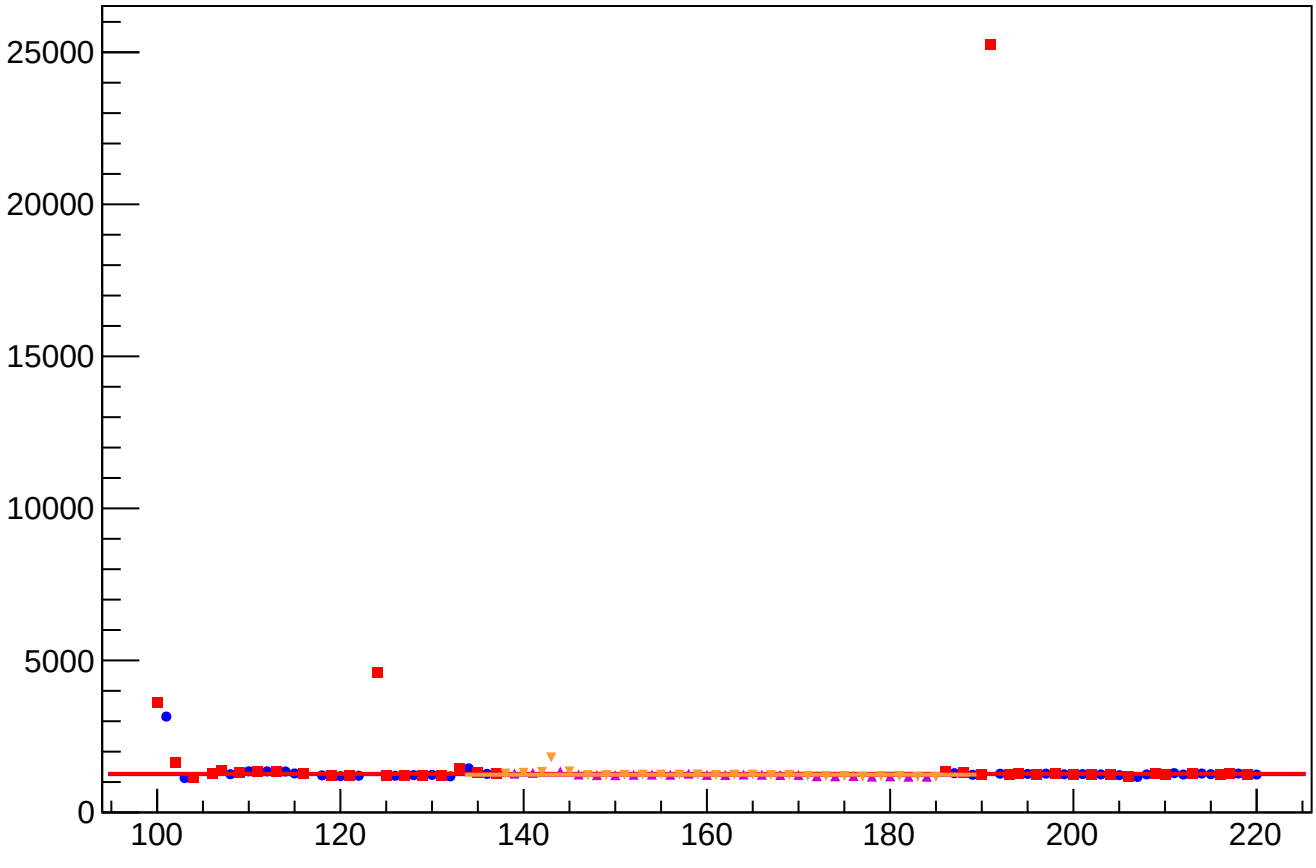
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -45.697+/-195.936 χ^2/NDF: 66.5/69

In: 202.341+/-199.502 χ^2/NDF:46.3/55

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -100.041+/-140.626 χ^2/NDF: 105.4/117



Right In: 1260.165+/-0.195 χ^2/NDF: 536295.8/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

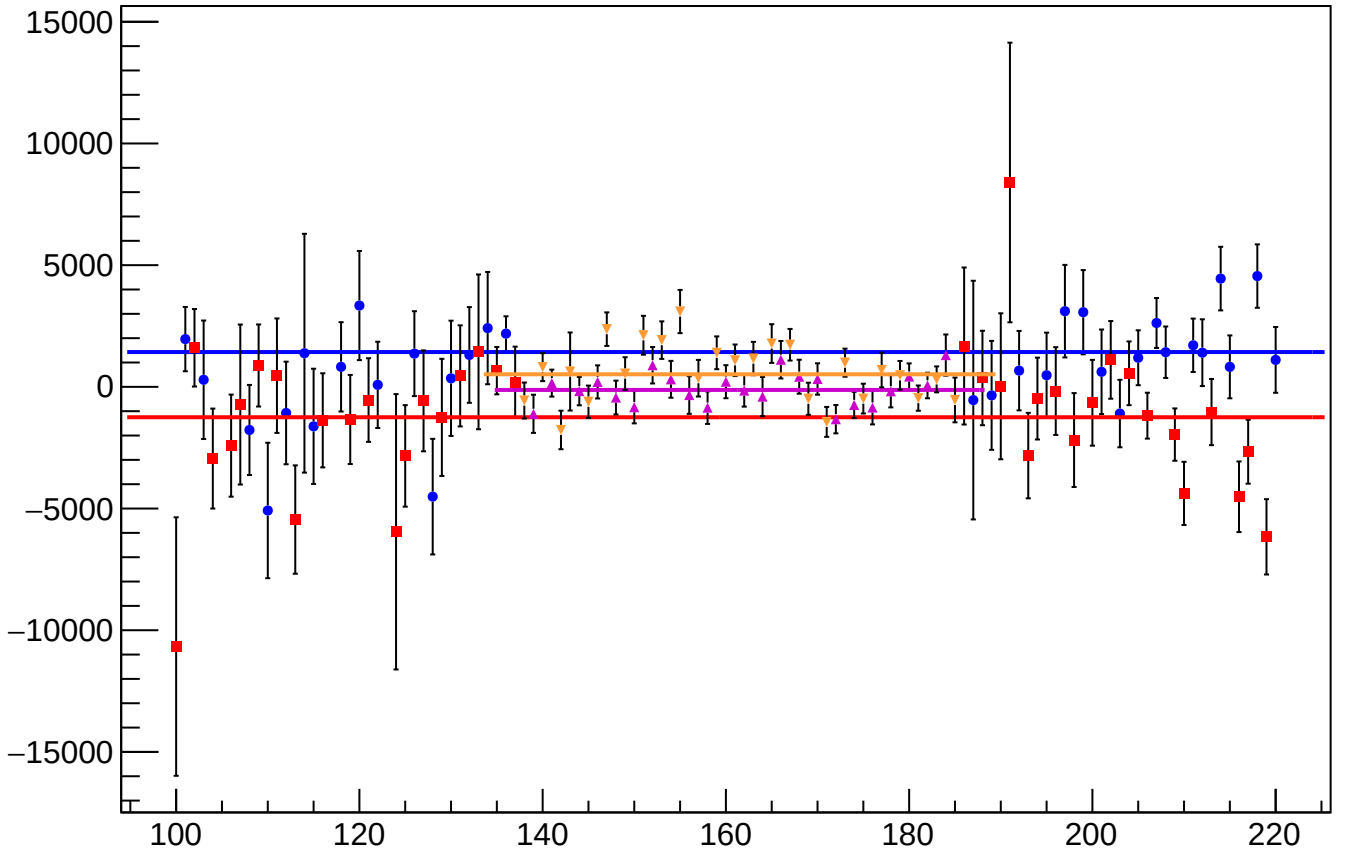
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.205+/-0.139 χ^2/NDF: 1032423.4/69

In: 1247.510+/-0.141 χ^2/NDF:584326.5/55

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1252.193+/-0.099 χ^2/NDF: 1294202.6/11



Right In: 1429.719+/-265.004 χ^2/NDF: 40.5/32

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

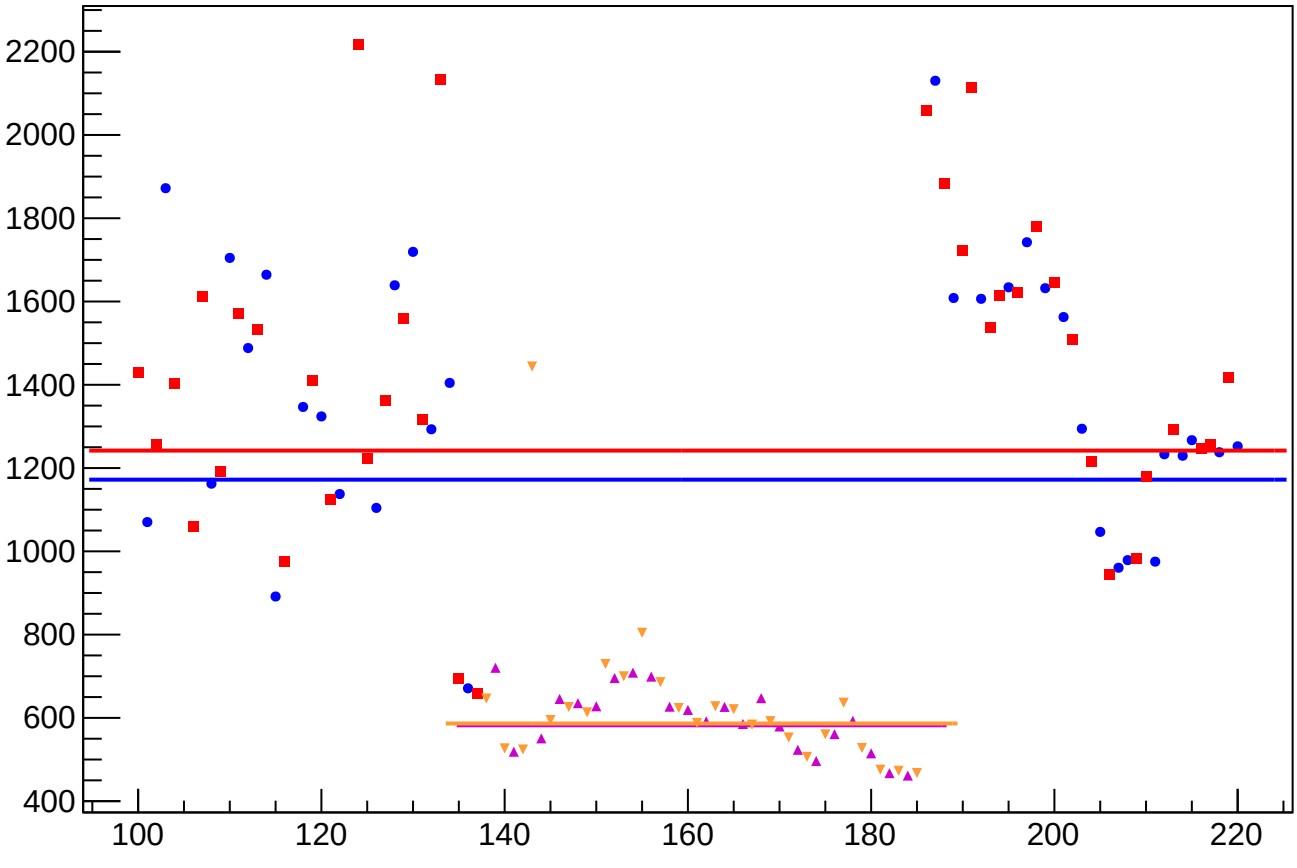
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 161.738+/-192.310 χ^2/NDF: 142.6/69

In: 202.668+/-121.885 χ^2/NDF:89.2/55

Out: 179.832+/-122.108 χ^2/NDF:153.1/61

All: 191.271+/-86.265 χ^2/NDF: 242.3/117



Right In: 1172.169+/-0.187 χ^2/NDF: 2717592.7/32

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

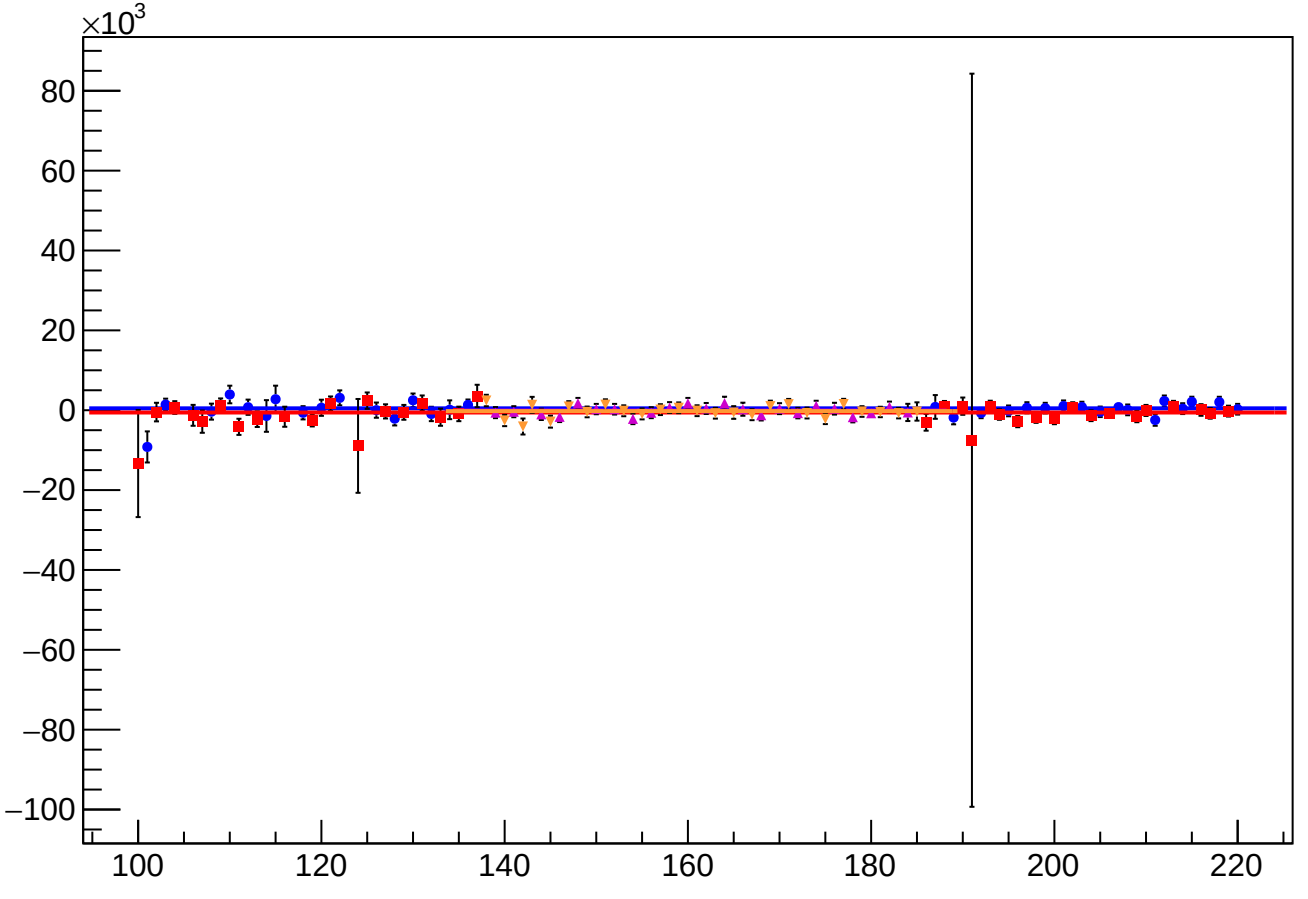
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1205.207+/-0.136 χ^2/NDF: 5545353.6/69

In: 706.995+/-0.086 χ^2/NDF:11092748.2/55

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 709.316+/-0.061 χ^2/NDF: 23956741.0/11



Right In: 473.529+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

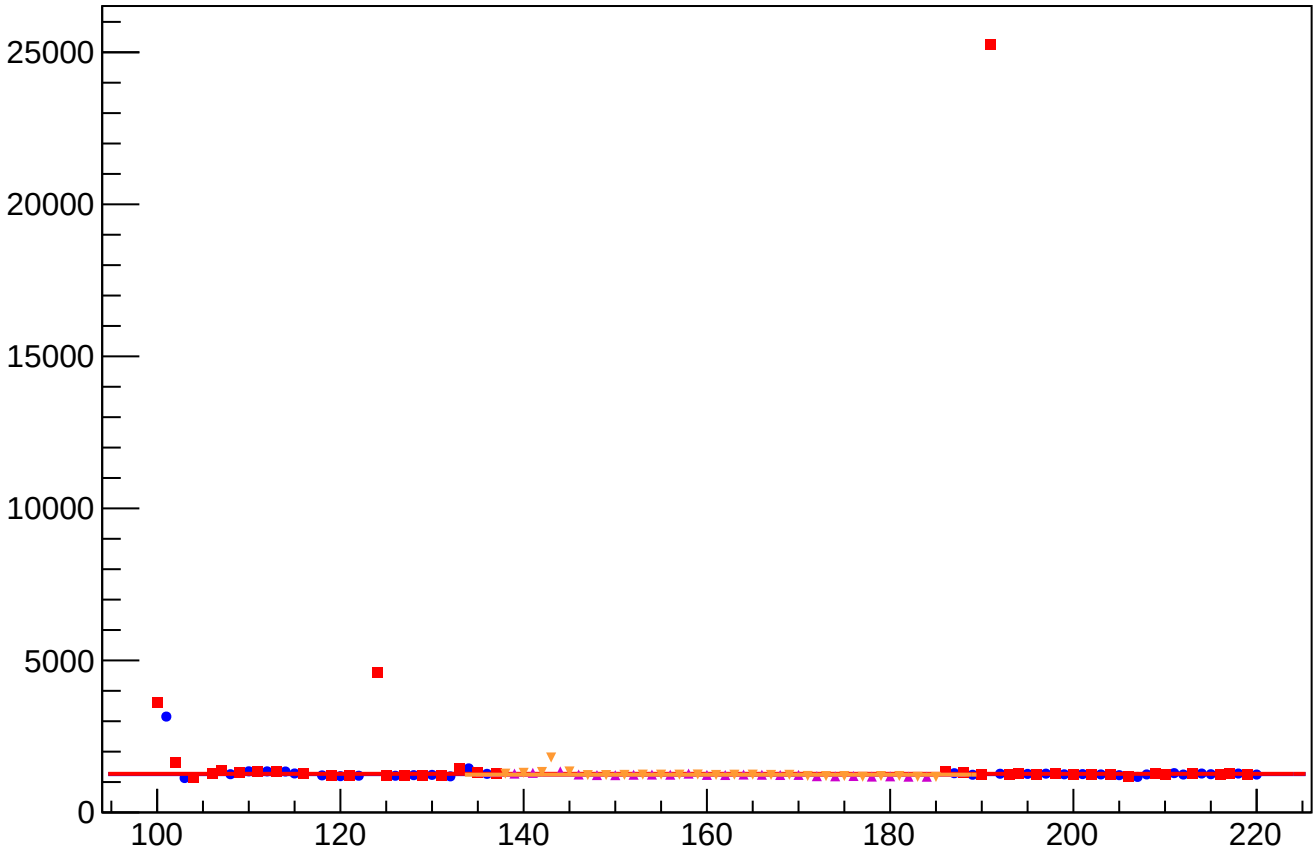
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -45.697+/-195.936 χ^2/NDF: 66.5/69

In: 202.341+/-199.502 χ^2/NDF:46.3/55

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -100.041+/-140.626 χ^2/NDF: 105.4/117



Right In: 1260.165+/-0.195 χ^2/NDF: 536295.8/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

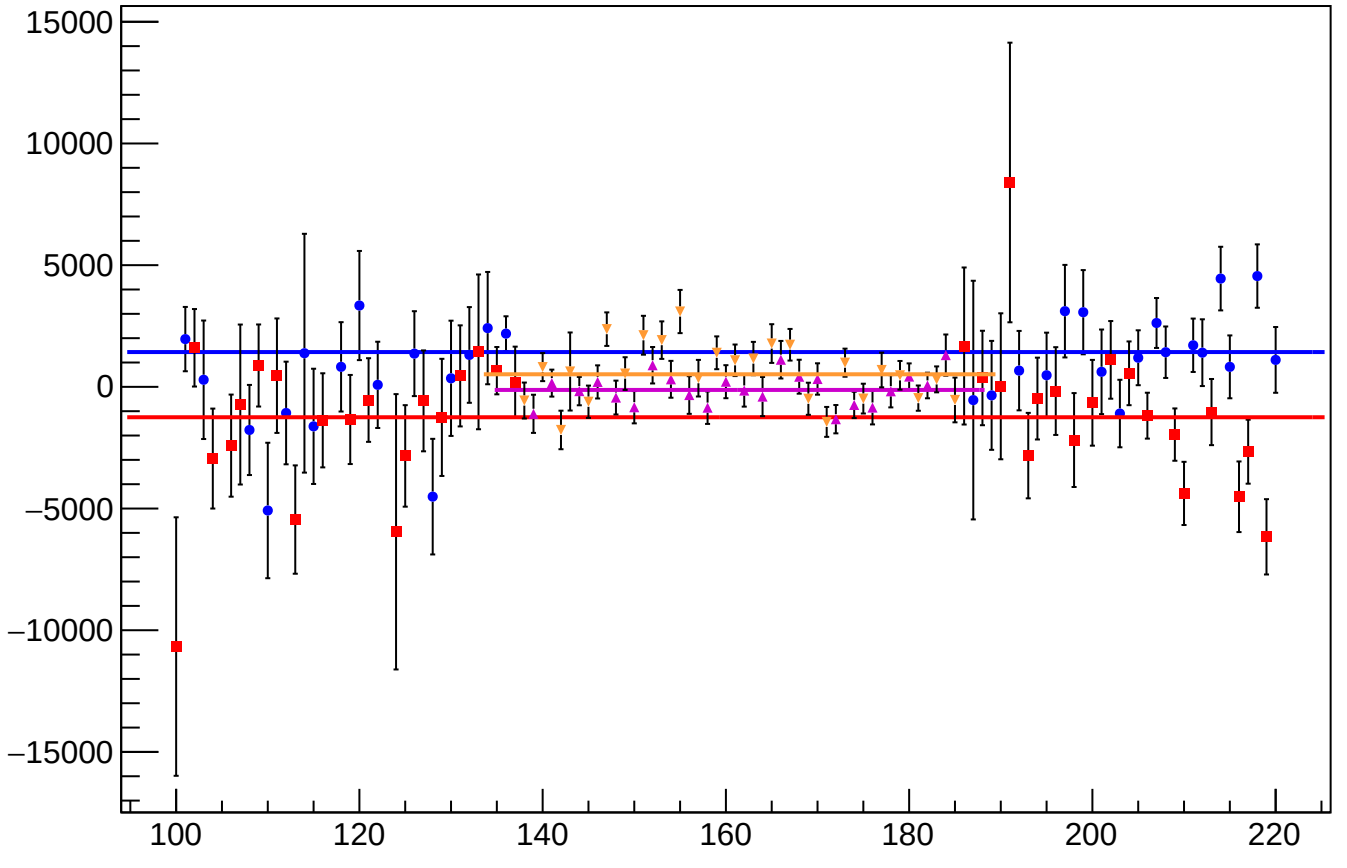
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.205+/-0.139 χ^2/NDF: 1032423.4/69

In: 1247.510+/-0.141 χ^2/NDF:584326.5/55

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1252.193+/-0.099 χ^2/NDF: 1294202.6/11



Right In: 1429.719+/-265.004 χ^2/NDF: 40.5/32

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

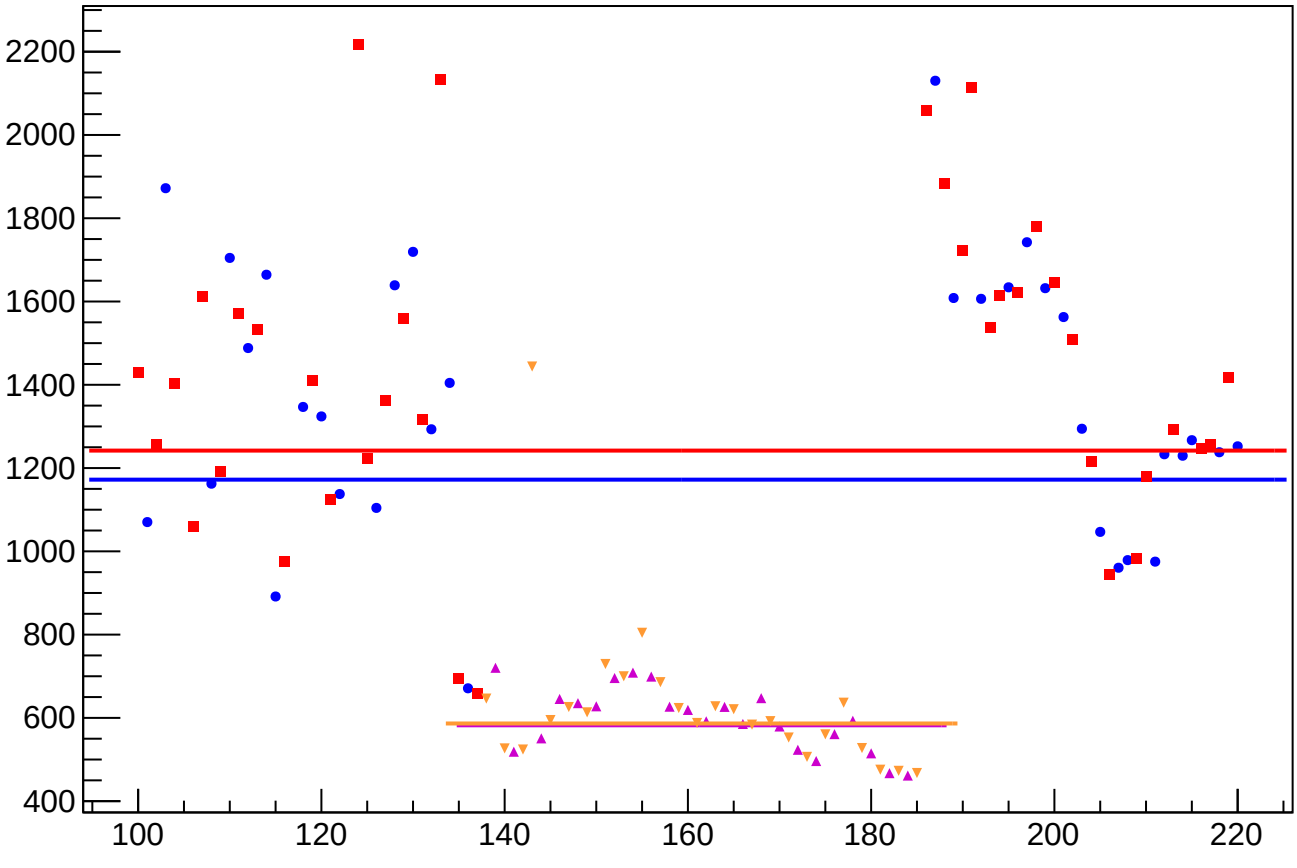
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 161.738+/-192.310 χ^2/NDF: 142.6/69

In: 202.668+/-121.885 χ^2/NDF:89.2/55

Out: 179.832+/-122.108 χ^2/NDF:153.1/61

All: 191.271+/-86.265 χ^2/NDF: 242.3/117



Right In: 1172.169+/-0.187 χ^2/NDF: 2717592.7/32

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

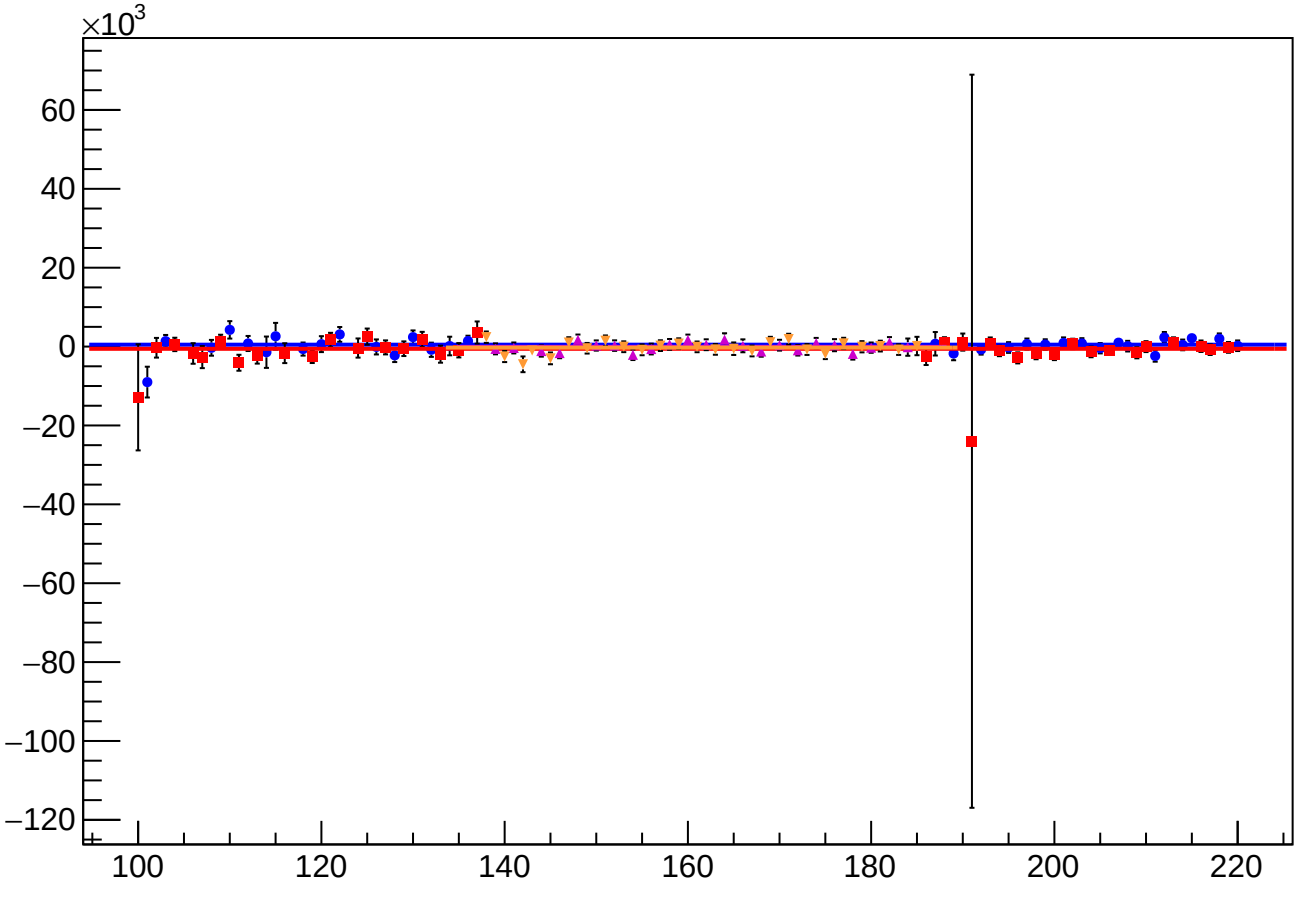
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1205.207+/-0.136 χ^2/NDF: 5545353.6/69

In: 706.995+/-0.086 χ^2/NDF:11092748.2/55

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 709.316+/-0.061 χ^2/NDF: 23956741.0/11



Right In: 478.364+/-277.186 χ^2/NDF: 29.5/32

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -567.132+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

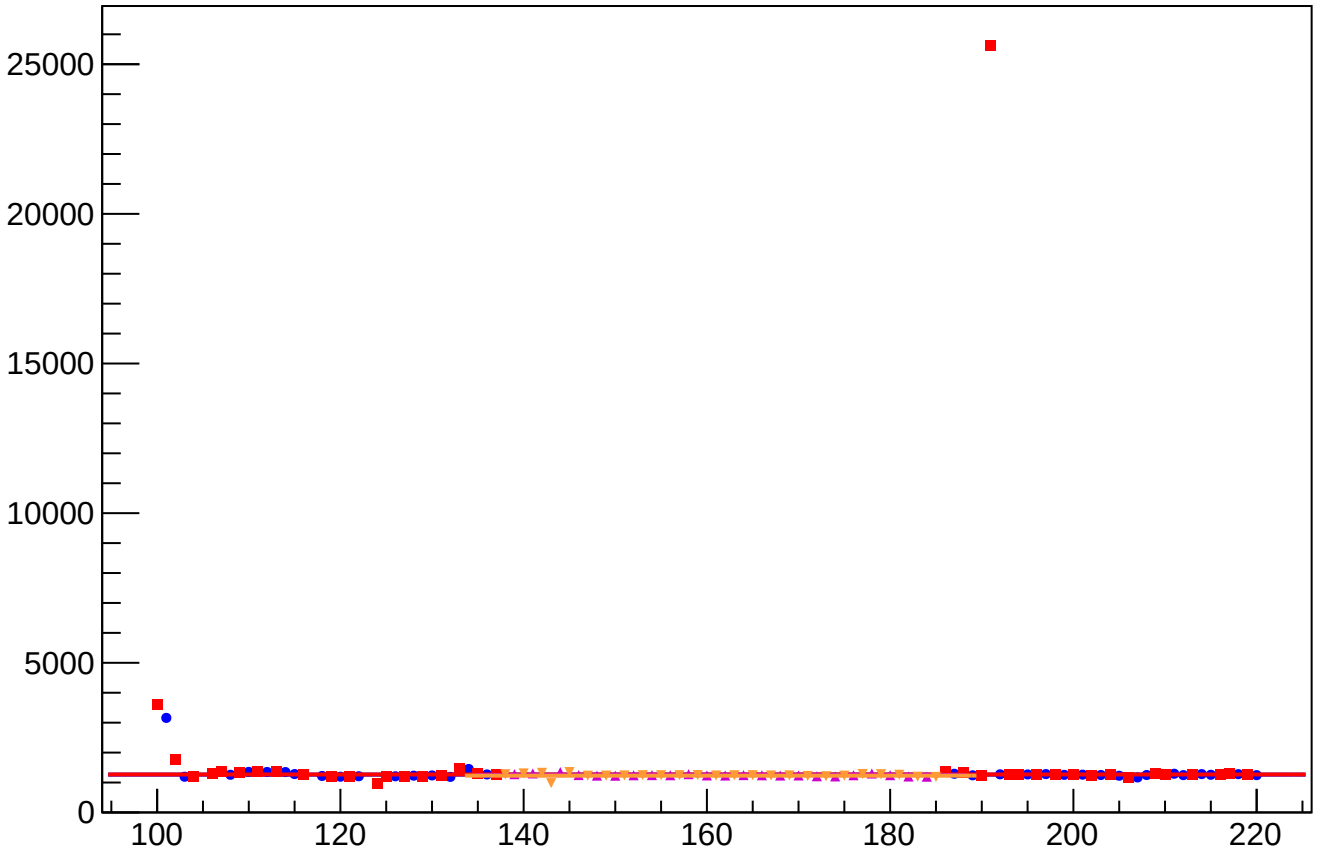
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -44.325+/-196.011 χ^2/NDF: 66.0/69

In: 215.619+/-200.856 χ^2/NDF:45.4/55

Out: -410.527+/-196.972 χ^2/NDF:54.0/61

All: -103.567+/-140.633 χ^2/NDF: 104.4/117



Right In: 1263.760+/-0.196 χ^2/NDF: 526092.4/32

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

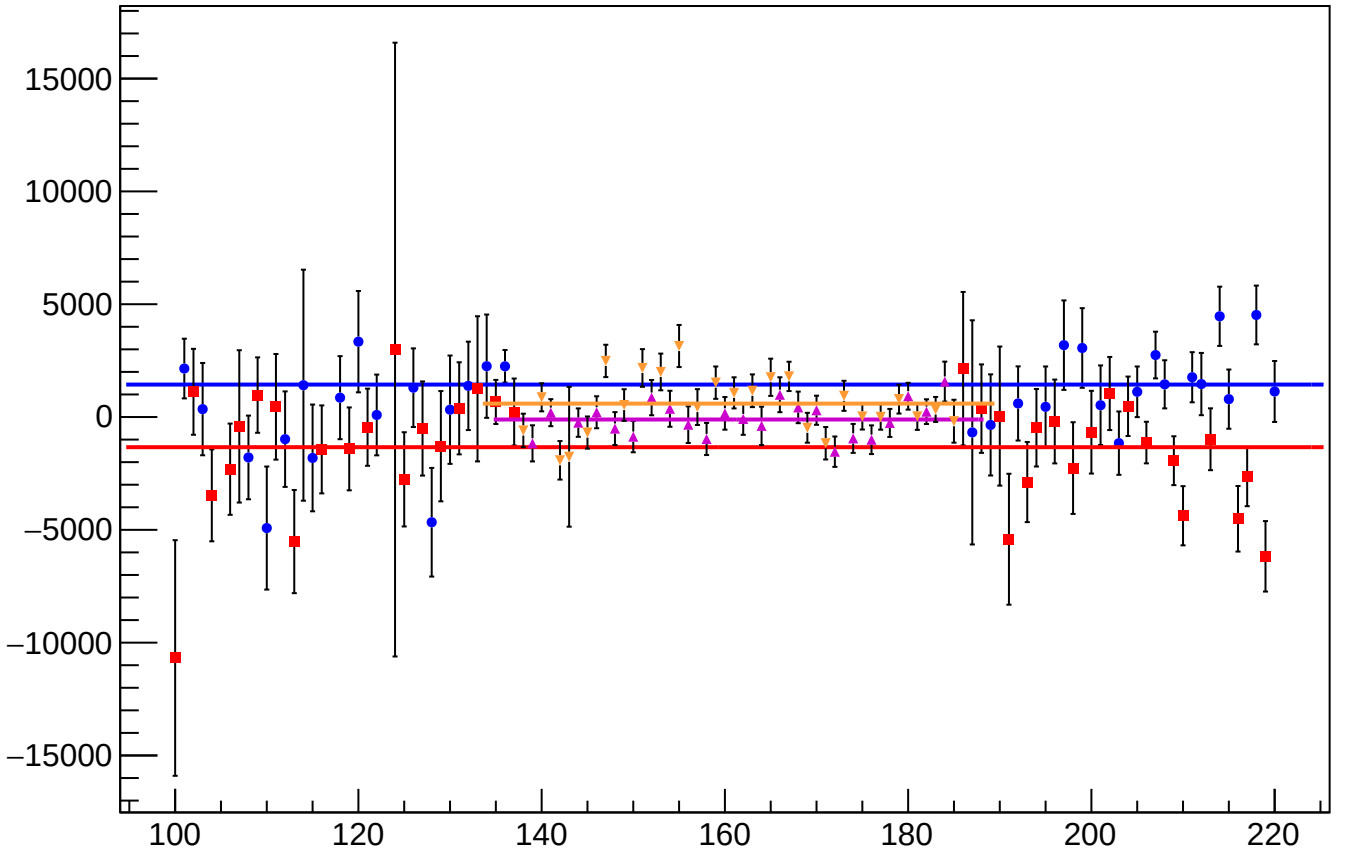
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.444+/-0.139 χ^2/NDF: 912449.0/69

In: 1256.173+/-0.142 χ^2/NDF:556588.2/55

Out: 1249.747+/-0.139 χ^2/NDF:547331.4/61

All: 1252.898+/-0.099 χ^2/NDF: 1104963.3/11



Right In: 1438.640+/-266.320 χ^2/NDF: 41.3/32

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -1336.522+/-281.612 χ^2/NDF: 50.7/36

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

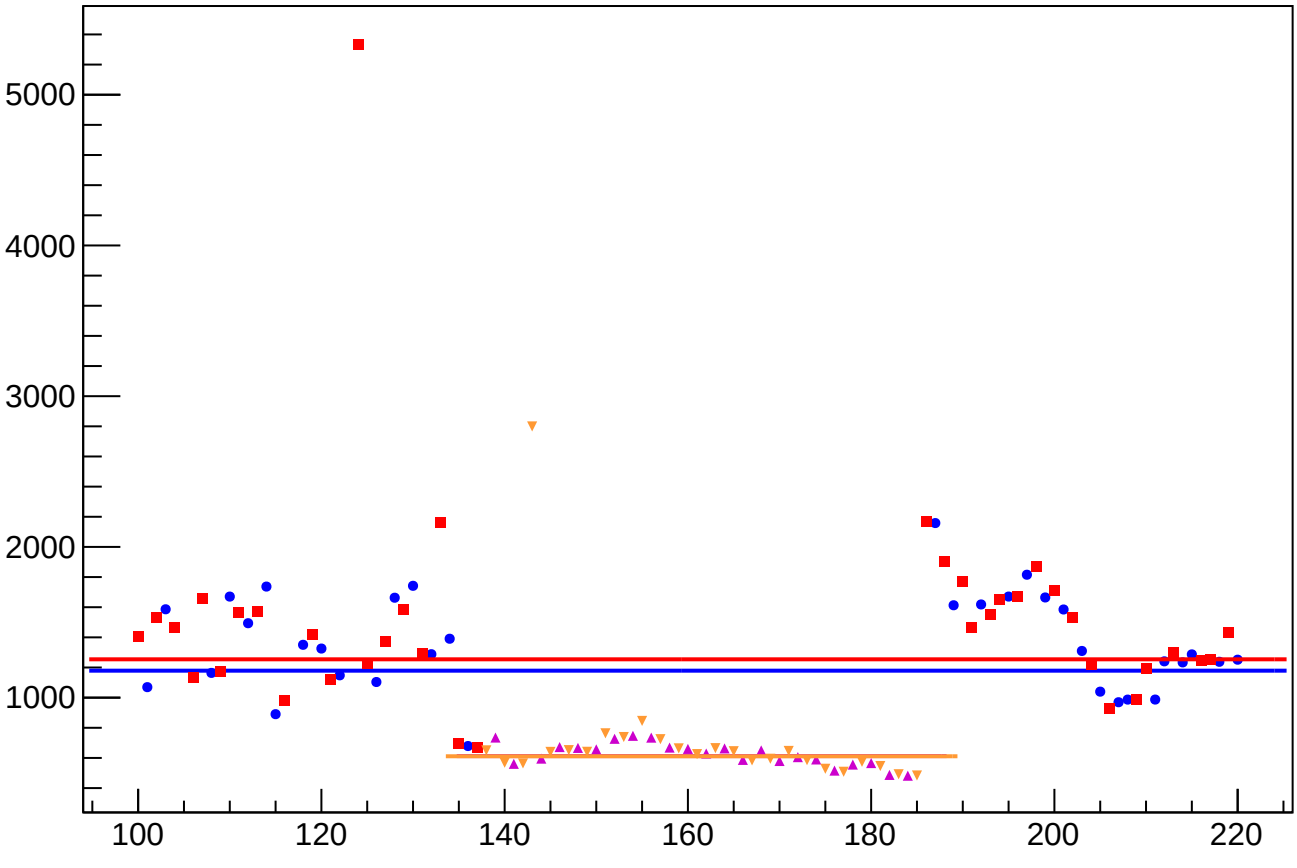
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 128.449+/-193.497 χ^2/NDF: 143.3/69

In: 241.016+/-126.827 χ^2/NDF:93.2/55

Out: 202.875+/-126.886 χ^2/NDF:145.5/61

All: 221.955+/-89.701 χ^2/NDF: 238.7/117



Right In: 1178.964+/-0.188 χ^2/NDF: 2656796.5/32

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

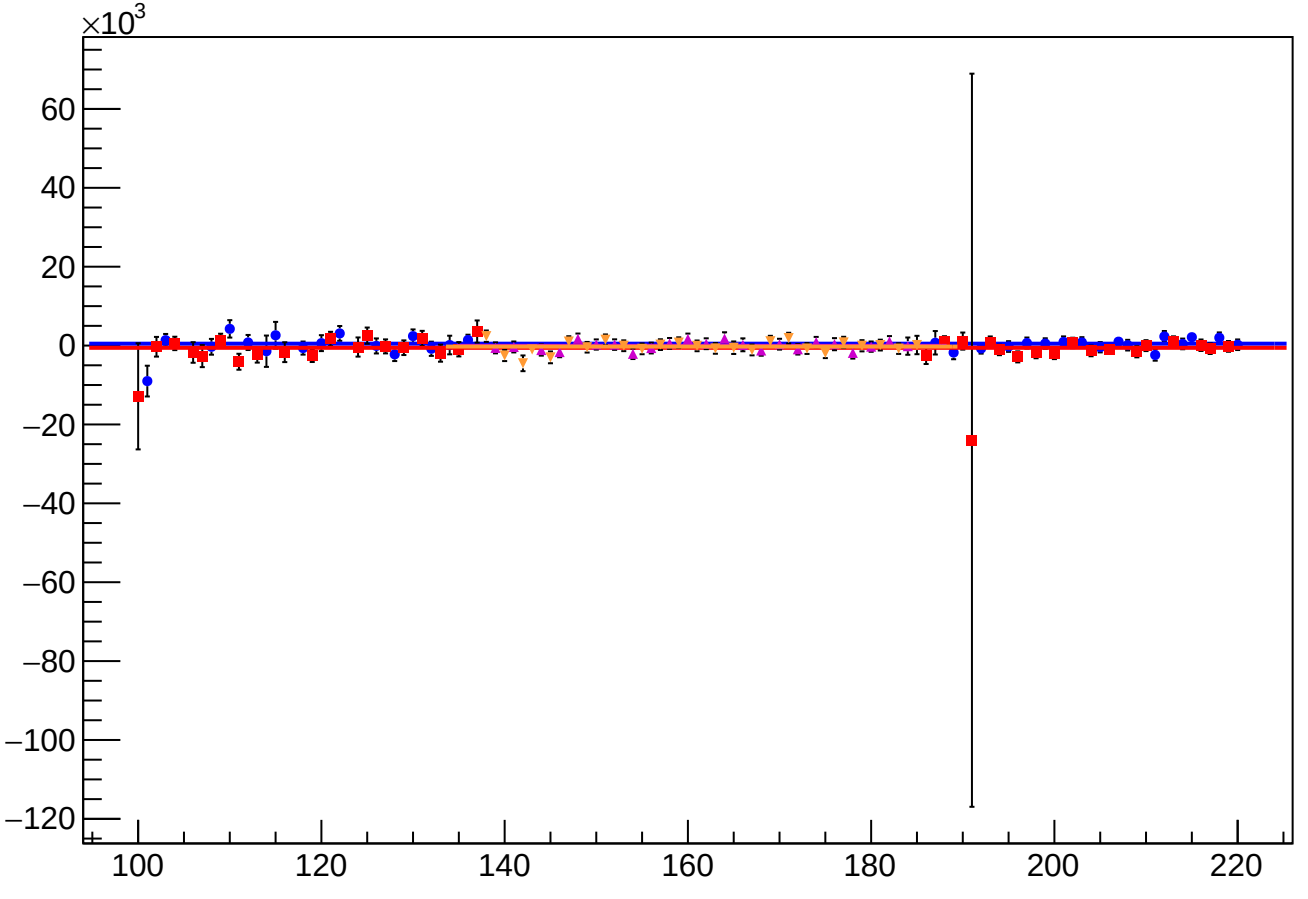
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1214.555+/-0.137 χ^2/NDF: 5789220.4/69

In: 740.888+/-0.090 χ^2/NDF:10164164.7/55

Out: 741.678+/-0.090 χ^2/NDF:12992940.7/61

All: 741.283+/-0.063 χ^2/NDF: 23157144.2/1



Right In: 478.360+/-277.186 χ^2/NDF: 29.5/32

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -567.130+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

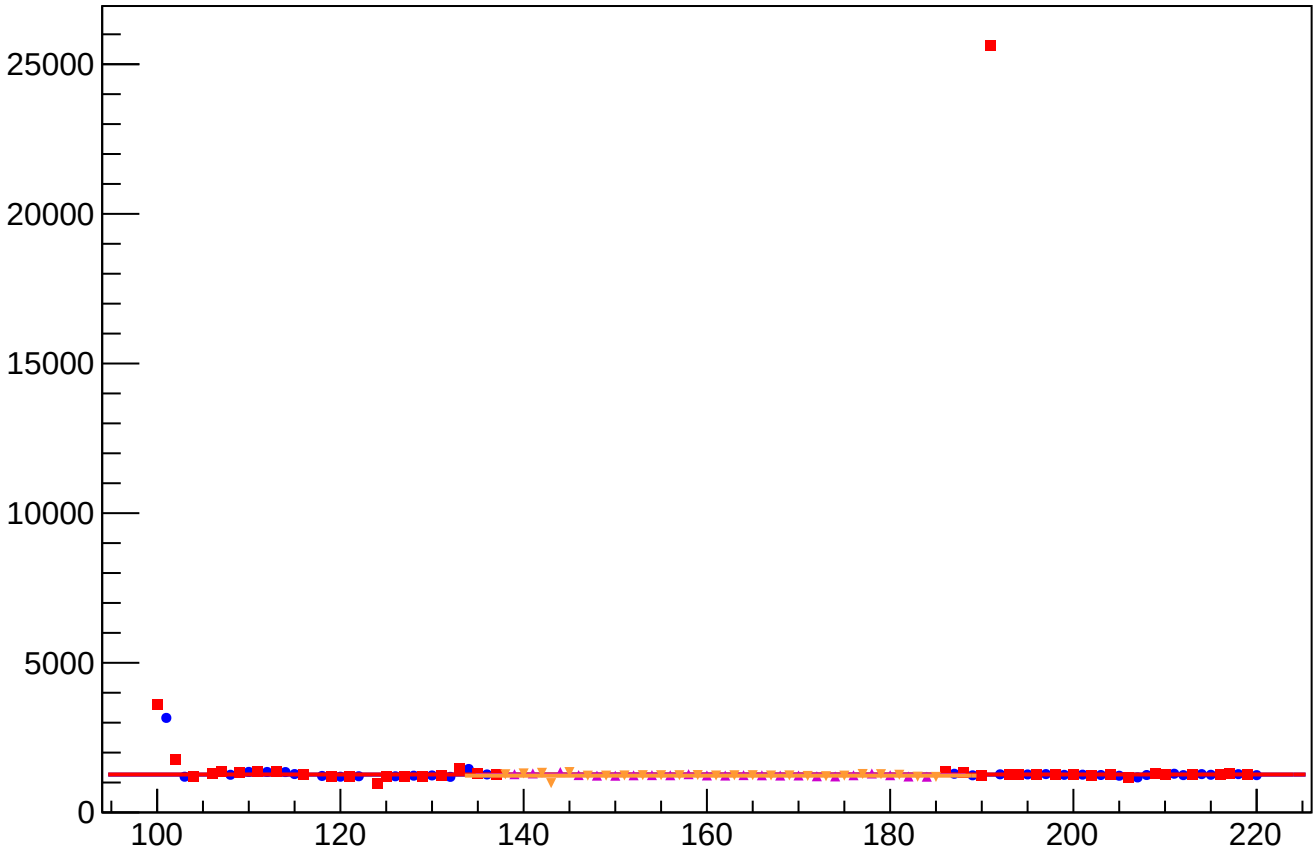
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -44.326+/-196.011 χ^2/NDF: 66.0/69

In: 215.616+/-200.856 χ^2/NDF:45.4/55

Out: -410.526+/-196.972 χ^2/NDF:54.0/61

All: -103.568+/-140.633 χ^2/NDF: 104.4/117



Right In: 1263.760+/-0.196 χ^2/NDF: 526092.5/32

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

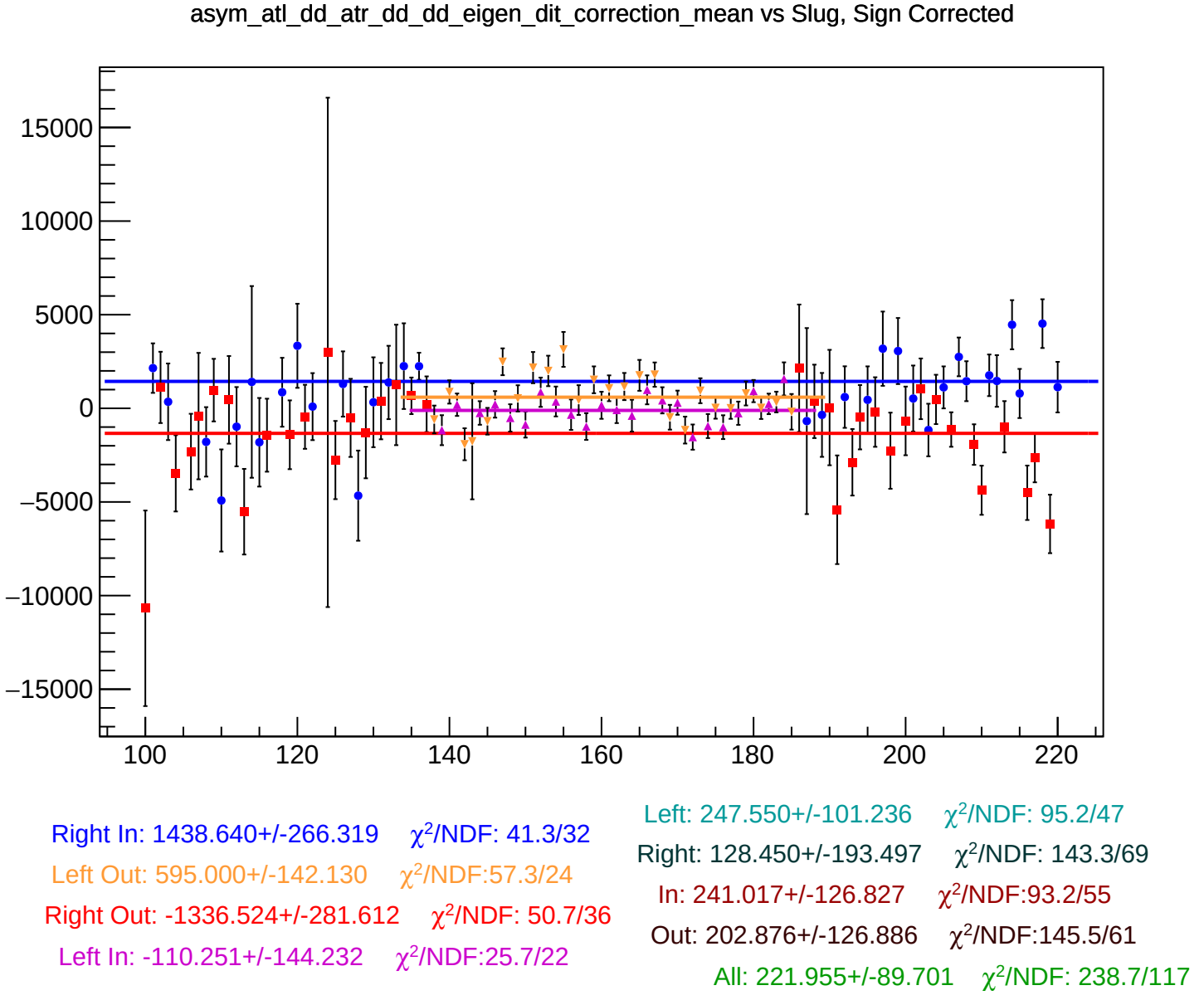
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1266.444+/-0.139 χ^2/NDF: 912448.9/69

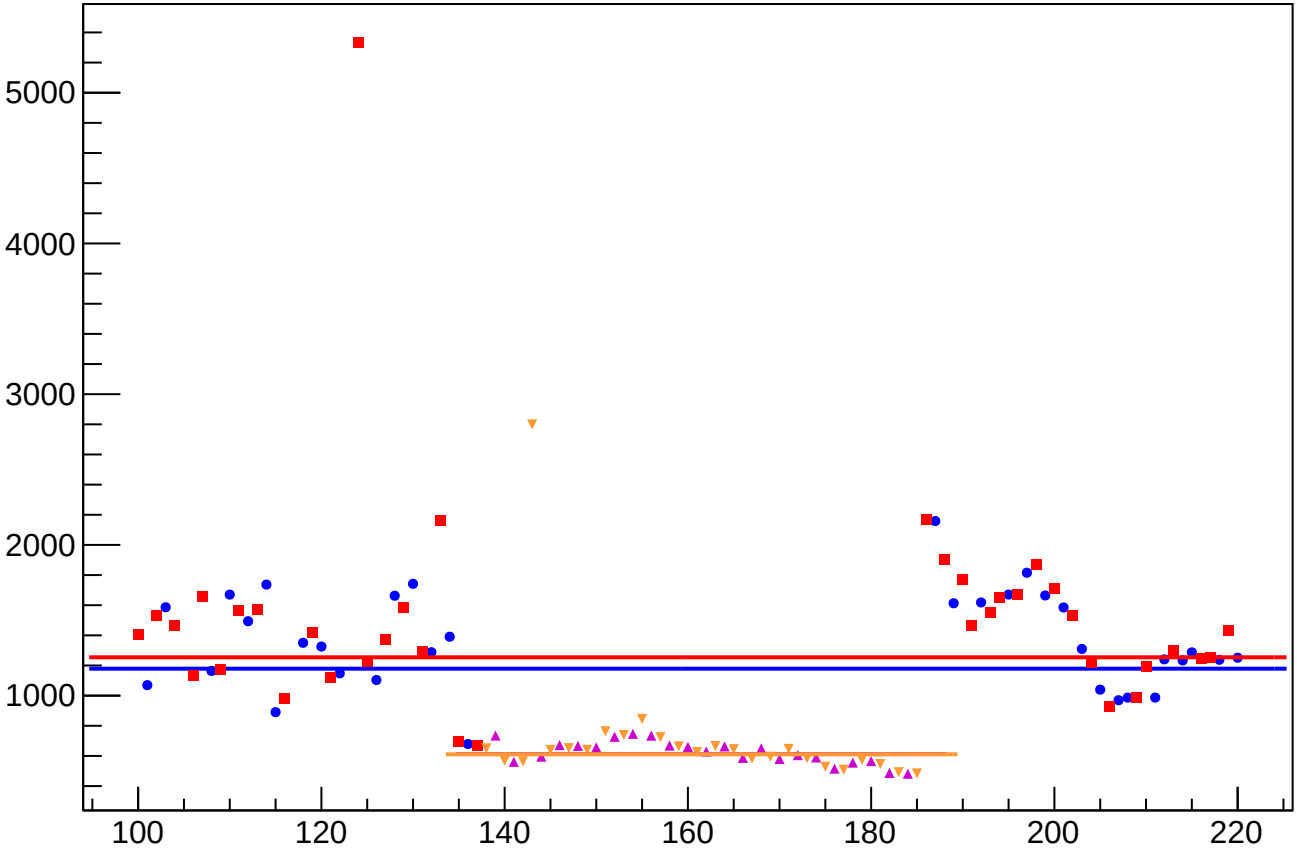
In: 1256.173+/-0.142 χ^2/NDF:556588.2/55

Out: 1249.747+/-0.139 χ^2/NDF:547330.3/61

All: 1252.897+/-0.099 χ^2/NDF: 1104962.2/11


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1438.640+/-266.319 χ²/NDF: 41.3/32
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -1336.524+/-281.612 χ²/NDF: 50.7/36
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 128.450+/-193.497 χ²/NDF: 143.3/69
In: 241.017+/-126.827 χ²/NDF:93.2/55
Out: 202.876+/-126.886 χ²/NDF:145.5/61
All: 221.955+/-89.701 χ²/NDF: 238.7/117

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1178.964+/-0.188 χ^2/NDF: 2656732.8/32

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1254.353+/-0.199 χ^2/NDF: 3056703.2/36

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

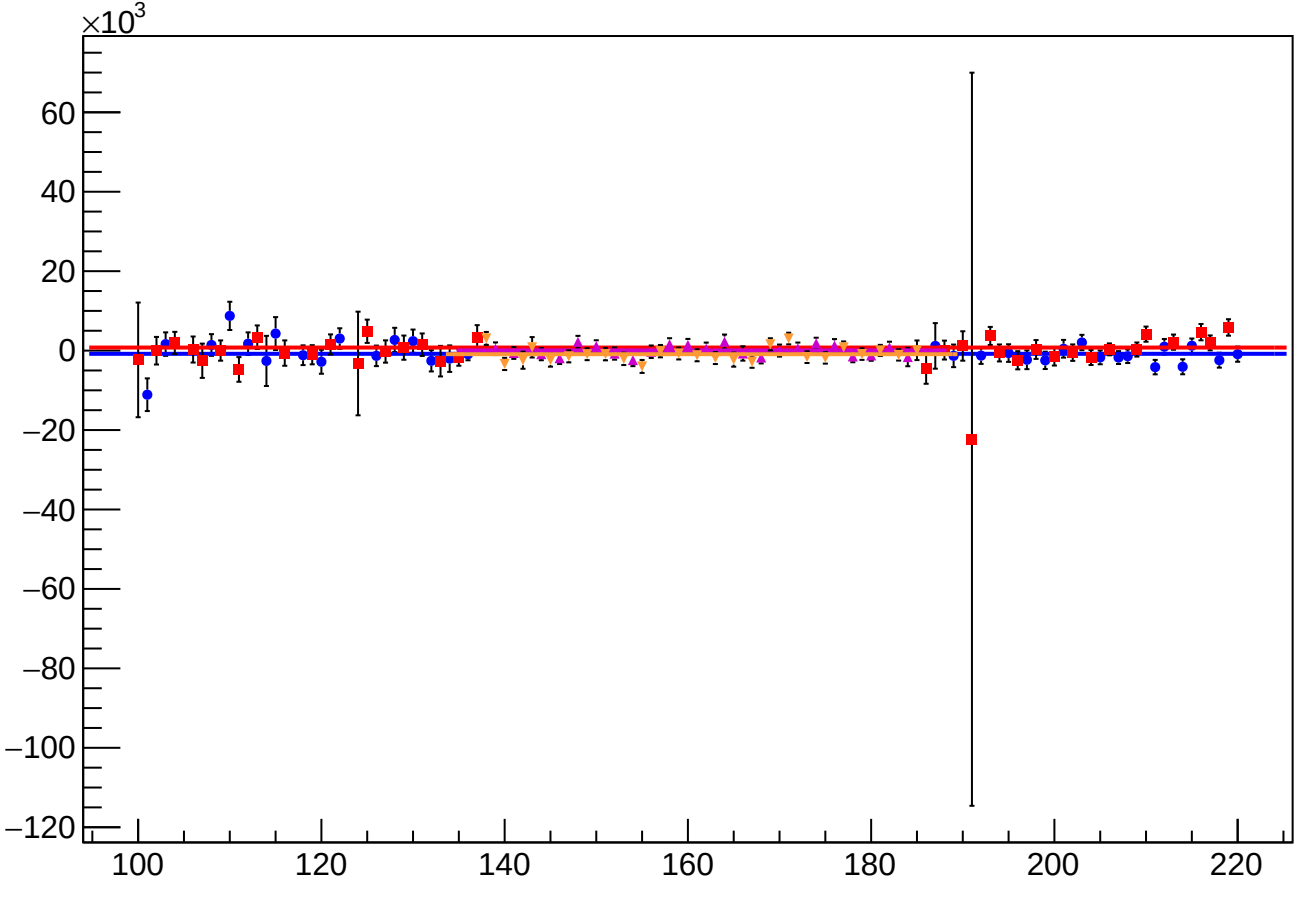
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1214.556+/-0.137 χ^2/NDF: 5789100.4/69

In: 740.888+/-0.090 χ^2/NDF:10164133.3/55

Out: 741.678+/-0.090 χ^2/NDF:12992931.5/61

All: 741.283+/-0.063 χ^2/NDF: 23157103.5/1



Right In: -806.245+/-400.049 χ^2/NDF: 36.5/32

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 771.194+/-411.095 χ^2/NDF: 33.8/36

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

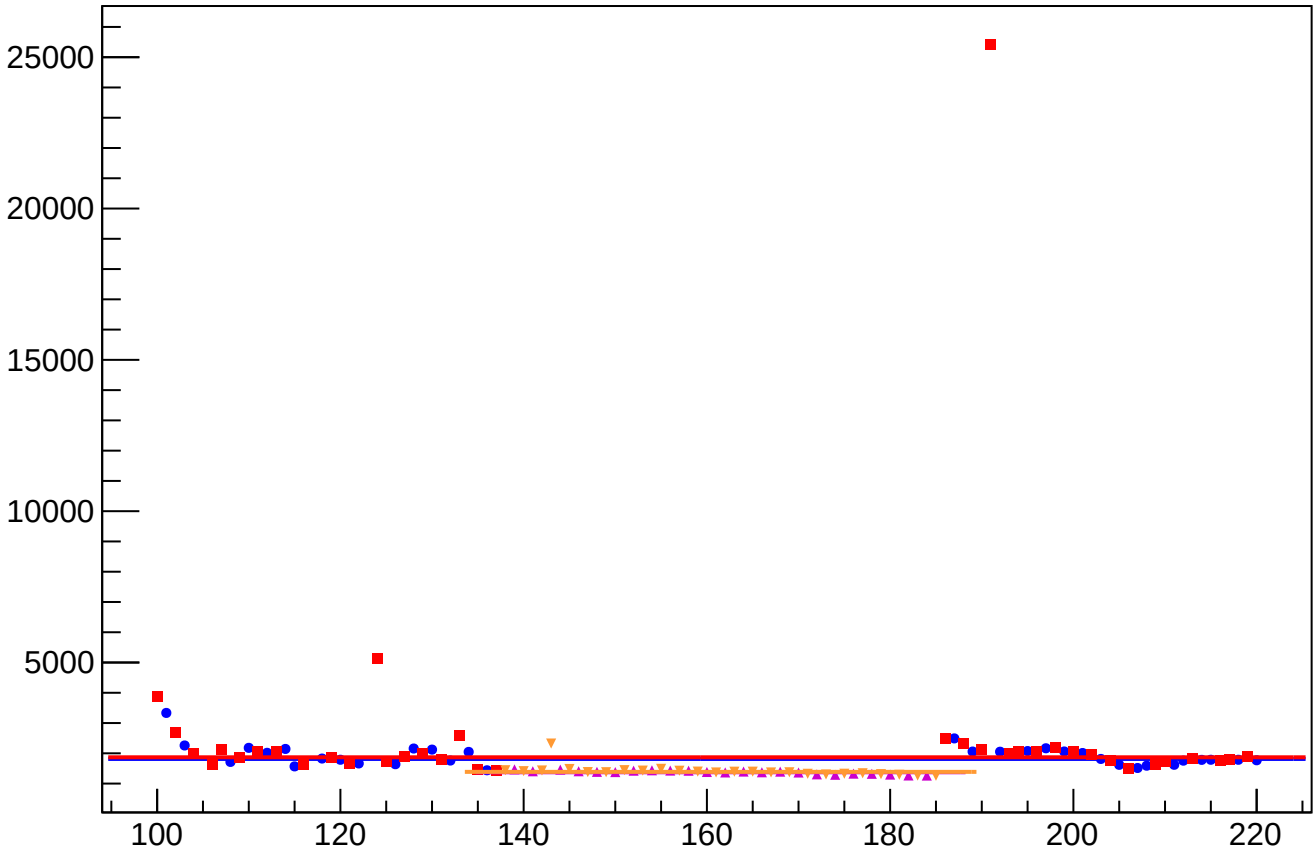
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -39.002+/-286.703 χ^2/NDF: 77.9/69

In: -286.385+/-250.332 χ^2/NDF:57.2/55

Out: -278.124+/-250.759 χ^2/NDF:74.0/61

All: -282.261+/-177.162 χ^2/NDF: 131.2/117



Right In: 1813.990+/-0.283 χ^2/NDF: 895229.7/32

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1868.082+/-0.291 χ^2/NDF: 1060084.3/36

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

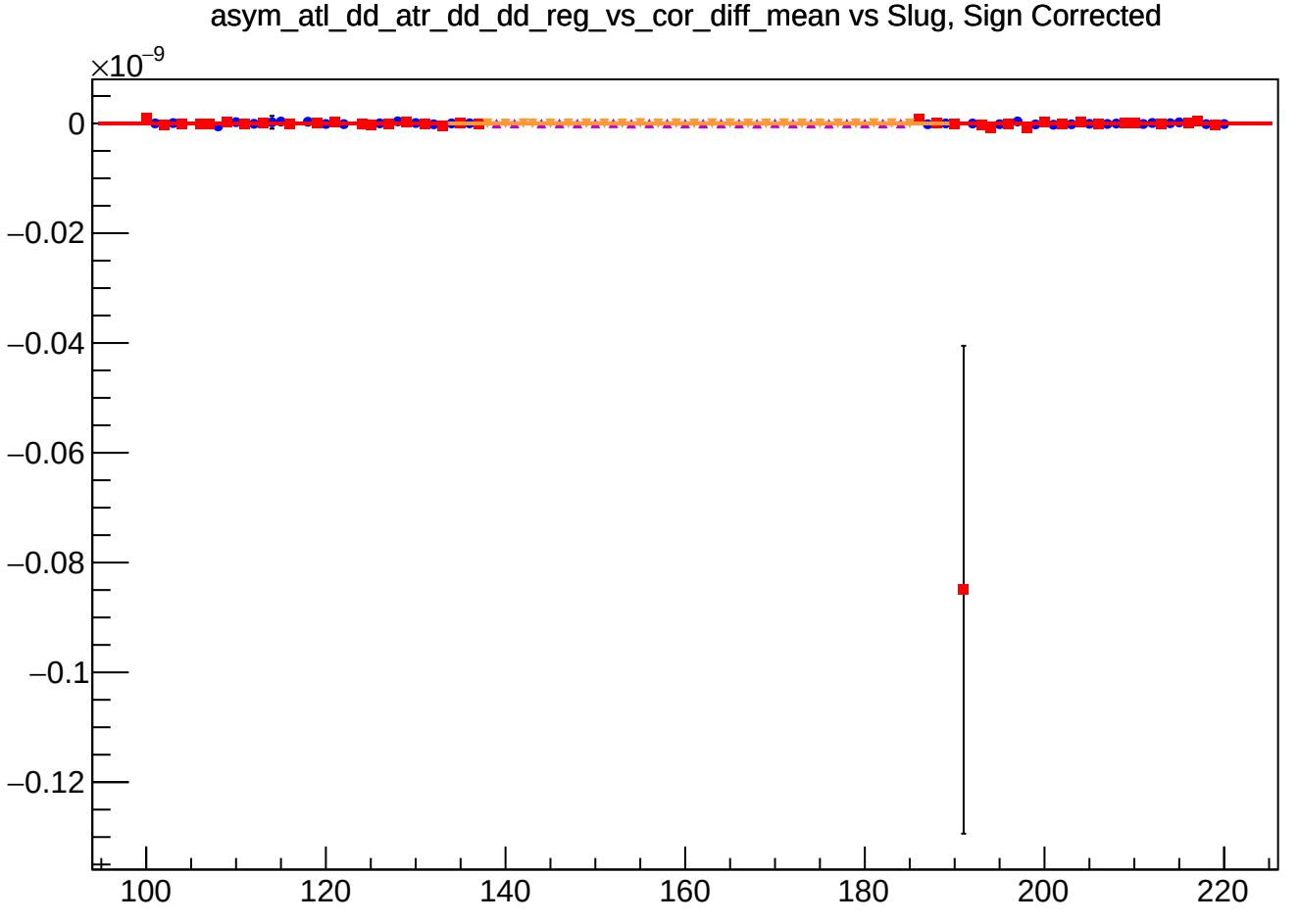
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1840.299+/-0.203 χ^2/NDF: 1973098.7/69

In: 1545.808+/-0.177 χ^2/NDF:2436926.2/55

Out: 1565.902+/-0.177 χ^2/NDF:3120850.6/61

All: 1555.838+/-0.125 χ^2/NDF: 5564208.8/11



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 58.3/36

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

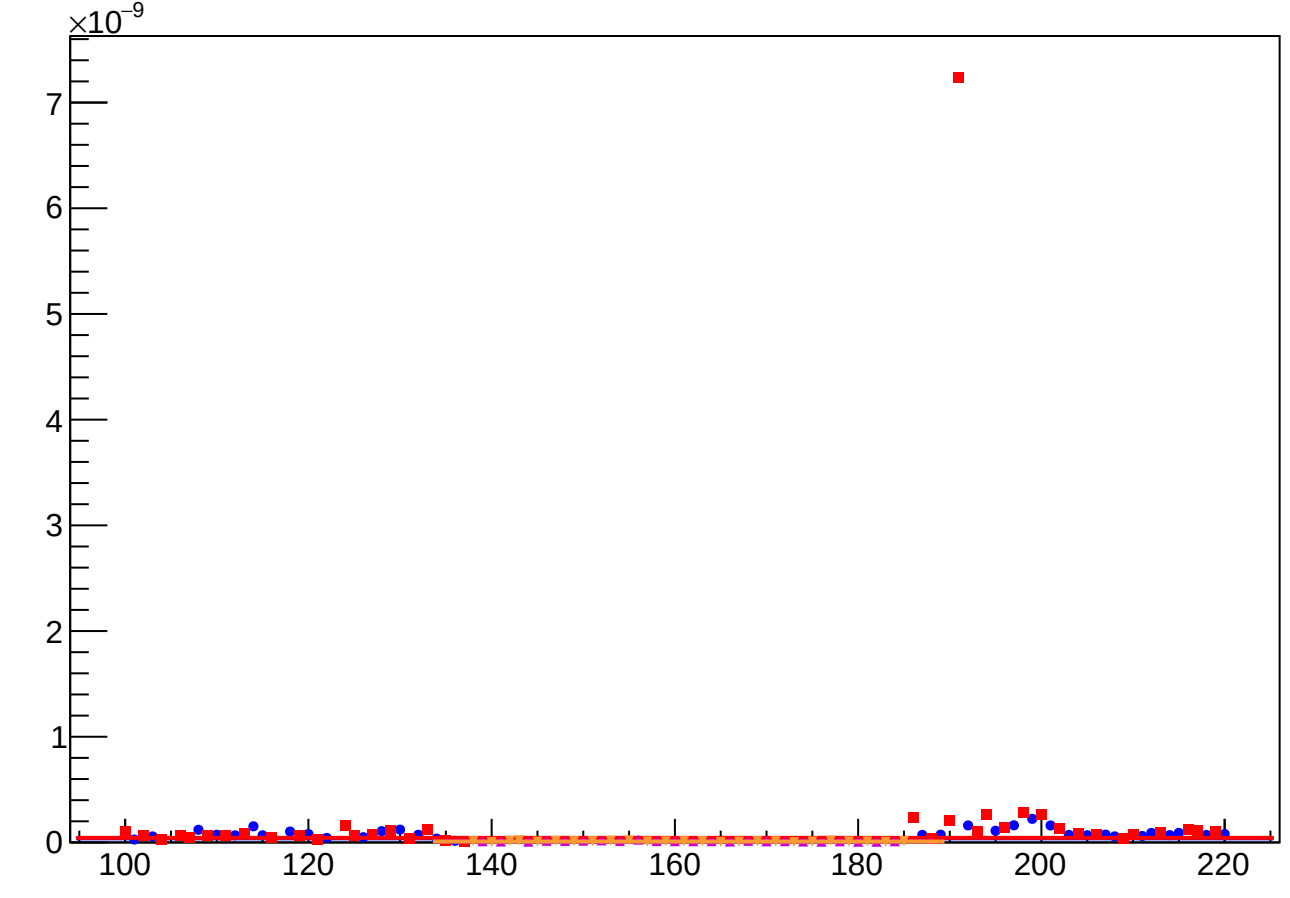
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 87.7/69

In: 0.000+/-0.000 χ^2/NDF:42.6/55

Out: 0.000+/-0.000 χ^2/NDF:83.5/61

All: 0.000+/-0.000 χ^2/NDF: 126.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 7339683.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

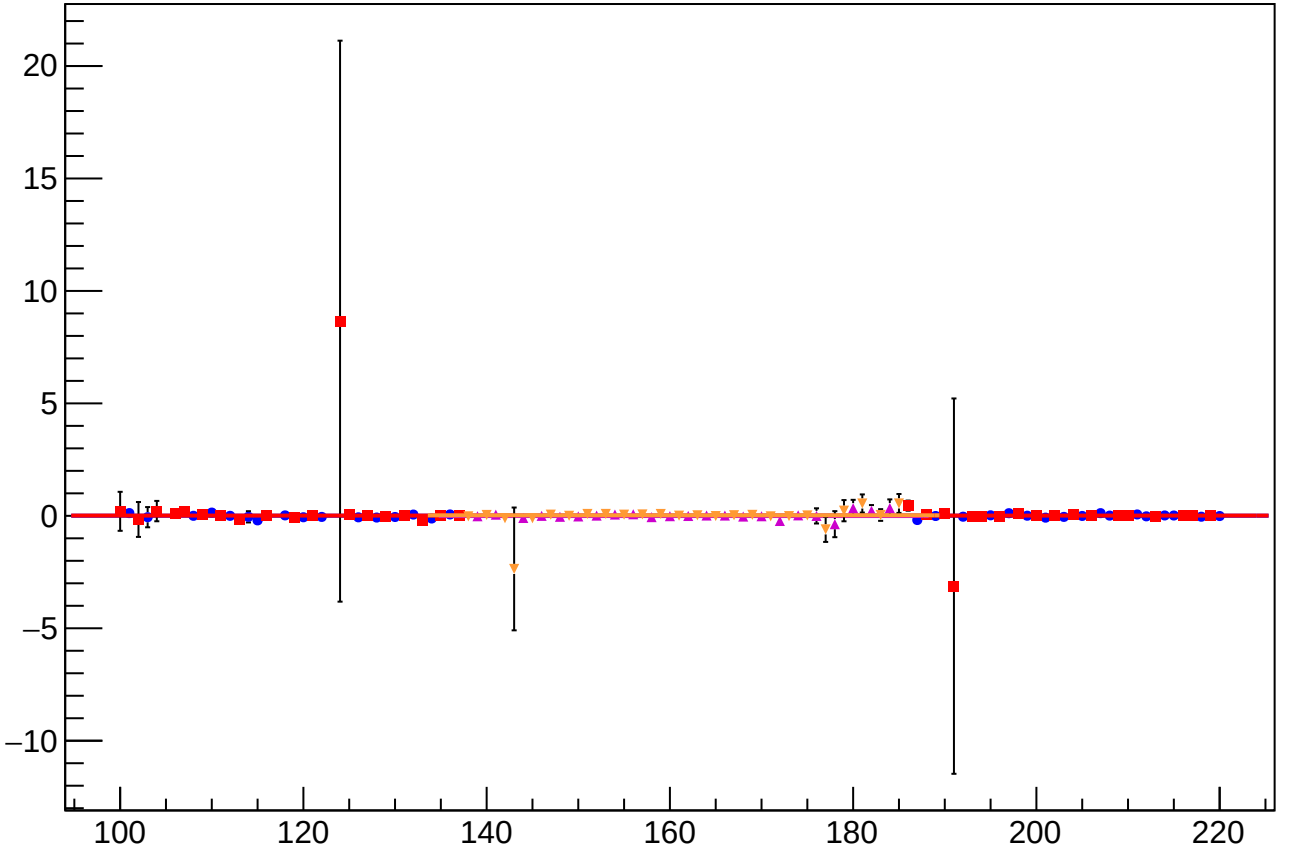
Right: 0.000+/-0.000 χ^2/NDF: 15307406.9/69

In: 0.000+/-0.000 χ^2/NDF:14156730.5/55

Out: 0.000+/-0.000 χ^2/NDF:16772039.7/61

All: 0.000+/-0.000 χ^2/NDF: 31293634.6/117

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 48.5/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

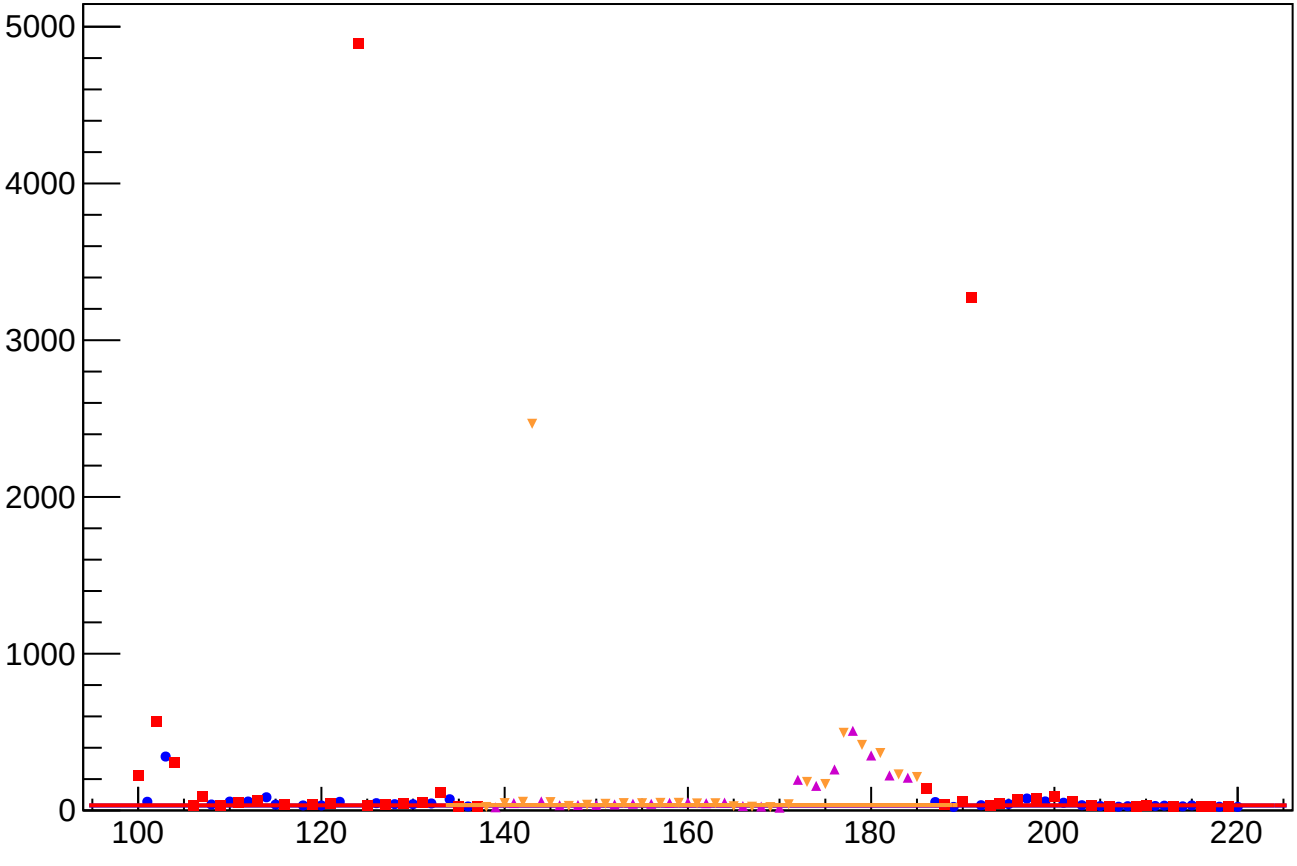
Right: 0.008+/-0.006 χ^2/NDF: 73.3/69

In: -0.001+/-0.006 χ^2/NDF:64.7/55

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 116.3/117

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.239+/-0.006 χ^2/NDF: 4174419.1/32

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

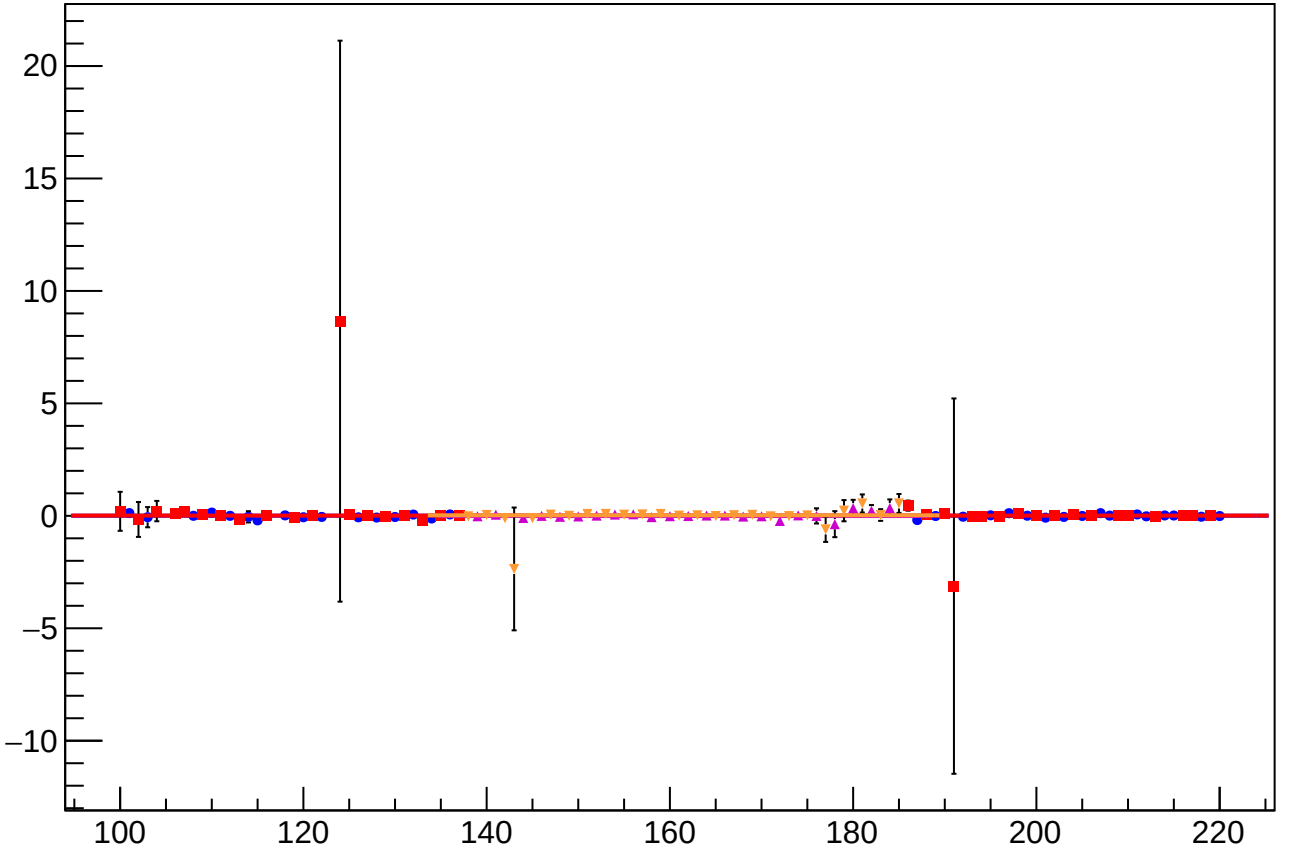
Right: 31.984+/-0.004 χ^2/NDF: 11076007.0/69

In: 32.142+/-0.004 χ^2/NDF:14310974.2/55

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 32.817+/-0.003 χ^2/NDF: 32662720.0/117

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 48.5/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

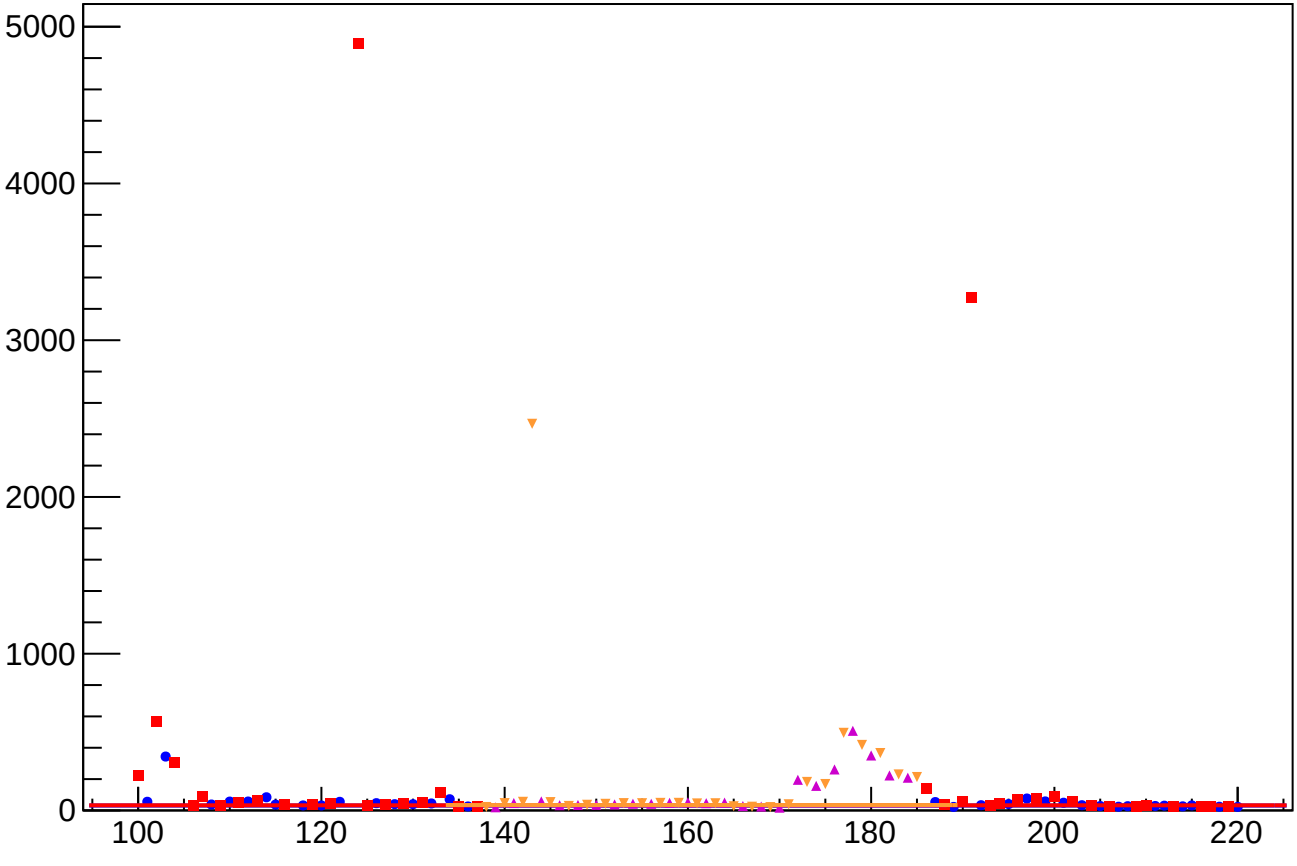
Right: 0.008+/-0.006 χ^2/NDF: 73.3/69

In: -0.001+/-0.006 χ^2/NDF:64.7/55

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 116.3/117

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.239+/-0.006 χ^2/NDF: 4174419.1/32

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

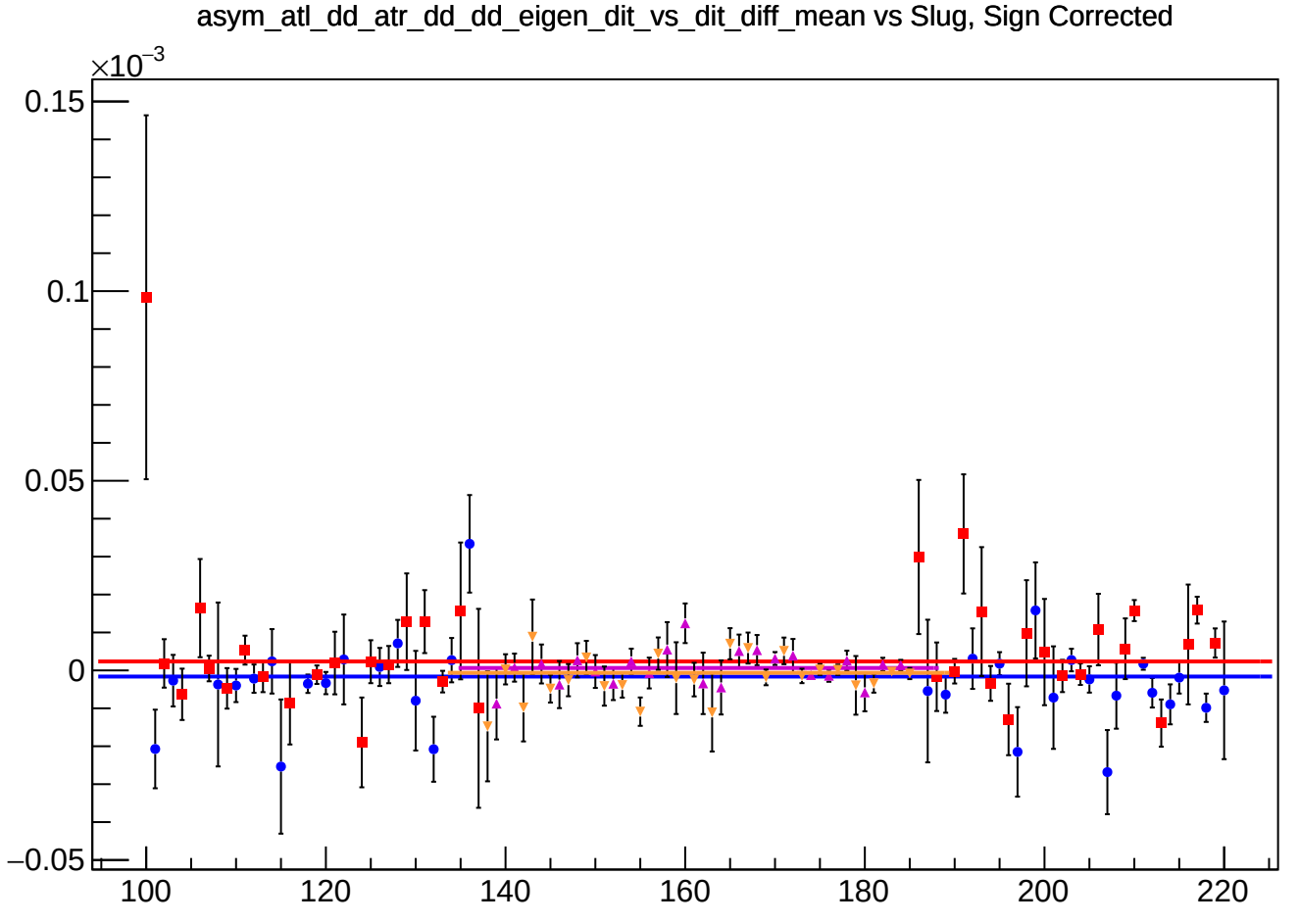
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 31.984+/-0.004 χ^2/NDF: 11076007.0/69

In: 32.142+/-0.004 χ^2/NDF:14310974.2/55

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 32.817+/-0.003 χ^2/NDF: 32662720.0/117



Right In: -0.000+/-0.000 χ^2/NDF: 50.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 85.6/36

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

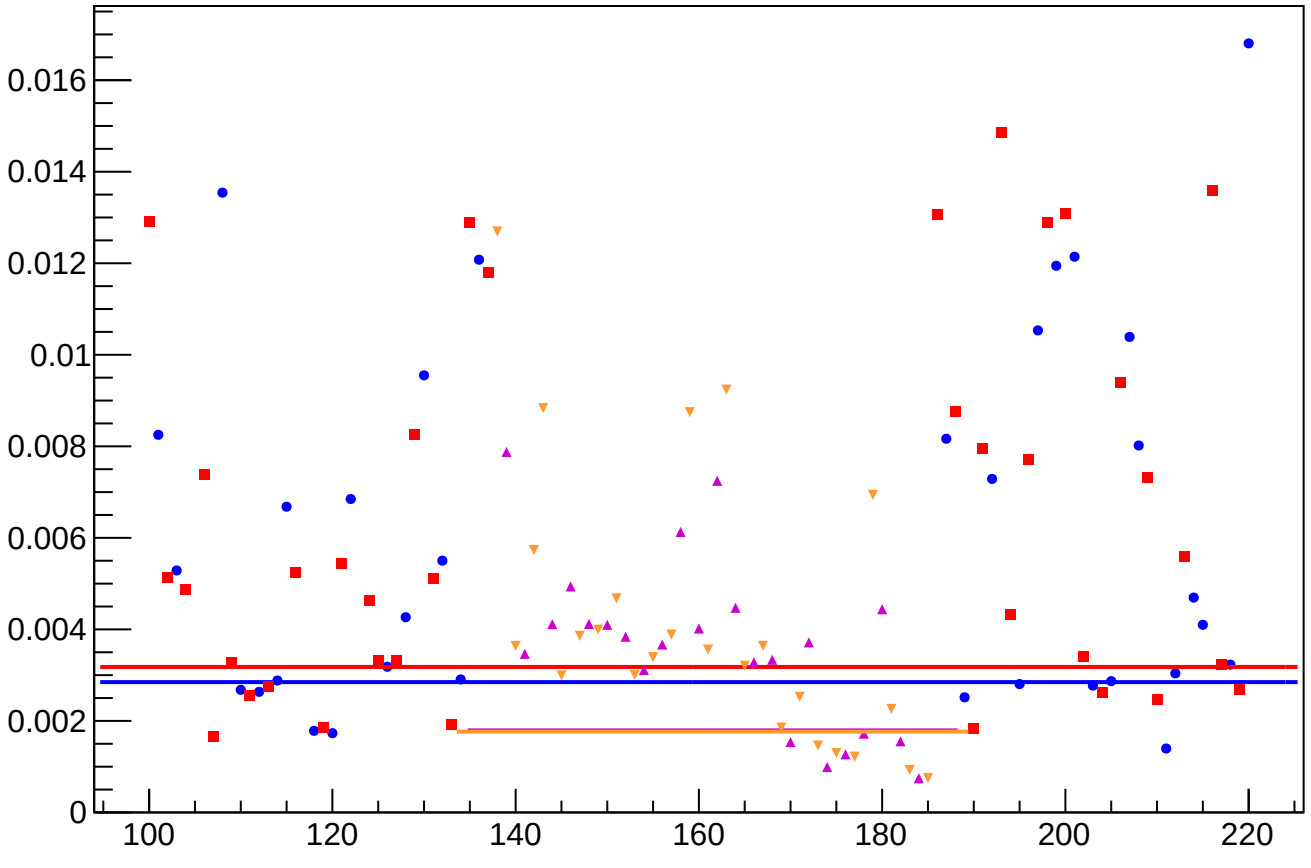
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: 0.000+/-0.000 χ^2/NDF: 147.7/69

In: -0.000+/-0.000 χ^2/NDF:77.7/55

Out: 0.000+/-0.000 χ^2/NDF:123.2/61

All: 0.000+/-0.000 χ^2/NDF: 201.1/117



Right In: 0.003+/-0.000 χ^2/NDF: 12735704.0/32

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

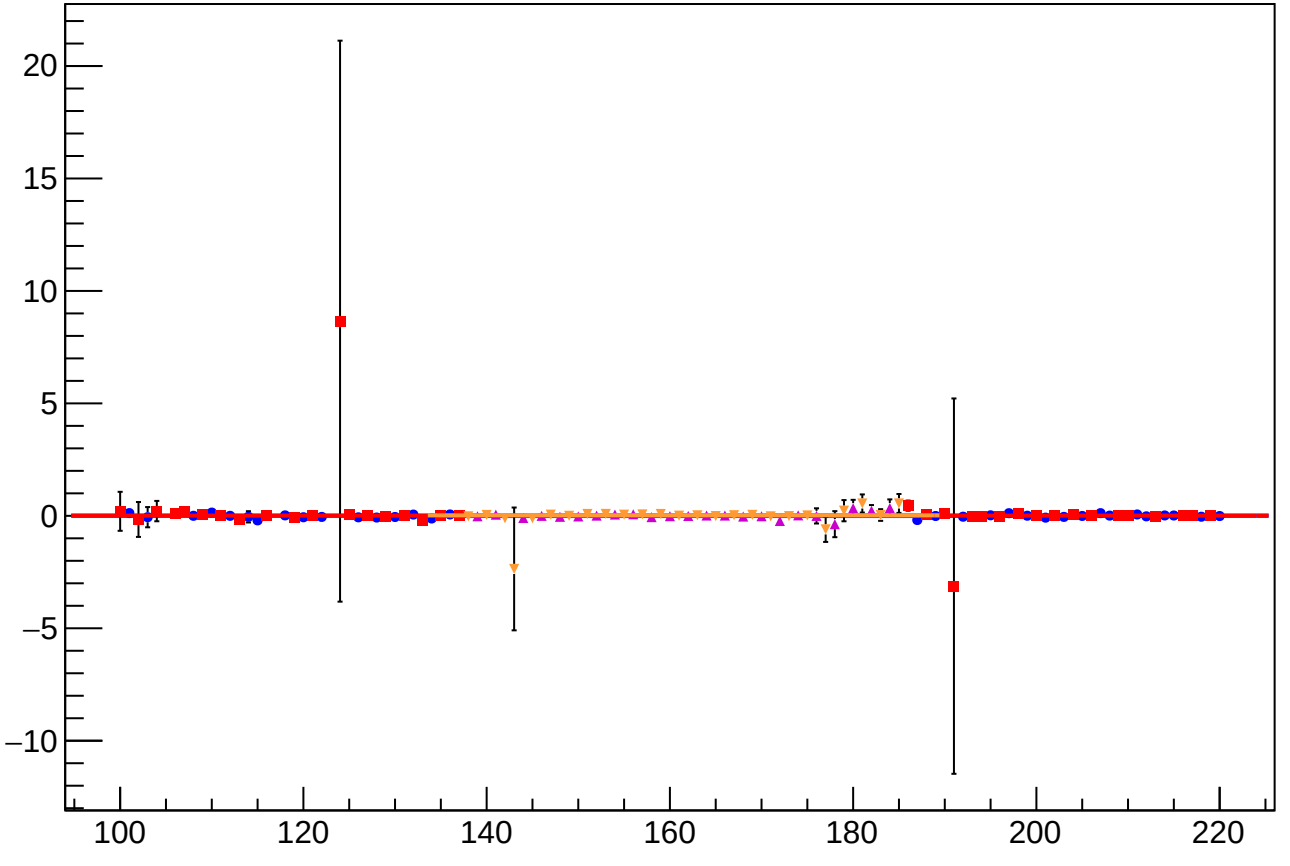
Right: 0.003+/-0.000 χ^2/NDF: 24533881.1/69

In: 0.002+/-0.000 χ^2/NDF:25947108.4/55

Out: 0.002+/-0.000 χ^2/NDF:28698438.0/61

All: 0.002+/-0.000 χ^2/NDF: 54646556.8/117

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 48.6/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

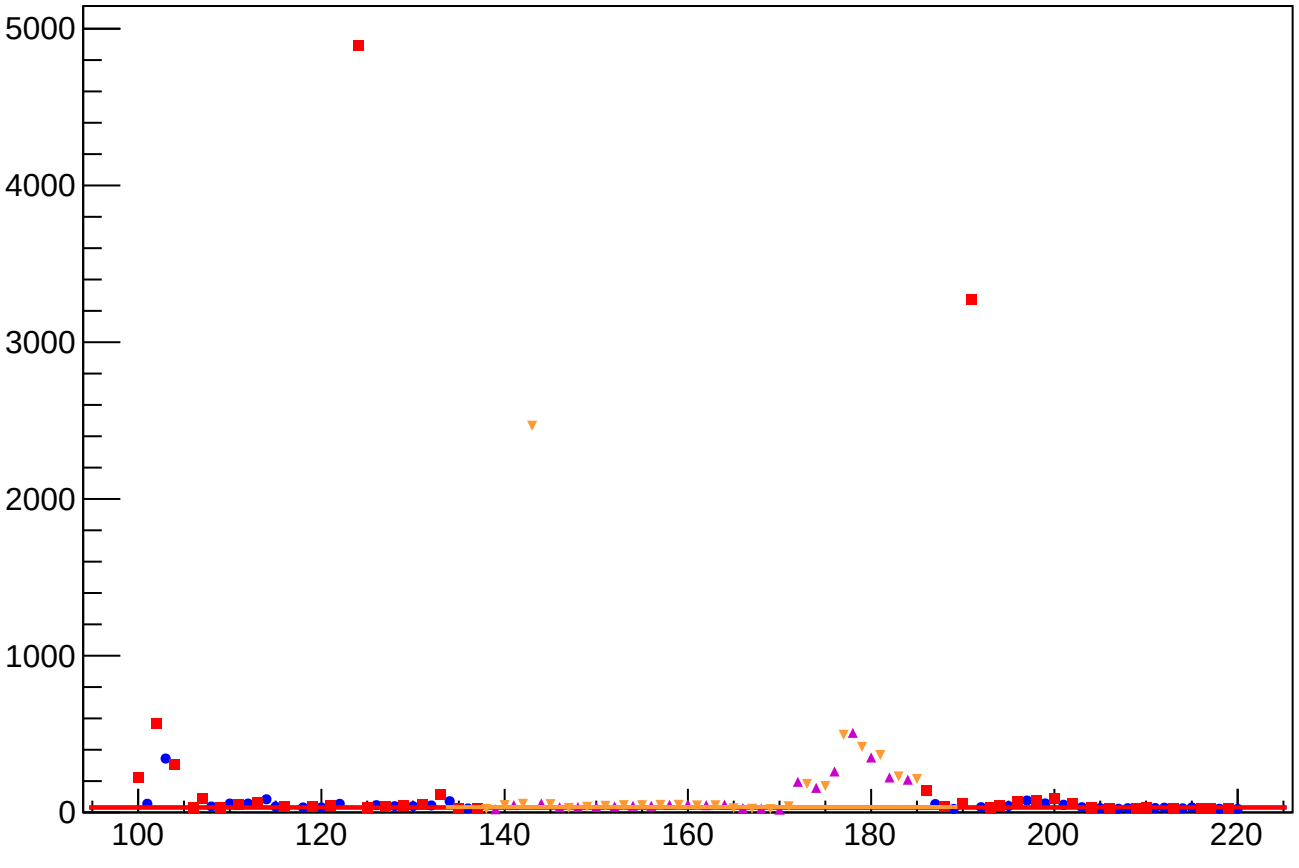
Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

Right: 0.008+/-0.006 χ^2/NDF: 73.3/69

In: -0.001+/-0.006 χ^2/NDF:64.7/55

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 116.4/117



Right In: 31.241+/-0.006 χ^2/NDF: 4173311.4/32

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

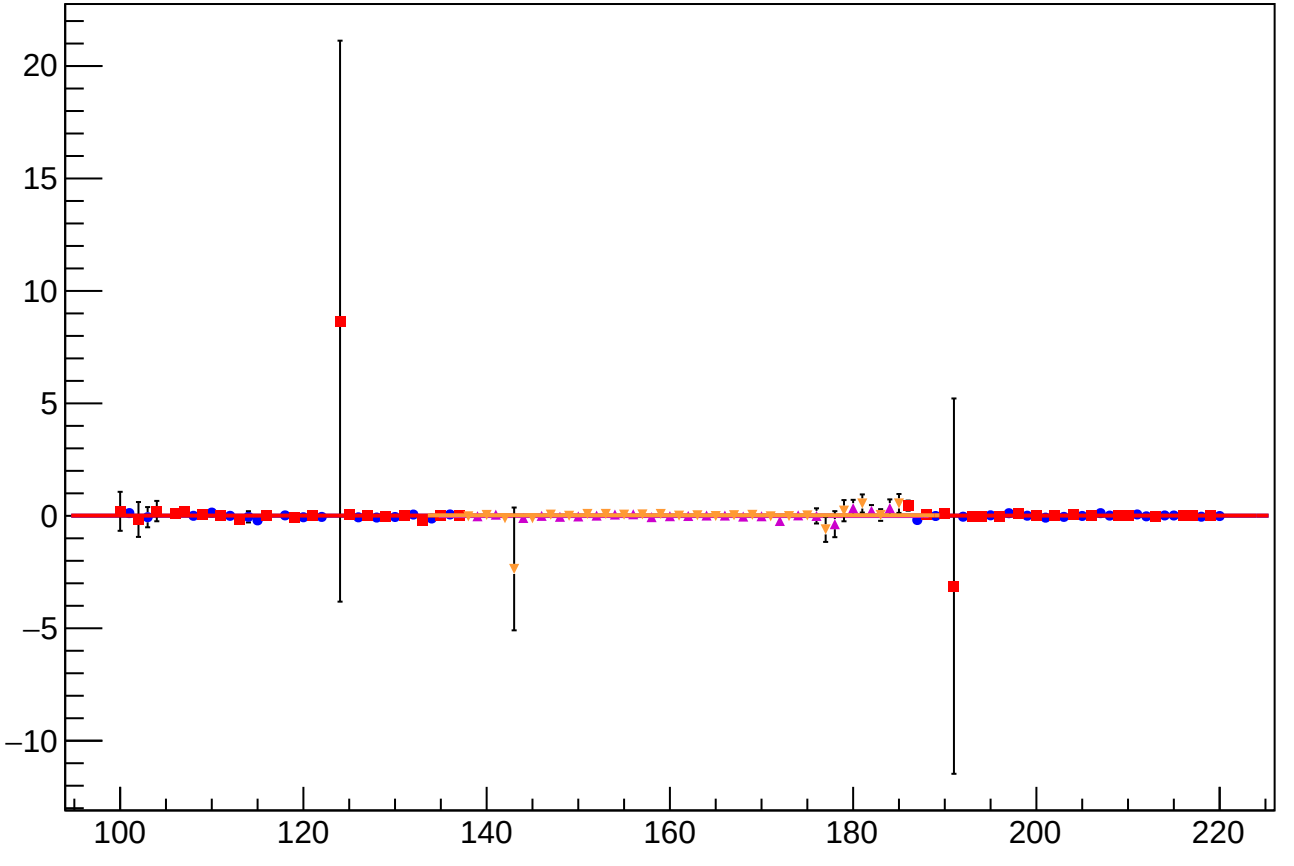
Right: 31.985+/-0.004 χ^2/NDF: 11074744.7/69

In: 32.144+/-0.004 χ^2/NDF:14308601.0/55

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 32.818+/-0.003 χ^2/NDF: 32660175.2/117

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 48.6/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

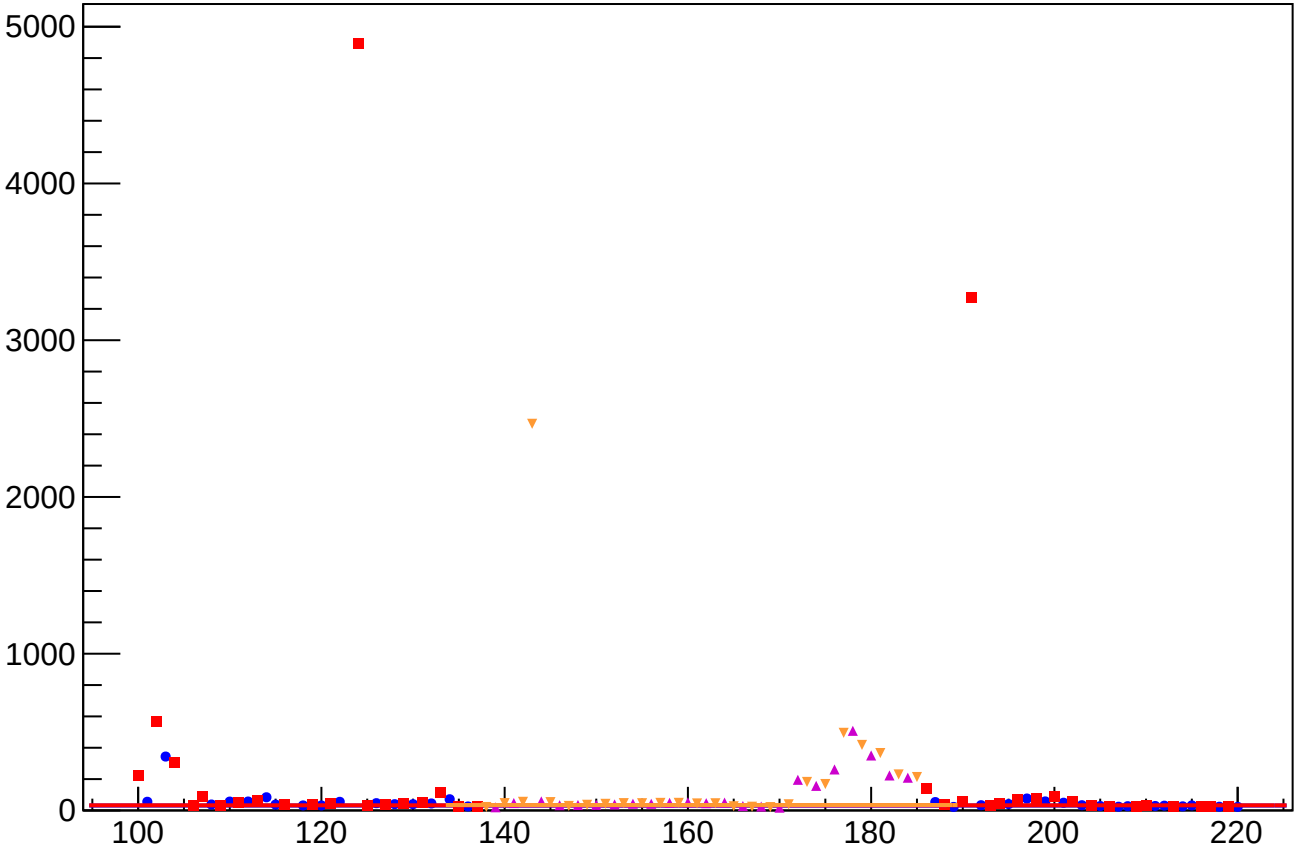
Right: 0.008+/-0.006 χ^2/NDF: 73.3/69

In: -0.001+/-0.006 χ^2/NDF:64.7/55

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 116.4/117

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.241+/-0.006 χ^2/NDF: 4173311.4/32

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

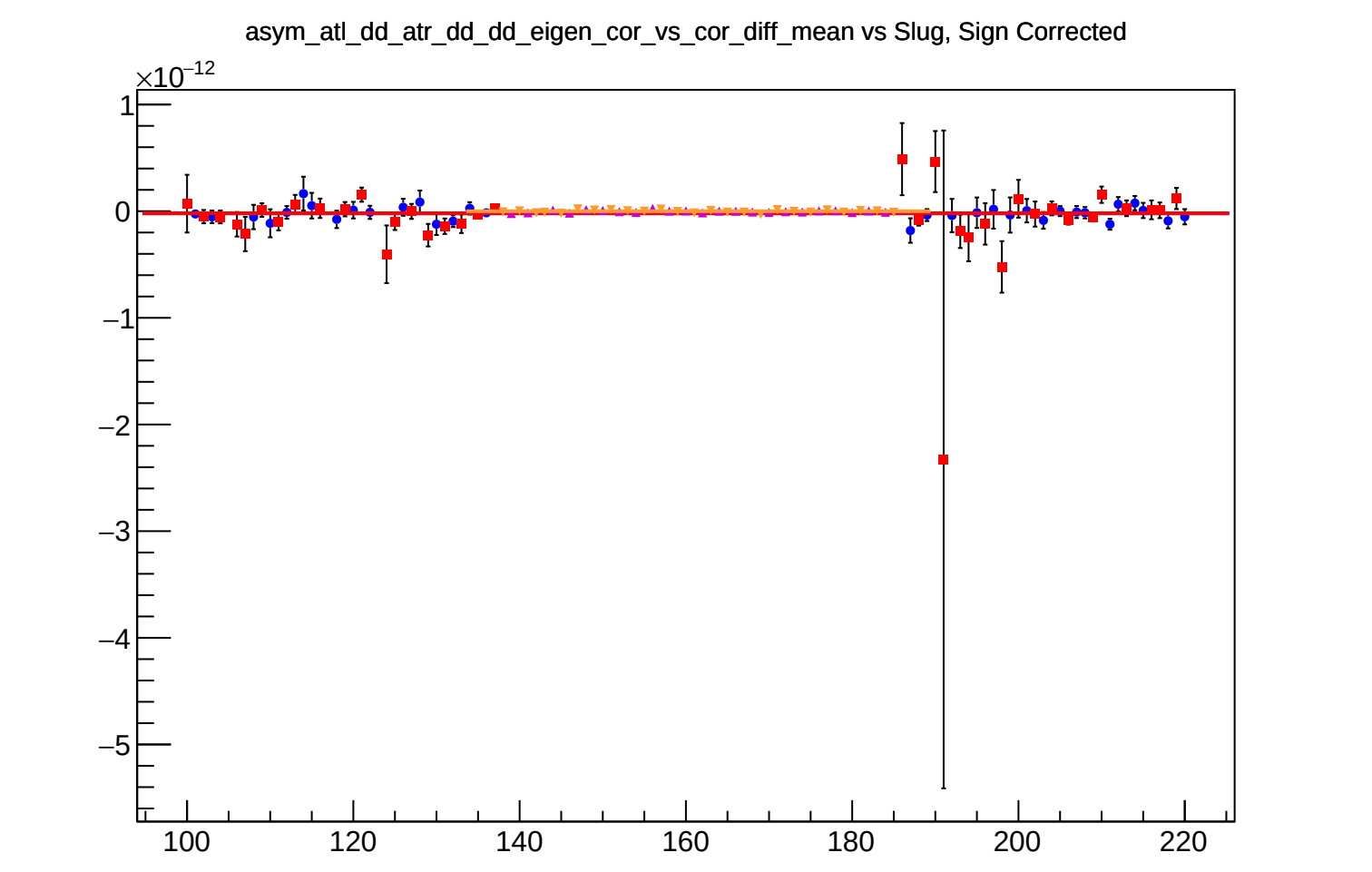
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 31.985+/-0.004 χ^2/NDF: 11074744.7/69

In: 32.144+/-0.004 χ^2/NDF:14308601.0/55

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 32.818+/-0.003 χ^2/NDF: 32660175.2/117



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

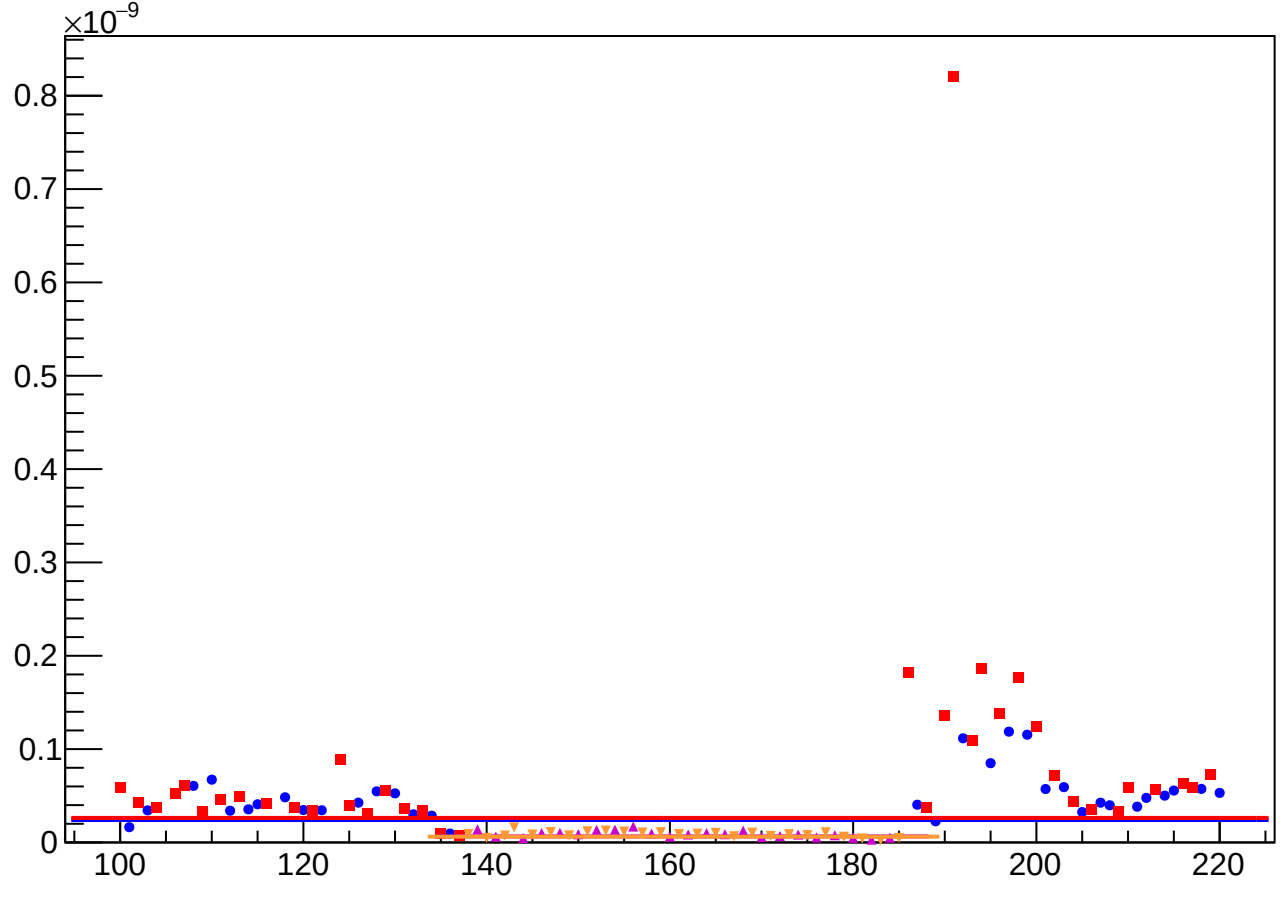
Right: -0.000+/-0.000 χ^2/NDF: 73.2/69

In: -0.000+/-0.000 χ^2/NDF:44.7/55

Out: -0.000+/-0.000 χ^2/NDF:82.7/61

All: -0.000+/-0.000 χ^2/NDF: 127.9/117

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9334034.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11712452.7/36

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

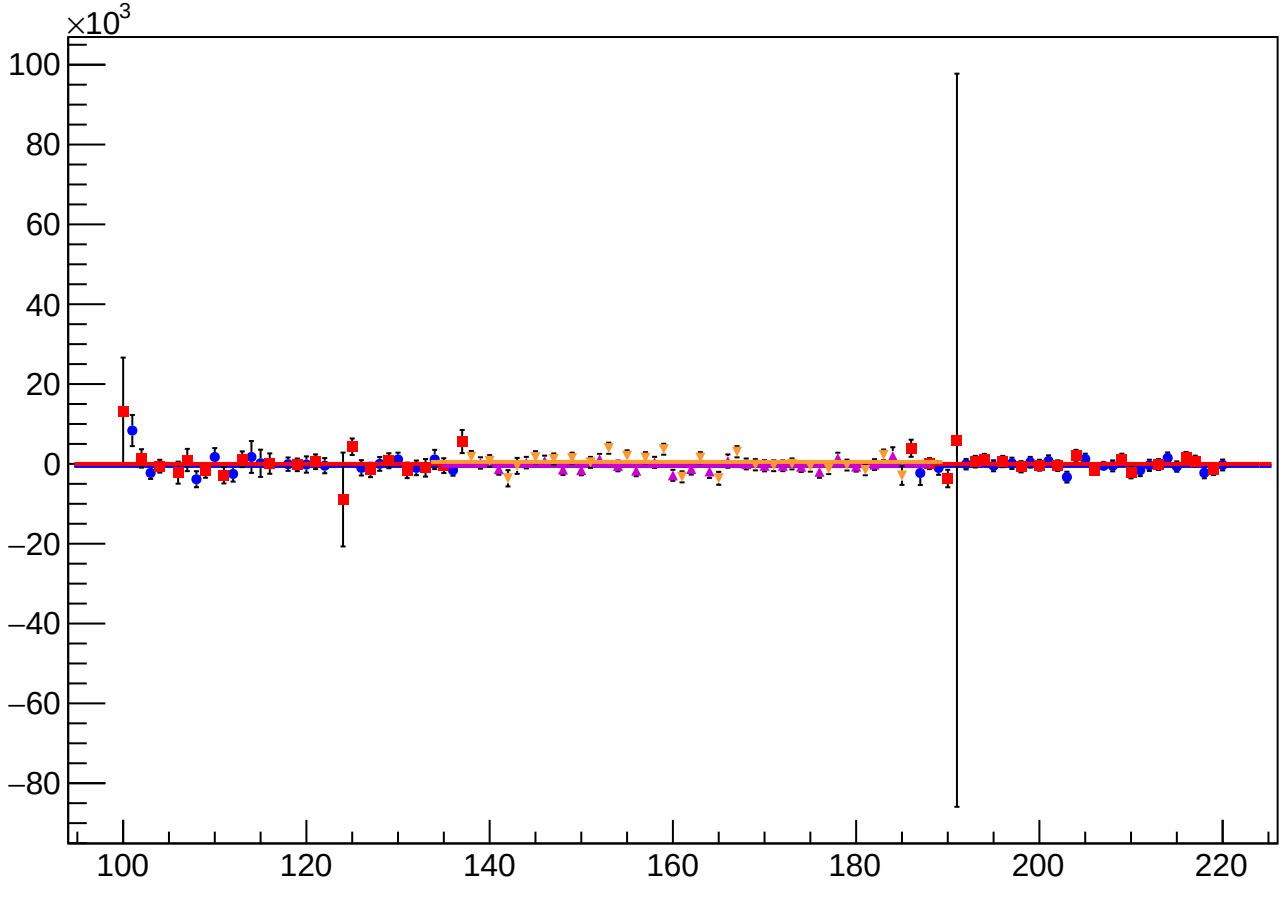
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 21107192.4/69

In: 0.000+/-0.000 χ^2/NDF:21186563.4/55

Out: 0.000+/-0.000 χ^2/NDF:25199543.3/61

All: 0.000+/-0.000 χ^2/NDF: 46432495.9/117



Right In: -508.315+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -10.411+/-281.970 χ^2/NDF: 33.5/36

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

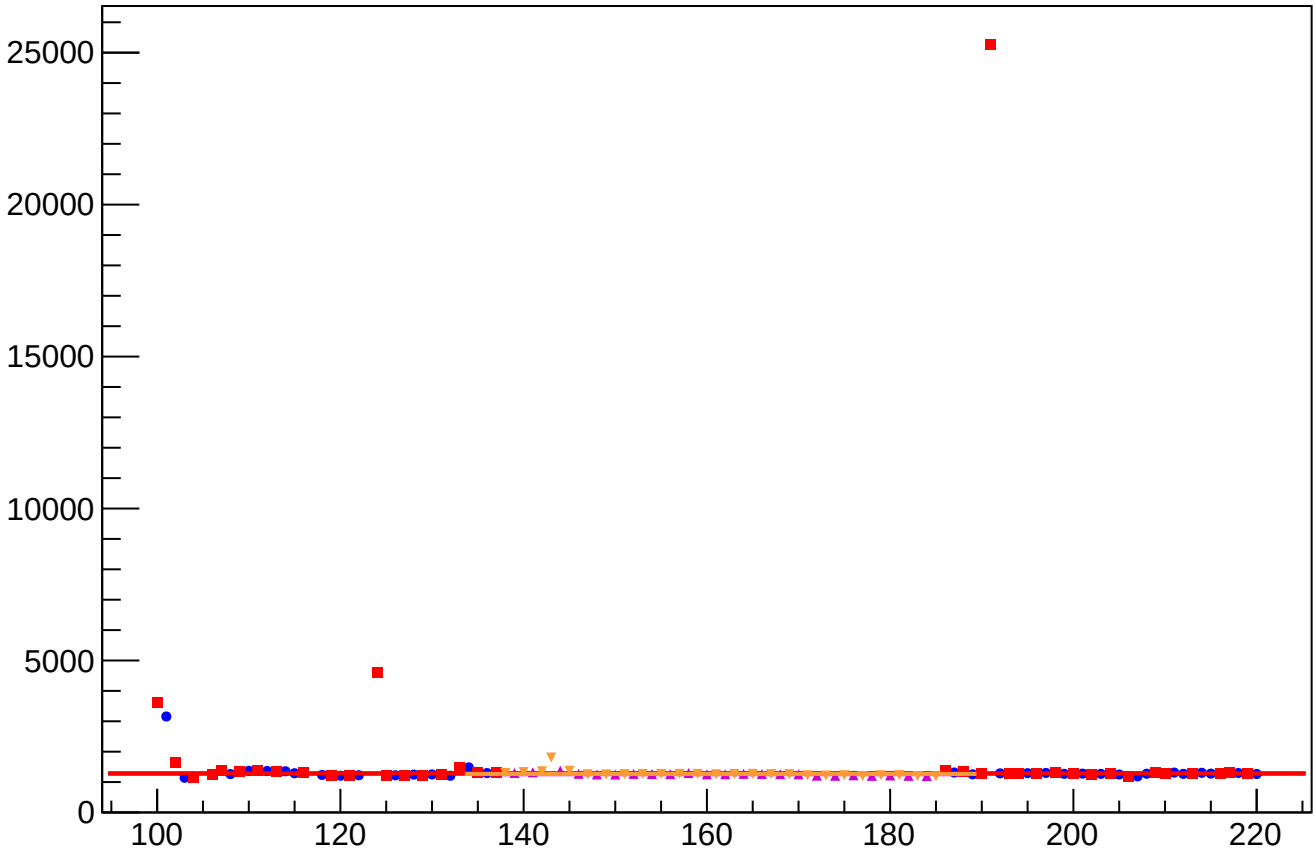
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -260.642+/-198.870 χ^2/NDF: 61.3/69

In: -498.063+/-202.881 χ^2/NDF:40.6/55

Out: 235.079+/-201.650 χ^2/NDF:81.9/61

All: -129.261+/-143.022 χ^2/NDF: 129.1/117



Right In: 1278.918+/-0.198 χ^2/NDF: 530826.5/32

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

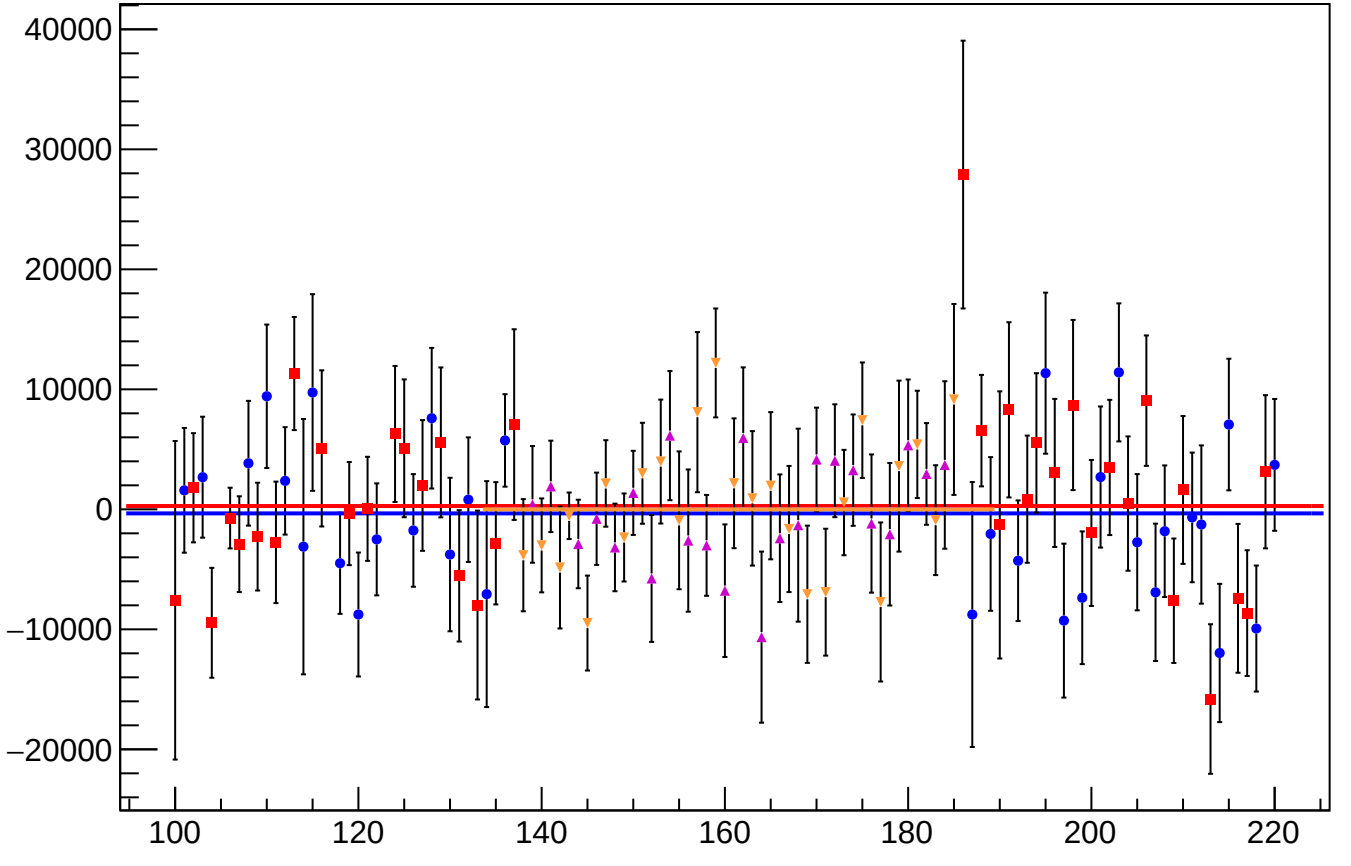
Right: 1283.684+/-0.141 χ^2/NDF: 1015560.7/69

In: 1268.727+/-0.143 χ^2/NDF:573176.5/55

Out: 1277.985+/-0.143 χ^2/NDF:676818.5/61

All: 1273.386+/-0.101 χ^2/NDF: 1252091.1/11

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -338.252+/-969.086 χ^2/NDF: 38.5/32

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

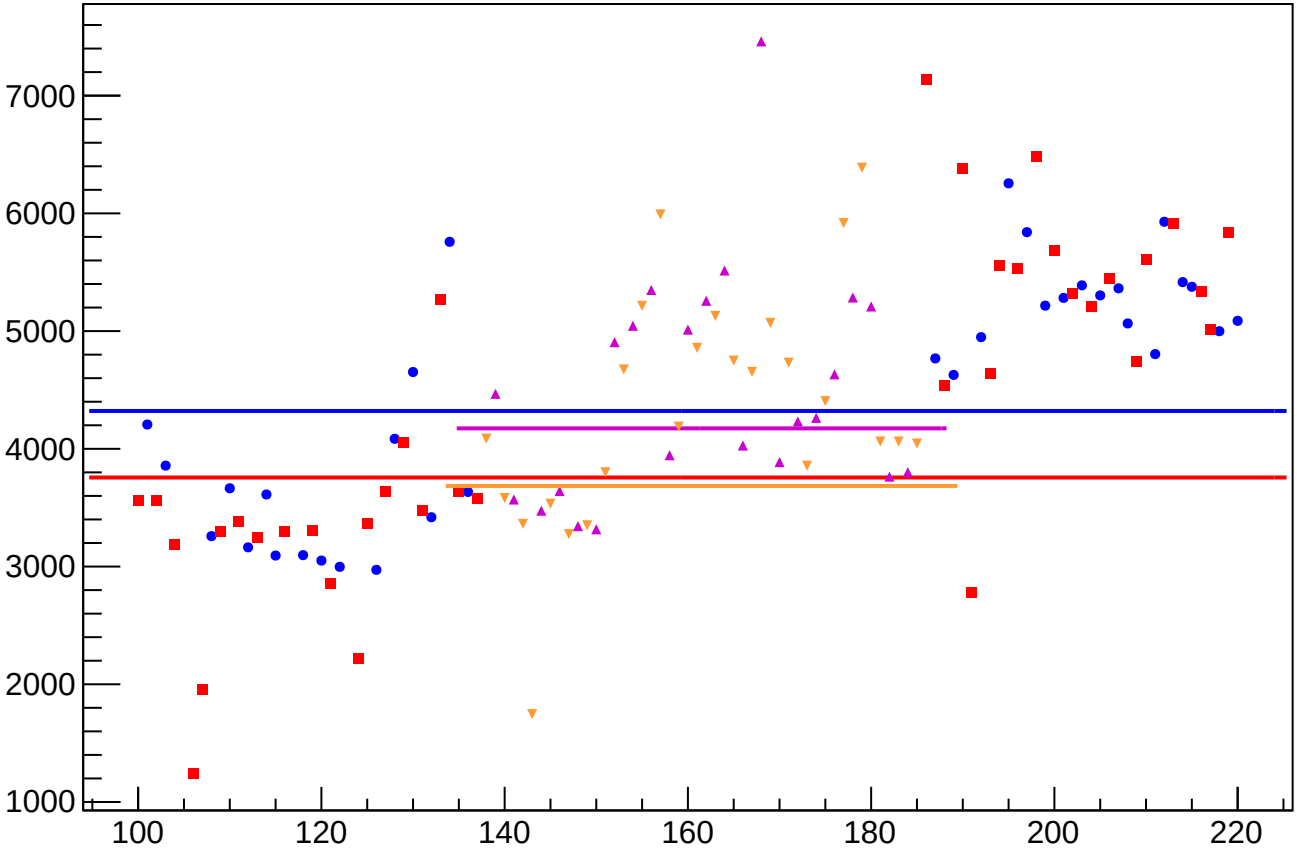
Right: -1.169+/-649.845 χ^2/NDF: 85.6/69

In: -158.273+/-694.346 χ^2/NDF:52.6/55

Out: 138.465+/-623.096 χ^2/NDF:75.9/61

All: 6.097+/-463.746 χ^2/NDF: 128.7/117

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 4321.635+/-0.685 χ^2/NDF: 2116489.4/32

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

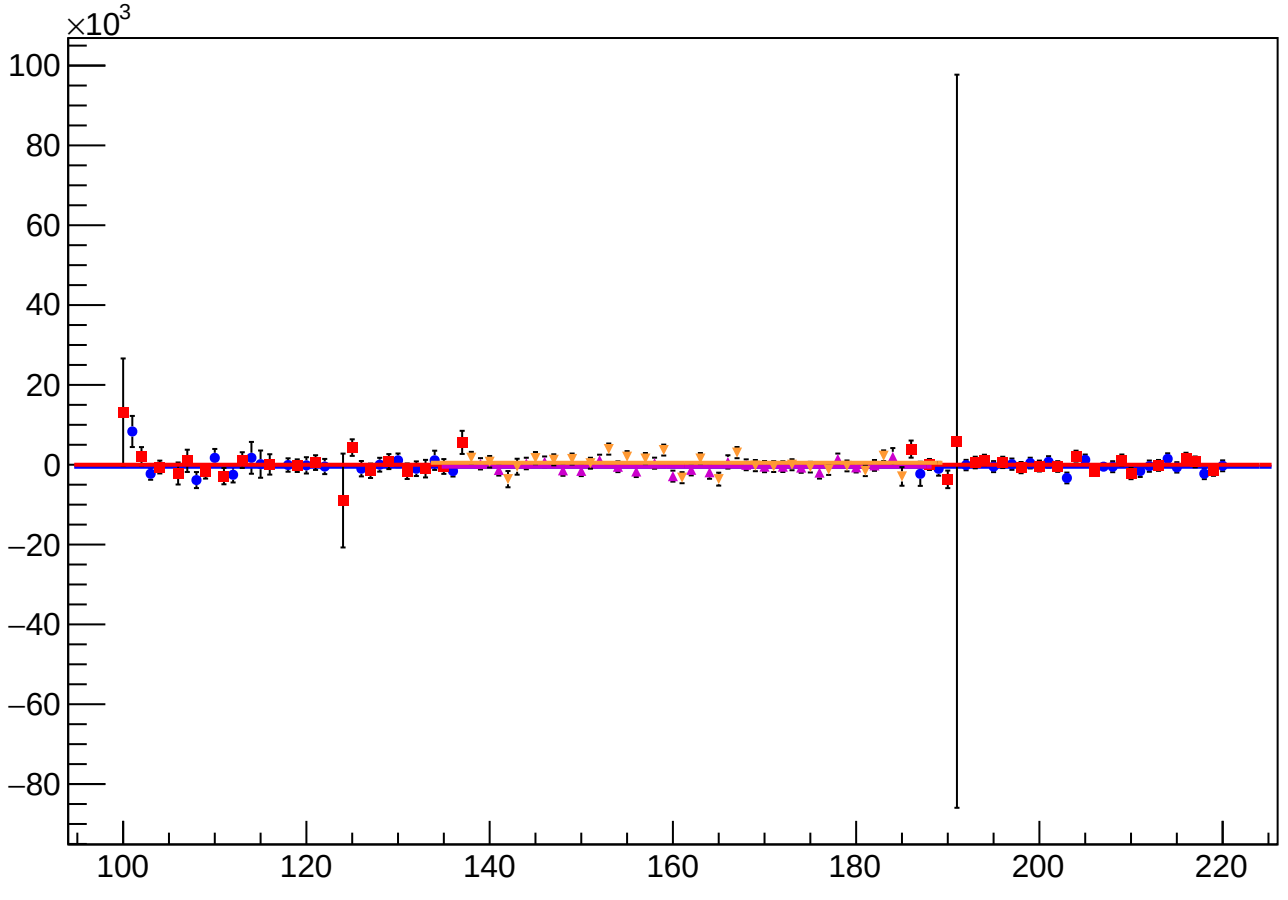
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 4010.590+/-0.460 χ^2/NDF: 8058760.1/69

In: 4249.575+/-0.491 χ^2/NDF:3414182.1/55

Out: 3721.030+/-0.441 χ^2/NDF:9268137.7/61

All: 3956.801+/-0.328 χ^2/NDF: 13324256.2/1



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

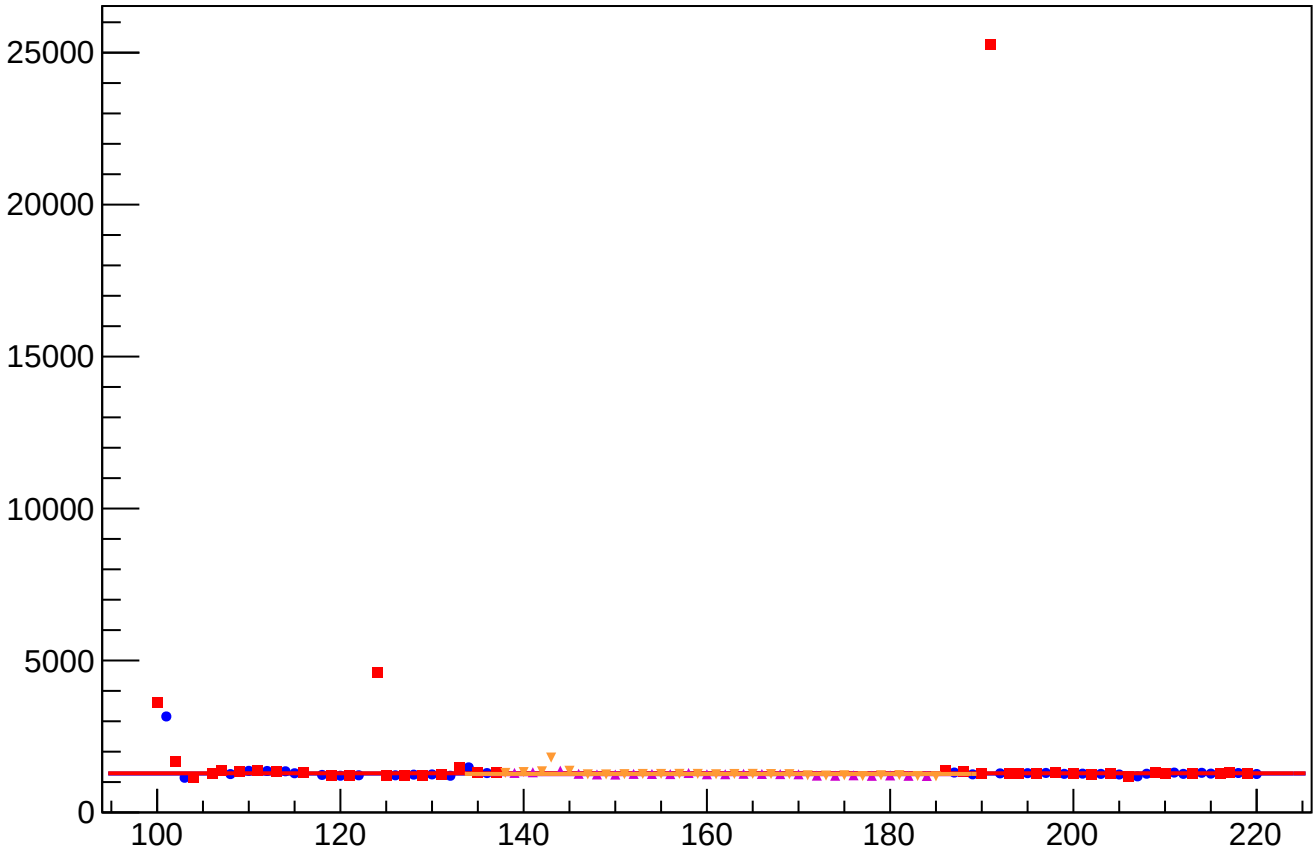
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.941+/-198.892 χ^2/NDF: 61.8/69

In: -498.080+/-202.881 χ^2/NDF:40.6/55

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -126.786+/-143.030 χ^2/NDF: 129.6/117



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

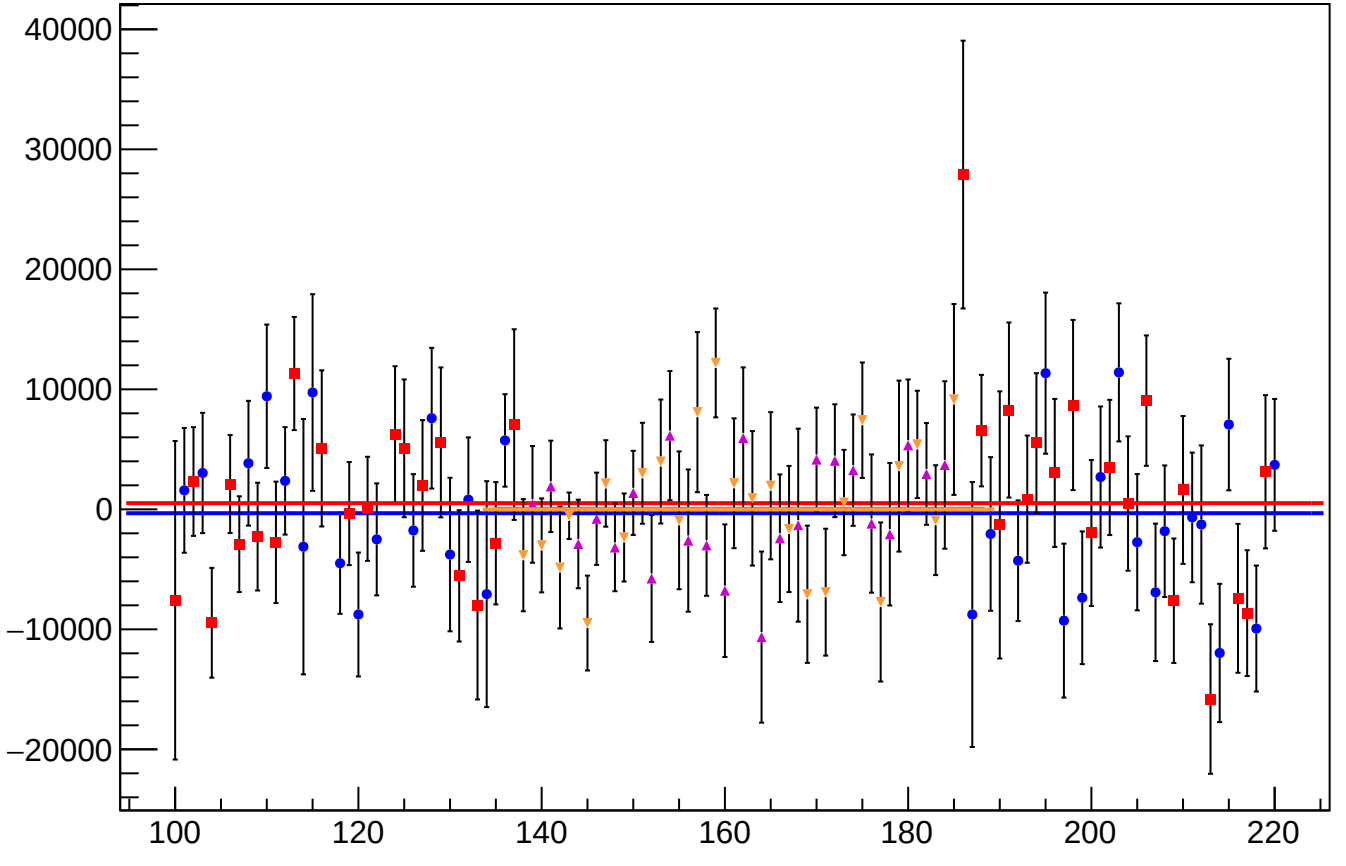
Right: 1284.015+/-0.141 χ^2/NDF: 1022630.5/69

In: 1268.727+/-0.143 χ^2/NDF:573177.9/55

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

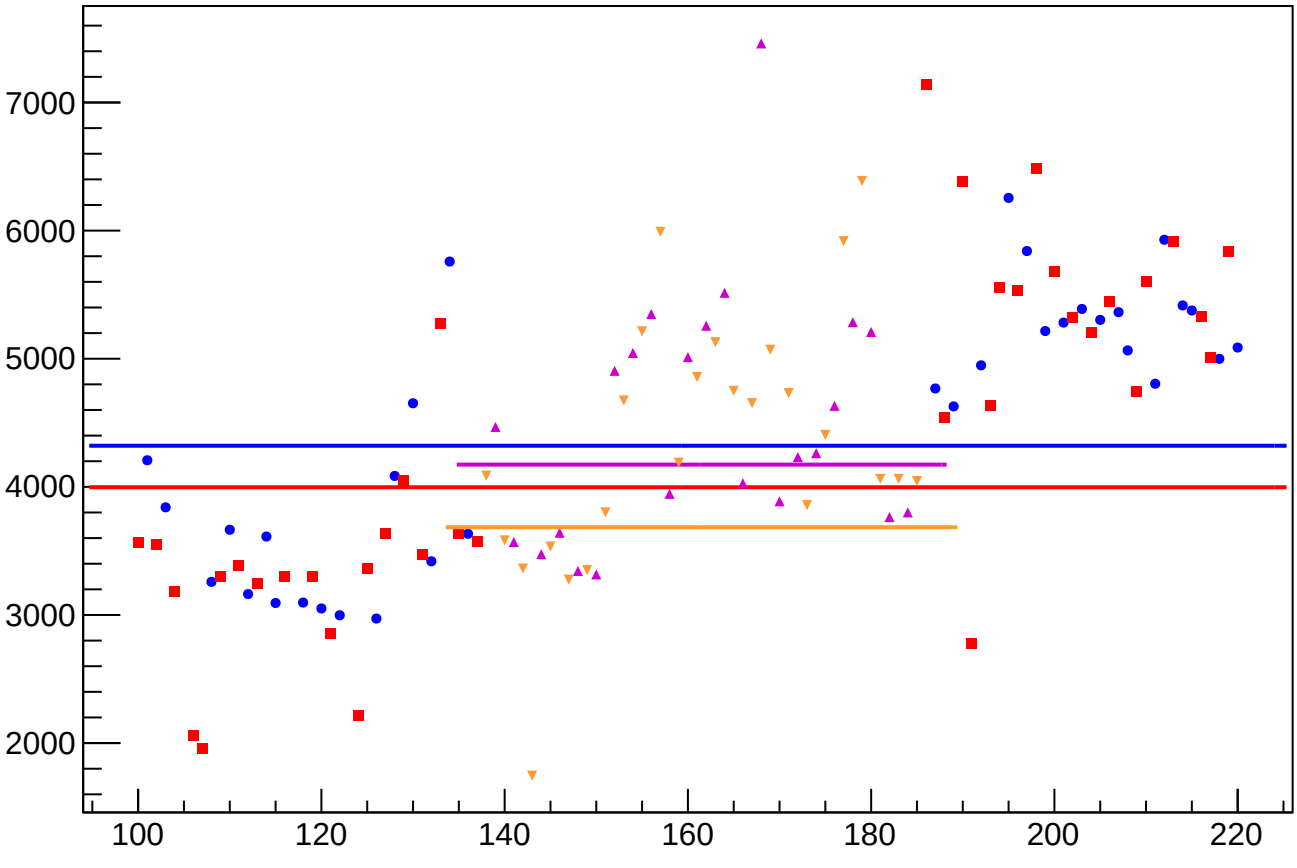
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 122.092+/-663.331 χ^2/NDF: 85.9/69

In: -151.021+/-694.280 χ^2/NDF:52.7/55

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: 67.774+/-468.573 χ^2/NDF: 129.0/117



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

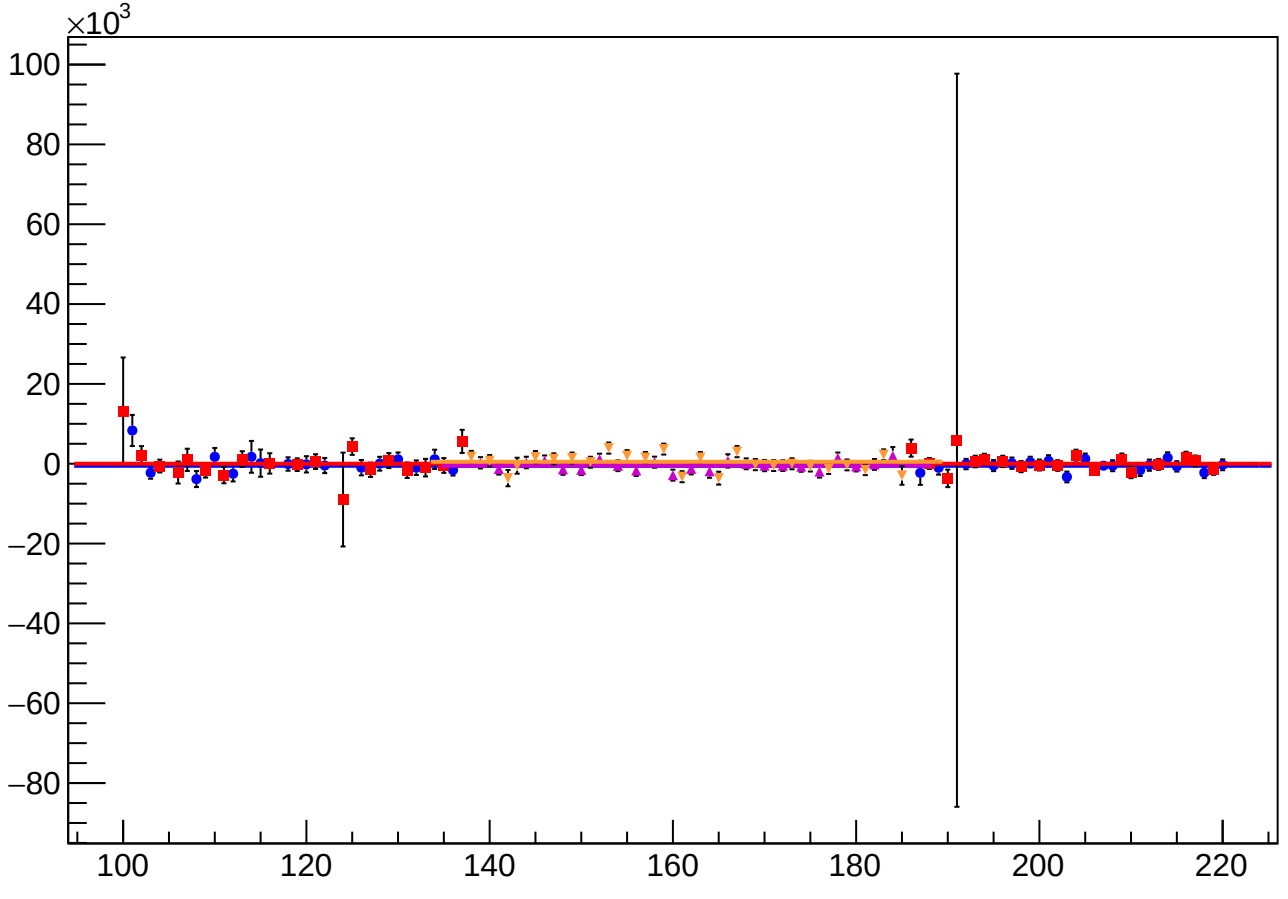
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4148.719+/-0.469 χ^2/NDF: 6033980.2/69

In: 4249.180+/-0.491 χ^2/NDF:3415410.3/55

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

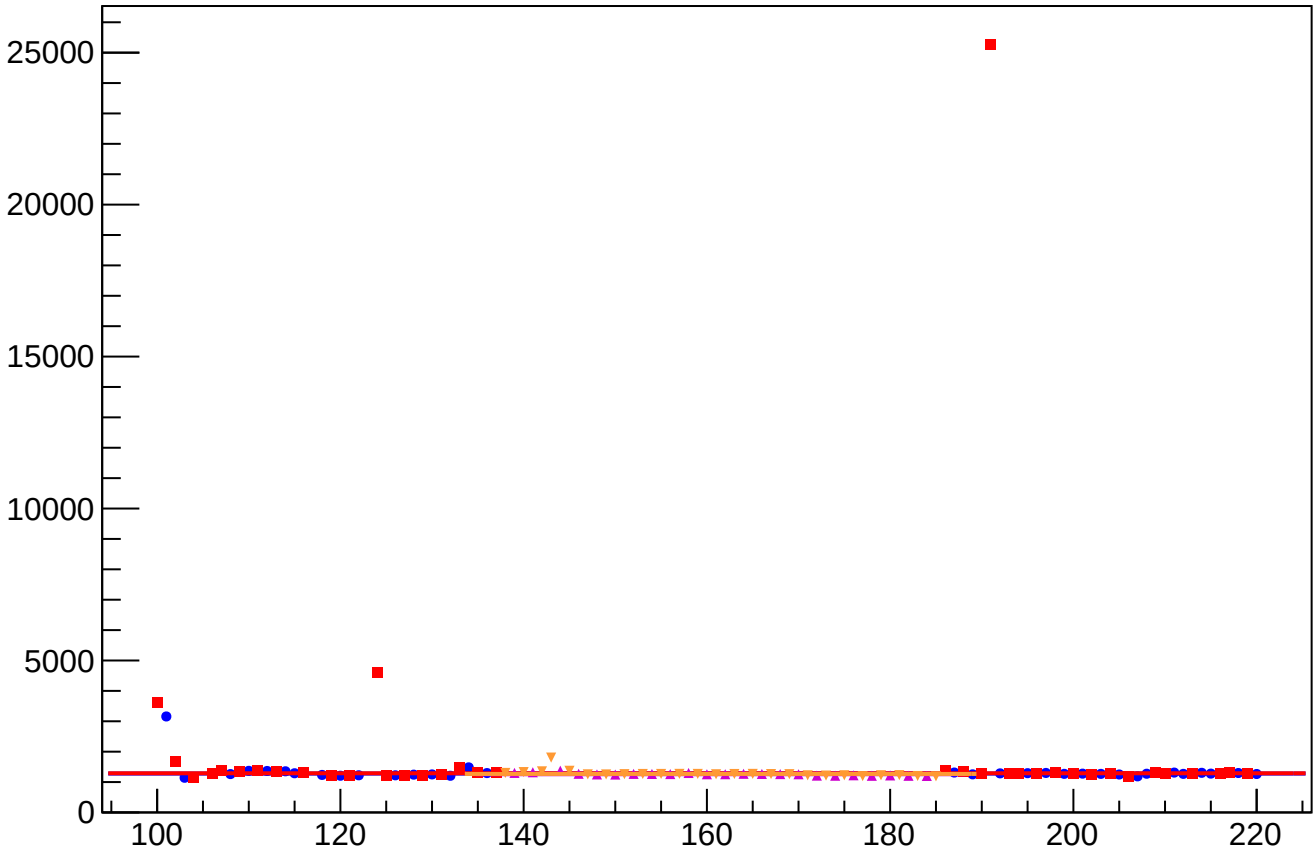
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.941+/-198.892 χ^2/NDF: 61.8/69

In: -498.080+/-202.881 χ^2/NDF:40.6/55

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -126.786+/-143.030 χ^2/NDF: 129.6/117



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

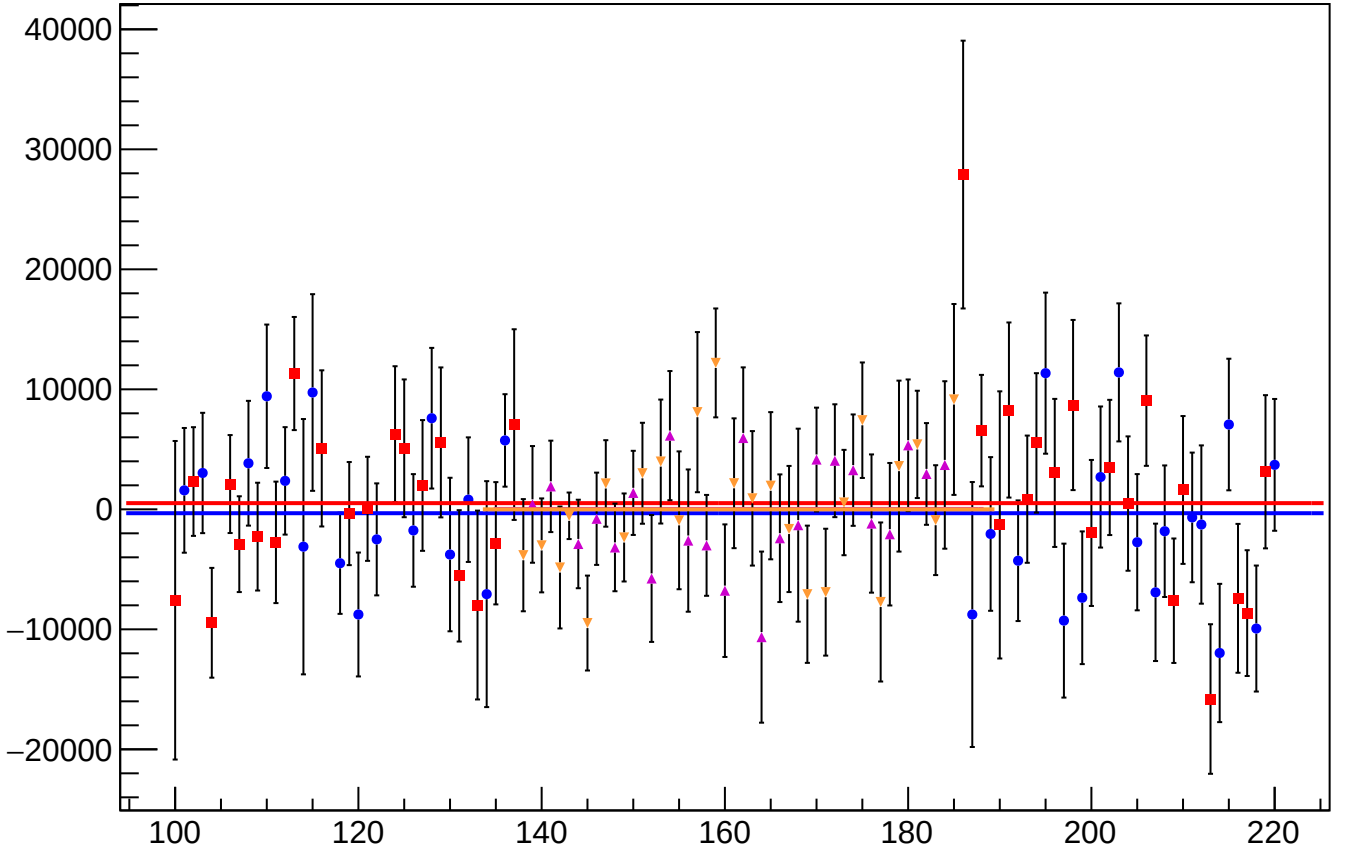
Right: 1284.015+/-0.141 χ^2/NDF: 1022630.5/69

In: 1268.727+/-0.143 χ^2/NDF:573177.9/55

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

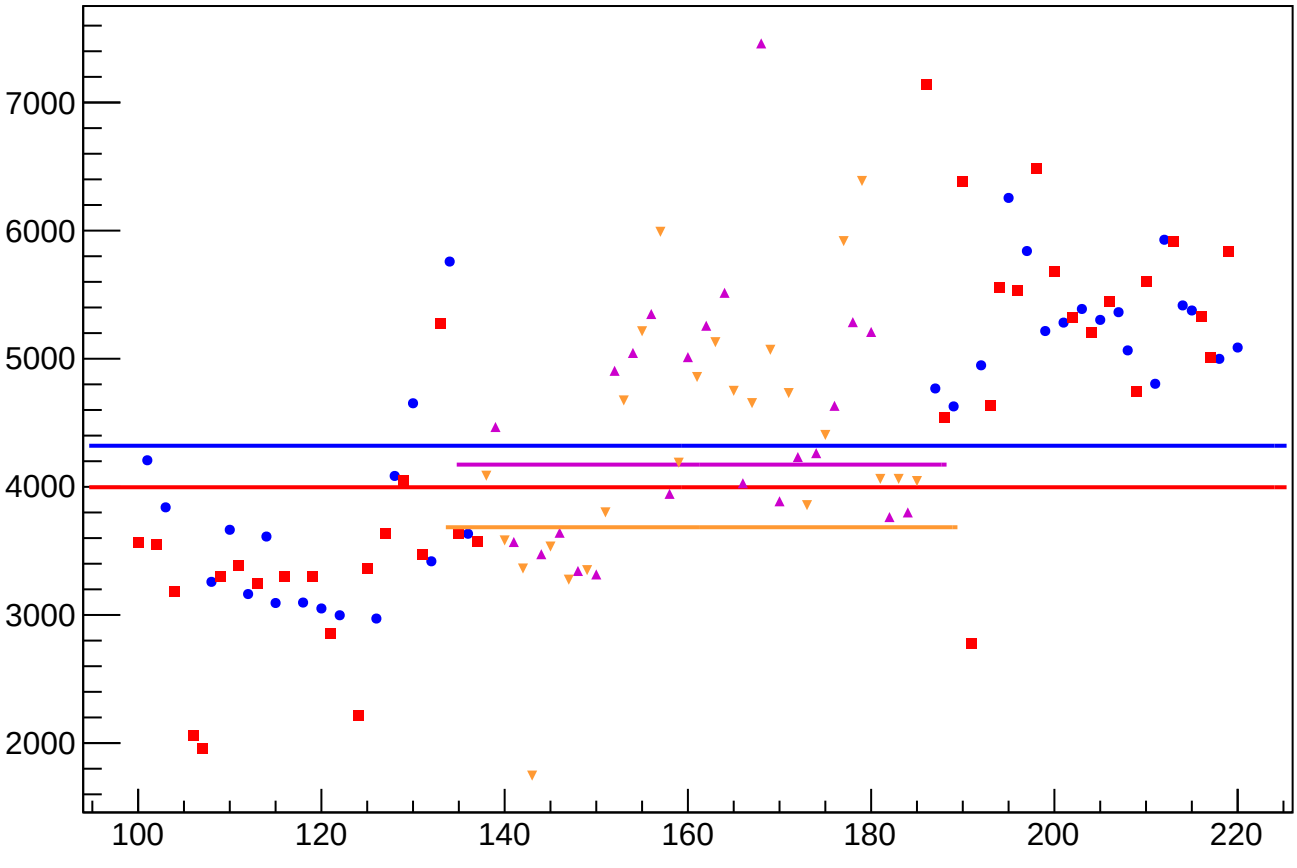
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 122.092+/-663.331 χ^2/NDF: 85.9/69

In: -151.021+/-694.280 χ^2/NDF:52.7/55

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: 67.774+/-468.573 χ^2/NDF: 129.0/117



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

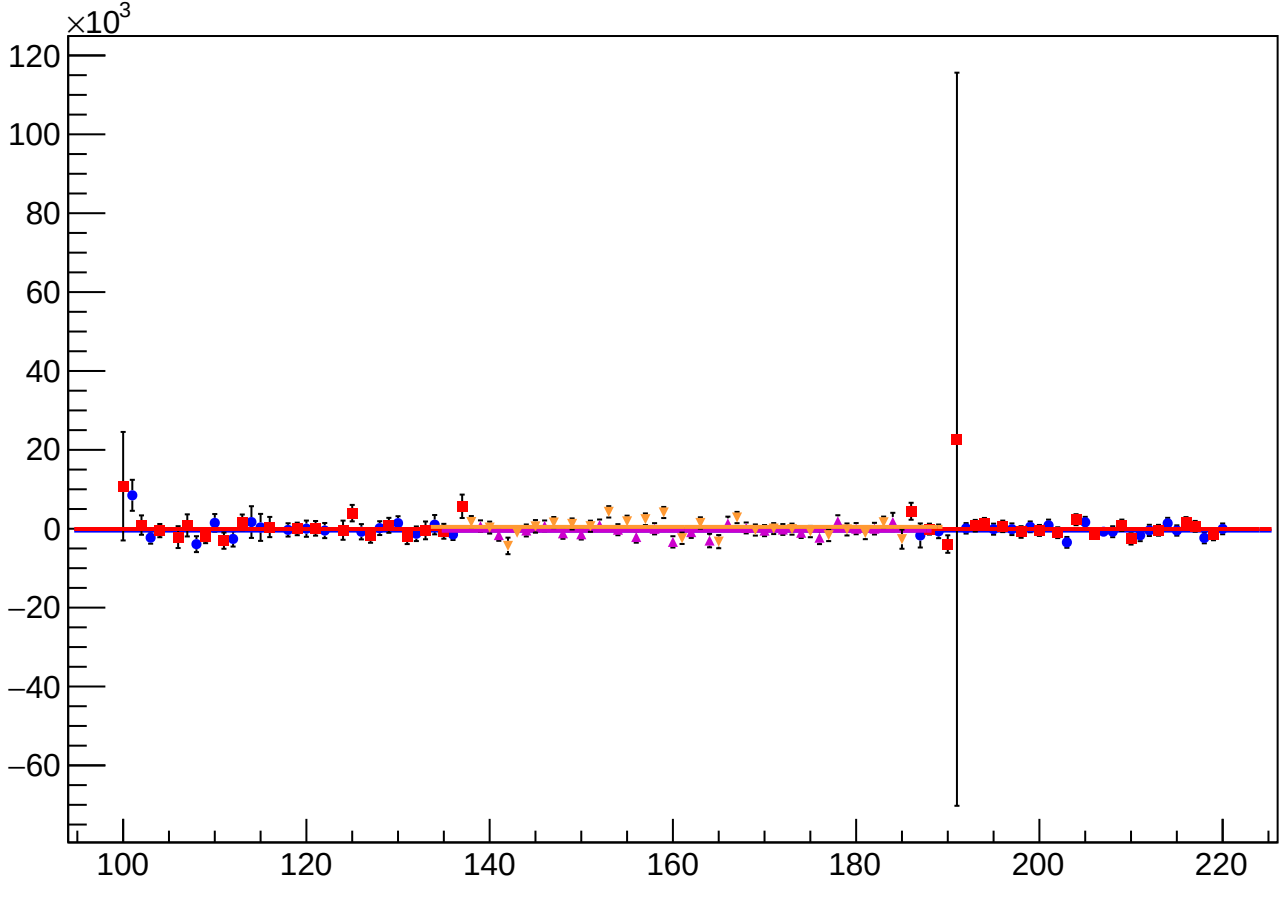
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4148.719+/-0.469 χ^2/NDF: 6033980.2/69

In: 4249.180+/-0.491 χ^2/NDF:3415410.3/55

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1



Right In: -470.448+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

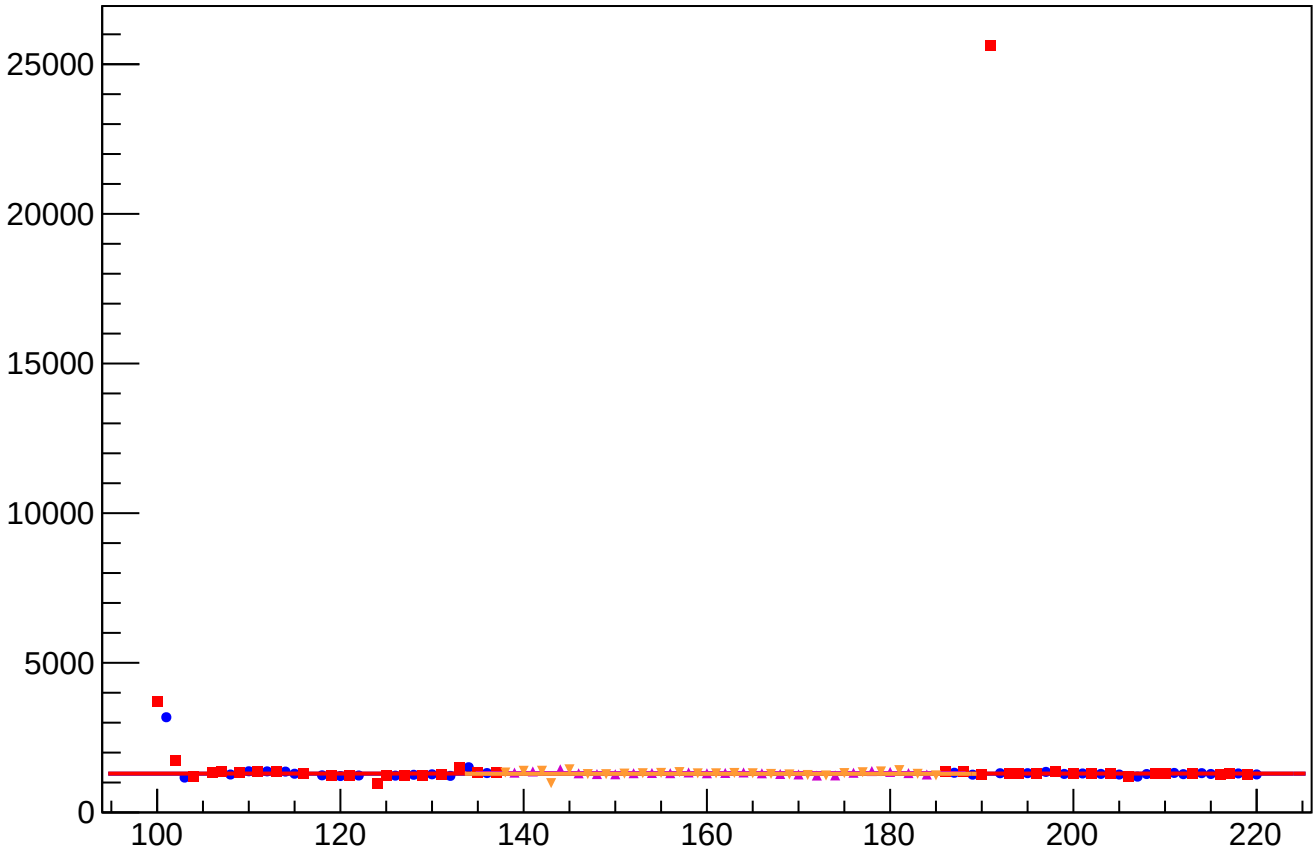
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -268.475+/-200.799 χ^2/NDF: 63.8/69

In: -485.707+/-208.446 χ^2/NDF:45.1/55

Out: 191.434+/-204.372 χ^2/NDF:81.0/61

All: -140.456+/-145.932 χ^2/NDF: 131.4/117



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.3/32

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

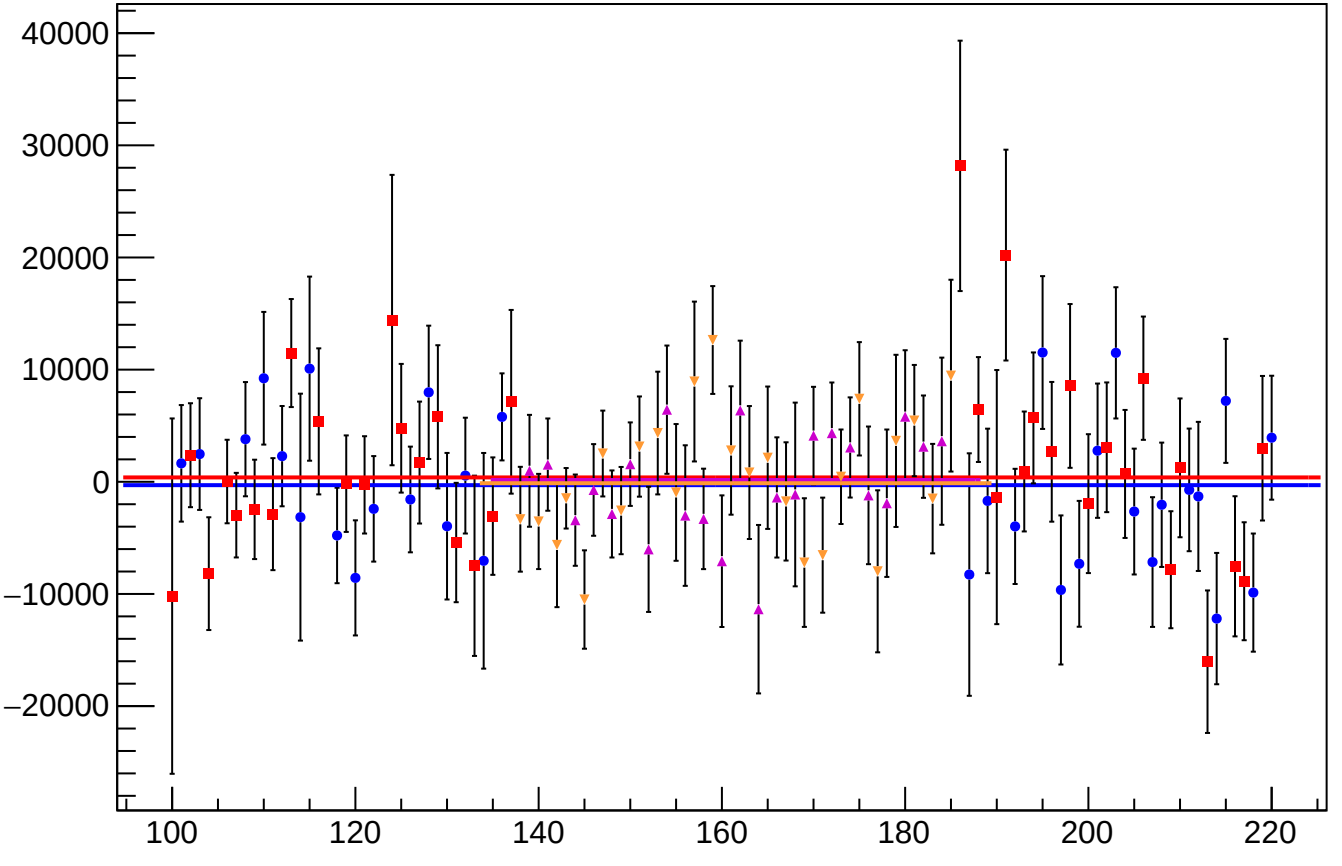
Right: 1296.826+/-0.142 χ^2/NDF: 910720.5/69

In: 1303.278+/-0.147 χ^2/NDF:578492.4/55

Out: 1295.527+/-0.144 χ^2/NDF:611000.4/61

All: 1299.325+/-0.103 χ^2/NDF: 1190902.9/11

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -299.963+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

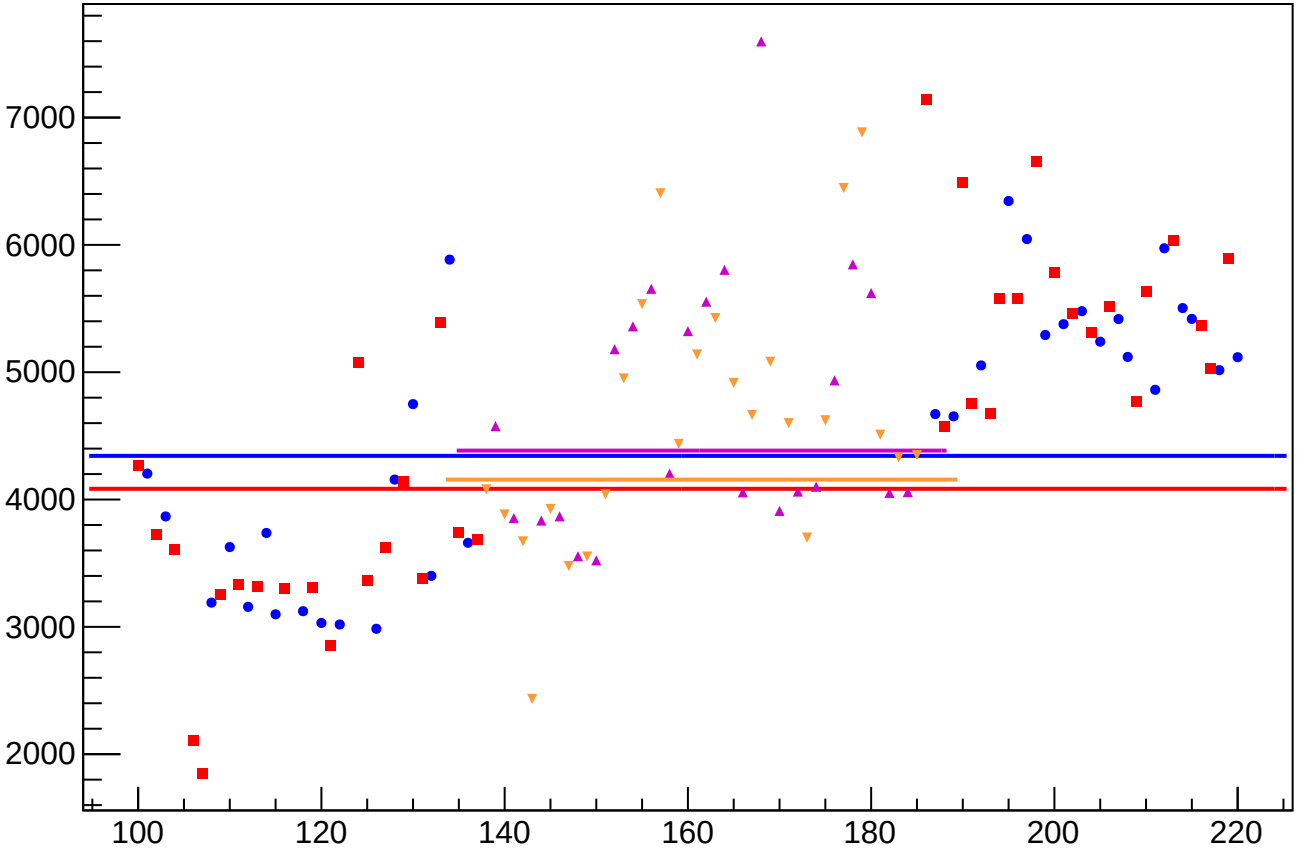
Right: 63.068+/-670.901 χ^2/NDF: 87.2/69

In: -86.297+/-713.006 χ^2/NDF:52.4/55

Out: 145.476+/-671.666 χ^2/NDF:77.2/61

All: 36.503+/-488.902 χ^2/NDF: 129.6/117

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4342.960+/-0.689 χ^2/NDF: 2219094.7/32

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

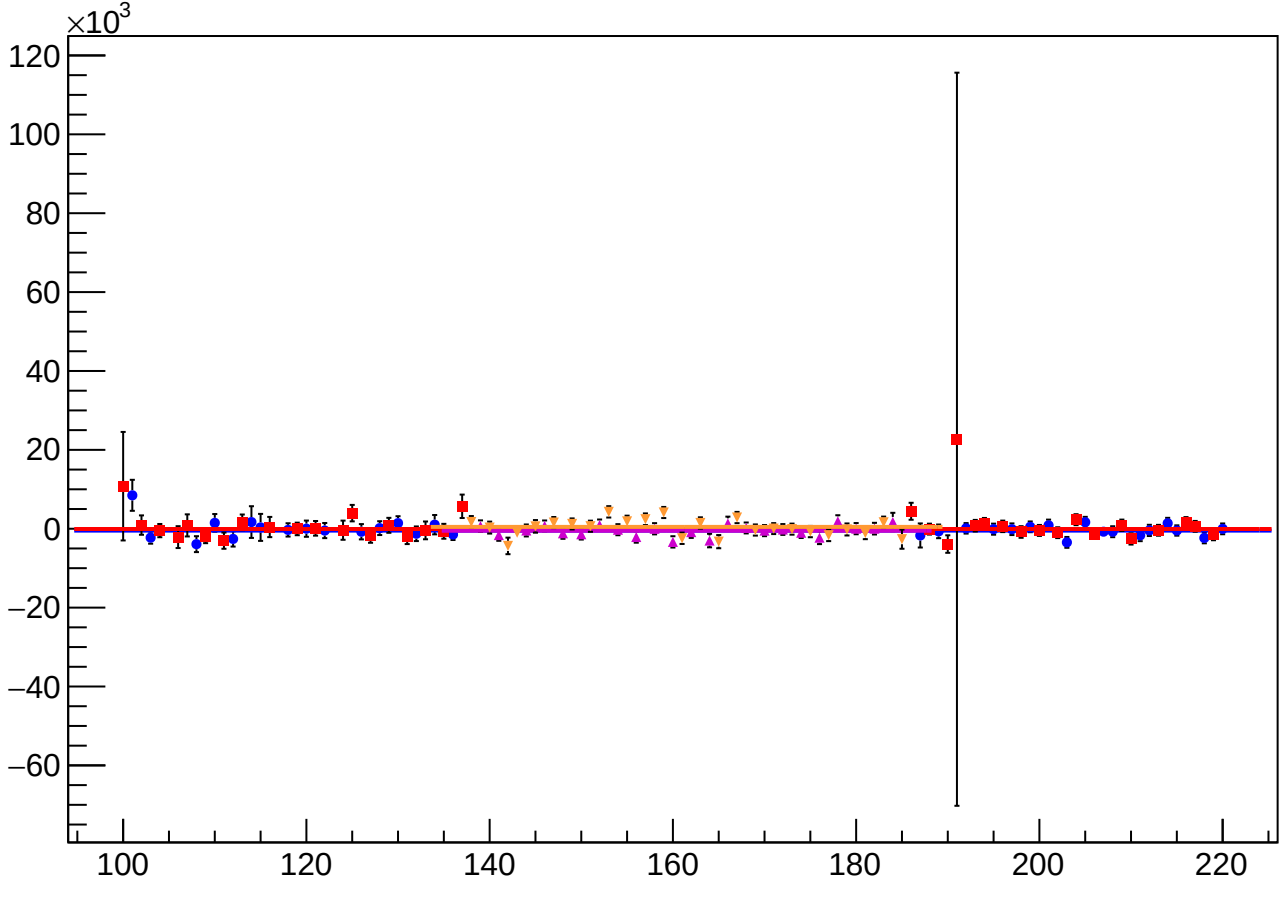
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4206.805+/-0.474 χ^2/NDF: 6107780.9/69

In: 4362.197+/-0.504 χ^2/NDF:3476240.0/55

Out: 4118.448+/-0.475 χ^2/NDF:5901113.1/61

All: 4233.052+/-0.346 χ^2/NDF: 9501193.8/11



Right In: -470.446+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

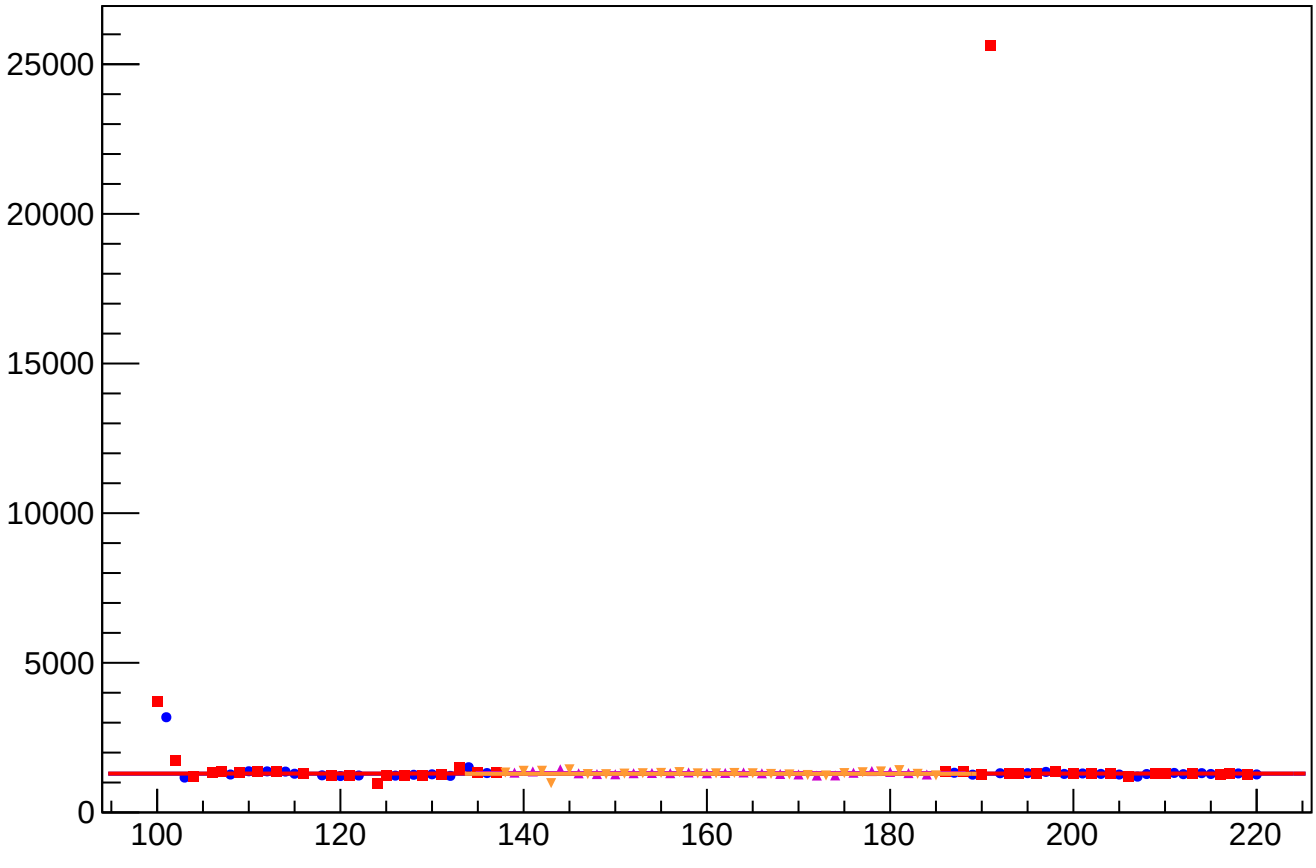
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -268.475+/-200.799 χ^2/NDF: 63.8/69

In: -485.706+/-208.446 χ^2/NDF:45.1/55

Out: 191.435+/-204.373 χ^2/NDF:81.0/61

All: -140.455+/-145.932 χ^2/NDF: 131.4/117



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.5/32

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

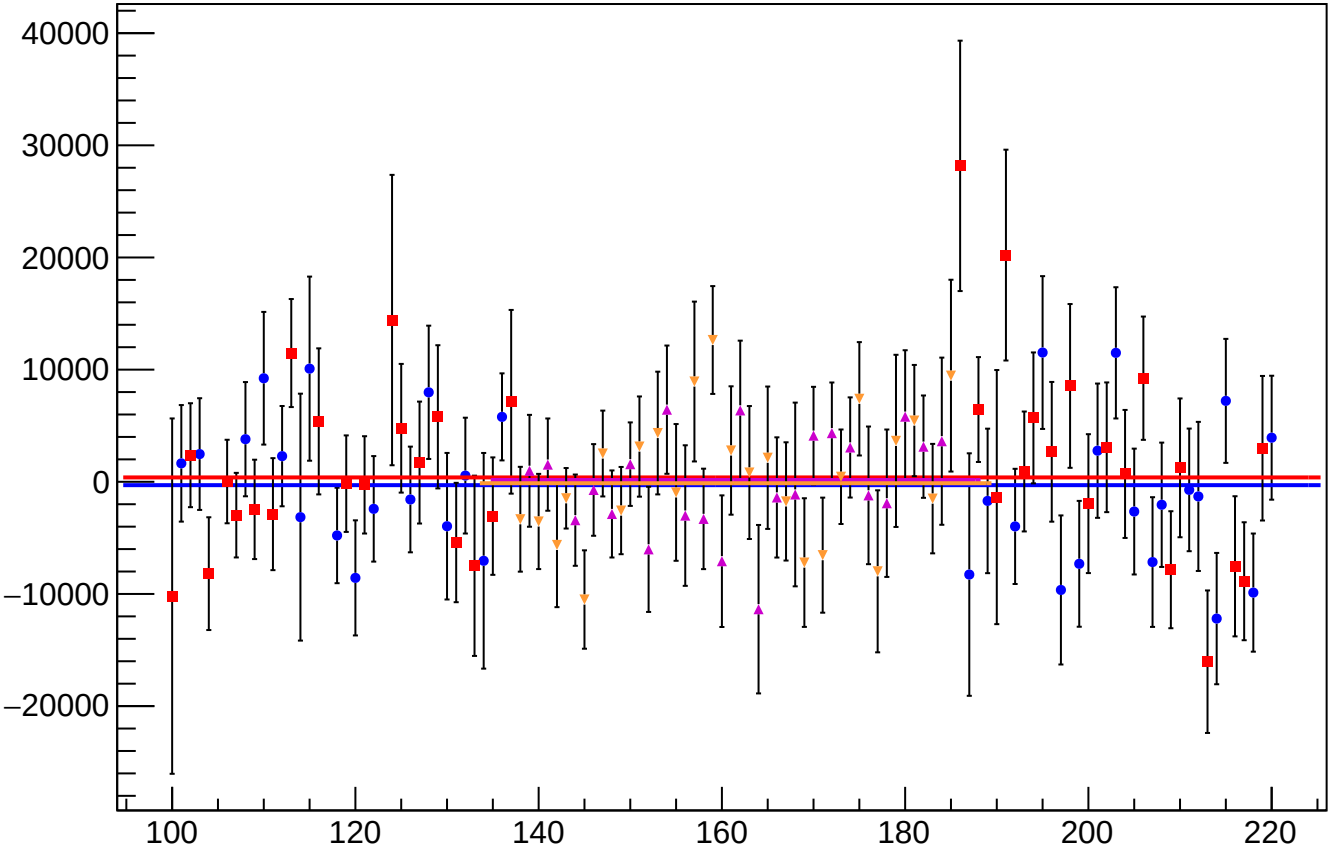
Right: 1296.826+/-0.142 χ^2/NDF: 910720.8/69

In: 1303.278+/-0.147 χ^2/NDF:578495.2/55

Out: 1295.527+/-0.144 χ^2/NDF:611002.7/61

All: 1299.326+/-0.103 χ^2/NDF: 1190908.0/11

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -299.966+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

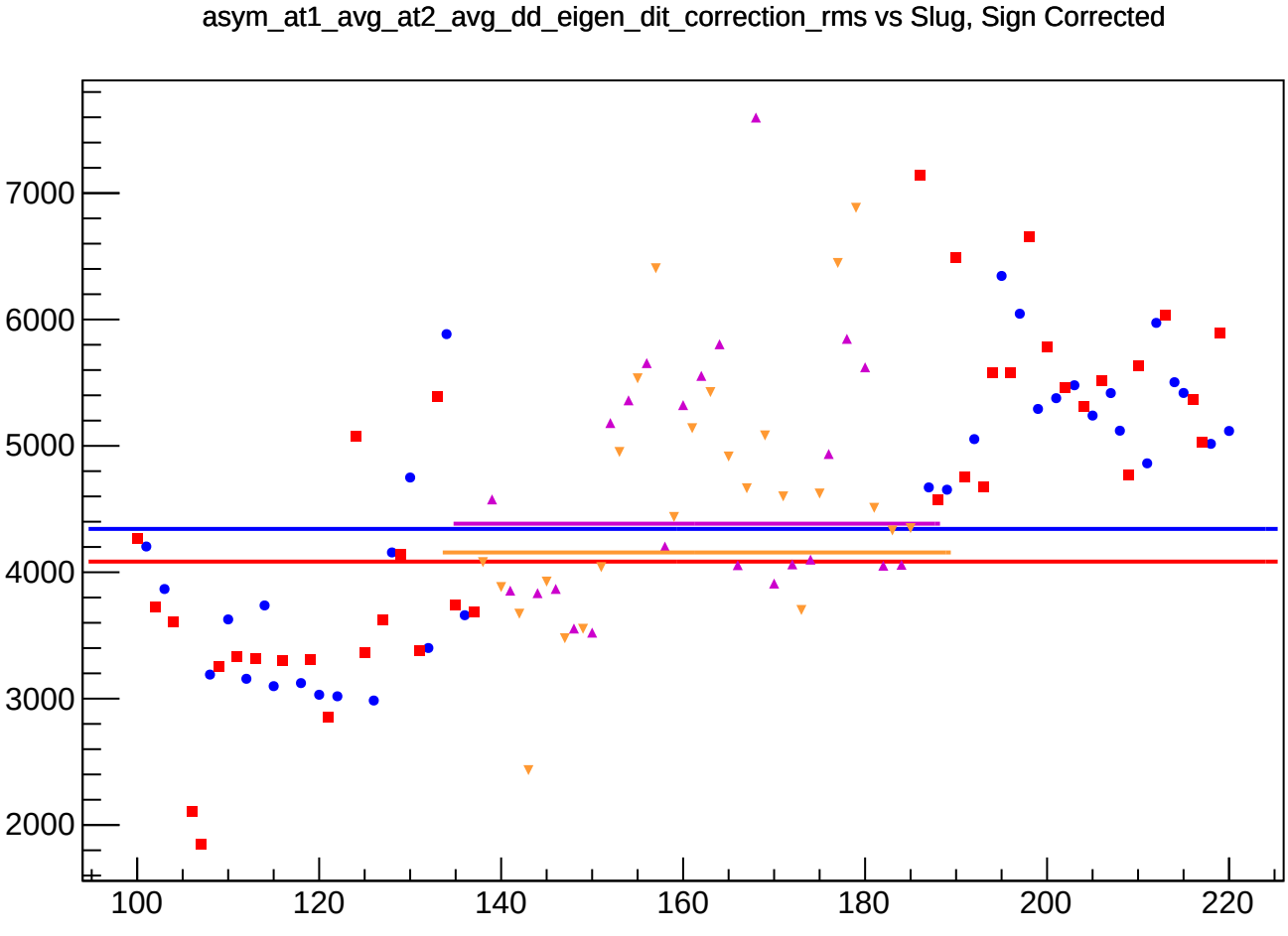
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 63.064+/-670.901 χ^2/NDF: 87.2/69

In: -86.298+/-713.007 χ^2/NDF:52.4/55

Out: 145.475+/-671.666 χ^2/NDF:77.2/61

All: 36.502+/-488.902 χ^2/NDF: 129.6/117



Right In: 4342.955+/-0.689 χ^2/NDF: 2219134.0/32

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

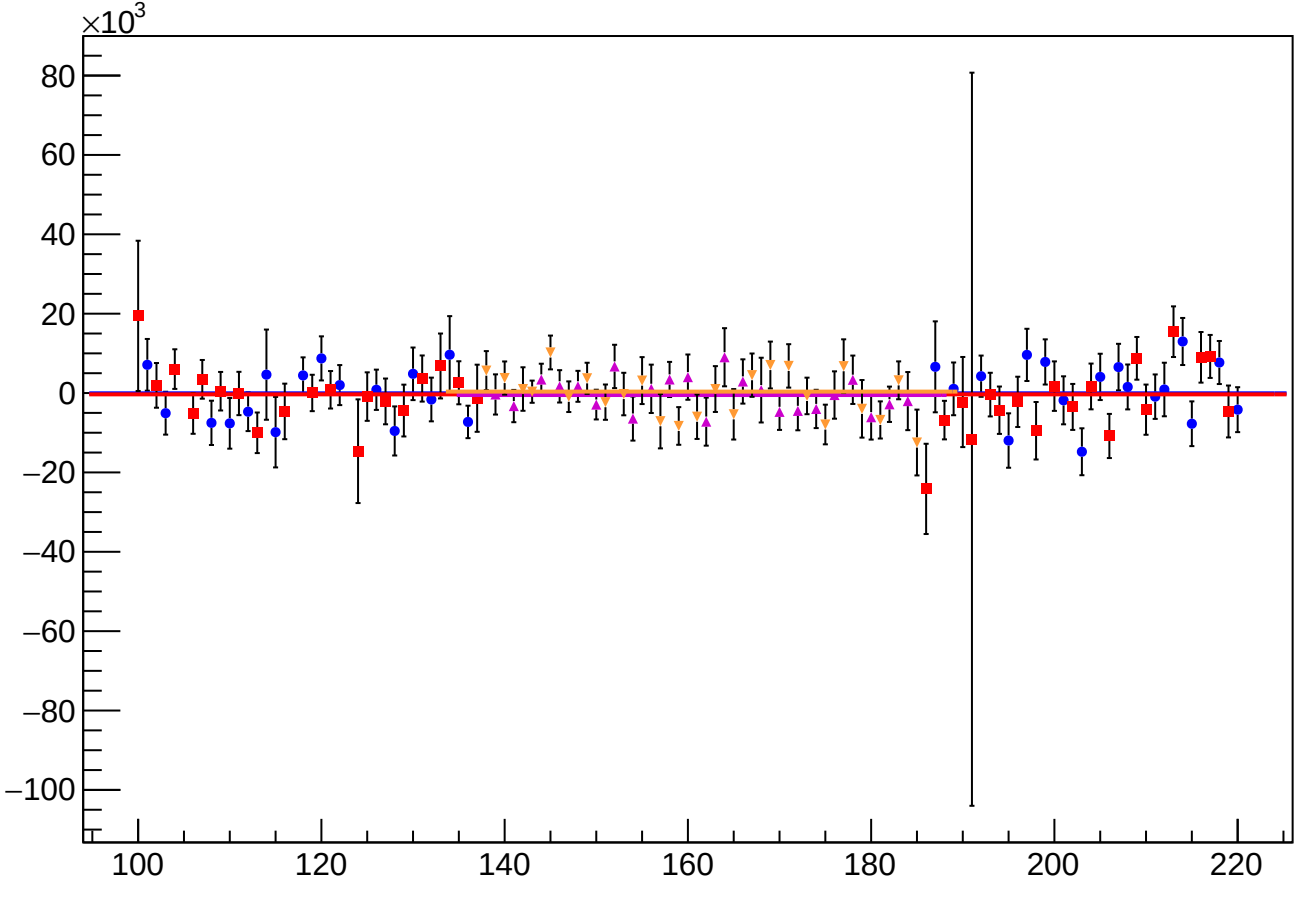
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4206.800+/-0.474 χ^2/NDF: 6107859.3/69

In: 4362.198+/-0.504 χ^2/NDF:3476284.4/55

Out: 4118.448+/-0.475 χ^2/NDF:5901156.3/61

All: 4233.052+/-0.346 χ^2/NDF: 9501282.0/11



Right In: -68.894+/-1023.233 χ^2/NDF: 44.0/32

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -330.825+/-996.314 χ^2/NDF: 39.1/36

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

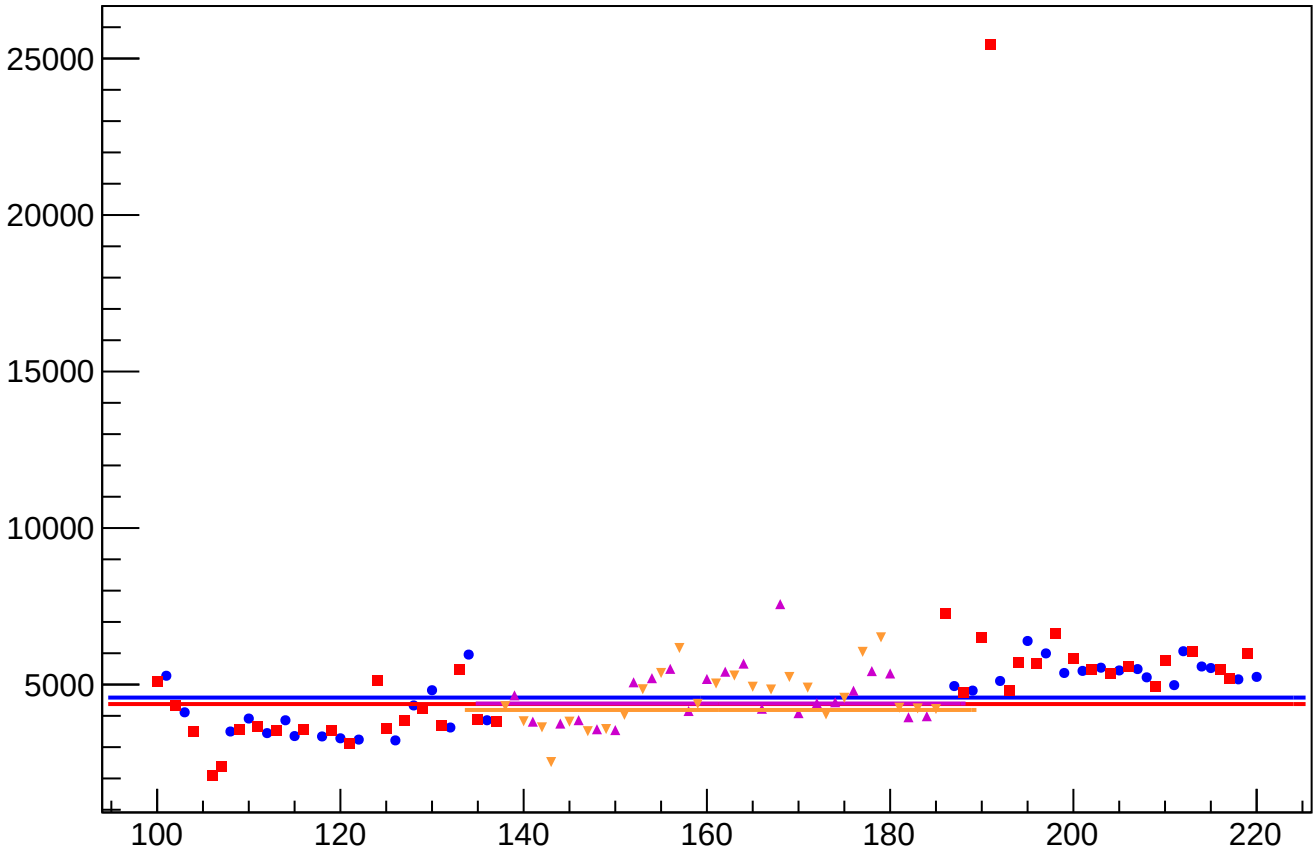
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -203.350+/-713.827 χ^2/NDF: 83.1/69

In: -278.757+/-731.009 χ^2/NDF:57.9/55

Out: 21.624+/-698.611 χ^2/NDF:67.0/61

All: -121.763+/-505.057 χ^2/NDF: 125.0/117



Right In: 4583.580+/-0.724 χ^2/NDF: 1778156.8/32

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4376.780+/-0.699 χ^2/NDF: 3014582.8/36

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

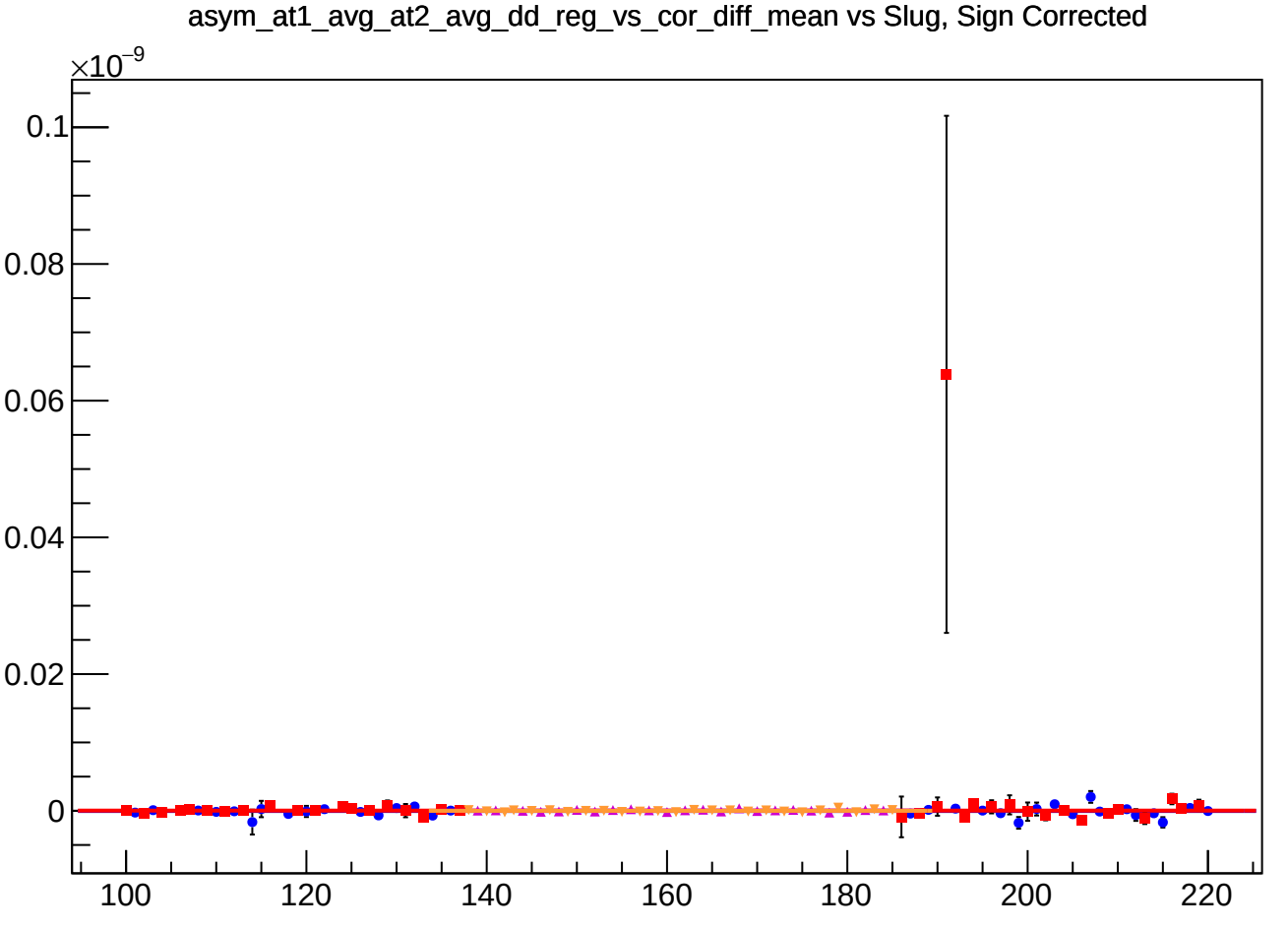
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4476.631+/-0.503 χ^2/NDF: 4834988.3/69

In: 4490.917+/-0.517 χ^2/NDF:2900051.2/55

Out: 4281.466+/-0.492 χ^2/NDF:4847772.7/61

All: 4381.052+/-0.356 χ^2/NDF: 7833949.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

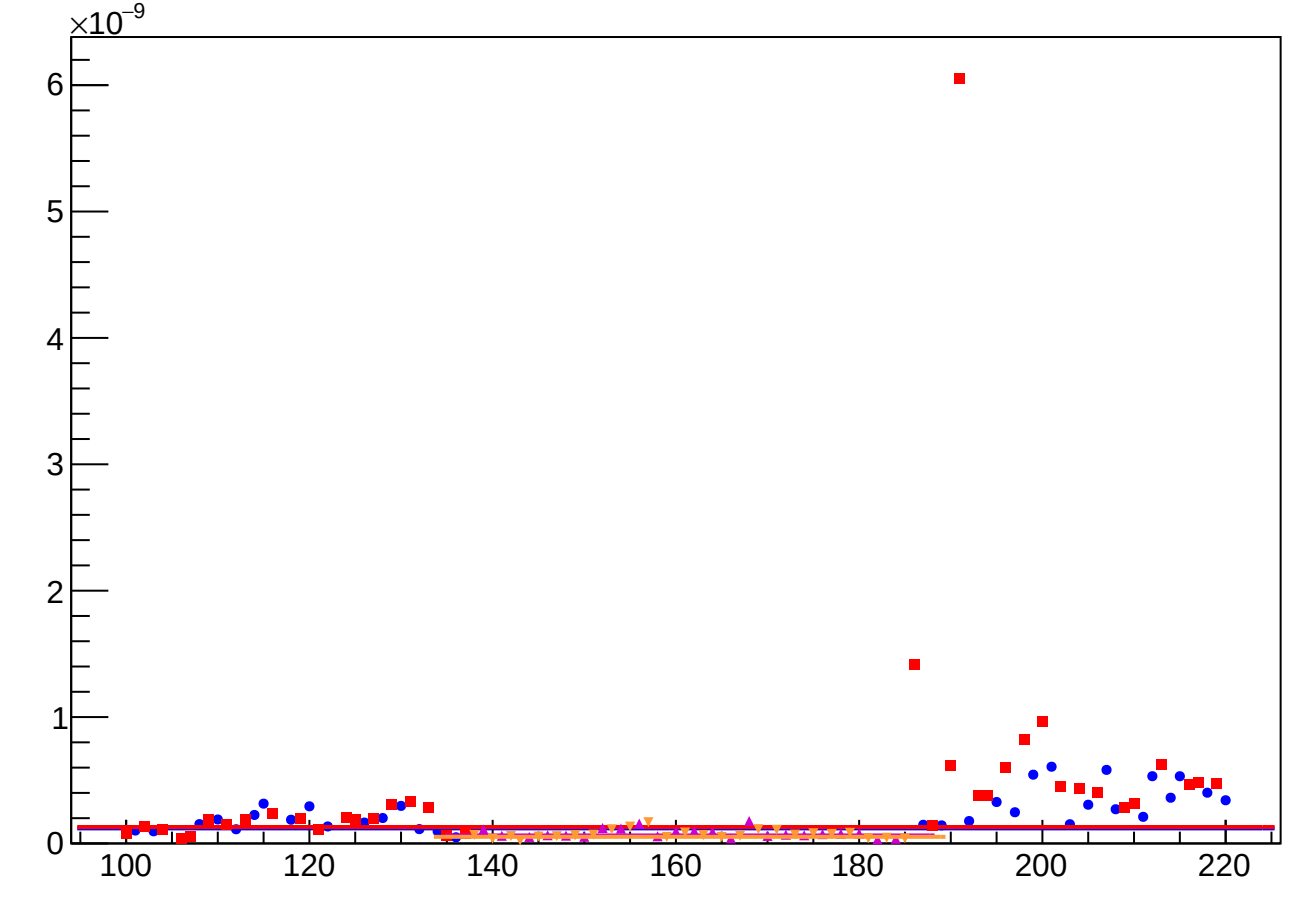
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 82.7/69

In: 0.000+/-0.000 χ^2/NDF:58.6/55

Out: -0.000+/-0.000 χ^2/NDF:72.1/61

All: 0.000+/-0.000 χ^2/NDF: 130.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 6570937.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8717055.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

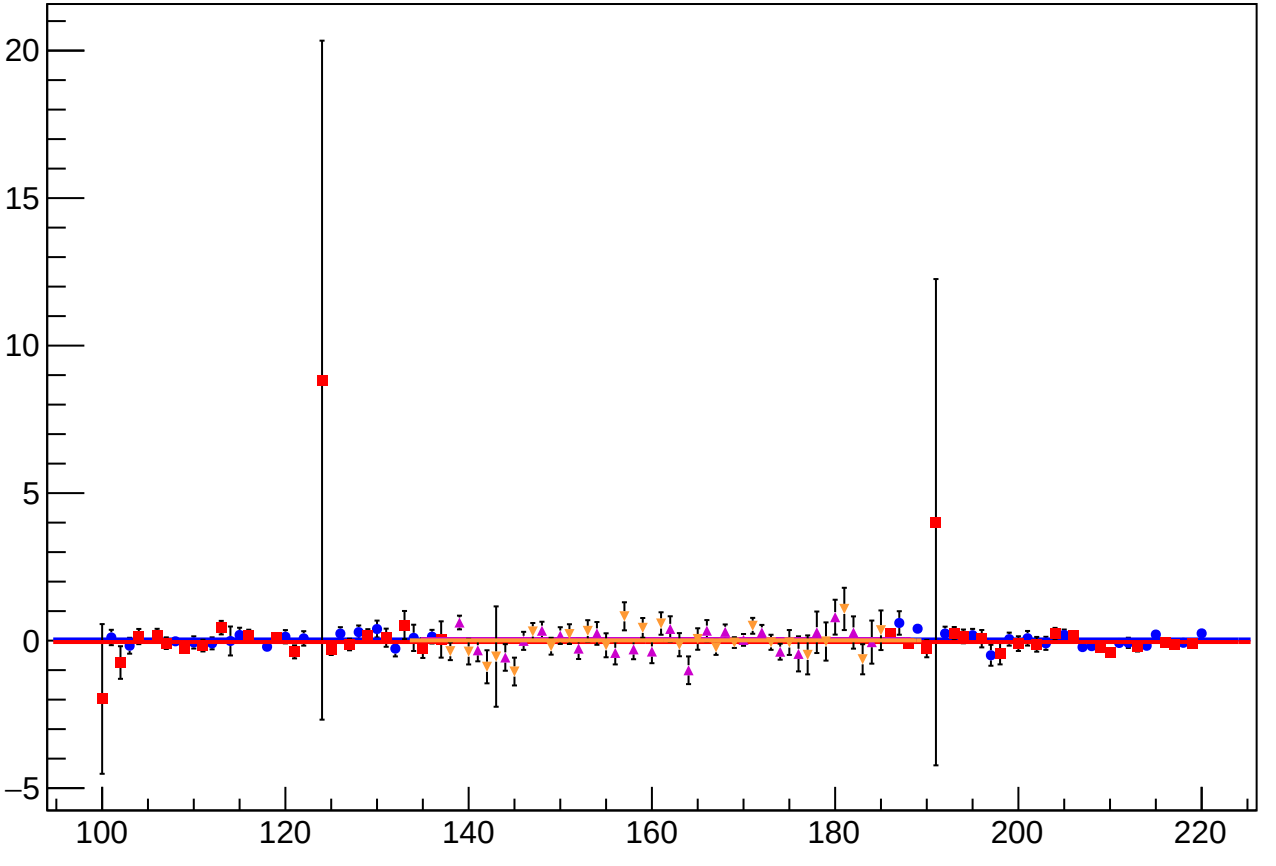
Right: 0.000+/-0.000 χ^2/NDF: 15325695.9/69

In: 0.000+/-0.000 χ^2/NDF:10097154.6/55

Out: 0.000+/-0.000 χ^2/NDF:14361819.7/61

All: 0.000+/-0.000 χ^2/NDF: 24748481.2/117

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

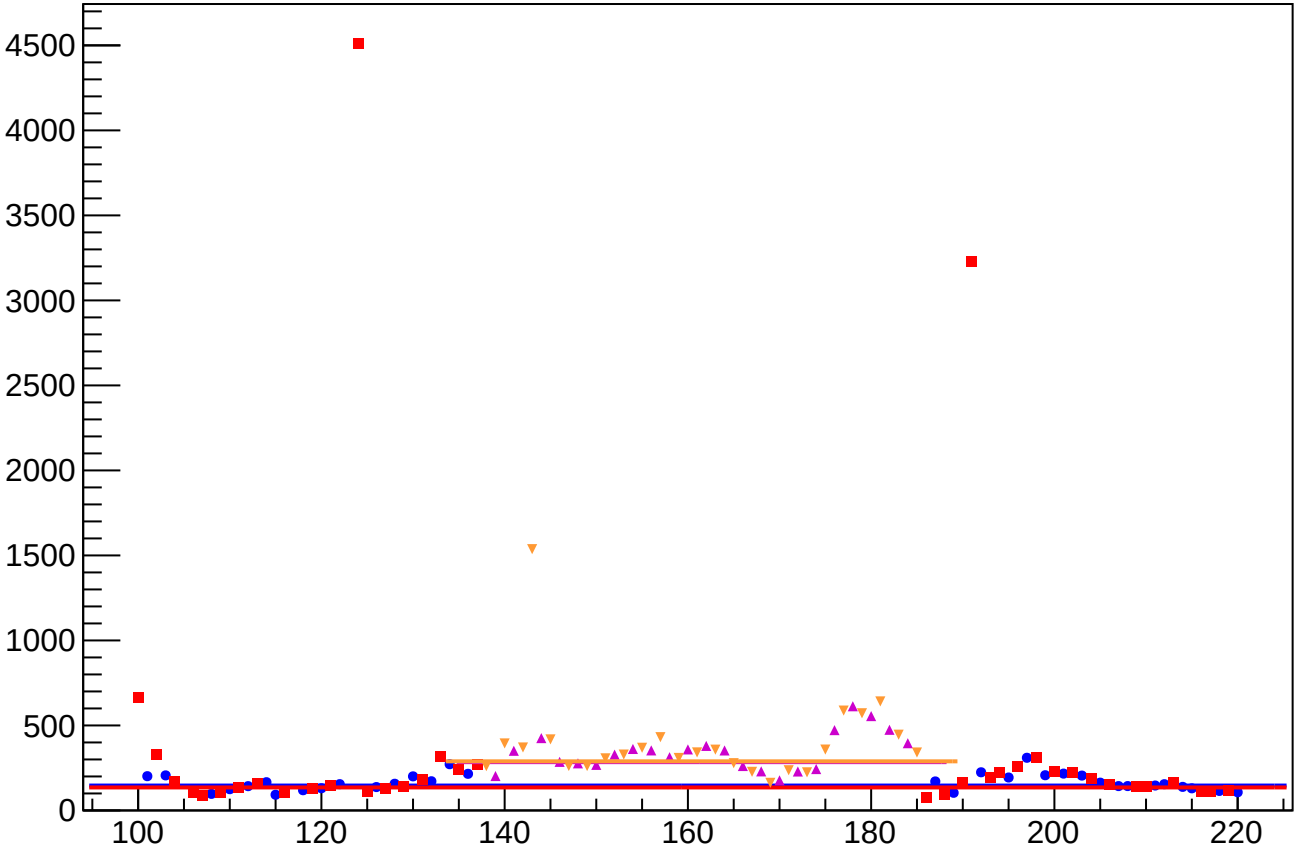
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

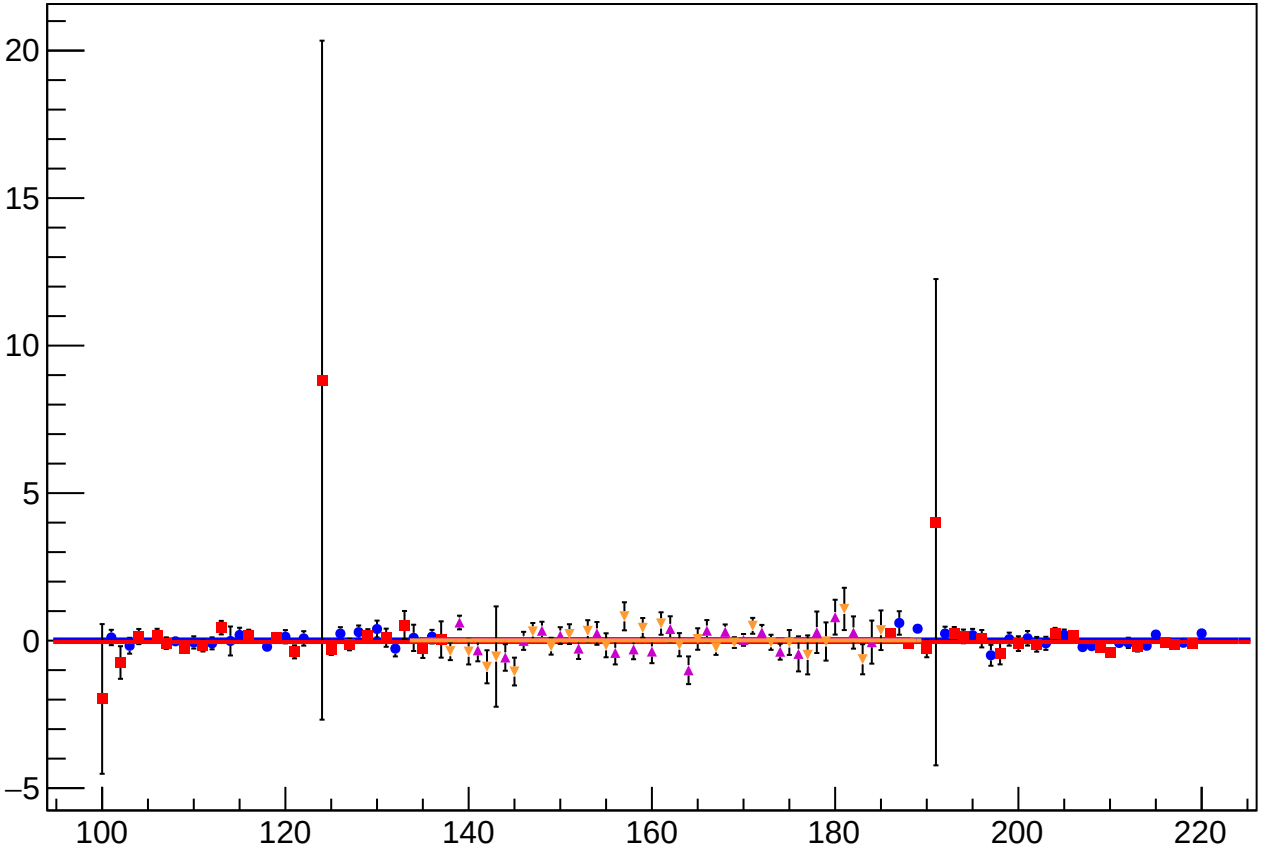
Right: 140.630+/-0.016 χ^2/NDF: 7831323.4/69

In: 172.145+/-0.022 χ^2/NDF:12085358.3/55

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

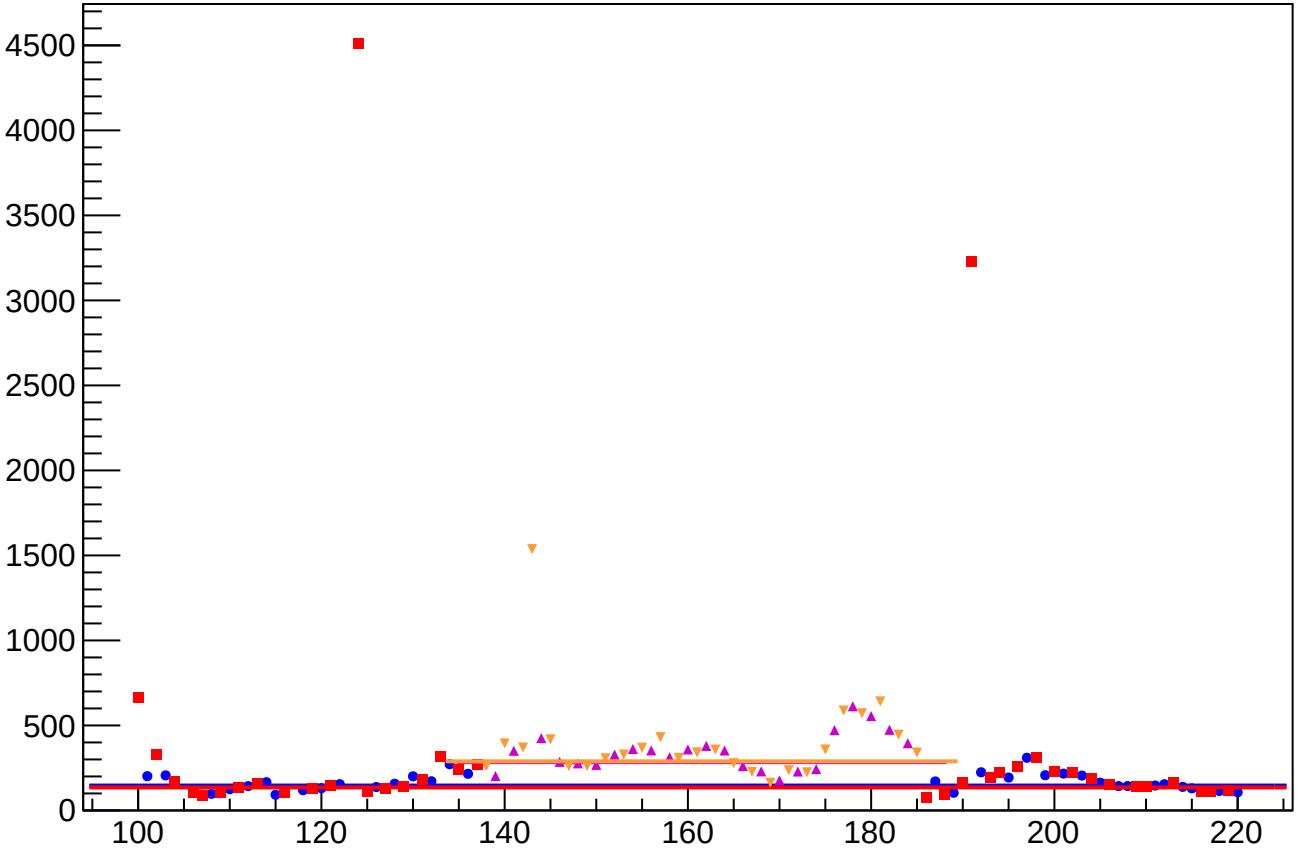
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

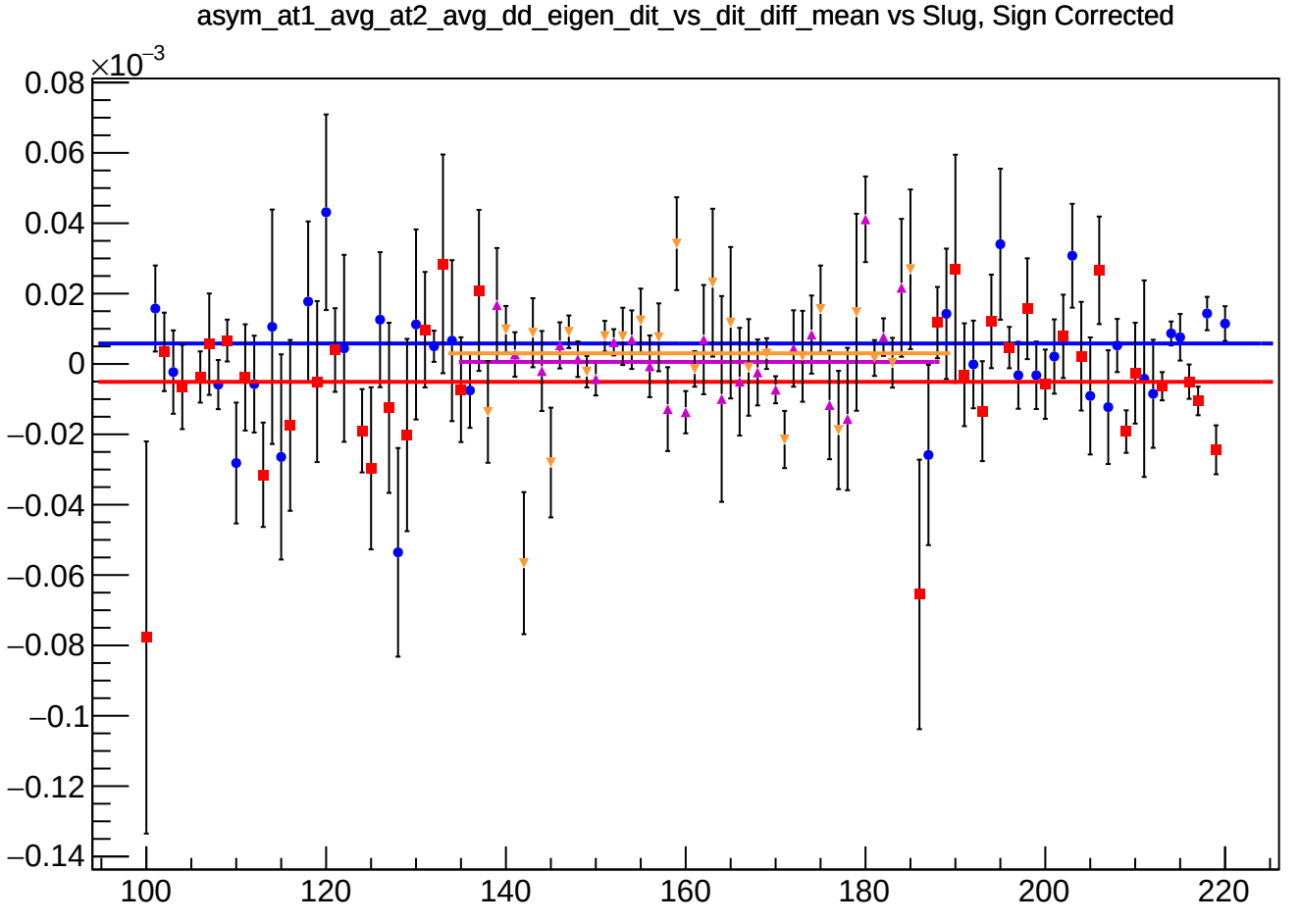
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 140.630+/-0.016 χ^2/NDF: 7831323.4/69

In: 172.145+/-0.022 χ^2/NDF:12085358.3/55

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

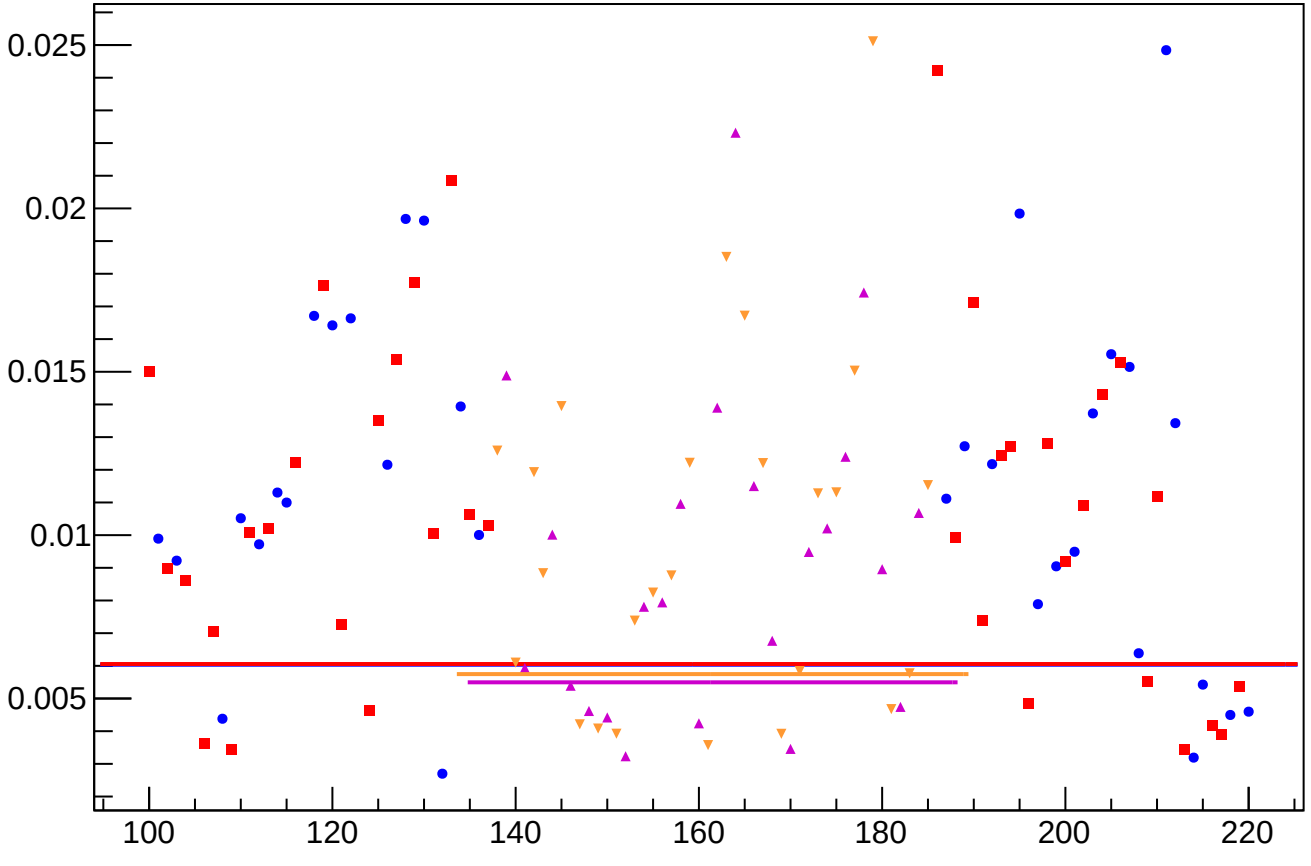
Right: 0.000+/-0.000 χ^2/NDF: 109.3/69

In: 0.000+/-0.000 χ^2/NDF:73.3/55

Out: -0.000+/-0.000 χ^2/NDF:107.1/61

All: 0.000+/-0.000 χ^2/NDF: 187.1/117

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 11804534.2/32

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

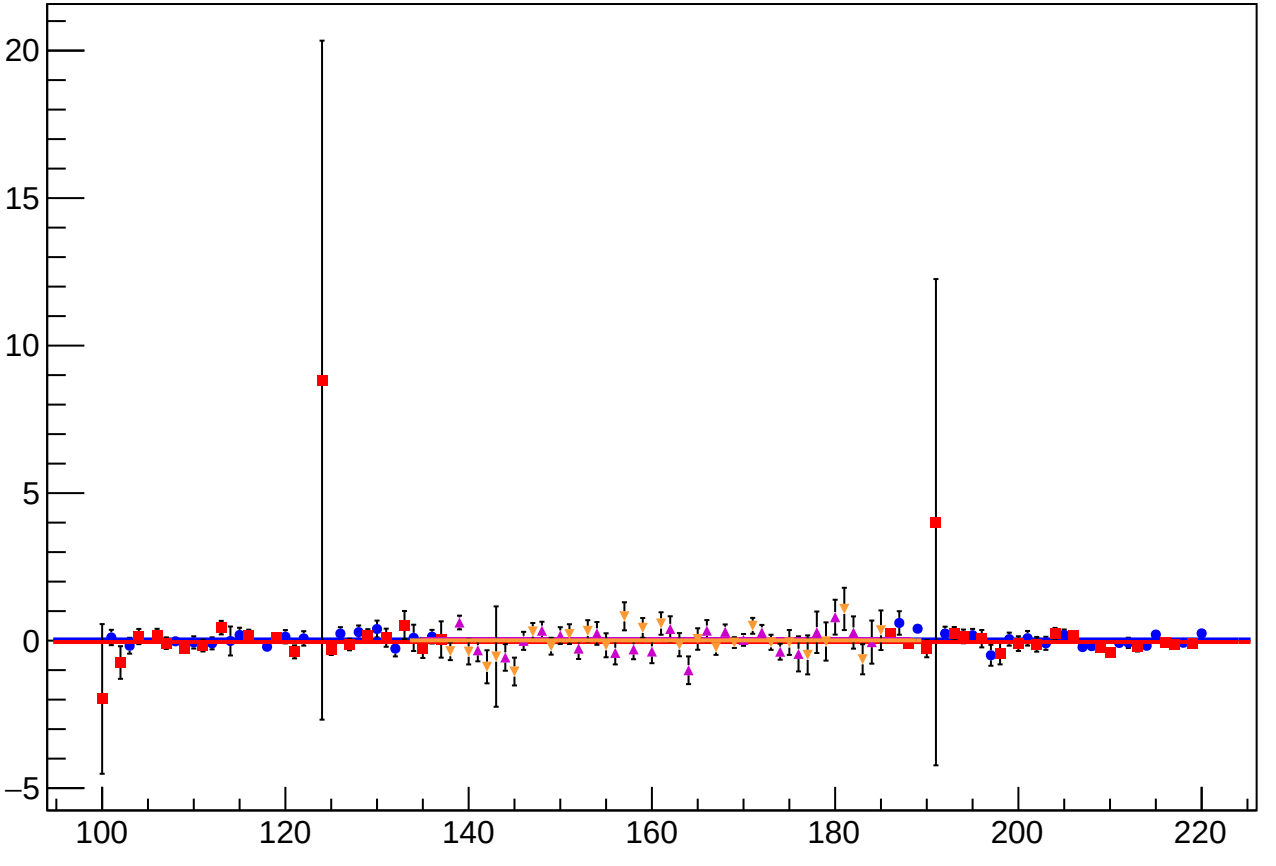
Right: 0.006+/-0.000 χ^2/NDF: 21672510.2/69

In: 0.006+/-0.000 χ^2/NDF:18861514.1/55

Out: 0.006+/-0.000 χ^2/NDF:18036488.4/61

All: 0.006+/-0.000 χ^2/NDF: 36916190.5/117

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

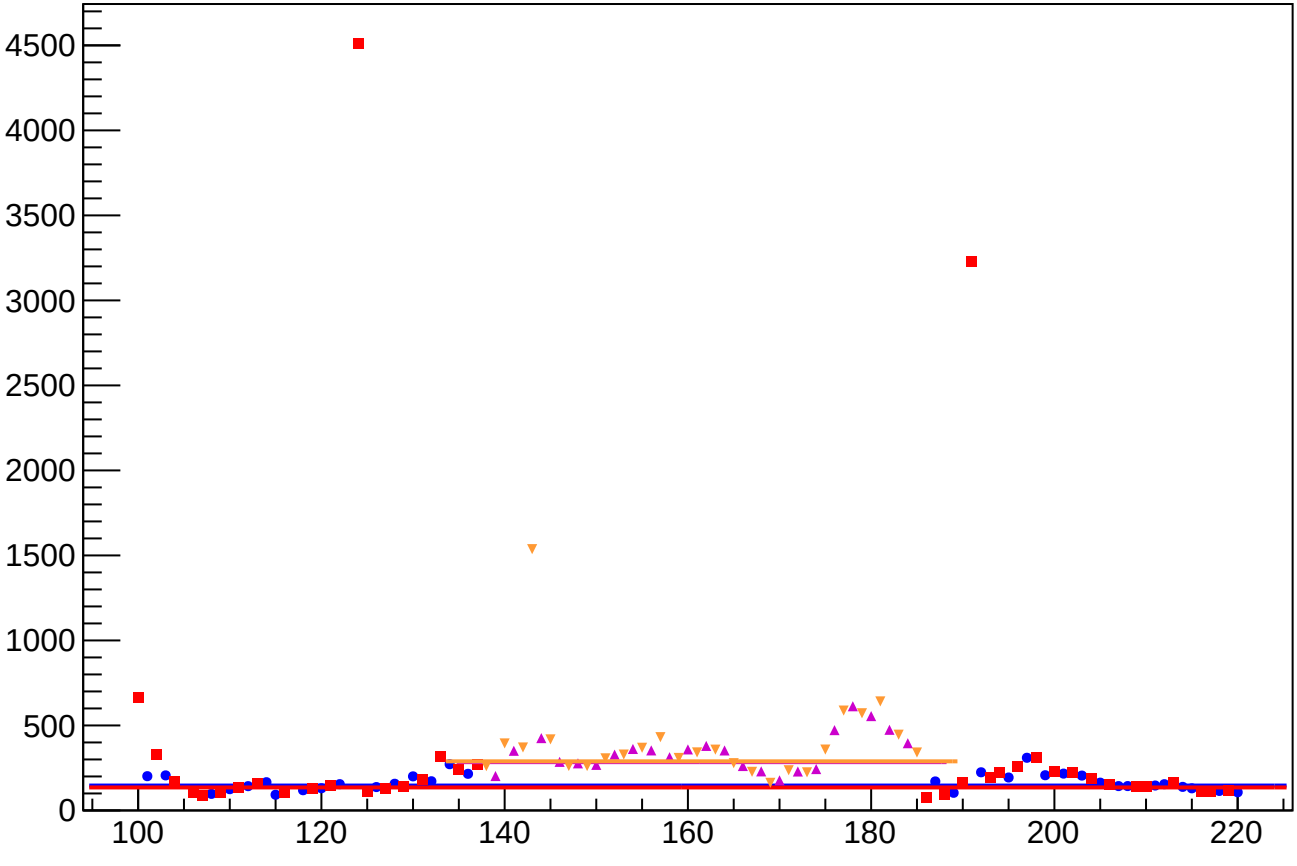
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

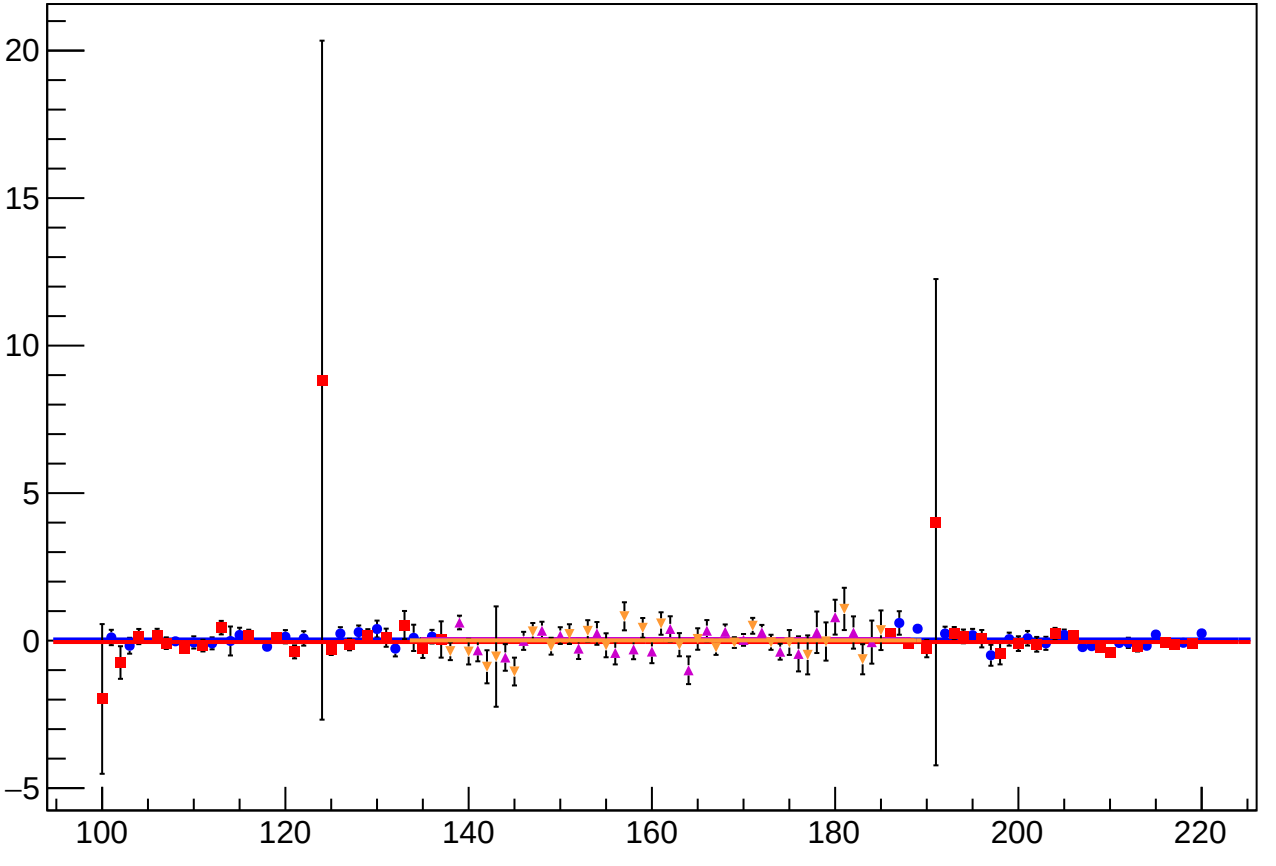
Right: 140.631+/-0.016 χ^2/NDF: 7831119.5/69

In: 172.146+/-0.022 χ^2/NDF:12085505.2/55

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/1

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

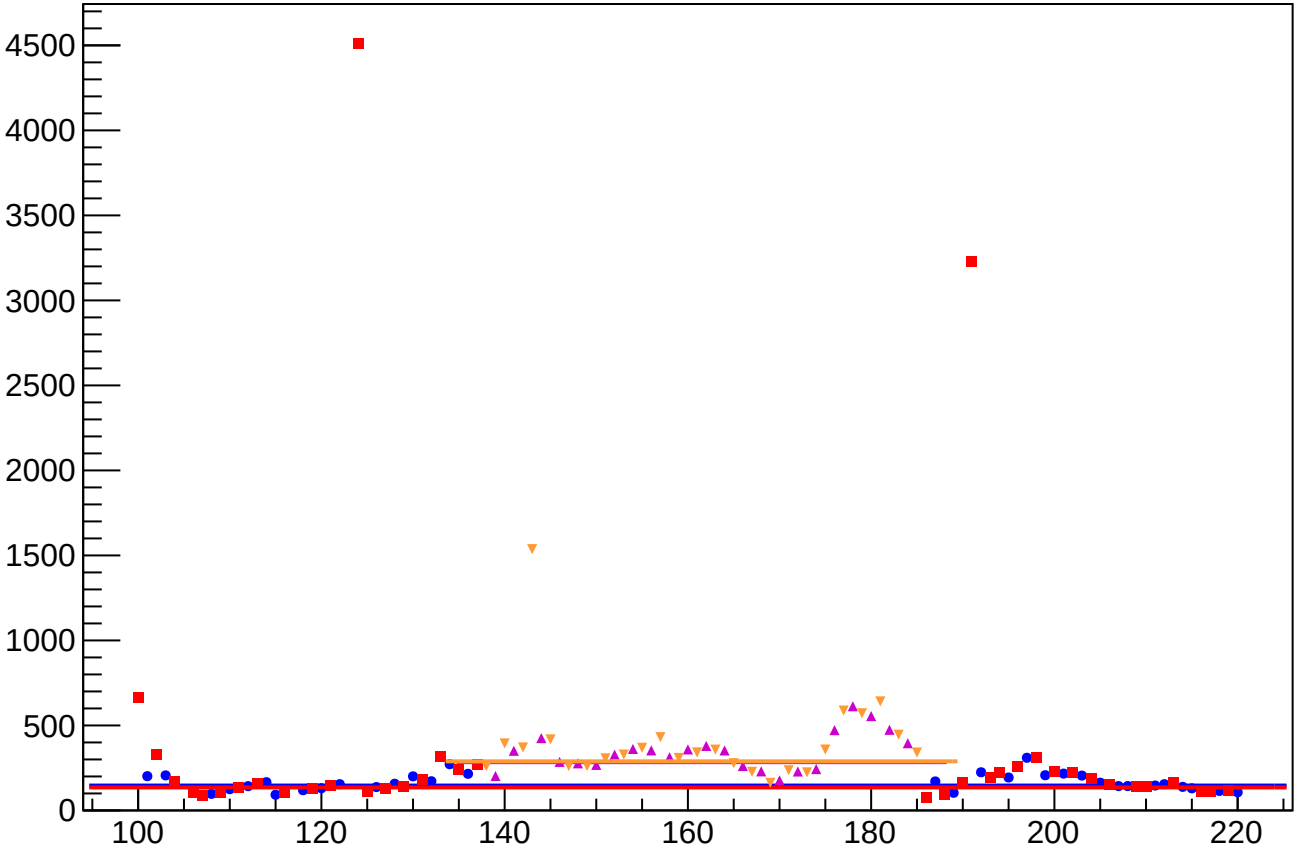
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

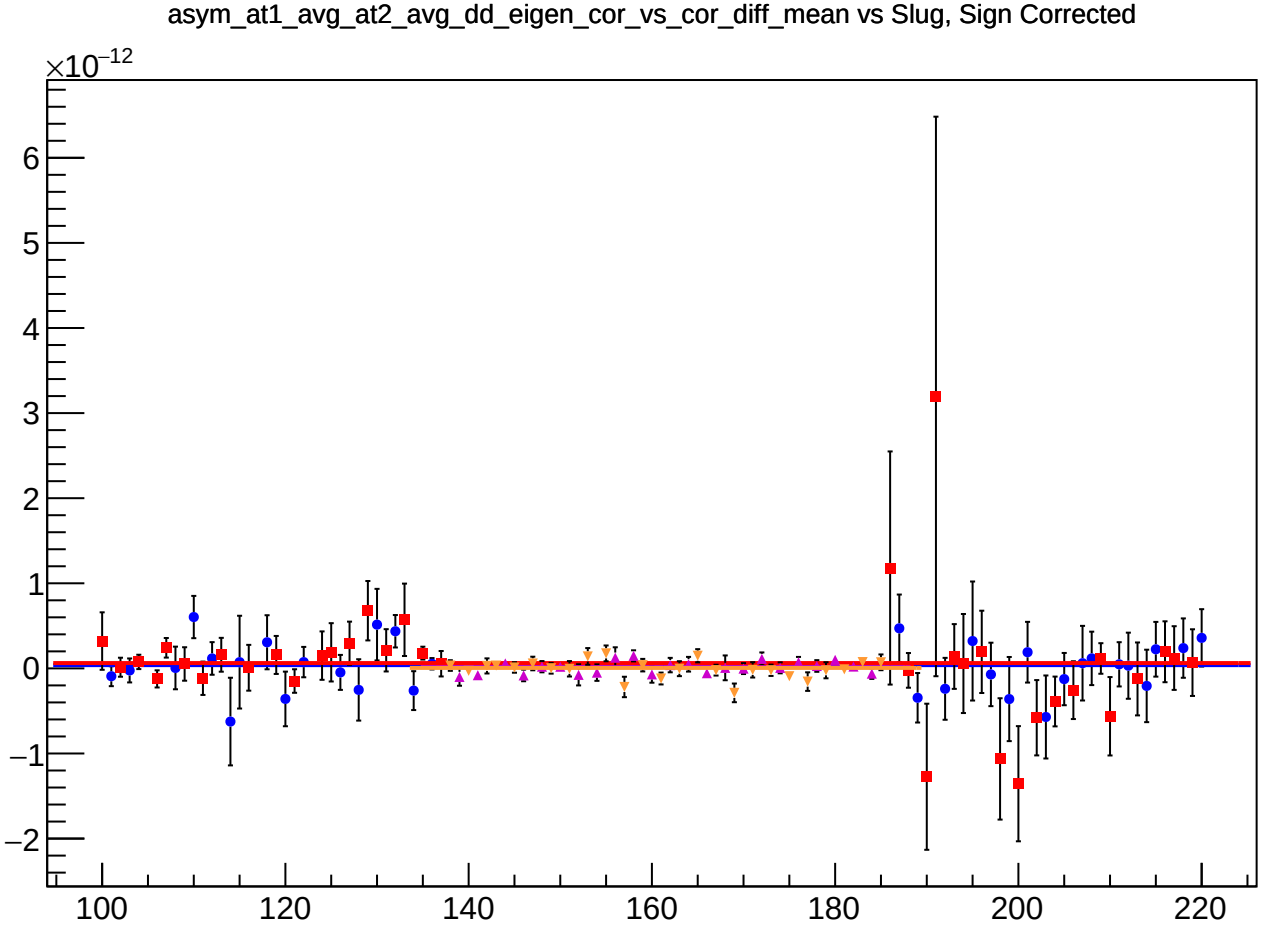
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 140.631+/-0.016 χ^2/NDF: 7831119.5/69

In: 172.146+/-0.022 χ^2/NDF:12085505.2/55

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/11



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

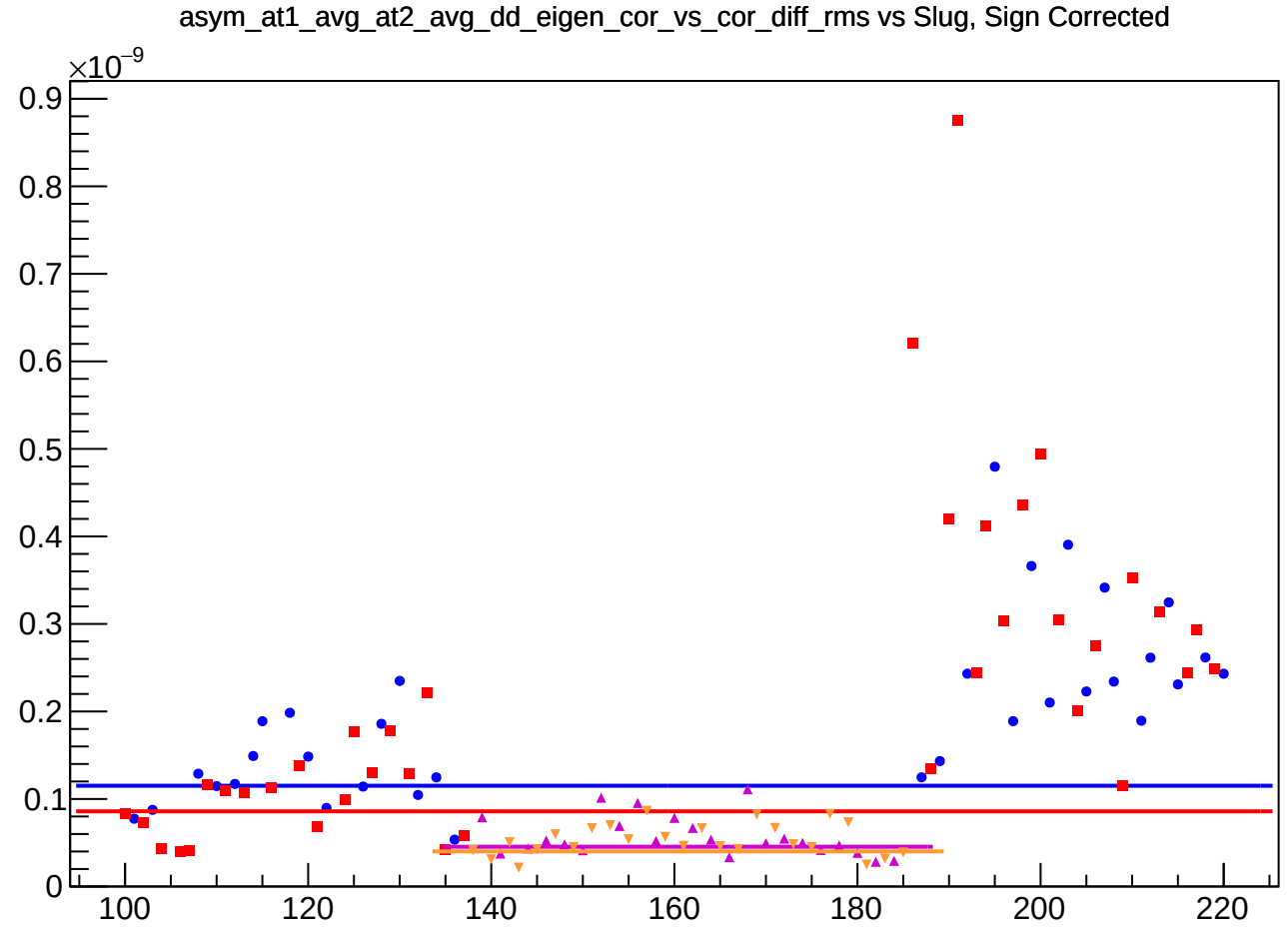
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 65.1/69

In: 0.000+/-0.000 χ^2/NDF:51.0/55

Out: 0.000+/-0.000 χ^2/NDF:74.4/61

All: 0.000+/-0.000 χ^2/NDF: 125.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 7555894.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

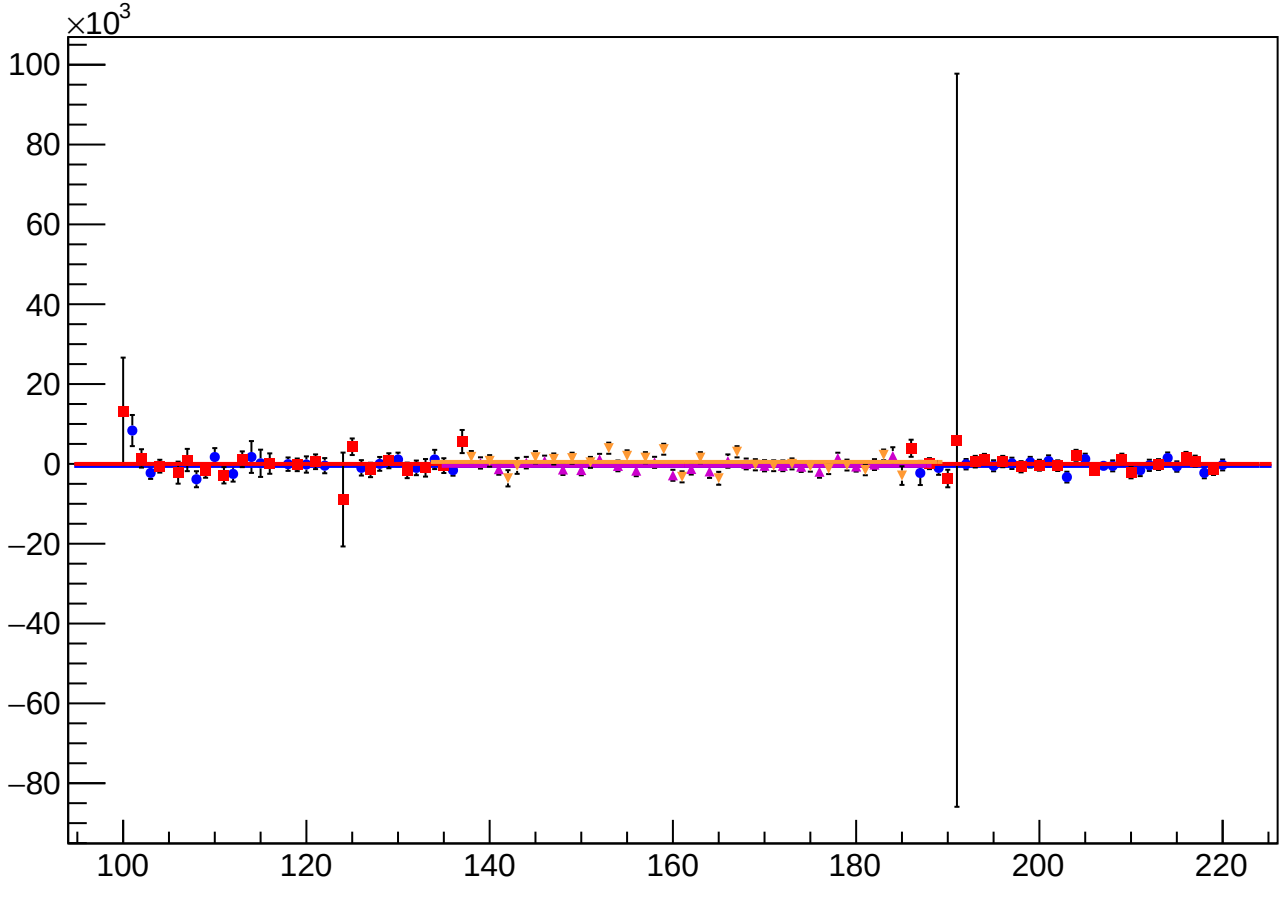
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18614914.4/69

In: 0.000+/-0.000 χ^2/NDF:16190510.1/55

Out: 0.000+/-0.000 χ^2/NDF:17587192.4/61

All: 0.000+/-0.000 χ^2/NDF: 34126819.7/117



Right In: -508.315+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -10.411+/-281.970 χ^2/NDF: 33.5/36

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

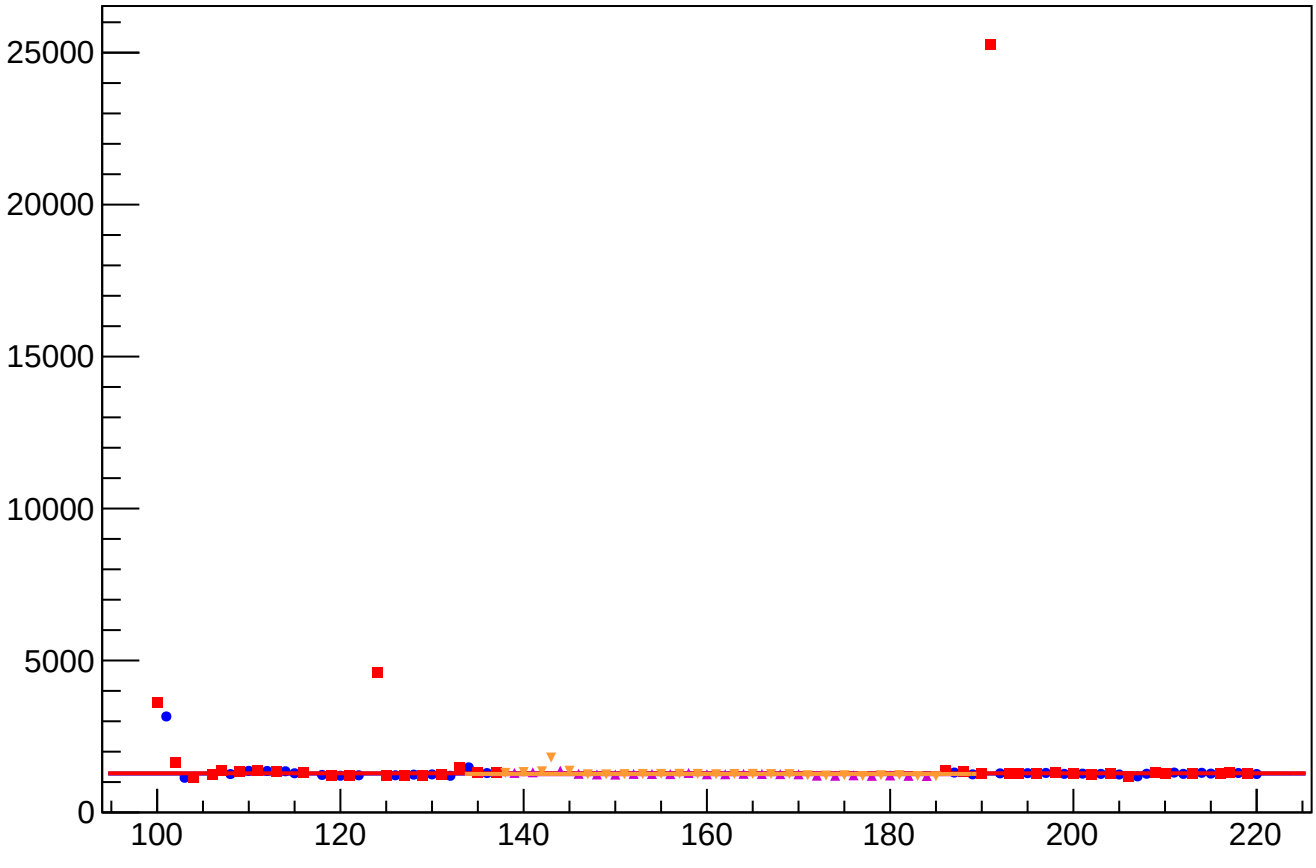
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -260.642+/-198.870 χ^2/NDF: 61.3/69

In: -498.063+/-202.881 χ^2/NDF:40.6/55

Out: 235.079+/-201.650 χ^2/NDF:81.9/61

All: -129.261+/-143.022 χ^2/NDF: 129.1/117



Right In: 1278.918+/-0.198 χ^2/NDF: 530826.5/32

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

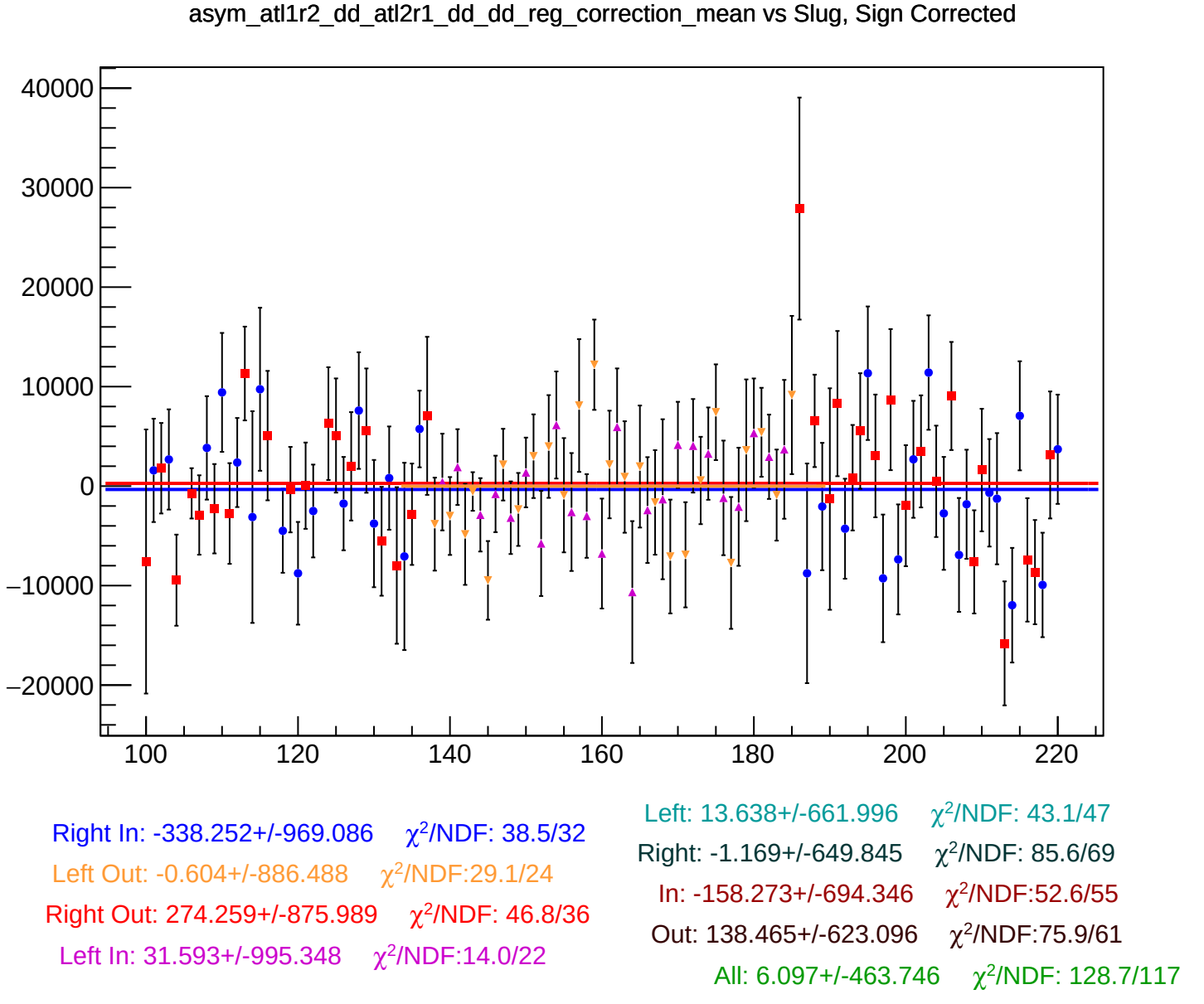
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

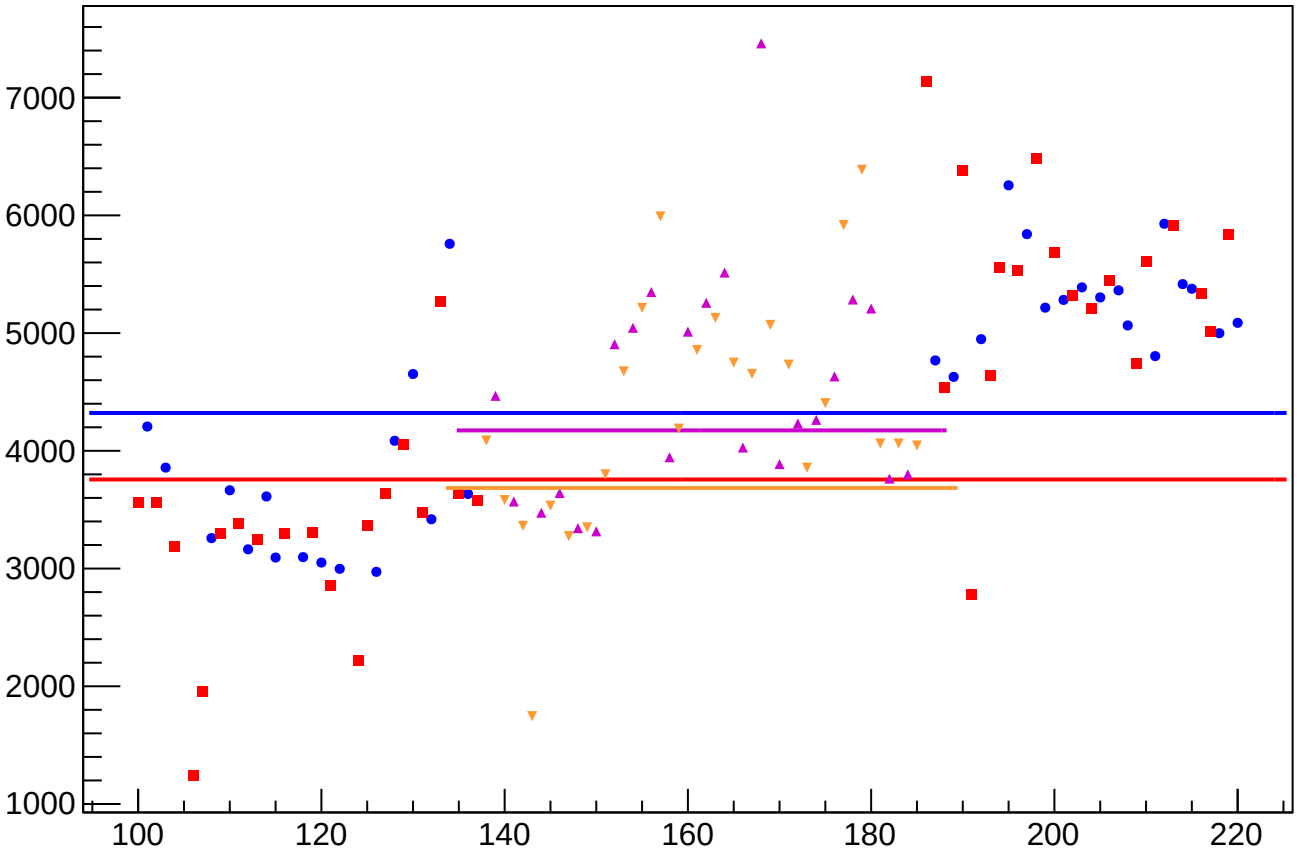
Right: 1283.684+/-0.141 χ^2/NDF: 1015560.7/69

In: 1268.727+/-0.143 χ^2/NDF:573176.5/55

Out: 1277.985+/-0.143 χ^2/NDF:676818.5/61

All: 1273.386+/-0.101 χ^2/NDF: 1252091.1/11


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -338.252+/-969.086 χ²/NDF: 38.5/32
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 274.259+/-875.989 χ²/NDF: 46.8/36
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: -1.169+/-649.845 χ²/NDF: 85.6/69
In: -158.273+/-694.346 χ²/NDF:52.6/55
Out: 138.465+/-623.096 χ²/NDF:75.9/61
All: 6.097+/-463.746 χ²/NDF: 128.7/117



Right In: 4321.635+/-0.685 χ^2/NDF: 2116489.4/32

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

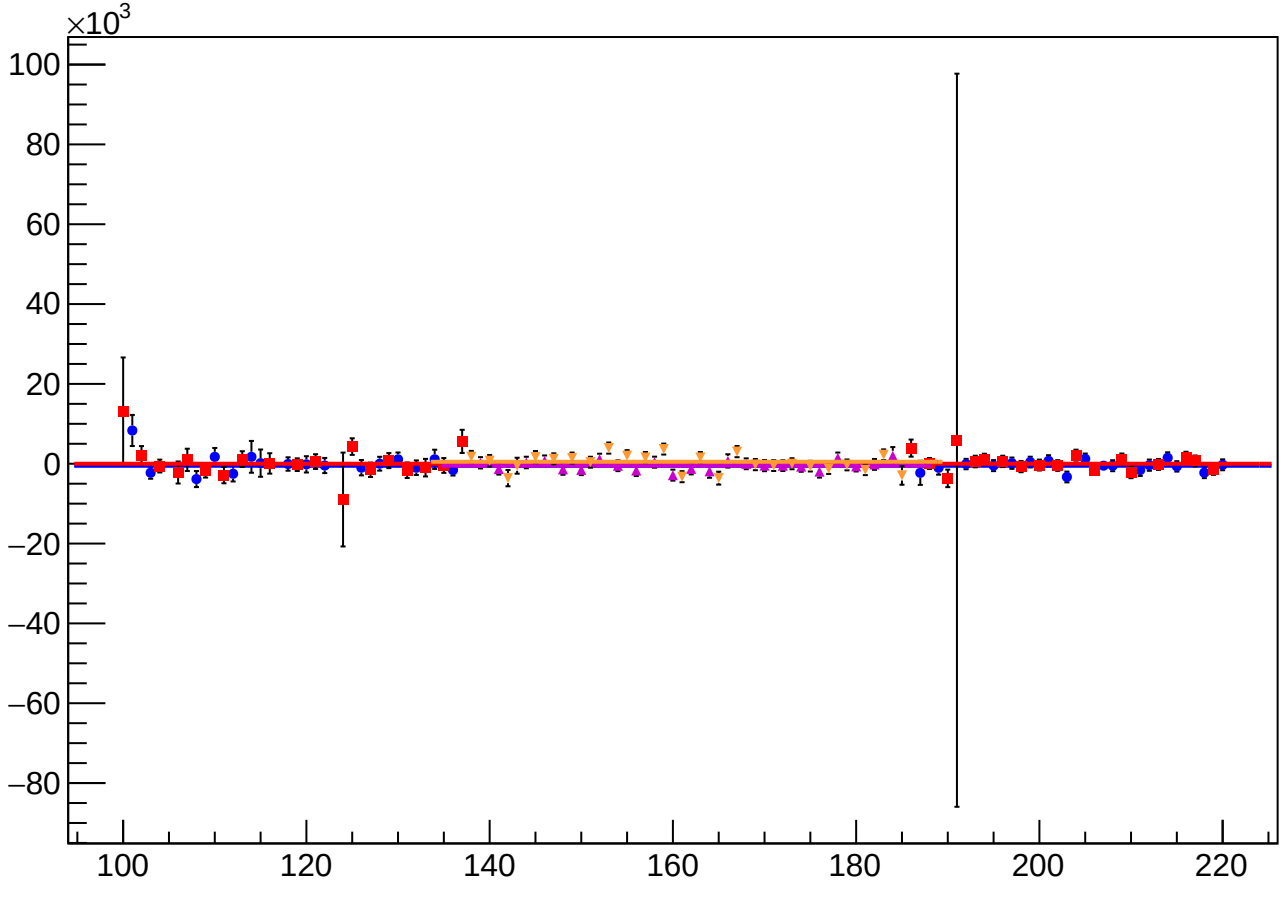
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 4010.590+/-0.460 χ^2/NDF: 8058760.1/69

In: 4249.575+/-0.491 χ^2/NDF:3414182.1/55

Out: 3721.030+/-0.441 χ^2/NDF:9268137.7/61

All: 3956.801+/-0.328 χ^2/NDF: 13324256.2/1



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

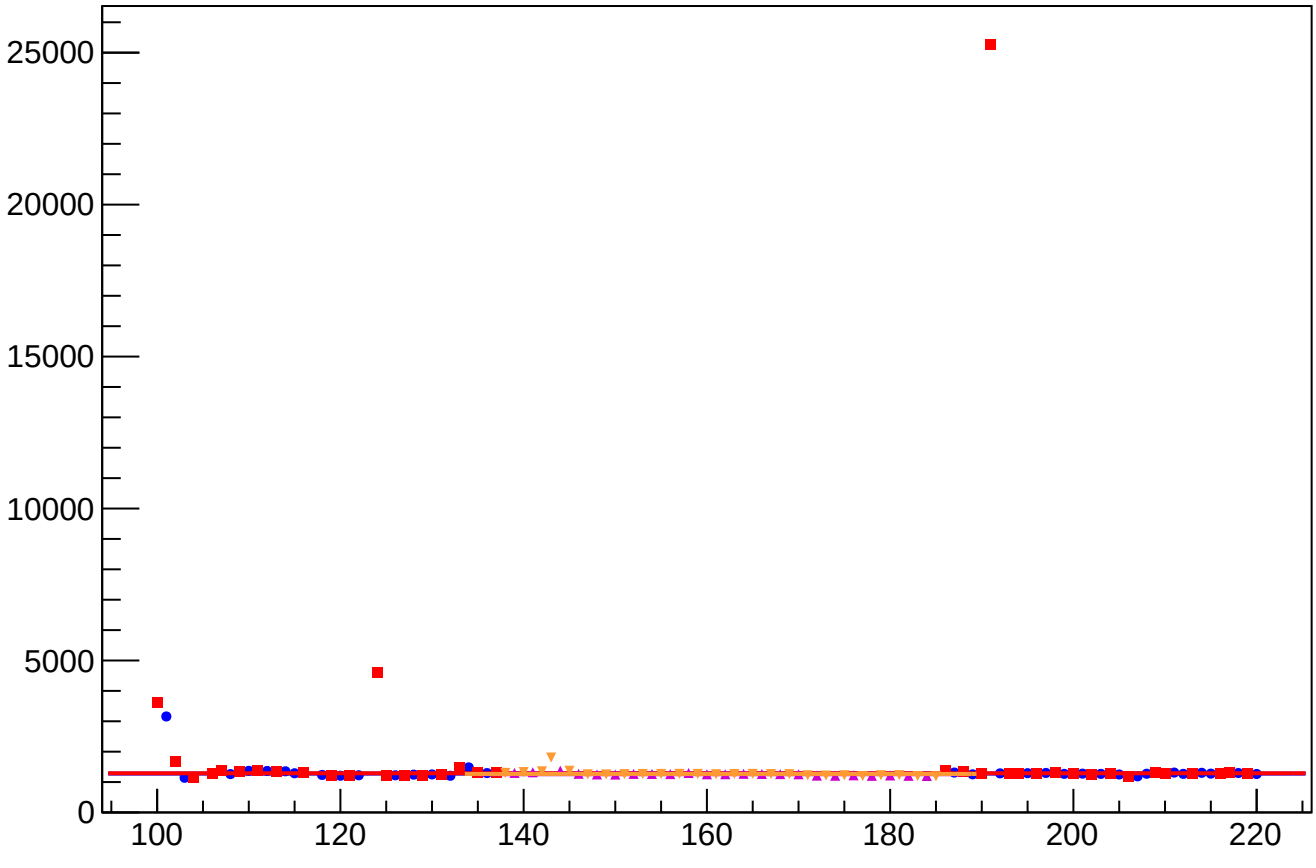
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.941+/-198.892 χ^2/NDF: 61.8/69

In: -498.080+/-202.881 χ^2/NDF:40.6/55

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -126.786+/-143.030 χ^2/NDF: 129.6/117



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

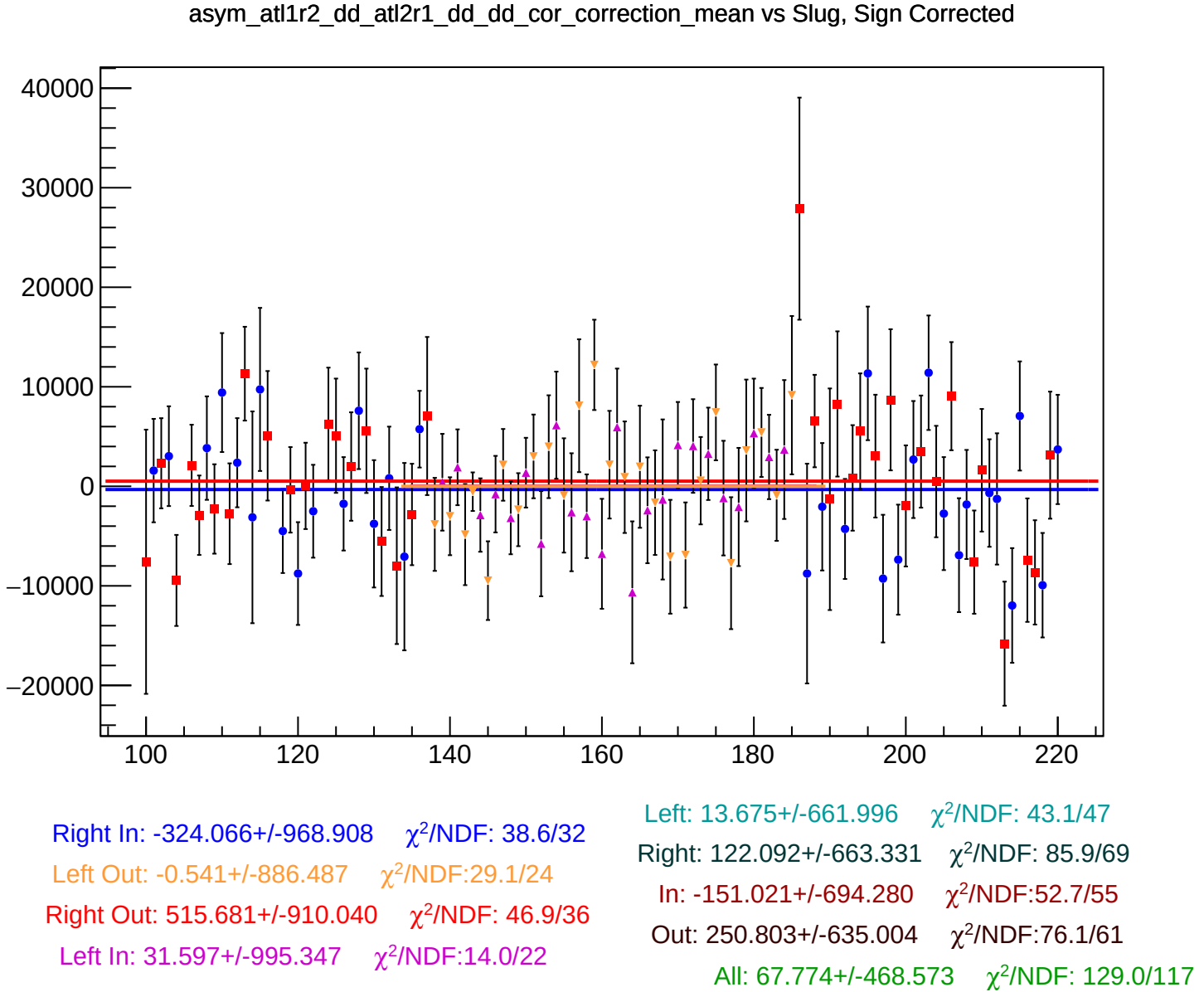
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

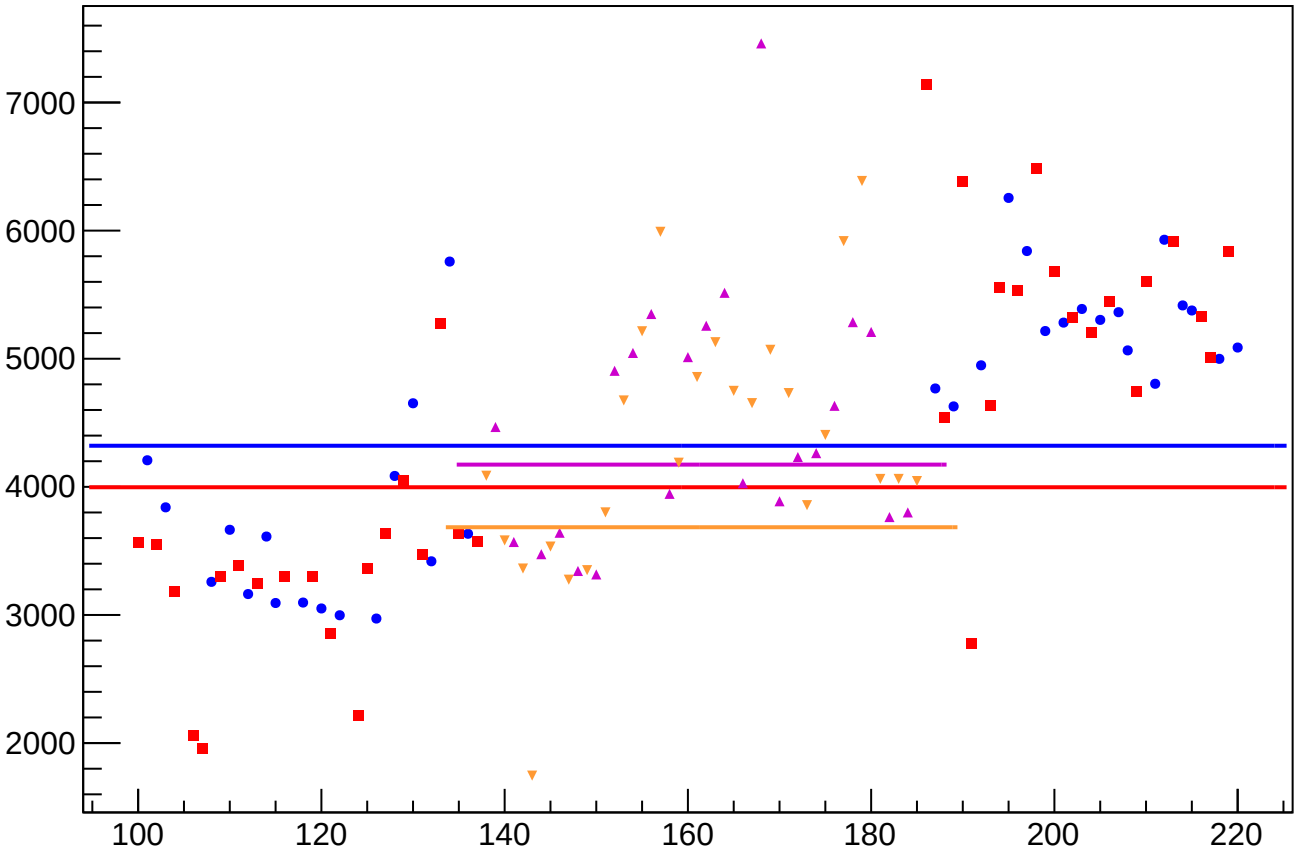
Right: 1284.015+/-0.141 χ^2/NDF: 1022630.5/69

In: 1268.727+/-0.143 χ^2/NDF:573177.9/55

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -324.066+/-968.908 χ²/NDF: 38.6/32
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 515.681+/-910.040 χ²/NDF: 46.9/36
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 122.092+/-663.331 χ²/NDF: 85.9/69
In: -151.021+/-694.280 χ²/NDF:52.7/55
Out: 250.803+/-635.004 χ²/NDF:76.1/61
All: 67.774+/-468.573 χ²/NDF: 129.0/117



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

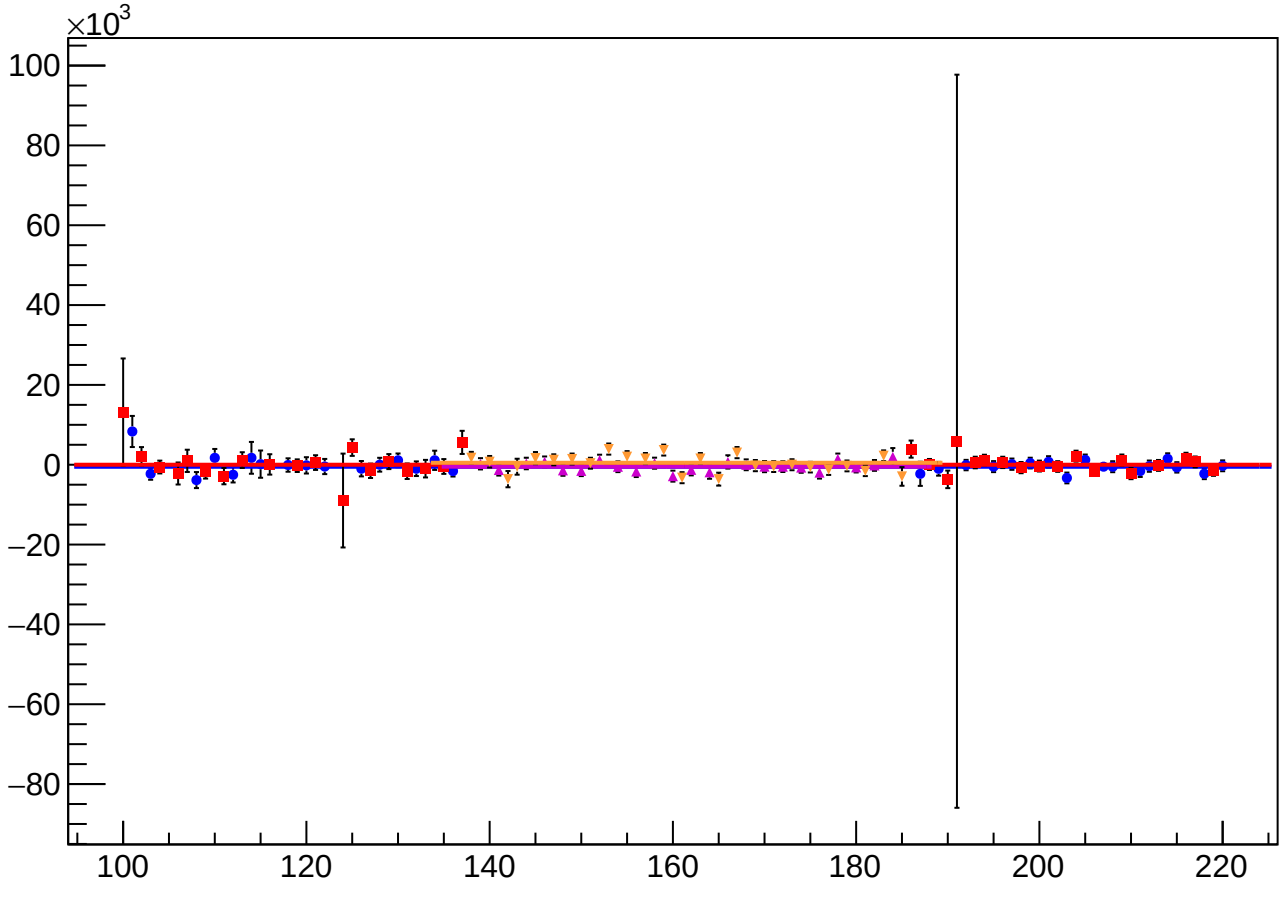
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4148.719+/-0.469 χ^2/NDF: 6033980.2/69

In: 4249.180+/-0.491 χ^2/NDF:3415410.3/55

Out: 3836.726+/-0.449 χ^2/NDF:7611620.2/61

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

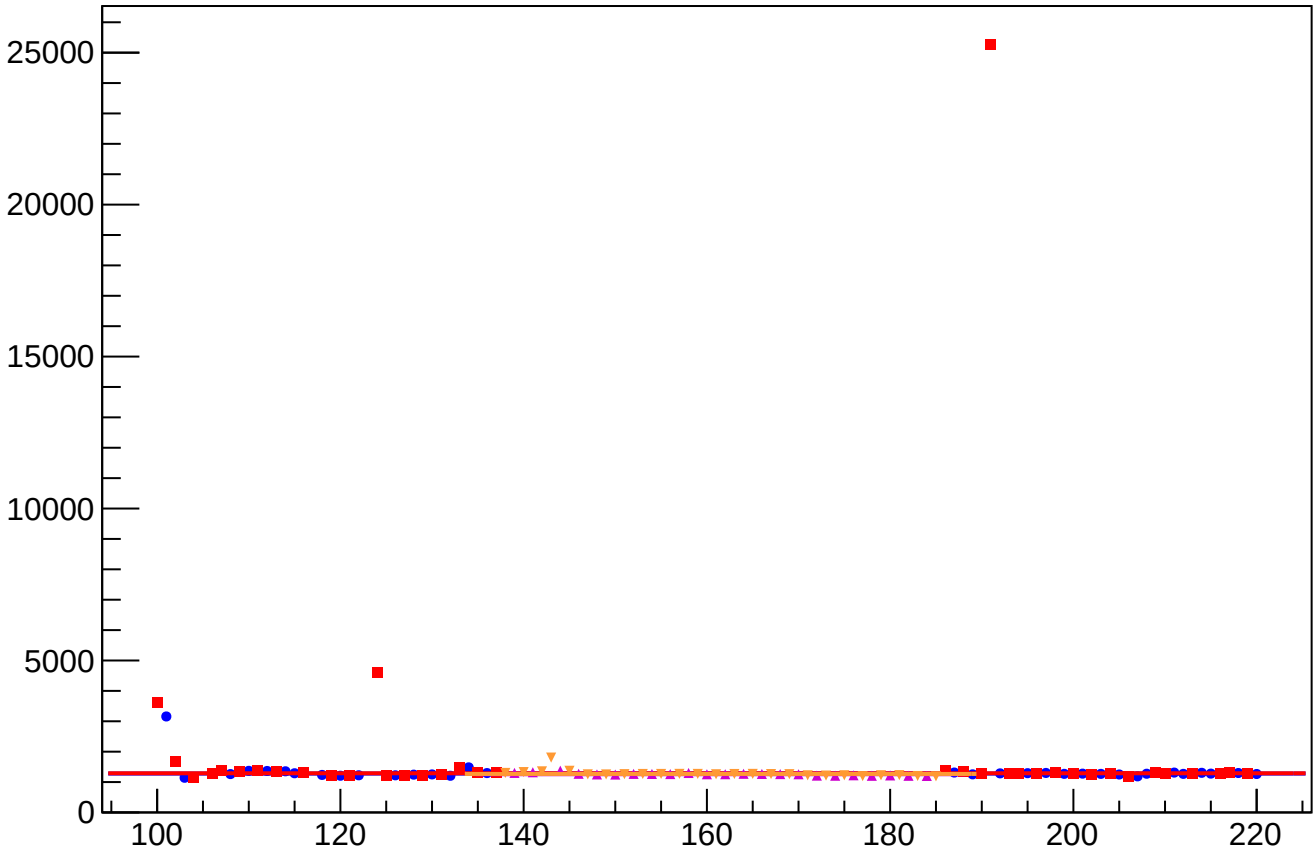
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -255.941+/-198.892 χ^2/NDF: 61.8/69

In: -498.080+/-202.881 χ^2/NDF:40.6/55

Out: 240.098+/-201.673 χ^2/NDF:82.3/61

All: -126.786+/-143.030 χ^2/NDF: 129.6/117



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

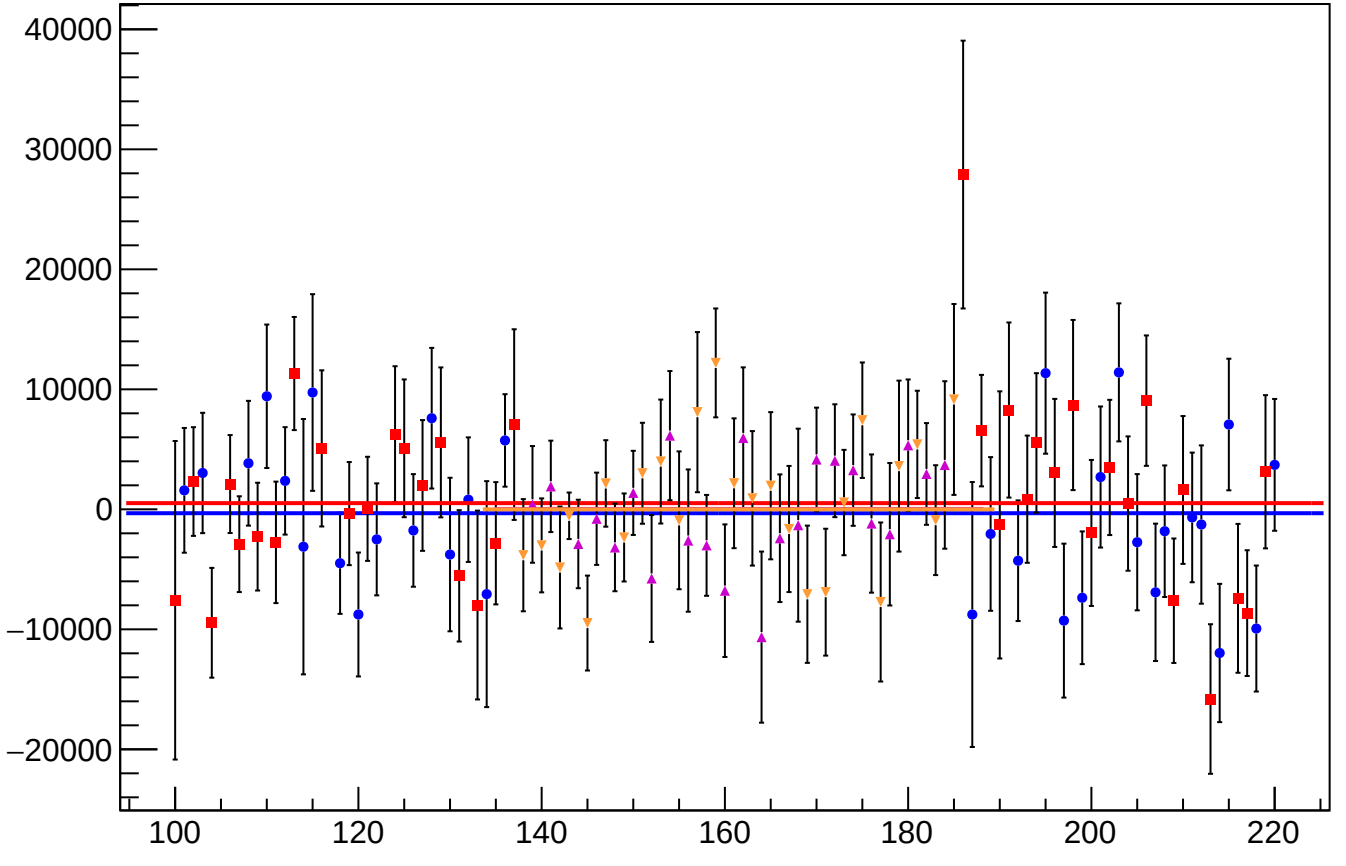
Right: 1284.015+/-0.141 χ^2/NDF: 1022630.5/69

In: 1268.727+/-0.143 χ^2/NDF:573177.9/55

Out: 1278.322+/-0.143 χ^2/NDF:684076.7/61

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

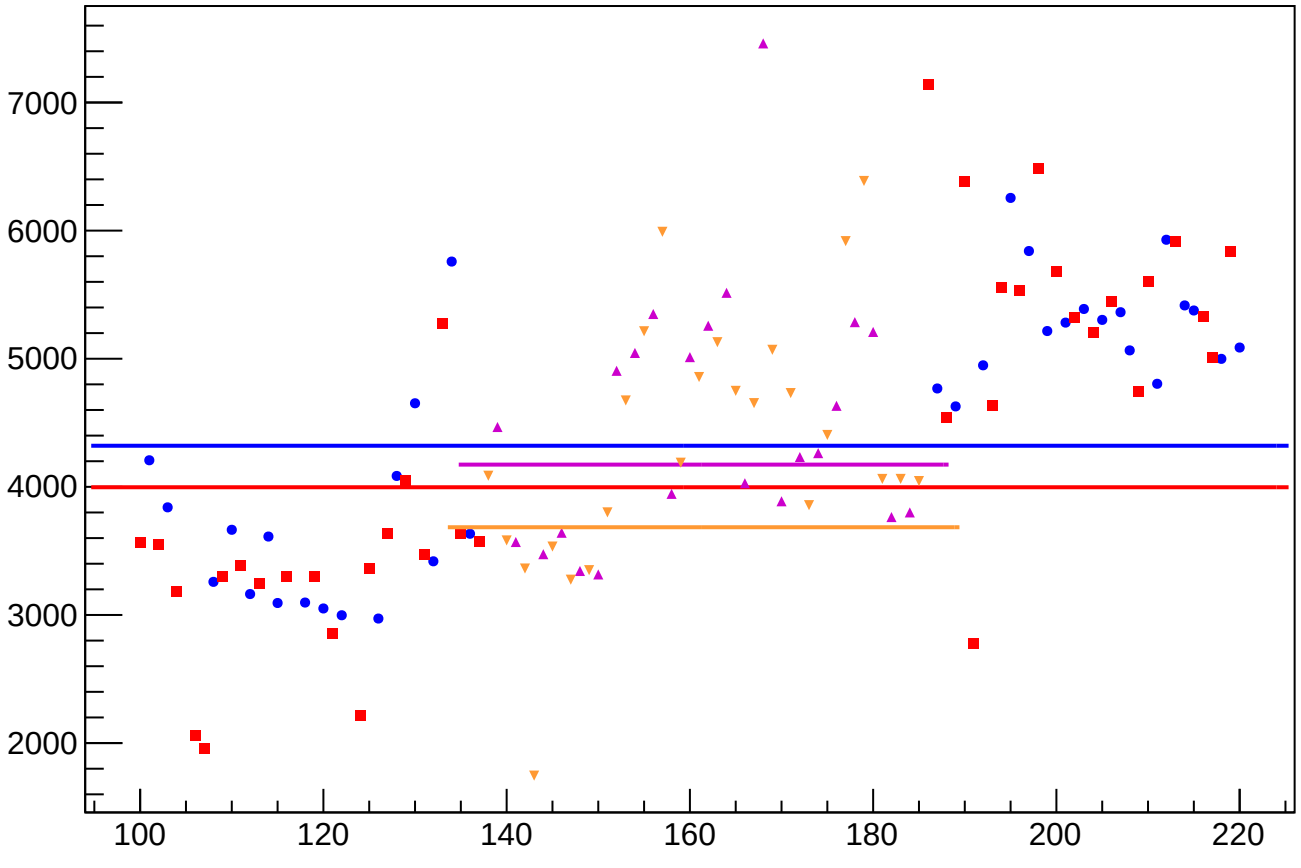
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 122.092+/-663.331 χ^2/NDF: 85.9/69

In: -151.021+/-694.280 χ^2/NDF:52.7/55

Out: 250.803+/-635.004 χ^2/NDF:76.1/61

All: 67.774+/-468.573 χ^2/NDF: 129.0/117


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
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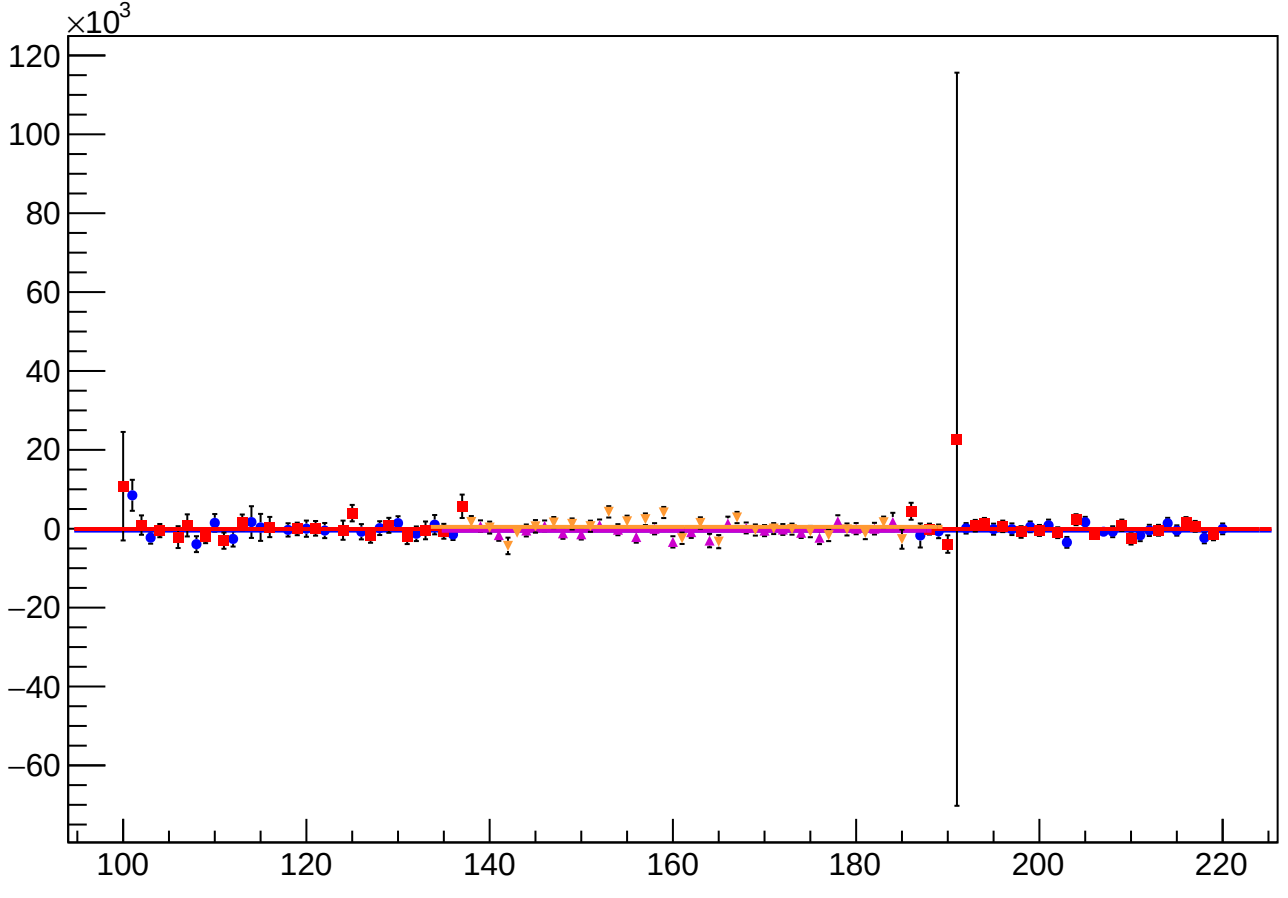
3000
2000
100
120
140
160
180
200
220
Right In: 4320.846+/-0.685 χ²/NDF: 2117954.0/32
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3996.873+/-0.643 χ²/NDF: 3797224.6/36
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 4148.719+/-0.469 χ²/NDF: 6033980.2/69
In: 4249.180+/-0.491 χ²/NDF:3415410.3/55
Out: 3836.726+/-0.449 χ²/NDF:7611620.2/61
All: 4024.598+/-0.331 χ²/NDF: 11411367.7/1



Right In: -470.448+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

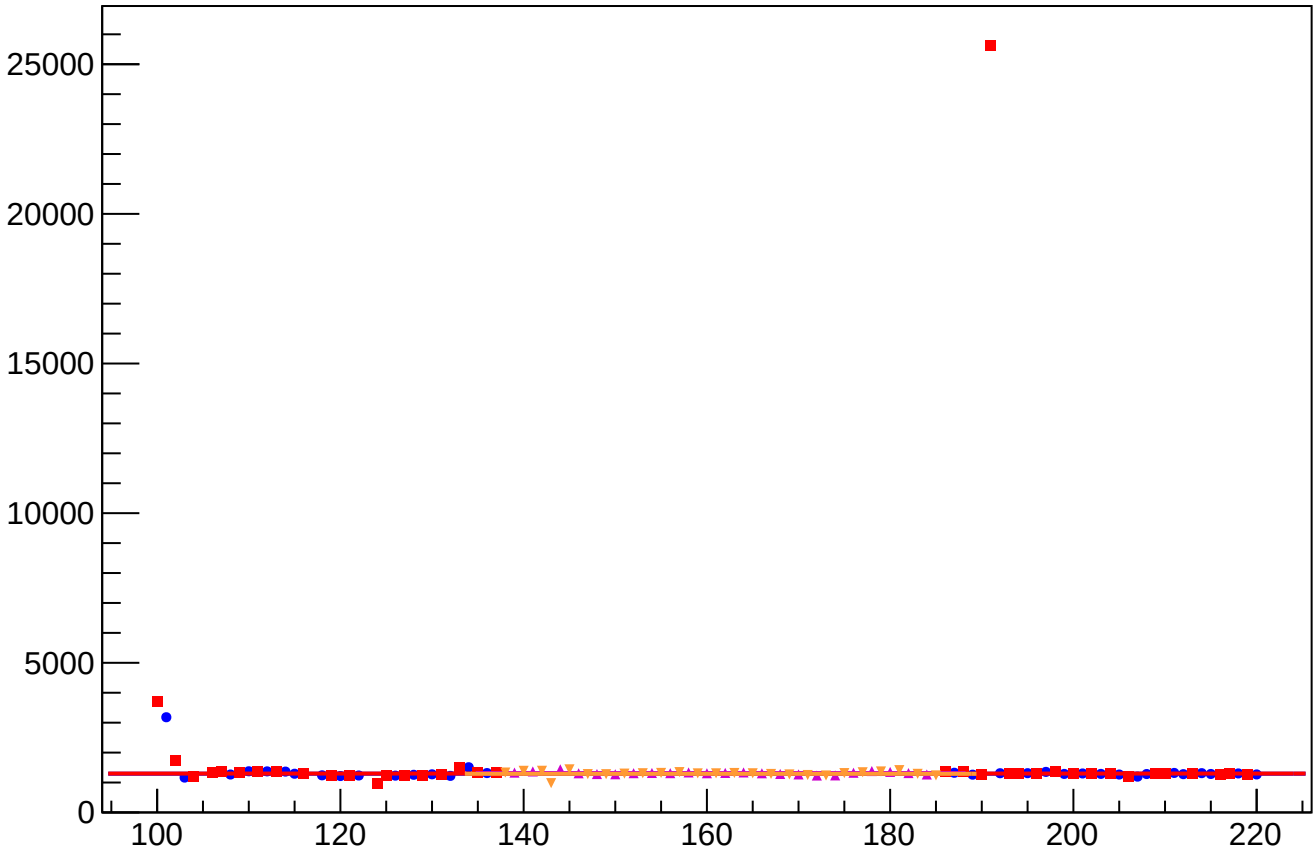
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -268.475+/-200.799 χ^2/NDF: 63.8/69

In: -485.707+/-208.446 χ^2/NDF:45.1/55

Out: 191.434+/-204.372 χ^2/NDF:81.0/61

All: -140.456+/-145.932 χ^2/NDF: 131.4/117



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.3/32

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

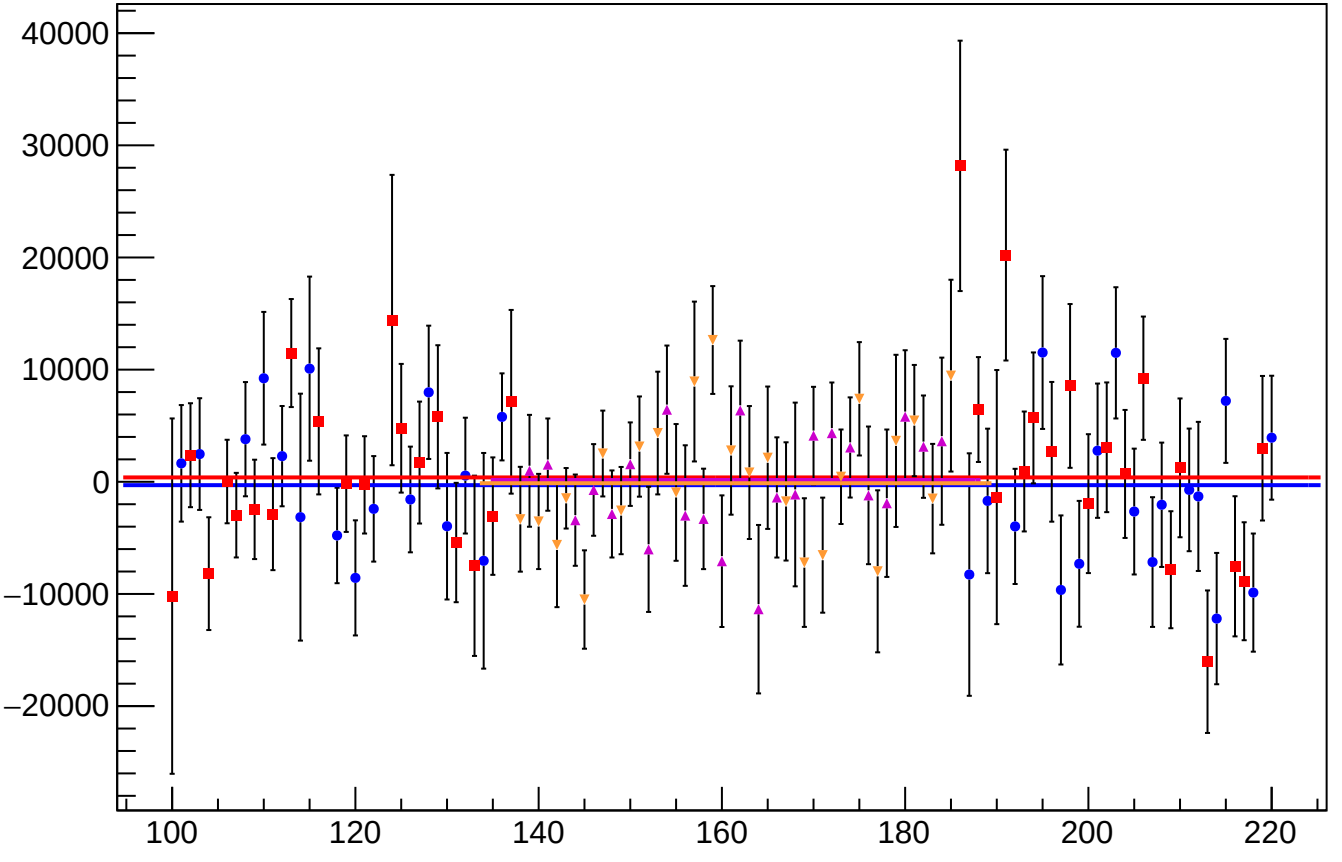
Right: 1296.826+/-0.142 χ^2/NDF: 910720.5/69

In: 1303.278+/-0.147 χ^2/NDF:578492.4/55

Out: 1295.527+/-0.144 χ^2/NDF:611000.4/61

All: 1299.325+/-0.103 χ^2/NDF: 1190902.9/11

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -299.963+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

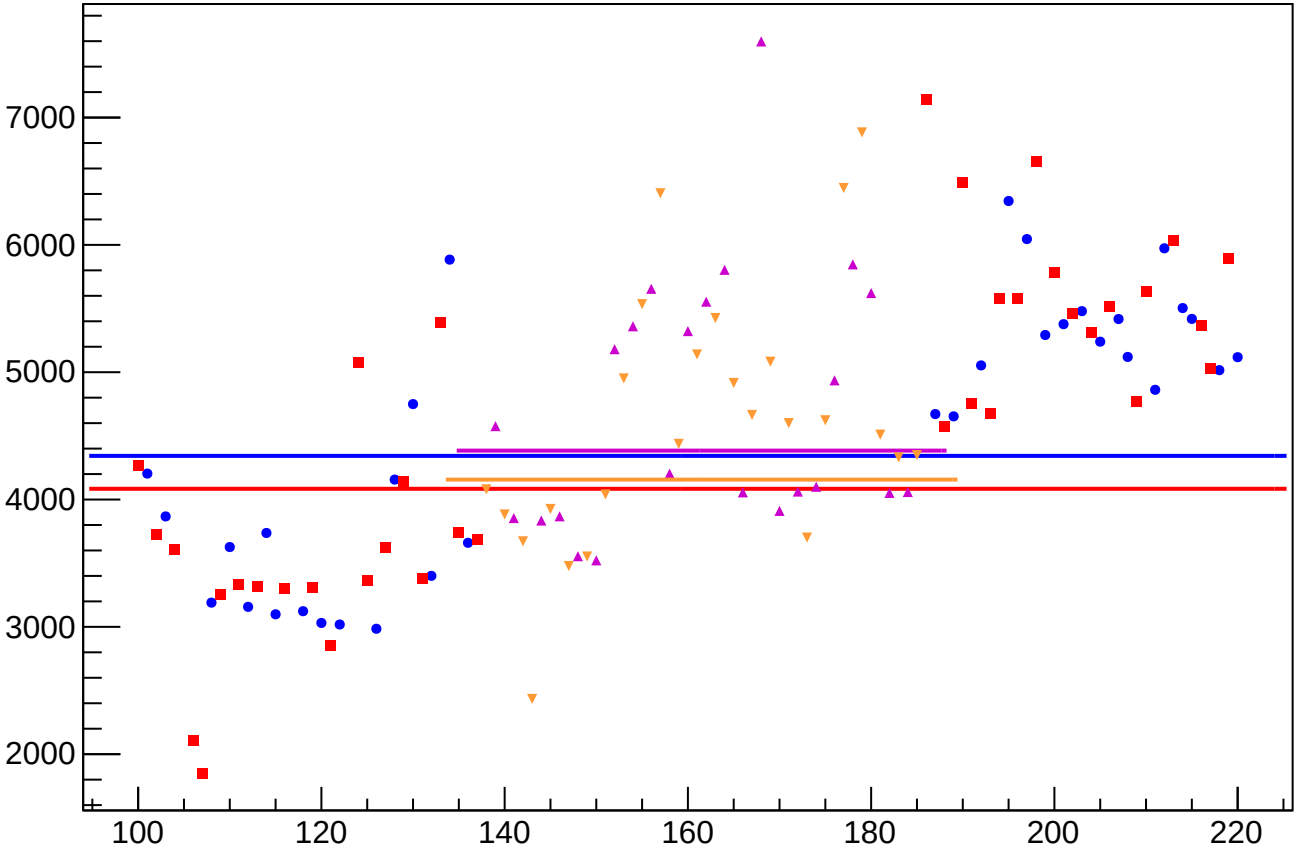
Right: 63.068+/-670.901 χ^2/NDF: 87.2/69

In: -86.297+/-713.006 χ^2/NDF:52.4/55

Out: 145.476+/-671.666 χ^2/NDF:77.2/61

All: 36.503+/-488.902 χ^2/NDF: 129.6/117

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4342.960+/-0.689 χ^2/NDF: 2219094.7/32

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

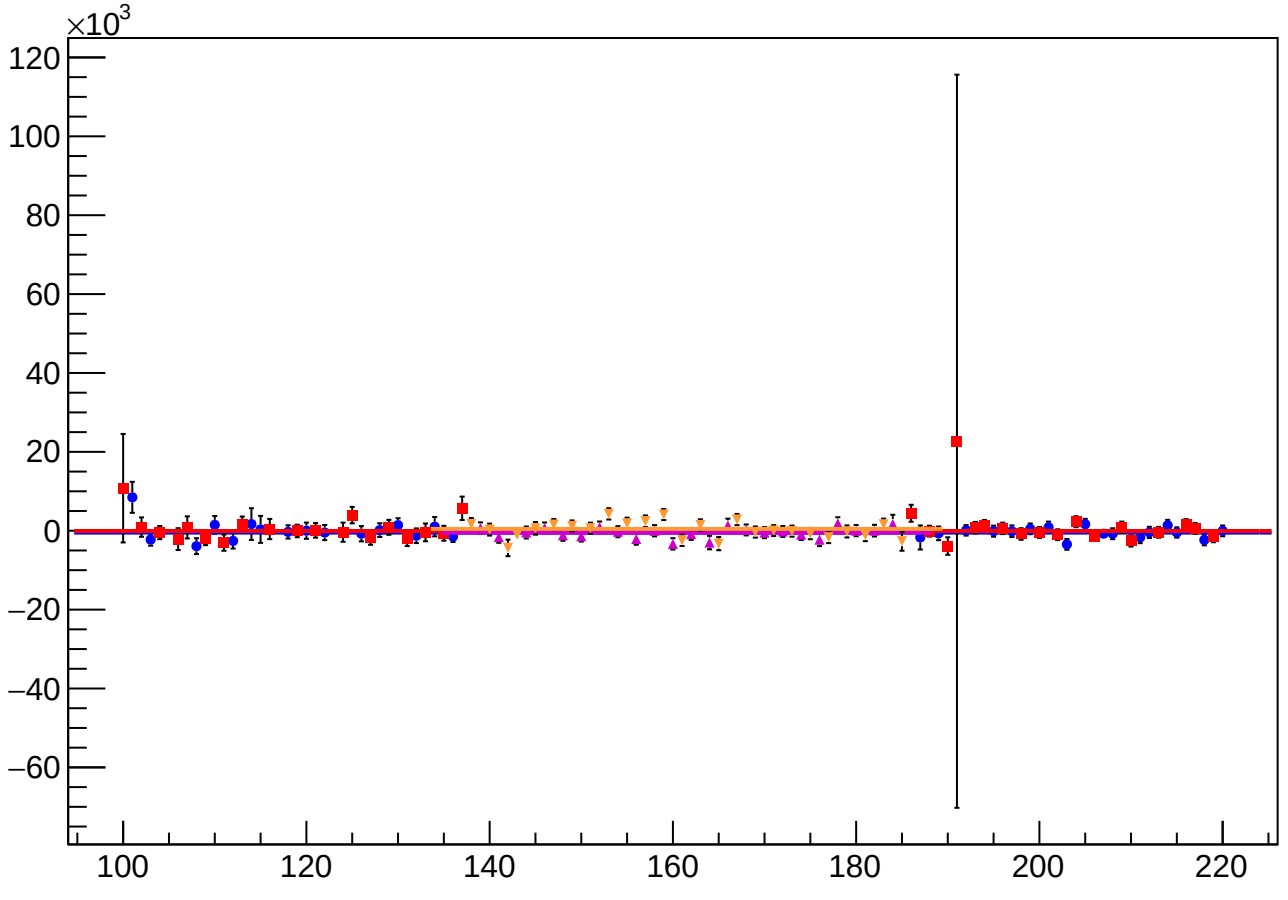
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4206.805+/-0.474 χ^2/NDF: 6107780.9/69

In: 4362.197+/-0.504 χ^2/NDF:3476240.0/55

Out: 4118.448+/-0.475 χ^2/NDF:5901113.1/61

All: 4233.052+/-0.346 χ^2/NDF: 9501193.8/11



Right In: -470.446+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

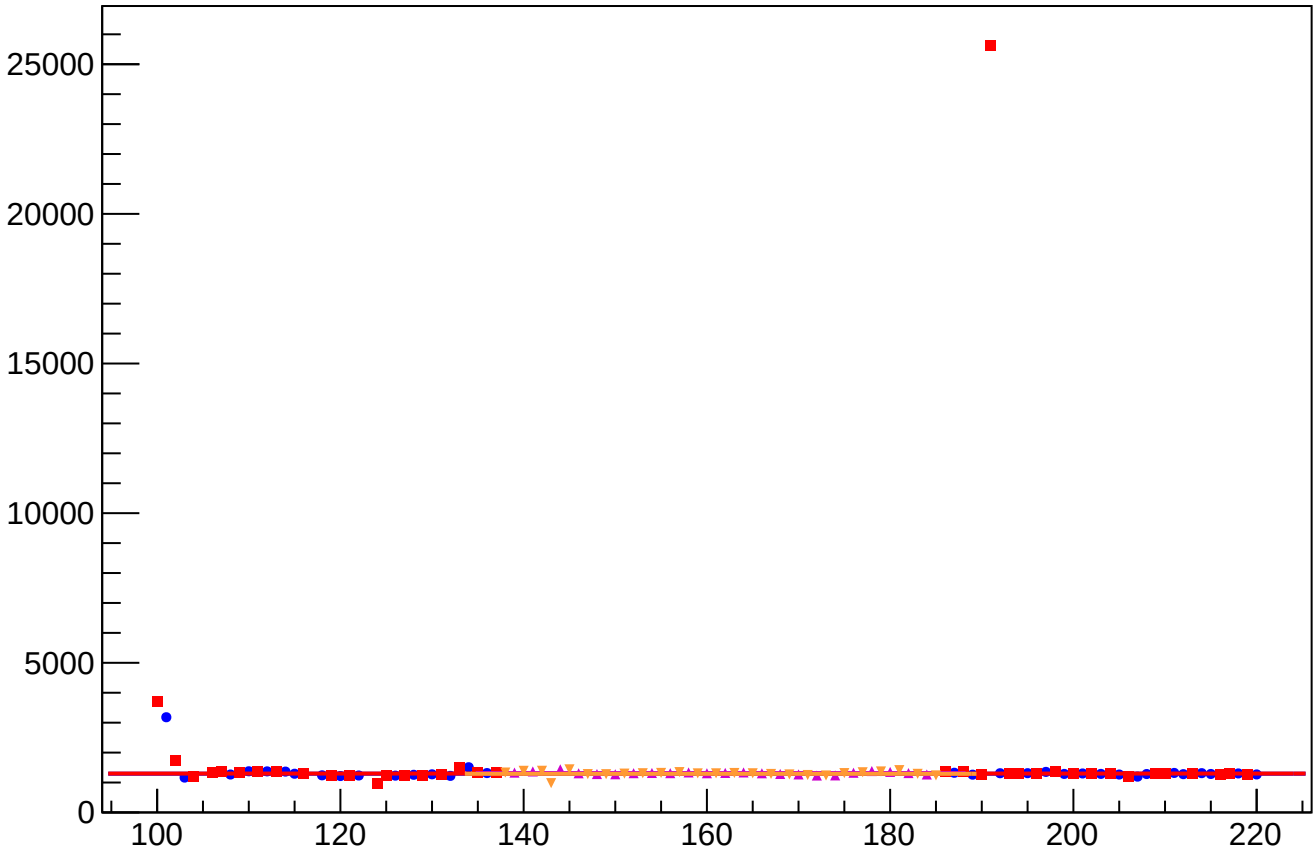
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -268.475+/-200.799 χ^2/NDF: 63.8/69

In: -485.706+/-208.446 χ^2/NDF:45.1/55

Out: 191.435+/-204.373 χ^2/NDF:81.0/61

All: -140.455+/-145.932 χ^2/NDF: 131.4/117



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.5/32

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

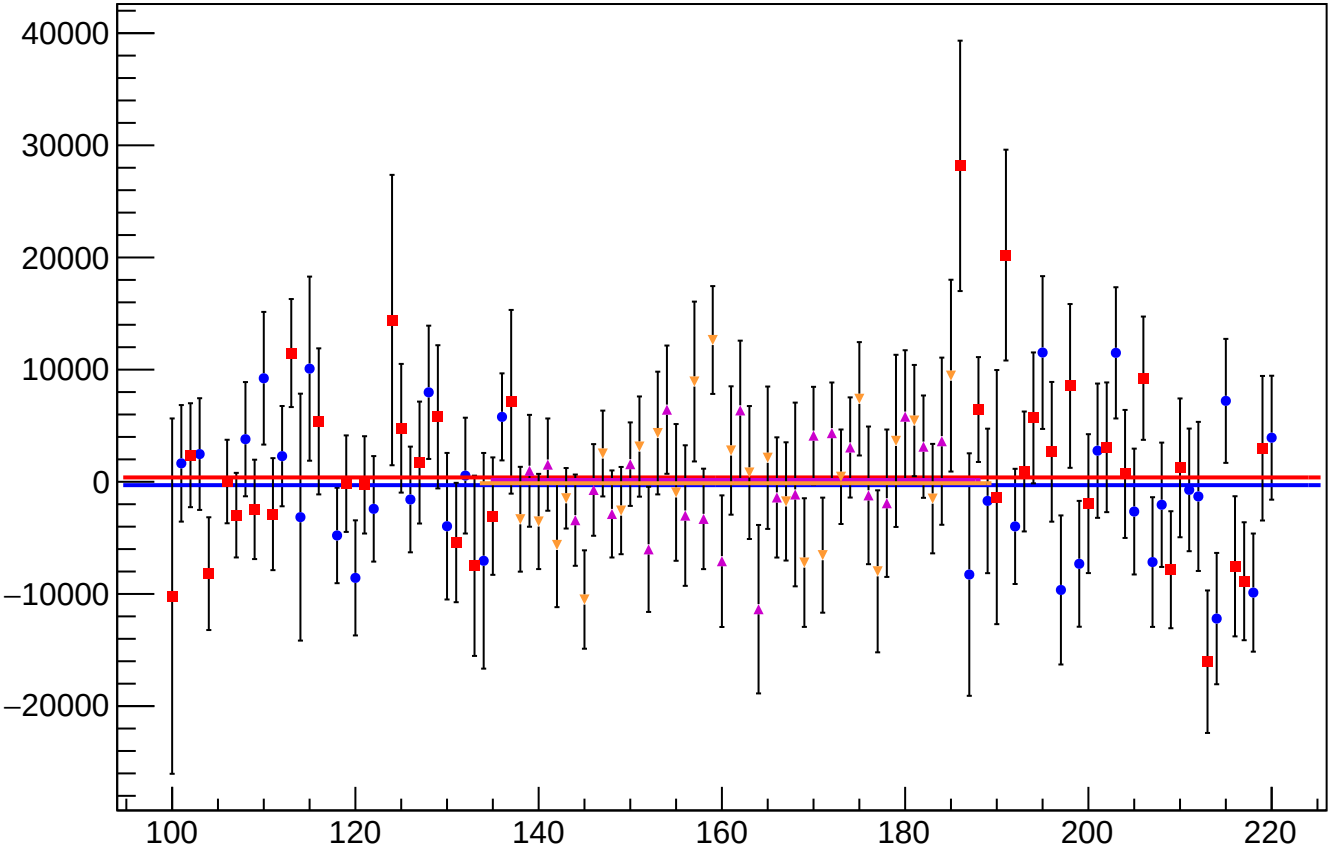
Right: 1296.826+/-0.142 χ^2/NDF: 910720.8/69

In: 1303.278+/-0.147 χ^2/NDF:578495.2/55

Out: 1295.527+/-0.144 χ^2/NDF:611002.7/61

All: 1299.326+/-0.103 χ^2/NDF: 1190908.0/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -299.966+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

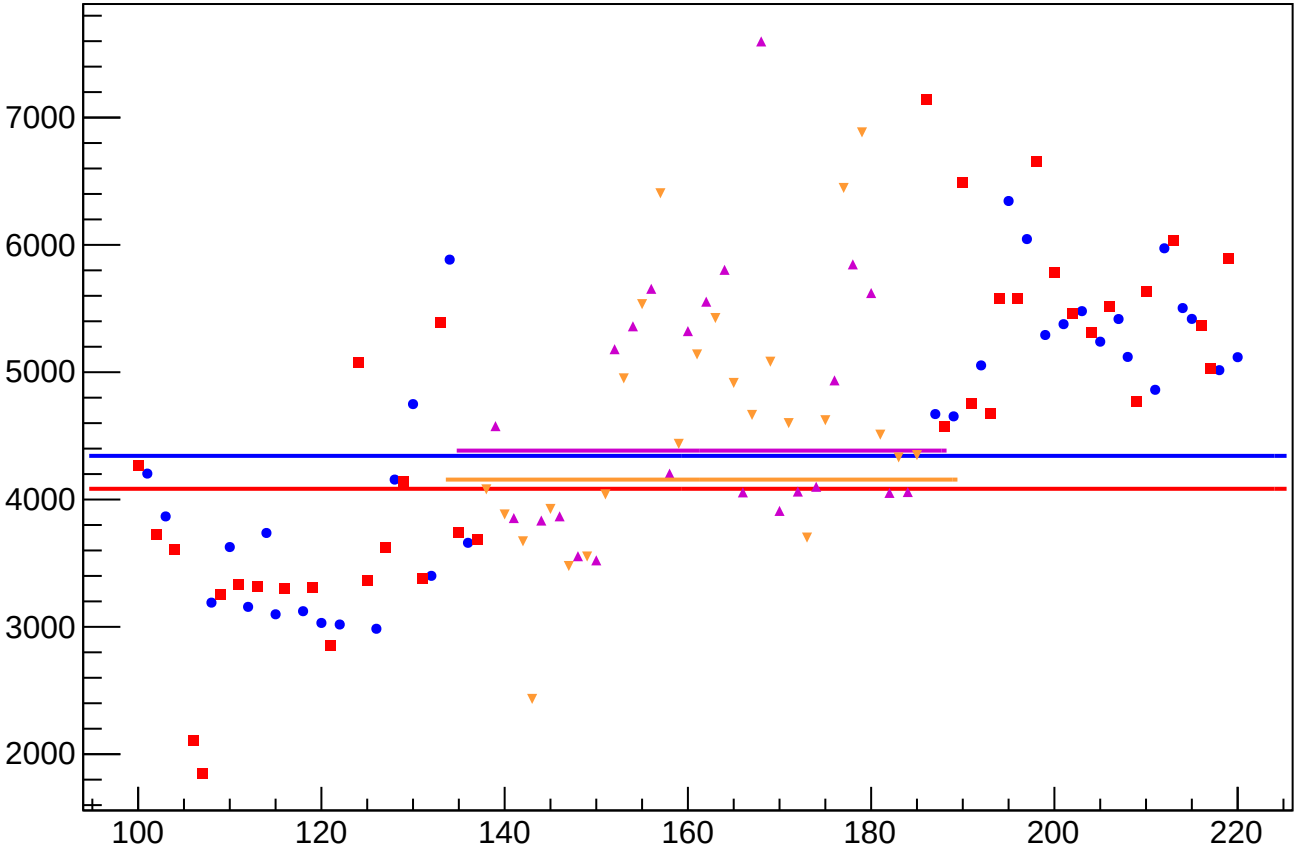
Right: 63.064+/-670.901 χ^2/NDF: 87.2/69

In: -86.298+/-713.007 χ^2/NDF:52.4/55

Out: 145.475+/-671.666 χ^2/NDF:77.2/61

All: 36.502+/-488.902 χ^2/NDF: 129.6/117

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4342.955+/-0.689 χ^2/NDF: 2219134.0/32

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

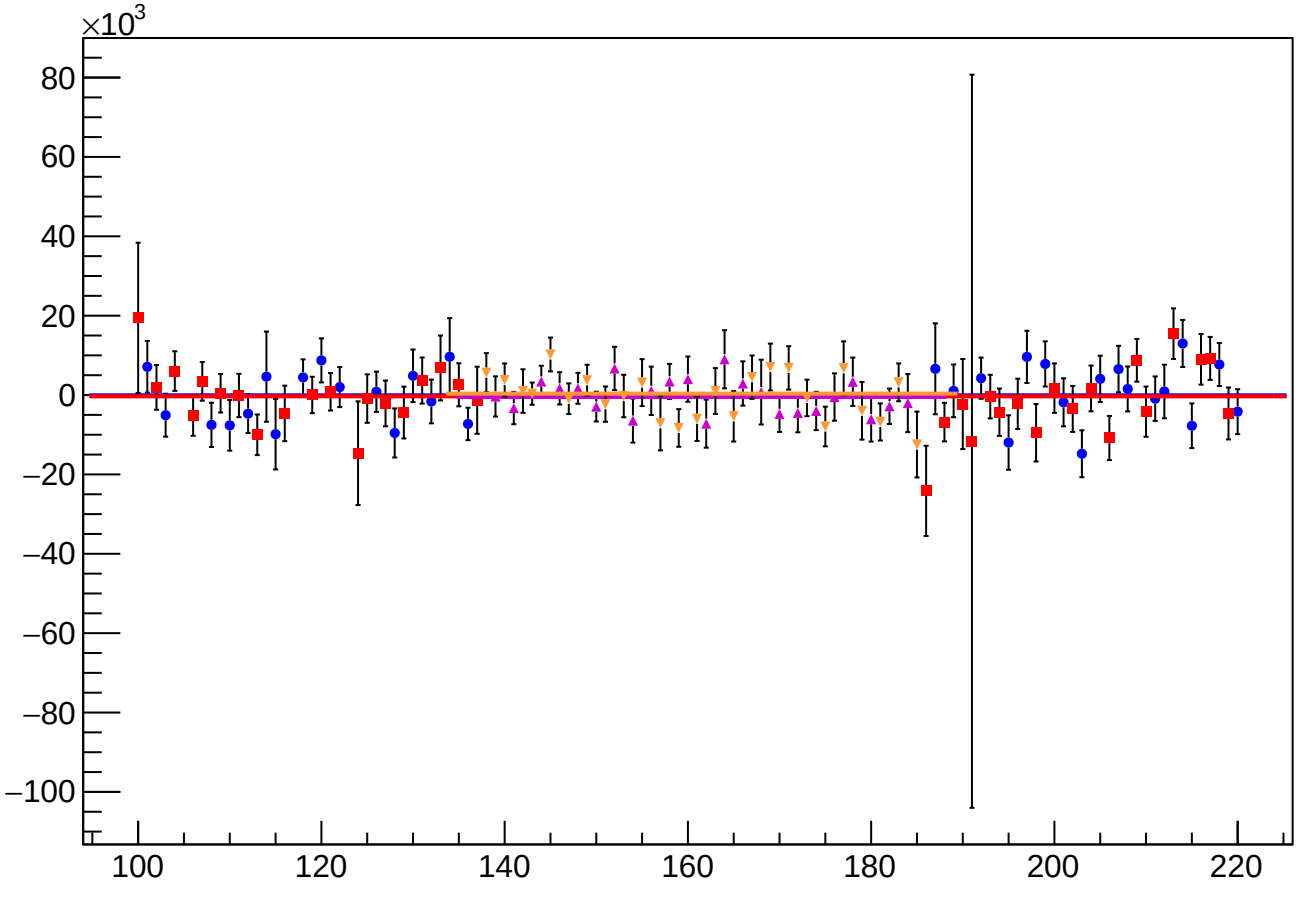
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4206.800+/-0.474 χ^2/NDF: 6107859.3/69

In: 4362.198+/-0.504 χ^2/NDF:3476284.4/55

Out: 4118.448+/-0.475 χ^2/NDF:5901156.3/61

All: 4233.052+/-0.346 χ^2/NDF: 9501282.0/11



Right In: -68.894+/-1023.233 χ^2/NDF: 44.0/32

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -330.825+/-996.314 χ^2/NDF: 39.1/36

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

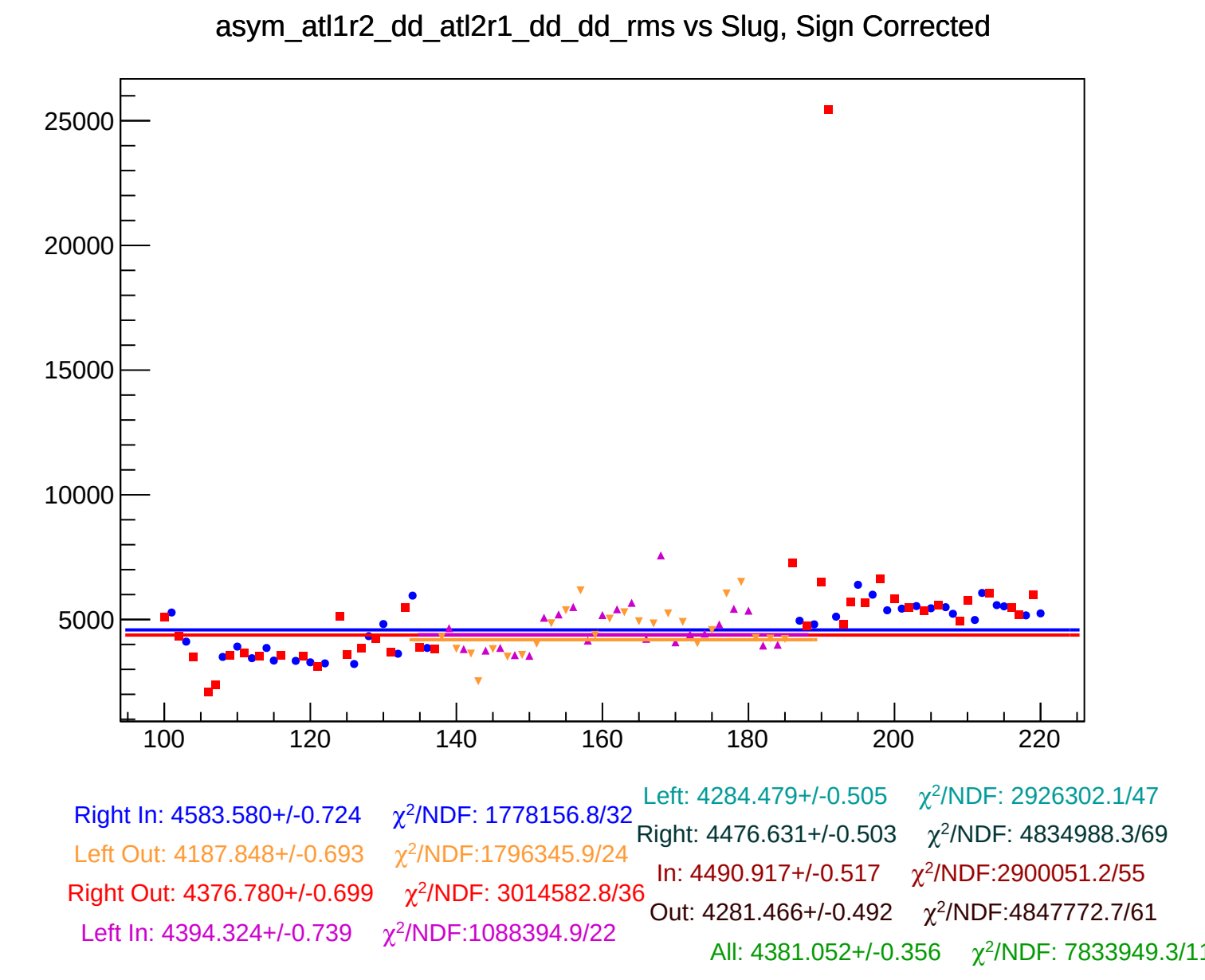
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -203.350+/-713.827 χ^2/NDF: 83.1/69

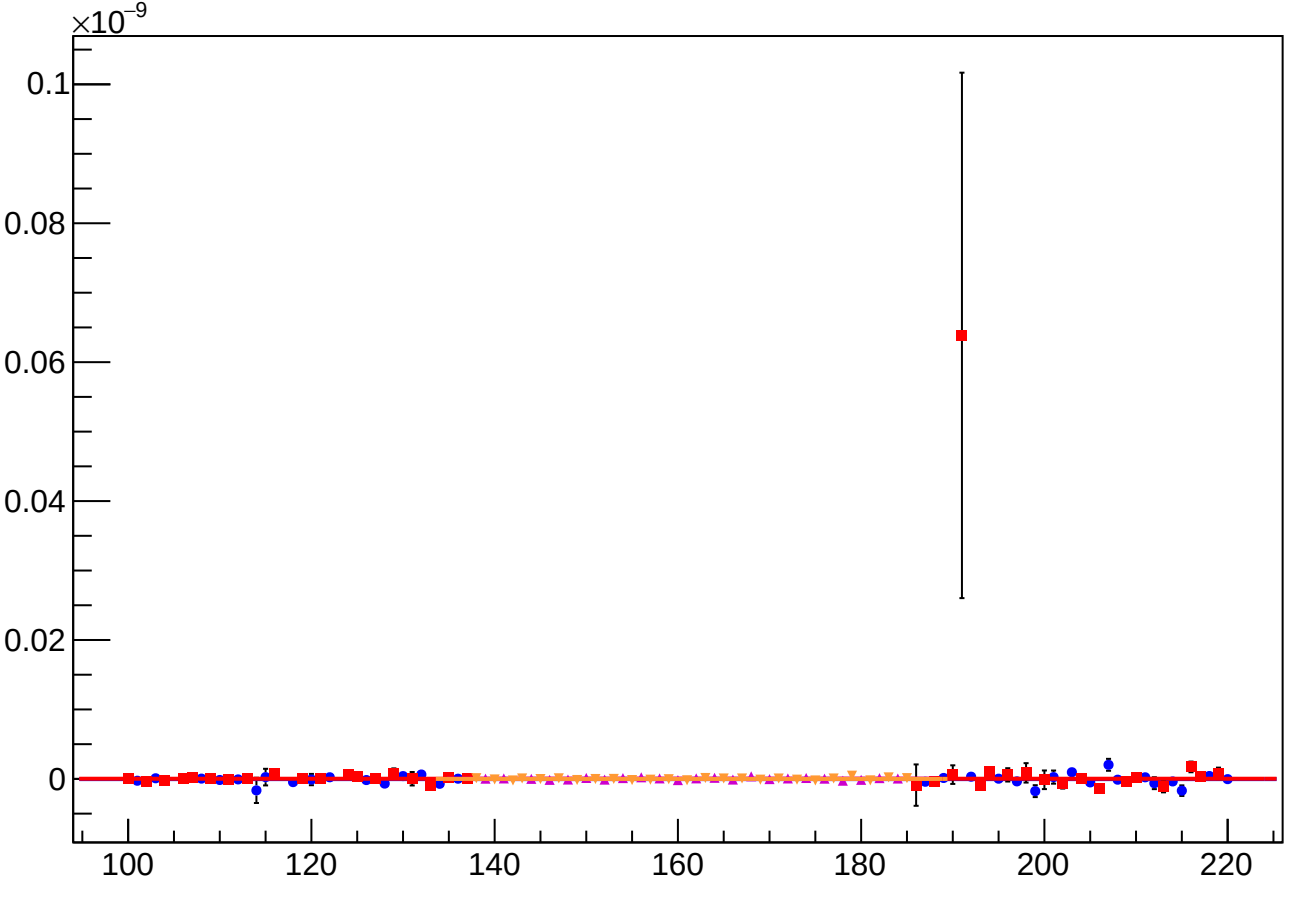
In: -278.757+/-731.009 χ^2/NDF:57.9/55

Out: 21.624+/-698.611 χ^2/NDF:67.0/61

All: -121.763+/-505.057 χ^2/NDF: 125.0/117


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4583.580+/-0.724 χ²/NDF: 1778156.8/32
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4376.780+/-0.699 χ²/NDF: 3014582.8/36
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4476.631+/-0.503 χ²/NDF: 4834988.3/69
In: 4490.917+/-0.517 χ²/NDF:2900051.2/55
Out: 4281.466+/-0.492 χ²/NDF:4847772.7/61
All: 4381.052+/-0.356 χ²/NDF: 7833949.3/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

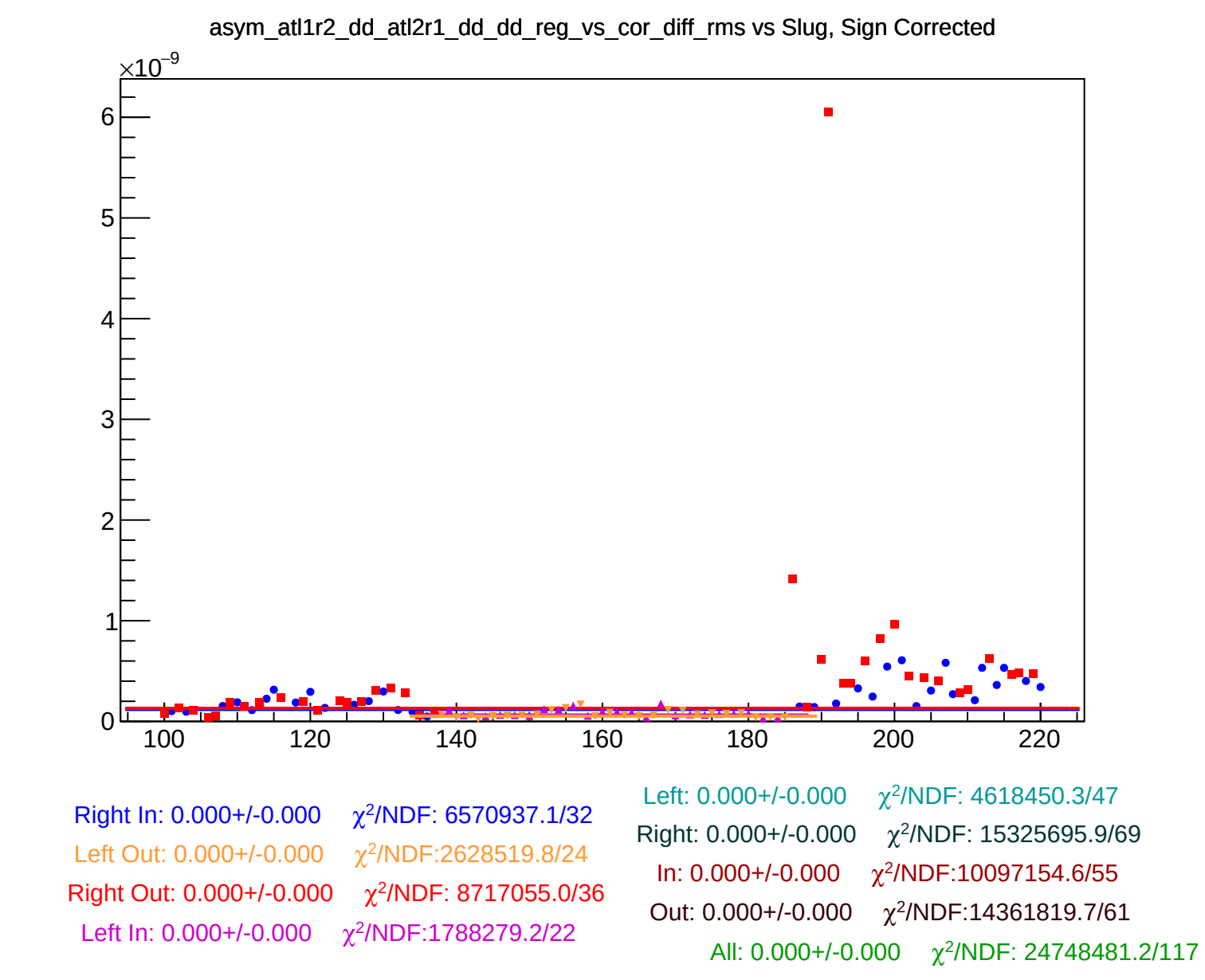
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 82.7/69

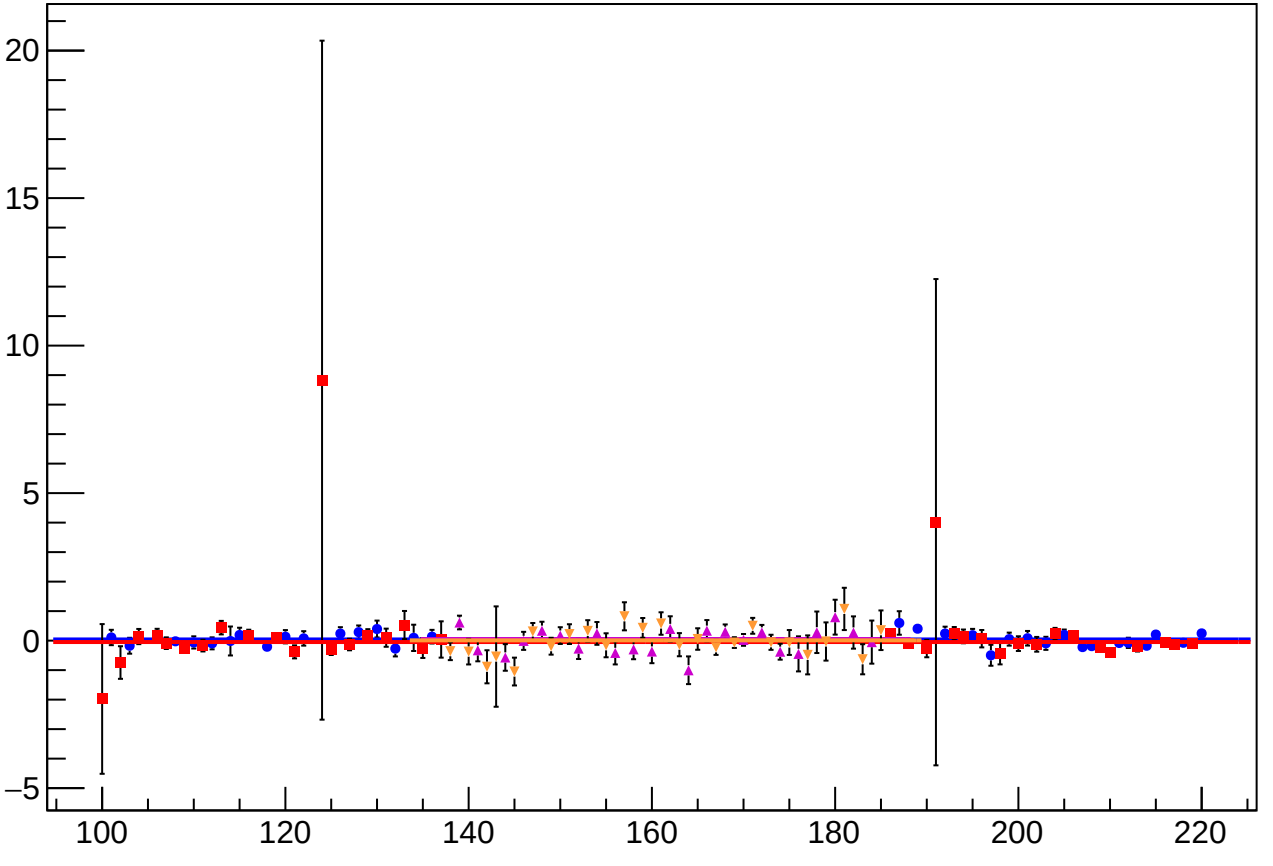
In: 0.000+/-0.000 χ^2/NDF:58.6/55

Out: -0.000+/-0.000 χ^2/NDF:72.1/61

All: 0.000+/-0.000 χ^2/NDF: 130.8/117


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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6570937.1/32
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8717055.0/36
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: 15325695.9/69
In: 0.000+/-0.000 χ²/NDF:10097154.6/55
Out: 0.000+/-0.000 χ²/NDF:14361819.7/61
All: 0.000+/-0.000 χ²/NDF: 24748481.2/117

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

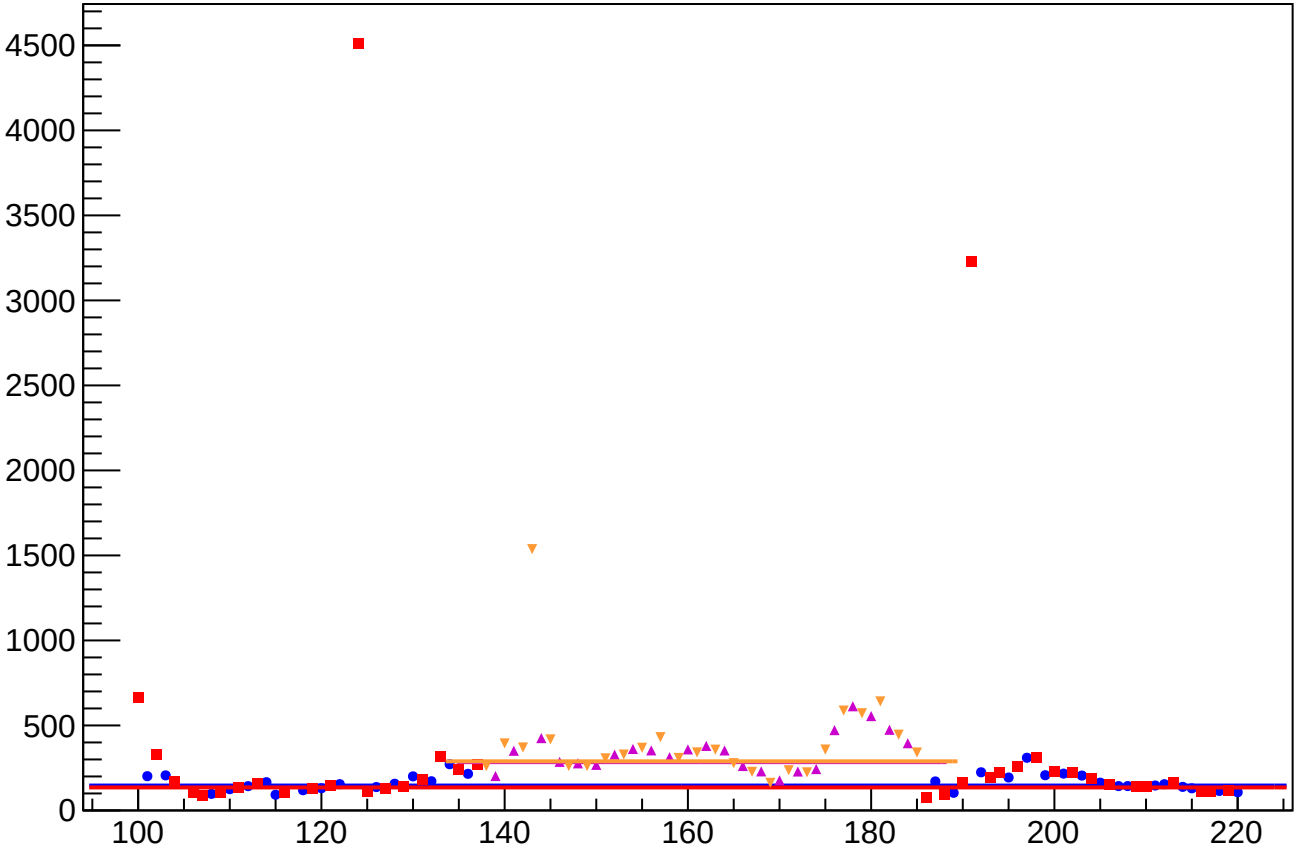
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

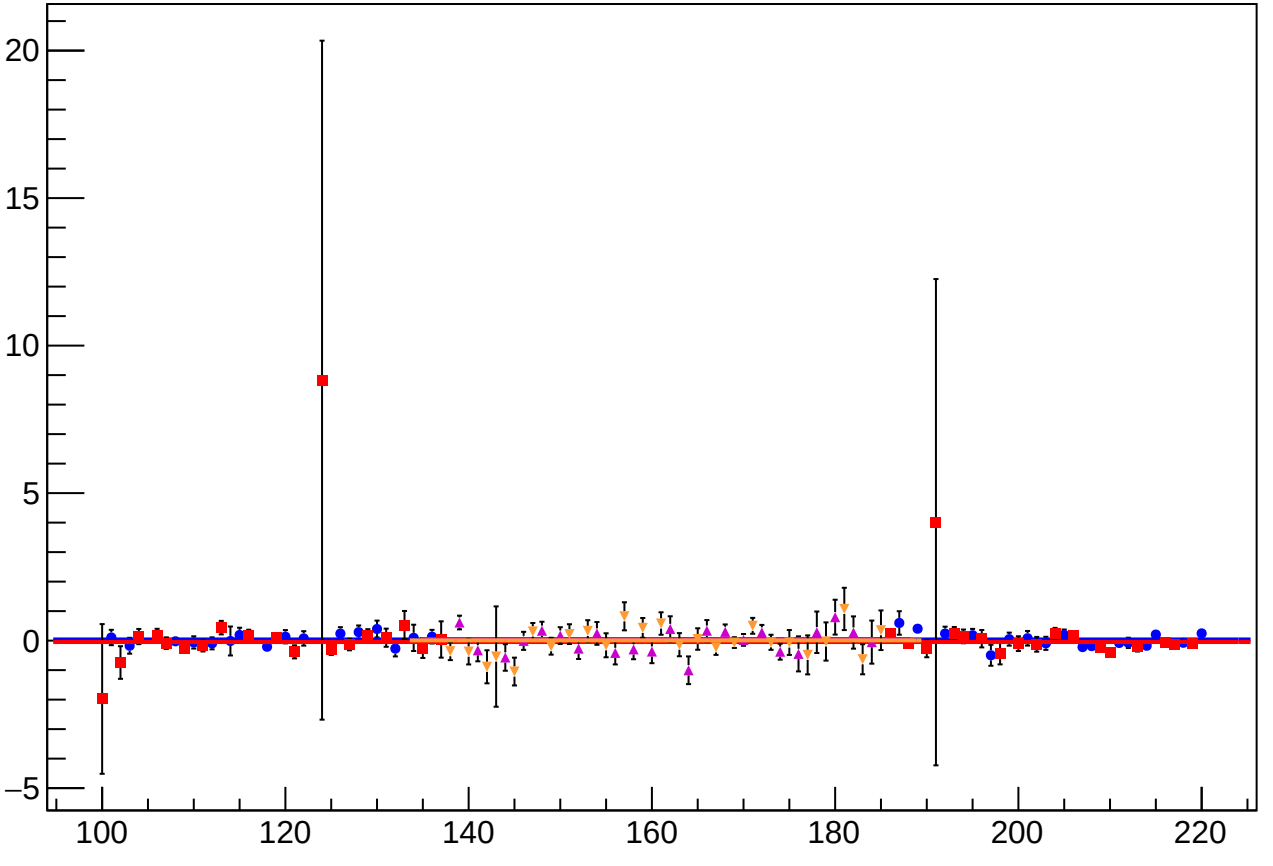
Right: 140.630+/-0.016 χ^2/NDF: 7831323.4/69

In: 172.145+/-0.022 χ^2/NDF:12085358.3/55

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

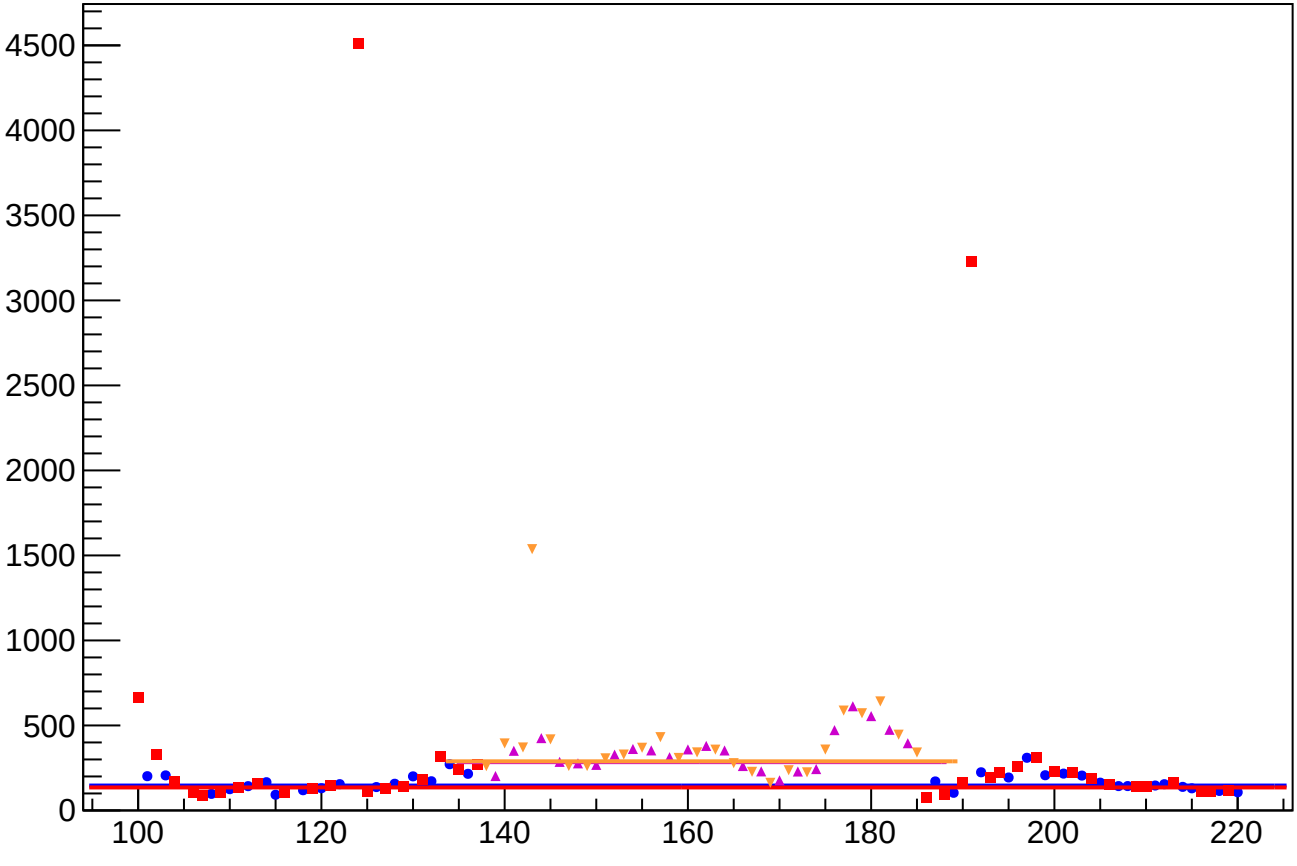
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

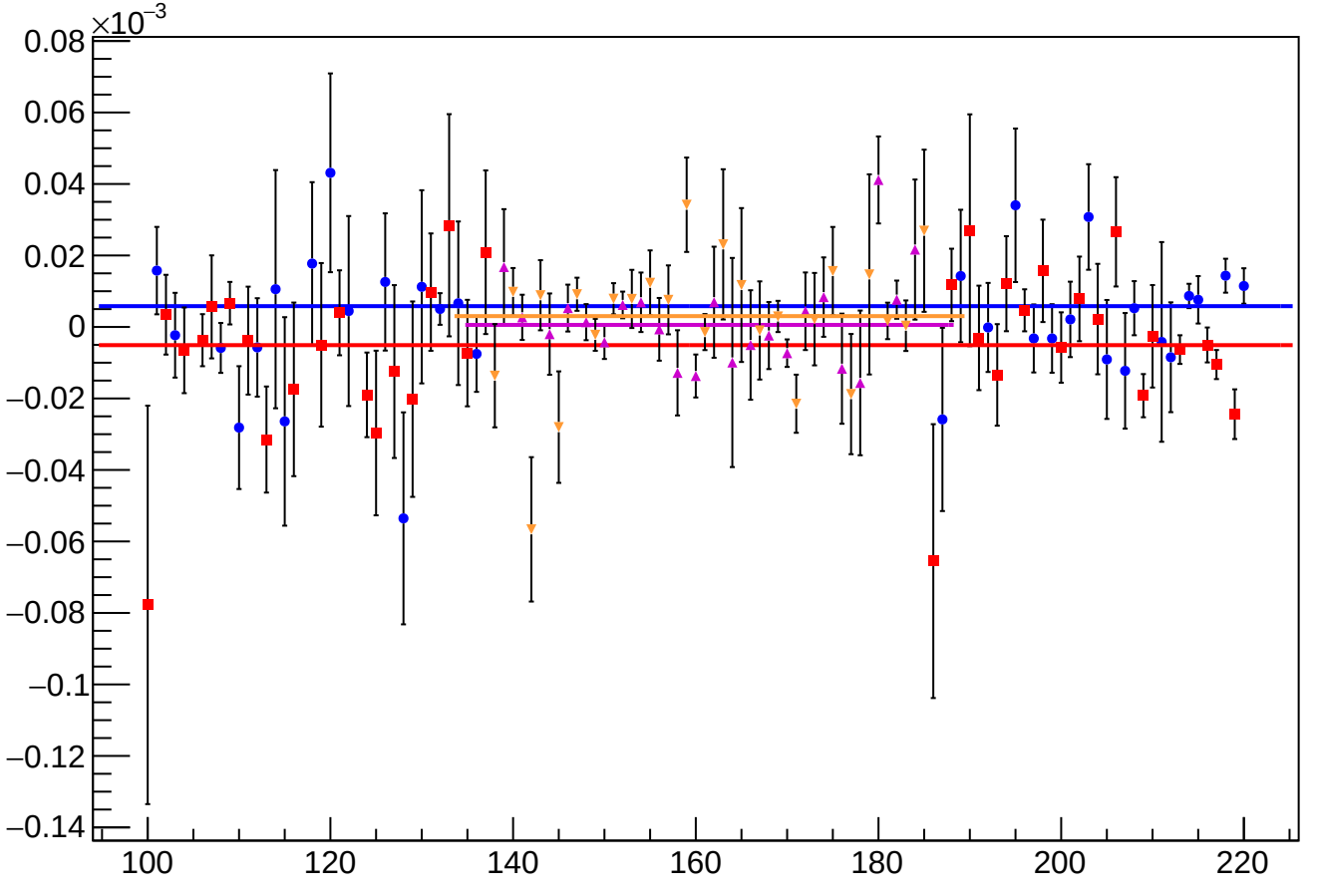
Right: 140.630+/-0.016 χ^2/NDF: 7831323.4/69

In: 172.145+/-0.022 χ^2/NDF:12085358.3/55

Out: 161.411+/-0.021 χ^2/NDF:17347728.5/61

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

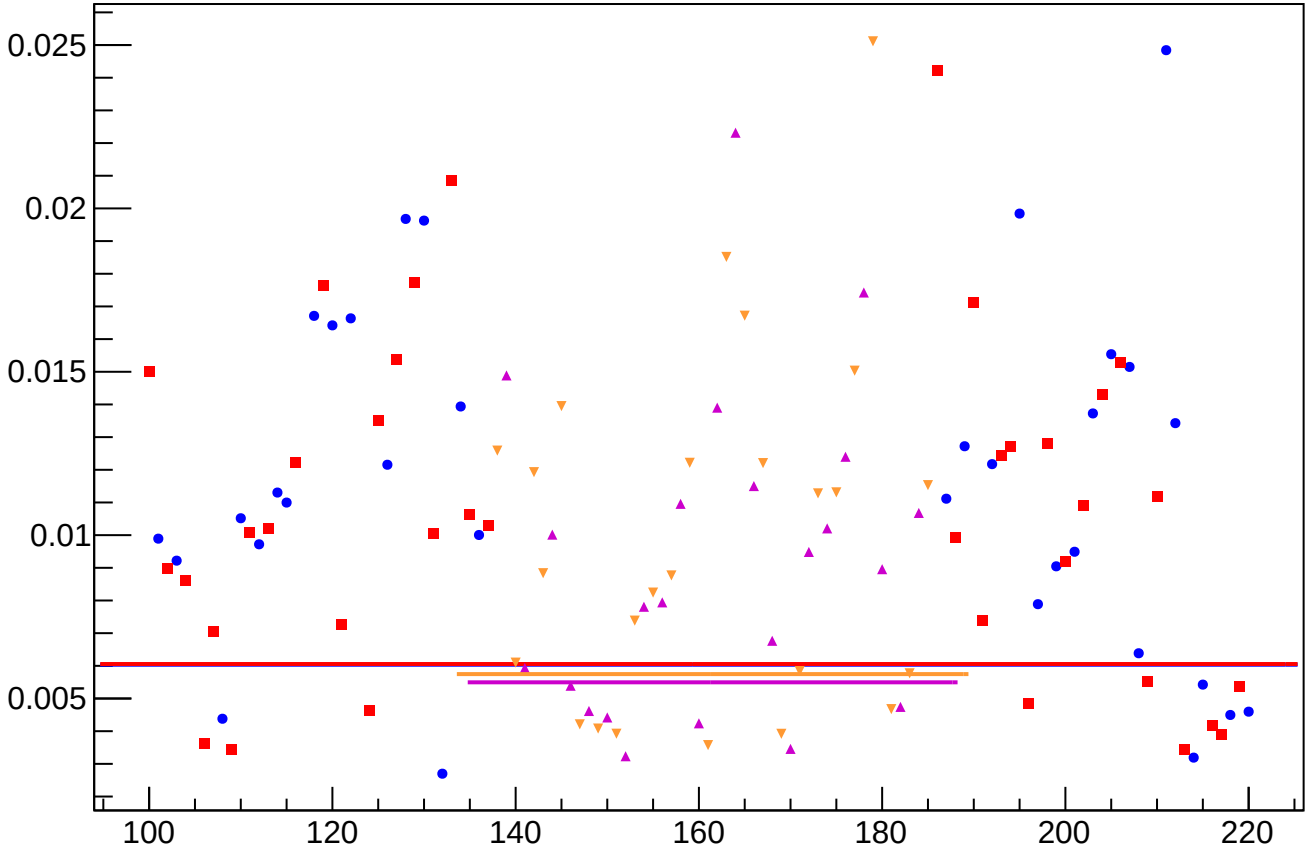
Right: 0.000+/-0.000 χ^2/NDF: 109.3/69

In: 0.000+/-0.000 χ^2/NDF:73.3/55

Out: -0.000+/-0.000 χ^2/NDF:107.1/61

All: 0.000+/-0.000 χ^2/NDF: 187.1/117

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 11804534.2/32

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

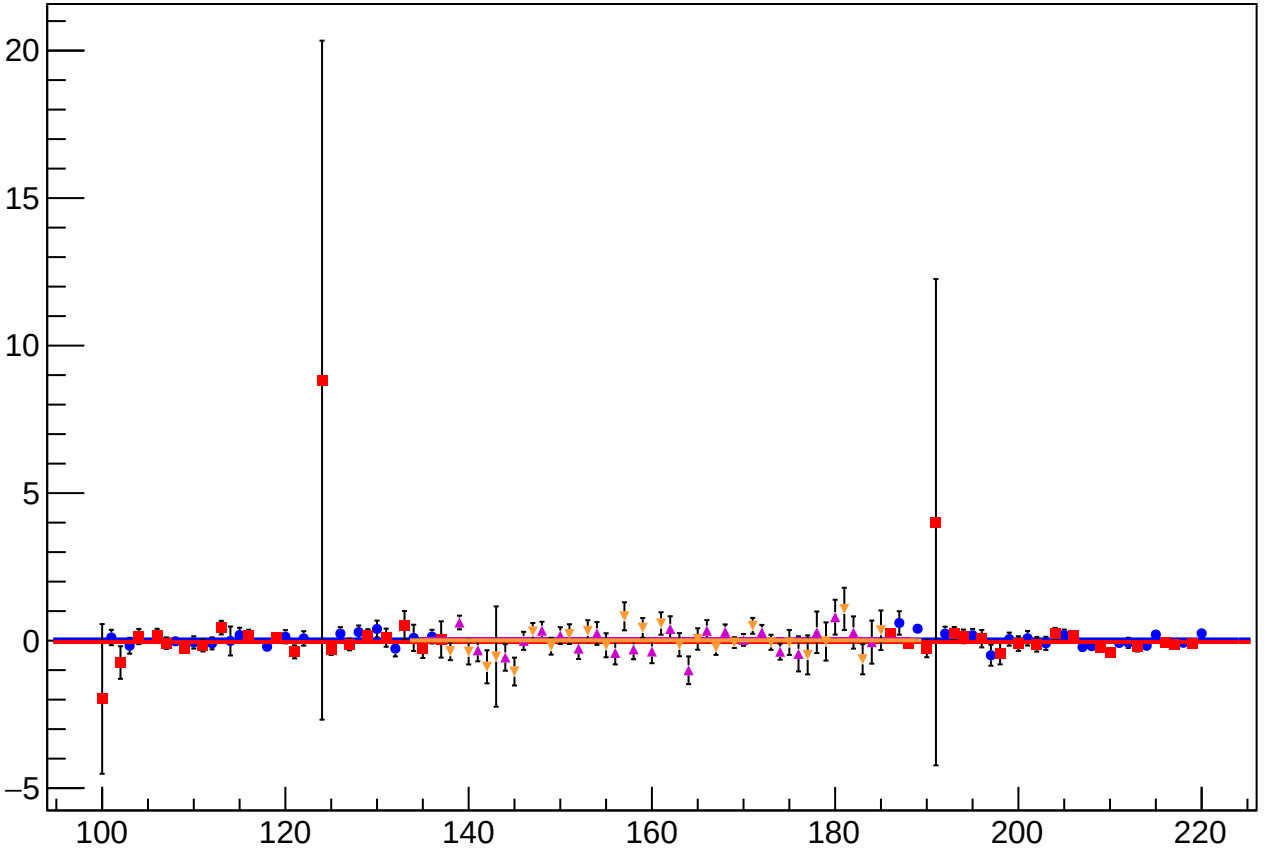
Right: 0.006+/-0.000 χ^2/NDF: 21672510.2/69

In: 0.006+/-0.000 χ^2/NDF:18861514.1/55

Out: 0.006+/-0.000 χ^2/NDF:18036488.4/61

All: 0.006+/-0.000 χ^2/NDF: 36916190.5/117

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

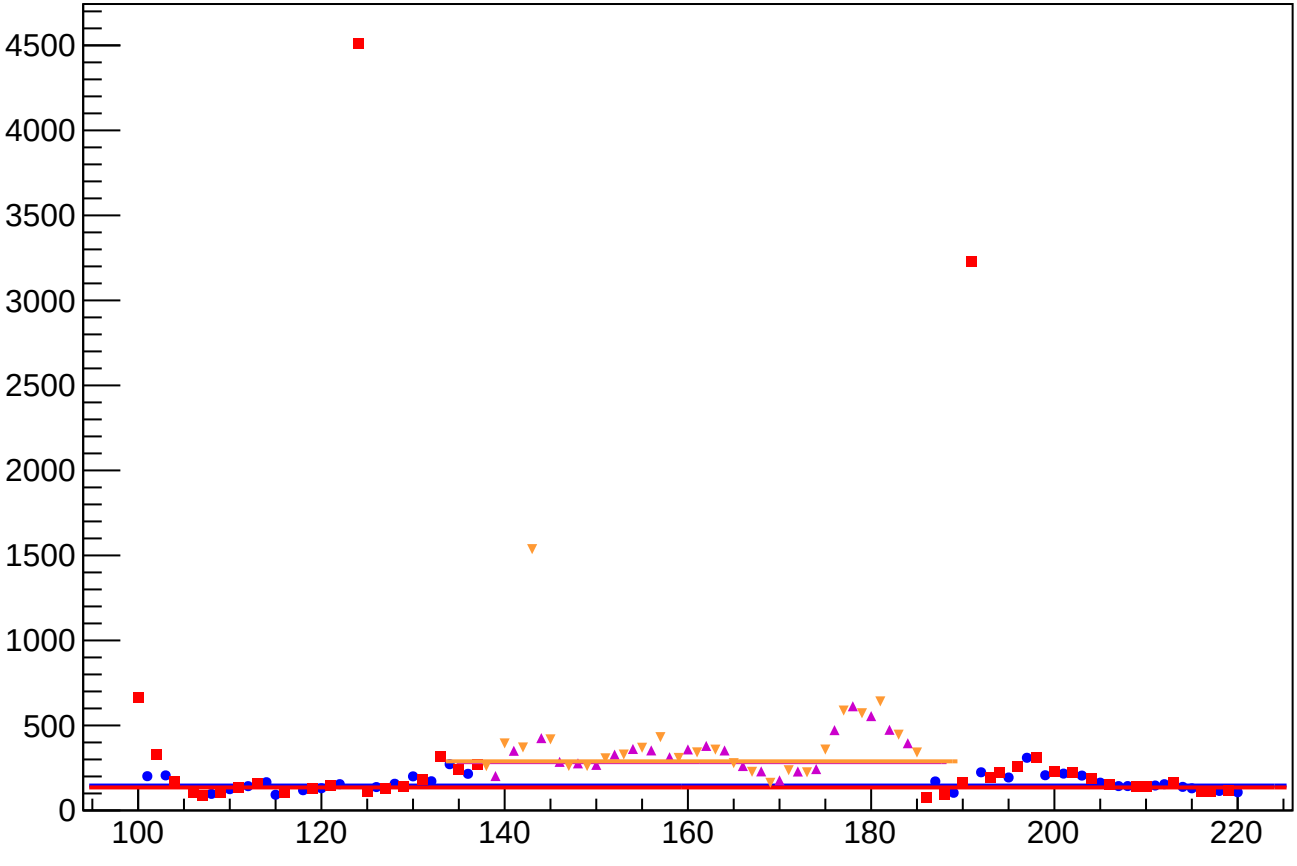
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

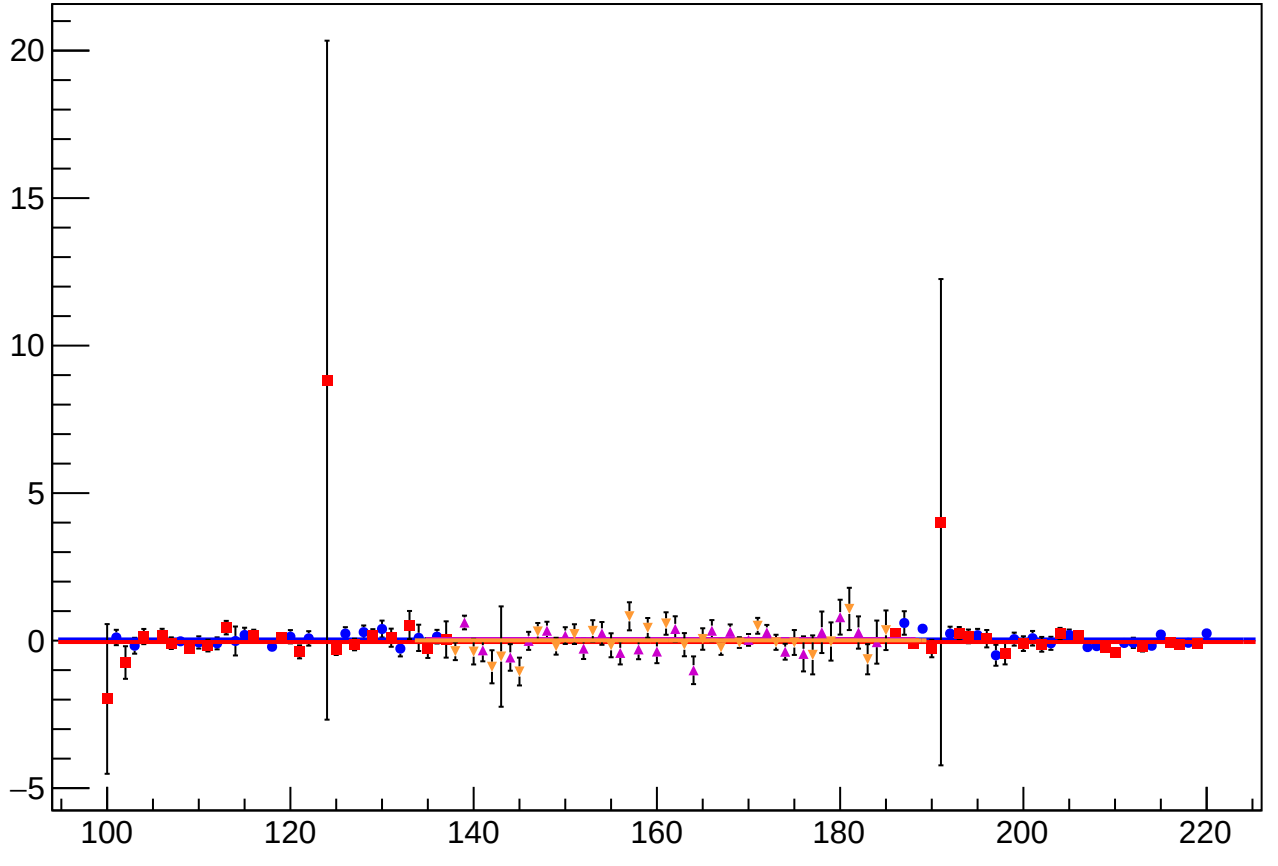
Right: 140.631+/-0.016 χ^2/NDF: 7831119.5/69

In: 172.146+/-0.022 χ^2/NDF:12085505.2/55

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

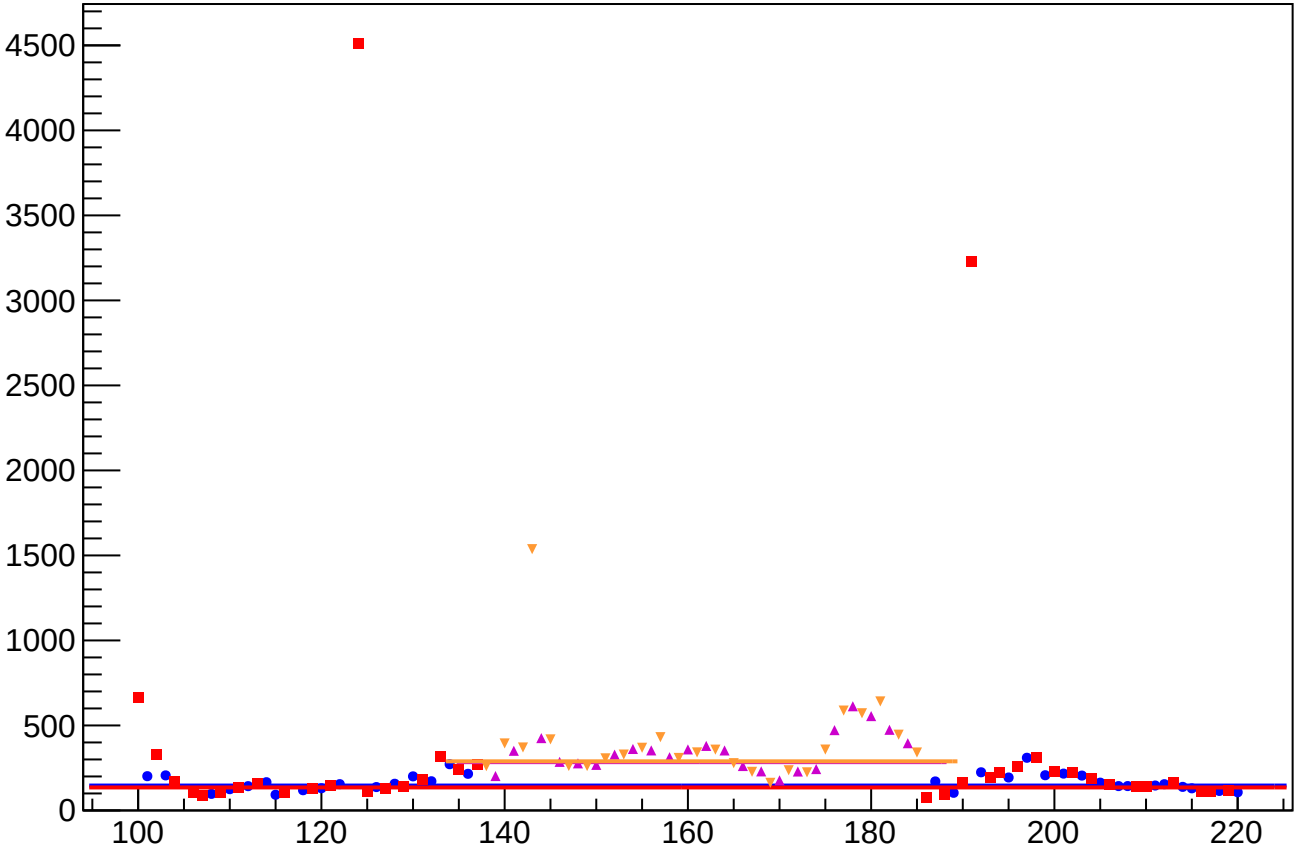
Right: -0.006+/-0.023 χ^2/NDF: 80.3/69

In: 0.042+/-0.030 χ^2/NDF:63.0/55

Out: -0.038+/-0.029 χ^2/NDF:71.0/61

All: 0.000+/-0.021 χ^2/NDF: 137.7/117

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

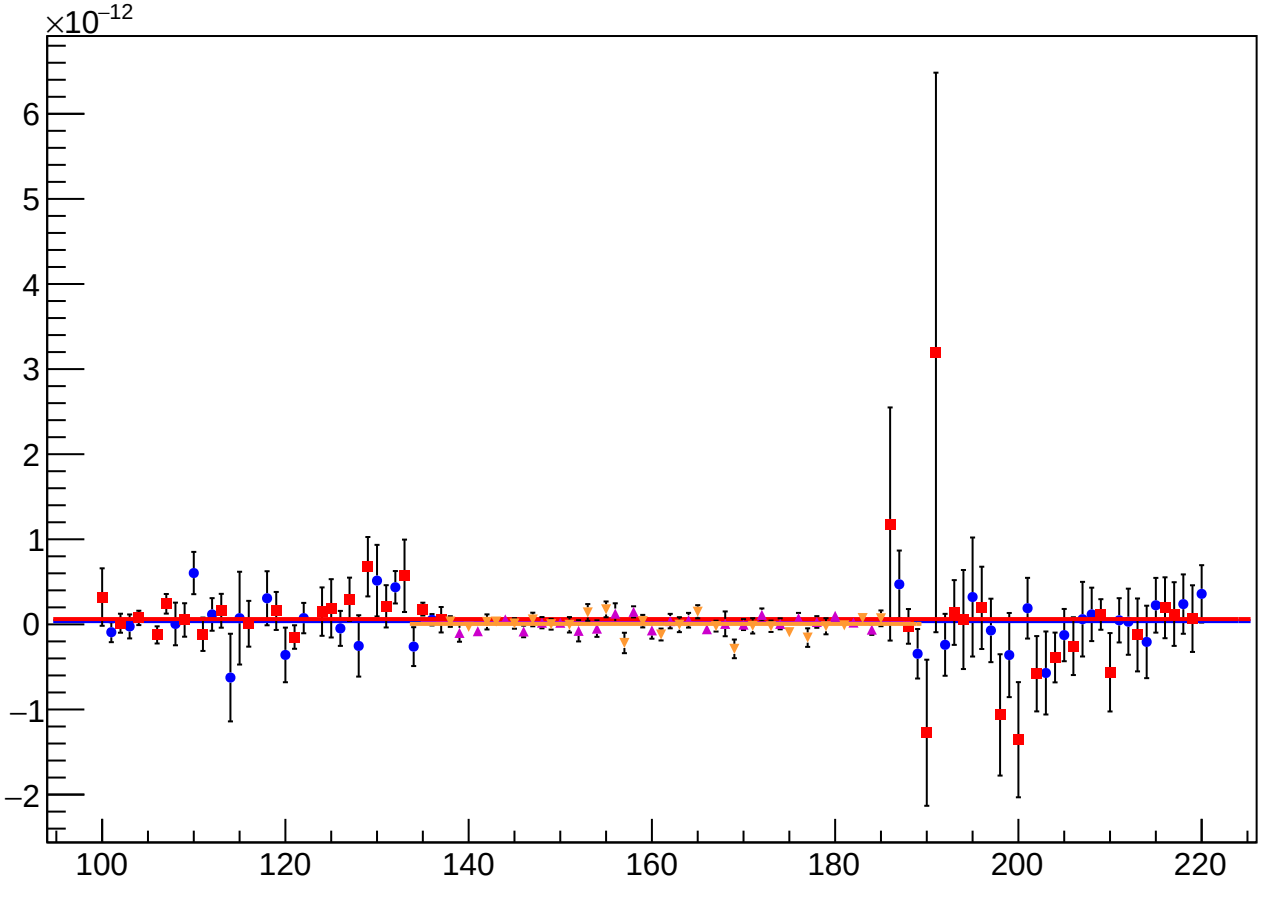
Right: 140.631+/-0.016 χ^2/NDF: 7831119.5/69

In: 172.146+/-0.022 χ^2/NDF:12085505.2/55

Out: 161.413+/-0.021 χ^2/NDF:17347503.1/61

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

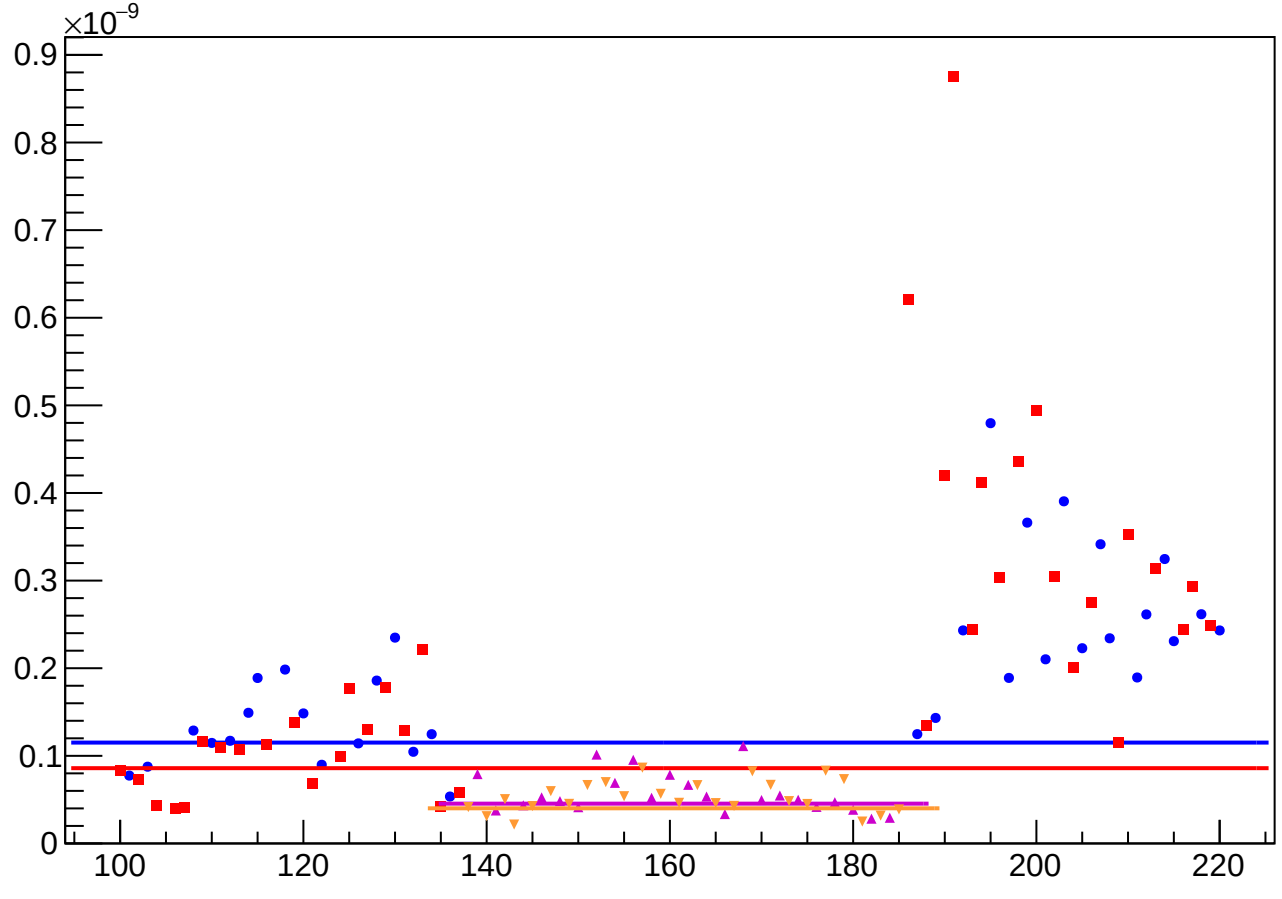
Right: 0.000+/-0.000 χ^2/NDF: 65.1/69

In: 0.000+/-0.000 χ^2/NDF:51.0/55

Out: 0.000+/-0.000 χ^2/NDF:74.4/61

All: 0.000+/-0.000 χ^2/NDF: 125.4/117

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: 7555894.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

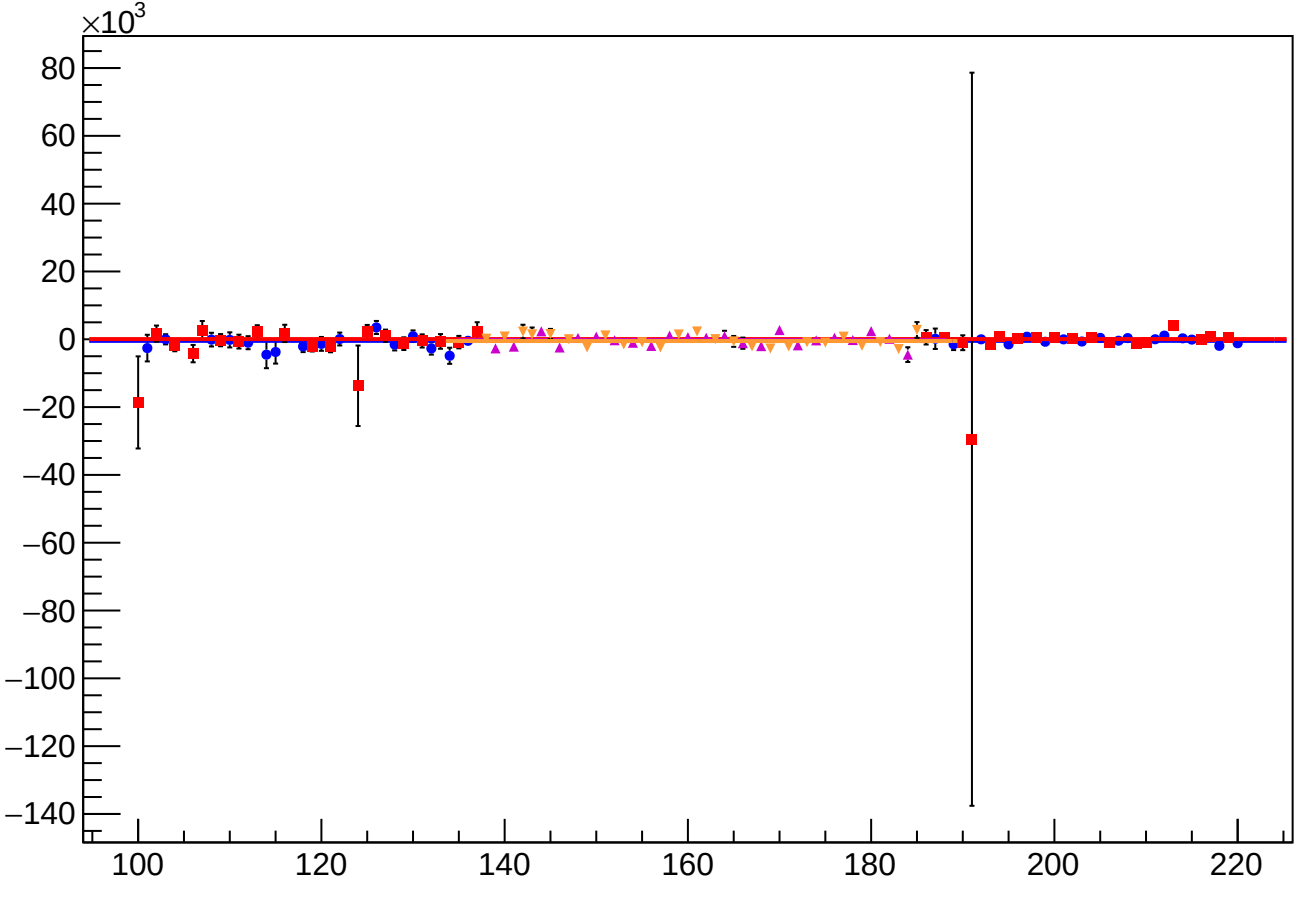
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18614914.4/69

In: 0.000+/-0.000 χ^2/NDF:16190510.1/55

Out: 0.000+/-0.000 χ^2/NDF:17587192.4/61

All: 0.000+/-0.000 χ^2/NDF: 34126819.7/117



Right In: -461.897+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 60.765+/-280.571 χ^2/NDF: 30.2/36

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

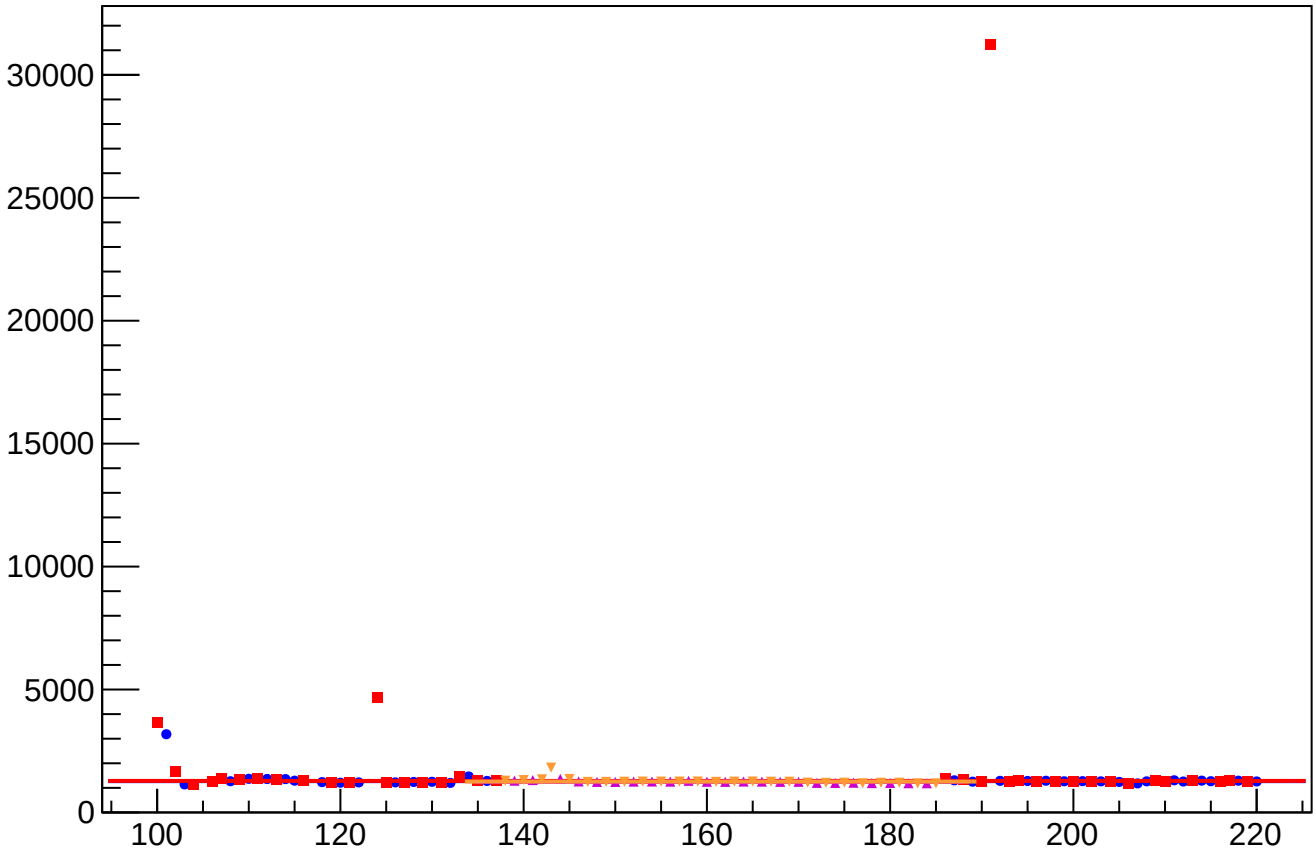
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -201.687+/-197.968 χ^2/NDF: 51.8/69

In: -356.821+/-201.586 χ^2/NDF:52.1/55

Out: -221.404+/-200.267 χ^2/NDF:63.2/61

All: -288.668+/-142.074 χ^2/NDF: 115.6/117



Right In: 1273.606+/-0.198 χ^2/NDF: 534706.4/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

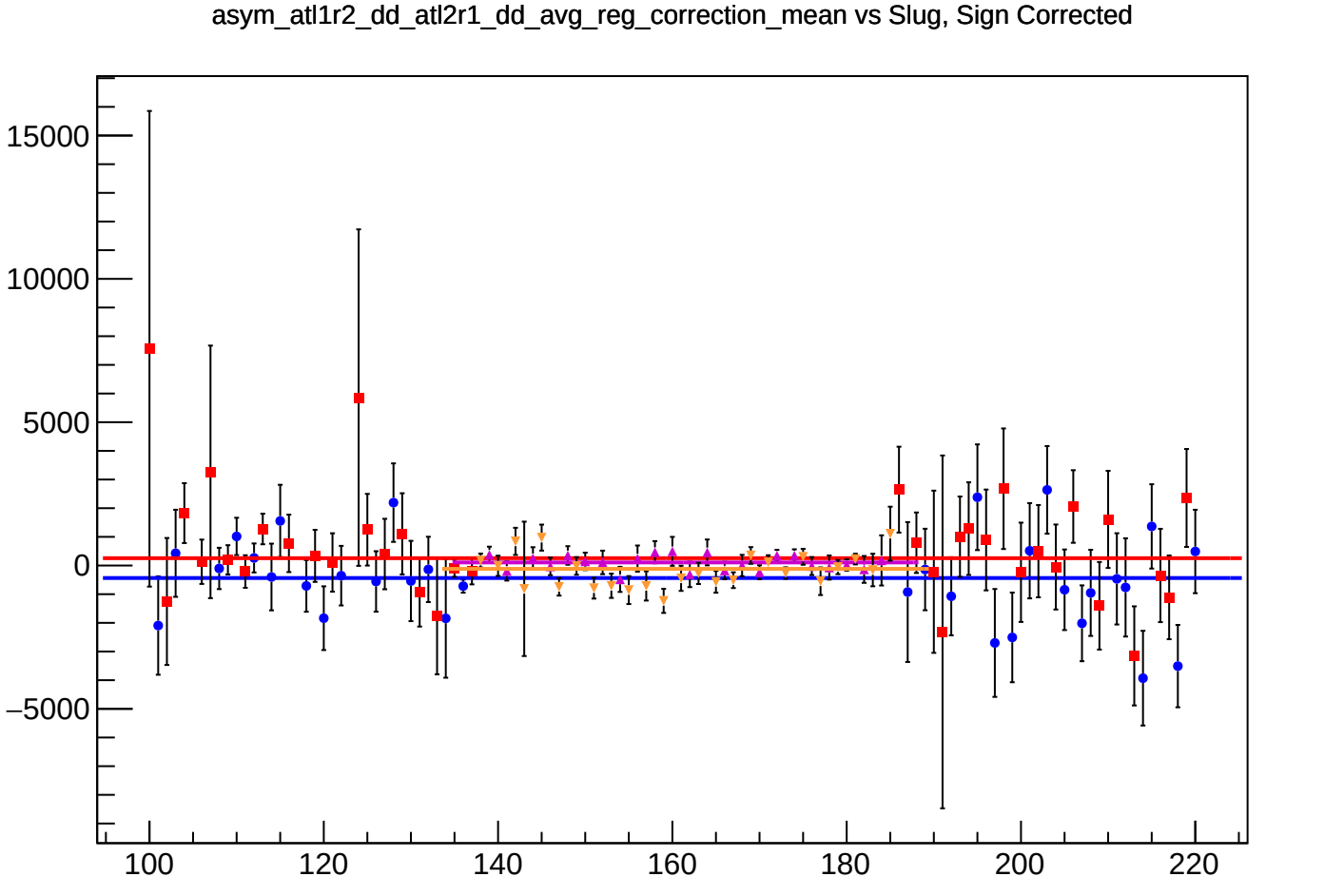
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.219+/-0.140 χ^2/NDF: 1044547.1/69

In: 1260.544+/-0.143 χ^2/NDF:583685.7/55

Out: 1269.452+/-0.142 χ^2/NDF:721196.4/61

All: 1265.027+/-0.100 χ^2/NDF: 1306847.6/11



Right In: -435.722+/-153.635 χ^2/NDF: 41.1/32

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 256.088+/-154.653 χ^2/NDF: 30.4/36

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

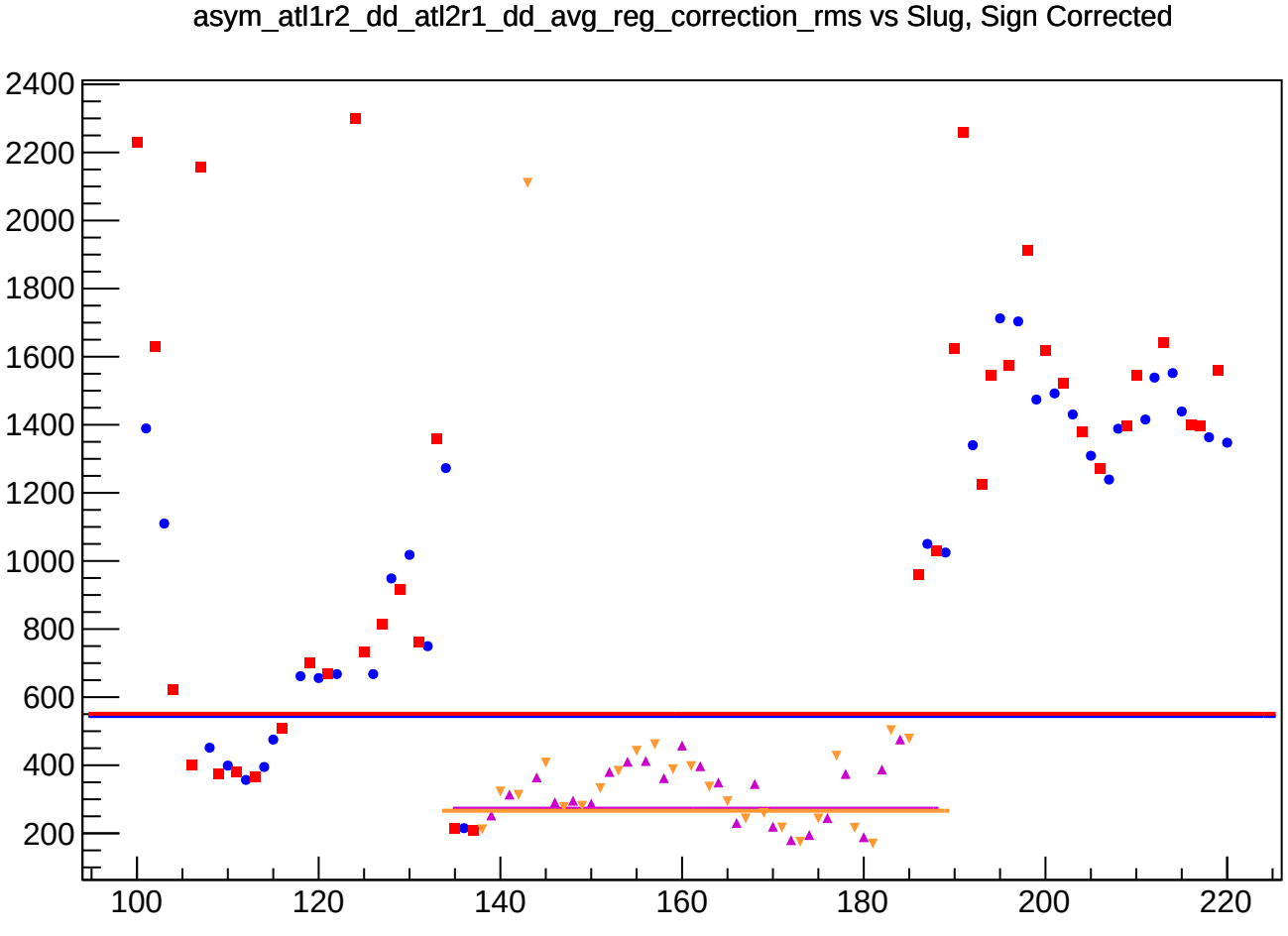
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -92.100+/-108.994 χ^2/NDF: 81.6/69

In: 20.562+/-61.415 χ^2/NDF:65.4/55

Out: -60.926+/-59.969 χ^2/NDF:83.8/61

All: -21.153+/-42.906 χ^2/NDF: 150.0/117



Right In: 544.541+/-0.109 χ^2/NDF: 16555897.1/32

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 551.143+/-0.109 χ^2/NDF: 16516225.8/36

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

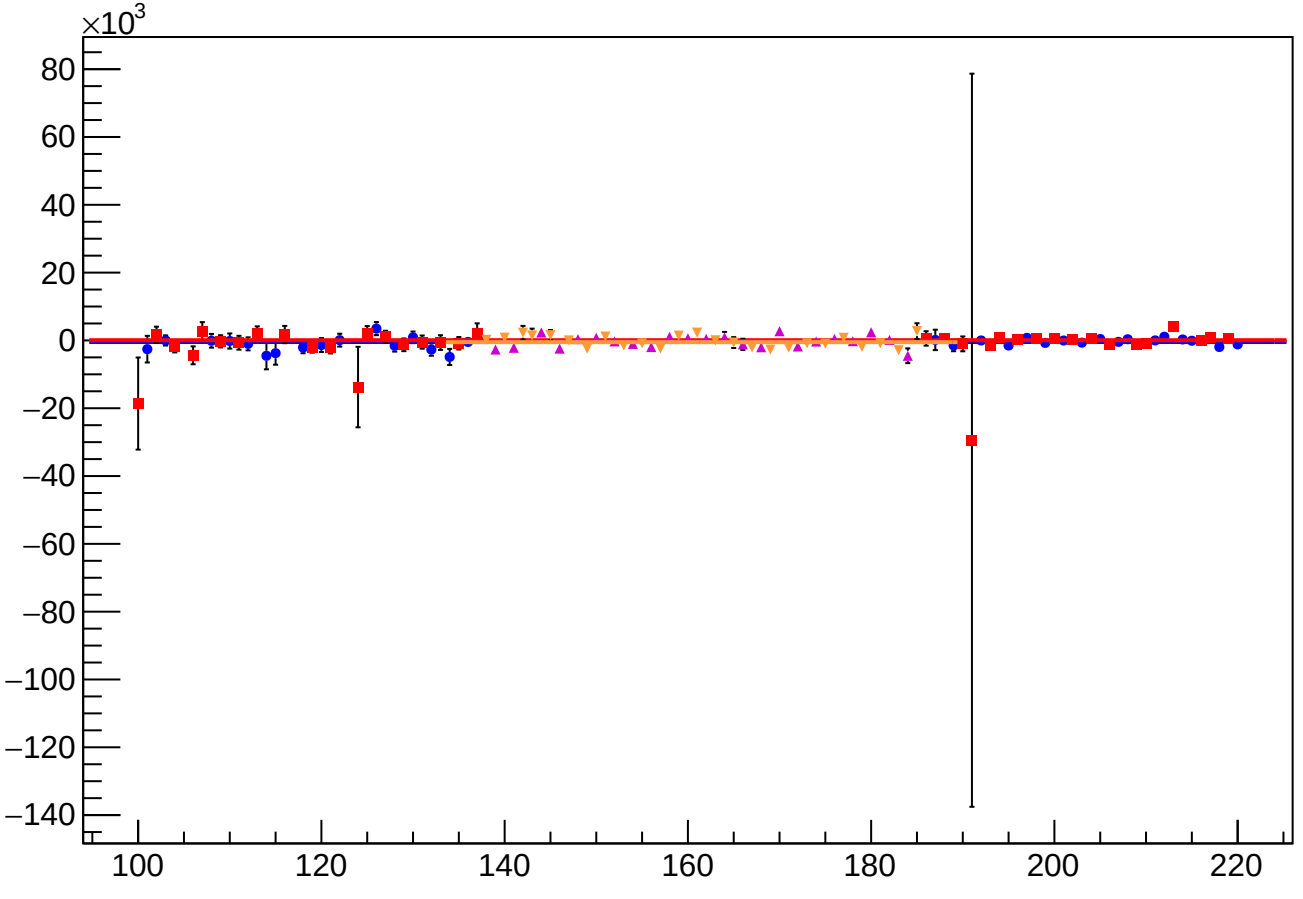
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 547.820+/-0.077 χ^2/NDF: 33073957.5/69

In: 315.860+/-0.043 χ^2/NDF:24717523.1/55

Out: 309.147+/-0.042 χ^2/NDF:26910020.6/61

All: 312.423+/-0.030 χ^2/NDF: 51639776.4/1



Right In: -461.752+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

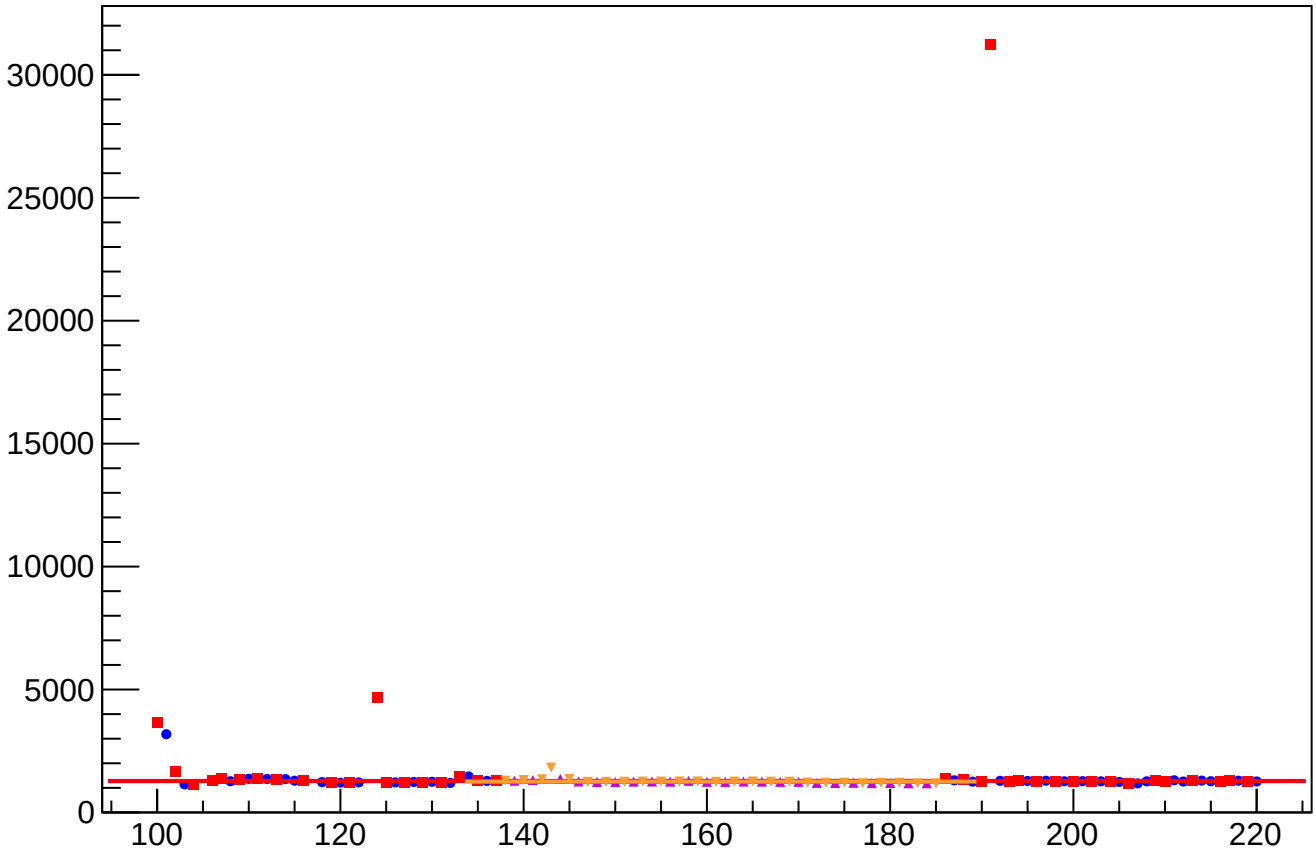
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -201.135+/-198.003 χ^2/NDF: 51.8/69

In: -356.735+/-201.586 χ^2/NDF:52.1/55

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -288.381+/-142.087 χ^2/NDF: 115.6/117



Right In: 1273.606+/-0.198 χ^2/NDF: 534707.8/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

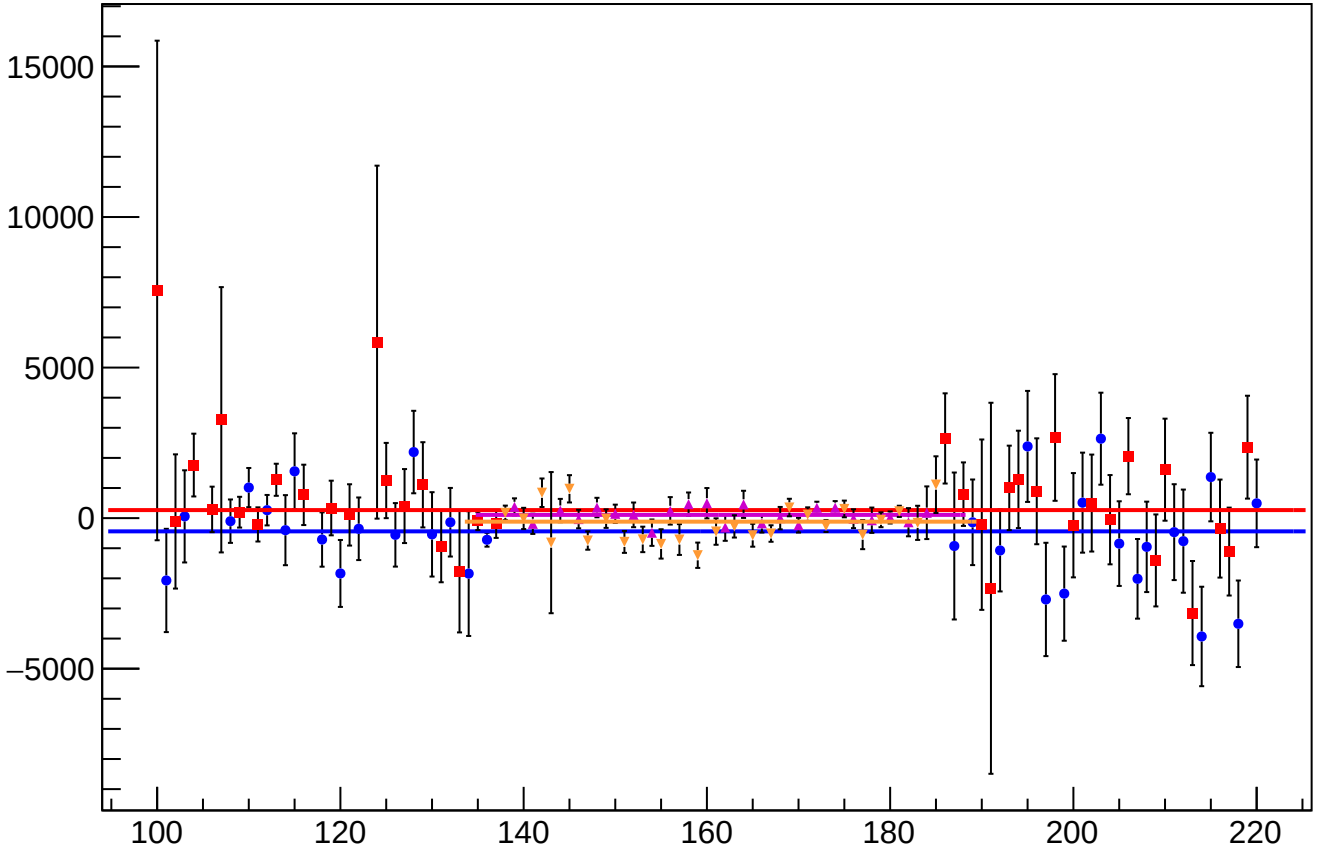
Right: 1278.453+/-0.140 χ^2/NDF: 1044664.6/69

In: 1260.544+/-0.143 χ^2/NDF:583687.0/55

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.145+/-0.100 χ^2/NDF: 1307278.4/11

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -439.450+/-153.650 χ^2/NDF: 40.9/32

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

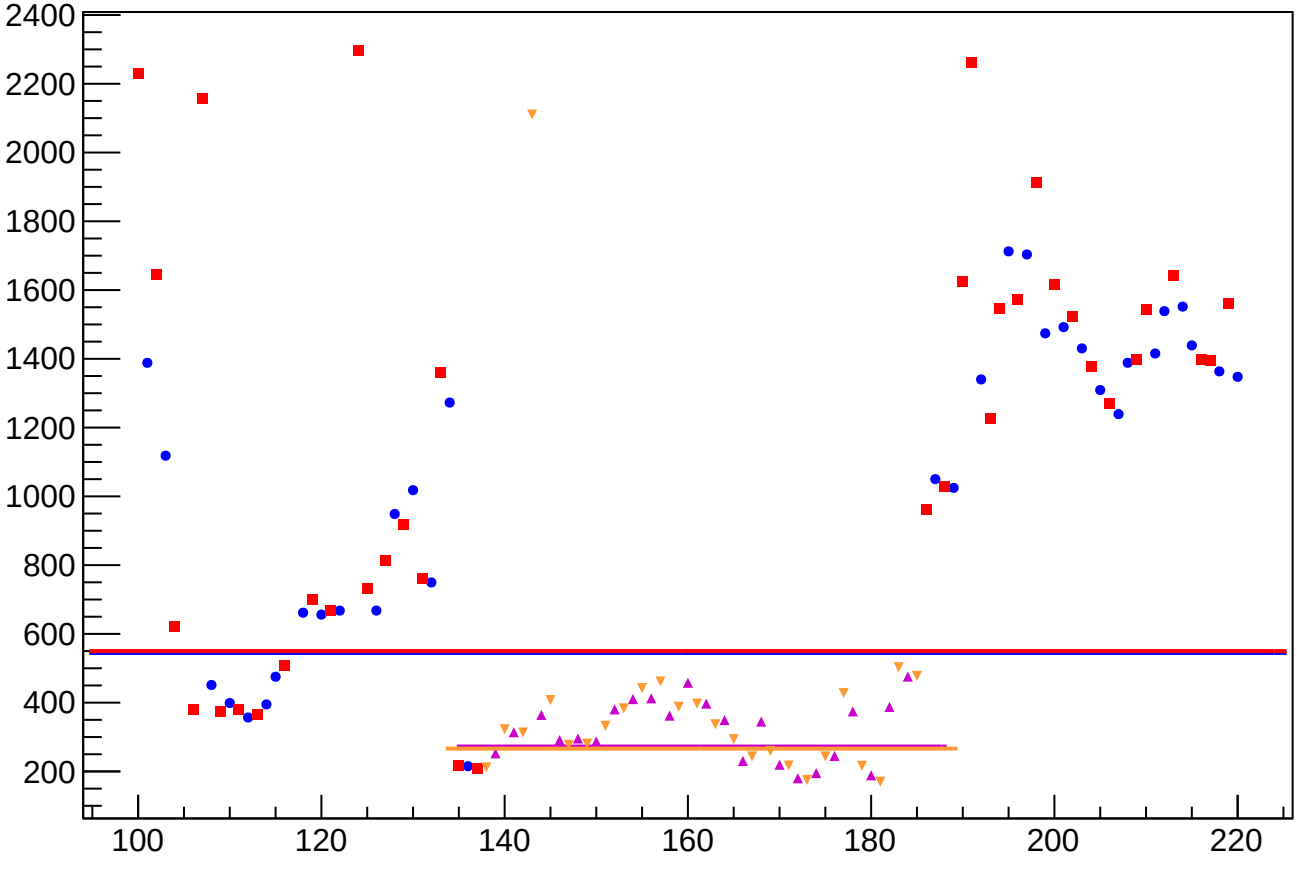
Right: -88.210+/-108.947 χ^2/NDF: 81.1/69

In: 20.076+/-61.417 χ^2/NDF:65.3/55

Out: -59.175+/-59.961 χ^2/NDF:83.4/61

All: -20.500+/-42.904 χ^2/NDF: 149.5/117

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 544.566+/-0.109 χ^2/NDF: 16558808.2/32

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

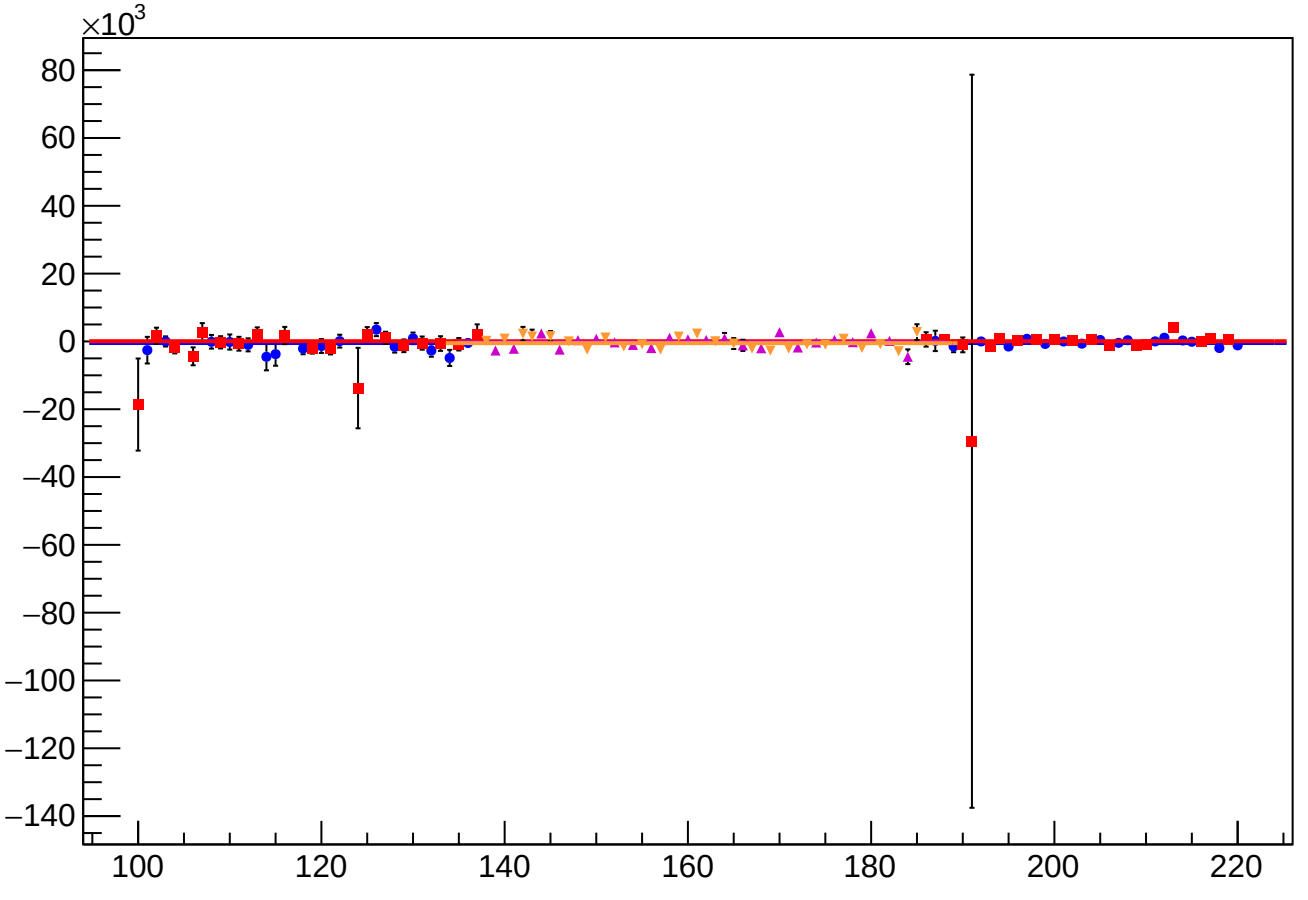
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 547.286+/-0.077 χ^2/NDF: 33108476.2/69

In: 315.867+/-0.043 χ^2/NDF:24719897.1/55

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 312.380+/-0.030 χ^2/NDF: 51639166.8/1



Right In: -461.752+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

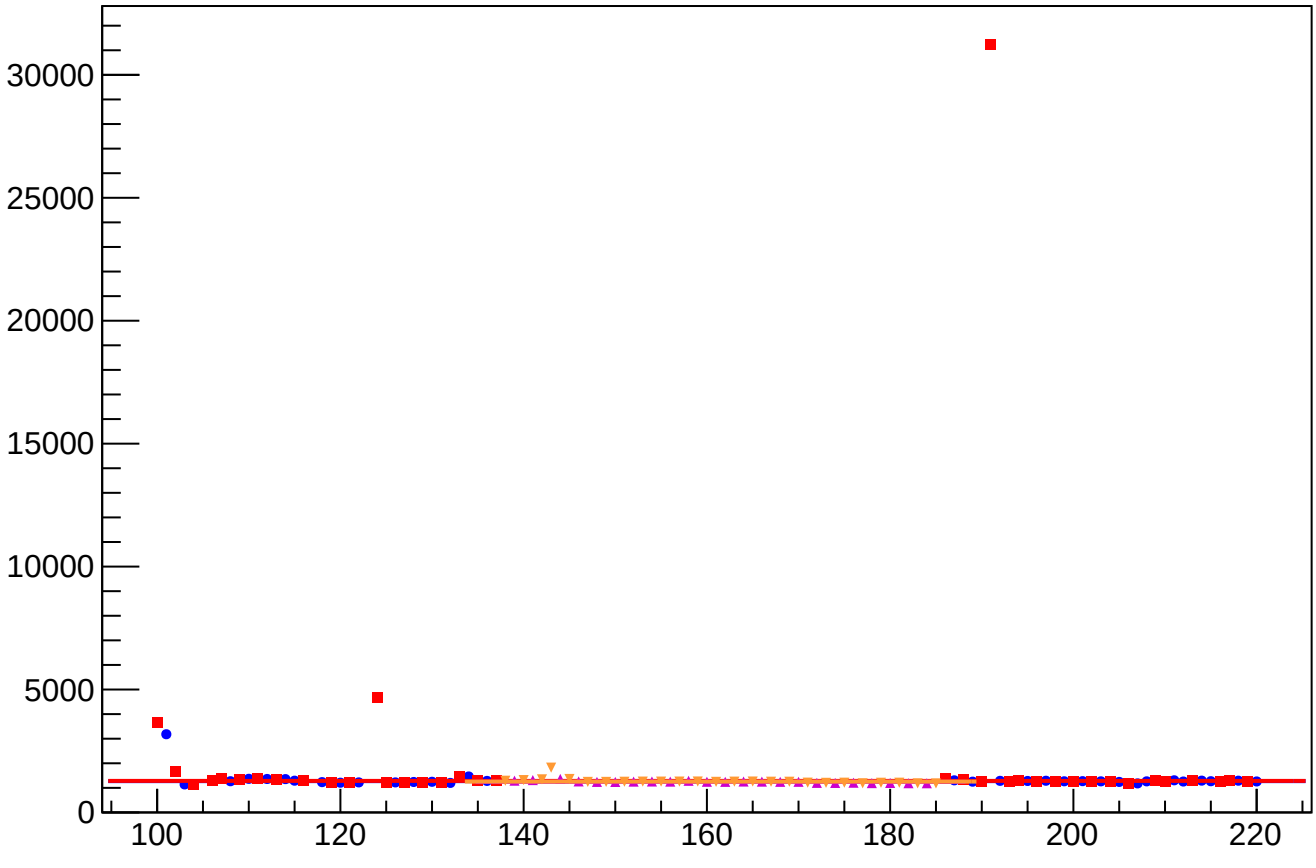
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -201.135+/-198.003 χ^2/NDF: 51.8/69

In: -356.735+/-201.586 χ^2/NDF:52.1/55

Out: -220.895+/-200.303 χ^2/NDF:63.3/61

All: -288.381+/-142.087 χ^2/NDF: 115.6/117



Right In: 1273.606+/-0.198 χ^2/NDF: 534707.8/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

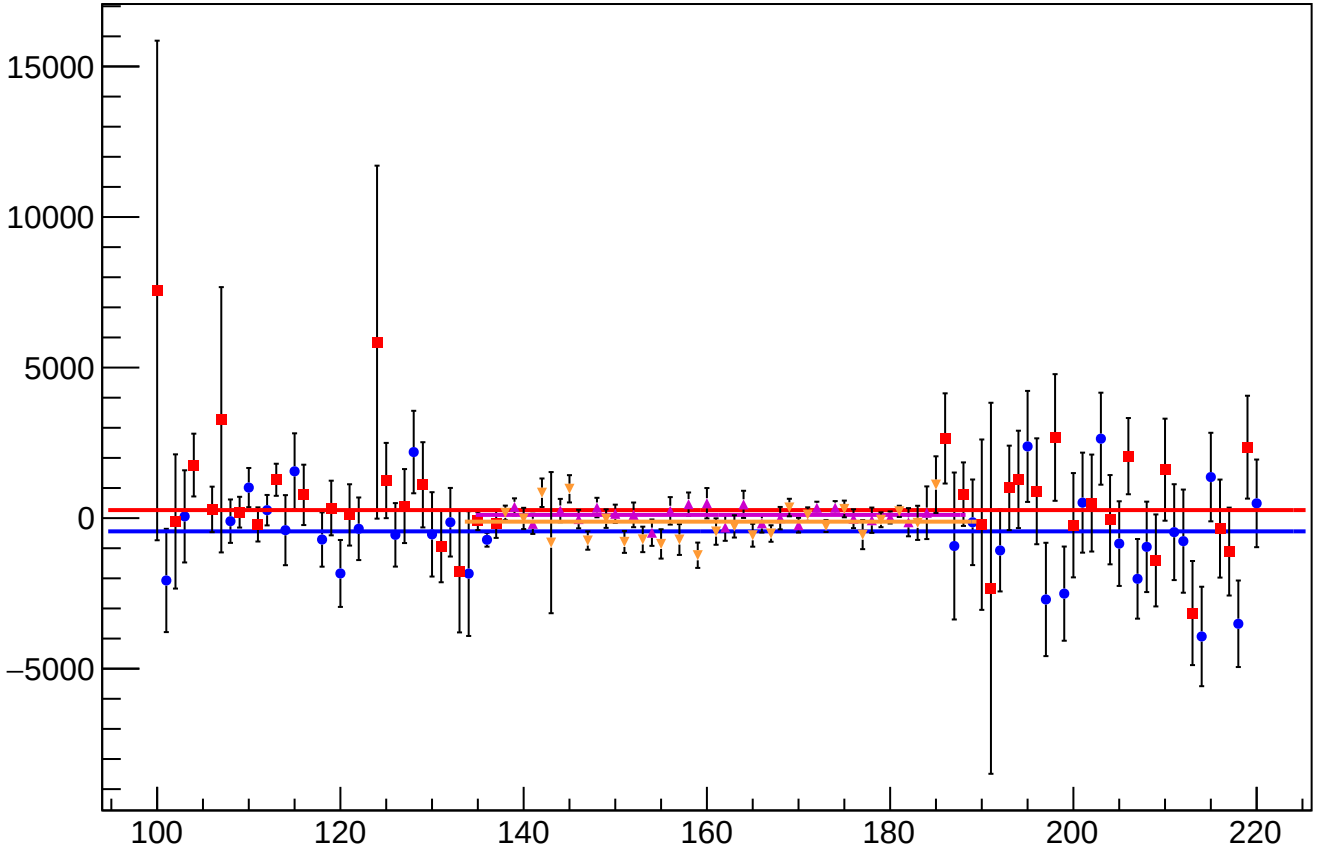
Right: 1278.453+/-0.140 χ^2/NDF: 1044664.6/69

In: 1260.544+/-0.143 χ^2/NDF:583687.0/55

Out: 1269.688+/-0.142 χ^2/NDF:721520.5/61

All: 1265.145+/-0.100 χ^2/NDF: 1307278.4/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -439.450+/-153.650 χ^2/NDF: 40.9/32

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

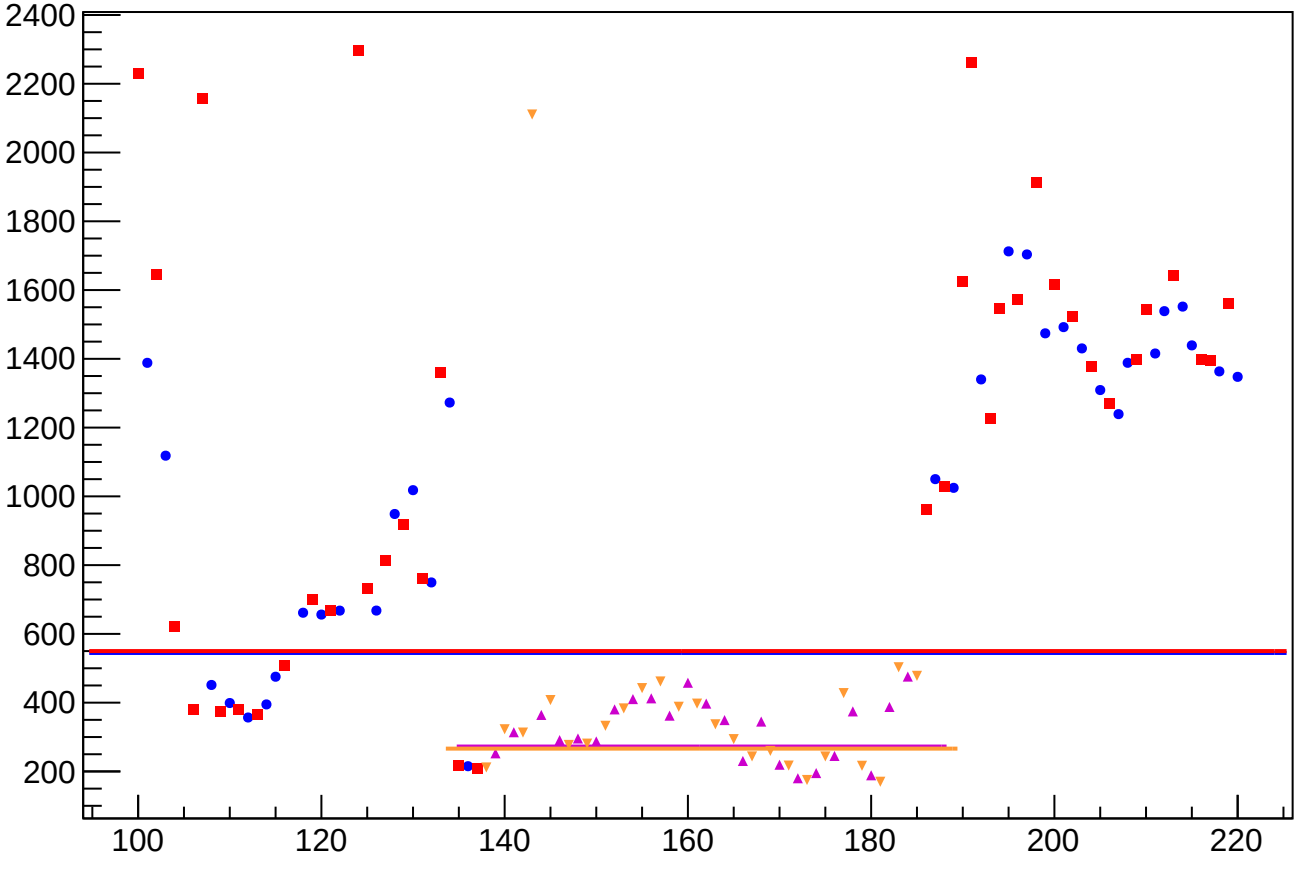
Right: -88.210+/-108.947 χ^2/NDF: 81.1/69

In: 20.076+/-61.417 χ^2/NDF:65.3/55

Out: -59.175+/-59.961 χ^2/NDF:83.4/61

All: -20.500+/-42.904 χ^2/NDF: 149.5/117

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 544.566+/-0.109 χ^2/NDF: 16558808.2/32

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

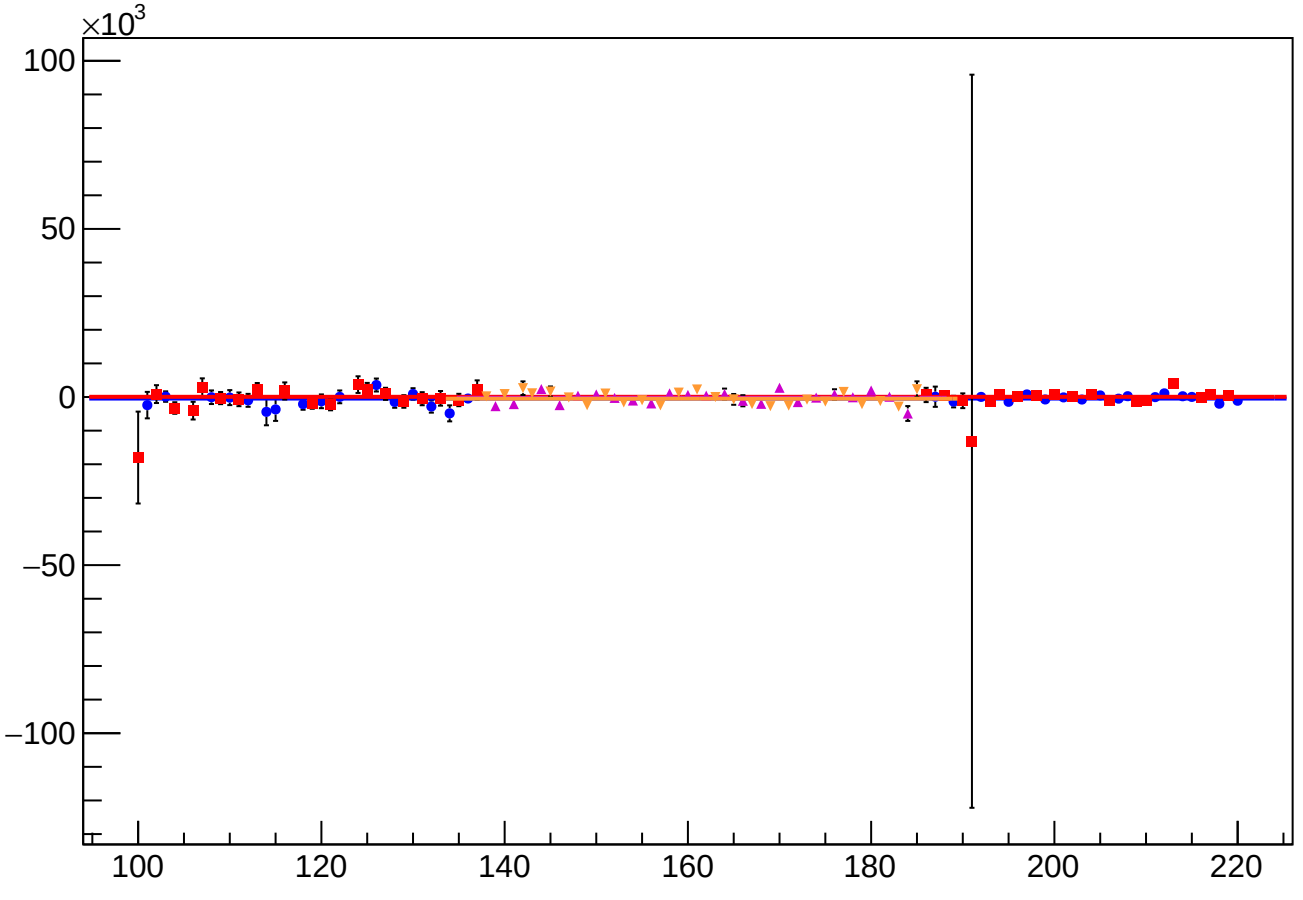
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 547.286+/-0.077 χ^2/NDF: 33108476.2/69

In: 315.867+/-0.043 χ^2/NDF:24719897.1/55

Out: 309.057+/-0.042 χ^2/NDF:26906680.3/61

All: 312.380+/-0.030 χ^2/NDF: 51639166.8/11



Right In: -454.084+/-280.069 χ^2/NDF: 19.8/32

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 62.295+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

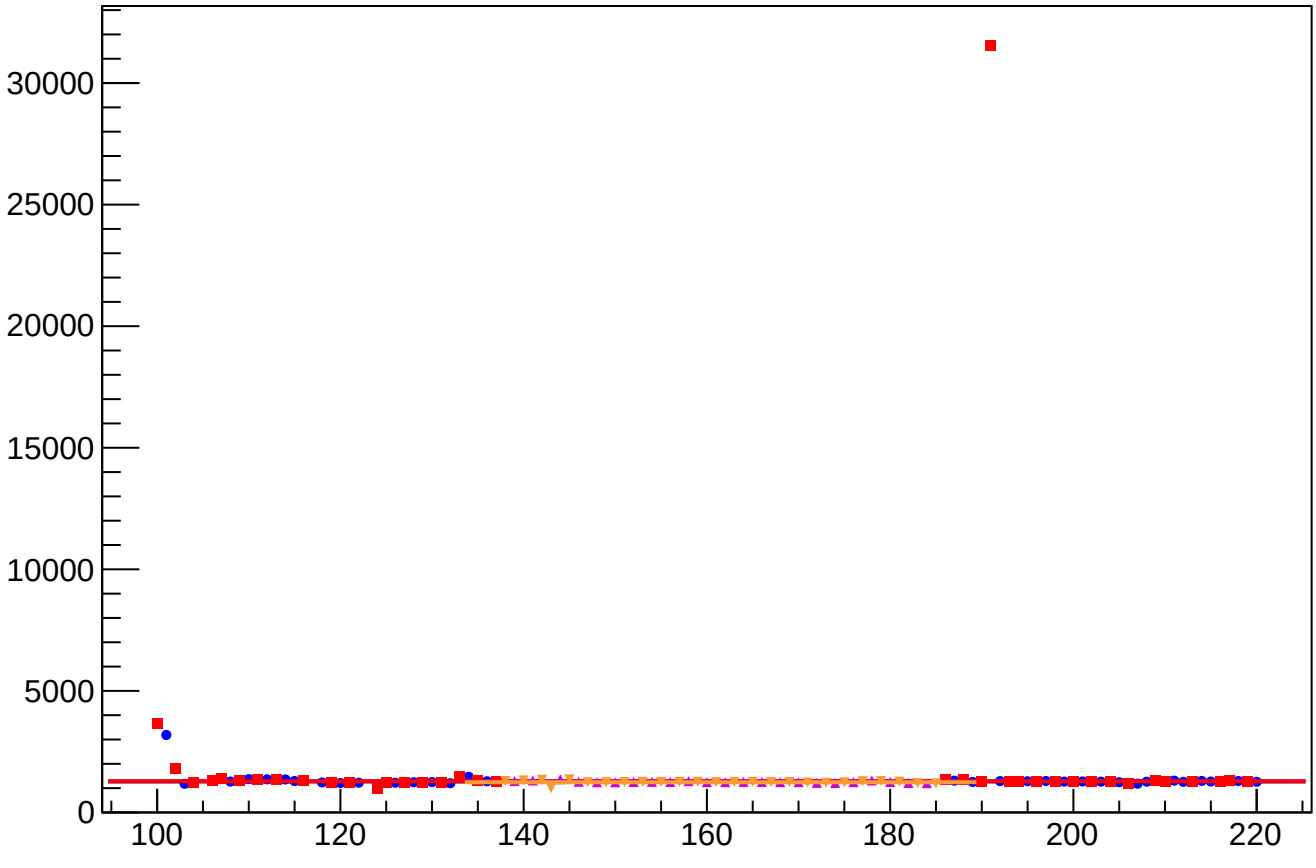
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -196.072+/-198.106 χ^2/NDF: 53.7/69

In: -353.310+/-202.896 χ^2/NDF:50.8/55

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -281.876+/-142.087 χ^2/NDF: 119.4/117



Right In: 1276.857+/-0.198 χ^2/NDF: 527304.2/32

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

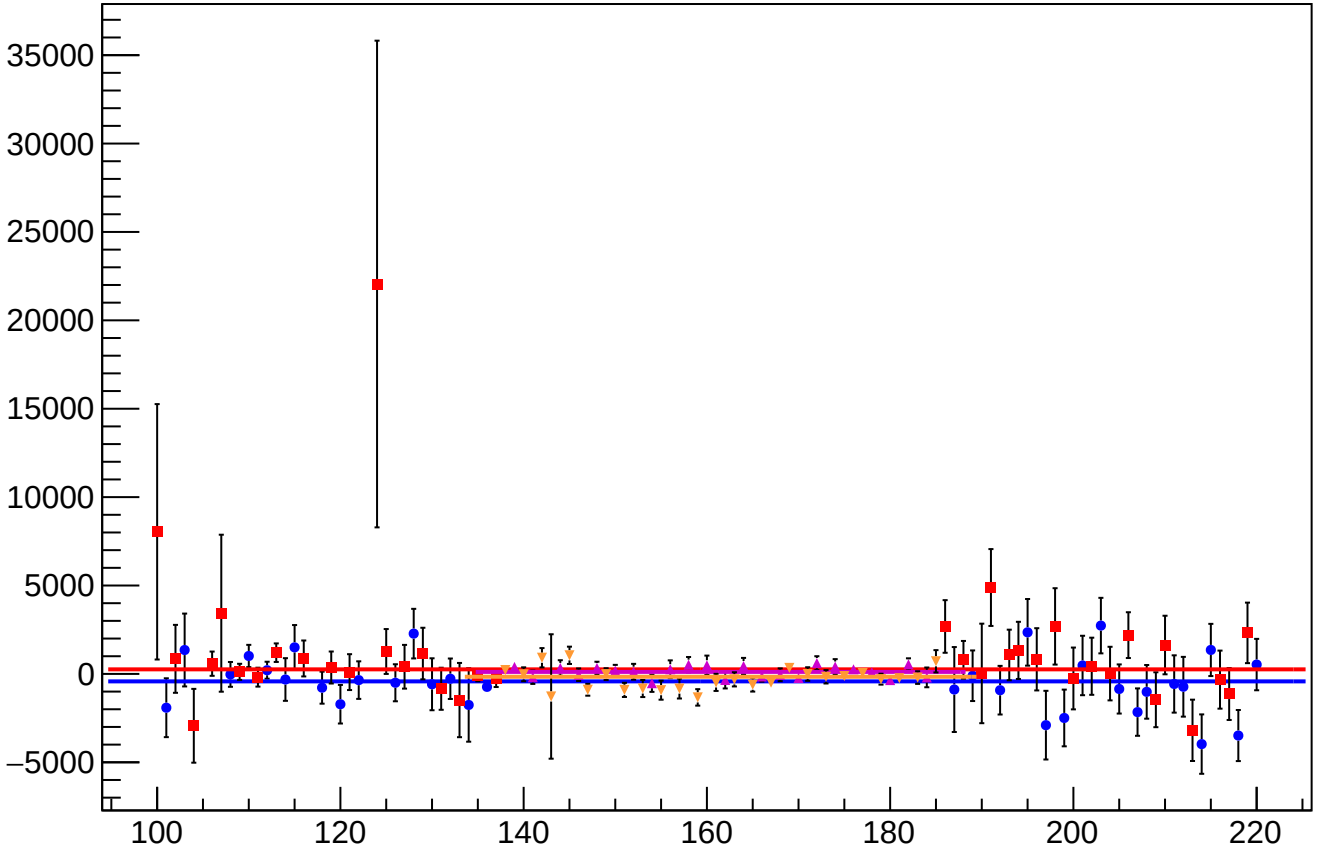
Right: 1279.189+/-0.140 χ^2/NDF: 916642.5/69

In: 1268.892+/-0.143 χ^2/NDF:558641.1/55

Out: 1262.203+/-0.141 χ^2/NDF:538263.1/61

All: 1265.483+/-0.100 χ^2/NDF: 1098011.9/11

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -422.744+/-155.227 χ^2/NDF: 41.4/32

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

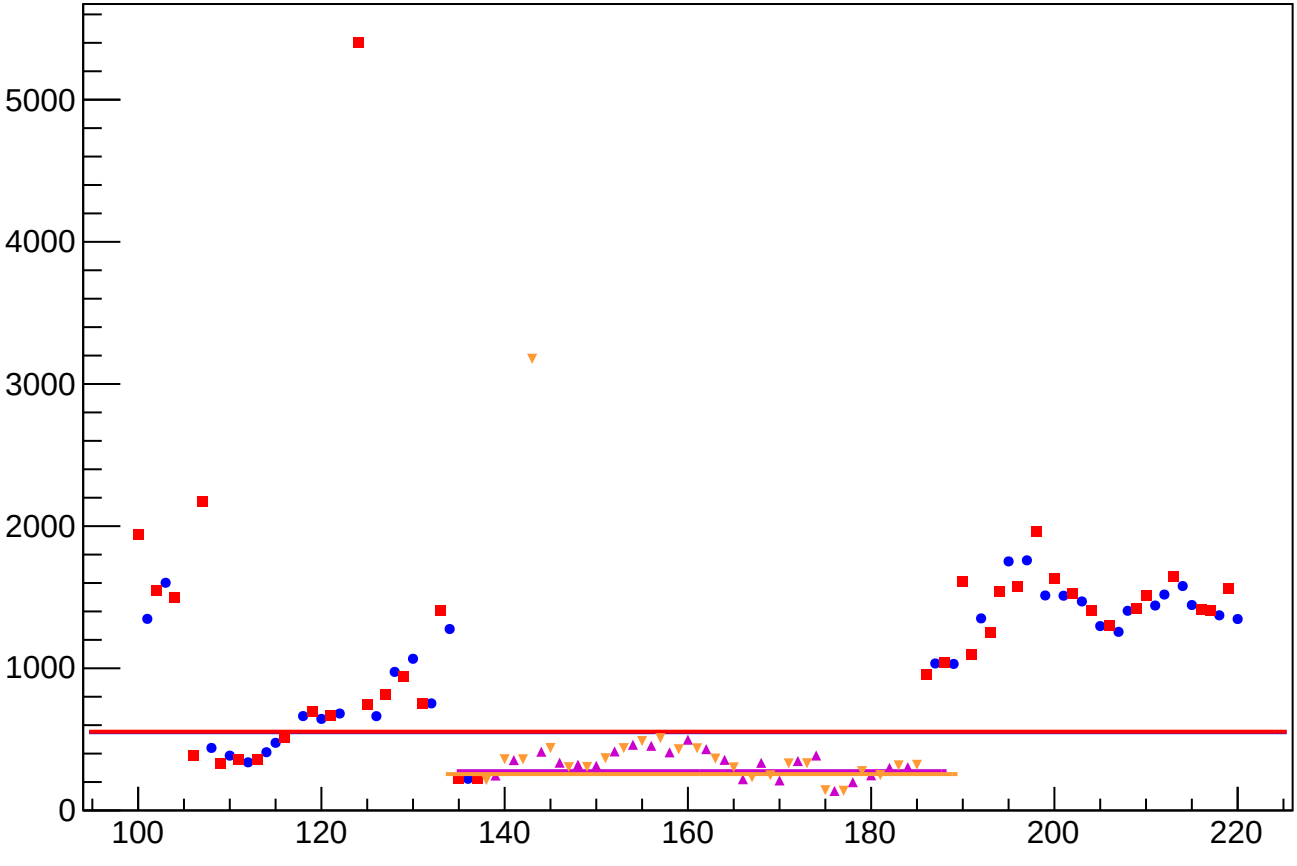
Right: -81.074+/-109.535 χ^2/NDF: 87.5/69

In: 25.552+/-62.930 χ^2/NDF:69.6/55

Out: -99.445+/-59.237 χ^2/NDF:86.5/61

All: -40.722+/-43.133 χ^2/NDF: 158.2/117

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 550.609+/-0.110 χ^2/NDF: 16684198.7/32

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

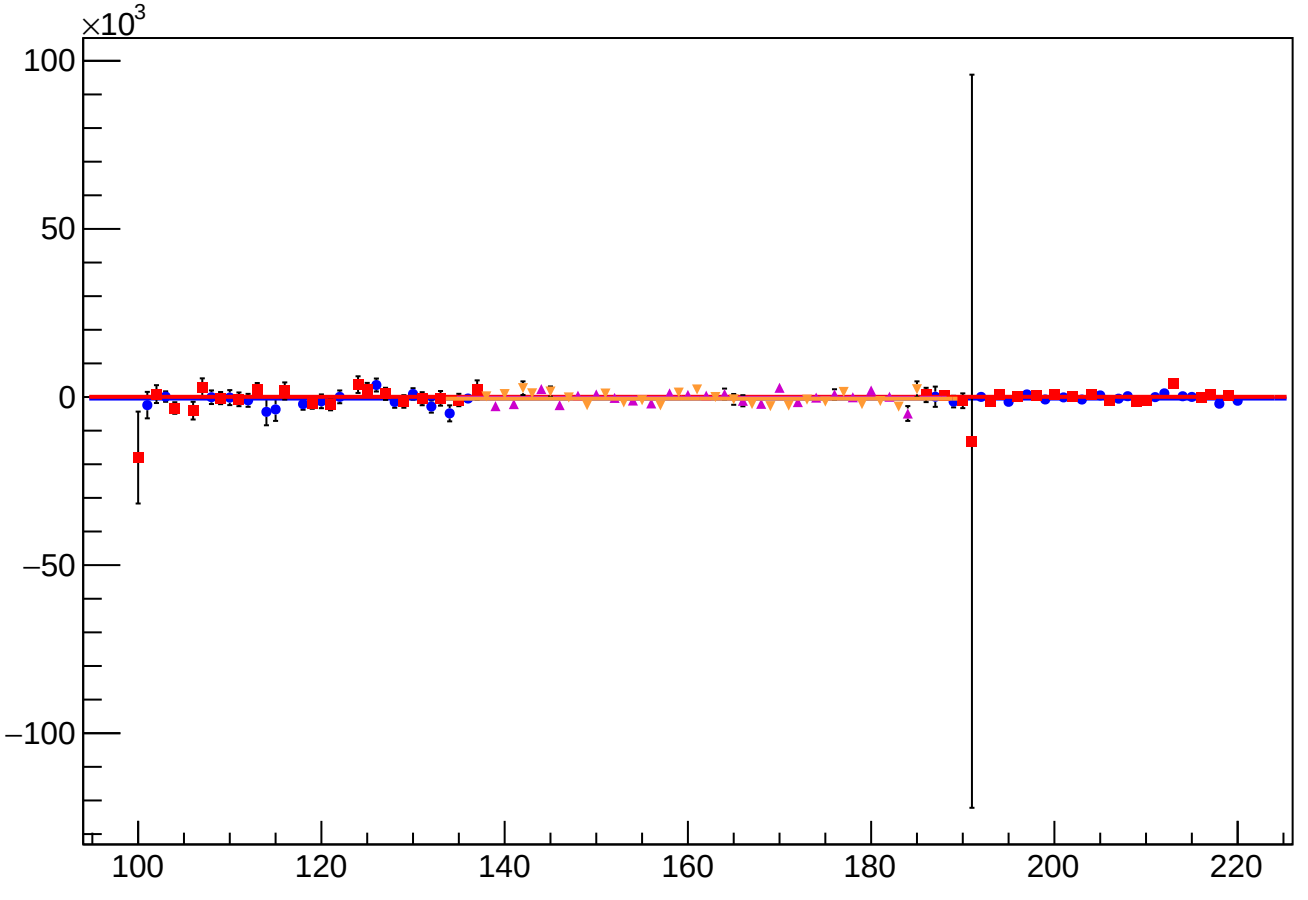
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 552.290+/-0.077 χ^2/NDF: 33741751.6/69

In: 321.382+/-0.044 χ^2/NDF:25930828.9/55

Out: 299.554+/-0.042 χ^2/NDF:29779900.1/61

All: 309.809+/-0.030 χ^2/NDF: 55838310.2/11



Right In: -454.082+/-280.069 χ^2/NDF: 19.8/32

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 62.294+/-280.261 χ^2/NDF: 32.2/36

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

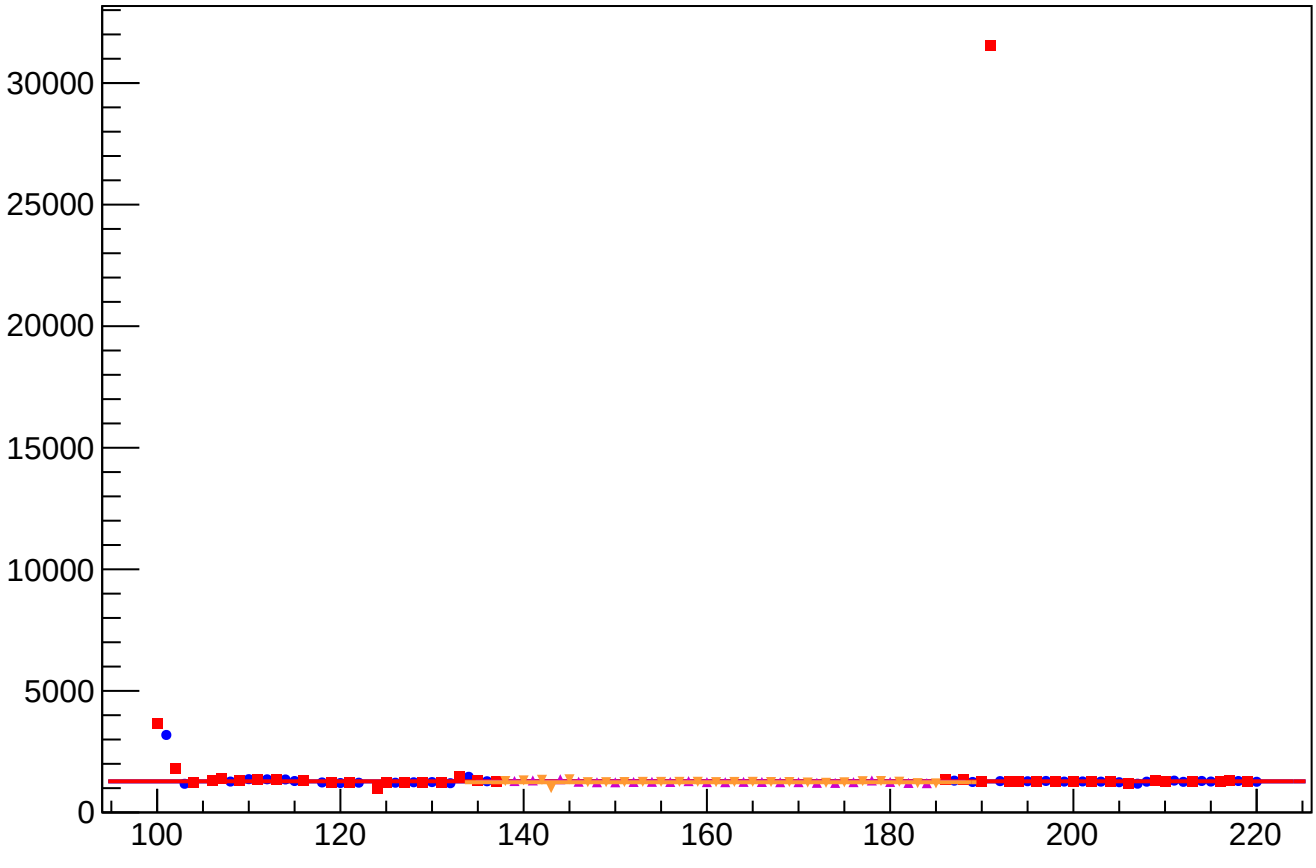
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -196.071+/-198.106 χ^2/NDF: 53.7/69

In: -353.309+/-202.896 χ^2/NDF:50.8/55

Out: -213.129+/-199.043 χ^2/NDF:68.3/61

All: -281.875+/-142.087 χ^2/NDF: 119.4/117



Right In: 1276.857+/-0.198 χ^2/NDF: 527304.2/32

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

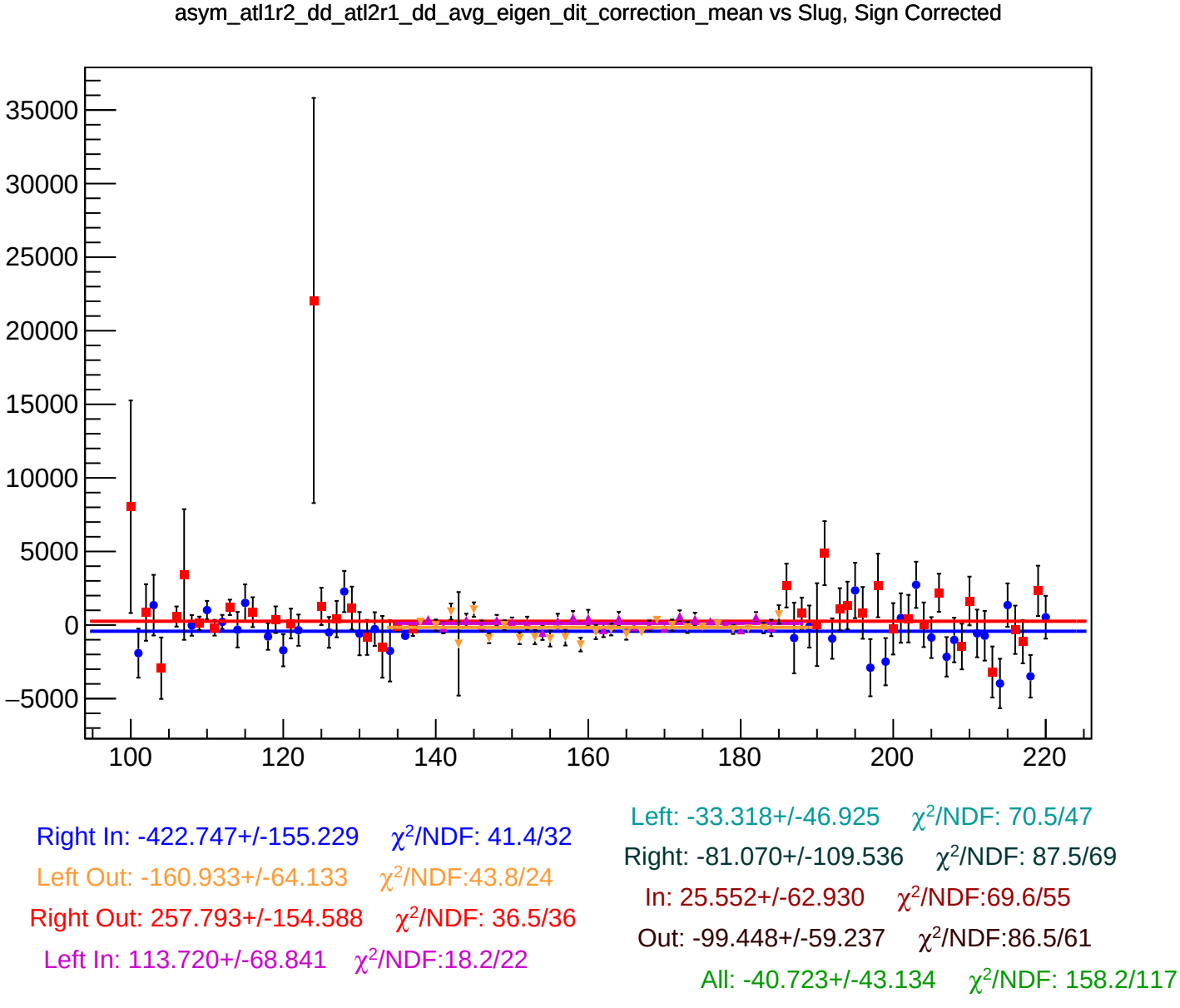
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1279.189+/-0.140 χ^2/NDF: 916642.8/69

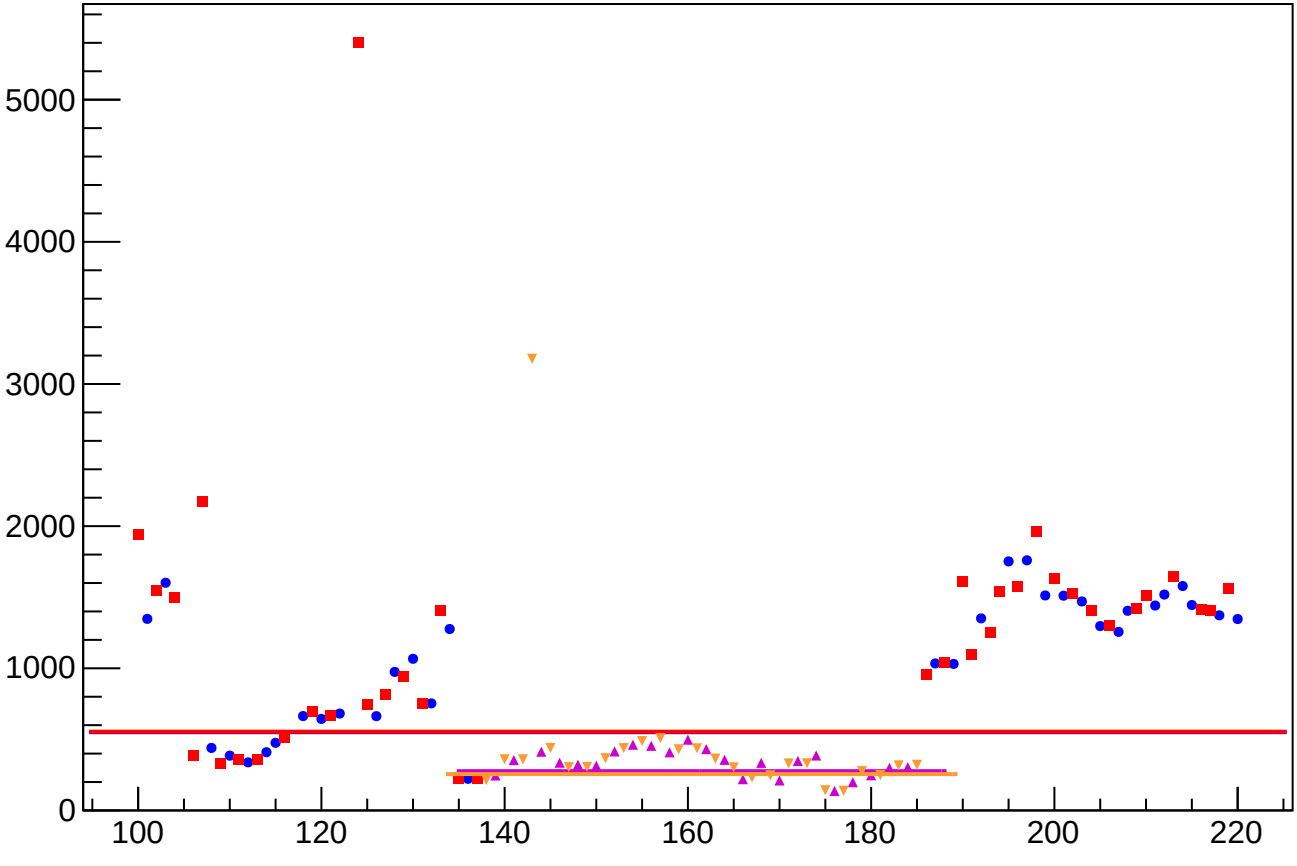
In: 1268.892+/-0.143 χ^2/NDF:558641.2/55

Out: 1262.203+/-0.141 χ^2/NDF:538262.5/61

All: 1265.483+/-0.100 χ^2/NDF: 1098011.4/11


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -422.747+/-155.229 χ²/NDF: 41.4/32
Left Out: -160.933+/-64.133 χ²/NDF:43.8/24
Right Out: 257.793+/-154.588 χ²/NDF: 36.5/36
Left In: 113.720+/-68.841 χ²/NDF:18.2/22
Left: -33.318+/-46.925 χ²/NDF: 70.5/47
Right: -81.070+/-109.536 χ²/NDF: 87.5/69
In: 25.552+/-62.930 χ²/NDF:69.6/55
Out: -99.448+/-59.237 χ²/NDF:86.5/61
All: -40.723+/-43.134 χ²/NDF: 158.2/117

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 550.622+/-0.110 χ^2/NDF: 16683701.9/32

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

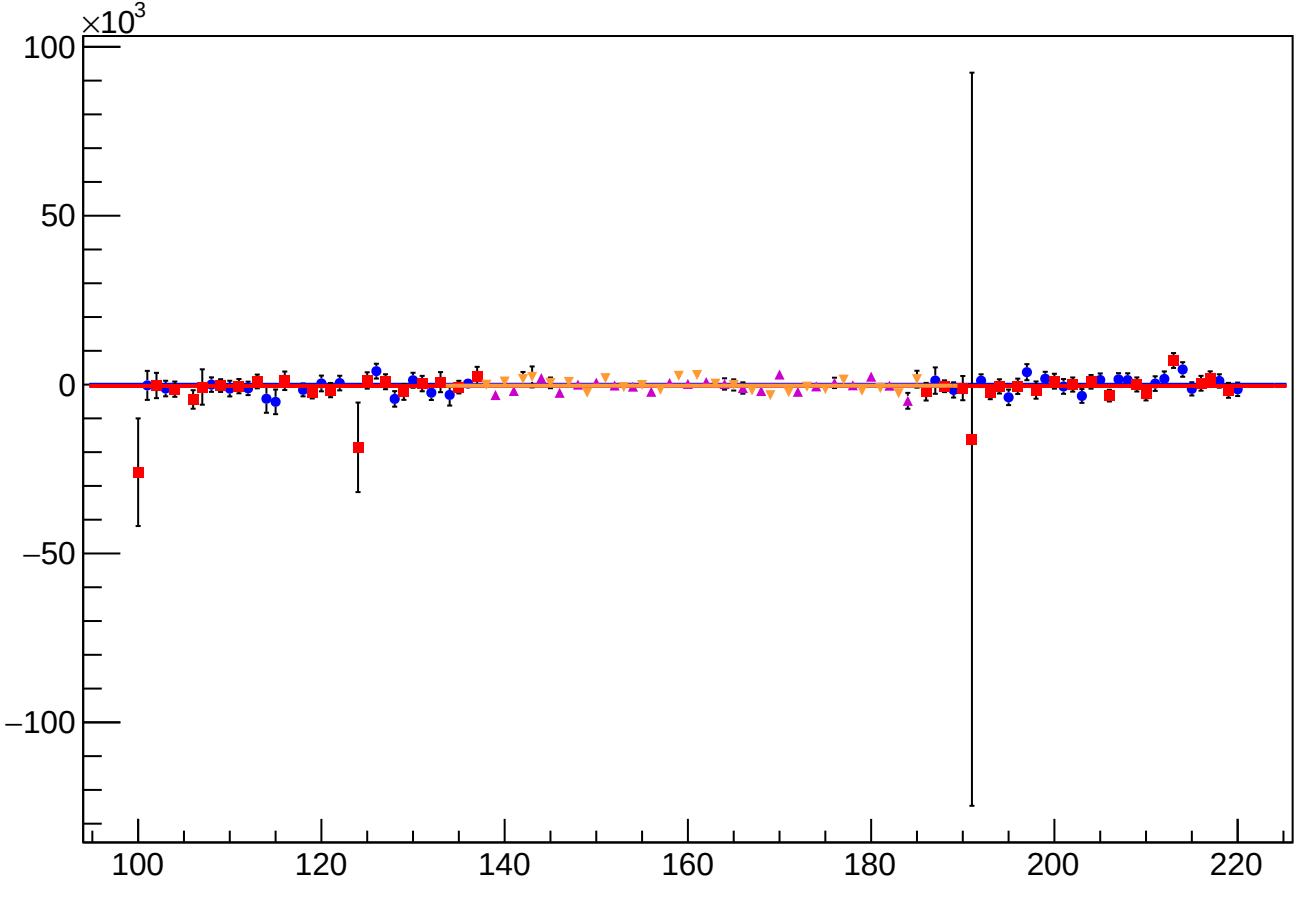
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 552.301+/-0.077 χ^2/NDF: 33740891.1/69

In: 321.384+/-0.044 χ^2/NDF:25930652.6/55

Out: 299.556+/-0.042 χ^2/NDF:29779689.8/61

All: 309.811+/-0.031 χ^2/NDF: 55837917.4/11



Right In: -54.423+/-379.768 χ^2/NDF: 31.0/32

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -416.568+/-383.461 χ^2/NDF: 31.1/36

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

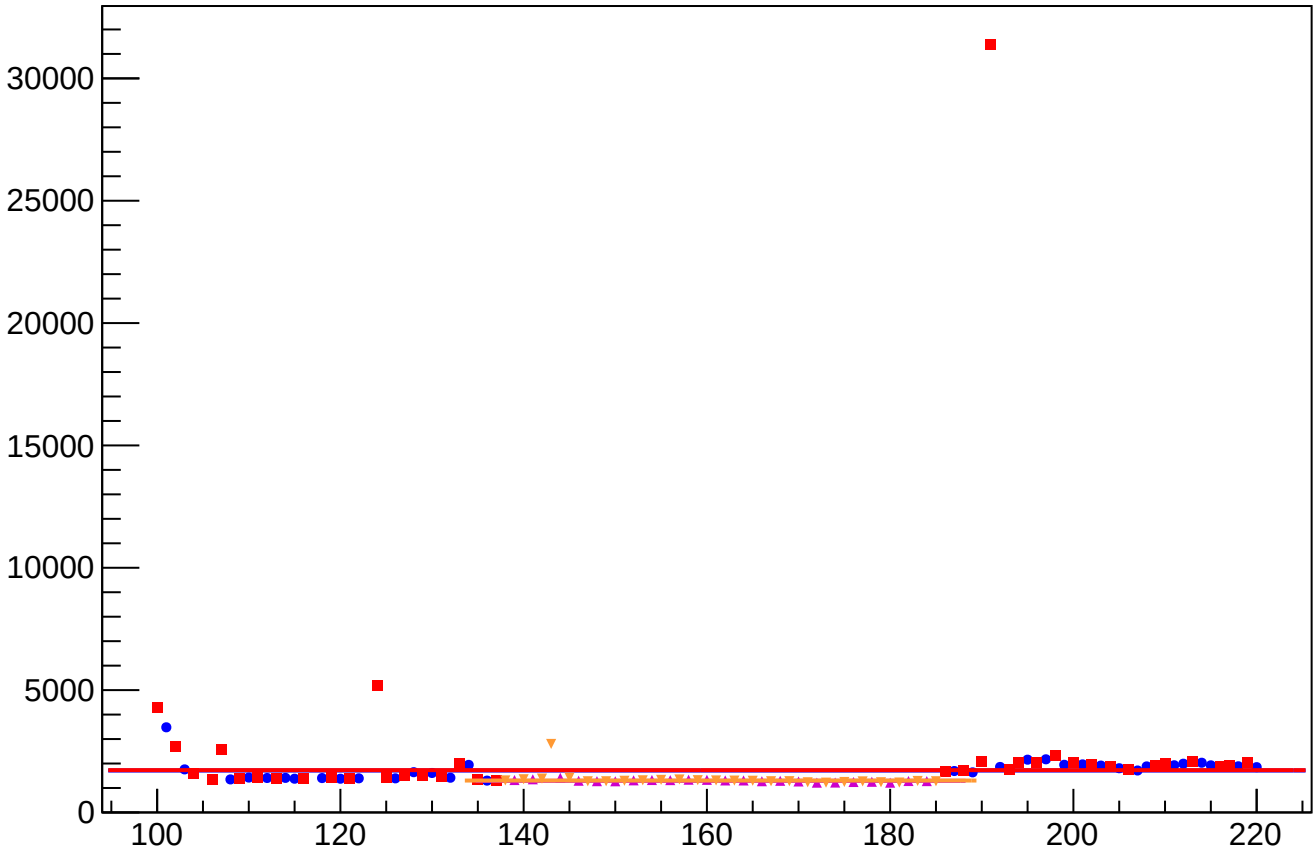
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -233.743+/-269.833 χ^2/NDF: 62.5/69

In: -239.453+/-236.325 χ^2/NDF:61.1/55

Out: -356.243+/-235.434 χ^2/NDF:62.7/61

All: -298.069+/-166.791 χ^2/NDF: 123.8/117



Right In: 1713.437+/-0.269 χ^2/NDF: 1306646.6/32

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

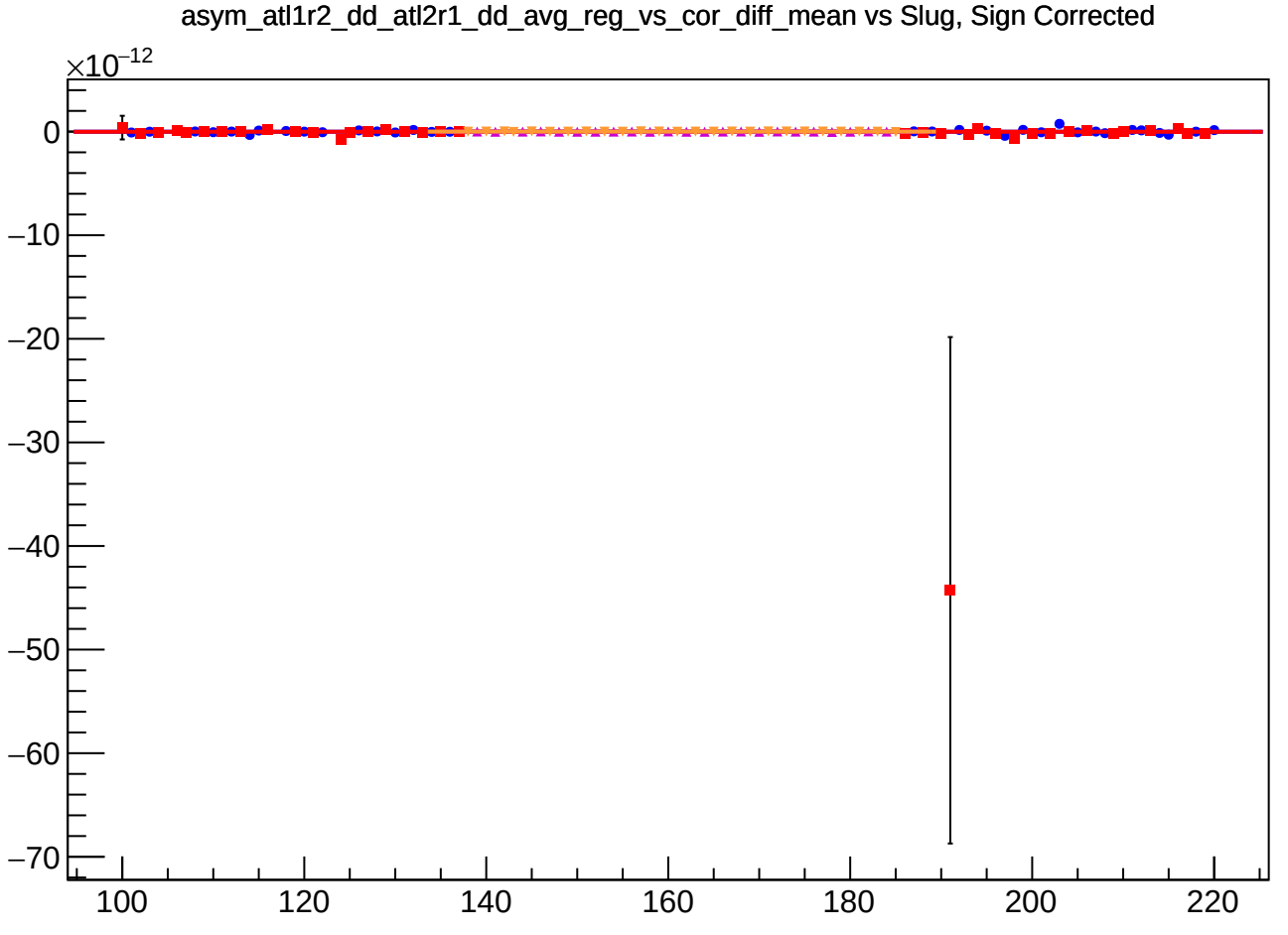
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1721.417+/-0.191 χ^2/NDF: 2882677.0/69

In: 1455.274+/-0.167 χ^2/NDF:2863305.5/55

Out: 1464.514+/-0.166 χ^2/NDF:3627392.5/61

All: 1459.912+/-0.118 χ^2/NDF: 6492232.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.4/36

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

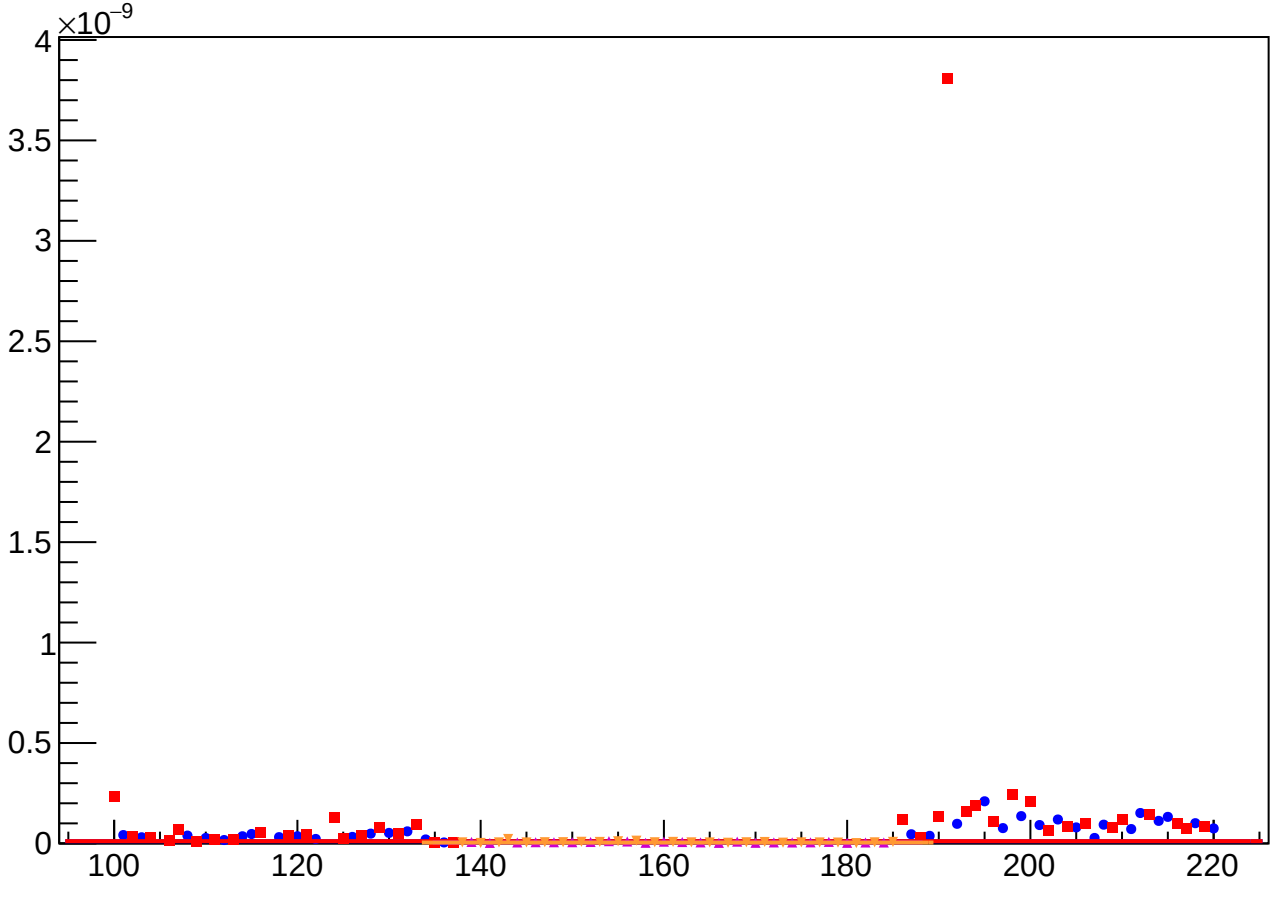
Right: -0.000+/-0.000 χ^2/NDF: 79.9/69

In: -0.000+/-0.000 χ^2/NDF:67.0/55

Out: -0.000+/-0.000 χ^2/NDF:71.7/61

All: -0.000+/-0.000 χ^2/NDF: 139.0/117

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11219317.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

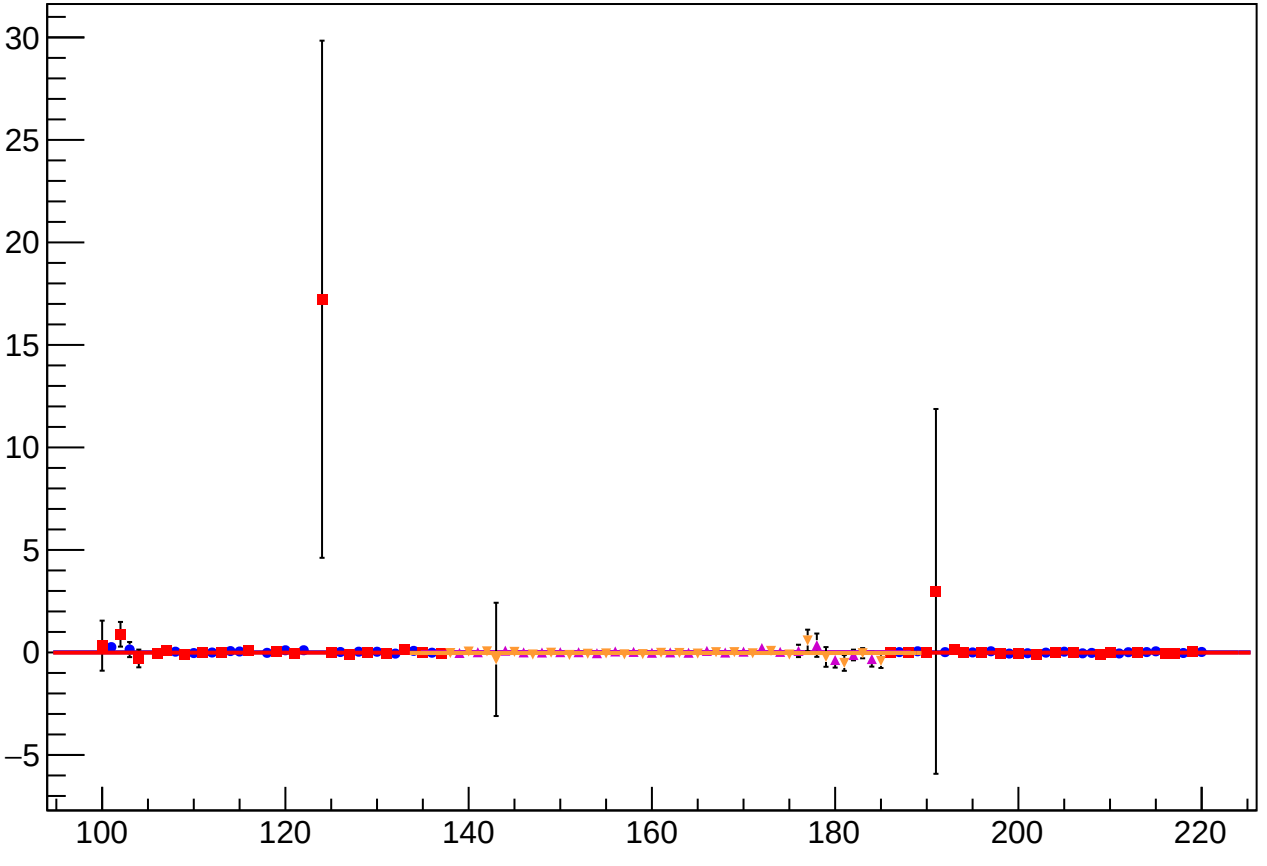
Right: 0.000+/-0.000 χ^2/NDF: 23797595.1/69

In: 0.000+/-0.000 χ^2/NDF:14445563.3/55

Out: 0.000+/-0.000 χ^2/NDF:16800125.4/61

All: 0.000+/-0.000 χ^2/NDF: 31278183.8/117

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

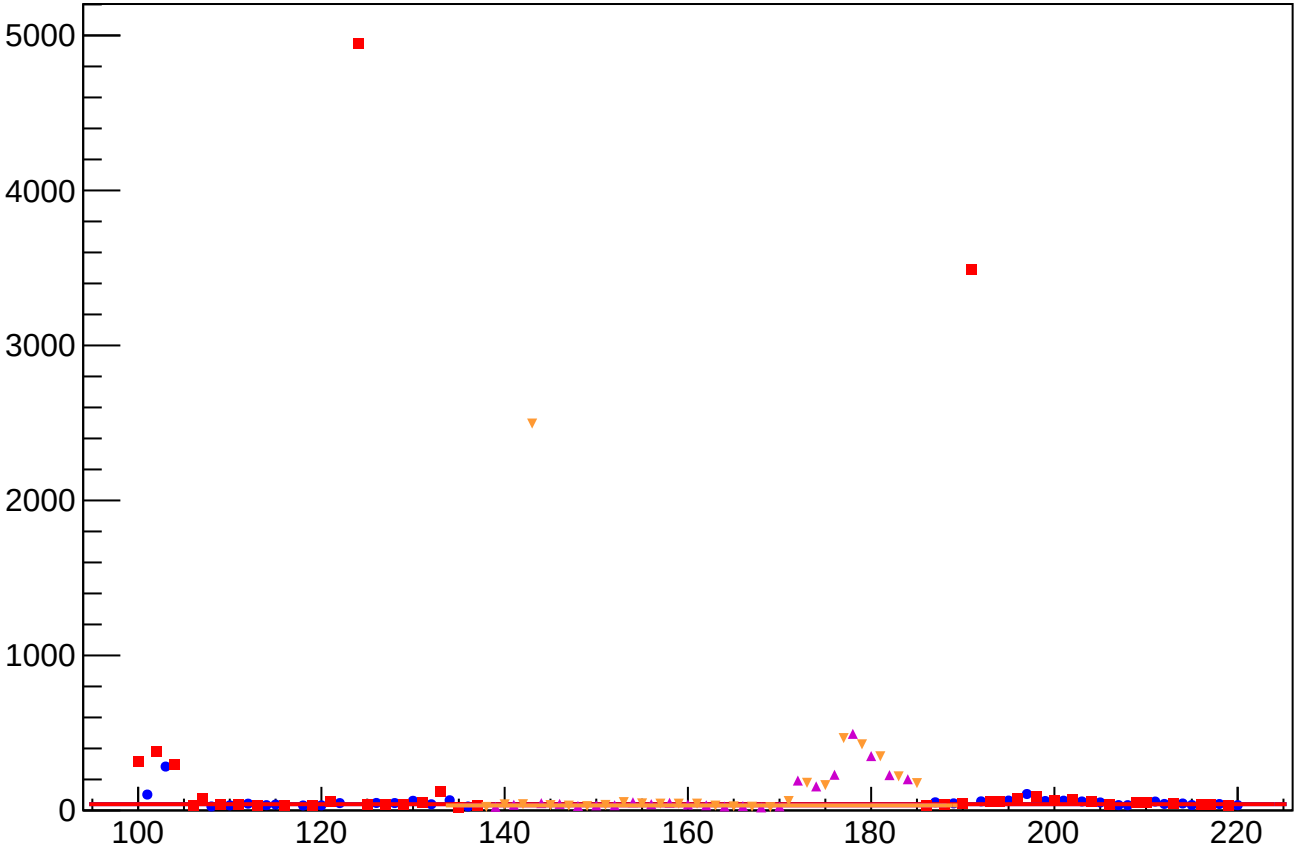
Right: -0.001+/-0.007 χ^2/NDF: 51.8/69

In: 0.010+/-0.007 χ^2/NDF:32.6/55

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.1/117

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.762+/-0.007 χ^2/NDF: 4375779.9/32

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

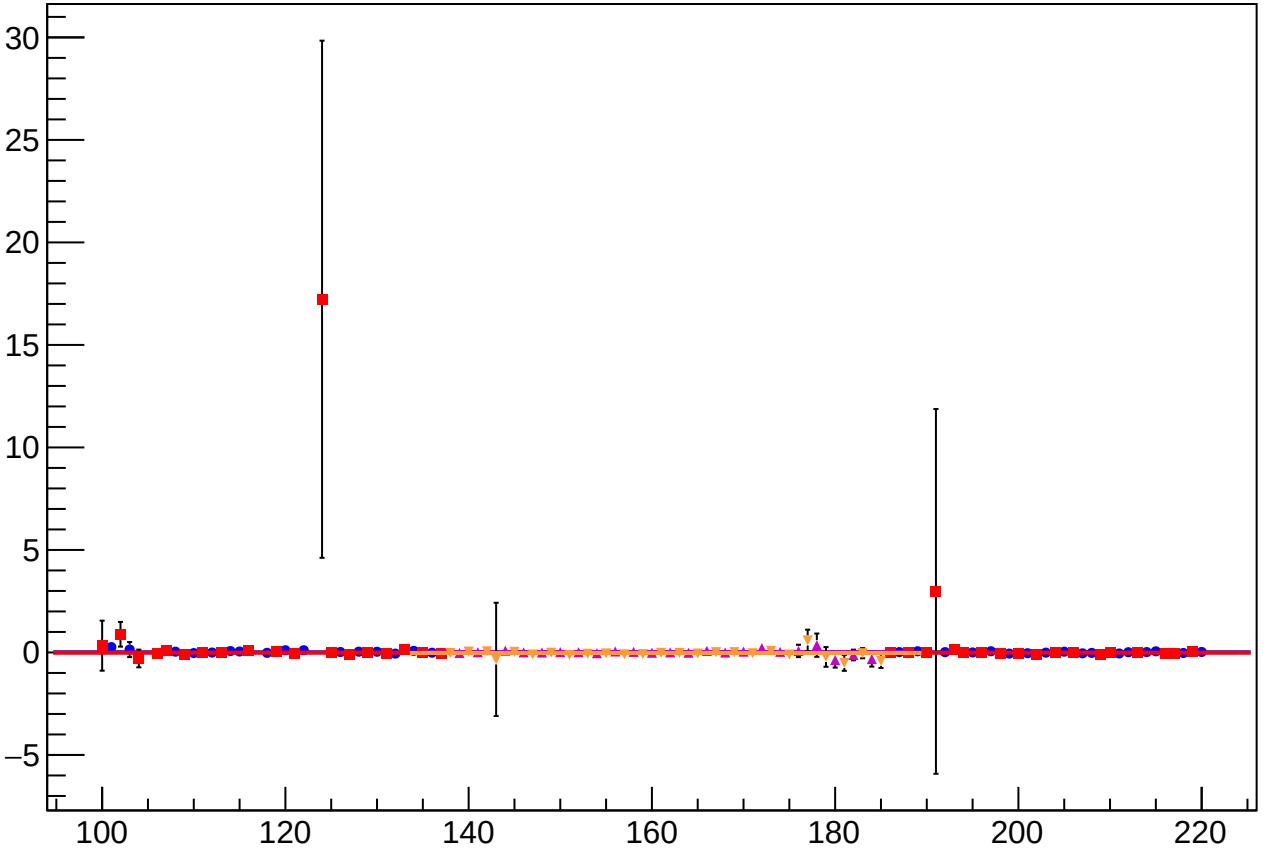
Right: 40.585+/-0.005 χ^2/NDF: 10019108.2/69

In: 36.535+/-0.005 χ^2/NDF:14014205.4/55

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.401+/-0.003 χ^2/NDF: 31174257.0/117

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

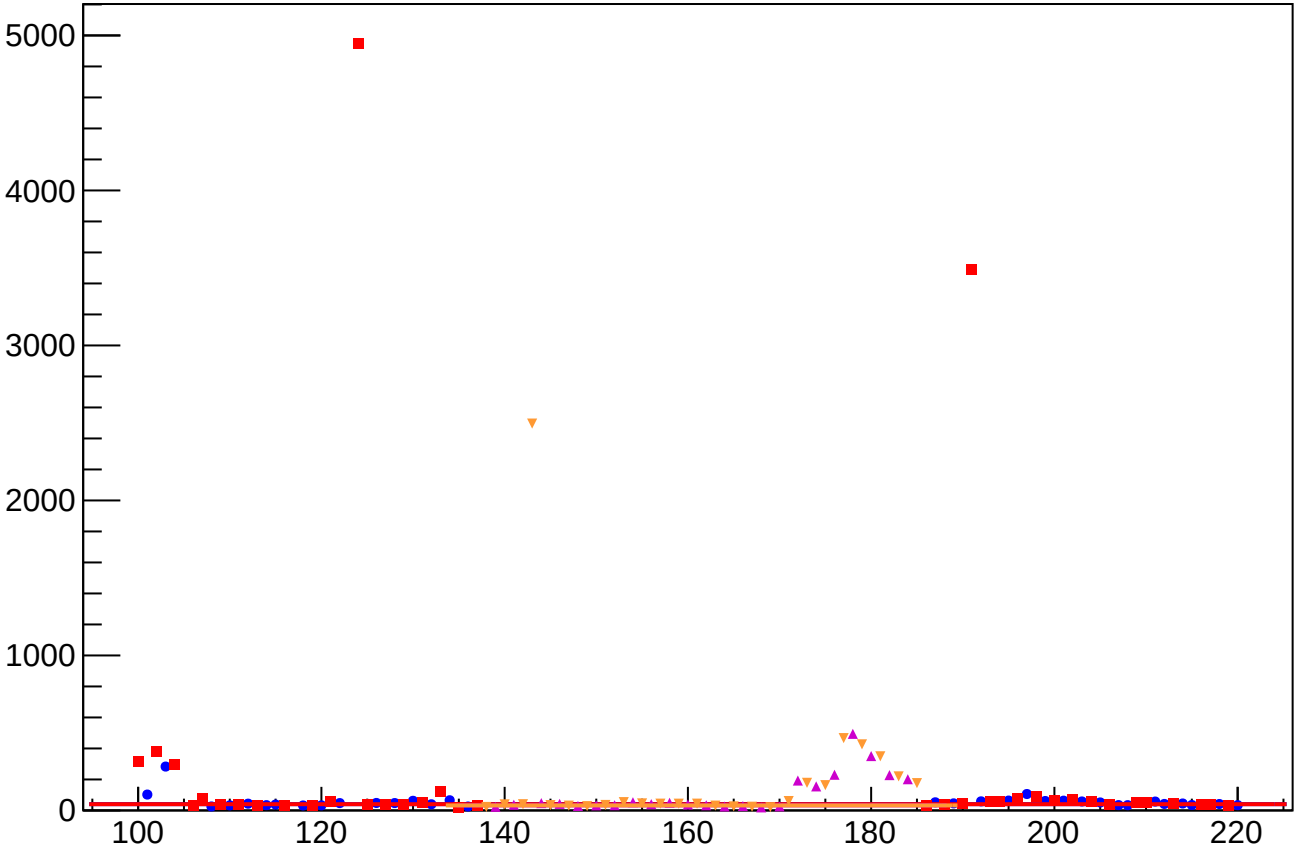
Right: -0.001+/-0.007 χ^2/NDF: 51.8/69

In: 0.010+/-0.007 χ^2/NDF:32.6/55

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.1/117

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.762+/-0.007 χ^2/NDF: 4375779.9/32

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

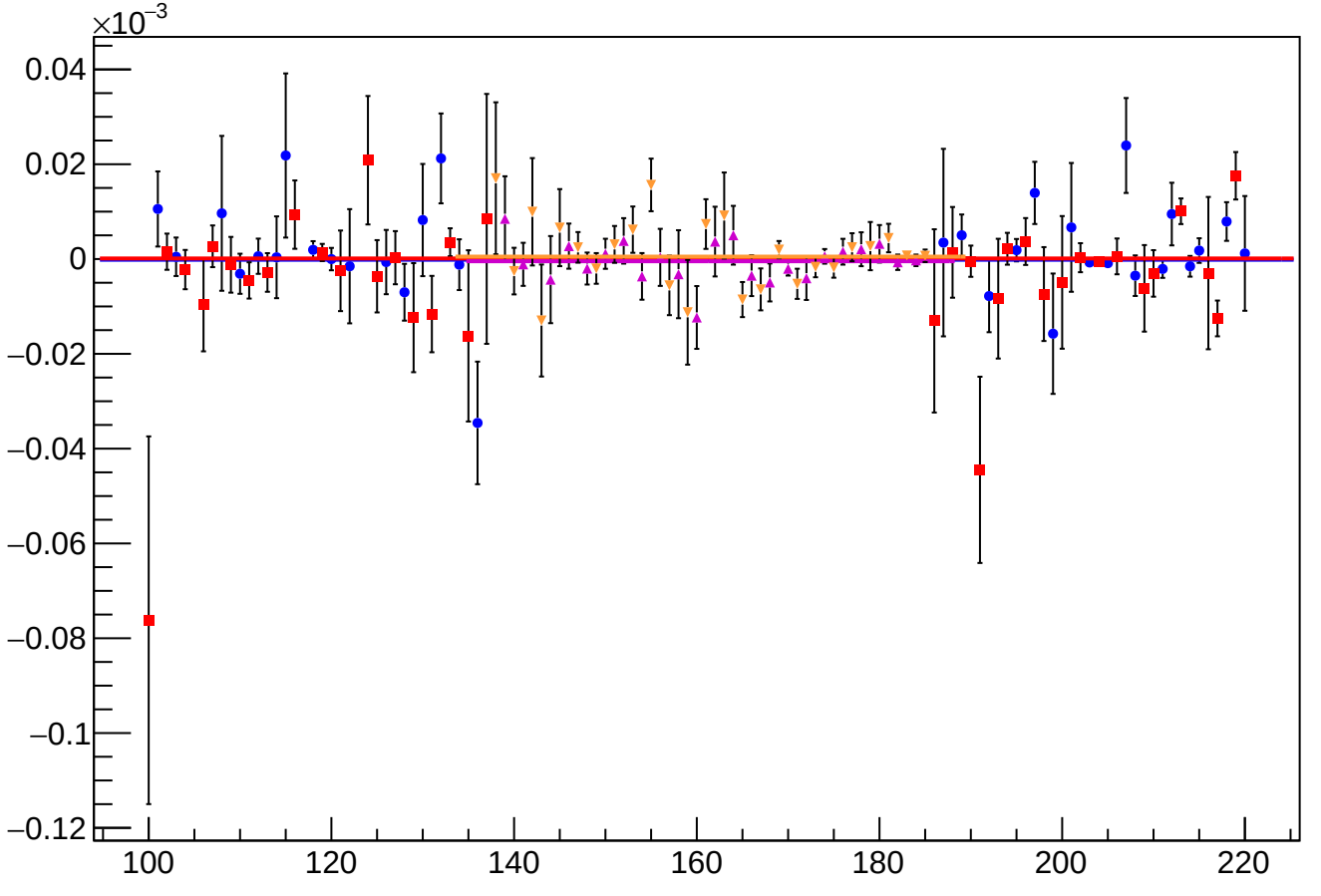
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.585+/-0.005 χ^2/NDF: 10019108.2/69

In: 36.535+/-0.005 χ^2/NDF:14014205.4/55

Out: 36.266+/-0.005 χ^2/NDF:17158533.0/61

All: 36.401+/-0.003 χ^2/NDF: 31174257.0/117



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 64.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

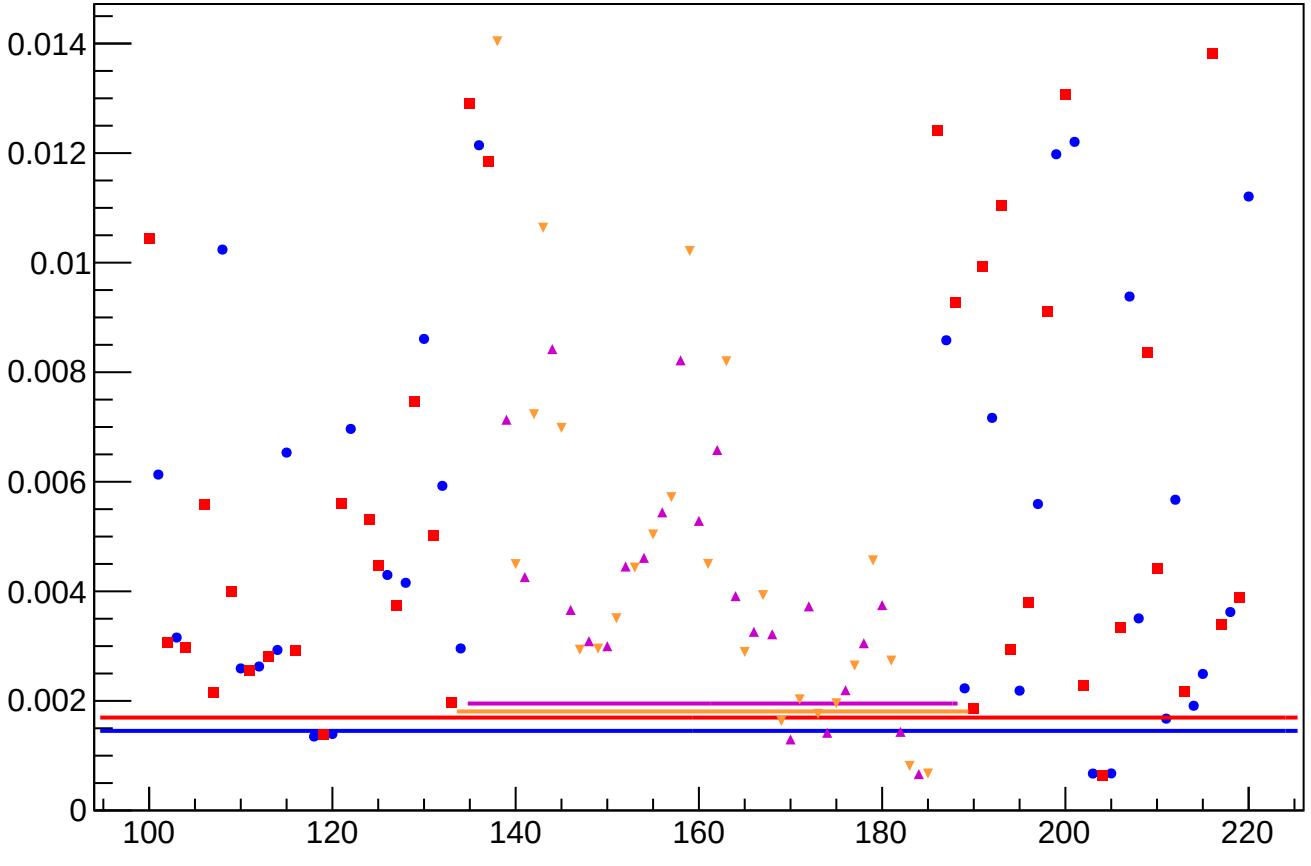
Right: -0.000+/-0.000 χ^2/NDF: 109.3/69

In: -0.000+/-0.000 χ^2/NDF:58.7/55

Out: 0.000+/-0.000 χ^2/NDF:100.3/61

All: 0.000+/-0.000 χ^2/NDF: 160.2/117

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 19184752.5/32

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

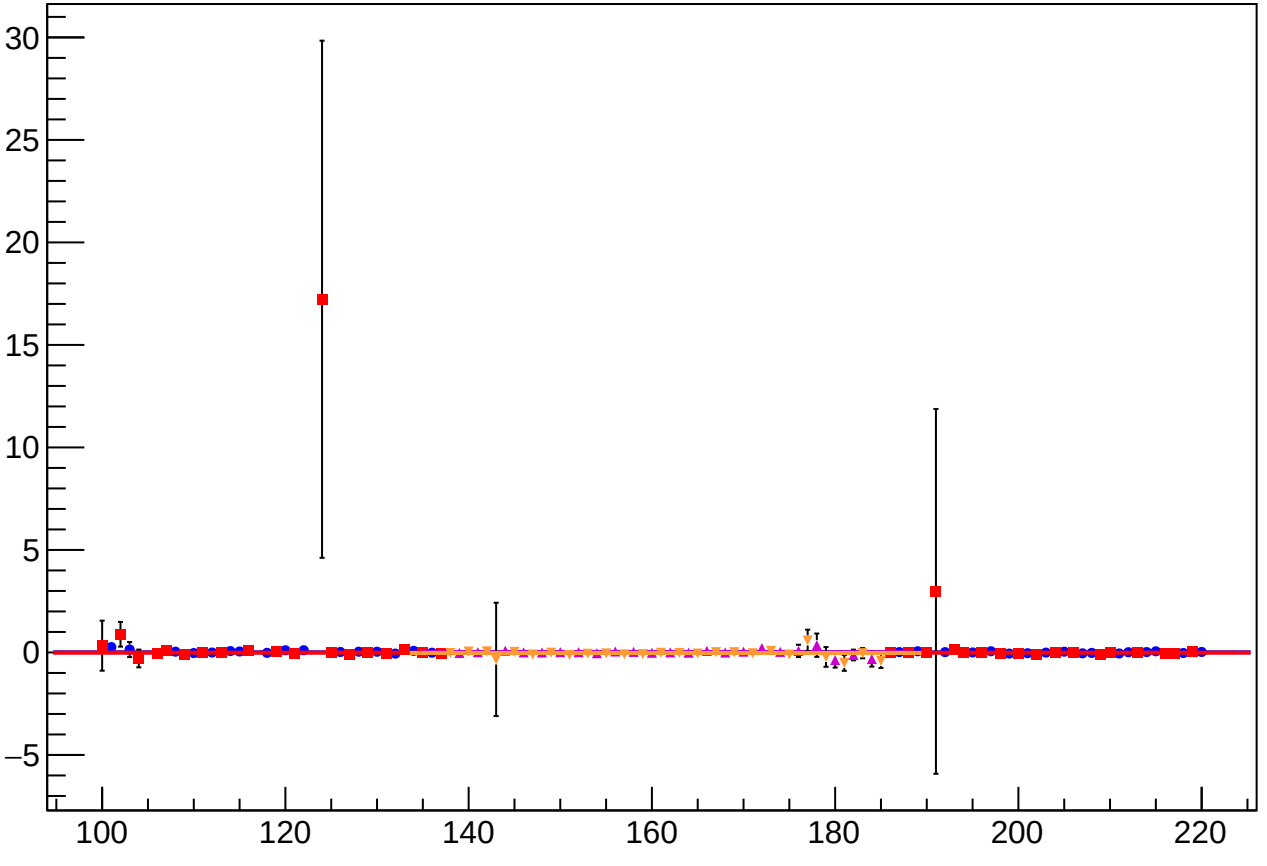
Right: 0.002+/-0.000 χ^2/NDF: 38658505.4/69

In: 0.002+/-0.000 χ^2/NDF:31542159.7/55

Out: 0.002+/-0.000 χ^2/NDF:34225655.4/61

All: 0.002+/-0.000 χ^2/NDF: 65844278.9/117

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

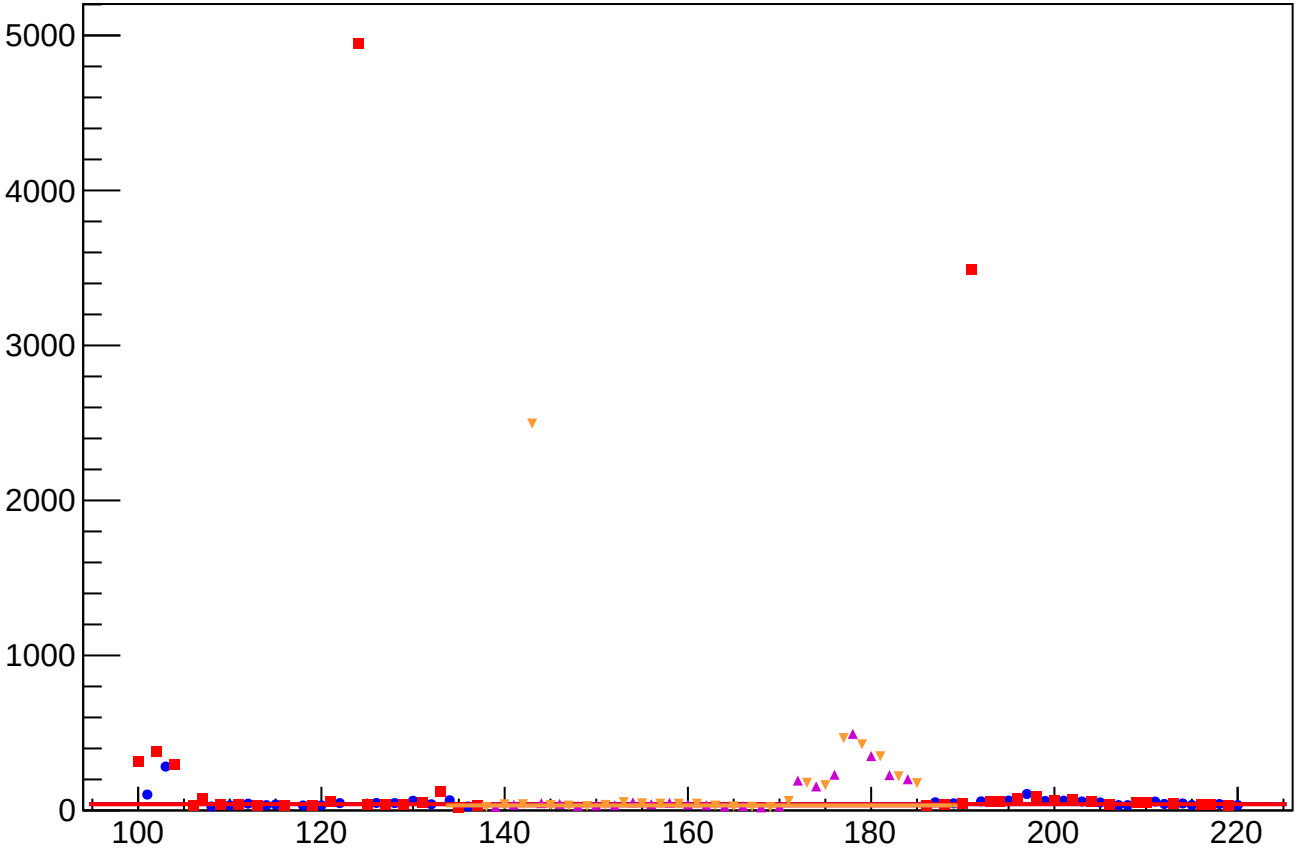
Right: -0.001+/-0.007 χ^2/NDF: 51.8/69

In: 0.010+/-0.007 χ^2/NDF:32.6/55

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.1/117

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.762+/-0.007 χ^2/NDF: 4375387.0/32

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

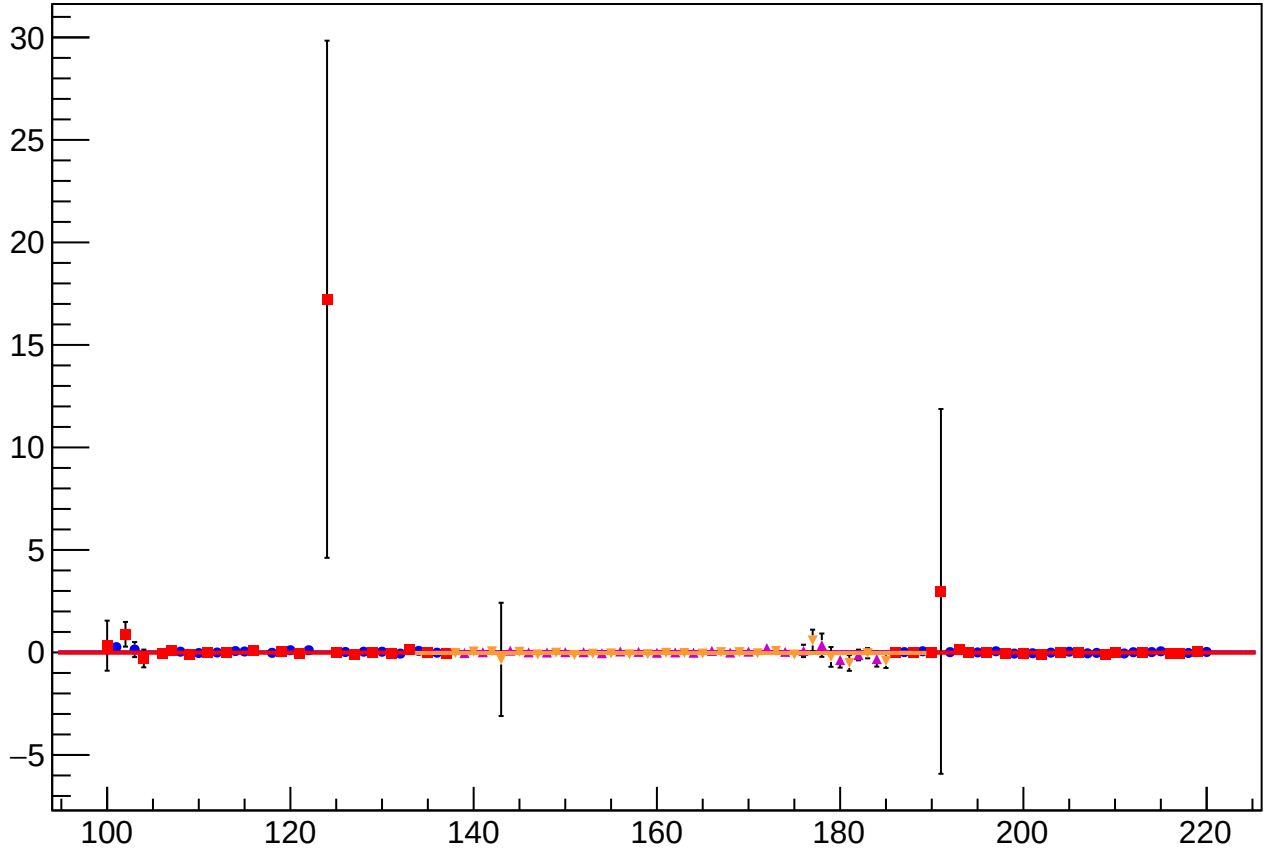
Right: 40.585+/-0.005 χ^2/NDF: 10018481.8/69

In: 36.535+/-0.005 χ^2/NDF:14014727.5/55

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.401+/-0.003 χ^2/NDF: 31174841.4/117

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

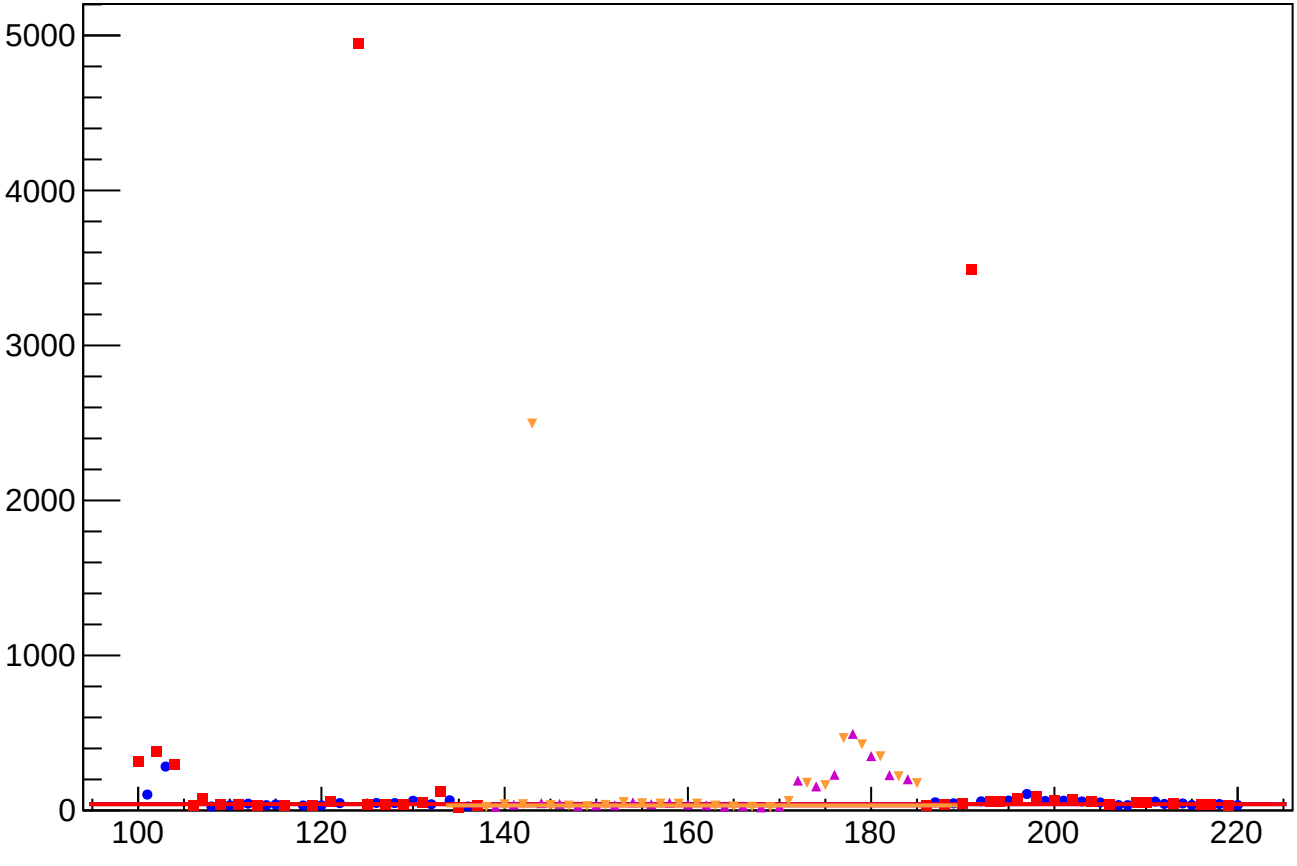
Right: -0.001+/-0.007 χ^2/NDF: 51.8/69

In: 0.010+/-0.007 χ^2/NDF:32.6/55

Out: -0.019+/-0.007 χ^2/NDF:60.7/61

All: -0.005+/-0.005 χ^2/NDF: 102.1/117

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.762+/-0.007 χ^2/NDF: 4375387.0/32

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

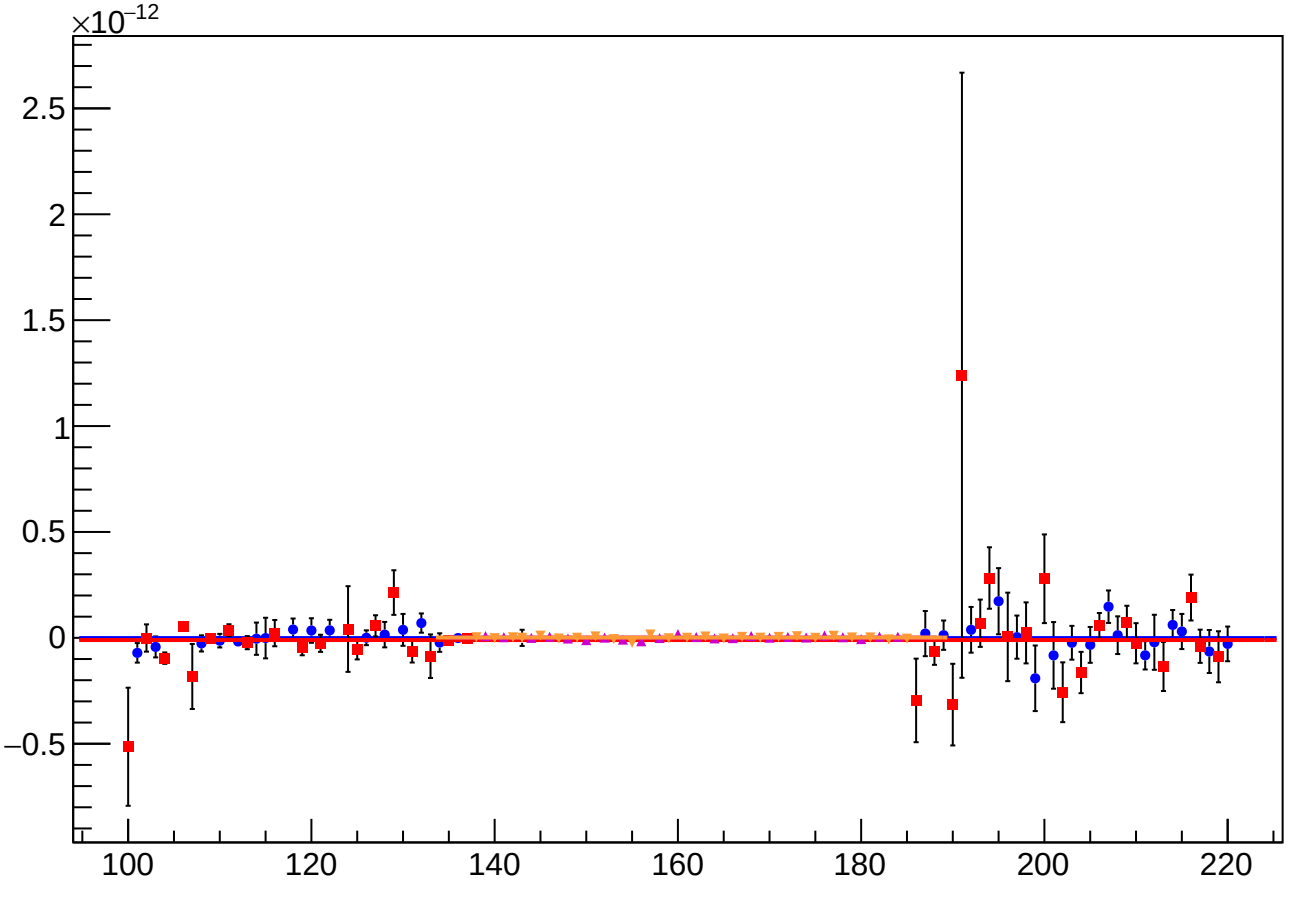
Right: 40.585+/-0.005 χ^2/NDF: 10018481.8/69

In: 36.535+/-0.005 χ^2/NDF:14014727.5/55

Out: 36.266+/-0.005 χ^2/NDF:17158601.7/61

All: 36.401+/-0.003 χ^2/NDF: 31174841.4/117

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 65.5/36

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

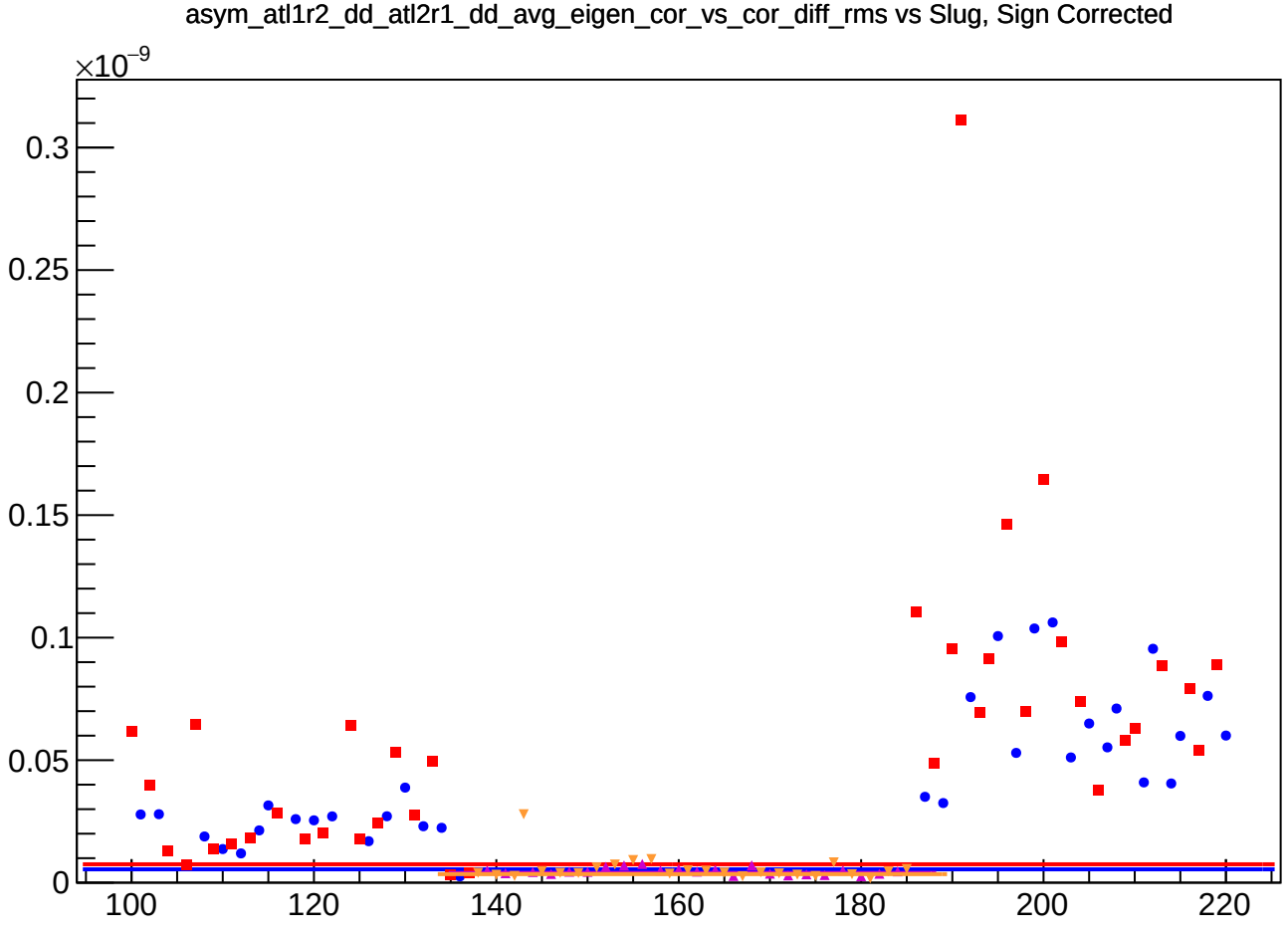
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

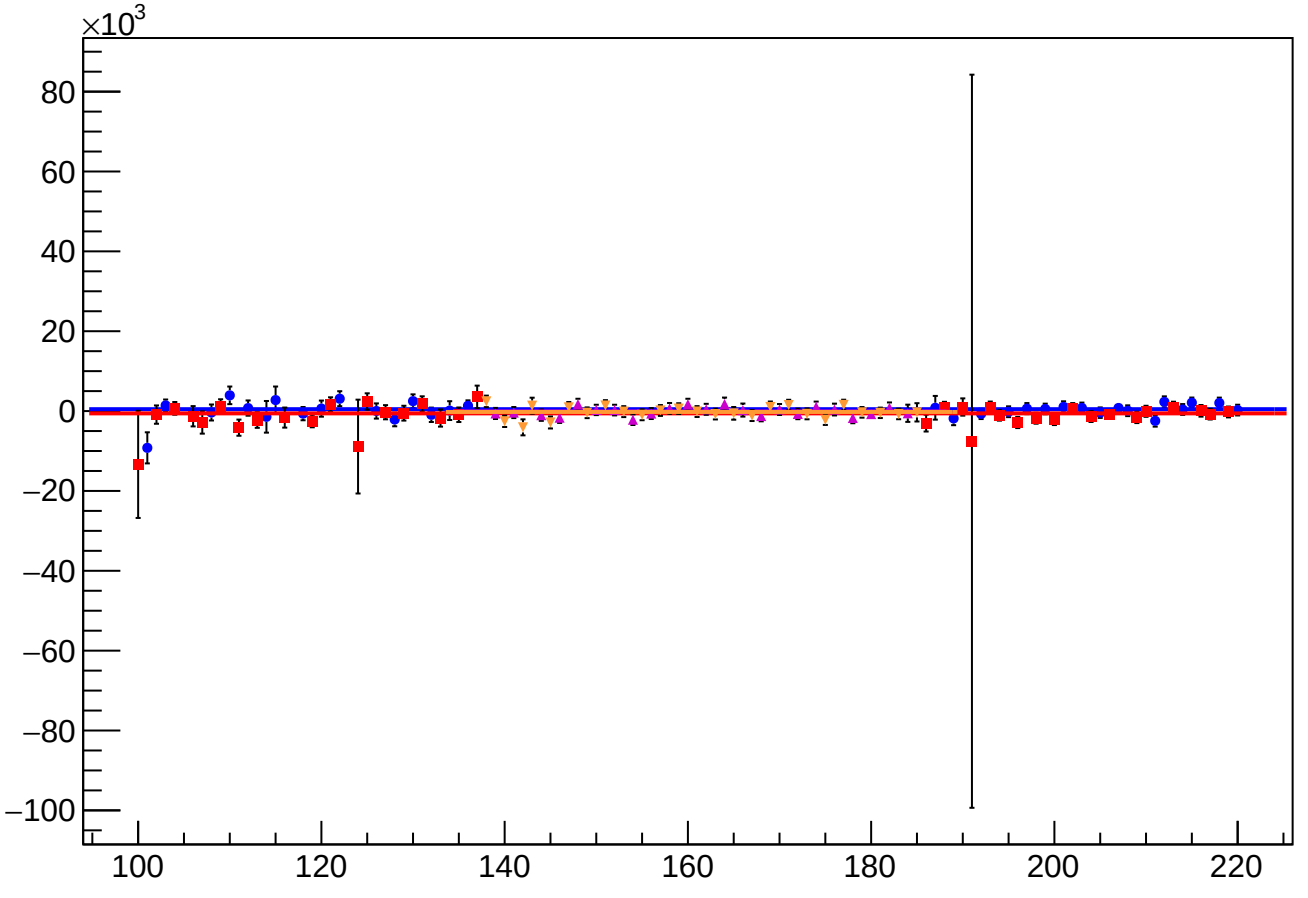
Right: -0.000+/-0.000 χ^2/NDF: 87.2/69

In: 0.000+/-0.000 χ^2/NDF:47.9/55

Out: 0.000+/-0.000 χ^2/NDF:91.3/61

All: 0.000+/-0.000 χ^2/NDF: 139.2/117


asym_atl1r2_dd_atl2r1_dd_avg_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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 17764139.2/32
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 17918262.2/36
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 35982079.3/69
In: 0.000+/-0.000 χ²/NDF:20179317.9/55
Out: 0.000+/-0.000 χ²/NDF:24392038.8/61
All: 0.000+/-0.000 χ²/NDF: 44704325.5/117



Right In: 473.348+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -576.736+/-277.611 χ^2/NDF: 29.8/36

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

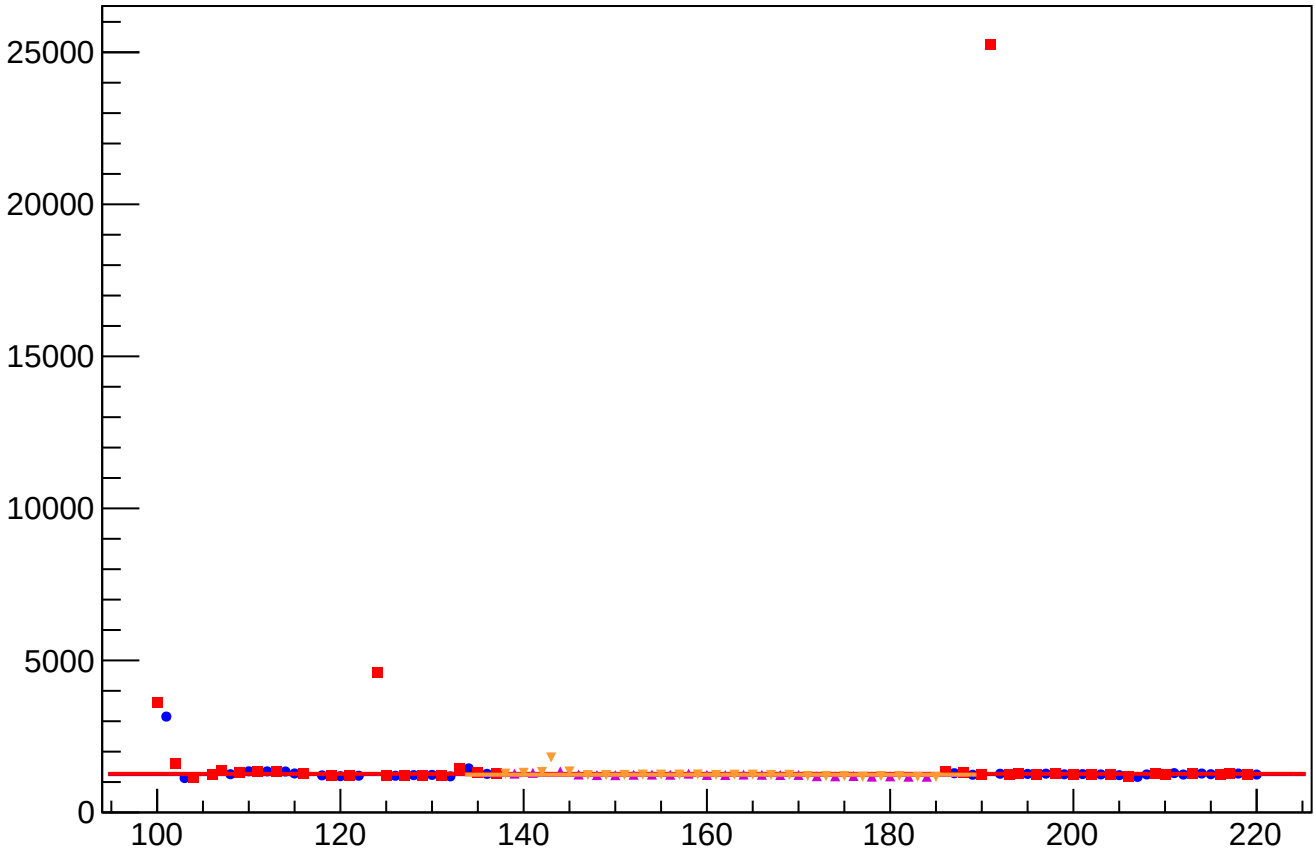
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -49.452+/-195.881 χ^2/NDF: 66.6/69

In: 202.280+/-199.502 χ^2/NDF:46.3/55

Out: -402.185+/-198.197 χ^2/NDF:54.5/61

All: -101.935+/-140.605 χ^2/NDF: 105.5/117



Right In: 1260.165+/-0.195 χ^2/NDF: 536294.4/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

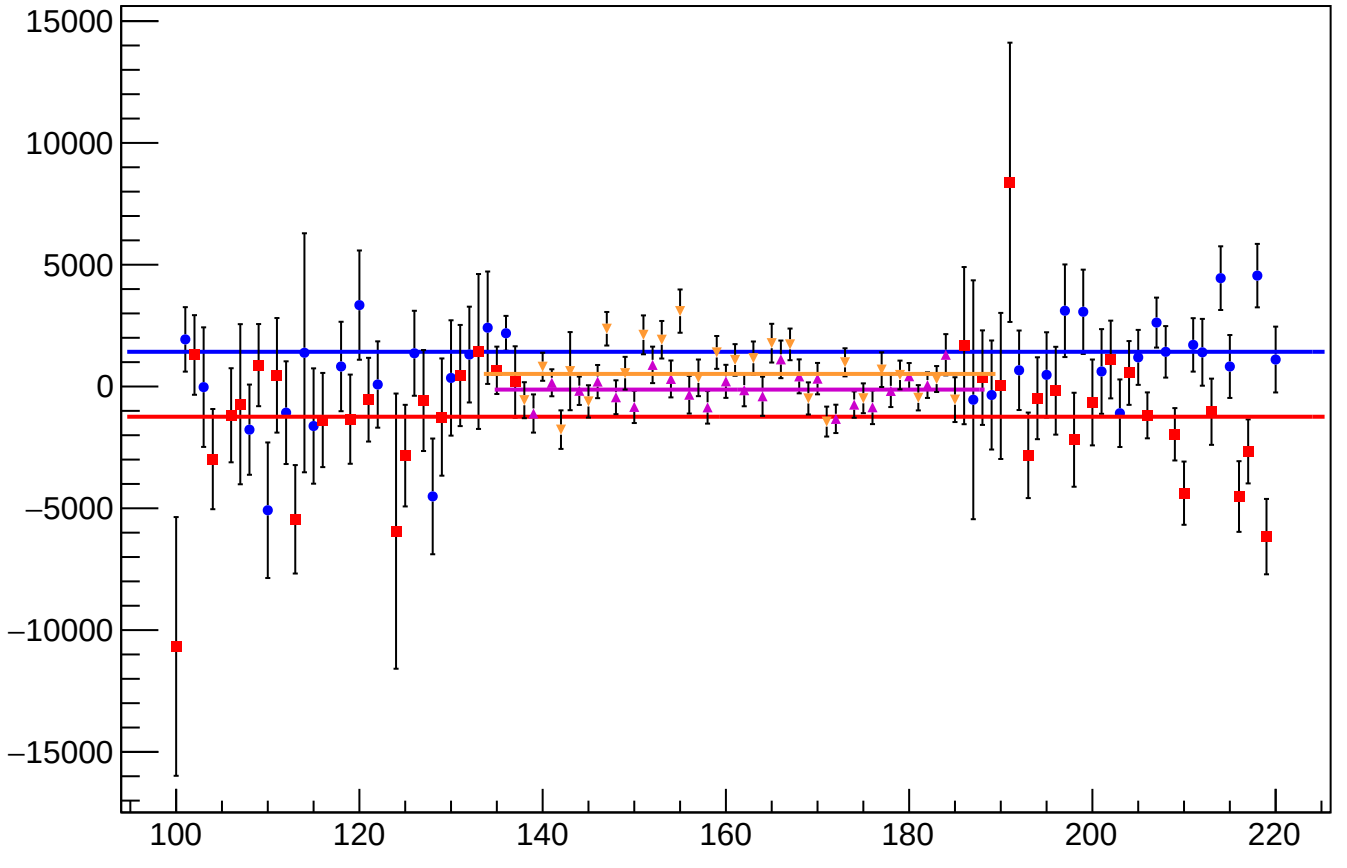
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1264.835+/-0.139 χ^2/NDF: 1025043.8/69

In: 1247.510+/-0.141 χ^2/NDF:584325.2/55

Out: 1256.445+/-0.140 χ^2/NDF:699986.5/61

All: 1252.007+/-0.099 χ^2/NDF: 1286330.4/11



Right In: 1425.047+/-265.047 χ^2/NDF: 40.6/32

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -1240.765+/-279.291 χ^2/NDF: 52.7/36

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

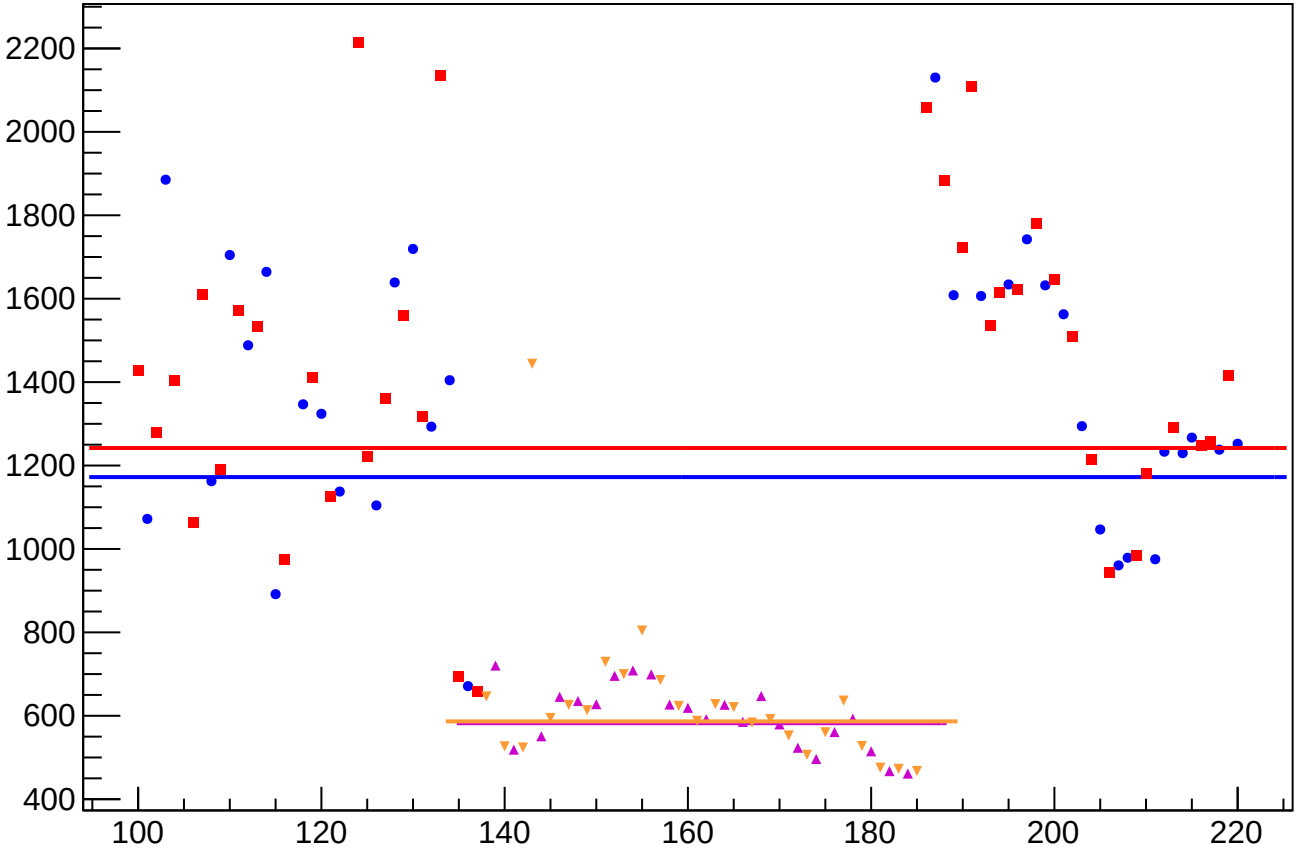
Right: 161.852+/-192.255 χ^2/NDF: 141.2/69

In: 201.582+/-121.890 χ^2/NDF:89.1/55

Out: 180.938+/-122.089 χ^2/NDF:151.7/61

All: 191.277+/-86.260 χ^2/NDF: 240.9/117

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1172.273+/-0.187 χ^2/NDF: 2720621.6/32

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

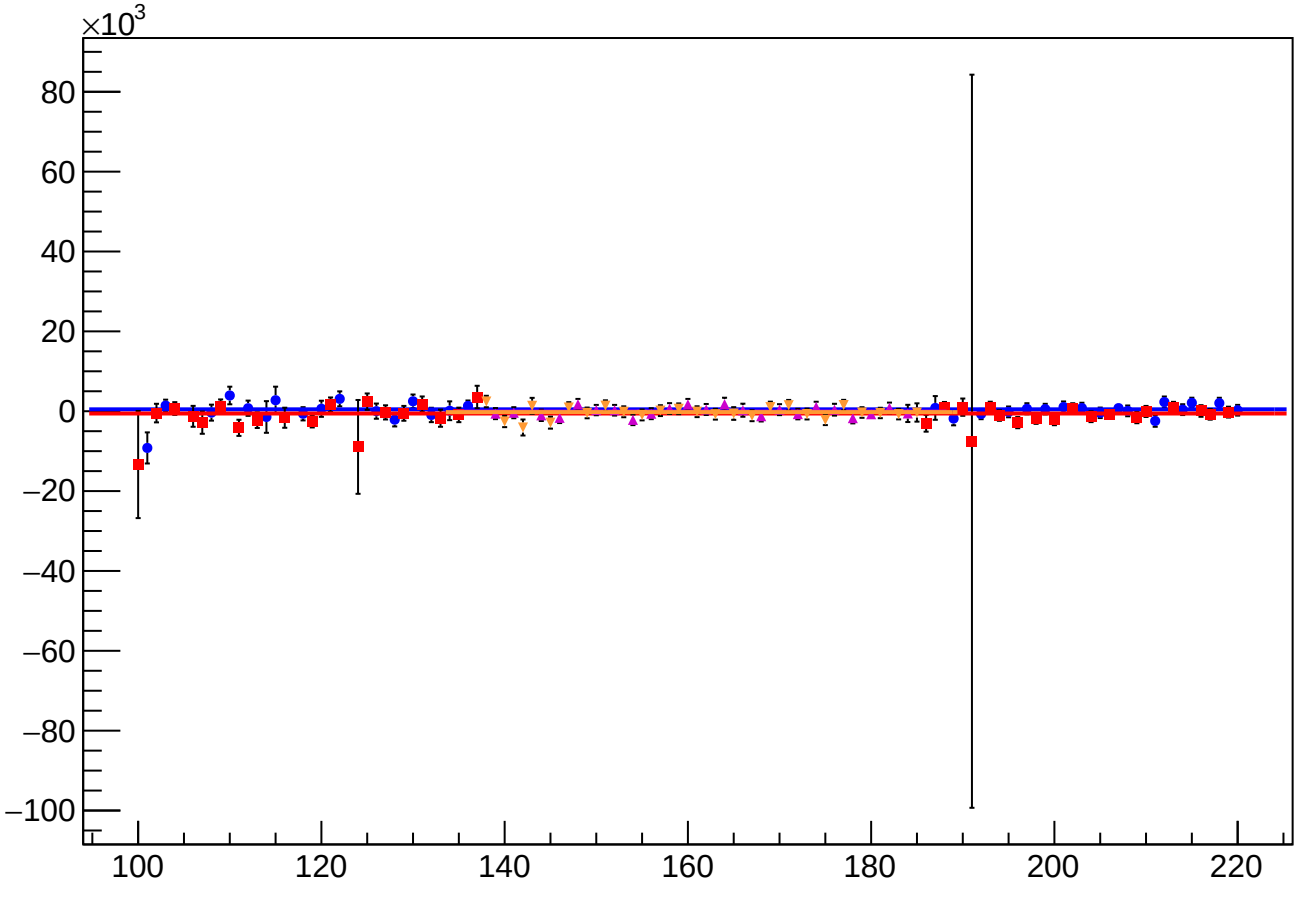
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1205.352+/-0.136 χ^2/NDF: 5551055.9/69

In: 706.987+/-0.086 χ^2/NDF:11096482.7/55

Out: 711.822+/-0.086 χ^2/NDF:12880018.2/61

All: 709.401+/-0.061 χ^2/NDF: 23978072.1/11



Right In: 473.529+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

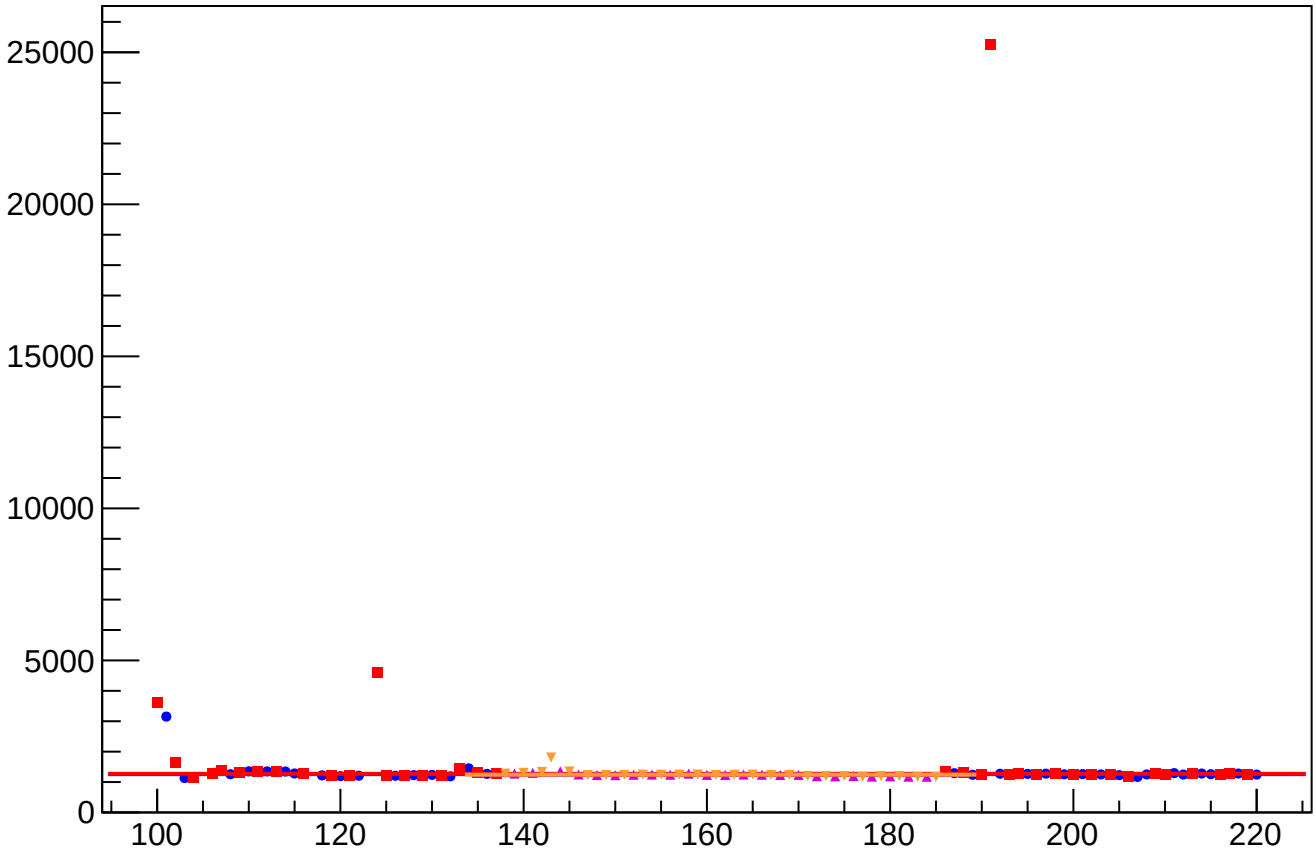
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -45.697+/-195.936 χ^2/NDF: 66.5/69

In: 202.341+/-199.502 χ^2/NDF:46.3/55

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -100.041+/-140.626 χ^2/NDF: 105.4/117



Right In: 1260.165+/-0.195 χ^2/NDF: 536295.8/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

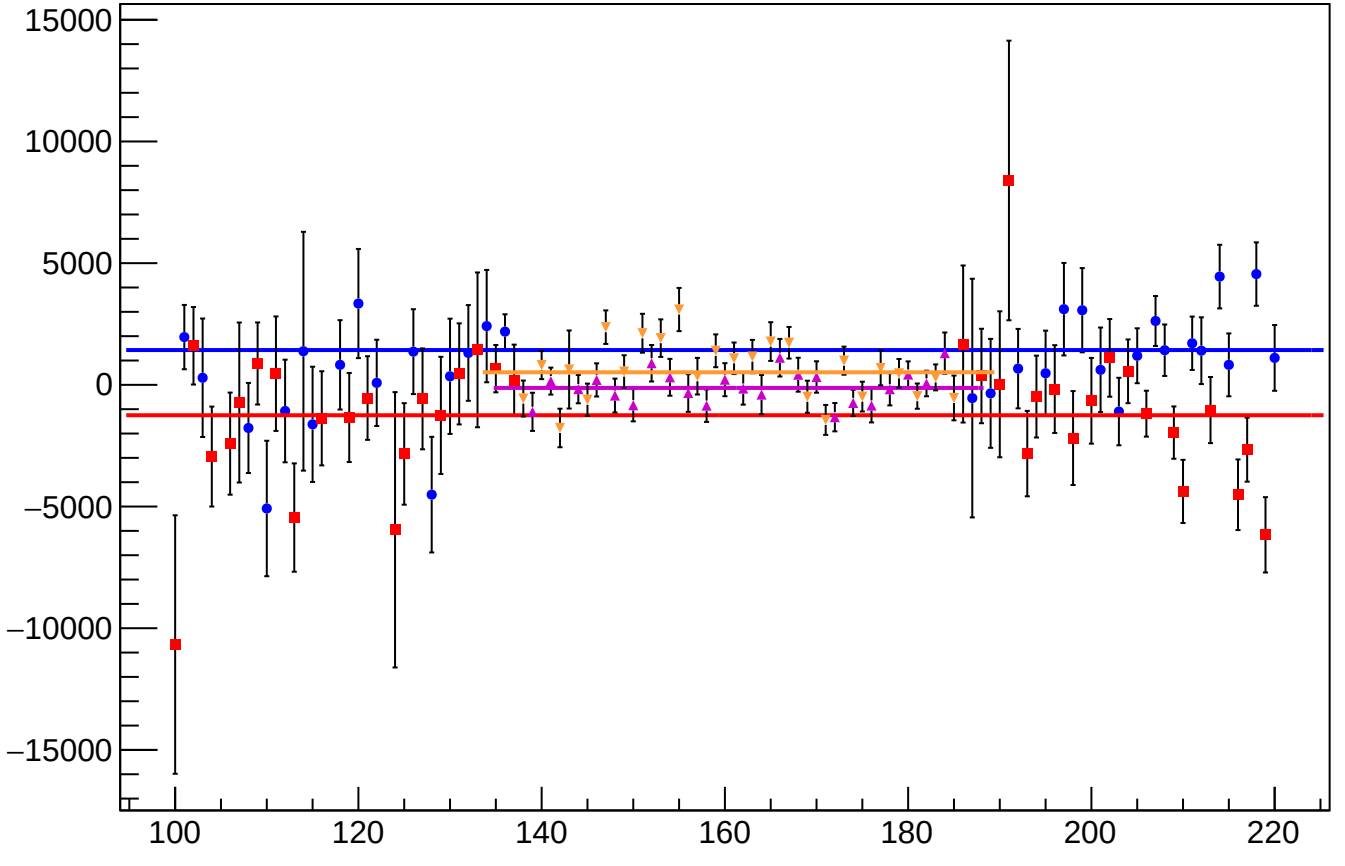
Right: 1265.205+/-0.139 χ^2/NDF: 1032423.4/69

In: 1247.510+/-0.141 χ^2/NDF:584326.5/55

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1252.193+/-0.099 χ^2/NDF: 1294202.6/11

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 1429.719+/-265.004 χ^2/NDF: 40.5/32

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

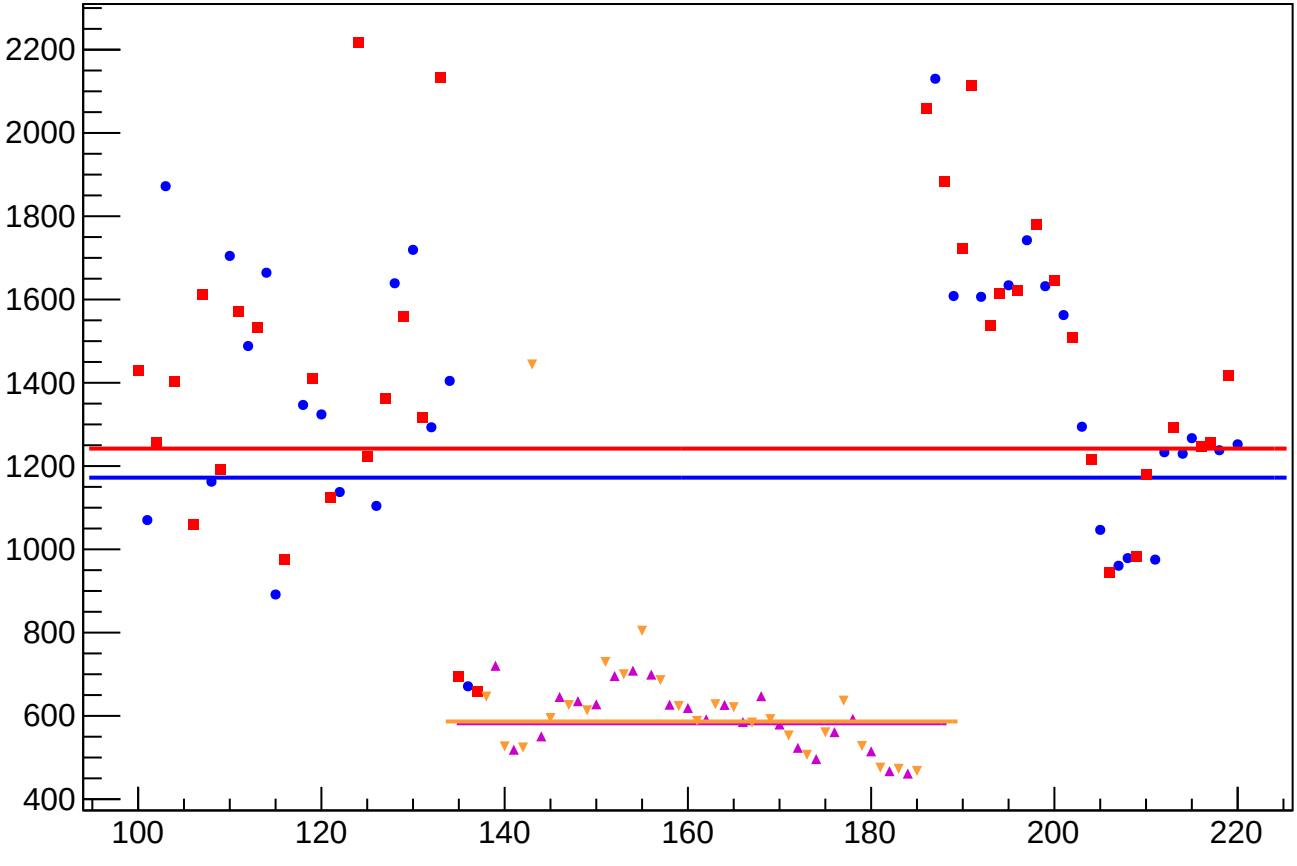
Right: 161.738+/-192.310 χ^2/NDF: 142.6/69

In: 202.668+/-121.885 χ^2/NDF:89.2/55

Out: 179.832+/-122.108 χ^2/NDF:153.1/61

All: 191.271+/-86.265 χ^2/NDF: 242.3/117

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1172.169+/-0.187 χ^2/NDF: 2717592.7/32

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

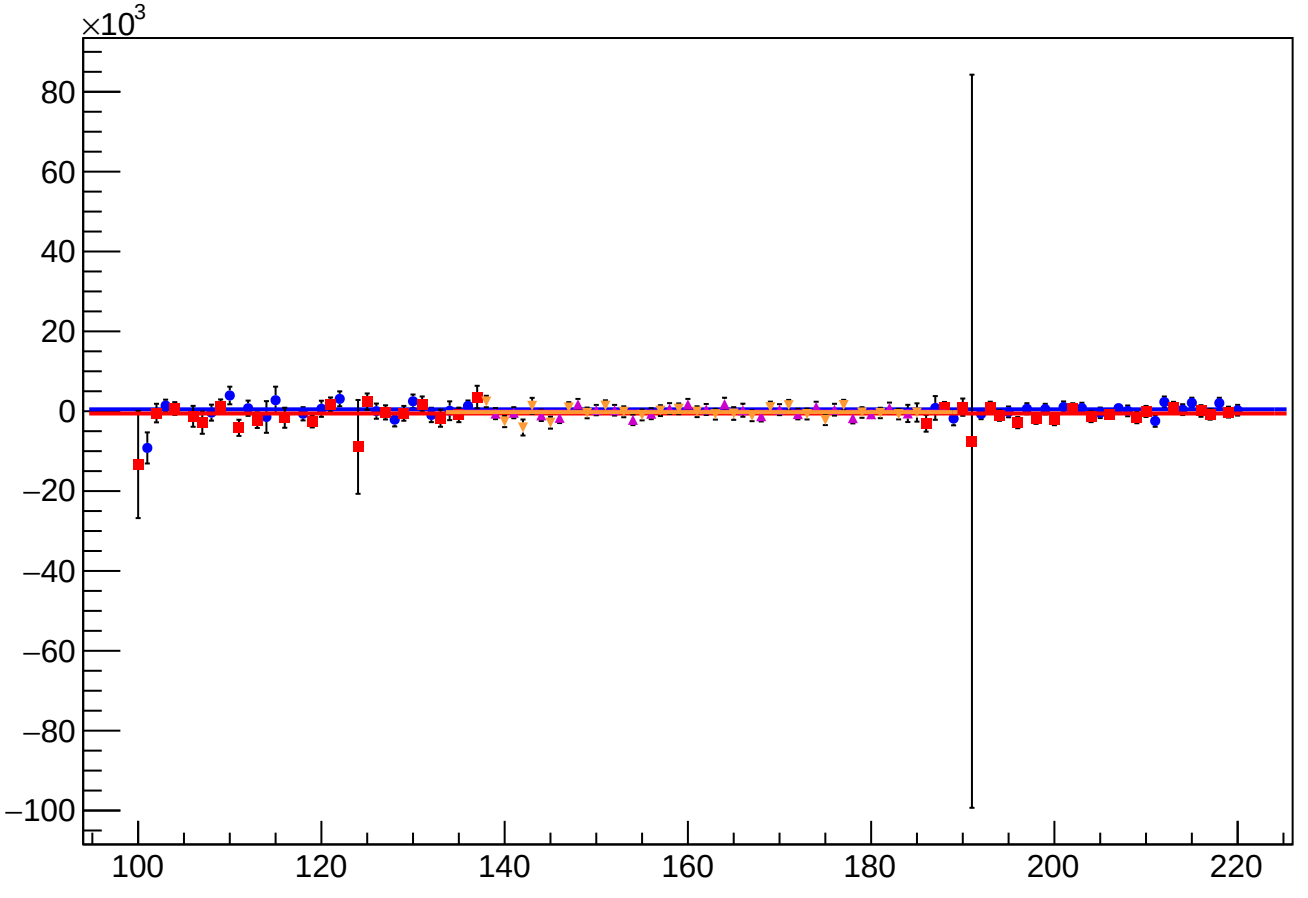
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1205.207+/-0.136 χ^2/NDF: 5545353.6/69

In: 706.995+/-0.086 χ^2/NDF:11092748.2/55

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 709.316+/-0.061 χ^2/NDF: 23956741.0/11



Right In: 473.529+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

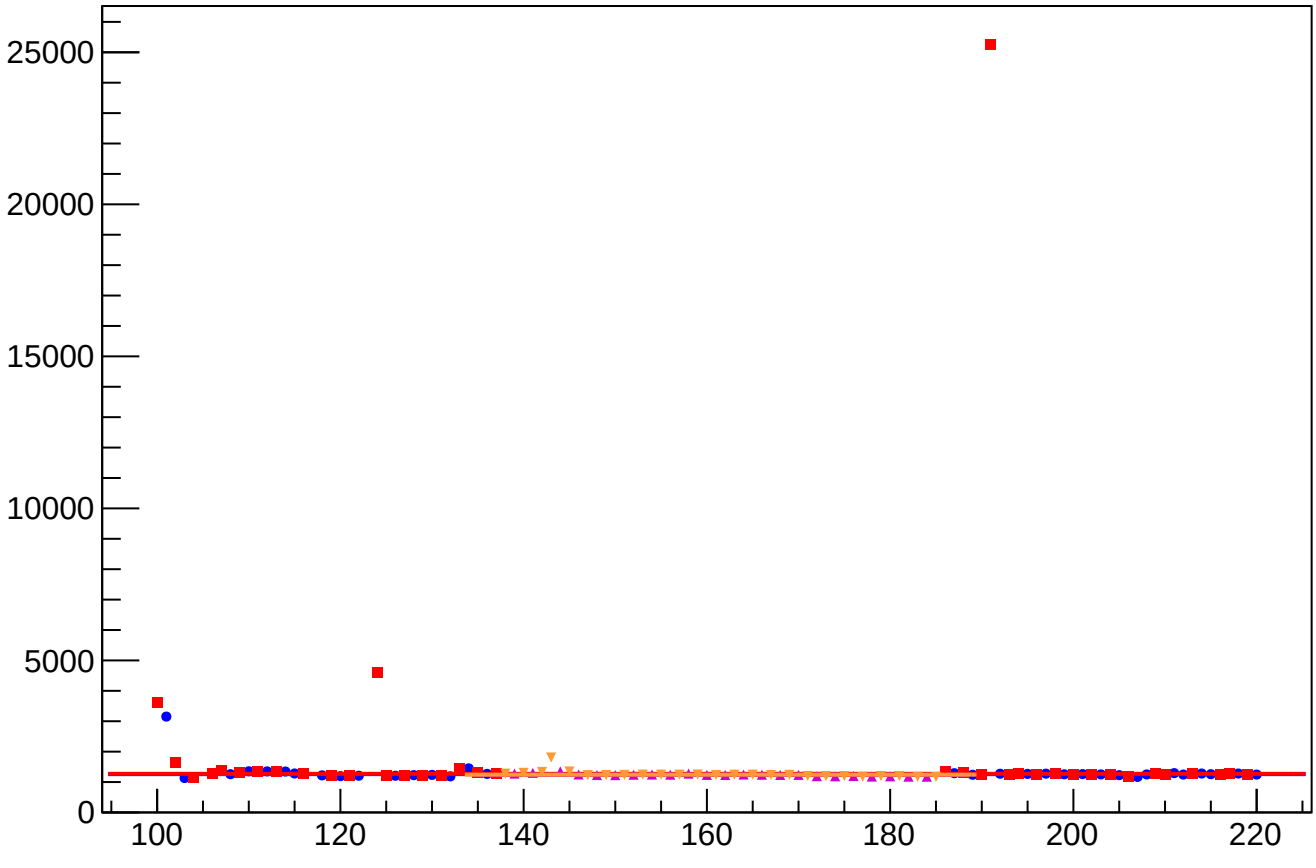
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -45.697+/-195.936 χ^2/NDF: 66.5/69

In: 202.341+/-199.502 χ^2/NDF:46.3/55

Out: -398.654+/-198.254 χ^2/NDF:54.5/61

All: -100.041+/-140.626 χ^2/NDF: 105.4/117



Right In: 1260.165+/-0.195 χ^2/NDF: 536295.8/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

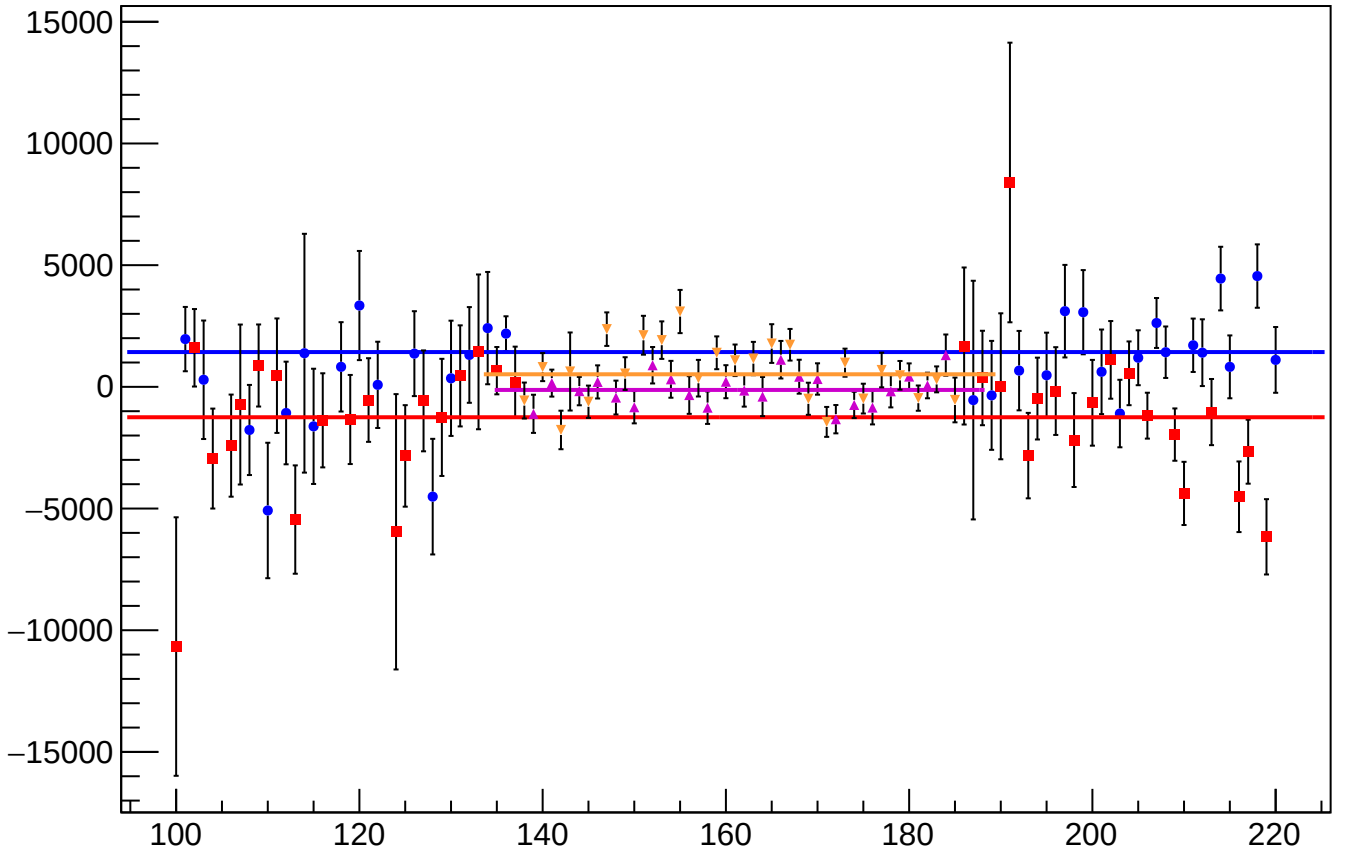
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.205+/-0.139 χ^2/NDF: 1032423.4/69

In: 1247.510+/-0.141 χ^2/NDF:584326.5/55

Out: 1256.818+/-0.140 χ^2/NDF:707685.7/61

All: 1252.193+/-0.099 χ^2/NDF: 1294202.6/11



Right In: 1429.719+/-265.004 χ^2/NDF: 40.5/32

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

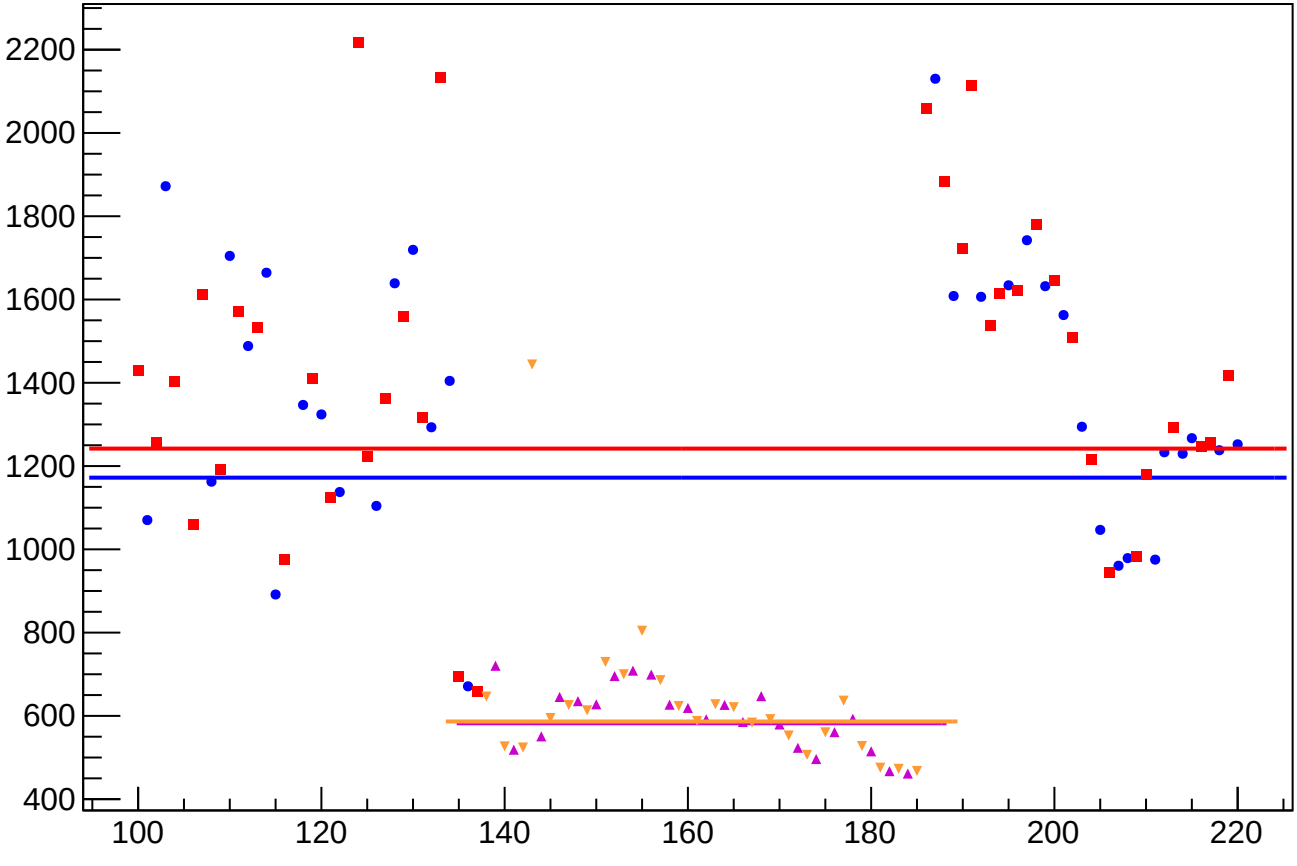
Right: 161.738+/-192.310 χ^2/NDF: 142.6/69

In: 202.668+/-121.885 χ^2/NDF:89.2/55

Out: 179.832+/-122.108 χ^2/NDF:153.1/61

All: 191.271+/-86.265 χ^2/NDF: 242.3/117

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1172.169+/-0.187 χ^2/NDF: 2717592.7/32

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

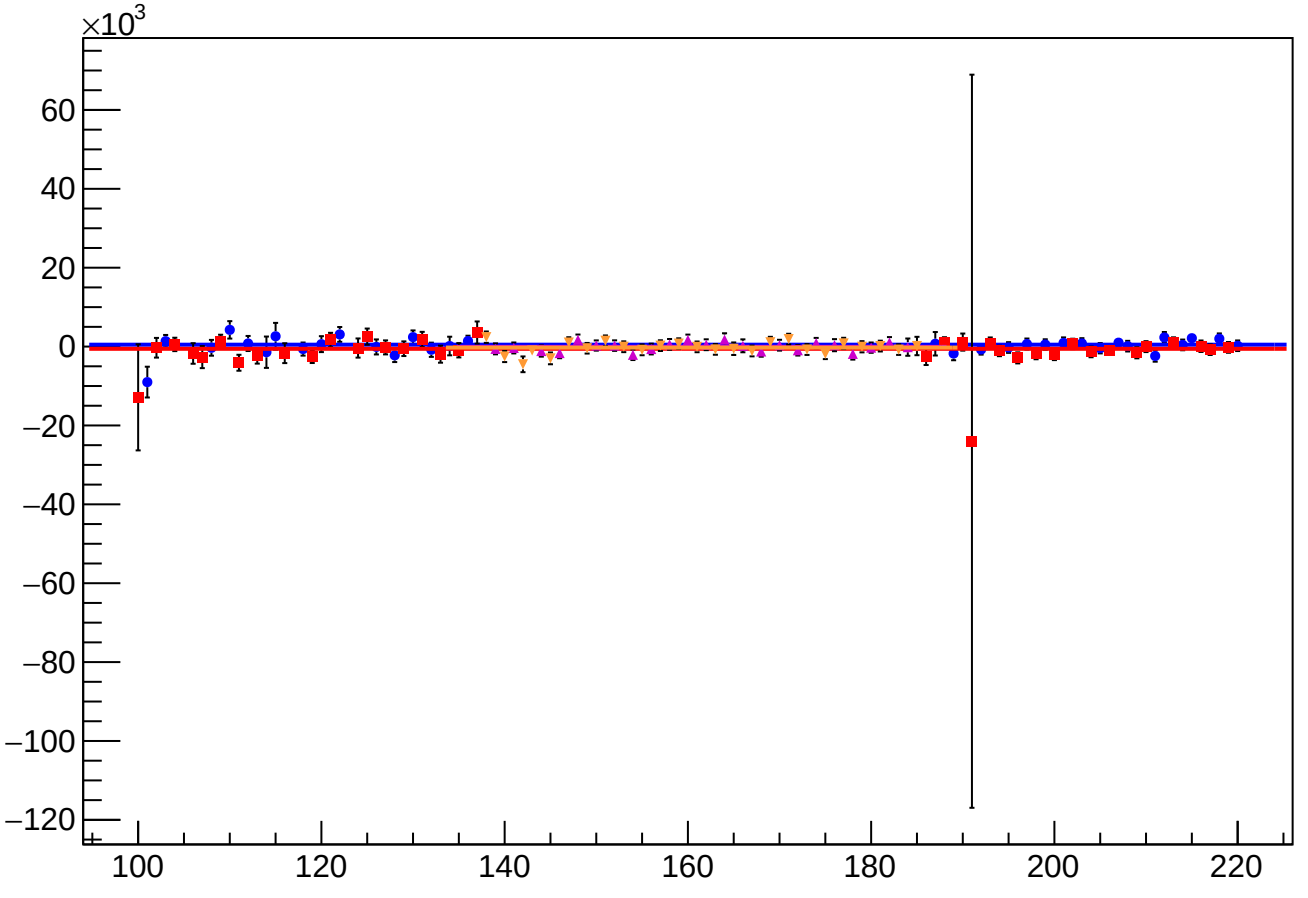
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1205.207+/-0.136 χ^2/NDF: 5545353.6/69

In: 706.995+/-0.086 χ^2/NDF:11092748.2/55

Out: 711.645+/-0.086 χ^2/NDF:12862539.7/61

All: 709.316+/-0.061 χ^2/NDF: 23956741.0/11



Right In: 478.364+/-277.186 χ^2/NDF: 29.5/32

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -567.132+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

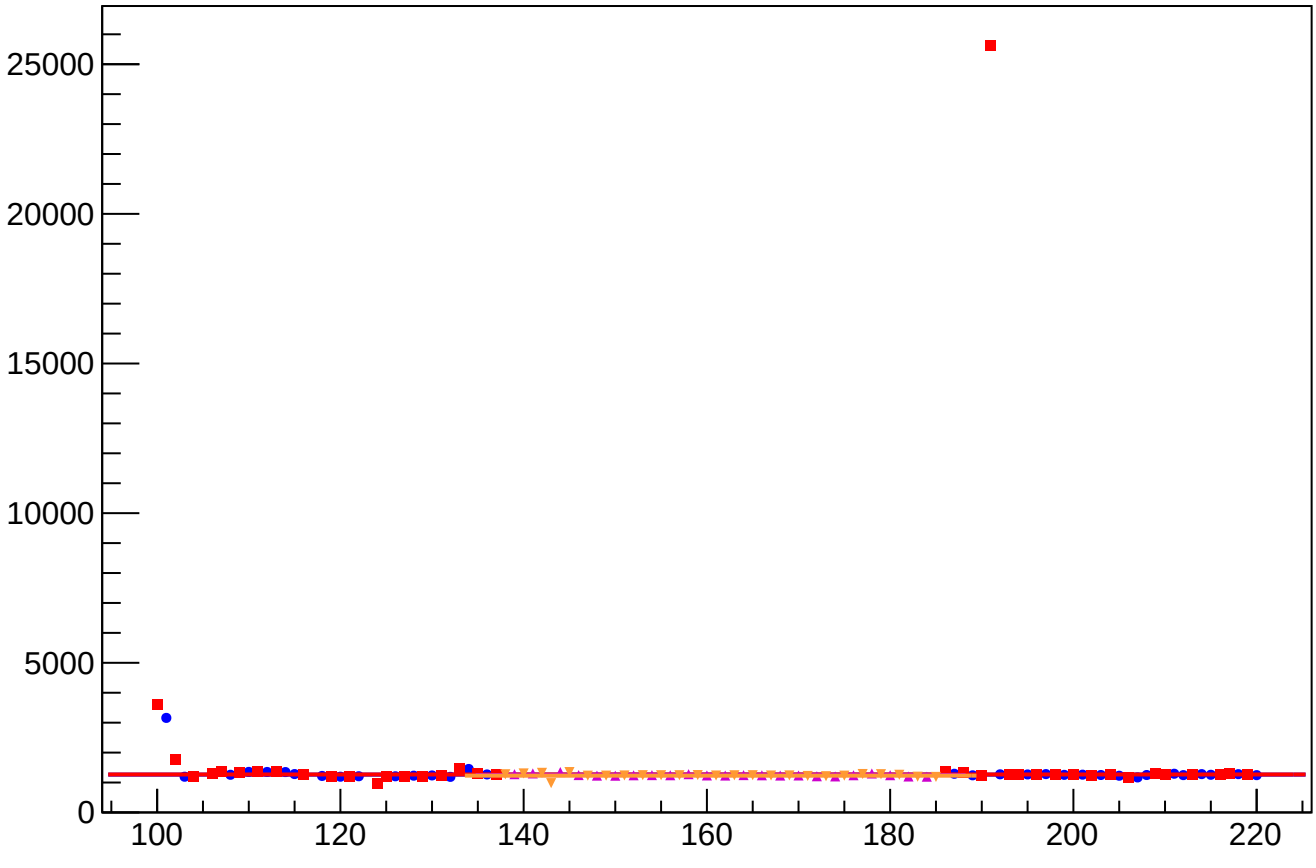
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -44.325+/-196.011 χ^2/NDF: 66.0/69

In: 215.619+/-200.856 χ^2/NDF:45.4/55

Out: -410.527+/-196.972 χ^2/NDF:54.0/61

All: -103.567+/-140.633 χ^2/NDF: 104.4/117



Right In: 1263.760+/-0.196 χ^2/NDF: 526092.4/32

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

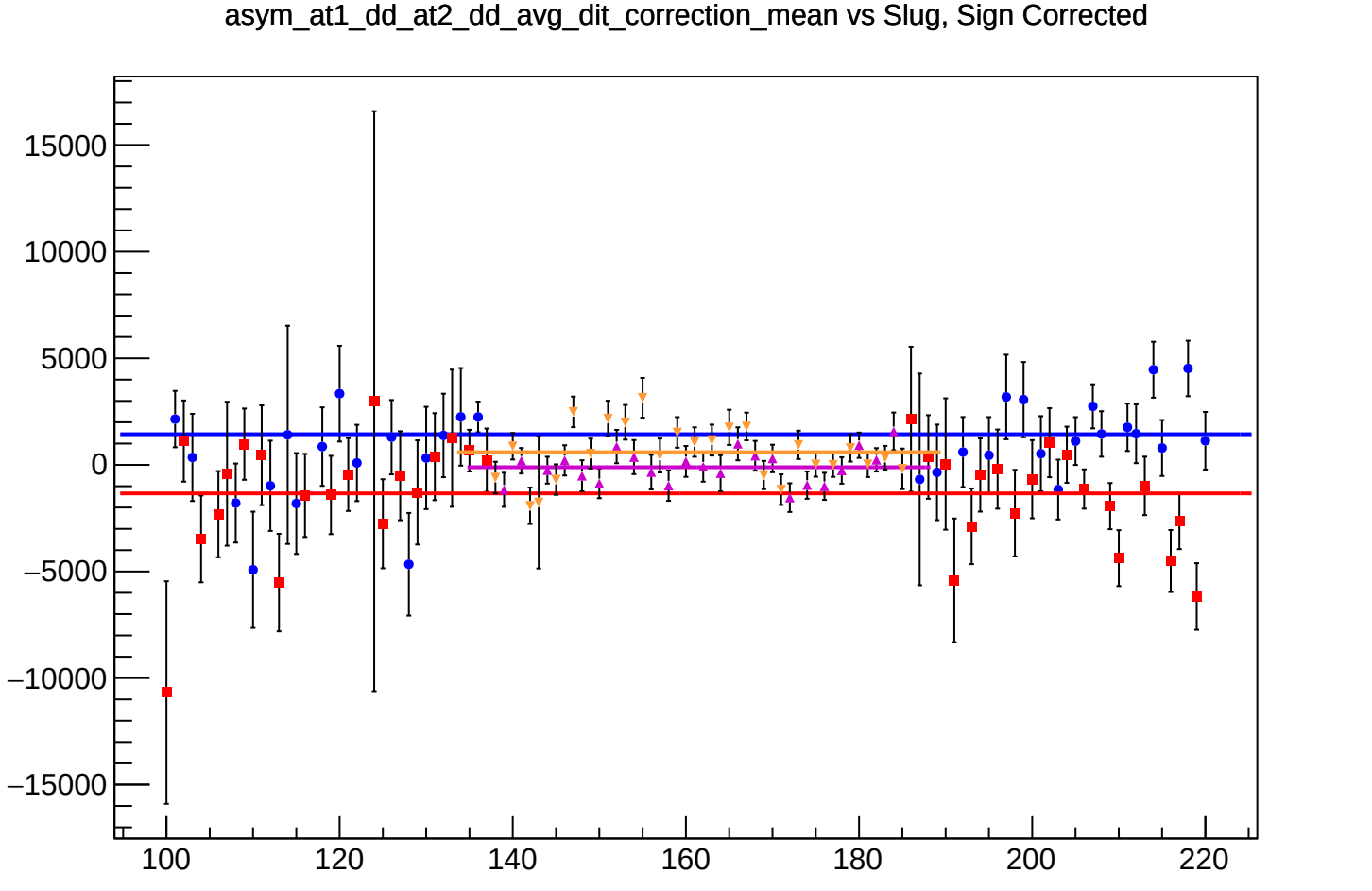
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.444+/-0.139 χ^2/NDF: 912449.0/69

In: 1256.173+/-0.142 χ^2/NDF:556588.2/55

Out: 1249.747+/-0.139 χ^2/NDF:547331.4/61

All: 1252.898+/-0.099 χ^2/NDF: 1104963.3/11



Right In: 1438.640+/-266.320 χ^2/NDF: 41.3/32

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -1336.522+/-281.612 χ^2/NDF: 50.7/36

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

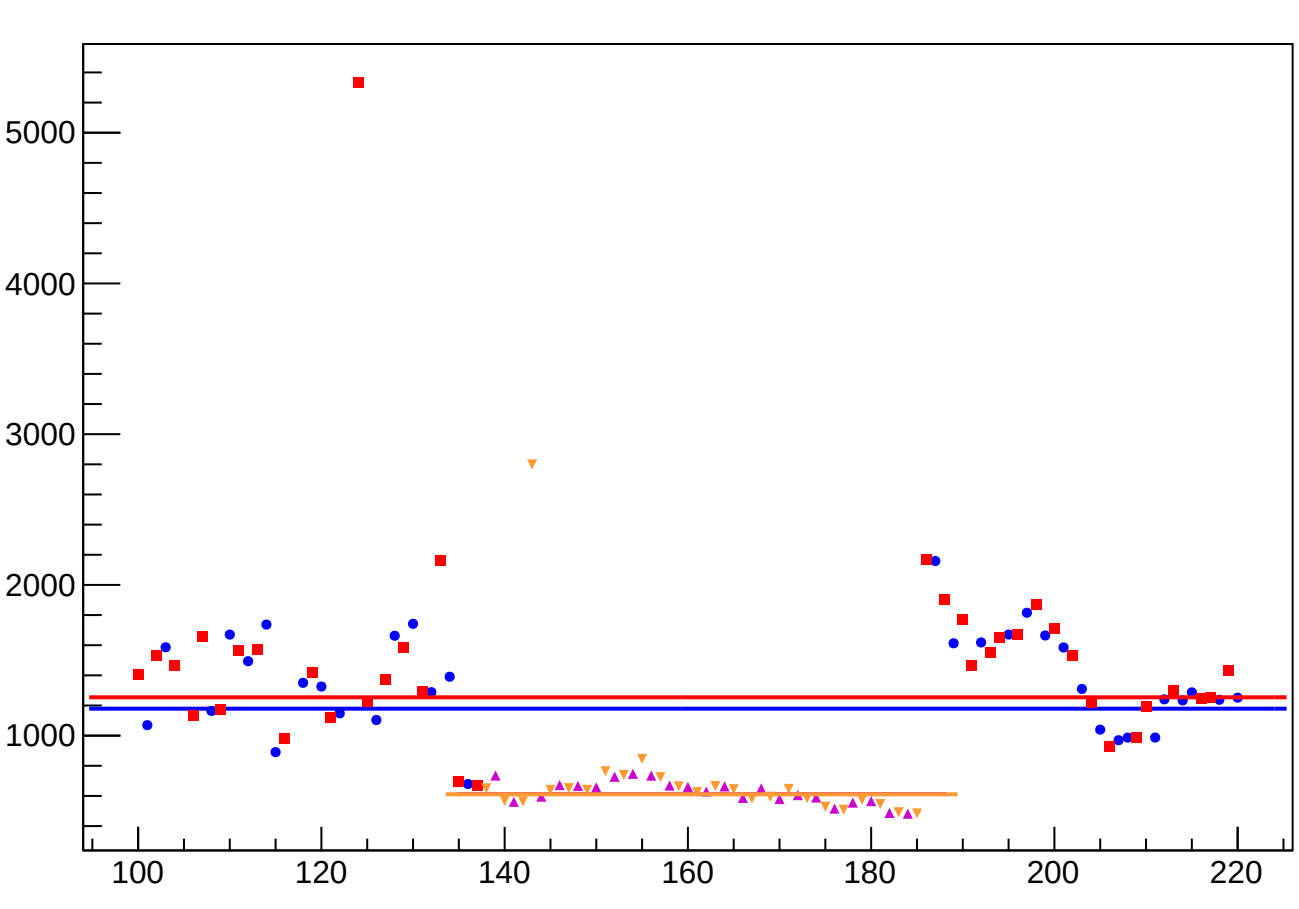
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 128.449+/-193.497 χ^2/NDF: 143.3/69

In: 241.016+/-126.827 χ^2/NDF:93.2/55

Out: 202.875+/-126.886 χ^2/NDF:145.5/61

All: 221.955+/-89.701 χ^2/NDF: 238.7/117



Right In: 1178.964+/-0.188 χ^2/NDF: 2656796.5/32

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

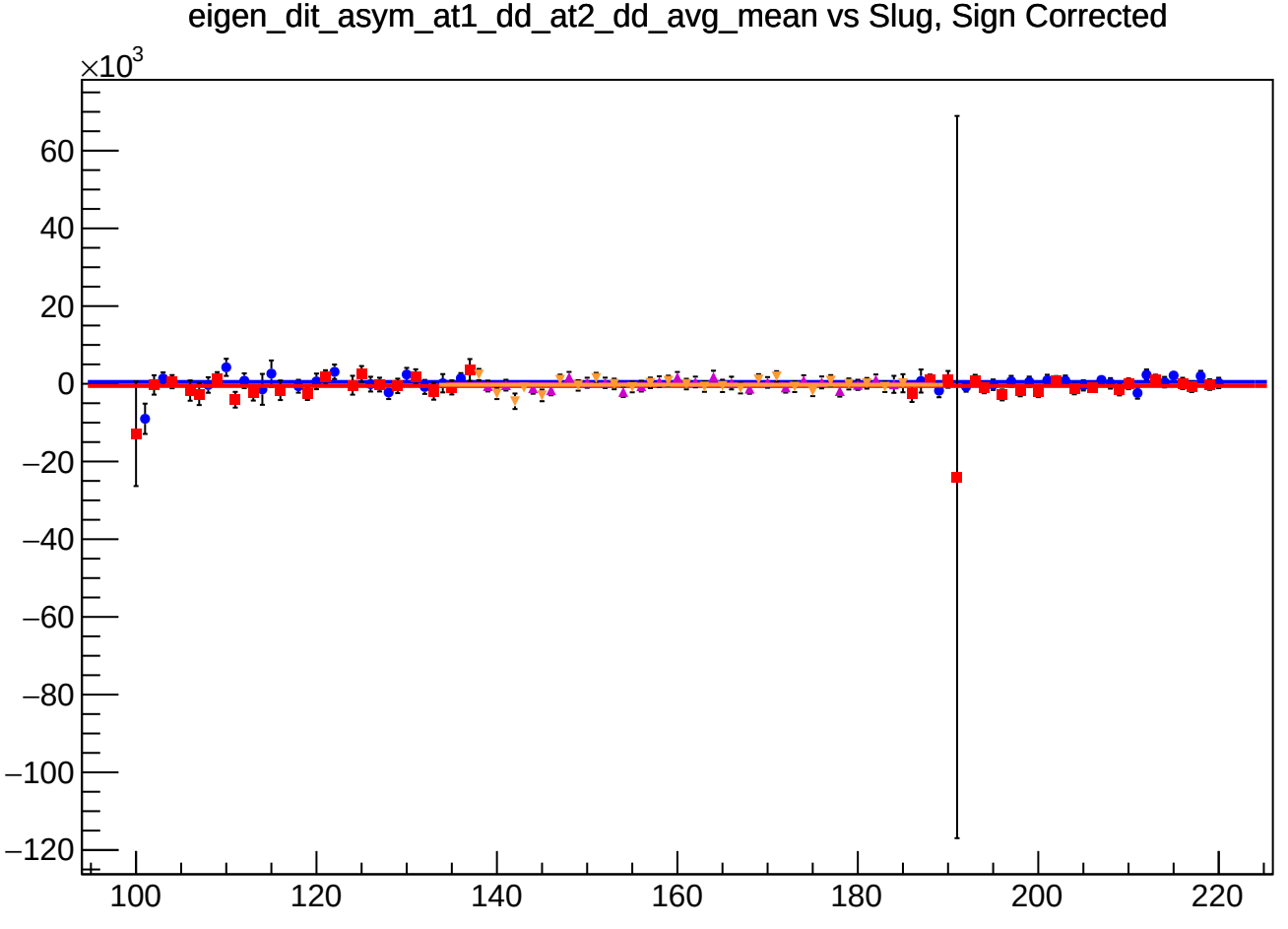
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1214.555+/-0.137 χ^2/NDF: 5789220.4/69

In: 740.888+/-0.090 χ^2/NDF:10164164.7/55

Out: 741.678+/-0.090 χ^2/NDF:12992940.7/61

All: 741.283+/-0.063 χ^2/NDF: 23157144.2/1



Right In: 478.360+/-277.186 χ^2/NDF: 29.5/32

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -567.130+/-277.217 χ^2/NDF: 29.3/36

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

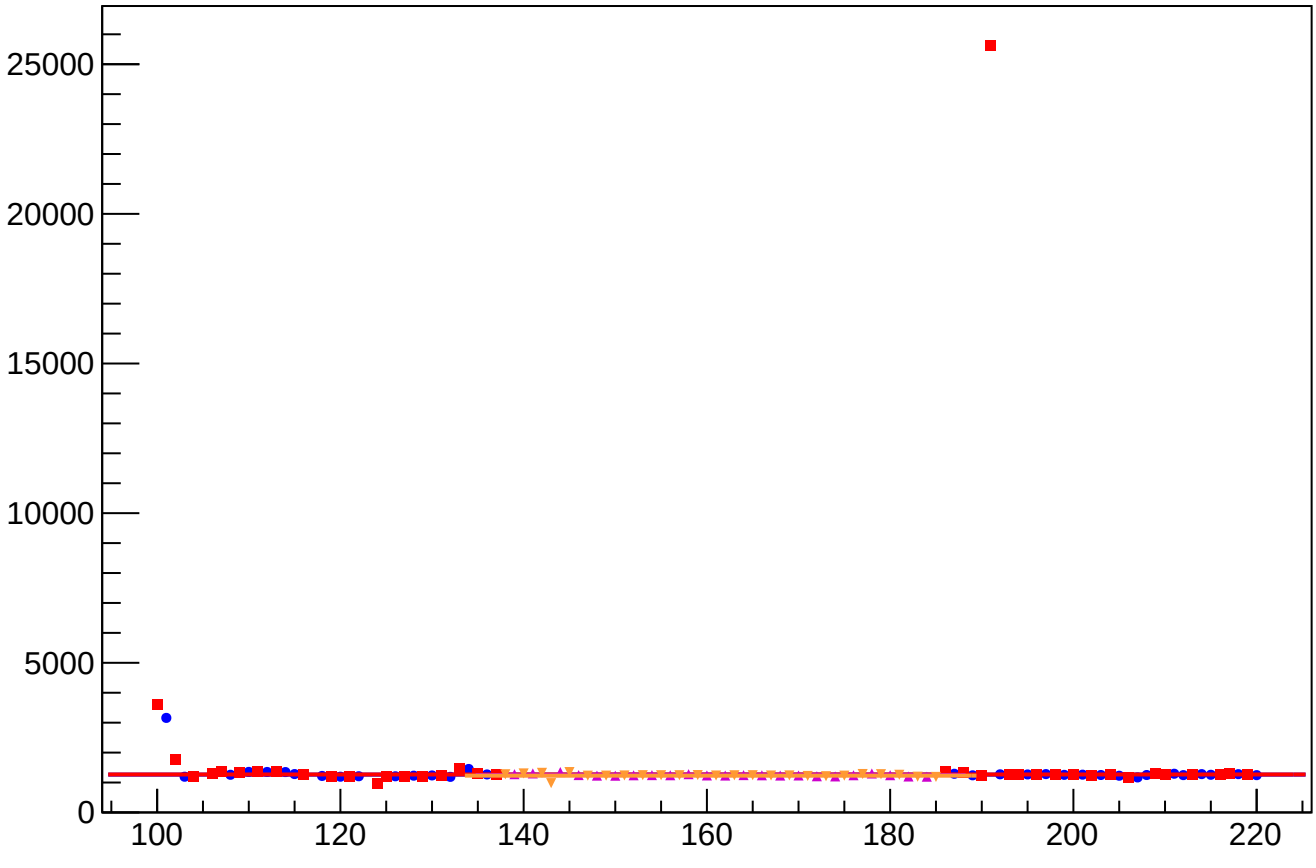
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -44.326+/-196.011 χ^2/NDF: 66.0/69

In: 215.616+/-200.856 χ^2/NDF:45.4/55

Out: -410.526+/-196.972 χ^2/NDF:54.0/61

All: -103.568+/-140.633 χ^2/NDF: 104.4/117



Right In: 1263.760+/-0.196 χ^2/NDF: 526092.5/32

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

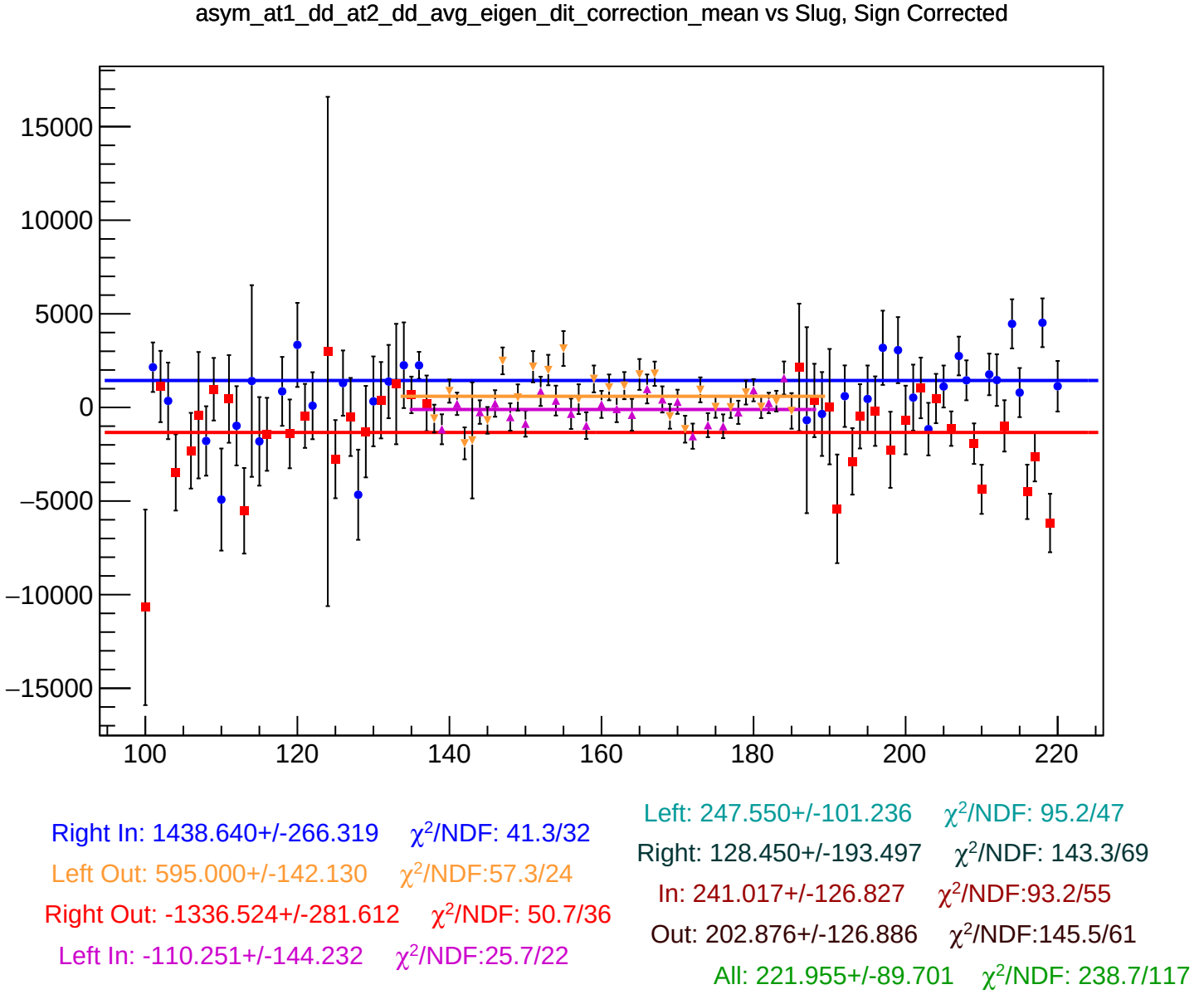
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

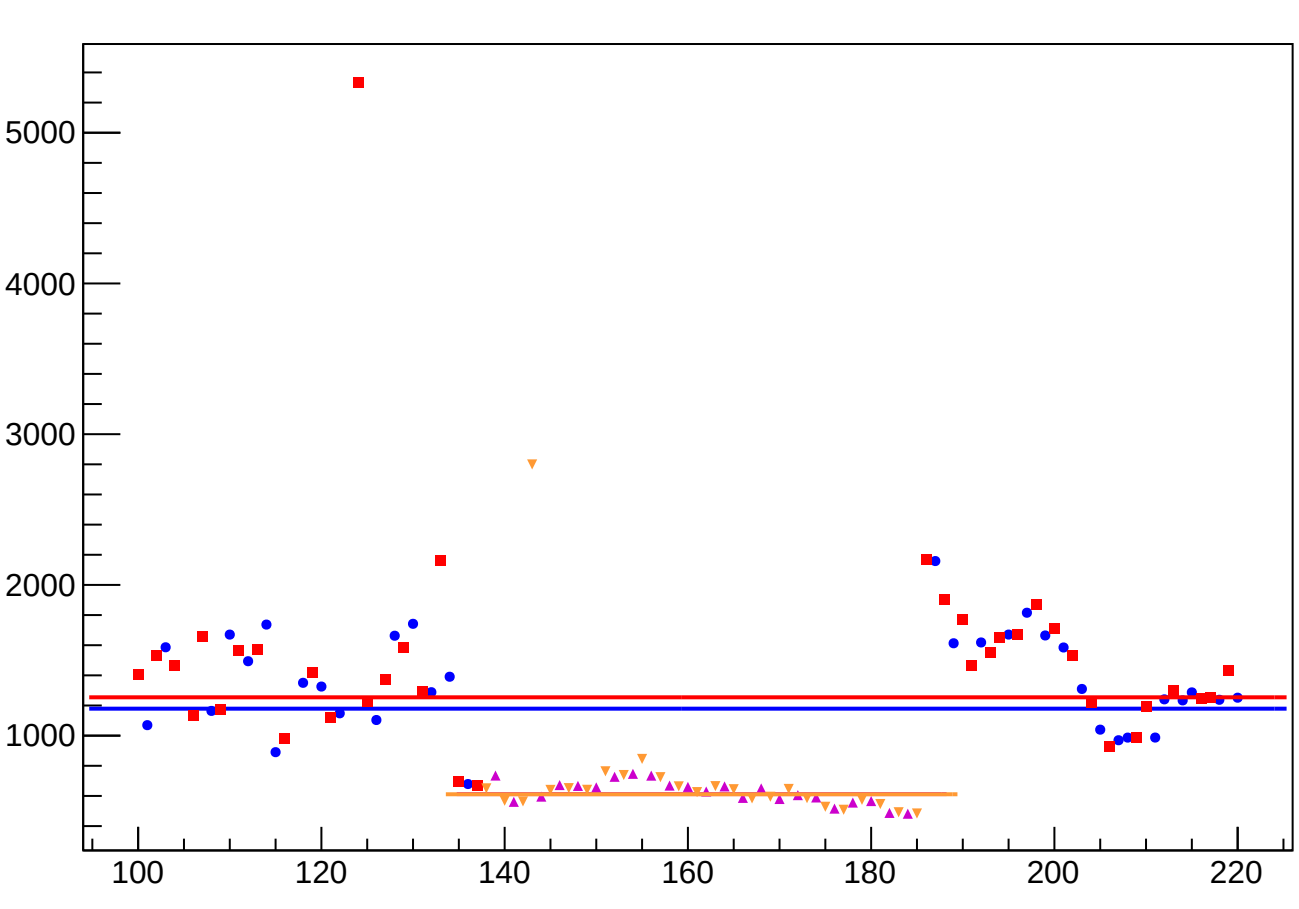
Right: 1266.444+/-0.139 χ^2/NDF: 912448.9/69

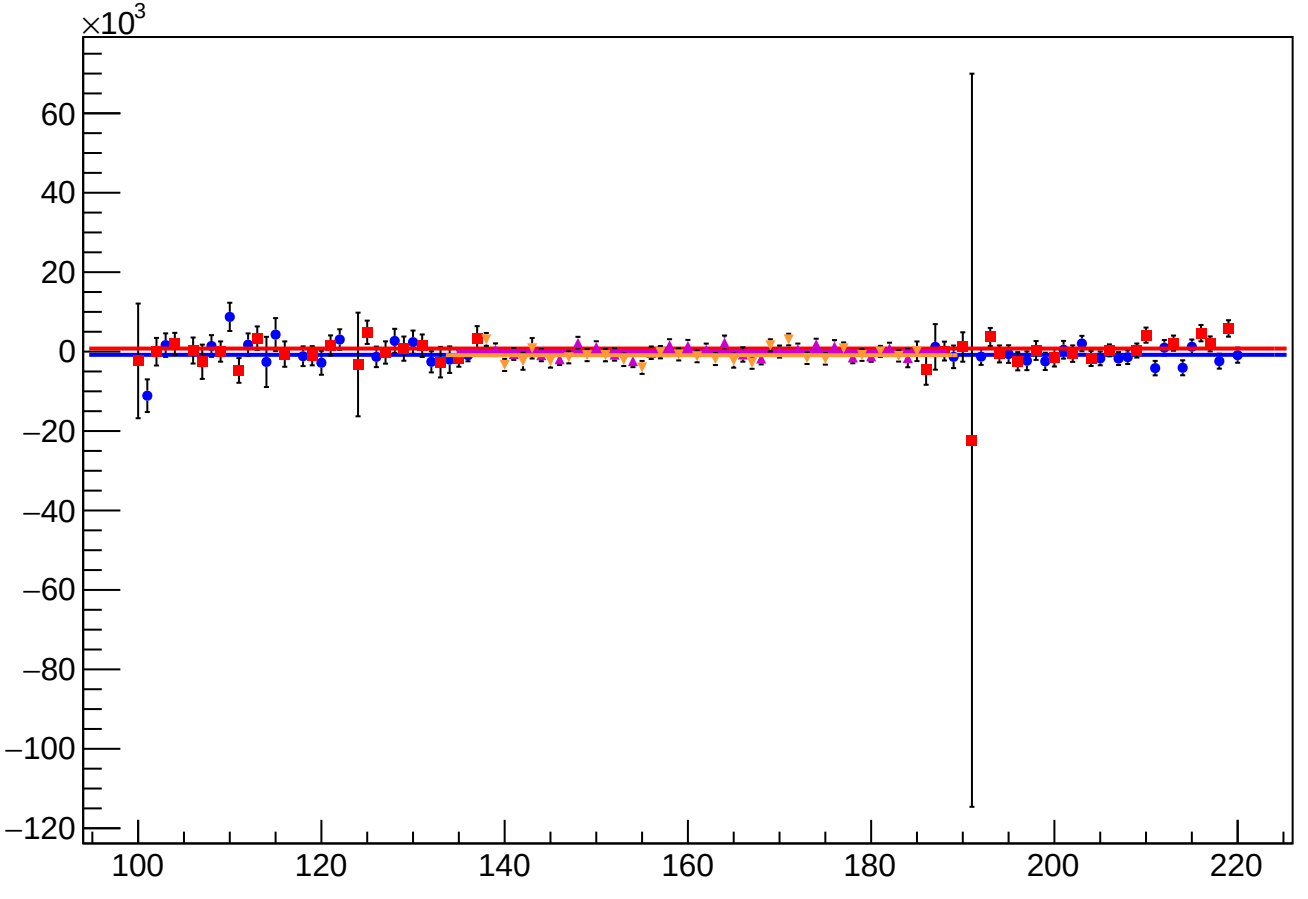
In: 1256.173+/-0.142 χ^2/NDF:556588.2/55

Out: 1249.747+/-0.139 χ^2/NDF:547330.3/61

All: 1252.897+/-0.099 χ^2/NDF: 1104962.2/11


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1438.640+/-266.319 χ²/NDF: 41.3/32
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -1336.524+/-281.612 χ²/NDF: 50.7/36
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 128.450+/-193.497 χ²/NDF: 143.3/69
In: 241.017+/-126.827 χ²/NDF:93.2/55
Out: 202.876+/-126.886 χ²/NDF:145.5/61
All: 221.955+/-89.701 χ²/NDF: 238.7/117


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1178.964+/-0.188 χ²/NDF: 2656732.8/32
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1254.353+/-0.199 χ²/NDF: 3056703.2/36
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1214.556+/-0.137 χ²/NDF: 5789100.4/69
In: 740.888+/-0.090 χ²/NDF:10164133.3/55
Out: 741.678+/-0.090 χ²/NDF:12992931.5/61
All: 741.283+/-0.063 χ²/NDF: 23157103.5/1



Right In: -806.245+/-400.049 χ^2/NDF: 36.5/32

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 771.194+/-411.095 χ^2/NDF: 33.8/36

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

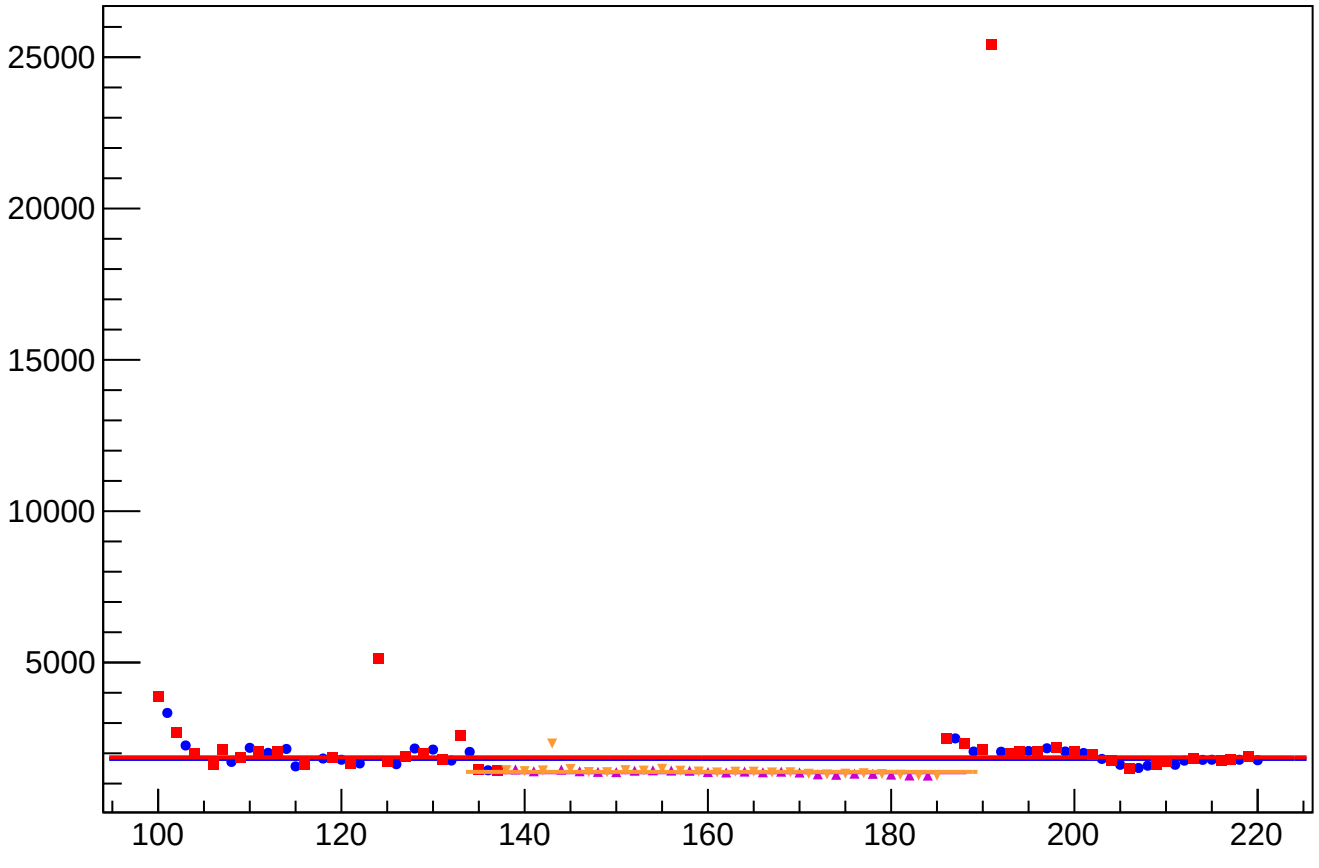
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -39.002+/-286.703 χ^2/NDF: 77.9/69

In: -286.385+/-250.332 χ^2/NDF:57.2/55

Out: -278.124+/-250.759 χ^2/NDF:74.0/61

All: -282.261+/-177.162 χ^2/NDF: 131.2/117



Right In: 1813.990+/-0.283 χ^2/NDF: 895229.7/32

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1868.082+/-0.291 χ^2/NDF: 1060084.3/36

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

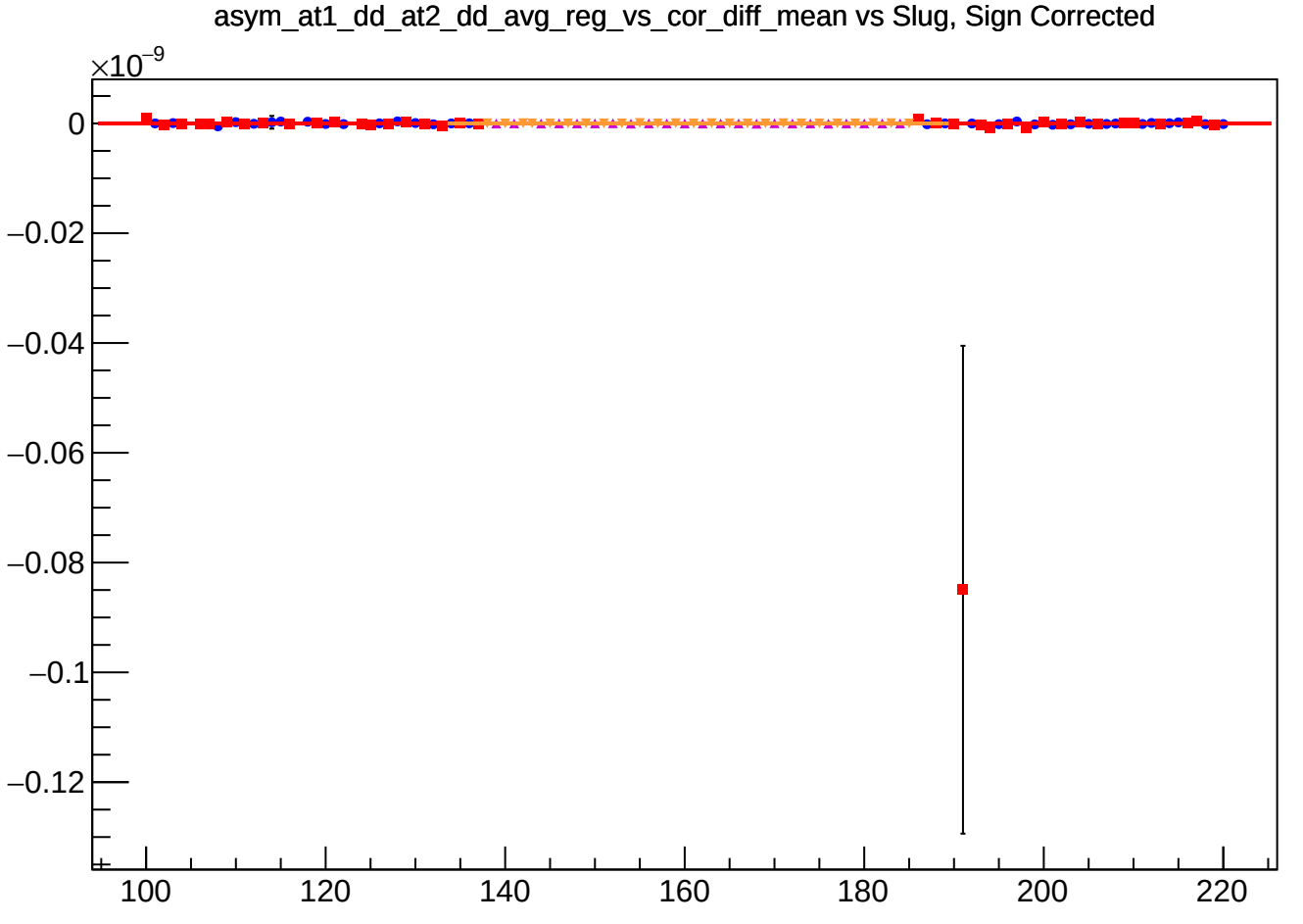
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1840.299+/-0.203 χ^2/NDF: 1973098.7/69

In: 1545.808+/-0.177 χ^2/NDF:2436926.2/55

Out: 1565.902+/-0.177 χ^2/NDF:3120850.6/61

All: 1555.838+/-0.125 χ^2/NDF: 5564208.8/11



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 58.3/36

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

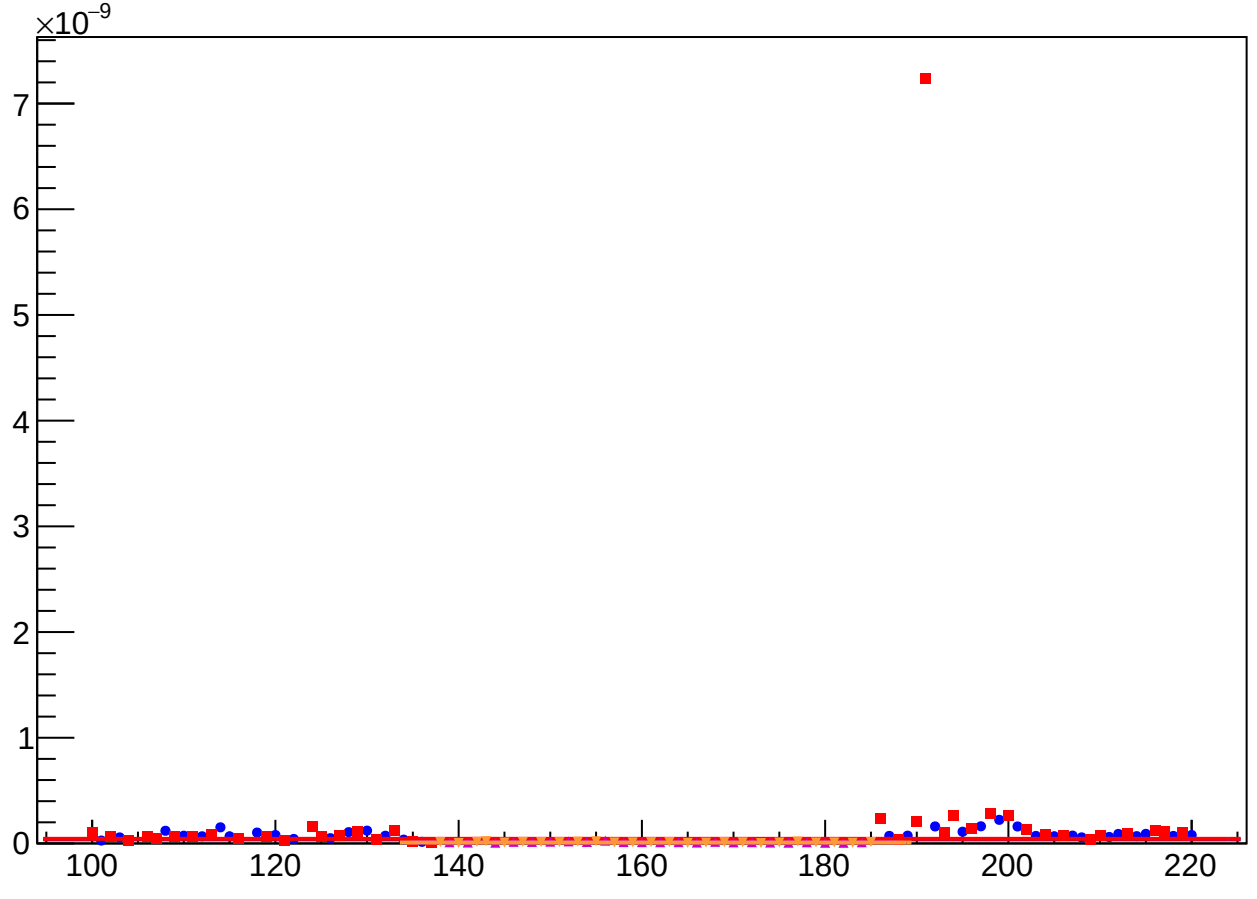
Right: -0.000+/-0.000 χ^2/NDF: 87.7/69

In: 0.000+/-0.000 χ^2/NDF:42.6/55

Out: 0.000+/-0.000 χ^2/NDF:83.5/61

All: 0.000+/-0.000 χ^2/NDF: 126.2/117

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7339683.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

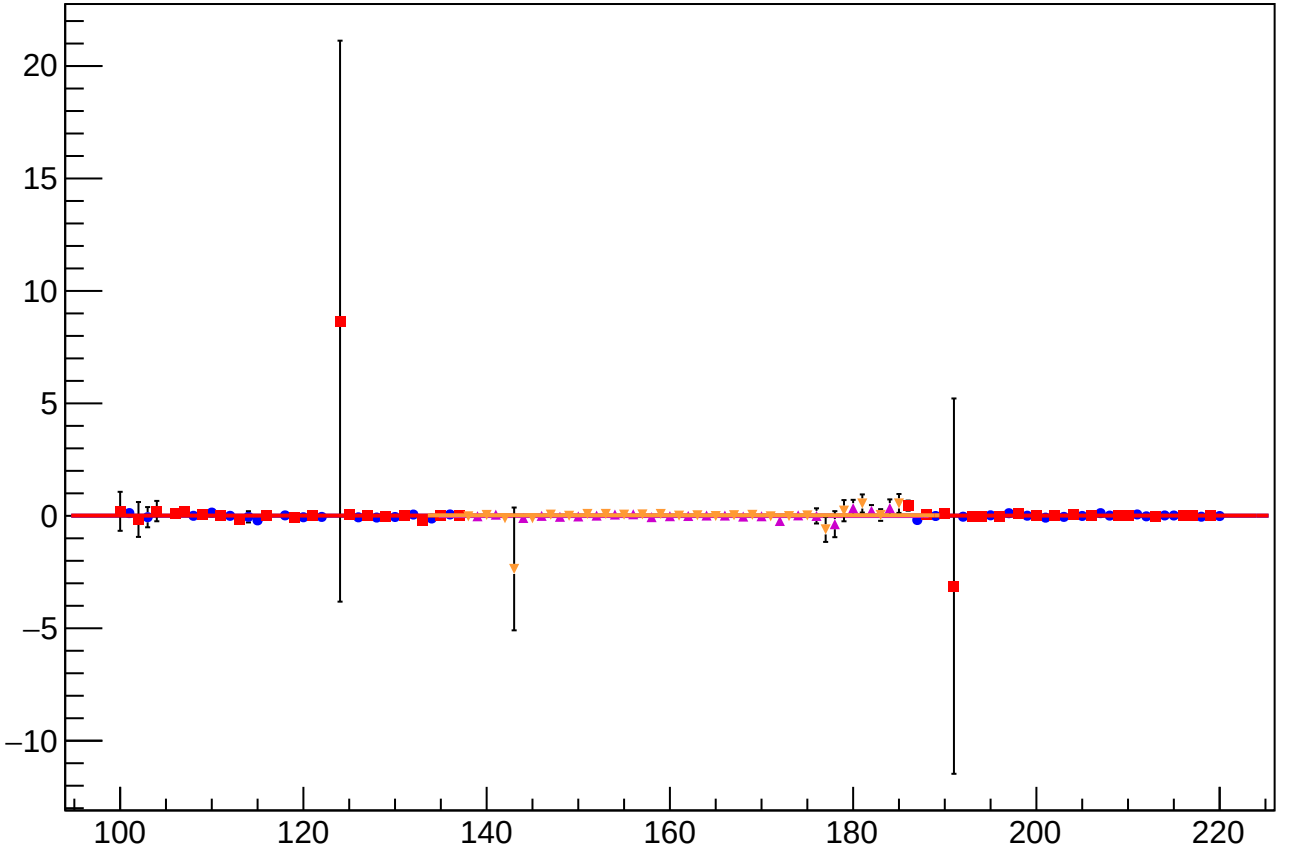
Right: 0.000+/-0.000 χ^2/NDF: 15307406.9/69

In: 0.000+/-0.000 χ^2/NDF:14156730.5/55

Out: 0.000+/-0.000 χ^2/NDF:16772039.7/61

All: 0.000+/-0.000 χ^2/NDF: 31293634.6/117

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 48.5/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

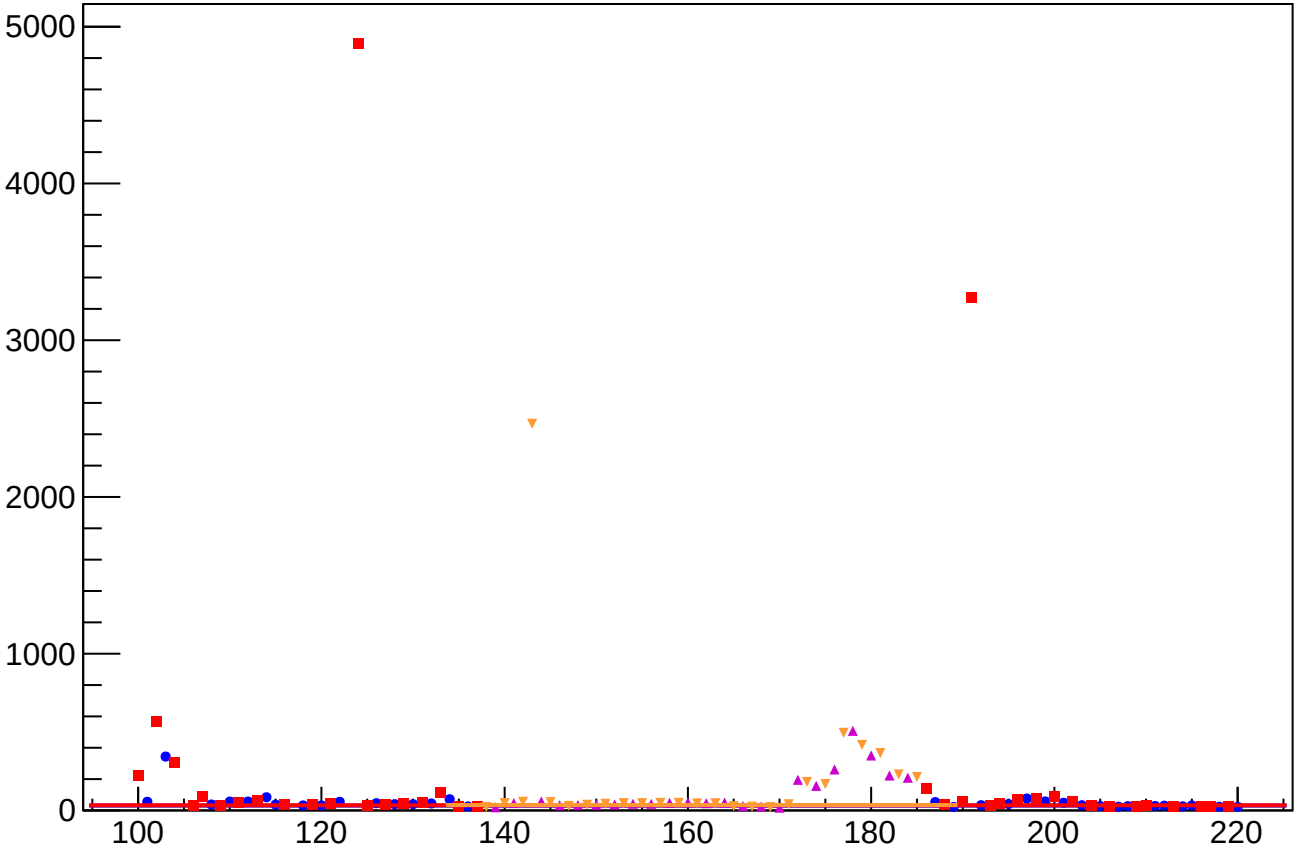
Right: 0.008+/-0.006 χ^2/NDF: 73.3/69

In: -0.001+/-0.006 χ^2/NDF:64.7/55

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 116.3/117

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.239+/-0.006 χ^2/NDF: 4174419.1/32

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

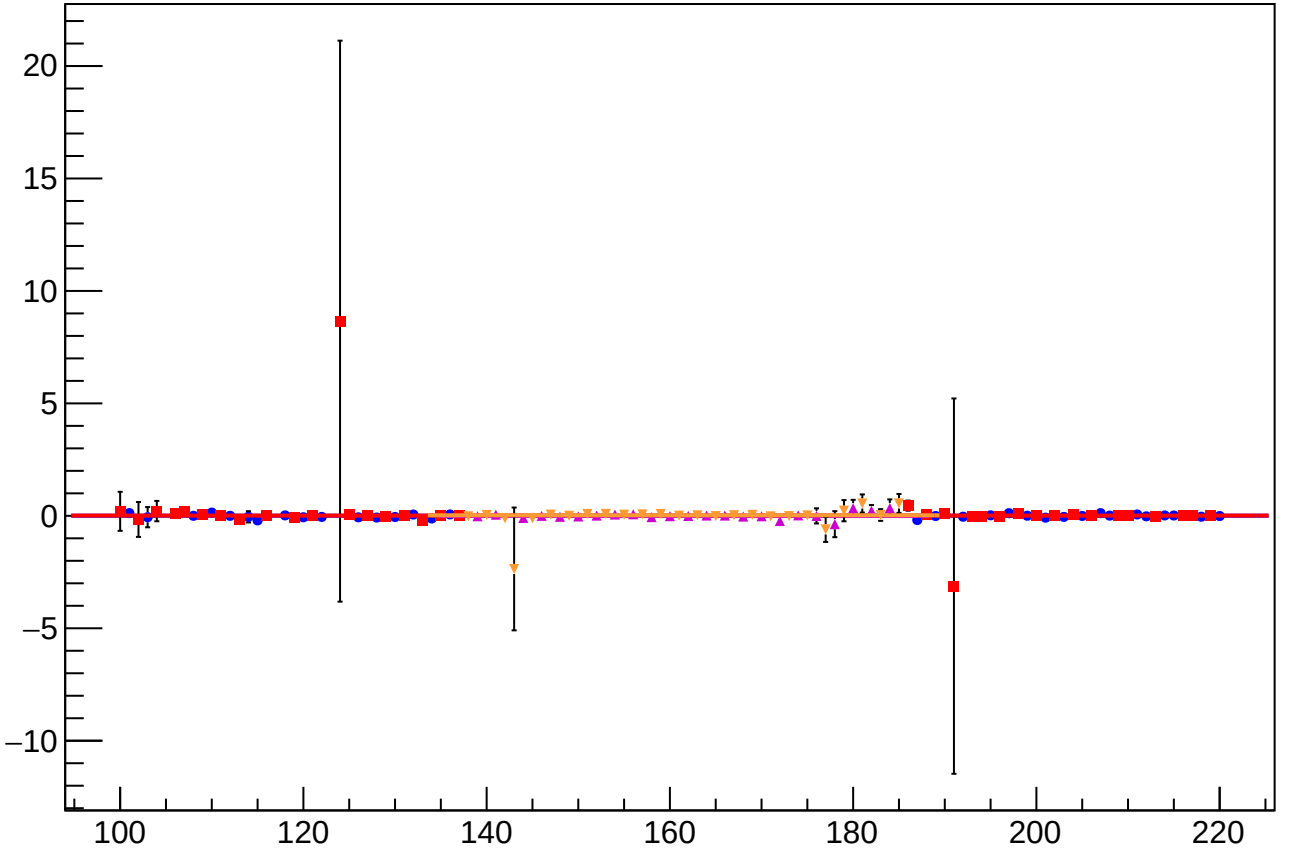
Right: 31.984+/-0.004 χ^2/NDF: 11076007.0/69

In: 32.142+/-0.004 χ^2/NDF:14310974.2/55

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 32.817+/-0.003 χ^2/NDF: 32662720.0/117

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 48.5/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

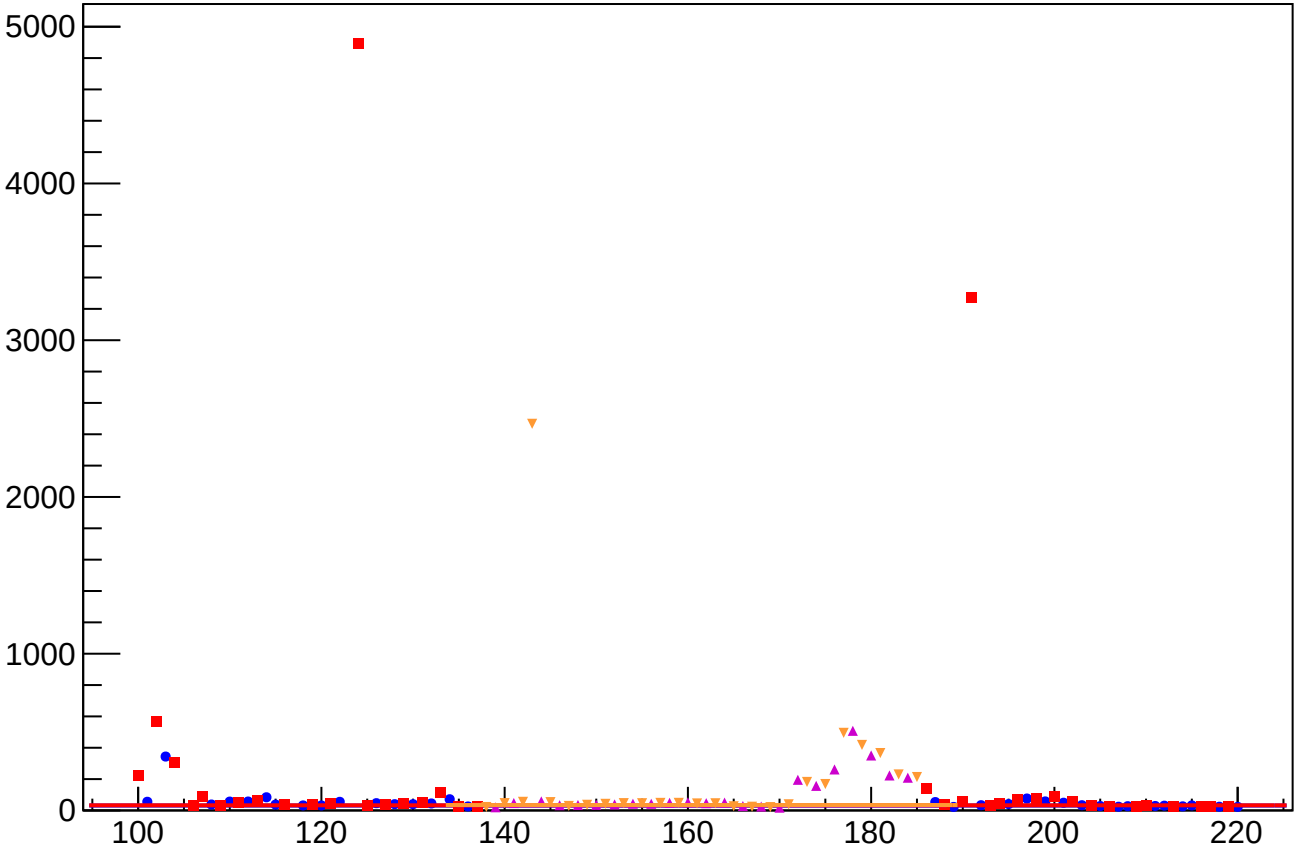
Right: 0.008+/-0.006 χ^2/NDF: 73.3/69

In: -0.001+/-0.006 χ^2/NDF:64.7/55

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 116.3/117

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.239+/-0.006 χ^2/NDF: 4174419.1/32

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

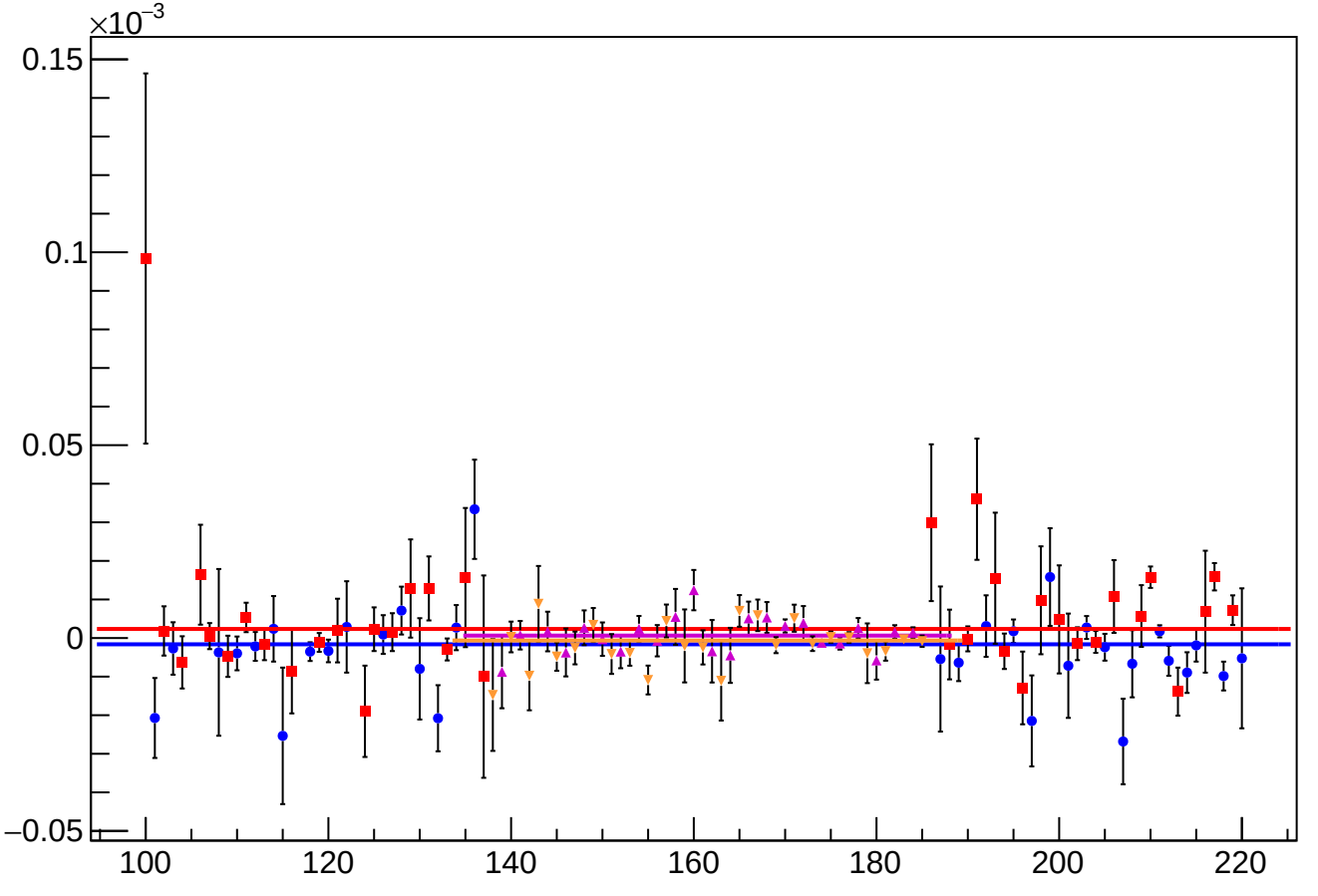
Right: 31.984+/-0.004 χ^2/NDF: 11076007.0/69

In: 32.142+/-0.004 χ^2/NDF:14310974.2/55

Out: 33.572+/-0.005 χ^2/NDF:18300819.3/61

All: 32.817+/-0.003 χ^2/NDF: 32662720.0/117

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 50.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 85.6/36

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

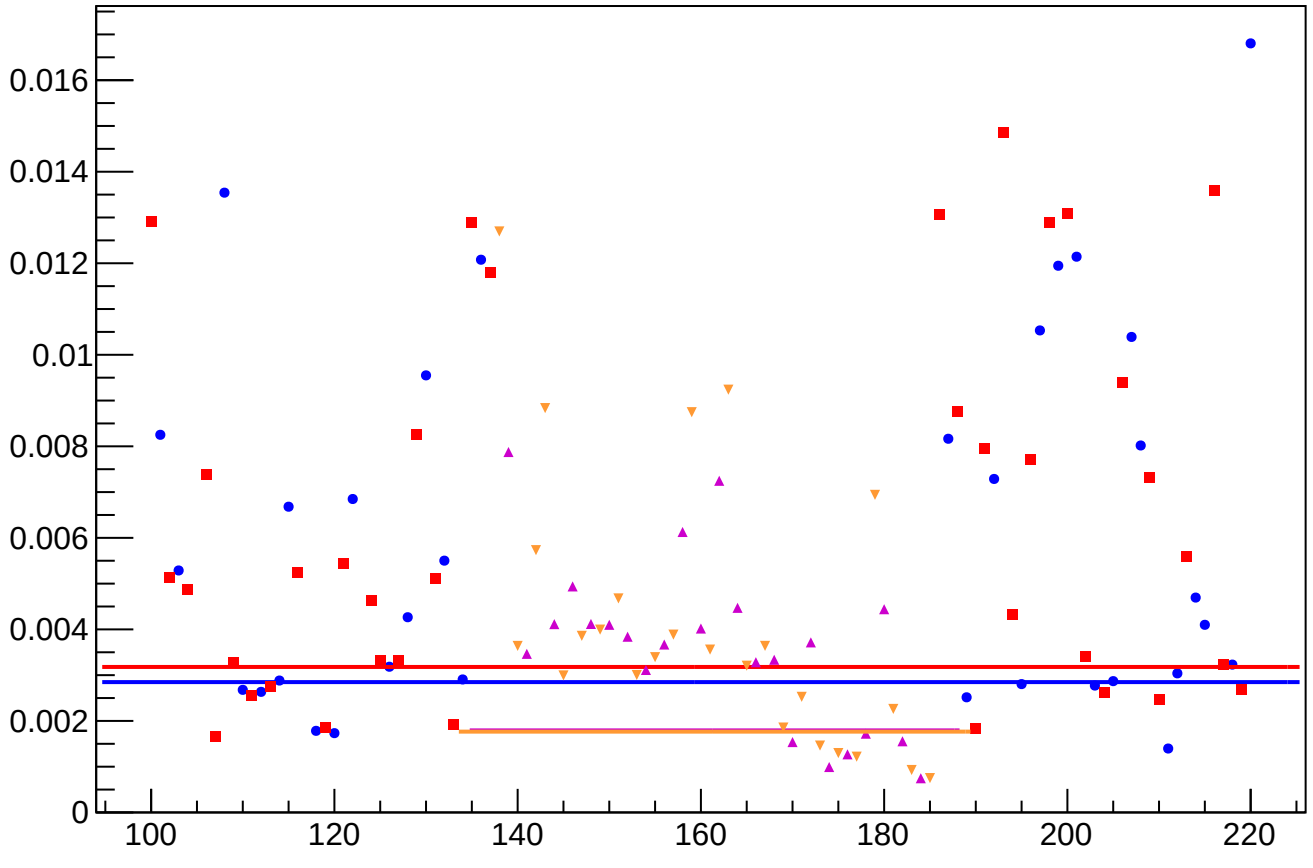
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: 0.000+/-0.000 χ^2/NDF: 147.7/69

In: -0.000+/-0.000 χ^2/NDF:77.7/55

Out: 0.000+/-0.000 χ^2/NDF:123.2/61

All: 0.000+/-0.000 χ^2/NDF: 201.1/117



Right In: 0.003+/-0.000 χ^2/NDF: 12735704.0/32

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

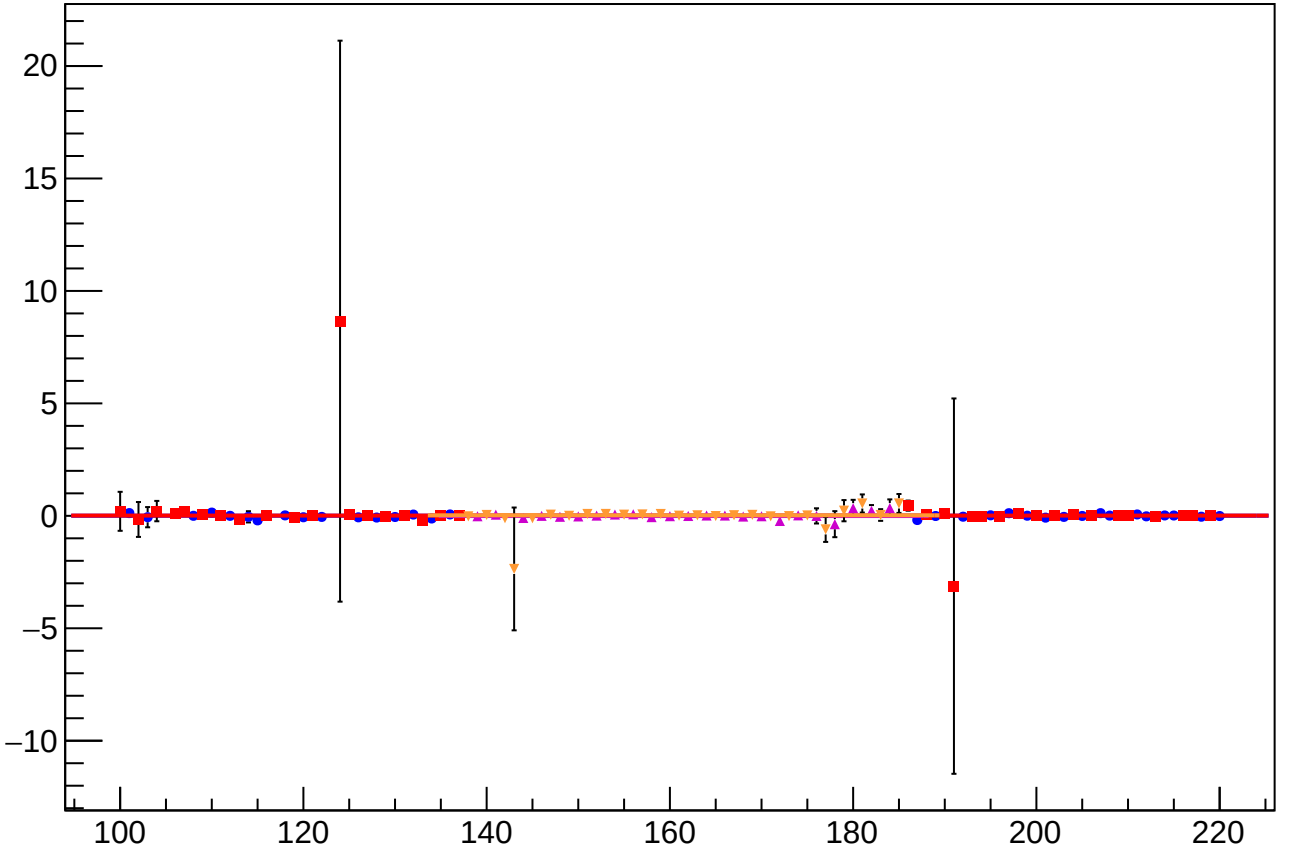
Right: 0.003+/-0.000 χ^2/NDF: 24533881.1/69

In: 0.002+/-0.000 χ^2/NDF:25947108.4/55

Out: 0.002+/-0.000 χ^2/NDF:28698438.0/61

All: 0.002+/-0.000 χ^2/NDF: 54646556.8/117

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 48.6/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

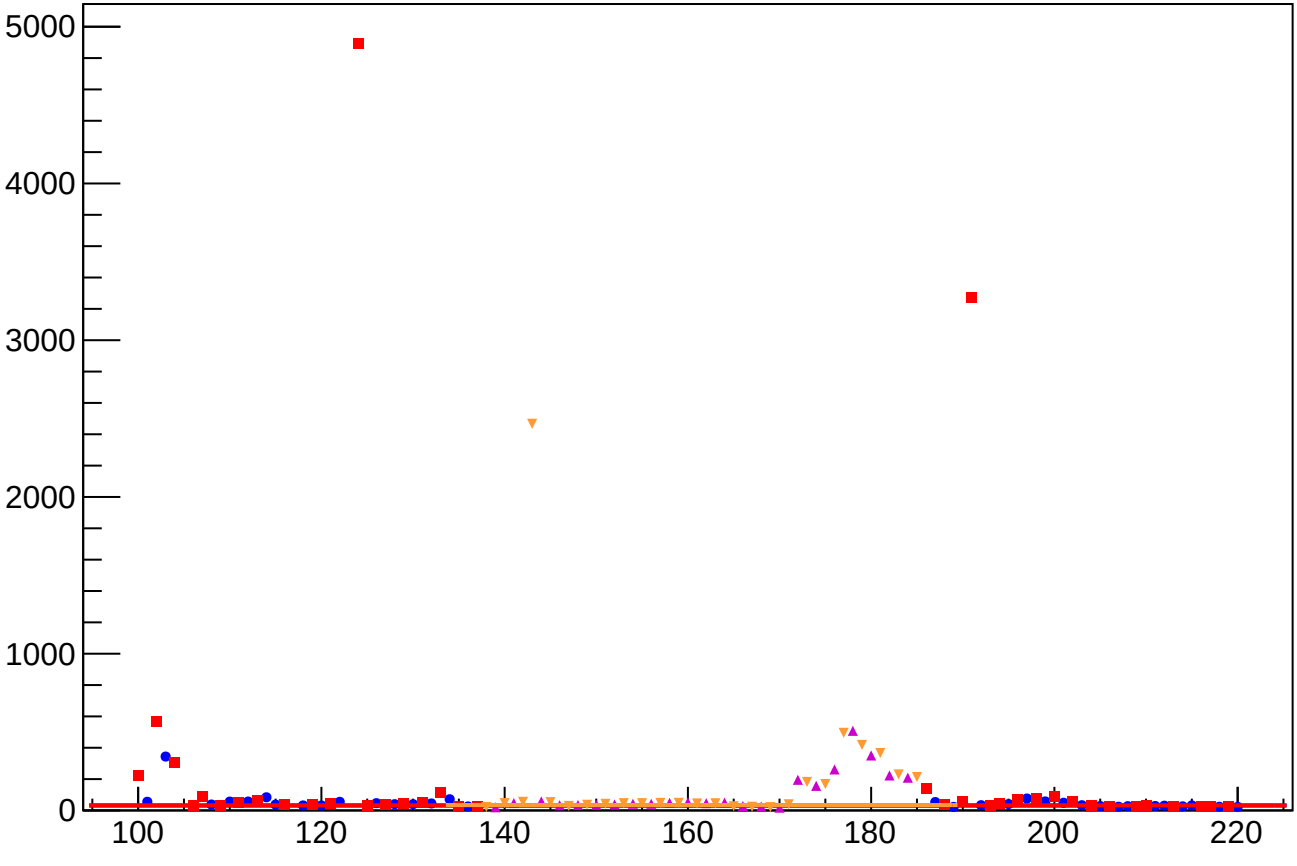
Right: 0.008+/-0.006 χ^2/NDF: 73.3/69

In: -0.001+/-0.006 χ^2/NDF:64.7/55

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 116.4/117

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.241+/-0.006 χ^2/NDF: 4173311.4/32

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

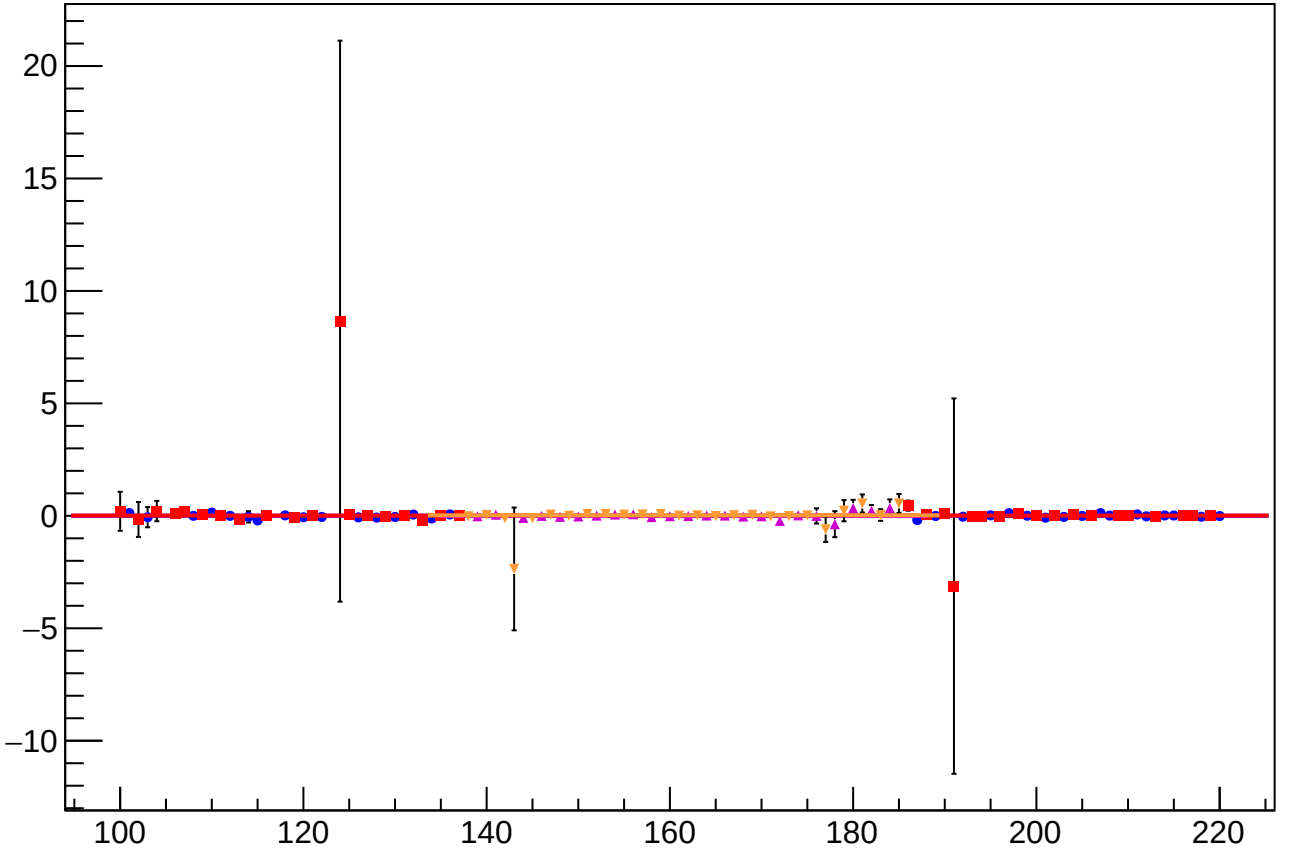
Right: 31.985+/-0.004 χ^2/NDF: 11074744.7/69

In: 32.144+/-0.004 χ^2/NDF:14308601.0/55

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 32.818+/-0.003 χ^2/NDF: 32660175.2/117

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 48.6/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

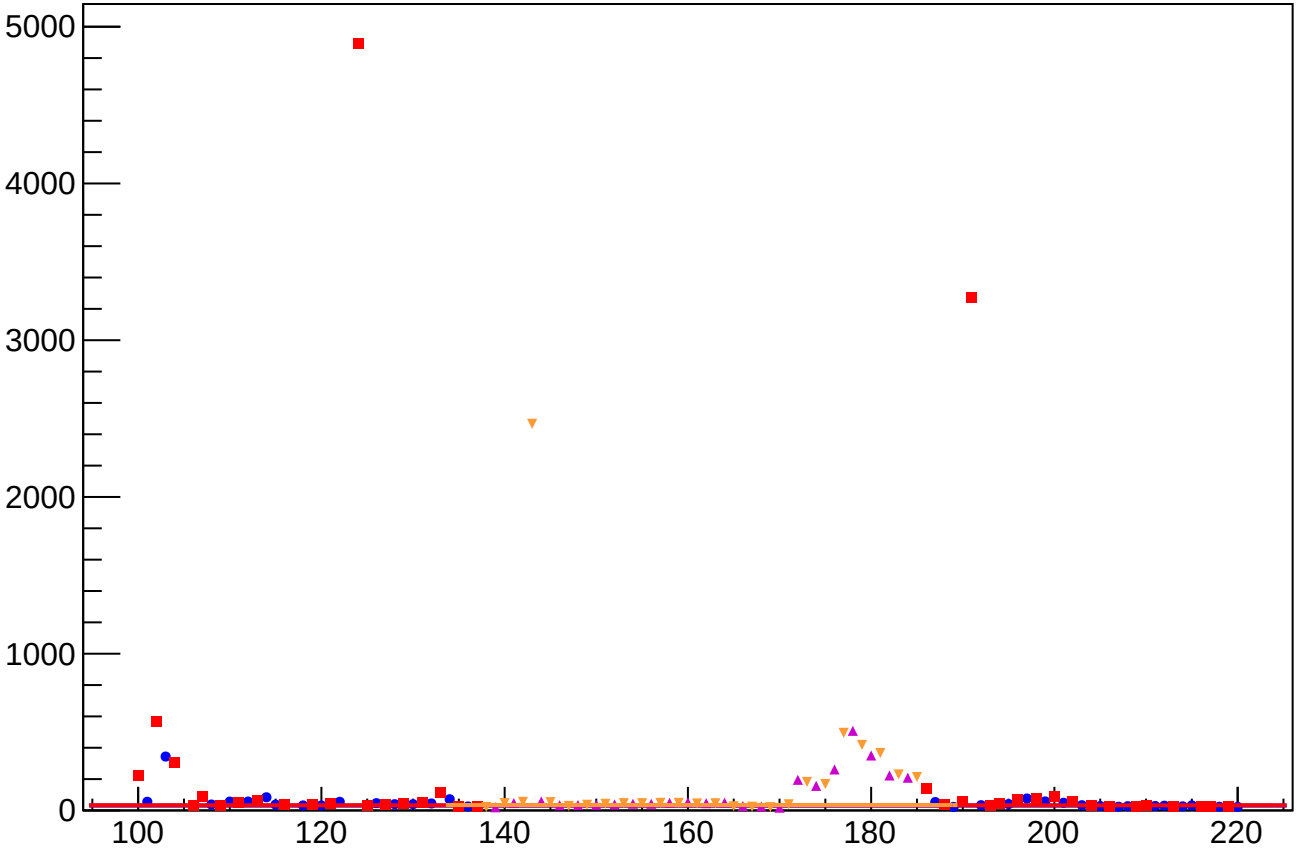
Right: 0.008+/-0.006 χ^2/NDF: 73.3/69

In: -0.001+/-0.006 χ^2/NDF:64.7/55

Out: 0.016+/-0.007 χ^2/NDF:48.2/61

All: 0.007+/-0.004 χ^2/NDF: 116.4/117

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.241+/-0.006 χ^2/NDF: 4173311.4/32

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

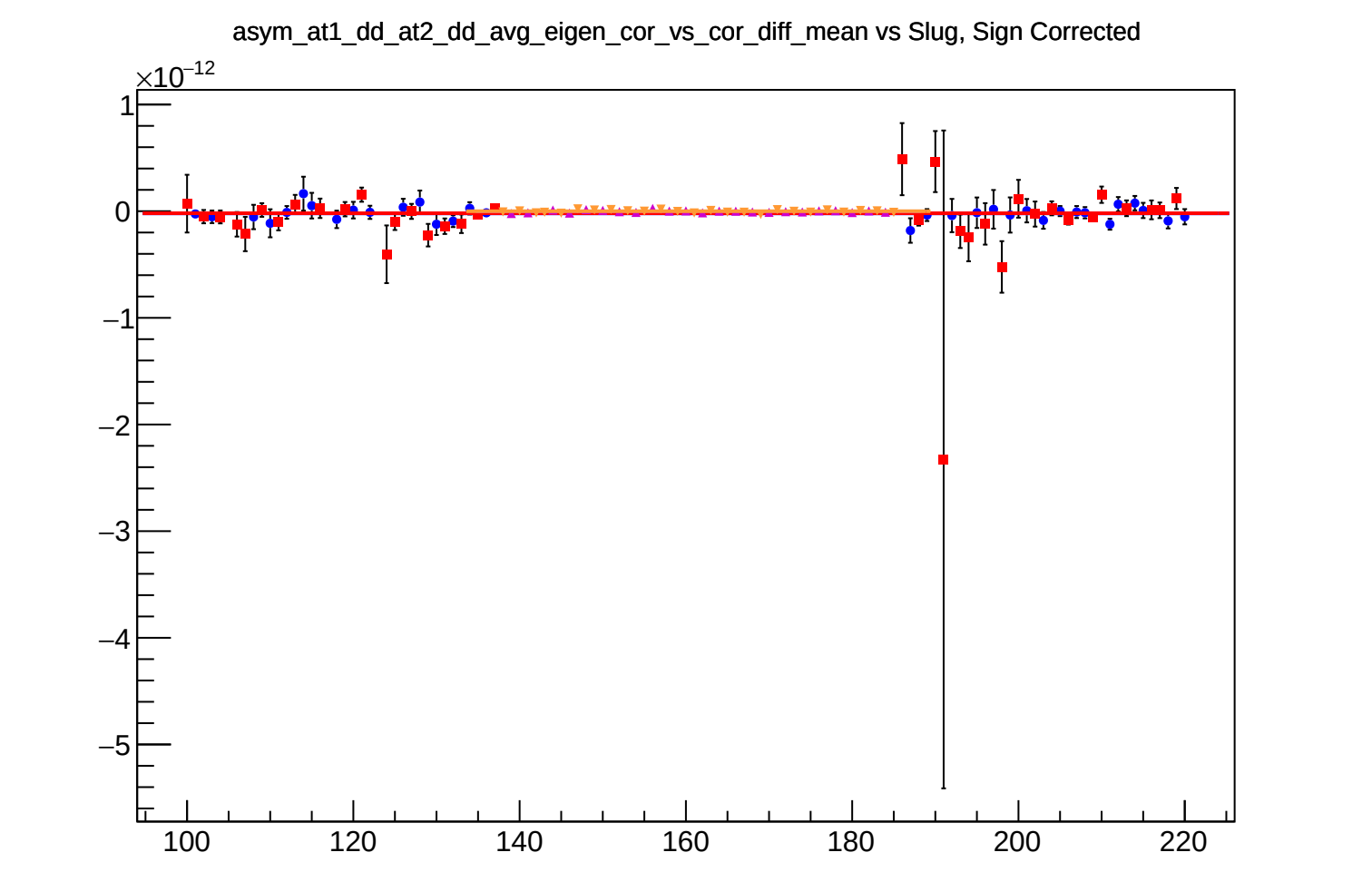
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 31.985+/-0.004 χ^2/NDF: 11074744.7/69

In: 32.144+/-0.004 χ^2/NDF:14308601.0/55

Out: 33.572+/-0.005 χ^2/NDF:18300820.3/61

All: 32.818+/-0.003 χ^2/NDF: 32660175.2/117



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

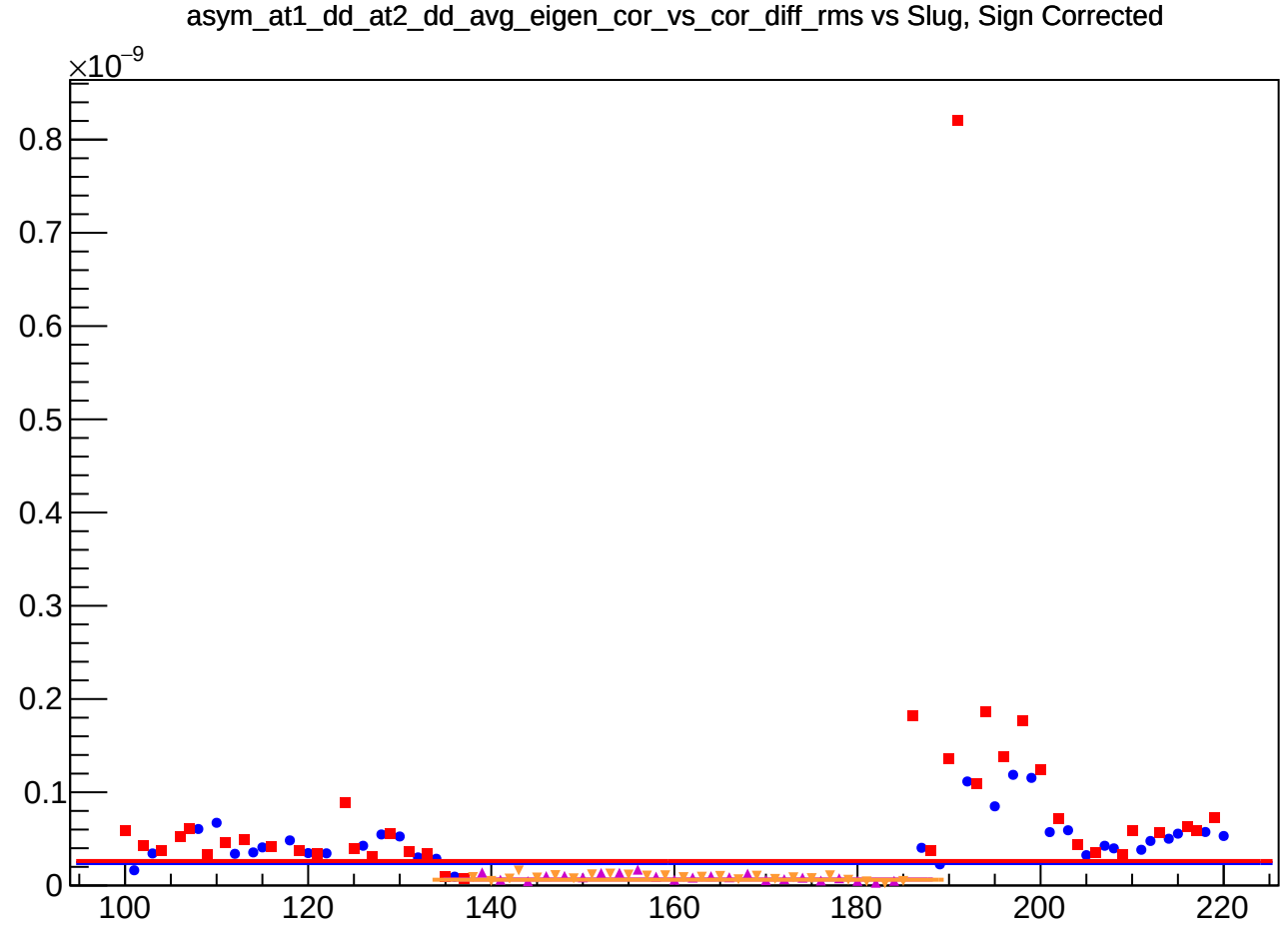
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

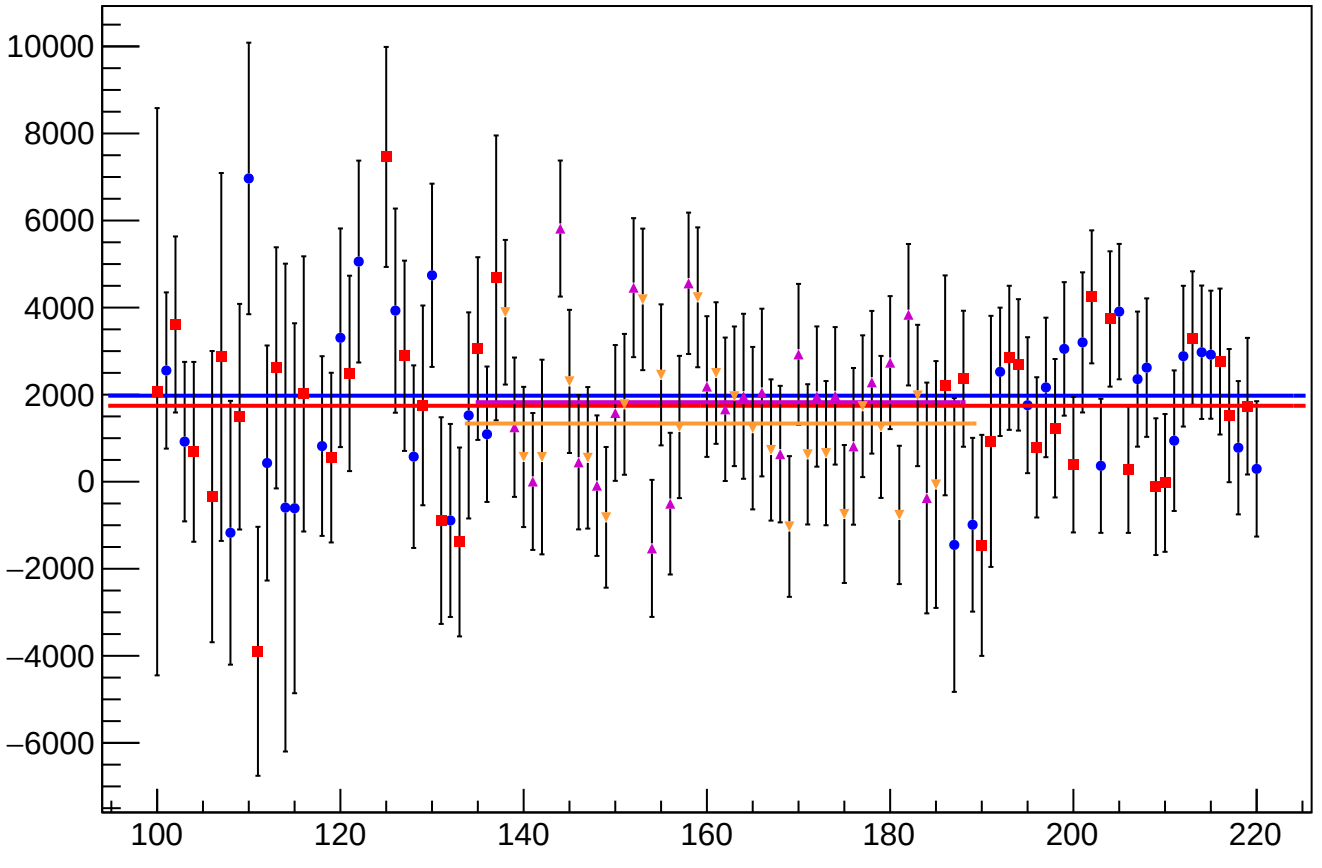
Right: -0.000+/-0.000 χ^2/NDF: 73.2/69

In: -0.000+/-0.000 χ^2/NDF:44.7/55

Out: -0.000+/-0.000 χ^2/NDF:82.7/61

All: -0.000+/-0.000 χ^2/NDF: 127.9/117


asym_at1_dd_at2_dd_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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9334034.8/32
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 11712452.7/36
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
Left: 0.000+/-0.000 χ²/NDF: 9096603.9/47
Right: 0.000+/-0.000 χ²/NDF: 21107192.4/69
In: 0.000+/-0.000 χ²/NDF:21186563.4/55
Out: 0.000+/-0.000 χ²/NDF:25199543.3/61
All: 0.000+/-0.000 χ²/NDF: 46432495.9/117



Right In: 1976.128+/-322.709 χ^2/NDF: 22.9/32

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1744.470+/-325.278 χ^2/NDF: 29.3/35

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

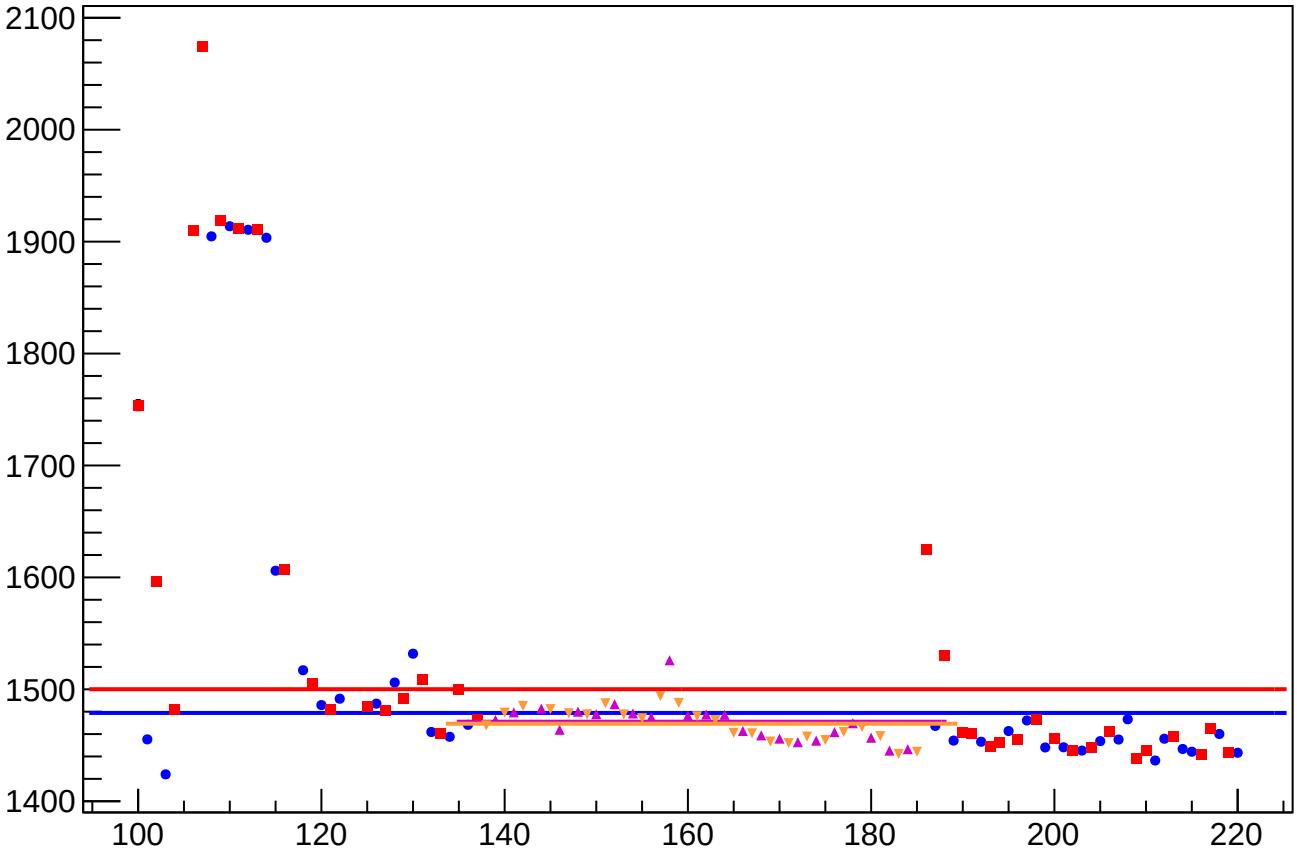
Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

Right: 1861.218+/-229.093 χ^2/NDF: 52.5/68

In: 1906.022+/-235.191 χ^2/NDF:49.5/55

Out: 1550.356+/-235.372 χ^2/NDF:49.2/59

All: 1728.326+/-166.369 χ^2/NDF: 99.9/115



Right In: 1478.896+/-0.228 χ^2/NDF: 157498.4/32

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1500.095+/-0.230 χ^2/NDF: 249309.2/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

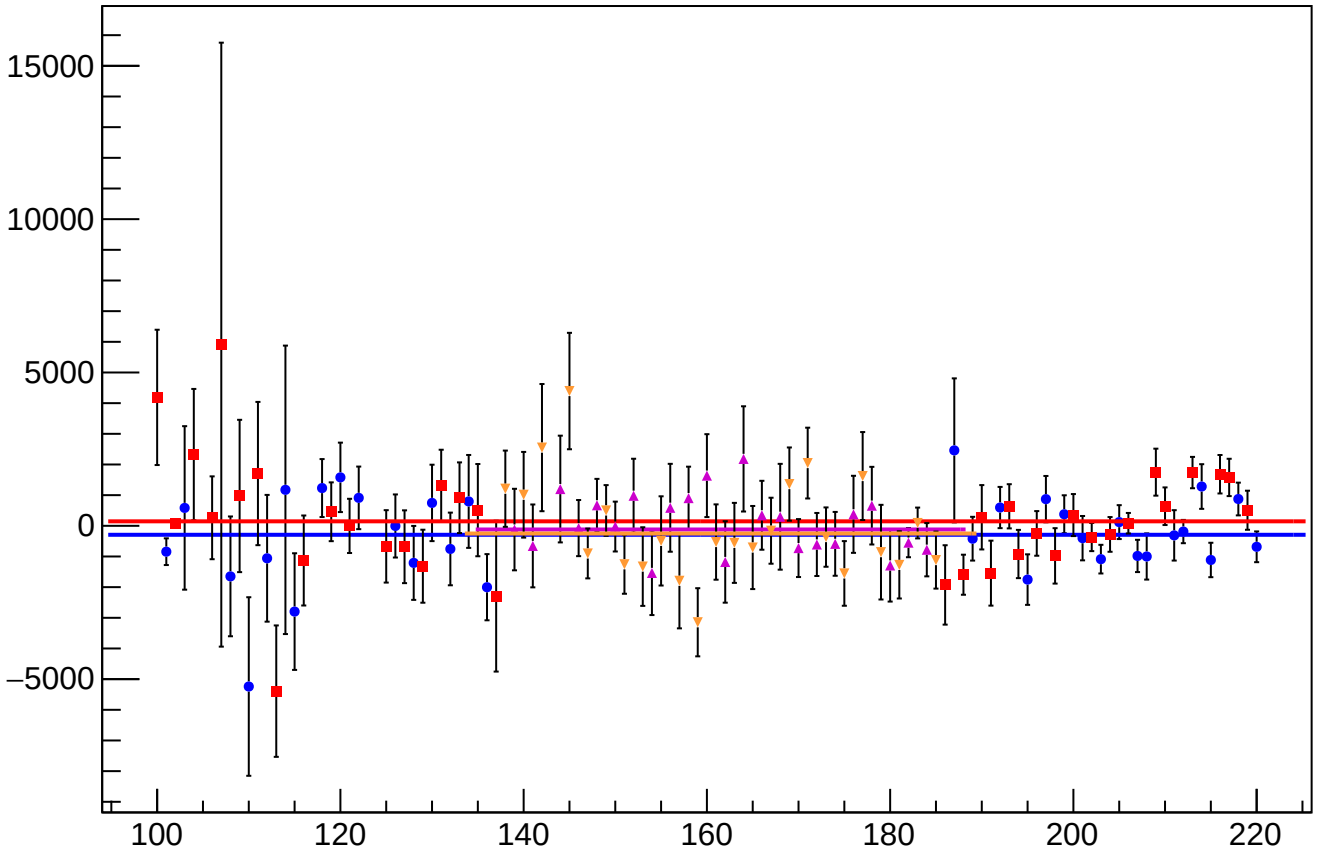
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1489.411+/-0.162 χ^2/NDF: 411088.6/68

In: 1475.219+/-0.166 χ^2/NDF:162694.5/55

Out: 1485.408+/-0.166 χ^2/NDF:261022.6/59

All: 1480.310+/-0.118 χ^2/NDF: 425592.5/115



Right In: -292.559+/-129.306 χ^2/NDF: 46.5/32

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 146.396+/-96.427 χ^2/NDF: 63.1/35

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

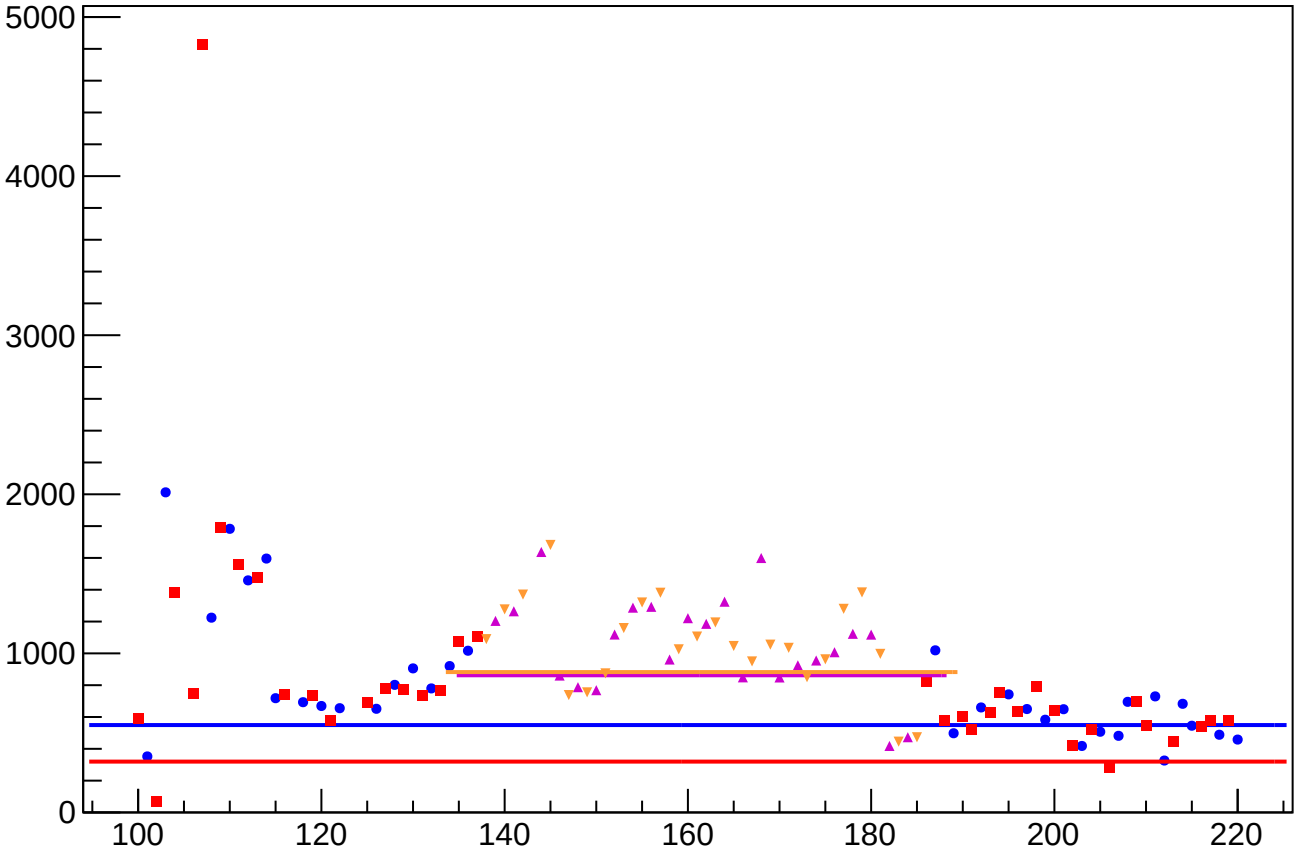
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -10.472+/-77.300 χ^2/NDF: 117.0/68

In: -246.974+/-110.942 χ^2/NDF:59.8/55

Out: 81.453+/-88.209 χ^2/NDF:98.6/59

All: -45.753+/-69.045 χ^2/NDF: 163.8/115



Right In: 549.394+/-0.091 χ^2/NDF: 4602136.4/32

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 319.667+/-0.068 χ^2/NDF: 17699798.2/35

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

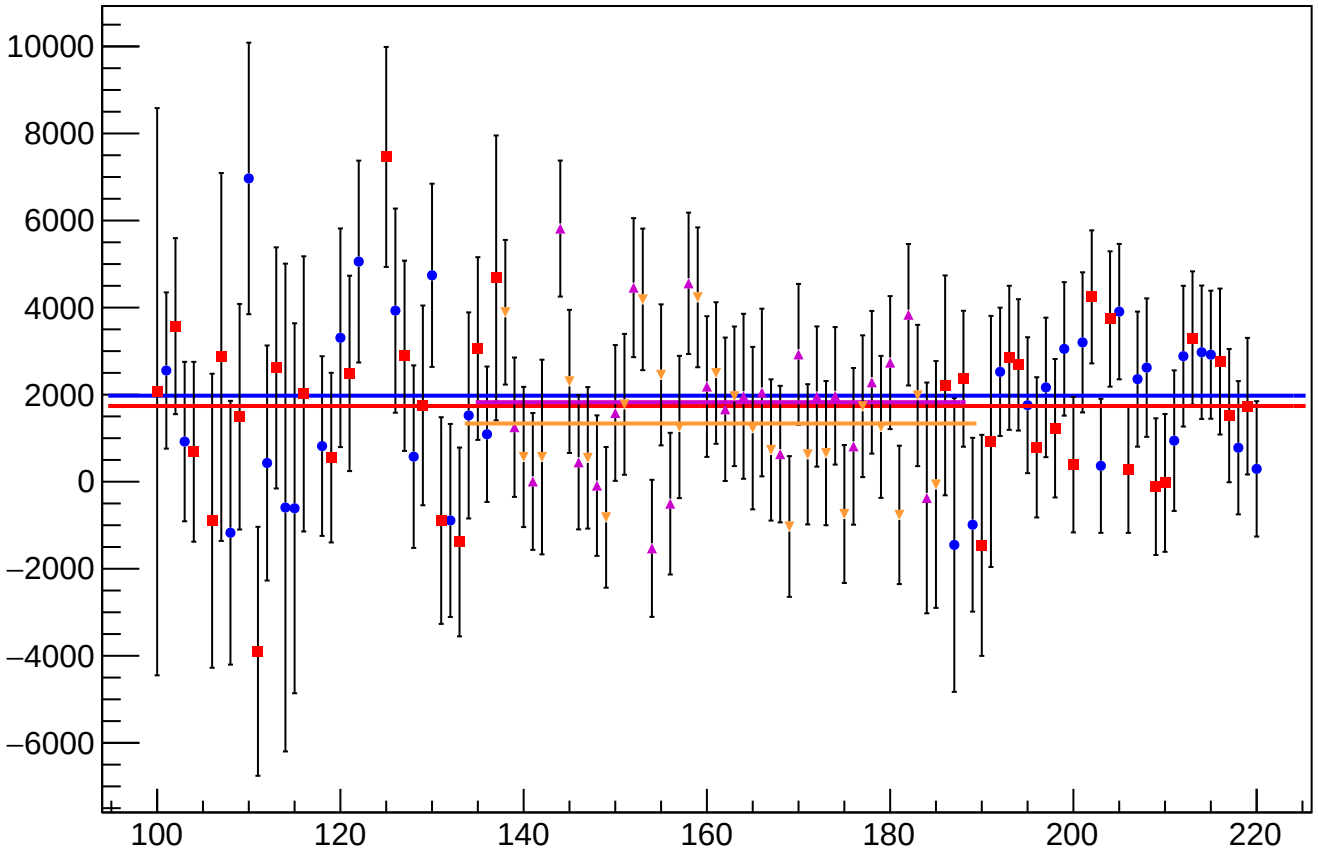
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 401.764+/-0.055 χ^2/NDF: 26358662.9/68

In: 631.960+/-0.078 χ^2/NDF:12061843.8/55

Out: 411.494+/-0.062 χ^2/NDF:32716701.1/59

All: 496.885+/-0.049 χ^2/NDF: 49617473.3/11



Right In: 1976.197+/-322.709 χ^2/NDF: 22.9/32

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1738.698+/-325.309 χ^2/NDF: 29.5/35

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

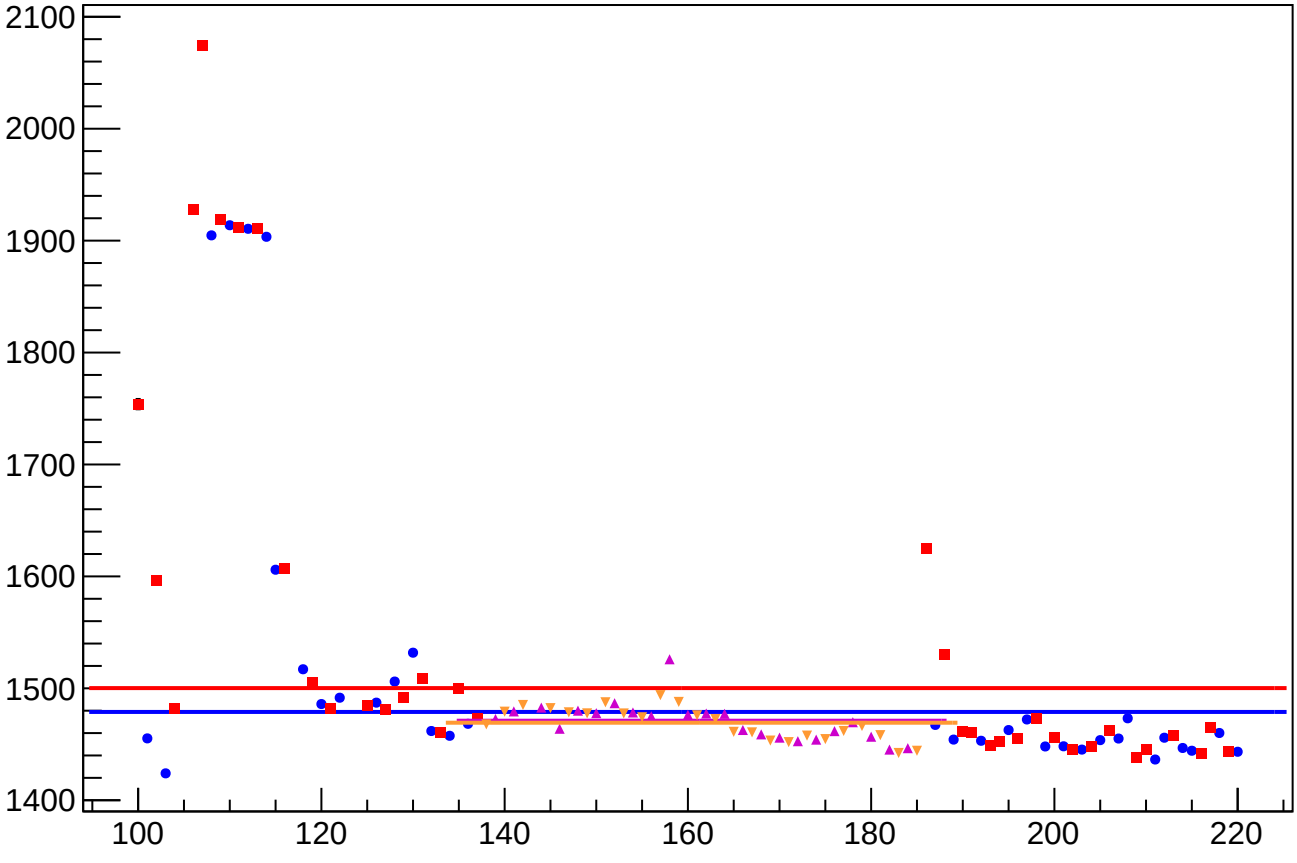
Right: 1858.401+/-229.103 χ^2/NDF: 52.7/68

In: 1906.080+/-235.191 χ^2/NDF:49.5/55

Out: 1547.320+/-235.384 χ^2/NDF:49.4/59

All: 1726.847+/-166.373 χ^2/NDF: 100.1/115

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1478.896+/-0.228 χ^2/NDF: 157498.3/32

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

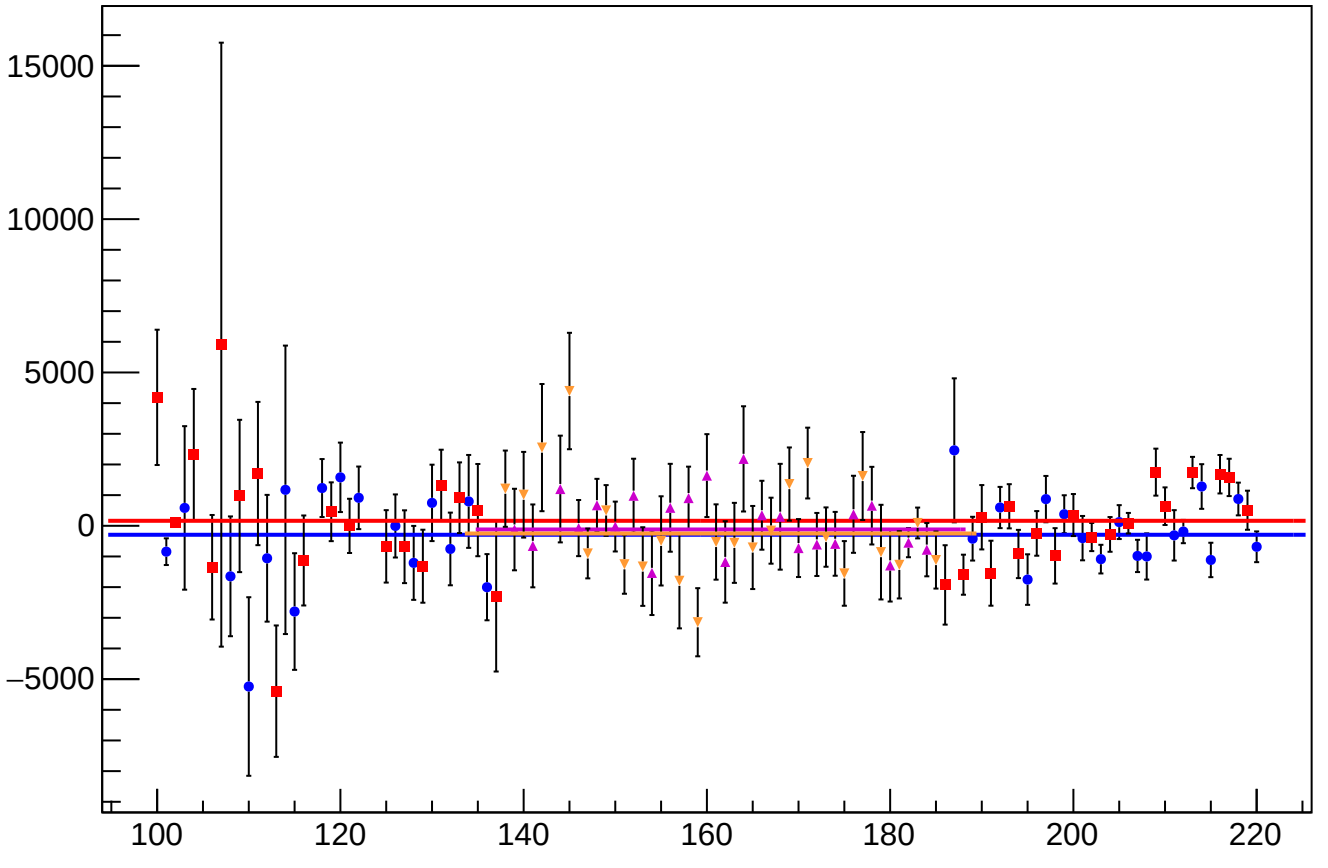
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1489.460+/-0.162 χ^2/NDF: 413268.1/68

In: 1475.219+/-0.166 χ^2/NDF:162694.4/55

Out: 1485.460+/-0.166 χ^2/NDF:263217.0/59

All: 1480.335+/-0.118 χ^2/NDF: 427805.7/115



Right In: -292.574+/-129.304 χ^2/NDF: 46.5/32

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 163.108+/-100.692 χ^2/NDF: 63.6/35

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

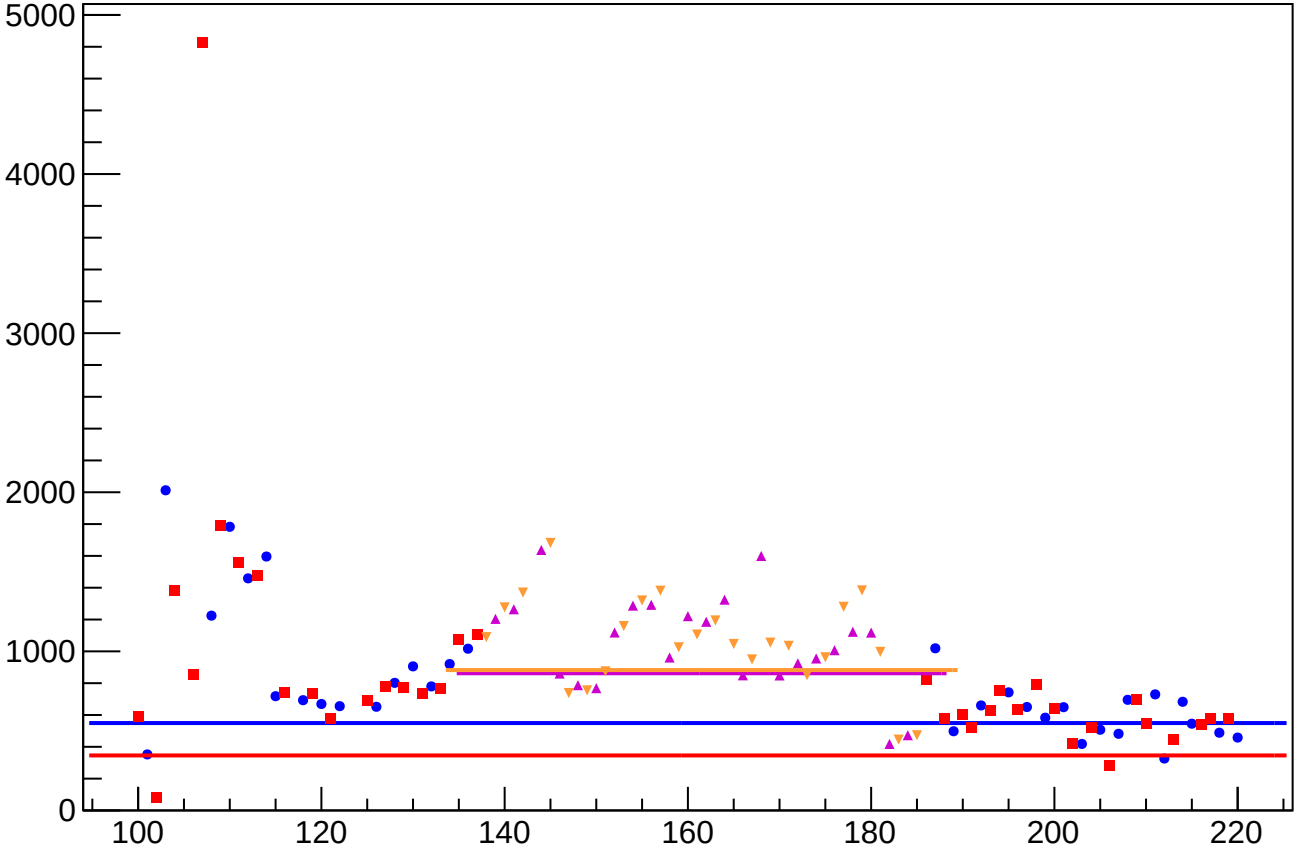
Right: -8.909+/-79.445 χ^2/NDF: 117.8/68

In: -246.998+/-110.941 χ^2/NDF:59.8/55

Out: 90.394+/-91.439 χ^2/NDF:99.3/59

All: -46.089+/-70.561 χ^2/NDF: 164.6/115

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 549.380+/-0.091 χ^2/NDF: 4602648.6/32

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 345.748+/-0.071 χ^2/NDF: 16036320.5/35

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

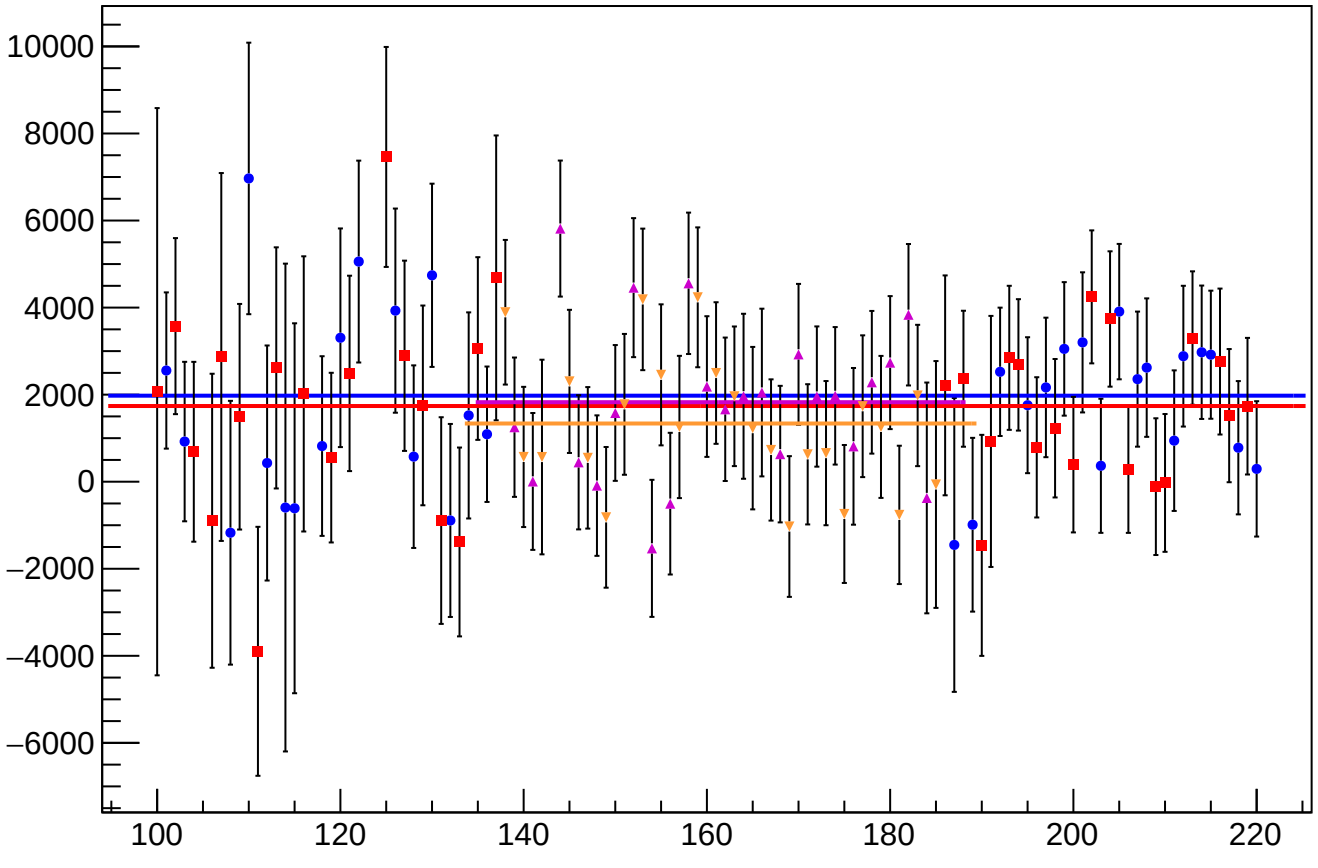
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 422.618+/-0.056 χ^2/NDF: 23726711.6/68

In: 631.948+/-0.078 χ^2/NDF:12062697.6/55

Out: 439.849+/-0.065 χ^2/NDF:29899870.5/59

All: 517.557+/-0.050 χ^2/NDF: 45533305.9/11



Right In: 1976.197+/-322.709 χ^2/NDF: 22.9/32

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1738.698+/-325.309 χ^2/NDF: 29.5/35

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

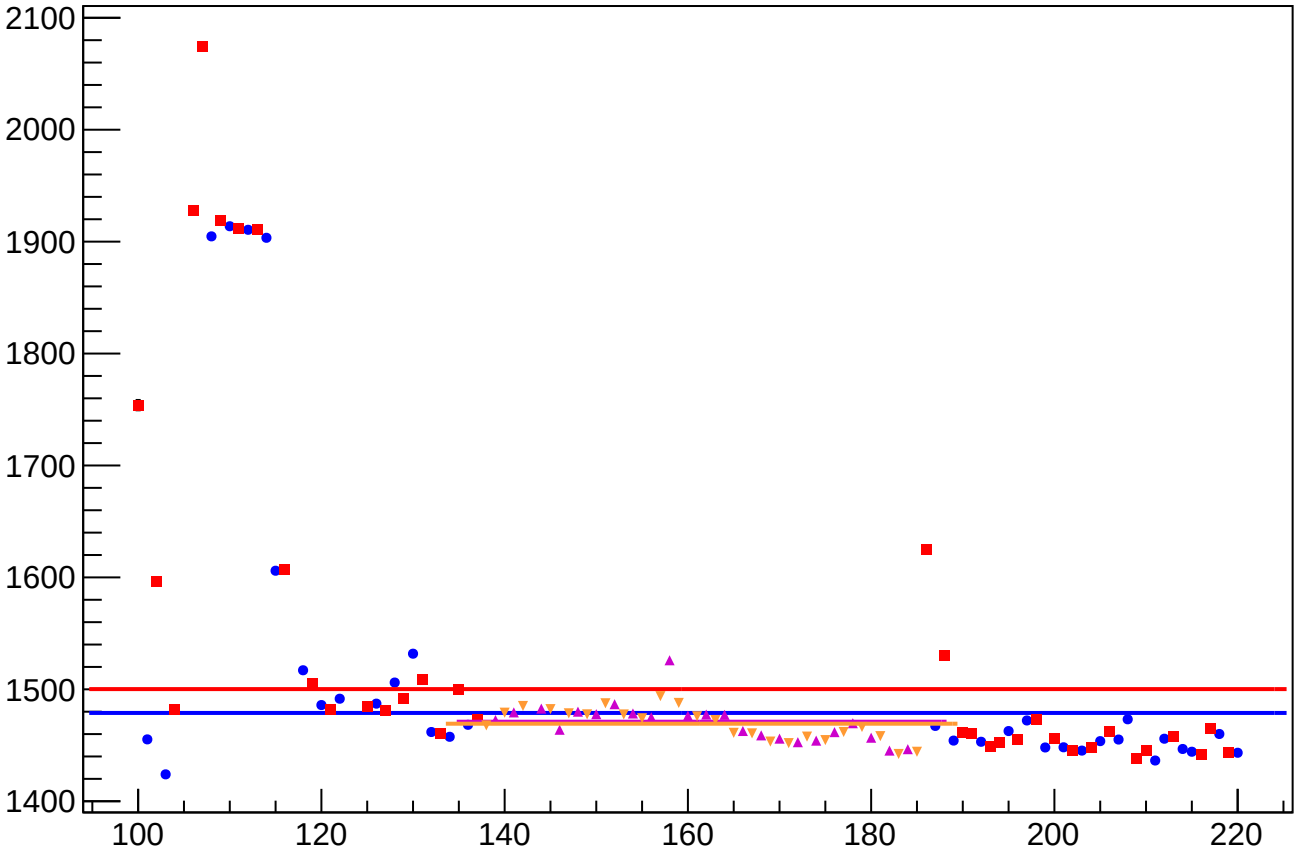
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1858.401+/-229.103 χ^2/NDF: 52.7/68

In: 1906.080+/-235.191 χ^2/NDF:49.5/55

Out: 1547.320+/-235.384 χ^2/NDF:49.4/59

All: 1726.847+/-166.373 χ^2/NDF: 100.1/115



Right In: 1478.896+/-0.228 χ^2/NDF: 157498.3/32

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

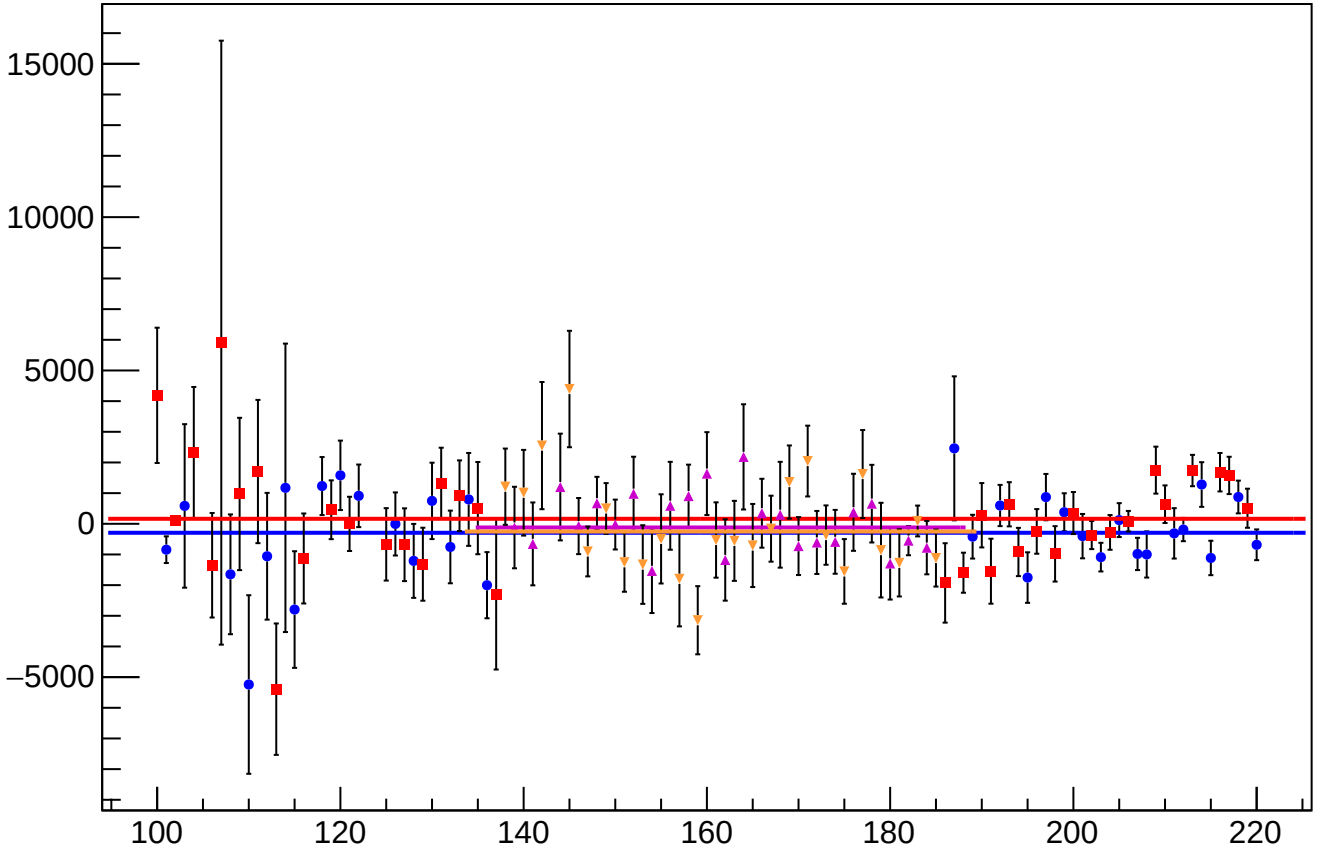
Right: 1489.460+/-0.162 χ^2/NDF: 413268.1/68

In: 1475.219+/-0.166 χ^2/NDF:162694.4/55

Out: 1485.460+/-0.166 χ^2/NDF:263217.0/59

All: 1480.335+/-0.118 χ^2/NDF: 427805.7/115

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -292.574+/-129.304 χ^2/NDF: 46.5/32

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 163.108+/-100.692 χ^2/NDF: 63.6/35

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

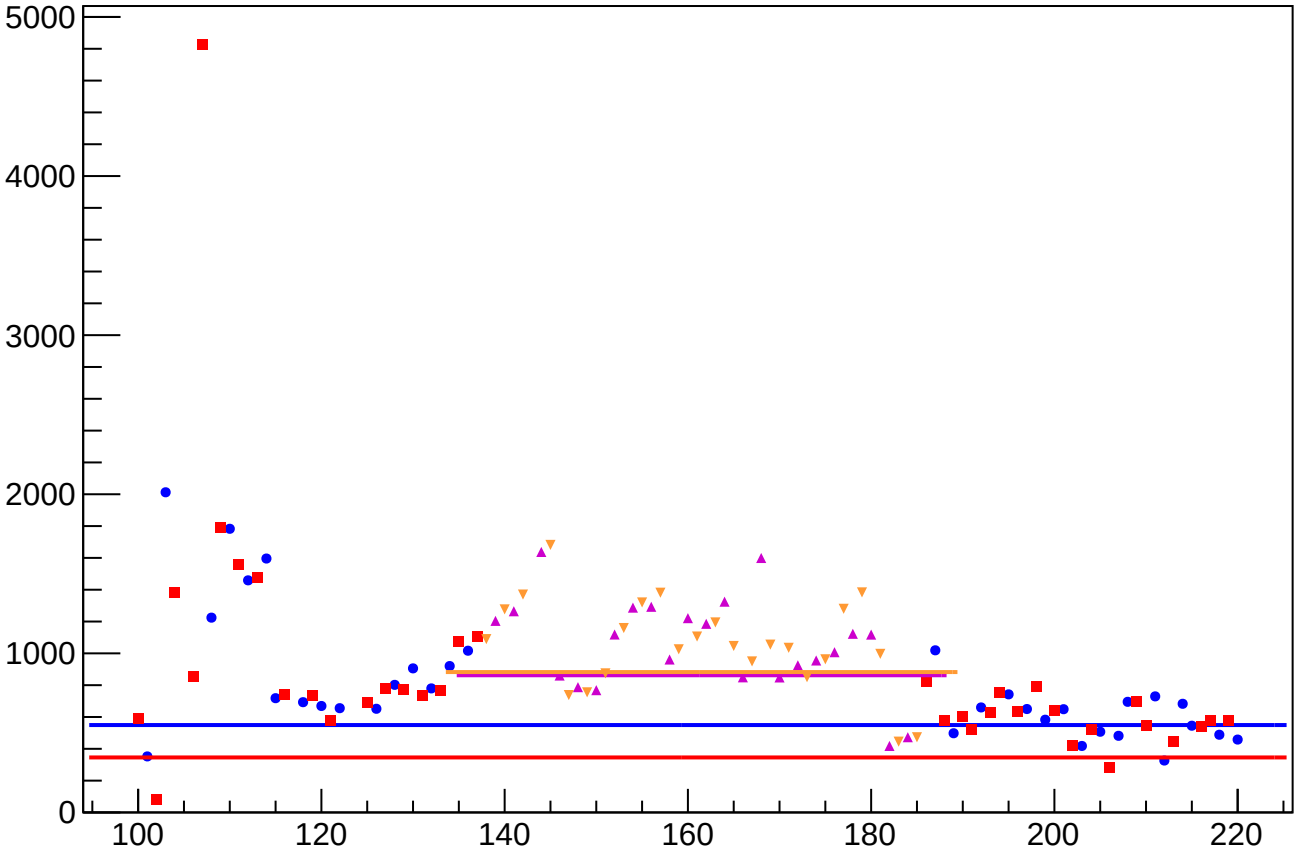
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -8.909+/-79.445 χ^2/NDF: 117.8/68

In: -246.998+/-110.941 χ^2/NDF:59.8/55

Out: 90.394+/-91.439 χ^2/NDF:99.3/59

All: -46.089+/-70.561 χ^2/NDF: 164.6/115



Right In: 549.380+/-0.091 χ^2/NDF: 4602648.6/32

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 345.748+/-0.071 χ^2/NDF: 16036320.5/35

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

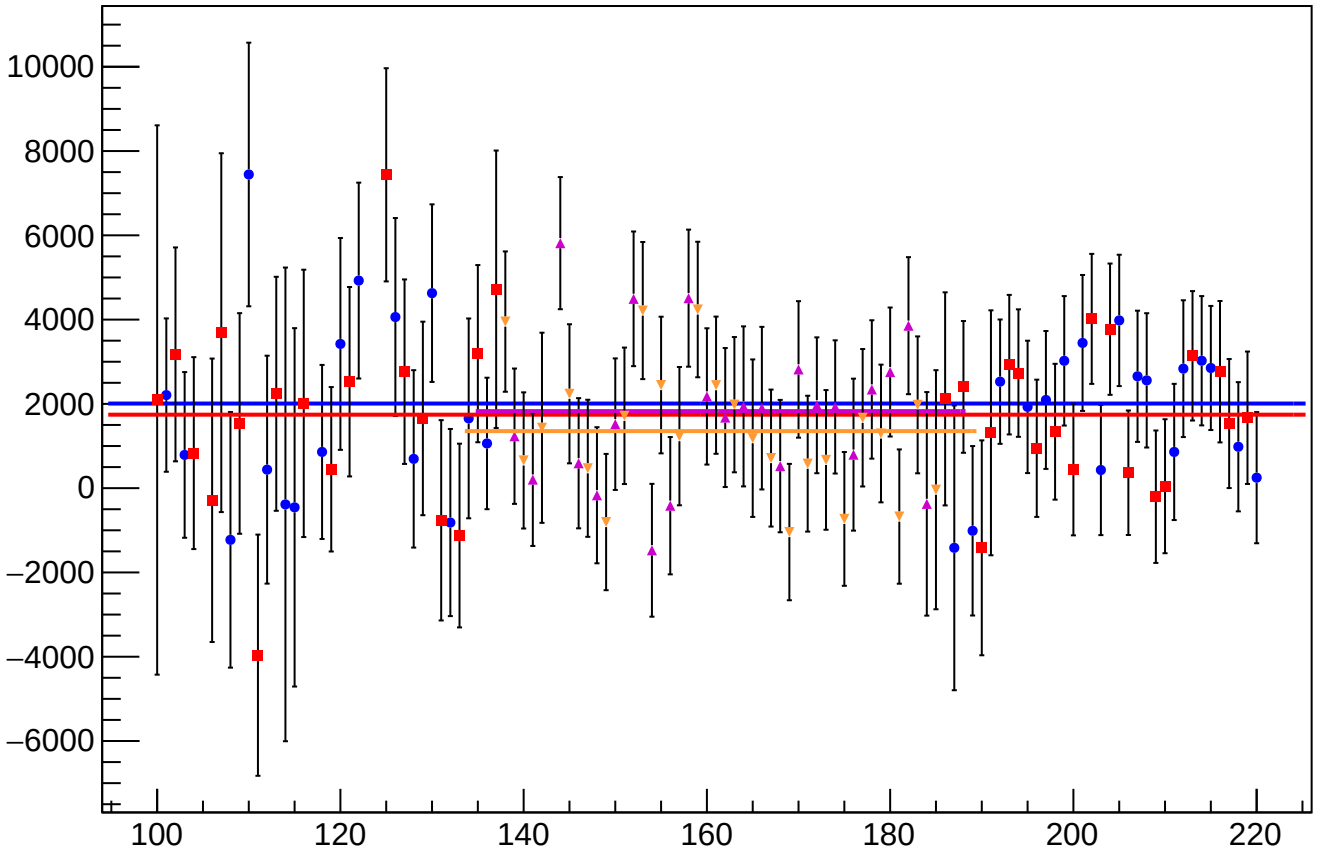
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 422.618+/-0.056 χ^2/NDF: 23726711.6/68

In: 631.948+/-0.078 χ^2/NDF:12062697.6/55

Out: 439.849+/-0.065 χ^2/NDF:29899870.5/59

All: 517.557+/-0.050 χ^2/NDF: 45533305.9/11



Right In: 2008.015+/-324.406 χ^2/NDF: 23.2/32

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1743.877+/-328.841 χ^2/NDF: 27.4/35

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

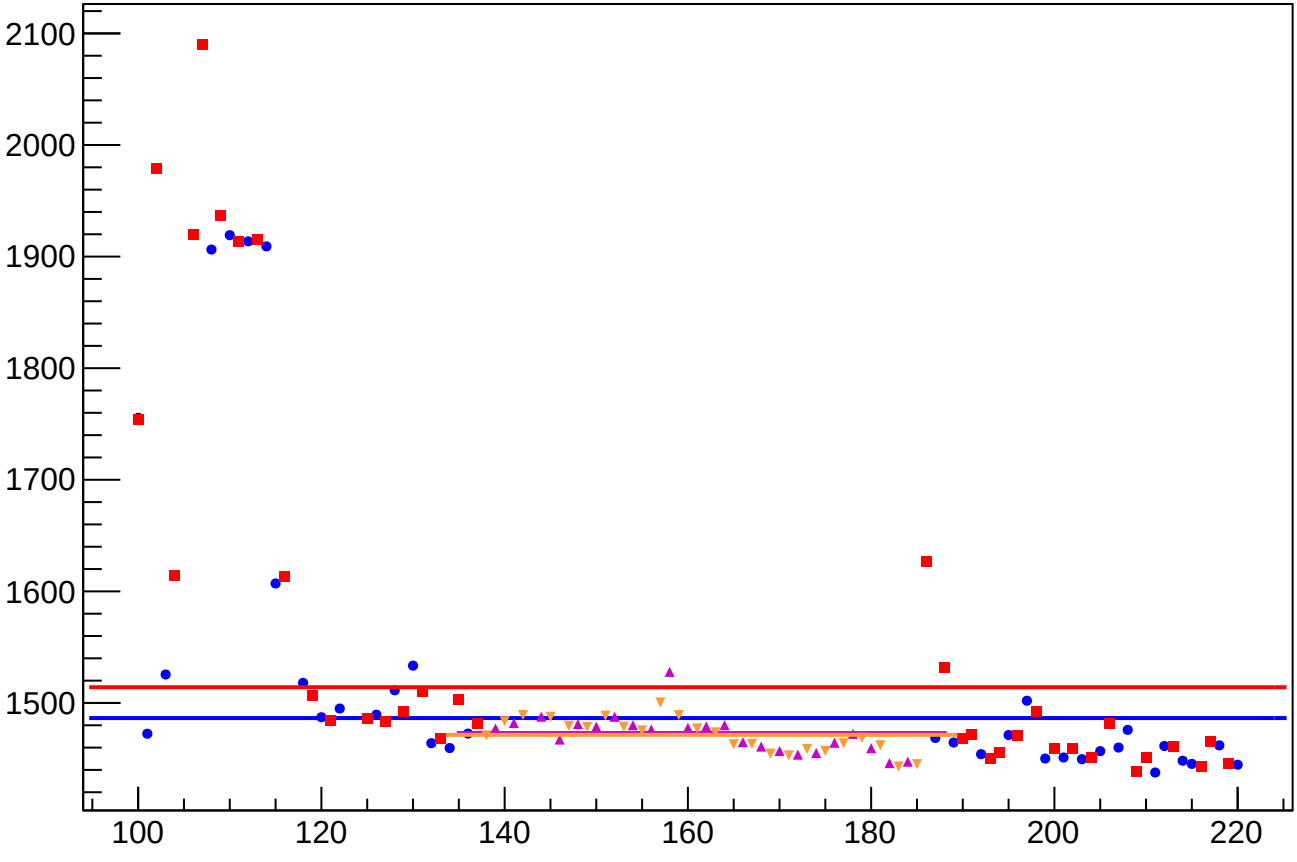
Right: 1877.739+/-230.942 χ^2/NDF: 50.9/68

In: 1923.385+/-235.997 χ^2/NDF:49.1/55

Out: 1556.187+/-236.898 χ^2/NDF:47.0/59

All: 1740.485+/-167.193 χ^2/NDF: 97.3/115

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1486.468+/-0.229 χ^2/NDF: 156006.0/32

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1514.067+/-0.233 χ^2/NDF: 318549.2/35

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

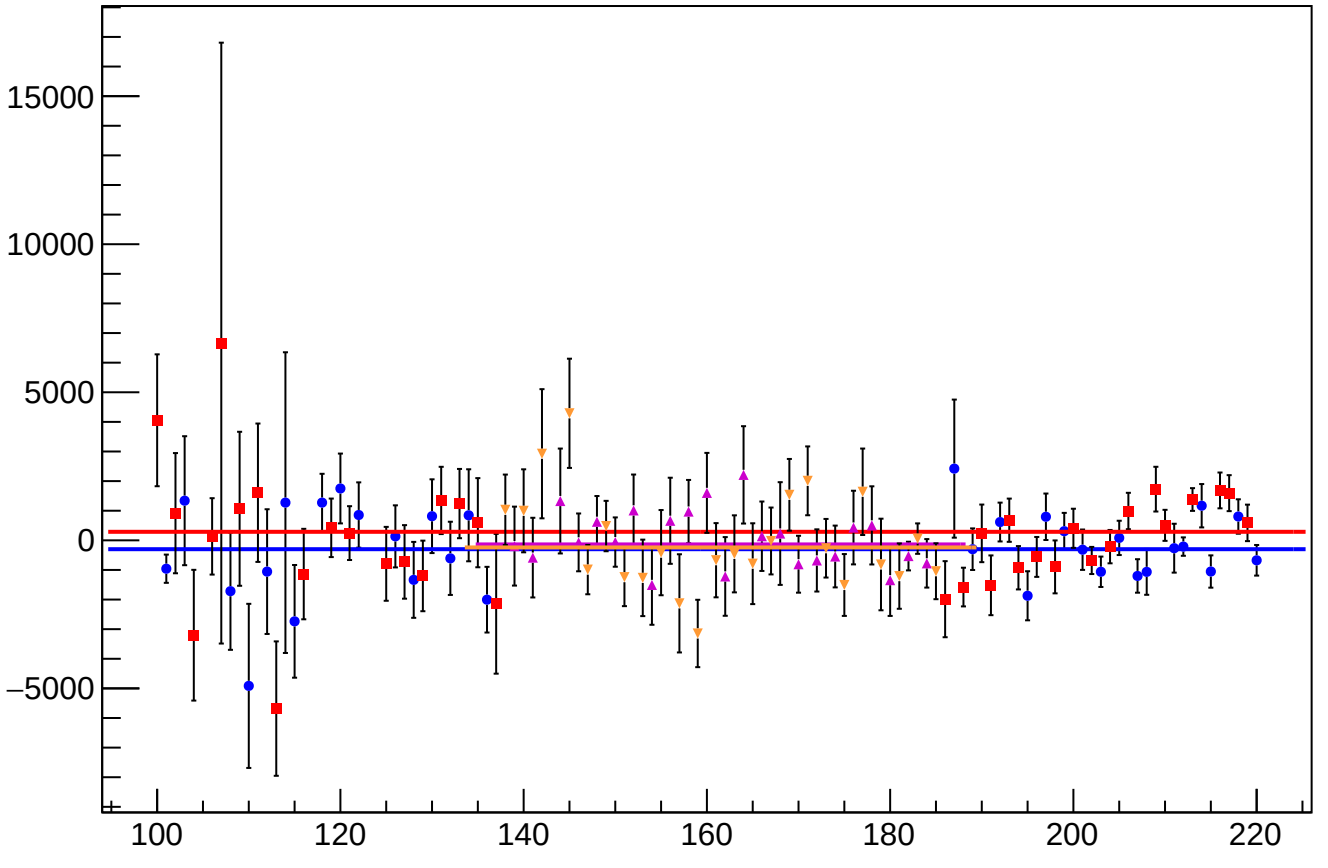
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1500.080+/-0.163 χ^2/NDF: 481694.9/68

In: 1480.150+/-0.167 χ^2/NDF:162368.3/55

Out: 1493.561+/-0.168 χ^2/NDF:338154.2/59

All: 1486.830+/-0.118 χ^2/NDF: 503739.4/115



Right In: -299.219+/-129.213 χ^2/NDF: 45.1/32

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 287.938+/-136.237 χ^2/NDF: 69.3/35

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

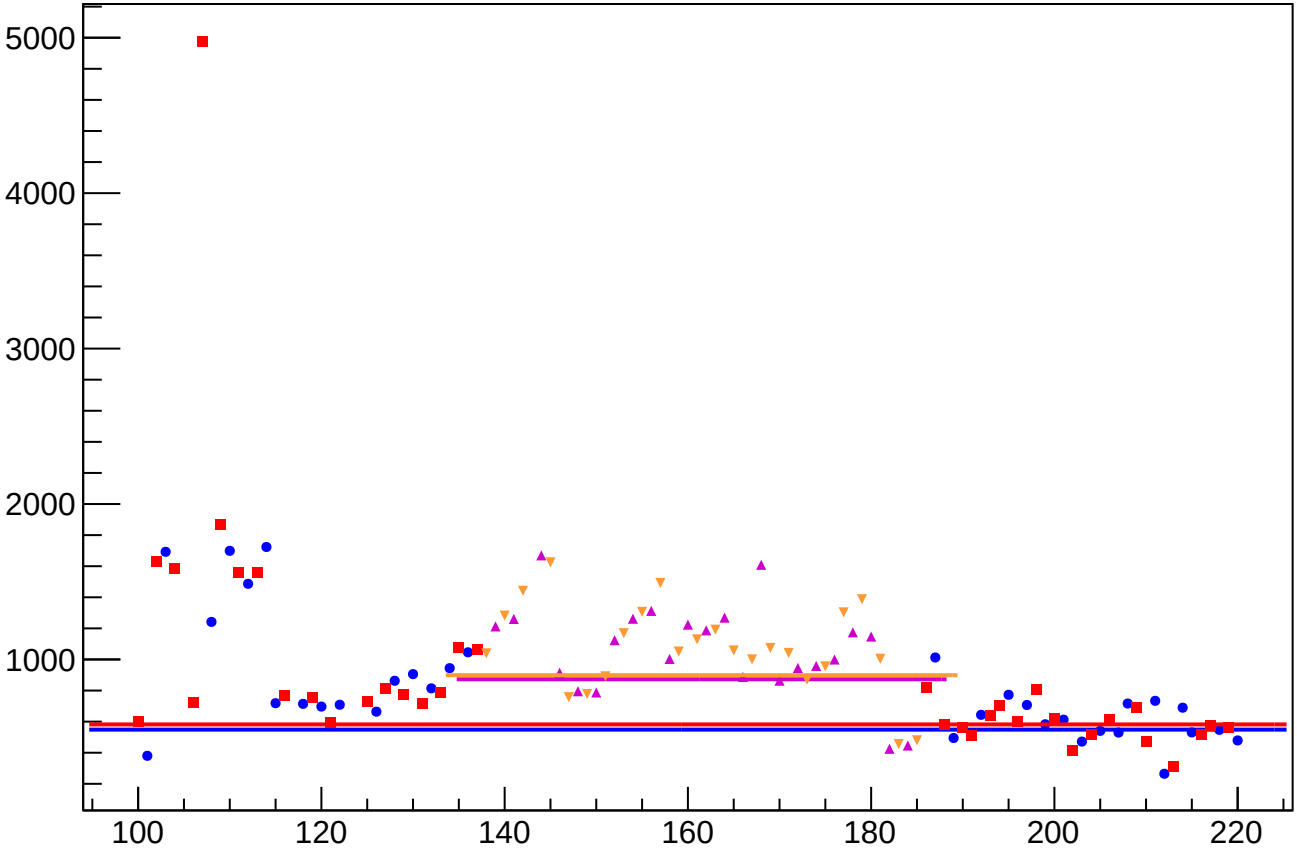
Right: -21.166+/-93.752 χ^2/NDF: 124.2/68

In: -257.550+/-111.218 χ^2/NDF:58.5/55

Out: 143.234+/-116.085 χ^2/NDF:105.8/59

All: -65.736+/-80.308 χ^2/NDF: 170.5/115

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 548.622+/-0.091 χ^2/NDF: 5383880.0/32

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 582.035+/-0.096 χ^2/NDF: 4876419.8/35

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

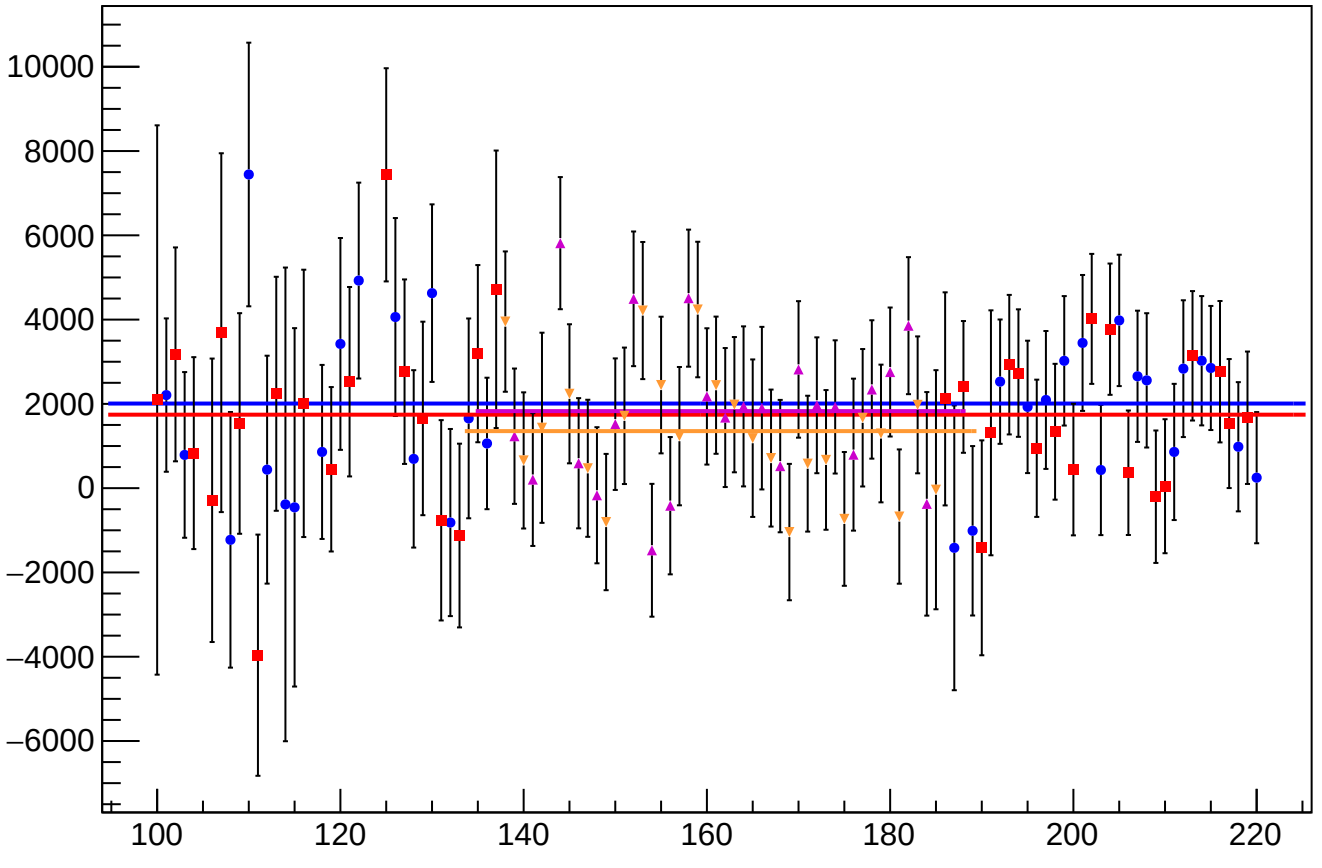
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 564.445+/-0.066 χ^2/NDF: 10323630.0/68

In: 632.544+/-0.079 χ^2/NDF:13075055.4/55

Out: 668.827+/-0.082 χ^2/NDF:11630928.9/59

All: 649.909+/-0.057 χ^2/NDF: 24807856.7/11



Right In: 2008.013+/-324.406 χ^2/NDF: 23.2/32

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1743.877+/-328.841 χ^2/NDF: 27.4/35

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

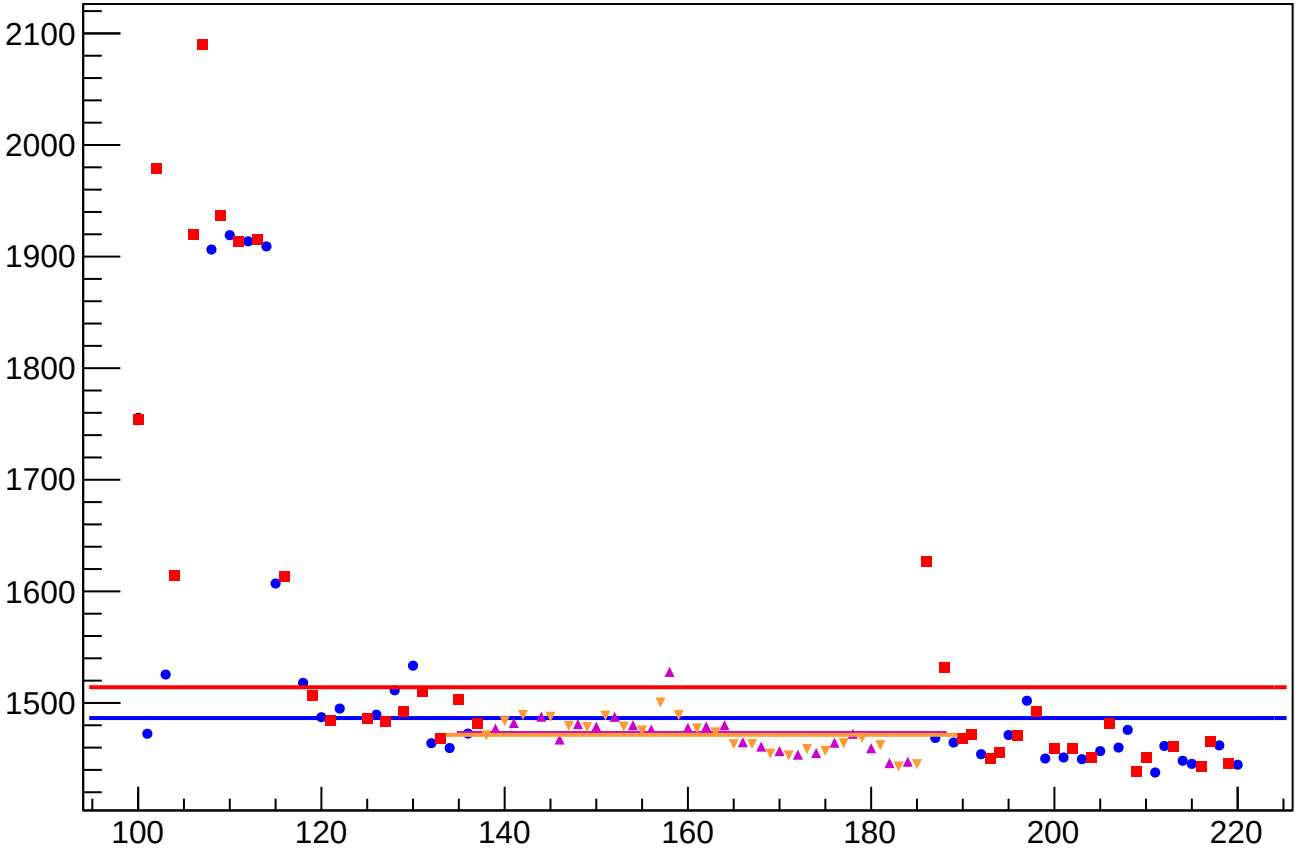
Right: 1877.738+/-230.942 χ^2/NDF: 50.9/68

In: 1923.385+/-235.997 χ^2/NDF:49.1/55

Out: 1556.186+/-236.898 χ^2/NDF:47.0/59

All: 1740.485+/-167.193 χ^2/NDF: 97.3/115

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1486.468+/-0.229 χ^2/NDF: 156005.8/32

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1514.067+/-0.233 χ^2/NDF: 318548.7/35

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

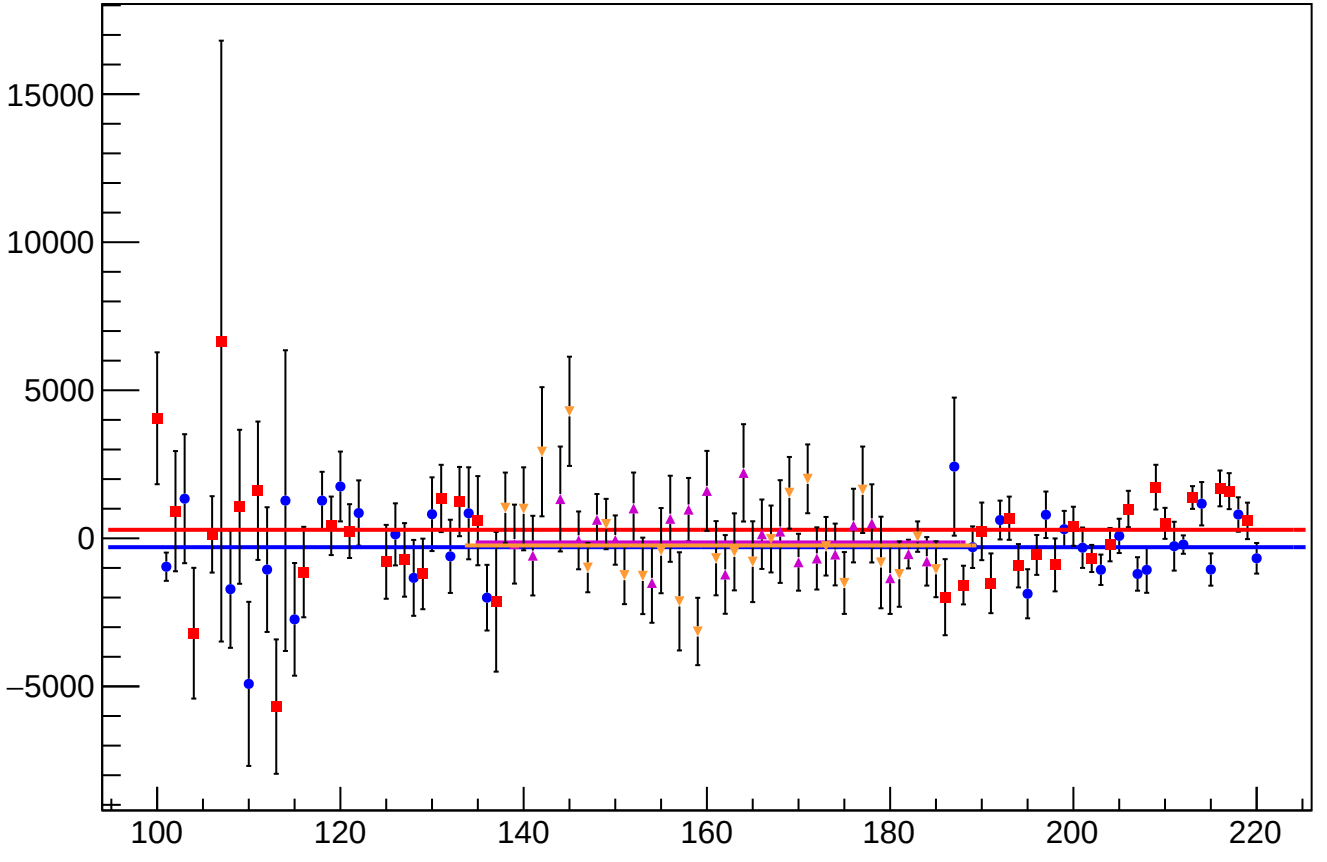
Right: 1500.080+/-0.163 χ^2/NDF: 481694.2/68

In: 1480.150+/-0.167 χ^2/NDF:162368.2/55

Out: 1493.561+/-0.168 χ^2/NDF:338153.7/59

All: 1486.830+/-0.118 χ^2/NDF: 503738.7/115

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -299.219+/-129.213 χ^2/NDF: 45.1/32

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 287.938+/-136.237 χ^2/NDF: 69.3/35

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

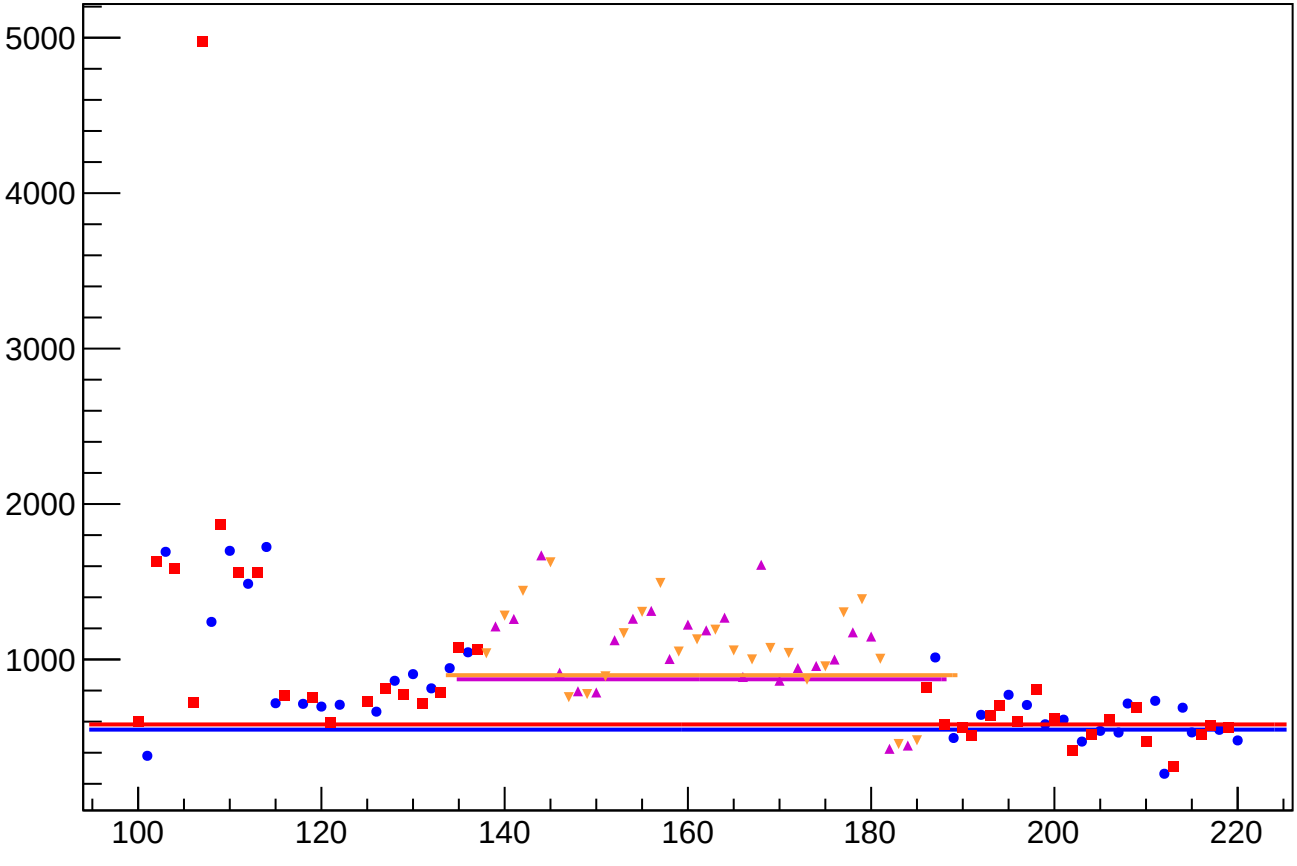
Right: -21.166+/-93.752 χ^2/NDF: 124.2/68

In: -257.550+/-111.218 χ^2/NDF:58.5/55

Out: 143.233+/-116.085 χ^2/NDF:105.8/59

All: -65.736+/-80.308 χ^2/NDF: 170.5/115

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 548.623+/-0.091 χ^2/NDF: 5383876.0/32

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 582.035+/-0.096 χ^2/NDF: 4876416.9/35

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

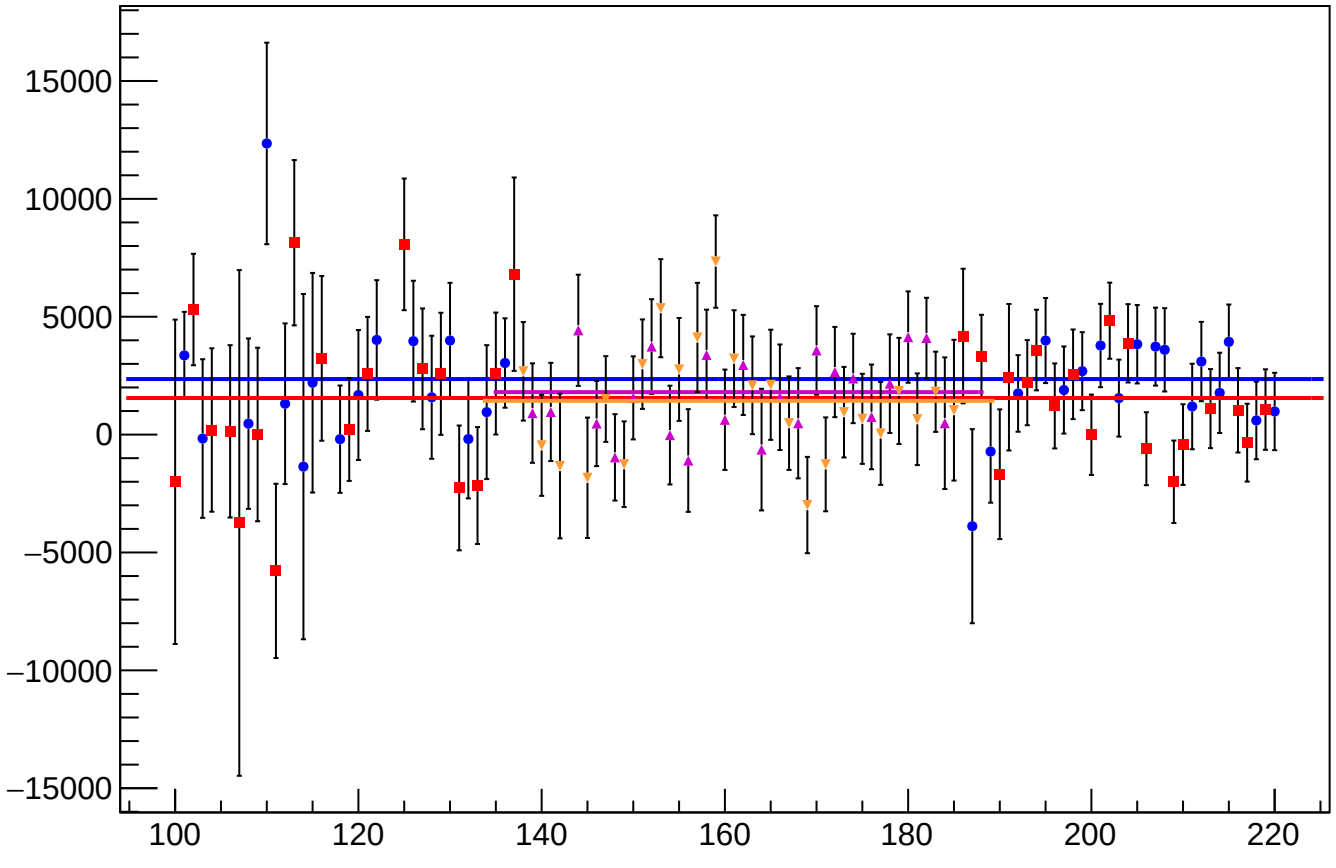
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 564.445+/-0.066 χ^2/NDF: 10323623.7/68

In: 632.545+/-0.079 χ^2/NDF:13075067.5/55

Out: 668.828+/-0.082 χ^2/NDF:11630939.3/59

All: 649.910+/-0.057 χ^2/NDF: 24807879.9/11



Right In: 2356.293+/-361.093 χ^2/NDF: 22.8/32

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 1552.662+/-365.991 χ^2/NDF: 44.7/35

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

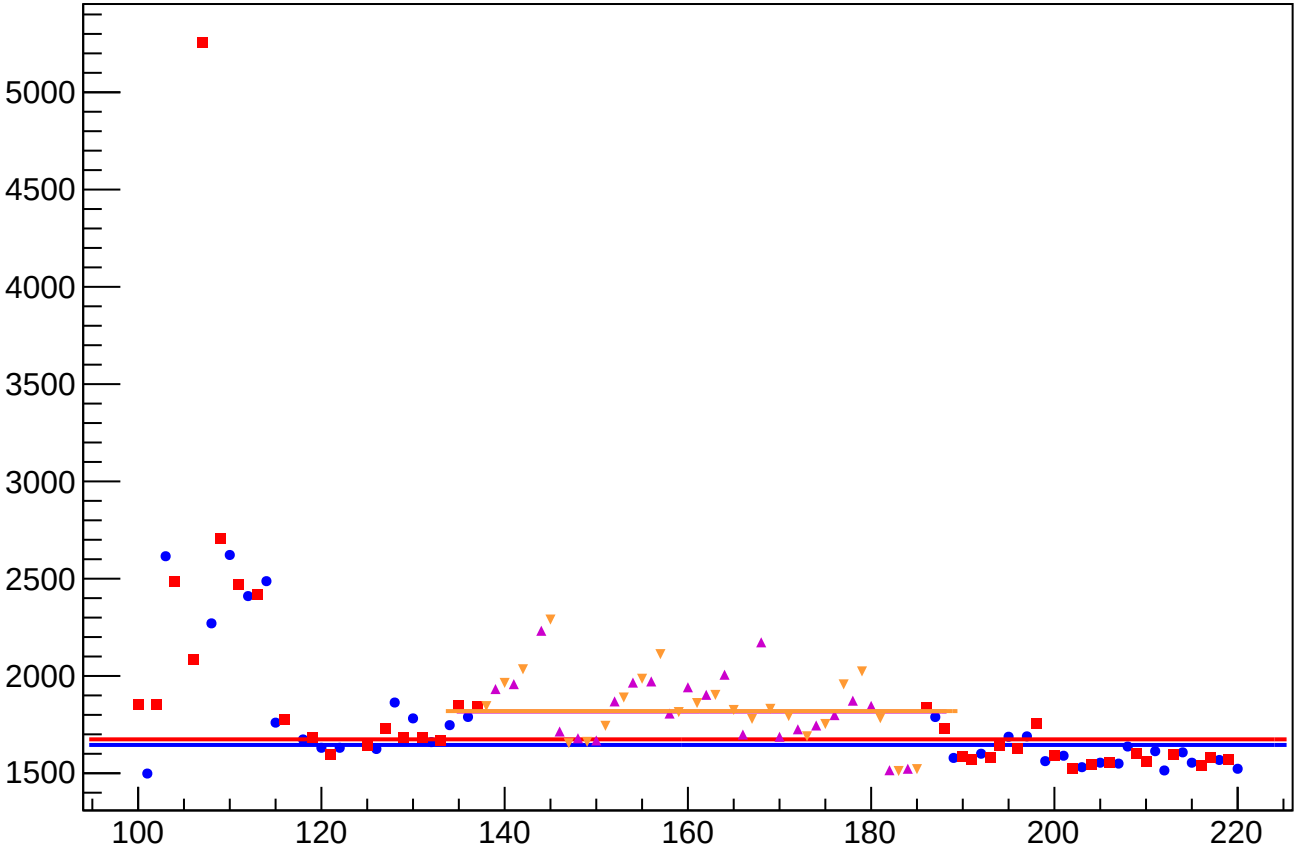
Right: 1959.891+/-257.046 χ^2/NDF: 70.0/68

In: 2124.661+/-275.582 χ^2/NDF:39.1/55

Out: 1501.769+/-277.182 χ^2/NDF:74.2/59

All: 1815.017+/-195.429 χ^2/NDF: 115.8/115

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1645.480+/-0.255 χ^2/NDF: 580107.8/32

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1674.236+/-0.259 χ^2/NDF: 839513.5/35

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

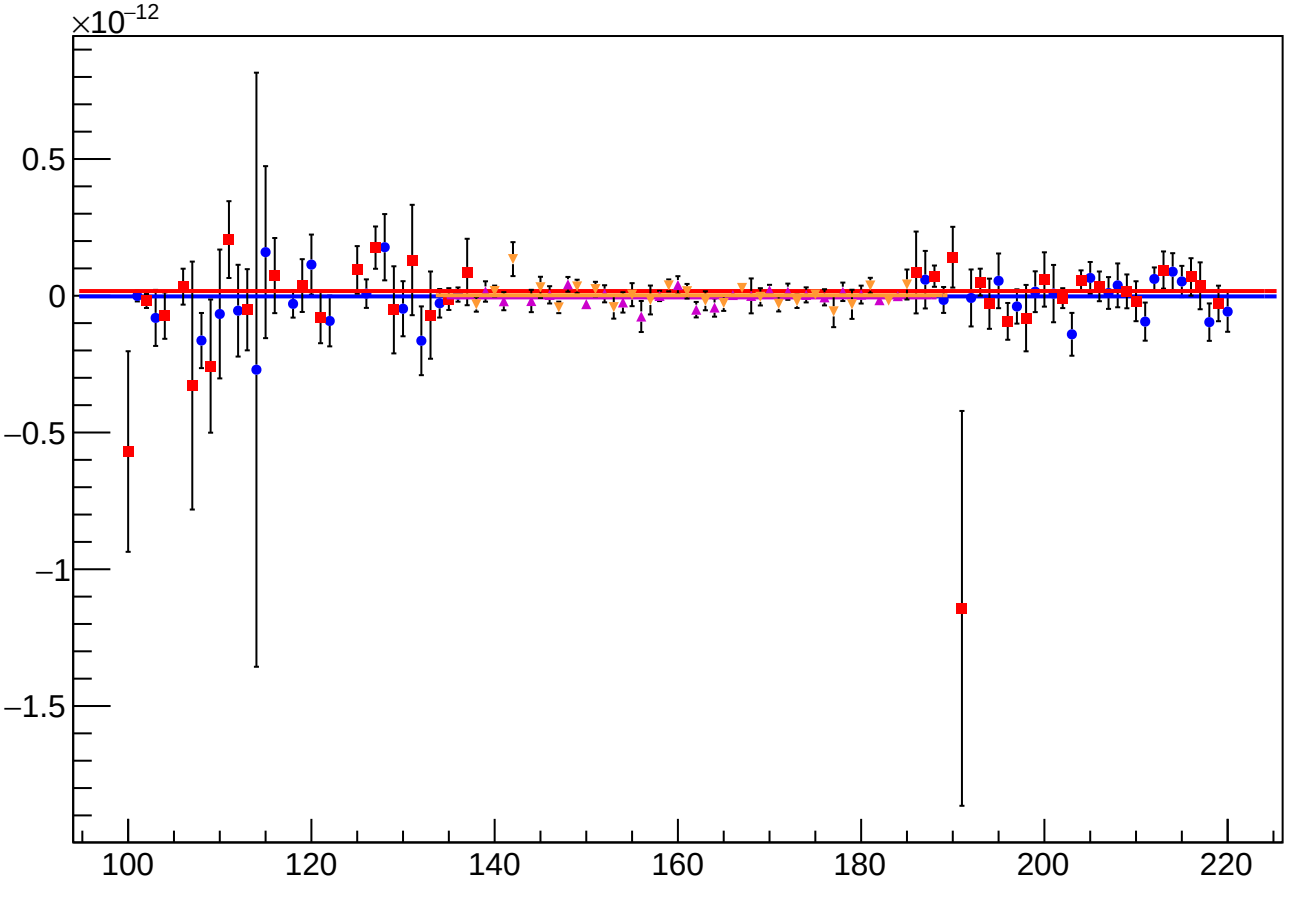
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1659.665+/-0.182 χ^2/NDF: 1425877.6/68

In: 1717.156+/-0.195 χ^2/NDF:1075938.9/55

Out: 1736.145+/-0.196 χ^2/NDF:1268729.4/59

All: 1726.596+/-0.138 χ^2/NDF: 2349388.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/35

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

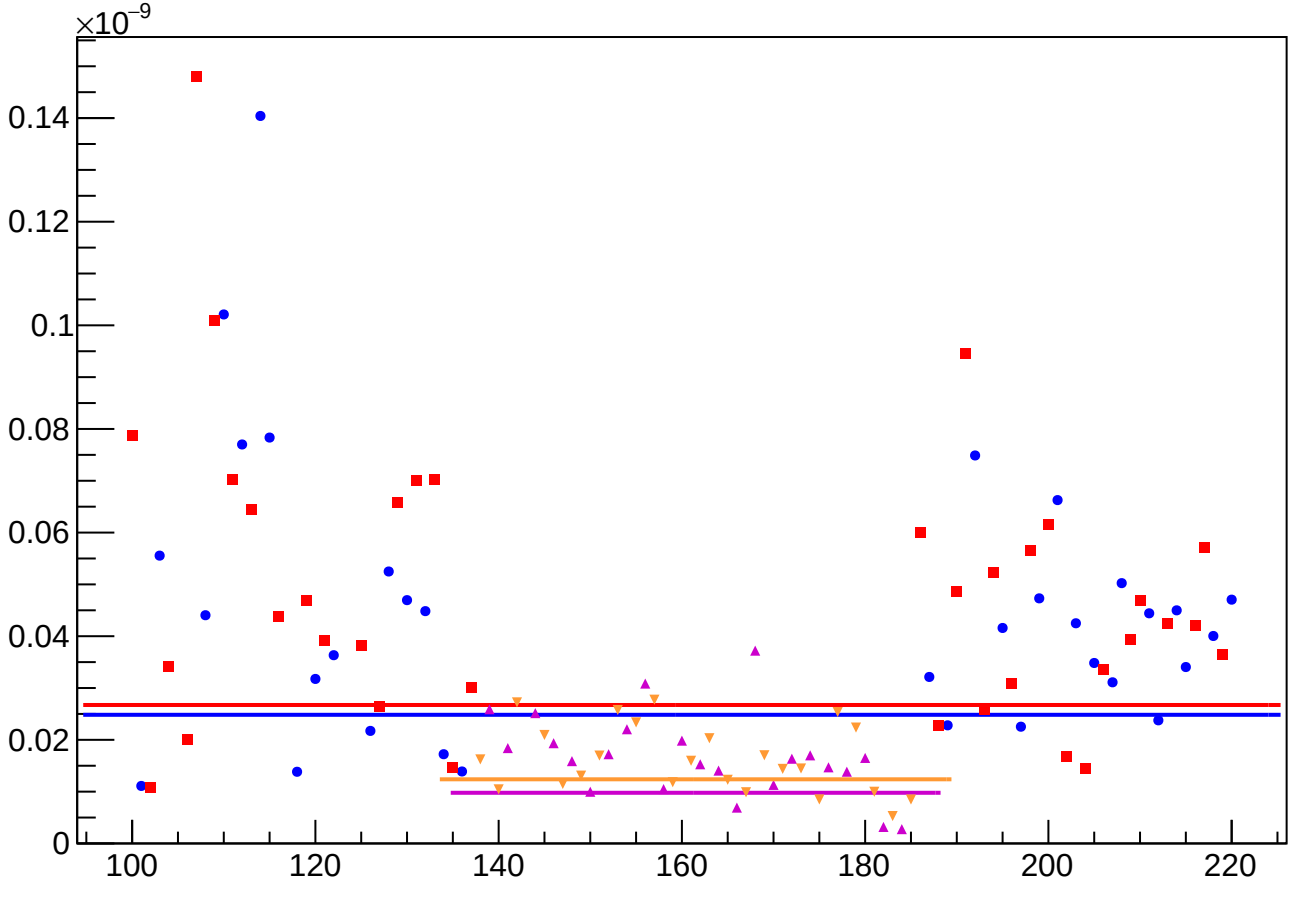
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 59.4/68

In: -0.000+/-0.000 χ^2/NDF:43.6/55

Out: 0.000+/-0.000 χ^2/NDF:63.0/59

All: -0.000+/-0.000 χ^2/NDF: 109.2/115



Right In: 0.000+/-0.000 χ^2/NDF: 4555511.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4136110.1/35

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

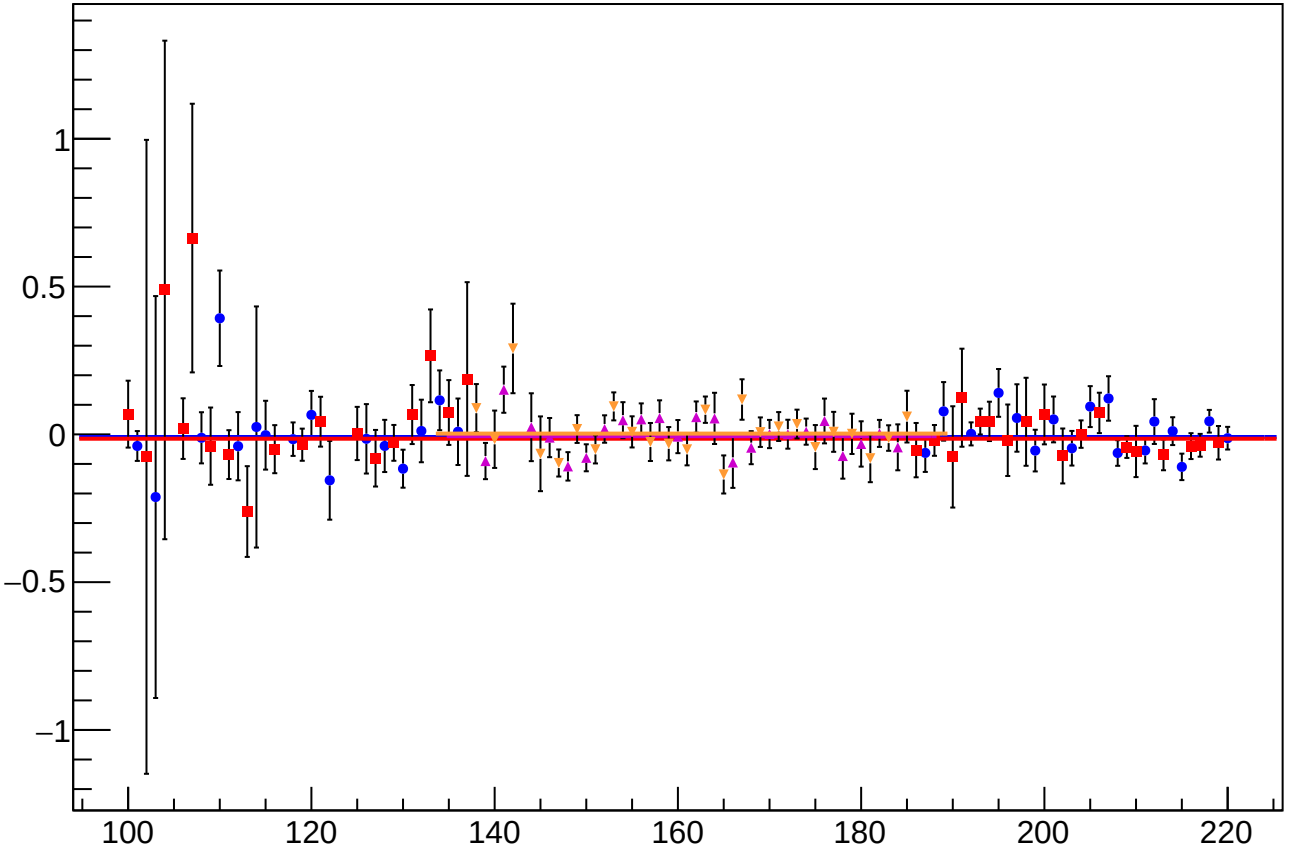
Right: 0.000+/-0.000 χ^2/NDF: 8723453.4/68

In: 0.000+/-0.000 χ^2/NDF:12677280.4/55

Out: 0.000+/-0.000 χ^2/NDF:8776526.8/59

All: 0.000+/-0.000 χ^2/NDF: 21810441.7/115

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/32

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

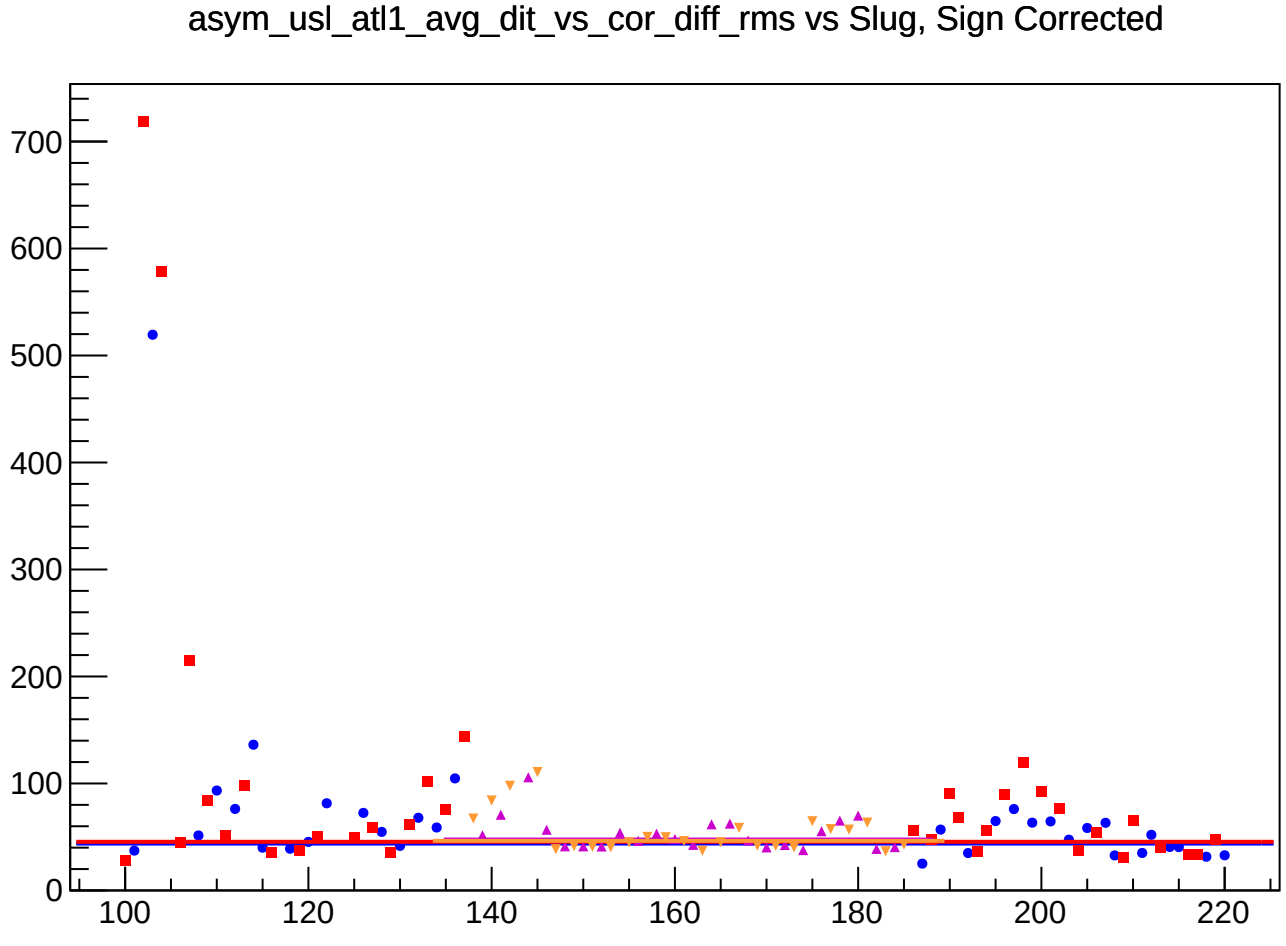
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.012+/-0.008 χ^2/NDF: 57.3/68

In: -0.008+/-0.008 χ^2/NDF:57.2/55

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/115



Right In: 43.821+/-0.008 χ^2/NDF: 4291841.5/32

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

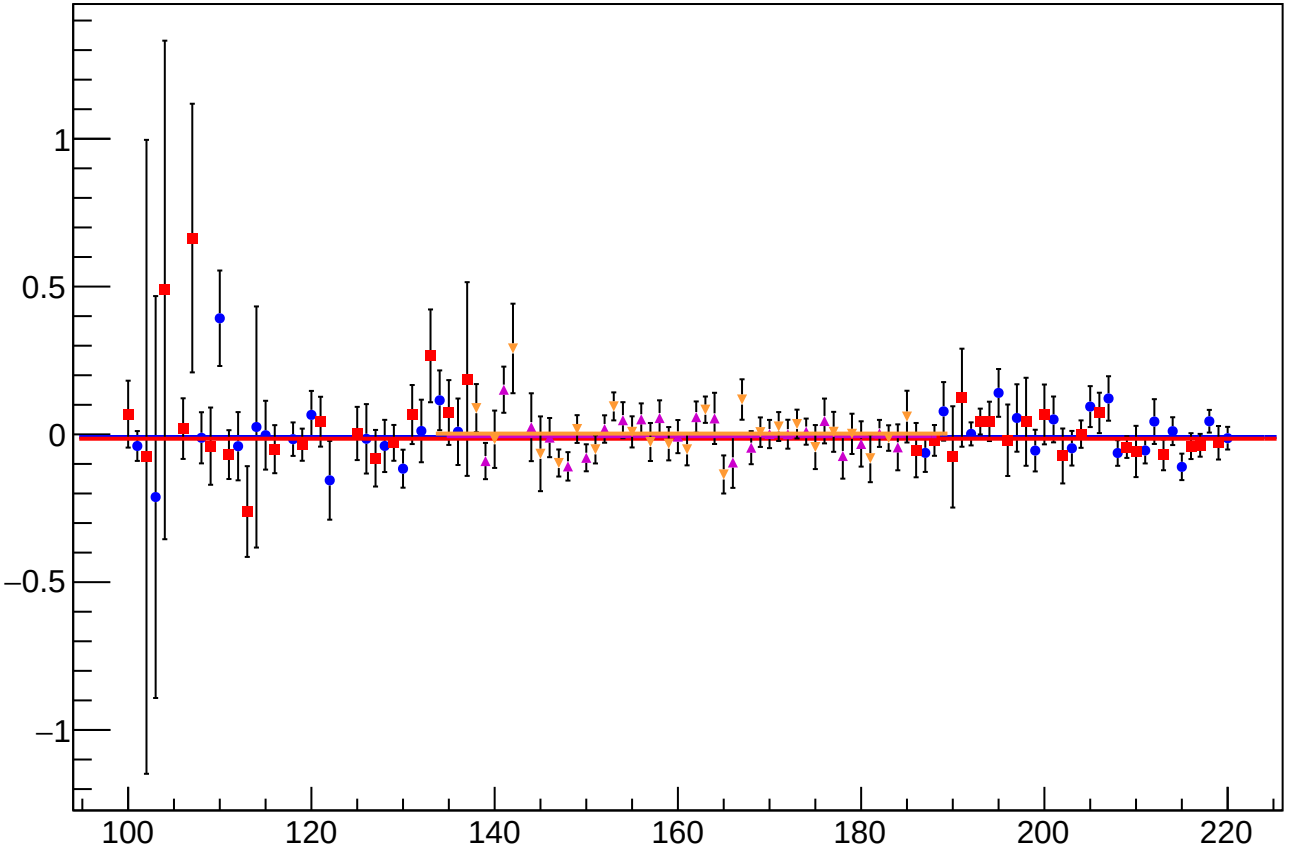
Right: 44.598+/-0.006 χ^2/NDF: 10112878.5/68

In: 45.573+/-0.006 χ^2/NDF:5970169.1/55

Out: 45.922+/-0.006 χ^2/NDF:7774157.2/59

All: 45.743+/-0.004 χ^2/NDF: 13746057.5/115

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/32

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

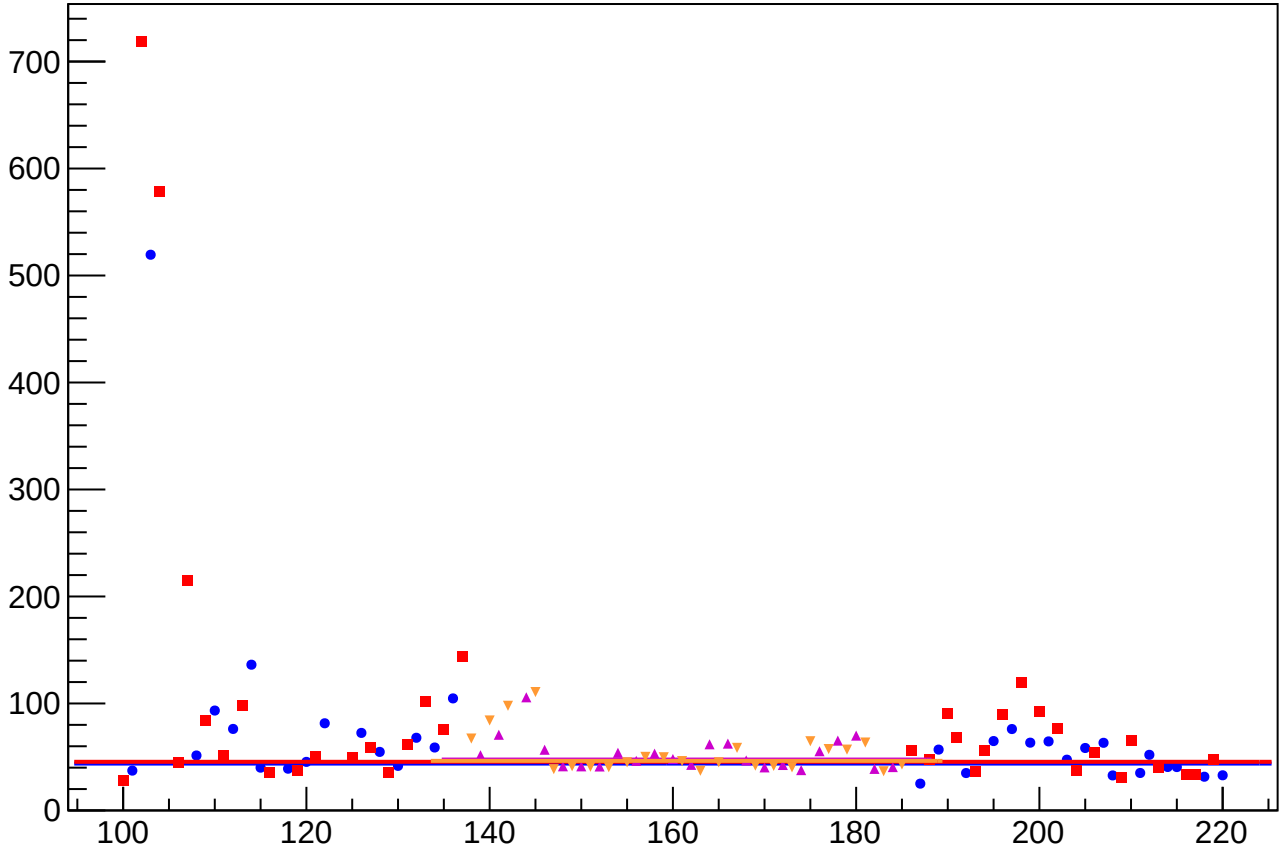
Right: -0.012+/-0.008 χ^2/NDF: 57.3/68

In: -0.008+/-0.008 χ^2/NDF:57.2/55

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/115

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.821+/-0.008 χ^2/NDF: 4291841.5/32

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

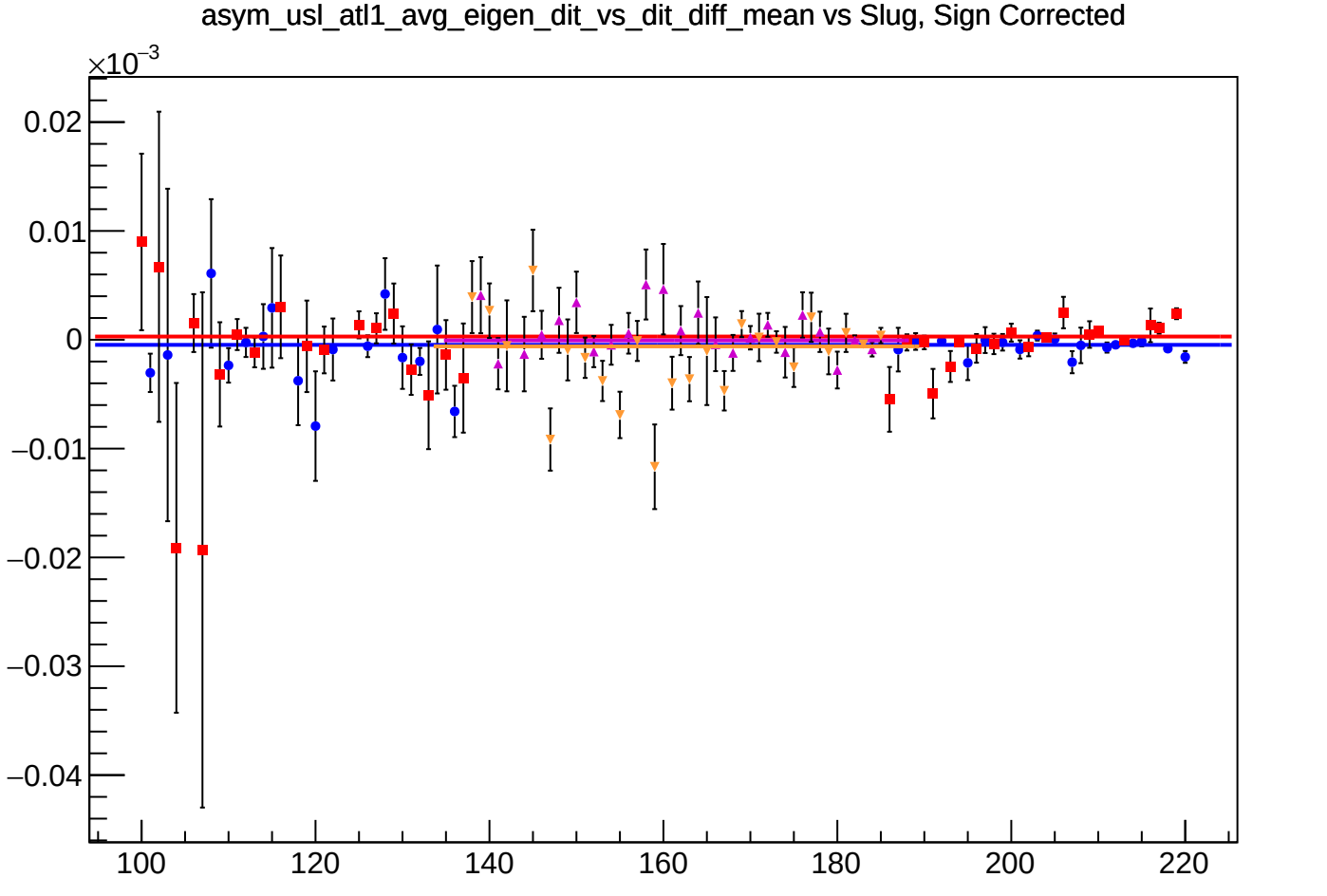
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 44.598+/-0.006 χ^2/NDF: 10112878.5/68

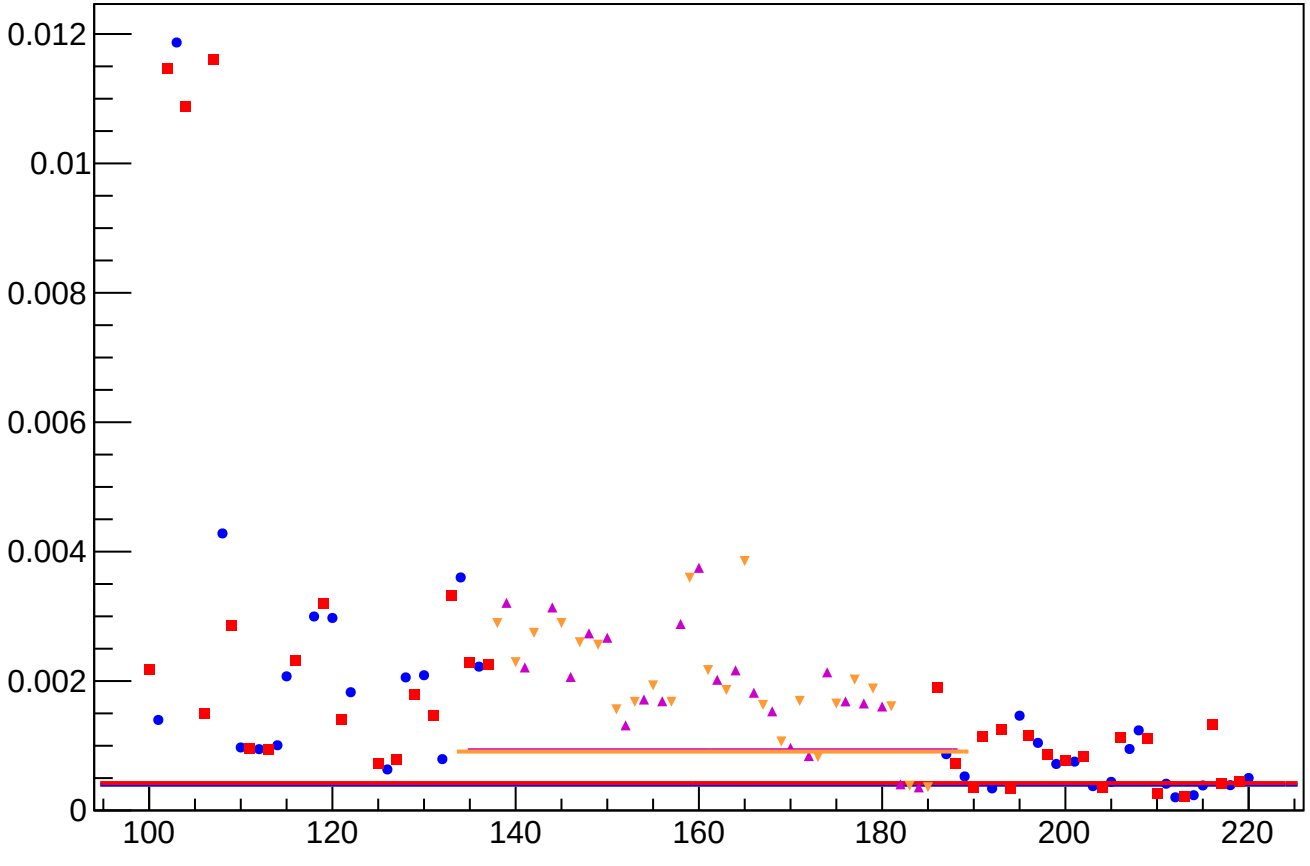
In: 45.573+/-0.006 χ^2/NDF:5970169.1/55

Out: 45.922+/-0.006 χ^2/NDF:7774157.2/59

All: 45.743+/-0.004 χ^2/NDF: 13746057.5/115


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 33.9/32
Left Out: -0.000+/-0.000 χ²/NDF:54.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 58.7/35
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 73.8/46
Right: -0.000+/-0.000 χ²/NDF: 113.2/68
In: -0.000+/-0.000 χ²/NDF:53.6/55
Out: 0.000+/-0.000 χ²/NDF:121.5/59
All: -0.000+/-0.000 χ²/NDF: 188.0/115

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14258612.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16248142.1/35

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

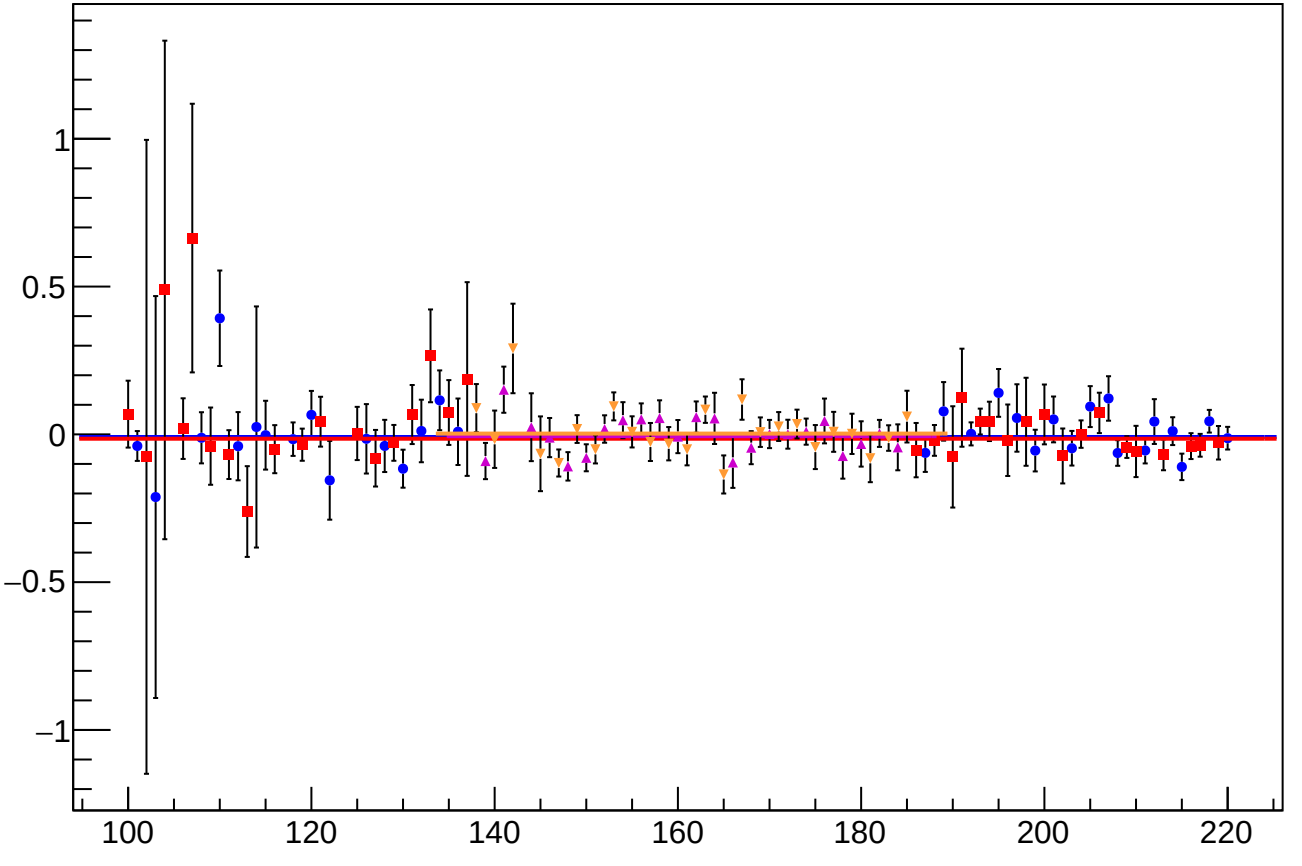
Right: 0.000+/-0.000 χ^2/NDF: 30553784.0/68

In: 0.000+/-0.000 χ^2/NDF:34093809.9/55

Out: 0.001+/-0.000 χ^2/NDF:35503163.7/59

All: 0.000+/-0.000 χ^2/NDF: 69679514.6/115

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/32

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

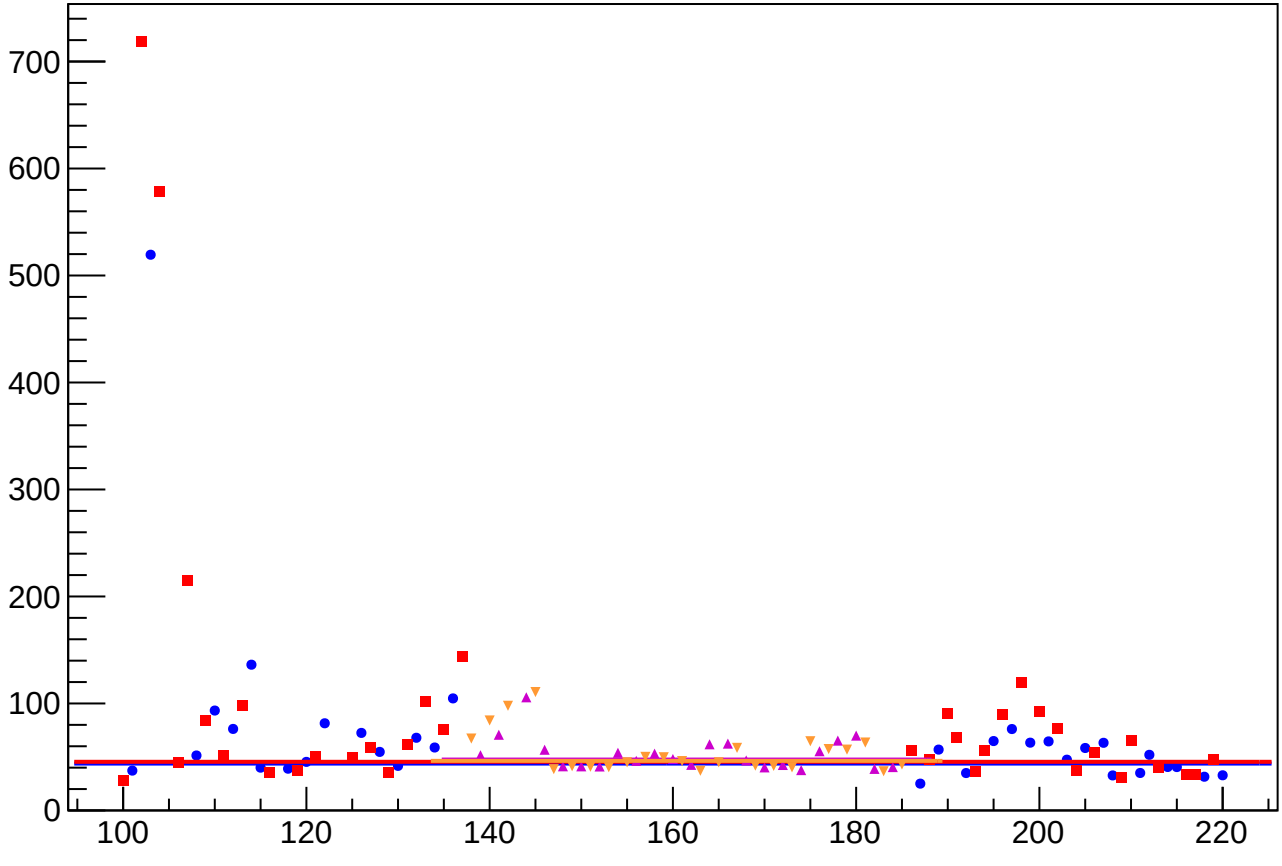
Right: -0.012+/-0.008 χ^2/NDF: 57.3/68

In: -0.008+/-0.008 χ^2/NDF:57.2/55

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/115

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.821+/-0.008 χ^2/NDF: 4291854.9/32

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

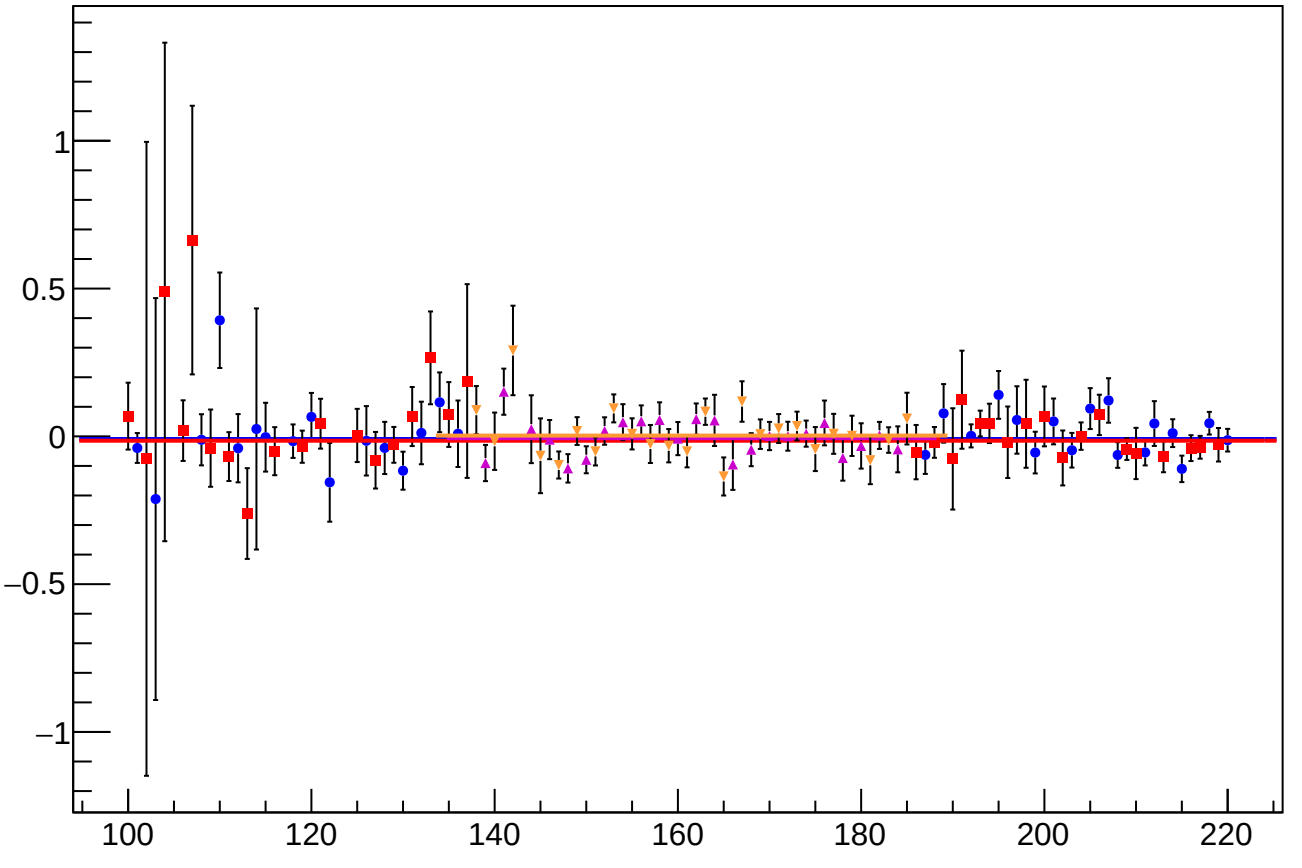
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 44.598+/-0.006 χ^2/NDF: 10112890.6/68

In: 45.573+/-0.006 χ^2/NDF:5970195.6/55

Out: 45.922+/-0.006 χ^2/NDF:7774153.7/59

All: 45.743+/-0.004 χ^2/NDF: 13746079.9/115



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/32

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

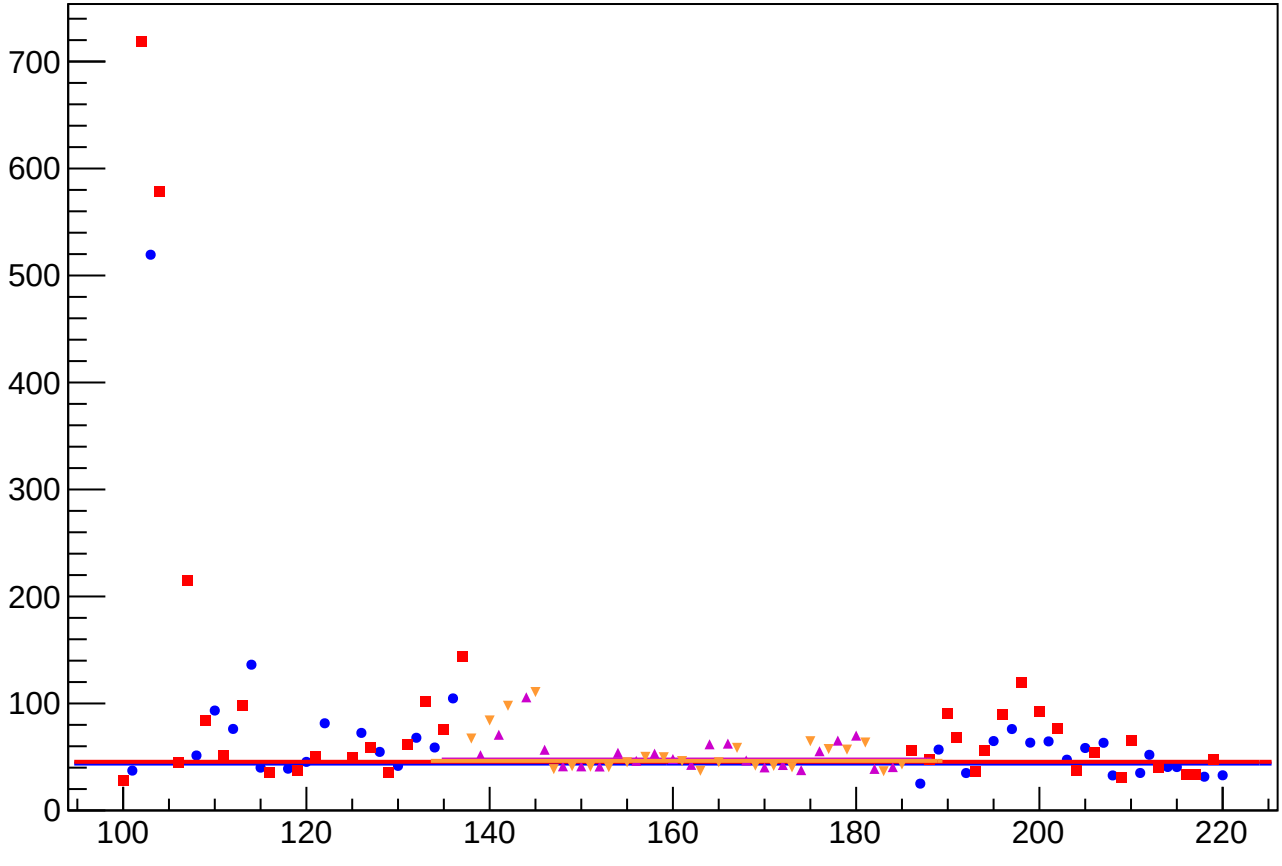
Right: -0.012+/-0.008 χ^2/NDF: 57.3/68

In: -0.008+/-0.008 χ^2/NDF:57.2/55

Out: -0.006+/-0.008 χ^2/NDF:52.6/59

All: -0.007+/-0.006 χ^2/NDF: 109.8/115

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.821+/-0.008 χ^2/NDF: 4291854.9/32

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

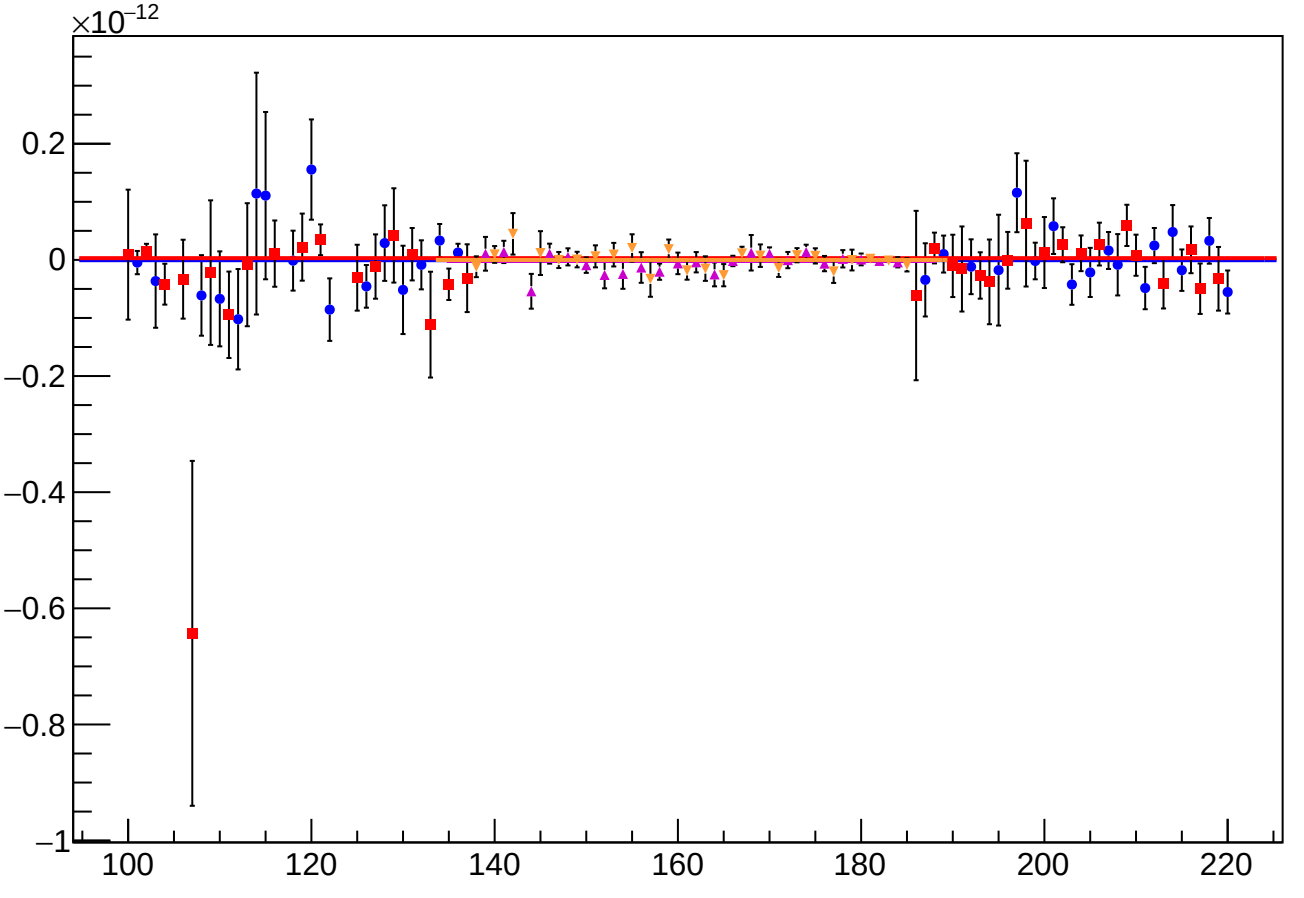
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 44.598+/-0.006 χ^2/NDF: 10112890.6/68

In: 45.573+/-0.006 χ^2/NDF:5970195.6/55

Out: 45.922+/-0.006 χ^2/NDF:7774153.7/59

All: 45.743+/-0.004 χ^2/NDF: 13746079.9/115



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/35

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

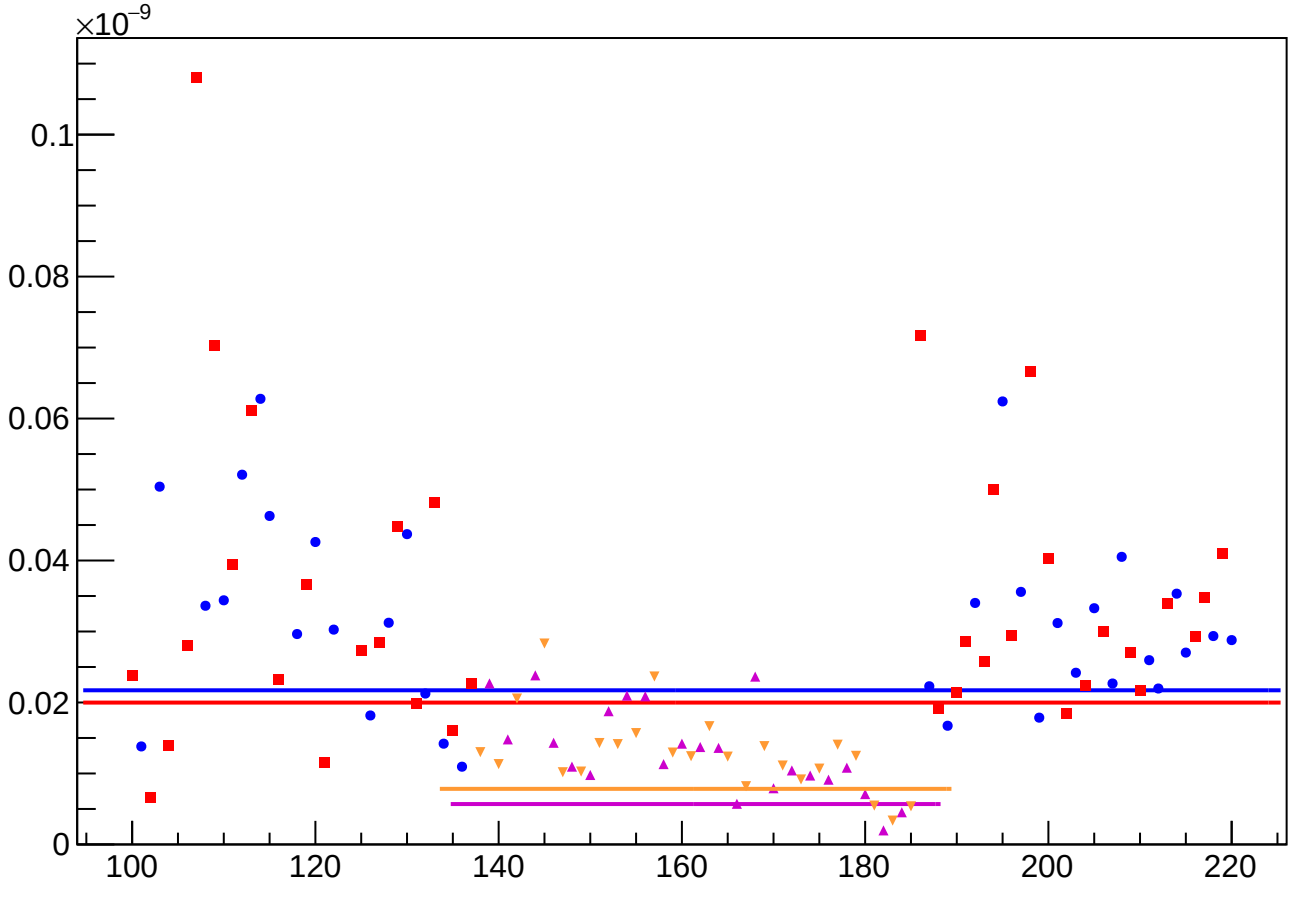
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 52.5/68

In: -0.000+/-0.000 χ^2/NDF:41.0/55

Out: 0.000+/-0.000 χ^2/NDF:38.8/59

All: -0.000+/-0.000 χ^2/NDF: 80.3/115



Right In: 0.000+/-0.000 χ^2/NDF: 4189841.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6451556.9/35

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

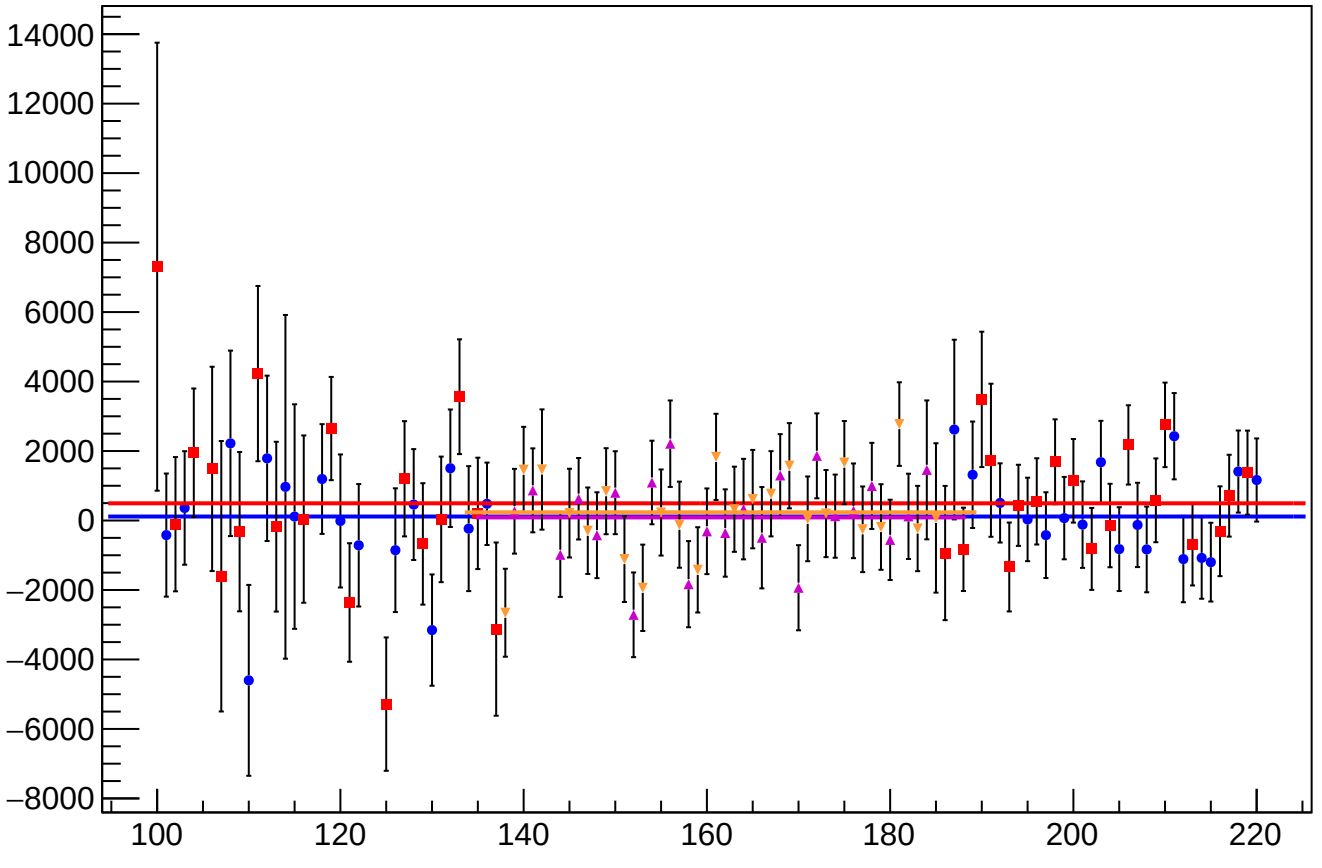
Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10708217.8/68

In: 0.000+/-0.000 χ^2/NDF:25658970.0/55

Out: 0.000+/-0.000 χ^2/NDF:18688777.9/59

All: 0.000+/-0.000 χ^2/NDF: 45383222.8/115



Right In: 114.622+/-252.112 χ^2/NDF: 23.9/32

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 494.992+/-254.120 χ^2/NDF: 41.8/35

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

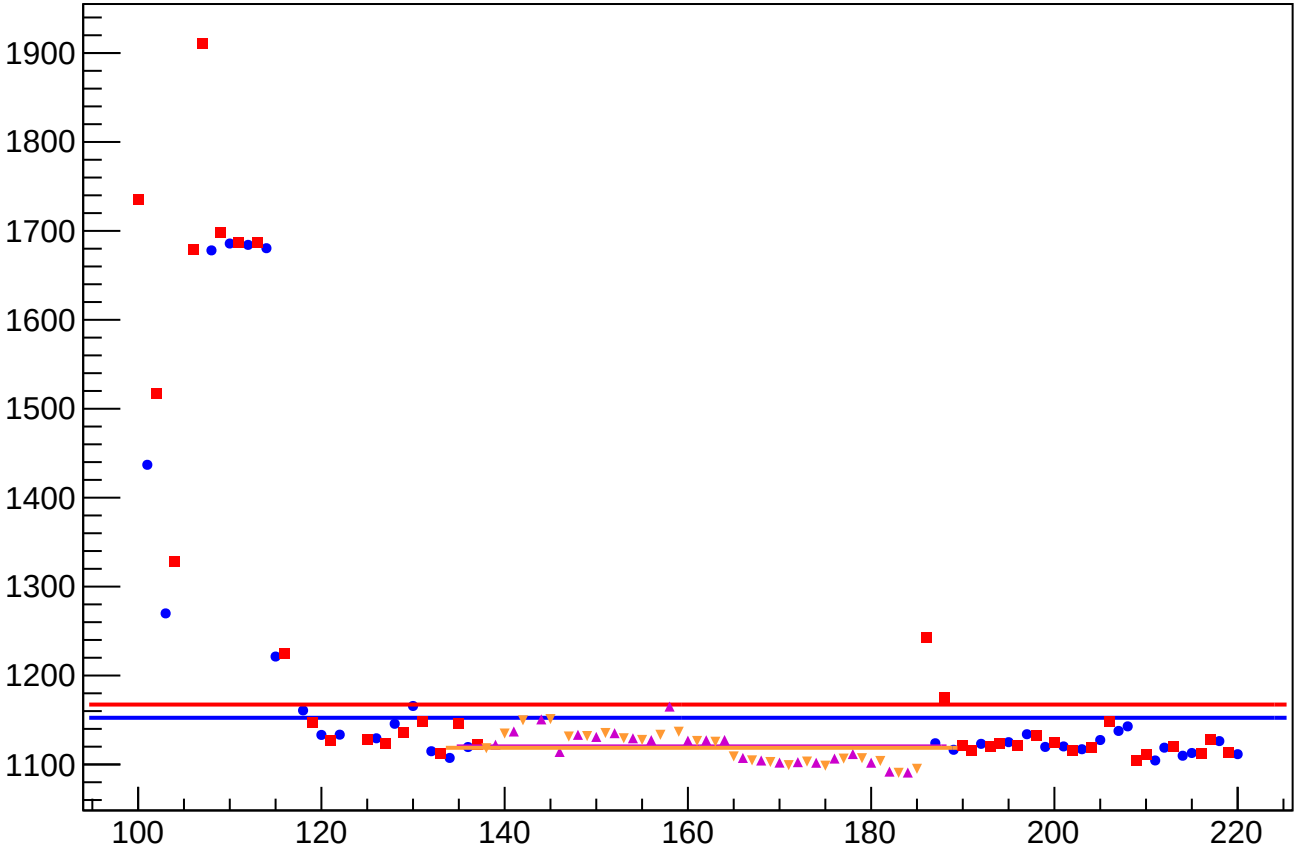
Right: 303.298+/-178.976 χ^2/NDF: 66.8/68

In: 101.986+/-181.532 χ^2/NDF:44.7/55

Out: 368.587+/-181.620 χ^2/NDF:65.0/59

All: 235.222+/-128.394 χ^2/NDF: 110.8/115

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1152.480+/-0.178 χ^2/NDF: 365988.0/32

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.355+/-0.180 χ^2/NDF: 568892.0/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

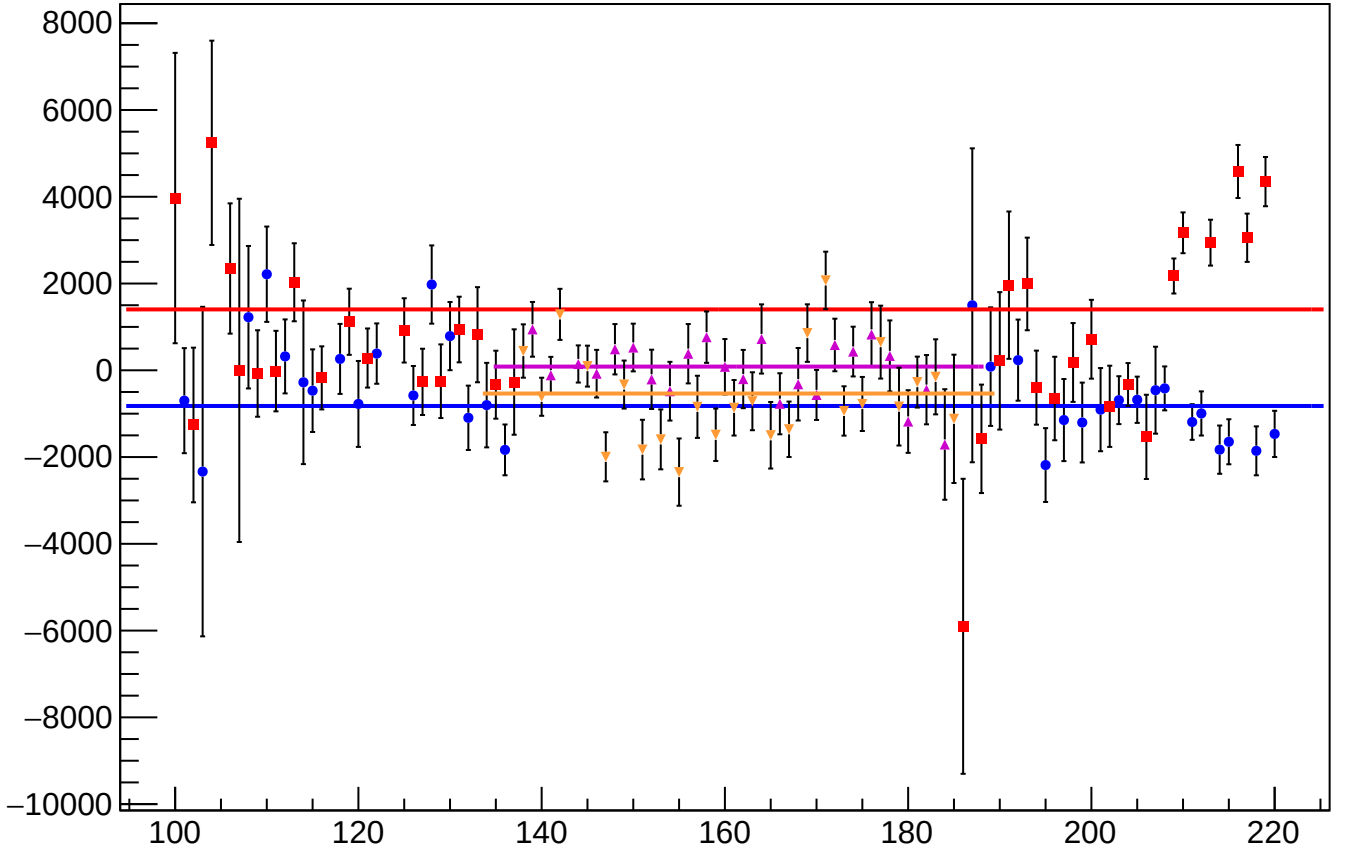
Right: 1159.858+/-0.127 χ^2/NDF: 938333.8/68

In: 1136.988+/-0.128 χ^2/NDF:391149.8/55

Out: 1143.569+/-0.128 χ^2/NDF:612914.9/59

All: 1140.277+/-0.091 χ^2/NDF: 1005378.3/11

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -822.538+/-127.262 χ^2/NDF: 50.7/32

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 1403.323+/-132.648 χ^2/NDF: 173.8/35

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

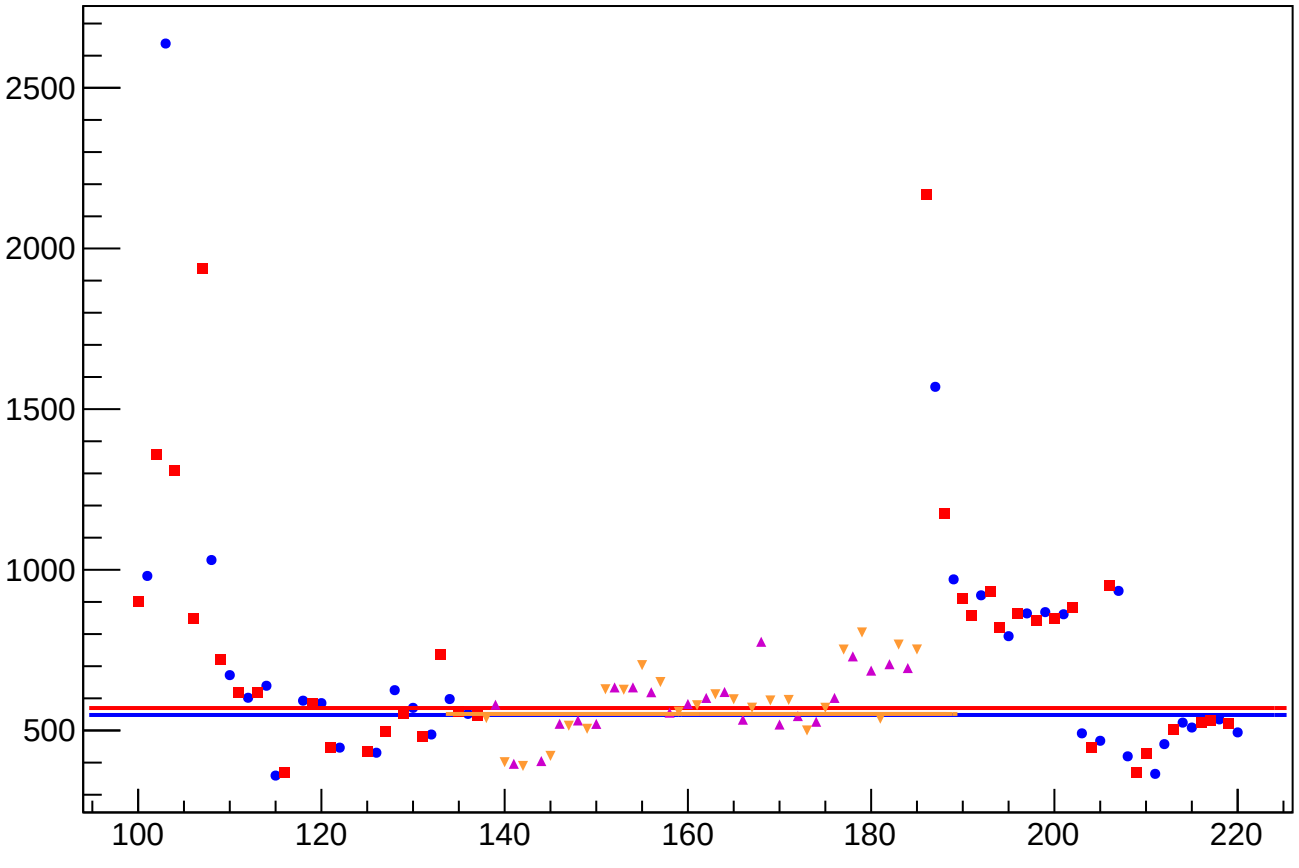
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 244.284+/-91.833 χ^2/NDF: 371.2/68

In: -381.661+/-91.269 χ^2/NDF:92.6/55

Out: 418.968+/-93.080 χ^2/NDF:343.9/59

All: 10.787+/-65.168 χ^2/NDF: 474.2/115



Right In: 548.221+/-0.090 χ^2/NDF: 3799280.8/32

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 569.854+/-0.094 χ^2/NDF: 4773448.4/35

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

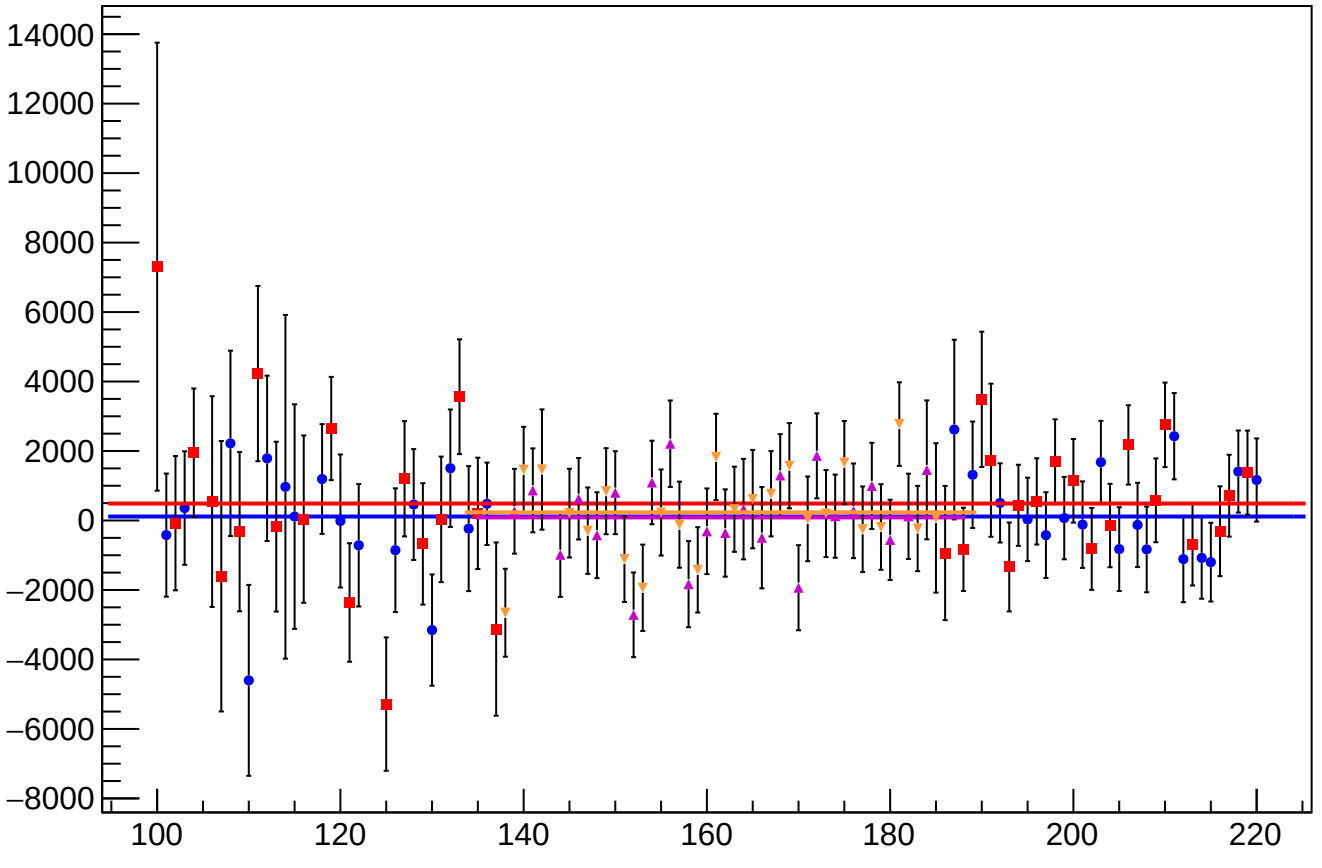
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 558.589+/-0.065 χ^2/NDF: 8600426.0/68

In: 549.734+/-0.065 χ^2/NDF:4861626.8/55

Out: 560.507+/-0.066 χ^2/NDF:6019627.6/59

All: 555.015+/-0.046 χ^2/NDF: 10894912.2/11



Right In: 114.511+/-252.112 χ^2/NDF: 23.9/32

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 488.462+/-254.178 χ^2/NDF: 41.6/35

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

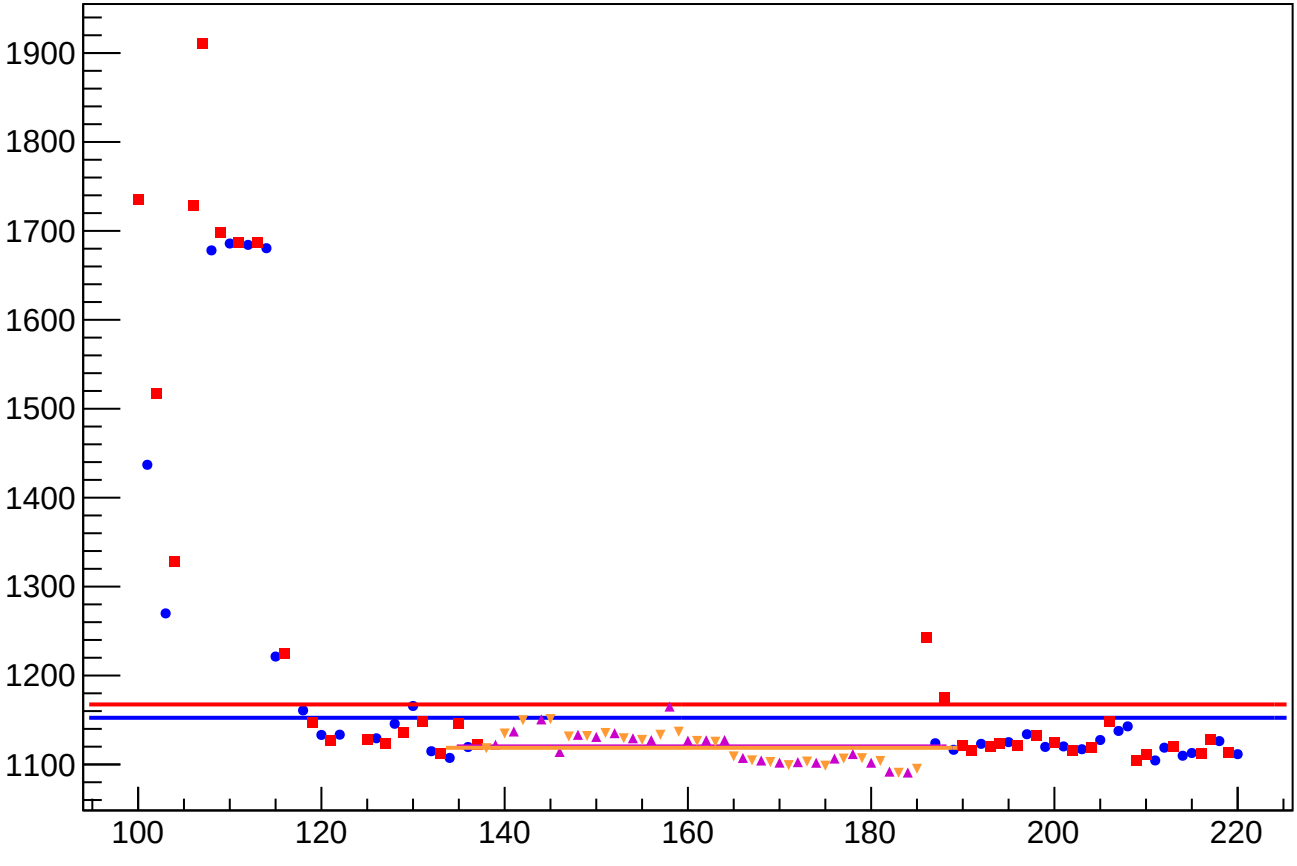
Right: 299.961+/-178.996 χ^2/NDF: 66.6/68

In: 101.923+/-181.532 χ^2/NDF:44.7/55

Out: 365.243+/-181.641 χ^2/NDF:64.9/59

All: 233.504+/-128.401 χ^2/NDF: 110.6/115

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1152.480+/-0.178 χ^2/NDF: 365988.1/32

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

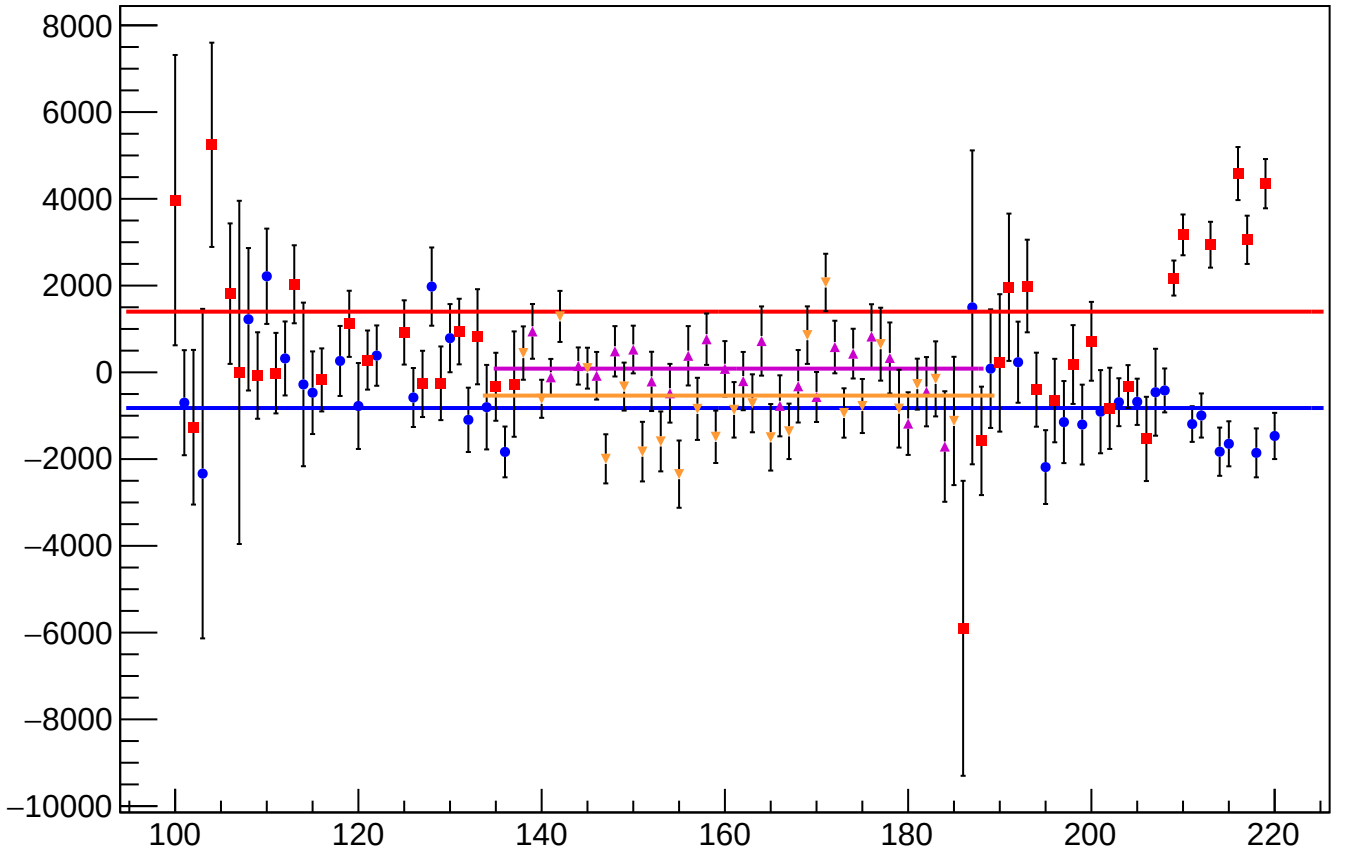
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1159.917+/-0.127 χ^2/NDF: 946418.0/68

In: 1136.988+/-0.128 χ^2/NDF:391149.9/55

Out: 1143.626+/-0.128 χ^2/NDF:621114.8/59

All: 1140.305+/-0.091 χ^2/NDF: 1013600.9/11



Right In: -822.532+/-127.261 χ^2/NDF: 50.7/32

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 1398.699+/-132.720 χ^2/NDF: 173.5/35

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

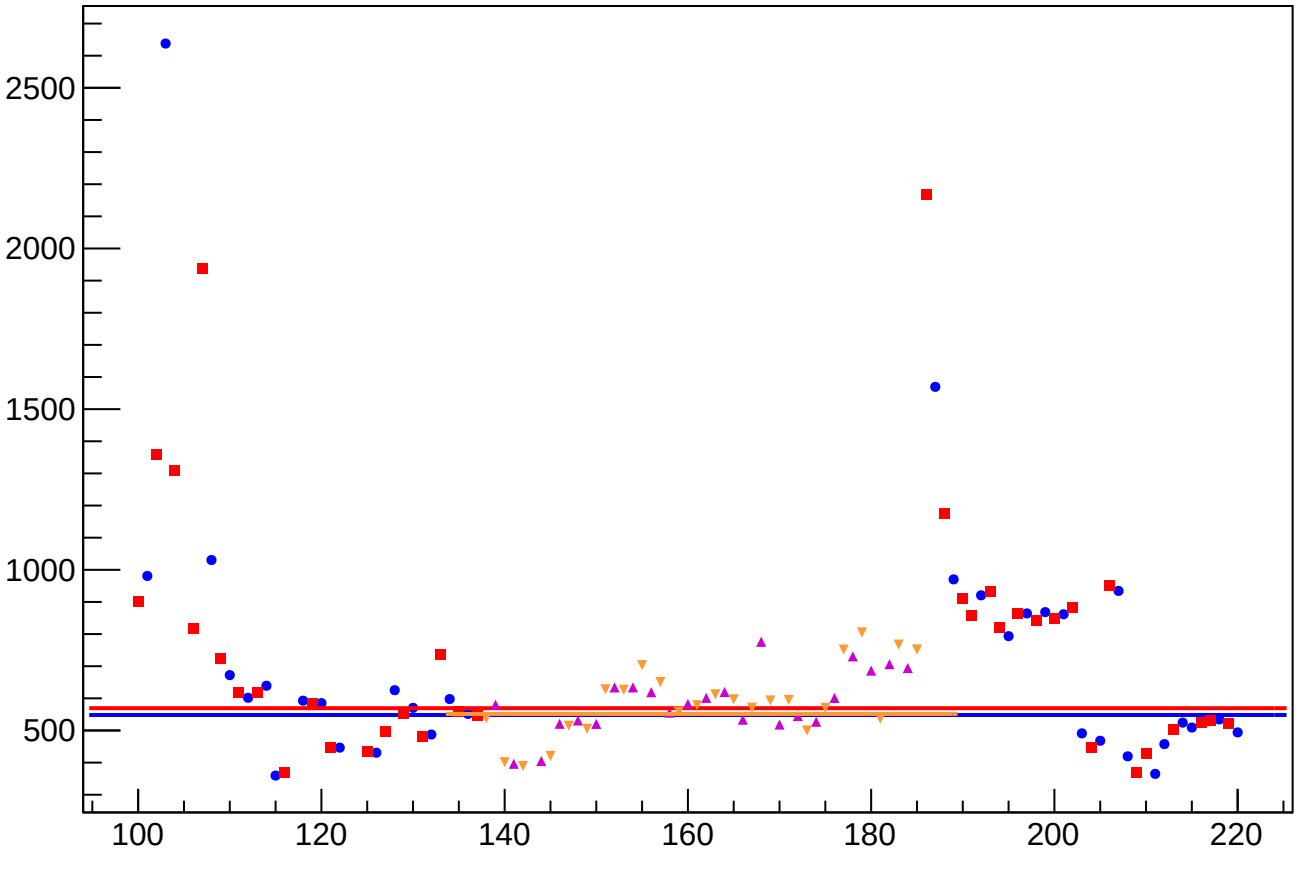
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 241.468+/-91.856 χ^2/NDF: 370.2/68

In: -381.664+/-91.269 χ^2/NDF:92.6/55

Out: 416.153+/-93.105 χ^2/NDF:343.0/59

All: 9.299+/-65.176 χ^2/NDF: 473.0/115



Right In: 548.219+/-0.090 χ^2/NDF: 3799256.0/32

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

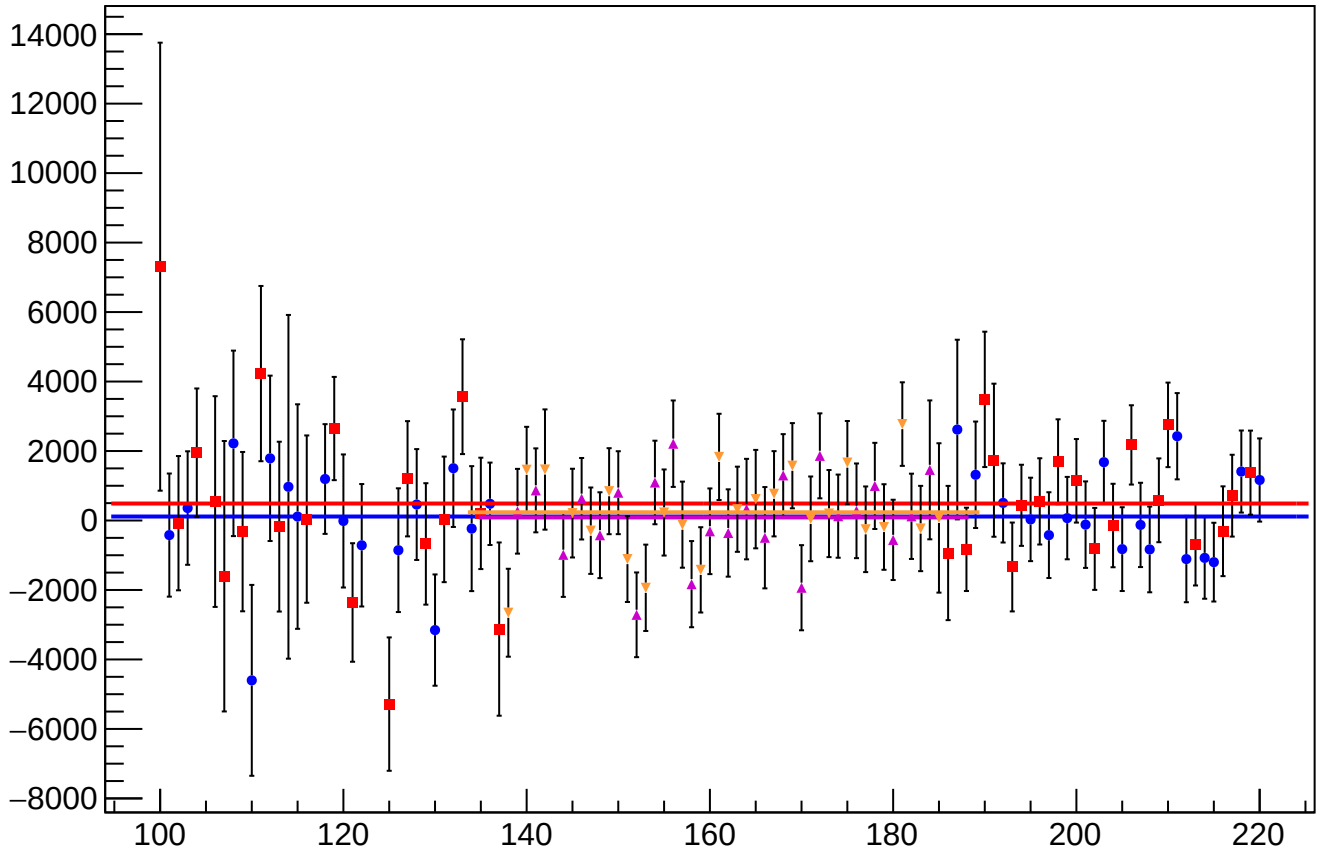
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 558.334+/-0.065 χ^2/NDF: 8577434.4/68

In: 549.733+/-0.065 χ^2/NDF:4861570.2/55

Out: 560.247+/-0.066 χ^2/NDF:5996902.6/59

All: 554.885+/-0.046 χ^2/NDF: 10871479.1/11



Right In: 114.511+/-252.112 χ^2/NDF: 23.9/32

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 488.462+/-254.178 χ^2/NDF: 41.6/35

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

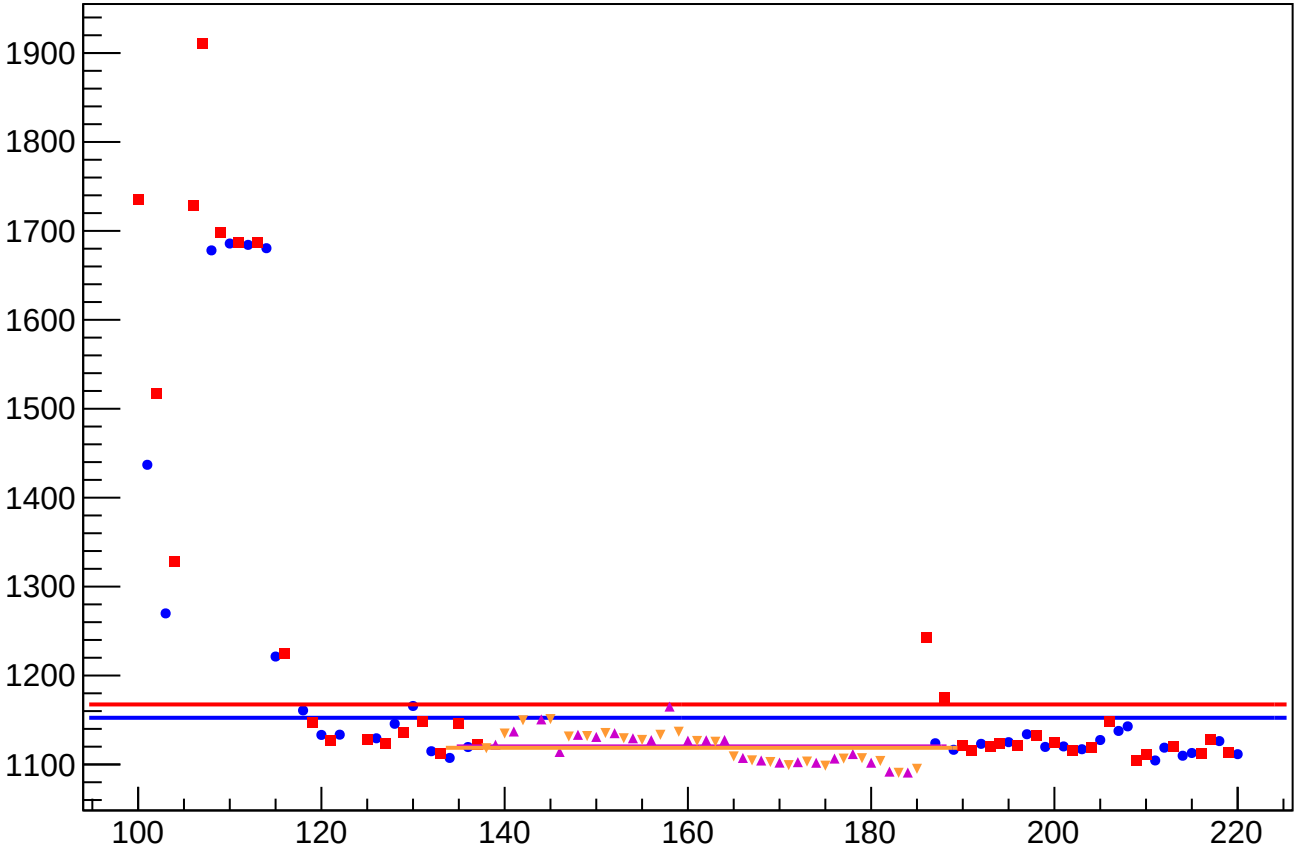
Right: 299.961+/-178.996 χ^2/NDF: 66.6/68

In: 101.923+/-181.532 χ^2/NDF:44.7/55

Out: 365.243+/-181.641 χ^2/NDF:64.9/59

All: 233.504+/-128.401 χ^2/NDF: 110.6/115

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1152.480+/-0.178 χ^2/NDF: 365988.1/32

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

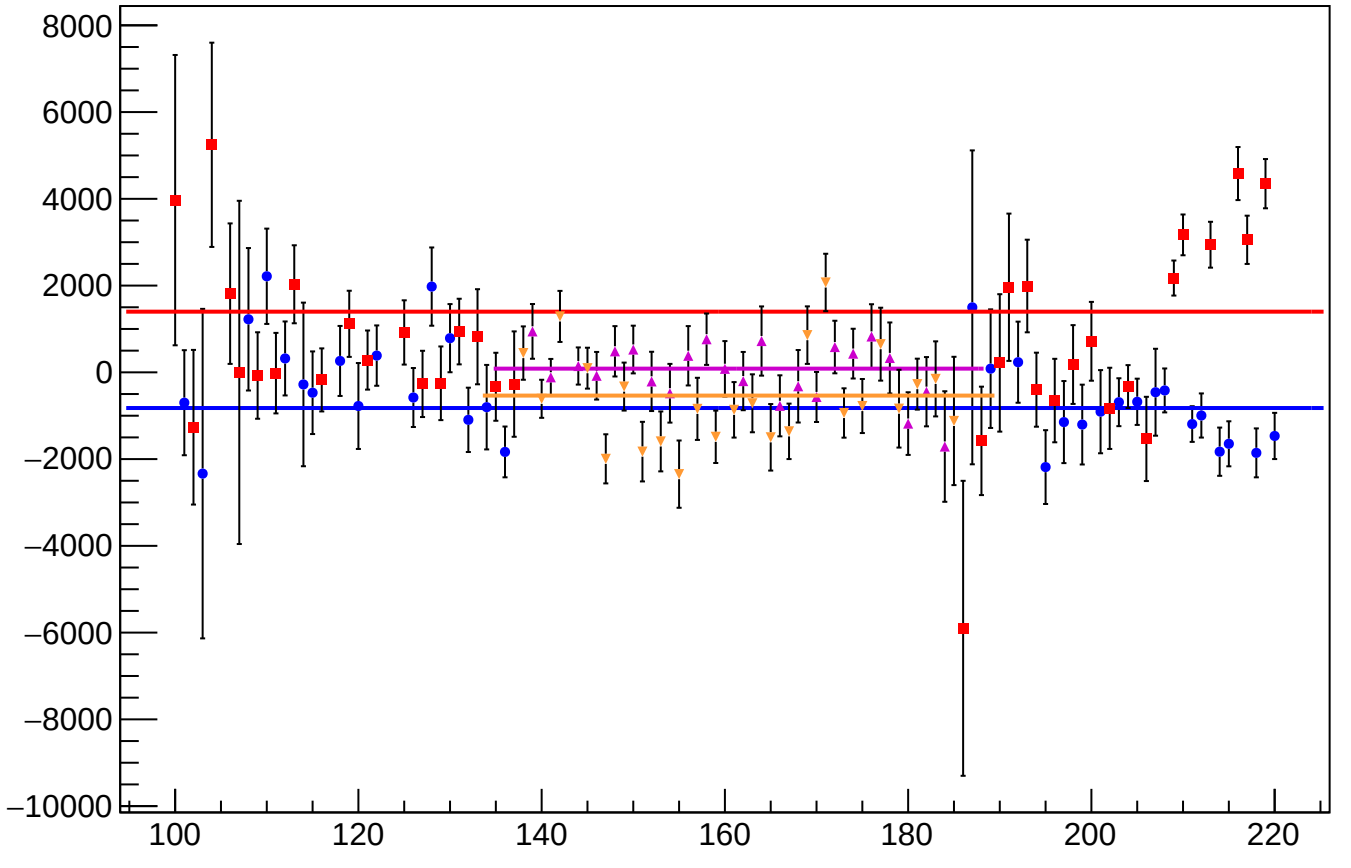
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1159.917+/-0.127 χ^2/NDF: 946418.0/68

In: 1136.988+/-0.128 χ^2/NDF:391149.9/55

Out: 1143.626+/-0.128 χ^2/NDF:621114.8/59

All: 1140.305+/-0.091 χ^2/NDF: 1013600.9/11



Right In: -822.532+/-127.261 χ^2/NDF: 50.7/32

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 1398.699+/-132.720 χ^2/NDF: 173.5/35

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

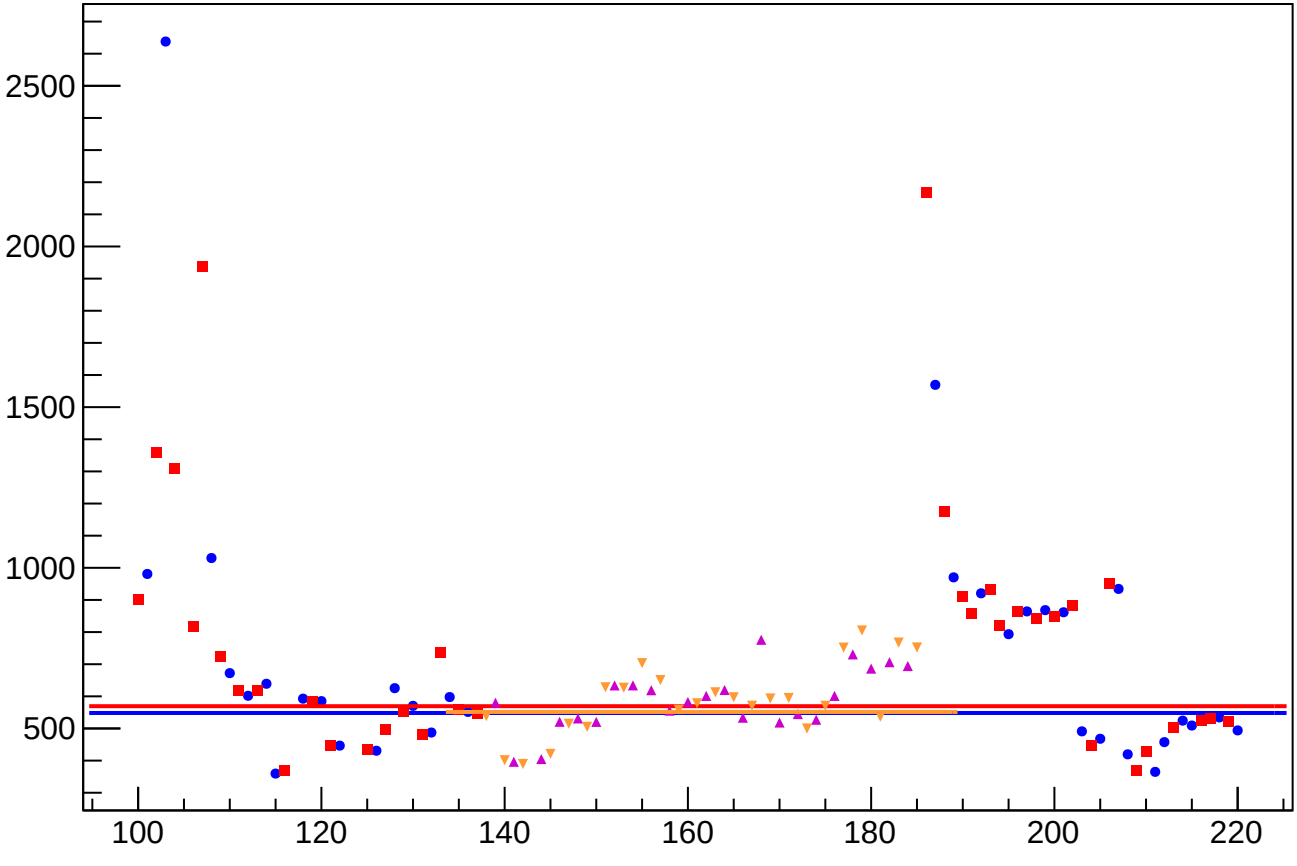
Right: 241.468+/-91.856 χ^2/NDF: 370.2/68

In: -381.664+/-91.269 χ^2/NDF:92.6/55

Out: 416.153+/-93.105 χ^2/NDF:343.0/59

All: 9.299+/-65.176 χ^2/NDF: 473.0/115

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 548.219+/-0.090 χ^2/NDF: 3799256.0/32

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

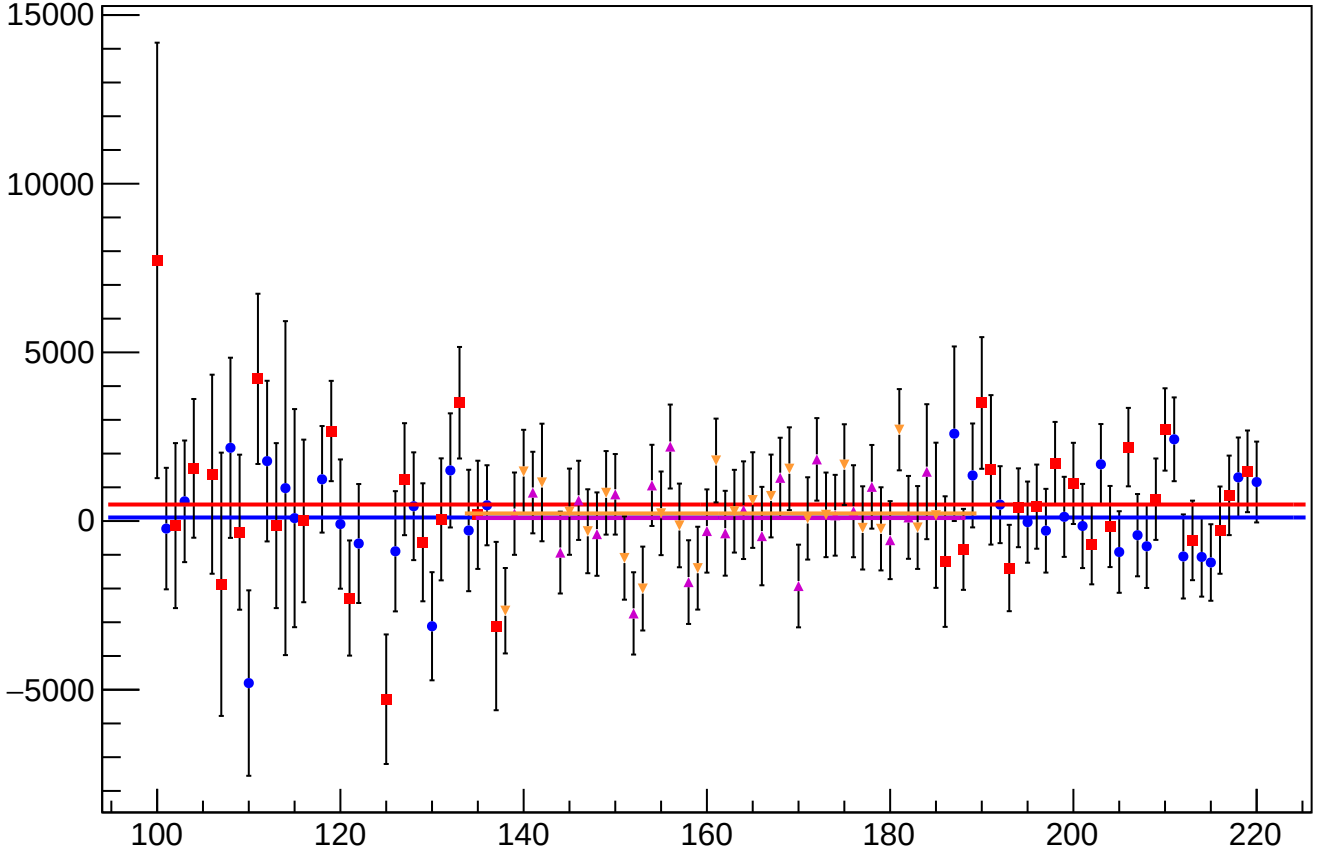
Right: 558.334+/-0.065 χ^2/NDF: 8577434.4/68

In: 549.733+/-0.065 χ^2/NDF:4861570.2/55

Out: 560.247+/-0.066 χ^2/NDF:5996902.6/59

All: 554.885+/-0.046 χ^2/NDF: 10871479.1/11

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 105.705+/-253.102 χ^2/NDF: 23.8/32

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 490.145+/-256.038 χ^2/NDF: 41.1/35

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

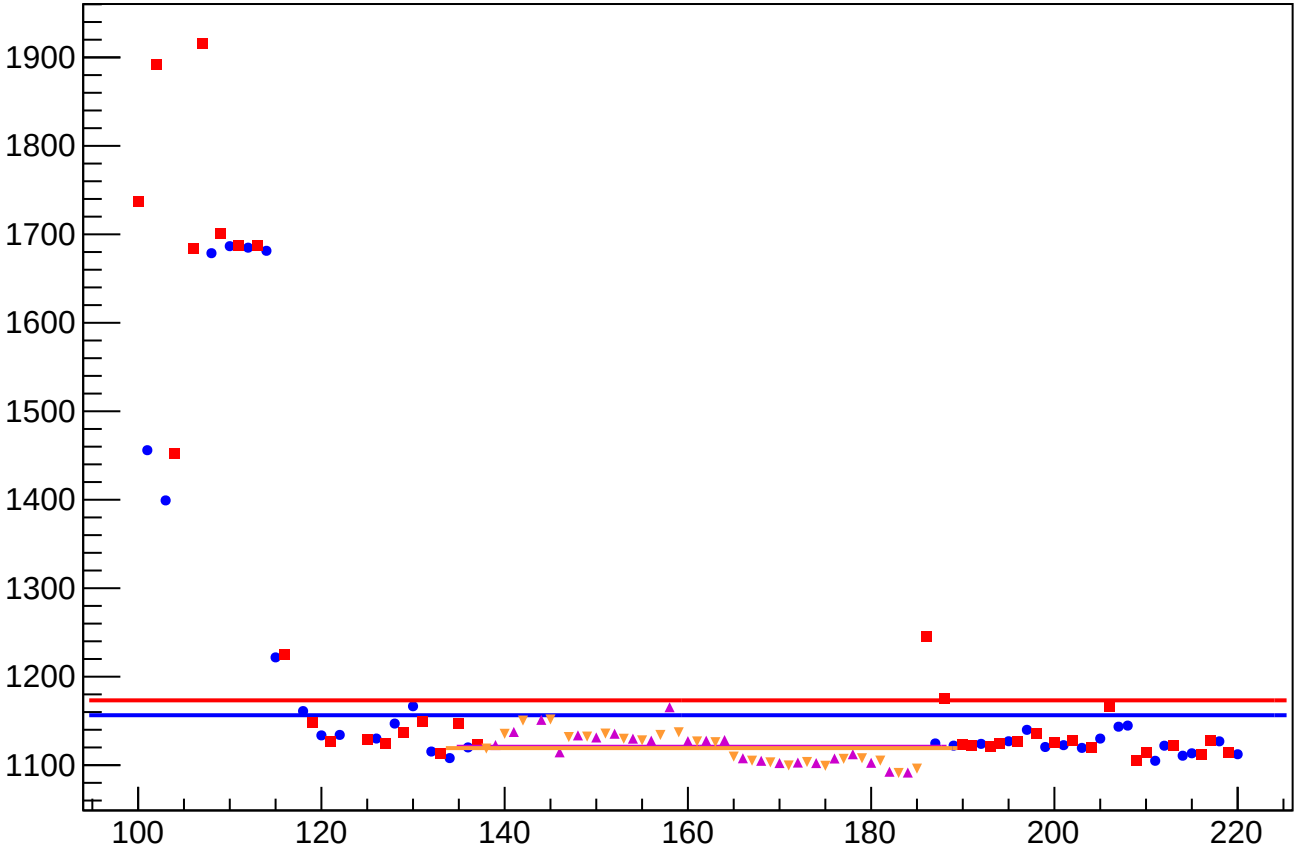
Right: 295.708+/-179.999 χ^2/NDF: 66.0/68

In: 97.670+/-181.940 χ^2/NDF:44.4/55

Out: 359.847+/-182.372 χ^2/NDF:63.8/59

All: 228.448+/-128.803 χ^2/NDF: 109.2/115

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1156.429+/-0.179 χ^2/NDF: 395933.6/32

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1173.249+/-0.181 χ^2/NDF: 699233.9/35

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

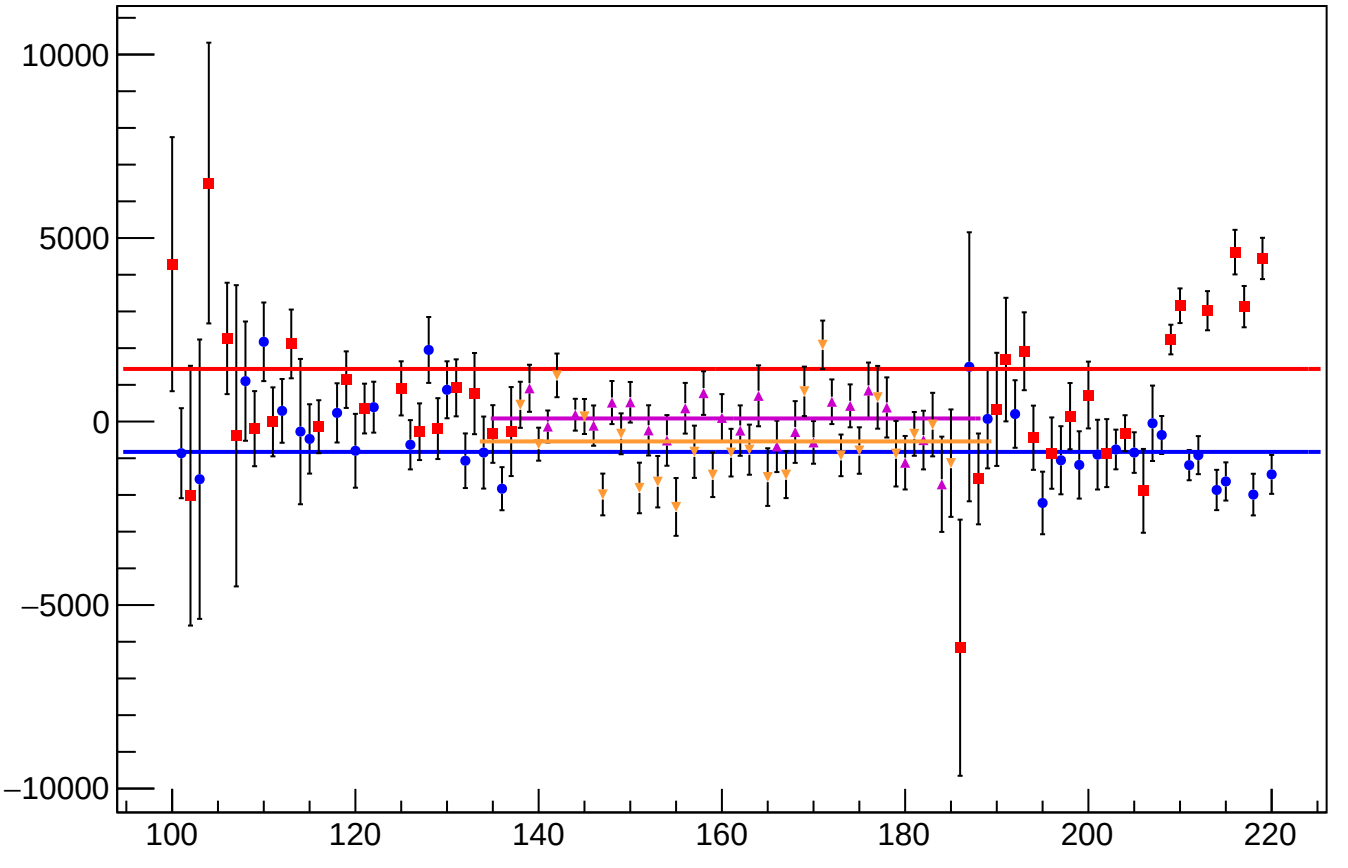
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1164.742+/-0.127 χ^2/NDF: 1099532.8/68

In: 1139.211+/-0.129 χ^2/NDF:424512.5/55

Out: 1146.650+/-0.129 χ^2/NDF:751189.5/59

All: 1142.921+/-0.091 χ^2/NDF: 1177370.0/11



Right In: -827.365+/-127.576 χ^2/NDF: 52.1/32

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 1433.142+/-133.722 χ^2/NDF: 176.6/35

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

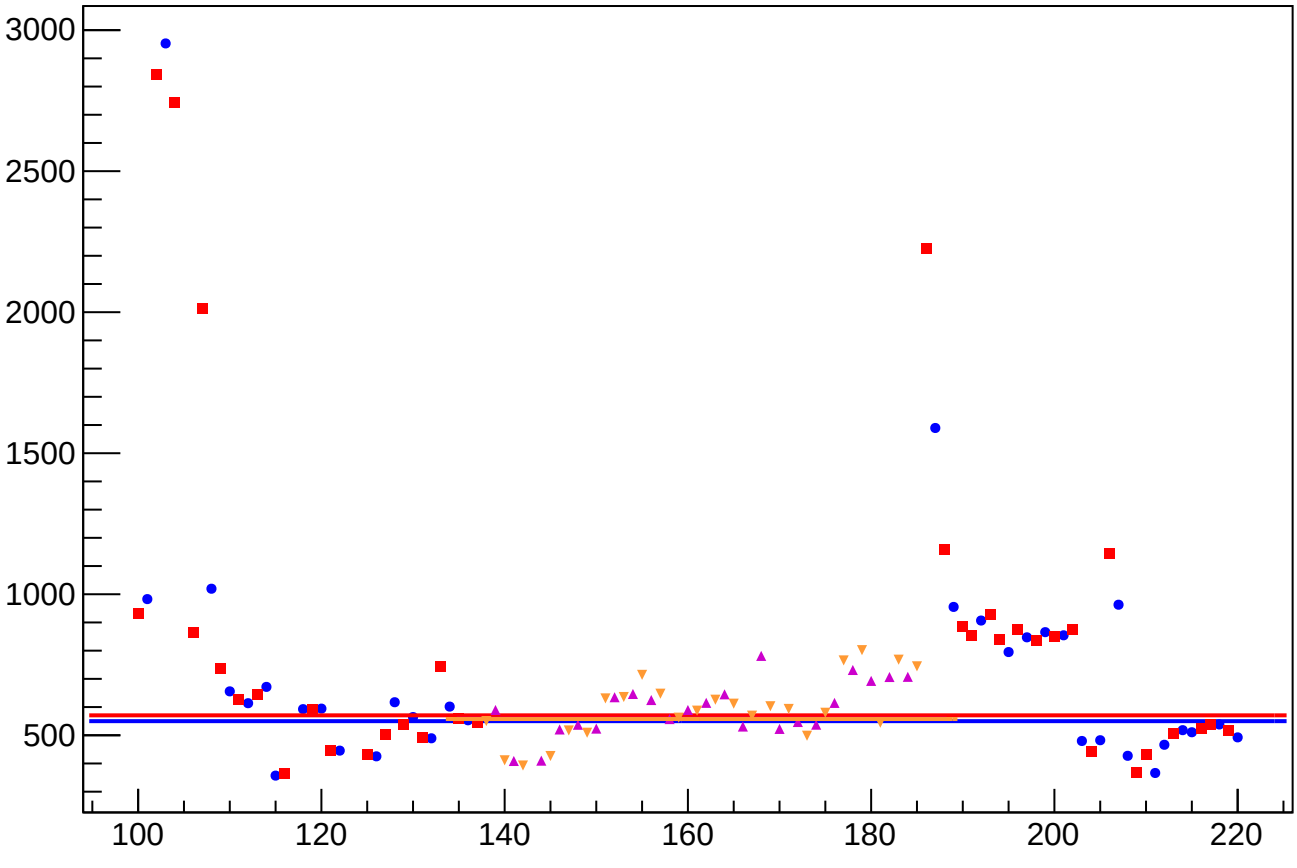
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 249.747+/-92.306 χ^2/NDF: 378.3/68

In: -389.039+/-91.917 χ^2/NDF:93.0/55

Out: 433.065+/-93.945 χ^2/NDF:347.9/59

All: 13.045+/-65.701 χ^2/NDF: 480.1/115



Right In: 550.042+/-0.090 χ^2/NDF: 3934737.8/32

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 570.668+/-0.095 χ^2/NDF: 5888315.2/35

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

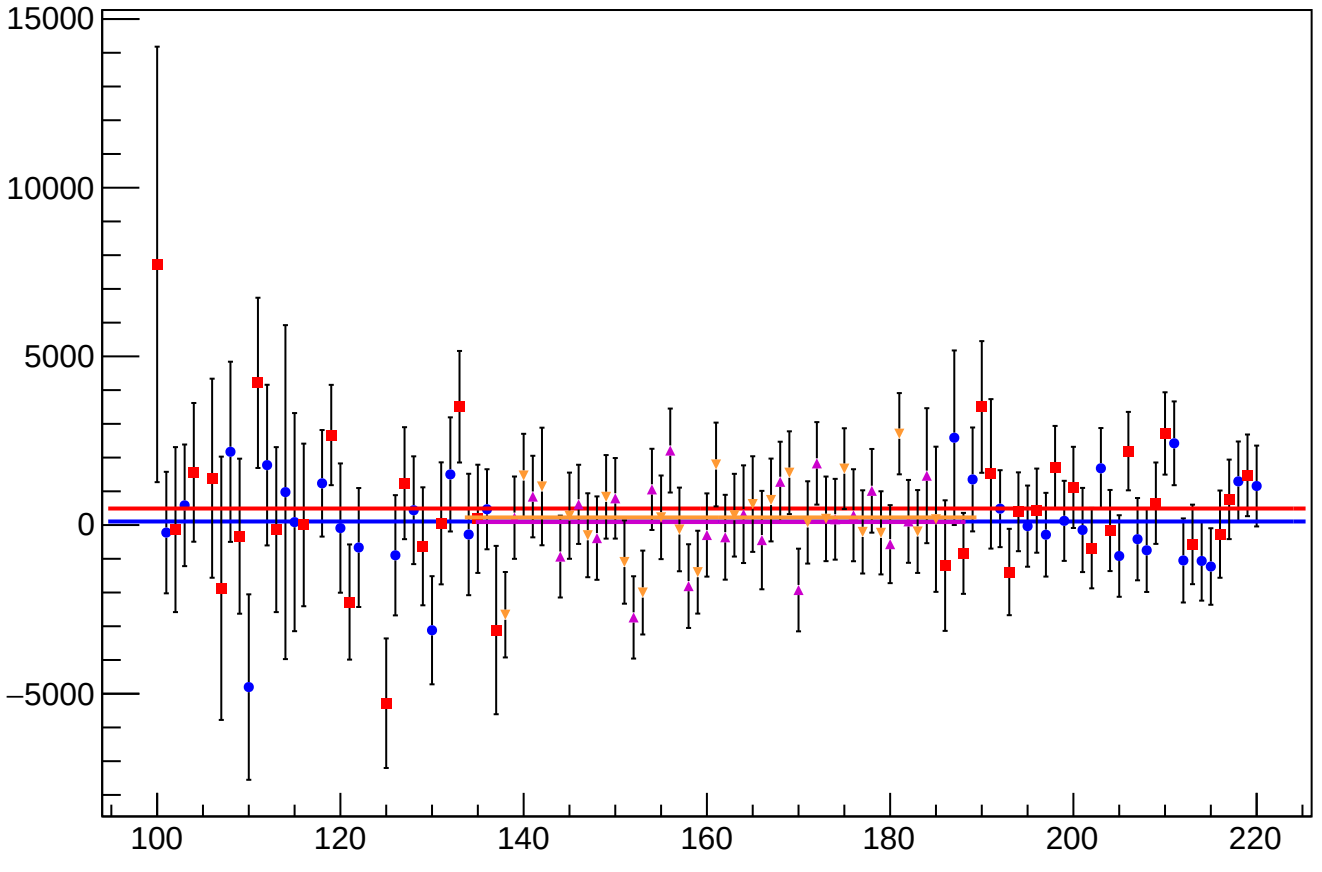
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 559.870+/-0.065 χ^2/NDF: 9847963.6/68

In: 554.058+/-0.065 χ^2/NDF:4966673.5/55

Out: 564.046+/-0.066 χ^2/NDF:7091270.6/59

All: 558.943+/-0.046 χ^2/NDF: 12069493.8/11



Right In: 105.707+/-253.102 χ^2/NDF: 23.8/32

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 490.144+/-256.038 χ^2/NDF: 41.1/35

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

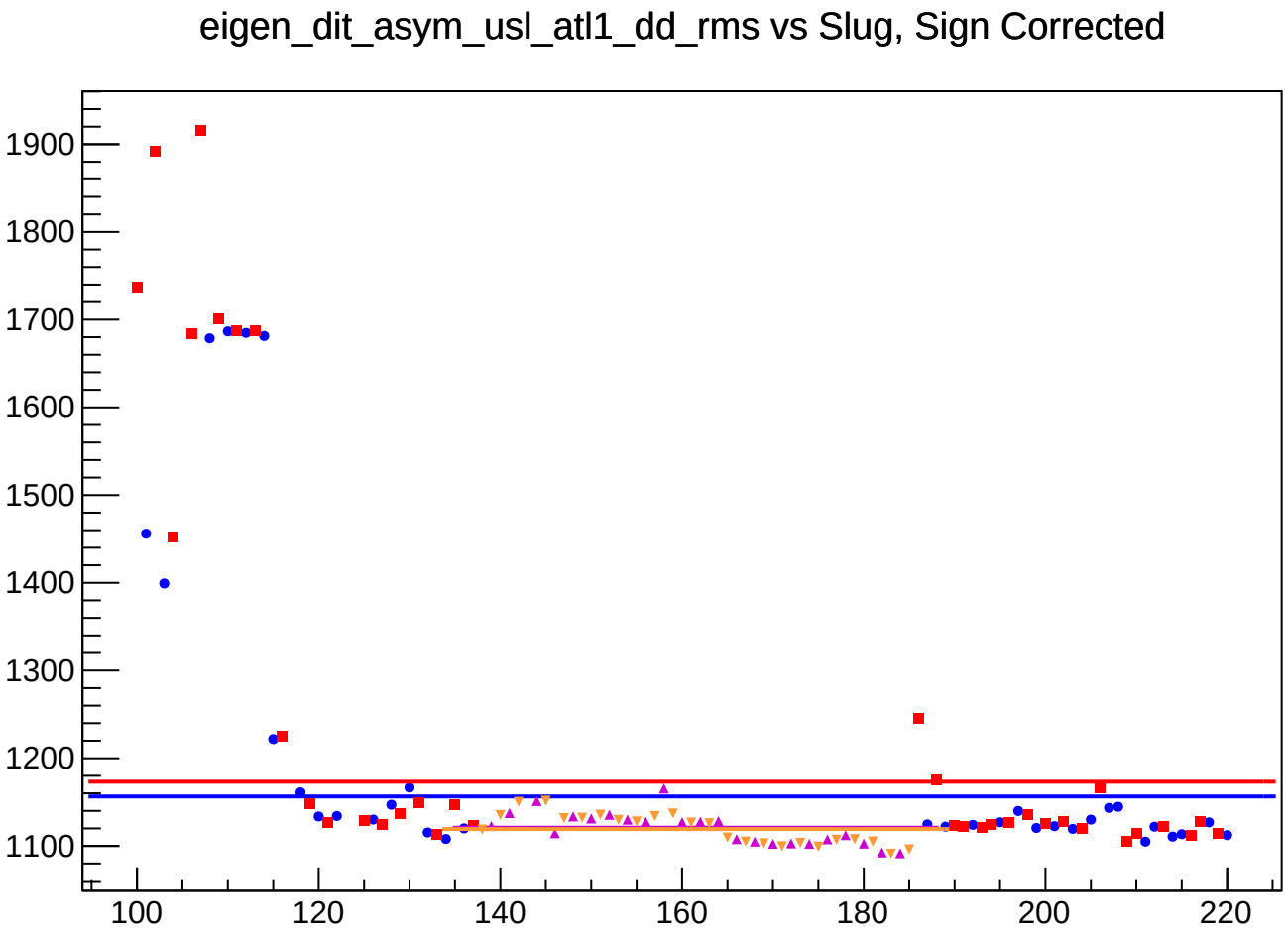
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 295.709+/-179.999 χ^2/NDF: 66.0/68

In: 97.671+/-181.940 χ^2/NDF:44.4/55

Out: 359.846+/-182.372 χ^2/NDF:63.8/59

All: 228.447+/-128.803 χ^2/NDF: 109.2/115



Right In: 1156.429+/-0.179 χ^2/NDF: 395933.1/32

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1173.249+/-0.181 χ^2/NDF: 699233.2/35

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

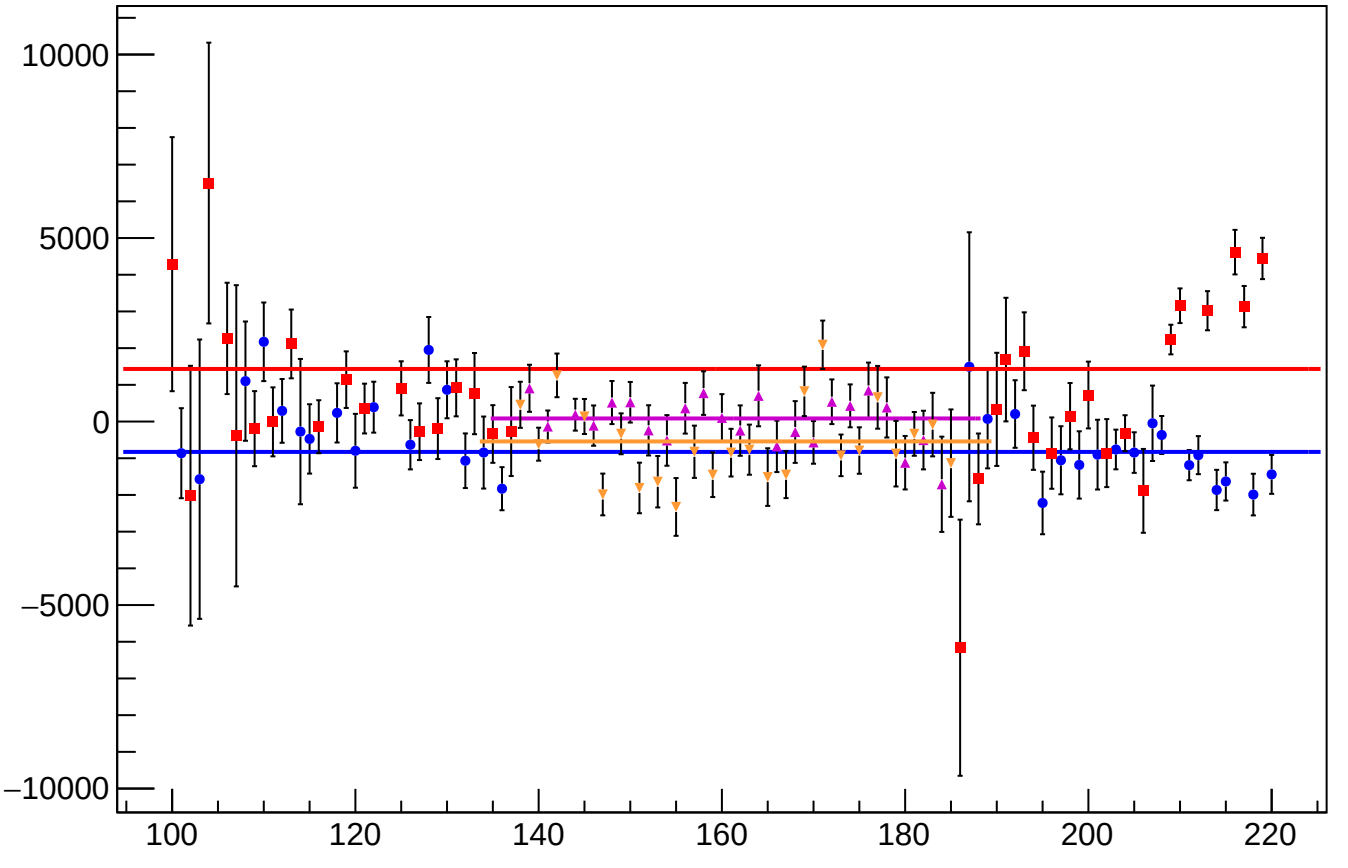
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1164.742+/-0.127 χ^2/NDF: 1099531.6/68

In: 1139.210+/-0.129 χ^2/NDF:424511.9/55

Out: 1146.650+/-0.129 χ^2/NDF:751188.8/59

All: 1142.921+/-0.091 χ^2/NDF: 1177368.7/11



Right In: -827.365+/-127.576 χ^2/NDF: 52.1/32

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 1433.143+/-133.722 χ^2/NDF: 176.6/35

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

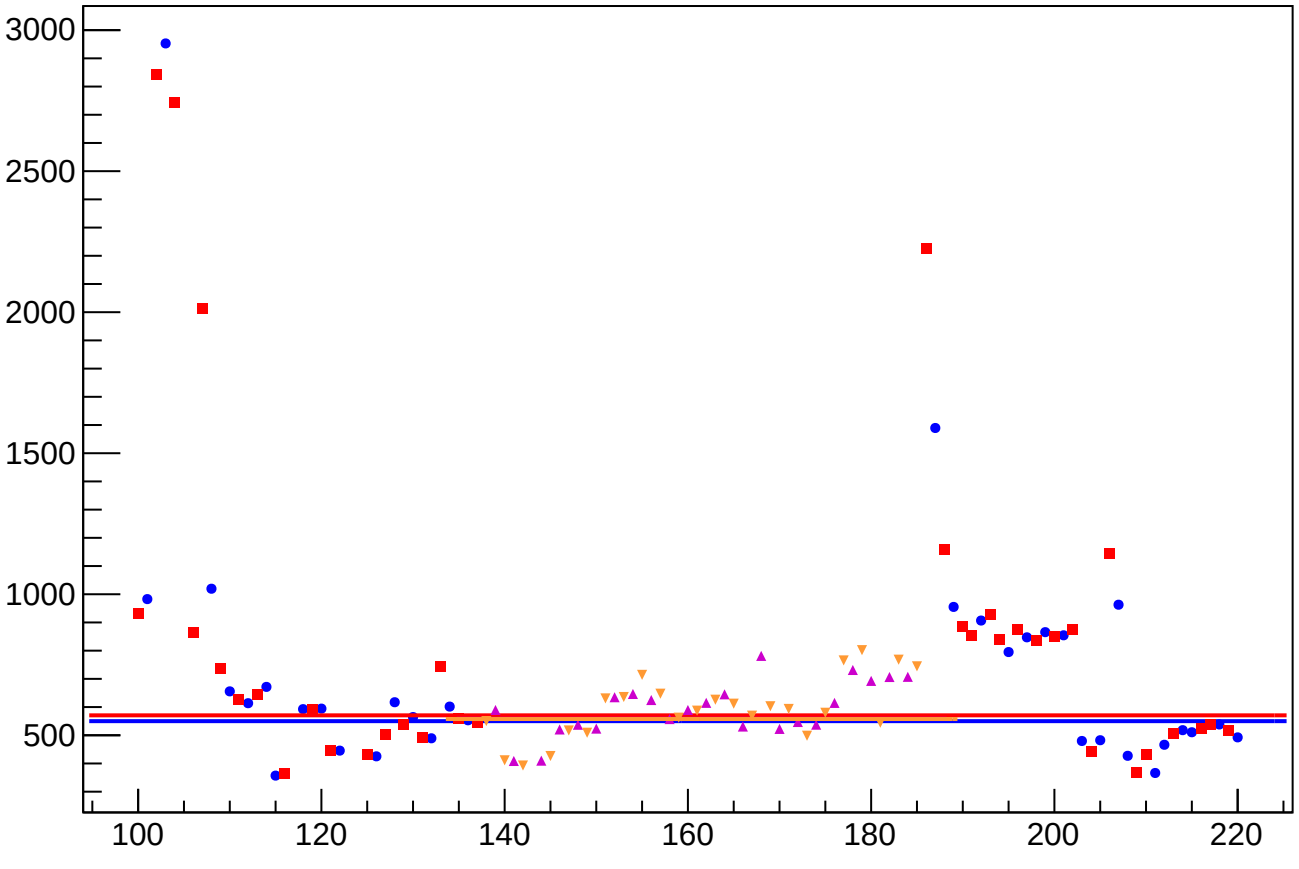
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 249.747+/-92.306 χ^2/NDF: 378.3/68

In: -389.038+/-91.917 χ^2/NDF:93.0/55

Out: 433.066+/-93.945 χ^2/NDF:347.9/59

All: 13.045+/-65.701 χ^2/NDF: 480.1/115



Right In: 550.041+/-0.090 χ^2/NDF: 3934741.0/32

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 570.667+/-0.095 χ^2/NDF: 5888323.7/35

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

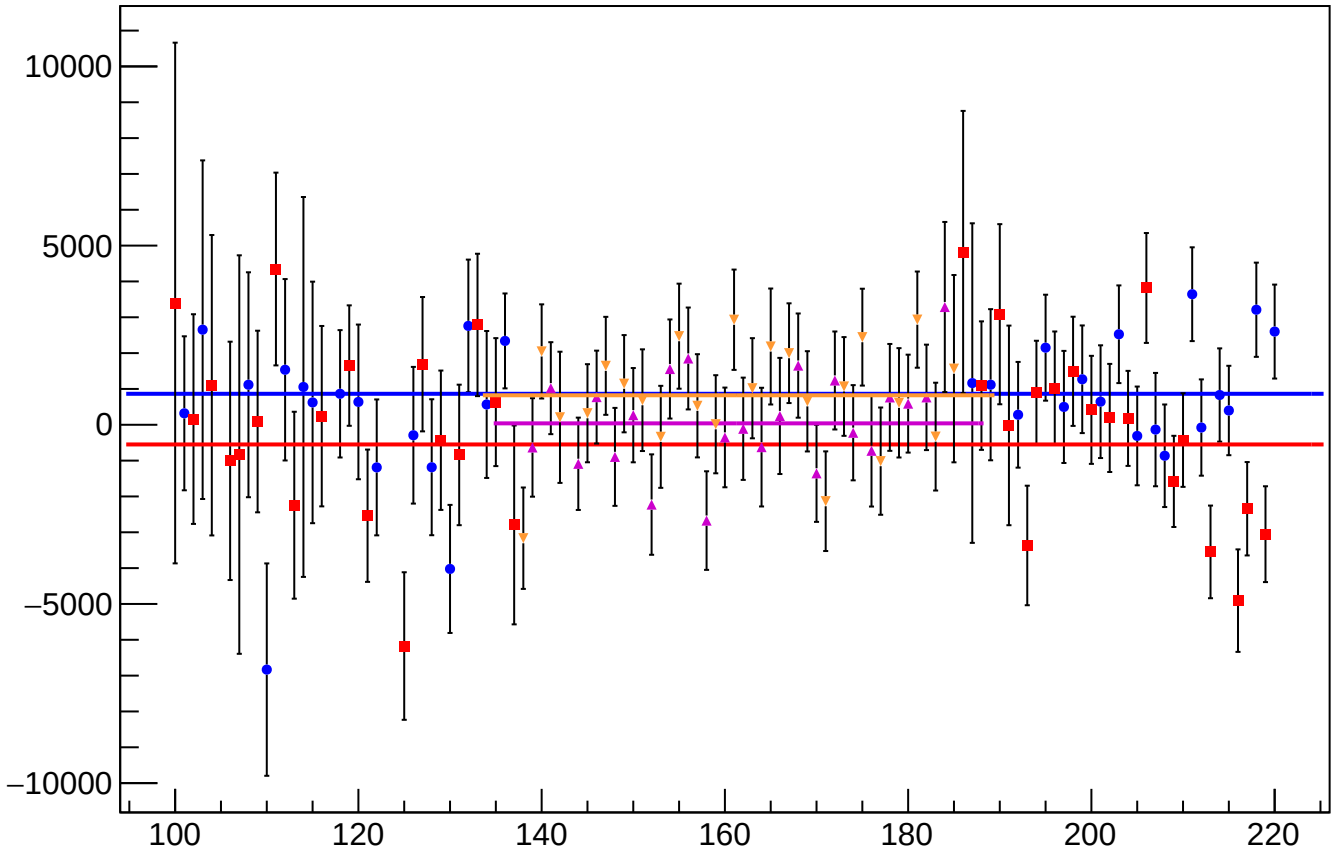
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 559.869+/-0.065 χ^2/NDF: 9847975.4/68

In: 554.057+/-0.065 χ^2/NDF:4966691.2/55

Out: 564.045+/-0.066 χ^2/NDF:7091300.5/59

All: 558.942+/-0.046 χ^2/NDF: 12069541.3/11



Right In: 864.657+/-295.335 χ^2/NDF: 34.8/32

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -549.039+/-302.228 χ^2/NDF: 61.4/35

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

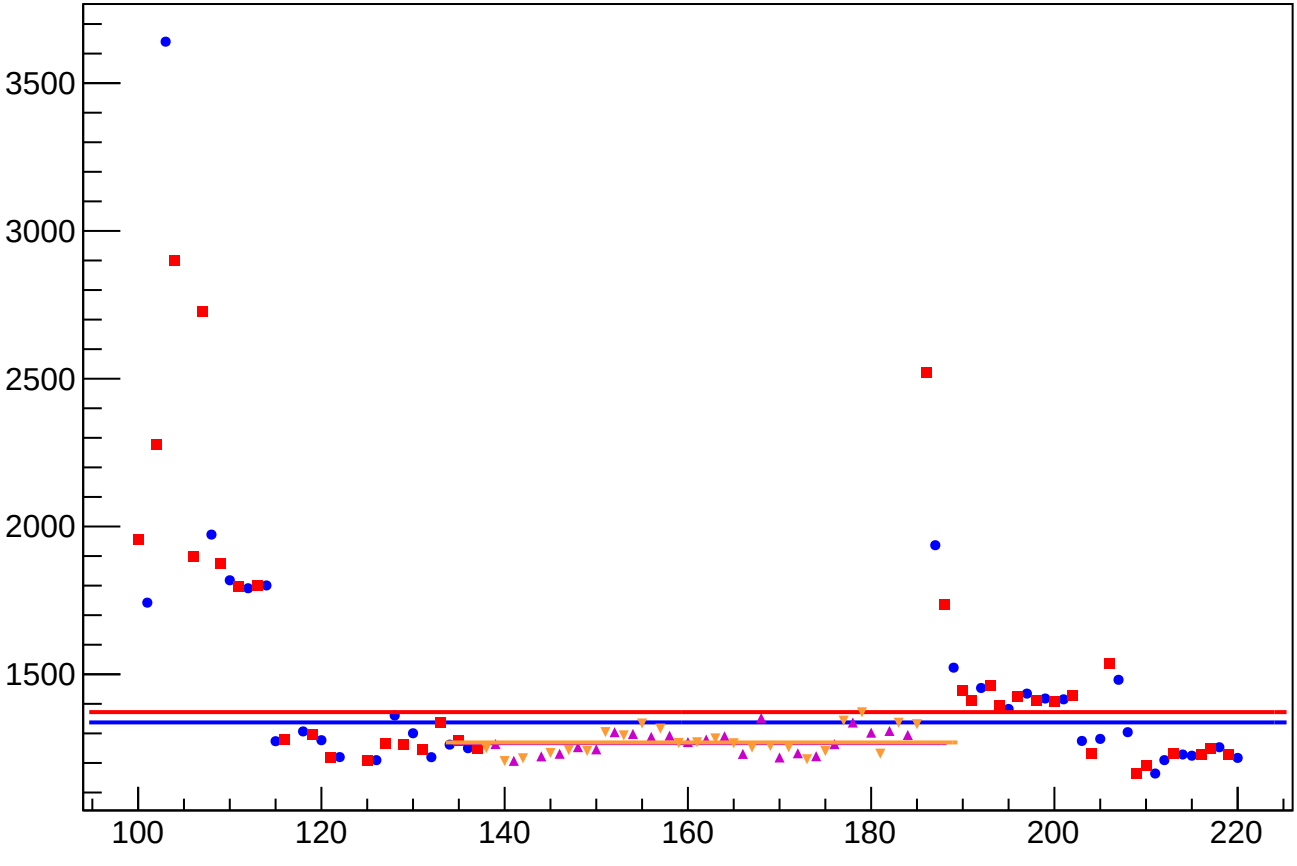
Right: 174.115+/-211.228 χ^2/NDF: 107.4/68

In: 453.112+/-209.070 χ^2/NDF:56.5/55

Out: 154.131+/-211.045 χ^2/NDF:98.2/59

All: 305.027+/-148.528 χ^2/NDF: 155.7/115

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1337.171+/-0.209 χ^2/NDF: 1018455.0/32

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1372.022+/-0.214 χ^2/NDF: 1374547.8/35

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

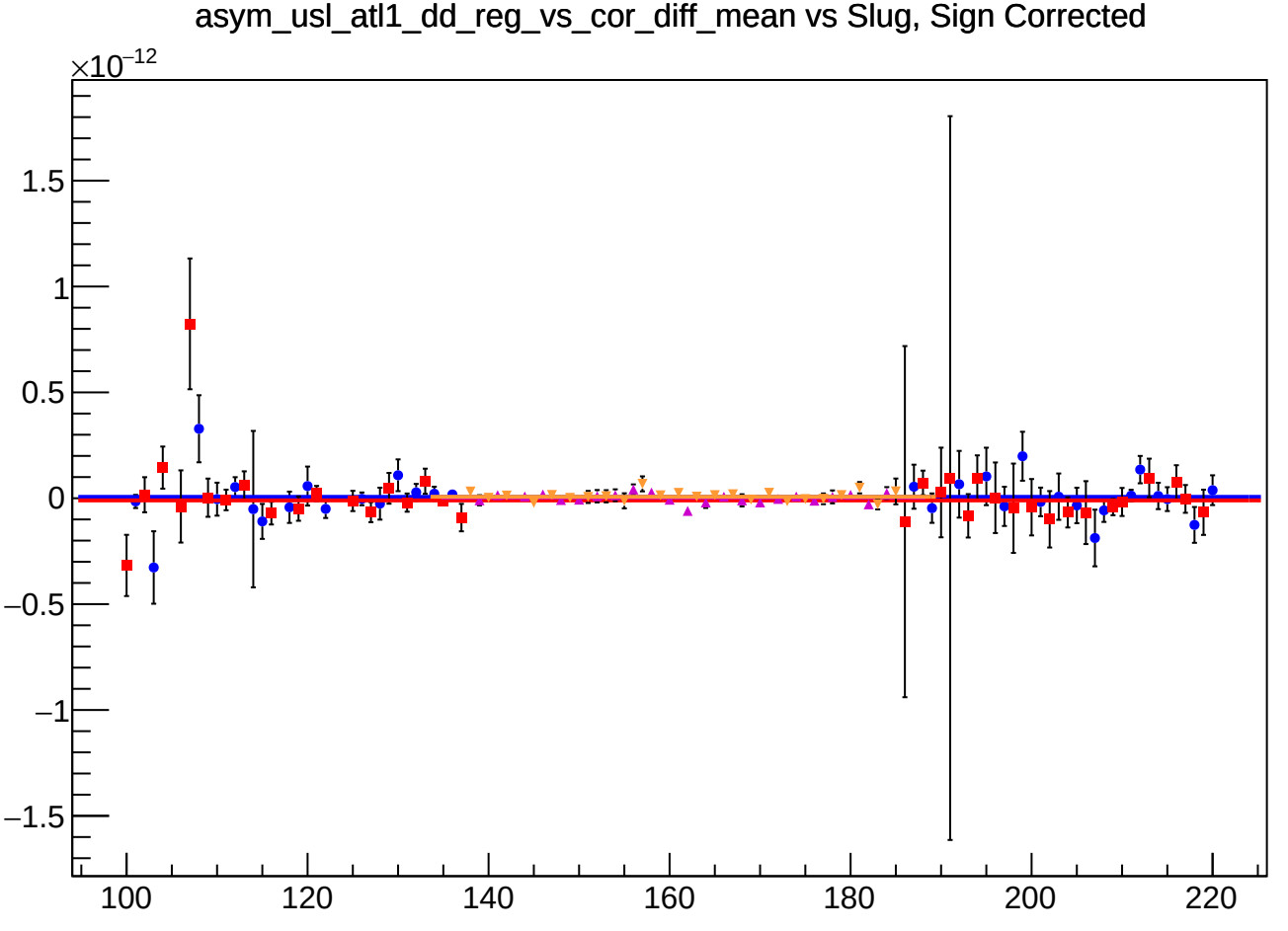
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1354.194+/-0.149 χ^2/NDF: 2406606.3/68

In: 1302.198+/-0.148 χ^2/NDF:1109221.4/55

Out: 1319.461+/-0.149 χ^2/NDF:1535643.8/59

All: 1310.748+/-0.105 χ^2/NDF: 2651619.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 31.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/35

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

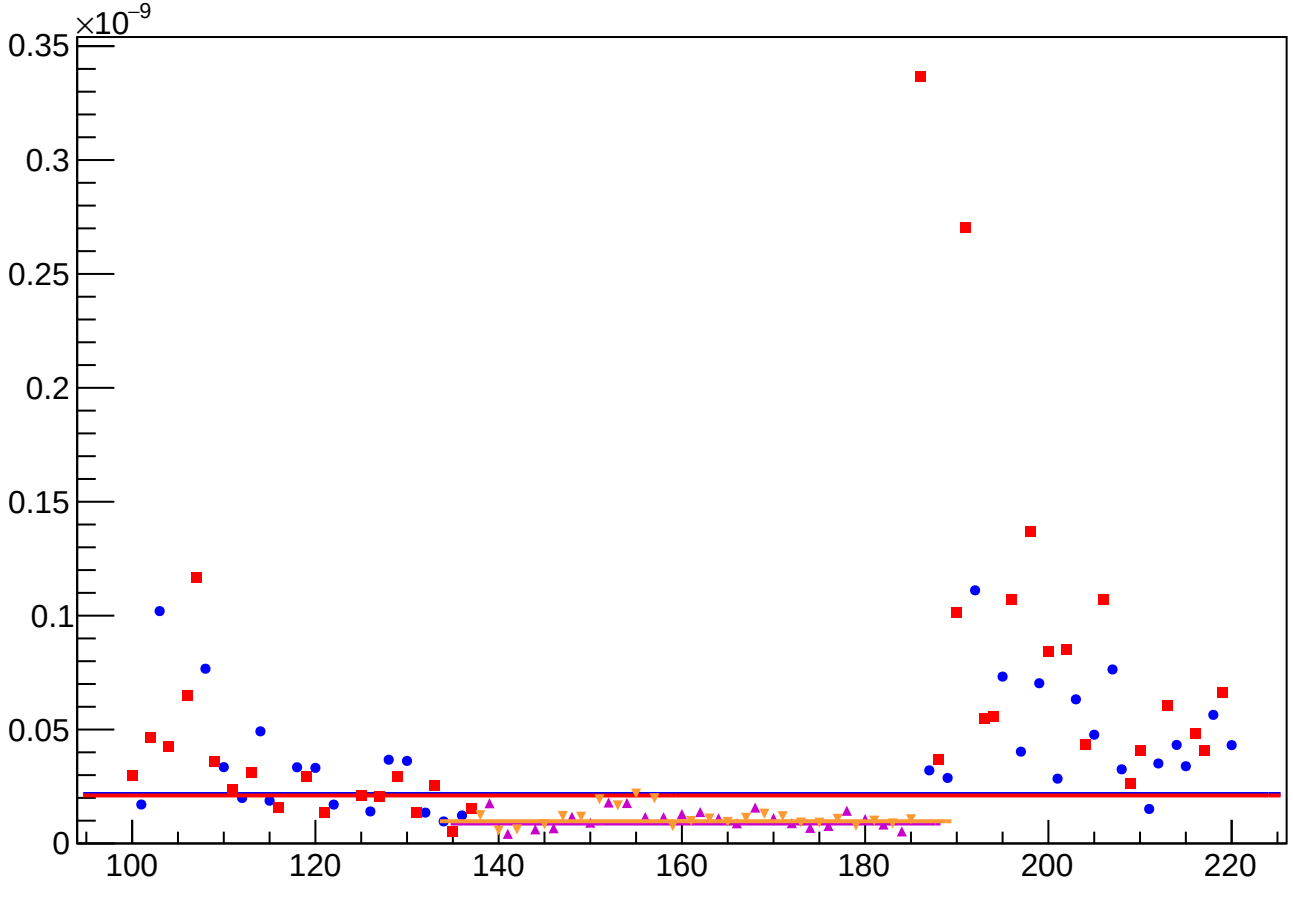
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 65.9/68

In: 0.000+/-0.000 χ^2/NDF:55.0/55

Out: 0.000+/-0.000 χ^2/NDF:54.9/59

All: 0.000+/-0.000 χ^2/NDF: 109.9/115



Right In: 0.000+/-0.000 χ^2/NDF: 5389026.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8531492.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

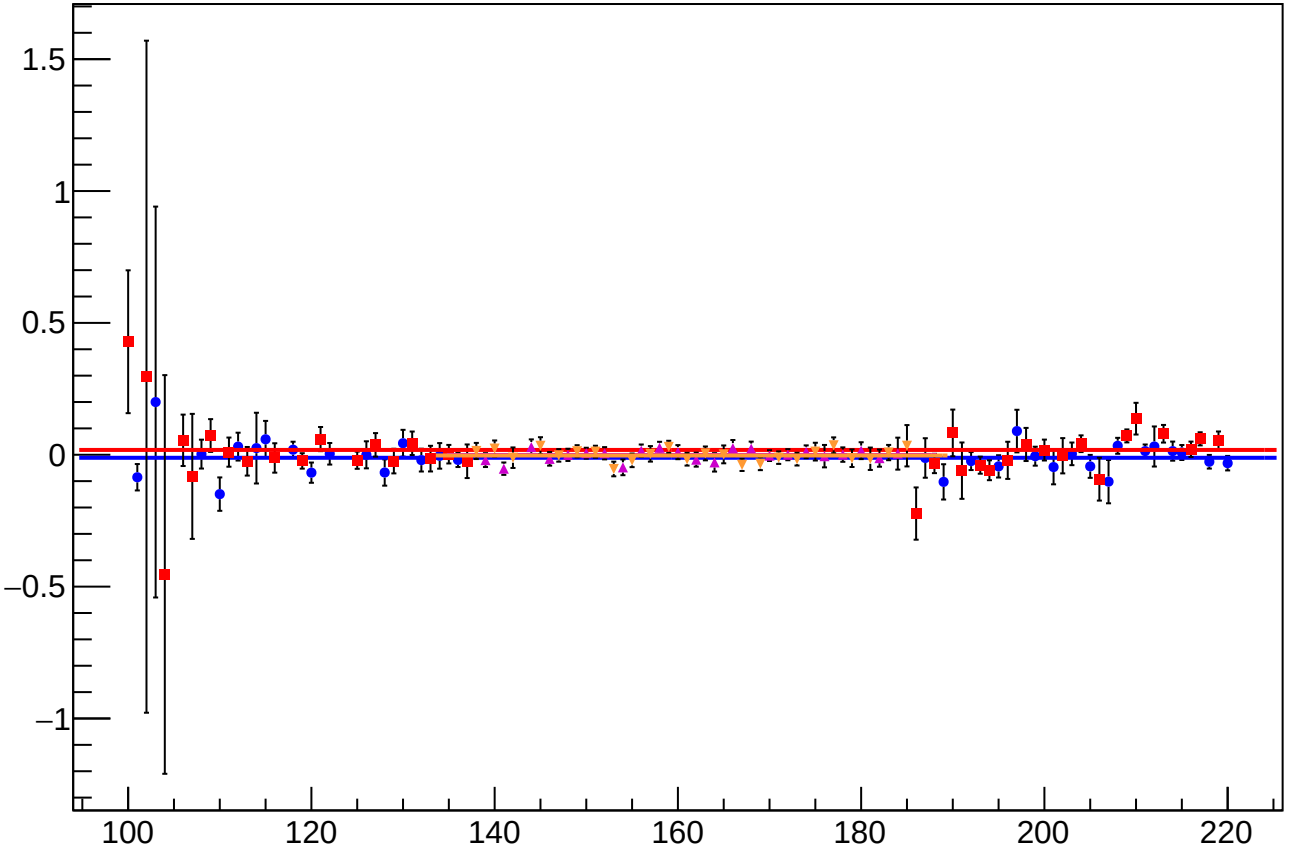
Right: 0.000+/-0.000 χ^2/NDF: 13925488.7/68

In: 0.000+/-0.000 χ^2/NDF:10865855.9/55

Out: 0.000+/-0.000 χ^2/NDF:12359247.0/59

All: 0.000+/-0.000 χ^2/NDF: 23280361.6/115

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.007 χ^2/NDF: 26.6/32

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

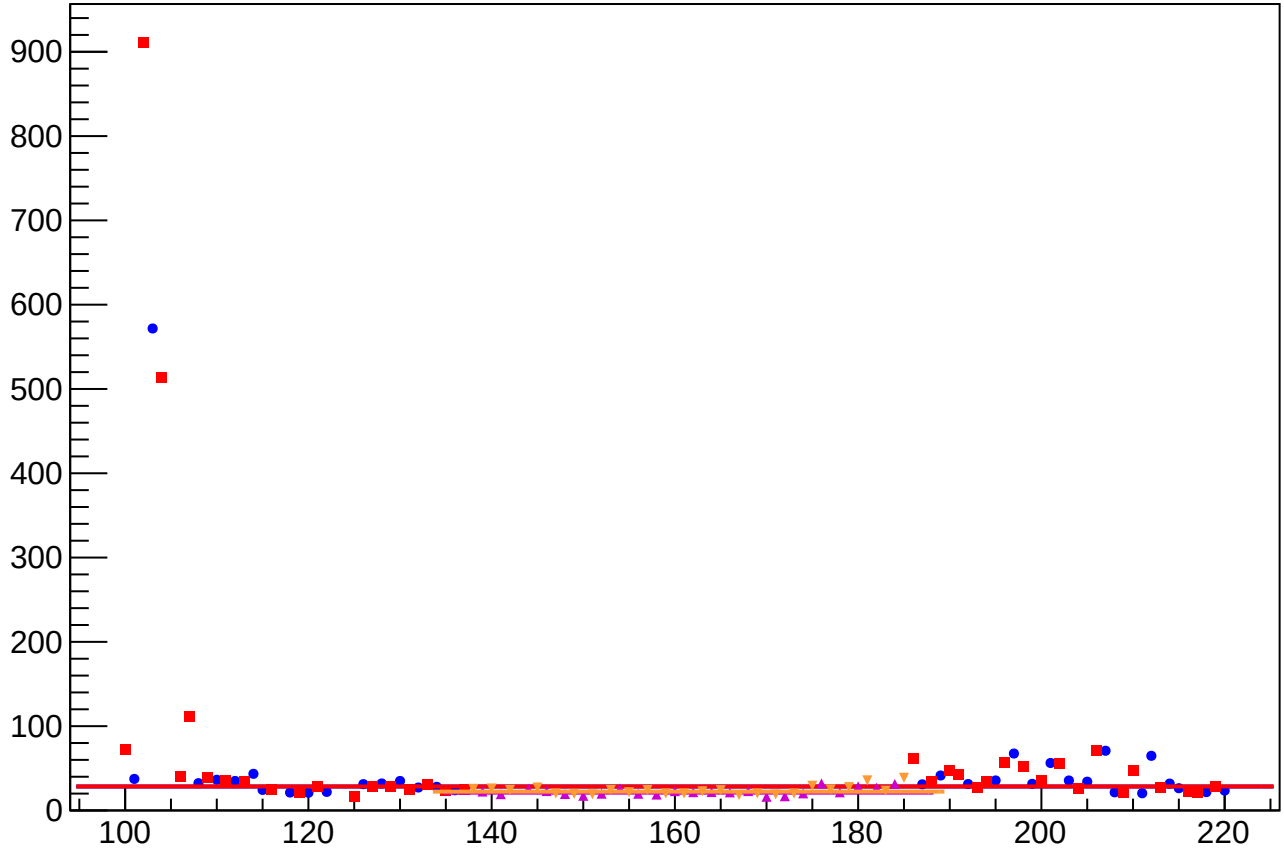
Right: 0.003+/-0.005 χ^2/NDF: 81.8/68

In: -0.005+/-0.004 χ^2/NDF:42.9/55

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: 0.000+/-0.003 χ^2/NDF: 113.6/115

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.386+/-0.005 χ^2/NDF: 4198553.7/32

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

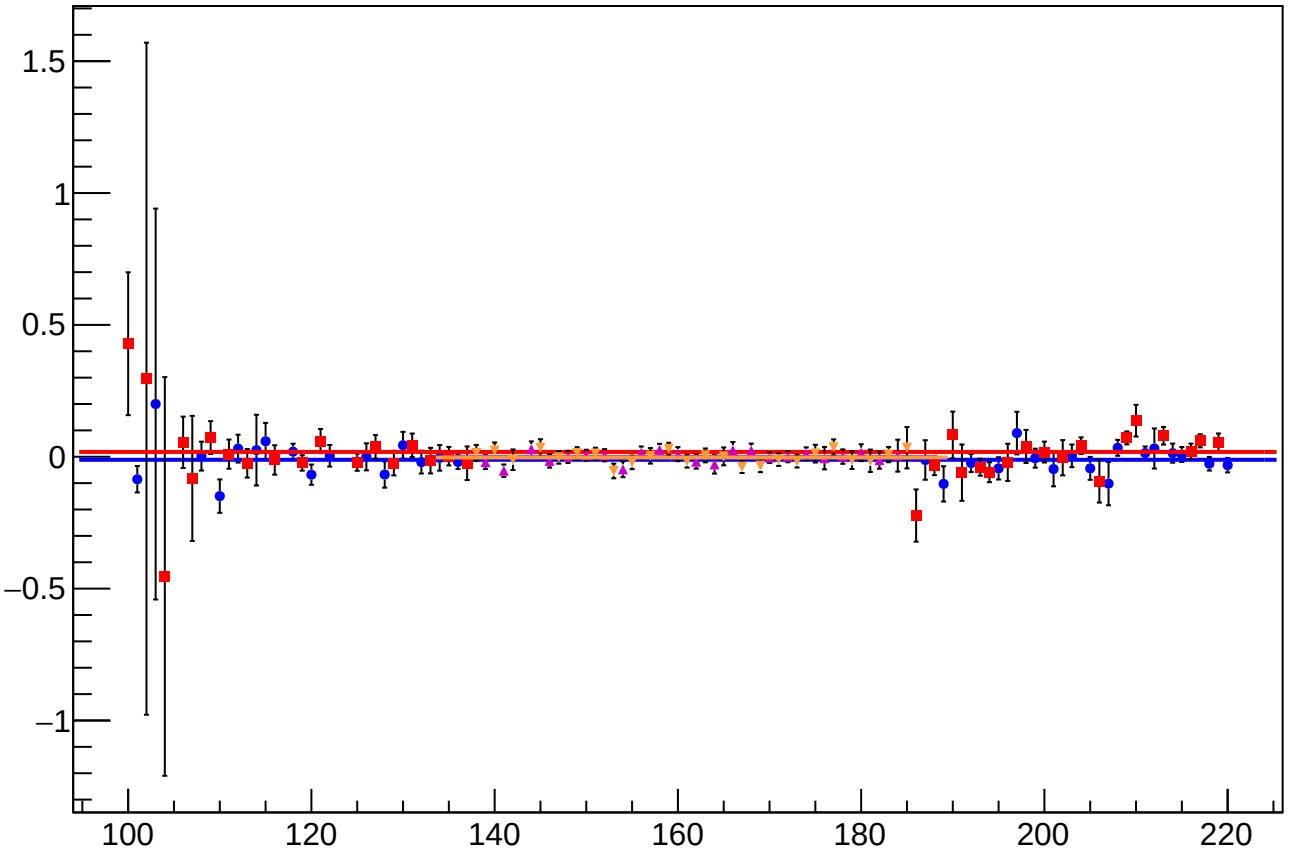
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.437+/-0.004 χ^2/NDF: 9532796.4/68

In: 23.770+/-0.003 χ^2/NDF:6320707.7/55

Out: 24.658+/-0.003 χ^2/NDF:7024557.9/59

All: 24.200+/-0.002 χ^2/NDF: 13385590.5/115



Right In: -0.011+/-0.007 χ^2/NDF: 26.6/32

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

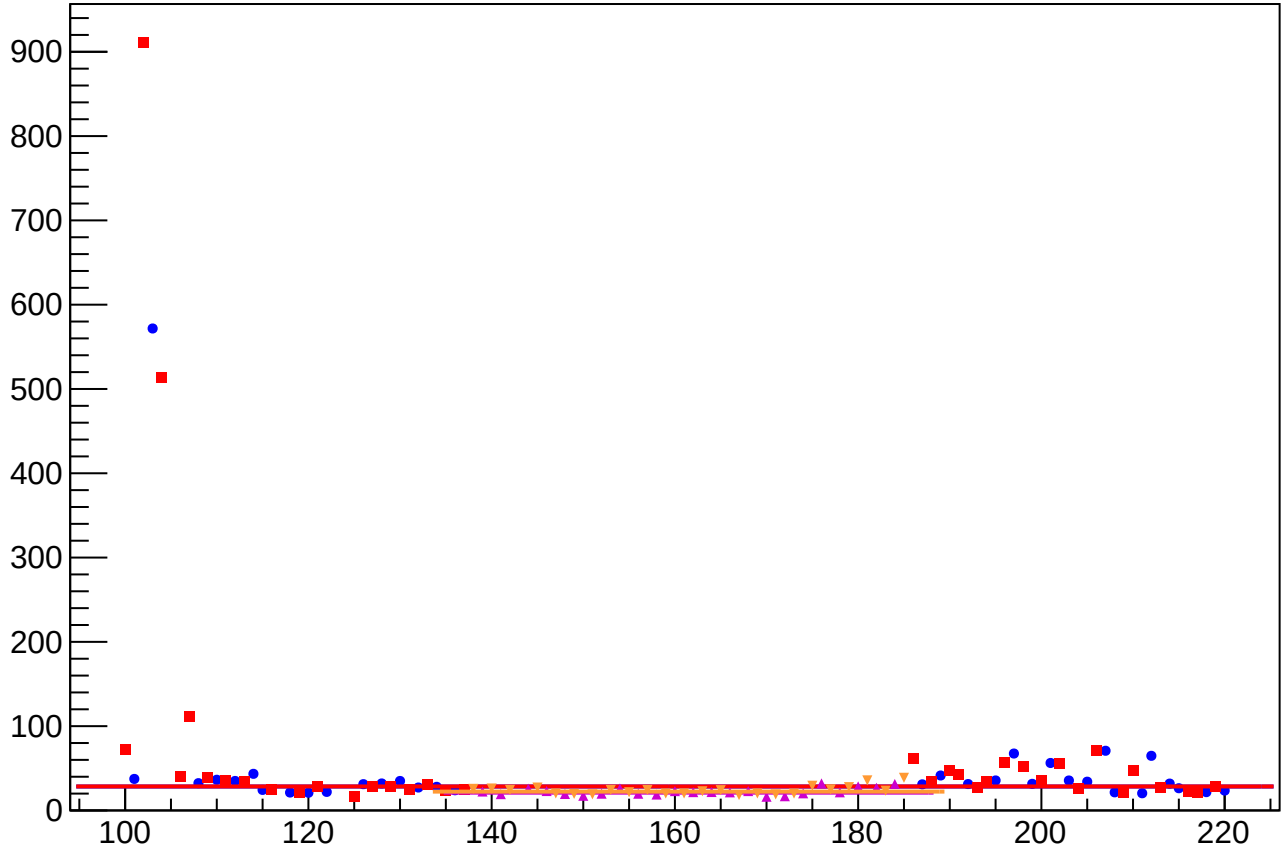
Right: 0.003+/-0.005 χ^2/NDF: 81.8/68

In: -0.005+/-0.004 χ^2/NDF:42.9/55

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: 0.000+/-0.003 χ^2/NDF: 113.6/115

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.386+/-0.005 χ^2/NDF: 4198553.7/32

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

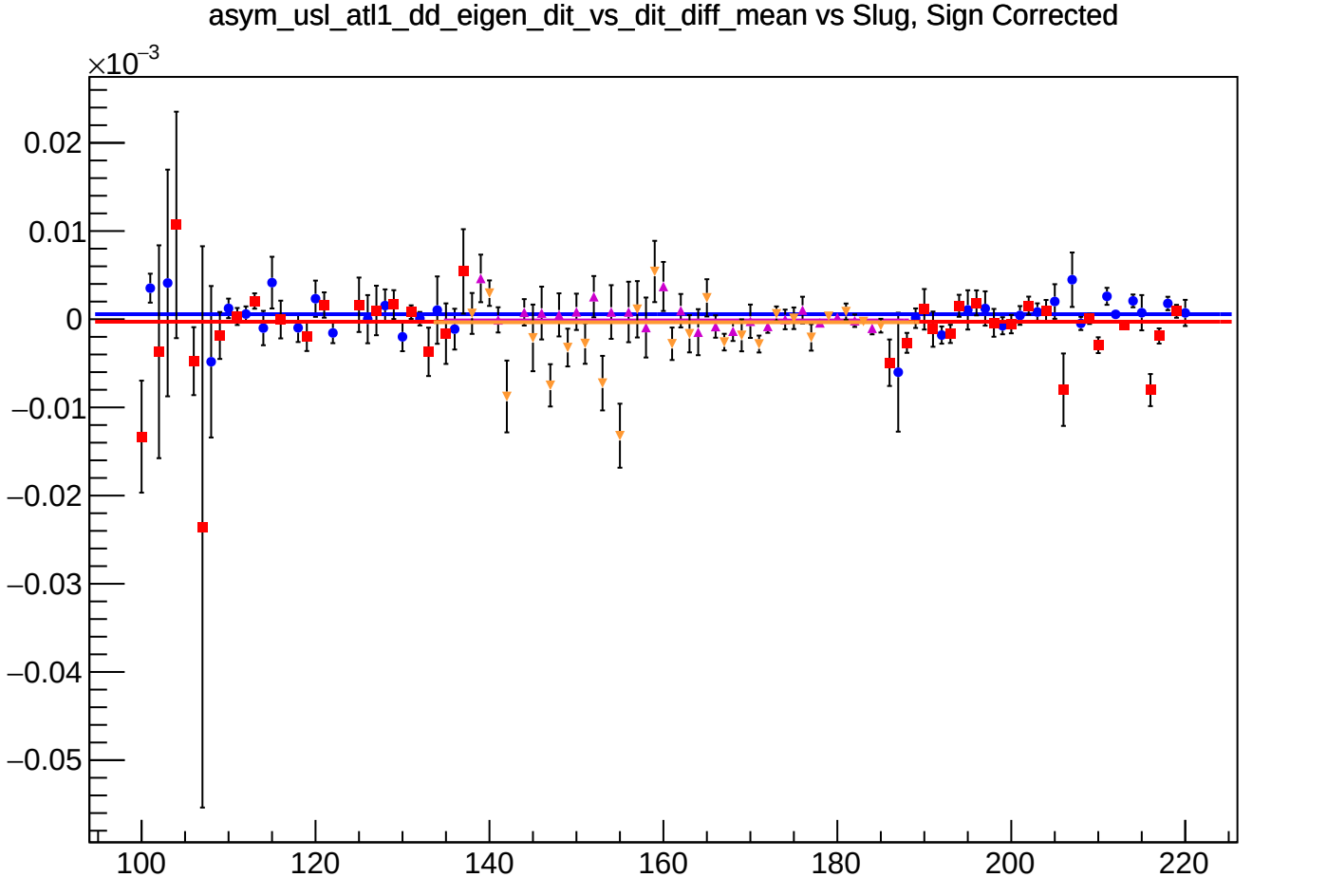
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.437+/-0.004 χ^2/NDF: 9532796.4/68

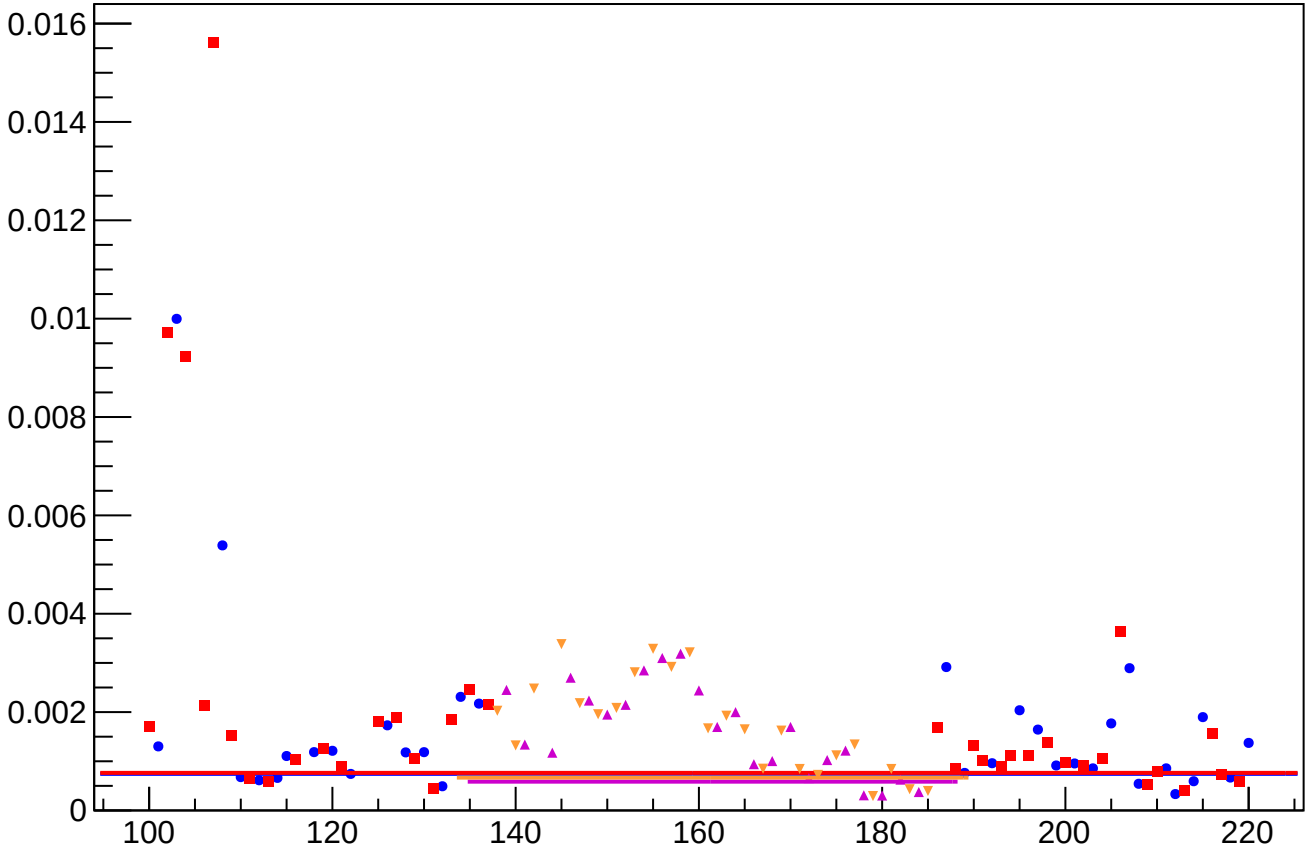
In: 23.770+/-0.003 χ^2/NDF:6320707.7/55

Out: 24.658+/-0.003 χ^2/NDF:7024557.9/59

All: 24.200+/-0.002 χ^2/NDF: 13385590.5/115


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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 39.5/32
Left Out: -0.000+/-0.000 χ²/NDF:68.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 81.1/35
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: 129.8/68
In: 0.000+/-0.000 χ²/NDF:60.6/55
Out: -0.000+/-0.000 χ²/NDF:149.2/59
All: -0.000+/-0.000 χ²/NDF: 216.4/115

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10441671.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9317006.0/35

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

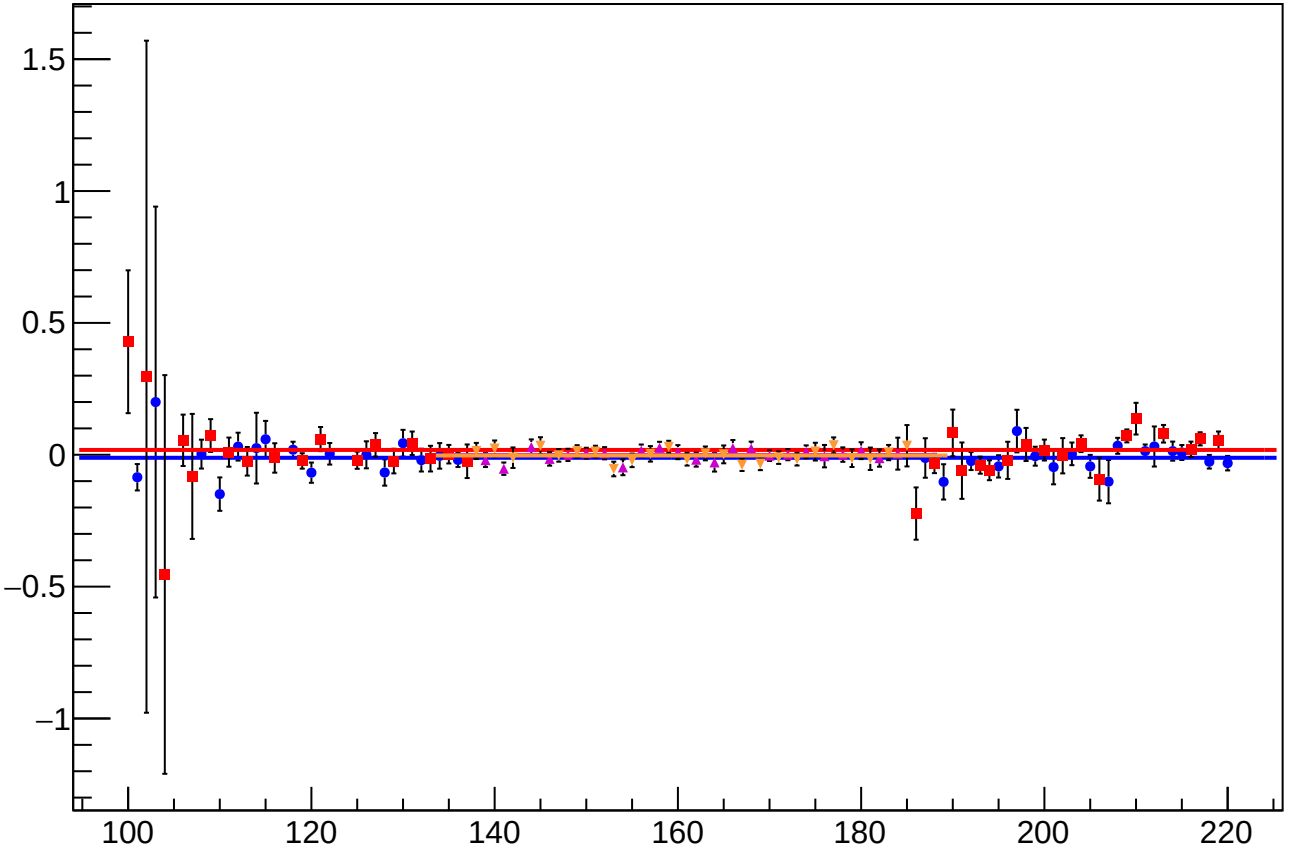
Right: 0.001+/-0.000 χ^2/NDF: 19768476.5/68

In: 0.001+/-0.000 χ^2/NDF:26783428.5/55

Out: 0.001+/-0.000 χ^2/NDF:24915152.1/59

All: 0.001+/-0.000 χ^2/NDF: 51858344.2/115

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.007 χ^2/NDF: 26.6/32

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

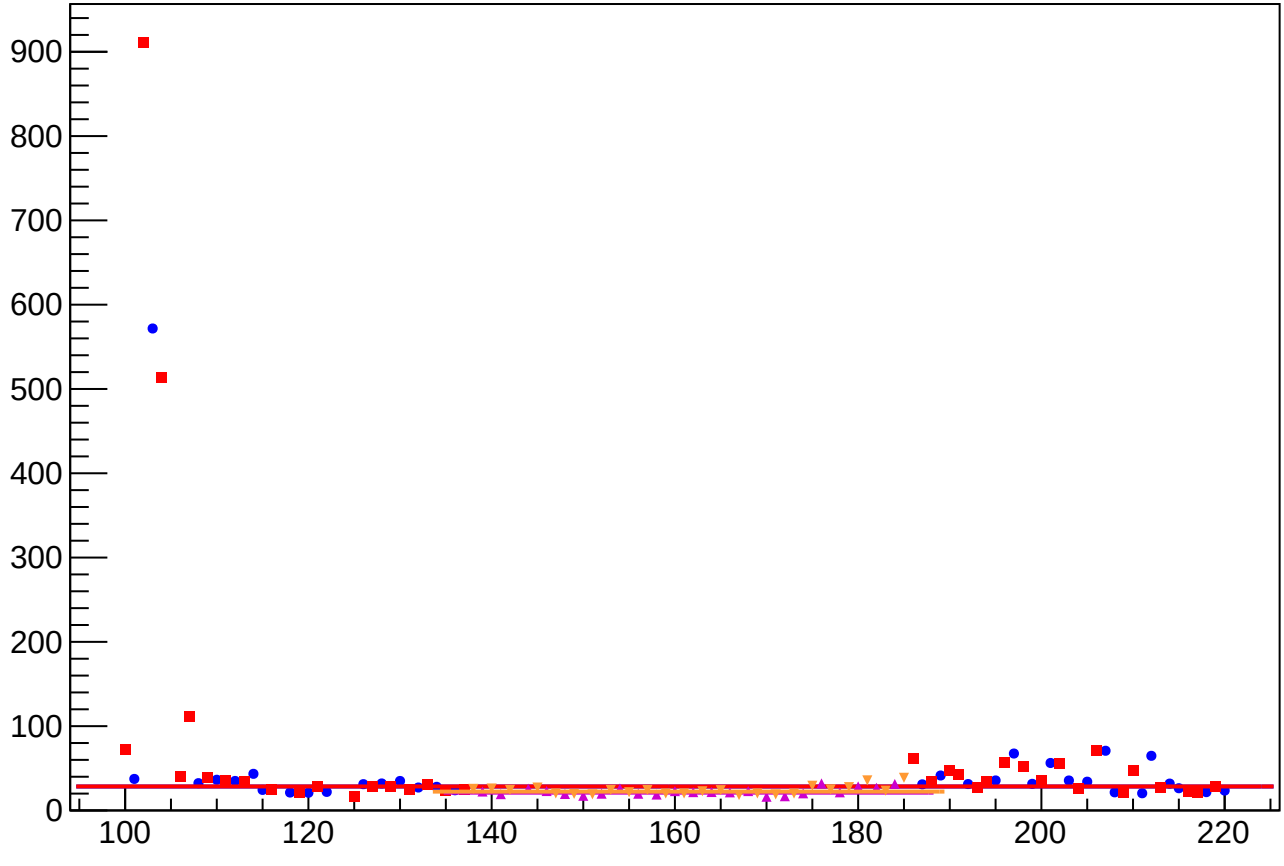
Right: 0.003+/-0.005 χ^2/NDF: 81.8/68

In: -0.005+/-0.004 χ^2/NDF:42.9/55

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: 0.000+/-0.003 χ^2/NDF: 113.6/115

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.386+/-0.005 χ^2/NDF: 4198590.5/32

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

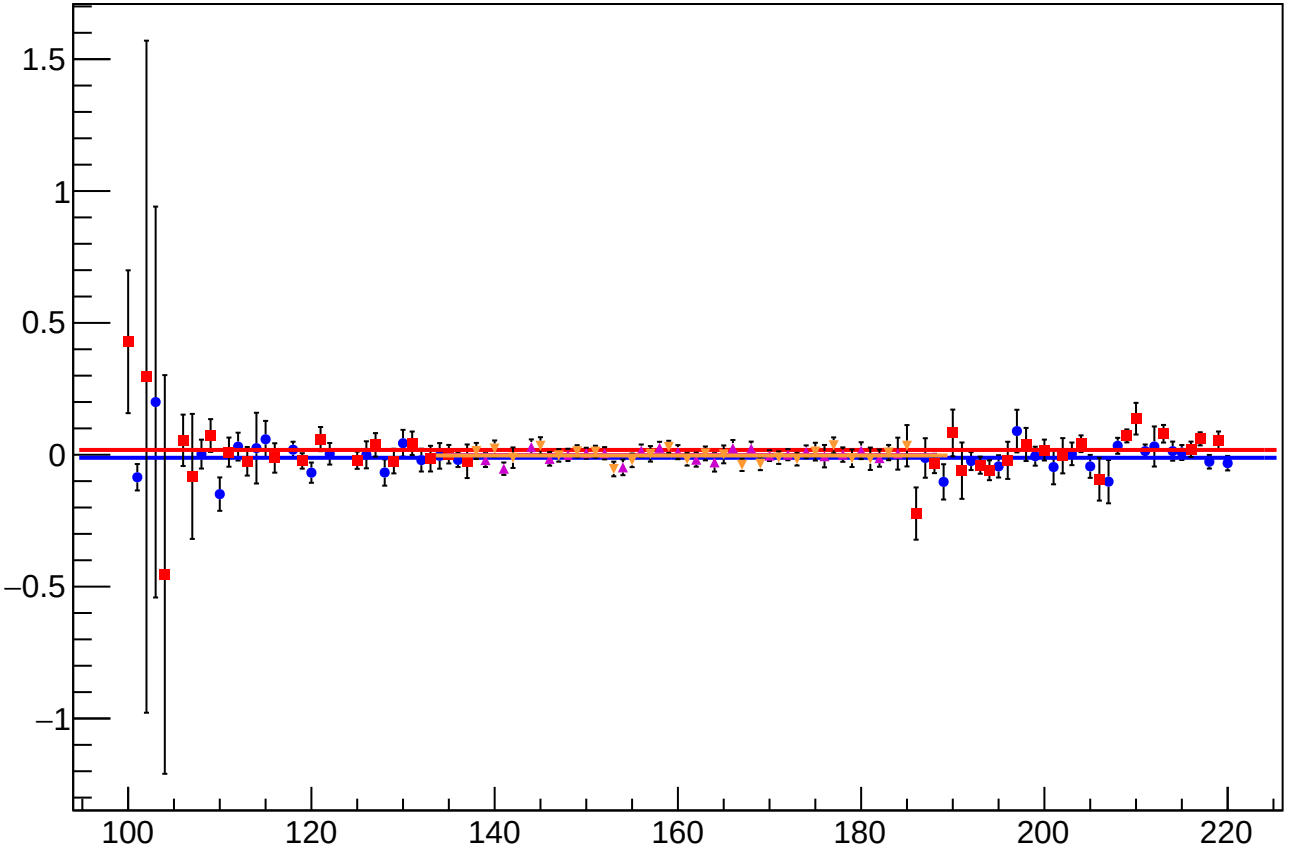
Right: 28.437+/-0.004 χ^2/NDF: 9532923.2/68

In: 23.770+/-0.003 χ^2/NDF:6320792.4/55

Out: 24.658+/-0.003 χ^2/NDF:7024626.7/59

All: 24.200+/-0.002 χ^2/NDF: 13385739.7/115

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.007 χ^2/NDF: 26.6/32

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

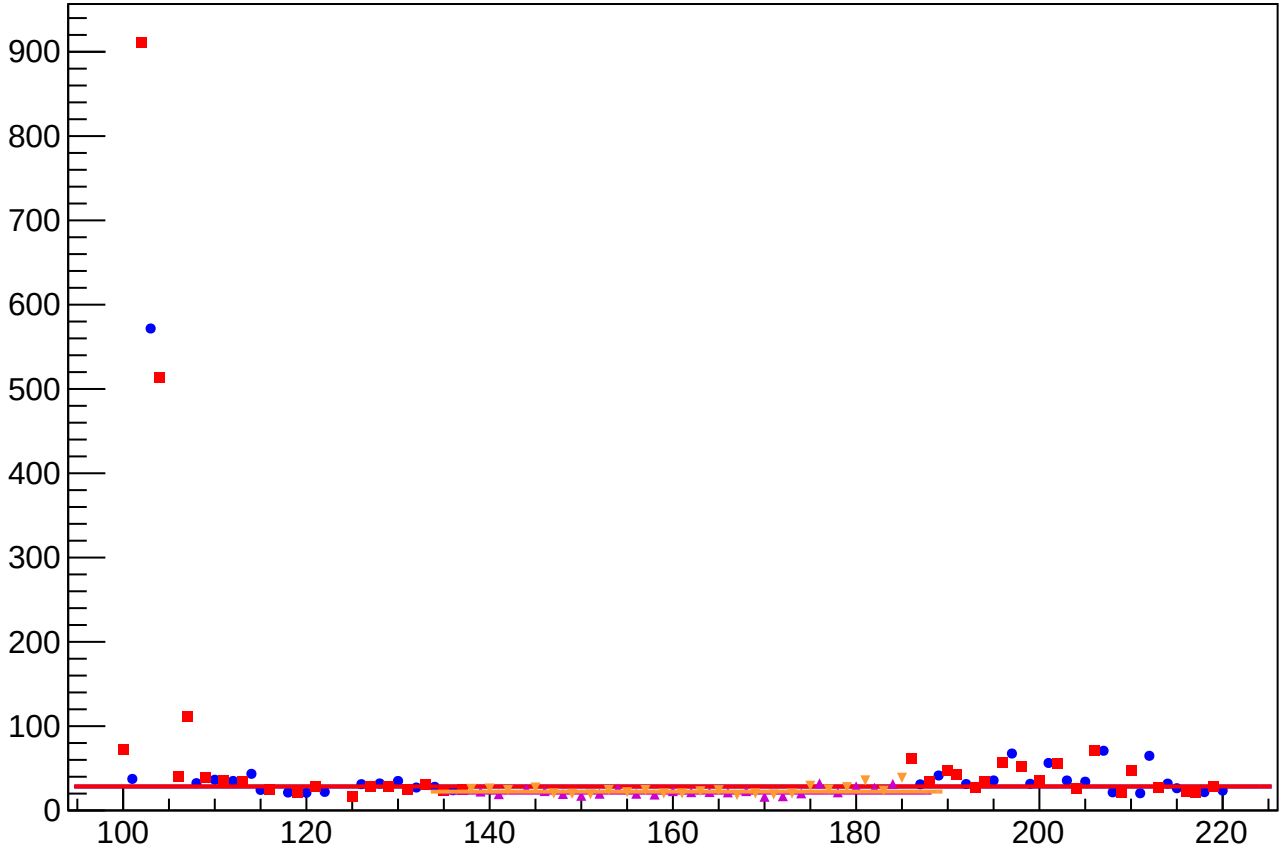
Right: 0.003+/-0.005 χ^2/NDF: 81.8/68

In: -0.005+/-0.004 χ^2/NDF:42.9/55

Out: 0.005+/-0.004 χ^2/NDF:68.2/59

All: 0.000+/-0.003 χ^2/NDF: 113.6/115

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.386+/-0.005 χ^2/NDF: 4198590.5/32

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

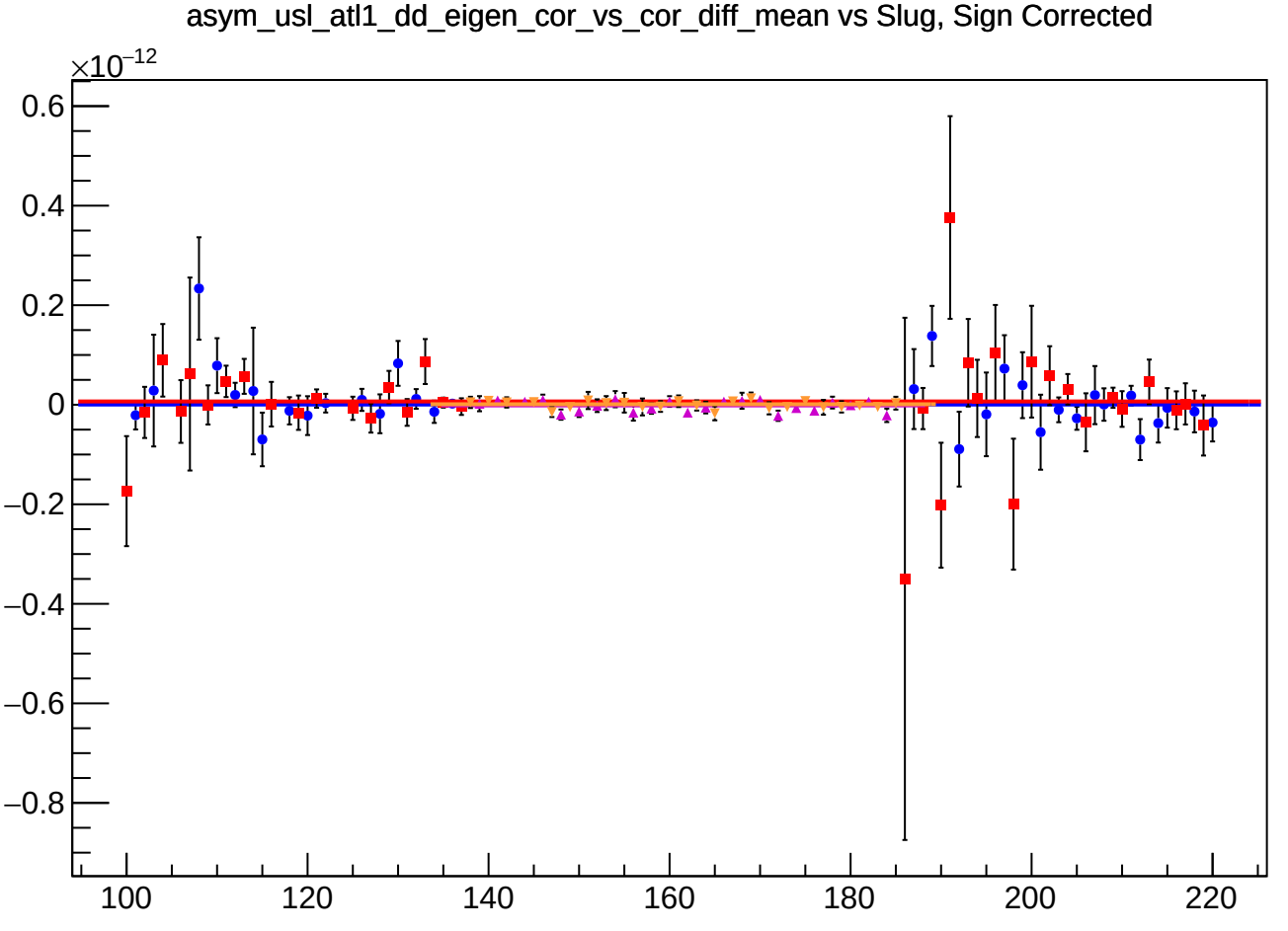
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.437+/-0.004 χ^2/NDF: 9532923.2/68

In: 23.770+/-0.003 χ^2/NDF:6320792.4/55

Out: 24.658+/-0.003 χ^2/NDF:7024626.7/59

All: 24.200+/-0.002 χ^2/NDF: 13385739.7/115



Right In: 0.000+/-0.000 χ^2/NDF: 31.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/35

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

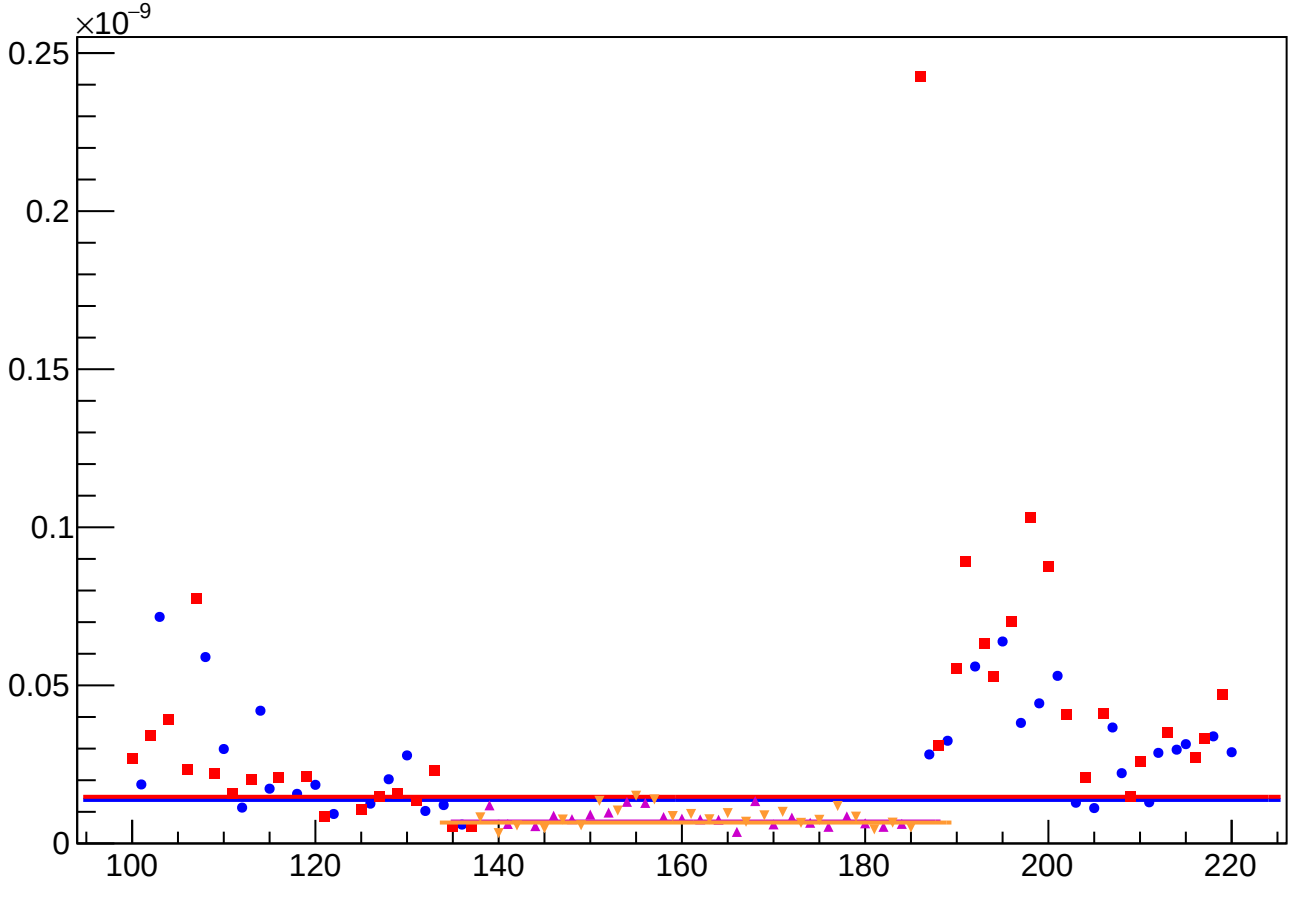
Right: 0.000+/-0.000 χ^2/NDF: 62.9/68

In: -0.000+/-0.000 χ^2/NDF:57.4/55

Out: 0.000+/-0.000 χ^2/NDF:43.1/59

All: 0.000+/-0.000 χ^2/NDF: 101.6/115

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8525244.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11038035.9/35

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

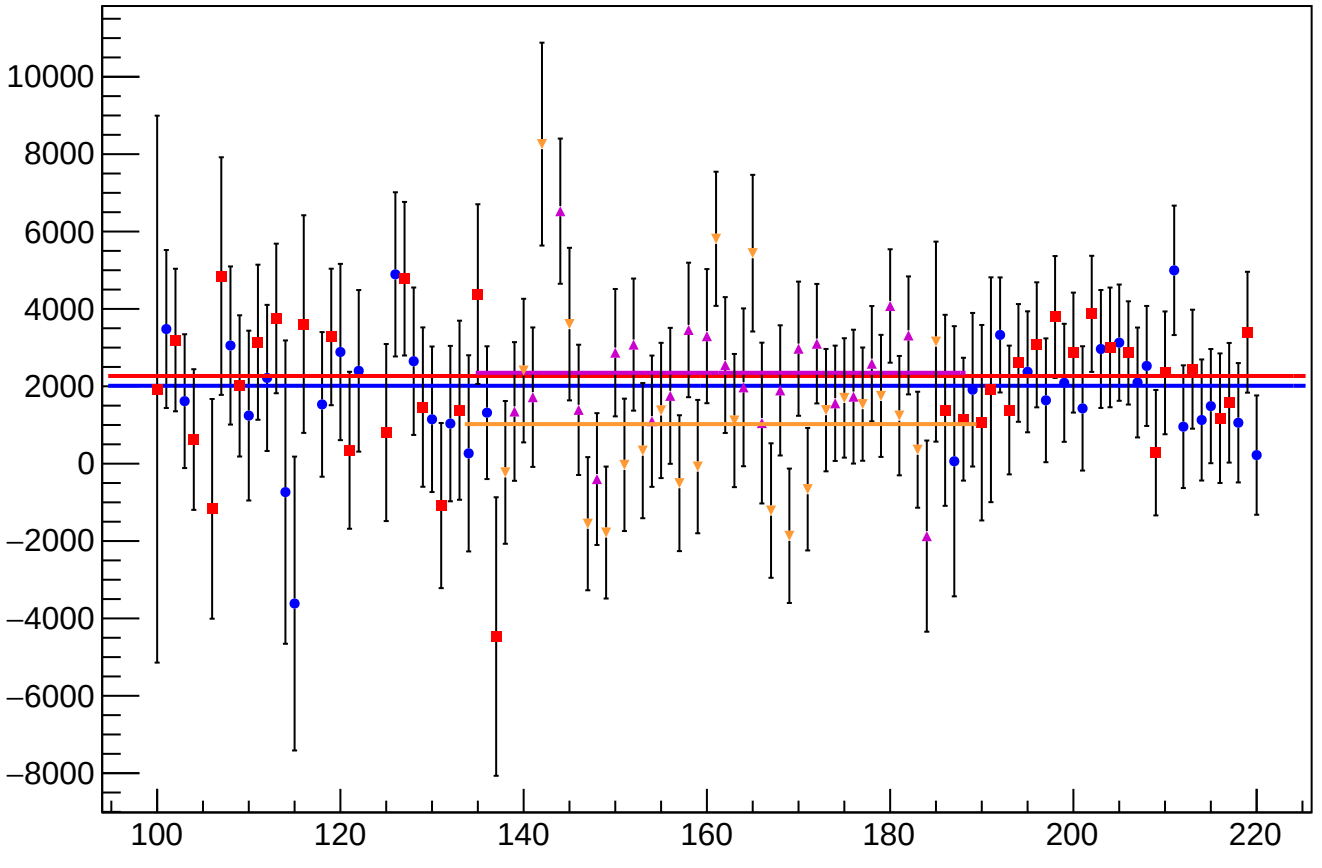
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 19600783.7/68

In: 0.000+/-0.000 χ^2/NDF:14184996.8/55

Out: 0.000+/-0.000 χ^2/NDF:18587465.6/59

All: 0.000+/-0.000 χ^2/NDF: 32808775.1/115



Right In: 2013.029+/-311.286 χ^2/NDF: 15.1/32

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2266.520+/-310.923 χ^2/NDF: 21.4/35

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

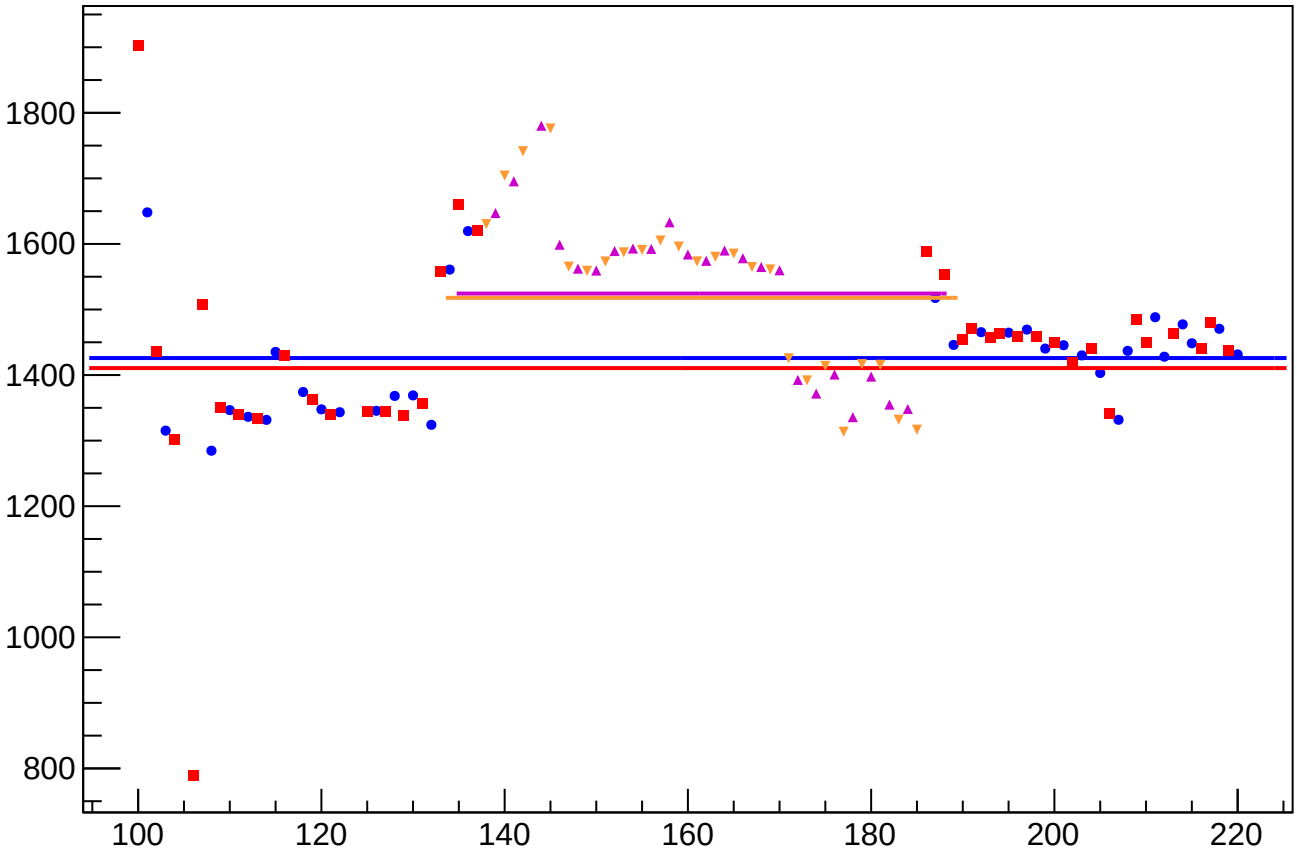
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2139.922+/-219.984 χ^2/NDF: 36.8/68

In: 2158.190+/-234.640 χ^2/NDF:31.6/55

Out: 1723.876+/-233.454 χ^2/NDF:64.8/59

All: 1939.932+/-165.495 χ^2/NDF: 98.1/115



Right In: 1425.960+/-0.220 χ^2/NDF: 122212.5/32

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1410.633+/-0.217 χ^2/NDF: 415417.9/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

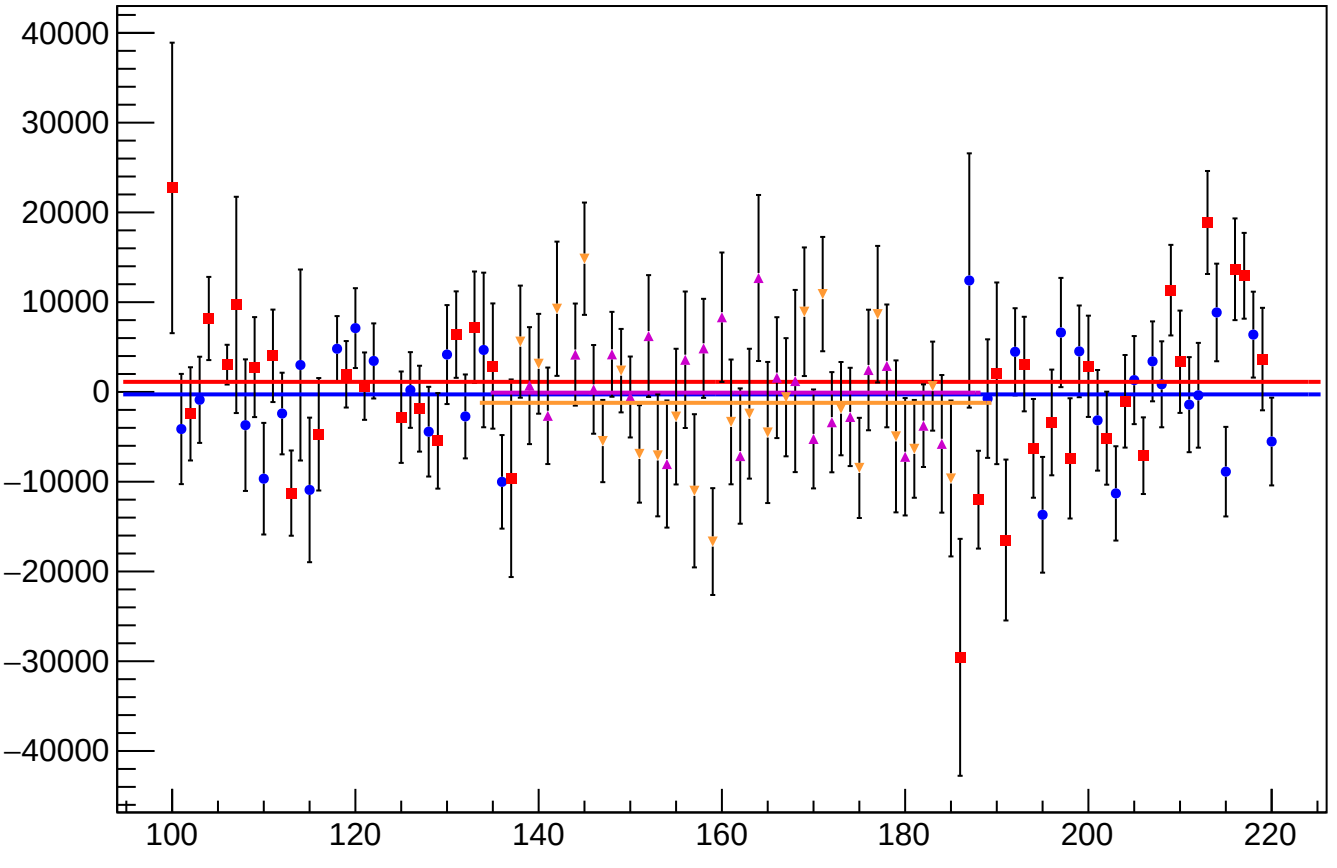
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1418.198+/-0.155 χ^2/NDF: 540085.9/68

In: 1468.431+/-0.166 χ^2/NDF:432751.1/55

Out: 1456.778+/-0.164 χ^2/NDF:754105.4/59

All: 1462.537+/-0.117 χ^2/NDF: 1189351.7/11



Right In: -272.450+/-919.274 χ^2/NDF: 38.6/32

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 1123.519+/-861.819 χ^2/NDF: 69.4/35

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

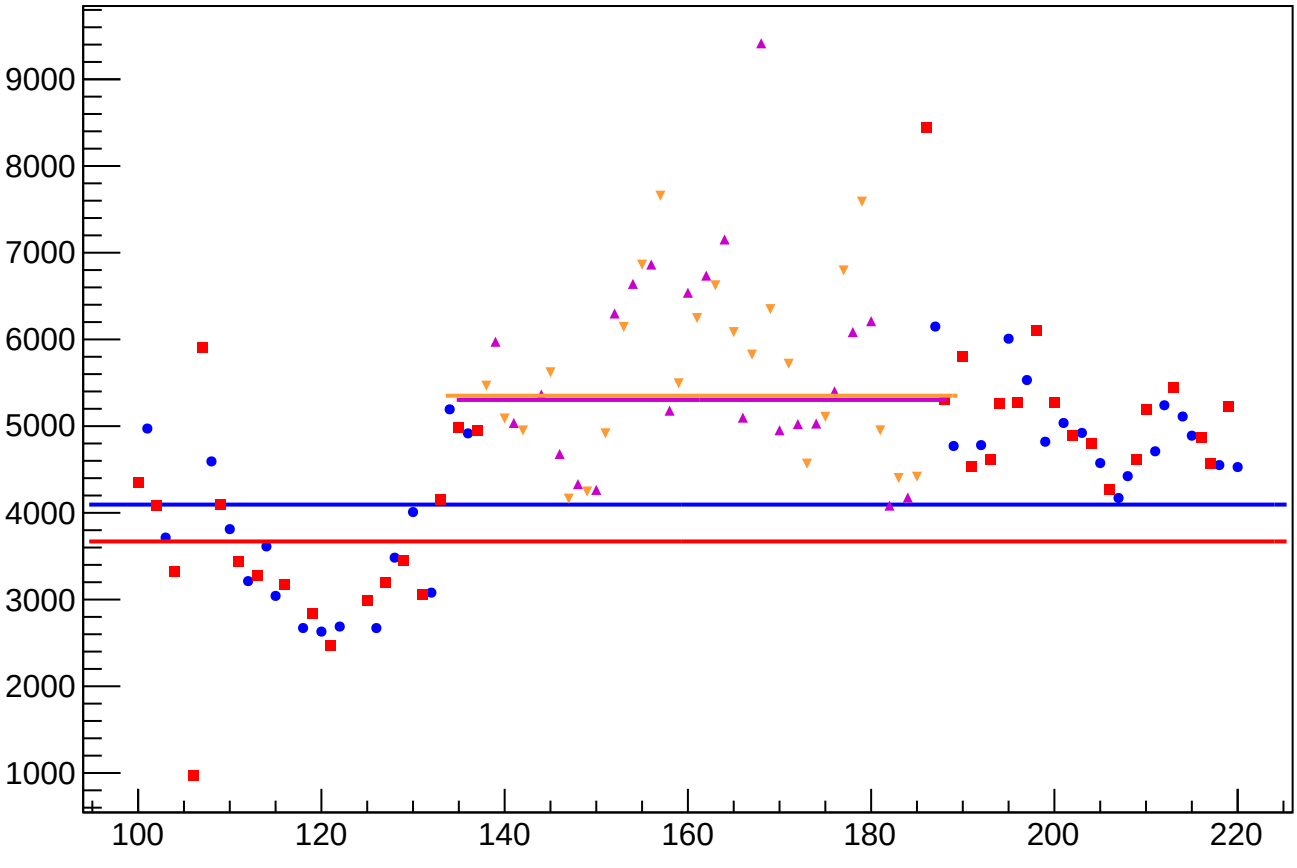
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

Right: 470.519+/-628.729 χ^2/NDF: 109.3/68

In: -206.165+/-743.516 χ^2/NDF:51.8/55

Out: 385.823+/-712.827 χ^2/NDF:105.0/59

All: 102.298+/-514.552 χ^2/NDF: 157.1/115



Right In: 4095.222+/-0.650 χ^2/NDF: 2188455.5/32

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3670.142+/-0.609 χ^2/NDF: 5935042.9/35

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

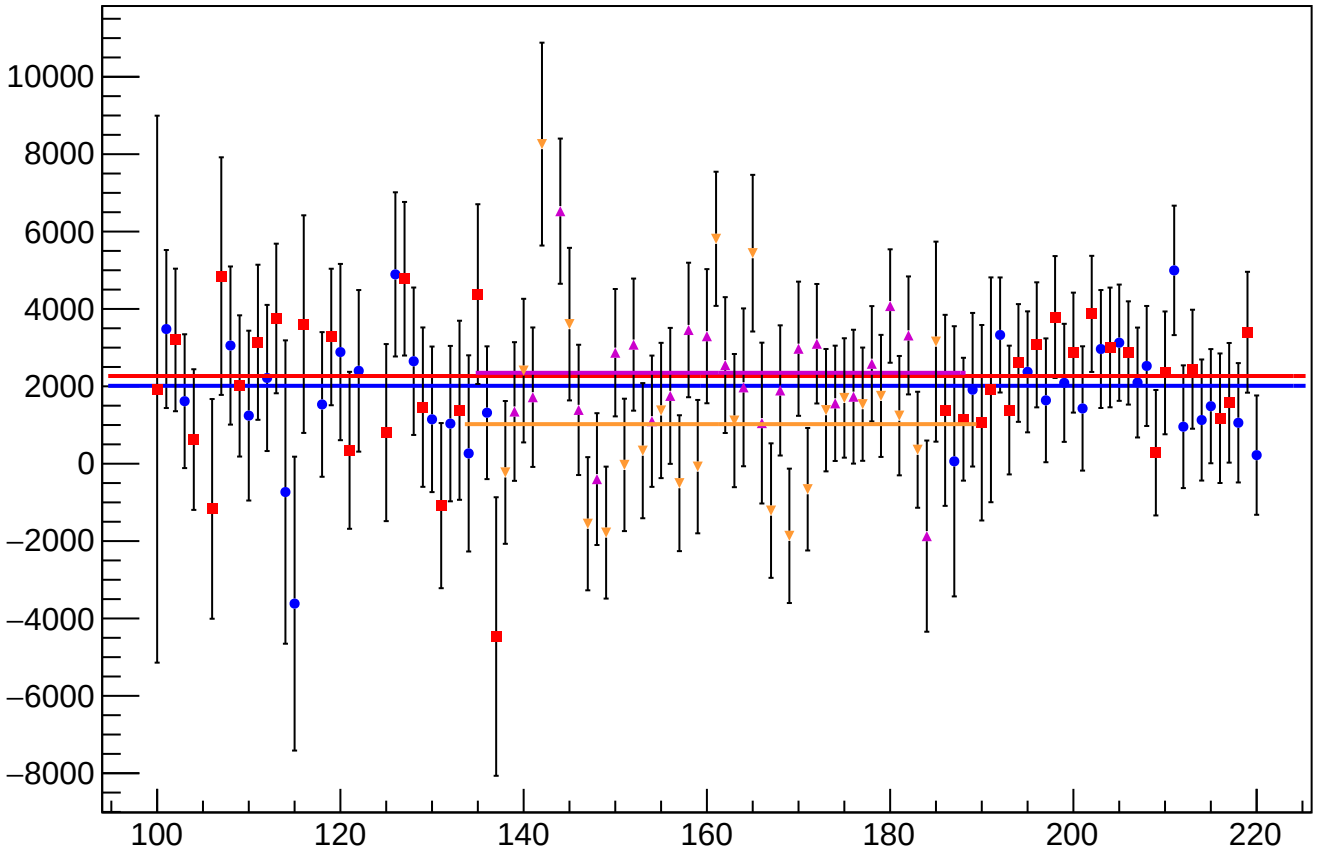
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 3868.984+/-0.445 χ^2/NDF: 8351100.5/68

In: 4512.626+/-0.526 χ^2/NDF:4637075.8/55

Out: 4201.122+/-0.504 χ^2/NDF:9404558.3/59

All: 4350.312+/-0.364 χ^2/NDF: 14224556.7/



Right In: 2013.007+/-311.286 χ^2/NDF: 15.1/32

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2266.586+/-310.924 χ^2/NDF: 21.4/35

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

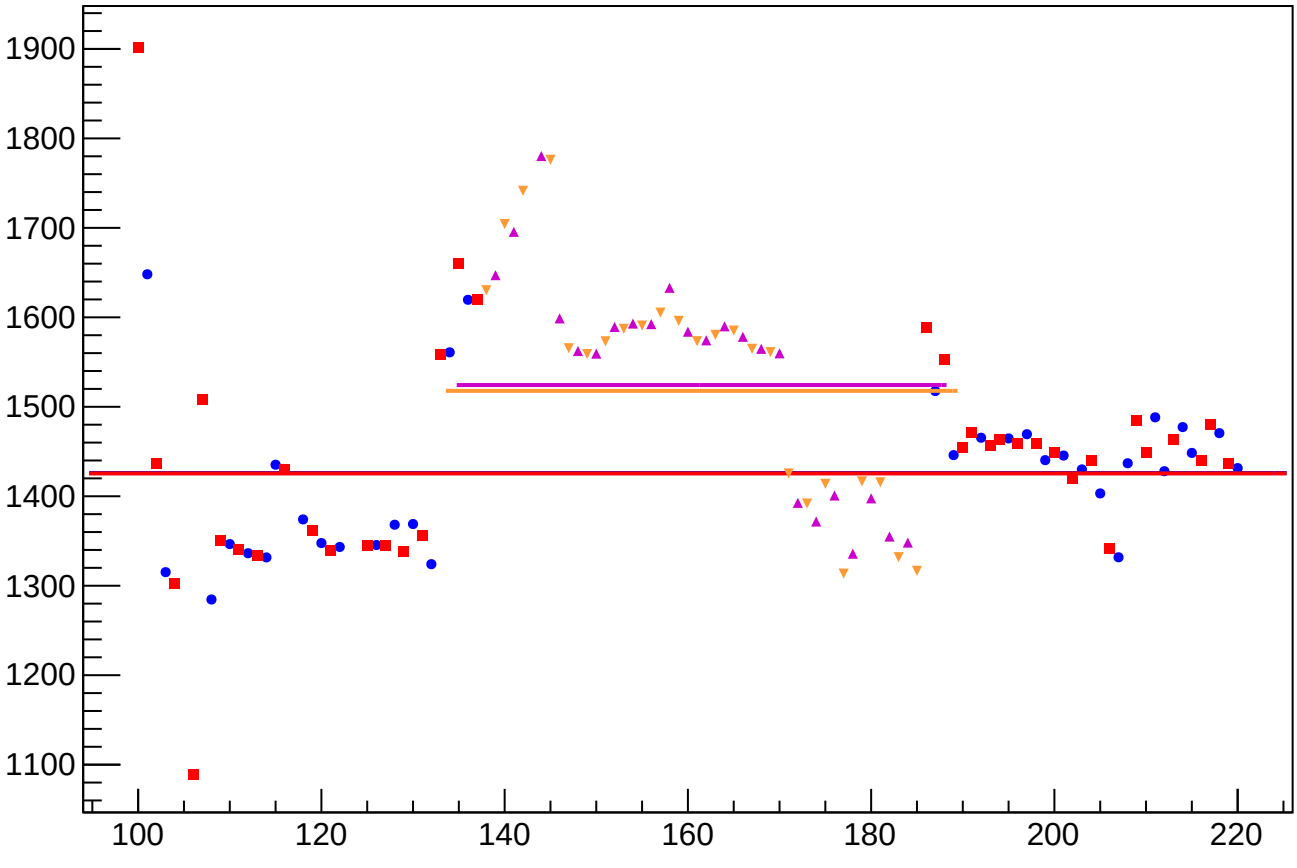
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2139.944+/-219.984 χ^2/NDF: 36.8/68

In: 2158.176+/-234.640 χ^2/NDF:31.6/55

Out: 1723.925+/-233.454 χ^2/NDF:64.8/59

All: 1939.950+/-165.495 χ^2/NDF: 98.1/115



Right In: 1425.960+/-0.220 χ^2/NDF: 122212.5/32

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

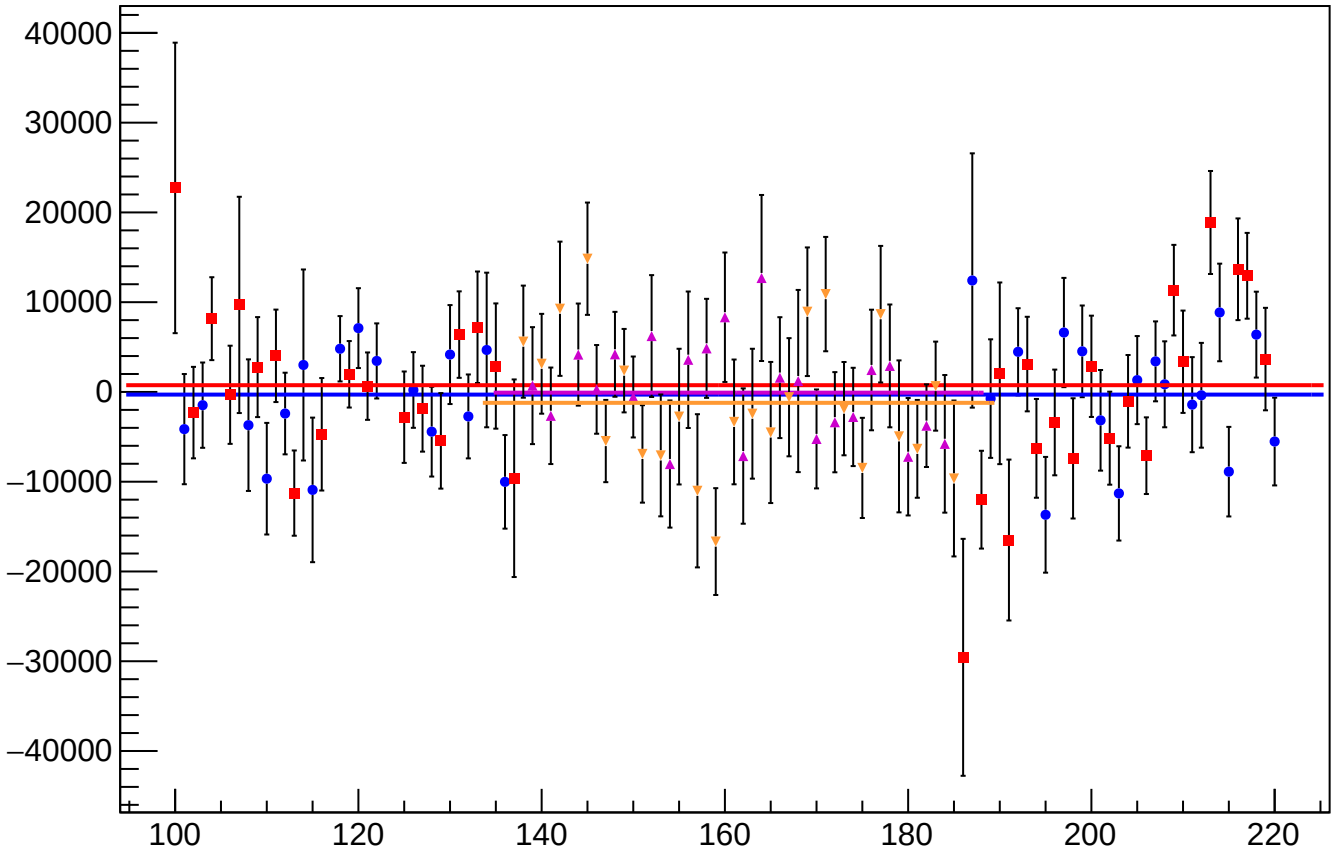
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1425.750+/-0.155 χ^2/NDF: 296518.5/68

In: 1468.431+/-0.166 χ^2/NDF:432751.2/55

Out: 1465.577+/-0.165 χ^2/NDF:485426.1/59

All: 1466.993+/-0.117 χ^2/NDF: 918326.5/115



Right In: -295.480+/-918.921 χ^2/NDF: 38.7/32

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 752.085+/-921.513 χ^2/NDF: 68.5/35

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

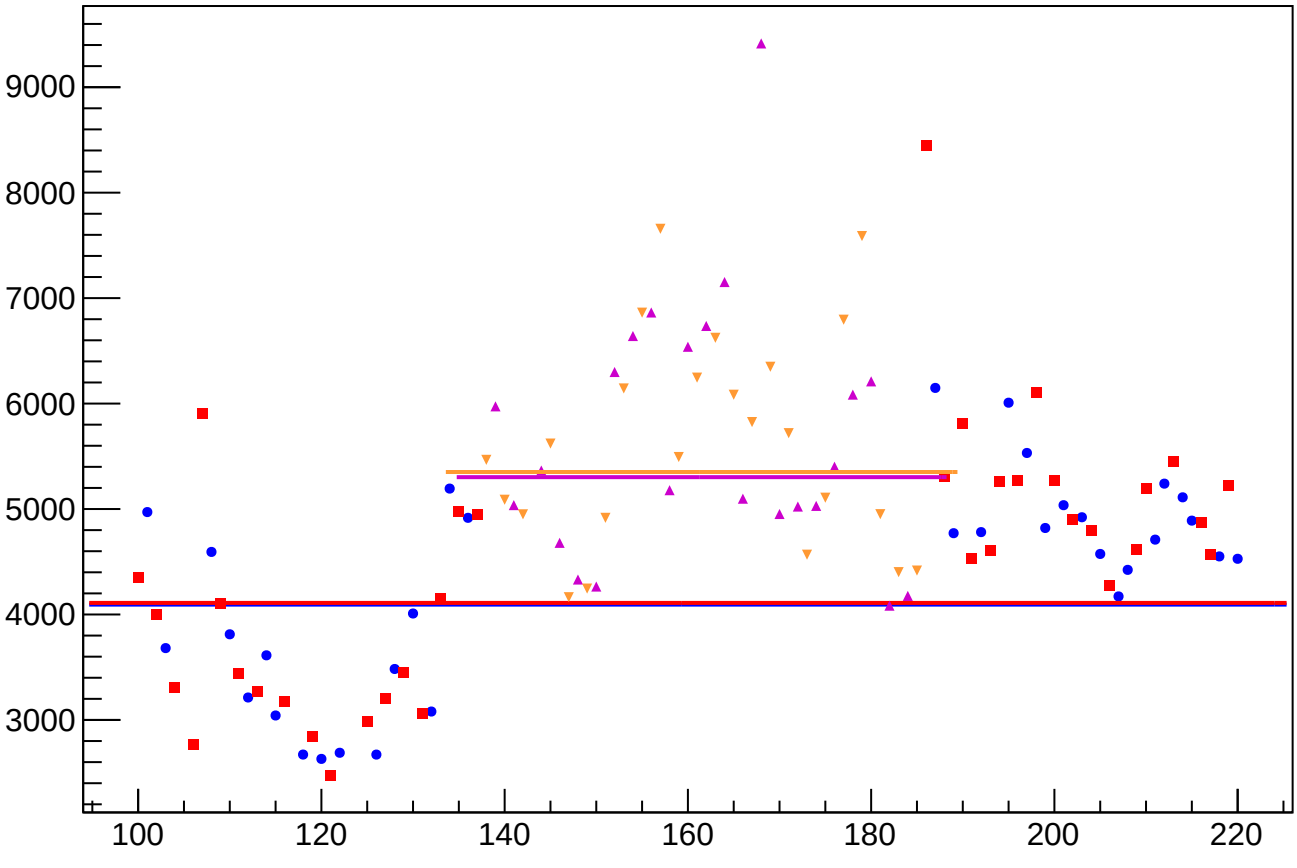
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: 226.827+/-650.690 χ^2/NDF: 107.9/68

In: -221.236+/-743.329 χ^2/NDF:51.9/55

Out: 73.522+/-745.512 χ^2/NDF:103.4/59

All: -74.289+/-526.383 χ^2/NDF: 155.3/115



Right In: 4093.662+/-0.650 χ^2/NDF: 2190982.5/32

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

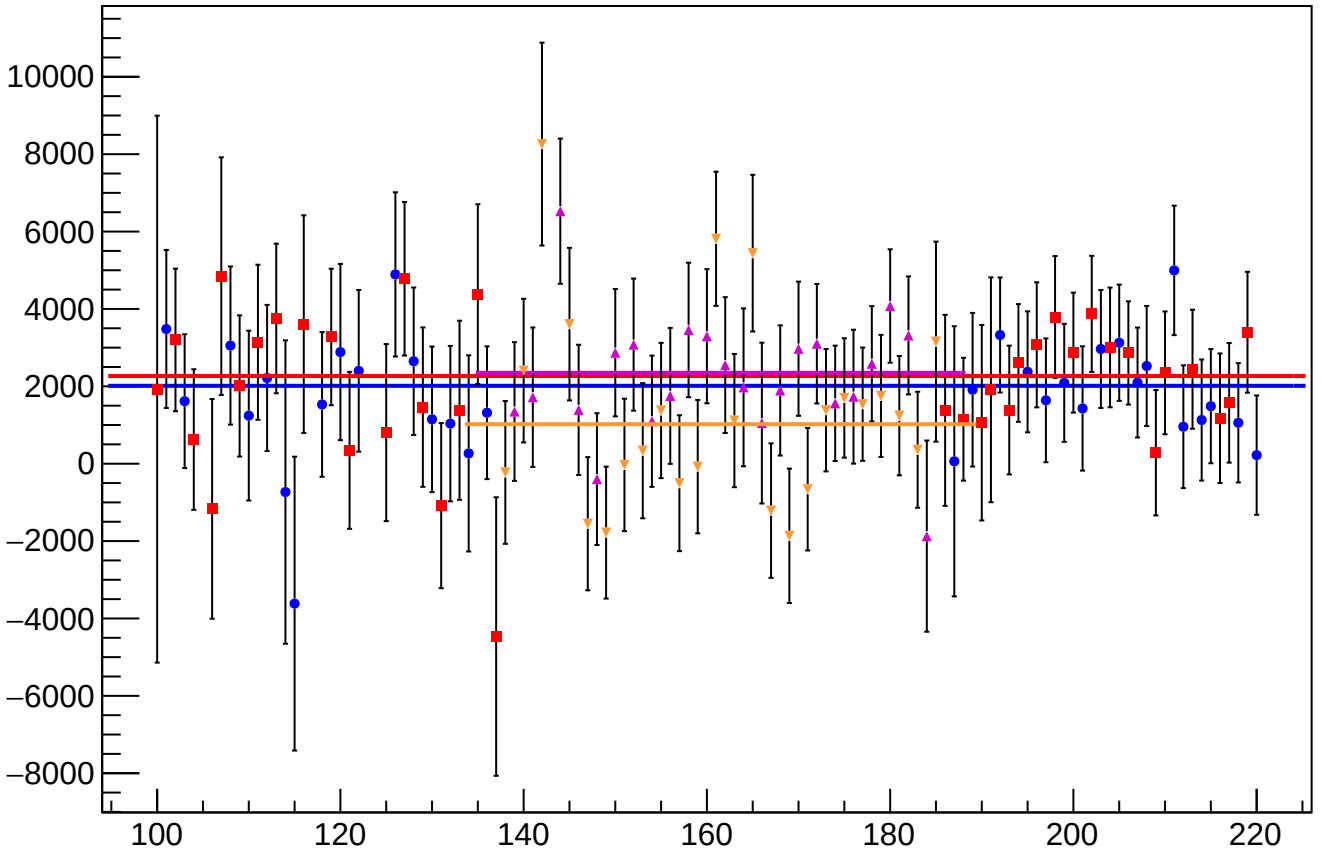
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4101.684+/-0.460 χ^2/NDF: 4745708.0/68

In: 4511.393+/-0.526 χ^2/NDF:4643006.4/55

Out: 4538.655+/-0.527 χ^2/NDF:4874437.7/59

All: 4524.984+/-0.372 χ^2/NDF: 9518785.3/11



Right In: 2013.007+/-311.286 χ^2/NDF: 15.1/32

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2266.586+/-310.924 χ^2/NDF: 21.4/35

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

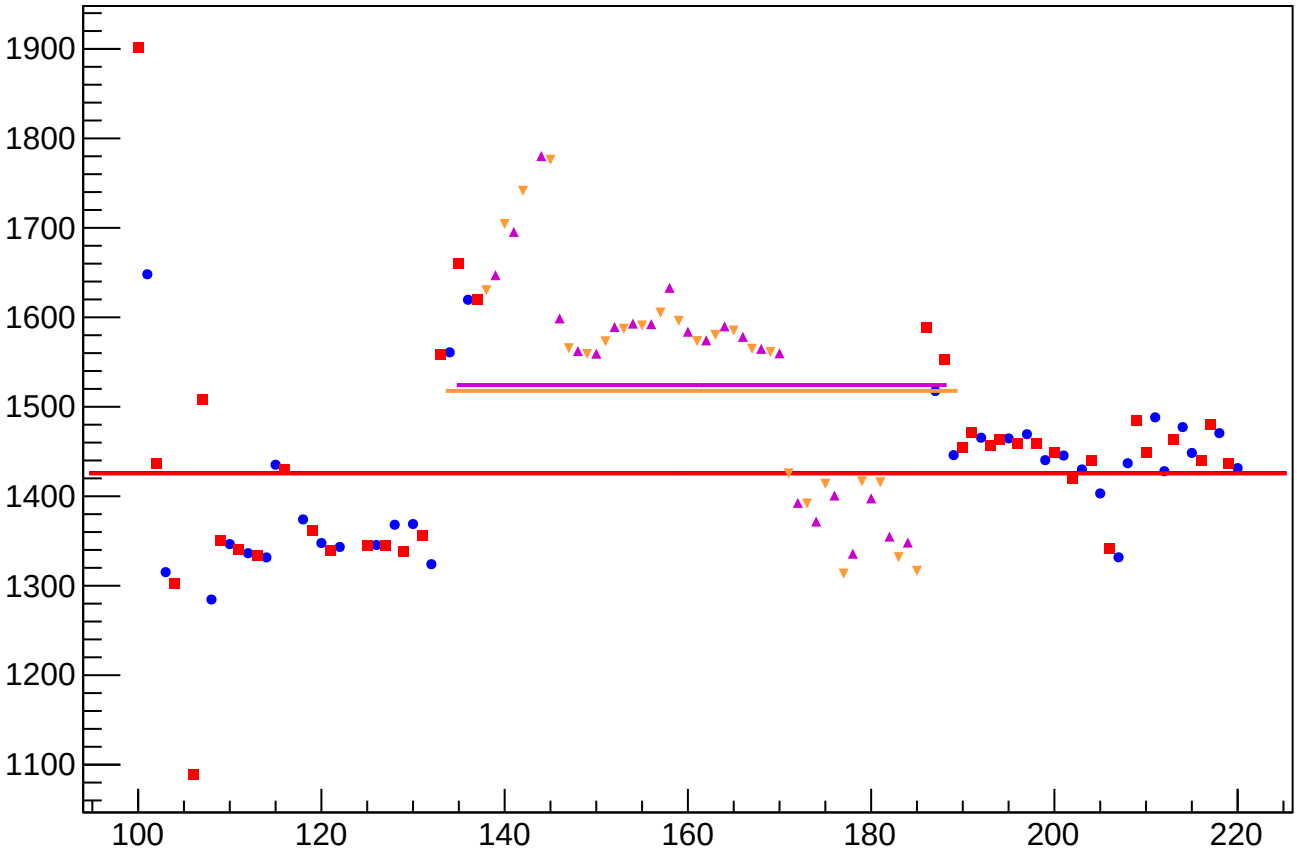
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2139.944+/-219.984 χ^2/NDF: 36.8/68

In: 2158.176+/-234.640 χ^2/NDF:31.6/55

Out: 1723.925+/-233.454 χ^2/NDF:64.8/59

All: 1939.950+/-165.495 χ^2/NDF: 98.1/115



Right In: 1425.960+/-0.220 χ^2/NDF: 122212.5/32

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

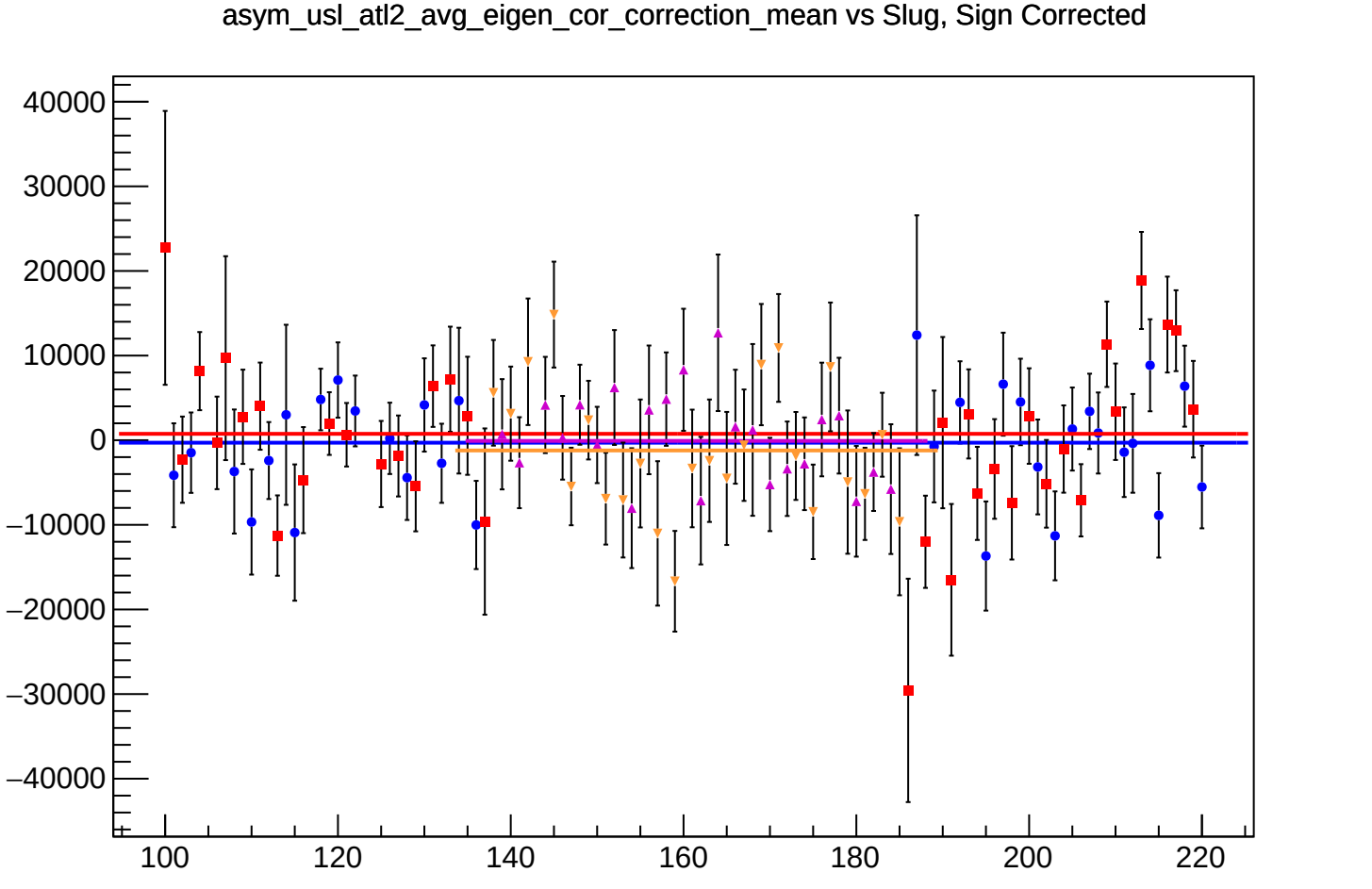
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1425.750+/-0.155 χ^2/NDF: 296518.5/68

In: 1468.431+/-0.166 χ^2/NDF:432751.2/55

Out: 1465.577+/-0.165 χ^2/NDF:485426.1/59

All: 1466.993+/-0.117 χ^2/NDF: 918326.5/115



Right In: -295.480+/-918.921 χ^2/NDF: 38.7/32

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 752.085+/-921.513 χ^2/NDF: 68.5/35

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

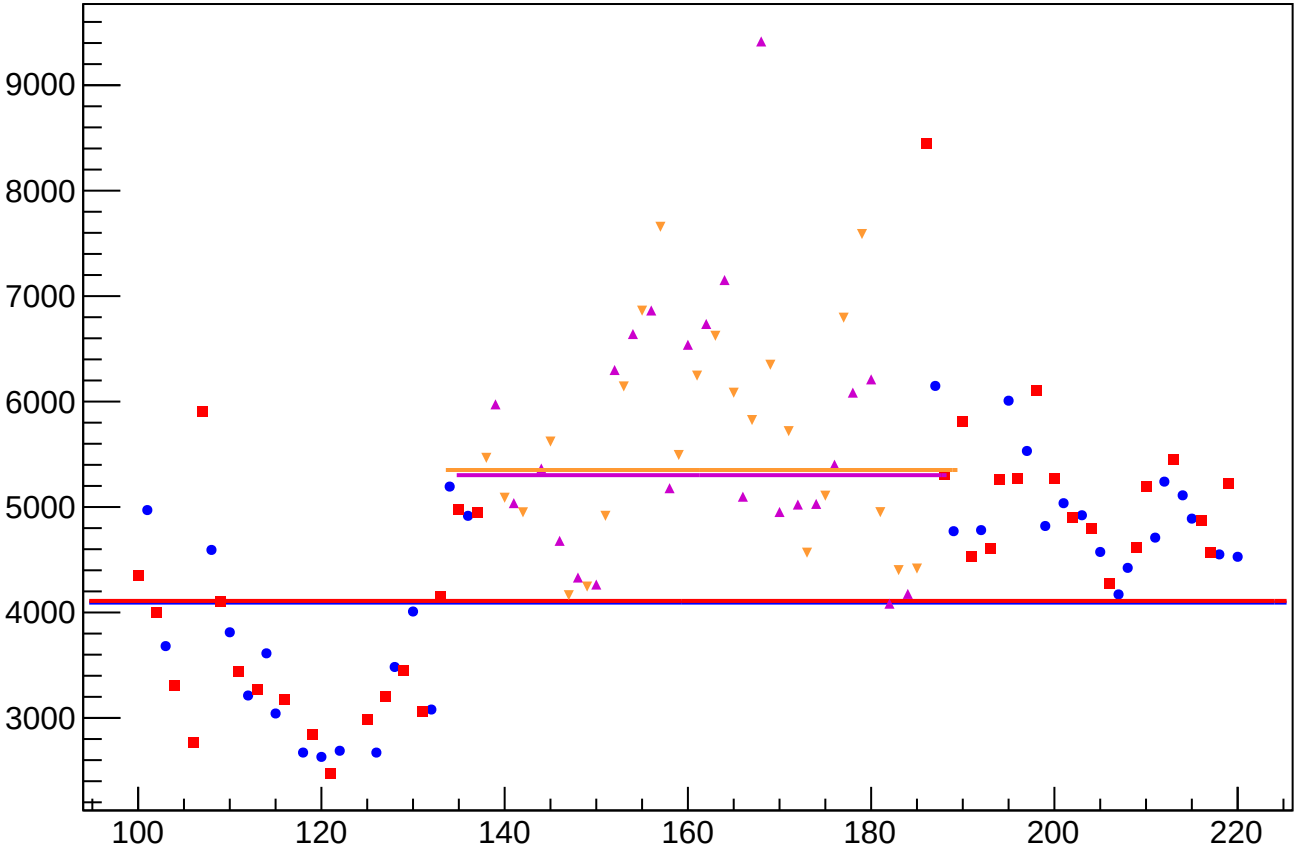
Right: 226.827+/-650.690 χ^2/NDF: 107.9/68

In: -221.236+/-743.329 χ^2/NDF:51.9/55

Out: 73.522+/-745.512 χ^2/NDF:103.4/59

All: -74.289+/-526.383 χ^2/NDF: 155.3/115

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4093.662+/-0.650 χ^2/NDF: 2190982.5/32

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

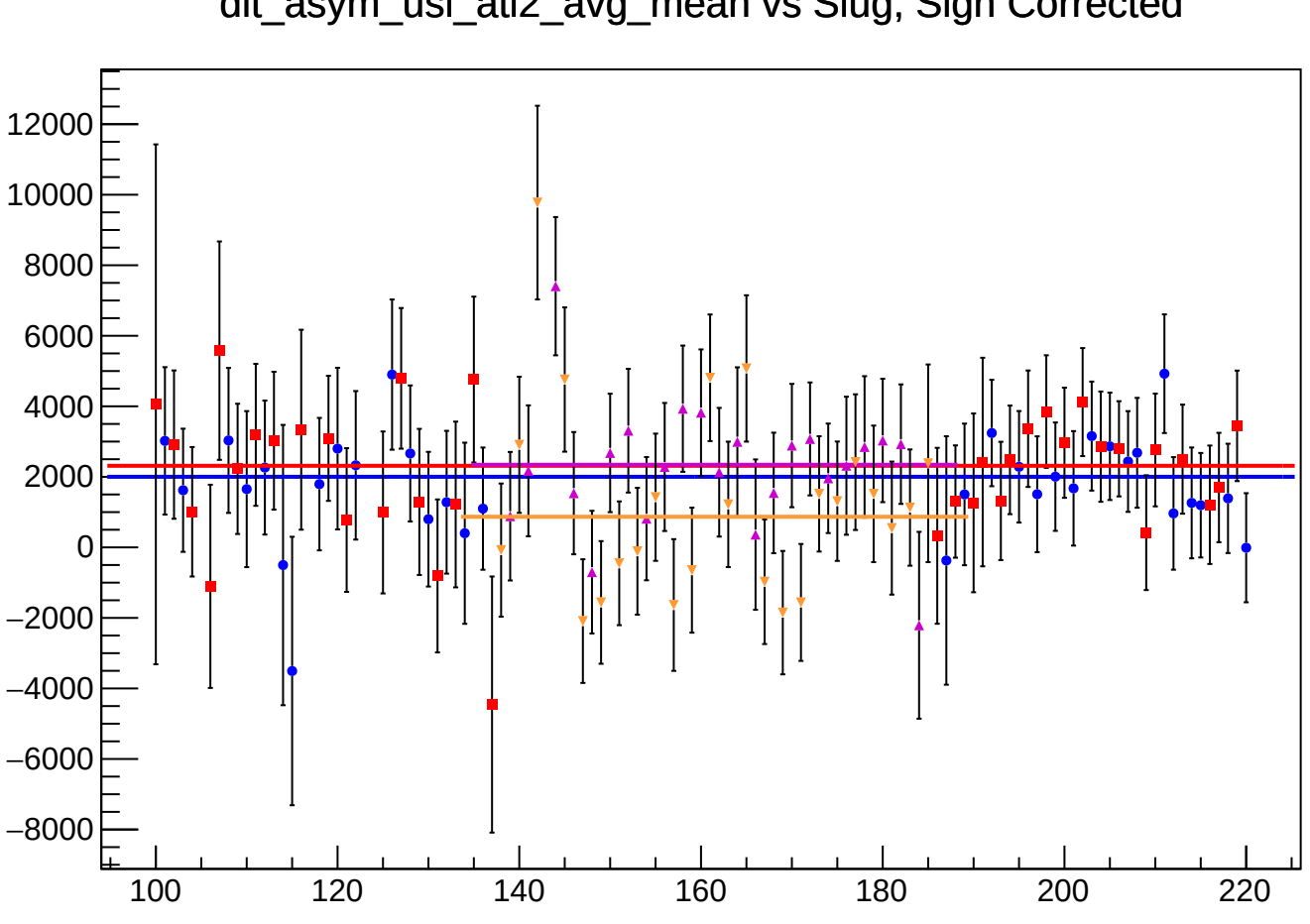
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4101.684+/-0.460 χ^2/NDF: 4745708.0/68

In: 4511.393+/-0.526 χ^2/NDF:4643006.4/55

Out: 4538.655+/-0.527 χ^2/NDF:4874437.7/59

All: 4524.984+/-0.372 χ^2/NDF: 9518785.3/11



Right In: 2001.214+/-314.125 χ^2/NDF: 14.7/32

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2313.576+/-314.718 χ^2/NDF: 20.6/35

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

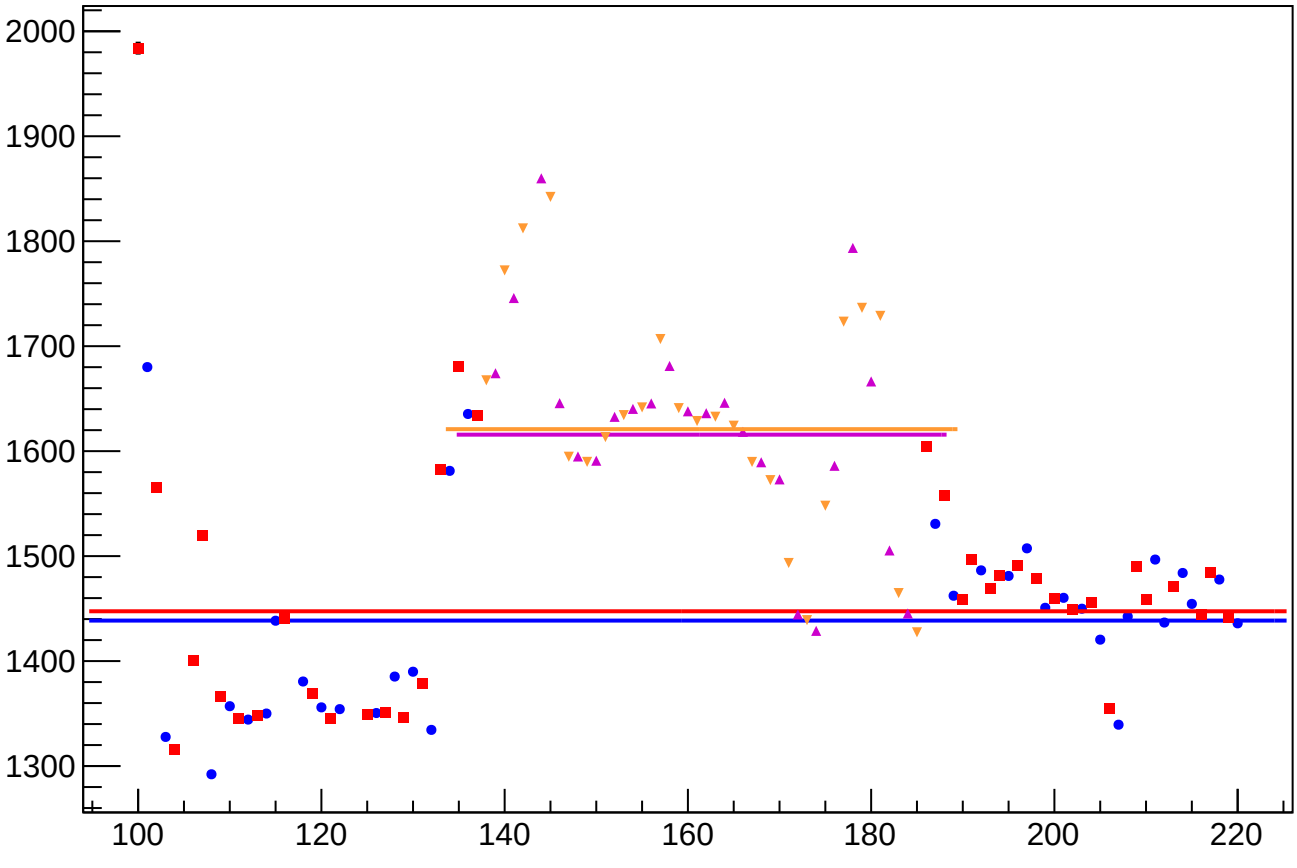
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2157.100+/-222.329 χ^2/NDF: 35.8/68

In: 2140.496+/-241.622 χ^2/NDF:33.2/55

Out: 1720.403+/-241.646 χ^2/NDF:69.0/59

All: 1930.471+/-170.861 χ^2/NDF: 103.8/115



Right In: 1438.583+/-0.222 χ^2/NDF: 129505.0/32

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.453+/-0.222 χ^2/NDF: 133094.0/35

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

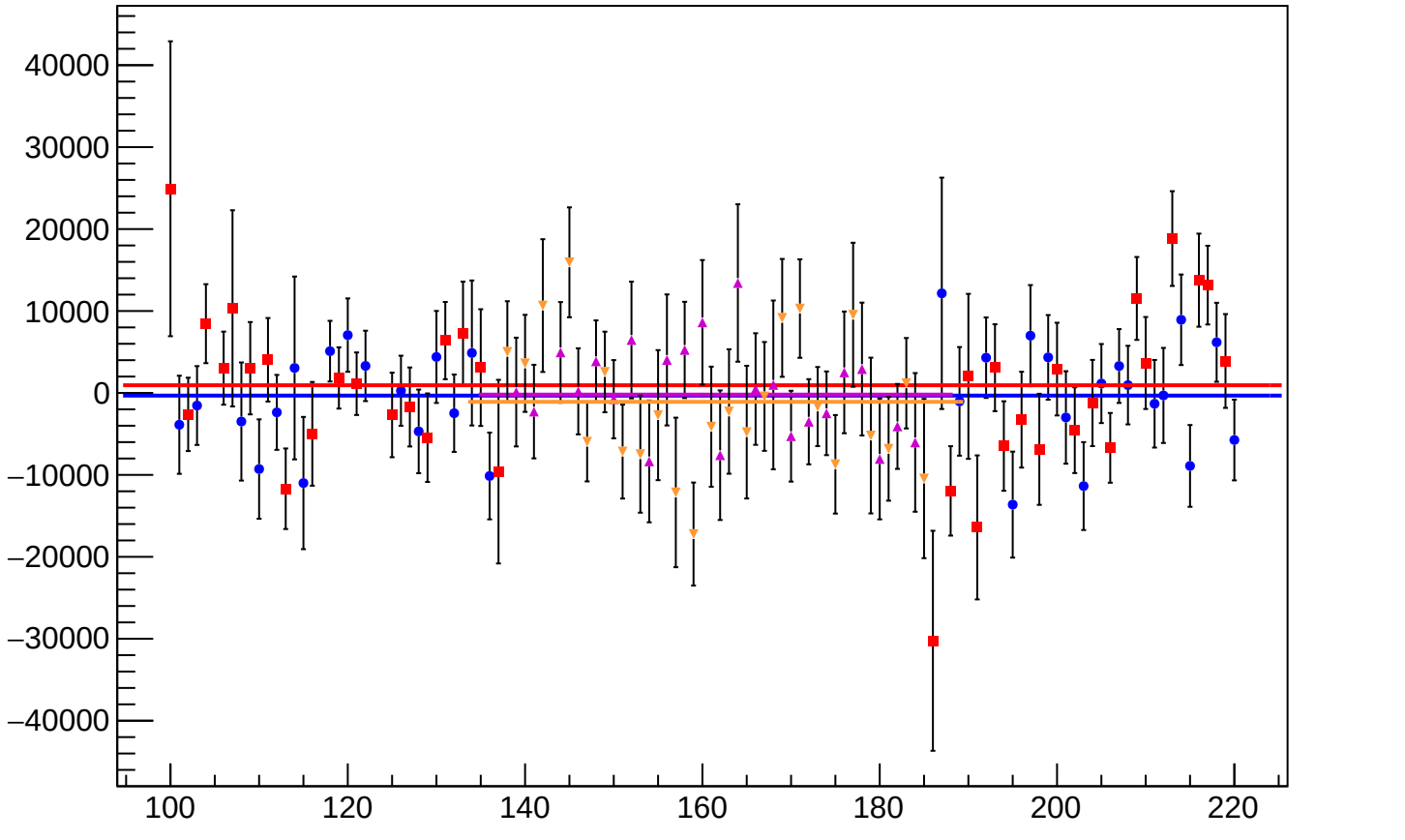
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1443.014+/-0.157 χ^2/NDF: 263395.7/68

In: 1510.910+/-0.171 χ^2/NDF:526300.7/55

Out: 1518.584+/-0.171 χ^2/NDF:524739.7/59

All: 1514.749+/-0.121 χ^2/NDF: 1052049.7/11



Right In: -322.577+/-926.681 χ^2/NDF: 38.1/32

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 940.113+/-917.132 χ^2/NDF: 68.6/35

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

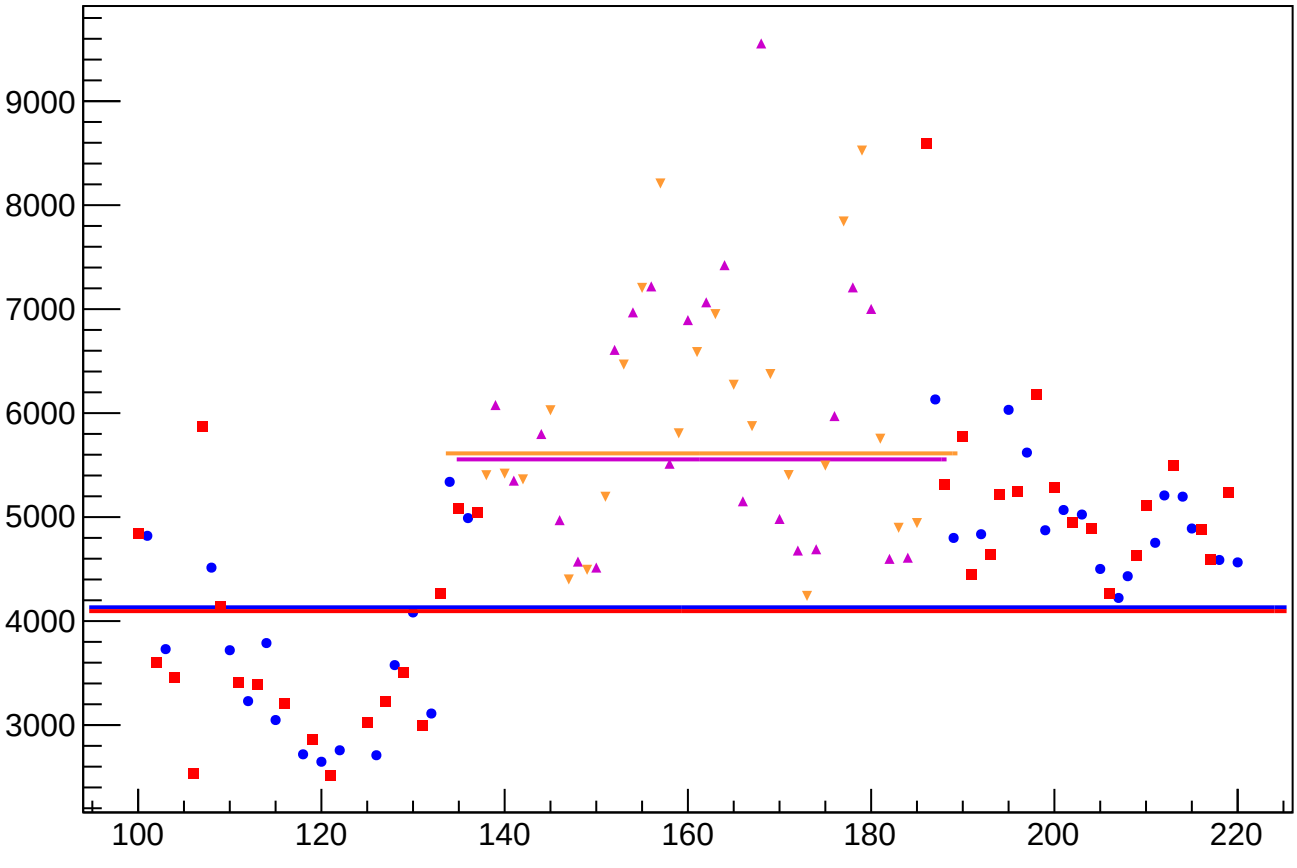
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: 315.307+/-651.860 χ^2/NDF: 107.6/68

In: -282.907+/-759.608 χ^2/NDF:51.0/55

Out: 289.968+/-755.463 χ^2/NDF:103.1/59

All: 5.098+/-535.652 χ^2/NDF: 154.4/115



Right In: 4132.378+/-0.655 χ^2/NDF: 2127162.8/32

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 4095.656+/-0.649 χ^2/NDF: 2655497.6/35

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

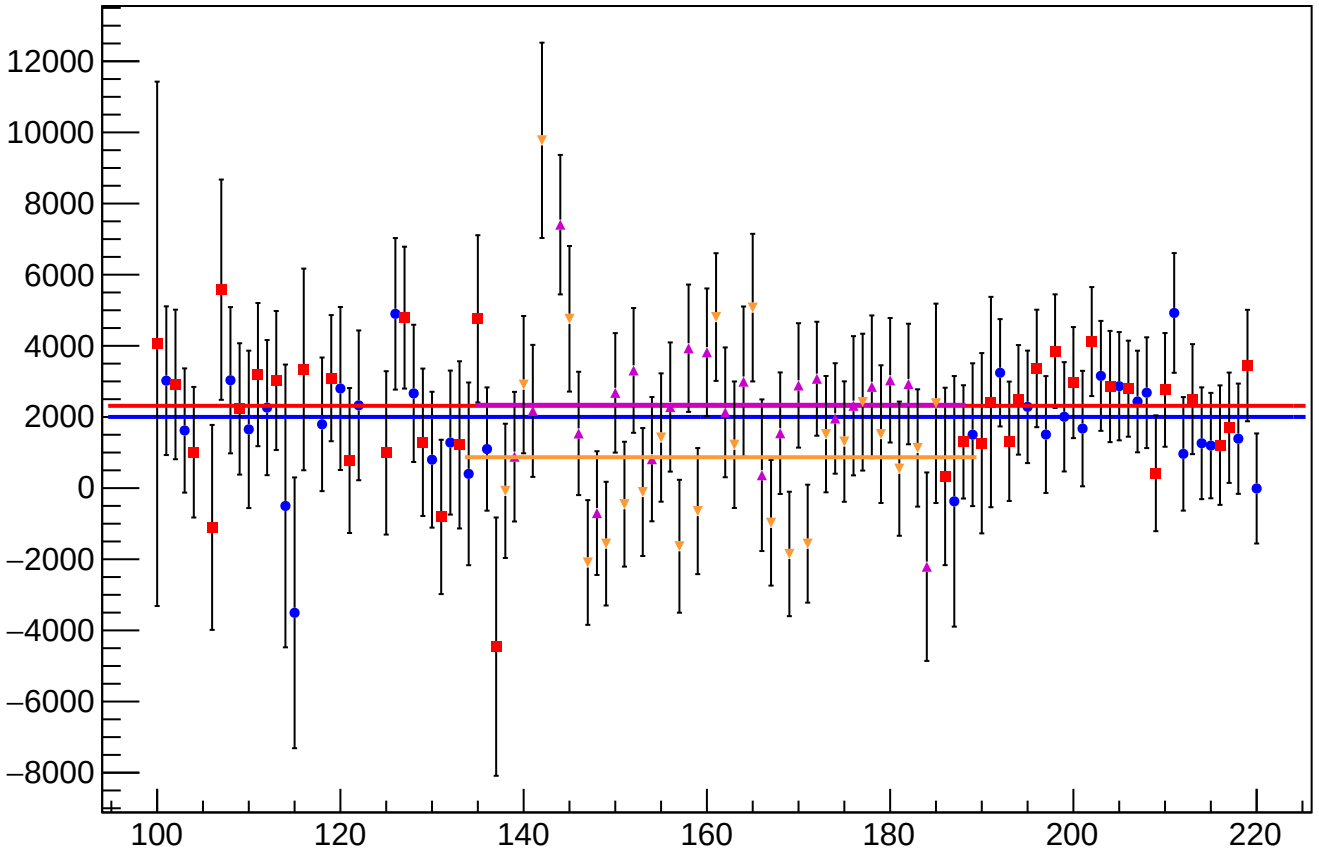
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 4113.827+/-0.461 χ^2/NDF: 4784246.9/68

In: 4599.086+/-0.537 χ^2/NDF:5006391.7/55

Out: 4583.366+/-0.534 χ^2/NDF:5602895.2/59

All: 4591.183+/-0.379 χ^2/NDF: 10609717.5/1



Right In: 2001.215+/-314.125 χ^2/NDF: 14.7/32

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2313.573+/-314.718 χ^2/NDF: 20.6/35

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

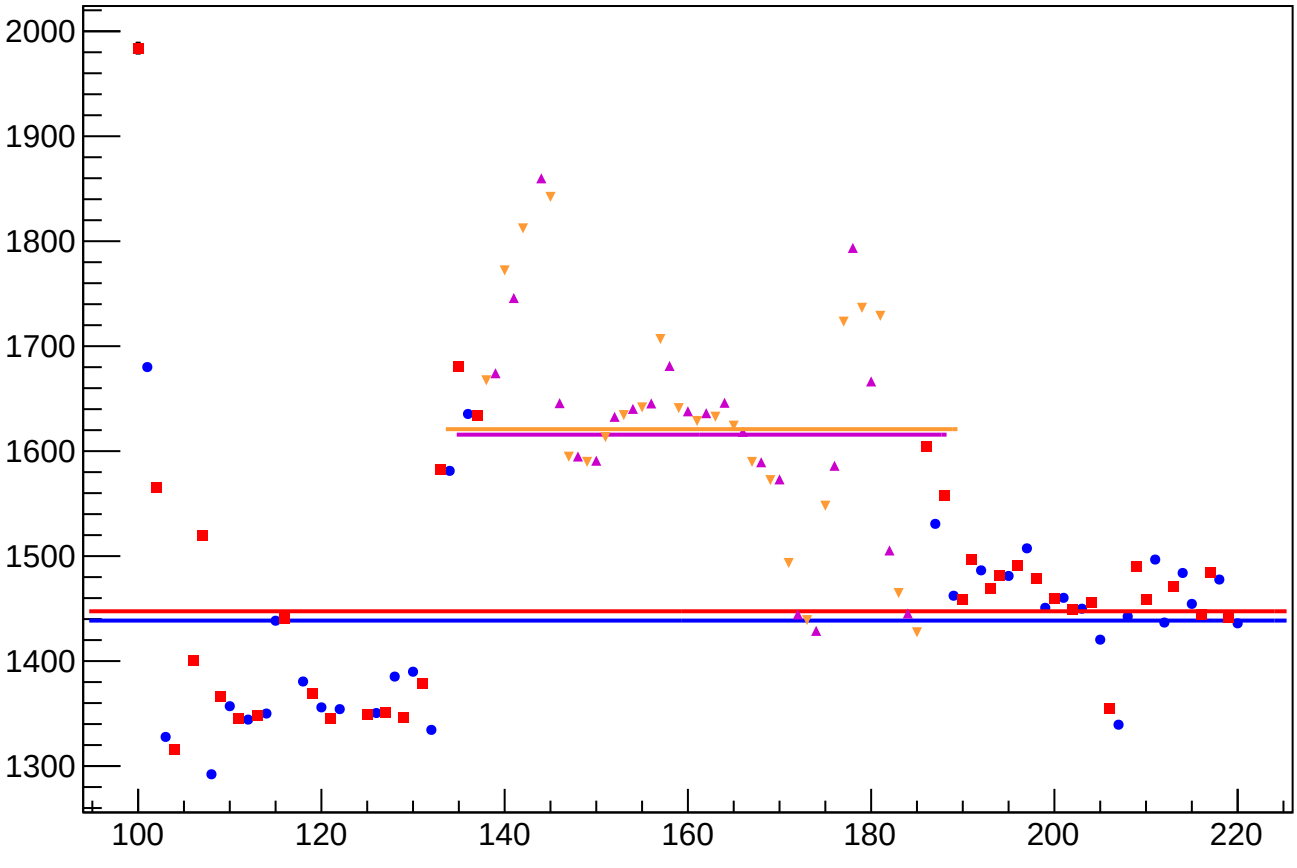
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2157.099+/-222.329 χ^2/NDF: 35.8/68

In: 2140.497+/-241.622 χ^2/NDF:33.2/55

Out: 1720.400+/-241.647 χ^2/NDF:69.0/59

All: 1930.470+/-170.861 χ^2/NDF: 103.8/115



Right In: 1438.583+/-0.222 χ^2/NDF: 129505.1/32

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1447.453+/-0.222 χ^2/NDF: 133094.3/35

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

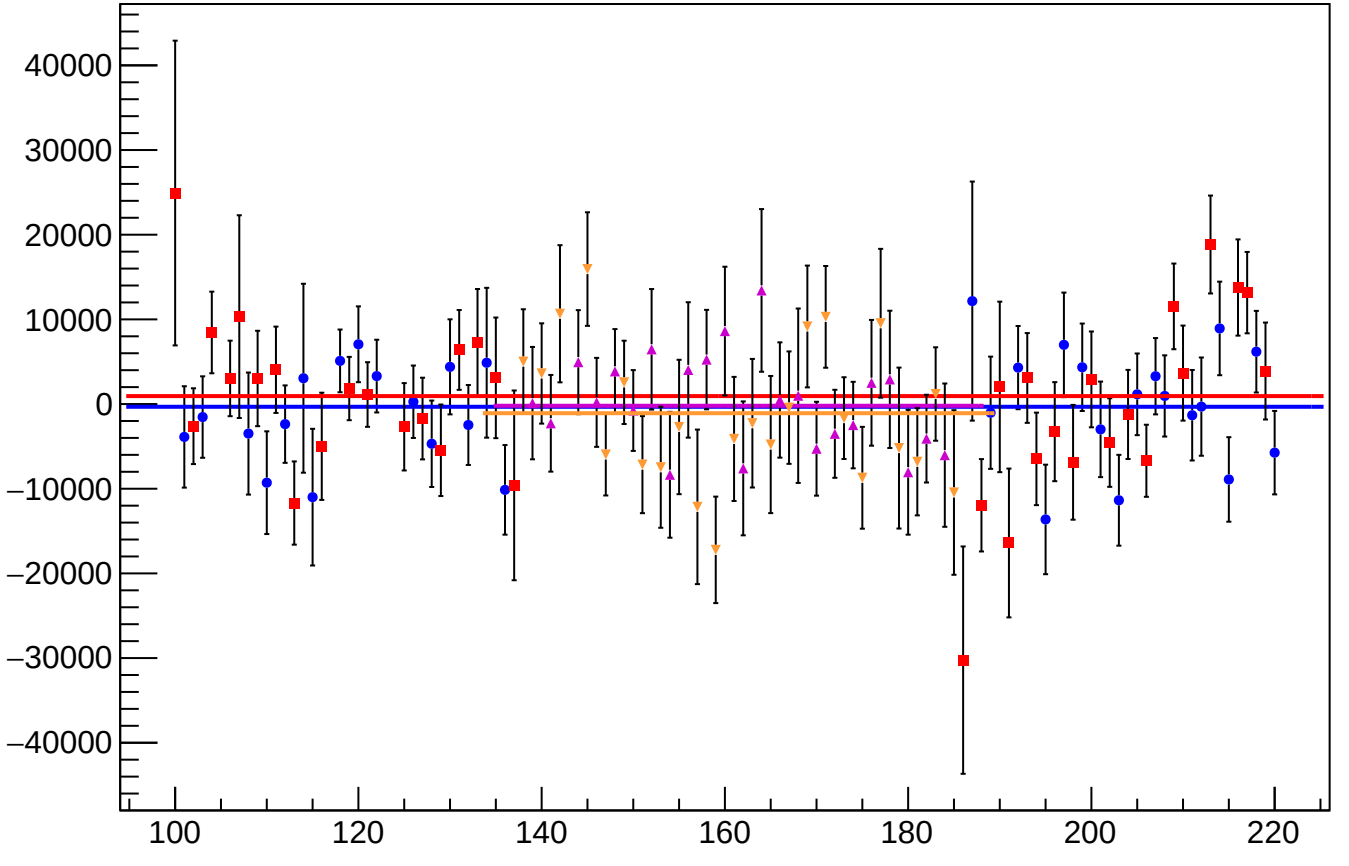
Right: 1443.014+/-0.157 χ^2/NDF: 263396.0/68

In: 1510.910+/-0.171 χ^2/NDF:526308.6/55

Out: 1518.584+/-0.171 χ^2/NDF:524748.4/59

All: 1514.749+/-0.121 χ^2/NDF: 1052066.2/11

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -322.571+/-926.681 χ^2/NDF: 38.1/32

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 940.114+/-917.131 χ^2/NDF: 68.6/35

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

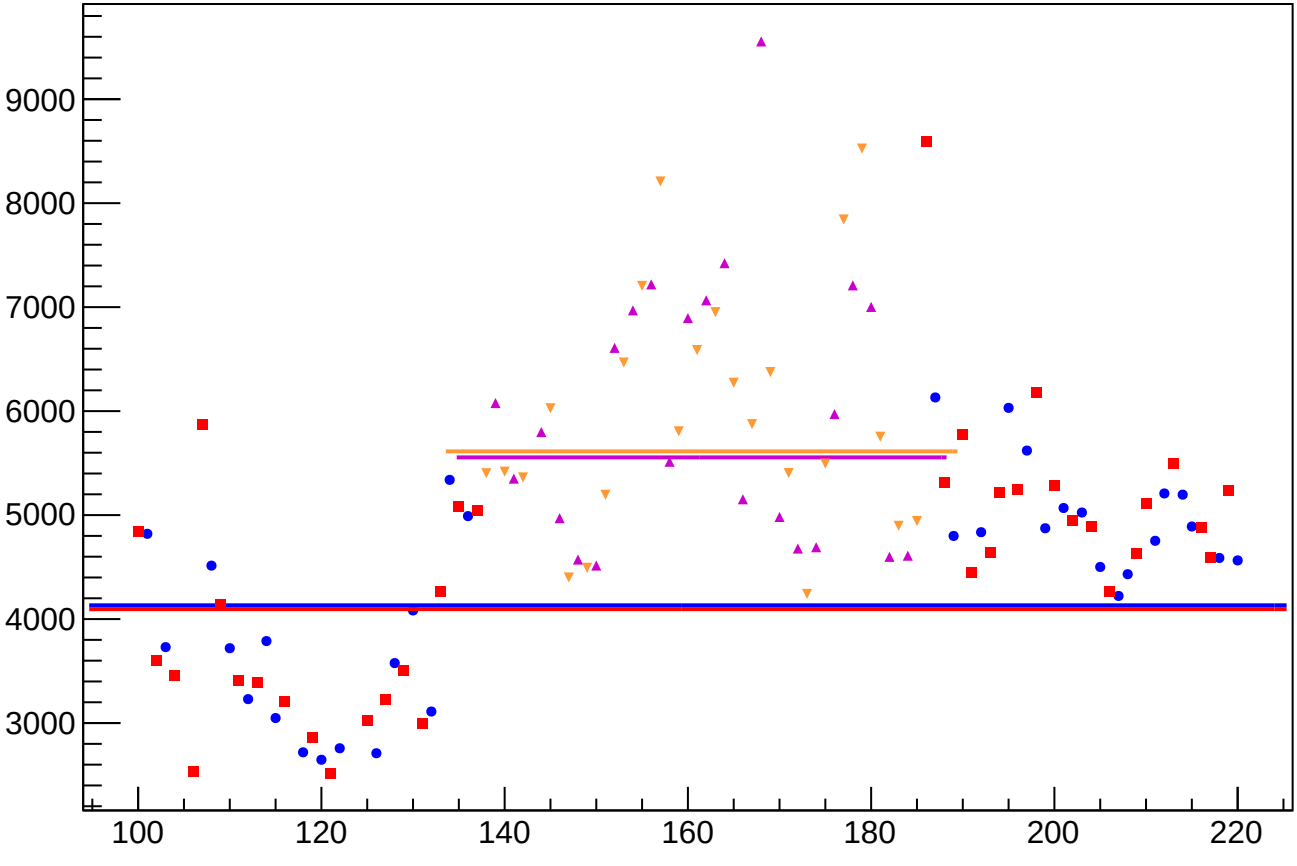
Right: 315.311+/-651.860 χ^2/NDF: 107.6/68

In: -282.904+/-759.608 χ^2/NDF:51.0/55

Out: 289.969+/-755.463 χ^2/NDF:103.1/59

All: 5.100+/-535.652 χ^2/NDF: 154.4/115

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4132.374+/-0.655 χ^2/NDF: 2127208.3/32

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 4095.650+/-0.649 χ^2/NDF: 2655536.0/35

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

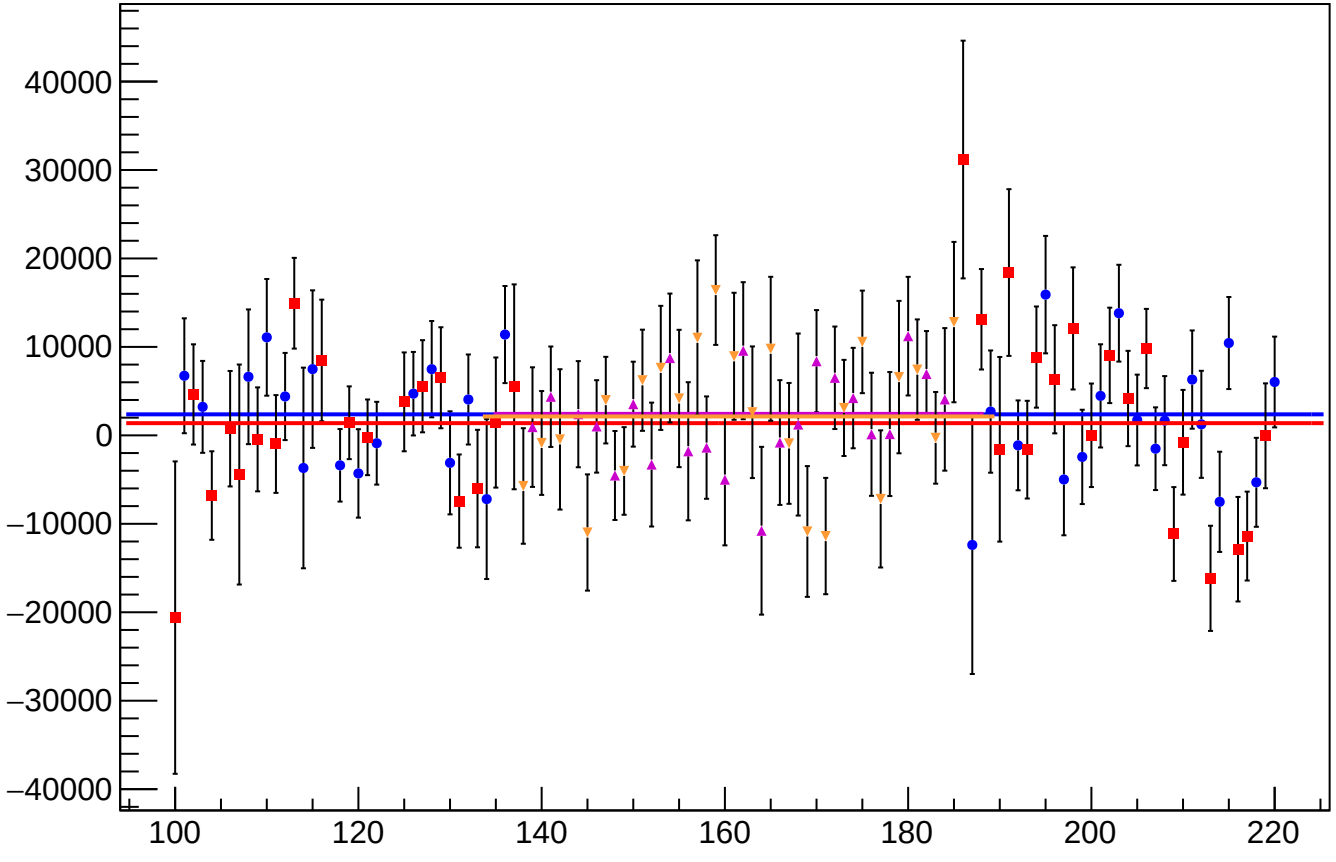
Right: 4113.822+/-0.461 χ^2/NDF: 4784331.1/68

In: 4599.085+/-0.537 χ^2/NDF:5006461.5/55

Out: 4583.364+/-0.534 χ^2/NDF:5602964.9/59

All: 4591.181+/-0.379 χ^2/NDF: 10609857.1/1

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2375.500+/-981.327 χ^2/NDF: 35.4/32

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 1379.341+/-986.293 χ^2/NDF: 69.3/35

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

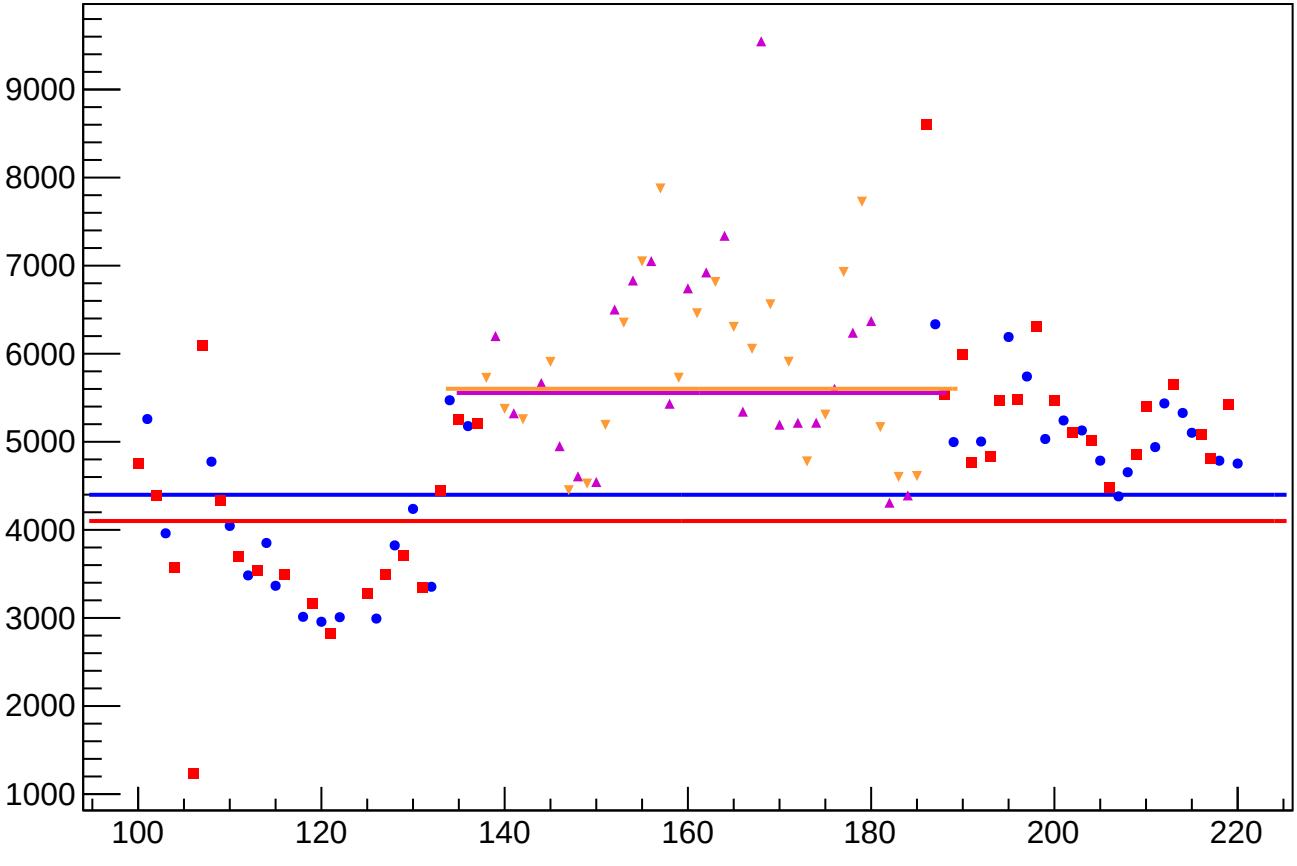
Right: 1879.934+/-695.652 χ^2/NDF: 105.2/68

In: 2394.189+/-787.768 χ^2/NDF:48.3/55

Out: 1650.042+/-791.036 χ^2/NDF:100.2/59

All: 2023.656+/-558.188 χ^2/NDF: 148.9/115

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4398.403+/-0.694 χ^2/NDF: 1712207.0/32

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 4100.570+/-0.666 χ^2/NDF: 4249971.4/35

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

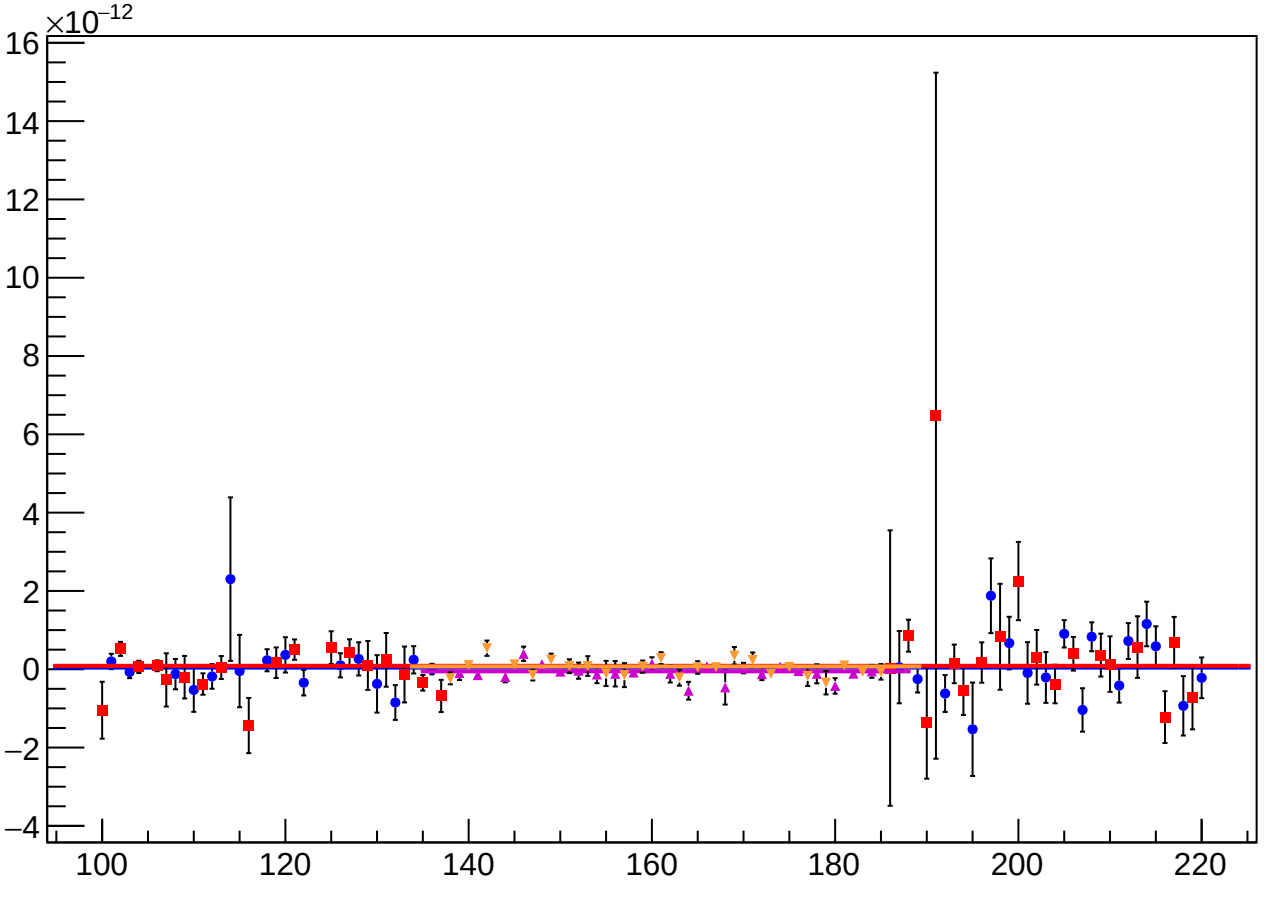
Right: 4243.300+/-0.480 χ^2/NDF: 6058117.4/68

In: 4809.330+/-0.557 χ^2/NDF:3810651.8/55

Out: 4604.616+/-0.543 χ^2/NDF:6898707.0/59

All: 4704.278+/-0.389 χ^2/NDF: 10778667.0/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 45.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 48.7/35

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

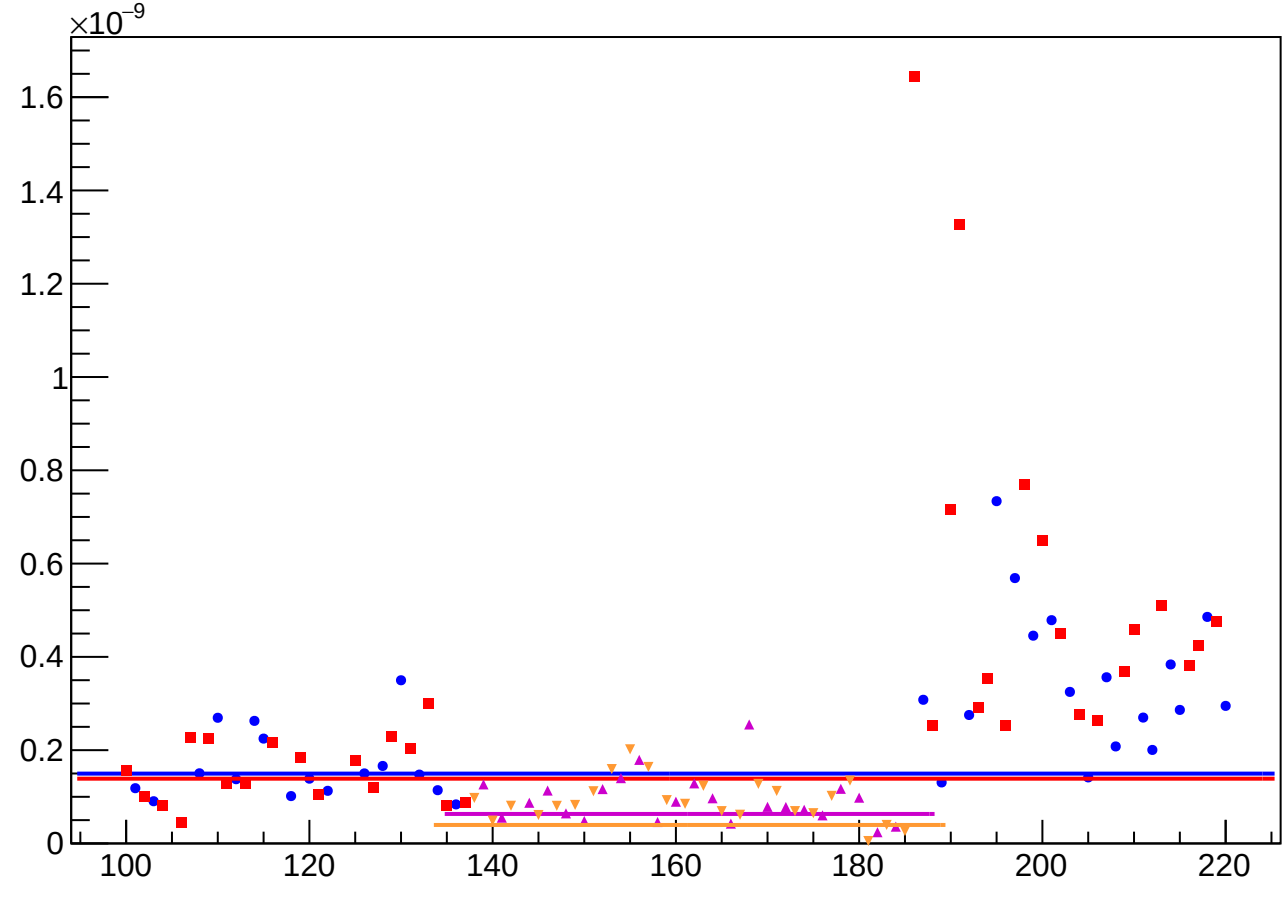
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 94.2/68

In: -0.000+/-0.000 χ^2/NDF:72.7/55

Out: 0.000+/-0.000 χ^2/NDF:77.0/59

All: 0.000+/-0.000 χ^2/NDF: 160.9/115



Right In: 0.000+/-0.000 χ^2/NDF: 4680778.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7128723.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

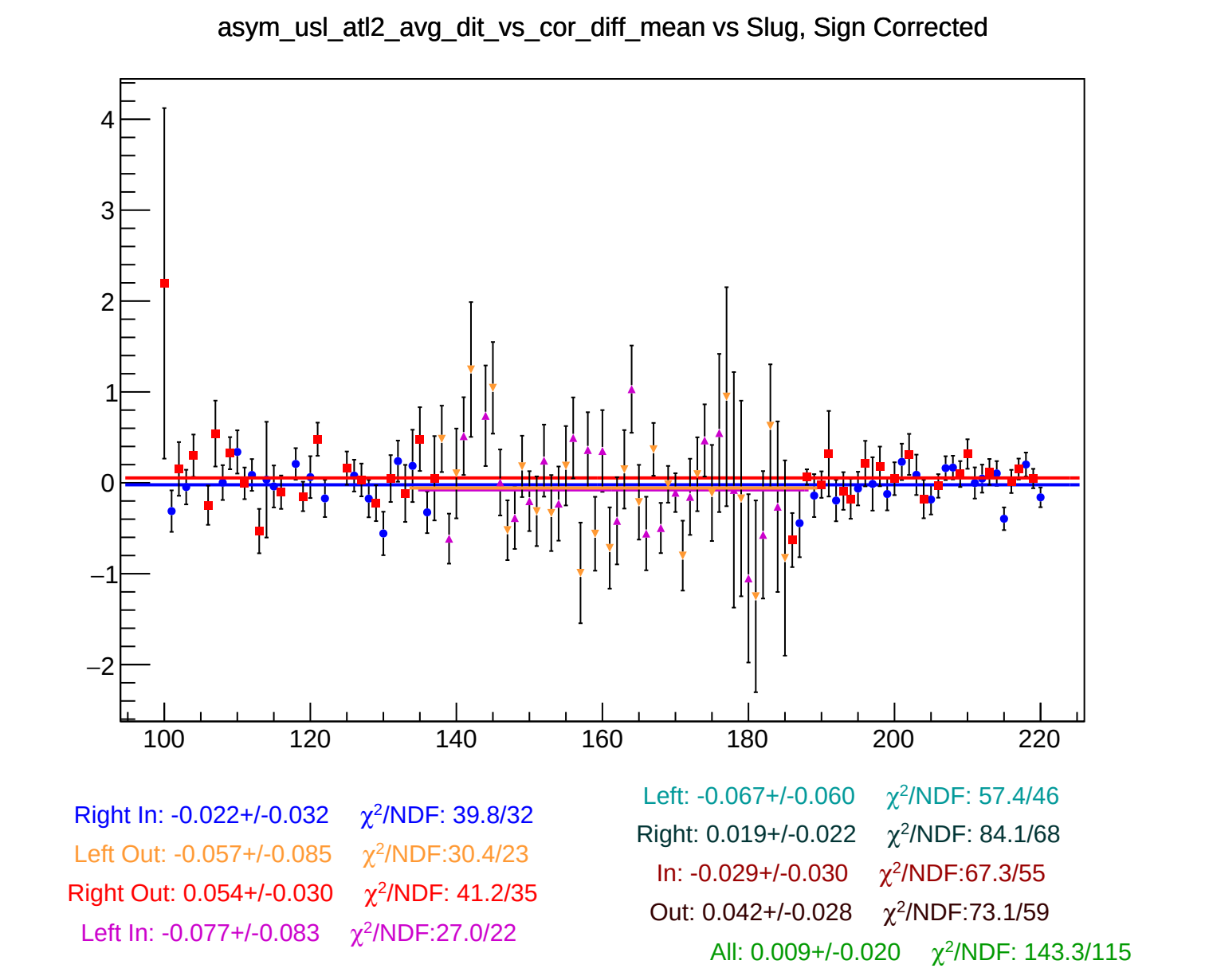
Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

Right: 0.000+/-0.000 χ^2/NDF: 11841320.0/68

In: 0.000+/-0.000 χ^2/NDF:10885203.3/55

Out: 0.000+/-0.000 χ^2/NDF:18859906.4/59

All: 0.000+/-0.000 χ^2/NDF: 31071986.3/115


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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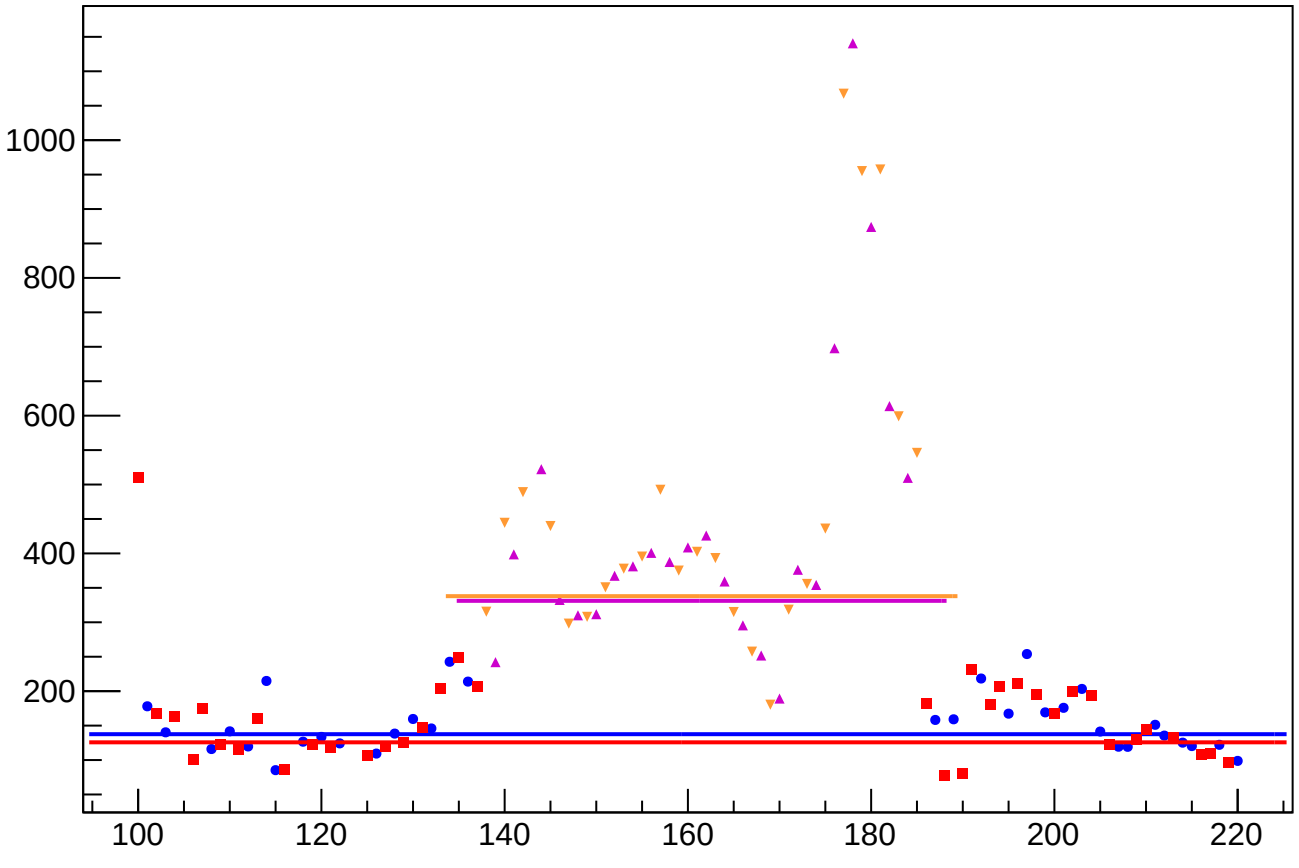
Right In: -0.022+/-0.032 χ²/NDF: 39.8/32
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.054+/-0.030 χ²/NDF: 41.2/35
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.019+/-0.022 χ²/NDF: 84.1/68
In: -0.029+/-0.030 χ²/NDF:67.3/55
Out: 0.042+/-0.028 χ²/NDF:73.1/59
All: 0.009+/-0.020 χ²/NDF: 143.3/115



Right In: 137.540+/-0.022 χ^2/NDF: 2073660.4/32

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 125.714+/-0.021 χ^2/NDF: 3503666.9/35

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

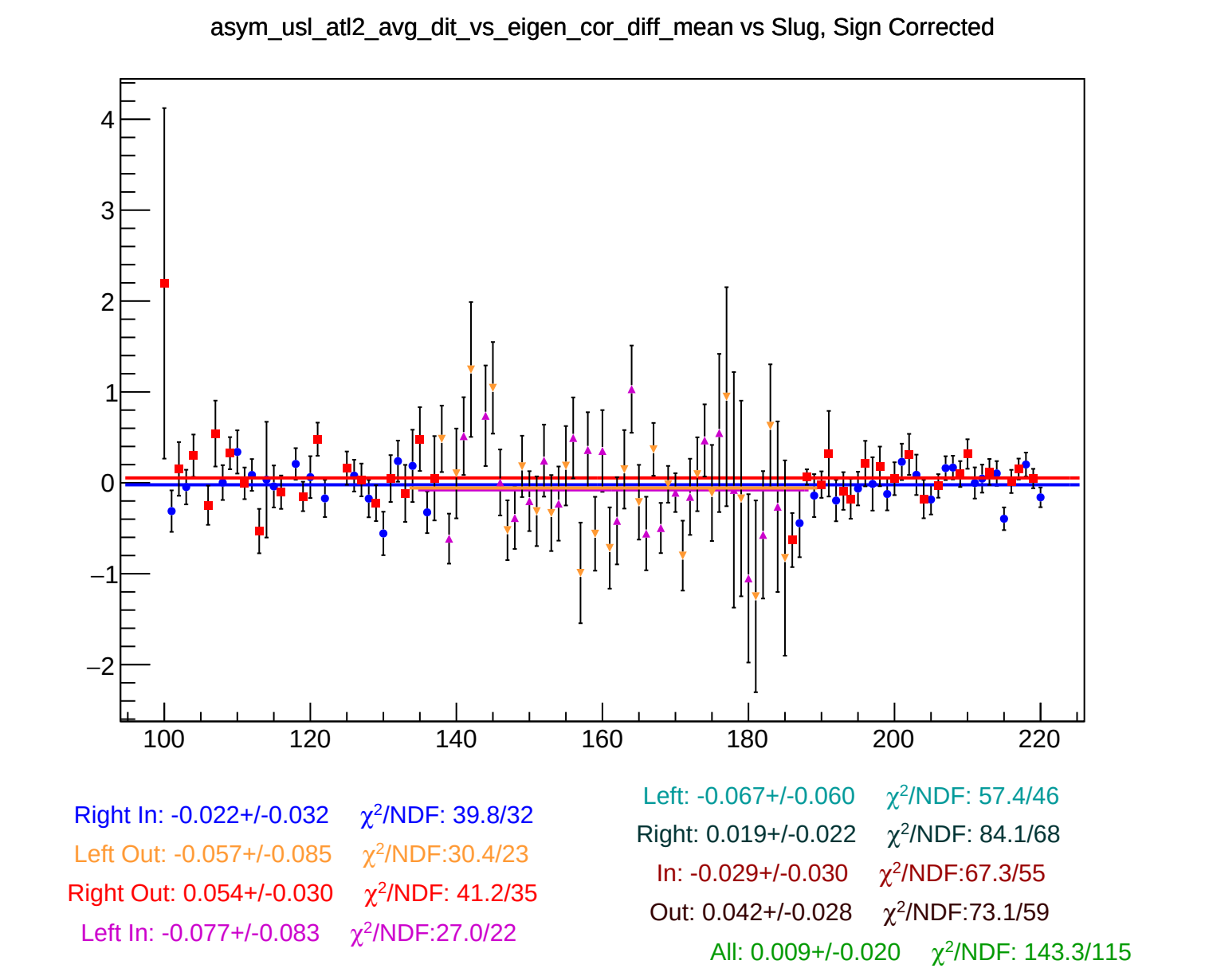
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 131.224+/-0.015 χ^2/NDF: 5725570.3/68

In: 162.034+/-0.021 χ^2/NDF:15593130.6/55

Out: 148.514+/-0.020 χ^2/NDF:19029316.3/59

All: 154.886+/-0.014 χ^2/NDF: 34842029.9/11


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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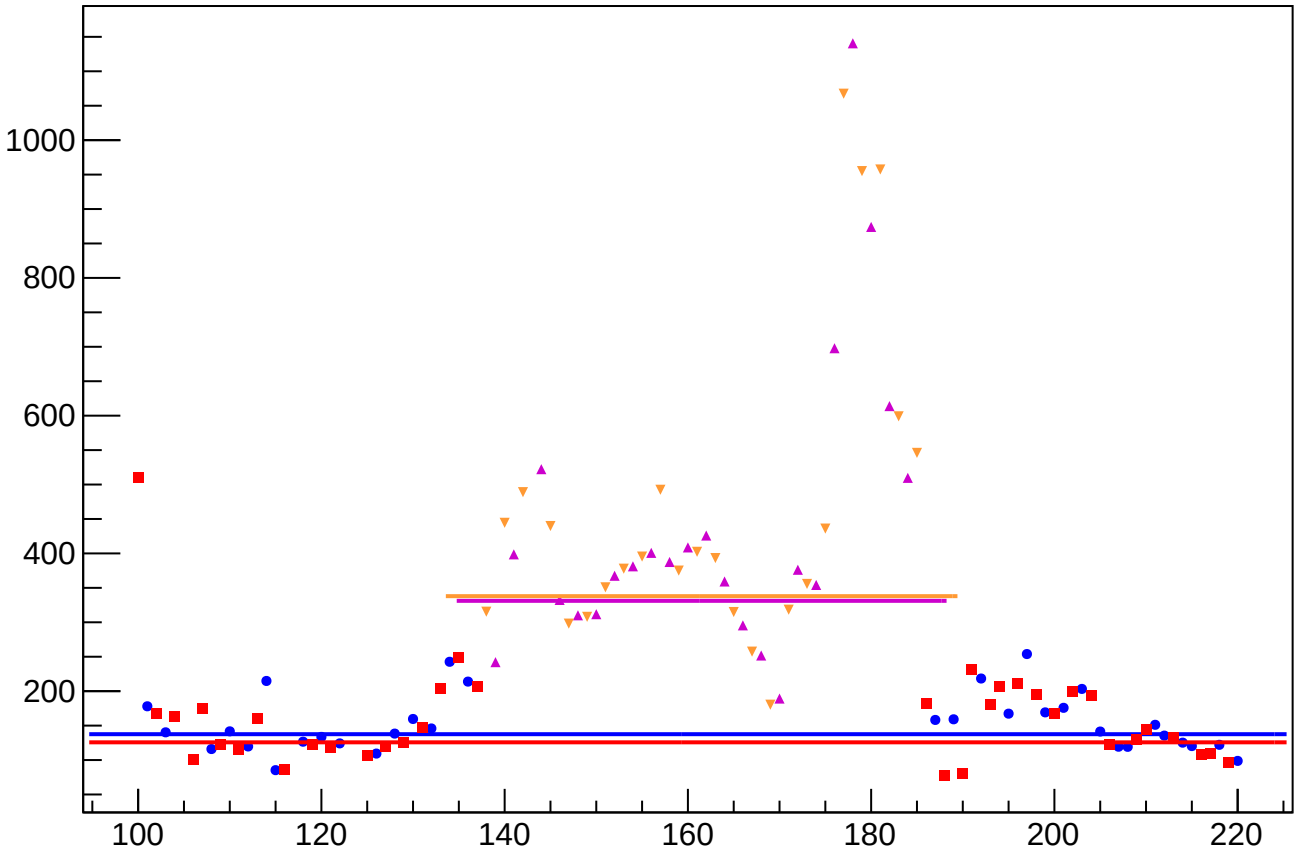
Right In: -0.022+/-0.032 χ²/NDF: 39.8/32
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.054+/-0.030 χ²/NDF: 41.2/35
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.019+/-0.022 χ²/NDF: 84.1/68
In: -0.029+/-0.030 χ²/NDF:67.3/55
Out: 0.042+/-0.028 χ²/NDF:73.1/59
All: 0.009+/-0.020 χ²/NDF: 143.3/115



Right In: 137.540+/-0.022 χ^2/NDF: 2073660.4/32

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 125.714+/-0.021 χ^2/NDF: 3503666.9/35

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

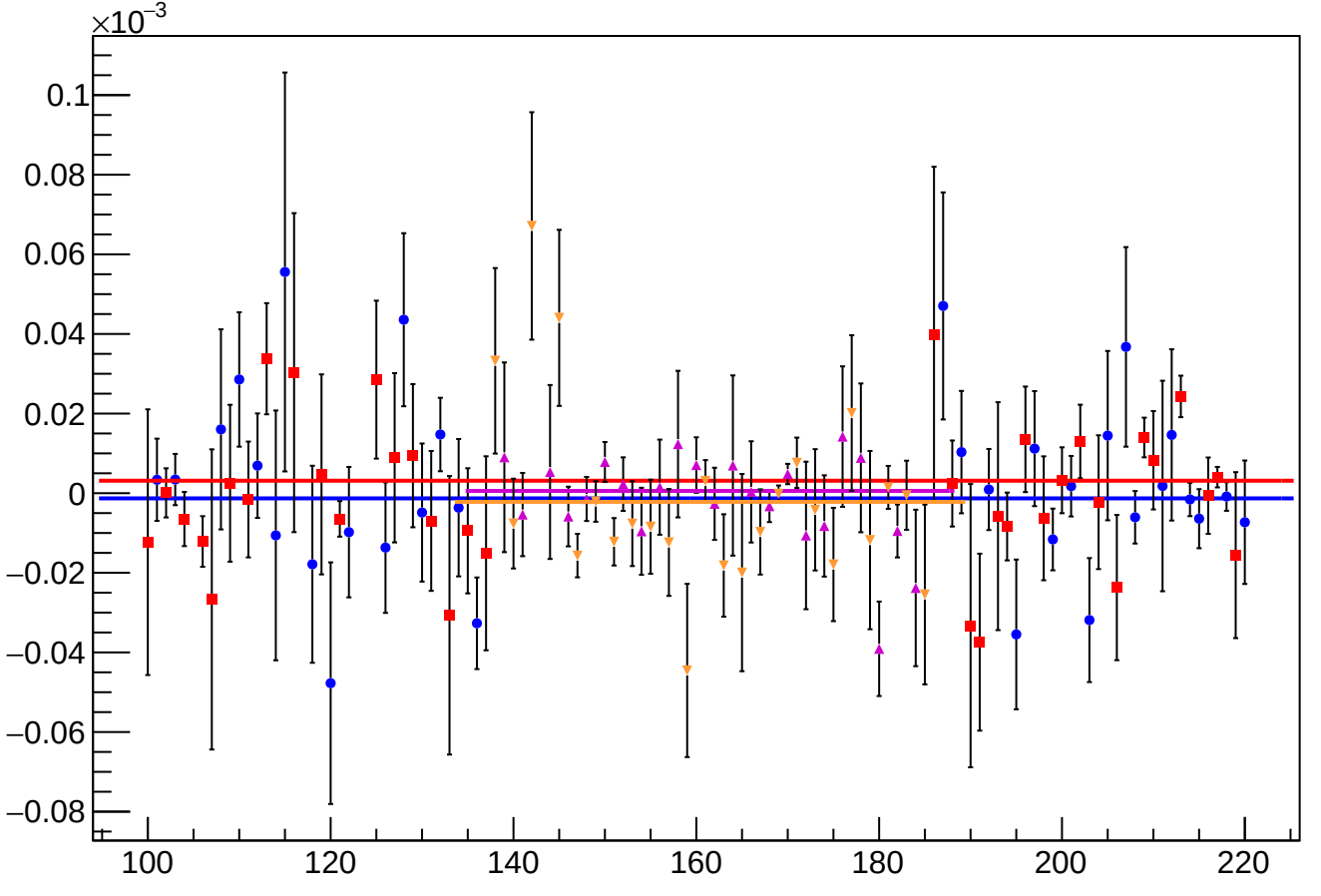
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 131.224+/-0.015 χ^2/NDF: 5725570.3/68

In: 162.034+/-0.021 χ^2/NDF:15593130.6/55

Out: 148.514+/-0.020 χ^2/NDF:19029316.3/59

All: 154.886+/-0.014 χ^2/NDF: 34842029.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 42.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 57.1/35

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

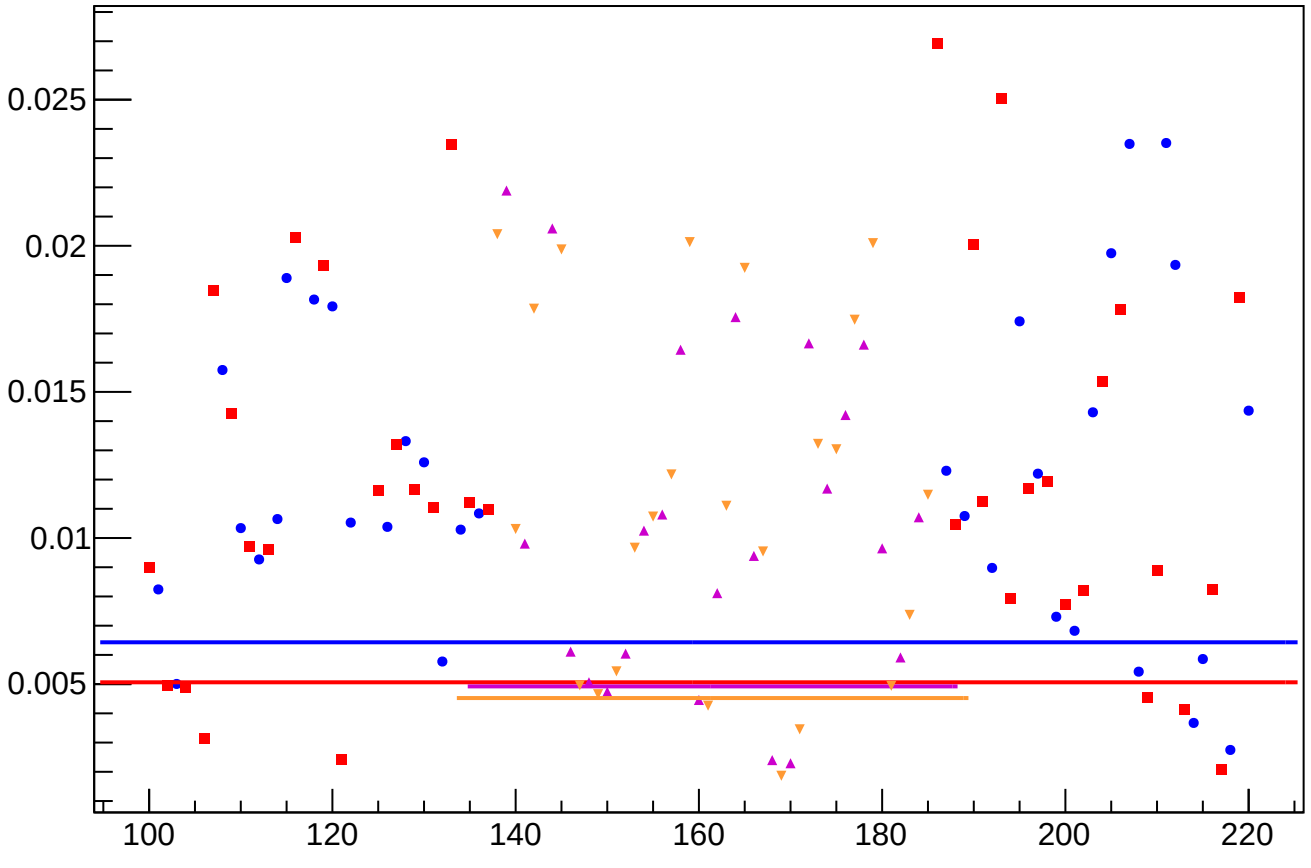
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: 0.000+/-0.000 χ^2/NDF: 103.4/68

In: -0.000+/-0.000 χ^2/NDF:69.3/55

Out: 0.000+/-0.000 χ^2/NDF:101.9/59

All: 0.000+/-0.000 χ^2/NDF: 171.4/115



Right In: 0.006+/-0.000 χ^2/NDF: 11359241.4/32

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14730882.3/35

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

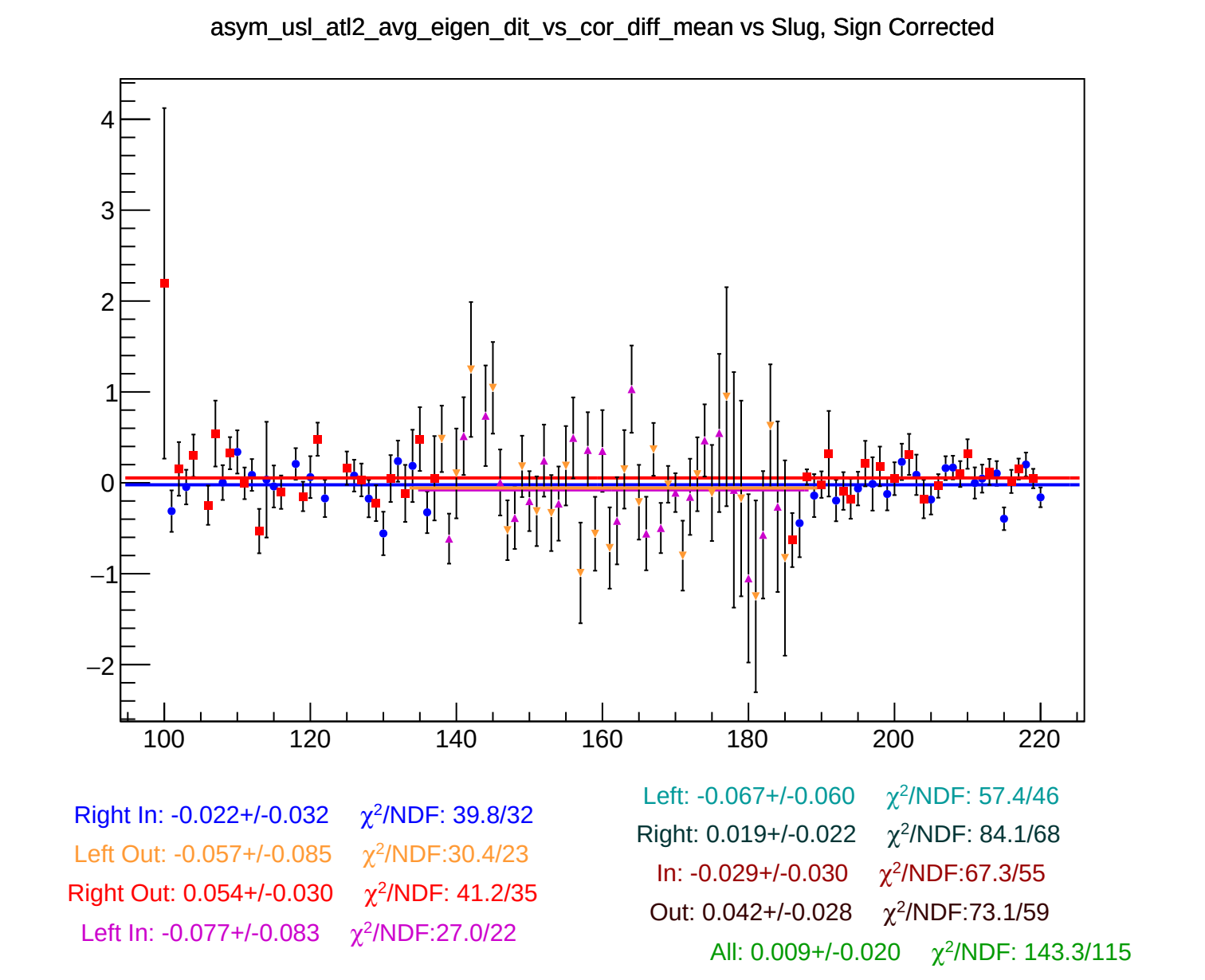
Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

Right: 0.006+/-0.000 χ^2/NDF: 26822616.0/68

In: 0.006+/-0.000 χ^2/NDF:23855492.0/55

Out: 0.005+/-0.000 χ^2/NDF:29113166.4/59

All: 0.005+/-0.000 χ^2/NDF: 53499931.2/115


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
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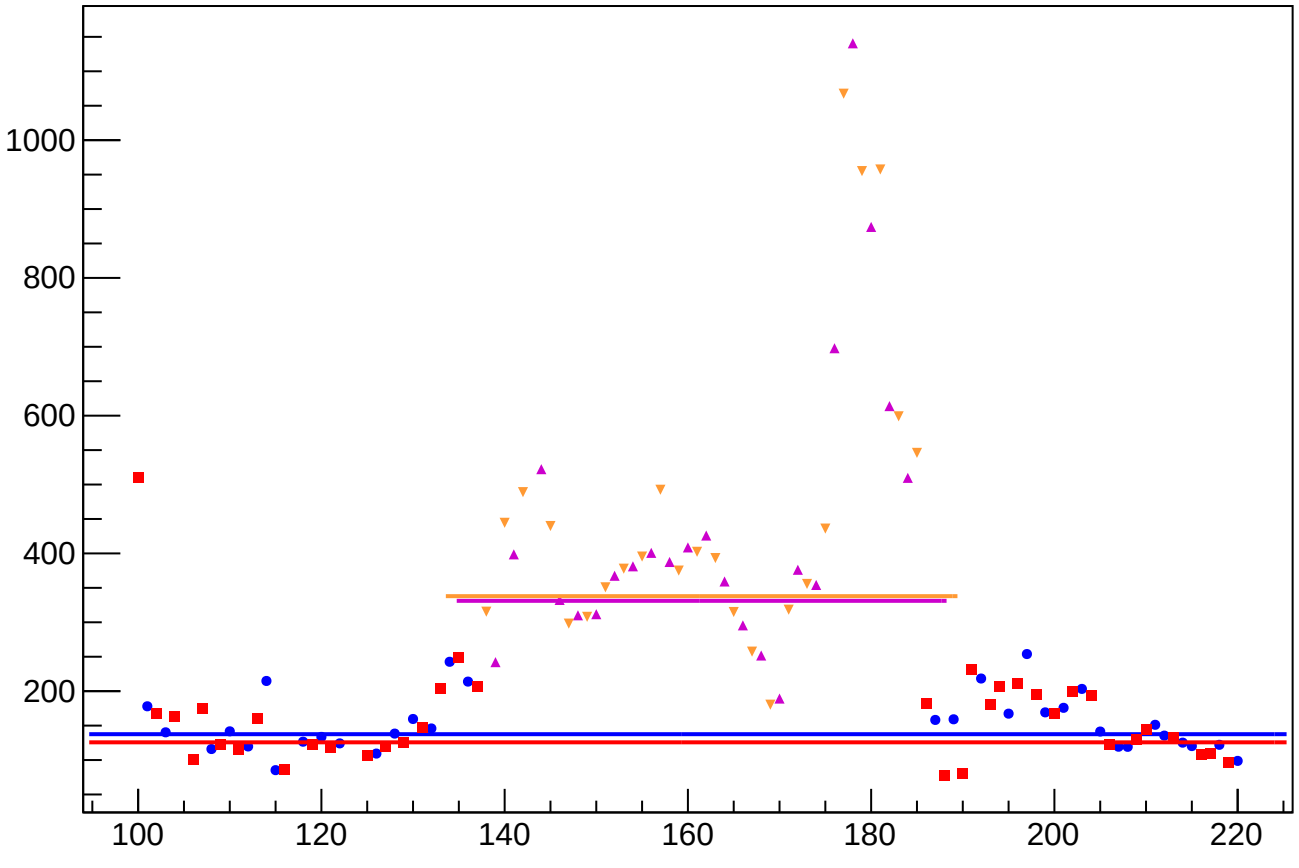
Right In: -0.022+/-0.032 χ²/NDF: 39.8/32
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.054+/-0.030 χ²/NDF: 41.2/35
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.019+/-0.022 χ²/NDF: 84.1/68
In: -0.029+/-0.030 χ²/NDF:67.3/55
Out: 0.042+/-0.028 χ²/NDF:73.1/59
All: 0.009+/-0.020 χ²/NDF: 143.3/115



Right In: 137.540+/-0.022 χ^2/NDF: 2073624.9/32

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

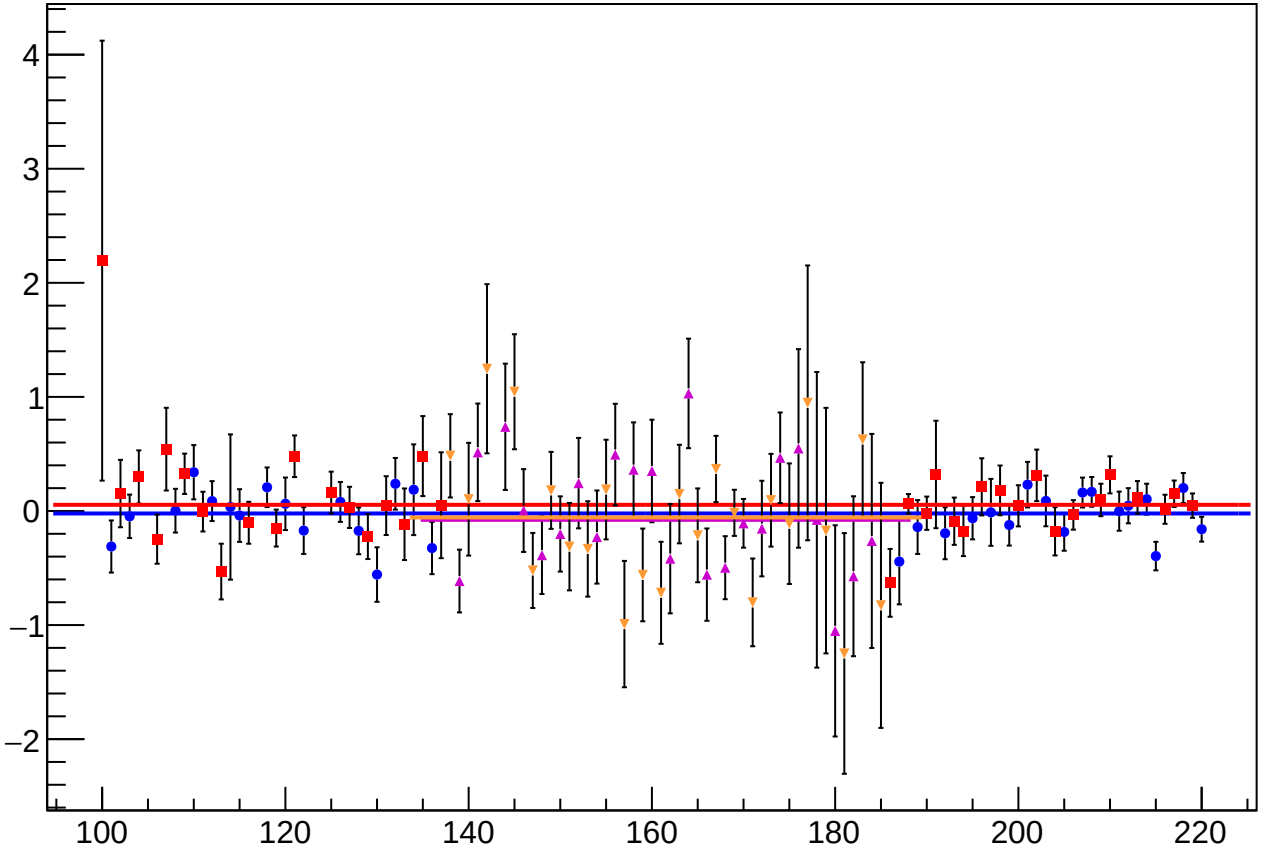
Right: 131.223+/-0.015 χ^2/NDF: 5725711.3/68

In: 162.035+/-0.021 χ^2/NDF:15593173.9/55

Out: 148.513+/-0.020 χ^2/NDF:19029726.3/59

All: 154.886+/-0.014 χ^2/NDF: 34842545.7/11

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.032 χ^2/NDF: 39.8/32

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.054+/-0.030 χ^2/NDF: 41.2/35

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

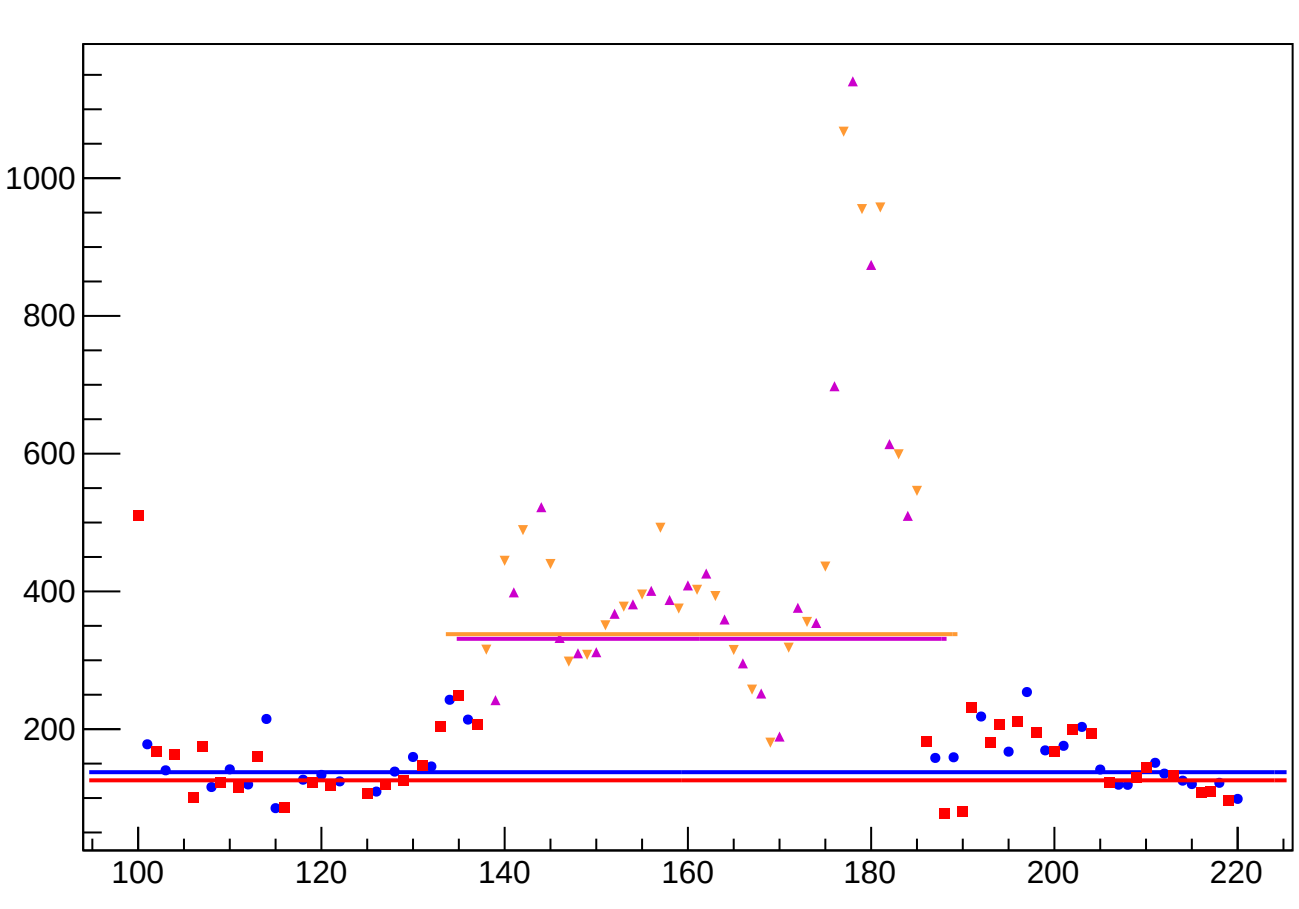
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.019+/-0.022 χ^2/NDF: 84.1/68

In: -0.029+/-0.030 χ^2/NDF:67.3/55

Out: 0.042+/-0.028 χ^2/NDF:73.1/59

All: 0.009+/-0.020 χ^2/NDF: 143.3/115



Right In: 137.540+/-0.022 χ^2/NDF: 2073624.9/32

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

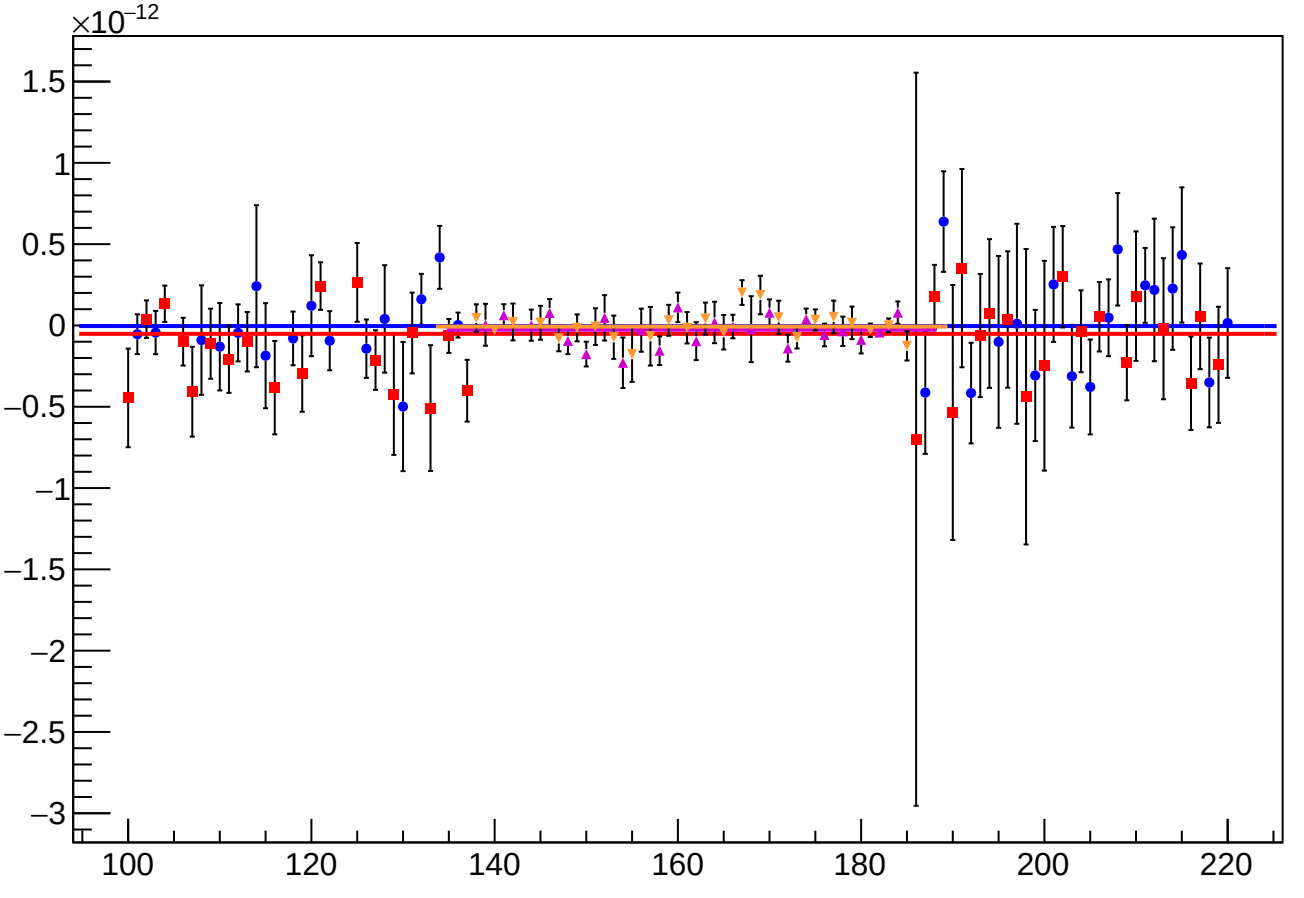
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 131.223+/-0.015 χ^2/NDF: 5725711.3/68

In: 162.035+/-0.021 χ^2/NDF:15593173.9/55

Out: 148.513+/-0.020 χ^2/NDF:19029726.3/59

All: 154.886+/-0.014 χ^2/NDF: 34842545.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/35

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

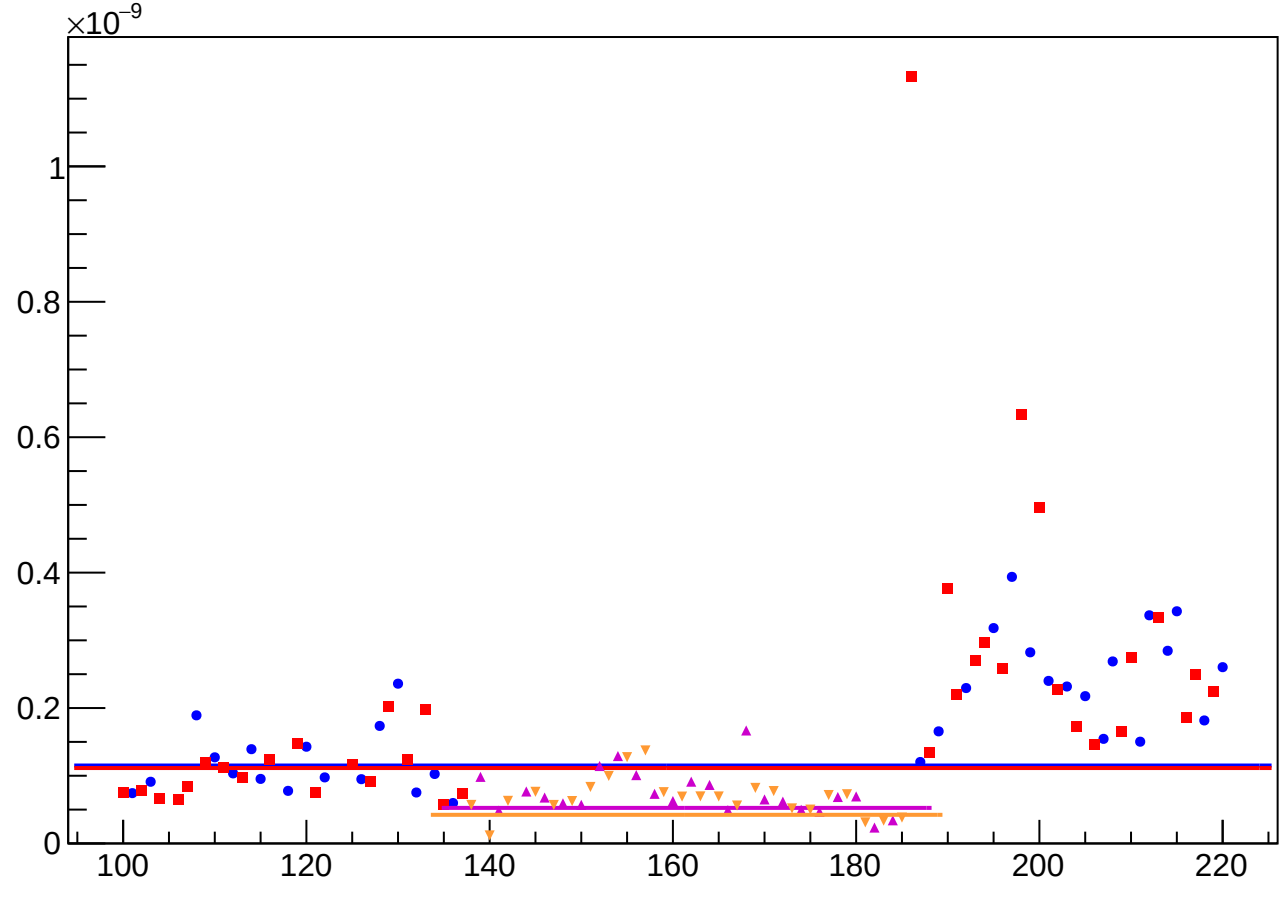
Right: -0.000+/-0.000 χ^2/NDF: 56.9/68

In: -0.000+/-0.000 χ^2/NDF:50.3/55

Out: -0.000+/-0.000 χ^2/NDF:48.2/59

All: -0.000+/-0.000 χ^2/NDF: 98.8/115

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6654342.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6917797.9/35

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

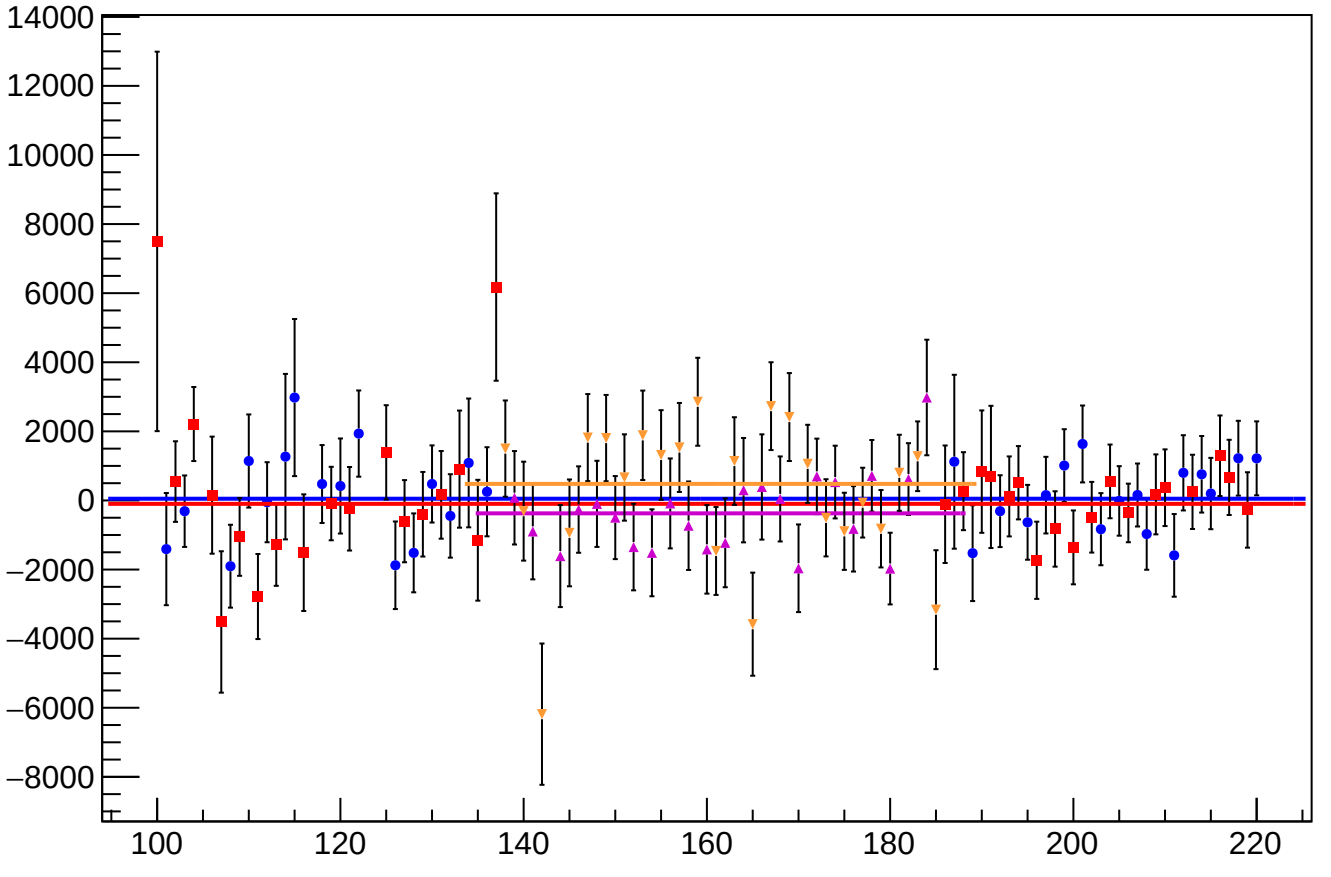
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 13582192.2/68

In: 0.000+/-0.000 χ^2/NDF:16245052.1/55

Out: 0.000+/-0.000 χ^2/NDF:19682557.5/59

All: 0.000+/-0.000 χ^2/NDF: 36528930.7/115



Right In: 50.104+/-206.549 χ^2/NDF: 25.2/32

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -98.125+/-206.015 χ^2/NDF: 32.2/35

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

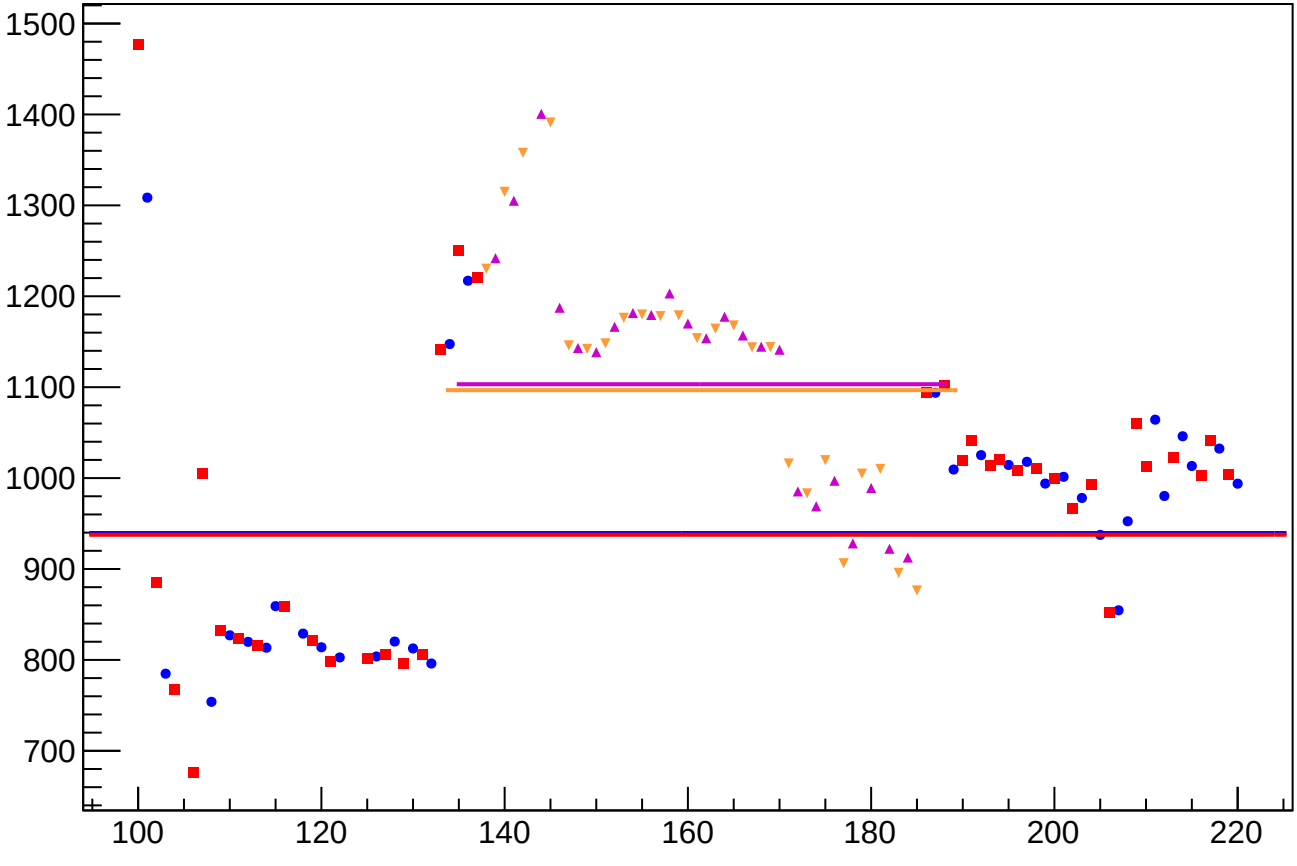
Right: -24.202+/-145.863 χ^2/NDF: 57.7/68

In: -114.104+/-161.561 χ^2/NDF:42.9/55

Out: 128.586+/-160.580 χ^2/NDF:80.4/59

All: 7.980+/-113.893 χ^2/NDF: 124.5/115

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 939.580+/-0.146 χ^2/NDF: 666481.4/32

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 937.665+/-0.145 χ^2/NDF: 692054.7/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

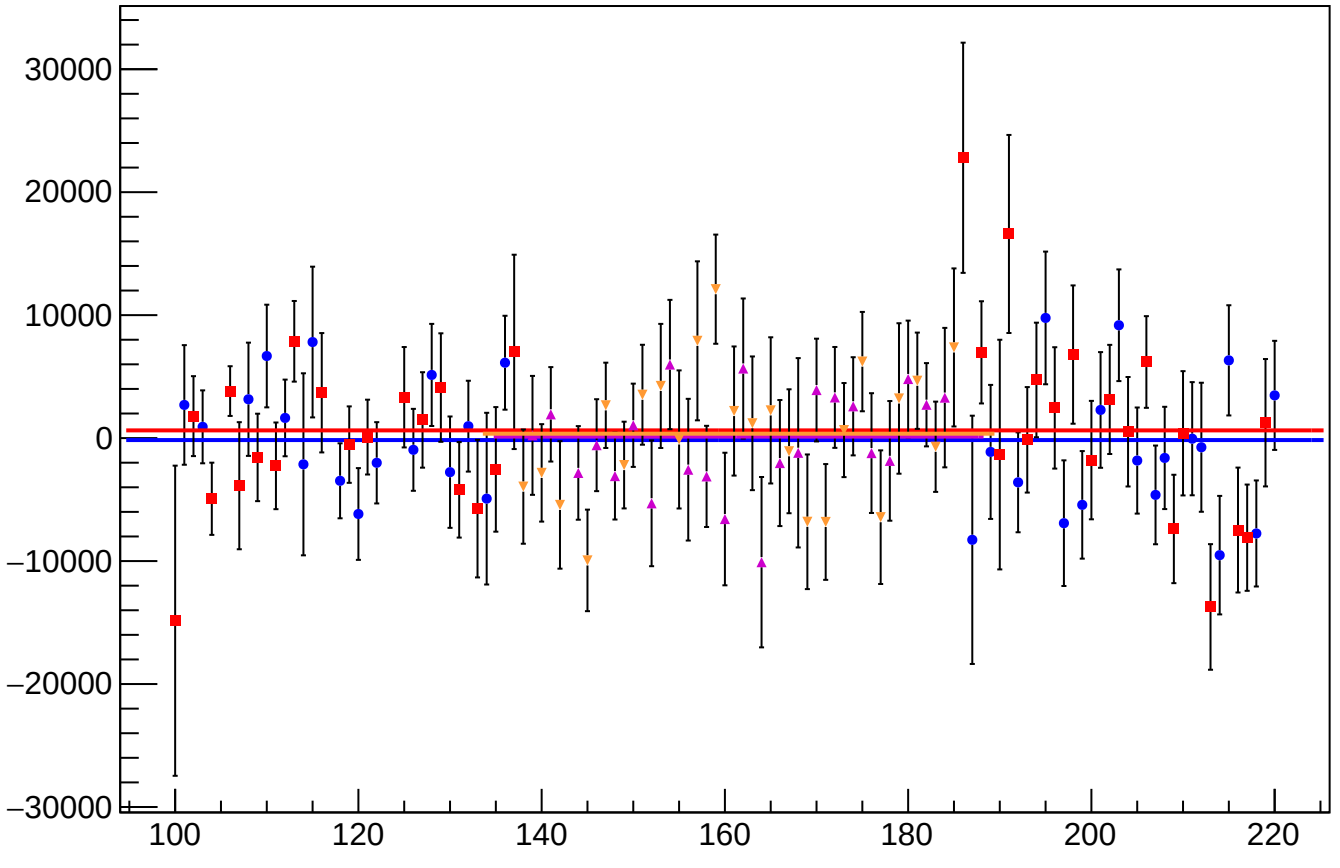
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 938.615+/-0.103 χ^2/NDF: 1358622.6/68

In: 1003.124+/-0.114 χ^2/NDF:1601674.3/55

Out: 999.694+/-0.113 χ^2/NDF:1642233.8/59

All: 1001.393+/-0.080 χ^2/NDF: 3244362.8/11



Right In: -159.313+/-742.090 χ^2/NDF: 38.8/32

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 627.790+/-693.249 χ^2/NDF: 54.7/35

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

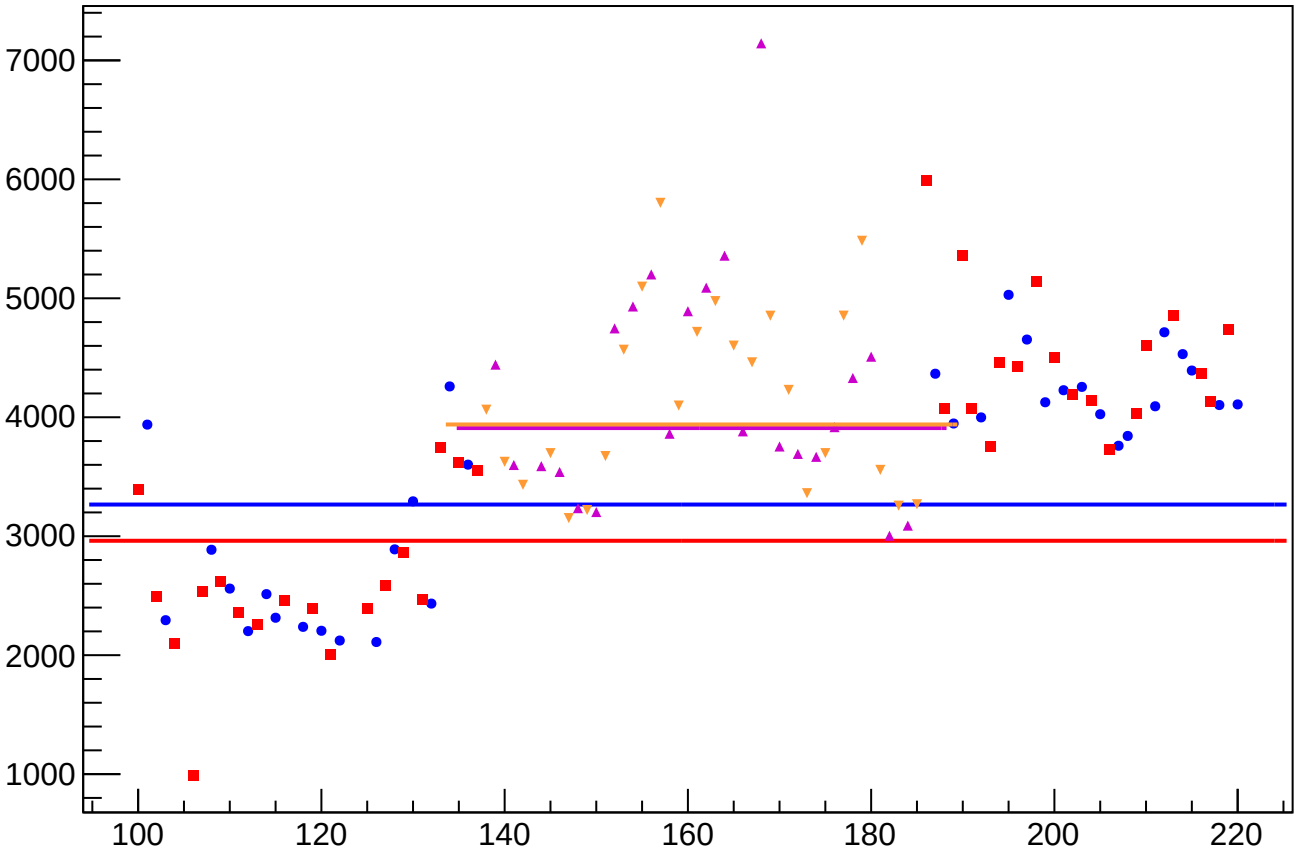
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 260.991+/-506.588 χ^2/NDF: 94.1/68

In: -48.435+/-580.696 χ^2/NDF:52.6/55

Out: 531.889+/-556.713 χ^2/NDF:85.0/59

All: 253.958+/-401.867 χ^2/NDF: 138.1/115



Right In: 3266.263+/-0.525 χ^2/NDF: 3164507.5/32

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2961.645+/-0.490 χ^2/NDF: 5761764.6/35

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

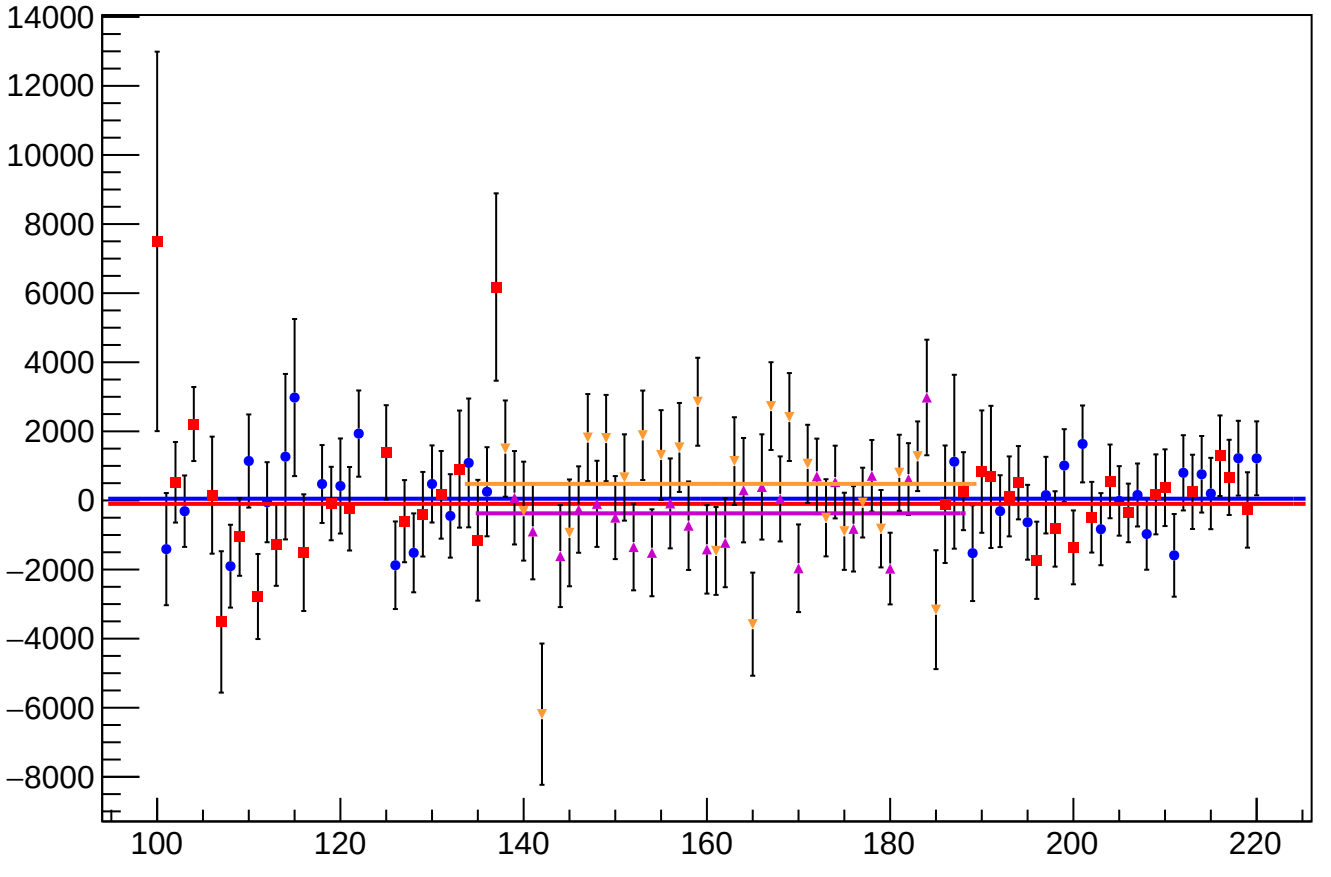
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 3103.601+/-0.358 χ^2/NDF: 9106225.8/68

In: 3515.486+/-0.411 χ^2/NDF:5047153.4/55

Out: 3308.808+/-0.394 χ^2/NDF:8266816.3/59

All: 3407.791+/-0.284 χ^2/NDF: 13445984.8/1



Right In: 50.110+/-206.549 χ^2/NDF: 25.2/32

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -98.812+/-206.017 χ^2/NDF: 32.2/35

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

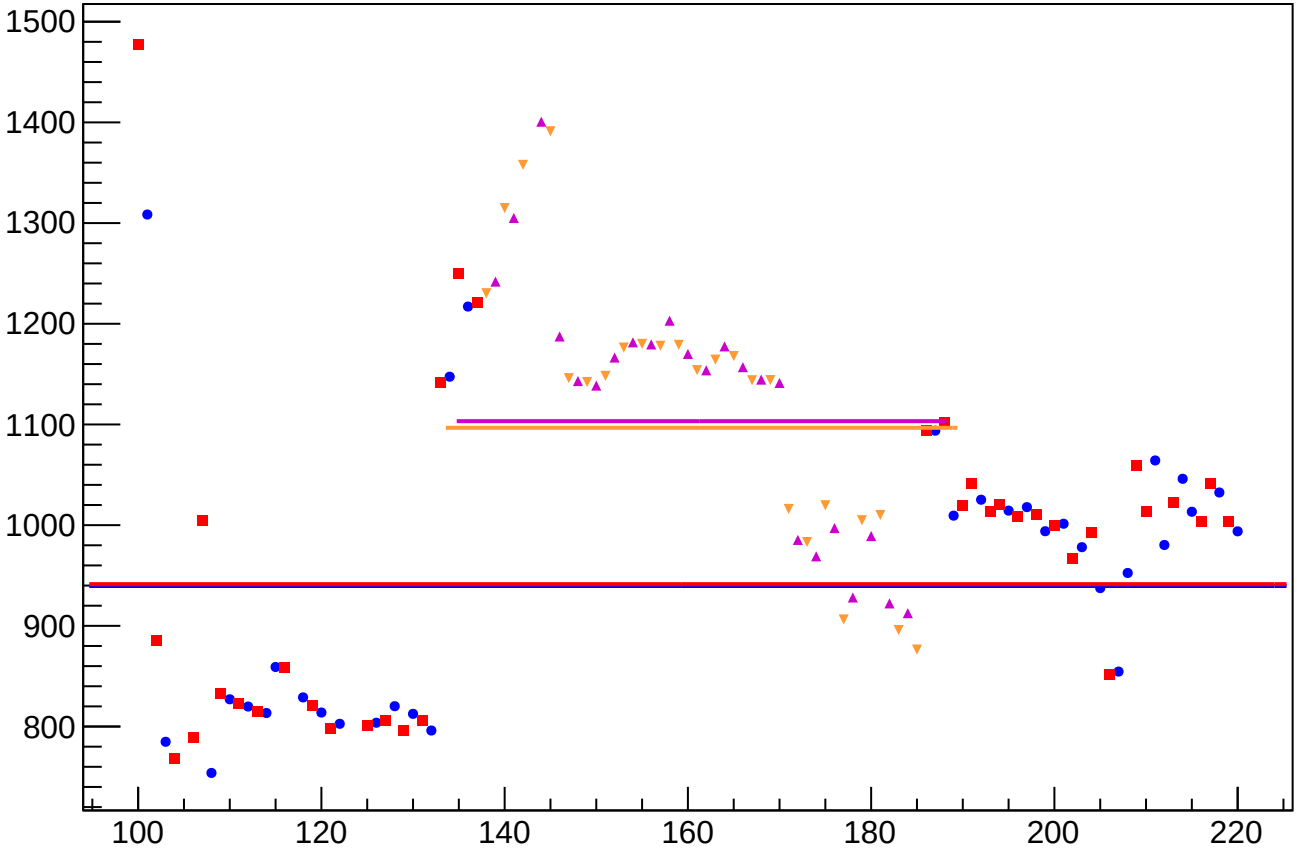
Right: -24.543+/-145.864 χ^2/NDF: 57.6/68

In: -114.091+/-161.561 χ^2/NDF:42.9/55

Out: 128.181+/-160.580 χ^2/NDF:80.4/59

All: 7.783+/-113.893 χ^2/NDF: 124.5/115

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 939.580+/-0.146 χ^2/NDF: 666481.2/32

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 941.401+/-0.145 χ^2/NDF: 630006.0/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

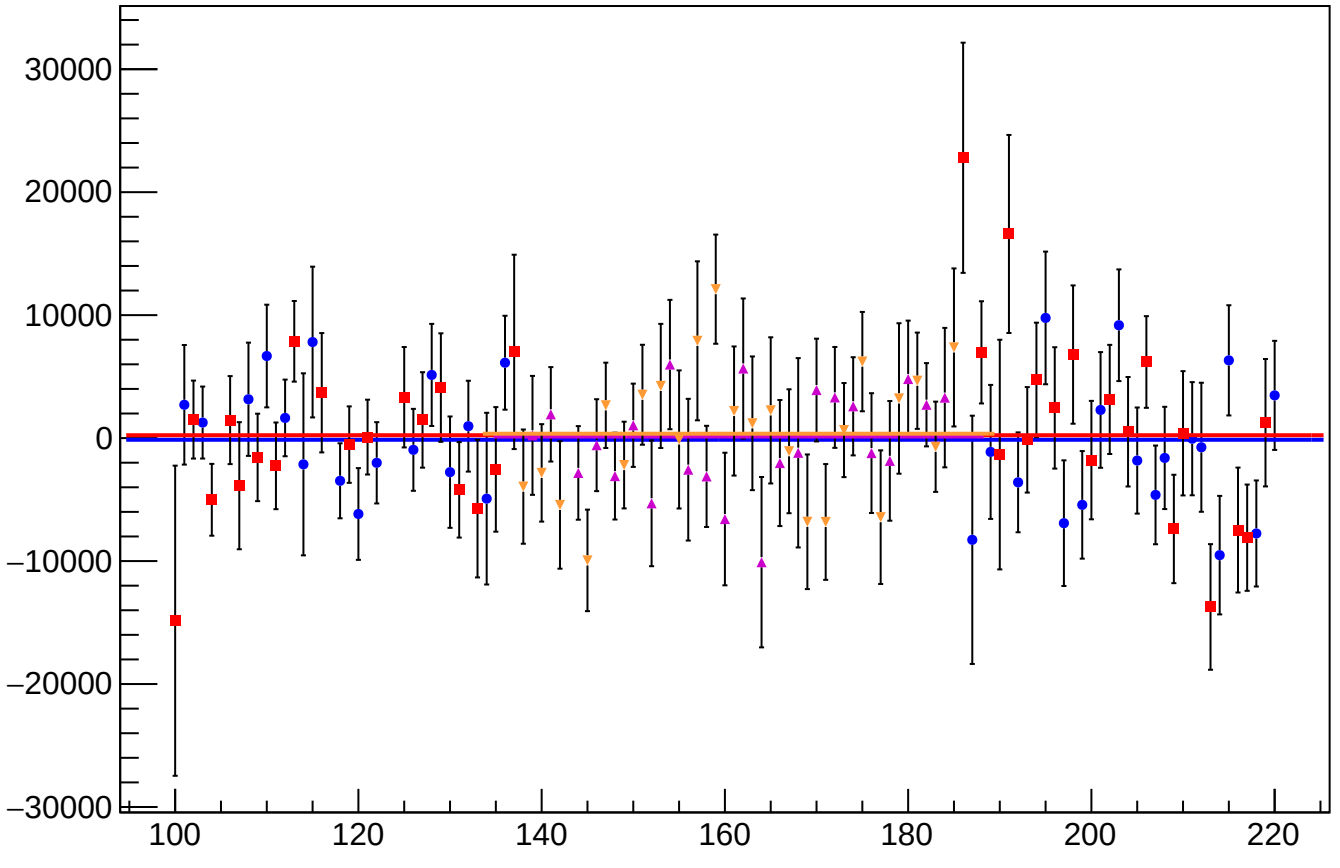
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 940.494+/-0.103 χ^2/NDF: 1296565.3/68

In: 1003.124+/-0.114 χ^2/NDF:1601674.3/55

Out: 1002.195+/-0.113 χ^2/NDF:1557329.8/59

All: 1002.656+/-0.080 χ^2/NDF: 3159037.3/11



Right In: -134.959+/-741.469 χ^2/NDF: 38.9/32

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 234.294+/-721.645 χ^2/NDF: 52.0/35

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

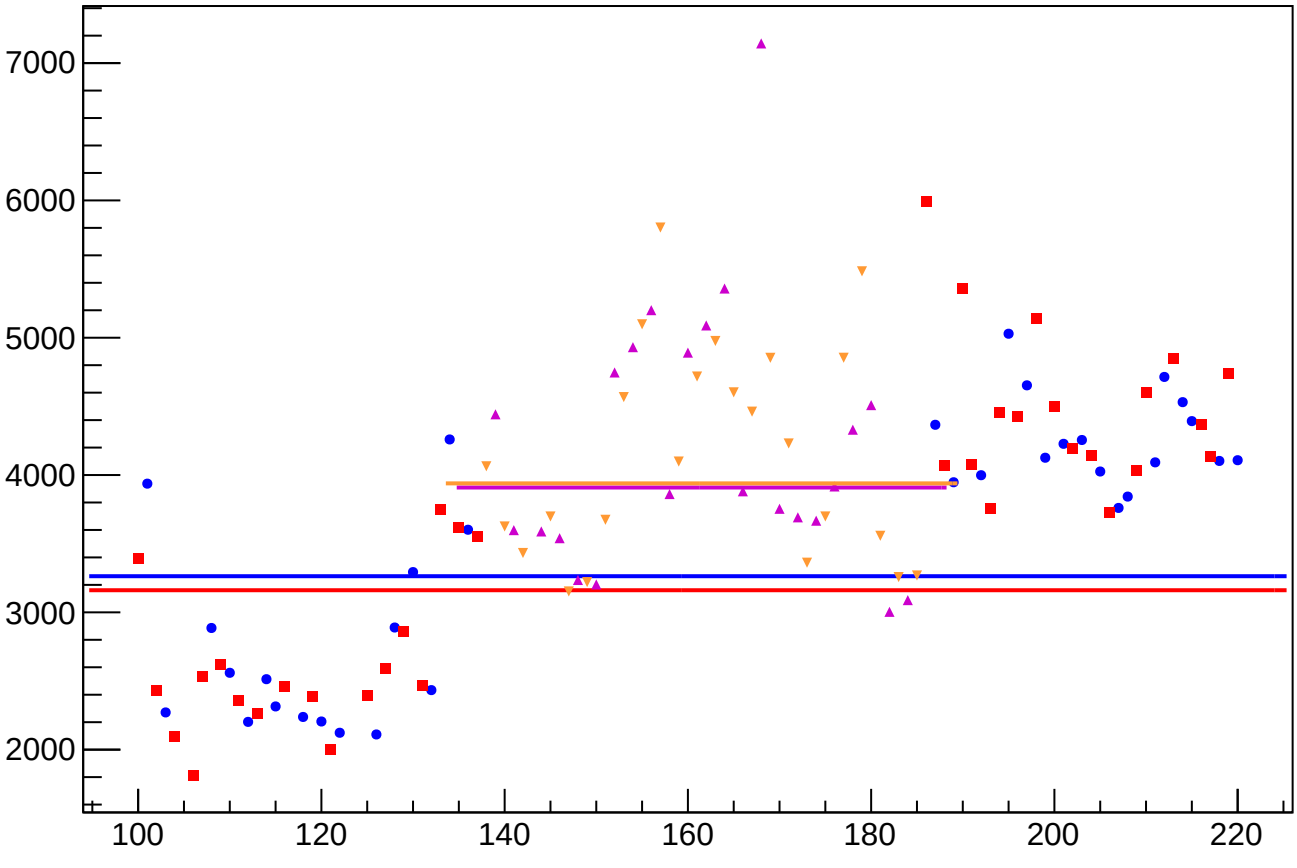
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 54.670+/-517.146 χ^2/NDF: 91.1/68

In: -33.650+/-580.398 χ^2/NDF:52.7/55

Out: 280.422+/-571.101 χ^2/NDF:82.3/59

All: 125.921+/-407.077 χ^2/NDF: 135.2/115



Right In: 3263.150+/-0.524 χ^2/NDF: 3180700.5/32

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3161.051+/-0.510 χ^2/NDF: 3927662.7/35

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

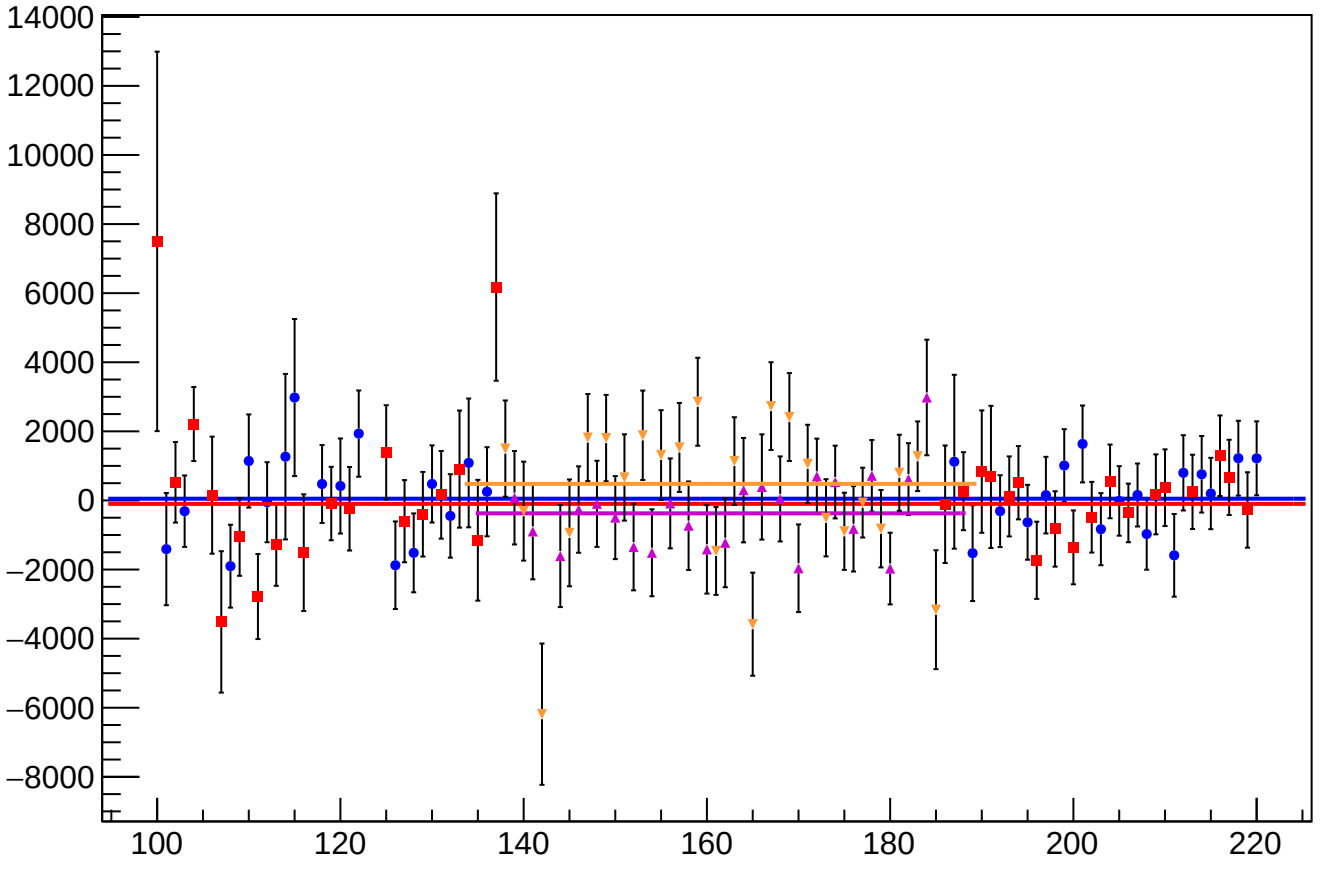
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3210.718+/-0.366 χ^2/NDF: 7127837.6/68

In: 3513.321+/-0.410 χ^2/NDF:5069376.2/55

Out: 3451.873+/-0.404 χ^2/NDF:5889498.7/59

All: 3482.101+/-0.288 χ^2/NDF: 10970264.8/1



Right In: 50.110+/-206.549 χ^2/NDF: 25.2/32

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -98.812+/-206.017 χ^2/NDF: 32.2/35

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

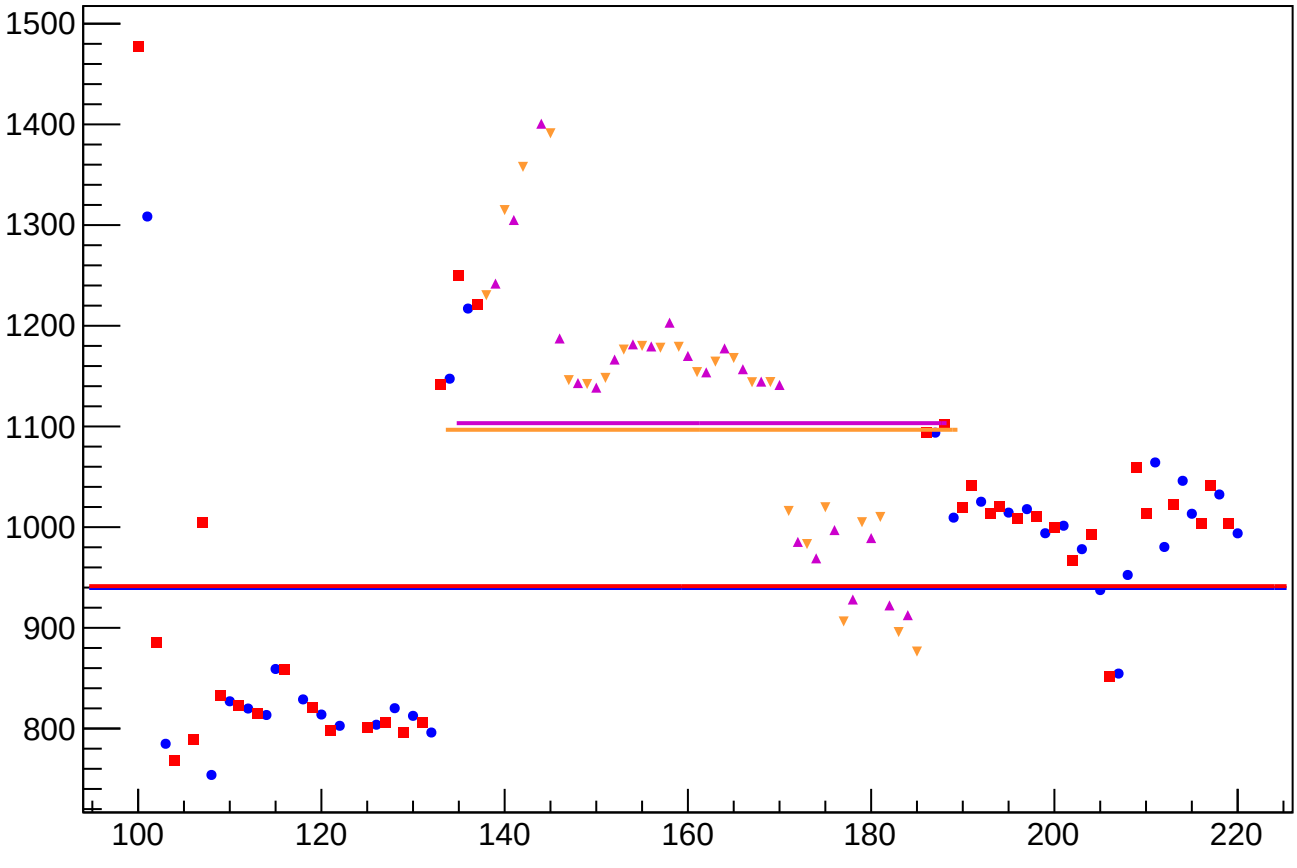
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -24.543+/-145.864 χ^2/NDF: 57.6/68

In: -114.091+/-161.561 χ^2/NDF:42.9/55

Out: 128.181+/-160.580 χ^2/NDF:80.4/59

All: 7.783+/-113.893 χ^2/NDF: 124.5/115



Right In: 939.580+/-0.146 χ^2/NDF: 666481.2/32

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 941.401+/-0.145 χ^2/NDF: 630006.0/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

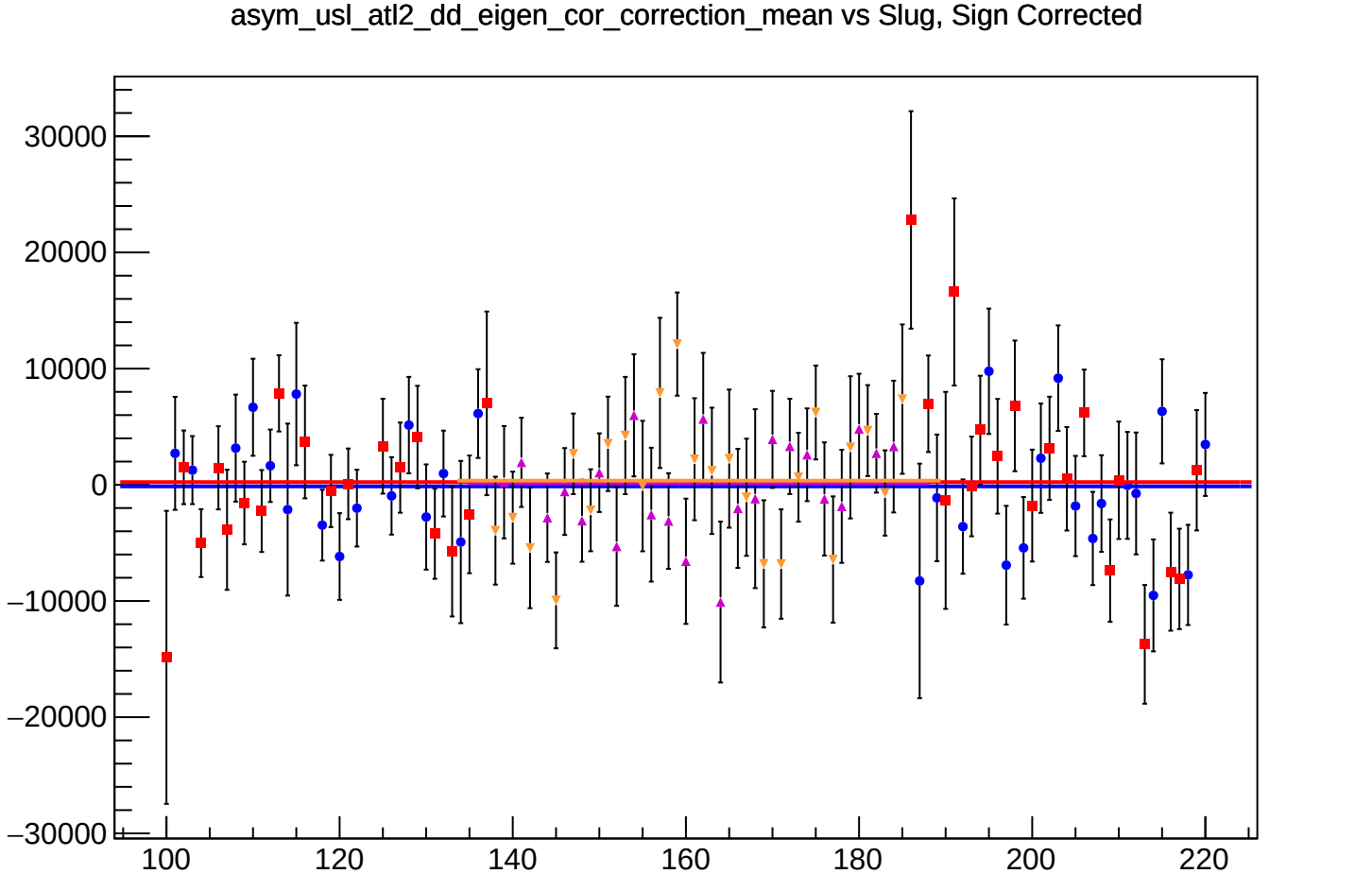
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 940.494+/-0.103 χ^2/NDF: 1296565.3/68

In: 1003.124+/-0.114 χ^2/NDF:1601674.3/55

Out: 1002.195+/-0.113 χ^2/NDF:1557329.8/59

All: 1002.656+/-0.080 χ^2/NDF: 3159037.3/11



Right In: -134.959+/-741.469 χ^2/NDF: 38.9/32

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 234.294+/-721.645 χ^2/NDF: 52.0/35

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

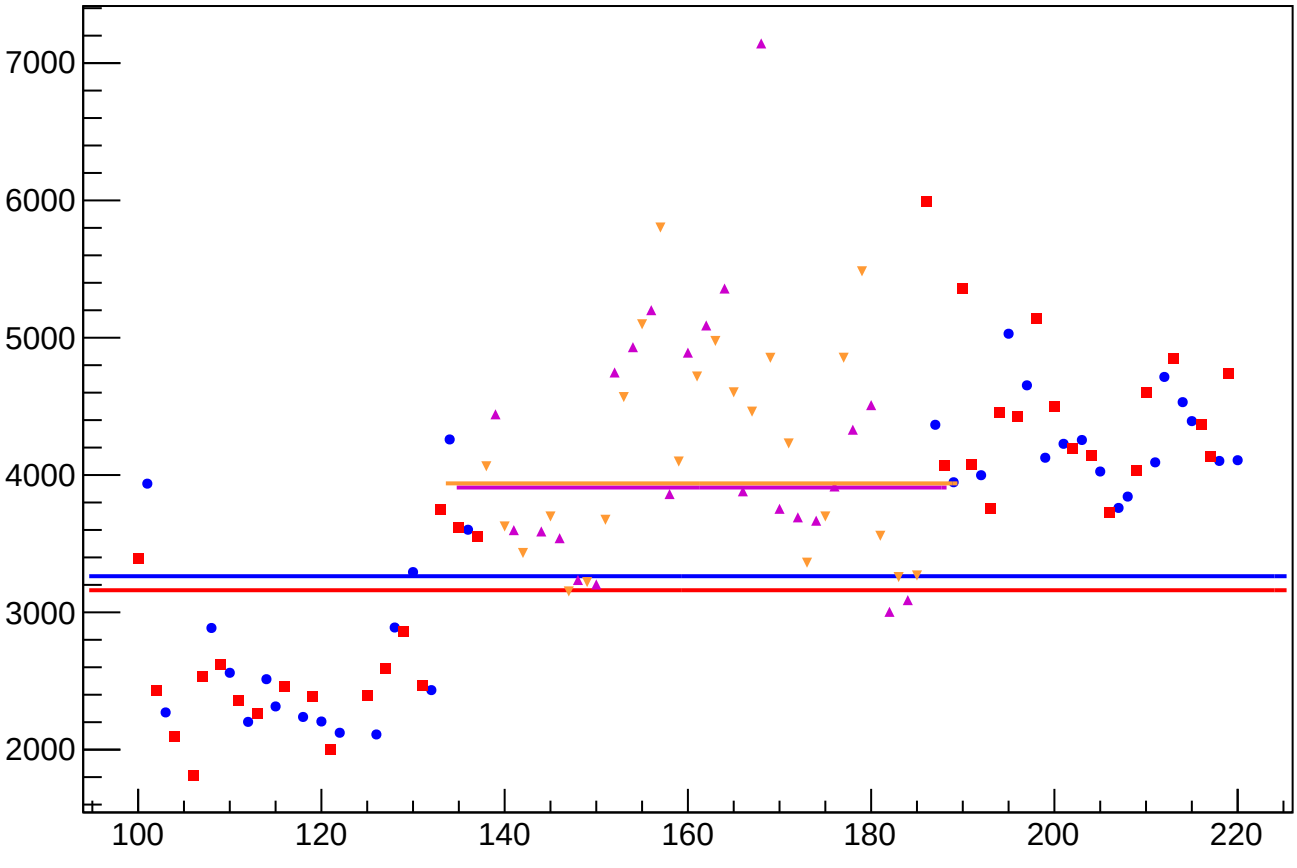
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

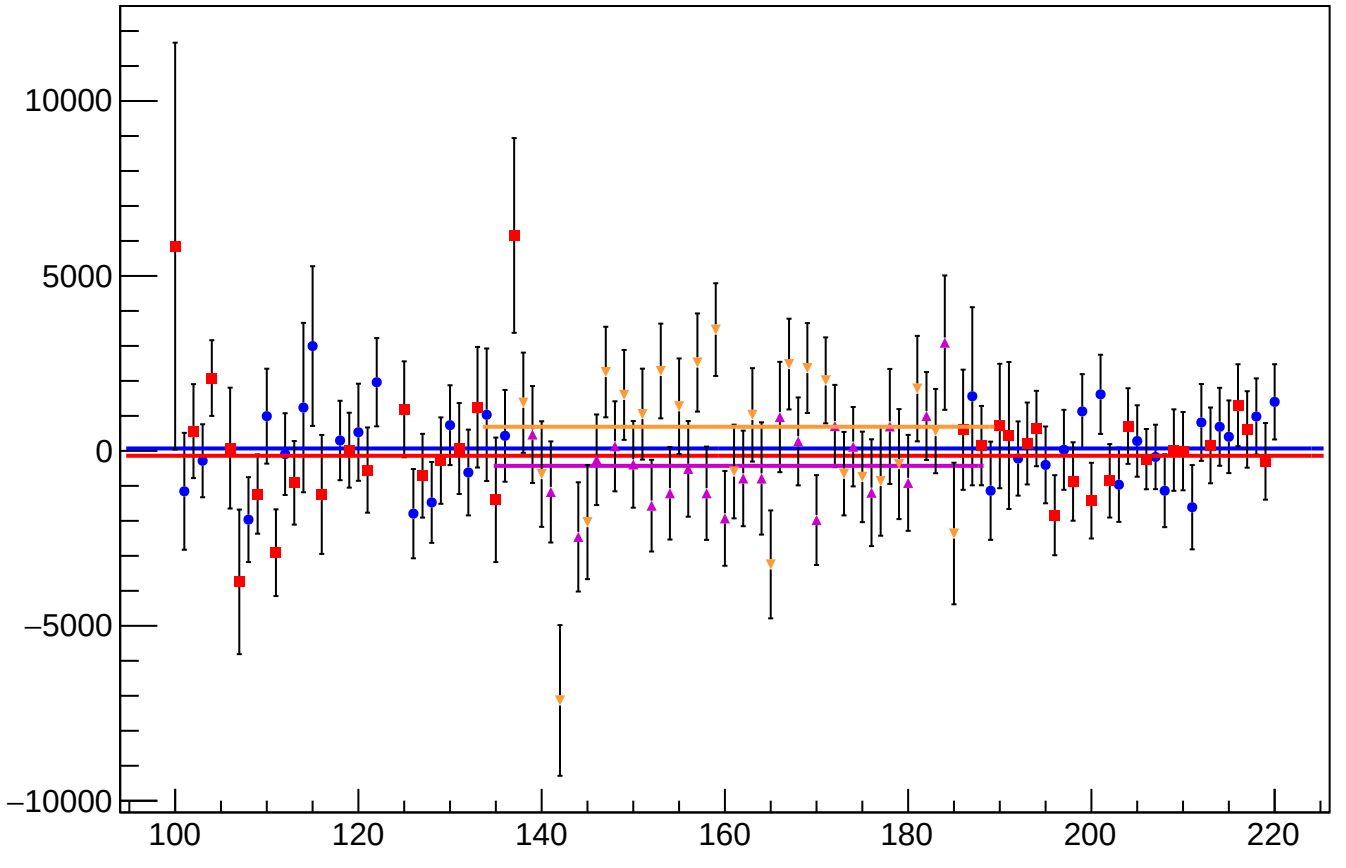
Right: 54.670+/-517.146 χ^2/NDF: 91.1/68

In: -33.650+/-580.398 χ^2/NDF:52.7/55

Out: 280.422+/-571.101 χ^2/NDF:82.3/59

All: 125.921+/-407.077 χ^2/NDF: 135.2/115


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 3263.150+/-0.524 χ²/NDF: 3180700.5/32
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 3161.051+/-0.510 χ²/NDF: 3927662.7/35
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 3210.718+/-0.366 χ²/NDF: 7127837.6/68
In: 3513.321+/-0.410 χ²/NDF:5069376.2/55
Out: 3451.873+/-0.404 χ²/NDF:5889498.7/59
All: 3482.101+/-0.288 χ²/NDF: 10970264.8/1



Right In: 69.251+/-208.990 χ^2/NDF: 24.8/32

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -139.765+/-209.159 χ^2/NDF: 31.4/35

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

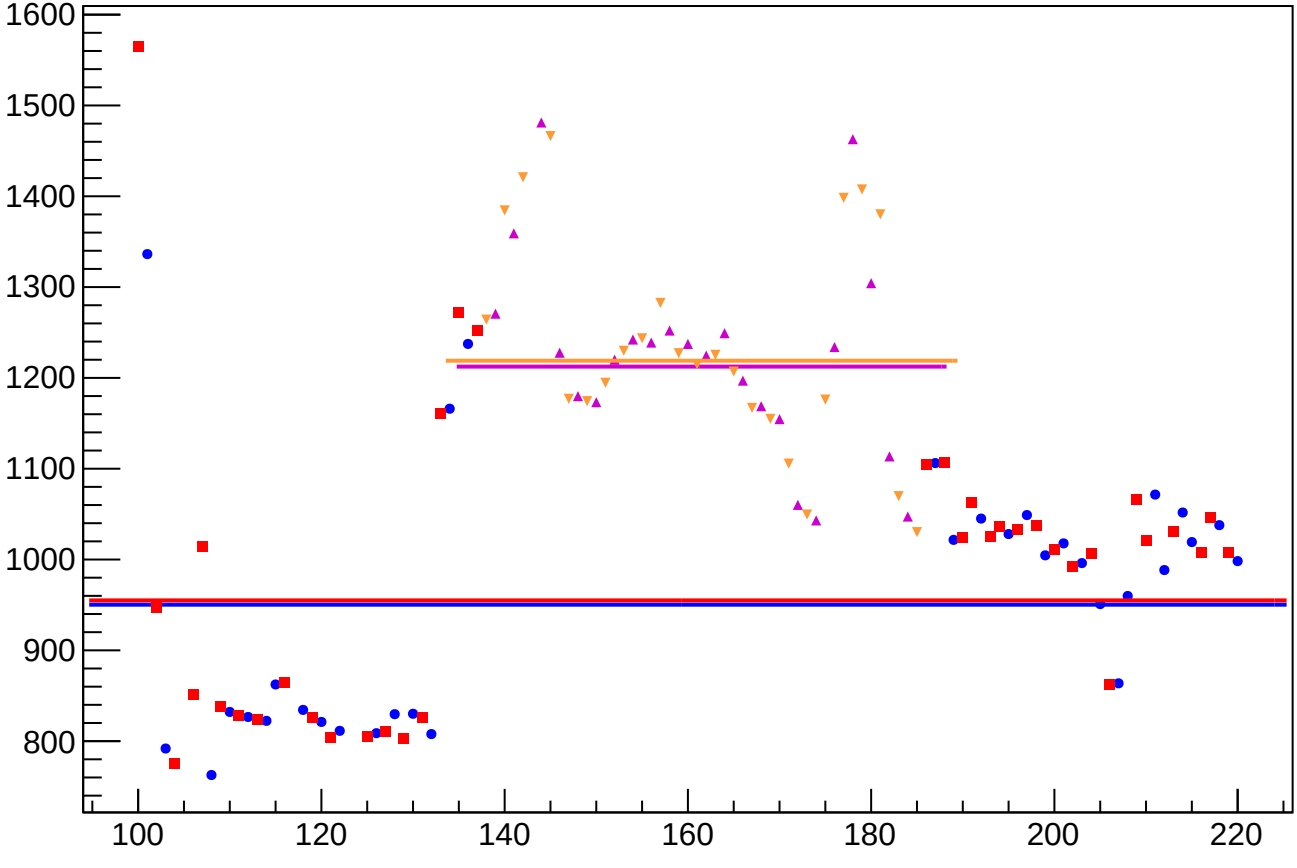
Right: -35.173+/-147.838 χ^2/NDF: 56.7/68

In: -105.141+/-168.406 χ^2/NDF:41.4/55

Out: 151.192+/-168.495 χ^2/NDF:82.7/59

All: 22.957+/-119.112 χ^2/NDF: 125.2/115

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 950.285+/-0.148 χ^2/NDF: 679342.2/32

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 955.008+/-0.148 χ^2/NDF: 626378.4/35

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

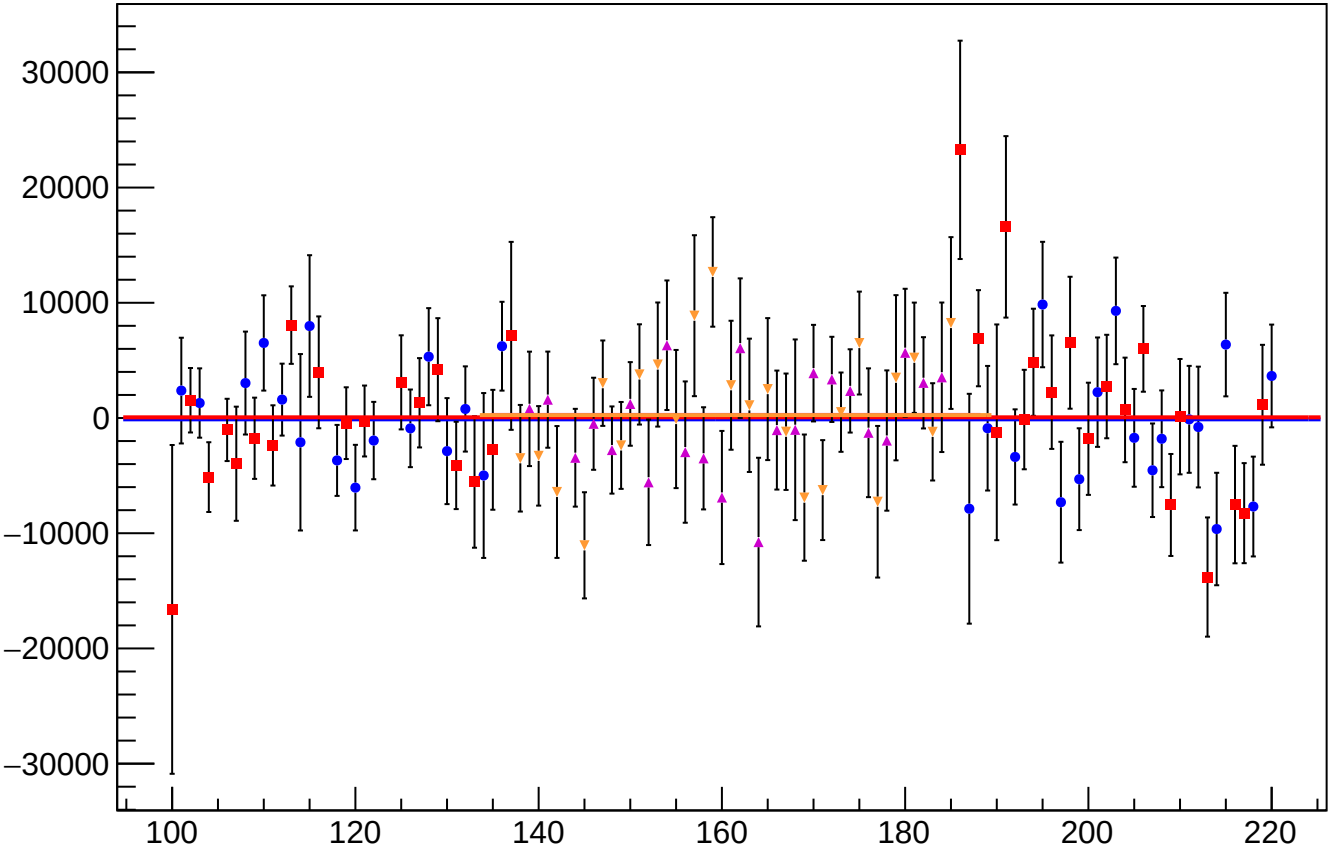
Right: 952.646+/-0.105 χ^2/NDF: 1306231.3/68

In: 1042.219+/-0.119 χ^2/NDF:2043298.0/55

Out: 1047.605+/-0.119 χ^2/NDF:2038387.6/59

All: 1044.911+/-0.084 χ^2/NDF: 4082708.4/11

asym_usl_atl2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -116.079+/-745.951 χ^2/NDF: 38.6/32

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 58.872+/-709.227 χ^2/NDF: 52.0/35

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

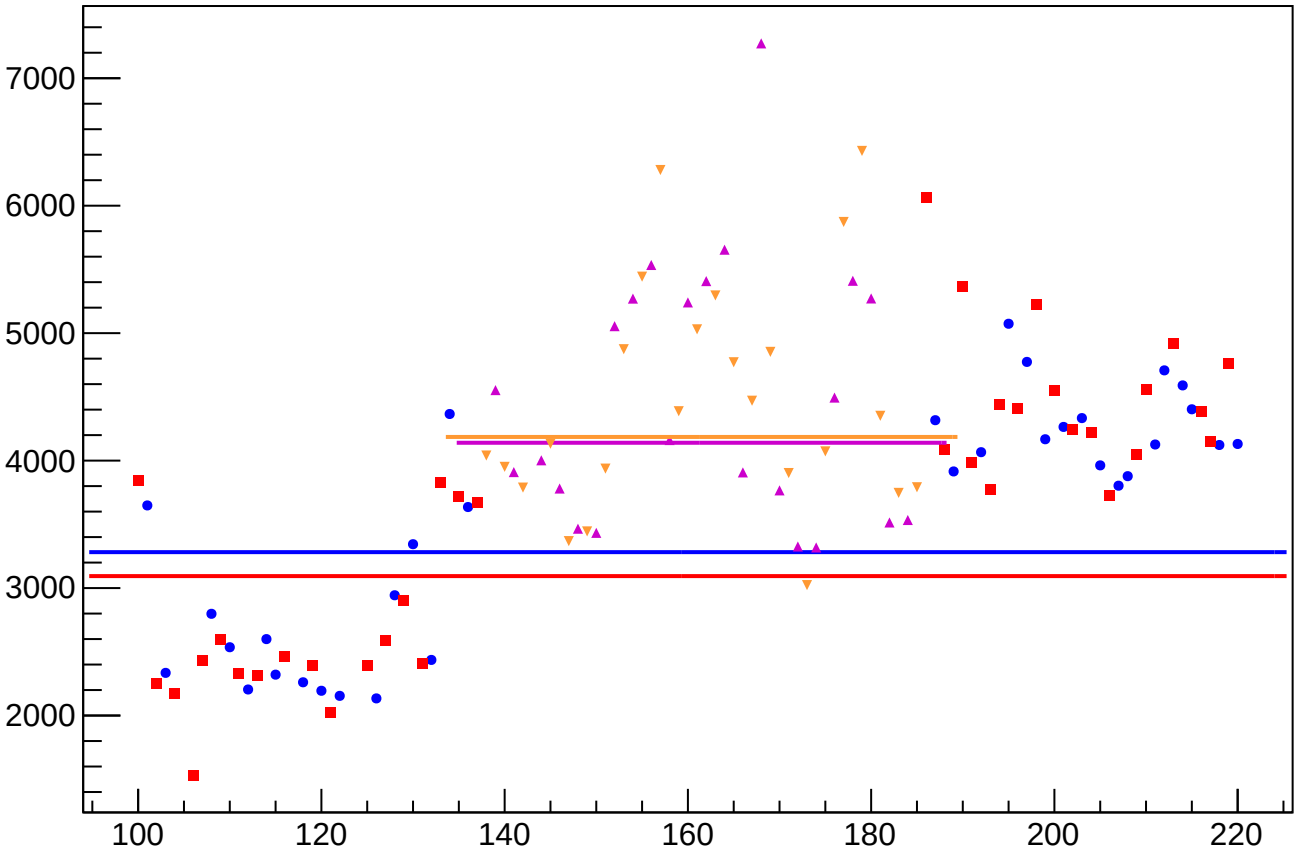
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: -24.191+/-513.992 χ^2/NDF: 90.7/68

In: 22.357+/-595.780 χ^2/NDF:52.1/55

Out: 124.194+/-577.559 χ^2/NDF:81.8/59

All: 74.857+/-414.688 χ^2/NDF: 133.9/115



Right In: 3281.900+/-0.527 χ^2/NDF: 3156117.8/32

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 3093.932+/-0.501 χ^2/NDF: 4481835.1/35

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

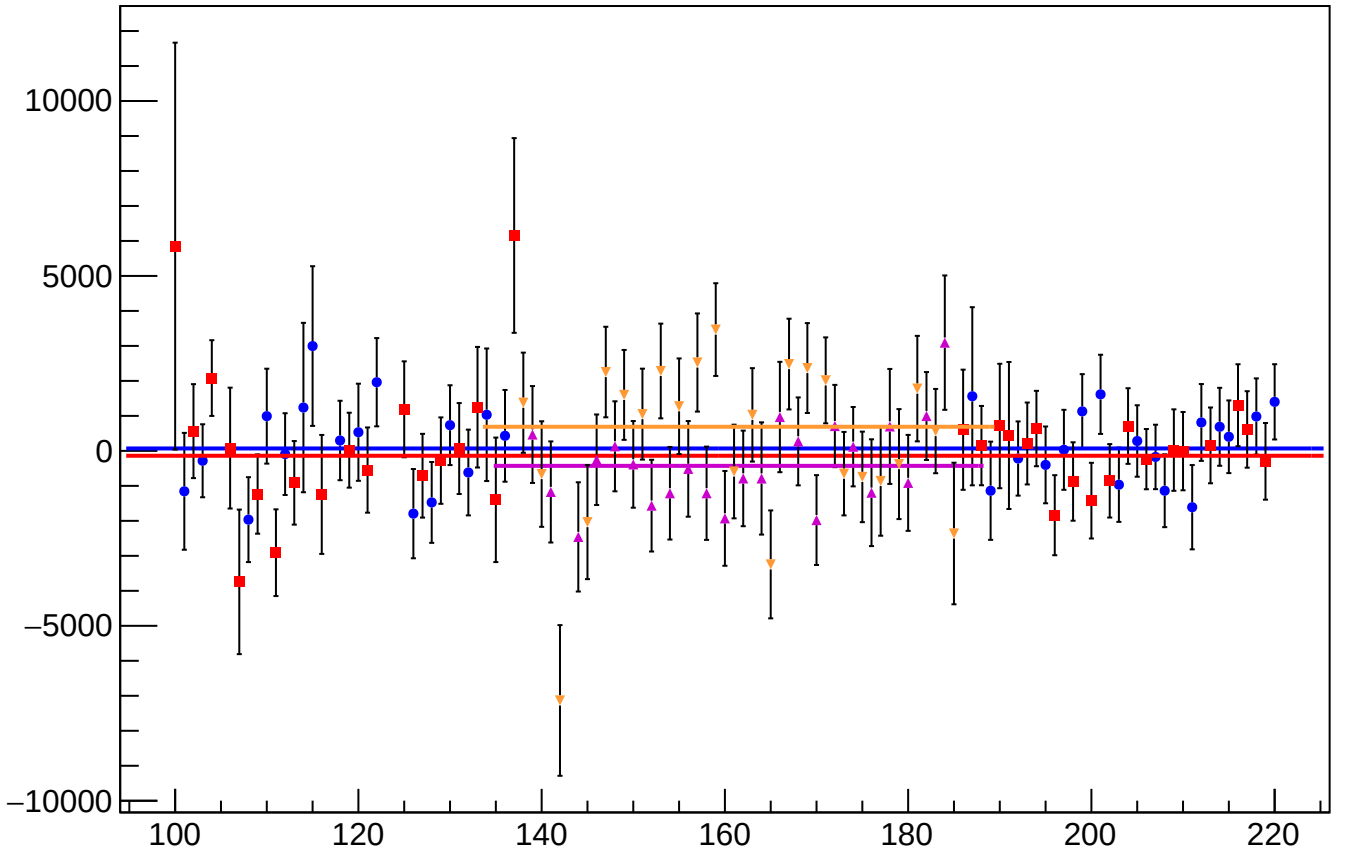
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 3183.175+/-0.363 χ^2/NDF: 7704652.0/68

In: 3592.637+/-0.421 χ^2/NDF:5564486.5/55

Out: 3461.661+/-0.408 χ^2/NDF:7349335.5/59

All: 3525.116+/-0.293 χ^2/NDF: 12963651.9/1



Right In: 69.249+/-208.990 χ^2/NDF: 24.8/32

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -139.764+/-209.159 χ^2/NDF: 31.4/35

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

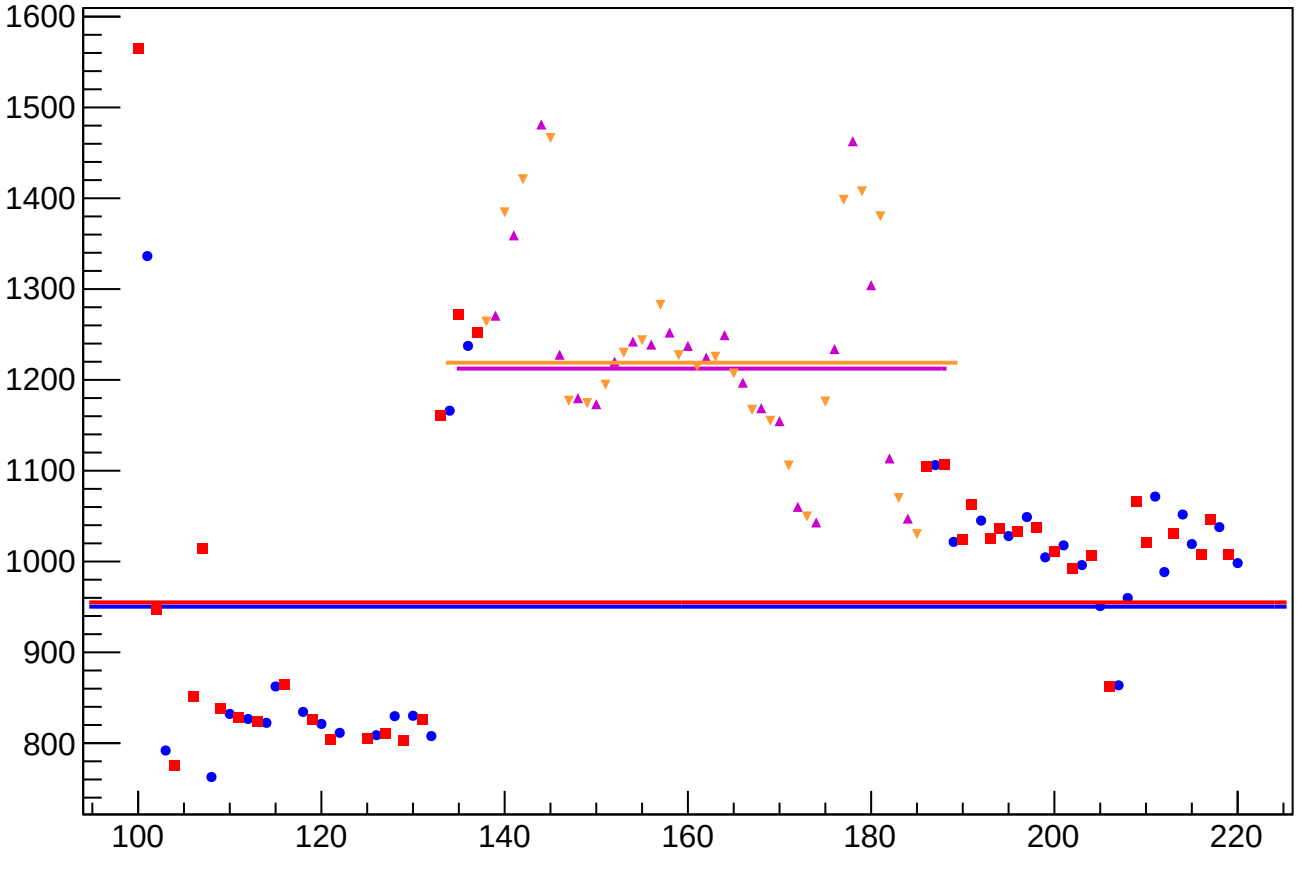
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -35.173+/-147.838 χ^2/NDF: 56.7/68

In: -105.142+/-168.406 χ^2/NDF:41.4/55

Out: 151.193+/-168.495 χ^2/NDF:82.7/59

All: 22.957+/-119.112 χ^2/NDF: 125.2/115



Right In: 950.285+/-0.148 χ^2/NDF: 679342.0/32

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 955.008+/-0.148 χ^2/NDF: 626378.8/35

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

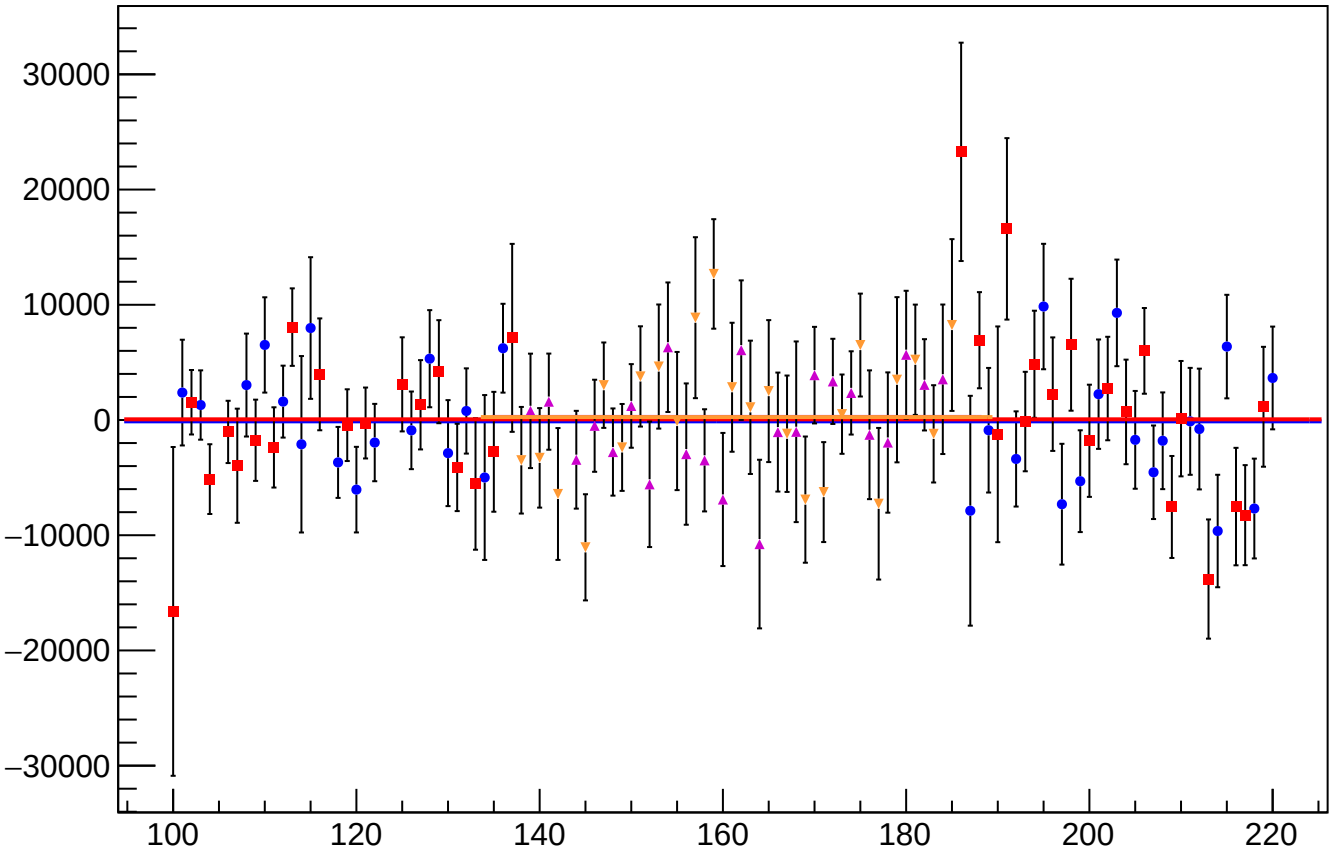
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 952.646+/-0.105 χ^2/NDF: 1306231.5/68

In: 1042.219+/-0.119 χ^2/NDF:2043314.2/55

Out: 1047.606+/-0.119 χ^2/NDF:2038405.9/59

All: 1044.912+/-0.084 χ^2/NDF: 4082742.9/11



Right In: -116.079+/-745.950 χ^2/NDF: 38.6/32

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 58.868+/-709.226 χ^2/NDF: 52.0/35

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

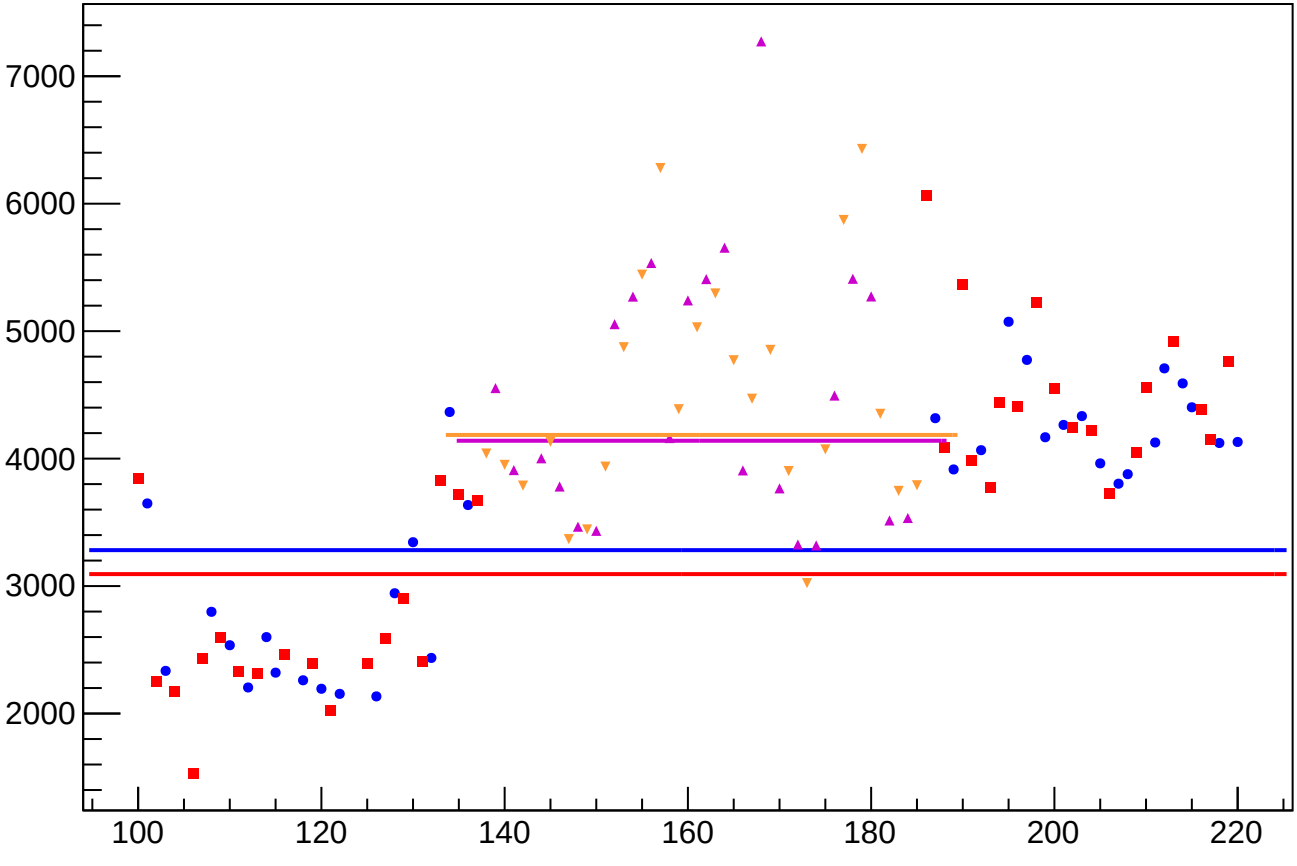
Right: -24.193+/-513.991 χ^2/NDF: 90.7/68

In: 22.357+/-595.781 χ^2/NDF:52.1/55

Out: 124.192+/-577.559 χ^2/NDF:81.8/59

All: 74.856+/-414.688 χ^2/NDF: 133.9/115

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3281.895+/-0.527 χ^2/NDF: 3156178.7/32

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 3093.926+/-0.501 χ^2/NDF: 4481885.5/35

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

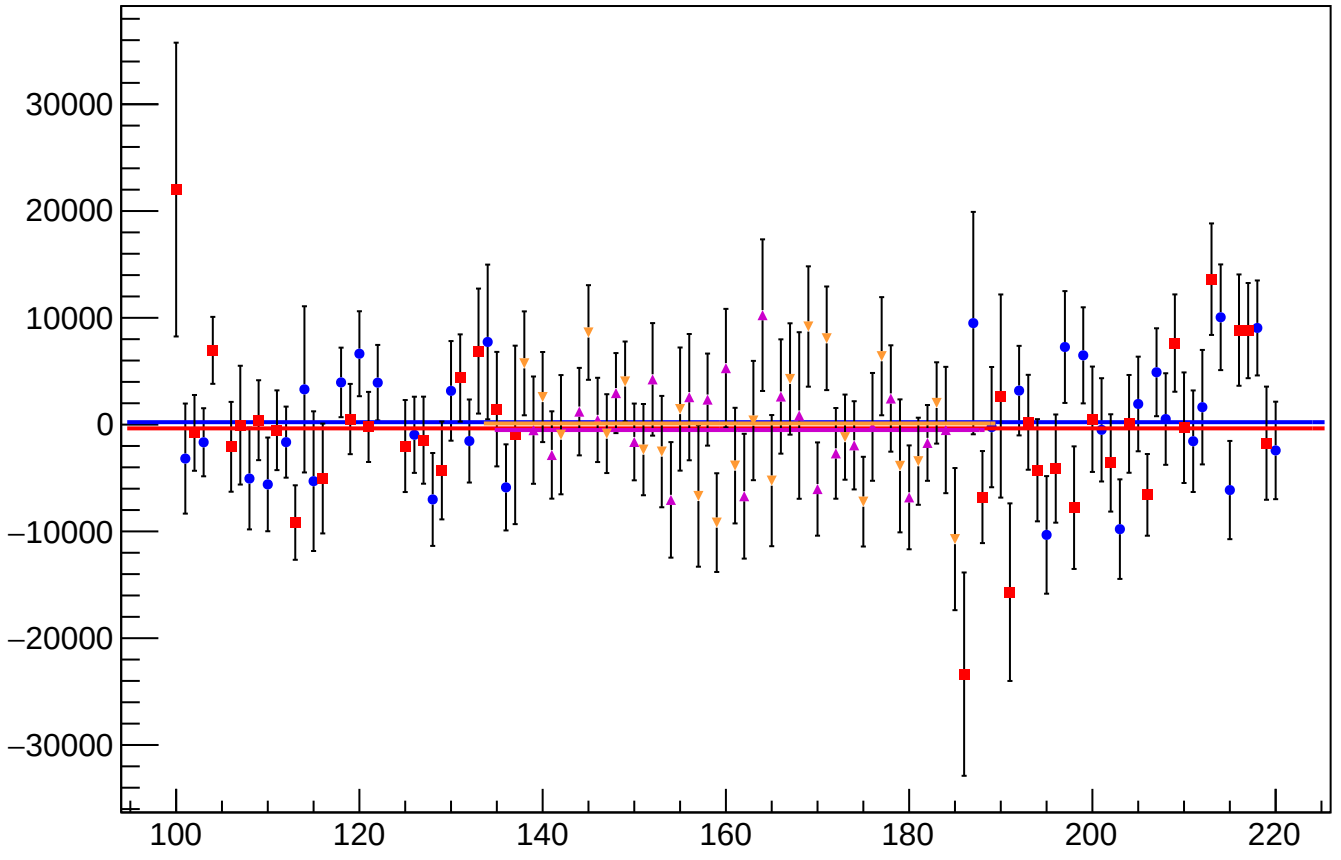
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 3183.170+/-0.363 χ^2/NDF: 7704764.0/68

In: 3592.636+/-0.421 χ^2/NDF:5564573.5/55

Out: 3461.659+/-0.408 χ^2/NDF:7349421.8/59

All: 3525.114+/-0.293 χ^2/NDF: 12963826.0/1



Right In: 227.952+/-776.301 χ^2/NDF: 41.9/32

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -353.362+/-760.760 χ^2/NDF: 54.9/35

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

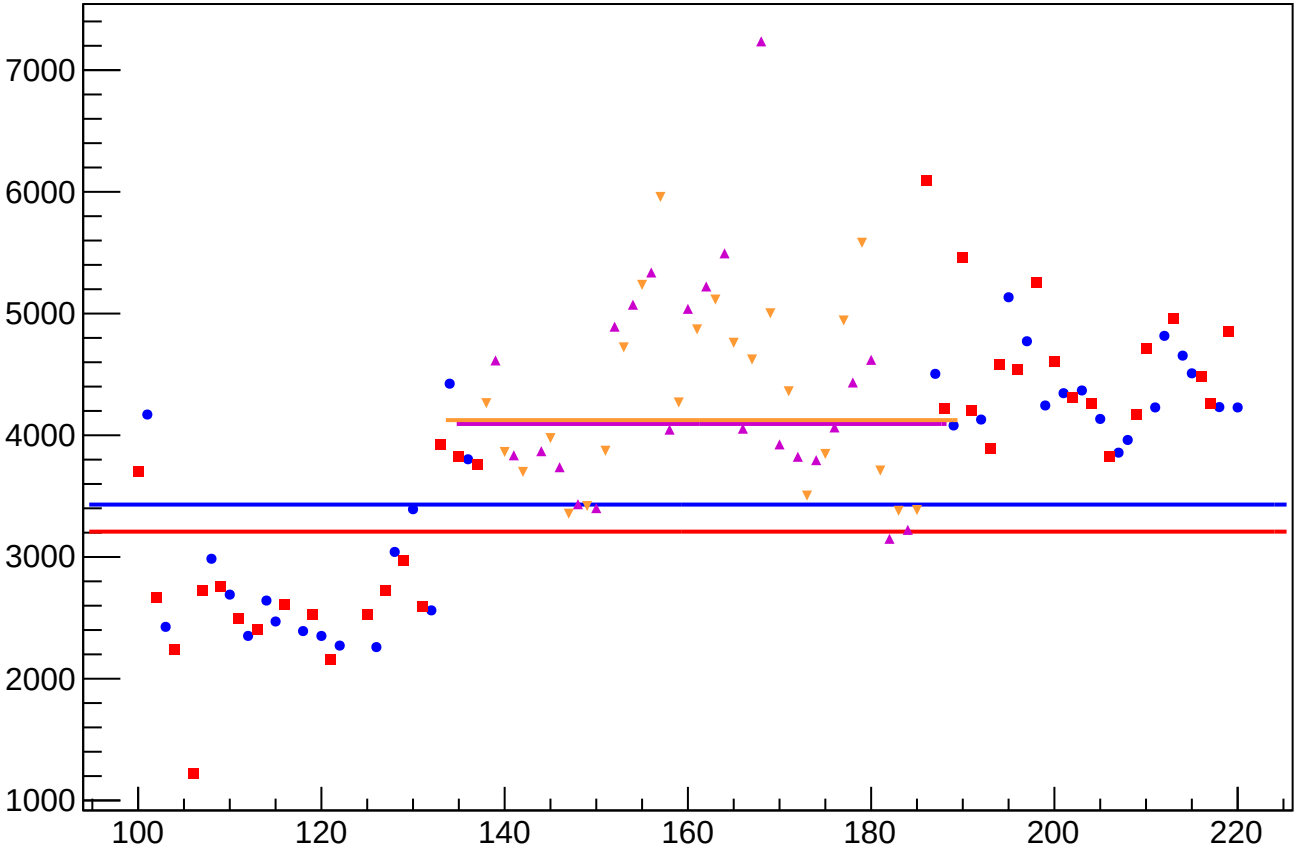
Right: -68.582+/-543.350 χ^2/NDF: 97.1/68

In: -58.280+/-607.112 χ^2/NDF:55.8/55

Out: -178.539+/-599.923 χ^2/NDF:83.0/59

All: -119.126+/-426.728 χ^2/NDF: 138.9/115

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3430.699+/-0.549 χ^2/NDF: 2835238.0/32

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3208.384+/-0.523 χ^2/NDF: 4594785.4/35

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

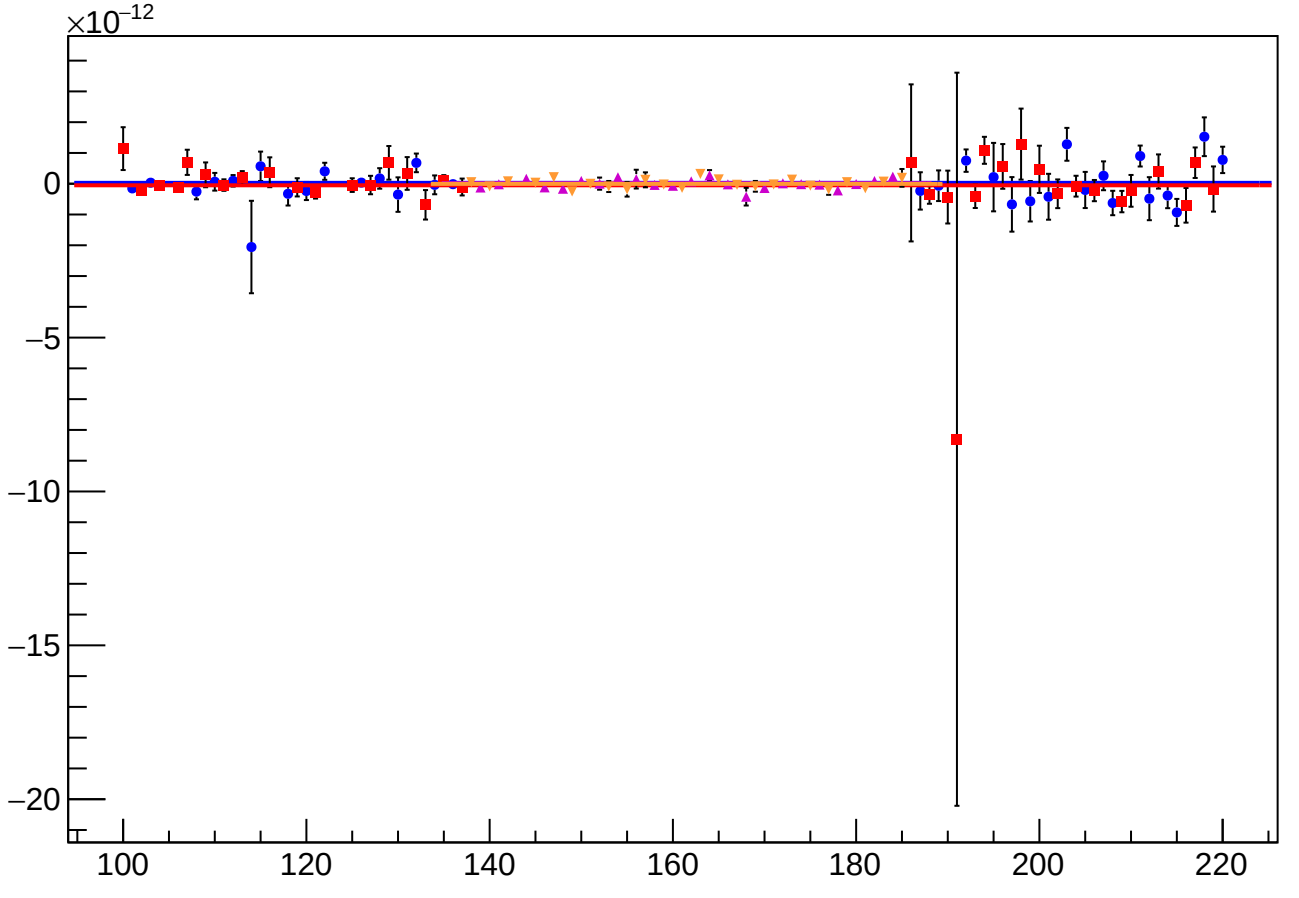
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3314.158+/-0.379 χ^2/NDF: 7516007.9/68

In: 3687.954+/-0.429 χ^2/NDF:4563589.0/55

Out: 3542.708+/-0.417 χ^2/NDF:6684634.2/59

All: 3613.177+/-0.299 χ^2/NDF: 11307156.9/1



Right In: 0.000+/-0.000 χ^2/NDF: 51.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/35

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

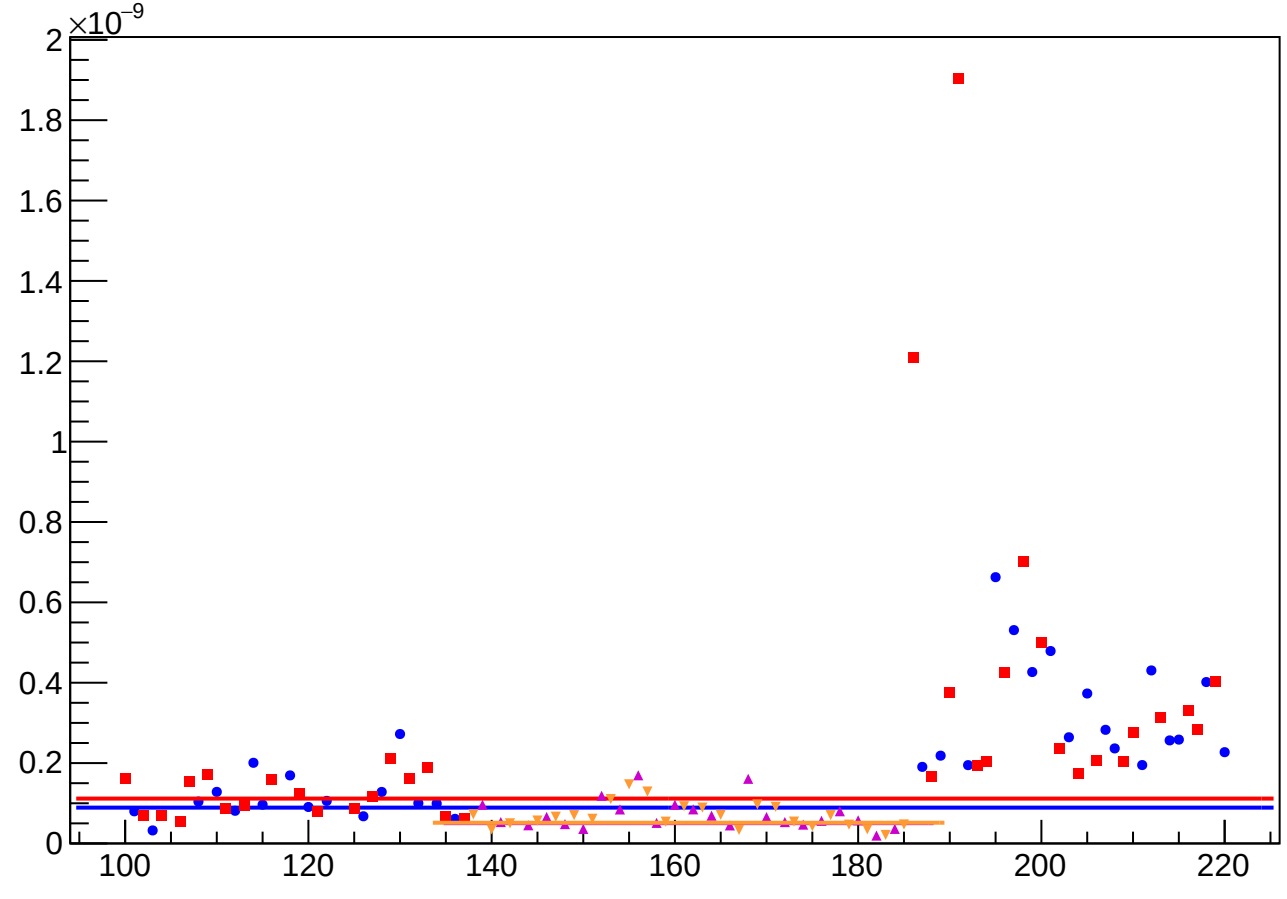
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 89.6/68

In: 0.000+/-0.000 χ^2/NDF:77.5/55

Out: -0.000+/-0.000 χ^2/NDF:61.2/59

All: 0.000+/-0.000 χ^2/NDF: 140.1/115



Right In: 0.000+/-0.000 χ^2/NDF: 7582320.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5354099.1/35

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

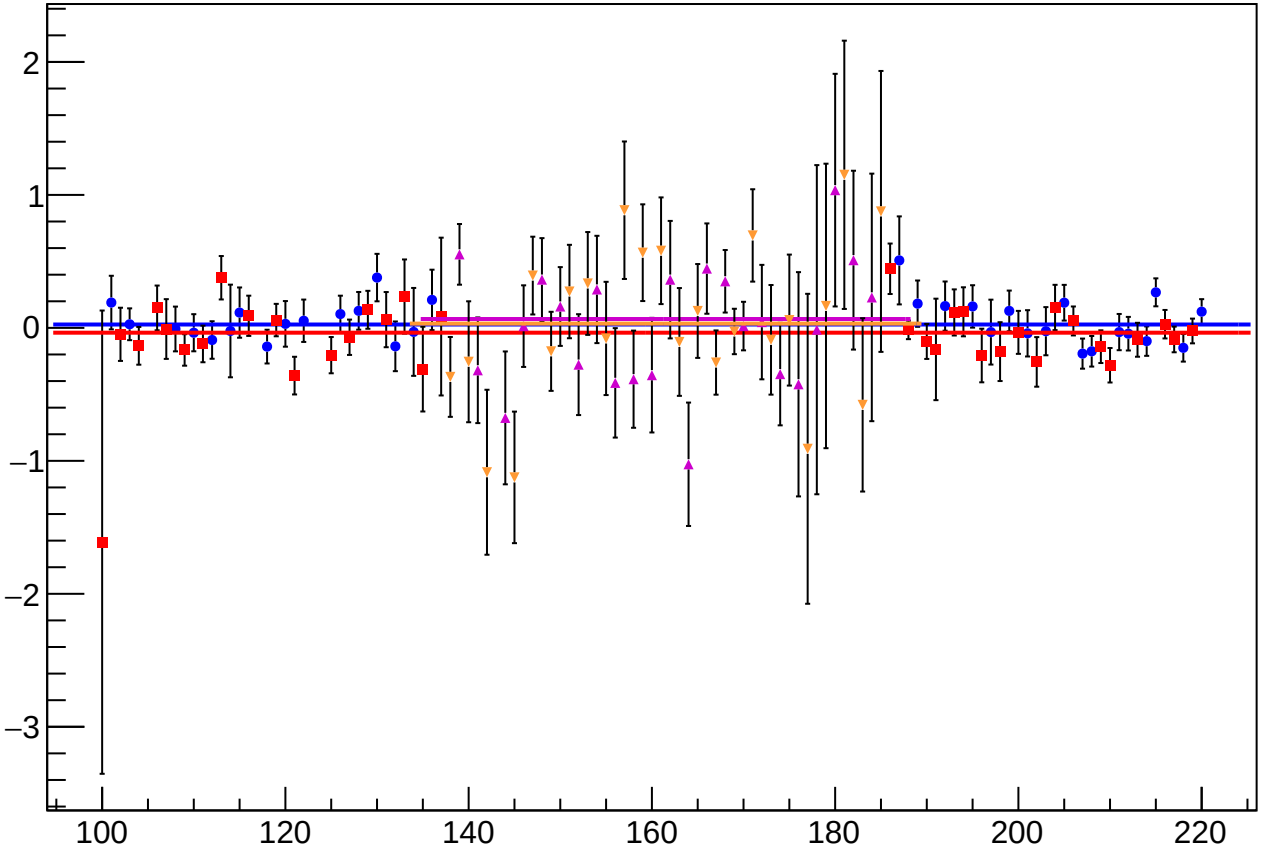
Right: 0.000+/-0.000 χ^2/NDF: 13186234.1/68

In: 0.000+/-0.000 χ^2/NDF:11372854.5/55

Out: 0.000+/-0.000 χ^2/NDF:10171755.8/59

All: 0.000+/-0.000 χ^2/NDF: 21568494.2/115

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.026 χ^2/NDF: 34.0/32

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

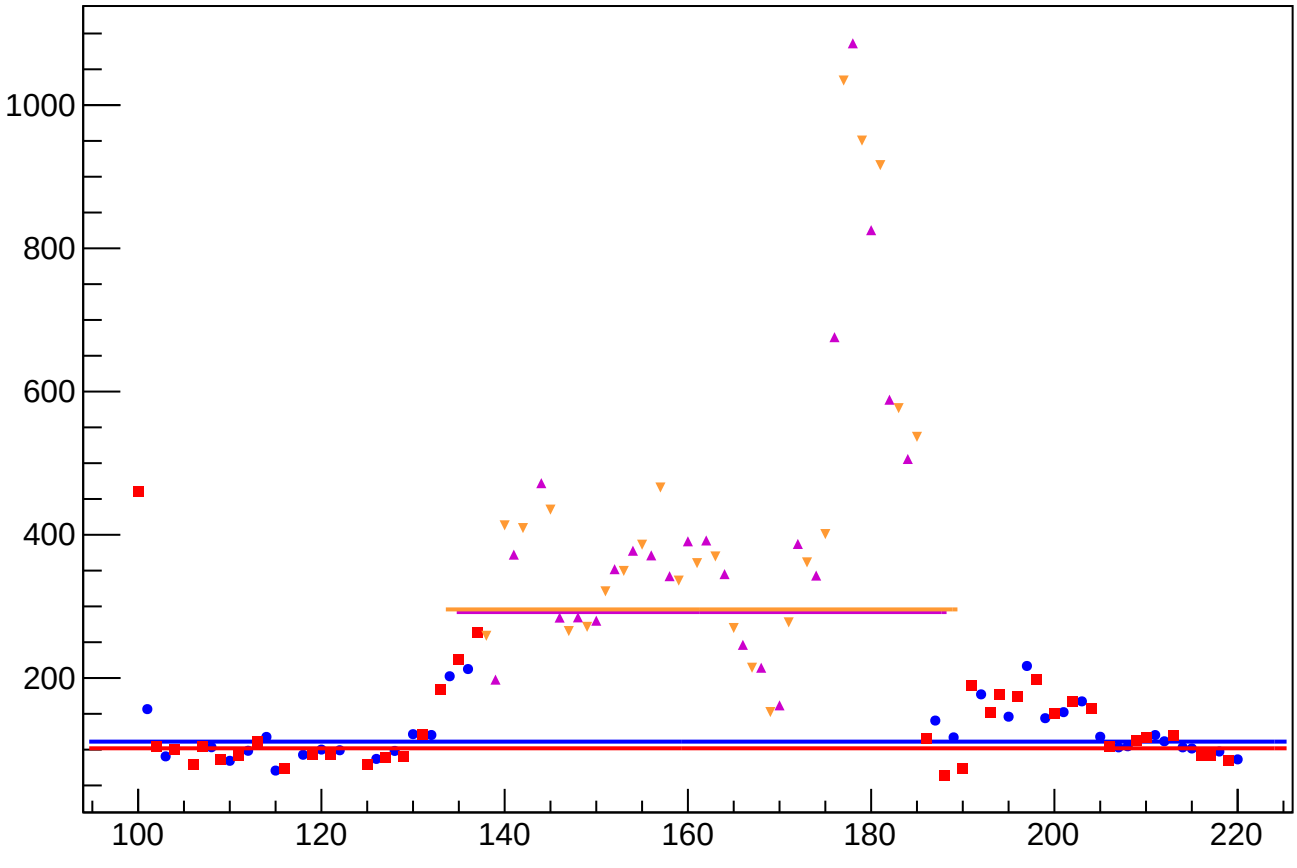
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.007+/-0.017 χ^2/NDF: 77.1/68

In: 0.030+/-0.024 χ^2/NDF:60.0/55

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.002+/-0.017 χ^2/NDF: 133.6/115



Right In: 111.176+/-0.018 χ^2/NDF: 2420424.2/32

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

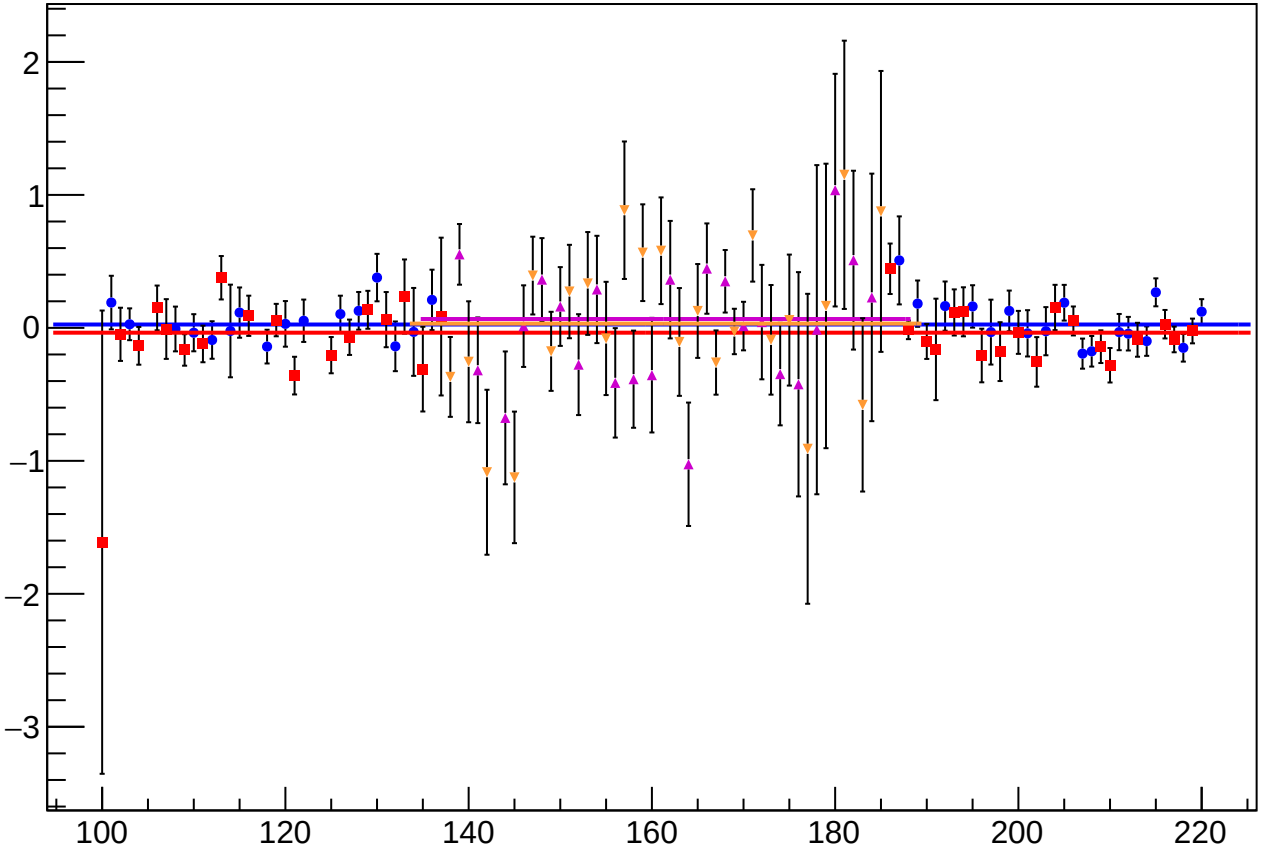
Right: 106.199+/-0.012 χ^2/NDF: 6324744.5/68

In: 130.125+/-0.017 χ^2/NDF:17973872.6/55

Out: 119.297+/-0.016 χ^2/NDF:21115072.1/59

All: 124.393+/-0.012 χ^2/NDF: 39301229.1/11

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.026 χ^2/NDF: 34.0/32

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

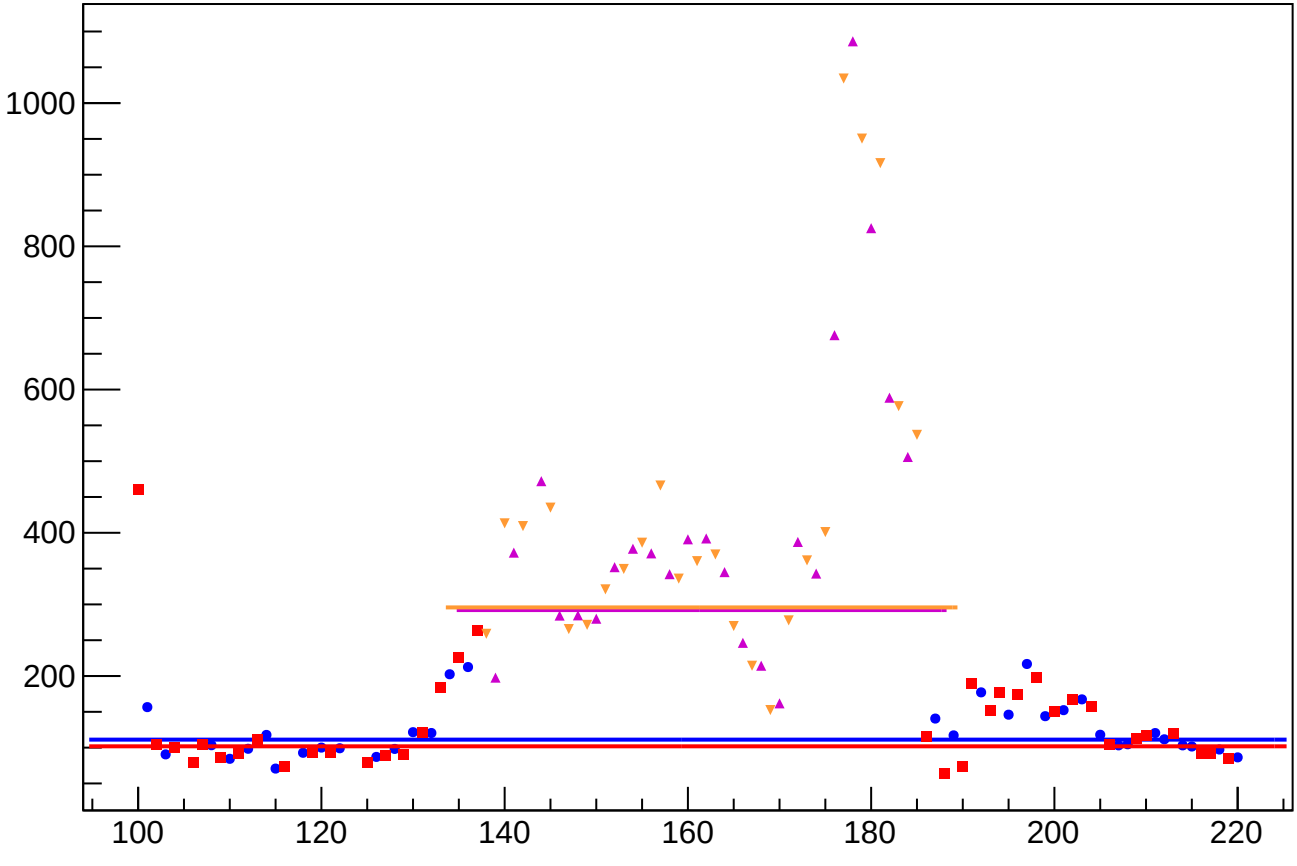
Right: -0.007+/-0.017 χ^2/NDF: 77.1/68

In: 0.030+/-0.024 χ^2/NDF:60.0/55

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.002+/-0.017 χ^2/NDF: 133.6/115

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.176+/-0.018 χ^2/NDF: 2420424.2/32

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

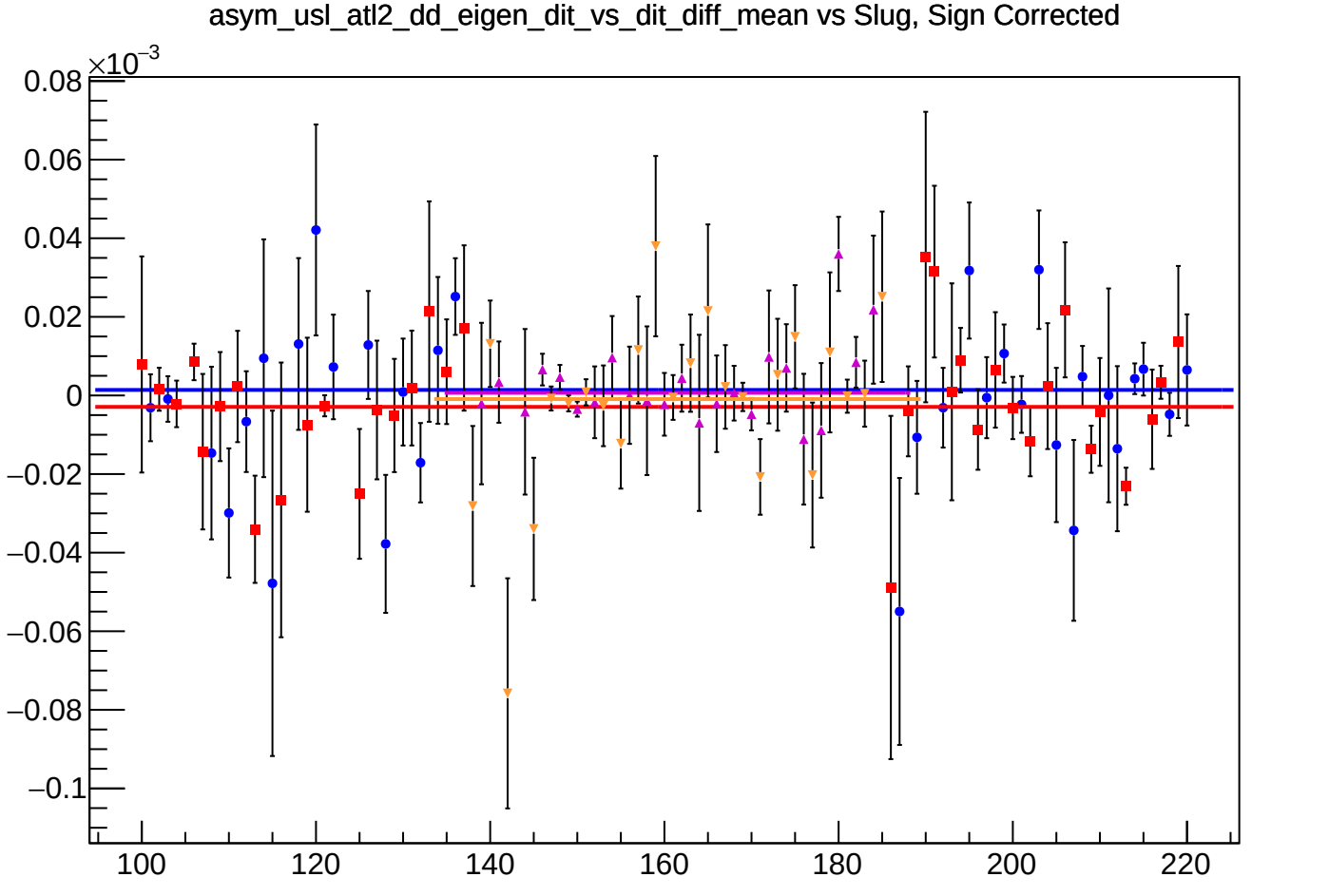
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 106.199+/-0.012 χ^2/NDF: 6324744.5/68

In: 130.125+/-0.017 χ^2/NDF:17973872.6/55

Out: 119.297+/-0.016 χ^2/NDF:21115072.1/59

All: 124.393+/-0.012 χ^2/NDF: 39301229.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 43.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 52.4/35

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

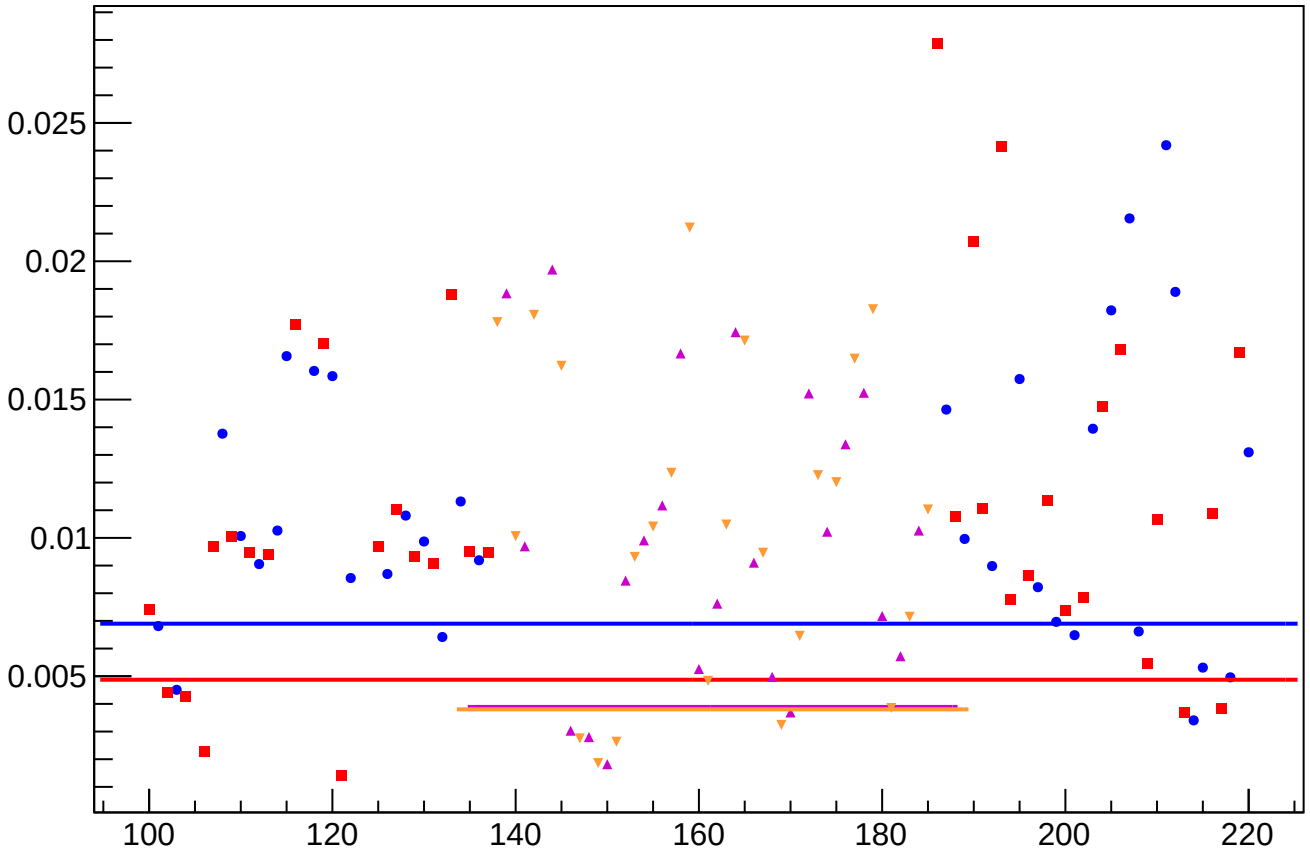
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 99.4/68

In: 0.000+/-0.000 χ^2/NDF:73.2/55

Out: -0.000+/-0.000 χ^2/NDF:82.6/59

All: -0.000+/-0.000 χ^2/NDF: 159.7/115



Right In: 0.007+/-0.000 χ^2/NDF: 8411692.1/32

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14801751.2/35

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

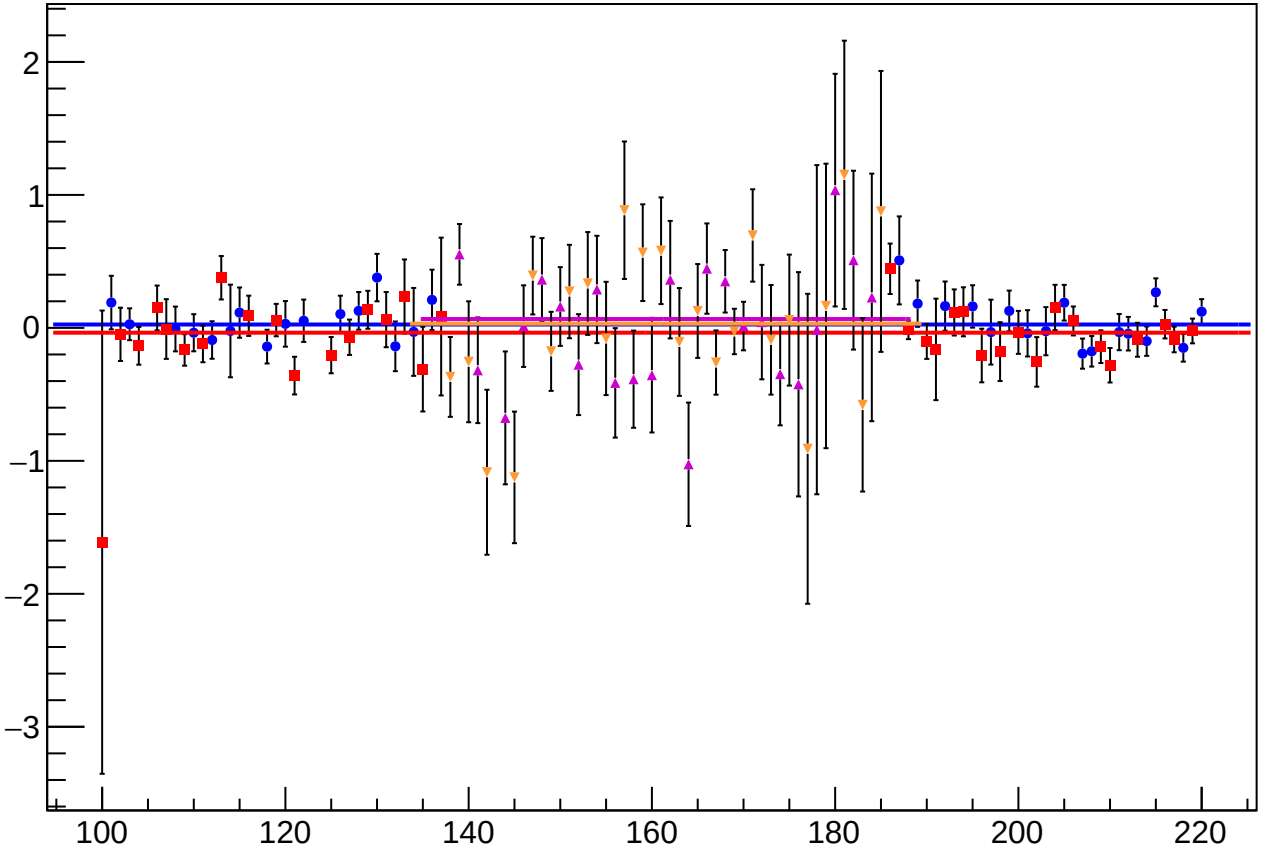
Right: 0.006+/-0.000 χ^2/NDF: 24847119.8/68

In: 0.005+/-0.000 χ^2/NDF:25857352.5/55

Out: 0.004+/-0.000 χ^2/NDF:30108776.7/59

All: 0.005+/-0.000 χ^2/NDF: 56398149.5/115

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.026 χ^2/NDF: 34.0/32

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

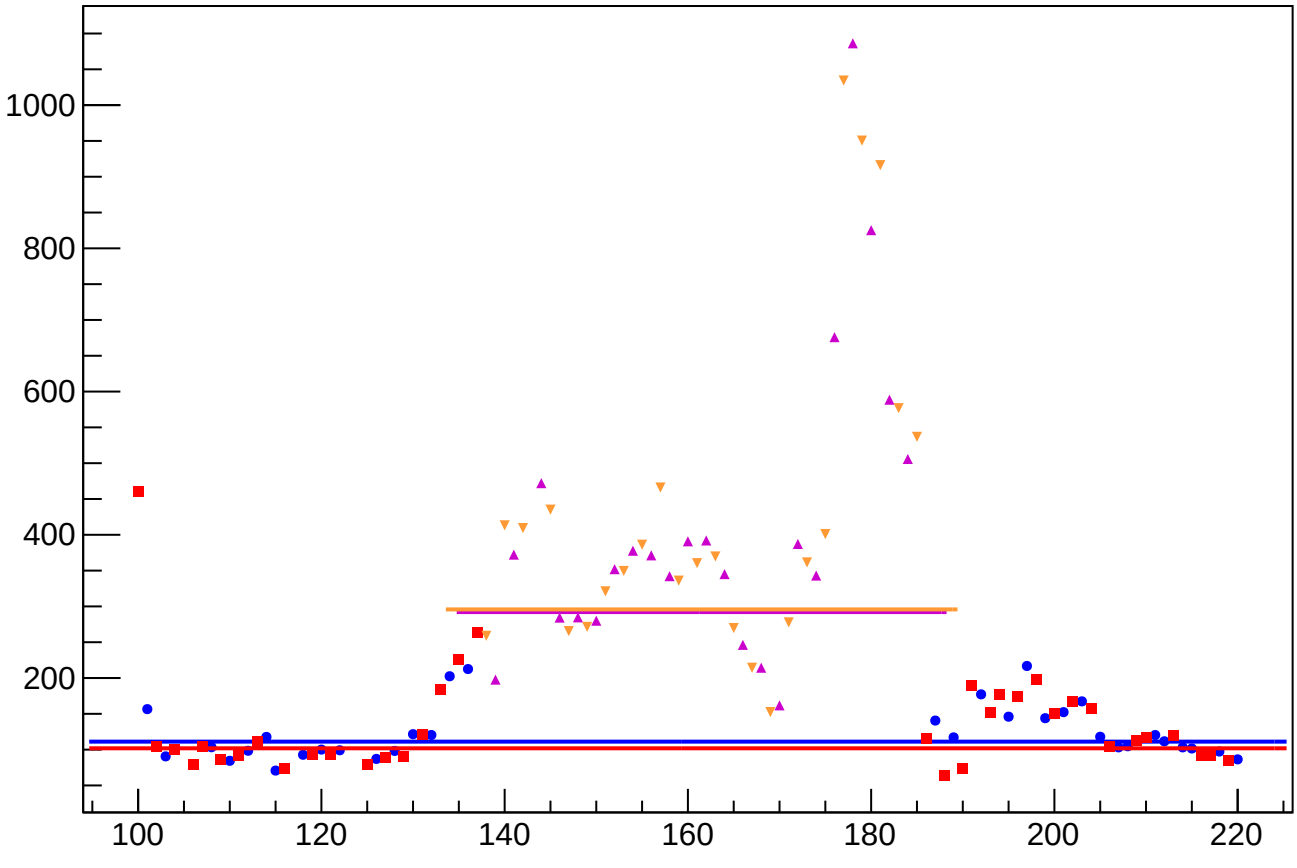
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.007+/-0.017 χ^2/NDF: 77.1/68

In: 0.030+/-0.024 χ^2/NDF:60.0/55

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.002+/-0.017 χ^2/NDF: 133.6/115



Right In: 111.176+/-0.018 χ^2/NDF: 2420373.9/32

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 101.845+/-0.017 χ^2/NDF: 3762237.5/35

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

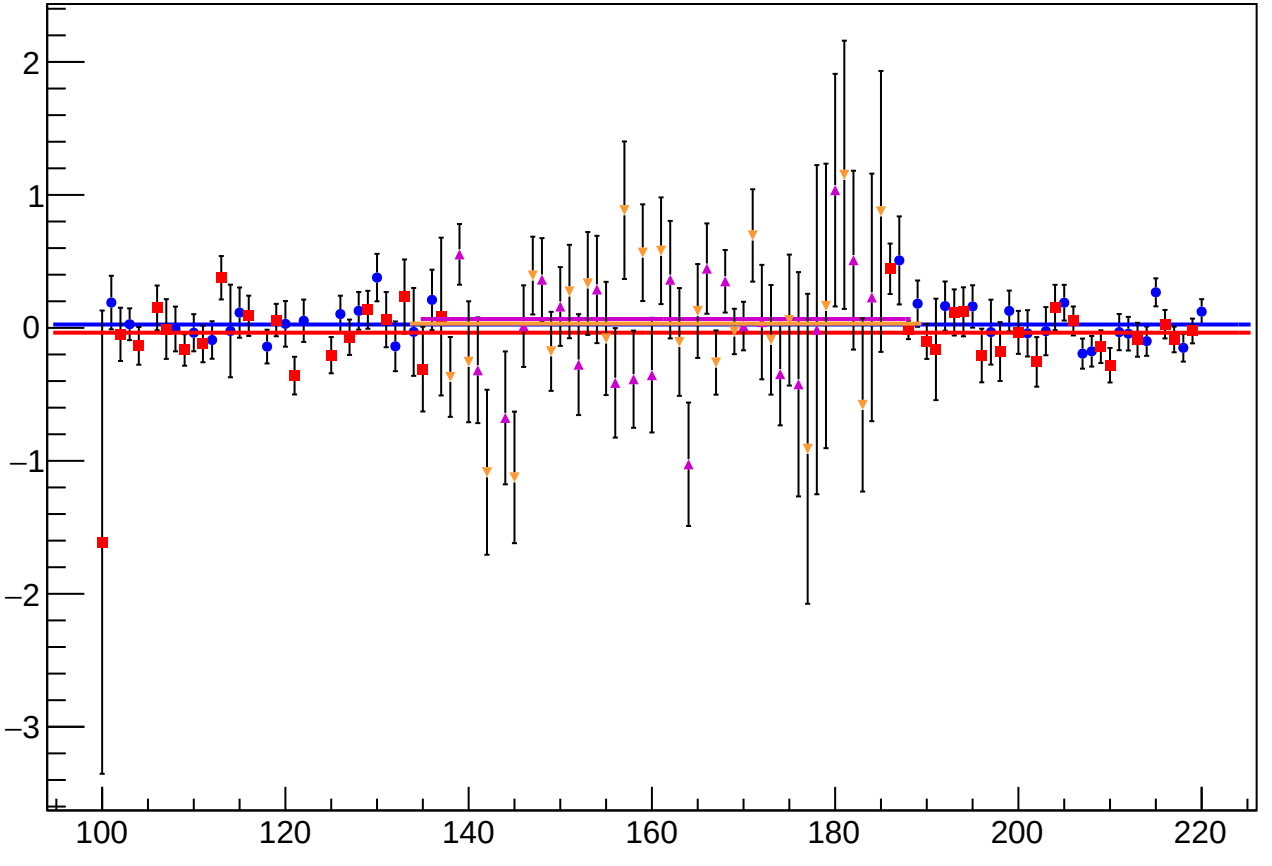
Right: 106.198+/-0.012 χ^2/NDF: 6324842.6/68

In: 130.126+/-0.017 χ^2/NDF:17973891.0/55

Out: 119.297+/-0.016 χ^2/NDF:21115400.7/59

All: 124.393+/-0.012 χ^2/NDF: 39301628.5/11

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.026 χ^2/NDF: 34.0/32

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

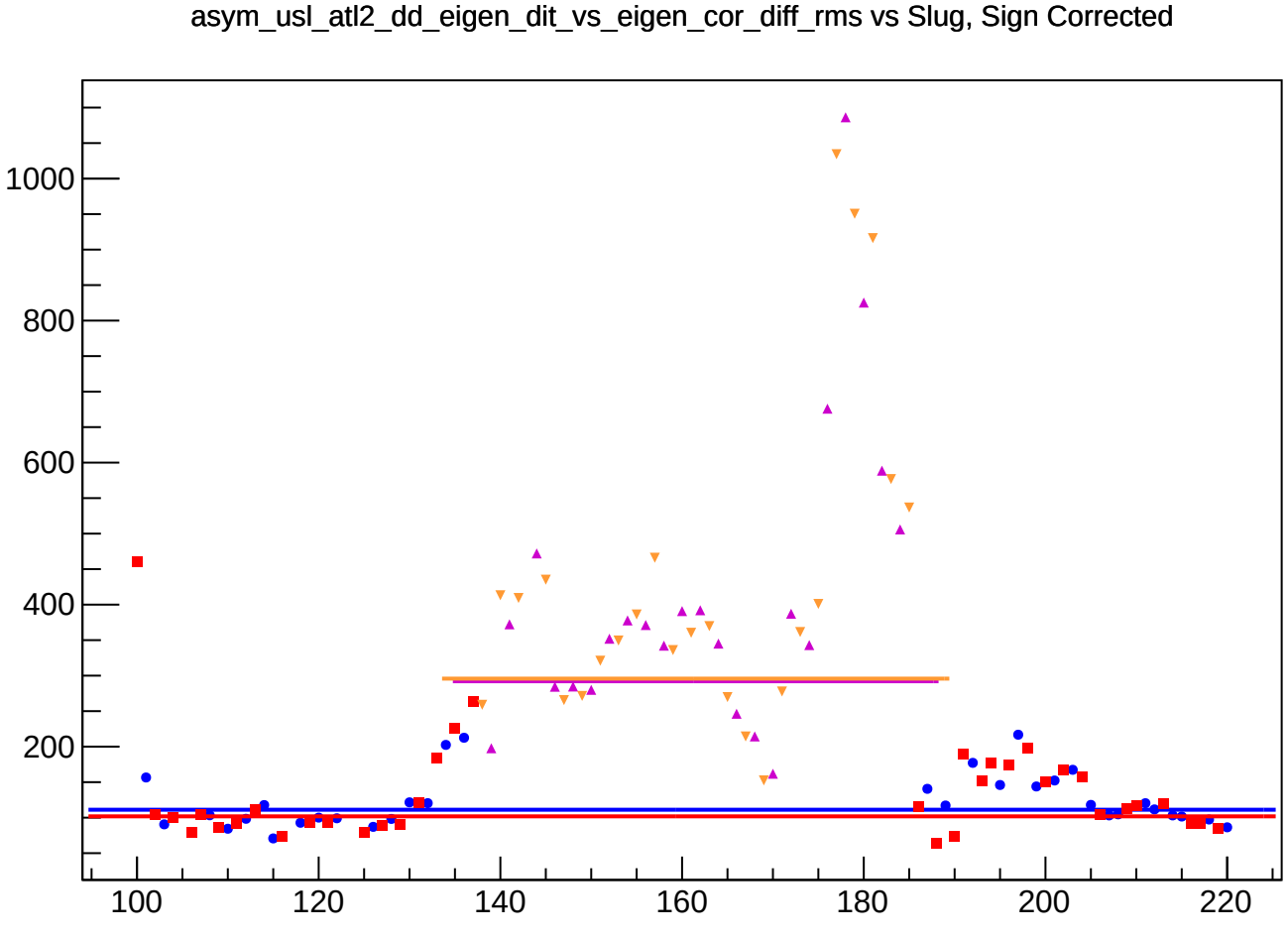
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.007+/-0.017 χ^2/NDF: 77.1/68

In: 0.030+/-0.024 χ^2/NDF:60.0/55

Out: -0.030+/-0.023 χ^2/NDF:70.4/59

All: -0.002+/-0.017 χ^2/NDF: 133.6/115



Right In: 111.176+/-0.018 χ^2/NDF: 2420373.9/32

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 101.845+/-0.017 χ^2/NDF: 3762237.5/35

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

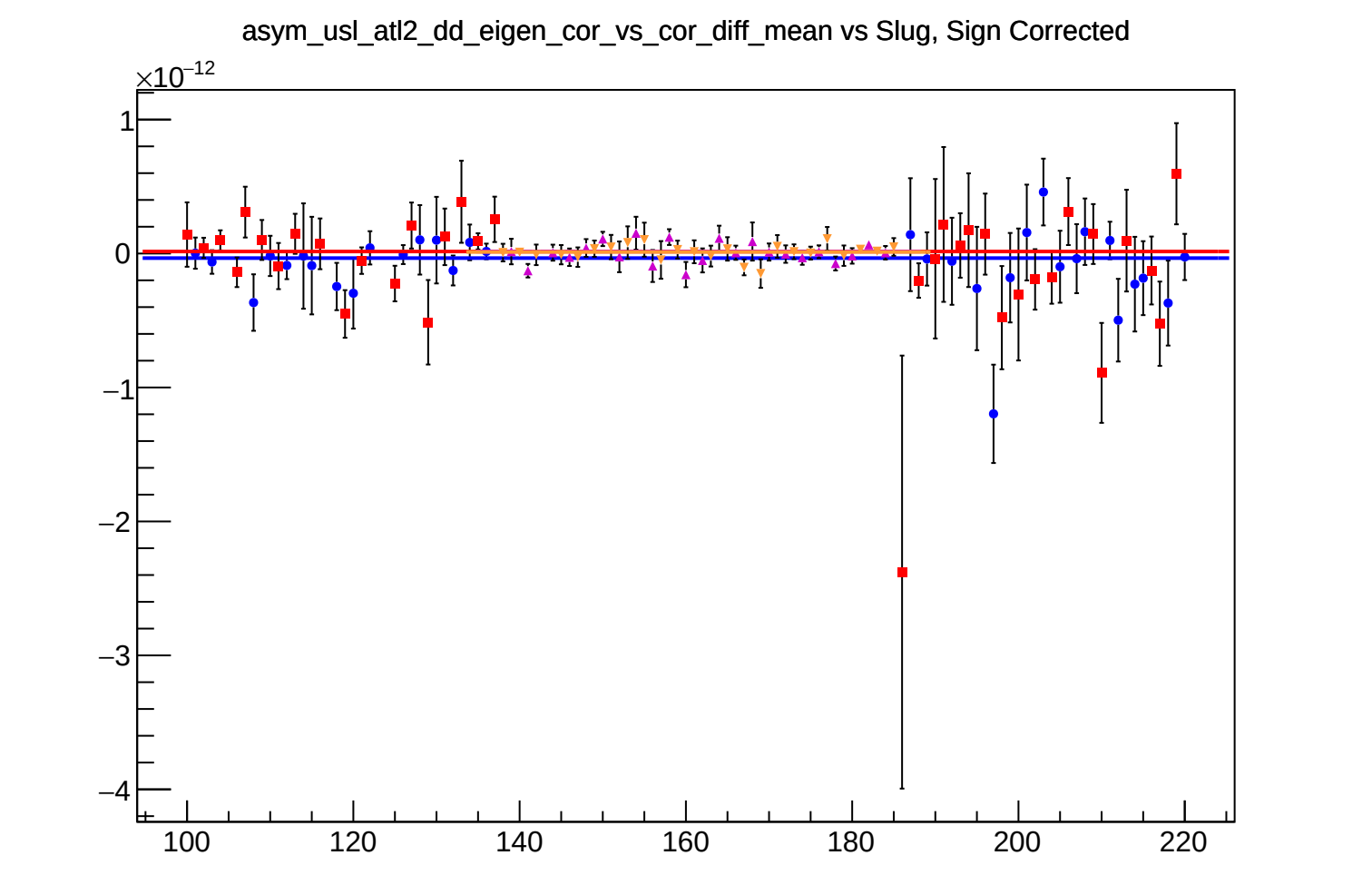
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 106.198+/-0.012 χ^2/NDF: 6324842.6/68

In: 130.126+/-0.017 χ^2/NDF:17973891.0/55

Out: 119.297+/-0.016 χ^2/NDF:21115400.7/59

All: 124.393+/-0.012 χ^2/NDF: 39301628.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 50.4/35

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

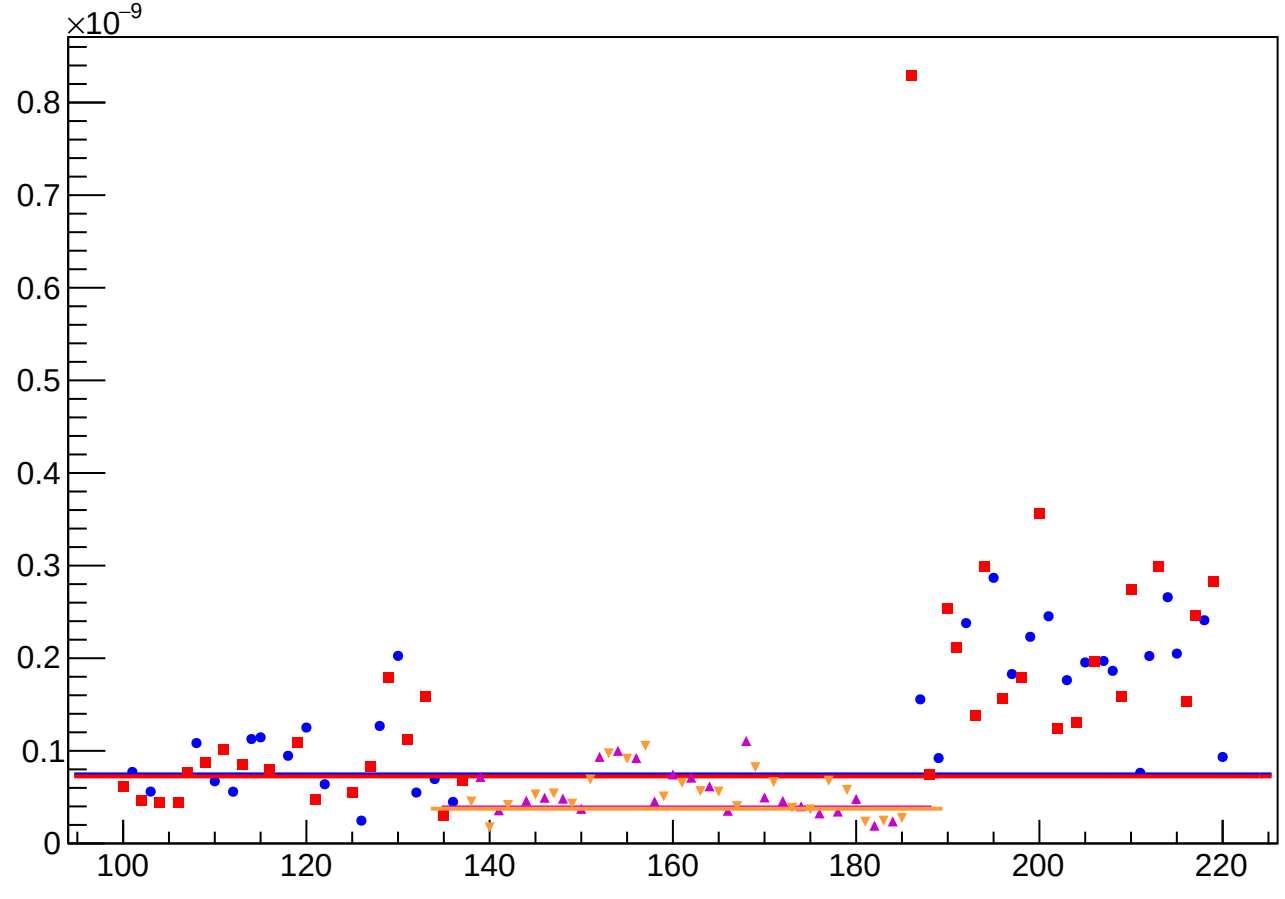
Right: -0.000+/-0.000 χ^2/NDF: 81.1/68

In: 0.000+/-0.000 χ^2/NDF:62.7/55

Out: 0.000+/-0.000 χ^2/NDF:61.0/59

All: 0.000+/-0.000 χ^2/NDF: 123.8/115

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7936609.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8687100.7/35

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

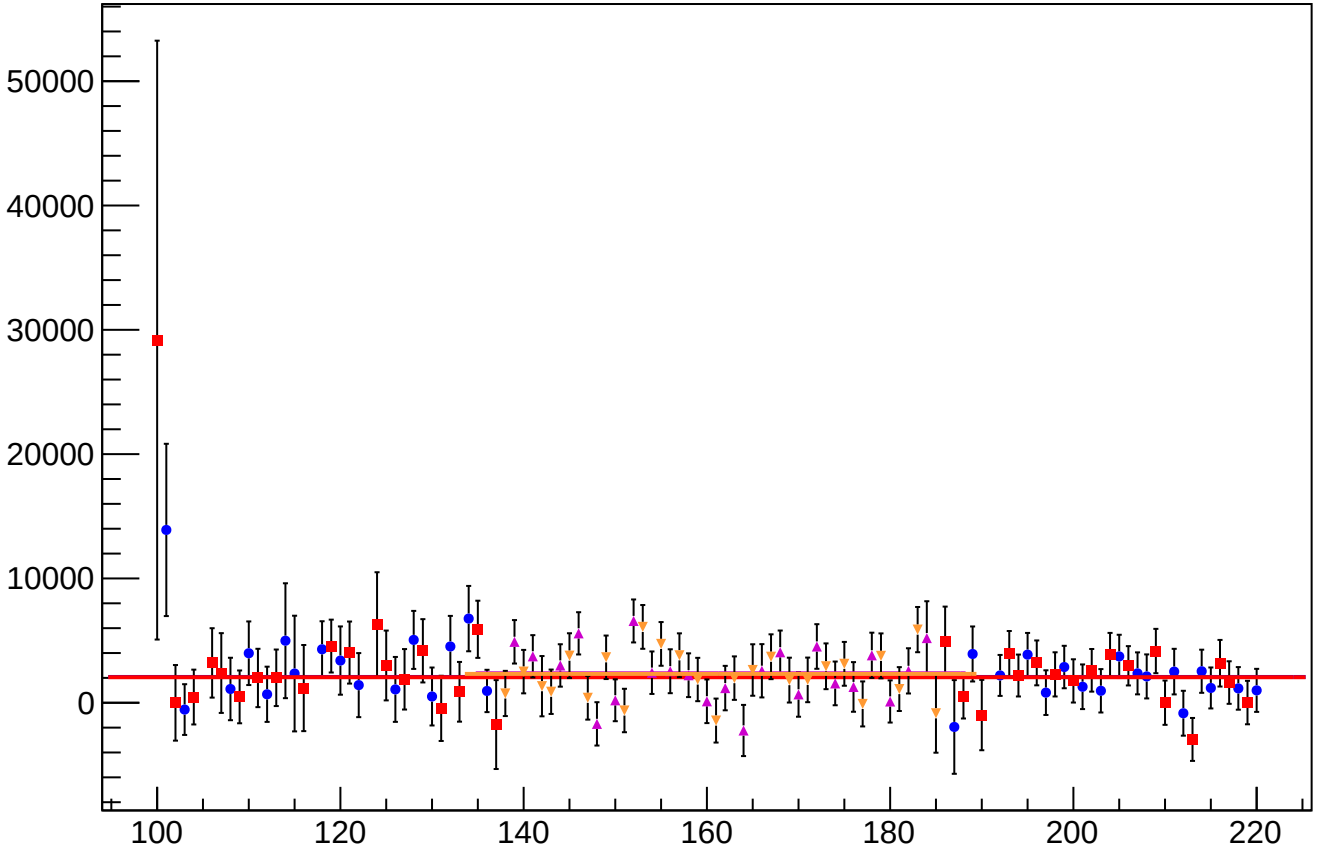
Right: 0.000+/-0.000 χ^2/NDF: 16630356.1/68

In: 0.000+/-0.000 χ^2/NDF:15479721.2/55

Out: 0.000+/-0.000 χ^2/NDF:16592548.4/59

All: 0.000+/-0.000 χ^2/NDF: 32089608.3/115

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2074.318+/-359.021 χ^2/NDF: 23.0/32

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2054.749+/-356.687 χ^2/NDF: 30.9/35

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

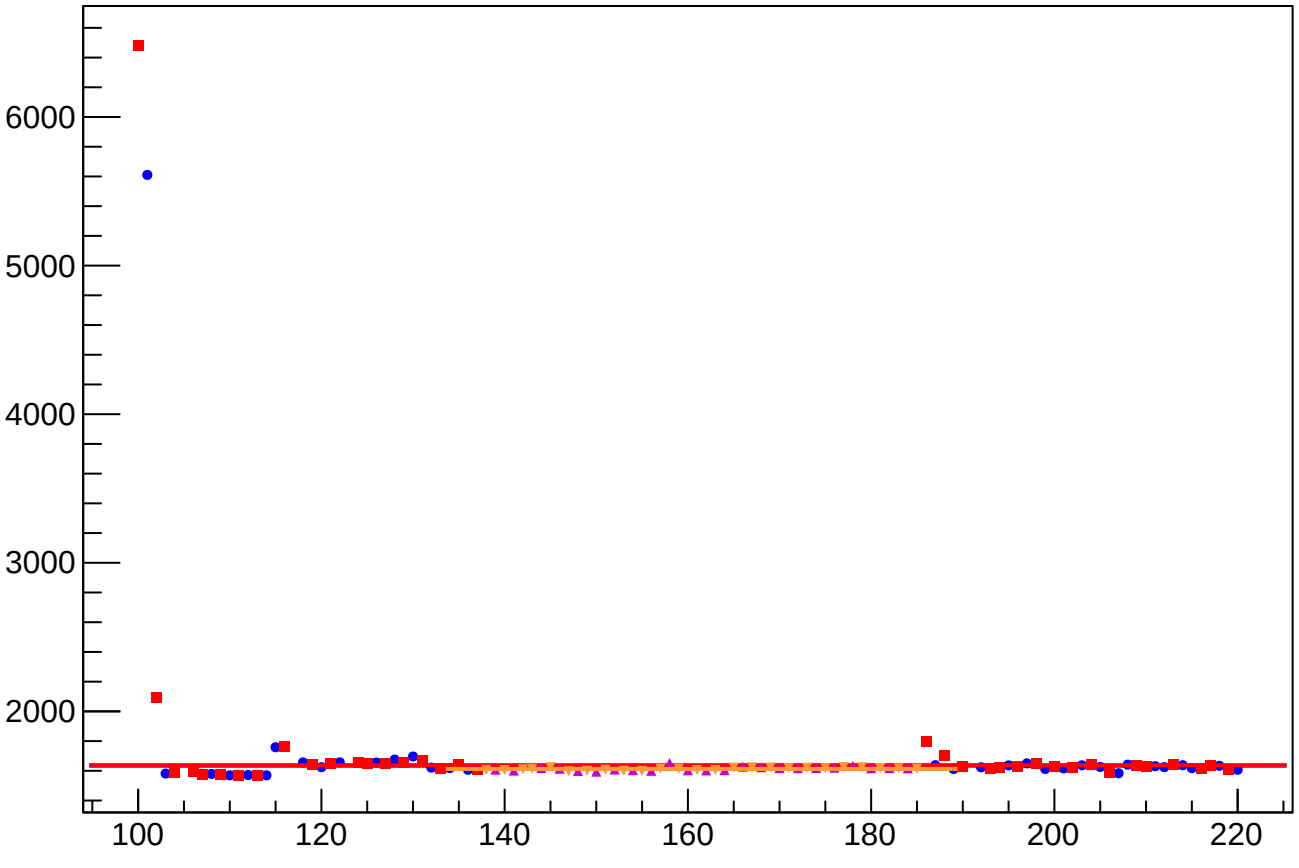
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2064.470+/-253.037 χ^2/NDF: 54.0/68

In: 2215.319+/-259.924 χ^2/NDF:57.1/55

Out: 2184.367+/-255.547 χ^2/NDF:58.7/60

All: 2199.580+/-182.227 χ^2/NDF: 115.8/116



Right In: 1635.008+/-0.254 χ^2/NDF: 672360.1/32

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.288+/-0.252 χ^2/NDF: 149745.2/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

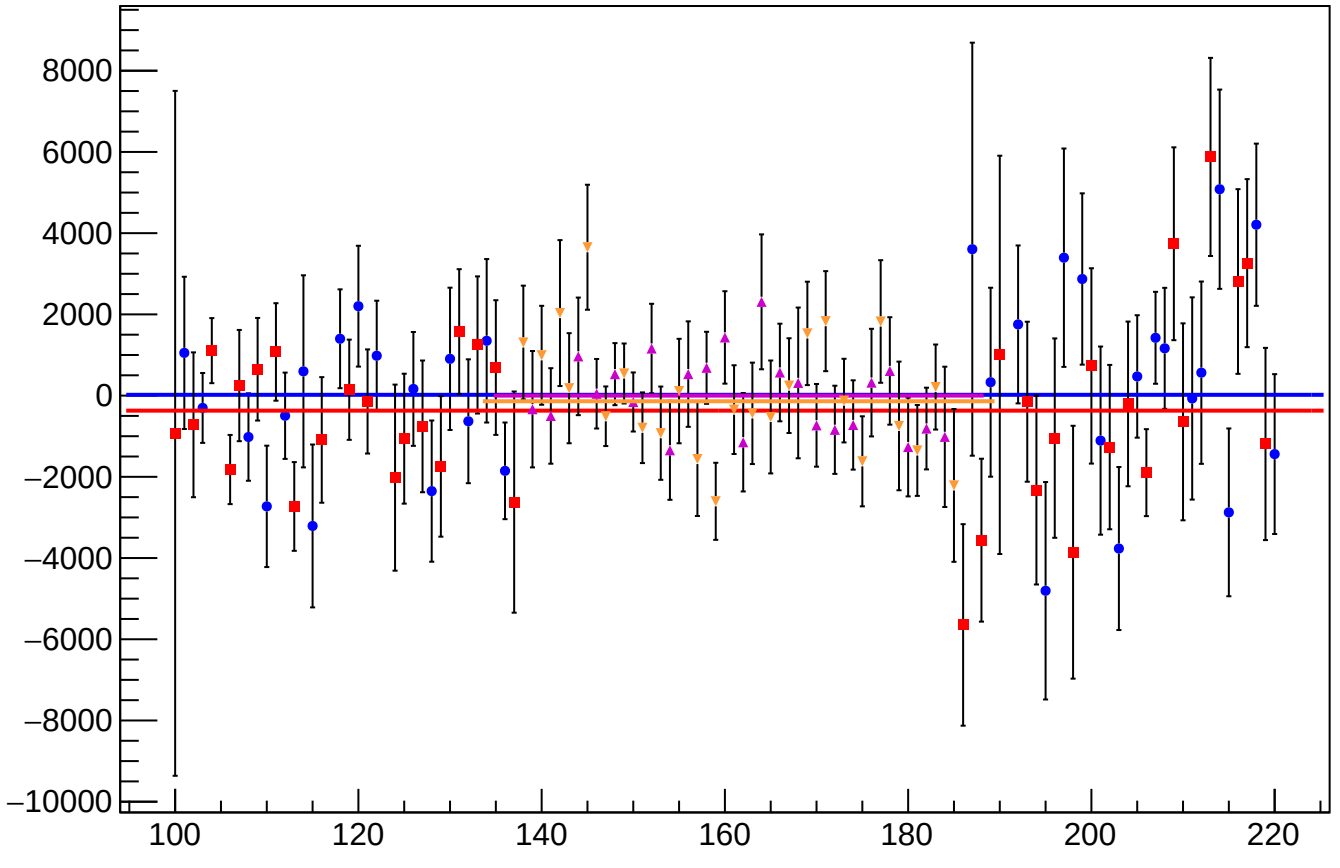
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1636.156+/-0.179 χ^2/NDF: 822145.9/68

In: 1624.913+/-0.184 χ^2/NDF:678037.9/55

Out: 1625.276+/-0.181 χ^2/NDF:155578.2/60

All: 1625.097+/-0.129 χ^2/NDF: 833618.1/116



Right In: 19.563+/-279.037 χ^2/NDF: 42.0/32

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -370.407+/-267.006 χ^2/NDF: 45.1/35

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

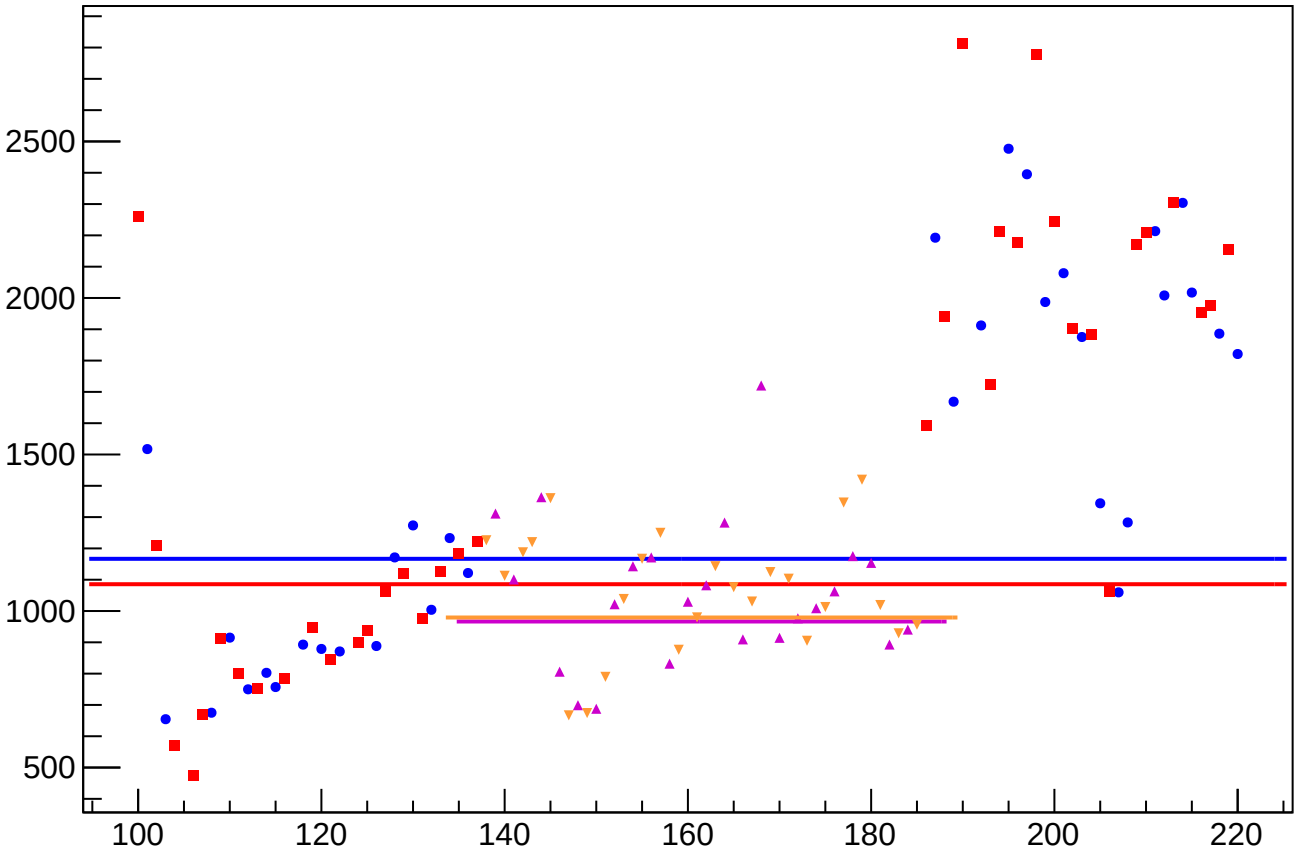
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -184.010+/-192.915 χ^2/NDF: 88.1/68

In: 7.938+/-178.350 χ^2/NDF:54.9/55

Out: -237.151+/-173.881 χ^2/NDF:75.7/60

All: -117.716+/-124.502 χ^2/NDF: 131.5/116



Right In: 1166.750+/-0.197 χ^2/NDF: 6245106.7/32

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1085.633+/-0.189 χ^2/NDF: 8529560.3/35

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

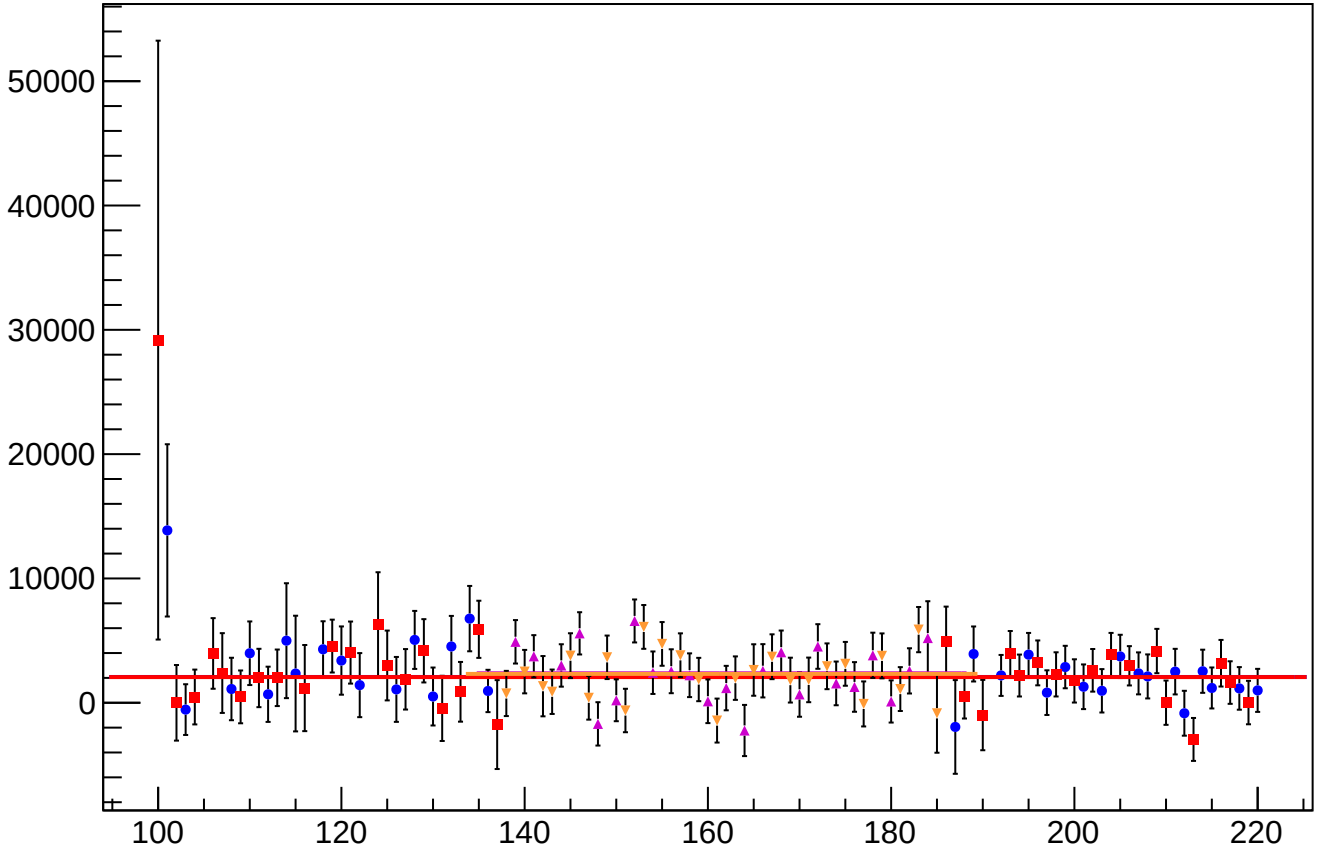
Right: 1124.405+/-0.136 χ^2/NDF: 14862899.0/68

In: 1048.323+/-0.126 χ^2/NDF:8456781.4/55

Out: 1024.392+/-0.123 χ^2/NDF:10342875.5/60

All: 1036.054+/-0.088 χ^2/NDF: 18818119.3/1

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2074.066+/-359.021 χ^2/NDF: 23.0/32

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2066.264+/-356.787 χ^2/NDF: 31.2/35

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

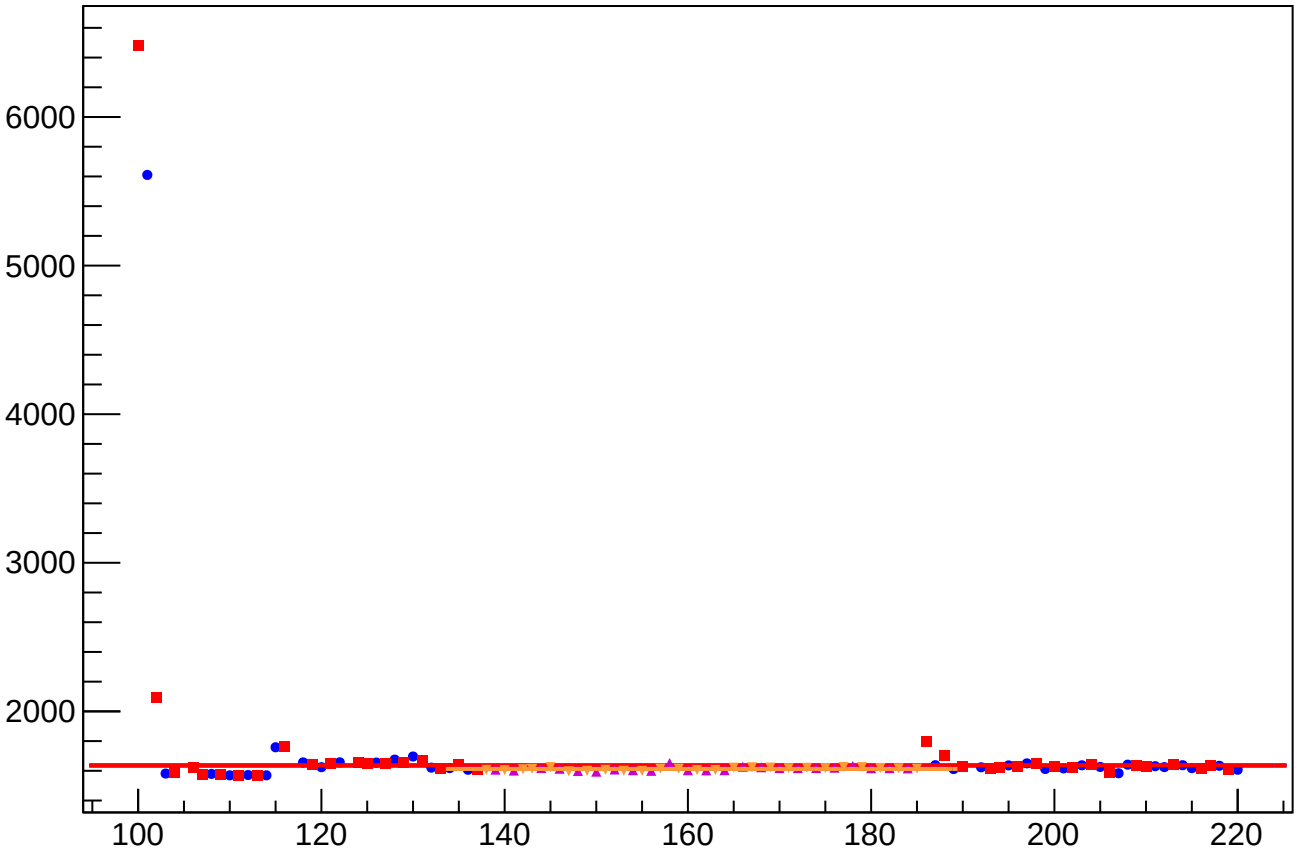
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2070.140+/-253.073 χ^2/NDF: 54.2/68

In: 2215.221+/-259.924 χ^2/NDF:57.1/55

Out: 2190.293+/-255.584 χ^2/NDF:58.9/60

All: 2202.547+/-182.240 χ^2/NDF: 116.0/116



Right In: 1635.008+/-0.254 χ^2/NDF: 672359.6/32

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

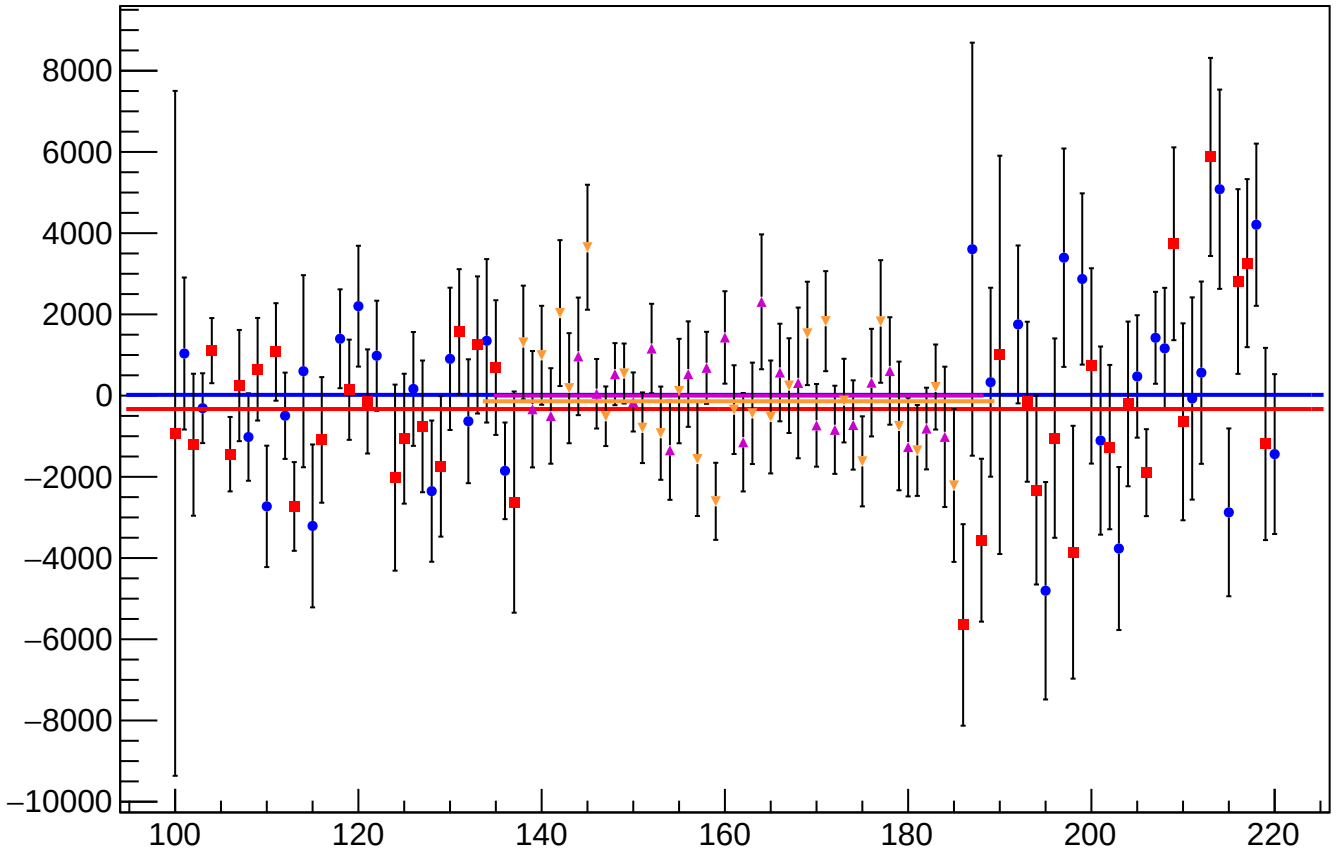
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1636.378+/-0.179 χ^2/NDF: 821739.7/68

In: 1624.913+/-0.184 χ^2/NDF:678037.4/55

Out: 1625.499+/-0.181 χ^2/NDF:155322.6/60

All: 1625.211+/-0.129 χ^2/NDF: 833365.2/116



Right In: 18.632+/-279.012 χ^2/NDF: 42.0/32

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -330.347+/-268.721 χ^2/NDF: 43.7/35

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

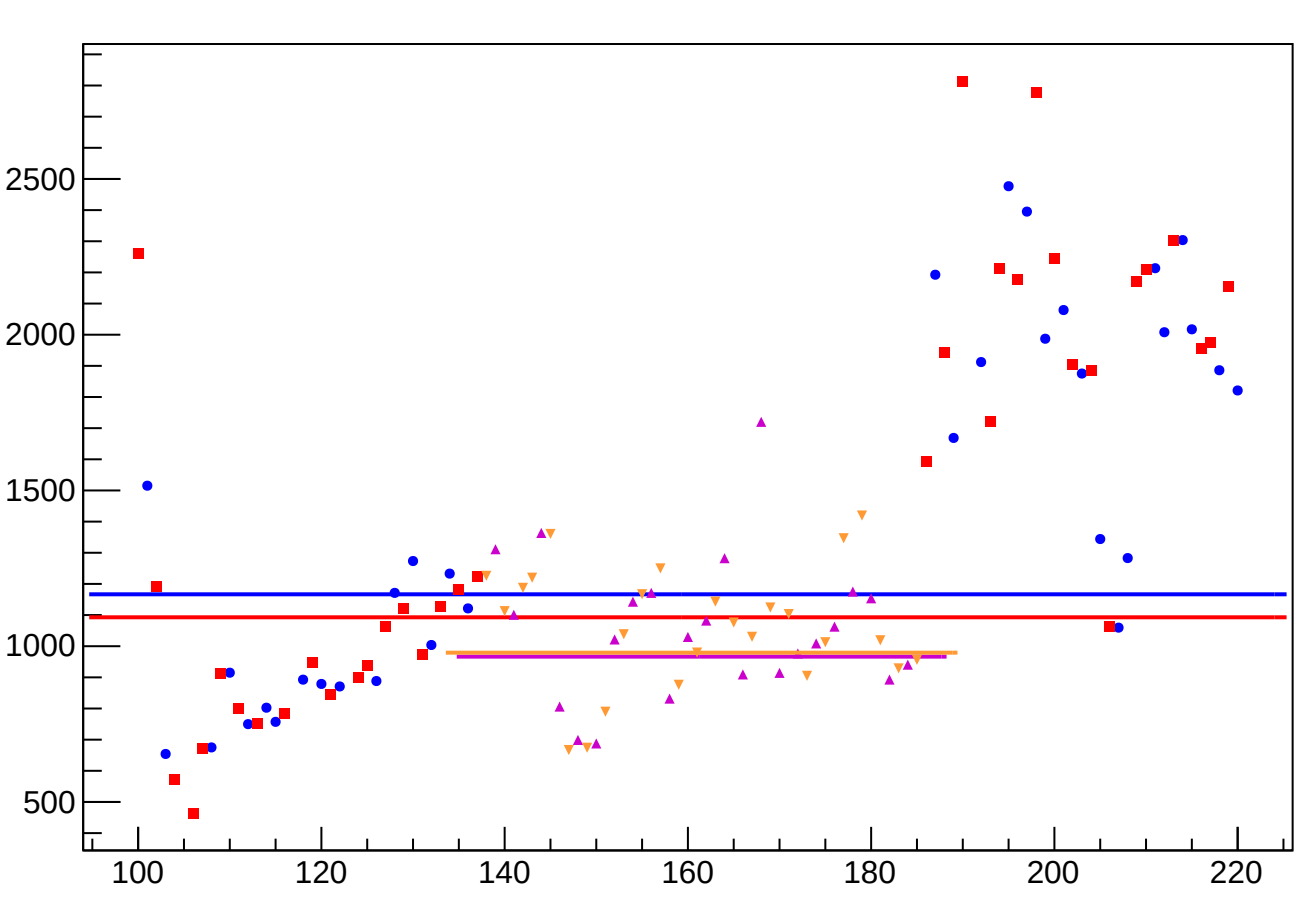
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -162.412+/-193.550 χ^2/NDF: 86.5/68

In: 7.573+/-178.344 χ^2/NDF:54.9/55

Out: -219.593+/-174.351 χ^2/NDF:74.2/60

All: -108.582+/-124.673 χ^2/NDF: 129.9/116



Right In: 1166.636+/-0.197 χ^2/NDF: 6246172.7/32

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1092.820+/-0.190 χ^2/NDF: 8414914.2/35

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

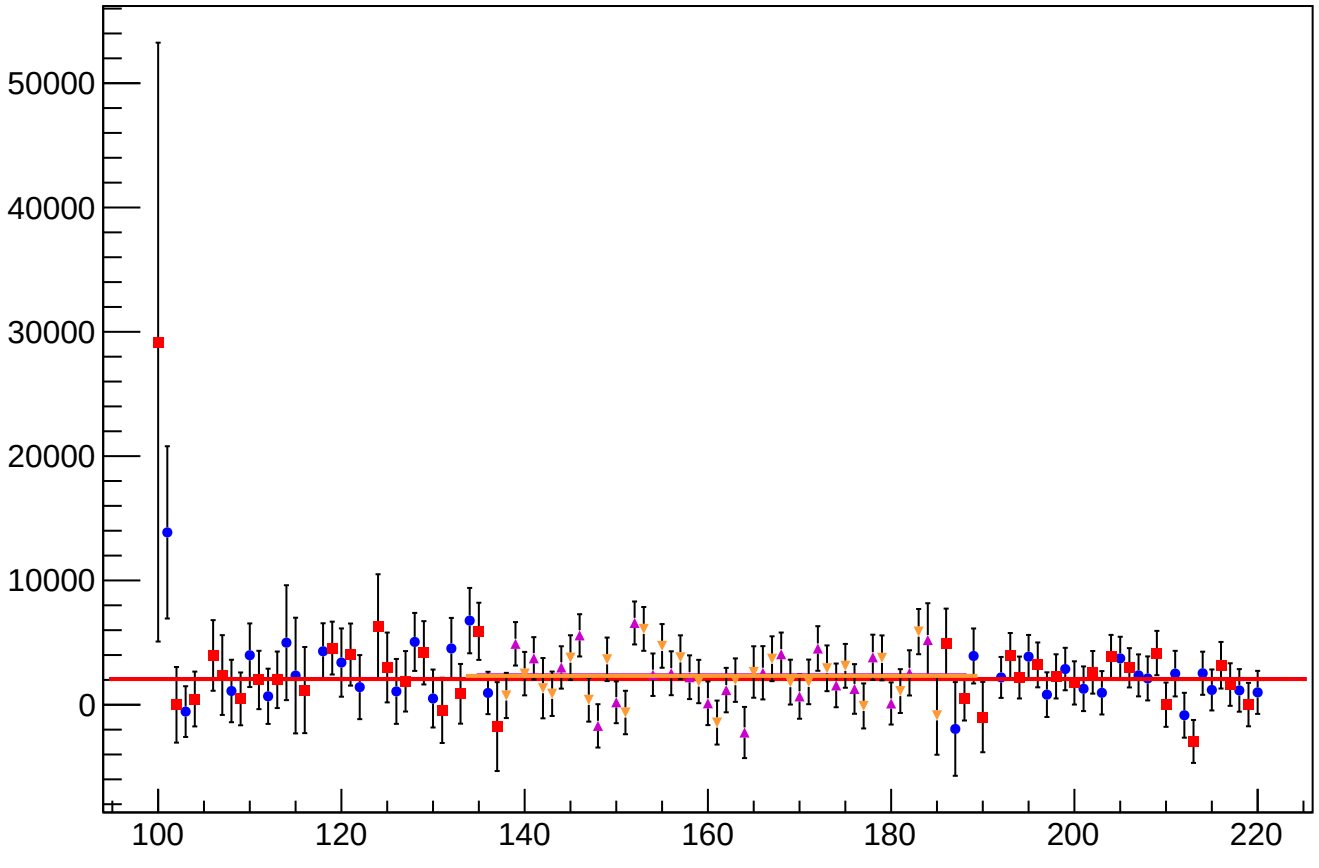
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1128.342+/-0.137 χ^2/NDF: 14733708.6/68

In: 1048.289+/-0.126 χ^2/NDF:8457145.1/55

Out: 1027.081+/-0.123 χ^2/NDF:10252357.7/60

All: 1037.445+/-0.088 χ^2/NDF: 18723963.5/



Right In: 2074.066+/-359.021 χ^2/NDF: 23.0/32

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2066.264+/-356.787 χ^2/NDF: 31.2/35

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

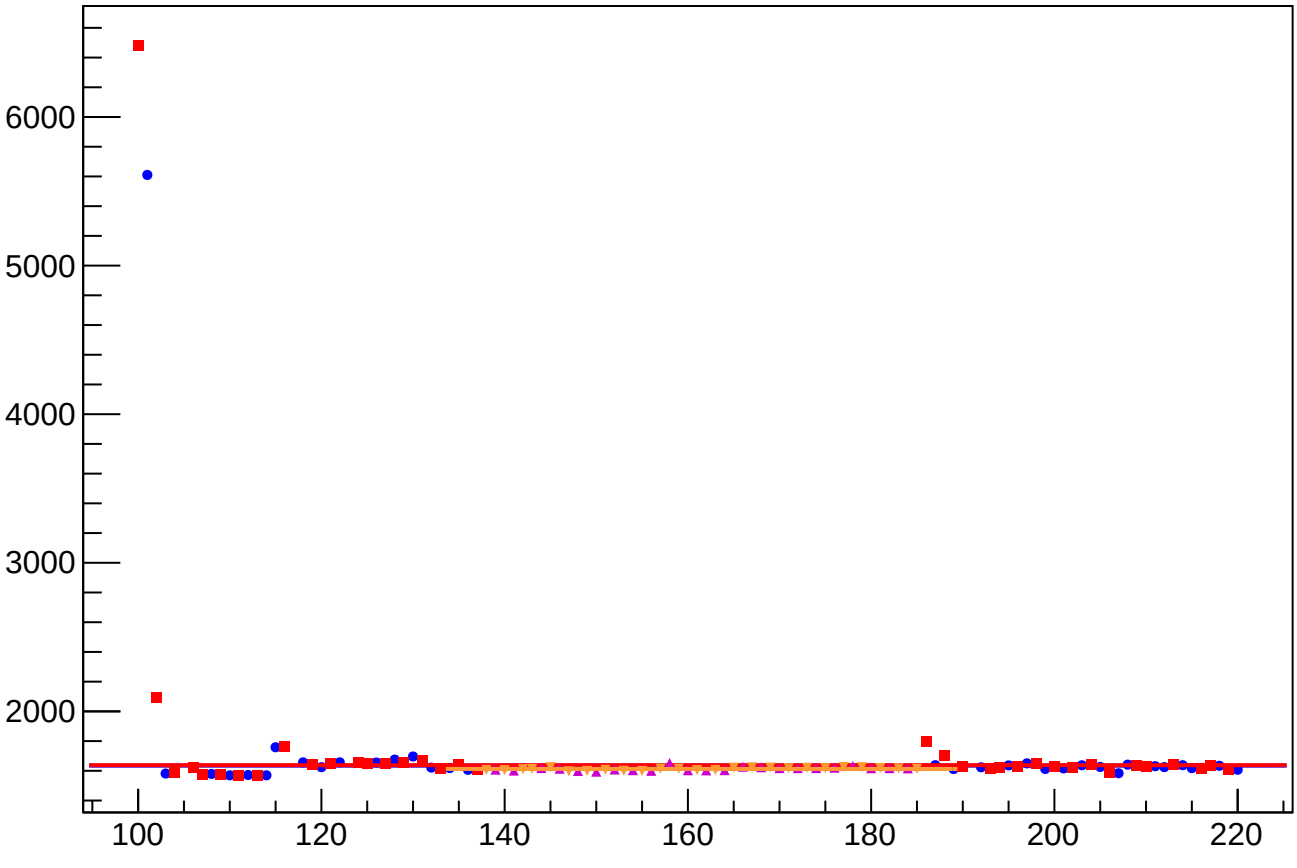
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2070.140+/-253.073 χ^2/NDF: 54.2/68

In: 2215.221+/-259.924 χ^2/NDF:57.1/55

Out: 2190.293+/-255.584 χ^2/NDF:58.9/60

All: 2202.547+/-182.240 χ^2/NDF: 116.0/116



Right In: 1635.008+/-0.254 χ^2/NDF: 672359.6/32

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

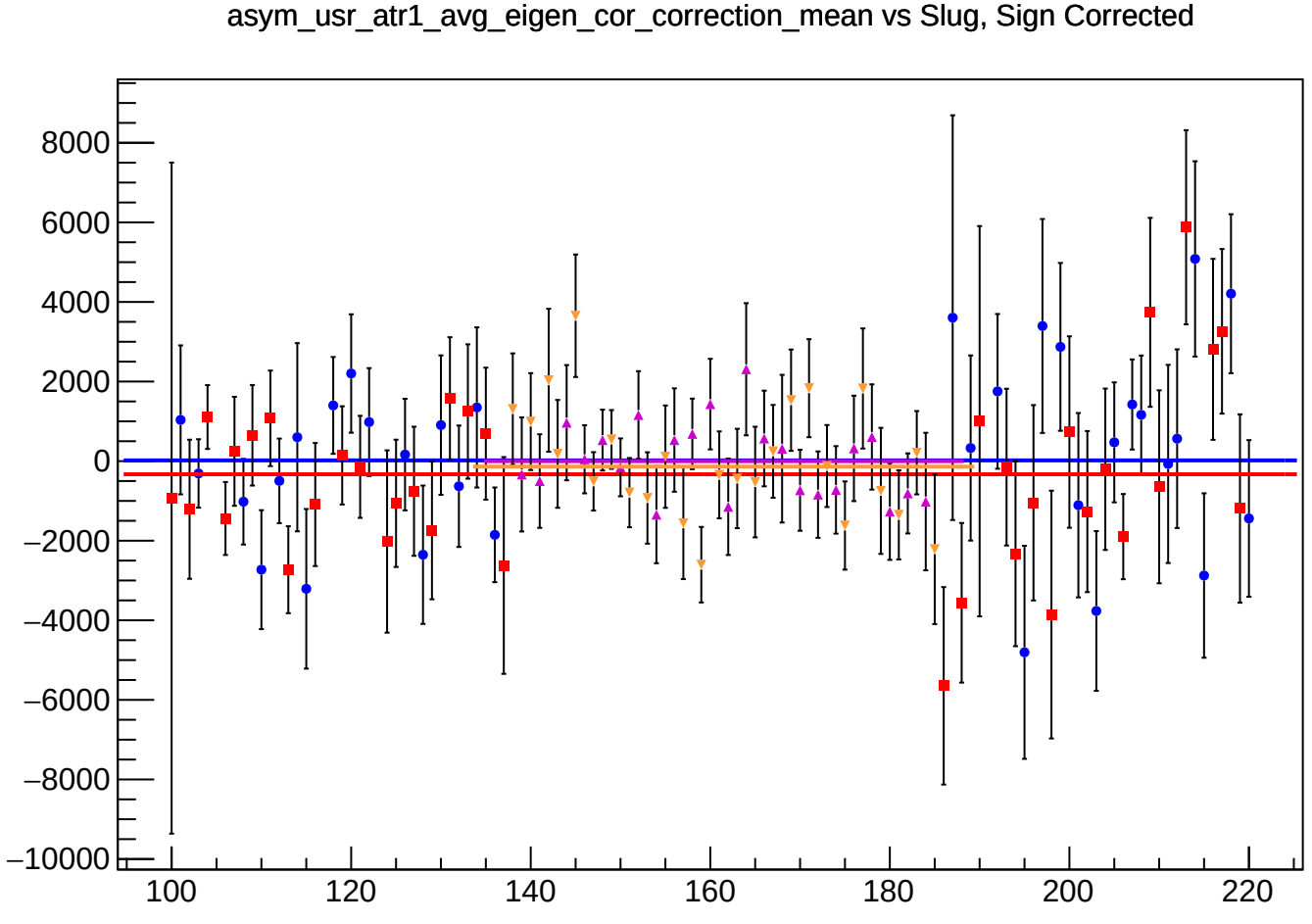
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1636.378+/-0.179 χ^2/NDF: 821739.7/68

In: 1624.913+/-0.184 χ^2/NDF:678037.4/55

Out: 1625.499+/-0.181 χ^2/NDF:155322.6/60

All: 1625.211+/-0.129 χ^2/NDF: 833365.2/116



Right In: 18.632+/-279.012 χ^2/NDF: 42.0/32

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -330.347+/-268.721 χ^2/NDF: 43.7/35

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

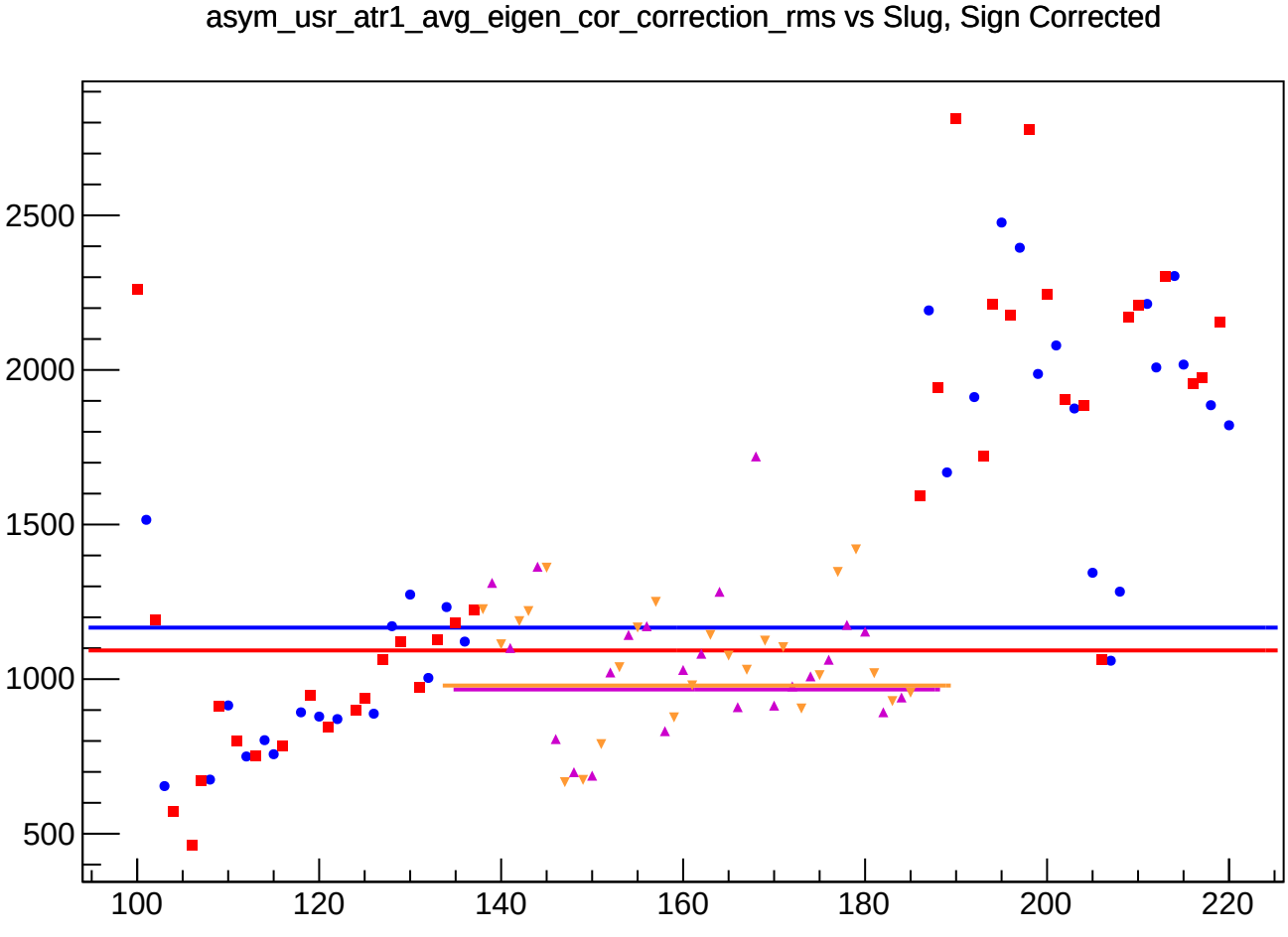
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -162.412+/-193.550 χ^2/NDF: 86.5/68

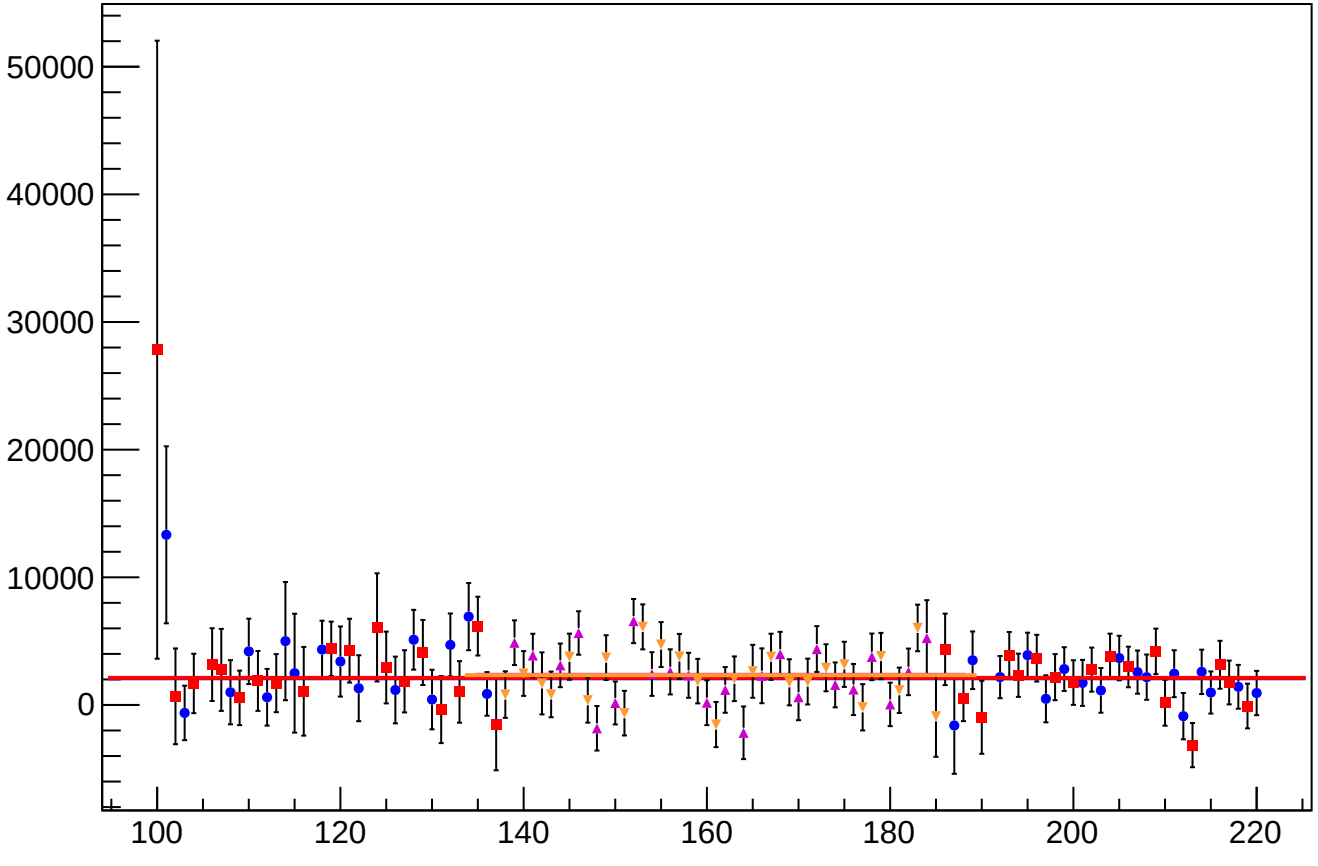
In: 7.573+/-178.344 χ^2/NDF:54.9/55

Out: -219.593+/-174.351 χ^2/NDF:74.2/60

All: -108.582+/-124.673 χ^2/NDF: 129.9/116


asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1166.636+/-0.197 χ²/NDF: 6246172.7/32
Left Out: 979.288+/-0.162 χ²/NDF:1630731.2/24
Right Out: 1092.820+/-0.190 χ²/NDF: 8414914.2/35
Left In: 966.531+/-0.164 χ²/NDF:1602562.1/22
Left: 972.987+/-0.115 χ²/NDF: 3236355.9/47
Right: 1128.342+/-0.137 χ²/NDF: 14733708.6/68
In: 1048.289+/-0.126 χ²/NDF:8457145.1/55
Out: 1027.081+/-0.123 χ²/NDF:10252357.7/60
All: 1037.445+/-0.088 χ²/NDF: 18723963.5/1

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2092.432+/-360.898 χ^2/NDF: 23.0/32

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2122.403+/-359.576 χ^2/NDF: 30.2/35

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

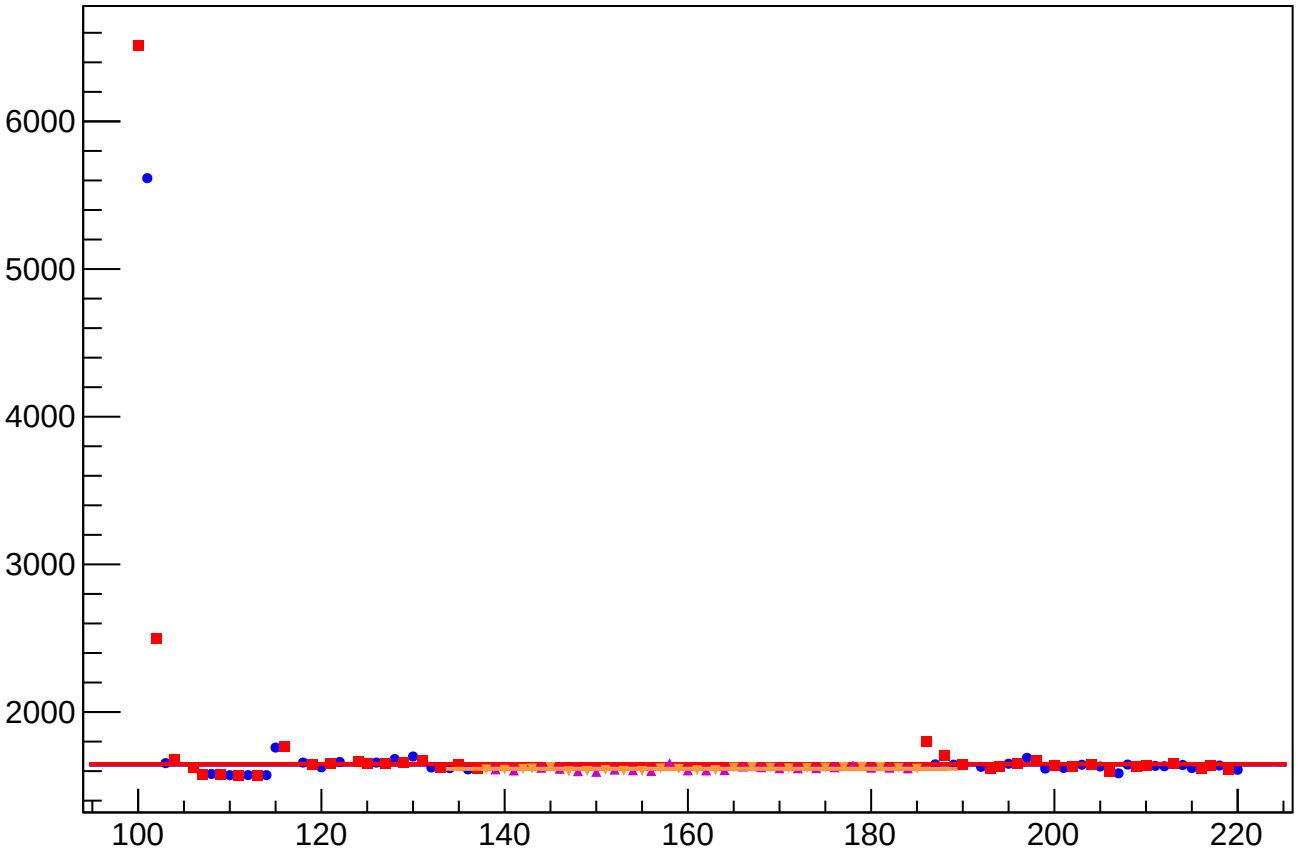
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2107.472+/-254.725 χ^2/NDF: 53.3/68

In: 2220.376+/-260.832 χ^2/NDF:57.3/55

Out: 2226.454+/-256.840 χ^2/NDF:58.7/60

All: 2223.462+/-183.009 χ^2/NDF: 116.0/116



Right In: 1643.460+/-0.255 χ^2/NDF: 671521.0/32

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1647.901+/-0.254 χ^2/NDF: 207229.7/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

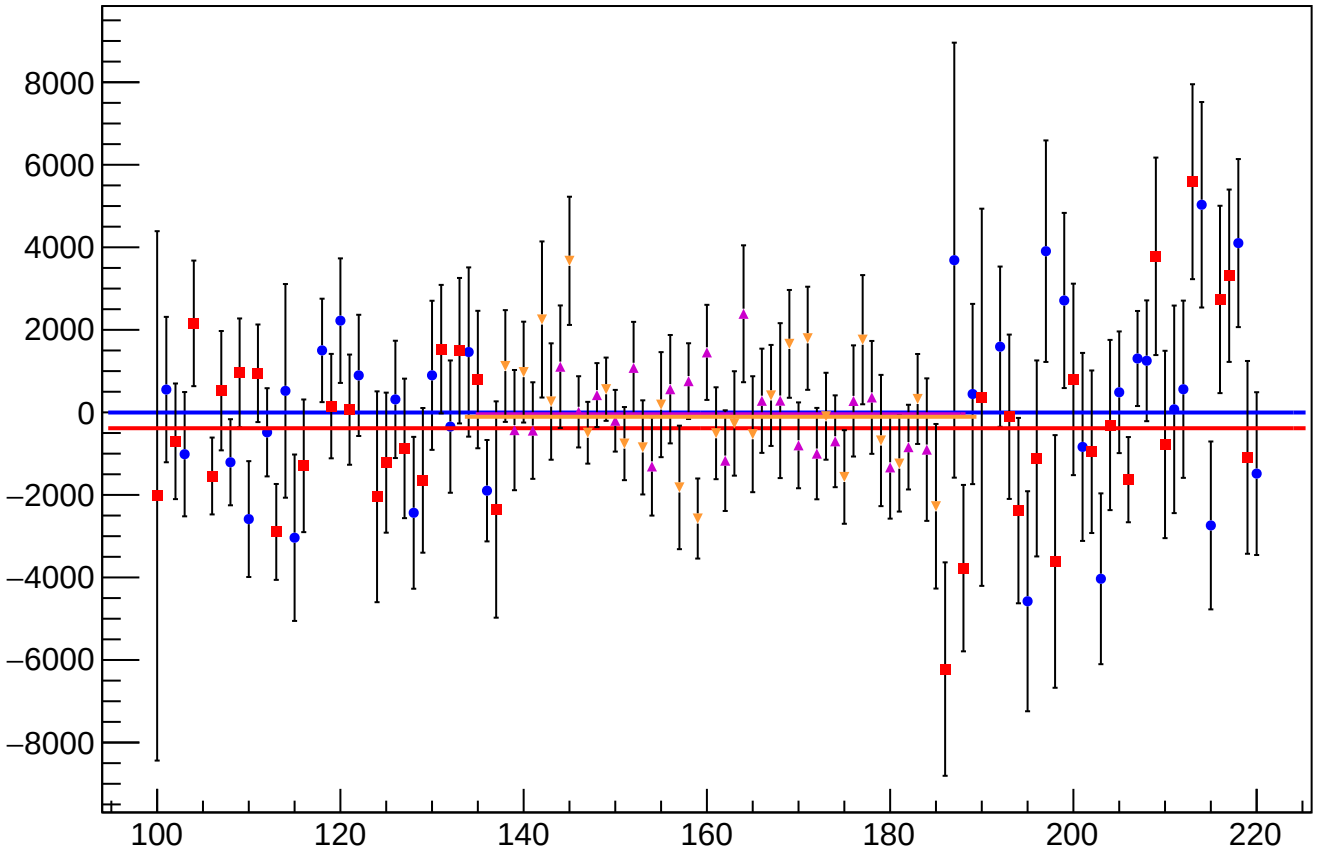
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1645.689+/-0.180 χ^2/NDF: 878902.7/68

In: 1630.516+/-0.184 χ^2/NDF:679465.2/55

Out: 1632.096+/-0.182 χ^2/NDF:216565.4/60

All: 1631.318+/-0.129 χ^2/NDF: 896067.9/116



Right In: -3.255+/-291.332 χ^2/NDF: 41.3/32

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -384.011+/-282.070 χ^2/NDF: 43.8/35

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

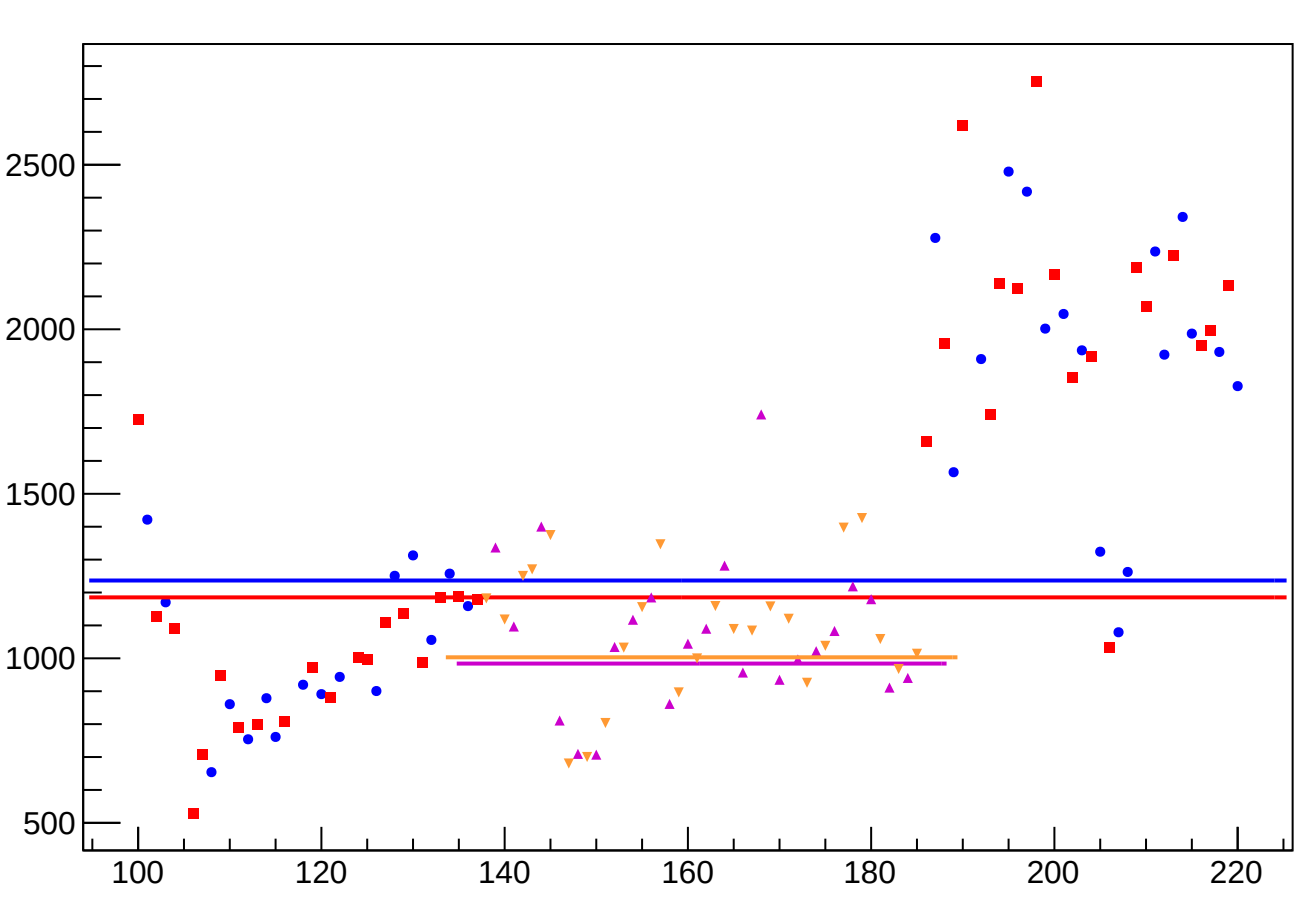
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -199.782+/-202.649 χ^2/NDF: 86.0/68

In: -28.161+/-183.255 χ^2/NDF:54.1/55

Out: -219.708+/-180.235 χ^2/NDF:73.4/60

All: -125.526+/-128.500 χ^2/NDF: 128.0/116



Right In: 1236.505+/-0.206 χ^2/NDF: 5382845.6/32

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1185.224+/-0.199 χ^2/NDF: 6789312.0/35

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

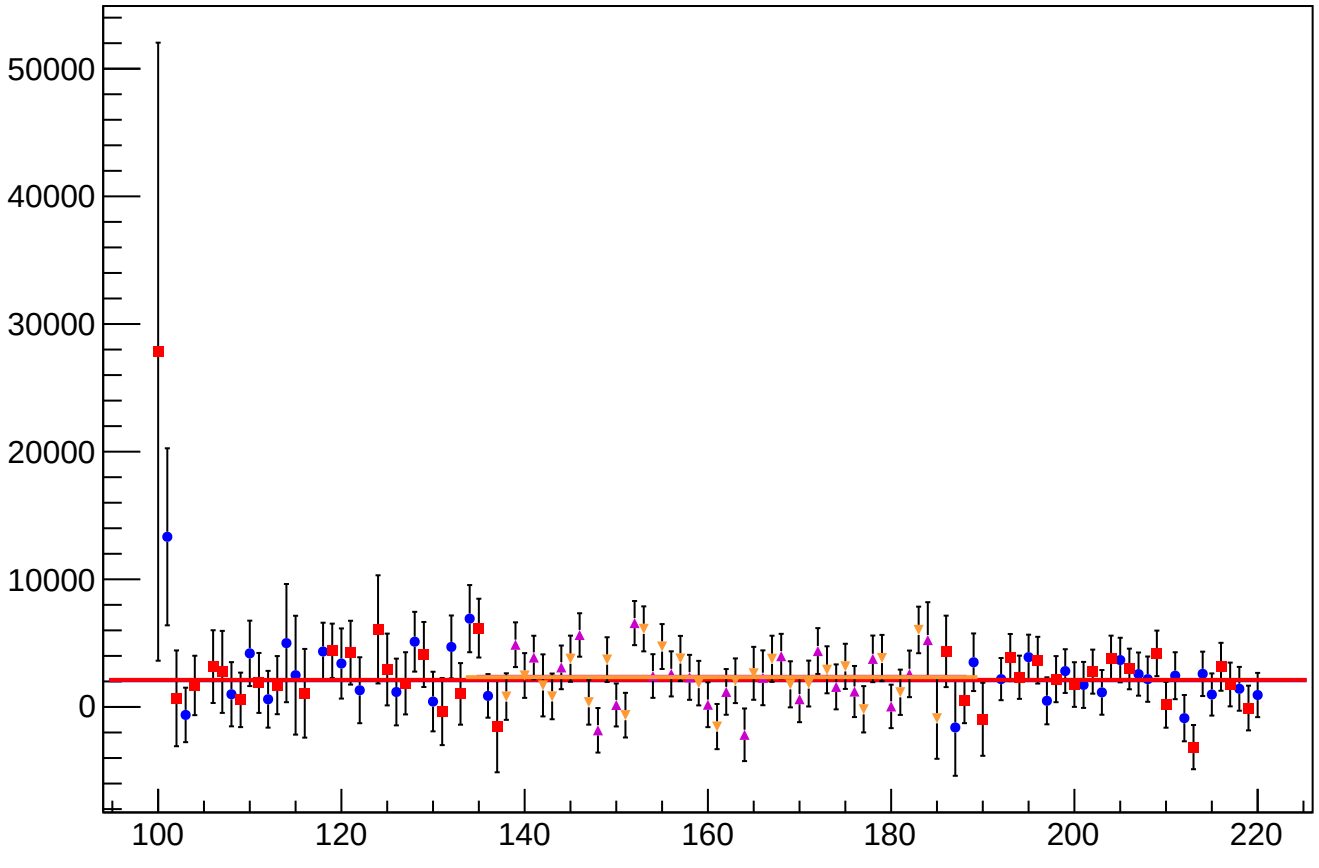
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1210.036+/-0.143 χ^2/NDF: 12204142.4/68

In: 1083.941+/-0.130 χ^2/NDF:7849977.6/55

Out: 1077.459+/-0.127 χ^2/NDF:8881078.3/60

All: 1080.646+/-0.091 χ^2/NDF: 16732327.9/1



Right In: 2092.433+/-360.898 χ^2/NDF: 23.0/32

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2122.403+/-359.576 χ^2/NDF: 30.2/35

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

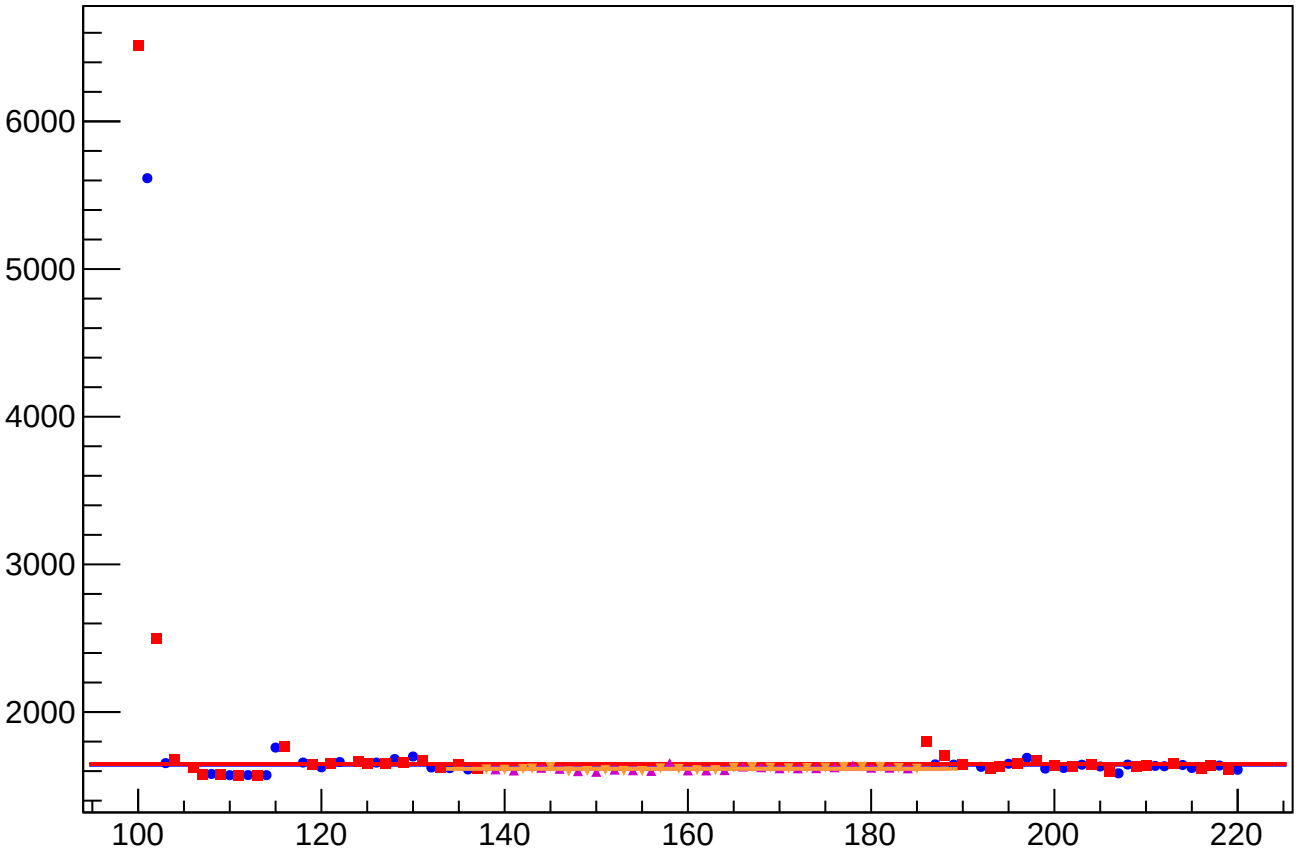
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2107.473+/-254.725 χ^2/NDF: 53.3/68

In: 2220.377+/-260.832 χ^2/NDF:57.3/55

Out: 2226.454+/-256.840 χ^2/NDF:58.7/60

All: 2223.462+/-183.008 χ^2/NDF: 116.0/116



Right In: 1643.460+/-0.255 χ^2/NDF: 671521.0/32

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1647.900+/-0.254 χ^2/NDF: 207229.6/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

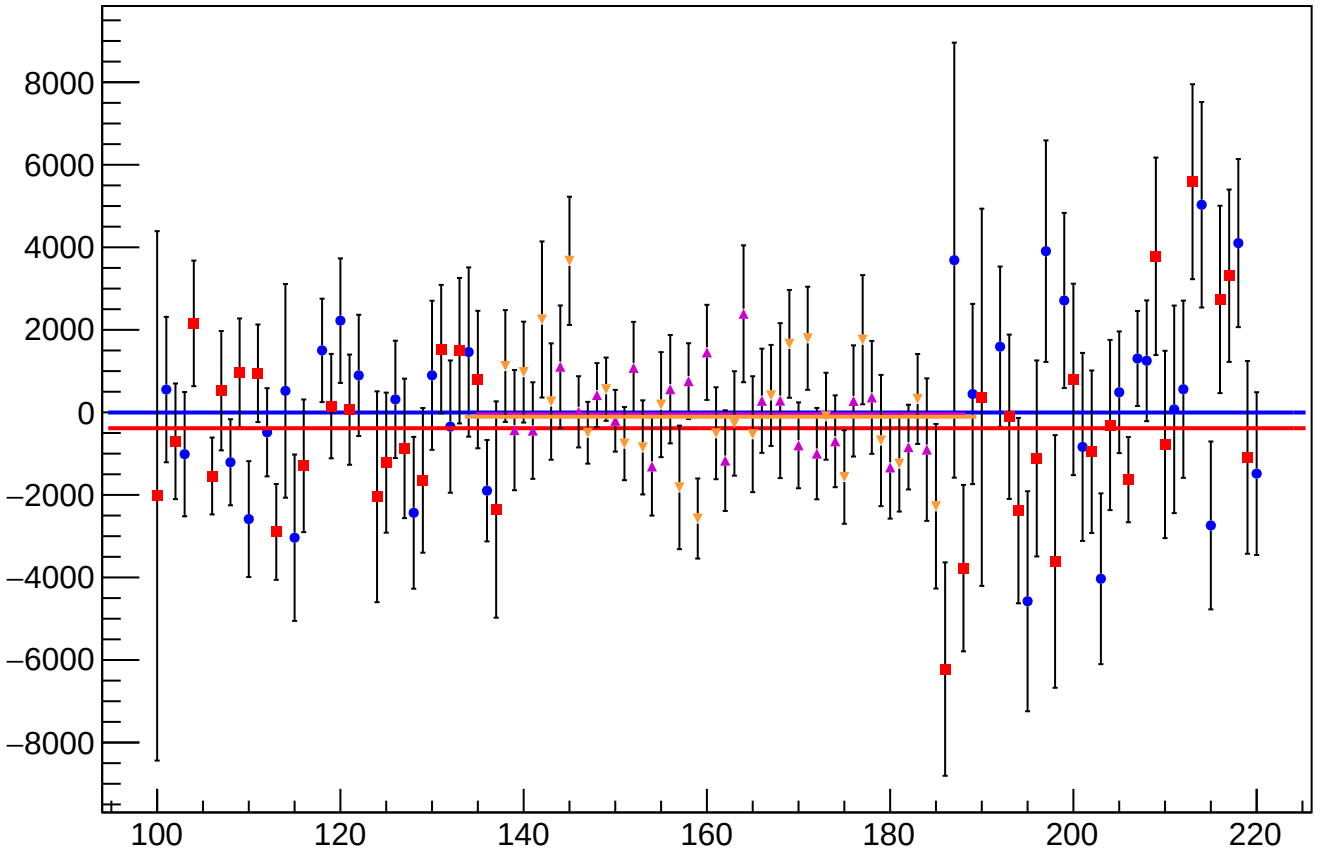
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1645.689+/-0.180 χ^2/NDF: 878902.5/68

In: 1630.516+/-0.184 χ^2/NDF:679465.2/55

Out: 1632.096+/-0.182 χ^2/NDF:216565.2/60

All: 1631.318+/-0.129 χ^2/NDF: 896067.7/116



Right In: -3.256+/-291.332 χ^2/NDF: 41.3/32

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -384.009+/-282.070 χ^2/NDF: 43.8/35

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

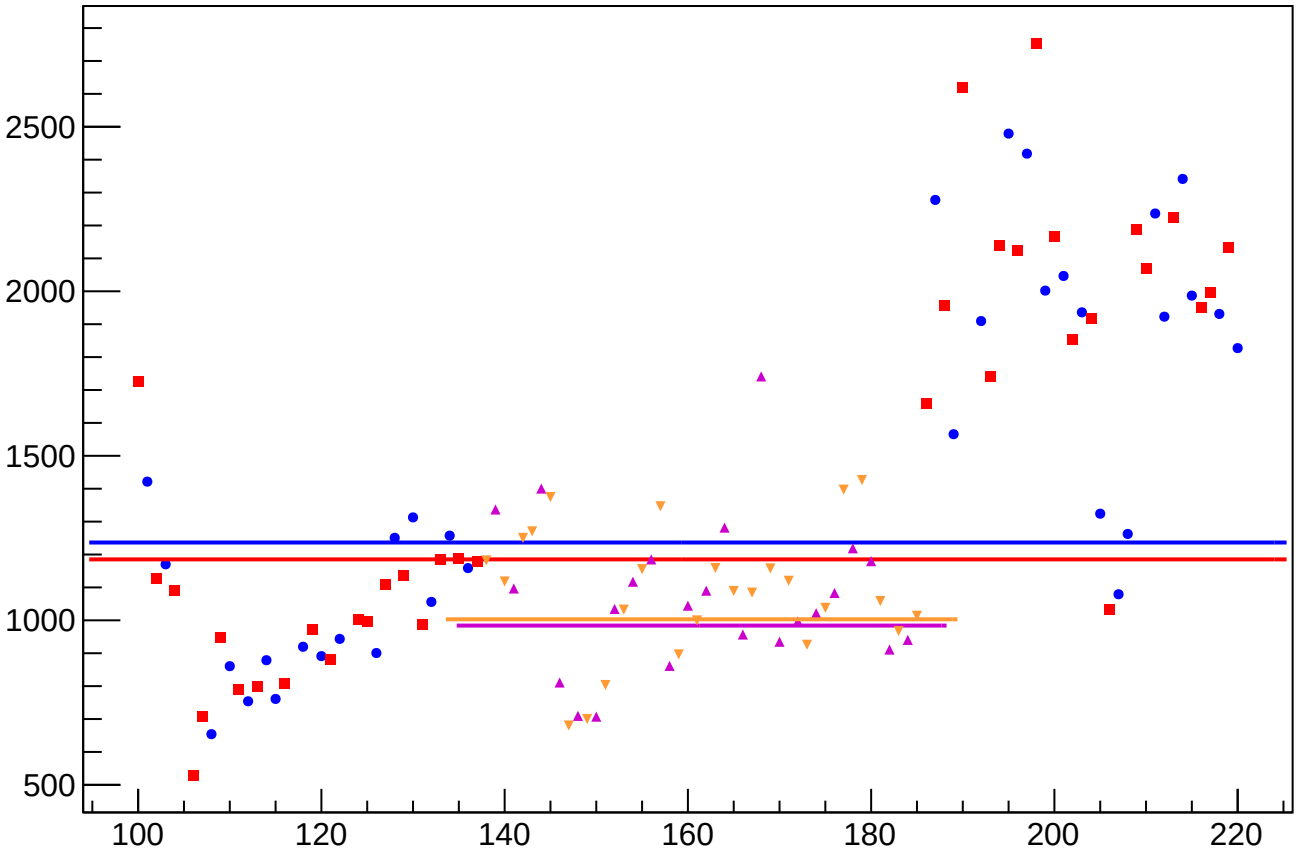
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -199.781+/-202.649 χ^2/NDF: 86.0/68

In: -28.162+/-183.255 χ^2/NDF:54.1/55

Out: -219.709+/-180.235 χ^2/NDF:73.4/60

All: -125.527+/-128.500 χ^2/NDF: 128.0/116



Right In: 1236.502+/-0.206 χ^2/NDF: 5382911.4/32

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1185.221+/-0.199 χ^2/NDF: 6789358.9/35

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

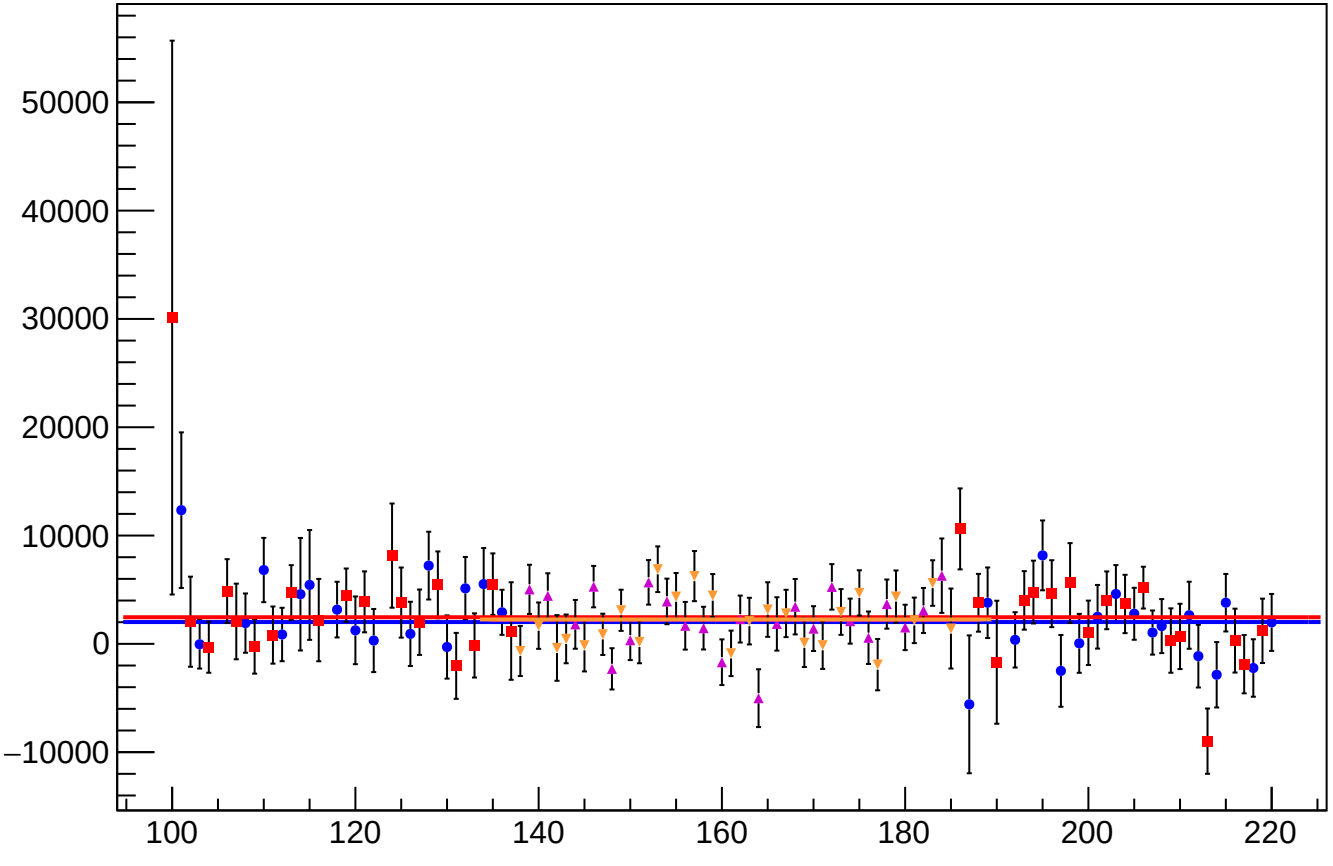
Right: 1210.033+/-0.143 χ^2/NDF: 12204254.6/68

In: 1083.942+/-0.130 χ^2/NDF:7850009.9/55

Out: 1077.460+/-0.127 χ^2/NDF:8881101.8/60

All: 1080.647+/-0.091 χ^2/NDF: 16732383.7/1

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2012.805+/-497.572 χ^2/NDF: 29.3/32

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 2458.234+/-497.444 χ^2/NDF: 42.4/35

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

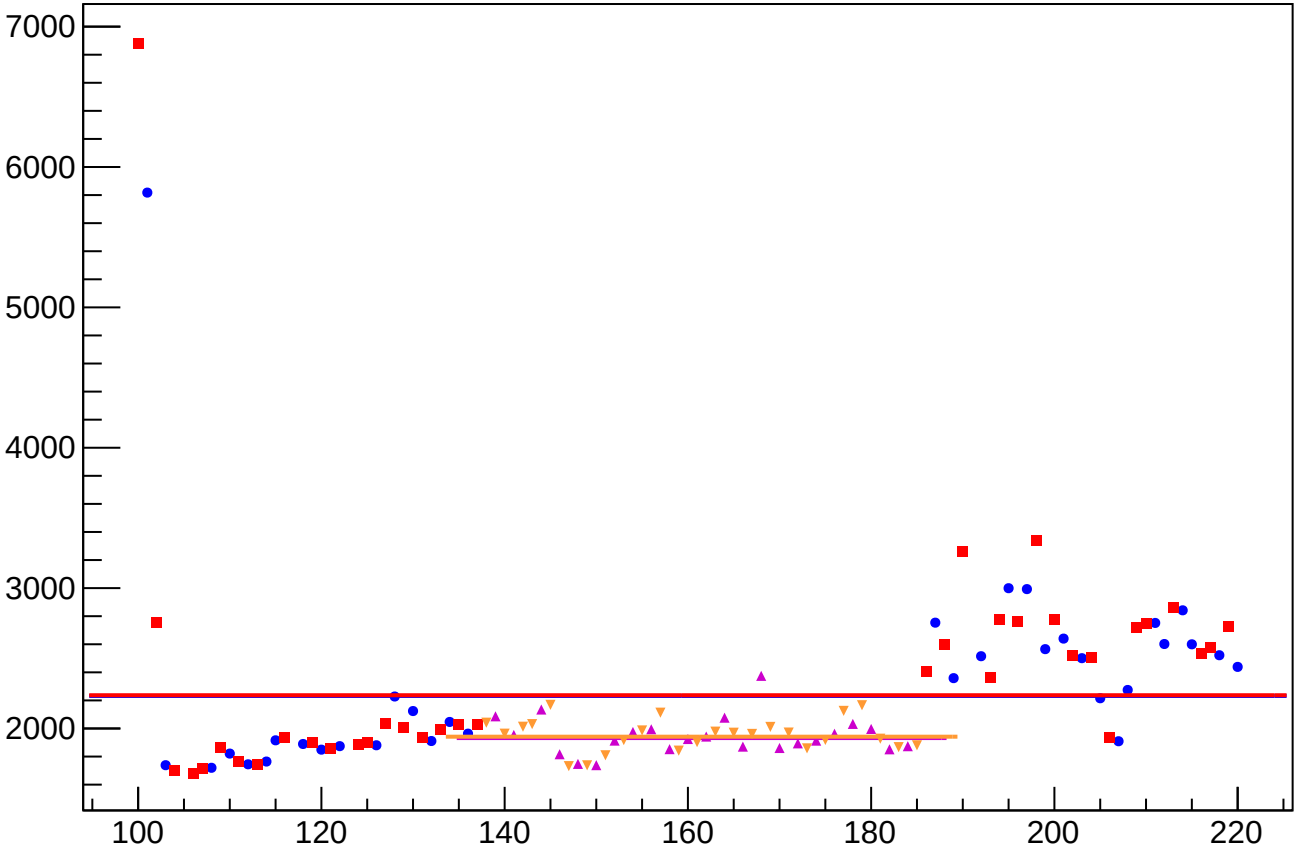
Right: 2235.577+/-351.792 χ^2/NDF: 72.1/68

In: 2125.930+/-334.682 χ^2/NDF:61.0/55

Out: 2343.249+/-330.501 χ^2/NDF:70.8/60

All: 2235.956+/-235.164 χ^2/NDF: 132.0/116

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2231.887+/-0.352 χ^2/NDF: 1641182.4/32

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2236.861+/-0.352 χ^2/NDF: 1567210.4/35

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

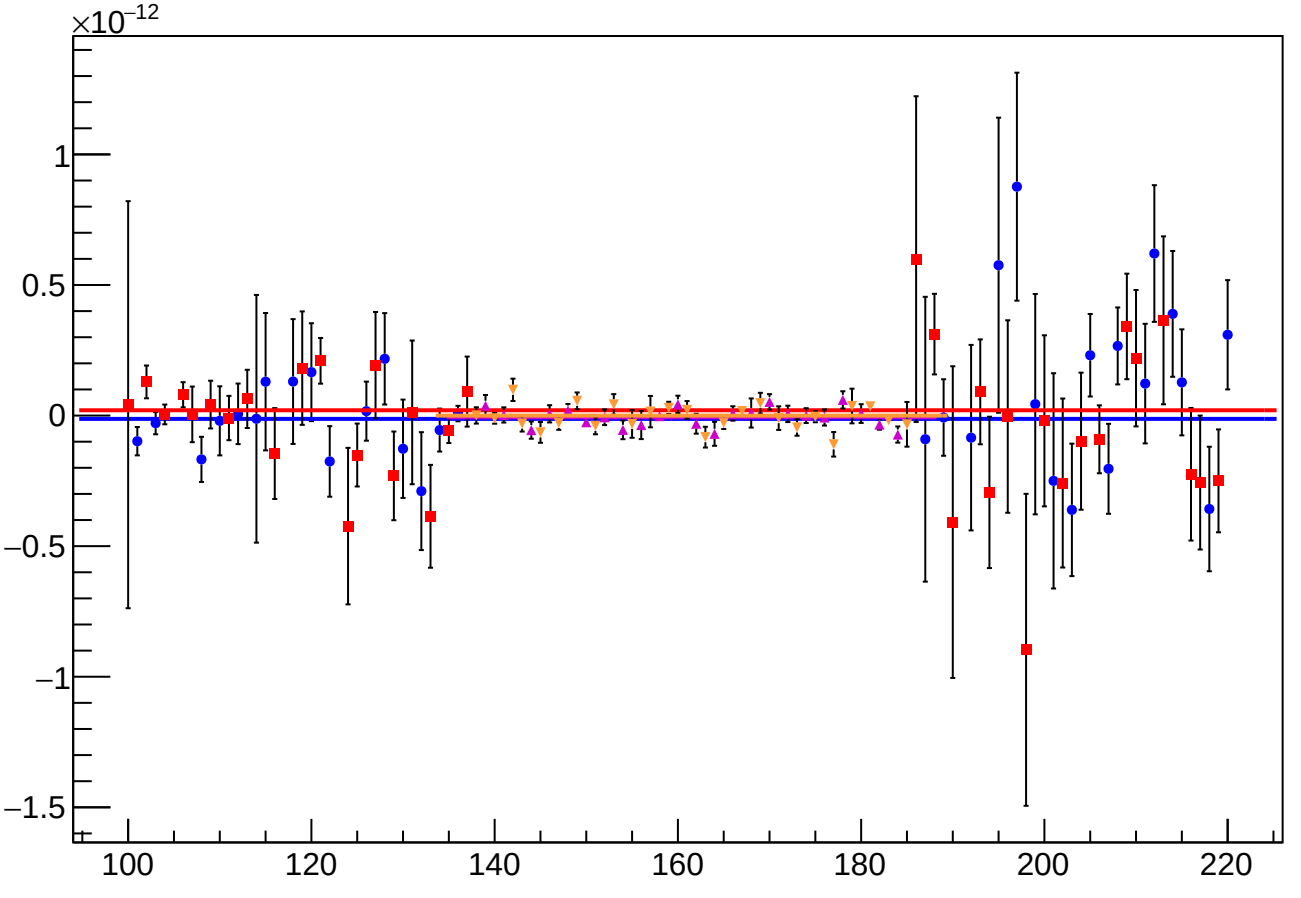
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2234.375+/-0.249 χ^2/NDF: 3208492.7/68

In: 2067.576+/-0.237 χ^2/NDF:2199364.2/55

Out: 2071.926+/-0.234 χ^2/NDF:2099849.2/60

All: 2069.778+/-0.166 χ^2/NDF: 4299384.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 42.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 44.0/35

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

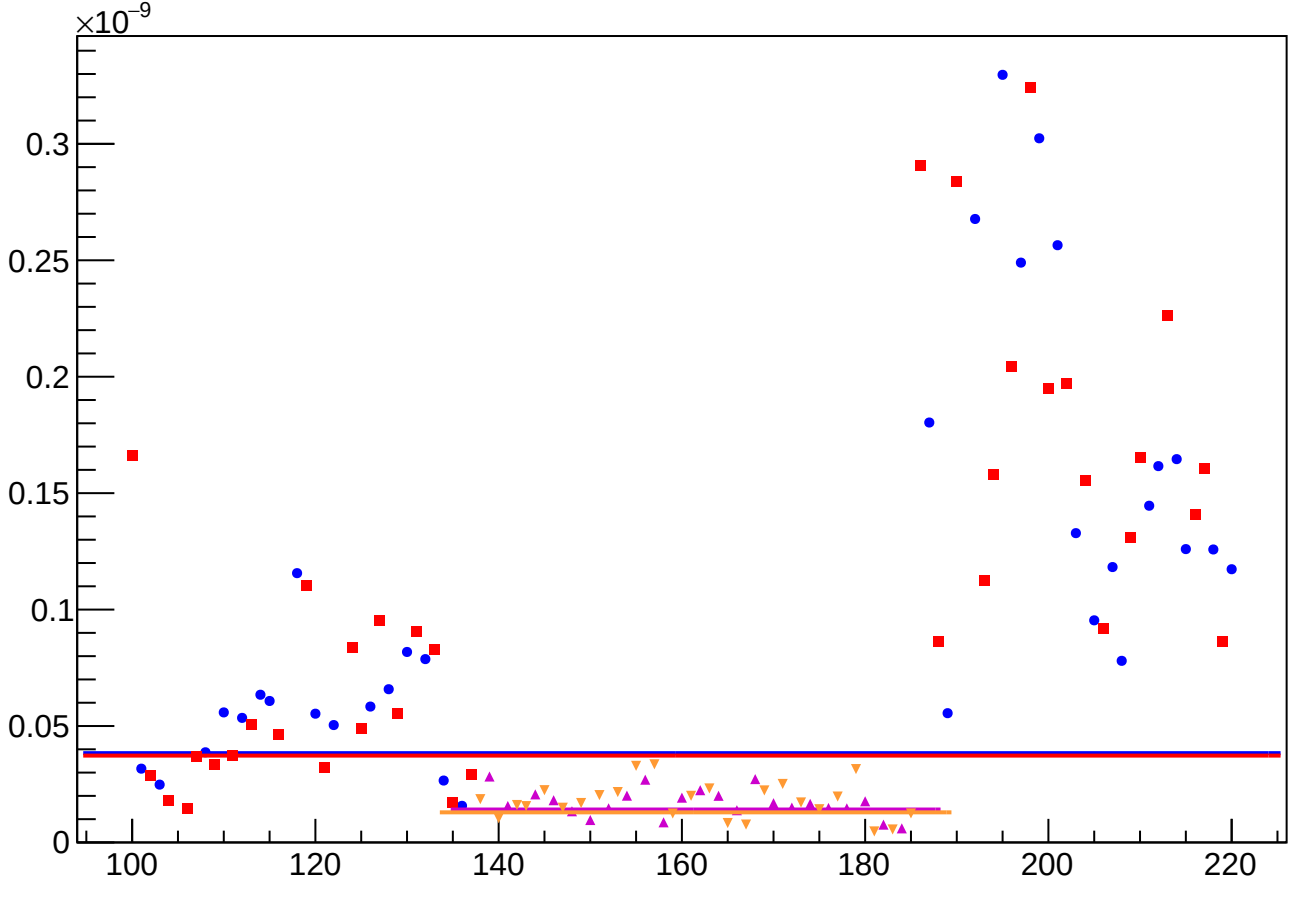
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 87.6/68

In: -0.000+/-0.000 χ^2/NDF:69.6/55

Out: 0.000+/-0.000 χ^2/NDF:85.4/60

All: -0.000+/-0.000 χ^2/NDF: 156.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 8854895.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8720540.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

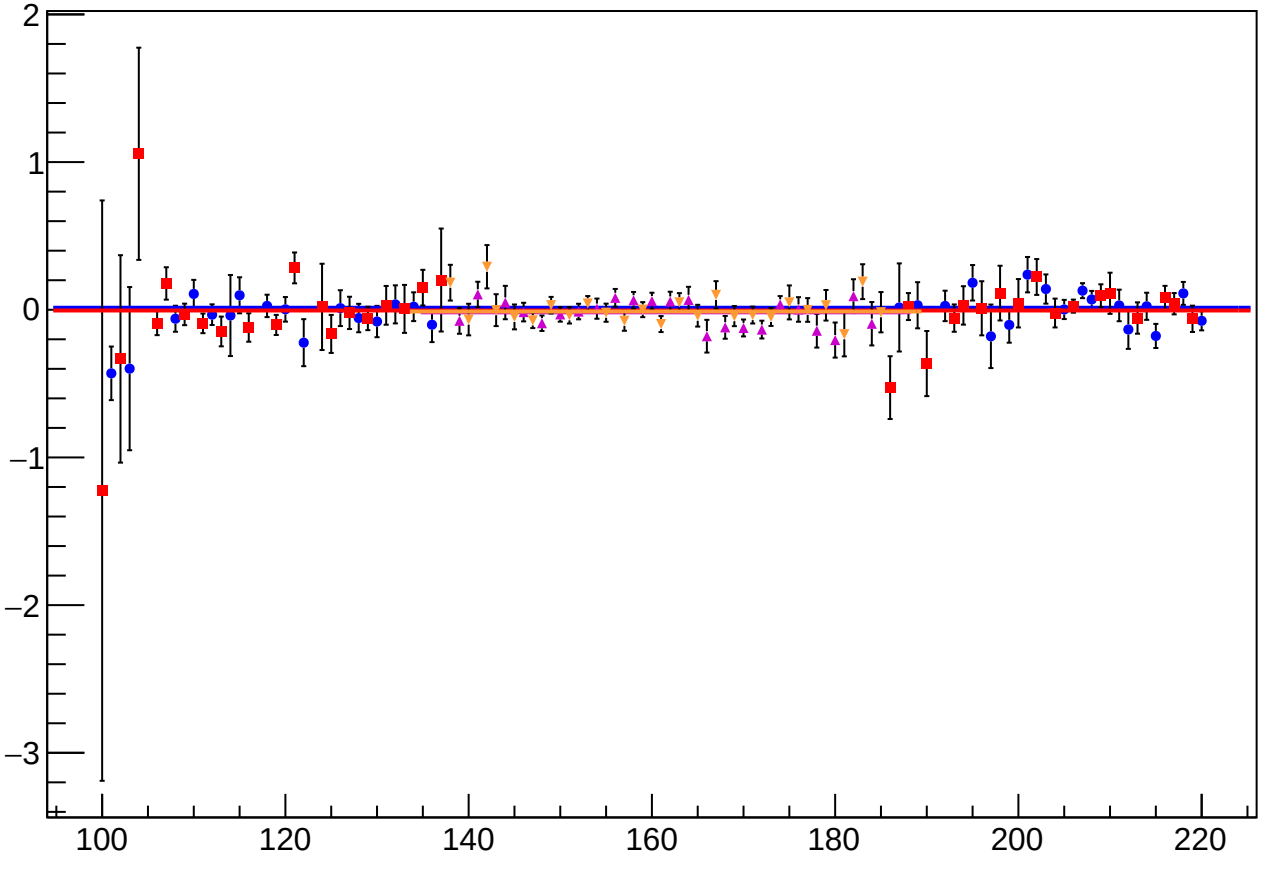
Right: 0.000+/-0.000 χ^2/NDF: 17578741.6/68

In: 0.000+/-0.000 χ^2/NDF:13588475.2/55

Out: 0.000+/-0.000 χ^2/NDF:14753748.1/60

All: 0.000+/-0.000 χ^2/NDF: 28420019.4/116

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.017 χ^2/NDF: 39.0/32

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

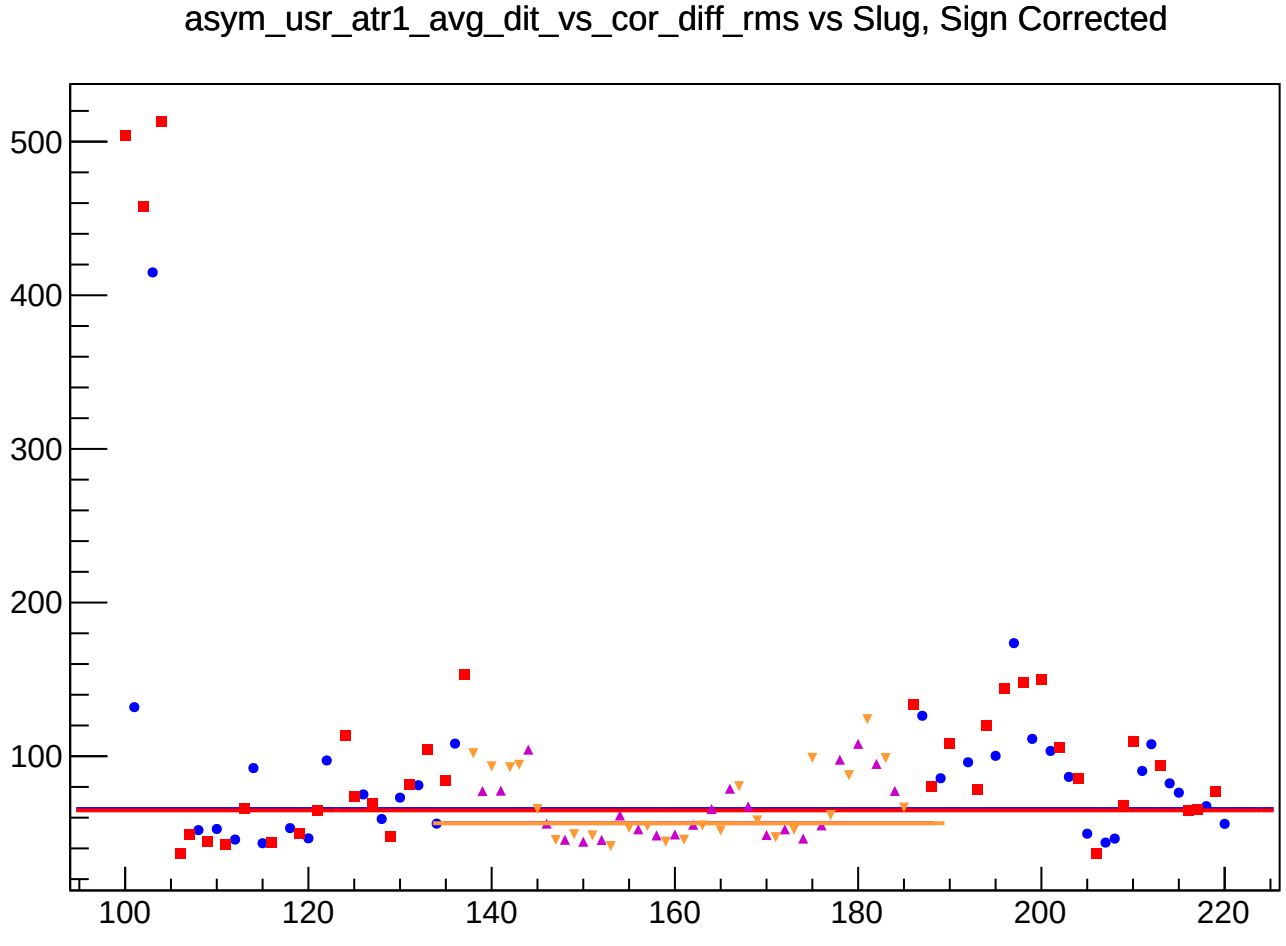
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.004+/-0.012 χ^2/NDF: 83.4/68

In: -0.004+/-0.011 χ^2/NDF:71.6/55

Out: -0.009+/-0.011 χ^2/NDF:65.7/60

All: -0.006+/-0.008 χ^2/NDF: 137.4/116



Right In: 65.577+/-0.012 χ^2/NDF: 4686685.1/32

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.771+/-0.012 χ^2/NDF: 6444803.1/35

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

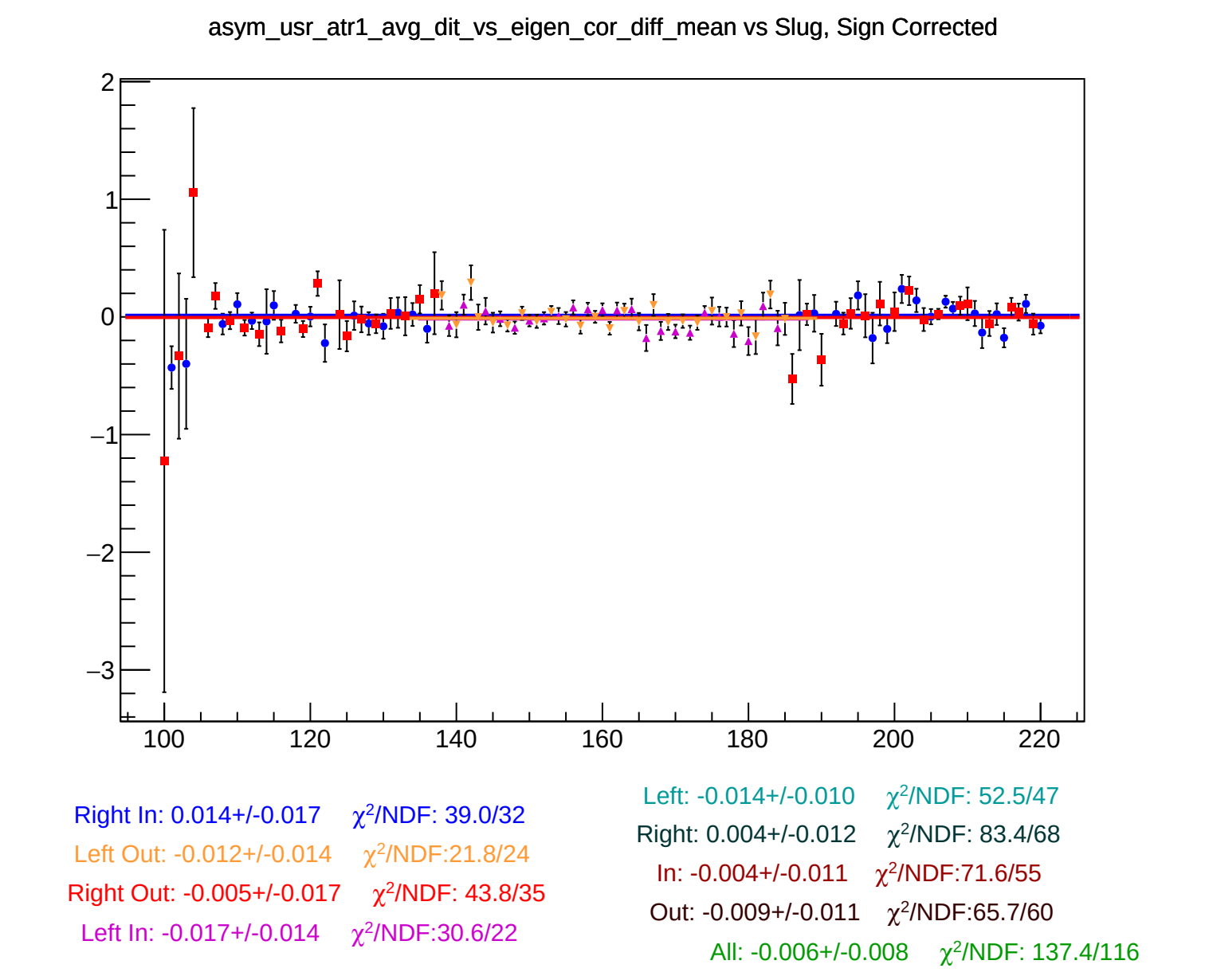
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.179+/-0.008 χ^2/NDF: 11133822.0/68

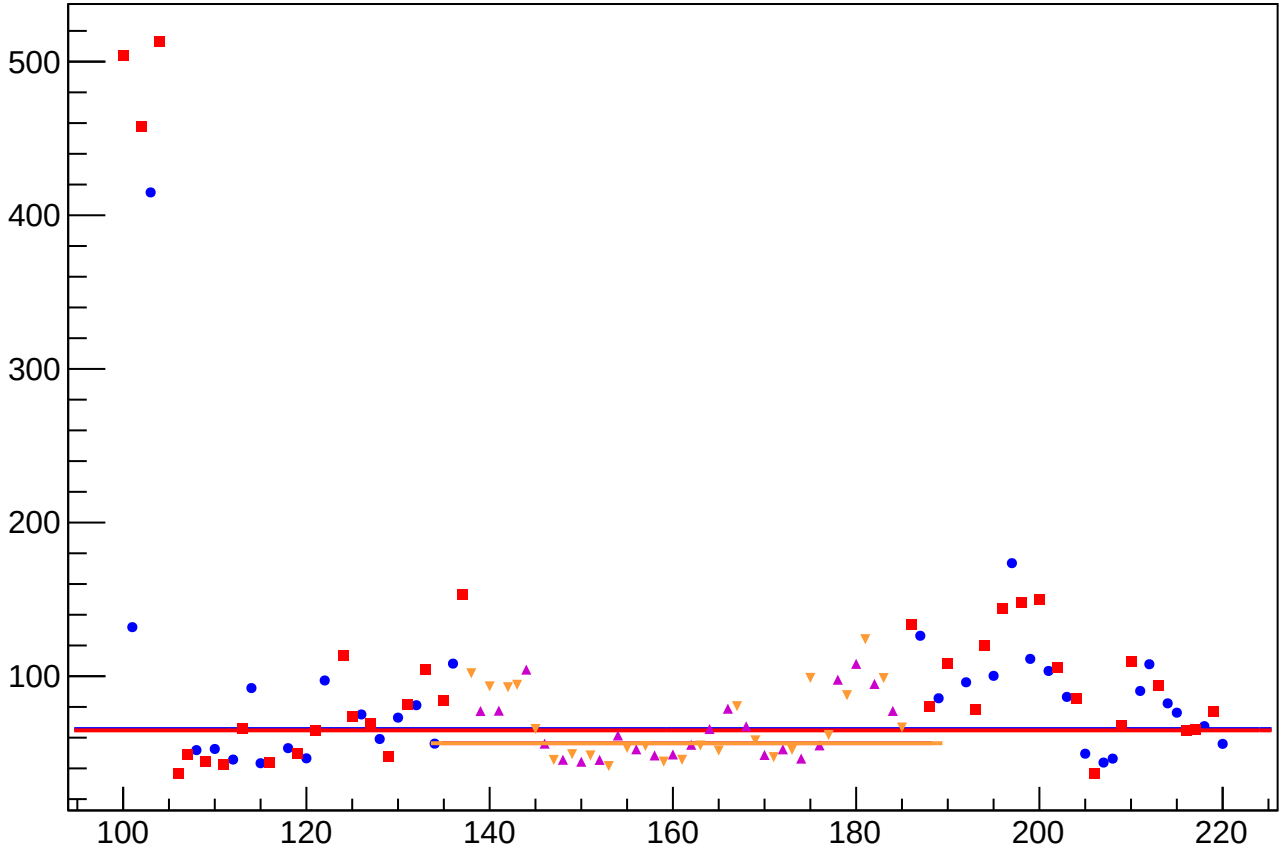
In: 60.411+/-0.008 χ^2/NDF:7169235.6/55

Out: 59.908+/-0.008 χ^2/NDF:9531748.2/60

All: 60.159+/-0.005 χ^2/NDF: 16703112.9/116


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.014+/-0.017 χ²/NDF: 39.0/32
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.005+/-0.017 χ²/NDF: 43.8/35
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.004+/-0.012 χ²/NDF: 83.4/68
In: -0.004+/-0.011 χ²/NDF:71.6/55
Out: -0.009+/-0.011 χ²/NDF:65.7/60
All: -0.006+/-0.008 χ²/NDF: 137.4/116

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.577+/-0.012 χ^2/NDF: 4686685.1/32

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.771+/-0.012 χ^2/NDF: 6444803.1/35

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

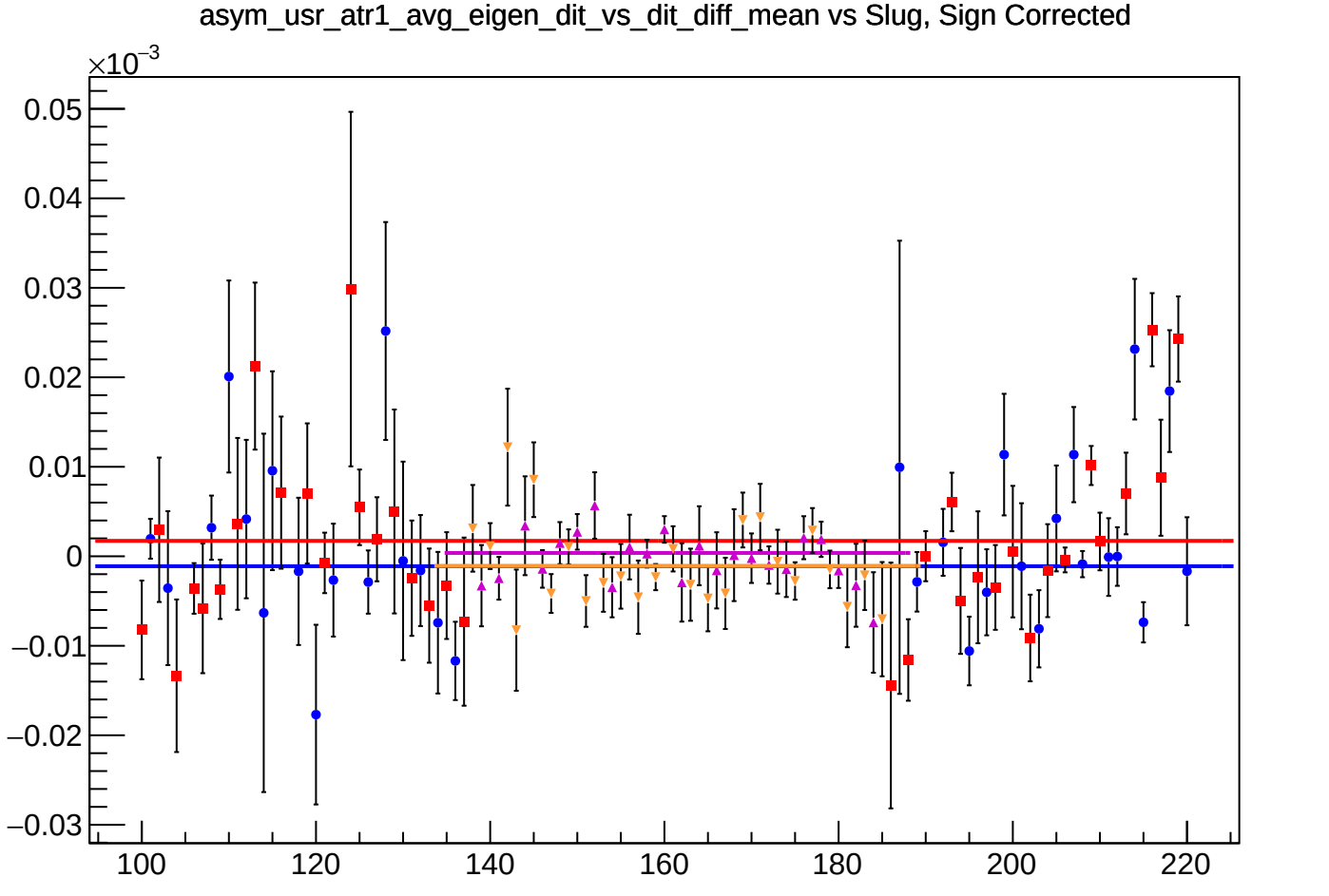
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.179+/-0.008 χ^2/NDF: 11133822.0/68

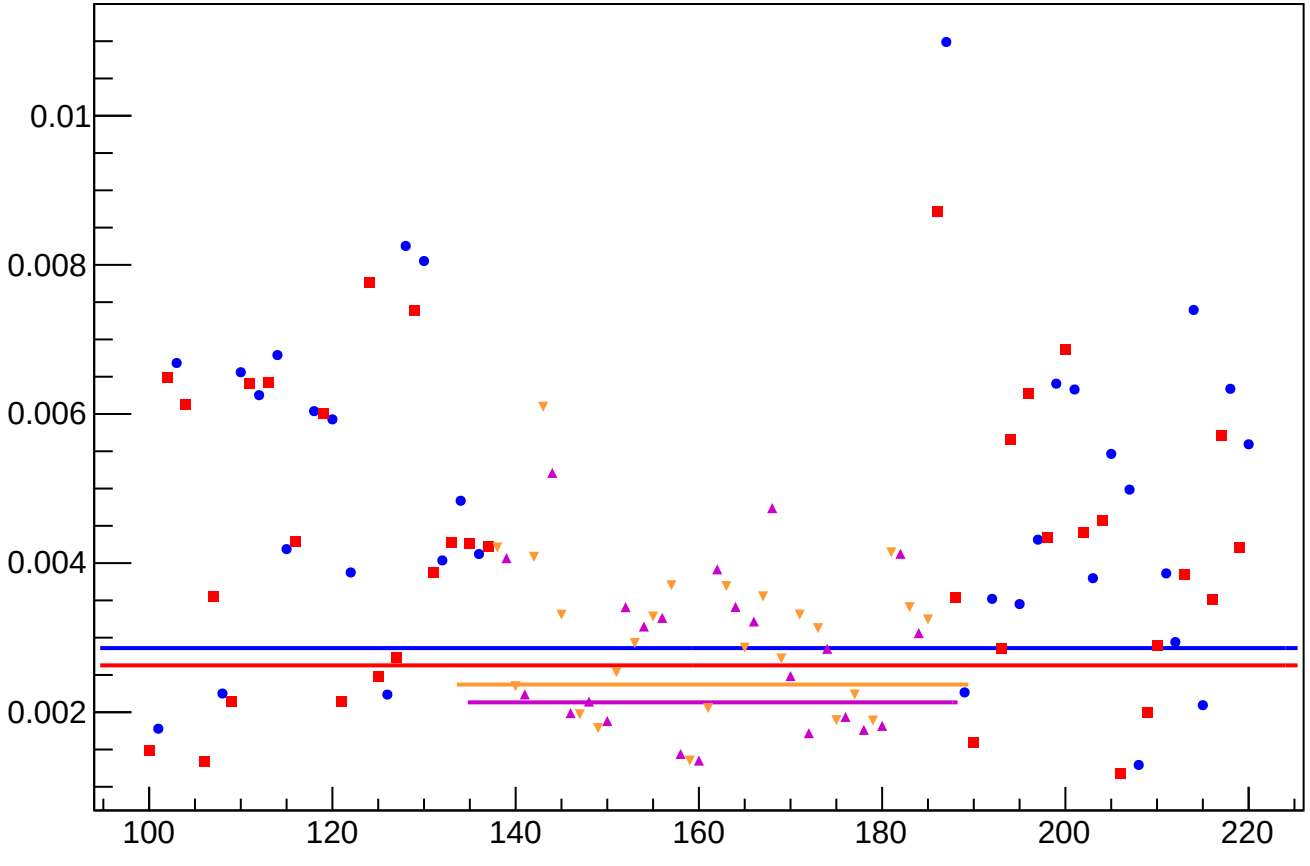
In: 60.411+/-0.008 χ^2/NDF:7169235.6/55

Out: 59.908+/-0.008 χ^2/NDF:9531748.2/60

All: 60.159+/-0.005 χ^2/NDF: 16703112.9/116


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 68.4/32
Left Out: -0.000+/-0.000 χ²/NDF:31.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 121.6/35
Left In: 0.000+/-0.000 χ²/NDF:17.5/22
Left: -0.000+/-0.000 χ²/NDF: 52.4/47
Right: 0.000+/-0.000 χ²/NDF: 197.9/68
In: -0.000+/-0.000 χ²/NDF:88.5/55
Out: 0.000+/-0.000 χ²/NDF:162.8/60
All: -0.000+/-0.000 χ²/NDF: 251.4/116

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9979128.0/32

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9934460.8/35

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

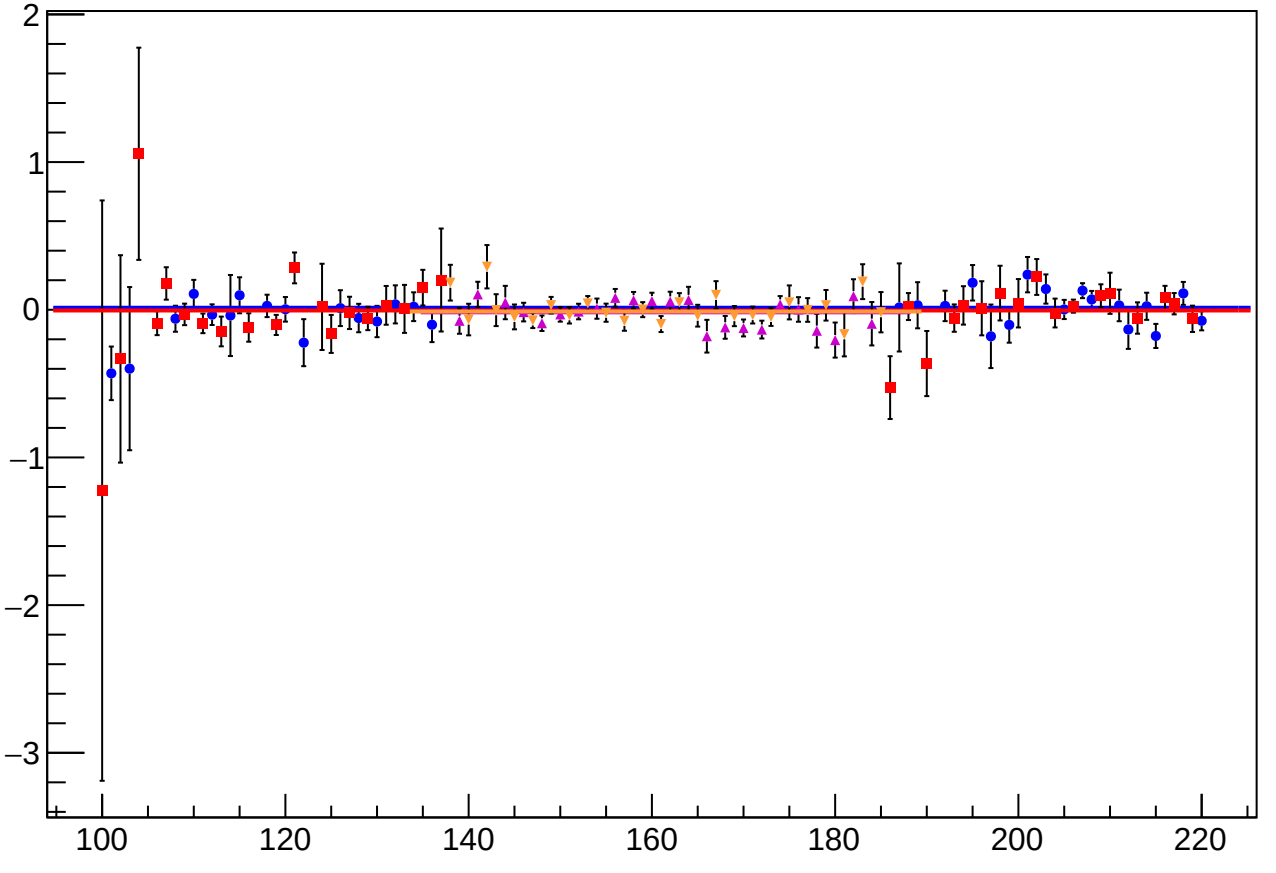
Right: 0.003+/-0.000 χ^2/NDF: 20020014.2/68

In: 0.002+/-0.000 χ^2/NDF:15787971.7/55

Out: 0.002+/-0.000 χ^2/NDF:14257802.5/60

All: 0.002+/-0.000 χ^2/NDF: 30088118.5/116

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.017 χ^2/NDF: 39.0/32

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

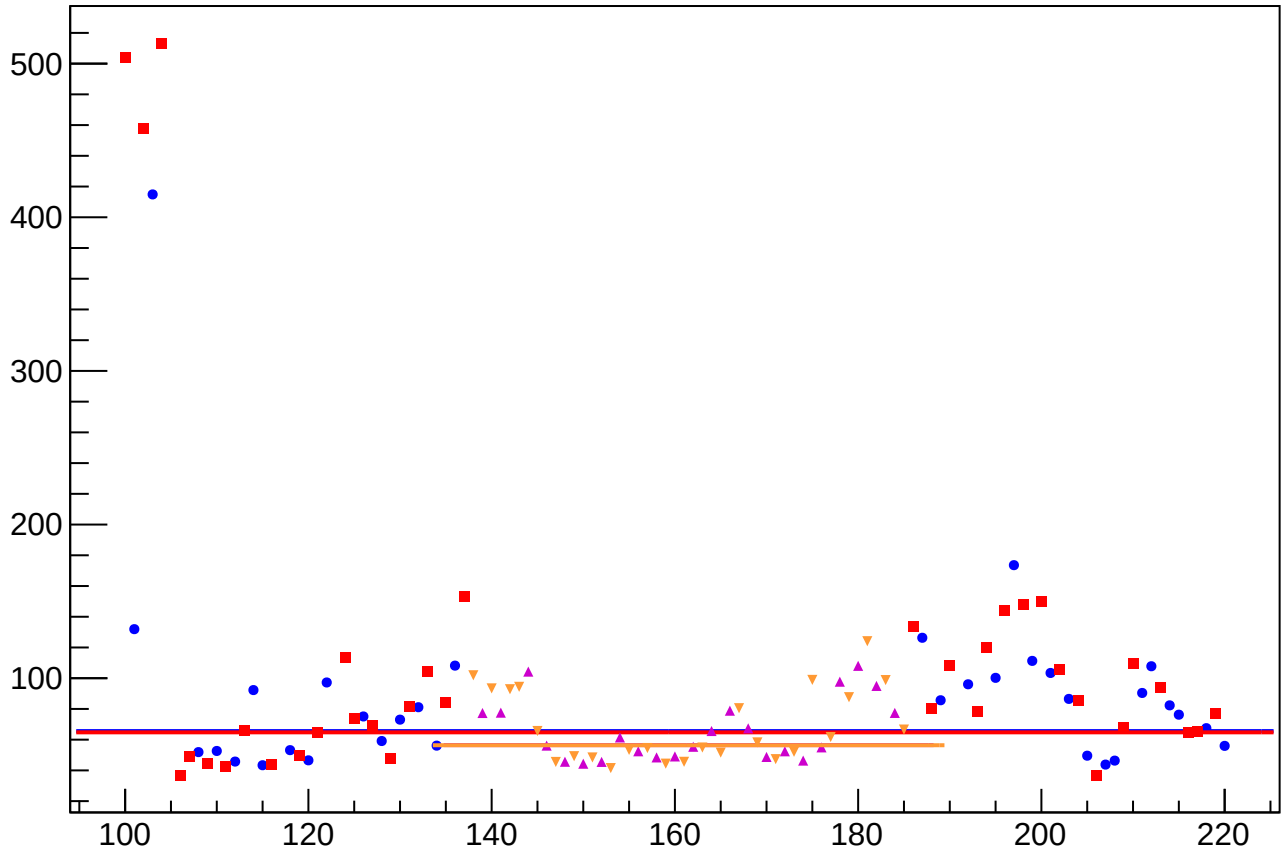
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.004+/-0.012 χ^2/NDF: 83.4/68

In: -0.004+/-0.011 χ^2/NDF:71.6/55

Out: -0.009+/-0.011 χ^2/NDF:65.7/60

All: -0.006+/-0.008 χ^2/NDF: 137.4/116



Right In: 65.577+/-0.012 χ^2/NDF: 4686646.9/32

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

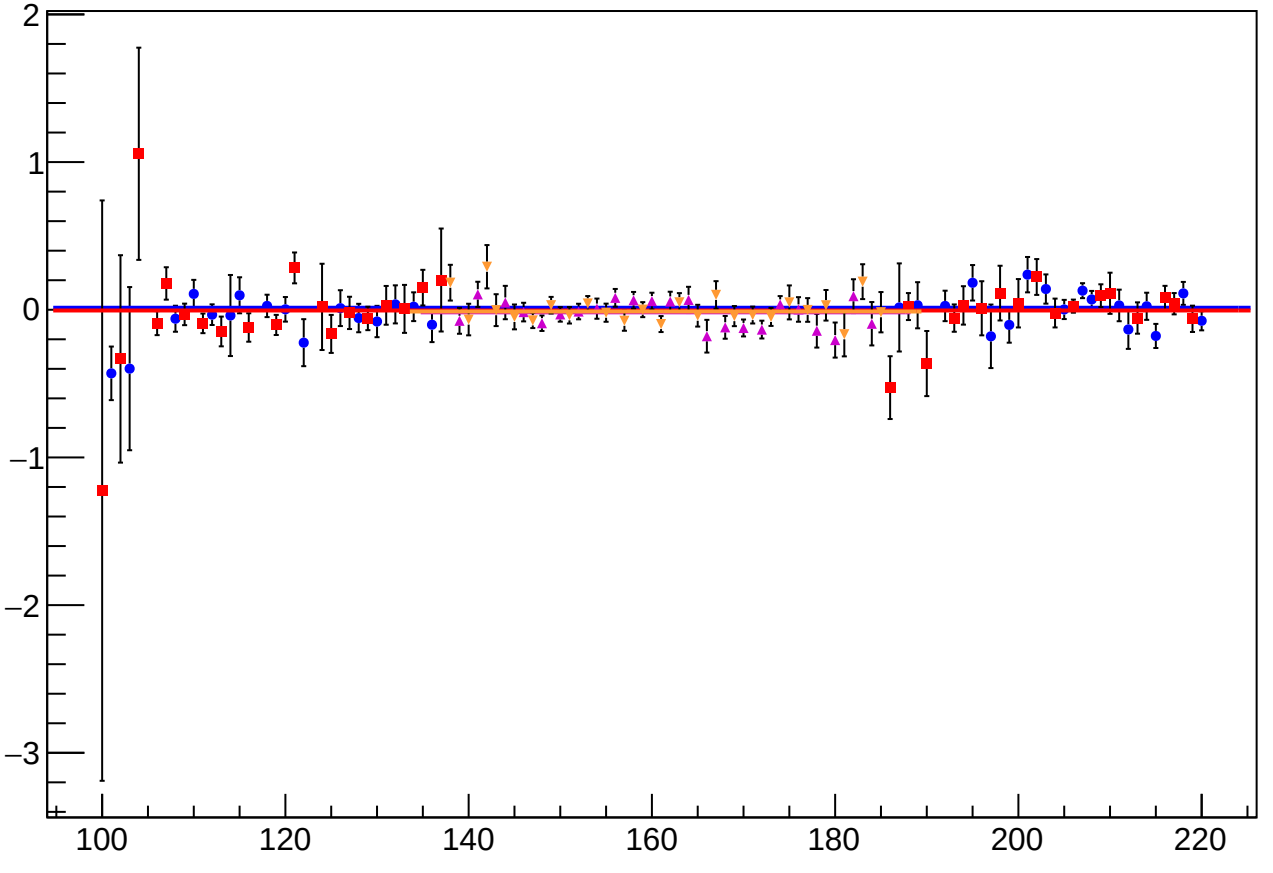
Right: 65.179+/-0.008 χ^2/NDF: 11133830.4/68

In: 60.411+/-0.008 χ^2/NDF:7169146.1/55

Out: 59.908+/-0.008 χ^2/NDF:9531821.3/60

All: 60.159+/-0.005 χ^2/NDF: 16703096.5/116

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.017 χ^2/NDF: 39.0/32

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

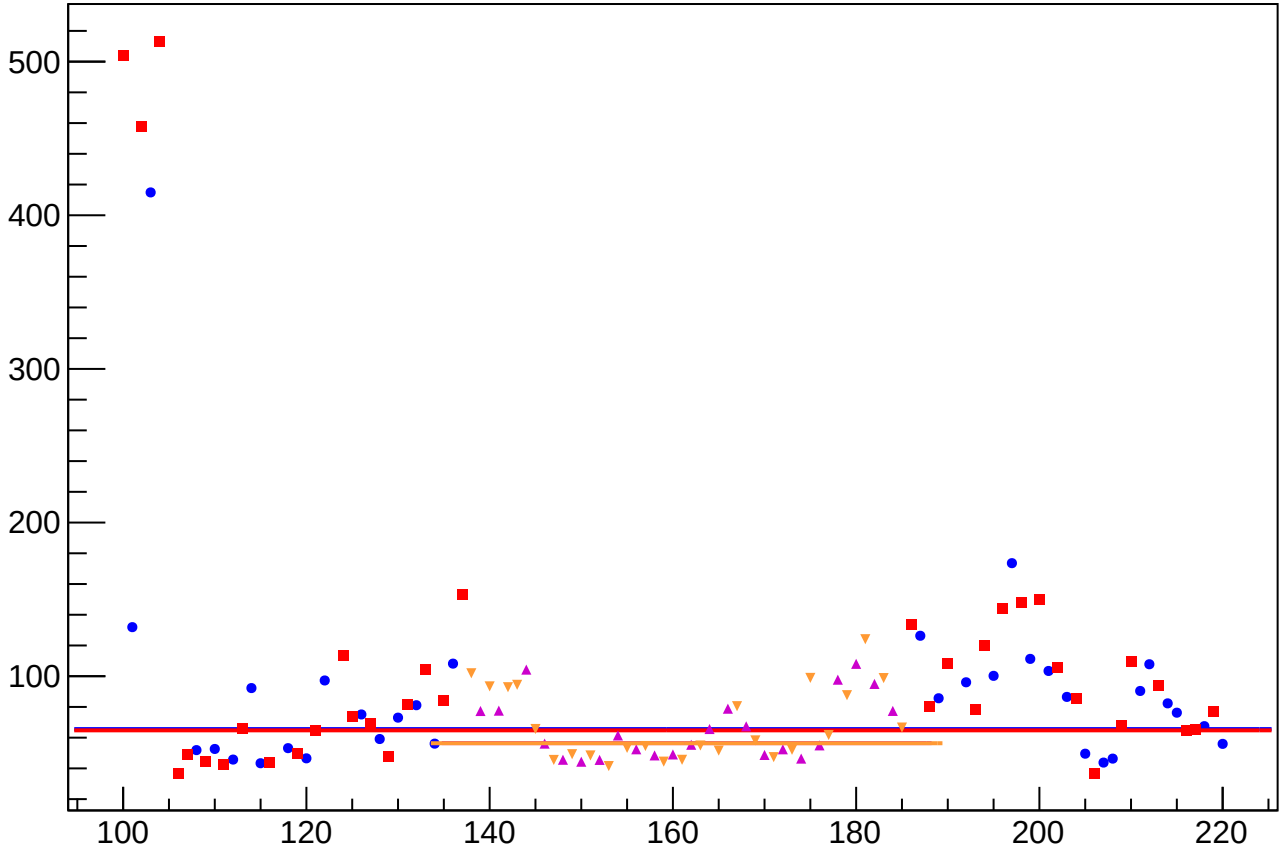
Right: 0.004+/-0.012 χ^2/NDF: 83.4/68

In: -0.004+/-0.011 χ^2/NDF:71.6/55

Out: -0.009+/-0.011 χ^2/NDF:65.7/60

All: -0.006+/-0.008 χ^2/NDF: 137.4/116

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.577+/-0.012 χ^2/NDF: 4686646.9/32

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

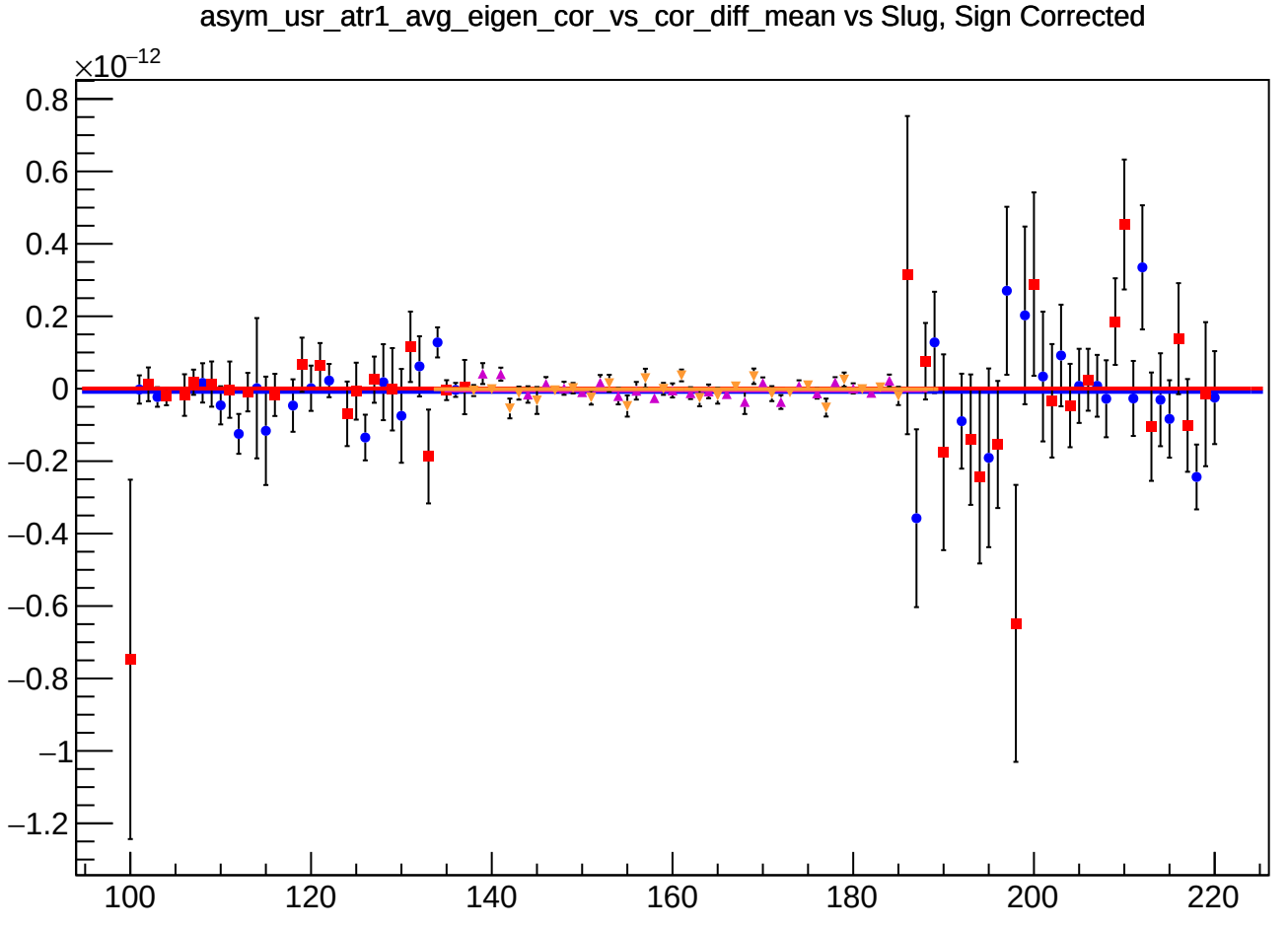
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.179+/-0.008 χ^2/NDF: 11133830.4/68

In: 60.411+/-0.008 χ^2/NDF:7169146.1/55

Out: 59.908+/-0.008 χ^2/NDF:9531821.3/60

All: 60.159+/-0.005 χ^2/NDF: 16703096.5/116



Right In: -0.000+/-0.000 χ^2/NDF: 40.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/35

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

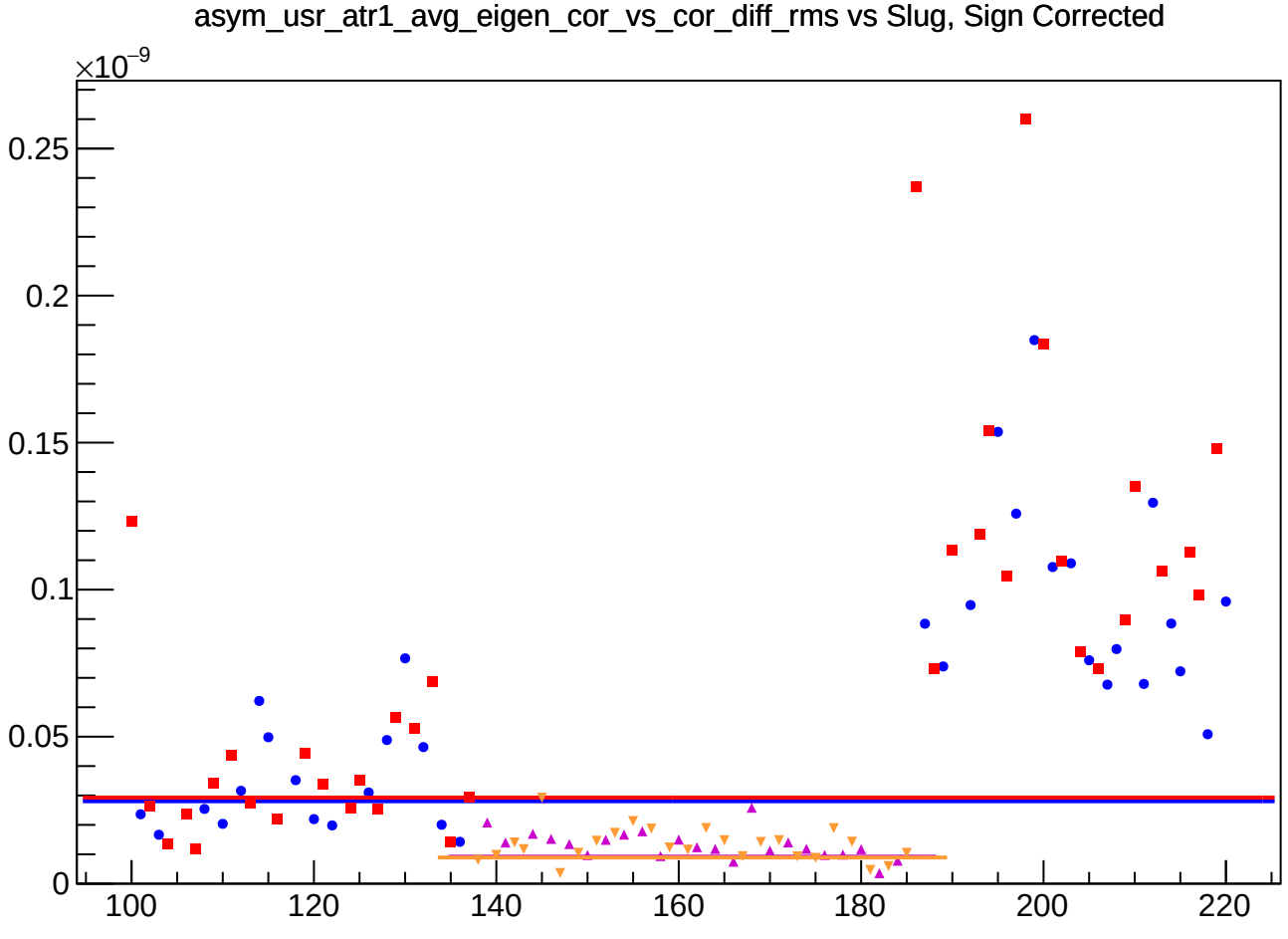
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 70.0/68

In: -0.000+/-0.000 χ^2/NDF:69.4/55

Out: -0.000+/-0.000 χ^2/NDF:58.4/60

All: -0.000+/-0.000 χ^2/NDF: 128.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 9624318.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11593462.1/35

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

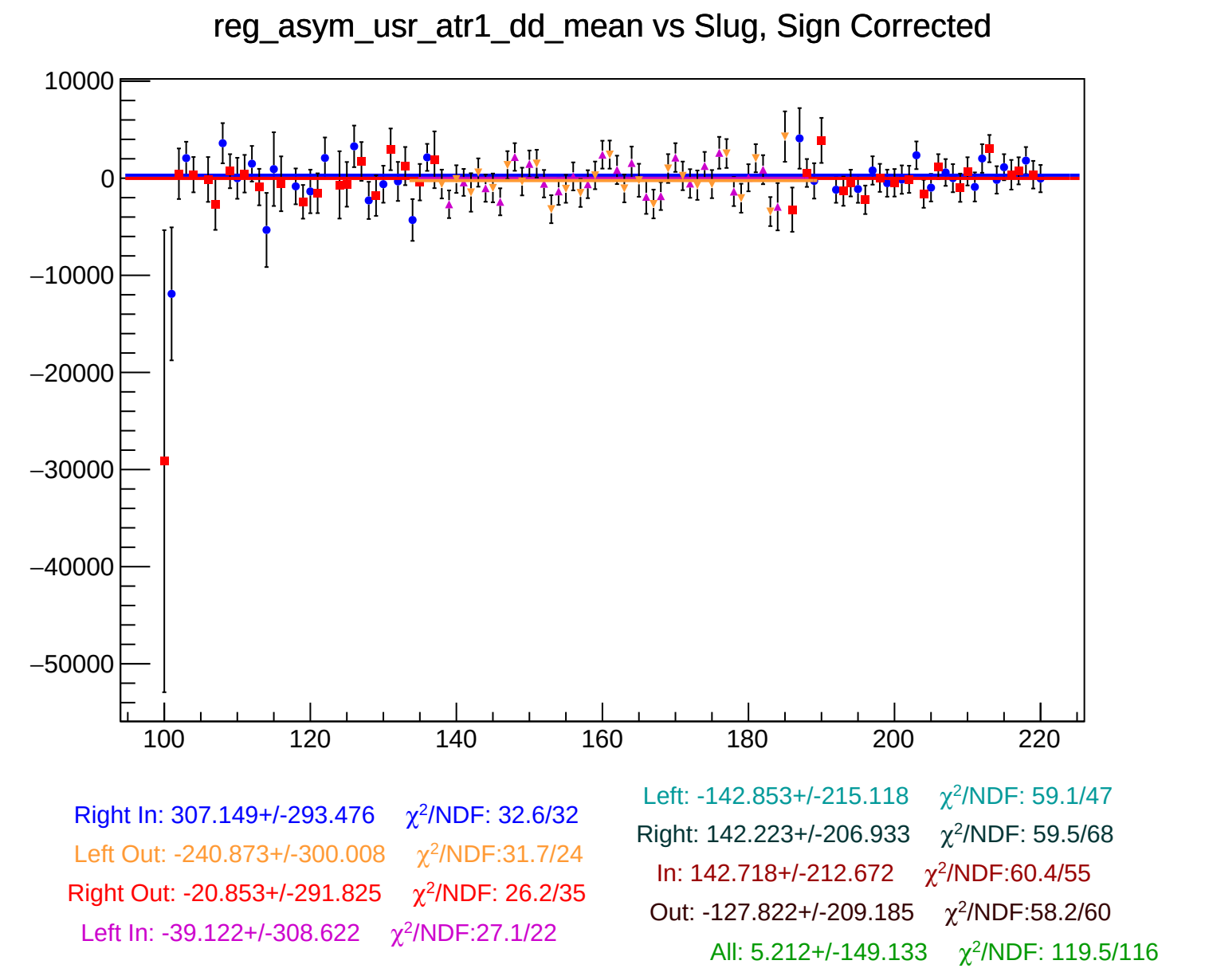
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 21230733.2/68

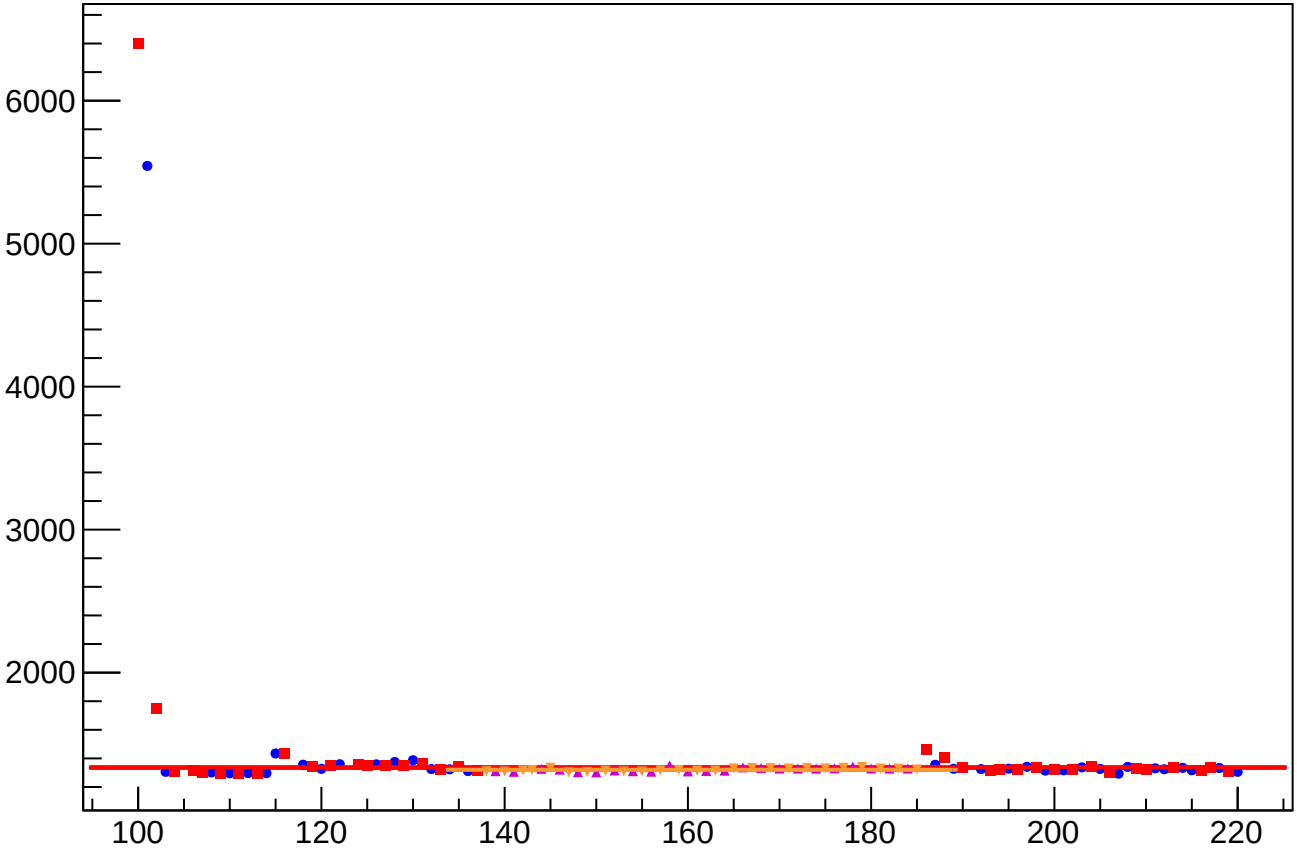
In: 0.000+/-0.000 χ^2/NDF:20561814.5/55

Out: 0.000+/-0.000 χ^2/NDF:22724158.2/60

All: 0.000+/-0.000 χ^2/NDF: 43305595.9/116


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 307.149+/-293.476 χ²/NDF: 32.6/32
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -20.853+/-291.825 χ²/NDF: 26.2/35
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: 142.223+/-206.933 χ²/NDF: 59.5/68
In: 142.718+/-212.672 χ²/NDF:60.4/55
Out: -127.822+/-209.185 χ²/NDF:58.2/60
All: 5.212+/-149.133 χ²/NDF: 119.5/116

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1334.958+/-0.208 χ^2/NDF: 767950.7/32

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1338.607+/-0.206 χ^2/NDF: 163454.8/35

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

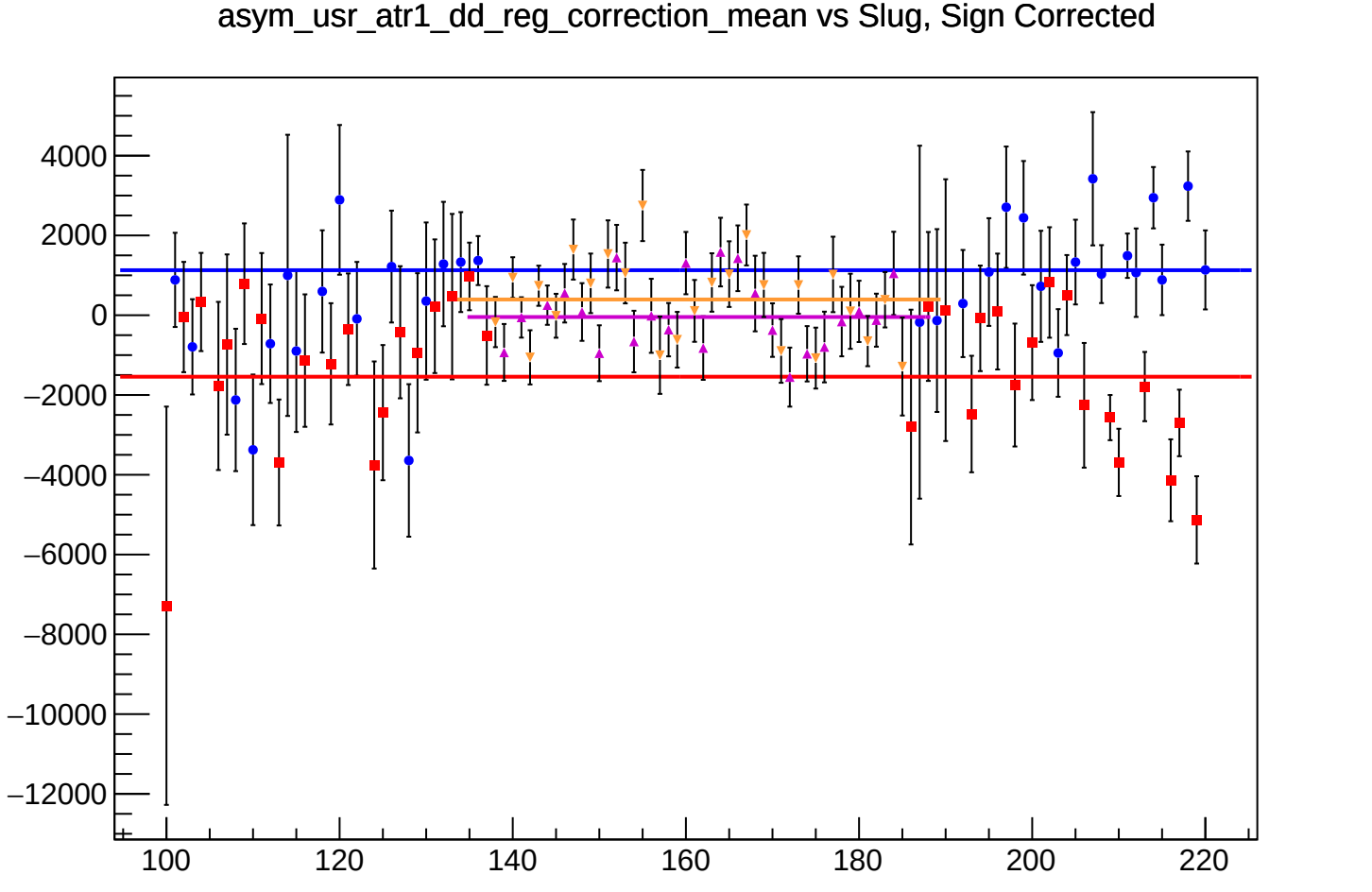
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1336.793+/-0.146 χ^2/NDF: 931561.1/68

In: 1328.701+/-0.150 χ^2/NDF:773418.1/55

Out: 1329.921+/-0.148 χ^2/NDF:169702.0/60

All: 1329.321+/-0.105 χ^2/NDF: 943153.5/116



Right In: 1128.788+/-200.626 χ^2/NDF: 42.7/32

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -1541.913+/-214.112 χ^2/NDF: 64.7/35

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

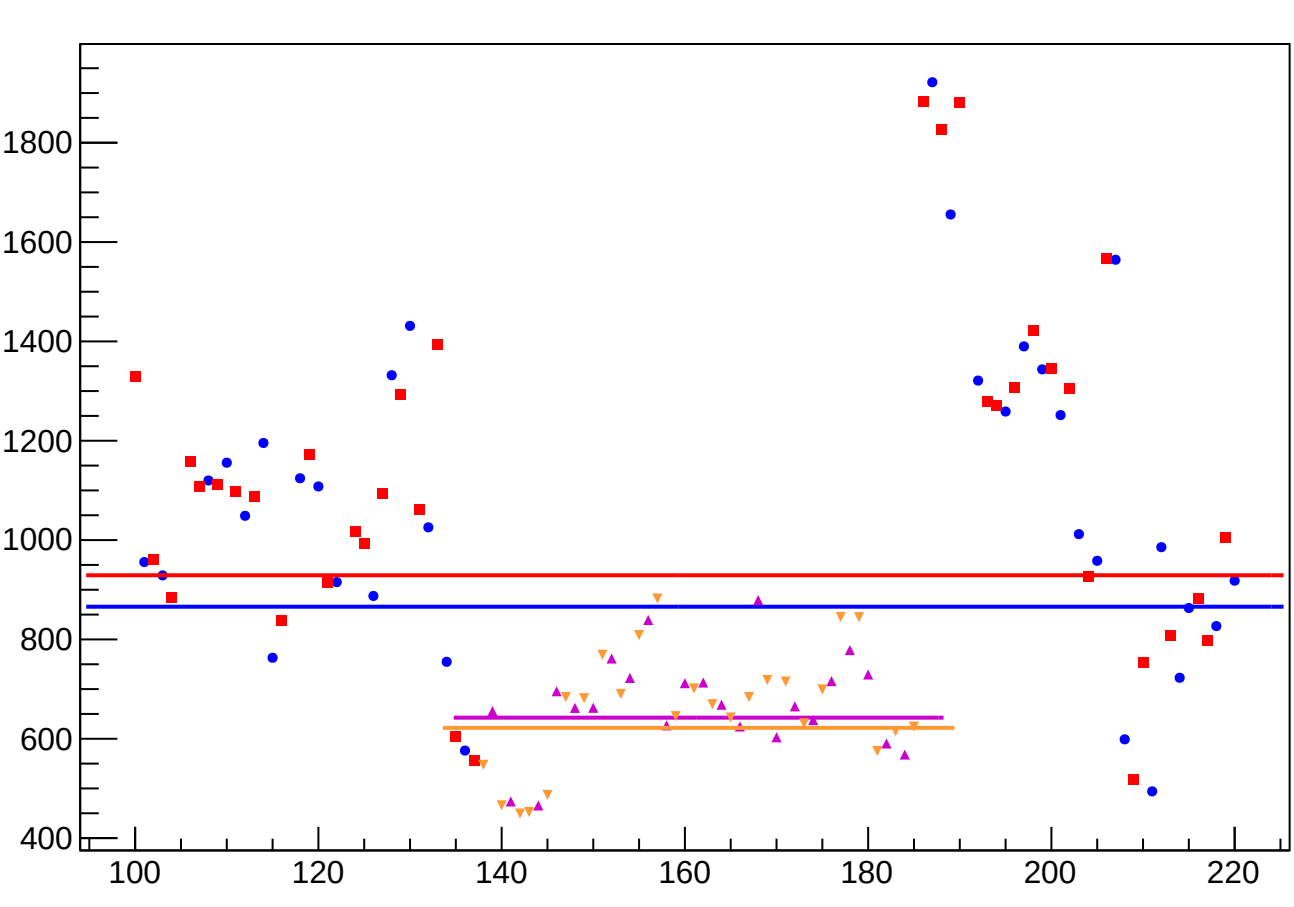
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -119.812+/-146.399 χ^2/NDF: 190.3/68

In: 384.385+/-121.323 χ^2/NDF:92.0/55

Out: -211.793+/-119.810 χ^2/NDF:162.7/60

All: 82.556+/-85.249 χ^2/NDF: 267.0/116



Right In: 865.875+/-0.142 χ^2/NDF: 4049322.9/32

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 929.196+/-0.151 χ^2/NDF: 4179403.0/35

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

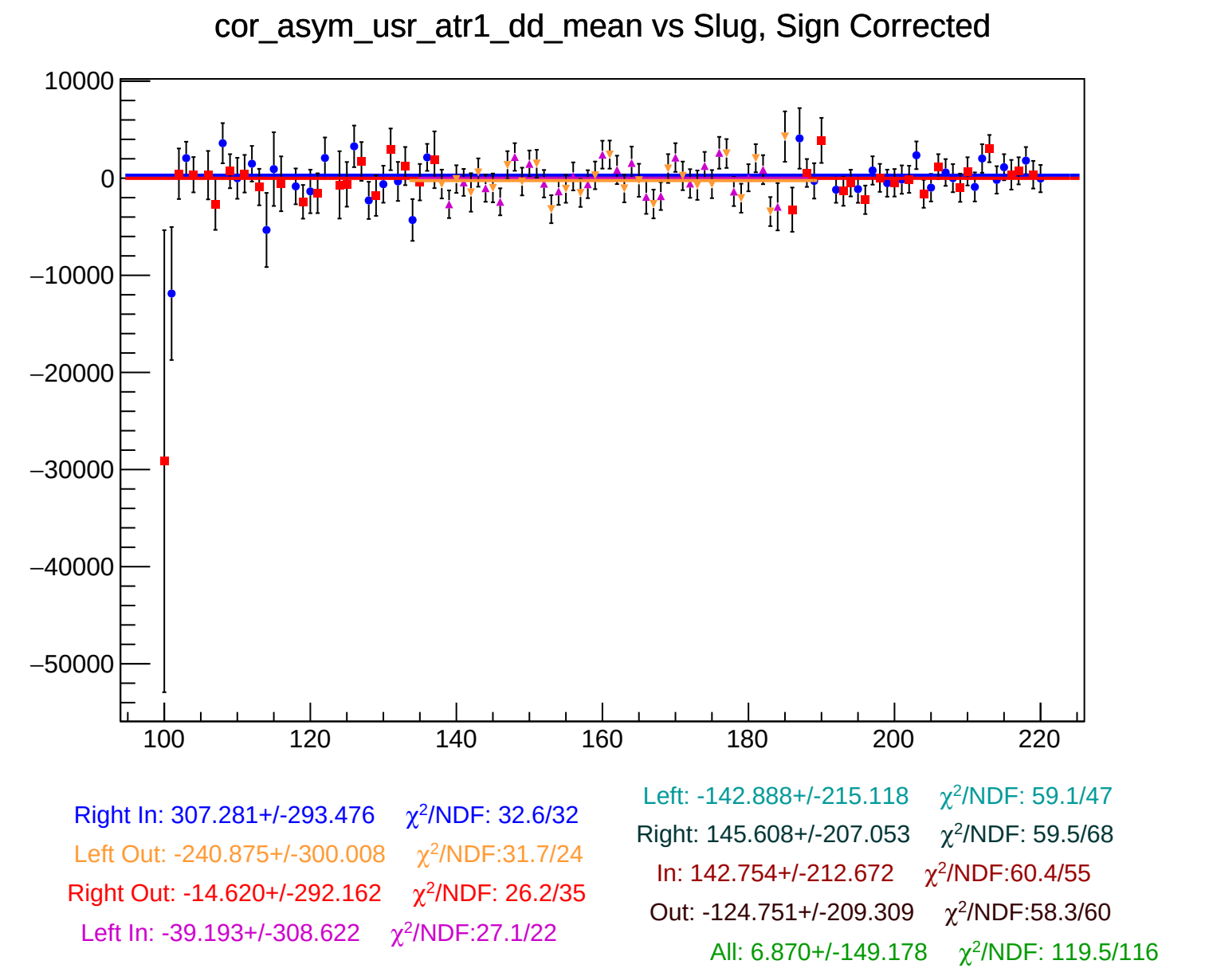
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 895.479+/-0.104 χ^2/NDF: 8321867.8/68

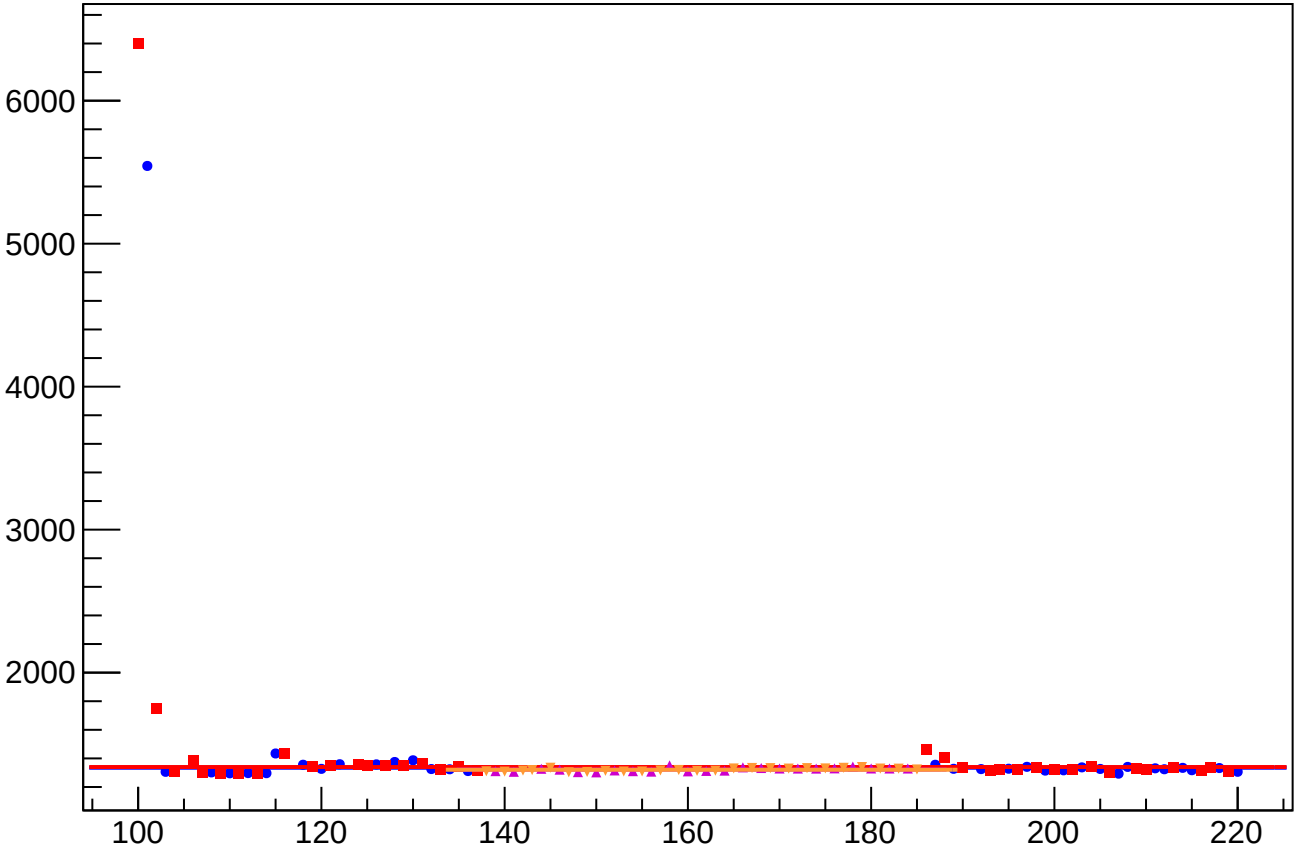
In: 724.167+/-0.086 χ^2/NDF:6548707.7/55

Out: 718.154+/-0.085 χ^2/NDF:8391679.3/60

All: 721.123+/-0.060 χ^2/NDF: 14942874.1/11


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 307.281+/-293.476 χ²/NDF: 32.6/32
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -14.620+/-292.162 χ²/NDF: 26.2/35
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 145.608+/-207.053 χ²/NDF: 59.5/68
In: 142.754+/-212.672 χ²/NDF:60.4/55
Out: -124.751+/-209.309 χ²/NDF:58.3/60
All: 6.870+/-149.178 χ²/NDF: 119.5/116

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1334.958+/-0.208 χ^2/NDF: 767949.8/32

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

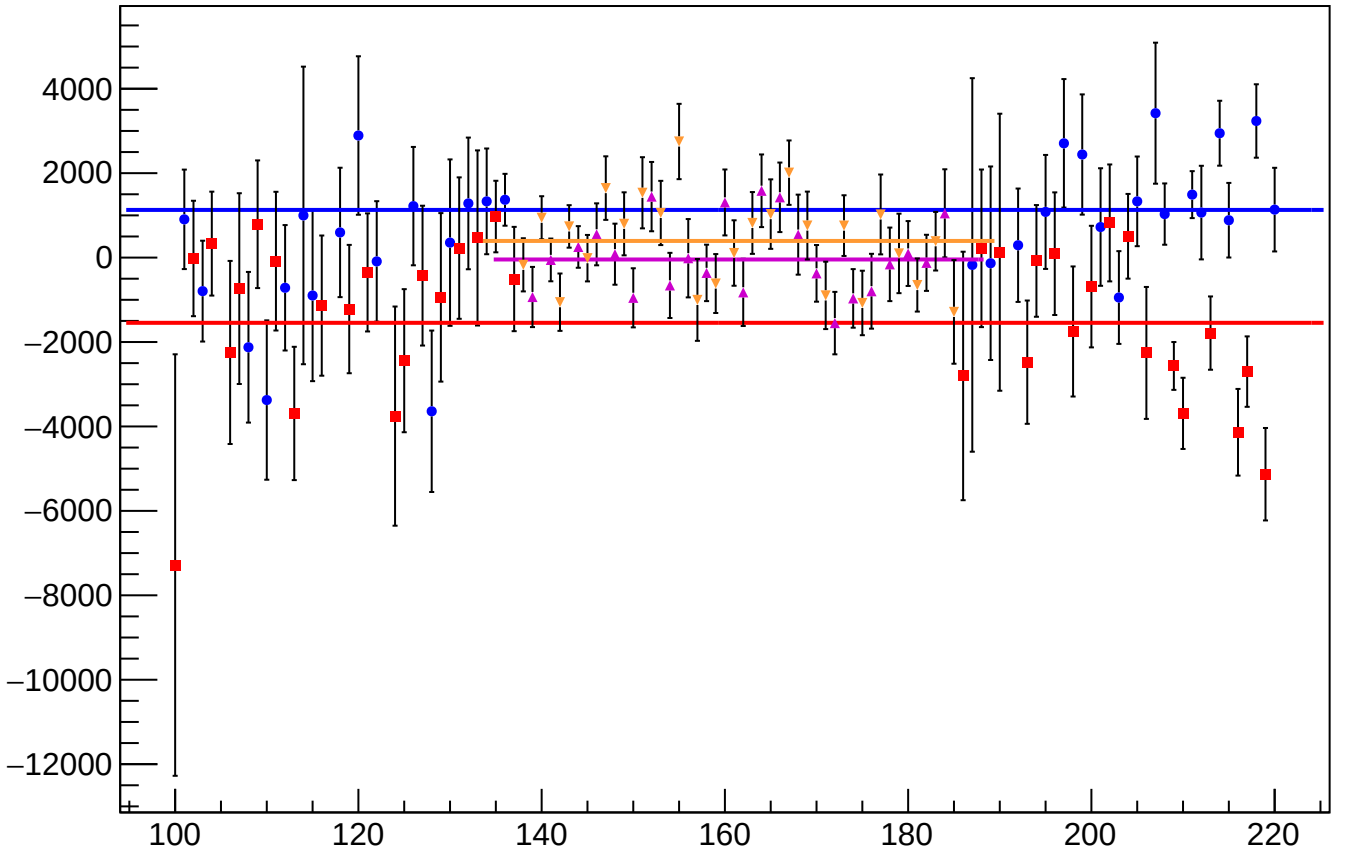
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1337.306+/-0.146 χ^2/NDF: 932276.6/68

In: 1328.701+/-0.150 χ^2/NDF:773417.1/55

Out: 1330.437+/-0.148 χ^2/NDF:170745.2/60

All: 1329.583+/-0.105 χ^2/NDF: 944230.0/116



Right In: 1129.373+/-200.613 χ^2/NDF: 42.7/32

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -1545.011+/-214.112 χ^2/NDF: 64.9/35

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

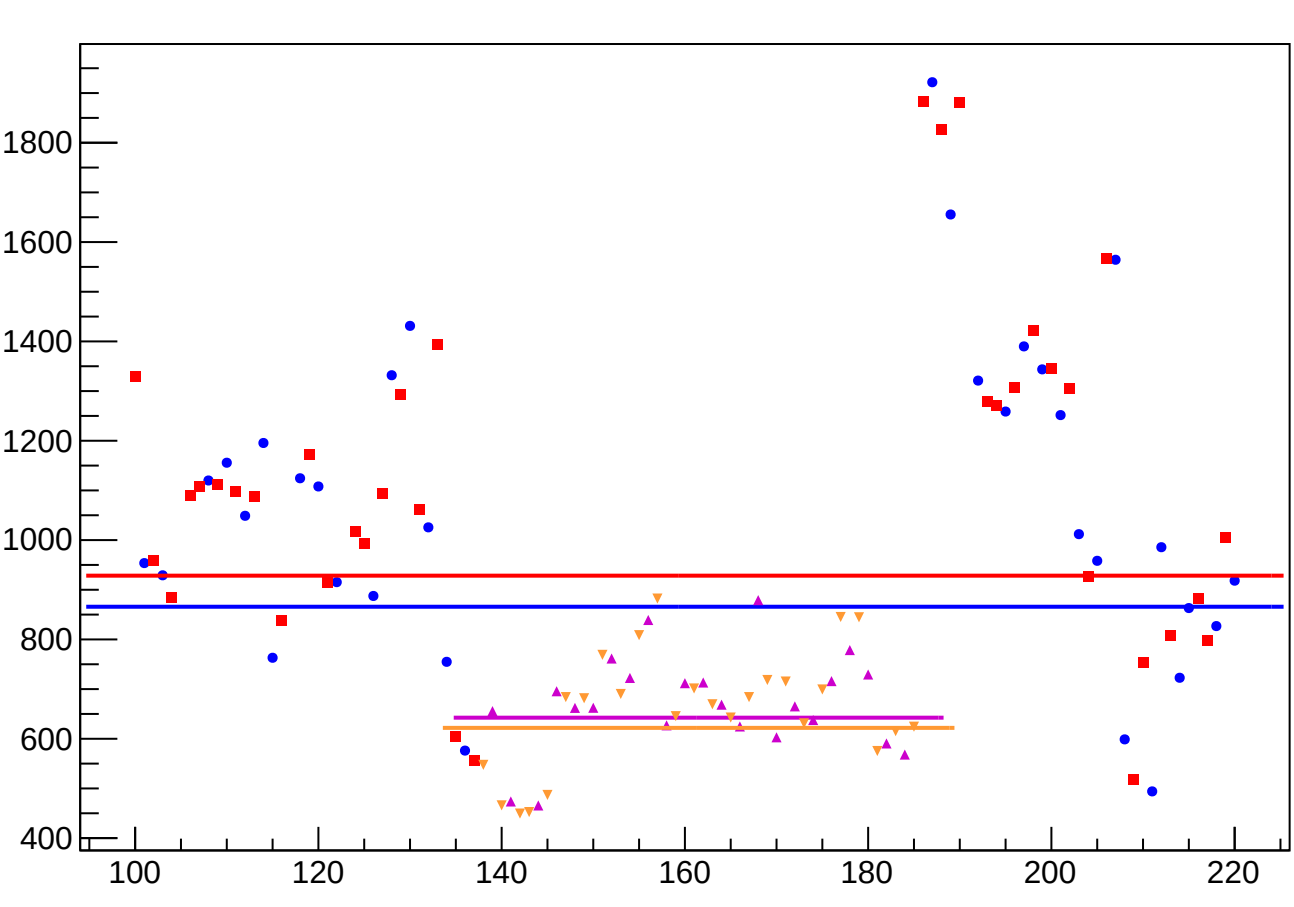
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

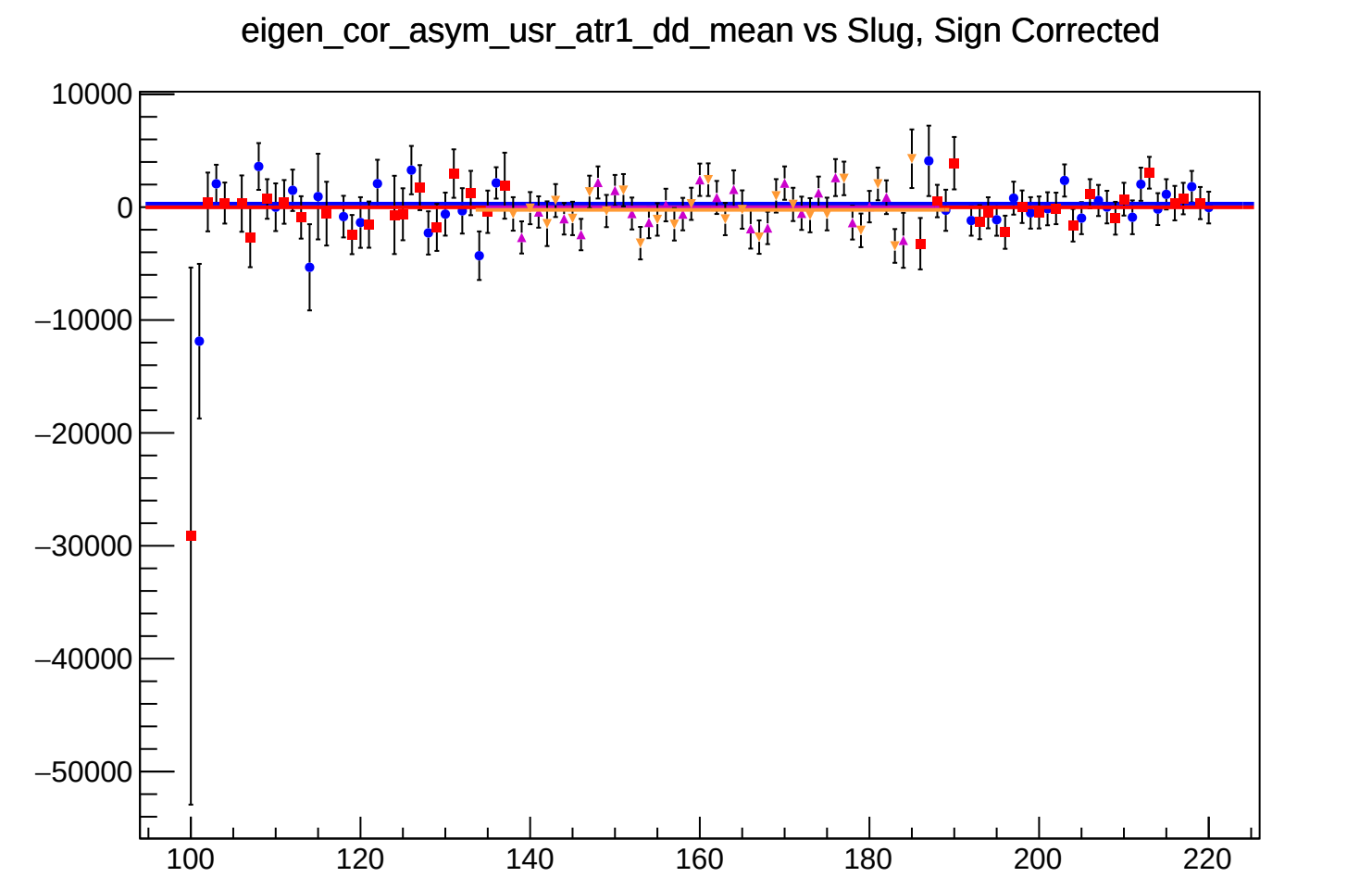
Right: -120.862+/-146.395 χ^2/NDF: 190.7/68

In: 384.636+/-121.320 χ^2/NDF:92.1/55

Out: -212.778+/-119.810 χ^2/NDF:163.1/60

All: 82.189+/-85.247 χ^2/NDF: 267.4/116


asym_usr_atr1_dd_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
220
Right In: 865.827+/-0.142 χ²/NDF: 4048963.0/32
Left Out: 621.950+/-0.102 χ²/NDF:1383373.4/24
Right Out: 928.384+/-0.151 χ²/NDF: 4166932.8/35
Left In: 642.465+/-0.108 χ²/NDF:926376.1/22
Left: 631.671+/-0.074 χ²/NDF: 2328835.4/47
Right: 895.072+/-0.104 χ²/NDF: 8306812.2/68
In: 724.152+/-0.086 χ²/NDF:6547912.3/55
Out: 717.900+/-0.085 χ²/NDF:8364183.6/60
All: 720.987+/-0.060 χ²/NDF: 14914785.1/1



Right In: 307.281+/-293.476 χ^2/NDF: 32.6/32

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -14.620+/-292.162 χ^2/NDF: 26.2/35

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

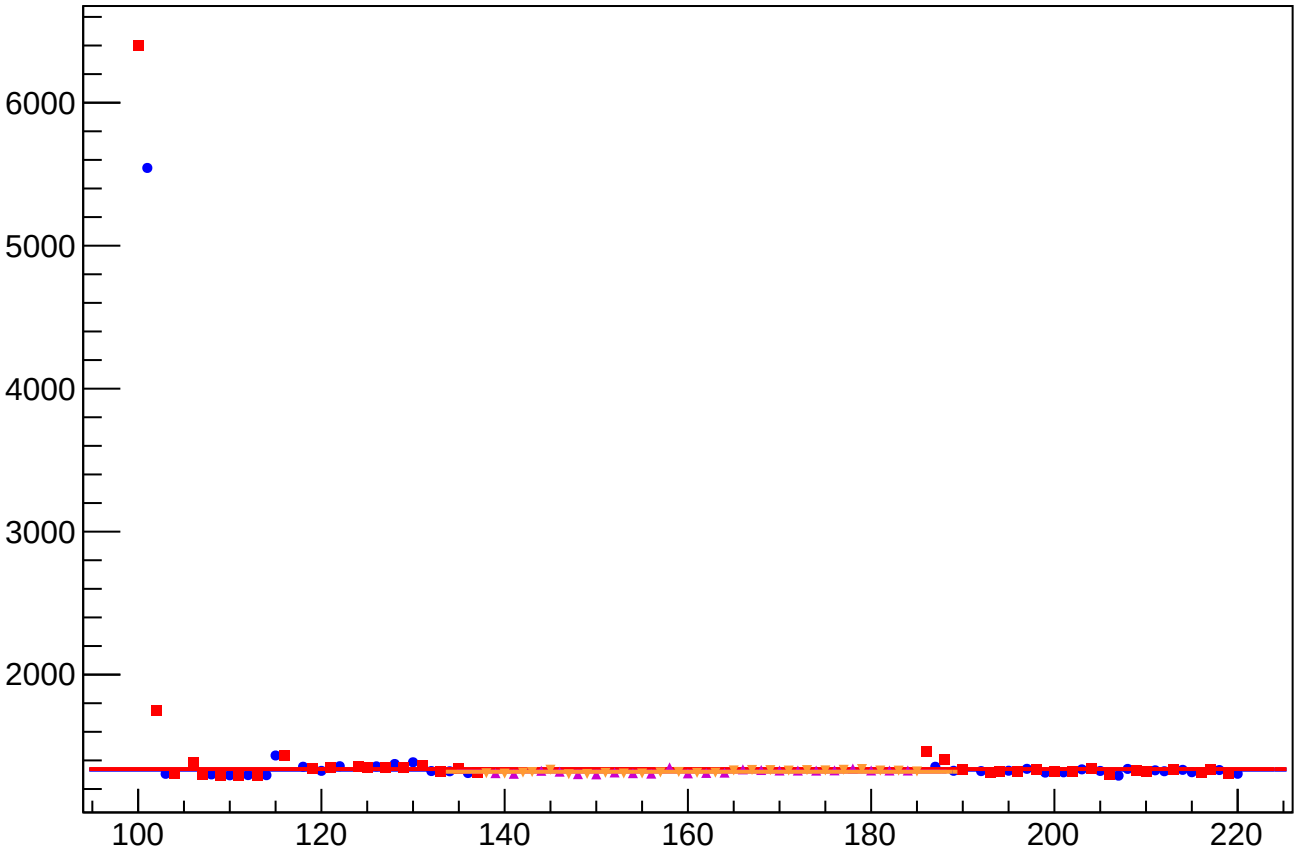
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 145.608+/-207.053 χ^2/NDF: 59.5/68

In: 142.754+/-212.672 χ^2/NDF:60.4/55

Out: -124.751+/-209.309 χ^2/NDF:58.3/60

All: 6.870+/-149.178 χ^2/NDF: 119.5/116



Right In: 1334.958+/-0.208 χ^2/NDF: 767949.8/32

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

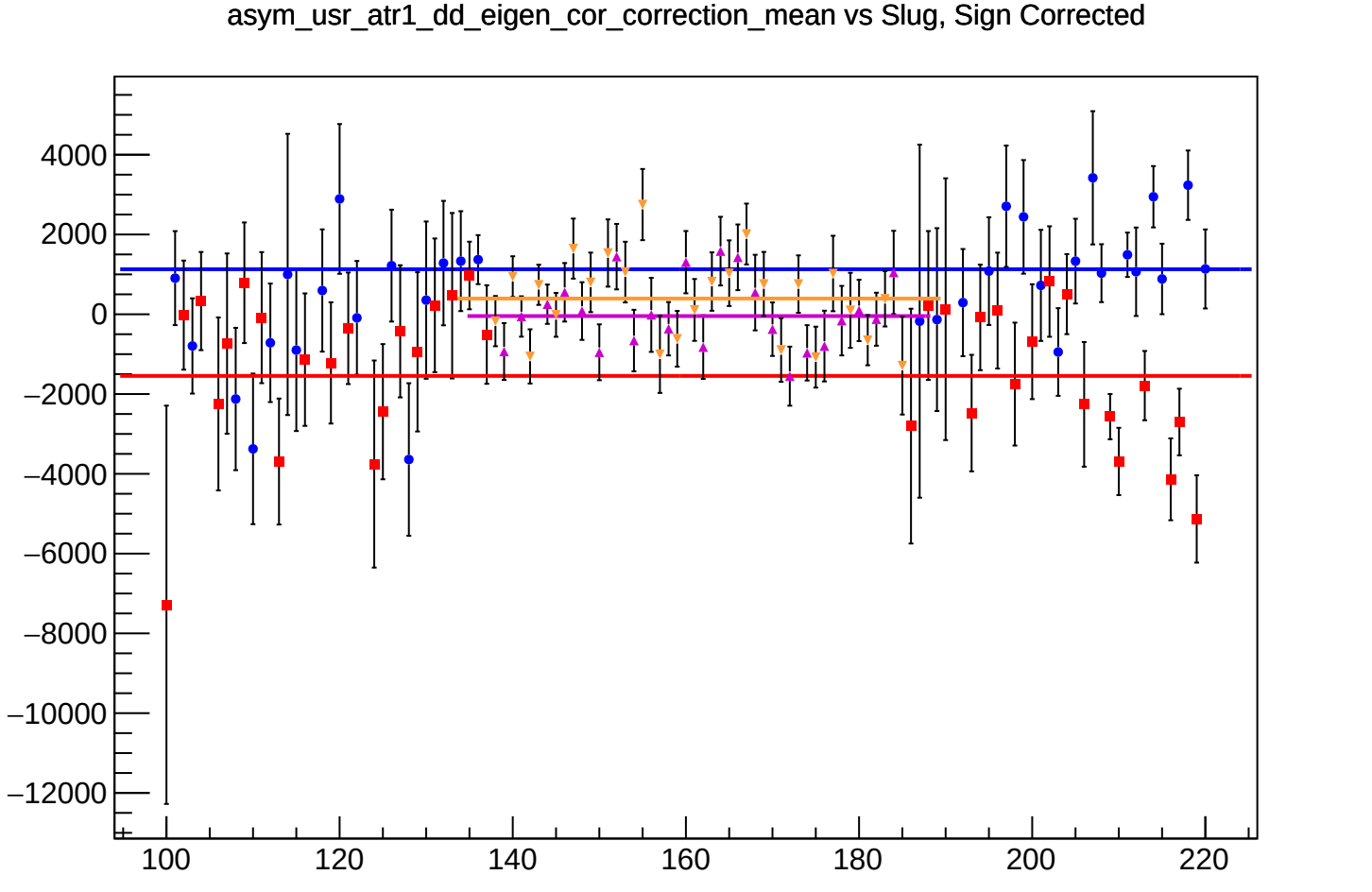
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1337.306+/-0.146 χ^2/NDF: 932276.6/68

In: 1328.701+/-0.150 χ^2/NDF:773417.1/55

Out: 1330.437+/-0.148 χ^2/NDF:170745.2/60

All: 1329.583+/-0.105 χ^2/NDF: 944230.0/116



Right In: 1129.373+/-200.613 χ^2/NDF: 42.7/32

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -1545.011+/-214.112 χ^2/NDF: 64.9/35

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

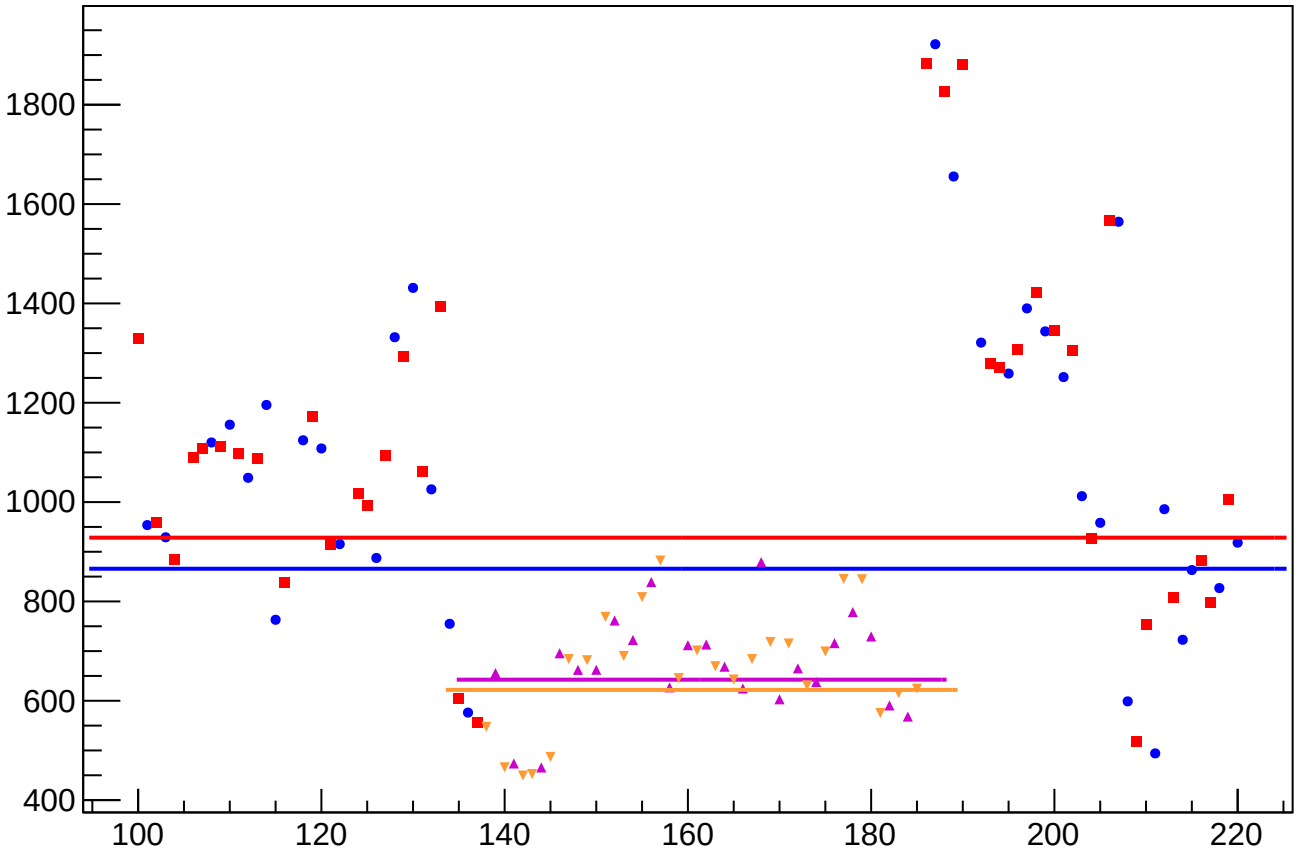
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -120.862+/-146.395 χ^2/NDF: 190.7/68

In: 384.636+/-121.320 χ^2/NDF:92.1/55

Out: -212.778+/-119.810 χ^2/NDF:163.1/60

All: 82.189+/-85.247 χ^2/NDF: 267.4/116



Right In: 865.827+/-0.142 χ^2/NDF: 4048963.0/32

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 928.384+/-0.151 χ^2/NDF: 4166932.8/35

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

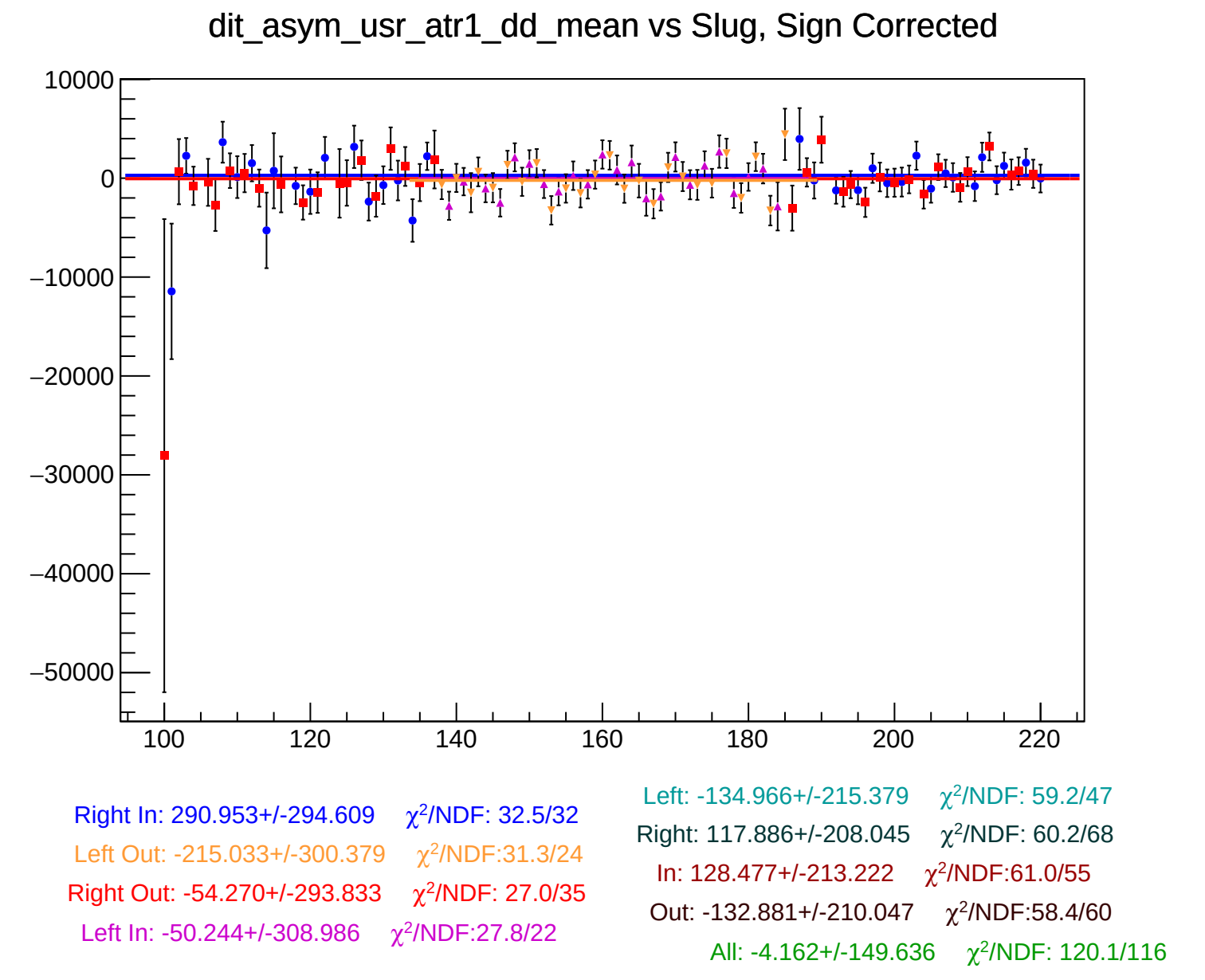
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

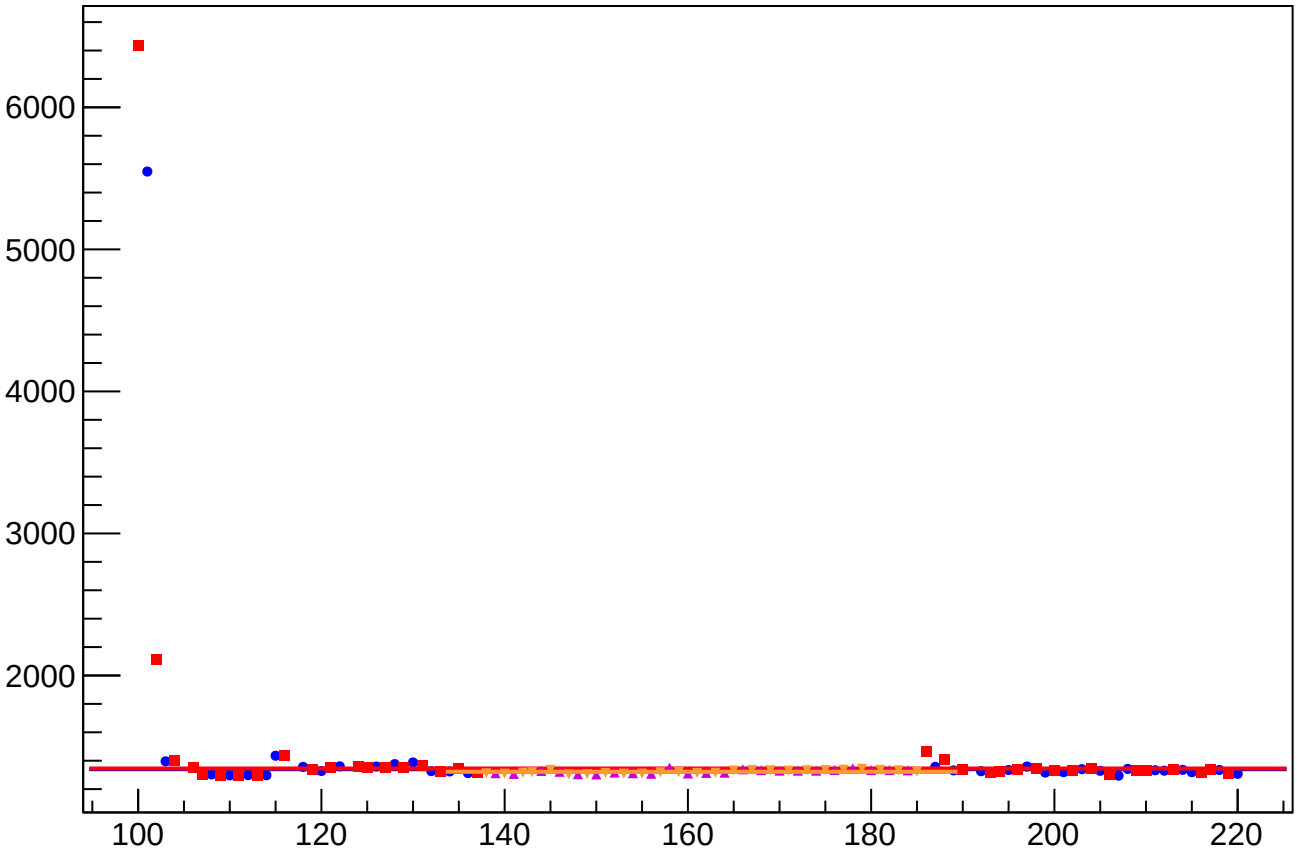
Right: 895.072+/-0.104 χ^2/NDF: 8306812.2/68

In: 724.152+/-0.086 χ^2/NDF:6547912.3/55

Out: 717.900+/-0.085 χ^2/NDF:8364183.6/60

All: 720.987+/-0.060 χ^2/NDF: 14914785.1/1


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 290.953+/-294.609 χ²/NDF: 32.5/32
Left Out: -215.033+/-300.379 χ²/NDF:31.3/24
Right Out: -54.270+/-293.833 χ²/NDF: 27.0/35
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.966+/-215.379 χ²/NDF: 59.2/47
Right: 117.886+/-208.045 χ²/NDF: 60.2/68
In: 128.477+/-213.222 χ²/NDF:61.0/55
Out: -132.881+/-210.047 χ²/NDF:58.4/60
All: -4.162+/-149.636 χ²/NDF: 120.1/116



Right In: 1340.071+/-0.208 χ^2/NDF: 769252.3/32

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1345.301+/-0.208 χ^2/NDF: 222589.4/35

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

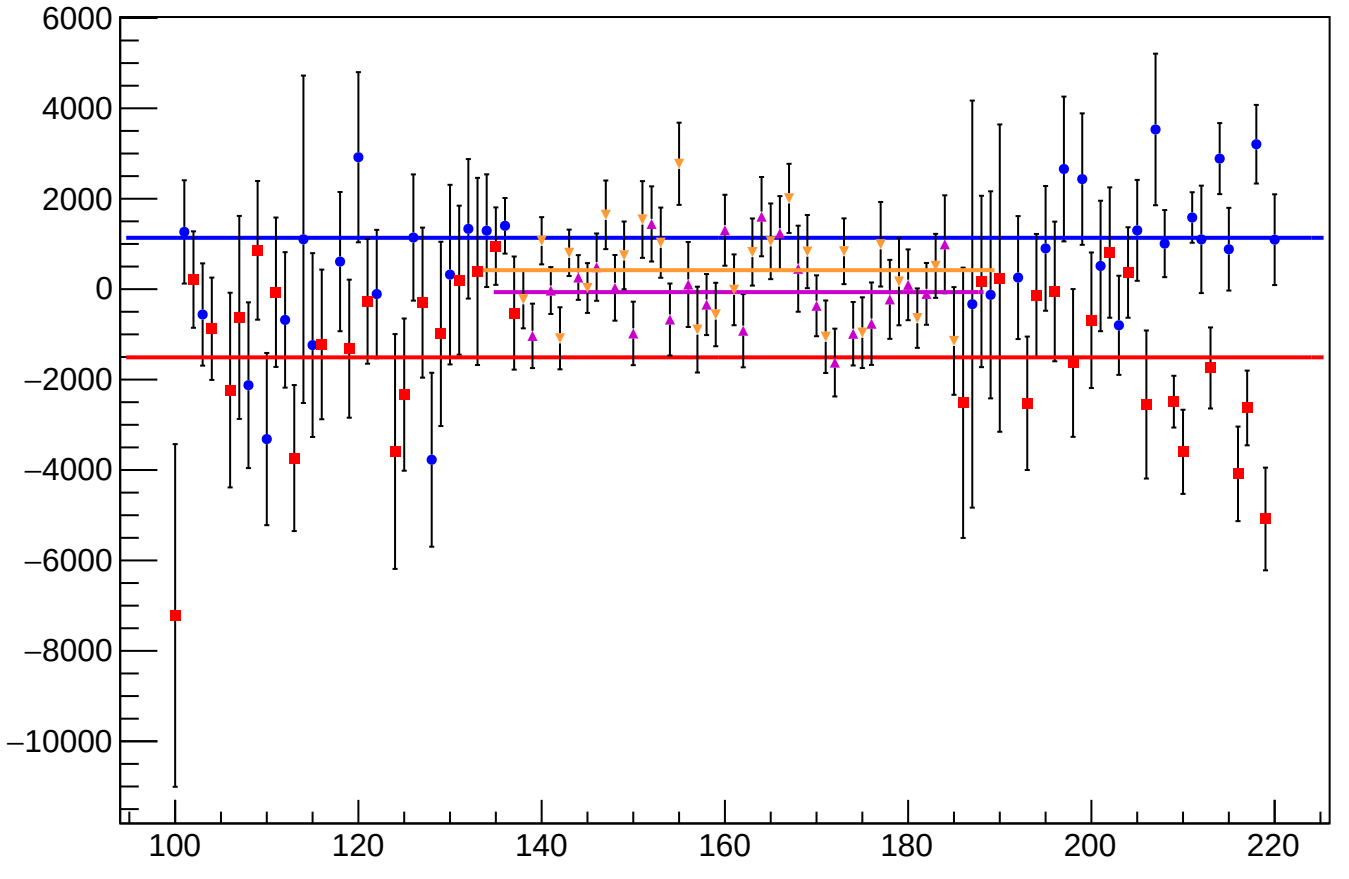
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1342.693+/-0.147 χ^2/NDF: 992157.6/68

In: 1332.102+/-0.151 χ^2/NDF:776181.1/55

Out: 1334.087+/-0.149 χ^2/NDF:231478.0/60

All: 1333.110+/-0.106 χ^2/NDF: 1007747.2/11



Right In: 1135.931+/-202.740 χ^2/NDF: 41.7/32

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -1508.318+/-215.567 χ^2/NDF: 59.8/35

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

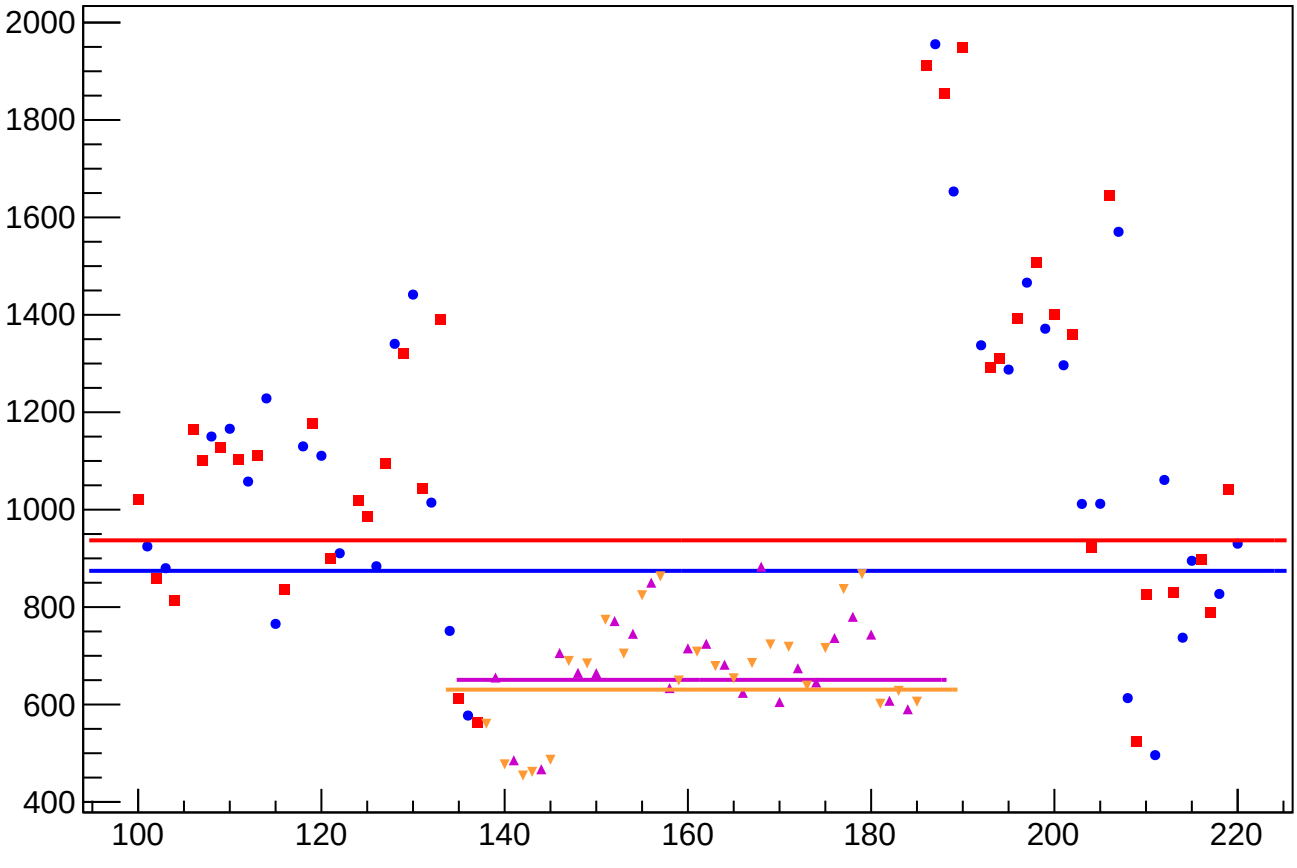
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -105.186+/-147.685 χ^2/NDF: 181.4/68

In: 374.949+/-122.746 χ^2/NDF:91.0/55

Out: -188.938+/-121.131 χ^2/NDF:156.1/60

All: 89.270+/-86.218 χ^2/NDF: 257.8/116



Right In: 874.417+/-0.143 χ^2/NDF: 4152321.7/32

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 937.009+/-0.152 χ^2/NDF: 4331499.7/35

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

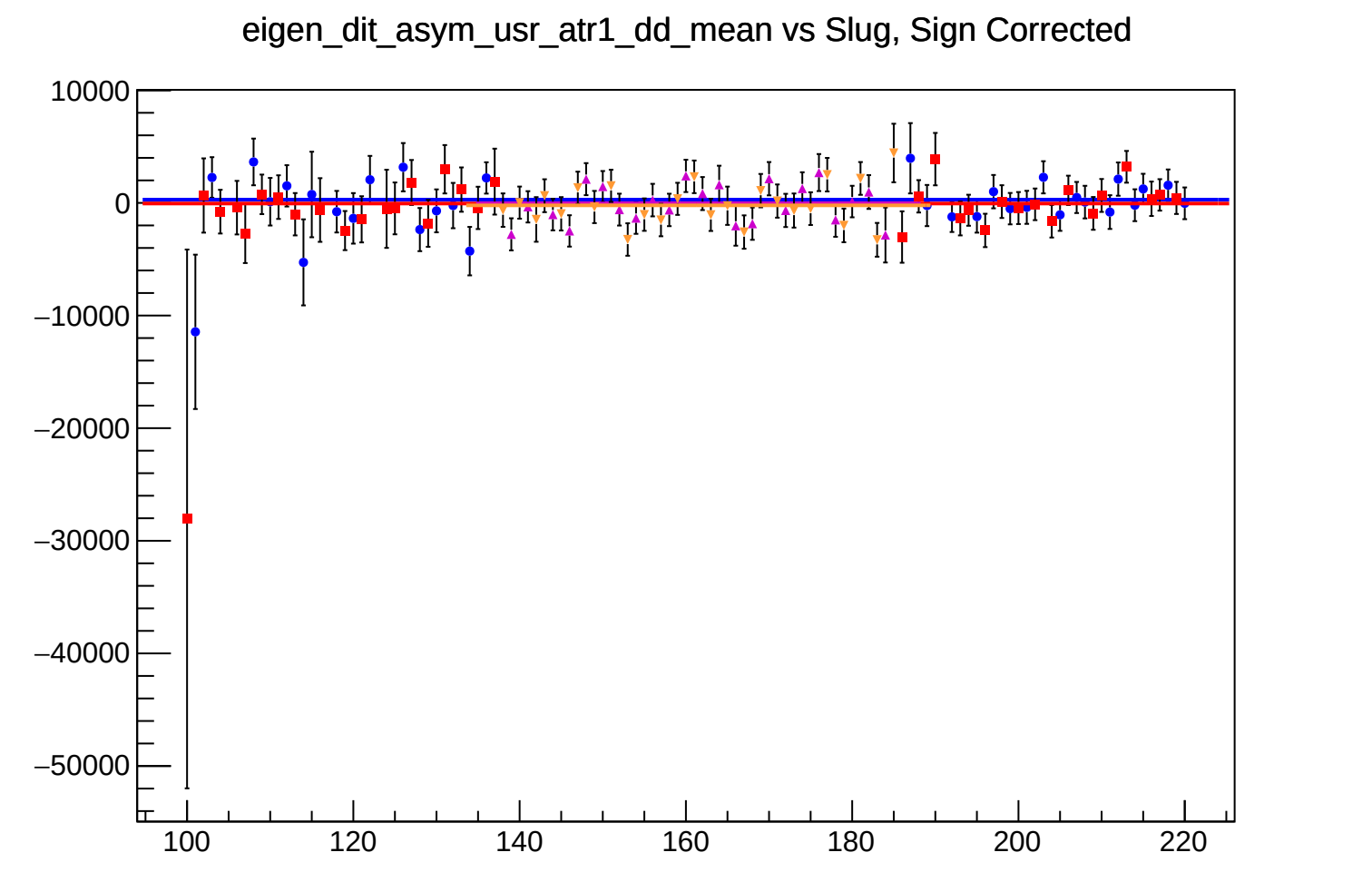
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 903.795+/-0.104 χ^2/NDF: 8573297.9/68

In: 732.664+/-0.087 χ^2/NDF:6617888.7/55

Out: 727.343+/-0.086 χ^2/NDF:8425167.6/60

All: 729.969+/-0.061 χ^2/NDF: 15044960.2/11



Right In: 290.953+/-294.609 χ^2/NDF: 32.5/32

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -54.265+/-293.833 χ^2/NDF: 27.0/35

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

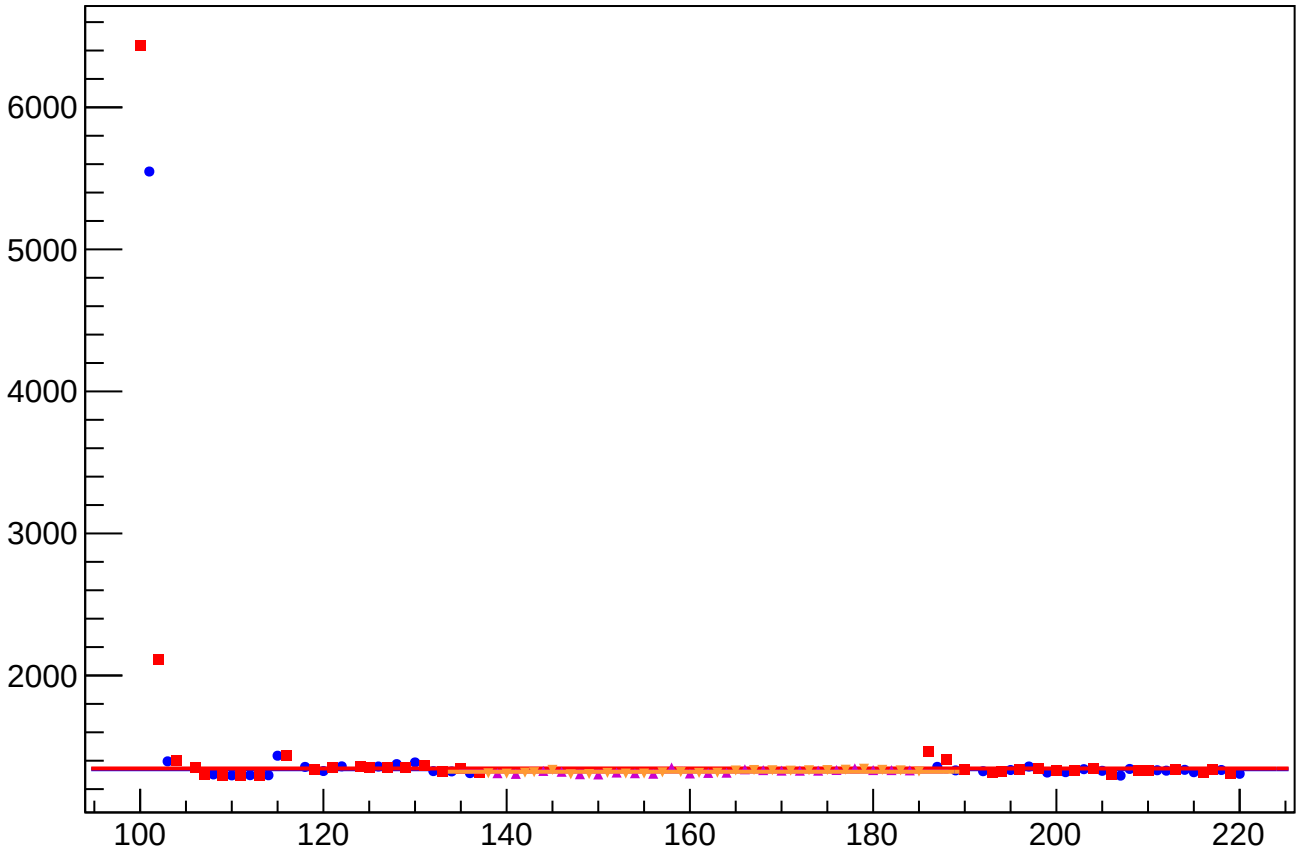
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 117.888+/-208.045 χ^2/NDF: 60.2/68

In: 128.477+/-213.222 χ^2/NDF:61.0/55

Out: -132.879+/-210.047 χ^2/NDF:58.4/60

All: -4.161+/-149.636 χ^2/NDF: 120.1/116



Right In: 1340.071+/-0.208 χ^2/NDF: 769252.3/32

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1345.301+/-0.208 χ^2/NDF: 222589.3/35

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

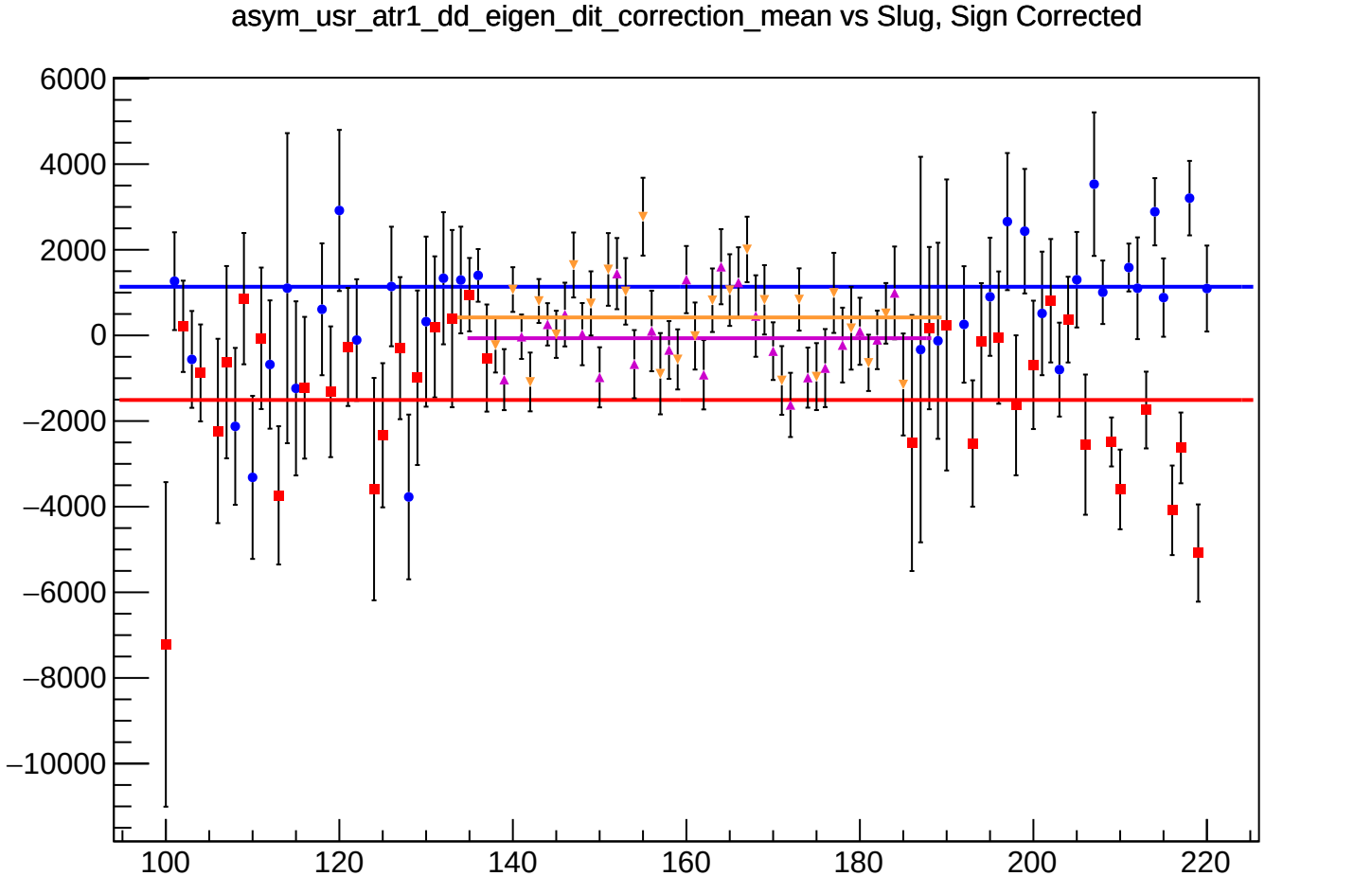
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1342.693+/-0.147 χ^2/NDF: 992157.5/68

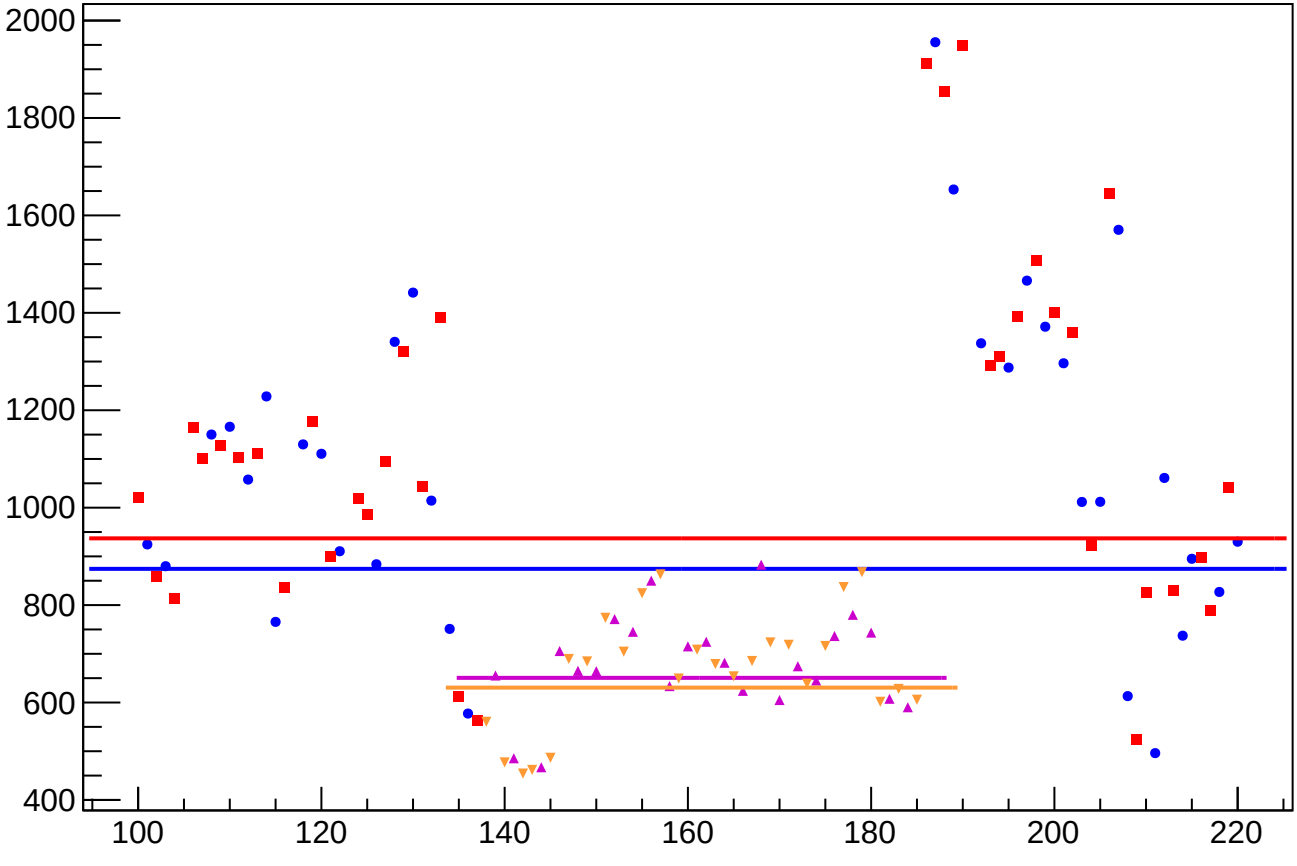
In: 1332.102+/-0.151 χ^2/NDF:776181.1/55

Out: 1334.087+/-0.149 χ^2/NDF:231478.0/60

All: 1333.110+/-0.106 χ^2/NDF: 1007747.0/11


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
220
Right In: 1135.928+/-202.740 χ²/NDF: 41.7/32
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -1508.317+/-215.566 χ²/NDF: 59.8/35
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: -105.190+/-147.685 χ²/NDF: 181.4/68
In: 374.950+/-122.746 χ²/NDF:91.0/55
Out: -188.941+/-121.131 χ²/NDF:156.1/60
All: 89.269+/-86.218 χ²/NDF: 257.8/116

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 874.416+/-0.143 χ^2/NDF: 4152315.1/32

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 937.007+/-0.152 χ^2/NDF: 4331524.7/35

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

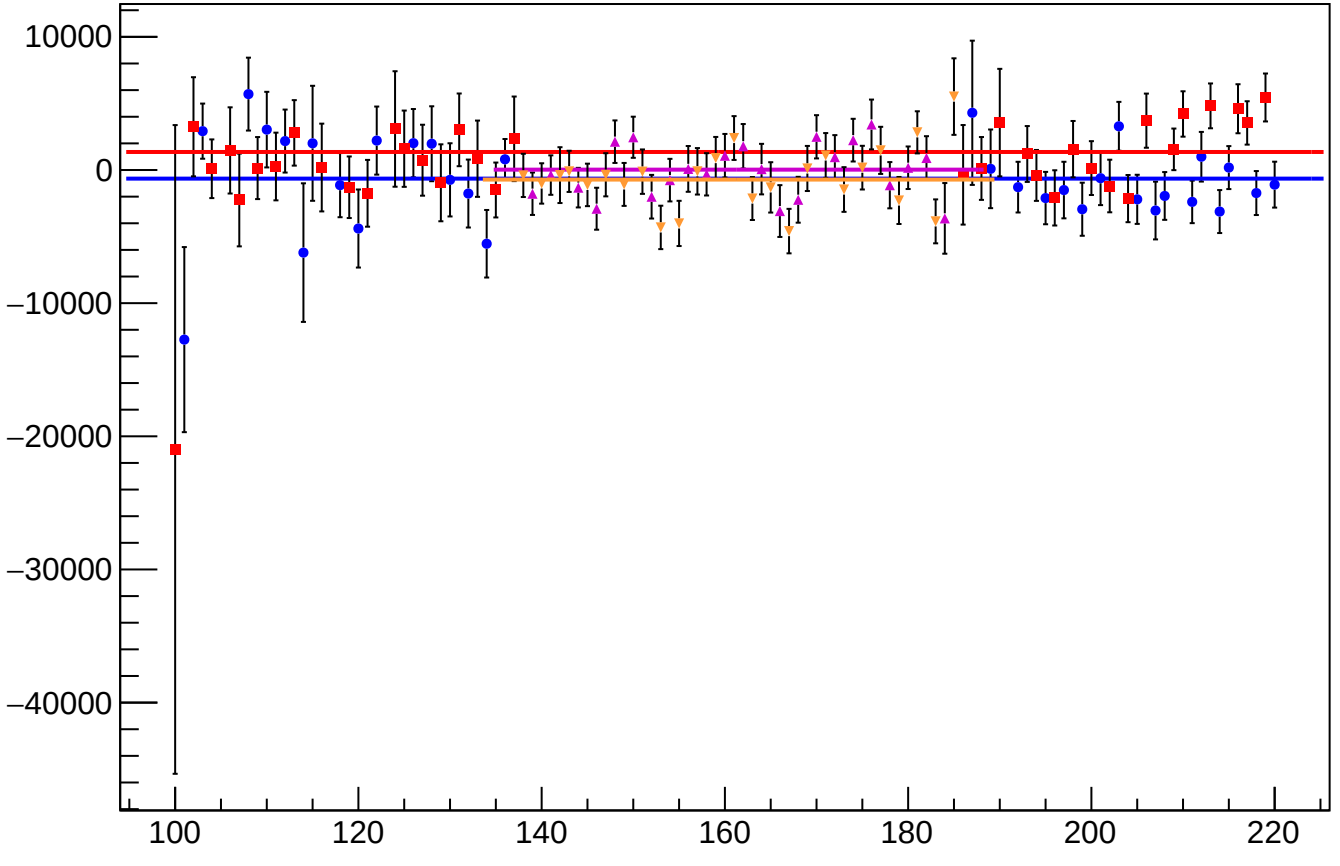
Right: 903.794+/-0.104 χ^2/NDF: 8573312.2/68

In: 732.665+/-0.087 χ^2/NDF:6617865.7/55

Out: 727.344+/-0.086 χ^2/NDF:8425166.3/60

All: 729.969+/-0.061 χ^2/NDF: 15044936.2/11

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -646.715+/-376.915 χ^2/NDF: 40.9/32

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 1354.211+/-382.251 χ^2/NDF: 38.3/35

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

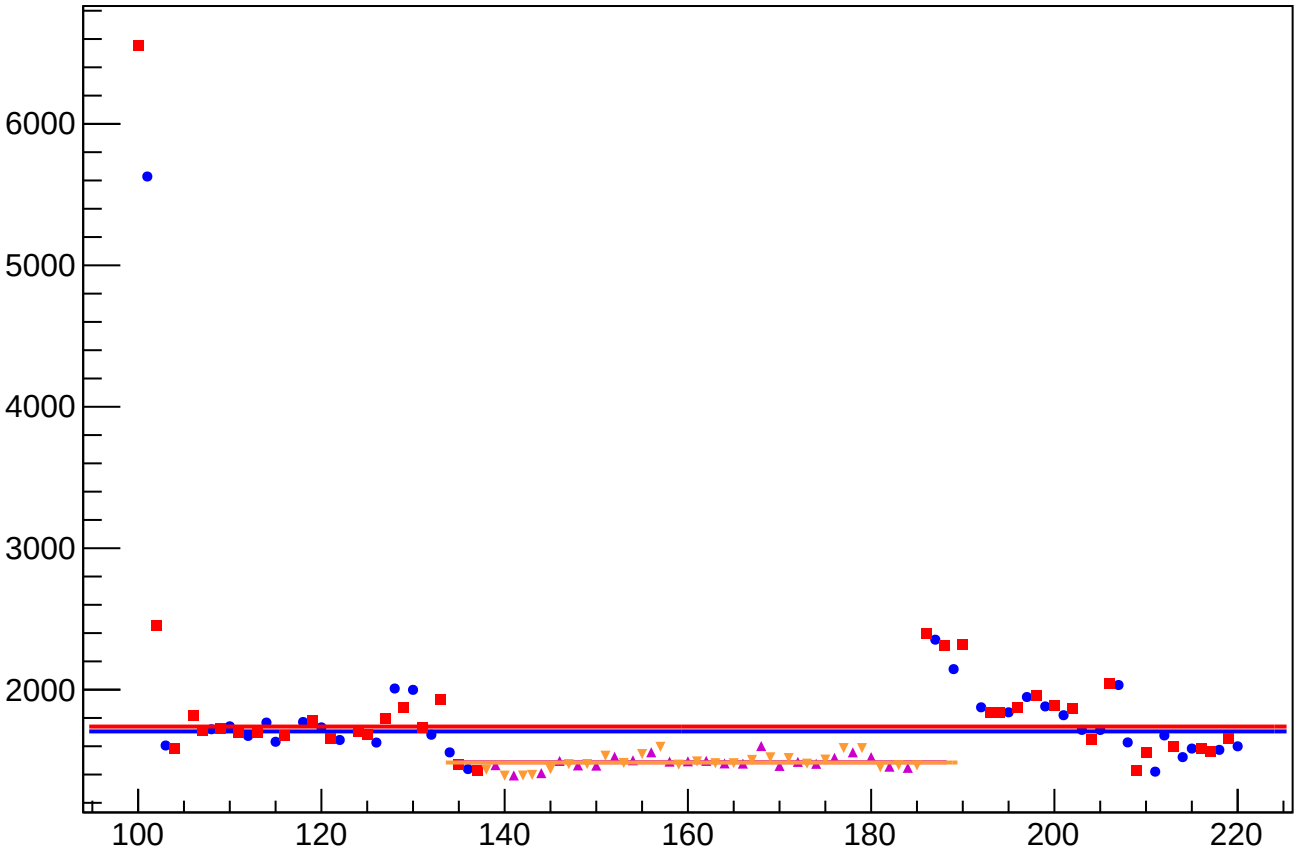
Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

Right: 339.686+/-268.386 χ^2/NDF: 93.1/68

In: -282.186+/-255.453 χ^2/NDF:70.6/55

Out: 189.832+/-253.031 χ^2/NDF:92.6/60

All: -43.929+/-179.770 χ^2/NDF: 164.9/116



Right In: 1704.922+/-0.267 χ^2/NDF: 1079331.1/32

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1739.250+/-0.270 χ^2/NDF: 725126.9/35

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

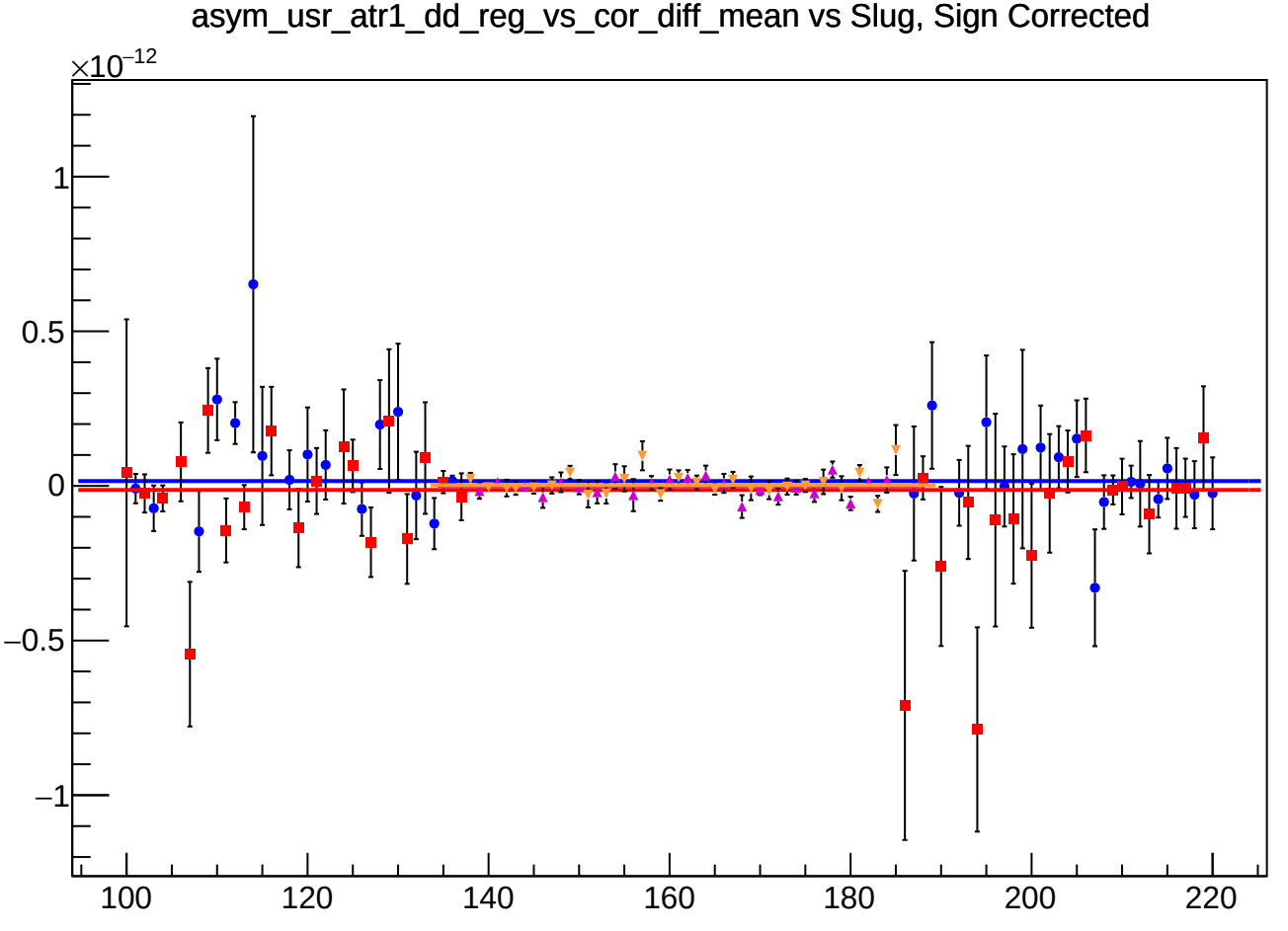
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1721.844+/-0.190 χ^2/NDF: 1812636.2/68

In: 1587.161+/-0.181 χ^2/NDF:1475242.5/55

Out: 1596.384+/-0.179 χ^2/NDF:1273299.1/60

All: 1591.816+/-0.127 χ^2/NDF: 2749857.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/35

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

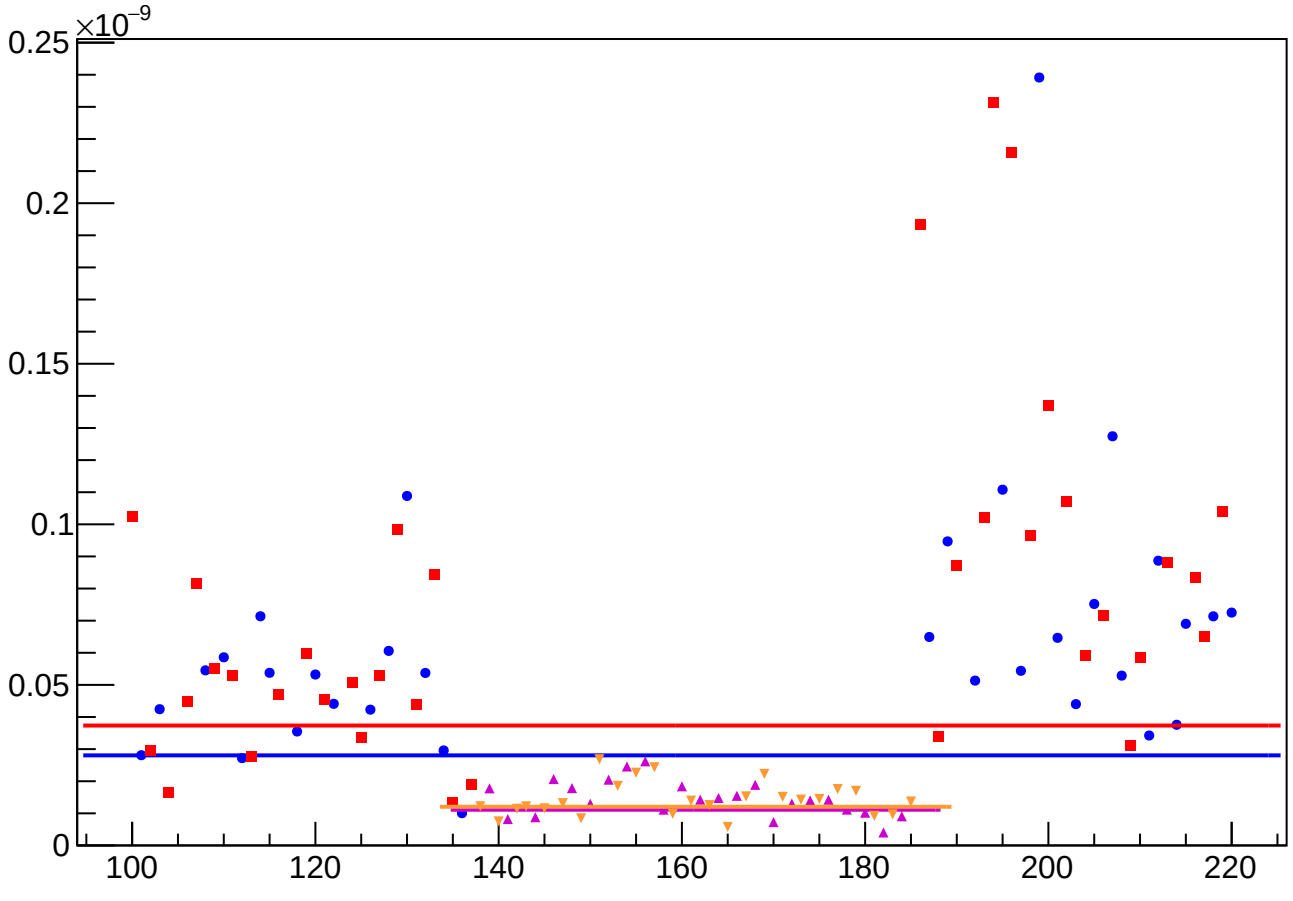
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 72.2/68

In: 0.000+/-0.000 χ^2/NDF:60.2/55

Out: 0.000+/-0.000 χ^2/NDF:62.6/60

All: 0.000+/-0.000 χ^2/NDF: 122.8/116



Right In: 0.000+/-0.000 χ^2/NDF: 7225247.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6255143.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

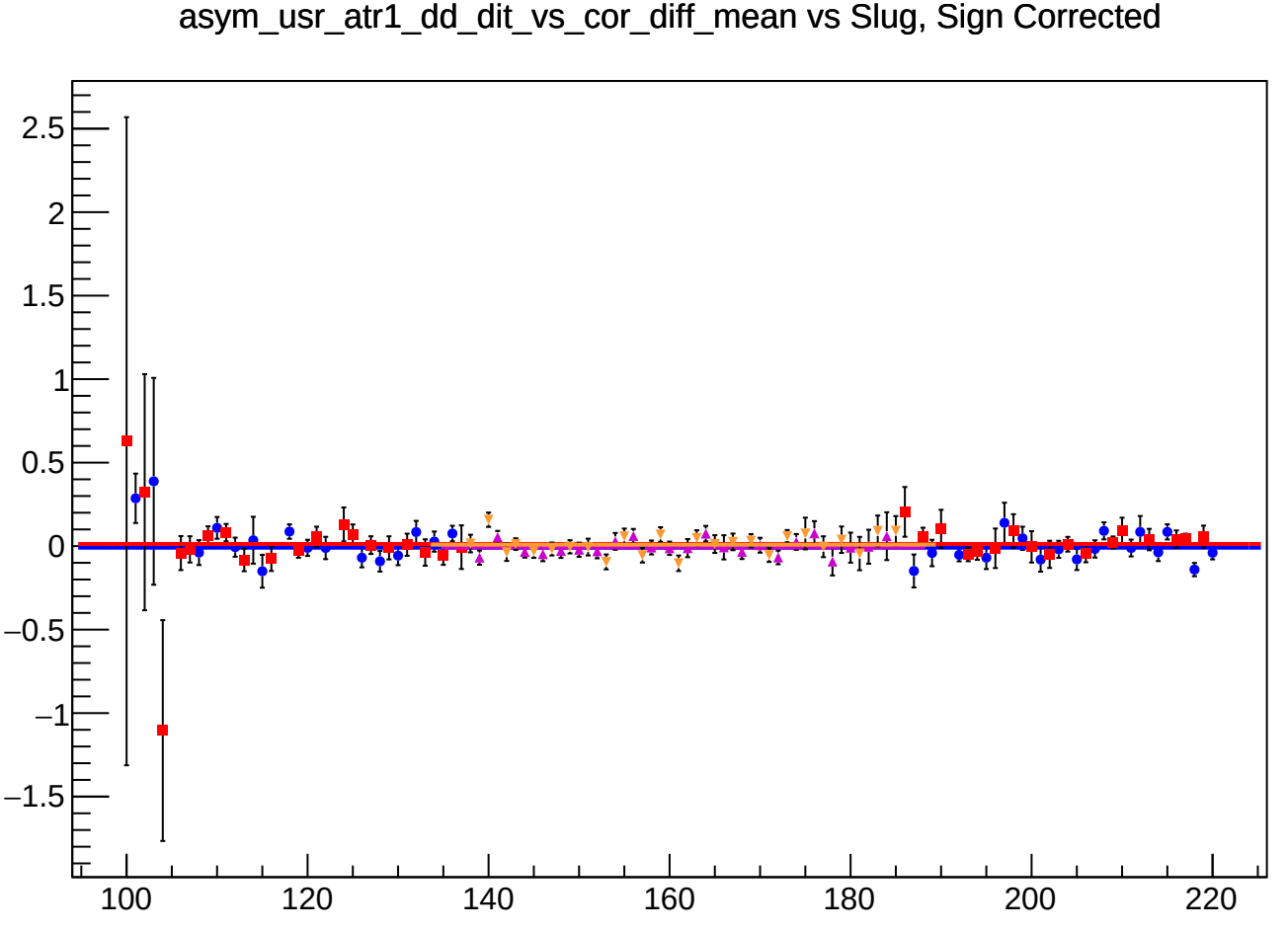
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13911776.9/68

In: 0.000+/-0.000 χ^2/NDF:12624811.7/55

Out: 0.000+/-0.000 χ^2/NDF:12538426.1/60

All: 0.000+/-0.000 χ^2/NDF: 25212335.3/116



Right In: -0.009+/-0.010 χ^2/NDF: 53.7/32

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

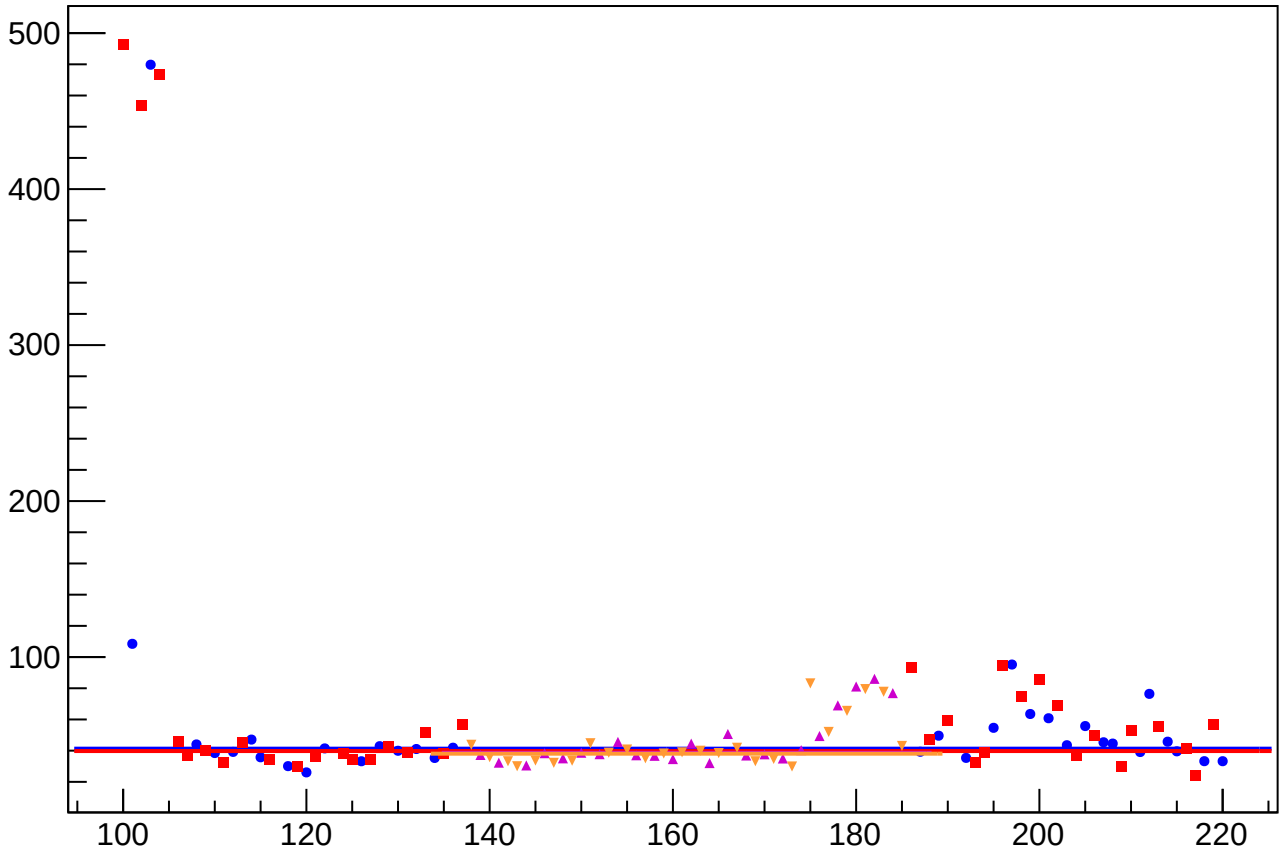
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.002+/-0.007 χ^2/NDF: 82.7/68

In: -0.009+/-0.007 χ^2/NDF:72.6/55

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.001+/-0.005 χ^2/NDF: 141.7/116



Right In: 41.274+/-0.007 χ^2/NDF: 3309561.2/32

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

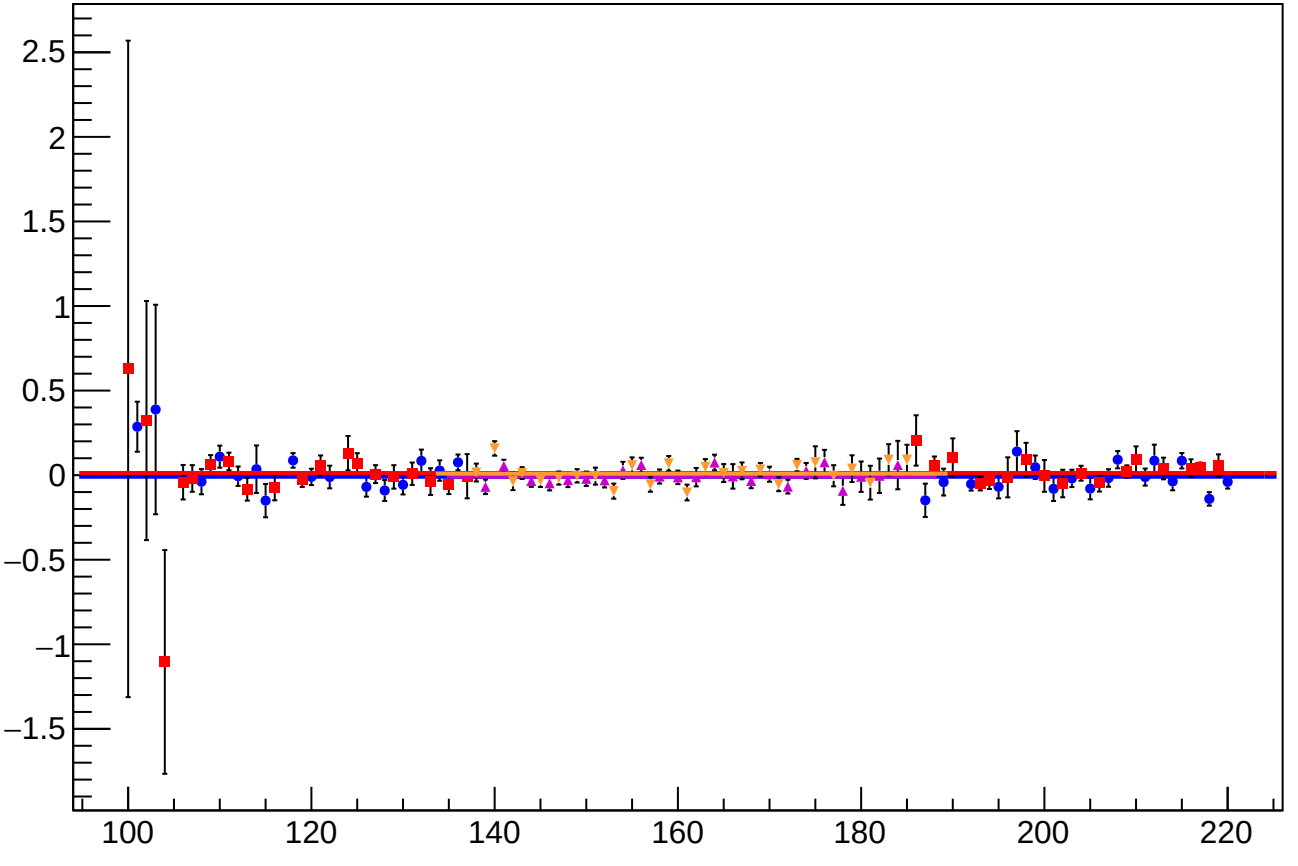
Right: 40.514+/-0.005 χ^2/NDF: 8182405.0/68

In: 39.910+/-0.005 χ^2/NDF:5106037.6/55

Out: 38.848+/-0.005 χ^2/NDF:6846514.4/60

All: 39.370+/-0.004 χ^2/NDF: 11975148.6/116

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.010 χ^2/NDF: 53.7/32

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

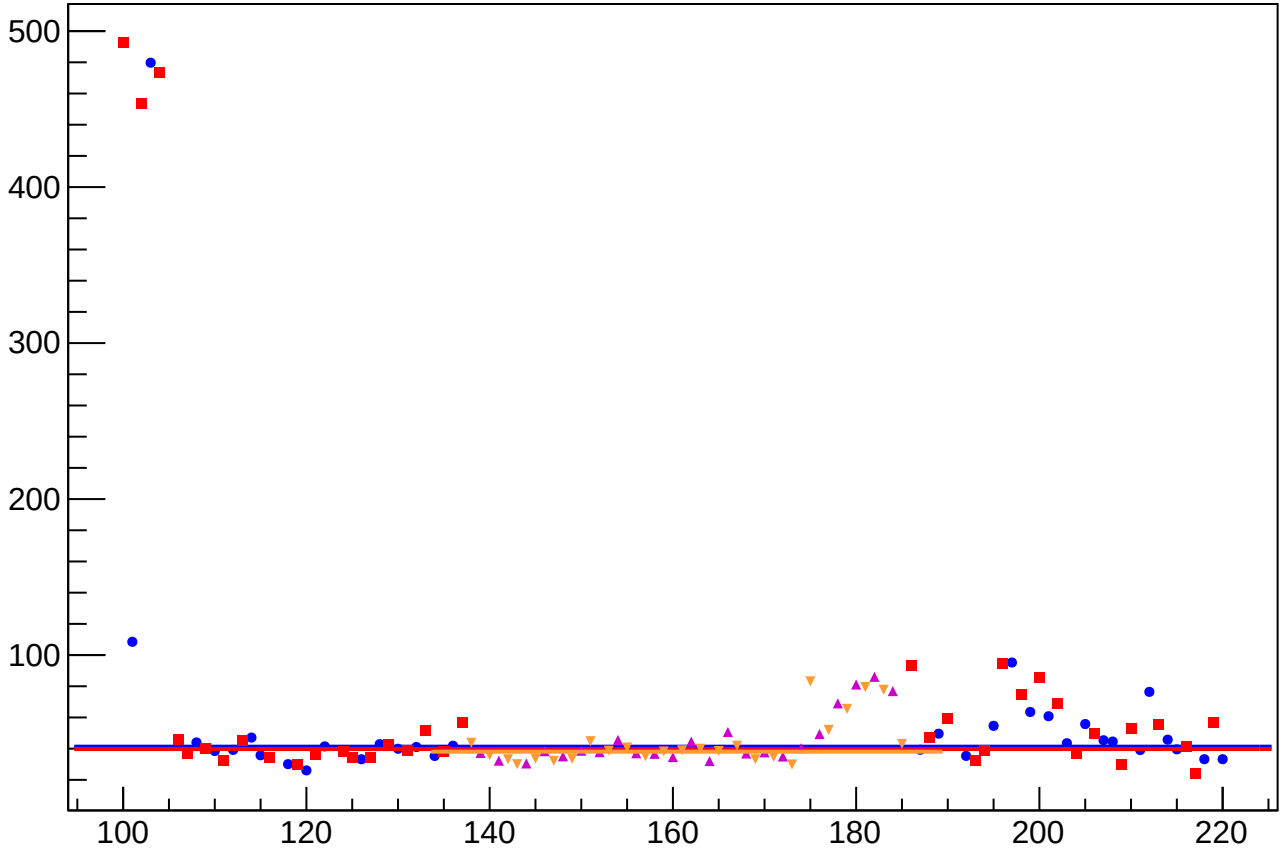
Right: 0.002+/-0.007 χ^2/NDF: 82.7/68

In: -0.009+/-0.007 χ^2/NDF:72.6/55

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.001+/-0.005 χ^2/NDF: 141.7/116

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.274+/-0.007 χ^2/NDF: 3309561.2/32

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

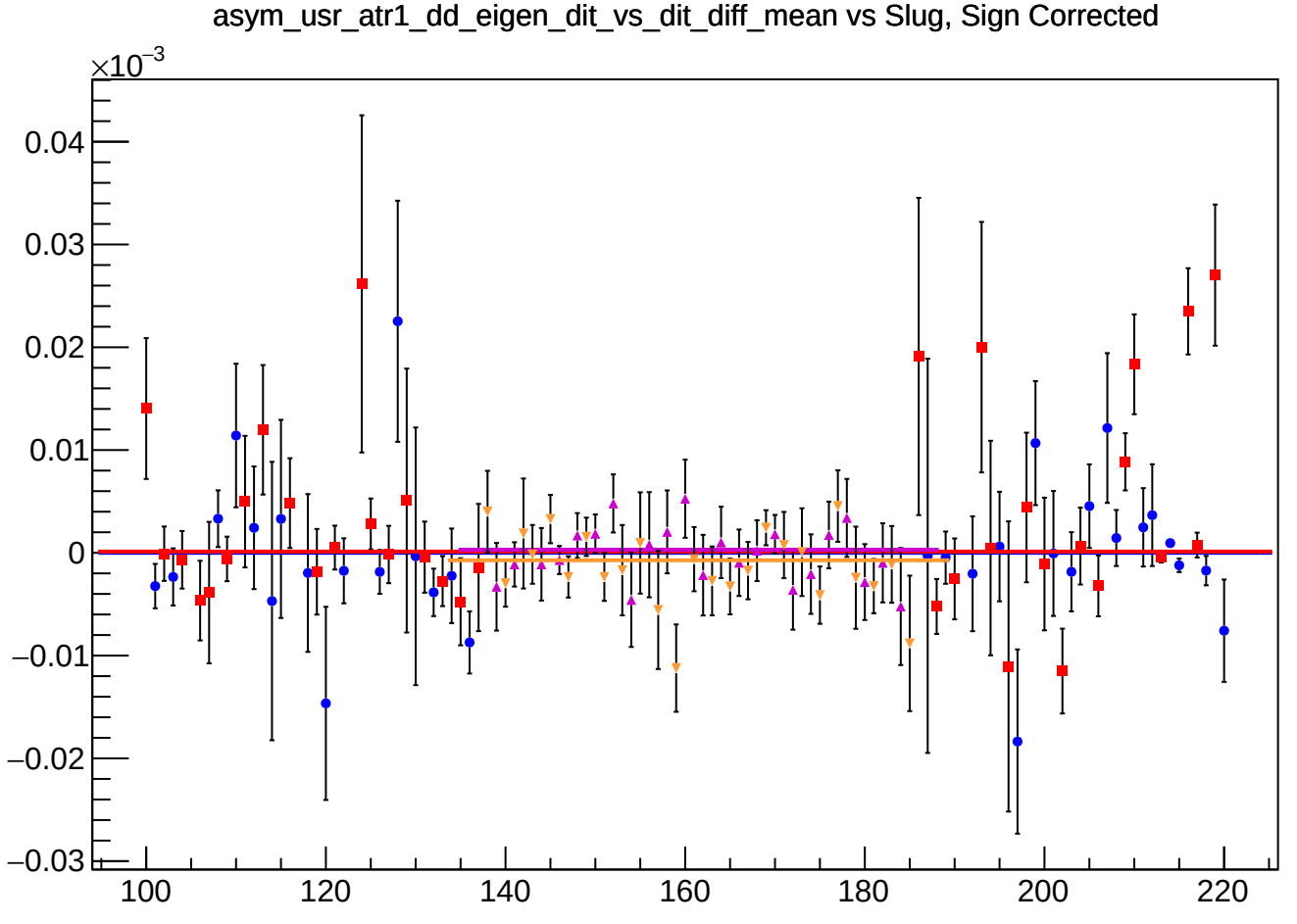
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.514+/-0.005 χ^2/NDF: 8182405.0/68

In: 39.910+/-0.005 χ^2/NDF:5106037.6/55

Out: 38.848+/-0.005 χ^2/NDF:6846514.4/60

All: 39.370+/-0.004 χ^2/NDF: 11975148.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 51.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 109.3/35

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

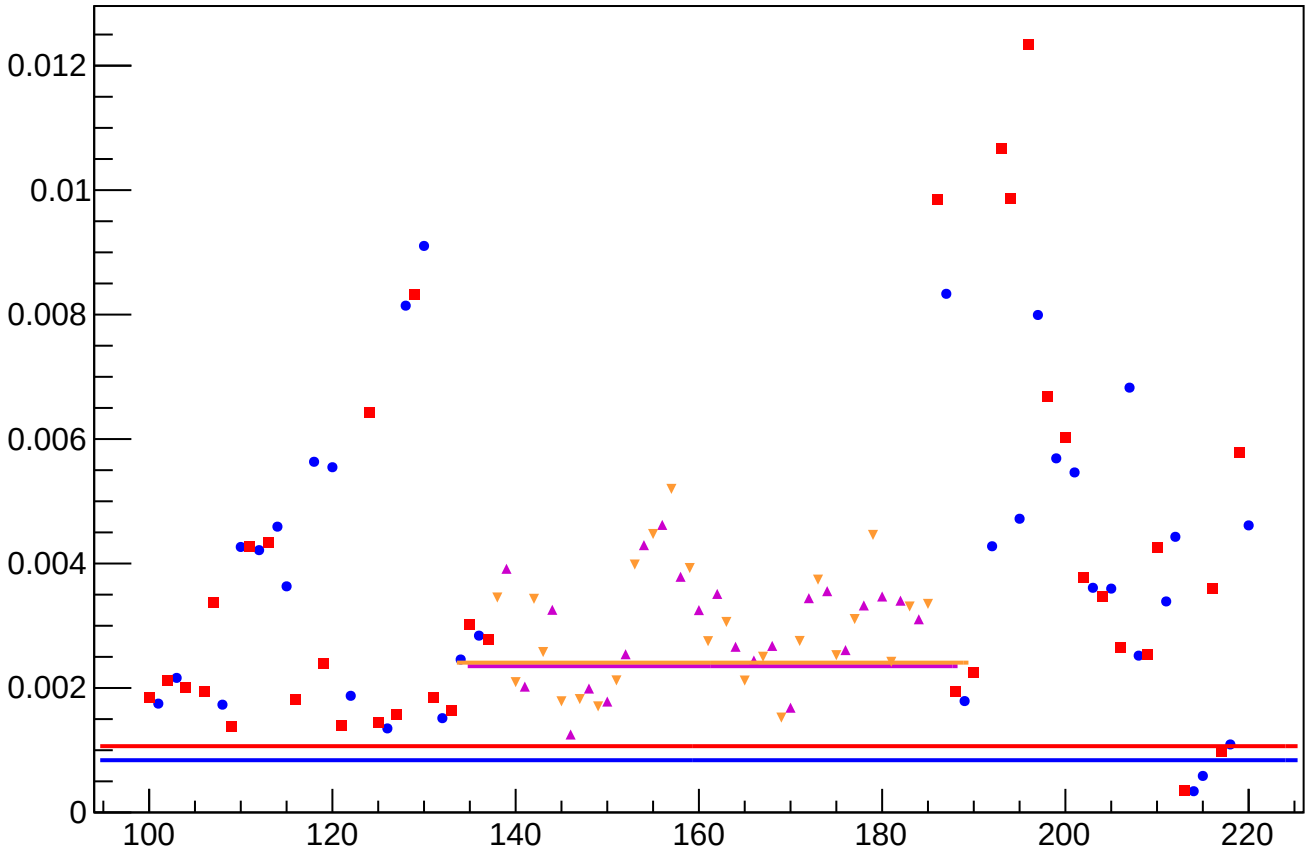
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: 0.000+/-0.000 χ^2/NDF: 161.0/68

In: 0.000+/-0.000 χ^2/NDF:65.7/55

Out: -0.000+/-0.000 χ^2/NDF:137.3/60

All: -0.000+/-0.000 χ^2/NDF: 203.2/116



Right In: 0.001+/-0.000 χ^2/NDF: 23687660.6/32

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 21085674.8/35

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

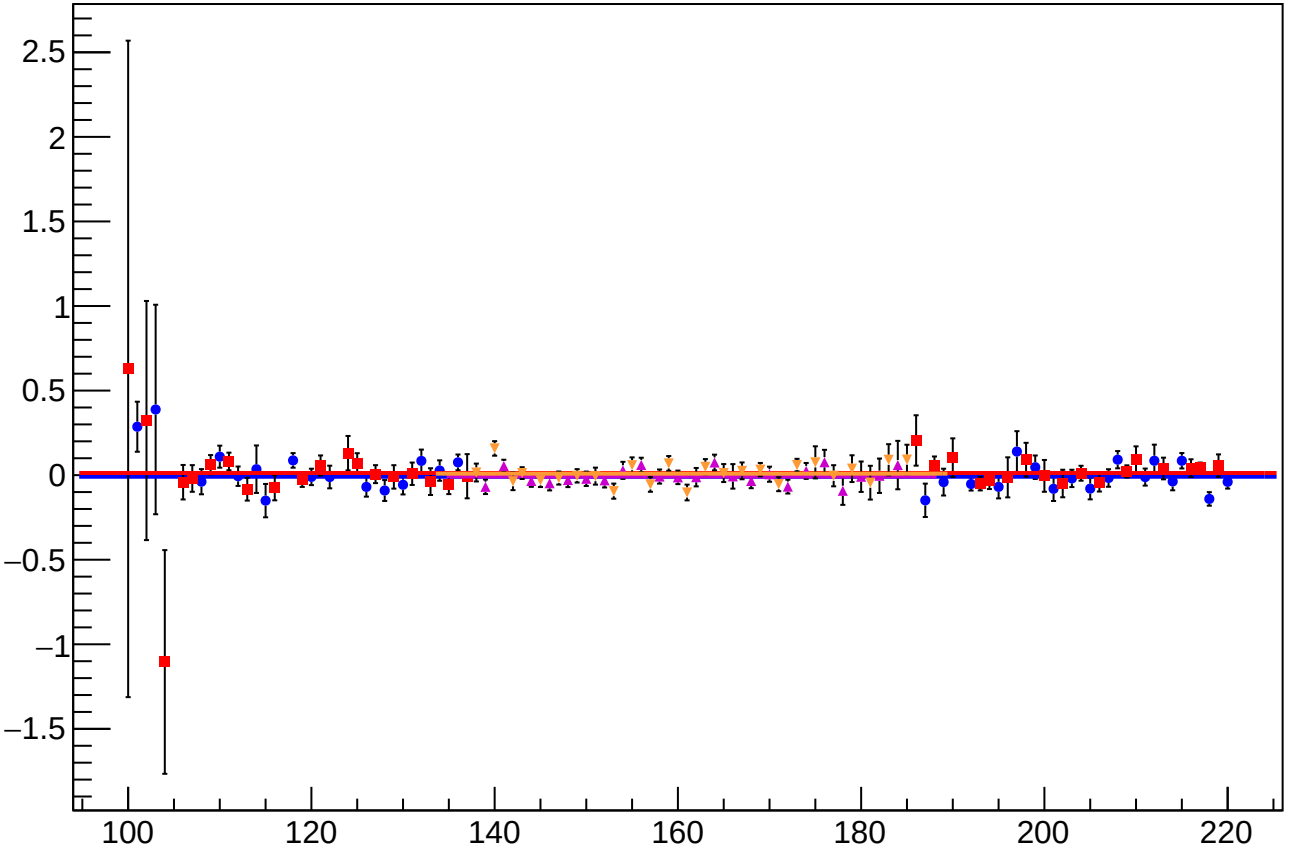
Right: 0.001+/-0.000 χ^2/NDF: 45217734.6/68

In: 0.001+/-0.000 χ^2/NDF:38380078.9/55

Out: 0.001+/-0.000 χ^2/NDF:32307660.6/60

All: 0.001+/-0.000 χ^2/NDF: 71730647.3/116

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.010 χ^2/NDF: 53.7/32

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

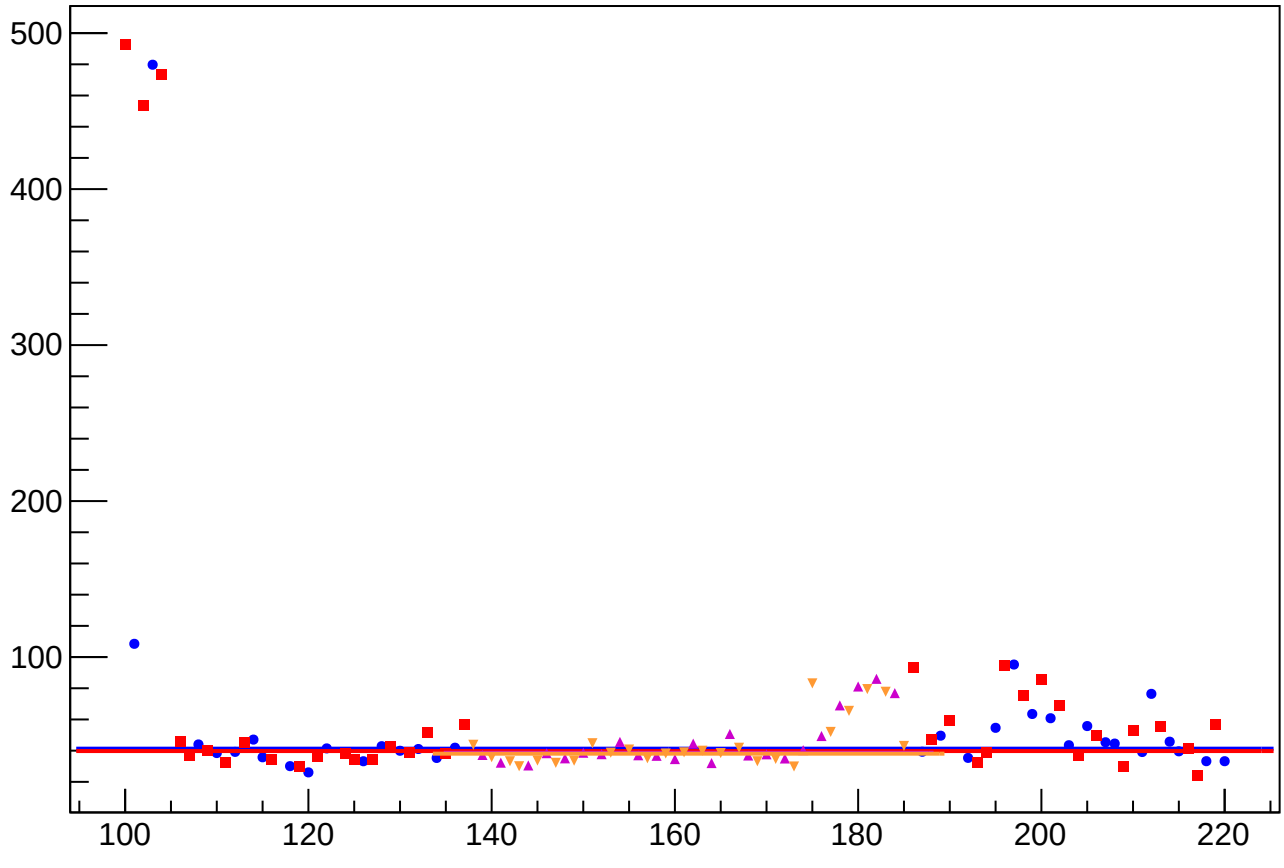
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.002+/-0.007 χ^2/NDF: 82.7/68

In: -0.009+/-0.007 χ^2/NDF:72.6/55

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.001+/-0.005 χ^2/NDF: 141.7/116



Right In: 41.273+/-0.007 χ^2/NDF: 3309833.6/32

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

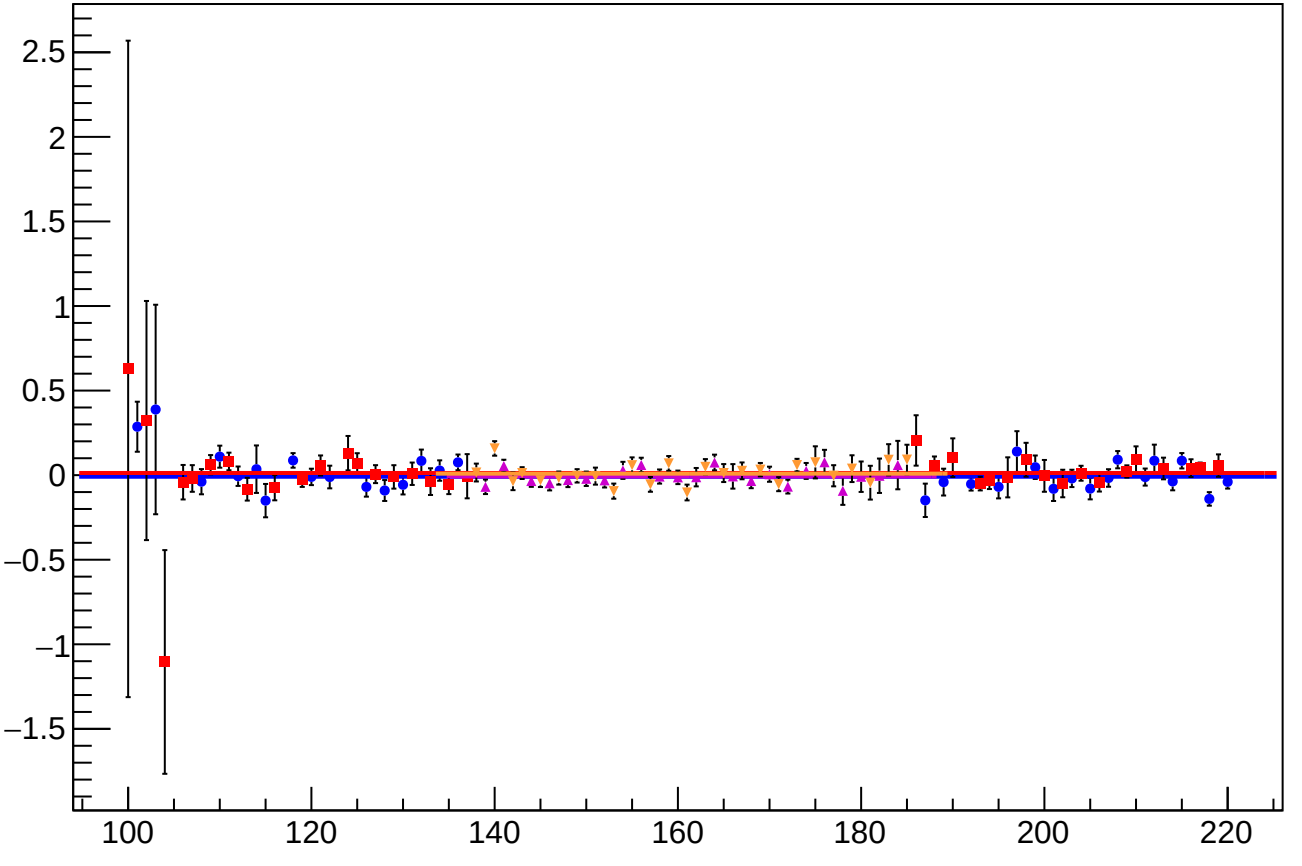
Right: 40.513+/-0.005 χ^2/NDF: 8183238.2/68

In: 39.909+/-0.005 χ^2/NDF:5106327.1/55

Out: 38.846+/-0.005 χ^2/NDF:6846927.7/60

All: 39.369+/-0.004 χ^2/NDF: 11975886.0/116

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.010 χ^2/NDF: 53.7/32

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

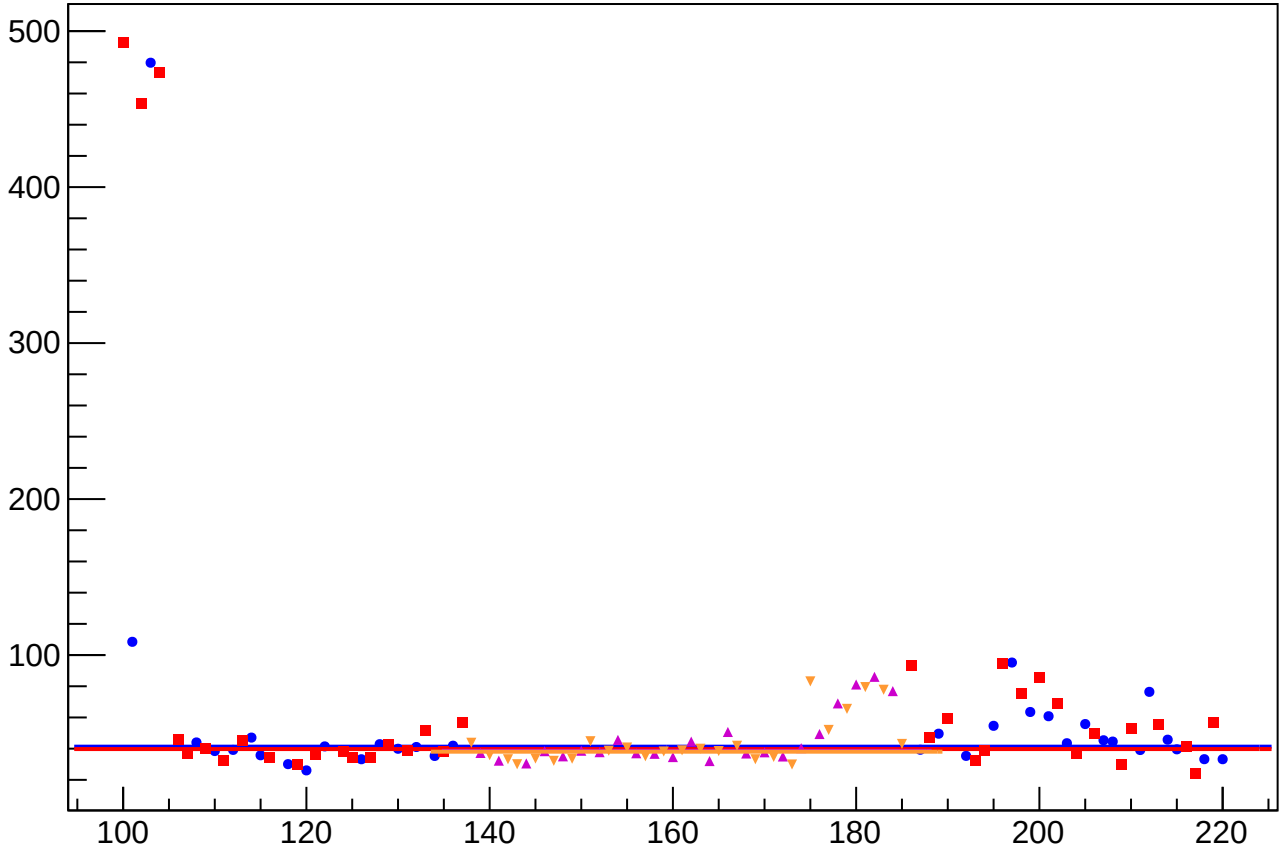
Right: 0.002+/-0.007 χ^2/NDF: 82.7/68

In: -0.009+/-0.007 χ^2/NDF:72.6/55

Out: 0.011+/-0.007 χ^2/NDF:65.4/60

All: 0.001+/-0.005 χ^2/NDF: 141.7/116

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.273+/-0.007 χ^2/NDF: 3309833.6/32

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

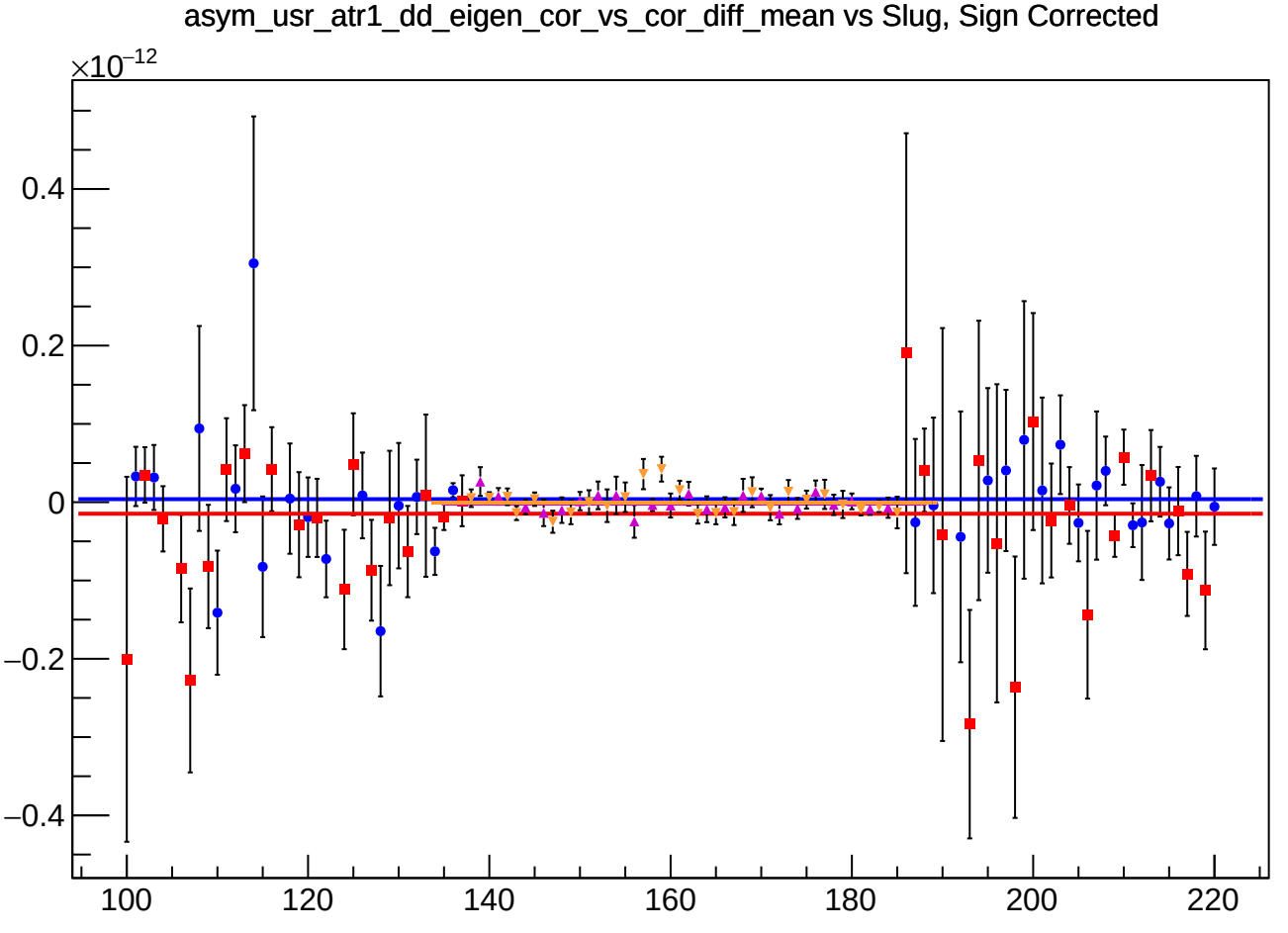
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 40.513+/-0.005 χ^2/NDF: 8183238.2/68

In: 39.909+/-0.005 χ^2/NDF:5106327.1/55

Out: 38.846+/-0.005 χ^2/NDF:6846927.7/60

All: 39.369+/-0.004 χ^2/NDF: 11975886.0/116



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/35

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

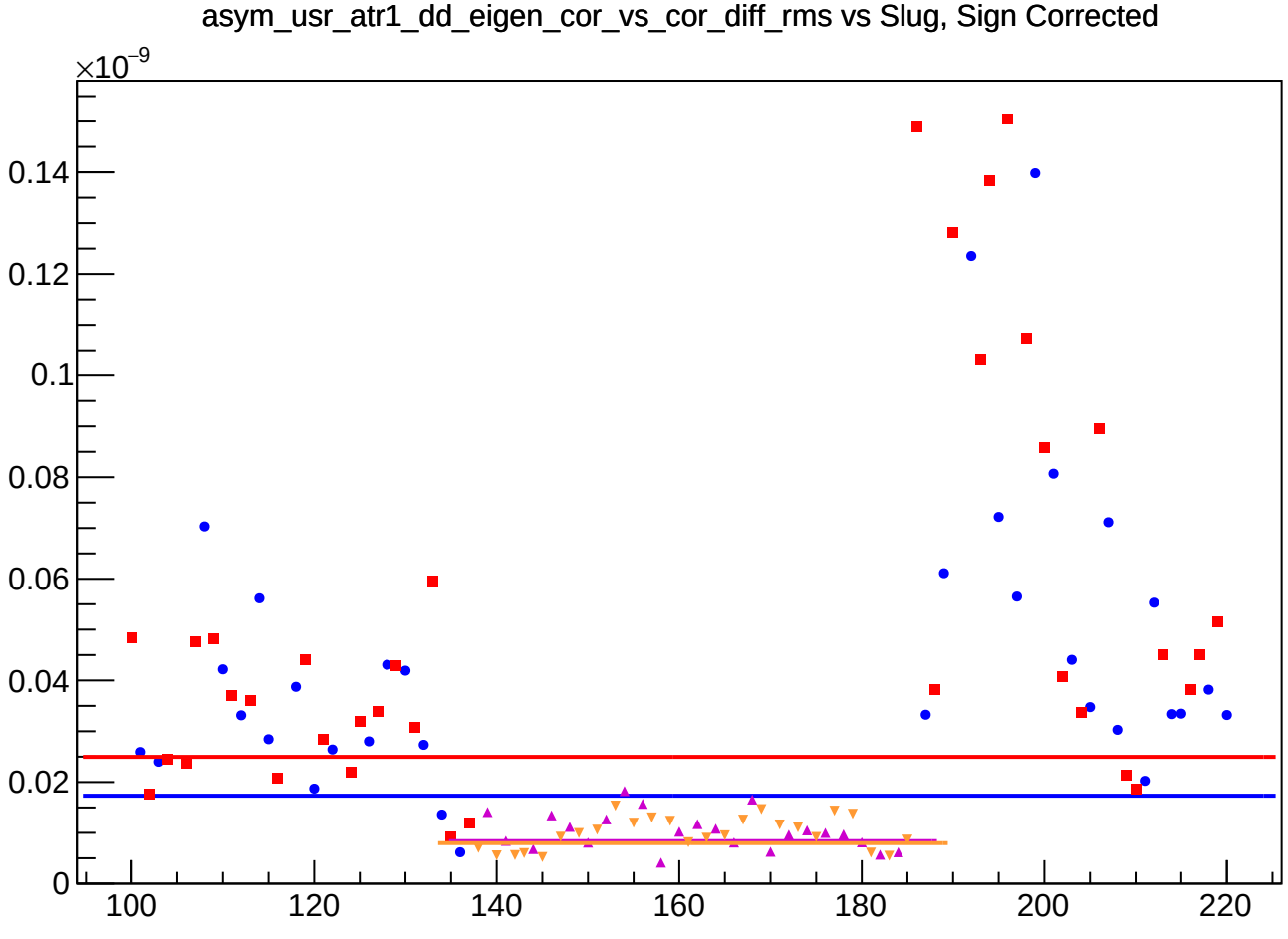
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 64.6/68

In: -0.000+/-0.000 χ^2/NDF:39.1/55

Out: -0.000+/-0.000 χ^2/NDF:64.3/60

All: -0.000+/-0.000 χ^2/NDF: 103.4/116



Right In: 0.000+/-0.000 χ^2/NDF: 11369578.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8830571.2/35

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

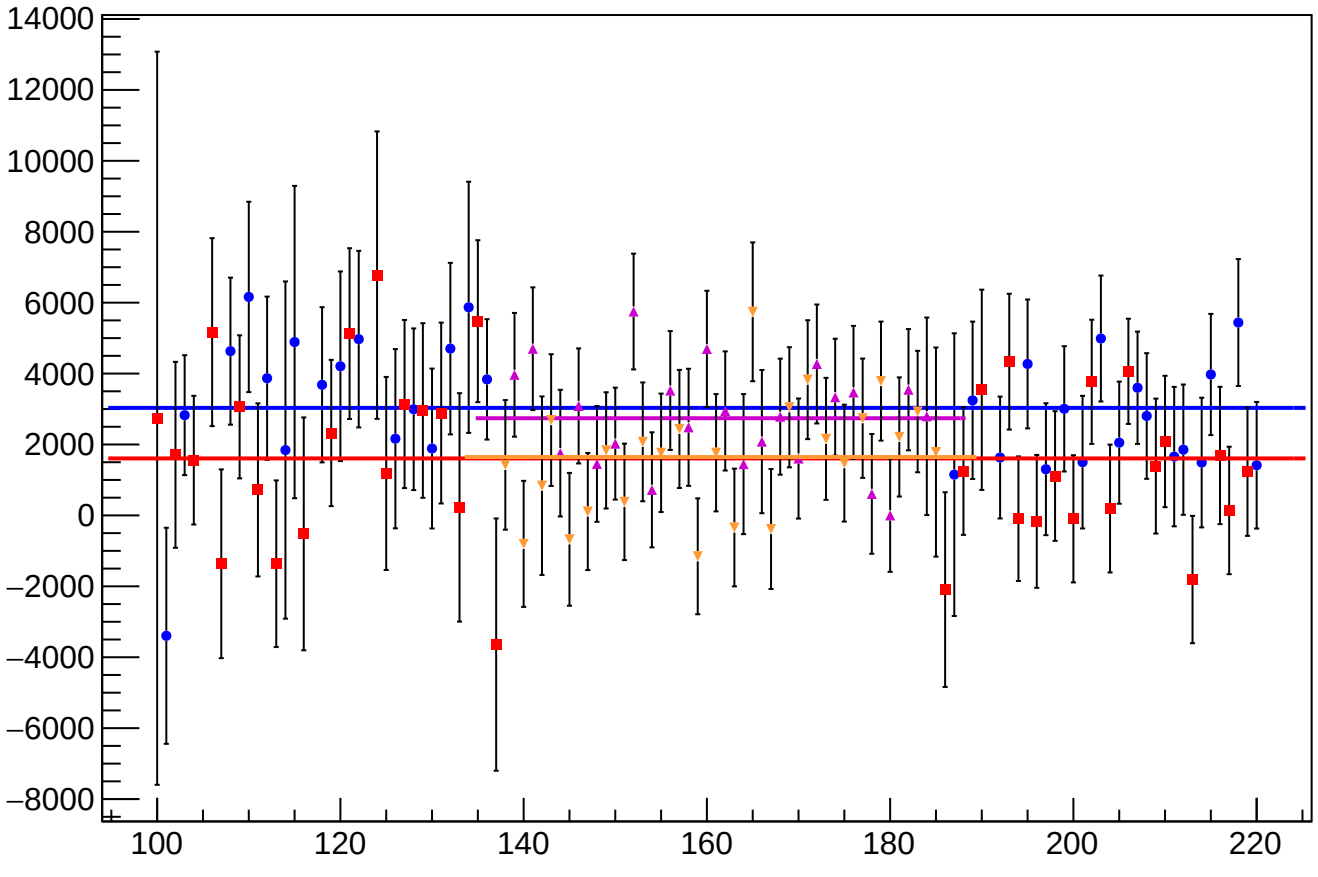
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 21186255.5/68

In: 0.000+/-0.000 χ^2/NDF:17284336.6/55

Out: 0.000+/-0.000 χ^2/NDF:18882798.6/60

All: 0.000+/-0.000 χ^2/NDF: 36185898.9/116



Right In: 3032.679+/-358.907 χ^2/NDF: 18.5/32

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1607.070+/-358.038 χ^2/NDF: 32.3/35

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

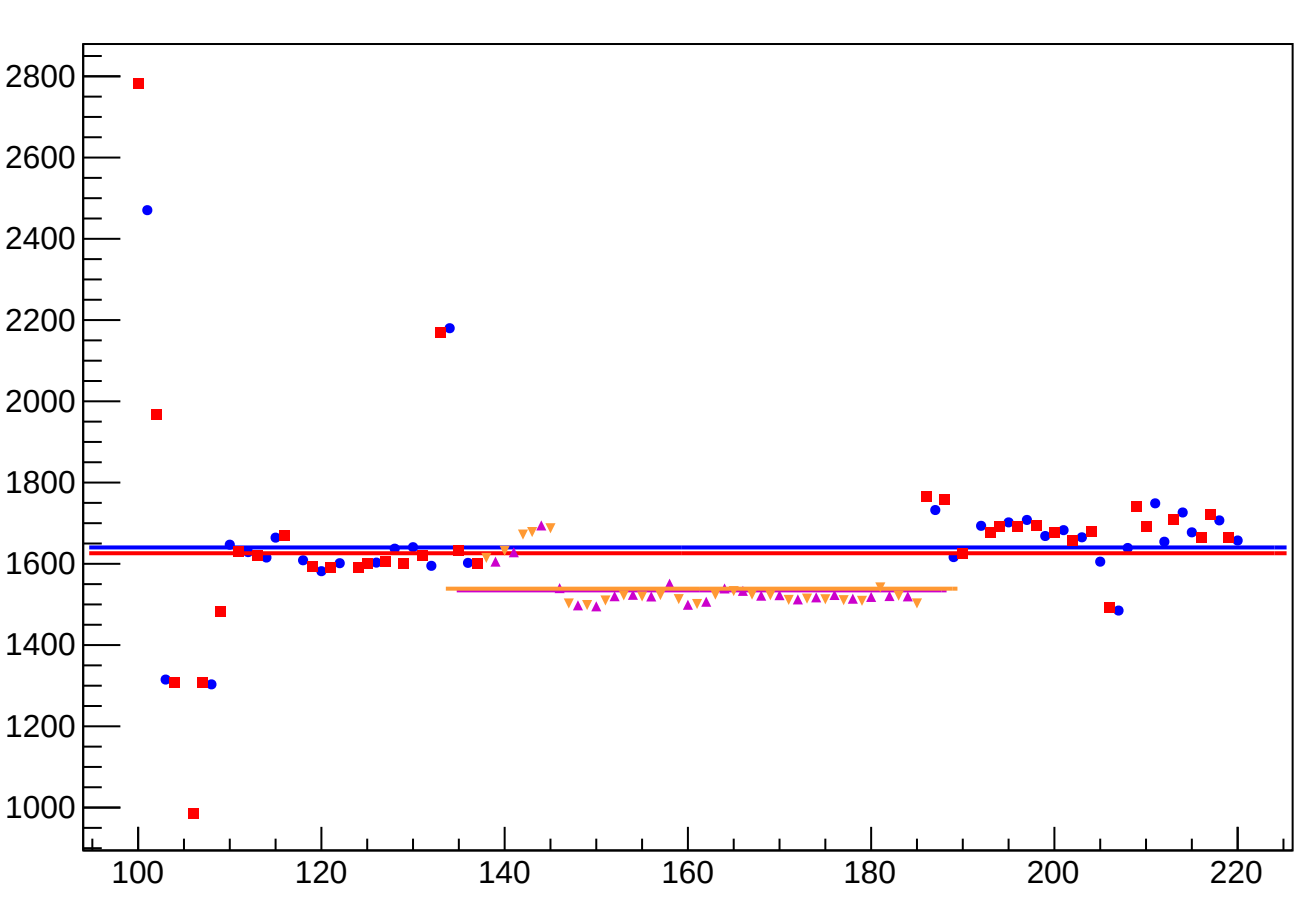
Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

Right: 2318.145+/-253.478 χ^2/NDF: 58.7/68

In: 2886.619+/-253.627 χ^2/NDF:35.3/55

Out: 1627.196+/-250.192 χ^2/NDF:53.3/60

All: 2248.322+/-178.115 χ^2/NDF: 101.1/116



Right In: 1640.295+/-0.254 χ^2/NDF: 370742.2/32

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1626.014+/-0.252 χ^2/NDF: 482617.4/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

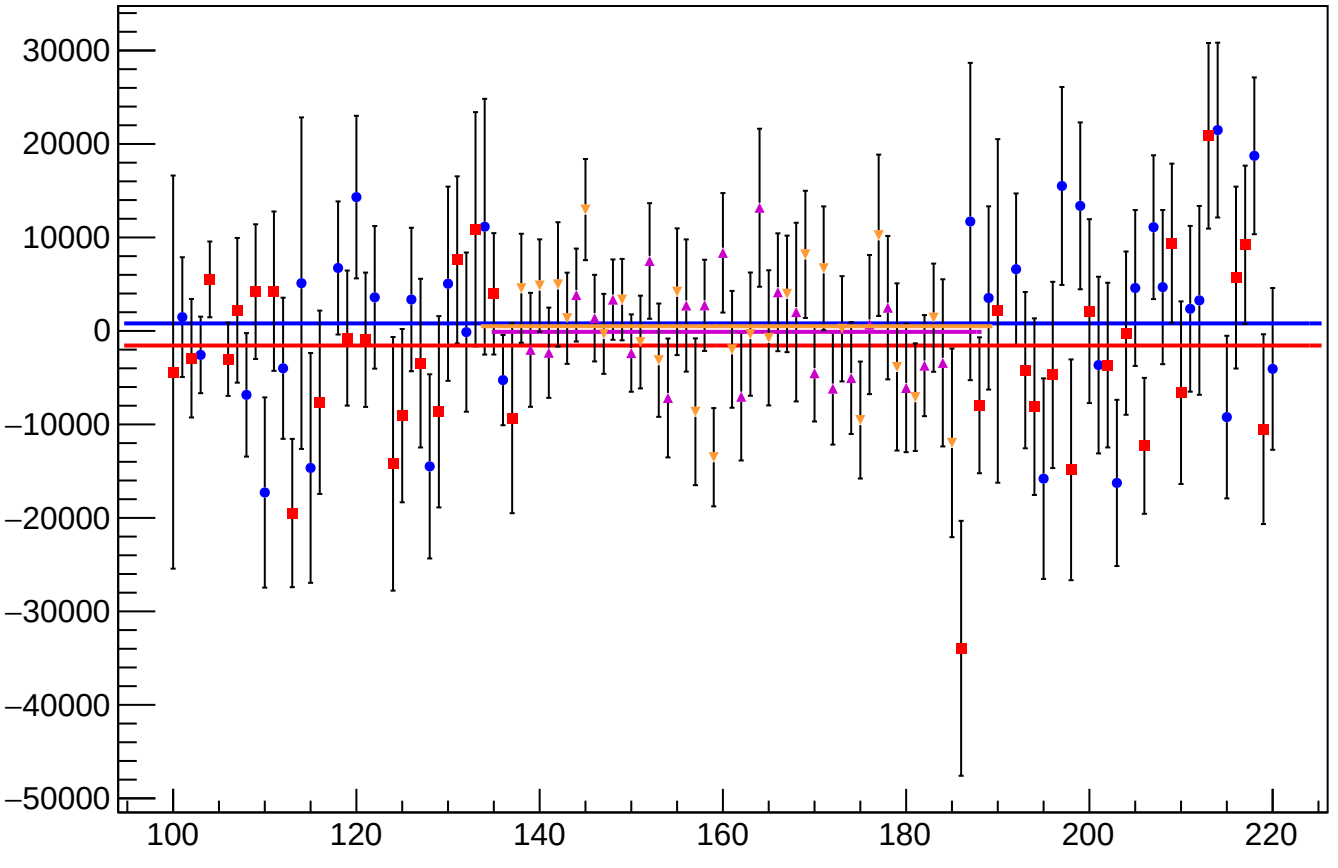
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1633.092+/-0.179 χ^2/NDF: 854956.8/68

In: 1587.389+/-0.179 χ^2/NDF:488672.2/55

Out: 1581.667+/-0.176 χ^2/NDF:590775.0/60

All: 1584.480+/-0.126 χ^2/NDF: 1079964.6/11



Right In: 805.916+/-1419.060 χ^2/NDF: 40.0/32

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -1561.006+/-1345.001 χ^2/NDF: 36.3/35

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

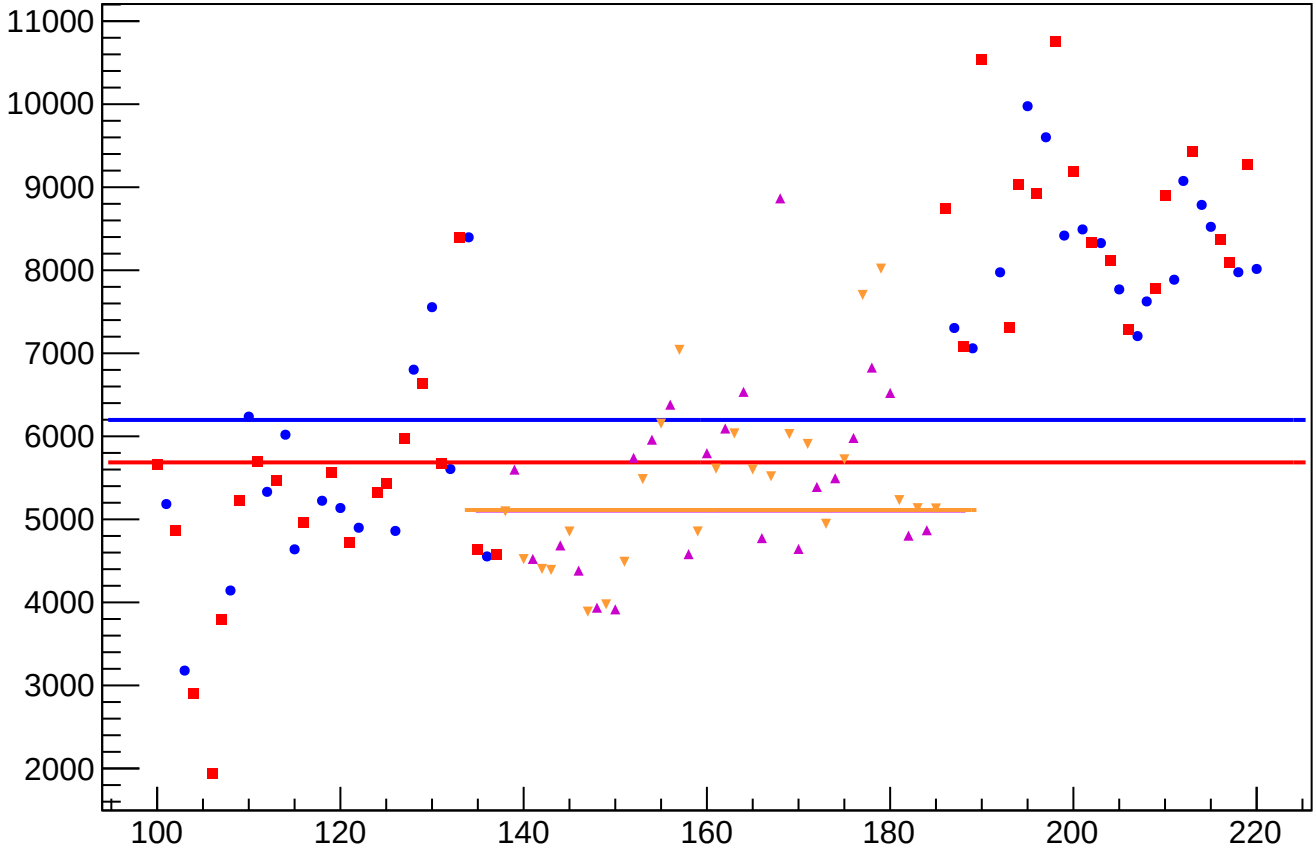
Right: -440.918+/-976.191 χ^2/NDF: 77.7/68

In: 285.339+/-924.058 χ^2/NDF:55.1/55

Out: -400.490+/-890.109 χ^2/NDF:64.4/60

All: -70.405+/-641.068 χ^2/NDF: 119.8/116

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 6197.311+/-1.003 χ^2/NDF: 3717419.3/32

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5686.033+/-0.951 χ^2/NDF: 6266422.2/35

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

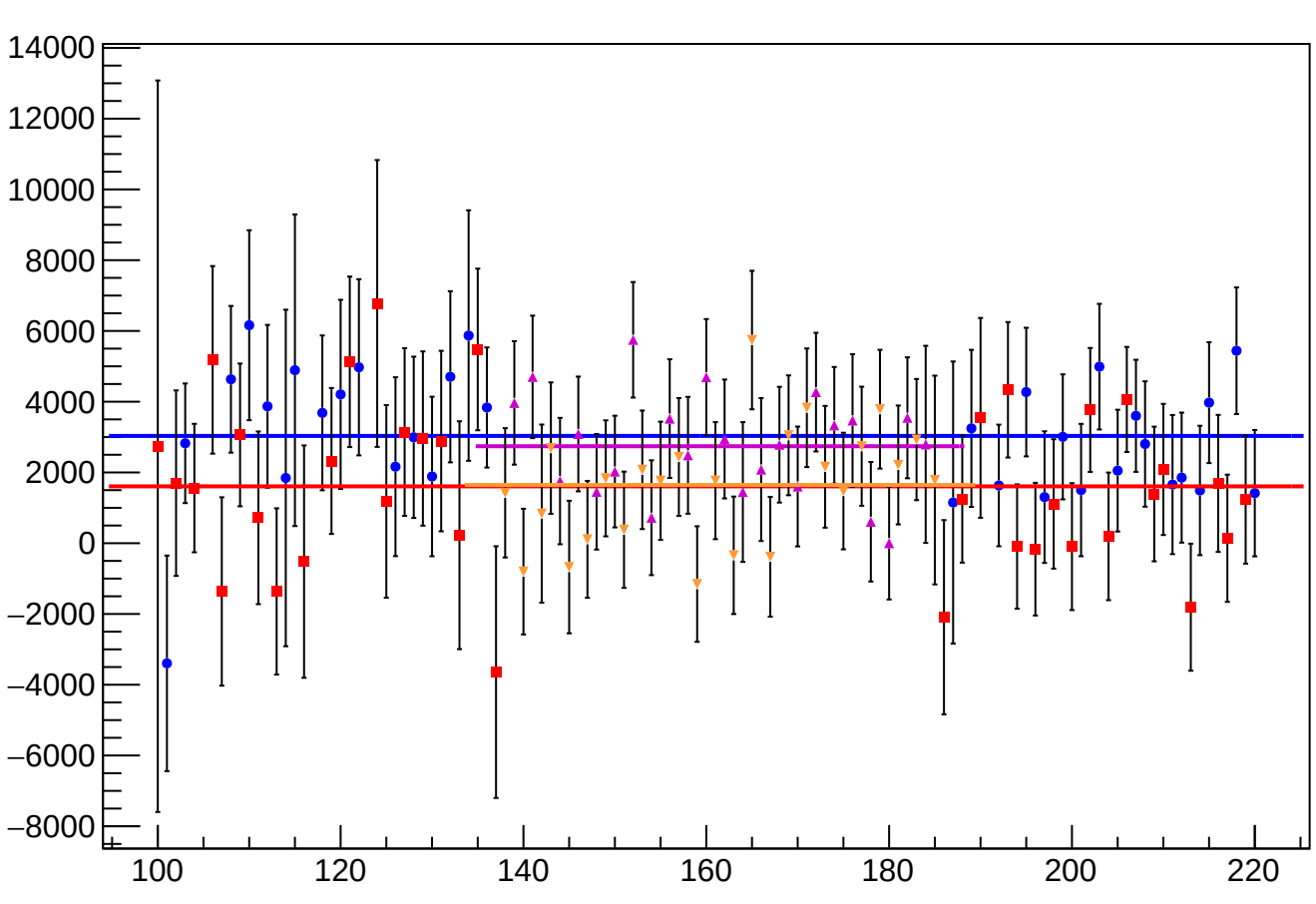
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5927.983+/-0.690 χ^2/NDF: 10120603.9/68

In: 5568.971+/-0.653 χ^2/NDF:5649839.2/55

Out: 5363.943+/-0.629 χ^2/NDF:7629501.6/60

All: 5462.622+/-0.453 χ^2/NDF: 13330412.1/1



Right In: 3032.562+/-358.907 χ^2/NDF: 18.5/32

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1607.117+/-358.038 χ^2/NDF: 32.3/35

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

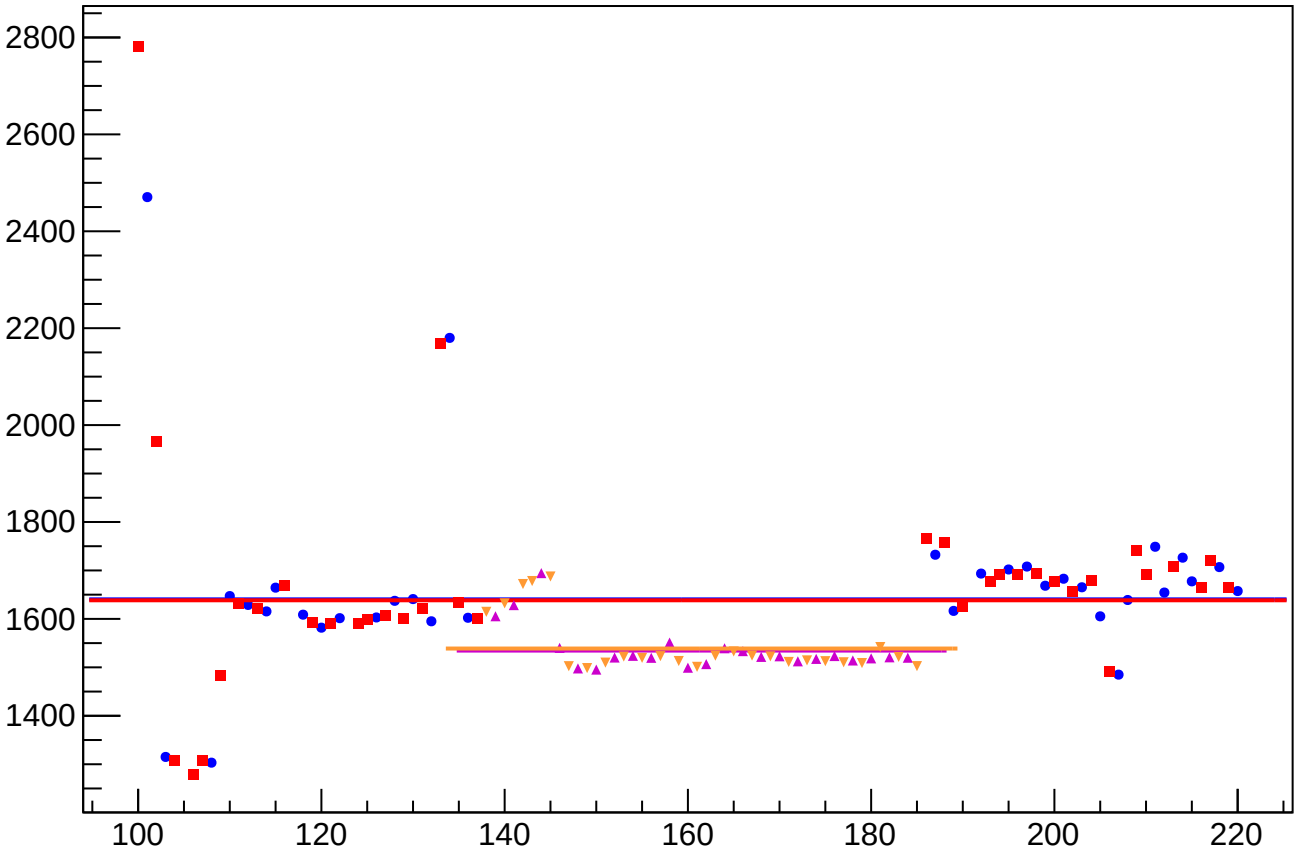
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2318.112+/-253.478 χ^2/NDF: 58.7/68

In: 2886.511+/-253.627 χ^2/NDF:35.3/55

Out: 1627.164+/-250.193 χ^2/NDF:53.3/60

All: 2248.254+/-178.115 χ^2/NDF: 101.1/116



Right In: 1640.295+/-0.254 χ^2/NDF: 370741.2/32

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

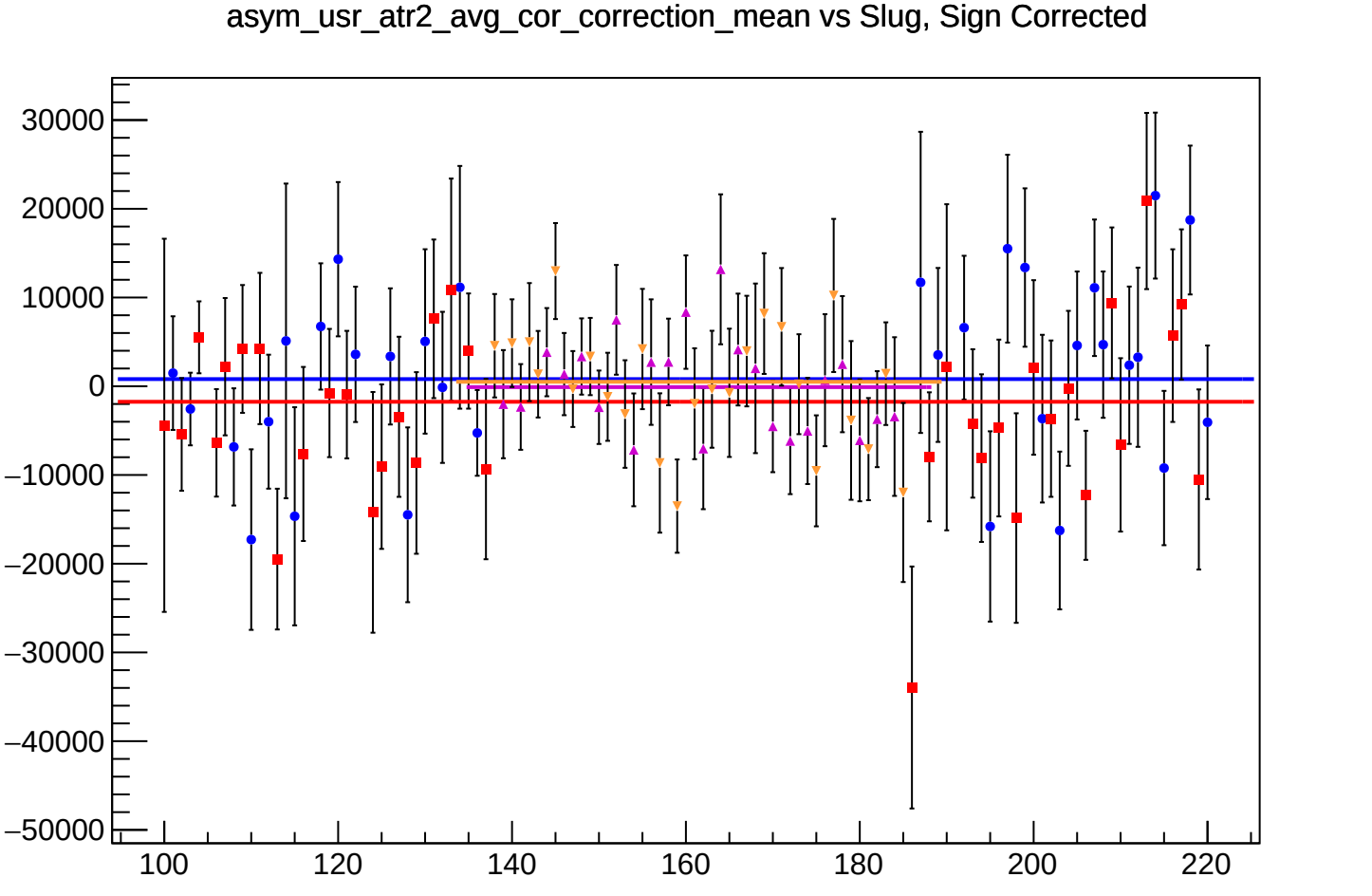
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1639.346+/-0.179 χ^2/NDF: 693349.2/68

In: 1587.389+/-0.179 χ^2/NDF:488671.3/55

Out: 1587.515+/-0.177 χ^2/NDF:448941.6/60

All: 1587.453+/-0.126 χ^2/NDF: 937613.2/116



Right In: 805.867+/-1419.077 χ^2/NDF: 40.0/32

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -1750.332+/-1393.773 χ^2/NDF: 37.1/35

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

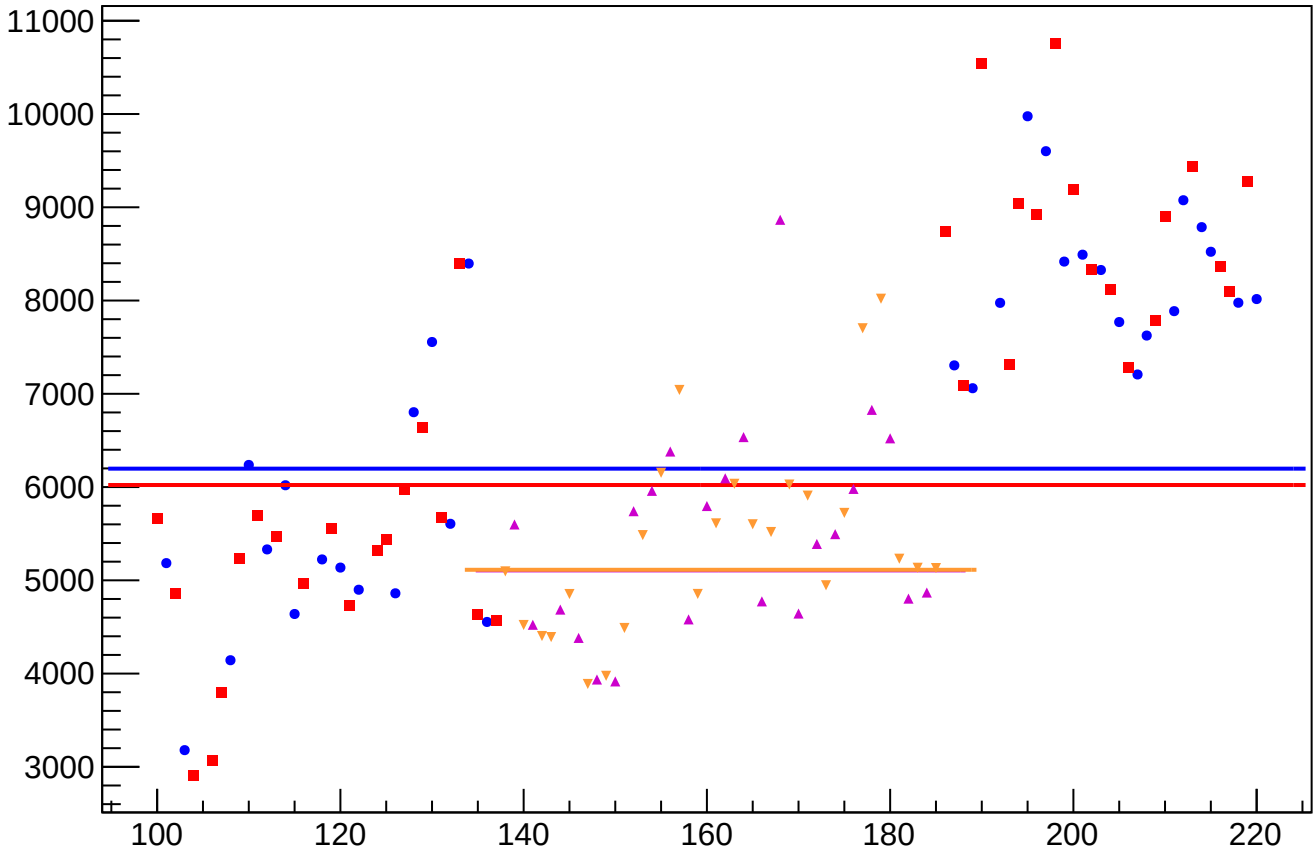
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

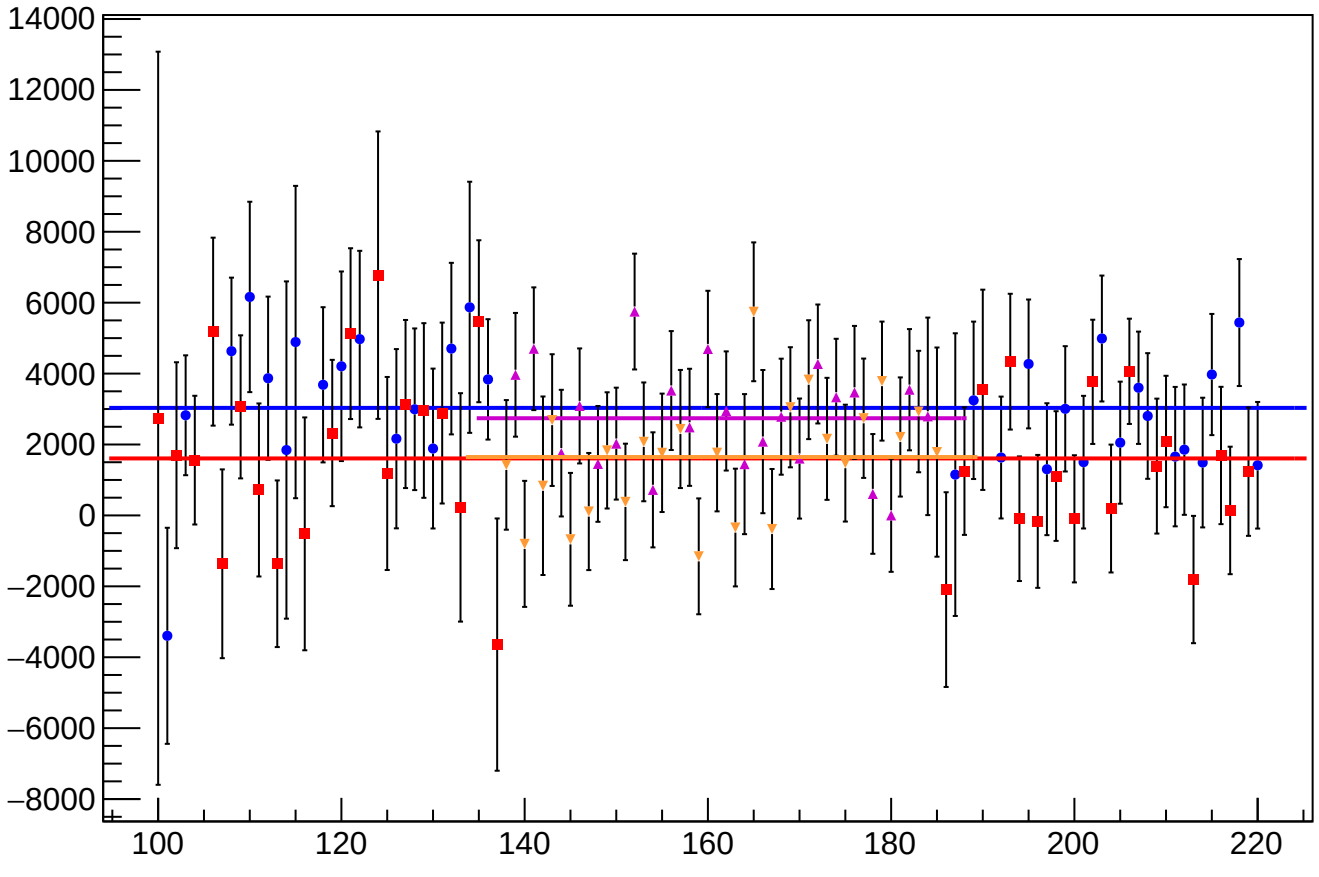
Right: -495.226+/-994.372 χ^2/NDF: 78.7/68

In: 285.302+/-924.062 χ^2/NDF:55.1/55

Out: -444.067+/-903.821 χ^2/NDF:65.4/60

All: -87.458+/-646.136 χ^2/NDF: 120.8/116


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
220
Right In: 6197.424+/-1.003 χ²/NDF: 3716955.5/32
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 6021.975+/-0.986 χ²/NDF: 4693392.2/35
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 6108.121+/-0.703 χ²/NDF: 8425908.6/68
In: 5569.011+/-0.653 χ²/NDF:5649510.6/55
Out: 5495.206+/-0.639 χ²/NDF:6345411.1/60
All: 5531.292+/-0.457 χ²/NDF: 12001442.3/1



Right In: 3032.562+/-358.907 χ^2/NDF: 18.5/32

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1607.117+/-358.038 χ^2/NDF: 32.3/35

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

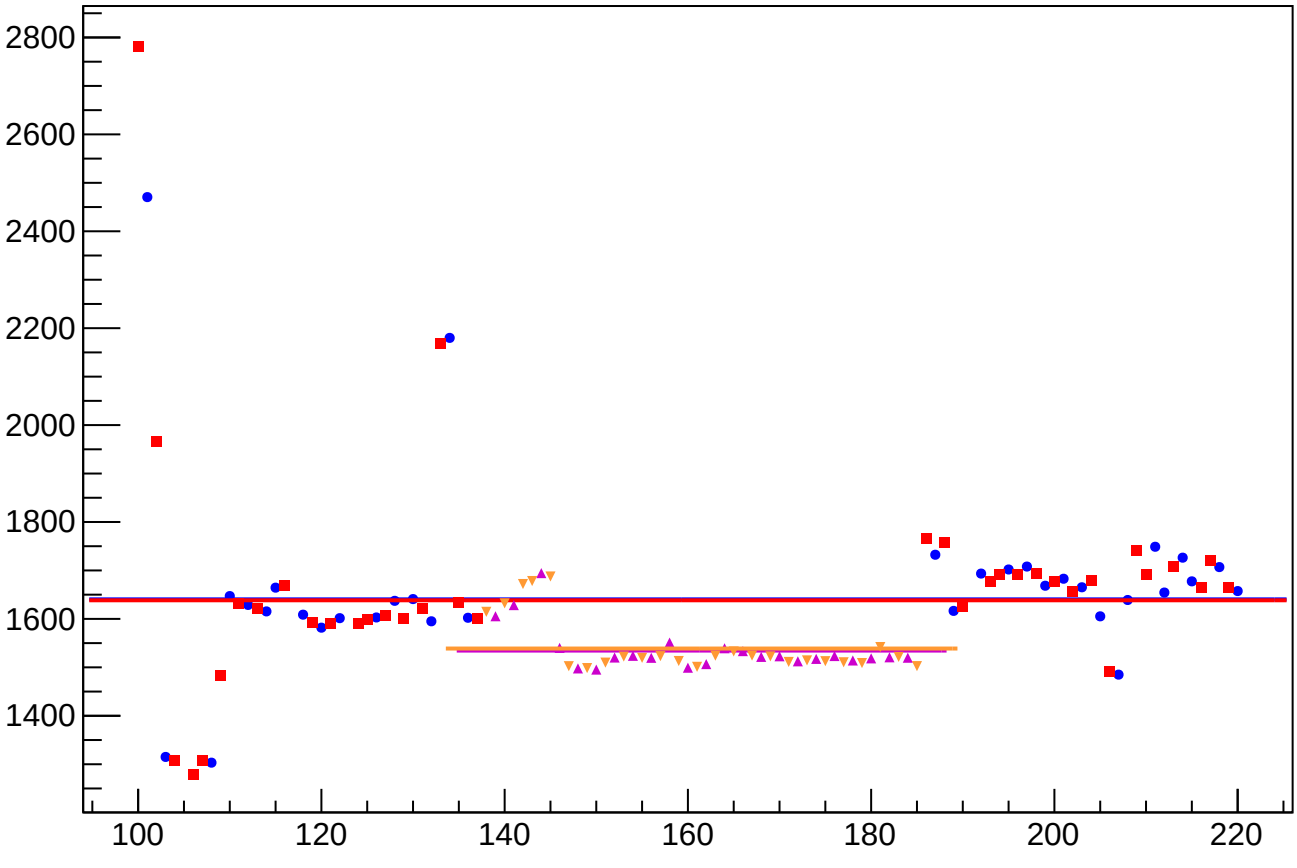
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2318.112+/-253.478 χ^2/NDF: 58.7/68

In: 2886.511+/-253.627 χ^2/NDF:35.3/55

Out: 1627.164+/-250.193 χ^2/NDF:53.3/60

All: 2248.254+/-178.115 χ^2/NDF: 101.1/116



Right In: 1640.295+/-0.254 χ^2/NDF: 370741.2/32

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

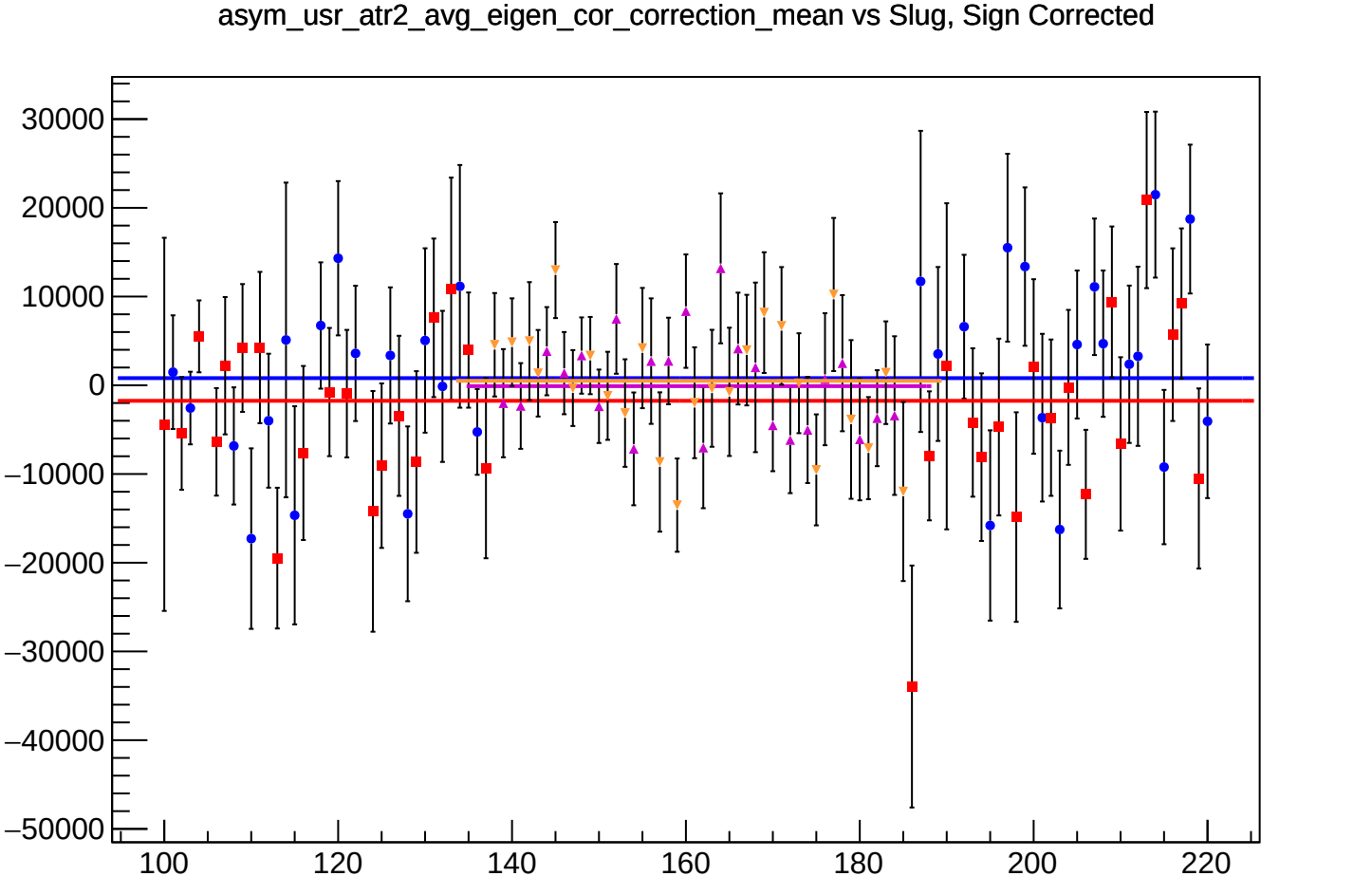
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1639.346+/-0.179 χ^2/NDF: 693349.2/68

In: 1587.389+/-0.179 χ^2/NDF:488671.3/55

Out: 1587.515+/-0.177 χ^2/NDF:448941.6/60

All: 1587.453+/-0.126 χ^2/NDF: 937613.2/116



Right In: 805.867+/-1419.077 χ^2/NDF: 40.0/32

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -1750.332+/-1393.773 χ^2/NDF: 37.1/35

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

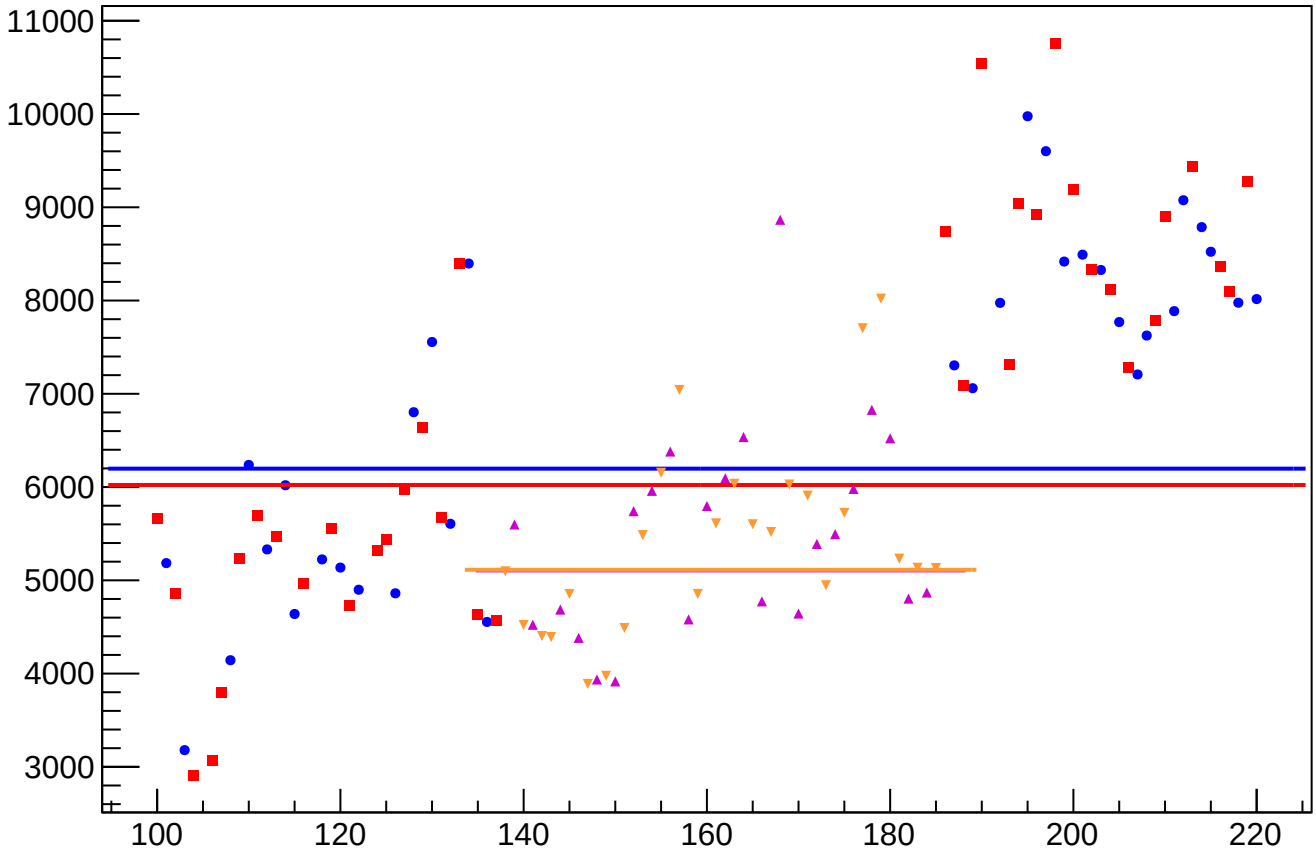
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -495.226+/-994.372 χ^2/NDF: 78.7/68

In: 285.302+/-924.062 χ^2/NDF:55.1/55

Out: -444.067+/-903.821 χ^2/NDF:65.4/60

All: -87.458+/-646.136 χ^2/NDF: 120.8/116



Right In: 6197.424+/-1.003 χ^2/NDF: 3716955.5/32

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 6021.975+/-0.986 χ^2/NDF: 4693392.2/35

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

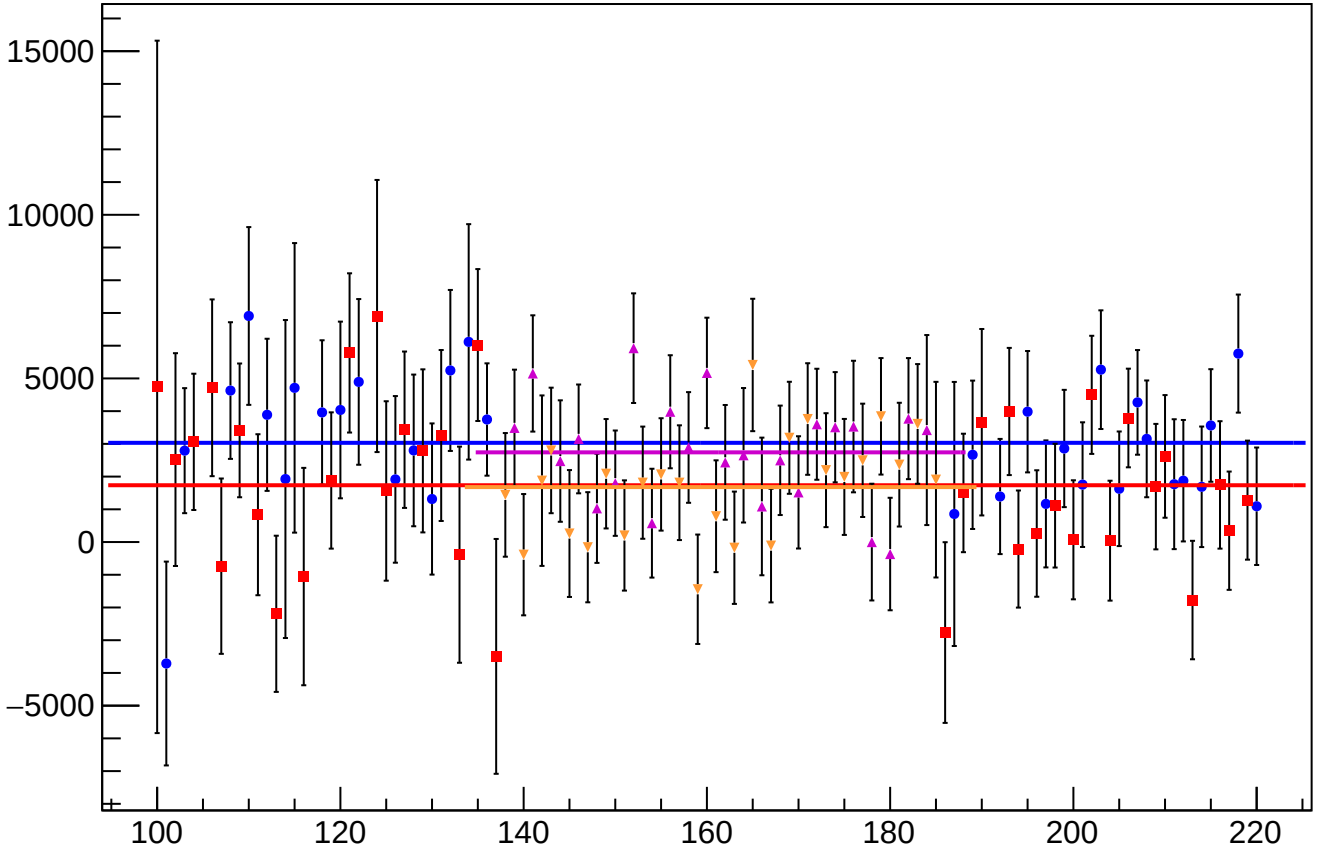
Right: 6108.121+/-0.703 χ^2/NDF: 8425908.6/68

In: 5569.011+/-0.653 χ^2/NDF:5649510.6/55

Out: 5495.206+/-0.639 χ^2/NDF:6345411.1/60

All: 5531.292+/-0.457 χ^2/NDF: 12001442.3/1

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3032.085+/-365.599 χ^2/NDF: 21.5/32

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1735.760+/-365.751 χ^2/NDF: 35.0/35

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

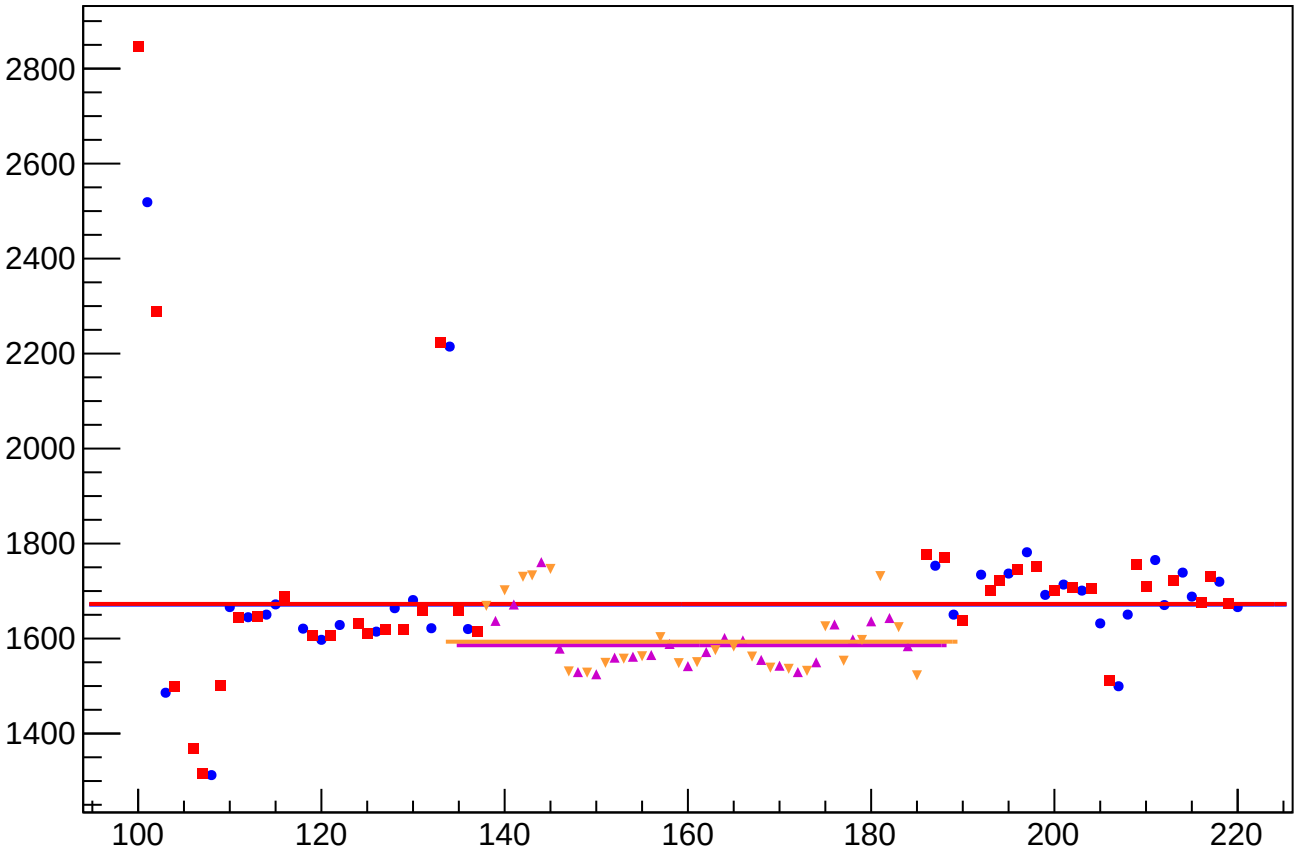
Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

Right: 2384.191+/-258.571 χ^2/NDF: 62.7/68

In: 2888.357+/-260.269 χ^2/NDF:41.0/55

Out: 1707.200+/-257.429 χ^2/NDF:54.0/60

All: 2291.298+/-183.026 χ^2/NDF: 105.3/116



Right In: 1671.512+/-0.259 χ^2/NDF: 326178.6/32

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

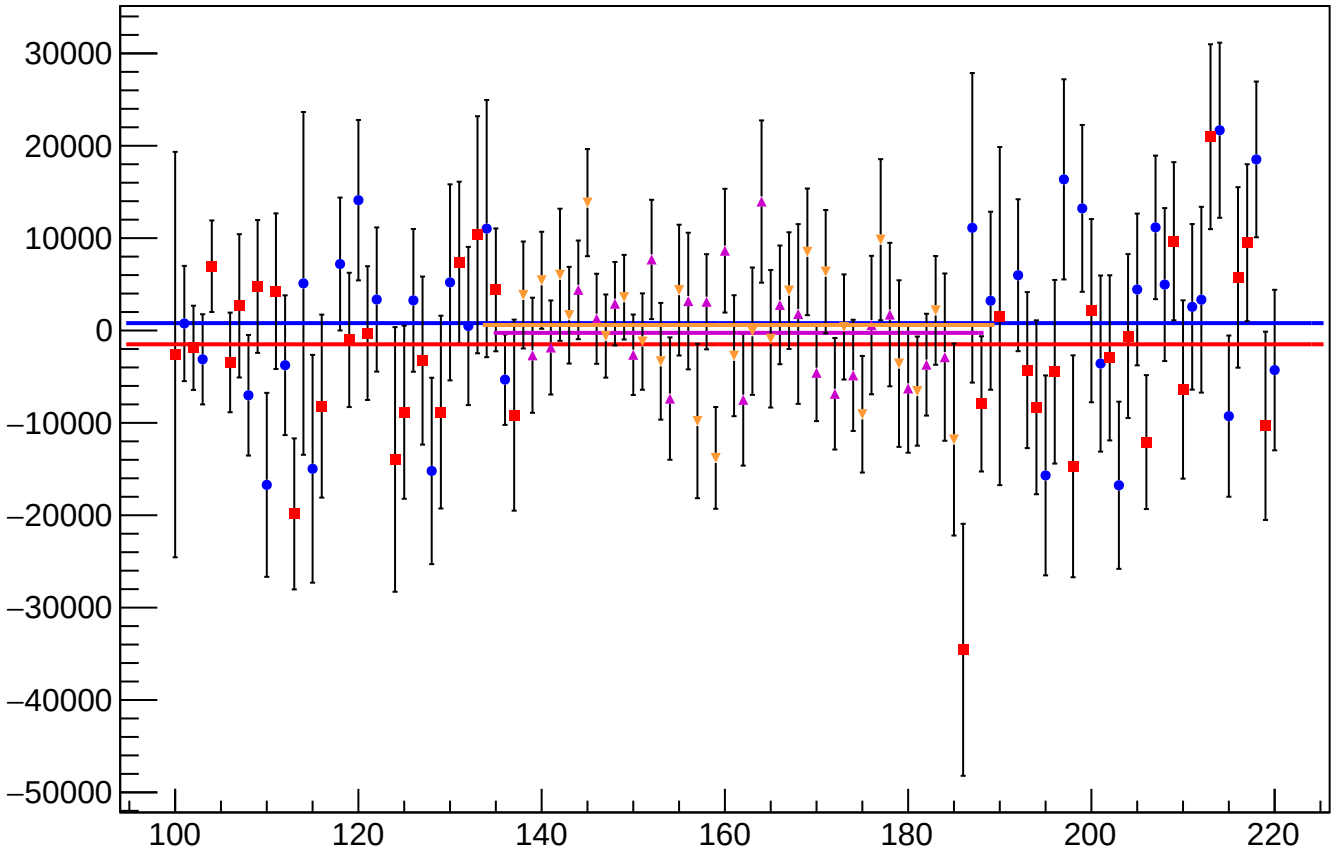
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1672.206+/-0.183 χ^2/NDF: 625182.6/68

In: 1629.297+/-0.184 χ^2/NDF:422160.6/55

Out: 1632.789+/-0.182 χ^2/NDF:418577.1/60

All: 1631.063+/-0.129 χ^2/NDF: 840919.7/116



Right In: 799.539+/-1451.643 χ^2/NDF: 39.7/32

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1491.182+/-1387.893 χ^2/NDF: 36.1/35

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

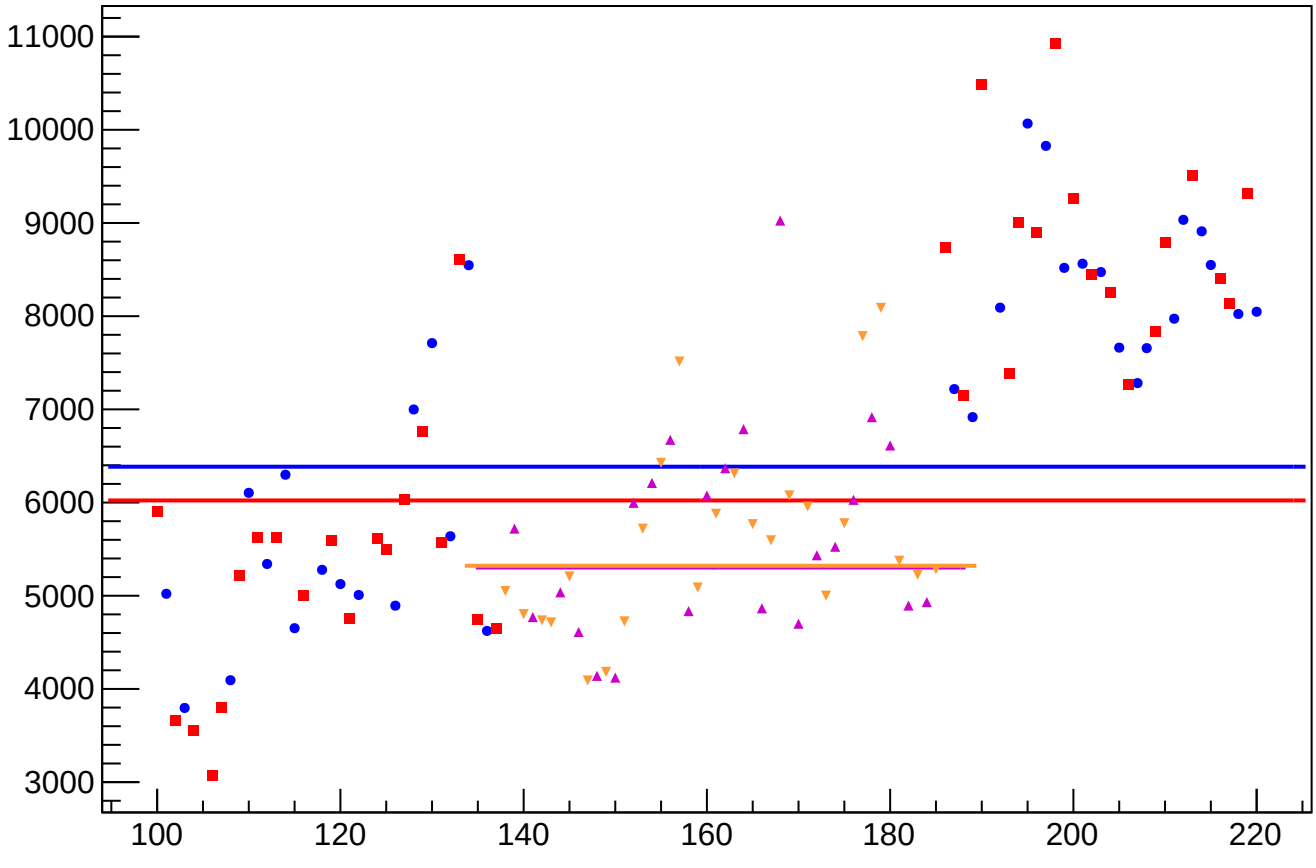
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -397.224+/-1003.169 χ^2/NDF: 77.1/68

In: 198.665+/-952.670 χ^2/NDF:54.7/55

Out: -321.884+/-922.014 χ^2/NDF:63.4/60

All: -70.120+/-662.535 χ^2/NDF: 118.2/116



Right In: 6384.669+/-1.026 χ^2/NDF: 3161019.0/32

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 6022.568+/-0.981 χ^2/NDF: 4622871.7/35

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

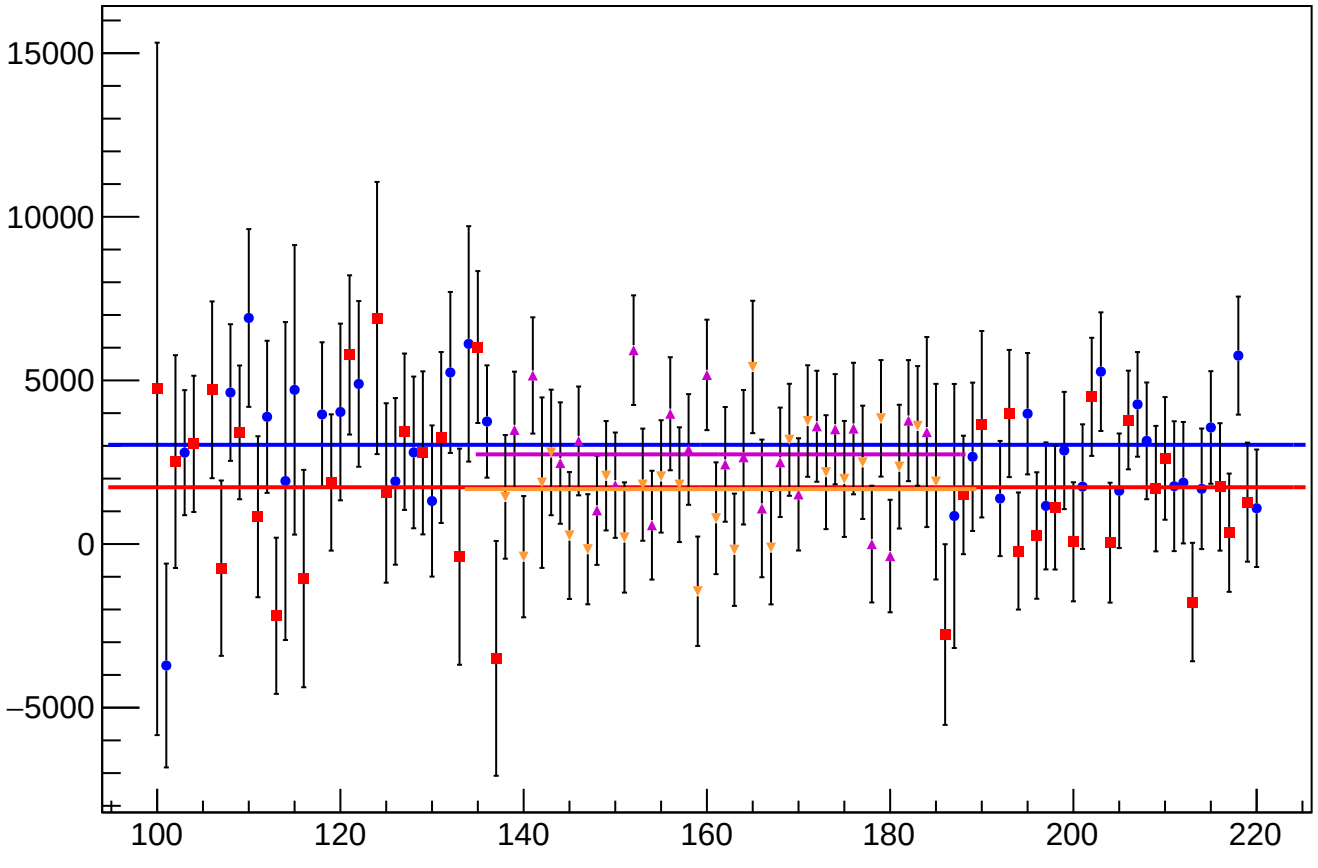
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 6195.493+/-0.709 χ^2/NDF: 7848904.5/68

In: 5768.779+/-0.674 χ^2/NDF:4945761.5/55

Out: 5631.157+/-0.652 χ^2/NDF:5944608.1/60

All: 5697.718+/-0.468 χ^2/NDF: 10911920.4/1



Right In: 3032.079+/-365.599 χ^2/NDF: 21.5/32

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1735.764+/-365.751 χ^2/NDF: 35.0/35

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

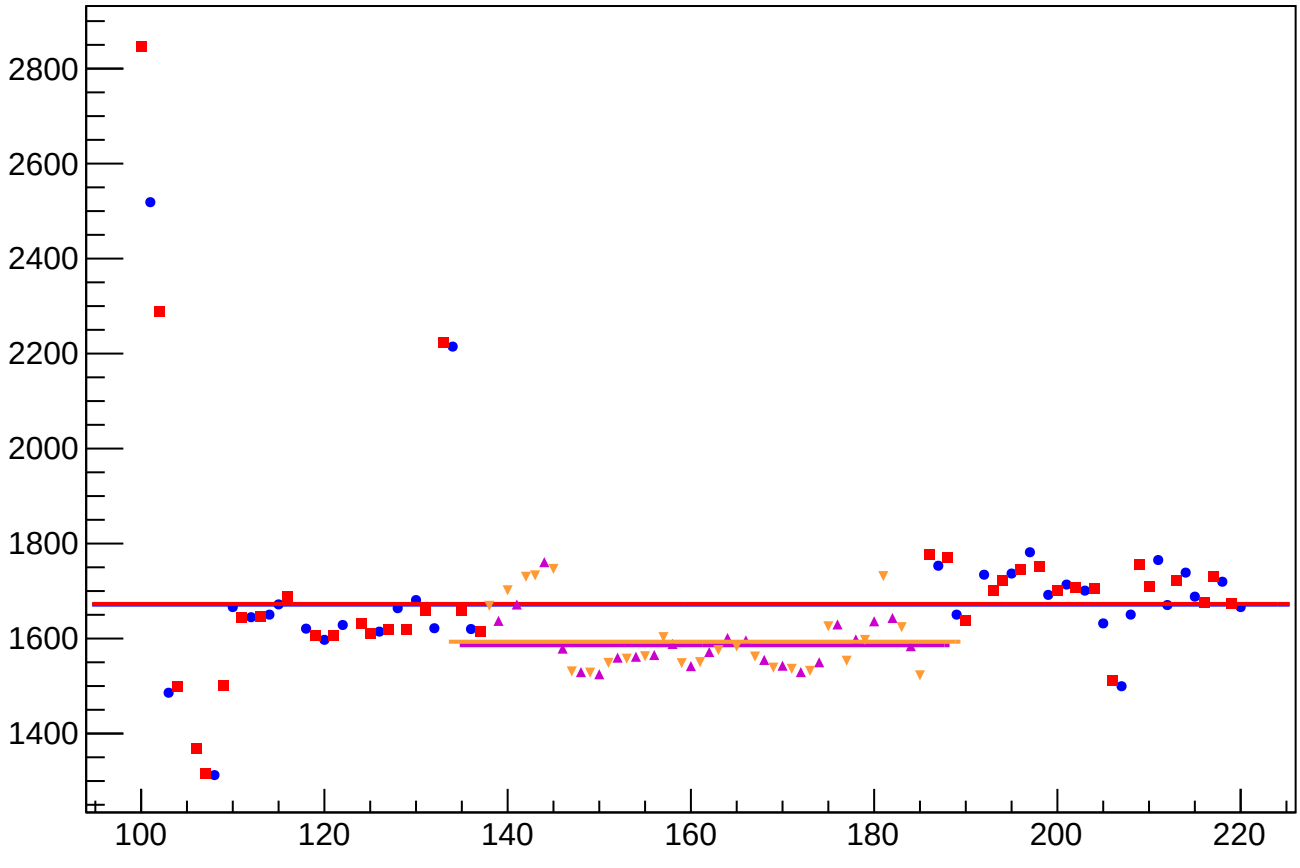
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2384.190+/-258.571 χ^2/NDF: 62.7/68

In: 2888.354+/-260.269 χ^2/NDF:41.0/55

Out: 1707.199+/-257.429 χ^2/NDF:54.0/60

All: 2291.296+/-183.026 χ^2/NDF: 105.3/116



Right In: 1671.512+/-0.259 χ^2/NDF: 326178.9/32

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

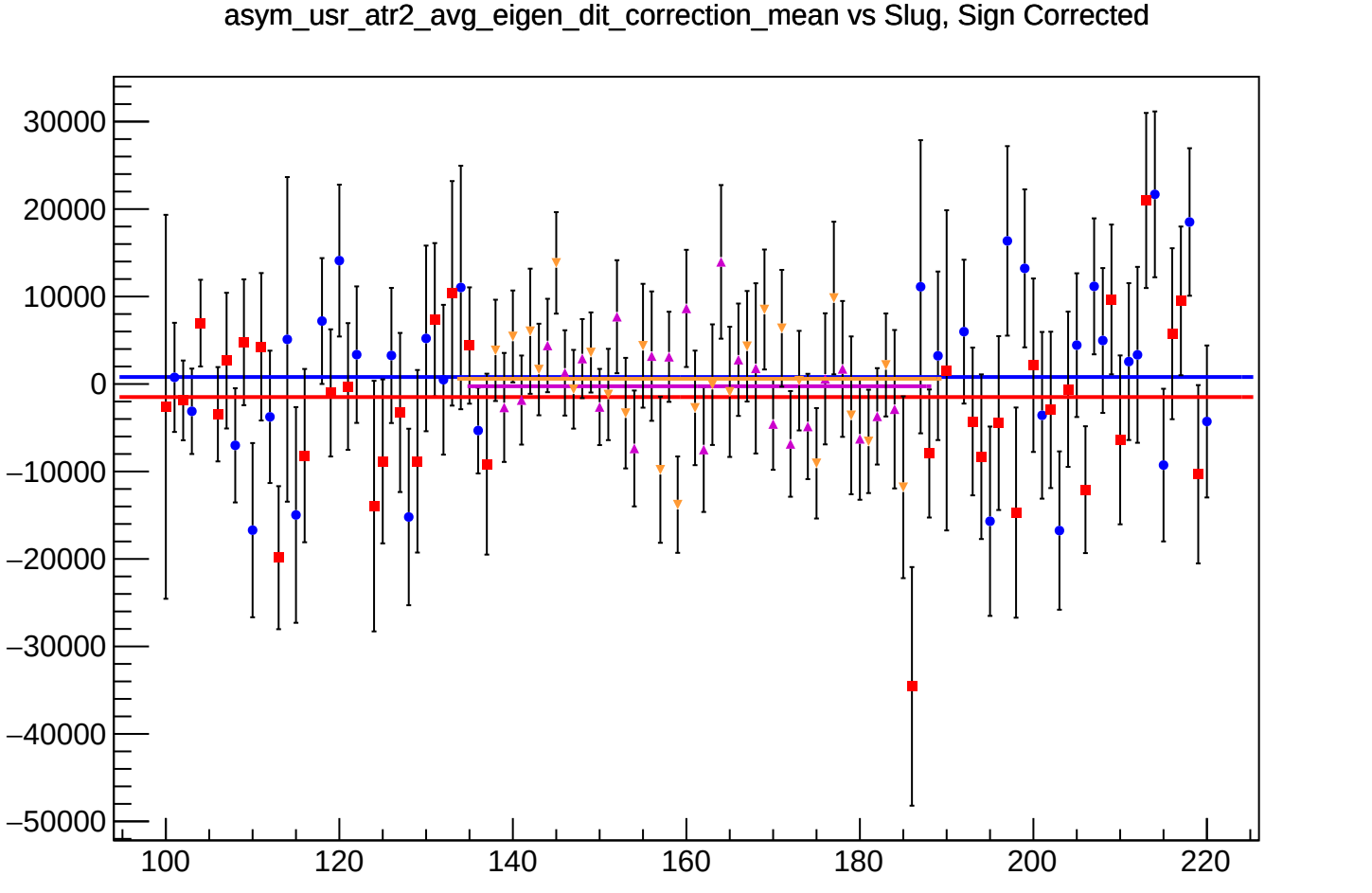
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1672.205+/-0.183 χ^2/NDF: 625183.0/68

In: 1629.297+/-0.184 χ^2/NDF:422159.1/55

Out: 1632.790+/-0.182 χ^2/NDF:418575.9/60

All: 1631.063+/-0.129 χ^2/NDF: 840917.0/116



Right In: 799.542+/-1451.642 χ^2/NDF: 39.7/32

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -1491.179+/-1387.892 χ^2/NDF: 36.1/35

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

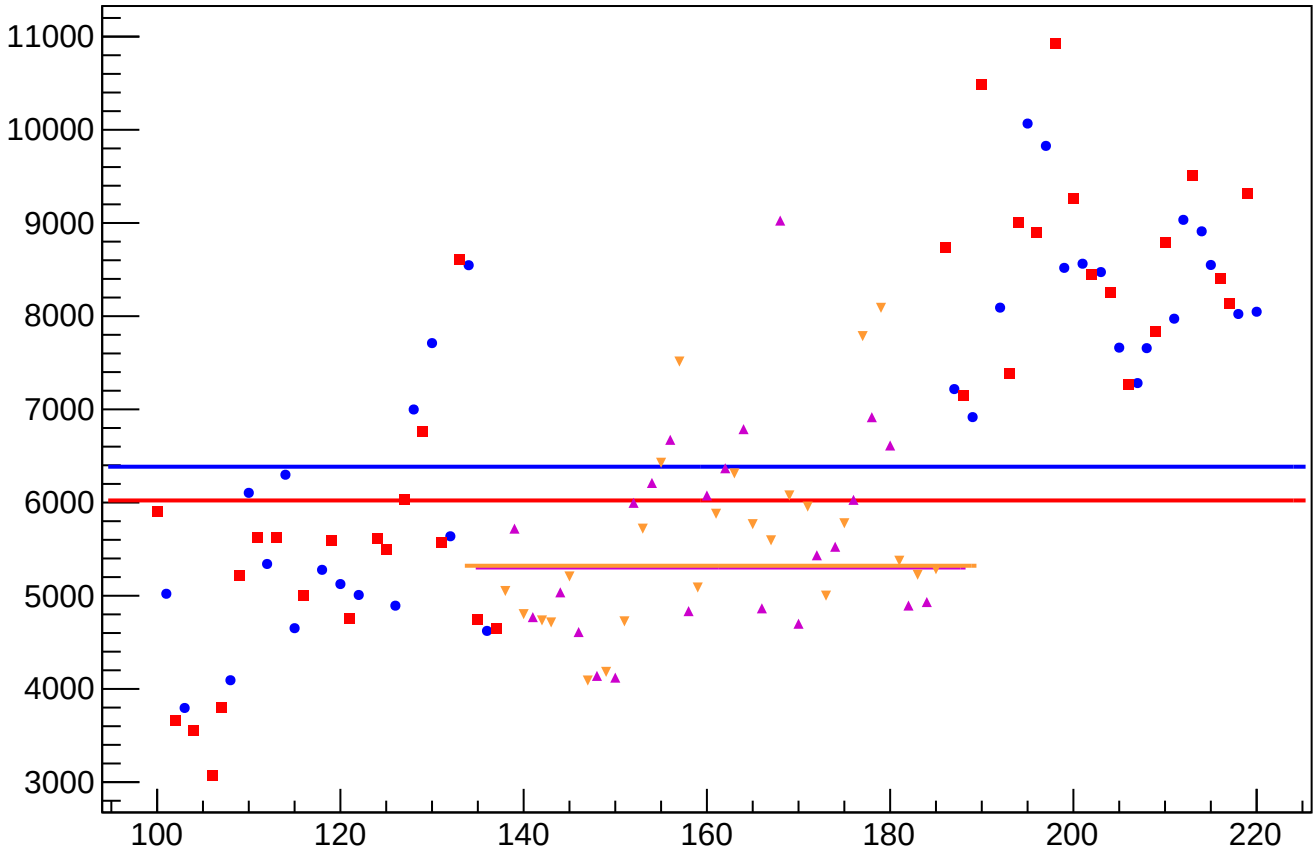
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -397.221+/-1003.168 χ^2/NDF: 77.1/68

In: 198.666+/-952.671 χ^2/NDF:54.7/55

Out: -321.887+/-922.015 χ^2/NDF:63.4/60

All: -70.121+/-662.536 χ^2/NDF: 118.2/116



Right In: 6384.665+/-1.026 χ^2/NDF: 3161036.8/32

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 6022.563+/-0.981 χ^2/NDF: 4622892.9/35

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

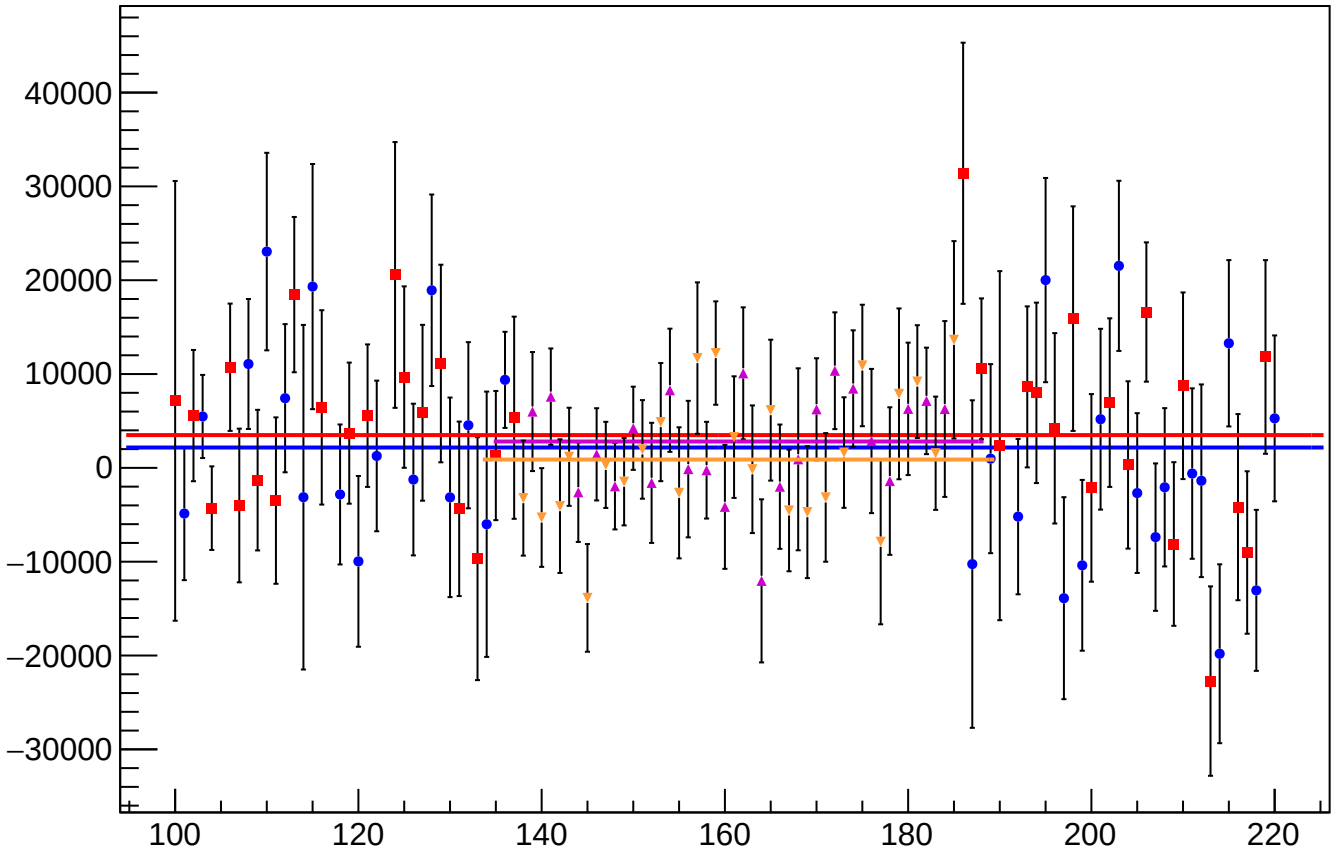
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 6195.489+/-0.709 χ^2/NDF: 7848944.1/68

In: 5768.783+/-0.674 χ^2/NDF:4945767.8/55

Out: 5631.161+/-0.652 χ^2/NDF:5944619.4/60

All: 5697.722+/-0.468 χ^2/NDF: 10911938.2/1



Right In: 2169.545+/-1480.440 χ^2/NDF: 42.3/32

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 3494.147+/-1461.684 χ^2/NDF: 36.4/35

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

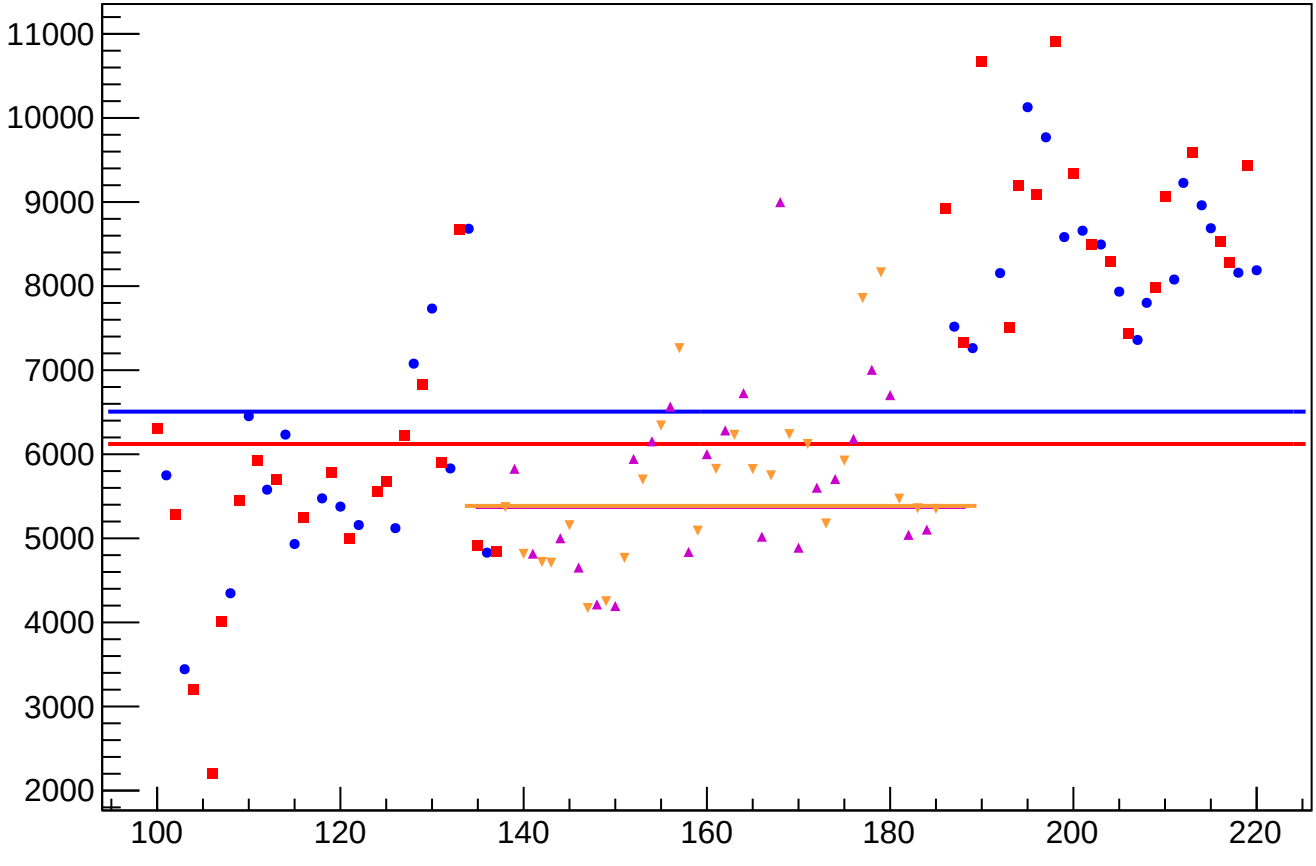
Right: 2840.290+/-1040.134 χ^2/NDF: 79.1/68

In: 2537.116+/-967.065 χ^2/NDF:57.2/55

Out: 1983.839+/-948.453 χ^2/NDF:63.9/60

All: 2255.102+/-677.142 χ^2/NDF: 121.2/116

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6507.066+/-1.047 χ^2/NDF: 3250591.2/32

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 6122.424+/-1.009 χ^2/NDF: 5142097.8/35

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

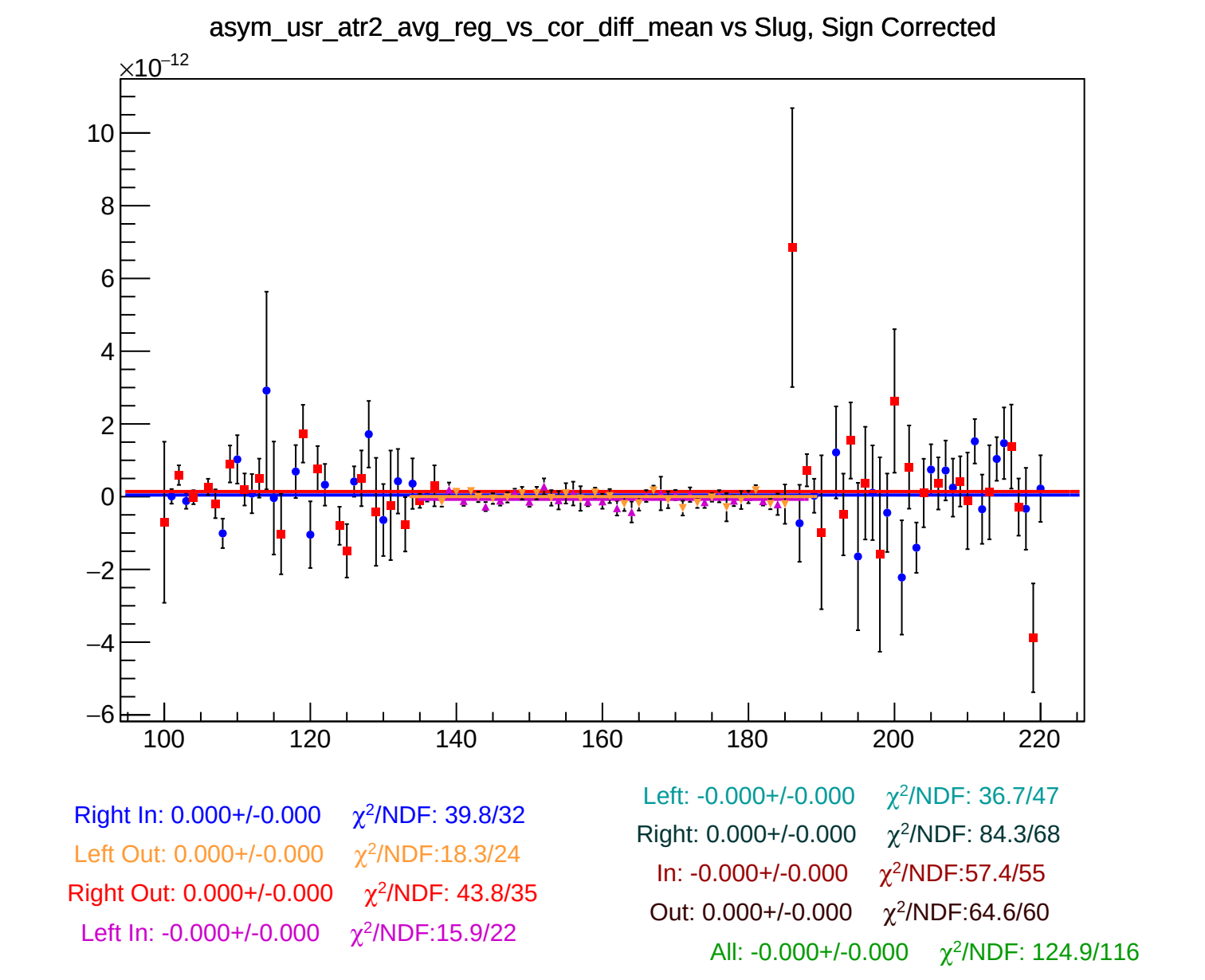
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

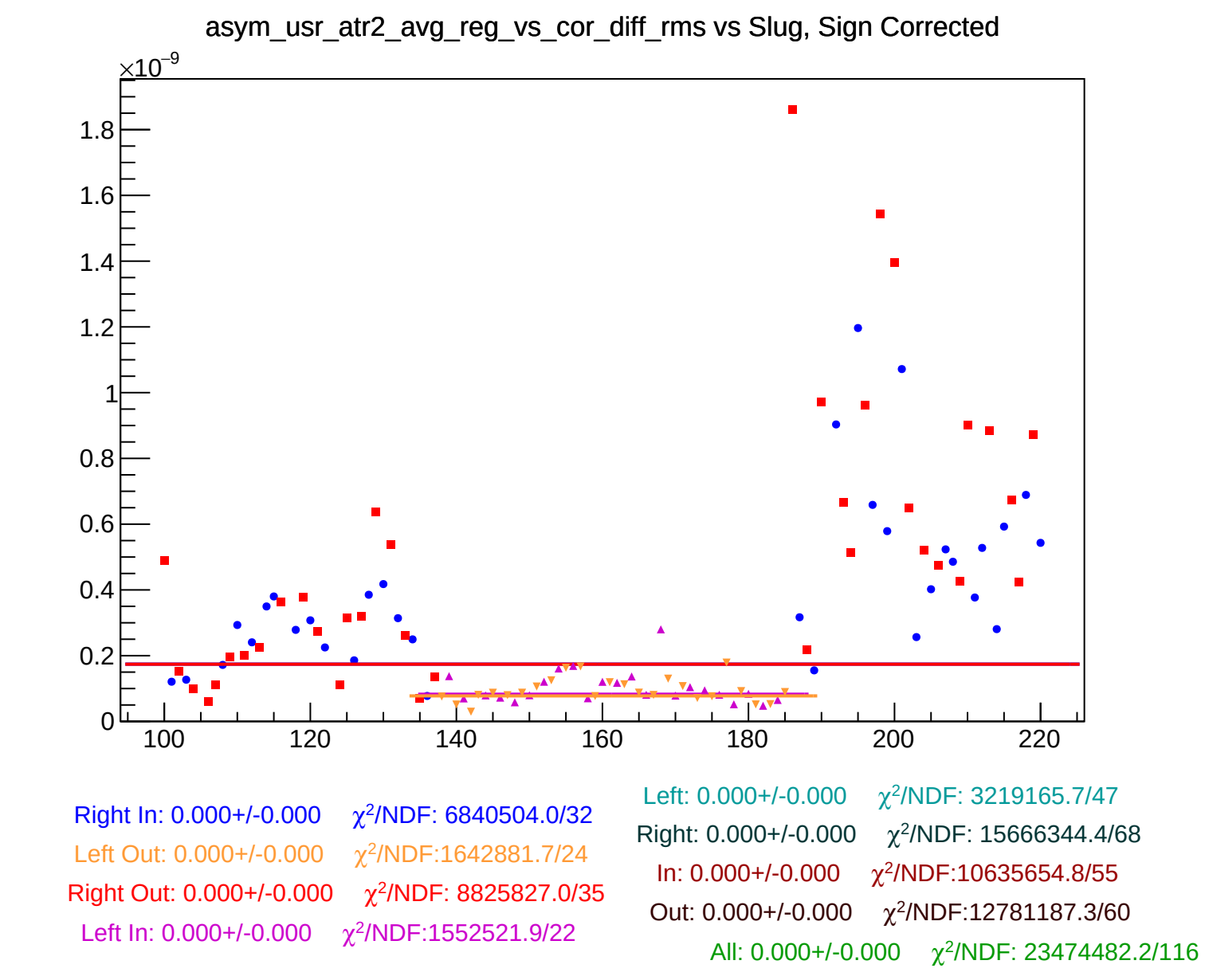
Right: 6307.698+/-0.727 χ^2/NDF: 8462666.8/68

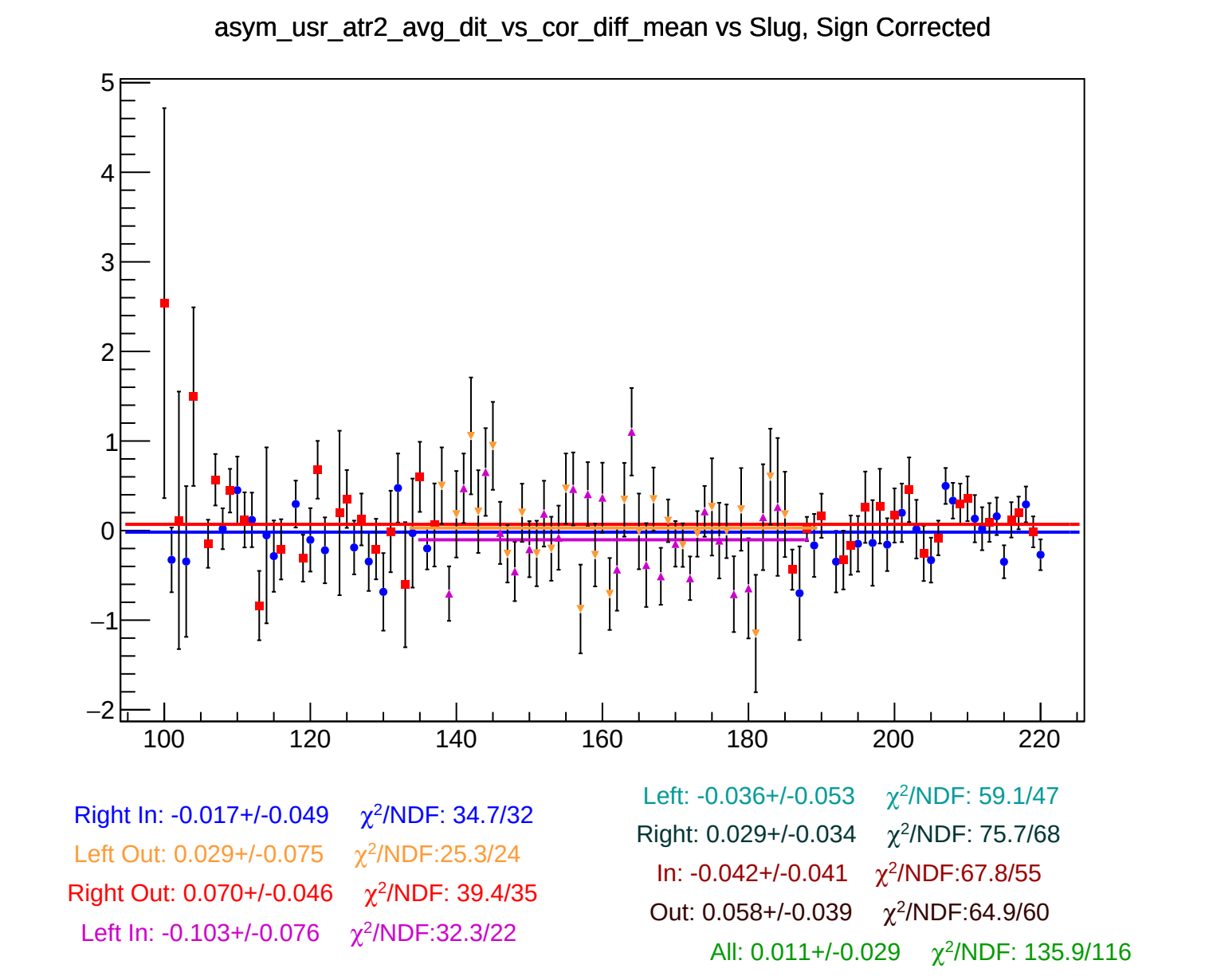
In: 5856.838+/-0.684 χ^2/NDF:4995395.3/55

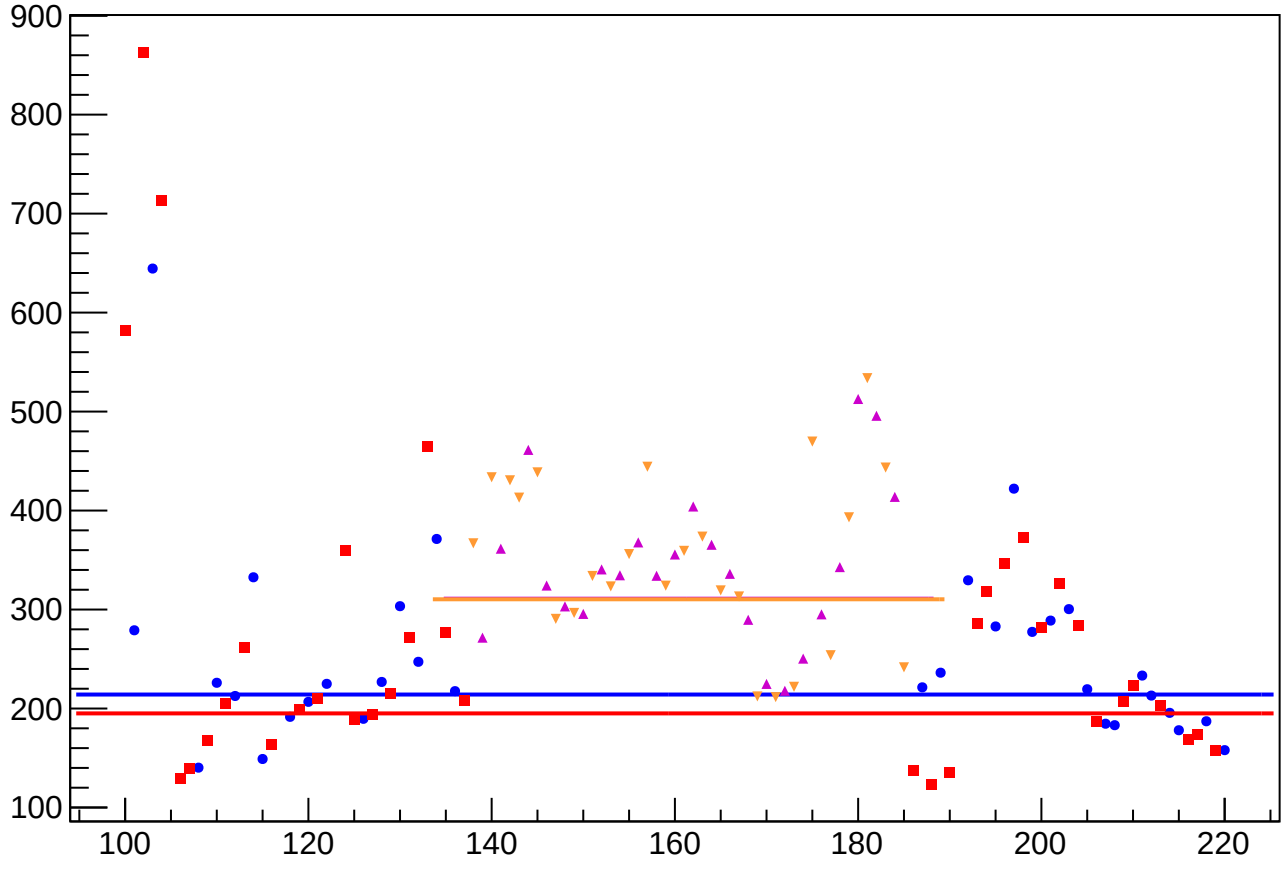
Out: 5704.482+/-0.664 χ^2/NDF:6431554.8/60

All: 5778.403+/-0.476 χ^2/NDF: 11452505.7/


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 39.8/32
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.8/35
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: 84.3/68
In: -0.000+/-0.000 χ²/NDF:57.4/55
Out: 0.000+/-0.000 χ²/NDF:64.6/60
All: -0.000+/-0.000 χ²/NDF: 124.9/116


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6840504.0/32
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8825827.0/35
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
Left: 0.000+/-0.000 χ²/NDF: 3219165.7/47
Right: 0.000+/-0.000 χ²/NDF: 15666344.4/68
In: 0.000+/-0.000 χ²/NDF:10635654.8/55
Out: 0.000+/-0.000 χ²/NDF:12781187.3/60
All: 0.000+/-0.000 χ²/NDF: 23474482.2/116


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
200
220
Right In: -0.017+/-0.049 χ²/NDF: 34.7/32
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.070+/-0.046 χ²/NDF: 39.4/35
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: 0.029+/-0.034 χ²/NDF: 75.7/68
In: -0.042+/-0.041 χ²/NDF:67.8/55
Out: 0.058+/-0.039 χ²/NDF:64.9/60
All: 0.011+/-0.029 χ²/NDF: 135.9/116



Right In: 214.134+/-0.035 χ^2/NDF: 2641639.4/32

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

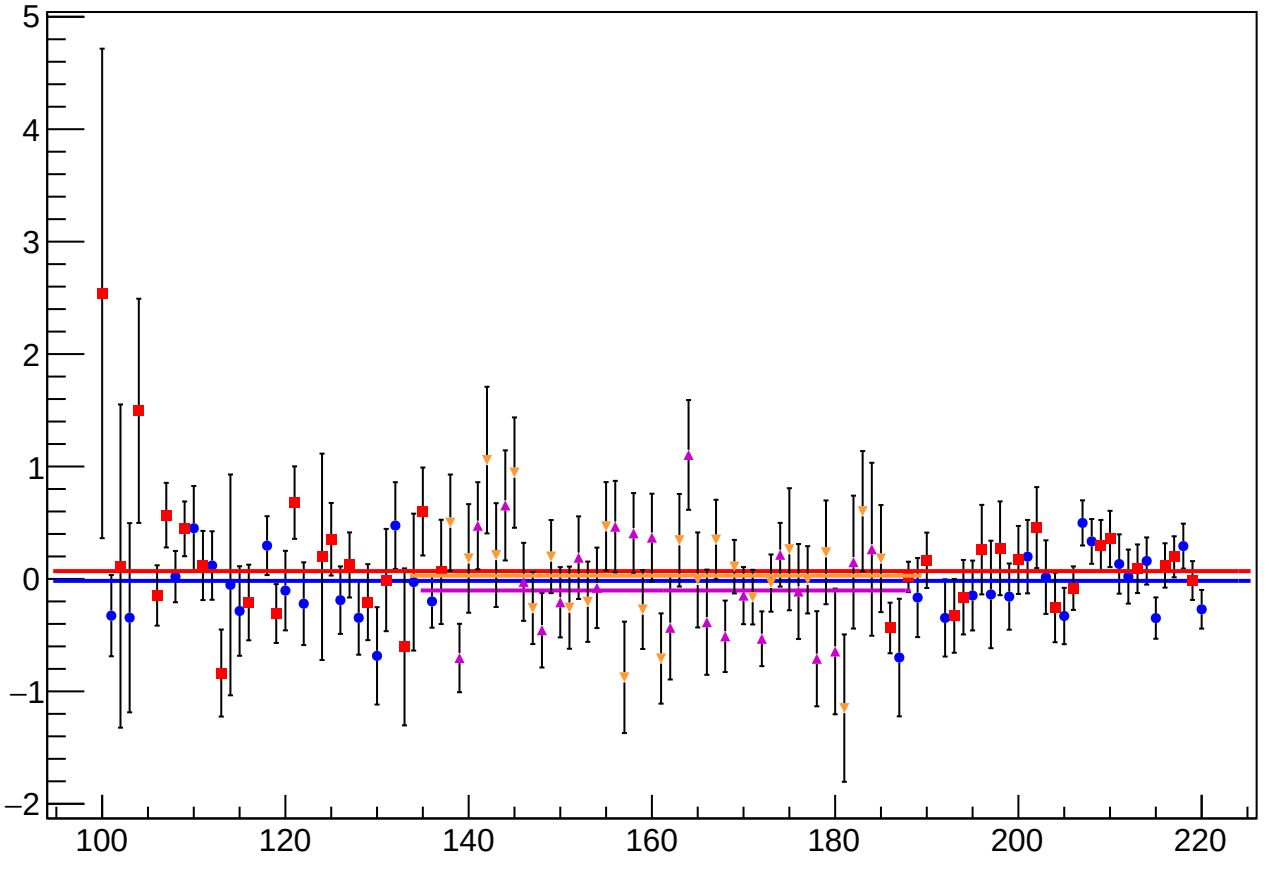
Right: 203.990+/-0.024 χ^2/NDF: 7352889.4/68

In: 242.704+/-0.029 χ^2/NDF:6515275.0/55

Out: 227.040+/-0.028 χ^2/NDF:10361208.0/60

All: 234.464+/-0.020 χ^2/NDF: 17026939.5/11

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.049 χ^2/NDF: 34.7/32

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

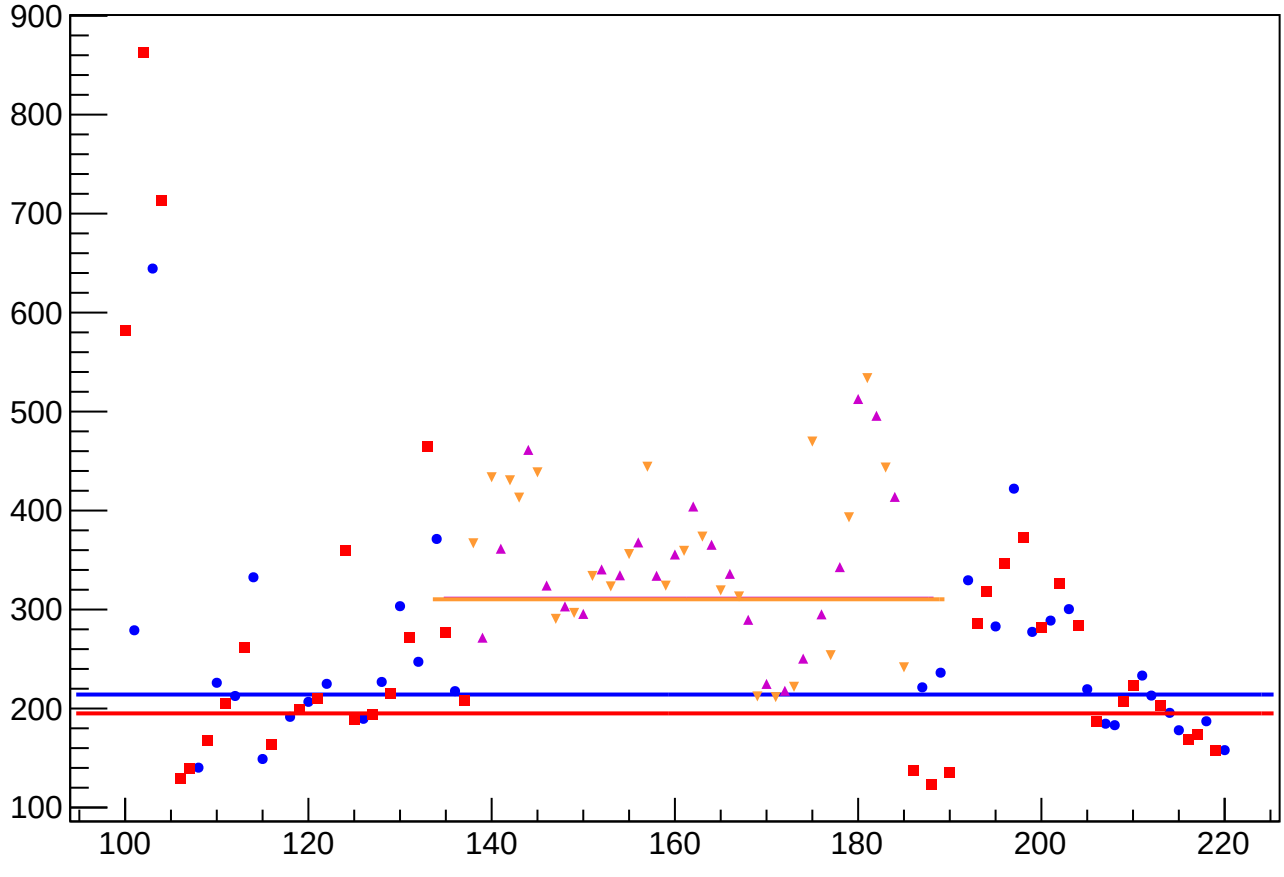
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.029+/-0.034 χ^2/NDF: 75.7/68

In: -0.042+/-0.041 χ^2/NDF:67.8/55

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.011+/-0.029 χ^2/NDF: 135.9/116



Right In: 214.134+/-0.035 χ^2/NDF: 2641639.4/32

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

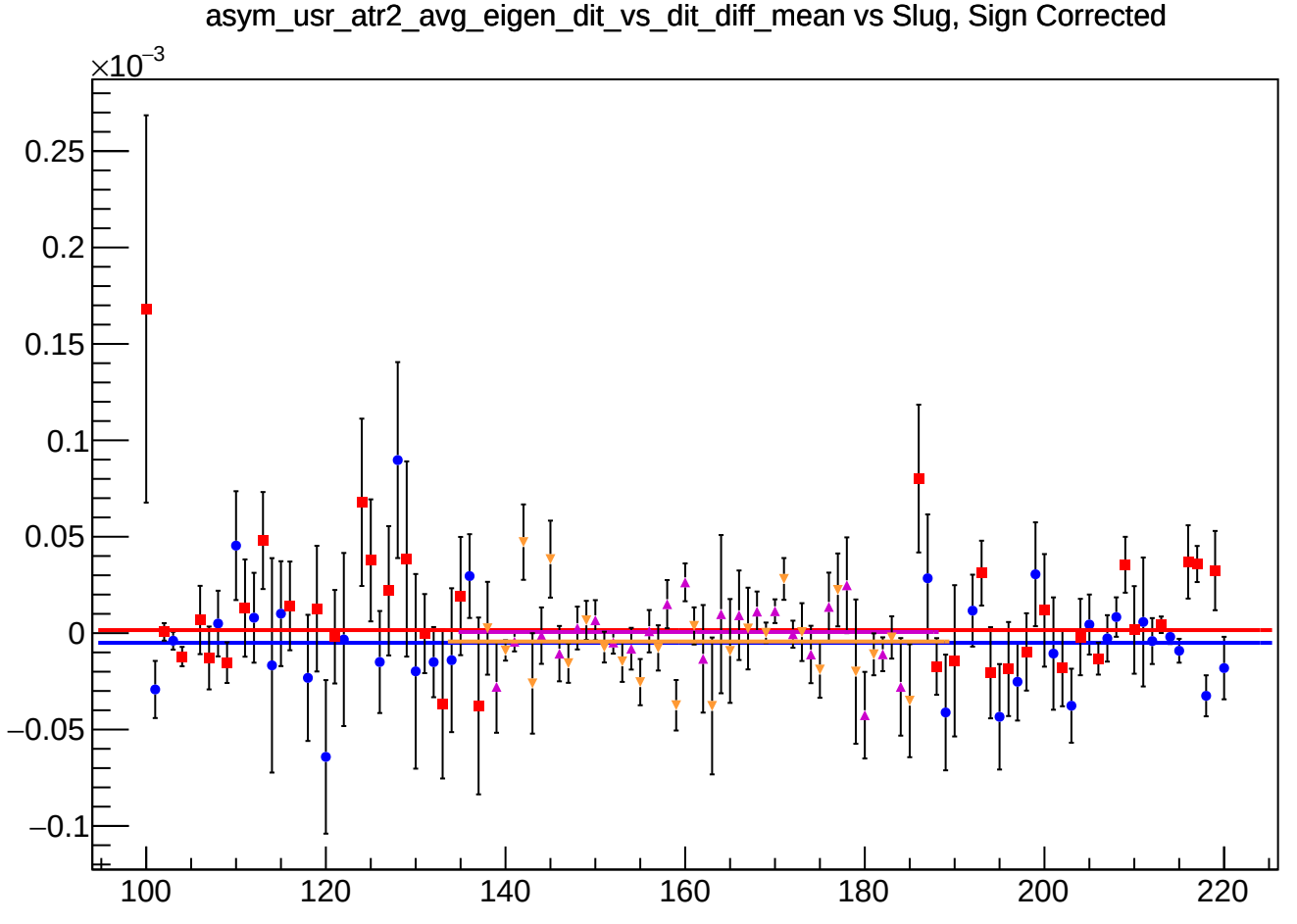
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 203.990+/-0.024 χ^2/NDF: 7352889.4/68

In: 242.704+/-0.029 χ^2/NDF:6515275.0/55

Out: 227.040+/-0.028 χ^2/NDF:10361208.0/60

All: 234.464+/-0.020 χ^2/NDF: 17026939.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 64.7/35

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

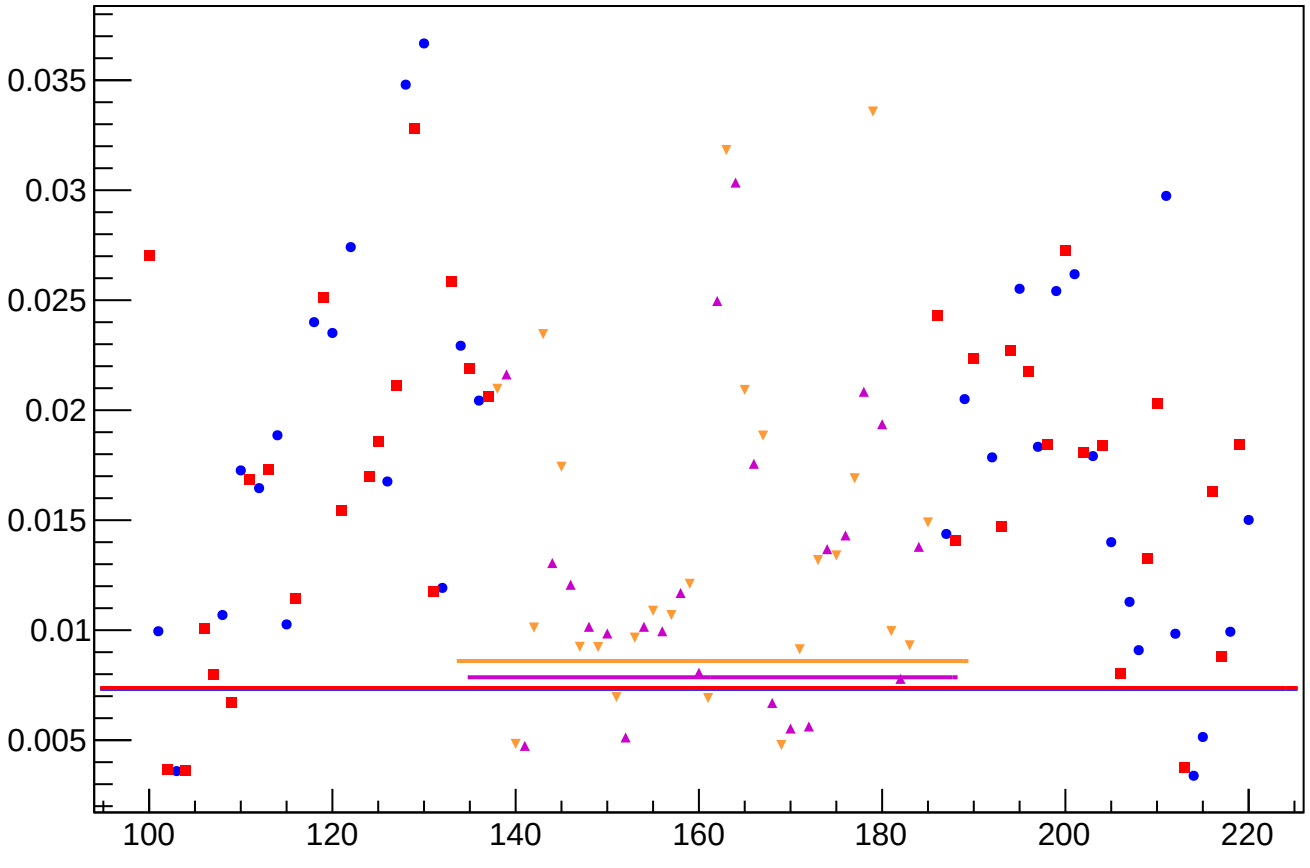
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 107.4/68

In: -0.000+/-0.000 χ^2/NDF:67.7/55

Out: -0.000+/-0.000 χ^2/NDF:110.7/60

All: -0.000+/-0.000 χ^2/NDF: 178.7/116



Right In: 0.007+/-0.000 χ^2/NDF: 15777878.1/32

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.007+/-0.000 χ^2/NDF: 15656523.3/35

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

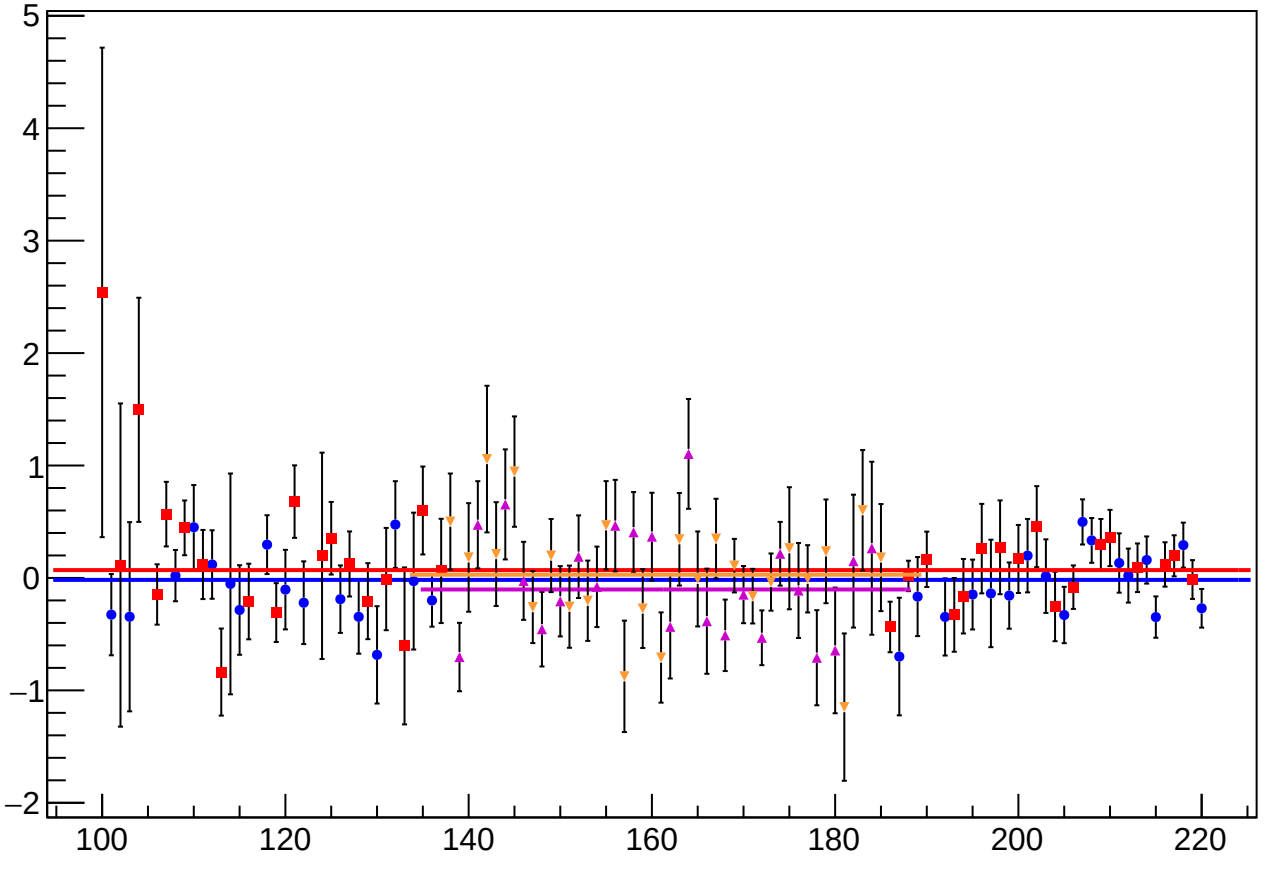
Right: 0.007+/-0.000 χ^2/NDF: 31434700.2/68

In: 0.008+/-0.000 χ^2/NDF:22618449.4/55

Out: 0.008+/-0.000 χ^2/NDF:23633036.9/60

All: 0.008+/-0.000 χ^2/NDF: 46302608.0/116

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.049 χ^2/NDF: 34.7/32

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

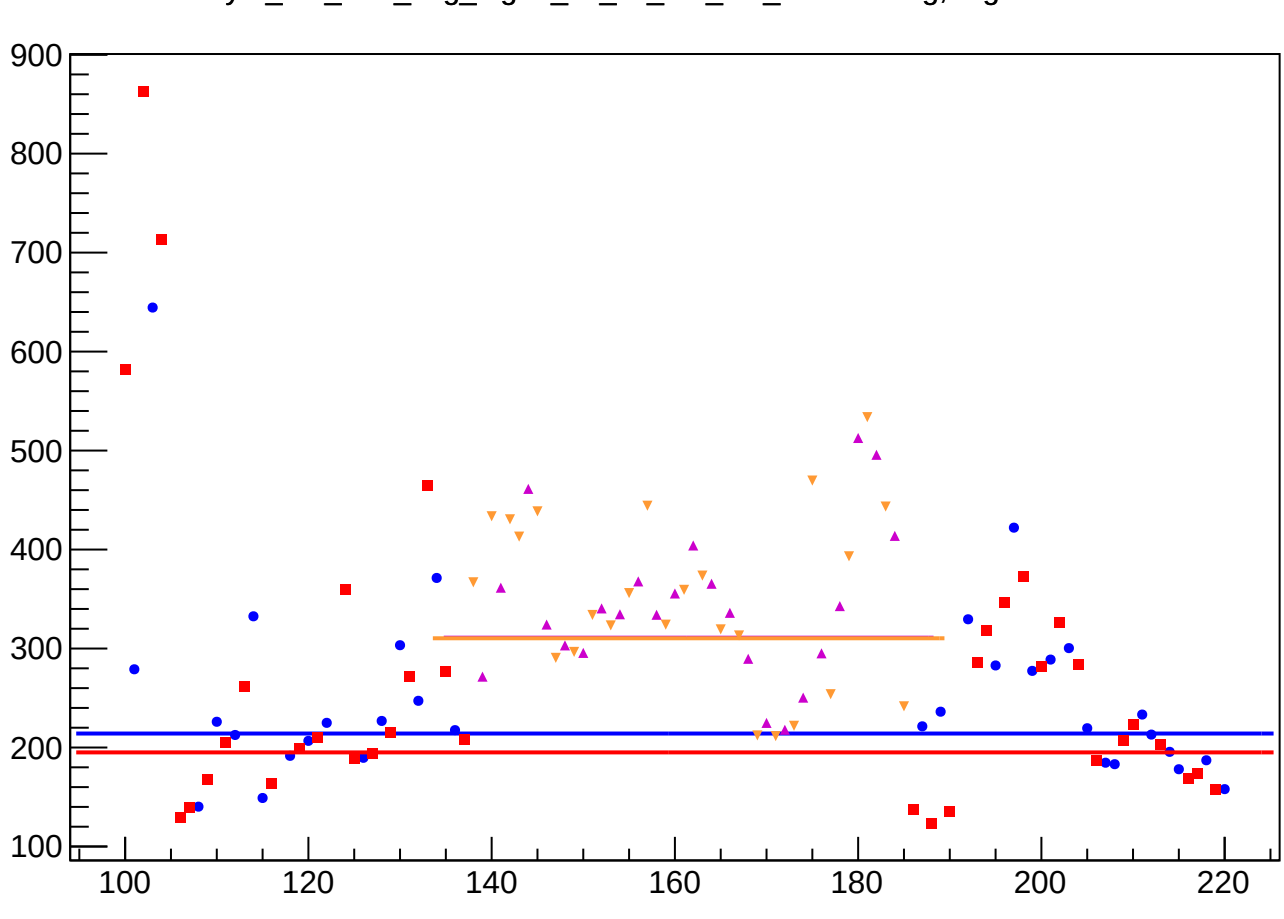
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.029+/-0.034 χ^2/NDF: 75.7/68

In: -0.042+/-0.041 χ^2/NDF:67.8/55

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.011+/-0.029 χ^2/NDF: 135.9/116



Right In: 214.133+/-0.035 χ^2/NDF: 2641646.7/32

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

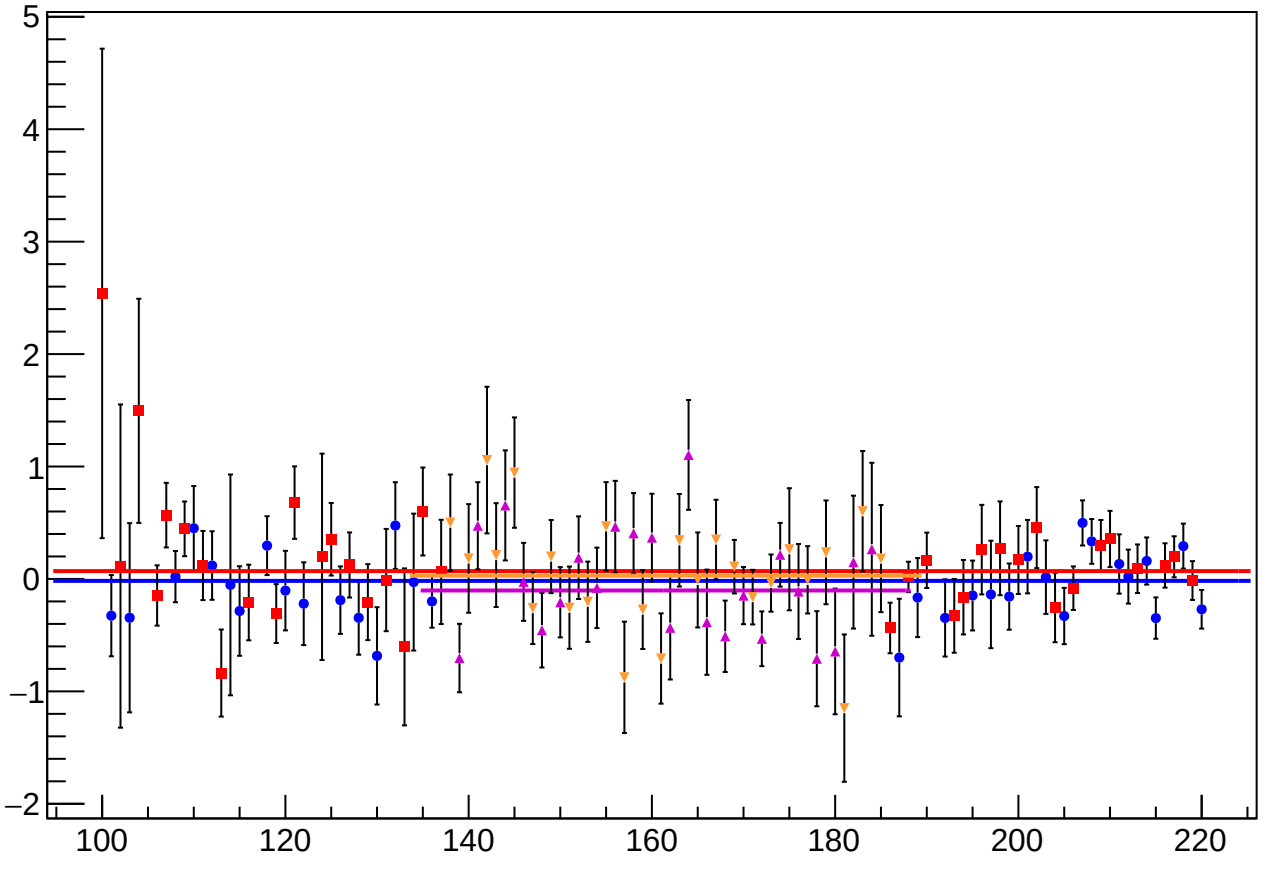
Right: 203.989+/-0.024 χ^2/NDF: 7353031.1/68

In: 242.704+/-0.029 χ^2/NDF:6515464.5/55

Out: 227.039+/-0.028 χ^2/NDF:10361632.6/60

All: 234.464+/-0.020 χ^2/NDF: 17027575.6/1

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.049 χ^2/NDF: 34.7/32

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

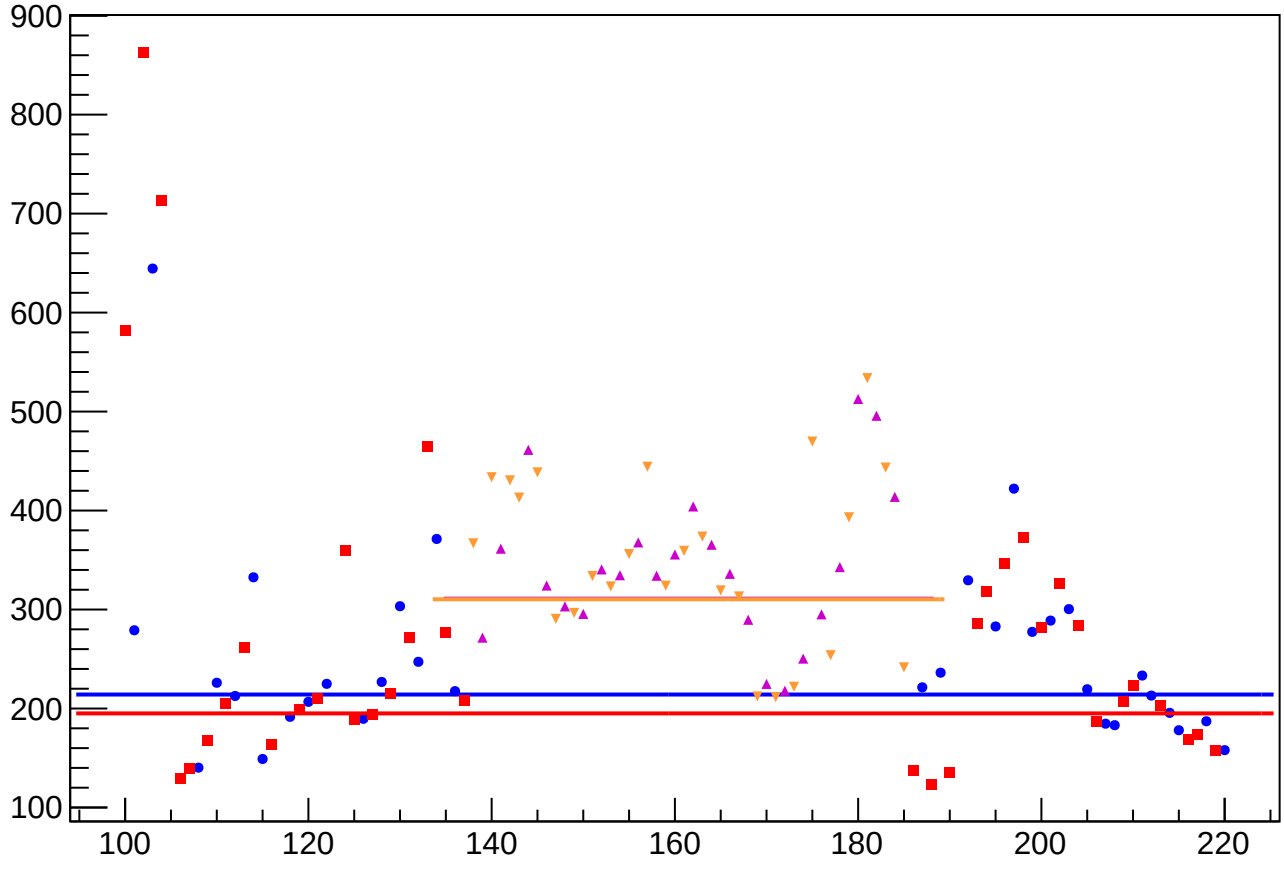
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.029+/-0.034 χ^2/NDF: 75.7/68

In: -0.042+/-0.041 χ^2/NDF:67.8/55

Out: 0.058+/-0.039 χ^2/NDF:64.9/60

All: 0.011+/-0.029 χ^2/NDF: 135.9/116



Right In: 214.133+/-0.035 χ^2/NDF: 2641646.7/32

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

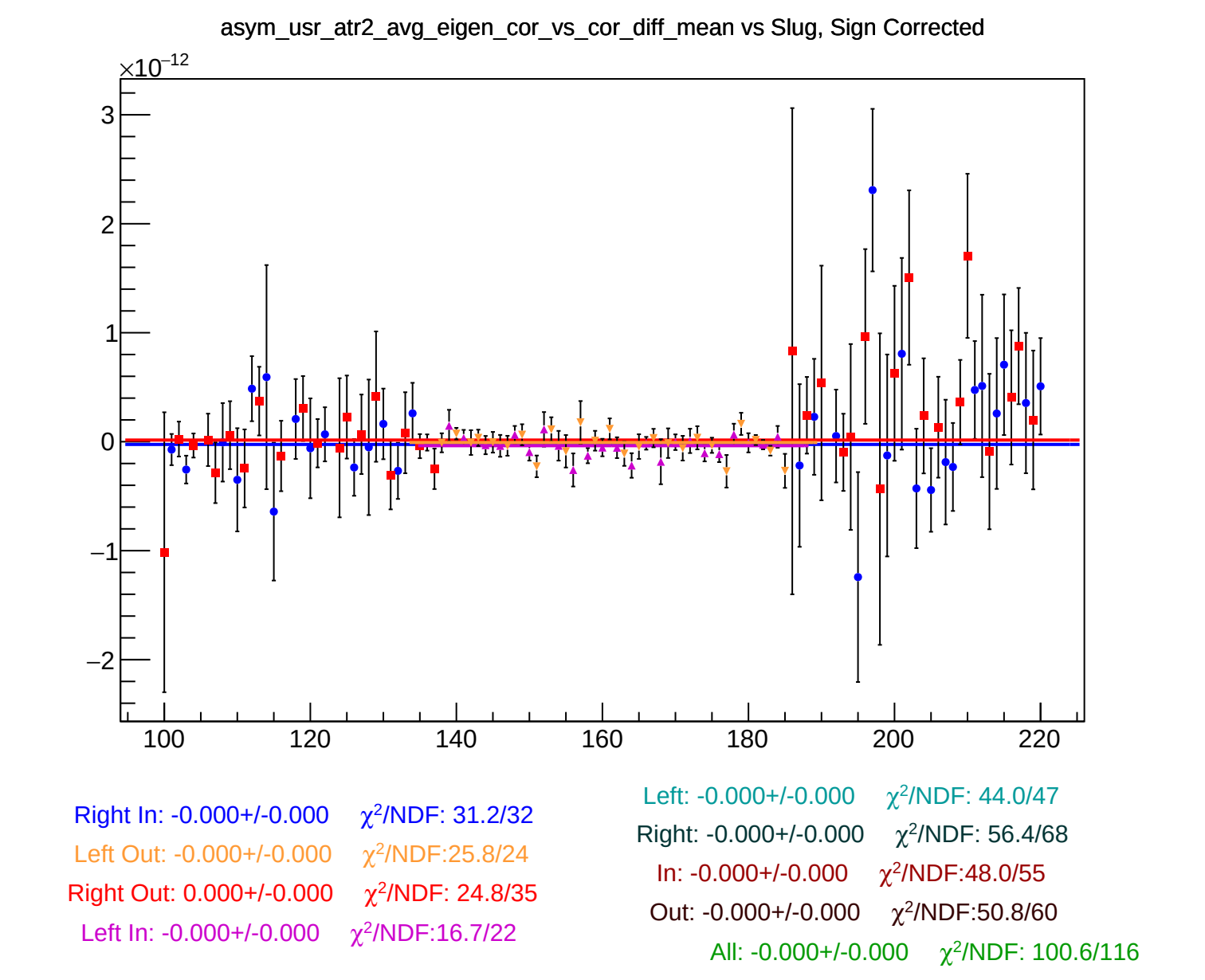
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

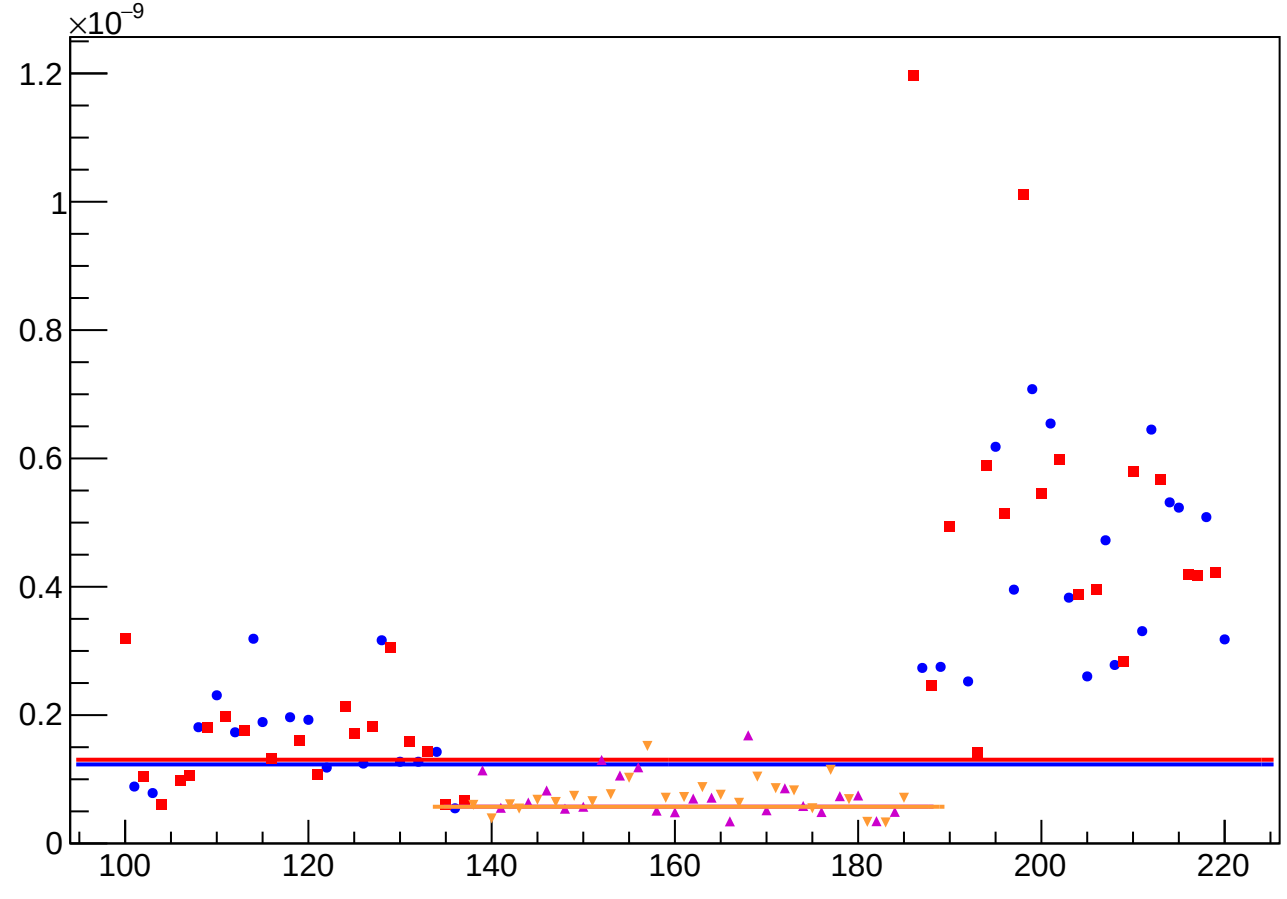
Right: 203.989+/-0.024 χ^2/NDF: 7353031.1/68

In: 242.704+/-0.029 χ^2/NDF:6515464.5/55

Out: 227.039+/-0.028 χ^2/NDF:10361632.6/60

All: 234.464+/-0.020 χ^2/NDF: 17027575.6/1


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 31.2/32
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.8/35
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: 56.4/68
In: -0.000+/-0.000 χ²/NDF:48.0/55
Out: -0.000+/-0.000 χ²/NDF:50.8/60
All: -0.000+/-0.000 χ²/NDF: 100.6/116



Right In: 0.000+/-0.000 χ^2/NDF: 10954213.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10725358.3/35

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

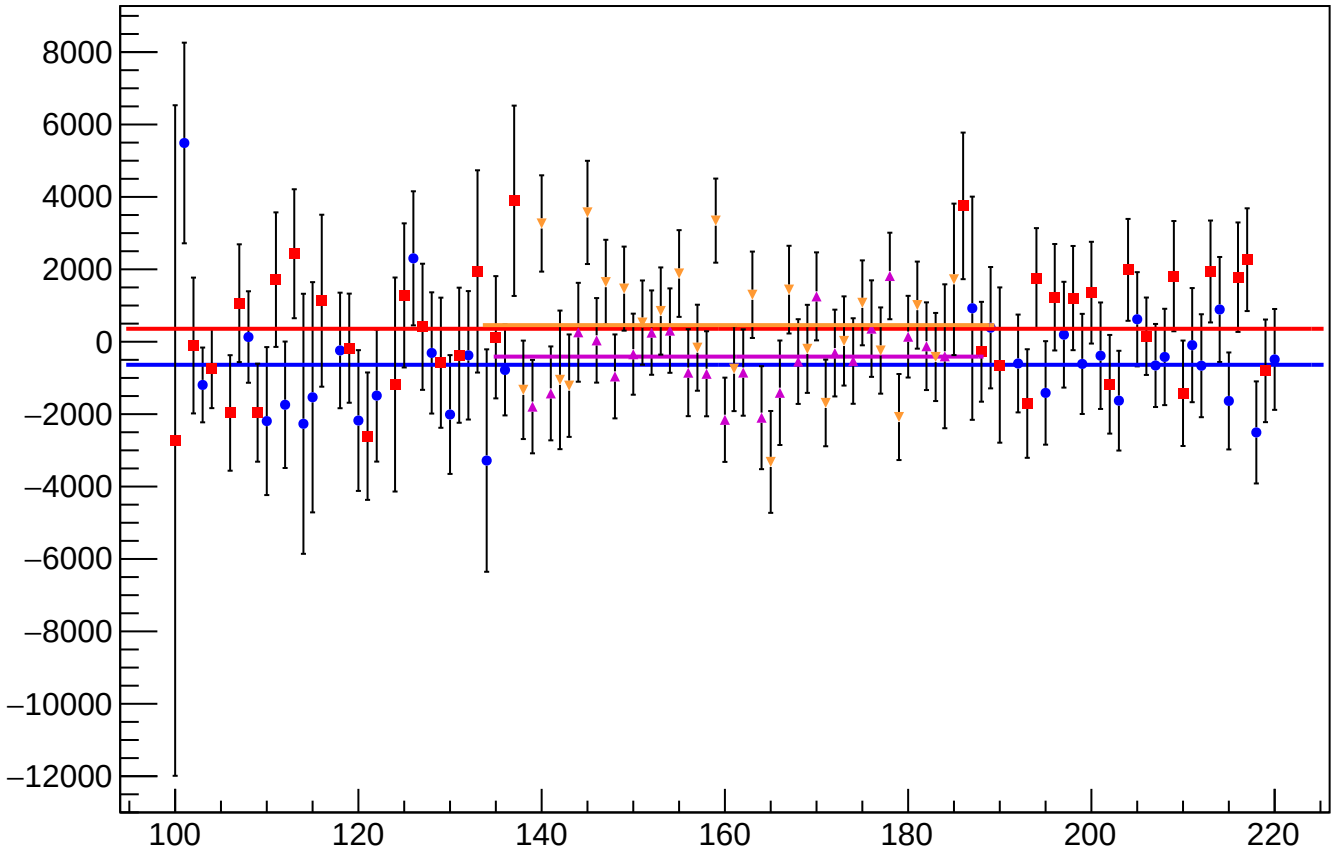
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 21702950.8/68

In: 0.000+/-0.000 χ^2/NDF:17709942.4/55

Out: 0.000+/-0.000 χ^2/NDF:18081442.2/60

All: 0.000+/-0.000 χ^2/NDF: 35791536.4/116



Right In: -636.710+/-269.014 χ^2/NDF: 18.1/32

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 357.864+/-266.606 χ^2/NDF: 31.5/35

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

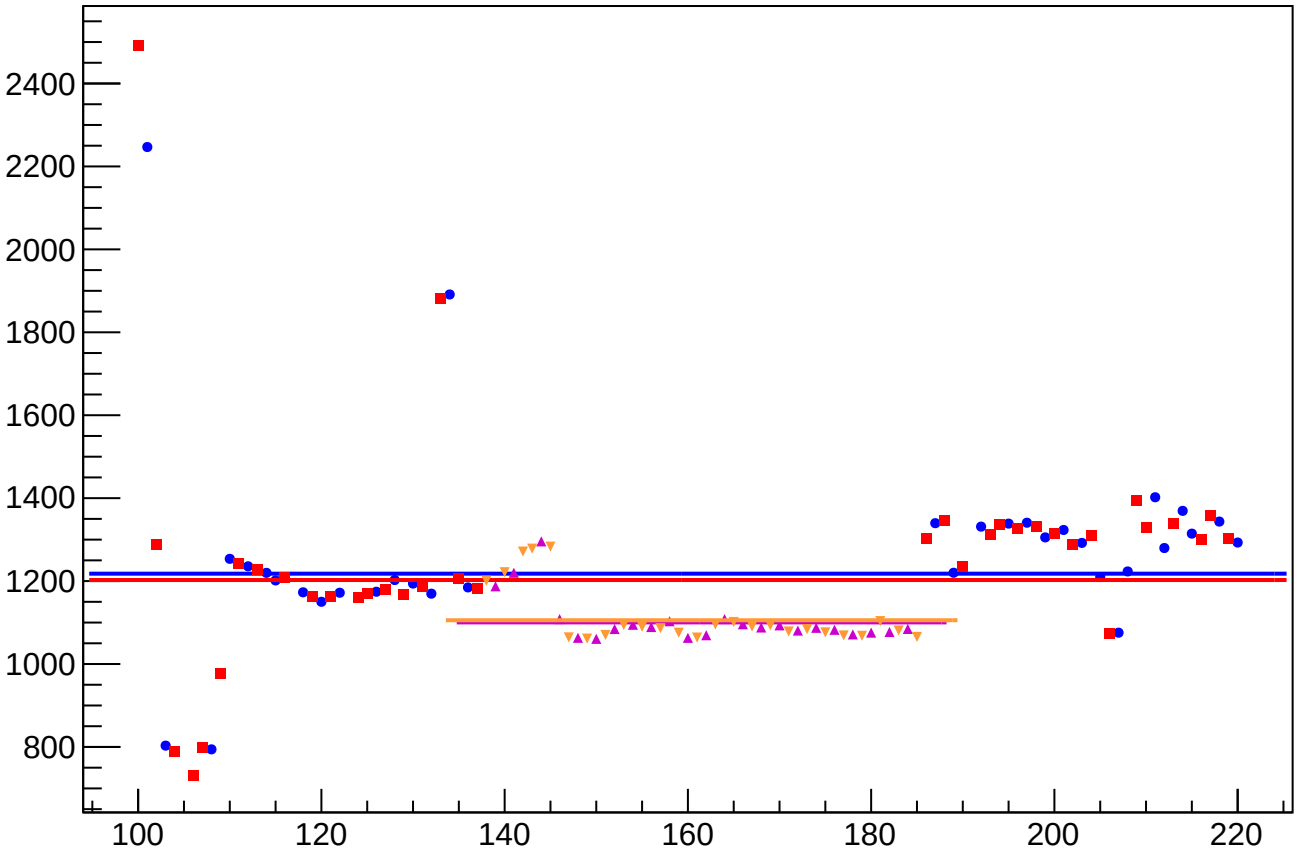
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -134.953+/-189.364 χ^2/NDF: 56.4/68

In: -518.928+/-185.904 χ^2/NDF:32.1/55

Out: 411.255+/-182.959 χ^2/NDF:73.6/60

All: -46.410+/-130.401 χ^2/NDF: 118.4/116



Right In: 1217.884+/-0.190 χ^2/NDF: 1115456.1/32

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1202.555+/-0.188 χ^2/NDF: 1103367.2/35

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

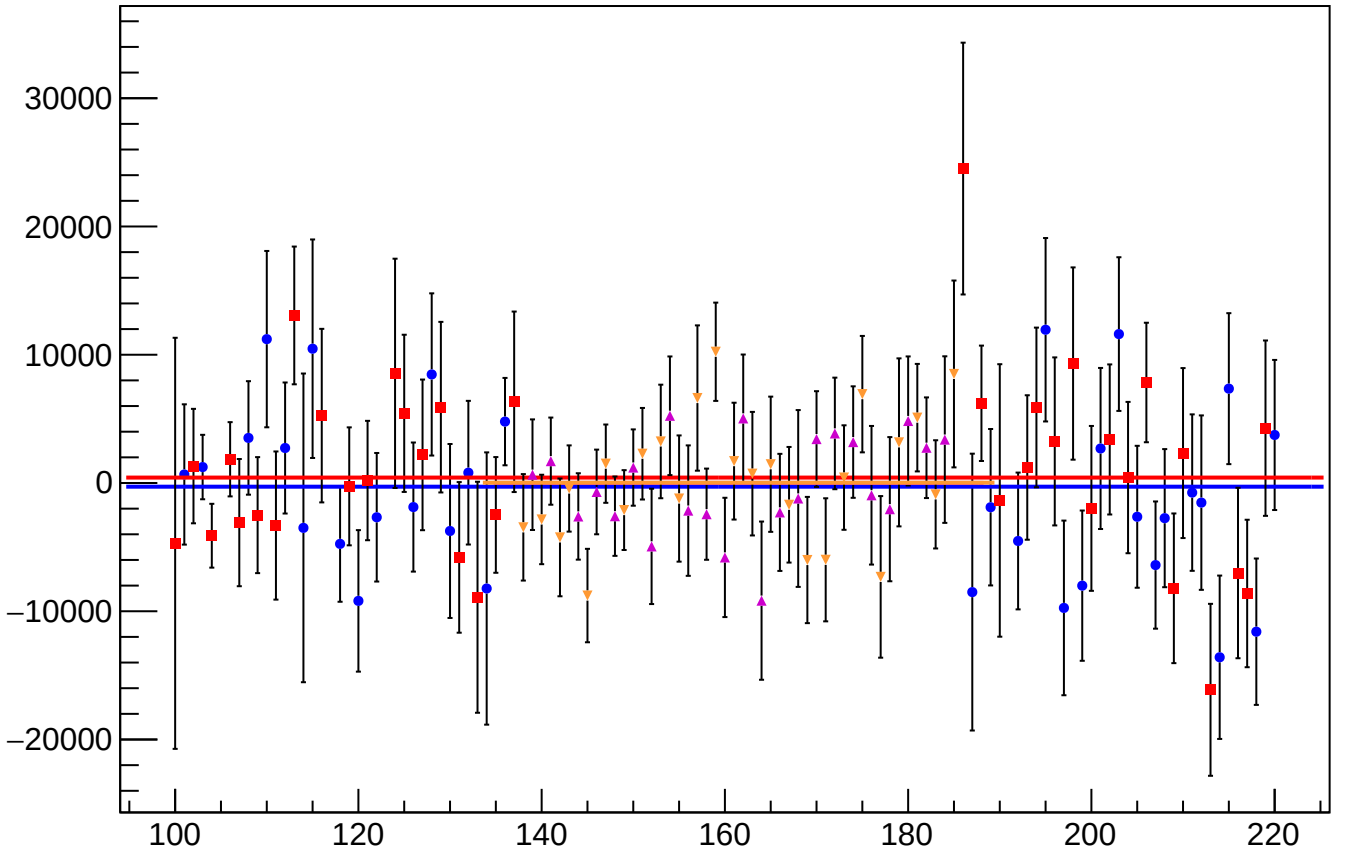
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1210.123+/-0.134 χ^2/NDF: 2222111.0/68

In: 1156.480+/-0.131 χ^2/NDF:1395150.5/55

Out: 1151.403+/-0.129 χ^2/NDF:1365920.4/60

All: 1153.897+/-0.092 χ^2/NDF: 2761829.9/11



Right In: -288.227+/-944.104 χ^2/NDF: 39.3/32

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 422.480+/-894.446 χ^2/NDF: 42.1/35

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

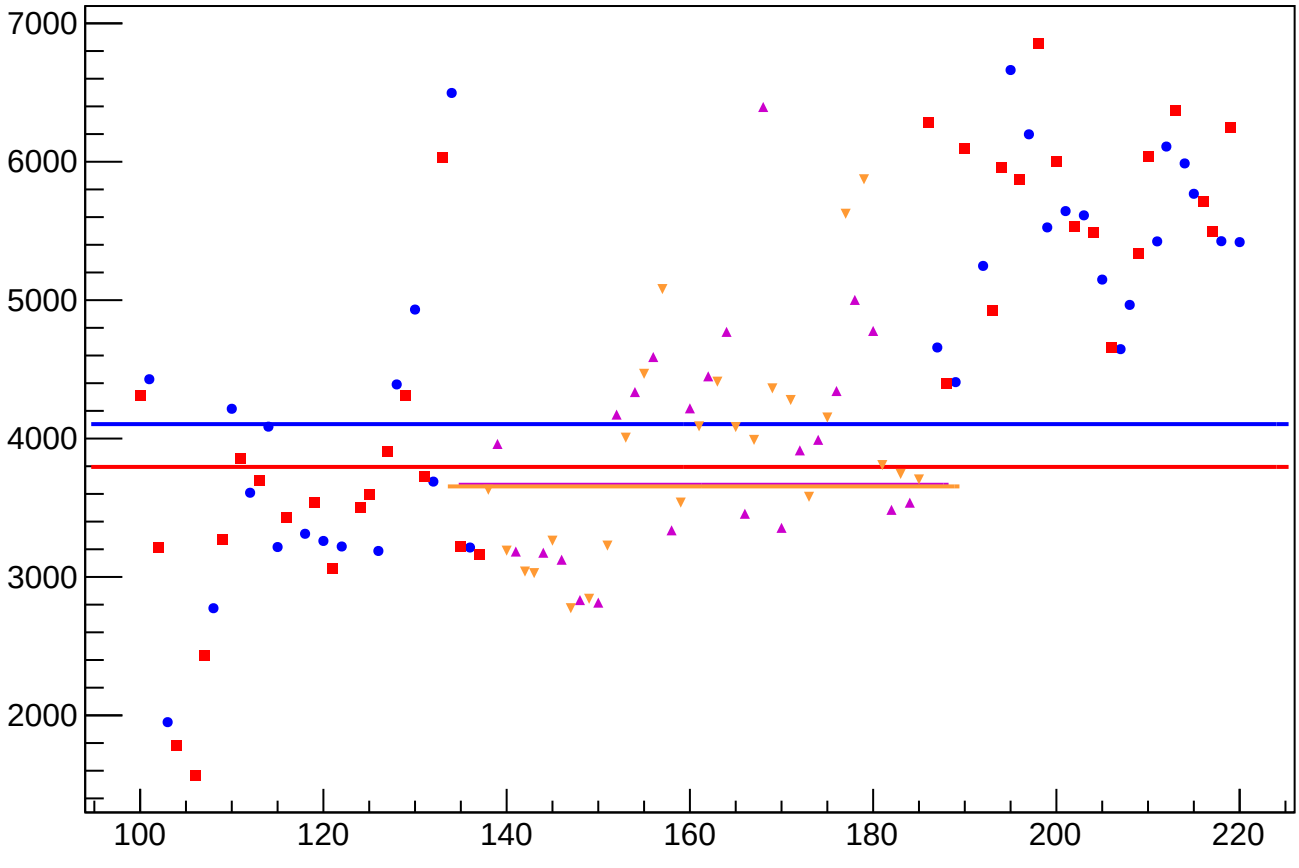
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 86.308+/-649.314 χ^2/NDF: 81.7/68

In: -129.825+/-641.860 χ^2/NDF:53.4/55

Out: 212.856+/-616.308 χ^2/NDF:70.7/60

All: 48.472+/-444.555 χ^2/NDF: 124.2/116



Right In: 4104.307+/-0.668 χ^2/NDF: 4087876.1/32

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3795.073+/-0.632 χ^2/NDF: 5984356.9/35

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

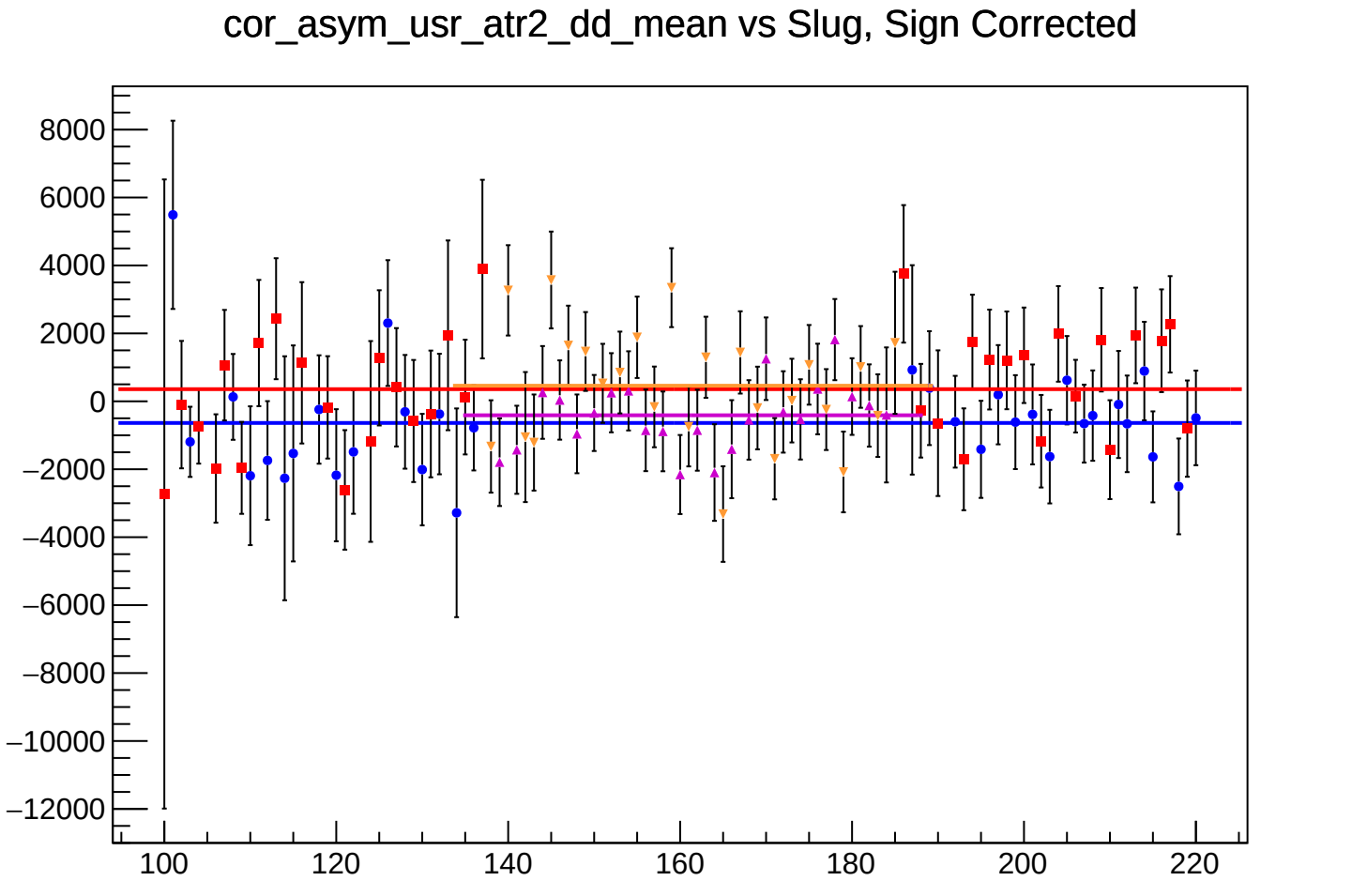
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3941.344+/-0.459 χ^2/NDF: 10185308.5/68

In: 3868.654+/-0.454 χ^2/NDF:5663285.1/55

Out: 3721.082+/-0.436 χ^2/NDF:7322176.3/60

All: 3791.872+/-0.314 χ^2/NDF: 13040468.1/


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
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0
−2000
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−8000
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−12000
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120
140
160
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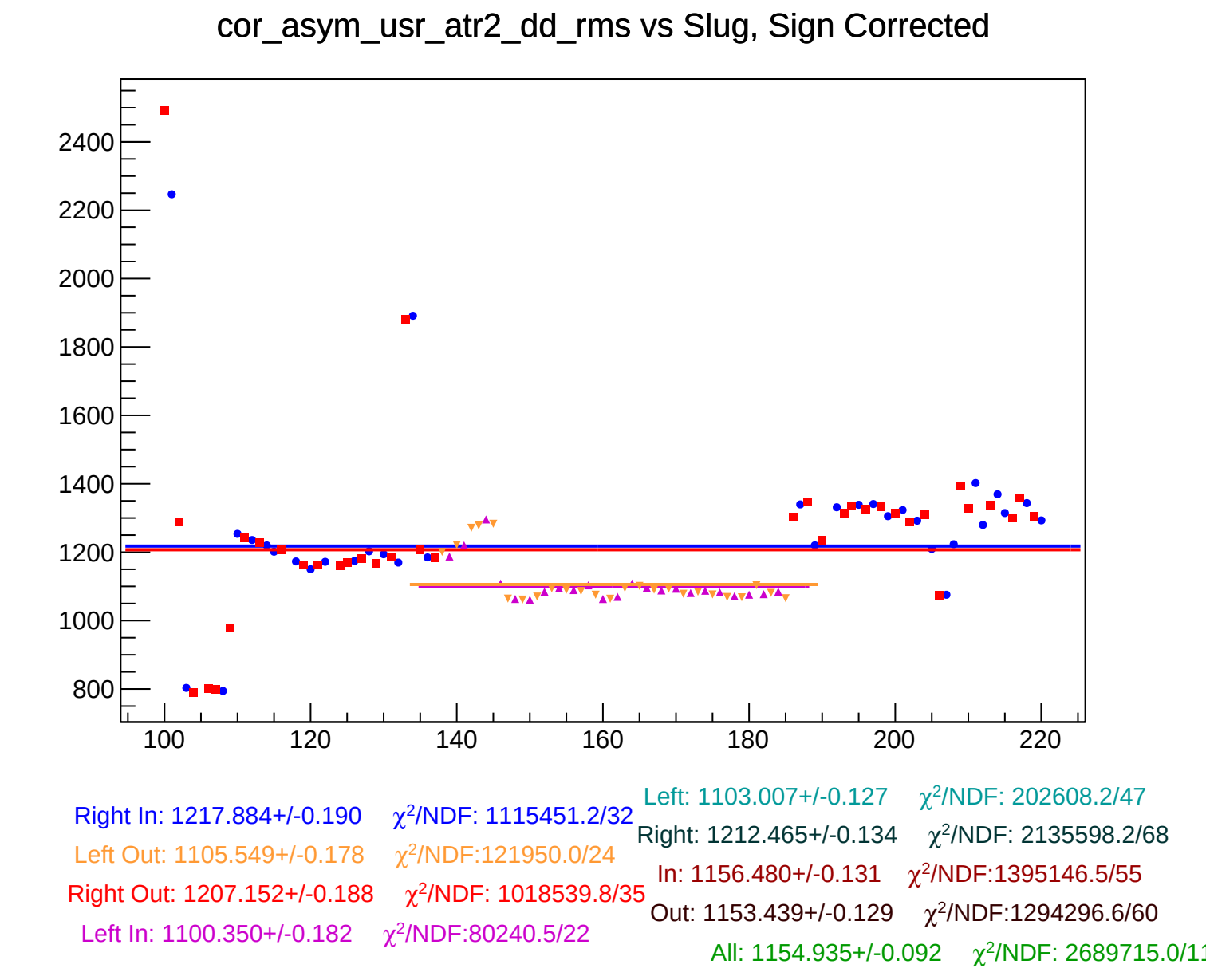
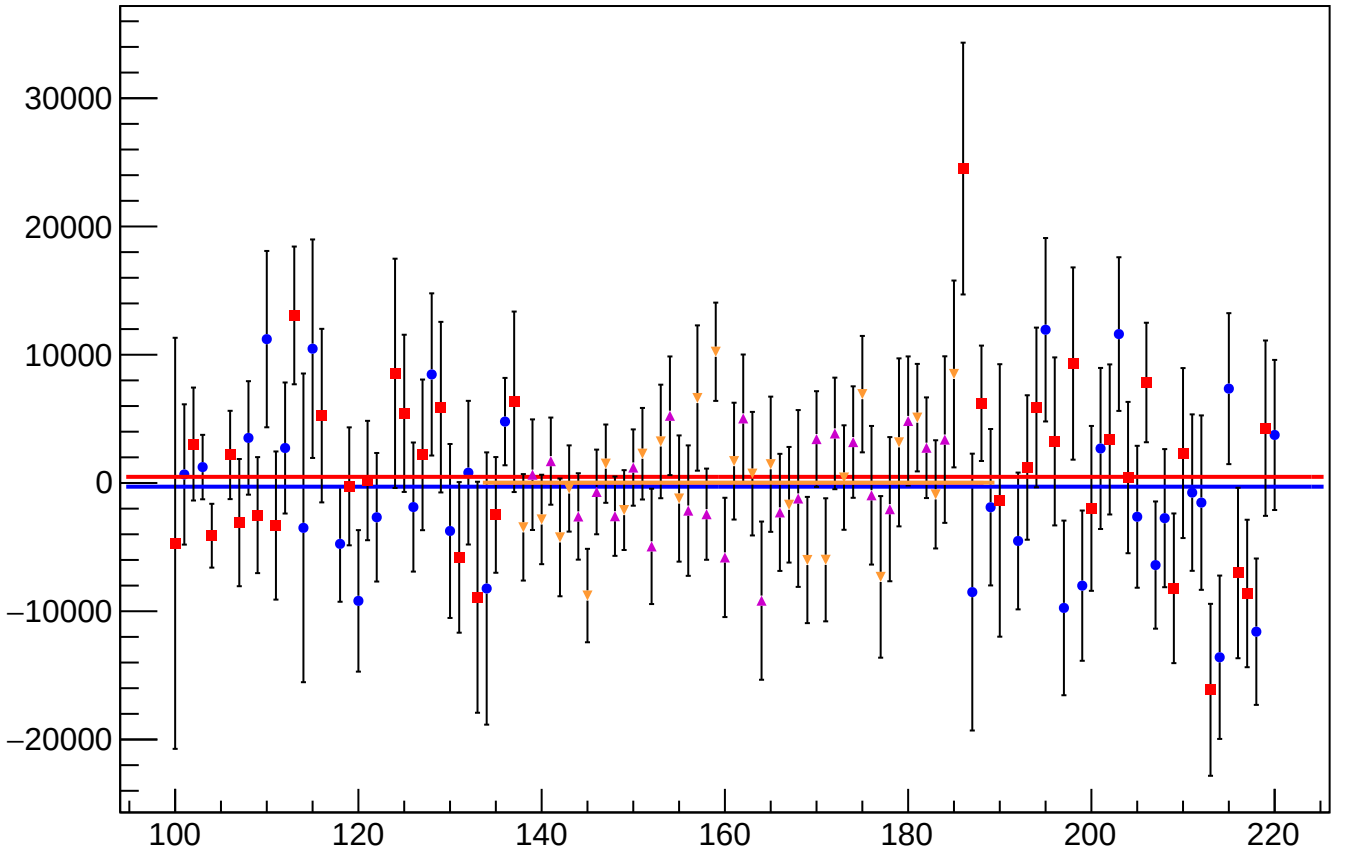
220
Right In: -636.726+/-269.014 χ²/NDF: 18.1/32
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 357.729+/-266.607 χ²/NDF: 31.5/35
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -135.031+/-189.365 χ²/NDF: 56.4/68
In: -518.885+/-185.904 χ²/NDF:32.1/55
Out: 411.225+/-182.960 χ²/NDF:73.6/60
All: -46.405+/-130.401 χ²/NDF: 118.4/116


cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
220
Right In: 1217.884+/-0.190 χ²/NDF: 1115451.2/32
Left Out: 1105.549+/-0.178 χ²/NDF:121950.0/24
Right Out: 1207.152+/-0.188 χ²/NDF: 1018539.8/35
Left In: 1100.350+/-0.182 χ²/NDF:80240.5/22
Left: 1103.007+/-0.127 χ²/NDF: 202608.2/47
Right: 1212.465+/-0.134 χ²/NDF: 2135598.2/68
In: 1156.480+/-0.131 χ²/NDF:1395146.5/55
Out: 1153.439+/-0.129 χ²/NDF:1294296.6/60
All: 1154.935+/-0.092 χ²/NDF: 2689715.0/11



Right In: -288.602+/-944.126 χ^2/NDF: 39.3/32

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 478.649+/-906.728 χ^2/NDF: 42.5/35

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

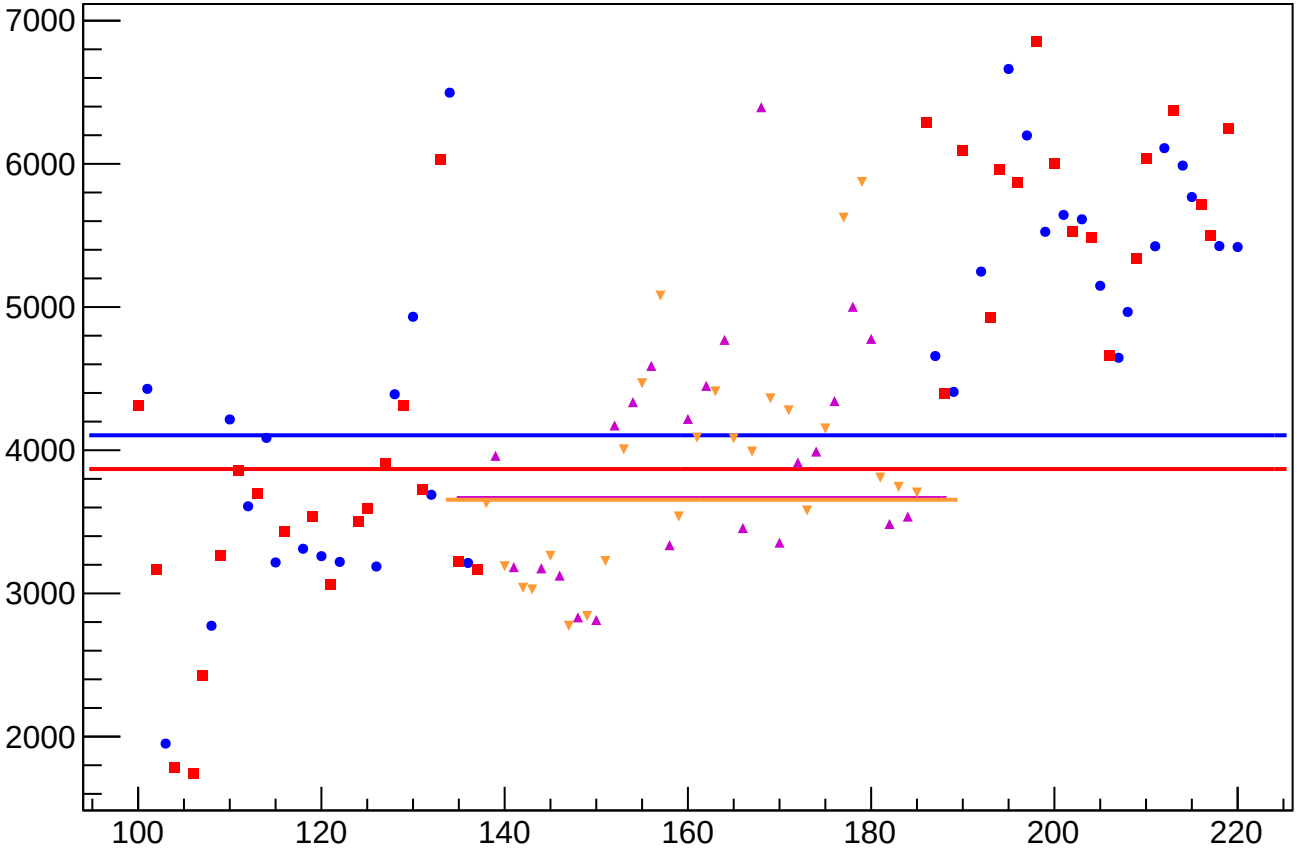
Right: 110.520+/-653.975 χ^2/NDF: 82.1/68

In: -129.967+/-641.867 χ^2/NDF:53.4/55

Out: 236.428+/-620.283 χ^2/NDF:71.1/60

All: 59.494+/-446.042 χ^2/NDF: 124.6/116

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 4104.458+/-0.668 χ^2/NDF: 4086887.9/32

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3868.673+/-0.641 χ^2/NDF: 5502499.2/35

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

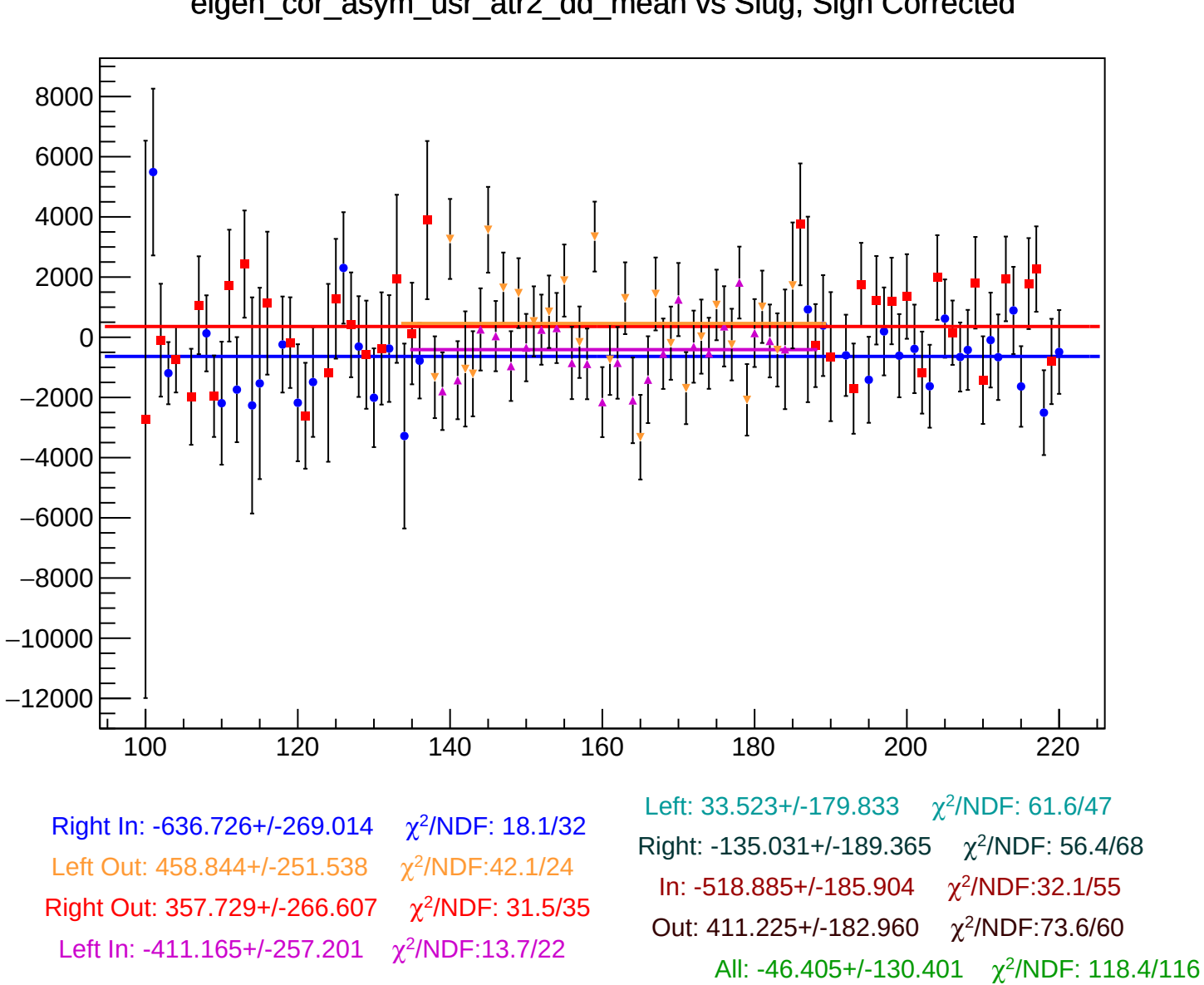
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3981.803+/-0.462 χ^2/NDF: 9654276.4/68

In: 3868.717+/-0.454 χ^2/NDF:5662456.9/55

Out: 3754.566+/-0.439 χ^2/NDF:6873803.1/60

All: 3809.690+/-0.315 χ^2/NDF: 12568969.4/1


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
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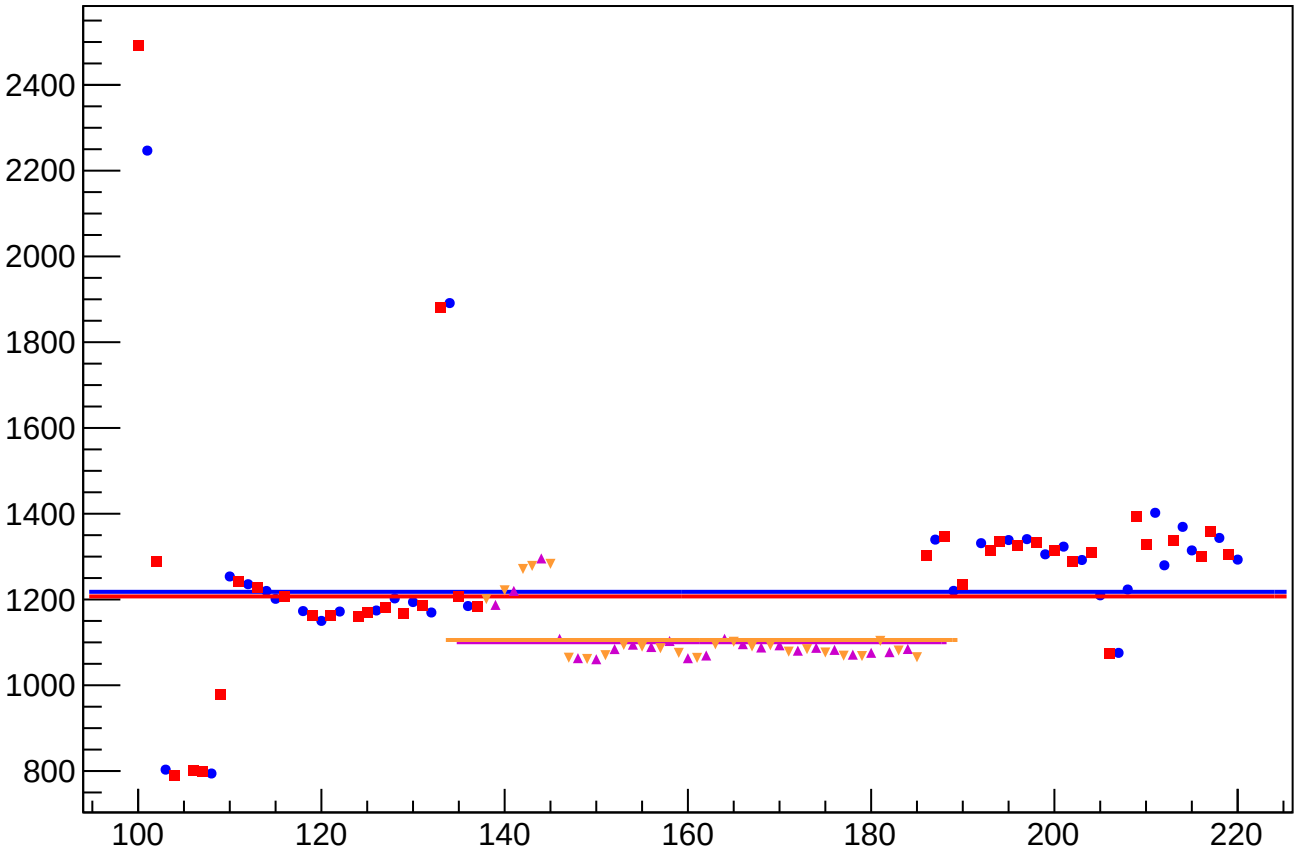
−10000
−12000
100
120
140
160
180
200
220
Right In: -636.726+/-269.014 χ²/NDF: 18.1/32
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 357.729+/-266.607 χ²/NDF: 31.5/35
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -135.031+/-189.365 χ²/NDF: 56.4/68
In: -518.885+/-185.904 χ²/NDF:32.1/55
Out: 411.225+/-182.960 χ²/NDF:73.6/60
All: -46.405+/-130.401 χ²/NDF: 118.4/116



Right In: 1217.884+/-0.190 χ^2/NDF: 1115451.2/32

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1207.152+/-0.188 χ^2/NDF: 1018539.8/35

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

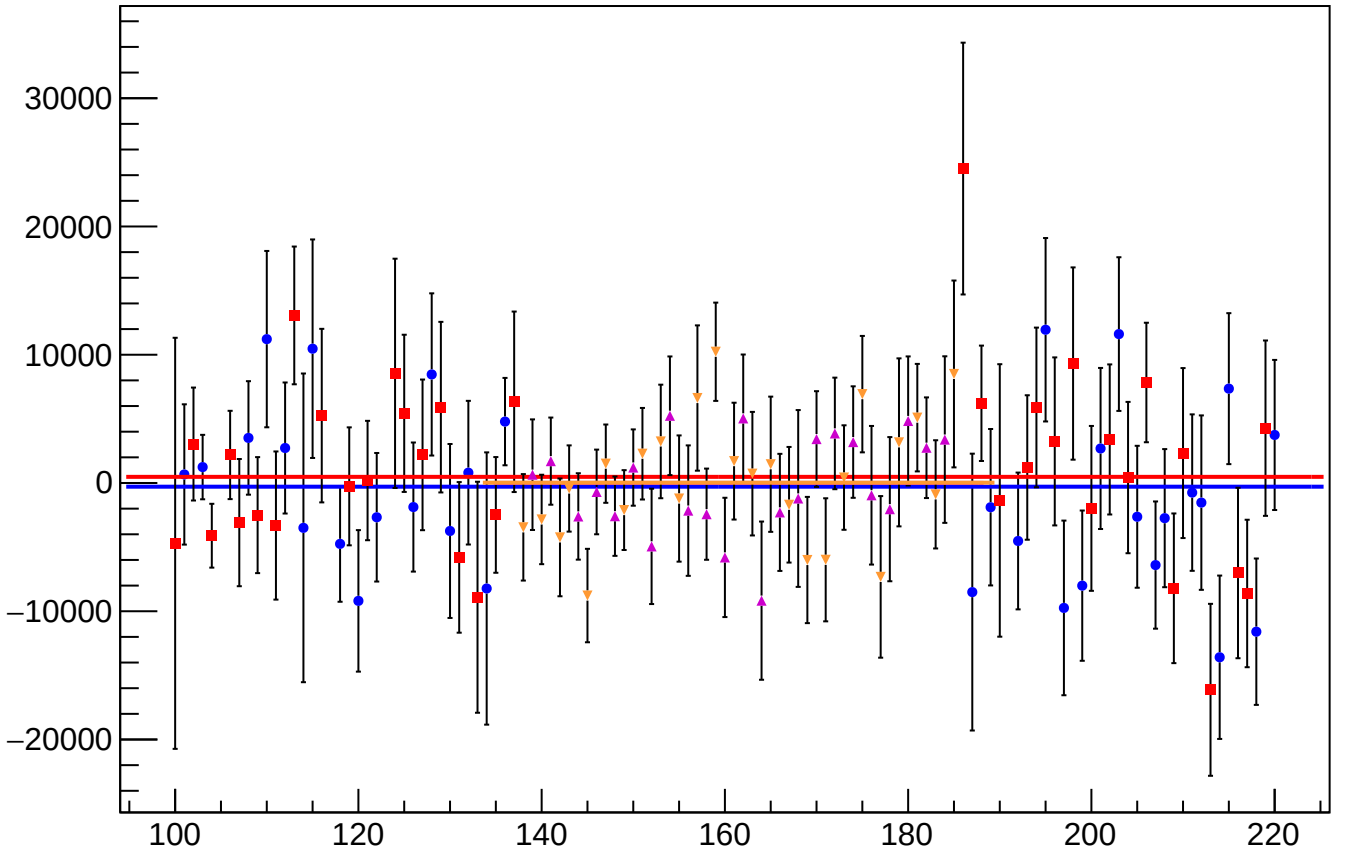
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1212.465+/-0.134 χ^2/NDF: 2135598.2/68

In: 1156.480+/-0.131 χ^2/NDF:1395146.5/55

Out: 1153.439+/-0.129 χ^2/NDF:1294296.6/60

All: 1154.935+/-0.092 χ^2/NDF: 2689715.0/11



Right In: -288.602+/-944.126 χ^2/NDF: 39.3/32

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 478.649+/-906.728 χ^2/NDF: 42.5/35

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

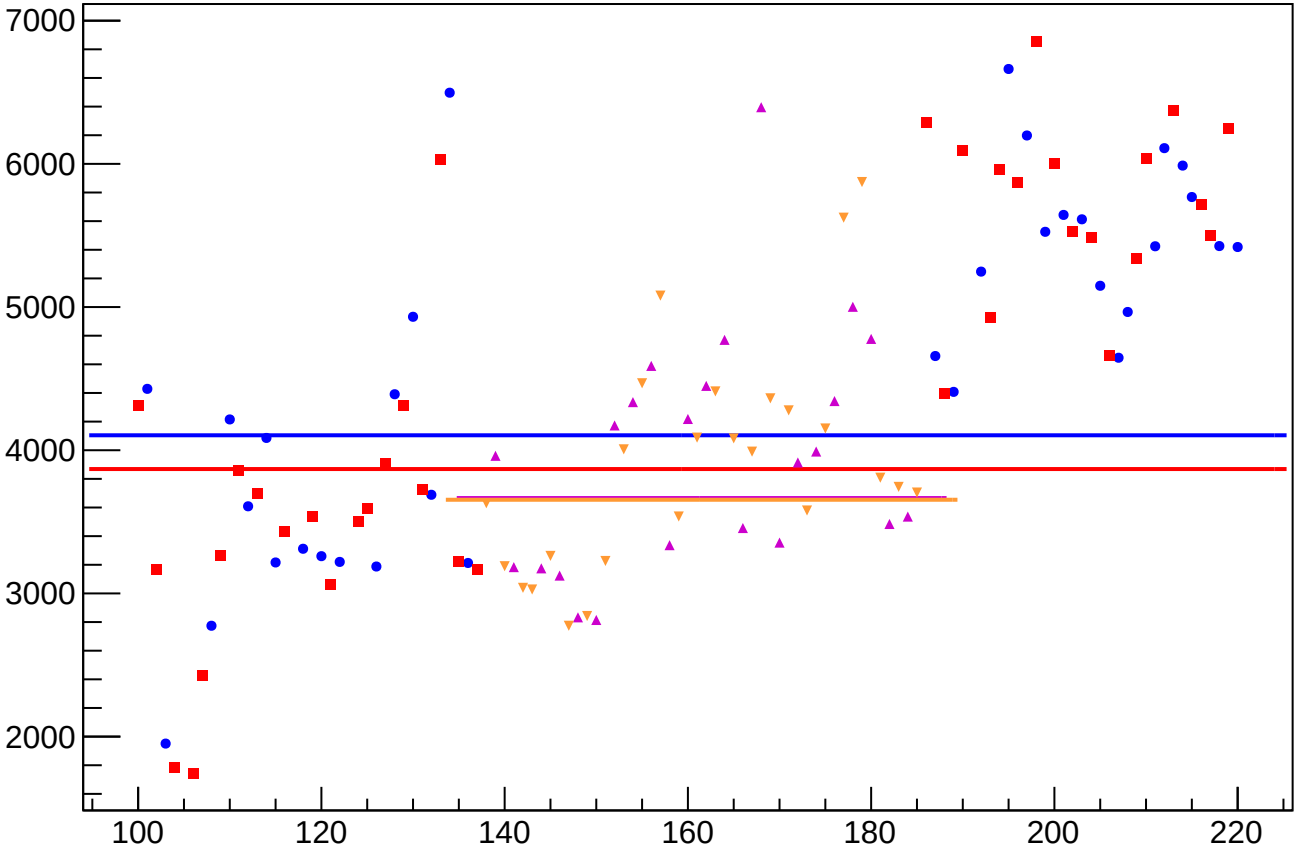
Right: 110.520+/-653.975 χ^2/NDF: 82.1/68

In: -129.967+/-641.867 χ^2/NDF:53.4/55

Out: 236.428+/-620.283 χ^2/NDF:71.1/60

All: 59.494+/-446.042 χ^2/NDF: 124.6/116

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4104.458+/-0.668 χ^2/NDF: 4086887.9/32

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3868.673+/-0.641 χ^2/NDF: 5502499.2/35

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

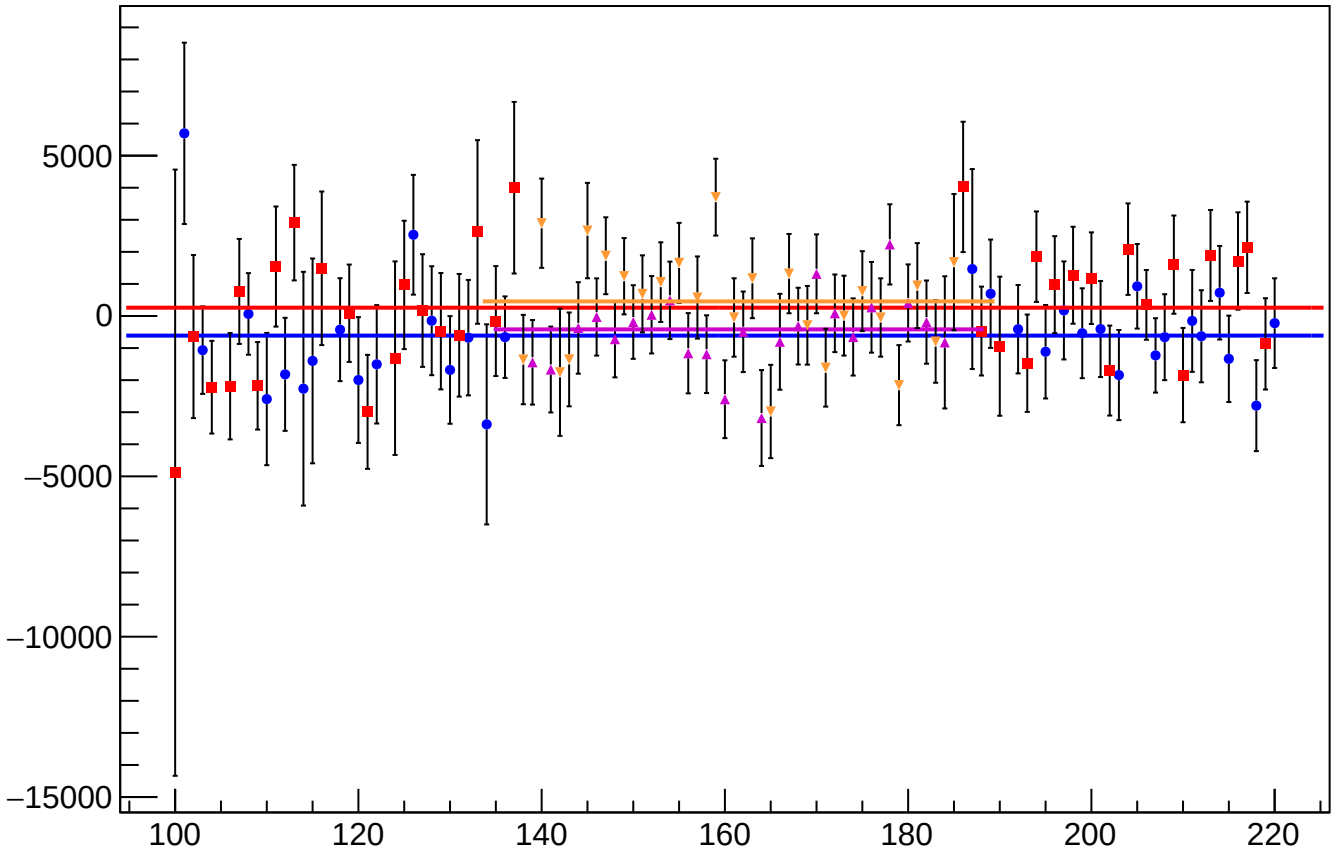
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3981.803+/-0.462 χ^2/NDF: 9654276.4/68

In: 3868.717+/-0.454 χ^2/NDF:5662456.9/55

Out: 3754.566+/-0.439 χ^2/NDF:6873803.1/60

All: 3809.690+/-0.315 χ^2/NDF: 12568969.4/1



Right In: -611.620+/-276.313 χ^2/NDF: 19.4/32

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 259.607+/-274.955 χ^2/NDF: 37.2/35

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

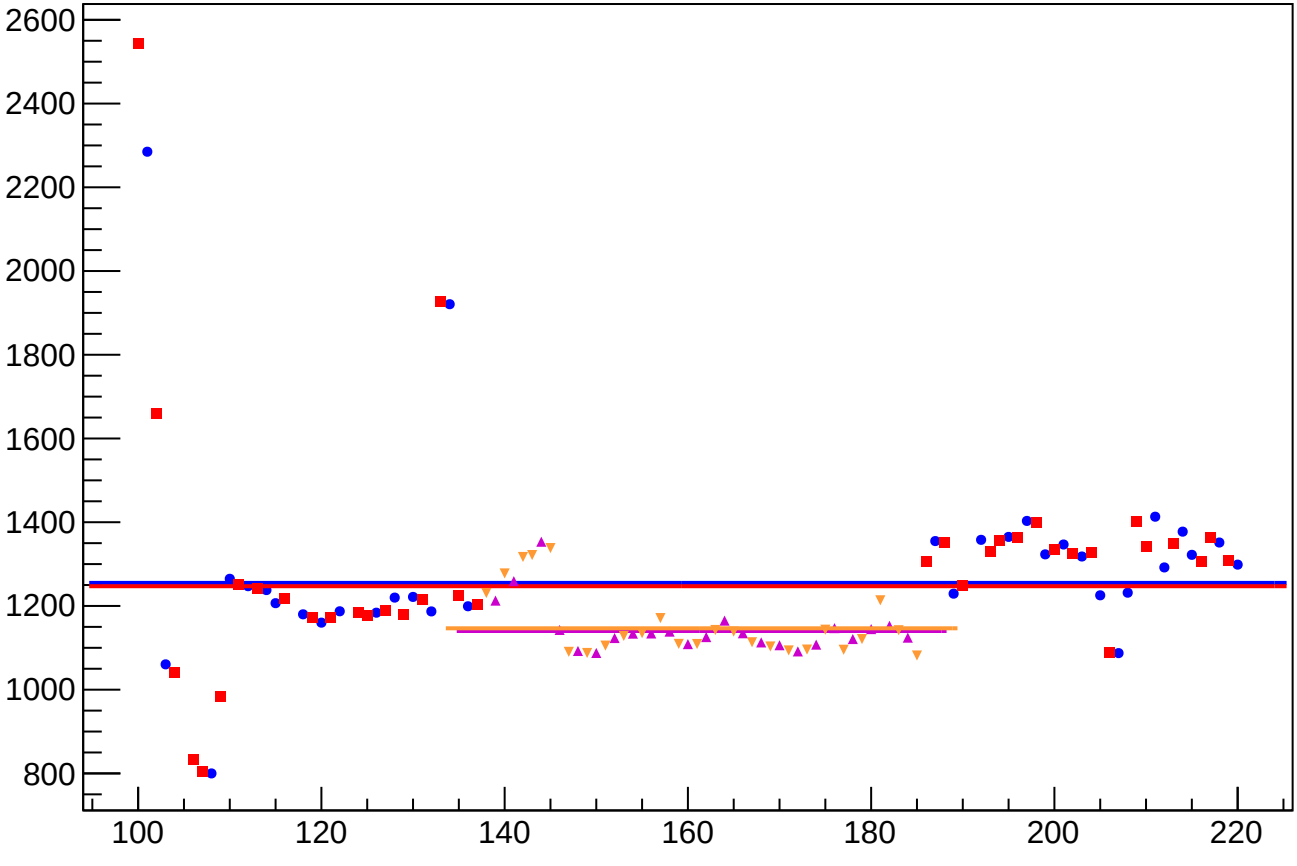
Right: -173.861+/-194.901 χ^2/NDF: 61.7/68

In: -510.928+/-191.850 χ^2/NDF:37.0/55

Out: 362.760+/-189.298 χ^2/NDF:73.7/60

All: -68.235+/-134.747 χ^2/NDF: 121.2/116

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1255.074+/-0.195 χ^2/NDF: 831341.5/32

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1247.126+/-0.194 χ^2/NDF: 794680.6/35

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

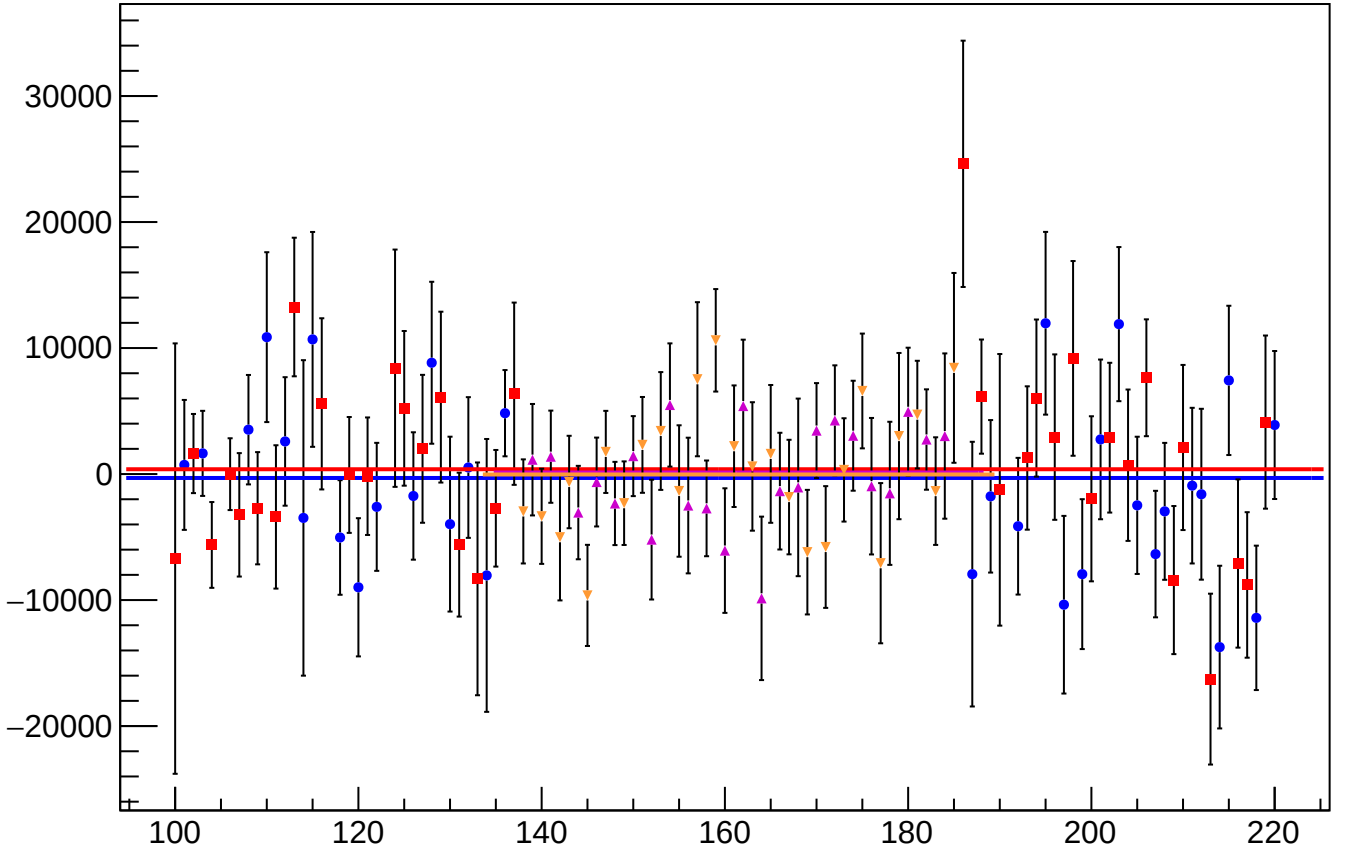
Right: 1251.080+/-0.138 χ^2/NDF: 1626853.6/68

In: 1195.562+/-0.136 χ^2/NDF:1095210.6/55

Out: 1194.265+/-0.134 χ^2/NDF:1076309.7/60

All: 1194.905+/-0.095 χ^2/NDF: 2171566.6/11

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -311.073+/-977.710 χ^2/NDF: 39.0/32

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 381.659+/-905.358 χ^2/NDF: 41.5/35

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

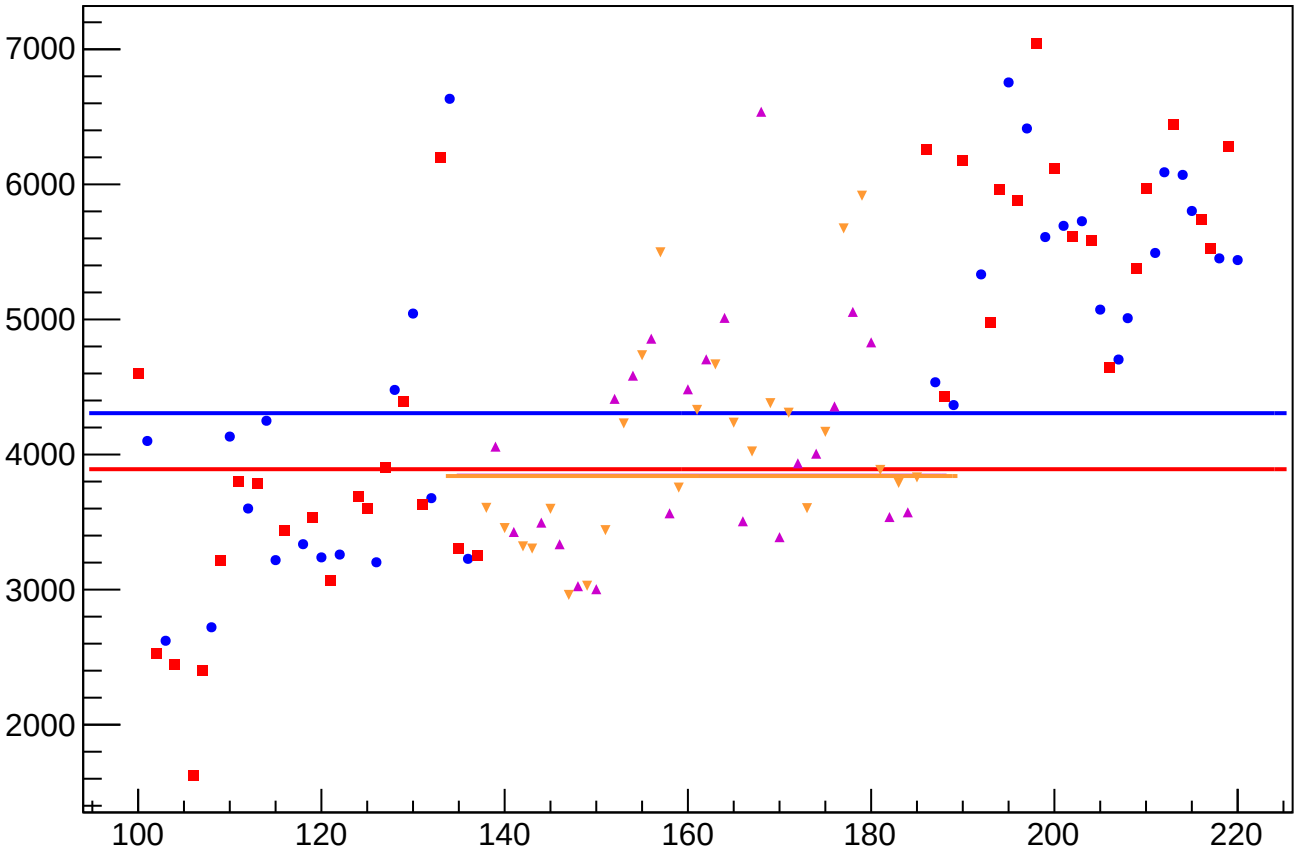
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 61.870+/-664.292 χ^2/NDF: 80.8/68

In: -80.877+/-668.351 χ^2/NDF:52.8/55

Out: 170.823+/-635.182 χ^2/NDF:69.4/60

All: 51.373+/-460.421 χ^2/NDF: 122.3/116



Right In: 4306.247+/-0.691 χ^2/NDF: 3036408.9/32

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3891.464+/-0.640 χ^2/NDF: 5345042.0/35

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

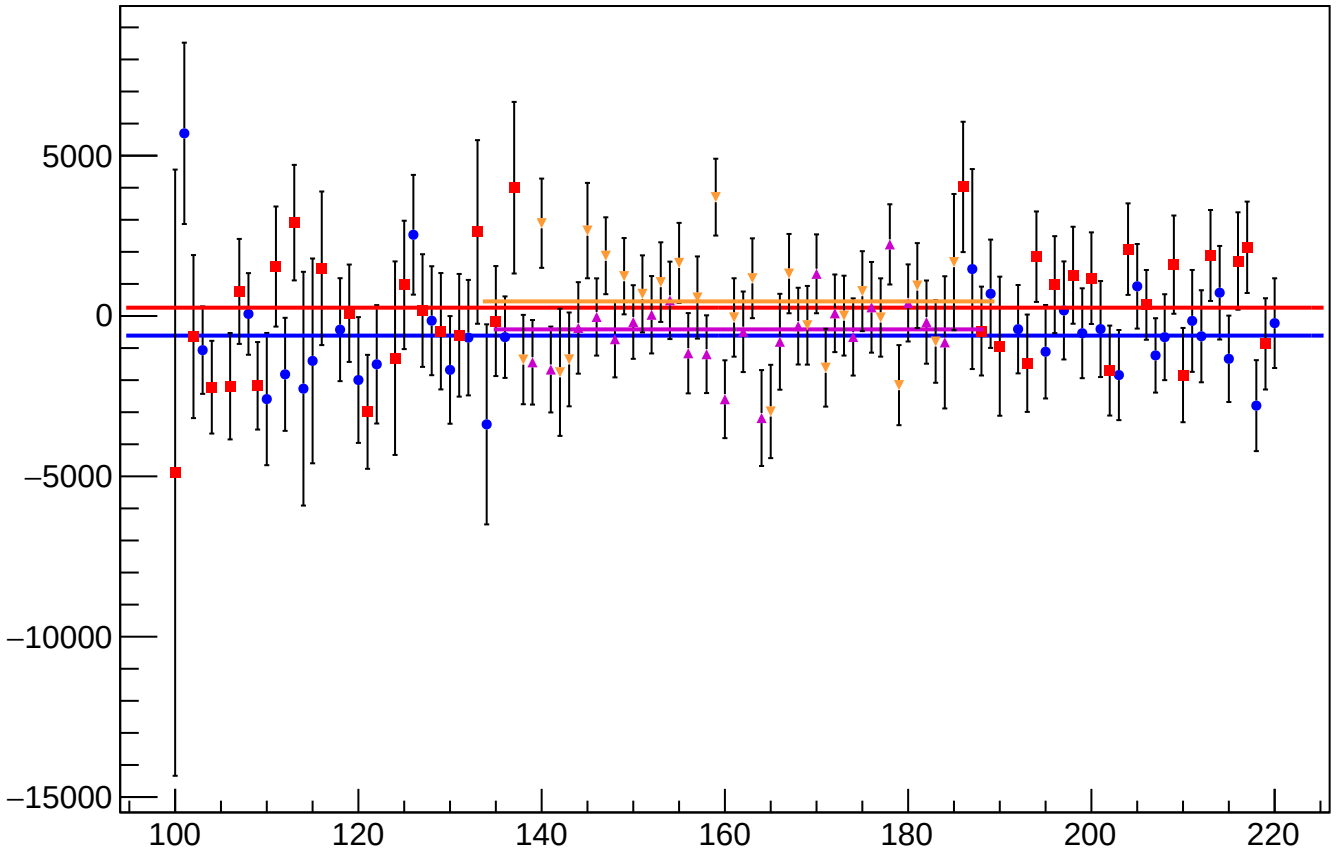
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 4082.942+/-0.470 χ^2/NDF: 8575239.6/68

In: 4059.646+/-0.473 χ^2/NDF:4471307.1/55

Out: 3865.753+/-0.449 χ^2/NDF:6466885.0/60

All: 3957.769+/-0.326 χ^2/NDF: 11026634.8/1



Right In: -611.615+/-276.312 χ^2/NDF: 19.4/32

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 259.607+/-274.955 χ^2/NDF: 37.2/35

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

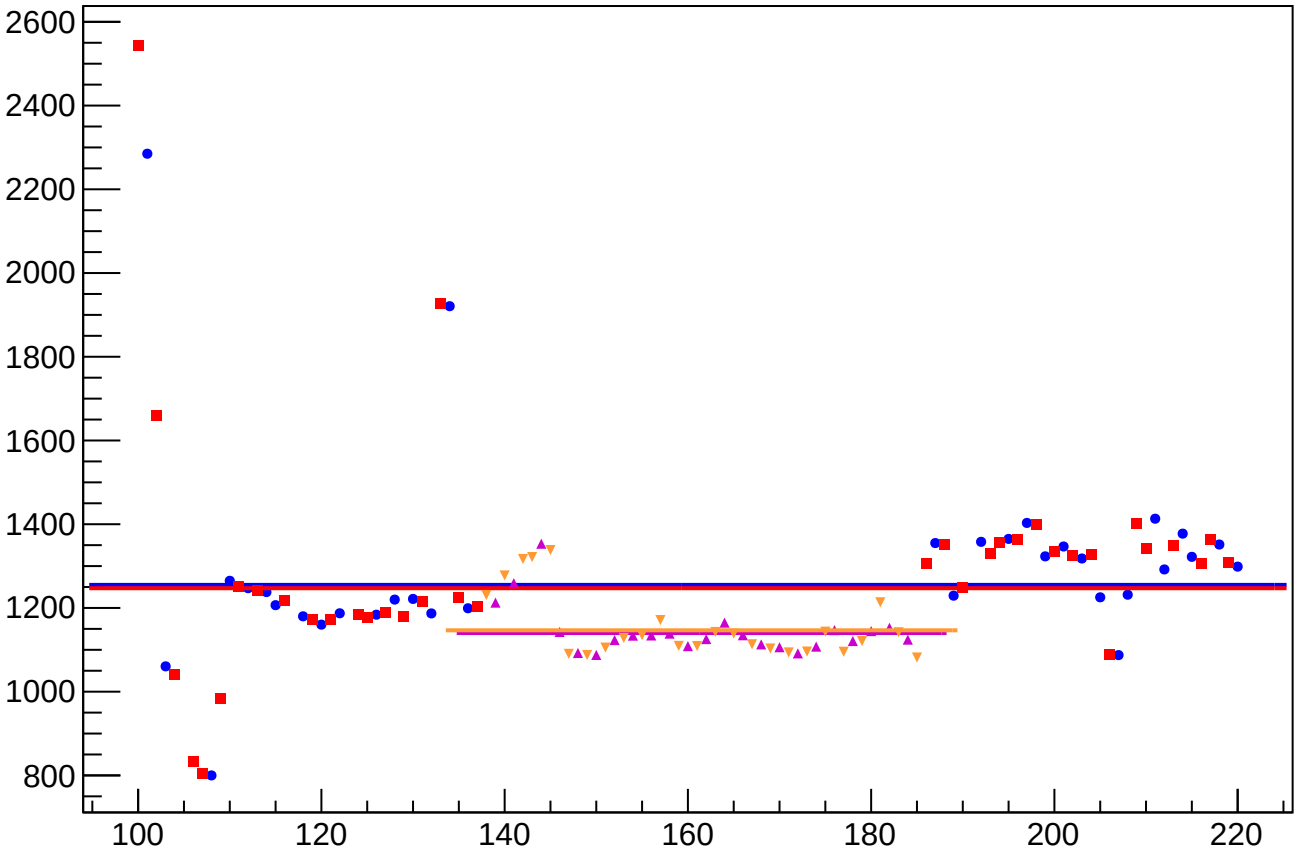
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -173.858+/-194.901 χ^2/NDF: 61.7/68

In: -510.925+/-191.850 χ^2/NDF:37.0/55

Out: 362.762+/-189.298 χ^2/NDF:73.7/60

All: -68.232+/-134.747 χ^2/NDF: 121.2/116



Right In: 1255.074+/-0.195 χ^2/NDF: 831342.4/32

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1247.126+/-0.194 χ^2/NDF: 794680.0/35

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

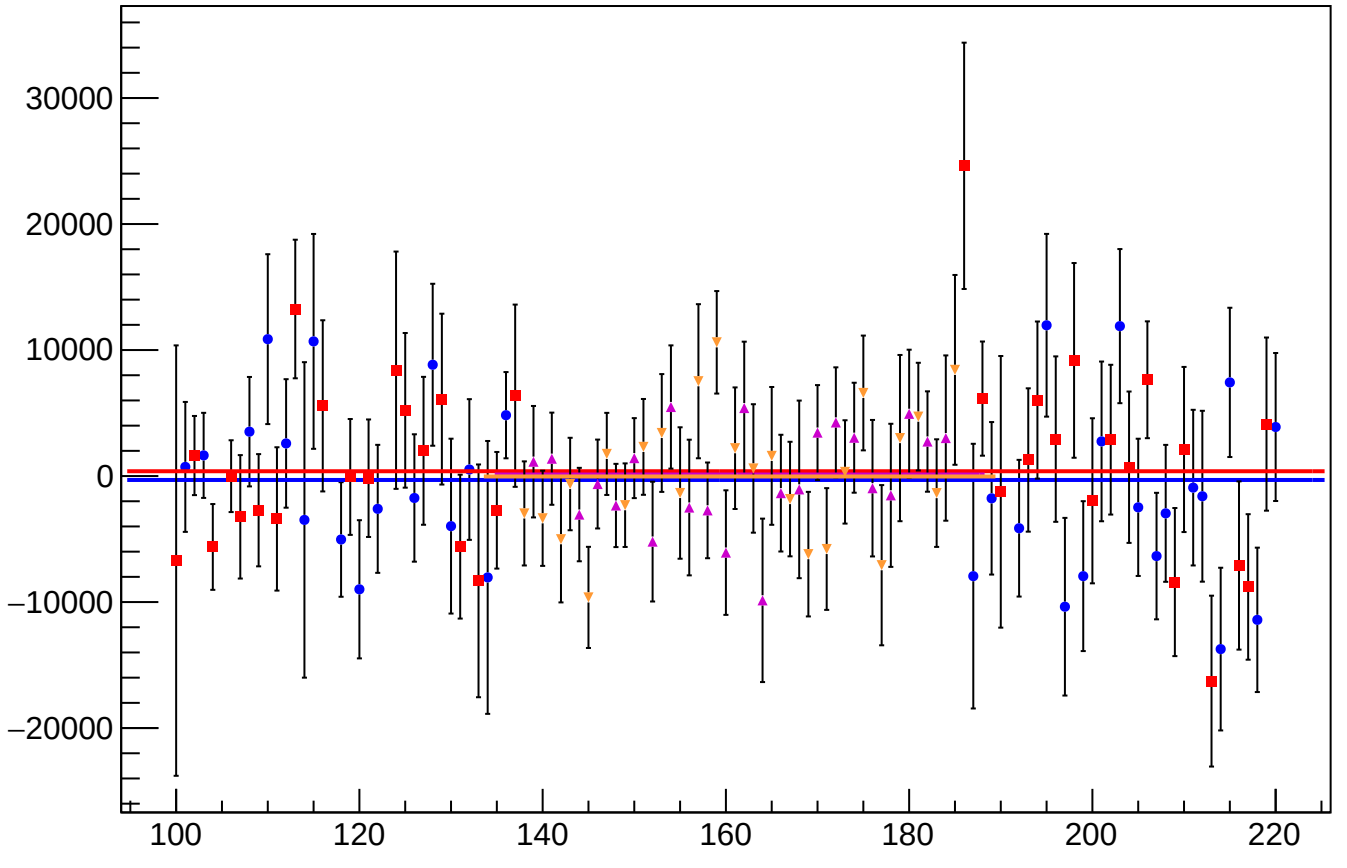
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1251.080+/-0.138 χ^2/NDF: 1626853.8/68

In: 1195.562+/-0.136 χ^2/NDF:1095208.8/55

Out: 1194.265+/-0.134 χ^2/NDF:1076307.8/60

All: 1194.905+/-0.095 χ^2/NDF: 2171562.9/11



Right In: -311.080+/-977.710 χ^2/NDF: 39.0/32

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 381.654+/-905.357 χ^2/NDF: 41.5/35

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

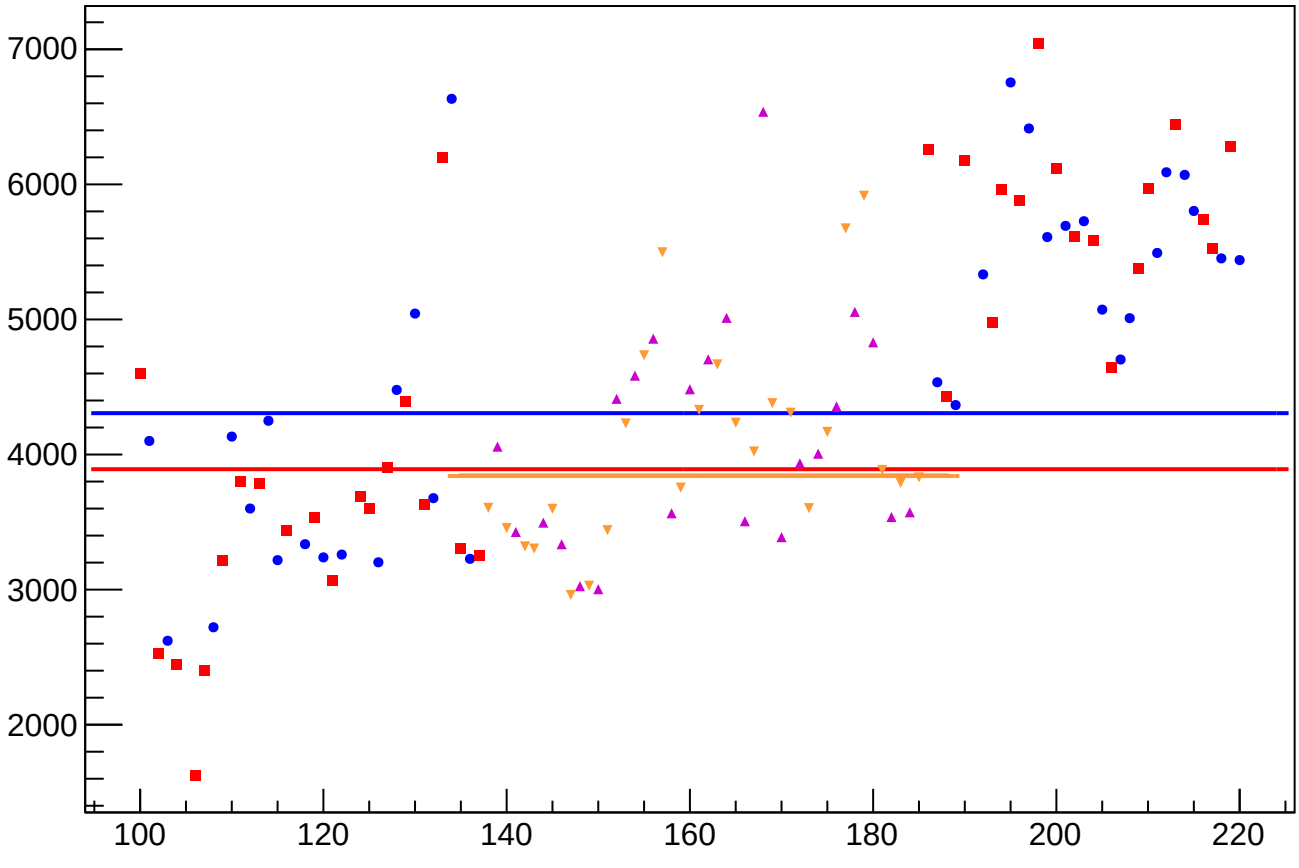
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 61.864+/-664.292 χ^2/NDF: 80.8/68

In: -80.879+/-668.351 χ^2/NDF:52.8/55

Out: 170.821+/-635.182 χ^2/NDF:69.4/60

All: 51.371+/-460.421 χ^2/NDF: 122.3/116



Right In: 4306.245+/-0.691 χ^2/NDF: 3036422.9/32

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3891.460+/-0.640 χ^2/NDF: 5345073.8/35

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

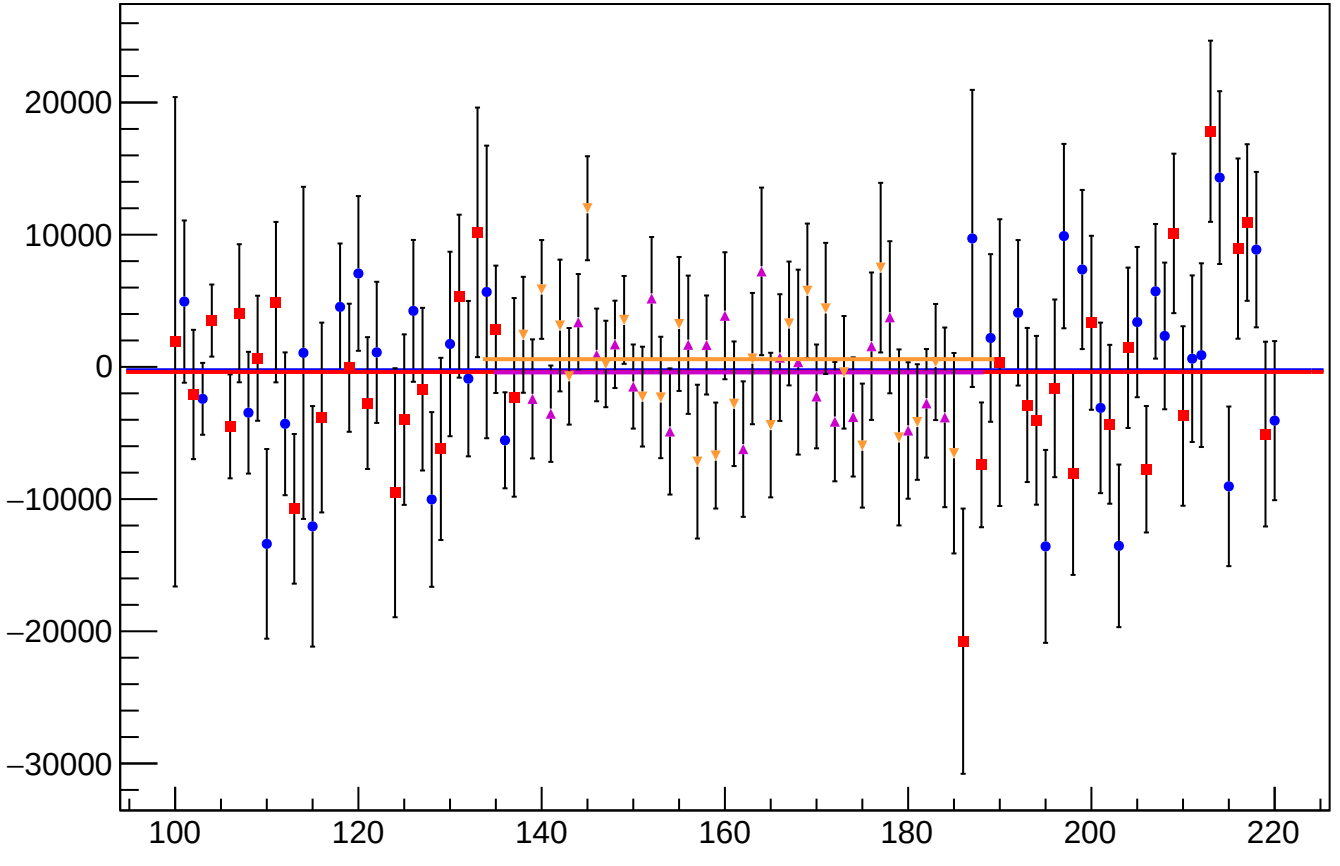
Right: 4082.939+/-0.470 χ^2/NDF: 8575287.8/68

In: 4059.649+/-0.473 χ^2/NDF:4471317.8/55

Out: 3865.754+/-0.449 χ^2/NDF:6466917.4/60

All: 3957.771+/-0.326 χ^2/NDF: 11026679.0/1

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -253.063+/-990.810 χ^2/NDF: 40.9/32

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -381.368+/-959.440 χ^2/NDF: 40.6/35

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

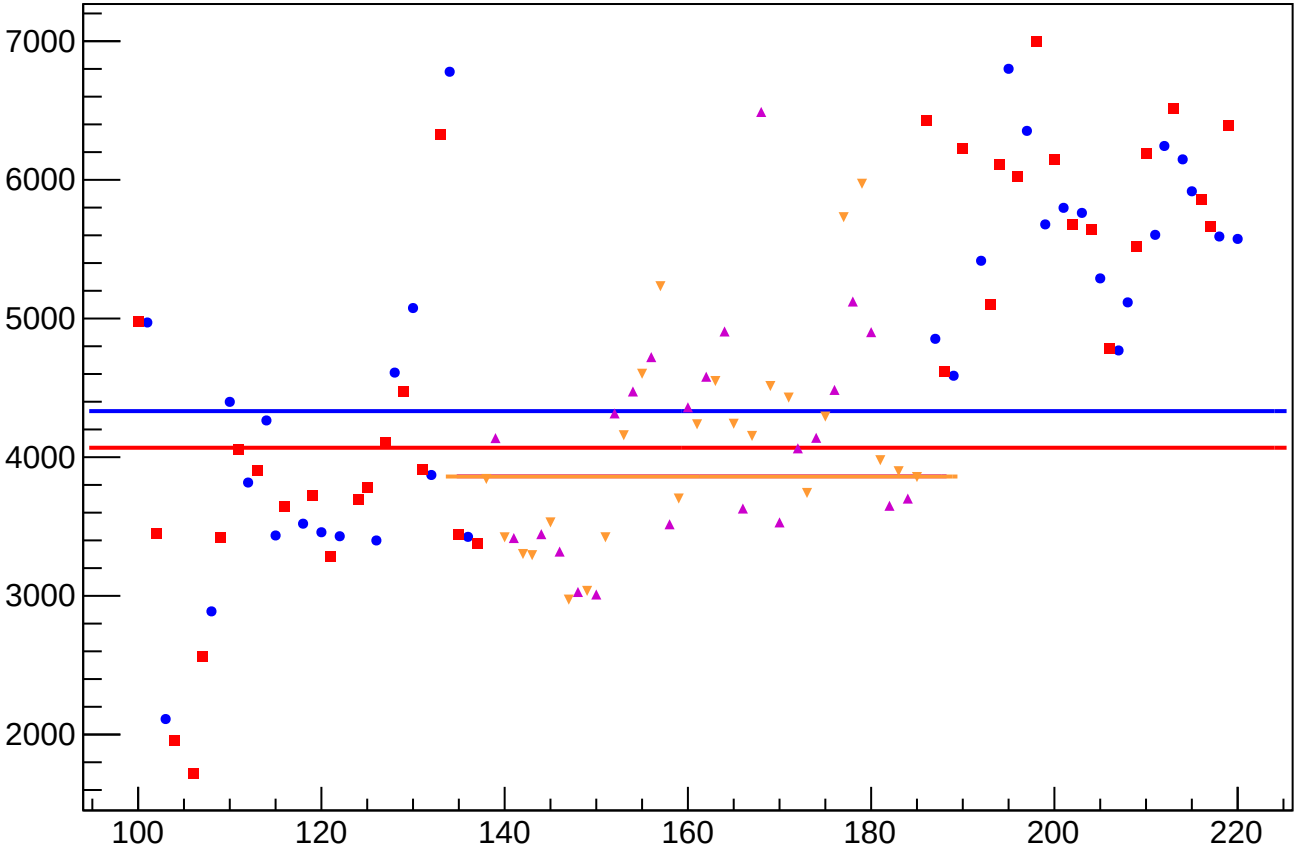
Right: -319.279+/-689.250 χ^2/NDF: 81.6/68

In: -341.081+/-673.791 χ^2/NDF:53.4/55

Out: 134.489+/-654.418 χ^2/NDF:68.6/60

All: -96.361+/-469.443 χ^2/NDF: 122.3/116

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 4332.280+/-0.701 χ^2/NDF: 3678332.1/32

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 4068.099+/-0.671 χ^2/NDF: 5197265.0/35

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

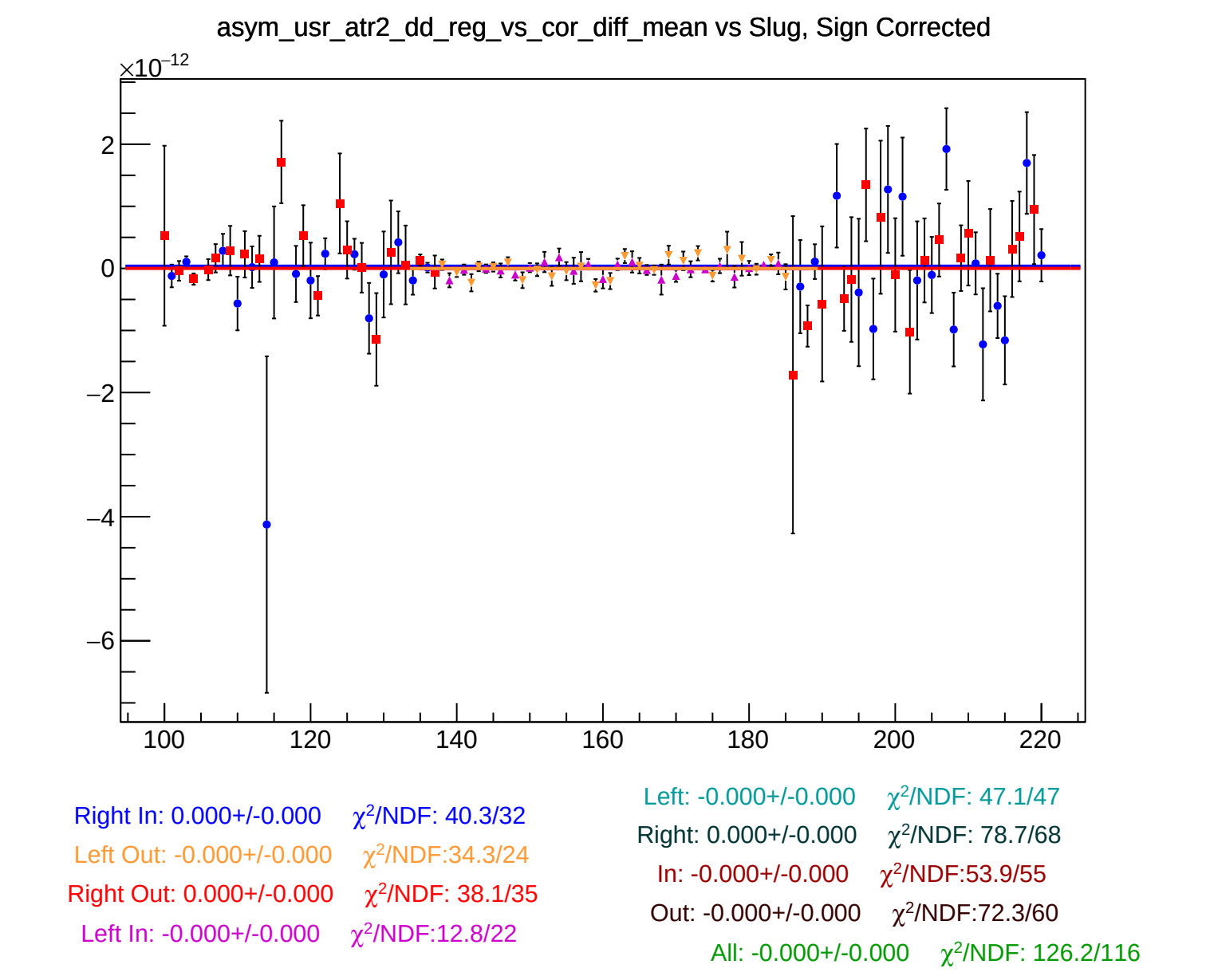
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

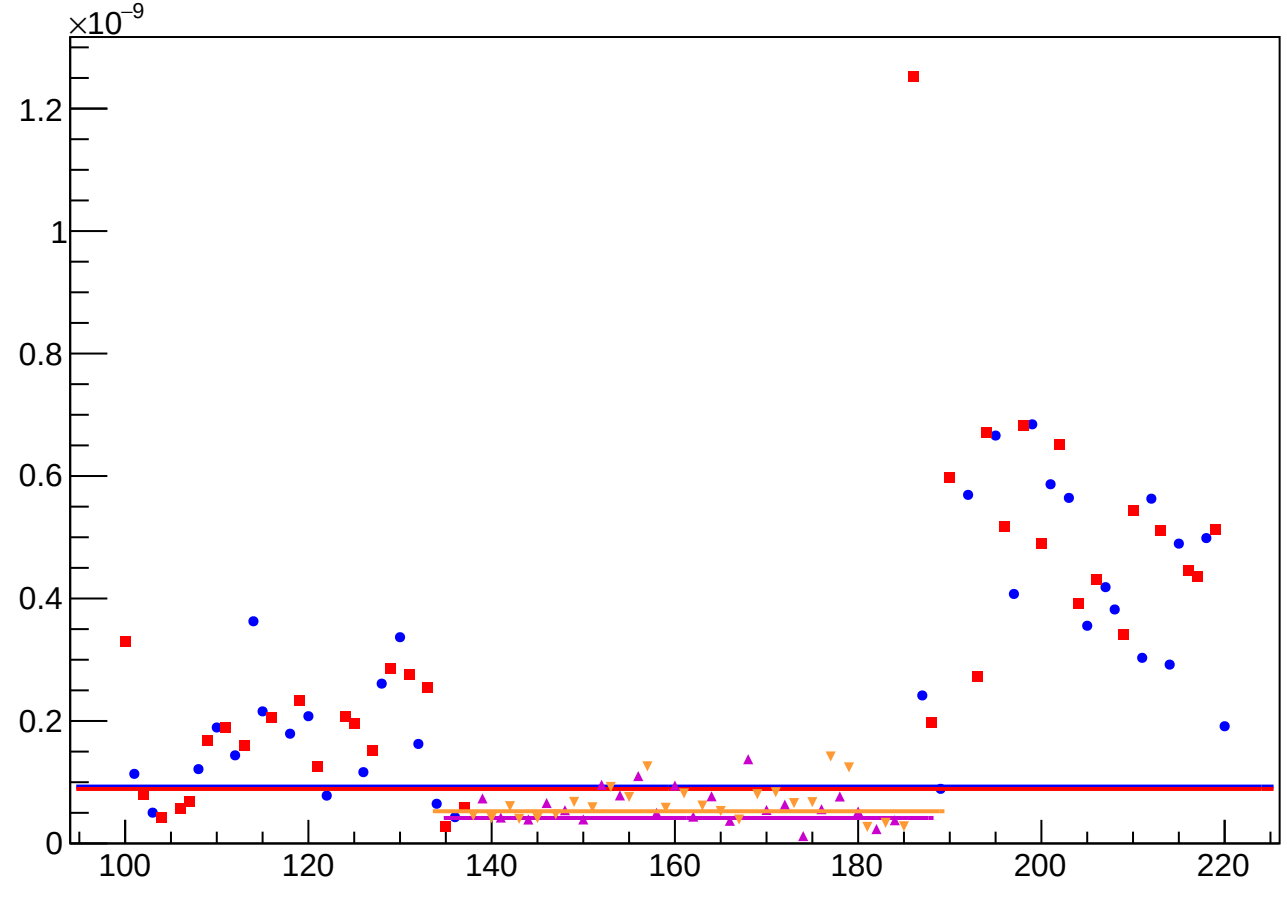
Right: 4194.565+/-0.485 χ^2/NDF: 8949717.0/68

In: 4079.666+/-0.476 χ^2/NDF:5062364.8/55

Out: 3958.181+/-0.460 χ^2/NDF:6345172.9/60

All: 4016.856+/-0.331 χ^2/NDF: 11441152.7/1


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 40.3/32
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 38.1/35
Left In: -0.000+/-0.000 χ²/NDF:12.8/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/47
Right: 0.000+/-0.000 χ²/NDF: 78.7/68
In: -0.000+/-0.000 χ²/NDF:53.9/55
Out: -0.000+/-0.000 χ²/NDF:72.3/60
All: -0.000+/-0.000 χ²/NDF: 126.2/116



Right In: 0.000+/-0.000 χ^2/NDF: 9123083.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10577034.3/35

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

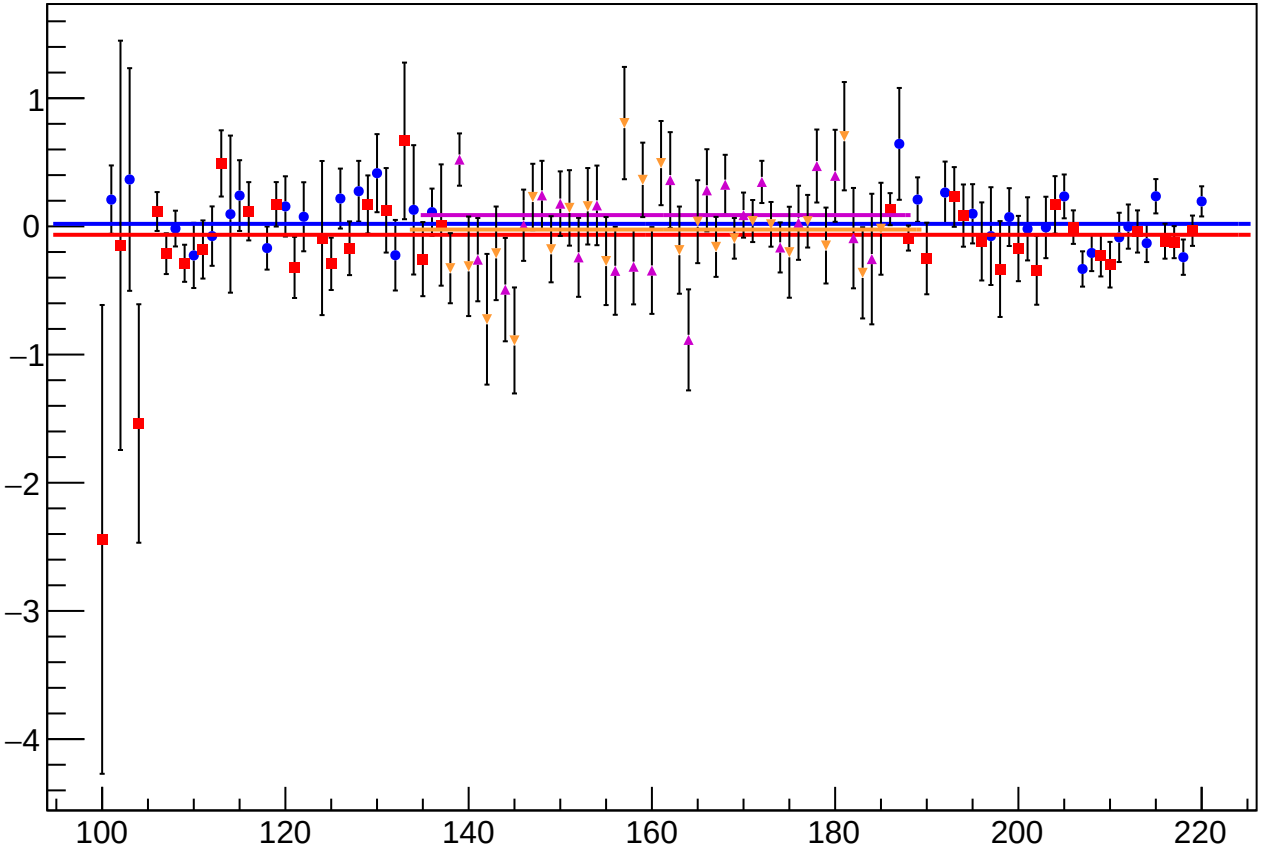
Right: 0.000+/-0.000 χ^2/NDF: 19706865.6/68

In: 0.000+/-0.000 χ^2/NDF:14140416.6/55

Out: 0.000+/-0.000 χ^2/NDF:13164309.6/60

All: 0.000+/-0.000 χ^2/NDF: 27559443.8/116

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.035 χ^2/NDF: 33.7/32

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

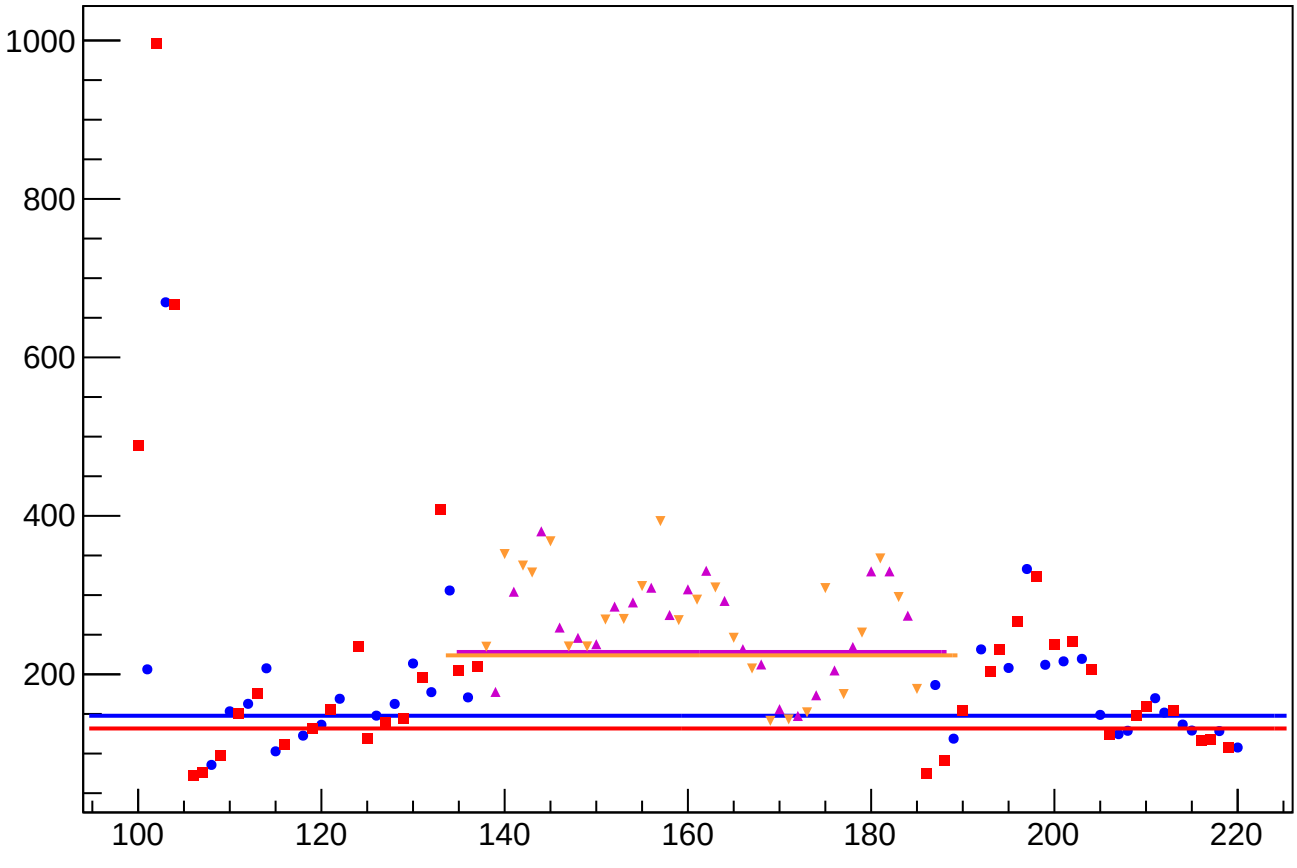
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.026+/-0.024 χ^2/NDF: 70.5/68

In: 0.038+/-0.030 χ^2/NDF:64.8/55

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.011+/-0.020 χ^2/NDF: 128.1/116



Right In: 147.709+/-0.024 χ^2/NDF: 3569765.2/32

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.646+/-0.023 χ^2/NDF: 6220879.1/35

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

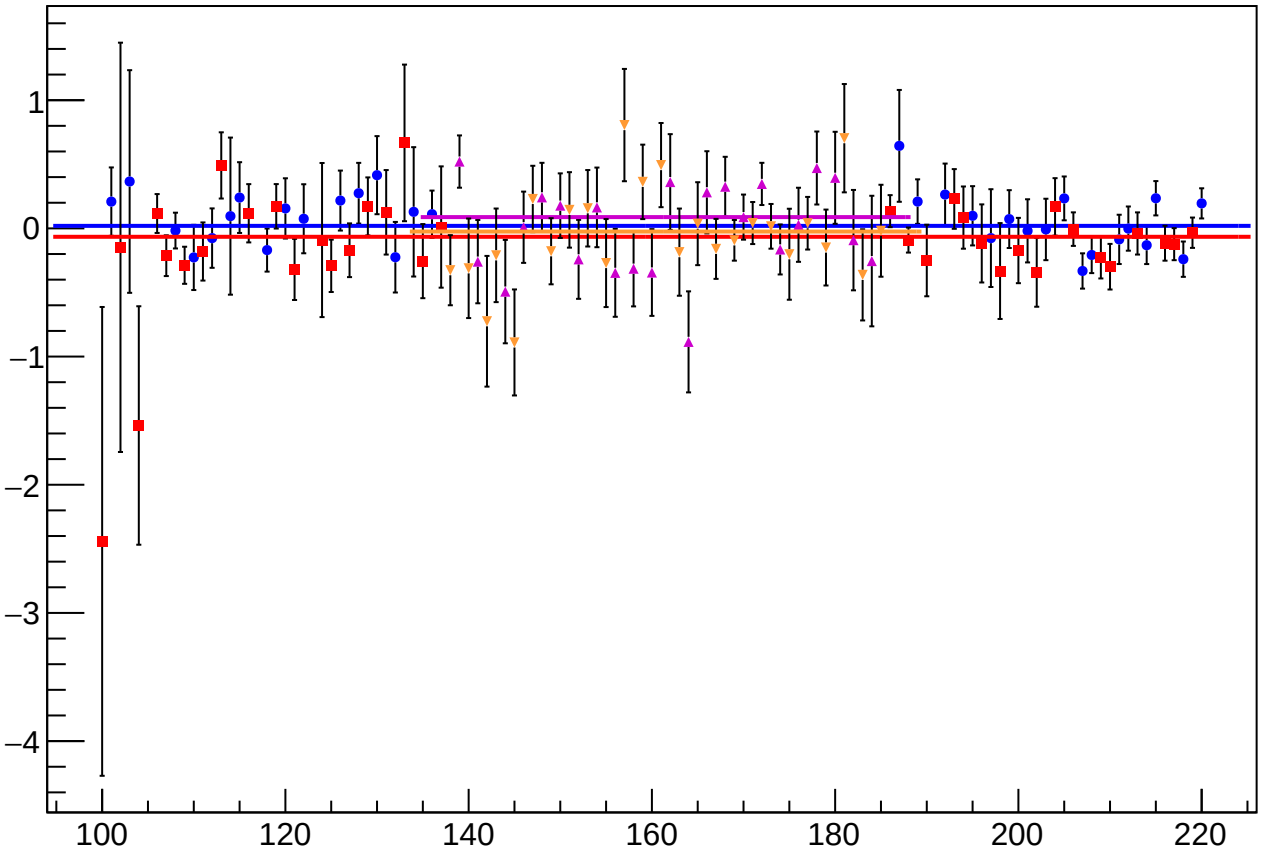
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 139.074+/-0.017 χ^2/NDF: 10022722.8/68

In: 169.548+/-0.021 χ^2/NDF:8999973.4/55

Out: 155.316+/-0.020 χ^2/NDF:13908961.7/60

All: 161.969+/-0.014 χ^2/NDF: 23156604.3/1



Right In: 0.020+/-0.035 χ^2/NDF: 33.7/32

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

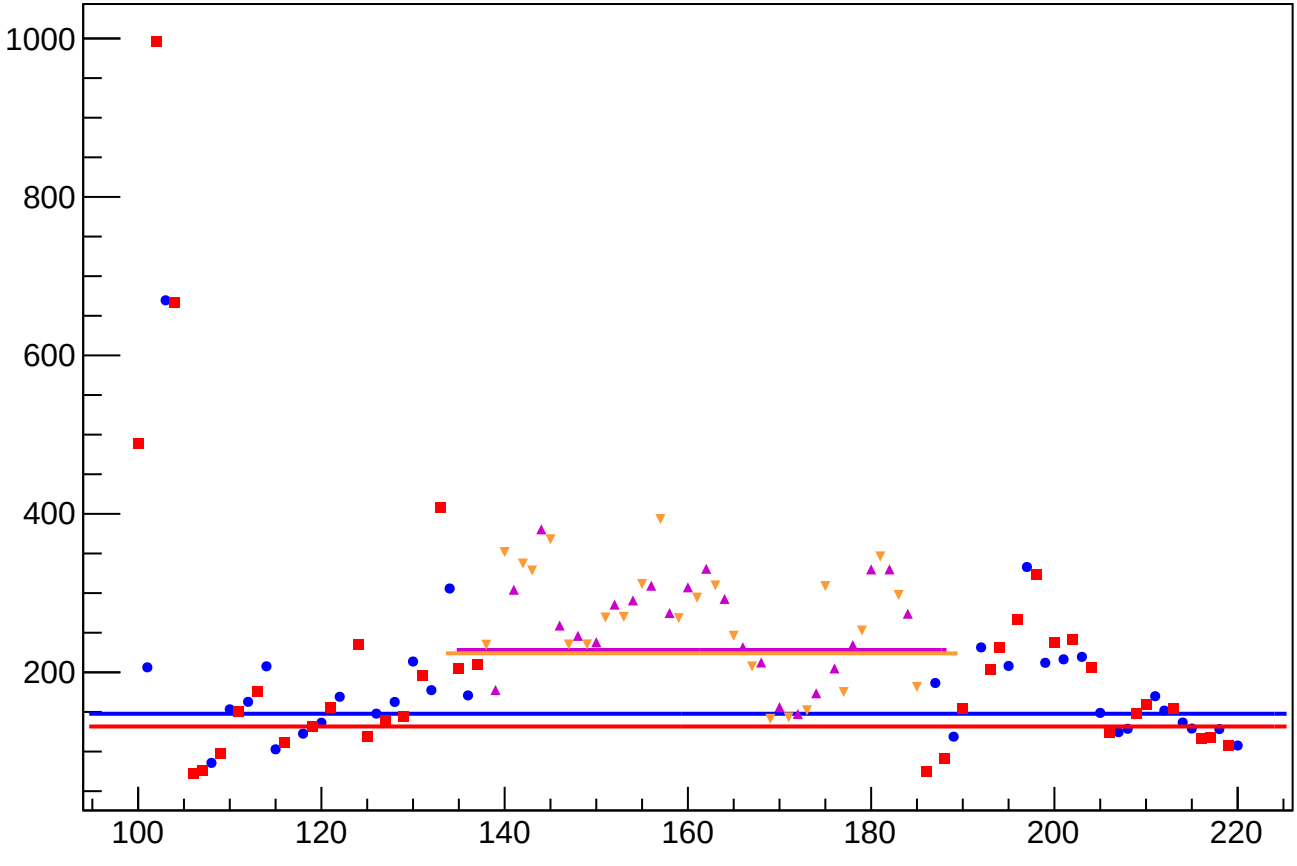
Right: -0.026+/-0.024 χ^2/NDF: 70.5/68

In: 0.038+/-0.030 χ^2/NDF:64.8/55

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.011+/-0.020 χ^2/NDF: 128.1/116

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.709+/-0.024 χ^2/NDF: 3569765.2/32

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.646+/-0.023 χ^2/NDF: 6220879.1/35

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

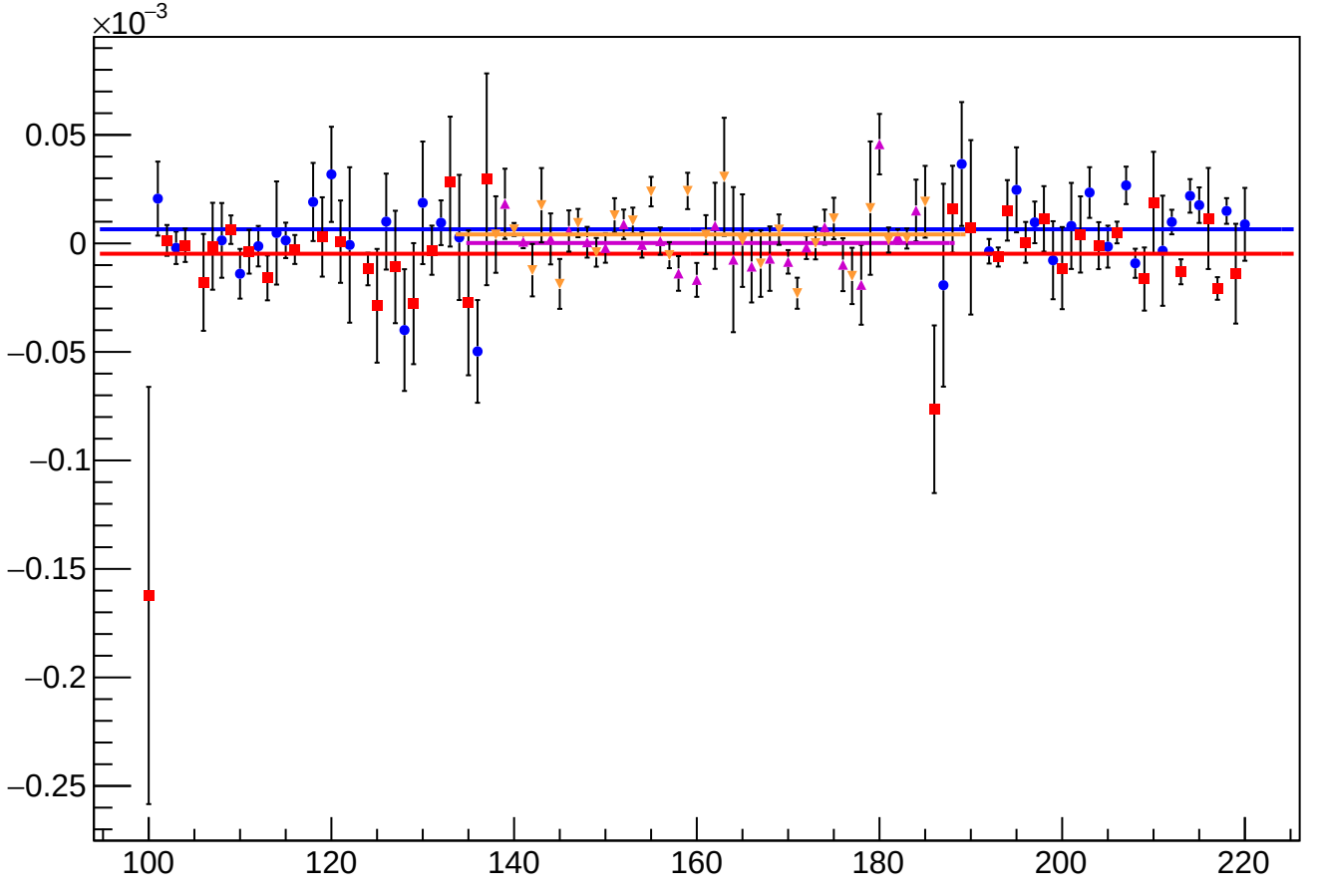
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 139.074+/-0.017 χ^2/NDF: 10022722.8/68

In: 169.548+/-0.021 χ^2/NDF:8999973.4/55

Out: 155.316+/-0.020 χ^2/NDF:13908961.7/60

All: 161.969+/-0.014 χ^2/NDF: 23156604.3/1



Right In: 0.000+/-0.000 χ^2/NDF: 45.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.4/35

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

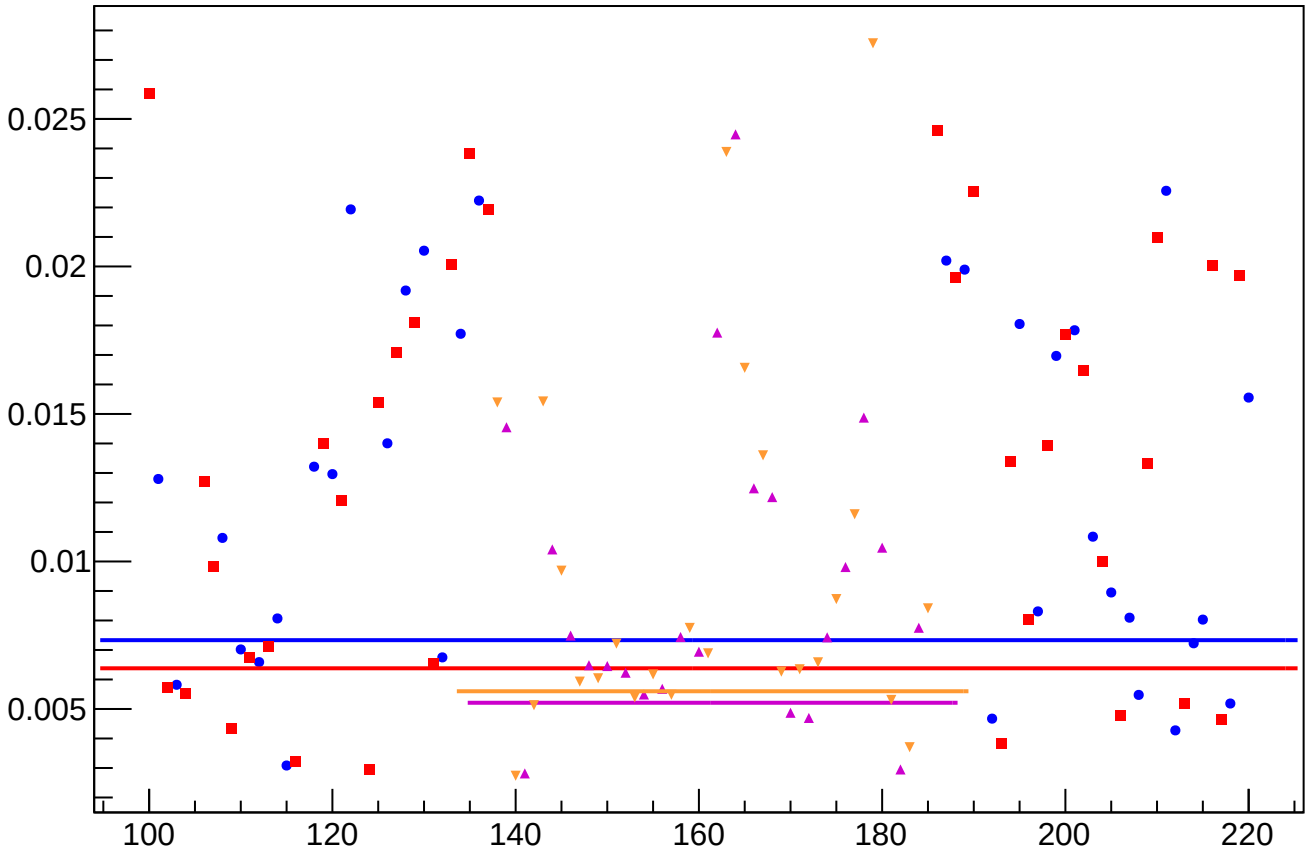
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: 0.000+/-0.000 χ^2/NDF: 104.8/68

In: 0.000+/-0.000 χ^2/NDF:82.5/55

Out: 0.000+/-0.000 χ^2/NDF:104.2/60

All: 0.000+/-0.000 χ^2/NDF: 188.7/116



Right In: 0.007+/-0.000 χ^2/NDF: 8841214.5/32

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 12122411.8/35

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

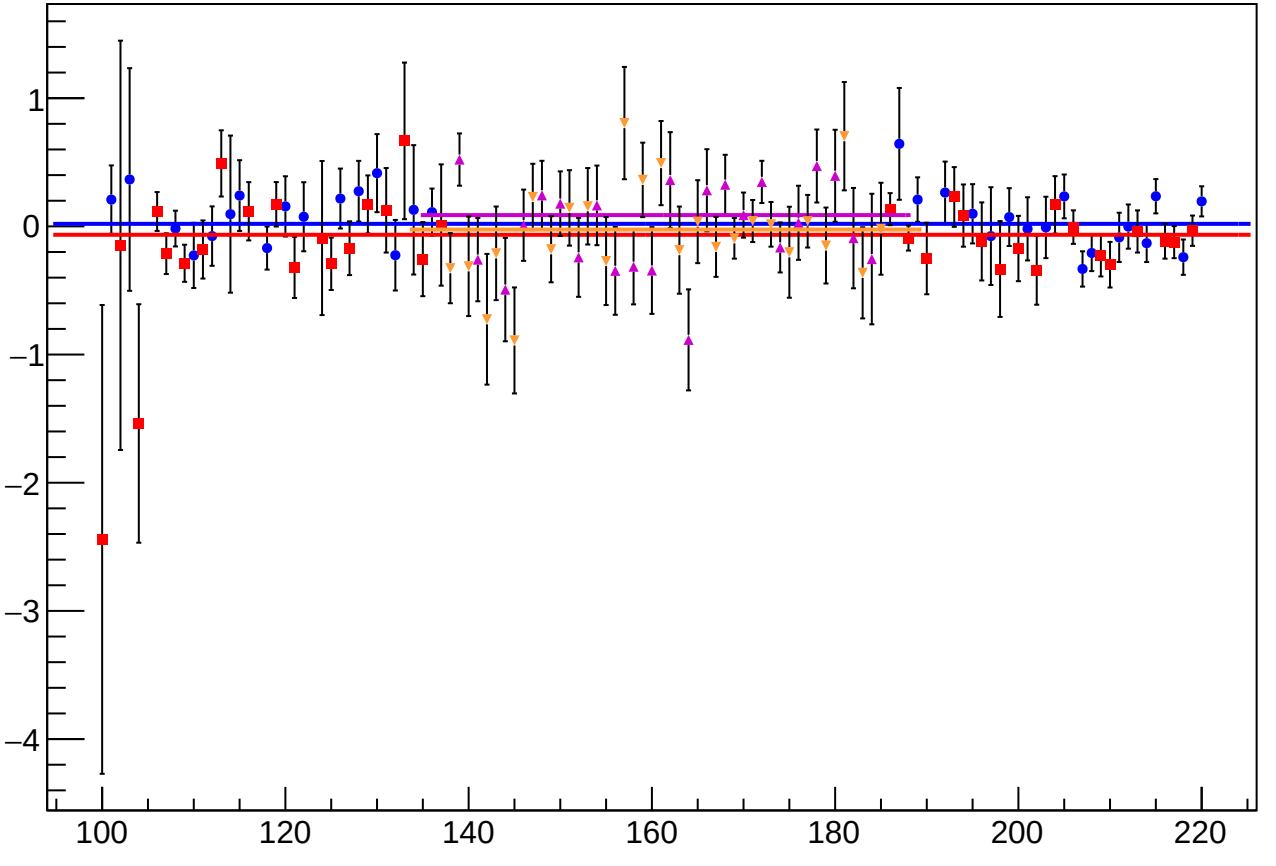
Right: 0.007+/-0.000 χ^2/NDF: 21250485.6/68

In: 0.006+/-0.000 χ^2/NDF:17923421.8/55

Out: 0.006+/-0.000 χ^2/NDF:20134173.9/60

All: 0.006+/-0.000 χ^2/NDF: 38060252.3/116

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.035 χ^2/NDF: 33.7/32

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

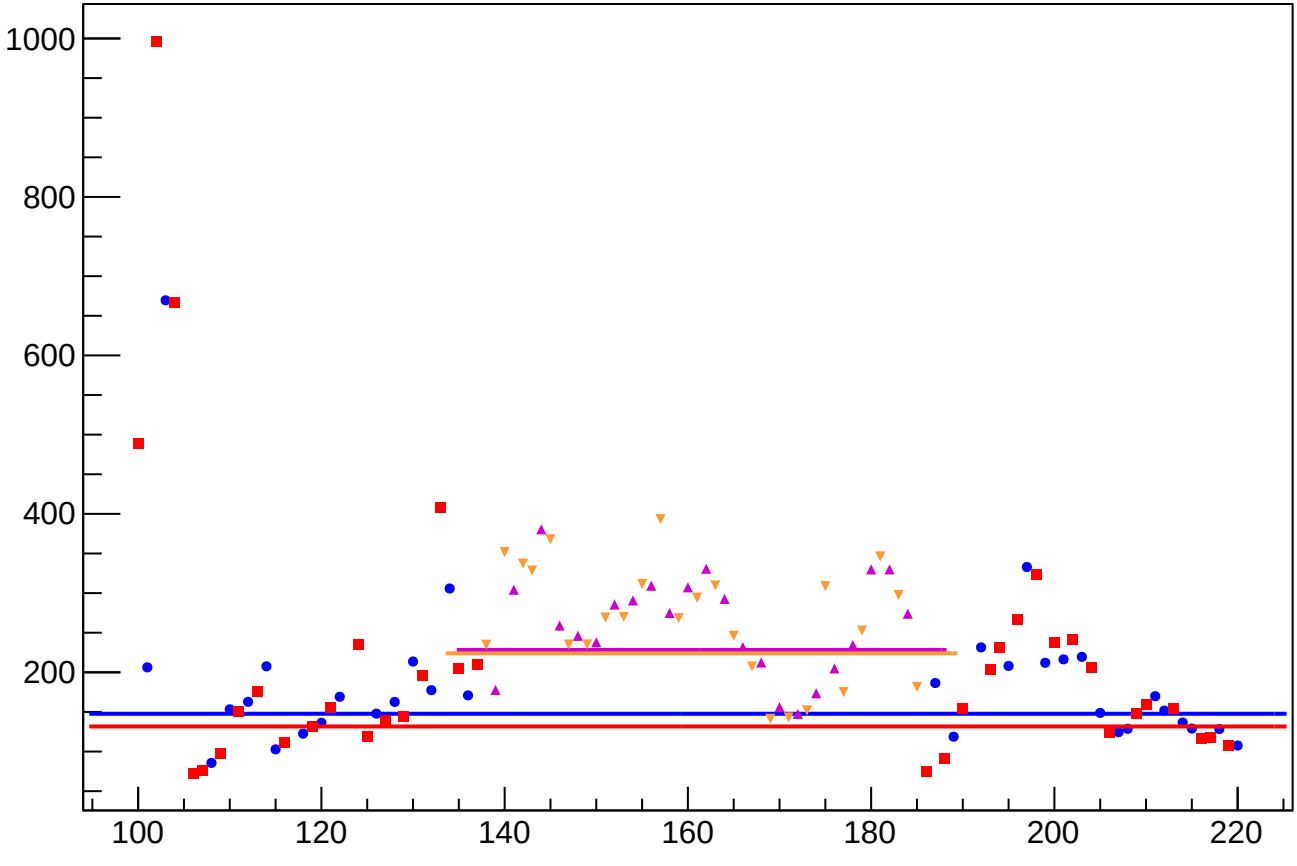
Right: -0.026+/-0.024 χ^2/NDF: 70.5/68

In: 0.038+/-0.030 χ^2/NDF:64.8/55

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.011+/-0.020 χ^2/NDF: 128.1/116

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.707+/-0.024 χ^2/NDF: 3569923.8/32

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

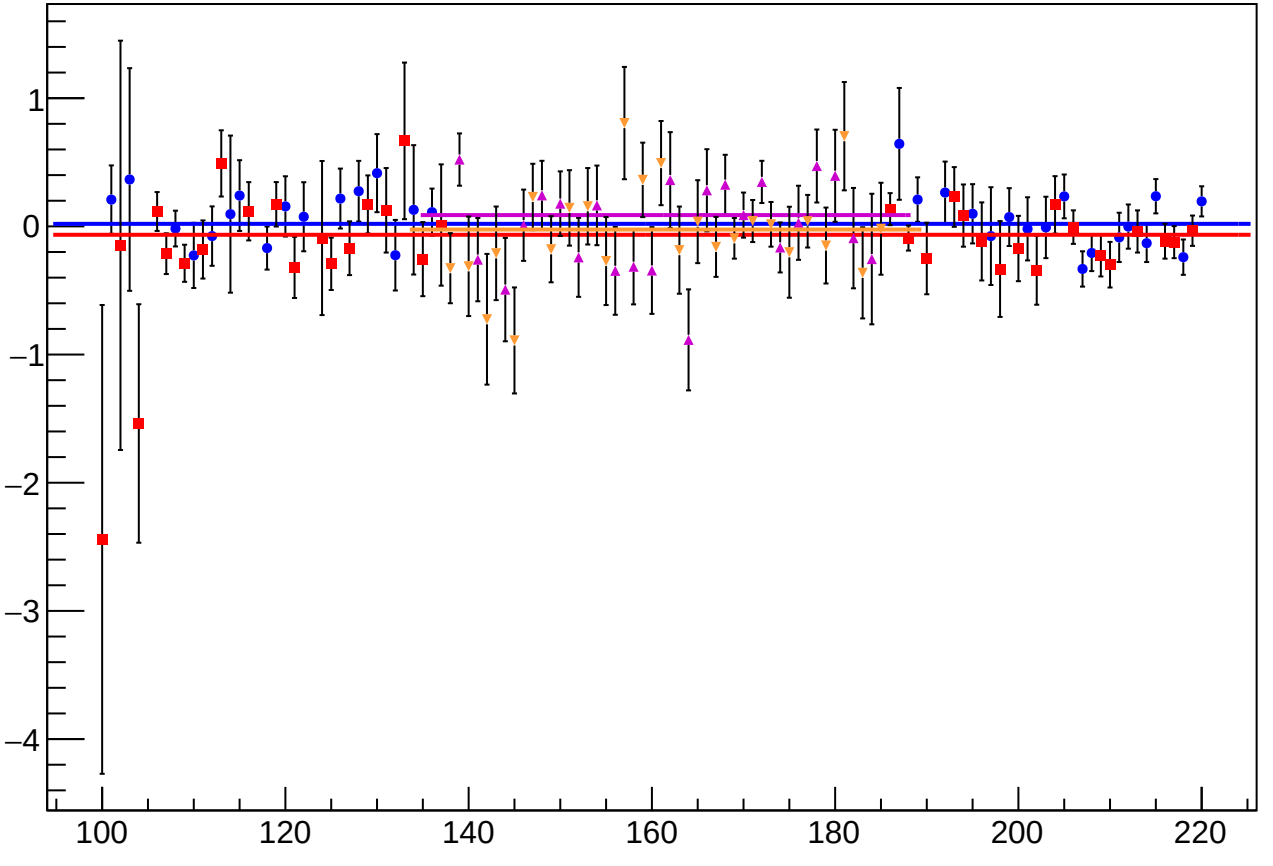
Right: 139.075+/-0.017 χ^2/NDF: 10022198.5/68

In: 169.546+/-0.021 χ^2/NDF:9000418.7/55

Out: 155.320+/-0.020 χ^2/NDF:13908270.1/60

All: 161.970+/-0.014 χ^2/NDF: 23156194.4/1

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.035 χ^2/NDF: 33.7/32

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

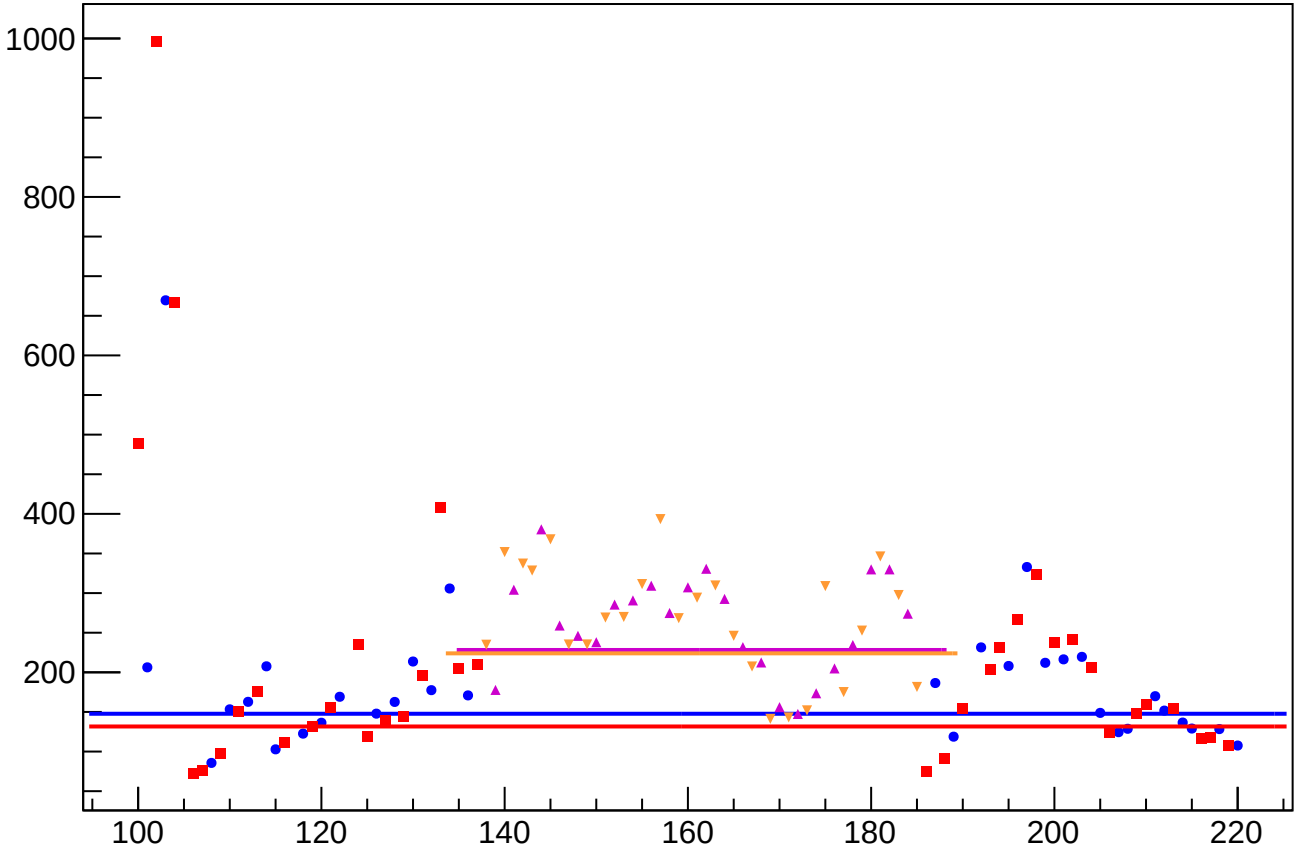
Right: -0.026+/-0.024 χ^2/NDF: 70.5/68

In: 0.038+/-0.030 χ^2/NDF:64.8/55

Out: -0.055+/-0.028 χ^2/NDF:58.0/60

All: -0.011+/-0.020 χ^2/NDF: 128.1/116

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.707+/-0.024 χ^2/NDF: 3569923.8/32

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

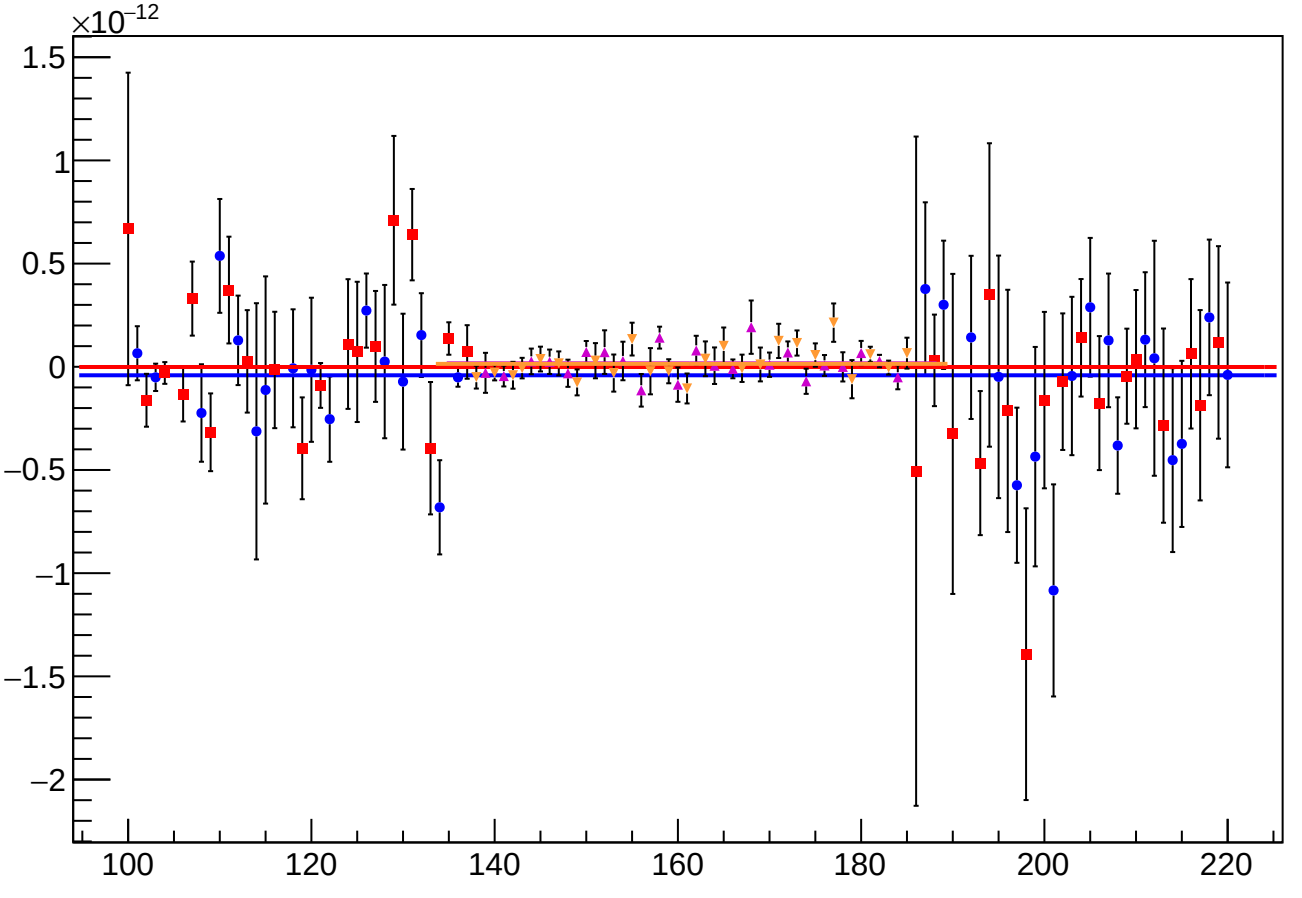
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 139.075+/-0.017 χ^2/NDF: 10022198.5/68

In: 169.546+/-0.021 χ^2/NDF:9000418.7/55

Out: 155.320+/-0.020 χ^2/NDF:13908270.1/60

All: 161.970+/-0.014 χ^2/NDF: 23156194.4/1



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/35

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

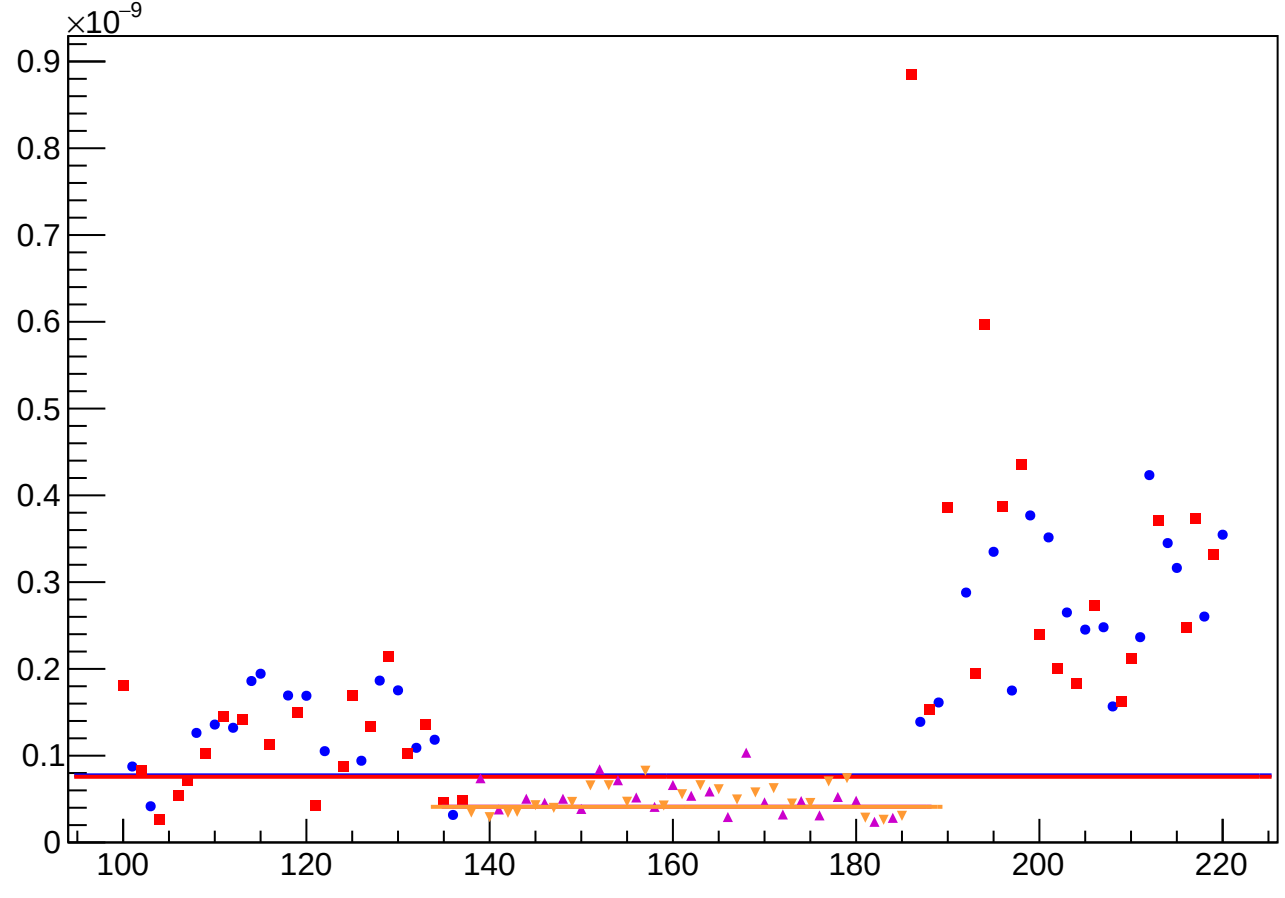
Right: -0.000+/-0.000 χ^2/NDF: 74.8/68

In: 0.000+/-0.000 χ^2/NDF:59.2/55

Out: 0.000+/-0.000 χ^2/NDF:65.1/60

All: 0.000+/-0.000 χ^2/NDF: 124.4/116

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12065112.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11774226.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

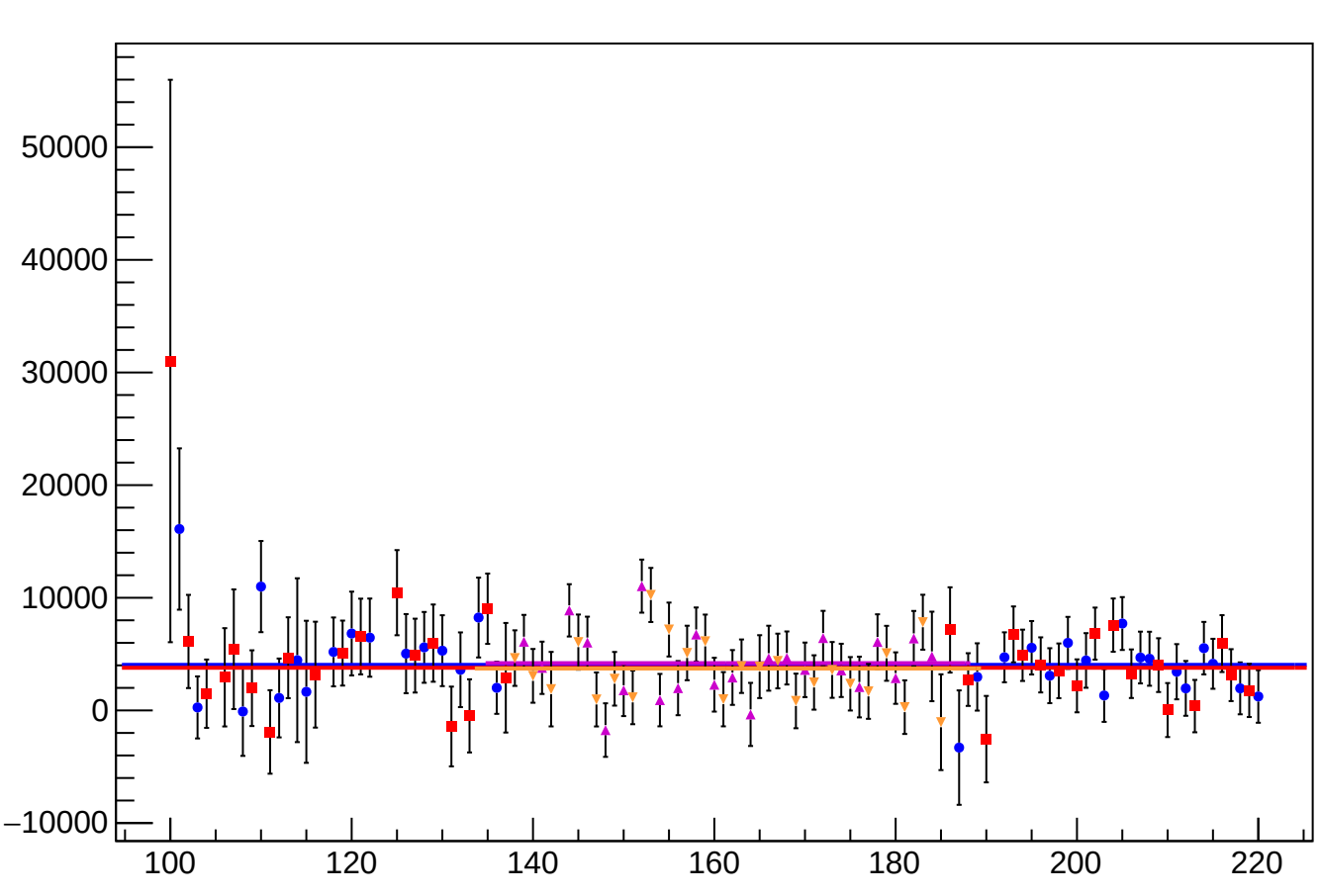
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 23842284.0/68

In: 0.000+/-0.000 χ^2/NDF:17347057.2/55

Out: 0.000+/-0.000 χ^2/NDF:16690733.4/60

All: 0.000+/-0.000 χ^2/NDF: 34039933.1/116



Right In: 4043.783+/-488.816 χ^2/NDF: 24.5/32

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 3785.844+/-490.794 χ^2/NDF: 32.6/34

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

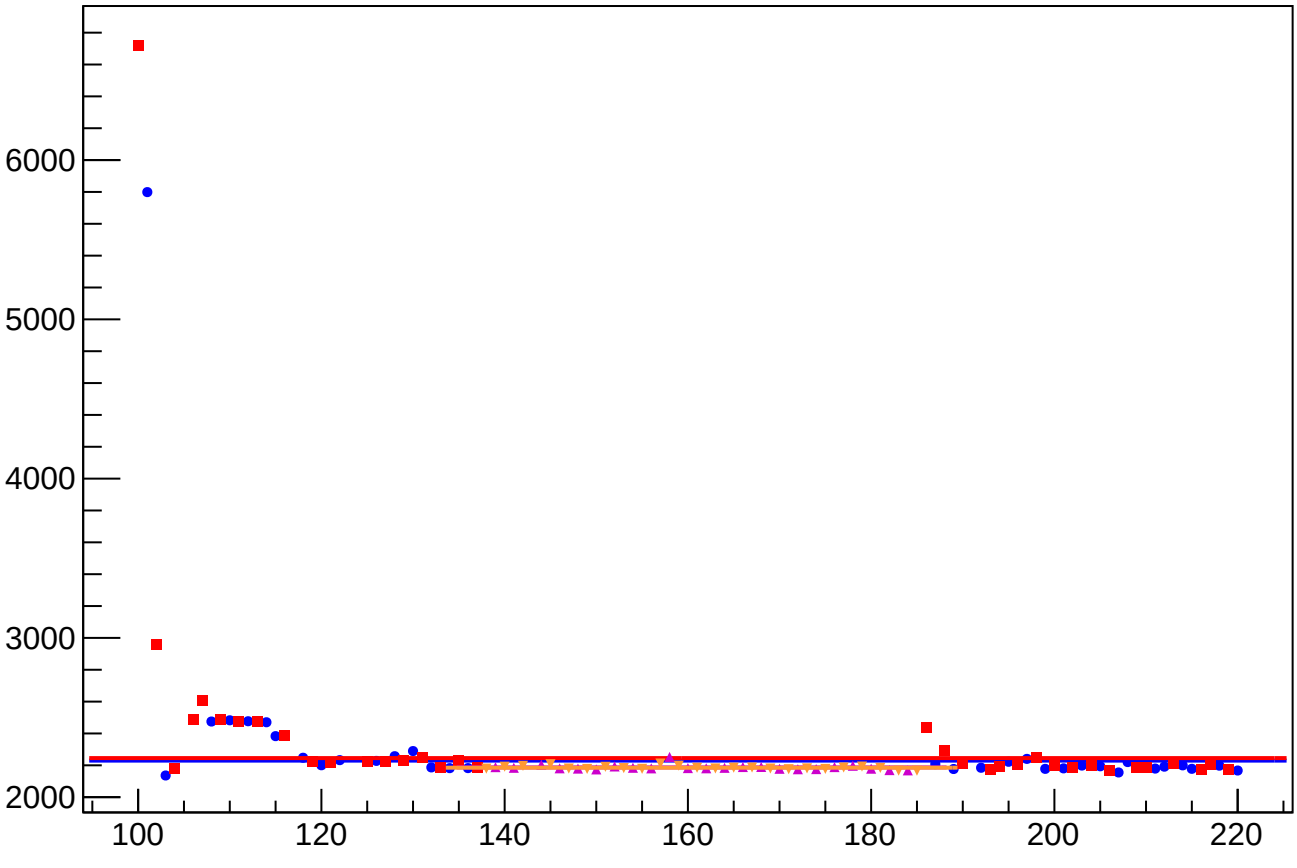
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 3915.335+/-346.342 χ^2/NDF: 57.2/67

In: 4116.551+/-353.088 χ^2/NDF:56.6/55

Out: 3755.687+/-352.686 χ^2/NDF:58.0/58

All: 3935.914+/-249.529 χ^2/NDF: 115.2/114



Right In: 2229.583+/-0.346 χ^2/NDF: 541566.0/32

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2245.327+/-0.347 χ^2/NDF: 191911.6/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

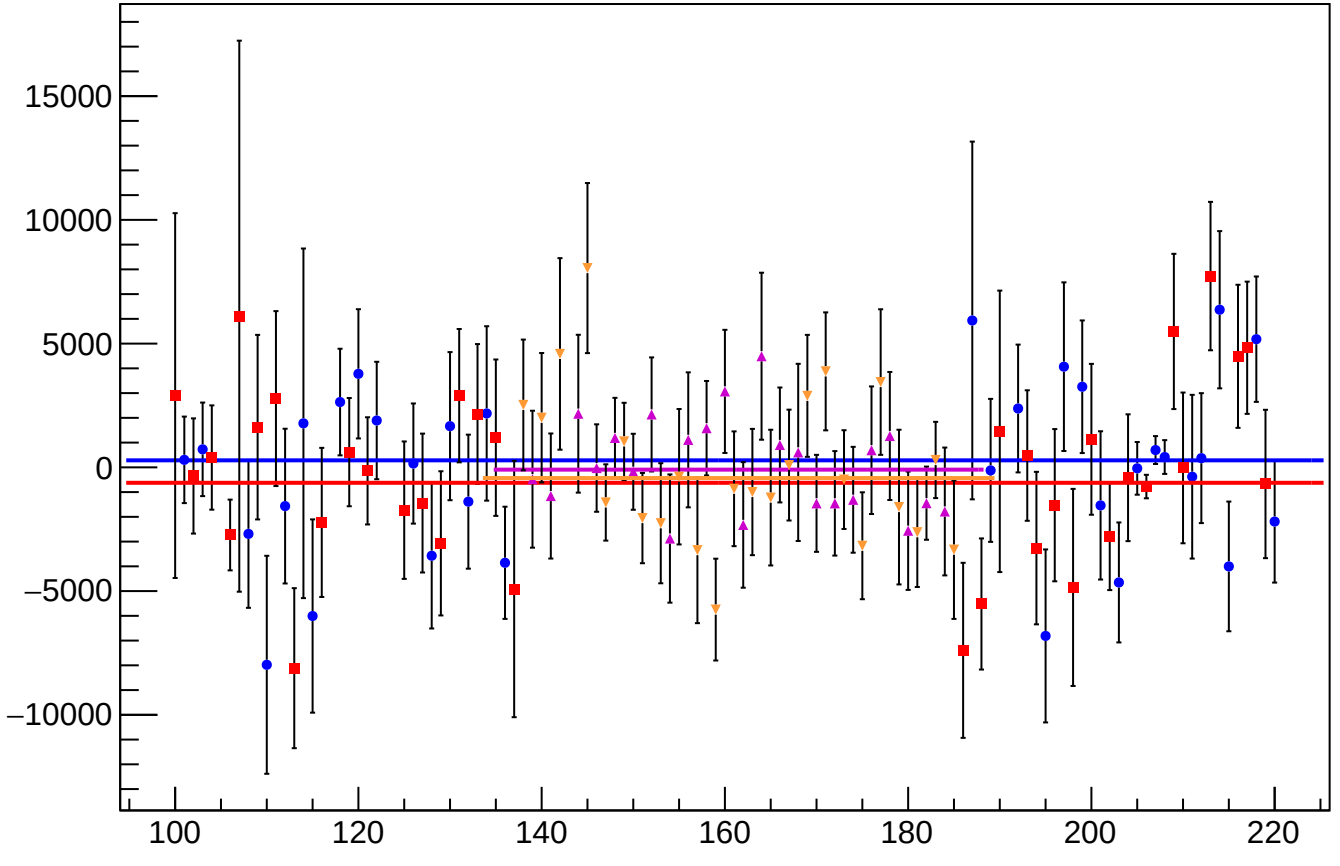
Right: 2237.423+/-0.245 χ^2/NDF: 734510.7/67

In: 2209.097+/-0.250 χ^2/NDF:550975.7/55

Out: 2216.216+/-0.249 χ^2/NDF:207275.7/58

All: 2212.661+/-0.176 χ^2/NDF: 758658.5/114

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 283.146+/-313.684 χ^2/NDF: 41.1/32

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -624.293+/-337.816 χ^2/NDF: 44.7/34

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

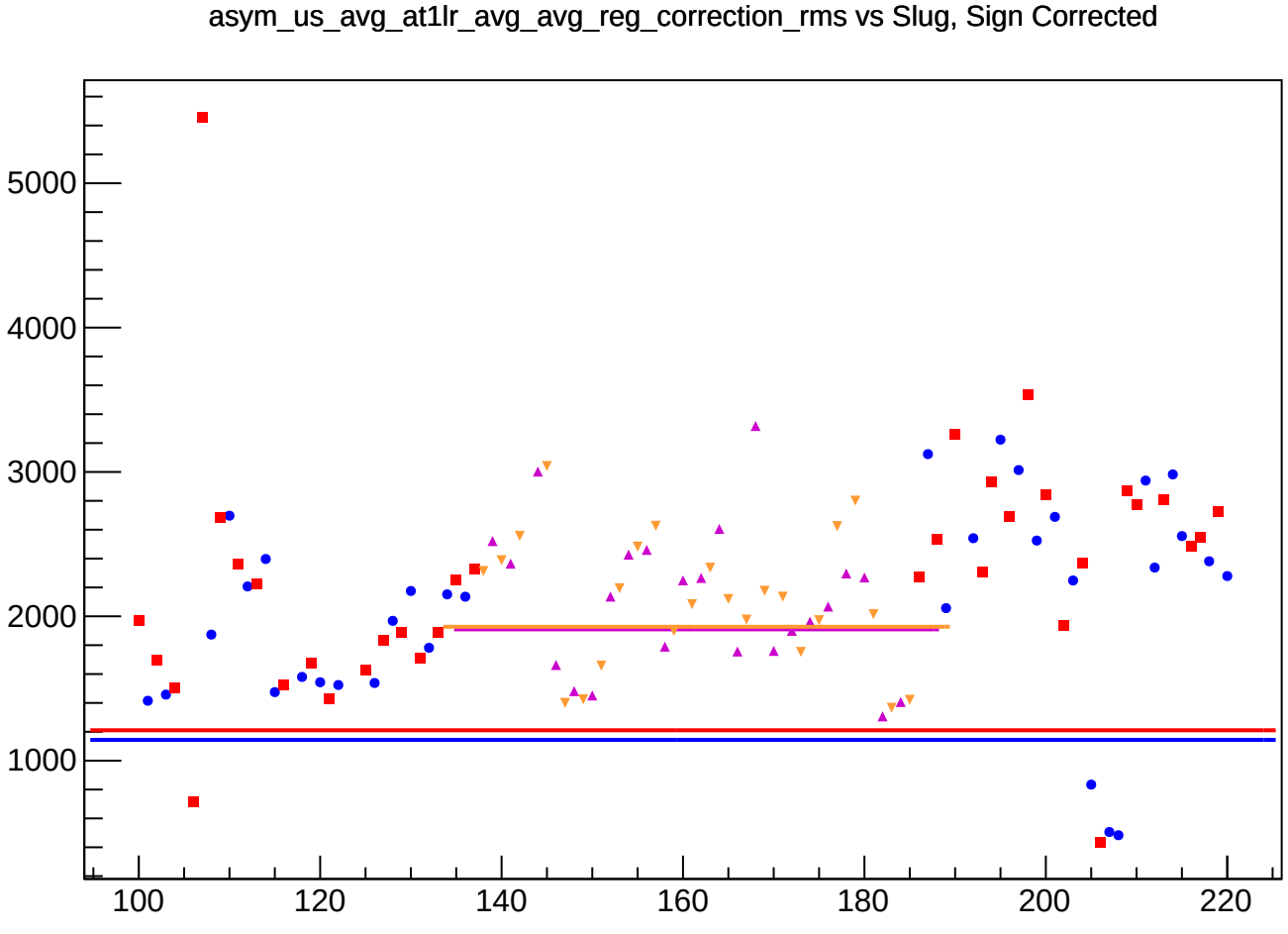
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

Right: -137.007+/-229.867 χ^2/NDF: 89.7/67

In: 164.100+/-259.281 χ^2/NDF:54.4/55

Out: -557.472+/-272.772 χ^2/NDF:76.1/58

All: -178.402+/-187.928 χ^2/NDF: 134.1/114



Right In: 1143.846+/-0.222 χ^2/NDF: 13547066.9/32

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1210.625+/-0.239 χ^2/NDF: 14989932.6/34

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

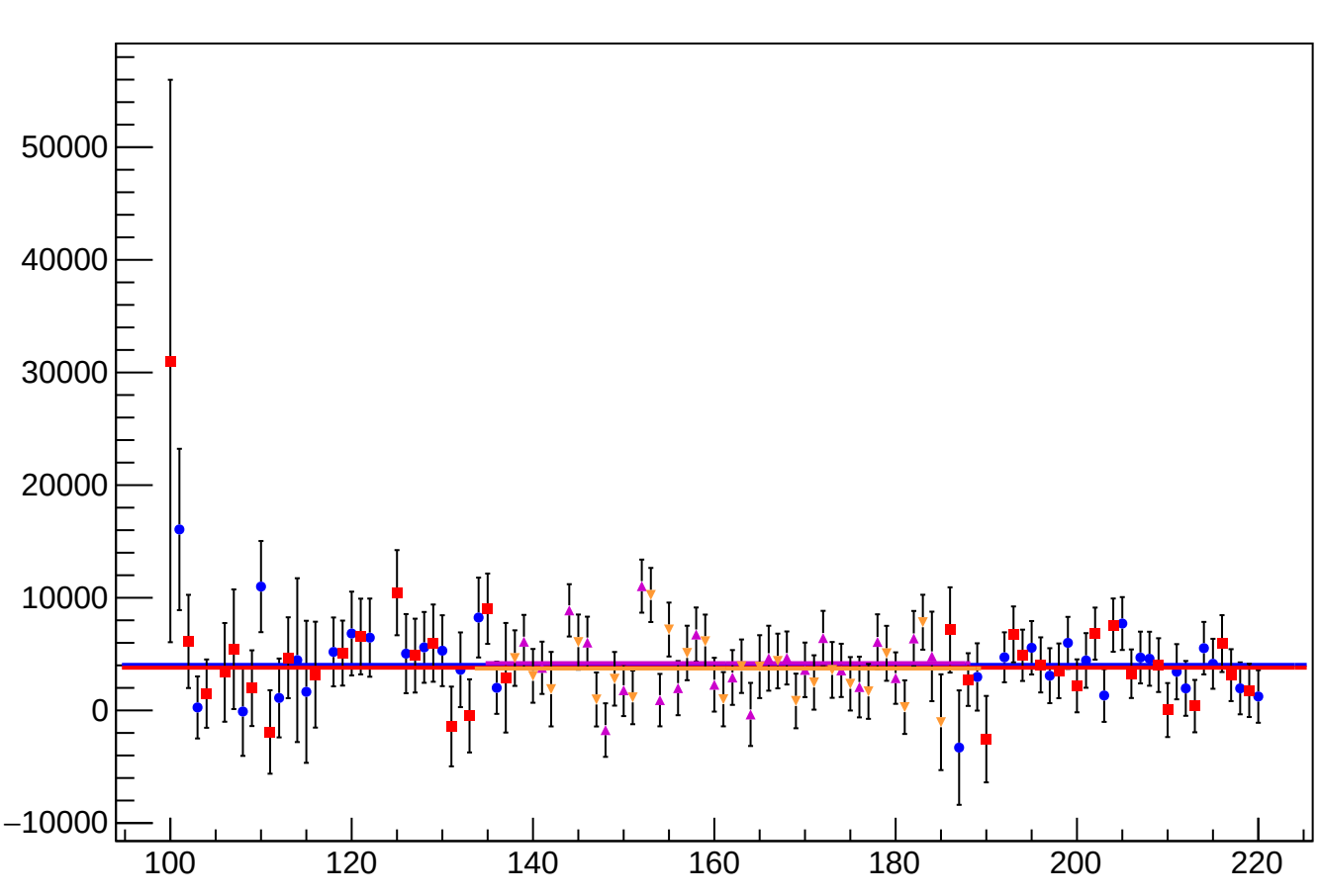
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1174.765+/-0.163 χ^2/NDF: 28578967.8/67

In: 1386.429+/-0.183 χ^2/NDF:19265075.2/55

Out: 1460.163+/-0.193 χ^2/NDF:19924094.7/58

All: 1421.428+/-0.133 χ^2/NDF: 39265941.6/1



Right In: 4043.536+/-488.816 χ^2/NDF: 24.5/32

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3791.601+/-490.821 χ^2/NDF: 32.5/34

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

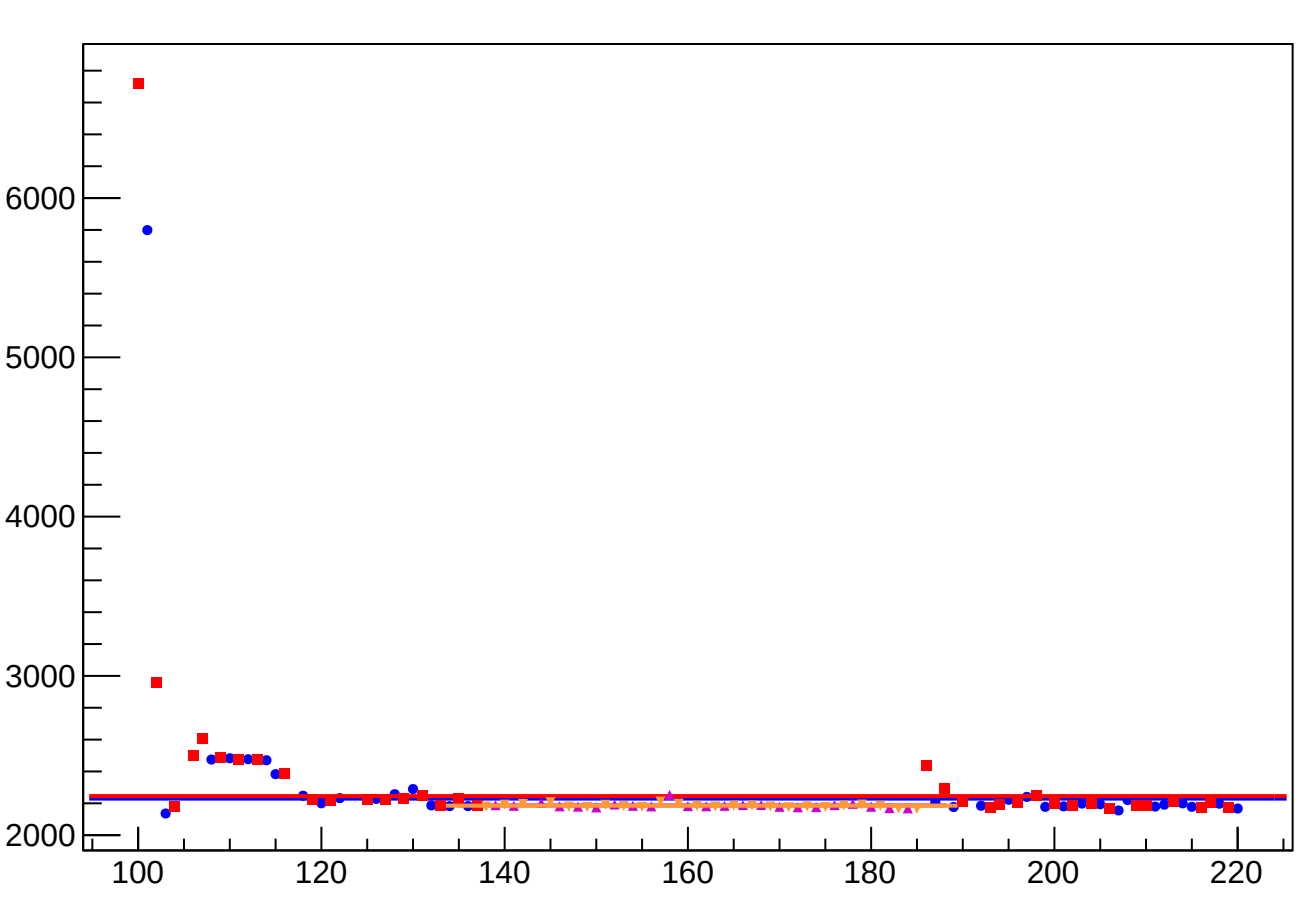
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3918.084+/-346.352 χ^2/NDF: 57.1/67

In: 4116.478+/-353.088 χ^2/NDF:56.6/55

Out: 3758.633+/-352.696 χ^2/NDF:58.0/58

All: 3937.357+/-249.532 χ^2/NDF: 115.1/114



Right In: 2229.583+/-0.346 χ^2/NDF: 541566.4/32

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

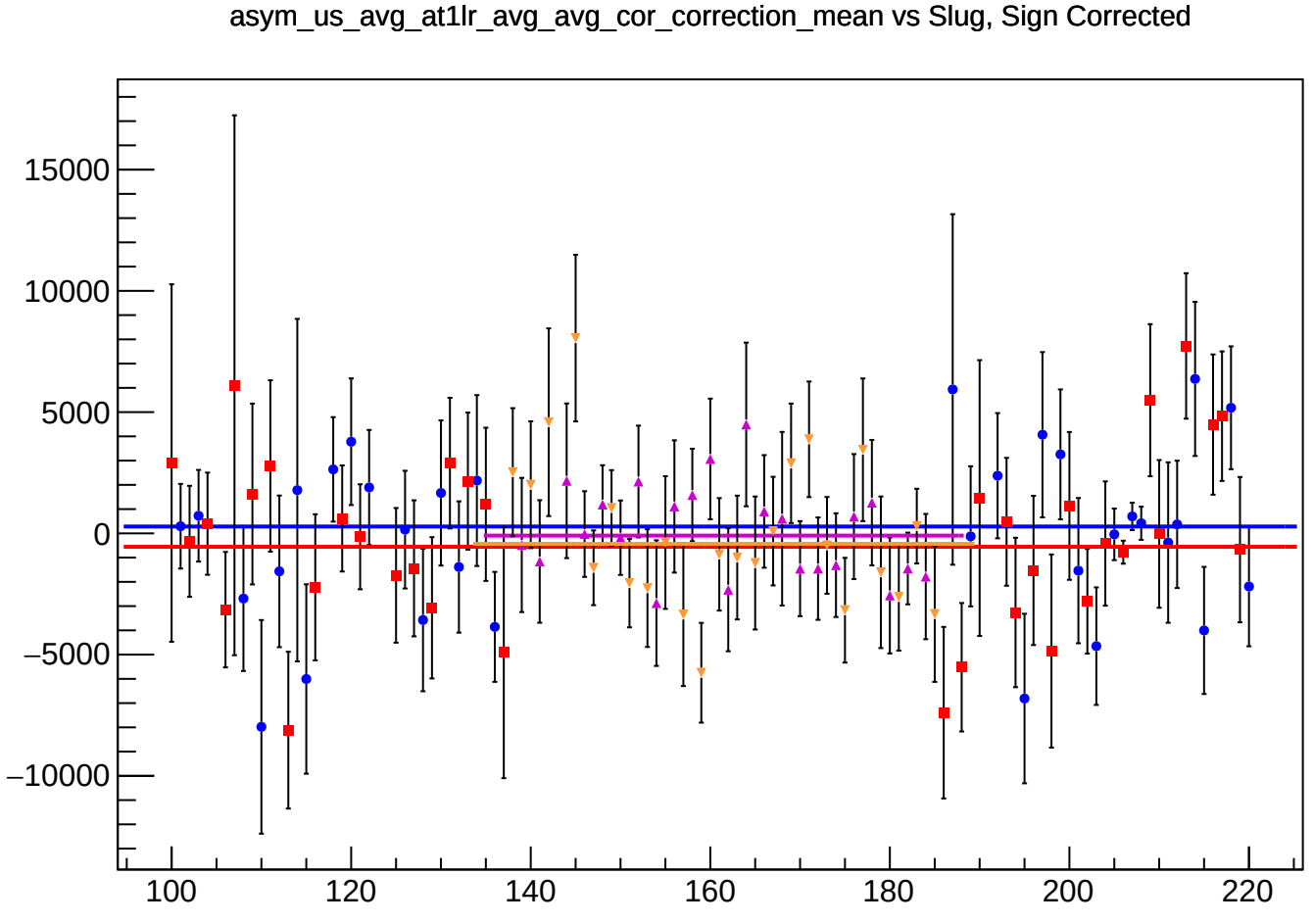
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

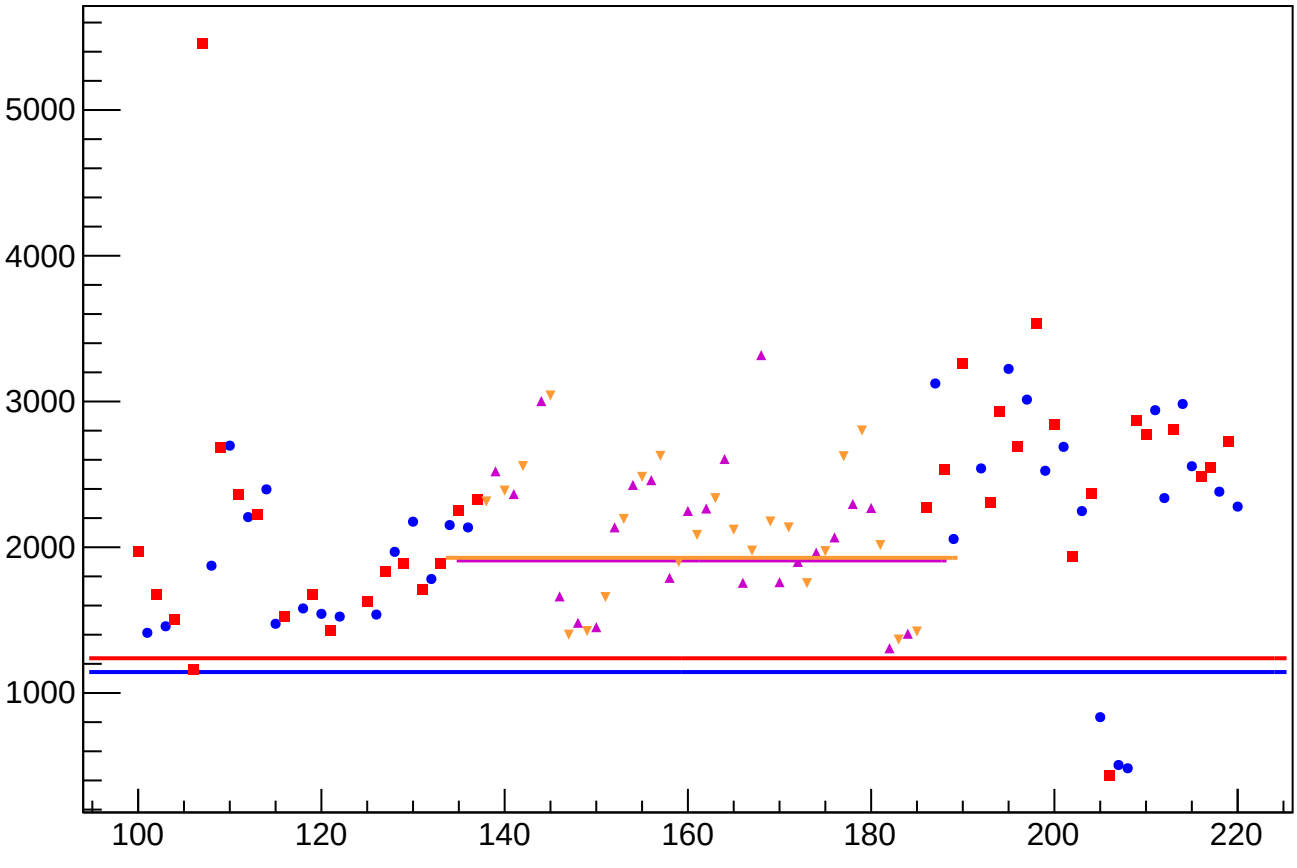
Right: 2237.477+/-0.245 χ^2/NDF: 735030.2/67

In: 2209.097+/-0.250 χ^2/NDF:550976.1/55

Out: 2216.271+/-0.249 χ^2/NDF:207832.0/58

All: 2212.688+/-0.176 χ^2/NDF: 759221.4/114


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 282.968+/-313.665 χ²/NDF: 41.1/32
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: -554.021+/-343.888 χ²/NDF: 43.6/34
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -97.138+/-231.744 χ²/NDF: 87.9/67
In: 164.002+/-259.271 χ²/NDF:54.4/55
Out: -510.679+/-275.939 χ²/NDF:74.9/58
All: -152.347+/-188.950 χ²/NDF: 132.4/114



Right In: 1143.779+/-0.222 χ^2/NDF: 13547091.9/32

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

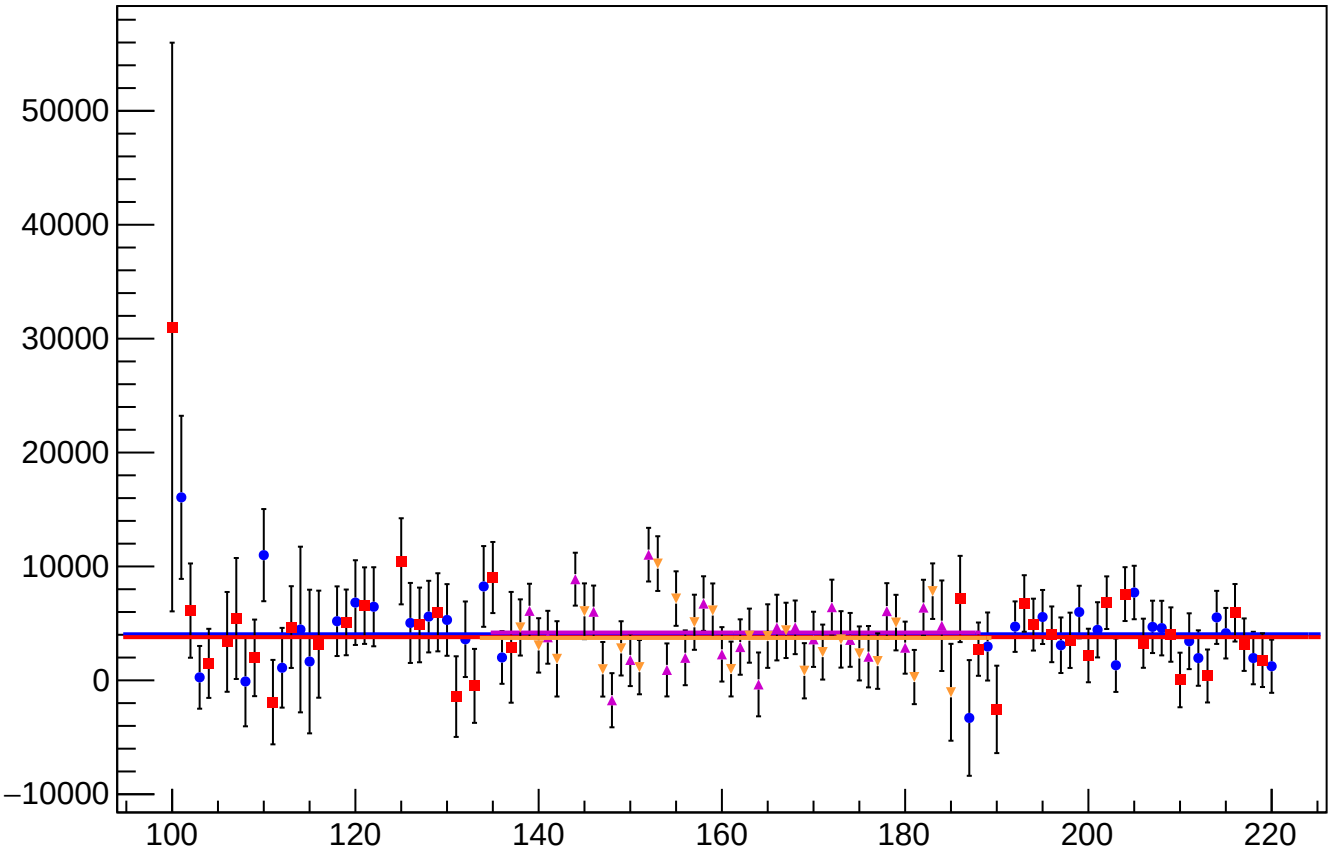
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1186.717+/-0.164 χ^2/NDF: 28362983.4/67

In: 1386.364+/-0.183 χ^2/NDF:19265965.9/55

Out: 1483.827+/-0.195 χ^2/NDF:19393791.4/58

All: 1432.063+/-0.134 χ^2/NDF: 38792273.4/1



Right In: 4043.536+/-488.816 χ^2/NDF: 24.5/32

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3791.601+/-490.821 χ^2/NDF: 32.5/34

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

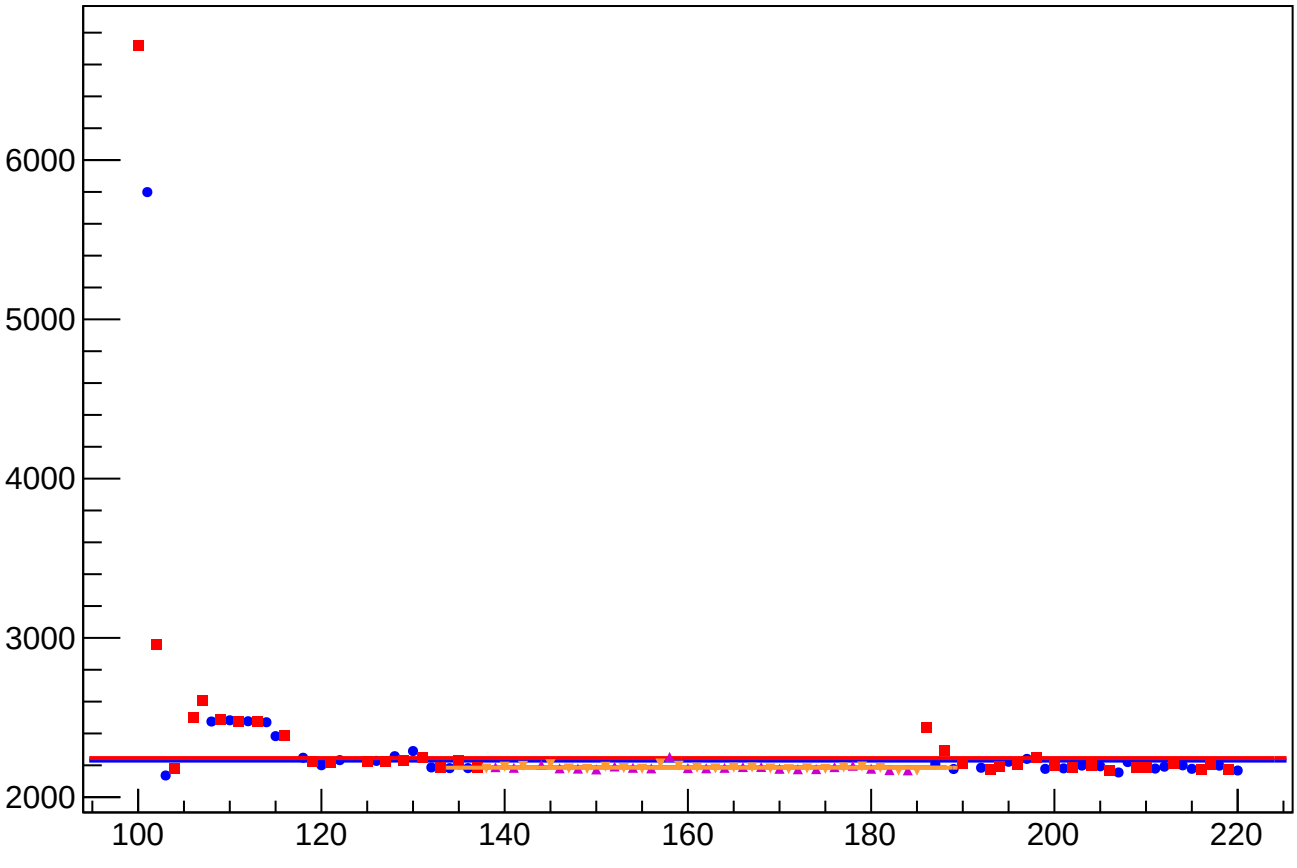
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3918.084+/-346.352 χ^2/NDF: 57.1/67

In: 4116.478+/-353.088 χ^2/NDF:56.6/55

Out: 3758.633+/-352.696 χ^2/NDF:58.0/58

All: 3937.357+/-249.532 χ^2/NDF: 115.1/114



Right In: 2229.583+/-0.346 χ^2/NDF: 541566.4/32

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

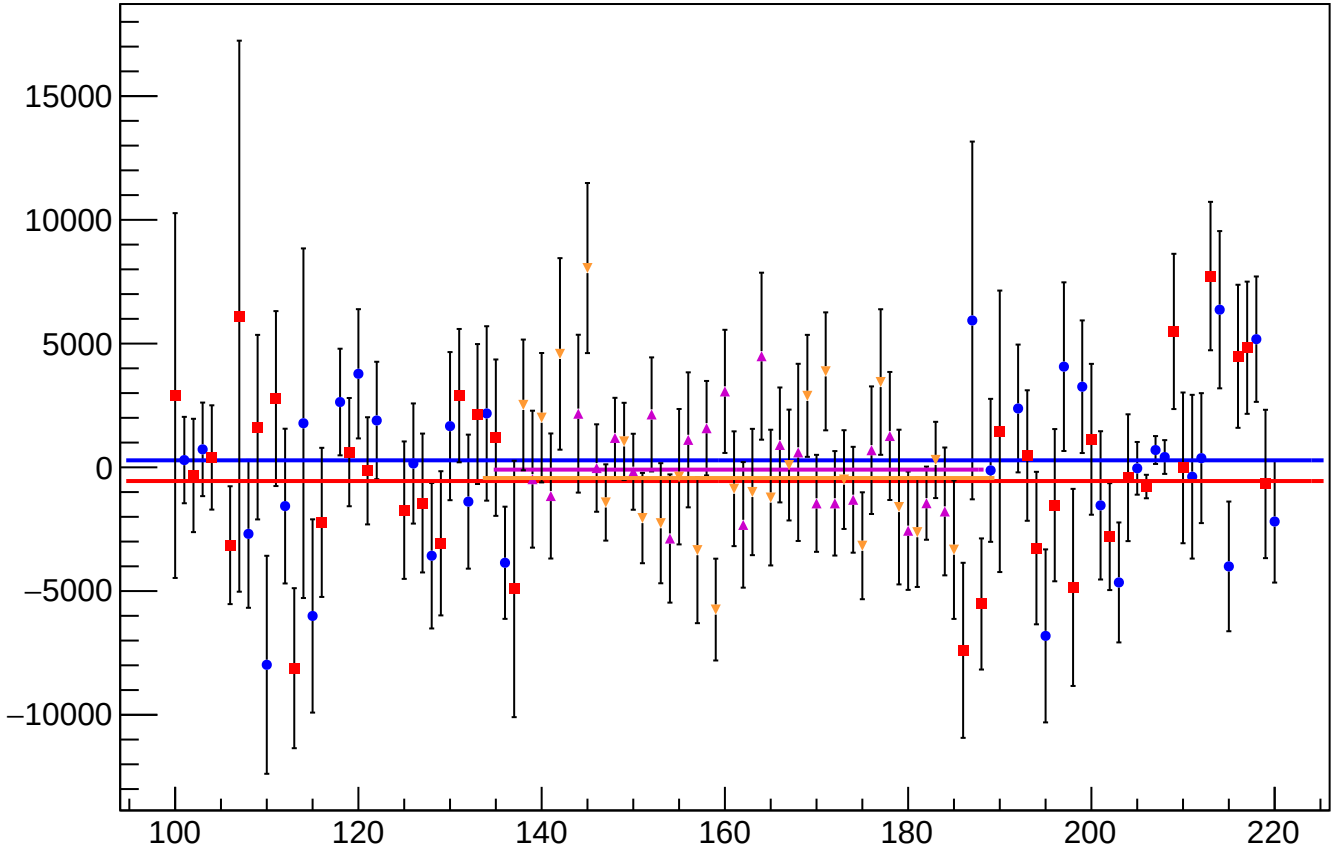
Right: 2237.477+/-0.245 χ^2/NDF: 735030.2/67

In: 2209.097+/-0.250 χ^2/NDF:550976.1/55

Out: 2216.271+/-0.249 χ^2/NDF:207832.0/58

All: 2212.688+/-0.176 χ^2/NDF: 759221.4/114

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 282.968+/-313.665 χ^2/NDF: 41.1/32

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -554.021+/-343.888 χ^2/NDF: 43.6/34

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

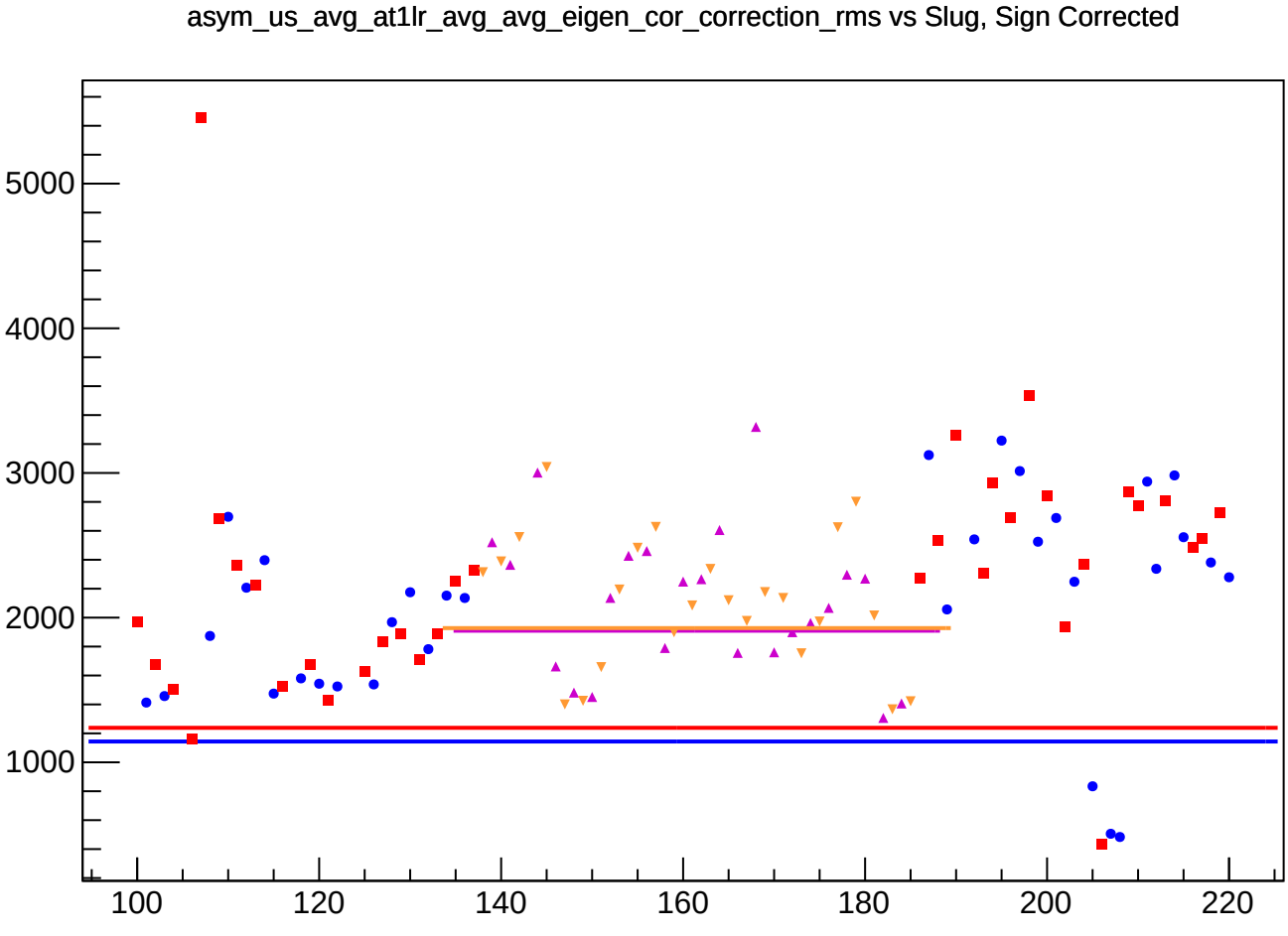
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -97.138+/-231.744 χ^2/NDF: 87.9/67

In: 164.002+/-259.271 χ^2/NDF:54.4/55

Out: -510.679+/-275.939 χ^2/NDF:74.9/58

All: -152.347+/-188.950 χ^2/NDF: 132.4/114



Right In: 1143.779+/-0.222 χ^2/NDF: 13547091.9/32

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

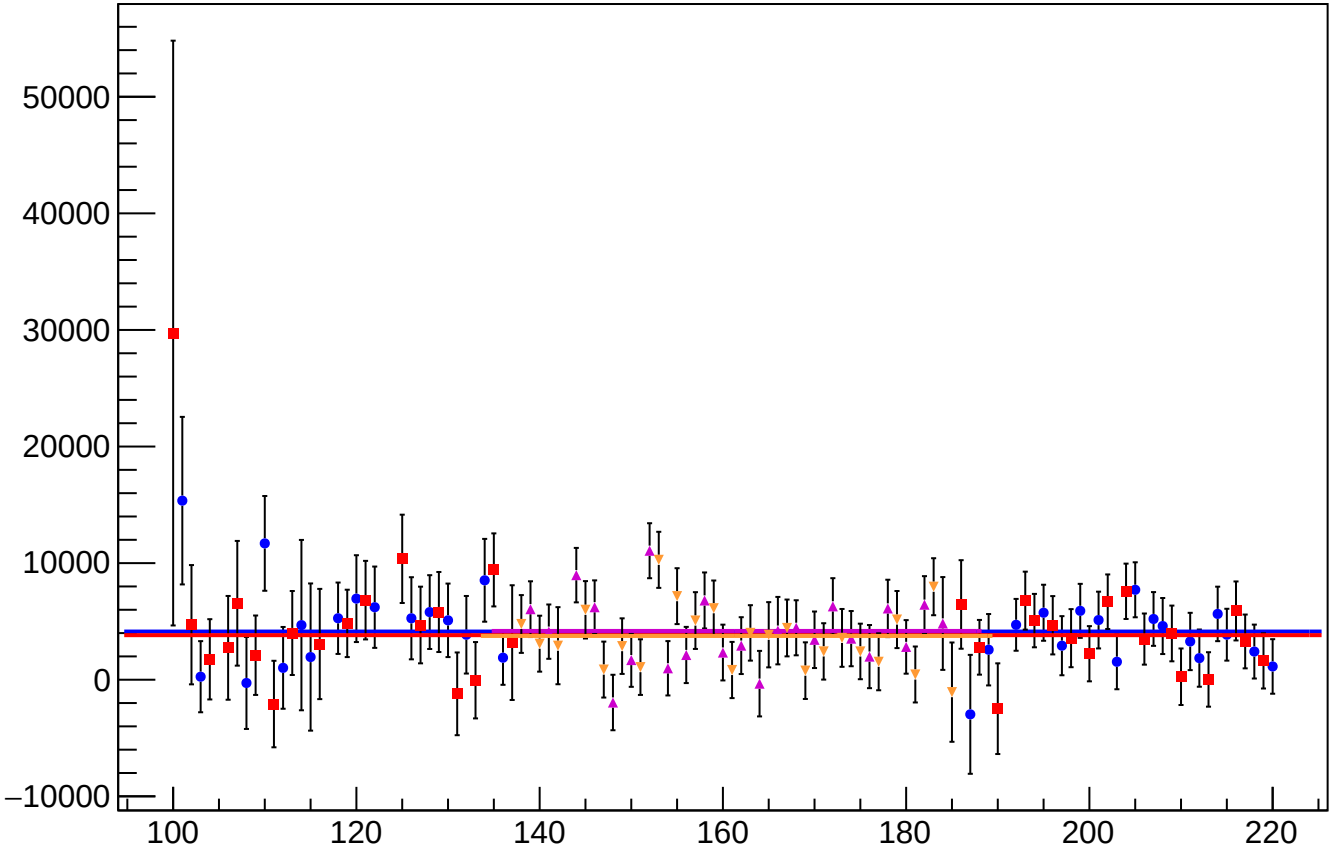
Right: 1186.717+/-0.164 χ^2/NDF: 28362983.4/67

In: 1386.364+/-0.183 χ^2/NDF:19265965.9/55

Out: 1483.827+/-0.195 χ^2/NDF:19393791.4/58

All: 1432.063+/-0.134 χ^2/NDF: 38792273.4/

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4132.233+/-493.066 χ^2/NDF: 24.8/32

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 3821.441+/-496.926 χ^2/NDF: 31.6/34

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

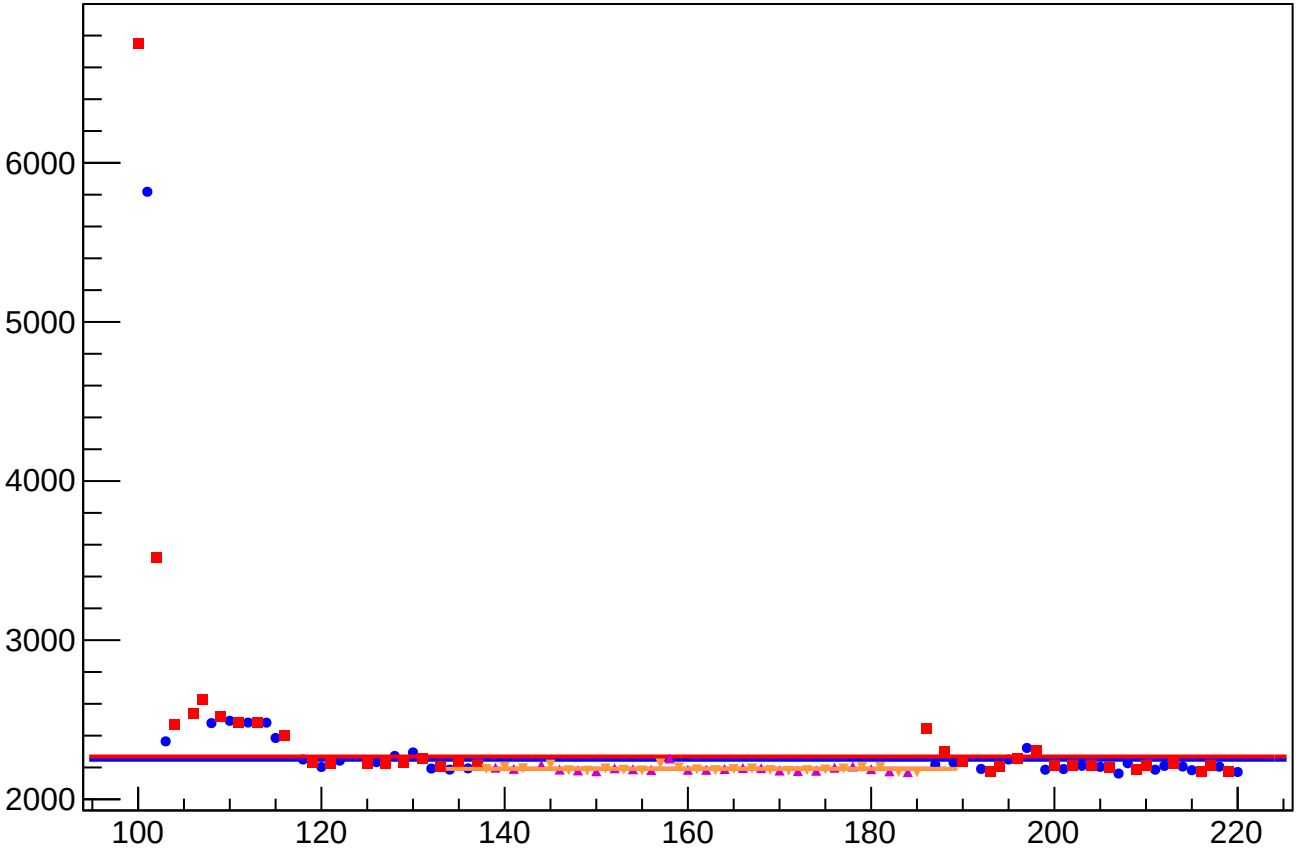
Right: 3978.049+/-350.007 χ^2/NDF: 56.6/67

In: 4157.251+/-355.110 χ^2/NDF:57.4/55

Out: 3788.533+/-355.424 χ^2/NDF:57.3/58

All: 3973.055+/-251.212 χ^2/NDF: 115.2/114

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2248.583+/-0.349 χ^2/NDF: 542734.3/32

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2268.770+/-0.351 χ^2/NDF: 261937.1/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

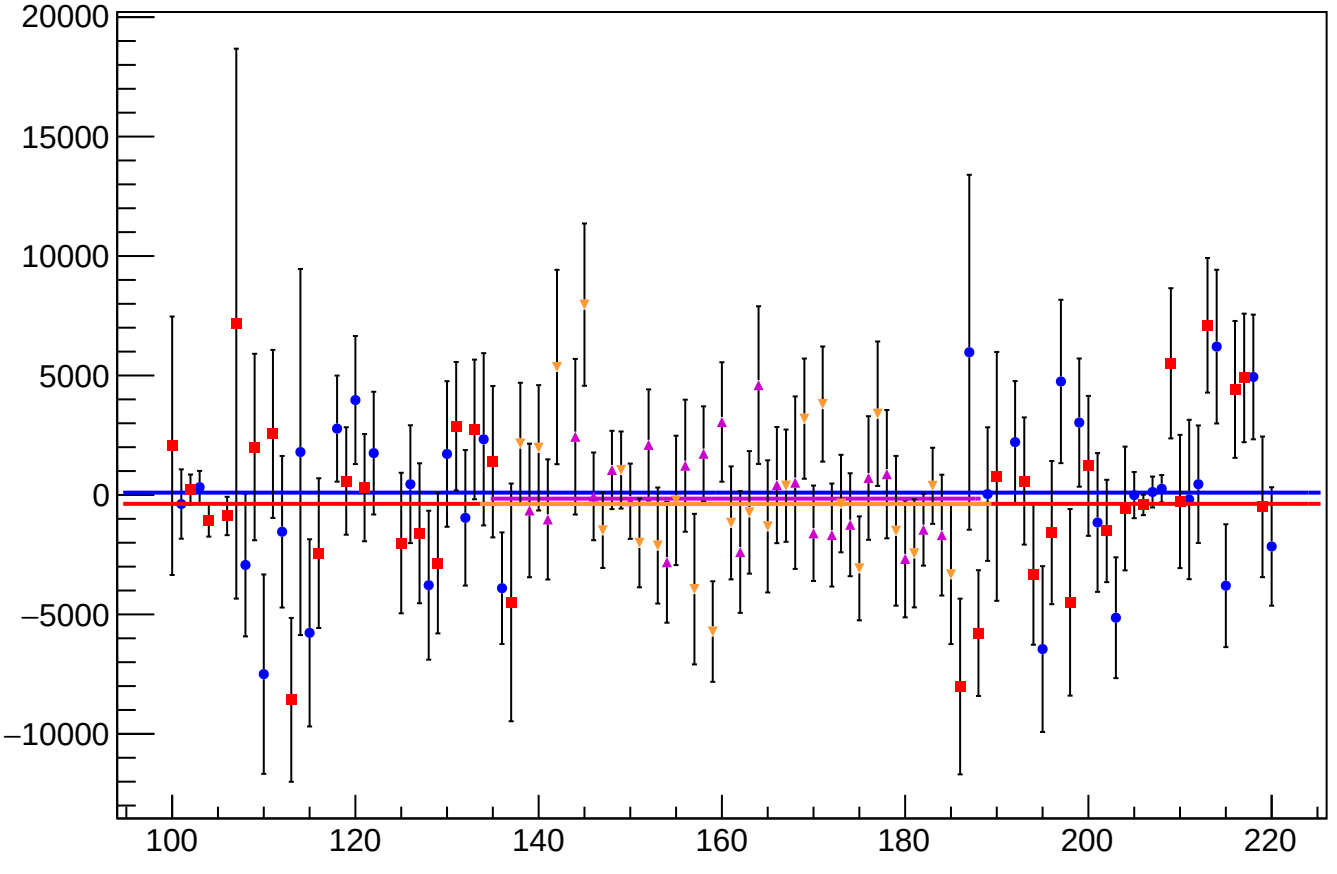
Right: 2258.598+/-0.247 χ^2/NDF: 806334.7/67

In: 2221.446+/-0.251 χ^2/NDF:557602.9/55

Out: 2230.857+/-0.251 χ^2/NDF:287001.9/58

All: 2226.147+/-0.178 χ^2/NDF: 845306.5/114

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 97.072+/-283.456 χ^2/NDF: 39.1/32

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -371.010+/-258.357 χ^2/NDF: 43.9/34

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

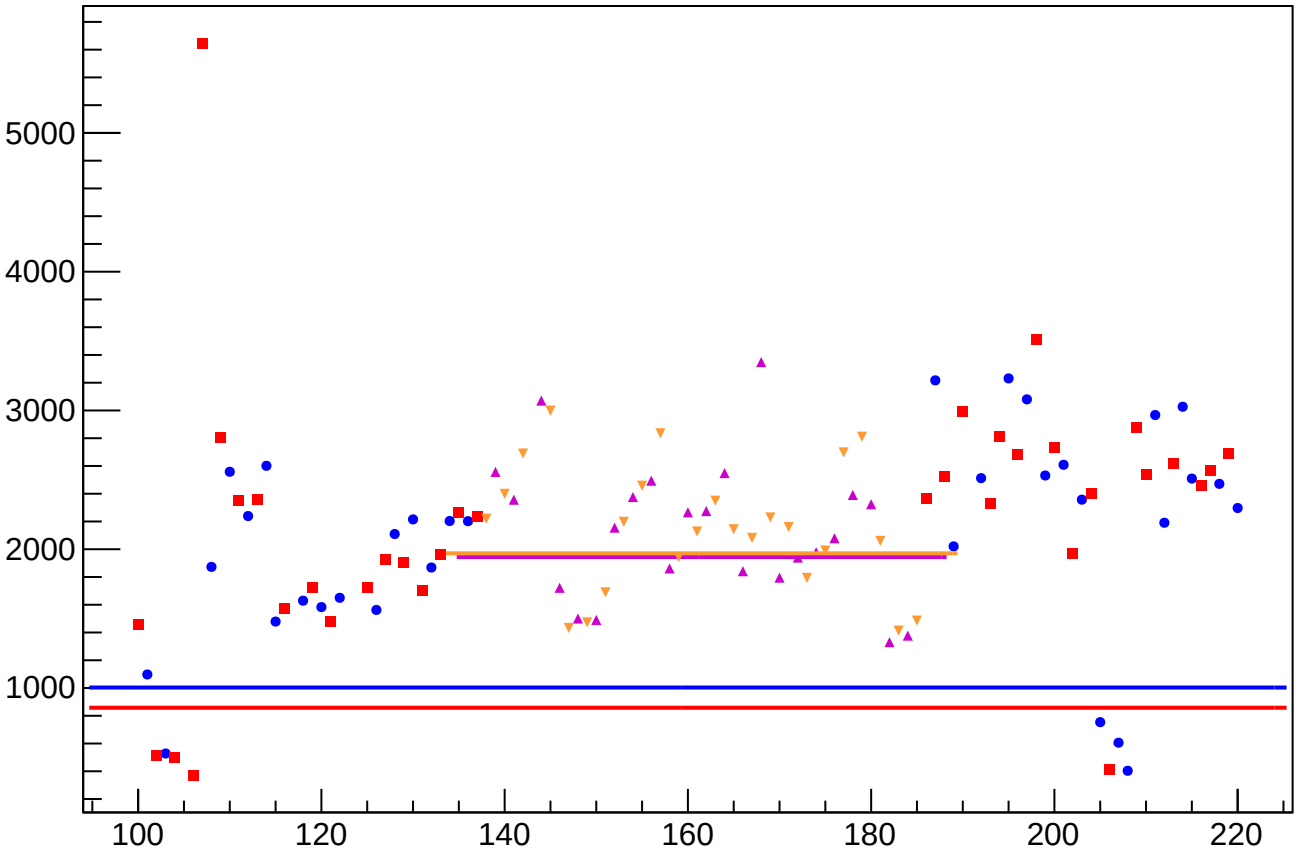
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -158.605+/-190.944 χ^2/NDF: 84.5/67

In: 29.550+/-242.452 χ^2/NDF:52.1/55

Out: -373.199+/-226.571 χ^2/NDF:74.7/58

All: -185.446+/-165.540 χ^2/NDF: 128.2/114



Right In: 1003.515+/-0.200 χ^2/NDF: 15270244.3/32

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 857.997+/-0.183 χ^2/NDF: 19165954.4/34

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

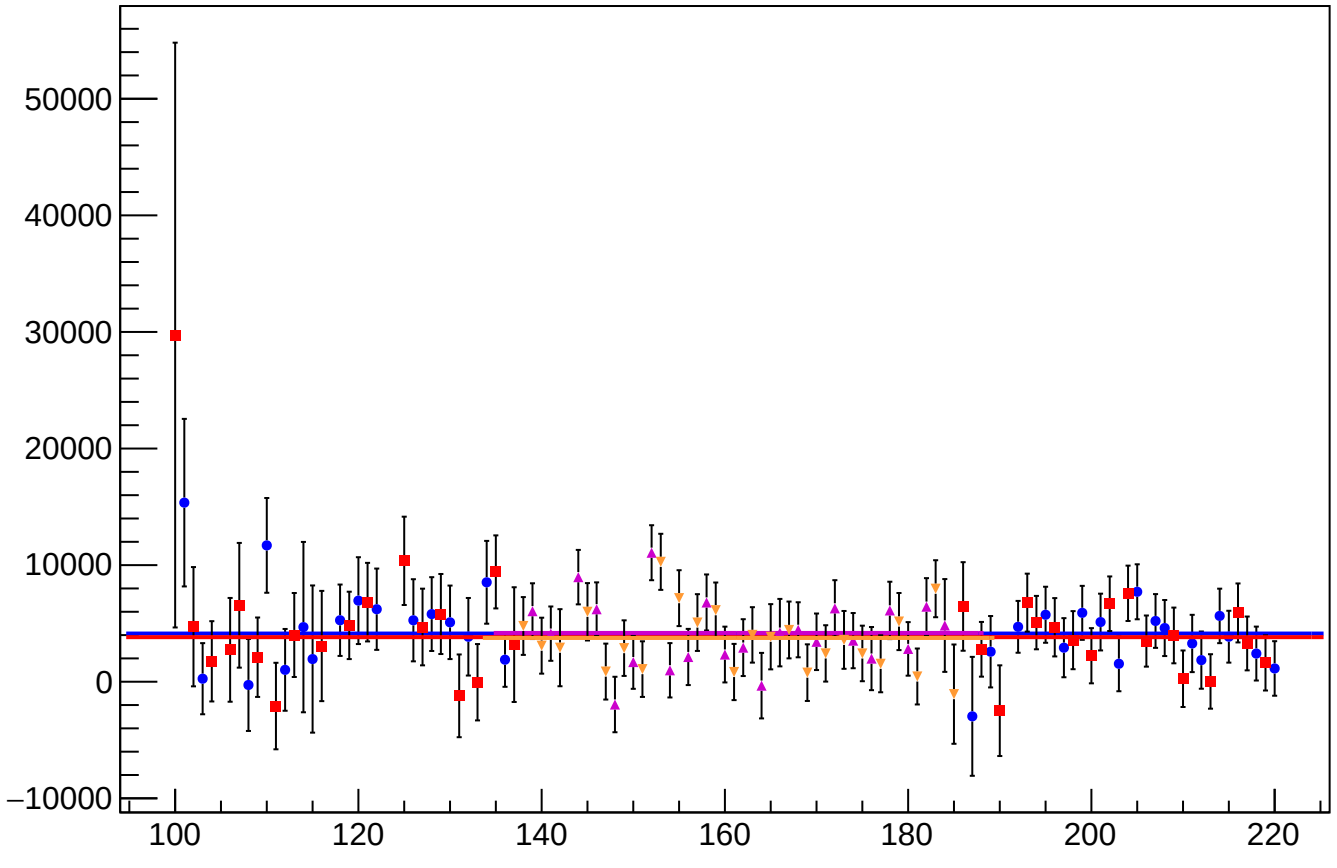
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 924.029+/-0.135 χ^2/NDF: 34724112.6/67

In: 1255.829+/-0.171 χ^2/NDF:23057648.7/55

Out: 1114.943+/-0.160 χ^2/NDF:29428881.8/58

All: 1180.621+/-0.117 χ^2/NDF: 52847035.2/



Right In: 4132.232+/-493.066 χ^2/NDF: 24.8/32

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 3821.441+/-496.926 χ^2/NDF: 31.6/34

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

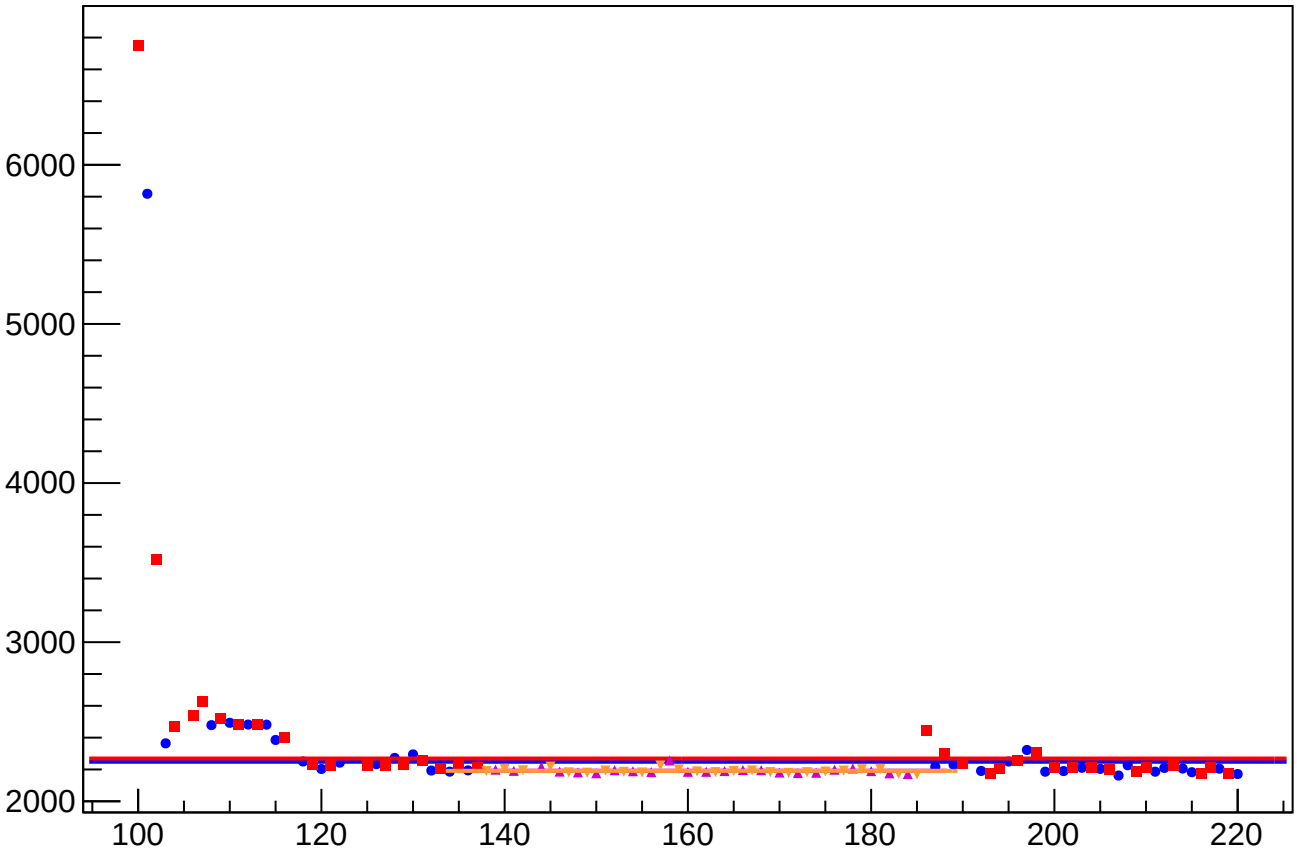
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 3978.048+/-350.007 χ^2/NDF: 56.6/67

In: 4157.251+/-355.110 χ^2/NDF:57.4/55

Out: 3788.532+/-355.424 χ^2/NDF:57.3/58

All: 3973.055+/-251.212 χ^2/NDF: 115.2/114



Right In: 2248.583+/-0.349 χ^2/NDF: 542734.1/32

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2268.770+/-0.351 χ^2/NDF: 261935.8/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

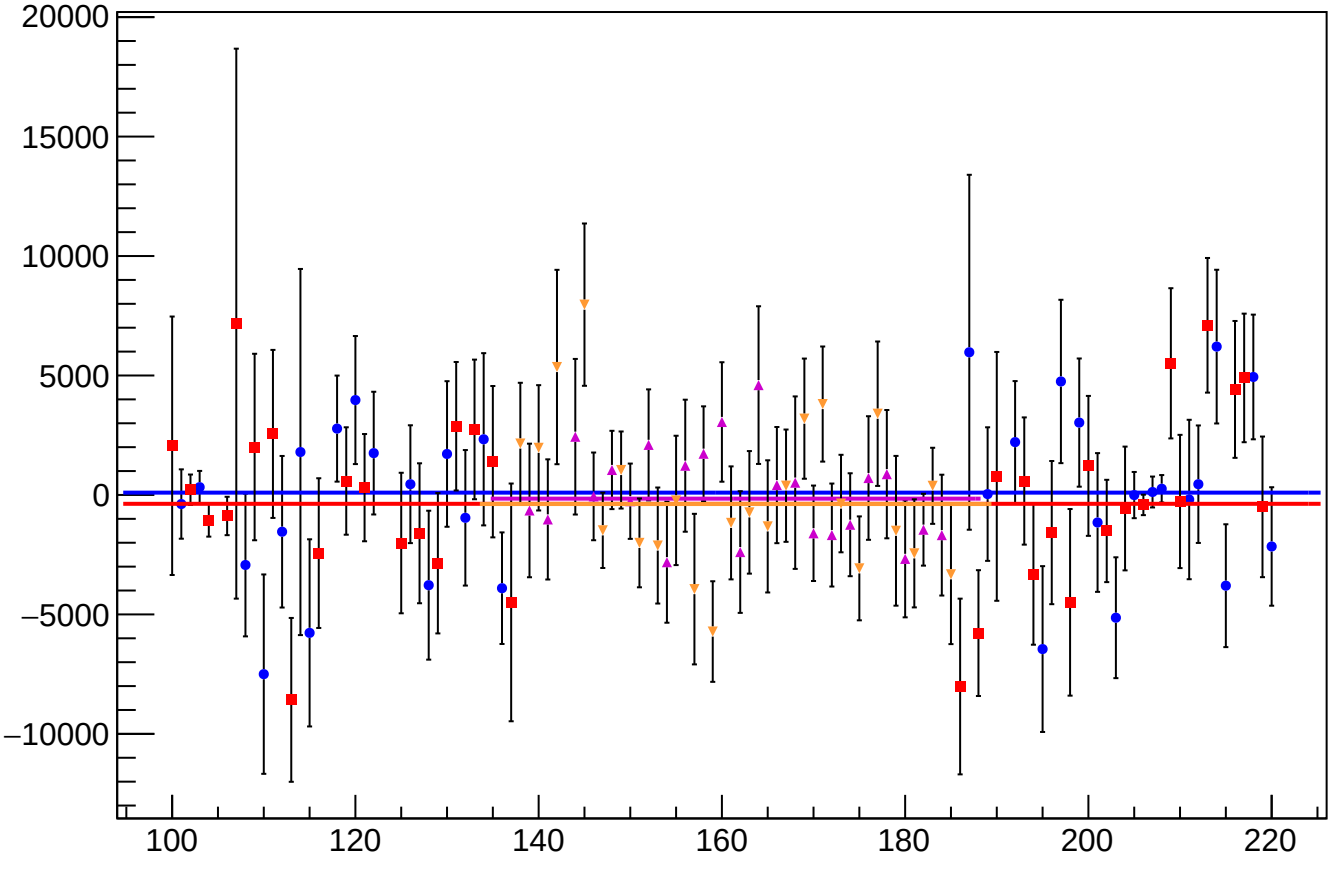
Right: 2258.598+/-0.247 χ^2/NDF: 806333.2/67

In: 2221.446+/-0.251 χ^2/NDF:557602.6/55

Out: 2230.857+/-0.251 χ^2/NDF:287000.4/58

All: 2226.147+/-0.178 χ^2/NDF: 845304.7/114

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 97.069+/-283.456 χ^2/NDF: 39.1/32

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -371.006+/-258.358 χ^2/NDF: 43.9/34

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

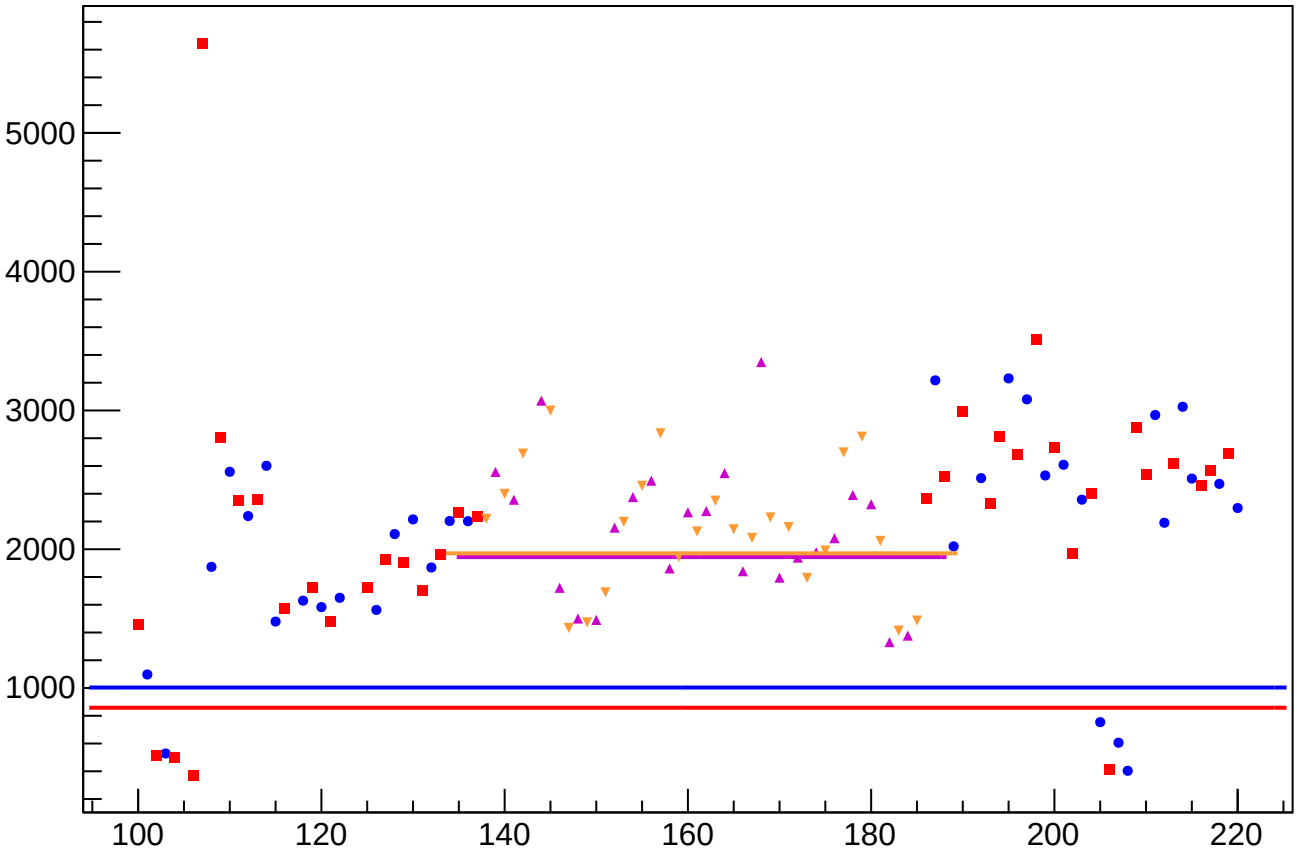
Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

Right: -158.604+/-190.945 χ^2/NDF: 84.5/67

In: 29.548+/-242.452 χ^2/NDF:52.1/55

Out: -373.197+/-226.572 χ^2/NDF:74.7/58

All: -185.445+/-165.540 χ^2/NDF: 128.2/114



Right In: 1003.515+/-0.200 χ^2/NDF: 15270269.2/32

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 858.002+/-0.183 χ^2/NDF: 19165870.0/34

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

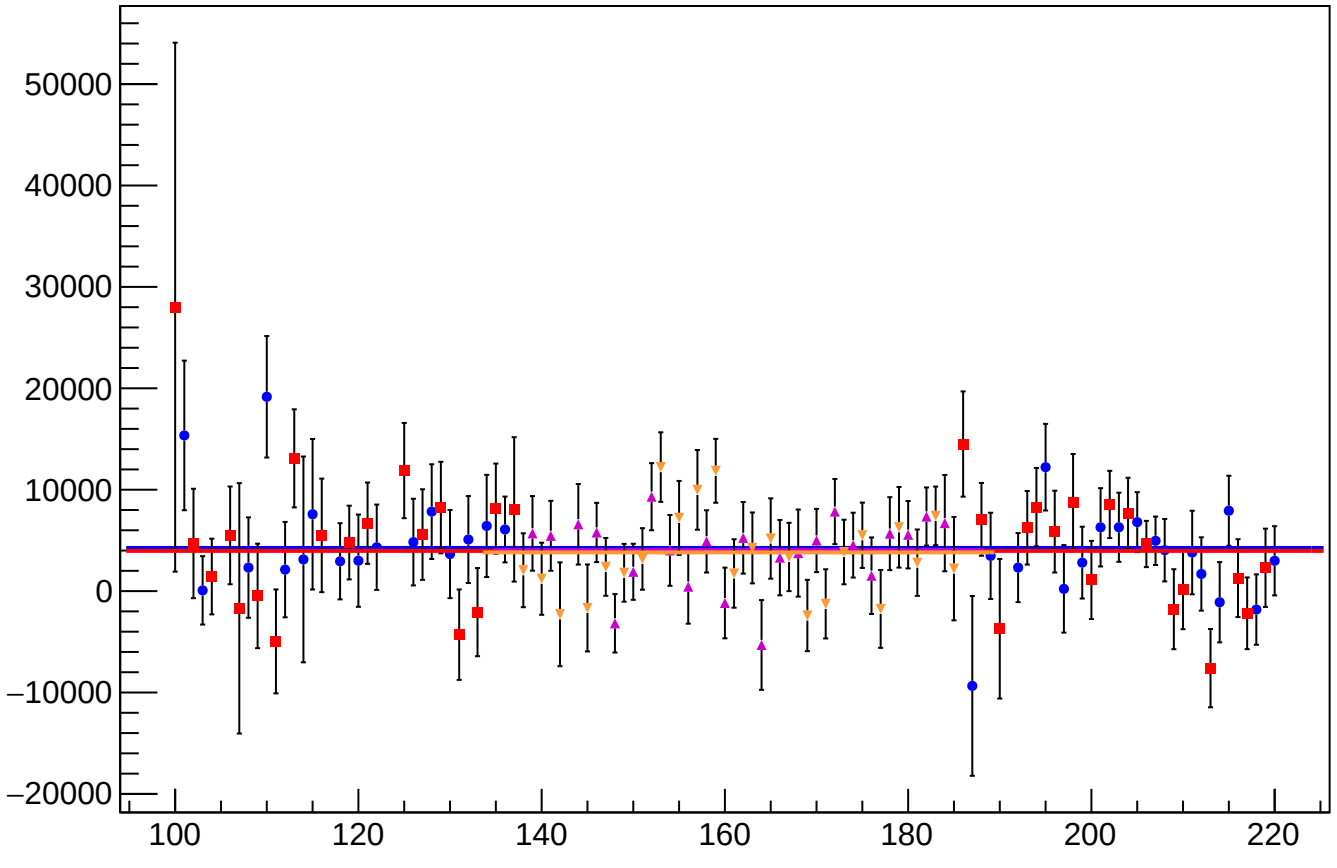
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 924.032+/-0.135 χ^2/NDF: 34724031.5/67

In: 1255.829+/-0.171 χ^2/NDF:23057701.1/55

Out: 1114.948+/-0.160 χ^2/NDF:29428734.8/58

All: 1180.624+/-0.117 χ^2/NDF: 52846912.6/



Right In: 4255.265+/-688.642 χ^2/NDF: 27.3/32

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 3968.165+/-708.588 χ^2/NDF: 48.4/34

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

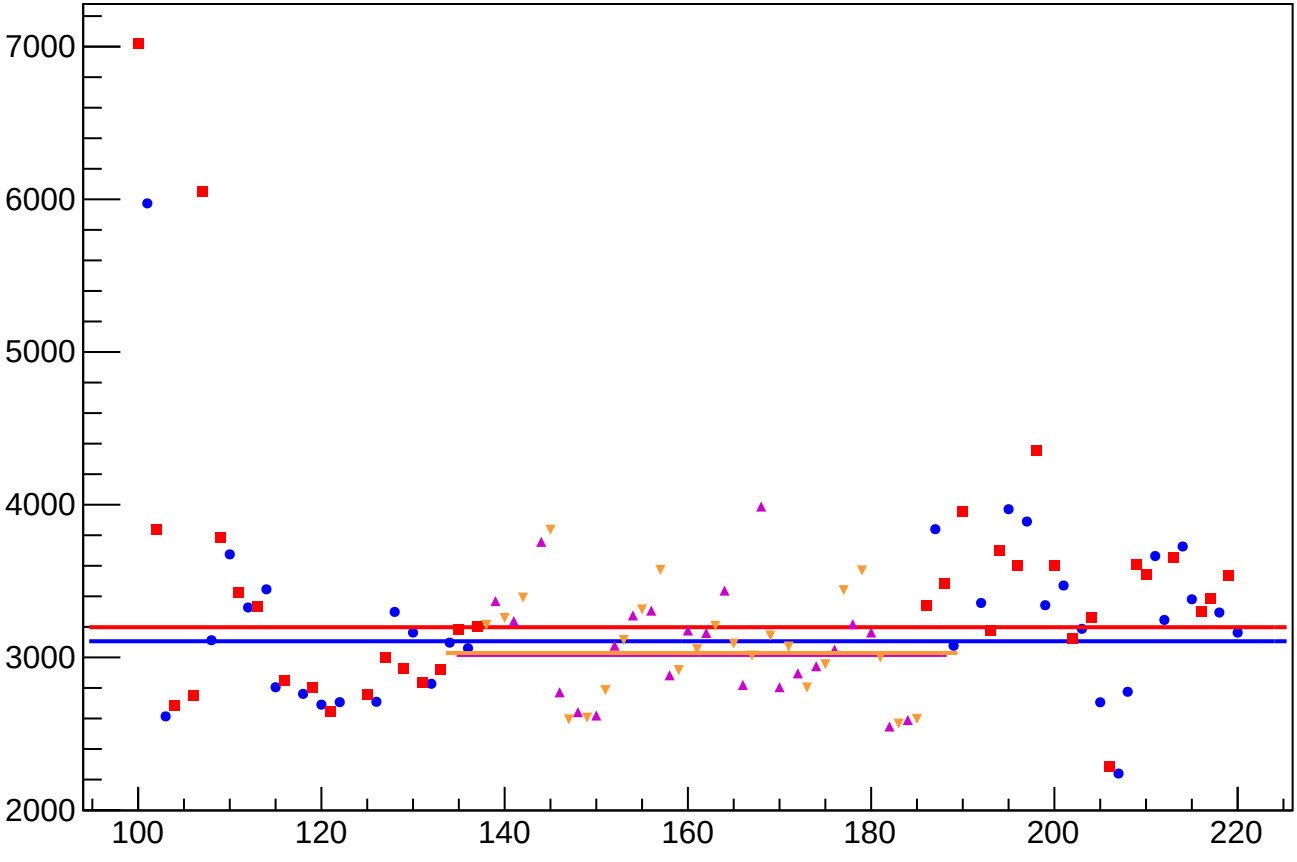
Right: 4115.812+/-493.844 χ^2/NDF: 75.8/67

In: 4152.029+/-494.177 χ^2/NDF:49.8/55

Out: 3892.971+/-500.950 χ^2/NDF:79.3/58

All: 4024.263+/-351.806 χ^2/NDF: 129.3/114

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3105.800+/-0.487 χ^2/NDF: 1085344.9/32

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3197.769+/-0.501 χ^2/NDF: 1022333.3/34

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

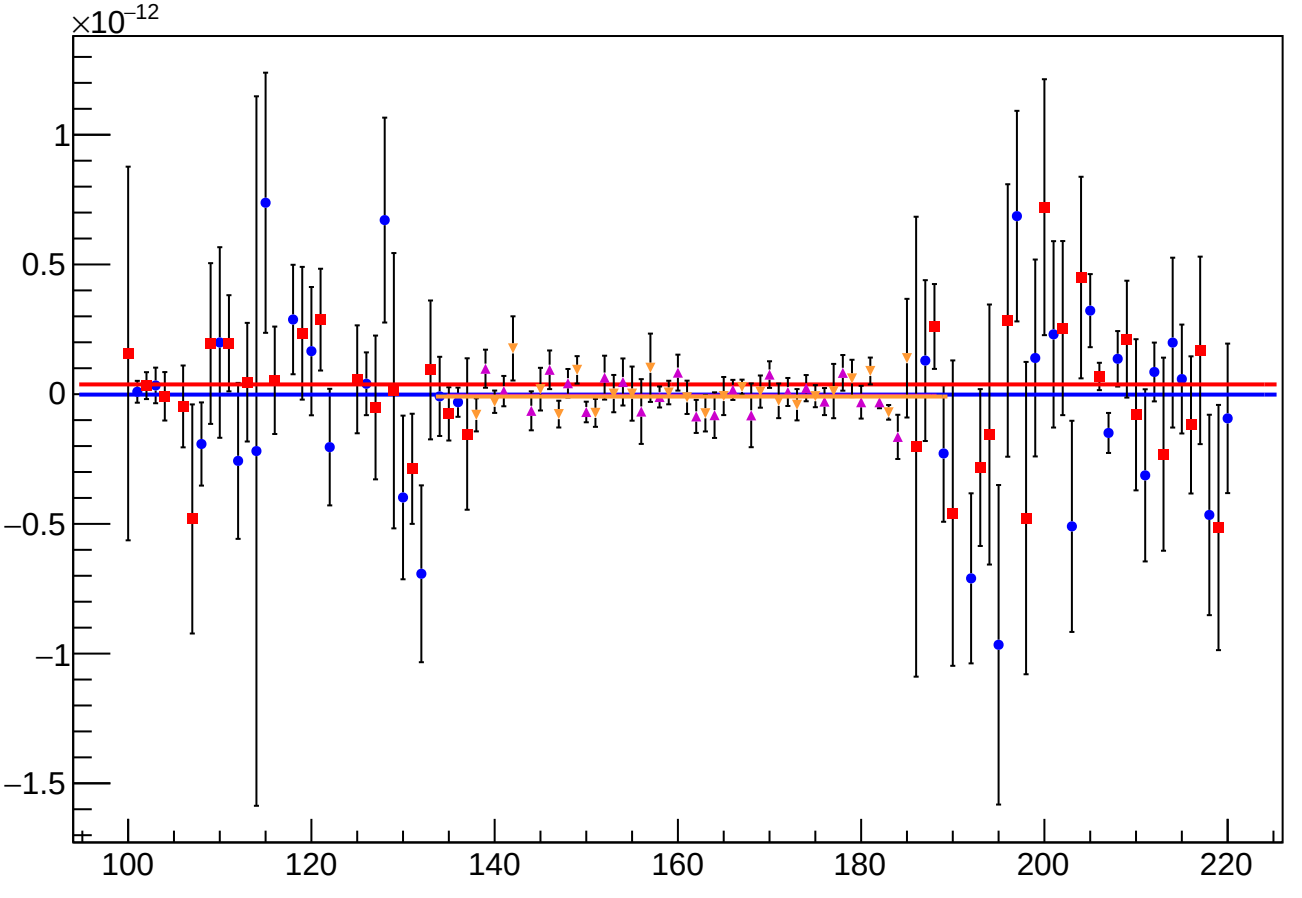
Right: 3150.472+/-0.349 χ^2/NDF: 2125004.8/67

In: 3062.366+/-0.349 χ^2/NDF:1541646.1/55

Out: 3113.343+/-0.354 χ^2/NDF:1476205.9/58

All: 3087.508+/-0.249 χ^2/NDF: 3028348.2/11

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 44.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/34

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

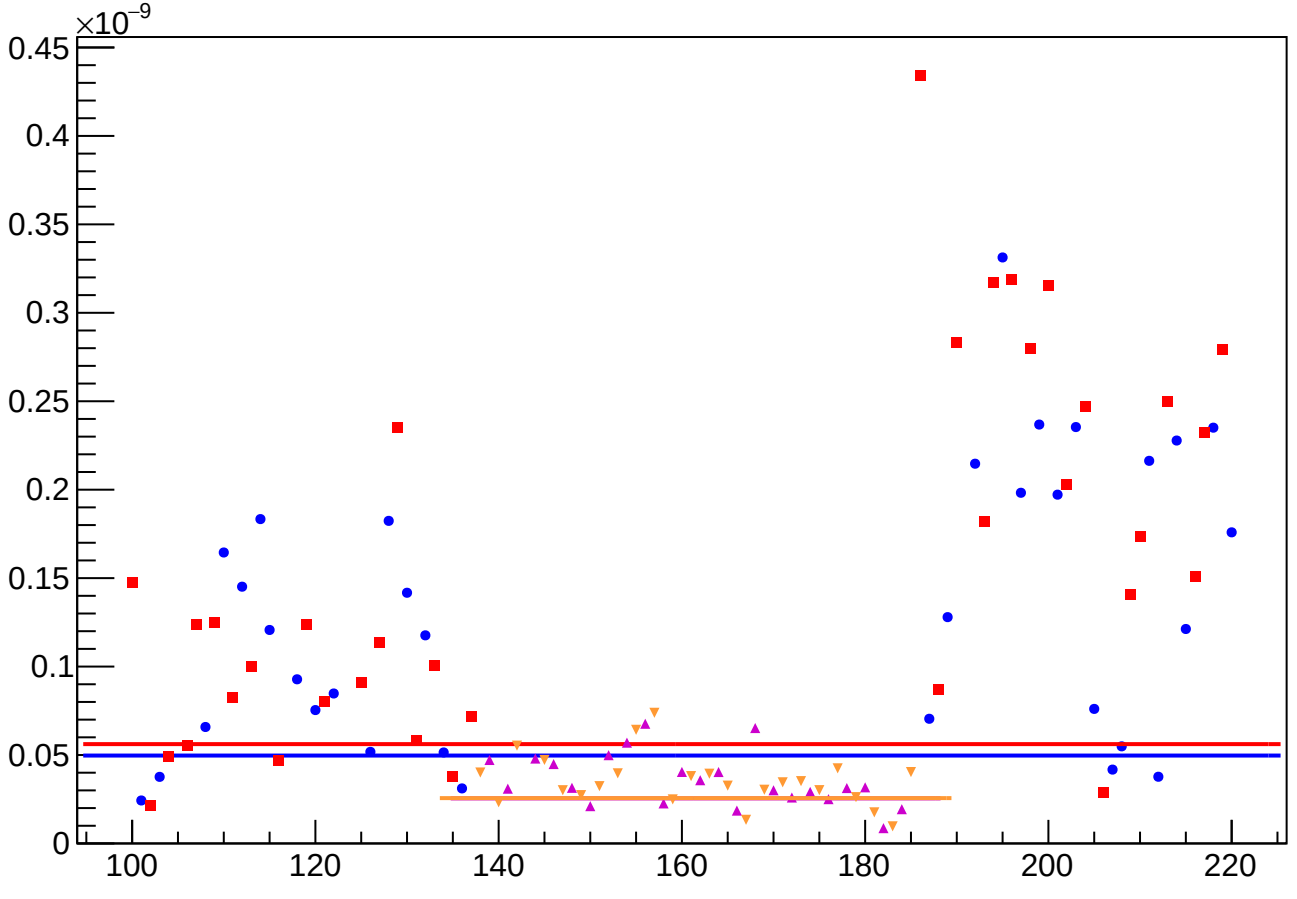
Right: 0.000+/-0.000 χ^2/NDF: 66.5/67

In: -0.000+/-0.000 χ^2/NDF:67.5/55

Out: -0.000+/-0.000 χ^2/NDF:47.8/58

All: -0.000+/-0.000 χ^2/NDF: 115.4/114

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7022387.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8546767.1/34

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

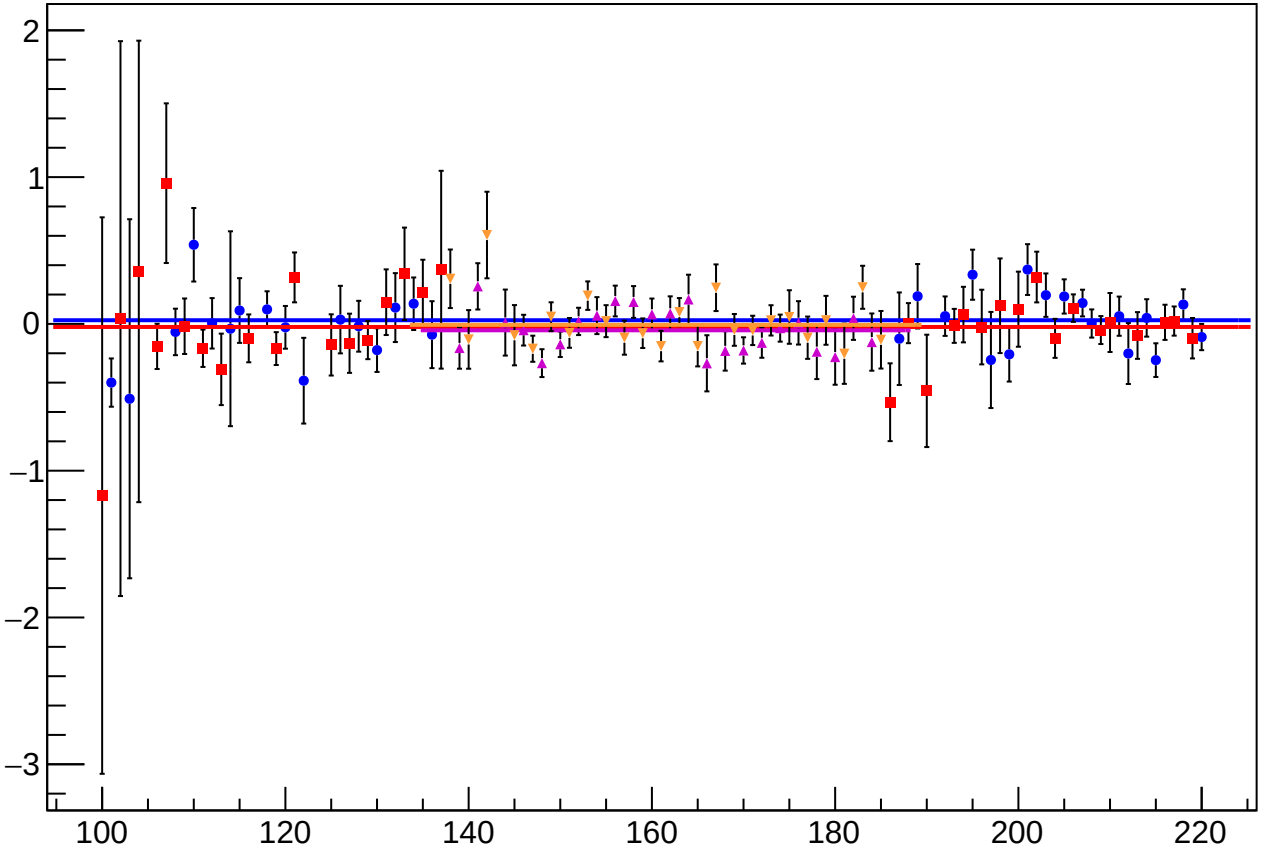
Right: 0.000+/-0.000 χ^2/NDF: 15634387.8/67

In: 0.000+/-0.000 χ^2/NDF:11598617.3/55

Out: 0.000+/-0.000 χ^2/NDF:13137919.0/58

All: 0.000+/-0.000 χ^2/NDF: 24736536.5/114

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.027 χ^2/NDF: 41.4/32

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

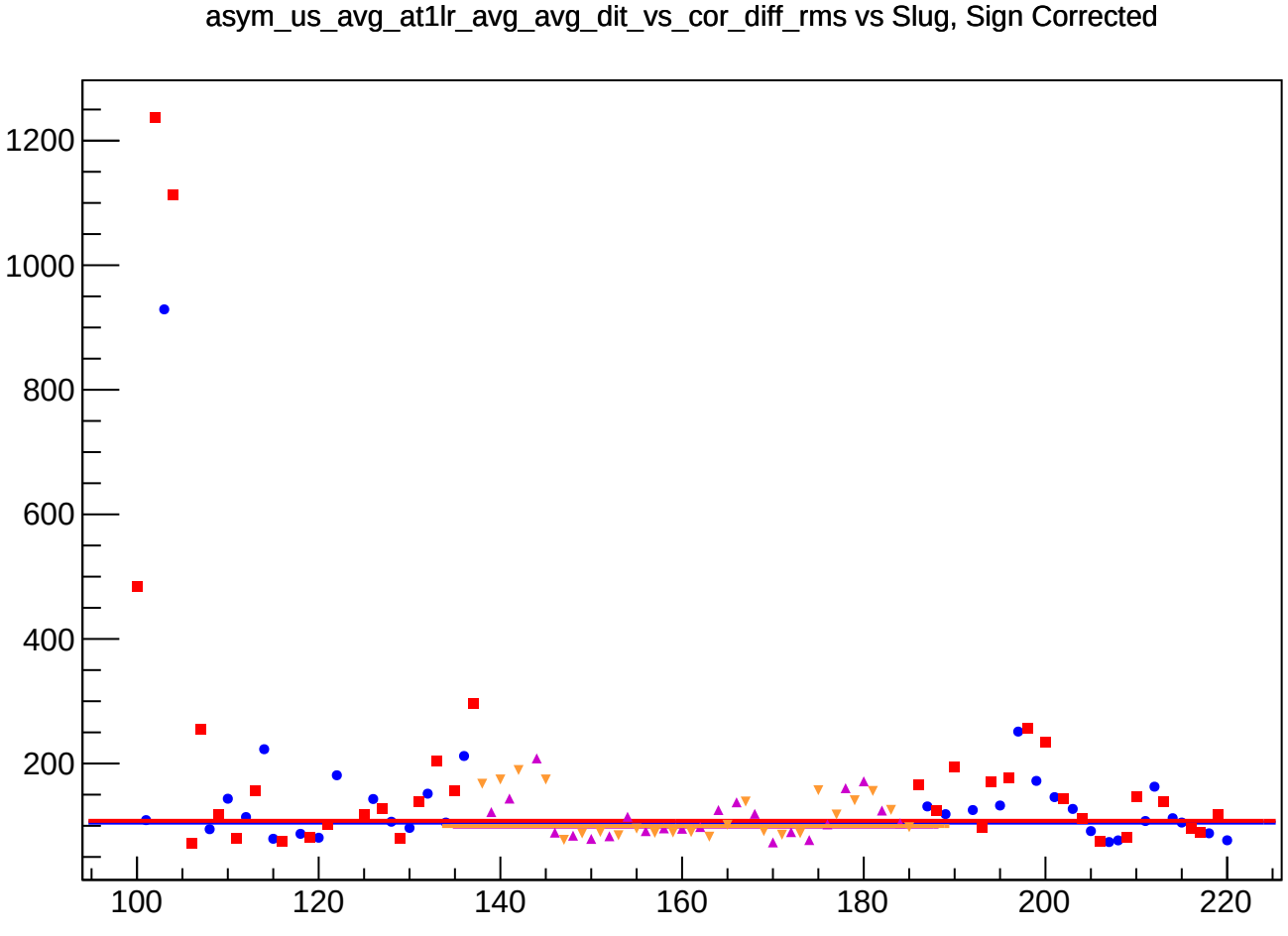
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.003+/-0.019 χ^2/NDF: 72.8/67

In: -0.011+/-0.018 χ^2/NDF:75.1/55

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.012+/-0.013 χ^2/NDF: 133.0/114



Right In: 105.110+/-0.019 χ^2/NDF: 3662726.9/32

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

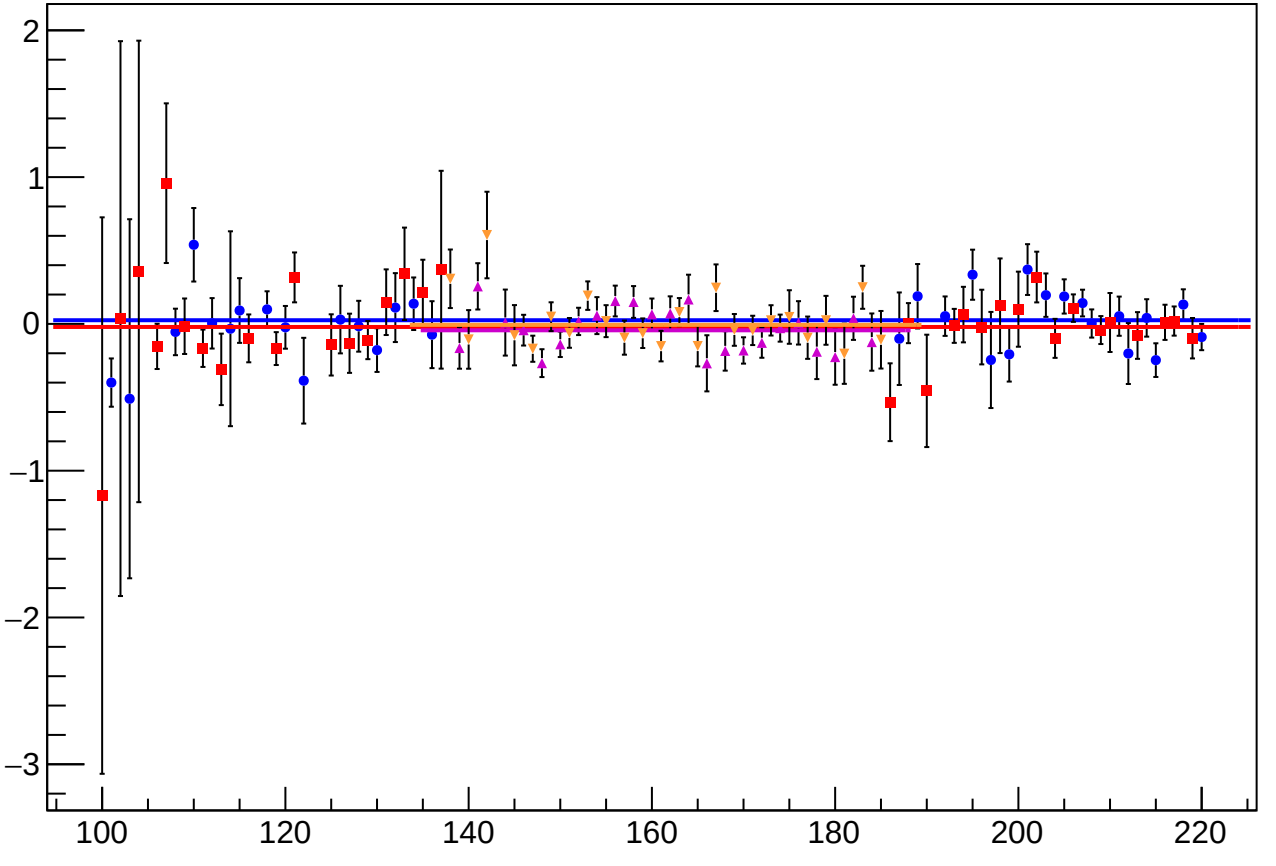
Right: 106.483+/-0.014 χ^2/NDF: 8775526.1/67

In: 101.701+/-0.013 χ^2/NDF:5728275.1/55

Out: 103.387+/-0.013 χ^2/NDF:7272148.1/58

All: 102.520+/-0.009 χ^2/NDF: 13008737.0/11

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.027 χ^2/NDF: 41.4/32

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

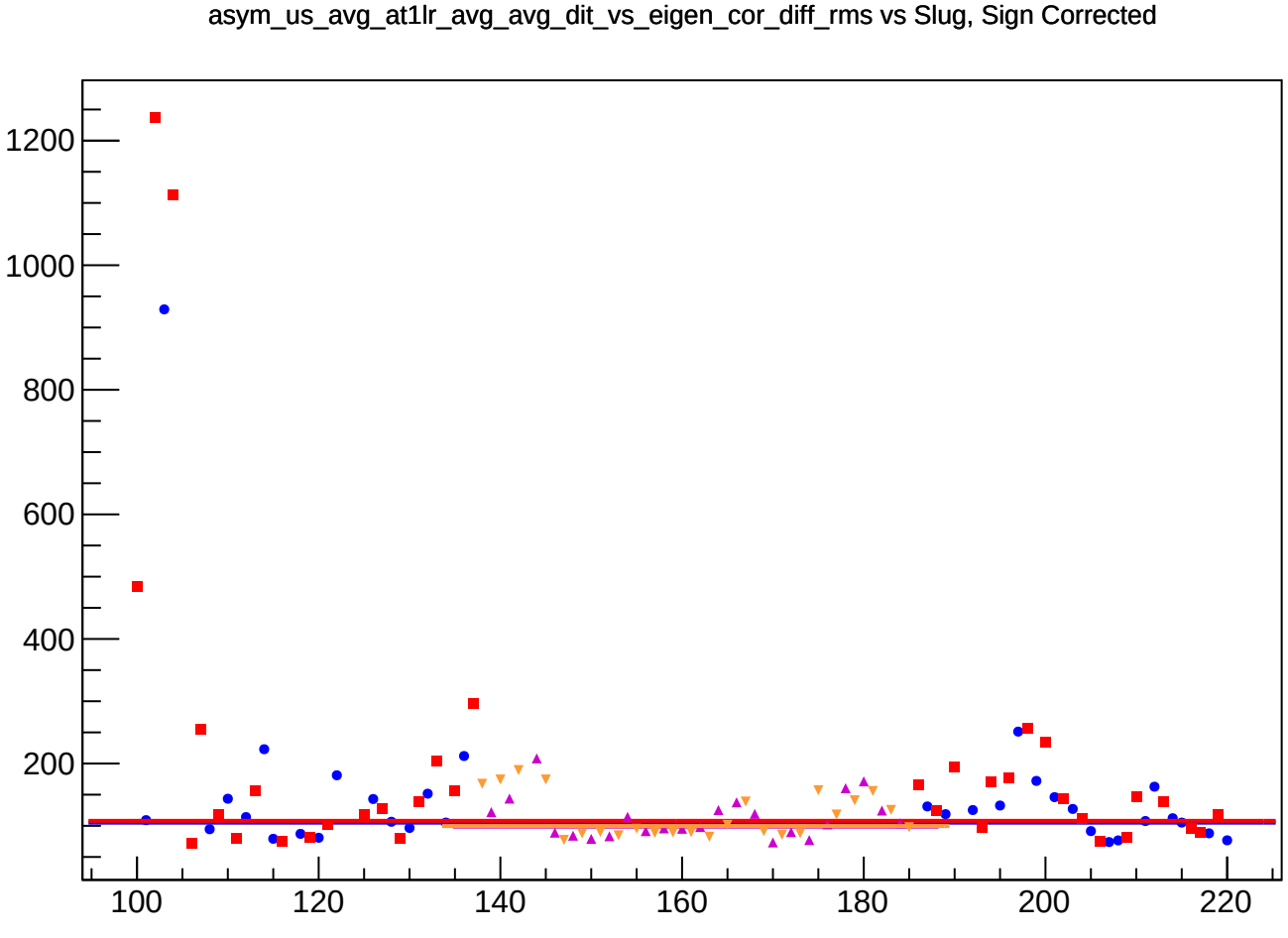
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.003+/-0.019 χ^2/NDF: 72.8/67

In: -0.011+/-0.018 χ^2/NDF:75.1/55

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.012+/-0.013 χ^2/NDF: 133.0/114



Right In: 105.110+/-0.019 χ^2/NDF: 3662726.9/32

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

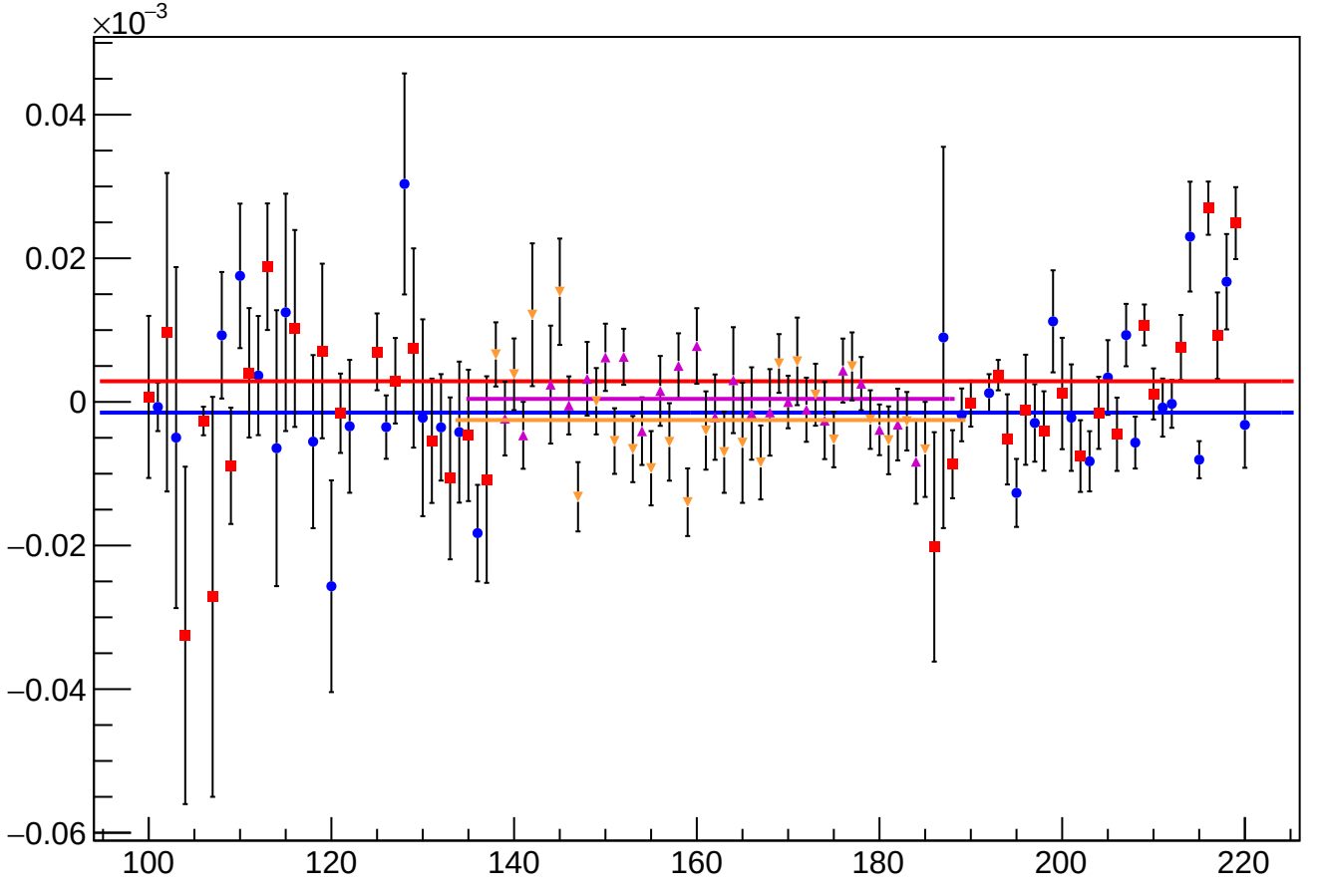
Right: 106.483+/-0.014 χ^2/NDF: 8775526.1/67

In: 101.701+/-0.013 χ^2/NDF:5728275.1/55

Out: 103.387+/-0.013 χ^2/NDF:7272148.1/58

All: 102.520+/-0.009 χ^2/NDF: 13008737.0/11

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 65.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 113.9/34

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

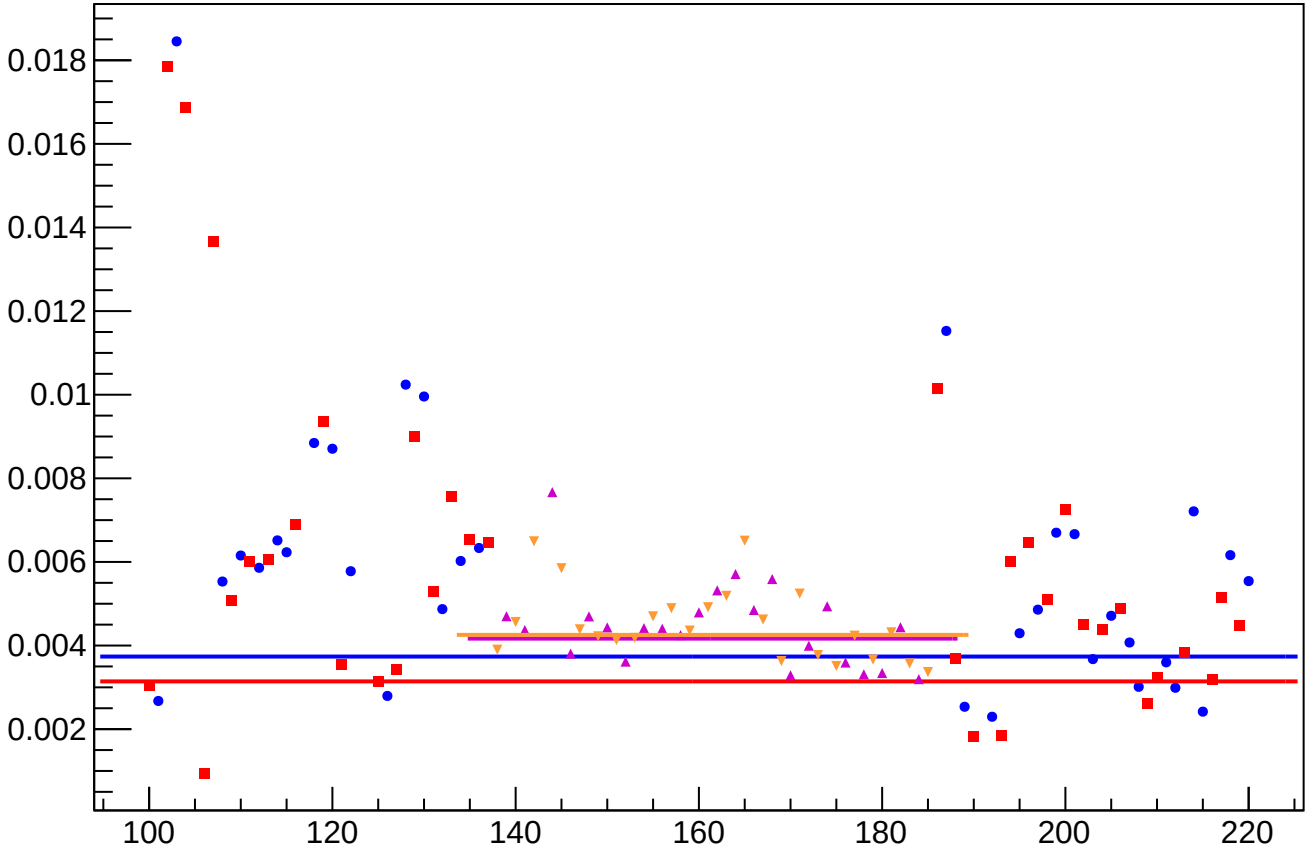
Right: 0.000+/-0.000 χ^2/NDF: 191.9/67

In: -0.000+/-0.000 χ^2/NDF:83.5/55

Out: 0.000+/-0.000 χ^2/NDF:171.0/58

All: 0.000+/-0.000 χ^2/NDF: 256.4/114

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: 6786021.4/32

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10784398.7/34

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

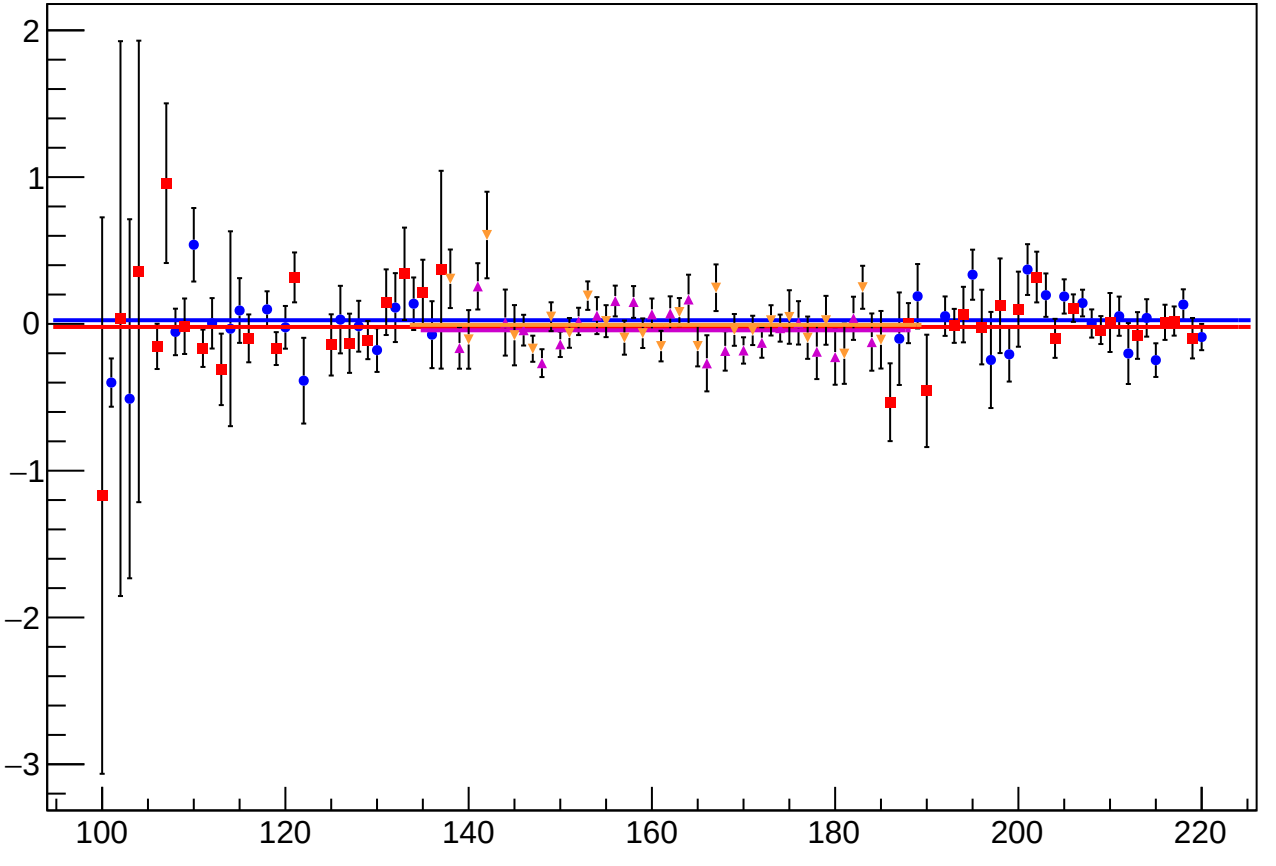
Right: 0.003+/-0.000 χ^2/NDF: 18030357.6/67

In: 0.004+/-0.000 χ^2/NDF:8265224.0/55

Out: 0.004+/-0.000 χ^2/NDF:13054075.5/58

All: 0.004+/-0.000 χ^2/NDF: 21583605.7/114

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.027 χ^2/NDF: 41.4/32

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

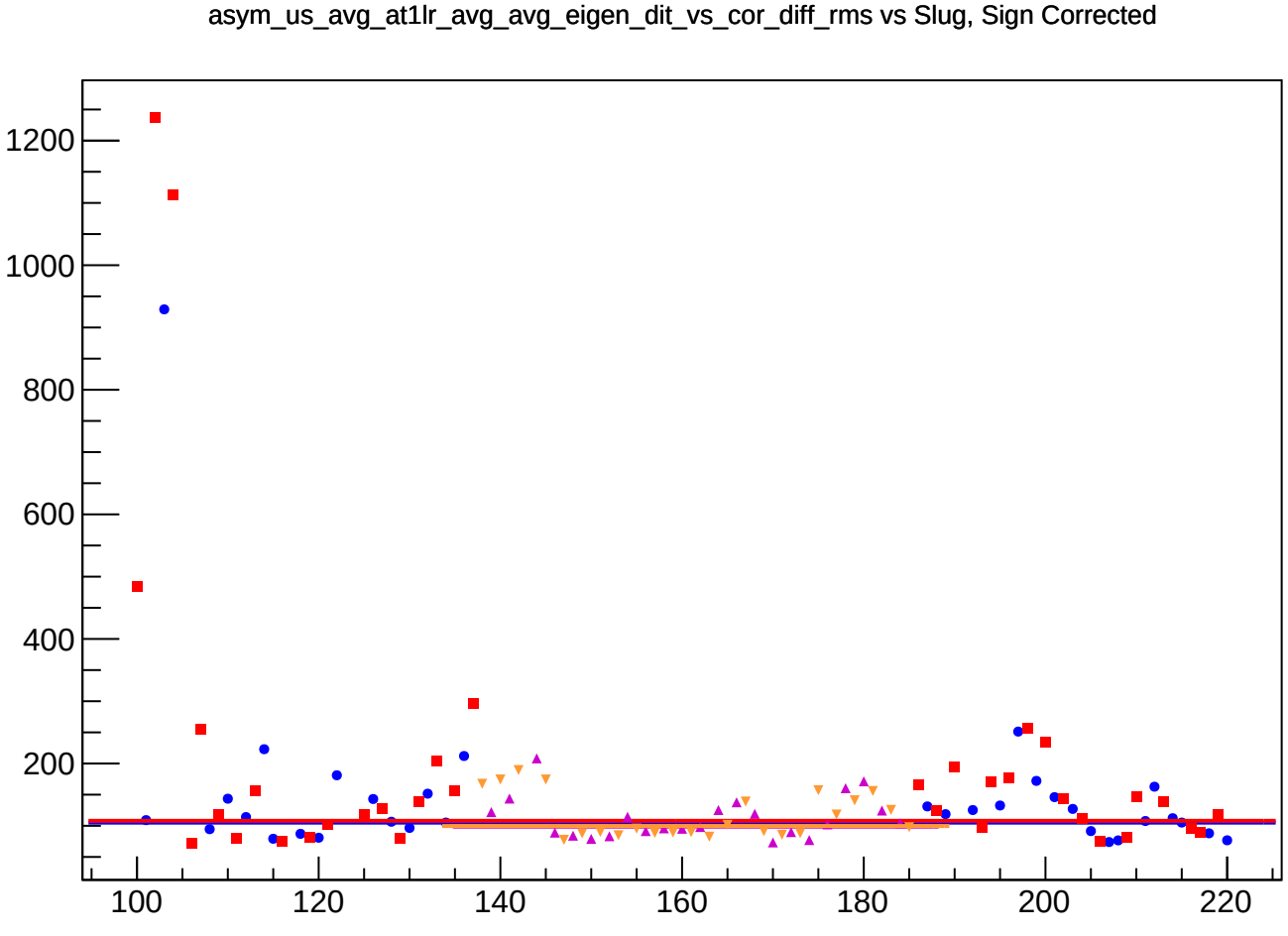
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.003+/-0.019 χ^2/NDF: 72.8/67

In: -0.011+/-0.018 χ^2/NDF:75.1/55

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.012+/-0.013 χ^2/NDF: 133.0/114



Right In: 105.110+/-0.019 χ^2/NDF: 3662655.1/32

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.997+/-0.020 χ^2/NDF: 5101548.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

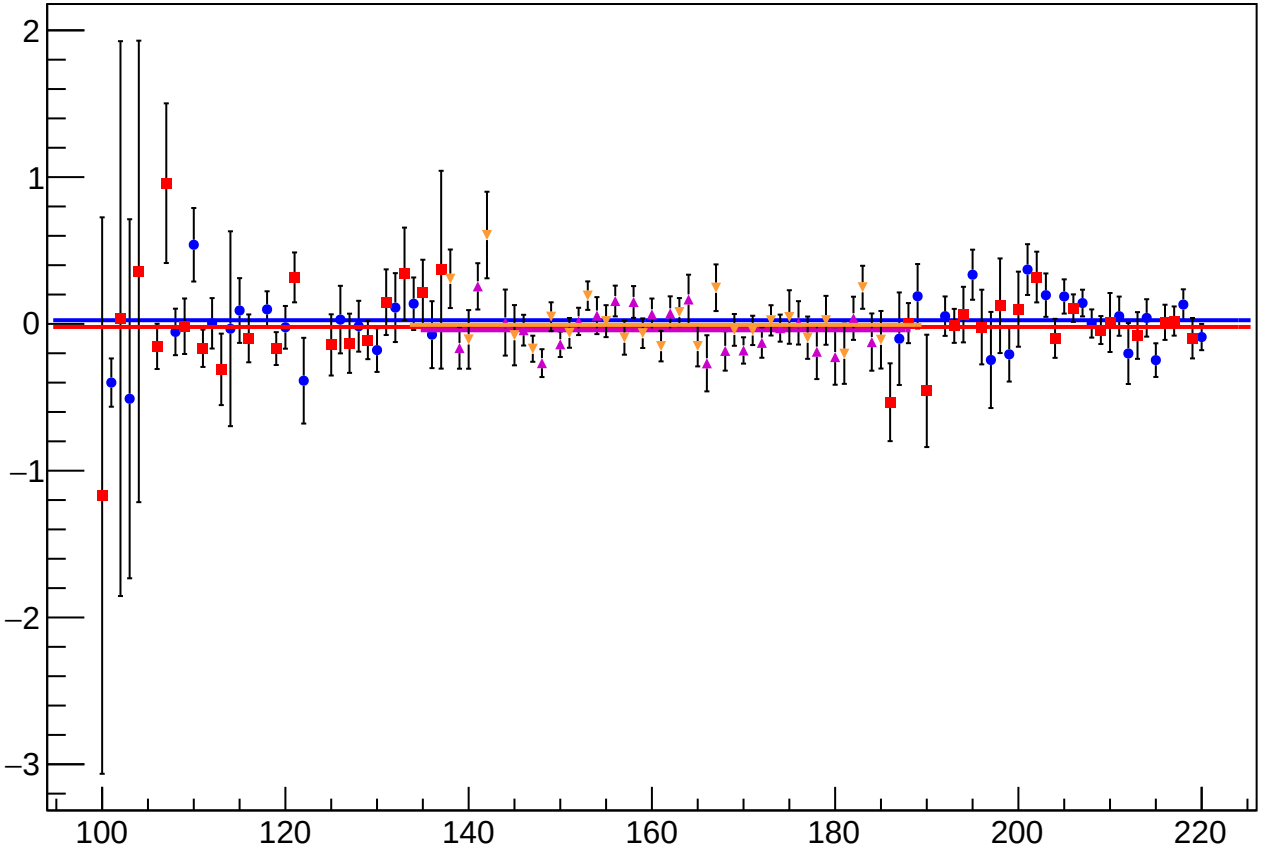
Right: 106.483+/-0.014 χ^2/NDF: 8775431.4/67

In: 101.701+/-0.013 χ^2/NDF:5728162.7/55

Out: 103.387+/-0.013 χ^2/NDF:7272069.1/58

All: 102.521+/-0.009 χ^2/NDF: 13008546.3/1

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.027 χ^2/NDF: 41.4/32

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

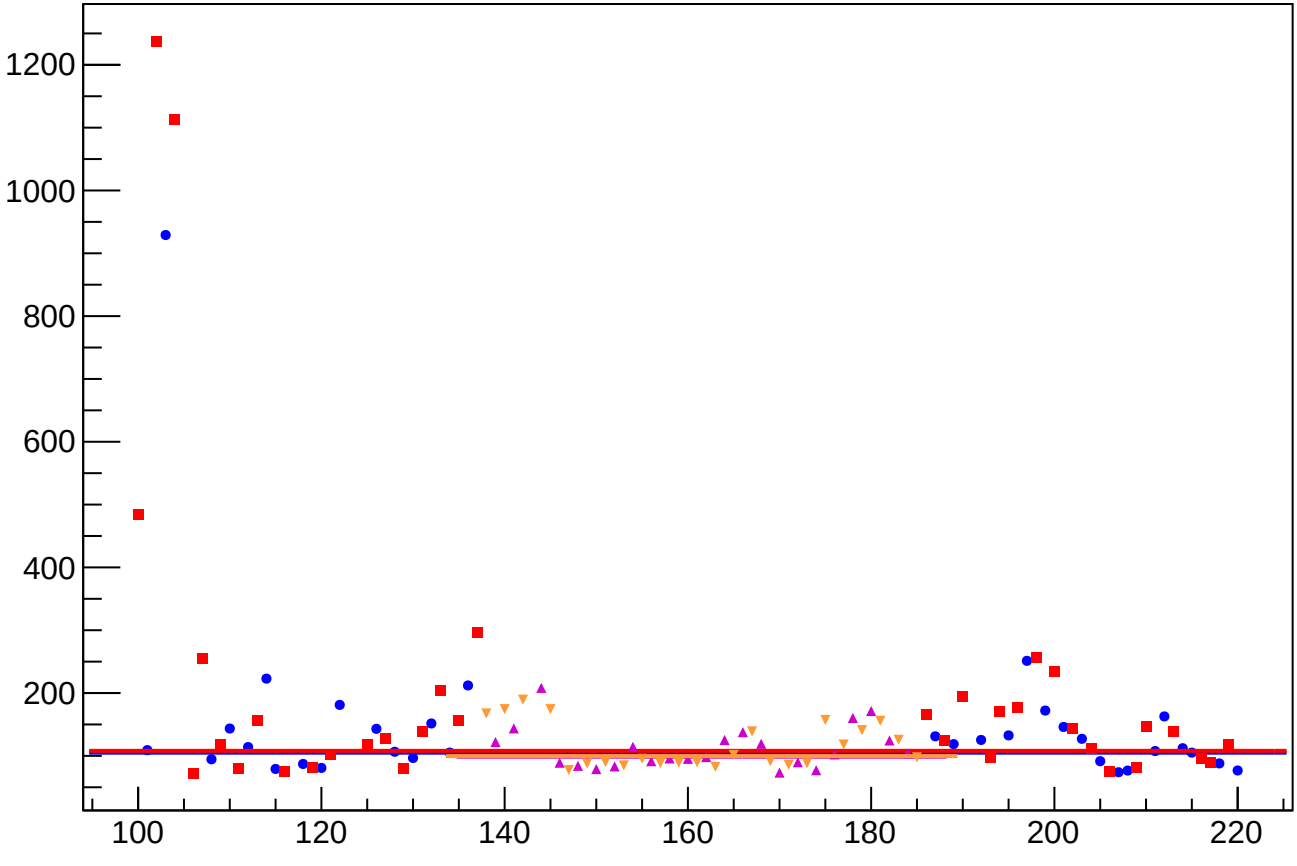
Right: 0.003+/-0.019 χ^2/NDF: 72.8/67

In: -0.011+/-0.018 χ^2/NDF:75.1/55

Out: -0.013+/-0.019 χ^2/NDF:57.9/58

All: -0.012+/-0.013 χ^2/NDF: 133.0/114

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 105.110+/-0.019 χ^2/NDF: 3662655.1/32

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.997+/-0.020 χ^2/NDF: 5101548.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

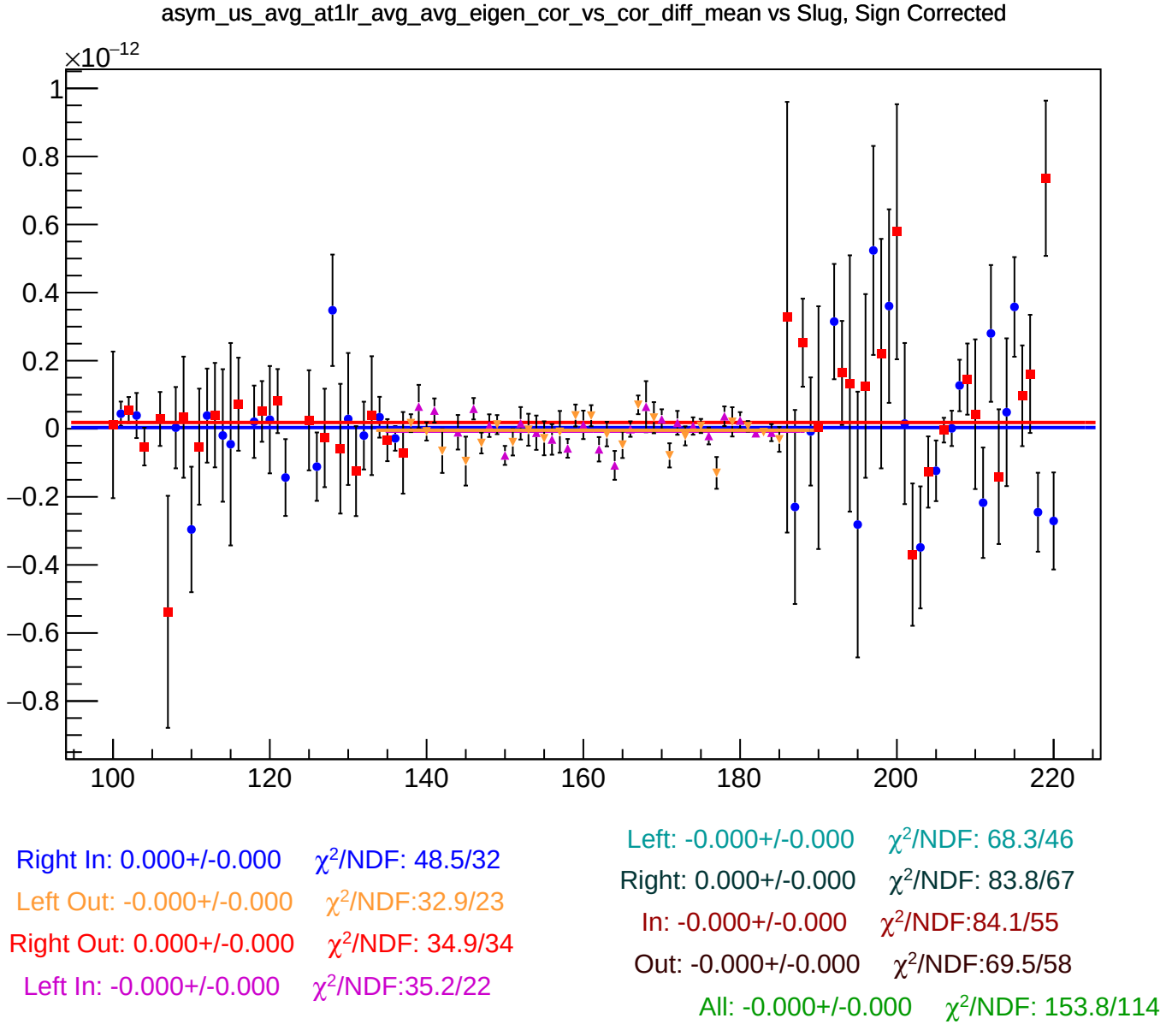
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

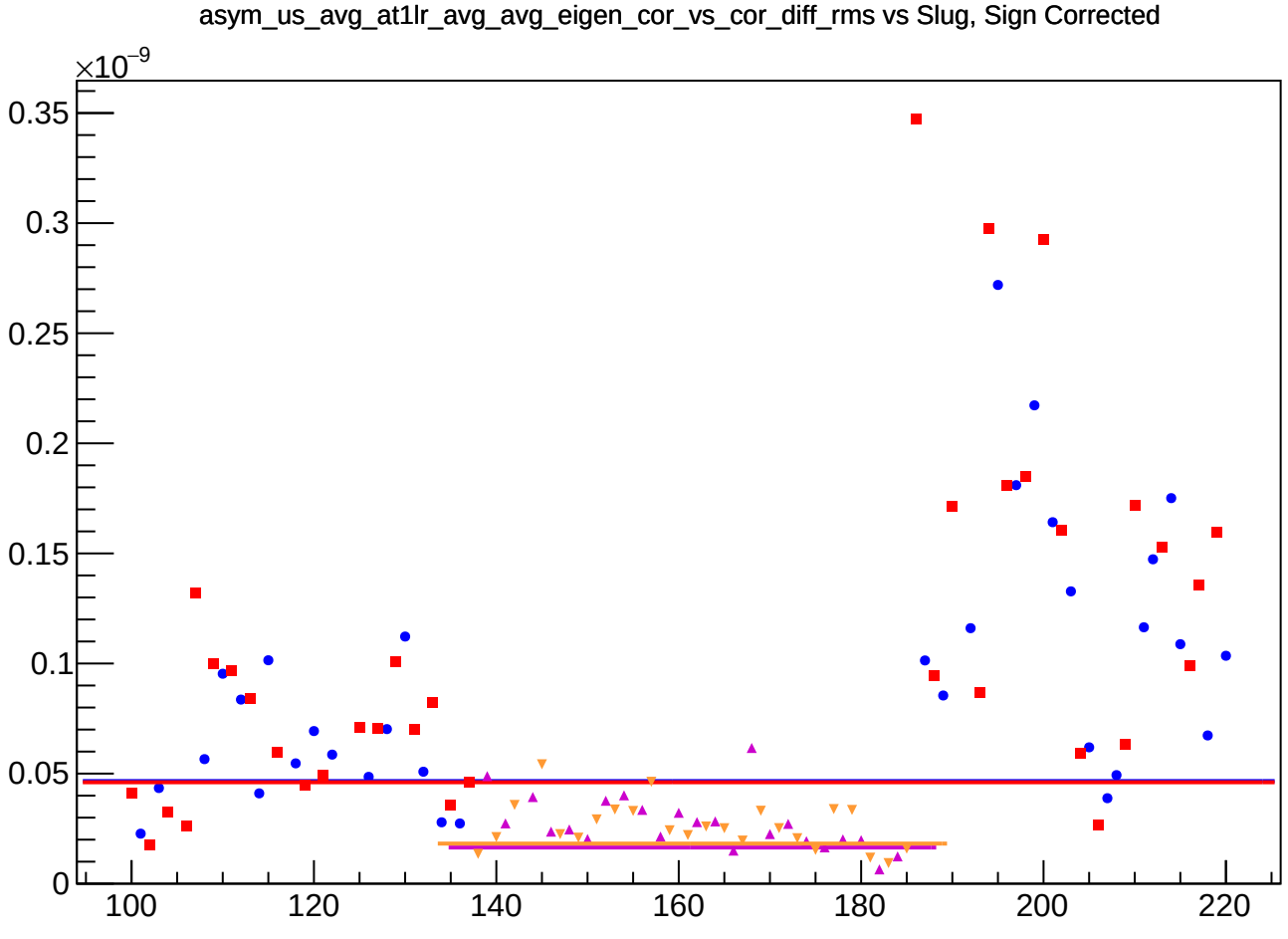
Right: 106.483+/-0.014 χ^2/NDF: 8775431.4/67

In: 101.701+/-0.013 χ^2/NDF:5728162.7/55

Out: 103.387+/-0.013 χ^2/NDF:7272069.1/58

All: 102.521+/-0.009 χ^2/NDF: 13008546.3/1


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 48.5/32
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.9/34
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 83.8/67
In: -0.000+/-0.000 χ²/NDF:84.1/55
Out: -0.000+/-0.000 χ²/NDF:69.5/58
All: -0.000+/-0.000 χ²/NDF: 153.8/114



Right In: 0.000+/-0.000 χ^2/NDF: 8060127.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9952500.3/34

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

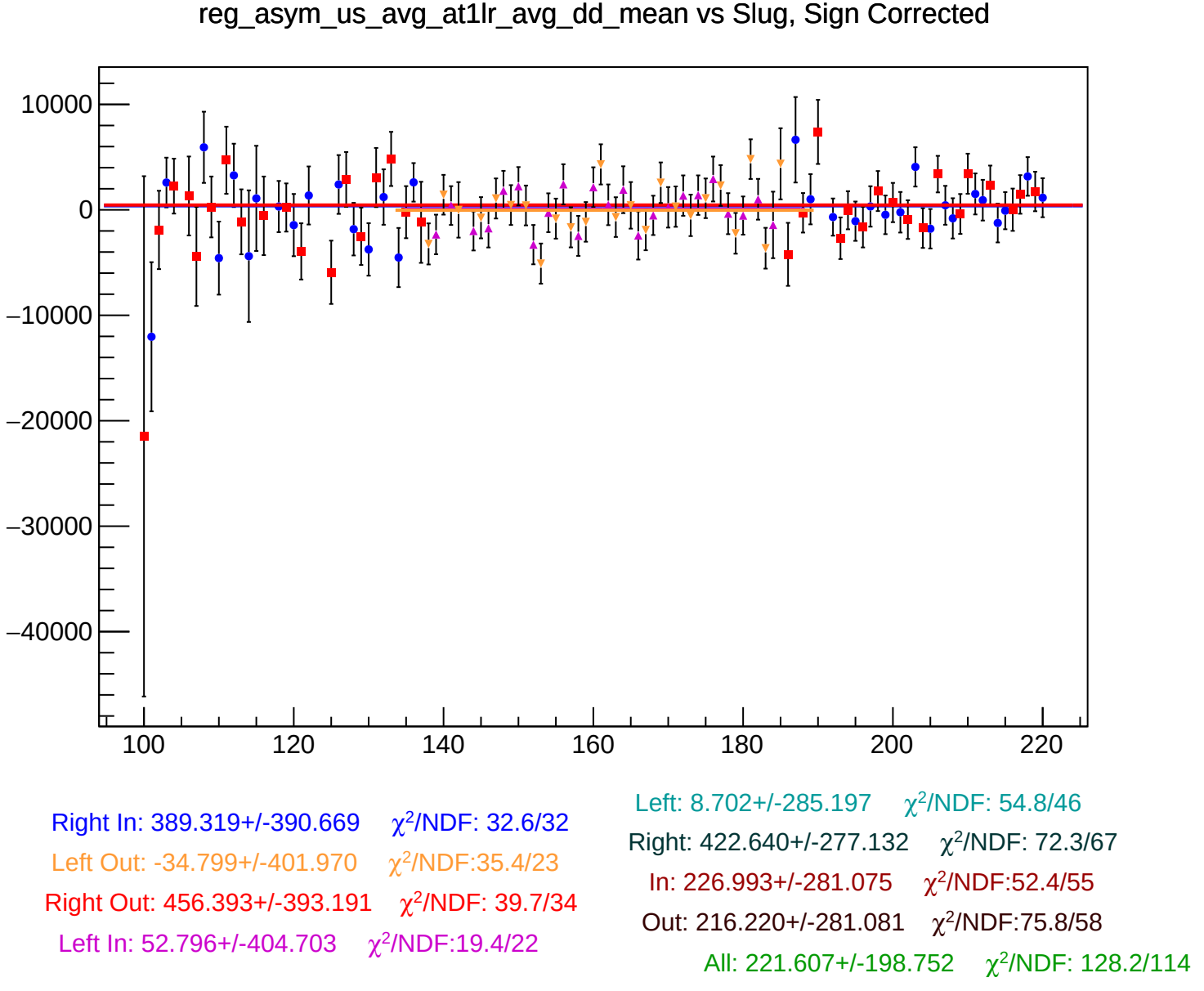
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

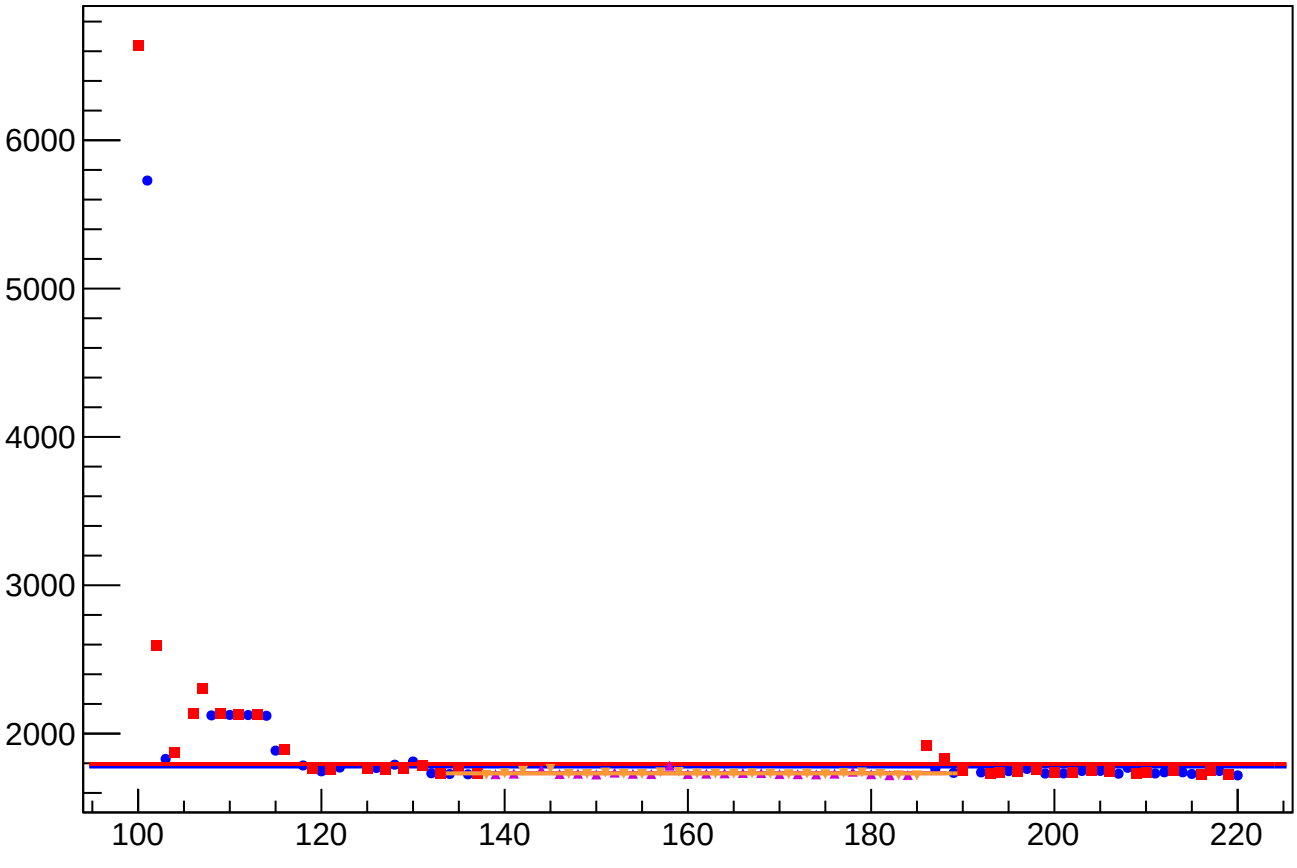
Right: 0.000+/-0.000 χ^2/NDF: 18013684.6/67

In: 0.000+/-0.000 χ^2/NDF:21308876.3/55

Out: 0.000+/-0.000 χ^2/NDF:18994484.6/58

All: 0.000+/-0.000 χ^2/NDF: 40393000.6/114


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 389.319+/-390.669 χ²/NDF: 32.6/32
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: 456.393+/-393.191 χ²/NDF: 39.7/34
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 422.640+/-277.132 χ²/NDF: 72.3/67
In: 226.993+/-281.075 χ²/NDF:52.4/55
Out: 216.220+/-281.081 χ²/NDF:75.8/58
All: 221.607+/-198.752 χ²/NDF: 128.2/114



Right In: 1778.178+/-0.276 χ^2/NDF: 717347.2/32

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1795.108+/-0.278 χ^2/NDF: 319975.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

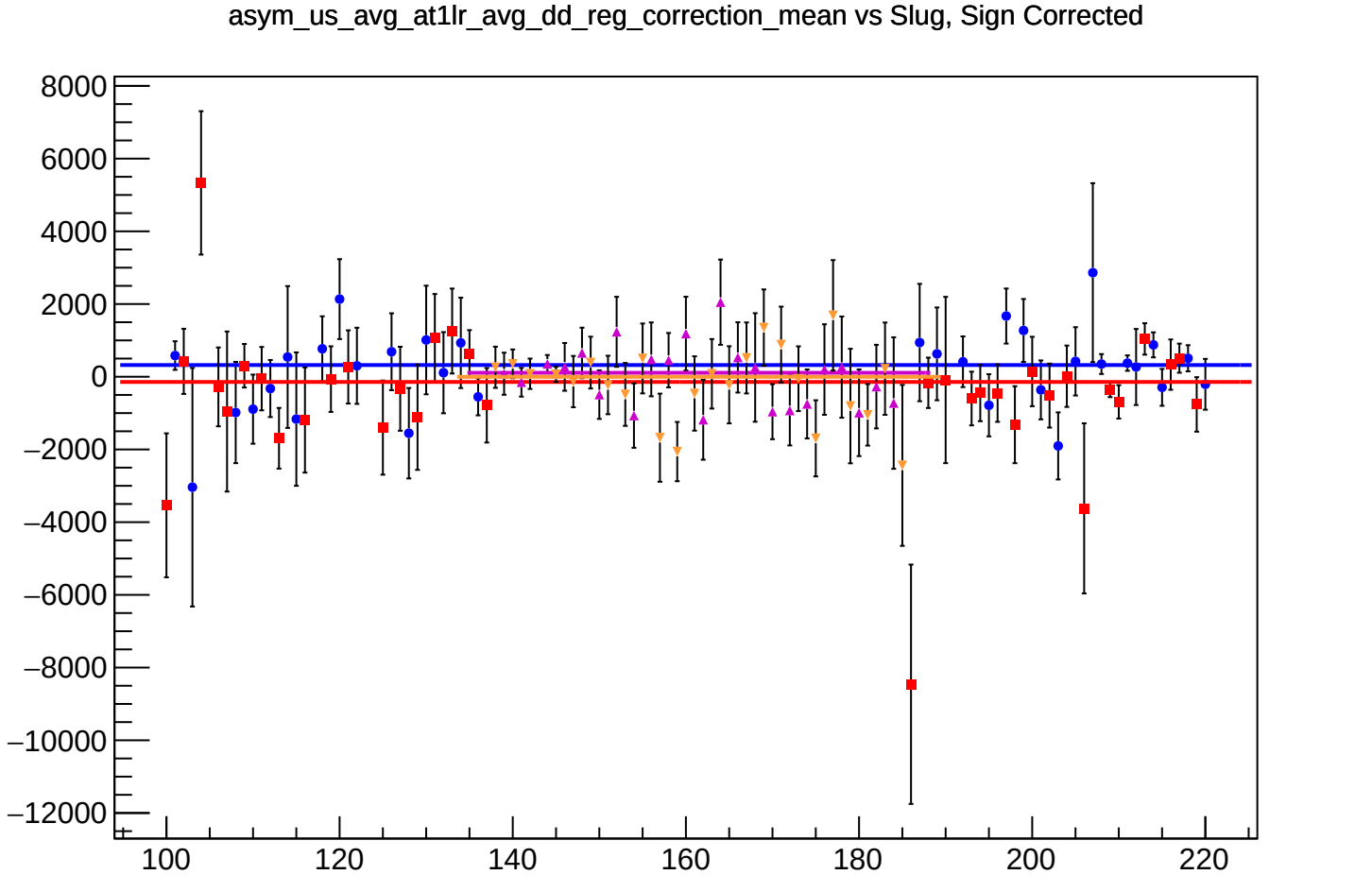
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1786.588+/-0.196 χ^2/NDF: 1039188.7/67

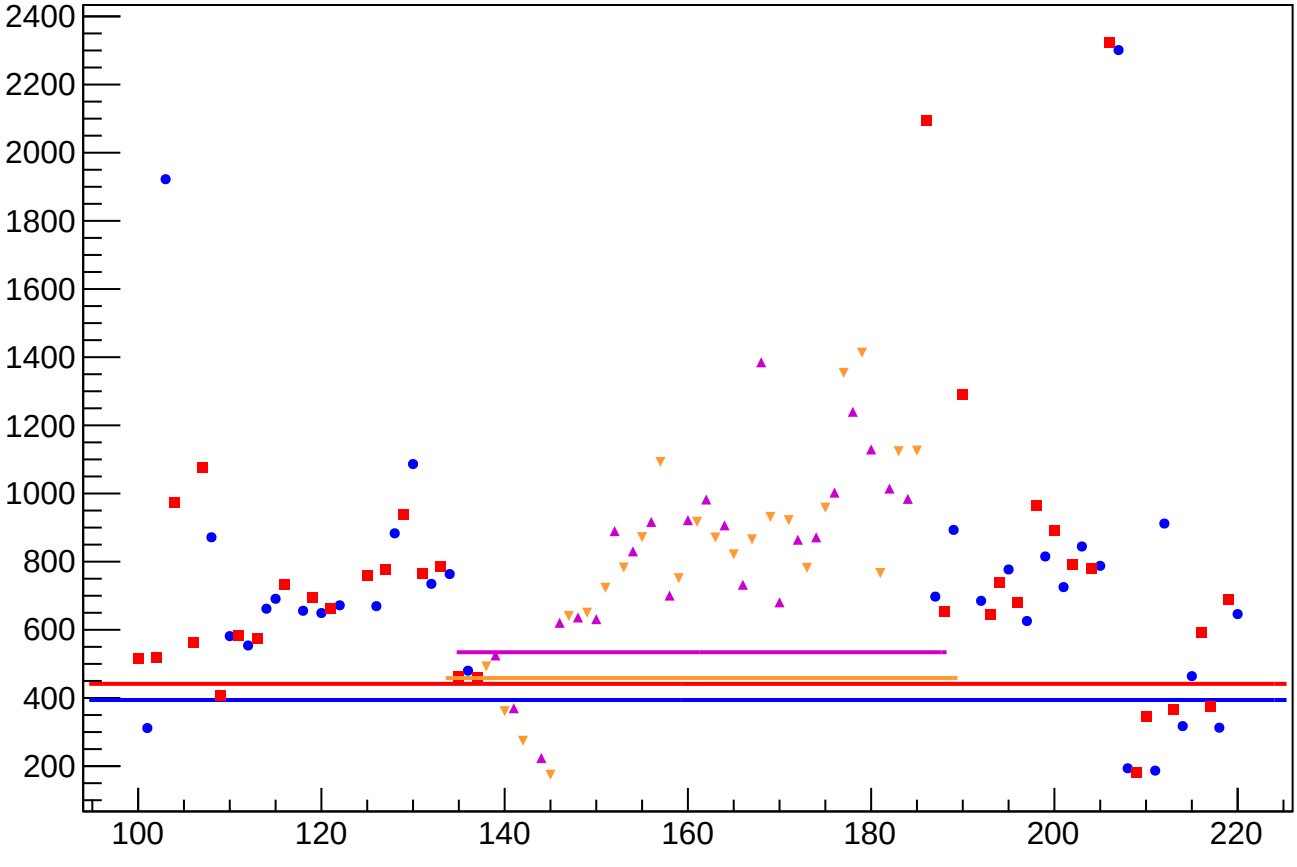
In: 1756.538+/-0.199 χ^2/NDF:732299.4/55

Out: 1764.244+/-0.199 χ^2/NDF:346116.8/58

All: 1760.391+/-0.141 χ^2/NDF: 1079167.9/11


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 321.923+/-104.981 χ²/NDF: 33.0/32
Left Out: -2.406+/-130.052 χ²/NDF:20.3/23
Right Out: -143.447+/-115.645 χ²/NDF: 46.3/34
Left In: 108.386+/-143.315 χ²/NDF:17.0/22
Left: 47.628+/-96.309 χ²/NDF: 37.6/46
Right: 111.680+/-77.730 χ²/NDF: 88.2/67
In: 247.354+/-84.690 χ²/NDF:51.5/55
Out: -81.168+/-86.420 χ²/NDF:67.2/58
All: 86.414+/-60.487 χ²/NDF: 126.1/114

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 394.115+/-0.074 χ^2/NDF: 10841096.1/32

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 441.474+/-0.082 χ^2/NDF: 9917680.0/34

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

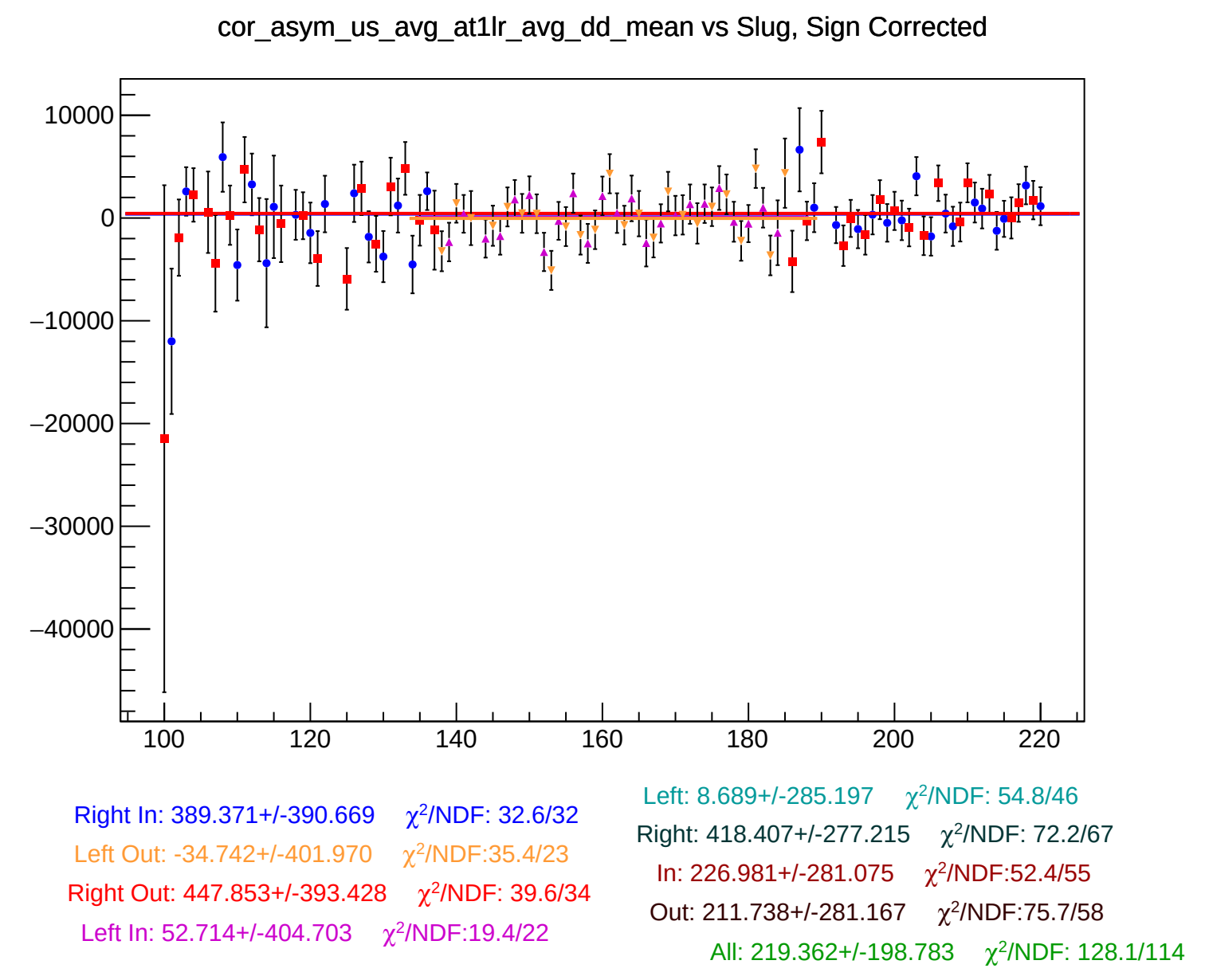
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

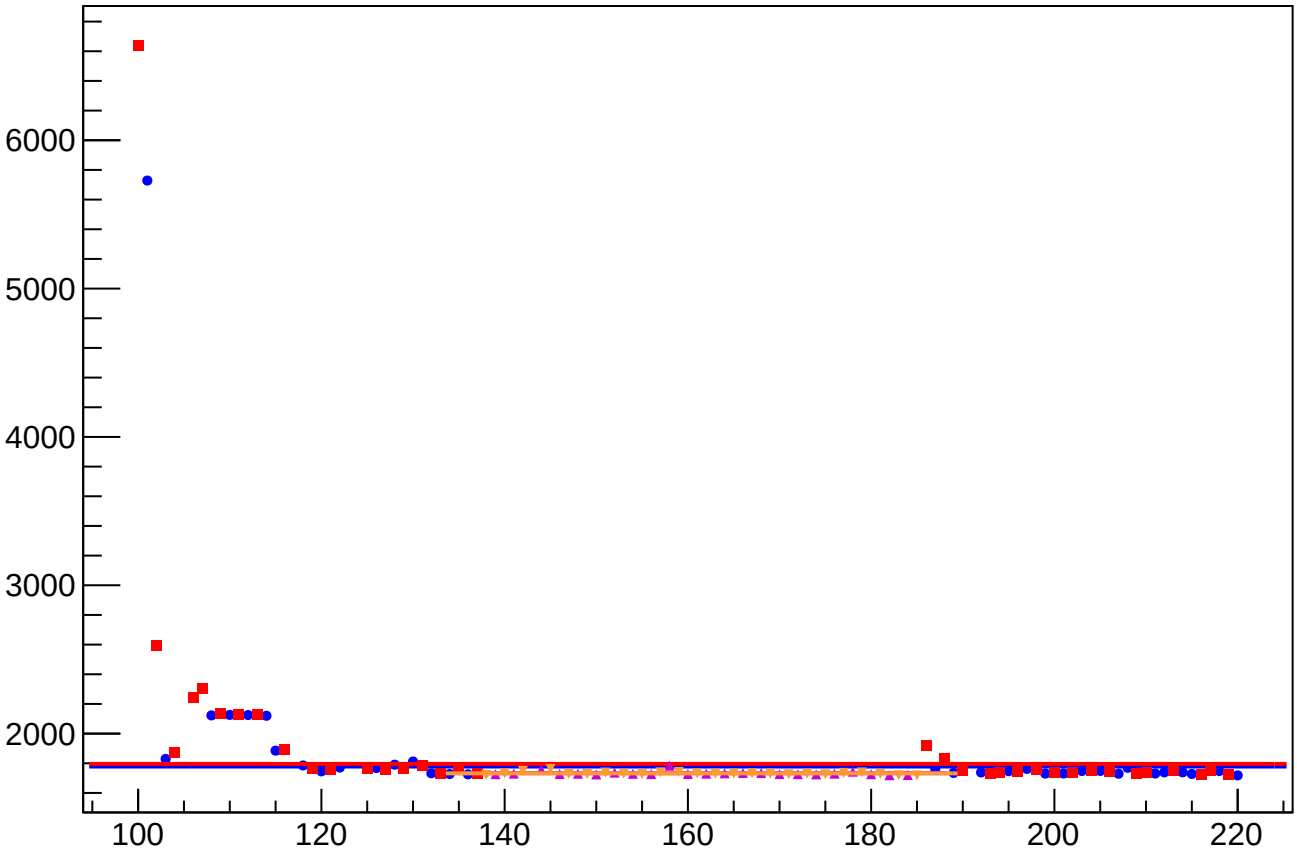
Right: 415.511+/-0.055 χ^2/NDF: 20942656.6/67

In: 443.020+/-0.060 χ^2/NDF:20527265.4/55

Out: 449.027+/-0.061 χ^2/NDF:21363733.9/58

All: 445.963+/-0.043 χ^2/NDF: 41895928.5/1


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 389.371+/-390.669 χ²/NDF: 32.6/32
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 447.853+/-393.428 χ²/NDF: 39.6/34
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 418.407+/-277.215 χ²/NDF: 72.2/67
In: 226.981+/-281.075 χ²/NDF:52.4/55
Out: 211.738+/-281.167 χ²/NDF:75.7/58
All: 219.362+/-198.783 χ²/NDF: 128.1/114



Right In: 1778.177+/-0.276 χ^2/NDF: 717347.1/32

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

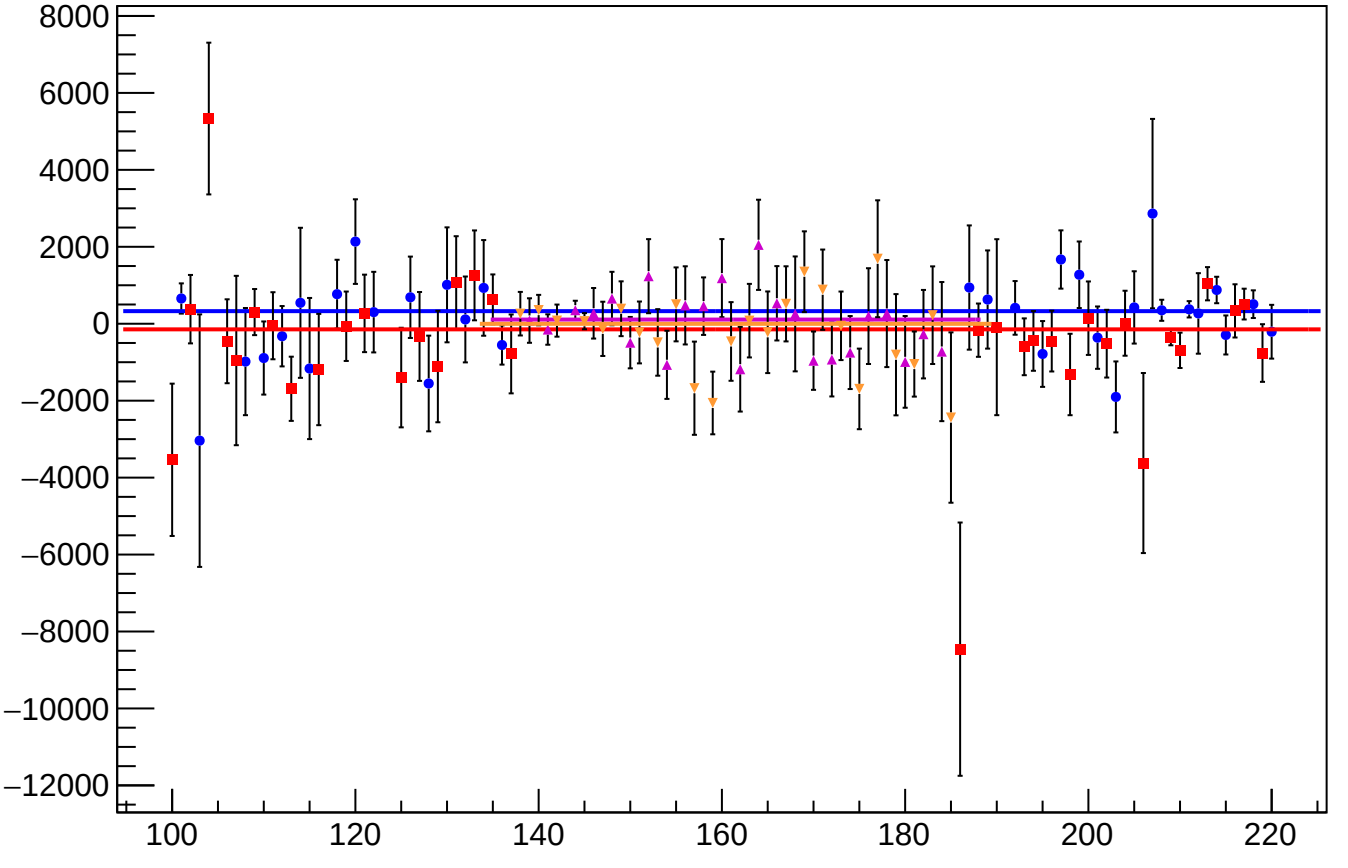
Right: 1786.893+/-0.196 χ^2/NDF: 1048045.5/67

In: 1756.538+/-0.199 χ^2/NDF:732299.2/55

Out: 1764.543+/-0.199 χ^2/NDF:355320.5/58

All: 1760.539+/-0.141 χ^2/NDF: 1088430.7/11

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 327.268+/-104.970 χ^2/NDF: 33.3/32

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -146.094+/-115.637 χ^2/NDF: 46.3/34

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

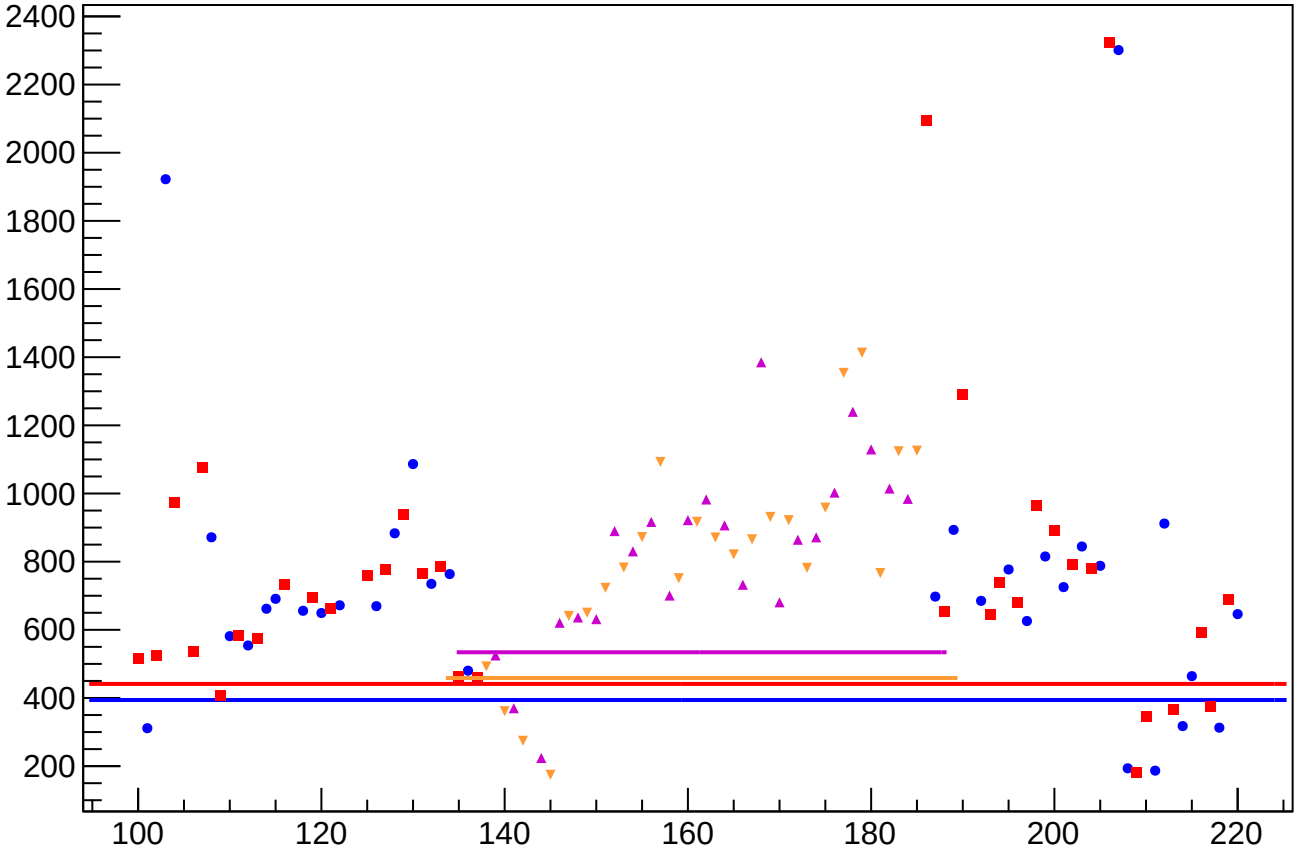
Right: 113.422+/-77.723 χ^2/NDF: 88.8/67

In: 250.834+/-84.684 χ^2/NDF:51.8/55

Out: -82.707+/-86.417 χ^2/NDF:67.3/58

All: 87.441+/-60.484 χ^2/NDF: 126.7/114

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 394.049+/-0.074 χ^2/NDF: 10843288.9/32

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

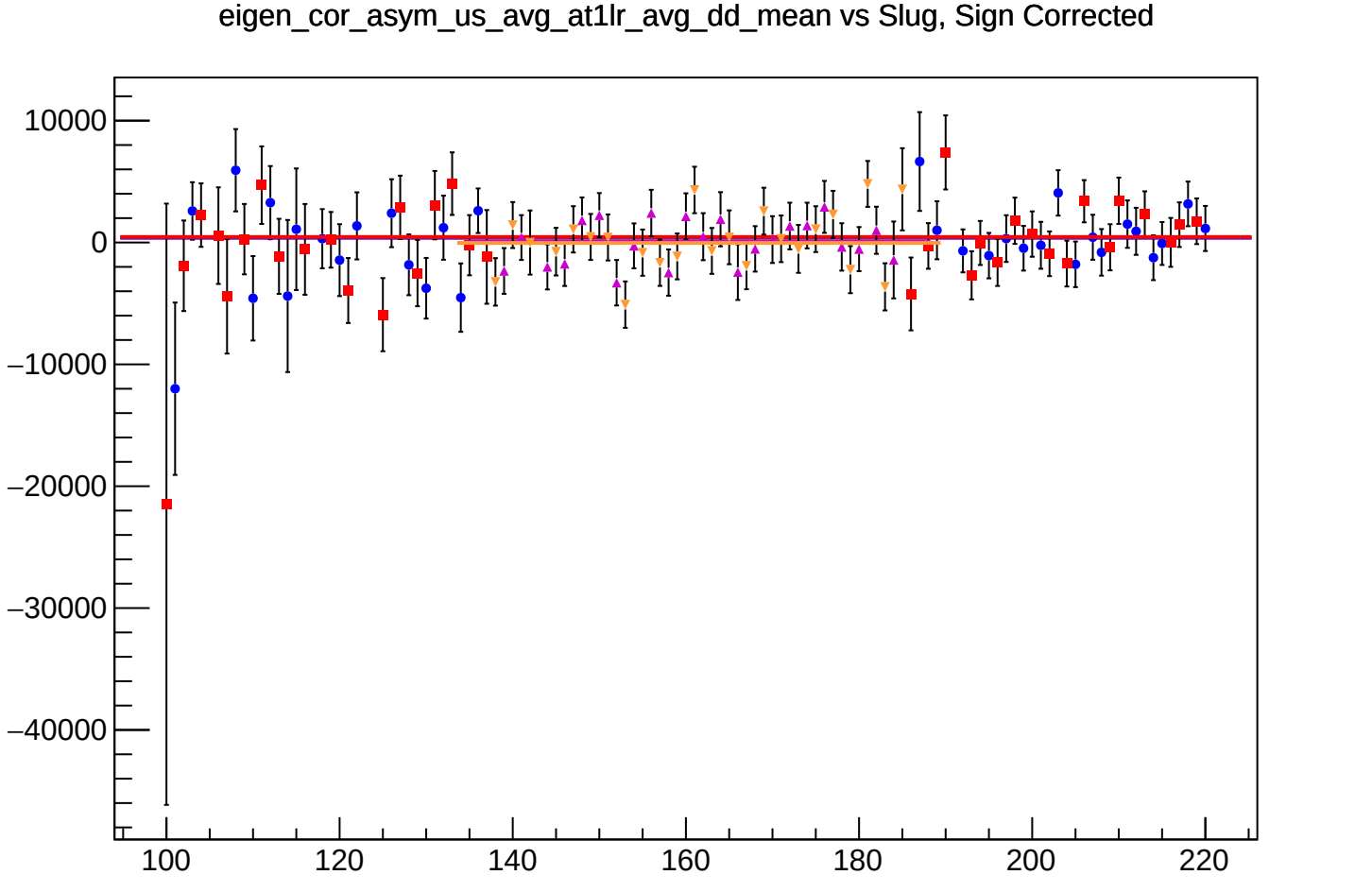
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 415.383+/-0.055 χ^2/NDF: 20937484.5/67

In: 442.973+/-0.060 χ^2/NDF:20530382.5/55

Out: 448.919+/-0.061 χ^2/NDF:21357448.3/58

All: 445.885+/-0.043 χ^2/NDF: 41892660.7/11



Right In: 389.371+/-390.669 χ^2/NDF: 32.6/32

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 447.853+/-393.428 χ^2/NDF: 39.6/34

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

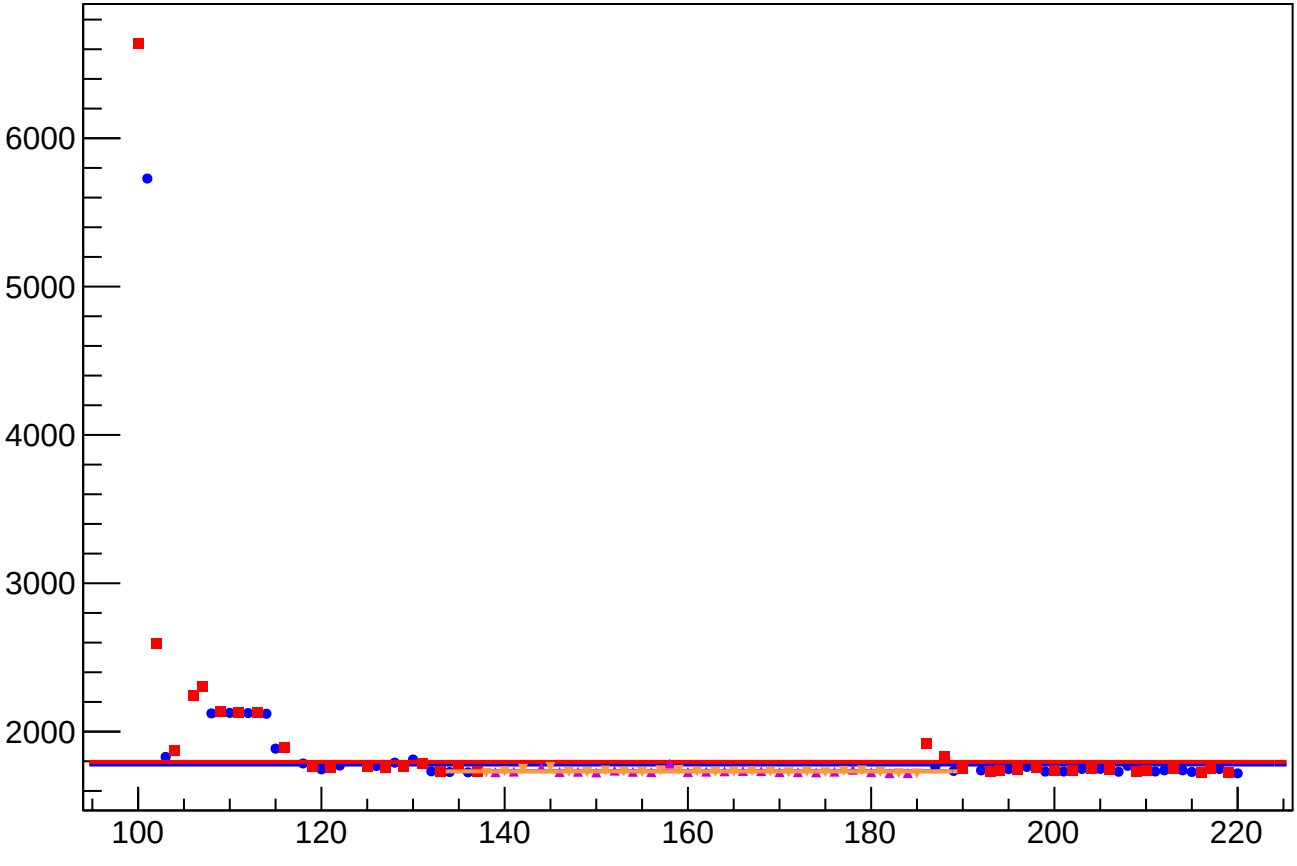
Right: 418.407+/-277.215 χ^2/NDF: 72.2/67

In: 226.981+/-281.075 χ^2/NDF:52.4/55

Out: 211.738+/-281.167 χ^2/NDF:75.7/58

All: 219.362+/-198.783 χ^2/NDF: 128.1/114

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1778.177+/-0.276 χ^2/NDF: 717347.1/32

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

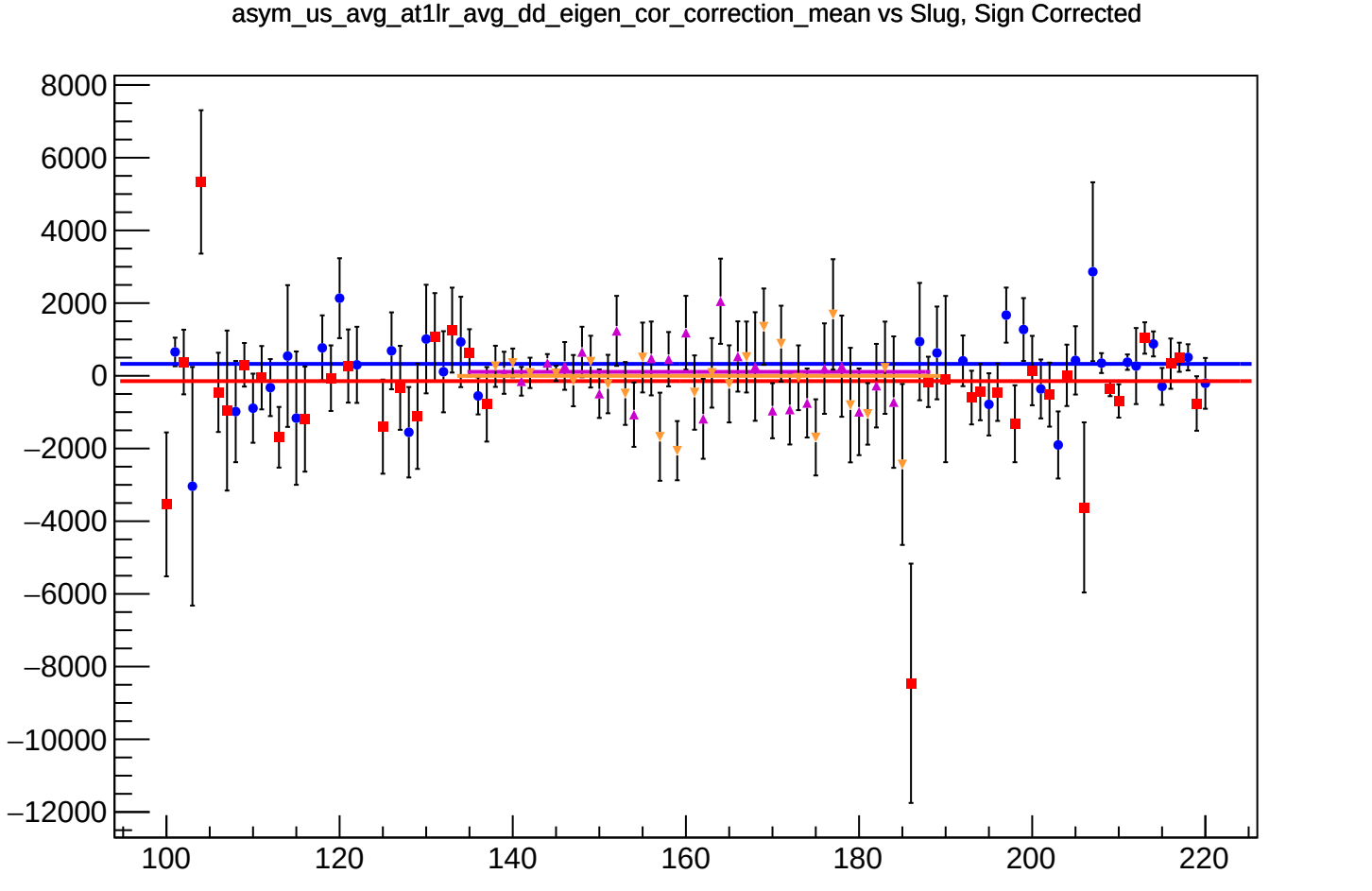
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1786.893+/-0.196 χ^2/NDF: 1048045.5/67

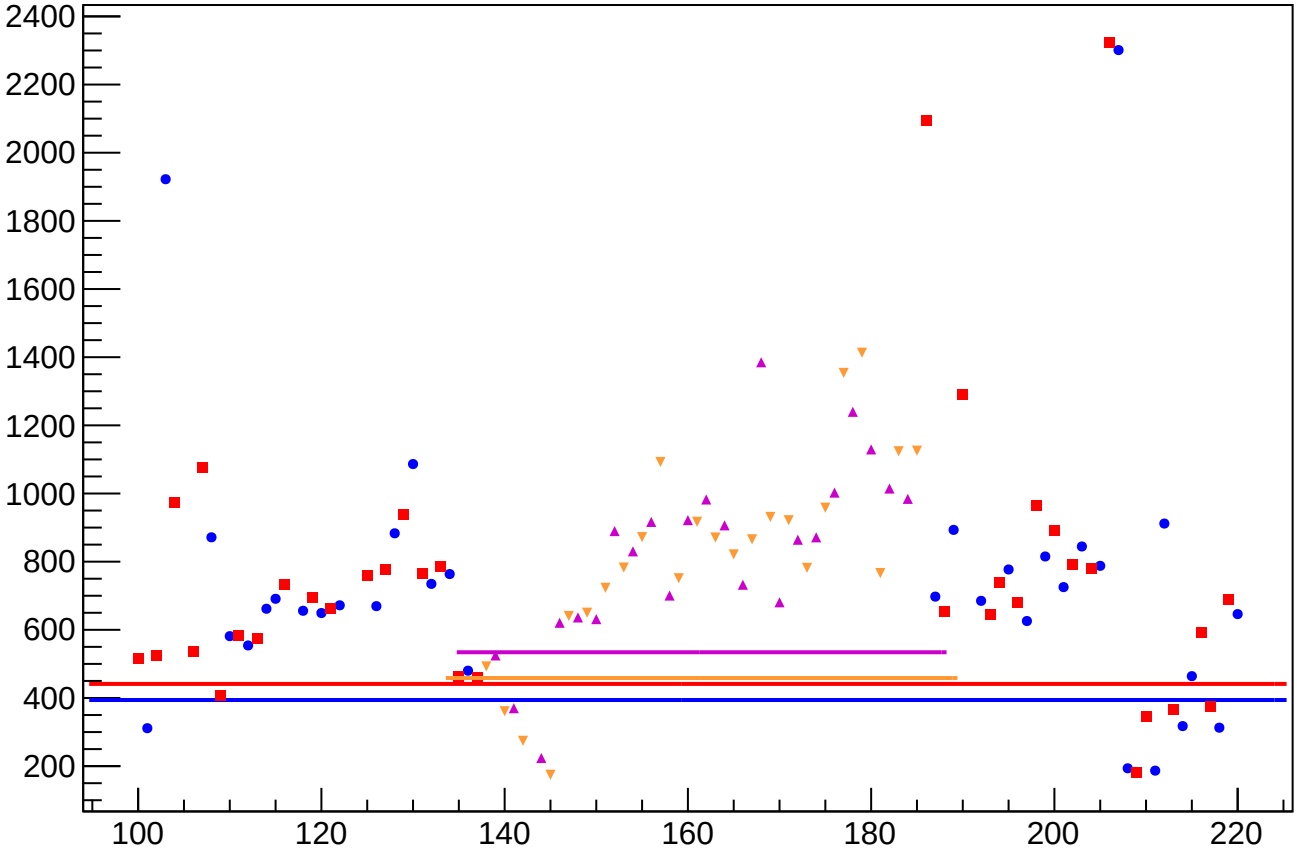
In: 1756.538+/-0.199 χ^2/NDF:732299.2/55

Out: 1764.543+/-0.199 χ^2/NDF:355320.5/58

All: 1760.539+/-0.141 χ^2/NDF: 1088430.7/11


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
200
220
Right In: 327.268+/-104.970 χ²/NDF: 33.3/32
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -146.094+/-115.637 χ²/NDF: 46.3/34
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 113.422+/-77.723 χ²/NDF: 88.8/67
In: 250.834+/-84.684 χ²/NDF:51.8/55
Out: -82.707+/-86.417 χ²/NDF:67.3/58
All: 87.441+/-60.484 χ²/NDF: 126.7/114

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 394.049+/-0.074 χ^2/NDF: 10843288.9/32

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

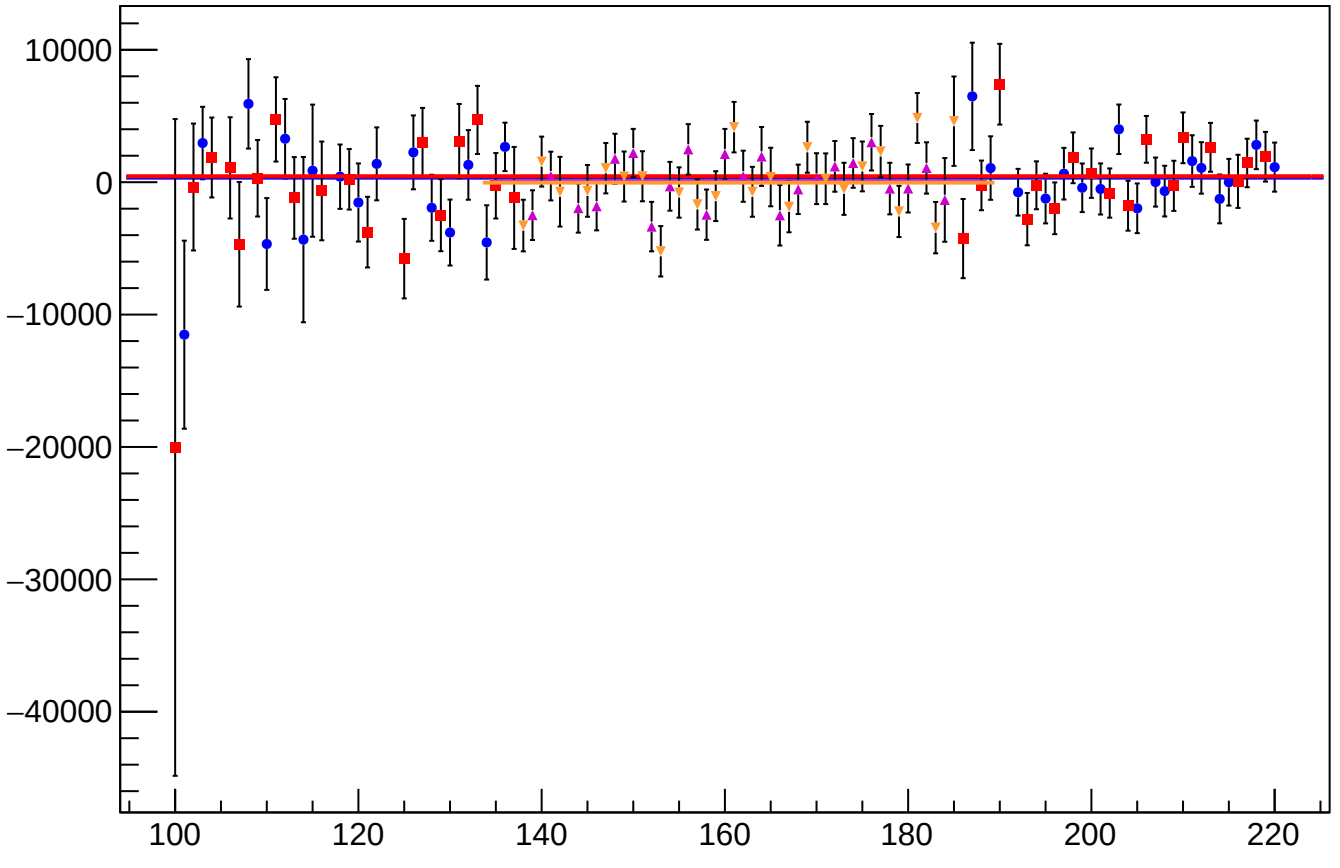
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 415.383+/-0.055 χ^2/NDF: 20937484.5/67

In: 442.973+/-0.060 χ^2/NDF:20530382.5/55

Out: 448.919+/-0.061 χ^2/NDF:21357448.3/58

All: 445.885+/-0.043 χ^2/NDF: 41892660.7/1



Right In: 345.584+/-393.160 χ^2/NDF: 32.3/32

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 450.490+/-396.868 χ^2/NDF: 39.0/34

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

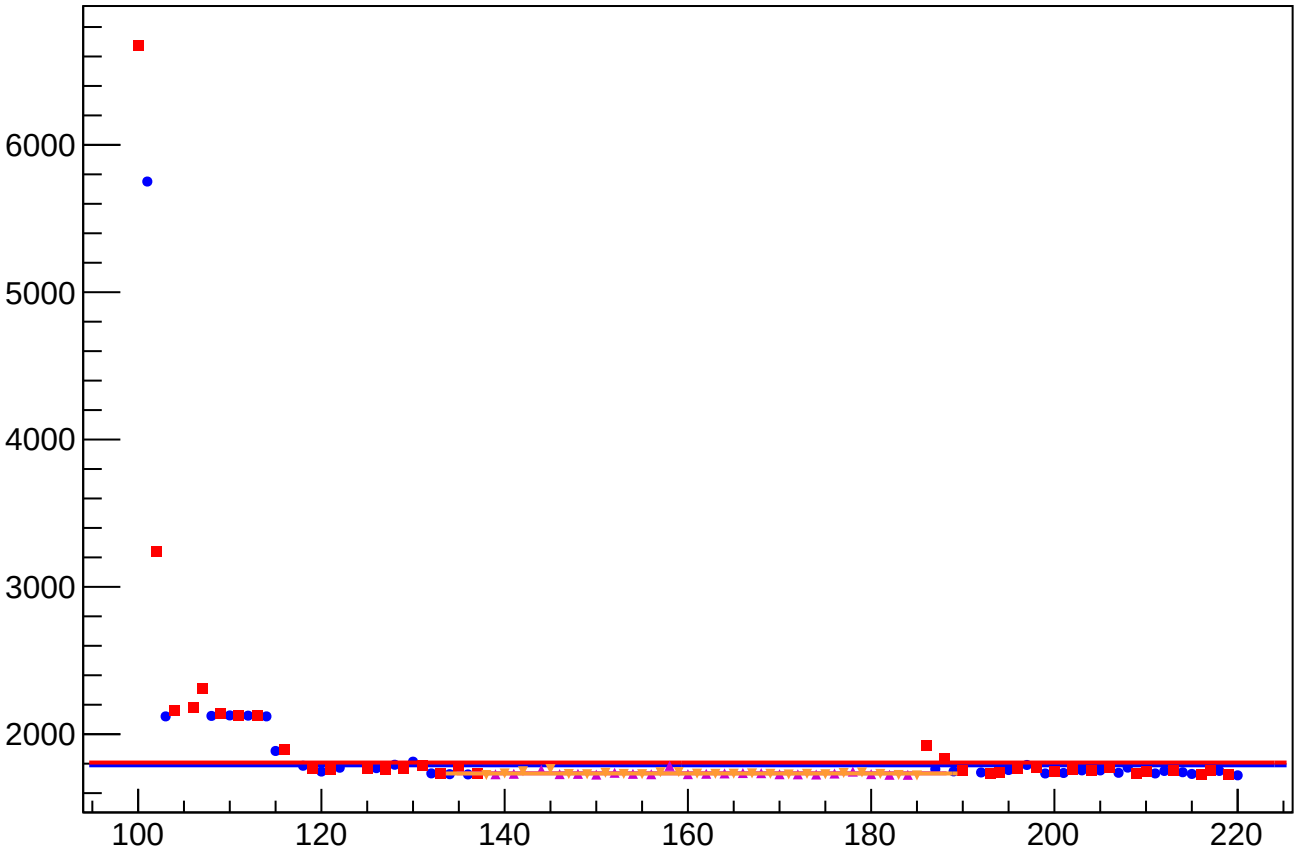
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 397.545+/-279.308 χ^2/NDF: 71.4/67

In: 198.539+/-282.116 χ^2/NDF:52.5/55

Out: 213.823+/-282.535 χ^2/NDF:75.2/58

All: 206.170+/-199.634 χ^2/NDF: 127.7/114



Right In: 1788.862+/-0.278 χ^2/NDF: 745517.8/32

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1807.579+/-0.281 χ^2/NDF: 432011.6/34

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

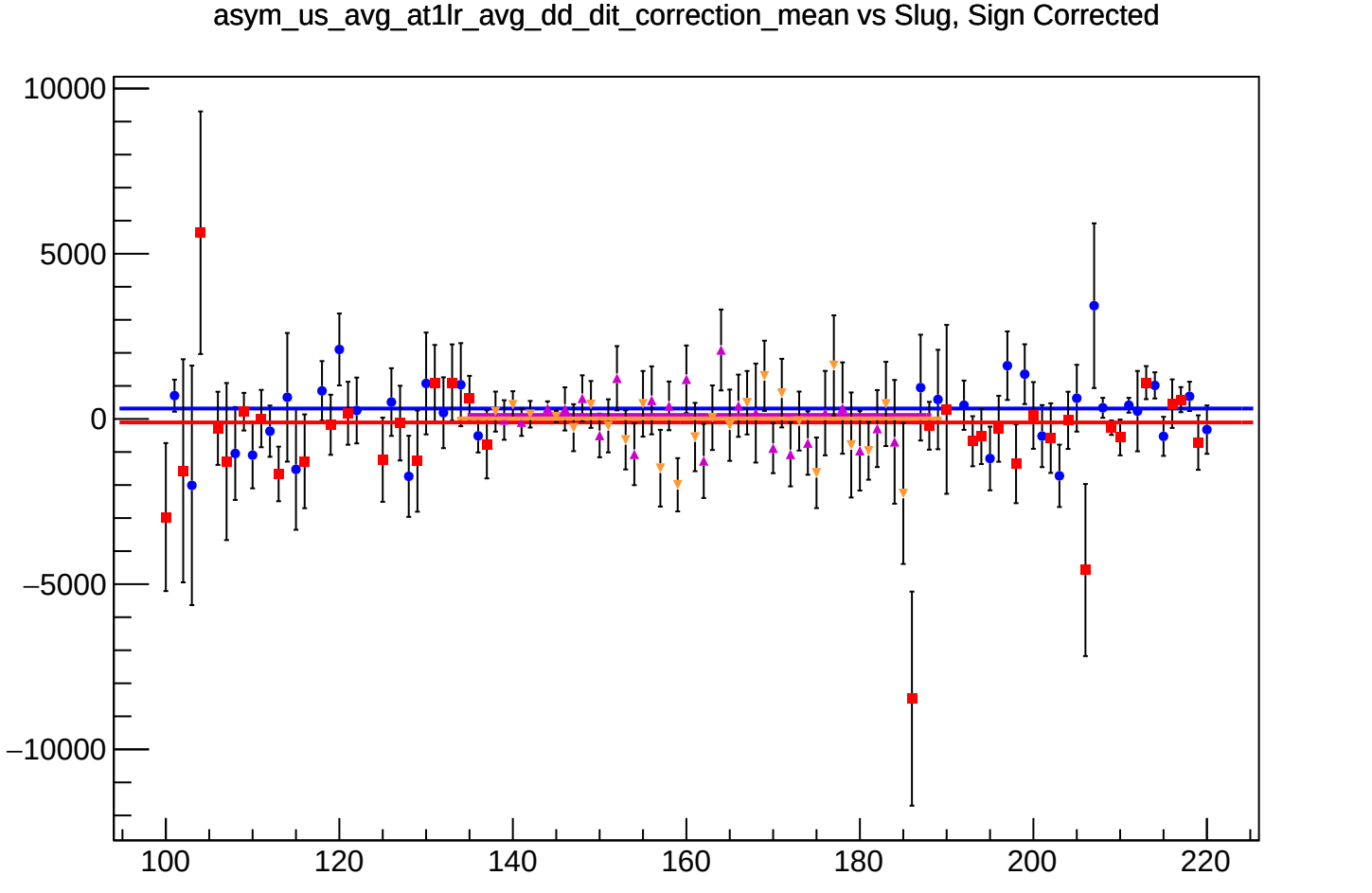
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

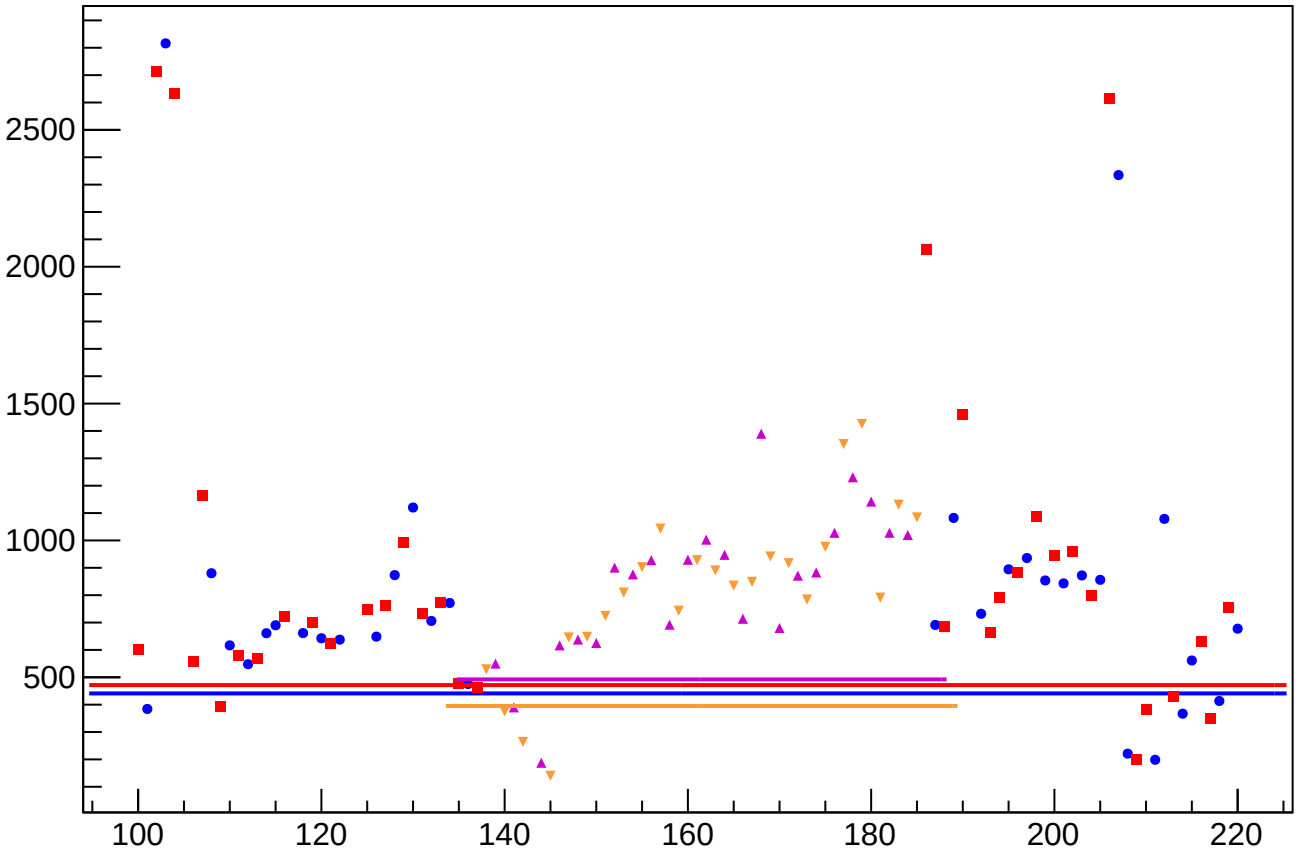
Right: 1798.133+/-0.198 χ^2/NDF: 1179774.4/67

In: 1762.641+/-0.199 χ^2/NDF:766031.9/55

Out: 1771.034+/-0.200 χ^2/NDF:467299.3/58

All: 1766.831+/-0.141 χ^2/NDF: 1234214.9/11


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 315.738+/-114.962 χ²/NDF: 34.4/32
Left Out: 18.027+/-119.333 χ²/NDF:19.4/23
Right Out: -105.303+/-123.651 χ²/NDF: 37.7/34
Left In: 121.705+/-137.150 χ²/NDF:16.5/22
Left: 62.699+/-90.026 χ²/NDF: 36.2/46
Right: 120.529+/-84.195 χ²/NDF: 78.3/67
In: 235.667+/-88.104 χ²/NDF:52.1/55
Out: -41.447+/-85.867 χ²/NDF:57.6/58
All: 93.548+/-61.493 χ²/NDF: 114.8/114



Right In: 440.988+/-0.081 χ^2/NDF: 11128891.3/32

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 471.483+/-0.087 χ^2/NDF: 11220404.0/34

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

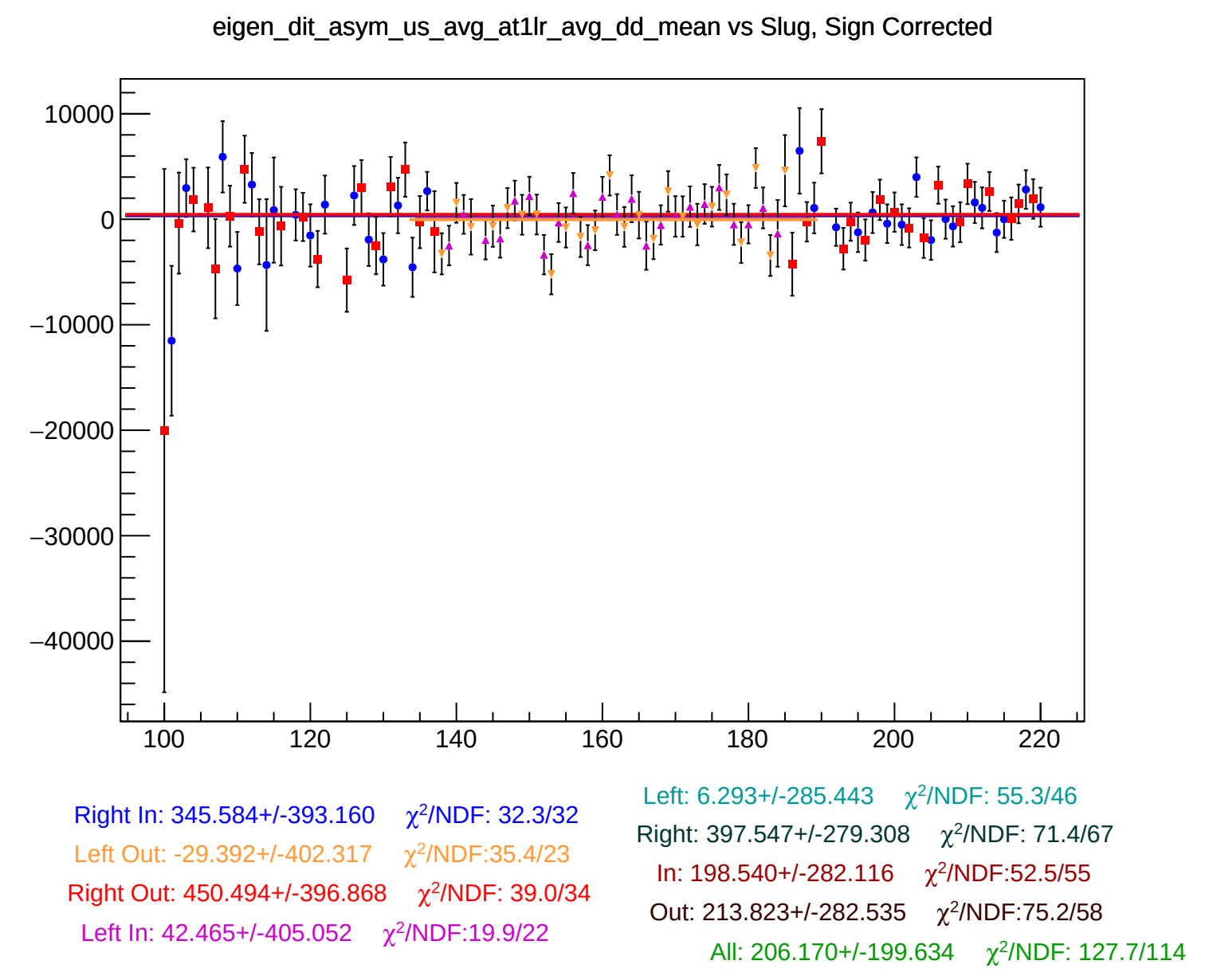
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

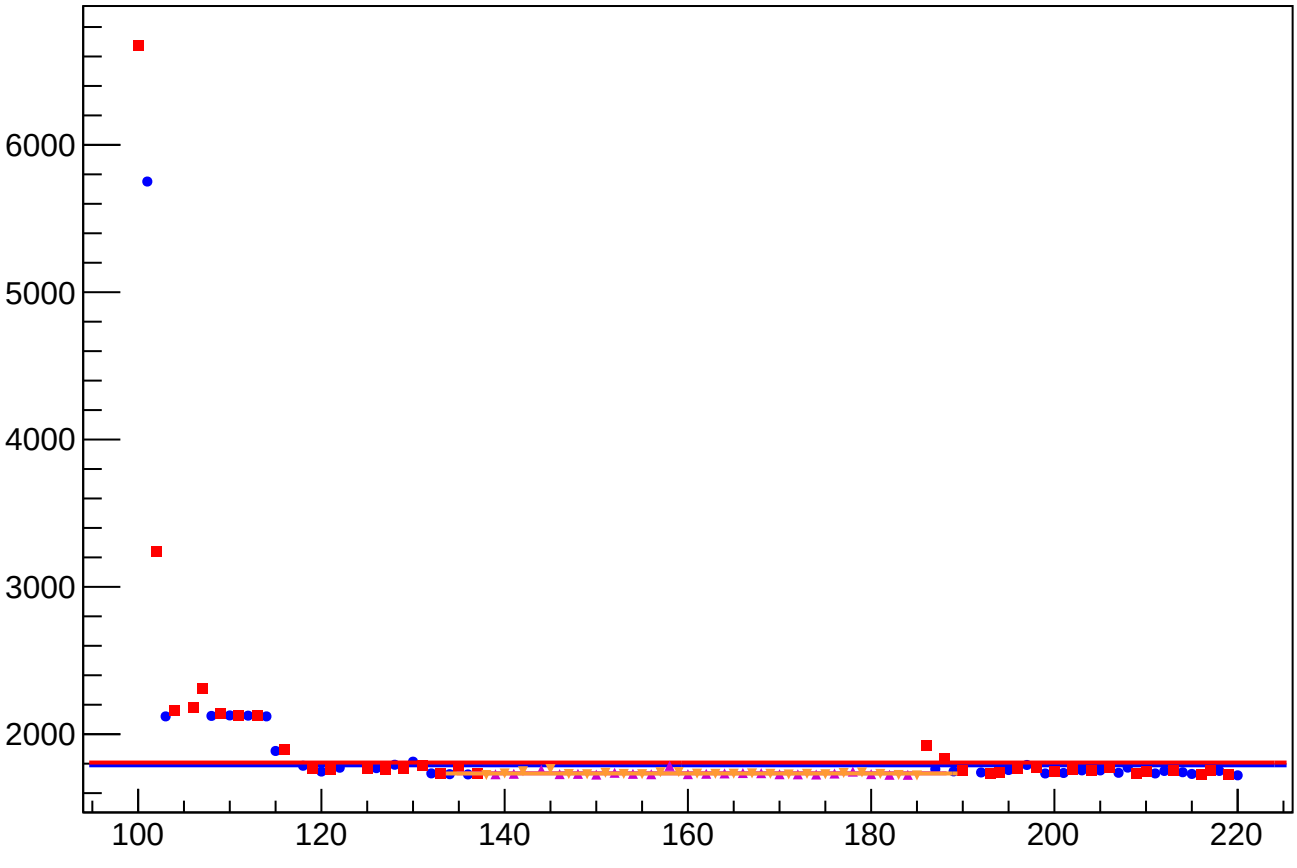
Right: 455.127+/-0.060 χ^2/NDF: 22414538.5/67

In: 462.161+/-0.062 χ^2/NDF:21712773.4/55

Out: 431.980+/-0.061 χ^2/NDF:25949059.4/58

All: 446.682+/-0.043 χ^2/NDF: 47782194.4/11


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 345.584+/-393.160 χ²/NDF: 32.3/32
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 450.494+/-396.868 χ²/NDF: 39.0/34
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 397.547+/-279.308 χ²/NDF: 71.4/67
In: 198.540+/-282.116 χ²/NDF:52.5/55
Out: 213.823+/-282.535 χ²/NDF:75.2/58
All: 206.170+/-199.634 χ²/NDF: 127.7/114



Right In: 1788.862+/-0.278 χ^2/NDF: 745517.4/32

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1807.579+/-0.281 χ^2/NDF: 432010.7/34

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

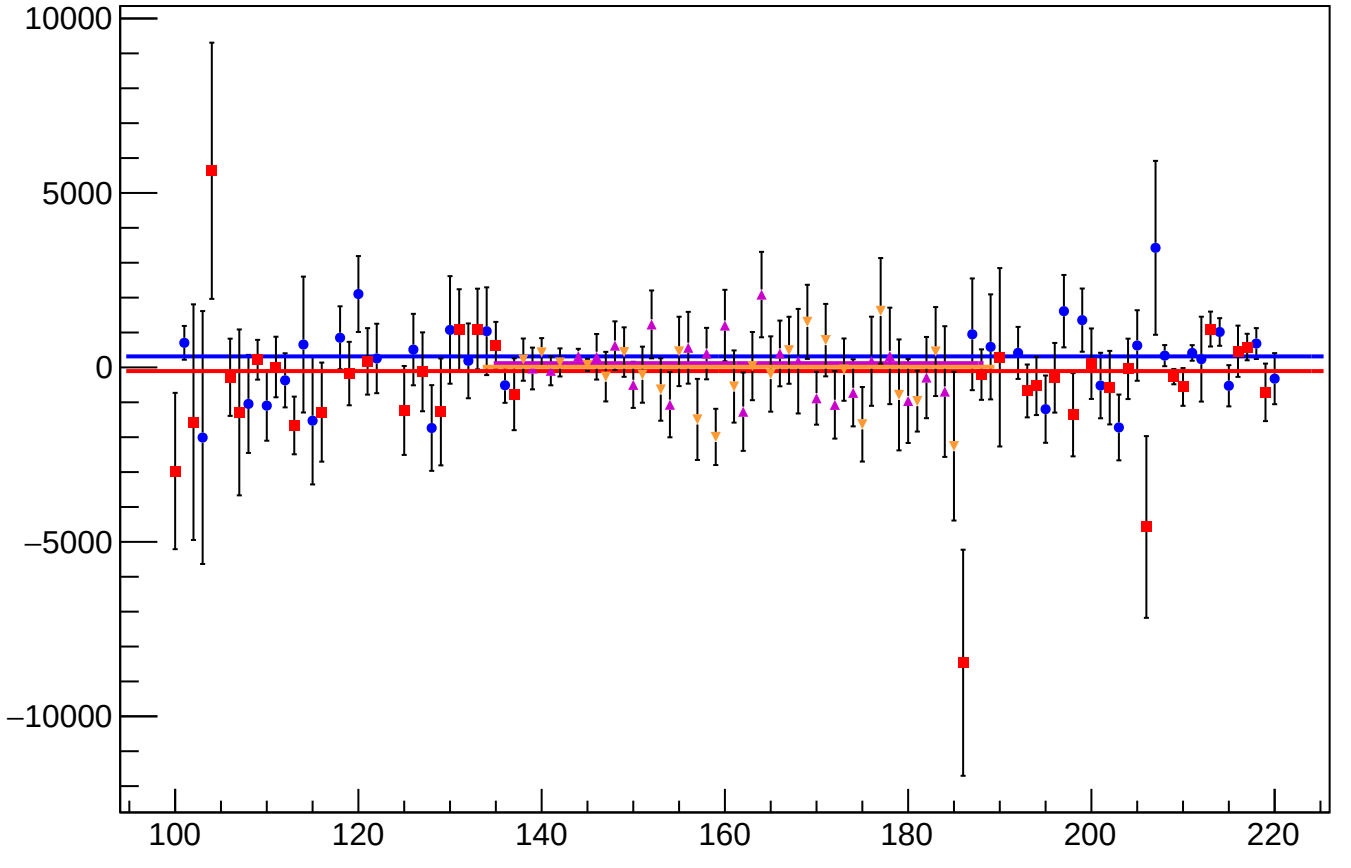
Right: 1798.133+/-0.198 χ^2/NDF: 1179773.1/67

In: 1762.641+/-0.199 χ^2/NDF:766031.5/55

Out: 1771.034+/-0.200 χ^2/NDF:467298.5/58

All: 1766.831+/-0.141 χ^2/NDF: 1234213.6/11

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 315.737+/-114.962 χ^2/NDF: 34.4/32

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -105.300+/-123.650 χ^2/NDF: 37.7/34

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

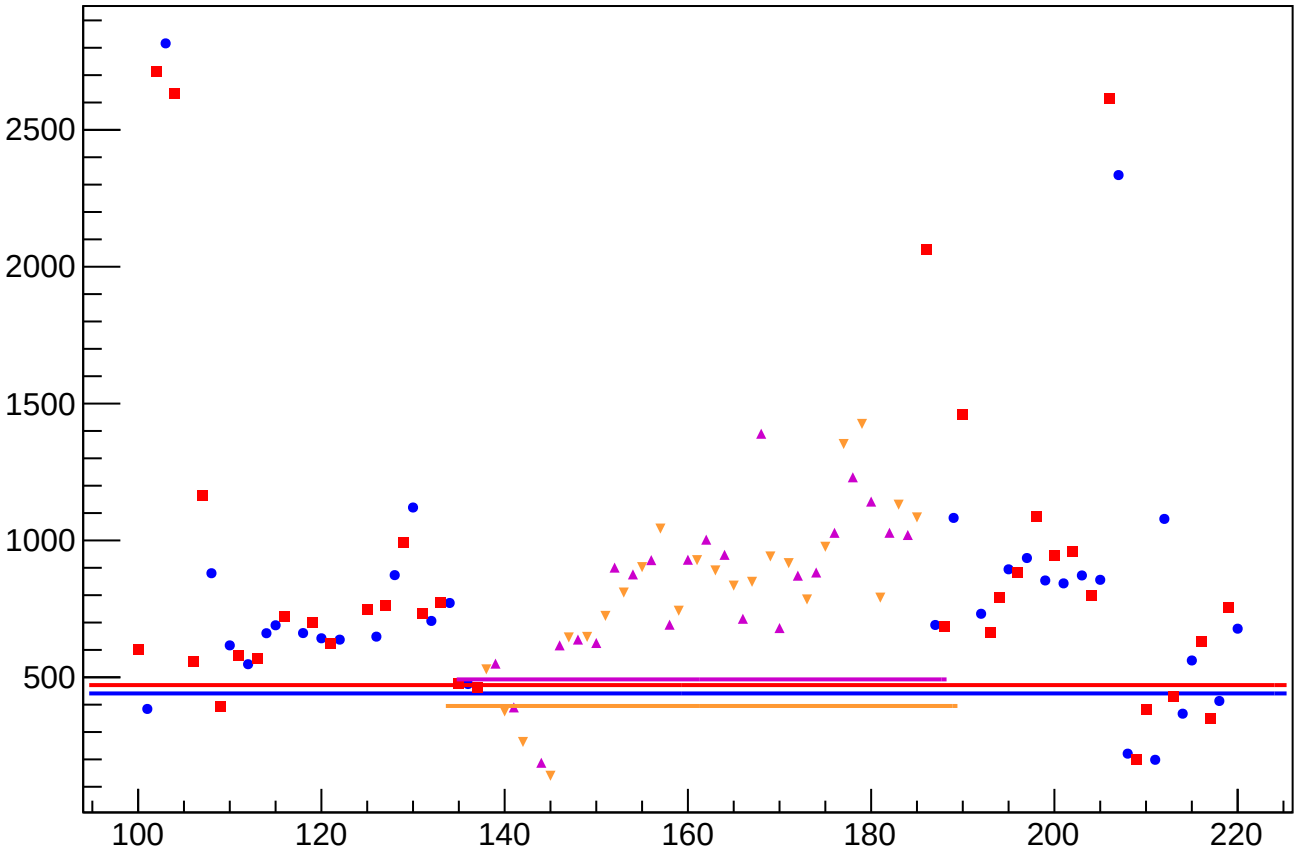
Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

Right: 120.529+/-84.194 χ^2/NDF: 78.3/67

In: 235.667+/-88.104 χ^2/NDF:52.1/55

Out: -41.447+/-85.867 χ^2/NDF:57.6/58

All: 93.547+/-61.493 χ^2/NDF: 114.8/114



Right In: 440.990+/-0.081 χ^2/NDF: 11128817.6/32

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 471.479+/-0.087 χ^2/NDF: 11220492.8/34

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

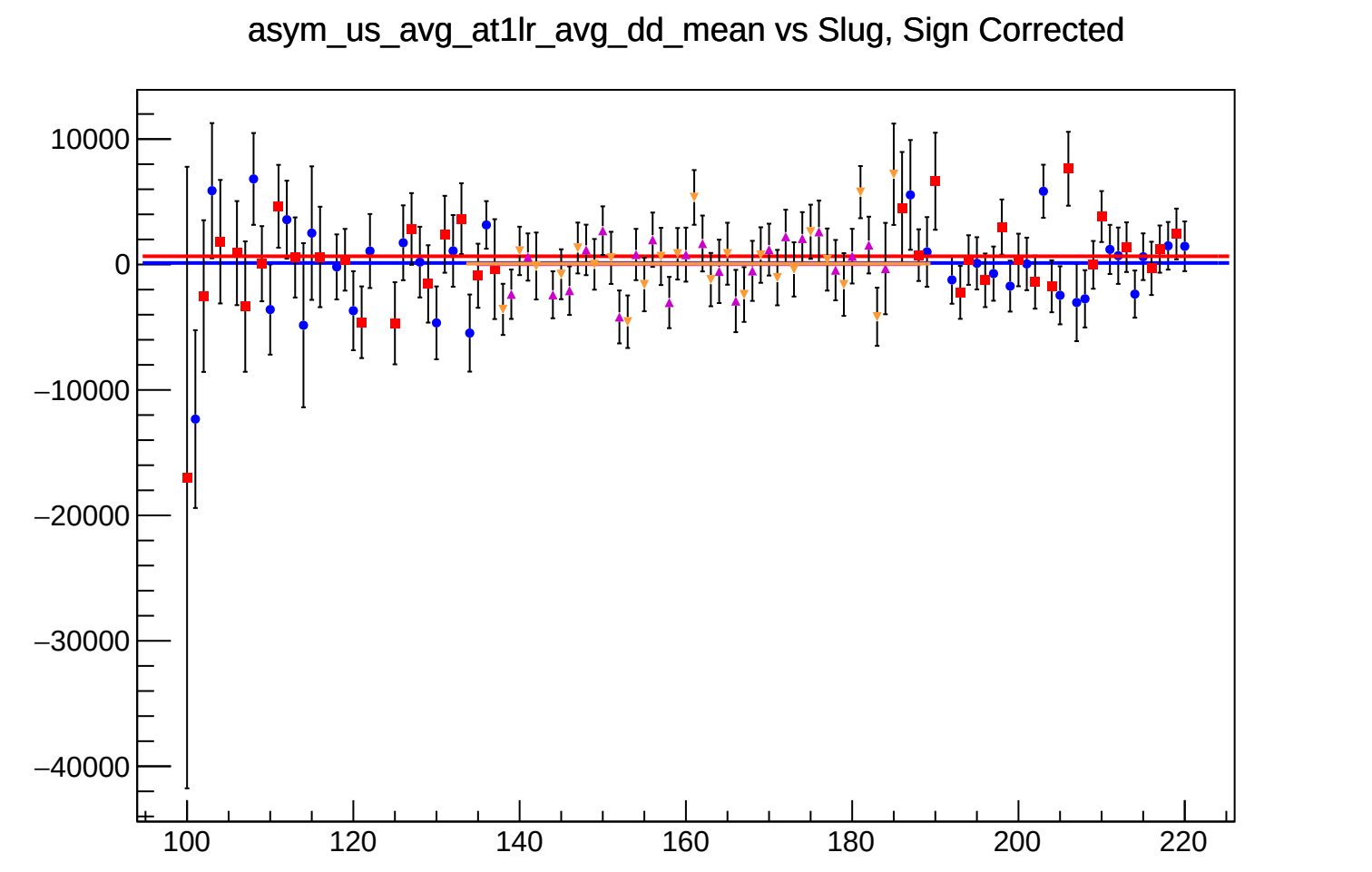
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 455.126+/-0.060 χ^2/NDF: 22414535.1/67

In: 462.162+/-0.062 χ^2/NDF:21712721.4/55

Out: 431.979+/-0.061 χ^2/NDF:25949159.8/58

All: 446.682+/-0.043 χ^2/NDF: 47782260.6/1



Right In: 123.487+/-436.932 χ^2/NDF: 38.6/32

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 658.238+/-439.990 χ^2/NDF: 30.6/34

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

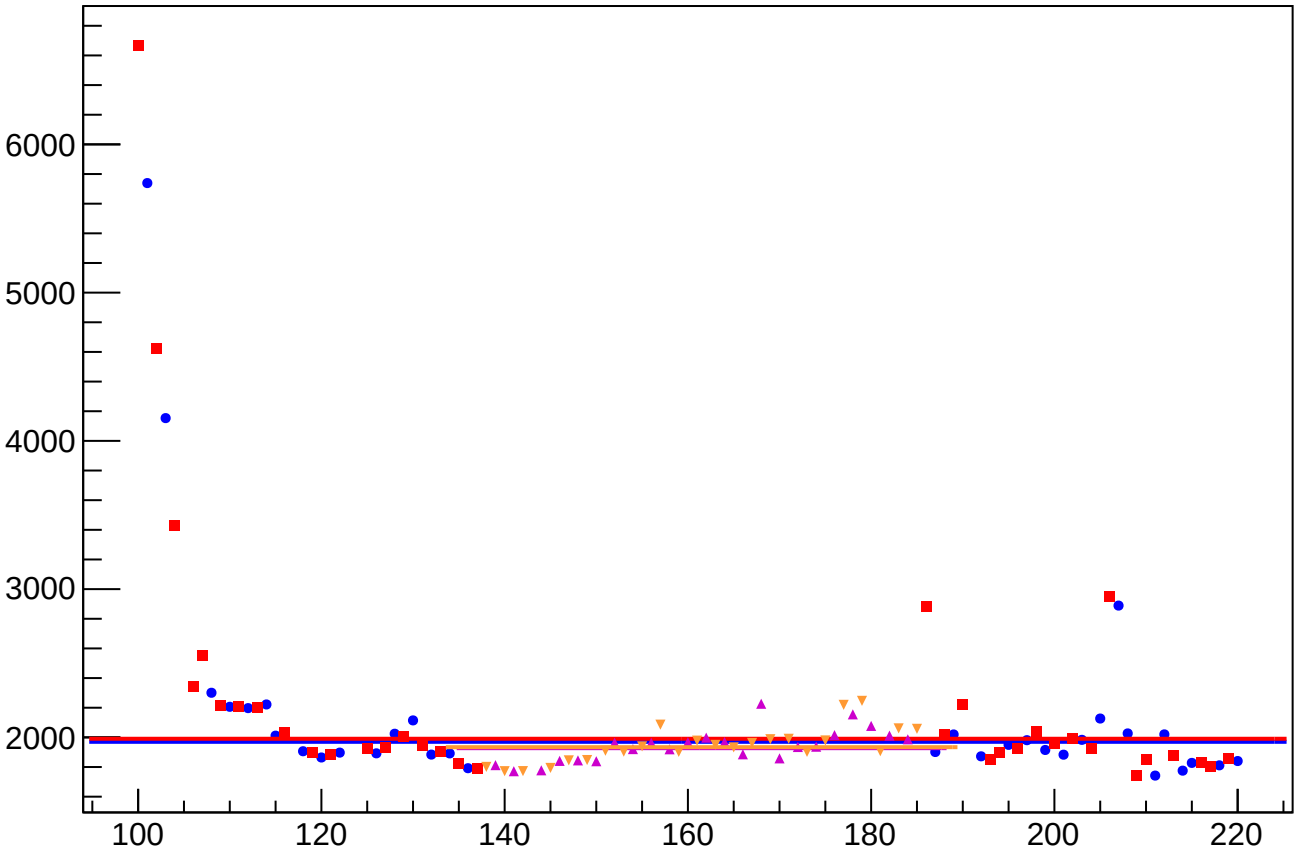
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 388.998+/-310.033 χ^2/NDF: 69.9/67

In: 76.055+/-313.730 χ^2/NDF:58.6/55

Out: 368.939+/-314.514 χ^2/NDF:65.1/58

All: 222.132+/-222.117 χ^2/NDF: 124.1/114



Right In: 1970.077+/-0.309 χ^2/NDF: 1248590.5/32

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 1990.632+/-0.311 χ^2/NDF: 1119251.0/34

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

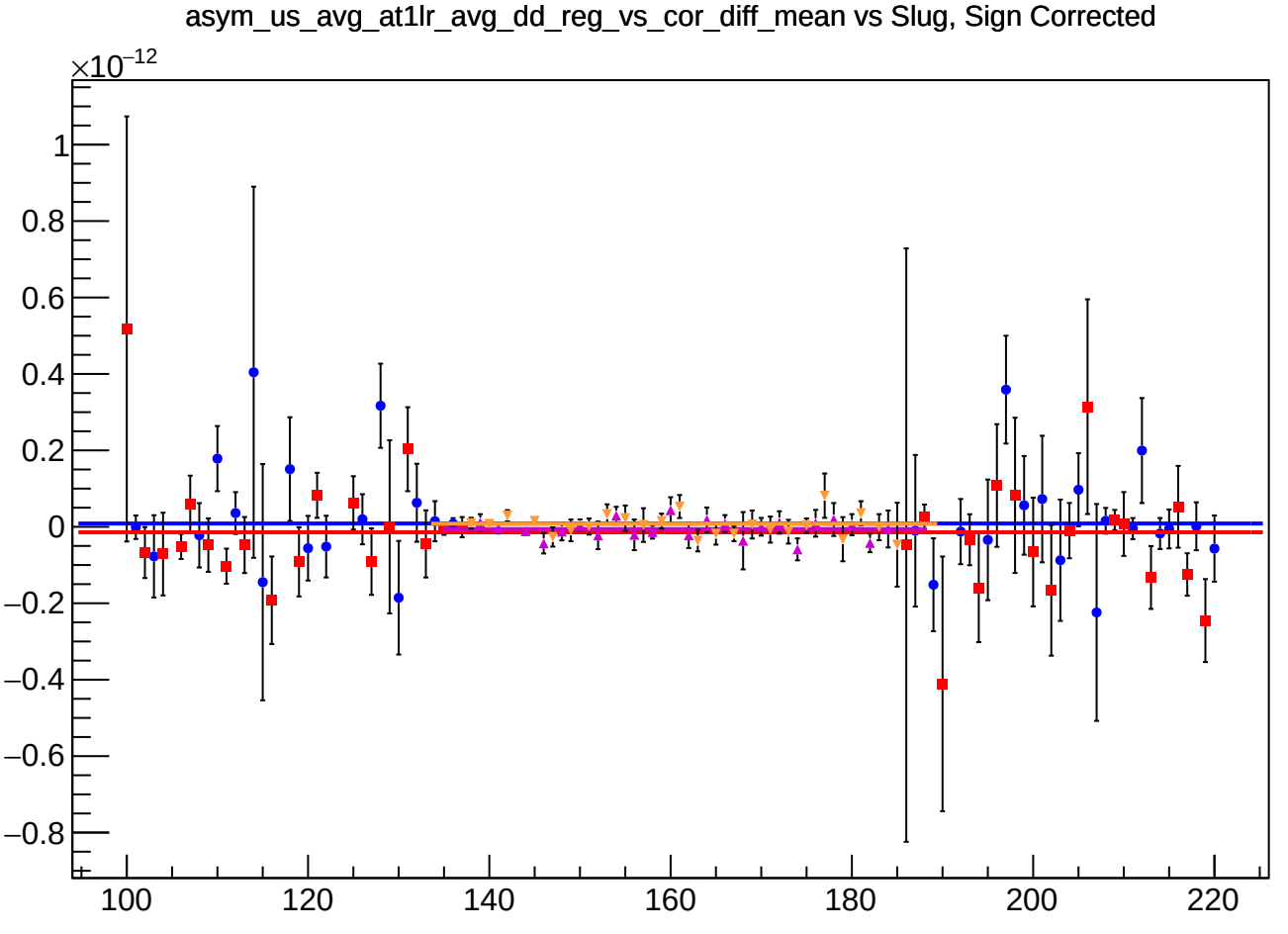
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

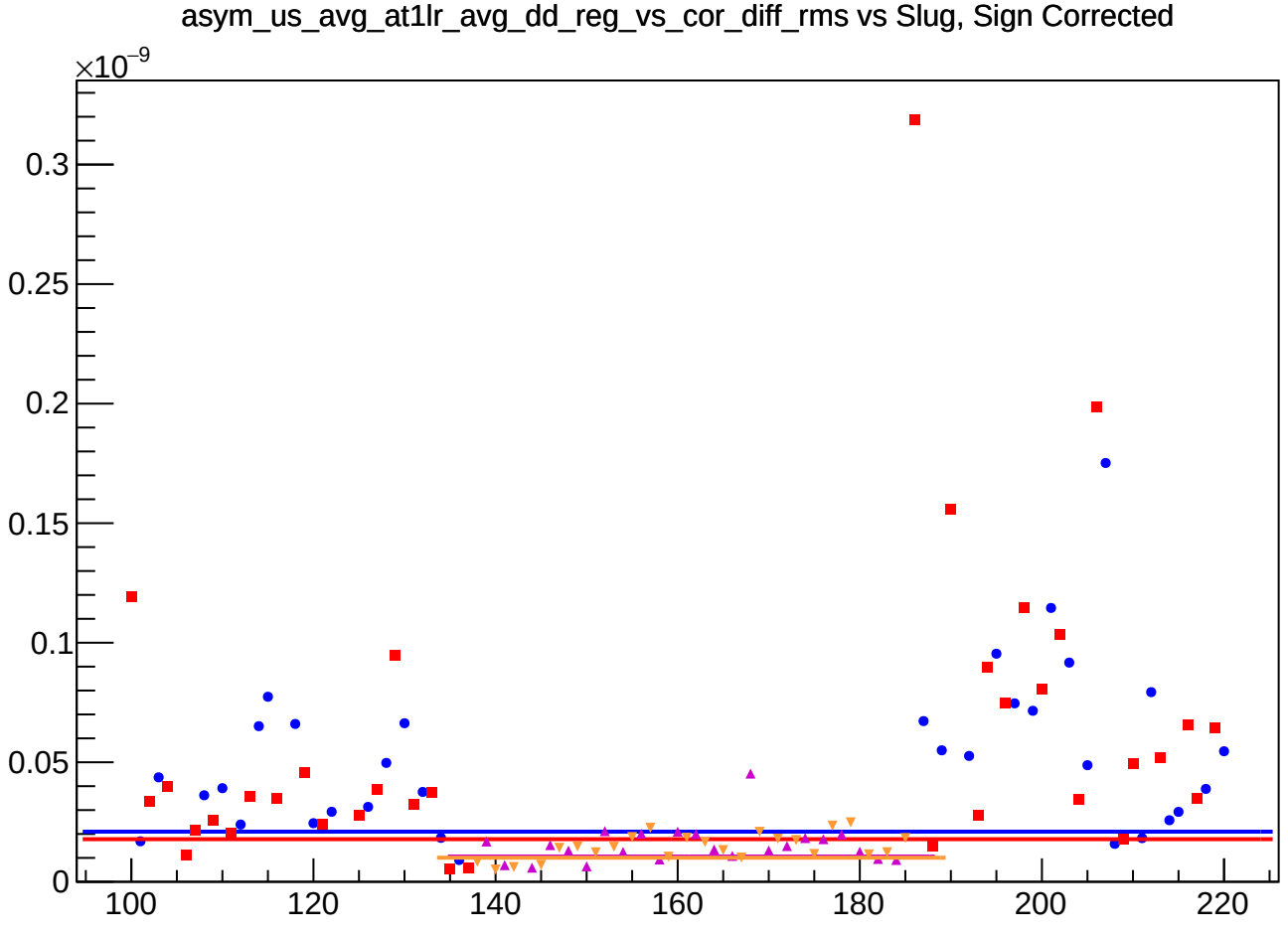
Right: 1980.283+/-0.219 χ^2/NDF: 2370039.2/67

In: 1949.270+/-0.222 χ^2/NDF:1374389.4/55

Out: 1962.842+/-0.222 χ^2/NDF:1264098.5/58

All: 1956.039+/-0.157 χ^2/NDF: 2640354.6/11


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 31.6/32
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 40.5/34
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: 0.000+/-0.000 χ²/NDF: 38.9/46
Right: -0.000+/-0.000 χ²/NDF: 75.3/67
In: -0.000+/-0.000 χ²/NDF:50.3/55
Out: 0.000+/-0.000 χ²/NDF:62.9/58
All: 0.000+/-0.000 χ²/NDF: 114.6/114



Right In: 0.000+/-0.000 χ^2/NDF: 6668902.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8269424.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

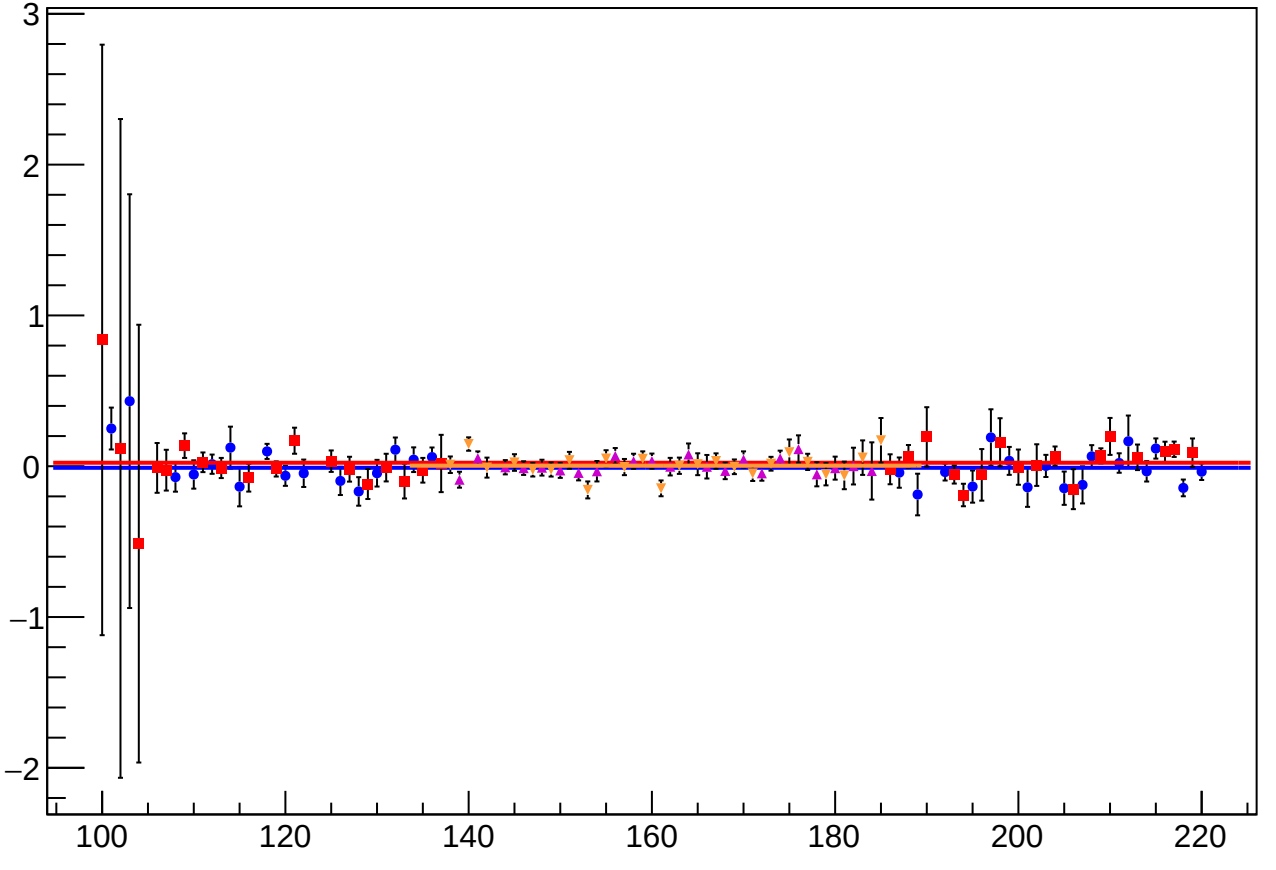
Right: 0.000+/-0.000 χ^2/NDF: 15057963.6/67

In: 0.000+/-0.000 χ^2/NDF:11278200.6/55

Out: 0.000+/-0.000 χ^2/NDF:11762453.8/58

All: 0.000+/-0.000 χ^2/NDF: 23103981.3/114

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.014 χ^2/NDF: 39.6/32

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

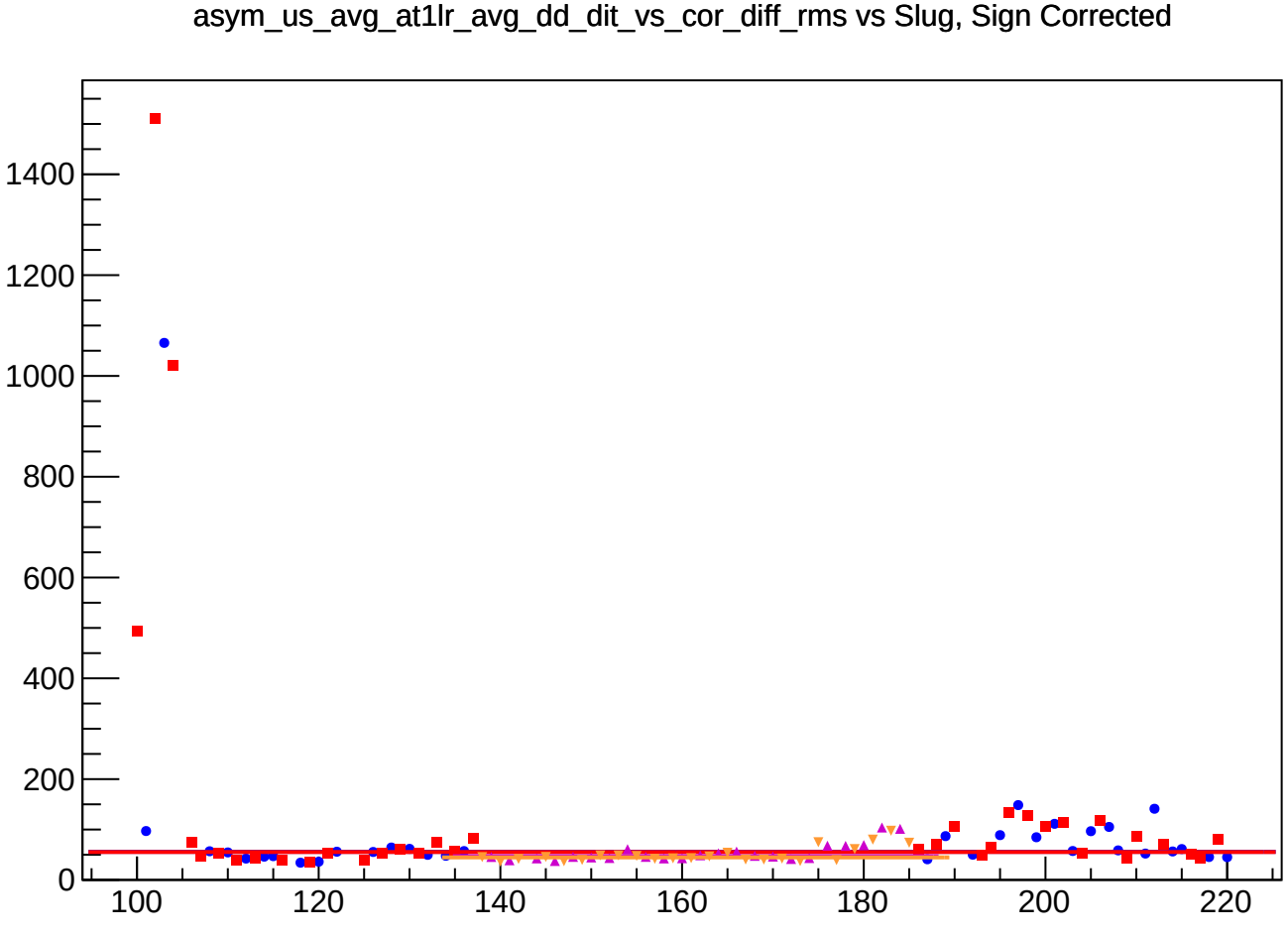
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: 0.006+/-0.010 χ^2/NDF: 75.8/67

In: -0.003+/-0.009 χ^2/NDF:54.6/55

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.004+/-0.006 χ^2/NDF: 125.4/114



Right In: 55.778+/-0.010 χ^2/NDF: 4644239.1/32

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

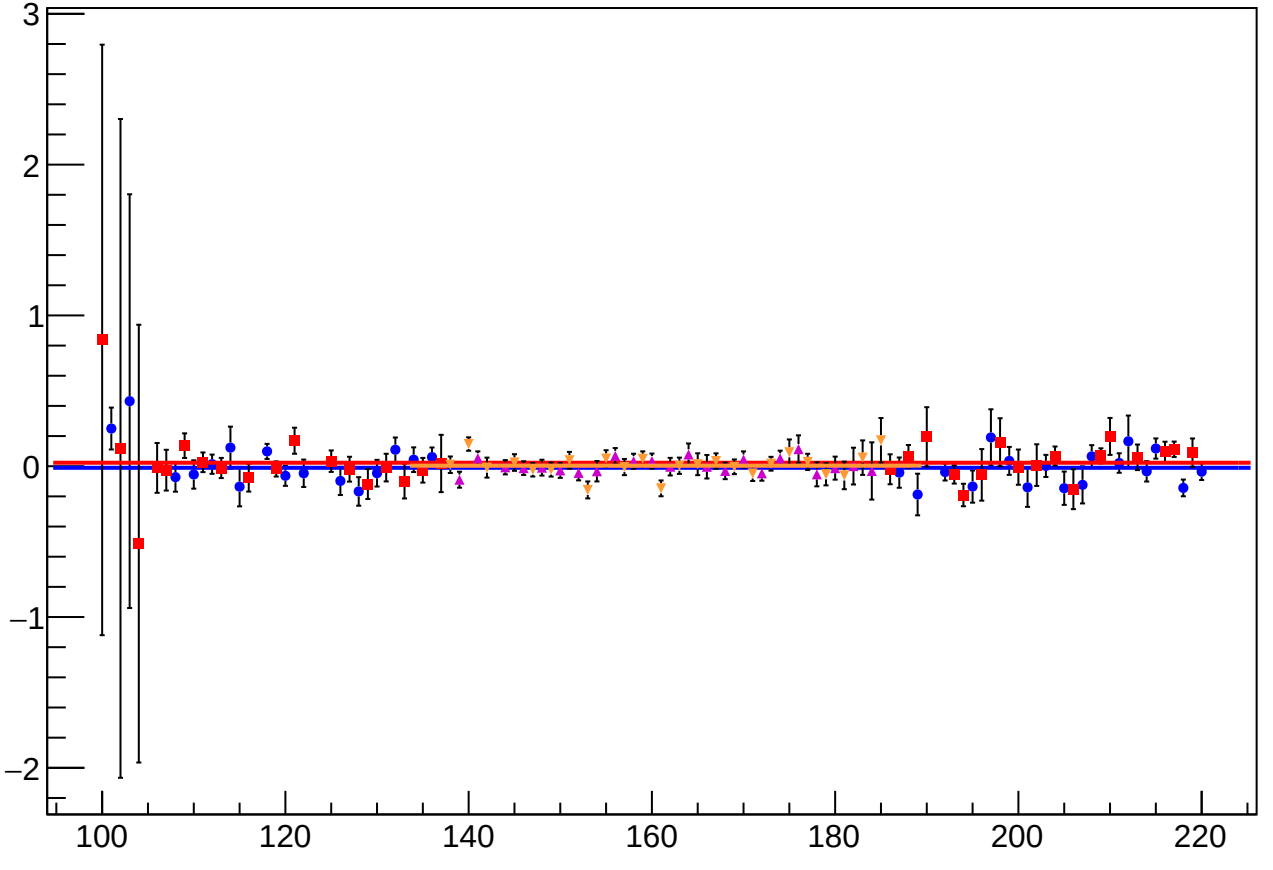
Right: 55.574+/-0.007 χ^2/NDF: 10179239.9/67

In: 50.640+/-0.006 χ^2/NDF:6469756.1/55

Out: 48.838+/-0.006 χ^2/NDF:7674663.8/58

All: 49.725+/-0.005 χ^2/NDF: 14183780.8/114

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.014 χ^2/NDF: 39.6/32

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

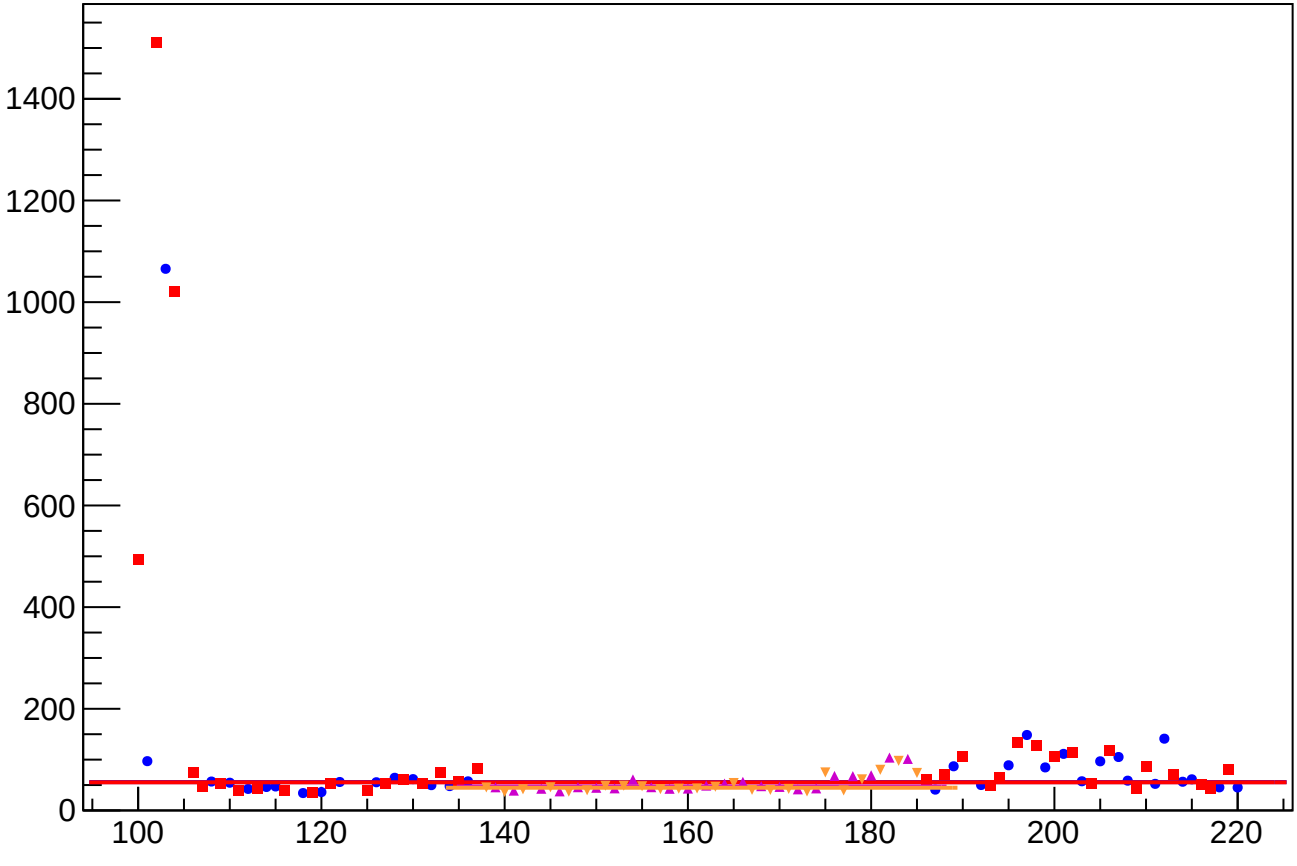
Right: 0.006+/-0.010 χ^2/NDF: 75.8/67

In: -0.003+/-0.009 χ^2/NDF:54.6/55

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.004+/-0.006 χ^2/NDF: 125.4/114

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.778+/-0.010 χ^2/NDF: 4644239.1/32

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

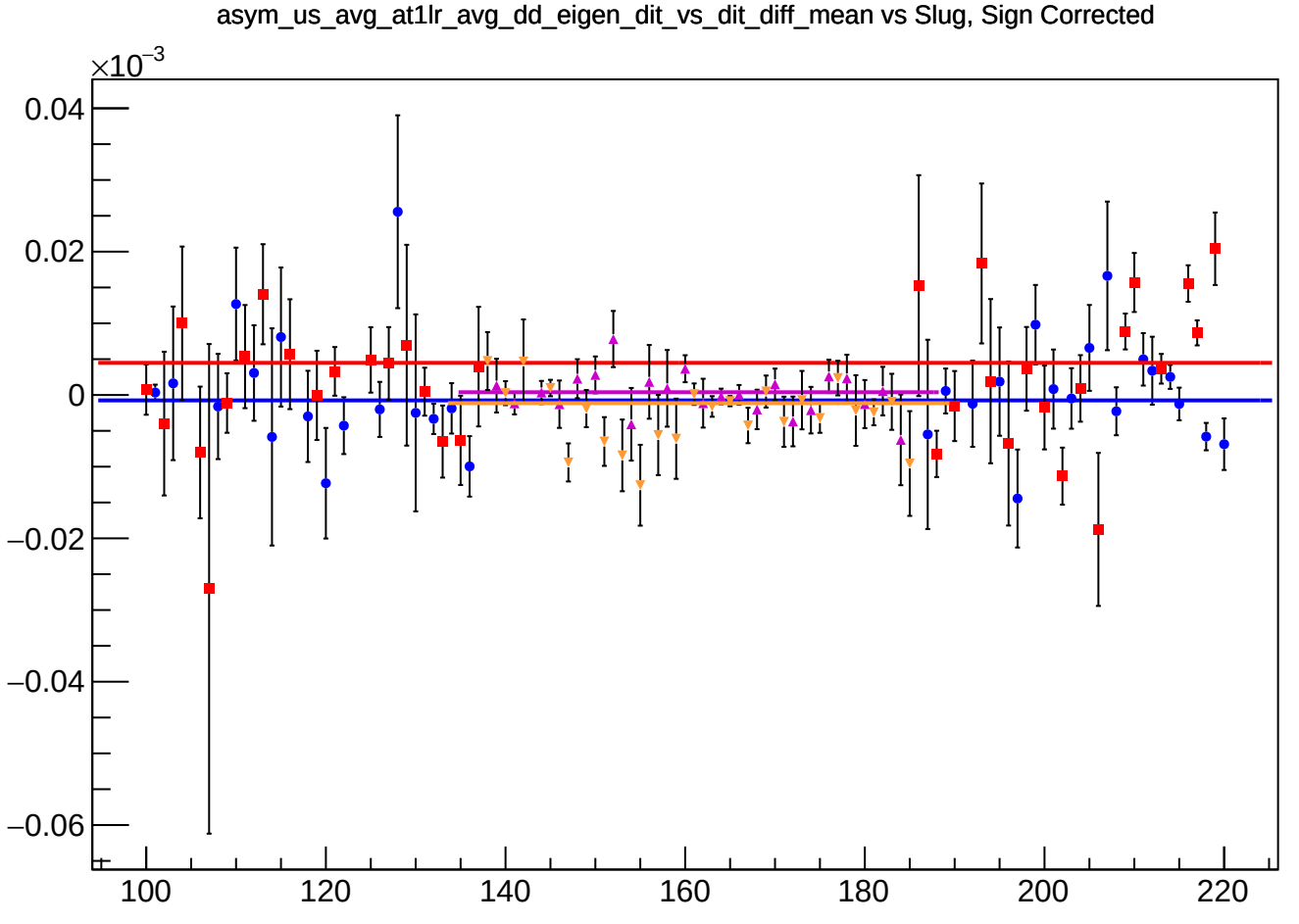
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 55.574+/-0.007 χ^2/NDF: 10179239.9/67

In: 50.640+/-0.006 χ^2/NDF:6469756.1/55

Out: 48.838+/-0.006 χ^2/NDF:7674663.8/58

All: 49.725+/-0.005 χ^2/NDF: 14183780.8/114



Right In: -0.000+/-0.000 χ^2/NDF: 48.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 106.0/34

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

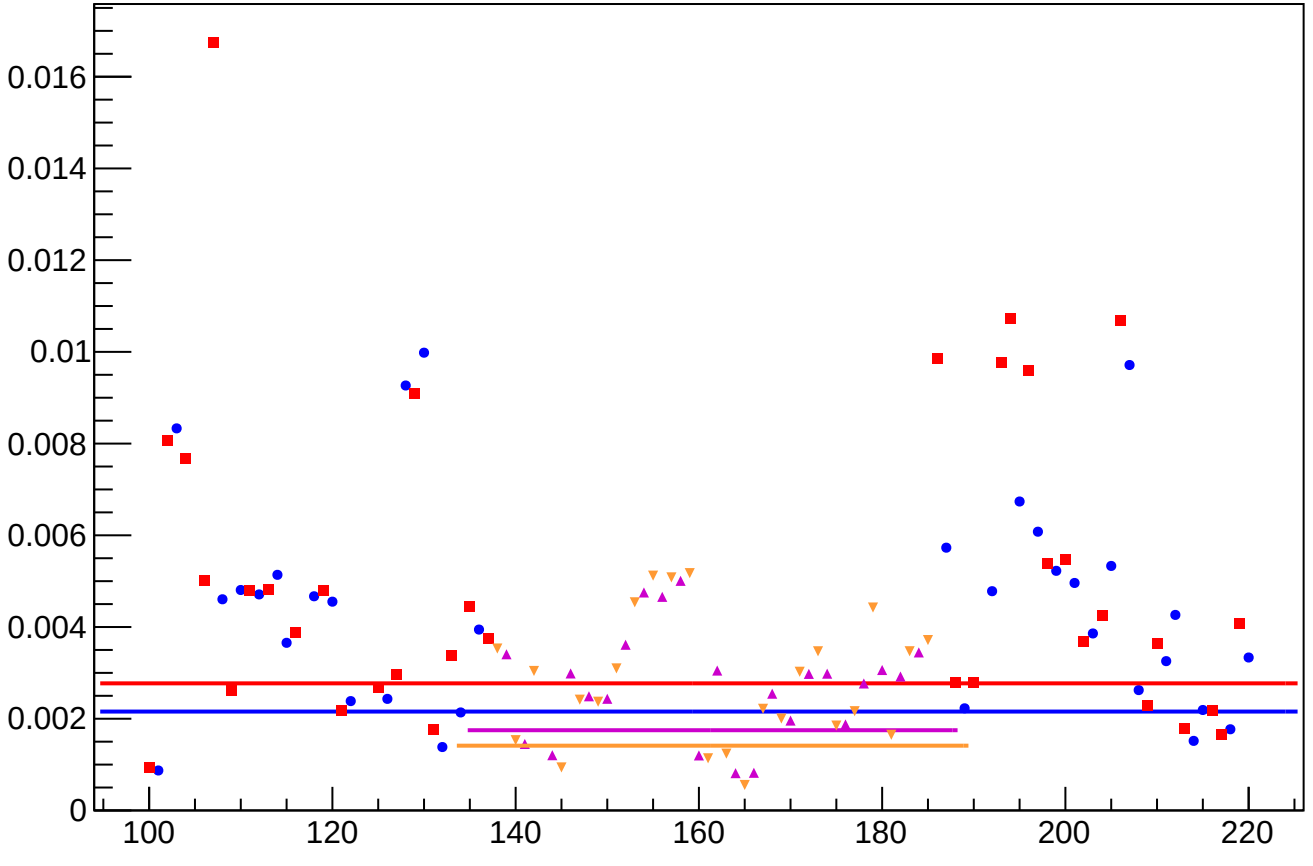
Right: 0.000+/-0.000 χ^2/NDF: 185.9/67

In: -0.000+/-0.000 χ^2/NDF:66.9/55

Out: 0.000+/-0.000 χ^2/NDF:187.5/58

All: 0.000+/-0.000 χ^2/NDF: 254.8/114

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: 12825538.9/32

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10178278.9/34

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

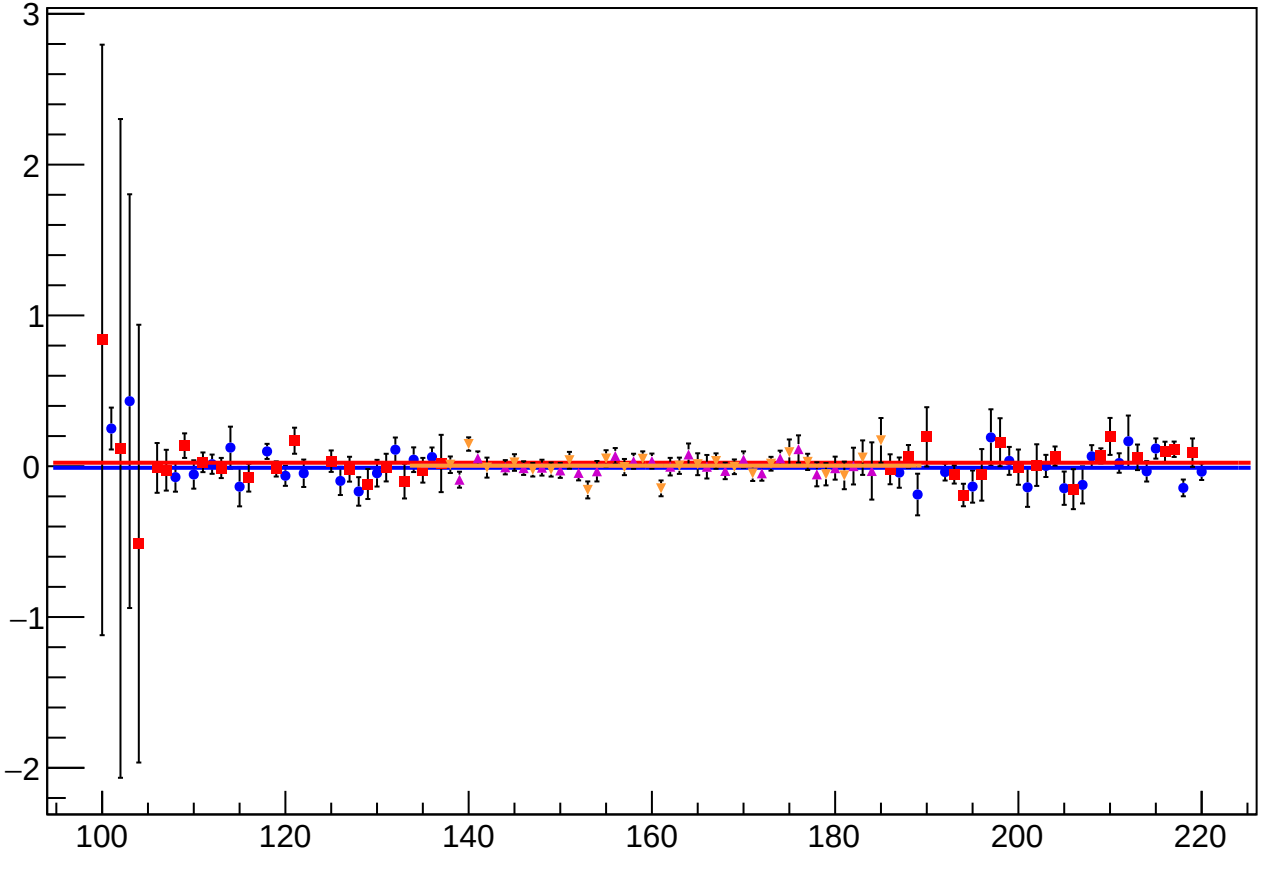
Right: 0.002+/-0.000 χ^2/NDF: 23876436.8/67

In: 0.002+/-0.000 χ^2/NDF:21628968.8/55

Out: 0.002+/-0.000 χ^2/NDF:27117786.0/58

All: 0.002+/-0.000 χ^2/NDF: 48969345.5/114

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.014 χ^2/NDF: 39.6/32

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

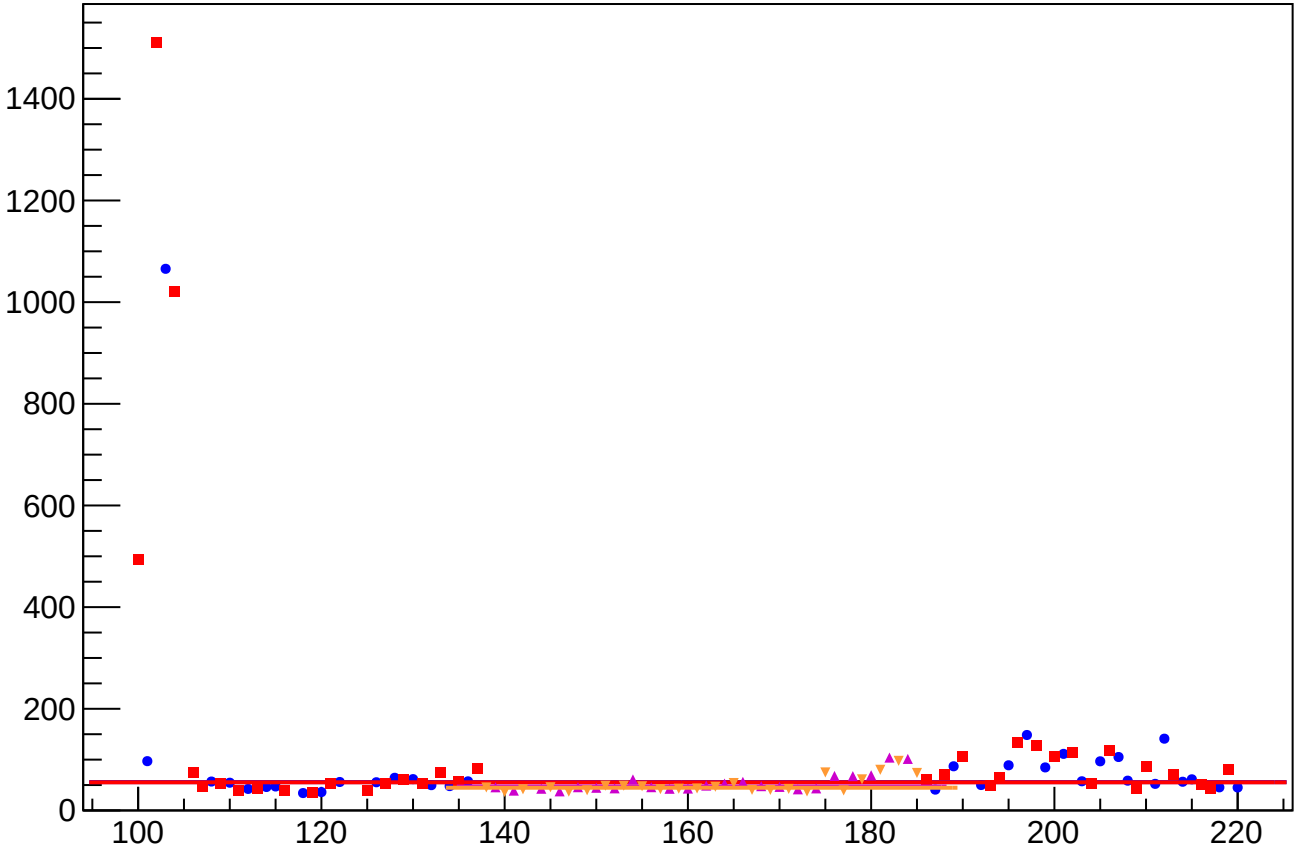
Right: 0.006+/-0.010 χ^2/NDF: 75.9/67

In: -0.003+/-0.009 χ^2/NDF:54.6/55

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.004+/-0.006 χ^2/NDF: 125.4/114

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.777+/-0.010 χ^2/NDF: 4644357.5/32

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

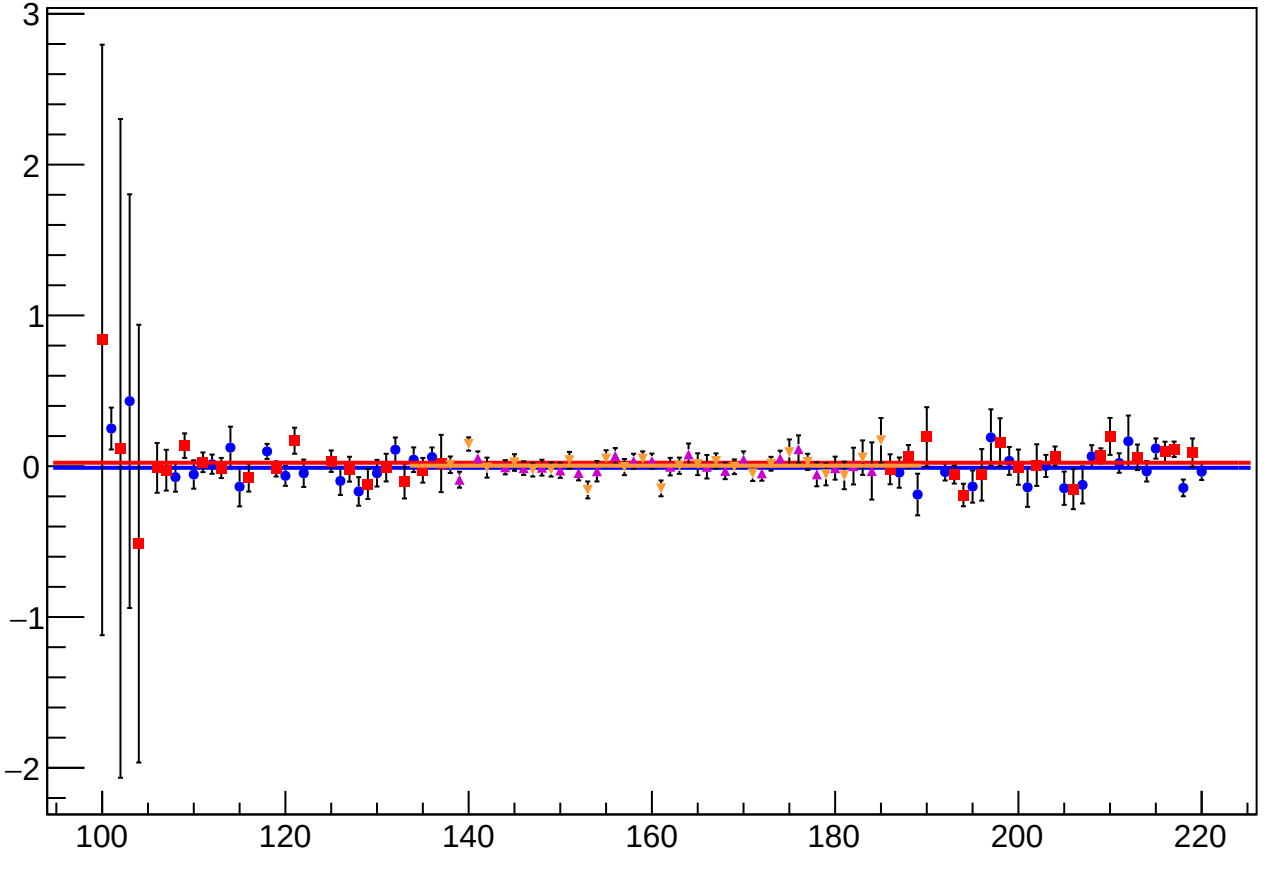
Right: 55.573+/-0.007 χ^2/NDF: 10179508.3/67

In: 50.639+/-0.006 χ^2/NDF:6469910.2/55

Out: 48.837+/-0.006 χ^2/NDF:7674686.9/58

All: 49.725+/-0.005 χ^2/NDF: 14183949.2/114

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.014 χ^2/NDF: 39.6/32

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

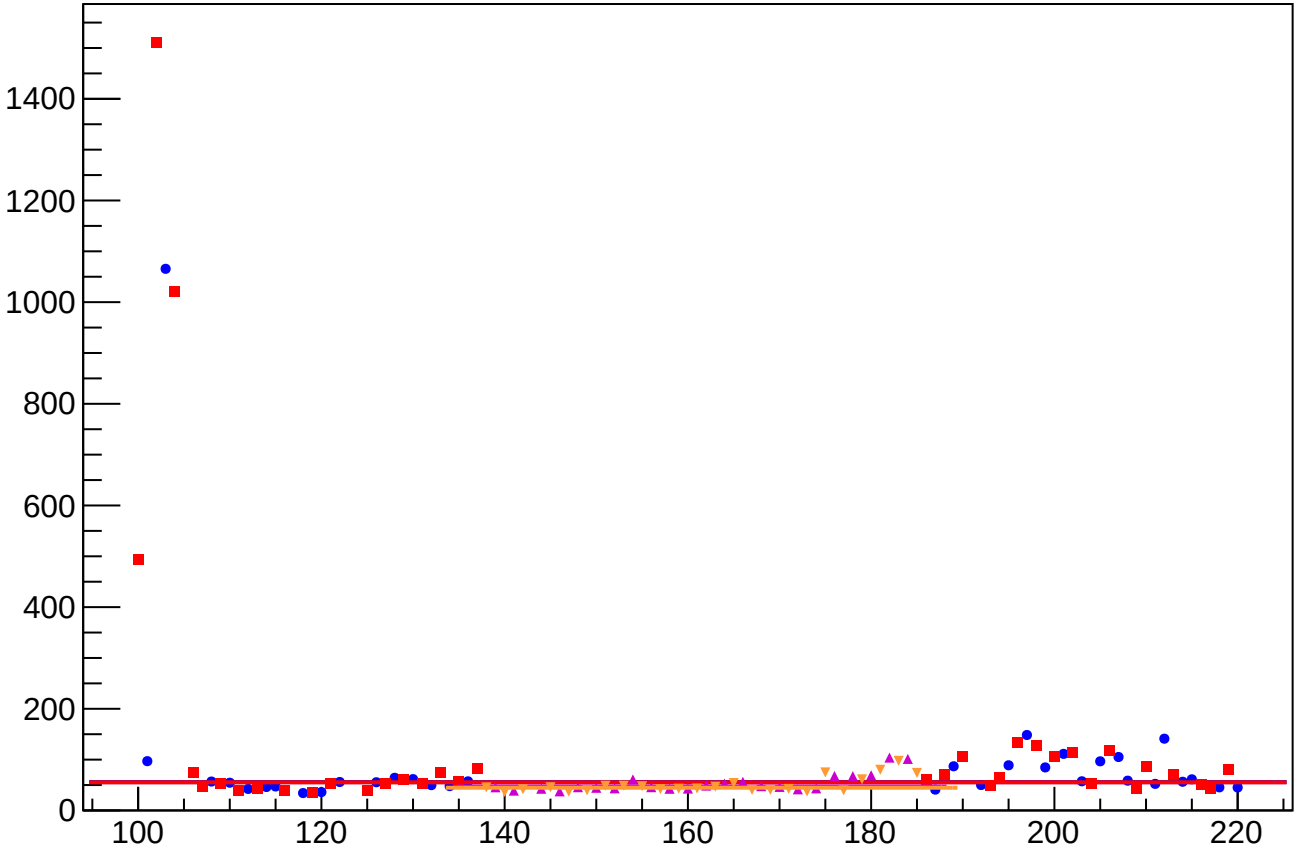
Right: 0.006+/-0.010 χ^2/NDF: 75.9/67

In: -0.003+/-0.009 χ^2/NDF:54.6/55

Out: 0.011+/-0.009 χ^2/NDF:69.6/58

All: 0.004+/-0.006 χ^2/NDF: 125.4/114

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.777+/-0.010 χ^2/NDF: 4644357.5/32

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

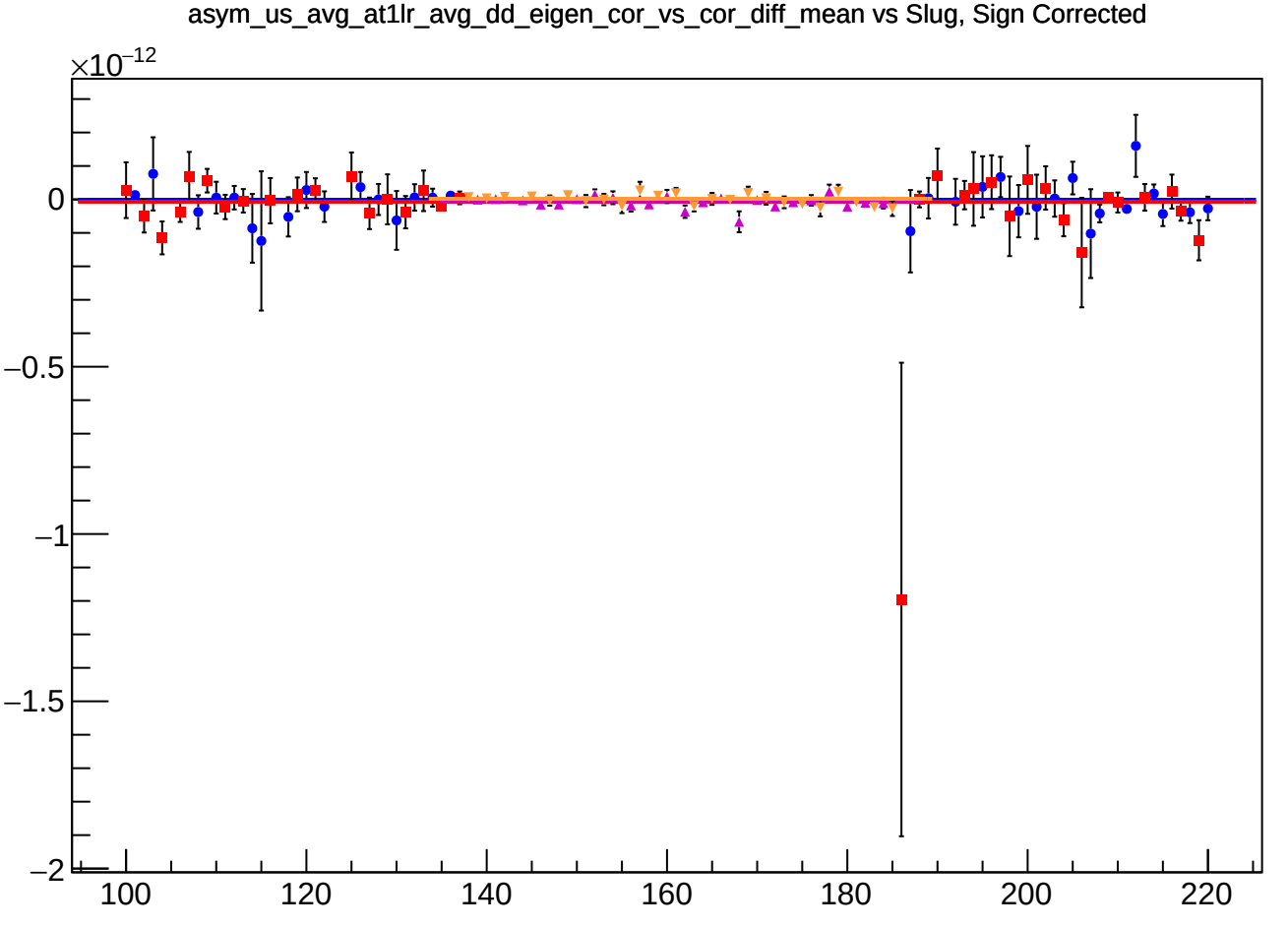
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.573+/-0.007 χ^2/NDF: 10179508.3/67

In: 50.639+/-0.006 χ^2/NDF:6469910.2/55

Out: 48.837+/-0.006 χ^2/NDF:7674686.9/58

All: 49.725+/-0.005 χ^2/NDF: 14183949.2/114



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.7/34

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

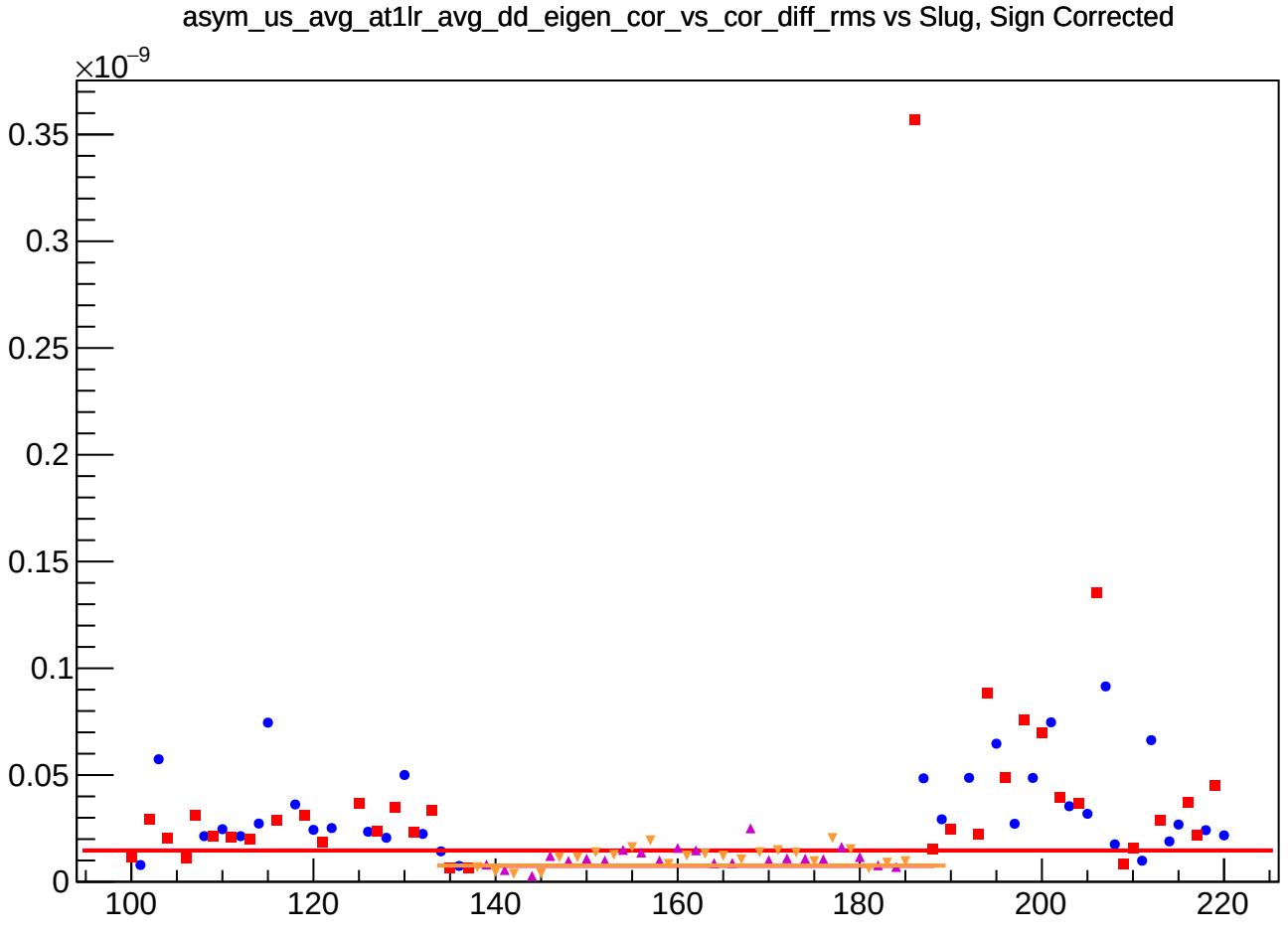
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

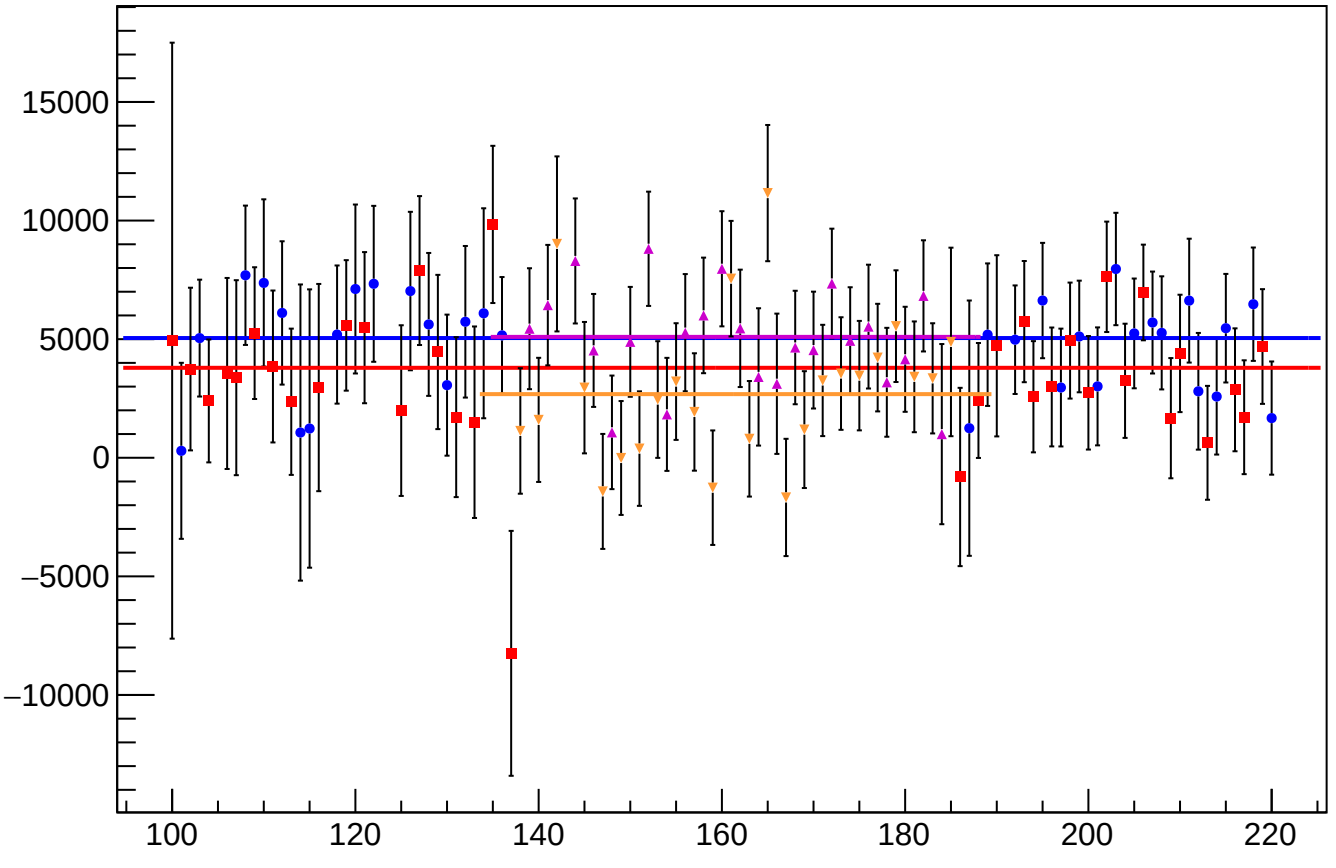
Right: -0.000+/-0.000 χ^2/NDF: 56.2/67

In: -0.000+/-0.000 χ^2/NDF:43.4/55

Out: 0.000+/-0.000 χ^2/NDF:53.4/58

All: -0.000+/-0.000 χ^2/NDF: 99.3/114


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8536819.8/32
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 9671222.2/34
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
Left: 0.000+/-0.000 χ²/NDF: 11550721.9/46
Right: 0.000+/-0.000 χ²/NDF: 18208305.8/67
In: 0.000+/-0.000 χ²/NDF:17592324.9/55
Out: 0.000+/-0.000 χ²/NDF:18013483.9/58
All: 0.000+/-0.000 χ²/NDF: 35607613.5/114



Right In: 5047.446+/-482.089 χ^2/NDF: 14.1/32

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3792.550+/-484.334 χ^2/NDF: 25.0/34

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

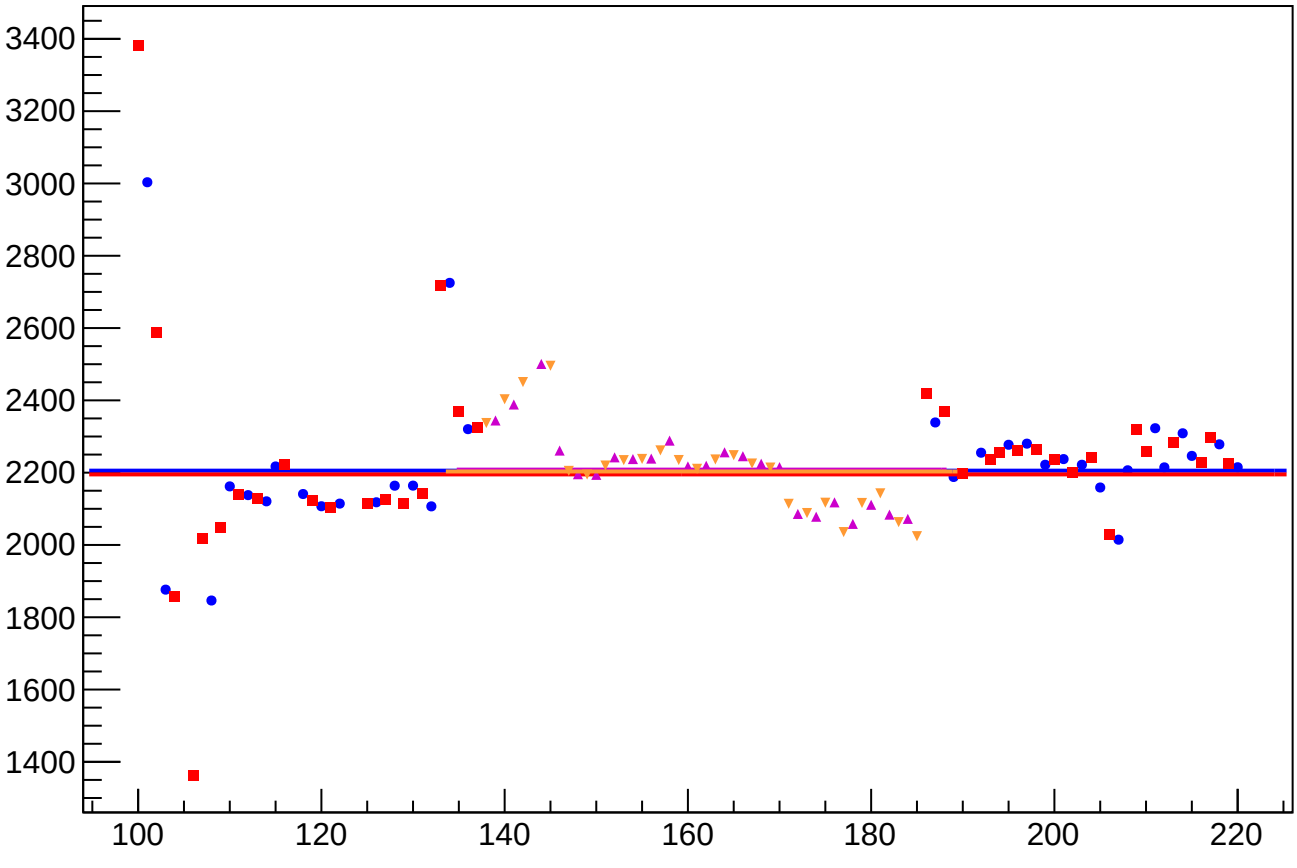
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4422.913+/-341.679 χ^2/NDF: 42.5/67

In: 5070.263+/-352.341 χ^2/NDF:29.1/55

Out: 3268.521+/-351.857 χ^2/NDF:58.3/58

All: 4168.153+/-248.971 χ^2/NDF: 100.5/114



Right In: 2205.517+/-0.341 χ^2/NDF: 232843.5/32

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2195.157+/-0.340 χ^2/NDF: 340644.2/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

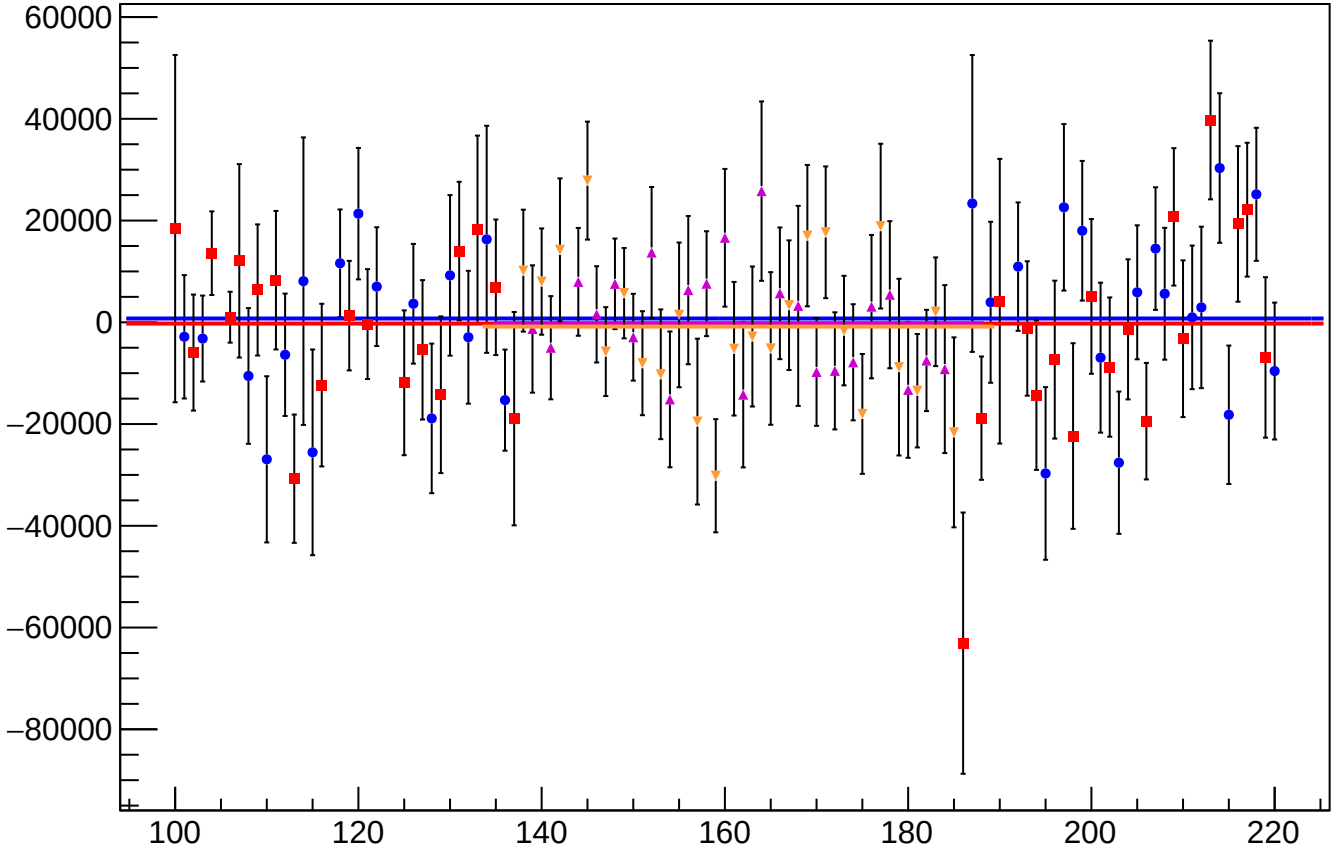
Right: 2200.331+/-0.241 χ^2/NDF: 573950.1/67

In: 2206.850+/-0.249 χ^2/NDF:313870.7/55

Out: 2198.977+/-0.248 χ^2/NDF:429120.8/58

All: 2202.896+/-0.176 χ^2/NDF: 743493.0/114

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 748.274+/-2359.569 χ^2/NDF: 39.1/32

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -248.505+/-2165.905 χ^2/NDF: 43.8/34

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

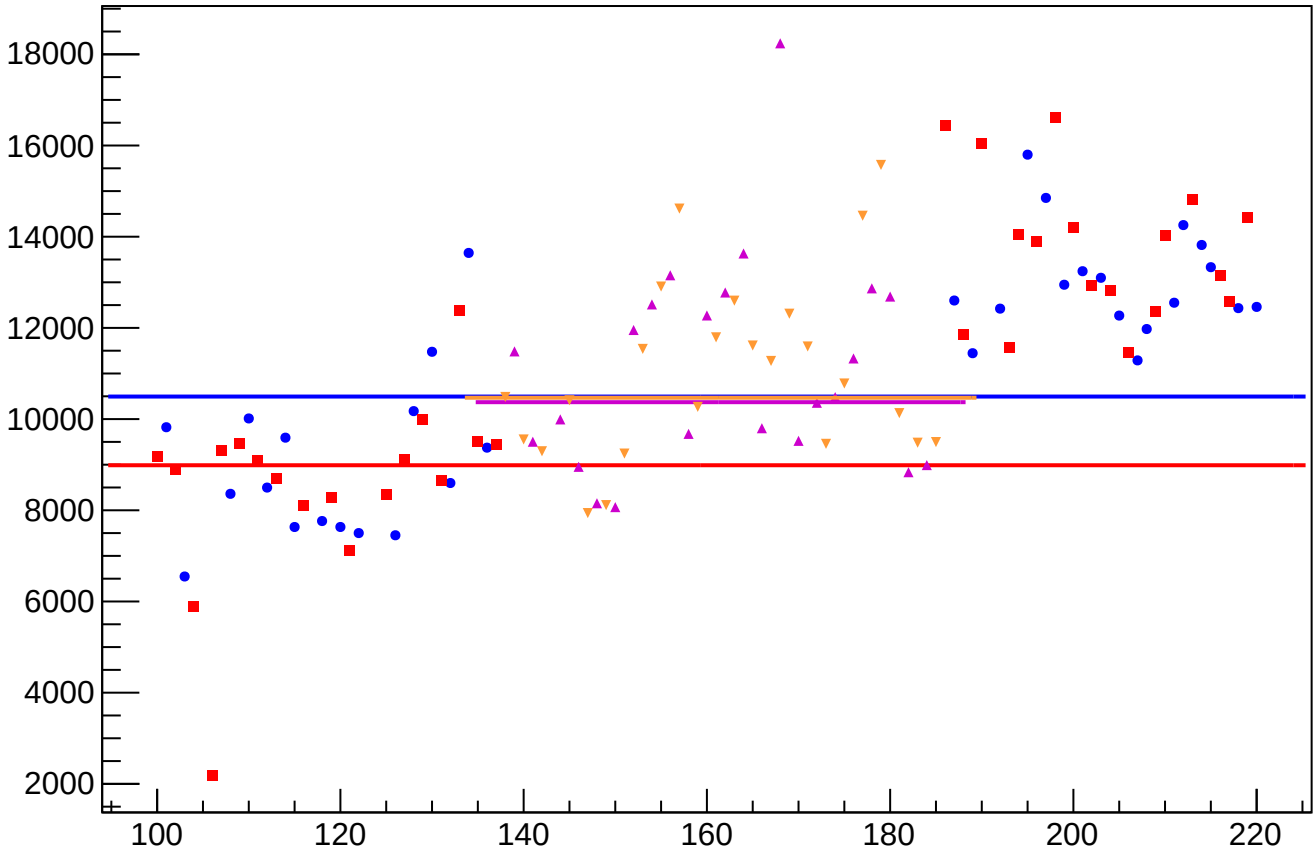
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

Right: 207.306+/-1595.606 χ^2/NDF: 83.0/67

In: 304.424+/-1706.575 χ^2/NDF:53.0/55

Out: -501.456+/-1631.762 χ^2/NDF:73.3/58

All: -116.567+/-1179.391 χ^2/NDF: 126.4/114



Right In: 10494.471+/-1.668 χ^2/NDF: 2311695.4/32

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8987.895+/-1.532 χ^2/NDF: 7227601.6/34

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

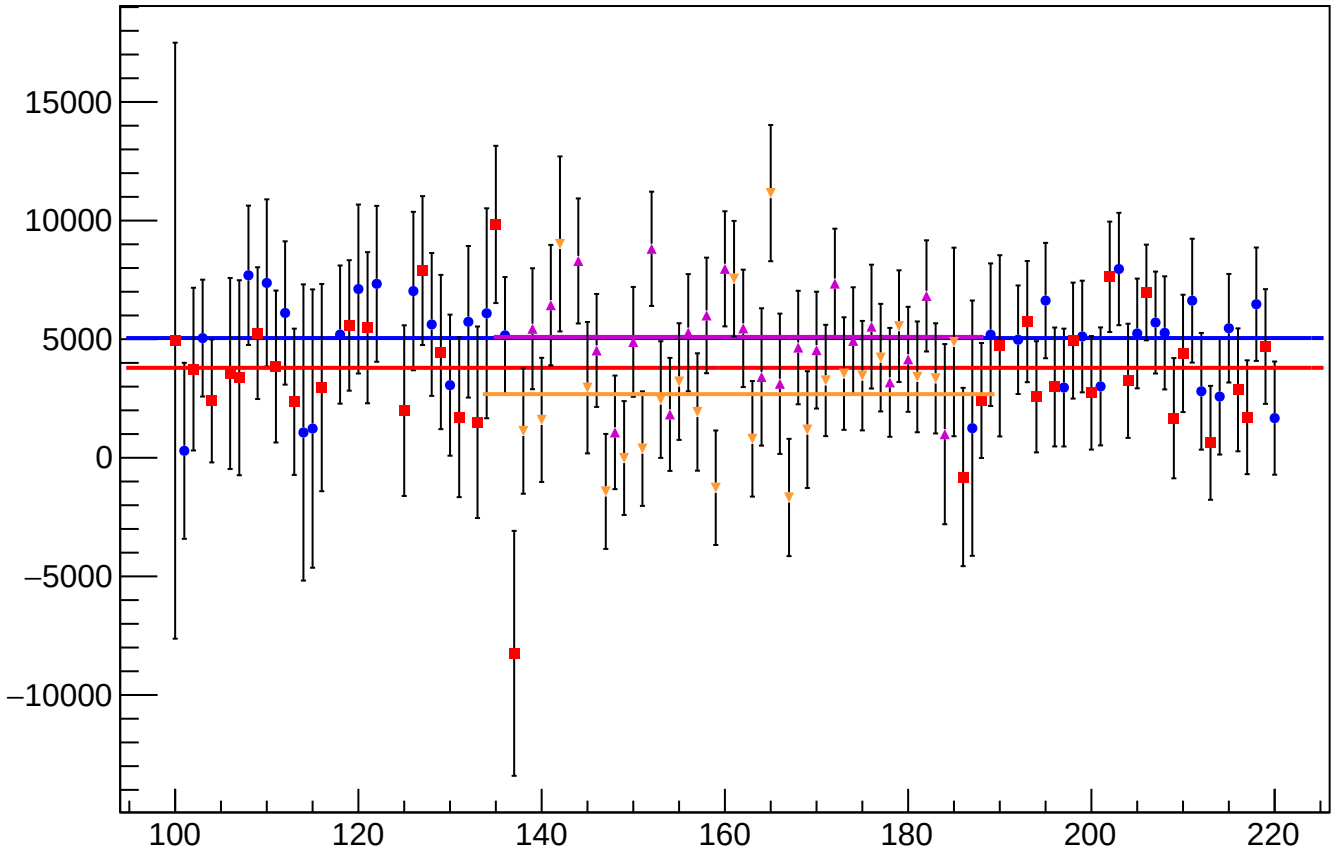
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9676.828+/-1.128 χ^2/NDF: 9981803.2/67

In: 10435.538+/-1.207 χ^2/NDF:3518069.6/55

Out: 9628.200+/-1.154 χ^2/NDF:8677089.4/58

All: 10013.785+/-0.834 χ^2/NDF: 12428984.8



Right In: 5047.456+/-482.089 χ^2/NDF: 14.1/32

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3792.508+/-484.334 χ^2/NDF: 25.0/34

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

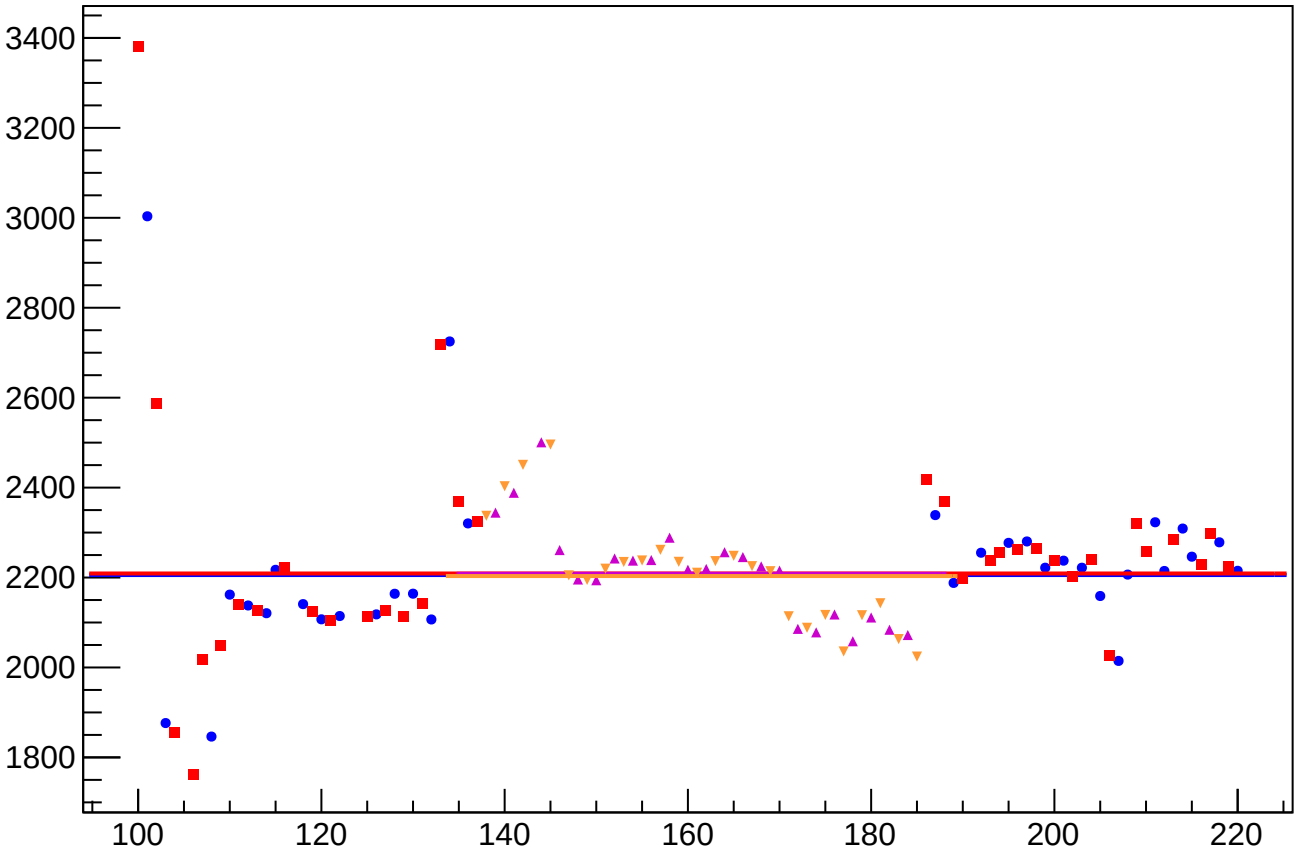
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4422.897+/-341.679 χ^2/NDF: 42.5/67

In: 5070.225+/-352.341 χ^2/NDF:29.1/55

Out: 3268.462+/-351.857 χ^2/NDF:58.3/58

All: 4168.104+/-248.971 χ^2/NDF: 100.5/114



Right In: 2205.517+/-0.341 χ^2/NDF: 232843.9/32

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

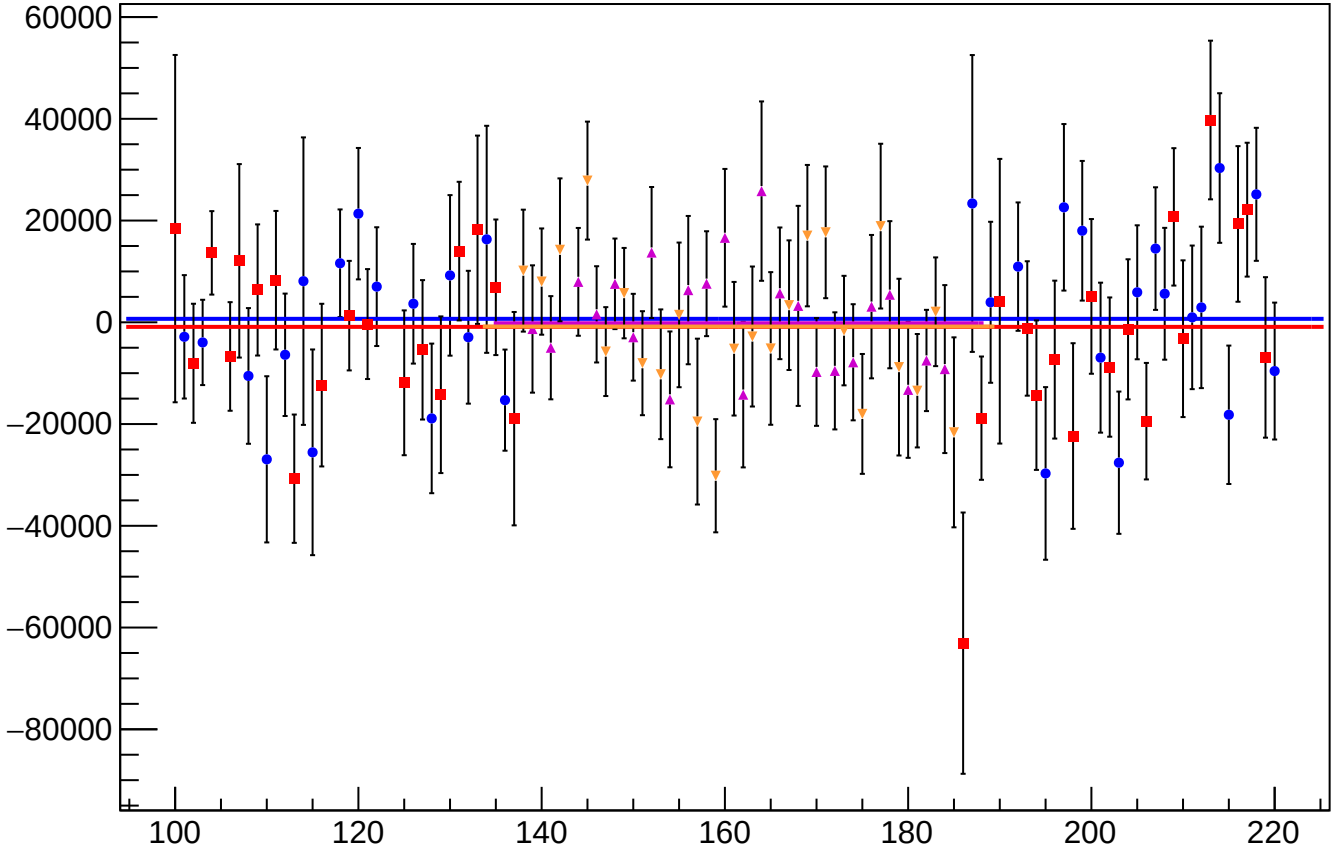
Right: 2207.260+/-0.241 χ^2/NDF: 446741.6/67

In: 2206.850+/-0.249 χ^2/NDF:313871.1/55

Out: 2206.318+/-0.249 χ^2/NDF:302185.4/58

All: 2206.584+/-0.176 χ^2/NDF: 616058.7/114

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 683.110+/-2358.153 χ^2/NDF: 39.2/32

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

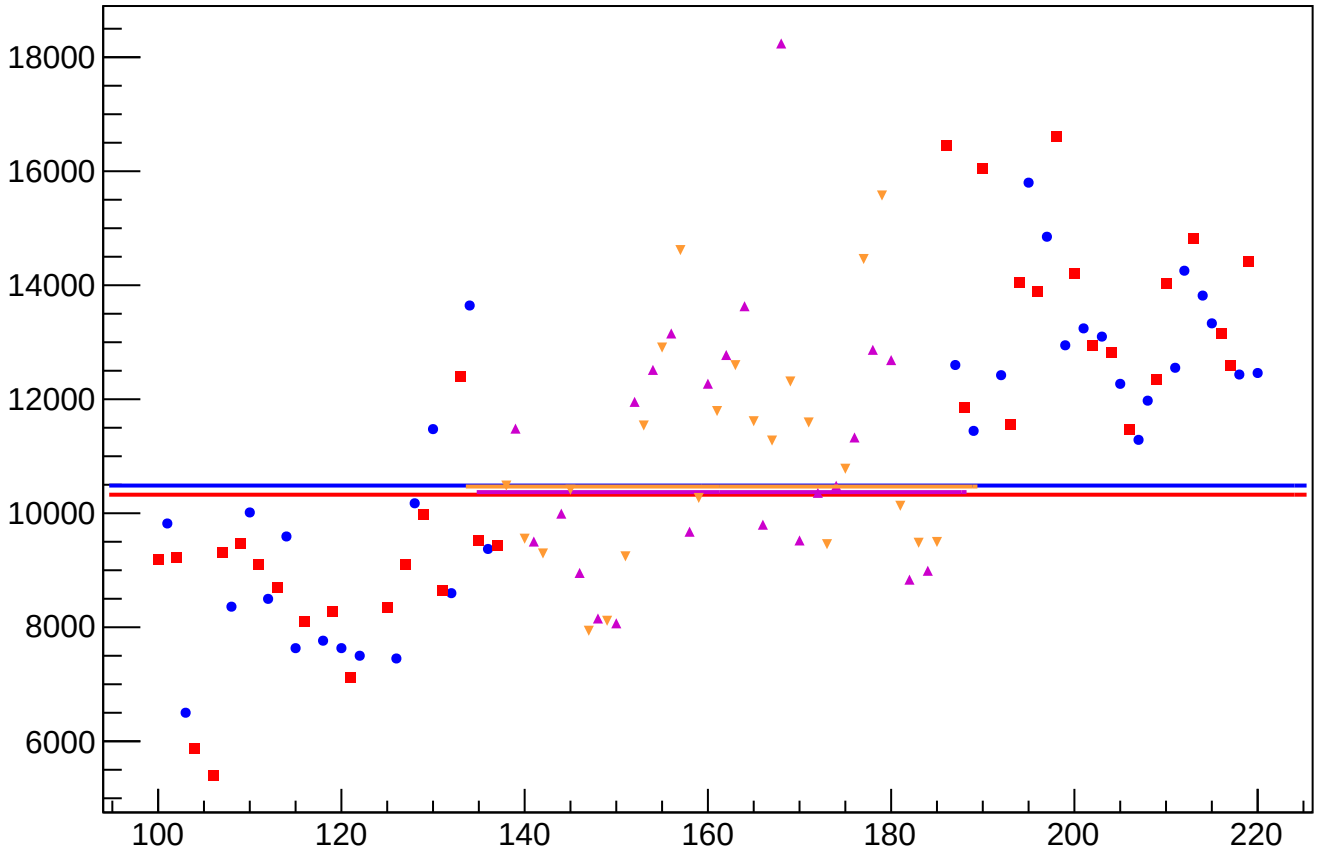
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

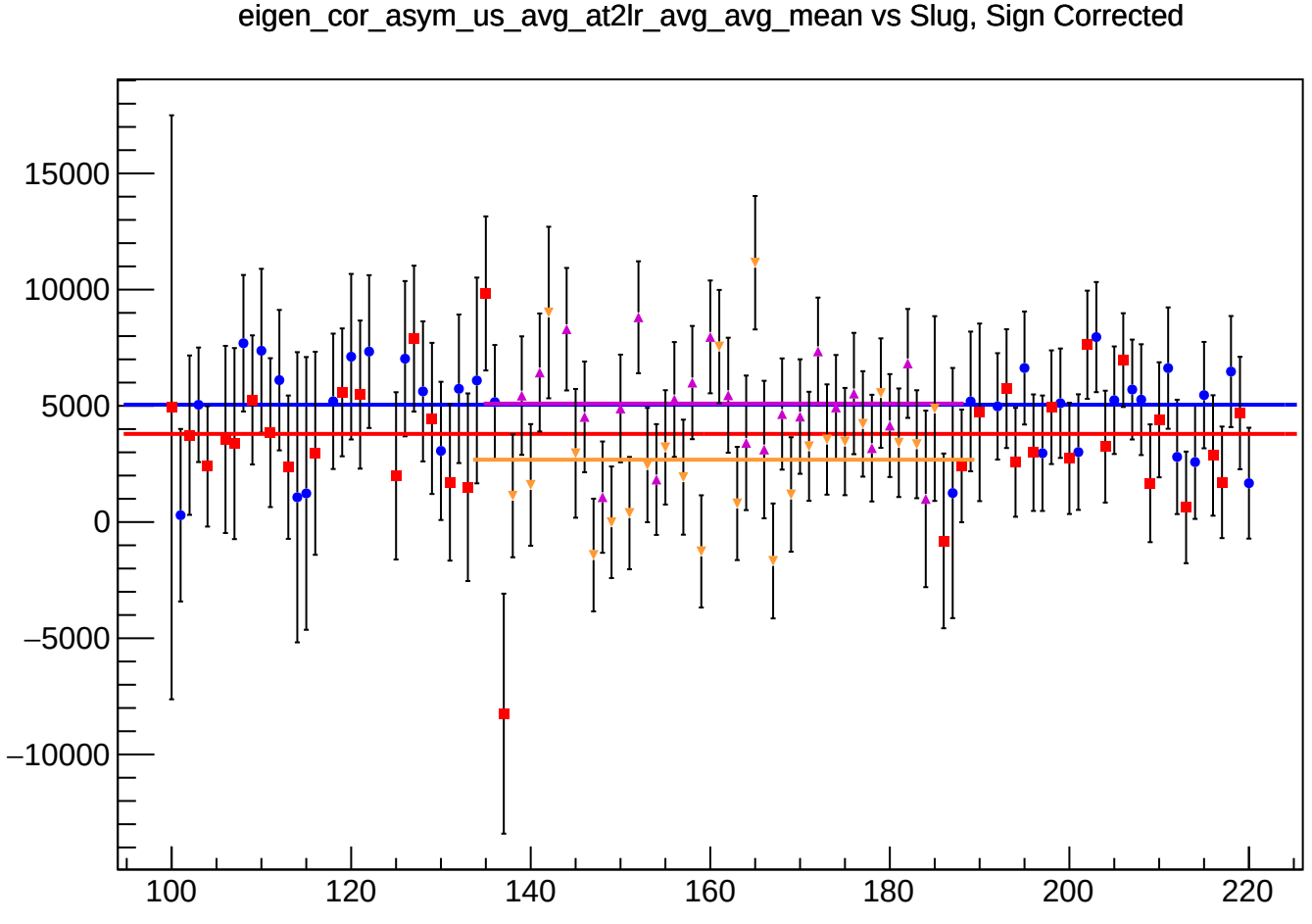
Right: -111.482+/-1663.315 χ^2/NDF: 83.7/67

In: 270.627+/-1706.038 χ^2/NDF:53.0/55

Out: -867.644+/-1704.927 χ^2/NDF:73.7/58

All: -298.879+/-1205.958 χ^2/NDF: 127.0/114


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 10485.978+/-1.667 χ²/NDF: 2329061.6/32
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 10325.502+/-1.659 χ²/NDF: 3100705.5/34
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 10405.341+/-1.176 χ²/NDF: 5434421.2/67
In: 10431.125+/-1.206 χ²/NDF:3535096.0/55
Out: 10393.088+/-1.206 χ²/NDF:4149479.1/58
All: 10412.094+/-0.853 χ²/NDF: 7685072.5/1



Right In: 5047.456+/-482.089 χ^2/NDF: 14.1/32

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3792.508+/-484.334 χ^2/NDF: 25.0/34

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

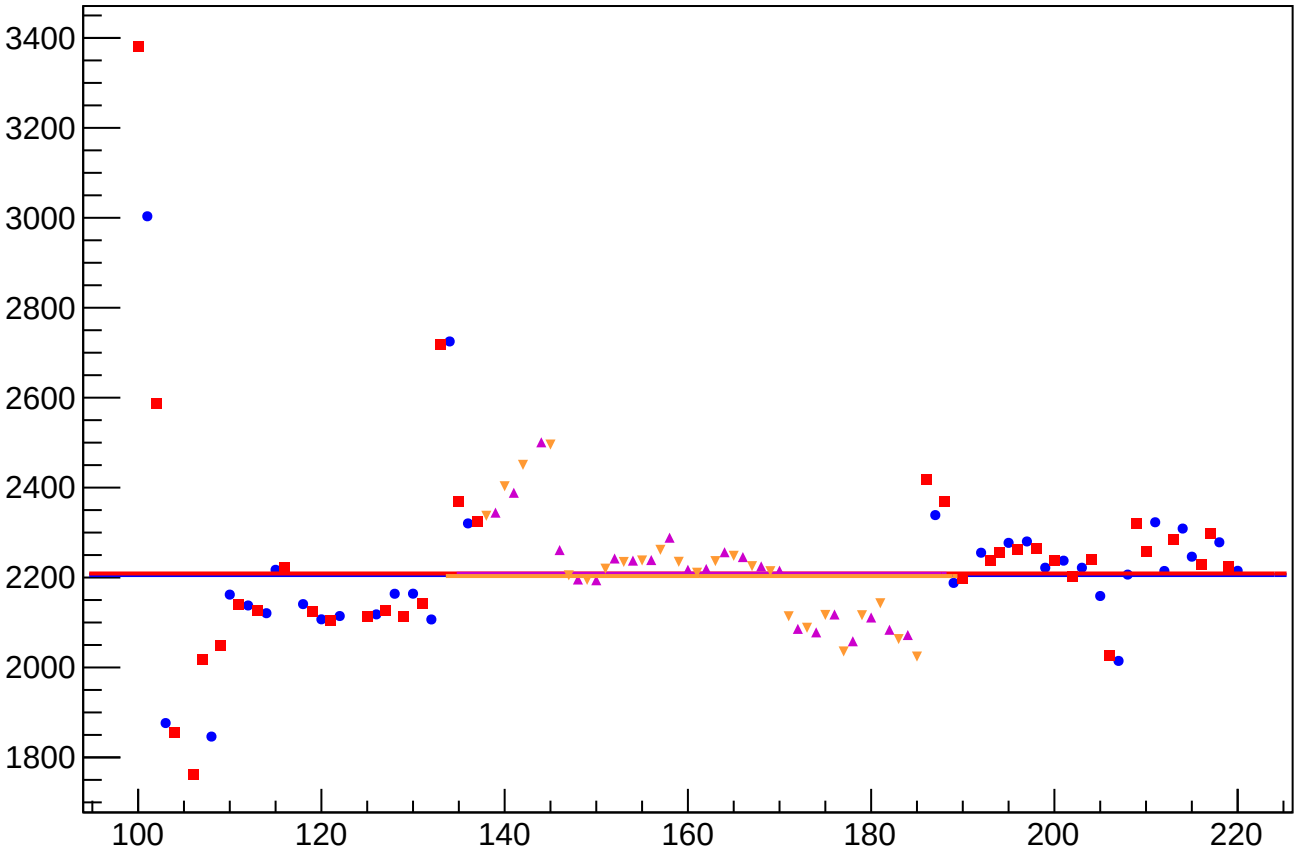
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4422.897+/-341.679 χ^2/NDF: 42.5/67

In: 5070.225+/-352.341 χ^2/NDF:29.1/55

Out: 3268.462+/-351.857 χ^2/NDF:58.3/58

All: 4168.104+/-248.971 χ^2/NDF: 100.5/114



Right In: 2205.517+/-0.341 χ^2/NDF: 232843.9/32

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

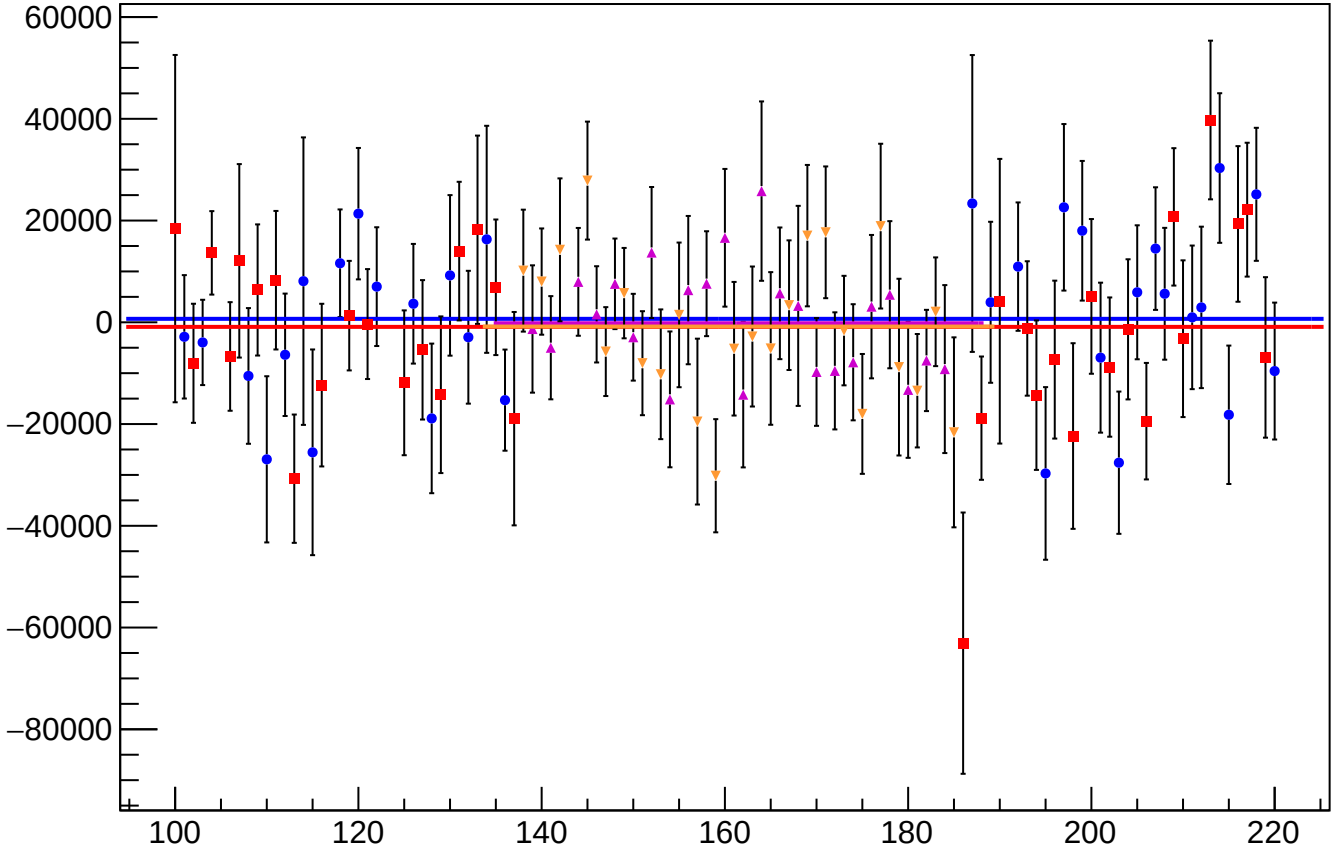
Right: 2207.260+/-0.241 χ^2/NDF: 446741.6/67

In: 2206.850+/-0.249 χ^2/NDF:313871.1/55

Out: 2206.318+/-0.249 χ^2/NDF:302185.4/58

All: 2206.584+/-0.176 χ^2/NDF: 616058.7/114

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 683.110+/-2358.153 χ^2/NDF: 39.2/32

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

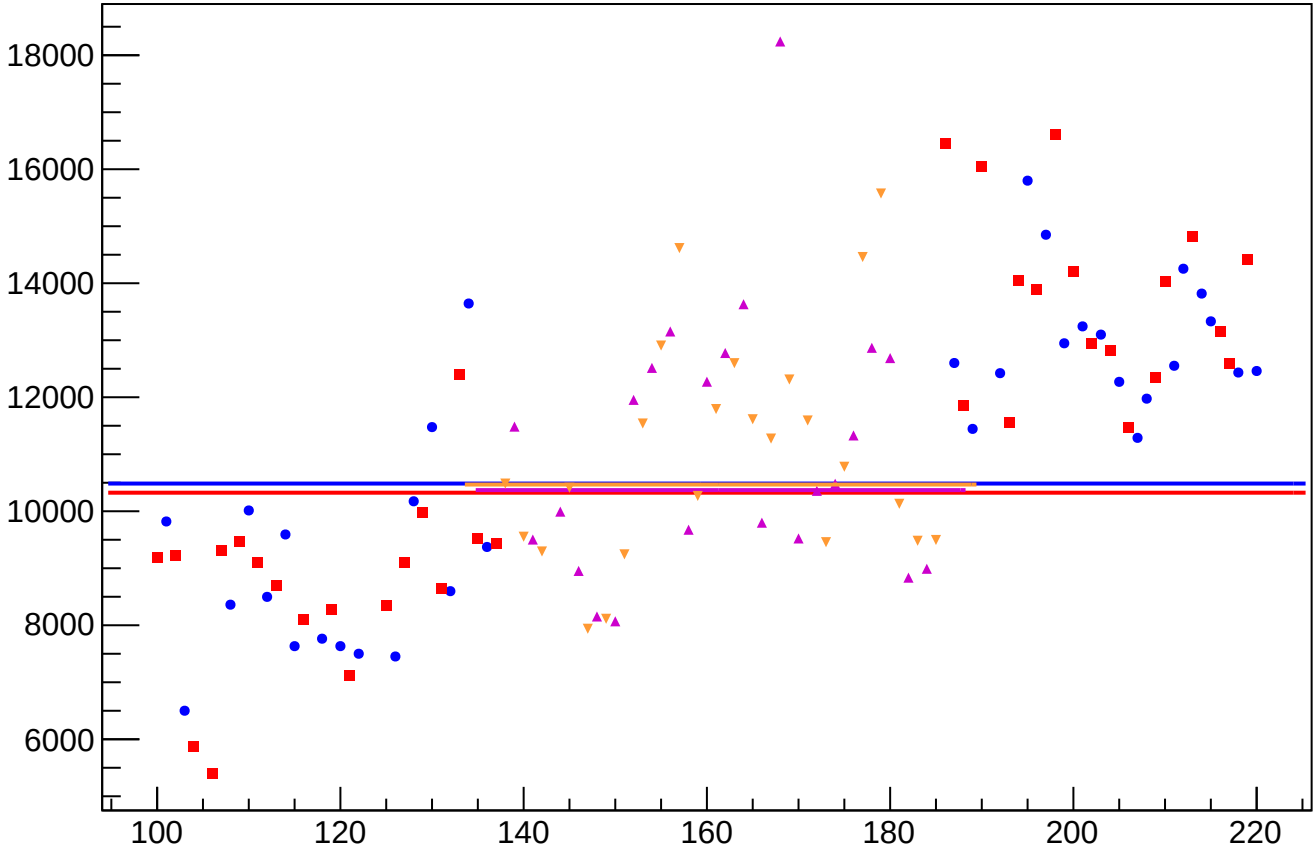
Right: -111.482+/-1663.315 χ^2/NDF: 83.7/67

In: 270.627+/-1706.038 χ^2/NDF:53.0/55

Out: -867.644+/-1704.927 χ^2/NDF:73.7/58

All: -298.879+/-1205.958 χ^2/NDF: 127.0/114

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 10485.978+/-1.667 χ^2/NDF: 2329061.6/32

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10325.502+/-1.659 χ^2/NDF: 3100705.5/34

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

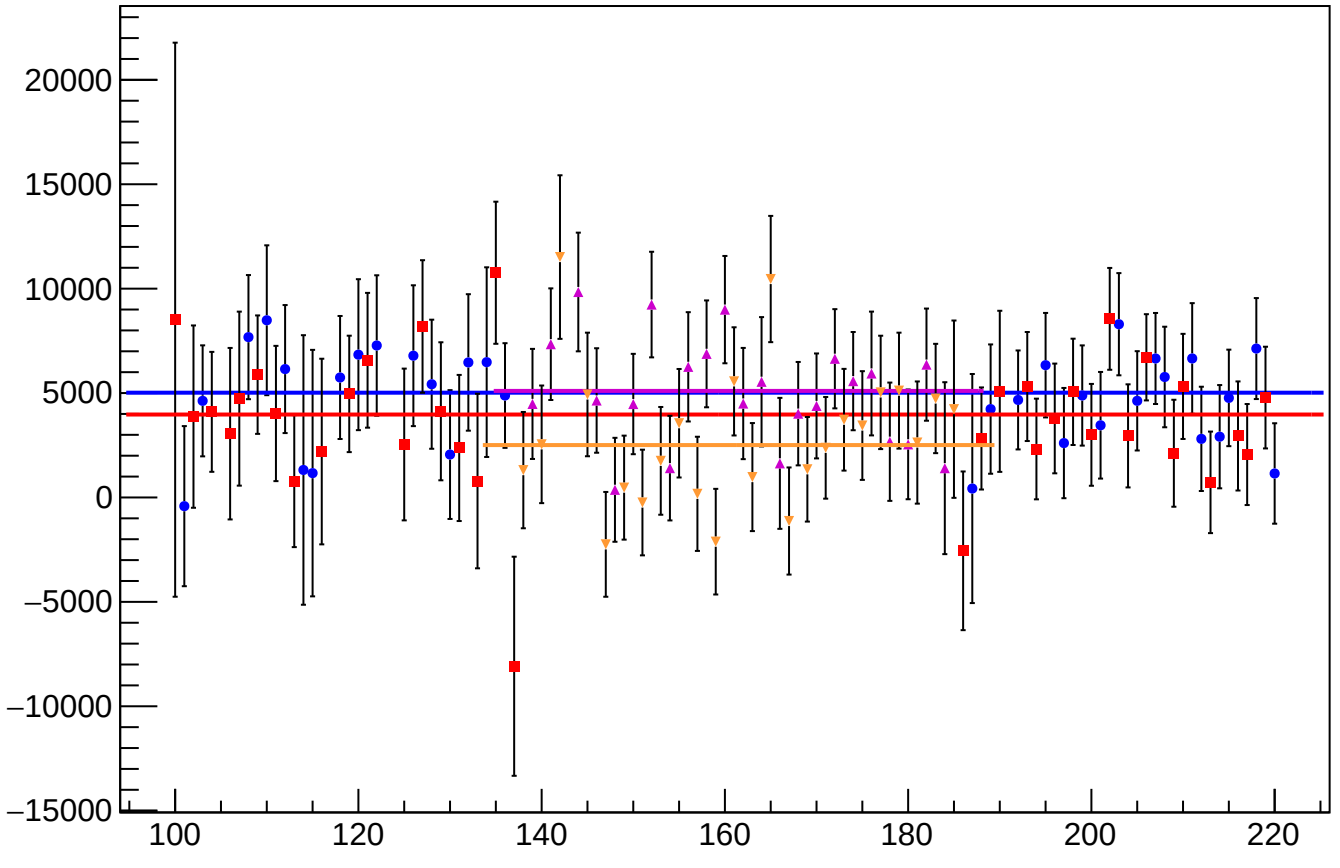
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10405.341+/-1.176 χ^2/NDF: 5434421.2/67

In: 10431.125+/-1.206 χ^2/NDF:3535096.0/55

Out: 10393.088+/-1.206 χ^2/NDF:4149479.1/58

All: 10412.094+/-0.853 χ^2/NDF: 7685072.5/1



Right In: 5017.594+/-493.322 χ^2/NDF: 17.0/32

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3971.883+/-497.416 χ^2/NDF: 27.9/34

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

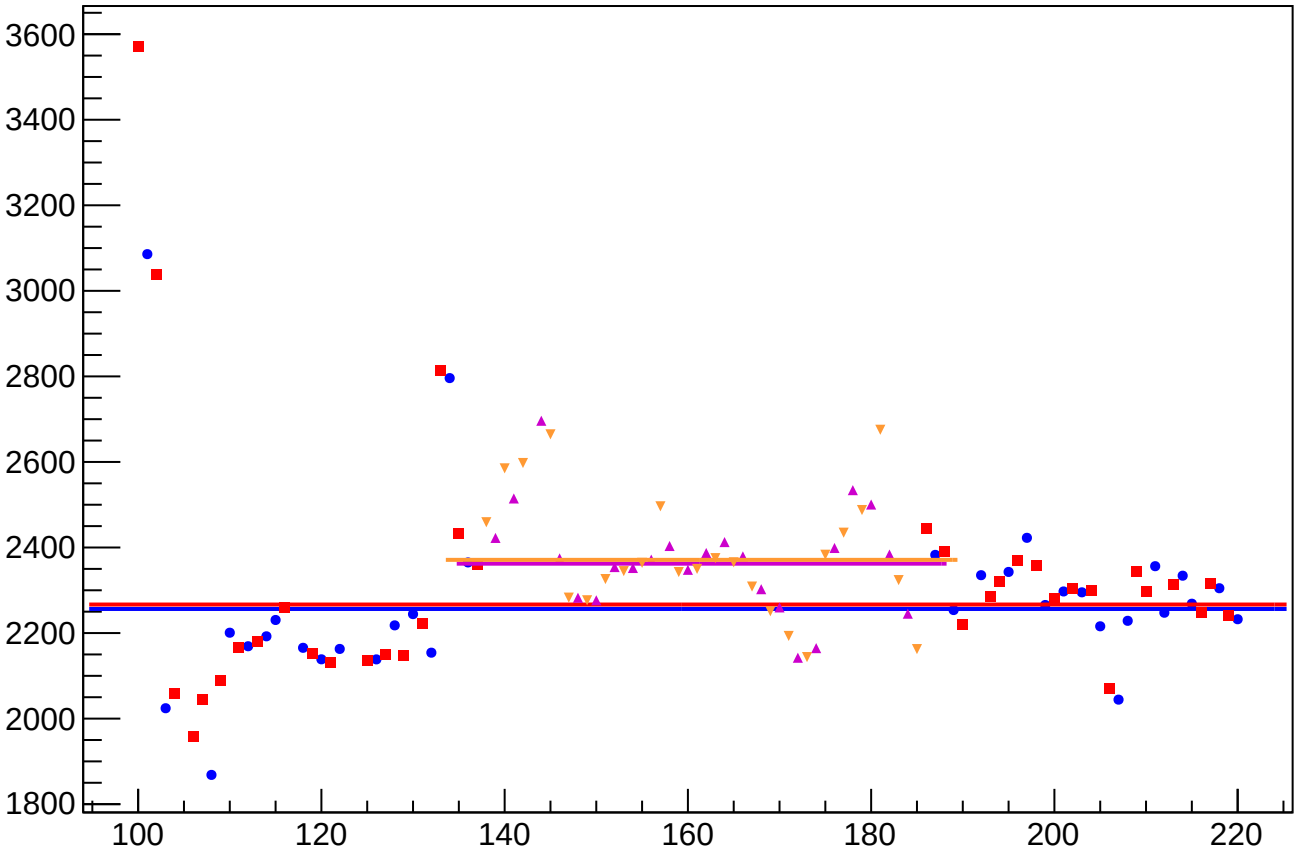
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4499.060+/-350.270 χ^2/NDF: 47.1/67

In: 5055.470+/-368.006 χ^2/NDF:36.9/55

Out: 3315.792+/-369.401 χ^2/NDF:61.5/58

All: 4188.924+/-260.711 χ^2/NDF: 109.6/114



Right In: 2256.308+/-0.349 χ^2/NDF: 227905.4/32

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2266.702+/-0.352 χ^2/NDF: 215424.4/34

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

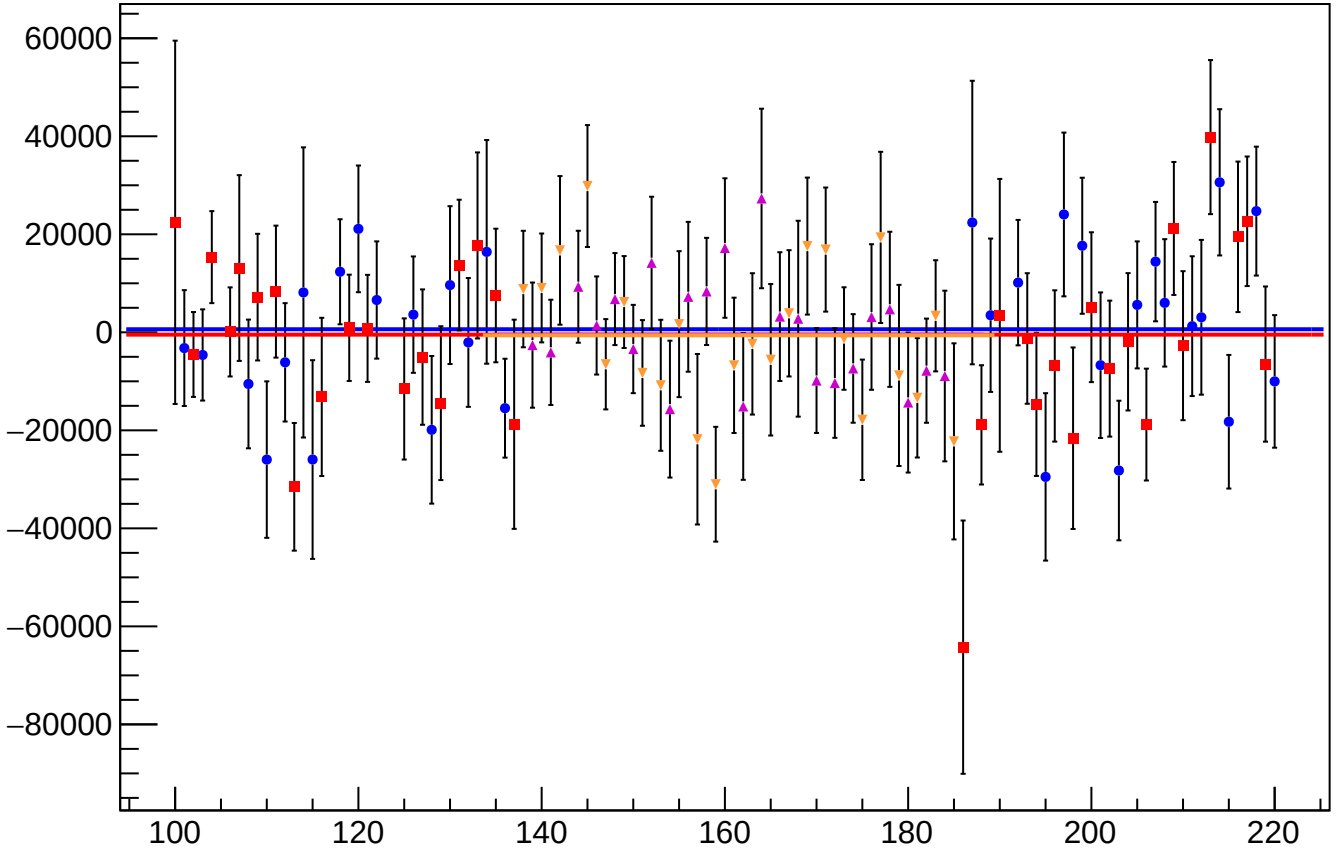
Right: 2261.463+/-0.248 χ^2/NDF: 443770.1/67

In: 2303.281+/-0.260 χ^2/NDF:360686.8/55

Out: 2313.528+/-0.261 χ^2/NDF:371268.0/58

All: 2308.386+/-0.184 χ^2/NDF: 732727.2/114

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 624.474+/-2389.535 χ^2/NDF: 38.9/32

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -474.121+/-2321.630 χ^2/NDF: 43.5/34

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

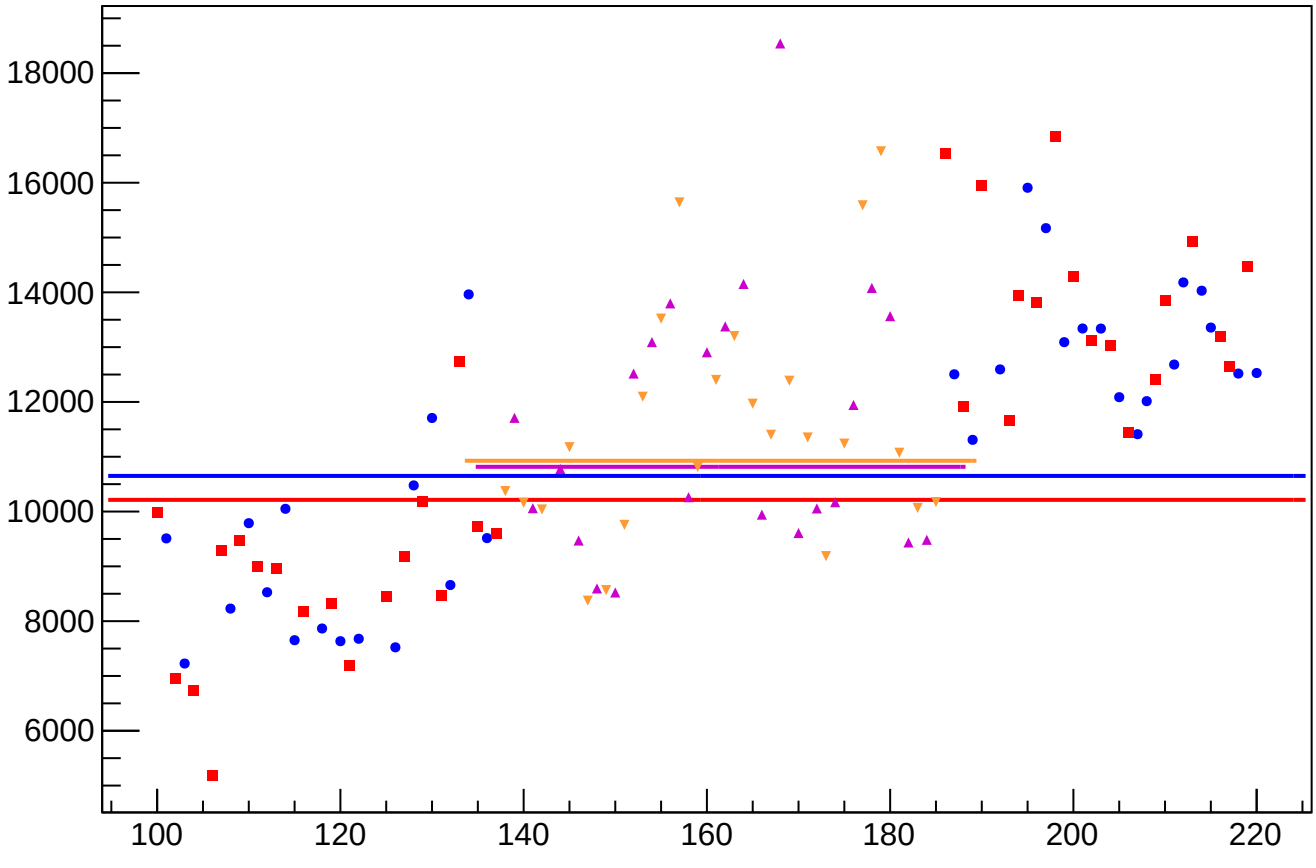
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

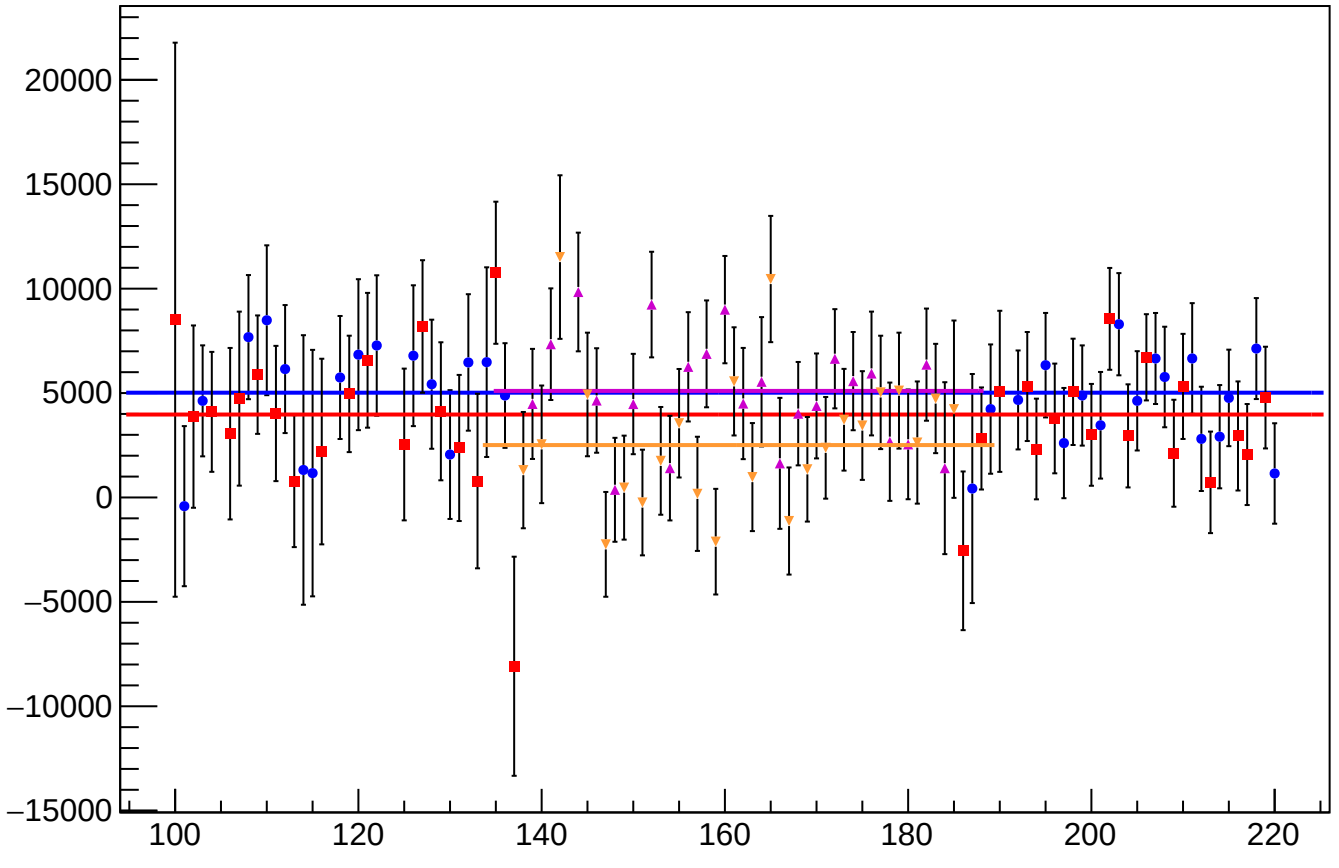
Right: 59.345+/-1665.129 χ^2/NDF: 82.6/67

In: 109.269+/-1752.253 χ^2/NDF:52.6/55

Out: -533.895+/-1728.736 χ^2/NDF:72.4/58

All: -216.658+/-1230.631 χ^2/NDF: 125.0/114


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 10650.103+/-1.690 χ²/NDF: 2145485.4/32
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 10213.473+/-1.642 χ²/NDF: 3308893.0/34
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 10425.496+/-1.177 χ²/NDF: 5488729.6/67
In: 10726.940+/-1.239 χ²/NDF:3346779.8/55
Out: 10531.314+/-1.222 χ²/NDF:4450359.7/58
All: 10627.806+/-0.870 χ²/NDF: 7809772.0/1



Right In: 5017.587+/-493.322 χ^2/NDF: 17.0/32

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 3971.882+/-497.416 χ^2/NDF: 27.9/34

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

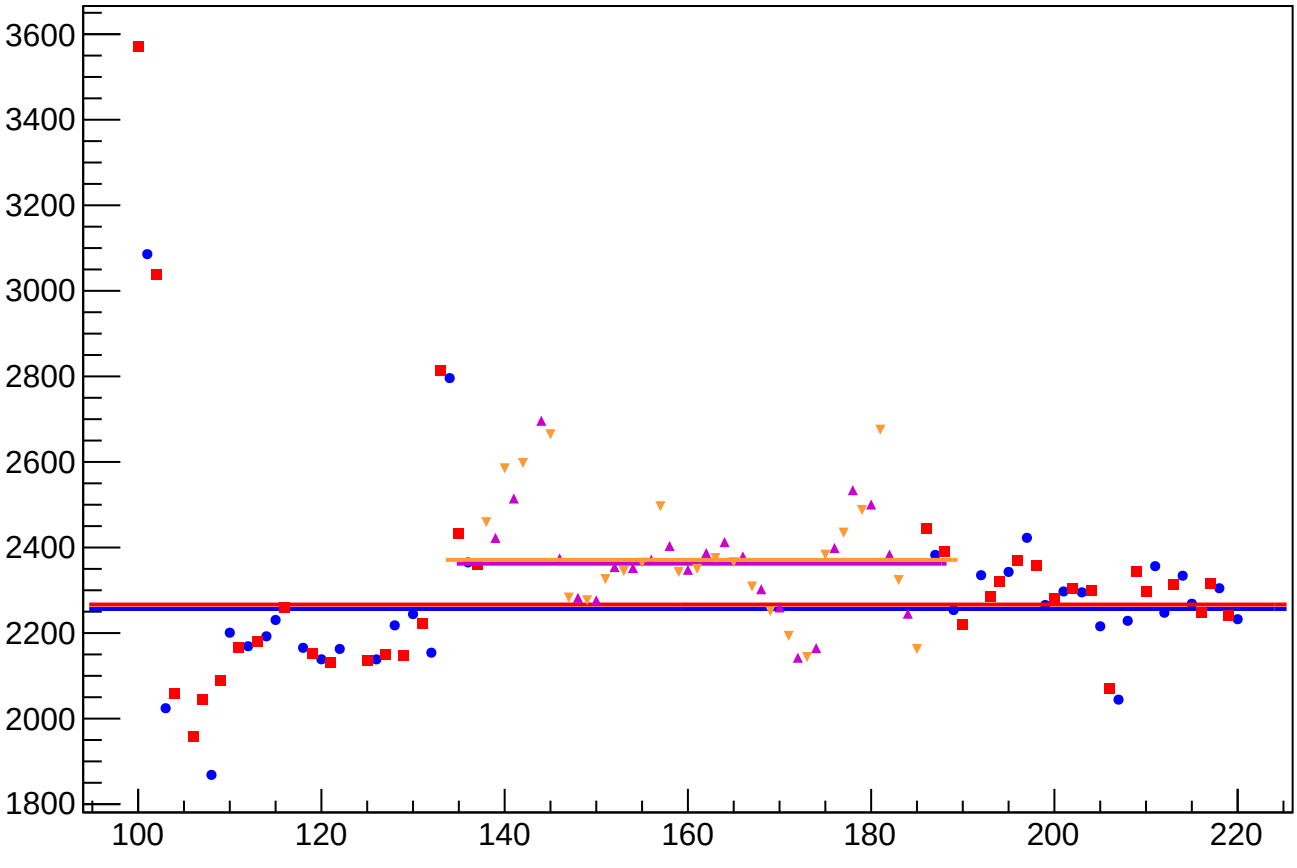
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4499.056+/-350.270 χ^2/NDF: 47.1/67

In: 5055.468+/-368.006 χ^2/NDF:36.9/55

Out: 3315.787+/-369.402 χ^2/NDF:61.5/58

All: 4188.920+/-260.712 χ^2/NDF: 109.6/114



Right In: 2256.308+/-0.349 χ^2/NDF: 227905.7/32

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2266.701+/-0.352 χ^2/NDF: 215424.9/34

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

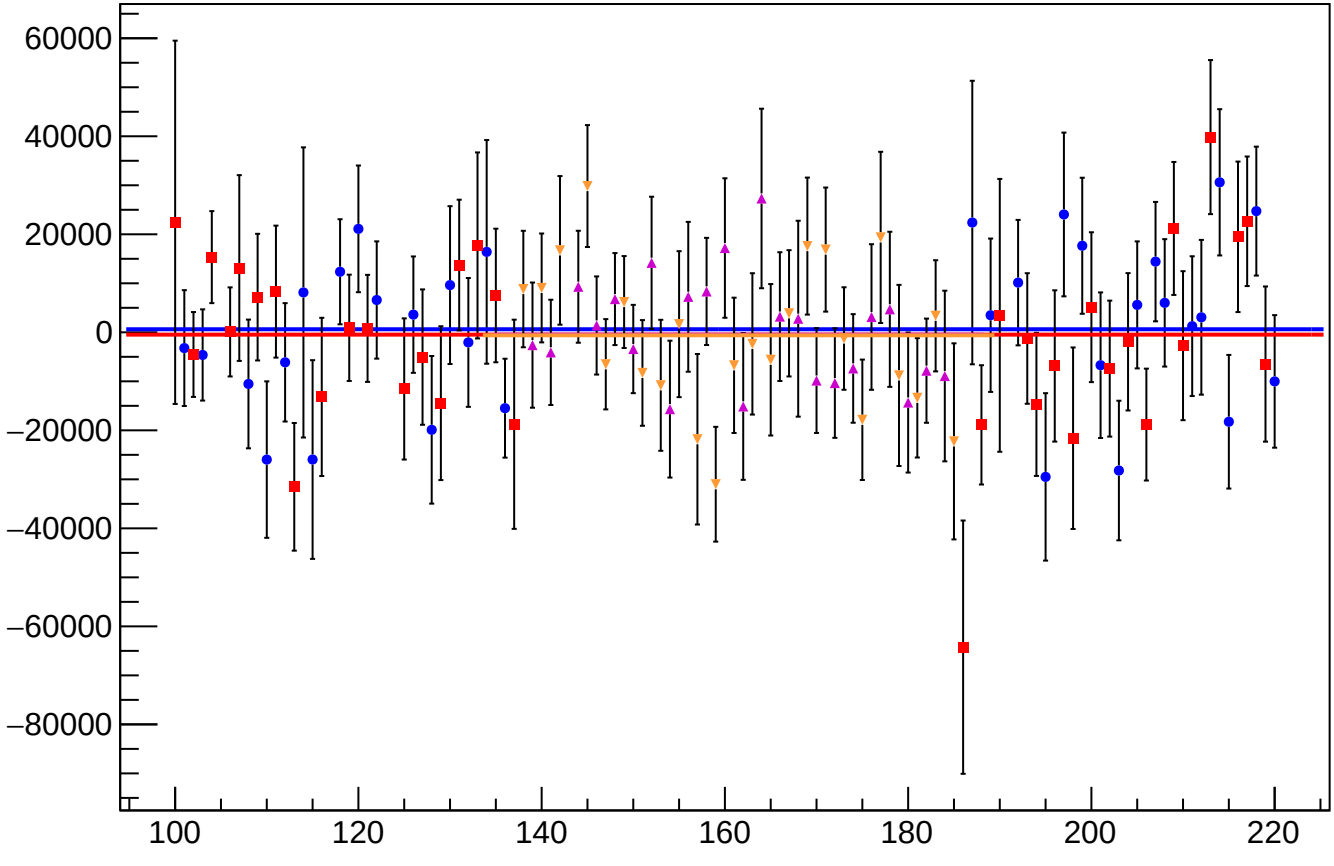
Right: 2261.463+/-0.248 χ^2/NDF: 443770.9/67

In: 2303.282+/-0.260 χ^2/NDF:360694.3/55

Out: 2313.529+/-0.261 χ^2/NDF:371275.3/58

All: 2308.387+/-0.184 χ^2/NDF: 732742.0/114

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 624.477+/-2389.534 χ^2/NDF: 38.9/32

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -474.112+/-2321.628 χ^2/NDF: 43.5/34

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

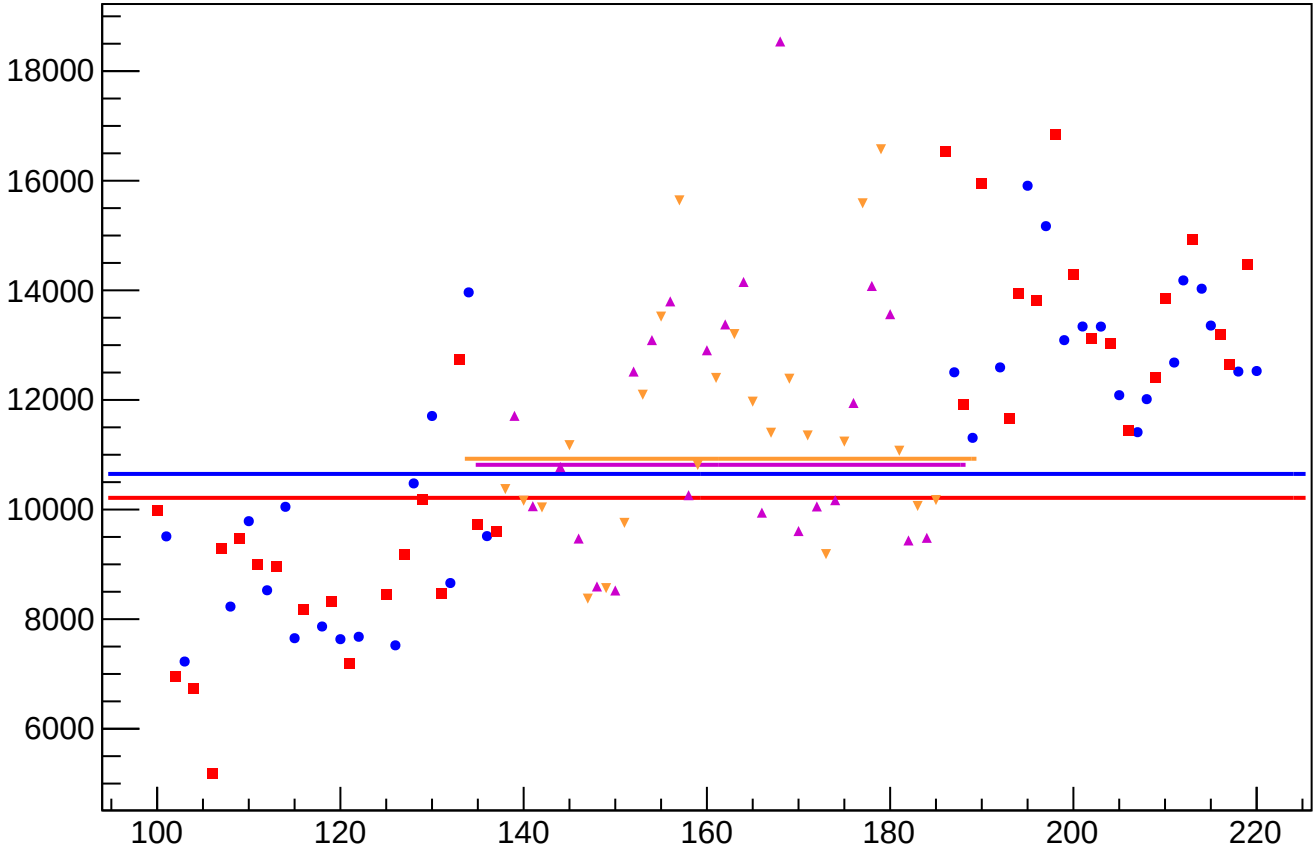
Right: 59.351+/-1665.128 χ^2/NDF: 82.6/67

In: 109.270+/-1752.254 χ^2/NDF:52.6/55

Out: -533.894+/-1728.737 χ^2/NDF:72.4/58

All: -216.656+/-1230.632 χ^2/NDF: 125.0/114

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 10650.094+/-1.690 χ^2/NDF: 2145520.1/32

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 10213.461+/-1.642 χ^2/NDF: 3308924.0/34

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

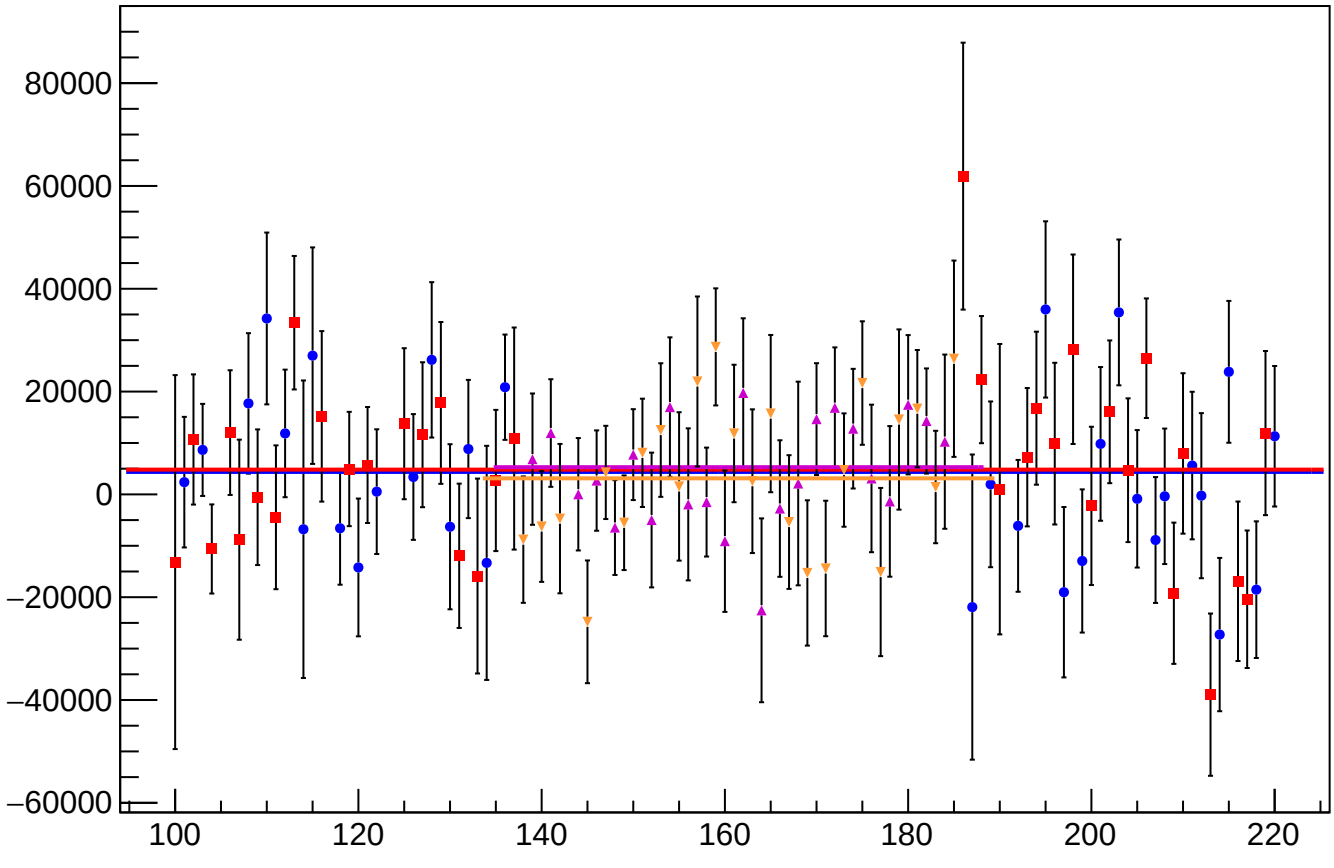
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 10425.485+/-1.177 χ^2/NDF: 5488795.7/67

In: 10726.942+/-1.239 χ^2/NDF:3346819.5/55

Out: 10531.315+/-1.222 χ^2/NDF:4450400.1/58

All: 10627.807+/-0.870 χ^2/NDF: 7809852.2/1



Right In: 4368.852+/-2422.809 χ^2/NDF: 39.5/32

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 4817.878+/-2422.519 χ^2/NDF: 44.4/34

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

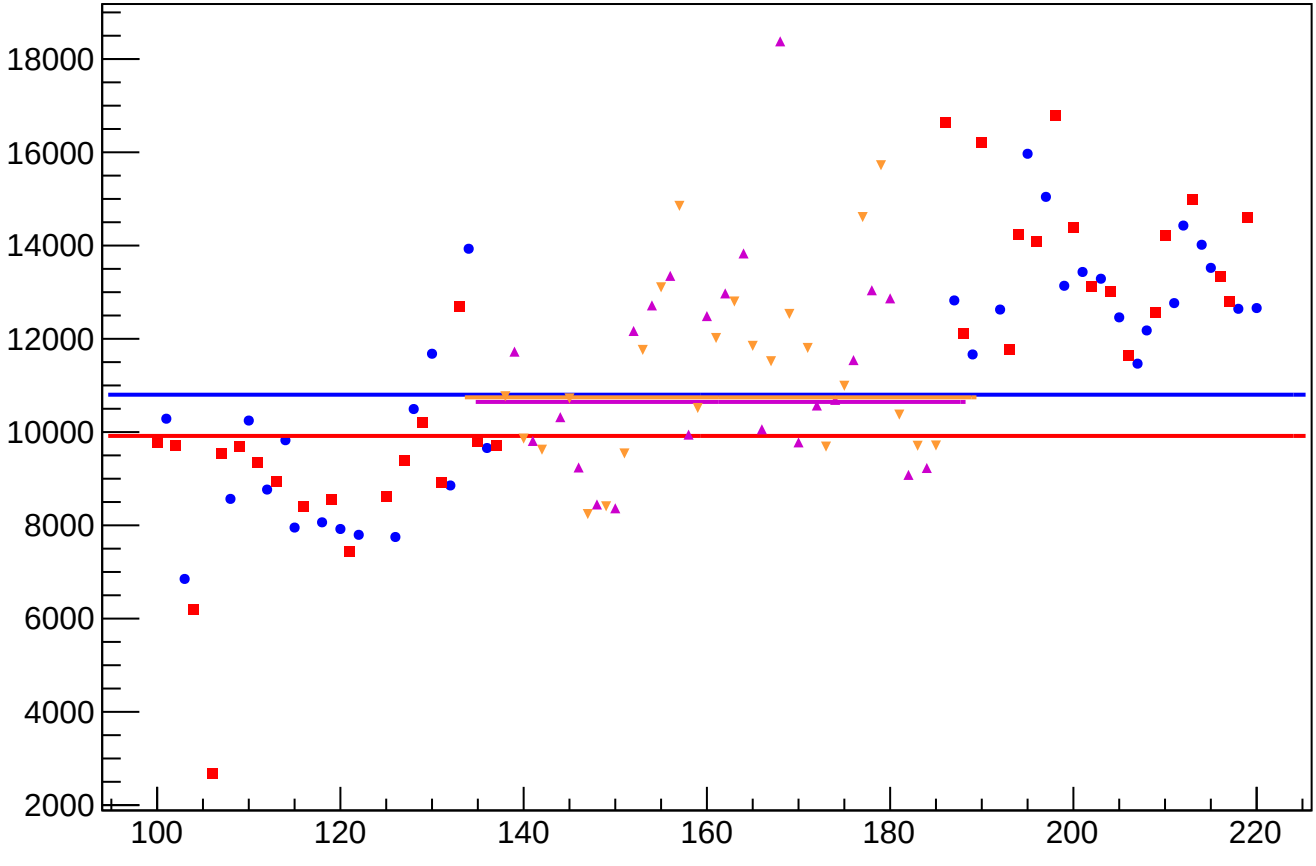
Right: 4593.392+/-1713.082 χ^2/NDF: 83.9/67

In: 4809.298+/-1750.843 χ^2/NDF:52.9/55

Out: 4009.664+/-1753.979 χ^2/NDF:72.1/58

All: 4410.197+/-1239.140 χ^2/NDF: 125.1/114

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 10801.483+/-1.713 χ^2/NDF: 2108119.8/32

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 9917.408+/-1.641 χ^2/NDF: 5049657.8/34

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

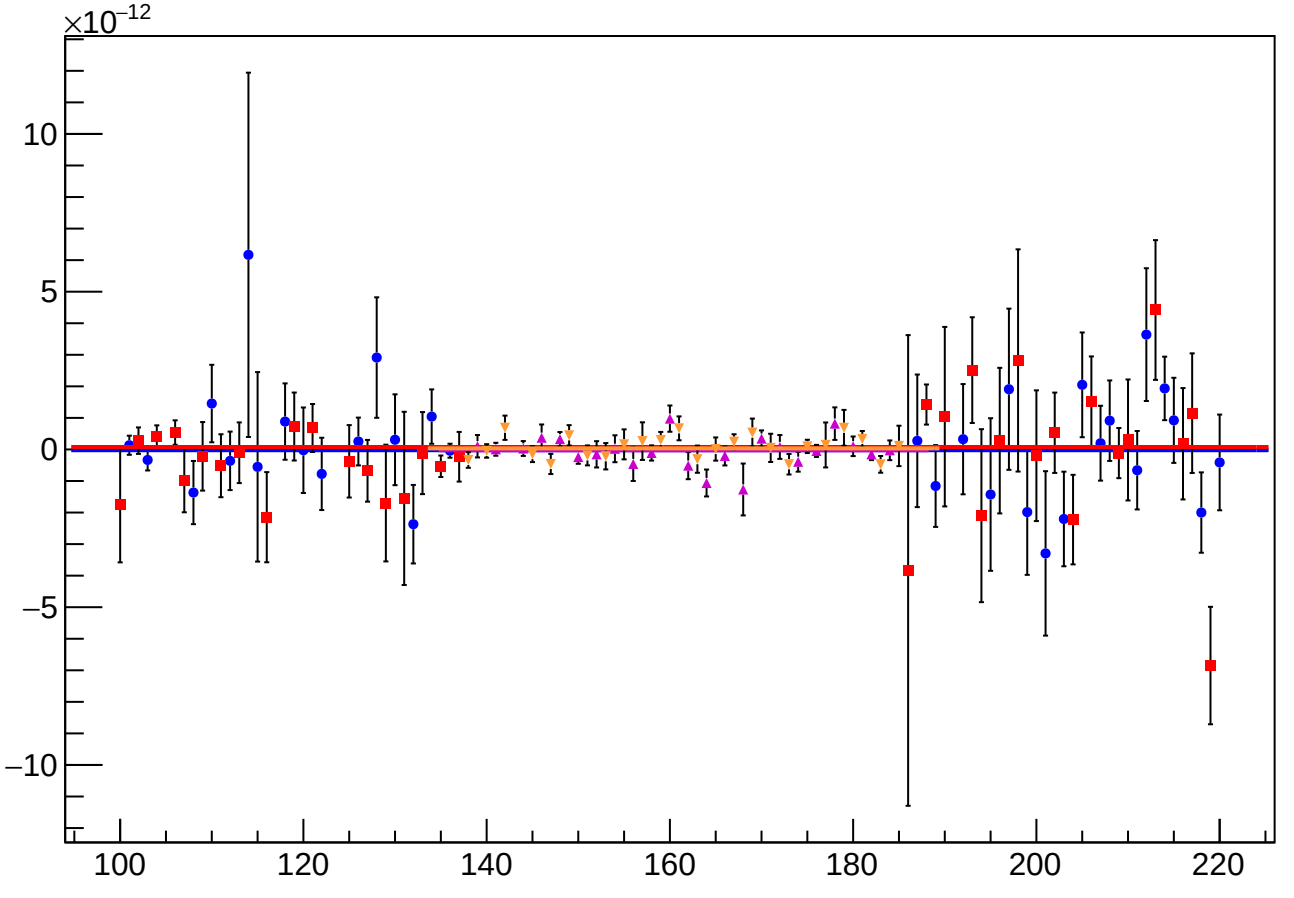
Right: 10340.432+/-1.185 χ^2/NDF: 7296656.0/67

In: 10727.425+/-1.238 χ^2/NDF:3226095.0/55

Out: 10293.636+/-1.212 χ^2/NDF:6129946.2/58

All: 10505.940+/-0.866 χ^2/NDF: 9418725.9/1

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 44.0/34

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

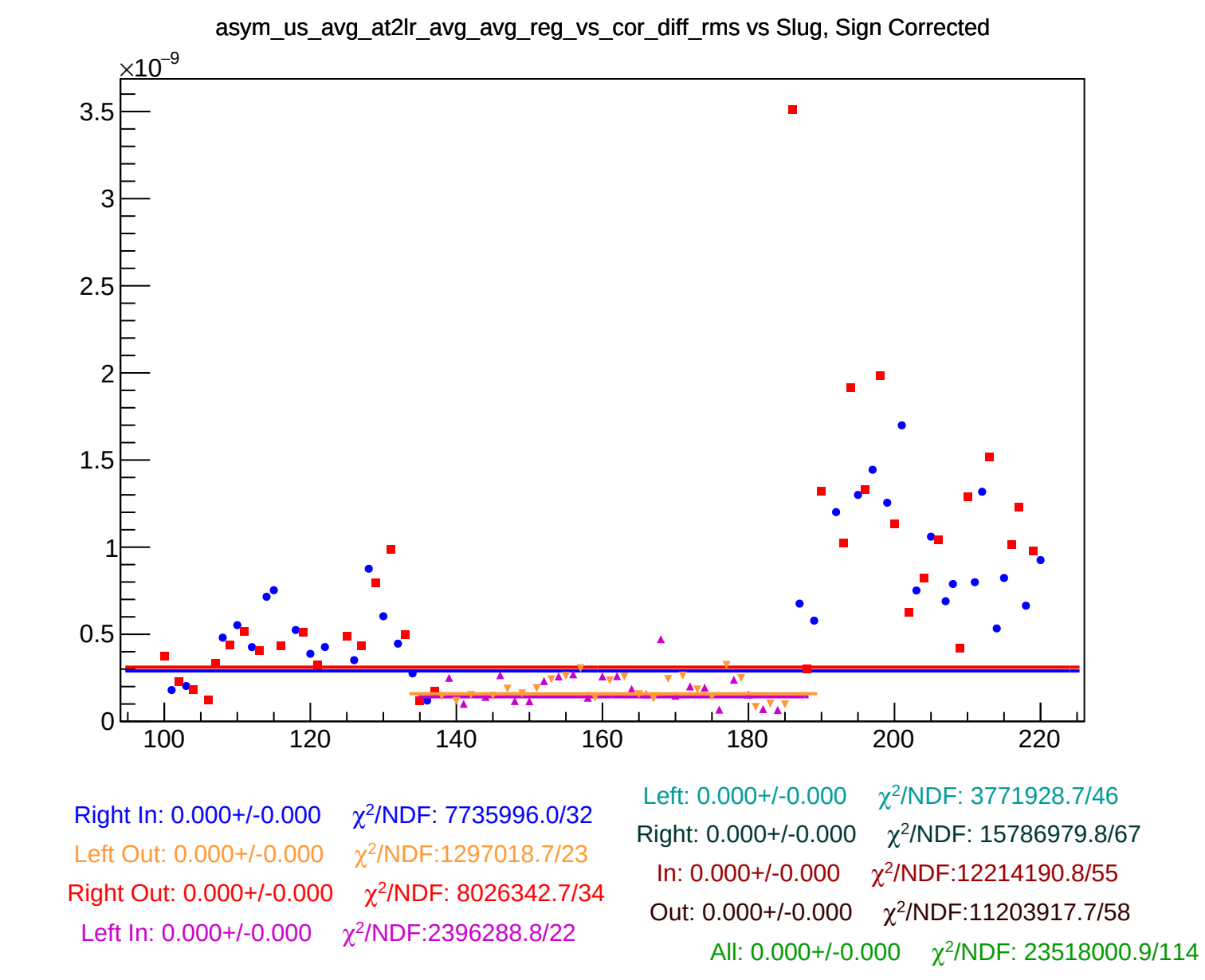
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 77.2/67

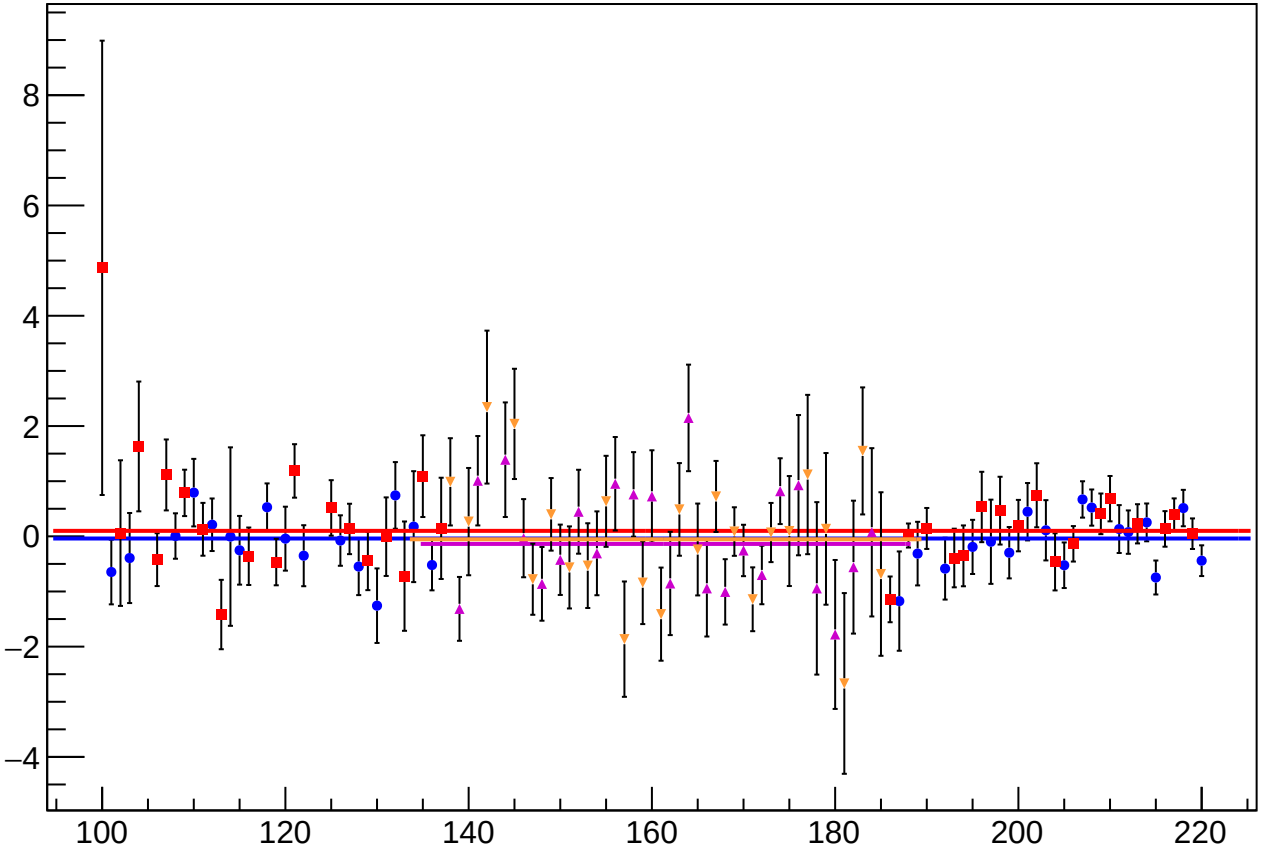
In: -0.000+/-0.000 χ^2/NDF:60.8/55

Out: 0.000+/-0.000 χ^2/NDF:70.4/58

All: 0.000+/-0.000 χ^2/NDF: 131.8/114


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
3.5
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7735996.0/32
Left Out: 0.000+/-0.000 χ²/NDF:1297018.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 8026342.7/34
Left In: 0.000+/-0.000 χ²/NDF:2396288.8/22
Left: 0.000+/-0.000 χ²/NDF: 3771928.7/46
Right: 0.000+/-0.000 χ²/NDF: 15786979.8/67
In: 0.000+/-0.000 χ²/NDF:12214190.8/55
Out: 0.000+/-0.000 χ²/NDF:11203917.7/58
All: 0.000+/-0.000 χ²/NDF: 23518000.9/114

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.081 χ^2/NDF: 36.7/32

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

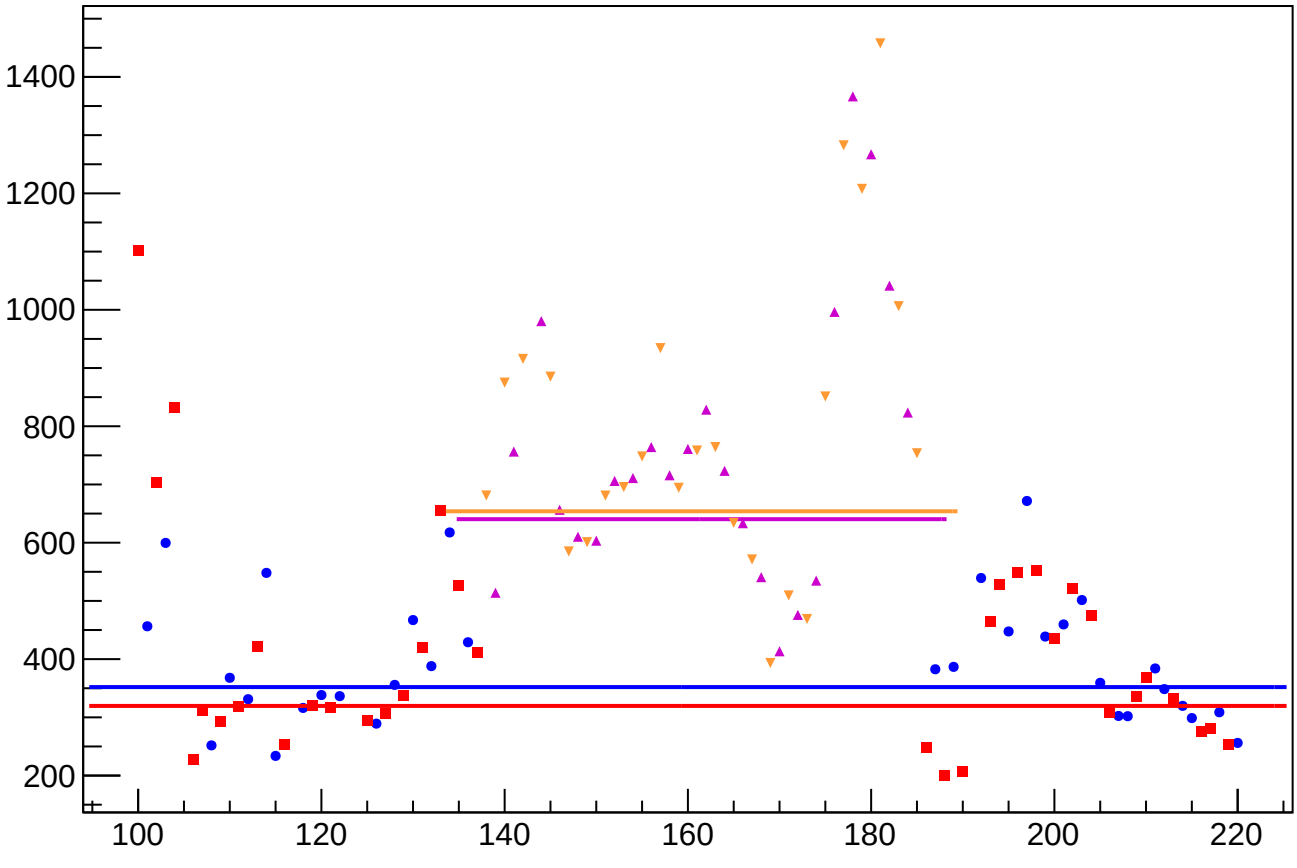
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.034+/-0.055 χ^2/NDF: 83.7/67

In: -0.060+/-0.072 χ^2/NDF:67.0/55

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.009+/-0.050 χ^2/NDF: 145.1/114



Right In: 351.981+/-0.057 χ^2/NDF: 2202284.1/32

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 319.631+/-0.053 χ^2/NDF: 3836102.3/34

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

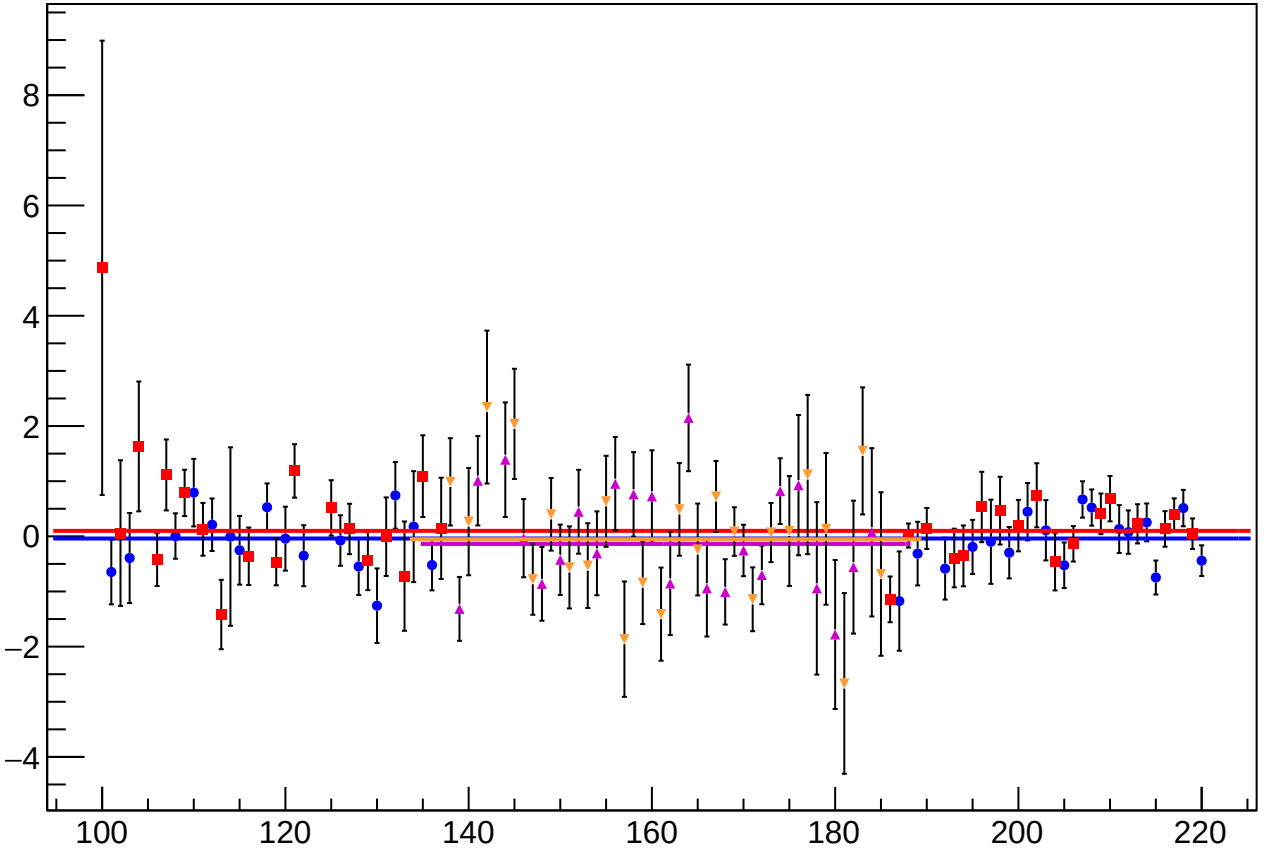
Right: 334.745+/-0.039 χ^2/NDF: 6209278.7/67

In: 411.832+/-0.051 χ^2/NDF:10140425.6/55

Out: 379.883+/-0.048 χ^2/NDF:14000643.9/58

All: 395.079+/-0.035 χ^2/NDF: 24348051.6/11

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.081 χ^2/NDF: 36.7/32

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

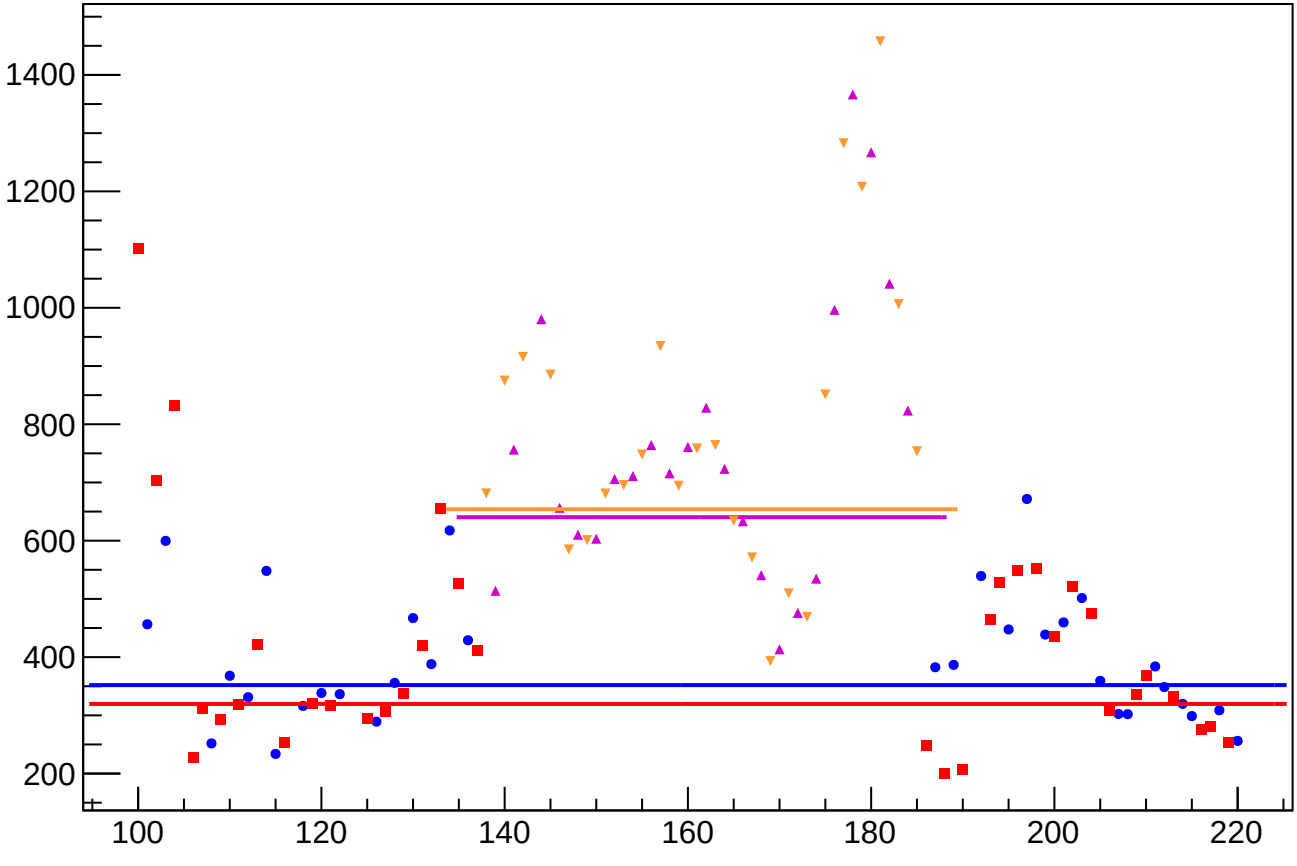
Right: 0.034+/-0.055 χ^2/NDF: 83.7/67

In: -0.060+/-0.072 χ^2/NDF:67.0/55

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.009+/-0.050 χ^2/NDF: 145.1/114

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 351.981+/-0.057 χ^2/NDF: 2202284.1/32

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 319.631+/-0.053 χ^2/NDF: 3836102.3/34

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

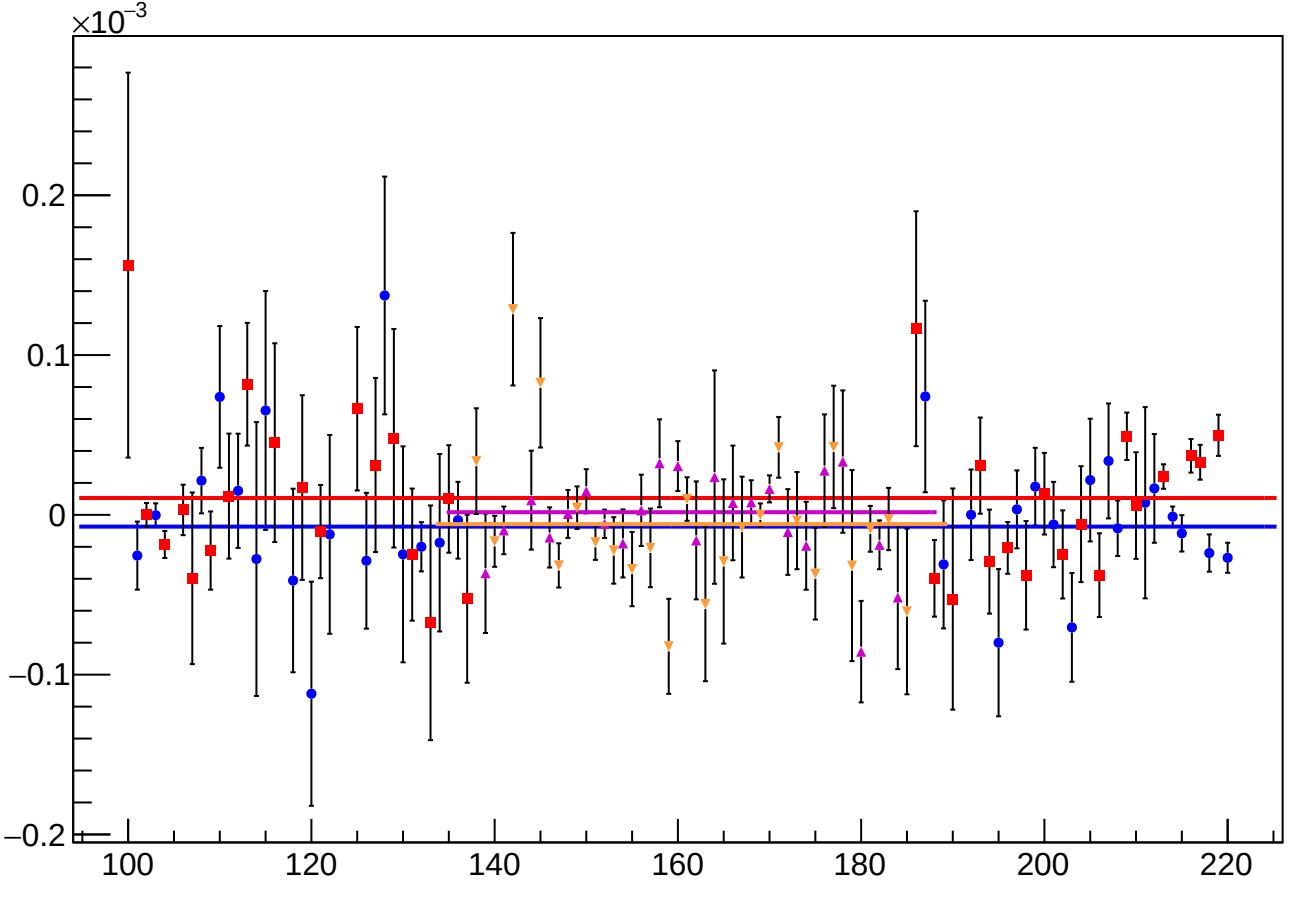
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 334.745+/-0.039 χ^2/NDF: 6209278.7/67

In: 411.832+/-0.051 χ^2/NDF:10140425.6/55

Out: 379.883+/-0.048 χ^2/NDF:14000643.9/58

All: 395.079+/-0.035 χ^2/NDF: 24348051.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 77.4/34

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

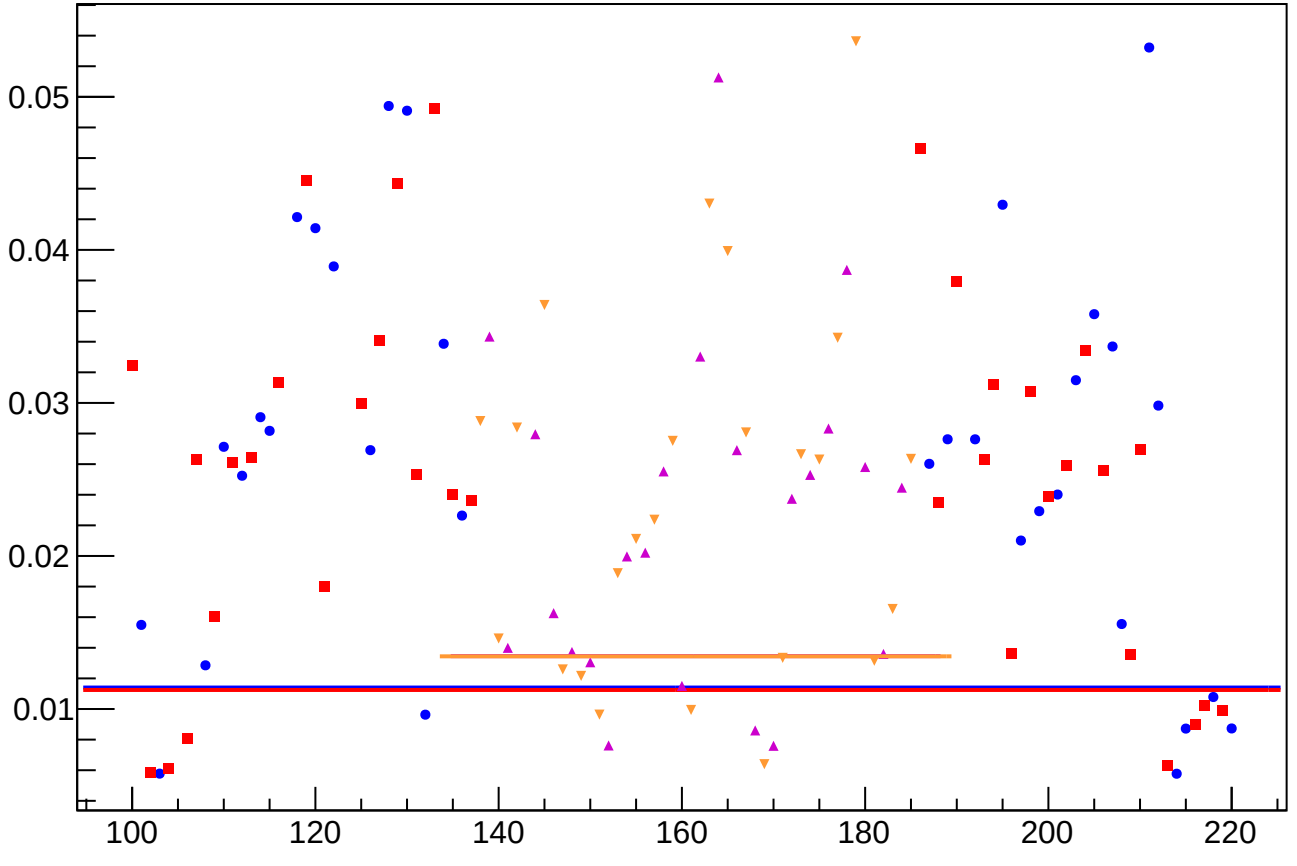
Right: 0.000+/-0.000 χ^2/NDF: 128.7/67

In: -0.000+/-0.000 χ^2/NDF:64.1/55

Out: 0.000+/-0.000 χ^2/NDF:131.4/58

All: 0.000+/-0.000 χ^2/NDF: 200.2/114

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 14551885.7/32

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.011+/-0.000 χ^2/NDF: 13129533.2/34

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

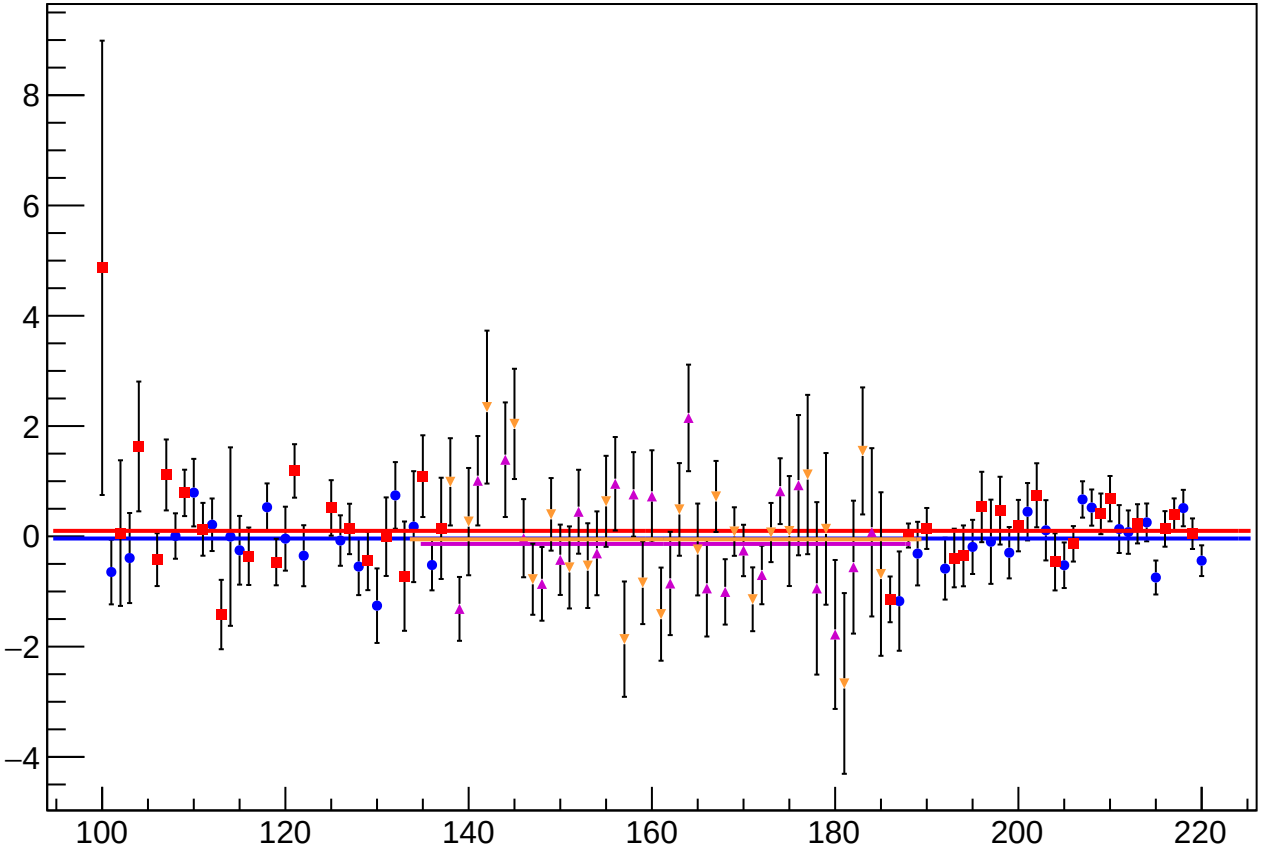
Right: 0.011+/-0.000 χ^2/NDF: 27683932.4/67

In: 0.012+/-0.000 χ^2/NDF:22449505.3/55

Out: 0.012+/-0.000 χ^2/NDF:22400042.6/58

All: 0.012+/-0.000 χ^2/NDF: 44852383.2/114

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.081 χ^2/NDF: 36.7/32

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

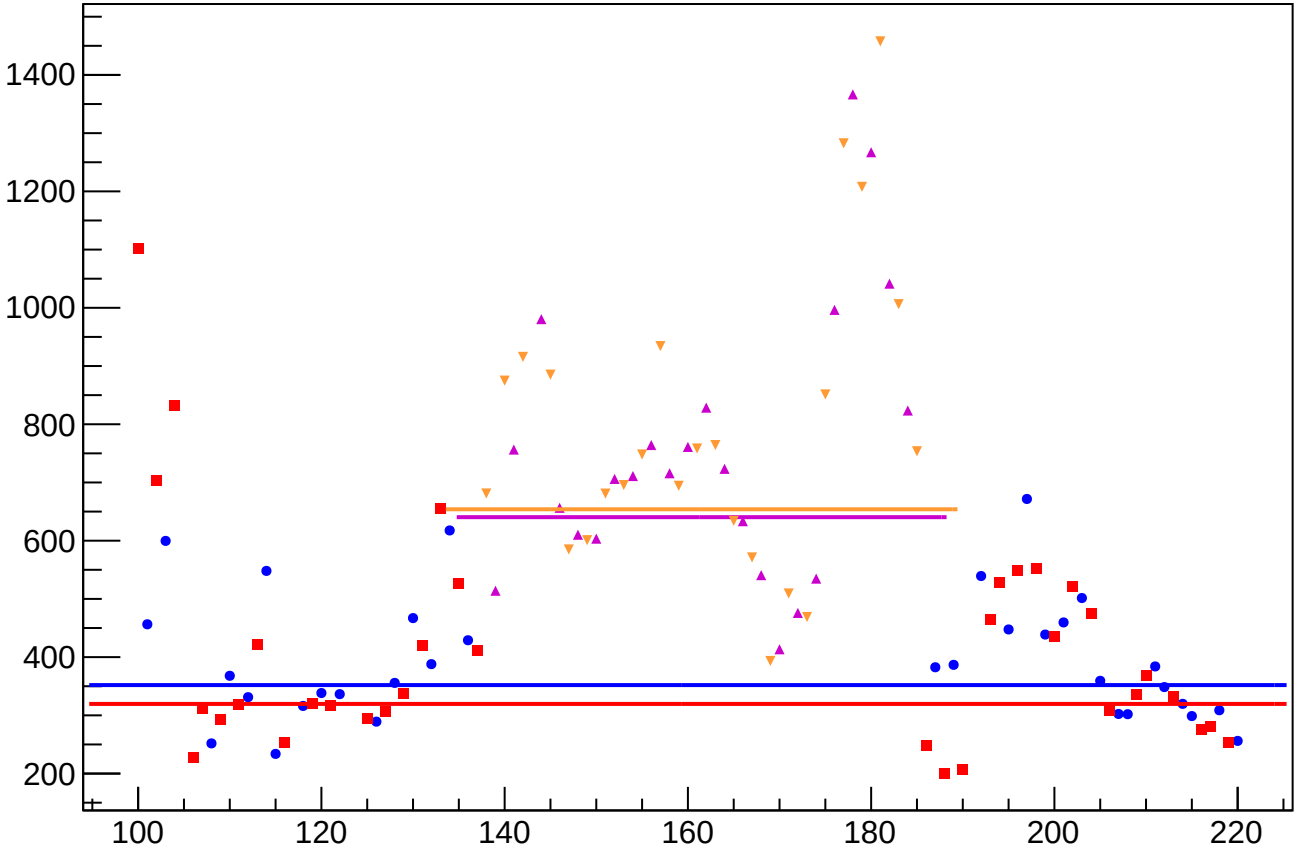
Right: 0.034+/-0.055 χ^2/NDF: 83.7/67

In: -0.060+/-0.072 χ^2/NDF:67.0/55

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.009+/-0.050 χ^2/NDF: 145.1/114

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 351.981+/-0.057 χ^2/NDF: 2202276.3/32

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 319.627+/-0.053 χ^2/NDF: 3836261.5/34

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

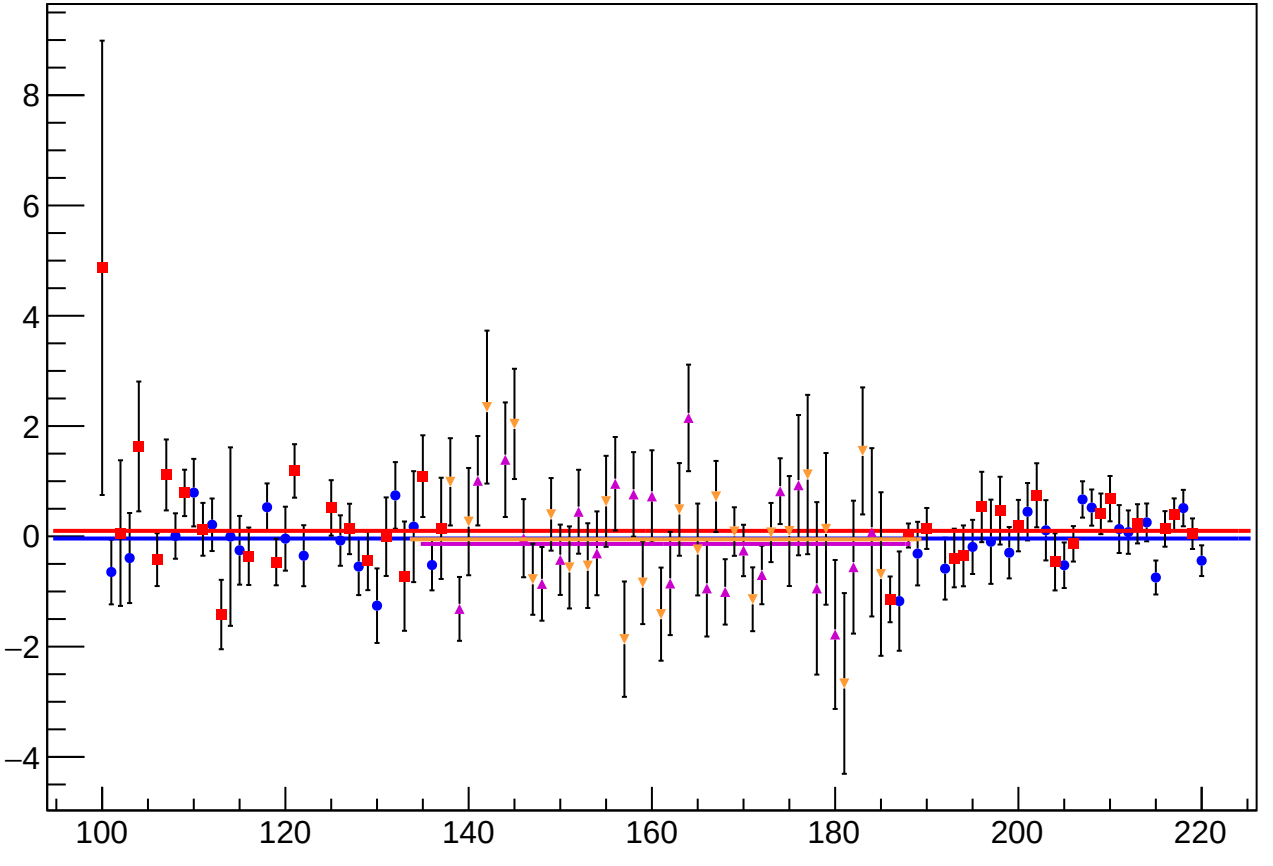
Right: 334.743+/-0.039 χ^2/NDF: 6209469.0/67

In: 411.832+/-0.051 χ^2/NDF:10140615.8/55

Out: 379.879+/-0.048 χ^2/NDF:14001165.6/58

All: 395.077+/-0.035 χ^2/NDF: 24348815.9/1

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.081 χ^2/NDF: 36.7/32

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

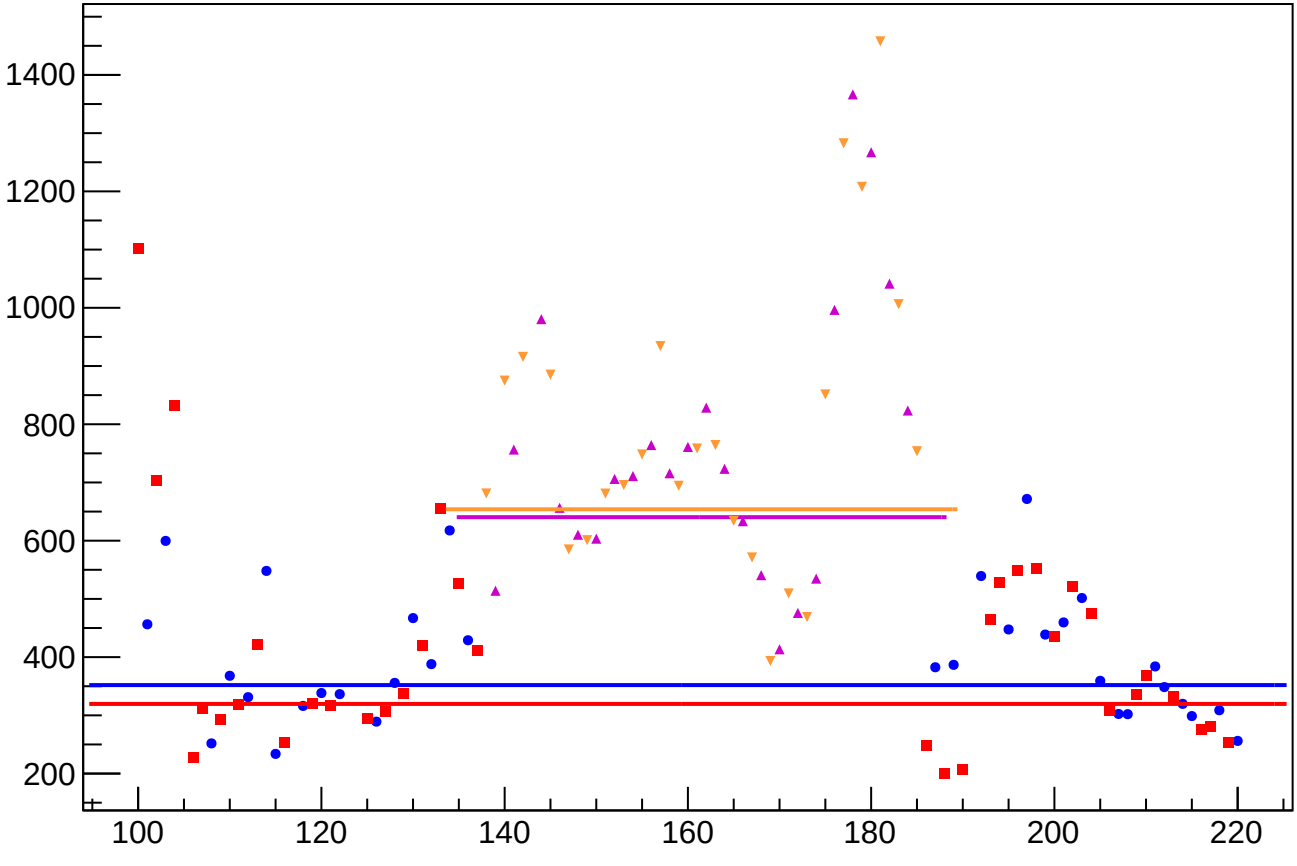
Right: 0.034+/-0.055 χ^2/NDF: 83.7/67

In: -0.060+/-0.072 χ^2/NDF:67.0/55

Out: 0.072+/-0.068 χ^2/NDF:76.3/58

All: 0.009+/-0.050 χ^2/NDF: 145.1/114

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 351.981+/-0.057 χ^2/NDF: 2202276.3/32

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 319.627+/-0.053 χ^2/NDF: 3836261.5/34

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

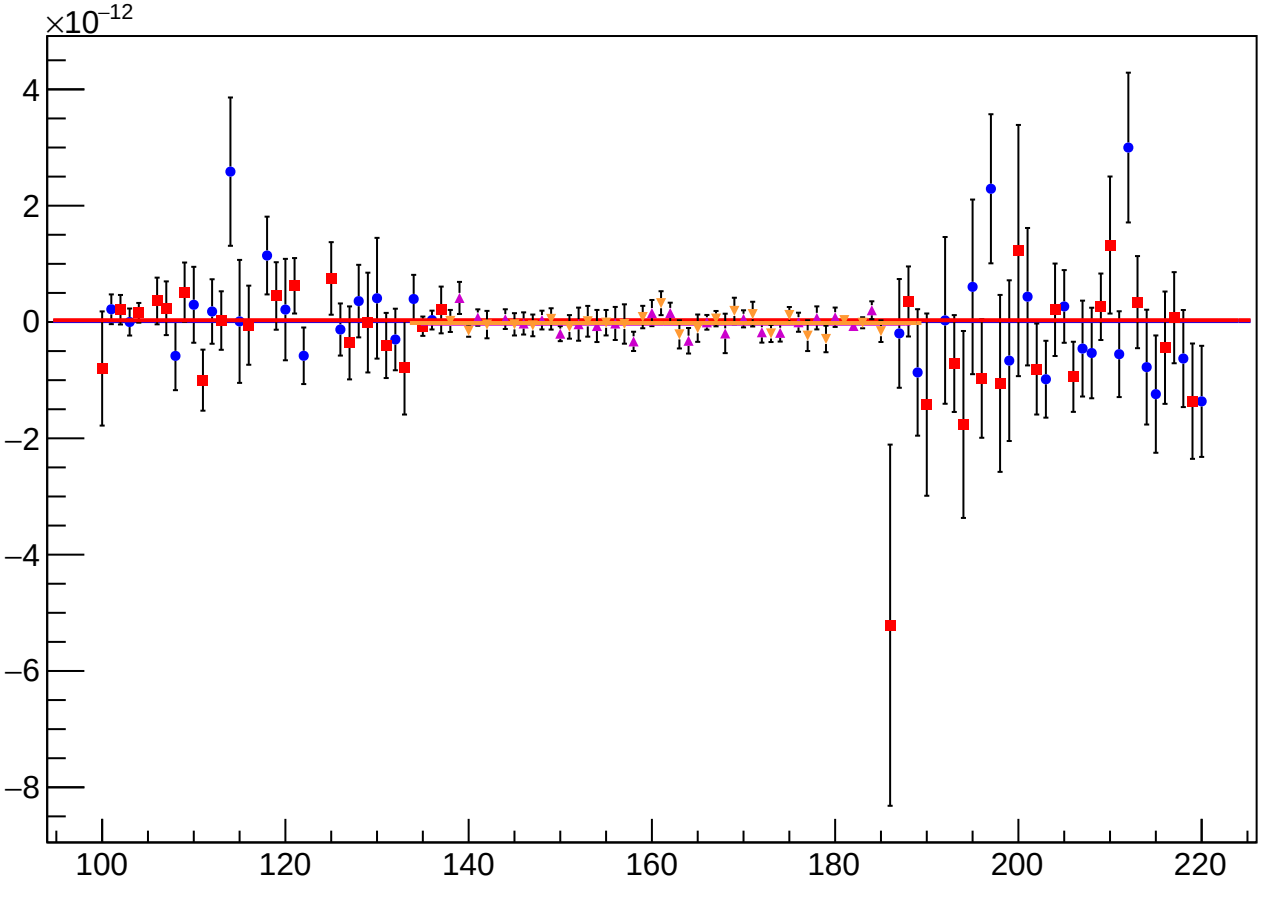
Right: 334.743+/-0.039 χ^2/NDF: 6209469.0/67

In: 411.832+/-0.051 χ^2/NDF:10140615.8/55

Out: 379.879+/-0.048 χ^2/NDF:14001165.6/58

All: 395.077+/-0.035 χ^2/NDF: 24348815.9/11

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/34

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

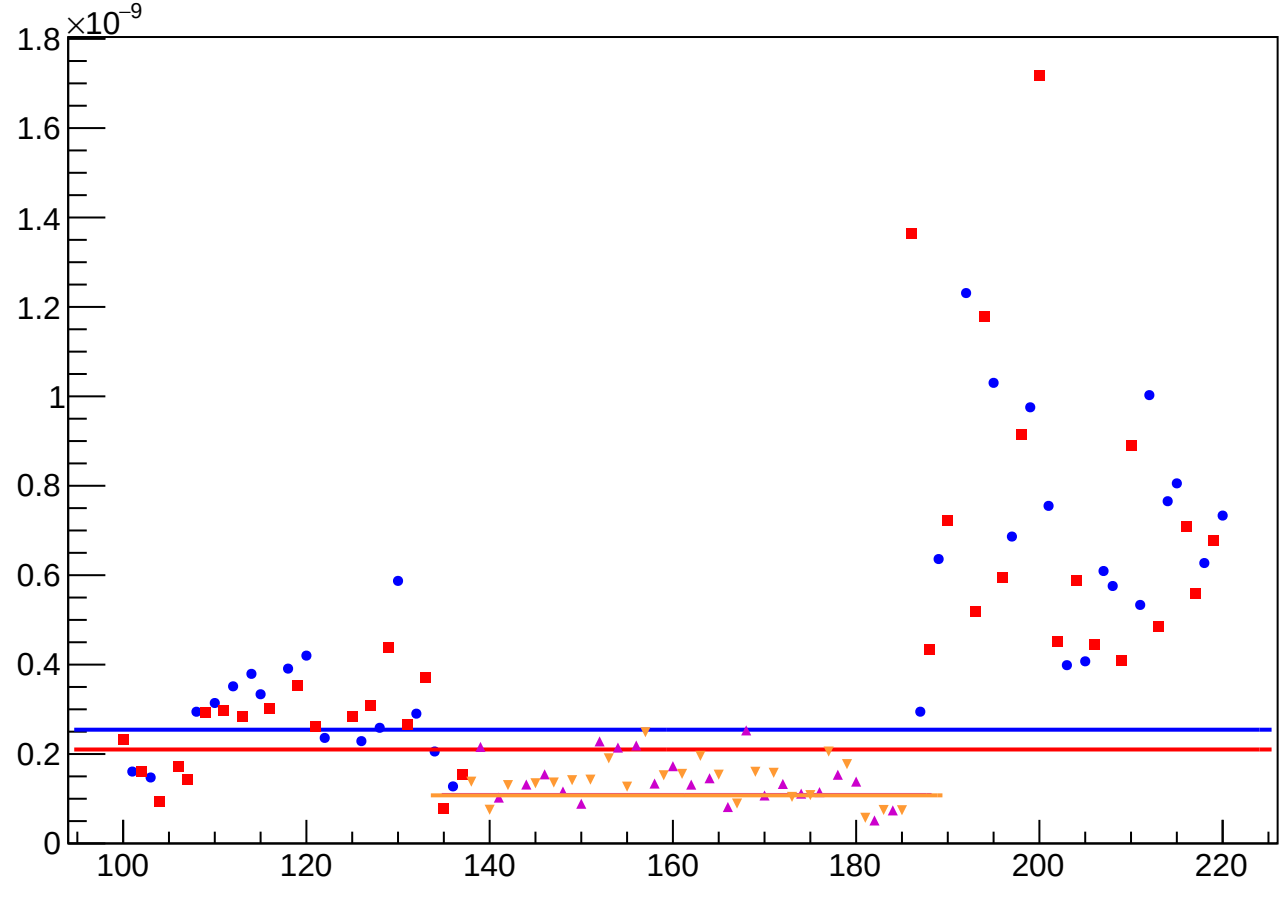
Right: 0.000+/-0.000 χ^2/NDF: 59.4/67

In: -0.000+/-0.000 χ^2/NDF:48.7/55

Out: -0.000+/-0.000 χ^2/NDF:42.2/58

All: -0.000+/-0.000 χ^2/NDF: 91.0/114

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: 9211198.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9947758.0/34

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

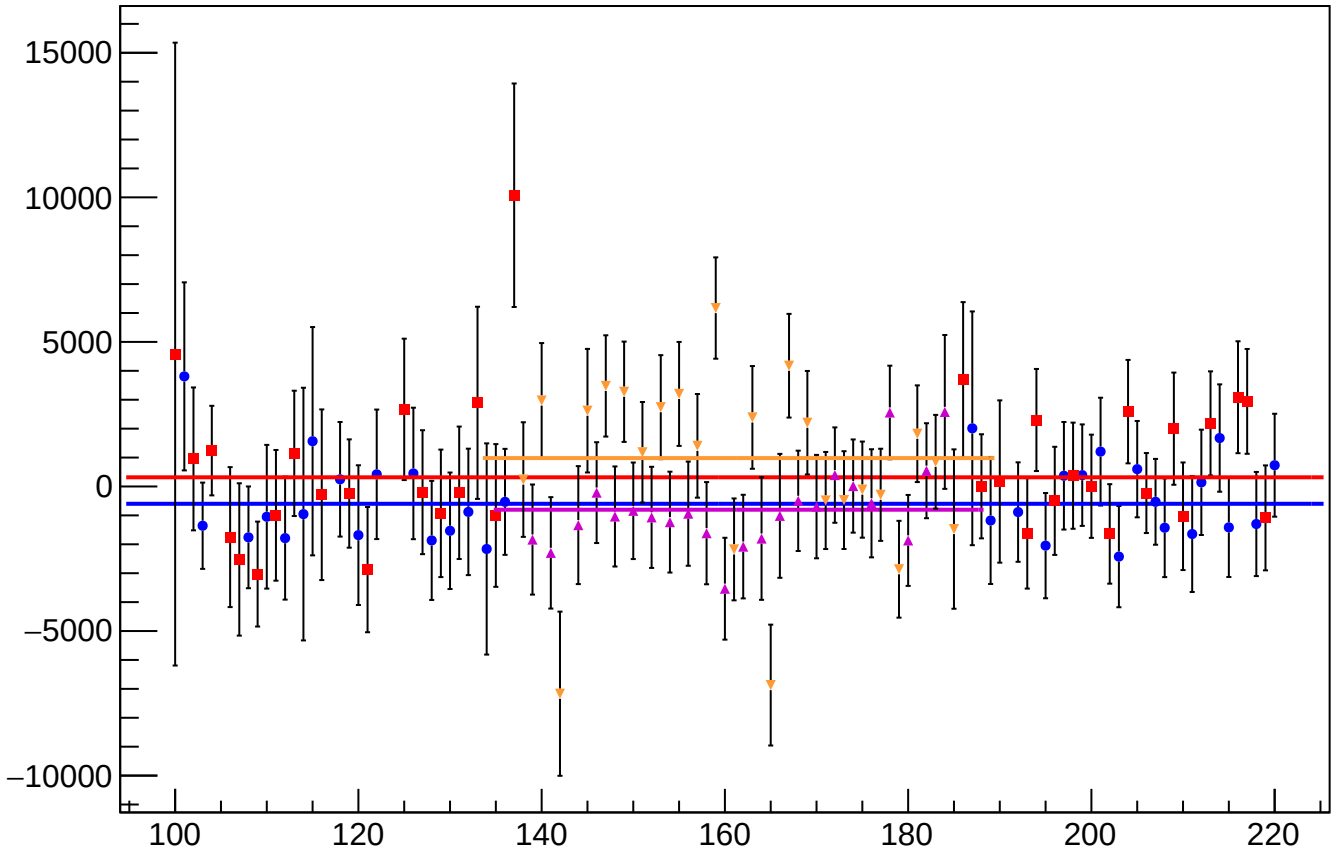
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 19435927.0/67

In: 0.000+/-0.000 χ^2/NDF:17842483.1/55

Out: 0.000+/-0.000 χ^2/NDF:16243730.0/58

All: 0.000+/-0.000 χ^2/NDF: 34099872.7/114



Right In: -598.853+/-346.179 χ^2/NDF: 12.2/32

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 317.276+/-346.939 χ^2/NDF: 31.5/34

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

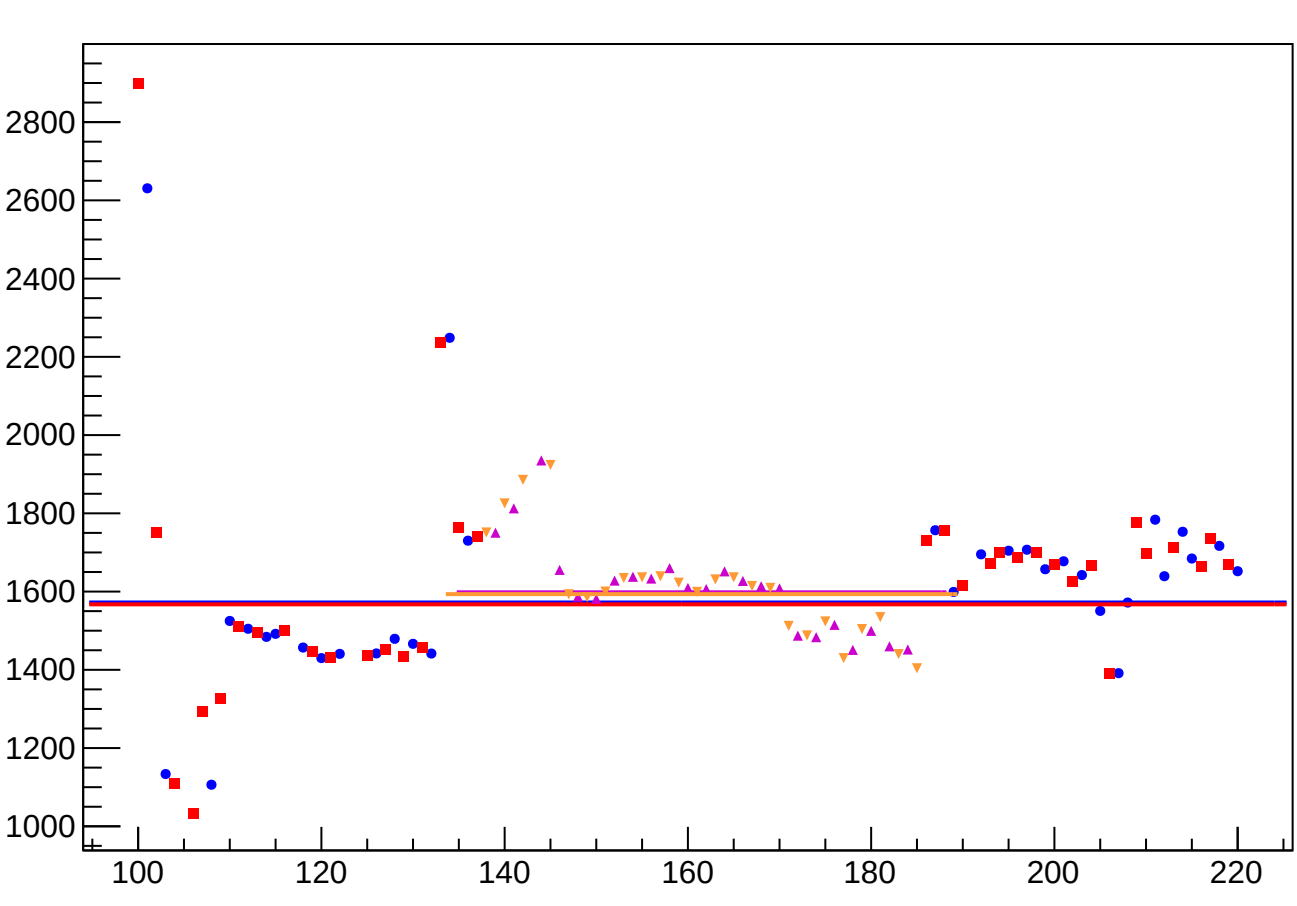
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -141.793+/-245.054 χ^2/NDF: 47.2/67

In: -693.453+/-254.073 χ^2/NDF:24.8/55

Out: 627.351+/-253.352 χ^2/NDF:88.8/58

All: -31.176+/-179.401 χ^2/NDF: 127.1/114



Right In: 1572.063+/-0.245 χ^2/NDF: 805972.7/32

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1567.373+/-0.245 χ^2/NDF: 729359.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

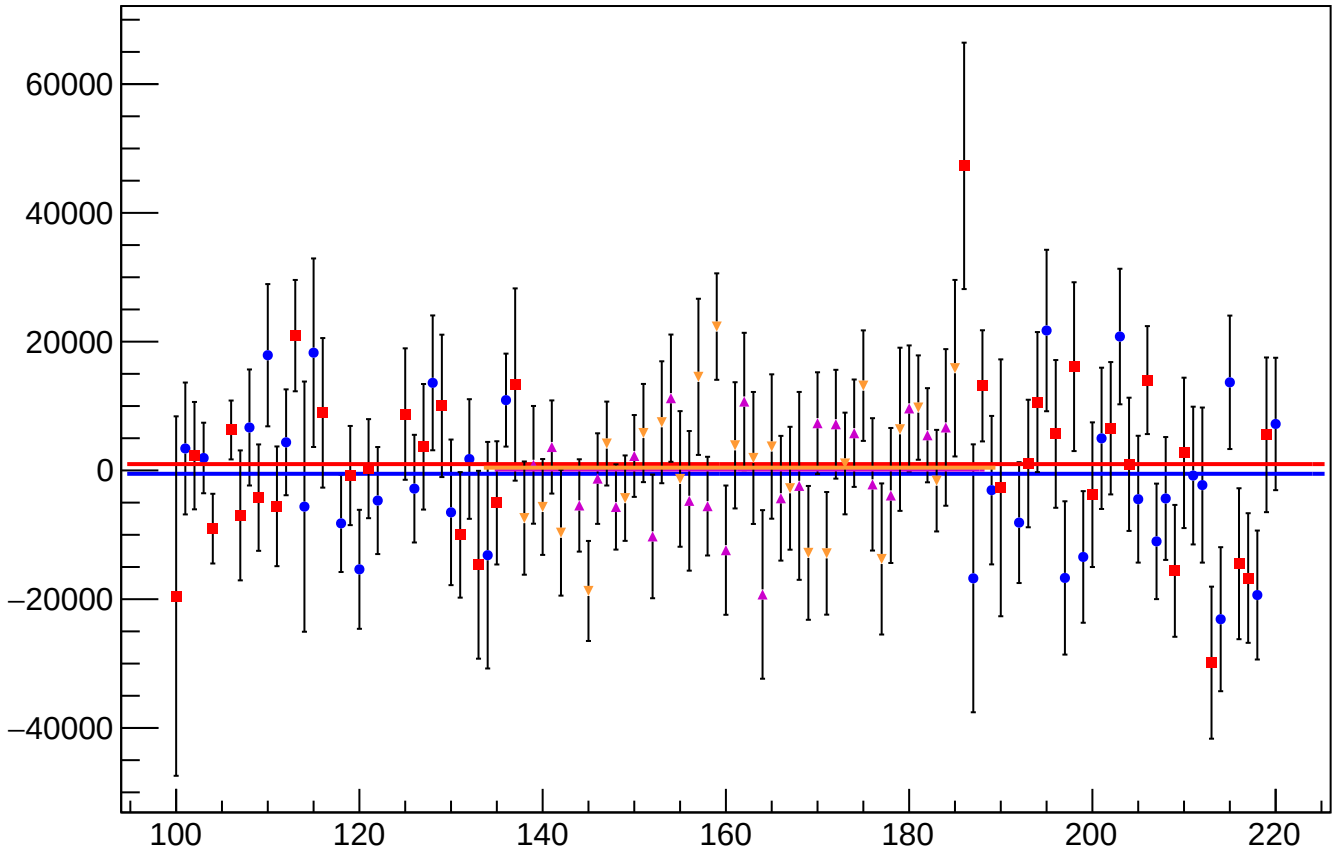
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1569.716+/-0.173 χ^2/NDF: 1535516.1/67

In: 1584.083+/-0.180 χ^2/NDF:980357.6/55

Out: 1579.520+/-0.179 χ^2/NDF:922274.7/58

All: 1581.792+/-0.127 χ^2/NDF: 1902956.3/11



Right In: -524.275+/-1709.994 χ^2/NDF: 39.0/32

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 981.711+/-1607.609 χ^2/NDF: 45.0/34

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

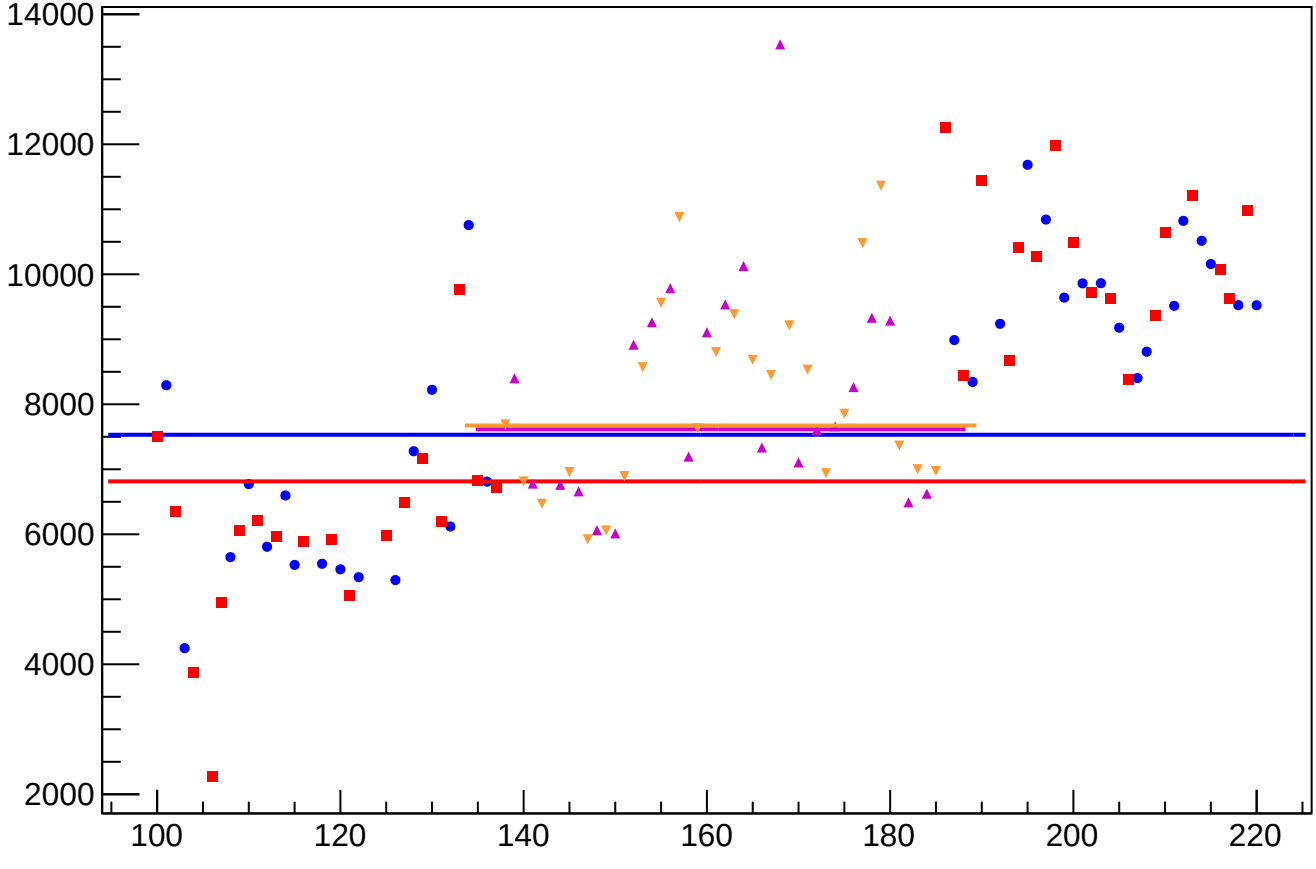
Right: 275.150+/-1171.275 χ^2/NDF: 84.4/67

In: -218.287+/-1244.561 χ^2/NDF:52.9/55

Out: 738.447+/-1204.843 χ^2/NDF:74.5/58

All: 275.590+/-865.654 χ^2/NDF: 127.7/114

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 7531.136+/-1.209 χ^2/NDF: 3105599.4/32

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6813.983+/-1.137 χ^2/NDF: 5818082.2/34

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

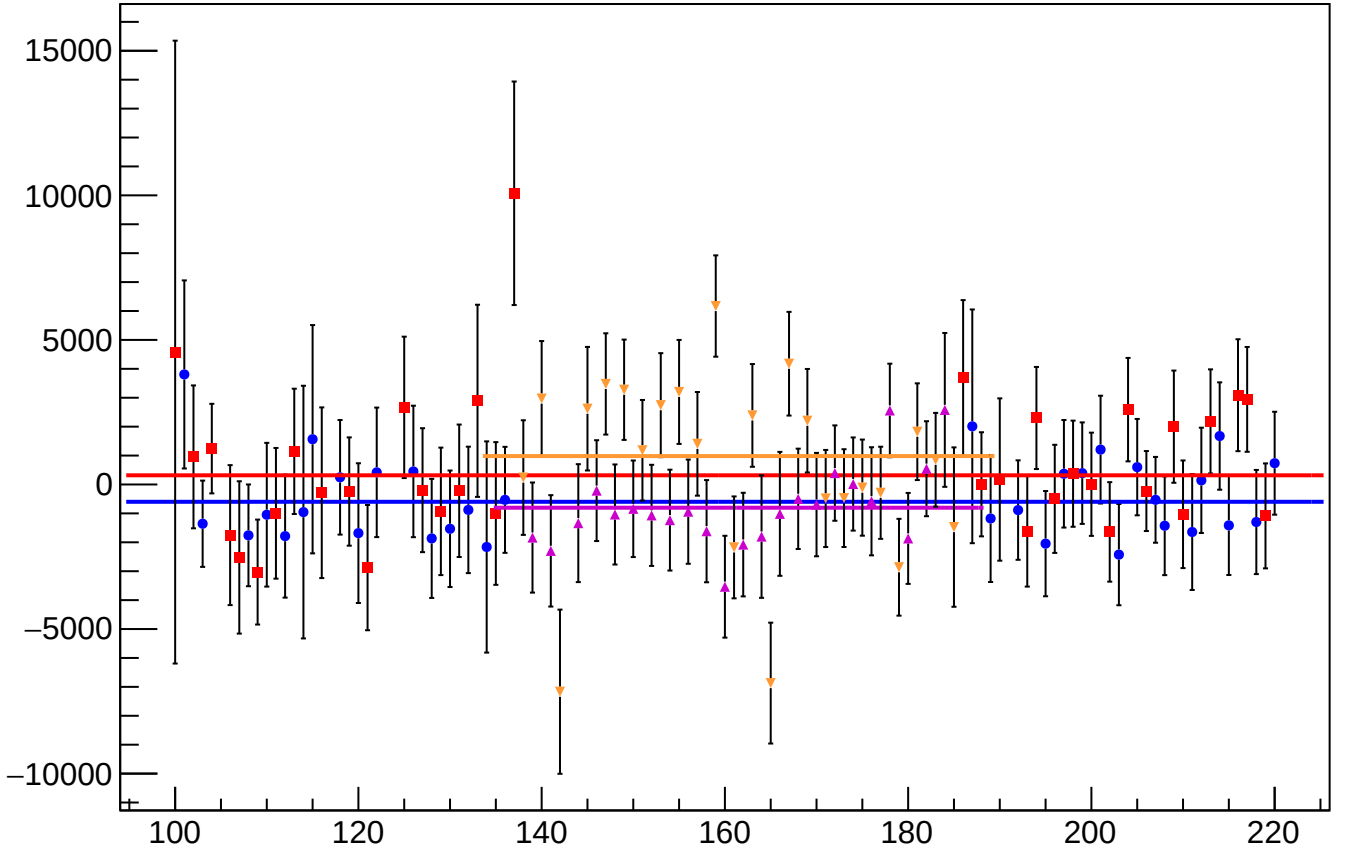
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 7150.448+/-0.828 χ^2/NDF: 9110415.1/67

In: 7570.564+/-0.880 χ^2/NDF:4332380.5/55

Out: 7190.959+/-0.852 χ^2/NDF:7145707.5/58

All: 7374.608+/-0.612 χ^2/NDF: 11574136.0/1



Right In: -598.882+/-346.179 χ^2/NDF: 12.2/32

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 317.295+/-346.939 χ^2/NDF: 31.5/34

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

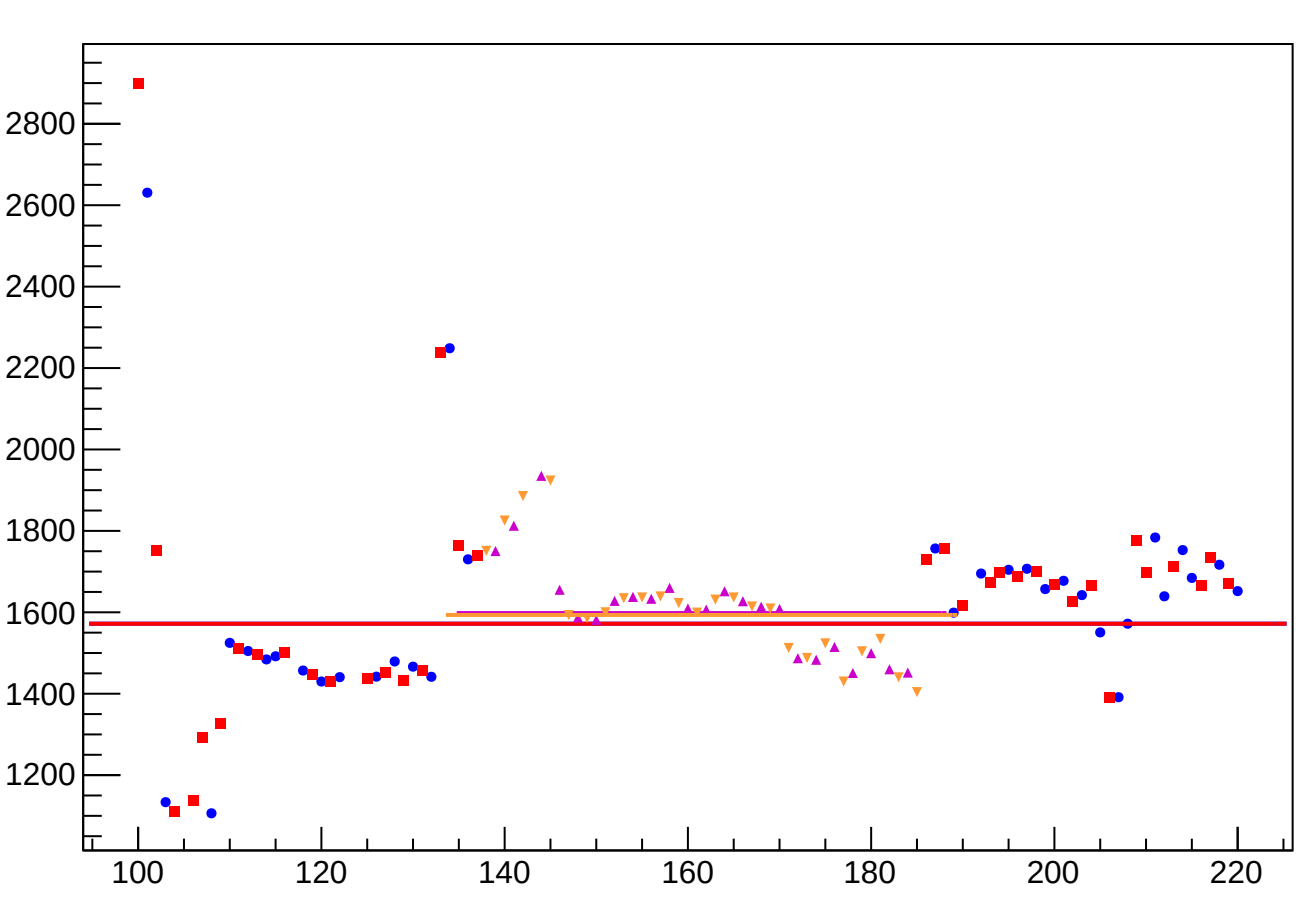
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -141.797+/-245.054 χ^2/NDF: 47.2/67

In: -693.411+/-254.073 χ^2/NDF:24.8/55

Out: 627.401+/-253.352 χ^2/NDF:88.8/58

All: -31.129+/-179.401 χ^2/NDF: 127.1/114



Right In: 1572.063+/-0.245 χ^2/NDF: 805973.2/32

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

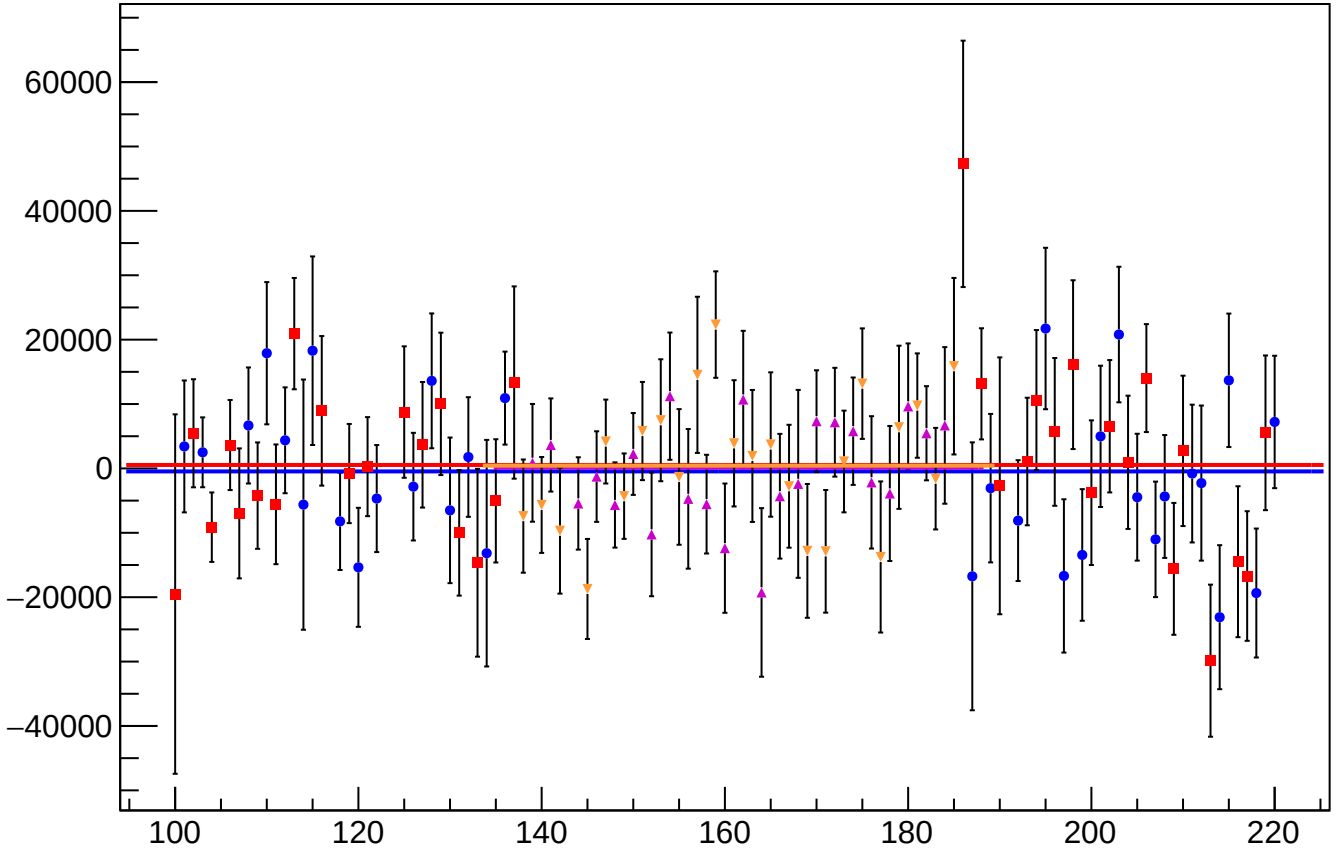
Right: 1571.980+/-0.173 χ^2/NDF: 1478209.1/67

In: 1584.083+/-0.180 χ^2/NDF:980358.0/55

Out: 1581.961+/-0.179 χ^2/NDF:863465.8/58

All: 1583.019+/-0.127 χ^2/NDF: 1843893.8/11

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -462.851+/-1708.377 χ^2/NDF: 39.1/32

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

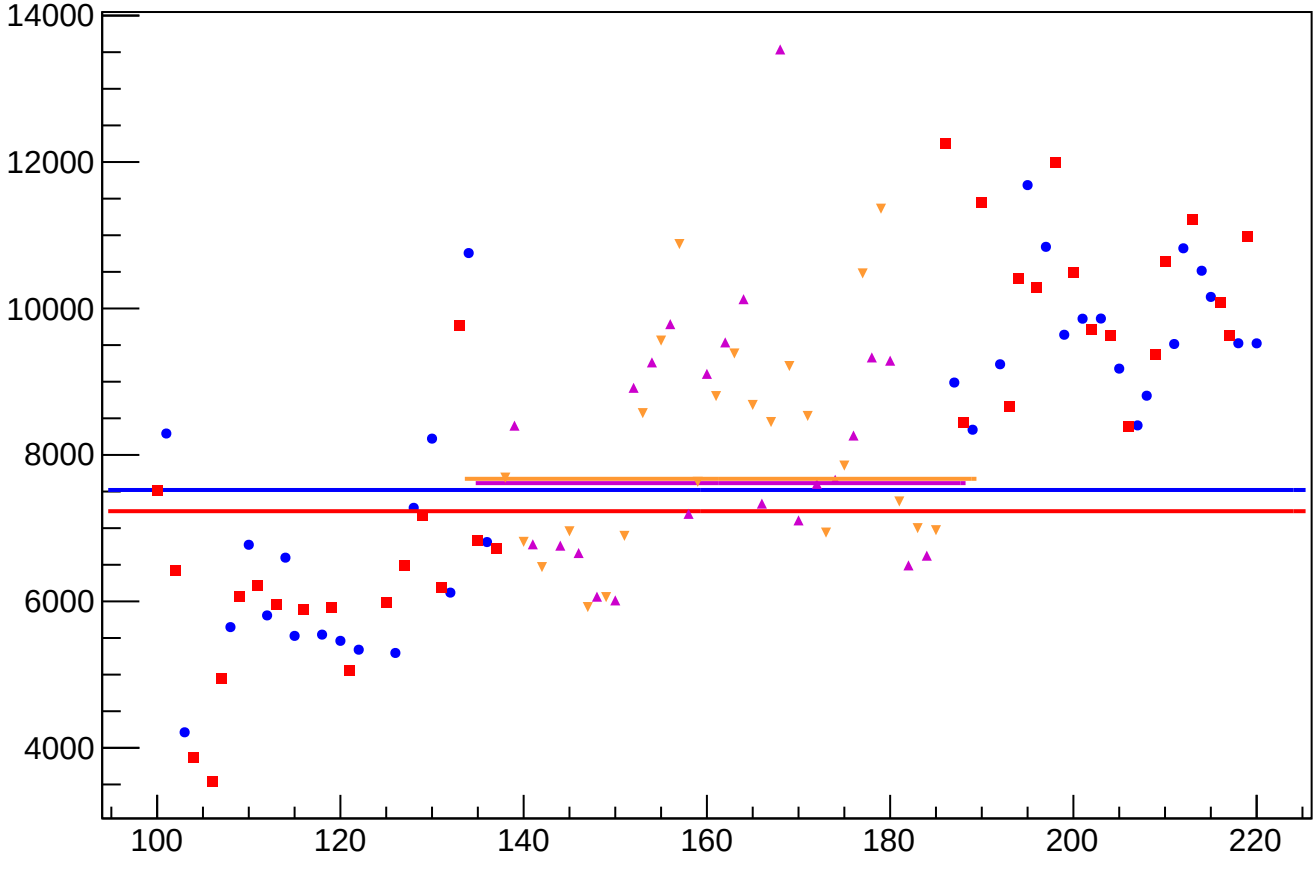
Right: 48.906+/-1193.335 χ^2/NDF: 83.4/67

In: -186.025+/-1243.936 χ^2/NDF:53.0/55

Out: 486.405+/-1229.496 χ^2/NDF:73.5/58

All: 154.116+/-874.446 χ^2/NDF: 126.7/114

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 7521.382+/-1.208 χ^2/NDF: 3135467.5/32

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

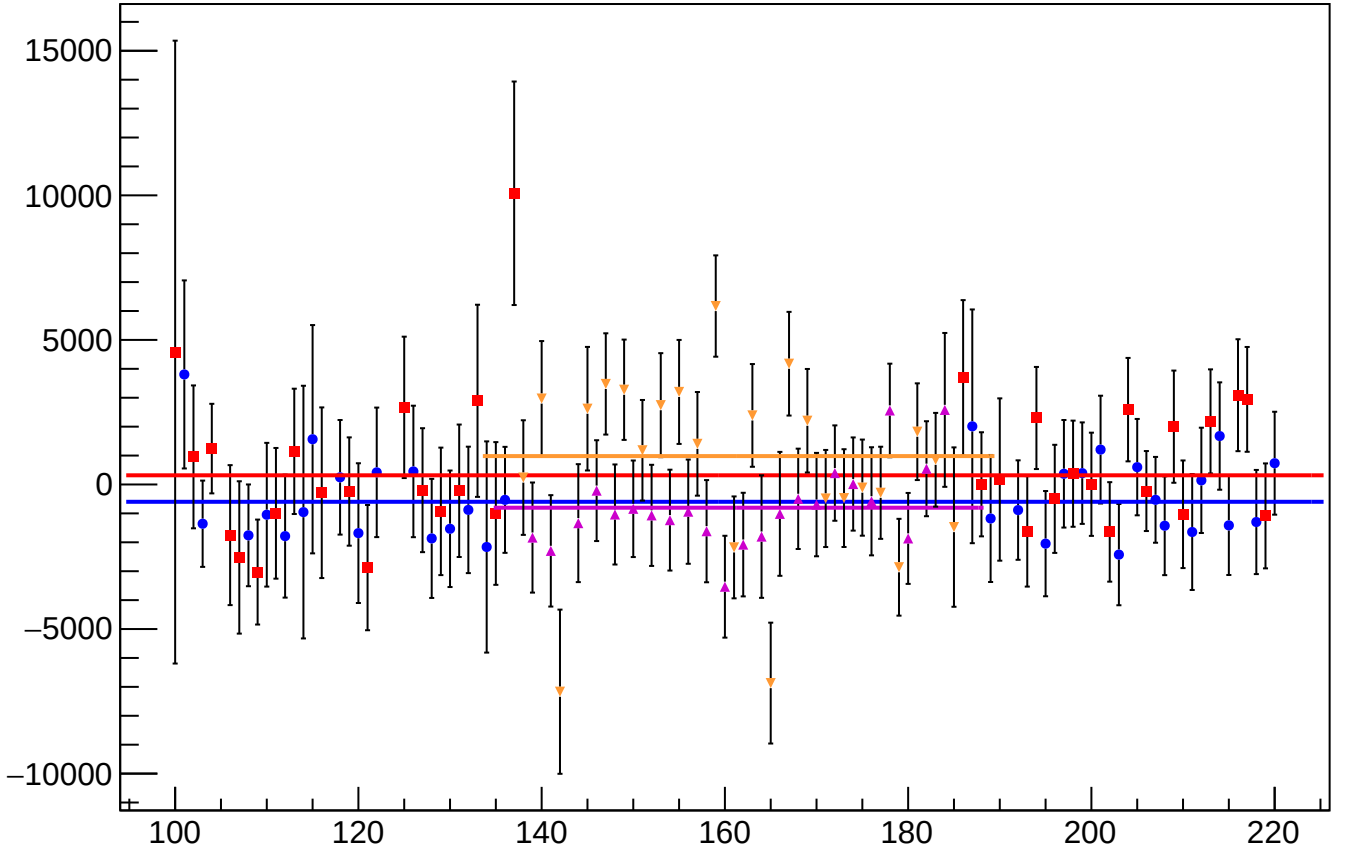
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 7373.095+/-0.844 χ^2/NDF: 7328688.7/67

In: 7565.348+/-0.880 χ^2/NDF:4362812.7/55

Out: 7433.660+/-0.869 χ^2/NDF:5304712.0/58

All: 7498.735+/-0.618 χ^2/NDF: 9678862.8/11



Right In: -598.882+/-346.179 χ^2/NDF: 12.2/32

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 317.295+/-346.939 χ^2/NDF: 31.5/34

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

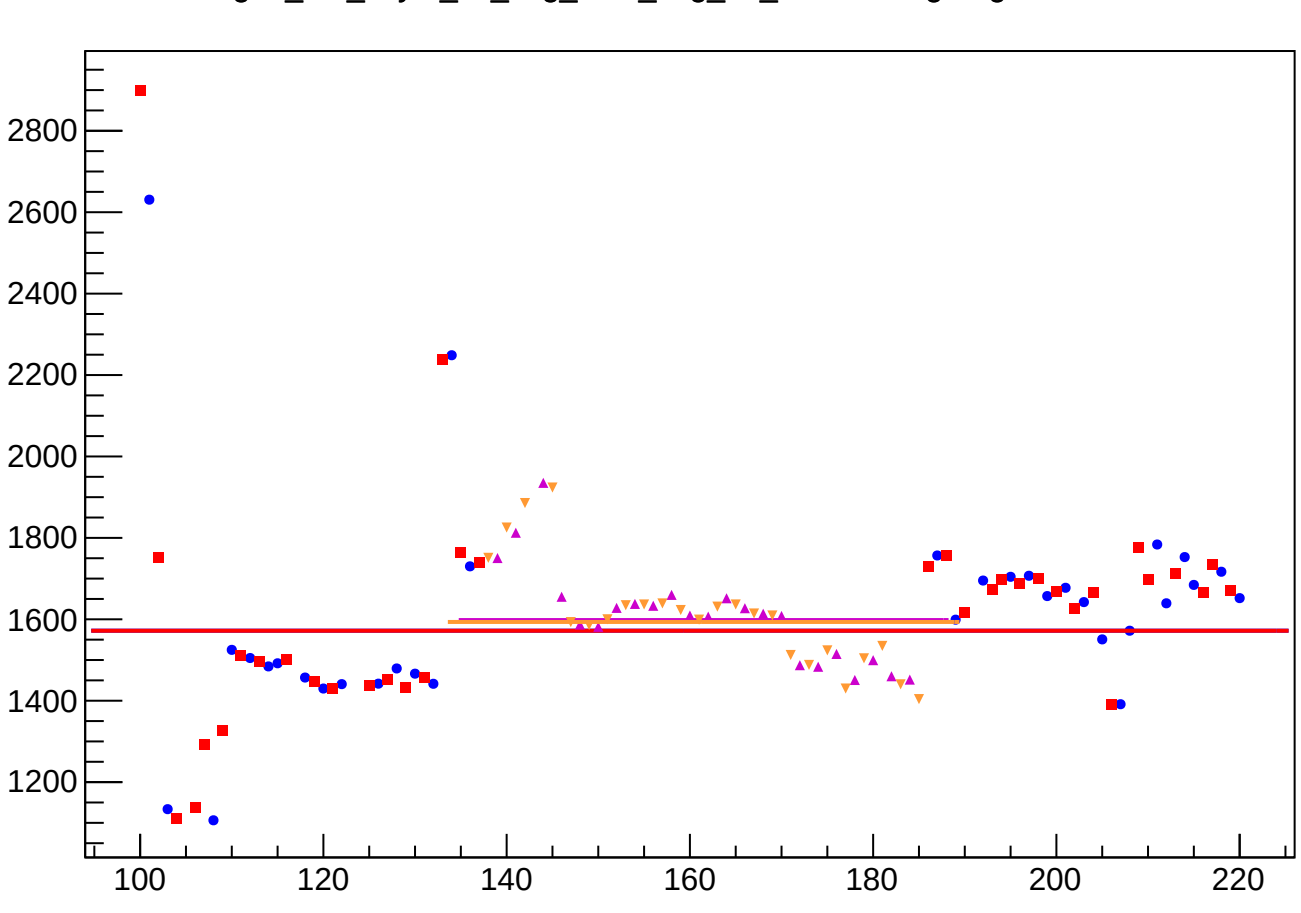
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -141.797+/-245.054 χ^2/NDF: 47.2/67

In: -693.411+/-254.073 χ^2/NDF:24.8/55

Out: 627.401+/-253.352 χ^2/NDF:88.8/58

All: -31.129+/-179.401 χ^2/NDF: 127.1/114



Right In: 1572.063+/-0.245 χ^2/NDF: 805973.2/32

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

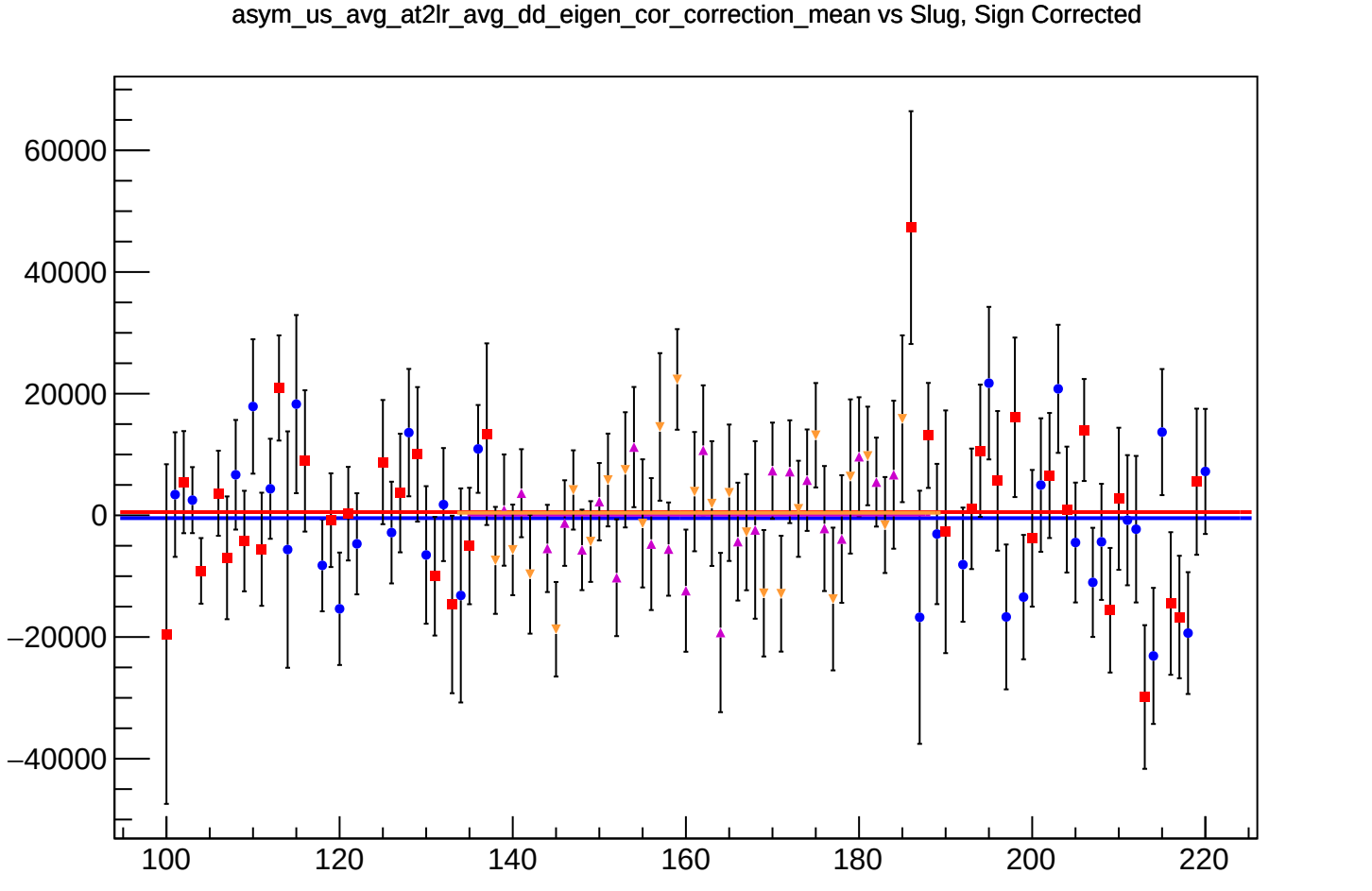
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1571.980+/-0.173 χ^2/NDF: 1478209.1/67

In: 1584.083+/-0.180 χ^2/NDF:980358.0/55

Out: 1581.961+/-0.179 χ^2/NDF:863465.8/58

All: 1583.019+/-0.127 χ^2/NDF: 1843893.8/11



Right In: -462.851+/-1708.377 χ^2/NDF: 39.1/32

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

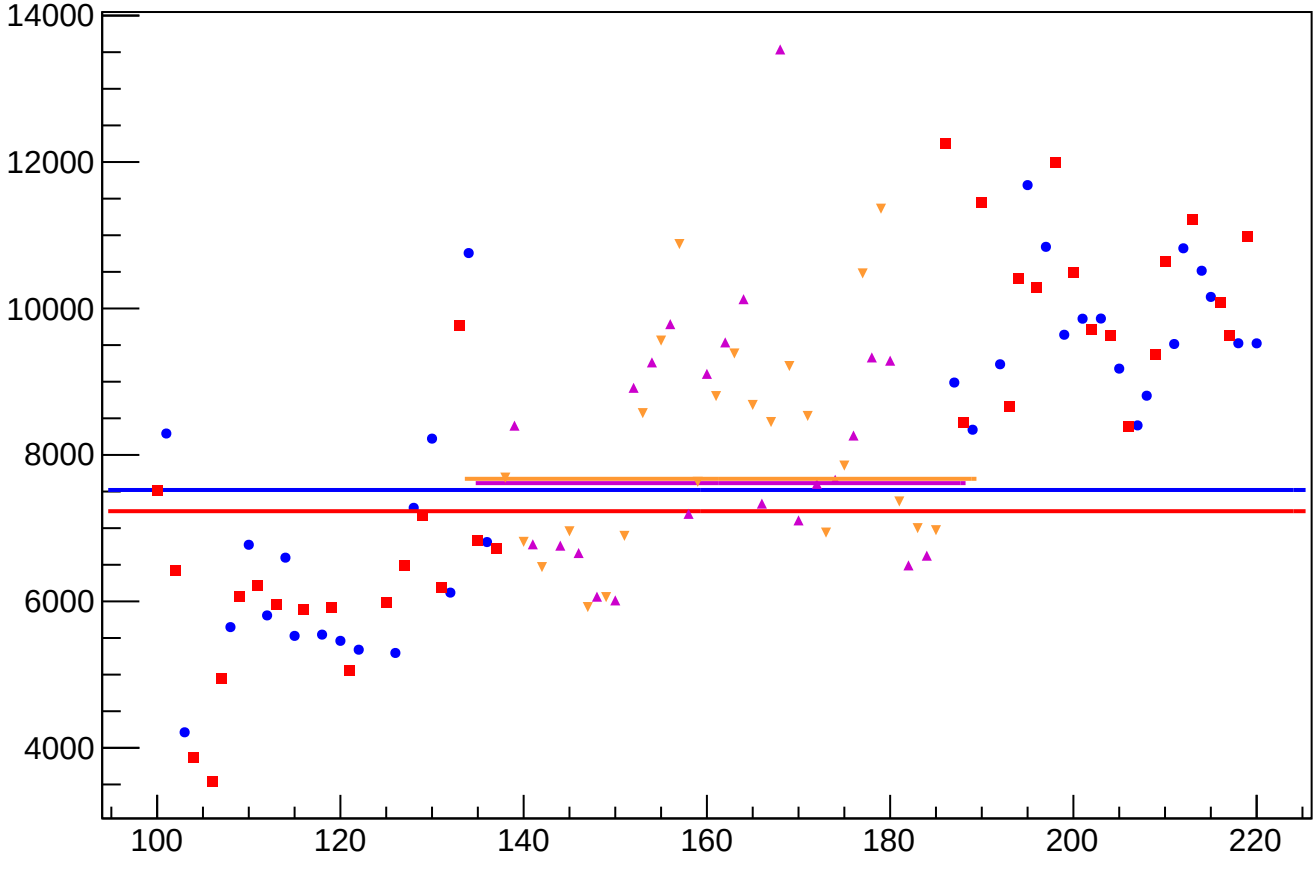
Right: 48.906+/-1193.335 χ^2/NDF: 83.4/67

In: -186.025+/-1243.936 χ^2/NDF:53.0/55

Out: 486.405+/-1229.496 χ^2/NDF:73.5/58

All: 154.116+/-874.446 χ^2/NDF: 126.7/114

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 7521.382+/-1.208 χ^2/NDF: 3135467.5/32

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

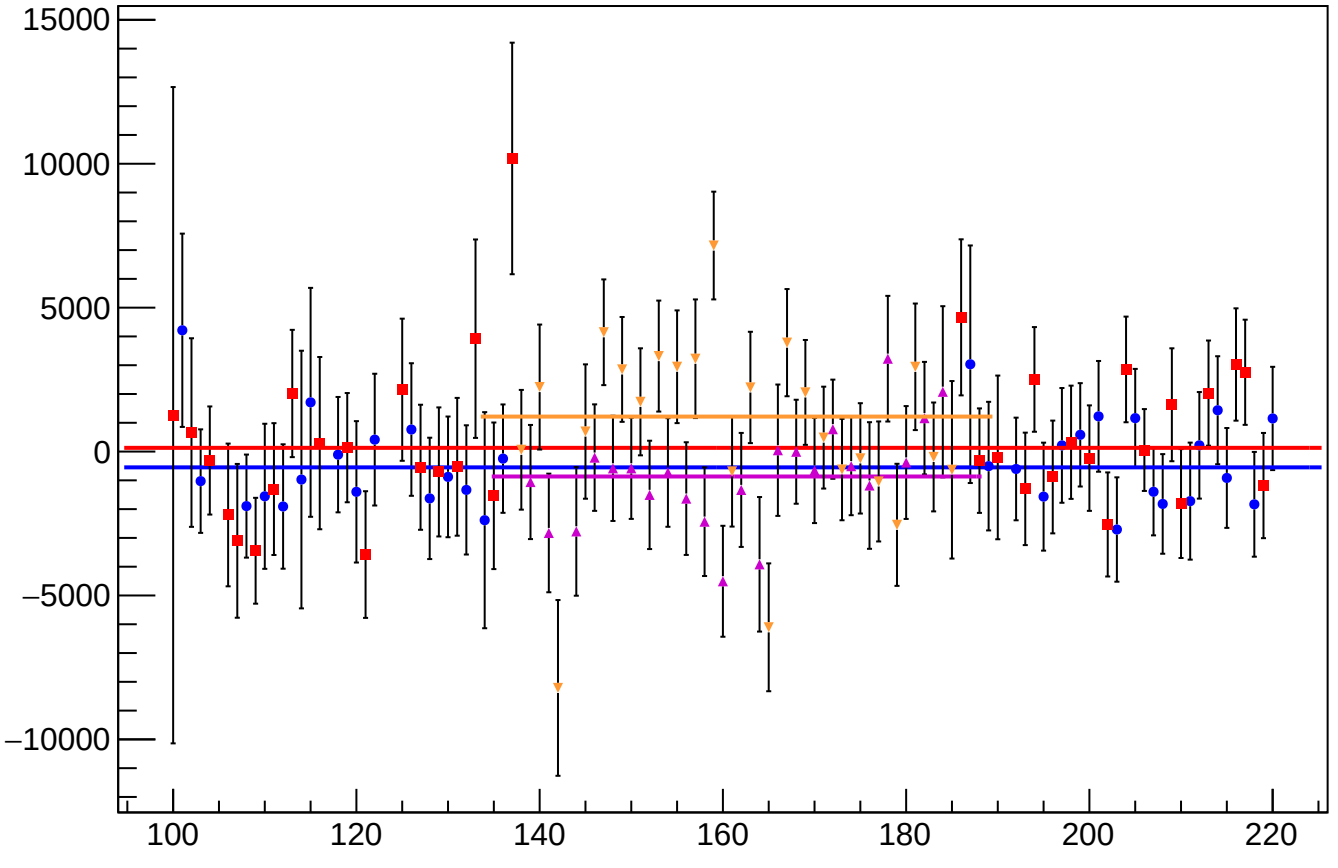
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 7373.095+/-0.844 χ^2/NDF: 7328688.7/67

In: 7565.348+/-0.880 χ^2/NDF:4362812.7/55

Out: 7433.660+/-0.869 χ^2/NDF:5304712.0/58

All: 7498.735+/-0.618 χ^2/NDF: 9678862.8/11



Right In: -548.909+/-356.660 χ^2/NDF: 13.7/32

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 129.301+/-358.850 χ^2/NDF: 36.3/34

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

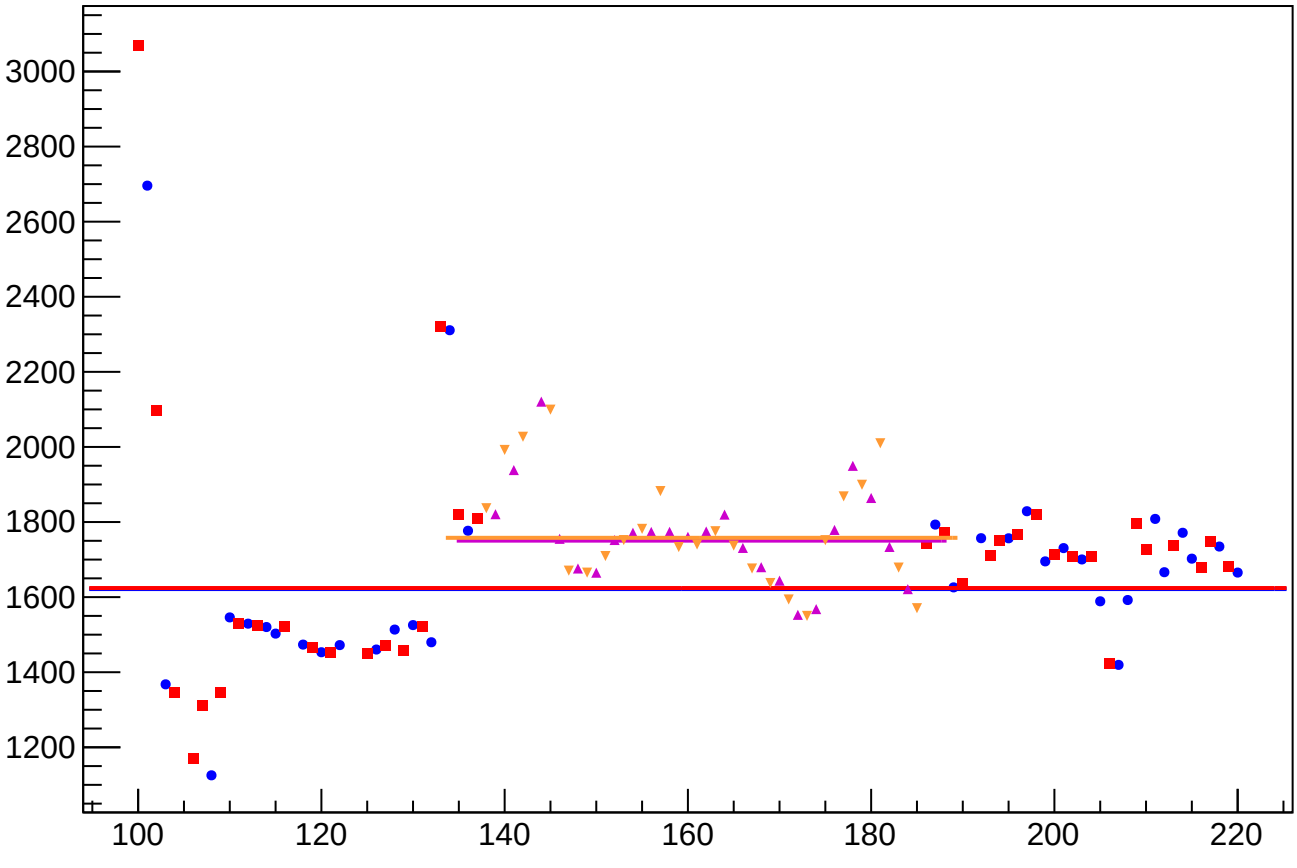
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -211.880+/-252.967 χ^2/NDF: 51.8/67

In: -685.494+/-269.104 χ^2/NDF:29.1/55

Out: 600.933+/-269.911 χ^2/NDF:88.8/58

All: -44.207+/-190.570 χ^2/NDF: 129.3/114



Right In: 1621.491+/-0.252 χ^2/NDF: 685071.9/32

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1624.242+/-0.254 χ^2/NDF: 583057.8/34

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

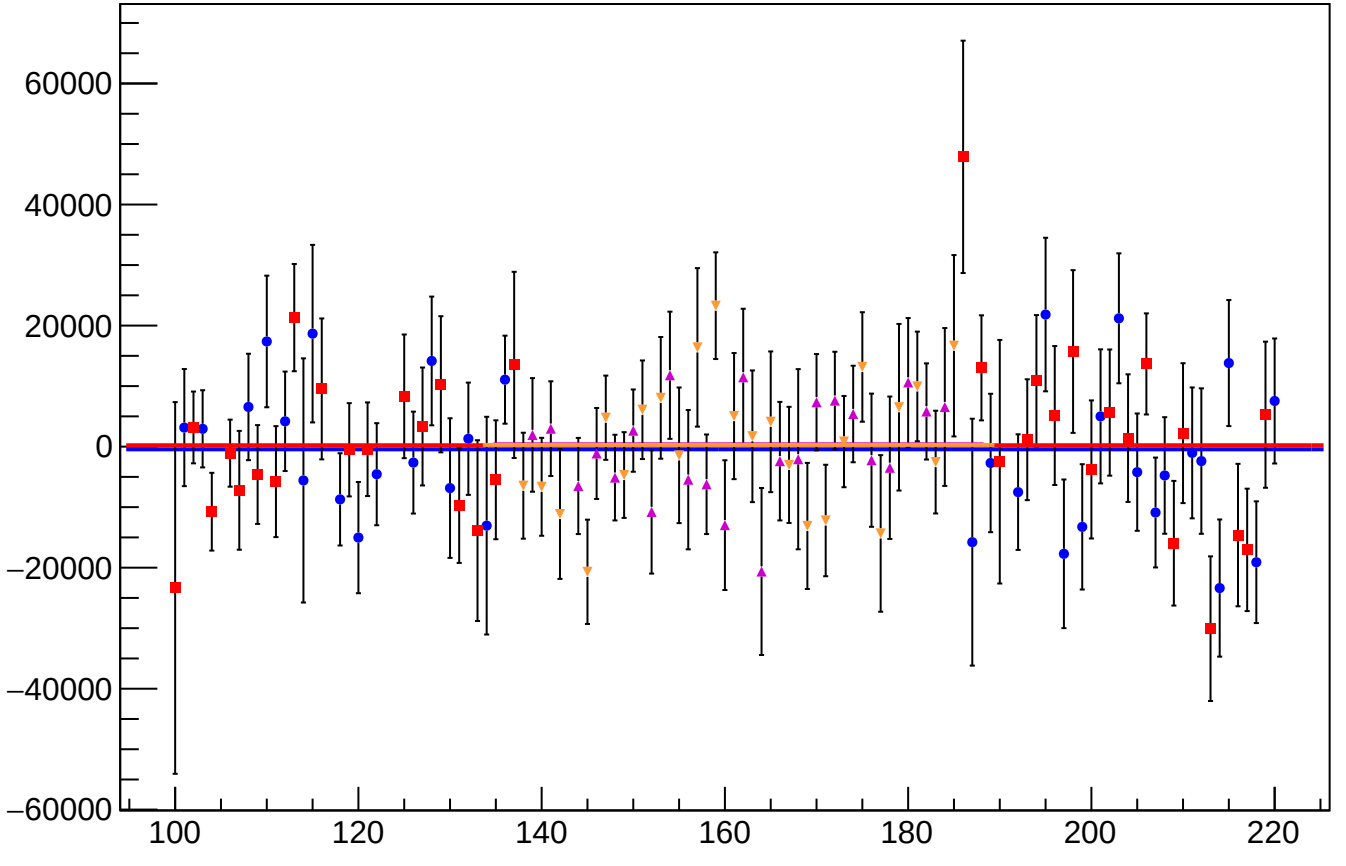
Right: 1622.858+/-0.179 χ^2/NDF: 1268188.8/67

In: 1677.047+/-0.190 χ^2/NDF:969628.6/55

Out: 1682.305+/-0.191 χ^2/NDF:916960.4/58

All: 1679.668+/-0.135 χ^2/NDF: 1886969.7/11

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -444.957+/-1737.821 χ^2/NDF: 38.8/32

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 230.151+/-1636.204 χ^2/NDF: 43.5/34

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

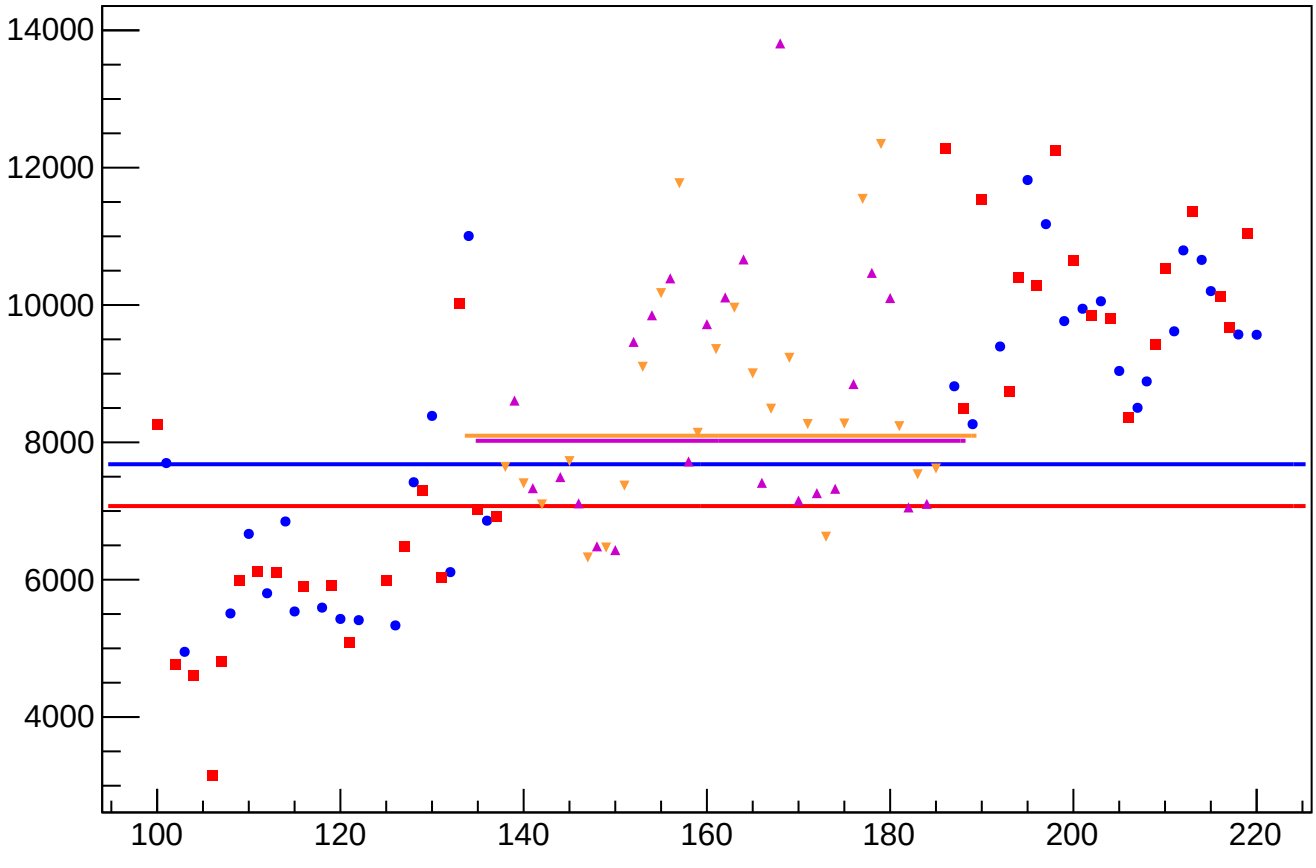
Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

Right: -87.089+/-1191.276 χ^2/NDF: 82.4/67

In: -70.637+/-1286.121 χ^2/NDF:52.5/55

Out: 253.193+/-1245.378 χ^2/NDF:72.2/58

All: 96.488+/-894.672 χ^2/NDF: 124.7/114



Right In: 7681.324+/-1.229 χ^2/NDF: 2779024.9/32

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 7072.185+/-1.157 χ^2/NDF: 4658527.2/34

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

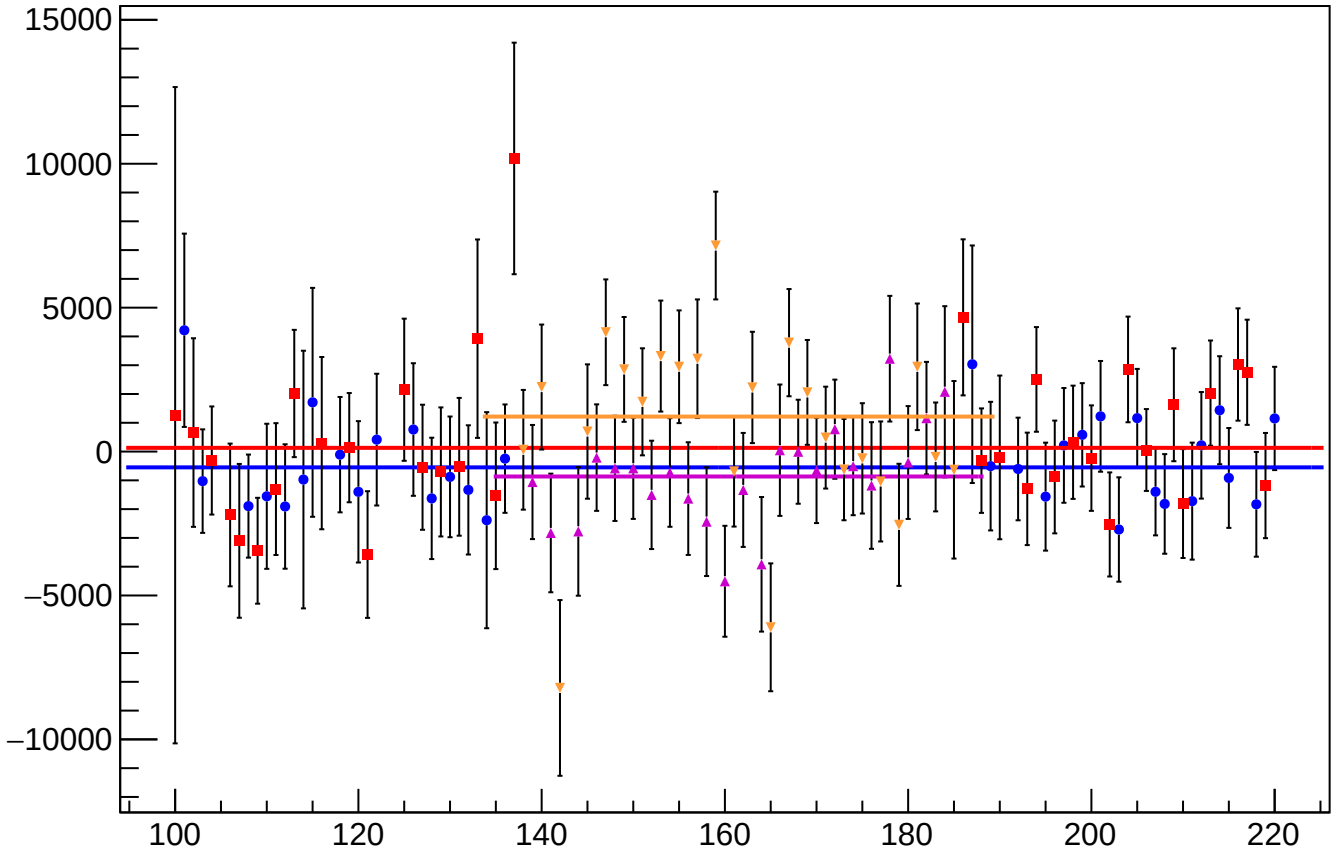
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 7358.425+/-0.842 χ^2/NDF: 7567809.7/67

In: 7835.735+/-0.909 χ^2/NDF:4039485.4/55

Out: 7503.216+/-0.881 χ^2/NDF:6076257.2/58

All: 7664.125+/-0.633 χ^2/NDF: 10184738.8/1



Right In: -548.904+/-356.660 χ^2/NDF: 13.7/32

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 129.302+/-358.850 χ^2/NDF: 36.3/34

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

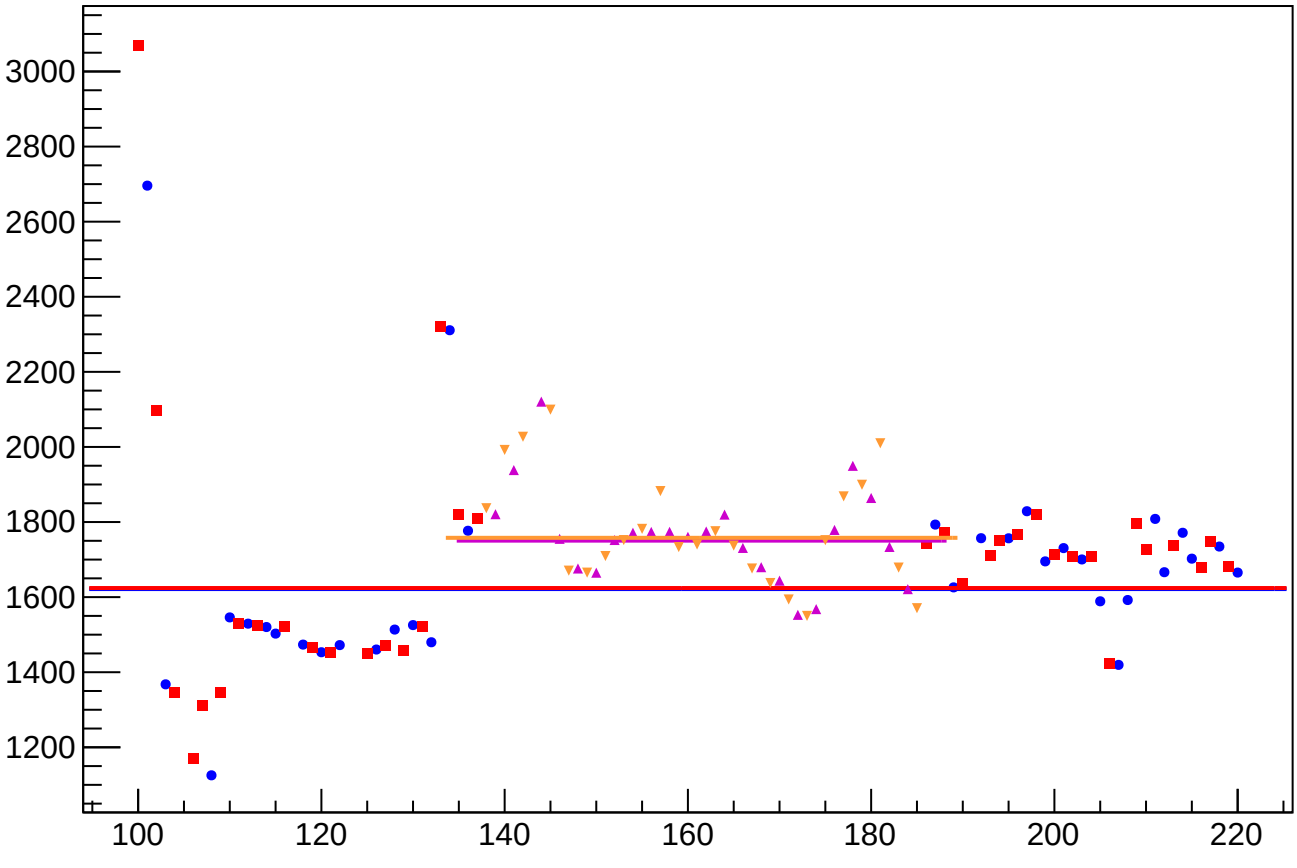
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -211.877+/-252.967 χ^2/NDF: 51.8/67

In: -685.491+/-269.104 χ^2/NDF:29.1/55

Out: 600.937+/-269.911 χ^2/NDF:88.8/58

All: -44.203+/-190.570 χ^2/NDF: 129.3/114



Right In: 1621.491+/-0.252 χ^2/NDF: 685071.9/32

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1624.242+/-0.254 χ^2/NDF: 583058.8/34

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

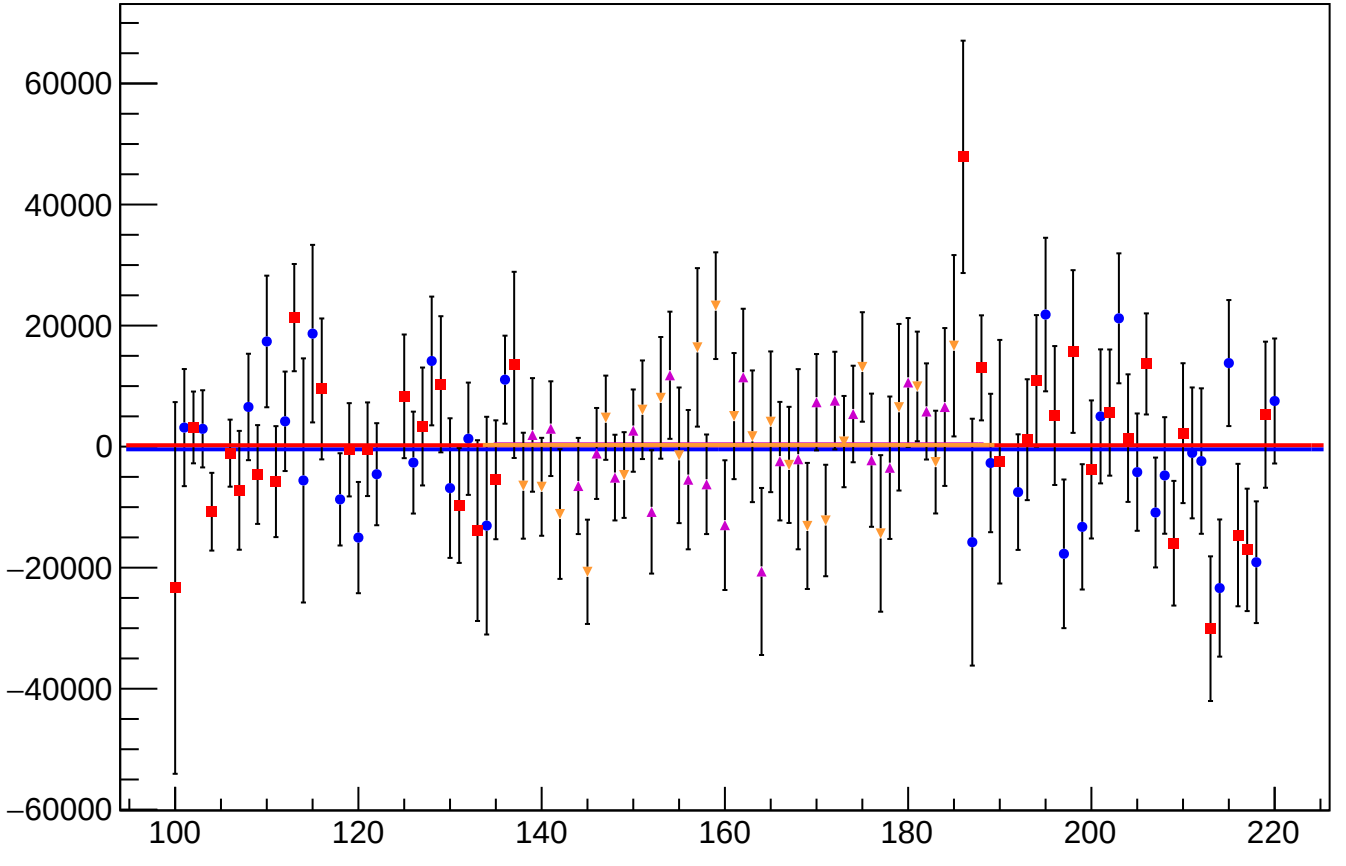
Right: 1622.858+/-0.179 χ^2/NDF: 1268189.9/67

In: 1677.048+/-0.190 χ^2/NDF:969641.2/55

Out: 1682.307+/-0.191 χ^2/NDF:916974.1/58

All: 1679.670+/-0.135 χ^2/NDF: 1886996.0/11

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -444.962+/-1737.820 χ^2/NDF: 38.8/32

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 230.143+/-1636.203 χ^2/NDF: 43.5/34

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

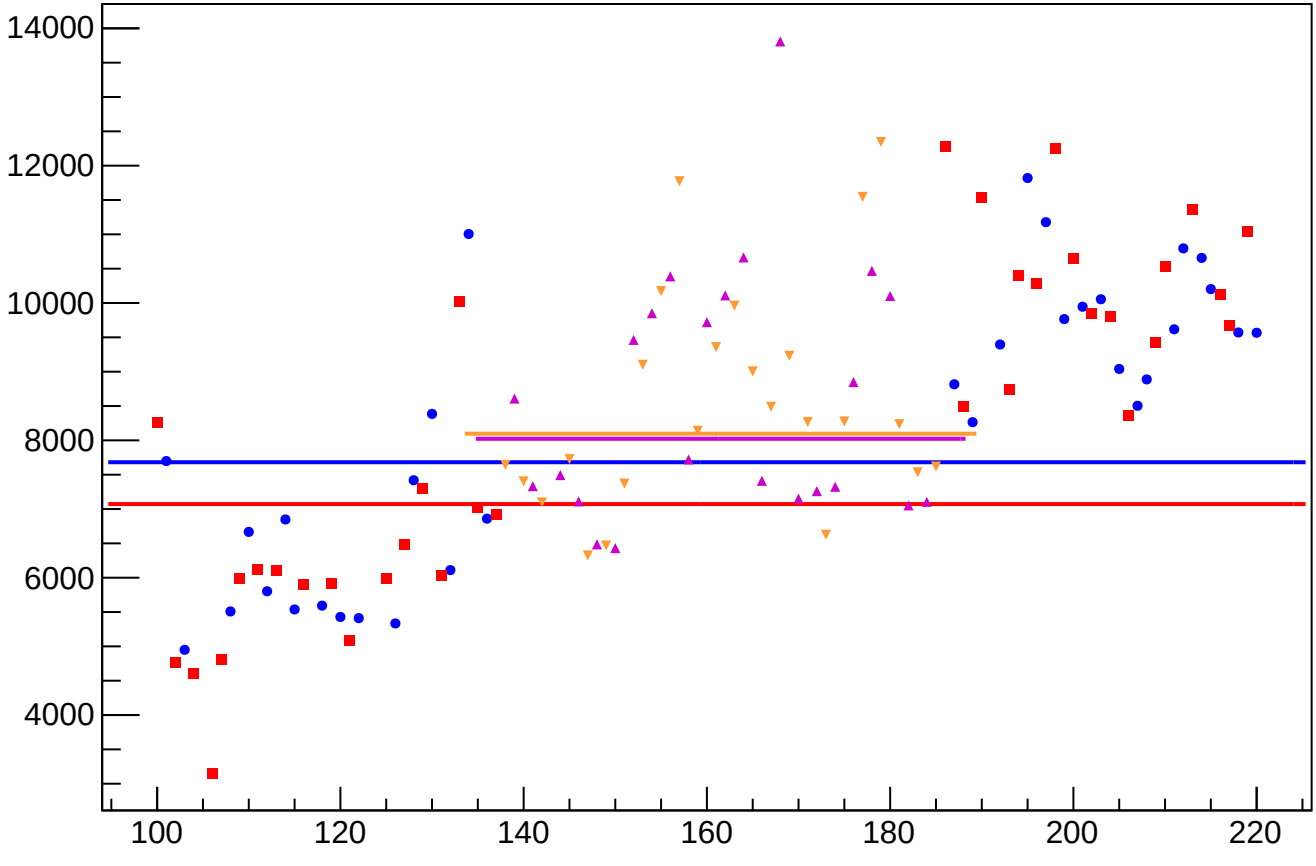
Right: -87.095+/-1191.275 χ^2/NDF: 82.4/67

In: -70.639+/-1286.122 χ^2/NDF:52.5/55

Out: 253.189+/-1245.379 χ^2/NDF:72.2/58

All: 96.485+/-894.673 χ^2/NDF: 124.7/114

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7681.317+/-1.229 χ^2/NDF: 2779061.8/32

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 7072.176+/-1.157 χ^2/NDF: 4658564.0/34

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

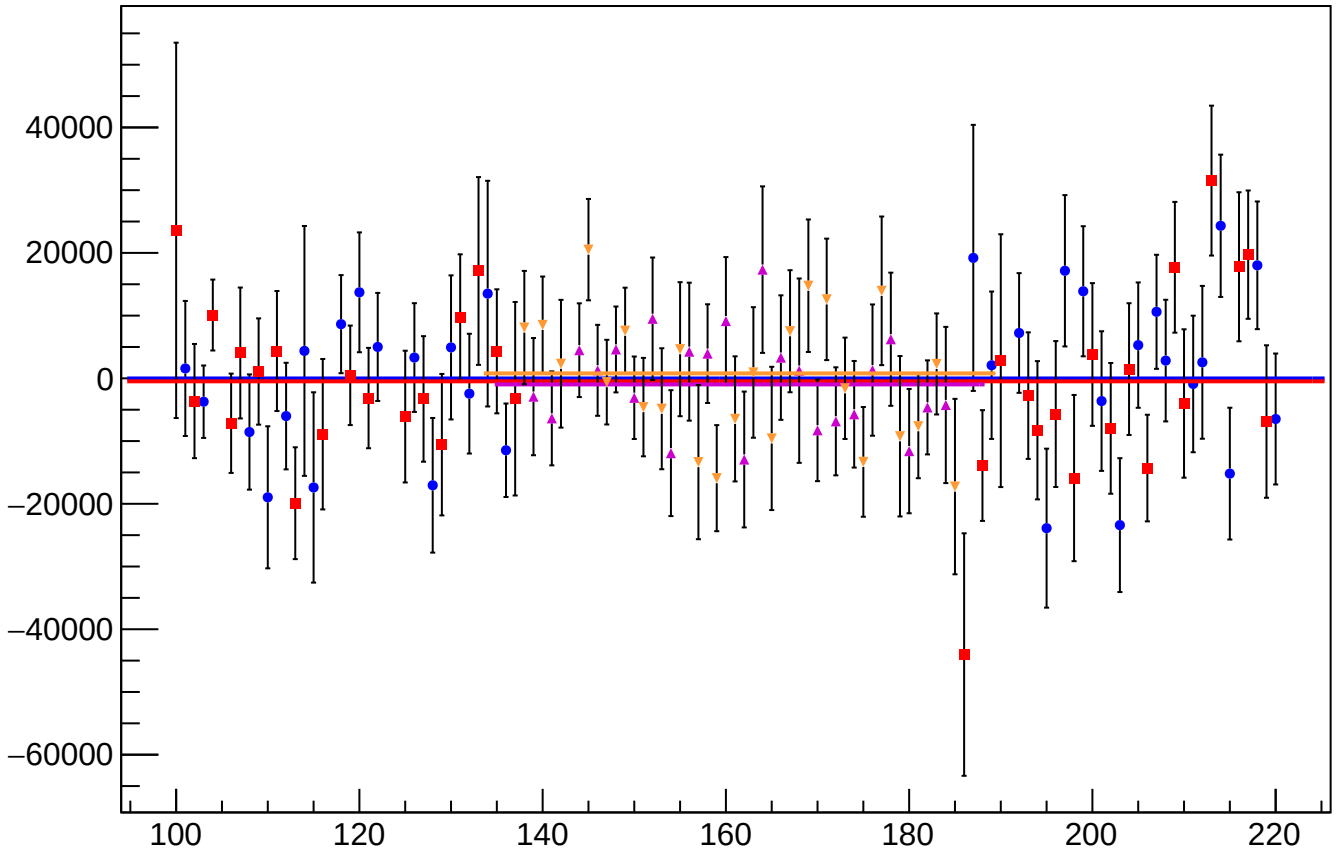
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 7358.417+/-0.842 χ^2/NDF: 7567884.4/67

In: 7835.736+/-0.909 χ^2/NDF:4039530.4/55

Out: 7503.215+/-0.881 χ^2/NDF:6076310.0/58

All: 7664.125+/-0.633 χ^2/NDF: 10184837.5/1



Right In: -19.818+/-1754.845 χ^2/NDF: 41.1/32

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -473.416+/-1722.581 χ^2/NDF: 44.4/34

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

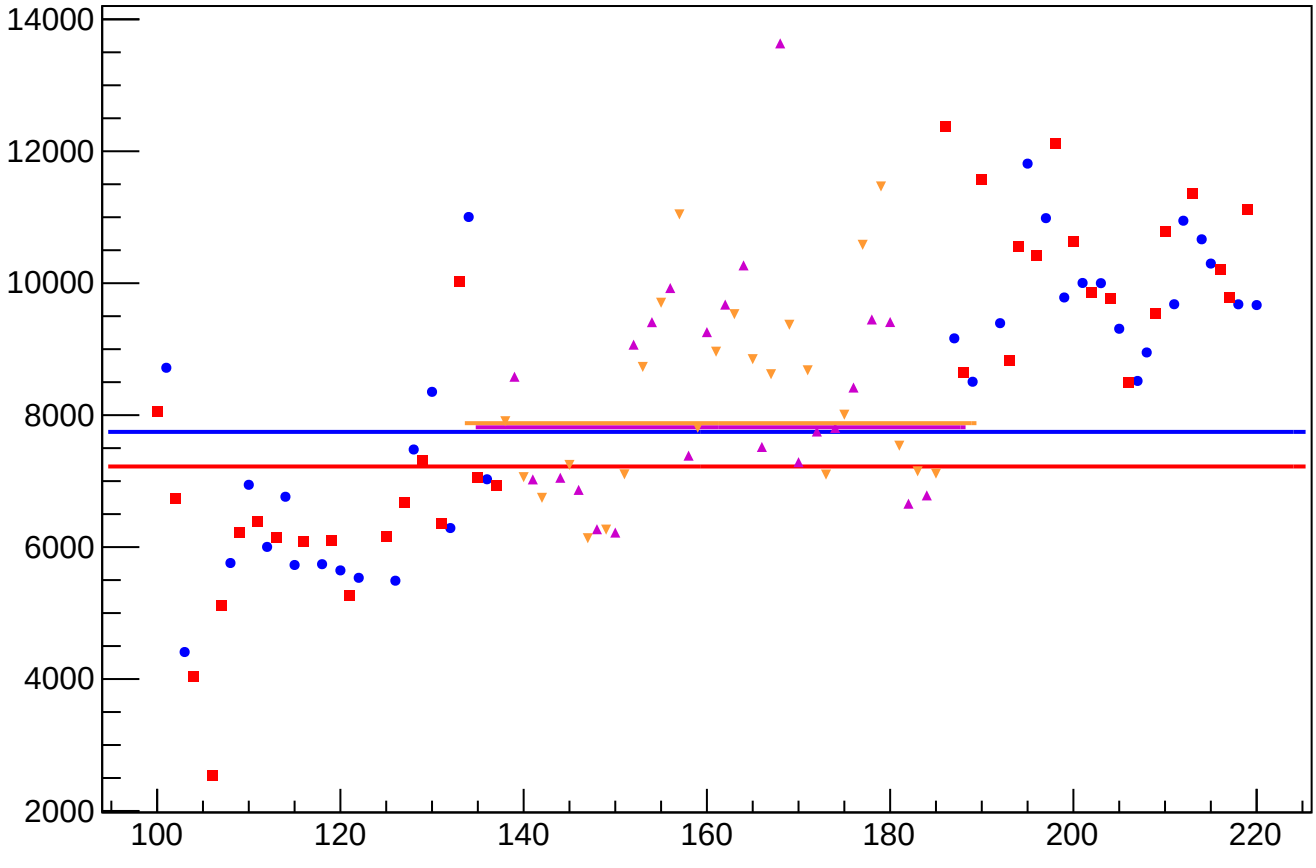
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -250.826+/-1229.297 χ^2/NDF: 85.6/67

In: -464.470+/-1276.395 χ^2/NDF:54.1/55

Out: 108.761+/-1265.440 χ^2/NDF:71.8/58

All: -175.384+/-898.650 χ^2/NDF: 126.0/114



Right In: 7746.254+/-1.241 χ^2/NDF: 2907452.7/32

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 7221.894+/-1.191 χ^2/NDF: 4848985.3/34

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

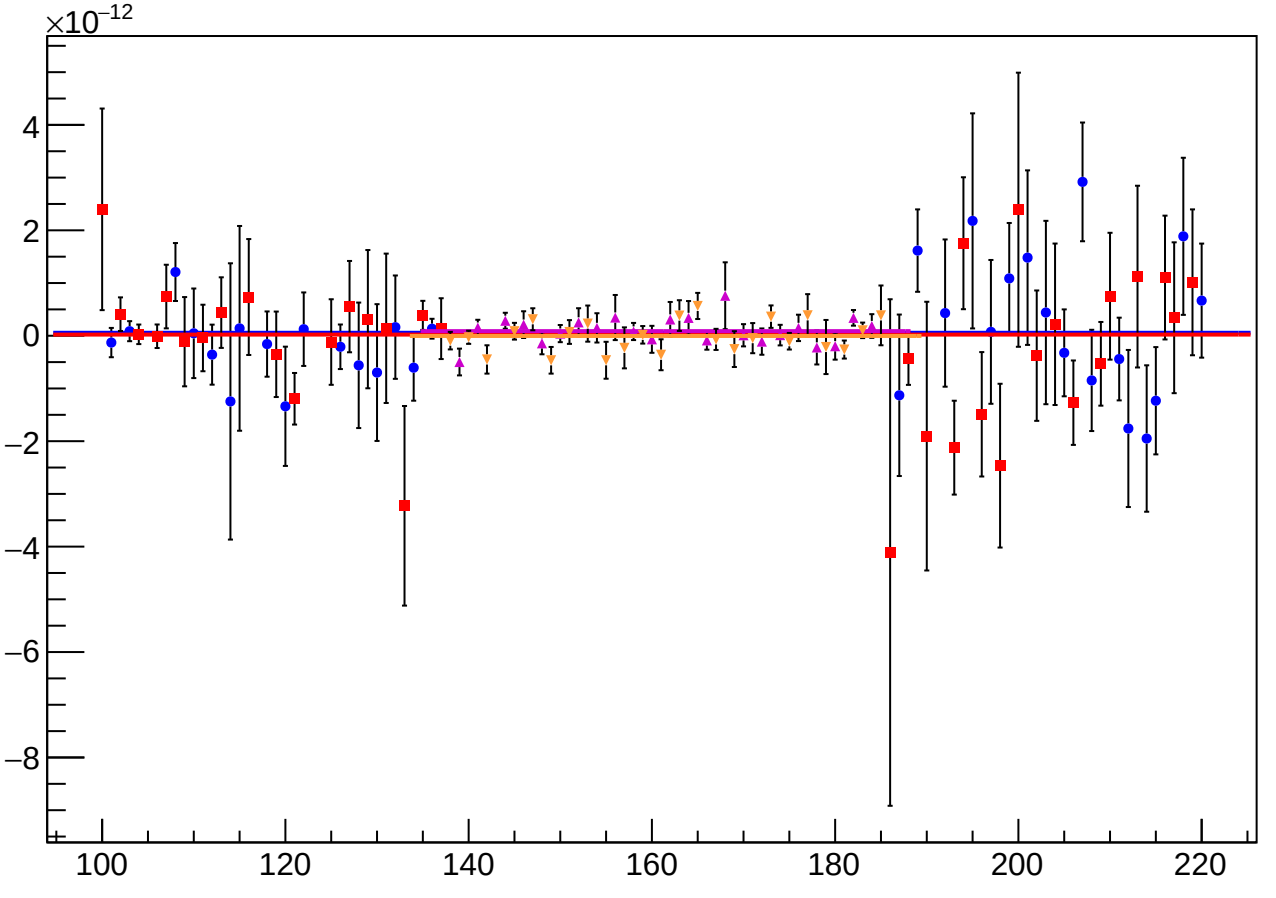
Right: 7473.404+/-0.859 χ^2/NDF: 7849357.6/67

In: 7779.312+/-0.903 χ^2/NDF:4041328.0/55

Out: 7516.928+/-0.884 χ^2/NDF:5975529.5/58

All: 7645.404+/-0.632 χ^2/NDF: 10059989.7/1

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 32.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/34

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

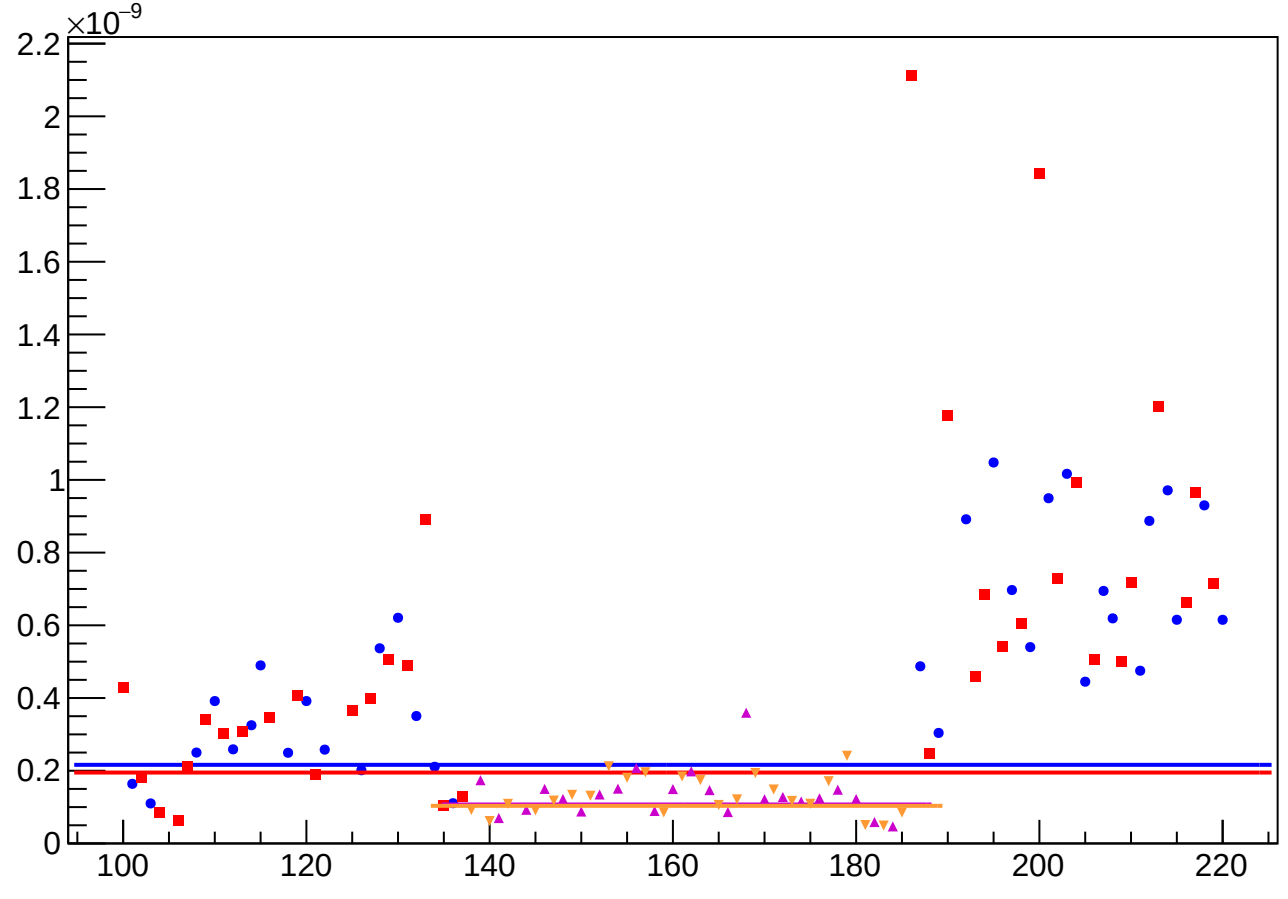
Right: 0.000+/-0.000 χ^2/NDF: 69.3/67

In: 0.000+/-0.000 χ^2/NDF:51.5/55

Out: 0.000+/-0.000 χ^2/NDF:65.9/58

All: 0.000+/-0.000 χ^2/NDF: 119.4/114

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7173370.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8700412.1/34

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

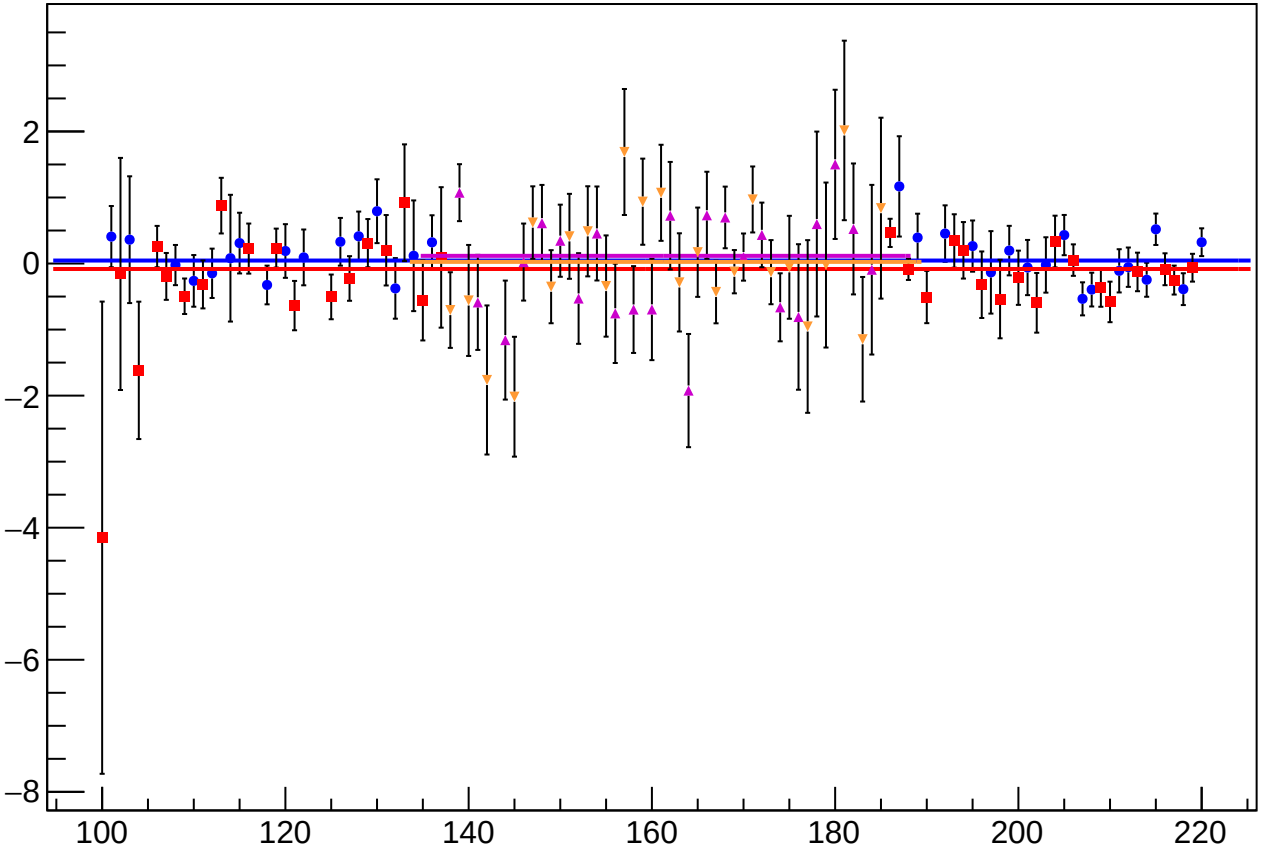
Right: 0.000+/-0.000 χ^2/NDF: 15922298.8/67

In: 0.000+/-0.000 χ^2/NDF:10845671.3/55

Out: 0.000+/-0.000 χ^2/NDF:12117603.3/58

All: 0.000+/-0.000 χ^2/NDF: 22993013.9/114

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.061 χ^2/NDF: 34.2/32

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

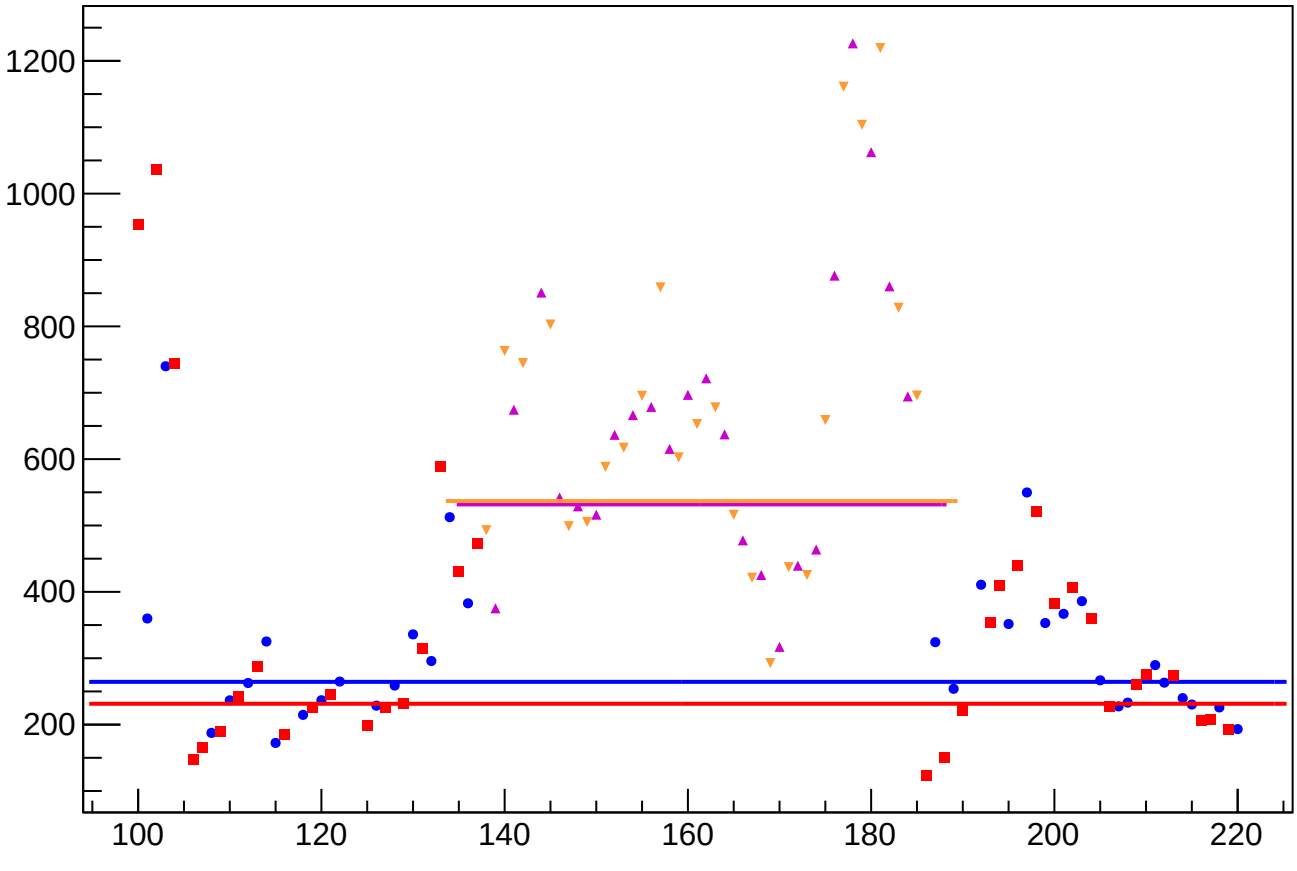
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.024+/-0.041 χ^2/NDF: 75.5/67

In: 0.058+/-0.055 χ^2/NDF:62.2/55

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.009+/-0.038 χ^2/NDF: 133.5/114



Right In: 264.427+/-0.043 χ^2/NDF: 2876655.2/32

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 231.422+/-0.039 χ^2/NDF: 5406494.3/34

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

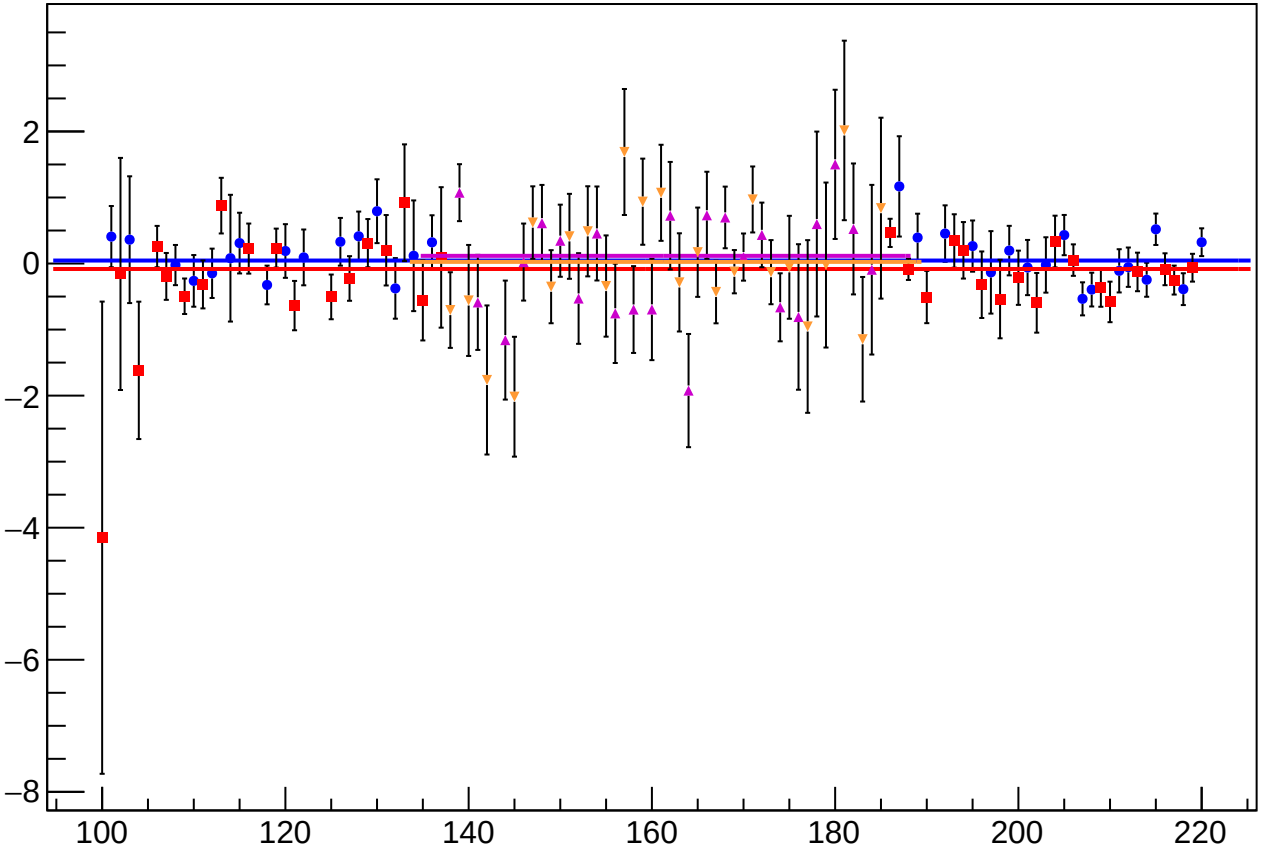
Right: 246.456+/-0.029 χ^2/NDF: 8601510.5/67

In: 311.254+/-0.039 χ^2/NDF:12977529.3/55

Out: 276.614+/-0.036 χ^2/NDF:18224923.9/58

All: 292.672+/-0.027 χ^2/NDF: 31621322.1/11

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.061 χ^2/NDF: 34.2/32

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

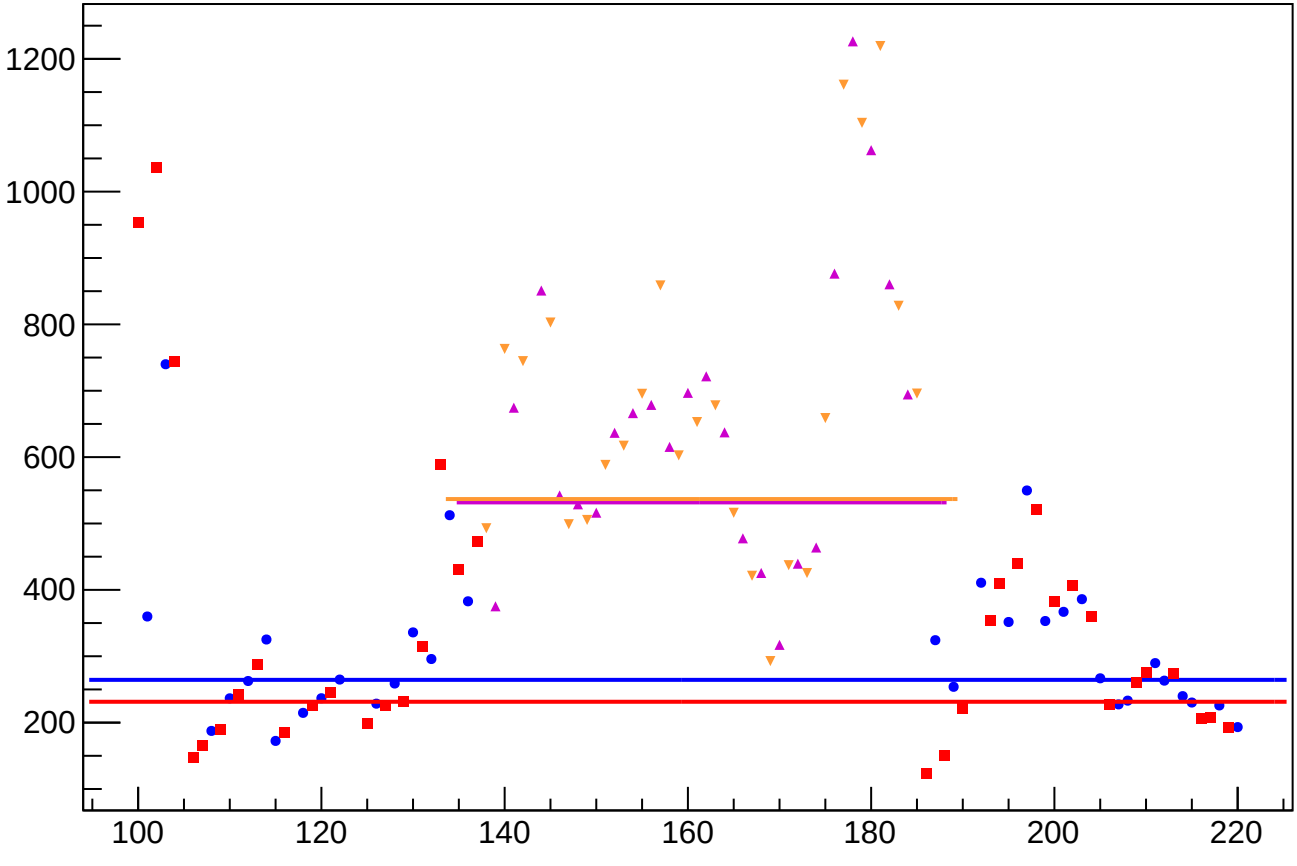
Right: -0.024+/-0.041 χ^2/NDF: 75.5/67

In: 0.058+/-0.055 χ^2/NDF:62.2/55

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.009+/-0.038 χ^2/NDF: 133.5/114

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.427+/-0.043 χ^2/NDF: 2876655.2/32

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 231.422+/-0.039 χ^2/NDF: 5406494.3/34

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

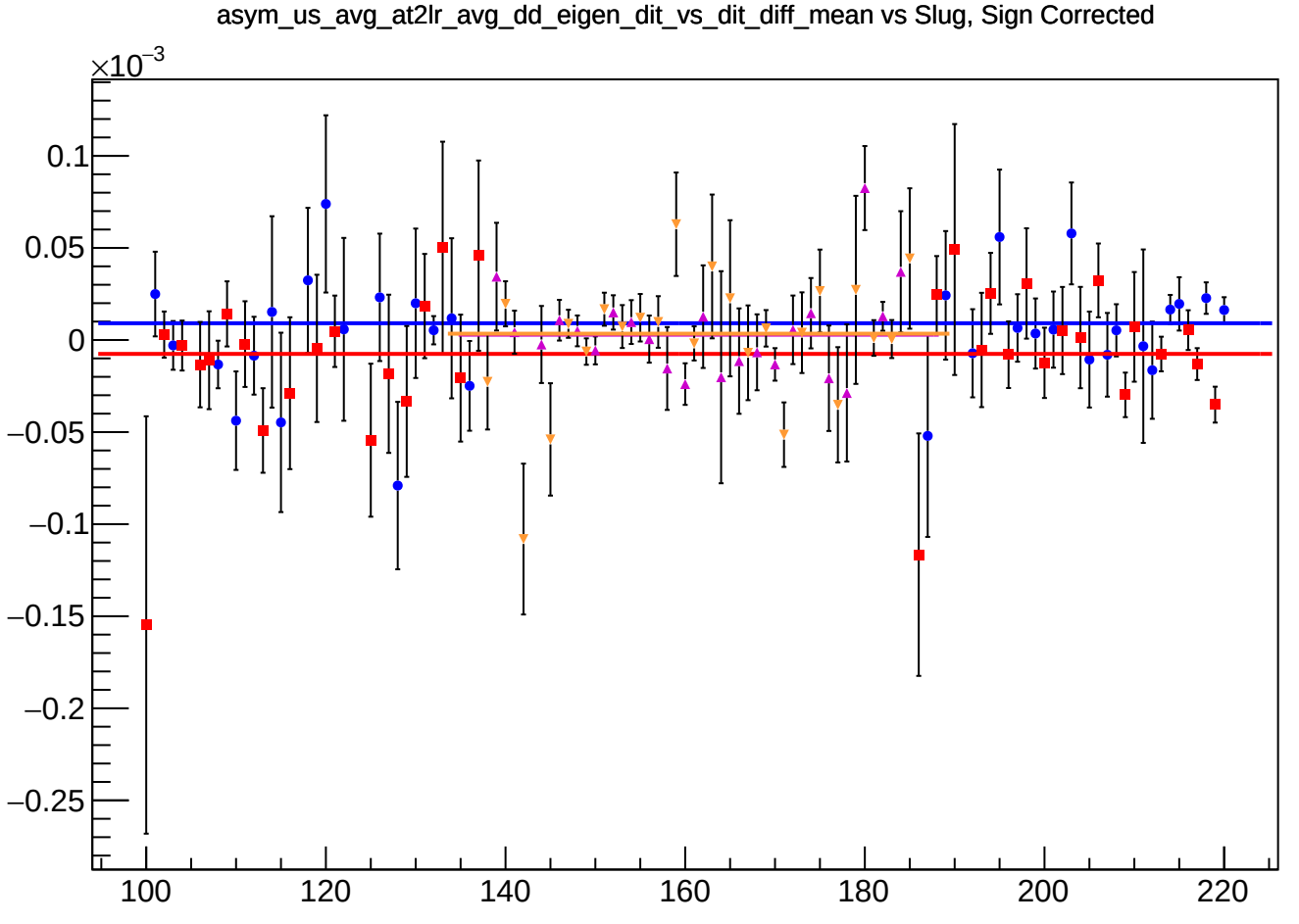
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 246.456+/-0.029 χ^2/NDF: 8601510.5/67

In: 311.254+/-0.039 χ^2/NDF:12977529.3/55

Out: 276.614+/-0.036 χ^2/NDF:18224923.9/58

All: 292.672+/-0.027 χ^2/NDF: 31621322.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 32.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.4/34

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

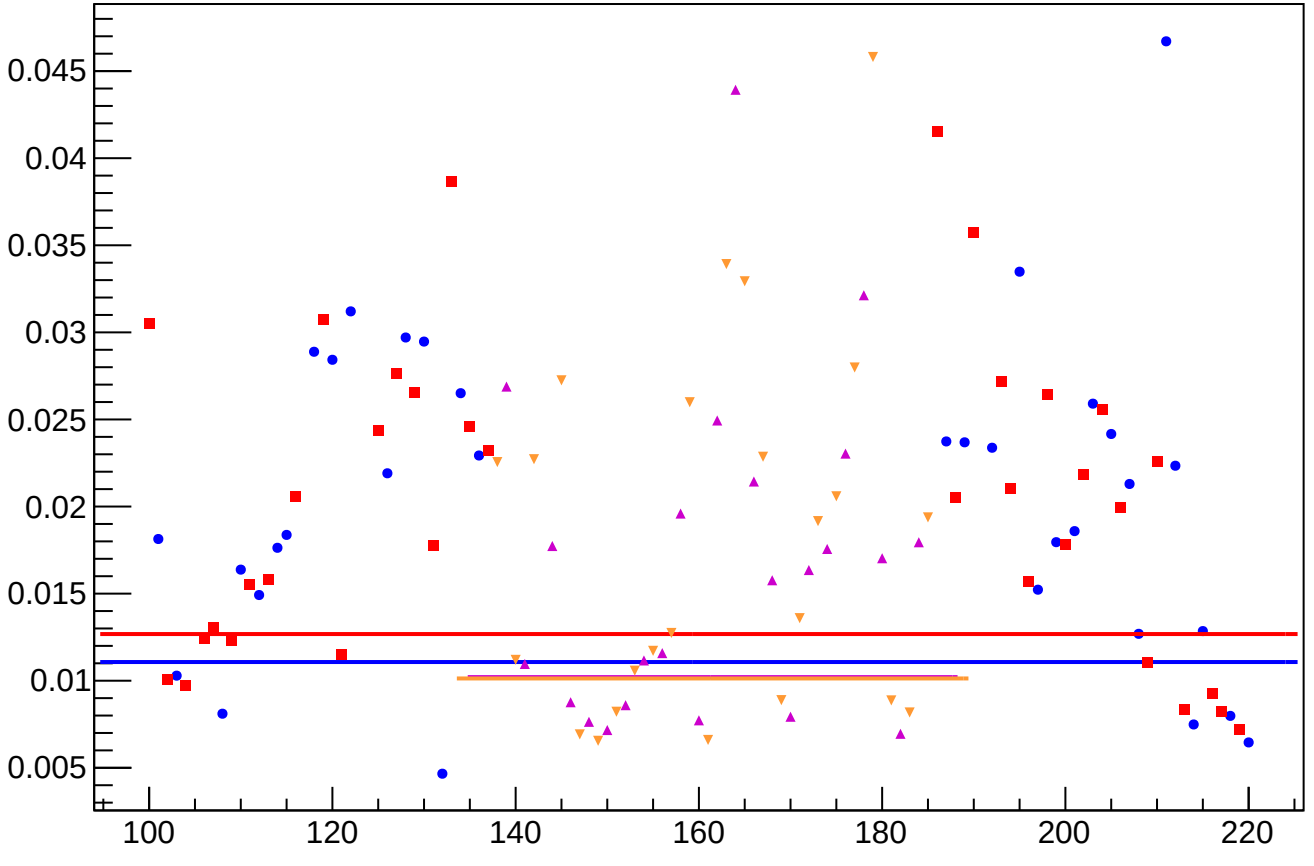
Right: 0.000+/-0.000 χ^2/NDF: 88.0/67

In: 0.000+/-0.000 χ^2/NDF:67.1/55

Out: -0.000+/-0.000 χ^2/NDF:86.4/58

All: 0.000+/-0.000 χ^2/NDF: 159.6/114

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 11236089.7/32

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.013+/-0.000 χ^2/NDF: 7488486.5/34

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

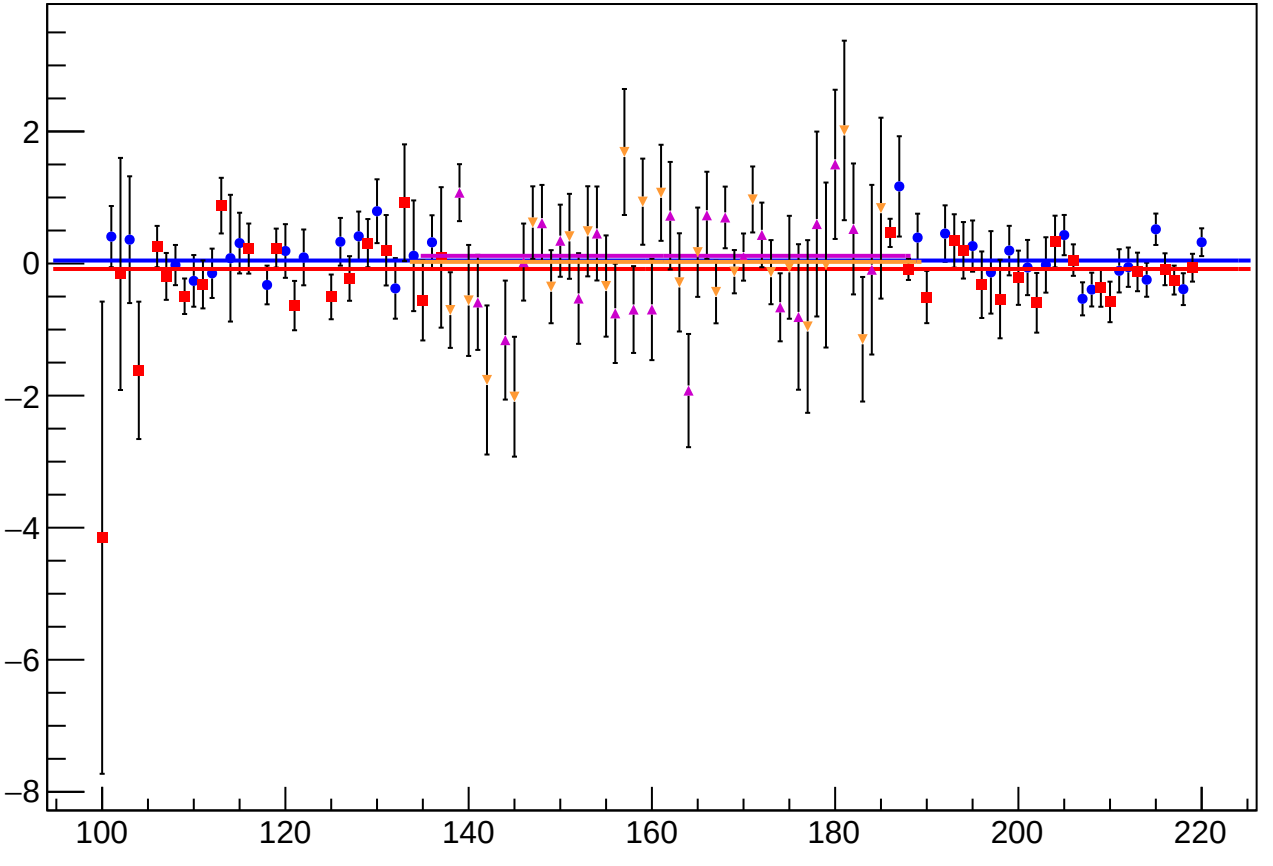
Right: 0.012+/-0.000 χ^2/NDF: 19005652.6/67

In: 0.011+/-0.000 χ^2/NDF:17404871.0/55

Out: 0.011+/-0.000 χ^2/NDF:16044428.5/58

All: 0.011+/-0.000 χ^2/NDF: 33538309.9/114

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.061 χ^2/NDF: 34.2/32

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

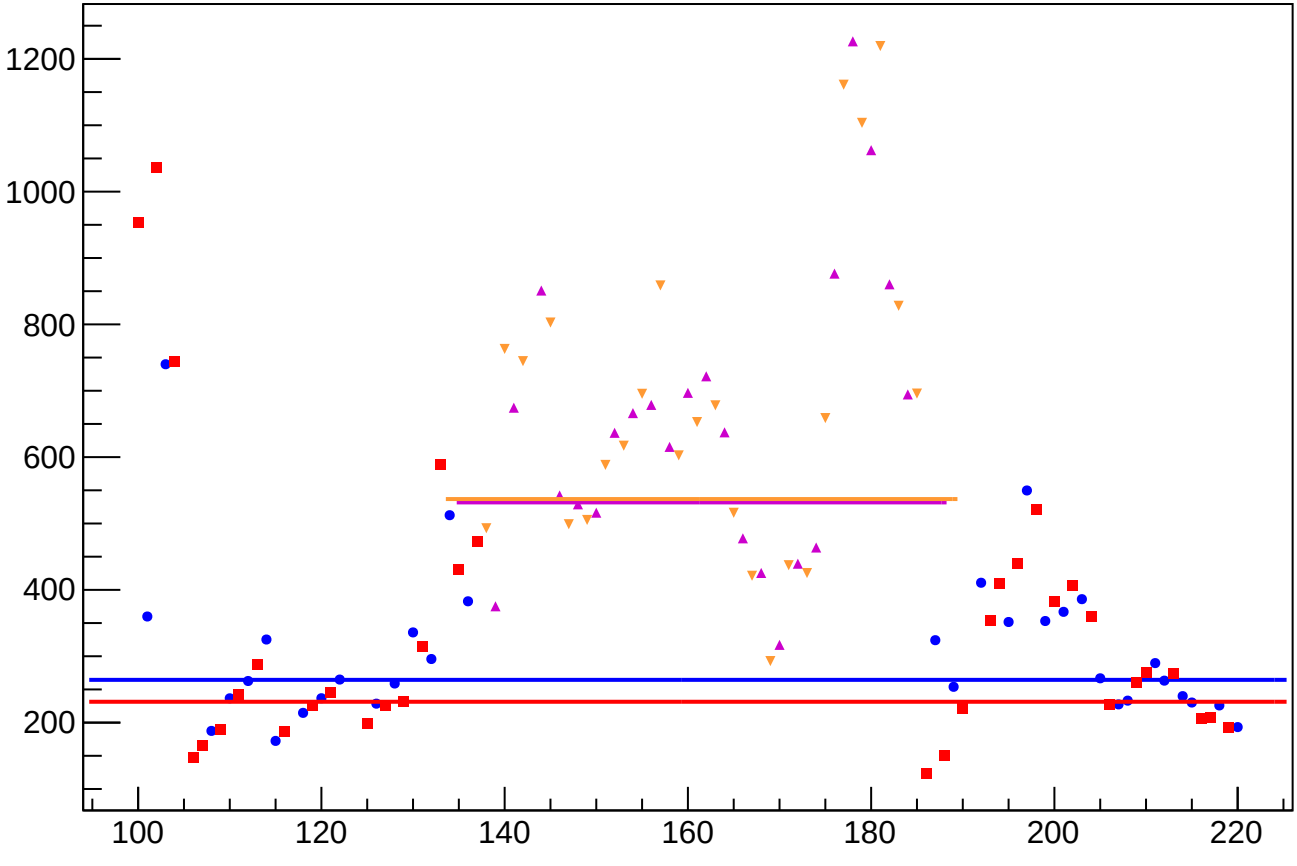
Right: -0.024+/-0.041 χ^2/NDF: 75.6/67

In: 0.058+/-0.055 χ^2/NDF:62.2/55

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.009+/-0.038 χ^2/NDF: 133.5/114

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.426+/-0.043 χ^2/NDF: 2876668.5/32

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 231.421+/-0.039 χ^2/NDF: 5406575.3/34

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

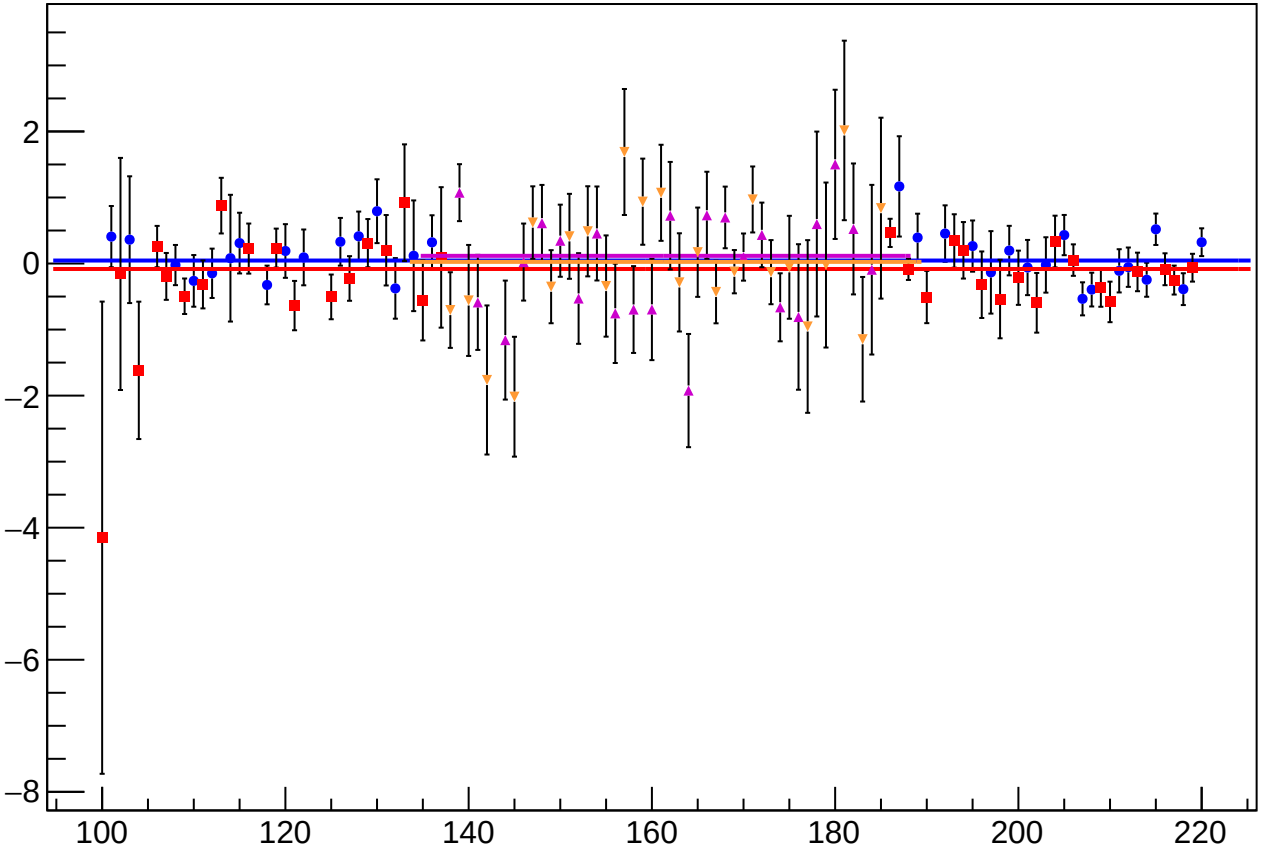
Right: 246.455+/-0.029 χ^2/NDF: 8601604.8/67

In: 311.253+/-0.039 χ^2/NDF:12977775.1/55

Out: 276.613+/-0.036 χ^2/NDF:18225230.5/58

All: 292.671+/-0.027 χ^2/NDF: 31621878.7/11

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.061 χ^2/NDF: 34.2/32

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

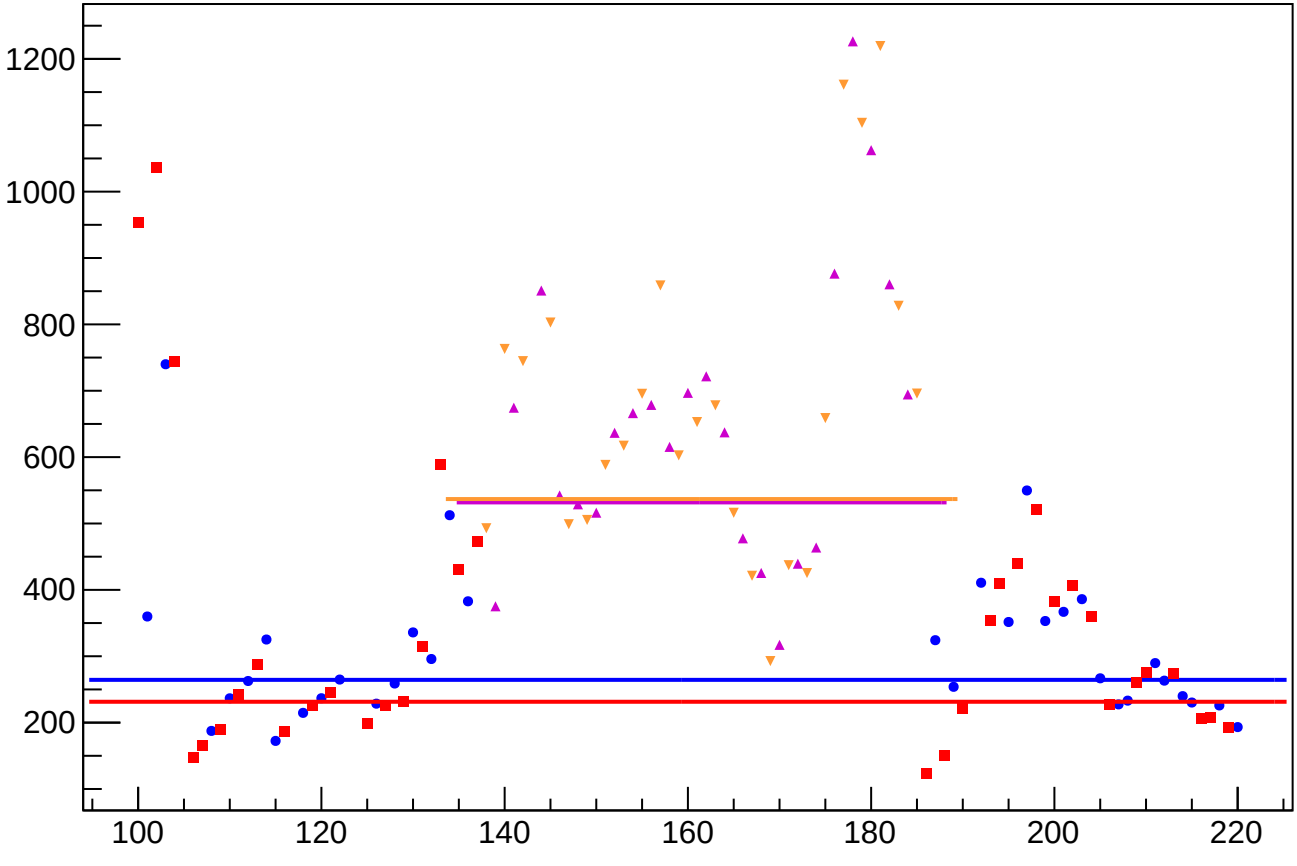
Right: -0.024+/-0.041 χ^2/NDF: 75.6/67

In: 0.058+/-0.055 χ^2/NDF:62.2/55

Out: -0.067+/-0.052 χ^2/NDF:68.6/58

All: -0.009+/-0.038 χ^2/NDF: 133.5/114

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.426+/-0.043 χ^2/NDF: 2876668.5/32

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 231.421+/-0.039 χ^2/NDF: 5406575.3/34

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

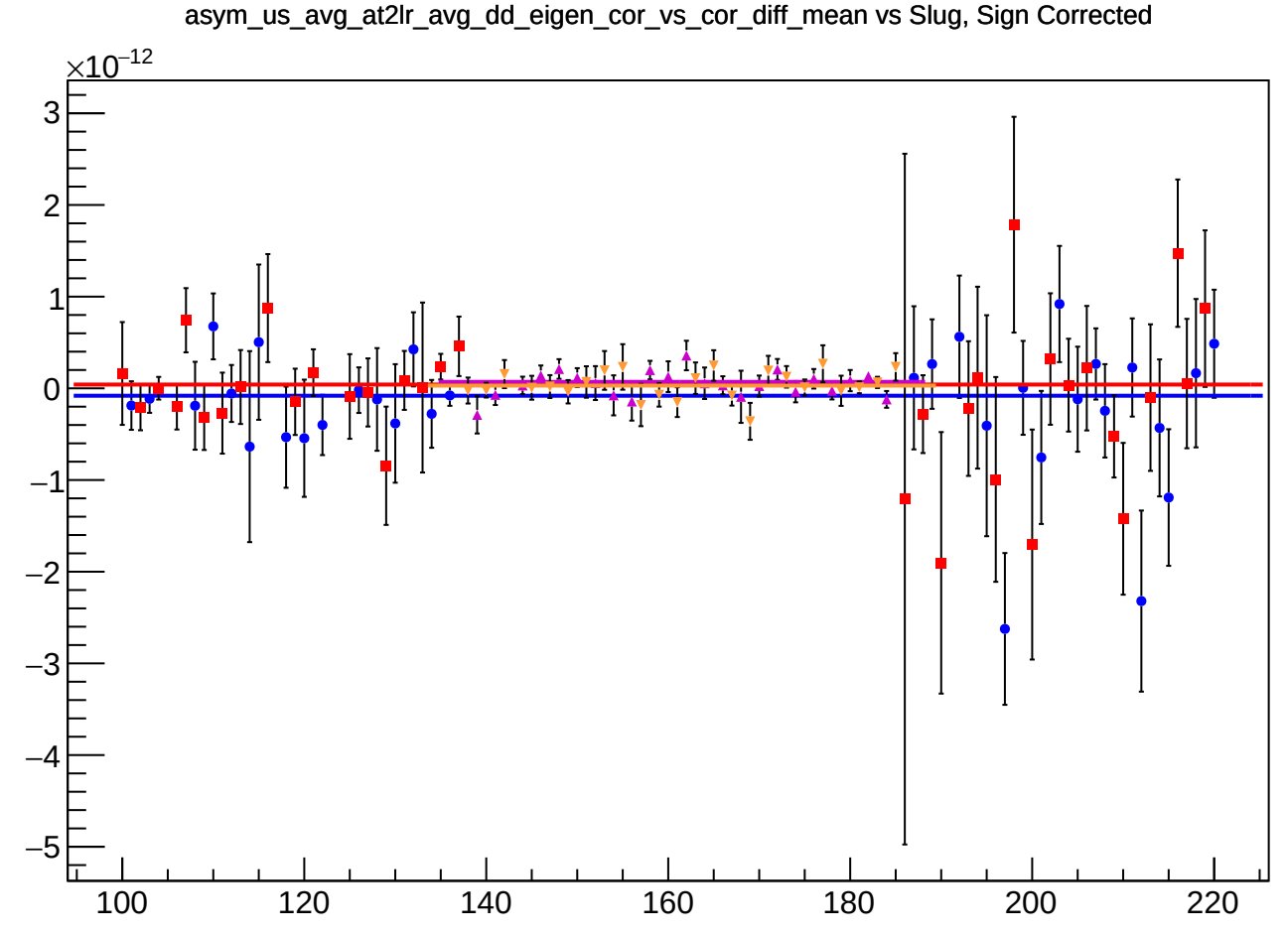
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 246.455+/-0.029 χ^2/NDF: 8601604.8/67

In: 311.253+/-0.039 χ^2/NDF:12977775.1/55

Out: 276.613+/-0.036 χ^2/NDF:18225230.5/58

All: 292.671+/-0.027 χ^2/NDF: 31621878.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/34

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

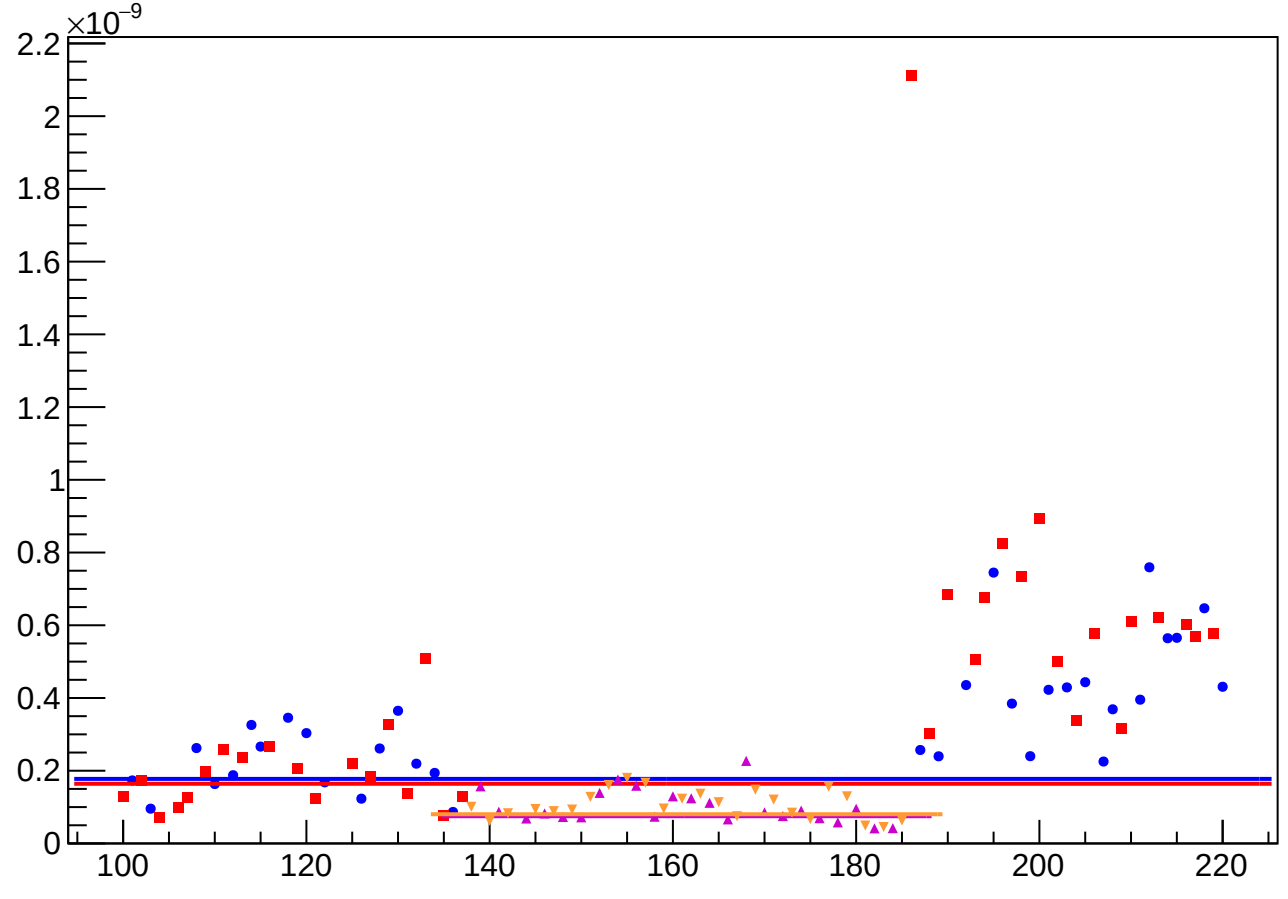
Right: -0.000+/-0.000 χ^2/NDF: 68.5/67

In: 0.000+/-0.000 χ^2/NDF:62.5/55

Out: 0.000+/-0.000 χ^2/NDF:50.3/58

All: 0.000+/-0.000 χ^2/NDF: 113.3/114

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: 7978770.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11280491.8/34

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

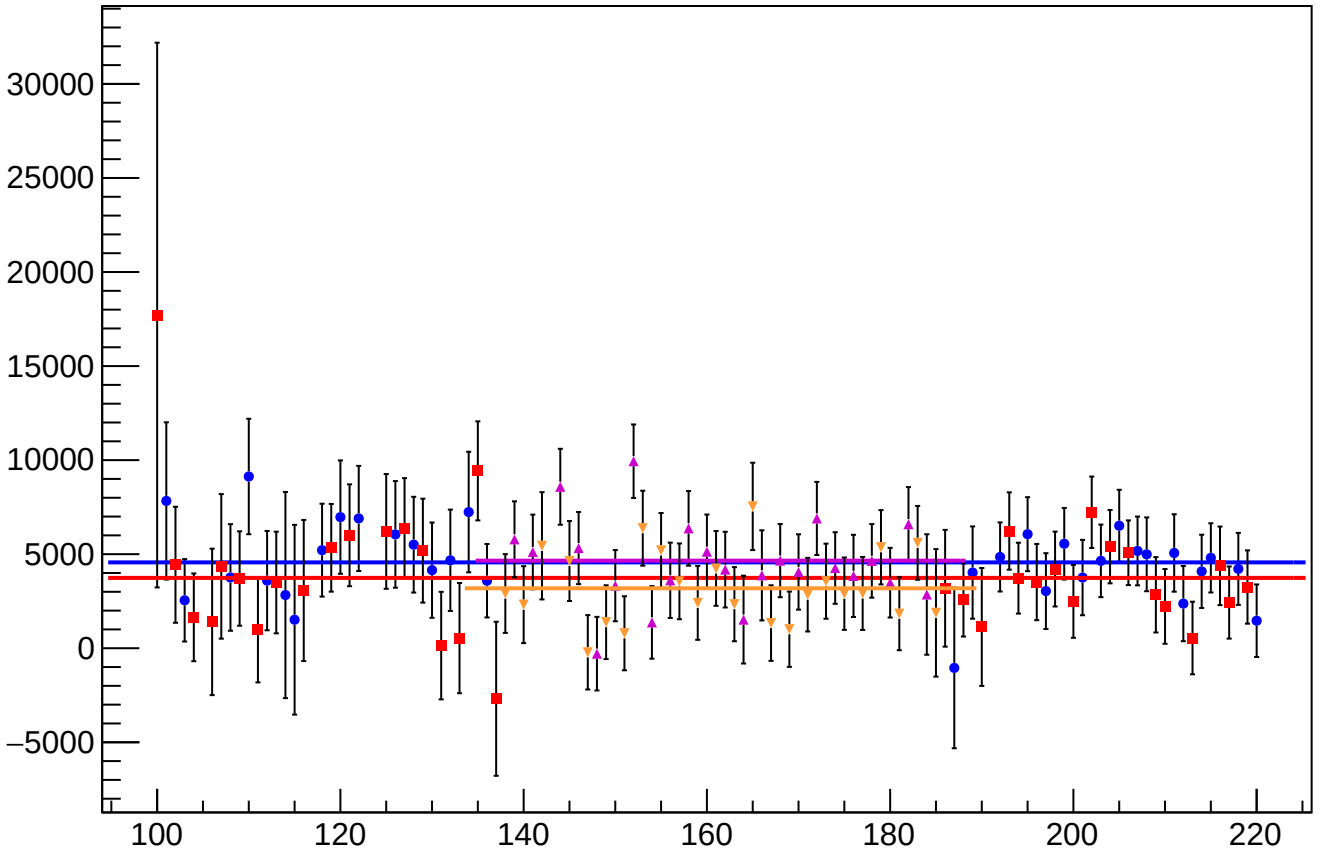
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 19306506.3/67

In: 0.000+/-0.000 χ^2/NDF:16358430.6/55

Out: 0.000+/-0.000 χ^2/NDF:18297831.1/58

All: 0.000+/-0.000 χ^2/NDF: 34703430.4/114



Right In: 4563.499+/-398.946 χ^2/NDF: 15.7/32

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3739.195+/-400.638 χ^2/NDF: 28.1/34

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

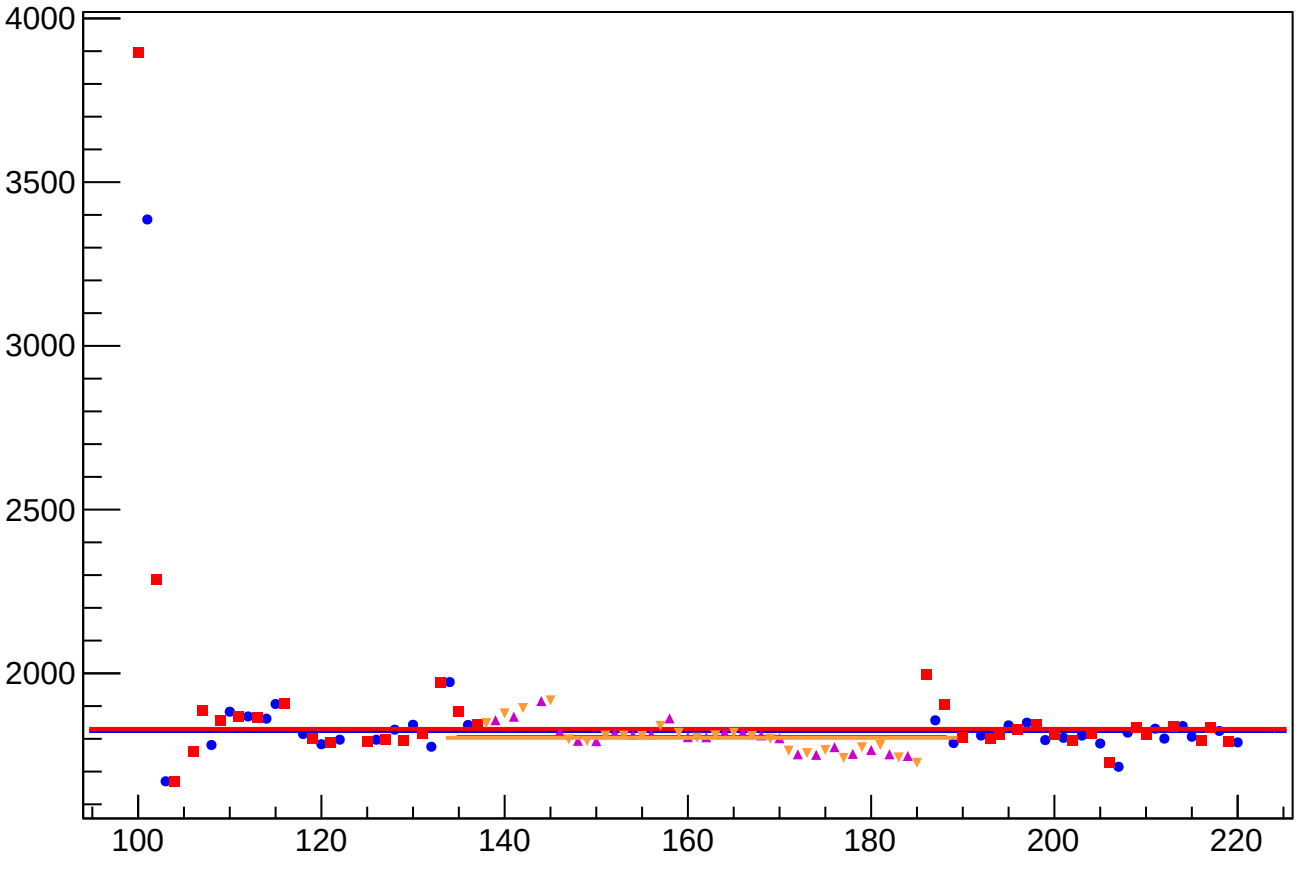
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4153.091+/-282.694 χ^2/NDF: 45.9/67

In: 4606.813+/-289.805 χ^2/NDF:43.4/55

Out: 3475.271+/-289.442 χ^2/NDF:48.9/58

All: 4040.332+/-204.794 χ^2/NDF: 99.9/114



Right In: 1823.829+/-0.282 χ^2/NDF: 308606.9/32

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1830.303+/-0.283 χ^2/NDF: 123039.6/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

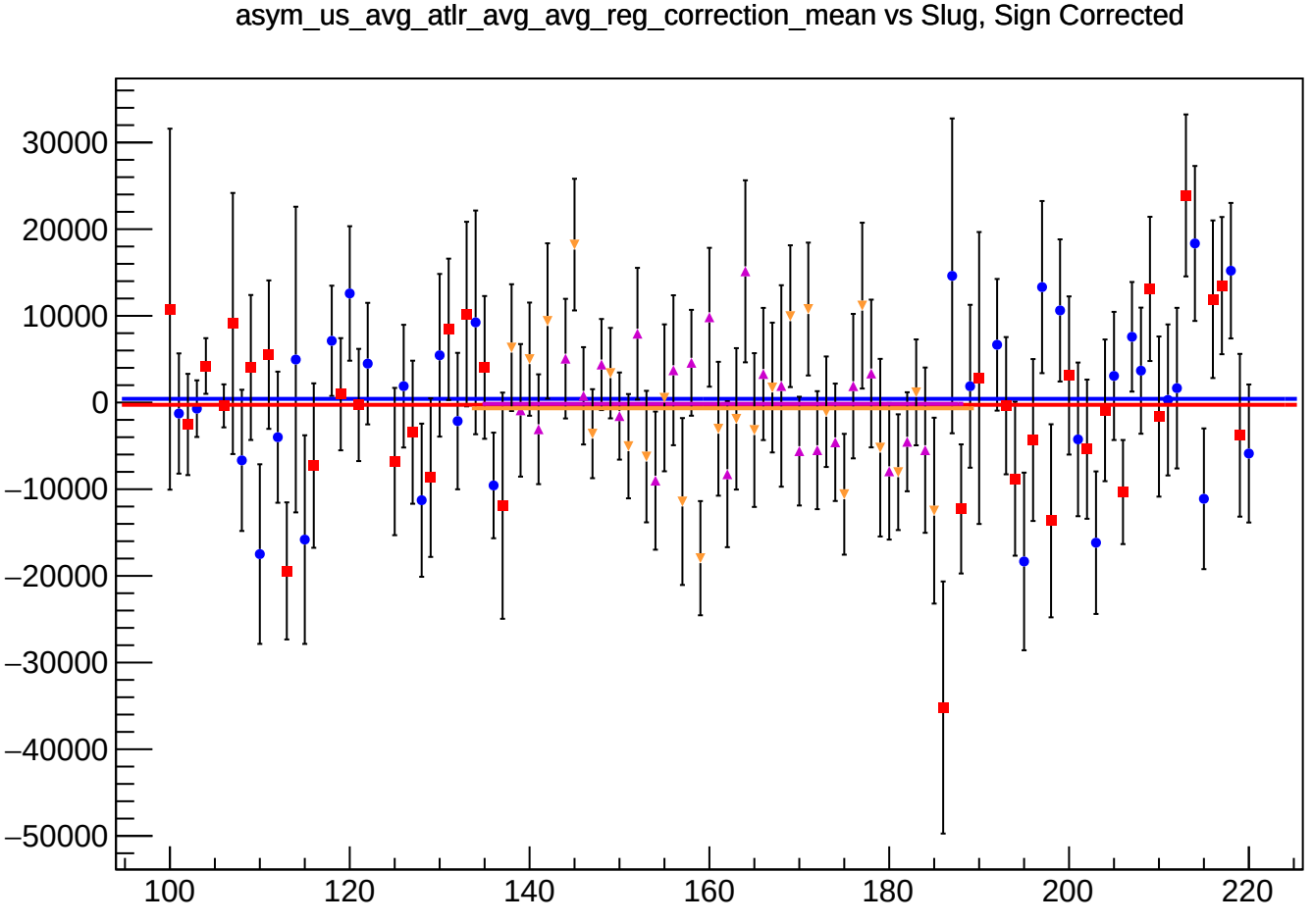
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1827.056+/-0.200 χ^2/NDF: 431908.9/67

In: 1815.200+/-0.205 χ^2/NDF:329902.8/55

Out: 1817.319+/-0.205 χ^2/NDF:148088.3/58

All: 1816.261+/-0.145 χ^2/NDF: 478044.6/114



Right In: 422.477+/-1334.019 χ^2/NDF: 39.5/32

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -263.892+/-1191.021 χ^2/NDF: 43.3/34

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

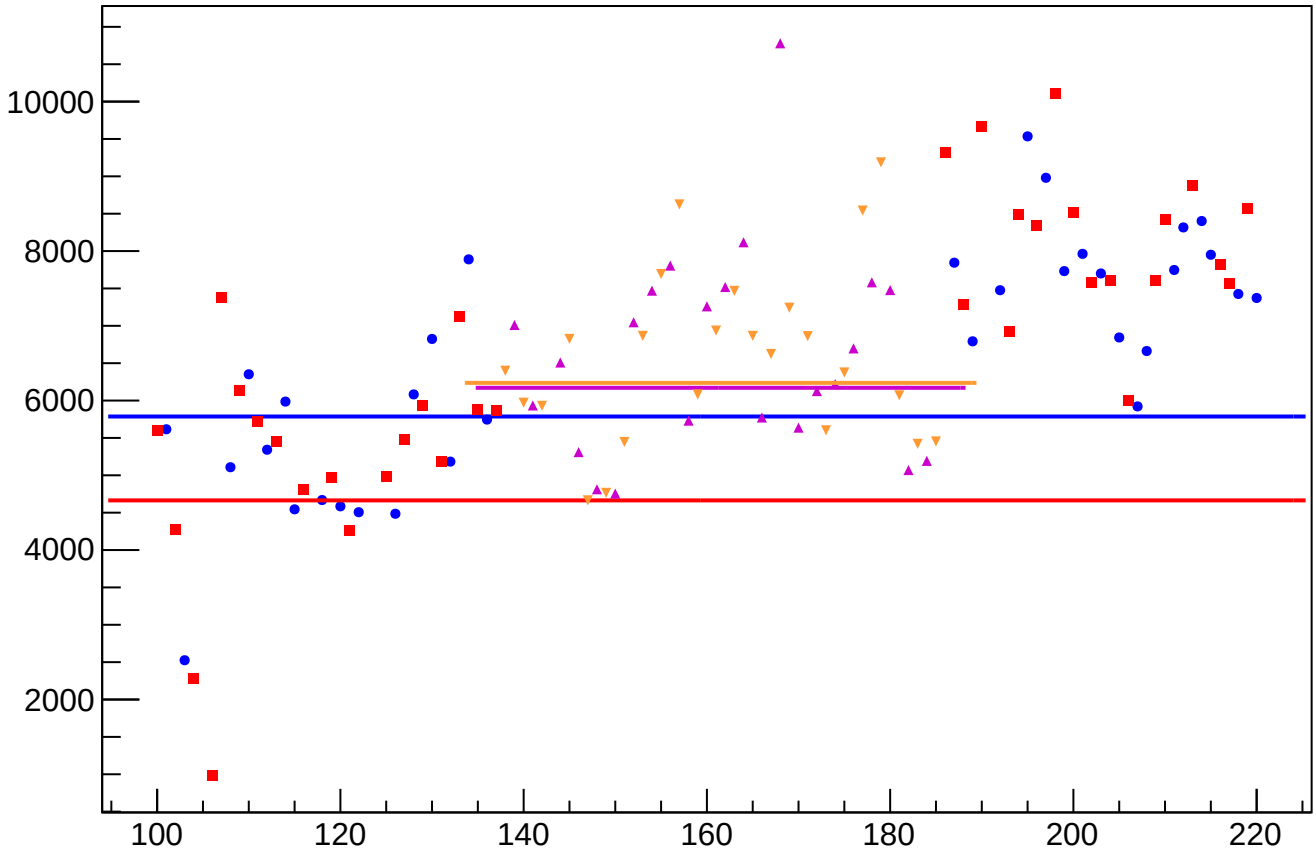
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

Right: 40.546+/-888.450 χ^2/NDF: 82.9/67

In: 167.162+/-988.294 χ^2/NDF:53.2/55

Out: -422.590+/-927.584 χ^2/NDF:73.1/58

All: -146.383+/-676.345 χ^2/NDF: 126.4/114



Right In: 5786.804+/-0.943 χ^2/NDF: 4142449.5/32

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4664.167+/-0.842 χ^2/NDF: 10720810.7/34

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

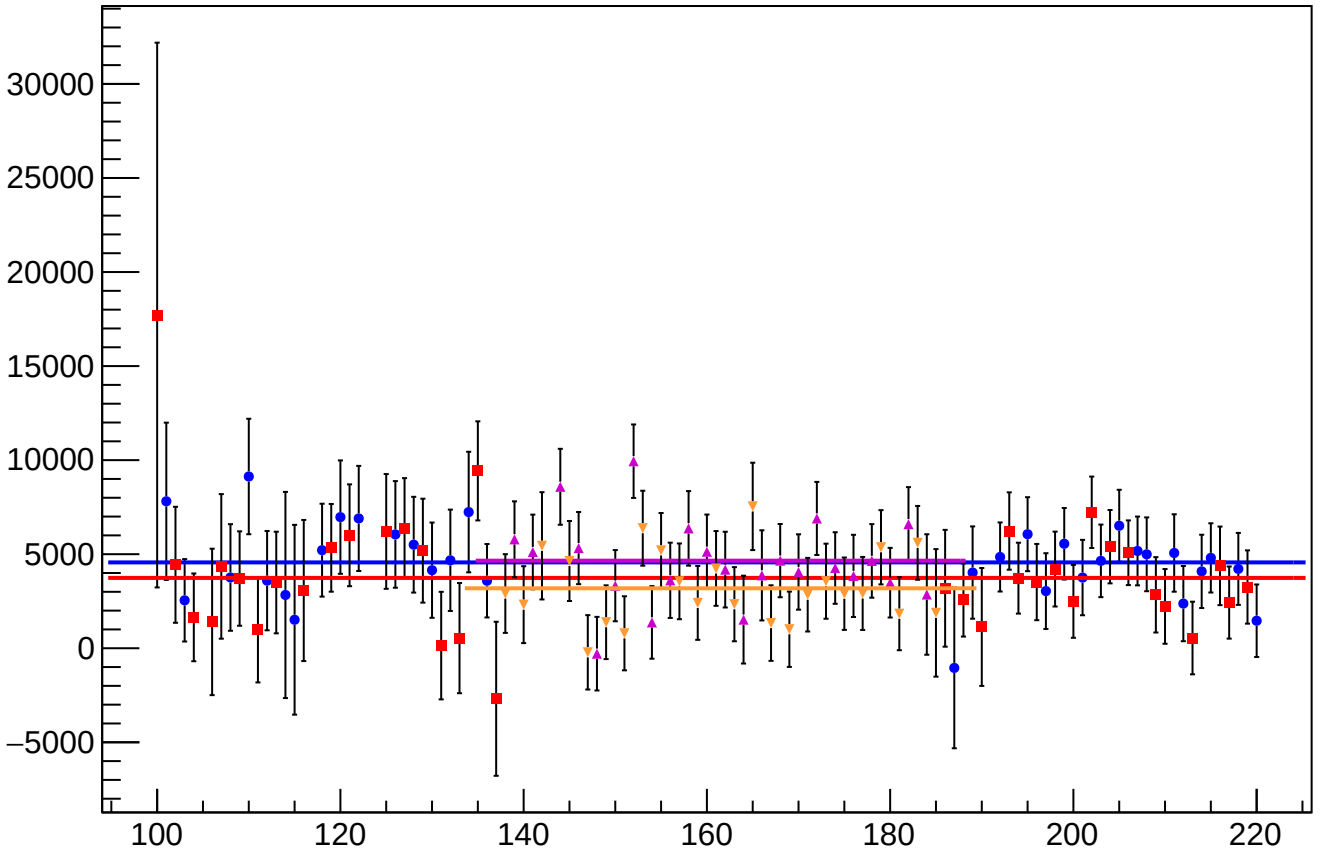
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 5162.111+/-0.628 χ^2/NDF: 15651414.9/67

In: 5960.042+/-0.699 χ^2/NDF:5454763.8/55

Out: 5282.853+/-0.656 χ^2/NDF:13160122.1/58

All: 5600.010+/-0.478 χ^2/NDF: 19114125.6/



Right In: 4563.304+/-398.946 χ^2/NDF: 15.7/32

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3739.153+/-400.638 χ^2/NDF: 28.1/34

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

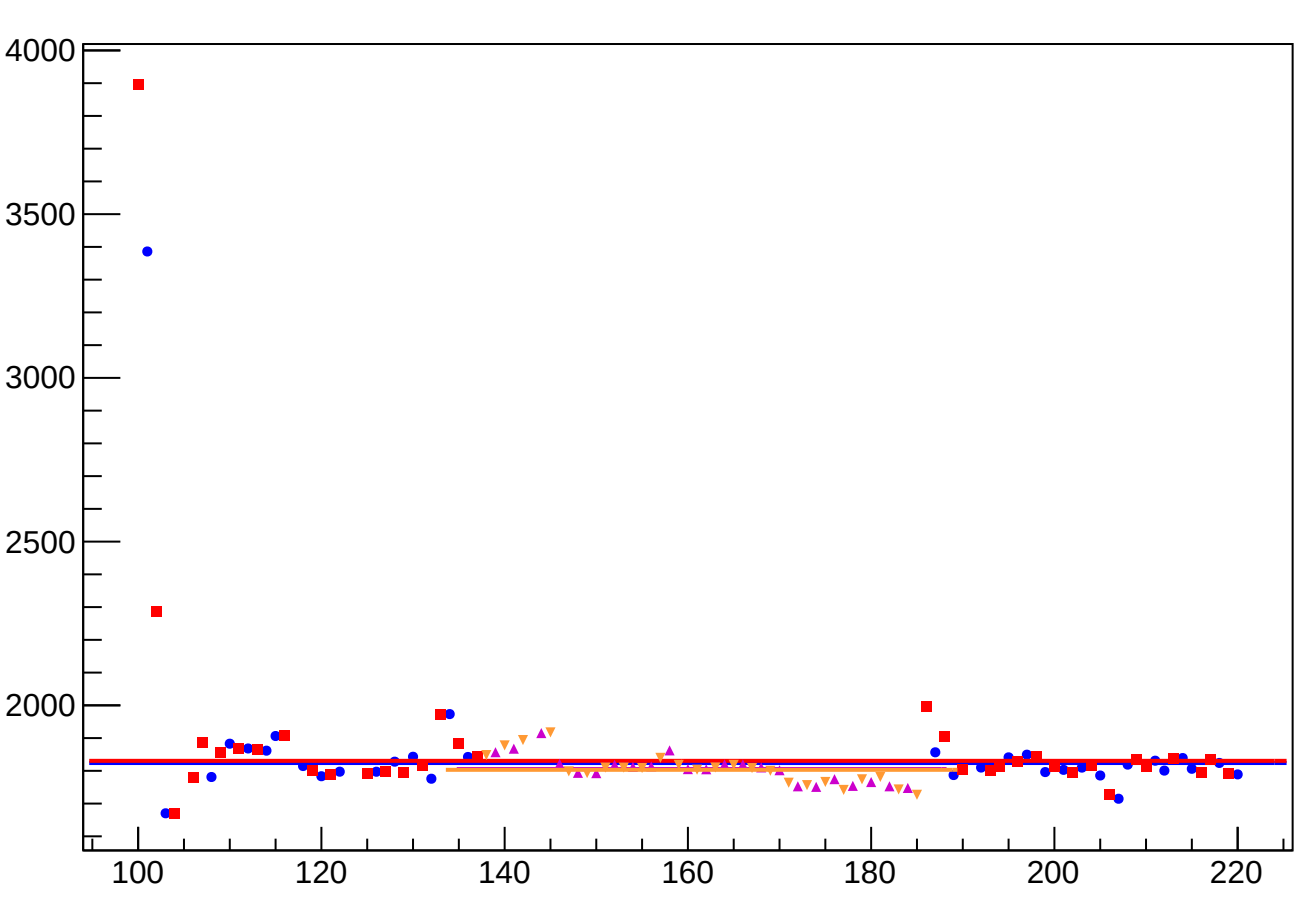
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4152.972+/-282.694 χ^2/NDF: 45.9/67

In: 4606.718+/-289.805 χ^2/NDF:43.4/55

Out: 3475.216+/-289.442 χ^2/NDF:48.9/58

All: 4040.258+/-204.794 χ^2/NDF: 99.9/114



Right In: 1823.829+/-0.282 χ^2/NDF: 308608.8/32

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

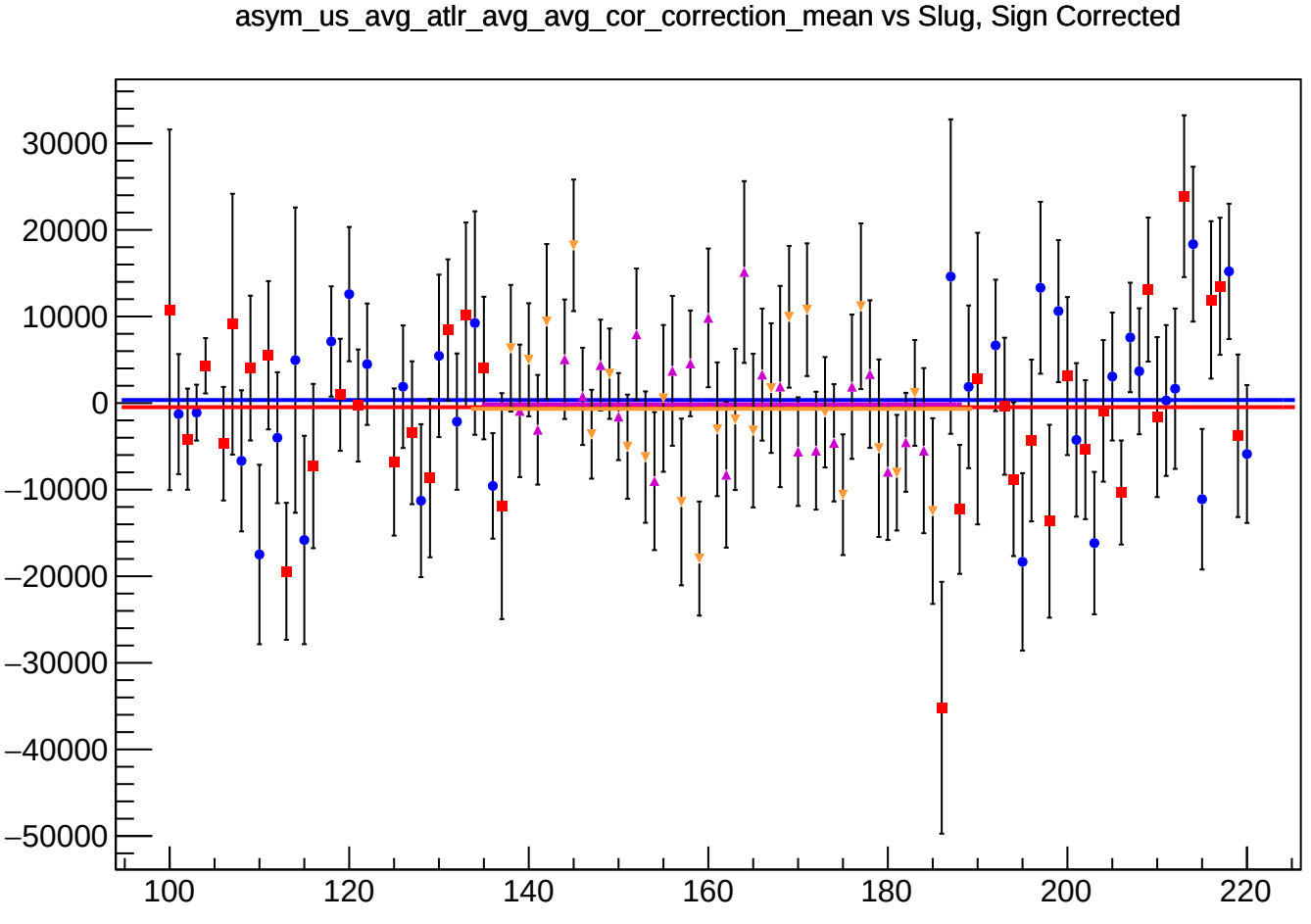
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1827.170+/-0.200 χ^2/NDF: 431595.4/67

In: 1815.200+/-0.205 χ^2/NDF:329904.7/55

Out: 1817.438+/-0.205 χ^2/NDF:147828.4/58

All: 1816.321+/-0.145 χ^2/NDF: 477792.8/114



Right In: 350.510+/-1331.287 χ^2/NDF: 39.6/32

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -470.748+/-1328.344 χ^2/NDF: 44.1/34

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

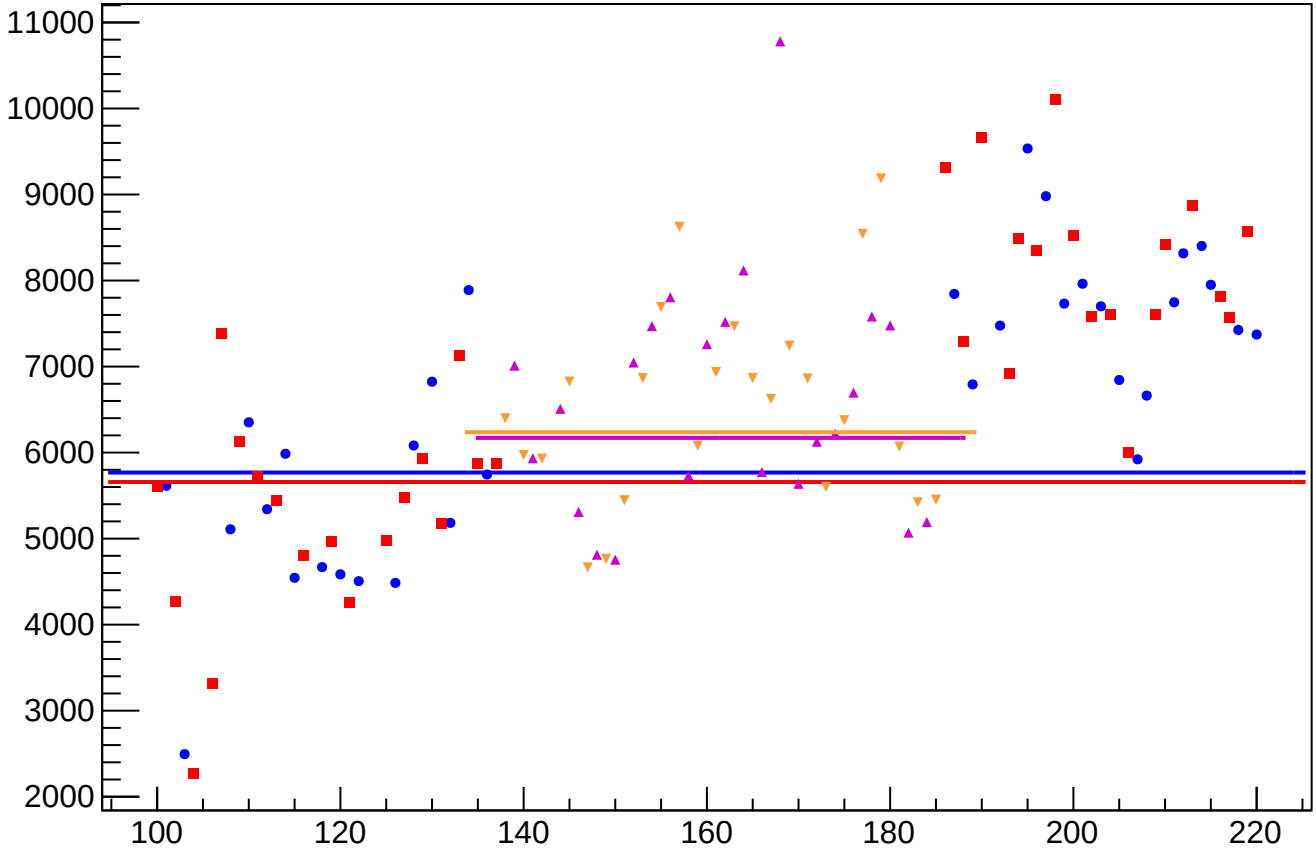
Right: -61.028+/-940.320 χ^2/NDF: 83.9/67

In: 128.195+/-987.181 χ^2/NDF:53.2/55

Out: -558.495+/-988.205 χ^2/NDF:73.9/58

All: -214.794+/-698.404 χ^2/NDF: 127.4/114

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5768.210+/-0.941 χ^2/NDF: 4229761.6/32

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

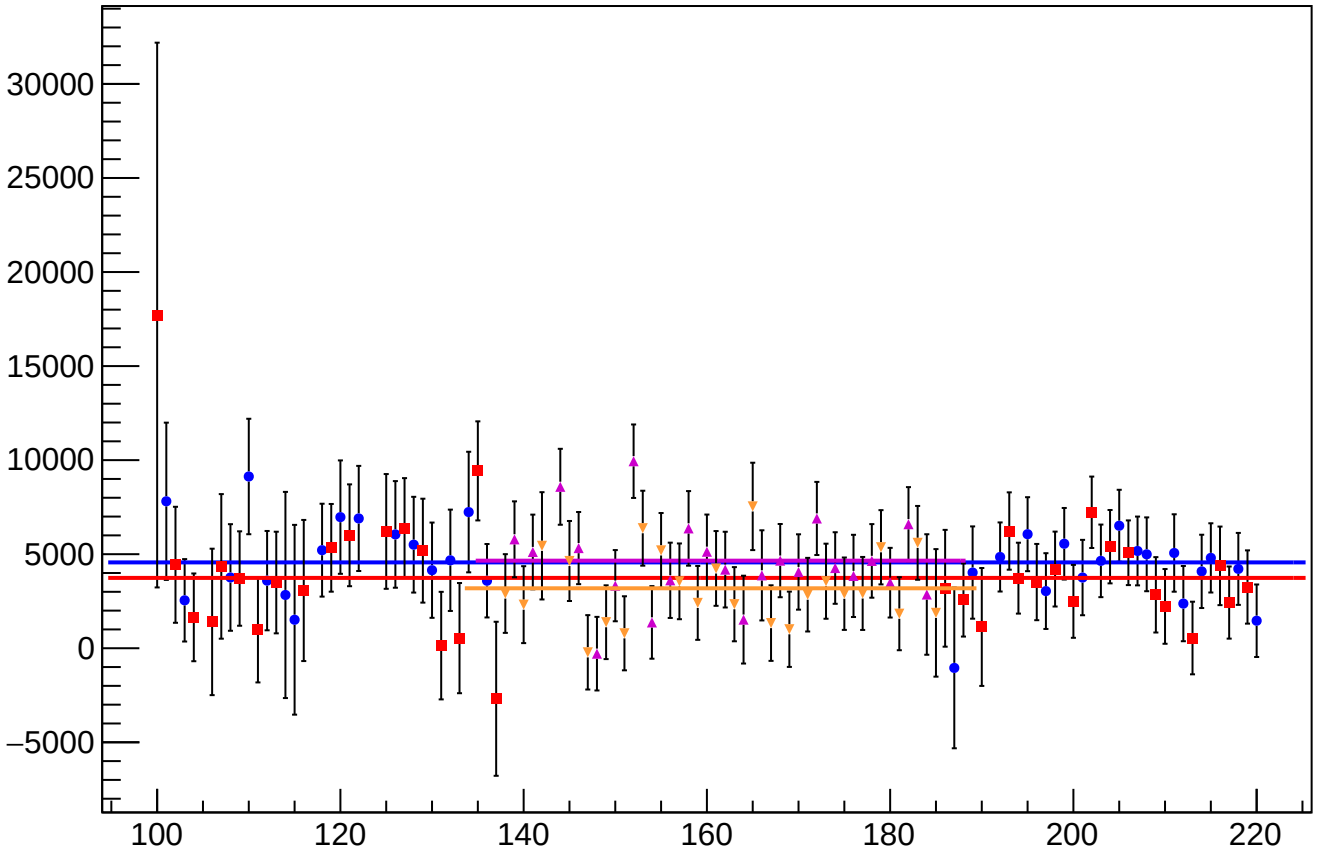
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5713.037+/-0.665 χ^2/NDF: 9537942.9/67

In: 5949.428+/-0.698 χ^2/NDF:5549652.2/55

Out: 5916.452+/-0.699 χ^2/NDF:6538399.7/58

All: 5932.957+/-0.494 χ^2/NDF: 12089166.6/1



Right In: 4563.304+/-398.946 χ^2/NDF: 15.7/32

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3739.153+/-400.638 χ^2/NDF: 28.1/34

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

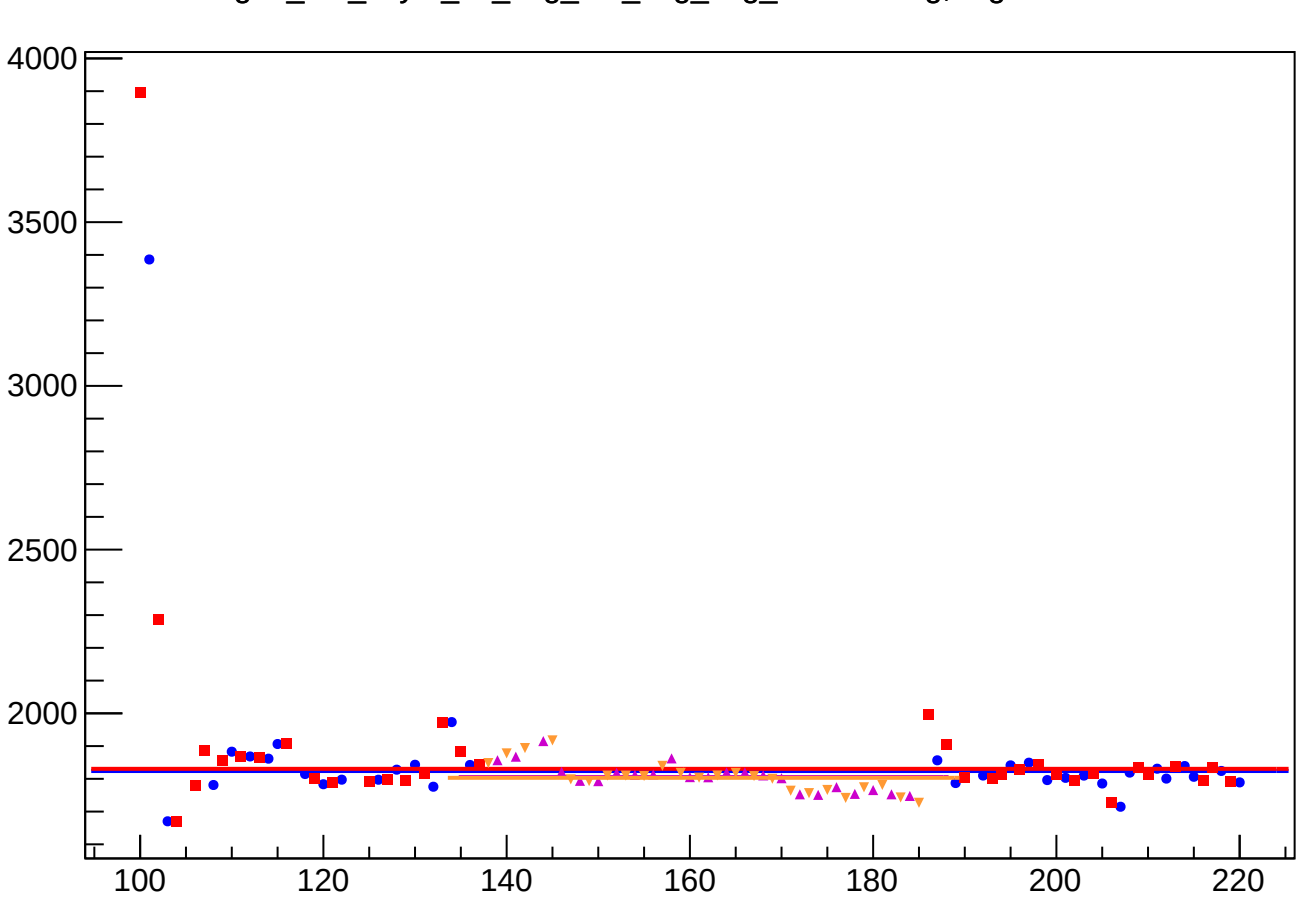
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4152.972+/-282.694 χ^2/NDF: 45.9/67

In: 4606.718+/-289.805 χ^2/NDF:43.4/55

Out: 3475.216+/-289.442 χ^2/NDF:48.9/58

All: 4040.258+/-204.794 χ^2/NDF: 99.9/114



Right In: 1823.829+/-0.282 χ^2/NDF: 308608.8/32

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

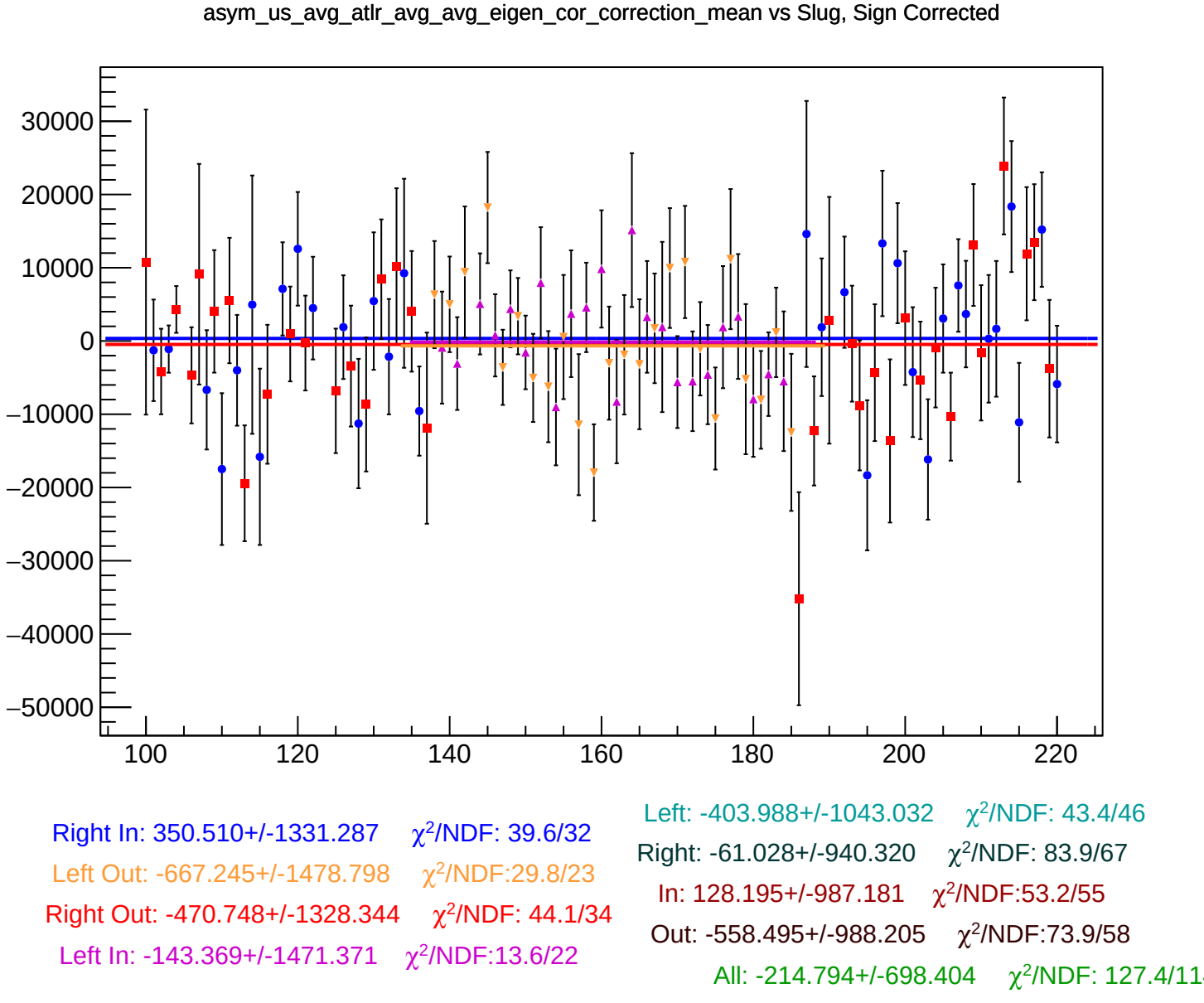
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1827.170+/-0.200 χ^2/NDF: 431595.4/67

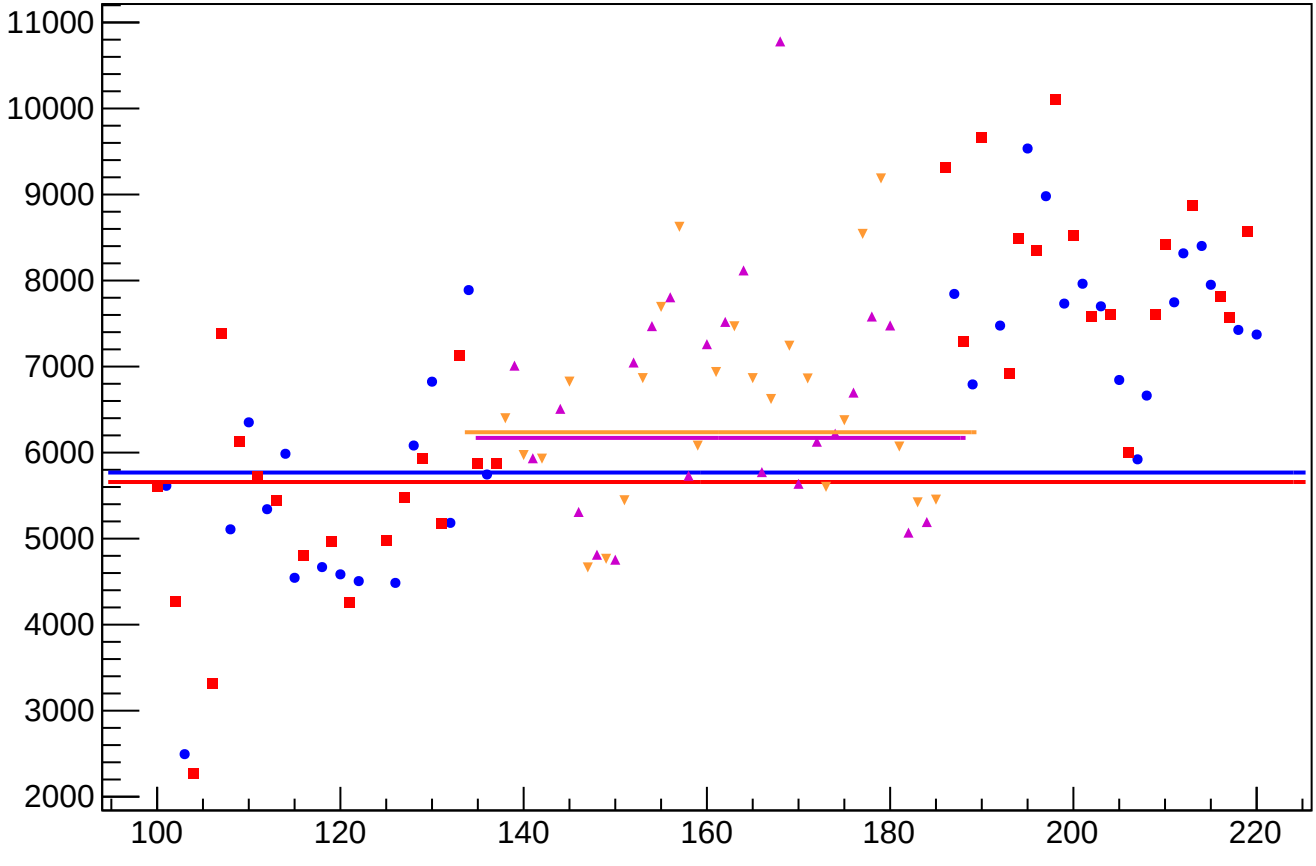
In: 1815.200+/-0.205 χ^2/NDF:329904.7/55

Out: 1817.438+/-0.205 χ^2/NDF:147828.4/58

All: 1816.321+/-0.145 χ^2/NDF: 477792.8/114


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
200
220
Right In: 350.510+/-1331.287 χ²/NDF: 39.6/32
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -470.748+/-1328.344 χ²/NDF: 44.1/34
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -61.028+/-940.320 χ²/NDF: 83.9/67
In: 128.195+/-987.181 χ²/NDF:53.2/55
Out: -558.495+/-988.205 χ²/NDF:73.9/58
All: -214.794+/-698.404 χ²/NDF: 127.4/114

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5768.210+/-0.941 χ^2/NDF: 4229761.6/32

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

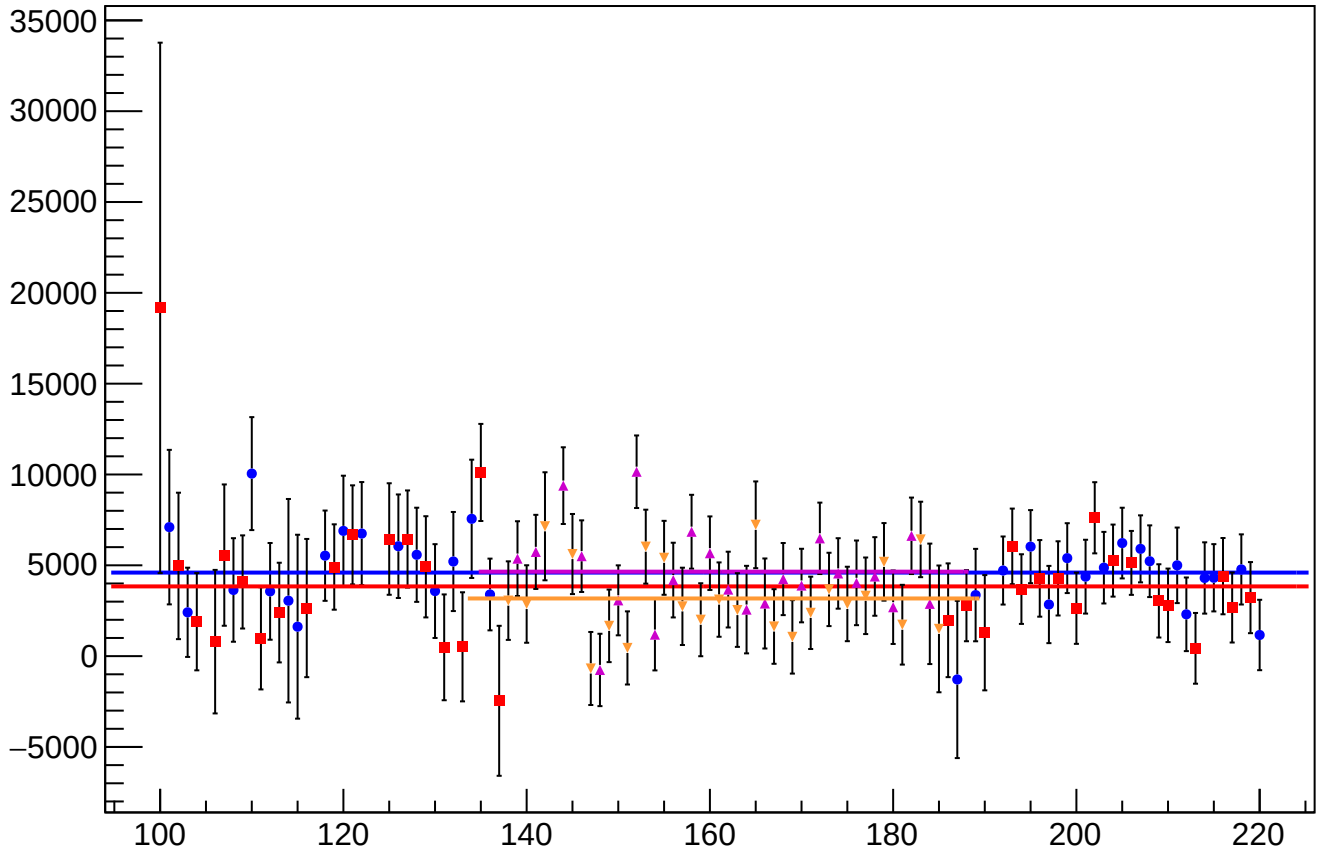
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5713.037+/-0.665 χ^2/NDF: 9537942.9/67

In: 5949.428+/-0.698 χ^2/NDF:5549652.2/55

Out: 5916.452+/-0.699 χ^2/NDF:6538399.7/58

All: 5932.957+/-0.494 χ^2/NDF: 12089166.6/1



Right In: 4599.313+/-405.974 χ^2/NDF: 17.3/32

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3838.782+/-409.183 χ^2/NDF: 29.1/34

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

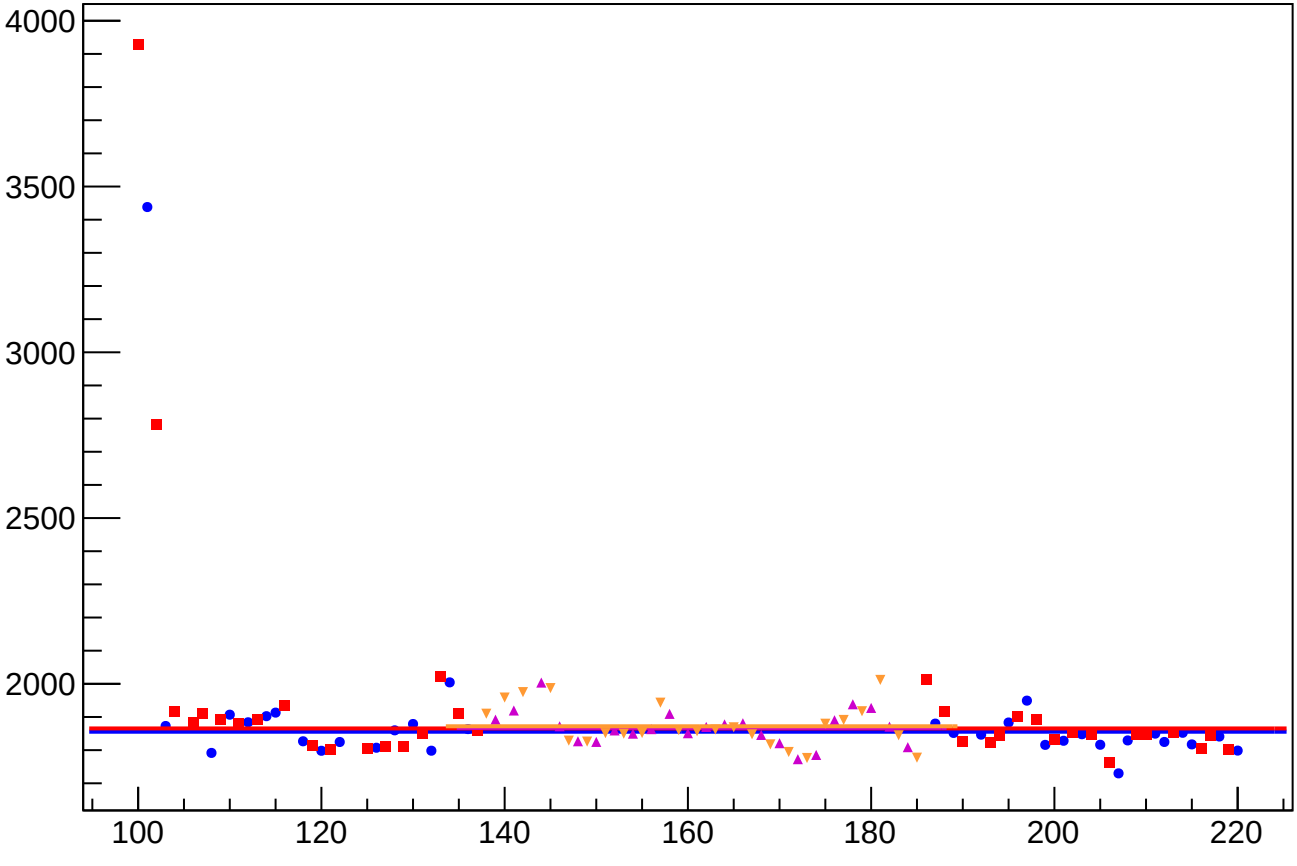
Right: 4222.041+/-288.195 χ^2/NDF: 48.1/67

In: 4623.054+/-297.178 χ^2/NDF:47.8/55

Out: 3526.820+/-297.986 χ^2/NDF:51.9/58

All: 4076.424+/-210.422 χ^2/NDF: 106.5/114

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1855.563+/-0.287 χ^2/NDF: 305473.6/32

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1865.448+/-0.289 χ^2/NDF: 175914.5/34

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

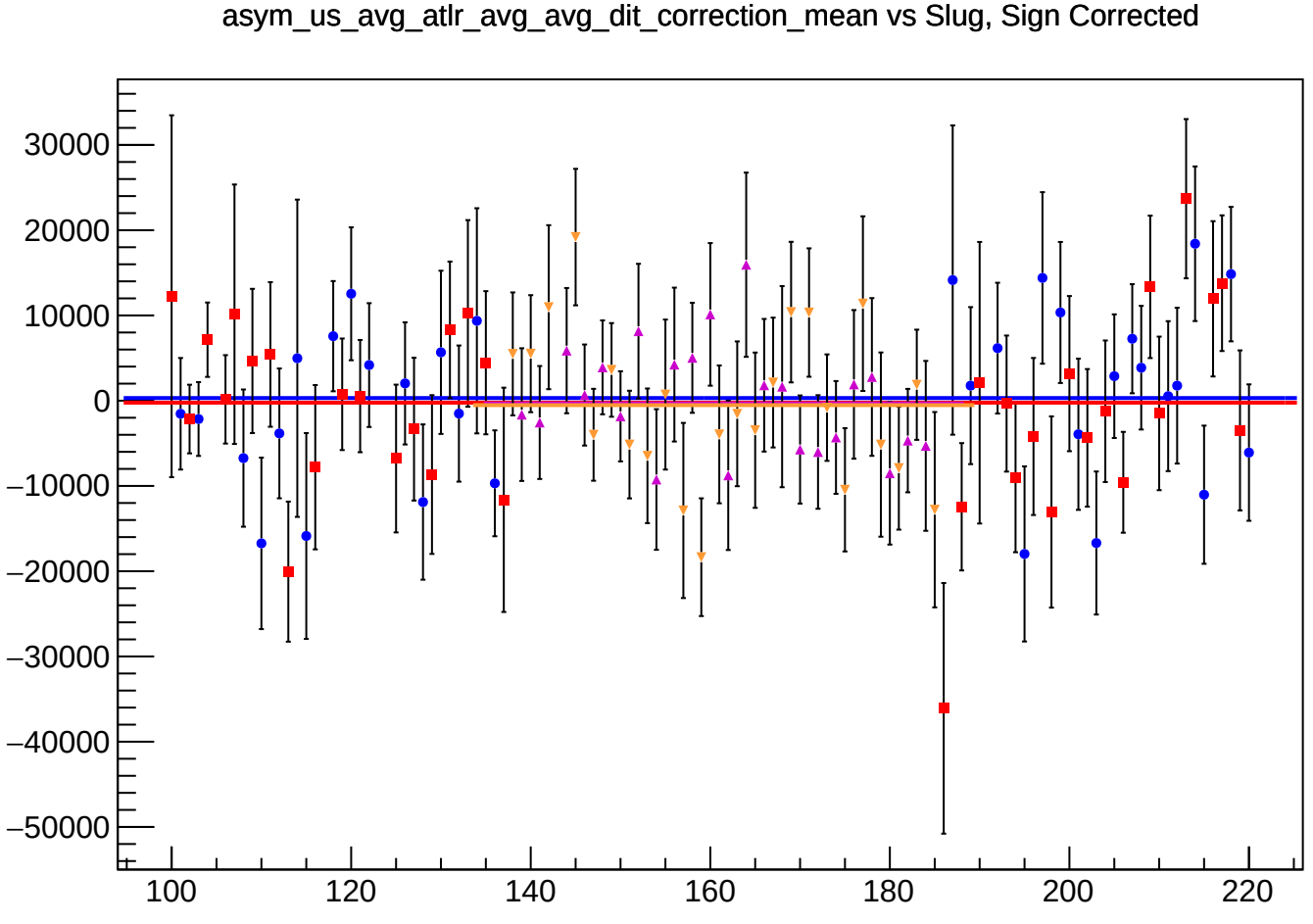
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1860.469+/-0.204 χ^2/NDF: 481976.6/67

In: 1860.908+/-0.210 χ^2/NDF:333467.2/55

Out: 1868.515+/-0.211 χ^2/NDF:213308.7/58

All: 1864.702+/-0.149 χ^2/NDF: 547429.4/114



Right In: 310.593+/-1390.261 χ^2/NDF: 39.2/32

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -229.762+/-1332.211 χ^2/NDF: 44.1/34

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

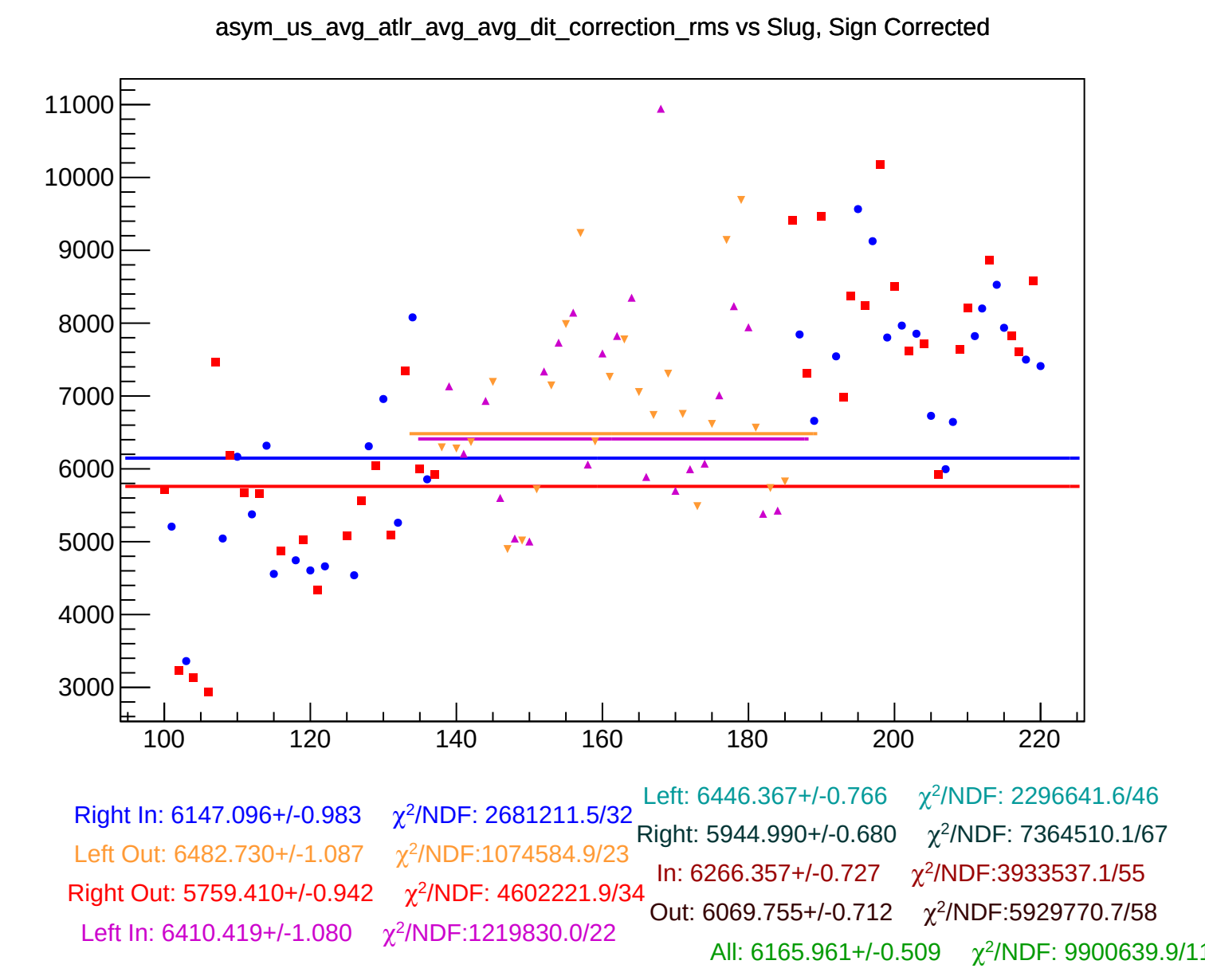
Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

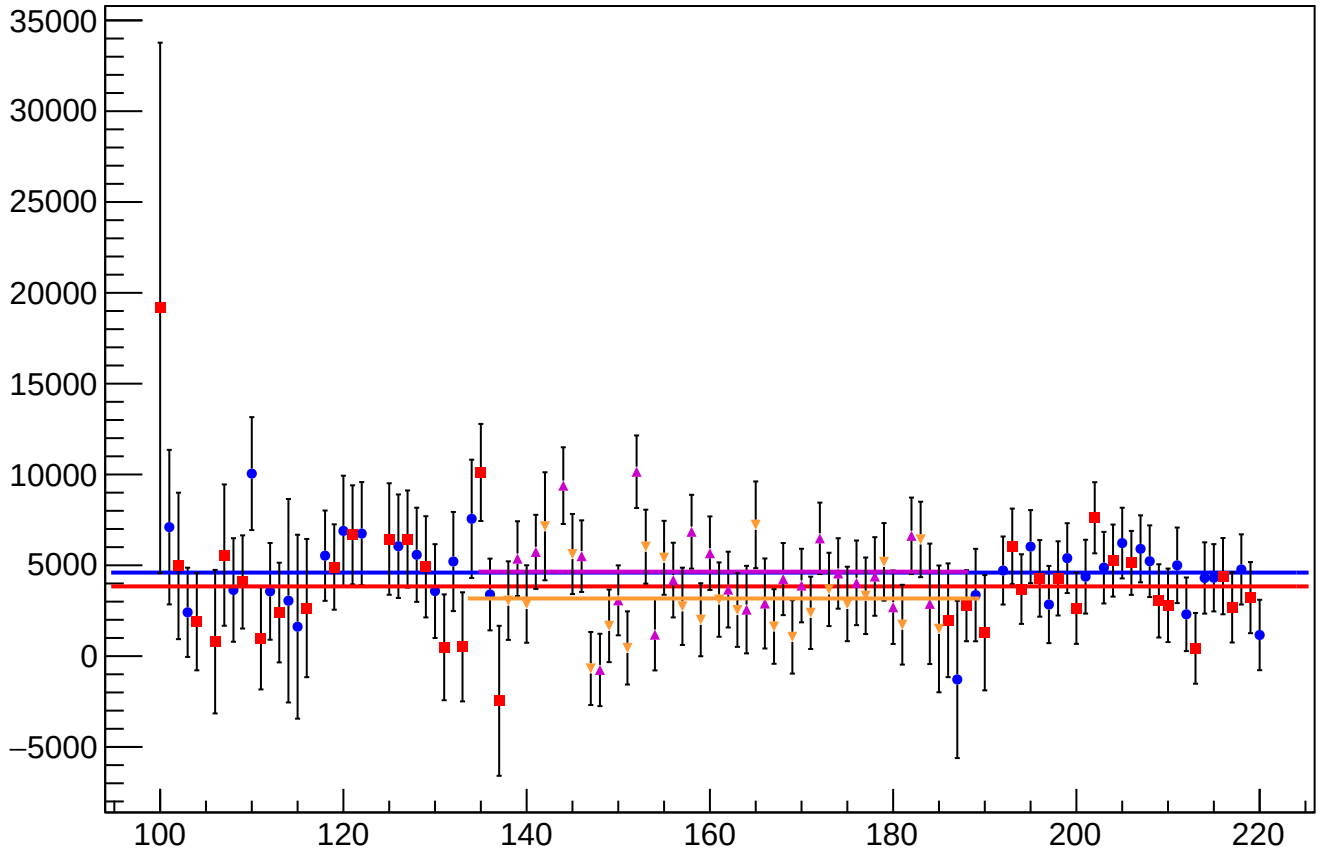
Right: 28.899+/-961.883 χ^2/NDF: 83.3/67

In: 22.898+/-1028.316 χ^2/NDF:52.7/55

Out: -354.403+/-1006.630 χ^2/NDF:73.3/58

All: -169.773+/-719.339 χ^2/NDF: 126.0/114


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
220
Right In: 6147.096+/-0.983 χ²/NDF: 2681211.5/32
Left Out: 6482.730+/-1.087 χ²/NDF:1074584.9/23
Right Out: 5759.410+/-0.942 χ²/NDF: 4602221.9/34
Left In: 6410.419+/-1.080 χ²/NDF:1219830.0/22
Left: 6446.367+/-0.766 χ²/NDF: 2296641.6/46
Right: 5944.990+/-0.680 χ²/NDF: 7364510.1/67
In: 6266.357+/-0.727 χ²/NDF:3933537.1/55
Out: 6069.755+/-0.712 χ²/NDF:5929770.7/58
All: 6165.961+/-0.509 χ²/NDF: 9900639.9/11



Right In: 4599.310+/-405.974 χ^2/NDF: 17.3/32

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3838.781+/-409.182 χ^2/NDF: 29.1/34

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

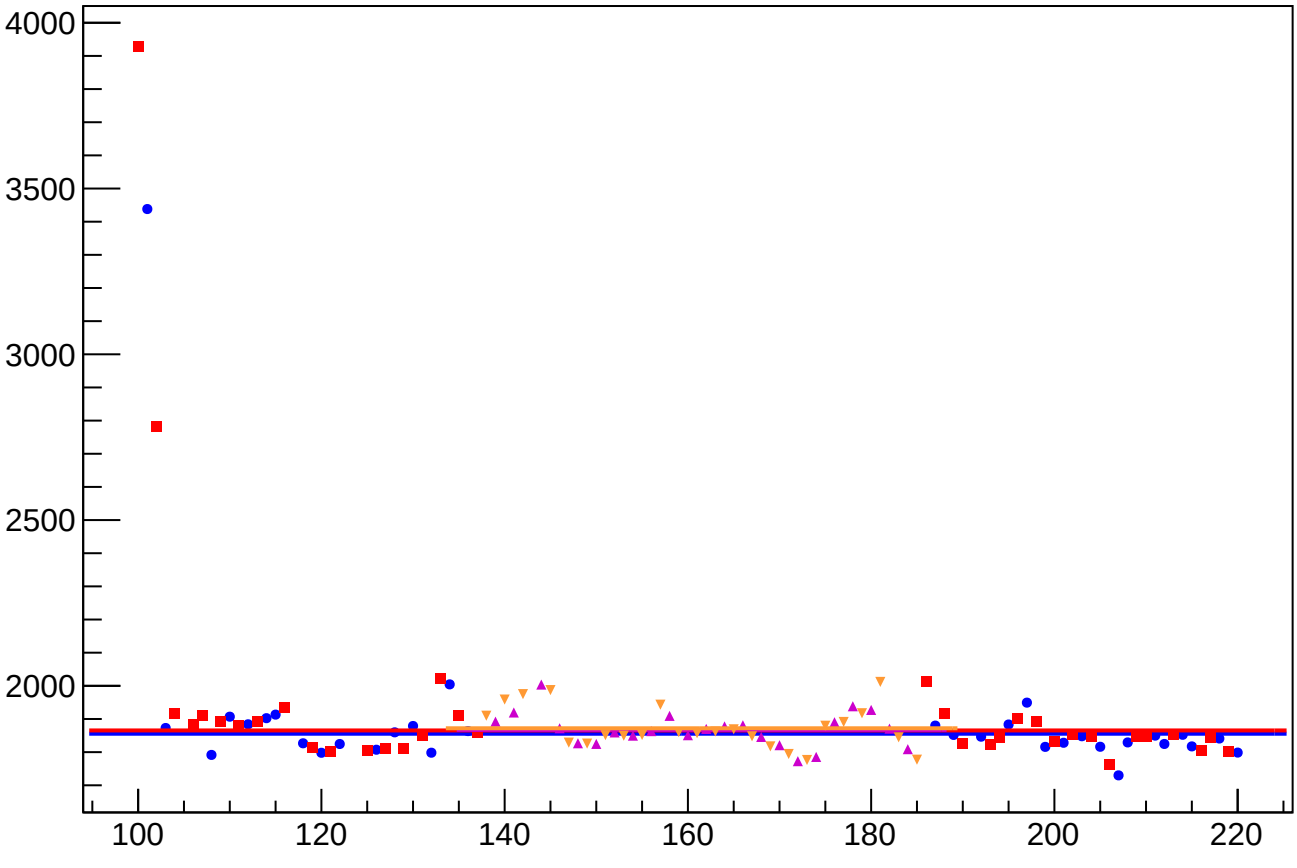
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4222.038+/-288.195 χ^2/NDF: 48.1/67

In: 4623.053+/-297.178 χ^2/NDF:47.8/55

Out: 3526.817+/-297.986 χ^2/NDF:51.9/58

All: 4076.422+/-210.422 χ^2/NDF: 106.5/114



Right In: 1855.563+/-0.287 χ^2/NDF: 305473.6/32

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1865.448+/-0.289 χ^2/NDF: 175913.6/34

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

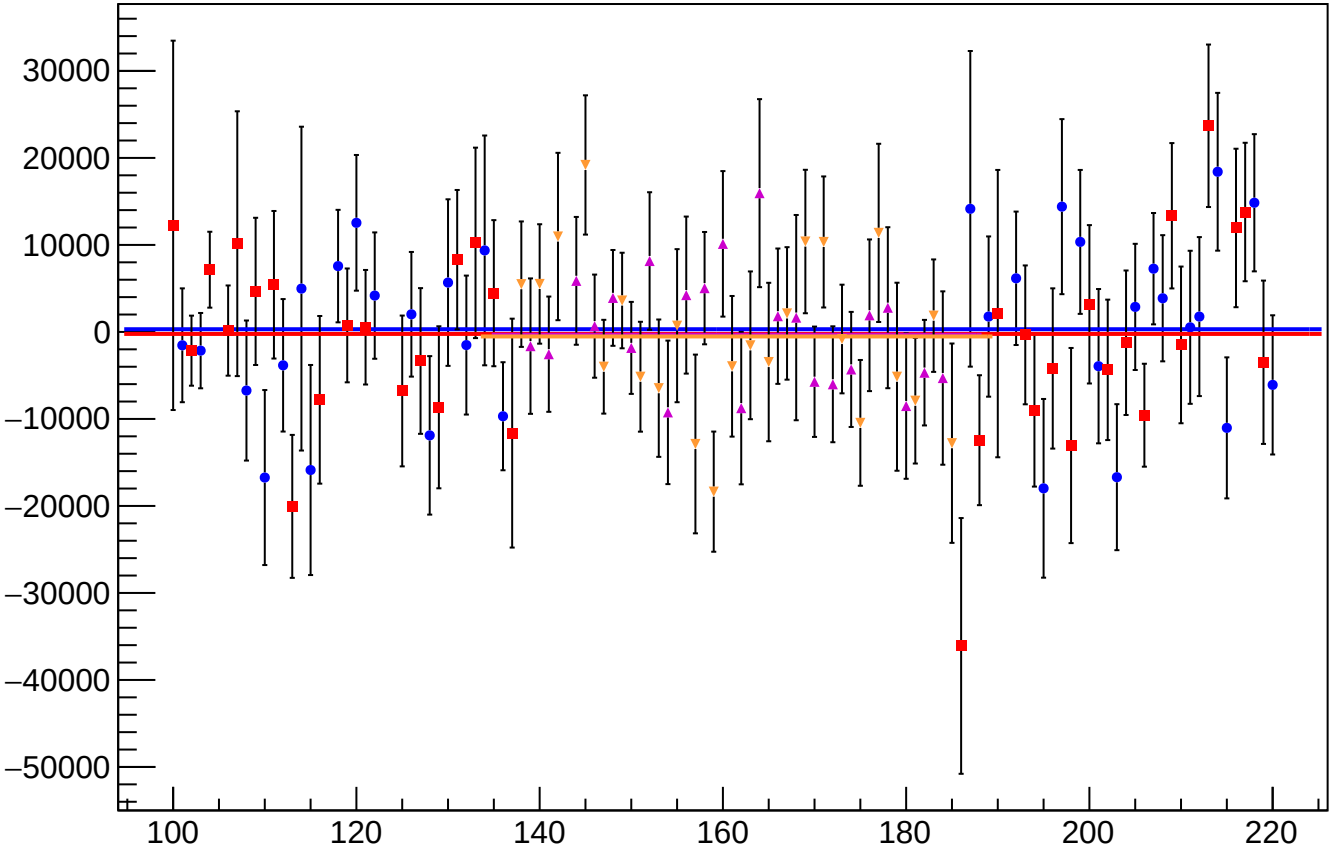
Right: 1860.468+/-0.204 χ^2/NDF: 481975.7/67

In: 1860.909+/-0.210 χ^2/NDF:333468.7/55

Out: 1868.515+/-0.211 χ^2/NDF:213308.9/58

All: 1864.702+/-0.149 χ^2/NDF: 547431.1/114

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 310.593+/-1390.260 χ^2/NDF: 39.2/32

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -229.758+/-1332.209 χ^2/NDF: 44.1/34

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

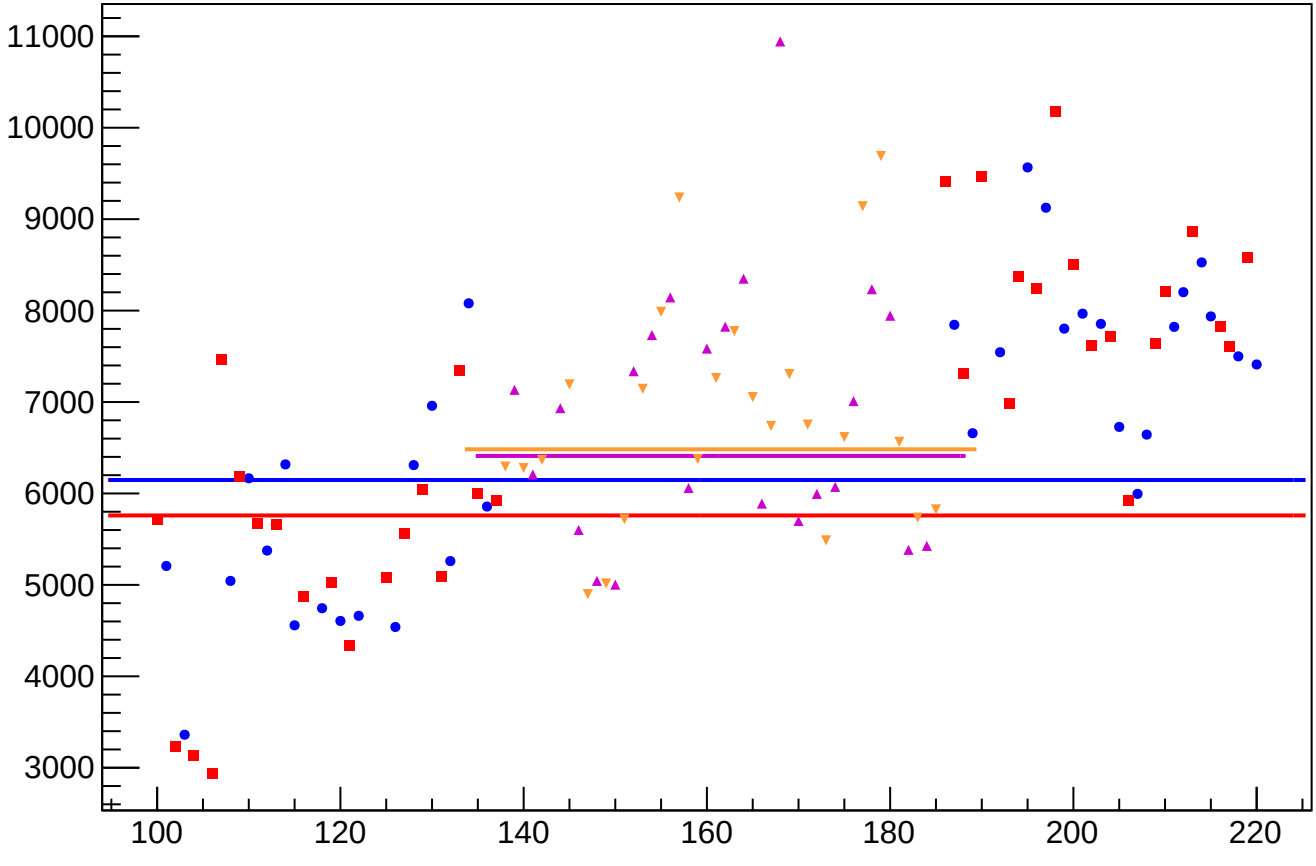
Right: 28.901+/-961.882 χ^2/NDF: 83.3/67

In: 22.898+/-1028.317 χ^2/NDF:52.7/55

Out: -354.402+/-1006.630 χ^2/NDF:73.3/58

All: -169.773+/-719.340 χ^2/NDF: 126.0/114

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6147.090+/-0.983 χ^2/NDF: 2681248.0/32

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5759.401+/-0.942 χ^2/NDF: 4602260.6/34

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

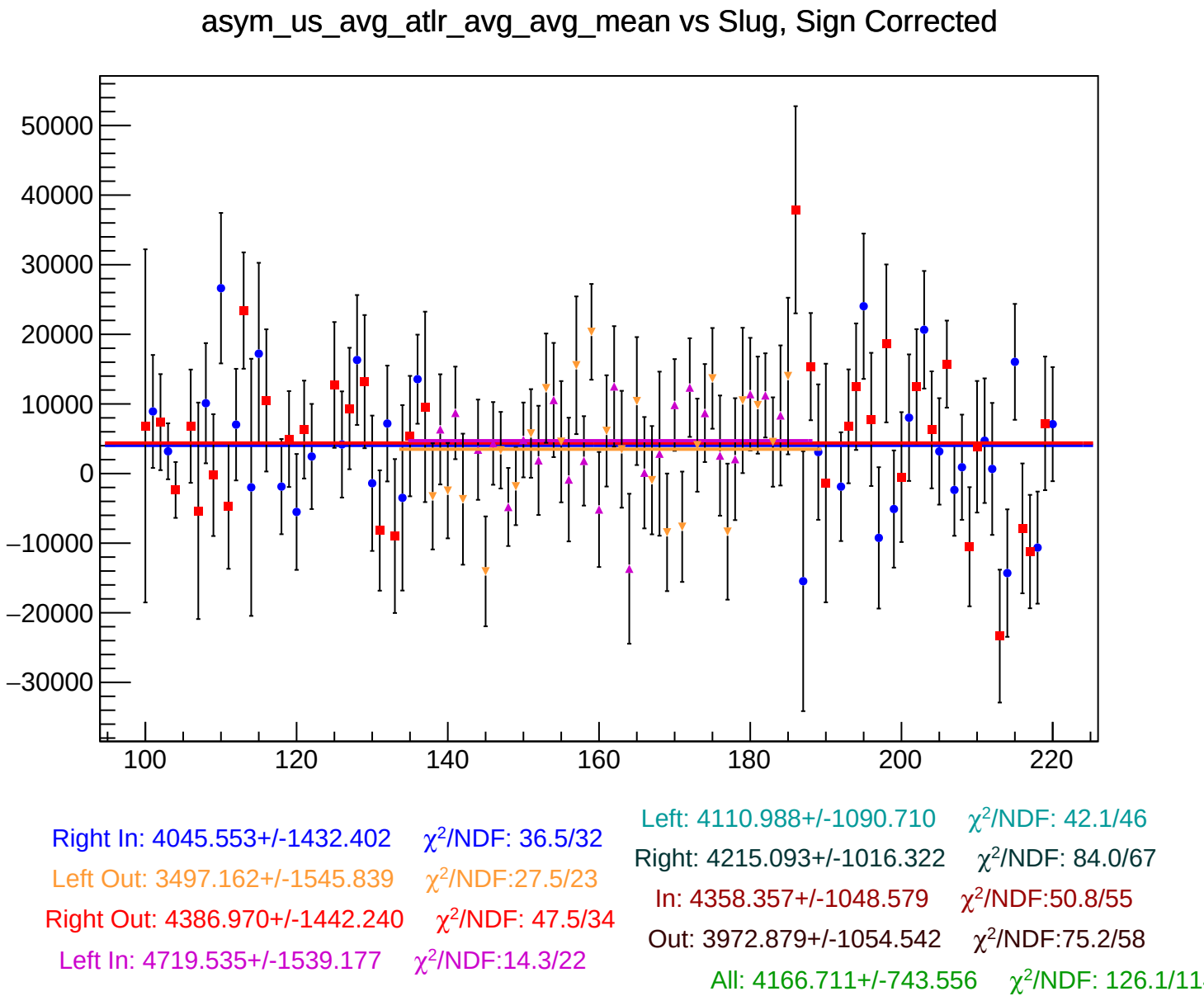
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

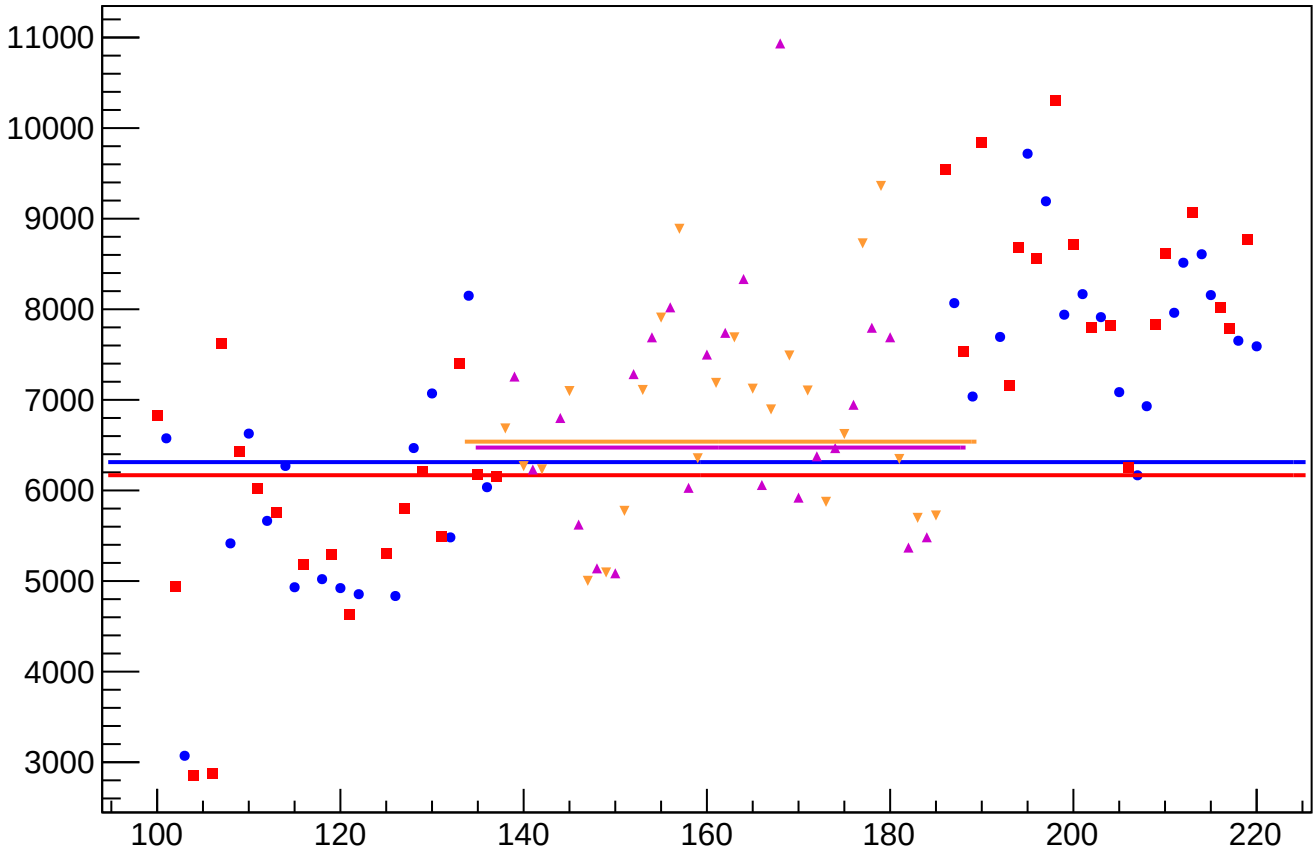
Right: 5944.983+/-0.680 χ^2/NDF: 7364586.5/67

In: 6266.358+/-0.727 χ^2/NDF:3933580.6/55

Out: 6069.753+/-0.712 χ^2/NDF:5929825.2/58

All: 6165.961+/-0.509 χ^2/NDF: 9900738.7/11


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 4045.553+/-1432.402 χ²/NDF: 36.5/32
Left Out: 3497.162+/-1545.839 χ²/NDF:27.5/23
Right Out: 4386.970+/-1442.240 χ²/NDF: 47.5/34
Left In: 4719.535+/-1539.177 χ²/NDF:14.3/22
Left: 4110.988+/-1090.710 χ²/NDF: 42.1/46
Right: 4215.093+/-1016.322 χ²/NDF: 84.0/67
In: 4358.357+/-1048.579 χ²/NDF:50.8/55
Out: 3972.879+/-1054.542 χ²/NDF:75.2/58
All: 4166.711+/-743.556 χ²/NDF: 126.1/114



Right In: 6312.830+/-1.013 χ^2/NDF: 2945999.3/32

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 6168.248+/-1.008 χ^2/NDF: 4066943.6/34

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

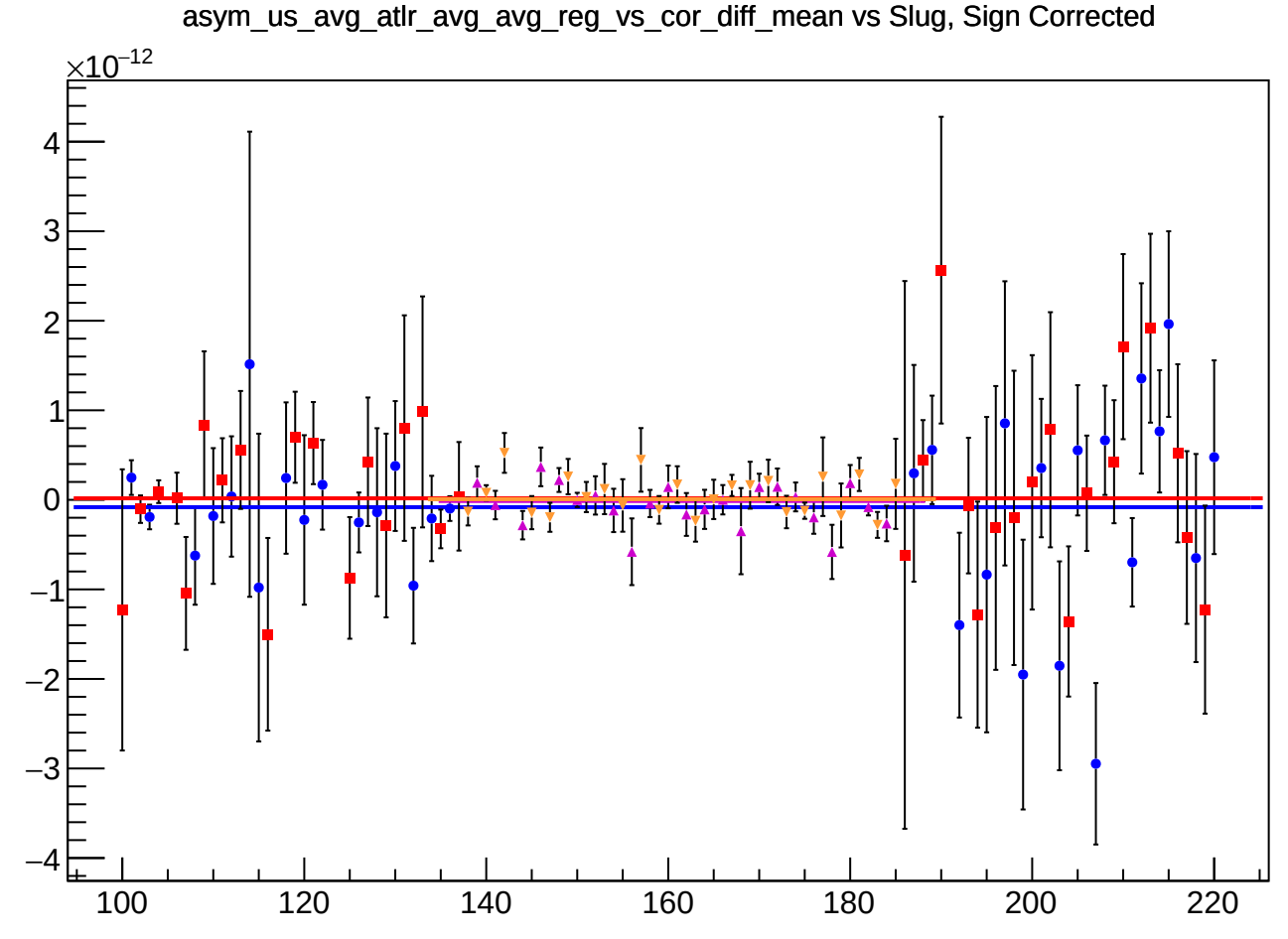
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 6240.198+/-0.715 χ^2/NDF: 7023179.5/67

In: 6387.390+/-0.741 χ^2/NDF:4029432.5/55

Out: 6338.517+/-0.741 χ^2/NDF:5049625.7/58

All: 6362.940+/-0.524 χ^2/NDF: 9081231.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/34

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

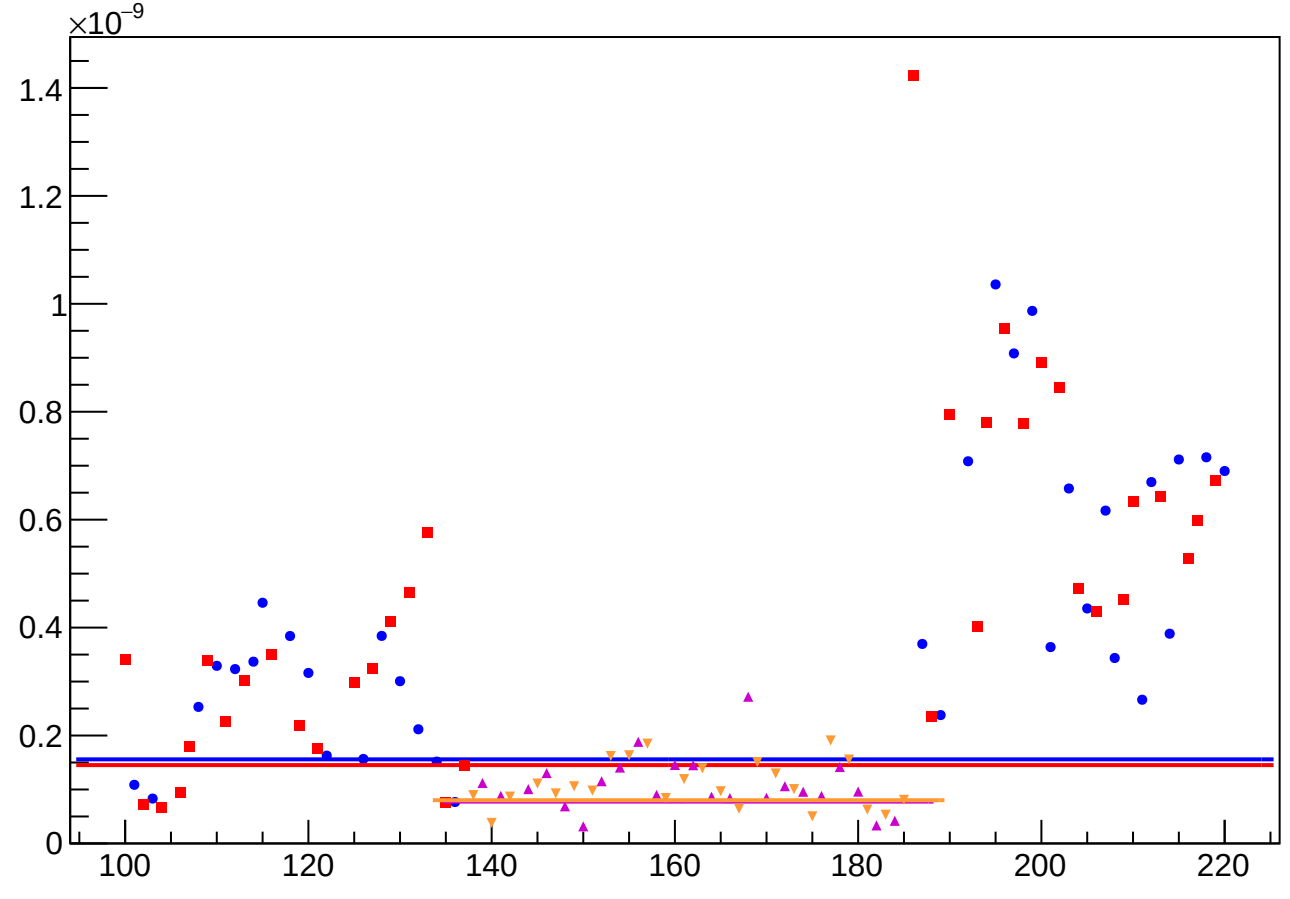
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 71.0/67

In: -0.000+/-0.000 χ^2/NDF:62.1/55

Out: 0.000+/-0.000 χ^2/NDF:59.8/58

All: -0.000+/-0.000 χ^2/NDF: 122.6/114



Right In: 0.000+/-0.000 χ^2/NDF: 8190440.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9186377.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

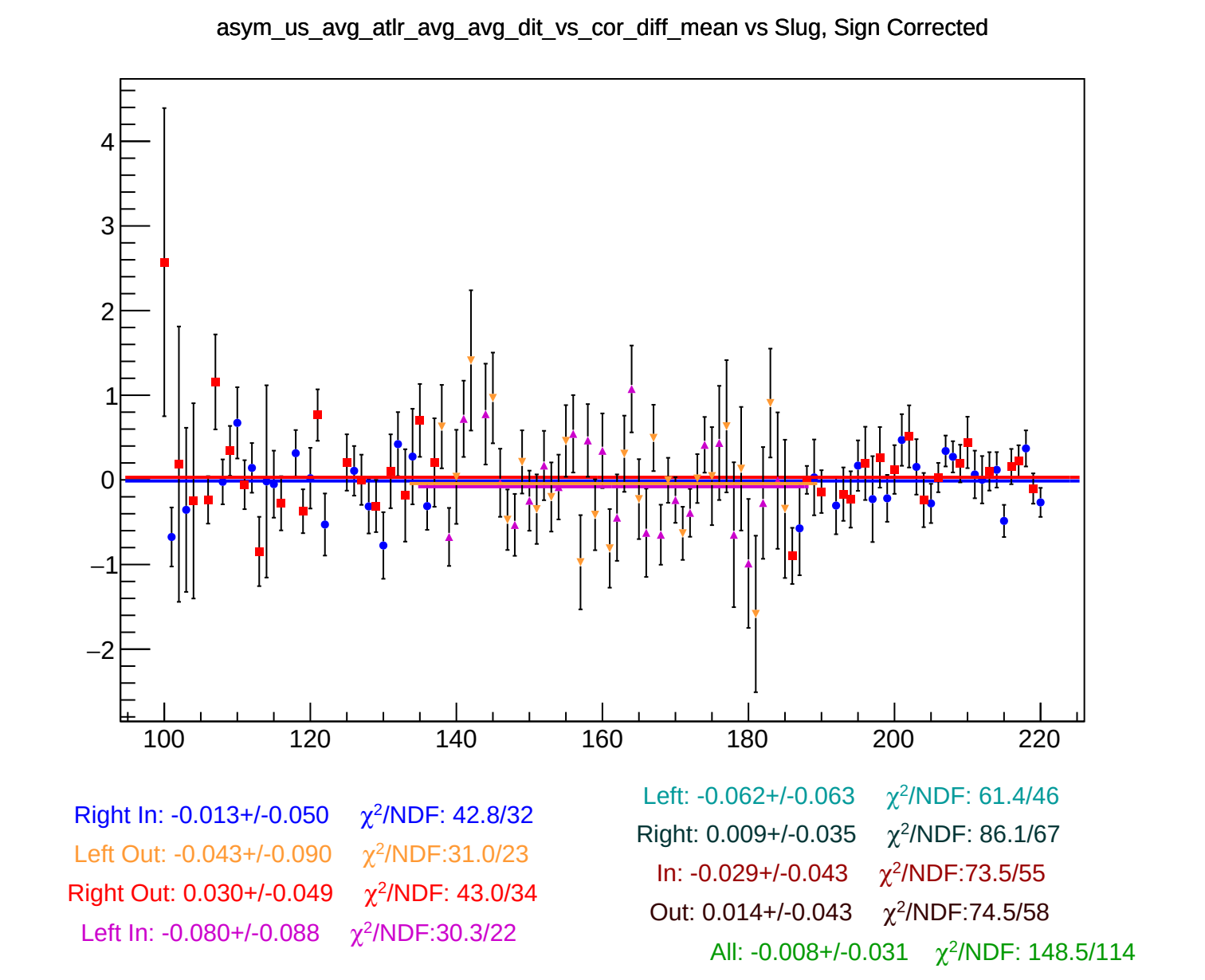
Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

Right: 0.000+/-0.000 χ^2/NDF: 17398076.8/67

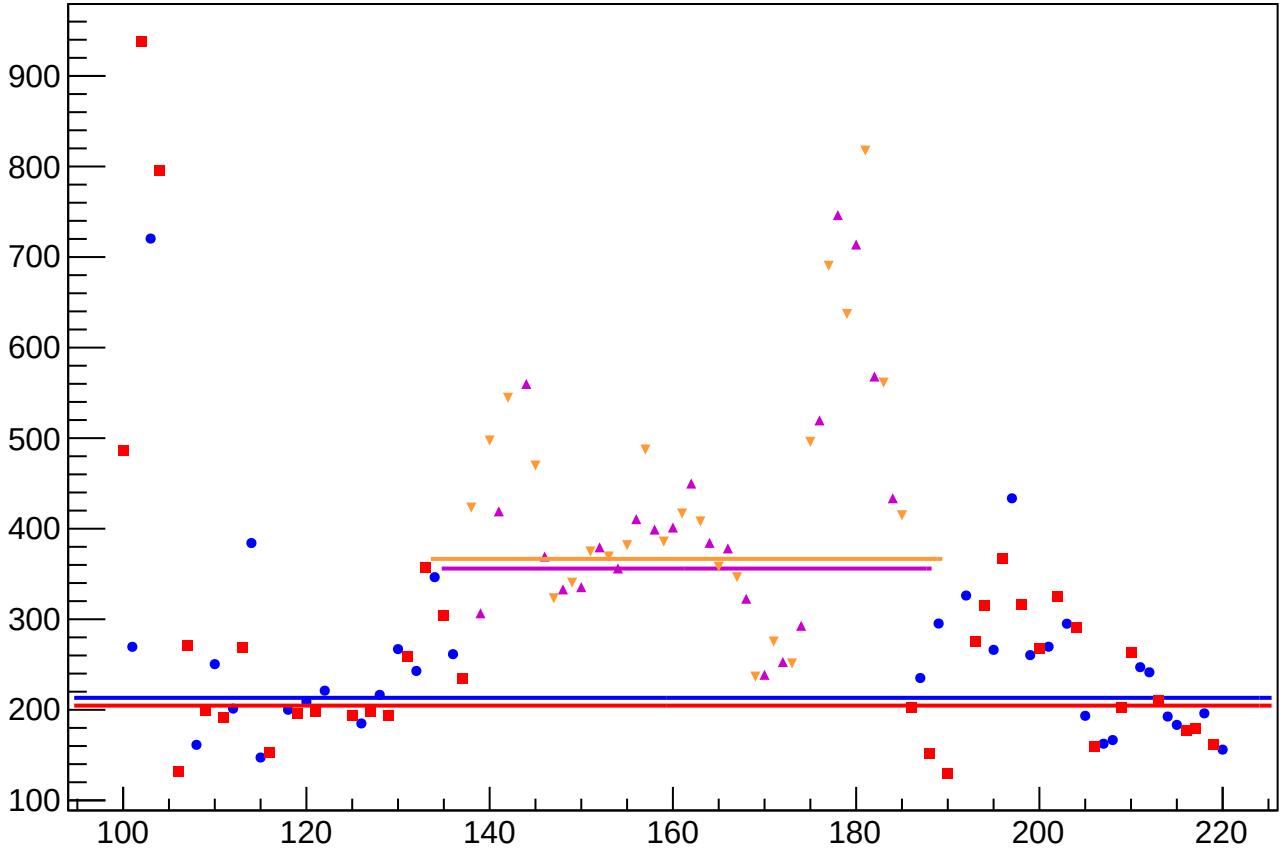
In: 0.000+/-0.000 χ^2/NDF:12722076.0/55

Out: 0.000+/-0.000 χ^2/NDF:12634868.9/58

All: 0.000+/-0.000 χ^2/NDF: 25357181.5/114


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.013+/-0.050 χ²/NDF: 42.8/32
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.030+/-0.049 χ²/NDF: 43.0/34
Left In: -0.080+/-0.088 χ²/NDF:30.3/22
Left: -0.062+/-0.063 χ²/NDF: 61.4/46
Right: 0.009+/-0.035 χ²/NDF: 86.1/67
In: -0.029+/-0.043 χ²/NDF:73.5/55
Out: 0.014+/-0.043 χ²/NDF:74.5/58
All: -0.008+/-0.031 χ²/NDF: 148.5/114

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 213.223+/-0.035 χ^2/NDF: 2675628.2/32

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

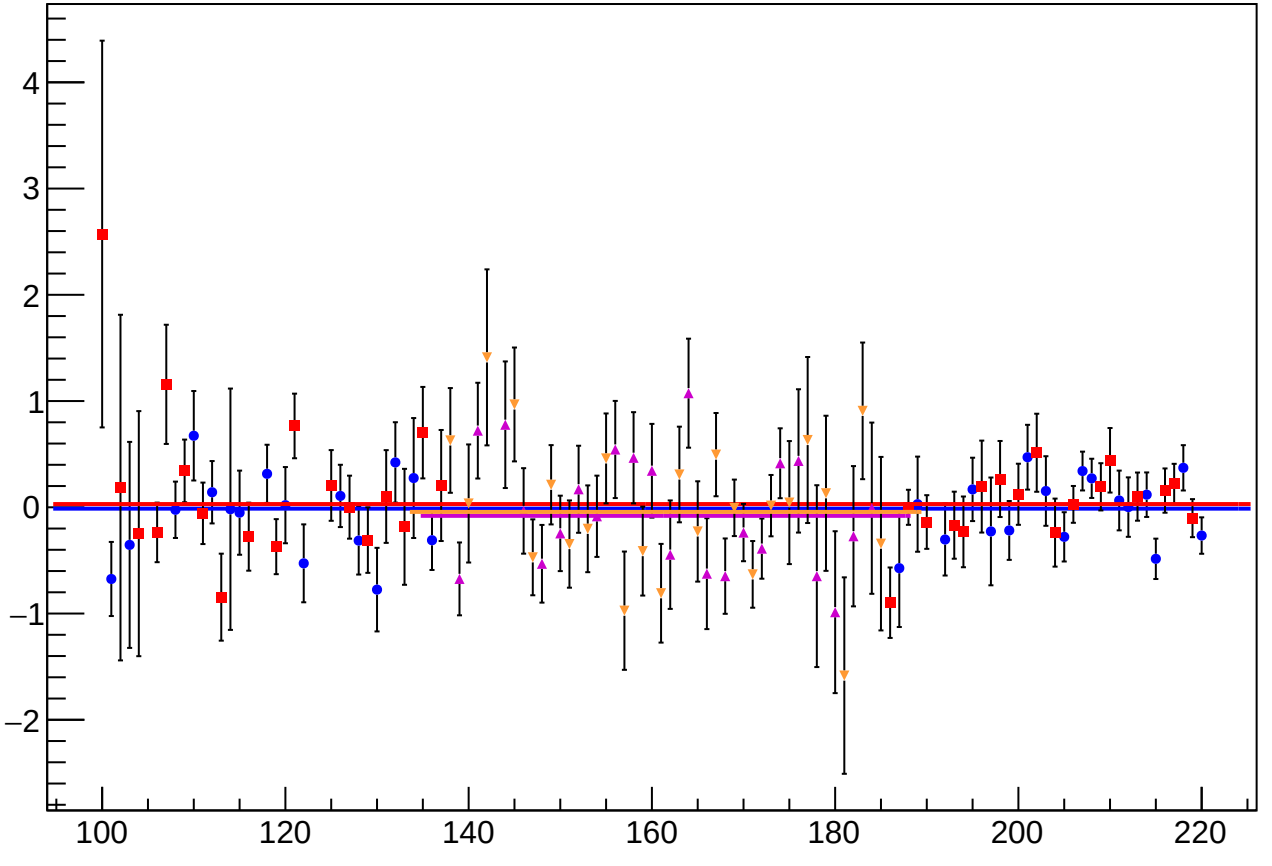
Right: 208.836+/-0.025 χ^2/NDF: 6300207.4/67

In: 248.056+/-0.031 χ^2/NDF:9097270.9/55

Out: 241.176+/-0.030 χ^2/NDF:11405800.5/58

All: 244.584+/-0.022 χ^2/NDF: 20528487.6/11

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.050 χ^2/NDF: 42.8/32

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

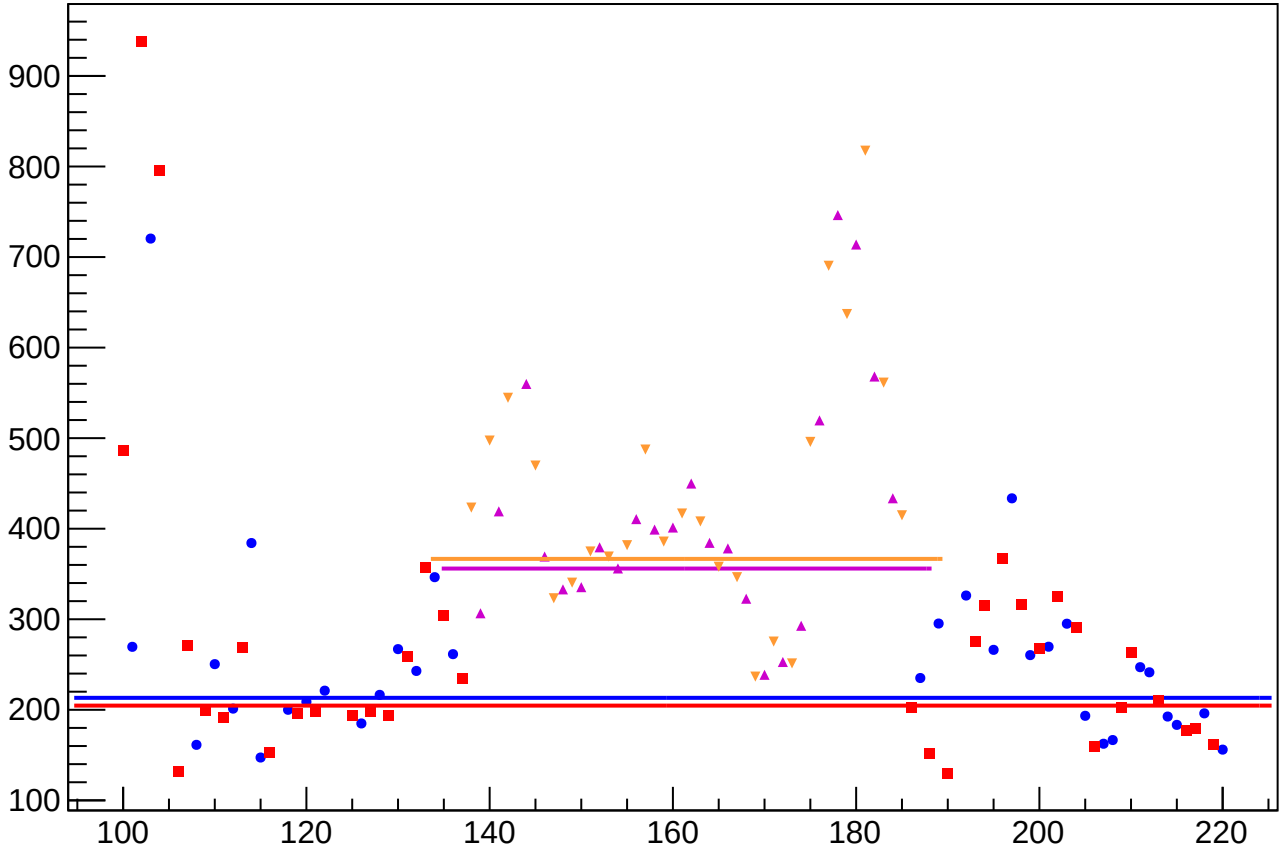
Right: 0.009+/-0.035 χ^2/NDF: 86.1/67

In: -0.029+/-0.043 χ^2/NDF:73.5/55

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: -0.008+/-0.031 χ^2/NDF: 148.5/114

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 213.223+/-0.035 χ^2/NDF: 2675628.2/32

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

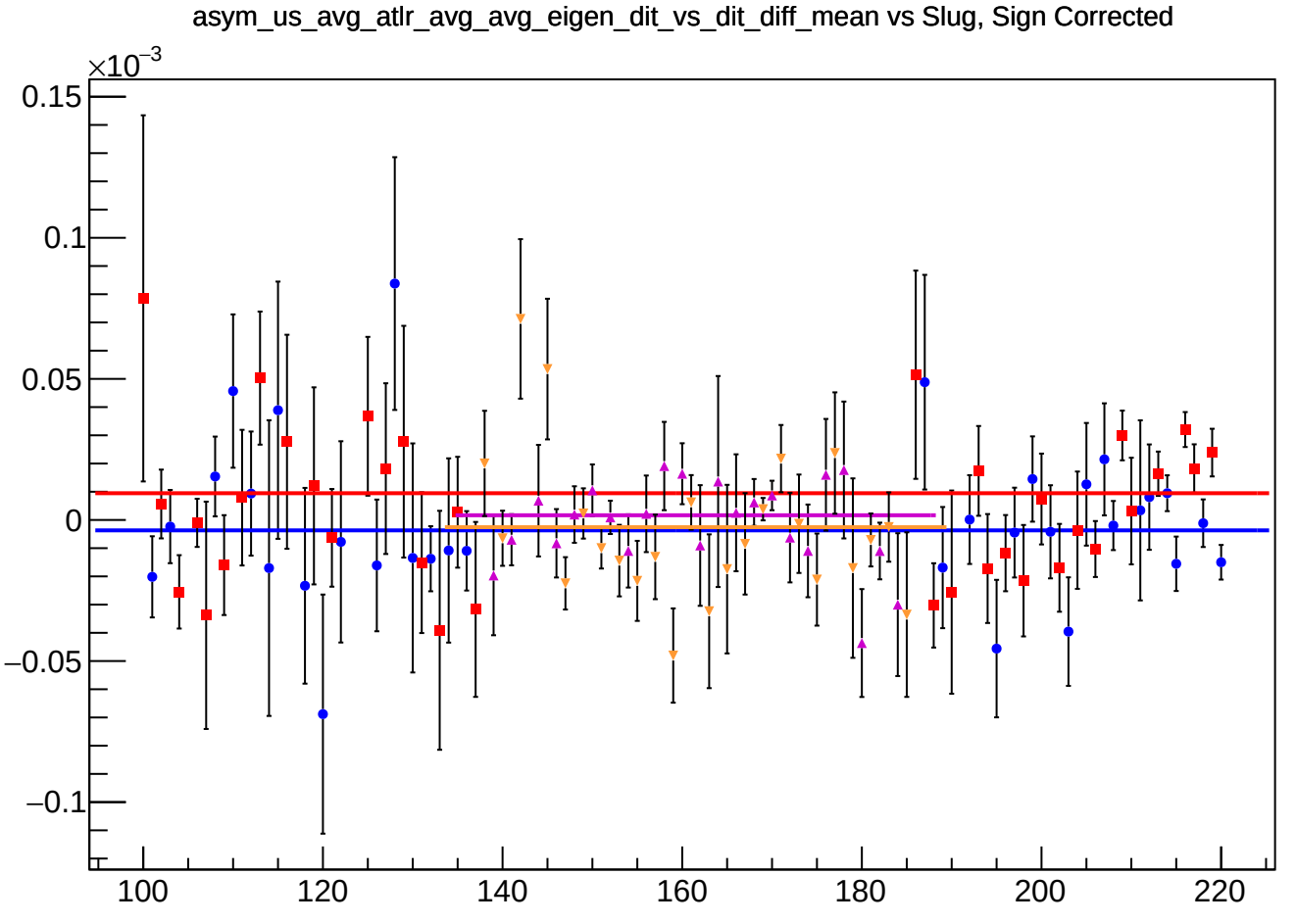
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 208.836+/-0.025 χ^2/NDF: 6300207.4/67

In: 248.056+/-0.031 χ^2/NDF:9097270.9/55

Out: 241.176+/-0.030 χ^2/NDF:11405800.5/58

All: 244.584+/-0.022 χ^2/NDF: 20528487.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 69.9/34

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

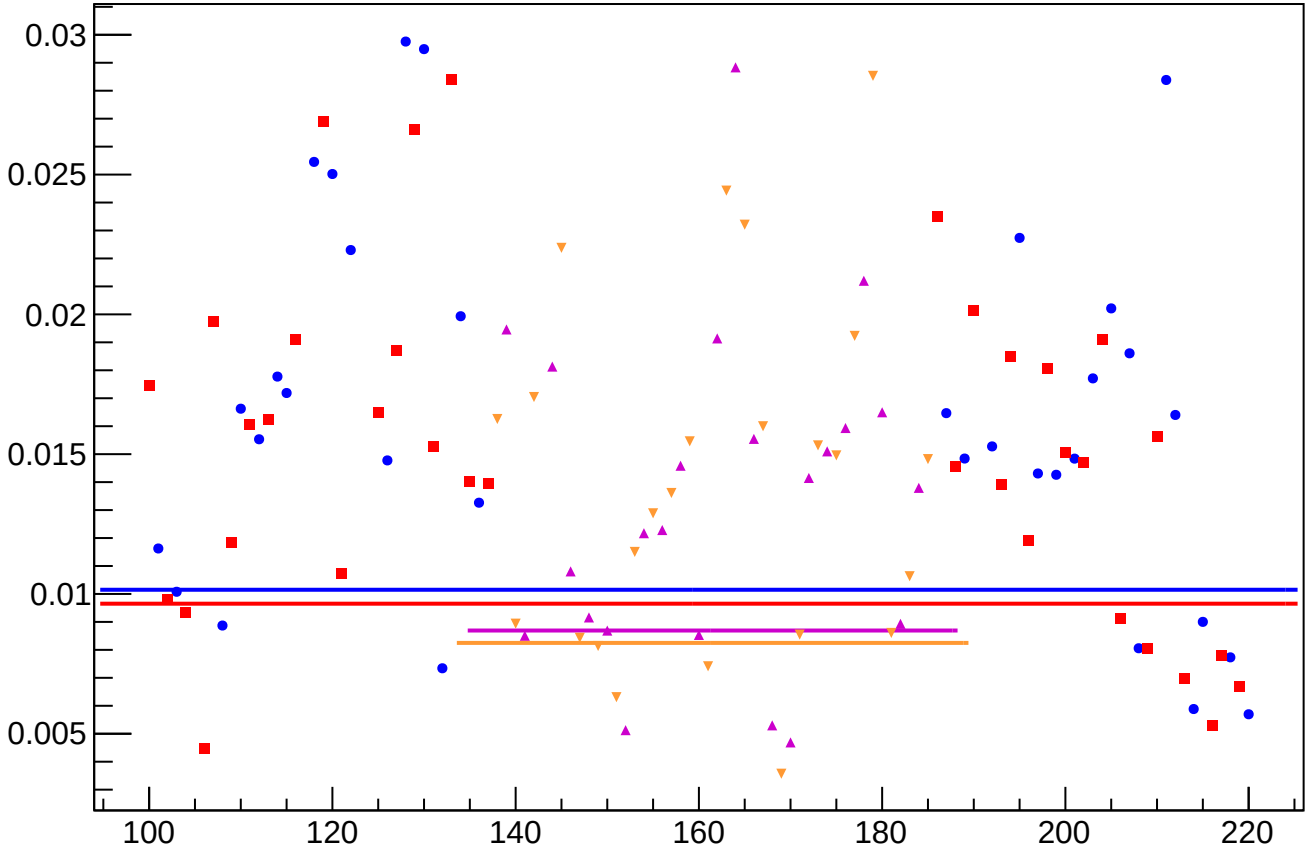
Right: 0.000+/-0.000 χ^2/NDF: 122.2/67

In: -0.000+/-0.000 χ^2/NDF:61.0/55

Out: 0.000+/-0.000 χ^2/NDF:126.7/58

All: 0.000+/-0.000 χ^2/NDF: 190.5/114

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 8123930.3/32

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.010+/-0.000 χ^2/NDF: 7442503.4/34

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

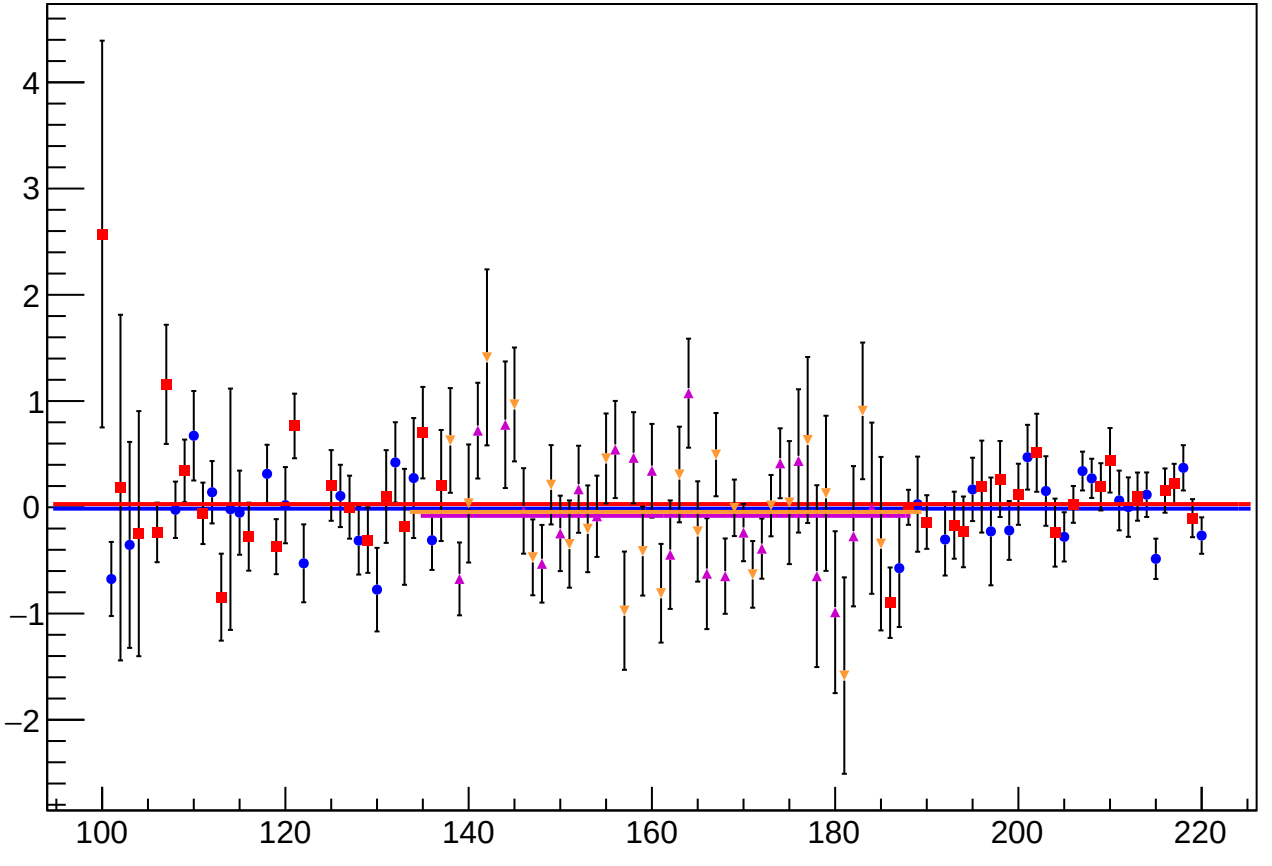
Right: 0.010+/-0.000 χ^2/NDF: 15607861.3/67

In: 0.009+/-0.000 χ^2/NDF:15359624.7/55

Out: 0.009+/-0.000 χ^2/NDF:16683833.0/58

All: 0.009+/-0.000 χ^2/NDF: 32119909.4/114

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.050 χ^2/NDF: 42.8/32

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

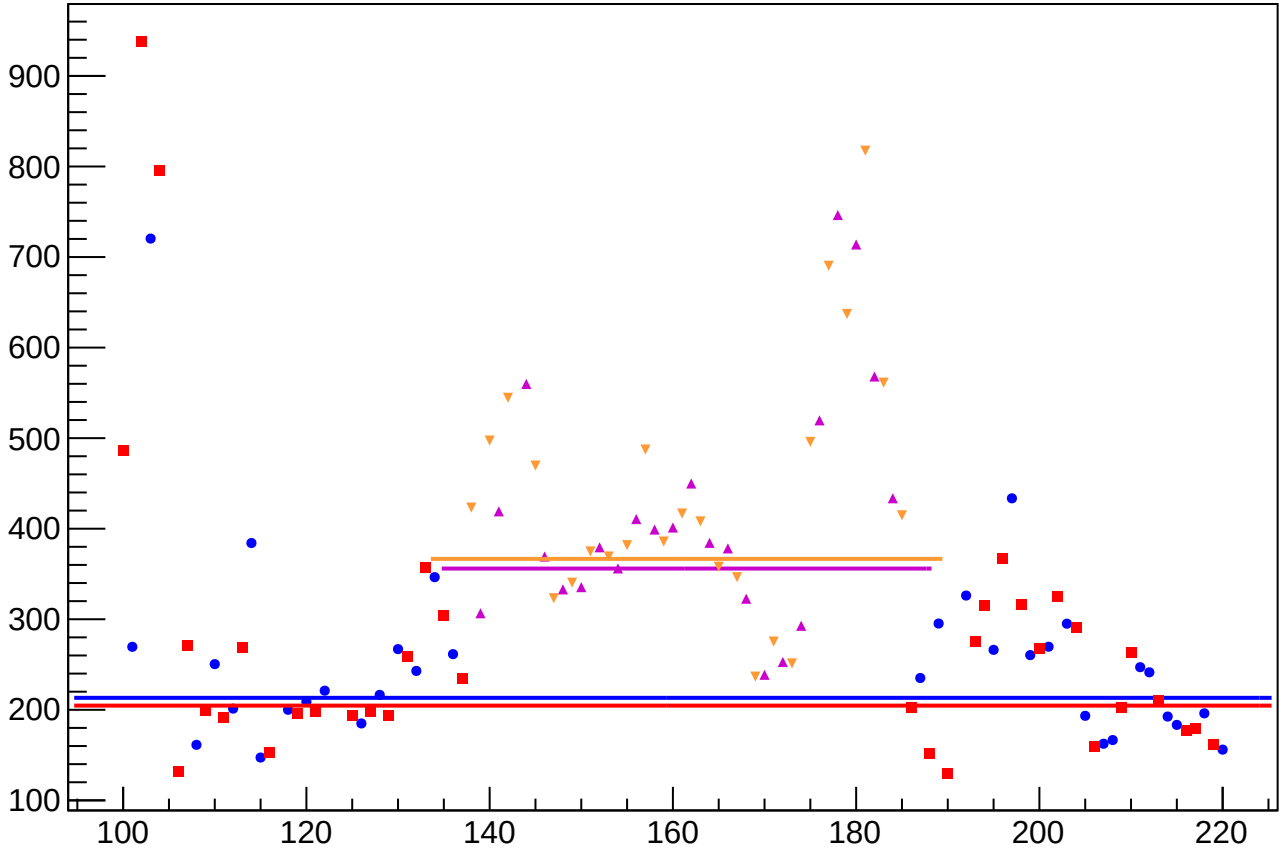
Right: 0.009+/-0.035 χ^2/NDF: 86.1/67

In: -0.029+/-0.043 χ^2/NDF:73.5/55

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: -0.008+/-0.031 χ^2/NDF: 148.5/114

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 213.222+/-0.035 χ^2/NDF: 2675650.6/32

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 204.629+/-0.035 χ^2/NDF: 3594318.2/34

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

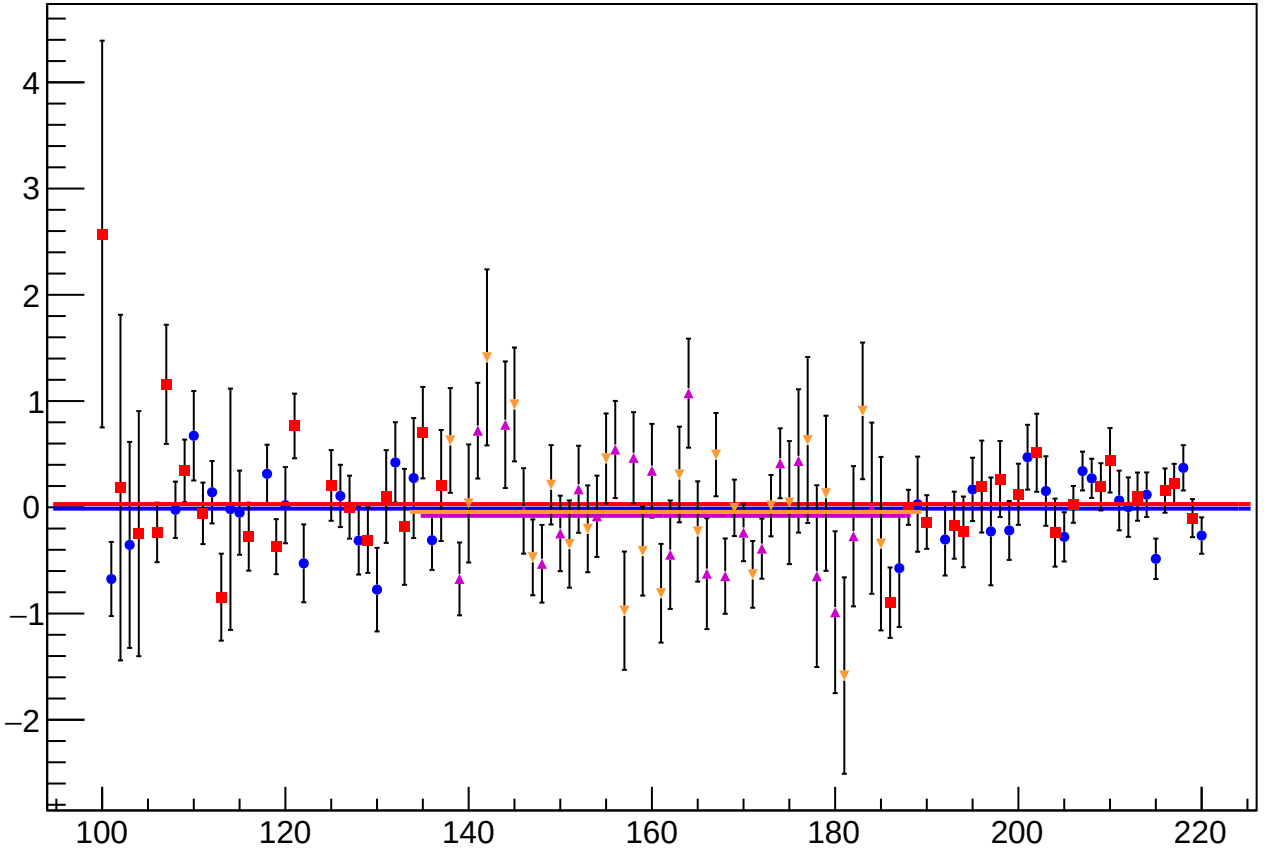
Right: 208.834+/-0.025 χ^2/NDF: 6300303.3/67

In: 248.055+/-0.031 χ^2/NDF:9097557.5/55

Out: 241.173+/-0.030 χ^2/NDF:11406244.0/58

All: 244.582+/-0.022 χ^2/NDF: 20529230.6/11

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.050 χ^2/NDF: 42.8/32

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

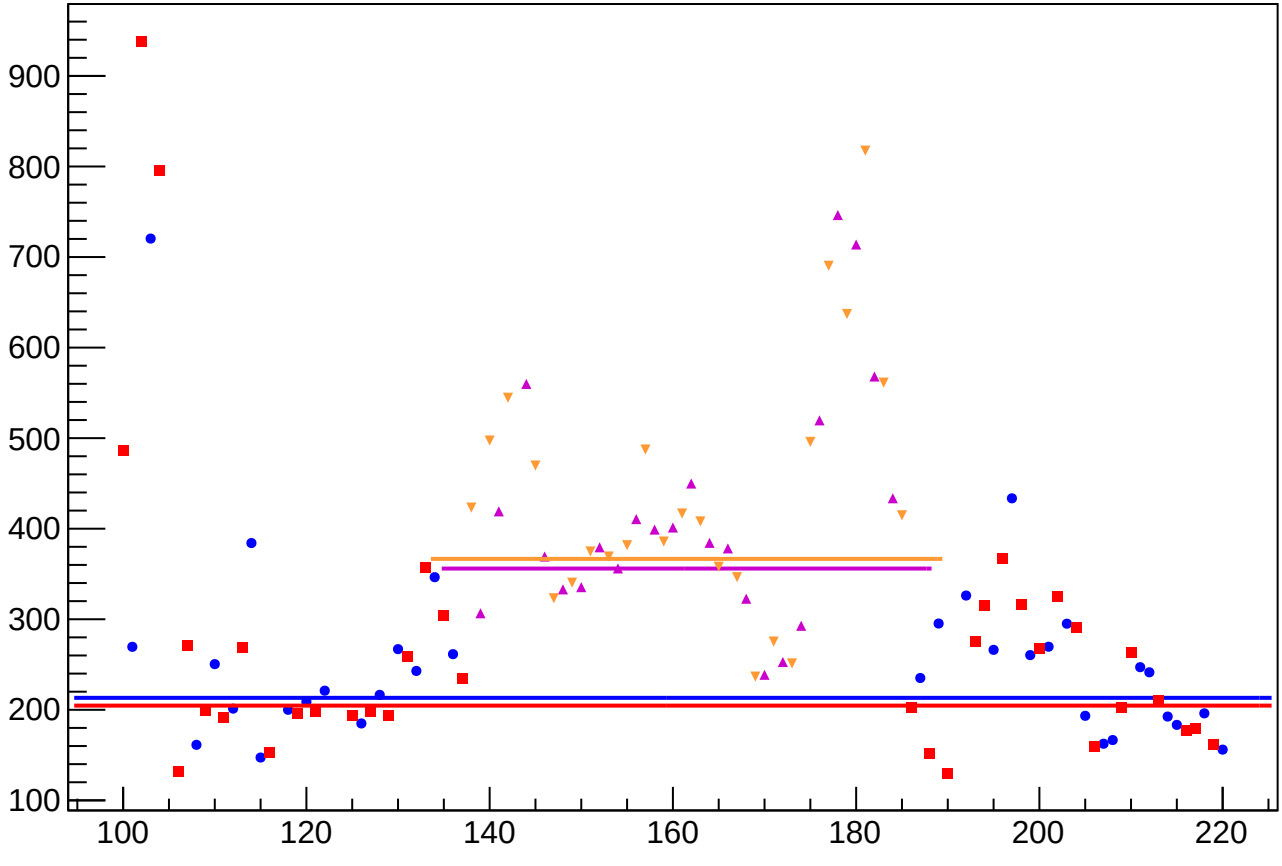
Right: 0.009+/-0.035 χ^2/NDF: 86.1/67

In: -0.029+/-0.043 χ^2/NDF:73.5/55

Out: 0.014+/-0.043 χ^2/NDF:74.5/58

All: -0.008+/-0.031 χ^2/NDF: 148.5/114

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 213.222+/-0.035 χ^2/NDF: 2675650.6/32

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 204.629+/-0.035 χ^2/NDF: 3594318.2/34

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

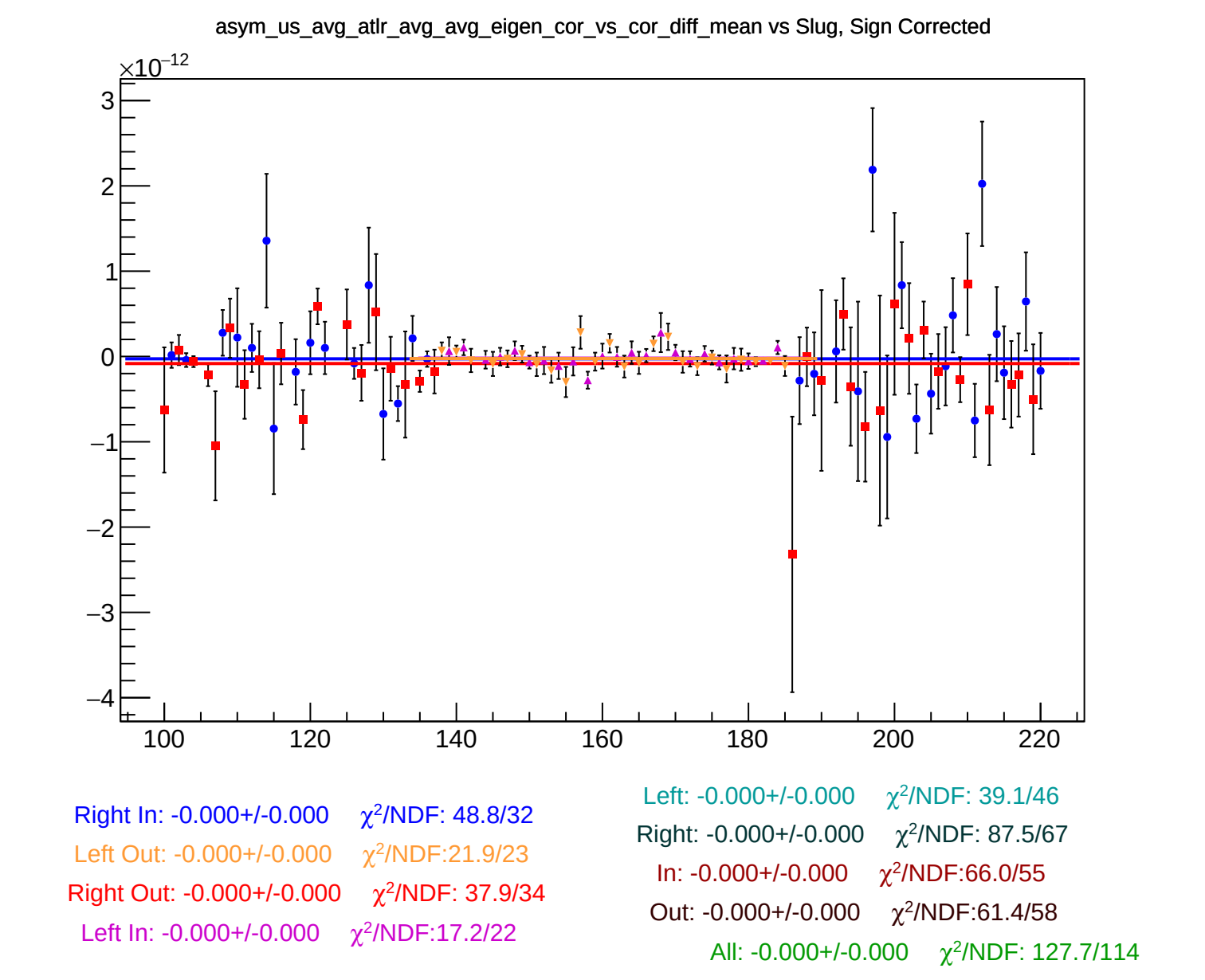
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 208.834+/-0.025 χ^2/NDF: 6300303.3/67

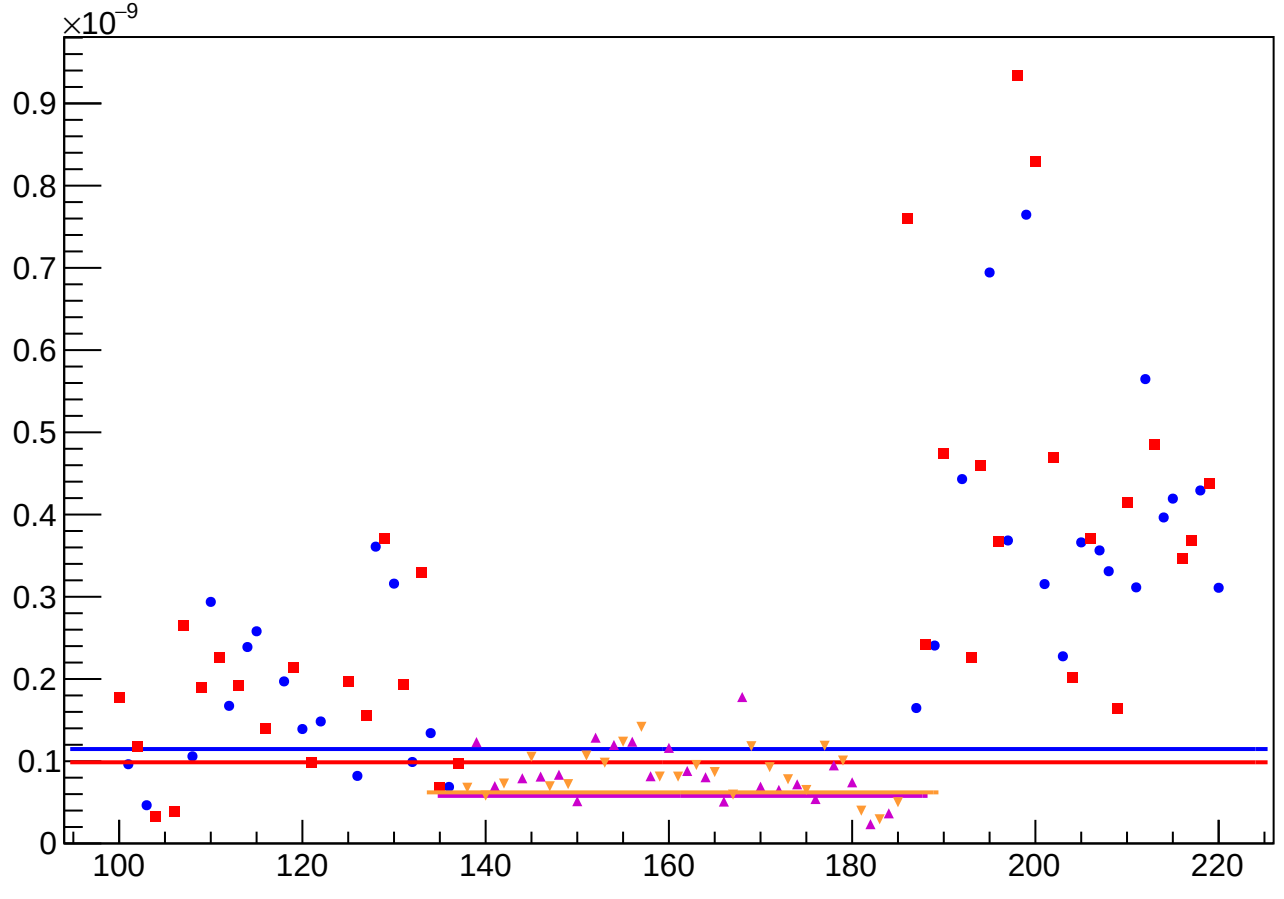
In: 248.055+/-0.031 χ^2/NDF:9097557.5/55

Out: 241.173+/-0.030 χ^2/NDF:11406244.0/58

All: 244.582+/-0.022 χ^2/NDF: 20529230.6/11


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 48.8/32
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 37.9/34
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: 87.5/67
In: -0.000+/-0.000 χ²/NDF:66.0/55
Out: -0.000+/-0.000 χ²/NDF:61.4/58
All: -0.000+/-0.000 χ²/NDF: 127.7/114

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11052206.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12876428.8/34

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

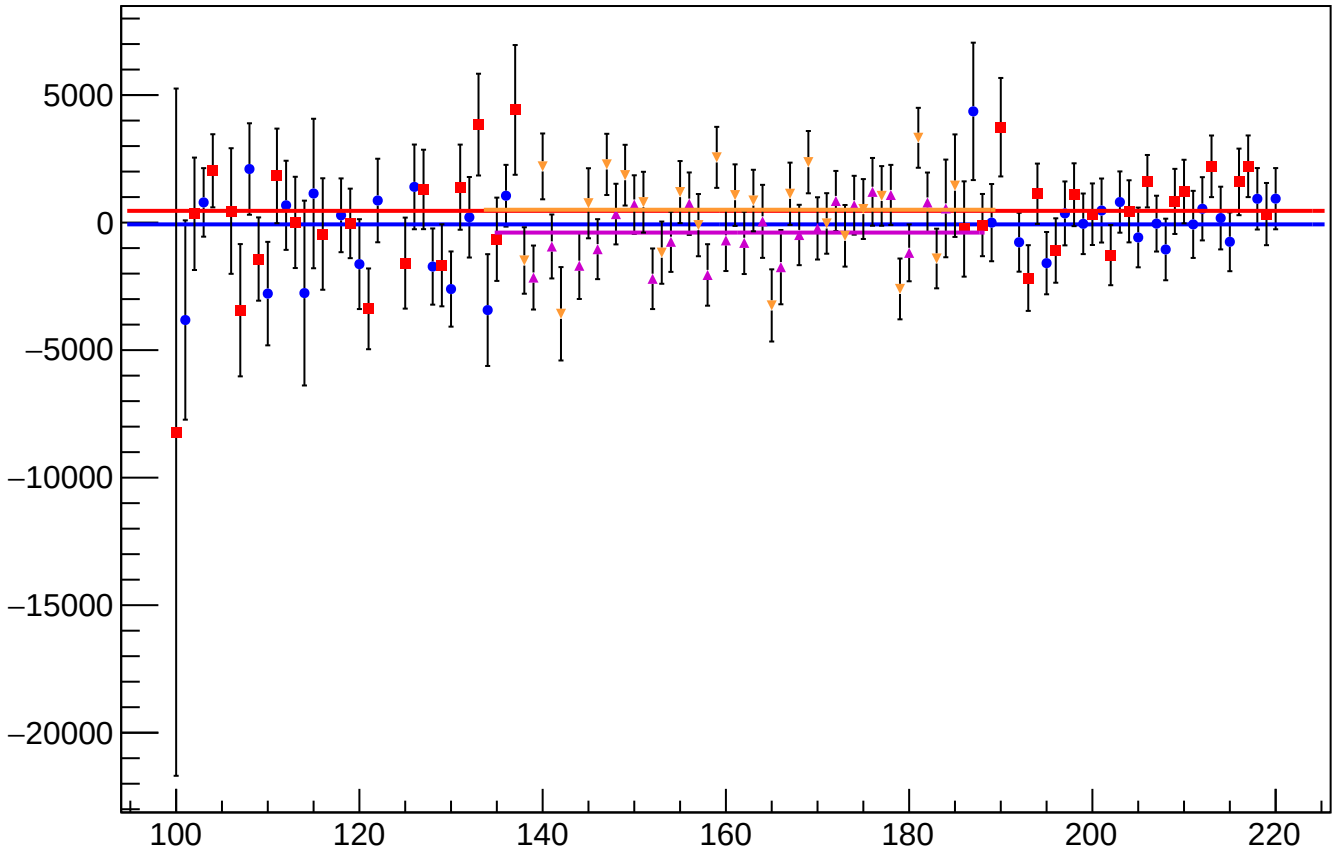
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 24069599.3/67

In: 0.000+/-0.000 χ^2/NDF:19397185.8/55

Out: 0.000+/-0.000 χ^2/NDF:18250922.3/58

All: 0.000+/-0.000 χ^2/NDF: 37665623.4/114



Right In: -69.873+/-247.118 χ^2/NDF: 23.2/32

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 460.110+/-248.980 χ^2/NDF: 39.8/34

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

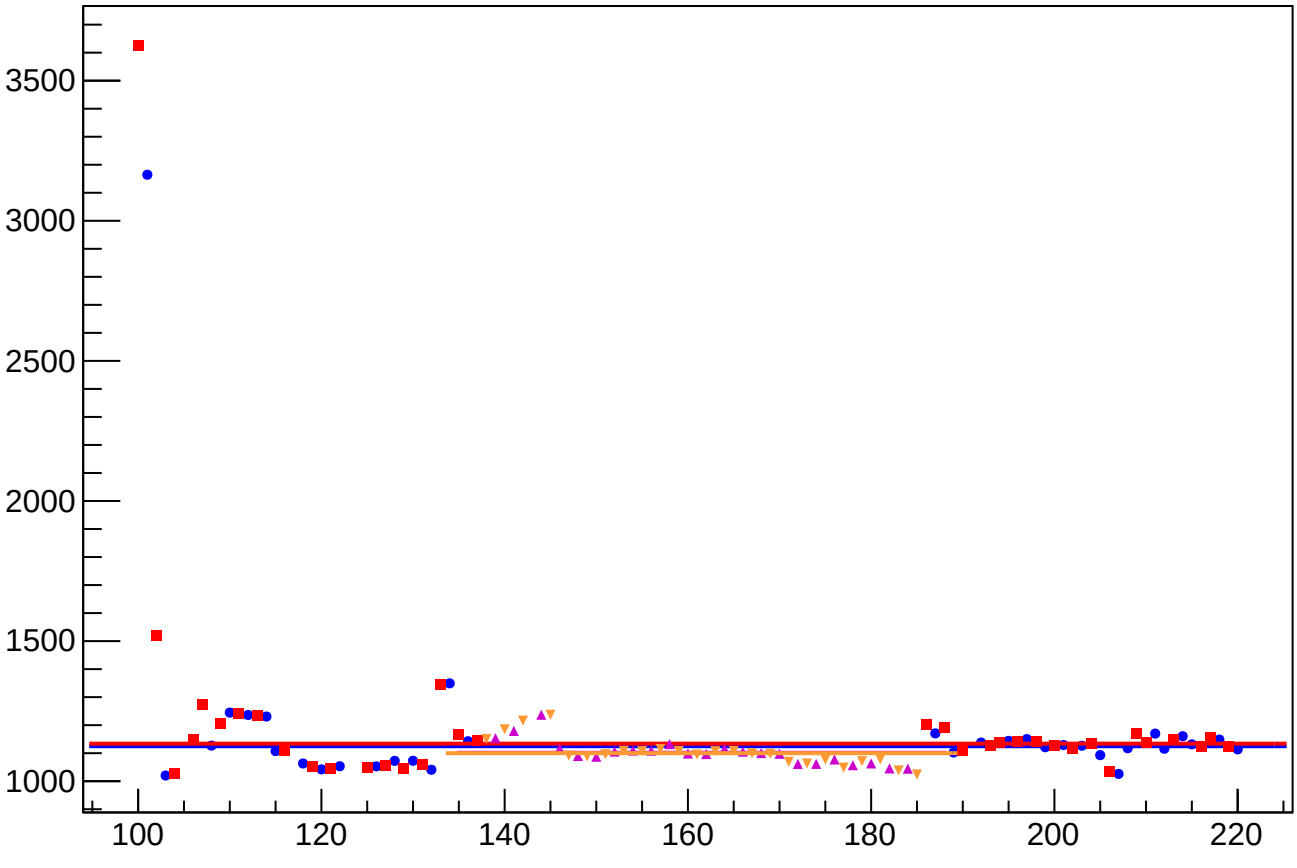
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 193.130+/-175.393 χ^2/NDF: 65.3/67

In: -224.240+/-178.259 χ^2/NDF:41.9/55

Out: 481.293+/-178.326 χ^2/NDF:84.4/58

All: 128.393+/-126.072 χ^2/NDF: 134.1/114



Right In: 1124.906+/-0.175 χ^2/NDF: 647140.1/32

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.038+/-0.176 χ^2/NDF: 250417.1/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

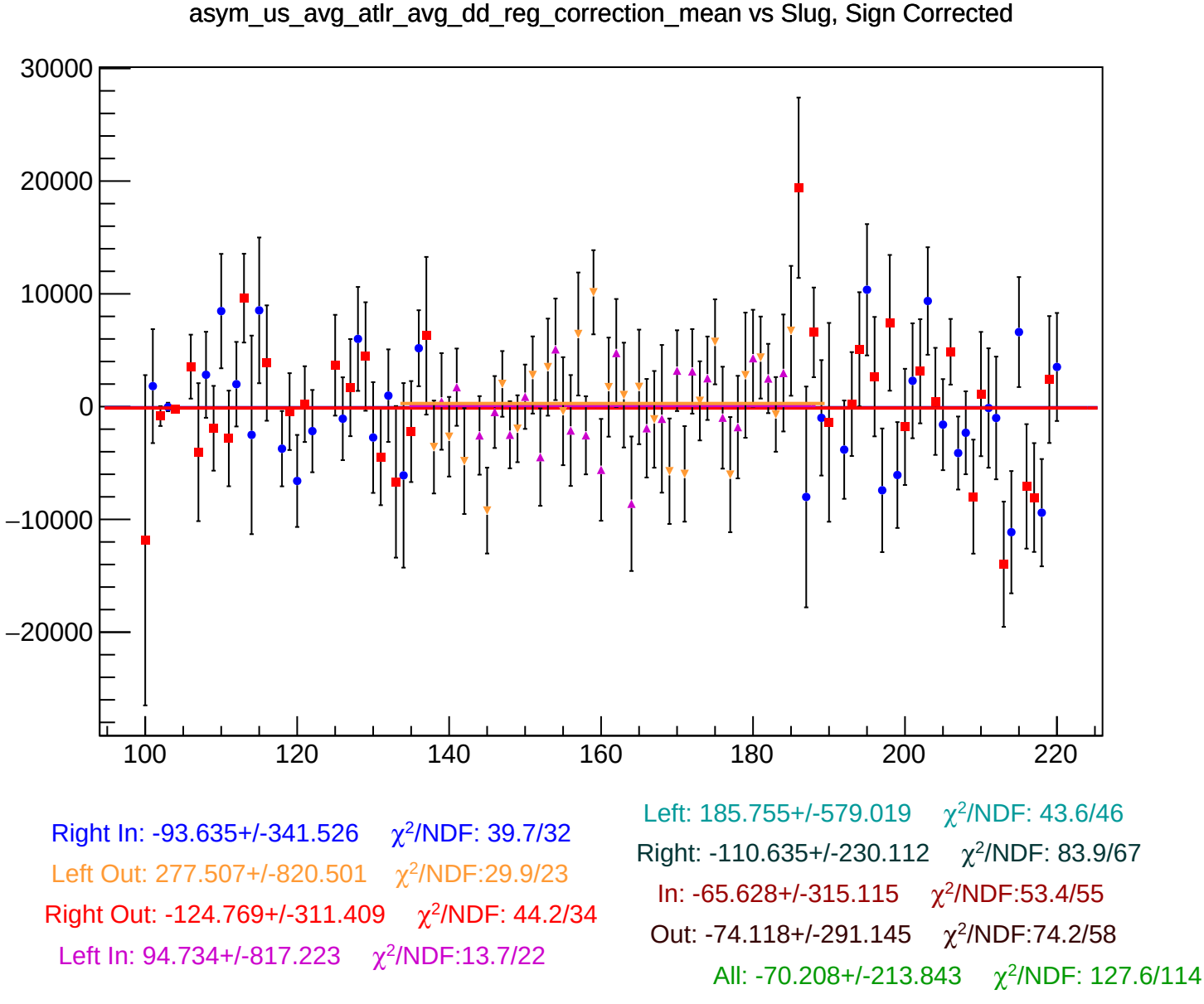
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

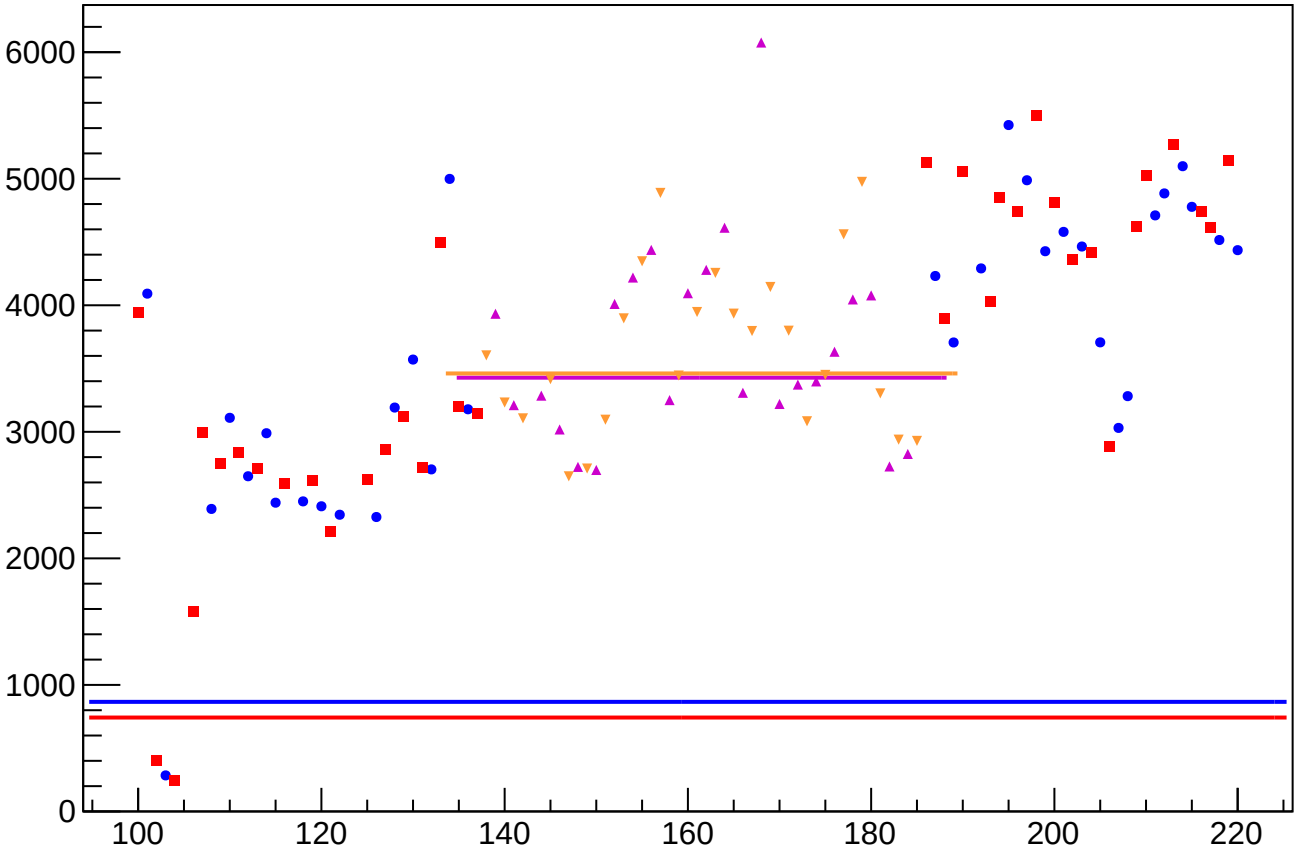
Right: 1129.440+/-0.124 χ^2/NDF: 898913.3/67

In: 1113.693+/-0.126 χ^2/NDF:707870.2/55

Out: 1117.502+/-0.126 χ^2/NDF:327298.0/58

All: 1115.598+/-0.089 χ^2/NDF: 1035624.7/11


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -93.635+/-341.526 χ²/NDF: 39.7/32
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -124.769+/-311.409 χ²/NDF: 44.2/34
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -110.635+/-230.112 χ²/NDF: 83.9/67
In: -65.628+/-315.115 χ²/NDF:53.4/55
Out: -74.118+/-291.145 χ²/NDF:74.2/58
All: -70.208+/-213.843 χ²/NDF: 127.6/114



Right In: 866.093+/-0.241 χ^2/NDF: 28780506.9/32

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 742.158+/-0.220 χ^2/NDF: 29610824.9/34

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

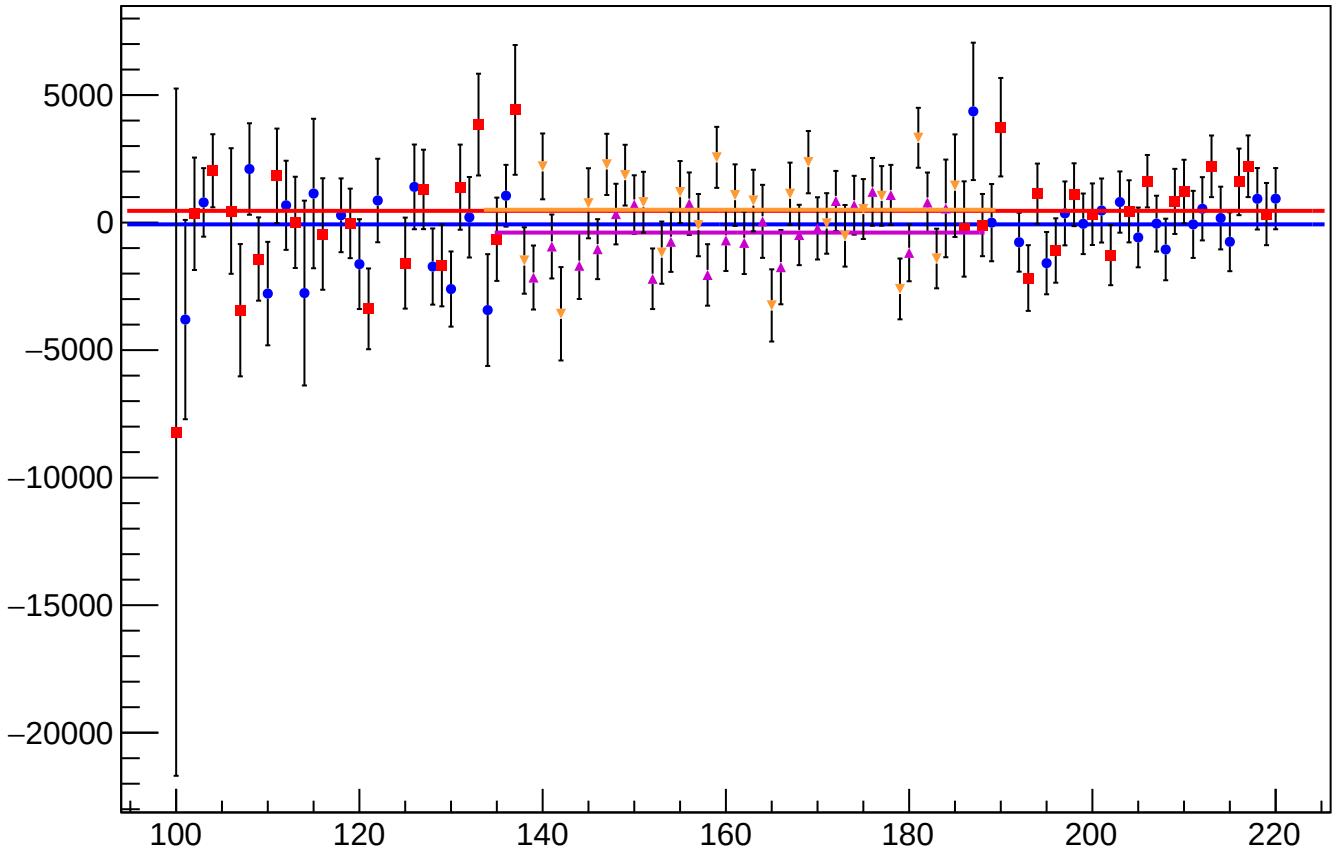
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 798.421+/-0.163 χ^2/NDF: 58535140.1/67

In: 1246.981+/-0.223 χ^2/NDF:46754576.1/55

Out: 1084.521+/-0.206 χ^2/NDF:49868494.0/58

All: 1159.338+/-0.151 χ^2/NDF: 96909854.3/1



Right In: -69.801+/-247.118 χ^2/NDF: 23.2/32

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 460.132+/-248.980 χ^2/NDF: 39.8/34

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

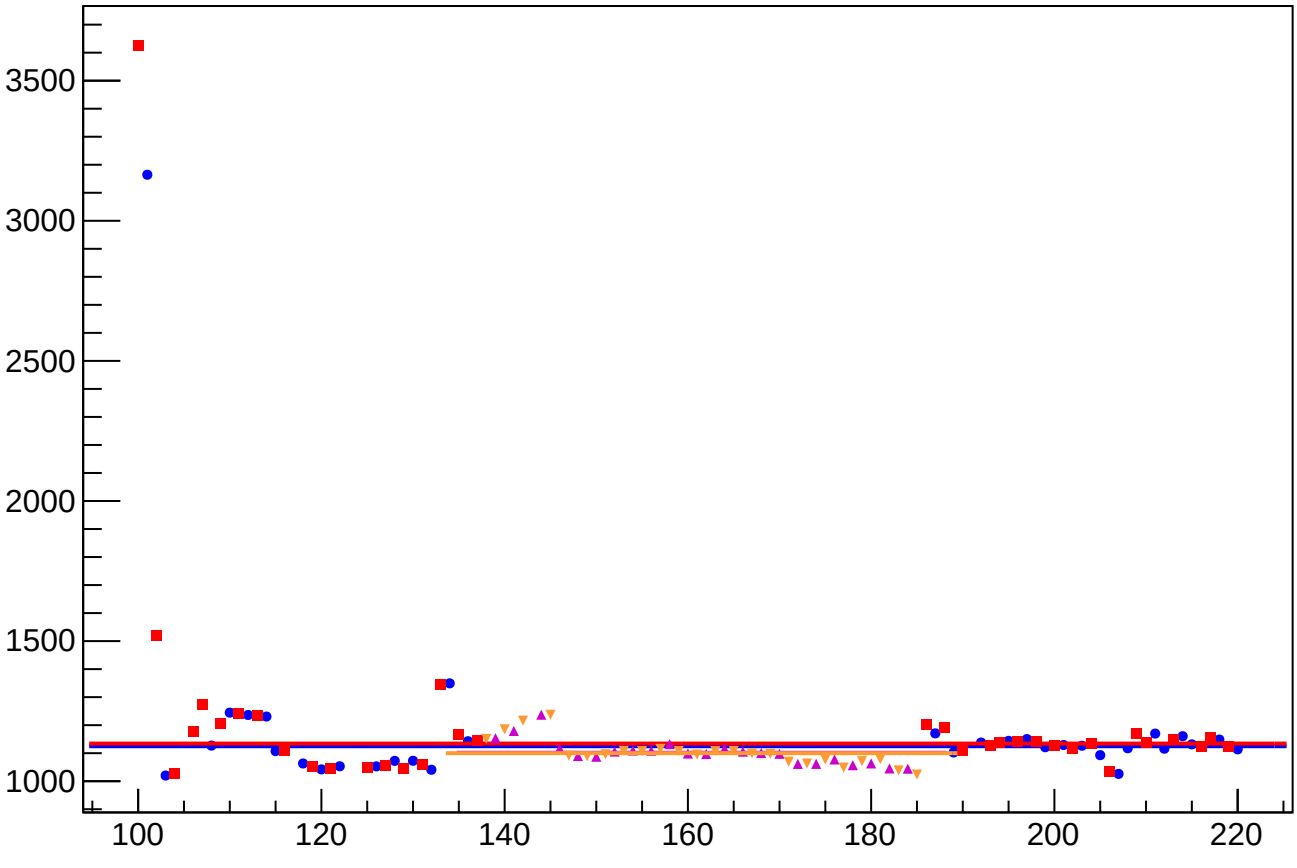
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 193.177+/-175.393 χ^2/NDF: 65.3/67

In: -224.197+/-178.259 χ^2/NDF:41.9/55

Out: 481.340+/-178.326 χ^2/NDF:84.4/58

All: 128.438+/-126.072 χ^2/NDF: 134.1/114



Right In: 1124.906+/-0.175 χ^2/NDF: 647141.2/32

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

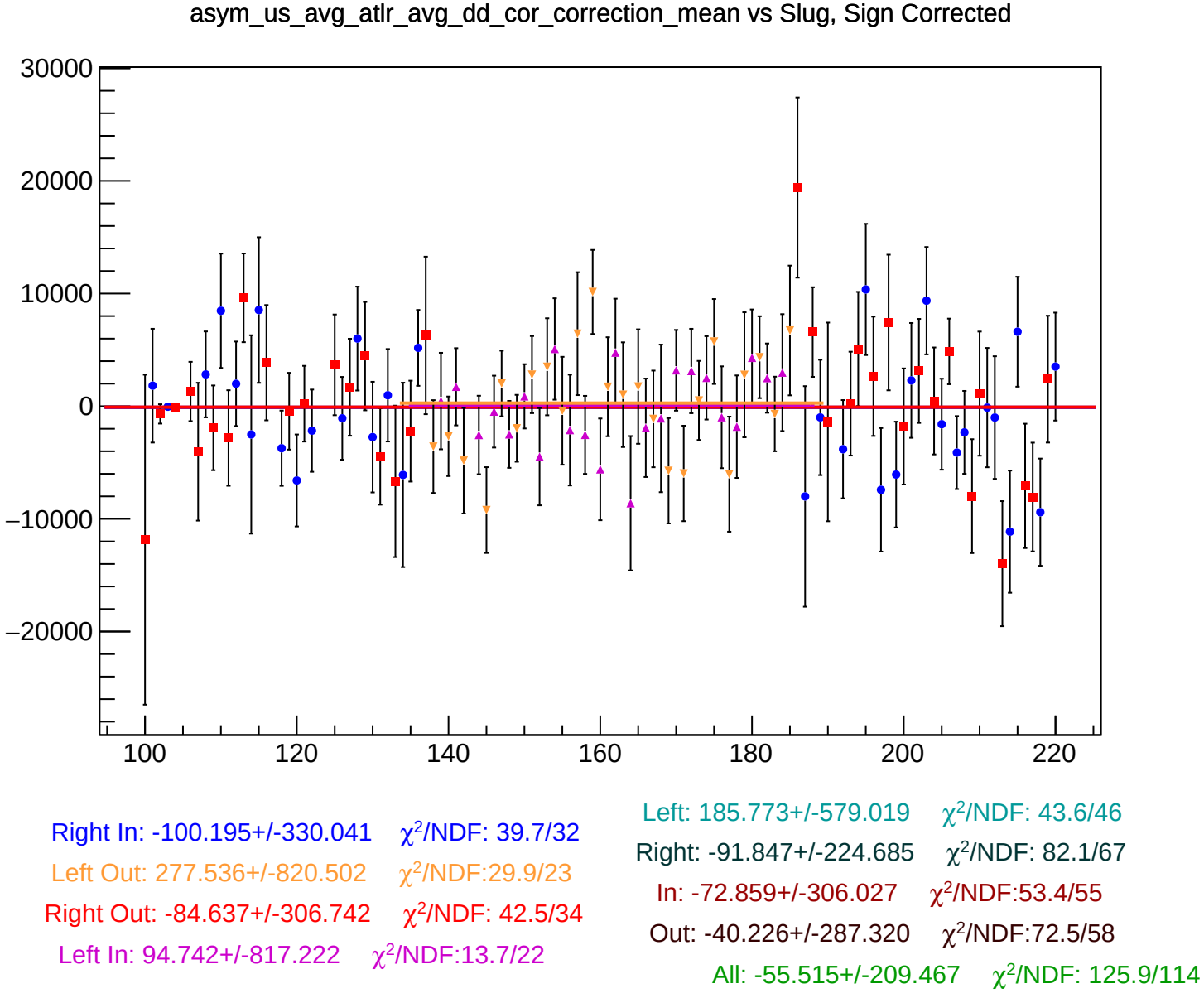
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

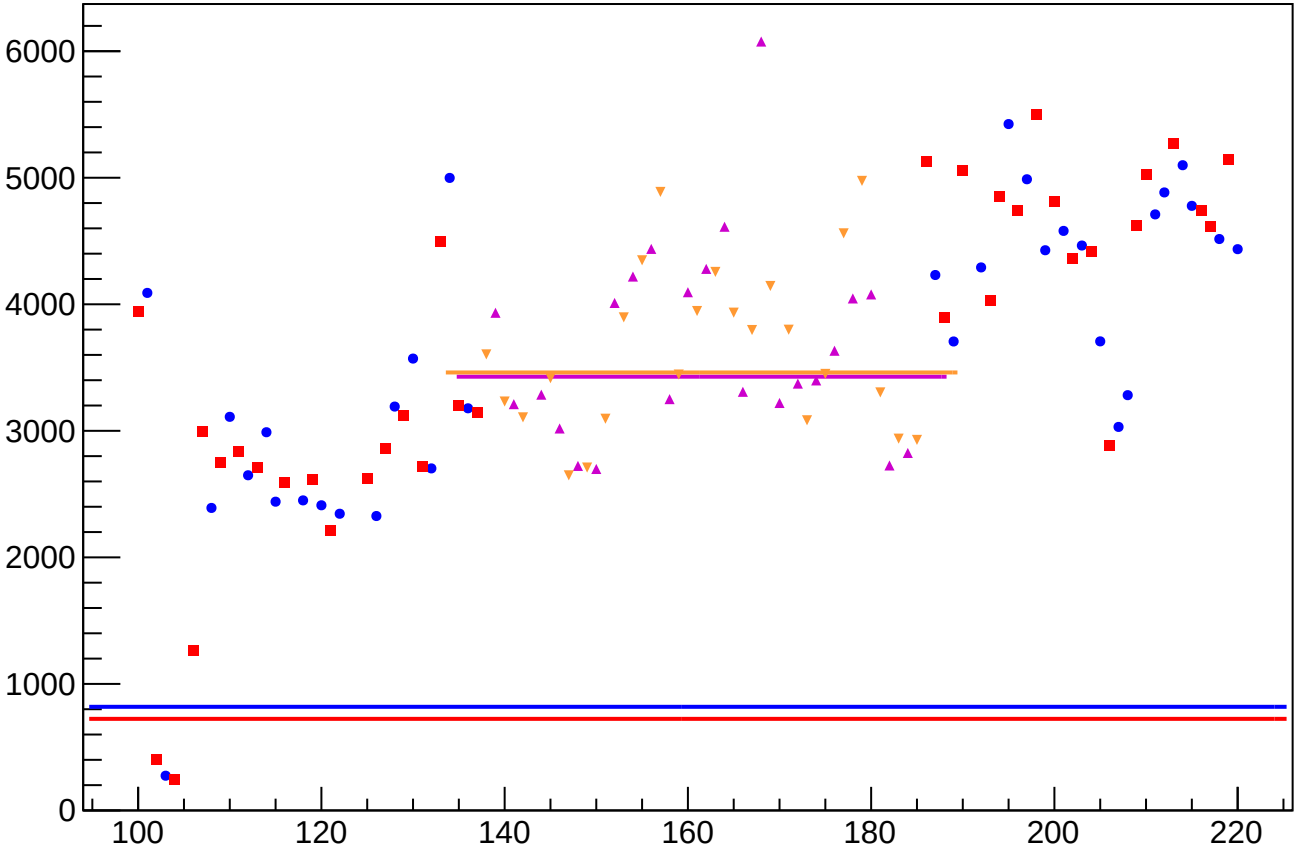
Right: 1129.596+/-0.124 χ^2/NDF: 899616.7/67

In: 1113.693+/-0.126 χ^2/NDF:707871.3/55

Out: 1117.658+/-0.126 χ^2/NDF:328238.4/58

All: 1115.675+/-0.089 χ^2/NDF: 1036604.2/11


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -100.195+/-330.041 χ²/NDF: 39.7/32
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -84.637+/-306.742 χ²/NDF: 42.5/34
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -91.847+/-224.685 χ²/NDF: 82.1/67
In: -72.859+/-306.027 χ²/NDF:53.4/55
Out: -40.226+/-287.320 χ²/NDF:72.5/58
All: -55.515+/-209.467 χ²/NDF: 125.9/114



Right In: 819.087+/-0.233 χ^2/NDF: 29334591.4/32

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 723.880+/-0.217 χ^2/NDF: 29690029.0/34

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

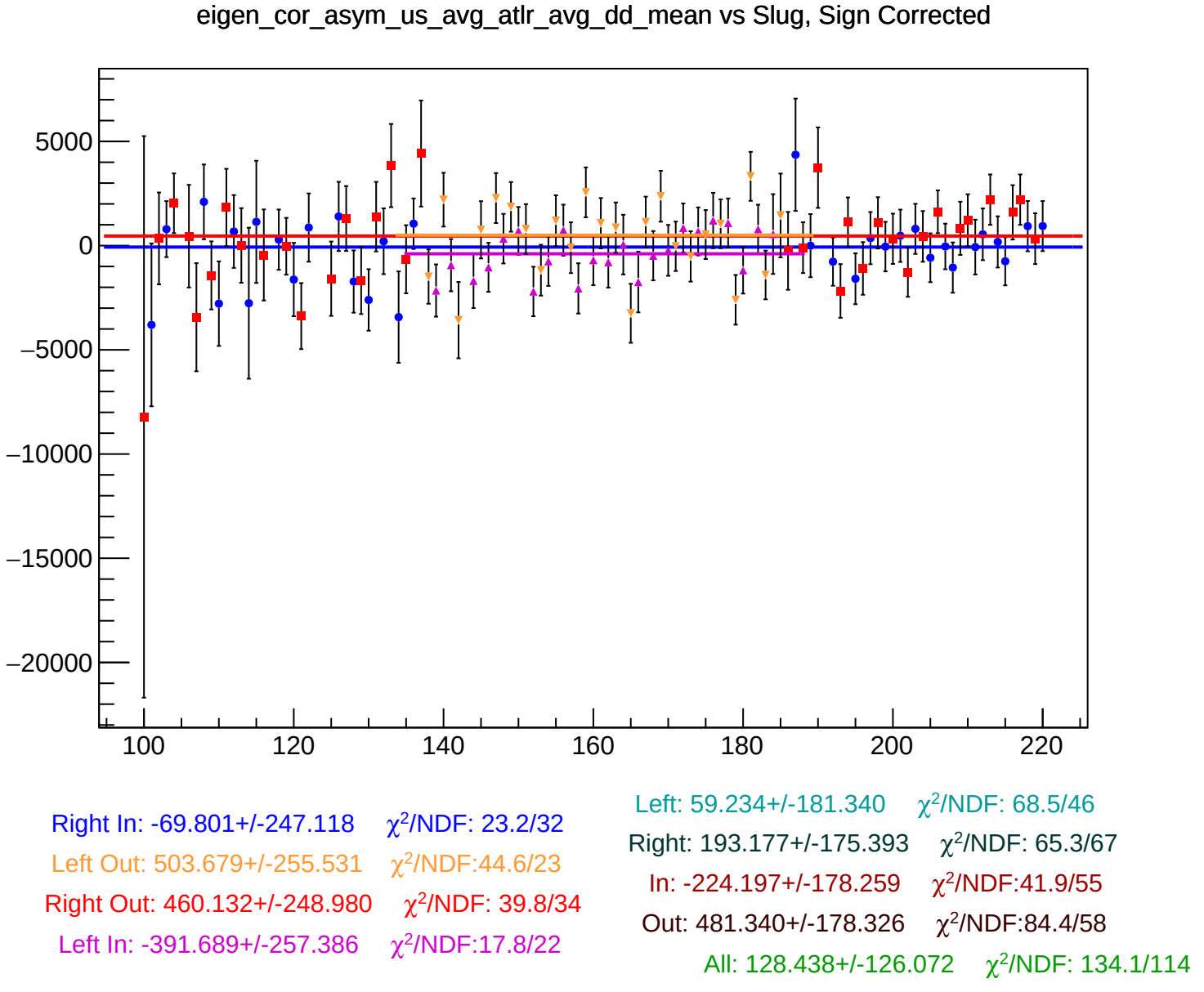
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 768.005+/-0.159 χ^2/NDF: 59113915.4/67

In: 1184.912+/-0.216 χ^2/NDF:48100556.3/55

Out: 1059.548+/-0.203 χ^2/NDF:50279853.1/58

All: 1118.282+/-0.148 χ^2/NDF: 98558795.4/1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
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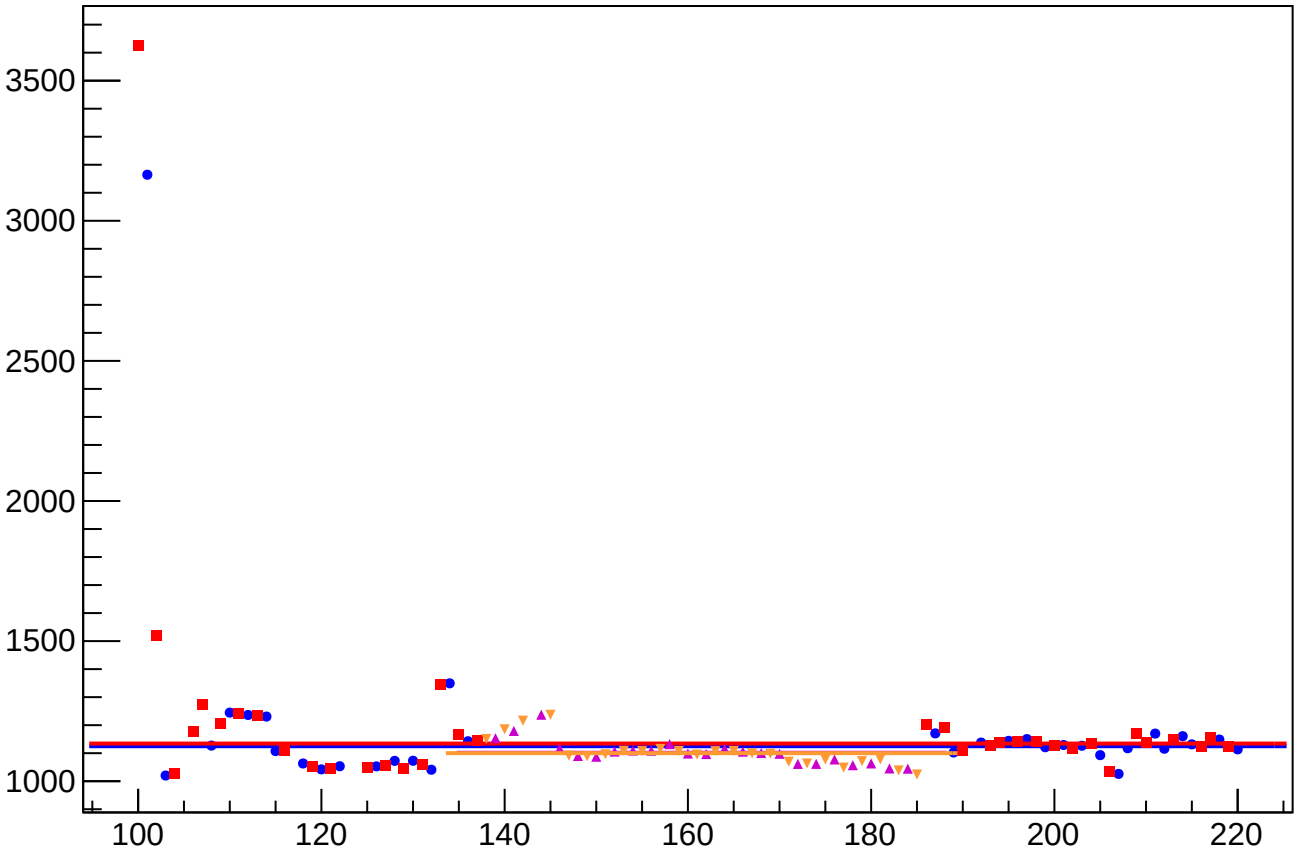
140
160
180
200
220
Right In: -69.801+/-247.118 χ²/NDF: 23.2/32
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 460.132+/-248.980 χ²/NDF: 39.8/34
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 193.177+/-175.393 χ²/NDF: 65.3/67
In: -224.197+/-178.259 χ²/NDF:41.9/55
Out: 481.340+/-178.326 χ²/NDF:84.4/58
All: 128.438+/-126.072 χ²/NDF: 134.1/114



Right In: 1124.906+/-0.175 χ^2/NDF: 647141.2/32

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

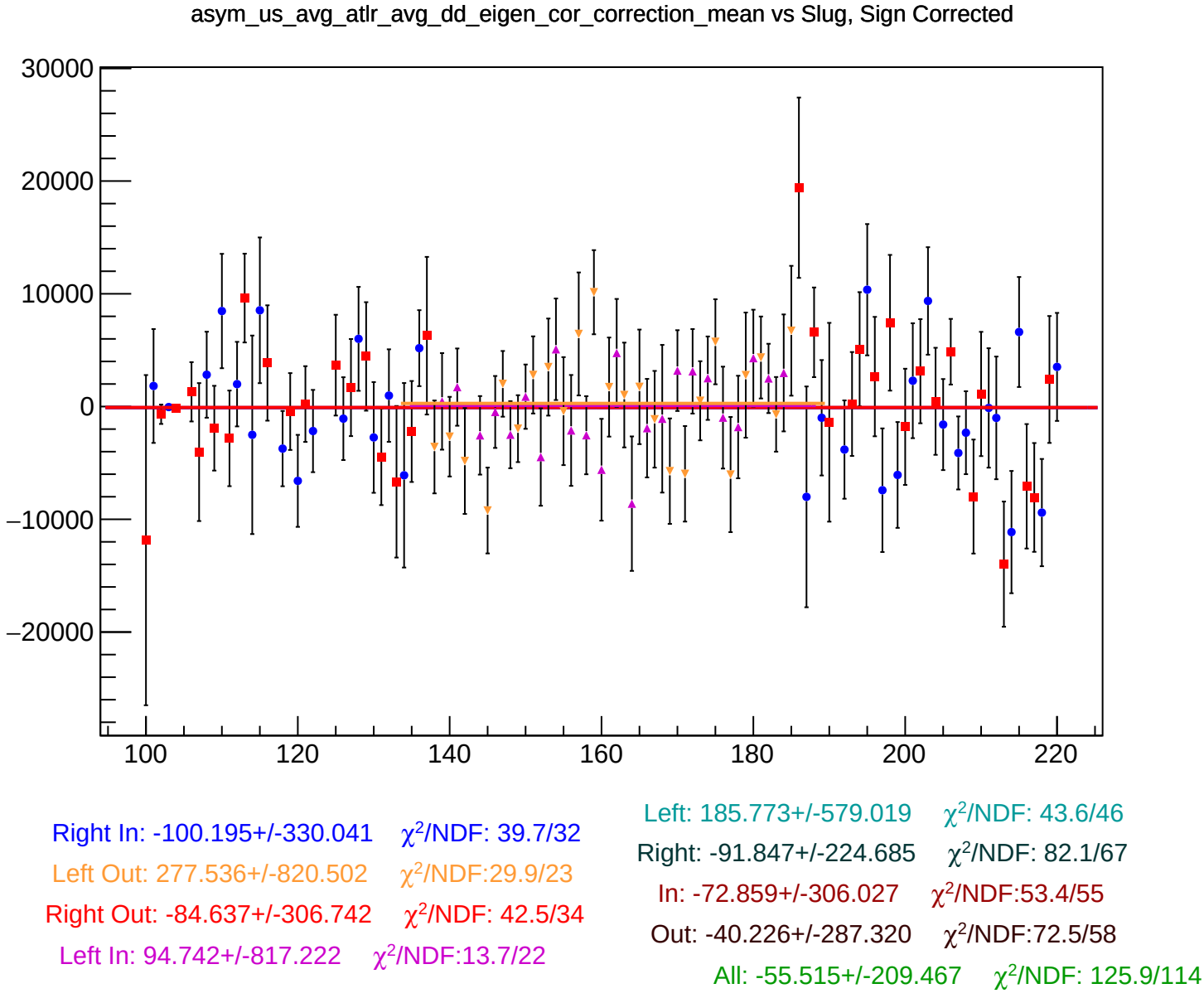
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

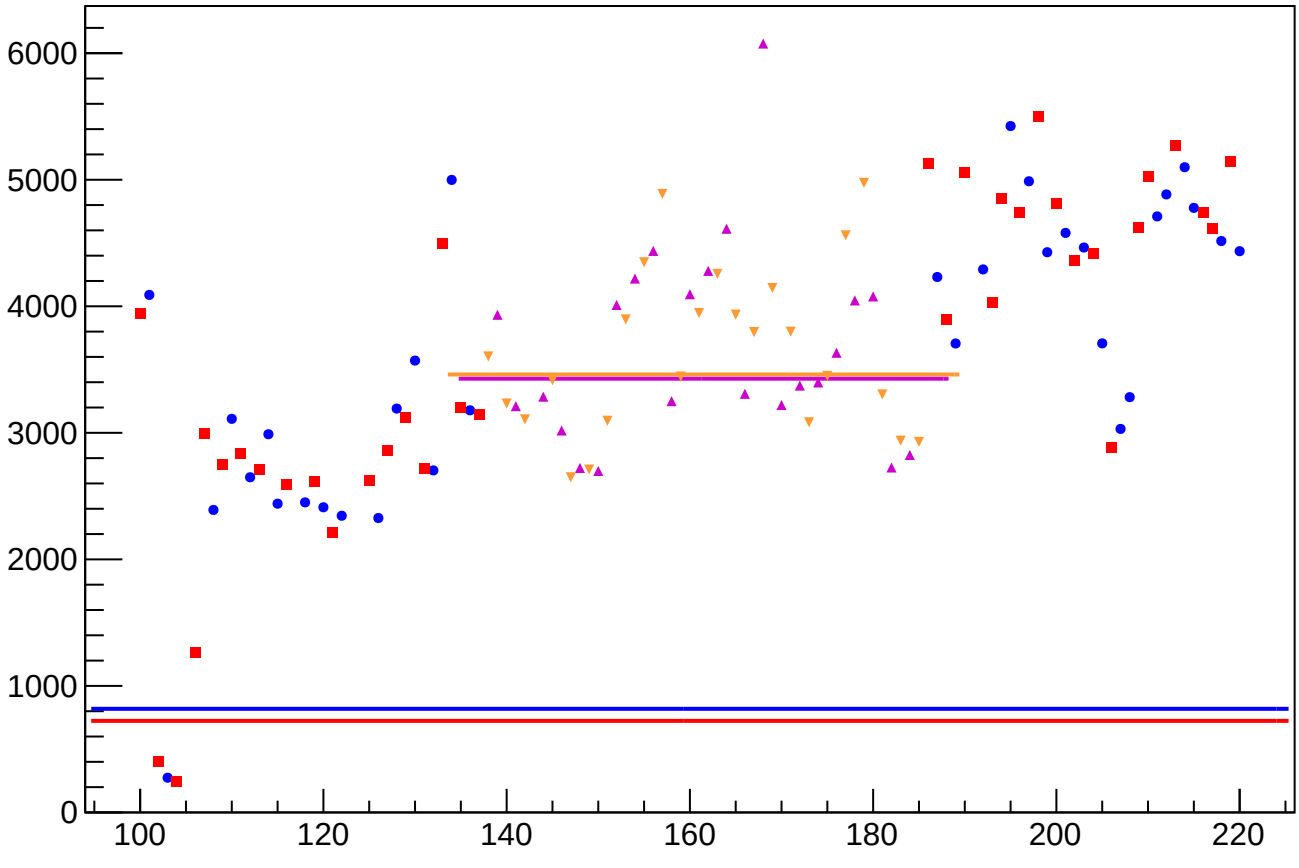
Right: 1129.596+/-0.124 χ^2/NDF: 899616.7/67

In: 1113.693+/-0.126 χ^2/NDF:707871.3/55

Out: 1117.658+/-0.126 χ^2/NDF:328238.4/58

All: 1115.675+/-0.089 χ^2/NDF: 1036604.2/11


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -100.195+/-330.041 χ²/NDF: 39.7/32
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -84.637+/-306.742 χ²/NDF: 42.5/34
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -91.847+/-224.685 χ²/NDF: 82.1/67
In: -72.859+/-306.027 χ²/NDF:53.4/55
Out: -40.226+/-287.320 χ²/NDF:72.5/58
All: -55.515+/-209.467 χ²/NDF: 125.9/114



Right In: 819.087+/-0.233 χ^2/NDF: 29334591.4/32

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 723.880+/-0.217 χ^2/NDF: 29690029.0/34

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

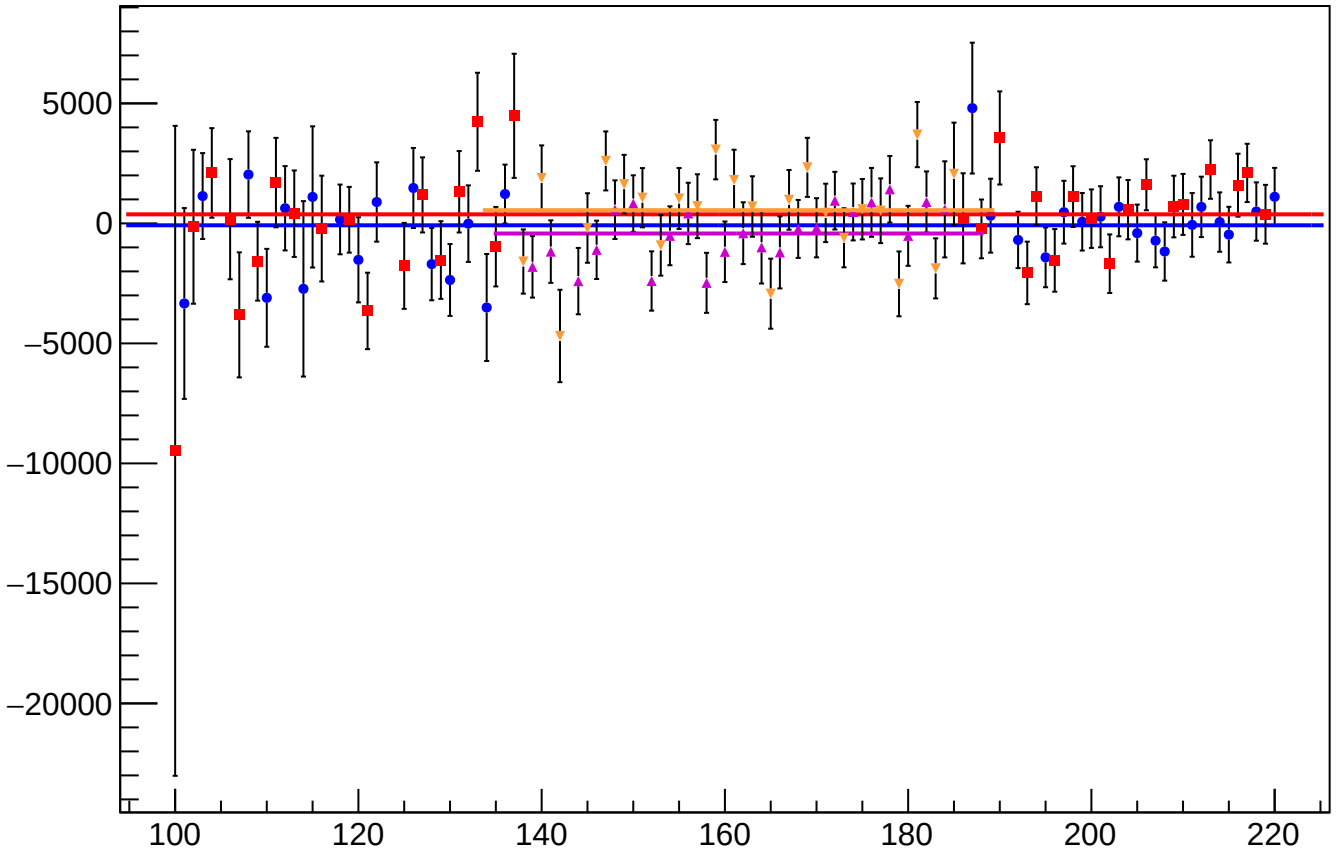
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 768.005+/-0.159 χ^2/NDF: 59113915.4/67

In: 1184.912+/-0.216 χ^2/NDF:48100556.3/55

Out: 1059.548+/-0.203 χ^2/NDF:50279853.1/58

All: 1118.282+/-0.148 χ^2/NDF: 98558795.4/1



Right In: -79.456+/-251.985 χ^2/NDF: 22.7/32

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 377.754+/-254.648 χ^2/NDF: 41.5/34

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

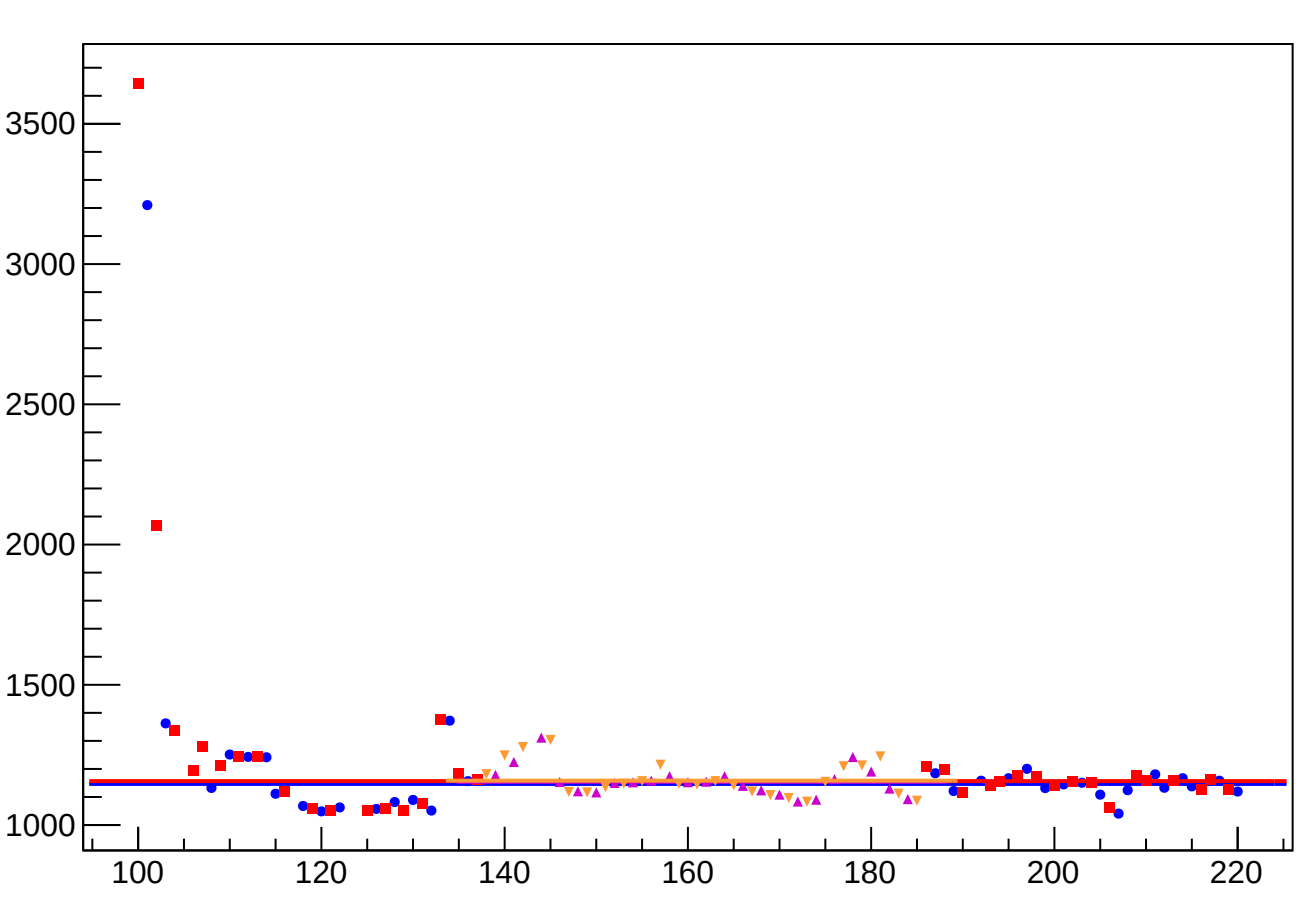
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: 146.746+/-179.114 χ^2/NDF: 65.9/67

In: -238.581+/-184.161 χ^2/NDF:41.5/55

Out: 459.406+/-184.996 χ^2/NDF:87.0/58

All: 108.834+/-130.516 χ^2/NDF: 135.7/114



Right In: 1146.634+/-0.178 χ^2/NDF: 667699.8/32

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1156.576+/-0.180 χ^2/NDF: 358334.6/34

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

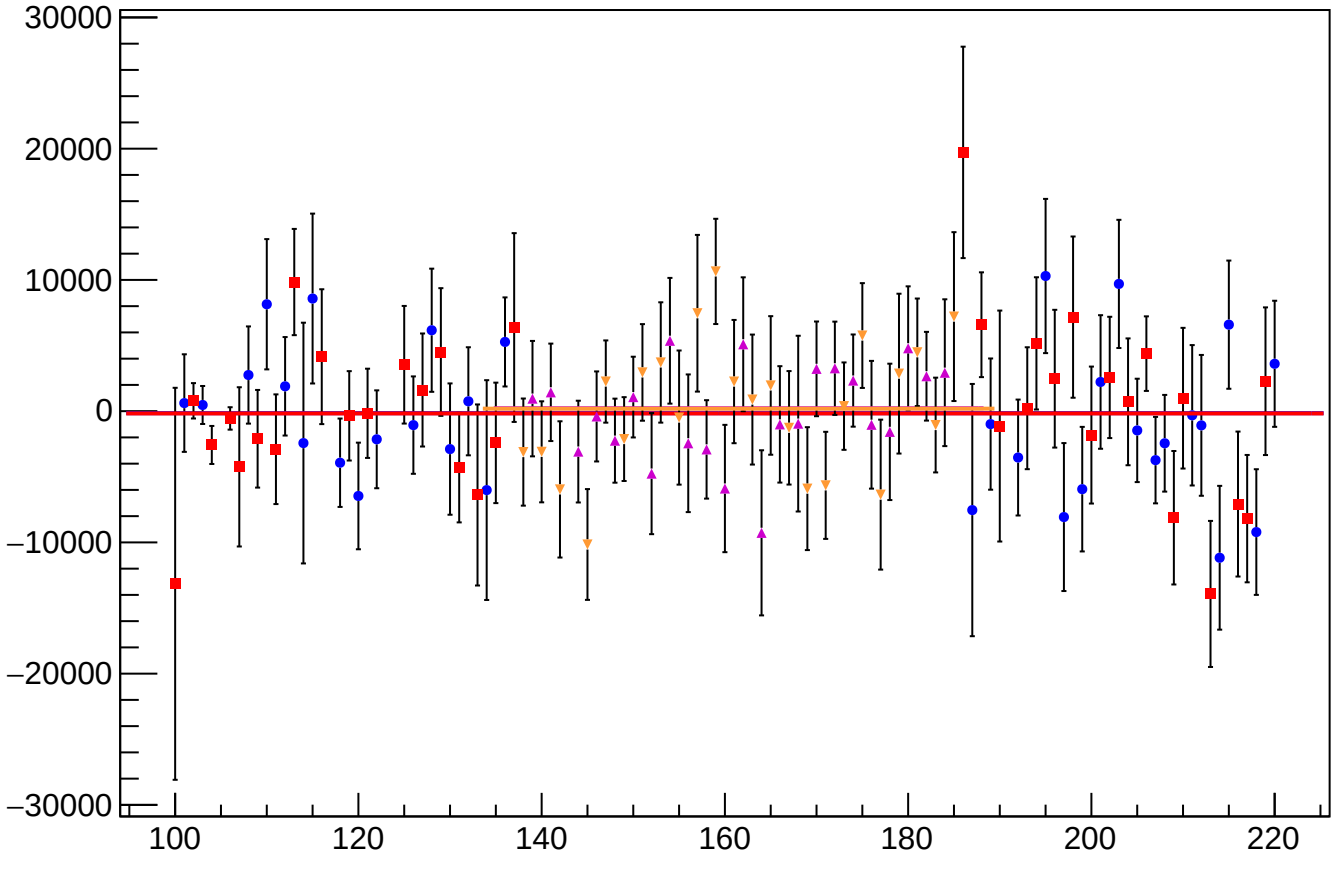
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1151.553+/-0.127 χ^2/NDF: 1027574.9/67

In: 1150.173+/-0.130 χ^2/NDF:735023.6/55

Out: 1157.332+/-0.131 χ^2/NDF:442483.7/58

All: 1153.736+/-0.092 χ^2/NDF: 1179011.7/11



Right In: -152.962+/-696.999 χ^2/NDF: 39.0/32

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -173.771+/-511.276 χ^2/NDF: 44.8/34

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

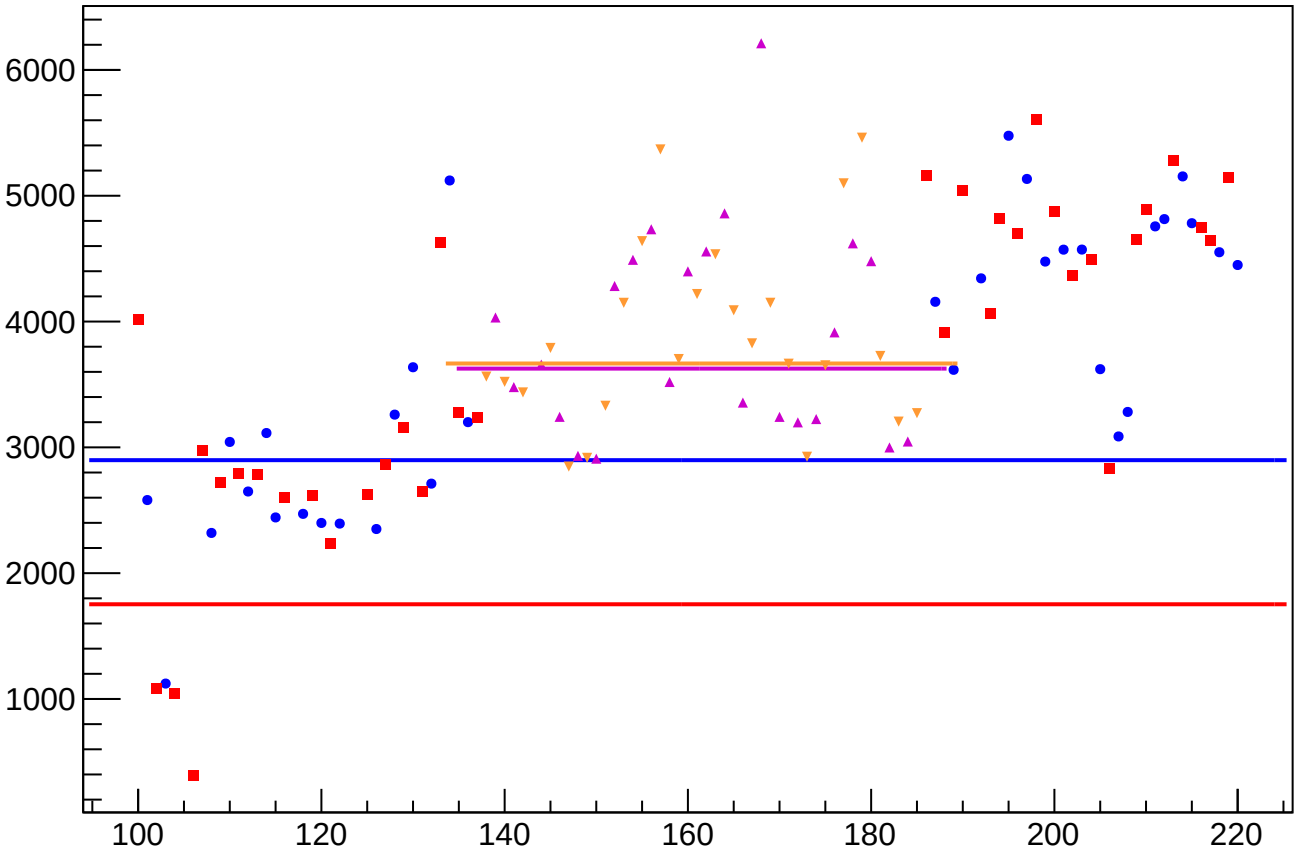
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: -166.491+/-412.255 χ^2/NDF: 83.8/67

In: -5.554+/-542.676 χ^2/NDF:52.5/55

Out: -80.366+/-440.721 χ^2/NDF:74.2/58

All: -50.634+/-342.112 χ^2/NDF: 126.7/114



Right In: 2898.220+/-0.493 χ^2/NDF: 6791023.6/32

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1752.806+/-0.362 χ^2/NDF: 18255607.1/34

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

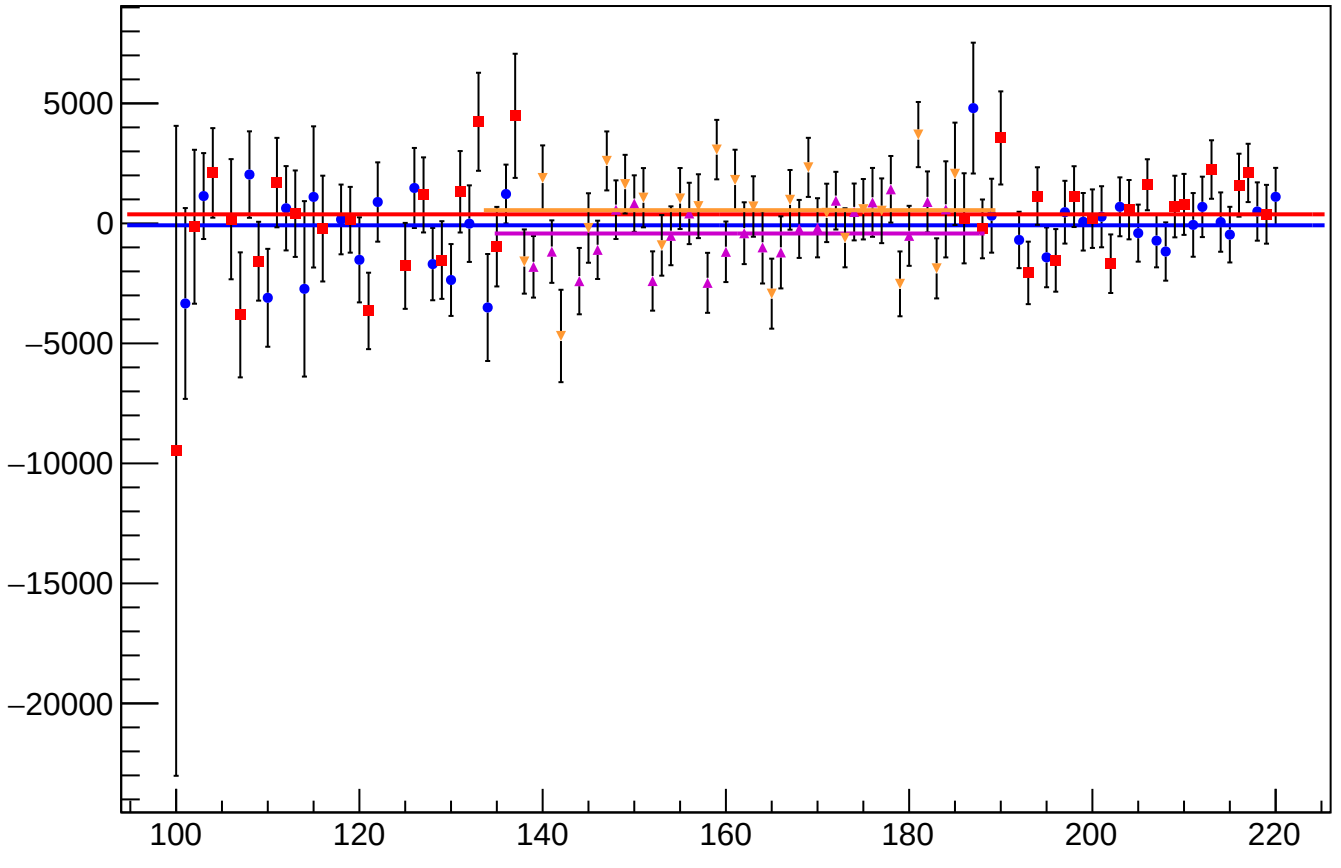
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 2153.516+/-0.292 χ^2/NDF: 28558283.0/67

In: 3184.796+/-0.384 χ^2/NDF:8907507.7/55

Out: 2244.547+/-0.312 χ^2/NDF:26551483.3/58

All: 2618.226+/-0.242 χ^2/NDF: 39076792.6/1



Right In: -79.453+/-251.985 χ^2/NDF: 22.7/32

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 377.757+/-254.648 χ^2/NDF: 41.5/34

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

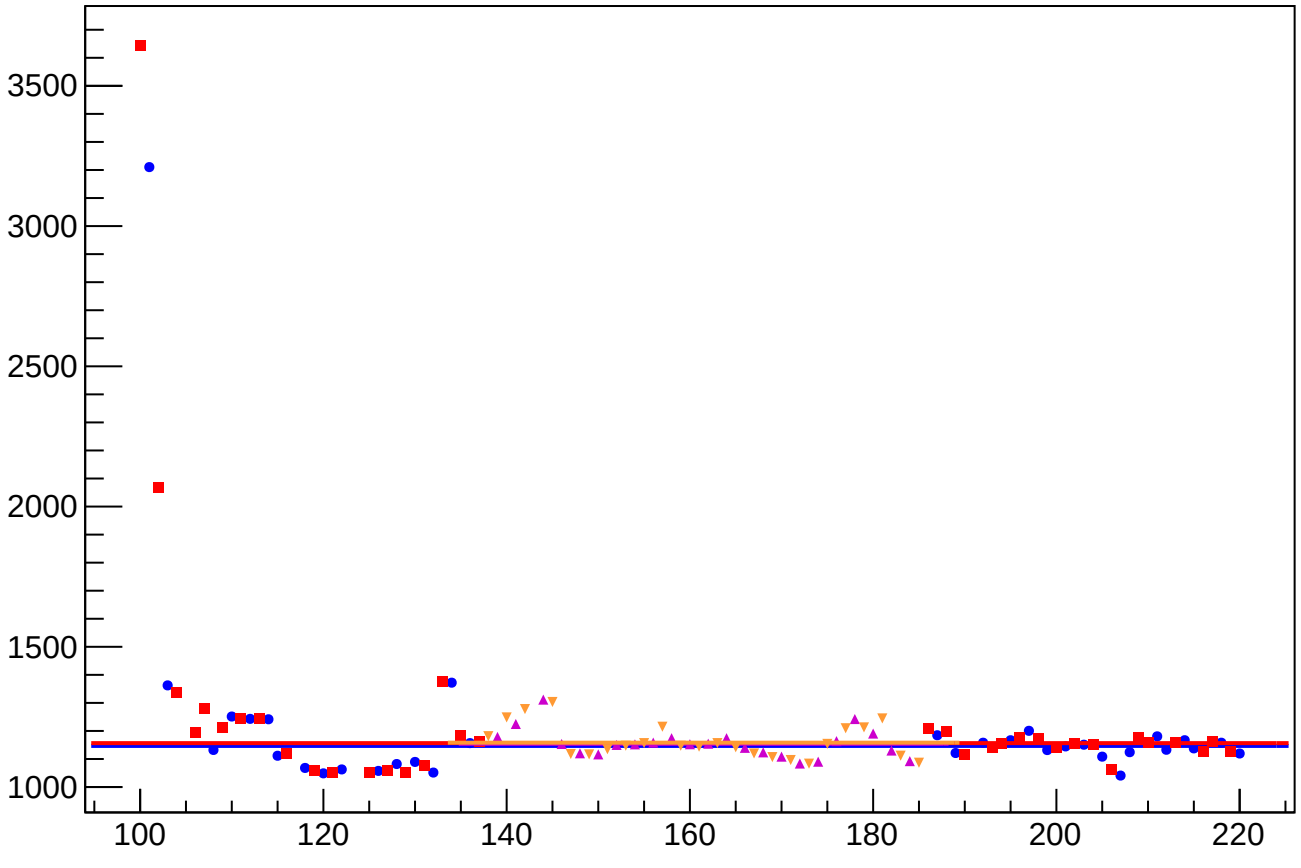
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: 146.749+/-179.114 χ^2/NDF: 65.9/67

In: -238.579+/-184.161 χ^2/NDF:41.5/55

Out: 459.408+/-184.996 χ^2/NDF:87.0/58

All: 108.837+/-130.516 χ^2/NDF: 135.7/114



Right In: 1146.634+/-0.178 χ^2/NDF: 667700.2/32

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1156.575+/-0.180 χ^2/NDF: 358334.4/34

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

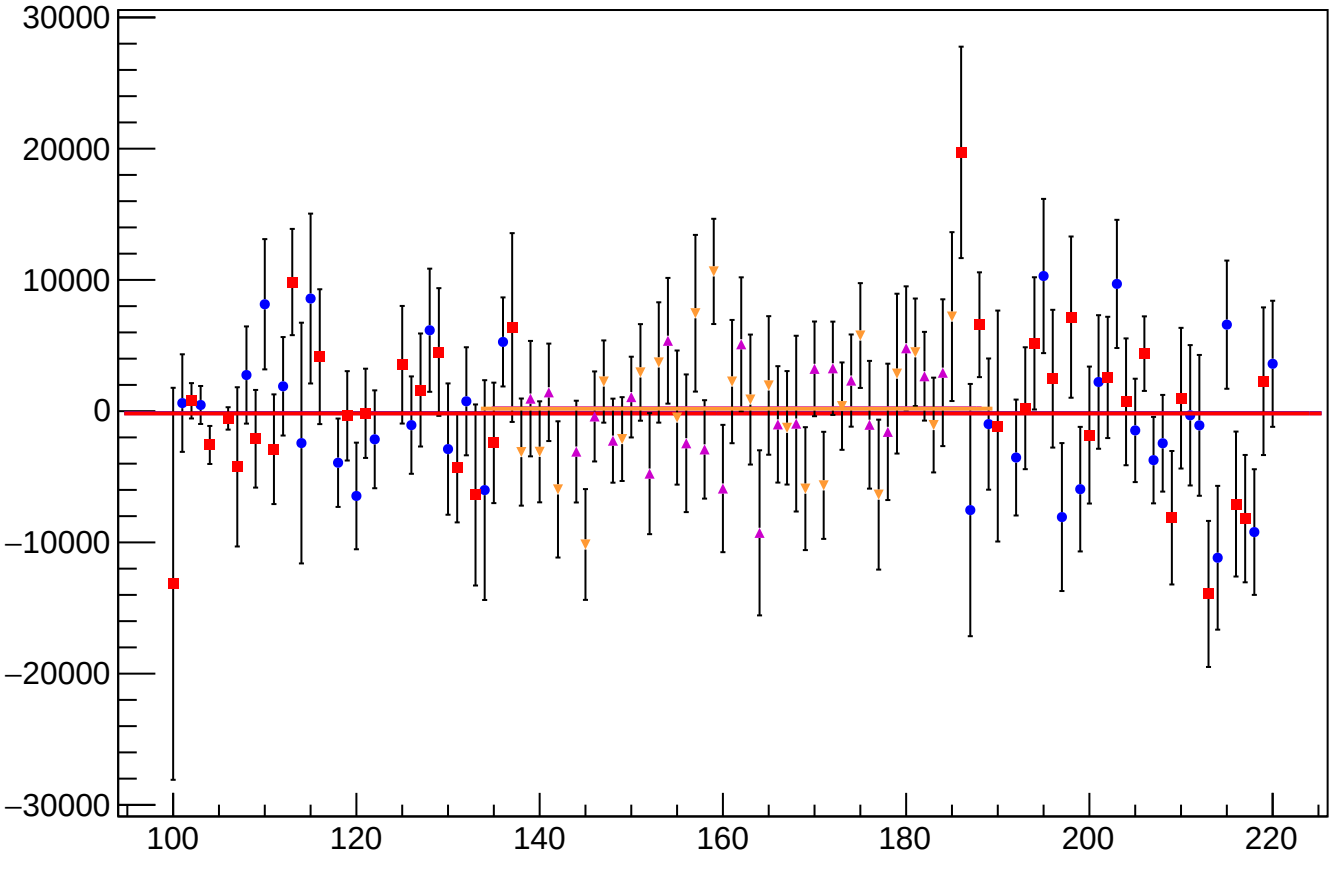
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1151.553+/-0.127 χ^2/NDF: 1027575.1/67

In: 1150.173+/-0.130 χ^2/NDF:735026.8/55

Out: 1157.332+/-0.131 χ^2/NDF:442486.1/58

All: 1153.737+/-0.092 χ^2/NDF: 1179017.2/11



Right In: -152.963+/-696.999 χ^2/NDF: 39.0/32

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -173.776+/-511.271 χ^2/NDF: 44.8/34

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

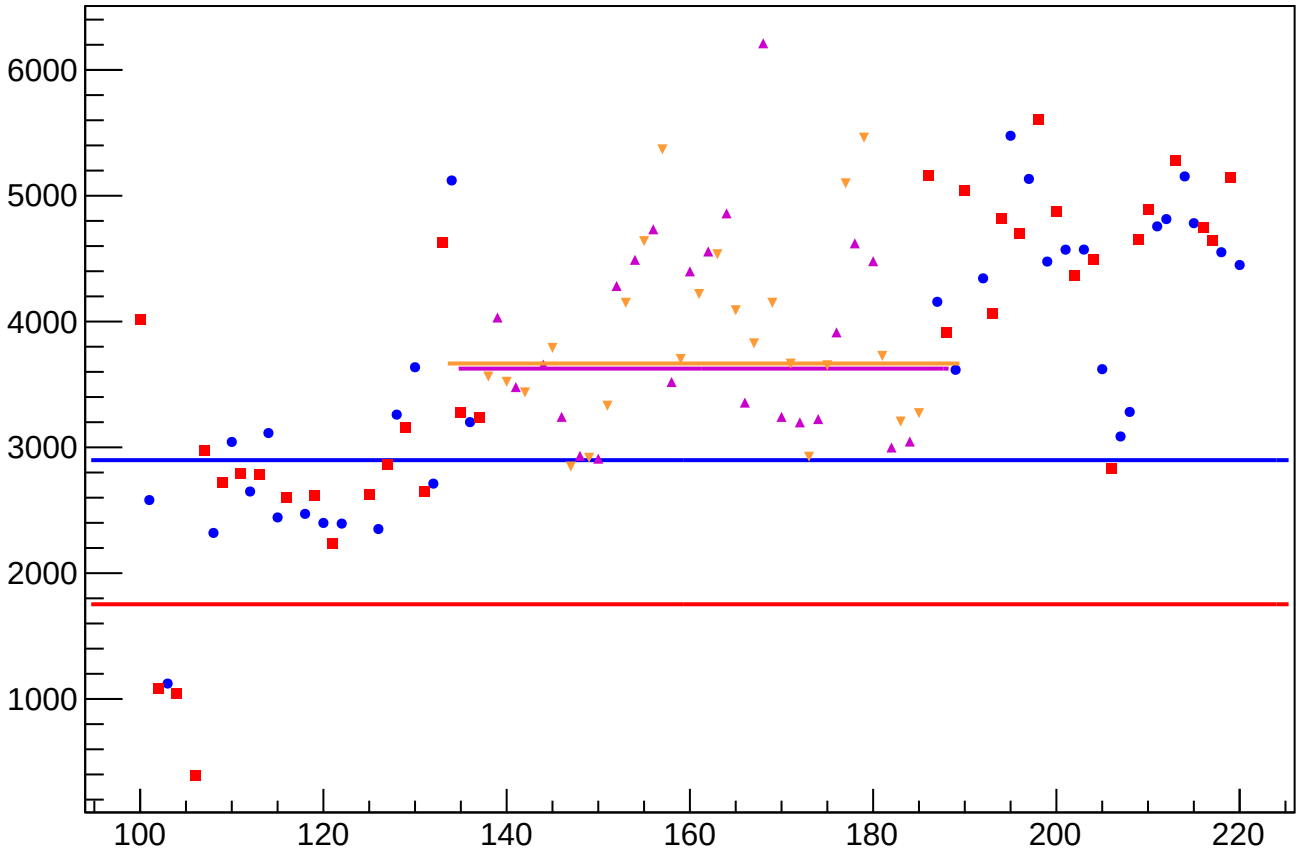
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: -166.495+/-412.253 χ^2/NDF: 83.8/67

In: -5.554+/-542.676 χ^2/NDF:52.5/55

Out: -80.372+/-440.718 χ^2/NDF:74.2/58

All: -50.638+/-342.111 χ^2/NDF: 126.7/114



Right In: 2898.218+/-0.493 χ^2/NDF: 6791054.7/32

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1752.776+/-0.362 χ^2/NDF: 18255970.8/34

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

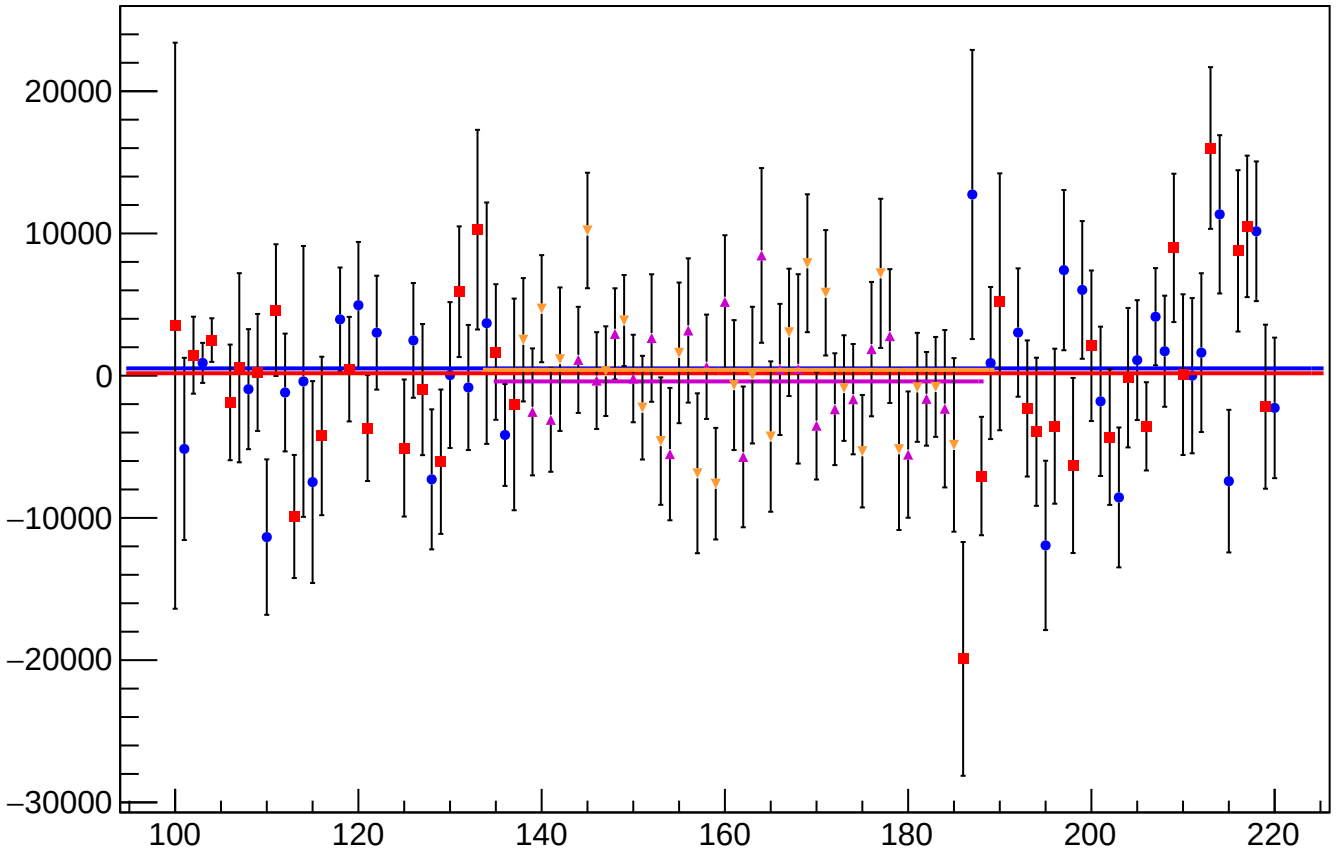
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 2153.491+/-0.292 χ^2/NDF: 28558874.8/67

In: 3184.795+/-0.384 χ^2/NDF:8907559.8/55

Out: 2244.517+/-0.312 χ^2/NDF:26552138.8/58

All: 2618.205+/-0.242 χ^2/NDF: 39077742.4/



Right In: 513.537+/-729.157 χ^2/NDF: 38.4/32

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: 171.562+/-726.493 χ^2/NDF: 49.0/34

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

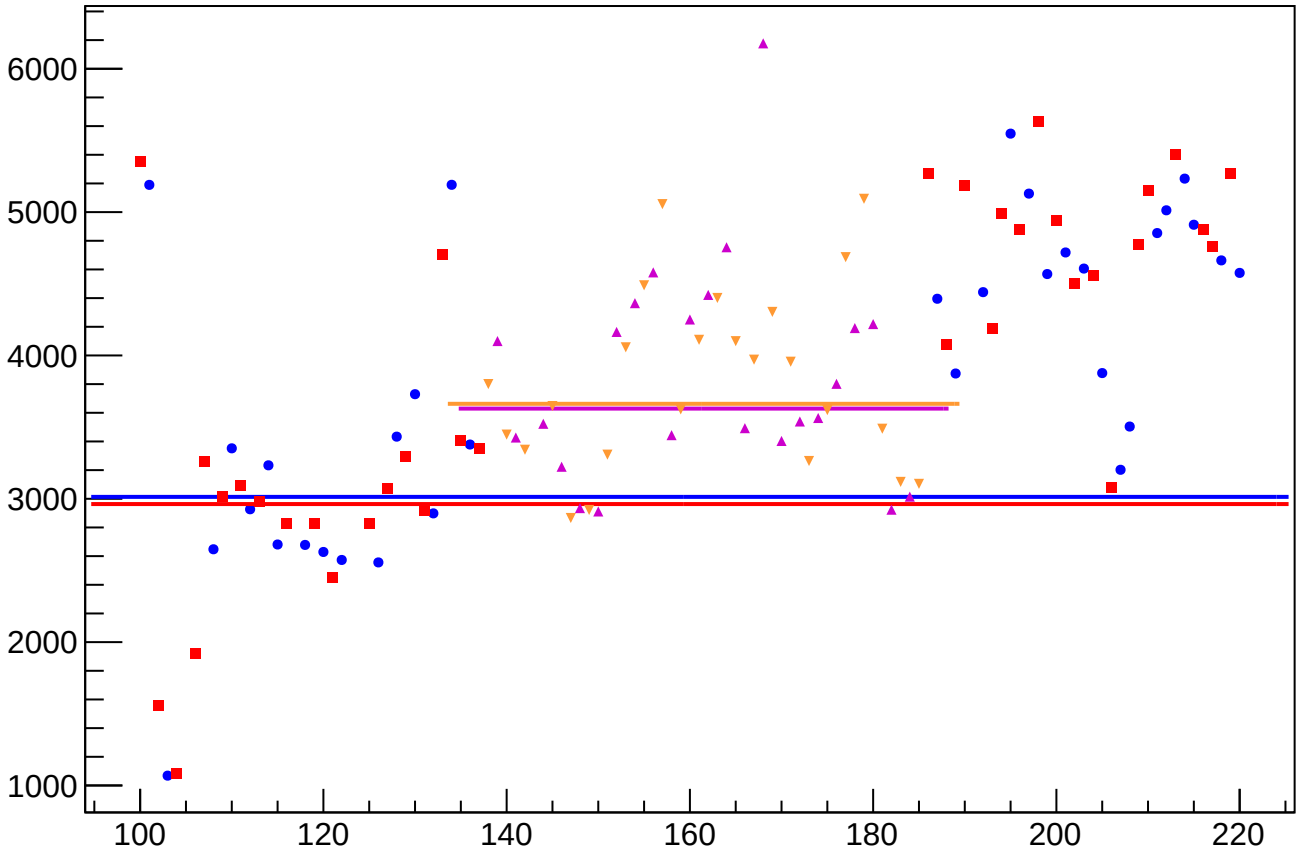
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 341.924+/-514.647 χ^2/NDF: 87.6/67

In: 131.259+/-556.818 χ^2/NDF:51.4/55

Out: 271.586+/-556.401 χ^2/NDF:76.3/58

All: 201.475+/-393.583 χ^2/NDF: 127.7/114



Right In: 3013.373+/-0.516 χ^2/NDF: 7559435.4/32

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2963.245+/-0.513 χ^2/NDF: 7824464.8/34

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

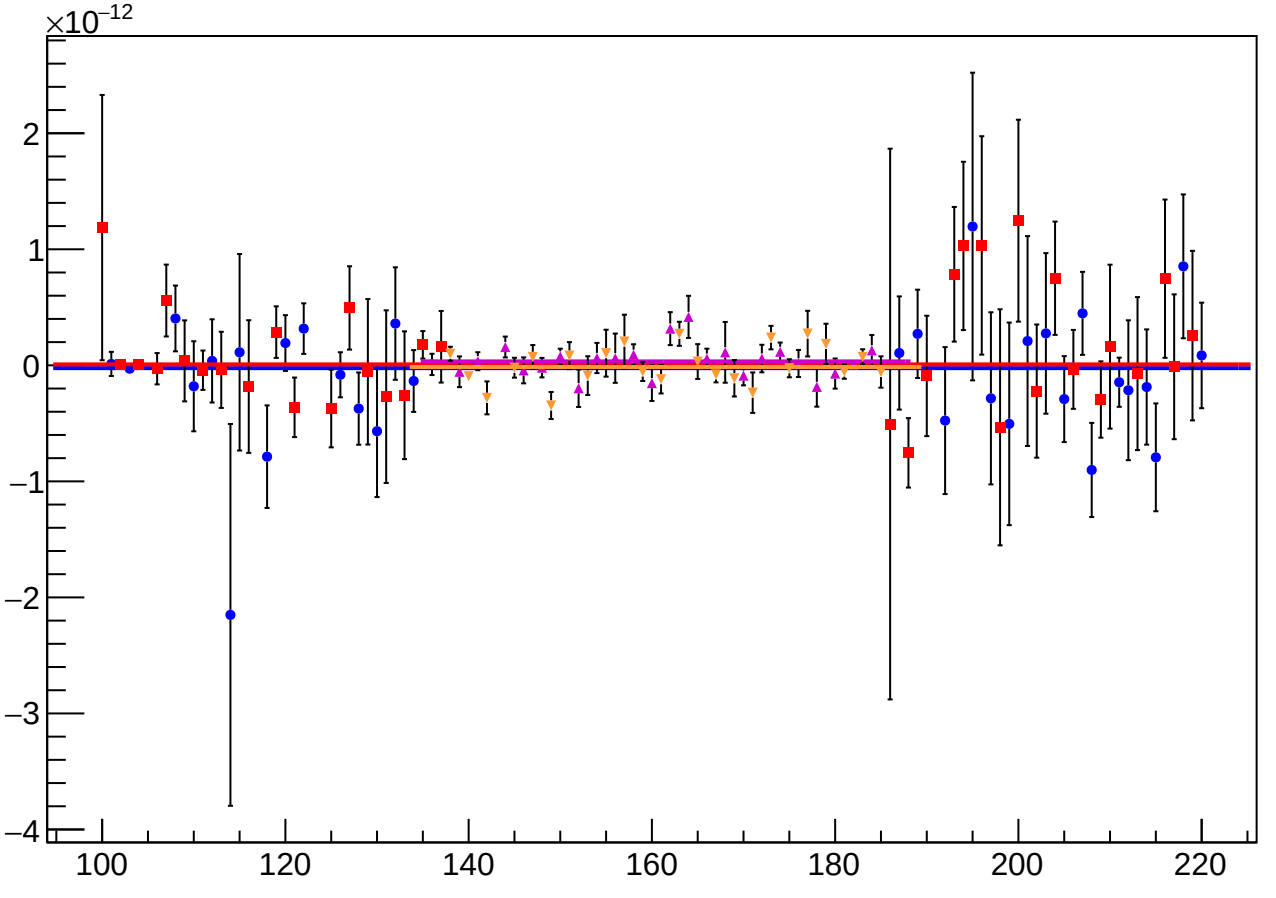
Right: 2988.178+/-0.364 χ^2/NDF: 15388651.1/67

In: 3270.068+/-0.394 χ^2/NDF:9209028.3/55

Out: 3251.878+/-0.393 χ^2/NDF:9485320.3/58

All: 3260.958+/-0.278 χ^2/NDF: 18695417.6/1

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/34

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

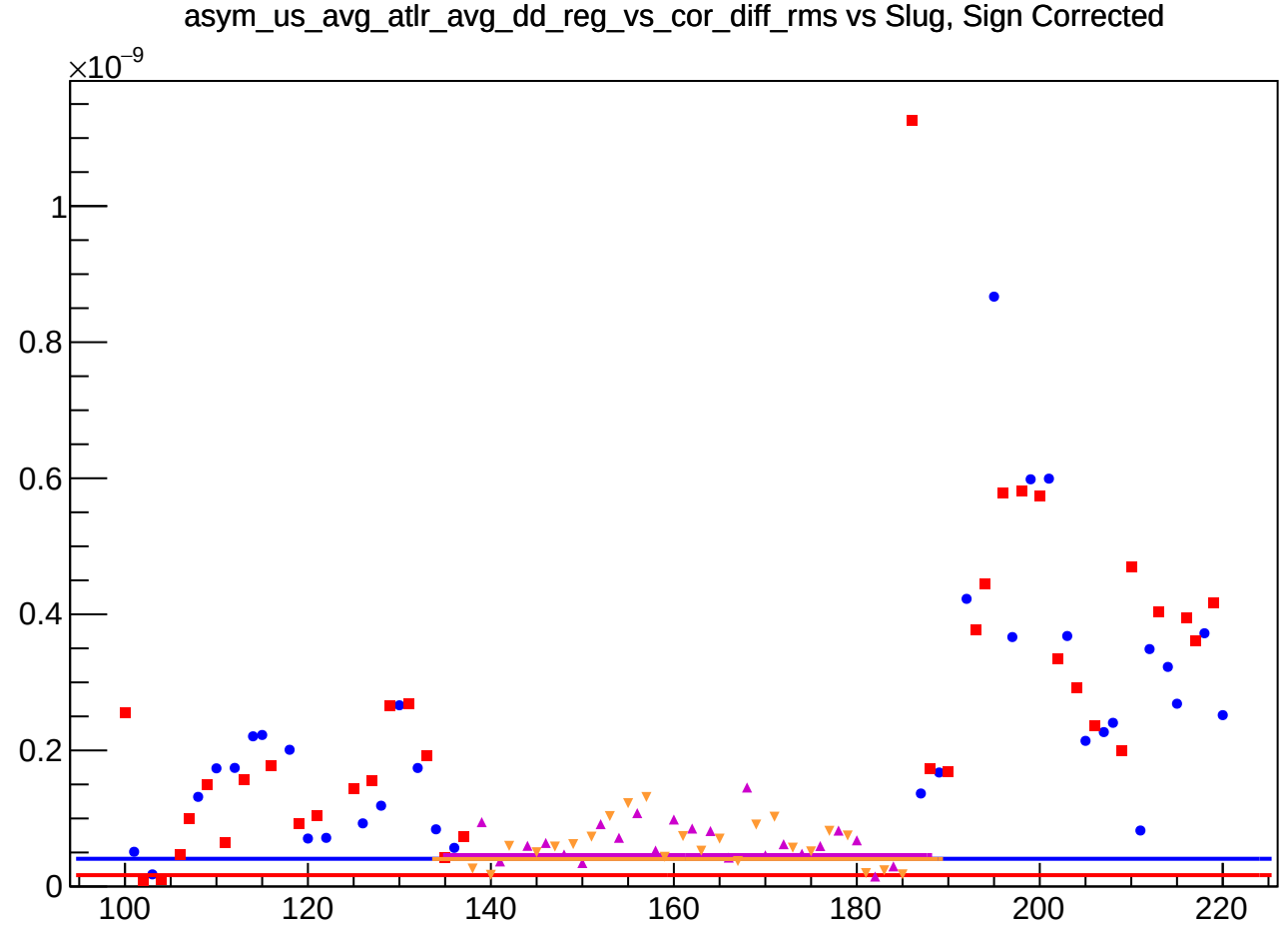
Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

Right: -0.000+/-0.000 χ^2/NDF: 62.5/67

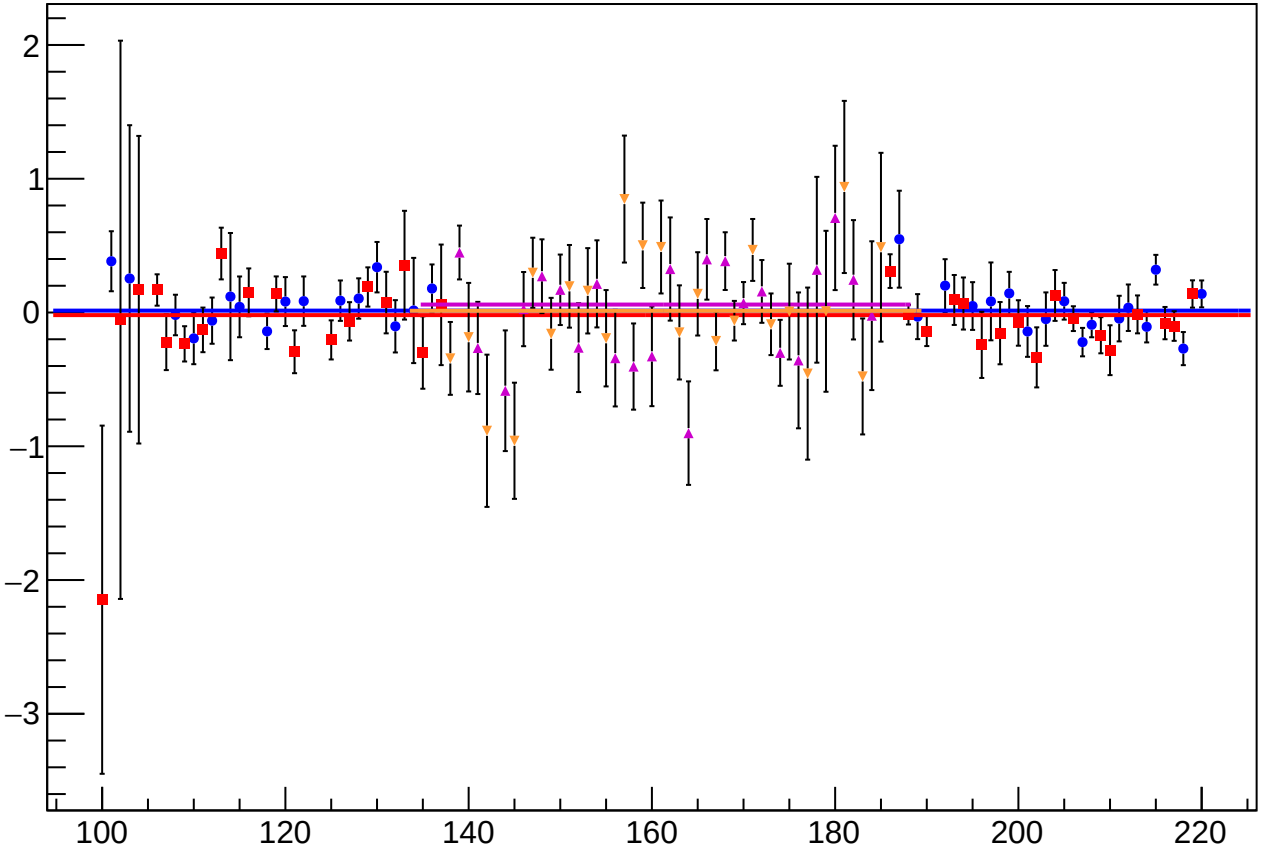
In: 0.000+/-0.000 χ^2/NDF:54.9/55

Out: -0.000+/-0.000 χ^2/NDF:78.7/58

All: 0.000+/-0.000 χ^2/NDF: 133.9/114


asym_us_avg_atlr_avg_dd_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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11707656.6/32
Left Out: 0.000+/-0.000 χ²/NDF:3432253.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 14585456.9/34
Left In: 0.000+/-0.000 χ²/NDF:2954466.9/22
Left: 0.000+/-0.000 χ²/NDF: 6474821.5/46
Right: 0.000+/-0.000 χ²/NDF: 27679303.4/67
In: 0.000+/-0.000 χ²/NDF:14719825.1/55
Out: 0.000+/-0.000 χ²/NDF:20009319.4/58
All: 0.000+/-0.000 χ²/NDF: 36466328.8/114

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.028 χ^2/NDF: 37.3/32

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

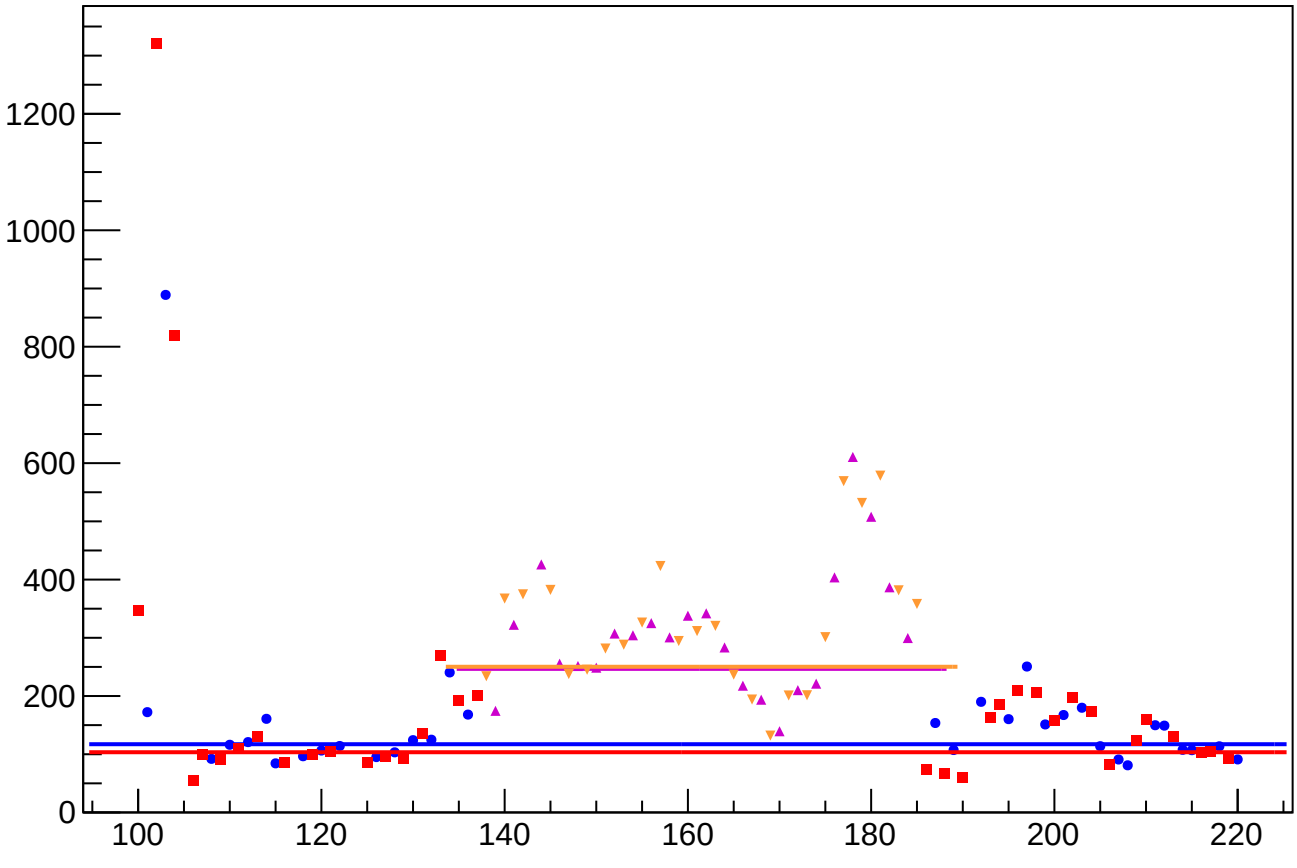
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.004+/-0.019 χ^2/NDF: 83.1/67

In: 0.022+/-0.025 χ^2/NDF:65.7/55

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: 0.002+/-0.017 χ^2/NDF: 141.3/114



Right In: 117.219+/-0.020 χ^2/NDF: 3613561.0/32

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

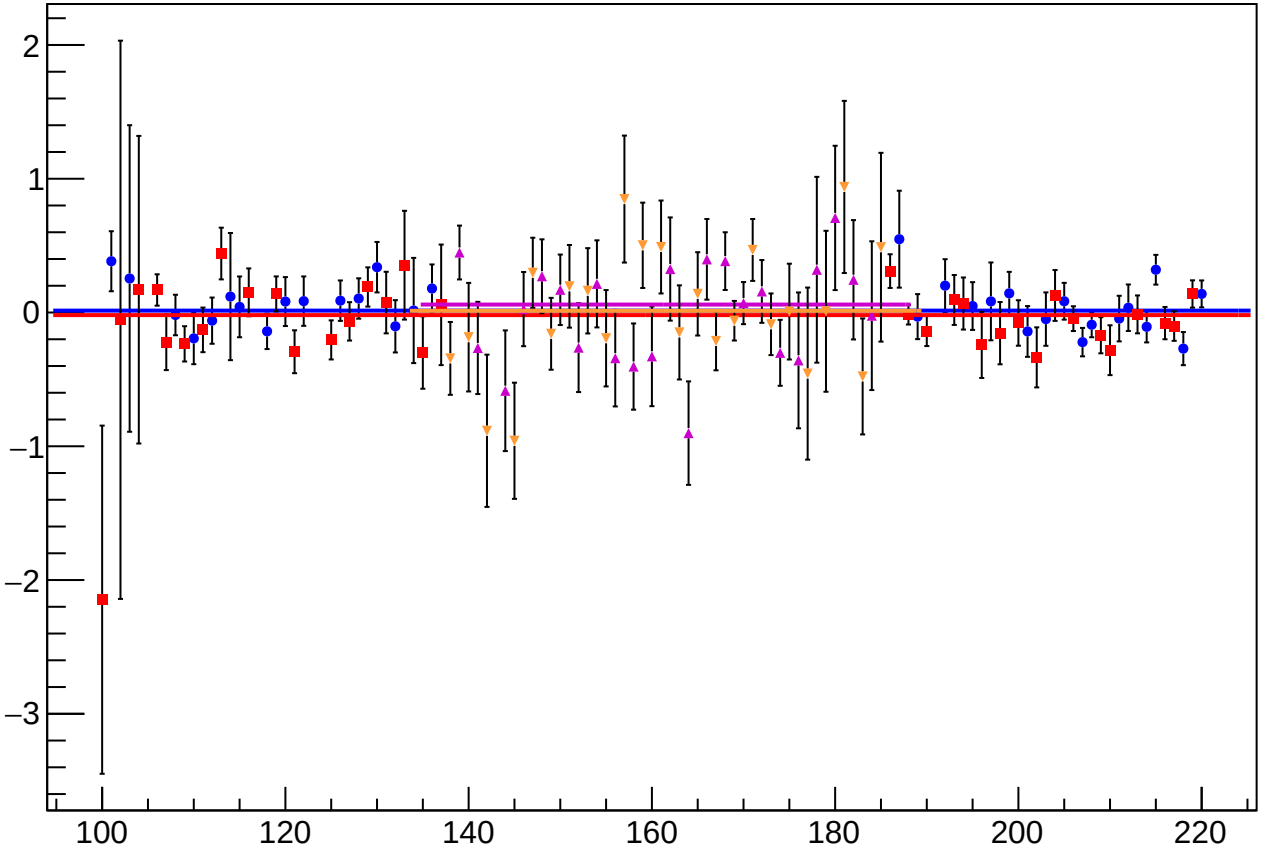
Right: 109.751+/-0.013 χ^2/NDF: 10030033.4/67

In: 138.945+/-0.018 χ^2/NDF:14634741.6/55

Out: 124.231+/-0.017 χ^2/NDF:19823871.1/58

All: 131.079+/-0.012 χ^2/NDF: 34817210.3/11

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.028 χ^2/NDF: 37.3/32

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

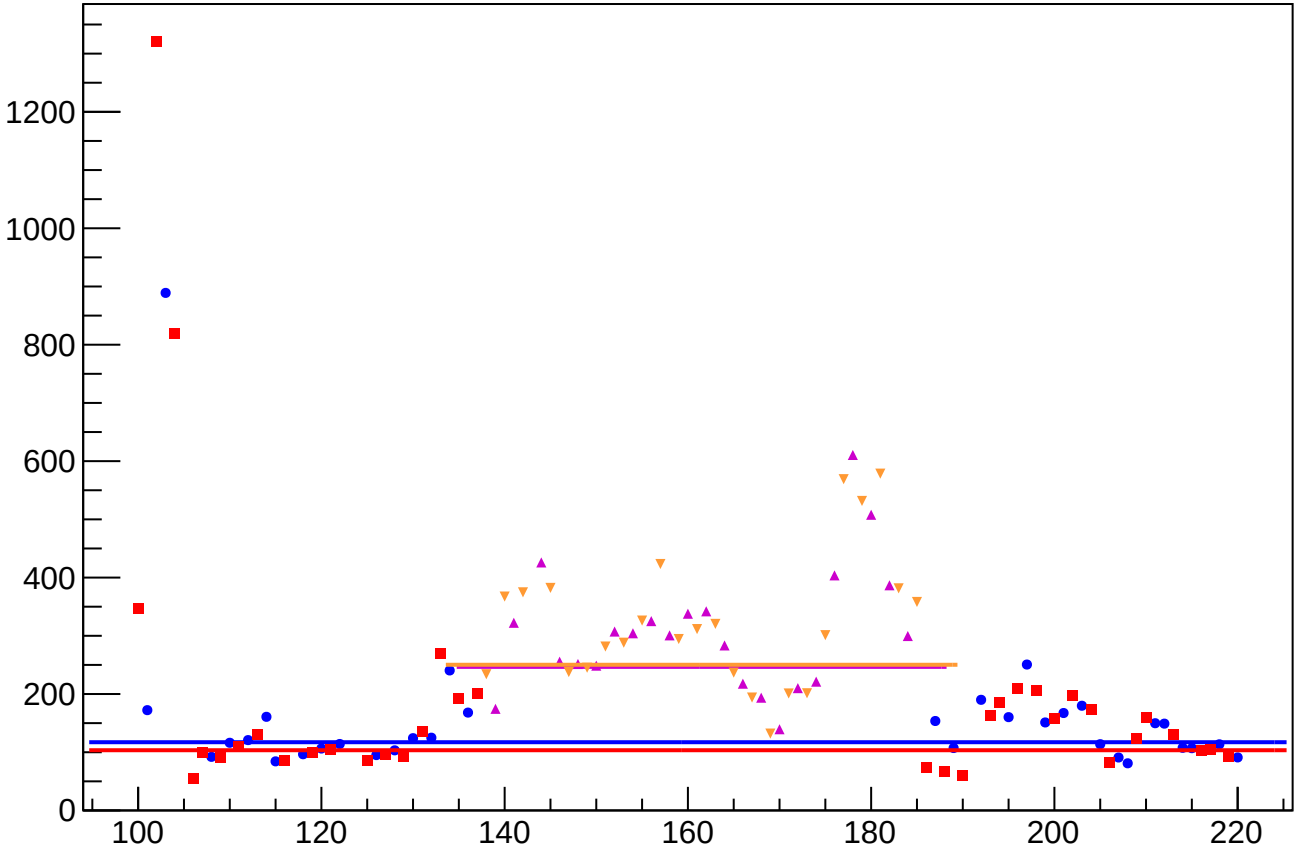
Right: -0.004+/-0.019 χ^2/NDF: 83.1/67

In: 0.022+/-0.025 χ^2/NDF:65.7/55

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: 0.002+/-0.017 χ^2/NDF: 141.3/114

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.219+/-0.020 χ^2/NDF: 3613561.0/32

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

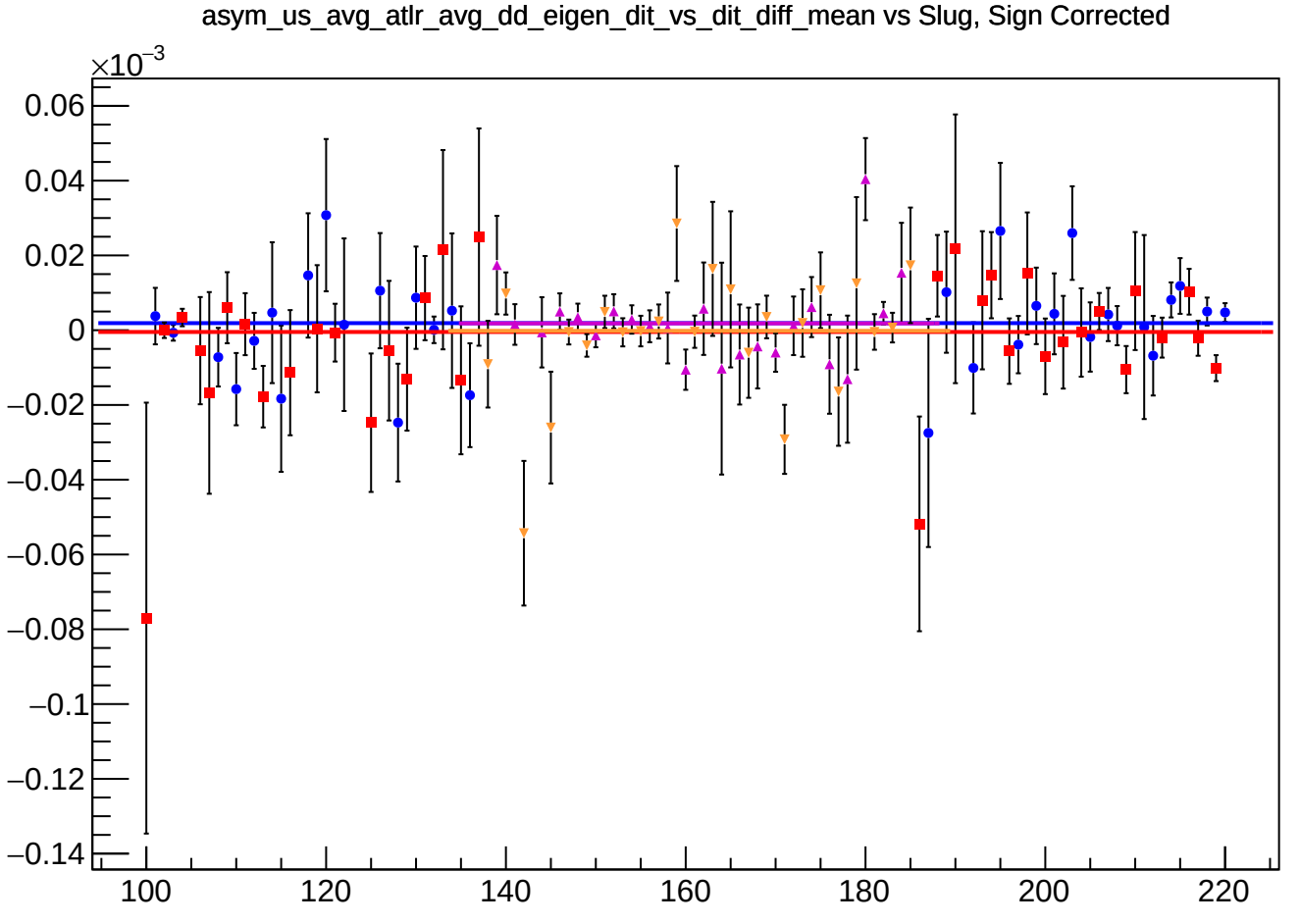
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 109.751+/-0.013 χ^2/NDF: 10030033.4/67

In: 138.945+/-0.018 χ^2/NDF:14634741.6/55

Out: 124.231+/-0.017 χ^2/NDF:19823871.1/58

All: 131.079+/-0.012 χ^2/NDF: 34817210.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/34

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

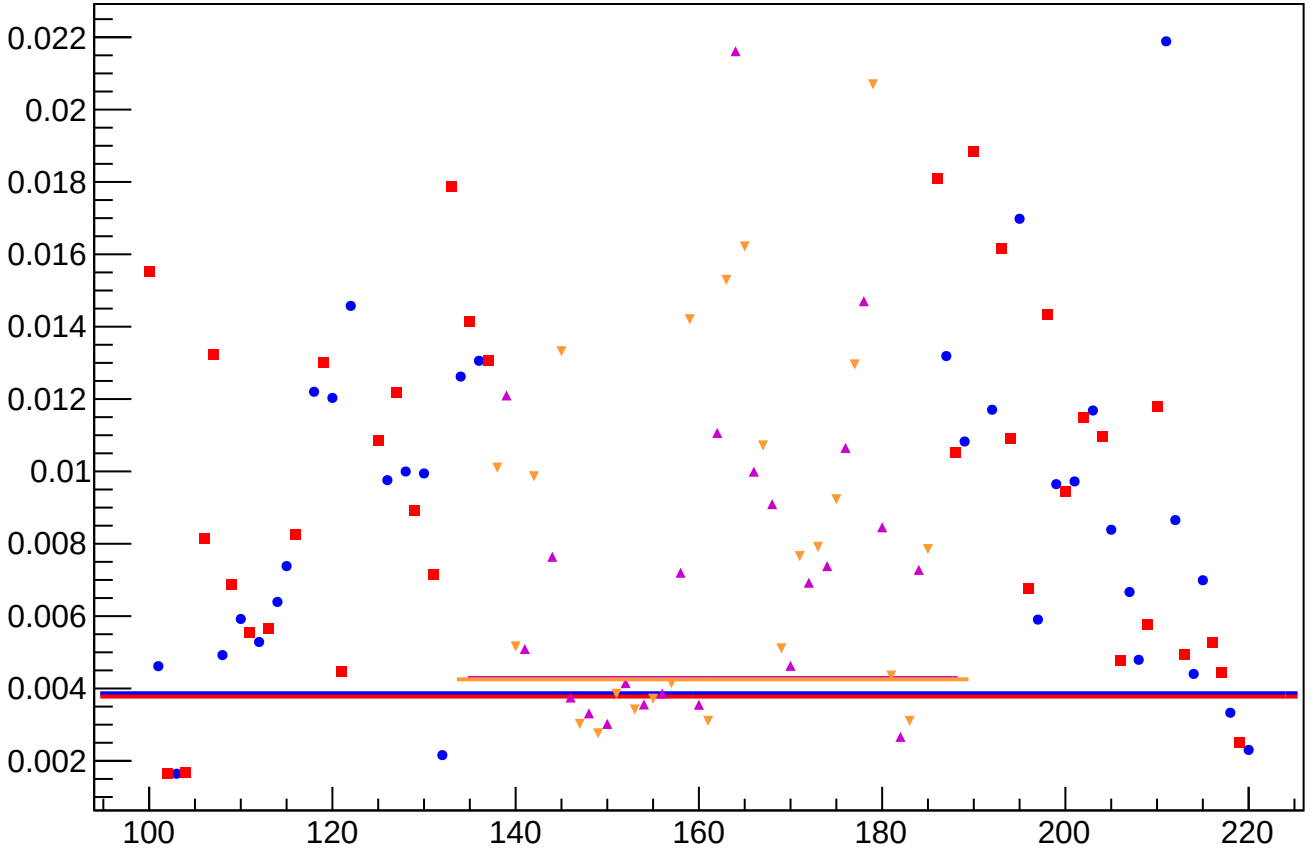
Right: 0.000+/-0.000 χ^2/NDF: 73.3/67

In: 0.000+/-0.000 χ^2/NDF:59.2/55

Out: -0.000+/-0.000 χ^2/NDF:77.2/58

All: 0.000+/-0.000 χ^2/NDF: 140.1/114

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 14580148.1/32

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 15667845.3/34

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

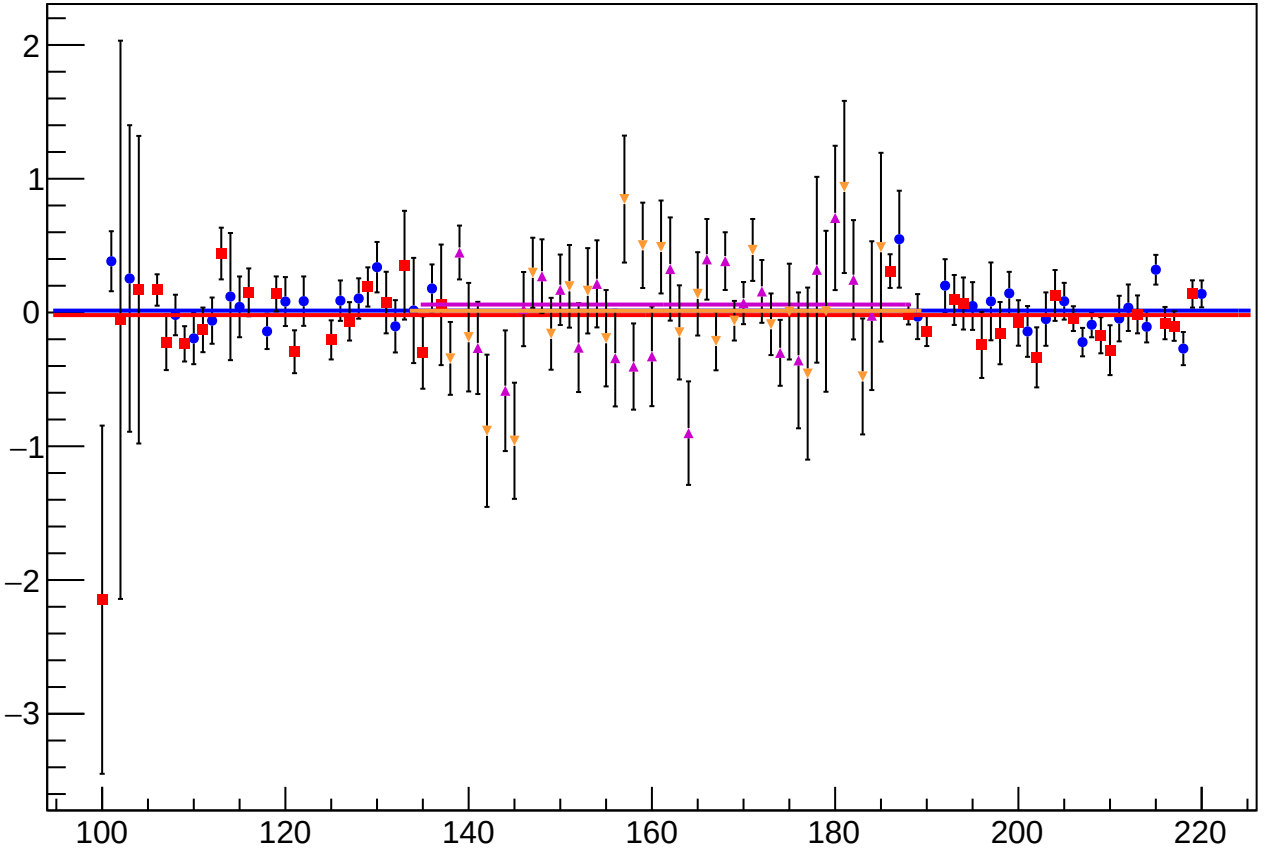
Right: 0.004+/-0.000 χ^2/NDF: 30254999.5/67

In: 0.004+/-0.000 χ^2/NDF:21314779.6/55

Out: 0.004+/-0.000 χ^2/NDF:24338525.9/58

All: 0.004+/-0.000 χ^2/NDF: 45659316.1/114

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.028 χ^2/NDF: 37.3/32

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

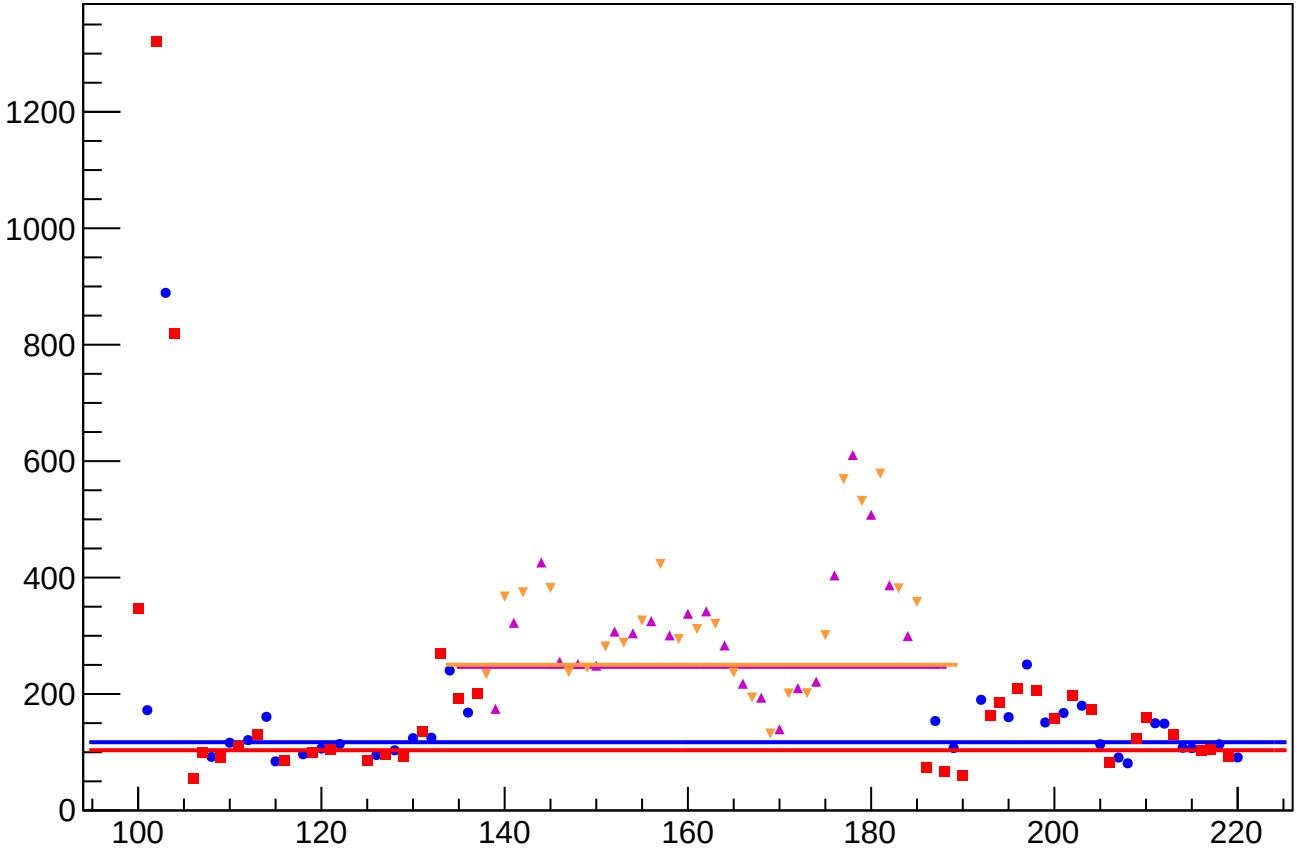
Right: -0.004+/-0.019 χ^2/NDF: 83.1/67

In: 0.022+/-0.025 χ^2/NDF:65.7/55

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: 0.002+/-0.017 χ^2/NDF: 141.3/114

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.218+/-0.020 χ^2/NDF: 3613648.9/32

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

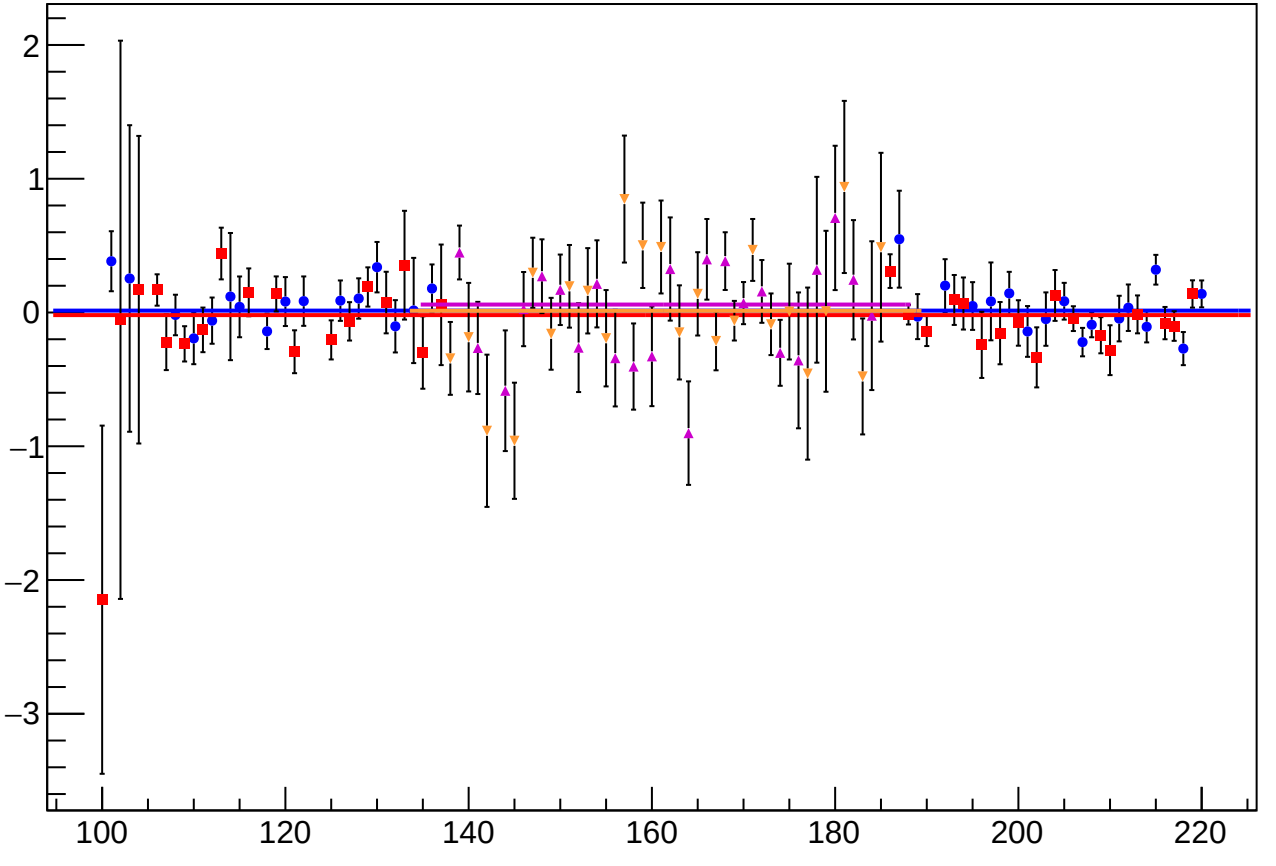
Right: 109.748+/-0.013 χ^2/NDF: 10030782.9/67

In: 138.944+/-0.018 χ^2/NDF:14635132.4/55

Out: 124.227+/-0.017 χ^2/NDF:19825085.4/58

All: 131.076+/-0.012 χ^2/NDF: 34818954.1/11

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.028 χ^2/NDF: 37.3/32

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

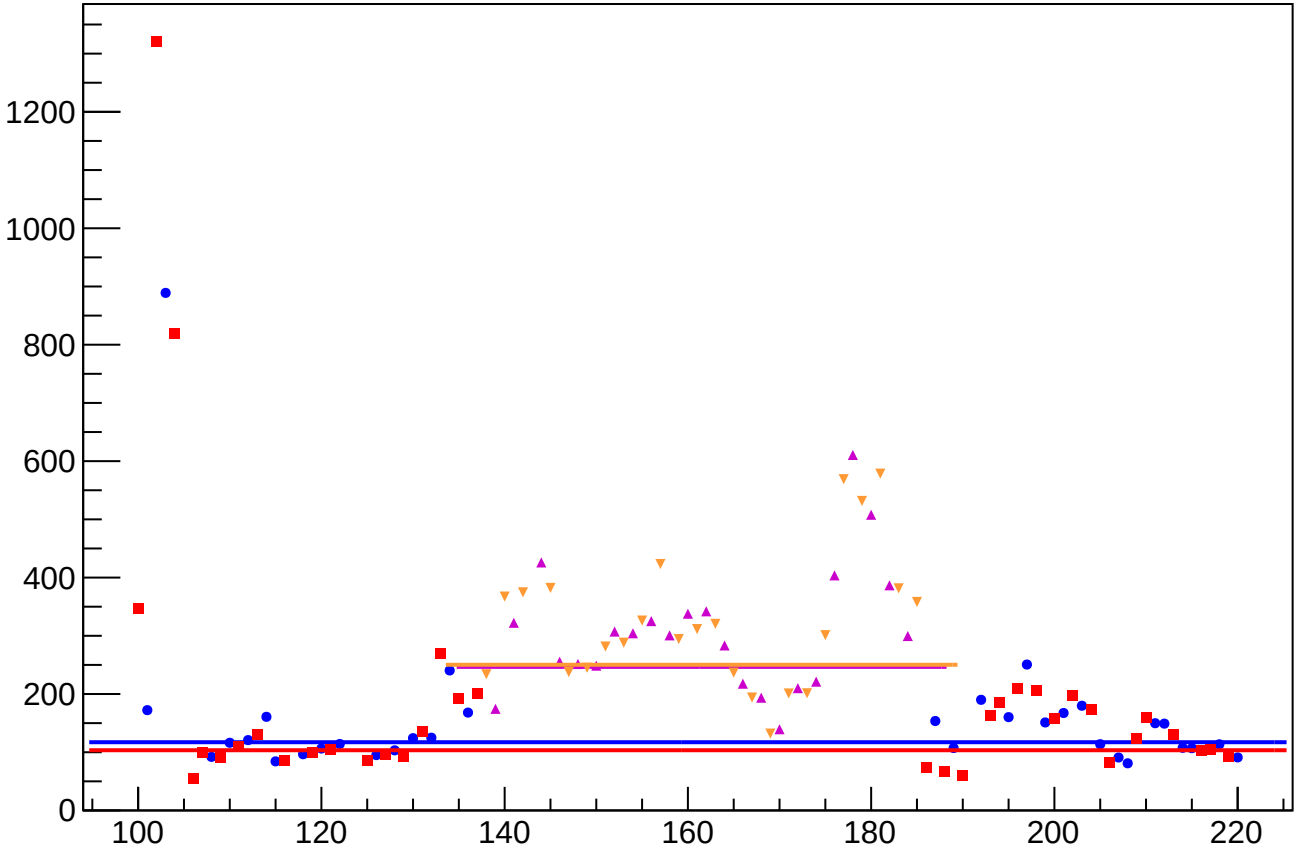
Right: -0.004+/-0.019 χ^2/NDF: 83.1/67

In: 0.022+/-0.025 χ^2/NDF:65.7/55

Out: -0.015+/-0.024 χ^2/NDF:74.6/58

All: 0.002+/-0.017 χ^2/NDF: 141.3/114

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.218+/-0.020 χ^2/NDF: 3613648.9/32

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

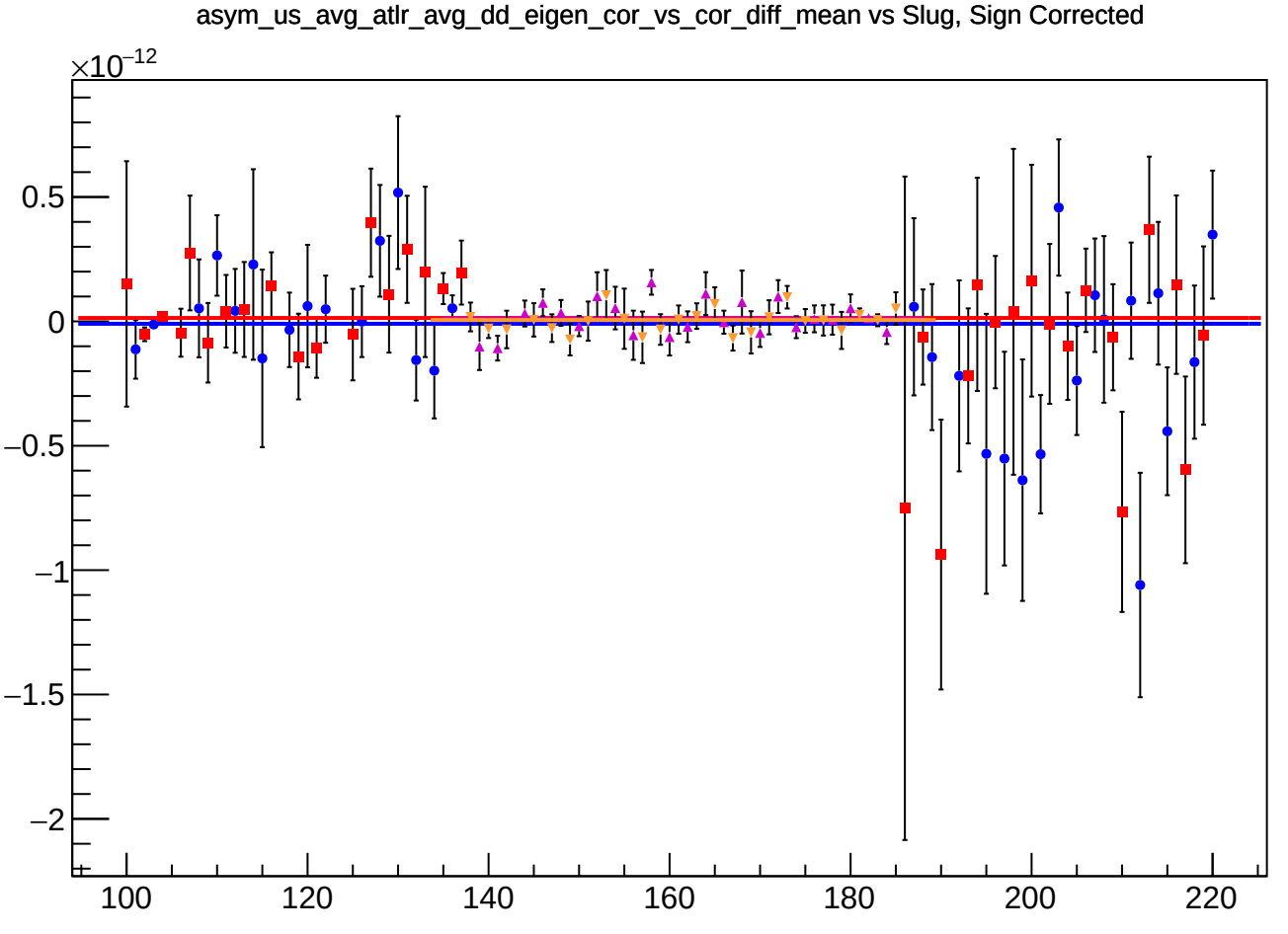
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 109.748+/-0.013 χ^2/NDF: 10030782.9/67

In: 138.944+/-0.018 χ^2/NDF:14635132.4/55

Out: 124.227+/-0.017 χ^2/NDF:19825085.4/58

All: 131.076+/-0.012 χ^2/NDF: 34818954.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/34

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

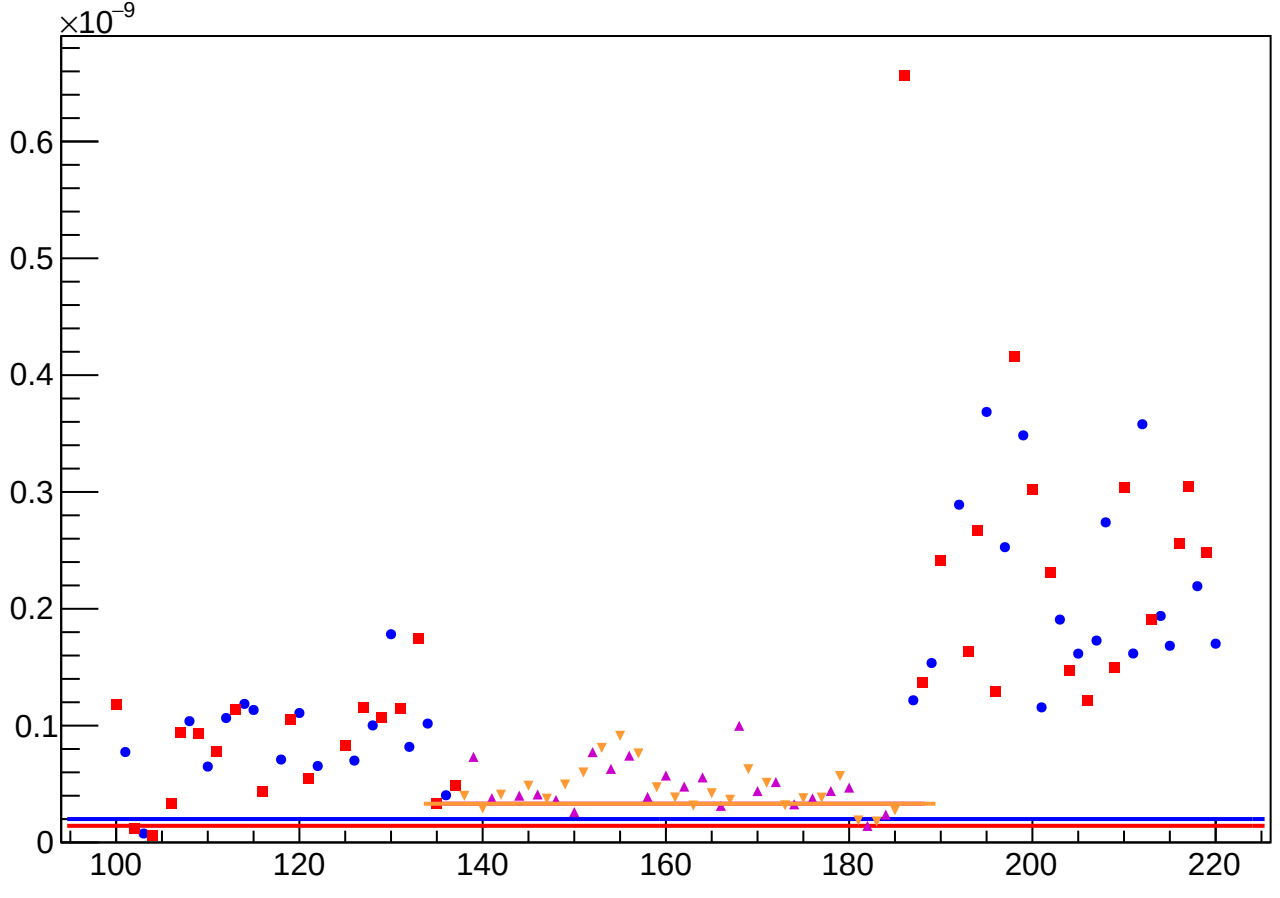
Right: 0.000+/-0.000 χ^2/NDF: 75.2/67

In: 0.000+/-0.000 χ^2/NDF:67.1/55

Out: 0.000+/-0.000 χ^2/NDF:49.5/58

All: 0.000+/-0.000 χ^2/NDF: 117.1/114

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18817831.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18913380.6/34

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

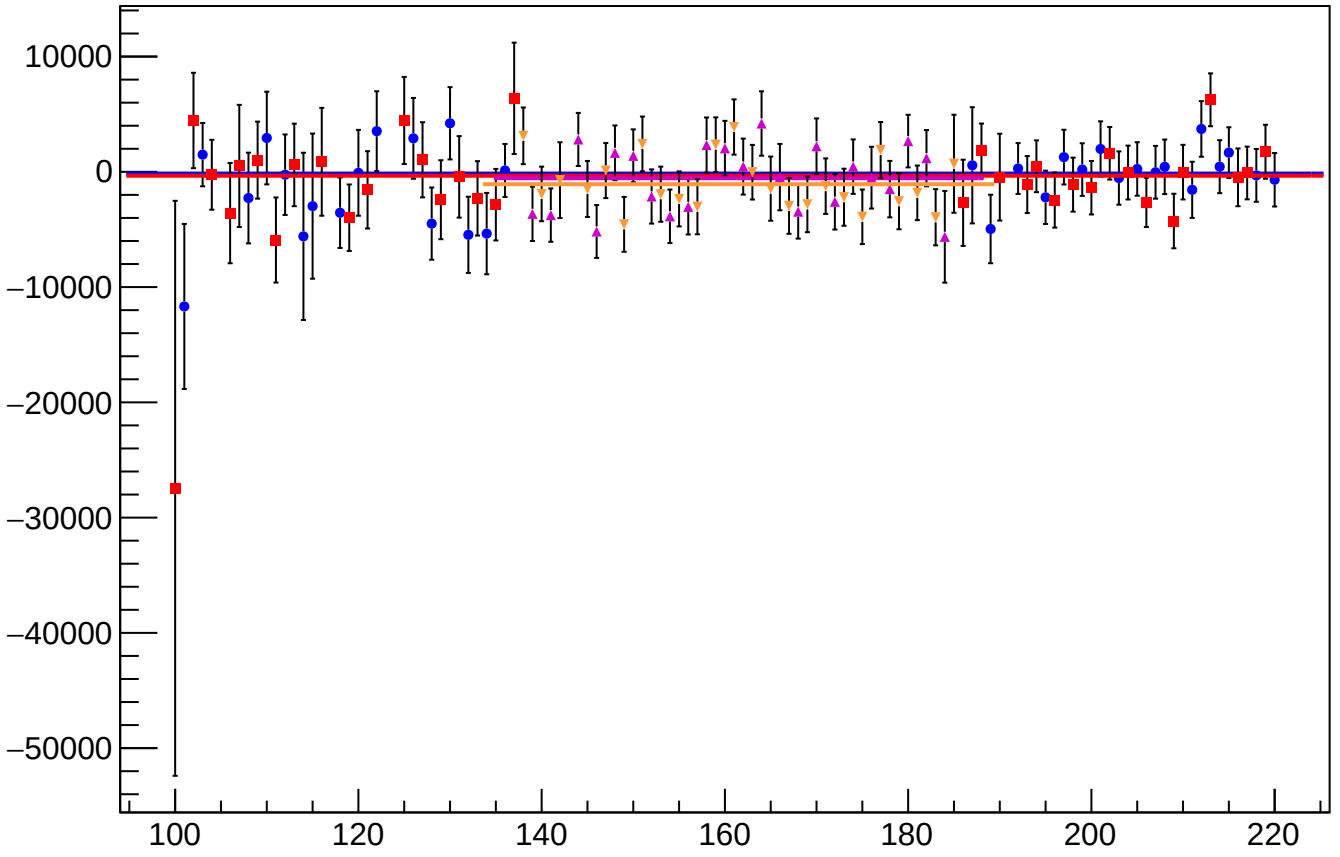
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 38004543.3/67

In: 0.000+/-0.000 χ^2/NDF:25167369.3/55

Out: 0.000+/-0.000 χ^2/NDF:26428300.4/58

All: 0.000+/-0.000 χ^2/NDF: 51966571.1/114



Right In: -150.799+/-484.722 χ^2/NDF: 24.8/32

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -336.877+/-486.211 χ^2/NDF: 28.9/34

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

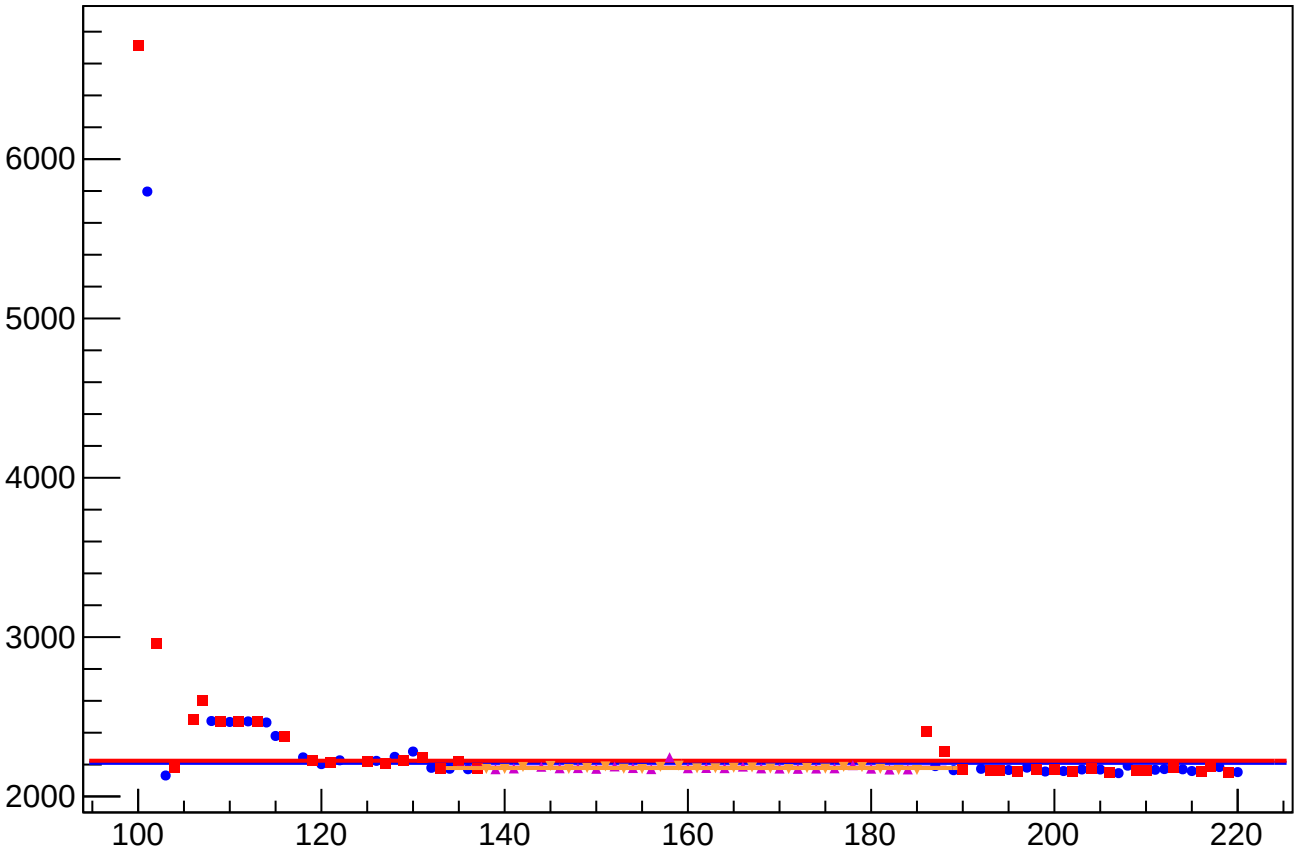
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -243.553+/-343.275 χ^2/NDF: 53.8/67

In: -343.924+/-351.088 χ^2/NDF:53.9/55

Out: -690.535+/-350.435 χ^2/NDF:51.5/58

All: -517.552+/-248.025 χ^2/NDF: 105.9/114



Right In: 2210.796+/-0.343 χ^2/NDF: 549870.4/32

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2224.160+/-0.344 χ^2/NDF: 202422.7/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

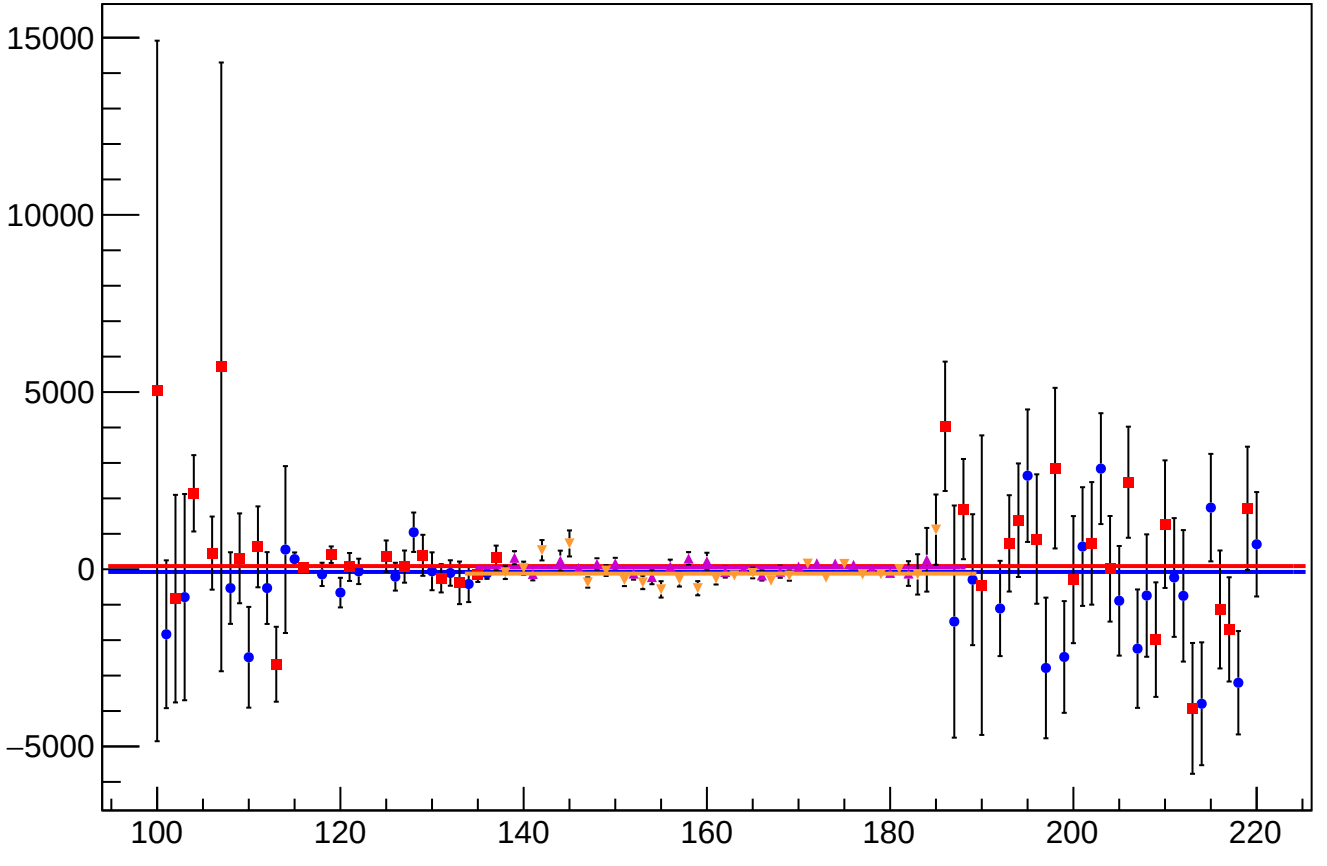
Right: 2217.458+/-0.243 χ^2/NDF: 753051.0/67

In: 2196.593+/-0.248 χ^2/NDF:555348.8/55

Out: 2202.097+/-0.248 χ^2/NDF:211382.7/58

All: 2199.350+/-0.175 χ^2/NDF: 766977.7/114

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -75.563+/-88.704 χ^2/NDF: 38.4/32

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 89.565+/-80.776 χ^2/NDF: 38.4/34

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

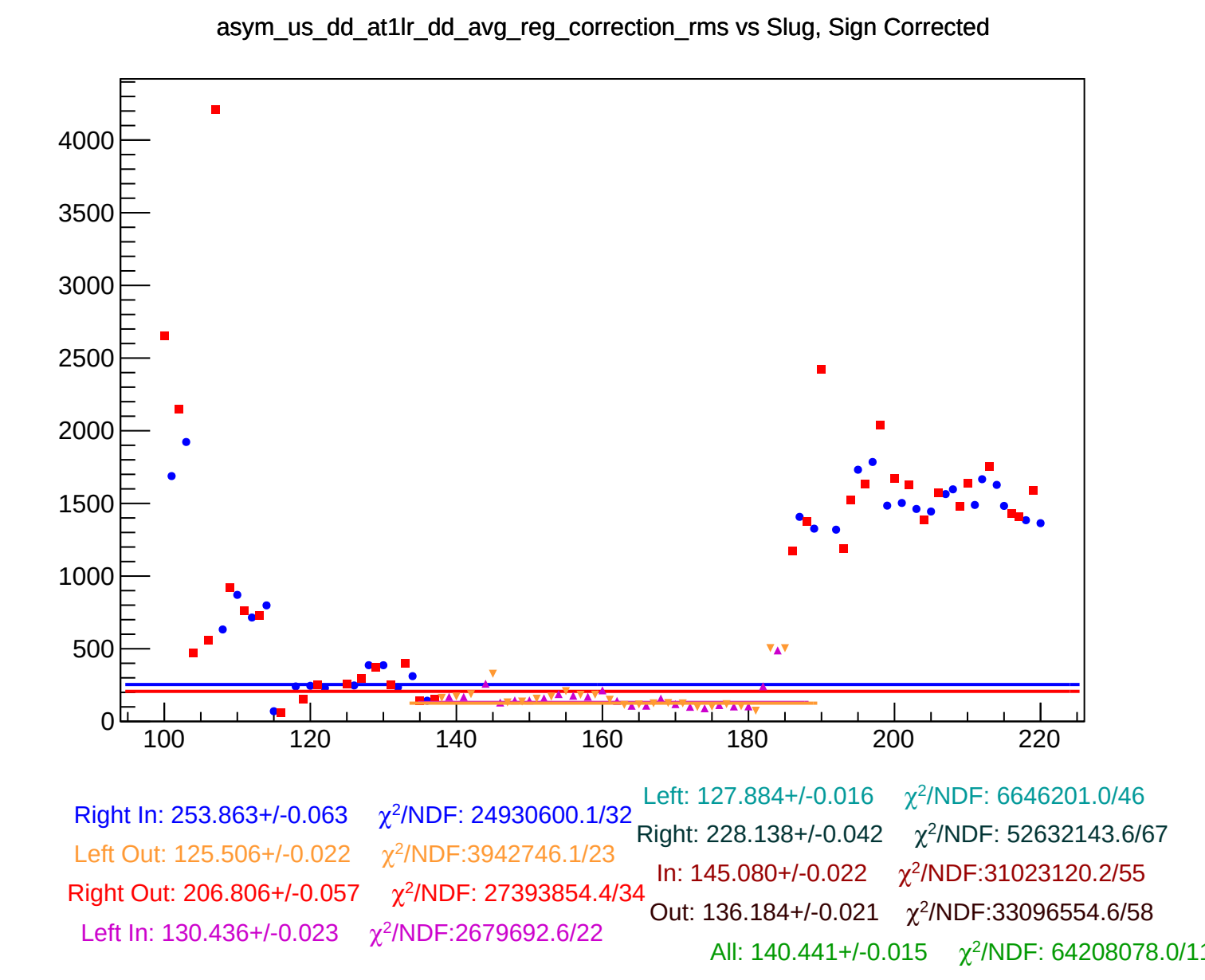
Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

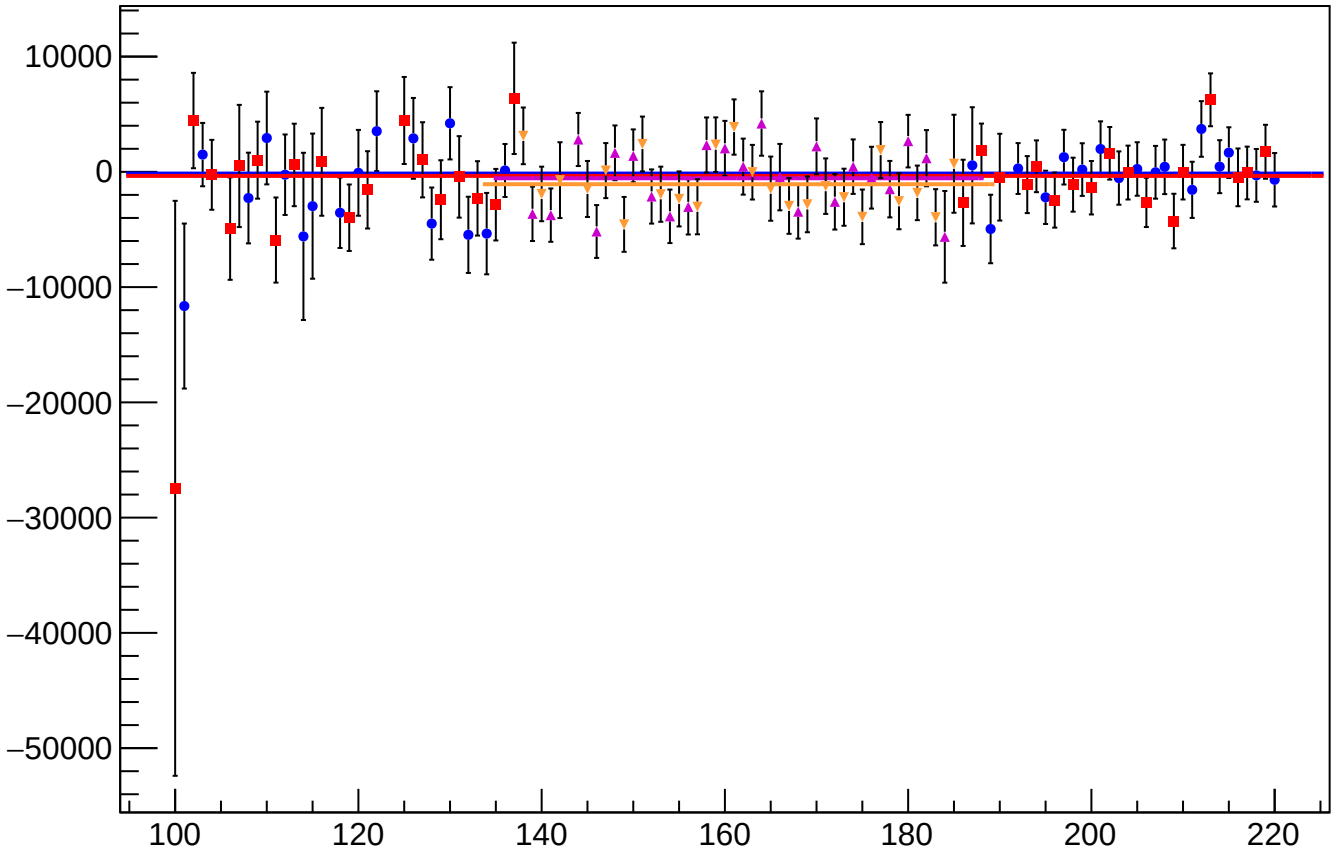
Right: 14.708+/-59.724 χ^2/NDF: 78.6/67

In: 35.382+/-30.553 χ^2/NDF:58.4/55

Out: -95.090+/-29.273 χ^2/NDF:88.2/58

All: -32.645+/-21.137 χ^2/NDF: 156.1/114


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 253.863+/-0.063 χ²/NDF: 24930600.1/32
Left Out: 125.506+/-0.022 χ²/NDF:3942746.1/23
Right Out: 206.806+/-0.057 χ²/NDF: 27393854.4/34
Left In: 130.436+/-0.023 χ²/NDF:2679692.6/22
Left: 127.884+/-0.016 χ²/NDF: 6646201.0/46
Right: 228.138+/-0.042 χ²/NDF: 52632143.6/67
In: 145.080+/-0.022 χ²/NDF:31023120.2/55
Out: 136.184+/-0.021 χ²/NDF:33096554.6/58
All: 140.441+/-0.015 χ²/NDF: 64208078.0/11



Right In: -150.393+/-484.722 χ^2/NDF: 24.8/32

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -351.432+/-486.337 χ^2/NDF: 29.4/34

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

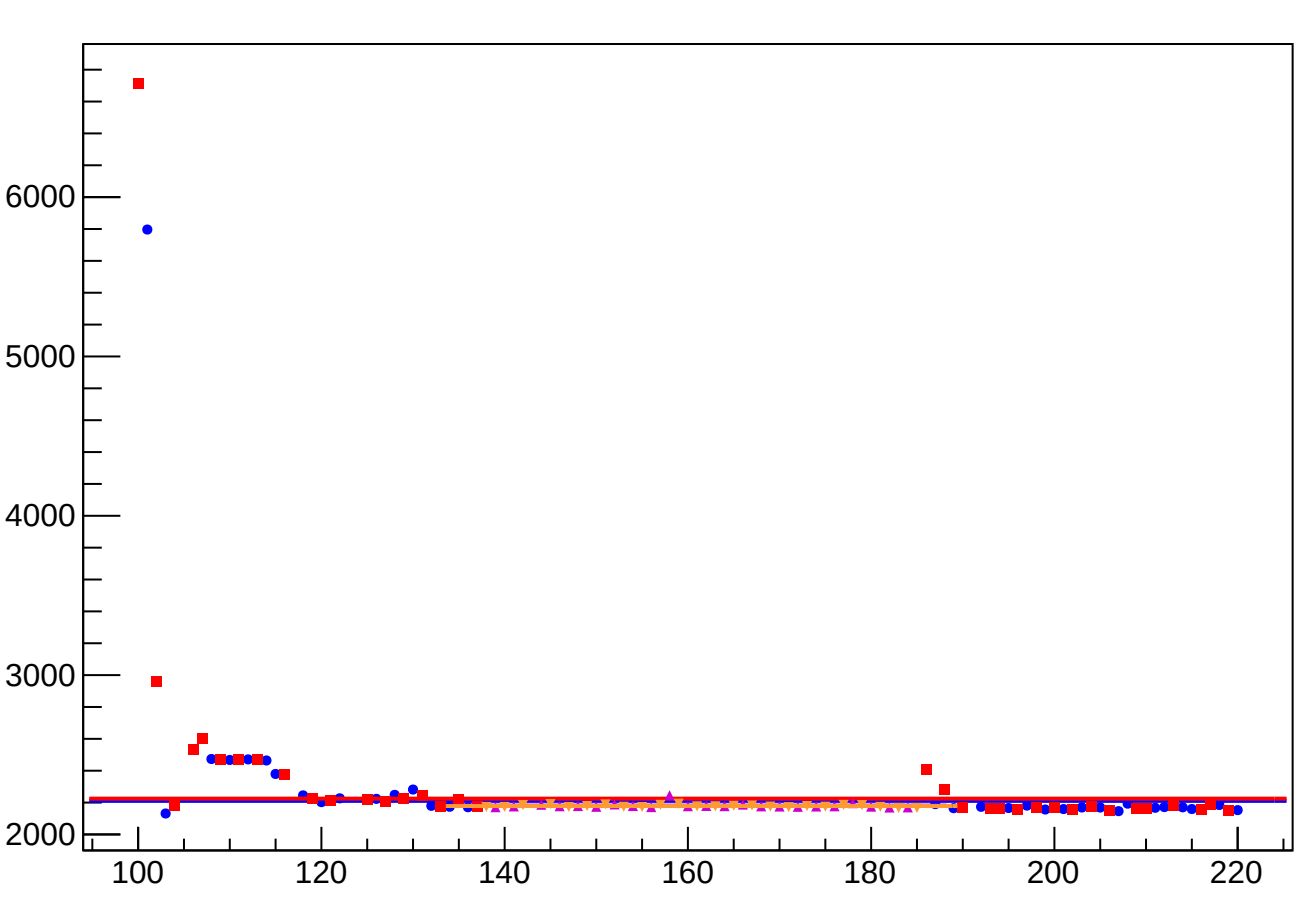
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -250.578+/-343.320 χ^2/NDF: 54.3/67

In: -343.723+/-351.088 χ^2/NDF:53.9/55

Out: -698.156+/-350.482 χ^2/NDF:52.0/58

All: -521.246+/-248.042 χ^2/NDF: 106.4/114



Right In: 2210.796+/-0.343 χ^2/NDF: 549870.8/32

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

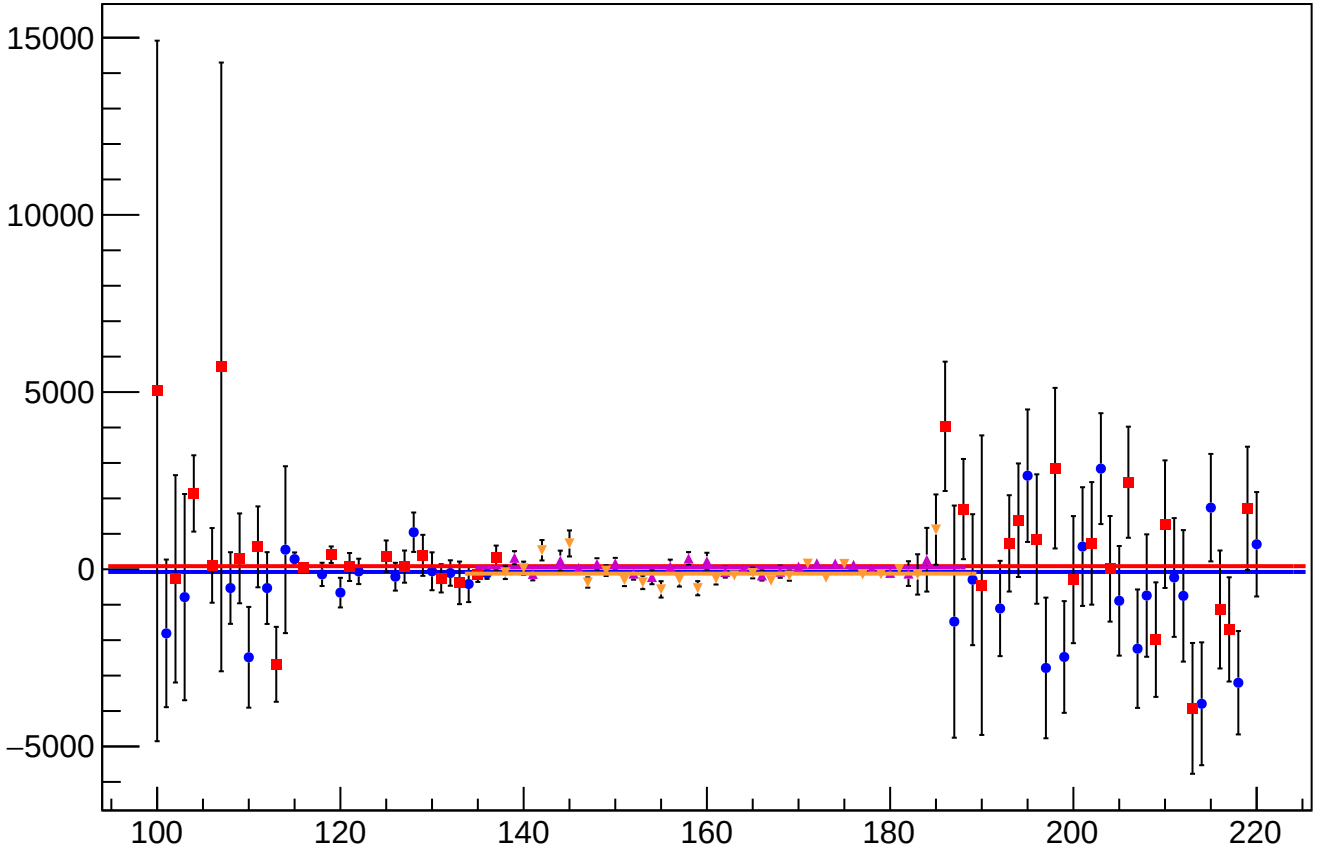
Right: 2217.691+/-0.243 χ^2/NDF: 755735.8/67

In: 2196.593+/-0.248 χ^2/NDF:555349.1/55

Out: 2202.336+/-0.248 χ^2/NDF:214188.0/58

All: 2199.470+/-0.175 χ^2/NDF: 769805.2/114

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -75.598+/-88.709 χ^2/NDF: 38.3/32

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 87.619+/-80.718 χ^2/NDF: 38.1/34

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

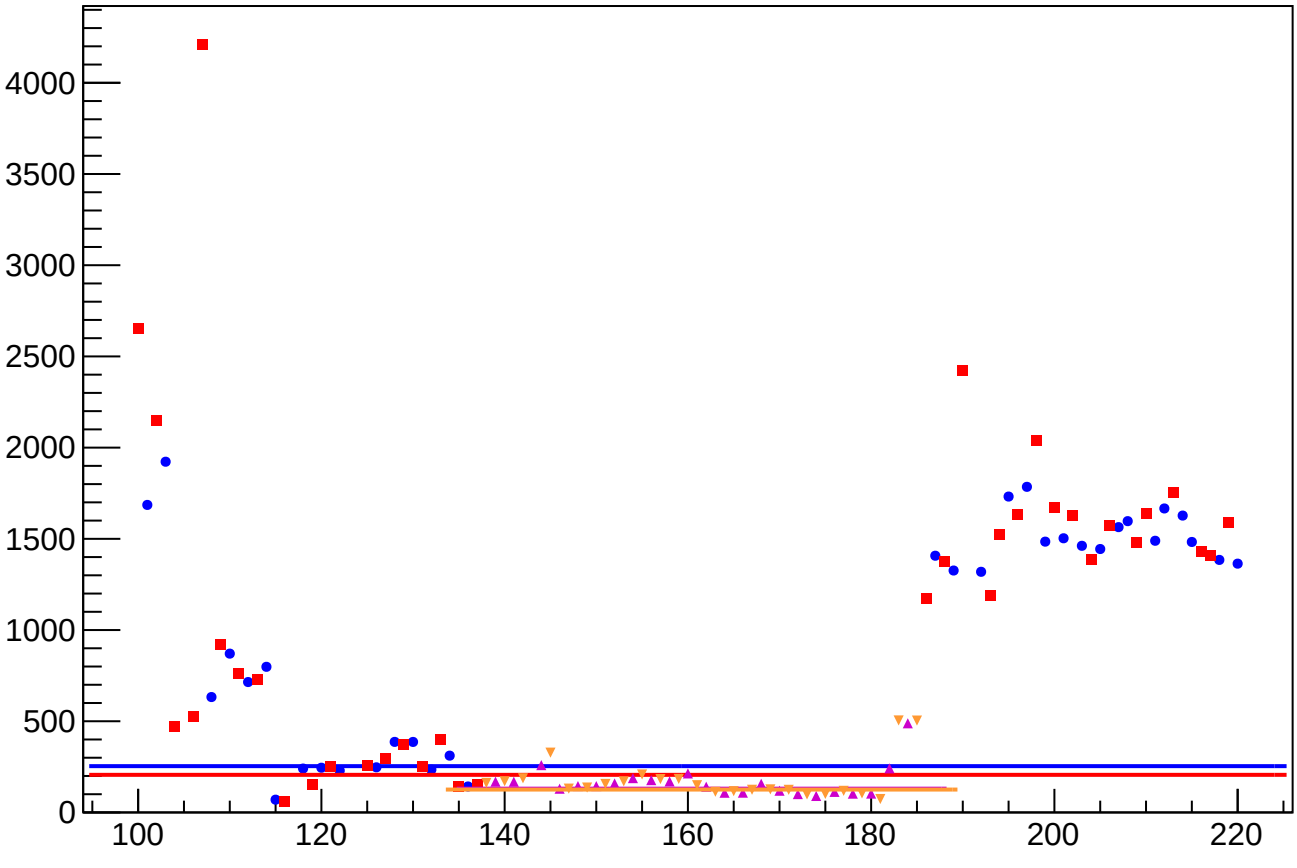
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

Right: 13.692+/-59.702 χ^2/NDF: 78.3/67

In: 35.283+/-30.556 χ^2/NDF:58.4/55

Out: -95.242+/-29.270 χ^2/NDF:87.8/58

All: -32.784+/-21.137 χ^2/NDF: 155.7/114



Right In: 253.893+/-0.063 χ^2/NDF: 24928664.1/32

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF: 27366476.2/34

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

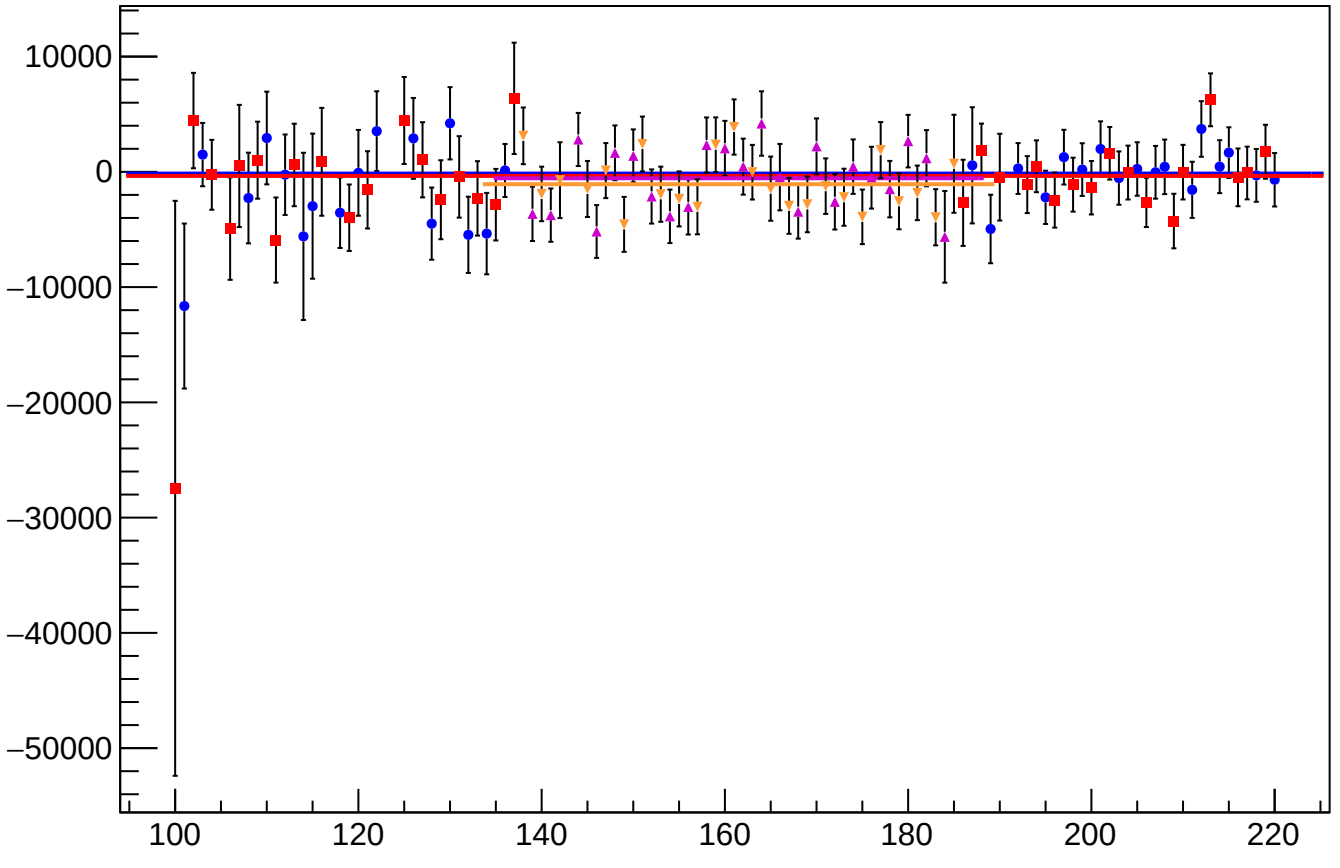
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 227.801+/-0.042 χ^2/NDF: 52611435.1/67

In: 145.097+/-0.022 χ^2/NDF:31021288.7/55

Out: 136.114+/-0.021 χ^2/NDF:33046063.2/58

All: 140.412+/-0.015 χ^2/NDF: 64157503.9/11



Right In: -150.393+/-484.722 χ^2/NDF: 24.8/32

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -351.432+/-486.337 χ^2/NDF: 29.4/34

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

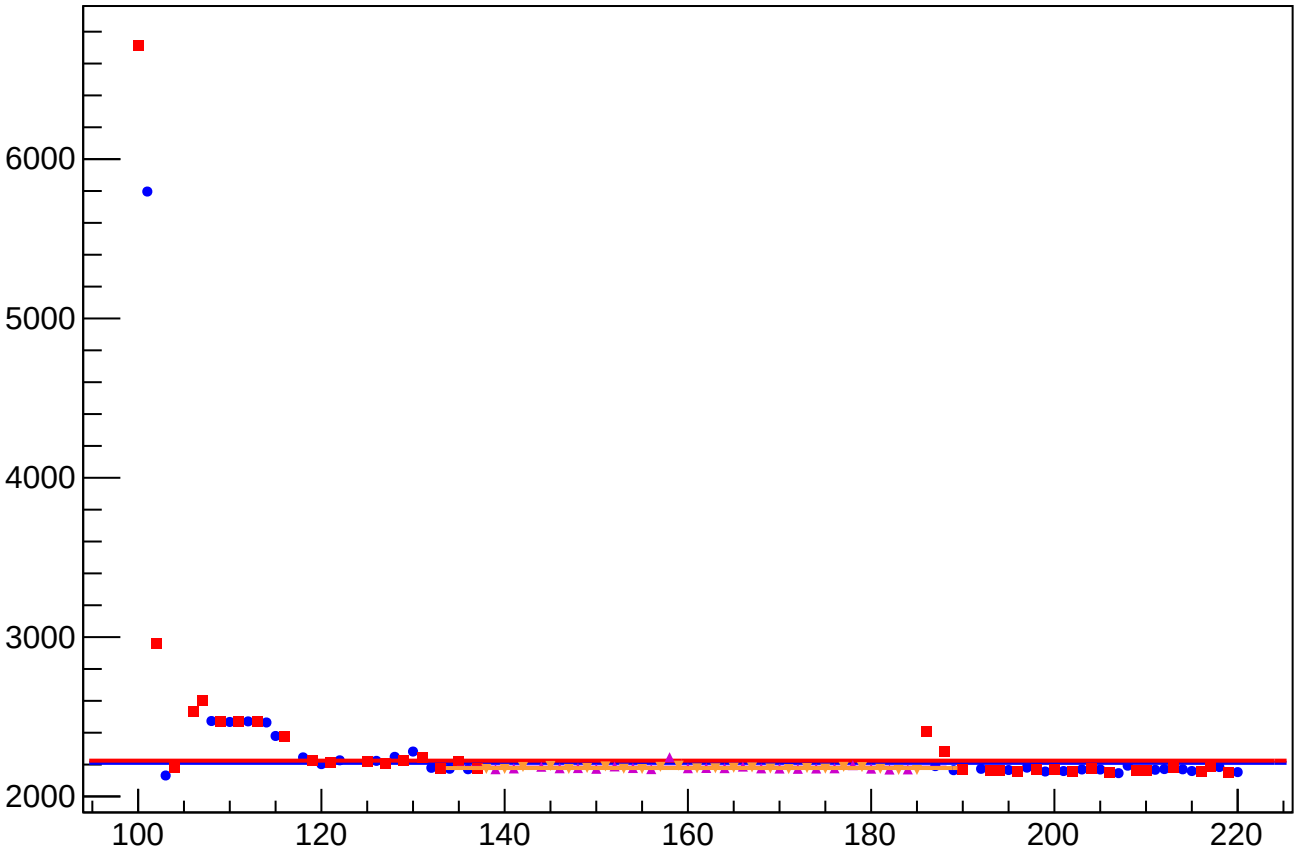
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -250.578+/-343.320 χ^2/NDF: 54.3/67

In: -343.723+/-351.088 χ^2/NDF:53.9/55

Out: -698.156+/-350.482 χ^2/NDF:52.0/58

All: -521.246+/-248.042 χ^2/NDF: 106.4/114



Right In: 2210.796+/-0.343 χ^2/NDF: 549870.8/32

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

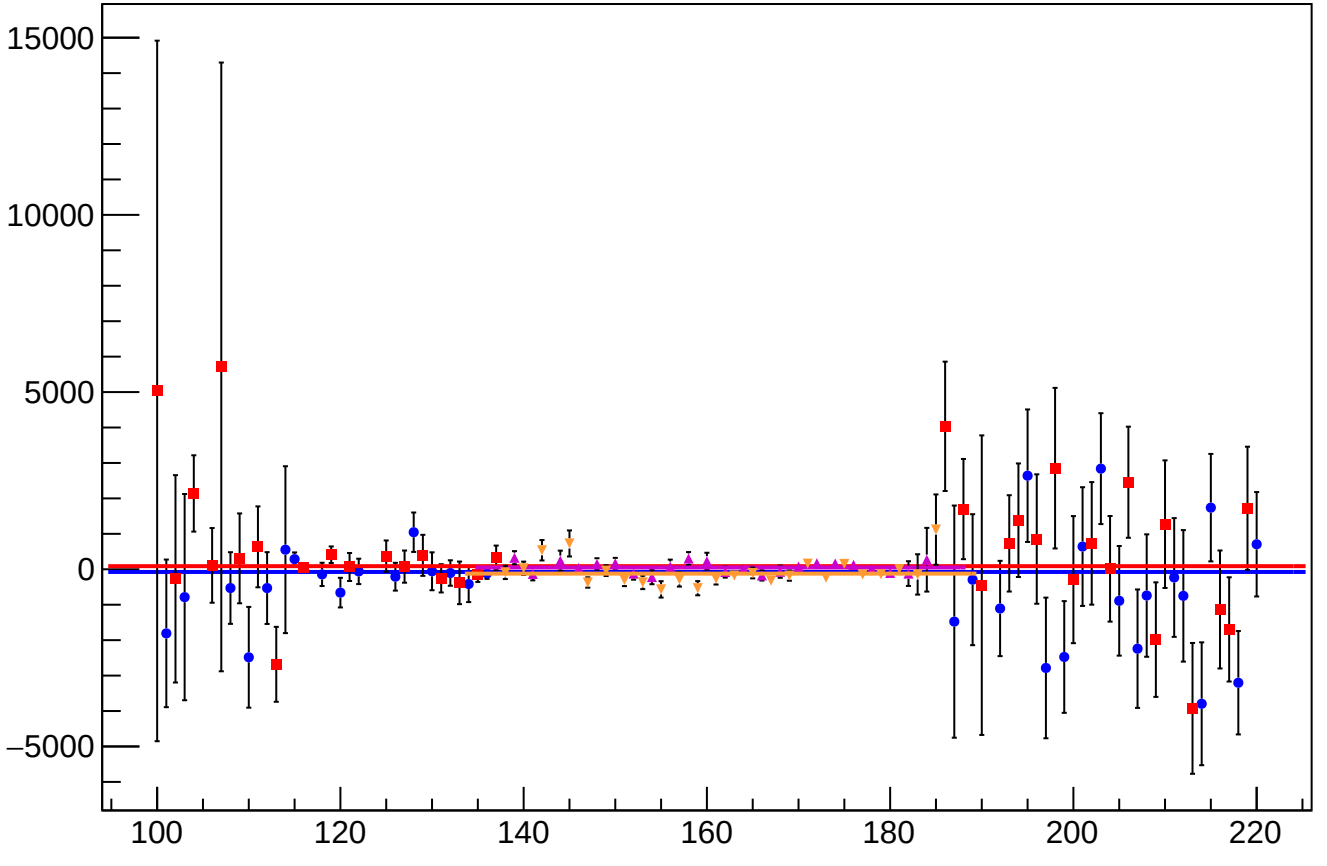
Right: 2217.691+/-0.243 χ^2/NDF: 755735.8/67

In: 2196.593+/-0.248 χ^2/NDF:555349.1/55

Out: 2202.336+/-0.248 χ^2/NDF:214188.0/58

All: 2199.470+/-0.175 χ^2/NDF: 769805.2/114

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -75.598+/-88.709 χ^2/NDF: 38.3/32

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 87.619+/-80.718 χ^2/NDF: 38.1/34

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

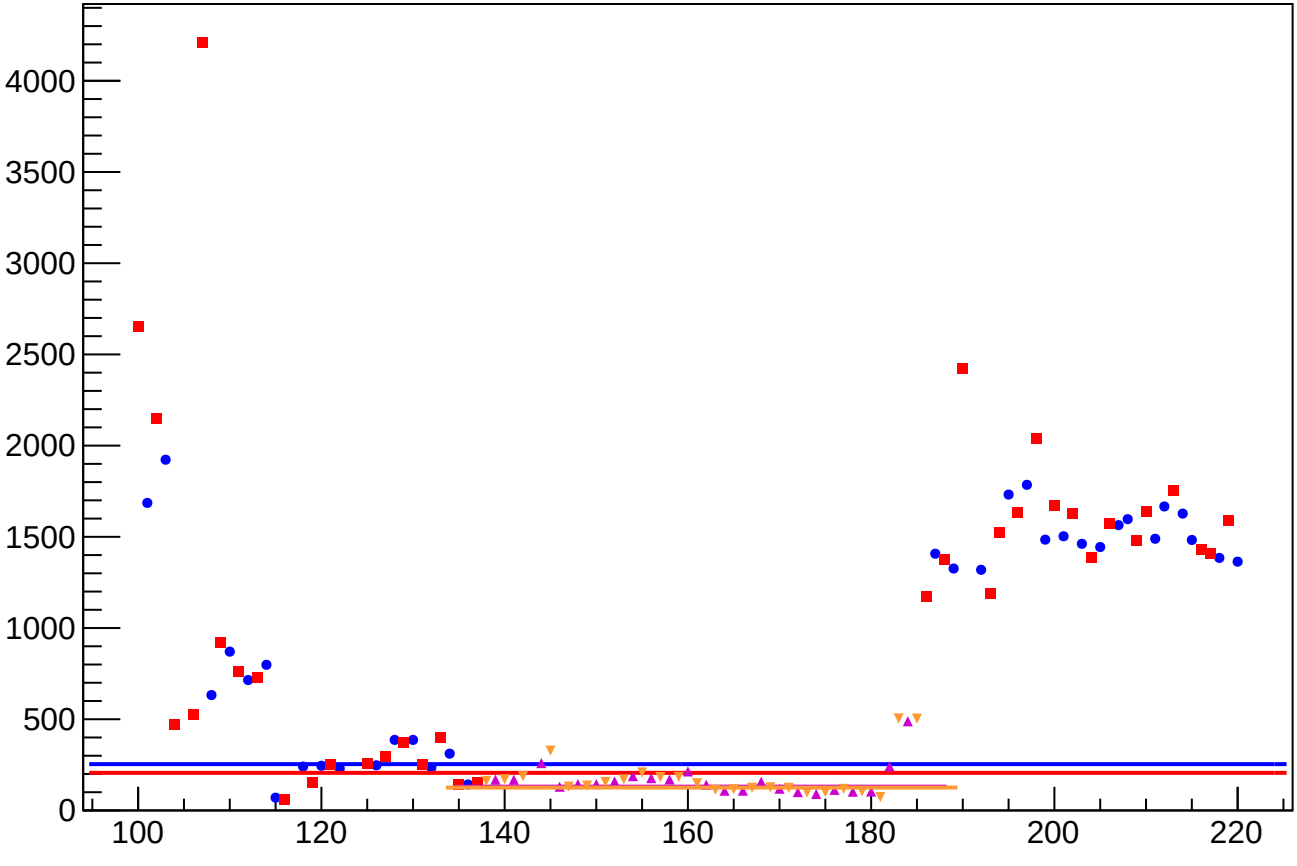
Right: 13.692+/-59.702 χ^2/NDF: 78.3/67

In: 35.283+/-30.556 χ^2/NDF:58.4/55

Out: -95.242+/-29.270 χ^2/NDF:87.8/58

All: -32.784+/-21.137 χ^2/NDF: 155.7/114

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 253.893+/-0.063 χ^2/NDF: 24928664.1/32

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF: 27366476.2/34

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

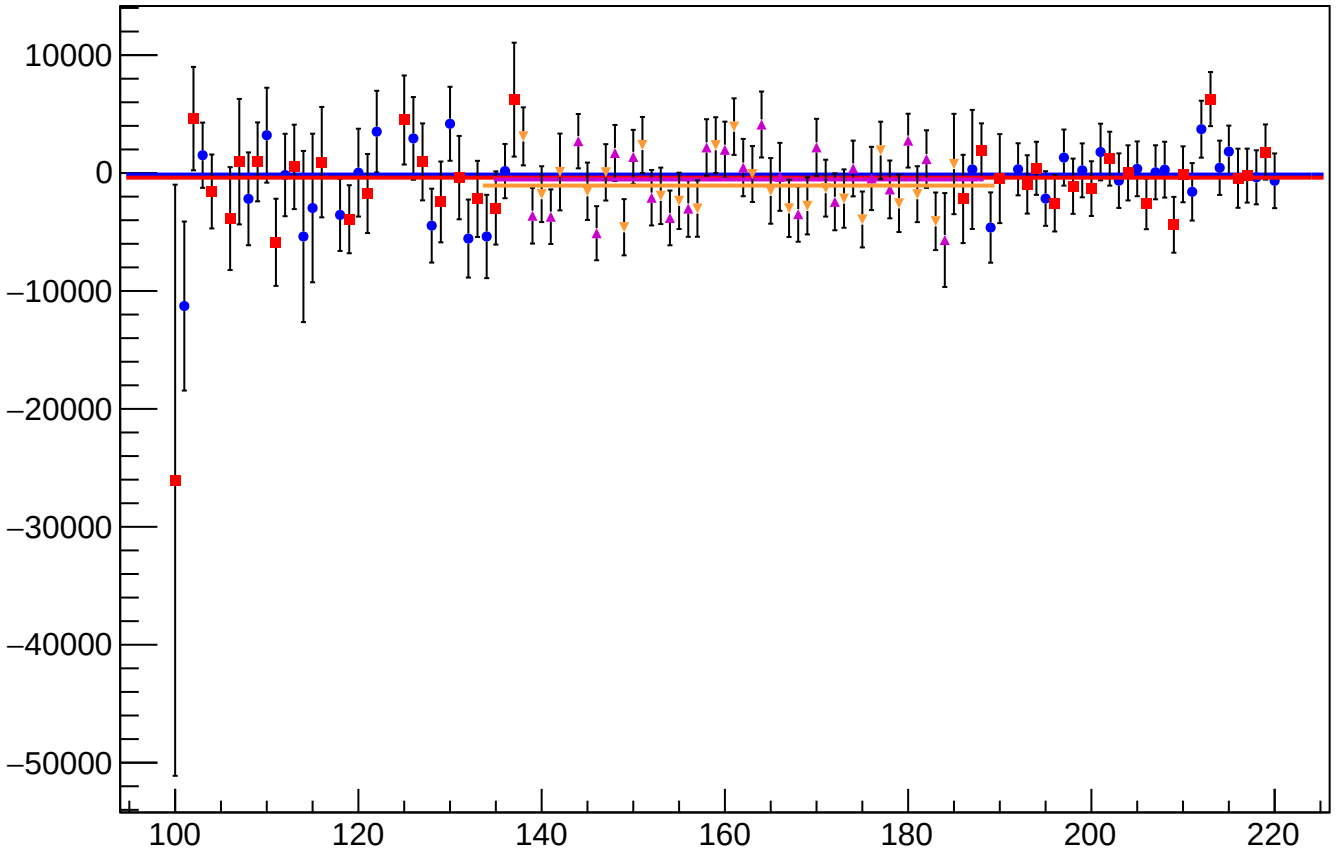
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 227.801+/-0.042 χ^2/NDF: 52611435.1/67

In: 145.097+/-0.022 χ^2/NDF:31021288.7/55

Out: 136.114+/-0.021 χ^2/NDF:33046063.2/58

All: 140.412+/-0.015 χ^2/NDF: 64157503.9/11



Right In: -130.542+/-485.206 χ^2/NDF: 24.4/32

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -392.423+/-487.480 χ^2/NDF: 28.6/34

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

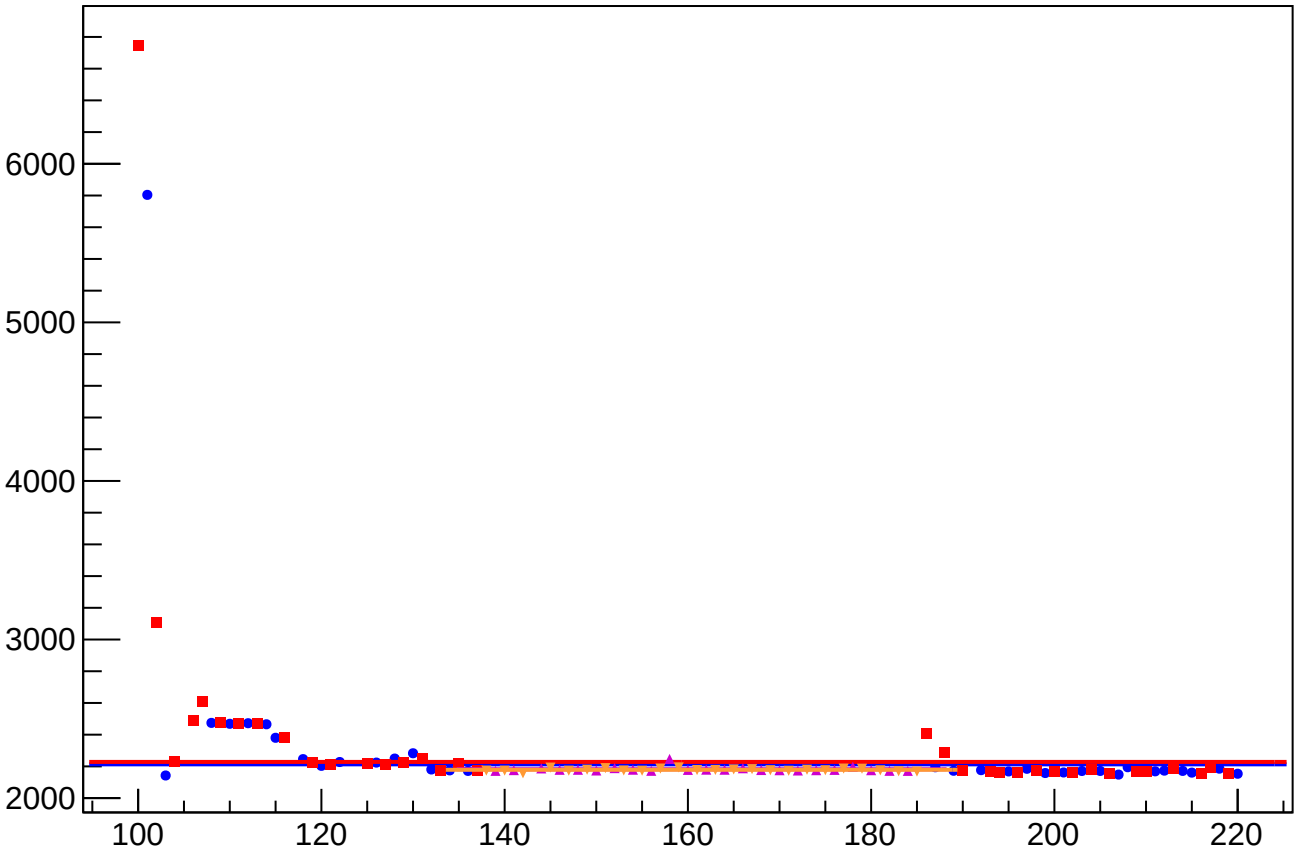
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -260.870+/-343.893 χ^2/NDF: 53.1/67

In: -327.330+/-351.345 χ^2/NDF:52.6/55

Out: -715.160+/-350.940 χ^2/NDF:51.4/58

All: -521.468+/-248.295 χ^2/NDF: 104.6/114



Right In: 2212.921+/-0.343 χ^2/NDF: 549399.5/32

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2228.221+/-0.345 χ^2/NDF: 221154.8/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

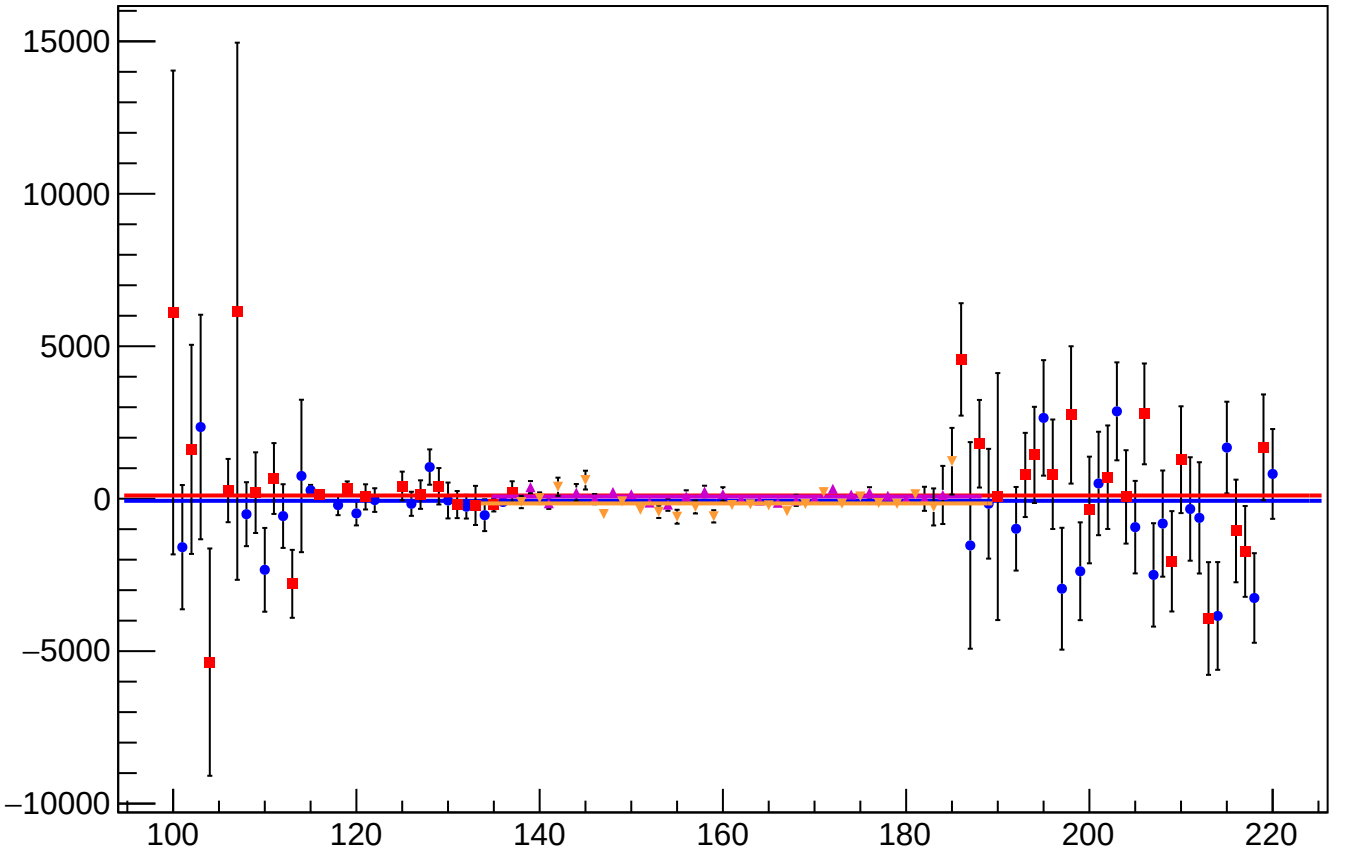
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2220.535+/-0.243 χ^2/NDF: 771544.0/67

In: 2198.157+/-0.248 χ^2/NDF:555130.7/55

Out: 2204.270+/-0.248 χ^2/NDF:231632.8/58

All: 2201.217+/-0.176 χ^2/NDF: 787066.5/114



Right In: -69.221+/-90.119 χ^2/NDF: 38.1/32

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 104.649+/-84.276 χ^2/NDF: 37.3/34

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

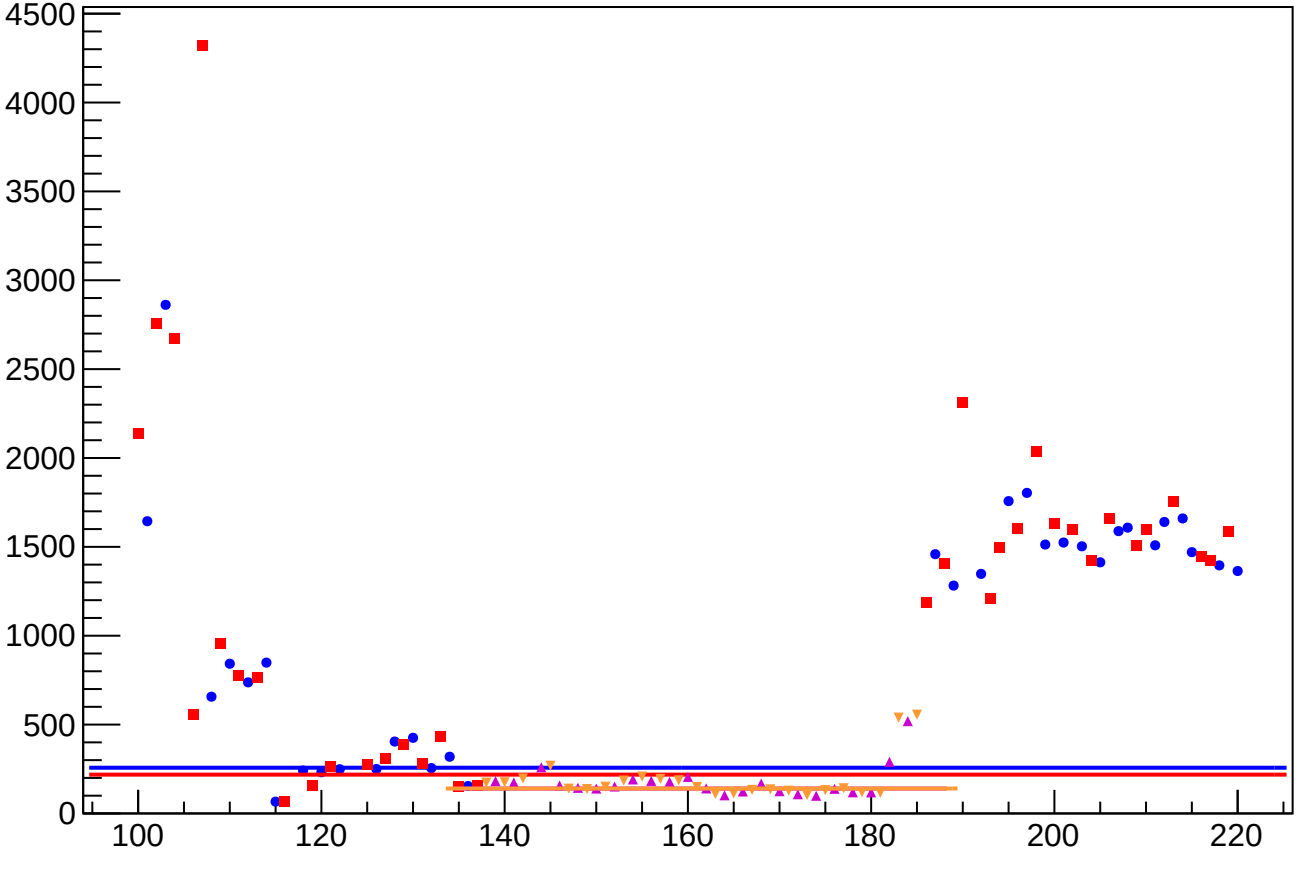
Right: 23.533+/-61.554 χ^2/NDF: 77.4/67

In: 52.593+/-31.978 χ^2/NDF:59.1/55

Out: -118.307+/-31.579 χ^2/NDF:92.8/58

All: -33.931+/-22.470 χ^2/NDF: 166.4/114

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 257.319+/-0.064 χ^2/NDF: 25467567.3/32

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 218.418+/-0.060 χ^2/NDF: 28064555.4/34

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

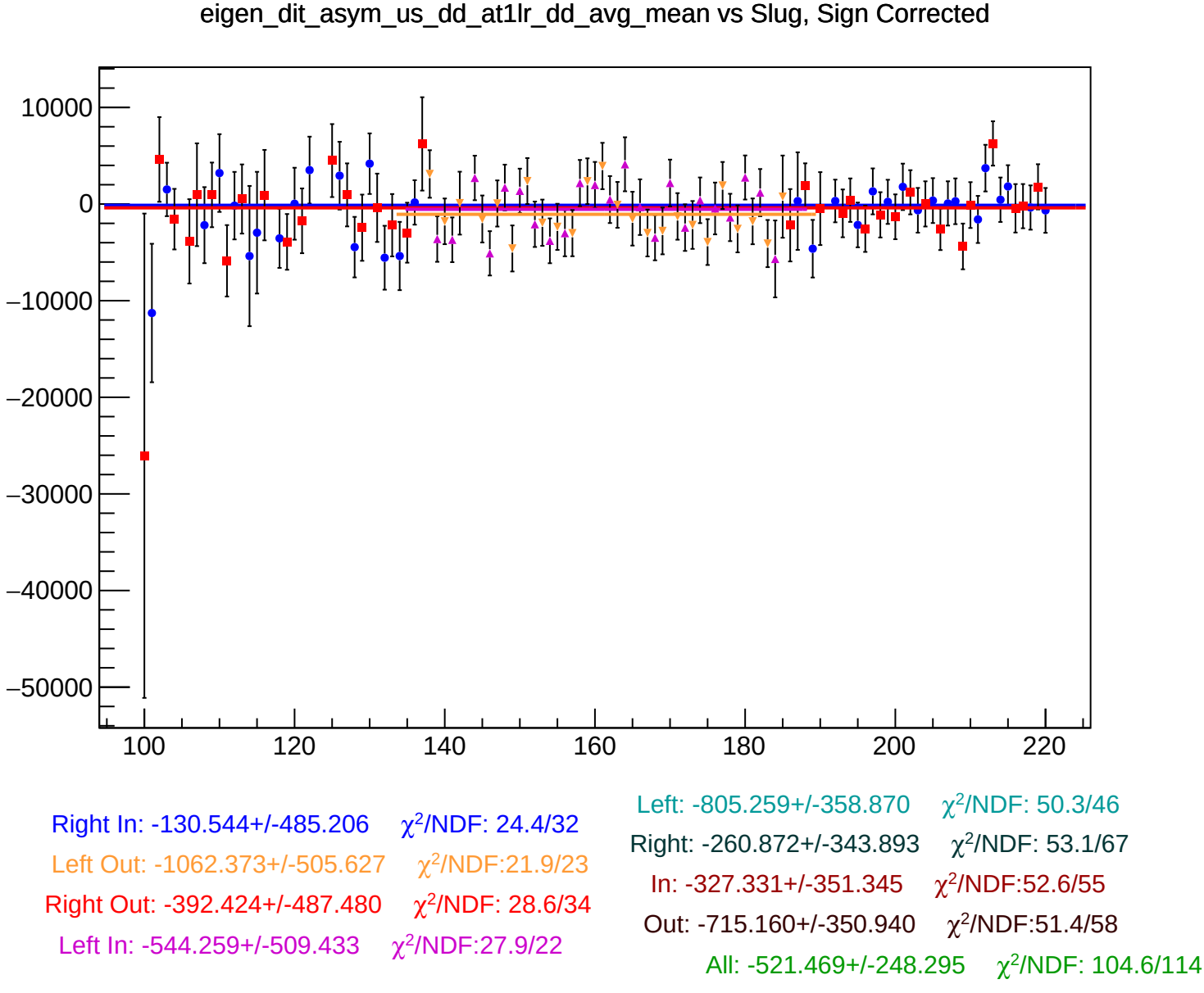
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

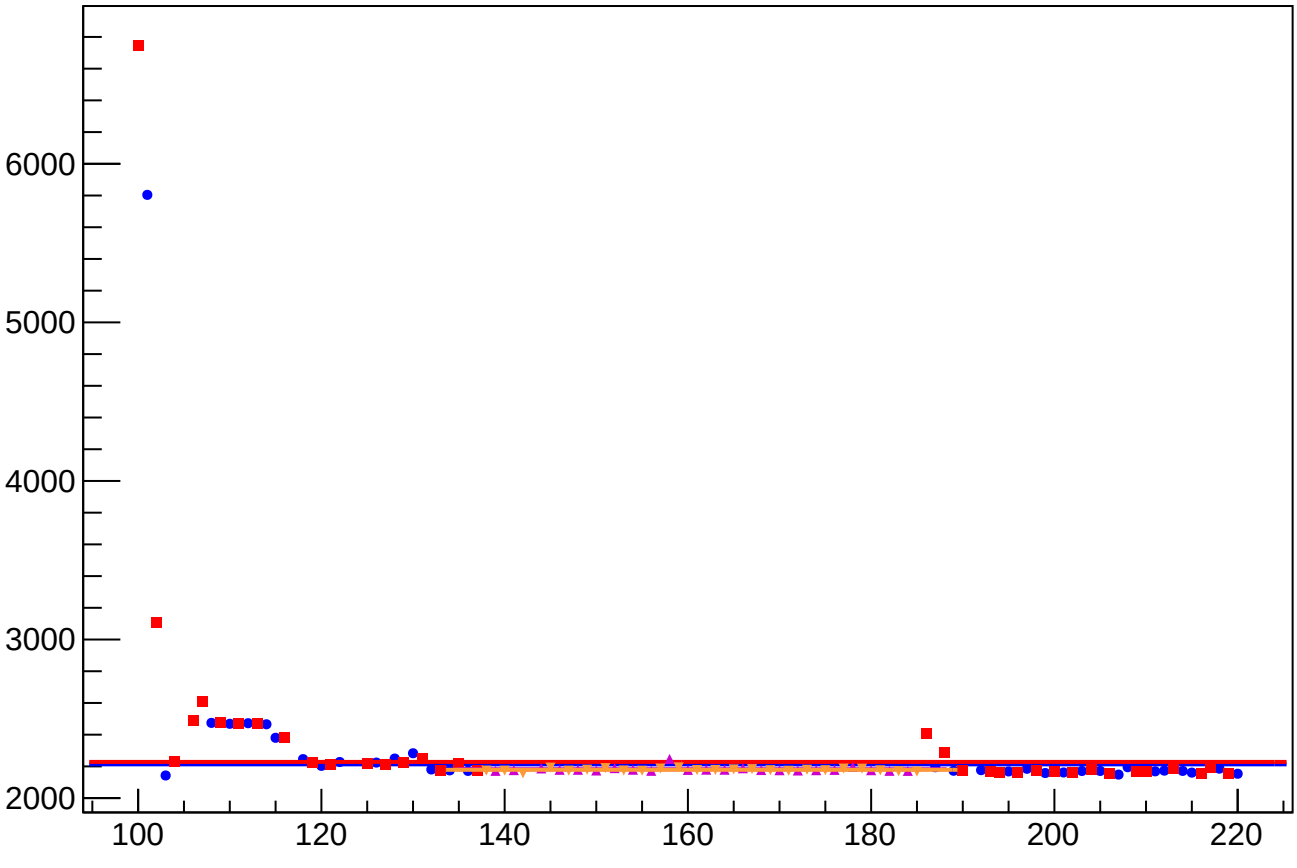
Right: 236.567+/-0.044 χ^2/NDF: 53730927.2/67

In: 154.754+/-0.023 χ^2/NDF:30843820.9/55

Out: 151.284+/-0.022 χ^2/NDF:32301263.6/58

All: 152.997+/-0.016 χ^2/NDF: 63157002.6/11


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: -130.544+/-485.206 χ²/NDF: 24.4/32
Left Out: -1062.373+/-505.627 χ²/NDF:21.9/23
Right Out: -392.424+/-487.480 χ²/NDF: 28.6/34
Left In: -544.259+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -260.872+/-343.893 χ²/NDF: 53.1/67
In: -327.331+/-351.345 χ²/NDF:52.6/55
Out: -715.160+/-350.940 χ²/NDF:51.4/58
All: -521.469+/-248.295 χ²/NDF: 104.6/114



Right In: 2212.921+/-0.343 χ^2/NDF: 549399.5/32

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2228.221+/-0.345 χ^2/NDF: 221154.7/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

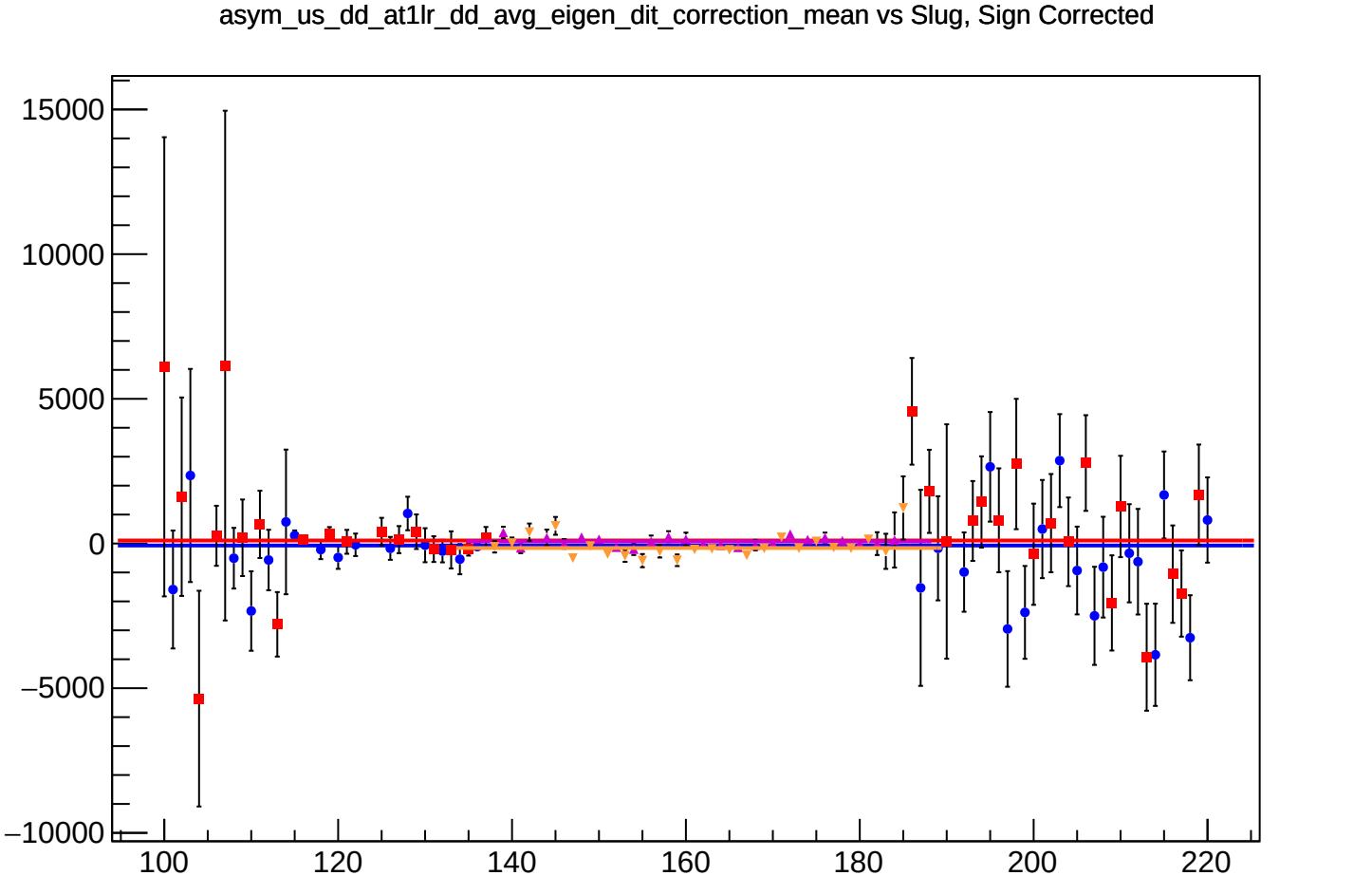
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2220.535+/-0.243 χ^2/NDF: 771543.8/67

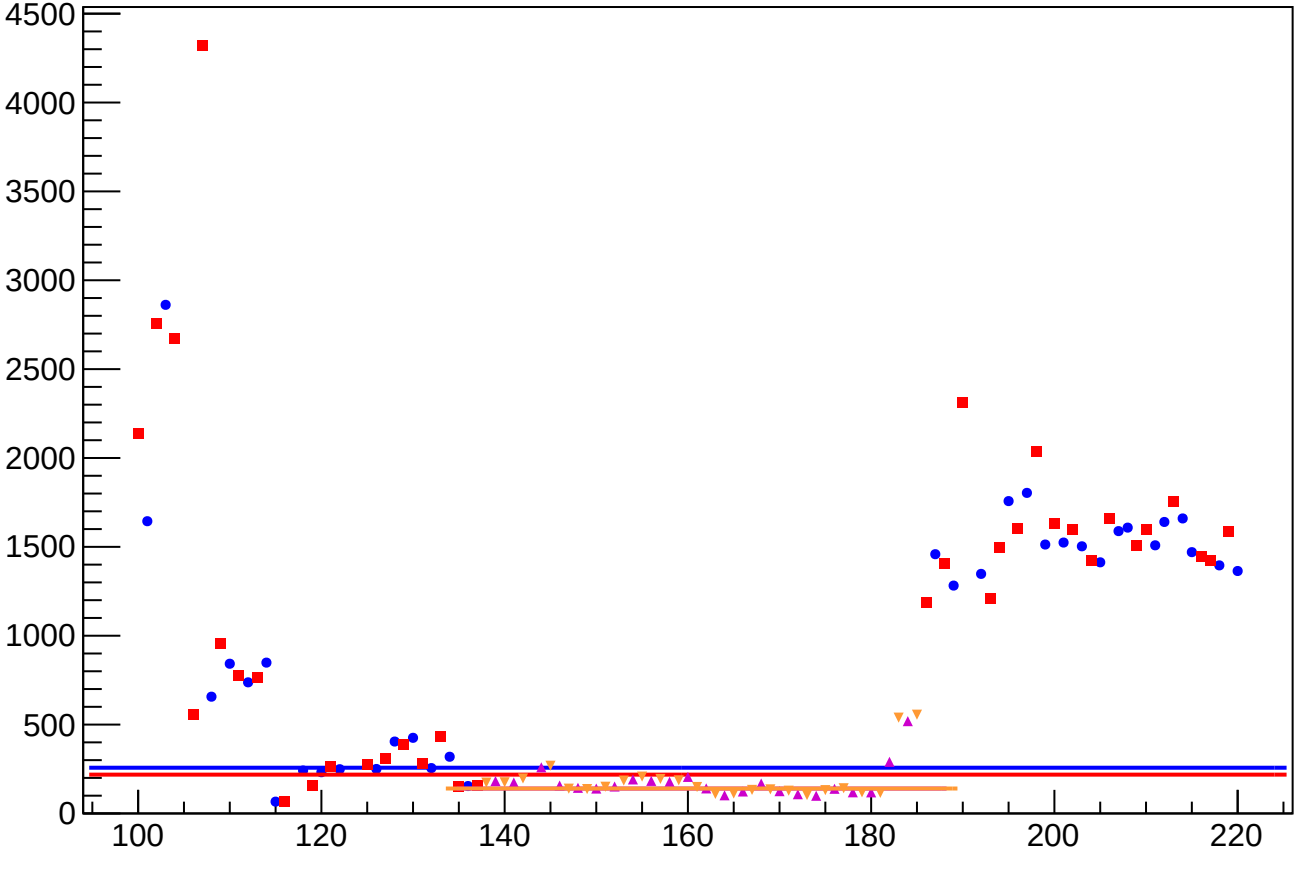
In: 2198.157+/-0.248 χ^2/NDF:555130.7/55

Out: 2204.270+/-0.248 χ^2/NDF:231632.6/58

All: 2201.217+/-0.176 χ^2/NDF: 787066.4/114


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -69.217+/-90.118 χ²/NDF: 38.1/32
Left Out: -154.726+/-34.061 χ²/NDF:47.3/23
Right Out: 104.650+/-84.275 χ²/NDF: 37.3/34
Left In: 70.141+/-34.204 χ²/NDF:18.9/22
Left: -42.766+/-24.135 χ²/NDF: 87.9/46
Right: 23.535+/-61.554 χ²/NDF: 77.4/67
In: 52.593+/-31.979 χ²/NDF:59.1/55
Out: -118.307+/-31.579 χ²/NDF:92.8/58
All: -33.931+/-22.470 χ²/NDF: 166.4/114

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 257.316+/-0.064 χ^2/NDF: 25467706.8/32

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 218.415+/-0.060 χ^2/NDF: 28064708.6/34

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

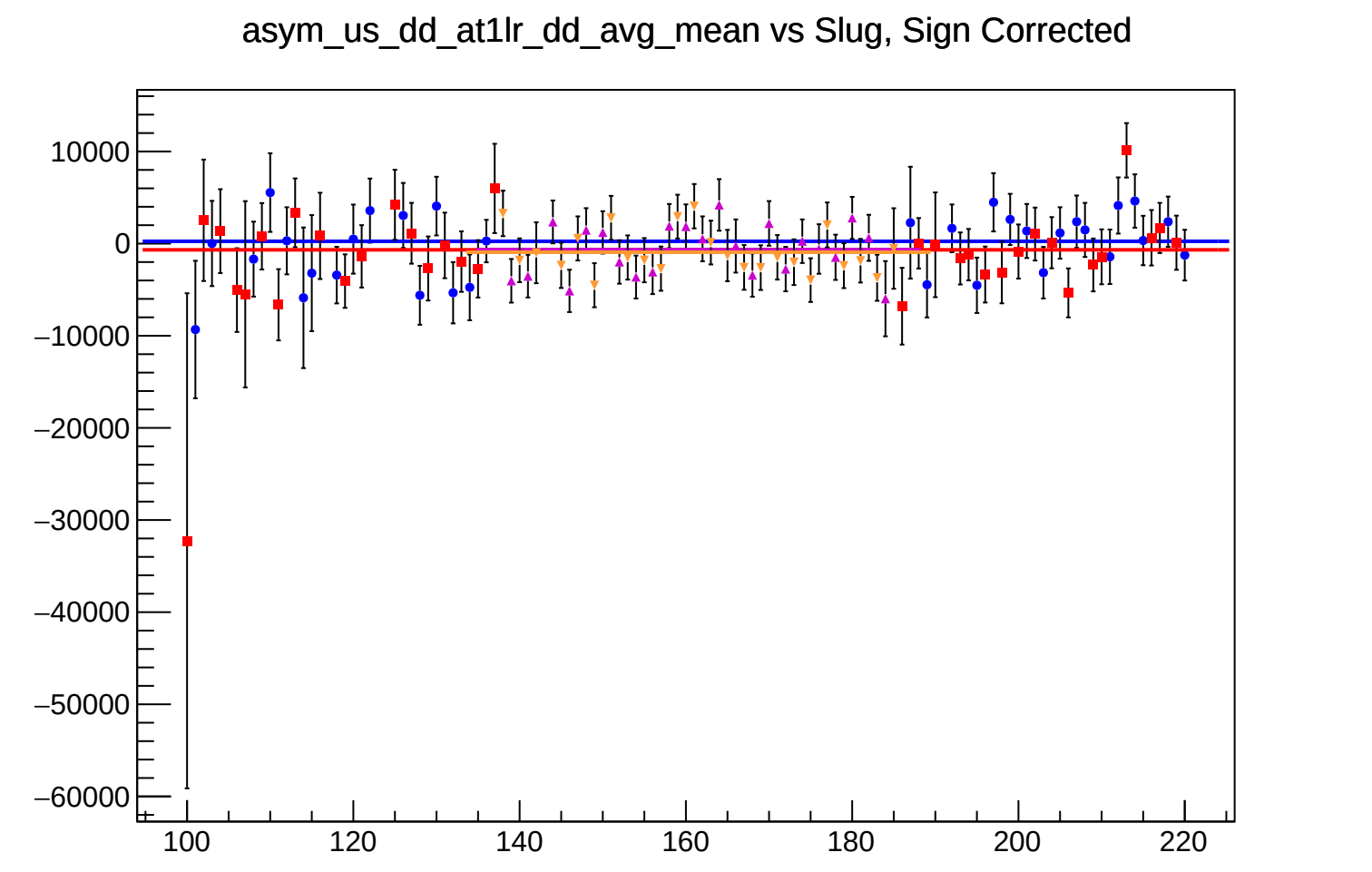
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 236.564+/-0.044 χ^2/NDF: 53731222.3/67

In: 154.754+/-0.023 χ^2/NDF:30843877.0/55

Out: 151.285+/-0.022 χ^2/NDF:32301297.1/58

All: 152.997+/-0.016 χ^2/NDF: 63157091.7/11



Right In: 252.293+/-563.848 χ^2/NDF: 31.7/32

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -674.621+/-572.510 χ^2/NDF: 35.0/34

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

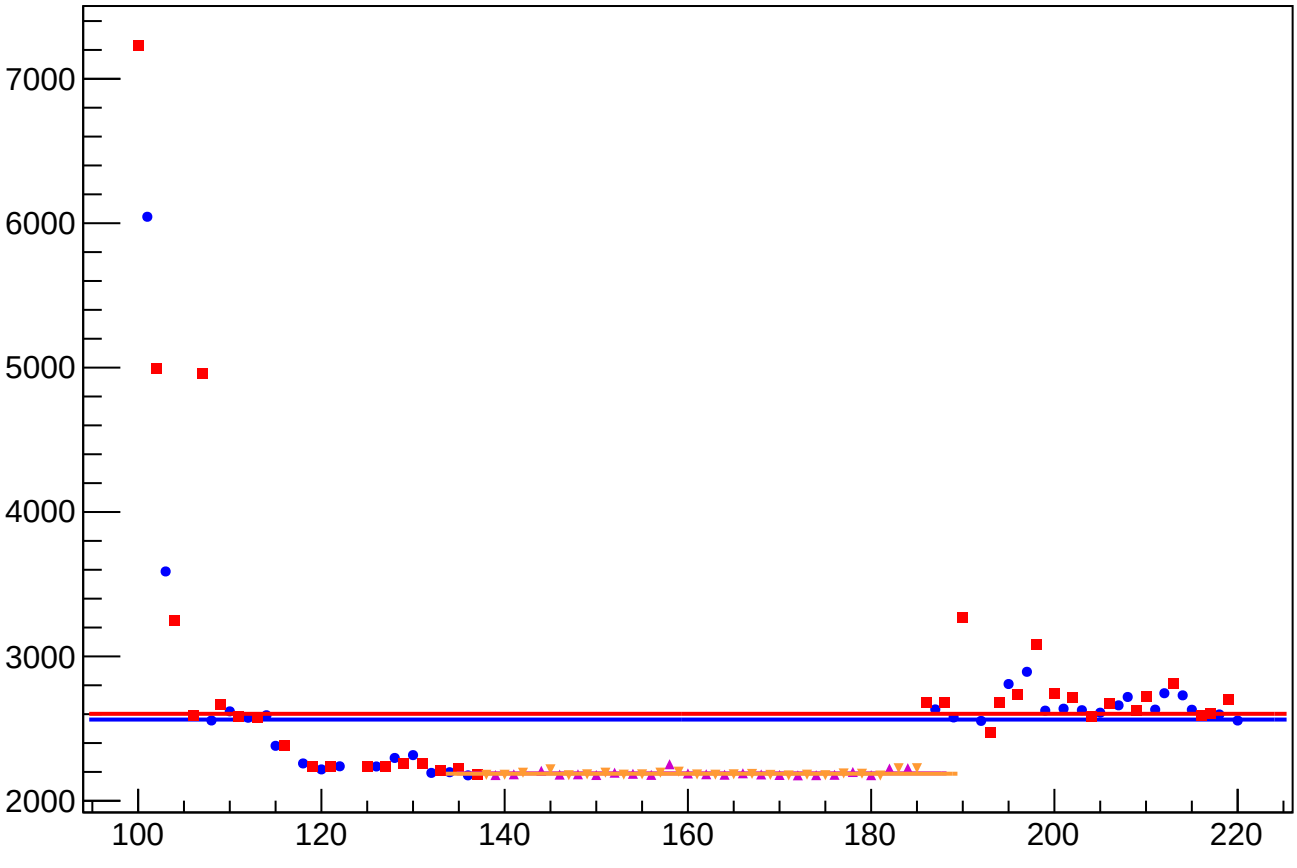
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -204.099+/-401.728 χ^2/NDF: 68.0/67

In: -238.820+/-378.791 χ^2/NDF:60.1/55

Out: -818.694+/-379.861 χ^2/NDF:57.5/58

All: -527.939+/-268.223 χ^2/NDF: 118.8/114



Right In: 2562.613+/-0.399 χ^2/NDF: 798275.6/32

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2602.383+/-0.405 χ^2/NDF: 792013.4/34

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

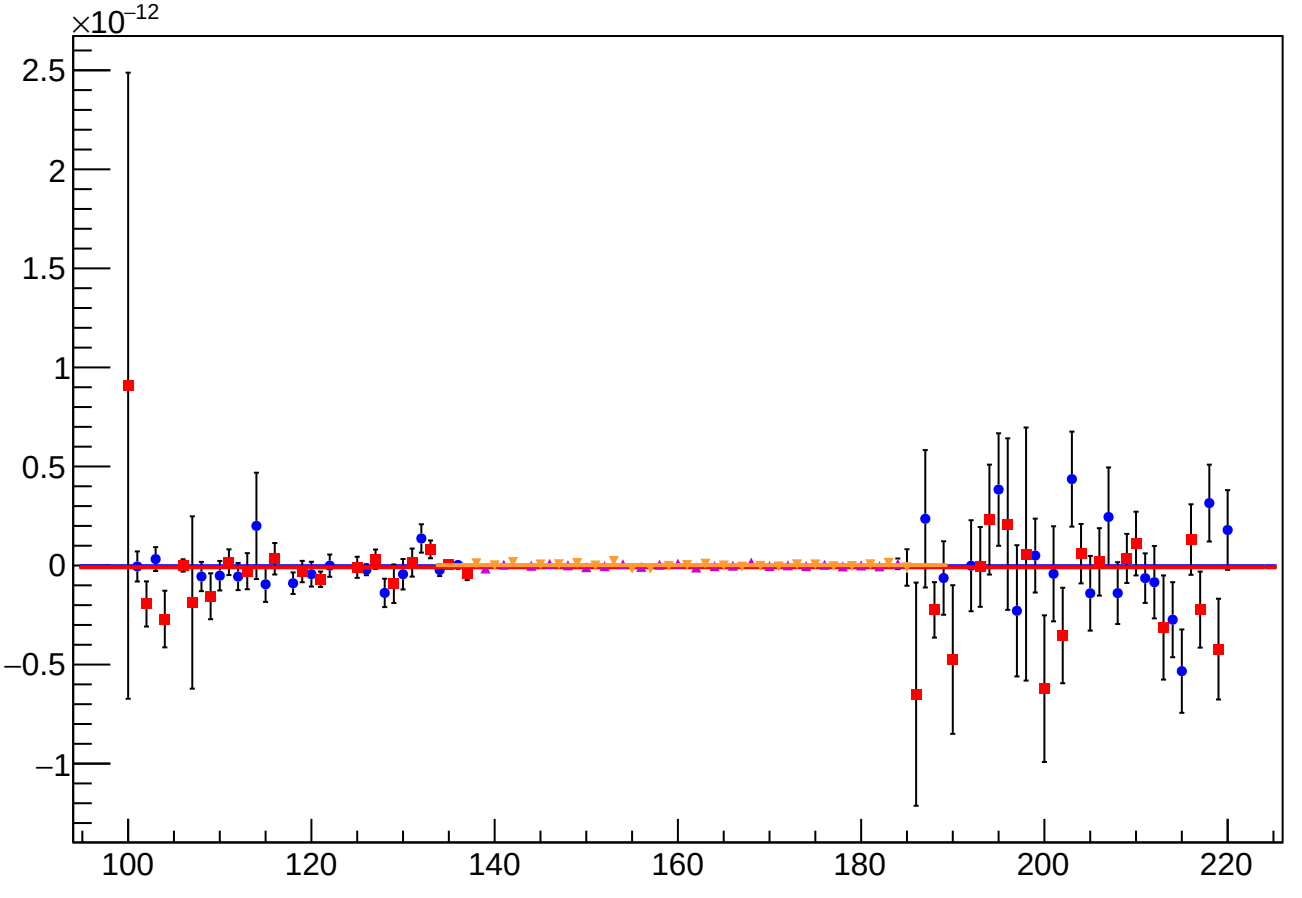
Right: 2582.195+/-0.284 χ^2/NDF: 1595188.1/67

In: 2358.254+/-0.268 χ^2/NDF:1279631.8/55

Out: 2370.213+/-0.269 χ^2/NDF:1380940.6/58

All: 2364.216+/-0.190 χ^2/NDF: 2661566.4/11

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 36.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/34

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

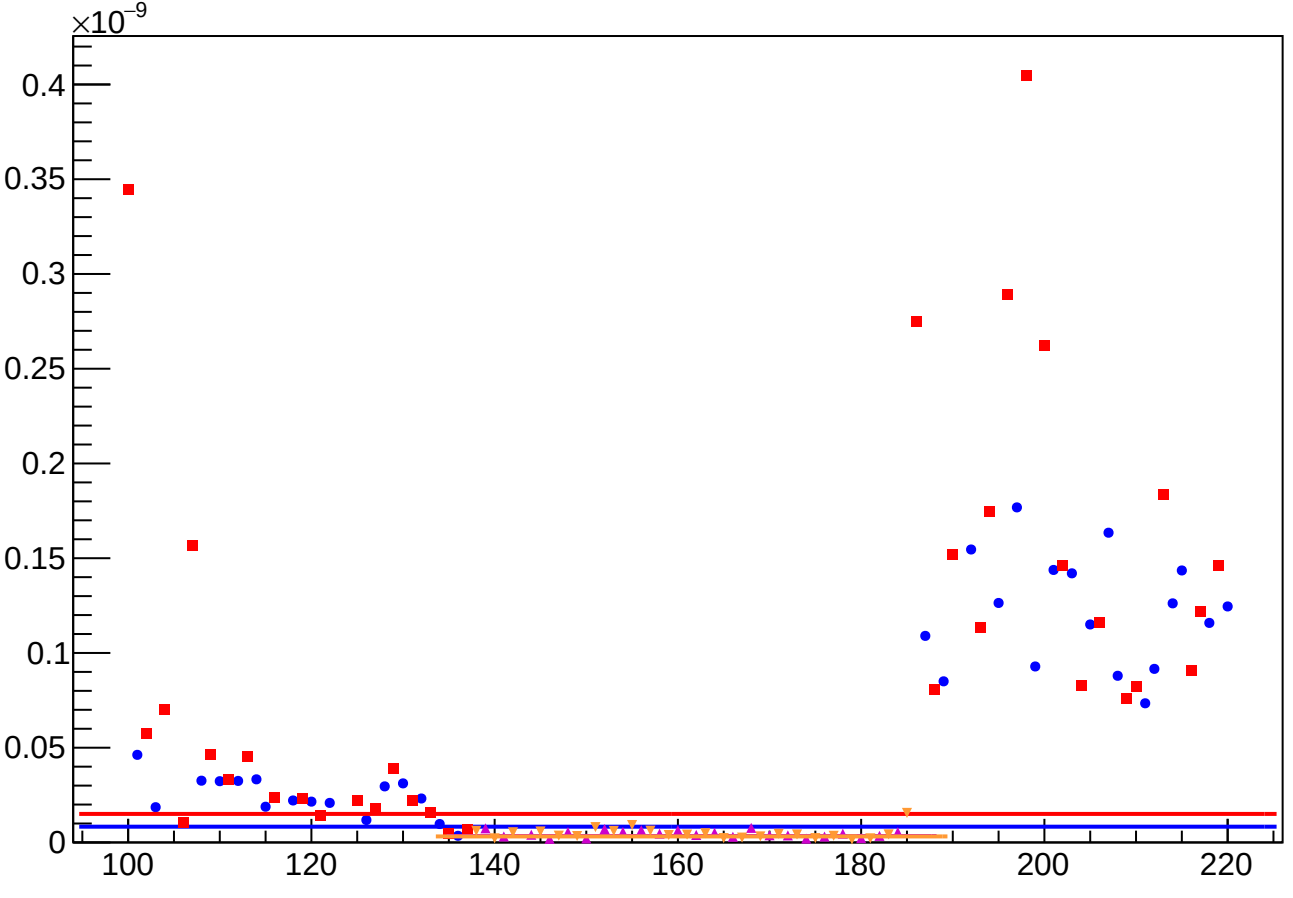
Right: -0.000+/-0.000 χ^2/NDF: 73.4/67

In: -0.000+/-0.000 χ^2/NDF:50.1/55

Out: 0.000+/-0.000 χ^2/NDF:57.3/58

All: 0.000+/-0.000 χ^2/NDF: 108.4/114

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12630739.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12561844.3/34

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

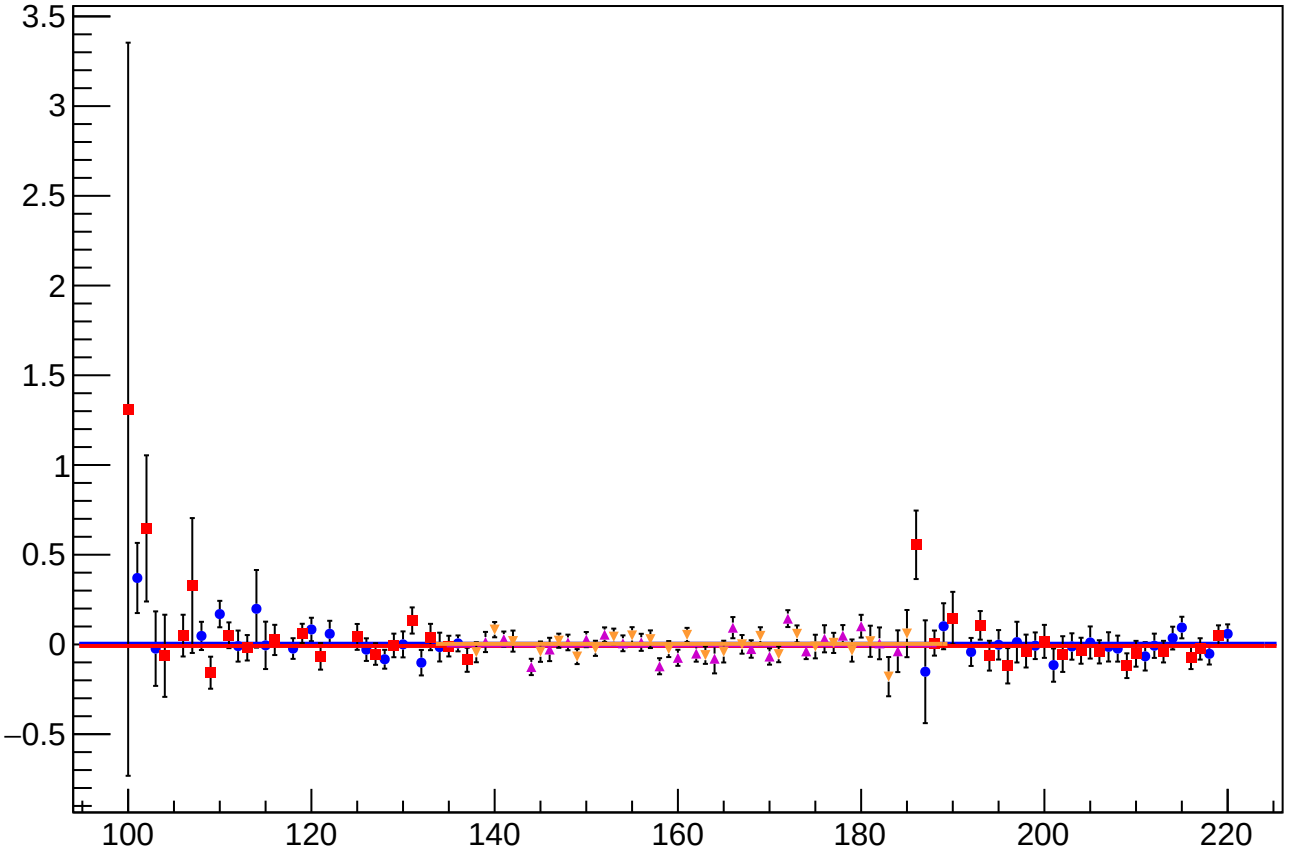
Right: 0.000+/-0.000 χ^2/NDF: 25886479.5/67

In: 0.000+/-0.000 χ^2/NDF:15501644.7/55

Out: 0.000+/-0.000 χ^2/NDF:17627750.7/58

All: 0.000+/-0.000 χ^2/NDF: 33155219.6/114

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.013 χ^2/NDF: 25.6/32

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

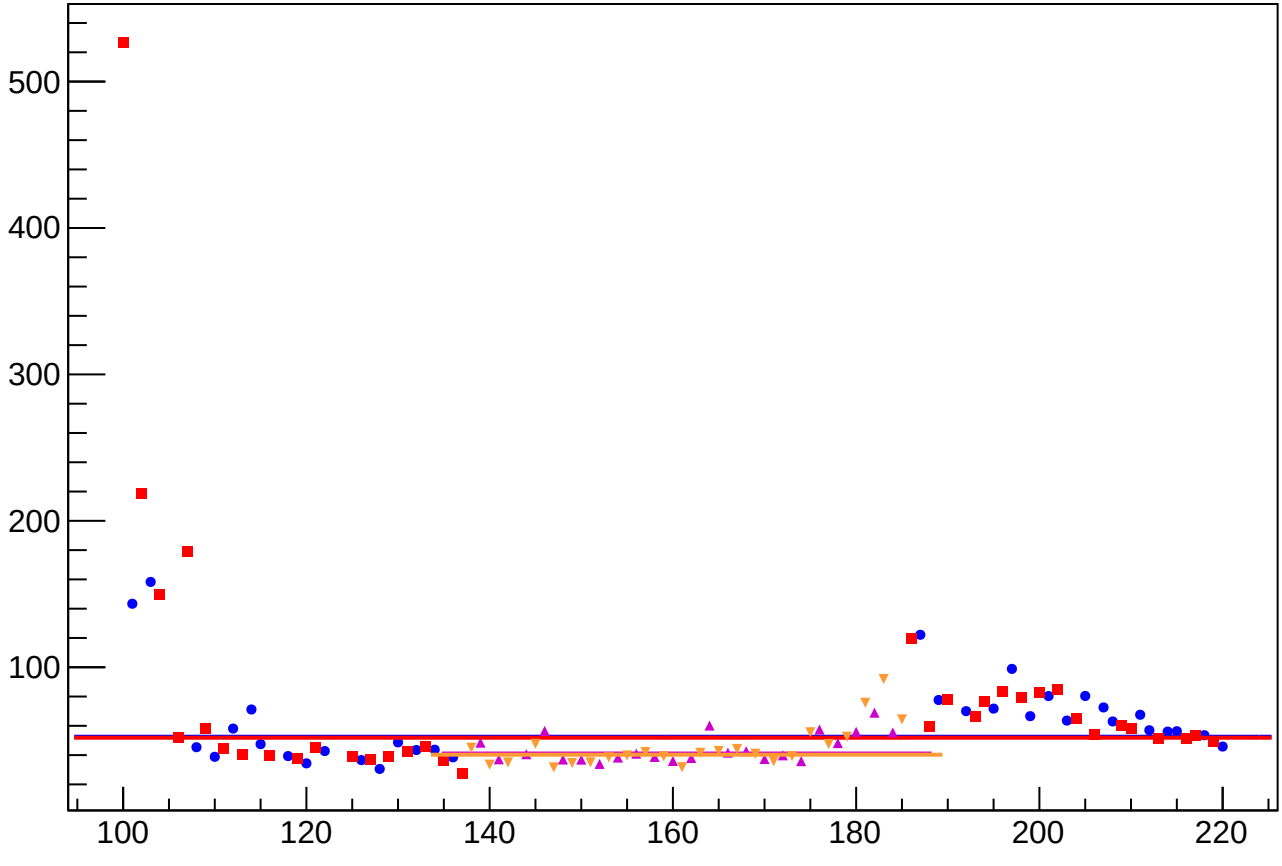
Right: -0.002+/-0.009 χ^2/NDF: 62.5/67

In: -0.002+/-0.008 χ^2/NDF:67.4/55

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.001+/-0.006 χ^2/NDF: 126.1/114

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.550+/-0.009 χ^2/NDF: 3617557.2/32

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

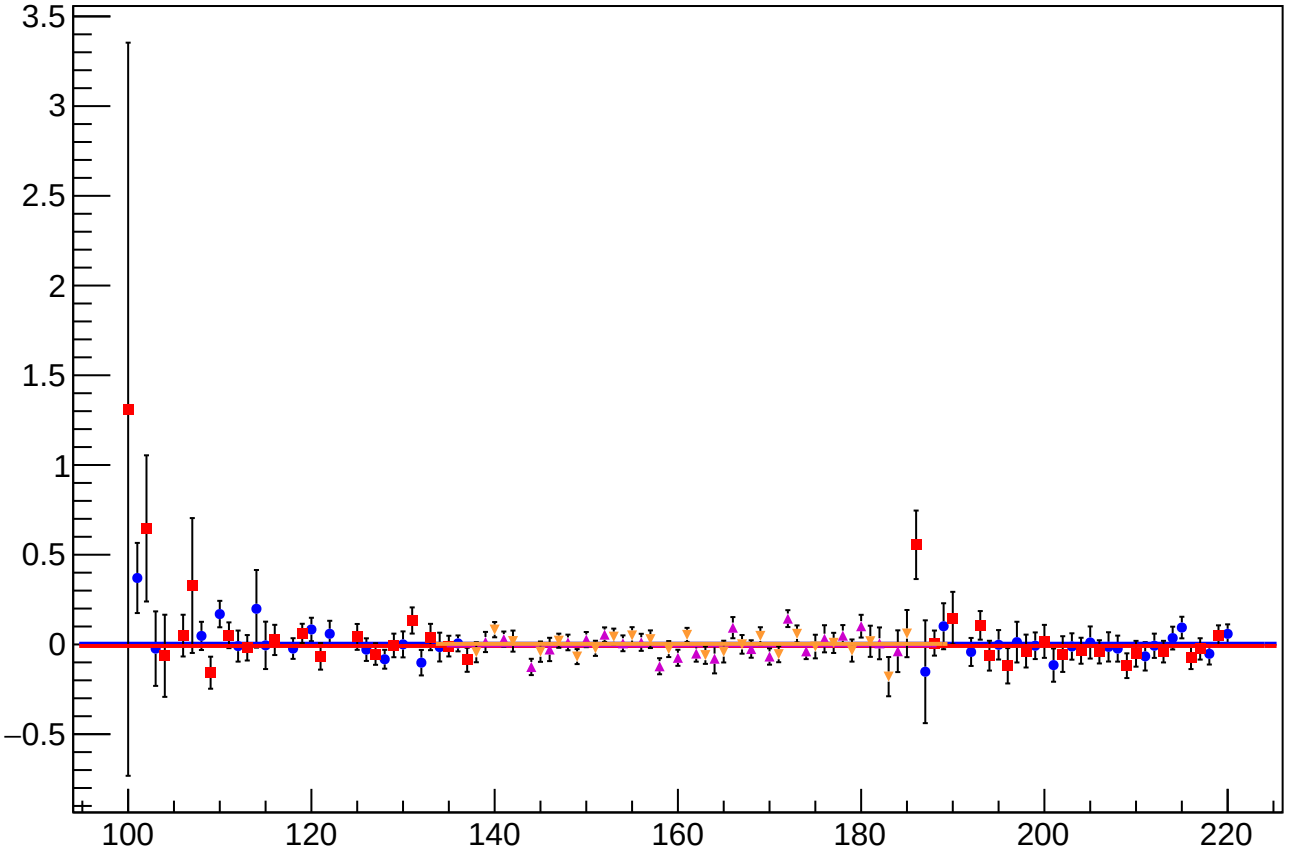
Right: 52.213+/-0.007 χ^2/NDF: 7198264.3/67

In: 45.657+/-0.006 χ^2/NDF:5485069.2/55

Out: 44.755+/-0.006 χ^2/NDF:6032528.8/58

All: 45.202+/-0.004 χ^2/NDF: 11529854.4/114

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.013 χ^2/NDF: 25.6/32

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

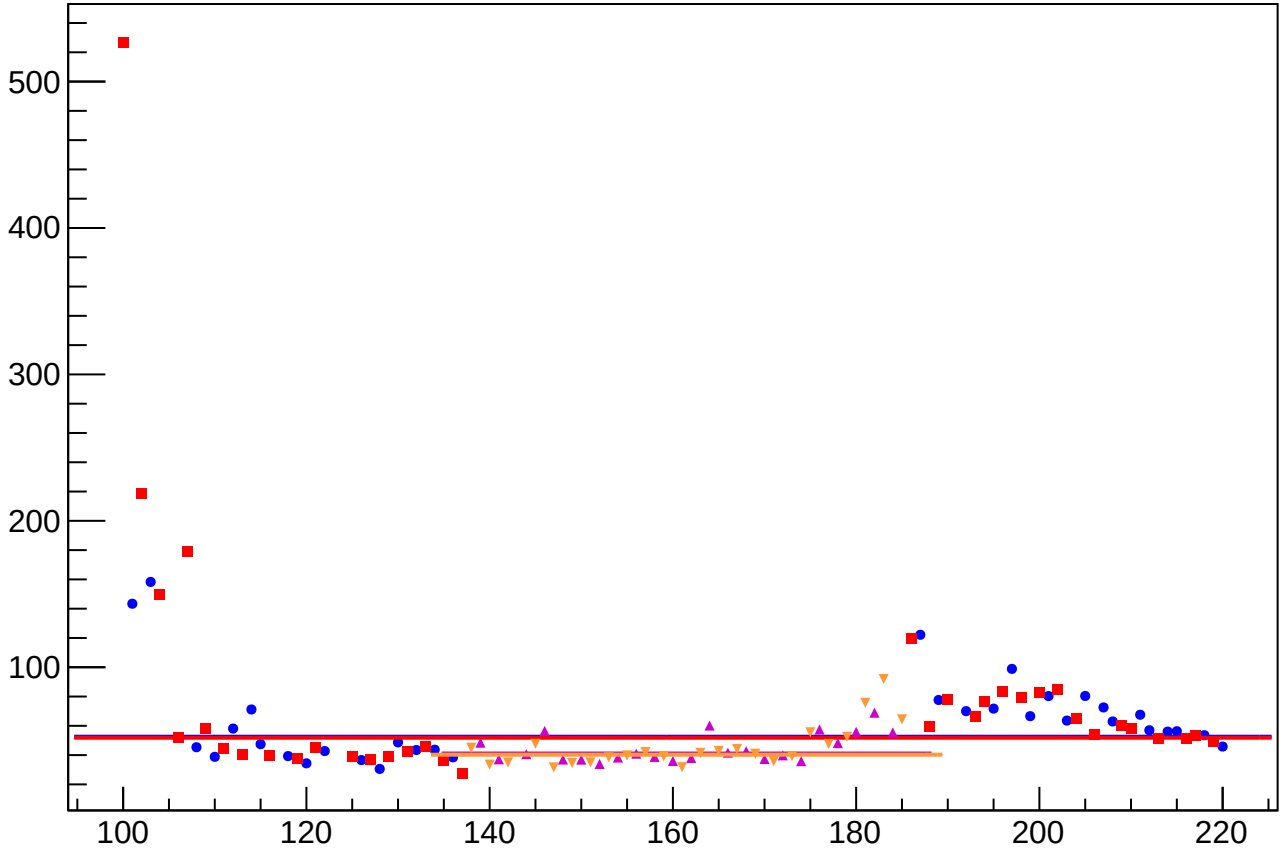
Right: -0.002+/-0.009 χ^2/NDF: 62.5/67

In: -0.002+/-0.008 χ^2/NDF:67.4/55

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.001+/-0.006 χ^2/NDF: 126.1/114

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.550+/-0.009 χ^2/NDF: 3617557.2/32

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

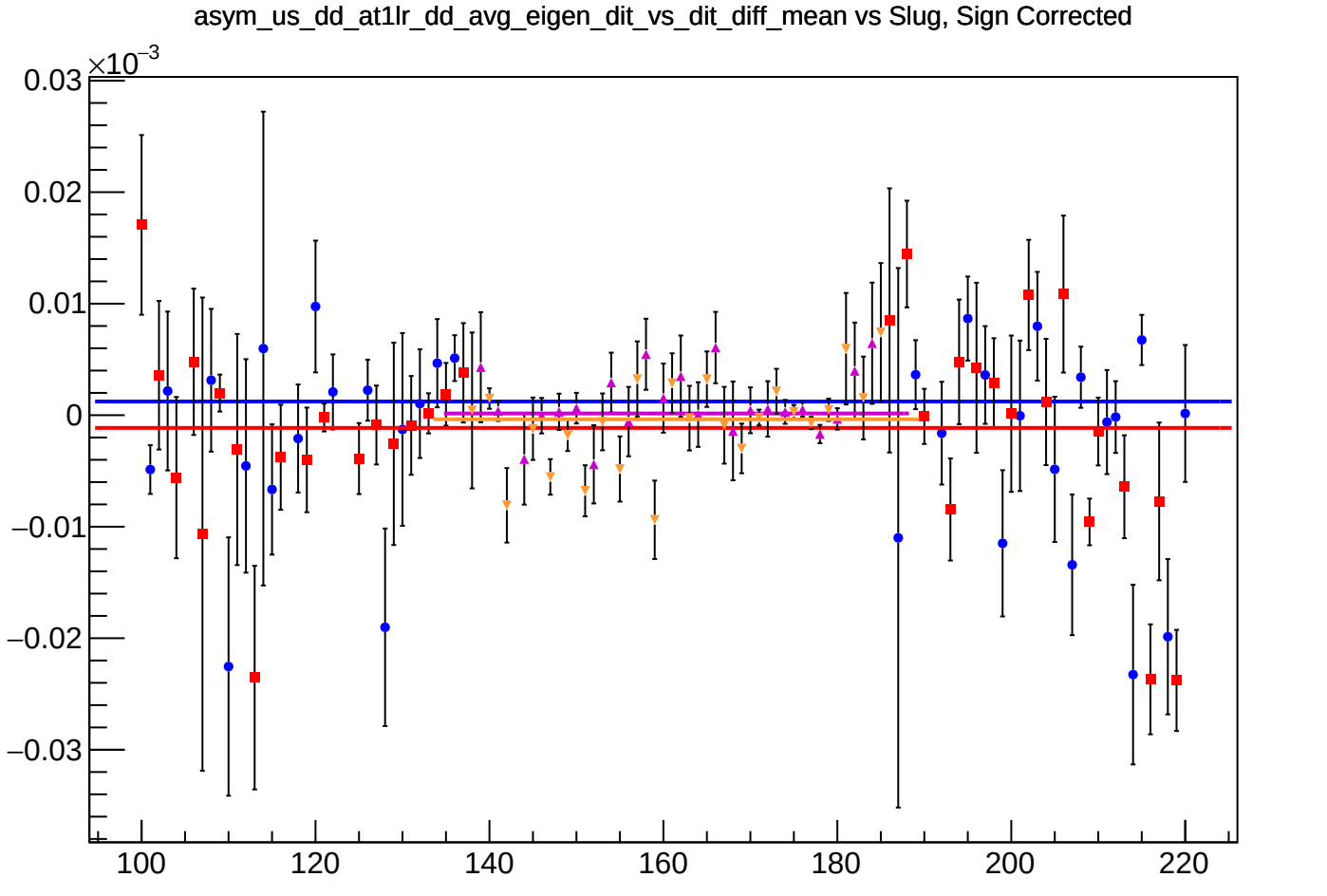
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 52.213+/-0.007 χ^2/NDF: 7198264.3/67

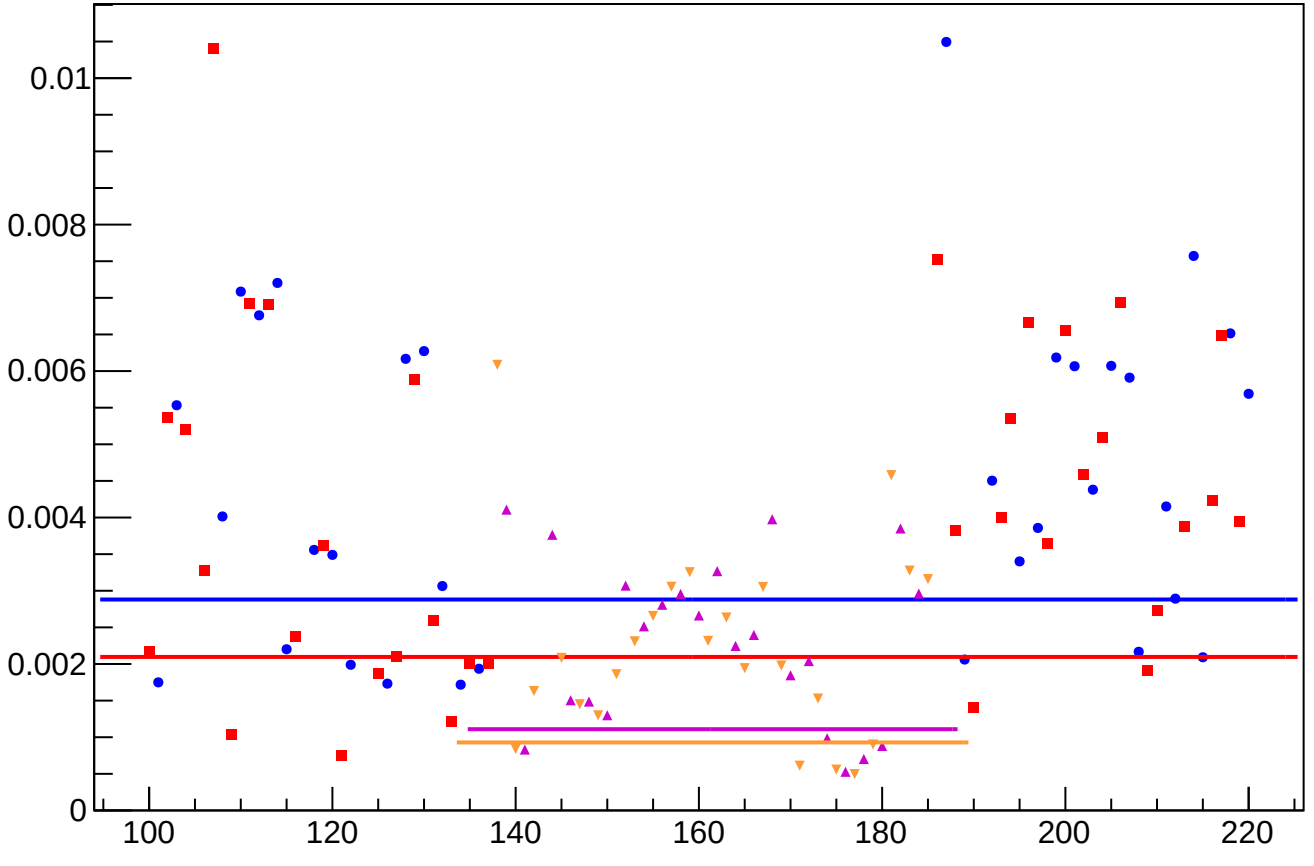
In: 45.657+/-0.006 χ^2/NDF:5485069.2/55

Out: 44.755+/-0.006 χ^2/NDF:6032528.8/58

All: 45.202+/-0.004 χ^2/NDF: 11529854.4/114


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 69.6/32
Left Out: -0.000+/-0.000 χ²/NDF:51.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 110.4/34
Left In: 0.000+/-0.000 χ²/NDF:19.9/22
Left: -0.000+/-0.000 χ²/NDF: 72.6/46
Right: -0.000+/-0.000 χ²/NDF: 186.5/67
In: 0.000+/-0.000 χ²/NDF:91.3/55
Out: -0.000+/-0.000 χ²/NDF:163.0/58
All: -0.000+/-0.000 χ²/NDF: 259.1/114

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: 8295579.5/32

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 13910417.3/34

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

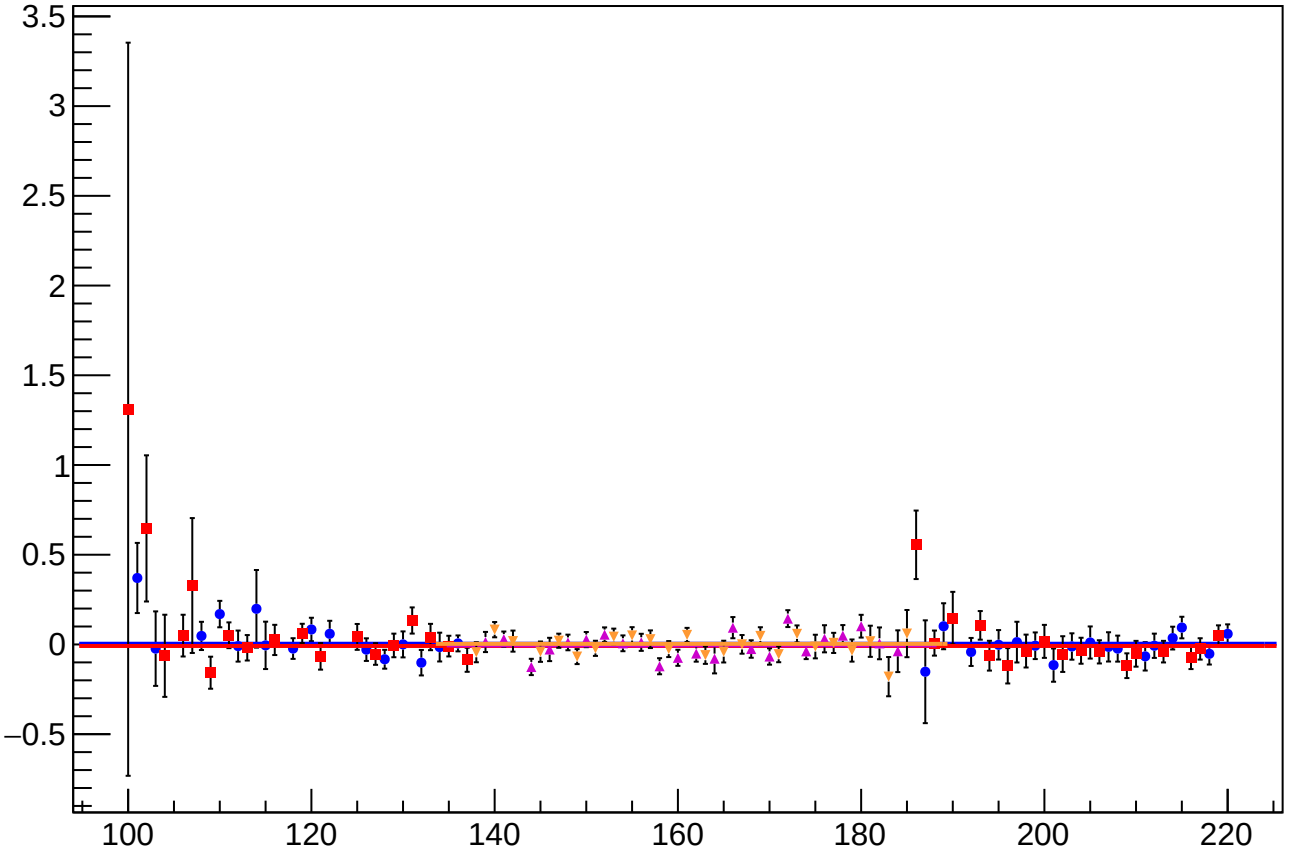
Right: 0.002+/-0.000 χ^2/NDF: 23624852.0/67

In: 0.001+/-0.000 χ^2/NDF:29265064.2/55

Out: 0.001+/-0.000 χ^2/NDF:32940752.7/58

All: 0.001+/-0.000 χ^2/NDF: 63084311.6/114

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.013 χ^2/NDF: 25.6/32

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

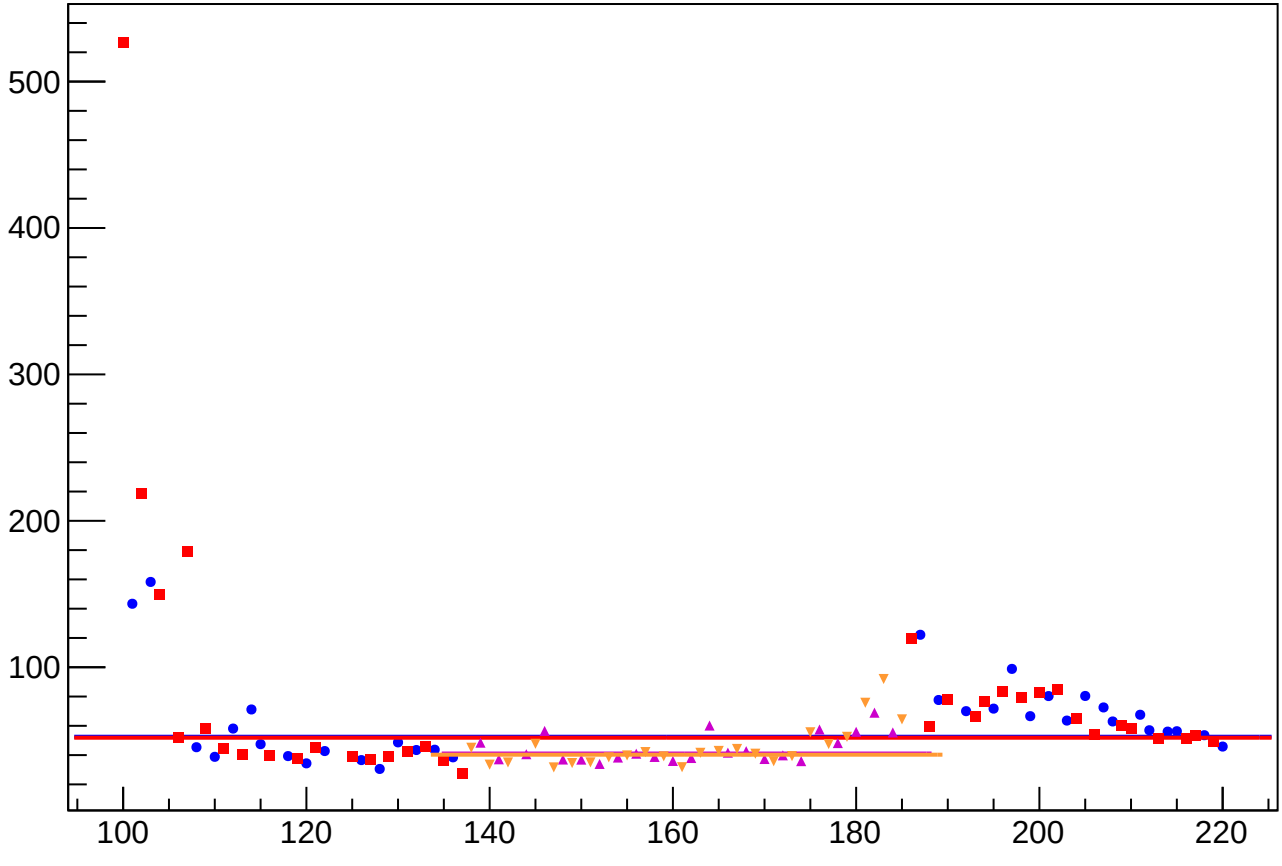
Right: -0.002+/-0.009 χ^2/NDF: 62.5/67

In: -0.002+/-0.008 χ^2/NDF:67.4/55

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.001+/-0.006 χ^2/NDF: 126.1/114

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.548+/-0.009 χ^2/NDF: 3618202.1/32

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

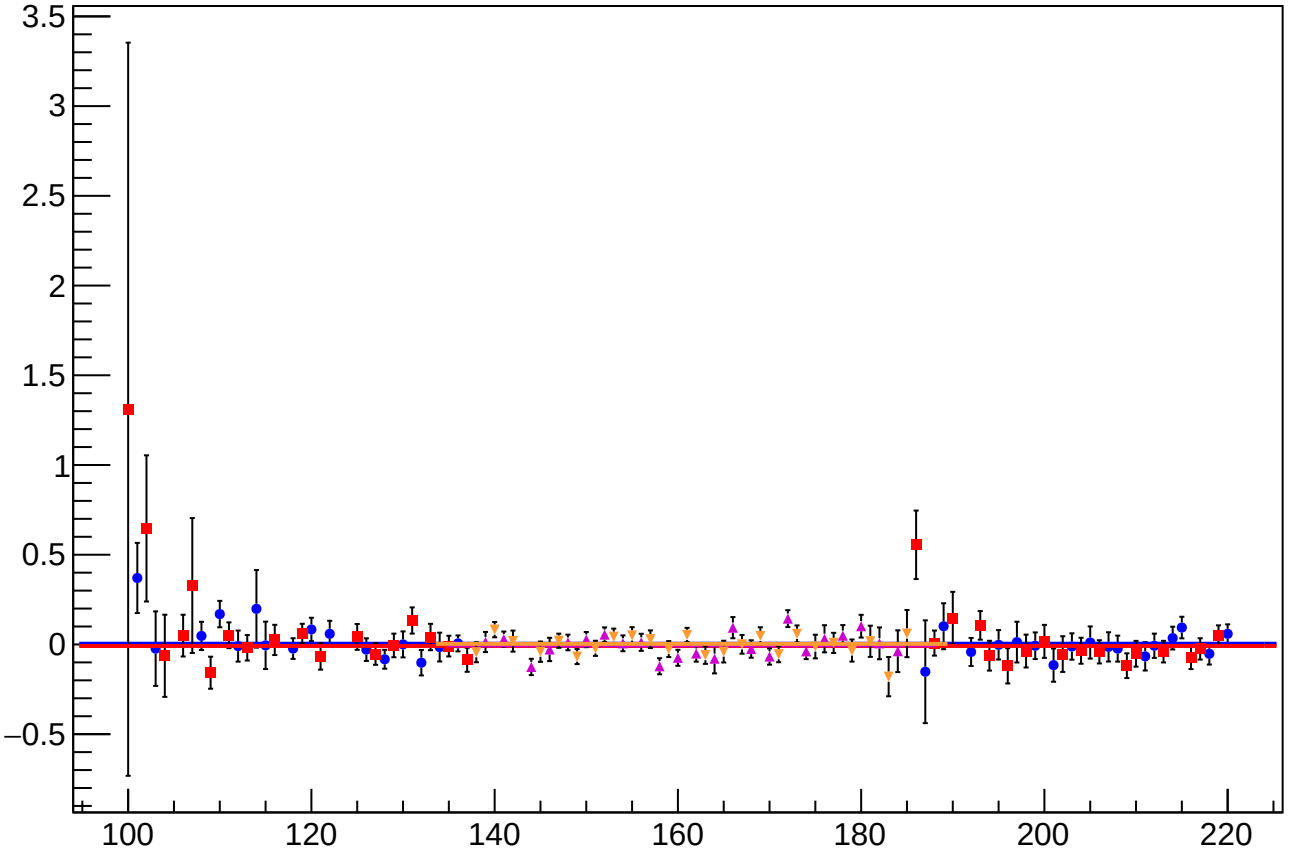
Right: 52.212+/-0.007 χ^2/NDF: 7198855.8/67

In: 45.657+/-0.006 χ^2/NDF:5485493.7/55

Out: 44.755+/-0.006 χ^2/NDF:6032537.1/58

All: 45.202+/-0.004 χ^2/NDF: 11530265.5/114

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.013 χ^2/NDF: 25.6/32

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

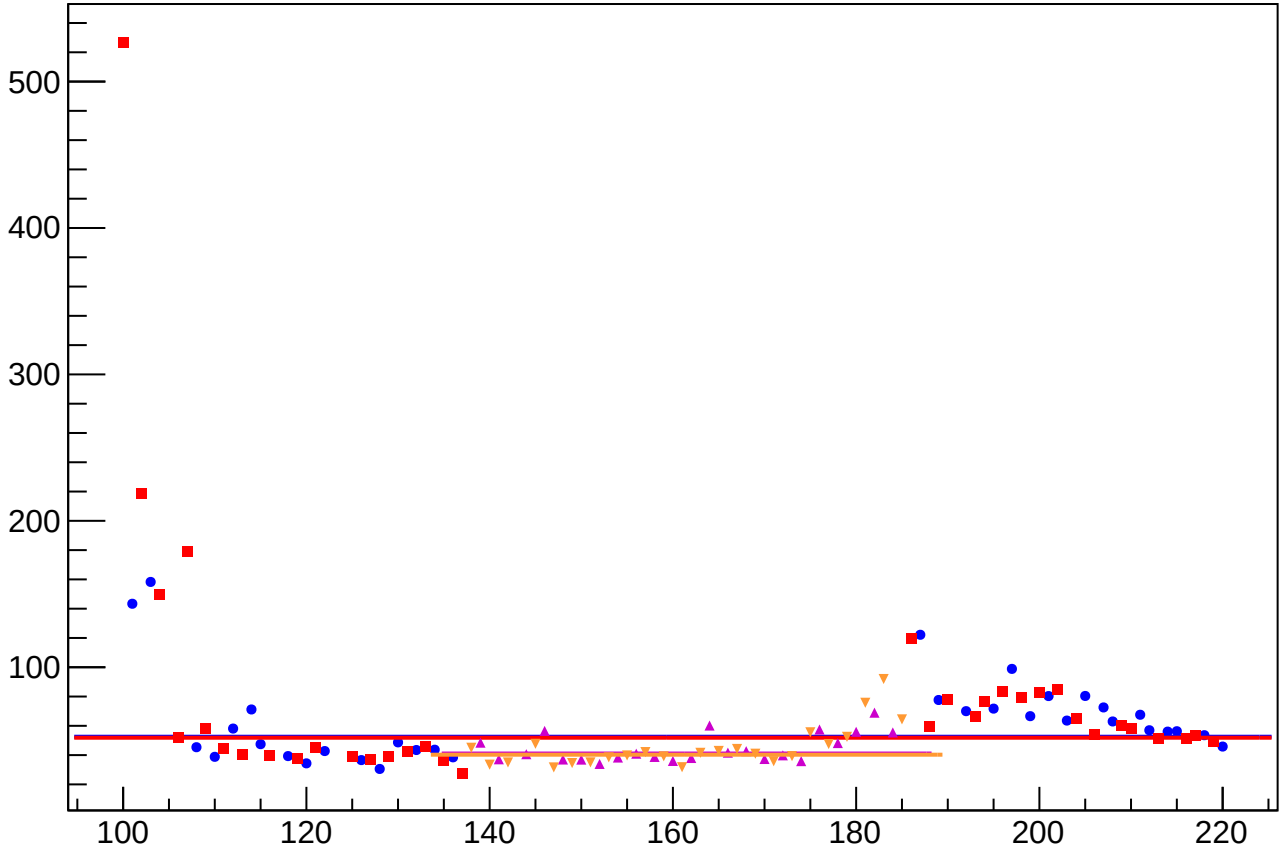
Right: -0.002+/-0.009 χ^2/NDF: 62.5/67

In: -0.002+/-0.008 χ^2/NDF:67.4/55

Out: -0.001+/-0.008 χ^2/NDF:58.7/58

All: -0.001+/-0.006 χ^2/NDF: 126.1/114

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.548+/-0.009 χ^2/NDF: 3618202.1/32

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

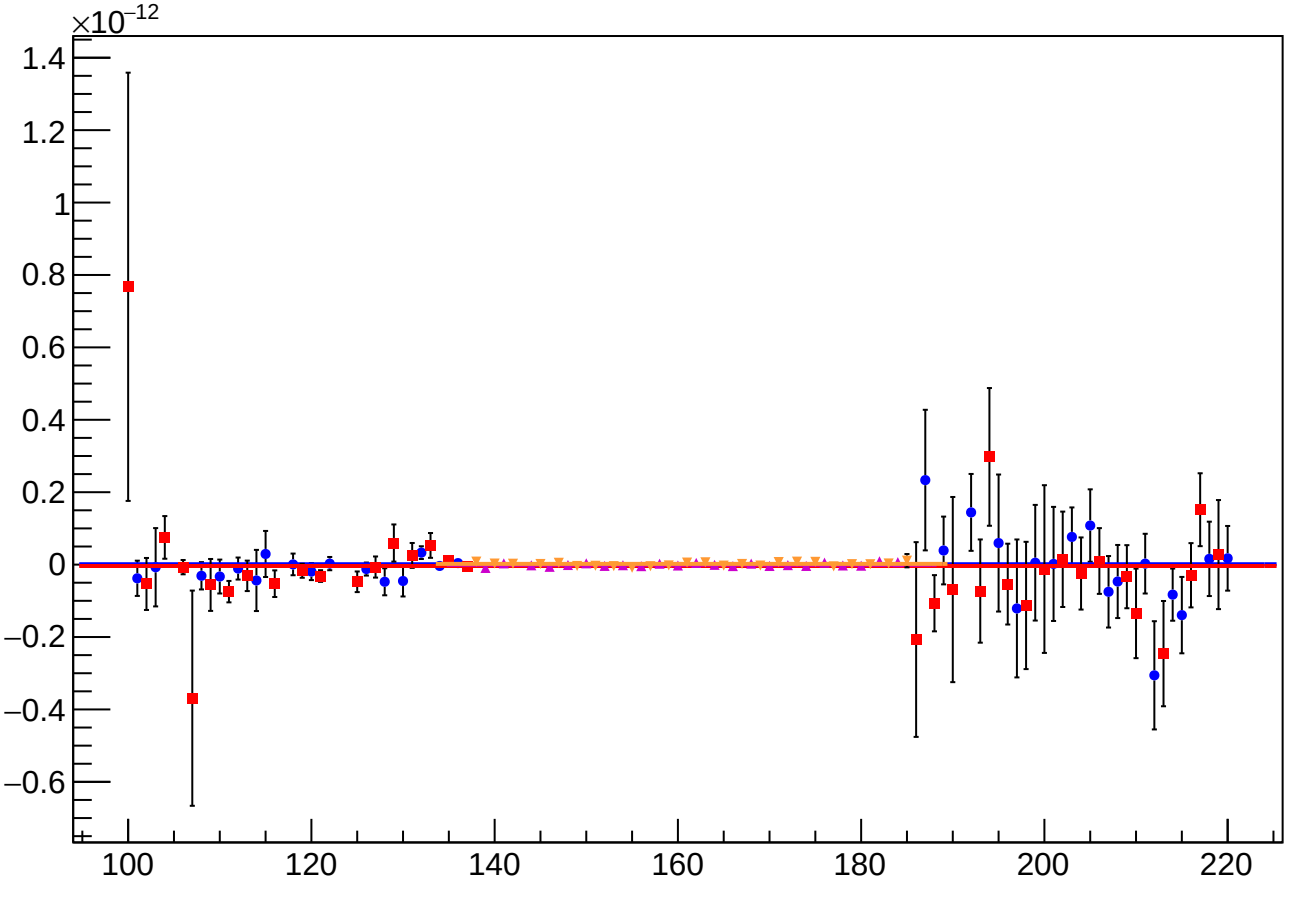
Right: 52.212+/-0.007 χ^2/NDF: 7198855.8/67

In: 45.657+/-0.006 χ^2/NDF:5485493.7/55

Out: 44.755+/-0.006 χ^2/NDF:6032537.1/58

All: 45.202+/-0.004 χ^2/NDF: 11530265.5/114

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: 24.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 41.2/34

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

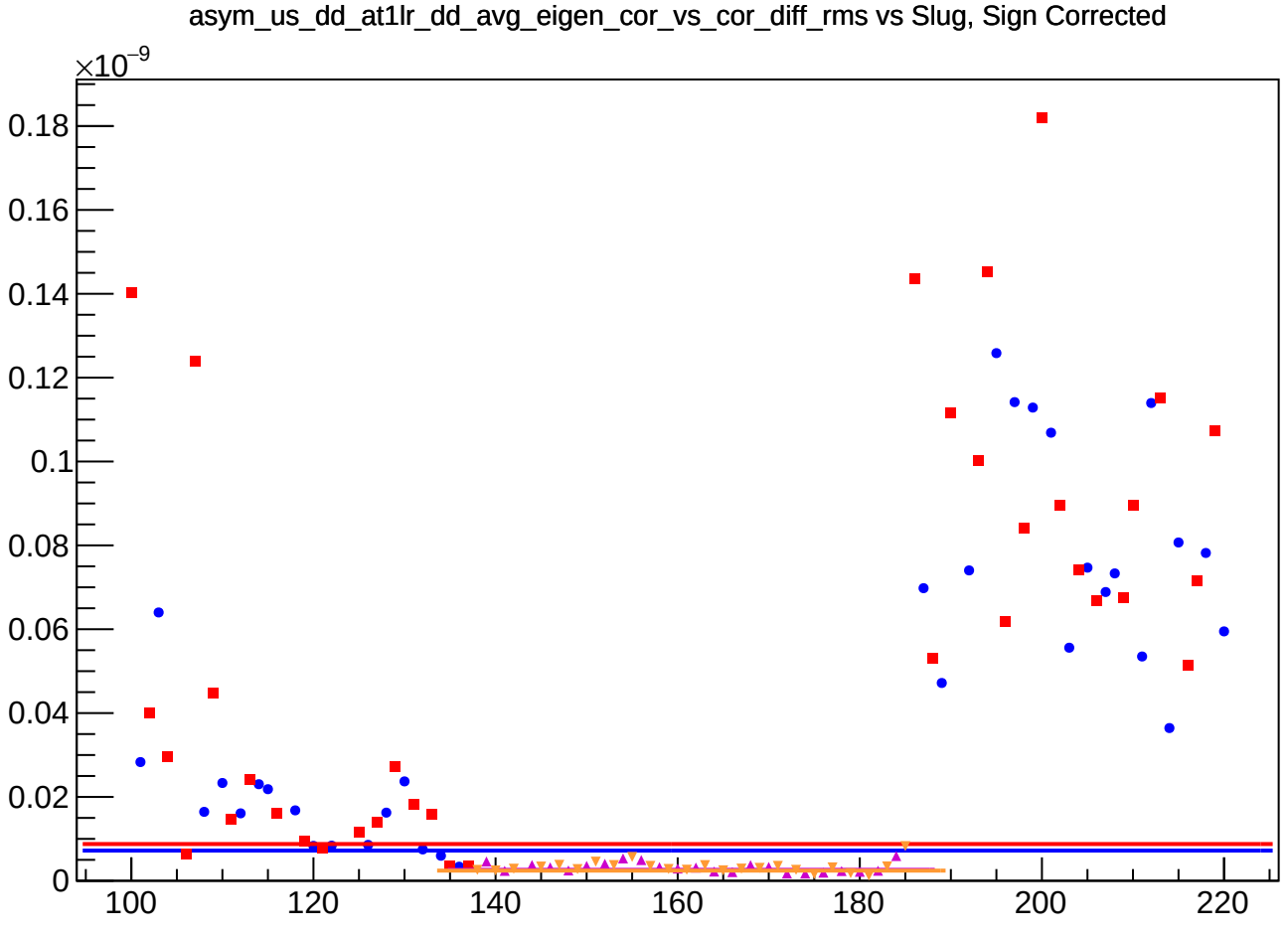
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

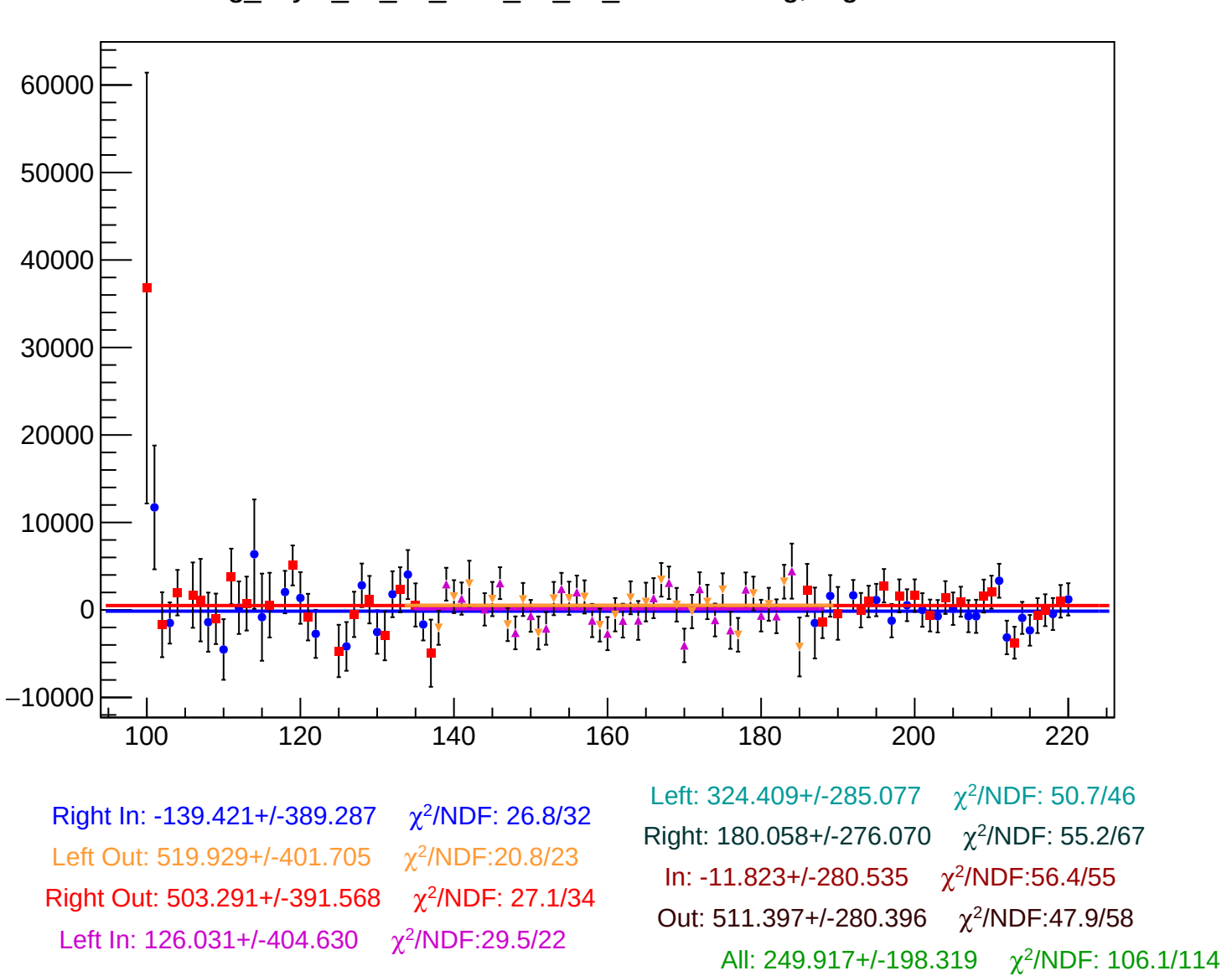
Right: -0.000+/-0.000 χ^2/NDF: 66.5/67

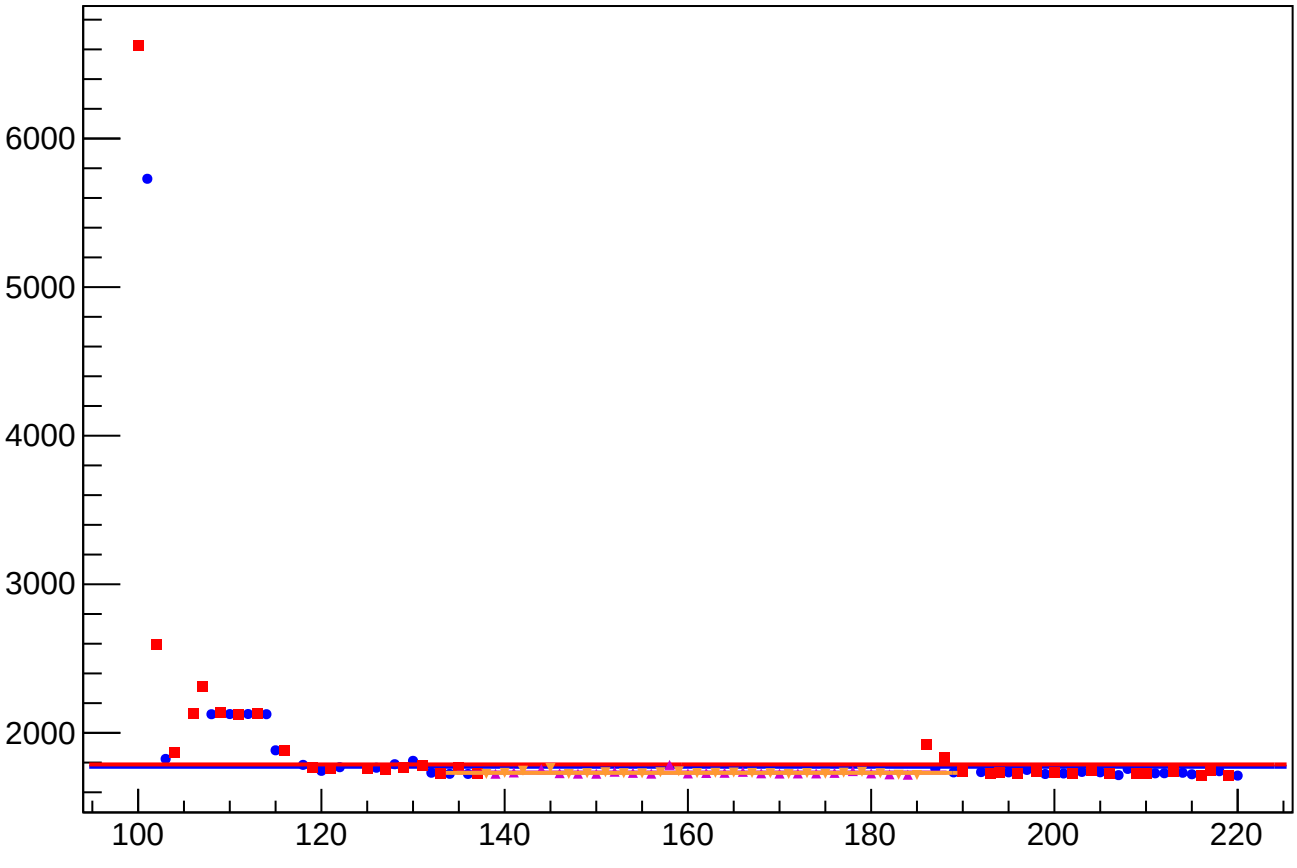
In: -0.000+/-0.000 χ^2/NDF:47.9/55

Out: 0.000+/-0.000 χ^2/NDF:67.9/58

All: 0.000+/-0.000 χ^2/NDF: 119.0/114


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 15848199.4/32
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 16726885.3/34
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 32707187.8/67
In: 0.000+/-0.000 χ²/NDF:20472866.7/55
Out: 0.000+/-0.000 χ²/NDF:23086515.4/58
All: 0.000+/-0.000 χ²/NDF: 43630479.6/114


reg_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -139.421+/-389.287 χ²/NDF: 26.8/32
Left Out: 519.929+/-401.705 χ²/NDF:20.8/23
Right Out: 503.291+/-391.568 χ²/NDF: 27.1/34
Left In: 126.031+/-404.630 χ²/NDF:29.5/22
Left: 324.409+/-285.077 χ²/NDF: 50.7/46
Right: 180.058+/-276.070 χ²/NDF: 55.2/67
In: -11.823+/-280.535 χ²/NDF:56.4/55
Out: 511.397+/-280.396 χ²/NDF:47.9/58
All: 249.917+/-198.319 χ²/NDF: 106.1/114



Right In: 1771.768+/-0.275 χ^2/NDF: 723929.2/32

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1787.509+/-0.277 χ^2/NDF: 327769.5/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

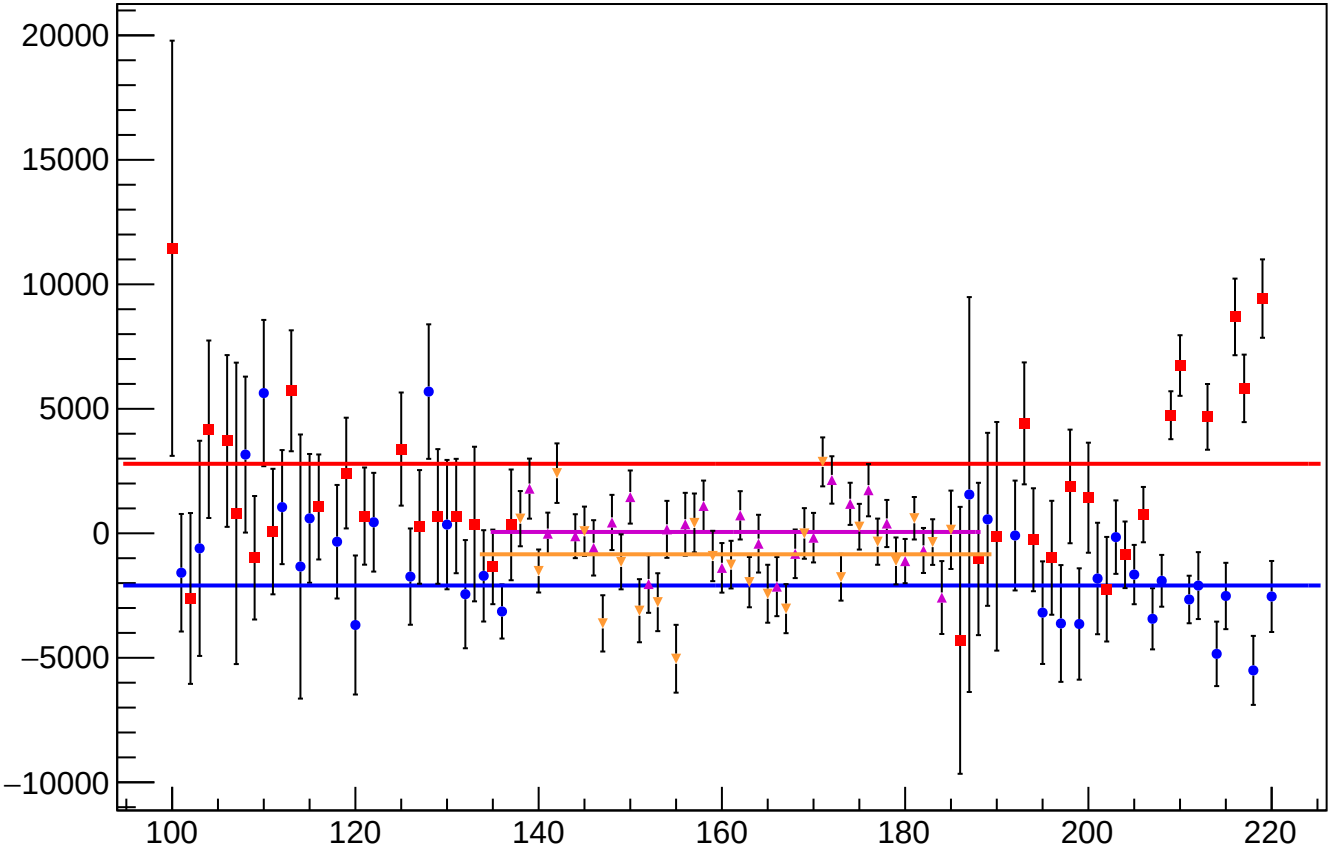
Right: 1779.593+/-0.195 χ^2/NDF: 1053324.2/67

In: 1753.136+/-0.198 χ^2/NDF:735697.6/55

Out: 1759.902+/-0.198 χ^2/NDF:349144.1/58

All: 1756.521+/-0.140 χ^2/NDF: 1085423.7/11

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -2095.659+/-301.455 χ^2/NDF: 42.7/32

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 2792.112+/-326.105 χ^2/NDF: 103.2/34

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

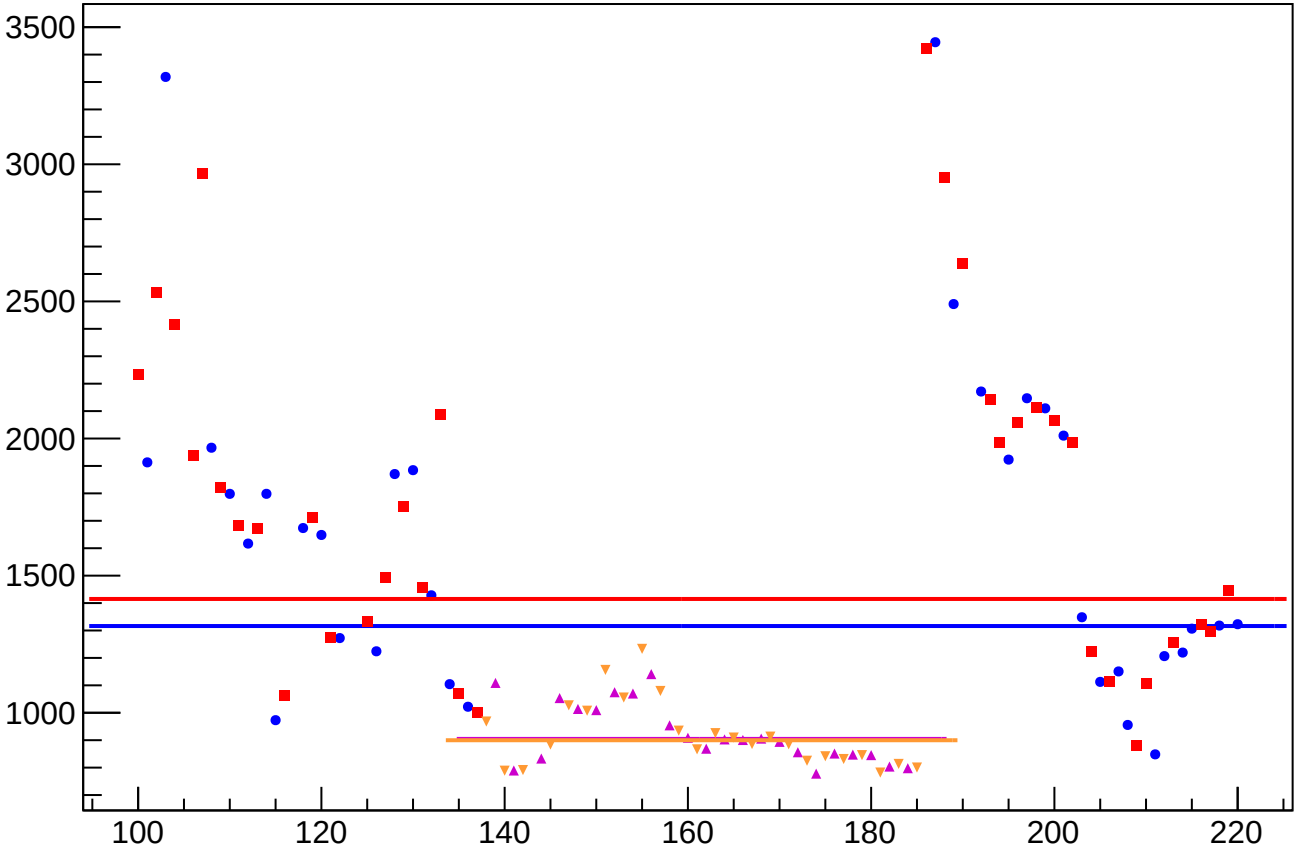
Right: 156.532+/-221.363 χ^2/NDF: 267.0/67

In: -661.744+/-173.939 χ^2/NDF:107.2/55

Out: 229.074+/-177.064 χ^2/NDF:253.5/58

All: -224.266+/-124.084 χ^2/NDF: 373.6/114

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1316.261+/-0.213 χ^2/NDF: 3607969.9/32

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1414.969+/-0.231 χ^2/NDF: 3976970.6/34

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

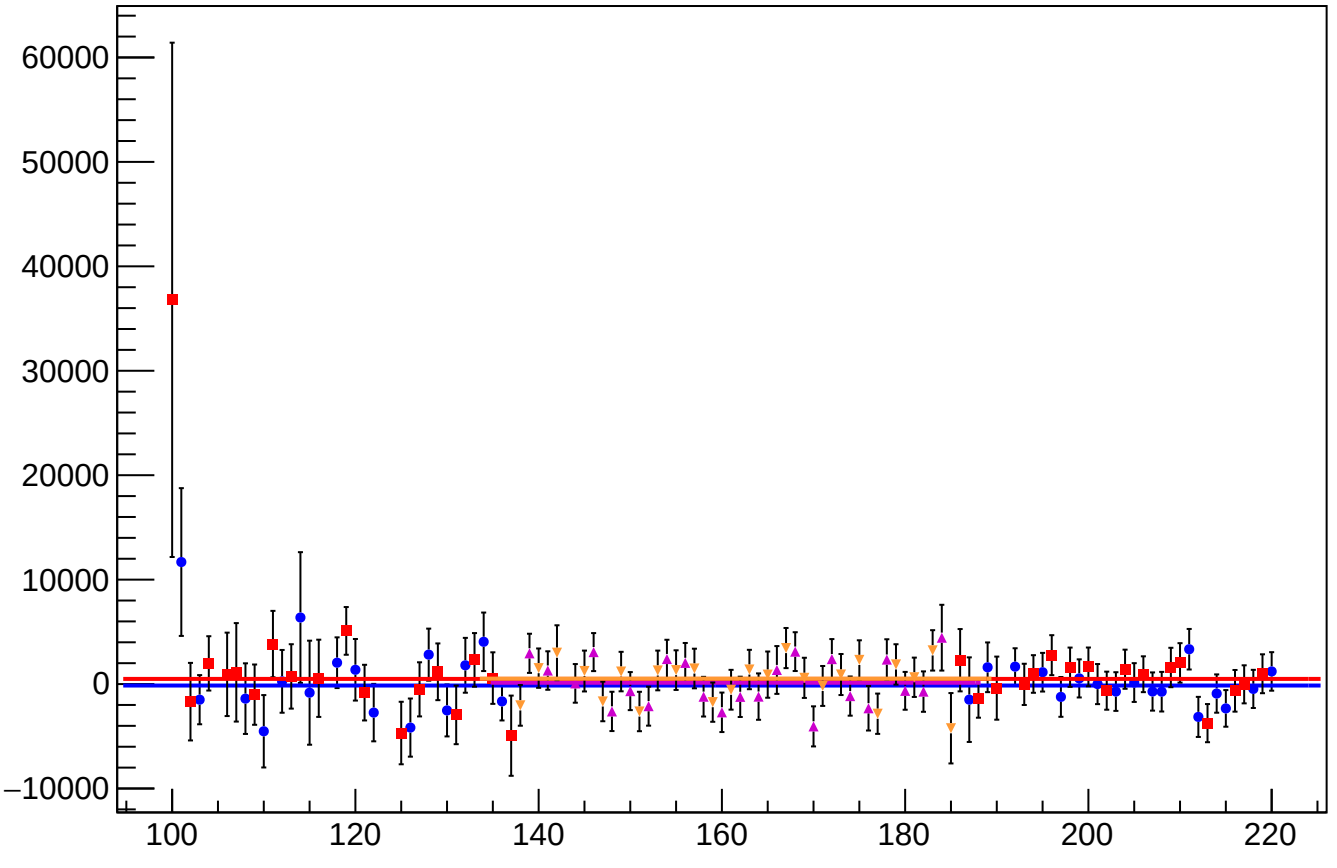
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1361.744+/-0.157 χ^2/NDF: 7683746.0/67

In: 1041.691+/-0.123 χ^2/NDF:6547481.3/55

Out: 1051.686+/-0.125 χ^2/NDF:7991952.0/58

All: 1046.600+/-0.088 χ^2/NDF: 14542676.9/1



Right In: -139.726+/-389.287 χ^2/NDF: 26.8/32

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 494.409+/-391.838 χ^2/NDF: 27.0/34

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

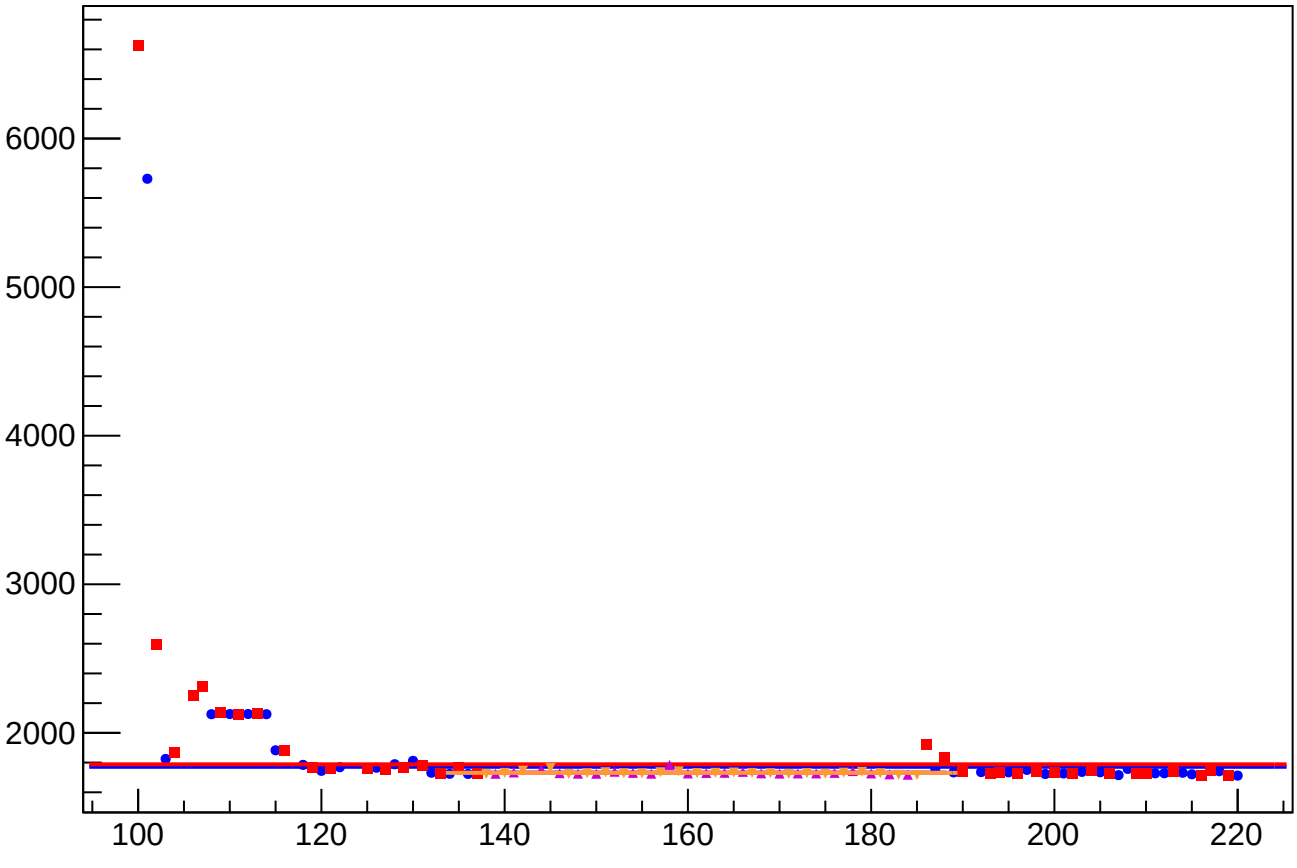
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 175.271+/-276.165 χ^2/NDF: 55.1/67

In: -11.953+/-280.535 χ^2/NDF:56.4/55

Out: 506.865+/-280.495 χ^2/NDF:47.8/58

All: 247.494+/-198.354 χ^2/NDF: 105.9/114



Right In: 1771.768+/-0.275 χ^2/NDF: 723929.1/32

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

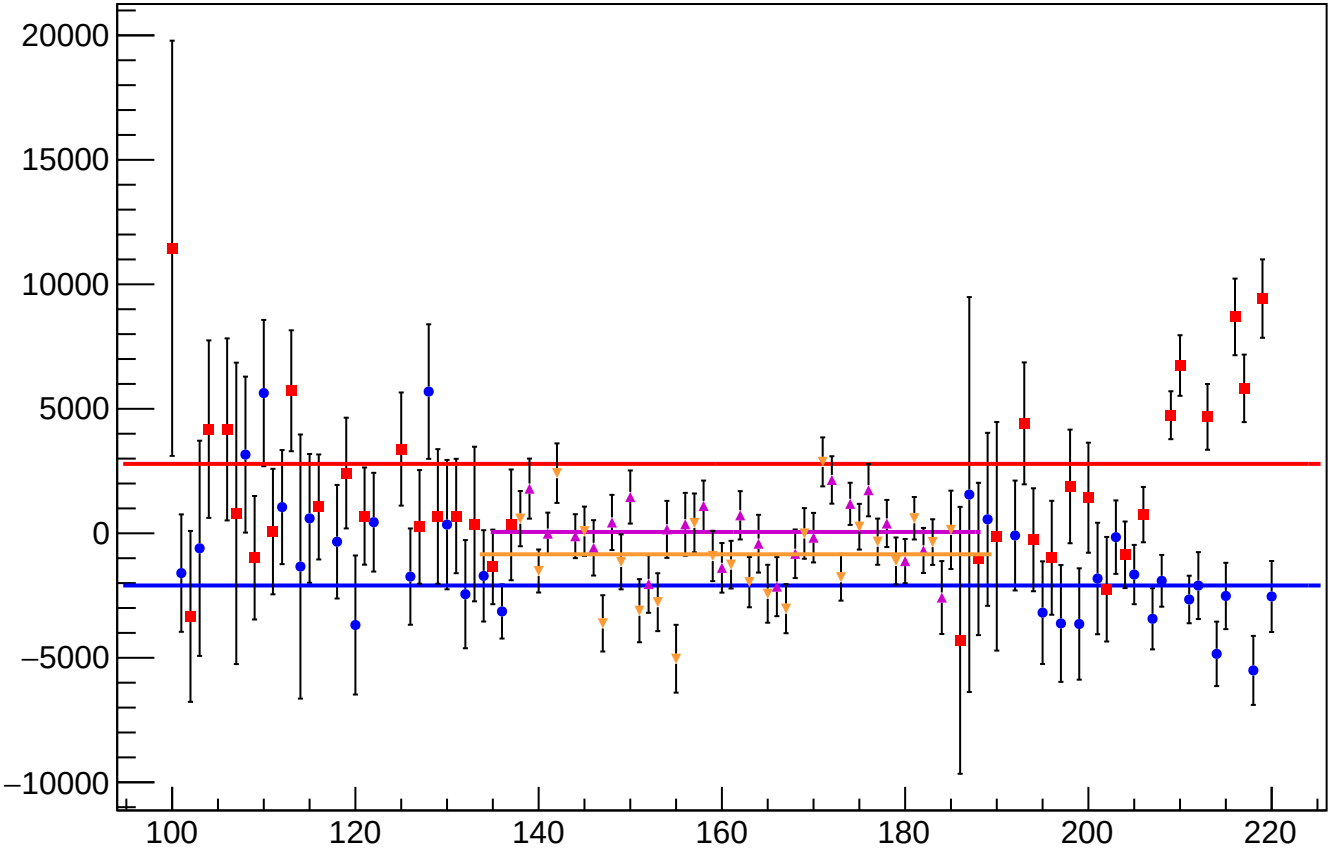
Right: 1779.909+/-0.195 χ^2/NDF: 1063116.4/67

In: 1753.136+/-0.198 χ^2/NDF:735697.4/55

Out: 1760.214+/-0.198 χ^2/NDF:359256.2/58

All: 1756.676+/-0.140 χ^2/NDF: 1095590.3/11

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -2095.860+/-301.447 χ^2/NDF: 42.7/32

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 2788.440+/-326.264 χ^2/NDF: 104.0/34

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

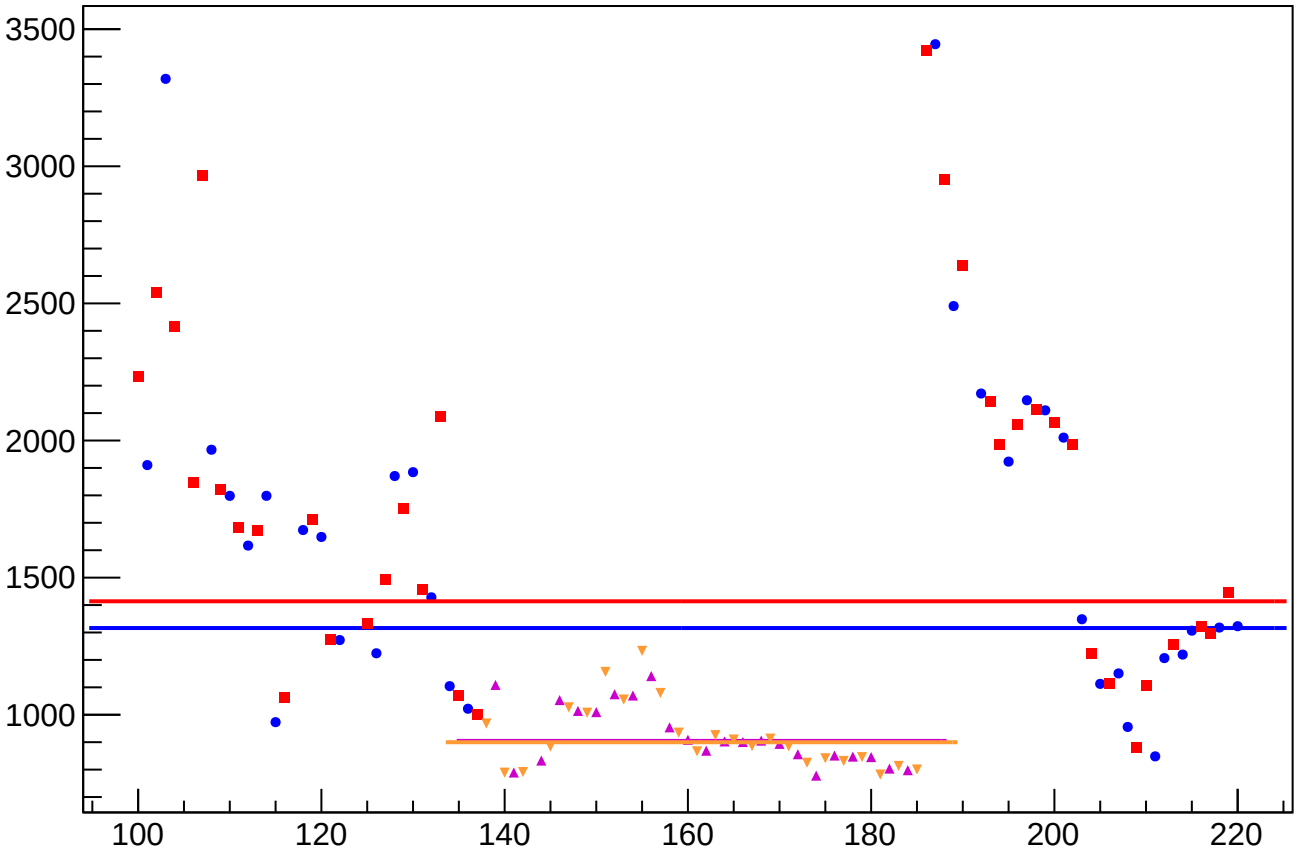
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 153.492+/-221.410 χ^2/NDF: 267.6/67

In: -661.816+/-173.937 χ^2/NDF:107.3/55

Out: 227.235+/-177.090 χ^2/NDF:254.1/58

All: -225.275+/-124.092 χ^2/NDF: 374.1/114



Right In: 1316.241+/-0.213 χ^2/NDF: 3607293.5/32

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

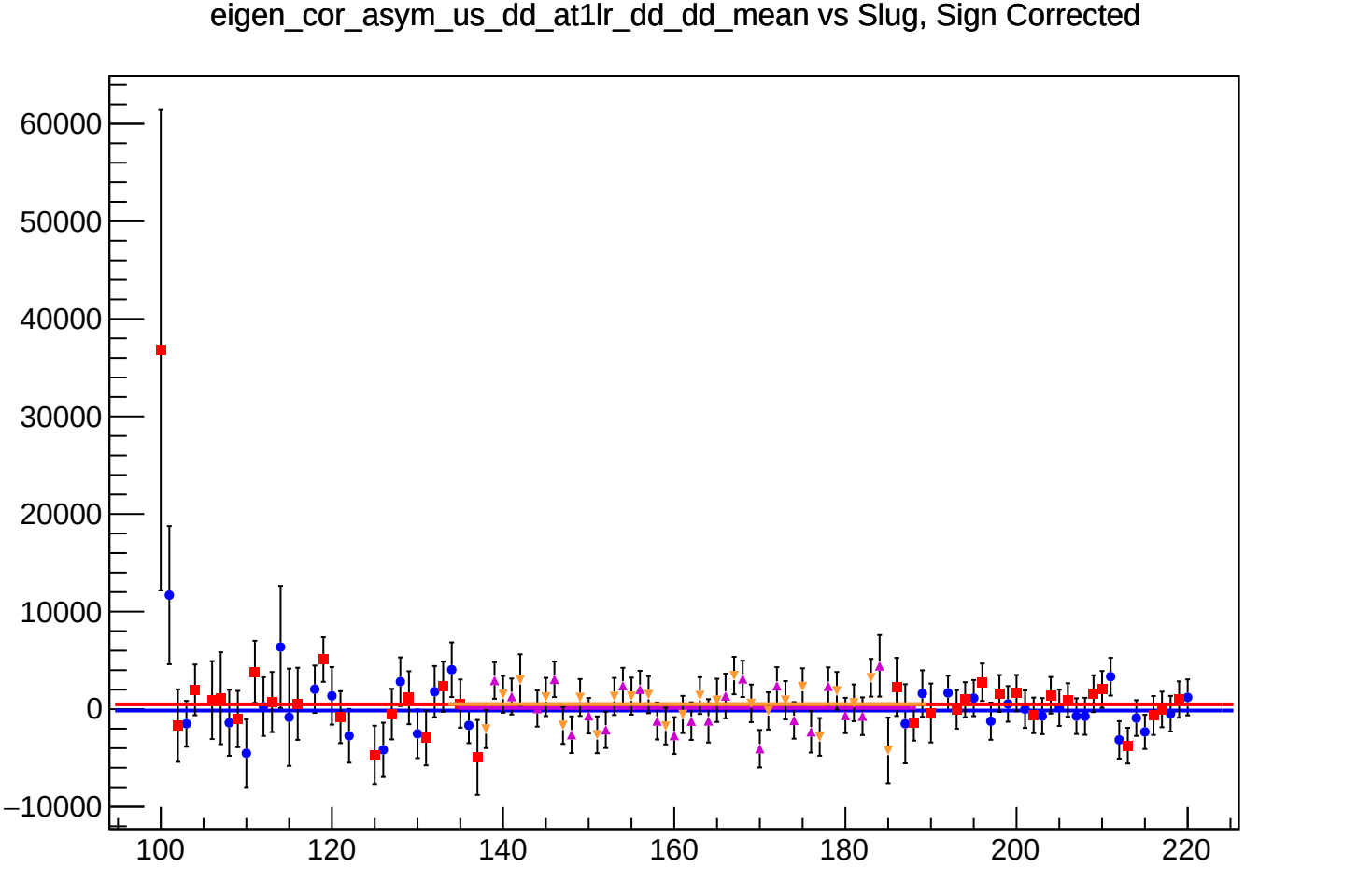
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

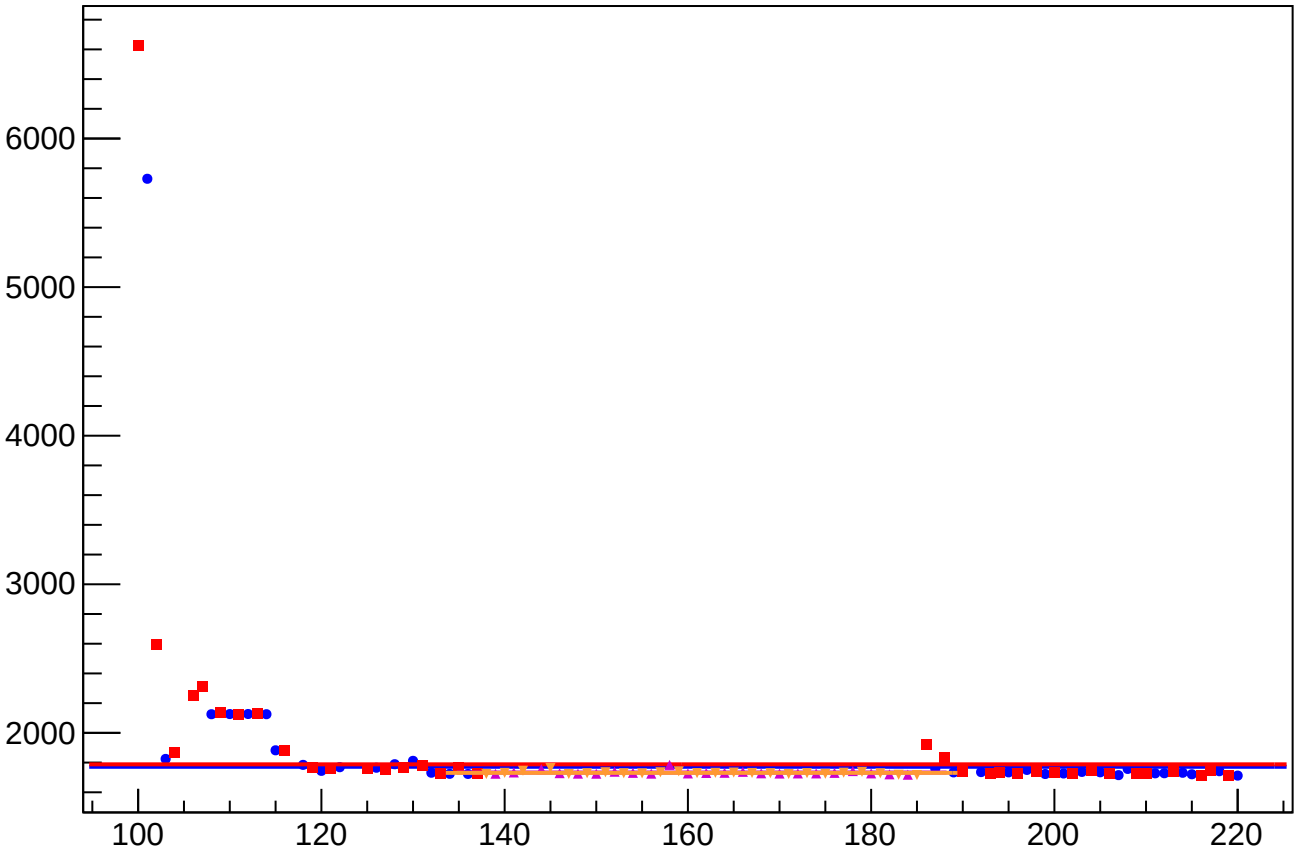
Right: 1361.144+/-0.157 χ^2/NDF: 7664283.5/67

In: 1041.686+/-0.123 χ^2/NDF:6546690.0/55

Out: 1051.224+/-0.125 χ^2/NDF:7956385.7/58

All: 1046.369+/-0.088 χ^2/NDF: 14506028.7/1


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -139.726+/-389.287 χ²/NDF: 26.8/32
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 494.409+/-391.838 χ²/NDF: 27.0/34
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 175.271+/-276.165 χ²/NDF: 55.1/67
In: -11.953+/-280.535 χ²/NDF:56.4/55
Out: 506.865+/-280.495 χ²/NDF:47.8/58
All: 247.494+/-198.354 χ²/NDF: 105.9/114



Right In: 1771.768+/-0.275 χ^2/NDF: 723929.1/32

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

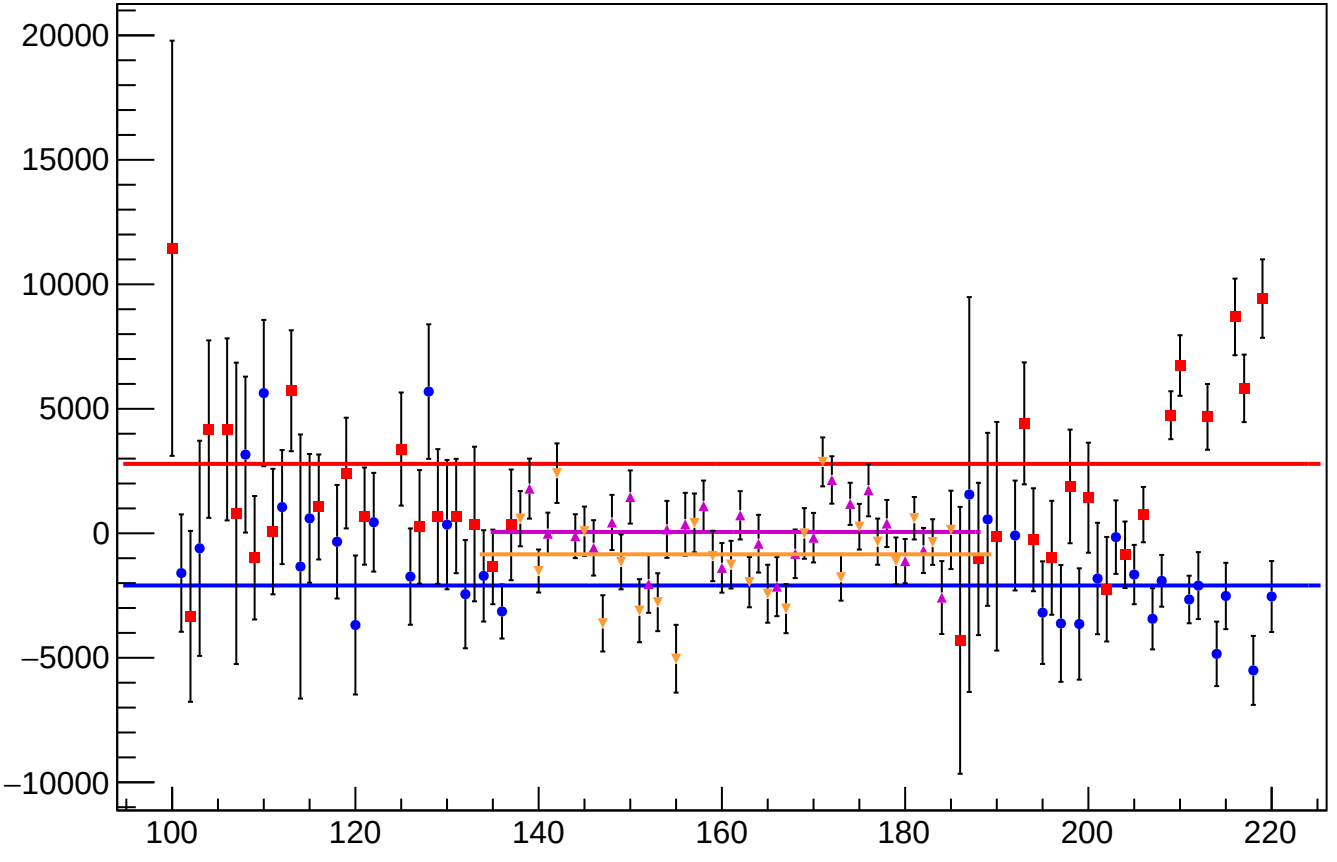
Right: 1779.909+/-0.195 χ^2/NDF: 1063116.4/67

In: 1753.136+/-0.198 χ^2/NDF:735697.4/55

Out: 1760.214+/-0.198 χ^2/NDF:359256.2/58

All: 1756.676+/-0.140 χ^2/NDF: 1095590.3/11

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2095.860+/-301.447 χ^2/NDF: 42.7/32

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 2788.440+/-326.264 χ^2/NDF: 104.0/34

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

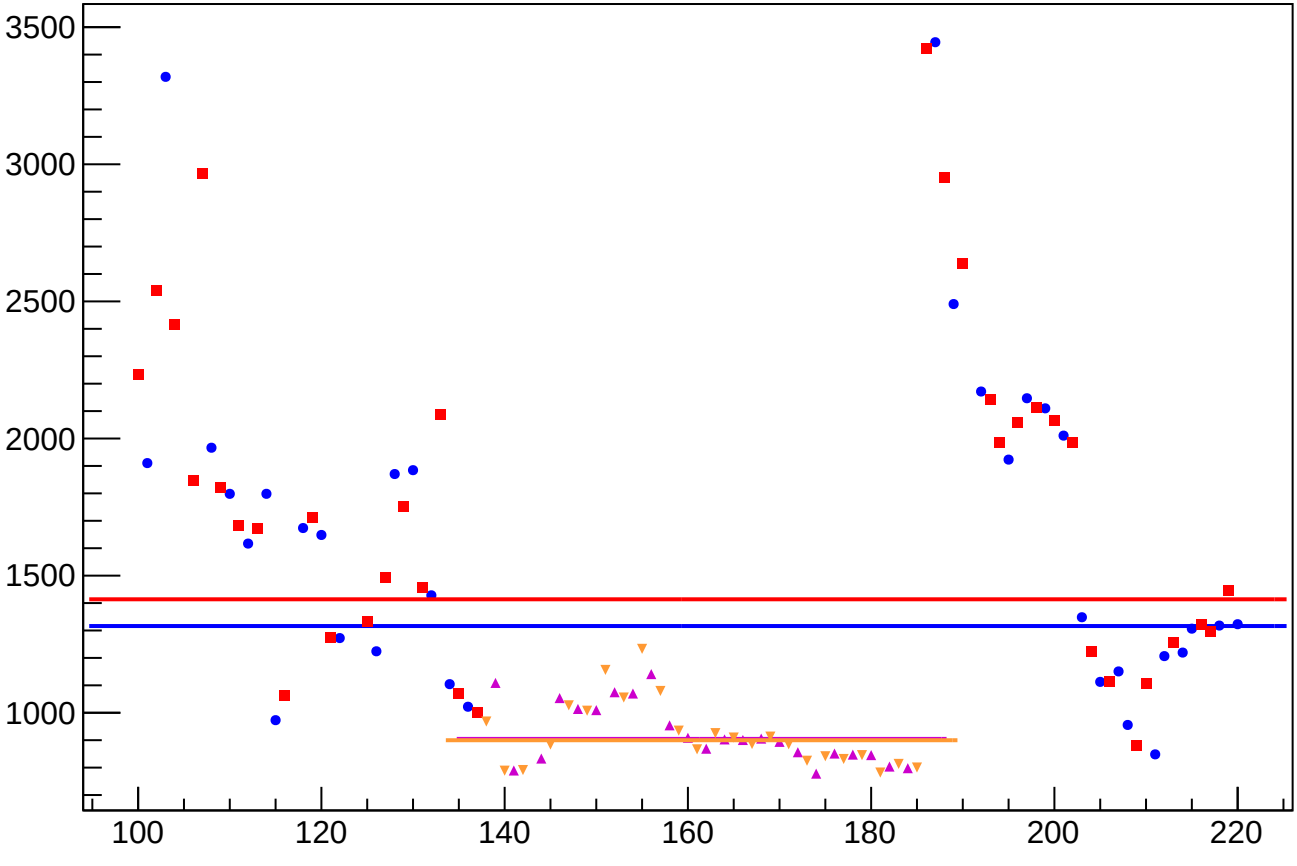
Right: 153.492+/-221.410 χ^2/NDF: 267.6/67

In: -661.816+/-173.937 χ^2/NDF:107.3/55

Out: 227.235+/-177.090 χ^2/NDF:254.1/58

All: -225.275+/-124.092 χ^2/NDF: 374.1/114

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1316.241+/-0.213 χ^2/NDF: 3607293.5/32

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

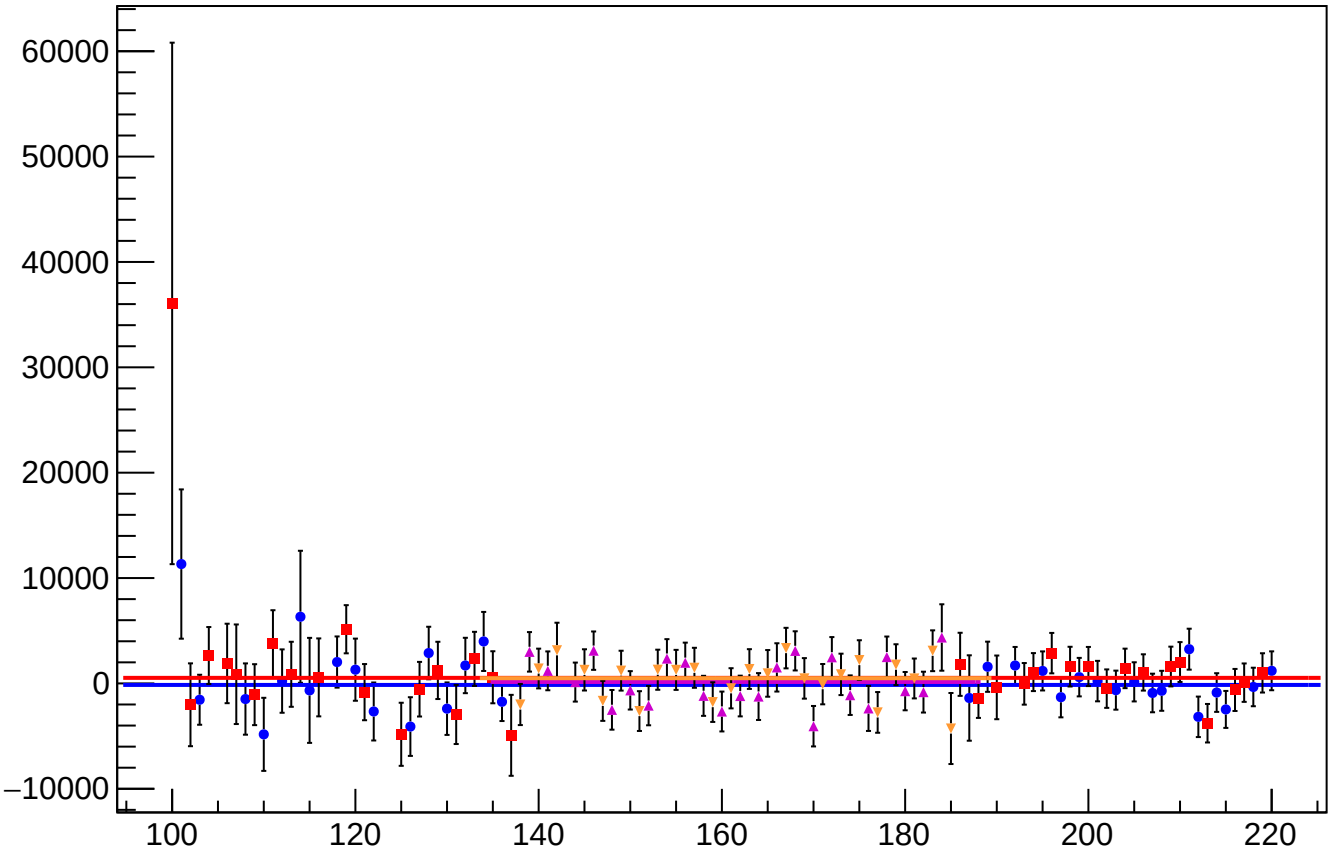
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1361.144+/-0.157 χ^2/NDF: 7664283.5/67

In: 1041.686+/-0.123 χ^2/NDF:6546690.0/55

Out: 1051.224+/-0.125 χ^2/NDF:7956385.7/58

All: 1046.369+/-0.088 χ^2/NDF: 14506028.7/1



Right In: -144.045+/-389.659 χ^2/NDF: 26.8/32

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 526.975+/-392.552 χ^2/NDF: 27.7/34

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

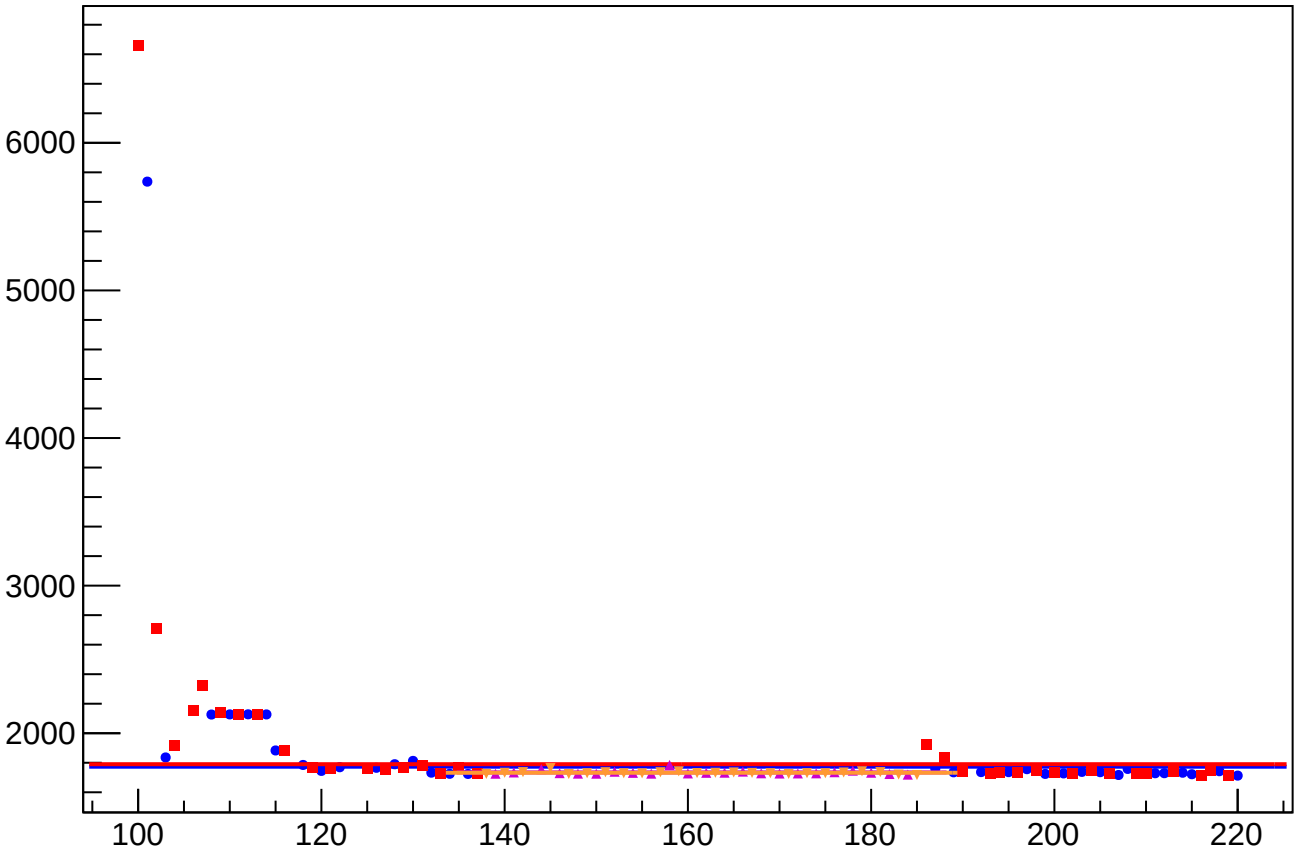
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 188.983+/-276.547 χ^2/NDF: 55.9/67

In: -8.867+/-280.795 χ^2/NDF:56.6/55

Out: 511.320+/-280.880 χ^2/NDF:47.7/58

All: 251.148+/-198.582 χ^2/NDF: 106.1/114



Right In: 1773.353+/-0.276 χ^2/NDF: 724527.3/32

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1790.204+/-0.278 χ^2/NDF: 348476.3/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

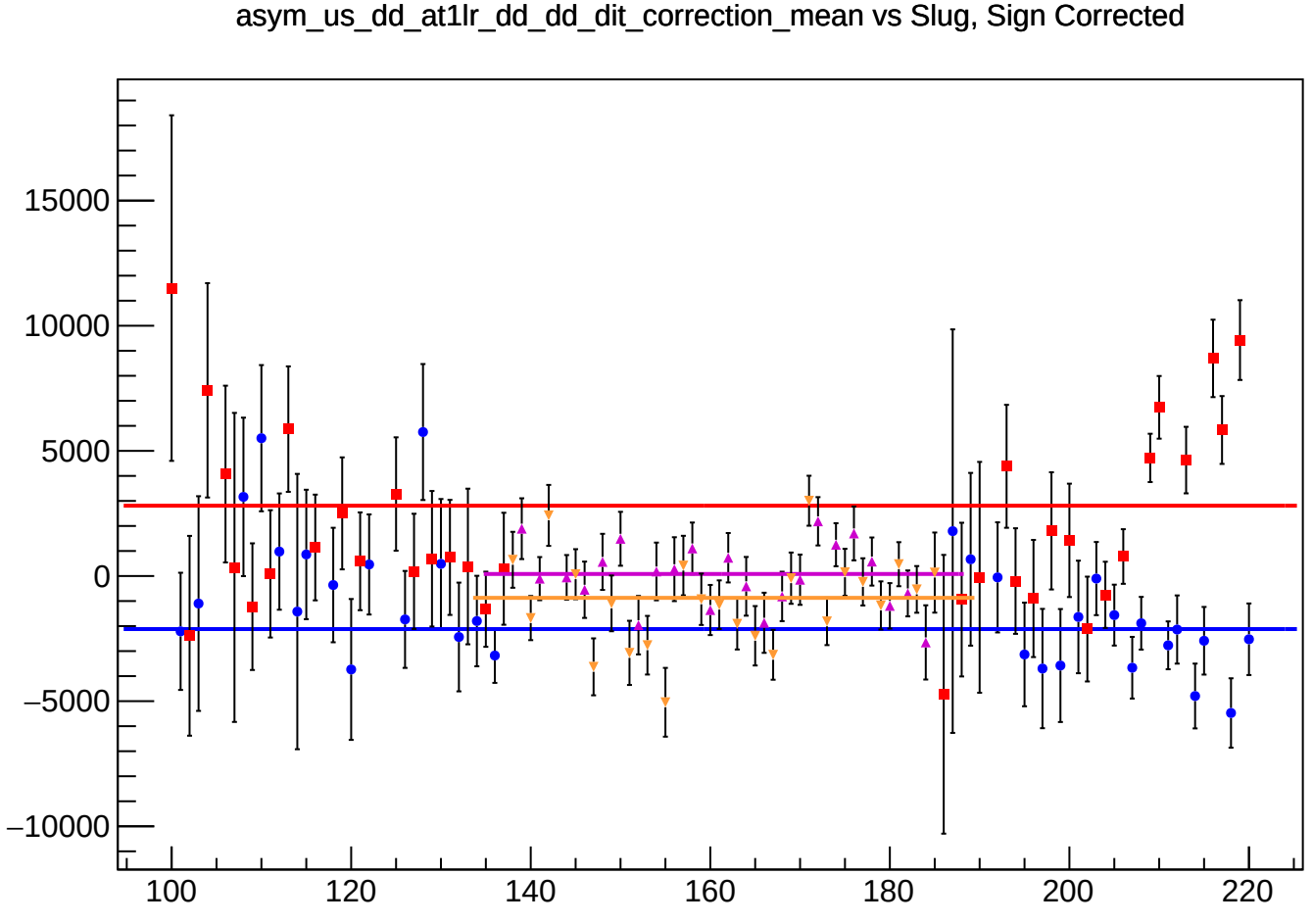
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1781.716+/-0.196 χ^2/NDF: 1074859.9/67

In: 1754.709+/-0.199 χ^2/NDF:736267.9/55

Out: 1761.989+/-0.199 χ^2/NDF:370558.8/58

All: 1758.348+/-0.140 χ^2/NDF: 1107498.7/11



Right In: -2119.698+/-302.960 χ^2/NDF: 43.2/32

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 2808.970+/-328.536 χ^2/NDF: 101.9/34

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

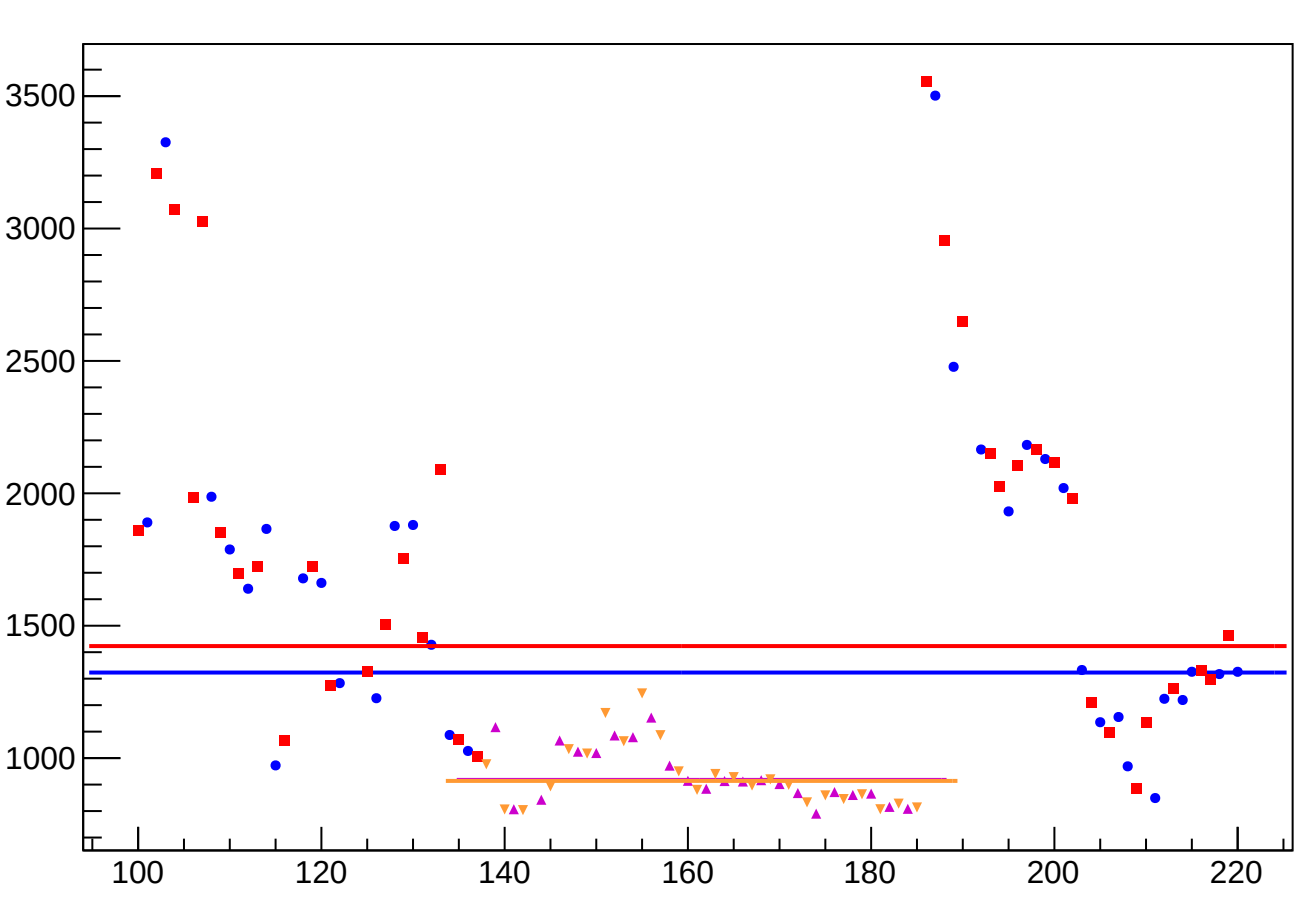
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 145.351+/-222.719 χ^2/NDF: 266.8/67

In: -659.919+/-175.829 χ^2/NDF:108.2/55

Out: 224.019+/-179.319 χ^2/NDF:252.1/58

All: -226.634+/-125.546 χ^2/NDF: 372.7/114



Right In: 1323.139+/-0.214 χ^2/NDF: 3598711.7/32

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1423.085+/-0.232 χ^2/NDF: 4399501.0/34

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

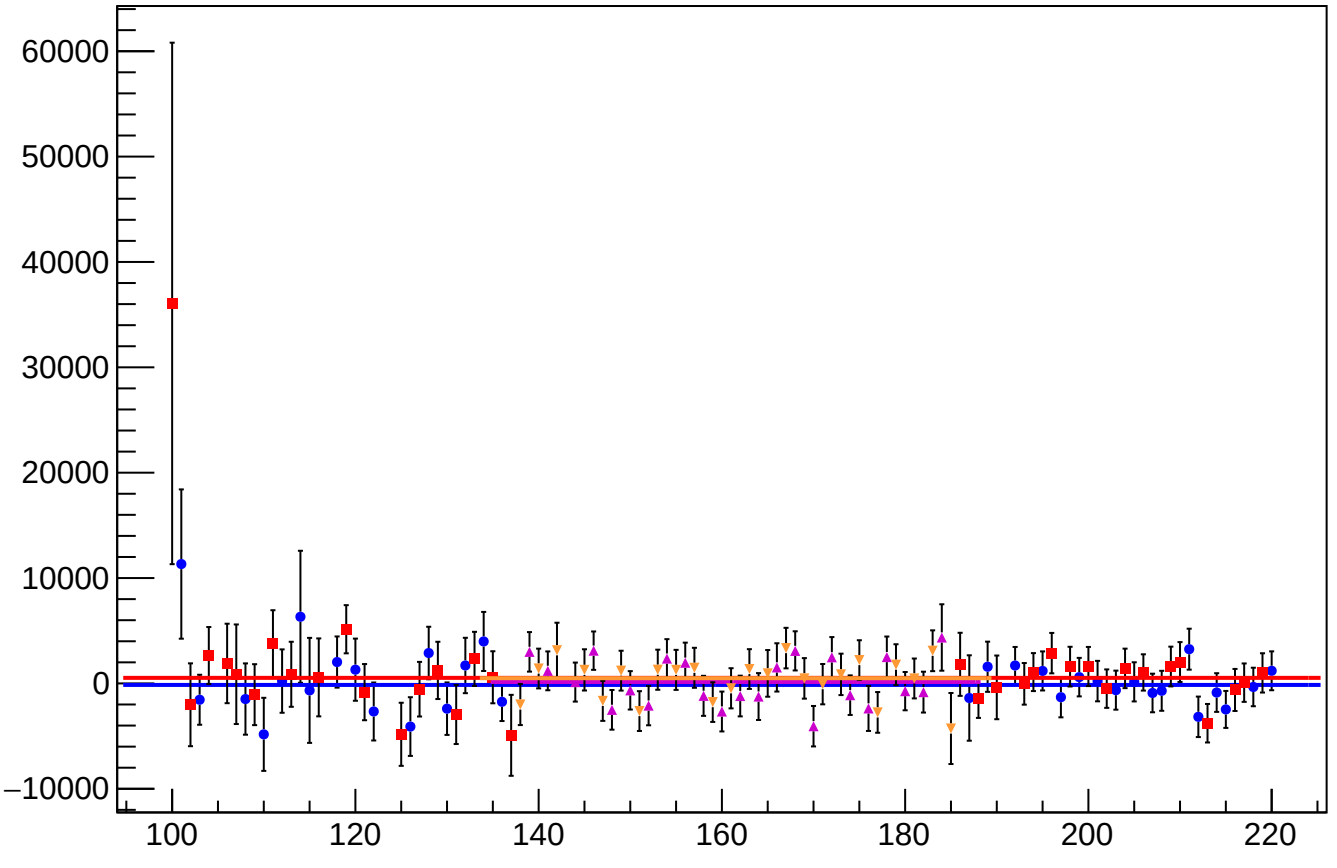
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1369.071+/-0.157 χ^2/NDF: 8098244.8/67

In: 1054.247+/-0.124 χ^2/NDF:6404897.6/55

Out: 1065.591+/-0.127 χ^2/NDF:8235306.2/58

All: 1059.807+/-0.089 χ^2/NDF: 14644284.2/1



Right In: -144.043+/-389.659 χ^2/NDF: 26.8/32

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 526.970+/-392.552 χ^2/NDF: 27.7/34

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

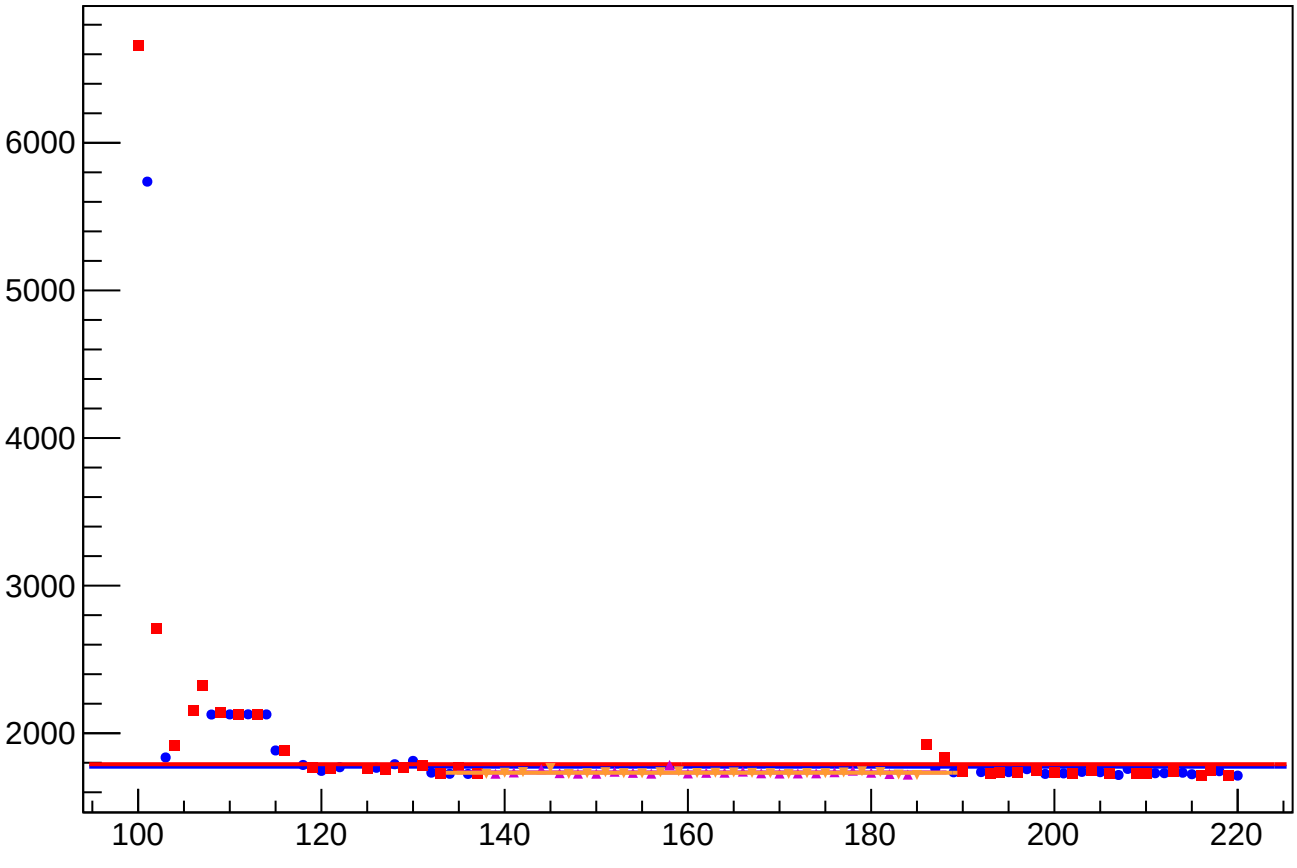
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 188.982+/-276.547 χ^2/NDF: 55.9/67

In: -8.865+/-280.795 χ^2/NDF:56.6/55

Out: 511.318+/-280.880 χ^2/NDF:47.7/58

All: 251.147+/-198.582 χ^2/NDF: 106.1/114



Right In: 1773.353+/-0.276 χ^2/NDF: 724527.3/32

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1790.204+/-0.278 χ^2/NDF: 348476.0/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

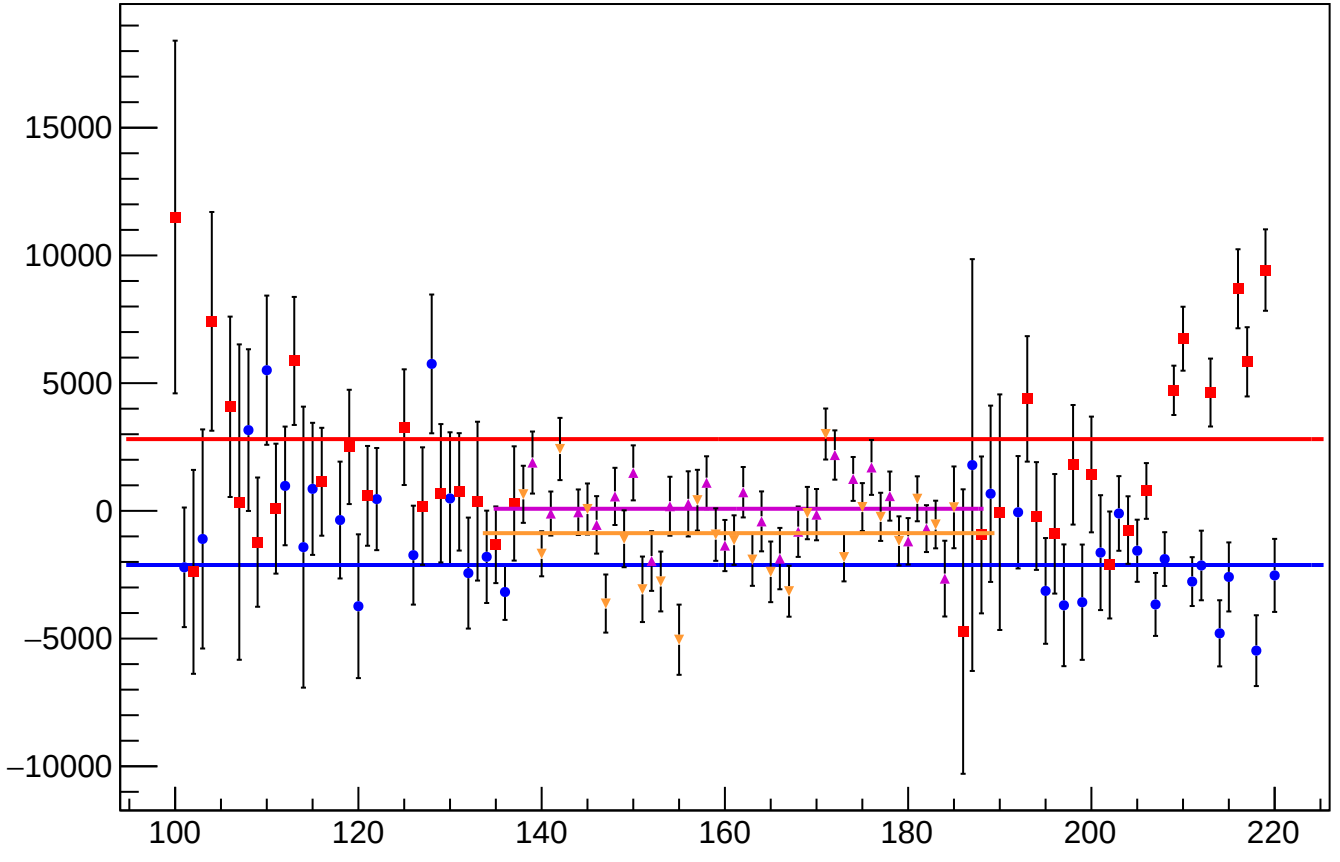
Right: 1781.716+/-0.196 χ^2/NDF: 1074859.6/67

In: 1754.709+/-0.199 χ^2/NDF:736267.8/55

Out: 1761.989+/-0.199 χ^2/NDF:370558.6/58

All: 1758.347+/-0.140 χ^2/NDF: 1107498.4/11

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2119.694+/-302.960 χ^2/NDF: 43.2/32

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 2808.971+/-328.535 χ^2/NDF: 101.9/34

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

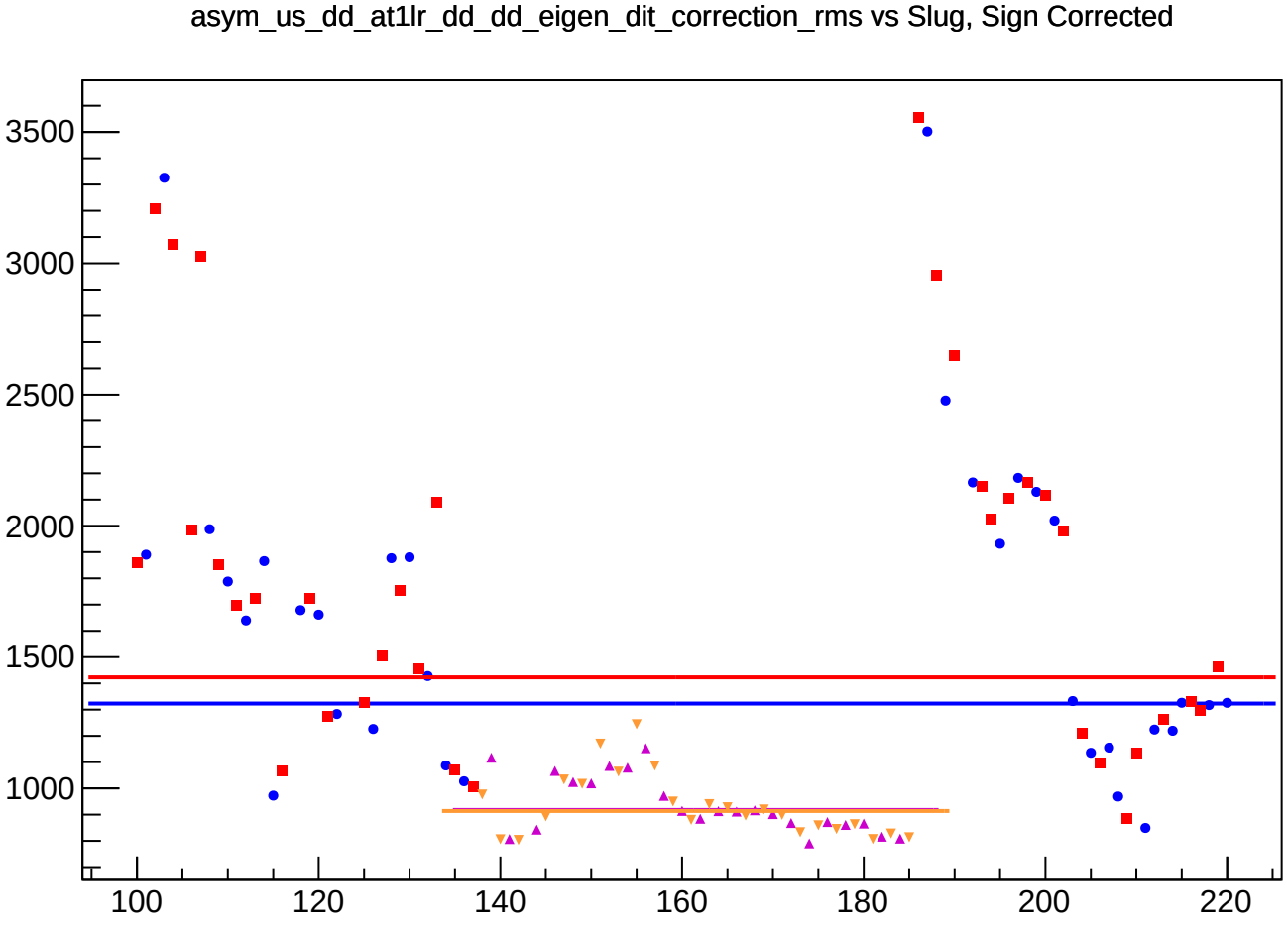
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 145.356+/-222.718 χ^2/NDF: 266.8/67

In: -659.919+/-175.829 χ^2/NDF:108.2/55

Out: 224.023+/-179.319 χ^2/NDF:252.1/58

All: -226.632+/-125.546 χ^2/NDF: 372.7/114



Right In: 1323.137+/-0.214 χ^2/NDF: 3598706.0/32

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1423.082+/-0.232 χ^2/NDF: 4399517.5/34

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

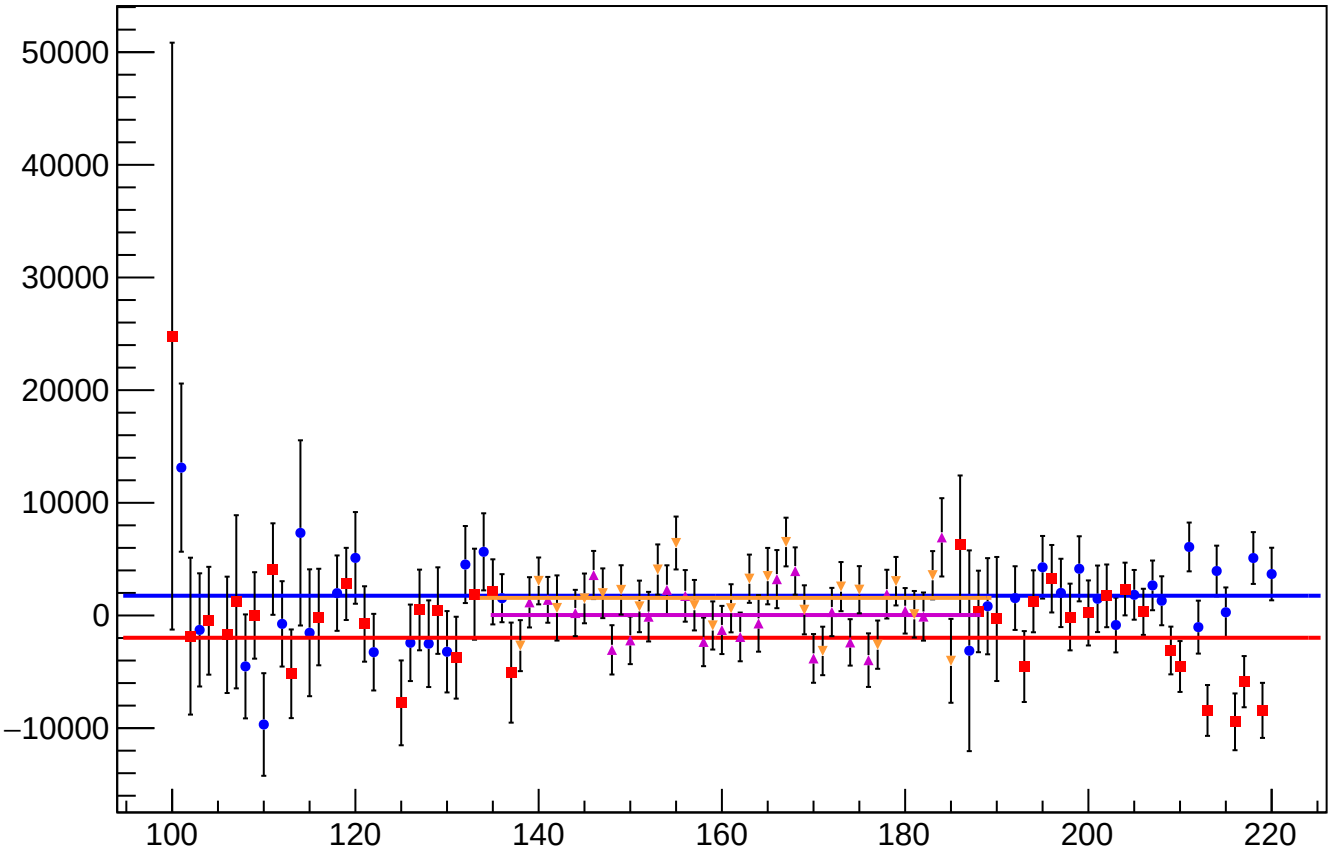
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1369.069+/-0.157 χ^2/NDF: 8098252.6/67

In: 1054.247+/-0.124 χ^2/NDF:6404896.6/55

Out: 1065.590+/-0.127 χ^2/NDF:8235306.1/58

All: 1059.807+/-0.089 χ^2/NDF: 14644282.9/1



Right In: 1752.707+/-516.070 χ^2/NDF: 34.4/32

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -1978.321+/-536.293 χ^2/NDF: 57.1/34

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

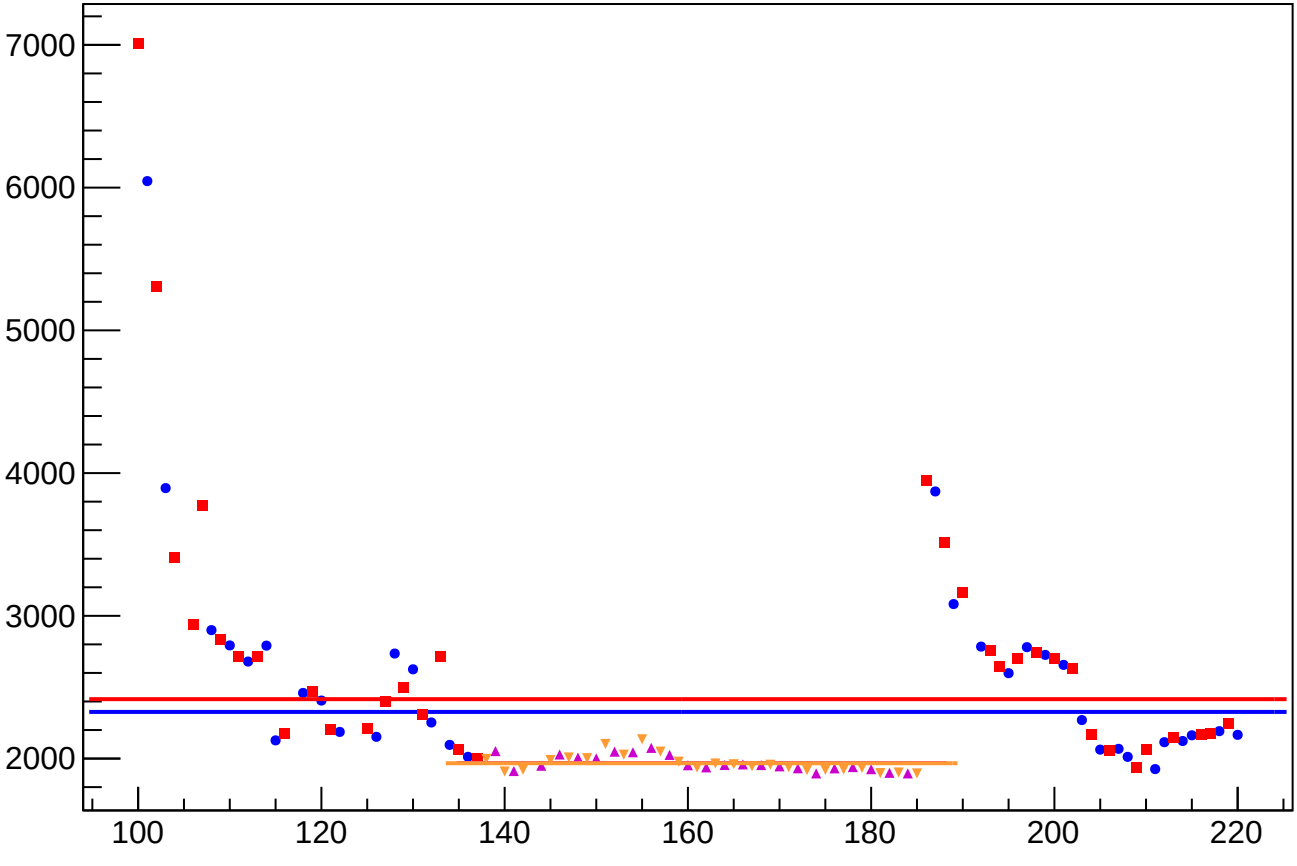
Right: -41.137+/-371.860 χ^2/NDF: 116.6/67

In: 798.112+/-343.362 χ^2/NDF:68.3/55

Out: 72.737+/-347.786 χ^2/NDF:113.6/58

All: 440.067+/-244.343 χ^2/NDF: 184.1/114

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2326.867+/-0.365 χ^2/NDF: 1401786.2/32

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2416.256+/-0.379 χ^2/NDF: 1472757.7/34

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

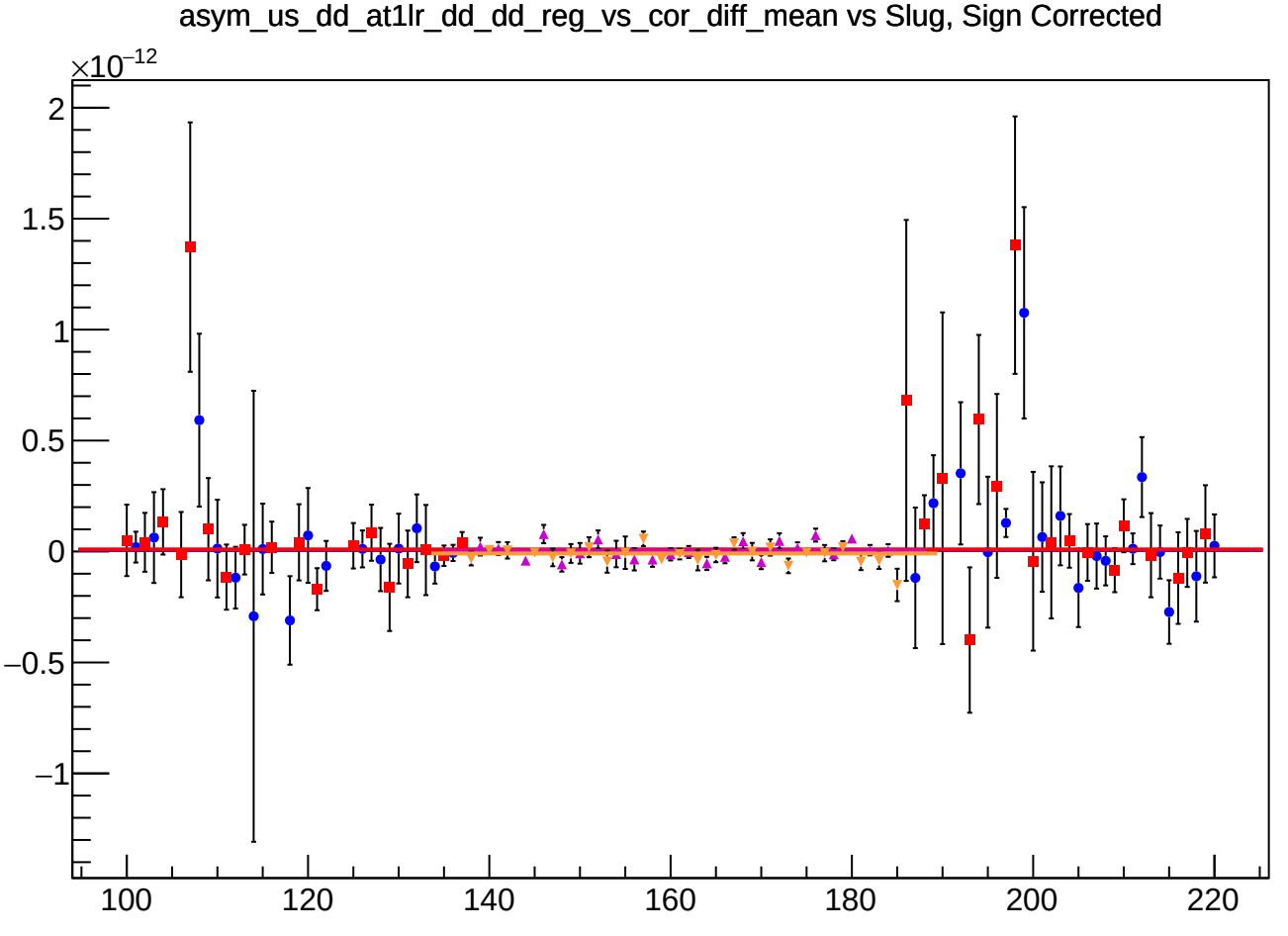
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2369.845+/-0.263 χ^2/NDF: 2903393.6/67

In: 2127.432+/-0.243 χ^2/NDF:1964240.8/55

Out: 2156.177+/-0.246 χ^2/NDF:2318732.3/58

All: 2141.620+/-0.173 χ^2/NDF: 4289891.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/34

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

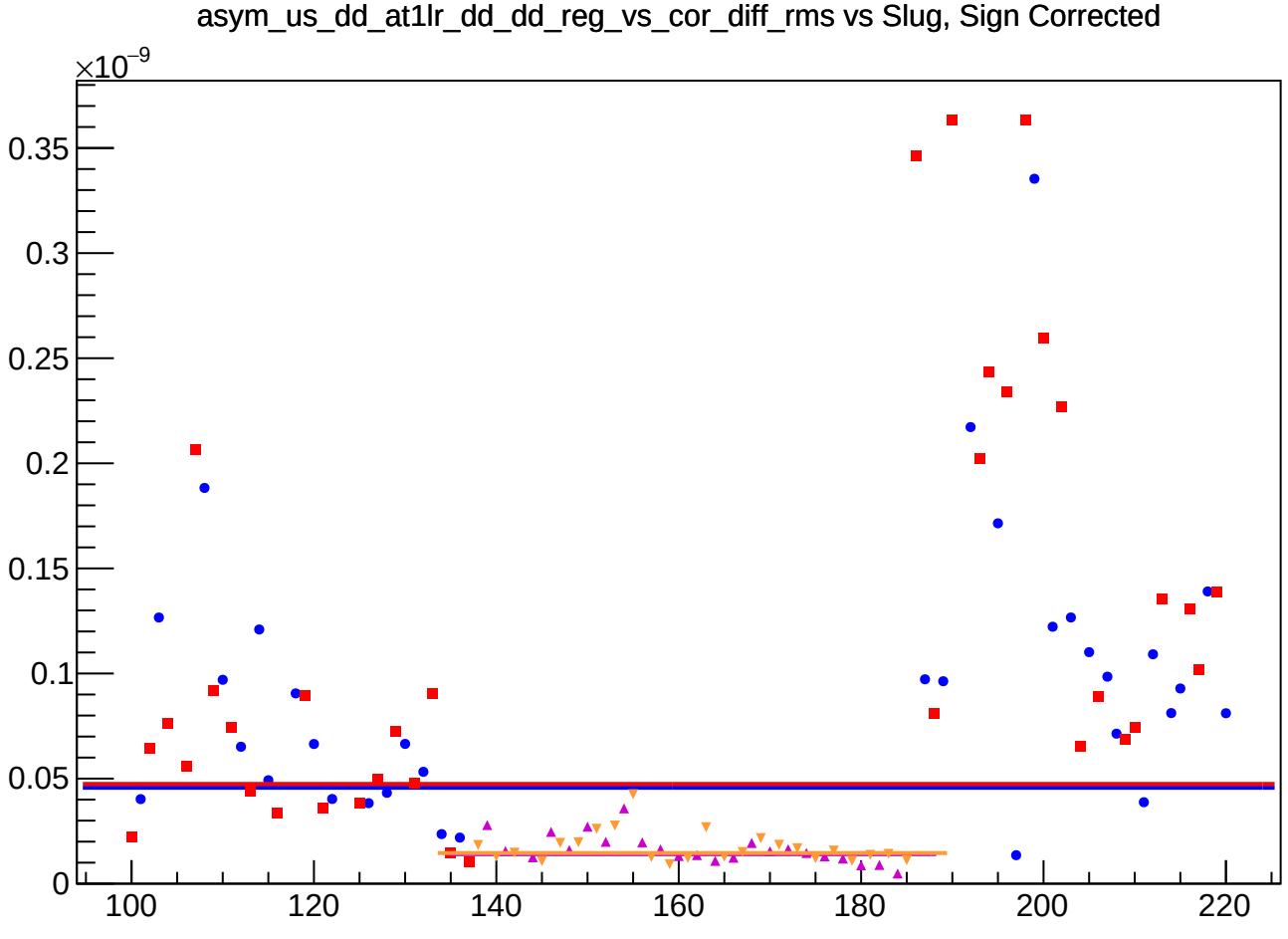
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 55.3/67

In: 0.000+/-0.000 χ^2/NDF:67.0/55

Out: -0.000+/-0.000 χ^2/NDF:48.7/58

All: -0.000+/-0.000 χ^2/NDF: 117.1/114



Right In: 0.000+/-0.000 χ^2/NDF: 6507233.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8577625.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

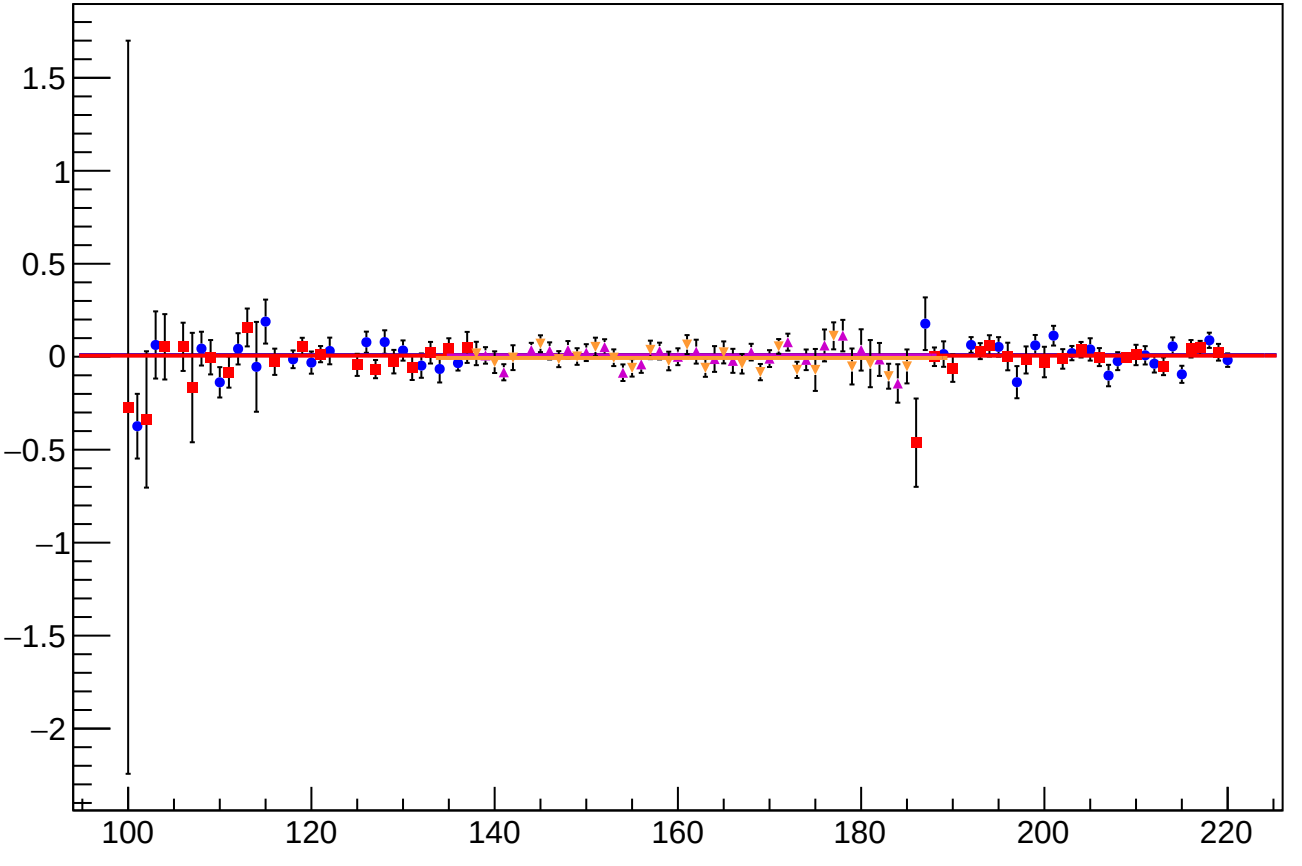
Right: 0.000+/-0.000 χ^2/NDF: 15092818.0/67

In: 0.000+/-0.000 χ^2/NDF:12637096.4/55

Out: 0.000+/-0.000 χ^2/NDF:14121225.9/58

All: 0.000+/-0.000 χ^2/NDF: 26761750.0/114

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 44.6/32

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

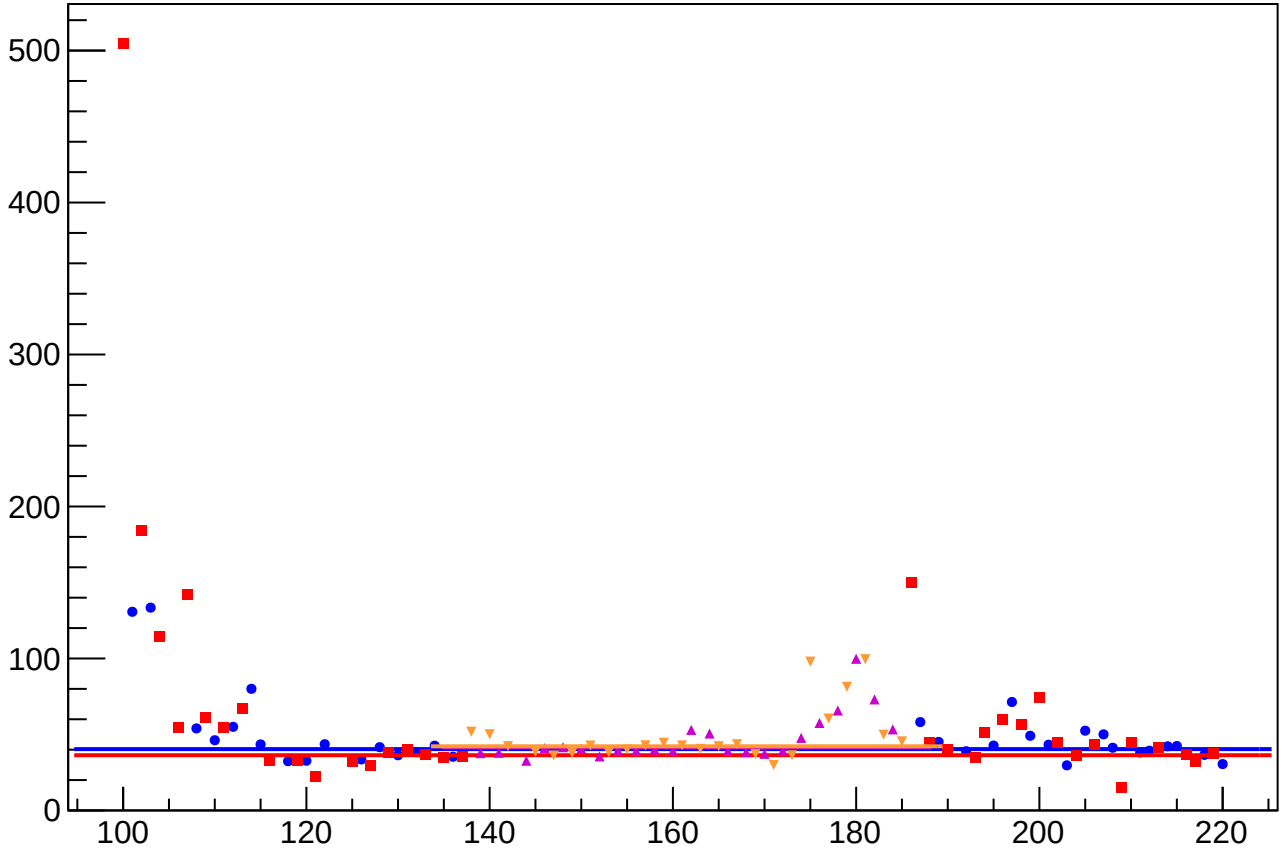
Right: 0.007+/-0.007 χ^2/NDF: 66.2/67

In: 0.008+/-0.007 χ^2/NDF:64.7/55

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.004+/-0.005 χ^2/NDF: 111.4/114

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.365+/-0.007 χ^2/NDF: 2238199.2/32

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

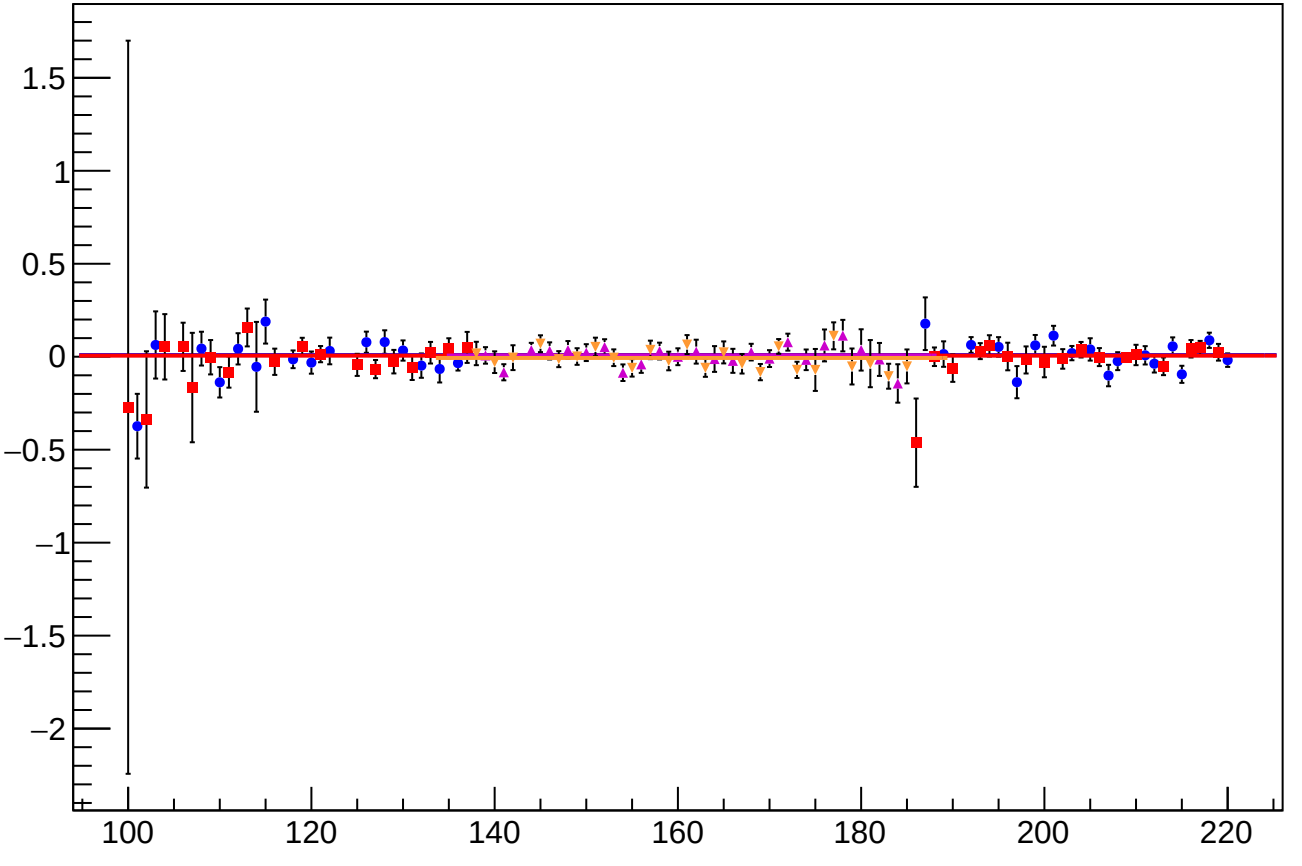
Right: 38.283+/-0.005 χ^2/NDF: 7334395.4/67

In: 40.849+/-0.005 χ^2/NDF:3660836.7/55

Out: 38.885+/-0.005 χ^2/NDF:7071400.8/58

All: 39.855+/-0.004 χ^2/NDF: 10805990.6/114

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 44.6/32

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

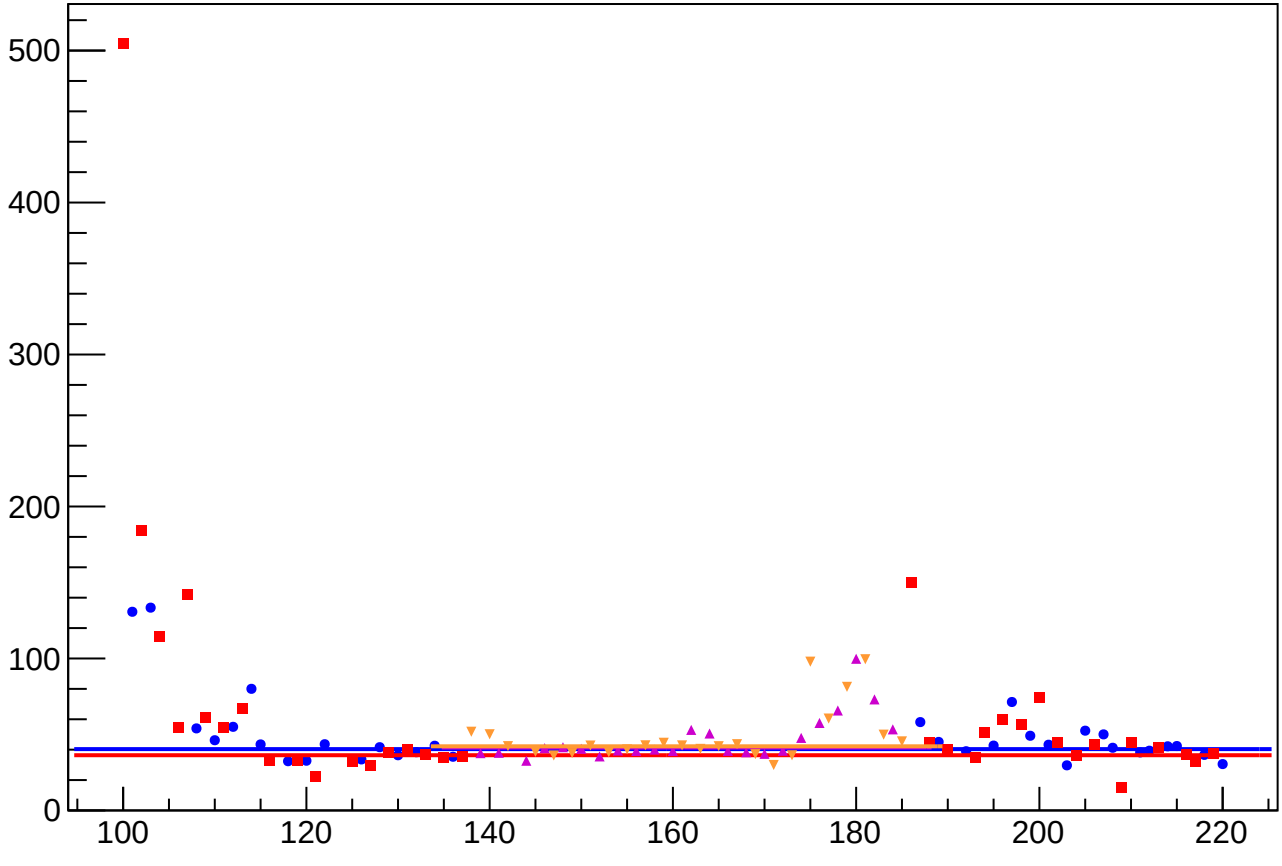
Right: 0.007+/-0.007 χ^2/NDF: 66.2/67

In: 0.008+/-0.007 χ^2/NDF:64.7/55

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.004+/-0.005 χ^2/NDF: 111.4/114

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.365+/-0.007 χ^2/NDF: 2238199.2/32

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

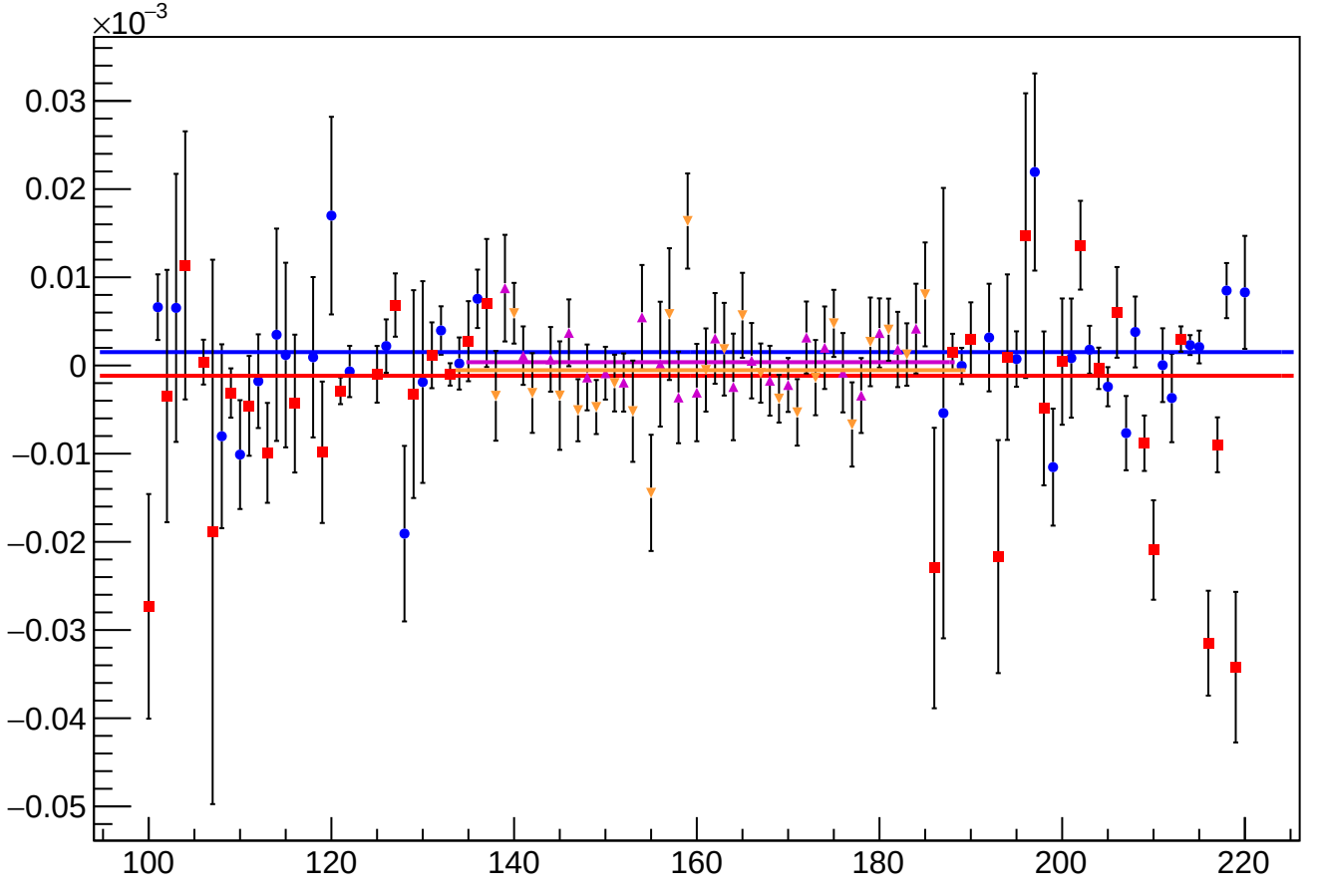
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.283+/-0.005 χ^2/NDF: 7334395.4/67

In: 40.849+/-0.005 χ^2/NDF:3660836.7/55

Out: 38.885+/-0.005 χ^2/NDF:7071400.8/58

All: 39.855+/-0.004 χ^2/NDF: 10805990.6/114



Right In: 0.000+/-0.000 χ^2/NDF: 42.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 111.7/34

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

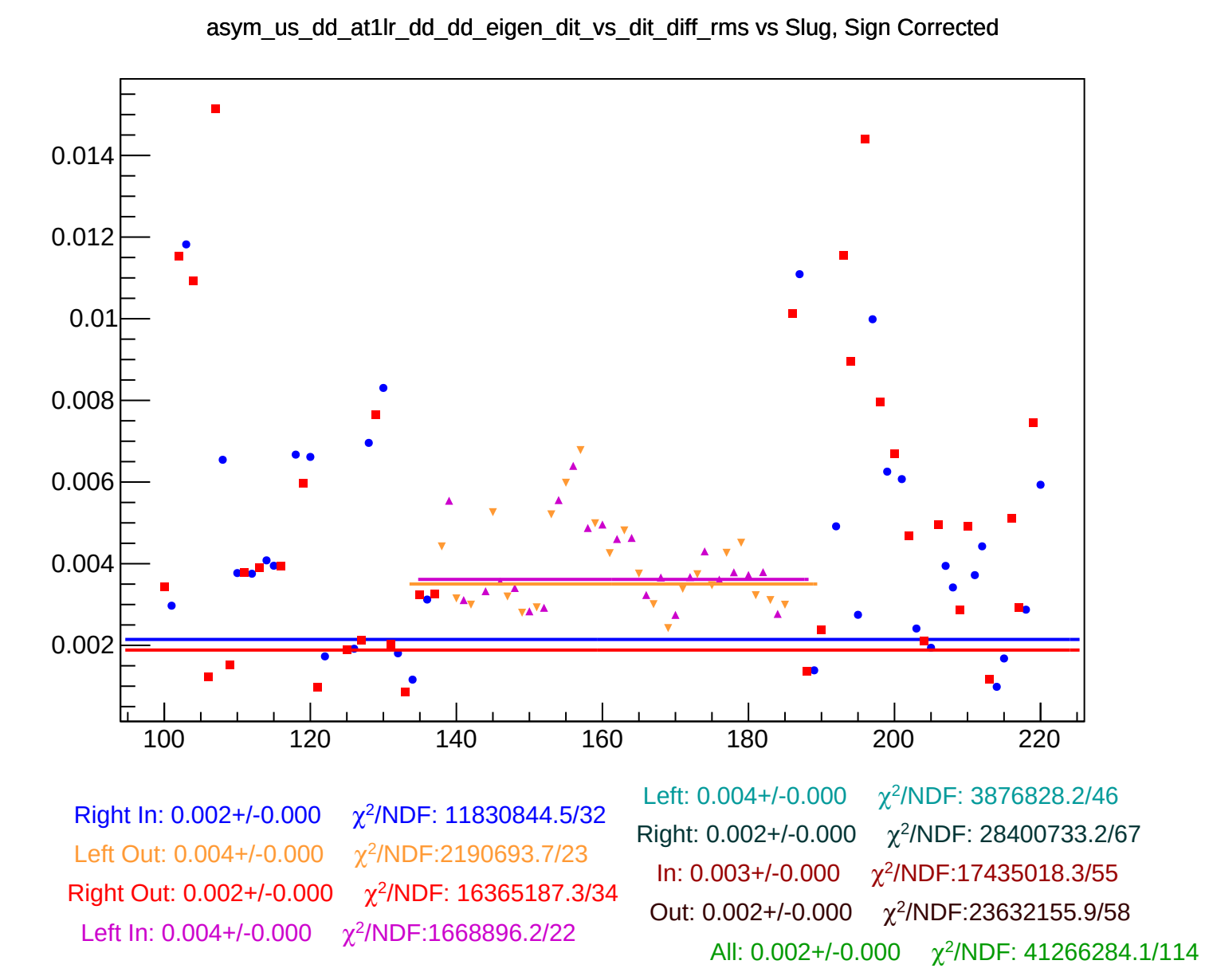
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: 0.000+/-0.000 χ^2/NDF: 164.8/67

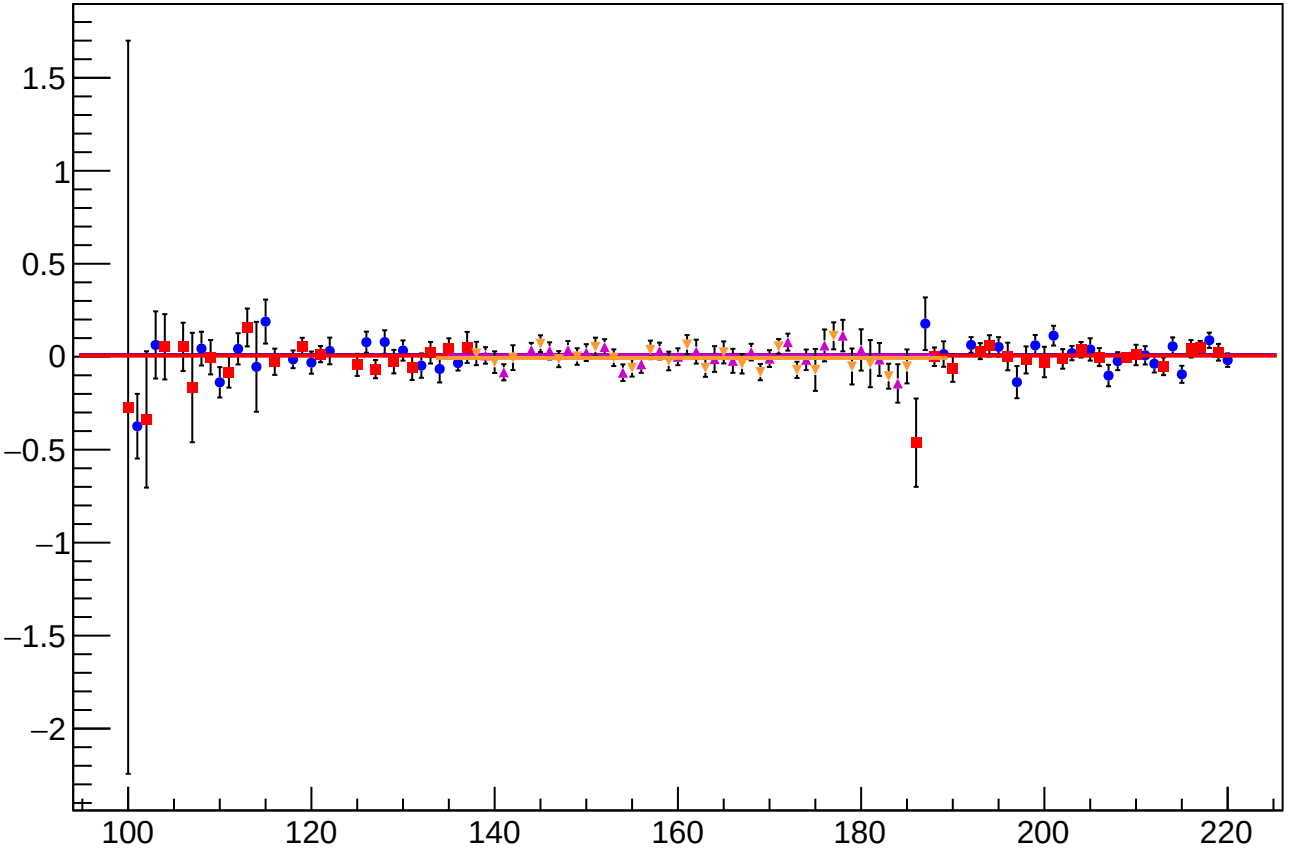
In: 0.000+/-0.000 χ^2/NDF:53.0/55

Out: -0.000+/-0.000 χ^2/NDF:148.9/58

All: 0.000+/-0.000 χ^2/NDF: 211.9/114


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 11830844.5/32
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 16365187.3/34
Left In: 0.004+/-0.000 χ²/NDF:1668896.2/22
Left: 0.004+/-0.000 χ²/NDF: 3876828.2/46
Right: 0.002+/-0.000 χ²/NDF: 28400733.2/67
In: 0.003+/-0.000 χ²/NDF:17435018.3/55
Out: 0.002+/-0.000 χ²/NDF:23632155.9/58
All: 0.002+/-0.000 χ²/NDF: 41266284.1/114

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 44.6/32

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

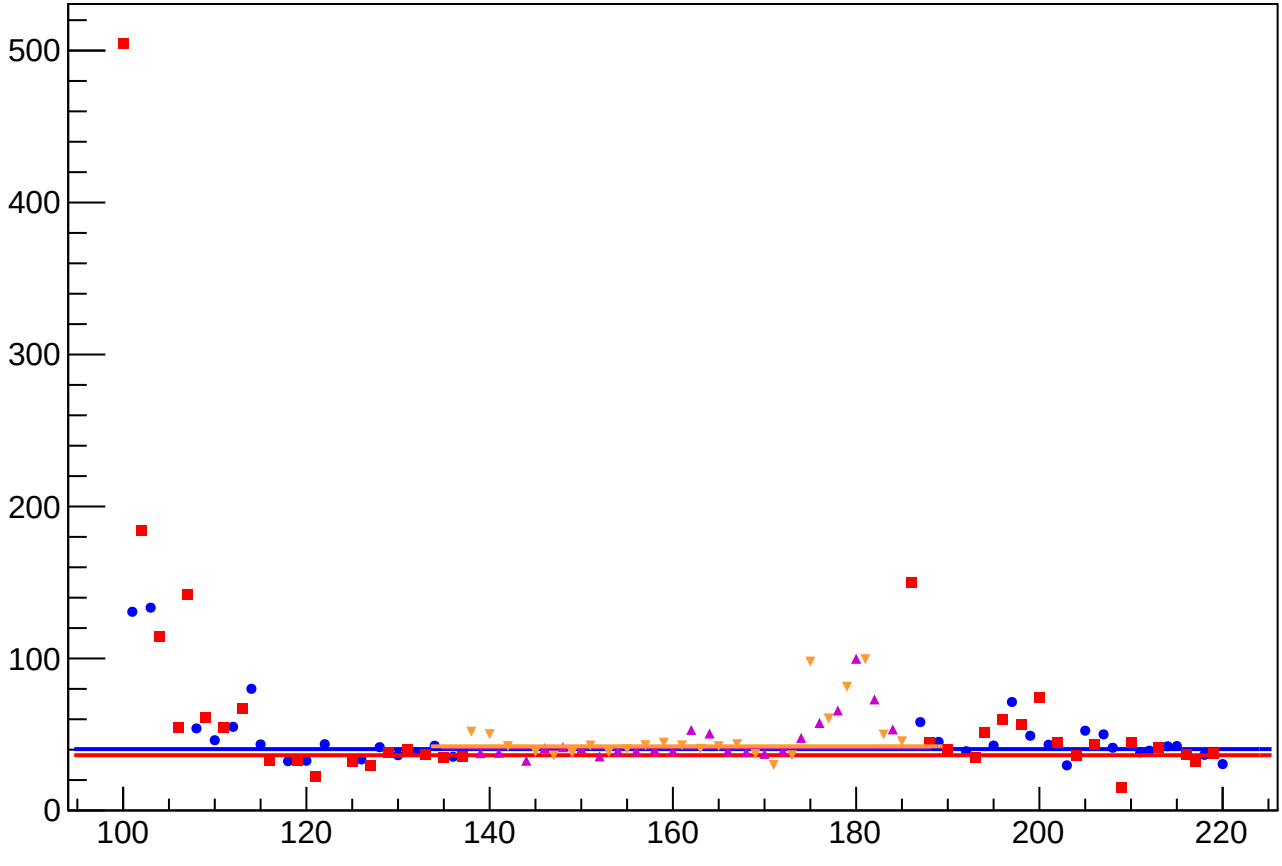
Right: 0.007+/-0.007 χ^2/NDF: 66.2/67

In: 0.008+/-0.007 χ^2/NDF:64.7/55

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.004+/-0.005 χ^2/NDF: 111.4/114

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.365+/-0.007 χ^2/NDF: 2238151.8/32

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

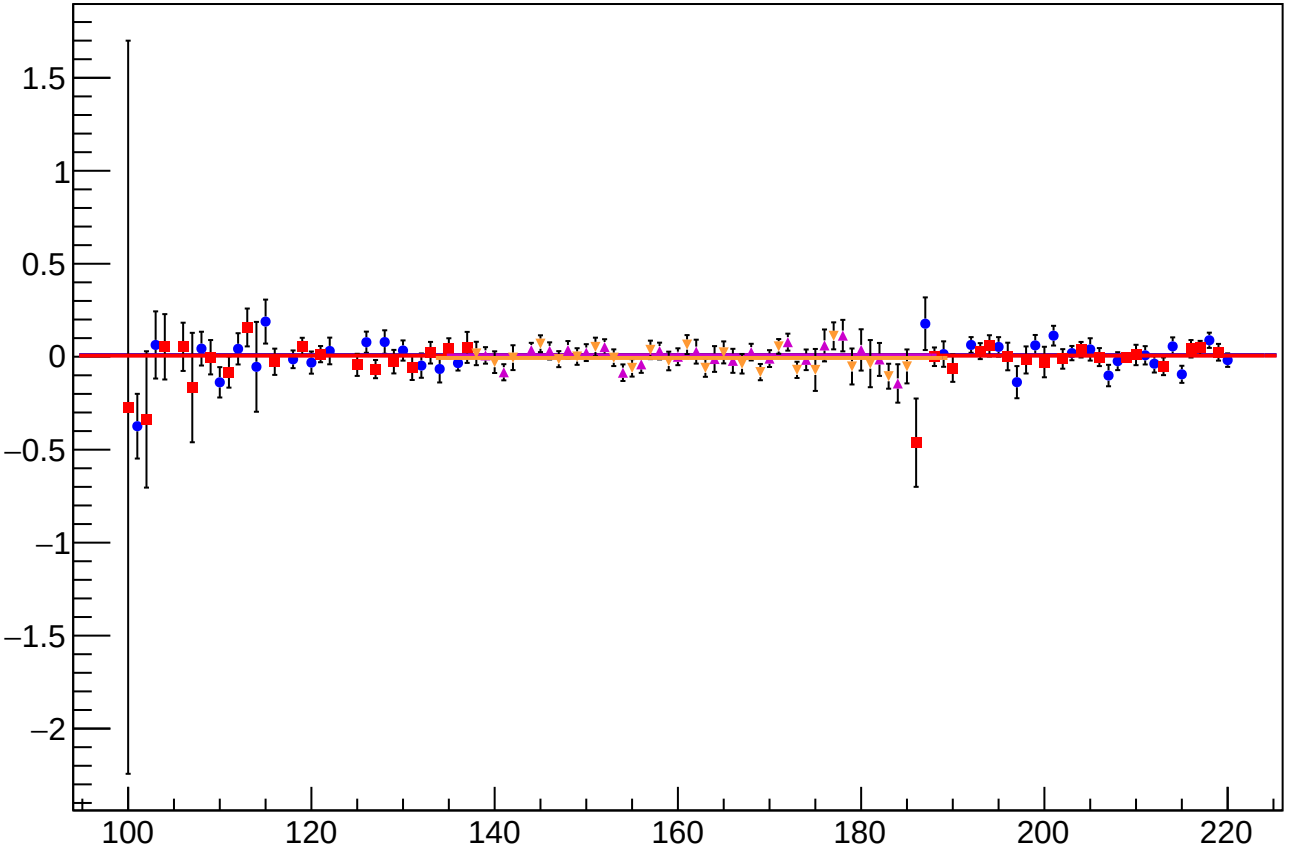
Right: 38.284+/-0.005 χ^2/NDF: 7331582.5/67

In: 40.849+/-0.005 χ^2/NDF:3660718.4/55

Out: 38.886+/-0.005 χ^2/NDF:7068515.1/58

All: 39.856+/-0.004 χ^2/NDF: 10802853.5/114

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 44.6/32

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

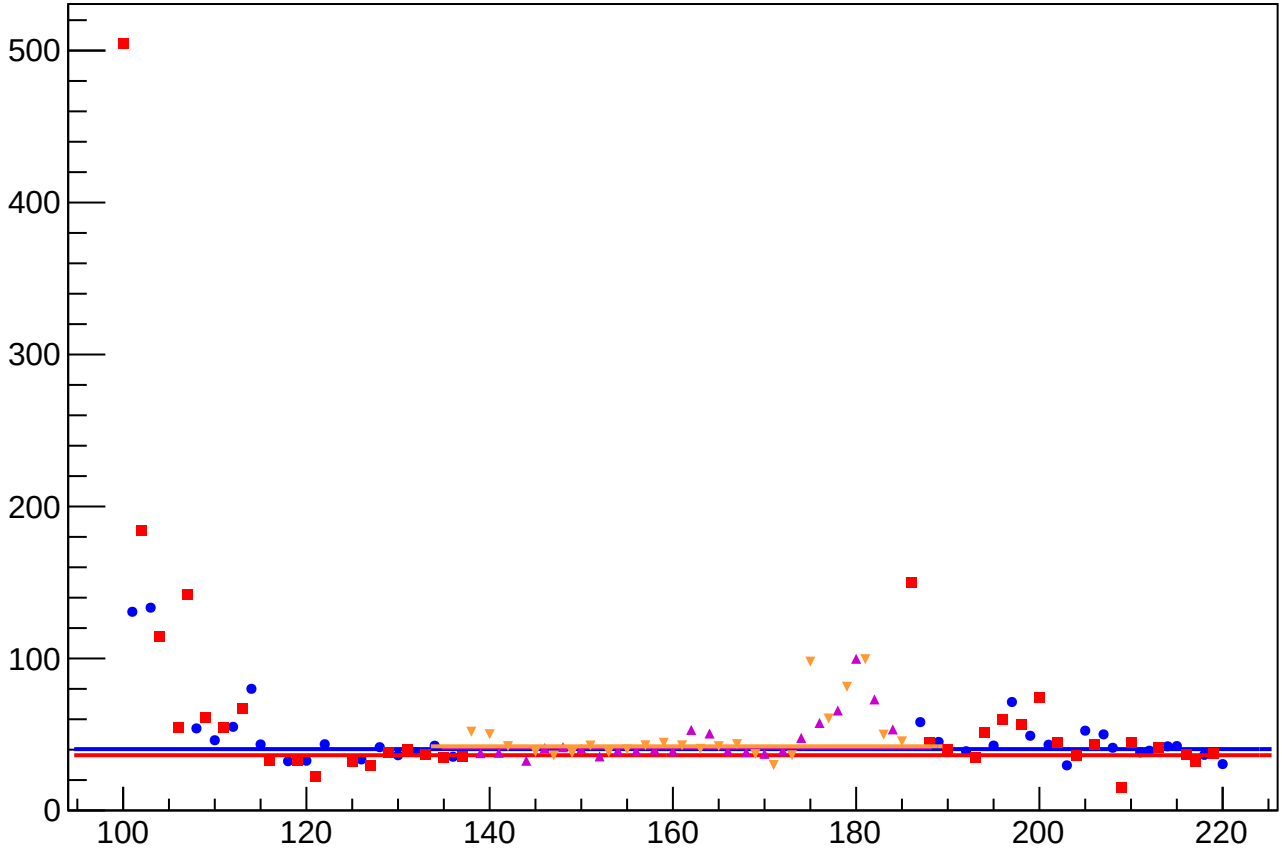
Right: 0.007+/-0.007 χ^2/NDF: 66.2/67

In: 0.008+/-0.007 χ^2/NDF:64.7/55

Out: 0.000+/-0.007 χ^2/NDF:46.2/58

All: 0.004+/-0.005 χ^2/NDF: 111.4/114

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.365+/-0.007 χ^2/NDF: 2238151.8/32

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

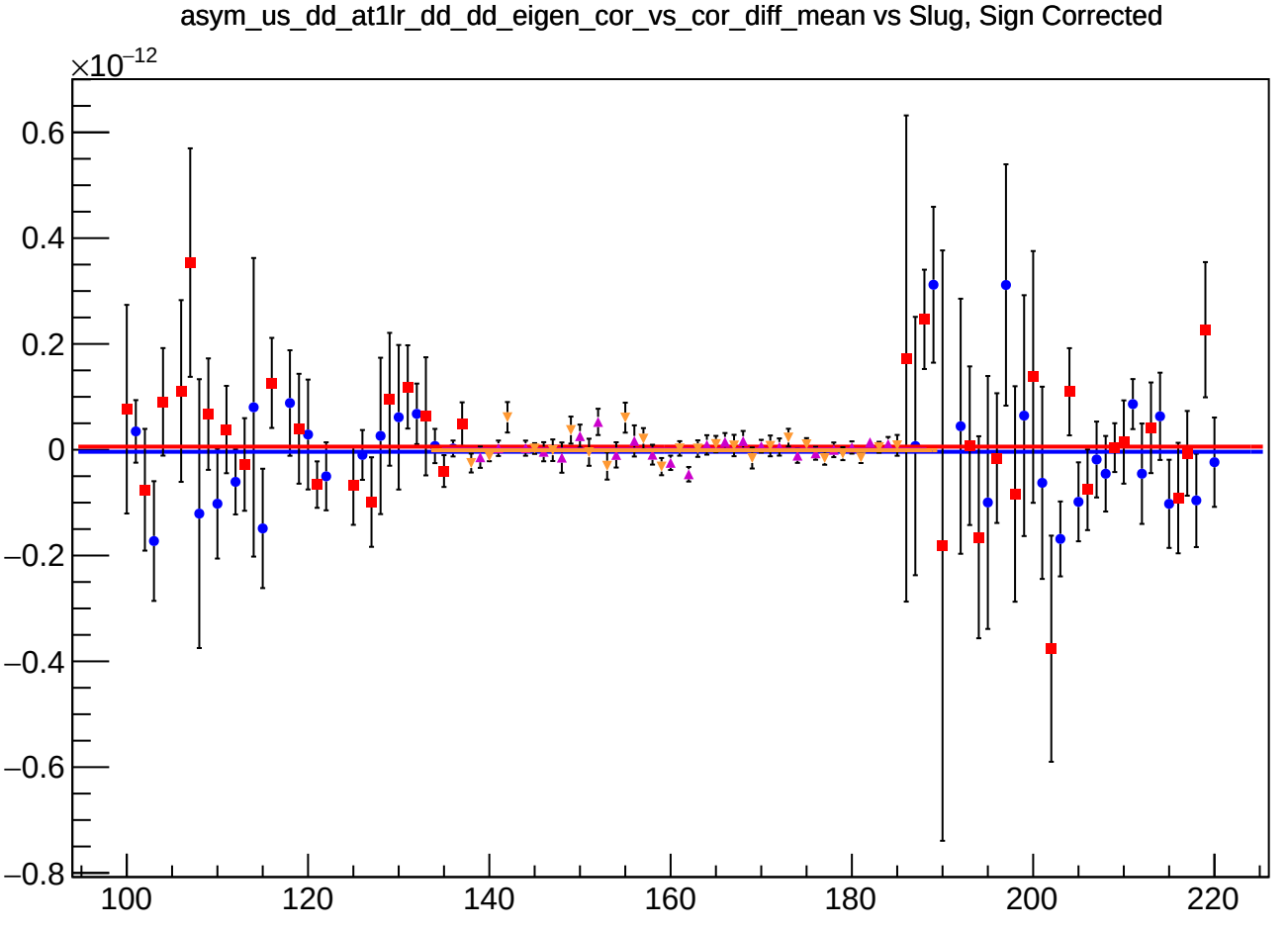
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.284+/-0.005 χ^2/NDF: 7331582.5/67

In: 40.849+/-0.005 χ^2/NDF:3660718.4/55

Out: 38.886+/-0.005 χ^2/NDF:7068515.1/58

All: 39.856+/-0.004 χ^2/NDF: 10802853.5/114



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/34

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

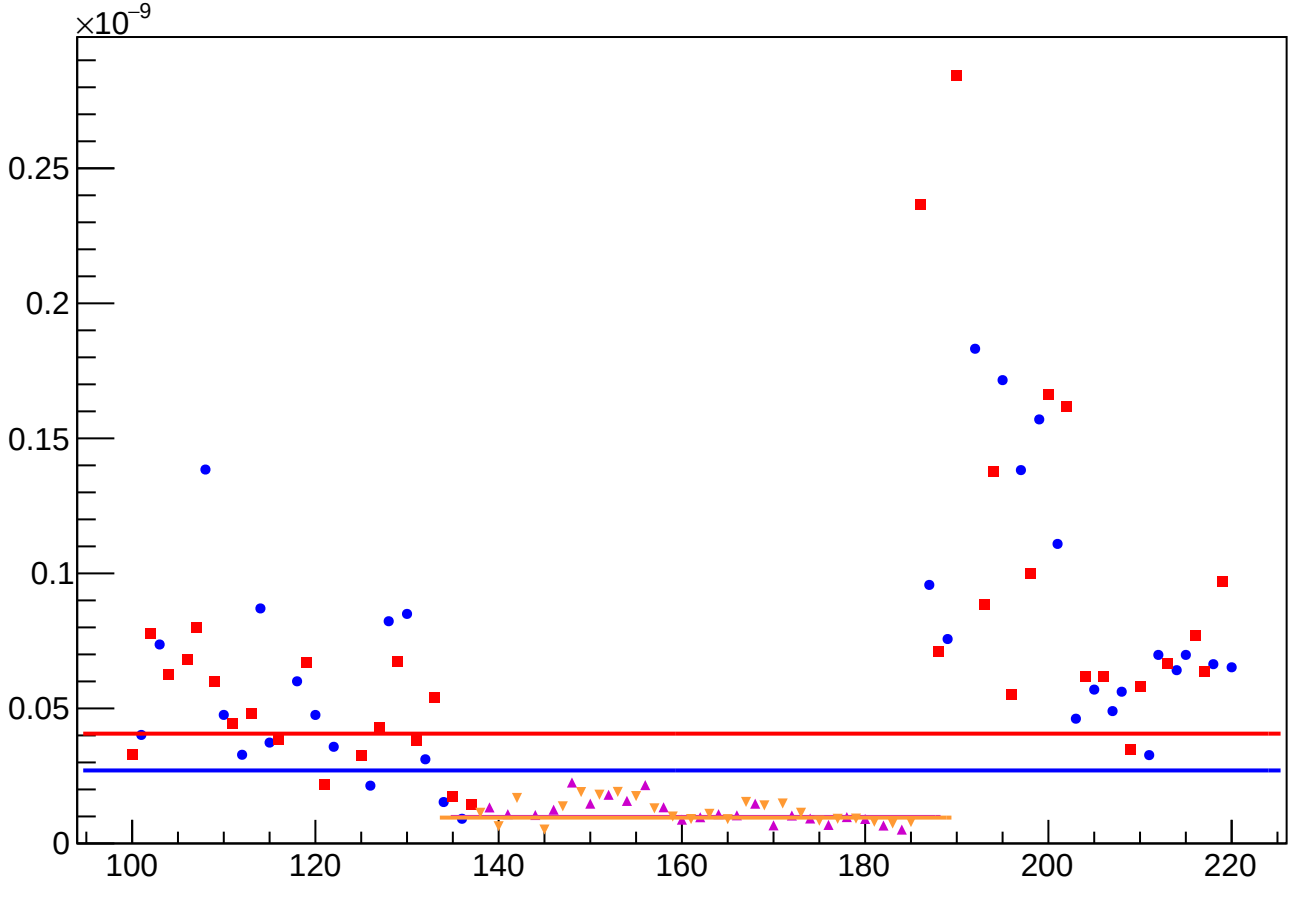
Right: -0.000+/-0.000 χ^2/NDF: 68.2/67

In: 0.000+/-0.000 χ^2/NDF:59.8/55

Out: -0.000+/-0.000 χ^2/NDF:66.4/58

All: -0.000+/-0.000 χ^2/NDF: 126.2/114

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11791298.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7637434.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

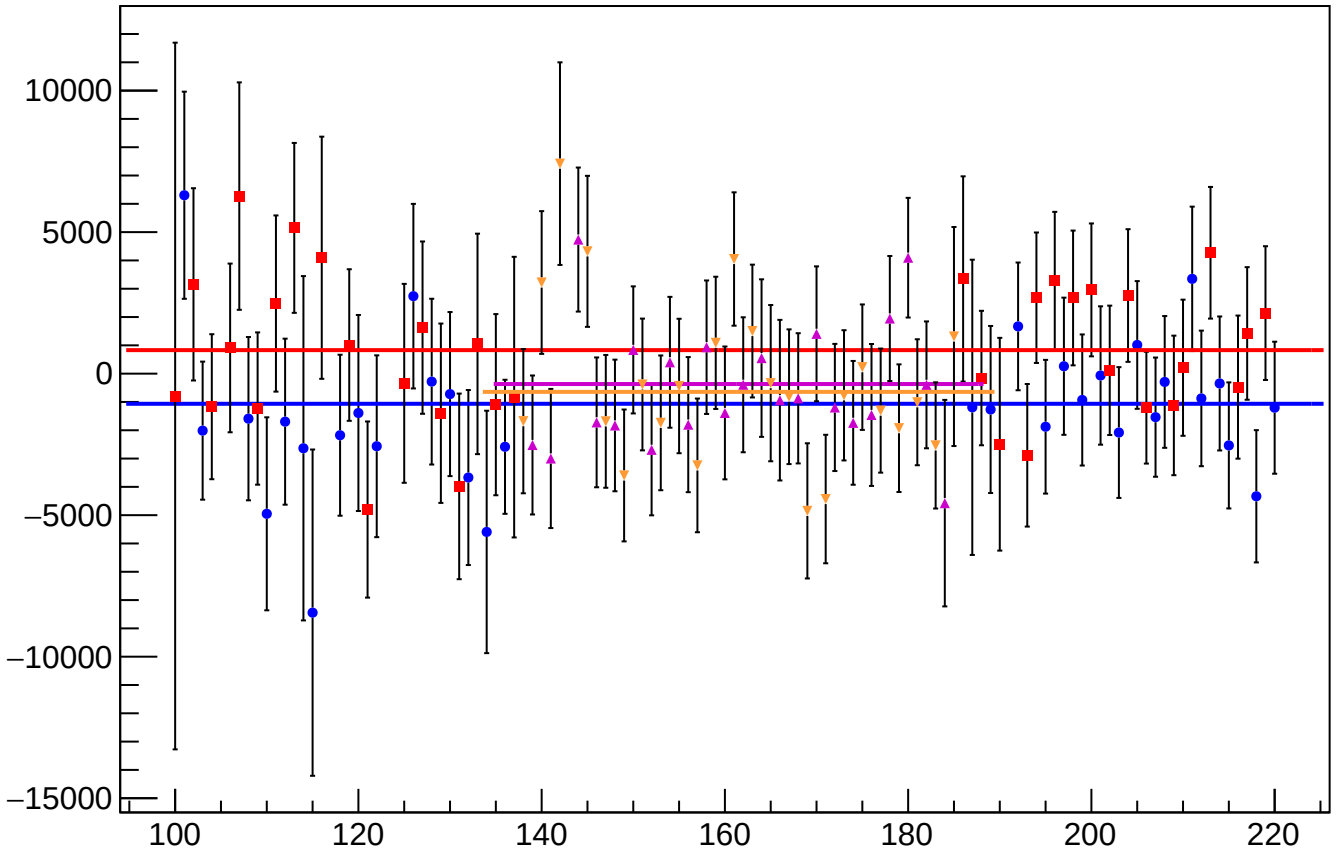
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 20710514.5/67

In: 0.000+/-0.000 χ^2/NDF:19196335.4/55

Out: 0.000+/-0.000 χ^2/NDF:20026619.1/58

All: 0.000+/-0.000 χ^2/NDF: 39229848.8/114



Right In: -1064.848+/-470.673 χ^2/NDF: 20.1/32

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 831.091+/-470.288 χ^2/NDF: 25.1/34

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

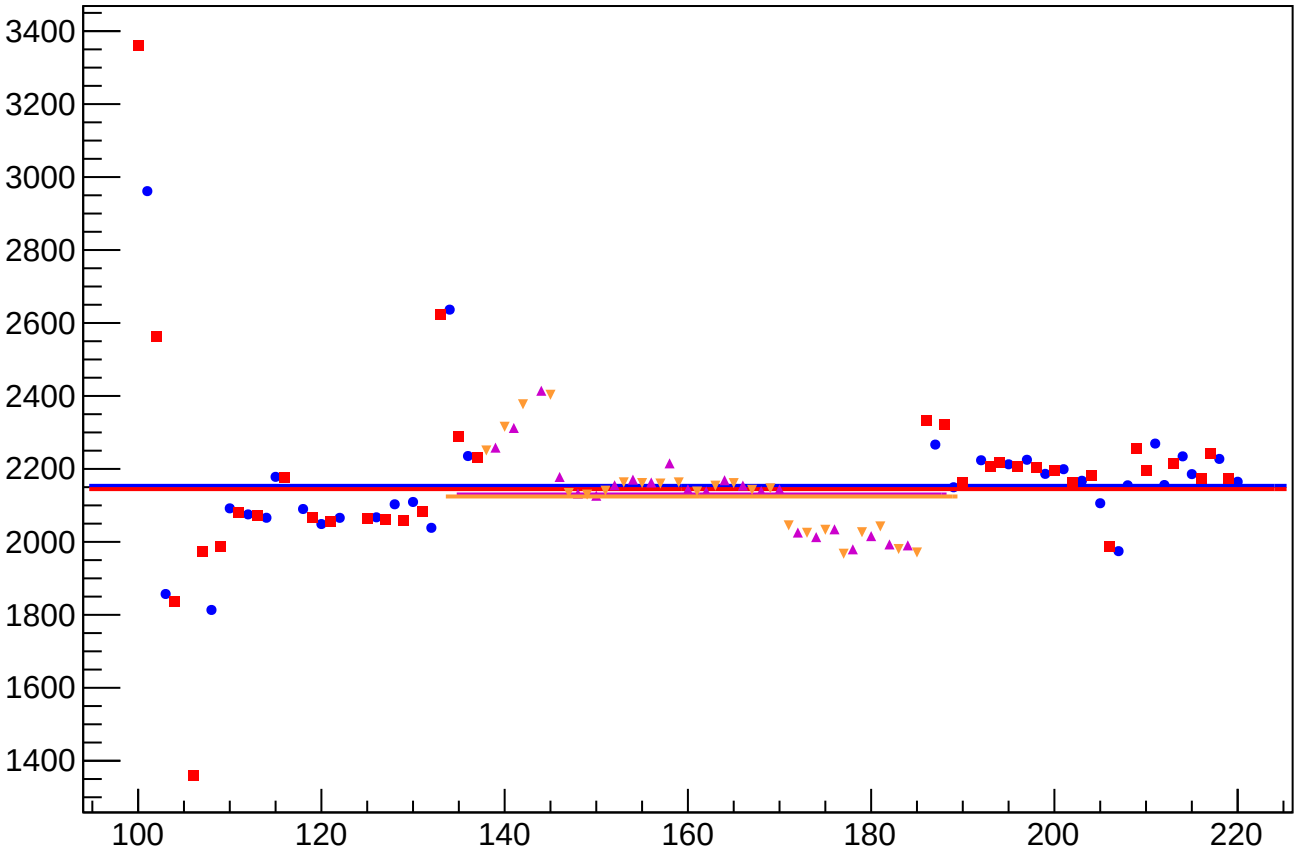
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -116.103+/-332.680 χ^2/NDF: 53.3/67

In: -735.409+/-342.035 χ^2/NDF:38.4/55

Out: 129.412+/-340.514 χ^2/NDF:56.9/58

All: -301.071+/-241.316 χ^2/NDF: 98.5/114



Right In: 2153.589+/-0.333 χ^2/NDF: 226039.6/32

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2144.648+/-0.333 χ^2/NDF: 319653.9/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

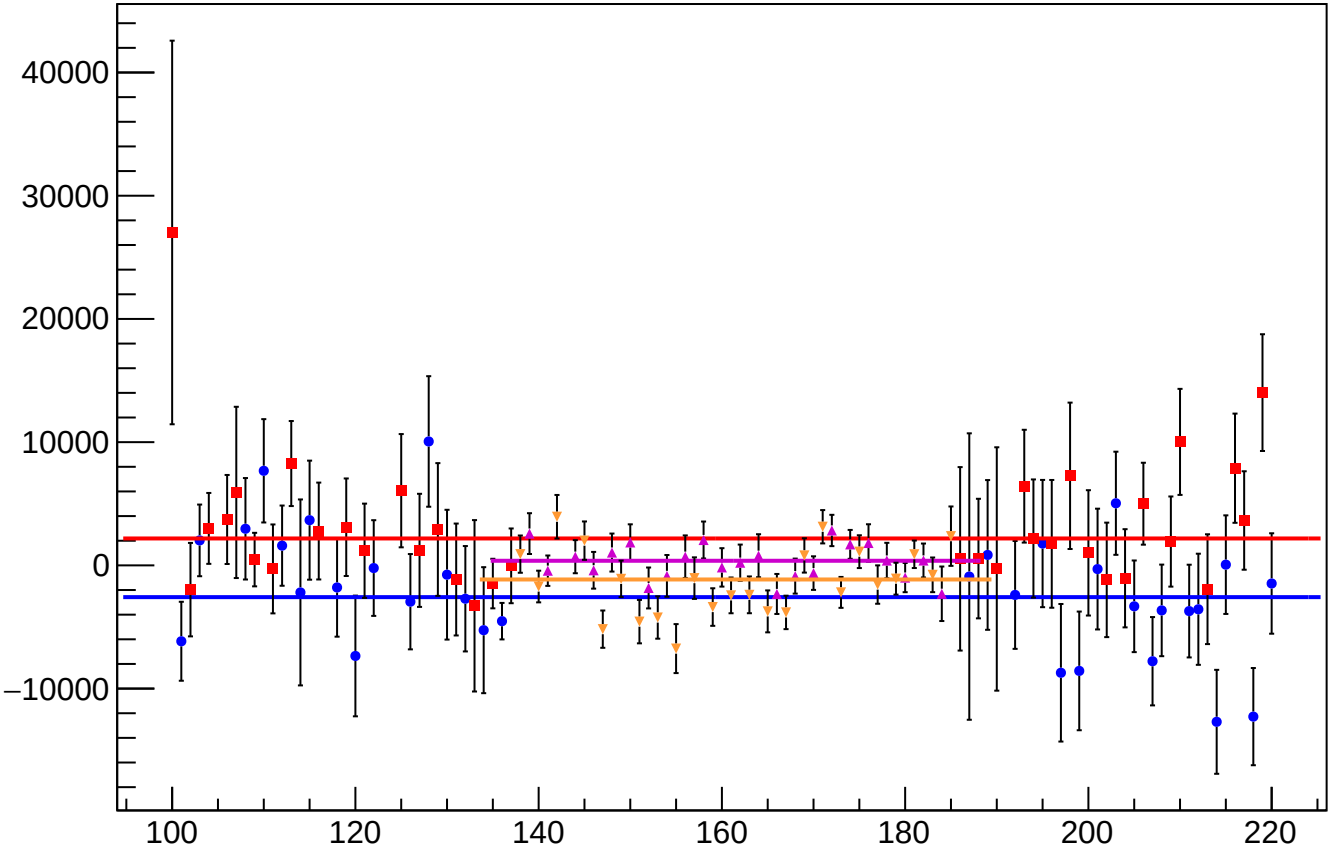
Right: 2149.115+/-0.235 χ^2/NDF: 546054.6/67

In: 2142.408+/-0.242 χ^2/NDF:313785.5/55

Out: 2135.032+/-0.241 χ^2/NDF:410595.2/58

All: 2138.704+/-0.171 χ^2/NDF: 724847.8/114

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2577.666+/-669.923 χ^2/NDF: 46.1/32

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 2183.425+/-671.296 χ^2/NDF: 30.4/34

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

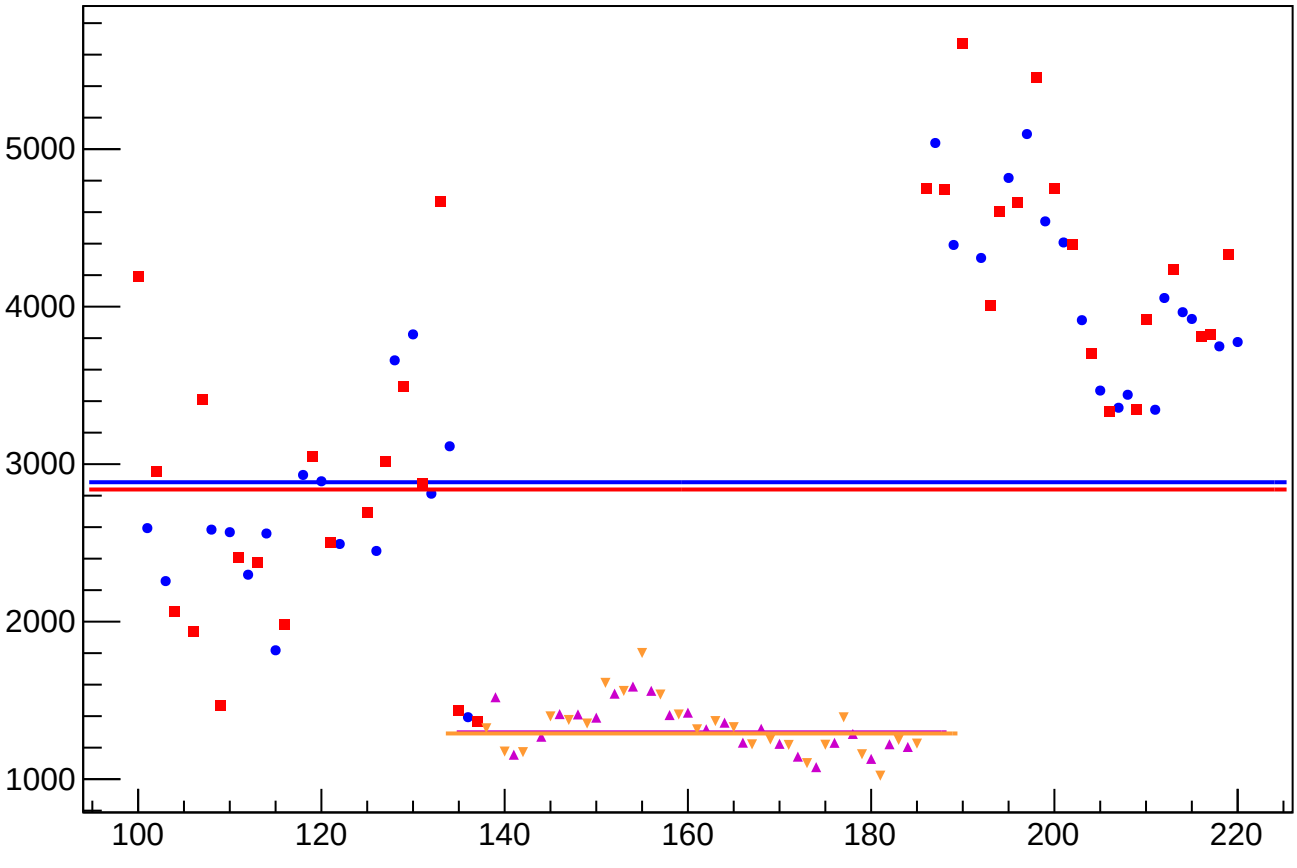
Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

Right: -201.995+/-474.192 χ^2/NDF: 101.7/67

In: -134.387+/-277.870 χ^2/NDF:82.4/55

Out: -583.094+/-275.783 χ^2/NDF:118.3/58

All: -360.432+/-195.742 χ^2/NDF: 202.1/114



Right In: 2885.234+/-0.474 χ^2/NDF: 4781657.0/32

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2839.054+/-0.475 χ^2/NDF: 5952313.2/34

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

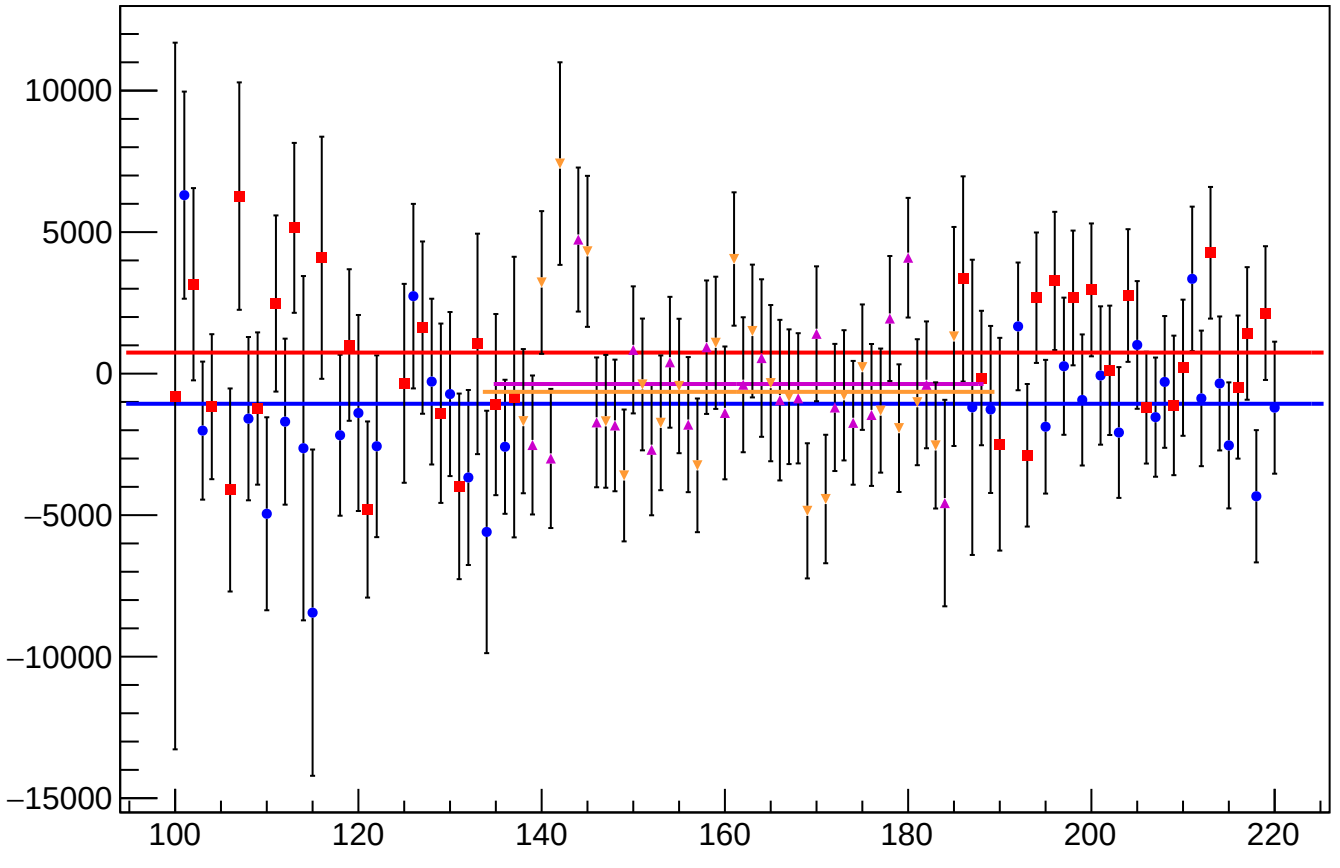
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2862.191+/-0.335 χ^2/NDF: 10738712.4/67

In: 1570.619+/-0.196 χ^2/NDF:14517491.0/55

Out: 1551.465+/-0.195 χ^2/NDF:15372168.9/58

All: 1560.970+/-0.138 χ^2/NDF: 29894447.0/



Right In: -1064.865+/-470.673 χ^2/NDF: 20.1/32

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 743.633+/-472.114 χ^2/NDF: 26.9/34

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

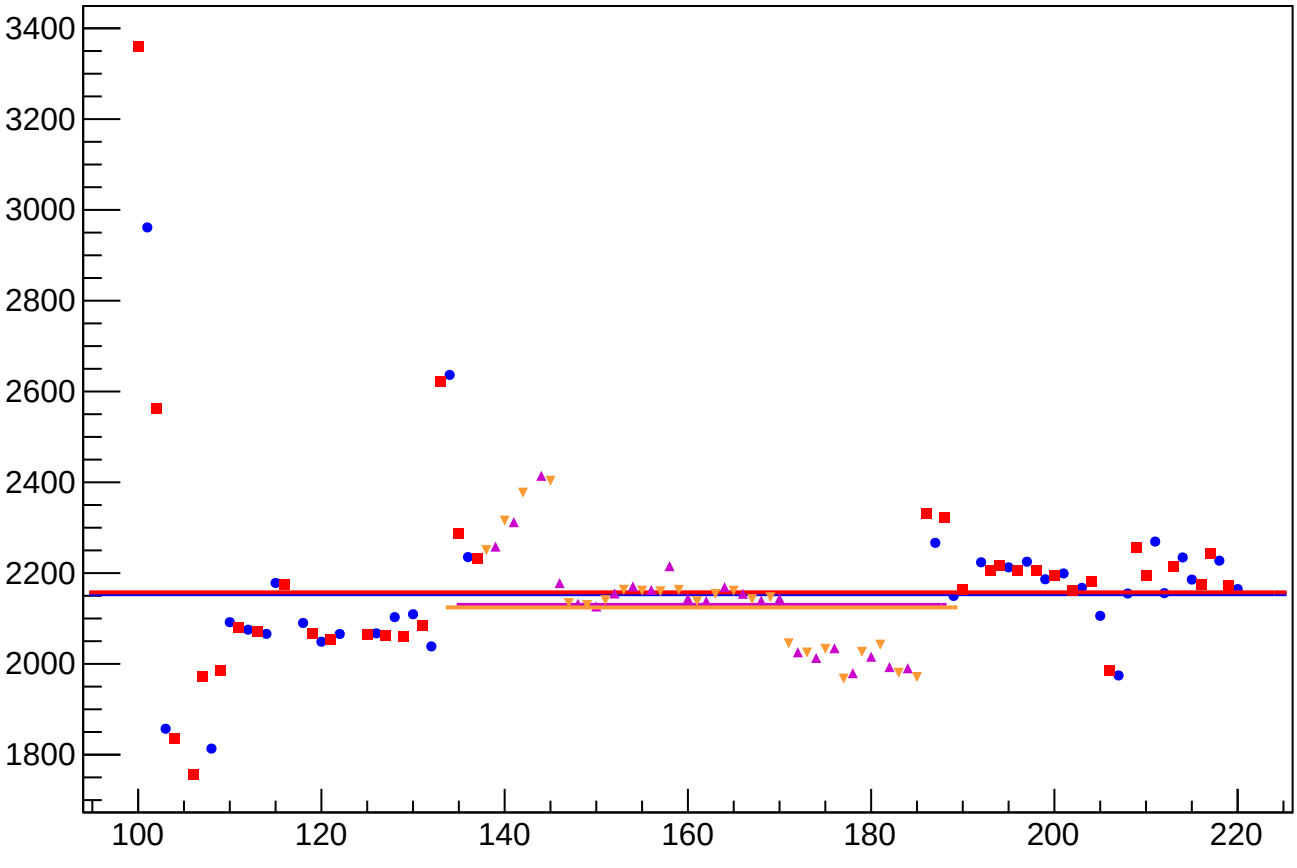
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -163.380+/-333.324 χ^2/NDF: 54.4/67

In: -735.366+/-342.035 χ^2/NDF:38.5/55

Out: 80.945+/-341.205 χ^2/NDF:58.2/58

All: -326.218+/-241.561 χ^2/NDF: 99.5/114



Right In: 2153.589+/-0.333 χ^2/NDF: 226039.9/32

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

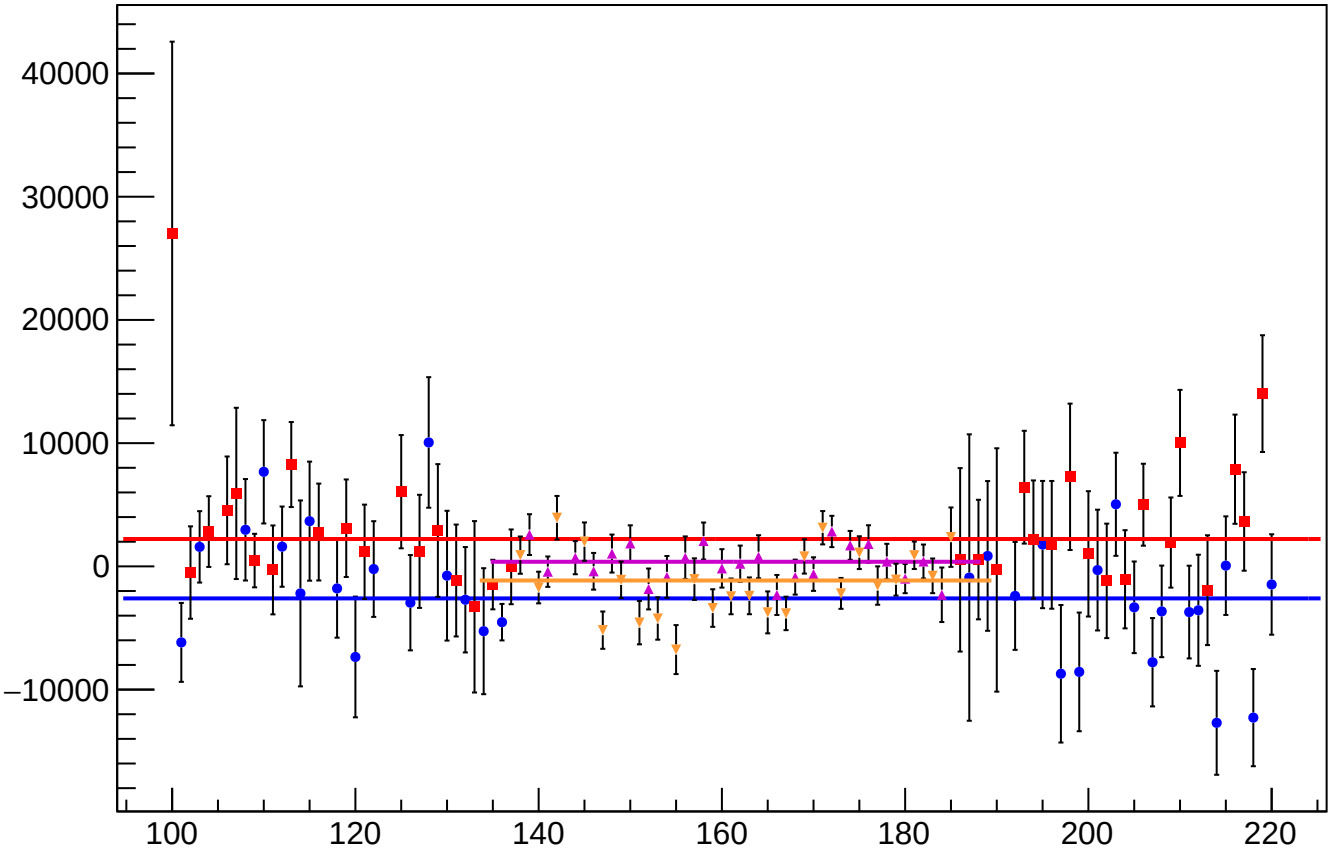
Right: 2155.584+/-0.236 χ^2/NDF: 429375.2/67

In: 2142.408+/-0.242 χ^2/NDF:313785.8/55

Out: 2141.754+/-0.241 χ^2/NDF:297158.4/58

All: 2142.080+/-0.171 χ^2/NDF: 610948.0/114

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2600.270+/-669.787 χ^2/NDF: 45.6/32

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

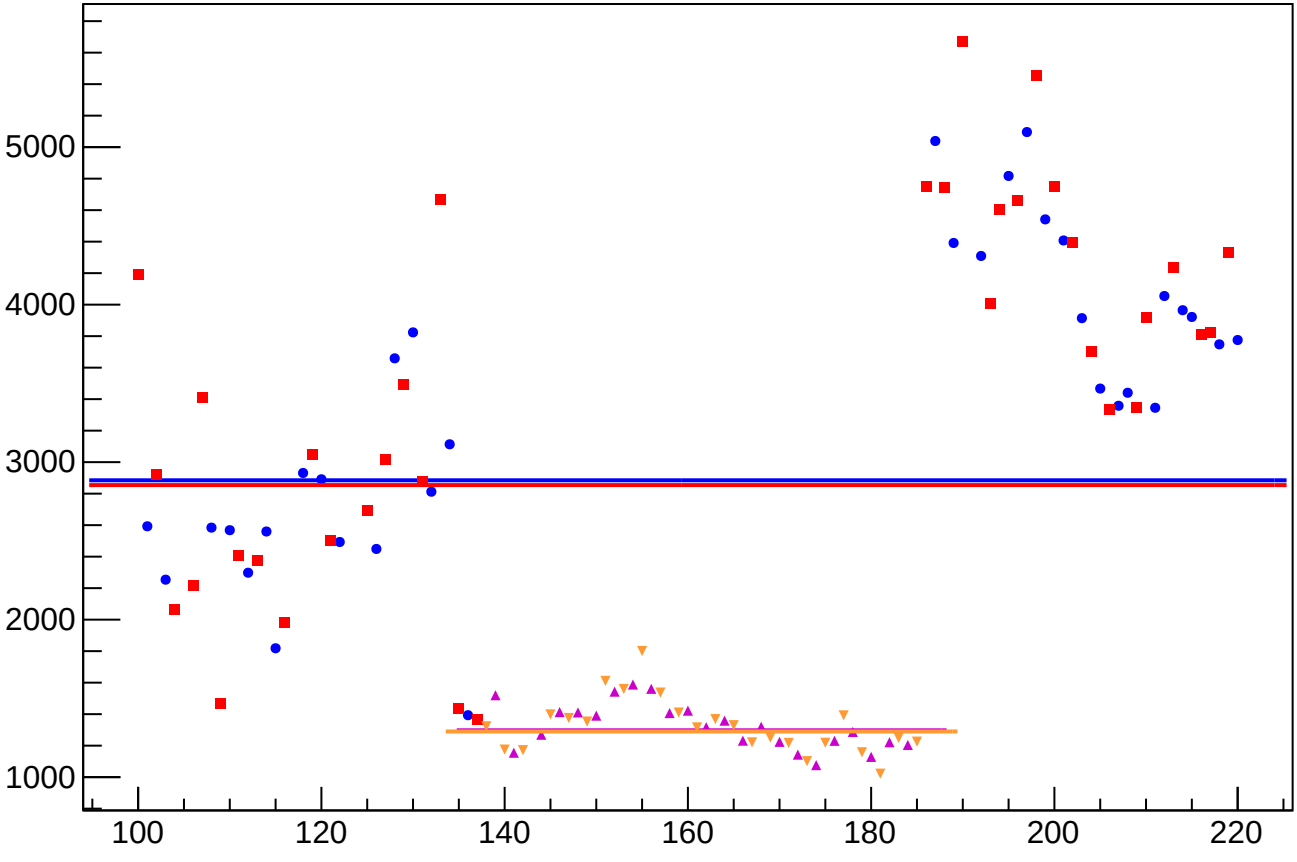
Right: -207.176+/-475.329 χ^2/NDF: 101.1/67

In: -138.546+/-277.861 χ^2/NDF:82.3/55

Out: -581.444+/-276.017 χ^2/NDF:118.0/58

All: -361.469+/-195.822 χ^2/NDF: 201.6/114

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2884.756+/-0.474 χ^2/NDF: 4783485.7/32

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

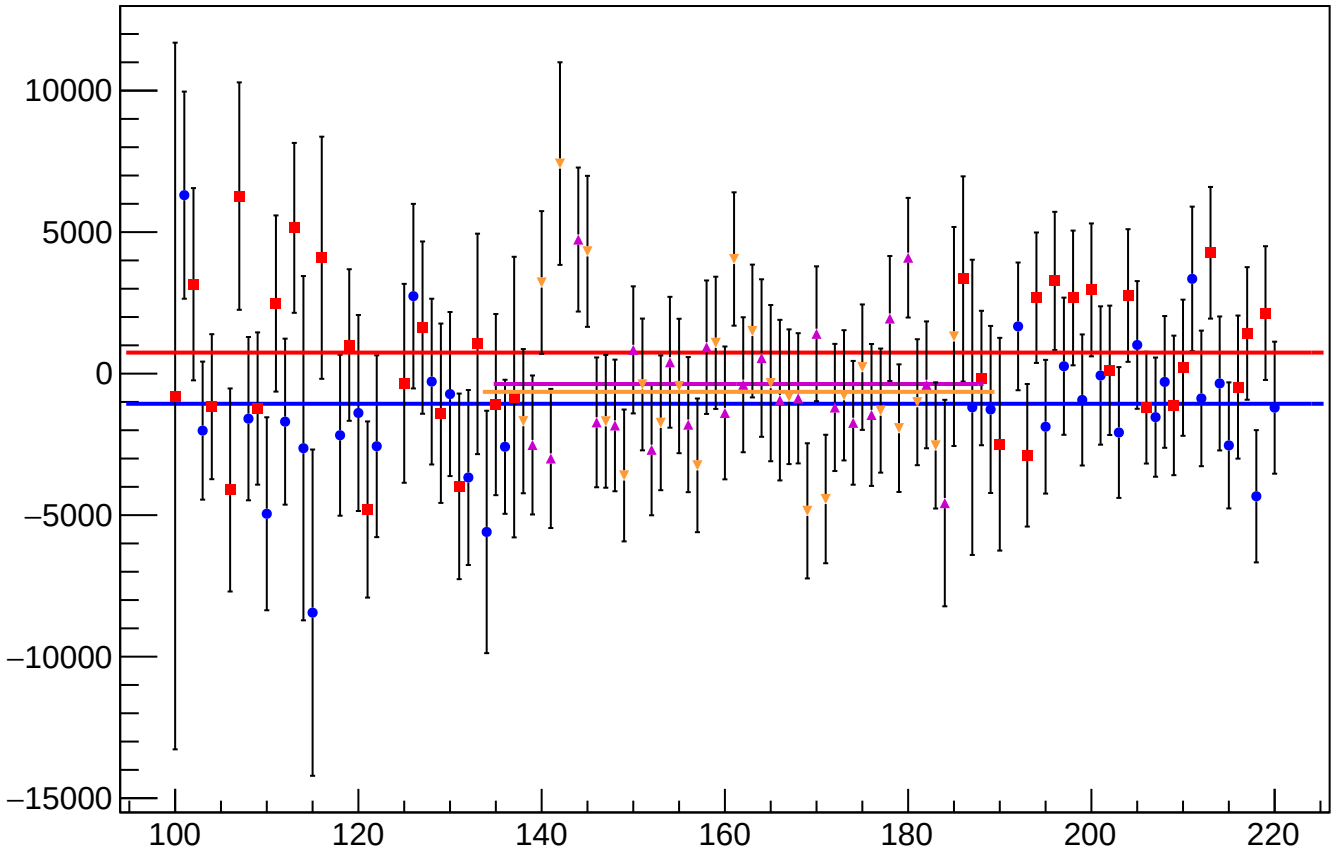
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2869.675+/-0.336 χ^2/NDF: 10654213.3/67

In: 1570.632+/-0.196 χ^2/NDF:14516815.9/55

Out: 1551.869+/-0.195 χ^2/NDF:15389249.0/58

All: 1561.188+/-0.138 χ^2/NDF: 29910655.0/1



Right In: -1064.865+/-470.673 χ^2/NDF: 20.1/32

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 743.633+/-472.114 χ^2/NDF: 26.9/34

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

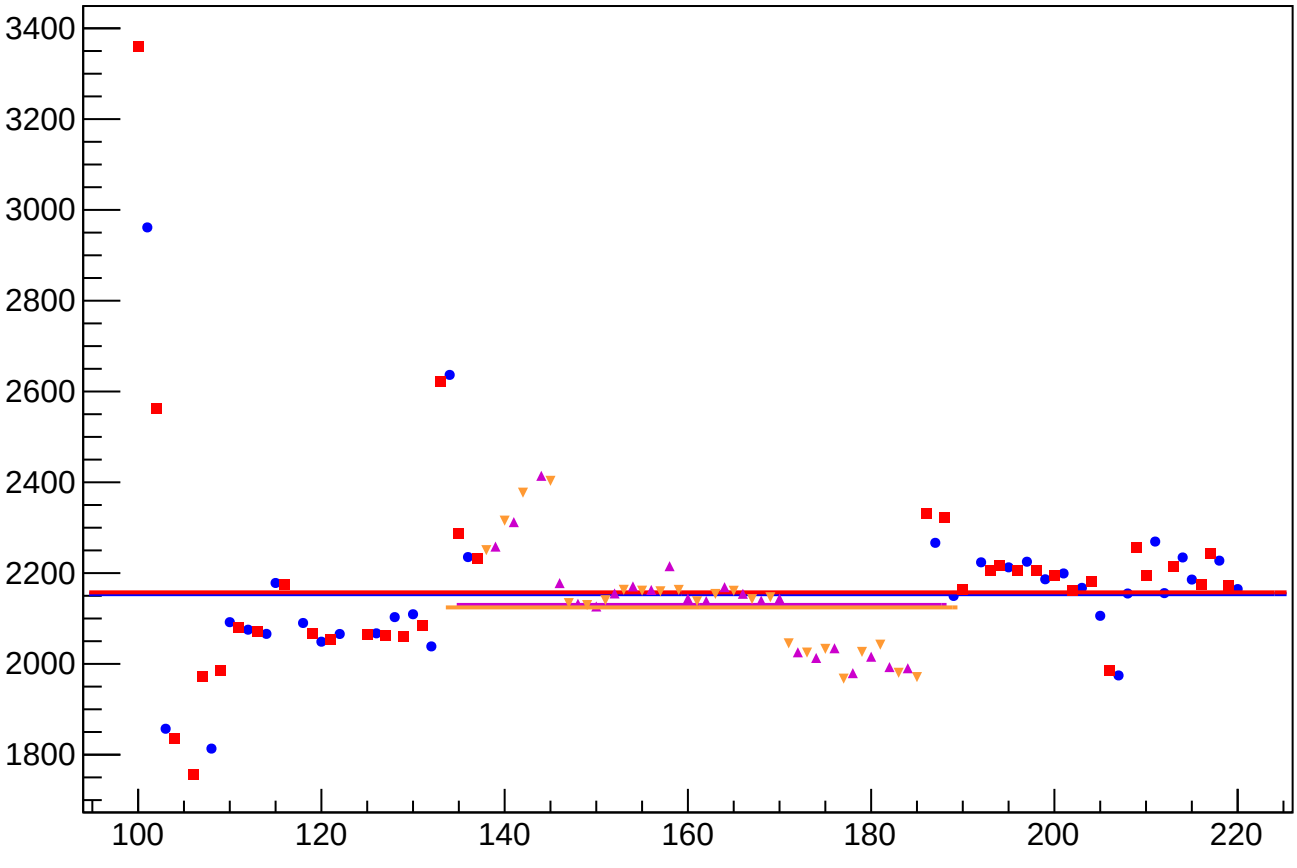
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -163.380+/-333.324 χ^2/NDF: 54.4/67

In: -735.366+/-342.035 χ^2/NDF:38.5/55

Out: 80.945+/-341.205 χ^2/NDF:58.2/58

All: -326.218+/-241.561 χ^2/NDF: 99.5/114



Right In: 2153.589+/-0.333 χ^2/NDF: 226039.9/32

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

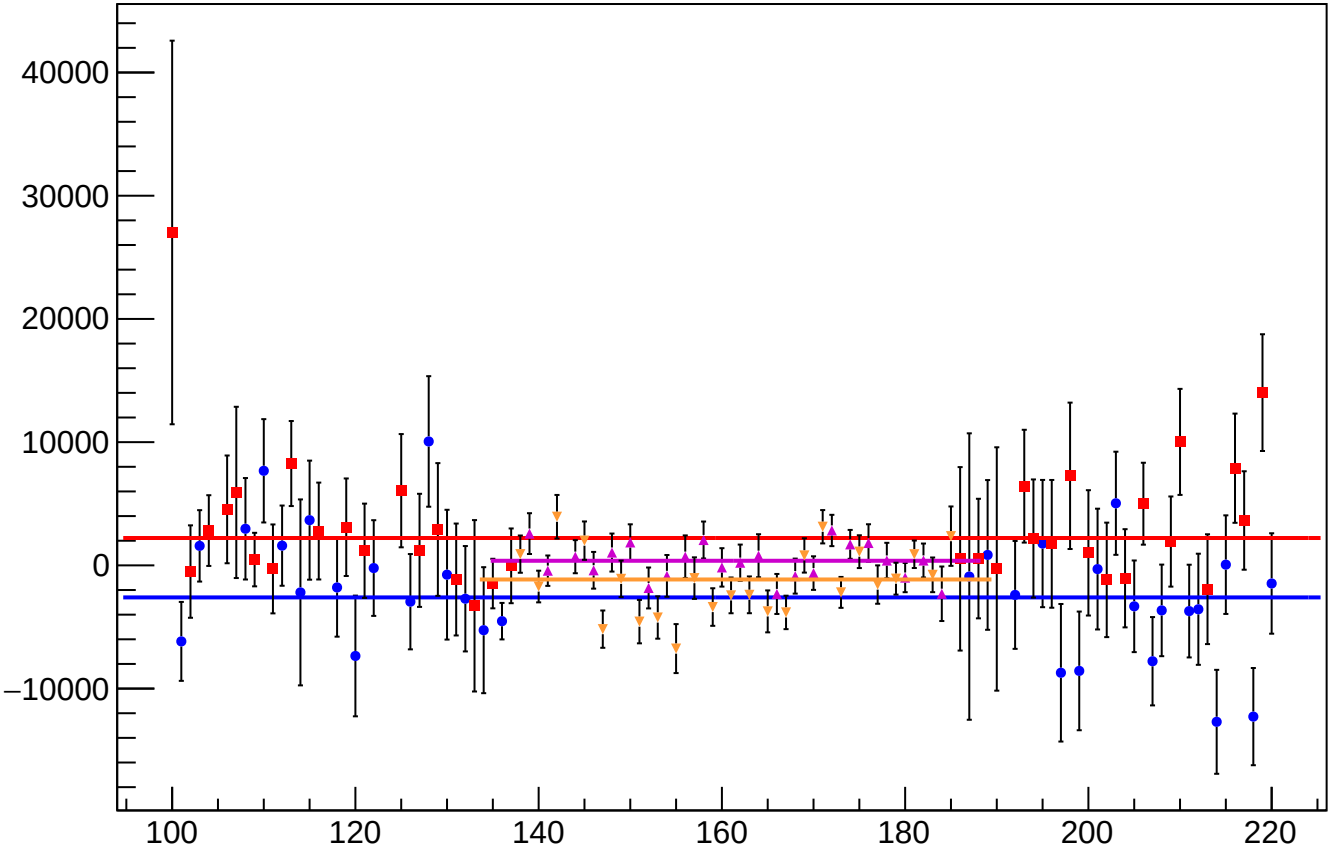
Right: 2155.584+/-0.236 χ^2/NDF: 429375.2/67

In: 2142.408+/-0.242 χ^2/NDF:313785.8/55

Out: 2141.754+/-0.241 χ^2/NDF:297158.4/58

All: 2142.080+/-0.171 χ^2/NDF: 610948.0/114

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2600.270+/-669.787 χ^2/NDF: 45.6/32

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

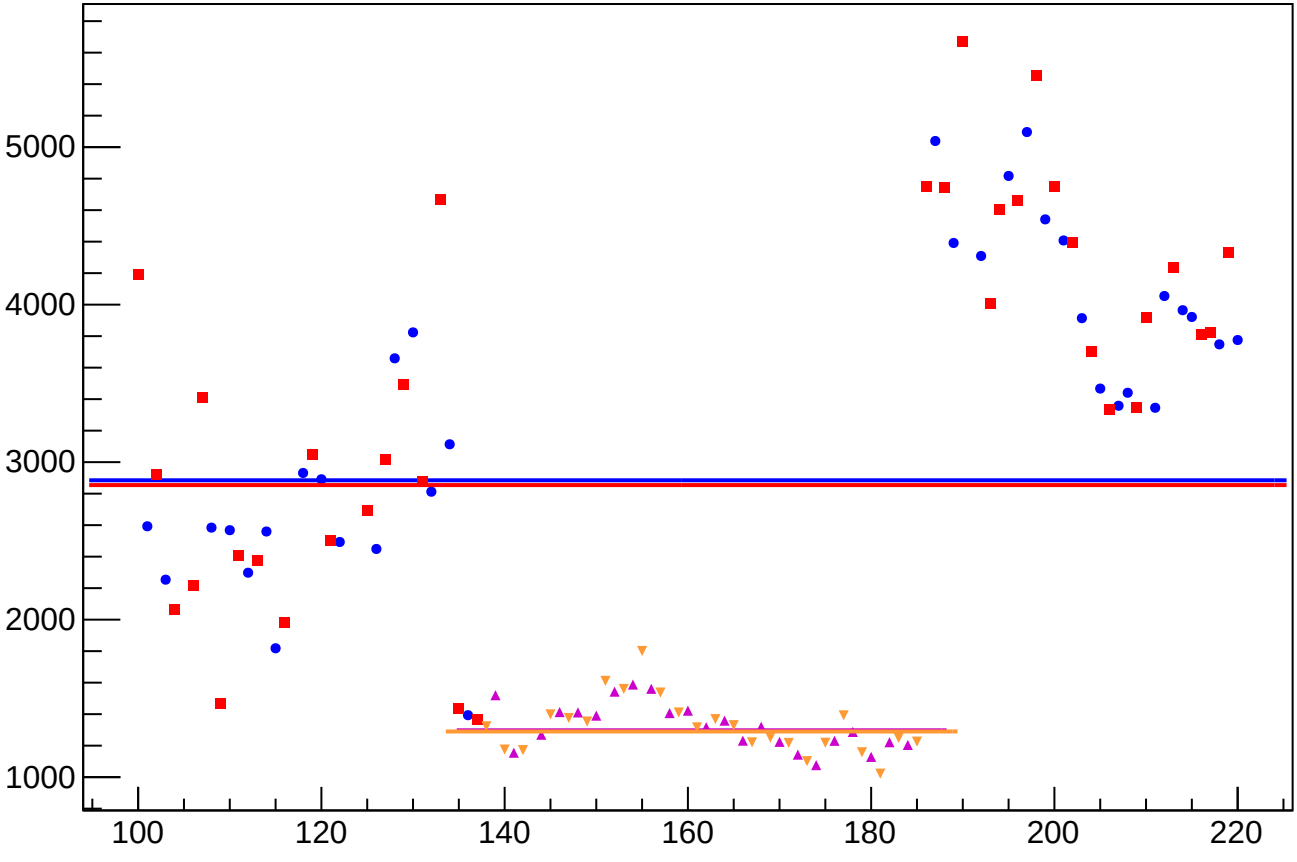
Right: -207.176+/-475.329 χ^2/NDF: 101.1/67

In: -138.546+/-277.861 χ^2/NDF:82.3/55

Out: -581.444+/-276.017 χ^2/NDF:118.0/58

All: -361.469+/-195.822 χ^2/NDF: 201.6/114

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2884.756+/-0.474 χ^2/NDF: 4783485.7/32

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

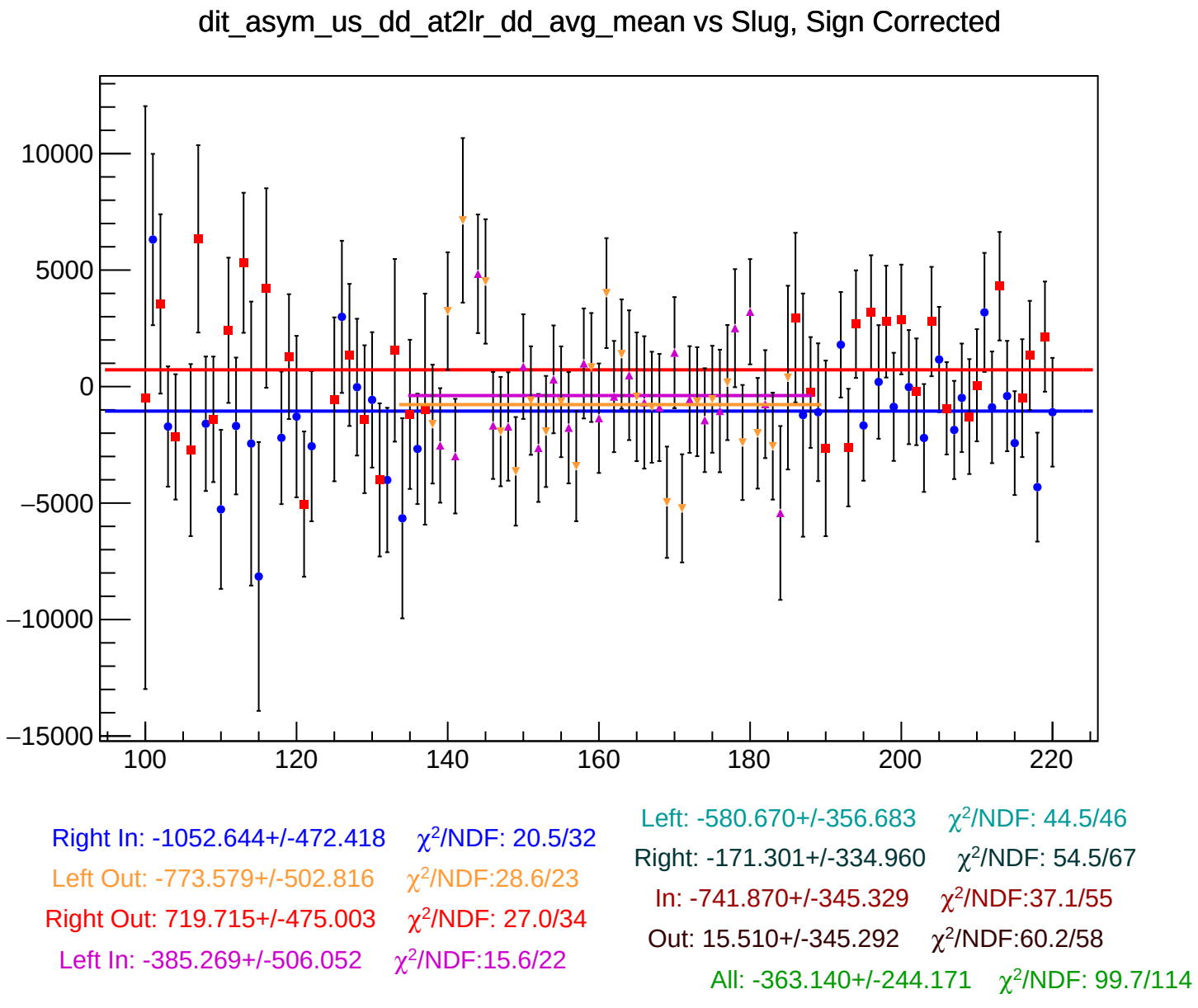
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2869.675+/-0.336 χ^2/NDF: 10654213.3/67

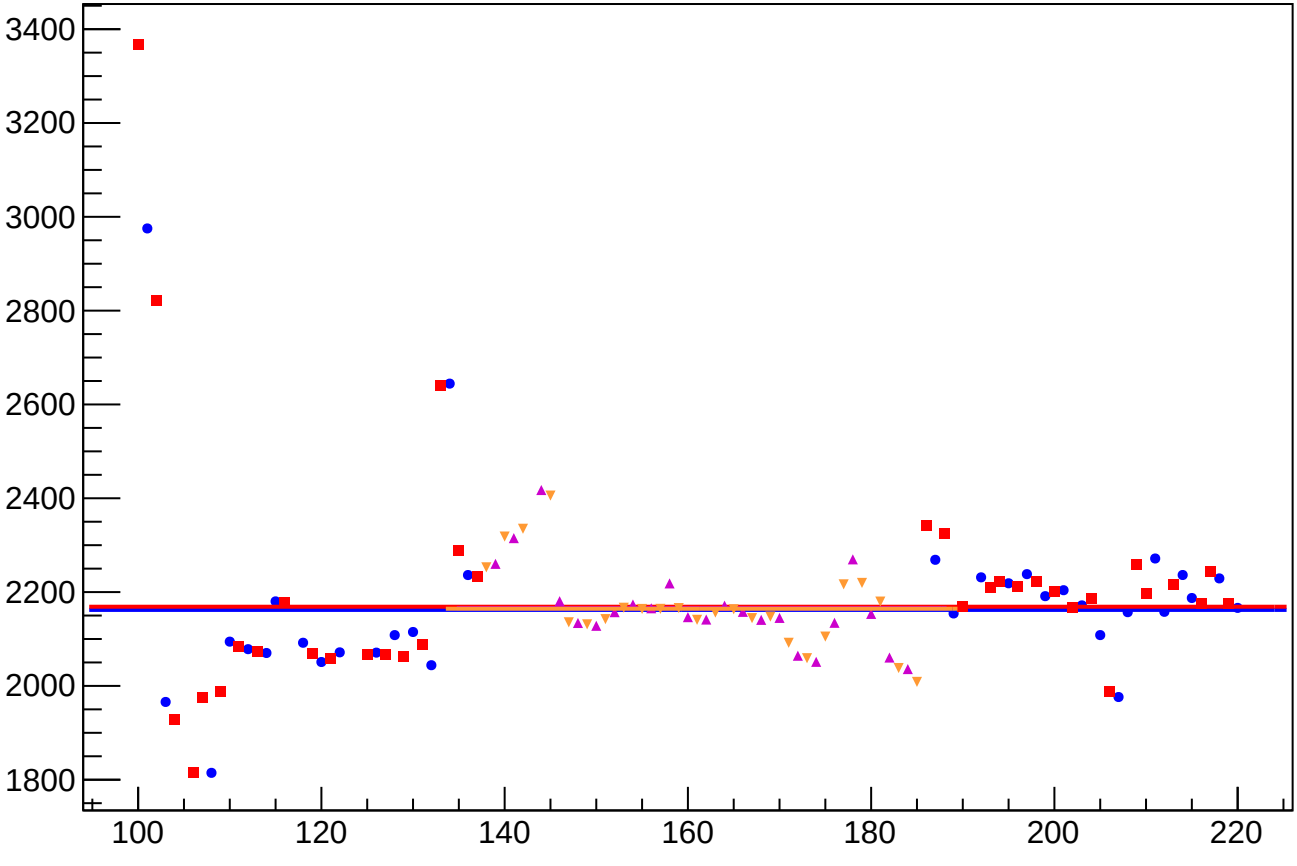
In: 1570.632+/-0.196 χ^2/NDF:14516815.9/55

Out: 1551.869+/-0.195 χ^2/NDF:15389249.0/58

All: 1561.188+/-0.138 χ^2/NDF: 29910655.0/1


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1052.644+/-472.418 χ²/NDF: 20.5/32
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 719.715+/-475.003 χ²/NDF: 27.0/34
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -171.301+/-334.960 χ²/NDF: 54.5/67
In: -741.870+/-345.329 χ²/NDF:37.1/55
Out: 15.510+/-345.292 χ²/NDF:60.2/58
All: -363.140+/-244.171 χ²/NDF: 99.7/114

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2161.990+/-0.334 χ^2/NDF: 209929.4/32

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2168.806+/-0.336 χ^2/NDF: 211205.9/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

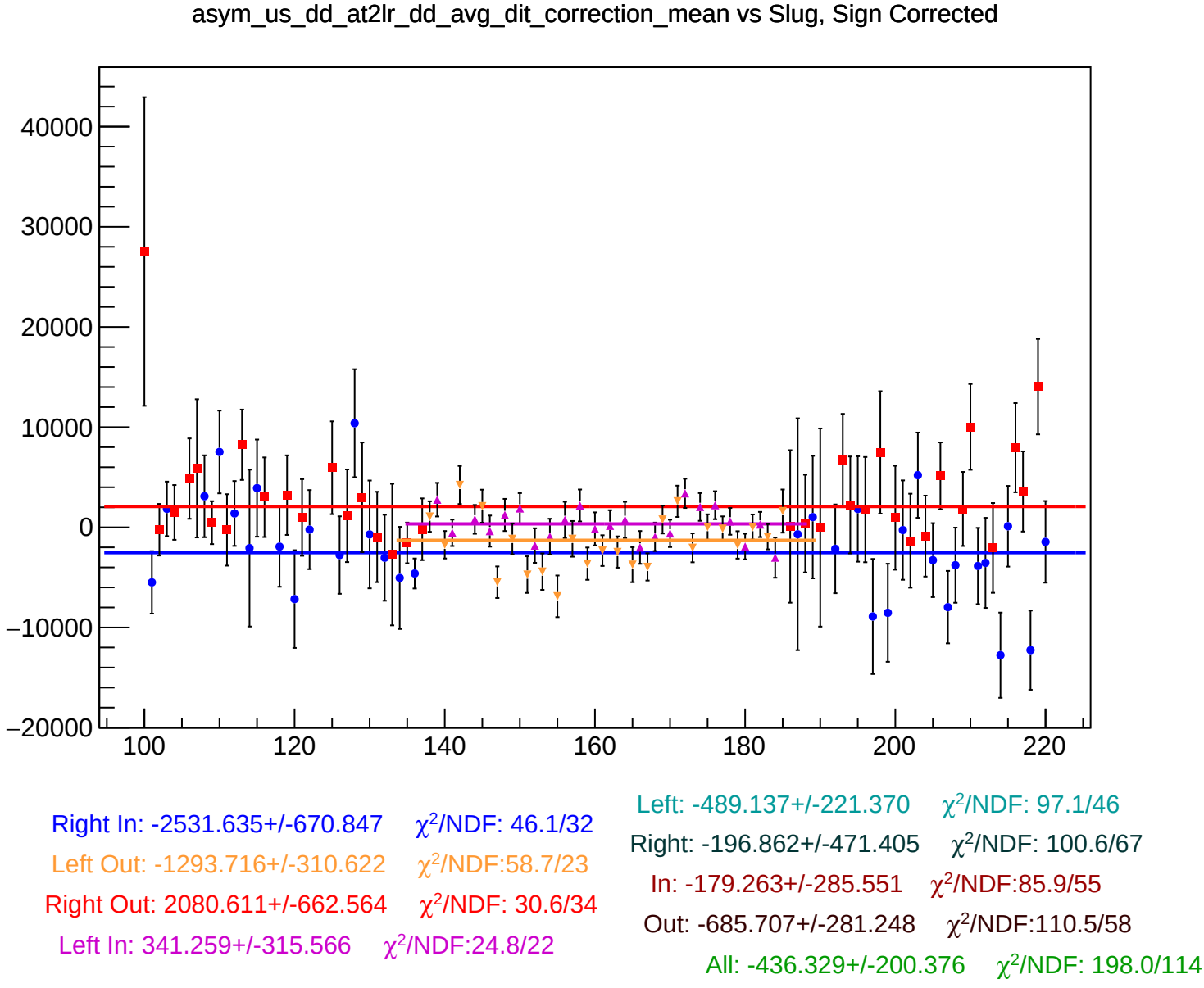
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2165.380+/-0.237 χ^2/NDF: 421342.4/67

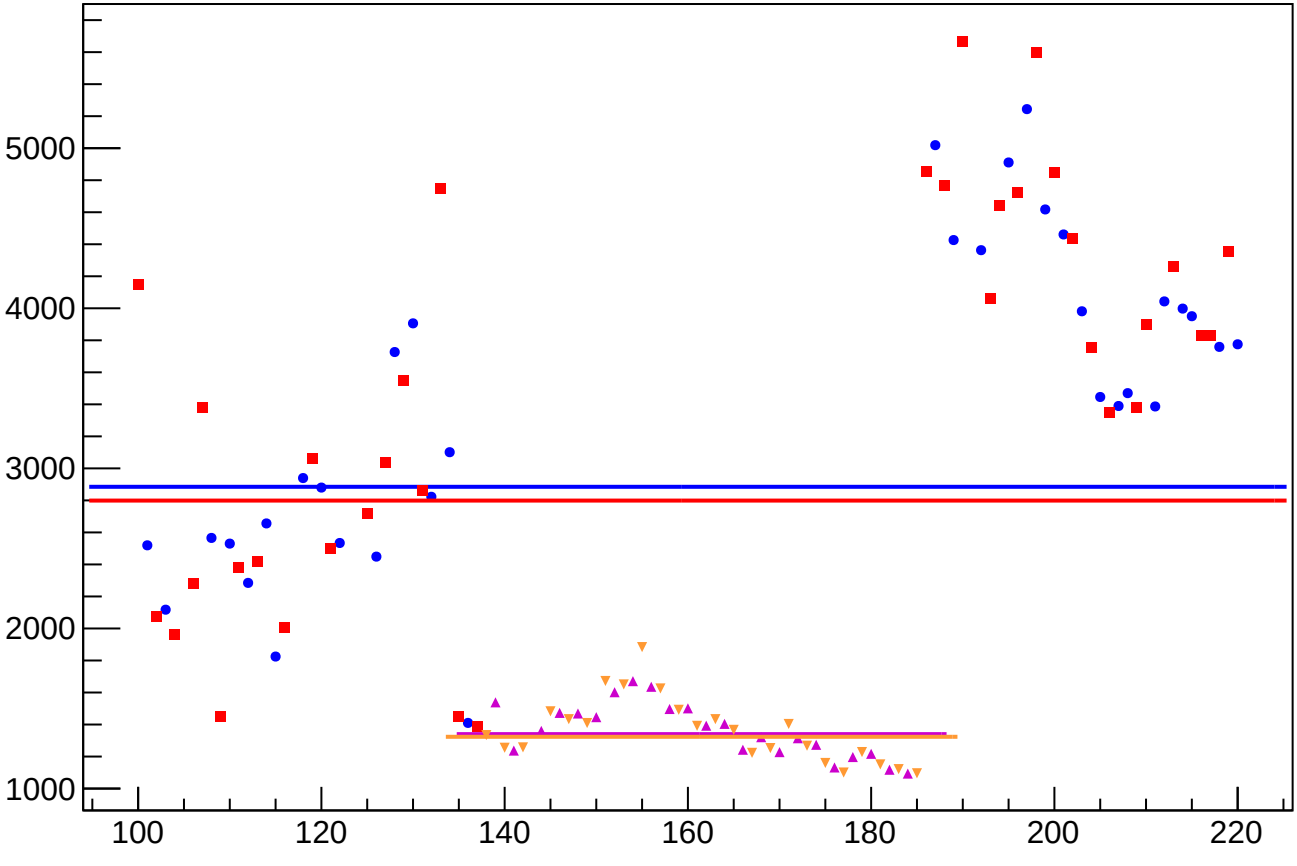
In: 2163.691+/-0.244 χ^2/NDF:262109.5/55

Out: 2166.791+/-0.244 χ^2/NDF:261958.6/58

All: 2165.241+/-0.173 χ^2/NDF: 524148.7/114


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -2531.635+/-670.847 χ²/NDF: 46.1/32
Left Out: -1293.716+/-310.622 χ²/NDF:58.7/23
Right Out: 2080.611+/-662.564 χ²/NDF: 30.6/34
Left In: 341.259+/-315.566 χ²/NDF:24.8/22
Left: -489.137+/-221.370 χ²/NDF: 97.1/46
Right: -196.862+/-471.405 χ²/NDF: 100.6/67
In: -179.263+/-285.551 χ²/NDF:85.9/55
Out: -685.707+/-281.248 χ²/NDF:110.5/58
All: -436.329+/-200.376 χ²/NDF: 198.0/114

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2884.967+/-0.474 χ^2/NDF: 4890038.3/32

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2798.905+/-0.469 χ^2/NDF: 6185567.7/34

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

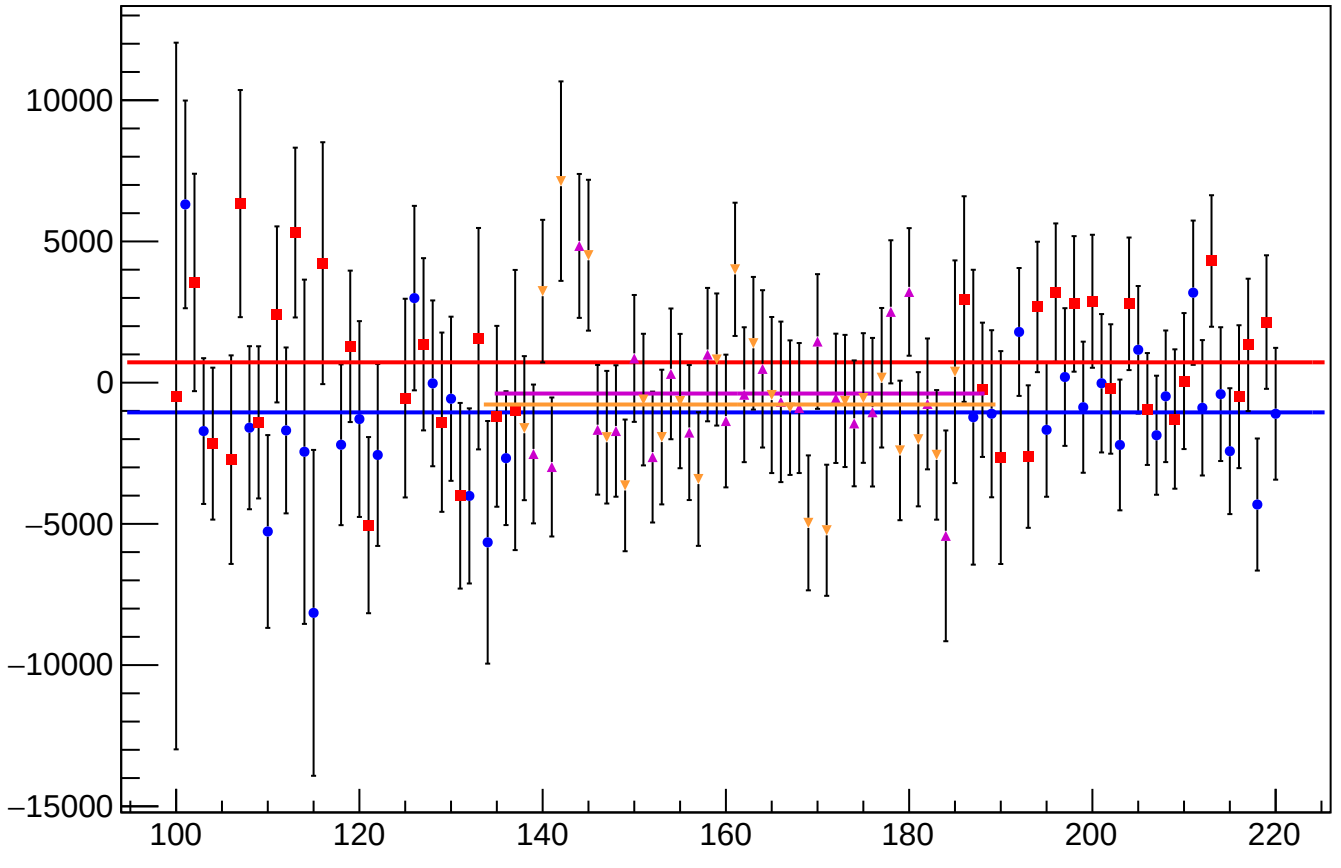
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2841.401+/-0.333 χ^2/NDF: 11092268.1/67

In: 1619.992+/-0.202 χ^2/NDF:14069105.3/55

Out: 1589.268+/-0.199 χ^2/NDF:14980896.3/58

All: 1604.397+/-0.142 χ^2/NDF: 29061753.9/1



Right In: -1052.636+/-472.417 χ^2/NDF: 20.5/32

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: 719.707+/-475.003 χ^2/NDF: 27.0/34

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

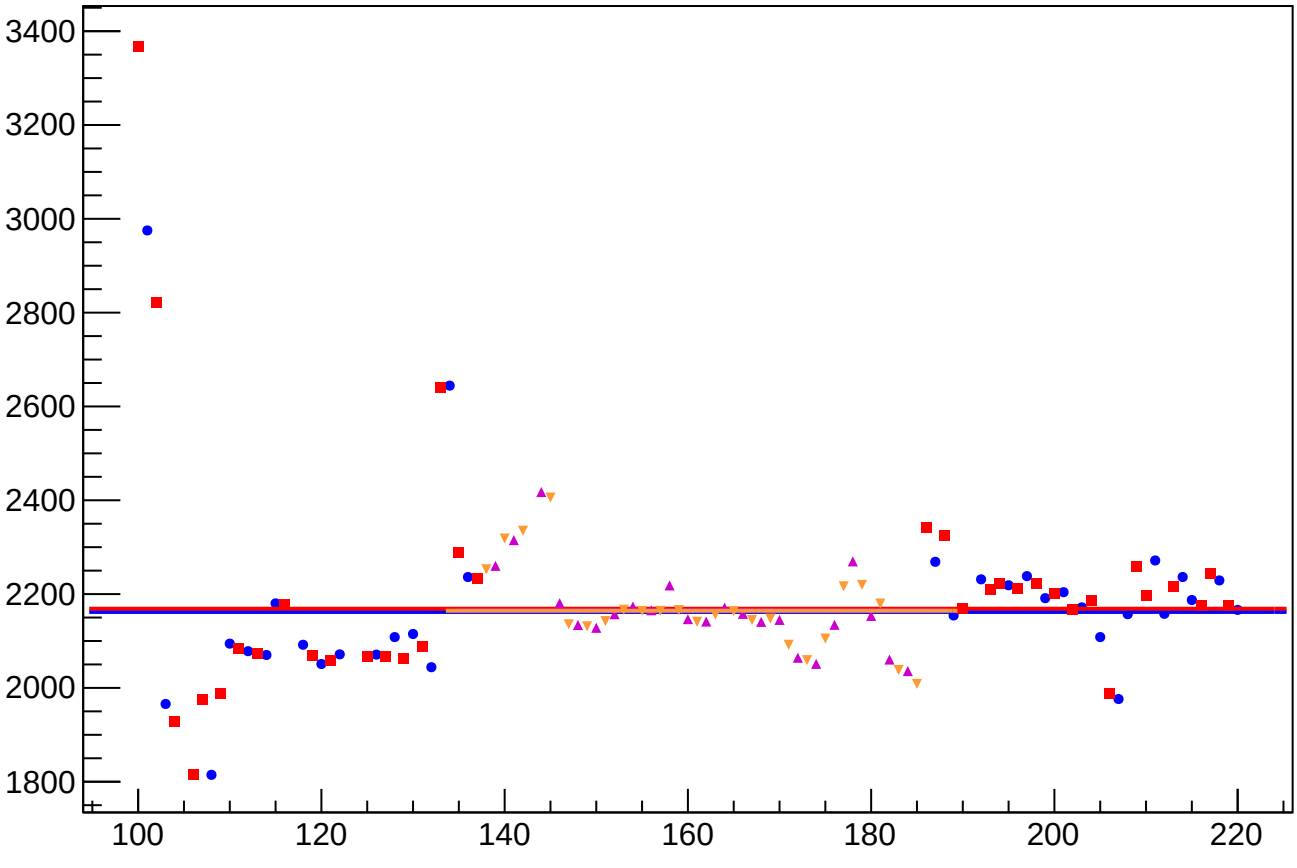
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -171.301+/-334.960 χ^2/NDF: 54.5/67

In: -741.866+/-345.329 χ^2/NDF:37.1/55

Out: 15.507+/-345.292 χ^2/NDF:60.2/58

All: -363.139+/-244.171 χ^2/NDF: 99.7/114



Right In: 2161.990+/-0.334 χ^2/NDF: 209929.3/32

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2168.806+/-0.336 χ^2/NDF: 211205.8/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

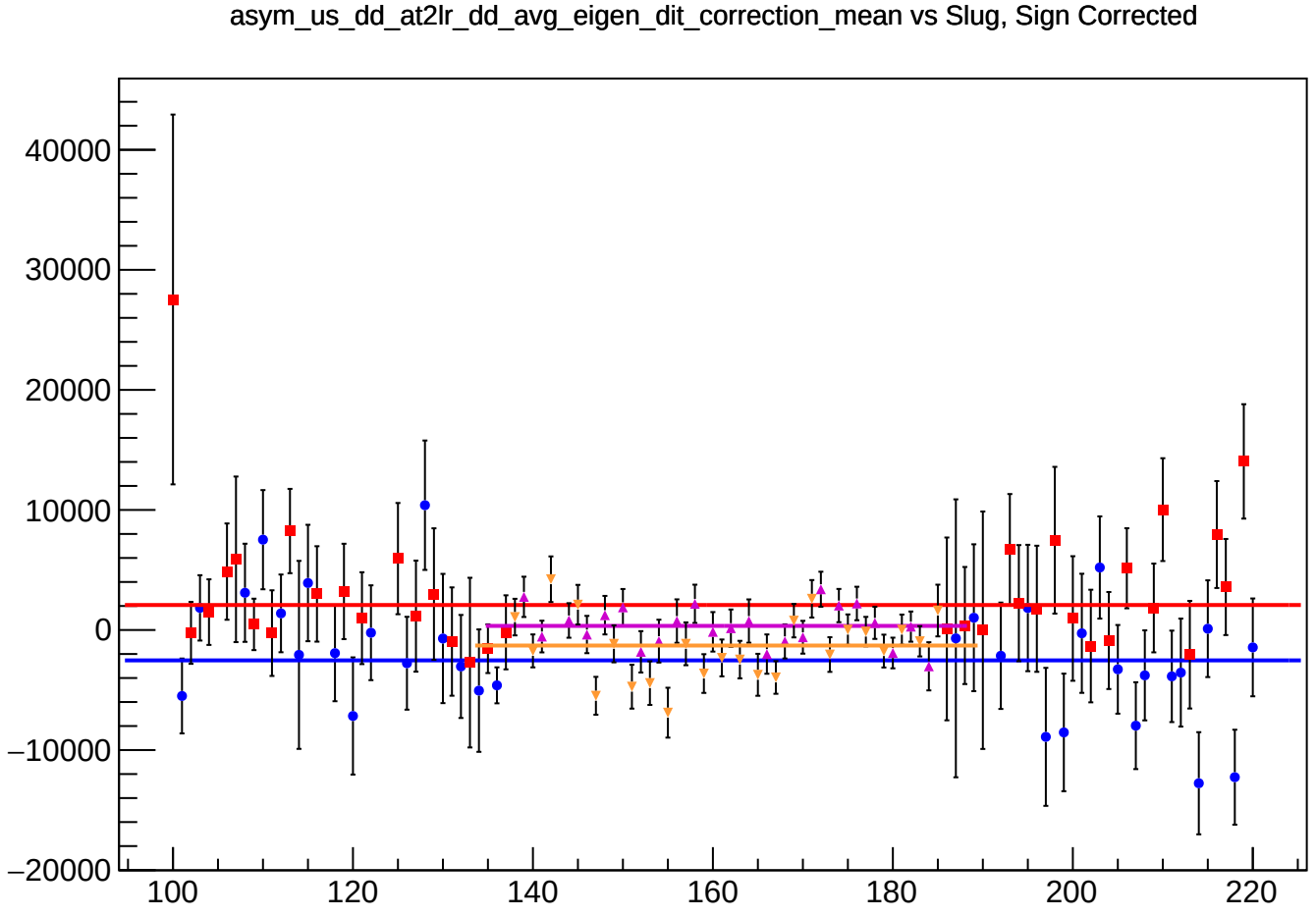
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2165.380+/-0.237 χ^2/NDF: 421342.2/67

In: 2163.691+/-0.244 χ^2/NDF:262109.5/55

Out: 2166.791+/-0.244 χ^2/NDF:261958.5/58

All: 2165.241+/-0.173 χ^2/NDF: 524148.6/114



Right In: -2531.632+/-670.848 χ^2/NDF: 46.1/32

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 2080.623+/-662.566 χ^2/NDF: 30.6/34

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

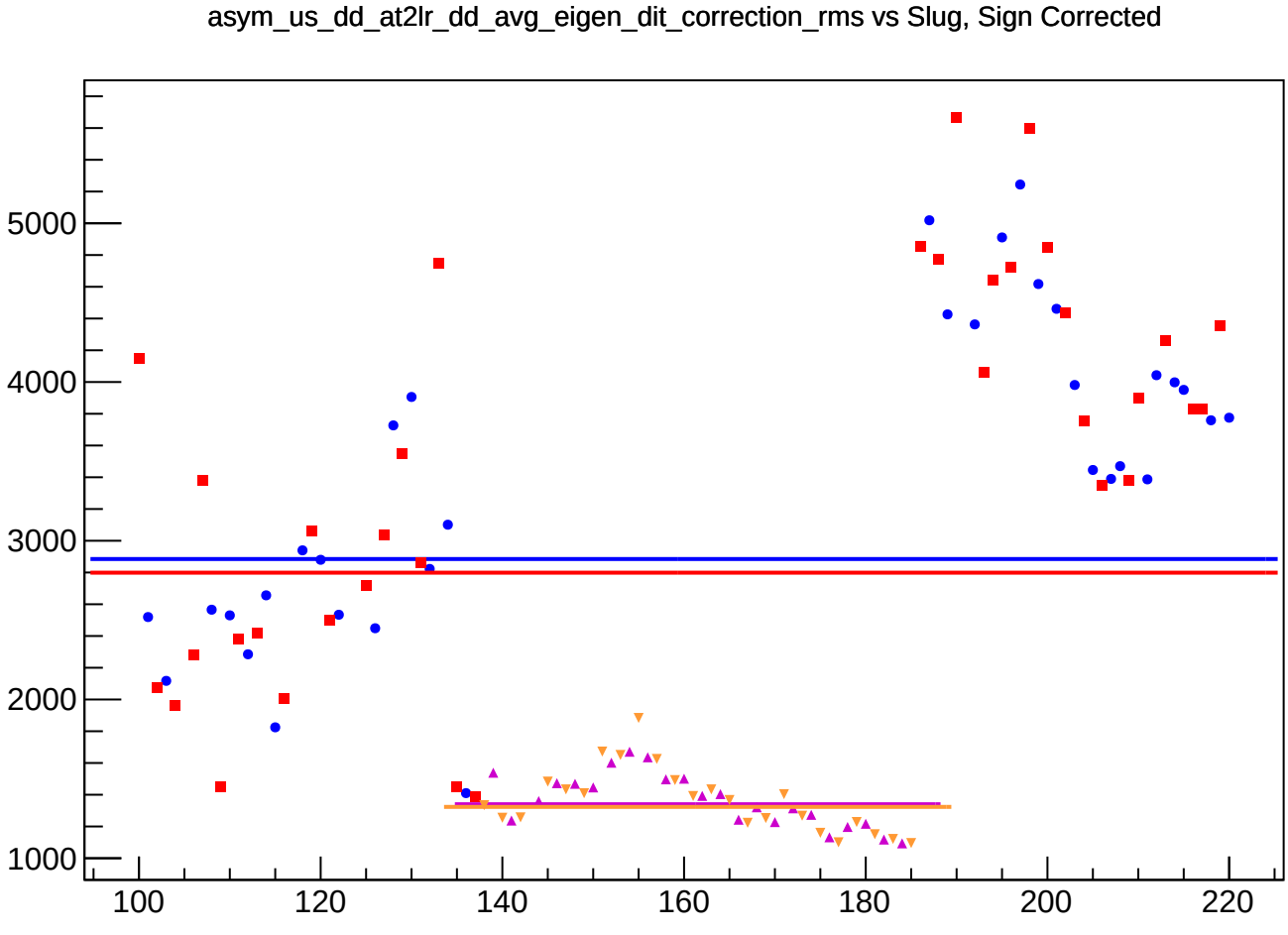
Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

Right: -196.857+/-471.406 χ^2/NDF: 100.6/67

In: -179.262+/-285.551 χ^2/NDF:85.9/55

Out: -685.708+/-281.248 χ^2/NDF:110.5/58

All: -436.329+/-200.376 χ^2/NDF: 198.0/114



Right In: 2884.976+/-0.474 χ^2/NDF: 4889918.8/32

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2798.917+/-0.469 χ^2/NDF: 6185462.1/34

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

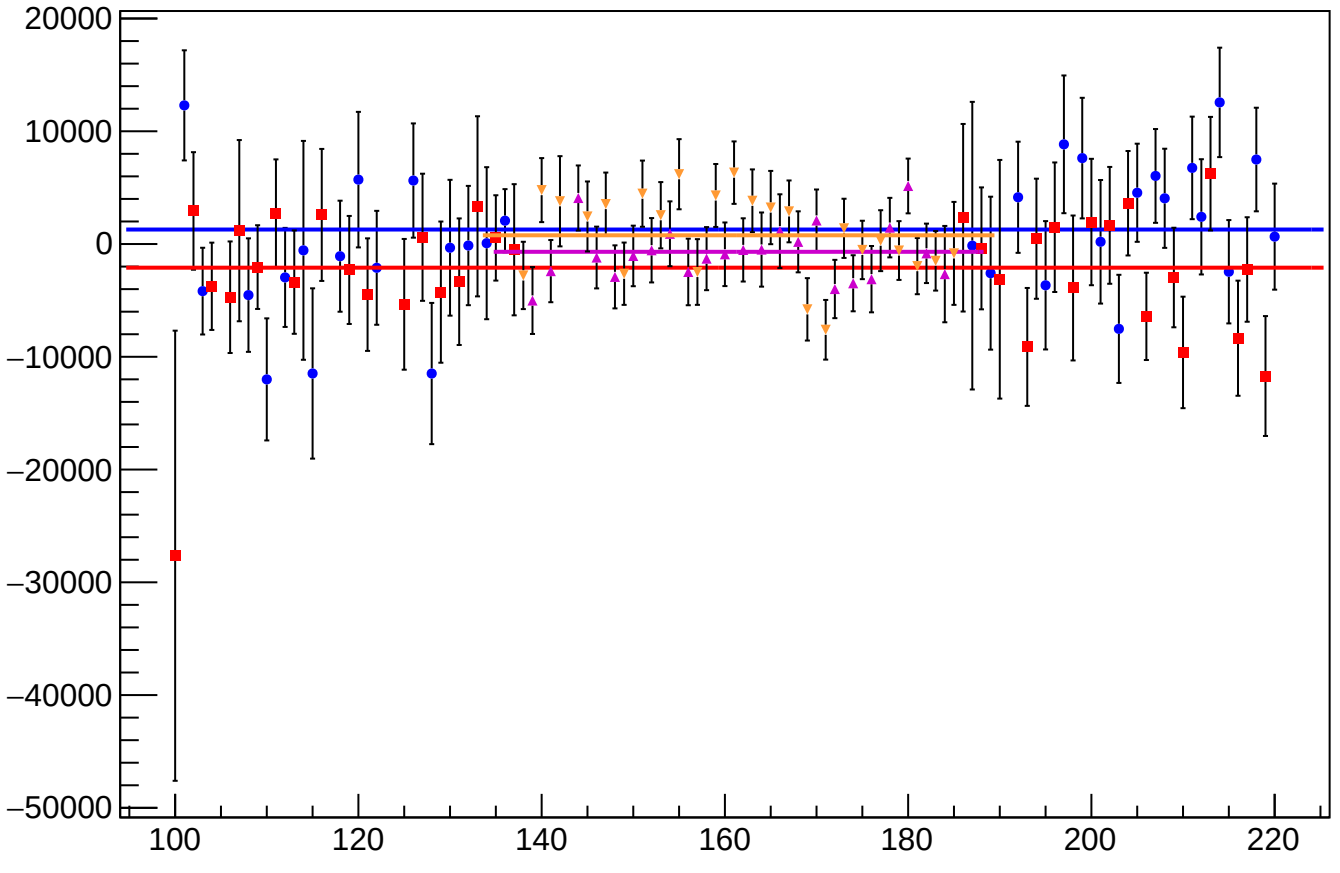
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2841.412+/-0.333 χ^2/NDF: 11092042.1/67

In: 1619.991+/-0.202 χ^2/NDF:14069096.2/55

Out: 1589.269+/-0.199 χ^2/NDF:14980885.3/58

All: 1604.397+/-0.142 χ^2/NDF: 29061732.7/



Right In: 1285.703+/-870.774 χ^2/NDF: 44.1/32

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -2097.505+/-879.966 χ^2/NDF: 23.5/34

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

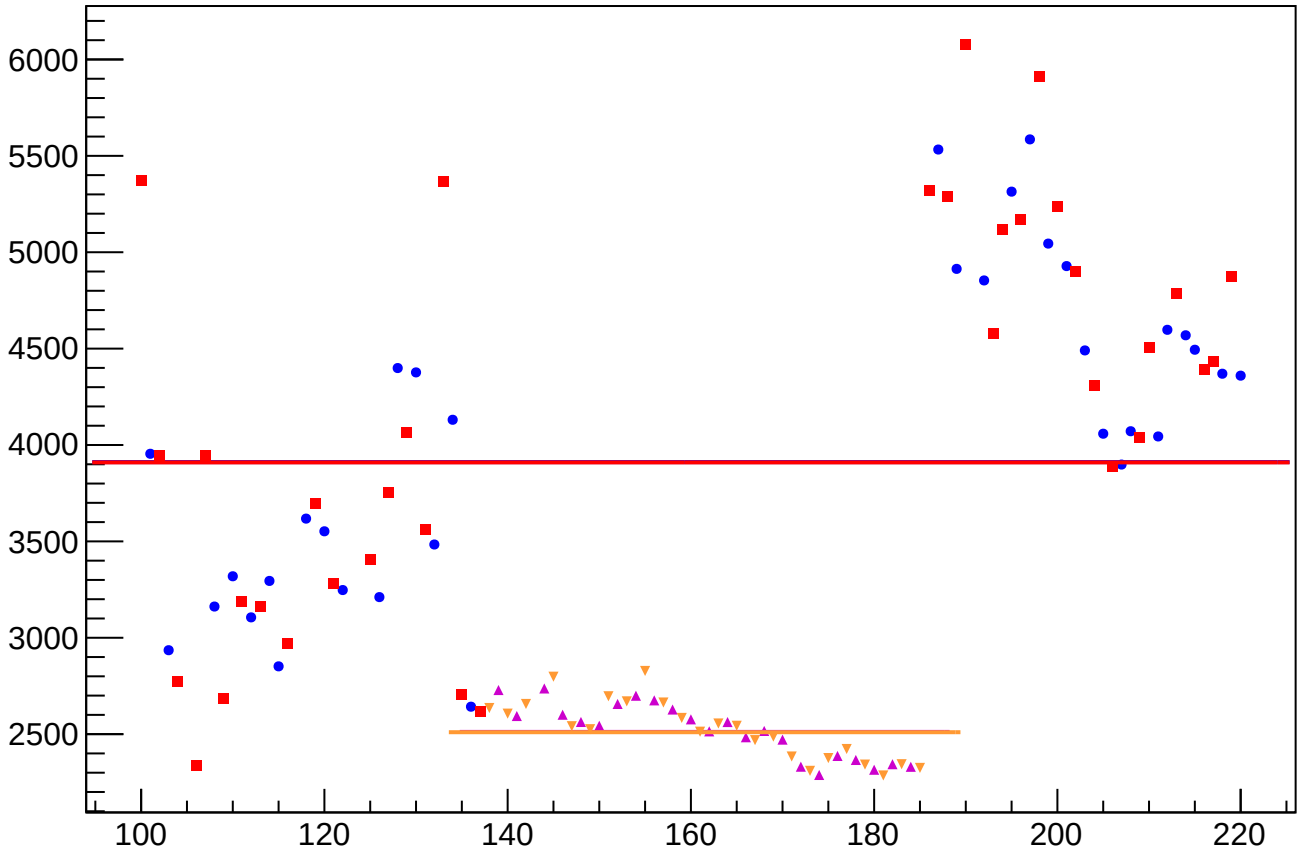
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -388.139+/-618.954 χ^2/NDF: 75.1/67

In: -72.066+/-486.980 χ^2/NDF:66.0/55

Out: -102.835+/-486.413 χ^2/NDF:70.2/58

All: -87.468+/-344.146 χ^2/NDF: 136.2/114



Right In: 3911.340+/-0.616 χ^2/NDF: 1607707.4/32

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3909.722+/-0.622 χ^2/NDF: 2280879.0/34

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

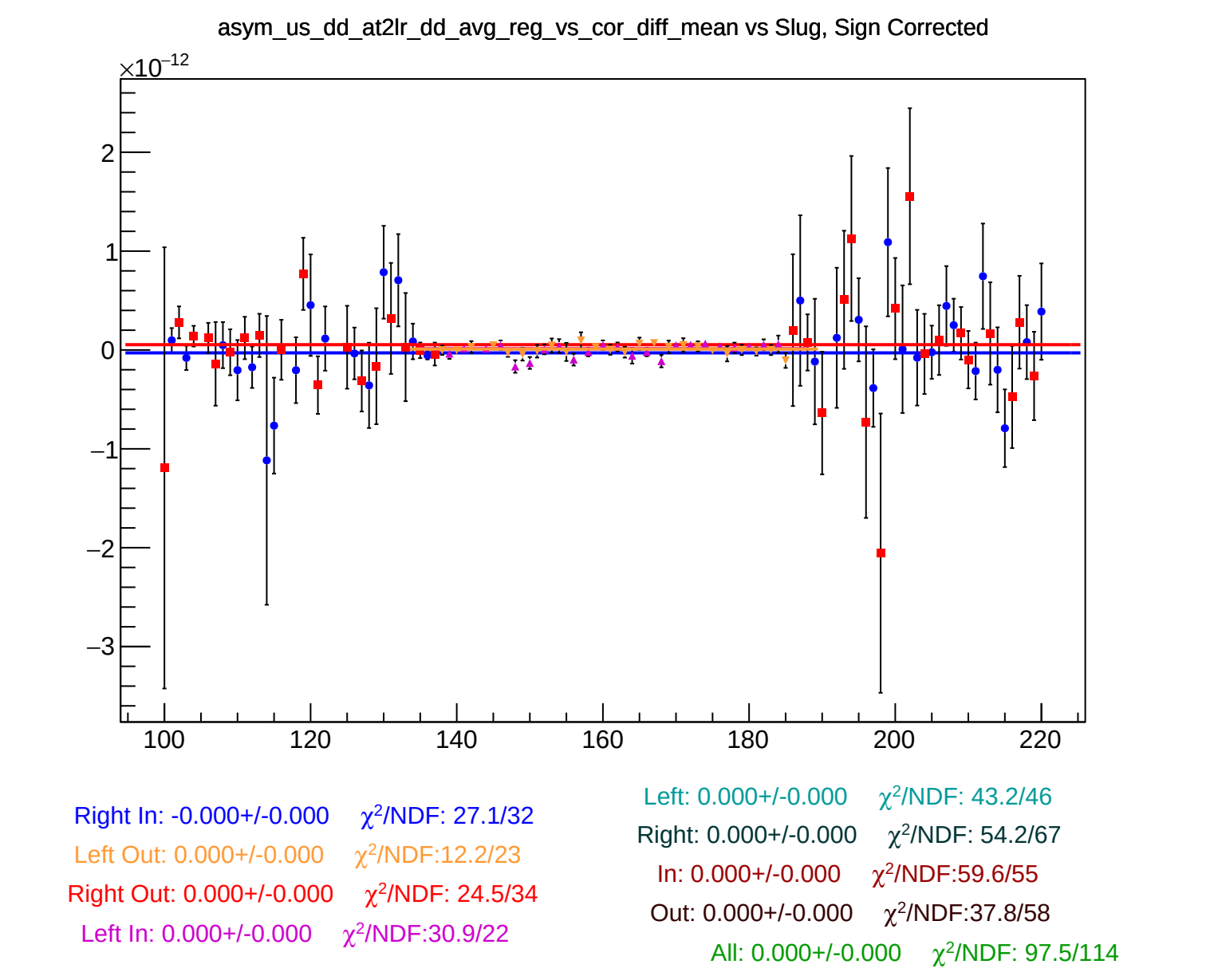
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

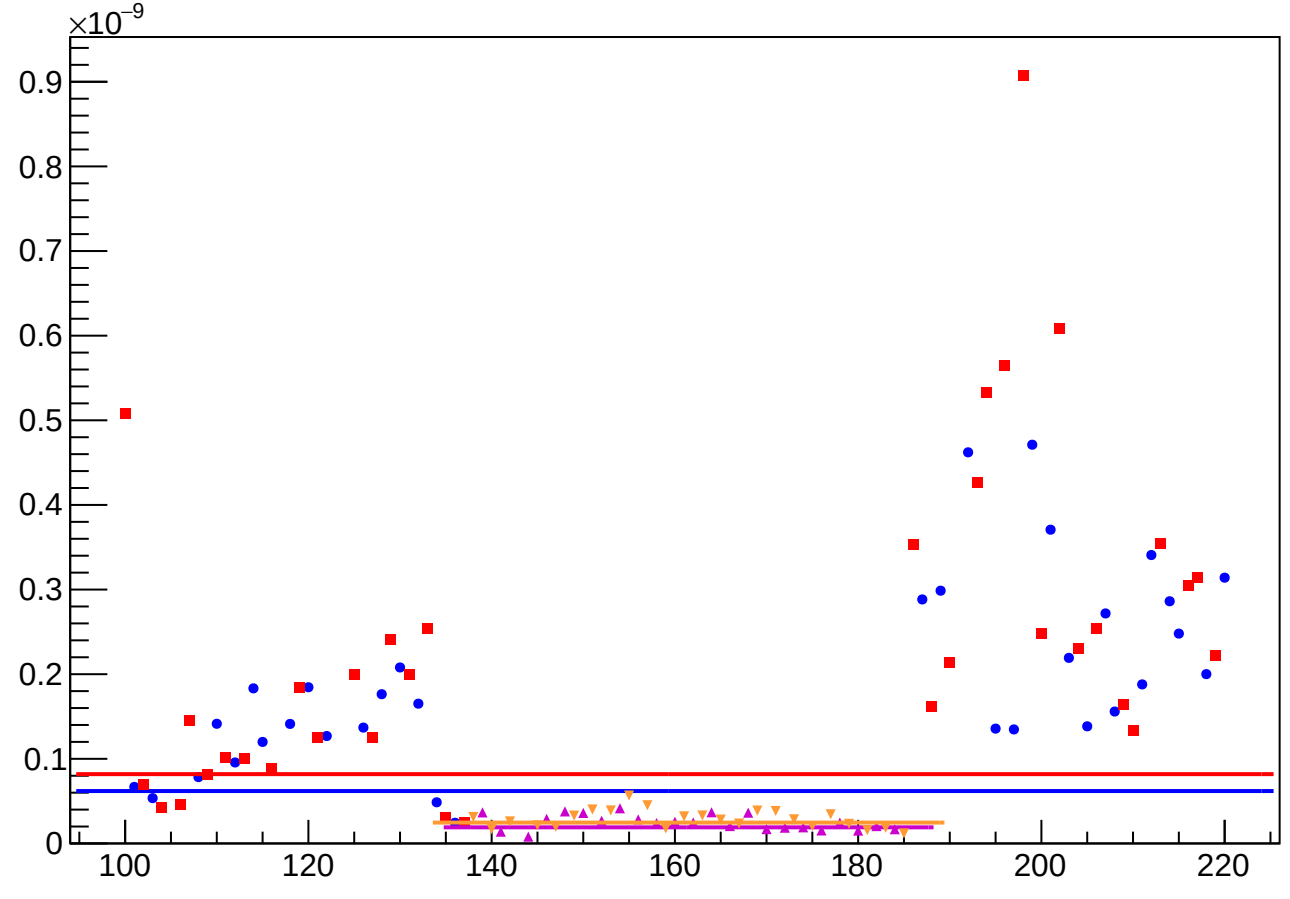
Right: 3910.539+/-0.438 χ^2/NDF: 3888589.7/67

In: 2949.392+/-0.344 χ^2/NDF:5272719.5/55

Out: 2937.734+/-0.344 χ^2/NDF:5923390.0/58

All: 2943.556+/-0.243 χ^2/NDF: 11196683.2/1


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 27.1/32
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 24.5/34
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 54.2/67
In: 0.000+/-0.000 χ²/NDF:59.6/55
Out: 0.000+/-0.000 χ²/NDF:37.8/58
All: 0.000+/-0.000 χ²/NDF: 97.5/114



Right In: 0.000+/-0.000 χ^2/NDF: 8917319.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8984943.3/34

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

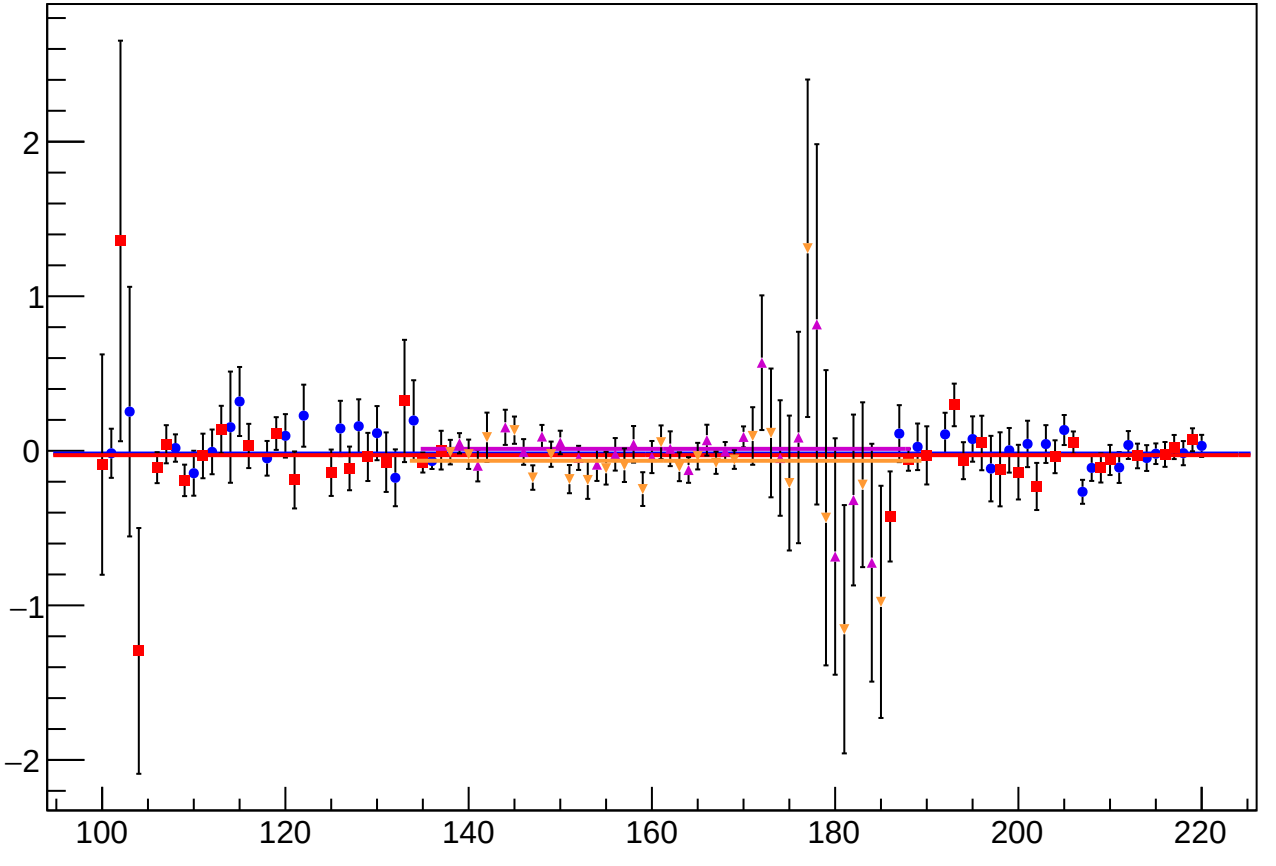
Right: 0.000+/-0.000 χ^2/NDF: 18200373.3/67

In: 0.000+/-0.000 χ^2/NDF:14361965.4/55

Out: 0.000+/-0.000 χ^2/NDF:14200326.3/58

All: 0.000+/-0.000 χ^2/NDF: 29035364.9/114

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.019 χ^2/NDF: 28.6/32

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

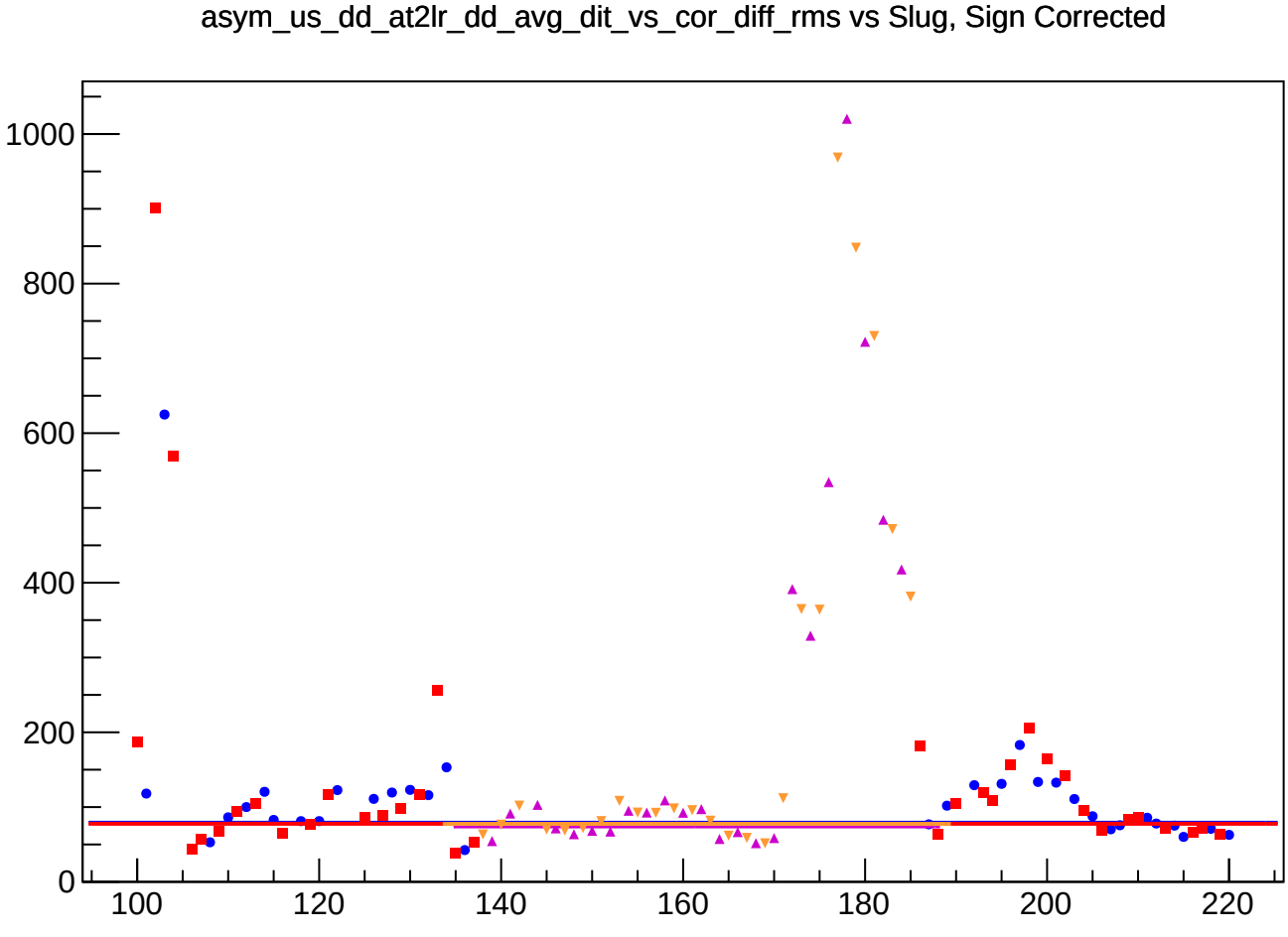
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.023+/-0.014 χ^2/NDF: 56.8/67

In: -0.004+/-0.014 χ^2/NDF:44.7/55

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.023+/-0.010 χ^2/NDF: 100.5/114



Right In: 79.042+/-0.014 χ^2/NDF: 4976638.5/32

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

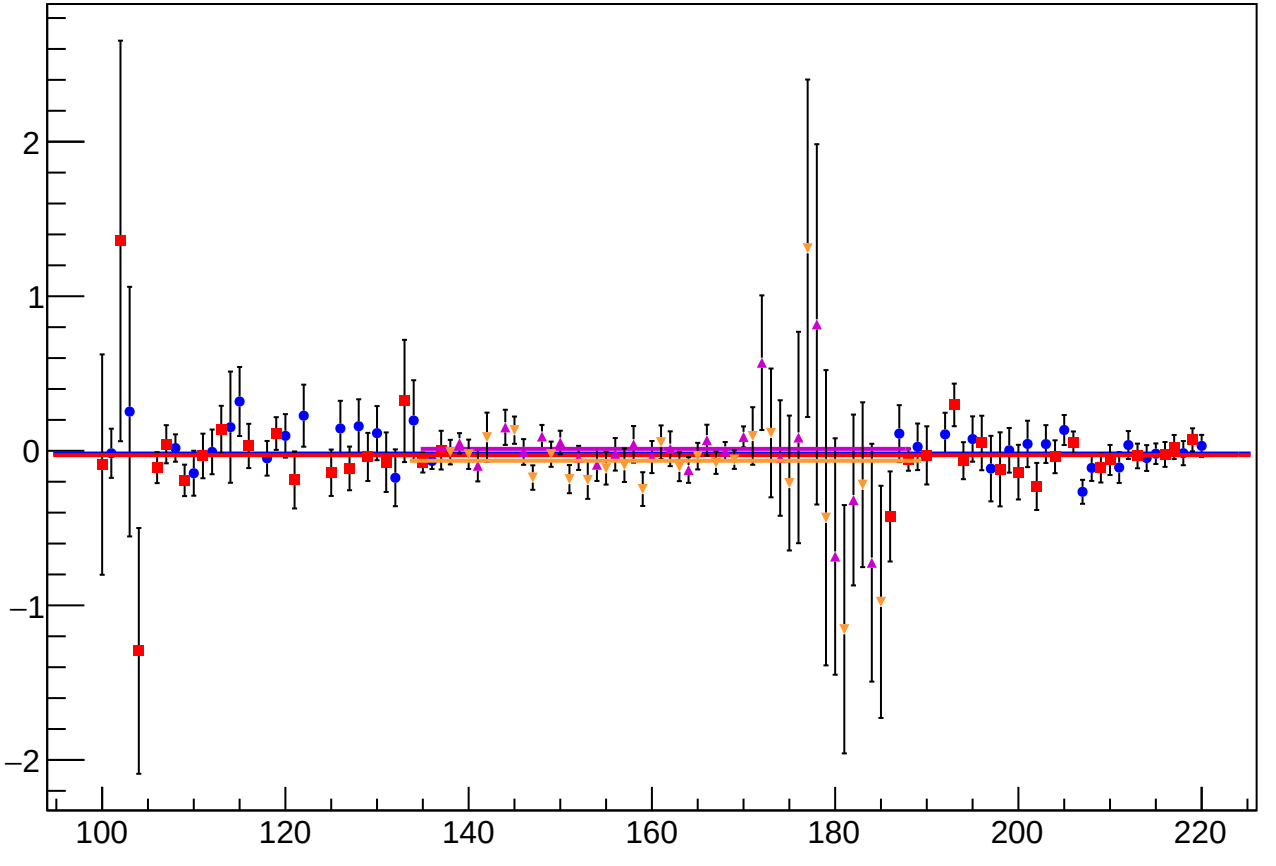
Right: 78.382+/-0.010 χ^2/NDF: 11209970.0/67

In: 76.845+/-0.010 χ^2/NDF:13547568.3/55

Out: 77.633+/-0.010 χ^2/NDF:14559887.6/58

All: 77.229+/-0.007 χ^2/NDF: 28110442.5/114

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.019 χ^2/NDF: 28.6/32

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

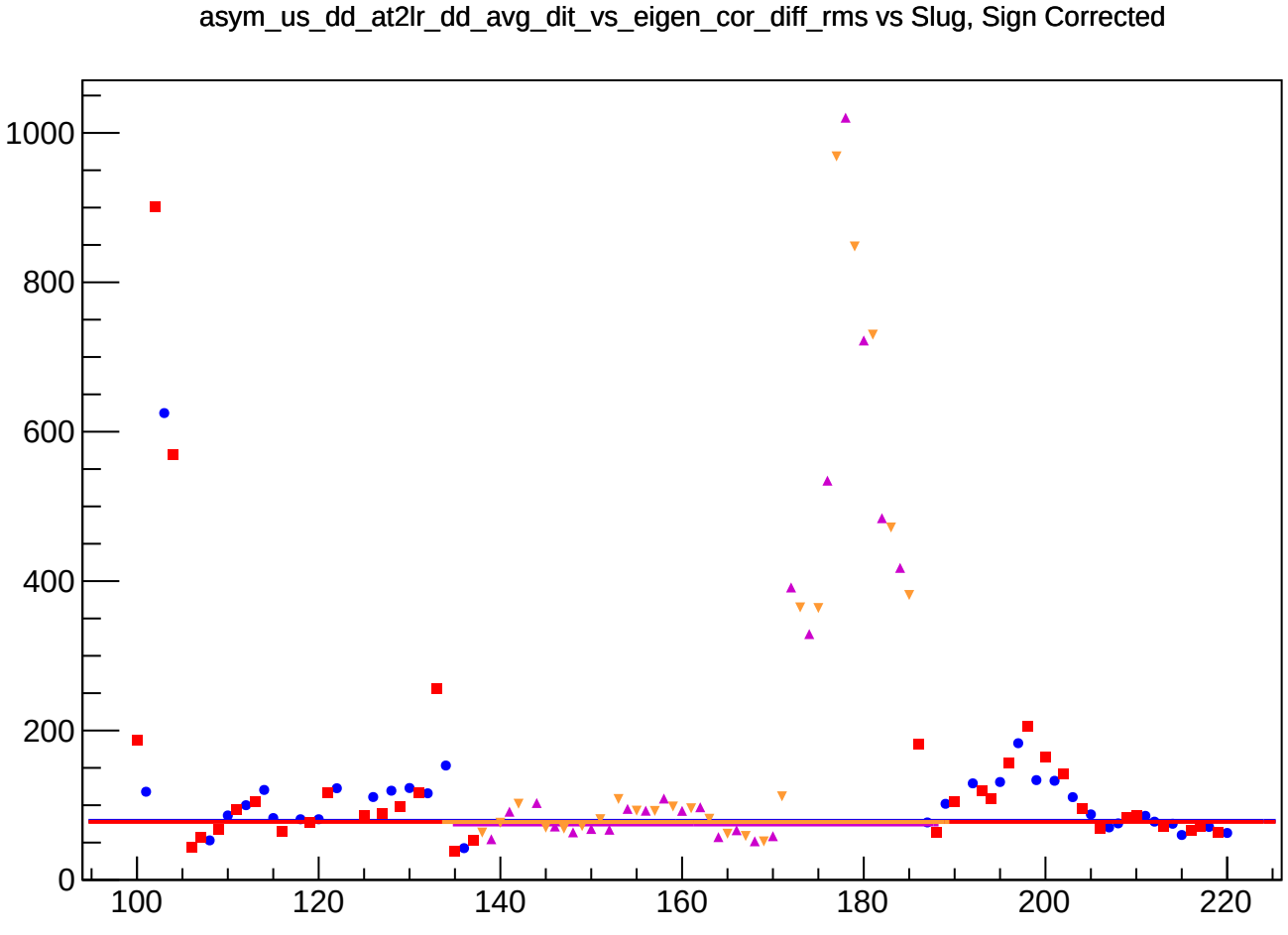
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.023+/-0.014 χ^2/NDF: 56.8/67

In: -0.004+/-0.014 χ^2/NDF:44.7/55

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.023+/-0.010 χ^2/NDF: 100.5/114



Right In: 79.042+/-0.014 χ^2/NDF: 4976638.5/32

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

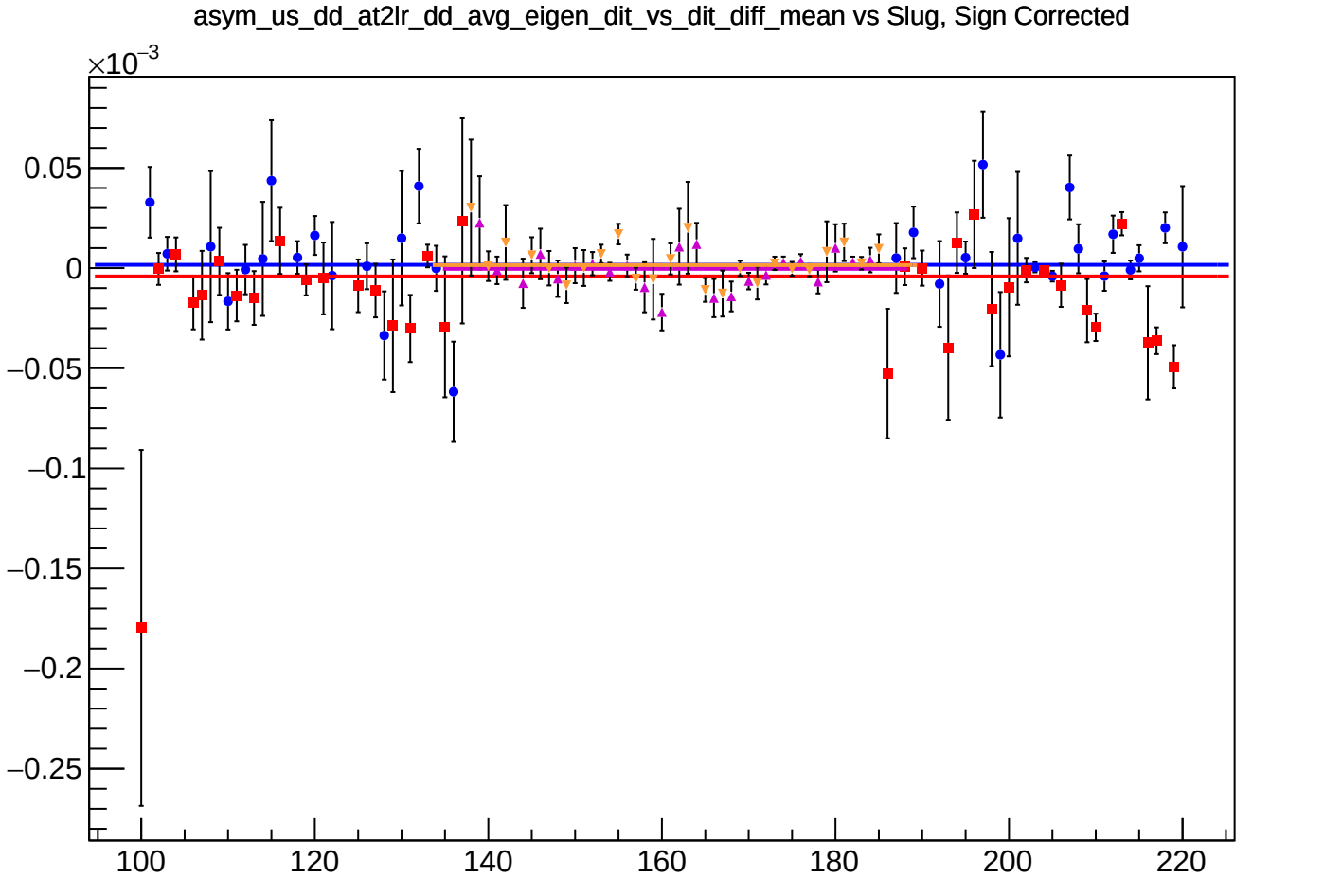
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 78.382+/-0.010 χ^2/NDF: 11209970.0/67

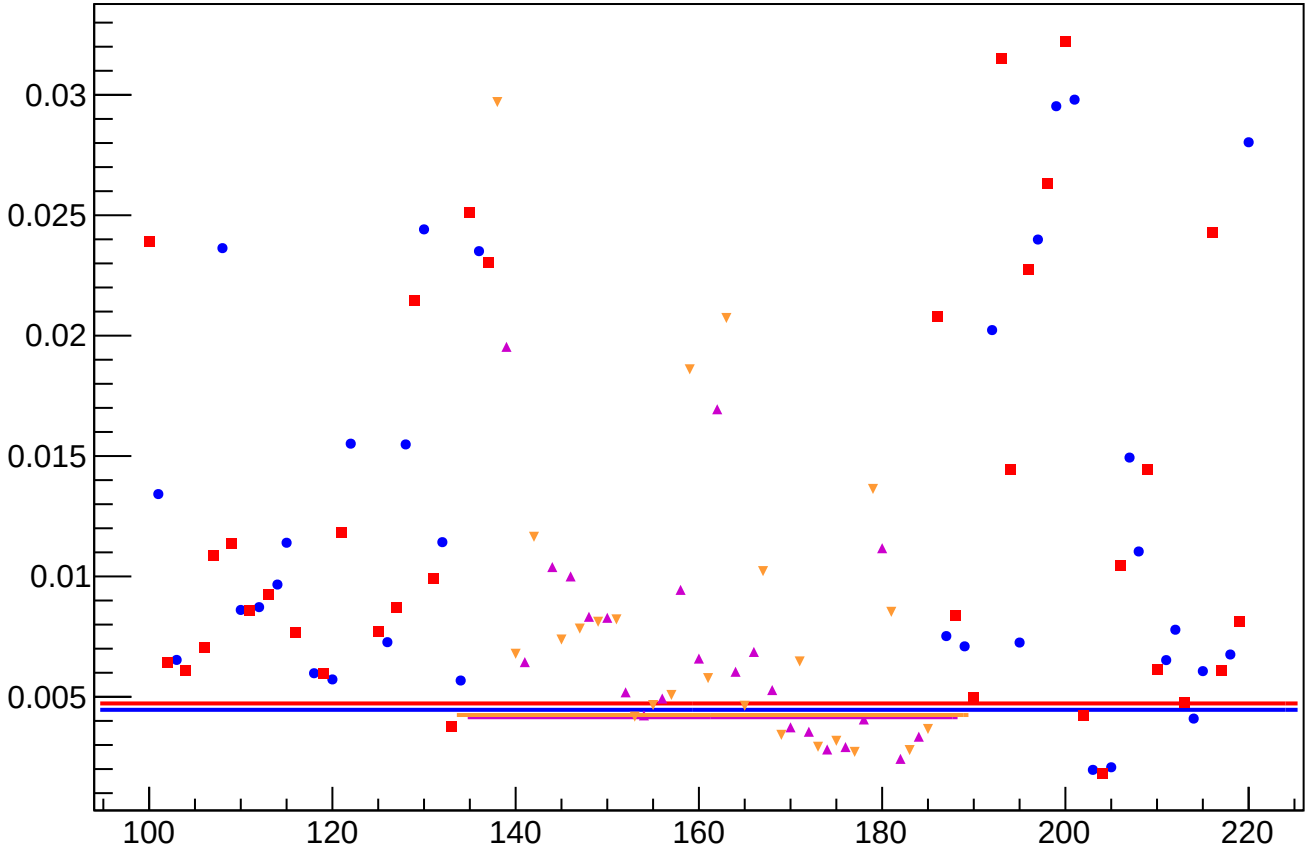
In: 76.845+/-0.010 χ^2/NDF:13547568.3/55

Out: 77.633+/-0.010 χ^2/NDF:14559887.6/58

All: 77.229+/-0.007 χ^2/NDF: 28110442.5/114


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 52.0/32
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 103.7/34
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 52.9/46
Right: -0.000+/-0.000 χ²/NDF: 164.5/67
In: 0.000+/-0.000 χ²/NDF:77.8/55
Out: -0.000+/-0.000 χ²/NDF:140.5/58
All: -0.000+/-0.000 χ²/NDF: 219.3/114

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 16956219.9/32

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.005+/-0.000 χ^2/NDF: 16137553.5/34

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

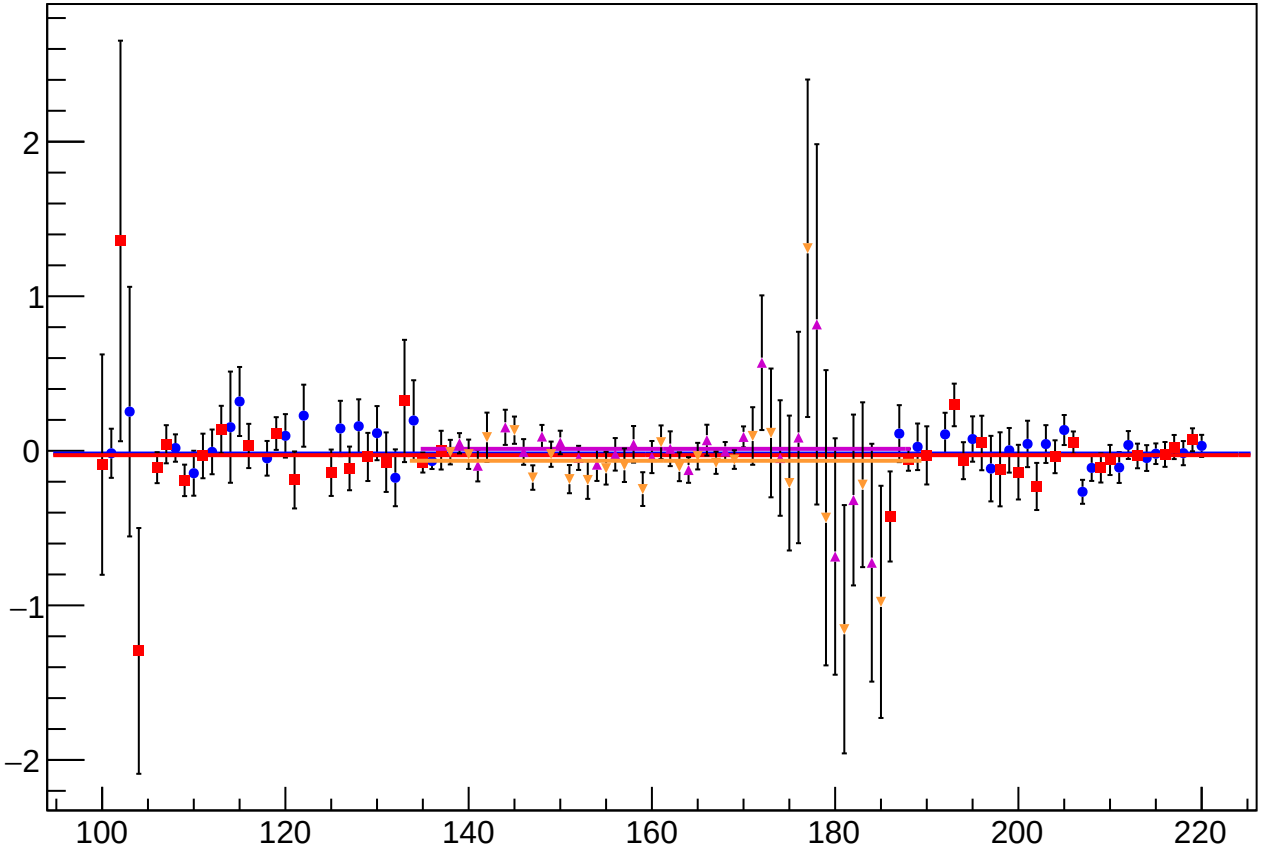
Right: 0.005+/-0.000 χ^2/NDF: 33130519.2/67

In: 0.004+/-0.000 χ^2/NDF:23900724.9/55

Out: 0.004+/-0.000 χ^2/NDF:24927971.4/58

All: 0.004+/-0.000 χ^2/NDF: 48858129.4/114

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.019 χ^2/NDF: 28.6/32

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

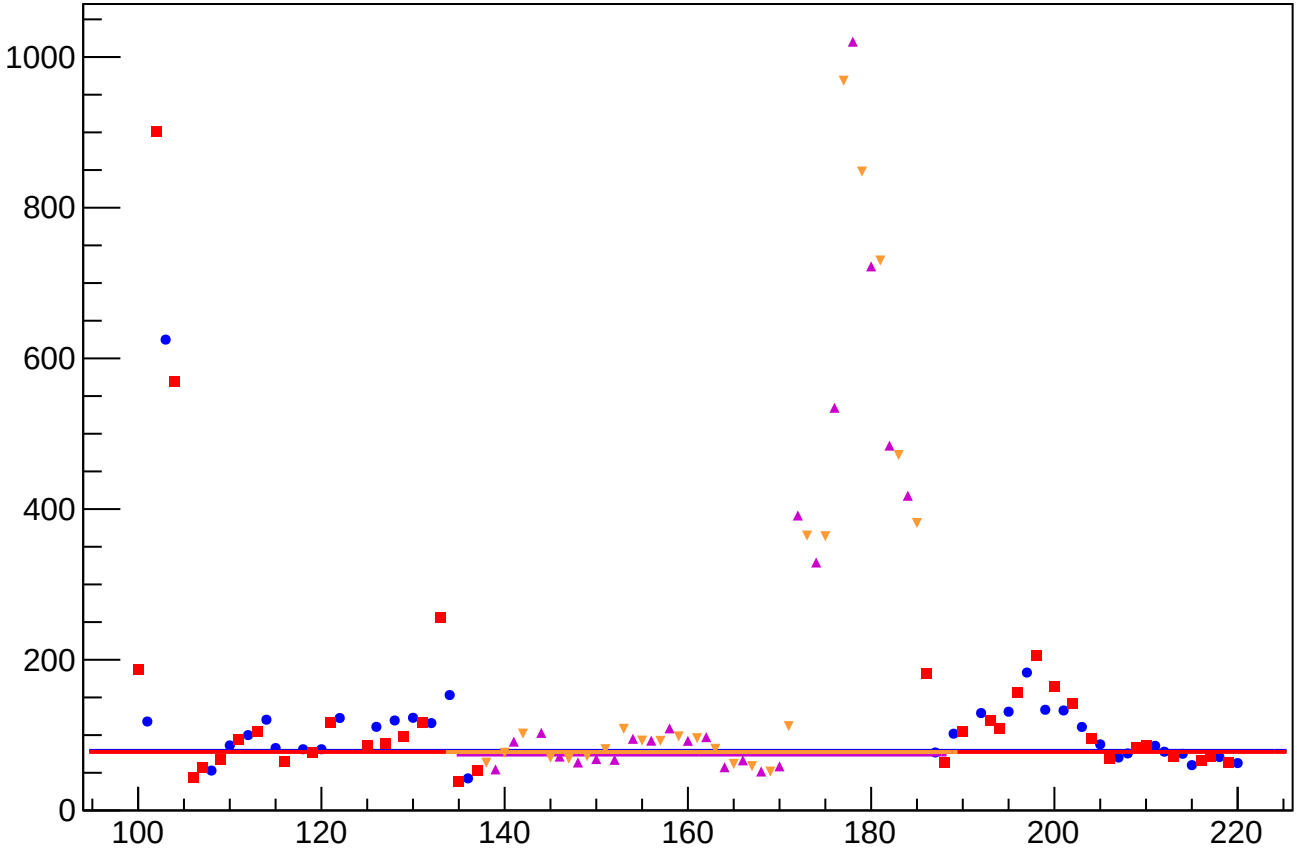
Right: -0.023+/-0.014 χ^2/NDF: 56.8/67

In: -0.004+/-0.014 χ^2/NDF:44.7/55

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.023+/-0.010 χ^2/NDF: 100.5/114

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.052+/-0.014 χ^2/NDF: 4973794.7/32

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

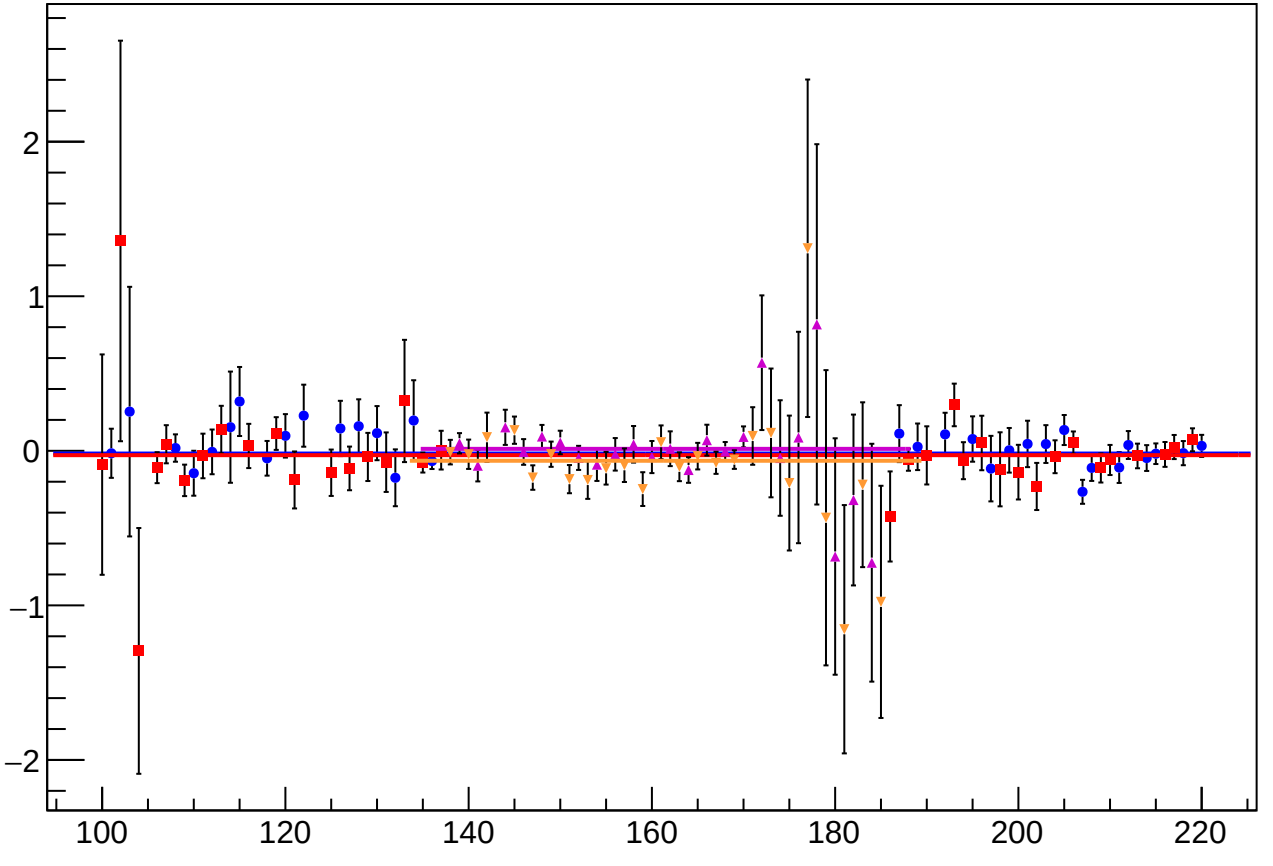
Right: 78.384+/-0.010 χ^2/NDF: 11208647.7/67

In: 76.850+/-0.010 χ^2/NDF:13544626.2/55

Out: 77.631+/-0.010 χ^2/NDF:14561220.1/58

All: 77.231+/-0.007 χ^2/NDF: 28108771.0/114

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.019 χ^2/NDF: 28.6/32

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

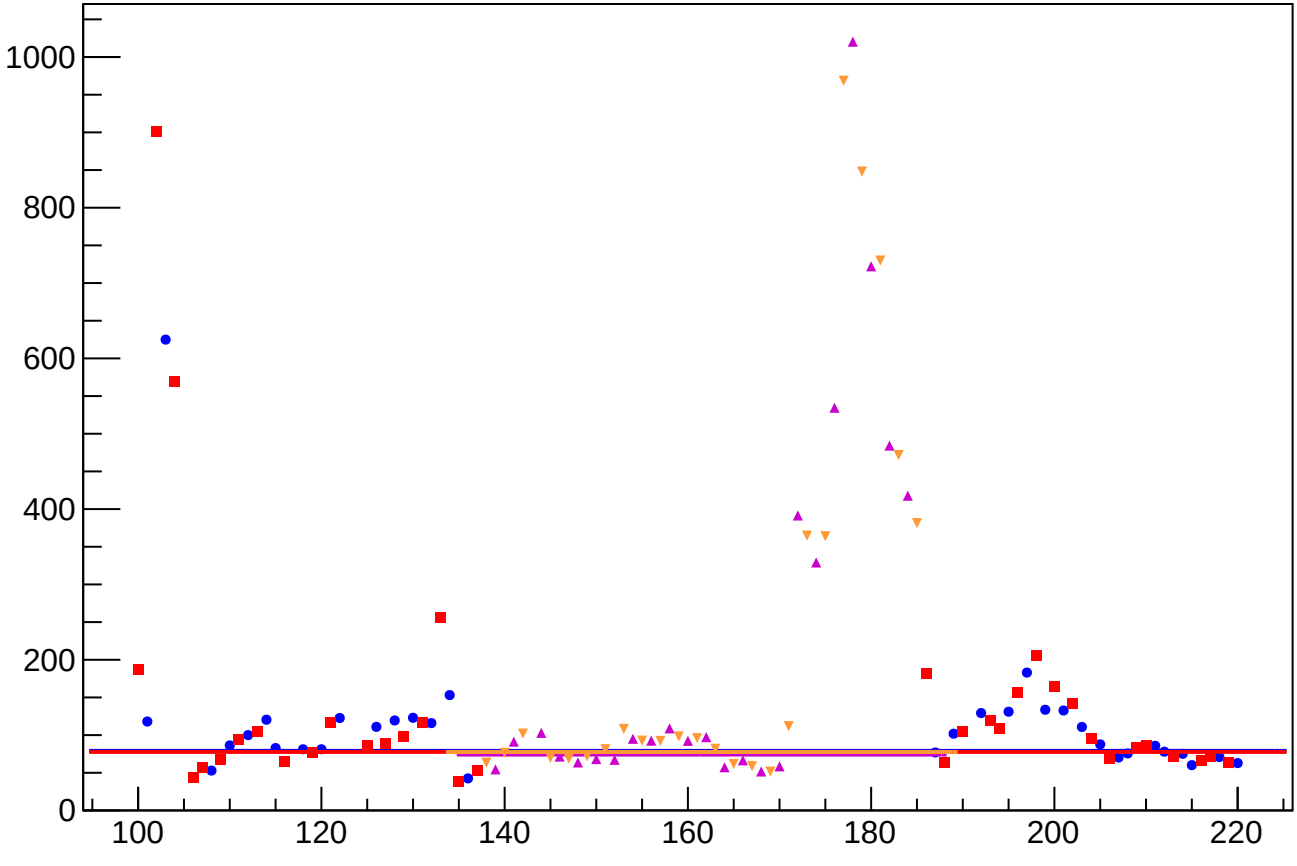
Right: -0.023+/-0.014 χ^2/NDF: 56.8/67

In: -0.004+/-0.014 χ^2/NDF:44.7/55

Out: -0.044+/-0.015 χ^2/NDF:51.9/58

All: -0.023+/-0.010 χ^2/NDF: 100.5/114

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.052+/-0.014 χ^2/NDF: 4973794.7/32

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

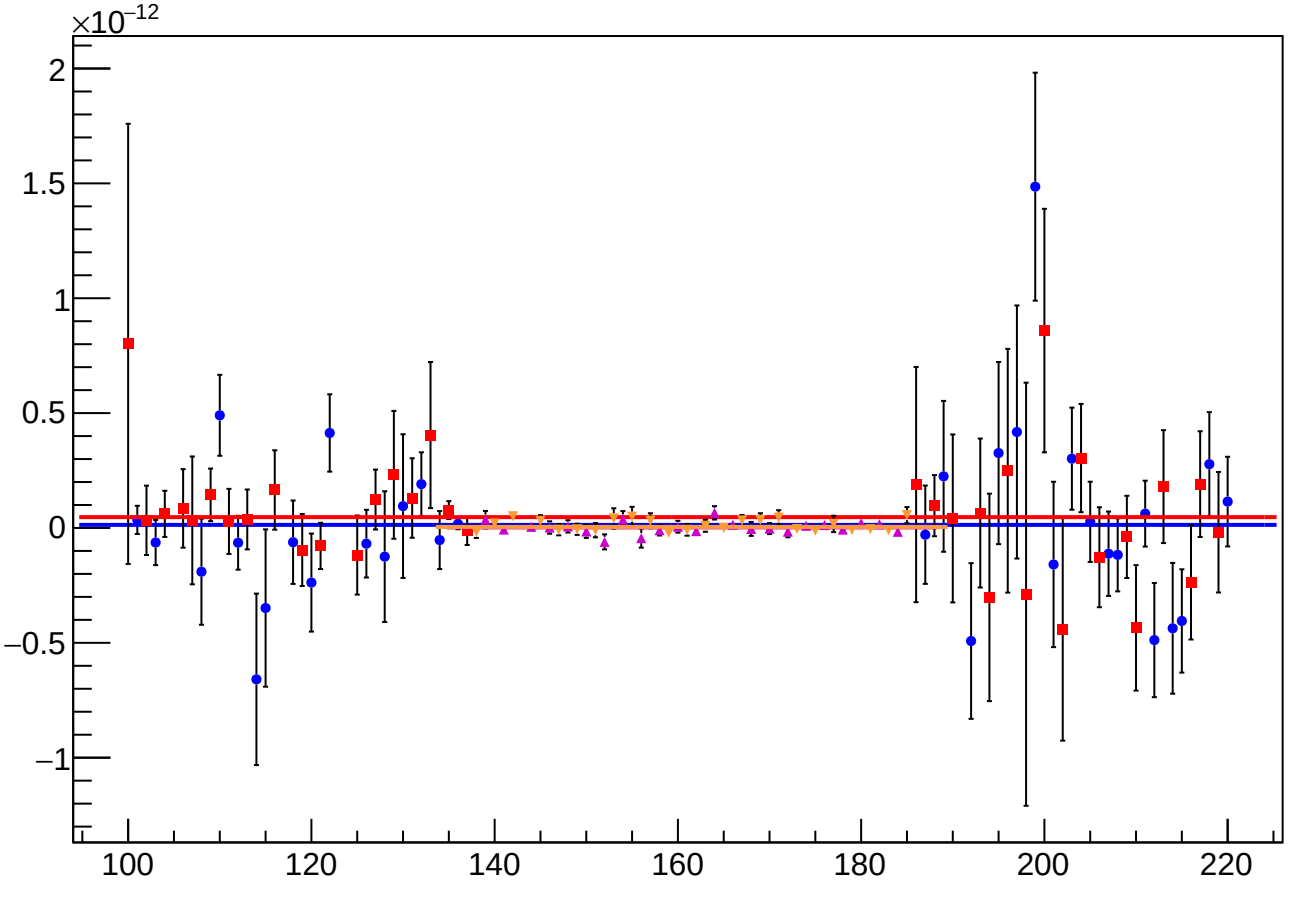
Right: 78.384+/-0.010 χ^2/NDF: 11208647.7/67

In: 76.850+/-0.010 χ^2/NDF:13544626.2/55

Out: 77.631+/-0.010 χ^2/NDF:14561220.1/58

All: 77.231+/-0.007 χ^2/NDF: 28108771.0/114

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: 50.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/34

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

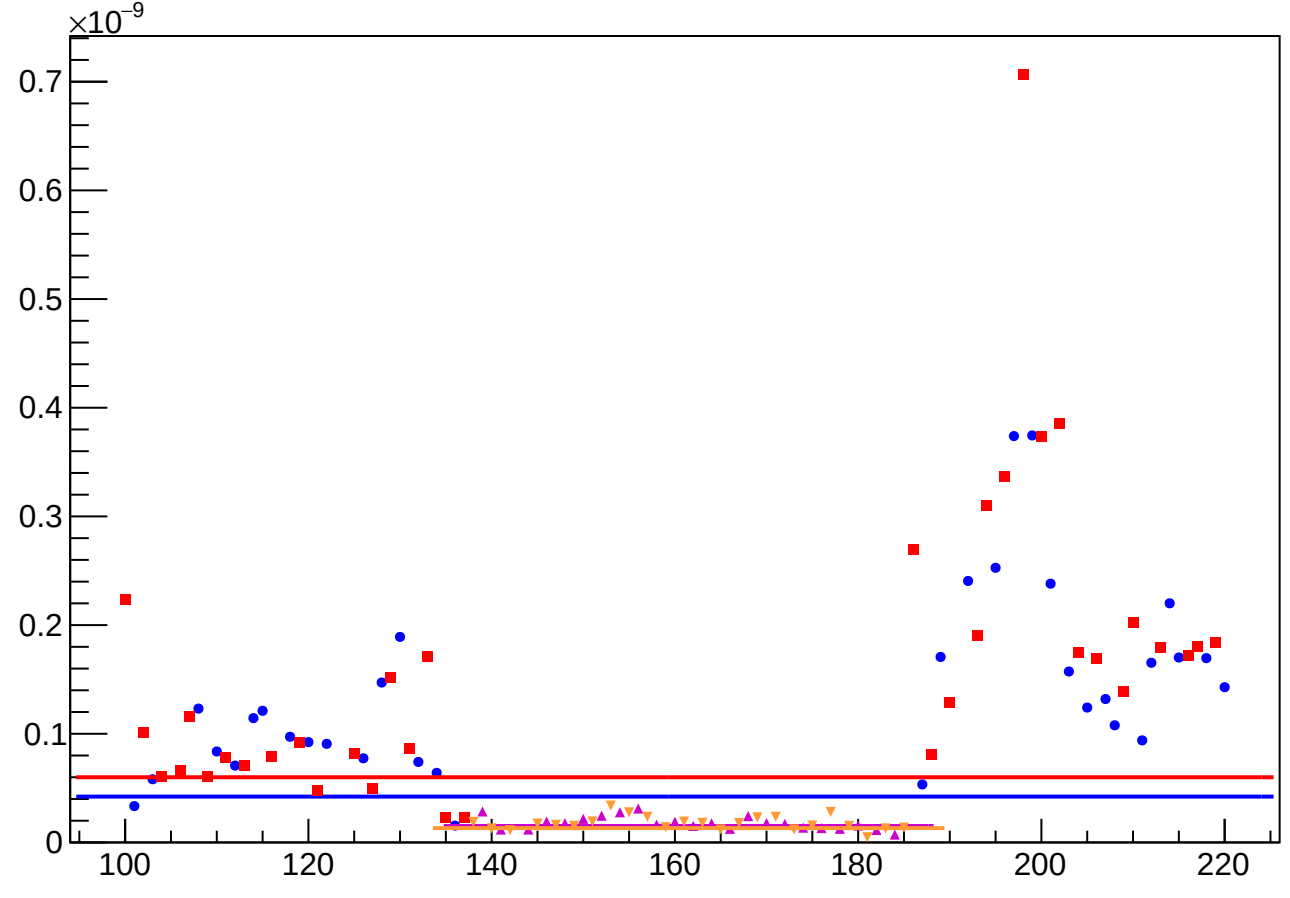
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

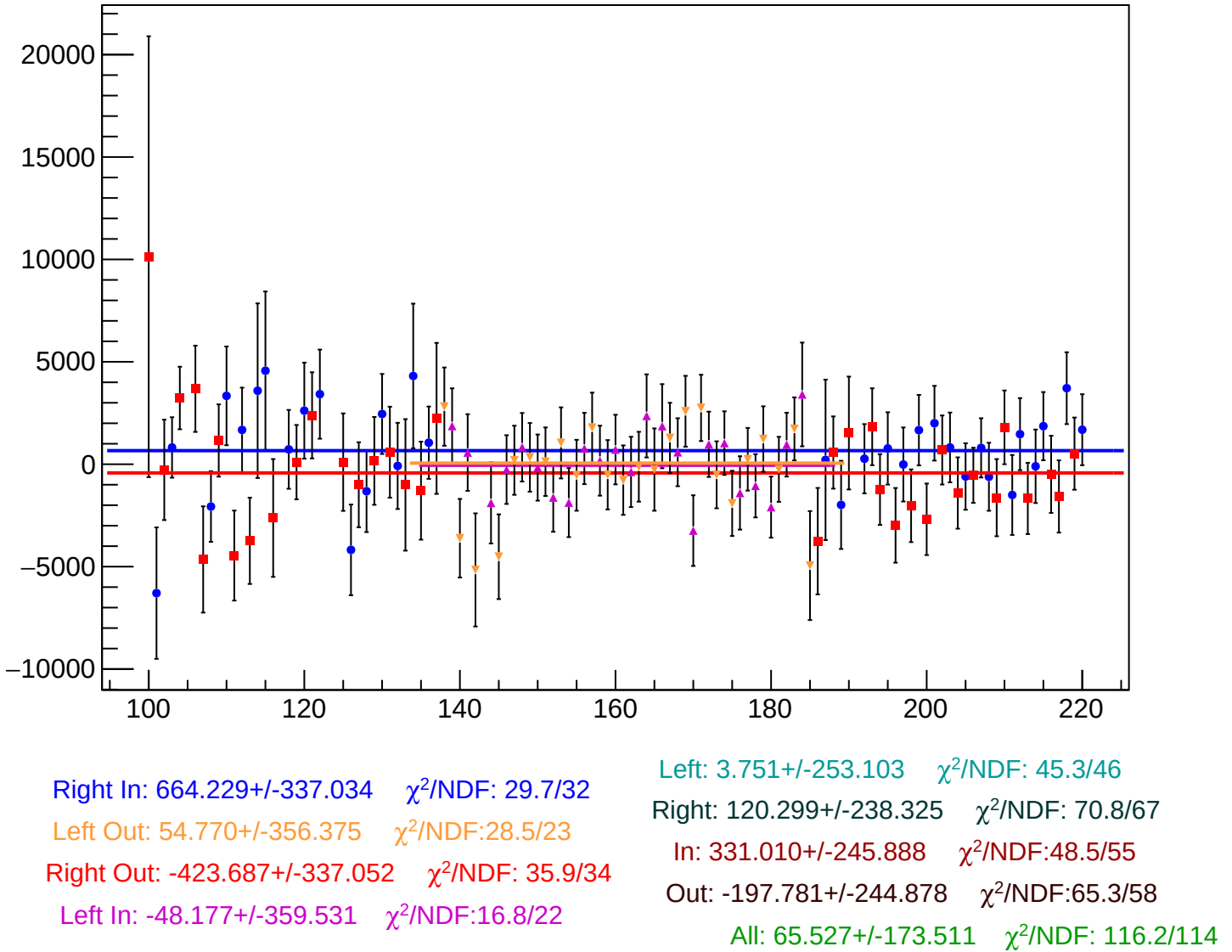
Right: 0.000+/-0.000 χ^2/NDF: 73.0/67

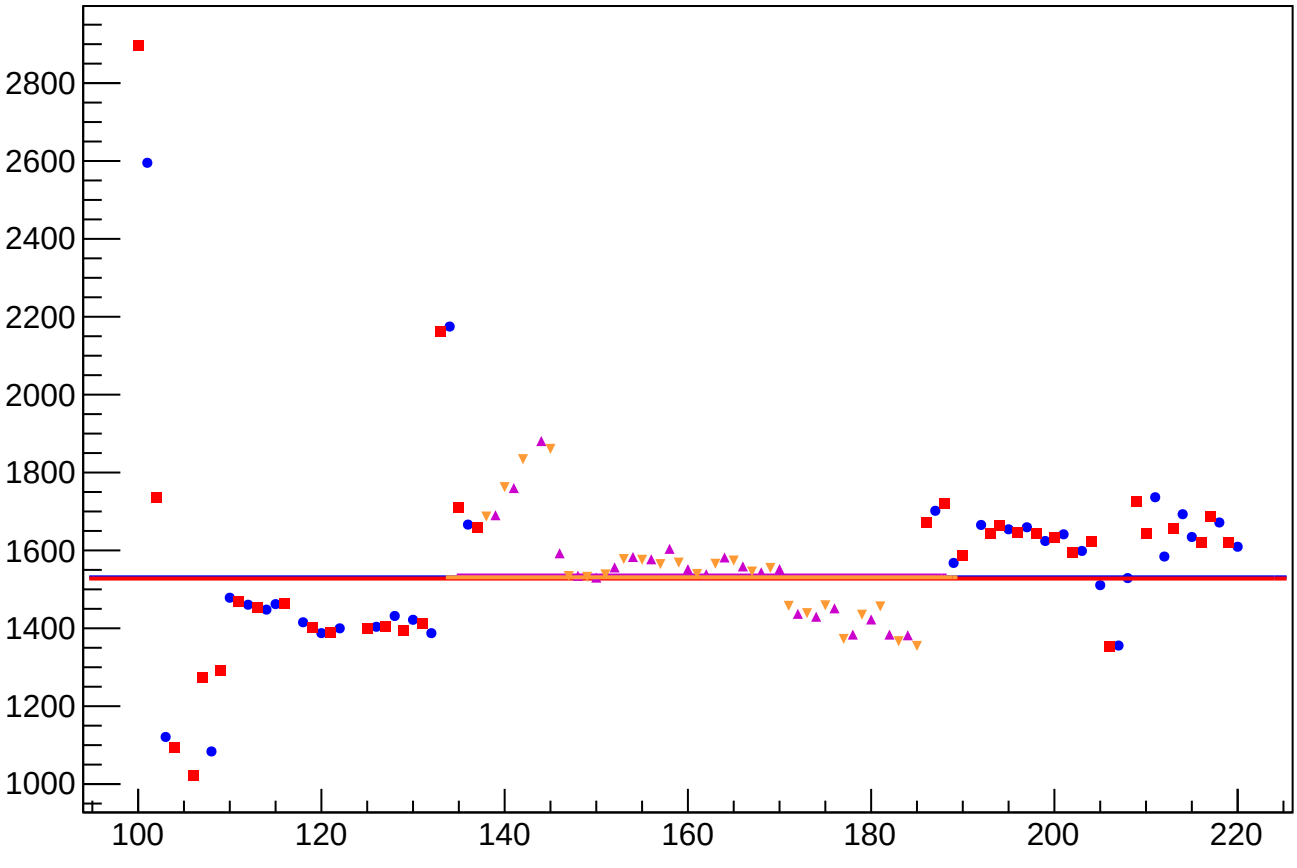
In: 0.000+/-0.000 χ^2/NDF:68.7/55

Out: 0.000+/-0.000 χ^2/NDF:45.7/58

All: 0.000+/-0.000 χ^2/NDF: 114.7/114


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 13817066.6/32
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 11900325.1/34
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
Left: 0.000+/-0.000 χ²/NDF: 6568948.9/46
Right: 0.000+/-0.000 χ²/NDF: 26447951.7/67
In: 0.000+/-0.000 χ²/NDF:20091059.1/55
Out: 0.000+/-0.000 χ²/NDF:24050063.3/58
All: 0.000+/-0.000 χ²/NDF: 44344879.6/114


reg_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 664.229+/-337.034 χ²/NDF: 29.7/32
Left Out: 54.770+/-356.375 χ²/NDF:28.5/23
Right Out: -423.687+/-337.052 χ²/NDF: 35.9/34
Left In: -48.177+/-359.531 χ²/NDF:16.8/22
Left: 3.751+/-253.103 χ²/NDF: 45.3/46
Right: 120.299+/-238.325 χ²/NDF: 70.8/67
In: 331.010+/-245.888 χ²/NDF:48.5/55
Out: -197.781+/-244.878 χ²/NDF:65.3/58
All: 65.527+/-173.511 χ²/NDF: 116.2/114



Right In: 1530.928+/-0.238 χ^2/NDF: 788891.3/32

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1527.739+/-0.238 χ^2/NDF: 706873.0/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

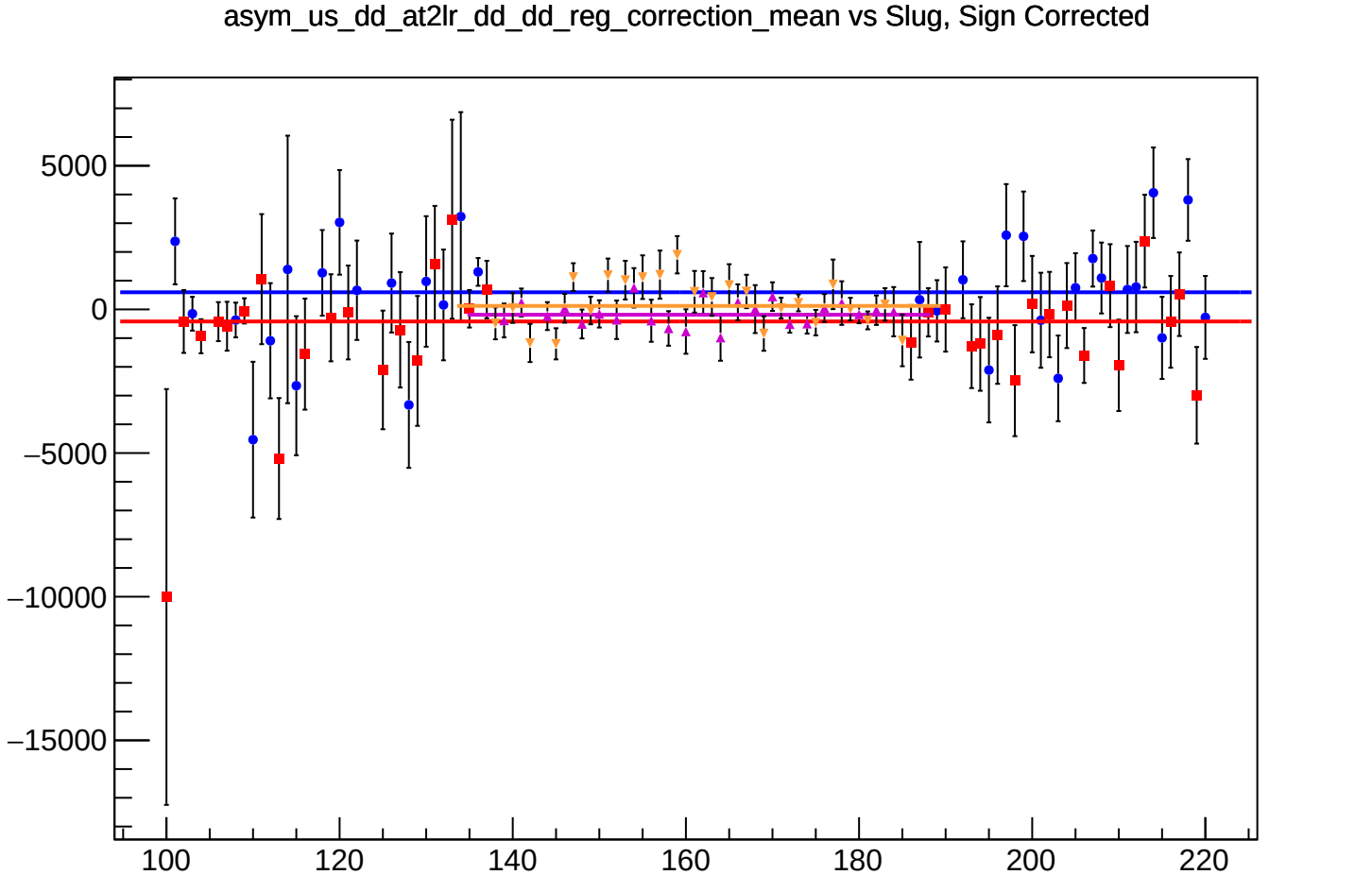
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1529.333+/-0.169 χ^2/NDF: 1495853.7/67

In: 1533.090+/-0.174 χ^2/NDF:981500.0/55

Out: 1529.267+/-0.173 χ^2/NDF:910499.8/58

All: 1531.171+/-0.123 χ^2/NDF: 1892242.5/11



Right In: 596.062+/-214.330 χ^2/NDF: 42.8/32

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -420.401+/-192.191 χ^2/NDF: 25.6/34

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

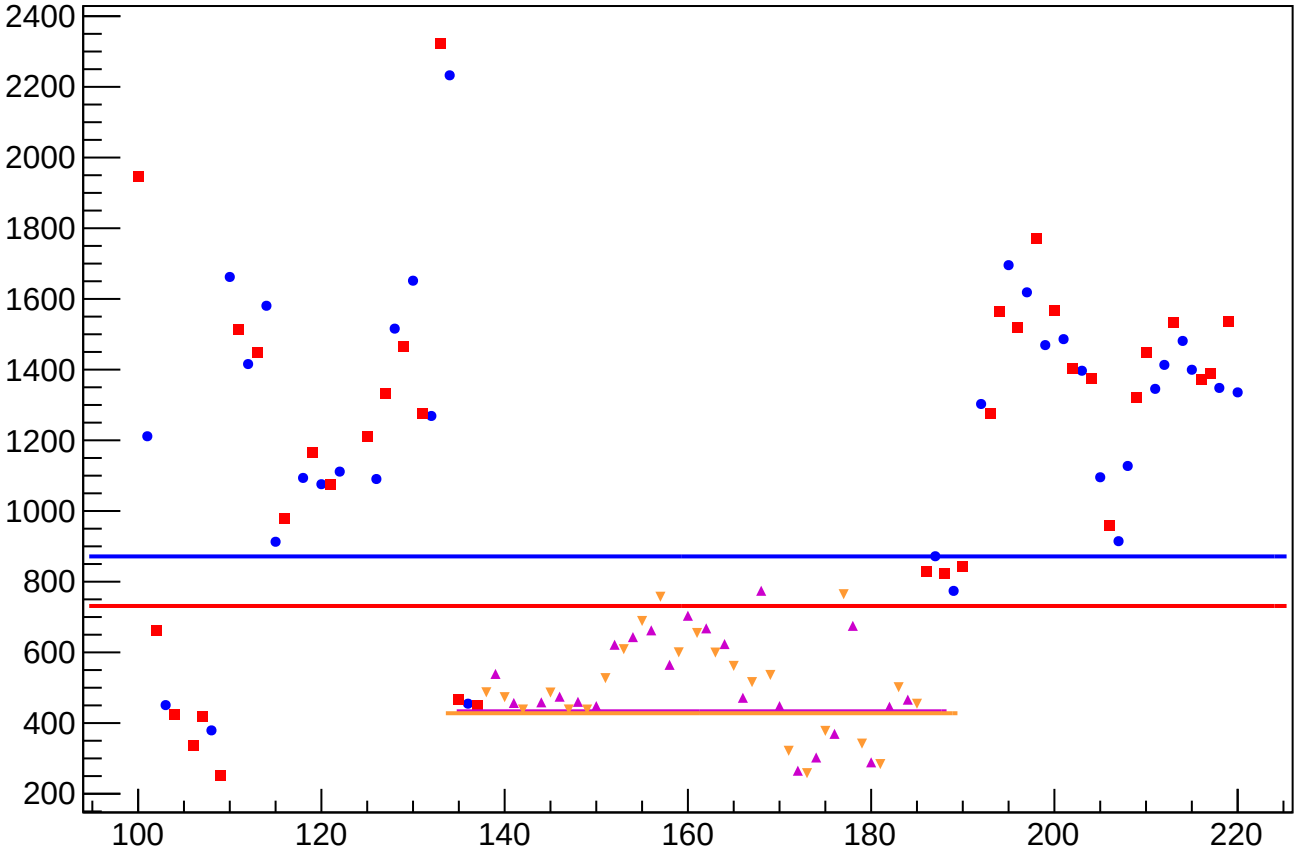
Right: 32.639+/-143.089 χ^2/NDF: 80.8/67

In: -30.693+/-95.716 χ^2/NDF:65.1/55

Out: -3.307+/-92.185 χ^2/NDF:75.4/58

All: -16.486+/-66.398 χ^2/NDF: 140.5/114

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 871.511+/-0.152 χ^2/NDF: 8623986.4/32

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 731.276+/-0.136 χ^2/NDF: 11944672.6/34

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

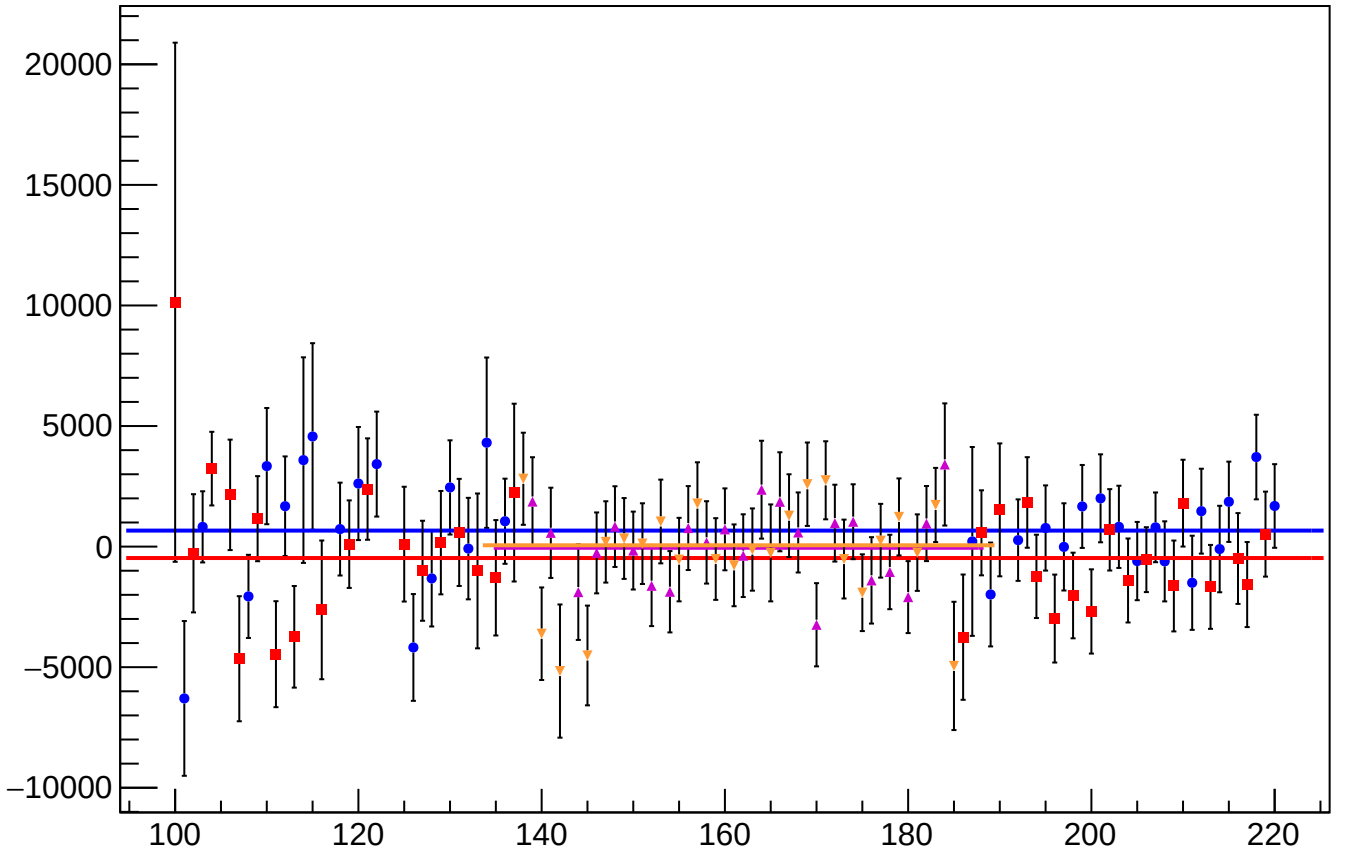
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 793.779+/-0.101 χ^2/NDF: 21043252.7/67

In: 520.681+/-0.068 χ^2/NDF:18565611.6/55

Out: 497.631+/-0.065 χ^2/NDF:18971861.5/58

All: 508.723+/-0.047 χ^2/NDF: 37597642.5/11



Right In: 664.258+/-337.034 χ^2/NDF: 29.7/32

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -473.587+/-337.722 χ^2/NDF: 33.3/34

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

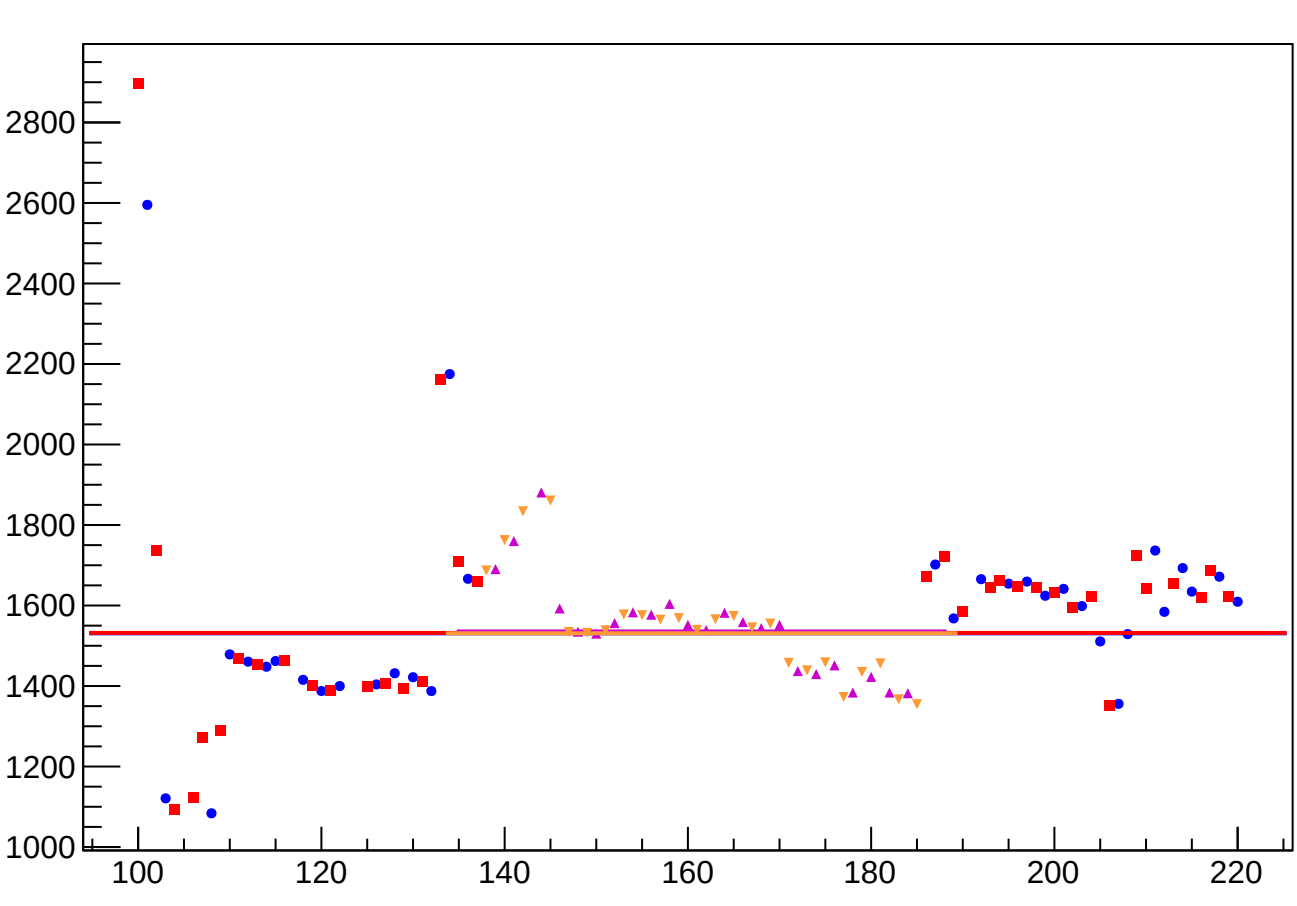
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 96.495+/-238.562 χ^2/NDF: 68.7/67

In: 330.988+/-245.888 χ^2/NDF:48.5/55

Out: -223.614+/-245.135 χ^2/NDF:63.0/58

All: 52.836+/-173.602 χ^2/NDF: 114.0/114



Right In: 1530.928+/-0.238 χ^2/NDF: 788891.7/32

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

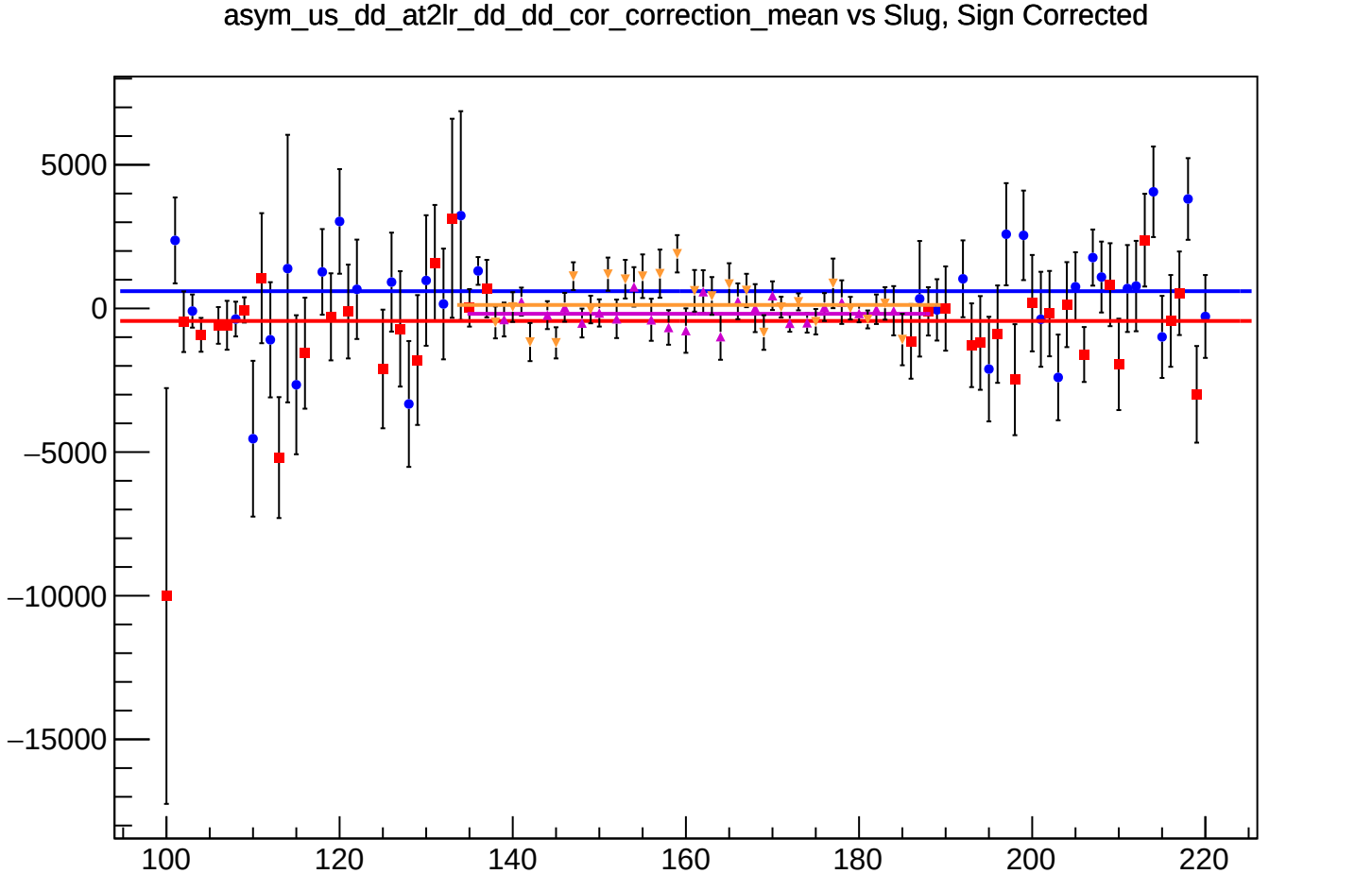
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1531.416+/-0.169 χ^2/NDF: 1443218.4/67

In: 1533.090+/-0.174 χ^2/NDF:981500.3/55

Out: 1531.466+/-0.173 χ^2/NDF:857865.2/58

All: 1532.276+/-0.123 χ^2/NDF: 1839409.3/11



Right In: 600.469+/-213.775 χ^2/NDF: 42.6/32

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -435.692+/-190.855 χ^2/NDF: 25.6/34

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

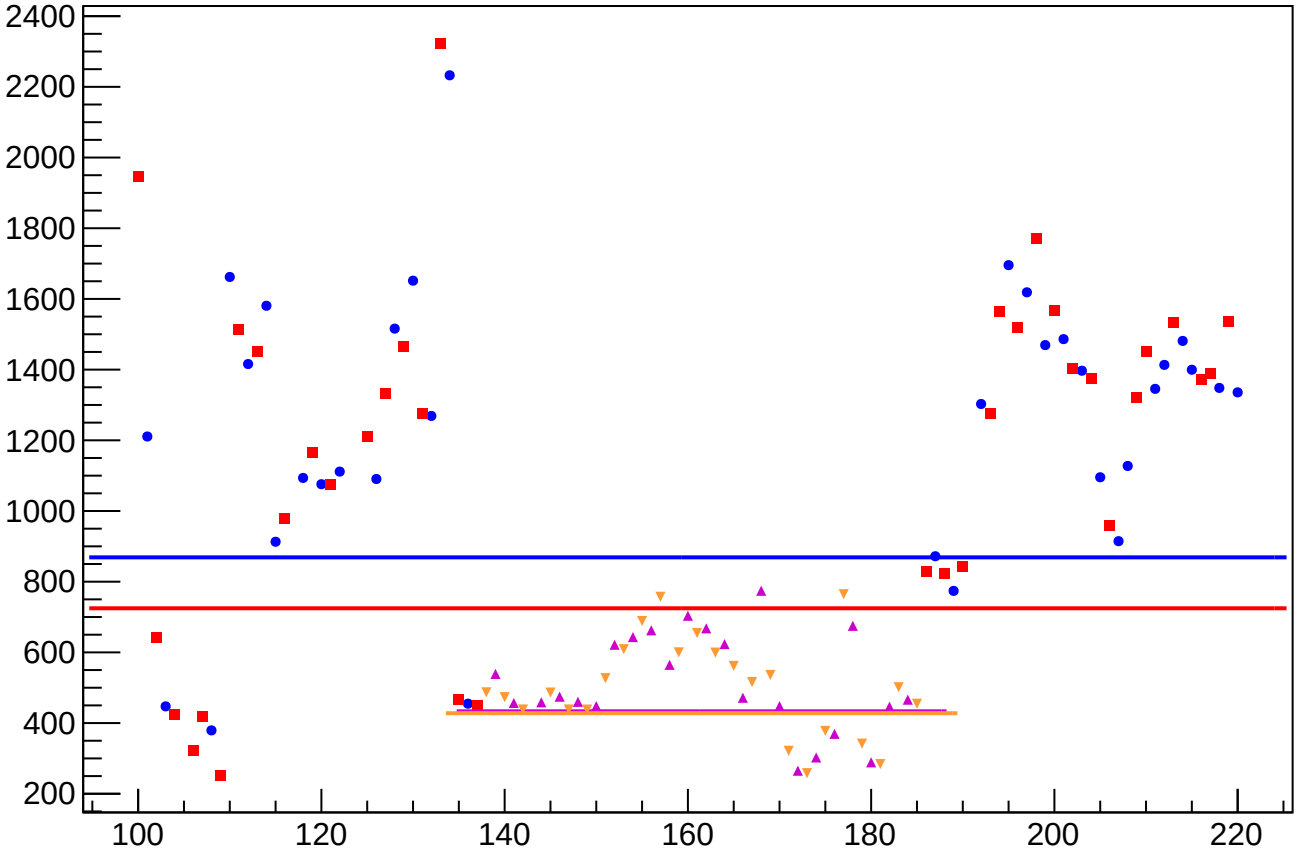
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: 23.884+/-142.371 χ^2/NDF: 81.3/67

In: -29.329+/-95.666 χ^2/NDF:65.0/55

Out: -8.209+/-92.037 χ^2/NDF:75.8/58

All: -18.361+/-66.326 χ^2/NDF: 140.9/114



Right In: 868.847+/-0.151 χ^2/NDF: 8681425.9/32

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

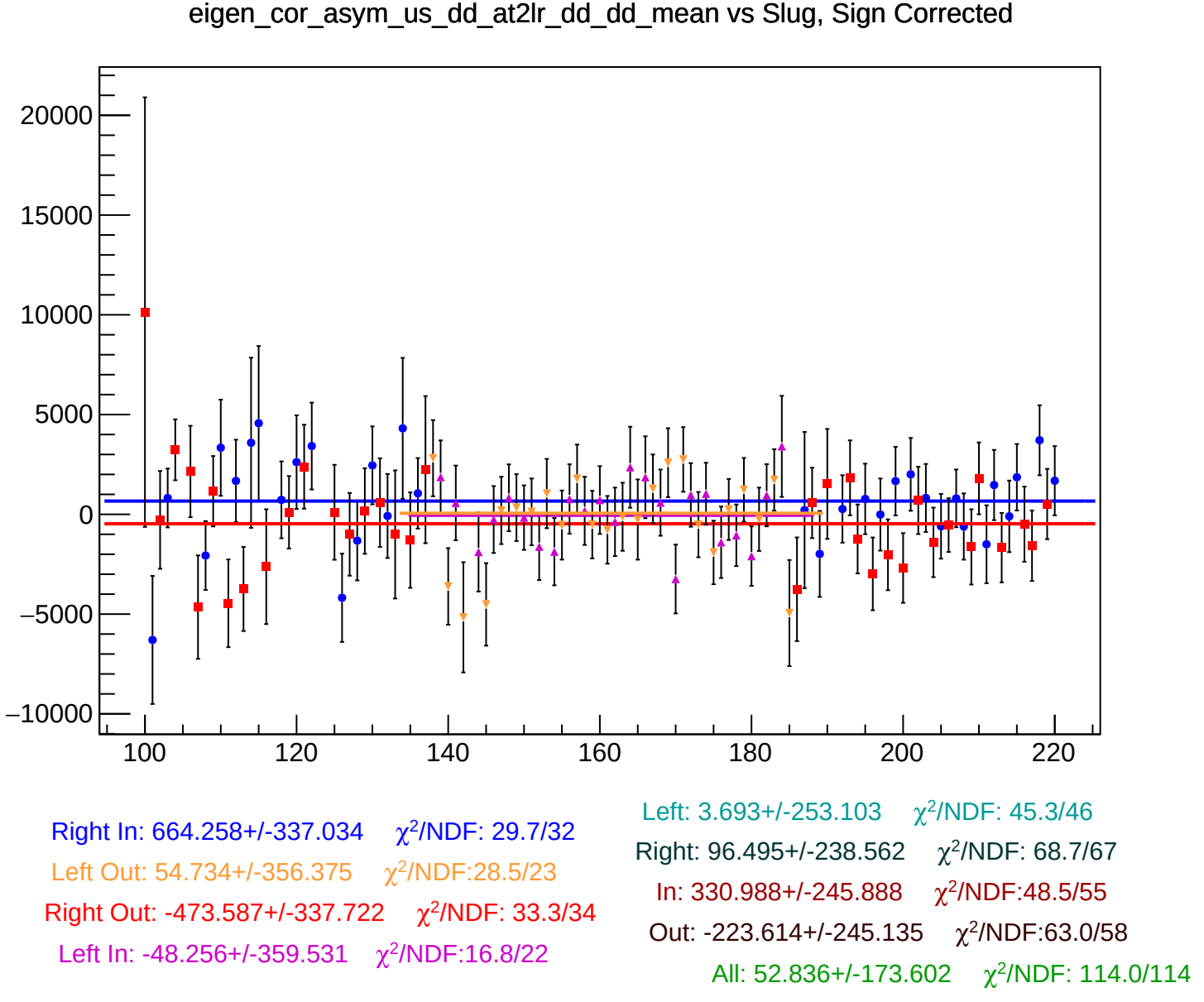
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

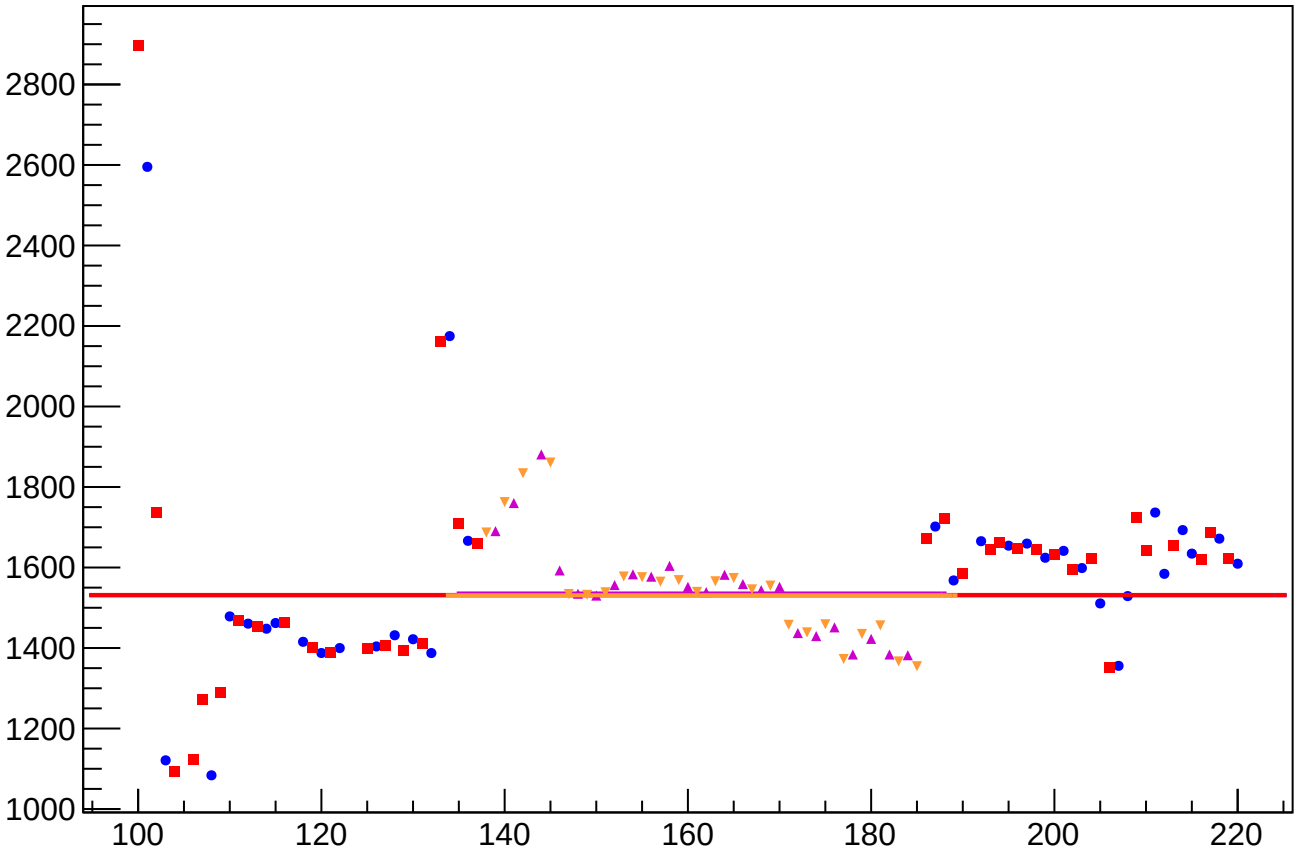
Right: 788.675+/-0.101 χ^2/NDF: 21282954.3/67

In: 520.512+/-0.068 χ^2/NDF:18569213.3/55

Out: 496.872+/-0.065 χ^2/NDF:19000331.7/58

All: 508.235+/-0.047 χ^2/NDF: 37632966.9/11


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 664.258+/-337.034 χ²/NDF: 29.7/32
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -473.587+/-337.722 χ²/NDF: 33.3/34
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 96.495+/-238.562 χ²/NDF: 68.7/67
In: 330.988+/-245.888 χ²/NDF:48.5/55
Out: -223.614+/-245.135 χ²/NDF:63.0/58
All: 52.836+/-173.602 χ²/NDF: 114.0/114



Right In: 1530.928+/-0.238 χ^2/NDF: 788891.7/32

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

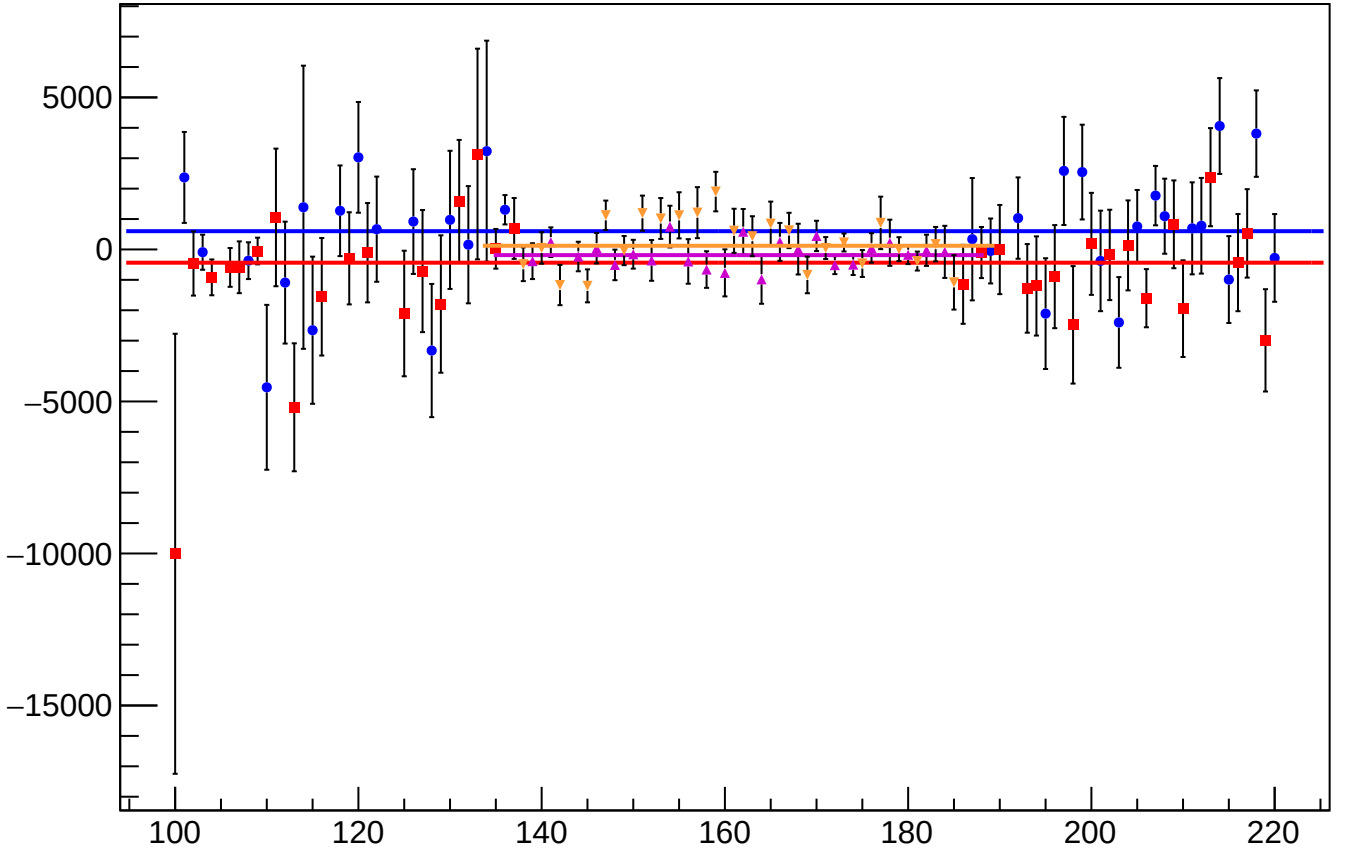
Right: 1531.416+/-0.169 χ^2/NDF: 1443218.4/67

In: 1533.090+/-0.174 χ^2/NDF:981500.3/55

Out: 1531.466+/-0.173 χ^2/NDF:857865.2/58

All: 1532.276+/-0.123 χ^2/NDF: 1839409.3/11

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.469+/-213.775 χ^2/NDF: 42.6/32

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -435.692+/-190.855 χ^2/NDF: 25.6/34

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

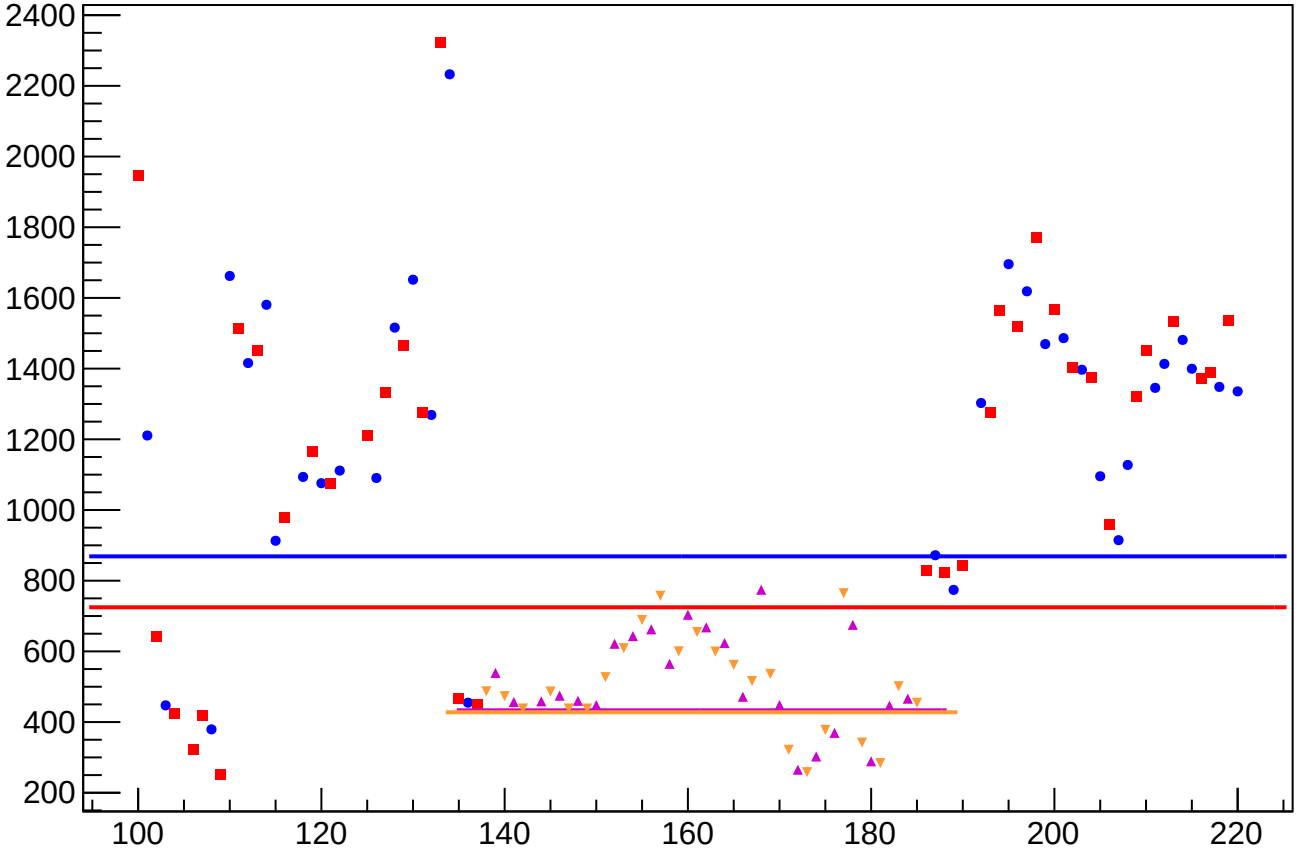
Right: 23.884+/-142.371 χ^2/NDF: 81.3/67

In: -29.329+/-95.666 χ^2/NDF:65.0/55

Out: -8.209+/-92.037 χ^2/NDF:75.8/58

All: -18.361+/-66.326 χ^2/NDF: 140.9/114

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 868.847+/-0.151 χ^2/NDF: 8681425.9/32

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

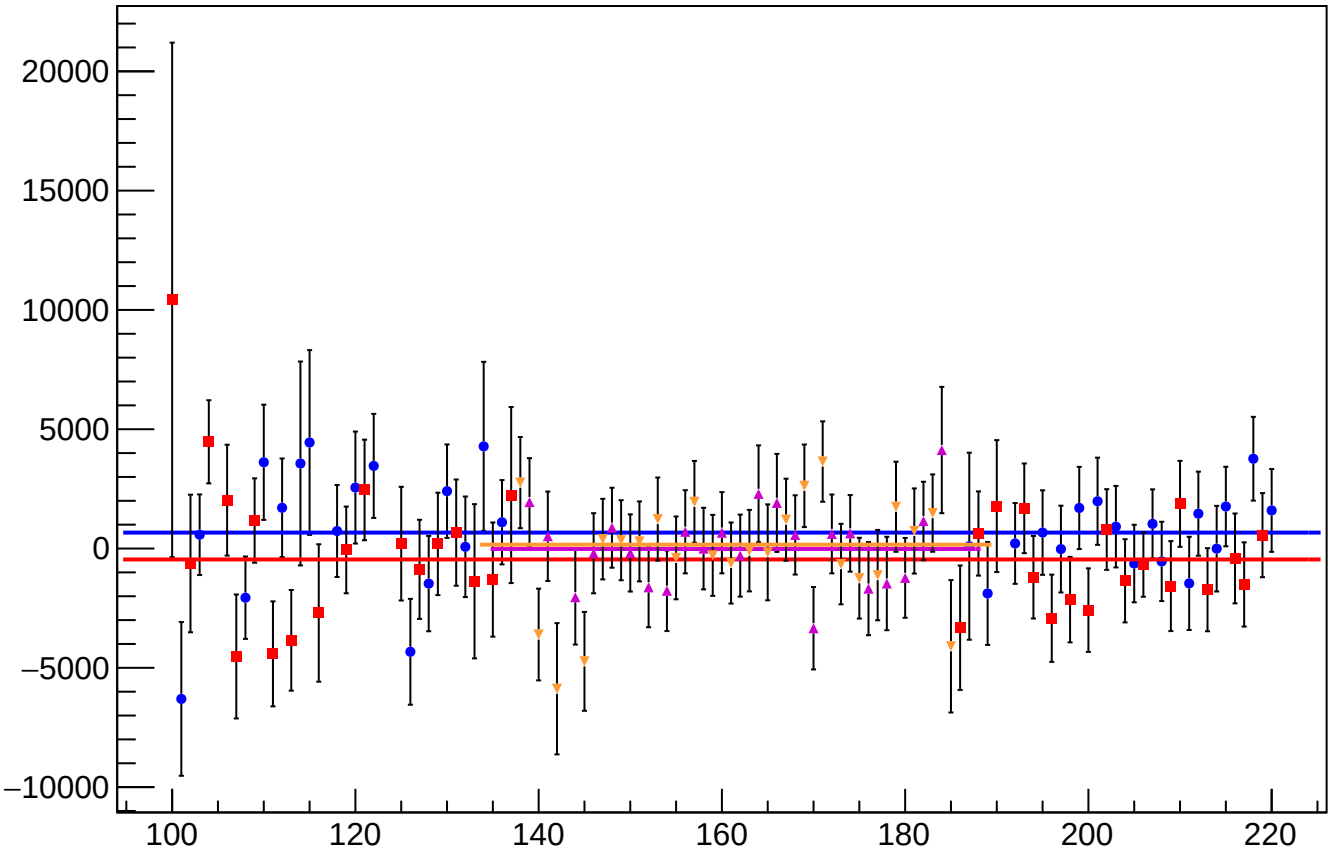
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 788.675+/-0.101 χ^2/NDF: 21282954.3/67

In: 520.512+/-0.068 χ^2/NDF:18569213.3/55

Out: 496.872+/-0.065 χ^2/NDF:19000331.7/58

All: 508.235+/-0.047 χ^2/NDF: 37632966.9/11



Right In: 667.557+/-339.616 χ^2/NDF: 29.9/32

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -458.023+/-341.256 χ^2/NDF: 35.0/34

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

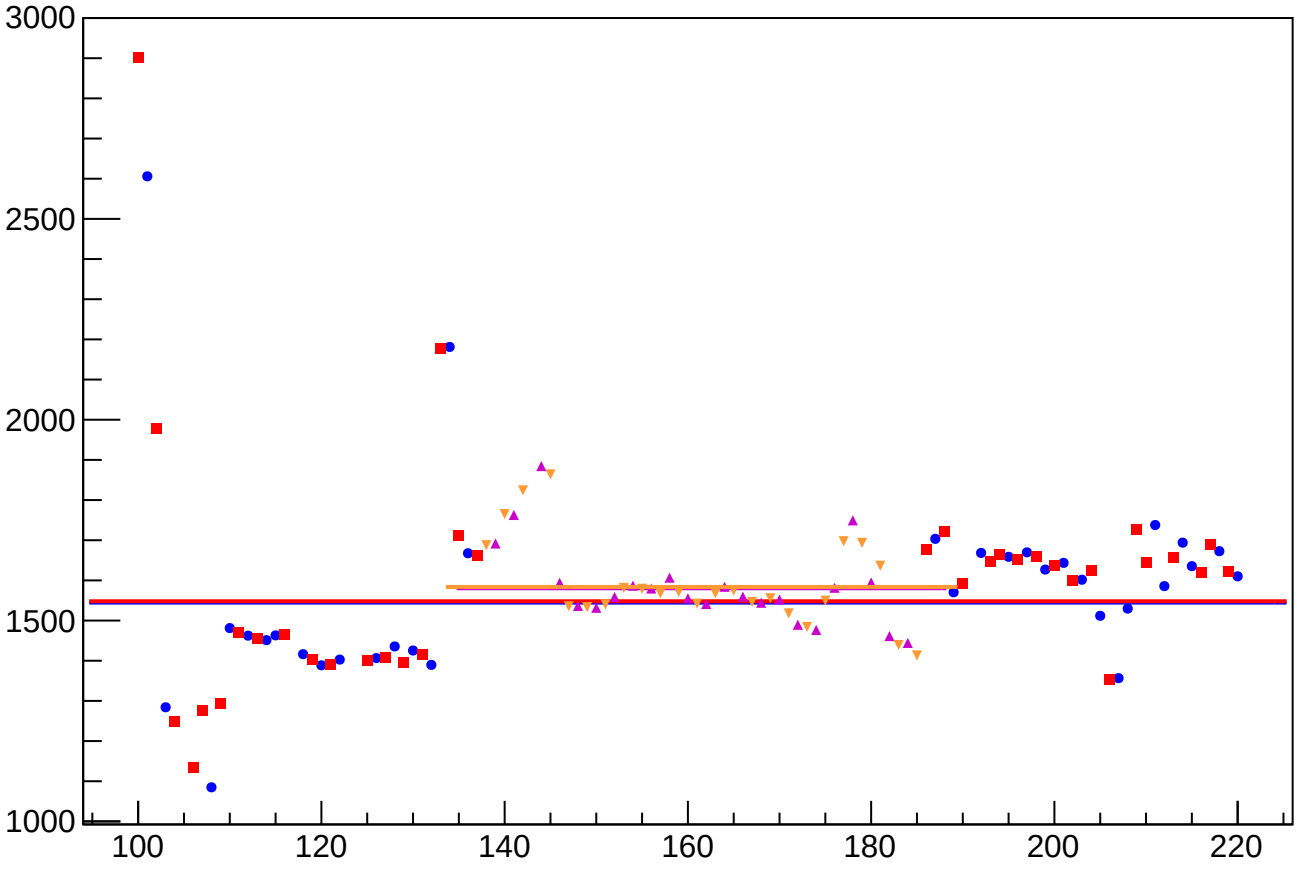
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 107.478+/-240.722 χ^2/NDF: 70.4/67

In: 352.846+/-250.130 χ^2/NDF:47.8/55

Out: -171.853+/-250.340 χ^2/NDF:66.5/58

All: 90.717+/-176.943 χ^2/NDF: 116.5/114



Right In: 1544.741+/-0.240 χ^2/NDF: 678588.1/32

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

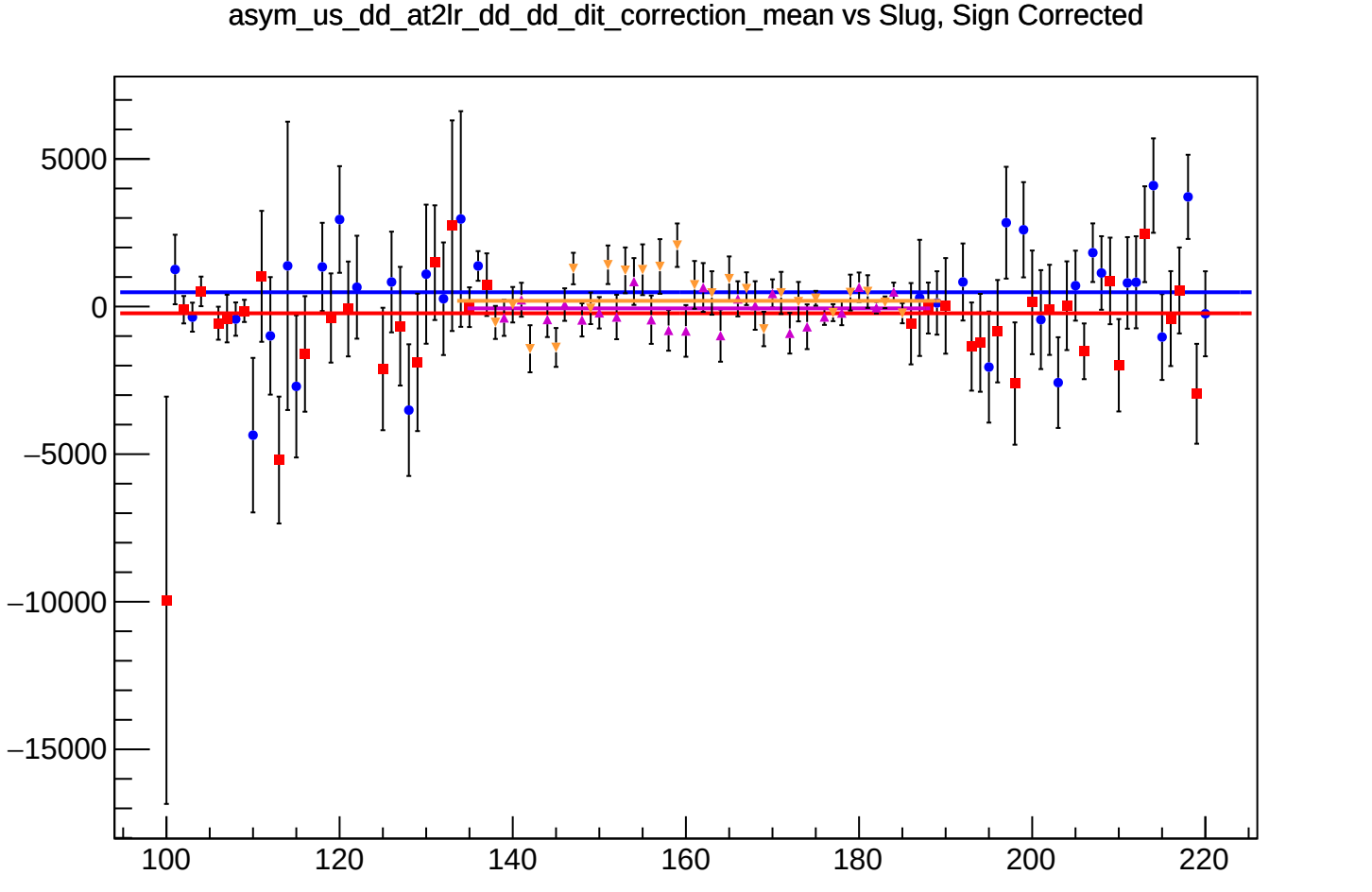
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1546.393+/-0.170 χ^2/NDF: 1250701.5/67

In: 1561.086+/-0.177 χ^2/NDF:814458.6/55

Out: 1564.508+/-0.177 χ^2/NDF:715661.4/58

All: 1562.796+/-0.125 χ^2/NDF: 1530307.0/11



Right In: 484.445+/-207.596 χ^2/NDF: 44.2/32

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -228.116+/-170.360 χ^2/NDF: 26.6/34

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

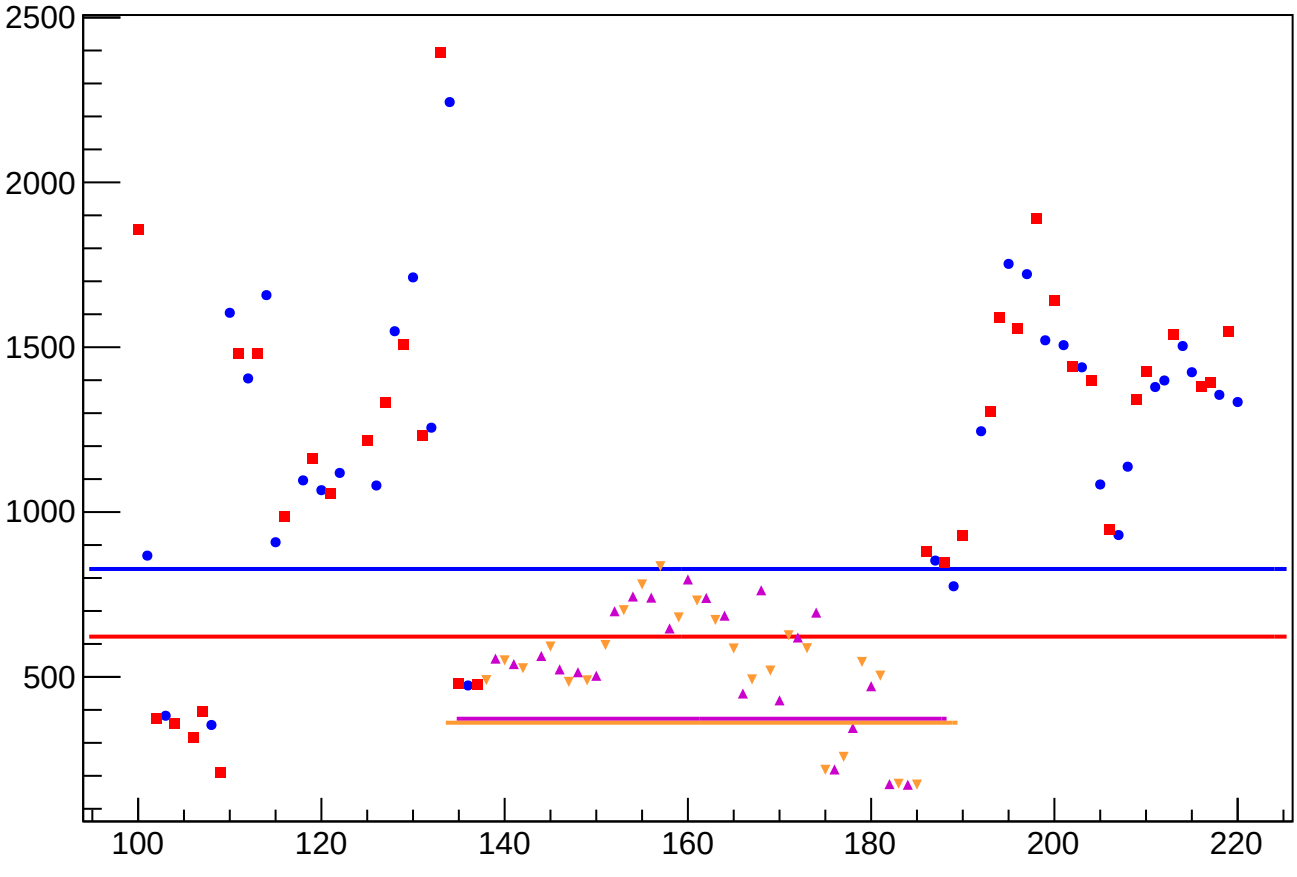
Right: 58.639+/-131.693 χ^2/NDF: 77.8/67

In: 40.296+/-89.885 χ^2/NDF:66.9/55

Out: 91.909+/-83.565 χ^2/NDF:71.3/58

All: 67.981+/-61.202 χ^2/NDF: 138.3/114

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 827.374+/-0.147 χ^2/NDF: 9666714.6/32

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 622.213+/-0.120 χ^2/NDF: 14910796.2/34

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

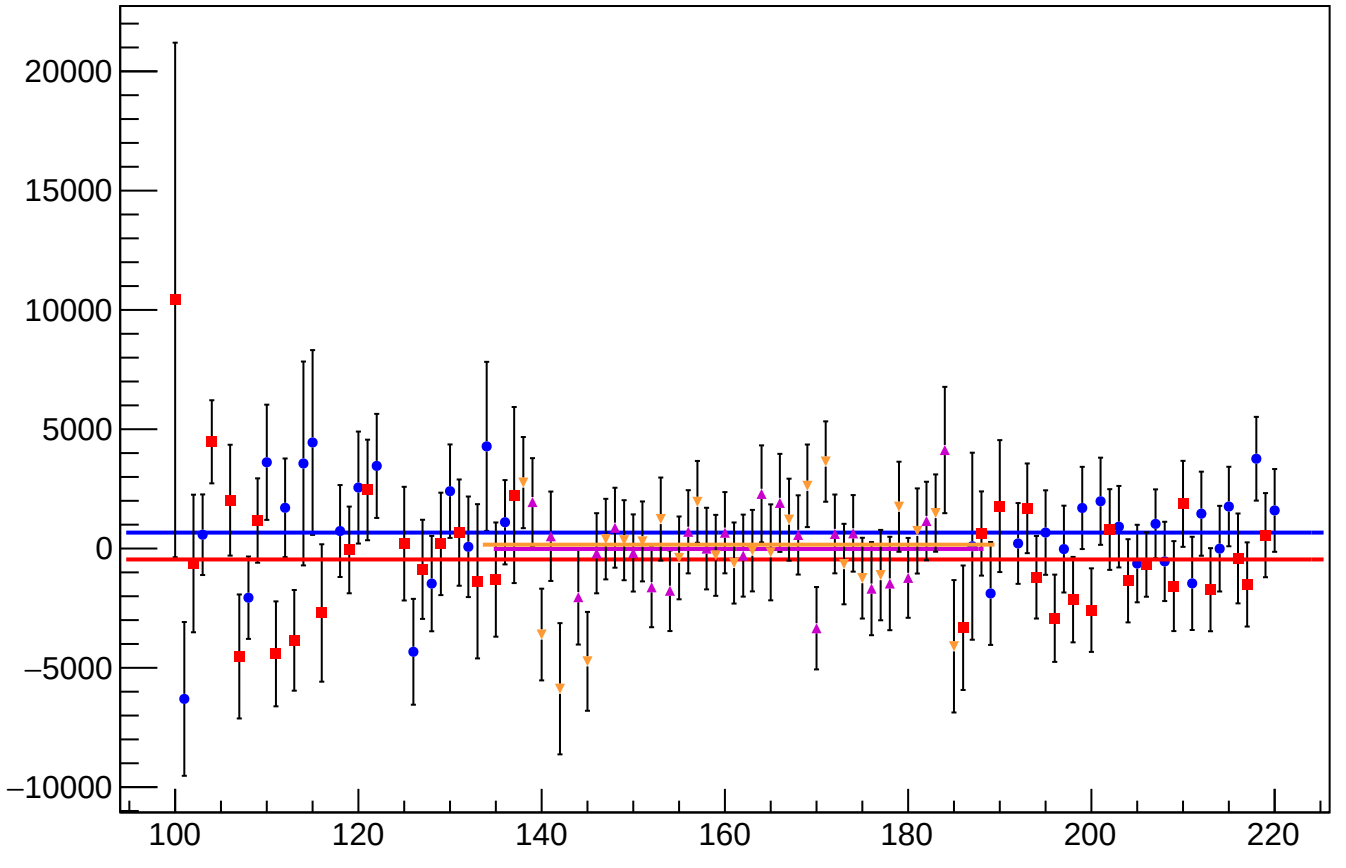
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

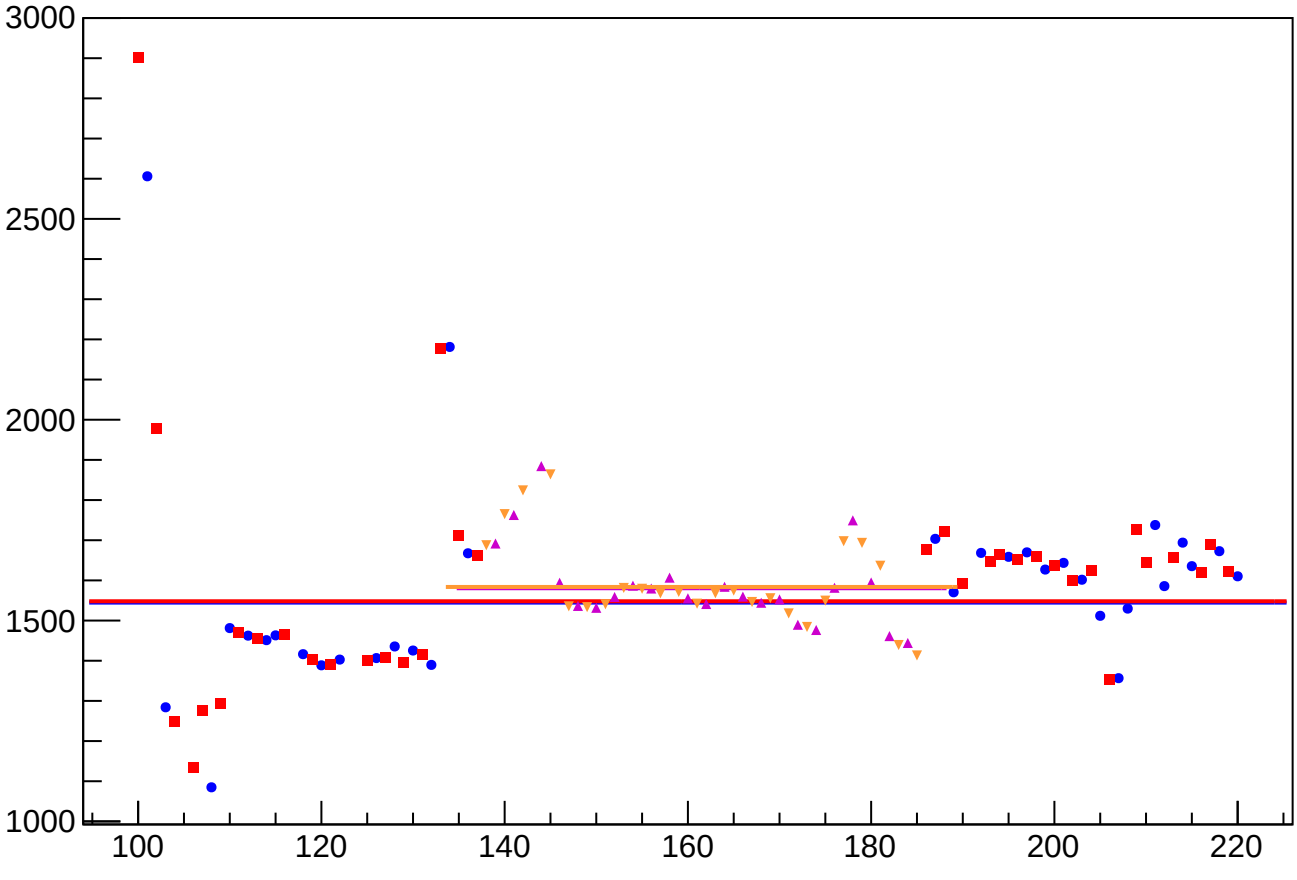
Right: 704.776+/-0.093 χ^2/NDF: 25744788.8/67

In: 458.297+/-0.064 χ^2/NDF:25654262.7/55

Out: 423.926+/-0.059 χ^2/NDF:26661871.0/58

All: 439.860+/-0.043 χ^2/NDF: 52473001.0/11


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 667.549+/-339.616 χ²/NDF: 29.9/32
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: -458.022+/-341.256 χ²/NDF: 35.0/34
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: 107.474+/-240.722 χ²/NDF: 70.4/67
In: 352.843+/-250.130 χ²/NDF:47.8/55
Out: -171.854+/-250.340 χ²/NDF:66.5/58
All: 90.715+/-176.943 χ²/NDF: 116.5/114



Right In: 1544.741+/-0.240 χ^2/NDF: 678587.6/32

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

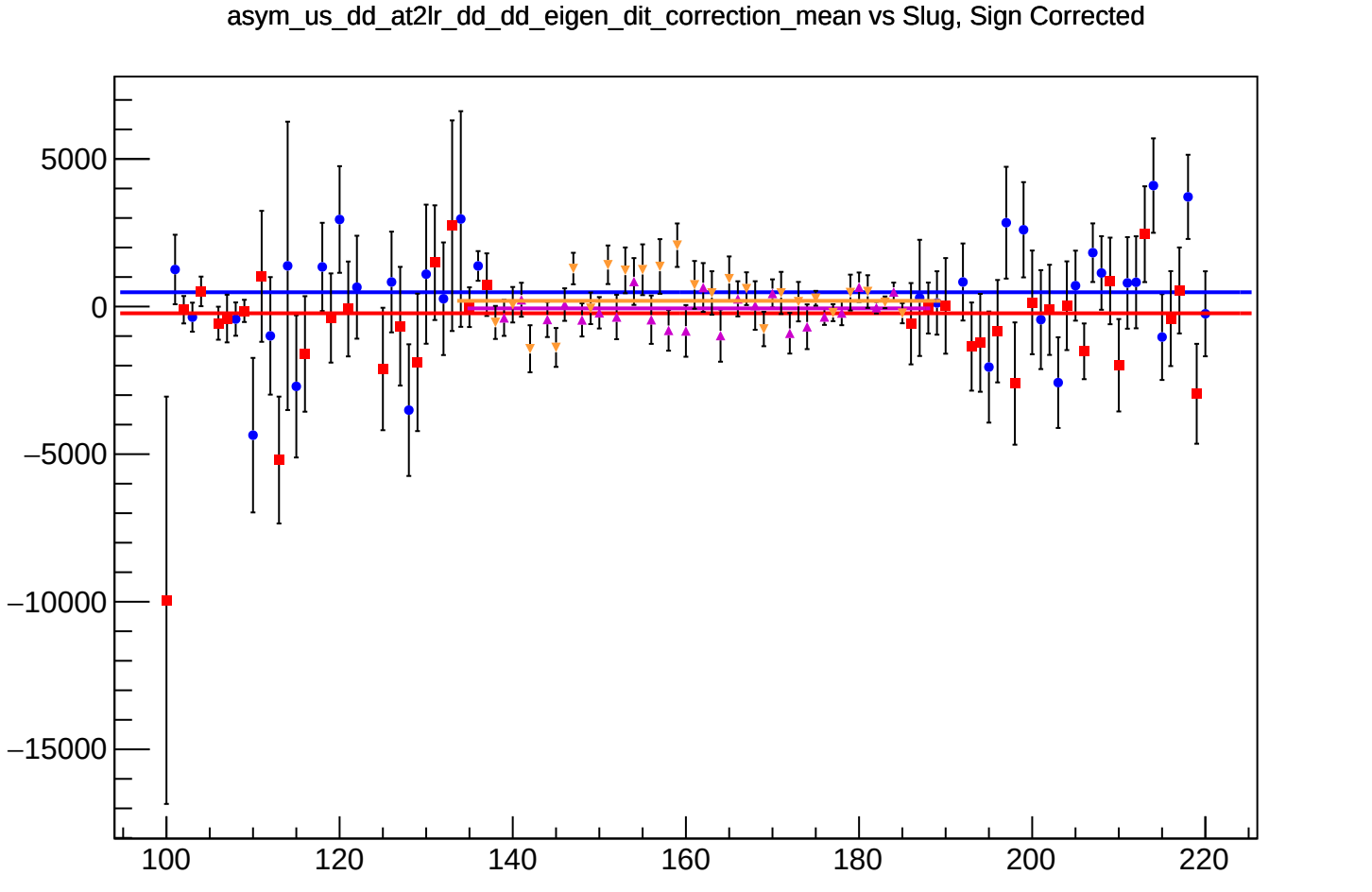
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1546.393+/-0.170 χ^2/NDF: 1250701.0/67

In: 1561.086+/-0.177 χ^2/NDF:814458.0/55

Out: 1564.508+/-0.177 χ^2/NDF:715661.4/58

All: 1562.796+/-0.125 χ^2/NDF: 1530306.4/11



Right In: 484.441+/-207.595 χ^2/NDF: 44.2/32

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -228.115+/-170.361 χ^2/NDF: 26.6/34

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

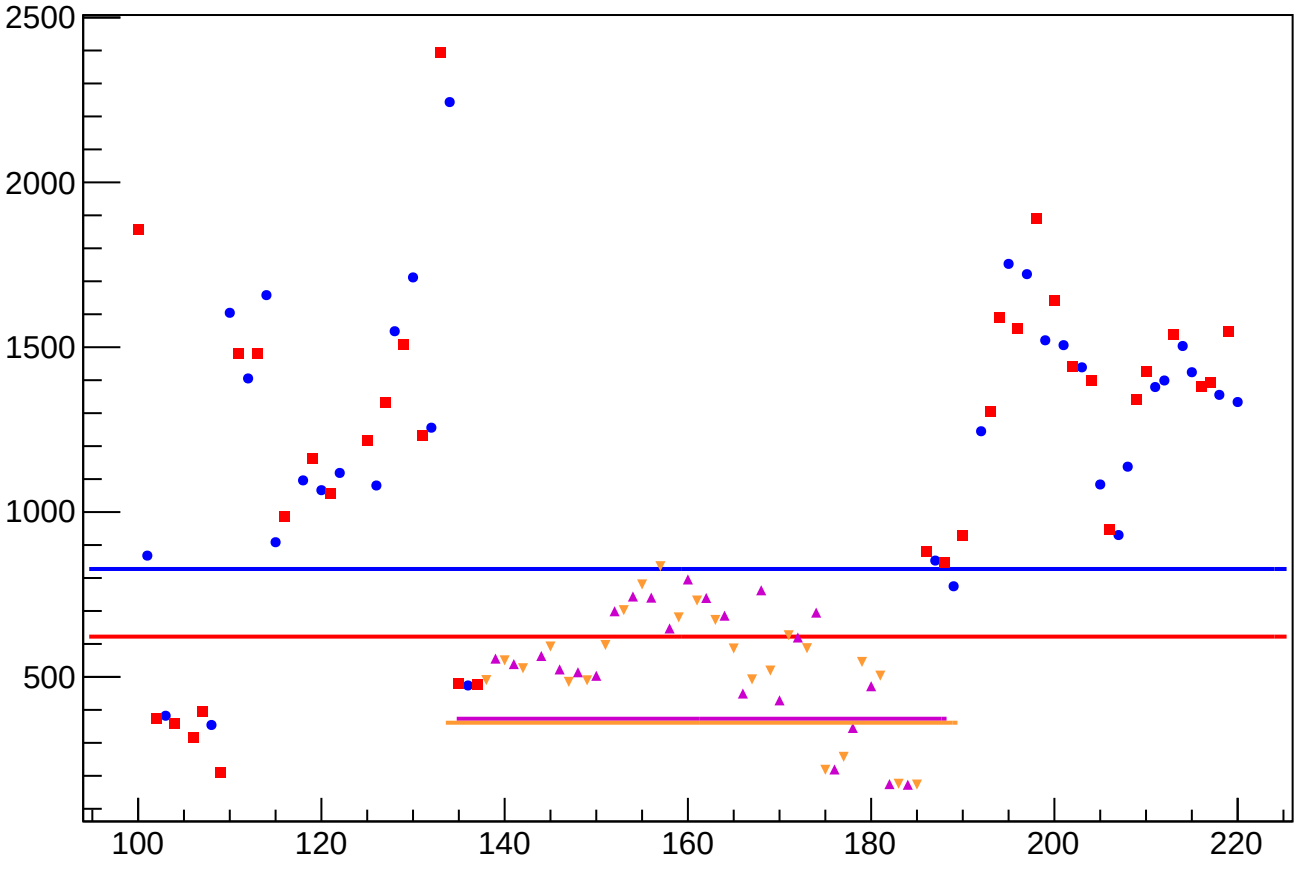
Right: 58.642+/-131.693 χ^2/NDF: 77.8/67

In: 40.298+/-89.886 χ^2/NDF:66.9/55

Out: 91.913+/-83.565 χ^2/NDF:71.3/58

All: 67.984+/-61.202 χ^2/NDF: 138.3/114

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 827.371+/-0.147 χ^2/NDF: 9666713.3/32

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 622.220+/-0.120 χ^2/NDF: 14910586.6/34

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

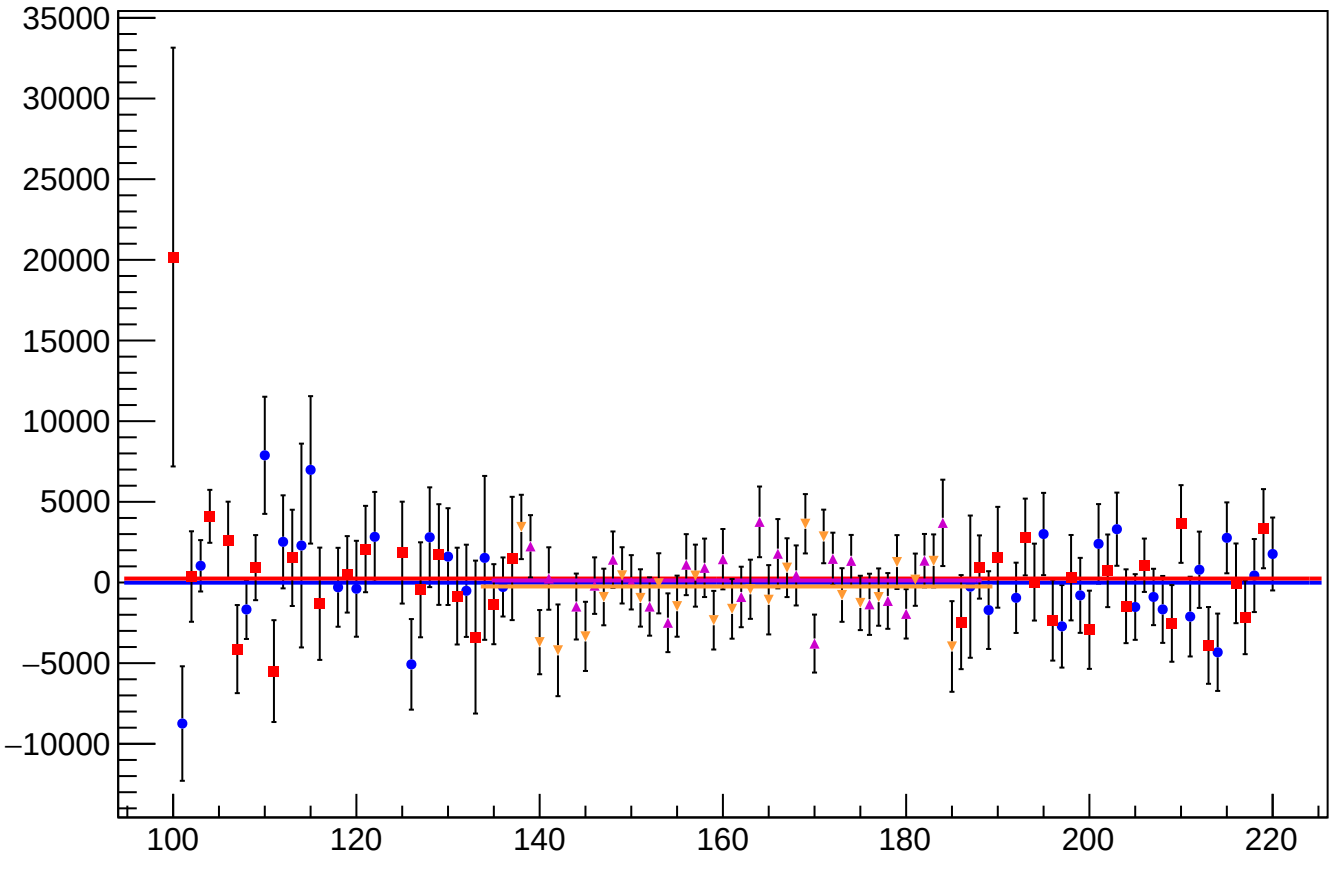
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 704.780+/-0.093 χ^2/NDF: 25744464.4/67

In: 458.302+/-0.064 χ^2/NDF:25653772.0/55

Out: 423.930+/-0.059 χ^2/NDF:26661546.4/58

All: 439.865+/-0.043 χ^2/NDF: 52472188.0/1



Right In: -10.147+/-428.207 χ^2/NDF: 35.1/32

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 244.277+/-426.989 χ^2/NDF: 32.6/34

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

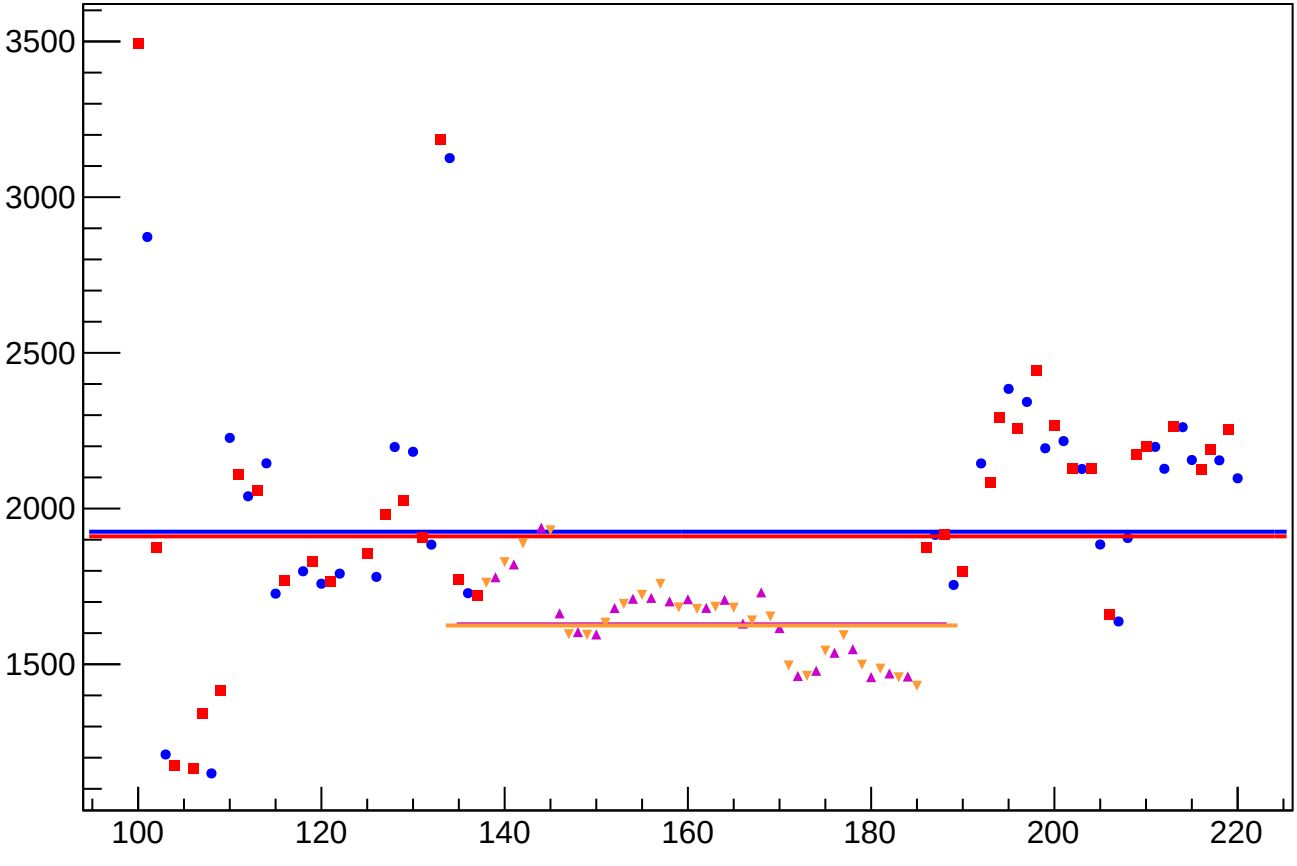
Right: 117.427+/-302.357 χ^2/NDF: 67.8/67

In: 65.852+/-284.768 χ^2/NDF:56.3/55

Out: -31.067+/-283.123 χ^2/NDF:59.4/58

All: 17.112+/-200.777 χ^2/NDF: 115.7/114

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1925.696+/-0.303 χ^2/NDF: 1522165.5/32

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1910.732+/-0.302 χ^2/NDF: 1510538.7/34

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

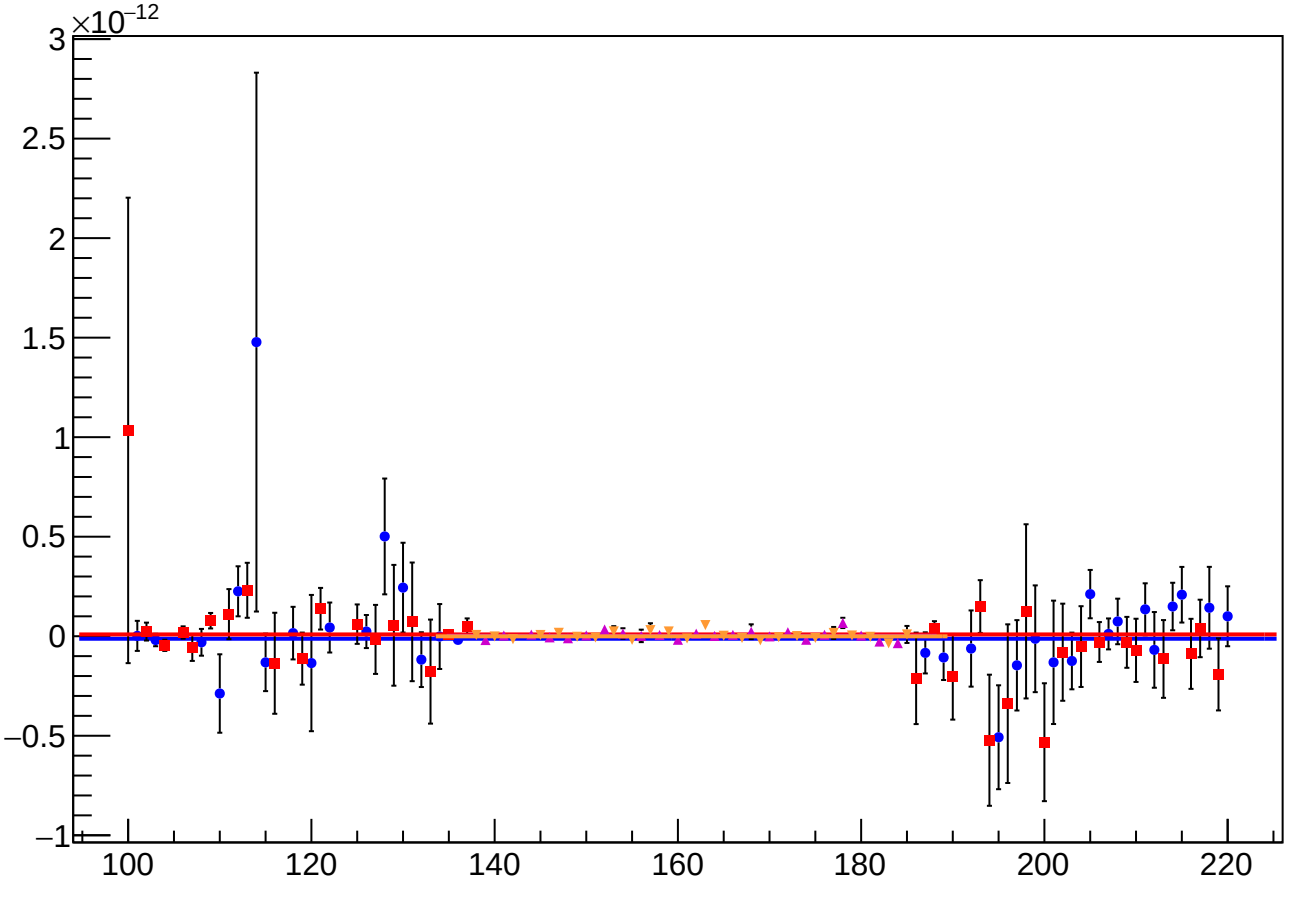
Right: 1918.193+/-0.214 χ^2/NDF: 3033928.8/67

In: 1759.781+/-0.201 χ^2/NDF:2265388.6/55

Out: 1750.409+/-0.200 χ^2/NDF:2220993.5/58

All: 1755.068+/-0.142 χ^2/NDF: 4487471.5/11

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/34

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

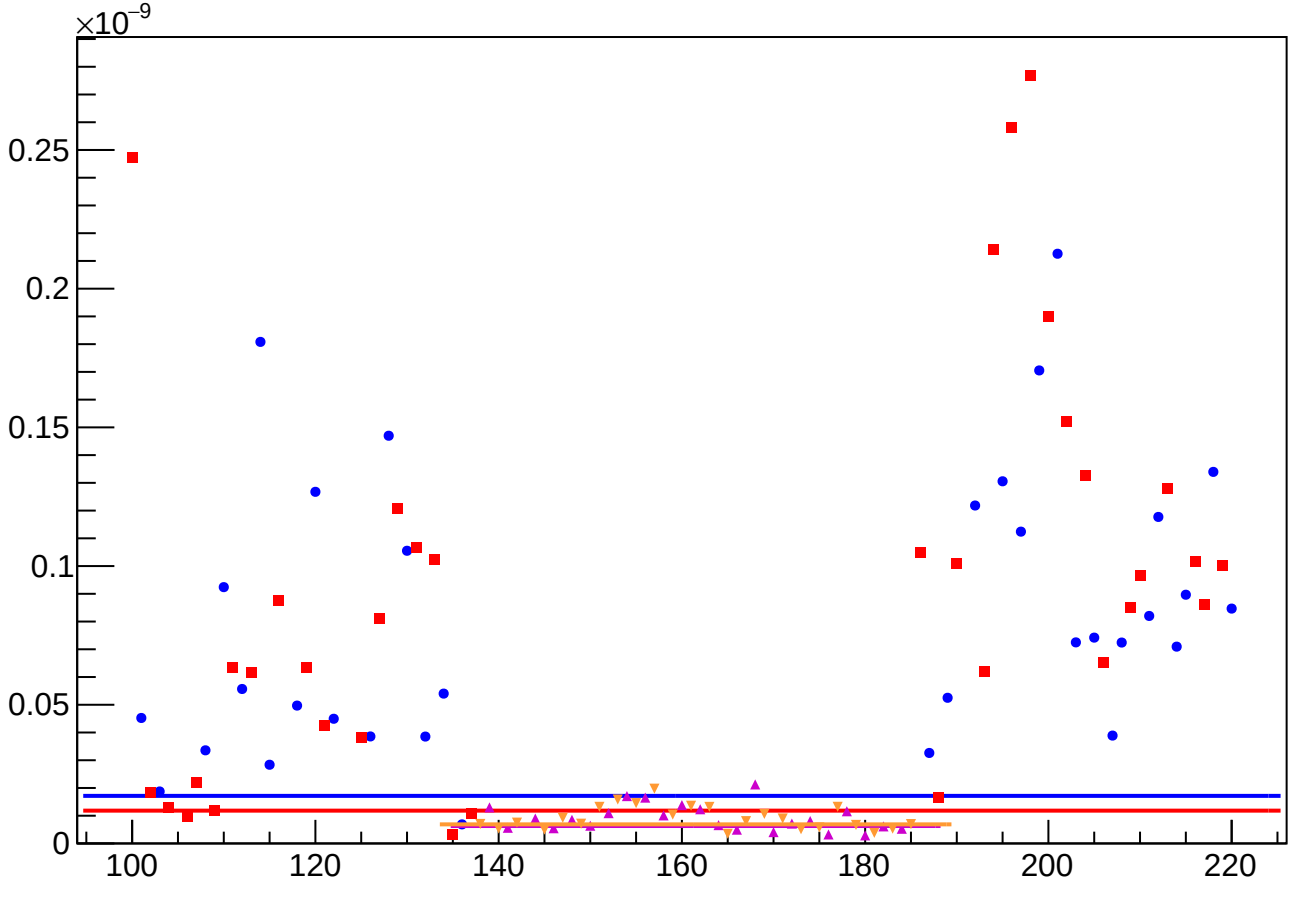
Right: -0.000+/-0.000 χ^2/NDF: 62.7/67

In: 0.000+/-0.000 χ^2/NDF:56.5/55

Out: 0.000+/-0.000 χ^2/NDF:53.4/58

All: 0.000+/-0.000 χ^2/NDF: 109.9/114

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11357925.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13208946.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

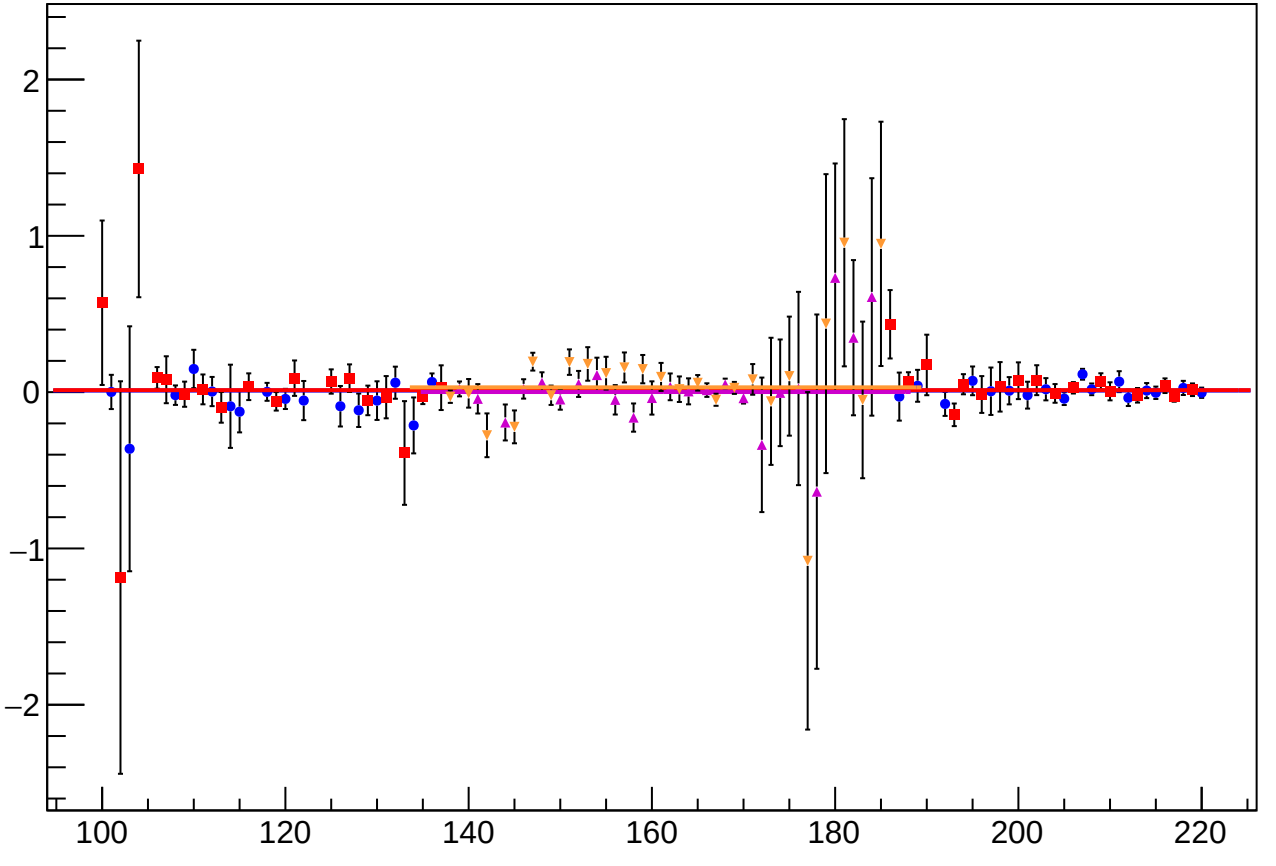
Right: 0.000+/-0.000 χ^2/NDF: 24910016.2/67

In: 0.000+/-0.000 χ^2/NDF:16523125.4/55

Out: 0.000+/-0.000 χ^2/NDF:16096079.6/58

All: 0.000+/-0.000 χ^2/NDF: 32635750.6/114

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 23.5/32

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

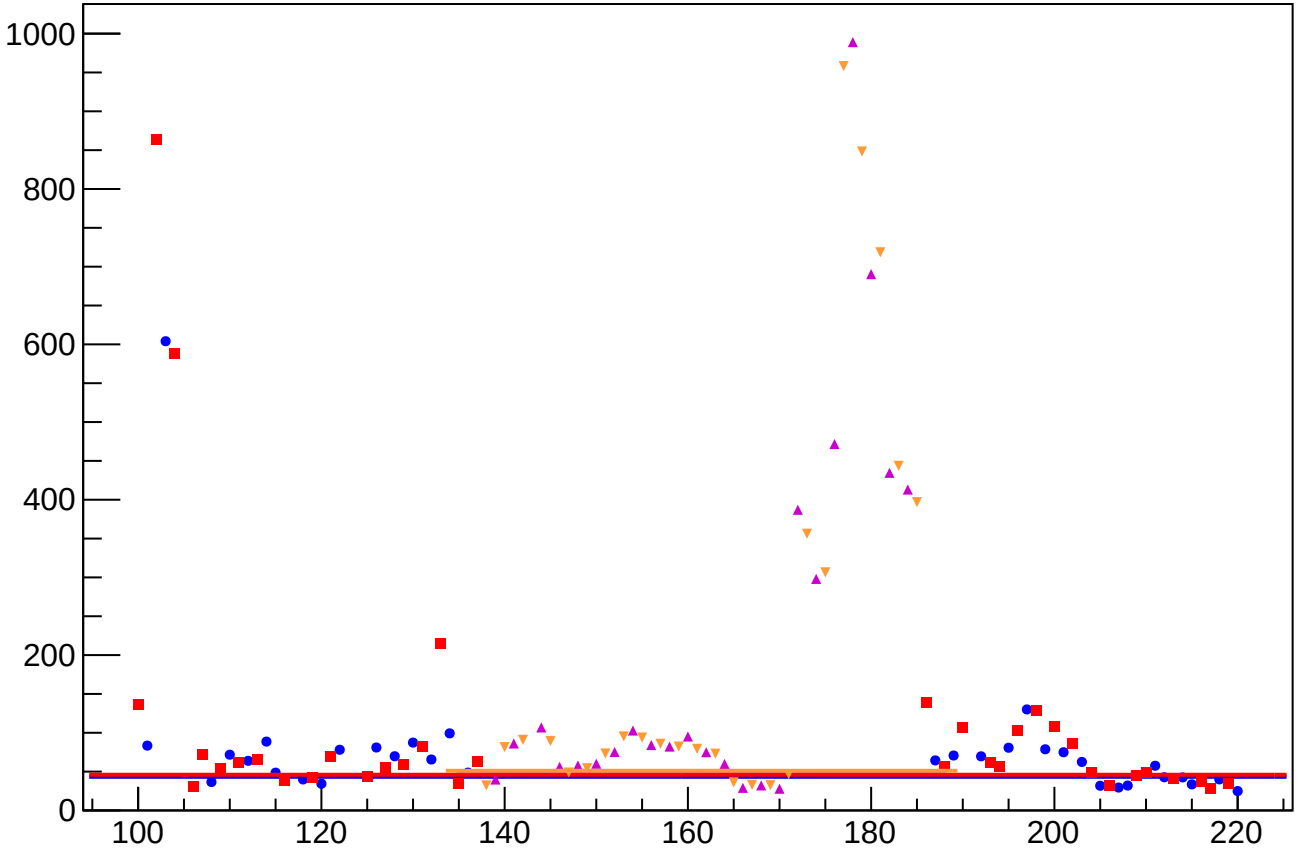
Right: 0.011+/-0.008 χ^2/NDF: 51.9/67

In: 0.007+/-0.009 χ^2/NDF:39.8/55

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.013+/-0.007 χ^2/NDF: 111.4/114

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.338+/-0.008 χ^2/NDF: 6292279.3/32

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

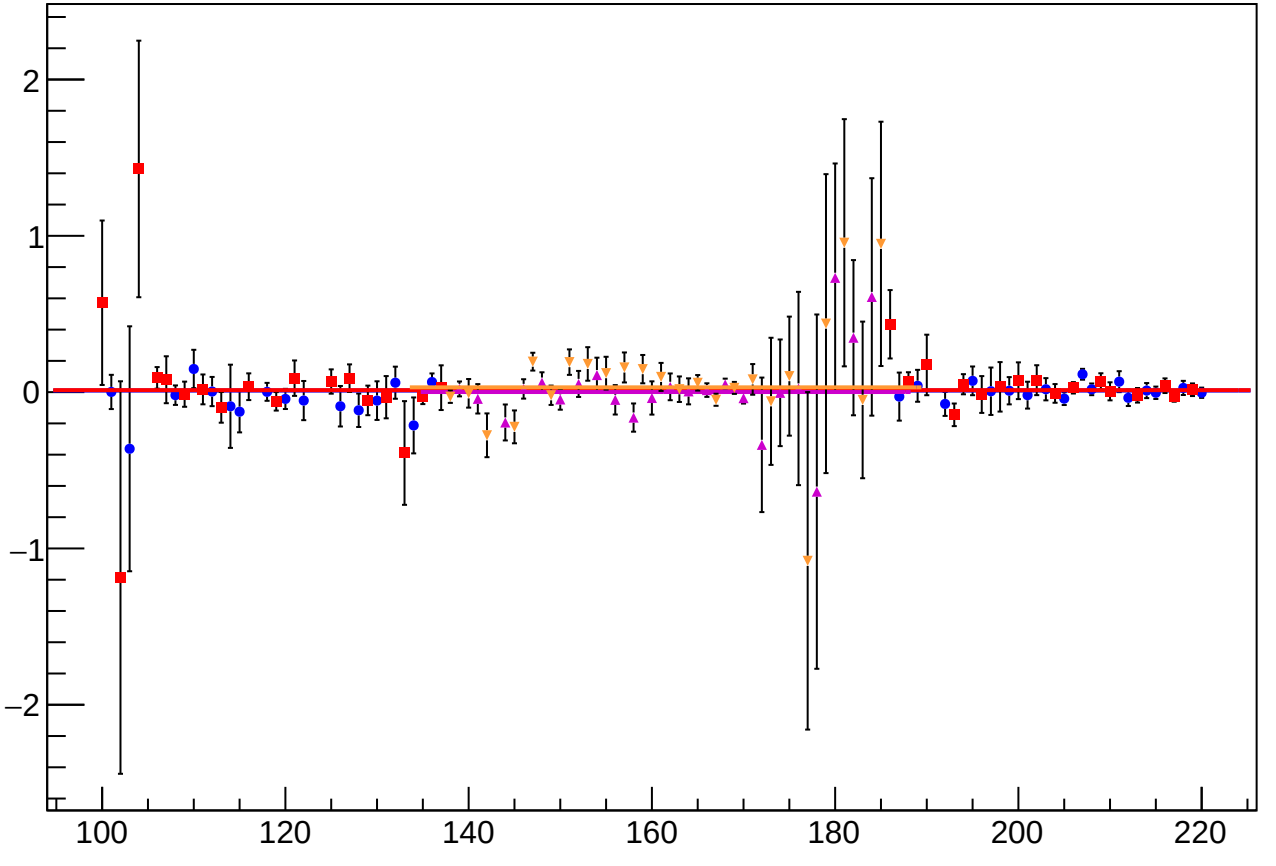
Right: 44.566+/-0.006 χ^2/NDF: 13109772.0/67

In: 45.748+/-0.006 χ^2/NDF:18755352.8/55

Out: 47.859+/-0.007 χ^2/NDF:18640414.8/58

All: 46.756+/-0.005 χ^2/NDF: 37448178.5/114

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 23.5/32

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

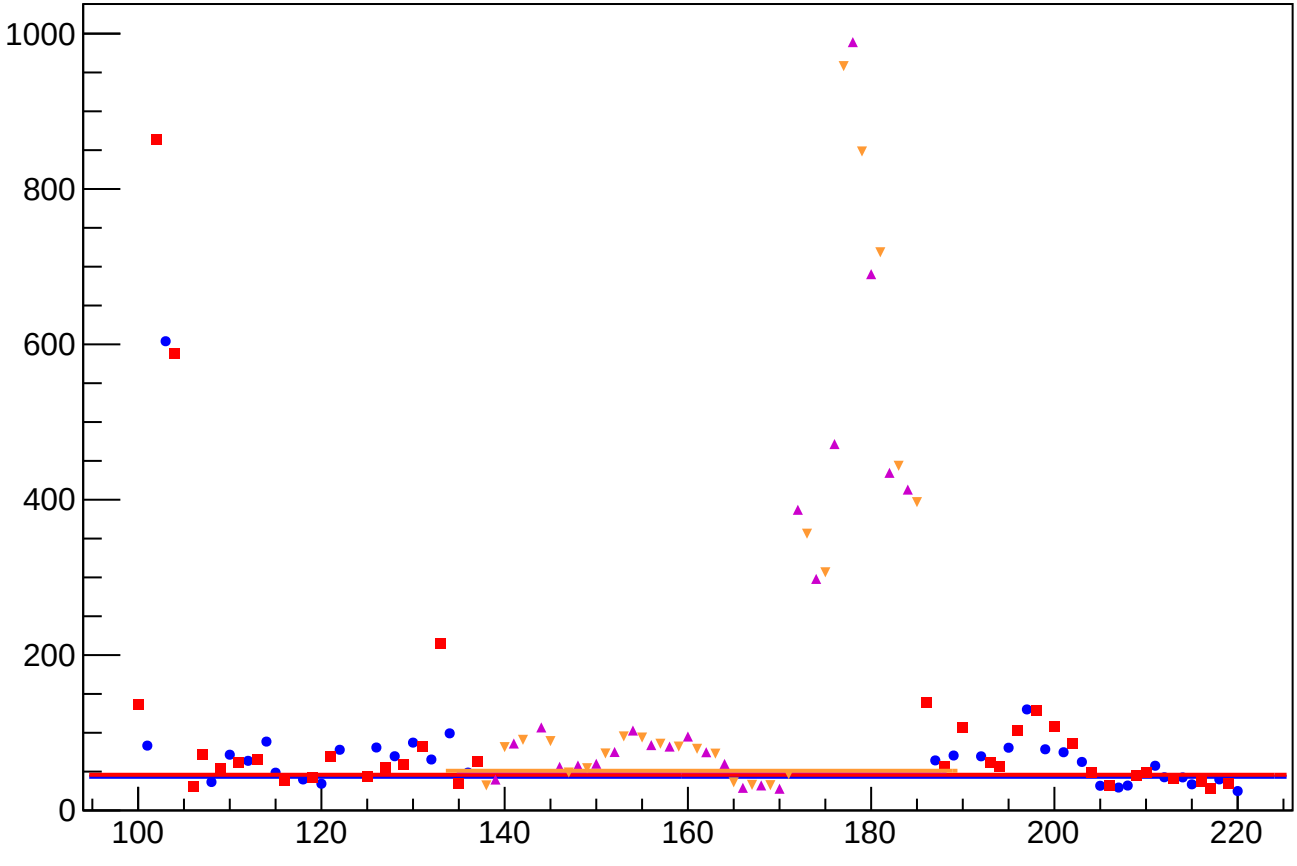
Right: 0.011+/-0.008 χ^2/NDF: 51.9/67

In: 0.007+/-0.009 χ^2/NDF:39.8/55

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.013+/-0.007 χ^2/NDF: 111.4/114

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.338+/-0.008 χ^2/NDF: 6292279.3/32

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

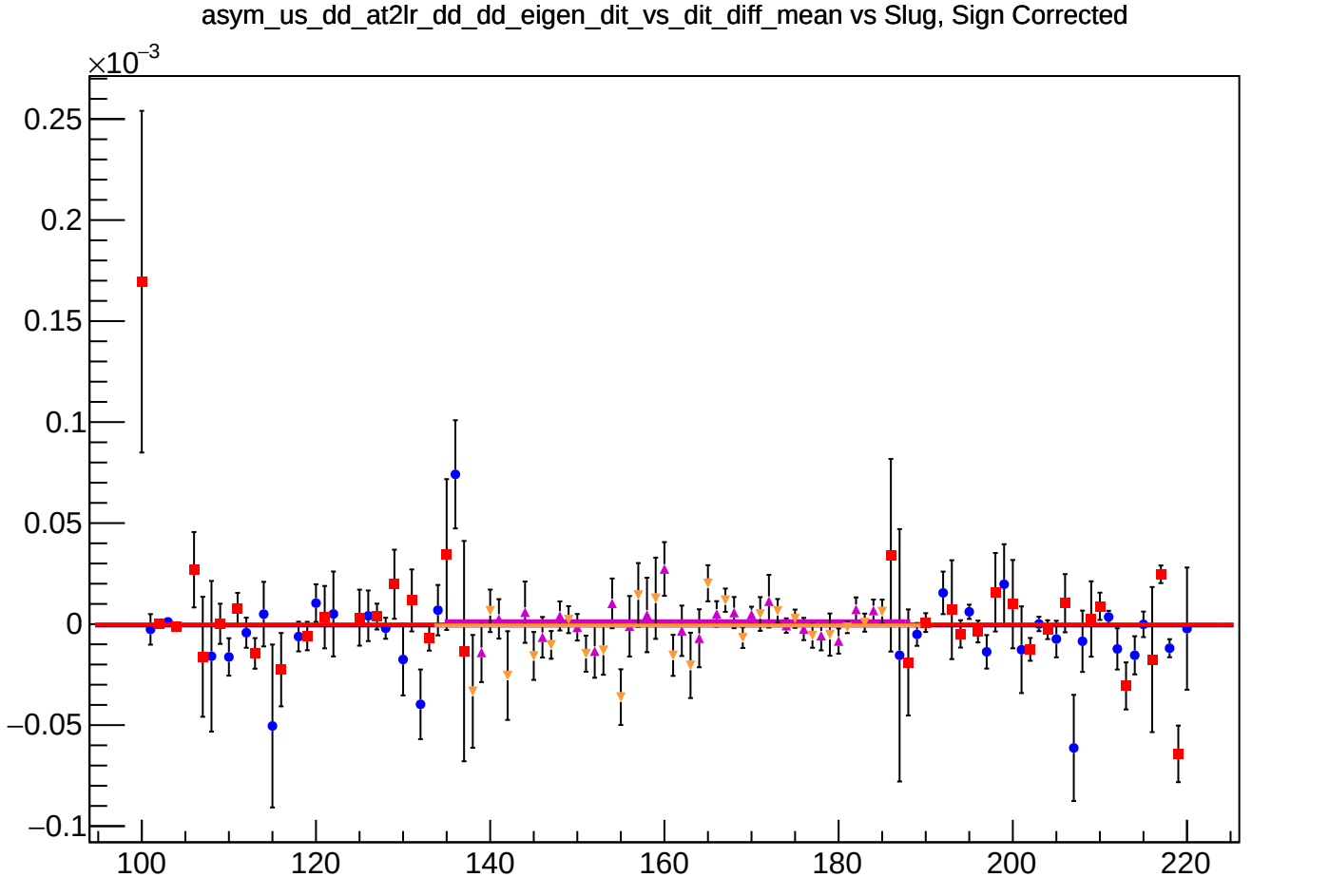
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

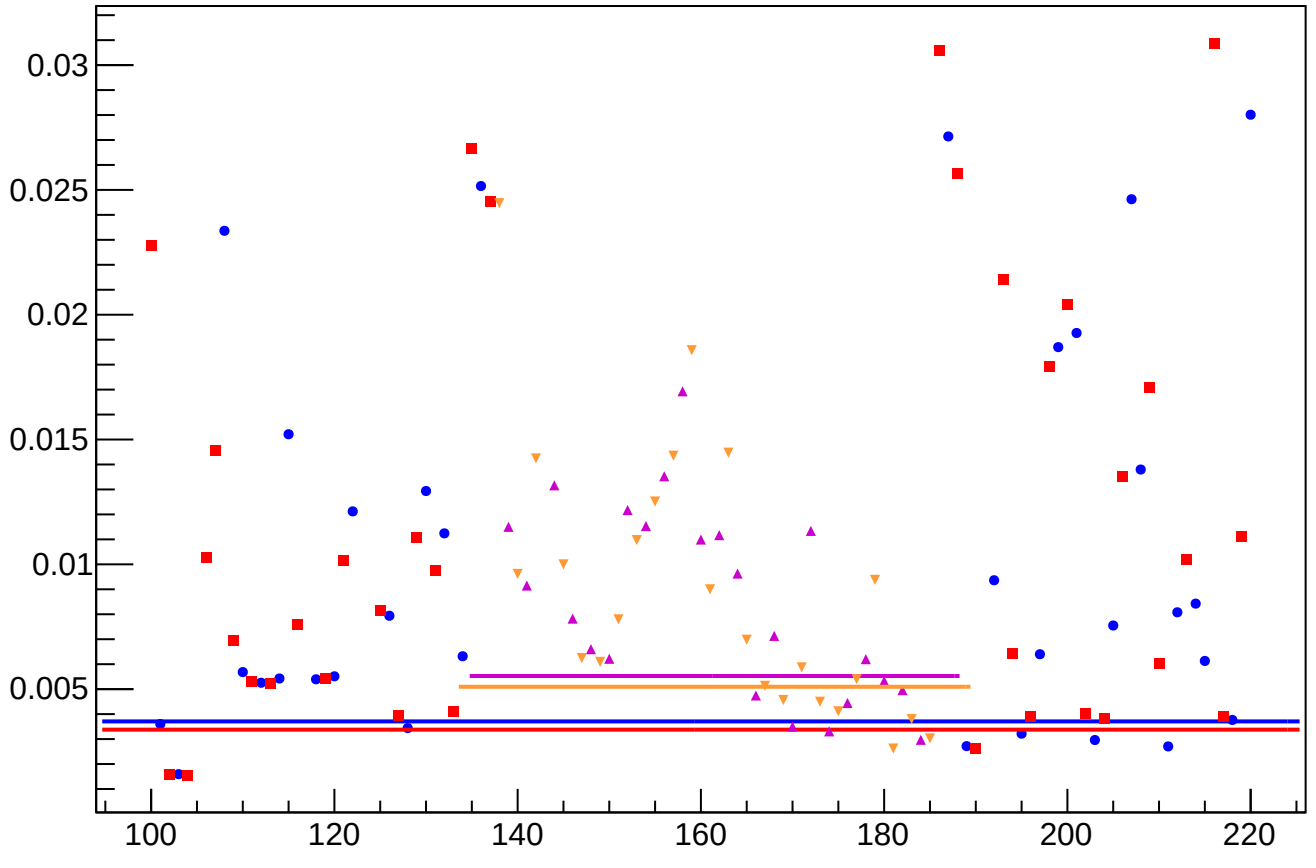
Right: 44.566+/-0.006 χ^2/NDF: 13109772.0/67

In: 45.748+/-0.006 χ^2/NDF:18755352.8/55

Out: 47.859+/-0.007 χ^2/NDF:18640414.8/58

All: 46.756+/-0.005 χ^2/NDF: 37448178.5/114


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 50.9/32
Left Out: -0.000+/-0.000 χ²/NDF:38.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 88.6/34
Left In: 0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 56.0/46
Right: -0.000+/-0.000 χ²/NDF: 139.6/67
In: 0.000+/-0.000 χ²/NDF:68.6/55
Out: -0.000+/-0.000 χ²/NDF:127.2/58
All: -0.000+/-0.000 χ²/NDF: 195.9/114



Right In: 0.004+/-0.000 χ^2/NDF: 14708493.5/32

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 18033485.4/34

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

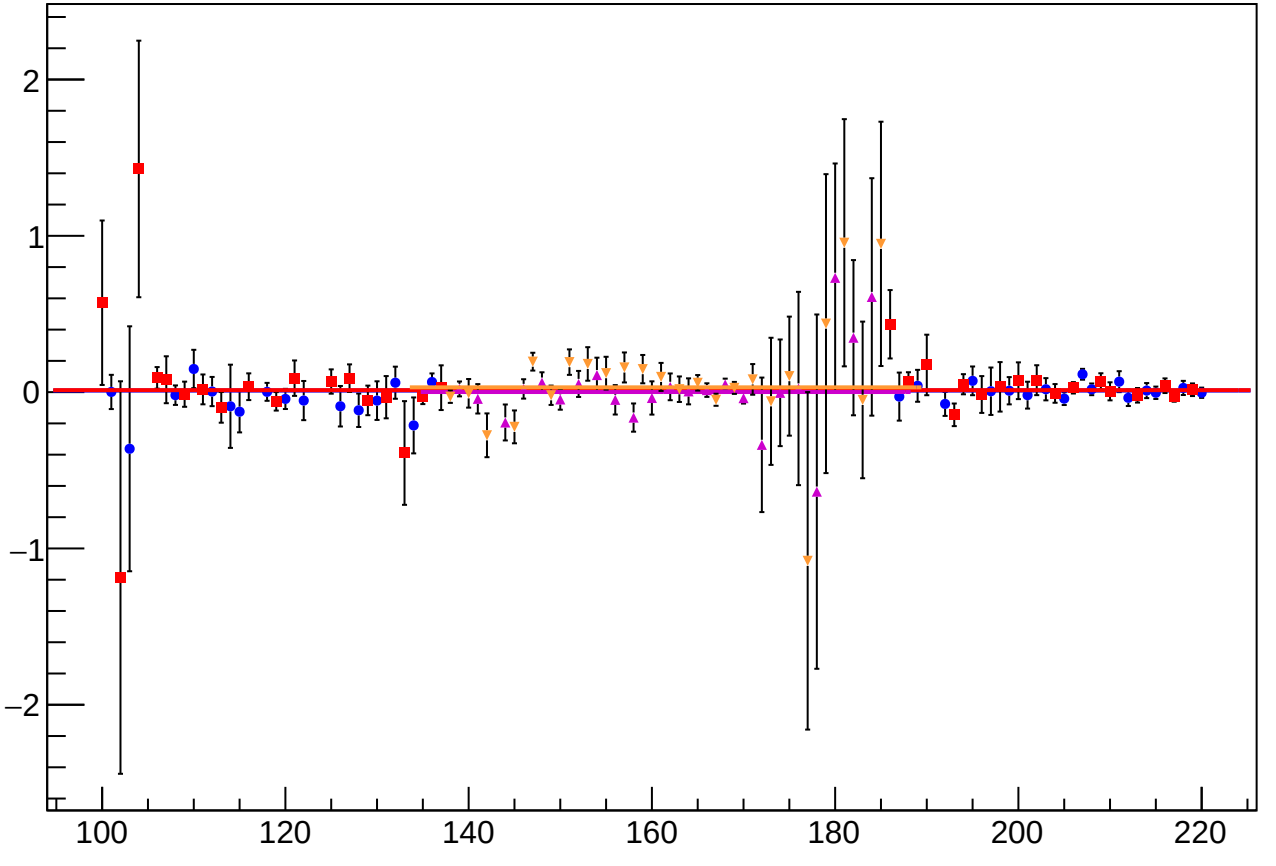
Right: 0.004+/-0.000 χ^2/NDF: 32835901.8/67

In: 0.004+/-0.000 χ^2/NDF:23494218.7/55

Out: 0.004+/-0.000 χ^2/NDF:28353892.6/58

All: 0.004+/-0.000 χ^2/NDF: 52001524.6/114

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 23.5/32

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

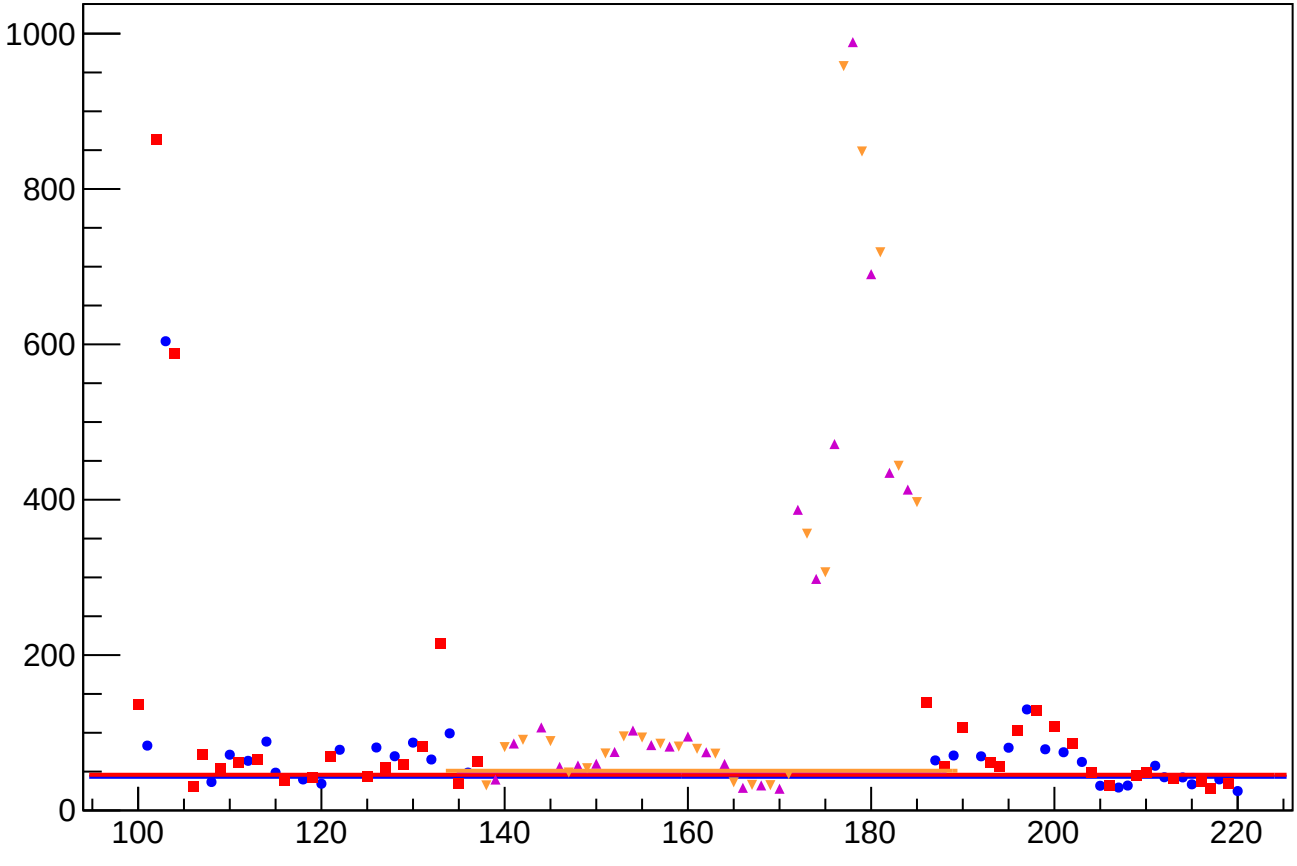
Right: 0.011+/-0.008 χ^2/NDF: 51.9/67

In: 0.007+/-0.009 χ^2/NDF:39.8/55

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.013+/-0.007 χ^2/NDF: 111.4/114

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.337+/-0.008 χ^2/NDF: 6292563.0/32

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

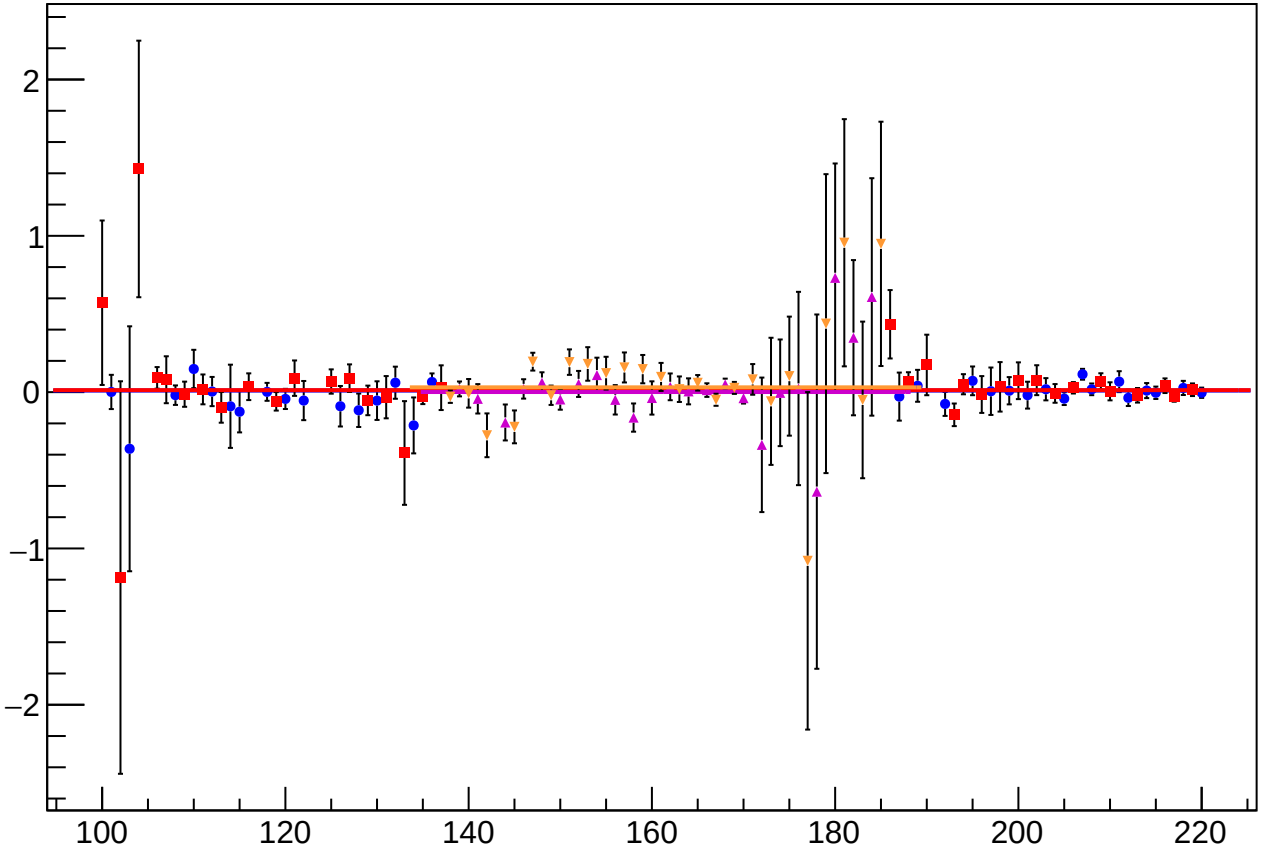
Right: 44.567+/-0.006 χ^2/NDF: 13109416.3/67

In: 45.747+/-0.006 χ^2/NDF:18755639.1/55

Out: 47.862+/-0.007 χ^2/NDF:18638761.1/58

All: 46.757+/-0.005 χ^2/NDF: 37446972.1/114

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 23.5/32

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

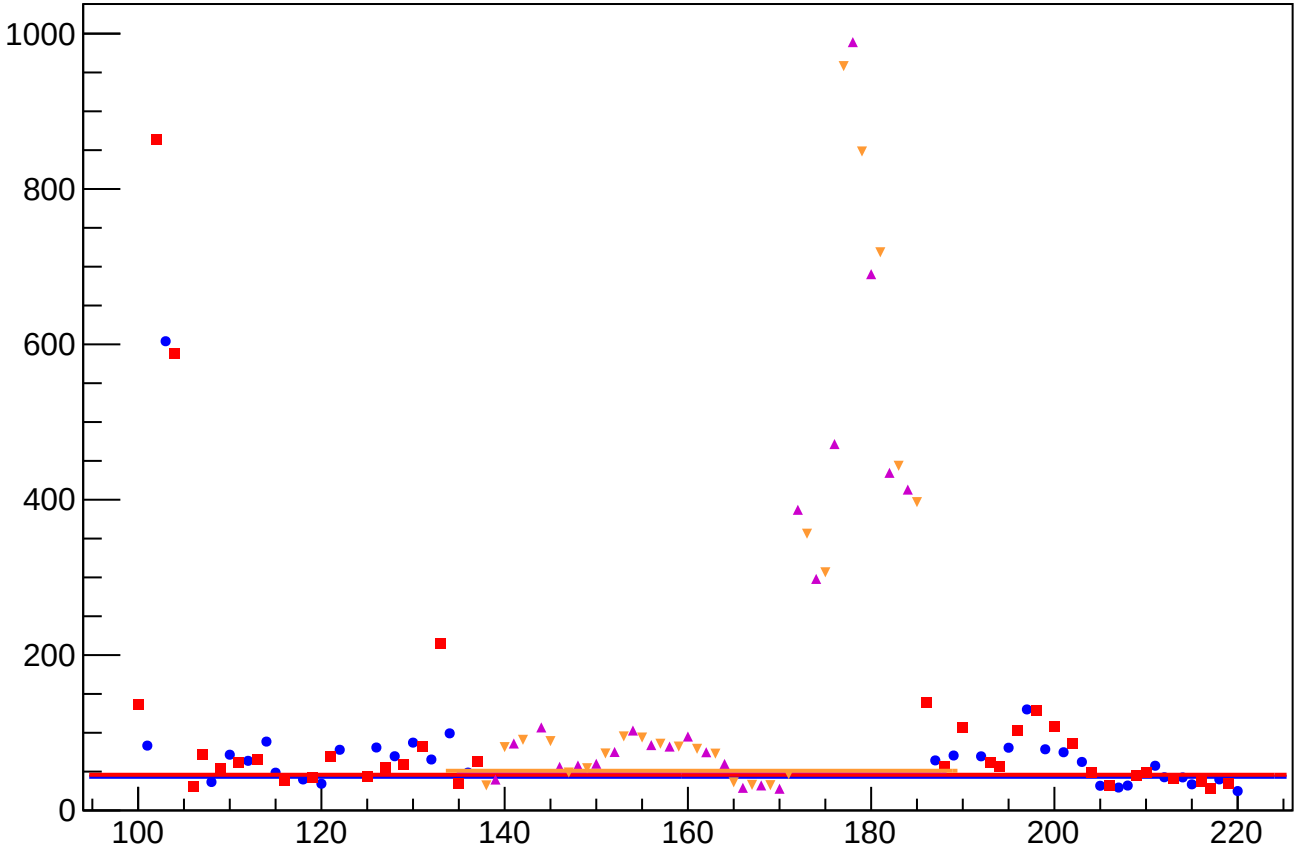
Right: 0.011+/-0.008 χ^2/NDF: 51.9/67

In: 0.007+/-0.009 χ^2/NDF:39.8/55

Out: 0.019+/-0.009 χ^2/NDF:70.7/58

All: 0.013+/-0.007 χ^2/NDF: 111.4/114

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.337+/-0.008 χ^2/NDF: 6292563.0/32

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

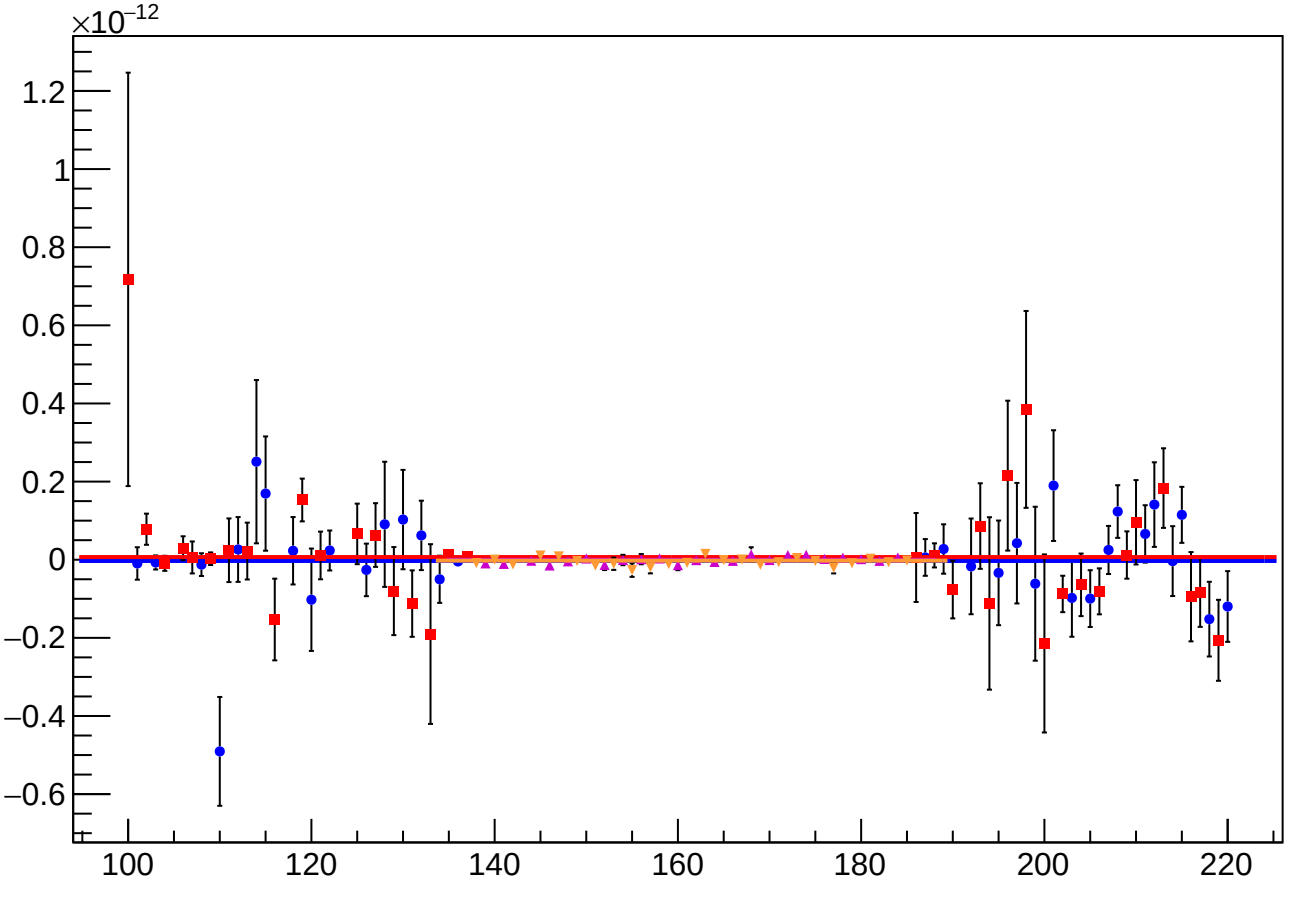
Right: 44.567+/-0.006 χ^2/NDF: 13109416.3/67

In: 45.747+/-0.006 χ^2/NDF:18755639.1/55

Out: 47.862+/-0.007 χ^2/NDF:18638761.1/58

All: 46.757+/-0.005 χ^2/NDF: 37446972.1/114

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 36.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 43.8/34

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

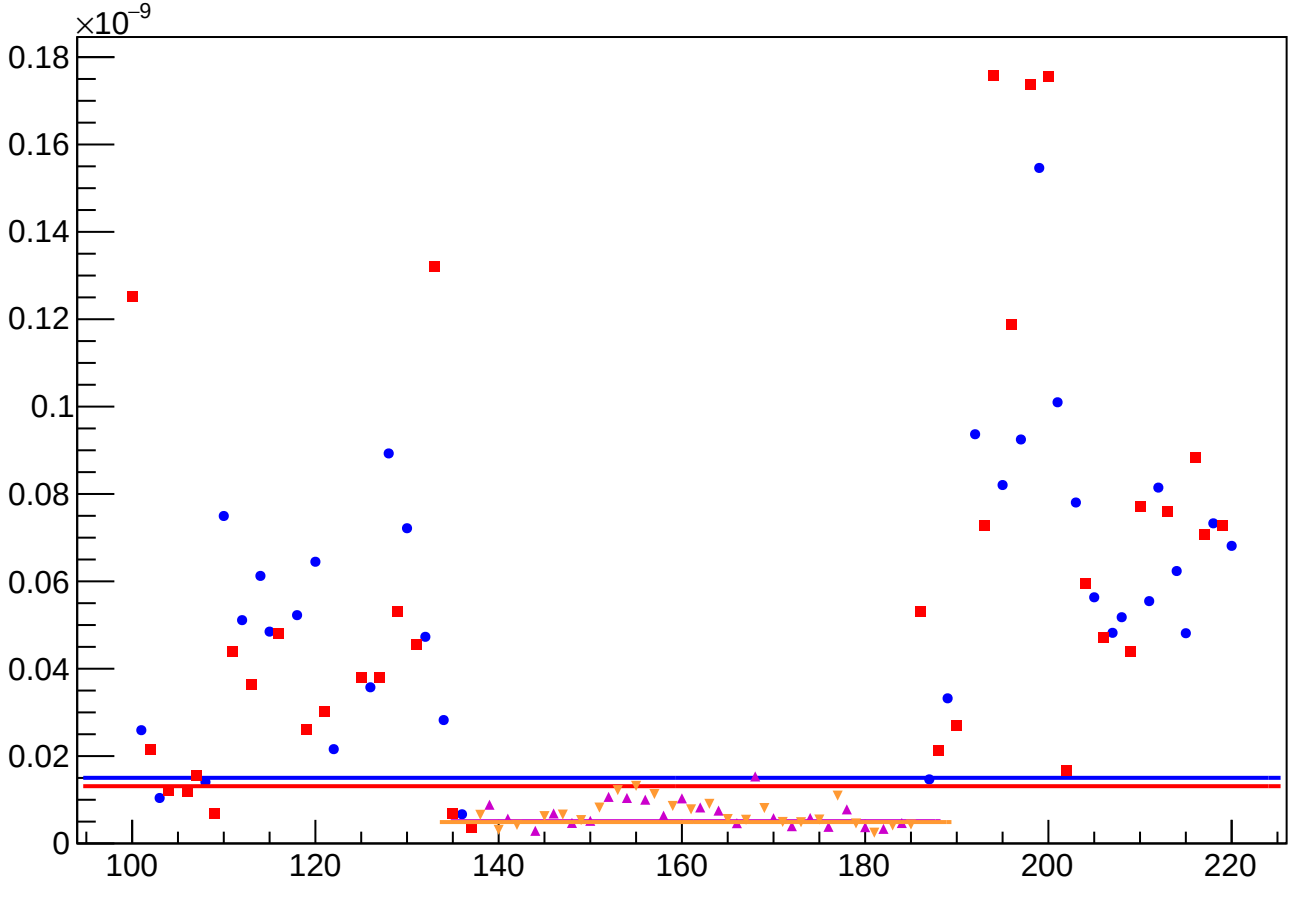
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 81.9/67

In: -0.000+/-0.000 χ^2/NDF:55.3/55

Out: -0.000+/-0.000 χ^2/NDF:68.1/58

All: -0.000+/-0.000 χ^2/NDF: 123.9/114



Right In: 0.000+/-0.000 χ^2/NDF: 15521881.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14966462.7/34

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

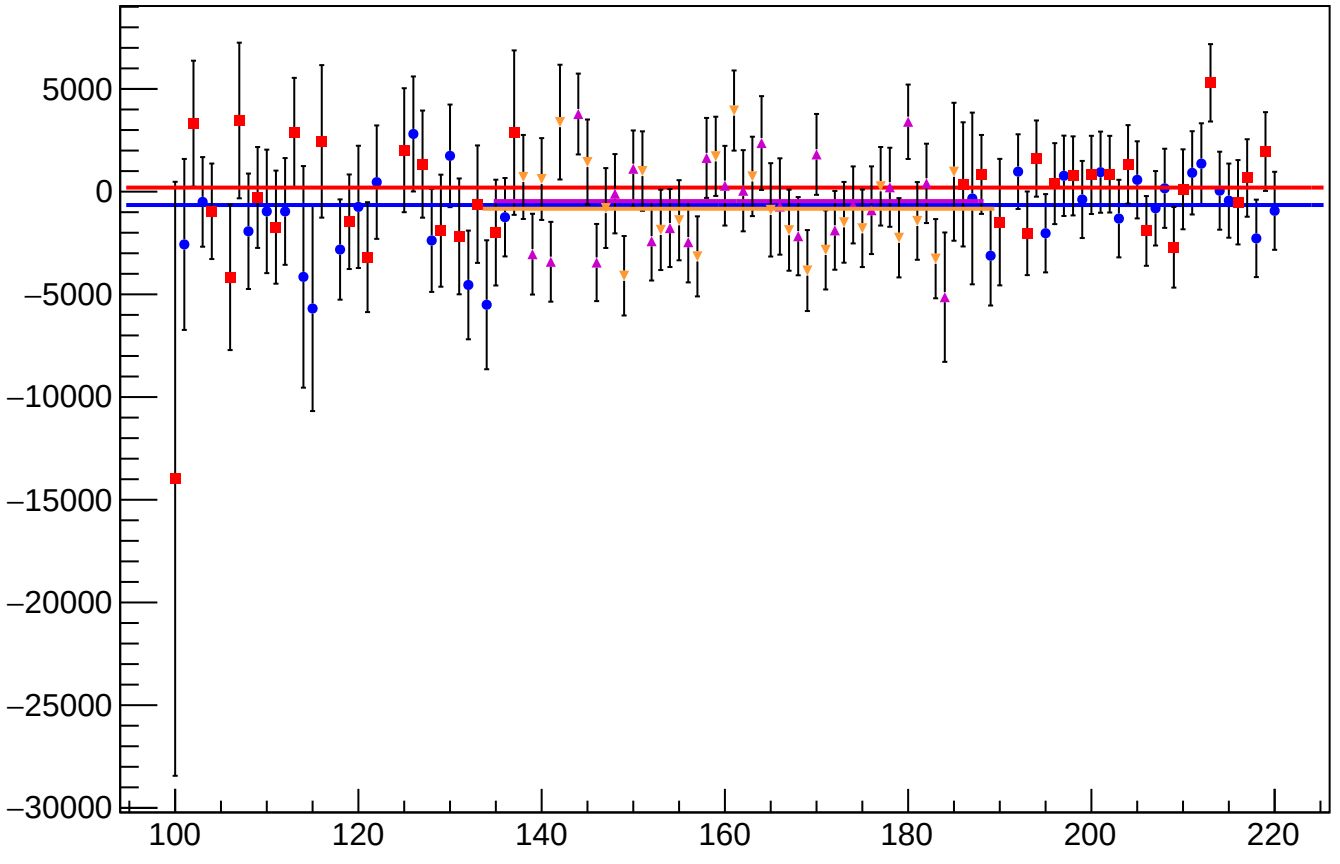
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 30581415.2/67

In: 0.000+/-0.000 χ^2/NDF:23746227.1/55

Out: 0.000+/-0.000 χ^2/NDF:22722879.4/58

All: 0.000+/-0.000 χ^2/NDF: 46503784.6/114



Right In: -651.533+/-392.333 χ^2/NDF: 17.3/32

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 197.938+/-393.355 χ^2/NDF: 26.6/34

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

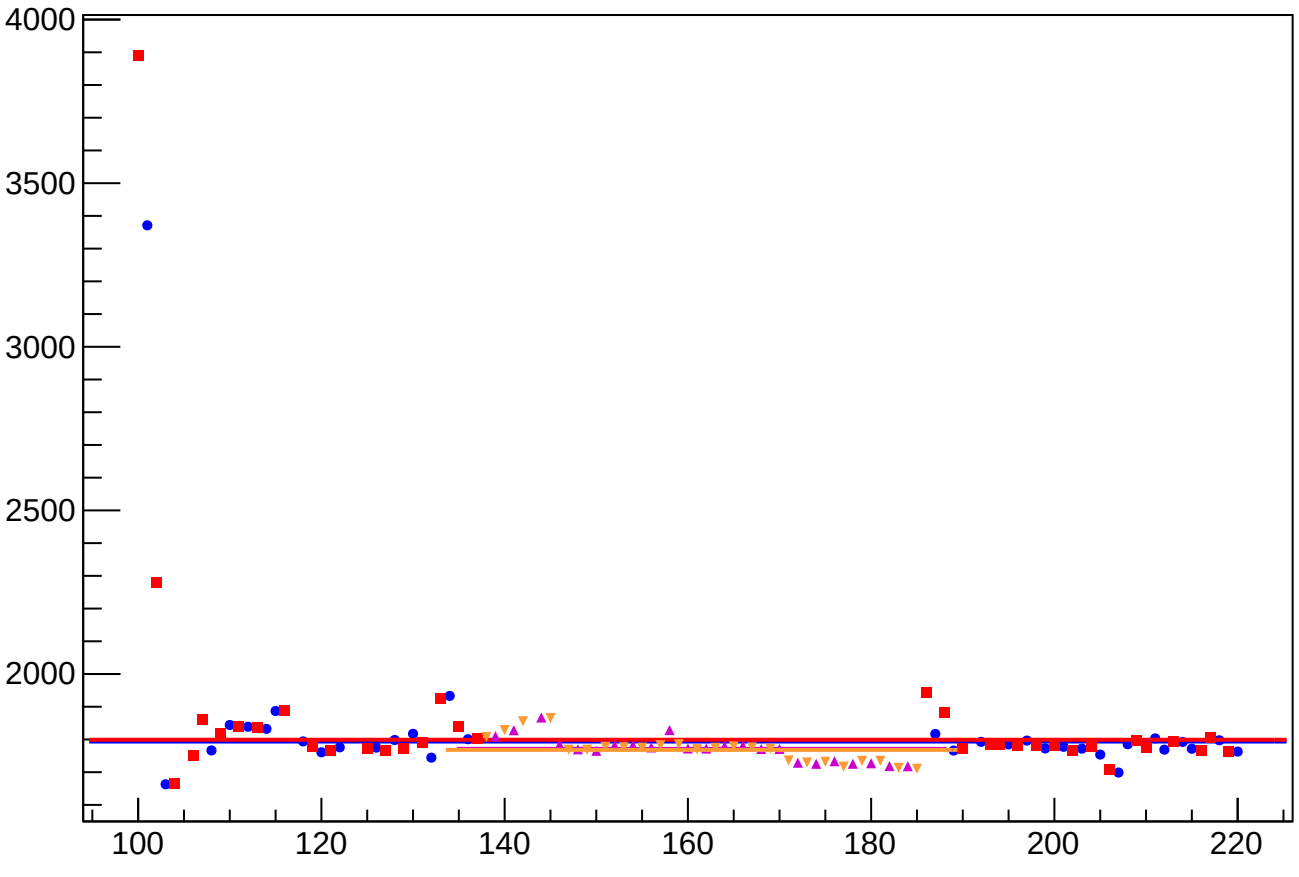
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -227.902+/-277.782 χ^2/NDF: 46.2/67

In: -560.634+/-284.655 χ^2/NDF:44.6/55

Out: -295.418+/-283.994 χ^2/NDF:55.3/58

All: -427.718+/-201.048 χ^2/NDF: 100.4/114



Right In: 1793.684+/-0.277 χ^2/NDF: 310562.9/32

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1799.076+/-0.278 χ^2/NDF: 123633.3/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

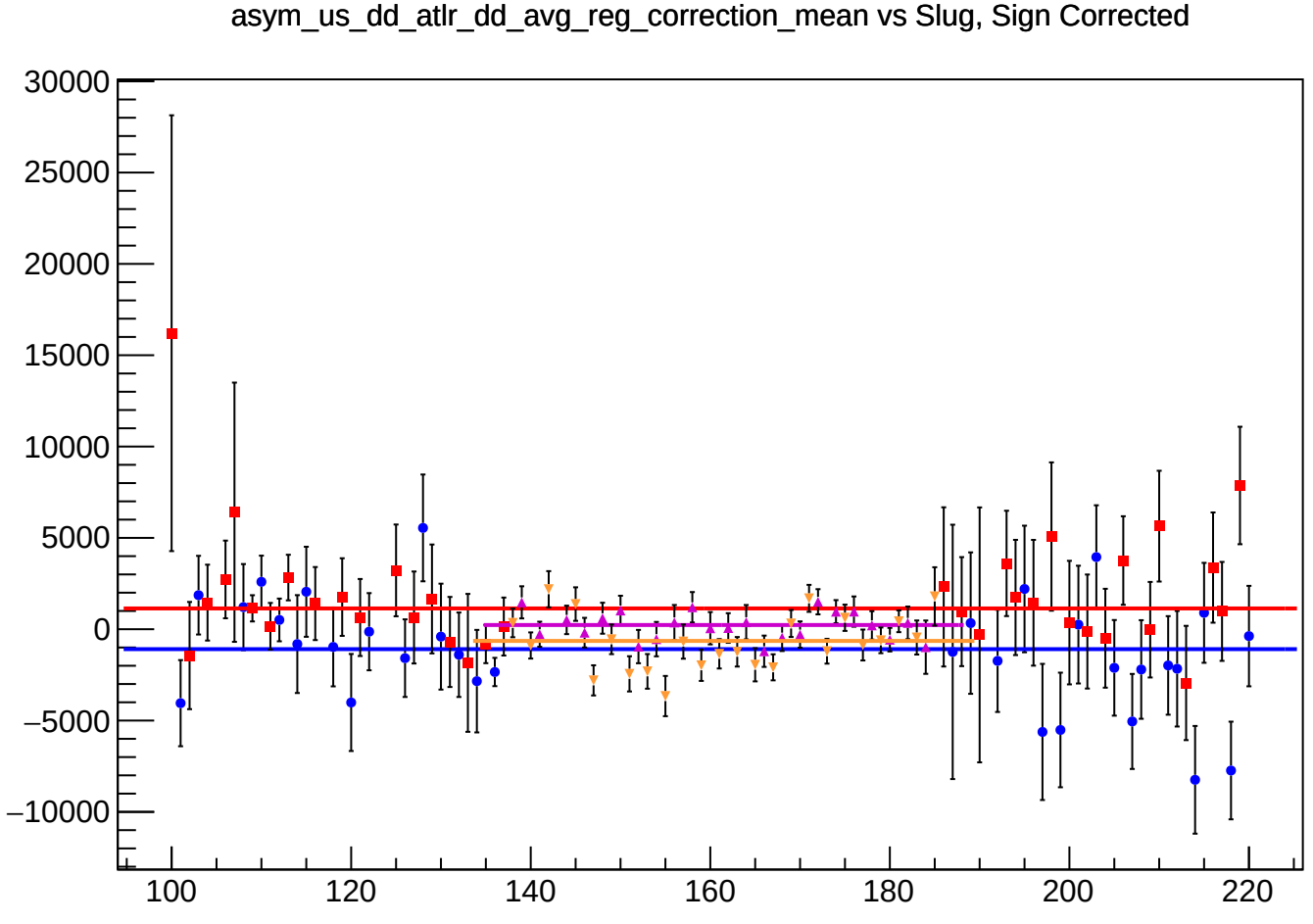
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1796.373+/-0.196 χ^2/NDF: 434384.6/67

In: 1783.044+/-0.201 χ^2/NDF:330094.7/55

Out: 1784.259+/-0.201 χ^2/NDF:145919.5/58

All: 1783.653+/-0.142 χ^2/NDF: 476032.5/114



Right In: -1090.730+/-378.036 χ^2/NDF: 47.6/32

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 1137.409+/-349.022 χ^2/NDF: 24.5/34

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

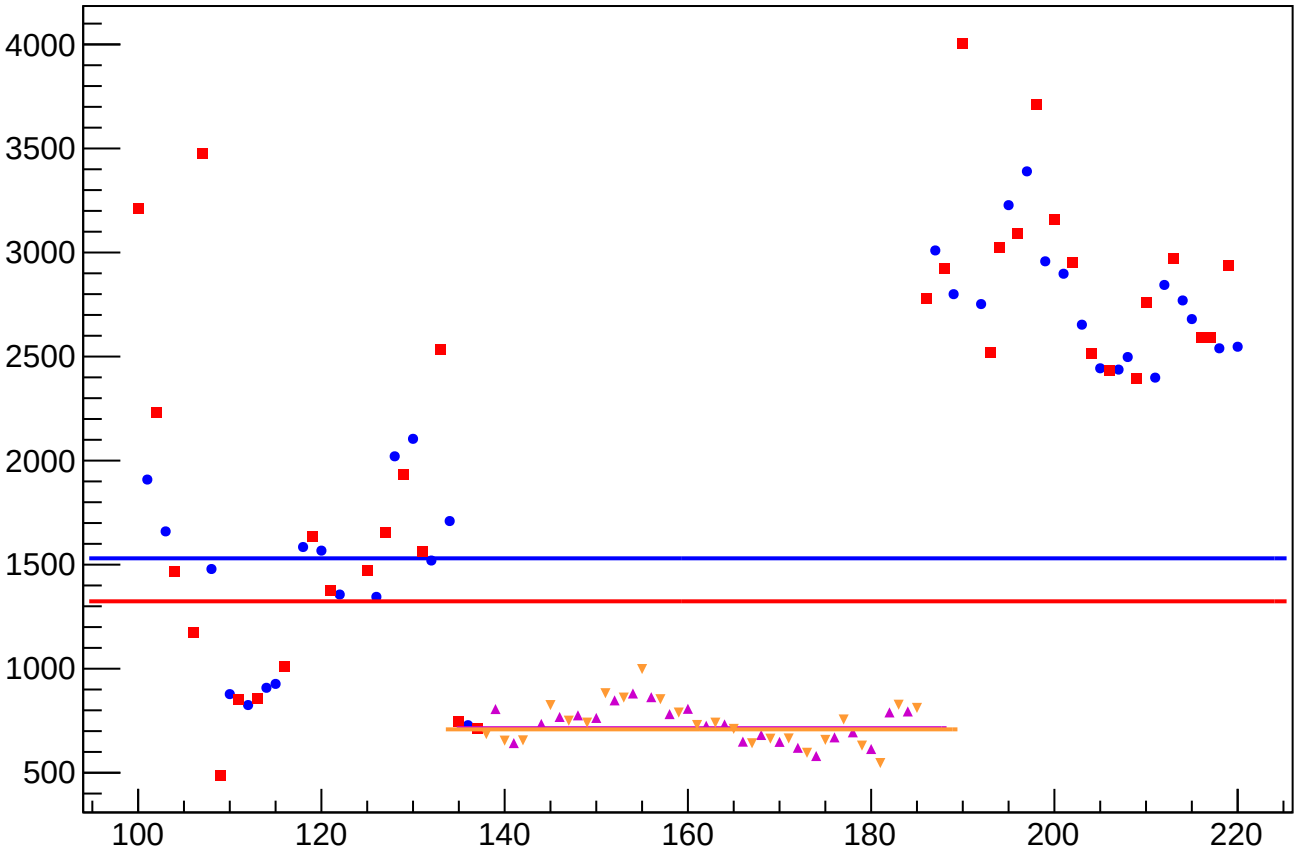
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 112.115+/-256.440 χ^2/NDF: 90.9/67

In: 12.035+/-153.766 χ^2/NDF:77.8/55

Out: -311.496+/-150.239 χ^2/NDF:112.3/58

All: -153.484+/-107.460 χ^2/NDF: 192.3/114



Right In: 1530.412+/-0.267 χ^2/NDF: 9058664.7/32

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1323.810+/-0.247 χ^2/NDF: 12873705.5/34

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

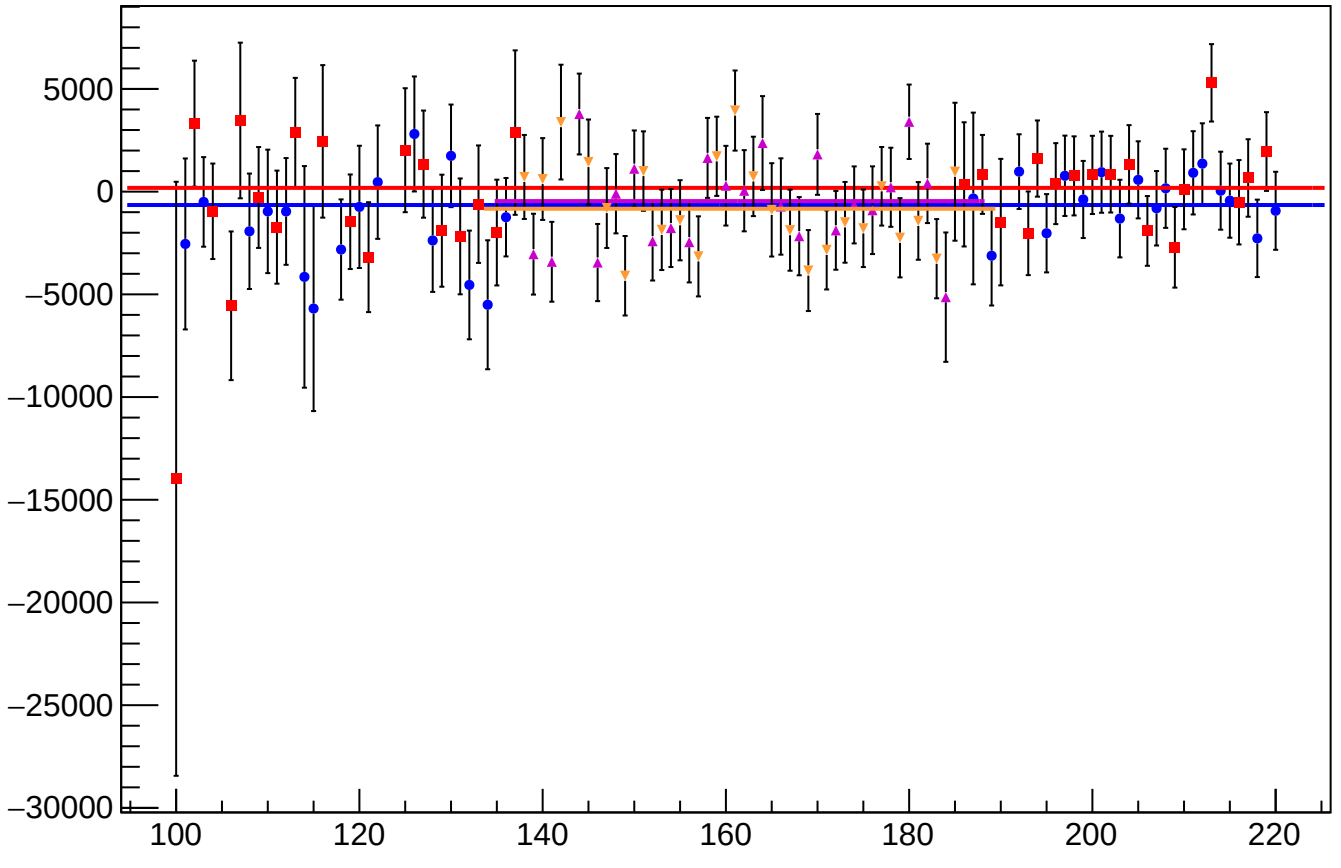
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1418.879+/-0.181 χ^2/NDF: 22254848.4/67

In: 849.207+/-0.109 χ^2/NDF:17337436.9/55

Out: 822.515+/-0.106 χ^2/NDF:18638374.8/58

All: 835.551+/-0.076 χ^2/NDF: 36006644.3/11



Right In: -651.300+/-392.333 χ^2/NDF: 17.3/32

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 183.712+/-393.454 χ^2/NDF: 27.6/34

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

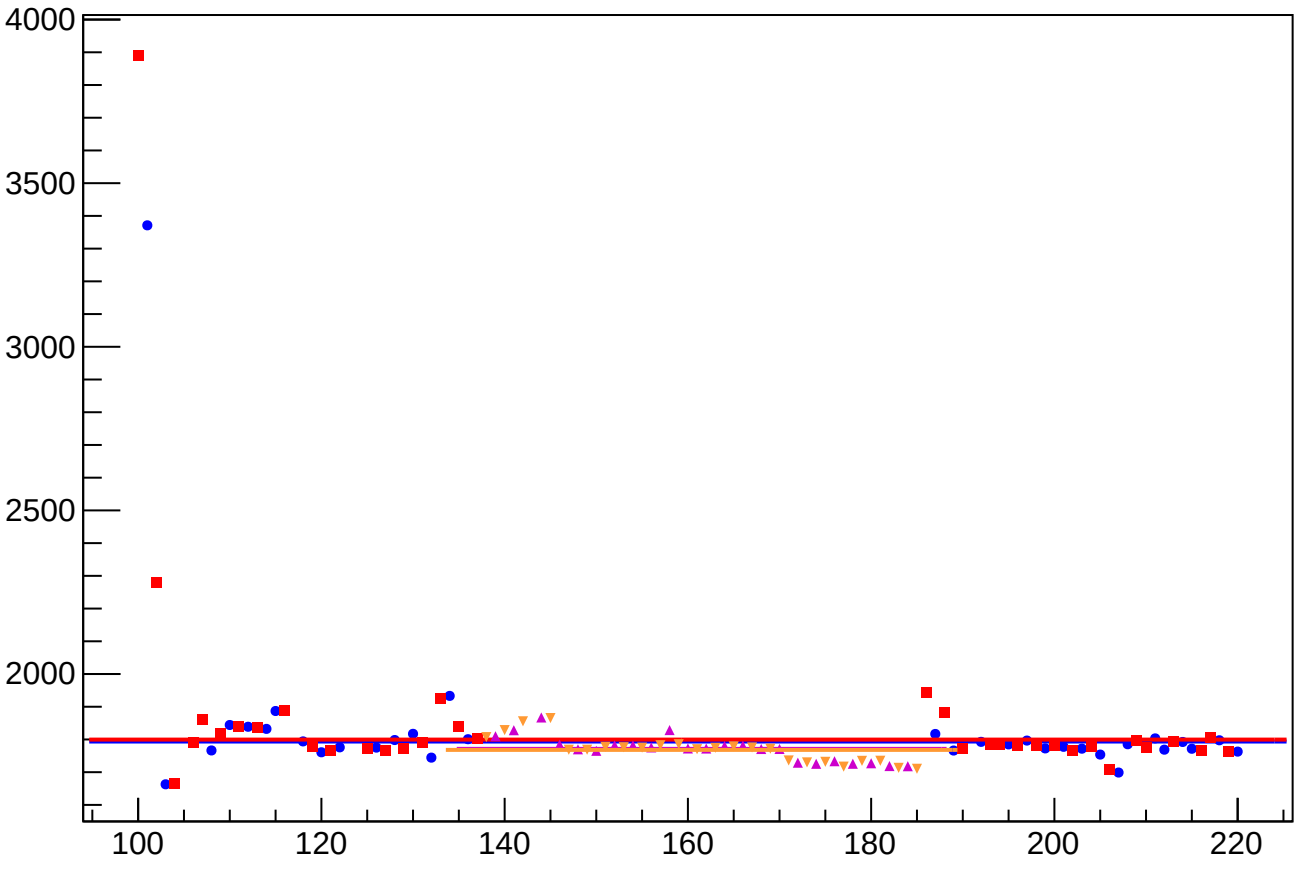
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -234.984+/-277.817 χ^2/NDF: 47.1/67

In: -560.492+/-284.655 χ^2/NDF:44.6/55

Out: -302.910+/-284.032 χ^2/NDF:56.2/58

All: -431.418+/-201.061 χ^2/NDF: 101.3/114



Right In: 1793.684+/-0.277 χ^2/NDF: 310564.8/32

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

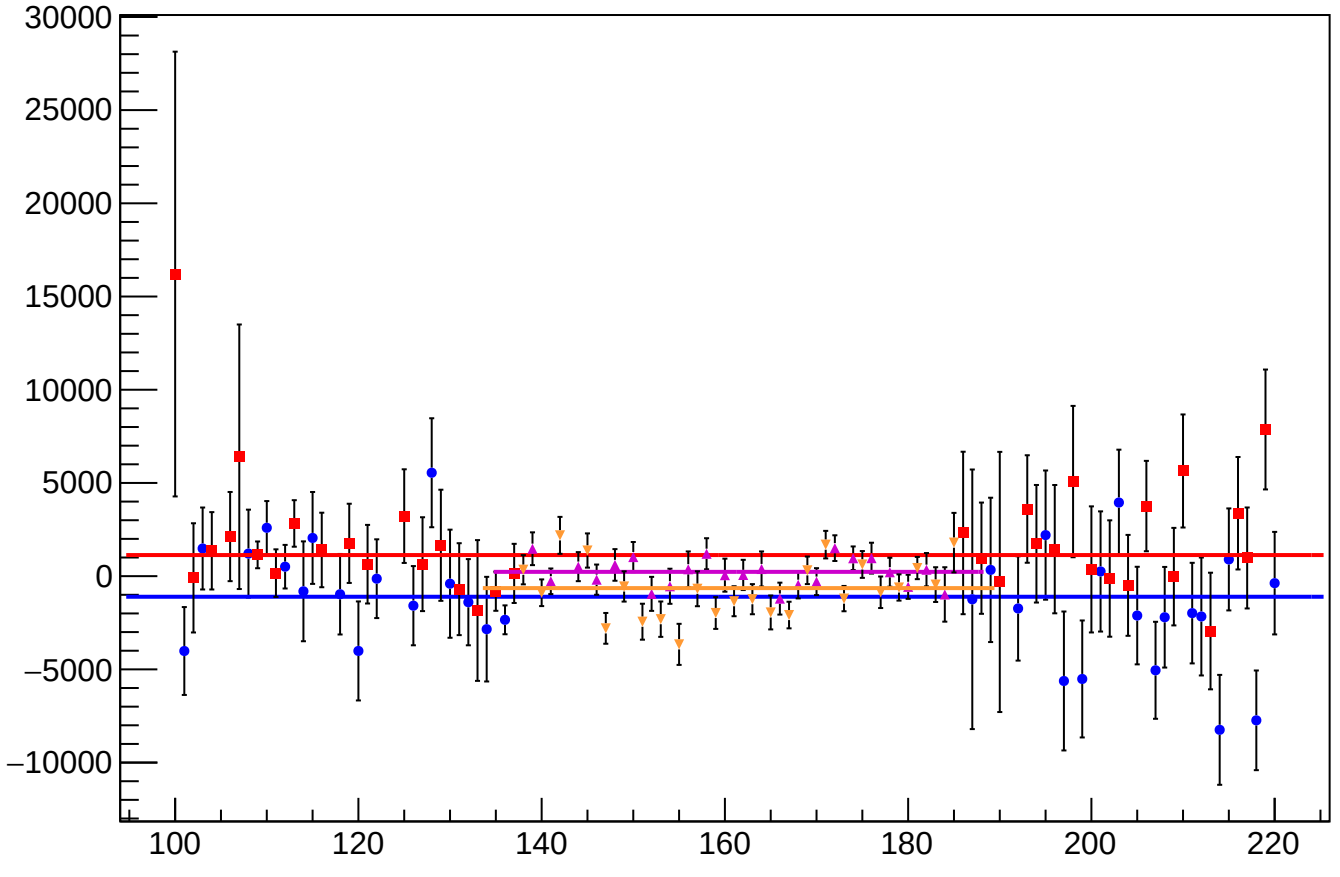
Right: 1796.626+/-0.196 χ^2/NDF: 434055.1/67

In: 1783.044+/-0.201 χ^2/NDF:330096.5/55

Out: 1784.519+/-0.201 χ^2/NDF:145745.7/58

All: 1783.783+/-0.142 χ^2/NDF: 475869.1/114

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1104.872+/-378.267 χ^2/NDF: 47.1/32

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

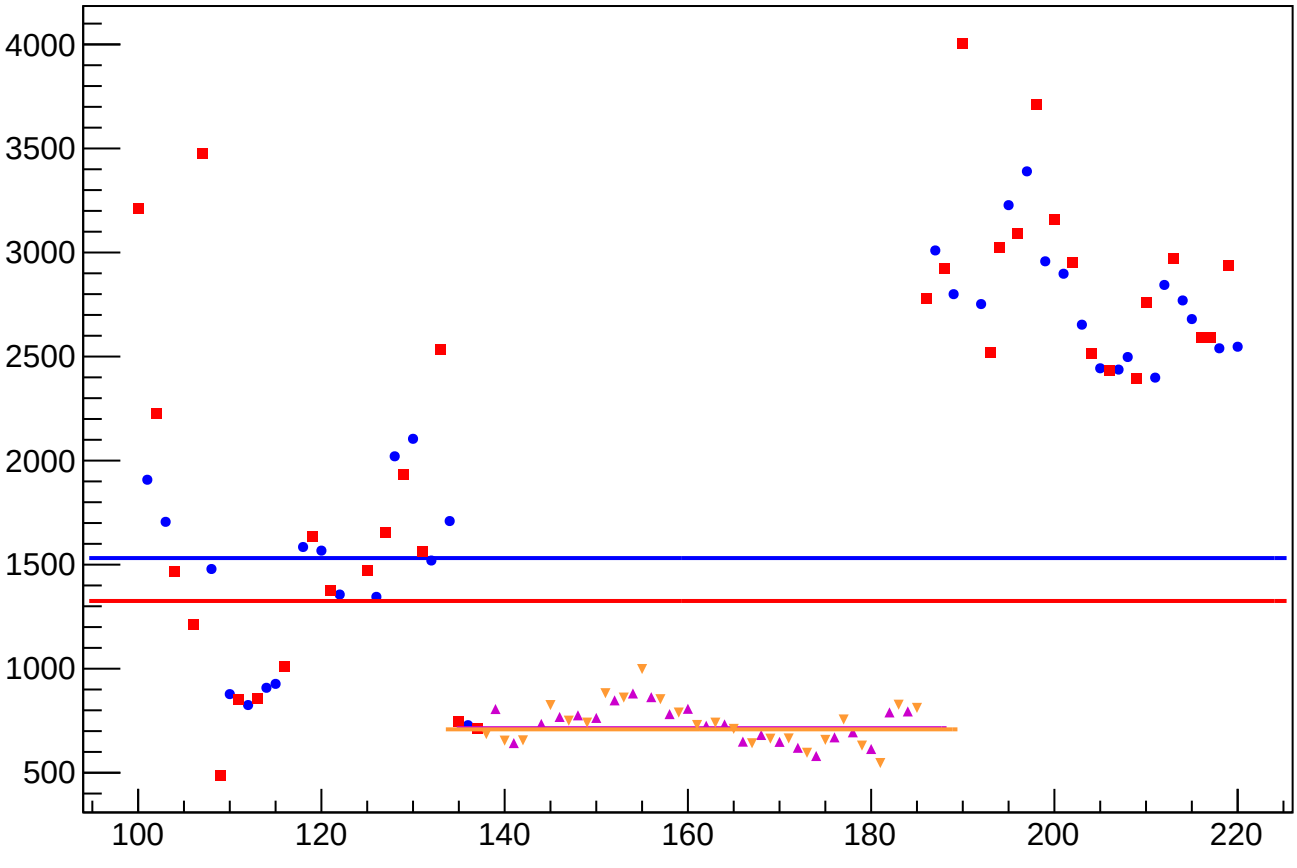
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 100.117+/-256.897 χ^2/NDF: 89.4/67

In: 9.851+/-153.783 χ^2/NDF:77.4/55

Out: -314.015+/-150.317 χ^2/NDF:111.1/58

All: -155.772+/-107.495 χ^2/NDF: 190.8/114



Right In: 1531.607+/-0.267 χ^2/NDF: 9063839.0/32

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1325.437+/-0.247 χ^2/NDF: 12867170.0/34

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

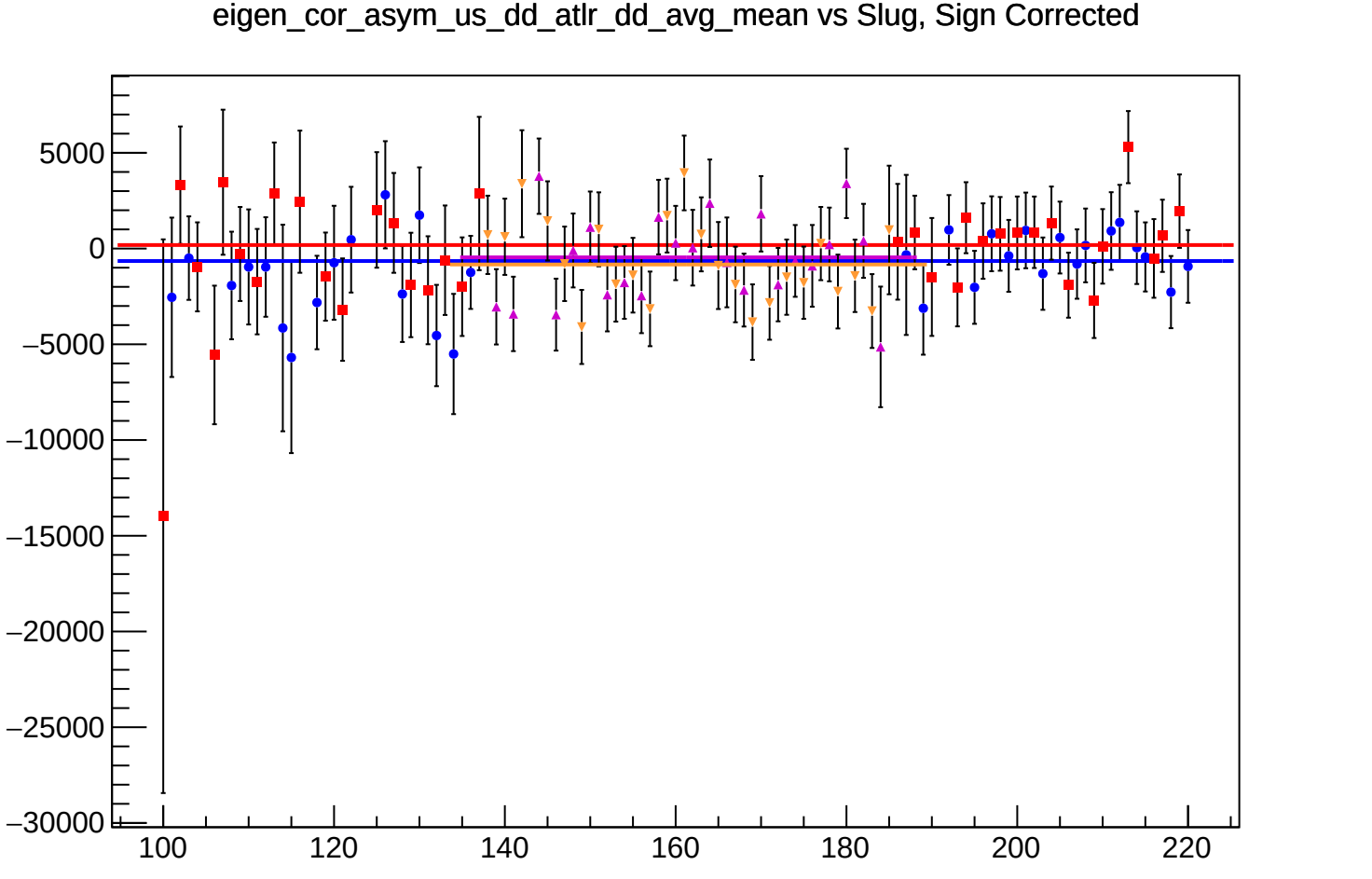
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1420.530+/-0.182 χ^2/NDF: 22251107.9/67

In: 849.273+/-0.109 χ^2/NDF:17357316.2/55

Out: 822.306+/-0.106 χ^2/NDF:18635509.2/58

All: 835.482+/-0.076 χ^2/NDF: 36024278.5/11



Right In: -651.300+/-392.333 χ^2/NDF: 17.3/32

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 183.712+/-393.454 χ^2/NDF: 27.6/34

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

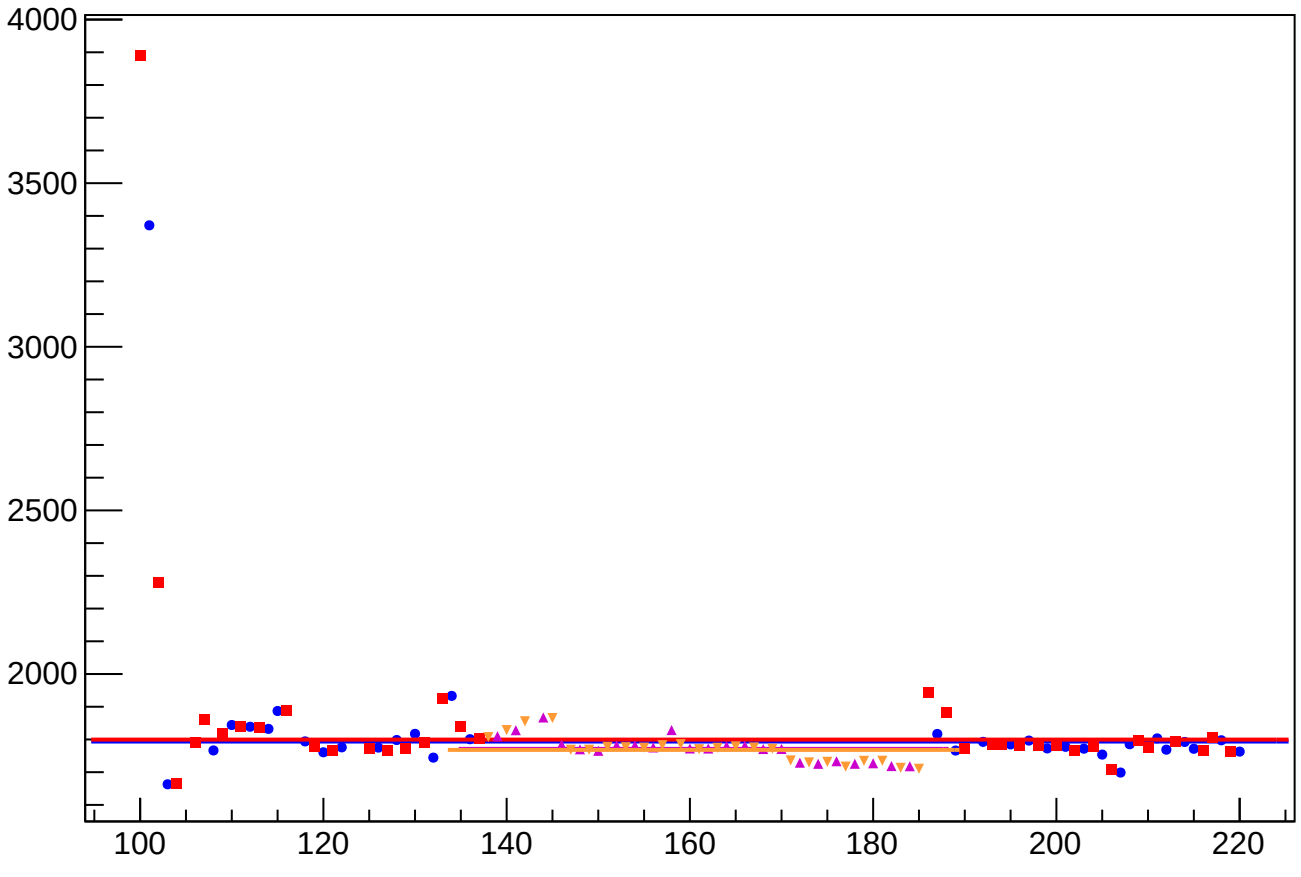
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -234.984+/-277.817 χ^2/NDF: 47.1/67

In: -560.492+/-284.655 χ^2/NDF:44.6/55

Out: -302.910+/-284.032 χ^2/NDF:56.2/58

All: -431.418+/-201.061 χ^2/NDF: 101.3/114



Right In: 1793.684+/-0.277 χ^2/NDF: 310564.8/32

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

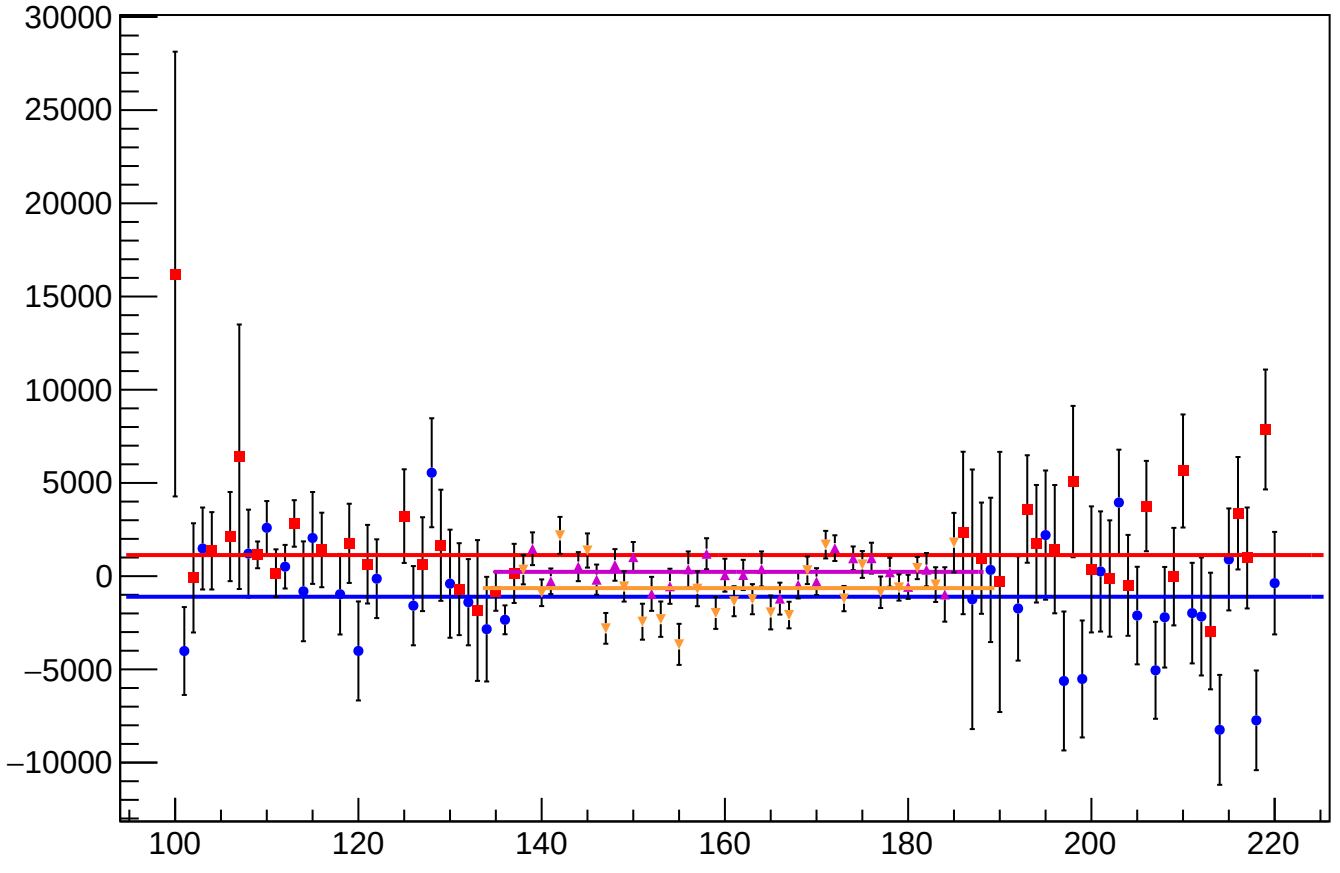
Right: 1796.626+/-0.196 χ^2/NDF: 434055.1/67

In: 1783.044+/-0.201 χ^2/NDF:330096.5/55

Out: 1784.519+/-0.201 χ^2/NDF:145745.7/58

All: 1783.783+/-0.142 χ^2/NDF: 475869.1/114

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1104.872+/-378.267 χ^2/NDF: 47.1/32

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

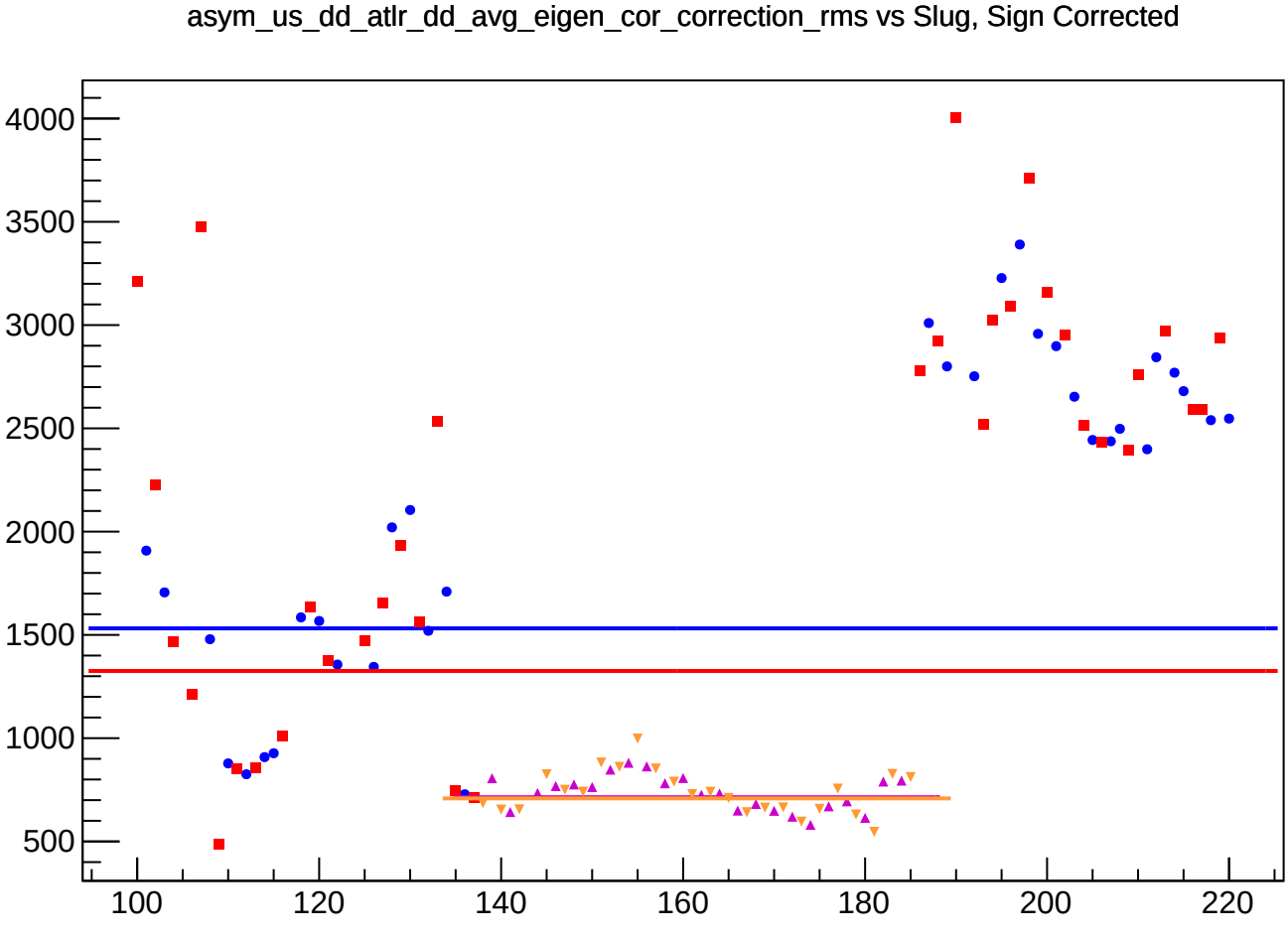
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 100.117+/-256.897 χ^2/NDF: 89.4/67

In: 9.851+/-153.783 χ^2/NDF:77.4/55

Out: -314.015+/-150.317 χ^2/NDF:111.1/58

All: -155.772+/-107.495 χ^2/NDF: 190.8/114


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
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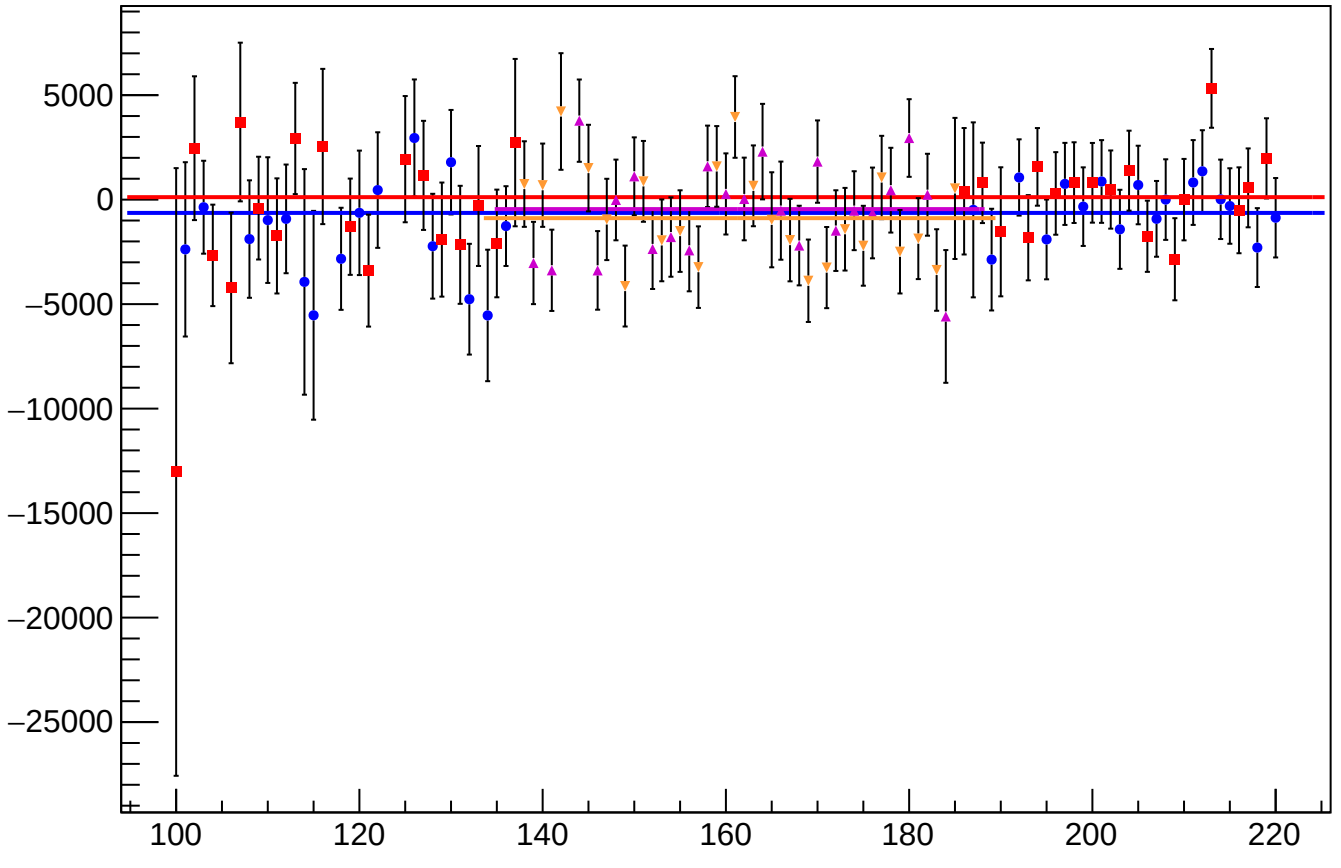
Right In: 1531.607+/-0.267 χ²/NDF: 9063839.0/32
Left Out: 708.508+/-0.118 χ²/NDF:700448.7/23
Right Out: 1325.437+/-0.247 χ²/NDF: 12867170.0/34
Left In: 714.168+/-0.119 χ²/NDF:497252.3/22
Left: 711.307+/-0.084 χ²/NDF: 1198844.2/46
Right: 1420.530+/-0.182 χ²/NDF: 22251107.9/67
In: 849.273+/-0.109 χ²/NDF:17357316.2/55
Out: 822.306+/-0.106 χ²/NDF:18635509.2/58
All: 835.482+/-0.076 χ²/NDF: 36024278.5/11



Right In: -635.414+/-393.101 χ^2/NDF: 17.2/32

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 118.256+/-395.127 χ^2/NDF: 26.9/34

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

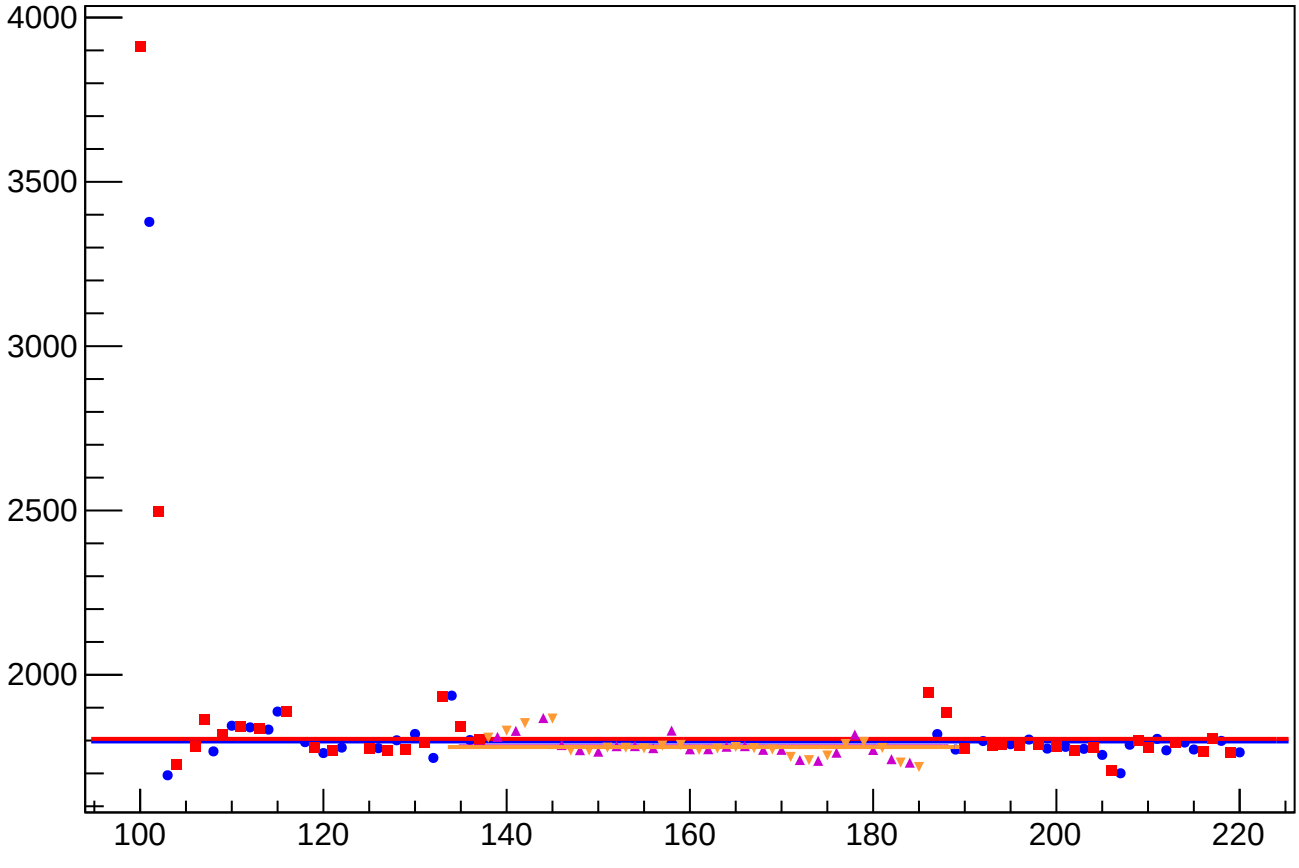
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -260.516+/-278.678 χ^2/NDF: 45.9/67

In: -549.521+/-285.782 χ^2/NDF:43.1/55

Out: -361.565+/-285.581 χ^2/NDF:58.1/58

All: -455.477+/-202.007 χ^2/NDF: 101.4/114



Right In: 1797.211+/-0.278 χ^2/NDF: 308103.1/32

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

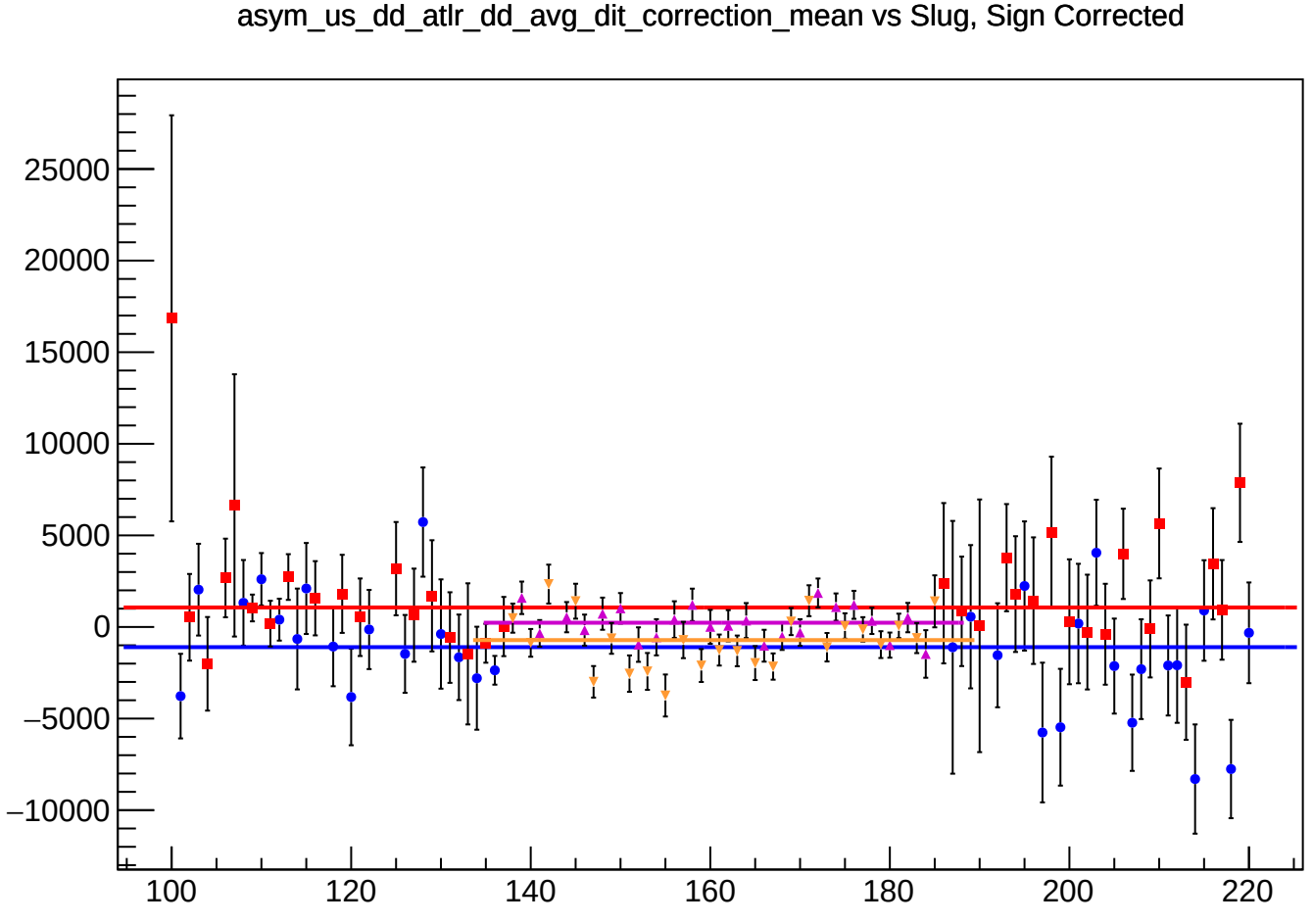
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1801.117+/-0.197 χ^2/NDF: 459964.5/67

In: 1790.180+/-0.202 χ^2/NDF:320692.2/55

Out: 1793.198+/-0.202 χ^2/NDF:165620.9/58

All: 1791.690+/-0.143 χ^2/NDF: 486424.7/114



Right In: -1101.375+/-381.216 χ^2/NDF: 47.2/32

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 1064.254+/-352.184 χ^2/NDF: 25.9/34

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

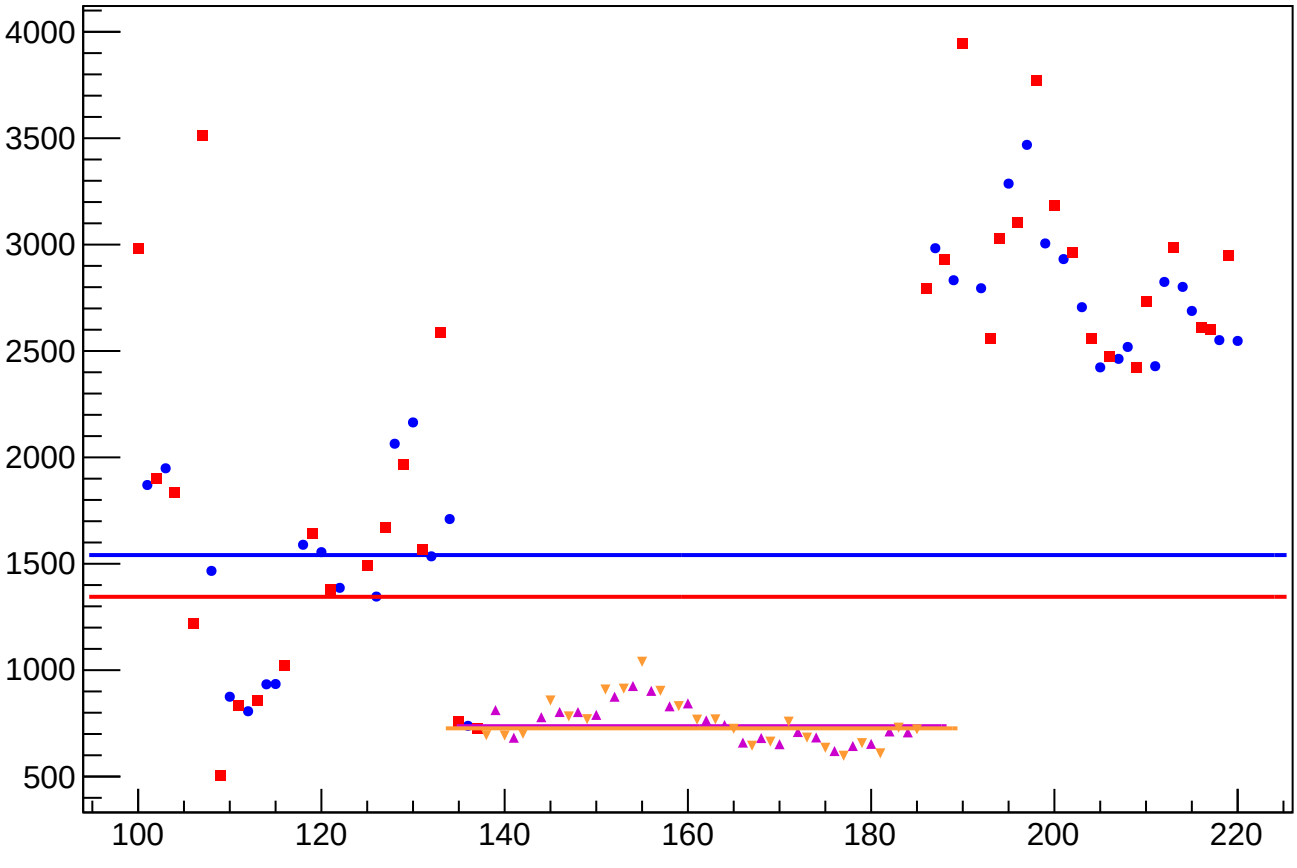
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 67.035+/-258.687 χ^2/NDF: 90.5/67

In: 2.779+/-157.866 χ^2/NDF:81.4/55

Out: -378.134+/-153.537 χ^2/NDF:106.0/58

All: -192.972+/-110.065 χ^2/NDF: 190.3/114


asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
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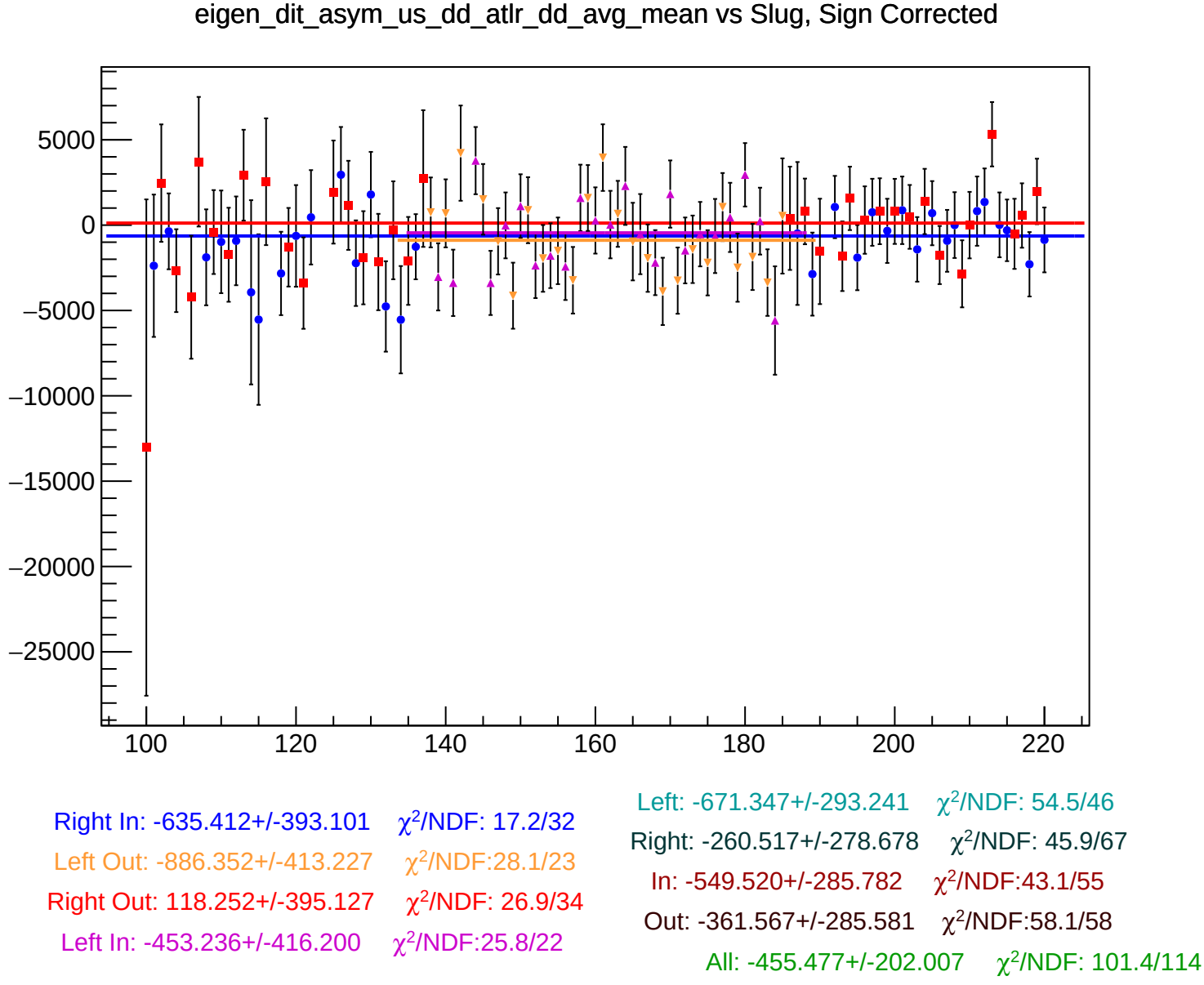
Right In: 1540.937+/-0.270 χ²/NDF: 9193599.7/32
Left Out: 726.604+/-0.121 χ²/NDF:684784.1/23
Right Out: 1344.744+/-0.249 χ²/NDF: 12727846.8/34
Left In: 736.709+/-0.123 χ²/NDF:465041.6/22
Left: 731.574+/-0.086 χ²/NDF: 1153276.2/46
Right: 1435.086+/-0.183 χ²/NDF: 22207250.0/67
In: 874.625+/-0.112 χ²/NDF:17033343.8/55
Out: 844.087+/-0.109 χ²/NDF:18402840.5/58
All: 858.931+/-0.078 χ²/NDF: 35474644.0/1


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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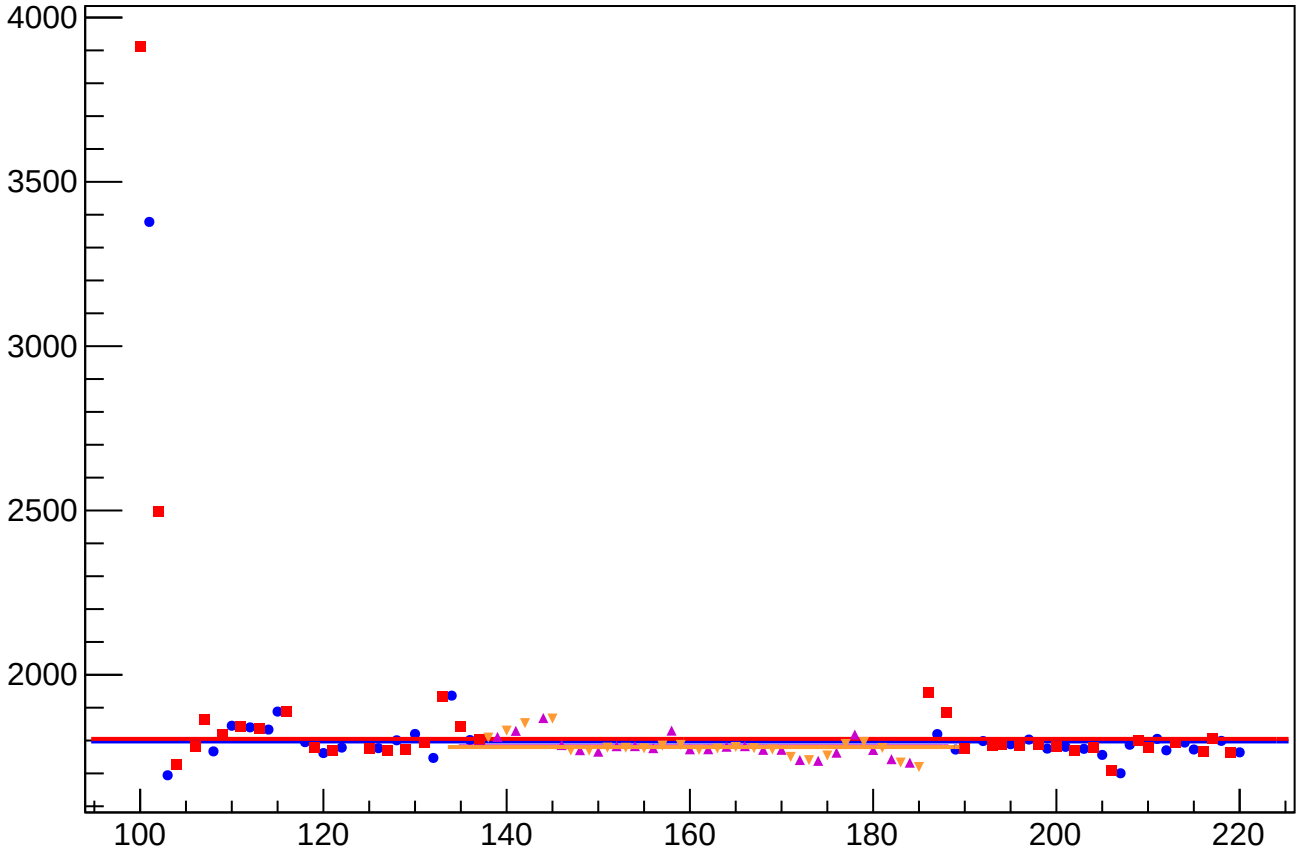
Right In: -635.412+/-393.101 χ²/NDF: 17.2/32
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: 118.252+/-395.127 χ²/NDF: 26.9/34
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -260.517+/-278.678 χ²/NDF: 45.9/67
In: -549.520+/-285.782 χ²/NDF:43.1/55
Out: -361.567+/-285.581 χ²/NDF:58.1/58
All: -455.477+/-202.007 χ²/NDF: 101.4/114



Right In: 1797.211+/-0.278 χ^2/NDF: 308103.0/32

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

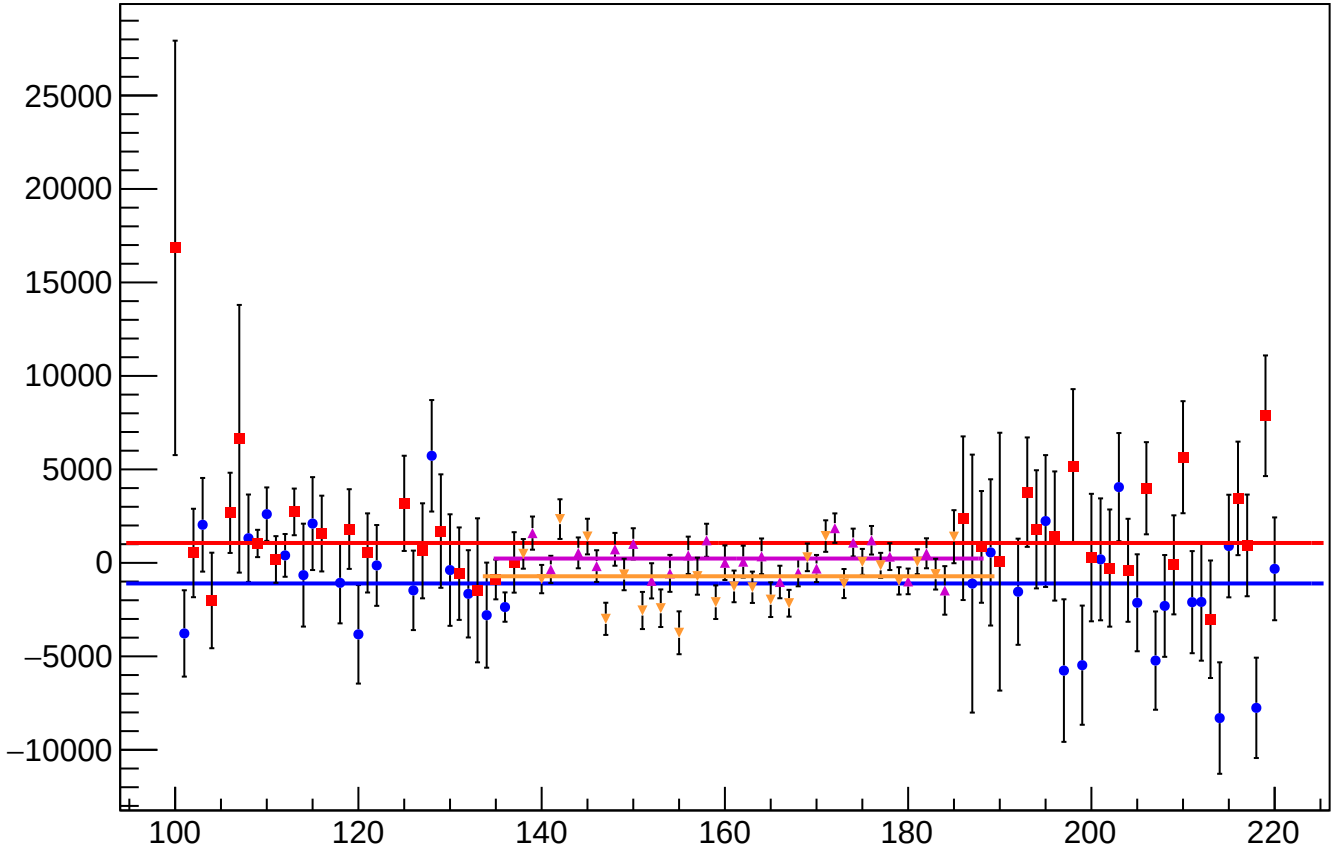
Right: 1801.117+/-0.197 χ^2/NDF: 459964.5/67

In: 1790.180+/-0.202 χ^2/NDF:320692.2/55

Out: 1793.198+/-0.202 χ^2/NDF:165621.0/58

All: 1791.690+/-0.143 χ^2/NDF: 486424.9/114

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1101.366+/-381.217 χ^2/NDF: 47.2/32

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 1064.259+/-352.184 χ^2/NDF: 25.9/34

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

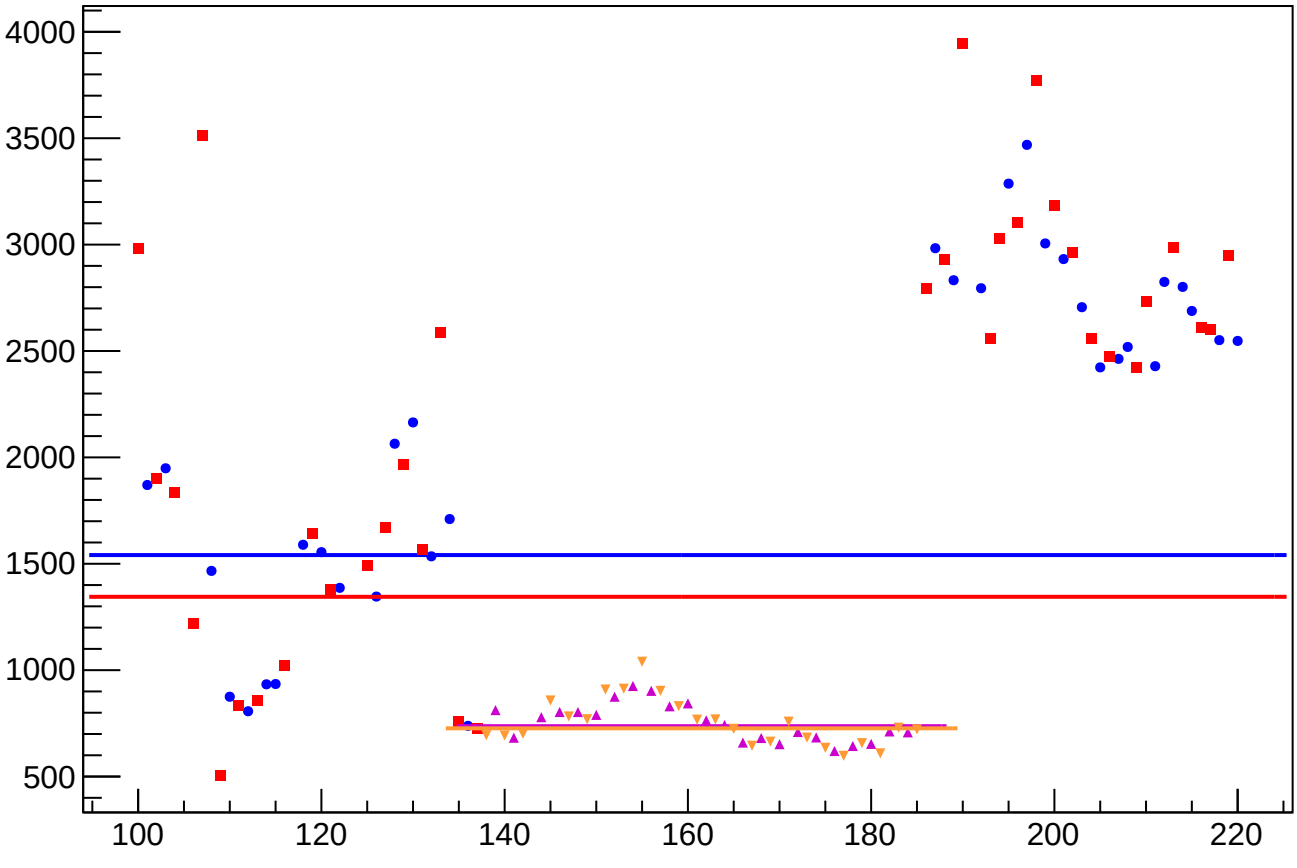
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

Right: 67.041+/-258.687 χ^2/NDF: 90.5/67

In: 2.780+/-157.866 χ^2/NDF:81.4/55

Out: -378.135+/-153.537 χ^2/NDF:106.0/58

All: -192.972+/-110.065 χ^2/NDF: 190.3/114


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
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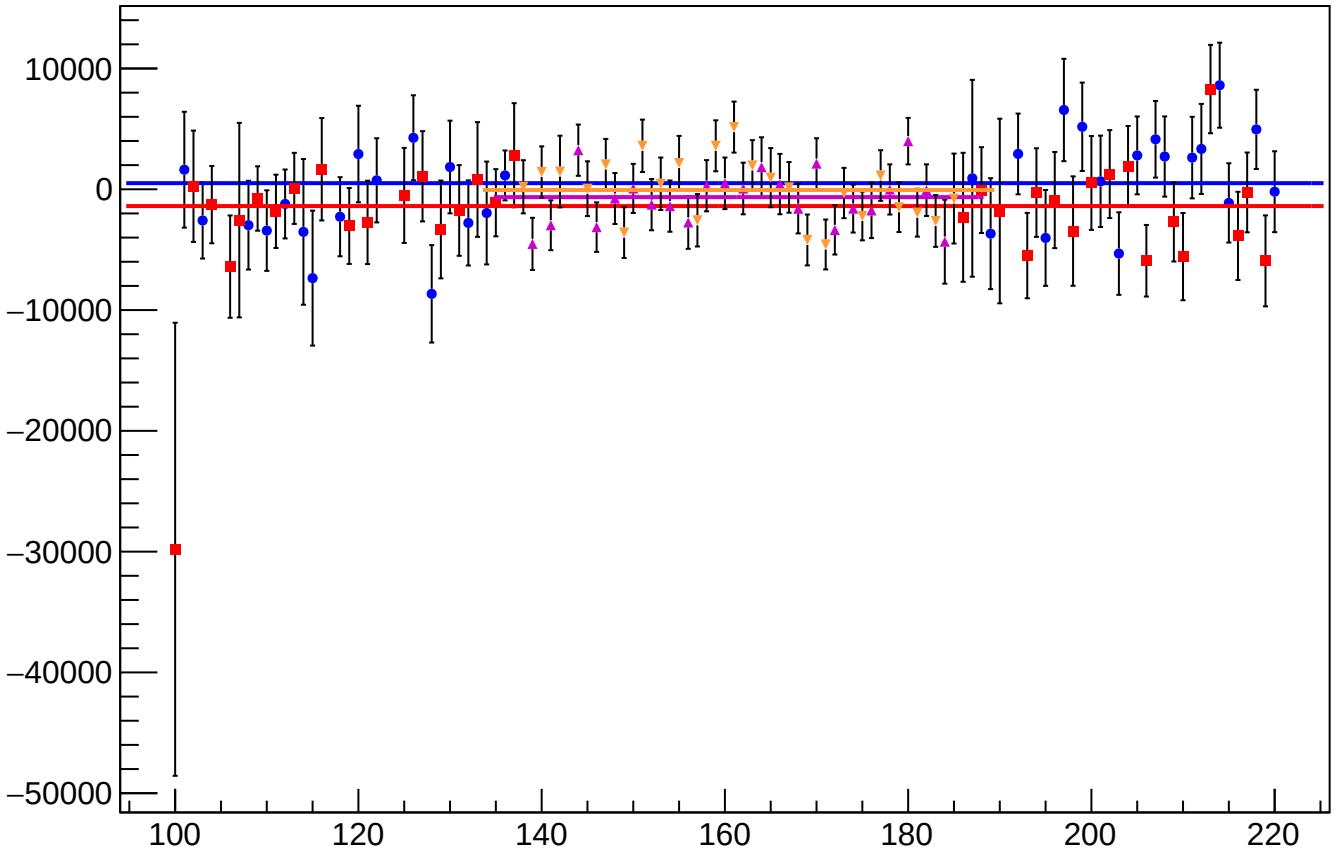
Right In: 1540.940+/-0.270 χ²/NDF: 9193535.3/32
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 1344.746+/-0.249 χ²/NDF: 12727802.5/34
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
Left: 731.574+/-0.086 χ²/NDF: 1153283.6/46
Right: 1435.089+/-0.183 χ²/NDF: 22207141.1/67
In: 874.624+/-0.112 χ²/NDF:17033343.7/55
Out: 844.087+/-0.109 χ²/NDF:18402821.0/58
All: 858.931+/-0.078 χ²/NDF: 35474622.4/11



Right In: 507.601+/-618.670 χ^2/NDF: 34.8/32

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1389.005+/-626.728 χ^2/NDF: 23.5/34

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

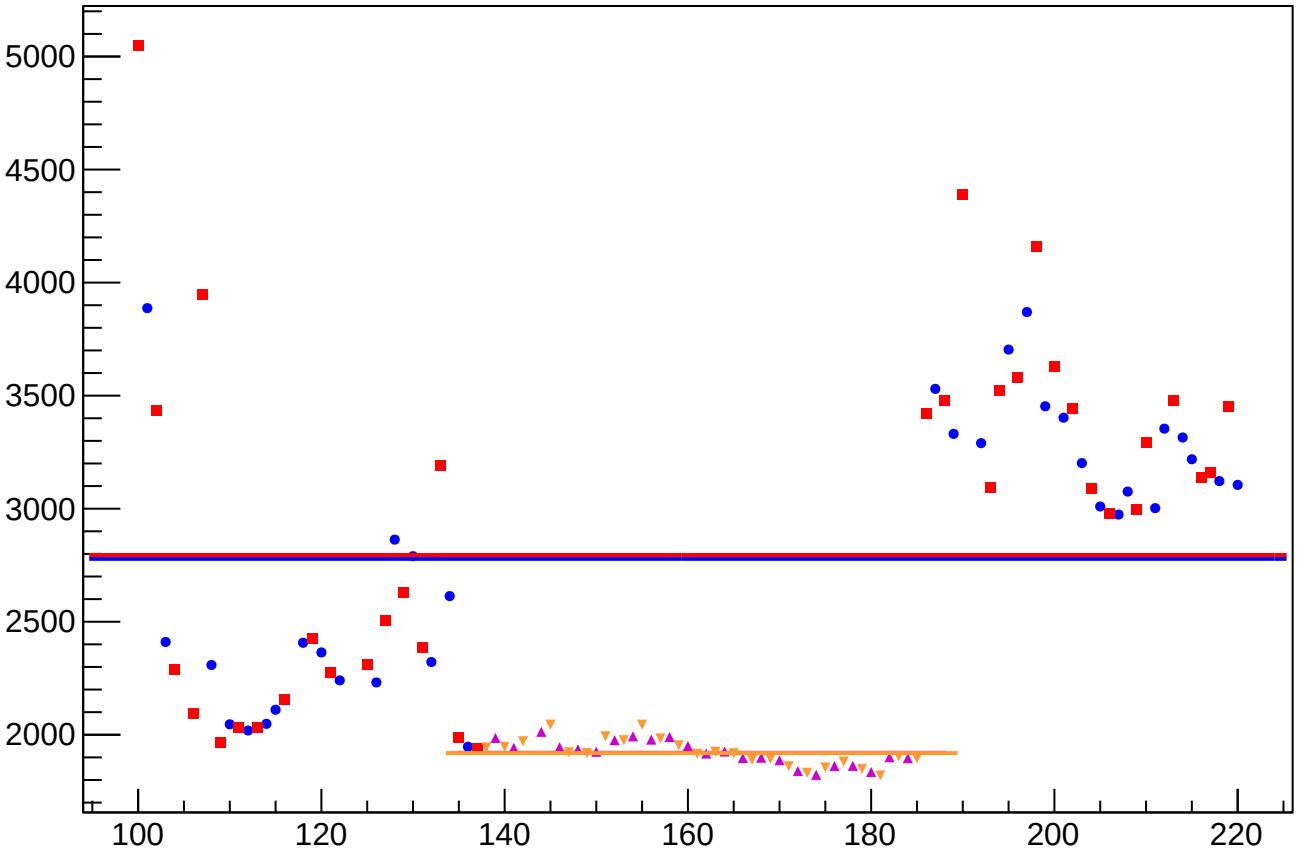
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -428.432+/-440.287 χ^2/NDF: 63.0/67

In: -249.142+/-363.141 χ^2/NDF:60.8/55

Out: -505.975+/-363.165 χ^2/NDF:59.5/58

All: -377.550+/-256.788 χ^2/NDF: 120.5/114



Right In: 2778.209+/-0.437 χ^2/NDF: 1669307.6/32

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2795.233+/-0.443 χ^2/NDF: 2056145.3/34

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

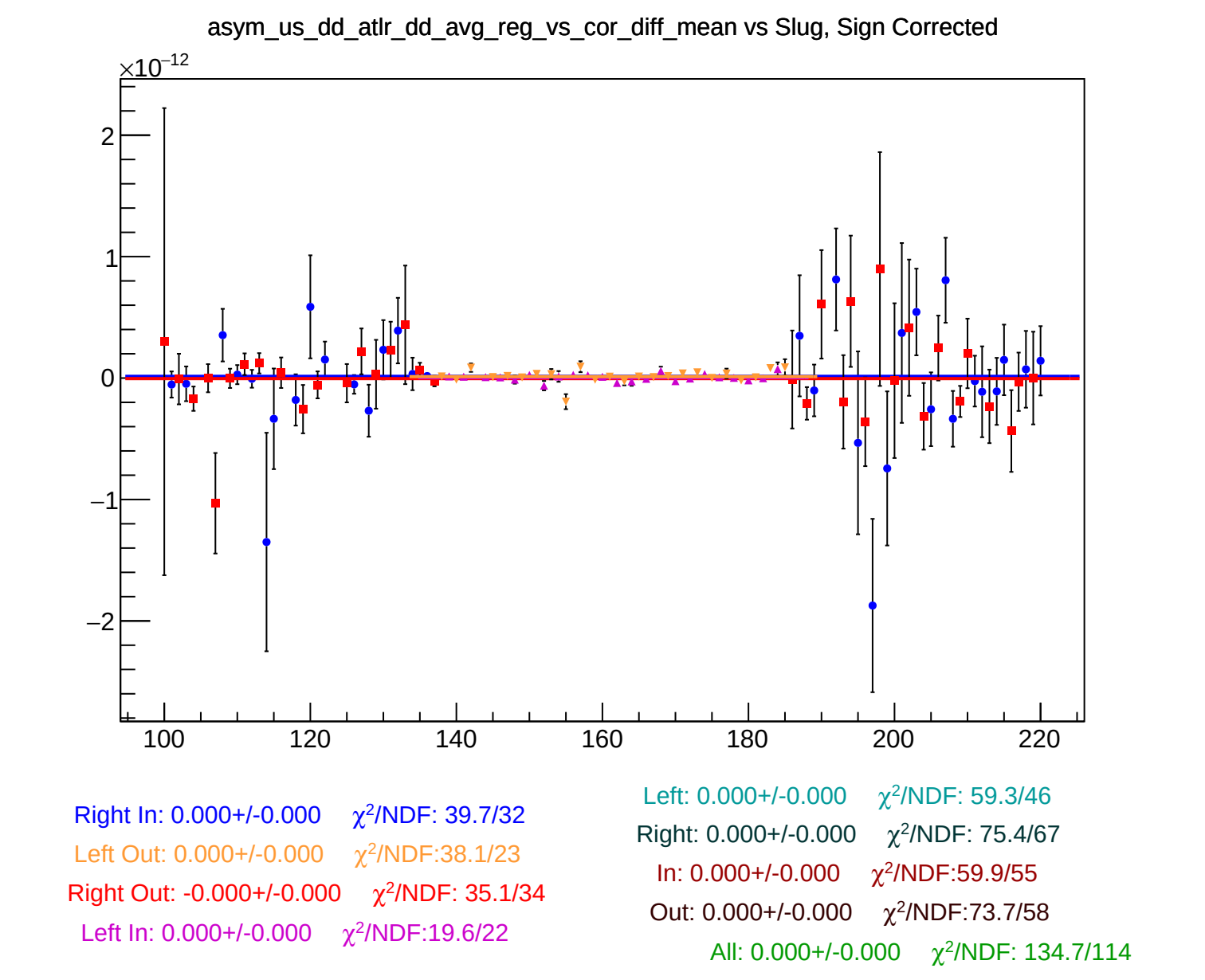
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

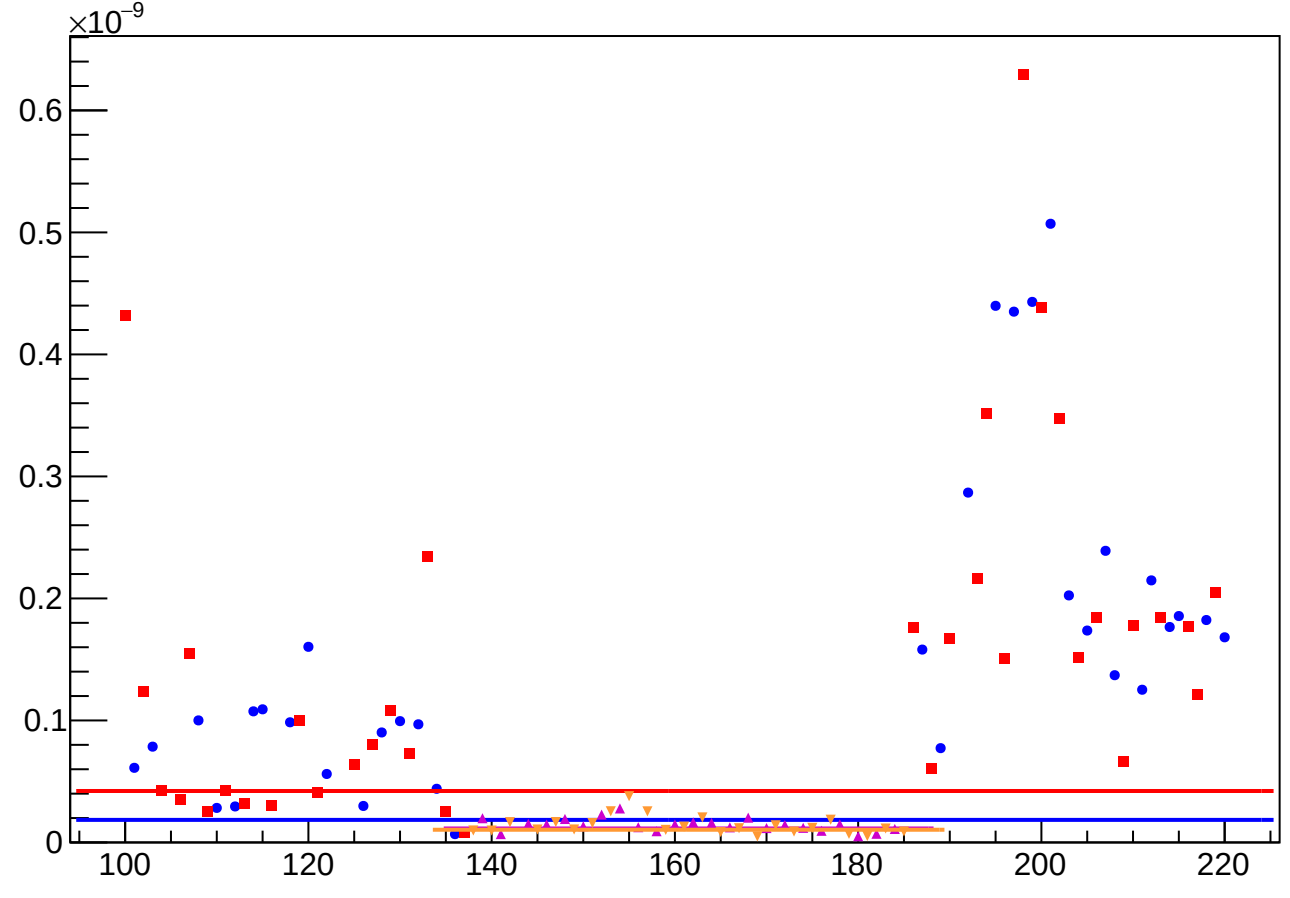
Right: 2786.610+/-0.311 χ^2/NDF: 3726200.3/67

In: 2215.823+/-0.257 χ^2/NDF:4220561.8/55

Out: 2213.203+/-0.257 χ^2/NDF:4688603.9/58

All: 2214.513+/-0.182 χ^2/NDF: 8909217.6/11


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 39.7/32
Left Out: 0.000+/-0.000 χ²/NDF:38.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 35.1/34
Left In: 0.000+/-0.000 χ²/NDF:19.6/22
Left: 0.000+/-0.000 χ²/NDF: 59.3/46
Right: 0.000+/-0.000 χ²/NDF: 75.4/67
In: 0.000+/-0.000 χ²/NDF:59.9/55
Out: 0.000+/-0.000 χ²/NDF:73.7/58
All: 0.000+/-0.000 χ²/NDF: 134.7/114



Right In: 0.000+/-0.000 χ^2/NDF: 13720381.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9330768.4/34

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

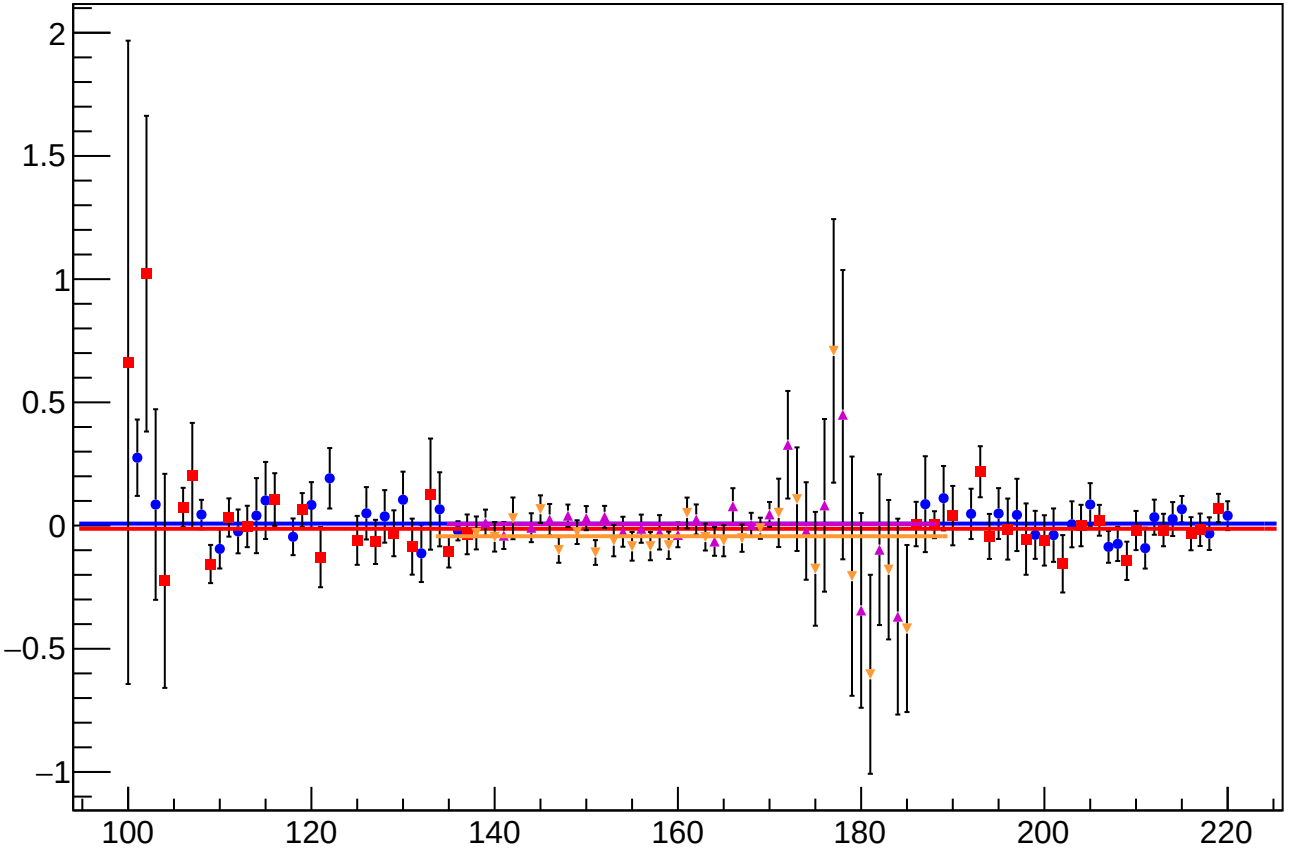
Right: 0.000+/-0.000 χ^2/NDF: 24653027.1/67

In: 0.000+/-0.000 χ^2/NDF:16075572.0/55

Out: 0.000+/-0.000 χ^2/NDF:15192152.5/58

All: 0.000+/-0.000 χ^2/NDF: 31281666.3/114

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.015 χ^2/NDF: 21.2/32

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

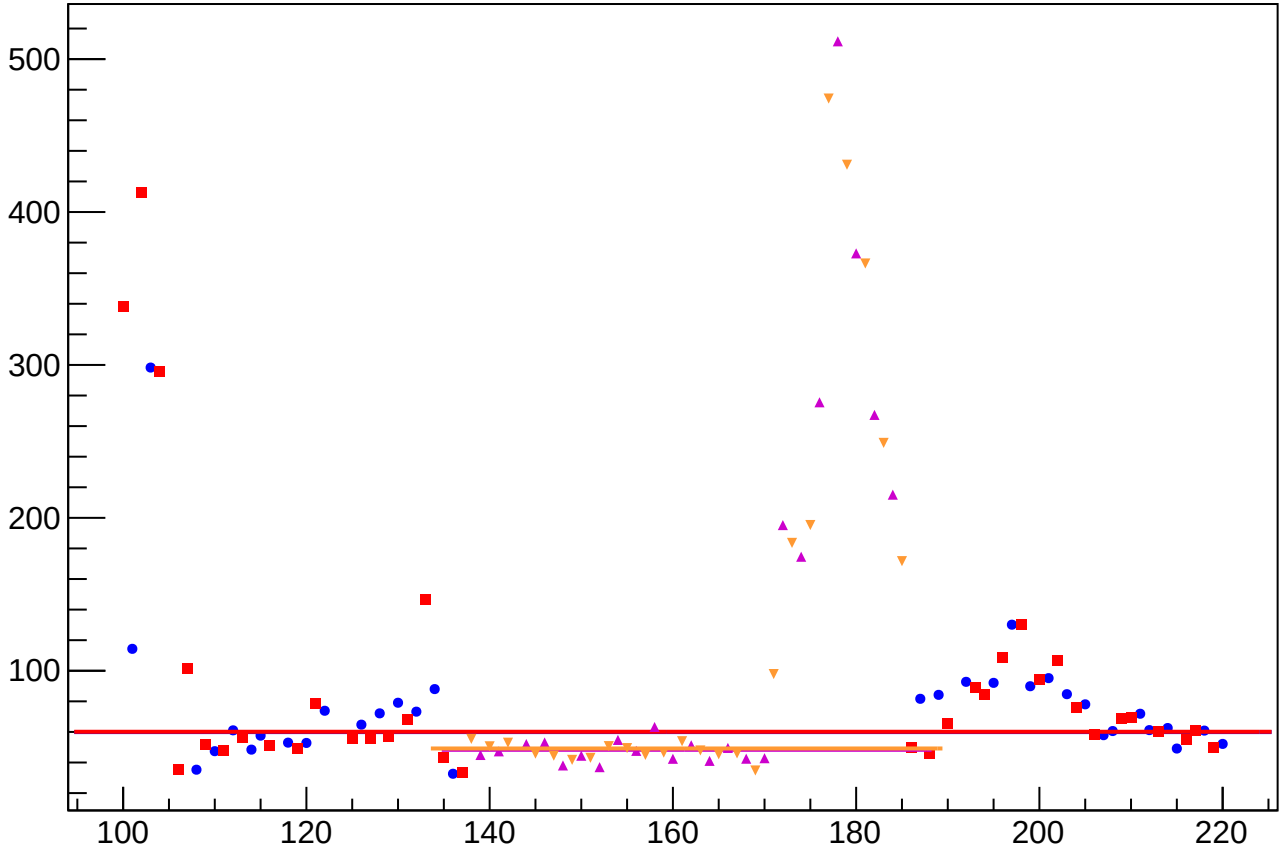
Right: -0.002+/-0.010 χ^2/NDF: 50.9/67

In: 0.007+/-0.010 χ^2/NDF:32.5/55

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.010+/-0.007 χ^2/NDF: 88.9/114

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.894+/-0.010 χ^2/NDF: 4372294.1/32

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

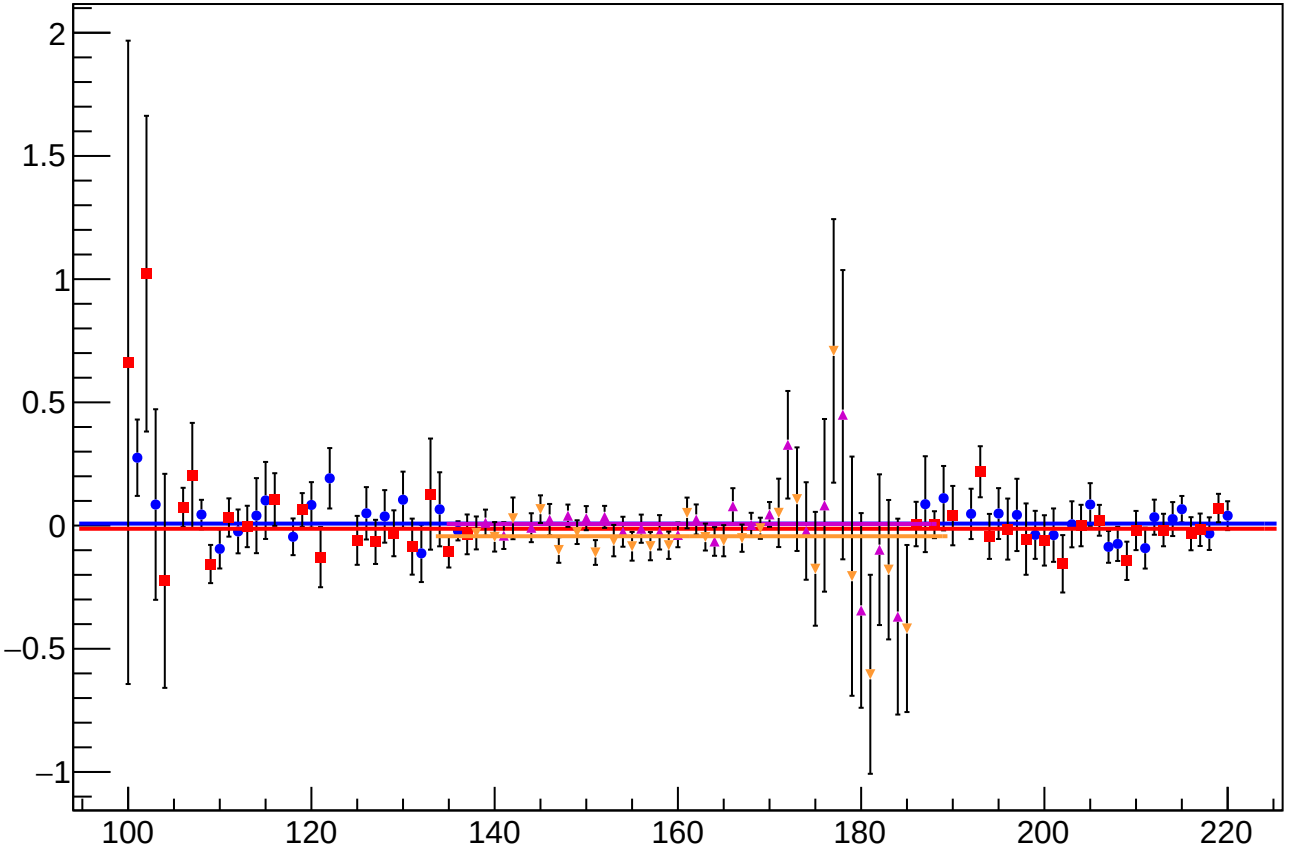
Right: 60.001+/-0.007 χ^2/NDF: 8772599.0/67

In: 53.672+/-0.007 χ^2/NDF:12092963.7/55

Out: 54.324+/-0.007 χ^2/NDF:12231824.8/58

All: 53.992+/-0.005 χ^2/NDF: 24329029.0/114

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.015 χ^2/NDF: 21.2/32

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

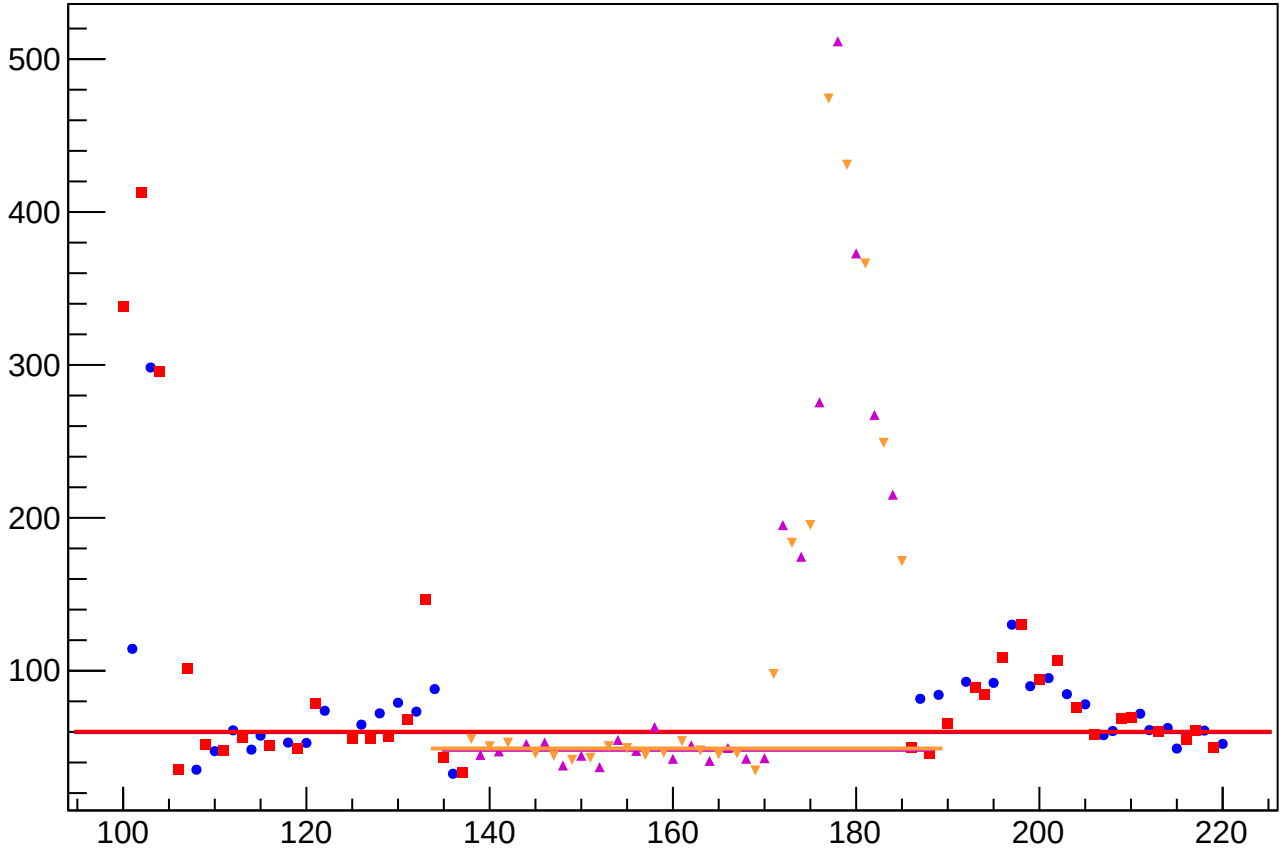
Right: -0.002+/-0.010 χ^2/NDF: 50.9/67

In: 0.007+/-0.010 χ^2/NDF:32.5/55

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.010+/-0.007 χ^2/NDF: 88.9/114

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.894+/-0.010 χ^2/NDF: 4372294.1/32

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

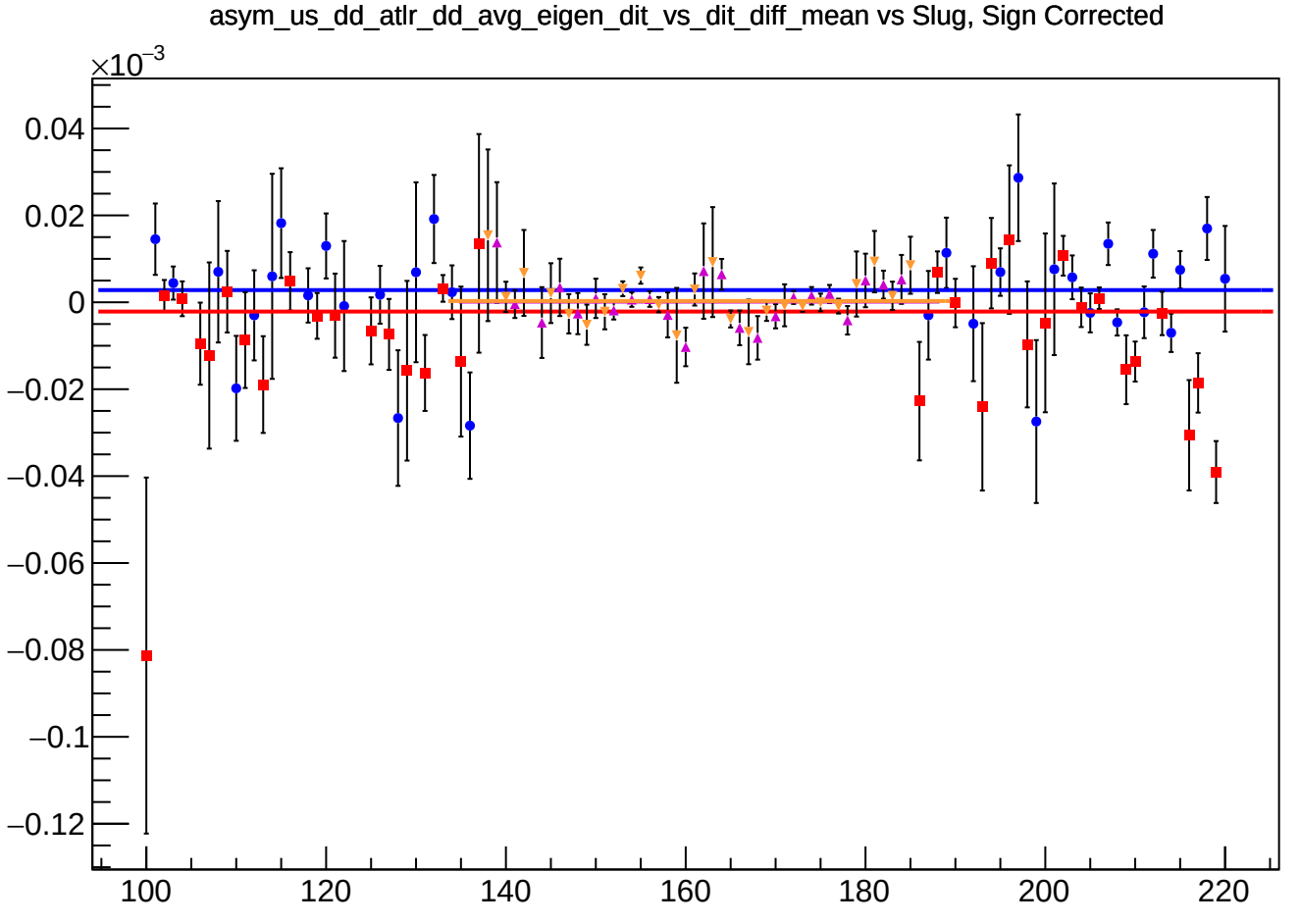
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.001+/-0.007 χ^2/NDF: 8772599.0/67

In: 53.672+/-0.007 χ^2/NDF:12092963.7/55

Out: 54.324+/-0.007 χ^2/NDF:12231824.8/58

All: 53.992+/-0.005 χ^2/NDF: 24329029.0/114



Right In: 0.000+/-0.000 χ^2/NDF: 56.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 83.7/34

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

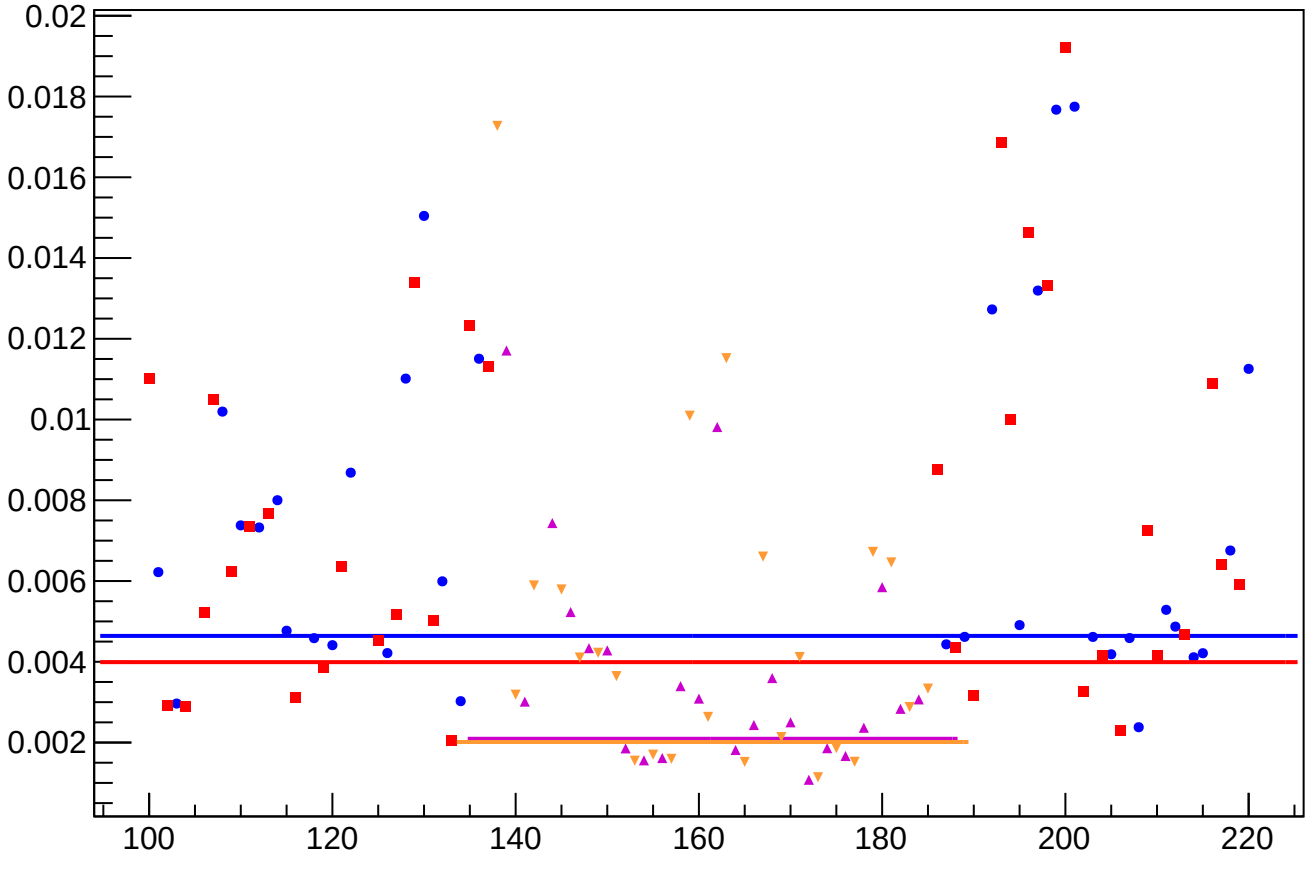
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 149.7/67

In: 0.000+/-0.000 χ^2/NDF:85.4/55

Out: -0.000+/-0.000 χ^2/NDF:116.7/58

All: 0.000+/-0.000 χ^2/NDF: 203.9/114



Right In: 0.005+/-0.000 χ^2/NDF: 8040372.3/32

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 10105808.7/34

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

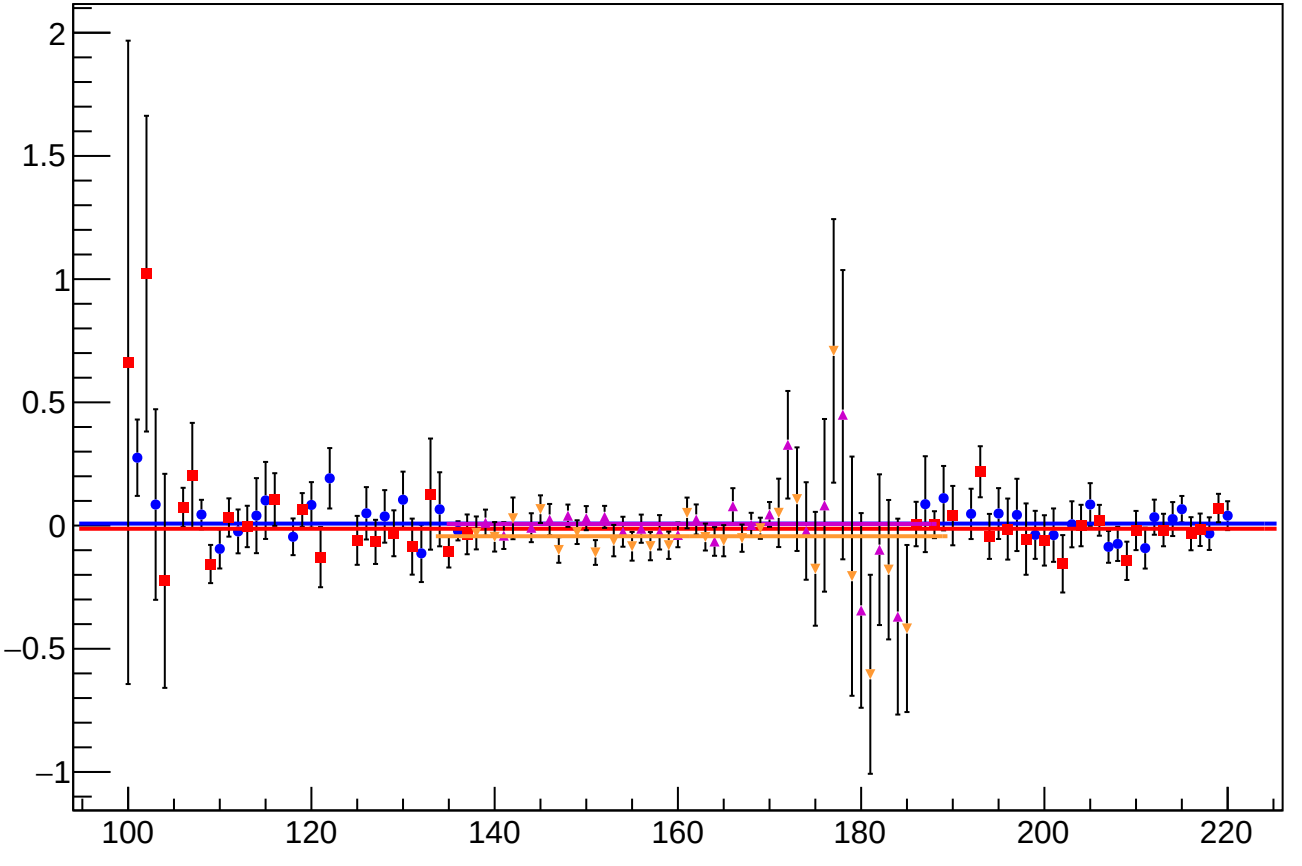
Right: 0.004+/-0.000 χ^2/NDF: 18492127.5/67

In: 0.003+/-0.000 χ^2/NDF:22718268.8/55

Out: 0.002+/-0.000 χ^2/NDF:25927323.6/58

All: 0.003+/-0.000 χ^2/NDF: 48759661.9/114

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.015 χ^2/NDF: 21.2/32

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

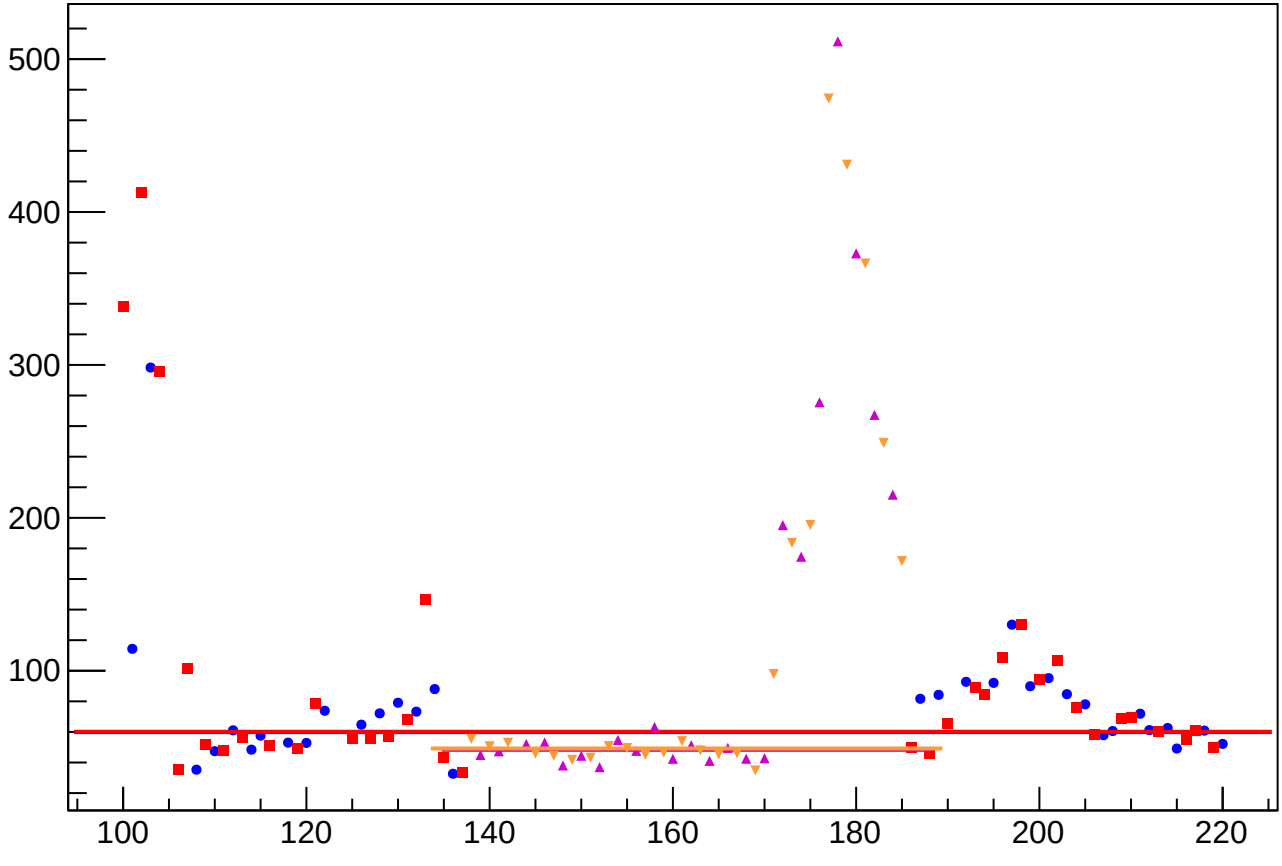
Right: -0.002+/-0.010 χ^2/NDF: 50.9/67

In: 0.007+/-0.010 χ^2/NDF:32.5/55

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.010+/-0.007 χ^2/NDF: 88.9/114

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.894+/-0.010 χ^2/NDF: 4372112.9/32

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

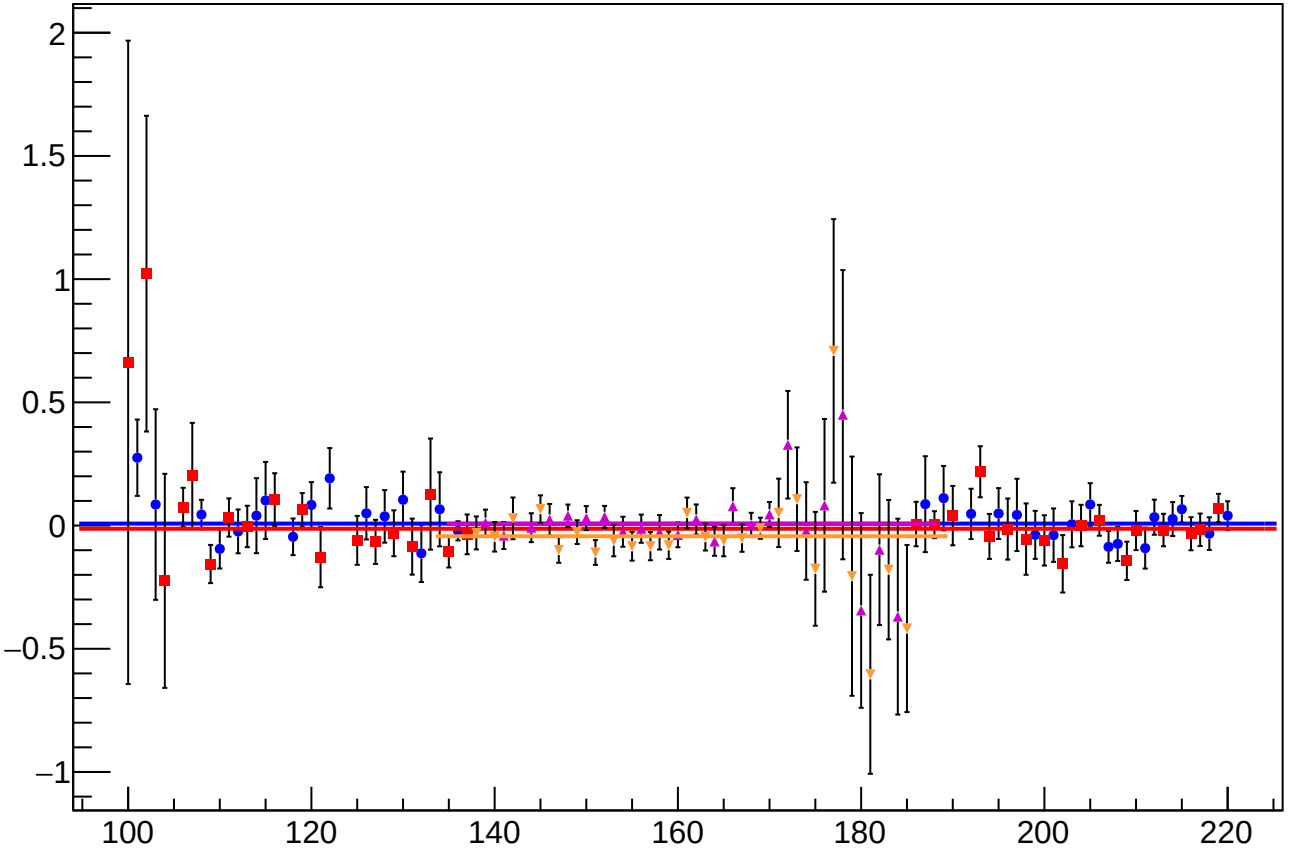
Right: 60.002+/-0.007 χ^2/NDF: 8772259.0/67

In: 53.673+/-0.007 χ^2/NDF:12092709.7/55

Out: 54.324+/-0.007 χ^2/NDF:12231782.4/58

All: 53.992+/-0.005 χ^2/NDF: 24328729.5/114

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.015 χ^2/NDF: 21.2/32

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

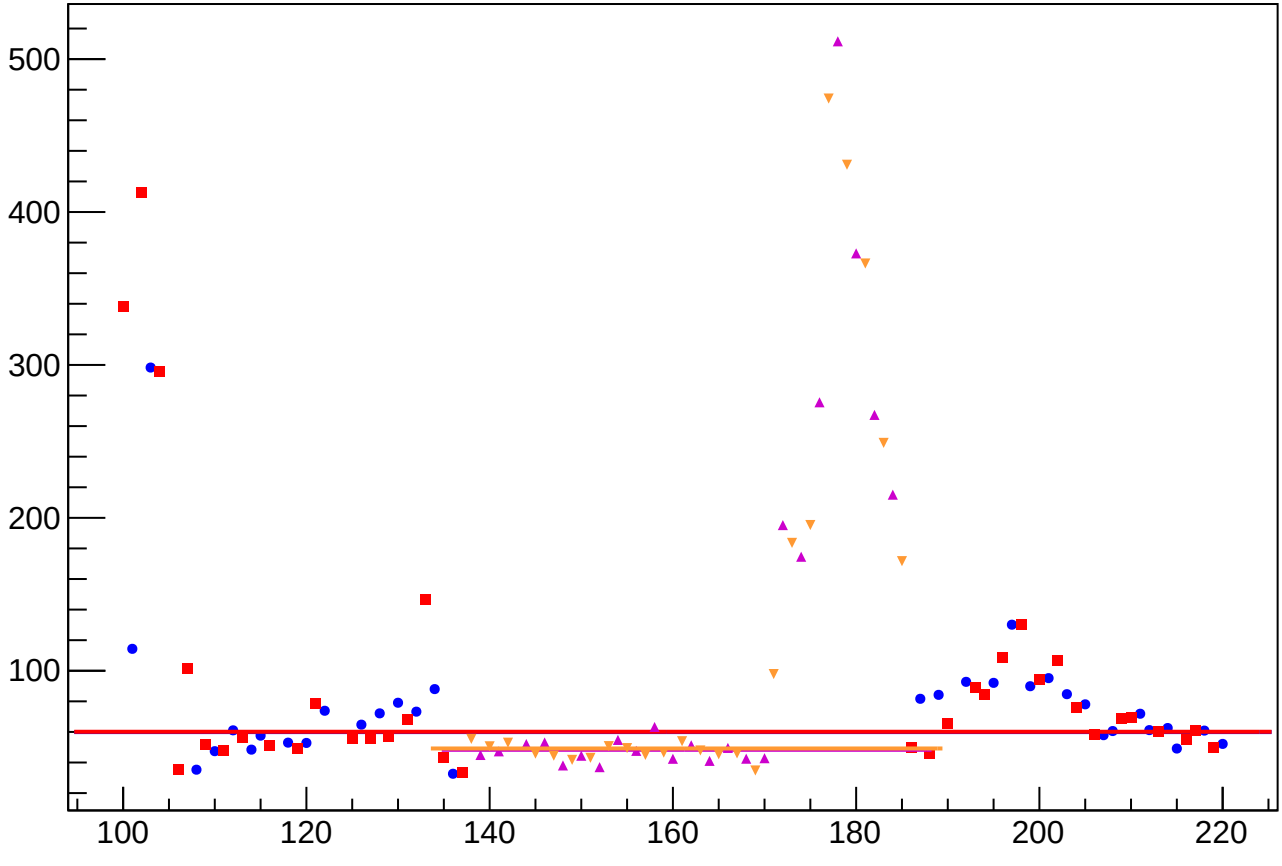
Right: -0.002+/-0.010 χ^2/NDF: 50.9/67

In: 0.007+/-0.010 χ^2/NDF:32.5/55

Out: -0.029+/-0.010 χ^2/NDF:49.8/58

All: -0.010+/-0.007 χ^2/NDF: 88.9/114

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.894+/-0.010 χ^2/NDF: 4372112.9/32

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

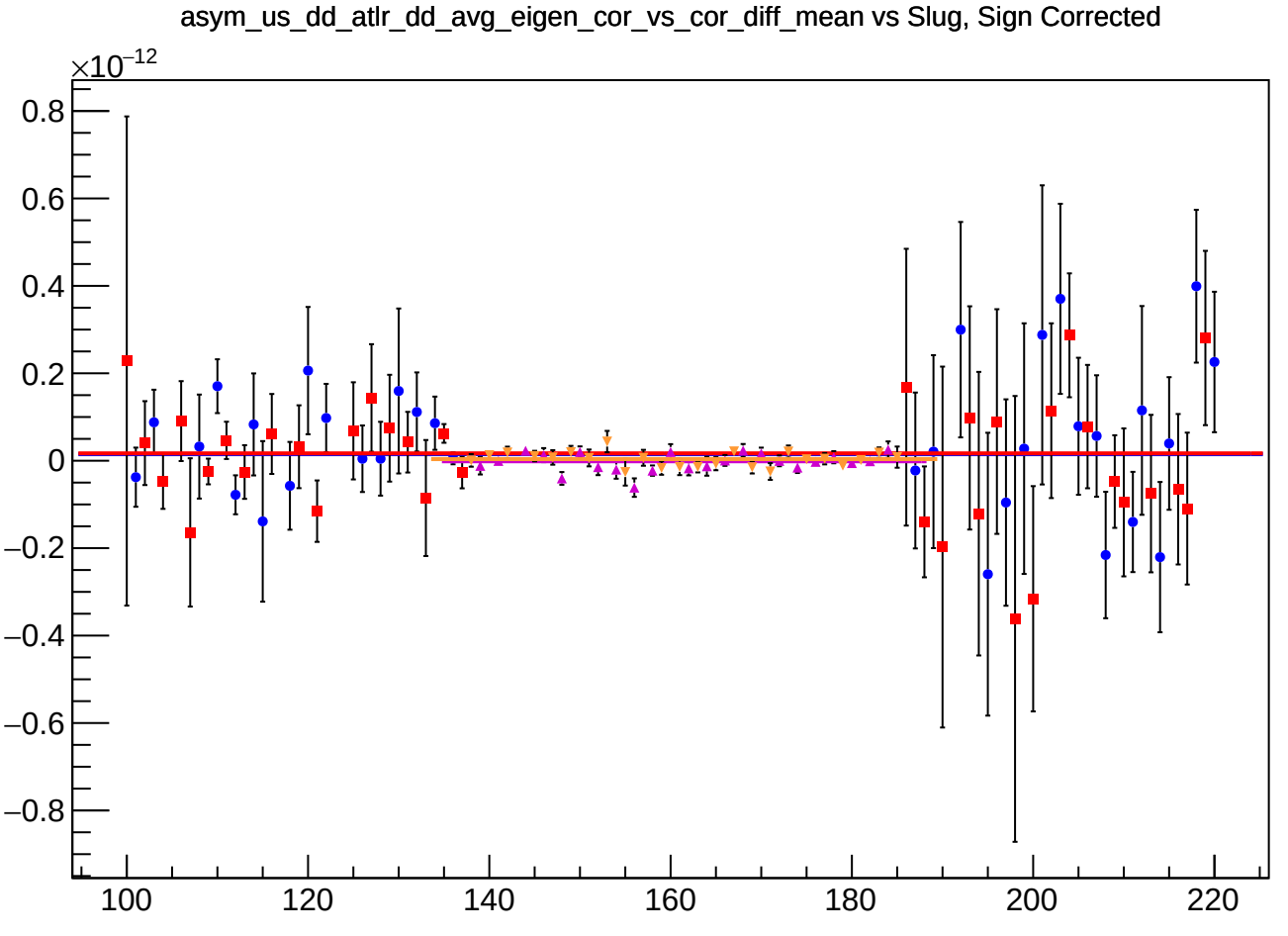
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 60.002+/-0.007 χ^2/NDF: 8772259.0/67

In: 53.673+/-0.007 χ^2/NDF:12092709.7/55

Out: 54.324+/-0.007 χ^2/NDF:12231782.4/58

All: 53.992+/-0.005 χ^2/NDF: 24328729.5/114



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/34

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

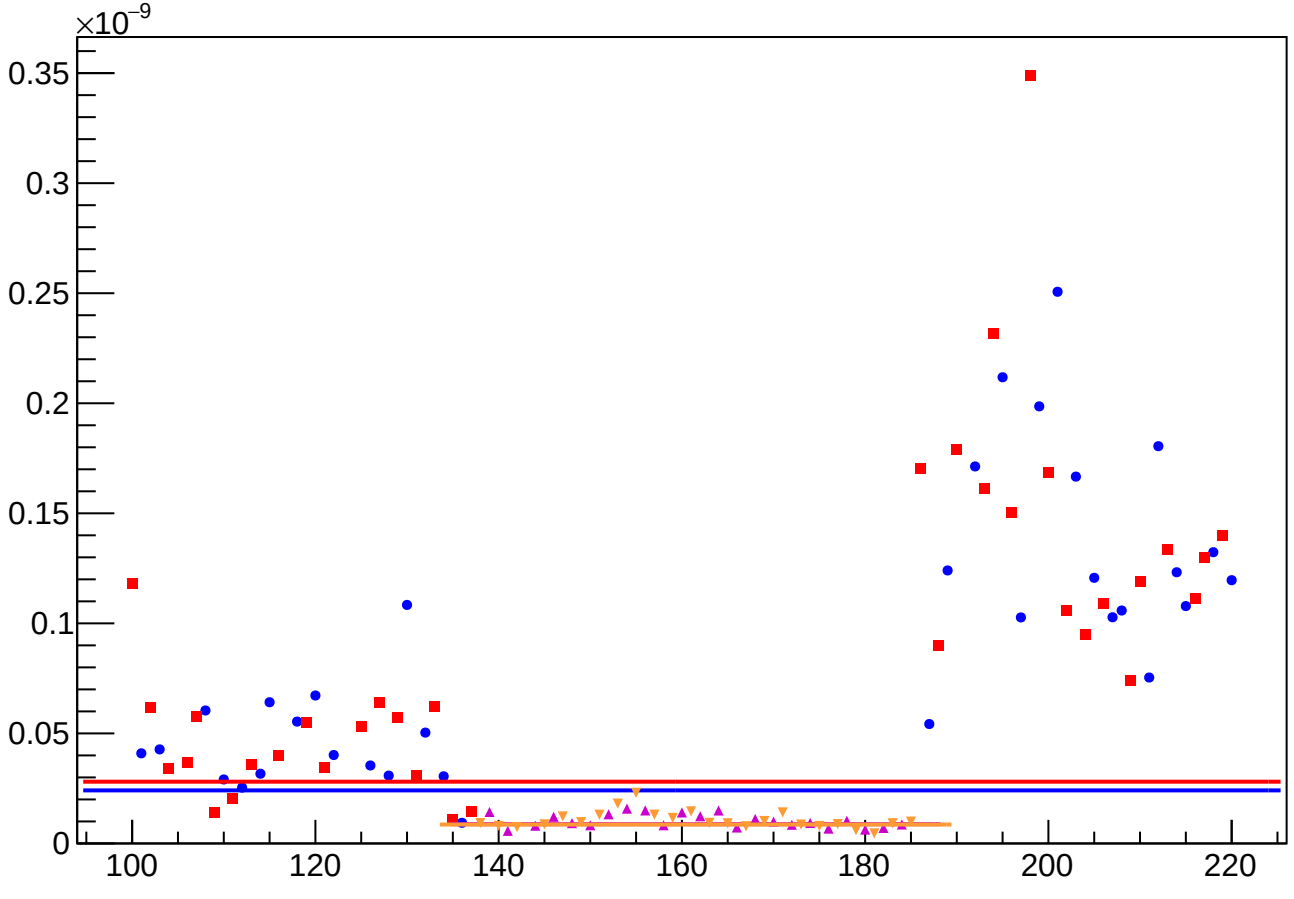
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 69.5/67

In: -0.000+/-0.000 χ^2/NDF:81.3/55

Out: 0.000+/-0.000 χ^2/NDF:56.0/58

All: 0.000+/-0.000 χ^2/NDF: 138.9/114



Right In: 0.000+/-0.000 χ^2/NDF: 14600979.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12384185.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

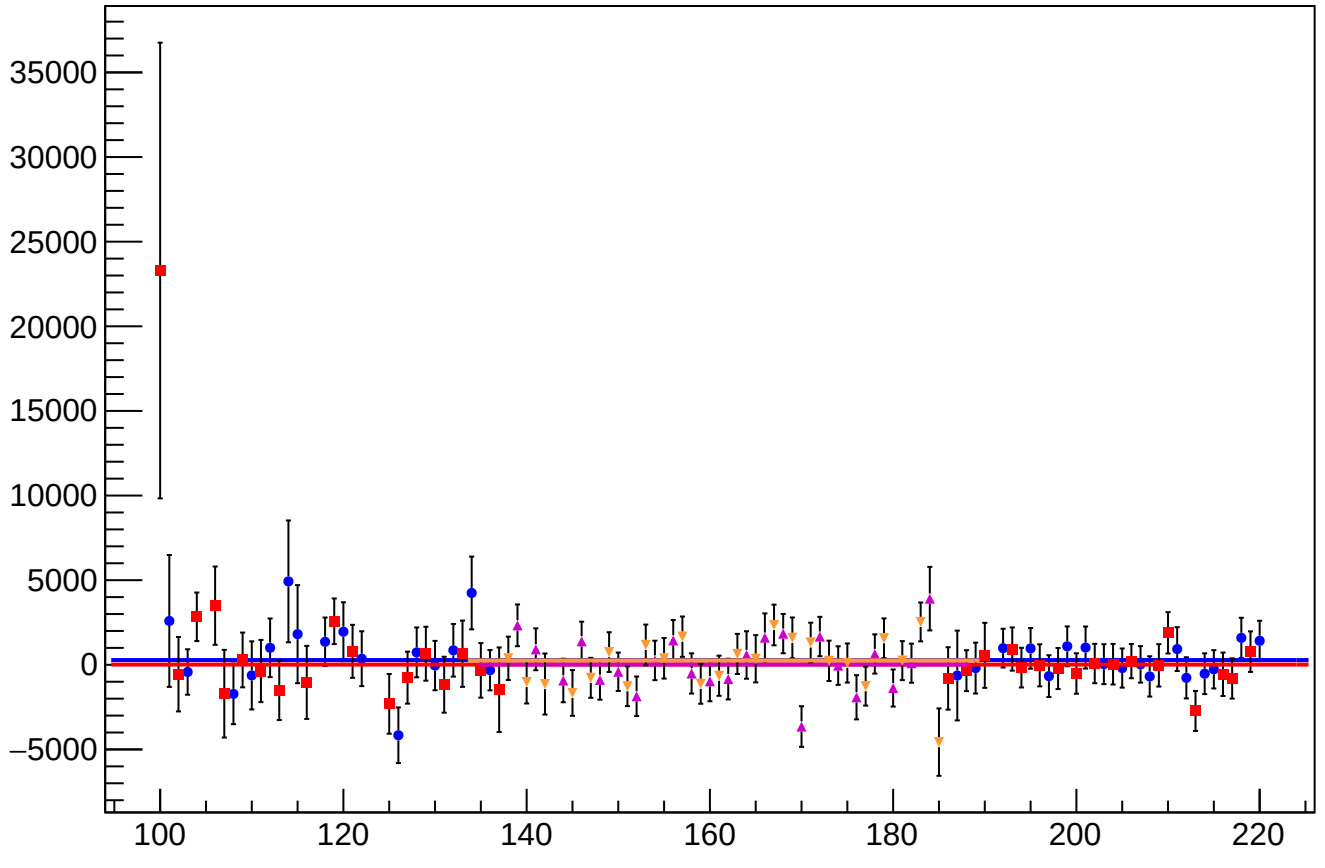
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 27102900.3/67

In: 0.000+/-0.000 χ^2/NDF:20251287.9/55

Out: 0.000+/-0.000 χ^2/NDF:19849199.5/58

All: 0.000+/-0.000 χ^2/NDF: 40103061.1/114



Right In: 281.770+/-243.878 χ^2/NDF: 24.0/32

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 14.301+/-245.608 χ^2/NDF: 27.7/34

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

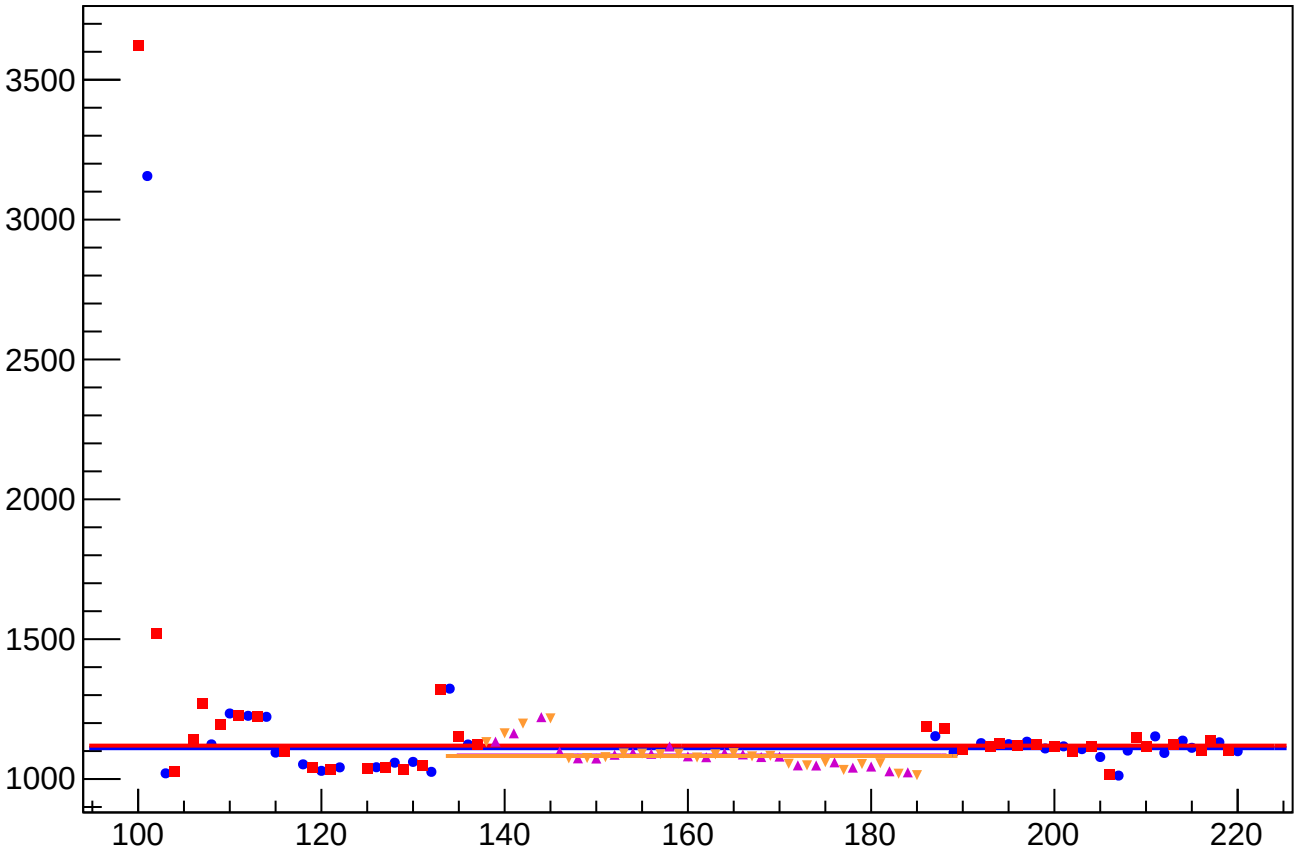
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 148.980+/-173.056 χ^2/NDF: 52.3/67

In: 156.999+/-175.695 χ^2/NDF:60.4/55

Out: 134.604+/-175.683 χ^2/NDF:56.4/58

All: 145.801+/-124.231 χ^2/NDF: 116.8/114



Right In: 1110.182+/-0.172 χ^2/NDF: 648448.6/32

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.411+/-0.174 χ^2/NDF: 253824.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

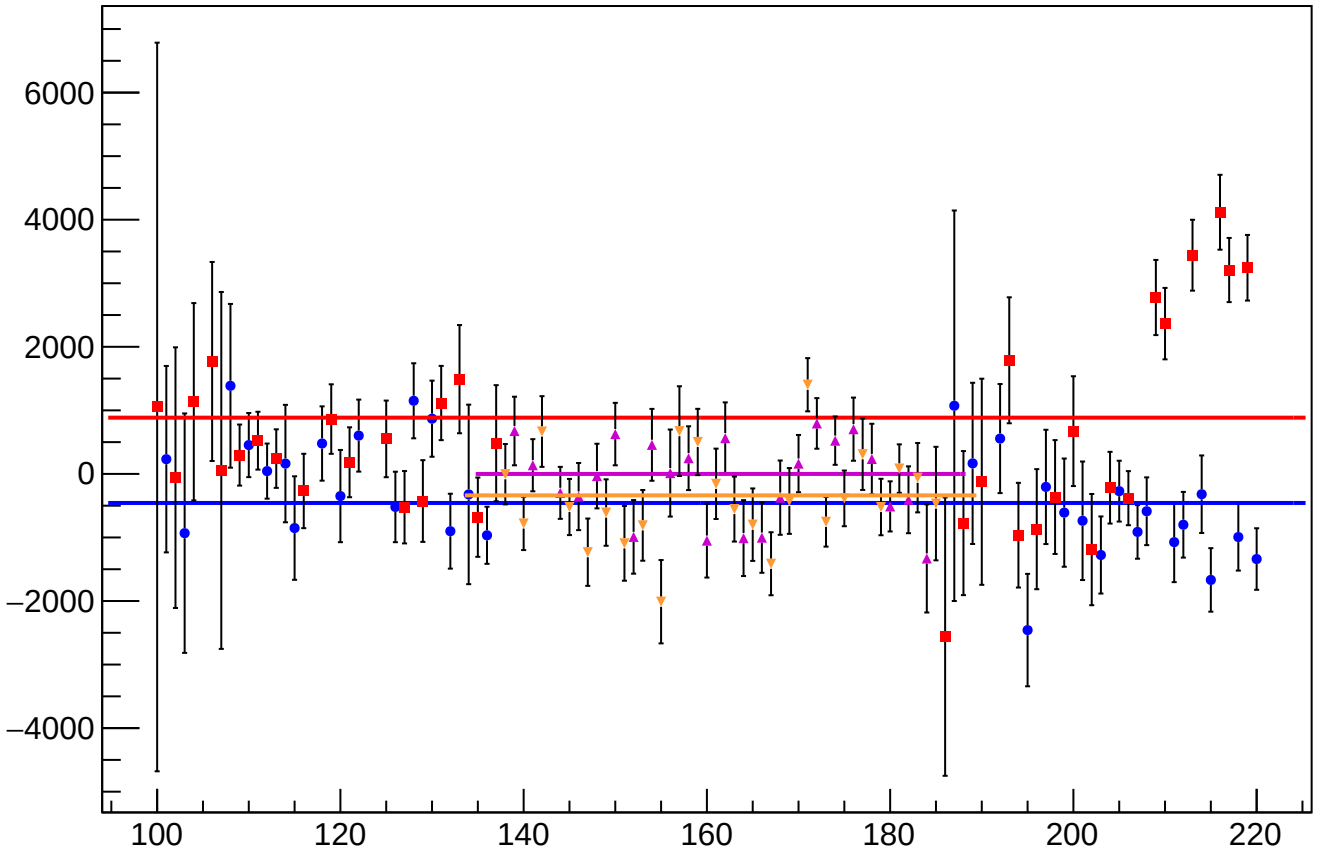
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1114.764+/-0.122 χ^2/NDF: 903694.9/67

In: 1097.669+/-0.124 χ^2/NDF:712834.6/55

Out: 1101.292+/-0.124 χ^2/NDF:333987.3/58

All: 1099.480+/-0.088 χ^2/NDF: 1047247.3/11



Right In: -457.108+/-110.004 χ^2/NDF: 50.0/32

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 885.096+/-112.993 χ^2/NDF: 172.9/34

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

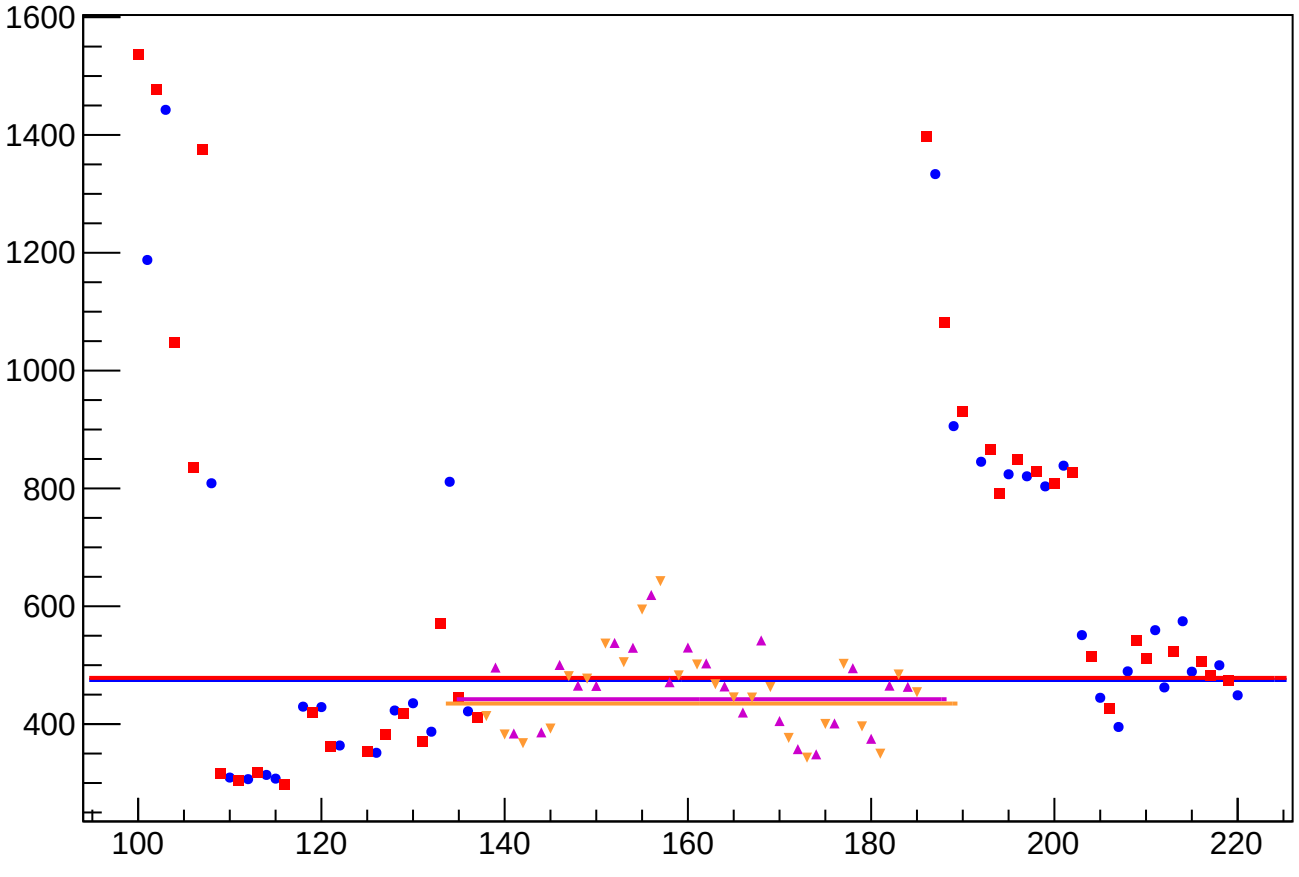
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 196.007+/-78.820 χ^2/NDF: 295.3/67

In: -217.627+/-75.852 χ^2/NDF:90.9/55

Out: 214.882+/-75.959 χ^2/NDF:285.9/58

All: -1.676+/-53.673 χ^2/NDF: 393.0/114



Right In: 474.839+/-0.078 χ^2/NDF: 4388199.7/32

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 478.418+/-0.080 χ^2/NDF: 5432789.0/34

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

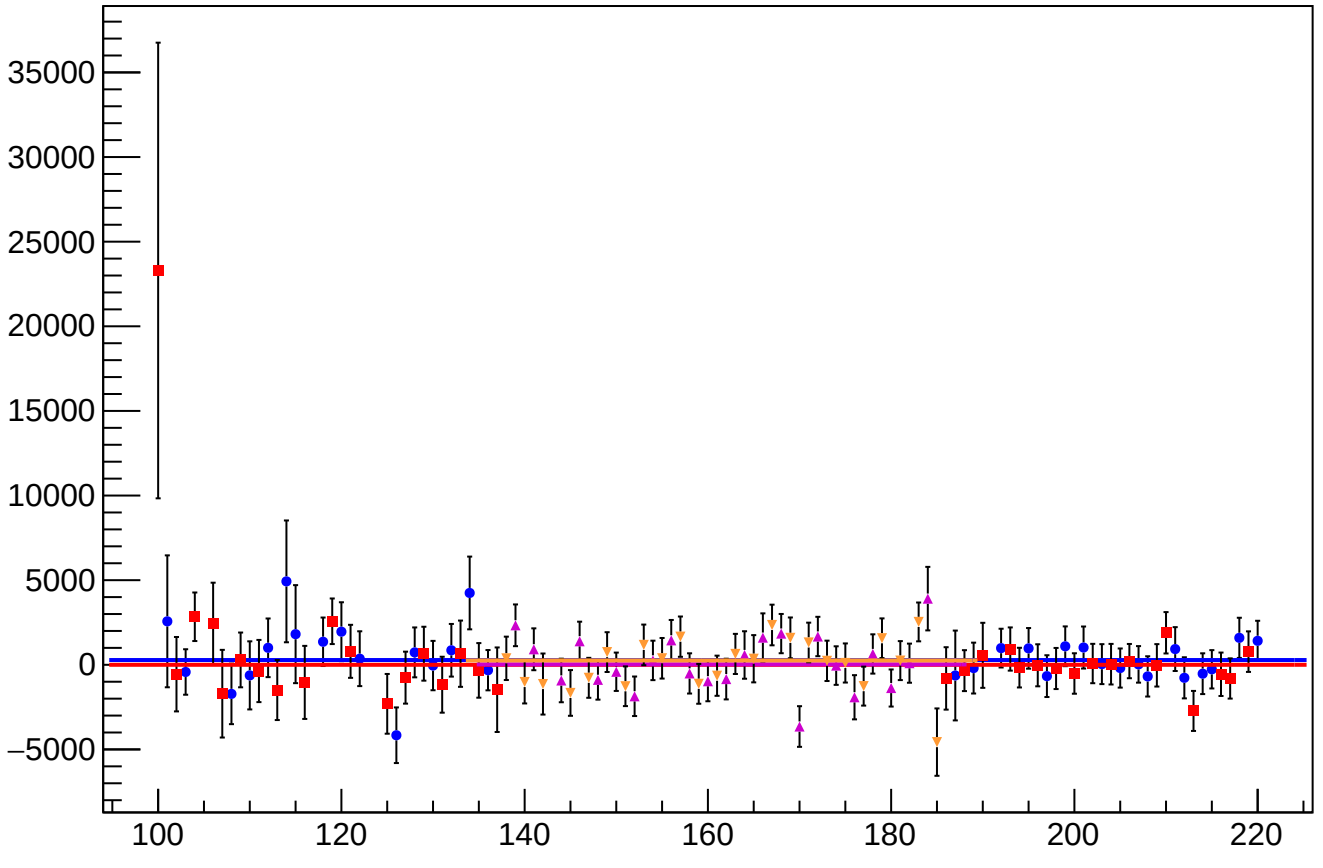
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 476.581+/-0.056 χ^2/NDF: 9822018.6/67

In: 457.724+/-0.054 χ^2/NDF:5306480.4/55

Out: 454.544+/-0.054 χ^2/NDF:6474115.0/58

All: 456.136+/-0.038 χ^2/NDF: 11782350.5/11



Right In: 281.649+/-243.878 χ^2/NDF: 24.0/32

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 0.308+/-245.714 χ^2/NDF: 26.4/34

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

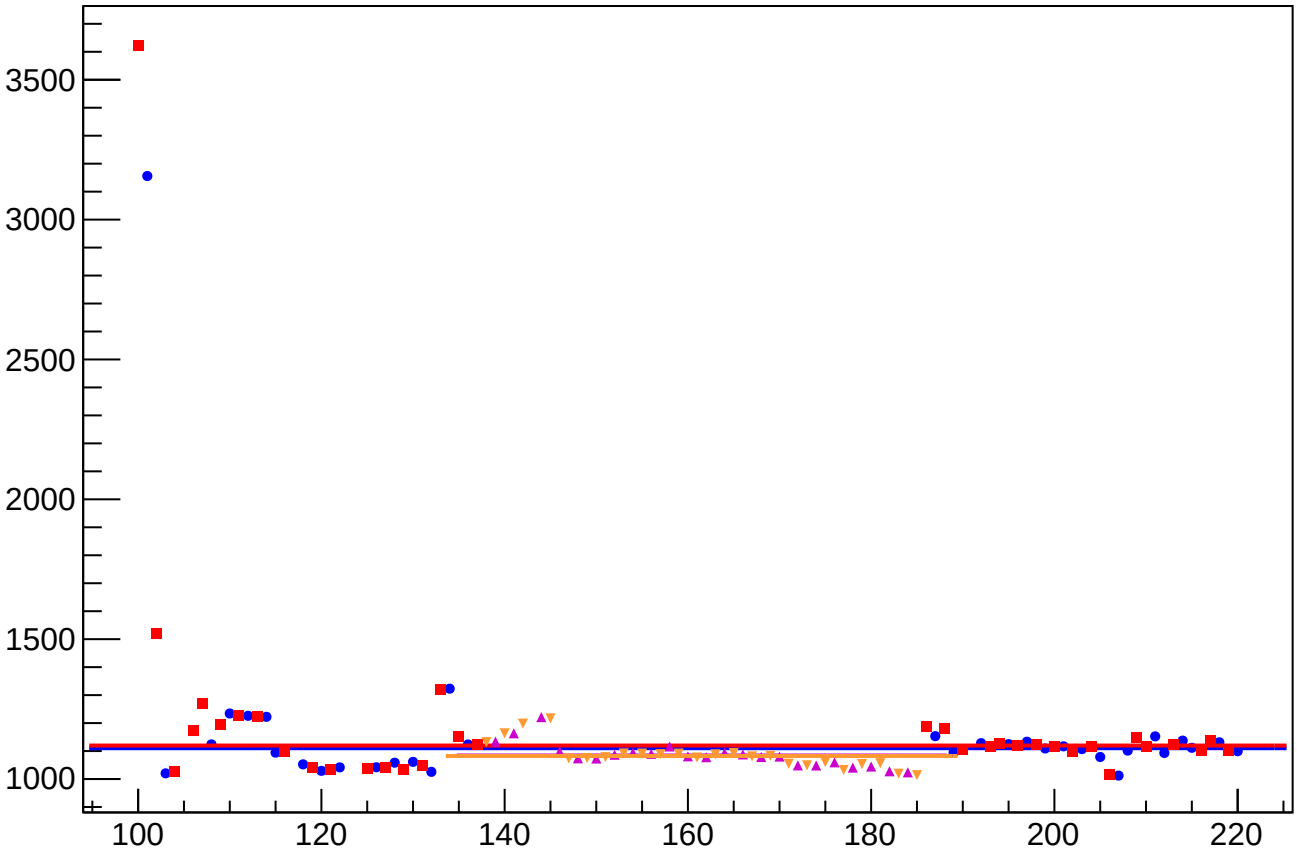
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 142.034+/-173.093 χ^2/NDF: 51.1/67

In: 156.934+/-175.695 χ^2/NDF:60.4/55

Out: 127.496+/-175.722 χ^2/NDF:55.2/58

All: 142.217+/-124.245 χ^2/NDF: 115.6/114



Right In: 1110.182+/-0.172 χ^2/NDF: 648449.6/32

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

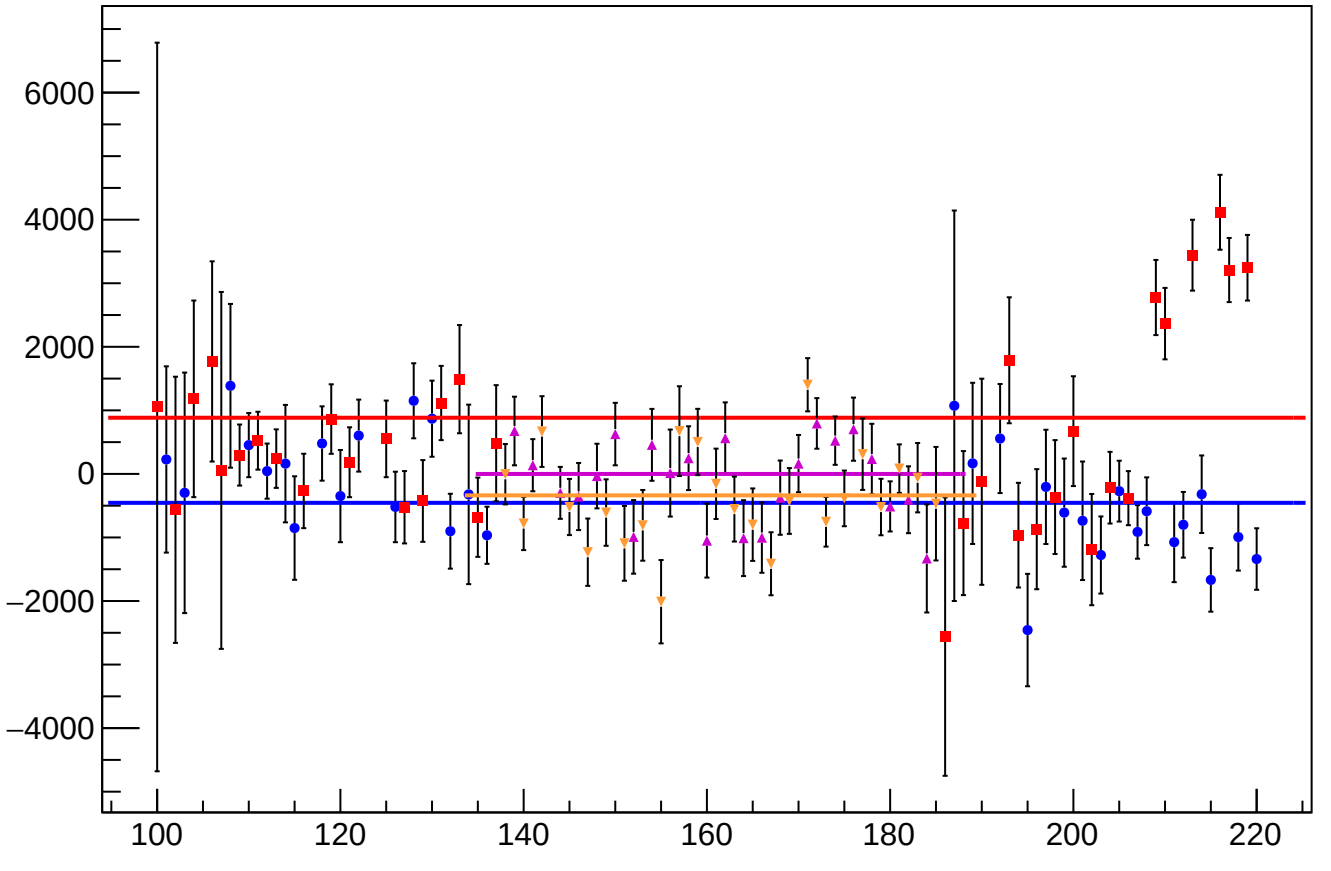
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.915+/-0.122 χ^2/NDF: 904568.7/67

In: 1097.669+/-0.124 χ^2/NDF:712835.5/55

Out: 1101.441+/-0.124 χ^2/NDF:335126.2/58

All: 1099.555+/-0.088 χ^2/NDF: 1048422.9/11



Right In: -455.040+/-110.005 χ^2/NDF: 49.9/32

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 883.983+/-113.002 χ^2/NDF: 173.2/34

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

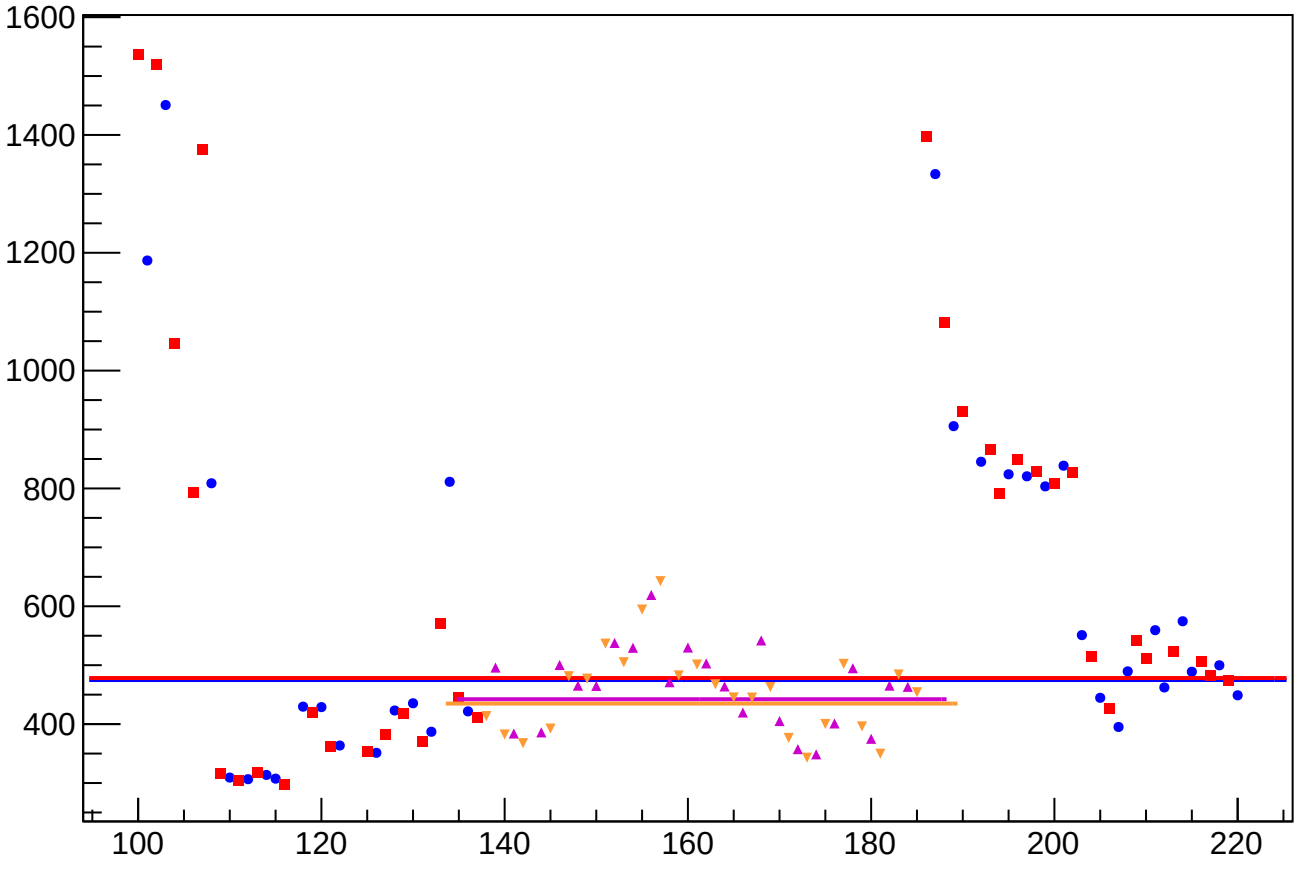
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 196.478+/-78.823 χ^2/NDF: 295.2/67

In: -216.653+/-75.853 χ^2/NDF:90.7/55

Out: 214.279+/-75.961 χ^2/NDF:286.1/58

All: -1.496+/-53.674 χ^2/NDF: 392.9/114



Right In: 474.836+/-0.078 χ^2/NDF: 4391993.9/32

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

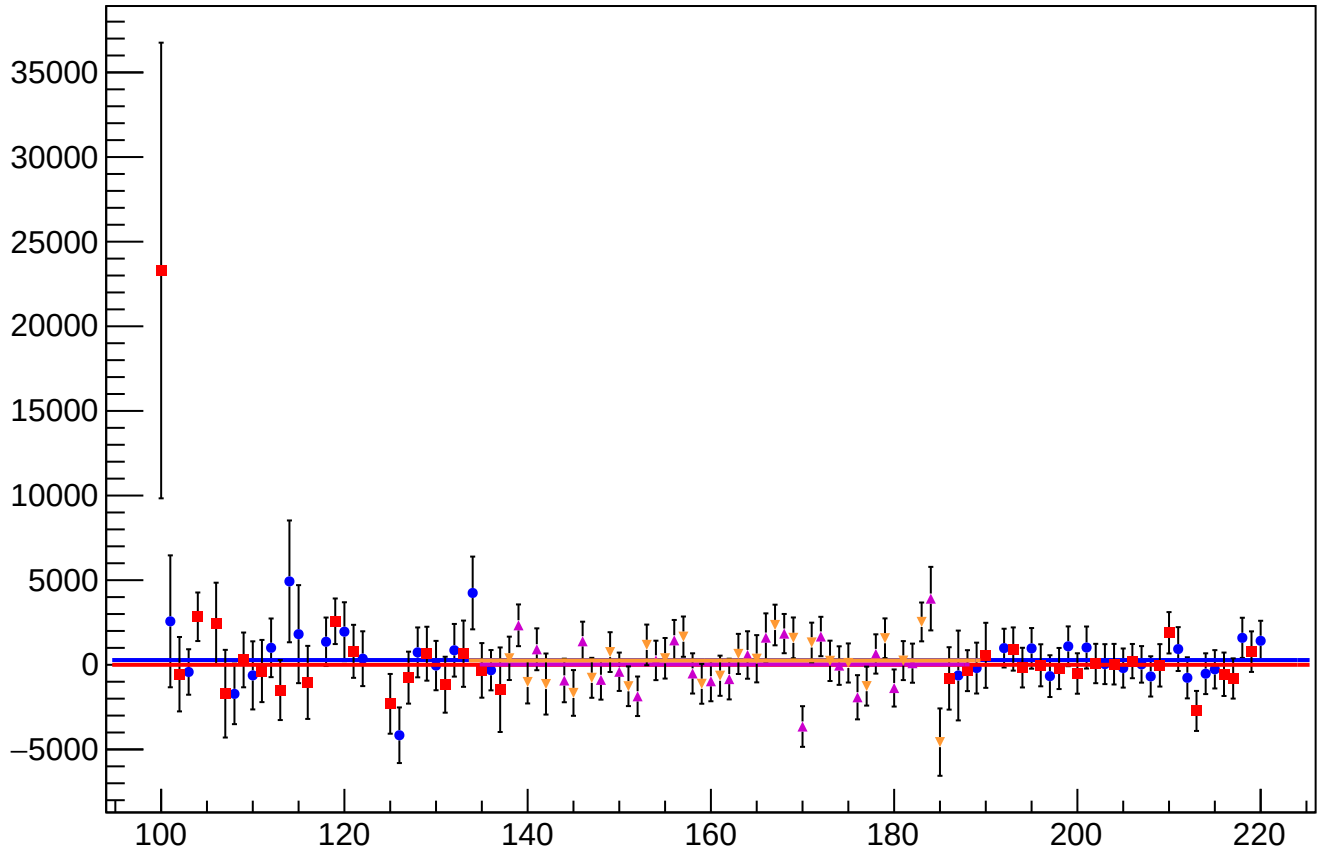
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 476.468+/-0.056 χ^2/NDF: 9820589.3/67

In: 457.722+/-0.054 χ^2/NDF:5310118.5/55

Out: 454.437+/-0.054 χ^2/NDF:6467409.2/58

All: 456.082+/-0.038 χ^2/NDF: 11779400.7/11



Right In: 281.649+/-243.878 χ^2/NDF: 24.0/32

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 0.308+/-245.714 χ^2/NDF: 26.4/34

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

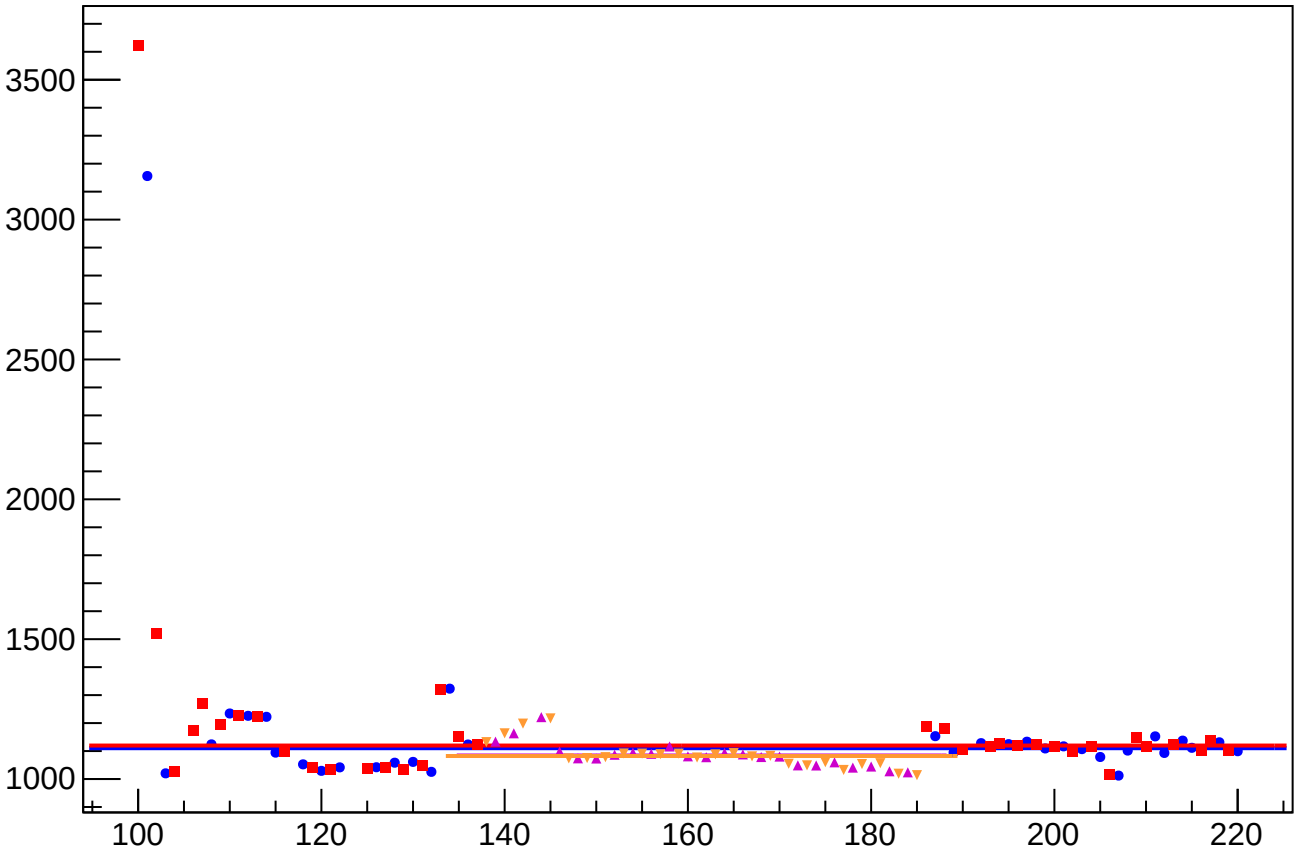
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 142.034+/-173.093 χ^2/NDF: 51.1/67

In: 156.934+/-175.695 χ^2/NDF:60.4/55

Out: 127.496+/-175.722 χ^2/NDF:55.2/58

All: 142.217+/-124.245 χ^2/NDF: 115.6/114



Right In: 1110.182+/-0.172 χ^2/NDF: 648449.6/32

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

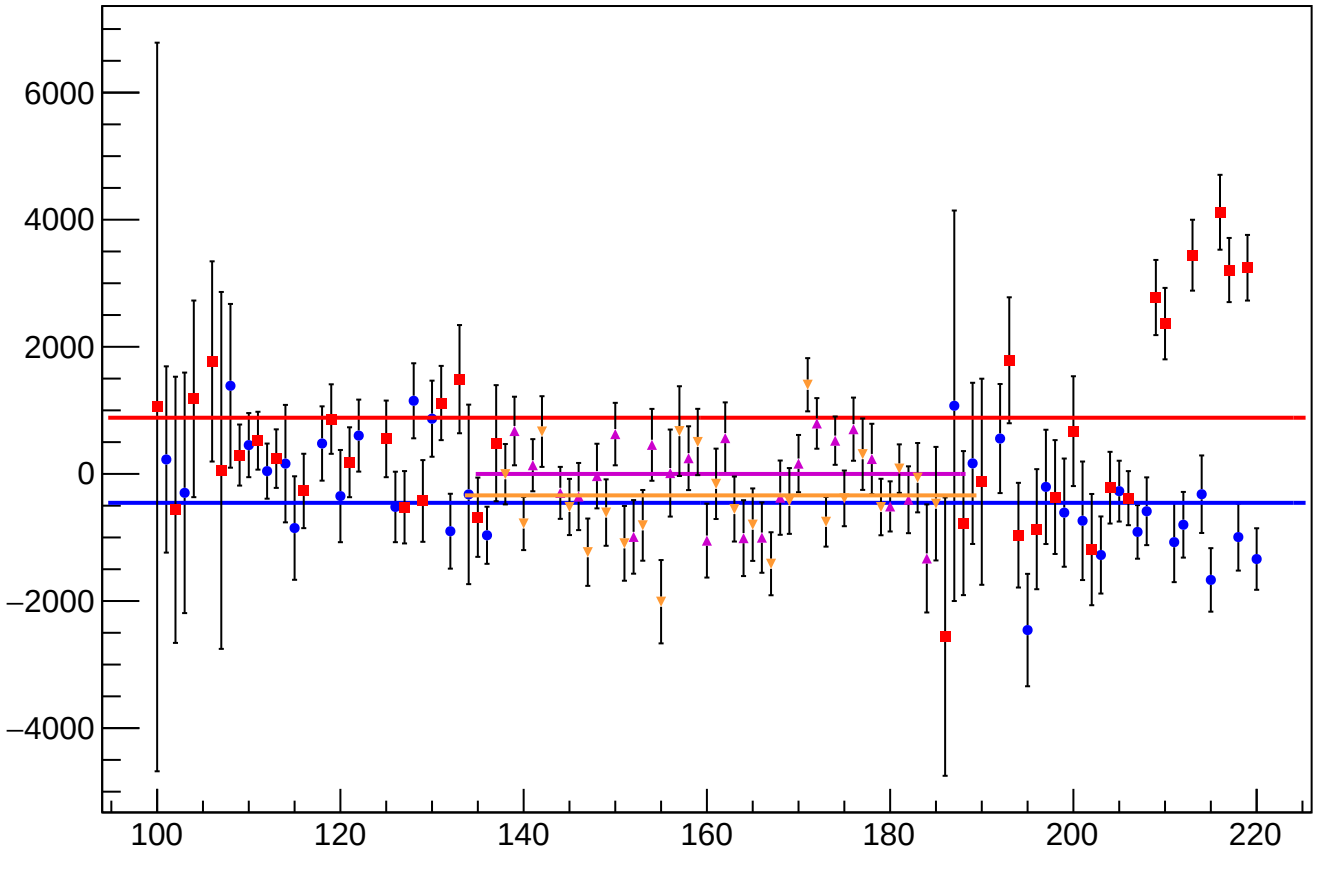
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.915+/-0.122 χ^2/NDF: 904568.7/67

In: 1097.669+/-0.124 χ^2/NDF:712835.5/55

Out: 1101.441+/-0.124 χ^2/NDF:335126.2/58

All: 1099.555+/-0.088 χ^2/NDF: 1048422.9/11



Right In: -455.040+/-110.005 χ^2/NDF: 49.9/32

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 883.983+/-113.002 χ^2/NDF: 173.2/34

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

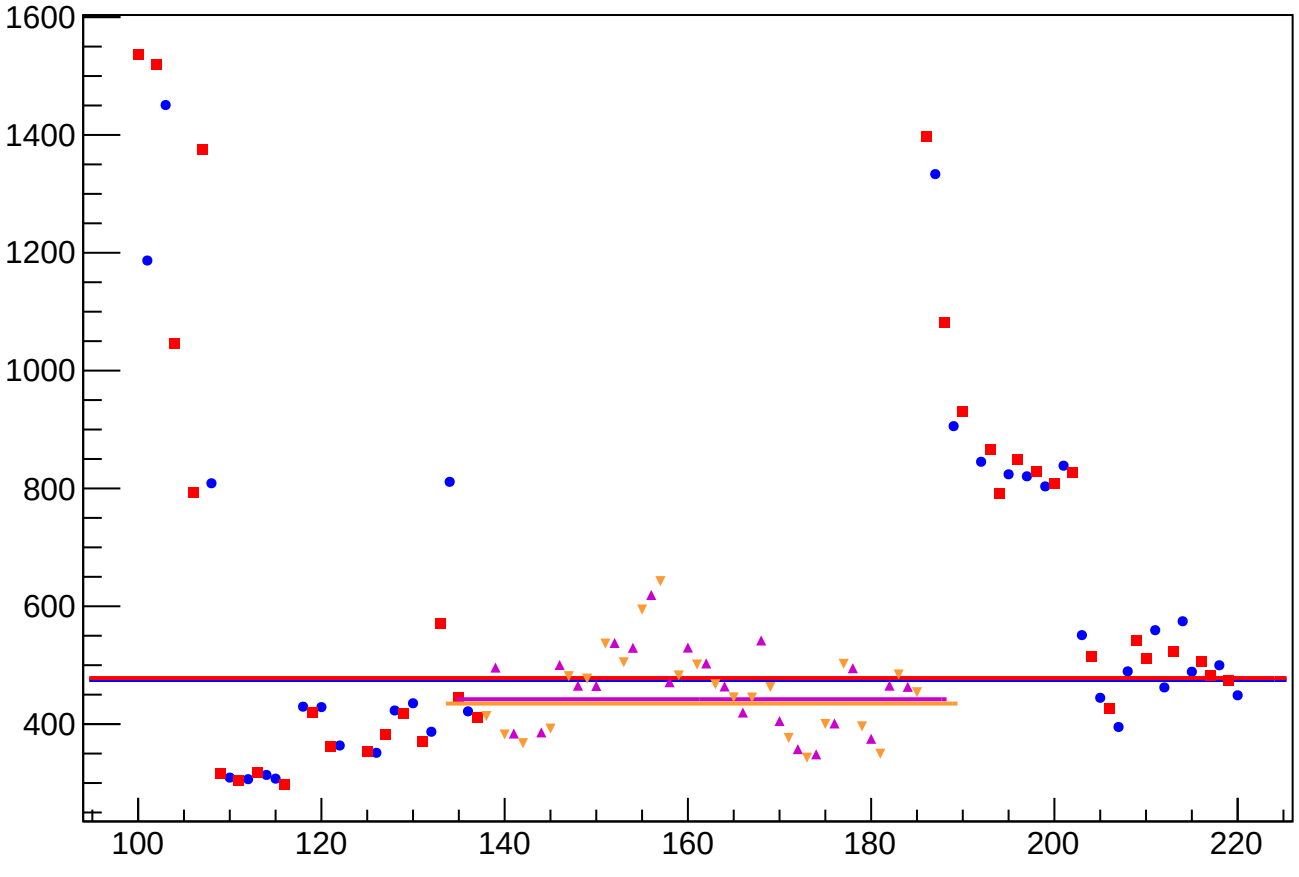
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 196.478+/-78.823 χ^2/NDF: 295.2/67

In: -216.653+/-75.853 χ^2/NDF:90.7/55

Out: 214.279+/-75.961 χ^2/NDF:286.1/58

All: -1.496+/-53.674 χ^2/NDF: 392.9/114



Right In: 474.836+/-0.078 χ^2/NDF: 4391993.9/32

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

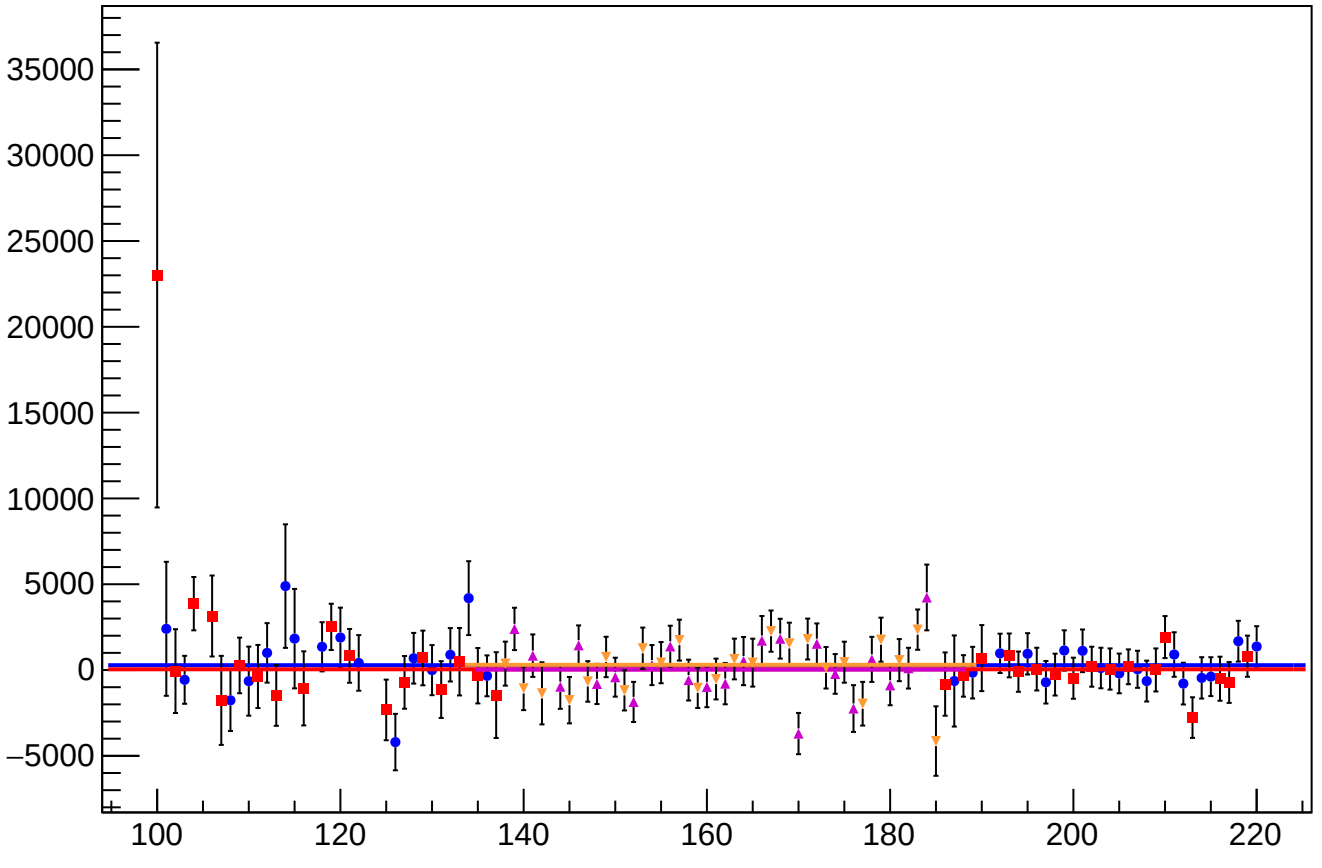
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 476.468+/-0.056 χ^2/NDF: 9820589.3/67

In: 457.722+/-0.054 χ^2/NDF:5310118.5/55

Out: 454.437+/-0.054 χ^2/NDF:6467409.2/58

All: 456.082+/-0.038 χ^2/NDF: 11779400.7/11



Right In: 281.986+/-244.443 χ^2/NDF: 24.3/32

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 43.543+/-246.760 χ^2/NDF: 29.2/34

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

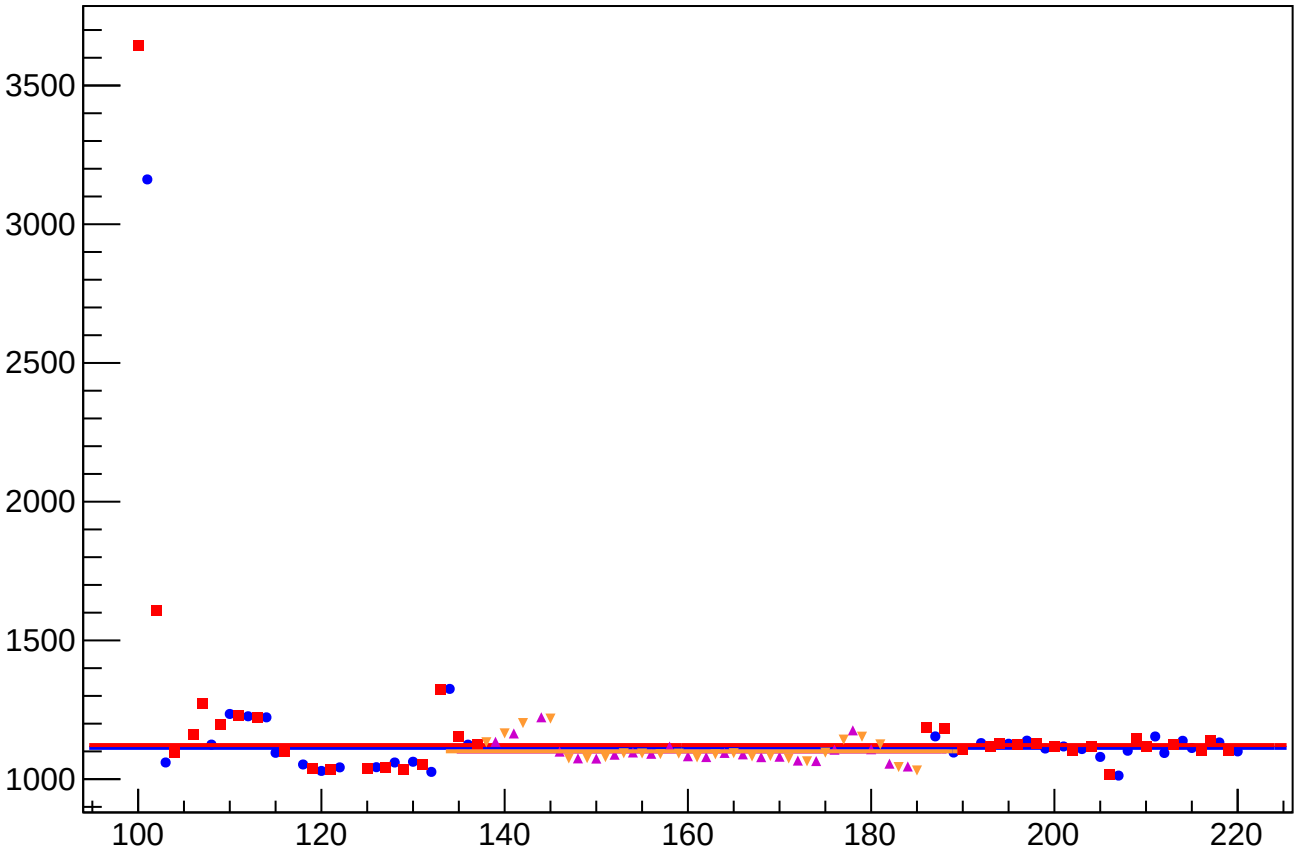
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 163.889+/-173.661 χ^2/NDF: 53.9/67

In: 160.009+/-177.076 χ^2/NDF:60.6/55

Out: 168.924+/-177.514 χ^2/NDF:58.2/58

All: 164.456+/-125.366 χ^2/NDF: 118.9/114



Right In: 1112.776+/-0.173 χ^2/NDF: 643246.4/32

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1122.781+/-0.174 χ^2/NDF: 260471.1/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

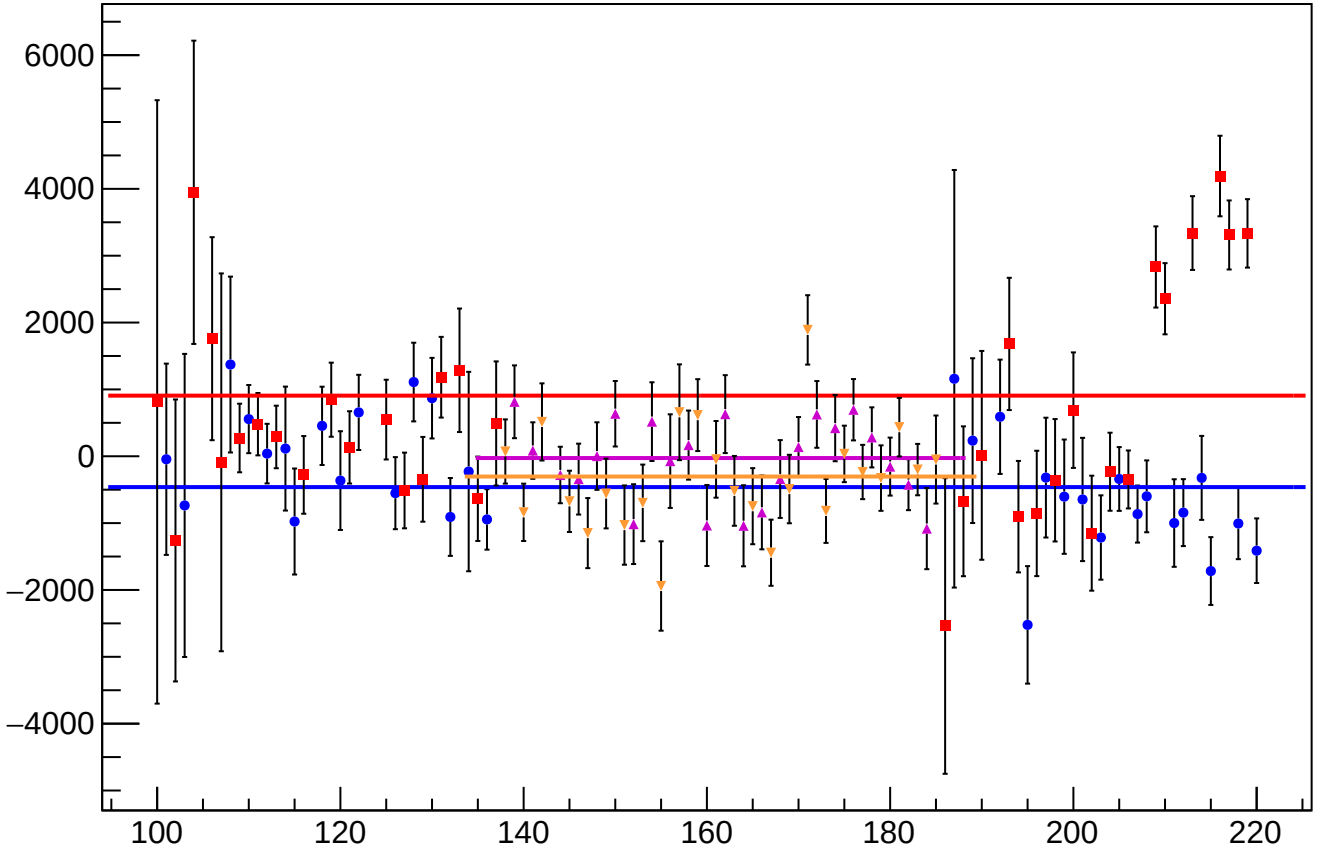
Right: 1117.731+/-0.123 χ^2/NDF: 905377.1/67

In: 1106.392+/-0.125 χ^2/NDF:690902.7/55

Out: 1111.914+/-0.126 χ^2/NDF:317284.9/58

All: 1109.146+/-0.089 χ^2/NDF: 1009157.8/11

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -461.375+/-110.567 χ^2/NDF: 50.8/32

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 906.891+/-114.229 χ^2/NDF: 175.0/34

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

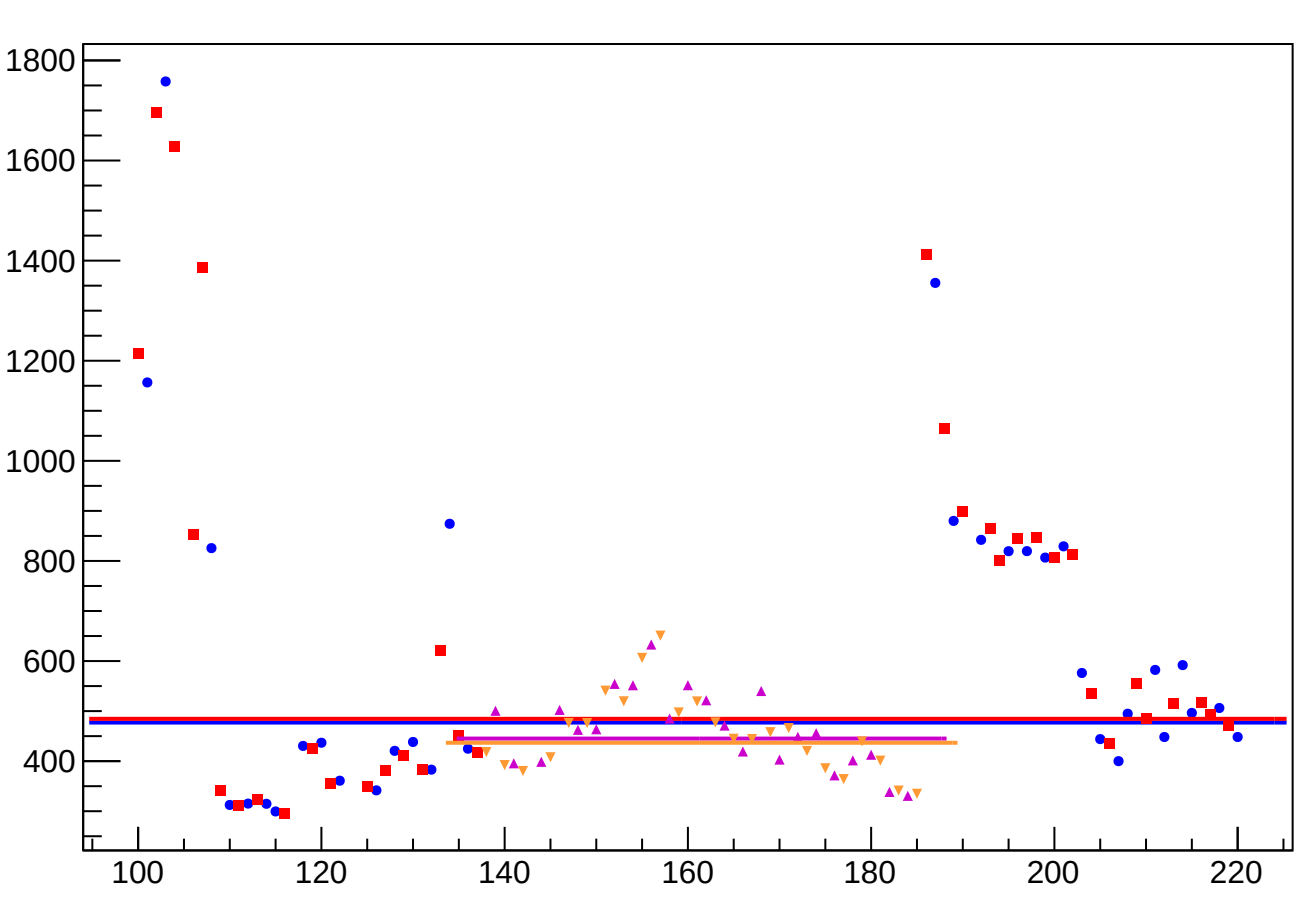
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: 200.478+/-79.446 χ^2/NDF: 299.9/67

In: -233.706+/-76.298 χ^2/NDF:86.8/55

Out: 239.333+/-76.486 χ^2/NDF:286.4/58

All: 2.231+/-54.017 χ^2/NDF: 392.4/114



Right In: 477.135+/-0.078 χ^2/NDF: 4530333.1/32

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 484.577+/-0.081 χ^2/NDF: 5742493.6/34

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

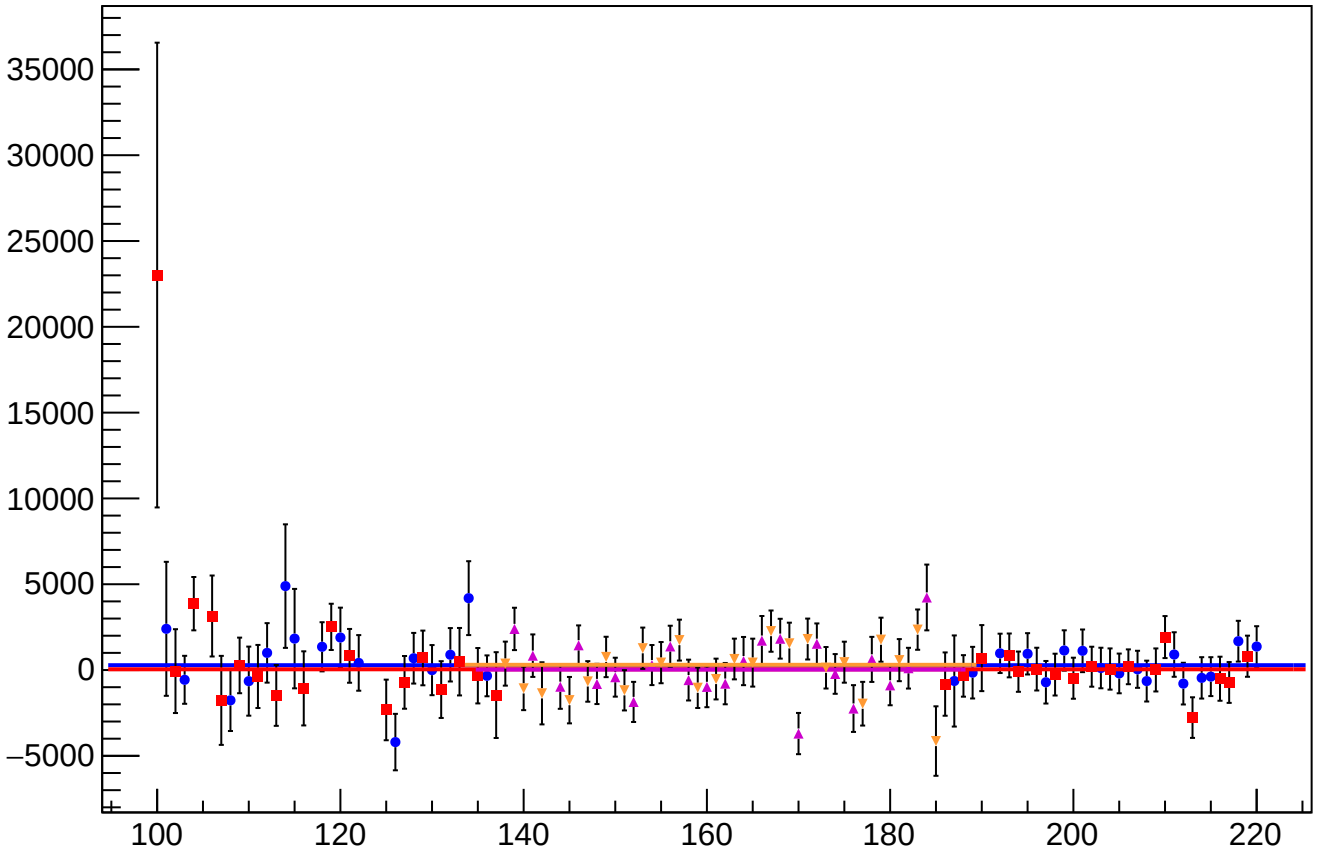
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 480.735+/-0.056 χ^2/NDF: 10277209.4/67

In: 460.359+/-0.054 χ^2/NDF:5492764.1/55

Out: 458.214+/-0.054 χ^2/NDF:6790816.9/58

All: 459.289+/-0.038 χ^2/NDF: 12284369.9/11



Right In: 281.984+/-244.443 χ^2/NDF: 24.3/32

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 43.541+/-246.760 χ^2/NDF: 29.2/34

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

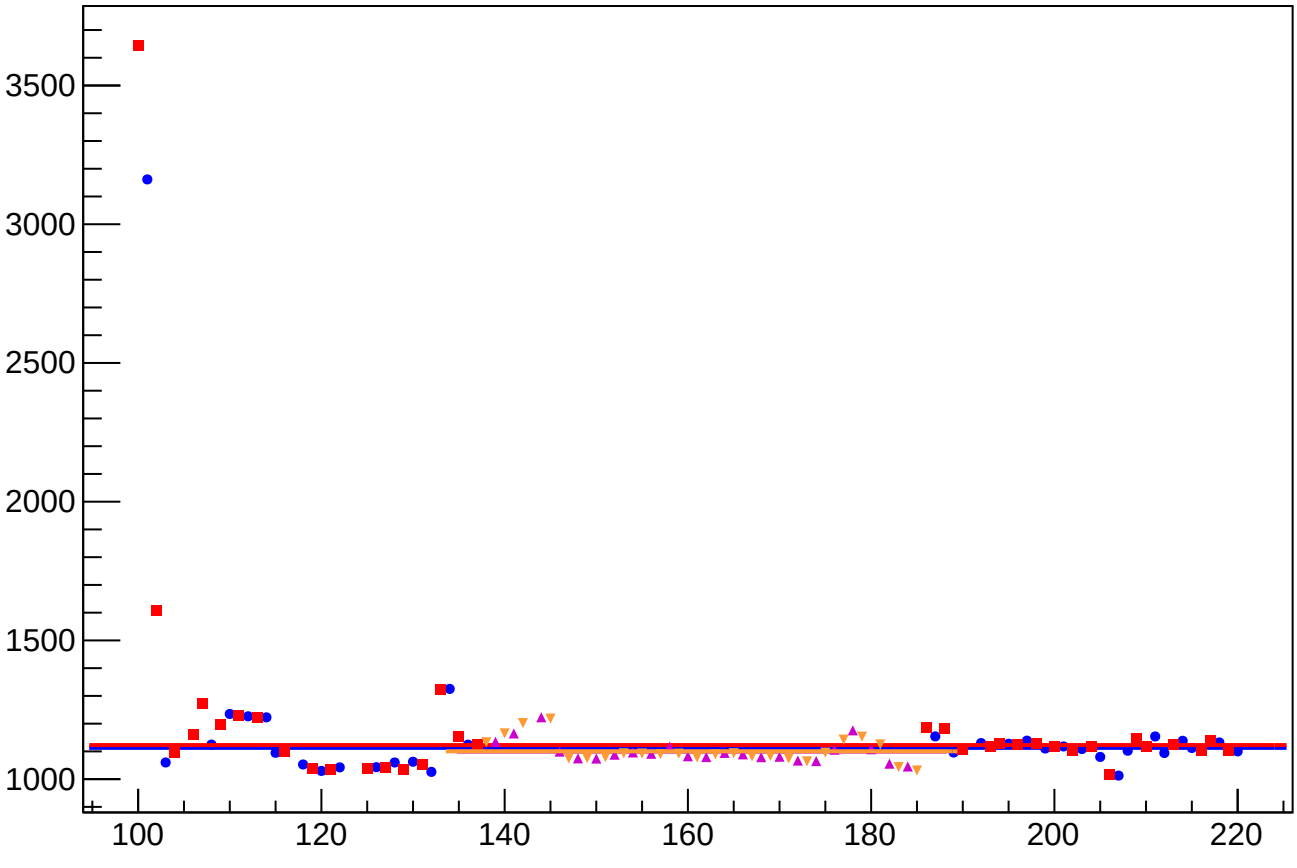
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 163.887+/-173.661 χ^2/NDF: 53.9/67

In: 160.008+/-177.076 χ^2/NDF:60.6/55

Out: 168.922+/-177.514 χ^2/NDF:58.2/58

All: 164.454+/-125.366 χ^2/NDF: 118.9/114



Right In: 1112.776+/-0.173 χ^2/NDF: 643246.4/32

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1122.781+/-0.174 χ^2/NDF: 260471.2/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

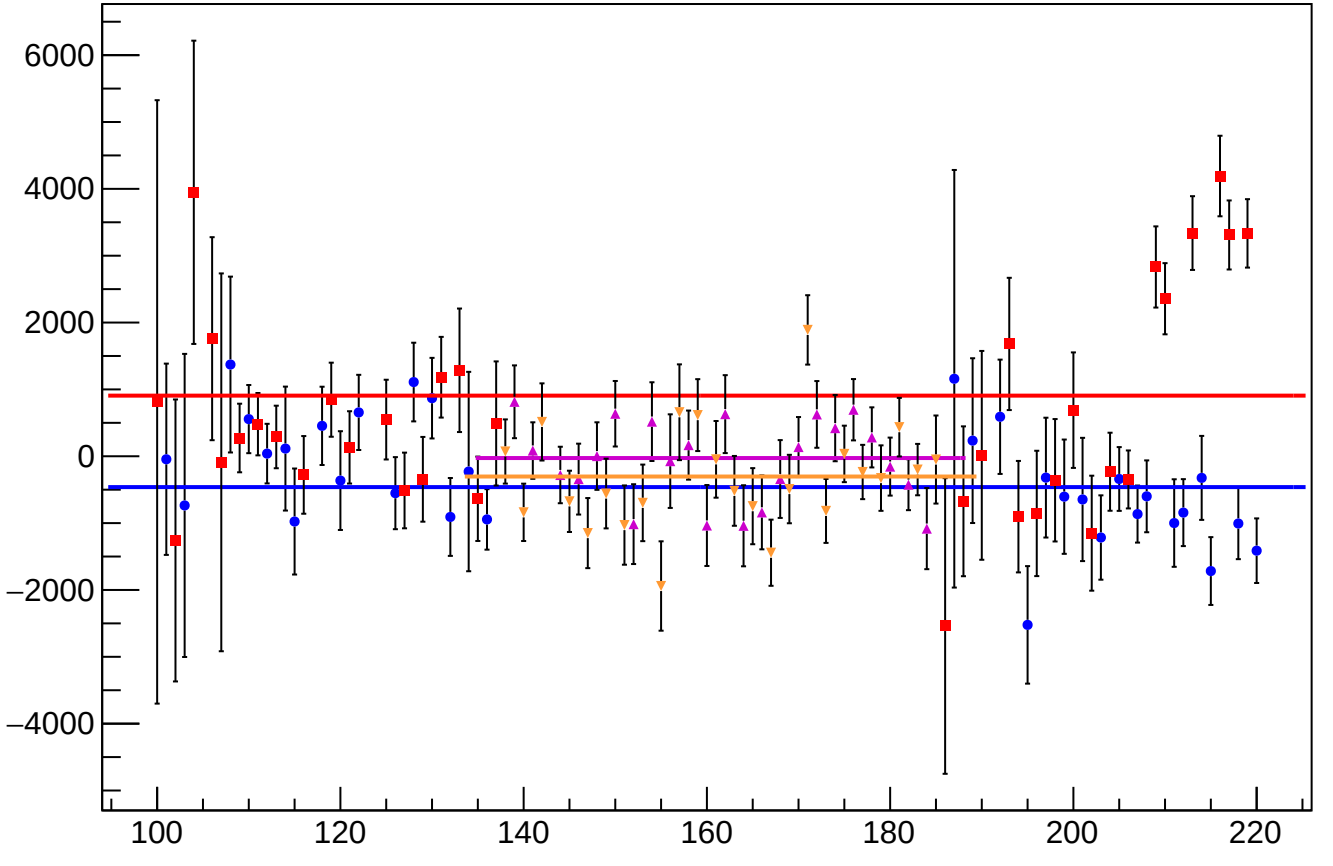
Right: 1117.731+/-0.123 χ^2/NDF: 905377.2/67

In: 1106.392+/-0.125 χ^2/NDF:690902.8/55

Out: 1111.914+/-0.126 χ^2/NDF:317285.2/58

All: 1109.146+/-0.089 χ^2/NDF: 1009158.2/11

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -461.379+/-110.567 χ^2/NDF: 50.8/32

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 906.878+/-114.228 χ^2/NDF: 175.0/34

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

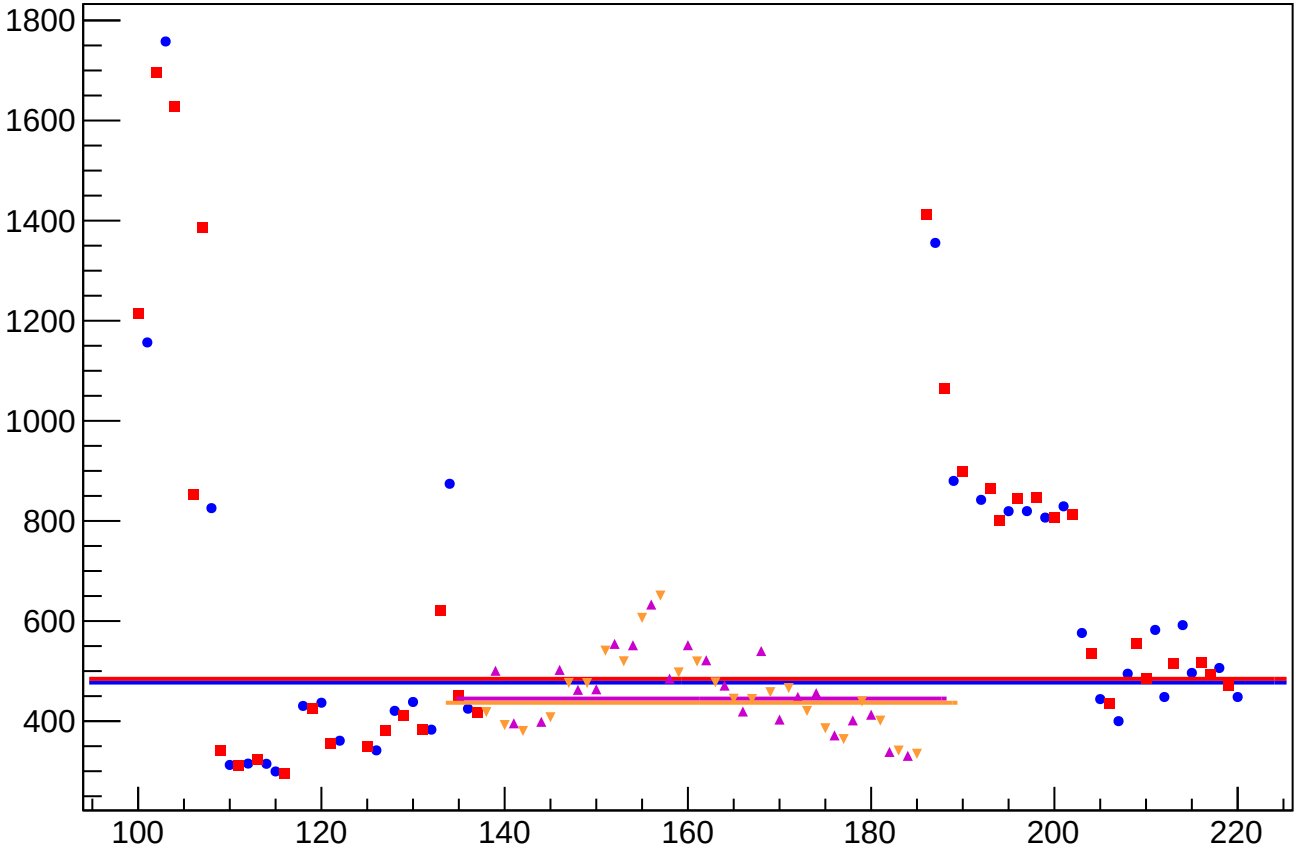
Right: 200.469+/-79.445 χ^2/NDF: 299.9/67

In: -233.709+/-76.298 χ^2/NDF:86.8/55

Out: 239.328+/-76.486 χ^2/NDF:286.4/58

All: 2.228+/-54.017 χ^2/NDF: 392.4/114

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 477.133+/-0.078 χ^2/NDF: 4530368.6/32

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 484.575+/-0.081 χ^2/NDF: 5742564.4/34

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

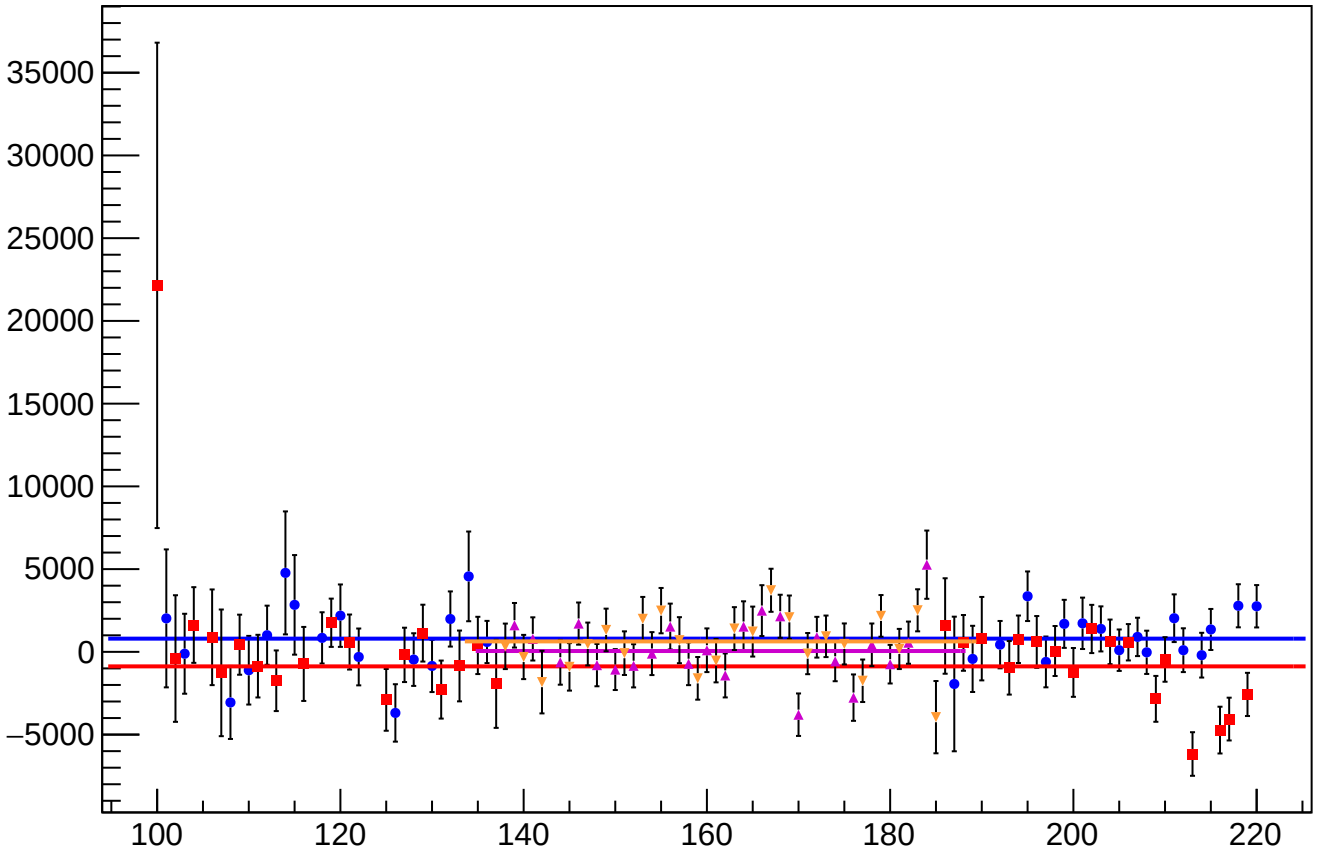
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 480.733+/-0.056 χ^2/NDF: 10277315.9/67

In: 460.358+/-0.054 χ^2/NDF:5492823.1/55

Out: 458.212+/-0.054 χ^2/NDF:6790903.0/58

All: 459.288+/-0.038 χ^2/NDF: 12284514.8/1



Right In: 798.530+/-277.849 χ^2/NDF: 30.3/32

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -877.268+/-284.345 χ^2/NDF: 56.2/34

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

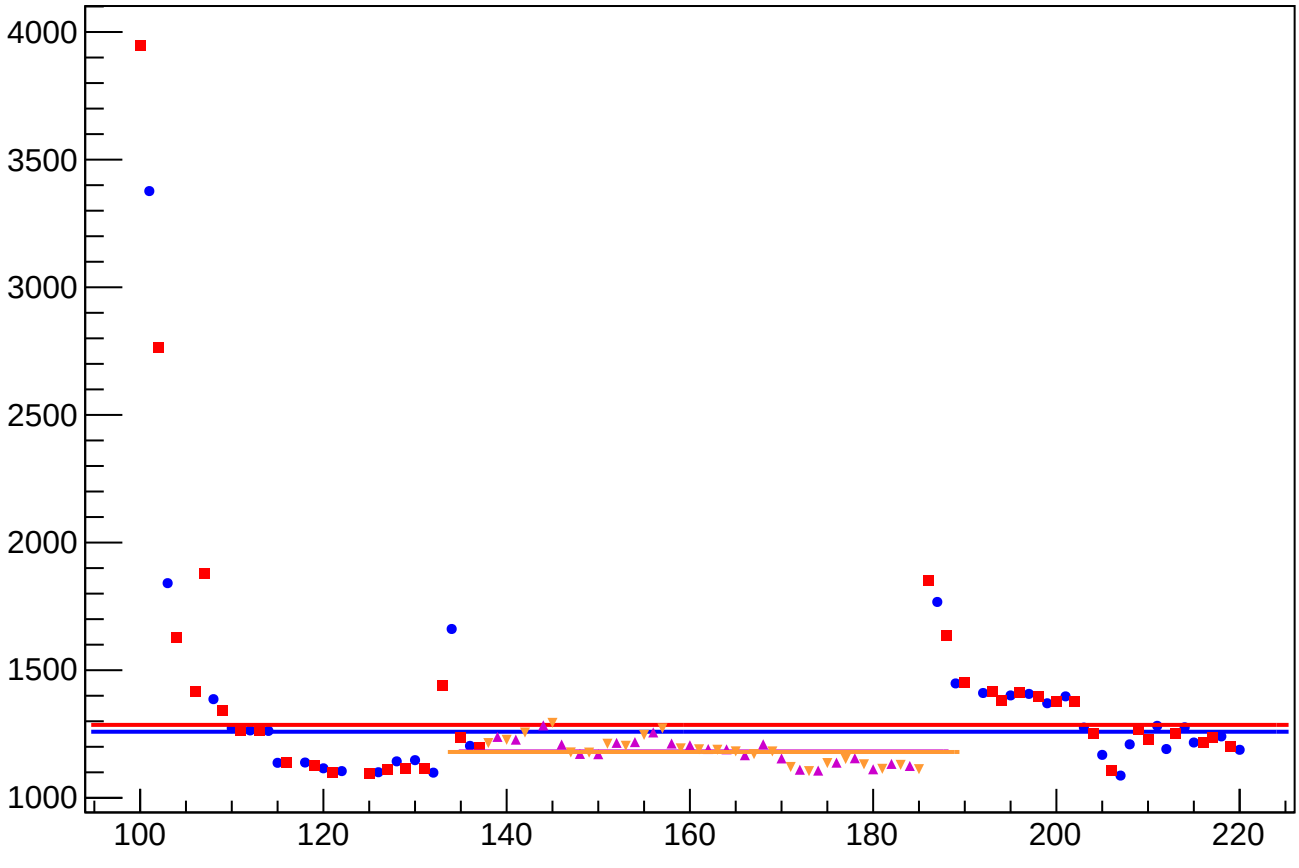
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: -20.011+/-198.726 χ^2/NDF: 104.3/67

In: 422.474+/-195.888 χ^2/NDF:69.0/55

Out: -94.393+/-197.325 χ^2/NDF:101.0/58

All: 165.930+/-139.019 χ^2/NDF: 173.4/114



Right In: 1258.983+/-0.196 χ^2/NDF: 994280.5/32

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1285.805+/-0.201 χ^2/NDF: 927740.8/34

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

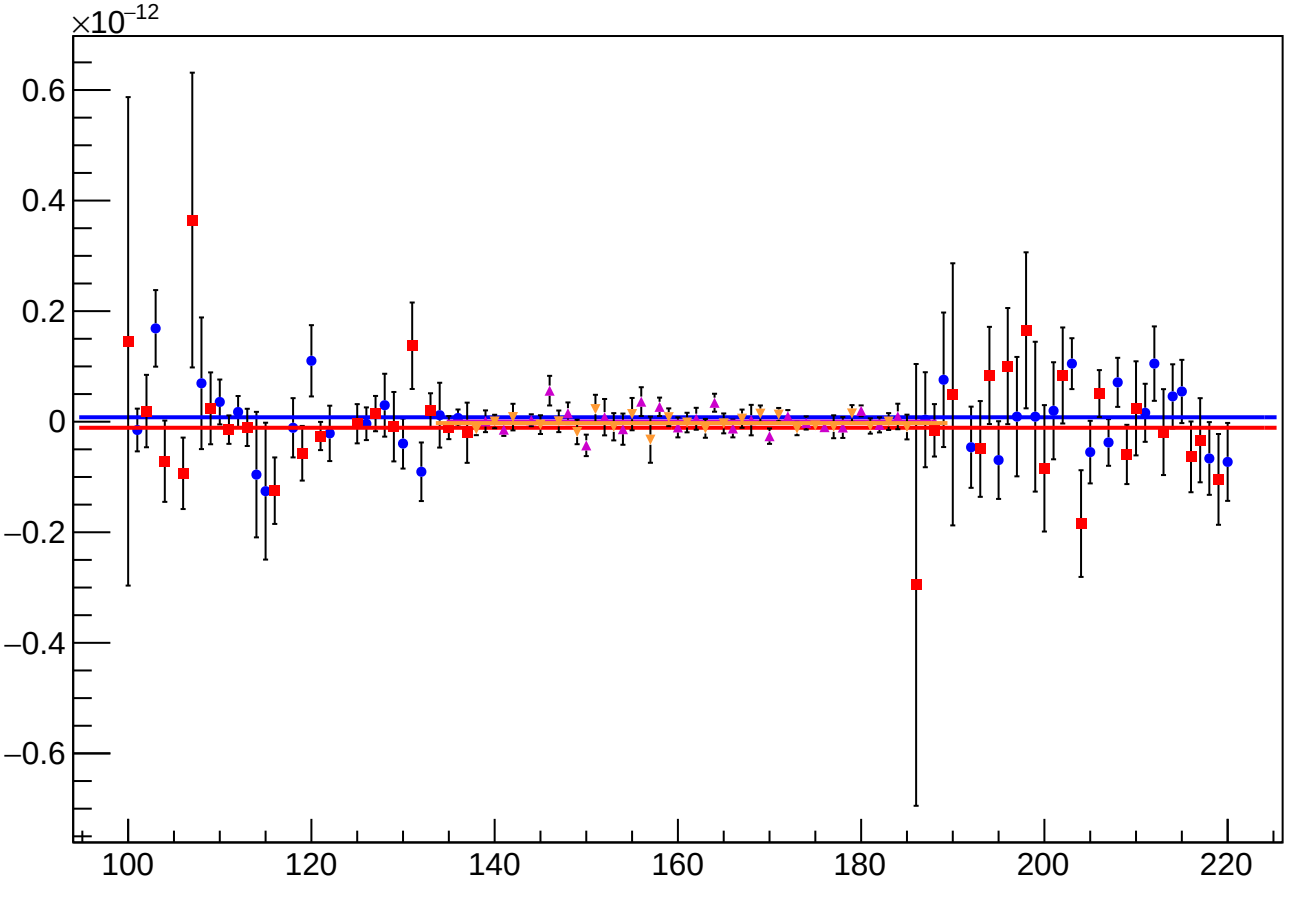
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1272.084+/-0.141 χ^2/NDF: 1931124.8/67

In: 1220.228+/-0.139 χ^2/NDF:1131998.8/55

Out: 1230.806+/-0.140 χ^2/NDF:1136745.3/58

All: 1225.478+/-0.098 χ^2/NDF: 2271638.6/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/34

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

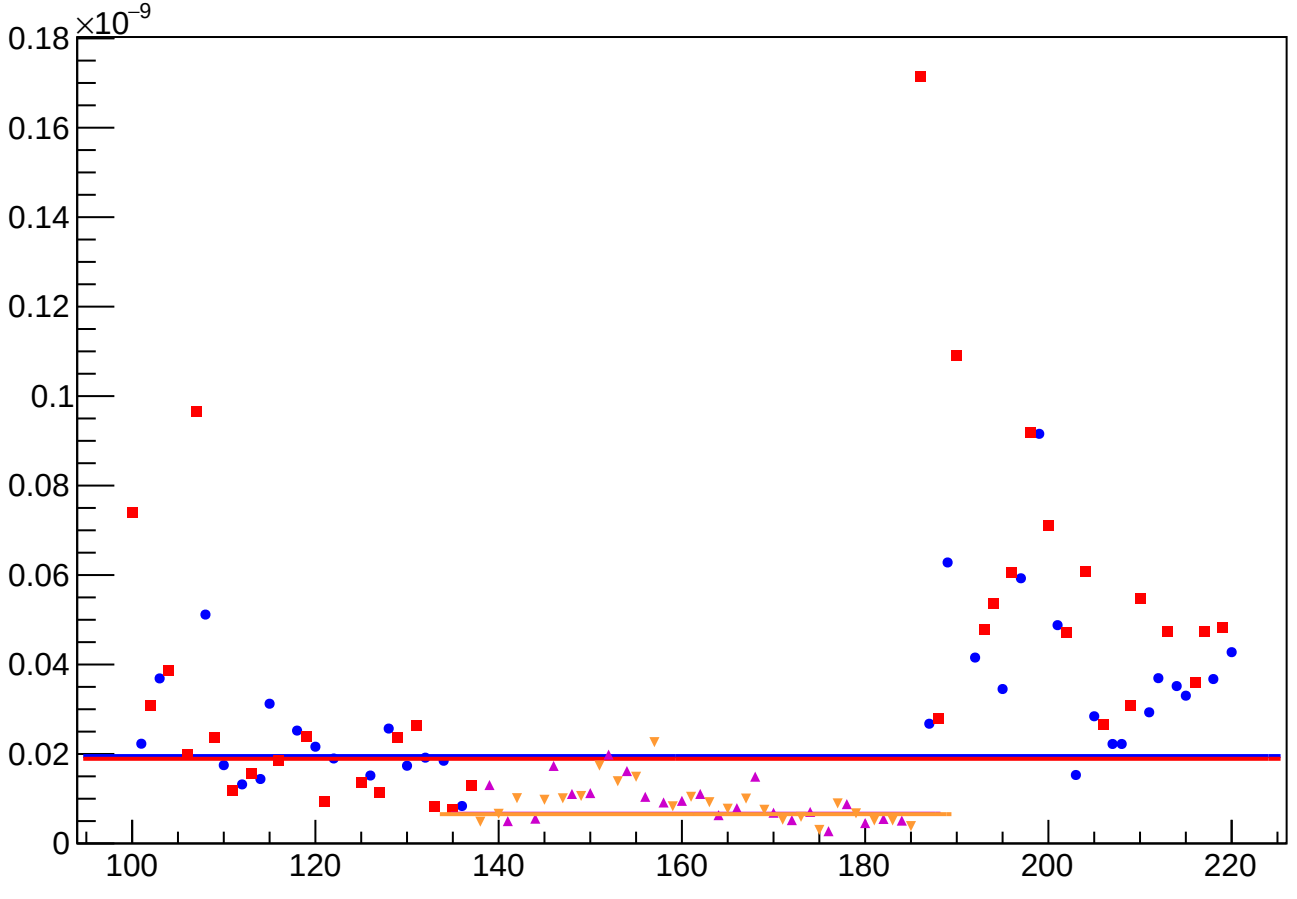
Right: -0.000+/-0.000 χ^2/NDF: 65.5/67

In: 0.000+/-0.000 χ^2/NDF:66.5/55

Out: -0.000+/-0.000 χ^2/NDF:41.0/58

All: -0.000+/-0.000 χ^2/NDF: 108.9/114

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4051115.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6454057.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

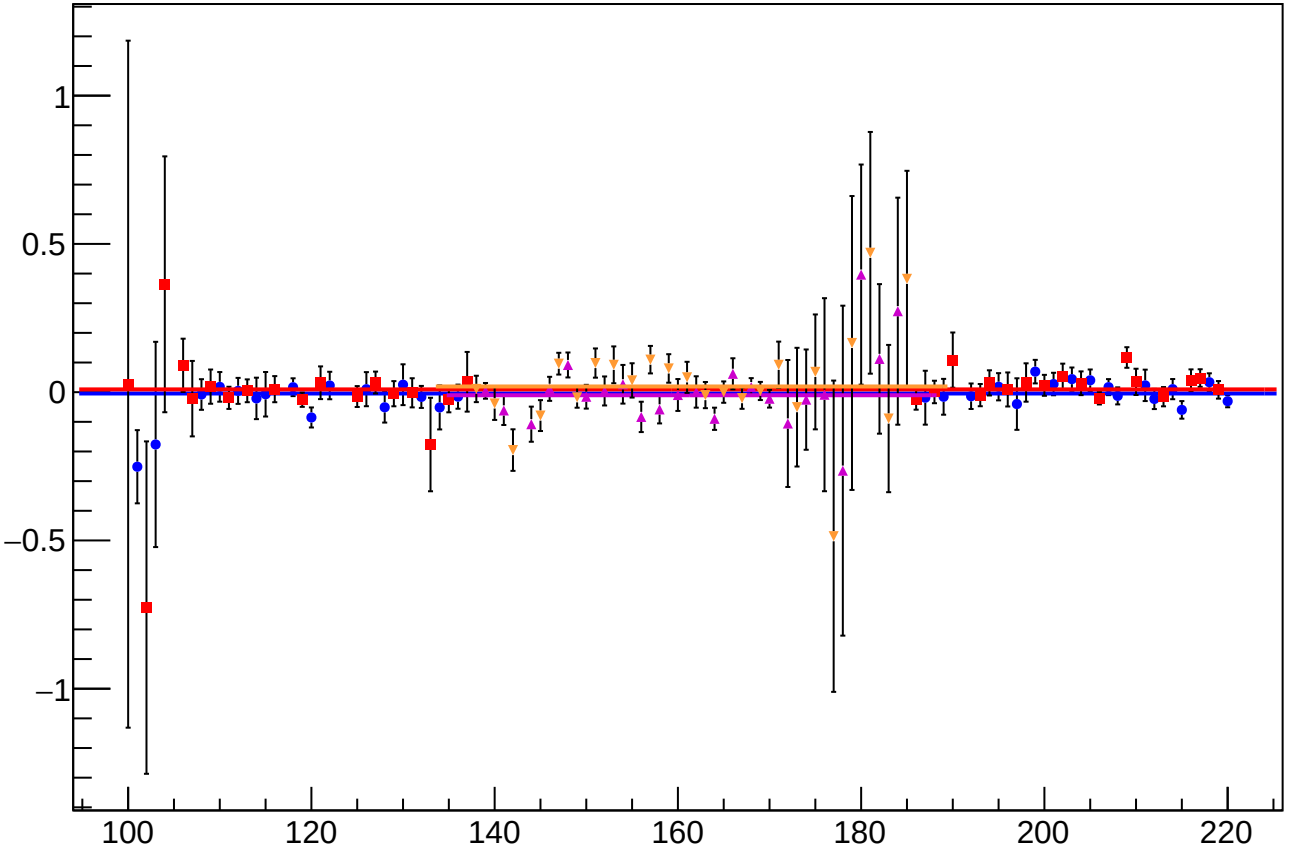
Right: 0.000+/-0.000 χ^2/NDF: 10510639.8/67

In: 0.000+/-0.000 χ^2/NDF:10975666.9/55

Out: 0.000+/-0.000 χ^2/NDF:12674474.2/58

All: 0.000+/-0.000 χ^2/NDF: 23659170.0/114

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.007 χ^2/NDF: 28.6/32

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

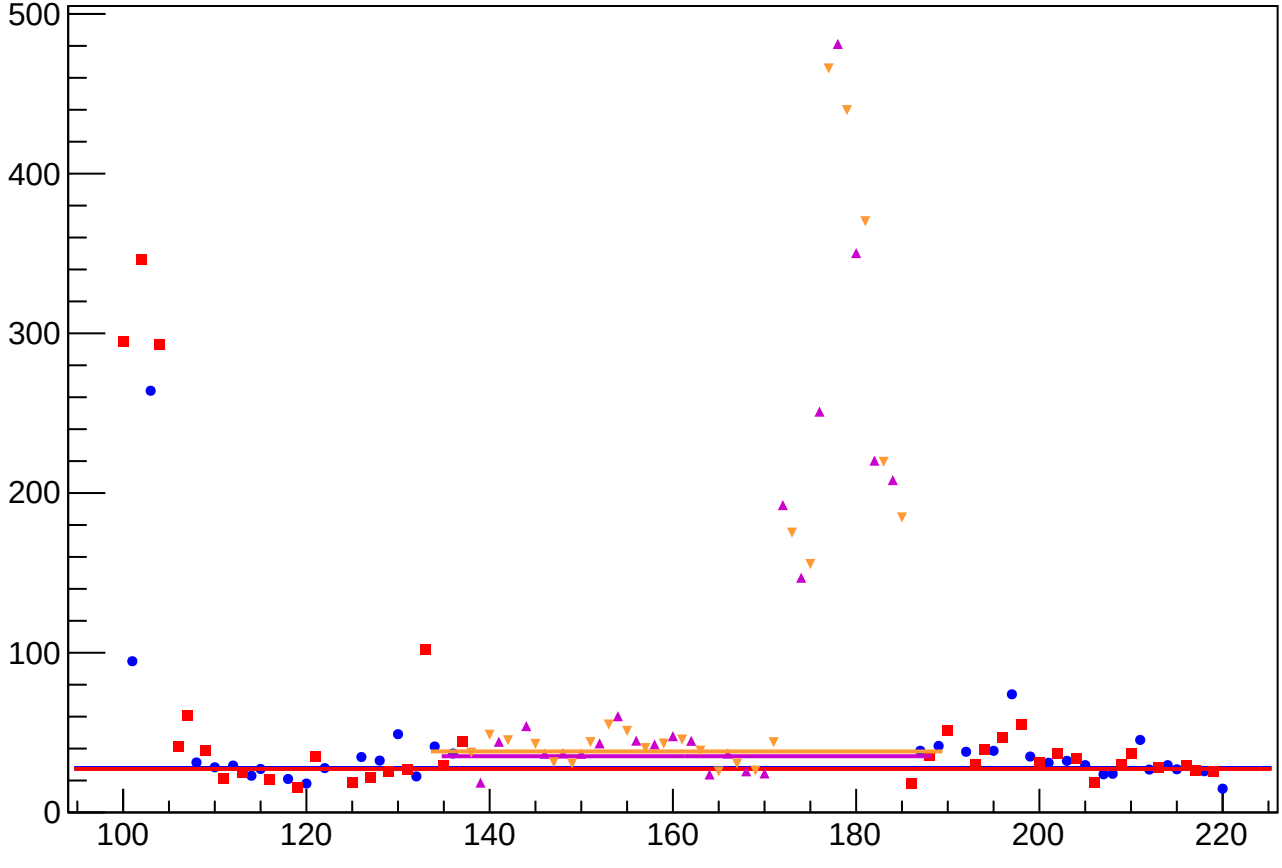
Right: 0.003+/-0.005 χ^2/NDF: 59.1/67

In: -0.006+/-0.006 χ^2/NDF:52.5/55

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.003+/-0.004 χ^2/NDF: 122.6/114

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.828+/-0.005 χ^2/NDF: 4389615.4/32

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

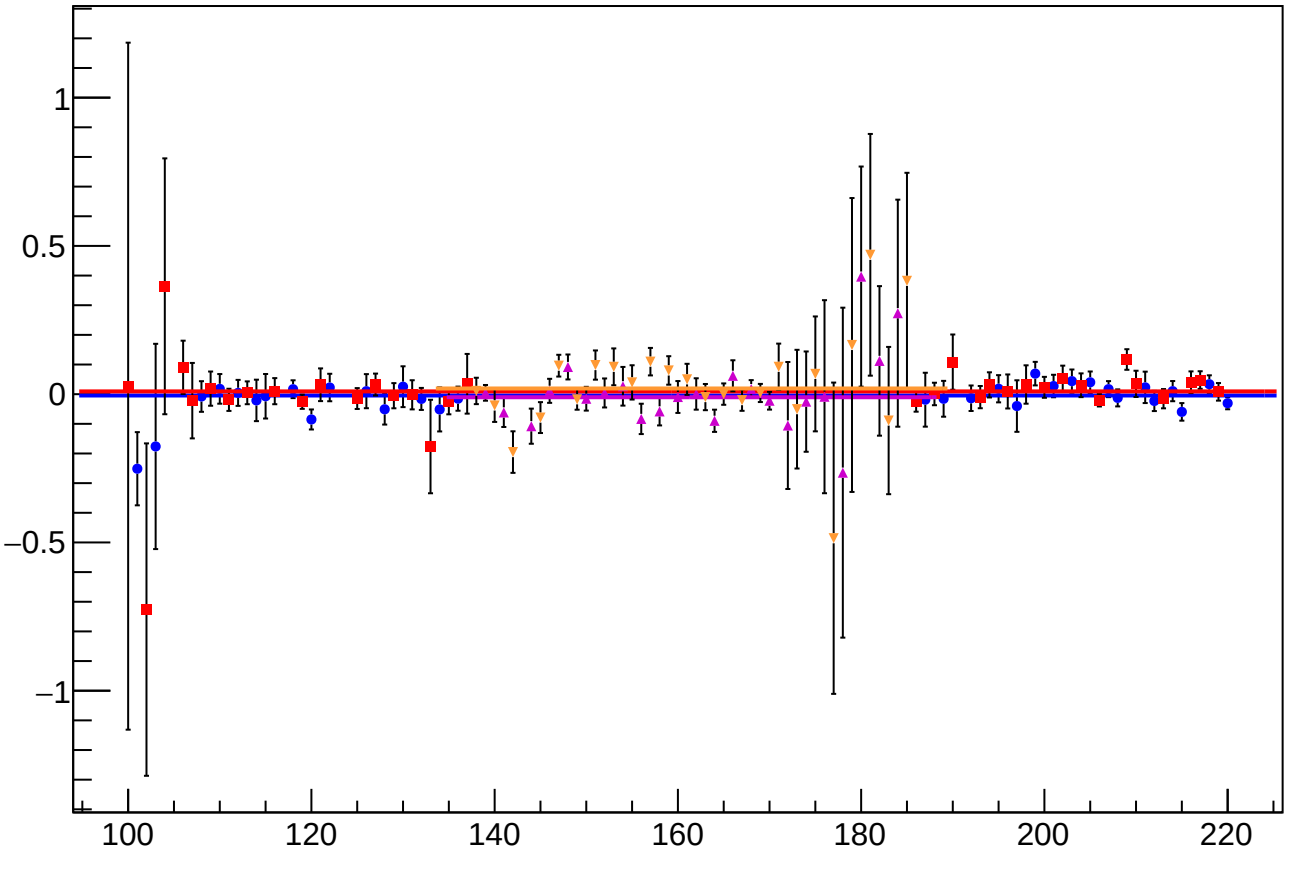
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 27.532+/-0.003 χ^2/NDF: 9233871.3/67

In: 30.185+/-0.004 χ^2/NDF:14481350.4/55

Out: 30.458+/-0.004 χ^2/NDF:14578419.6/58

All: 30.320+/-0.003 χ^2/NDF: 29061949.7/114



Right In: -0.004+/-0.007 χ^2/NDF: 28.6/32

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

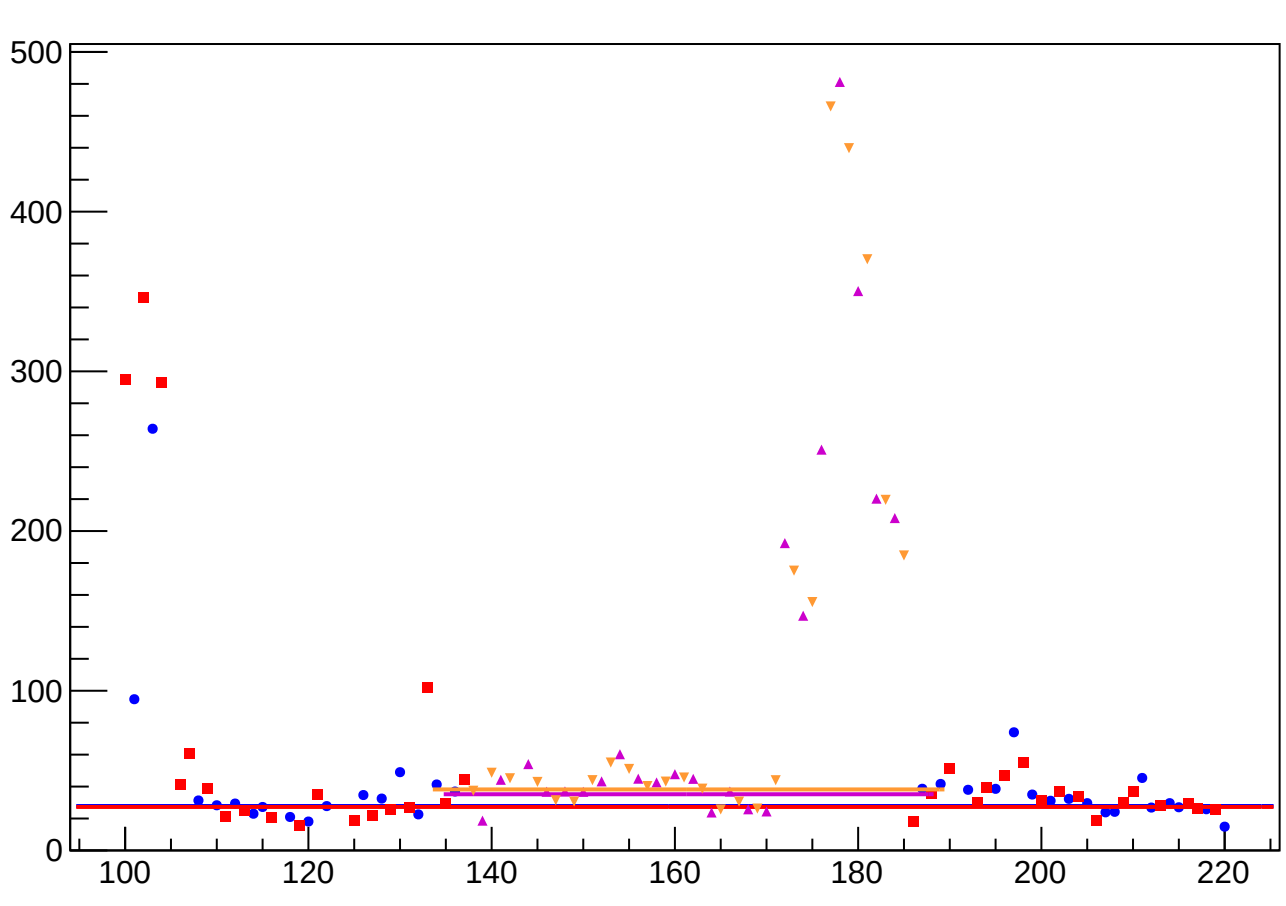
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.003+/-0.005 χ^2/NDF: 59.1/67

In: -0.006+/-0.006 χ^2/NDF:52.5/55

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.003+/-0.004 χ^2/NDF: 122.6/114



Right In: 27.828+/-0.005 χ^2/NDF: 4389615.4/32

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

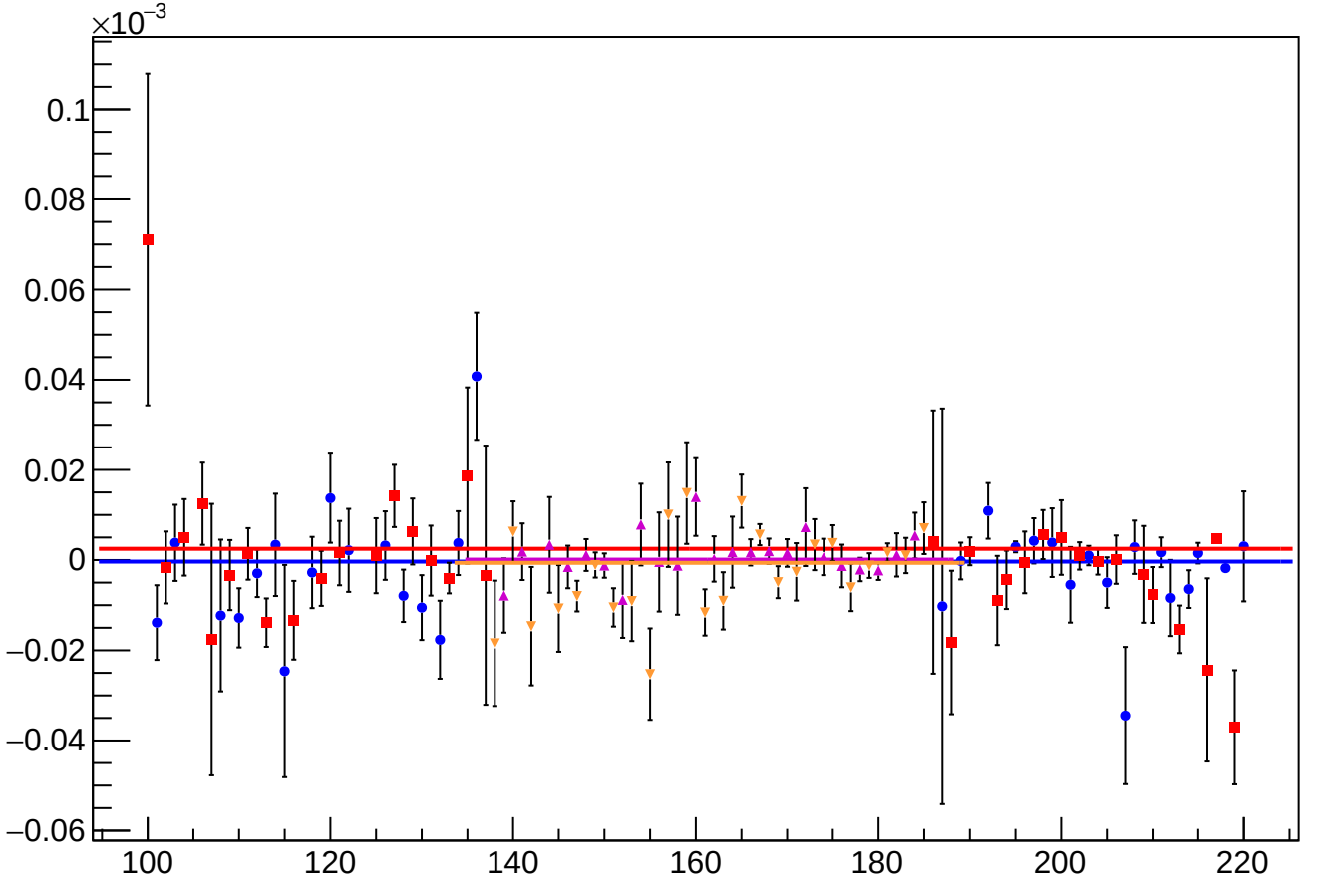
Right: 27.532+/-0.003 χ^2/NDF: 9233871.3/67

In: 30.185+/-0.004 χ^2/NDF:14481350.4/55

Out: 30.458+/-0.004 χ^2/NDF:14578419.6/58

All: 30.320+/-0.003 χ^2/NDF: 29061949.7/114

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 53.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 67.8/34

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

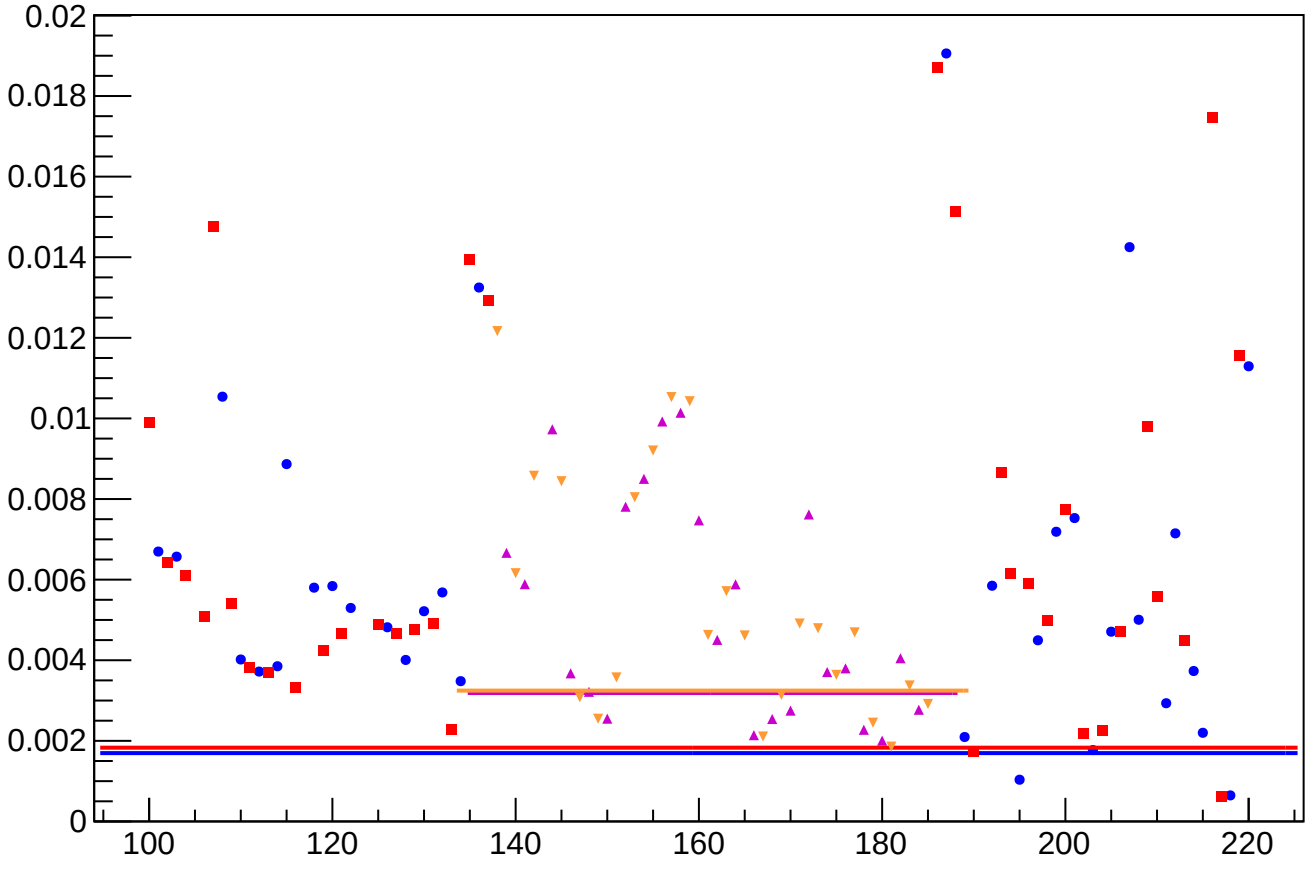
Right: 0.000+/-0.000 χ^2/NDF: 132.2/67

In: -0.000+/-0.000 χ^2/NDF:64.3/55

Out: 0.000+/-0.000 χ^2/NDF:127.4/58

All: 0.000+/-0.000 χ^2/NDF: 197.2/114

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: 20158679.5/32

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.002+/-0.000 χ^2/NDF: 22024400.5/34

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

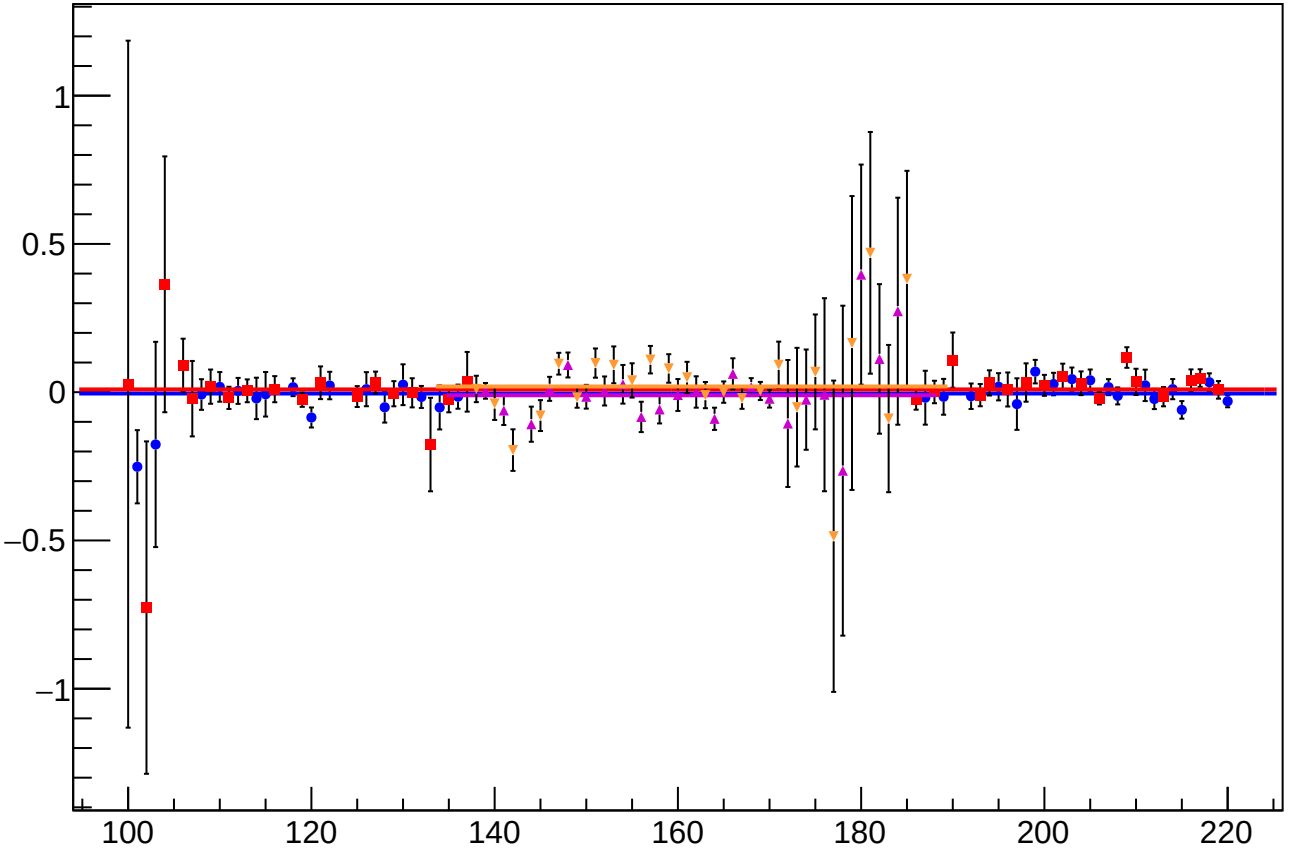
Right: 0.002+/-0.000 χ^2/NDF: 42233467.5/67

In: 0.002+/-0.000 χ^2/NDF:31678277.0/55

Out: 0.002+/-0.000 χ^2/NDF:33238715.2/58

All: 0.002+/-0.000 χ^2/NDF: 65059594.0/114

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.007 χ^2/NDF: 28.6/32

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

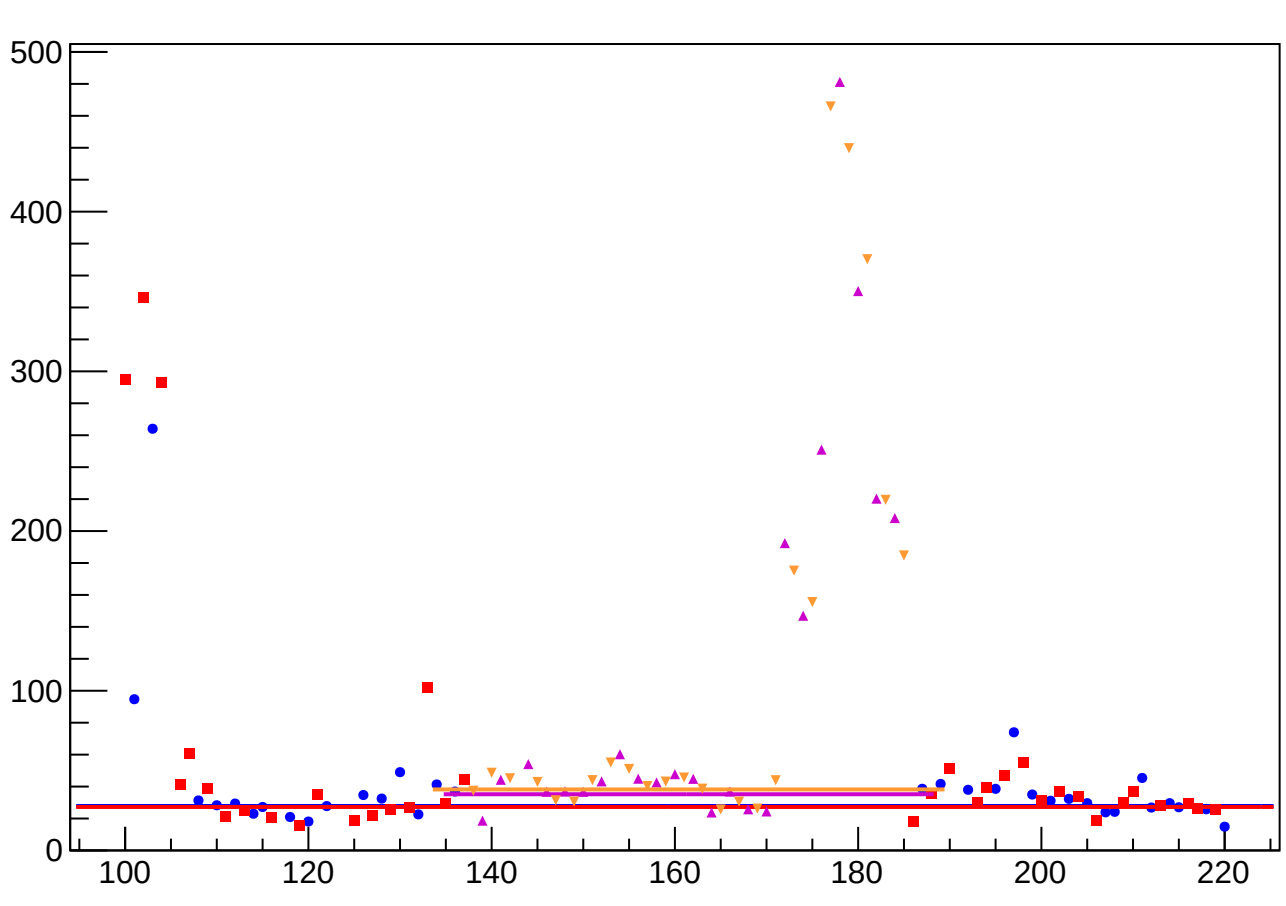
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.003+/-0.005 χ^2/NDF: 59.1/67

In: -0.006+/-0.006 χ^2/NDF:52.5/55

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.003+/-0.004 χ^2/NDF: 122.6/114



Right In: 27.828+/-0.005 χ^2/NDF: 4389200.5/32

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

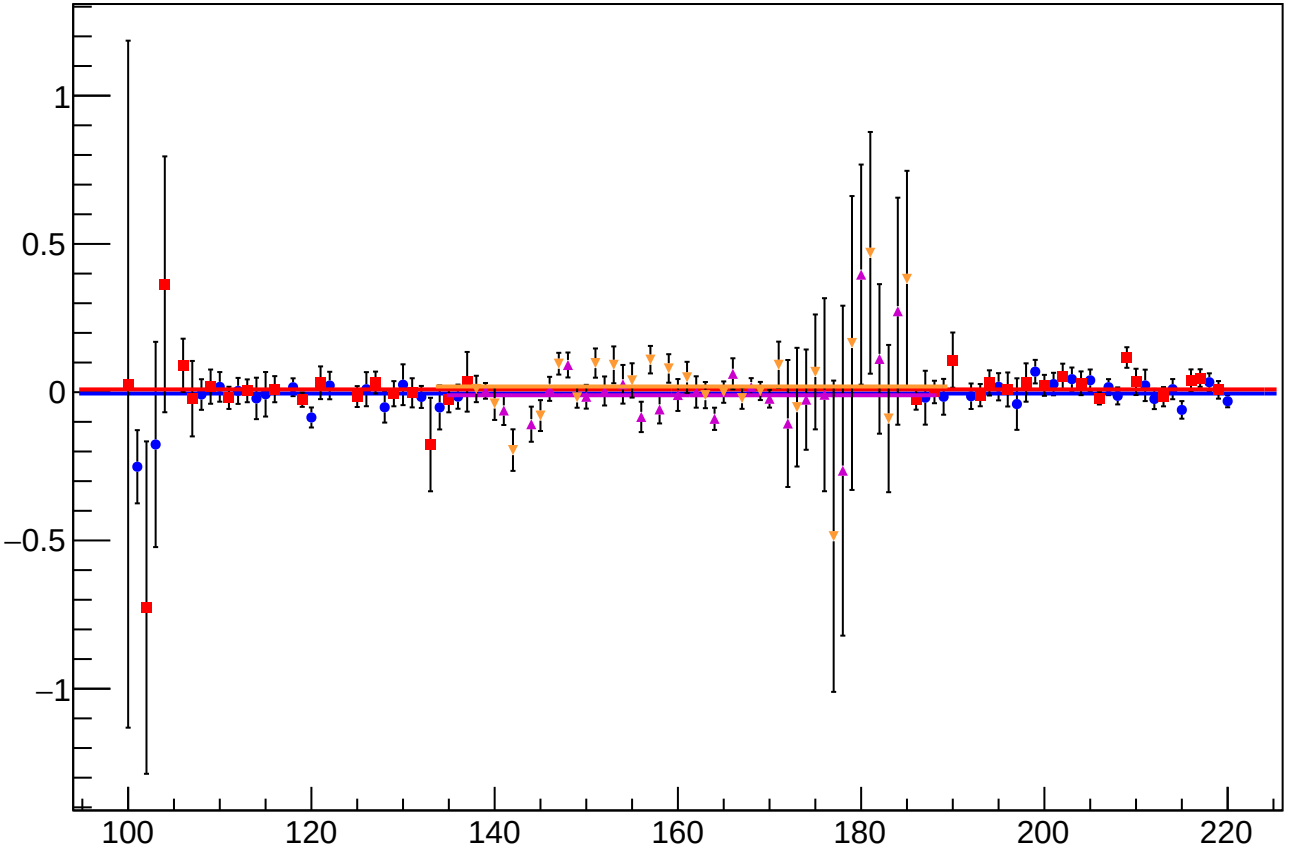
Right: 27.532+/-0.003 χ^2/NDF: 9233722.3/67

In: 30.186+/-0.004 χ^2/NDF:14481273.8/55

Out: 30.456+/-0.004 χ^2/NDF:14579107.5/58

All: 30.320+/-0.003 χ^2/NDF: 29062541.9/114

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.007 χ^2/NDF: 28.6/32

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

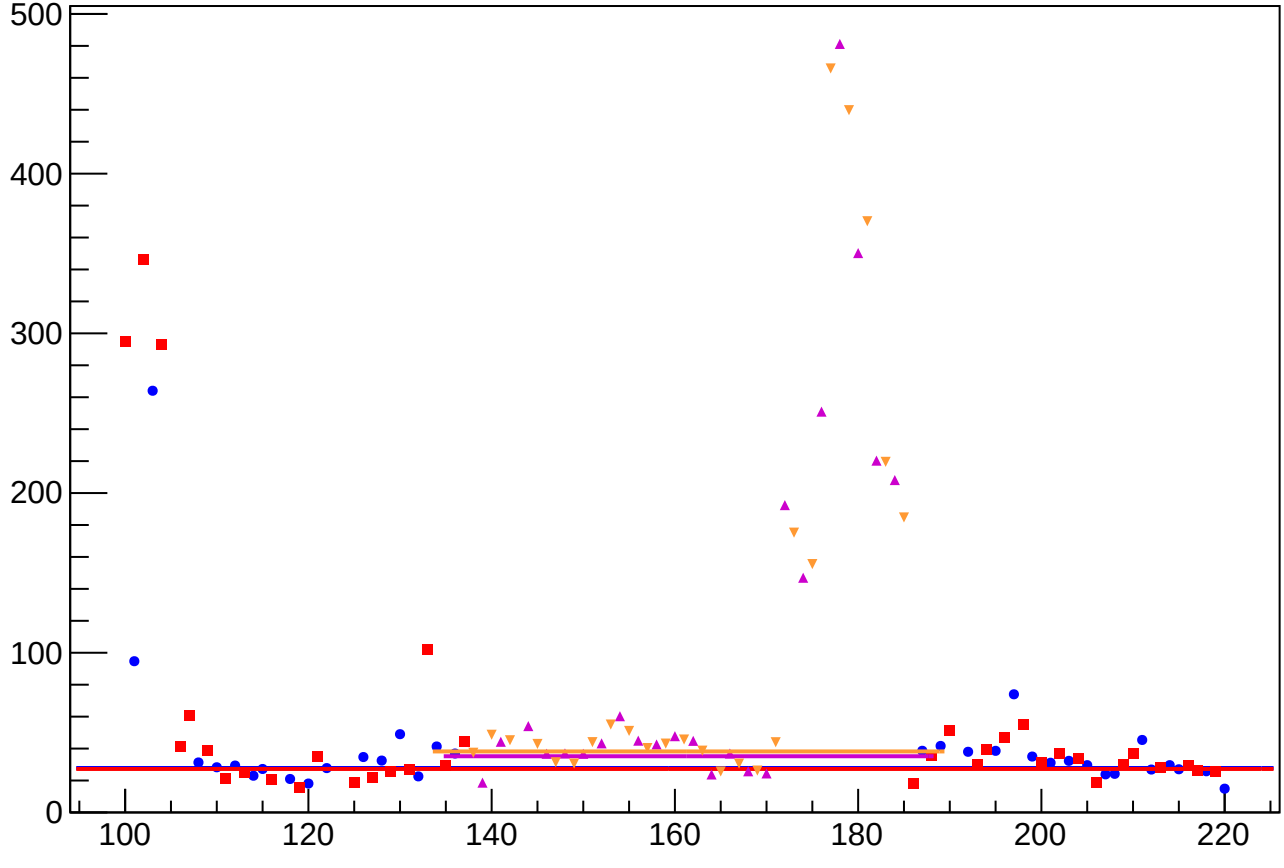
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.003+/-0.005 χ^2/NDF: 59.1/67

In: -0.006+/-0.006 χ^2/NDF:52.5/55

Out: 0.012+/-0.006 χ^2/NDF:65.0/58

All: 0.003+/-0.004 χ^2/NDF: 122.6/114



Right In: 27.828+/-0.005 χ^2/NDF: 4389200.5/32

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

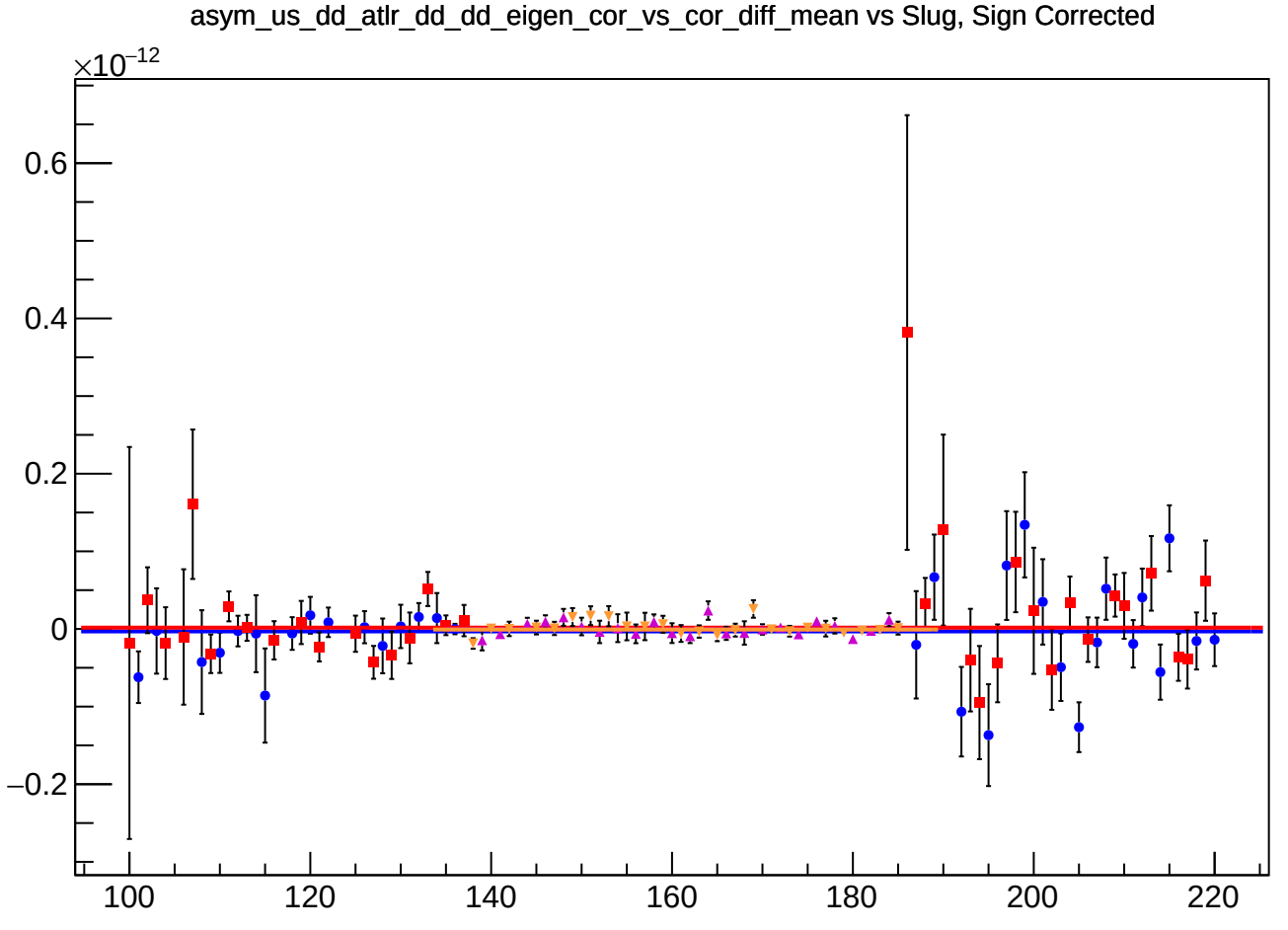
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 27.532+/-0.003 χ^2/NDF: 9233722.3/67

In: 30.186+/-0.004 χ^2/NDF:14481273.8/55

Out: 30.456+/-0.004 χ^2/NDF:14579107.5/58

All: 30.320+/-0.003 χ^2/NDF: 29062541.9/114



Right In: -0.000+/-0.000 χ^2/NDF: 54.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 41.0/34

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

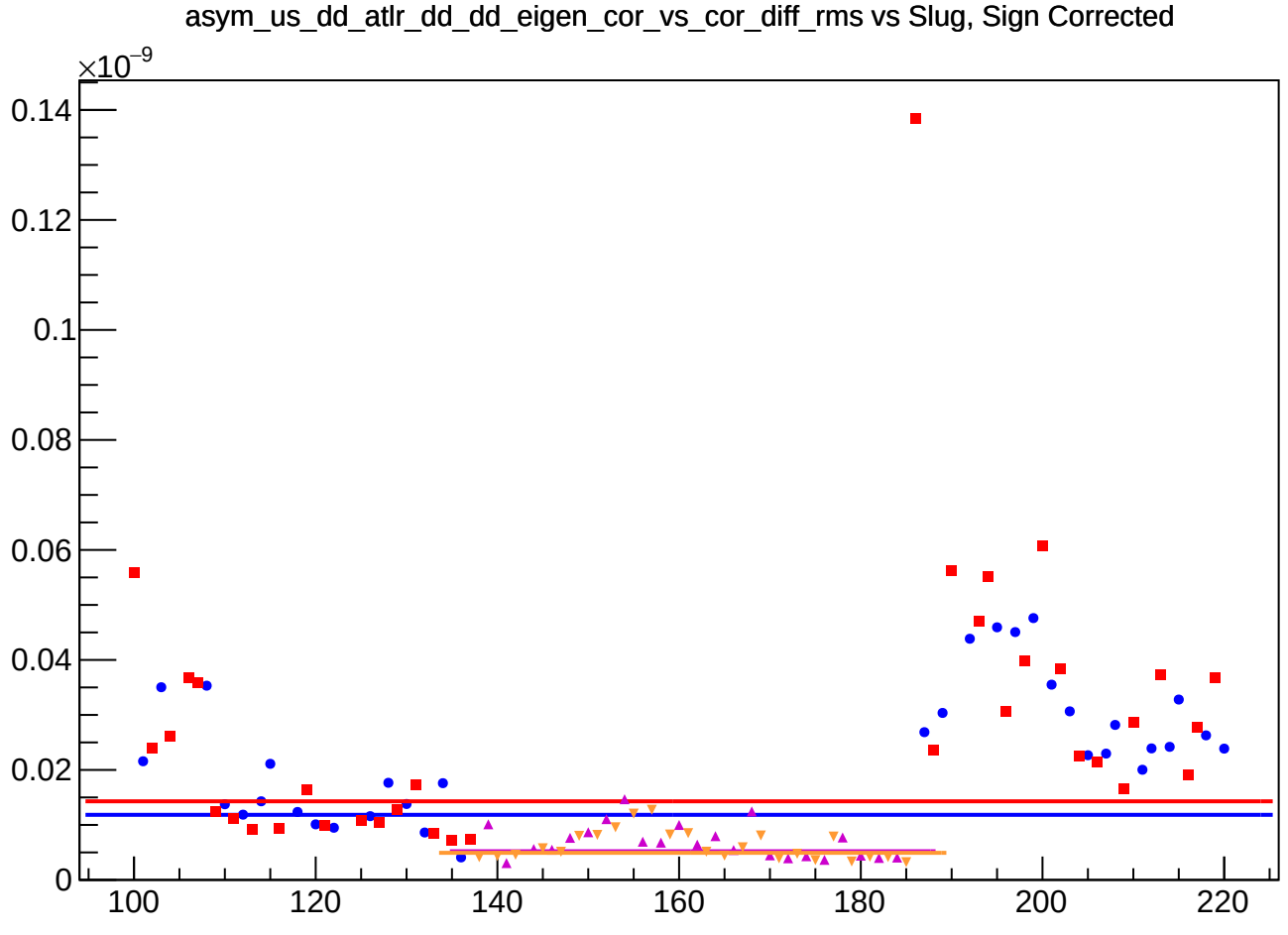
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 96.3/67

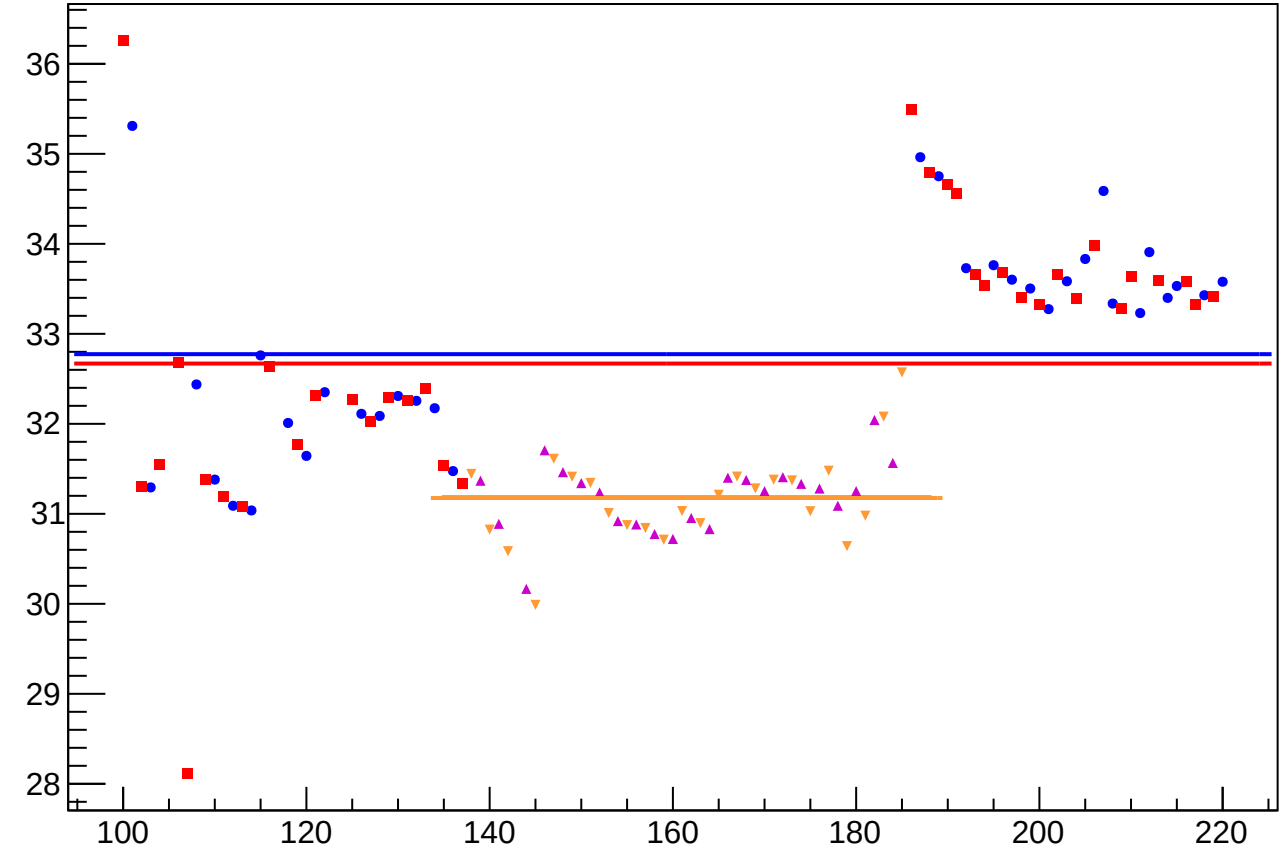
In: -0.000+/-0.000 χ^2/NDF:81.3/55

Out: -0.000+/-0.000 χ^2/NDF:62.4/58

All: -0.000+/-0.000 χ^2/NDF: 143.7/114


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9429116.7/32
Left Out: 0.000+/-0.000 χ²/NDF:2632036.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 7239966.1/34
Left In: 0.000+/-0.000 χ²/NDF:3449719.7/22
Left: 0.000+/-0.000 χ²/NDF: 6113497.8/46
Right: 0.000+/-0.000 χ²/NDF: 16949520.0/67
In: 0.000+/-0.000 χ²/NDF:16971852.9/55
Out: 0.000+/-0.000 χ²/NDF:16388140.2/58
All: 0.000+/-0.000 χ²/NDF: 33390070.4/114

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.774+/-0.000 χ^2/NDF: 2640698320.5/32

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.670+/-0.000 χ^2/NDF: 2453165387.8/35

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

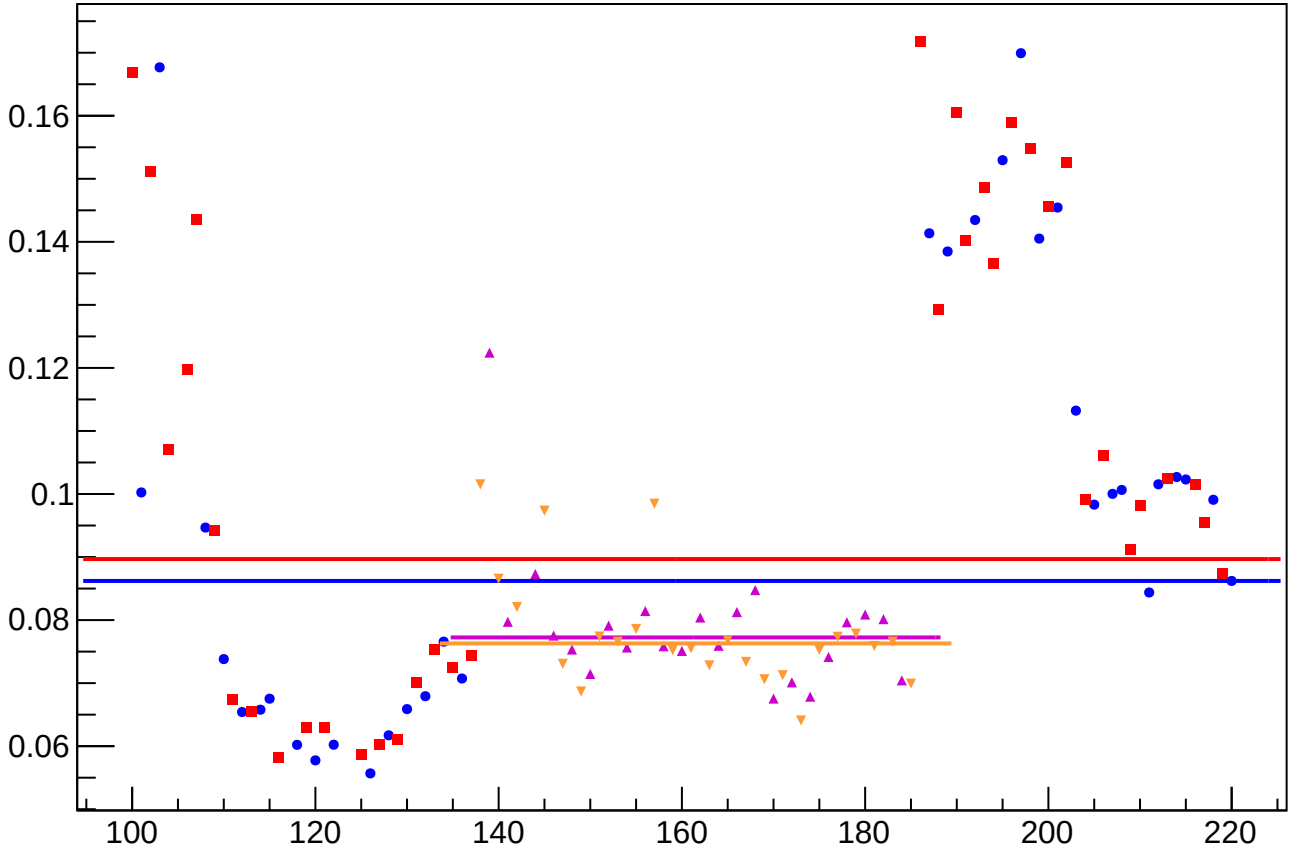
Right: 32.724+/-0.000 χ^2/NDF: 5106651130.6/68

In: 31.926+/-0.000 χ^2/NDF:6308651322.3/55

Out: 31.834+/-0.000 χ^2/NDF:5813738111.6/59

All: 31.881+/-0.000 χ^2/NDF: 12144466737.2

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 3625857.7/32

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.090+/-0.000 χ^2/NDF: 4016731.2/35

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

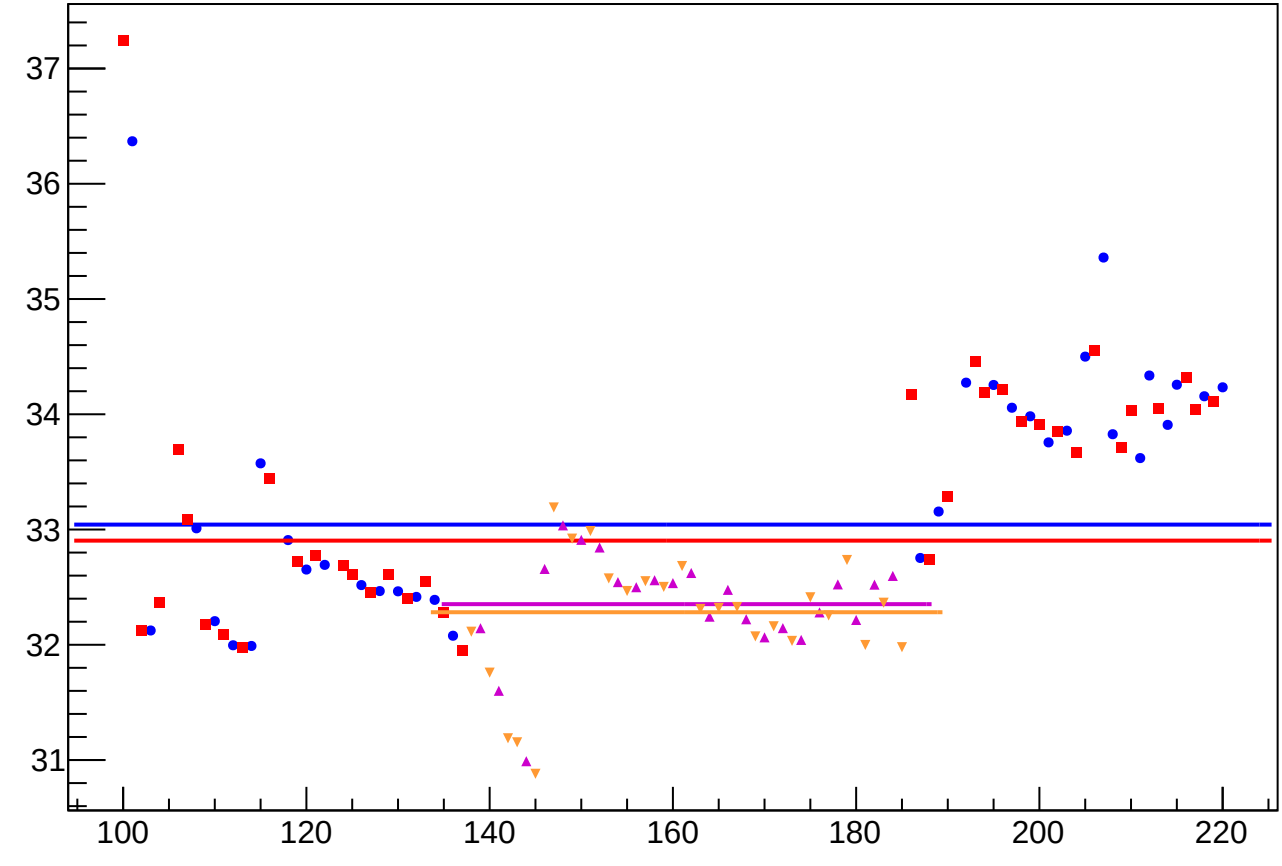
Right: 0.088+/-0.000 χ^2/NDF: 7670870.6/68

In: 0.081+/-0.000 χ^2/NDF:4199425.8/55

Out: 0.082+/-0.000 χ^2/NDF:4827849.4/59

All: 0.082+/-0.000 χ^2/NDF: 9030198.9/115

yield_usr_mean vs Slug, Sign Corrected



Right In: 33.043+/-0.000 χ^2/NDF: 1338482809.4/32

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.904+/-0.000 χ^2/NDF: 736832173.5/35

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

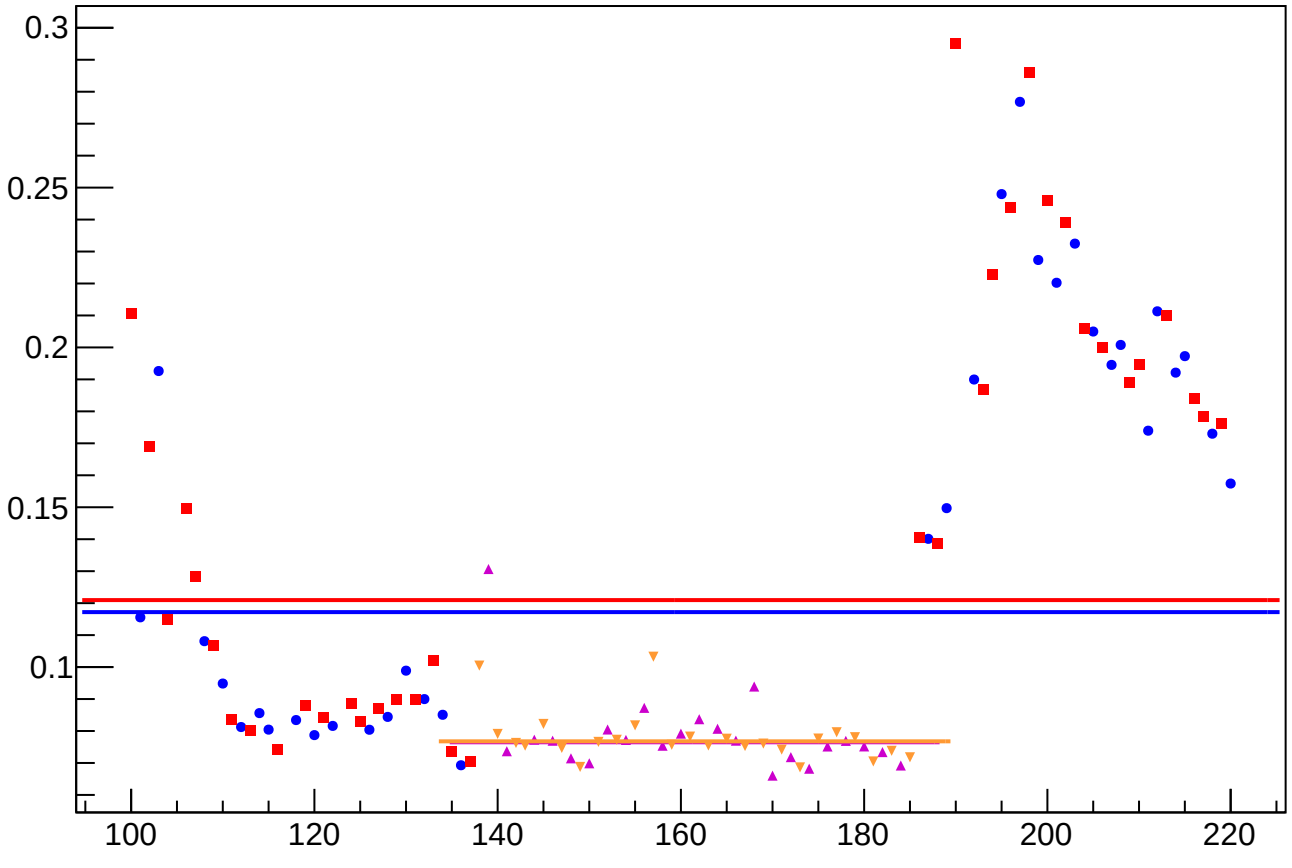
Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

Right: 32.975+/-0.000 χ^2/NDF: 2086524001.1/68

In: 32.554+/-0.000 χ^2/NDF:2328270369.2/55

Out: 32.453+/-0.000 χ^2/NDF:1893538785.6/60

All: 32.503+/-0.000 χ^2/NDF: 4242690995.6/1



Right In: 0.117+/-0.000 χ^2/NDF: 6848723.0/32

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.121+/-0.000 χ^2/NDF: 6583308.5/35

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

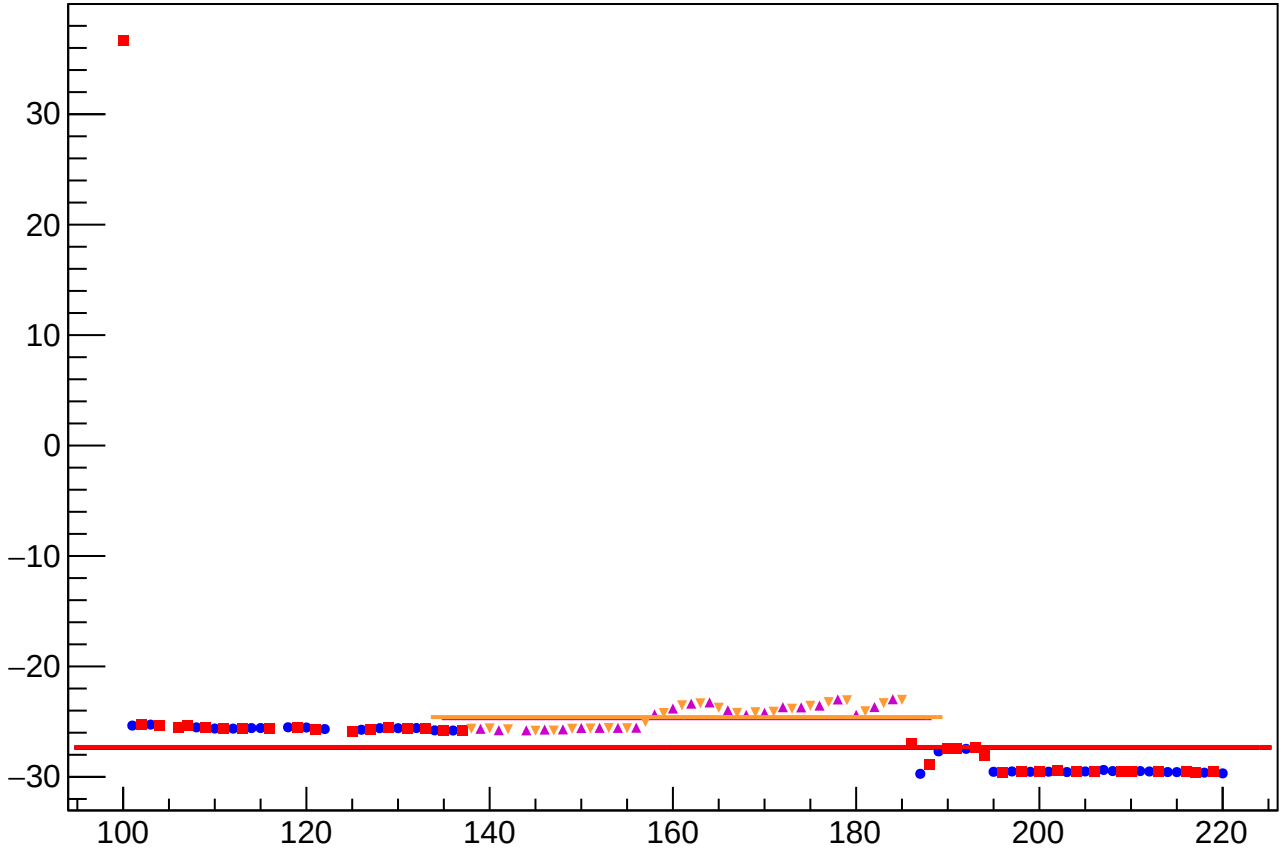
Right: 0.119+/-0.000 χ^2/NDF: 13448425.0/68

In: 0.088+/-0.000 χ^2/NDF:10115888.7/55

Out: 0.089+/-0.000 χ^2/NDF:10048599.3/60

All: 0.089+/-0.000 χ^2/NDF: 20165717.1/116

yield_dsl_mean vs Slug, Sign Corrected



Right In: -27.370+/-0.000 χ^2/NDF: 29058544150.2/32

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -27.291+/-0.000 χ^2/NDF: 36885523680.3/35

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

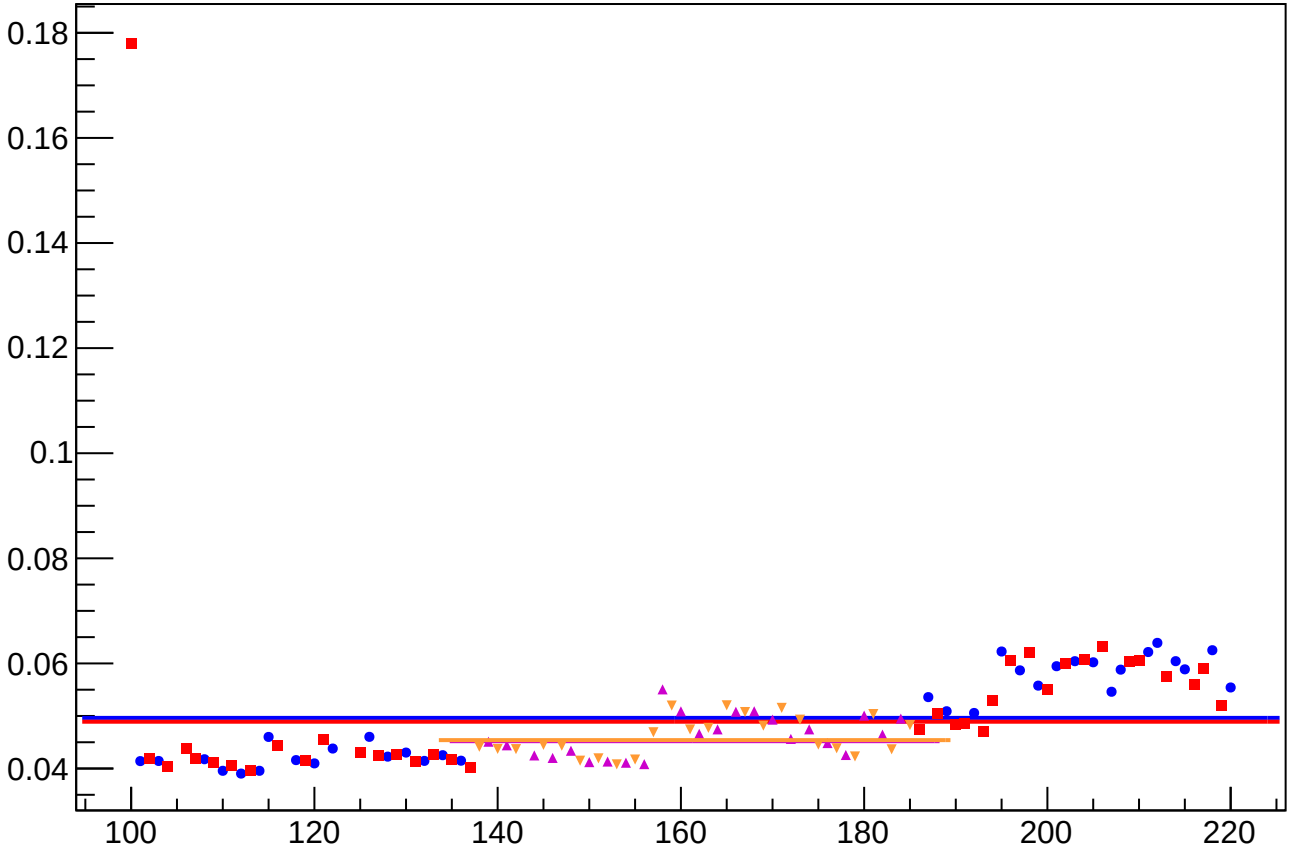
Right: -27.330+/-0.000 χ^2/NDF: 65969352277.1/68

In: -25.975+/-0.000 χ^2/NDF:67922890733.0/55

Out: -25.916+/-0.000 χ^2/NDF:77441455722.6/59

All: -25.945+/-0.000 χ^2/NDF: 145393439946

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.050+/-0.000 χ^2/NDF: 1190892.1/32

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.049+/-0.000 χ^2/NDF: 1120946.8/35

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

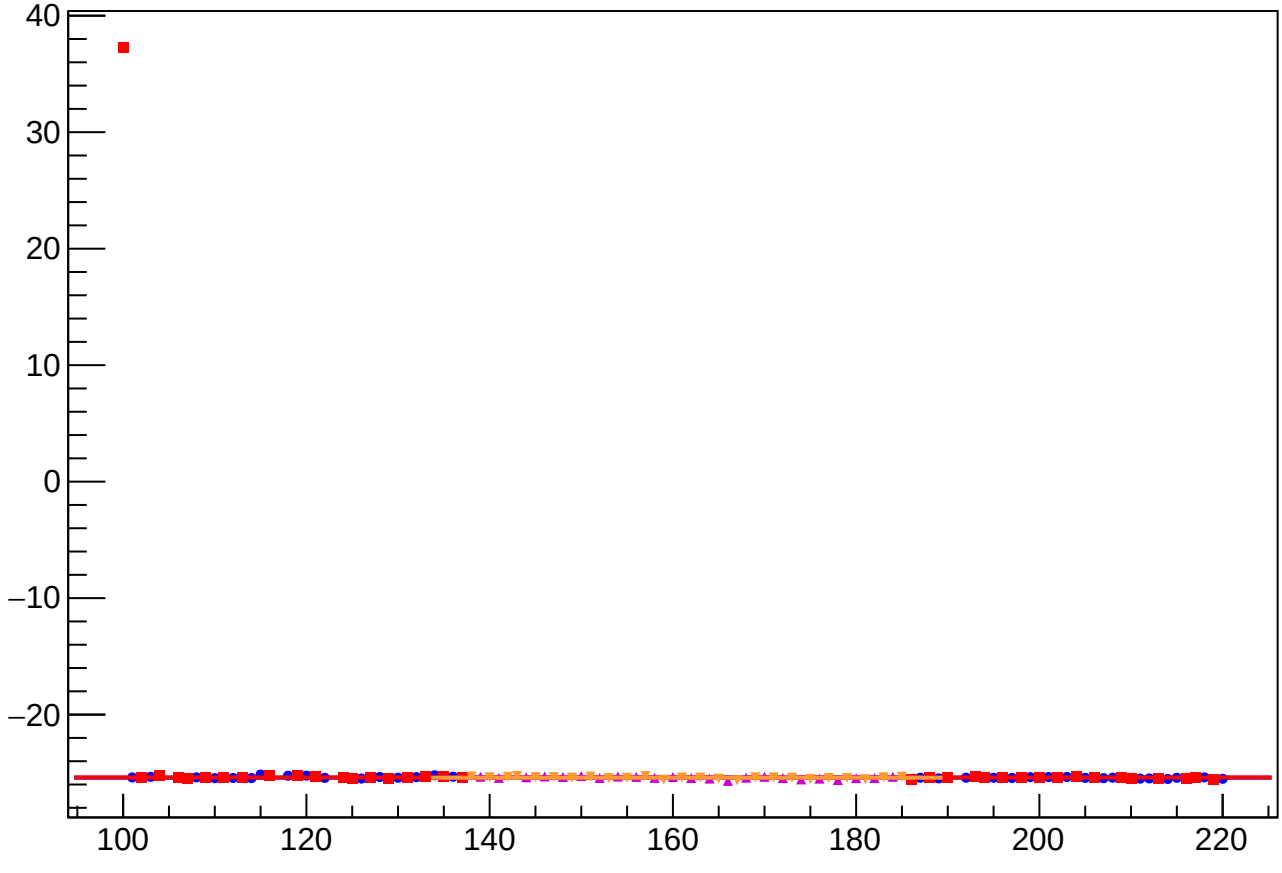
Right: 0.049+/-0.000 χ^2/NDF: 2316195.6/68

In: 0.047+/-0.000 χ^2/NDF:1599820.2/55

Out: 0.047+/-0.000 χ^2/NDF:1431857.4/59

All: 0.047+/-0.000 χ^2/NDF: 3032378.3/115

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.412+/-0.000 χ^2/NDF: 35299630.5/32

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.394+/-0.000 χ^2/NDF: 6354639213.3/35

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

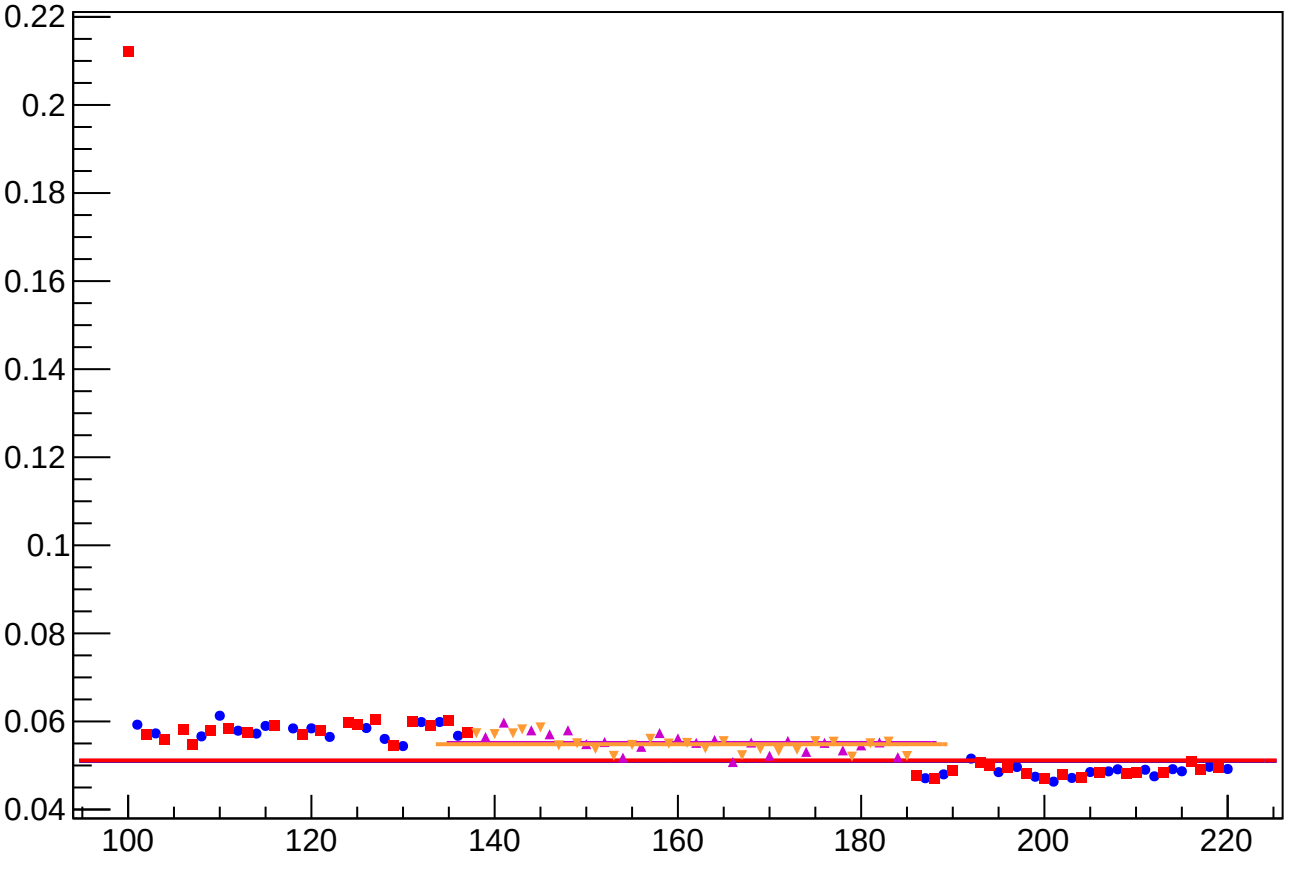
Right: -25.403+/-0.000 χ^2/NDF: 6391190550.3/68

In: -25.413+/-0.000 χ^2/NDF:91164601.4/55

Out: -25.404+/-0.000 χ^2/NDF:6408593820.1/60

All: -25.409+/-0.000 χ^2/NDF: 6500297991.1/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.051+/-0.000 χ^2/NDF: 282627.1/32

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.051+/-0.000 χ^2/NDF: 381234.7/35

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

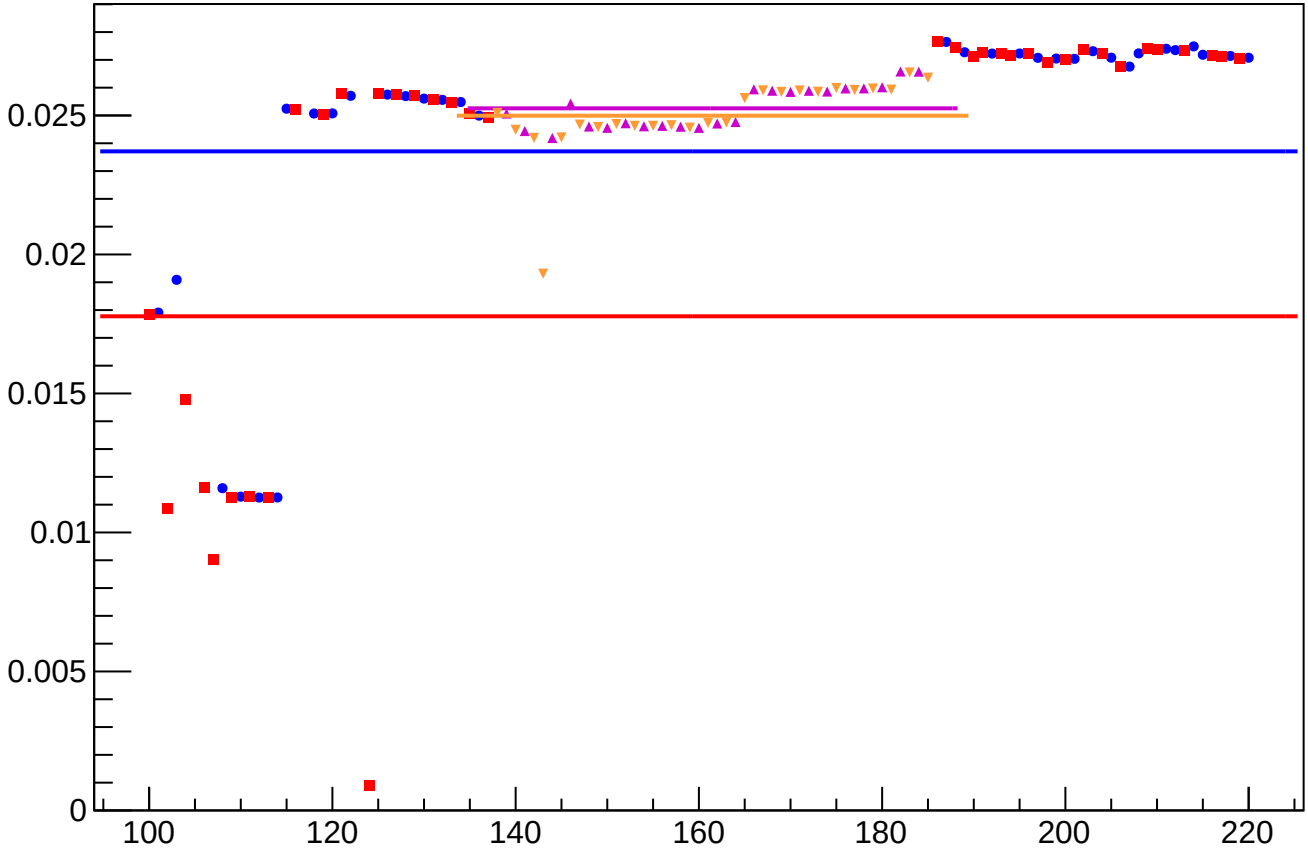
Right: 0.051+/-0.000 χ^2/NDF: 663948.4/68

In: 0.053+/-0.000 χ^2/NDF:445151.9/55

Out: 0.053+/-0.000 χ^2/NDF:513459.9/60

All: 0.053+/-0.000 χ^2/NDF: 958612.9/116

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 105214889421.2/32

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.018+/-0.000 χ^2/NDF: 505889219224.1/36

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

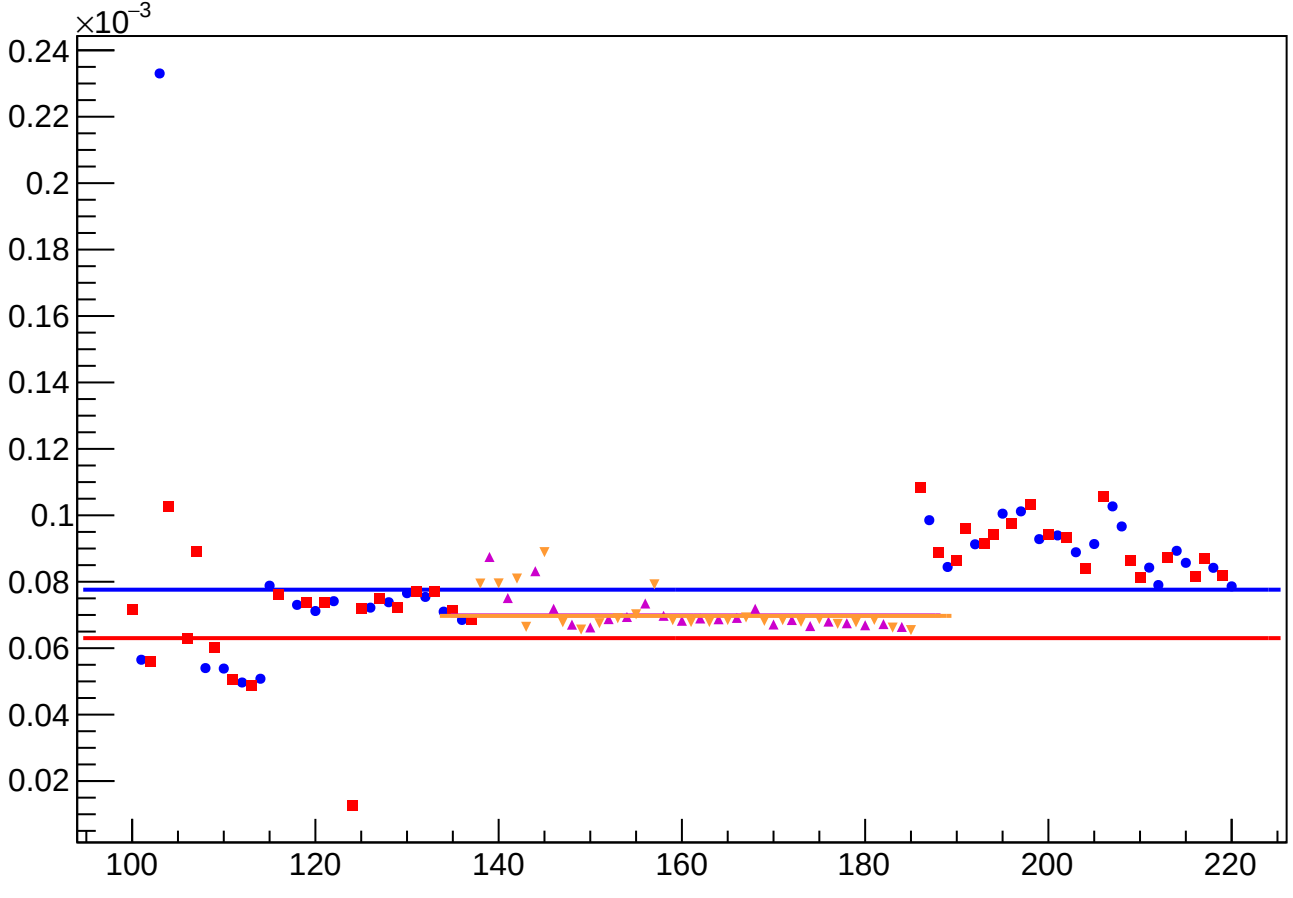
Right: 0.020+/-0.000 χ^2/NDF: 675612616231.8/69

In: 0.025+/-0.000 χ^2/NDF:111233389742.2/55

Out: 0.021+/-0.000 χ^2/NDF:619149403711.6/61

All: 0.023+/-0.000 χ^2/NDF: 770821321164.8

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1960289.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8073829.4/36

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

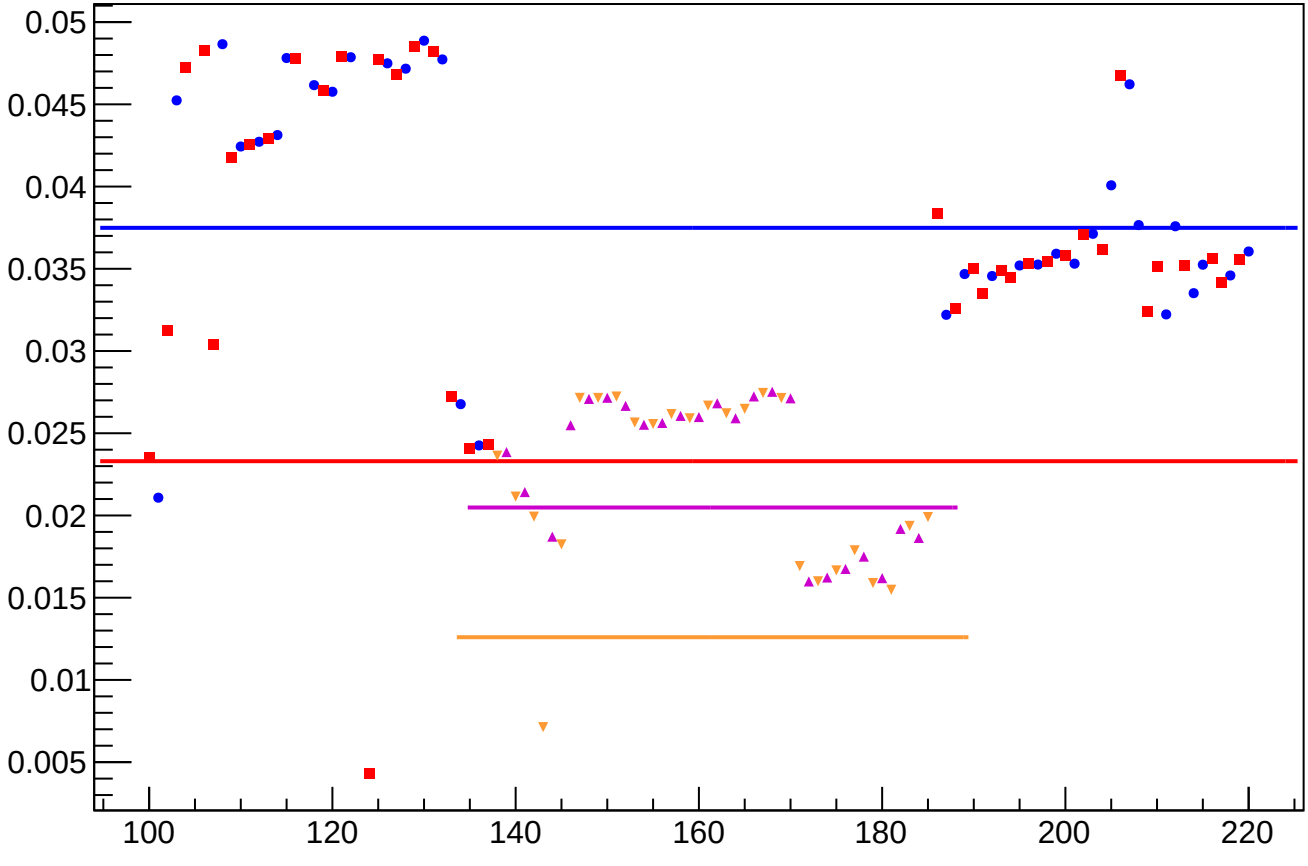
Right: 0.000+/-0.000 χ^2/NDF: 10813955.4/69

In: 0.000+/-0.000 χ^2/NDF:2319424.0/55

Out: 0.000+/-0.000 χ^2/NDF:8443848.0/61

All: 0.000+/-0.000 χ^2/NDF: 11156037.5/117

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.000 χ^2/NDF: 7481093709.6/32

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.023+/-0.000 χ^2/NDF: 48519699121.8/36

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

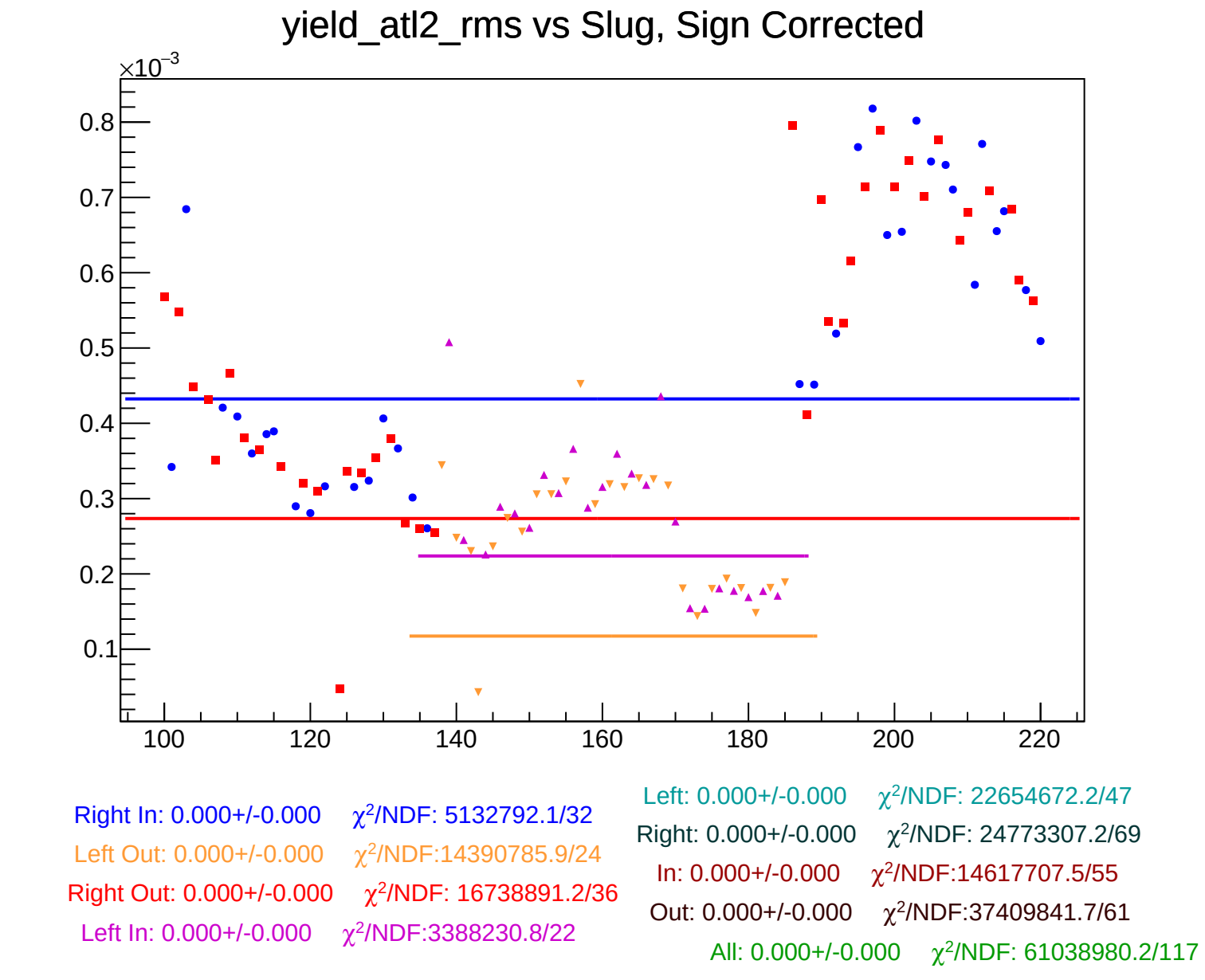
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.029+/-0.000 χ^2/NDF: 67578132095.4/69

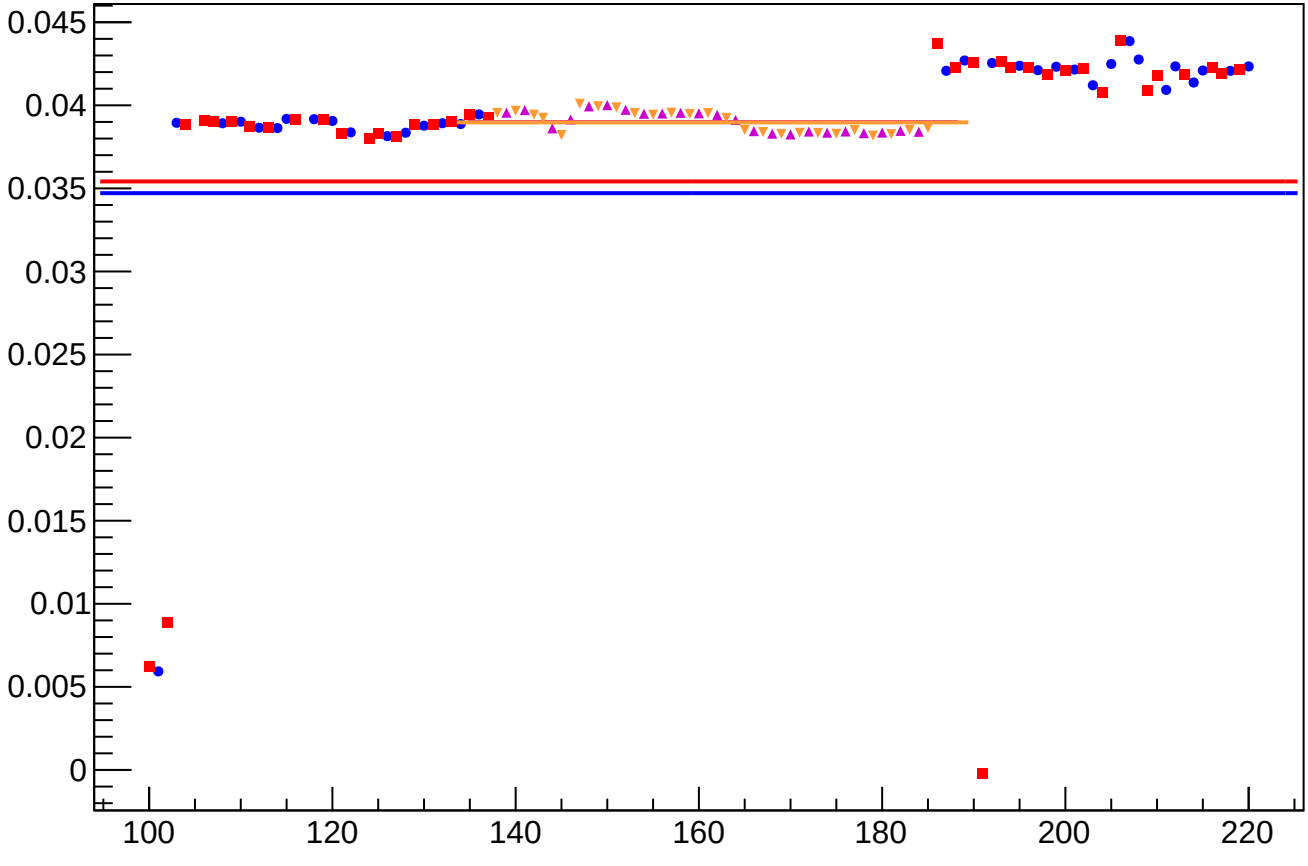
In: 0.024+/-0.000 χ^2/NDF:33846738831.4/55

Out: 0.014+/-0.000 χ^2/NDF:100616732246.8/61

All: 0.017+/-0.000 χ^2/NDF: 161938271900.4


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5132792.1/32
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 16738891.2/36
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: 24773307.2/69
In: 0.000+/-0.000 χ²/NDF:14617707.5/55
Out: 0.000+/-0.000 χ²/NDF:37409841.7/61
All: 0.000+/-0.000 χ²/NDF: 61038980.2/117

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.000 χ^2/NDF: 138136549368.7/32

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 124871488387.1/36

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

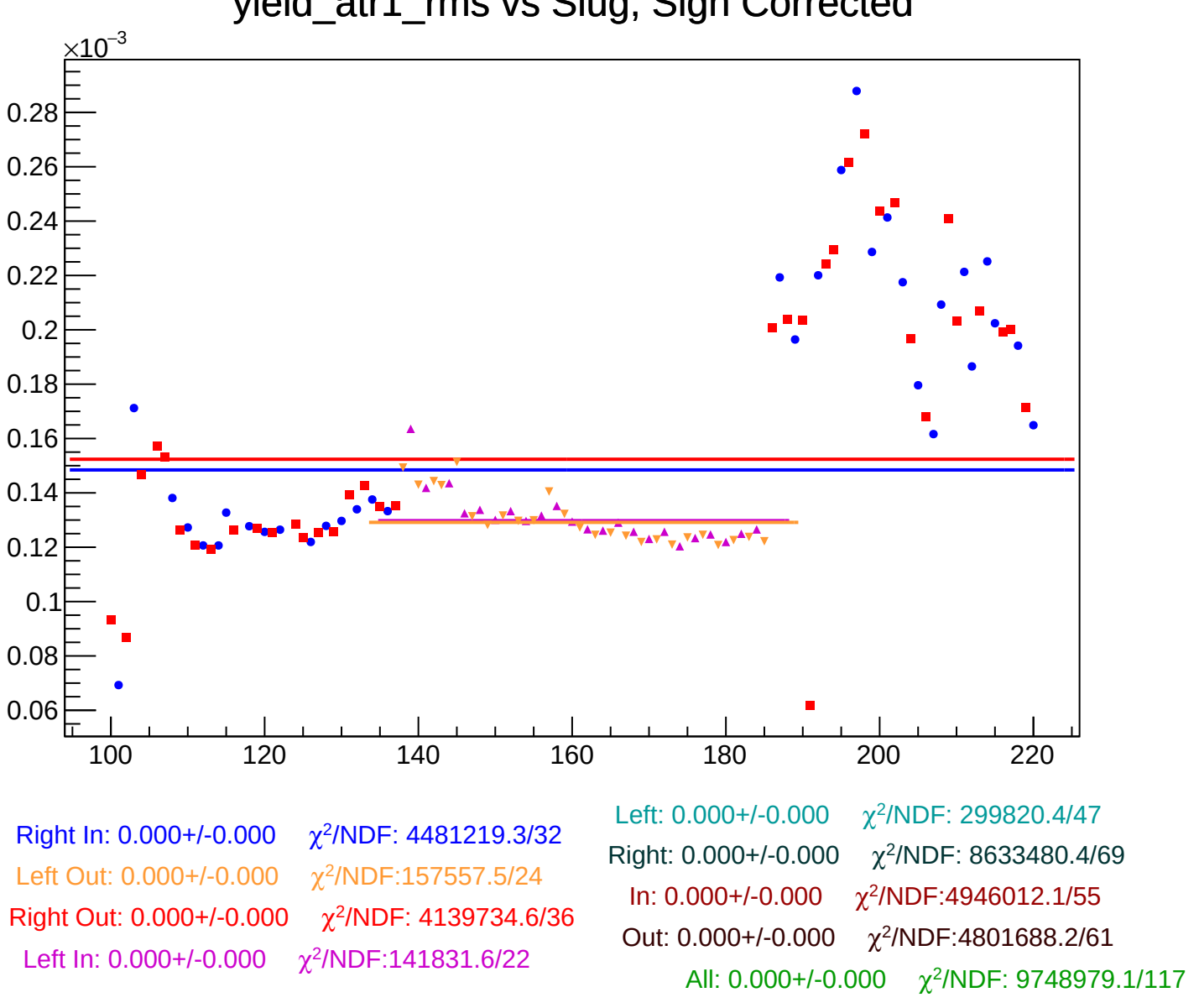
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.035+/-0.000 χ^2/NDF: 263209279956.9/69

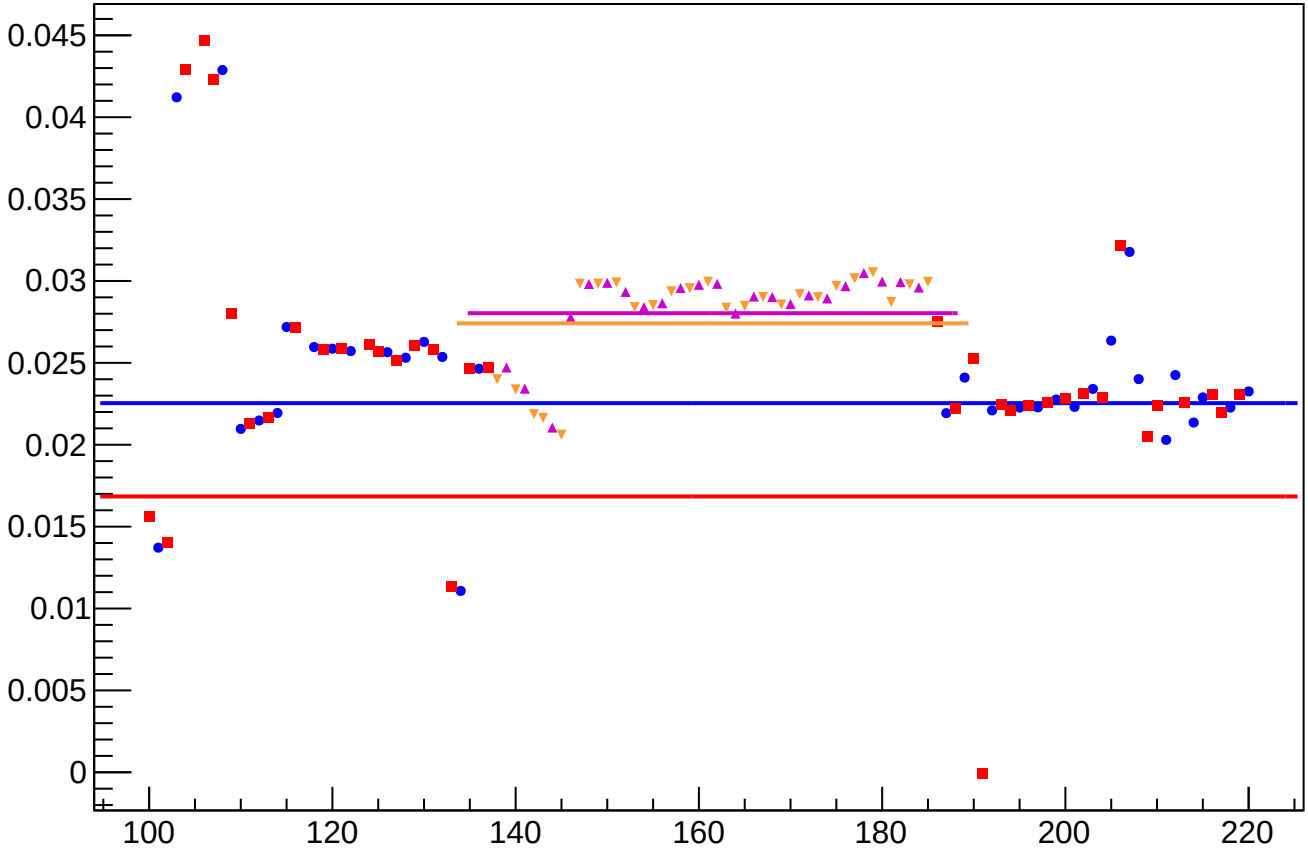
In: 0.037+/-0.000 χ^2/NDF:147045296997.4/55

Out: 0.038+/-0.000 χ^2/NDF:131256449331.5/61

All: 0.037+/-0.000 χ^2/NDF: 278438400734.2


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 4481219.3/32
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4139734.6/36
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
Left: 0.000+/-0.000 χ²/NDF: 299820.4/47
Right: 0.000+/-0.000 χ²/NDF: 8633480.4/69
In: 0.000+/-0.000 χ²/NDF:4946012.1/55
Out: 0.000+/-0.000 χ²/NDF:4801688.2/61
All: 0.000+/-0.000 χ²/NDF: 9748979.1/117

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 5213007079.8/32

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 26075089380.5/36

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

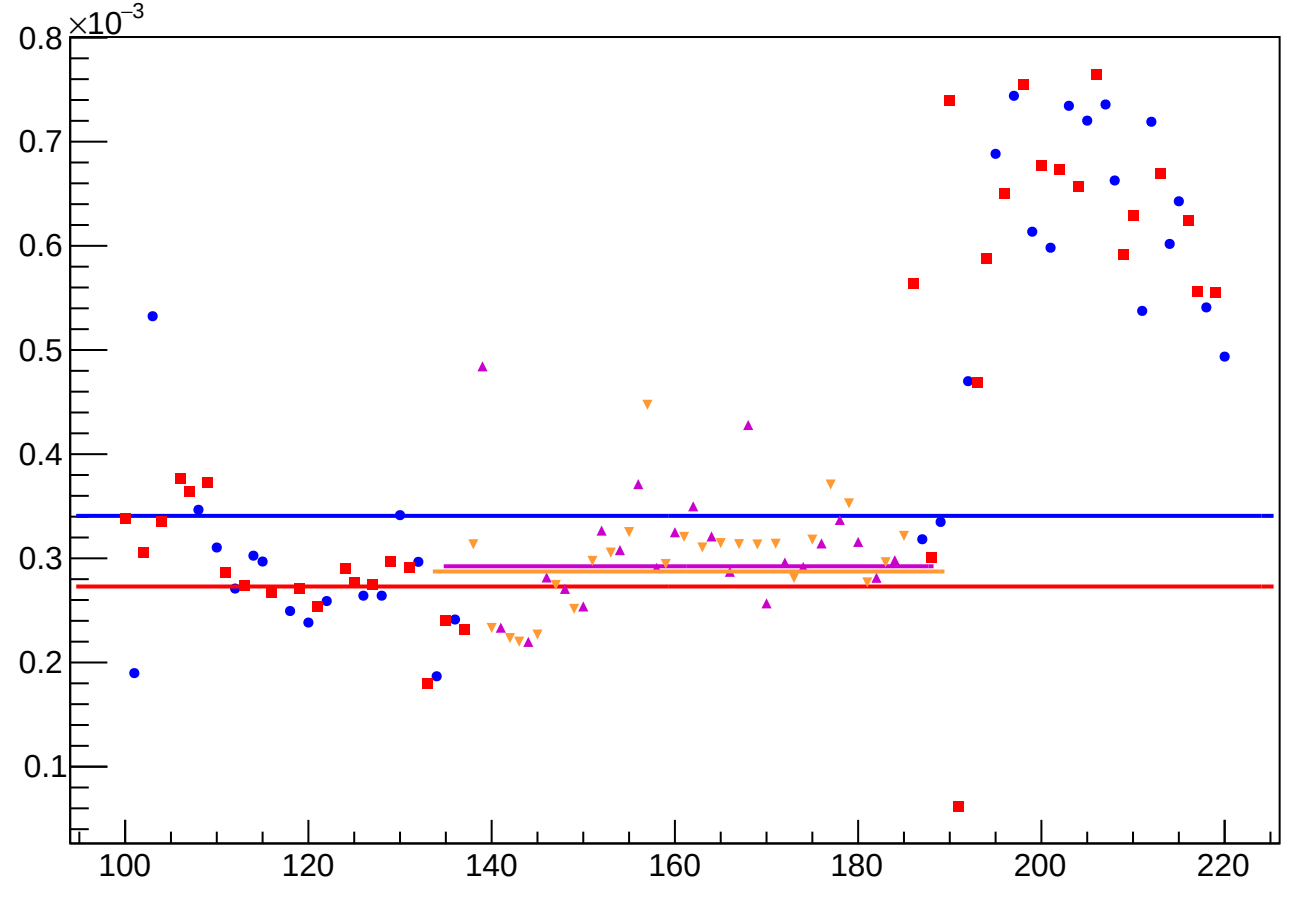
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

Right: 0.019+/-0.000 χ^2/NDF: 33815861791.4/69

In: 0.026+/-0.000 χ^2/NDF:9116970016.2/55

Out: 0.022+/-0.000 χ^2/NDF:39113728850.1/61

All: 0.024+/-0.000 χ^2/NDF: 50127060474.5/1



Right In: 0.000+/-0.000 χ^2/NDF: 7397024.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12808961.3/36

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

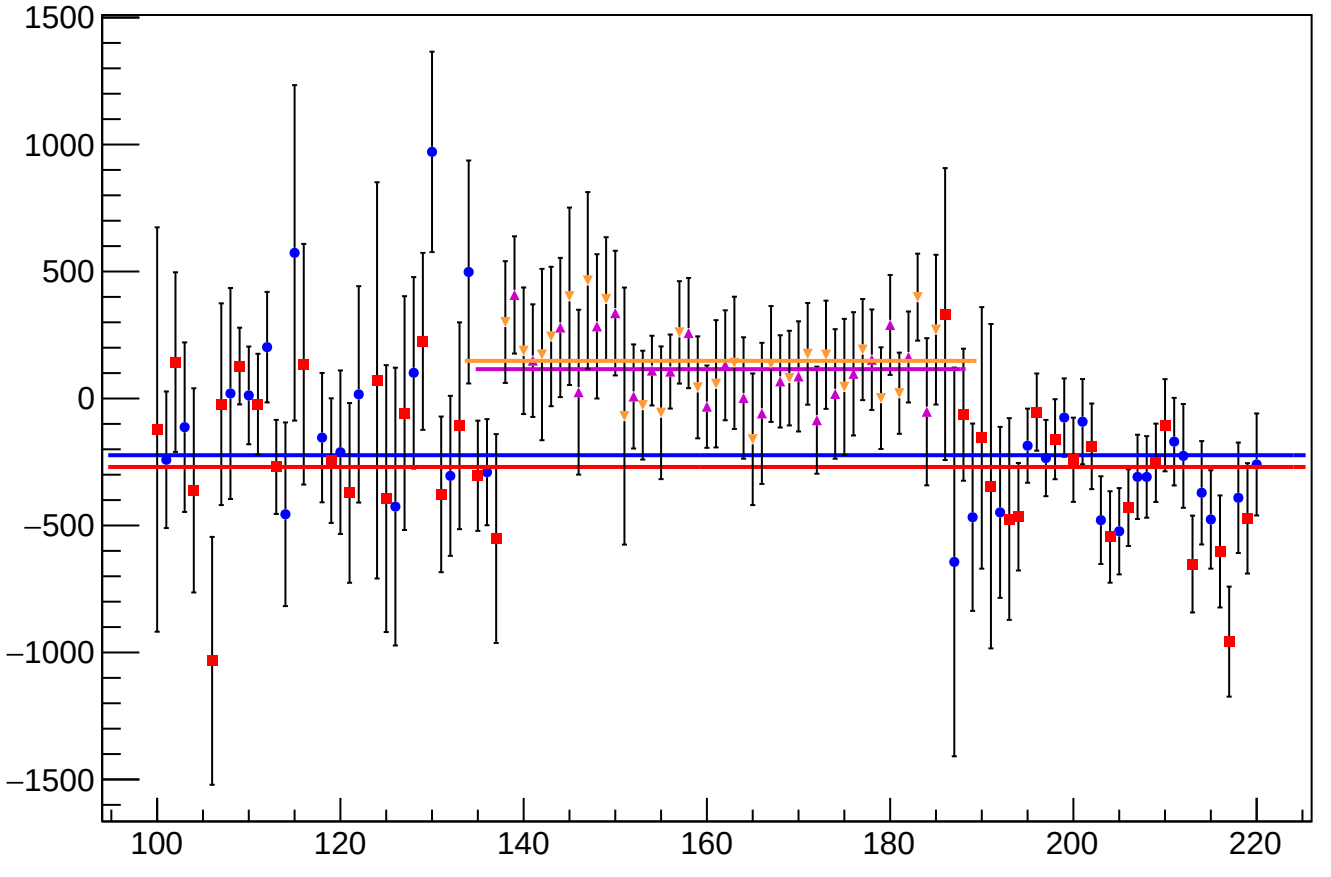
Right: 0.000+/-0.000 χ^2/NDF: 20921899.8/69

In: 0.000+/-0.000 χ^2/NDF:8742383.7/55

Out: 0.000+/-0.000 χ^2/NDF:13670627.3/61

All: 0.000+/-0.000 χ^2/NDF: 22773169.3/117

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -223.285+/-39.027 χ^2/NDF: 32.6/32

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -269.581+/-38.886 χ^2/NDF: 44.1/36

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

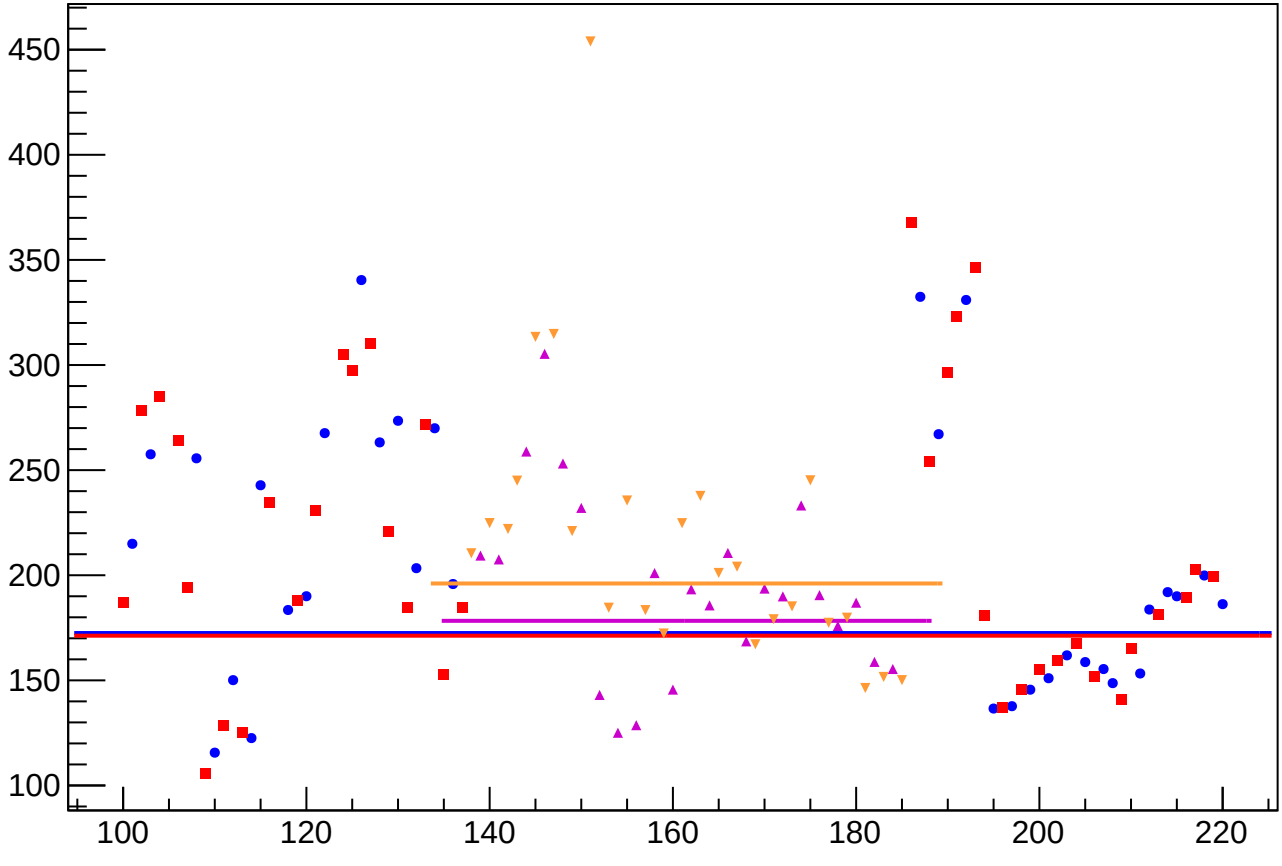
Right: -246.517+/-27.546 χ^2/NDF: 77.3/69

In: -72.468+/-29.070 χ^2/NDF:73.9/55

Out: -96.396+/-29.755 χ^2/NDF:102.3/61

All: -84.153+/-20.794 χ^2/NDF: 176.5/117

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.508+/-0.028 χ^2/NDF: 2380841.3/32

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 171.243+/-0.027 χ^2/NDF: 3110952.2/36

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

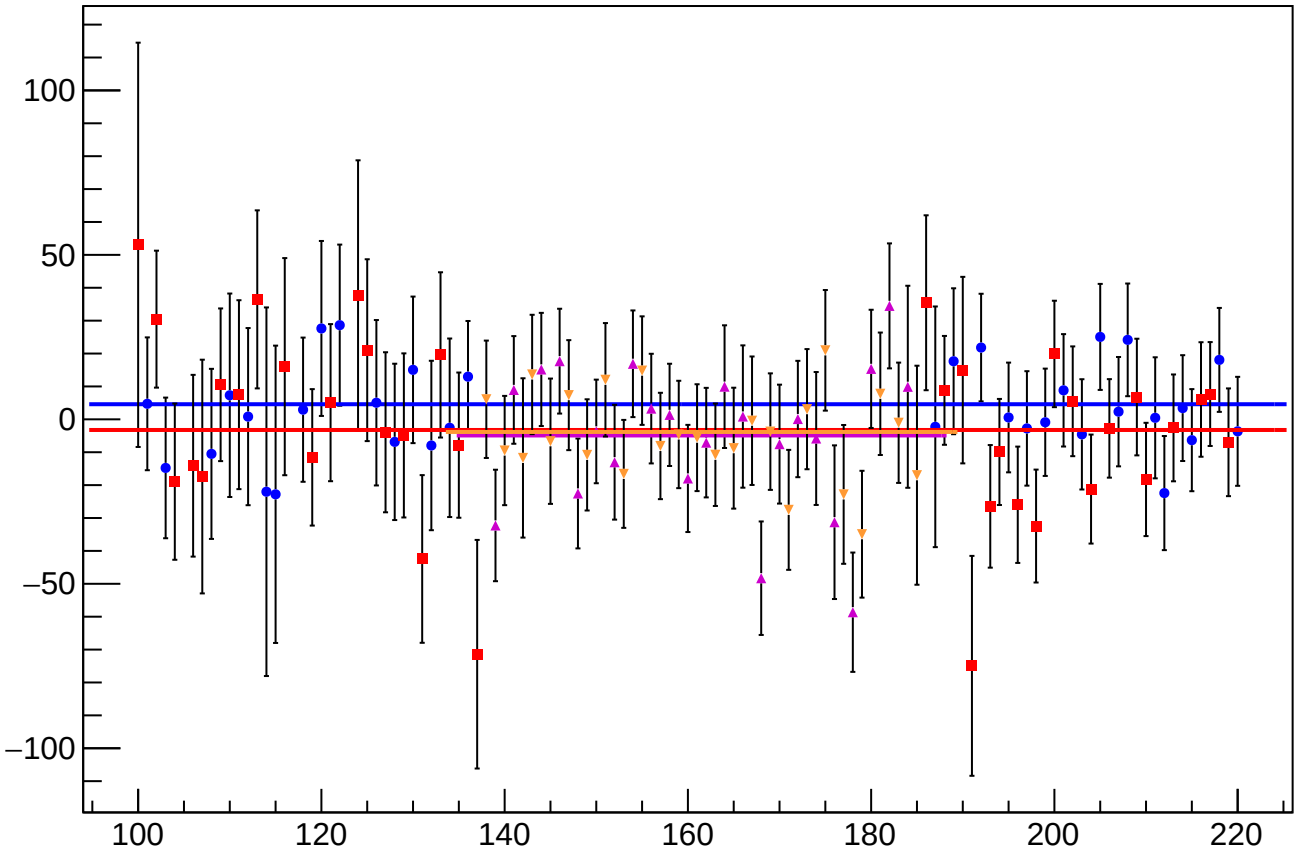
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 171.873+/-0.019 χ^2/NDF: 5492847.8/69

In: 175.094+/-0.021 χ^2/NDF:4078911.3/55

Out: 181.540+/-0.021 χ^2/NDF:5267800.7/61

All: 178.242+/-0.015 χ^2/NDF: 9394725.9/117



Right In: 4.594+/-3.466 χ^2/NDF: 13.6/32

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -3.236+/-3.440 χ^2/NDF: 35.6/36

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

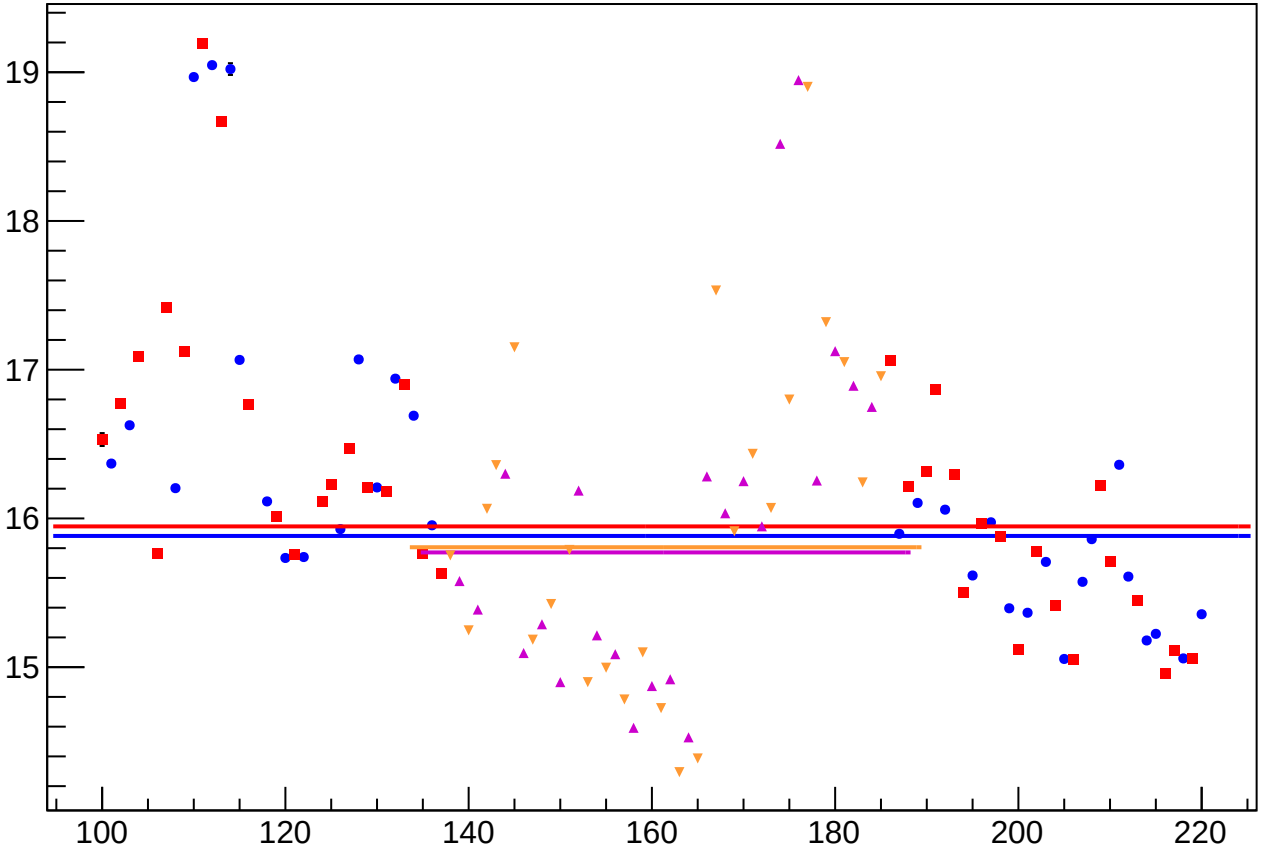
Right: 0.649+/-2.442 χ^2/NDF: 51.8/69

In: 0.149+/-2.528 χ^2/NDF:51.0/55

Out: -3.521+/-2.488 χ^2/NDF:48.5/61

All: -1.716+/-1.773 χ^2/NDF: 100.6/117

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.882+/-0.002 χ^2/NDF: 97528.3/32

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 15.946+/-0.002 χ^2/NDF: 111920.4/36

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

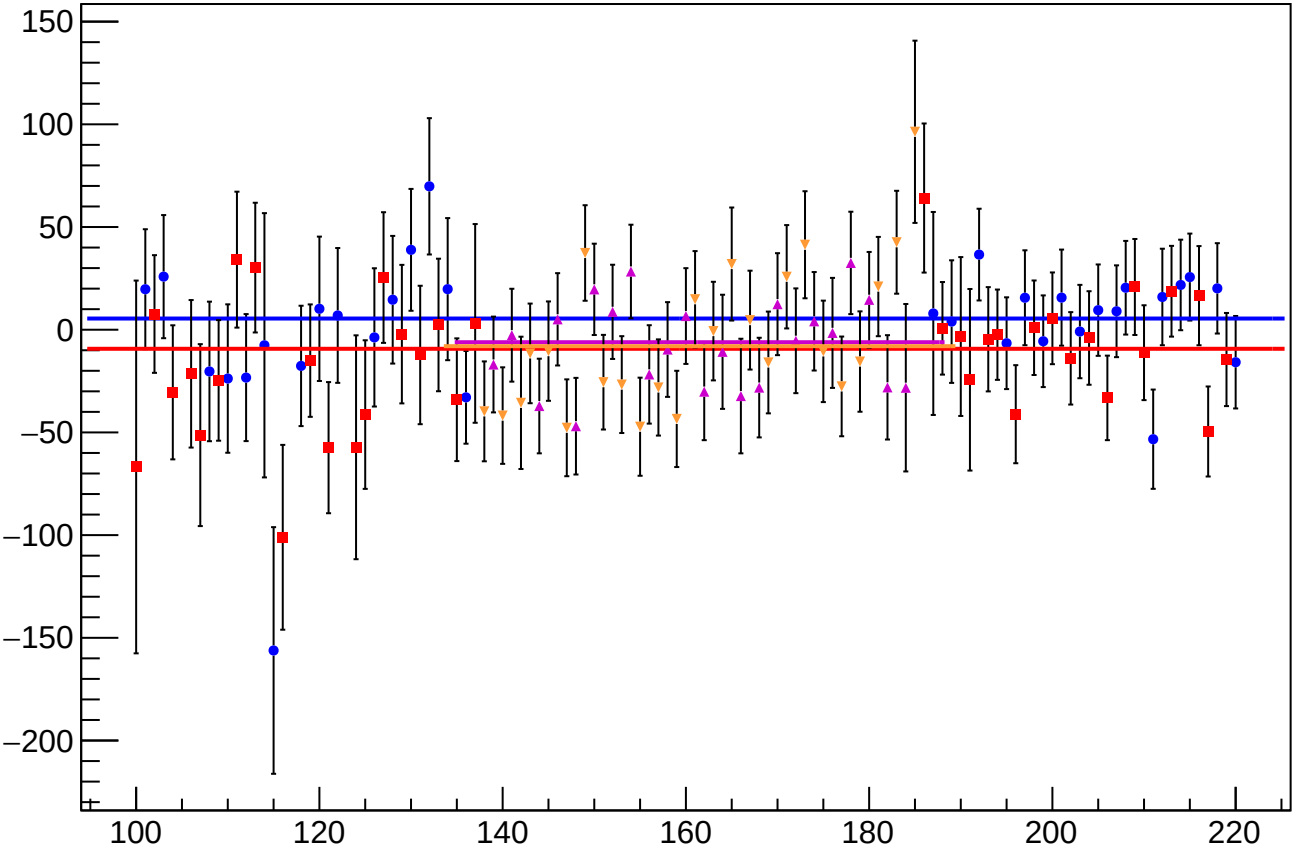
Right: 15.915+/-0.002 χ^2/NDF: 209793.4/69

In: 15.830+/-0.002 χ^2/NDF:250622.1/55

Out: 15.880+/-0.002 χ^2/NDF:286152.7/61

All: 15.855+/-0.001 χ^2/NDF: 537159.4/117

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.445+/-4.656 χ^2/NDF: 31.3/32

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.285+/-4.625 χ^2/NDF: 32.2/36

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

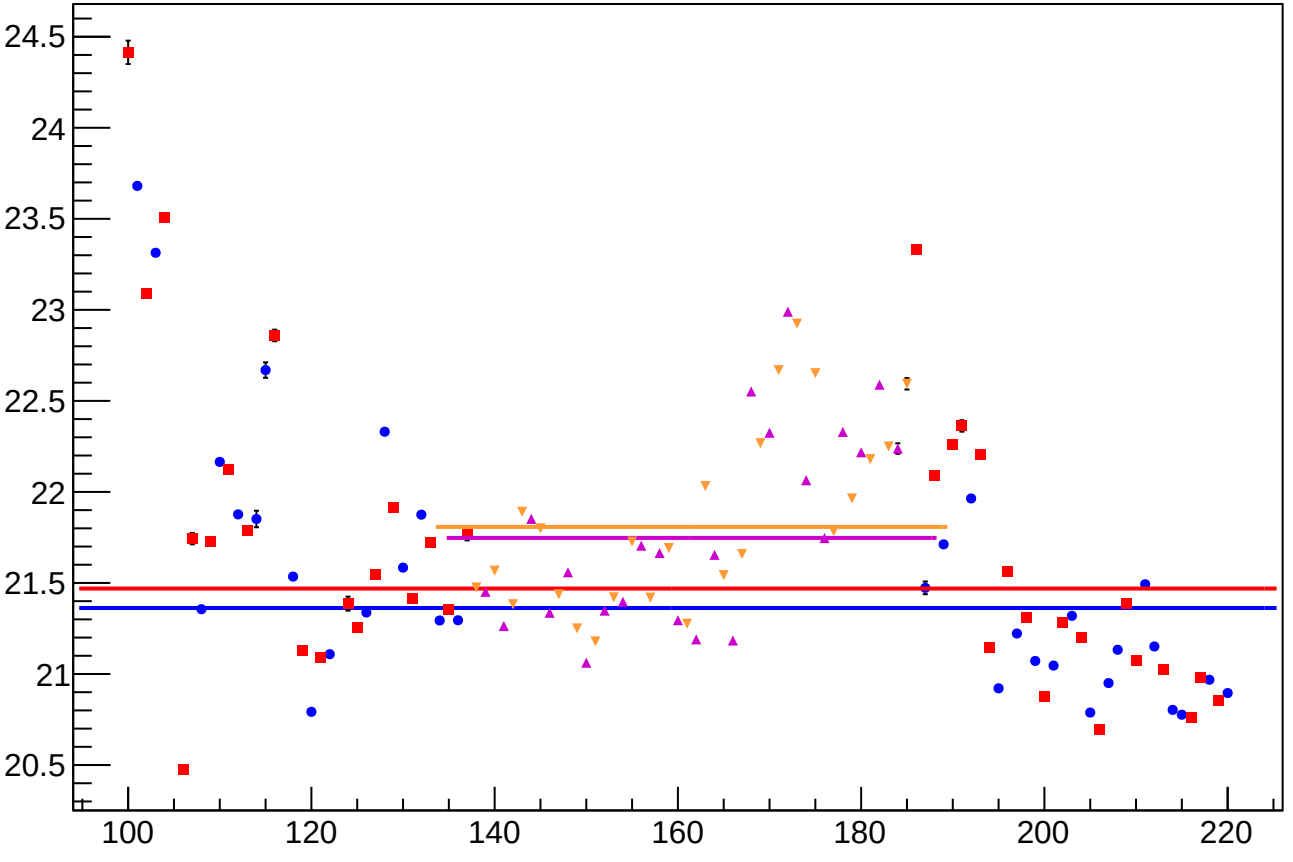
Right: -1.969+/-3.281 χ^2/NDF: 68.5/69

In: 0.181+/-3.432 χ^2/NDF:52.0/55

Out: -8.694+/-3.381 χ^2/NDF:71.1/61

All: -4.323+/-2.409 χ^2/NDF: 126.5/117

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.362+/-0.003 χ^2/NDF: 37019.6/32

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.469+/-0.003 χ^2/NDF: 43181.9/36

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

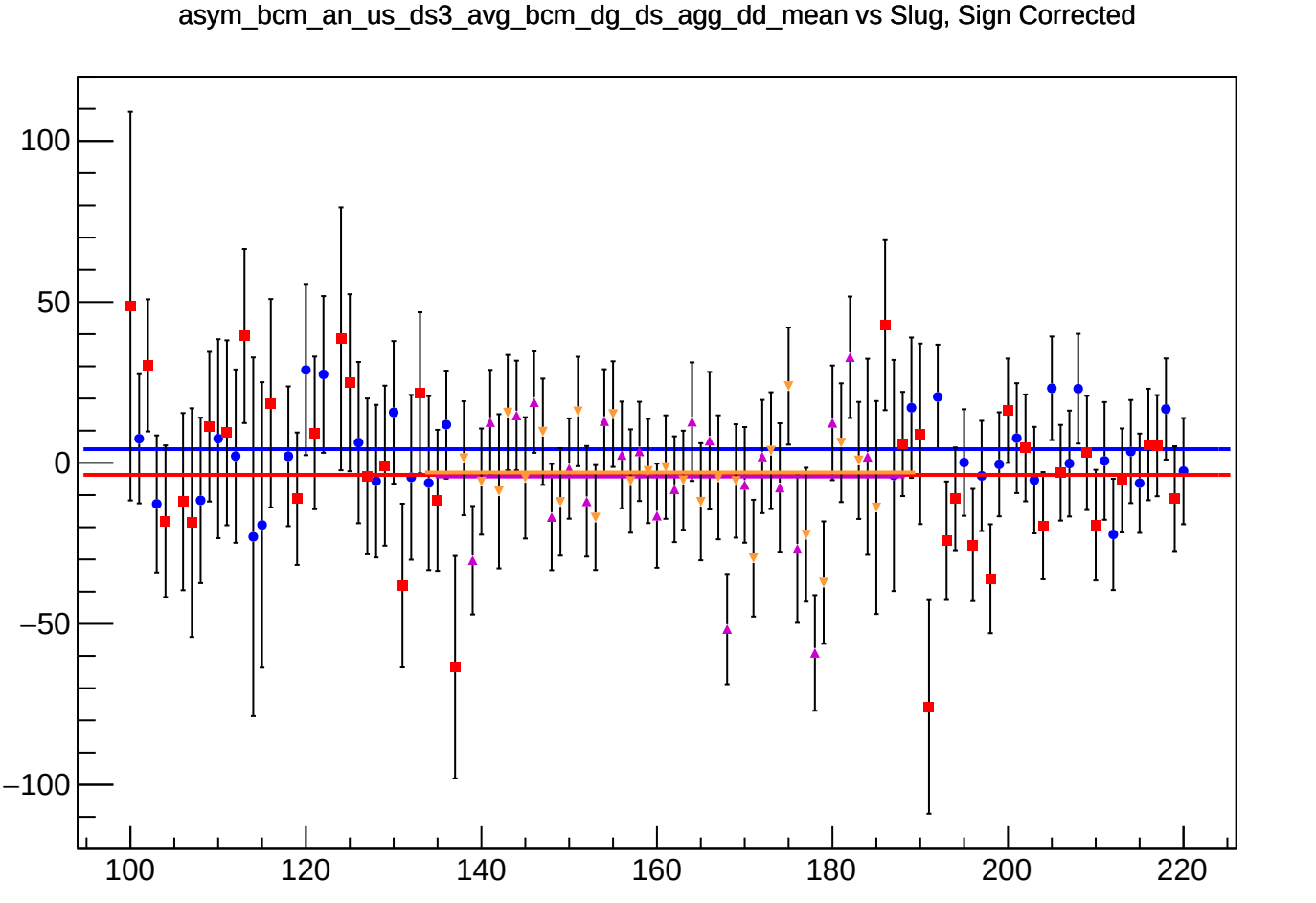
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.416+/-0.002 χ^2/NDF: 80730.9/69

In: 21.538+/-0.002 χ^2/NDF:63818.0/55

Out: 21.627+/-0.002 χ^2/NDF:65729.8/61

All: 21.583+/-0.002 χ^2/NDF: 130224.9/117



Right In: 4.266+/-3.443 χ^2/NDF: 12.8/32

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -3.746+/-3.418 χ^2/NDF: 35.9/36

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

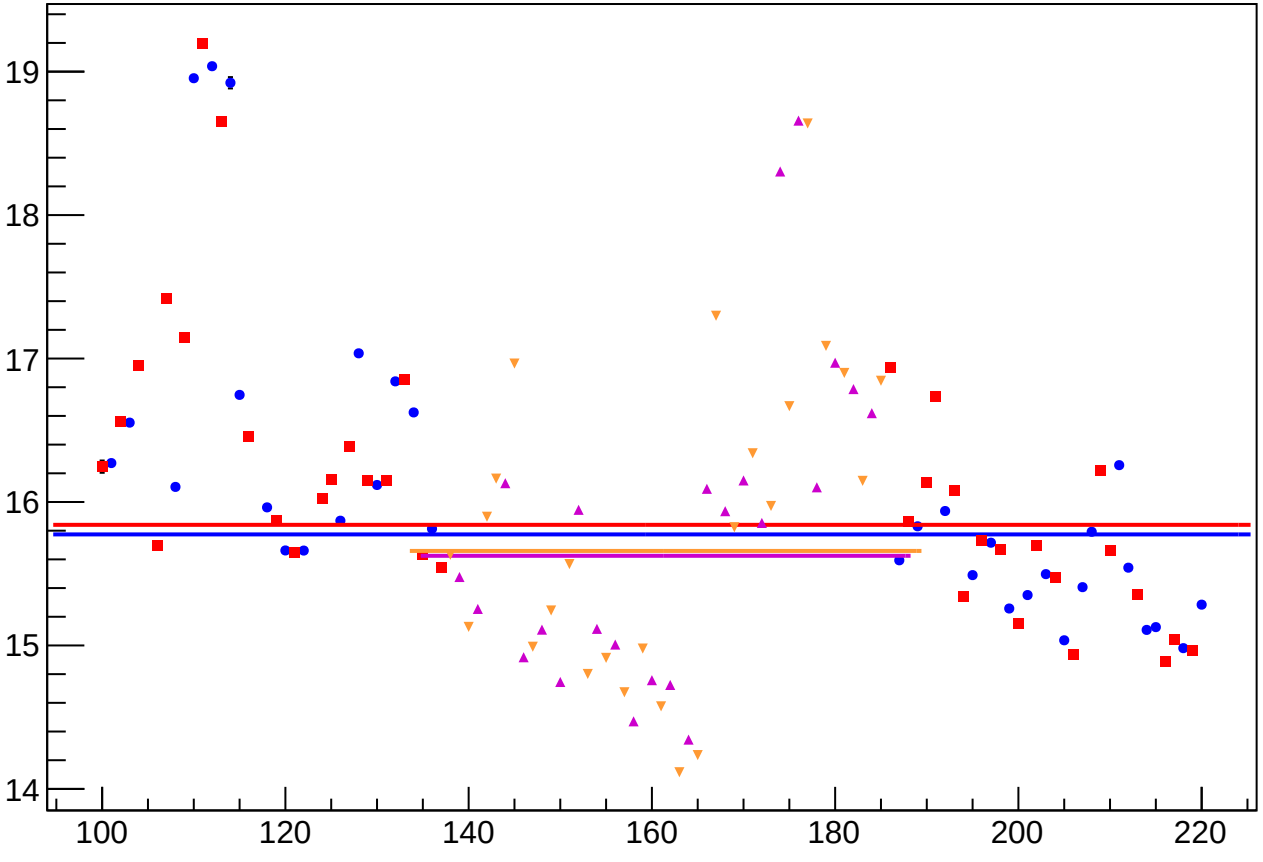
Right: 0.230+/-2.426 χ^2/NDF: 51.4/69

In: 0.269+/-2.508 χ^2/NDF:49.5/55

Out: -3.390+/-2.468 χ^2/NDF:50.5/61

All: -1.590+/-1.759 χ^2/NDF: 101.1/117

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.774+/-0.002 χ^2/NDF: 99517.8/32

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 15.841+/-0.002 χ^2/NDF: 112426.5/36

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

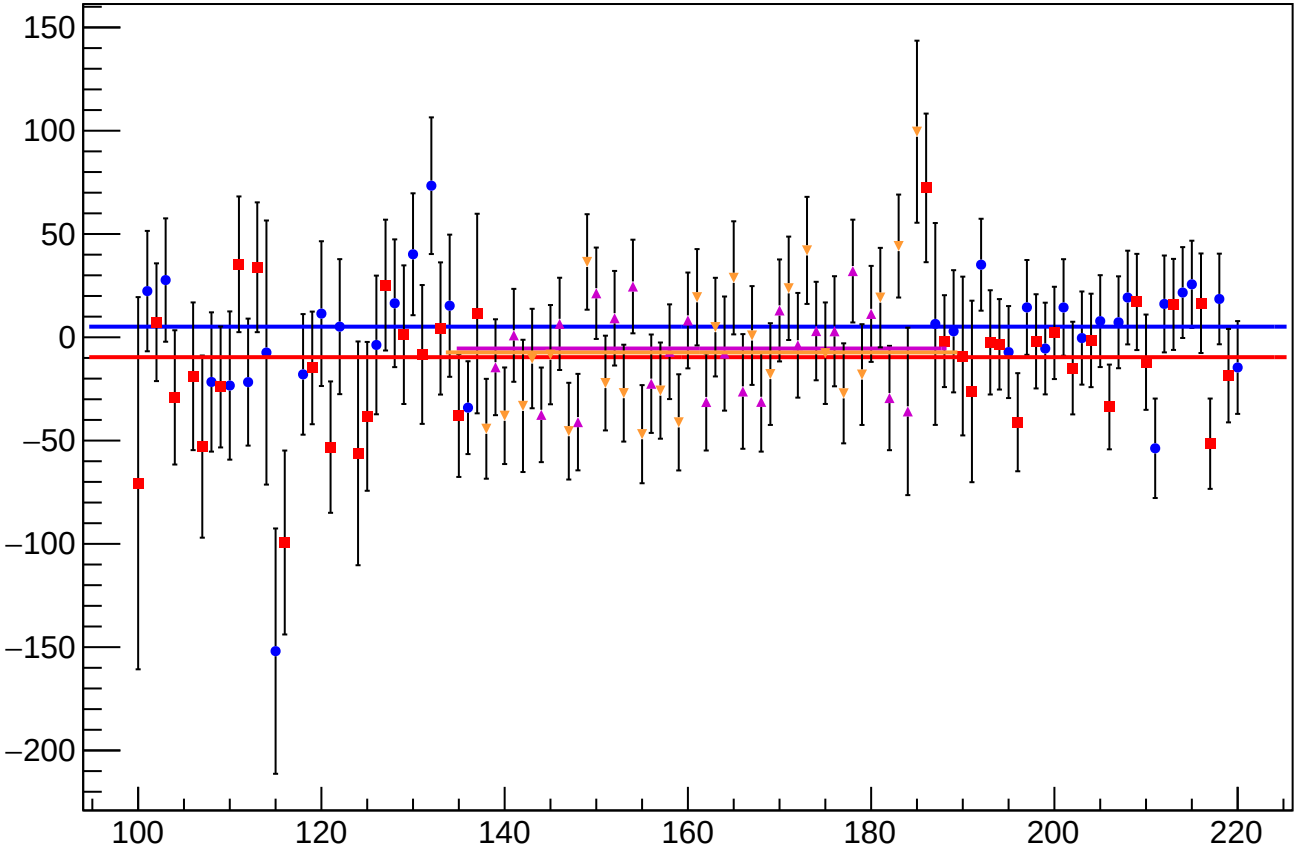
Right: 15.808+/-0.002 χ^2/NDF: 212322.5/69

In: 15.704+/-0.002 χ^2/NDF:251709.3/55

Out: 15.754+/-0.002 χ^2/NDF:284974.4/61

All: 15.729+/-0.001 χ^2/NDF: 537082.2/117

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.145+/-4.637 χ^2/NDF: 31.6/32

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.622+/-4.604 χ^2/NDF: 33.2/36

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

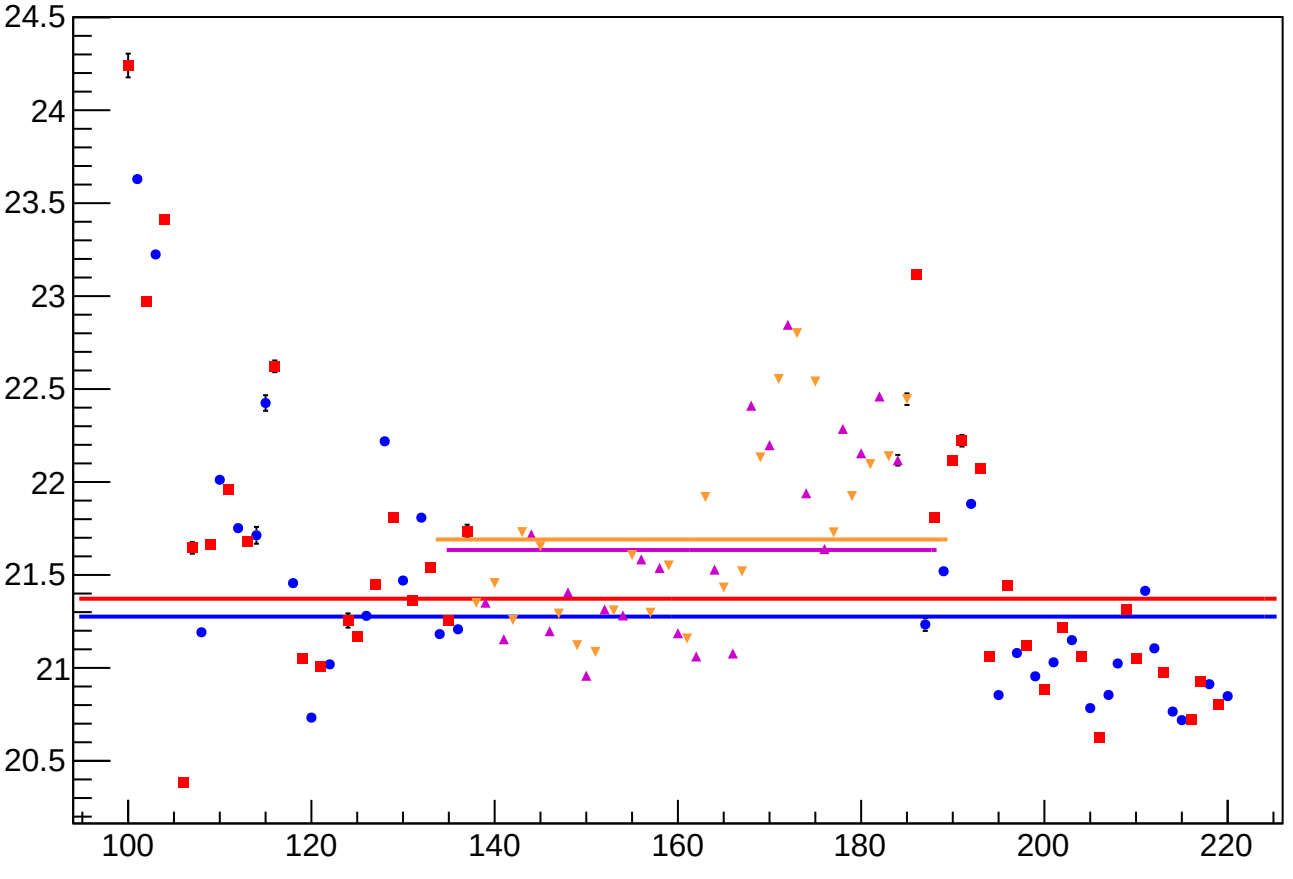
Right: -2.291+/-3.267 χ^2/NDF: 69.9/69

In: 0.310+/-3.417 χ^2/NDF:51.3/55

Out: -8.549+/-3.365 χ^2/NDF:71.9/61

All: -4.187+/-2.397 χ^2/NDF: 126.6/117

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.276+/-0.003 χ^2/NDF: 35970.9/32

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.372+/-0.003 χ^2/NDF: 39405.8/36

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

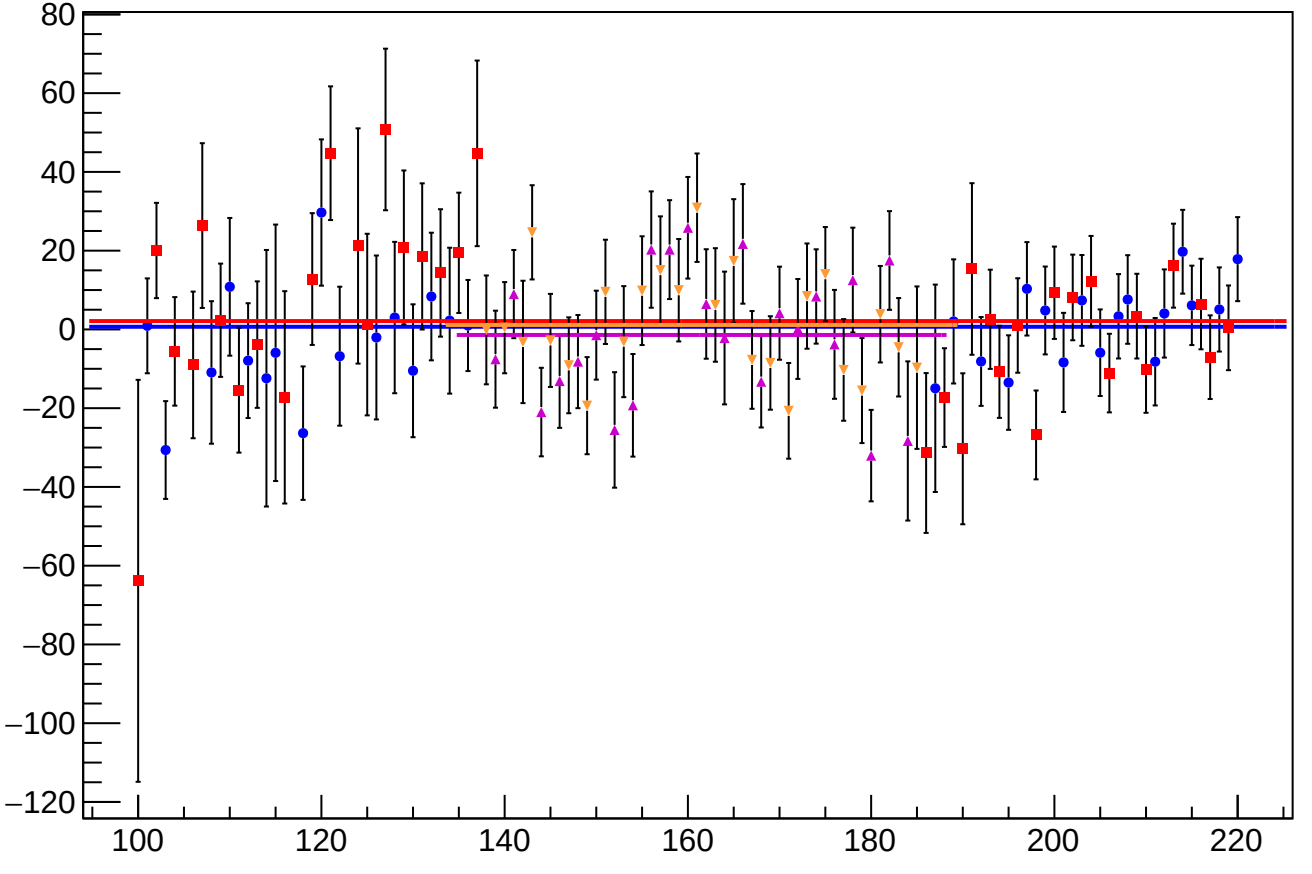
Right: 21.324+/-0.002 χ^2/NDF: 75811.3/69

In: 21.440+/-0.002 χ^2/NDF:62000.0/55

Out: 21.521+/-0.002 χ^2/NDF:61804.2/61

All: 21.481+/-0.002 χ^2/NDF: 124373.0/117

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.674+/-2.325 χ^2/NDF: 25.3/32

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 2.121+/-2.320 χ^2/NDF: 50.6/36

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

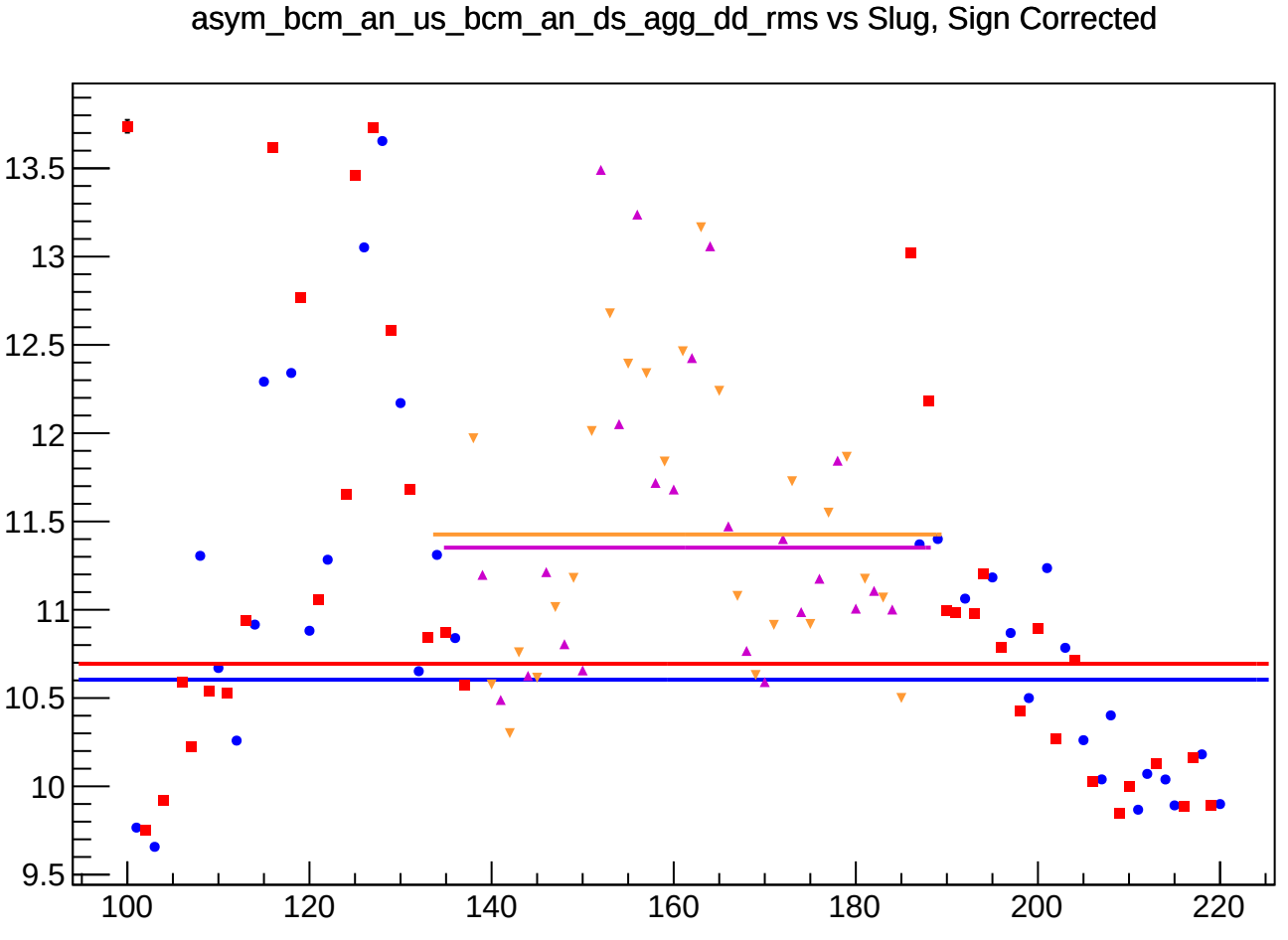
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: 1.399+/-1.642 χ^2/NDF: 76.1/69

In: -0.222+/-1.754 χ^2/NDF:62.0/55

Out: 1.689+/-1.737 χ^2/NDF:75.2/61

All: 0.743+/-1.234 χ^2/NDF: 137.8/117



Right In: 10.604+/-0.002 χ^2/NDF: 224875.1/32

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 10.694+/-0.002 χ^2/NDF: 308500.1/36

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

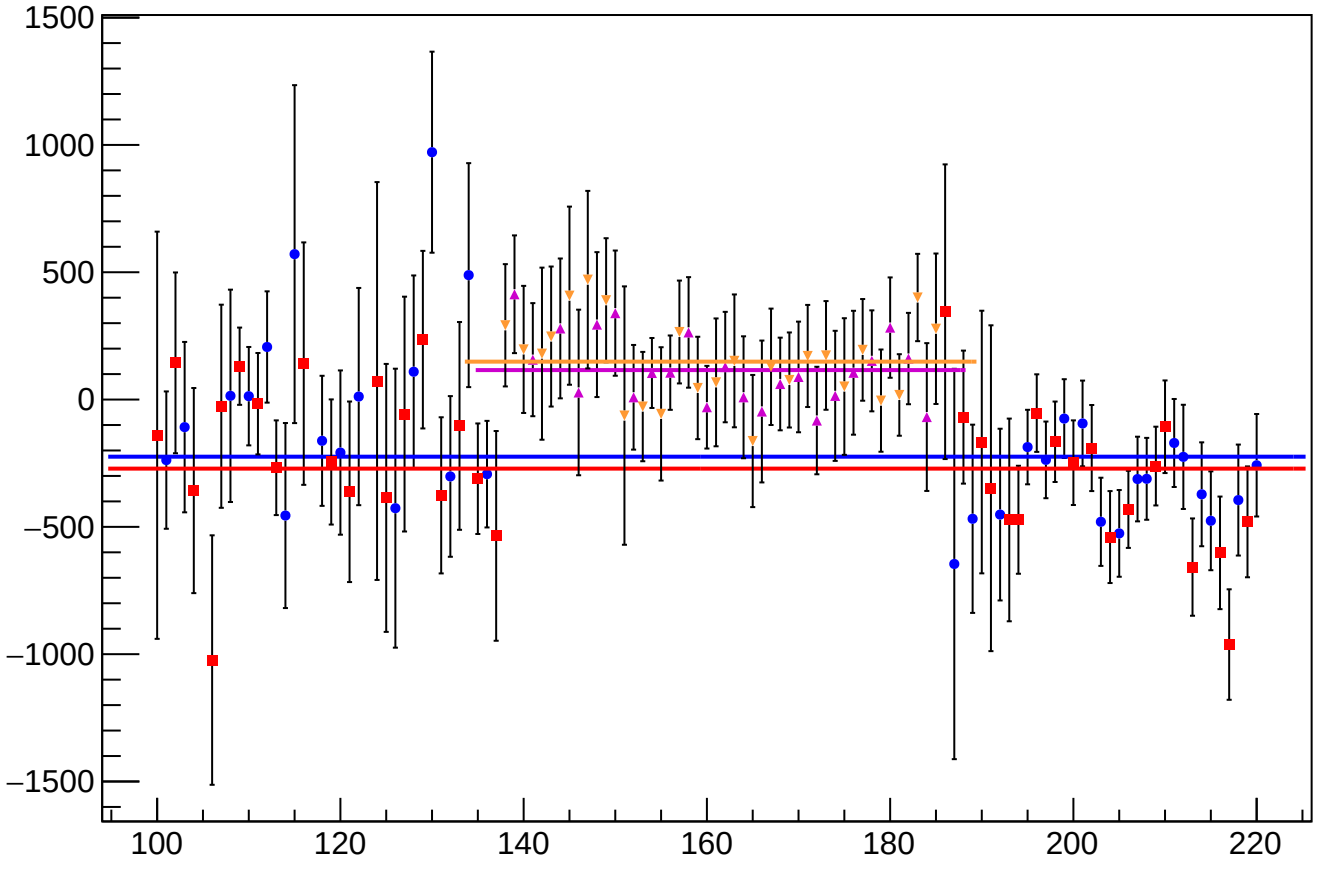
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.649+/-0.001 χ^2/NDF: 534881.2/69

In: 10.926+/-0.001 χ^2/NDF:484500.0/55

Out: 11.016+/-0.001 χ^2/NDF:553046.8/61

All: 10.971+/-0.001 χ^2/NDF: 1040215.1/117



Right In: -224.383+/-39.124 χ^2/NDF: 32.6/32

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -271.248+/-38.988 χ^2/NDF: 44.2/36

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

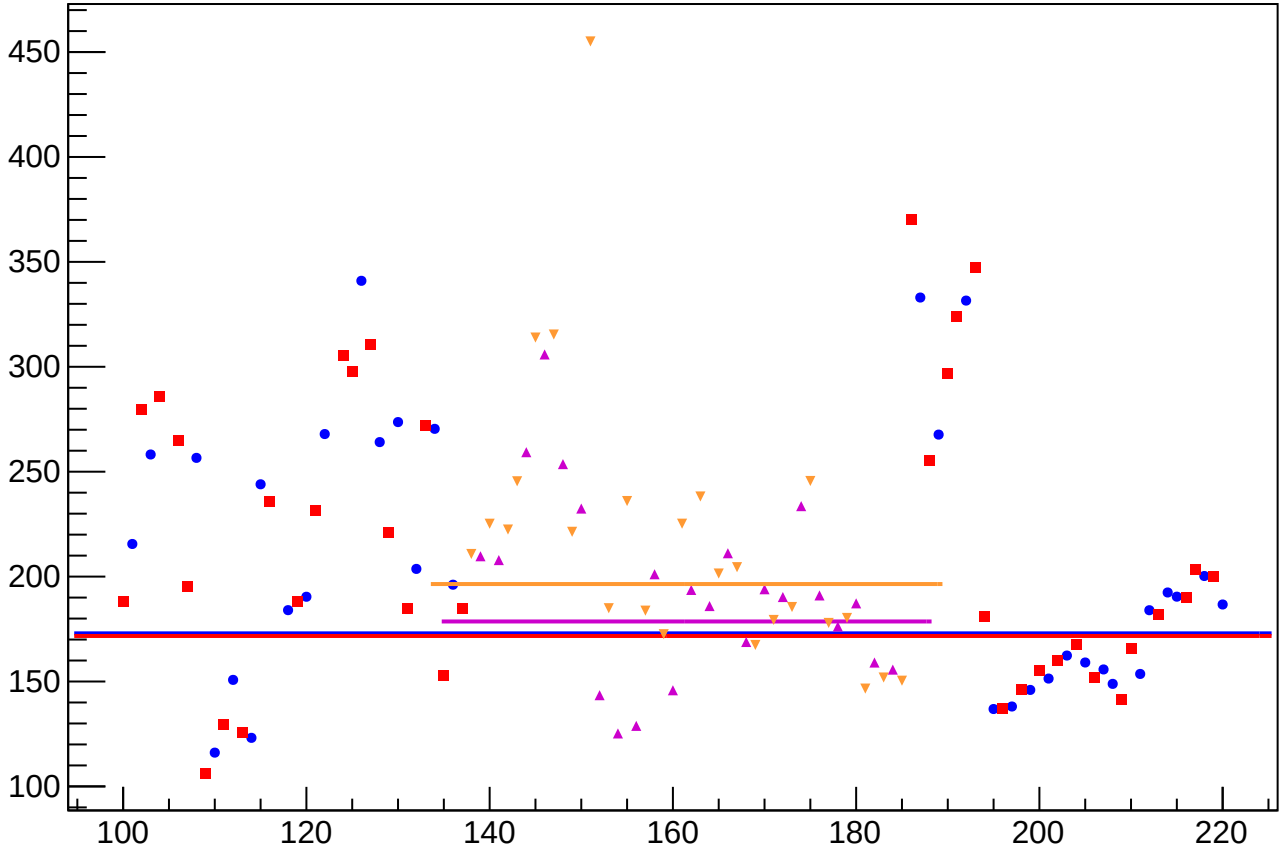
Right: -247.897+/-27.617 χ^2/NDF: 77.5/69

In: -72.842+/-29.131 χ^2/NDF:74.0/55

Out: -96.956+/-29.825 χ^2/NDF:102.9/61

All: -84.616+/-20.840 χ^2/NDF: 177.2/117

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.947+/-0.028 χ^2/NDF: 2375821.4/32

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

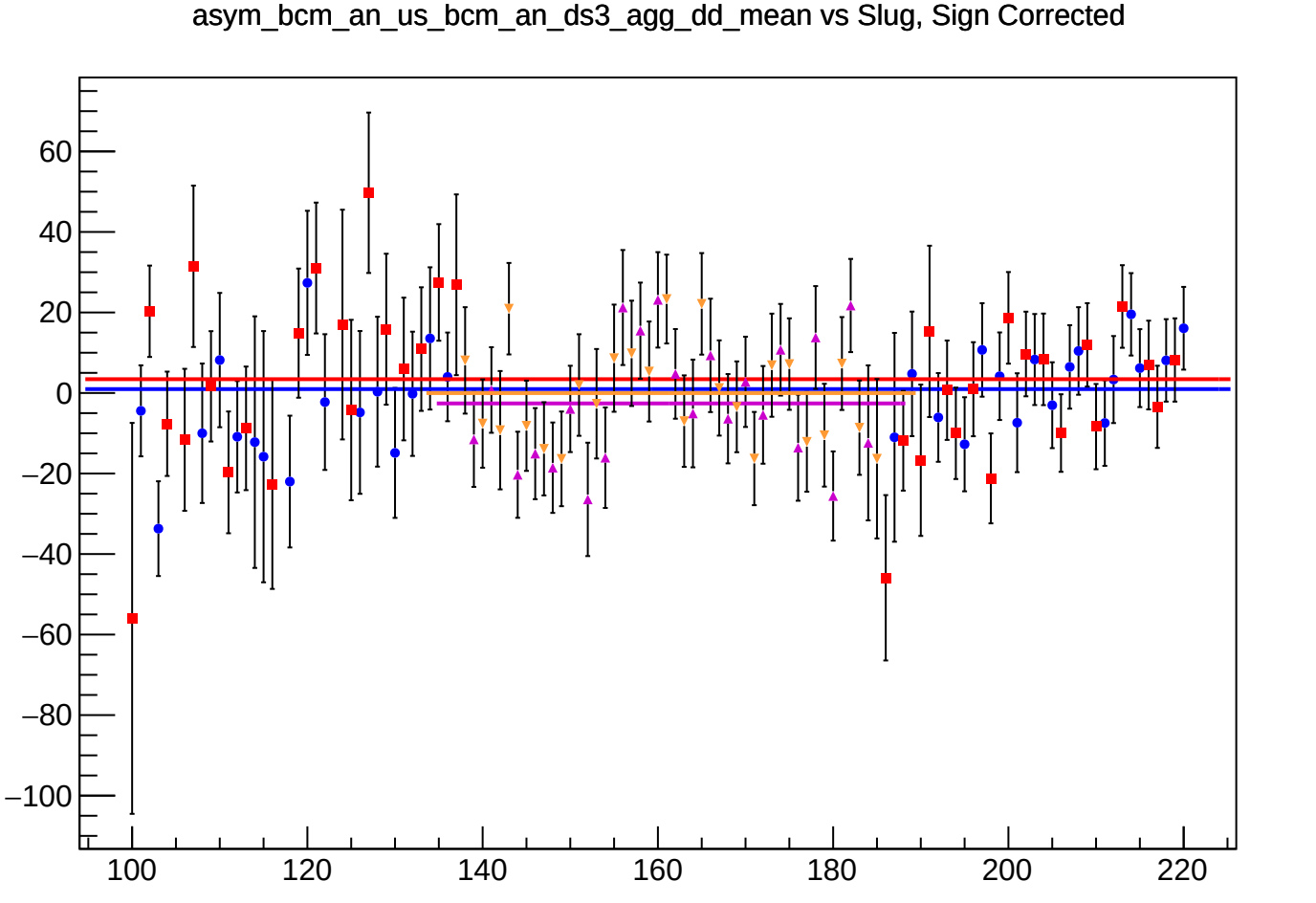
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 172.323+/-0.020 χ^2/NDF: 5484283.1/69

In: 175.472+/-0.021 χ^2/NDF:4073377.3/55

Out: 181.970+/-0.021 χ^2/NDF:5260579.6/61

All: 178.645+/-0.015 χ^2/NDF: 9382542.2/117



Right In: 0.968+/-2.241 χ^2/NDF: 28.3/32

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.428+/-2.238 χ^2/NDF: 50.0/36

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

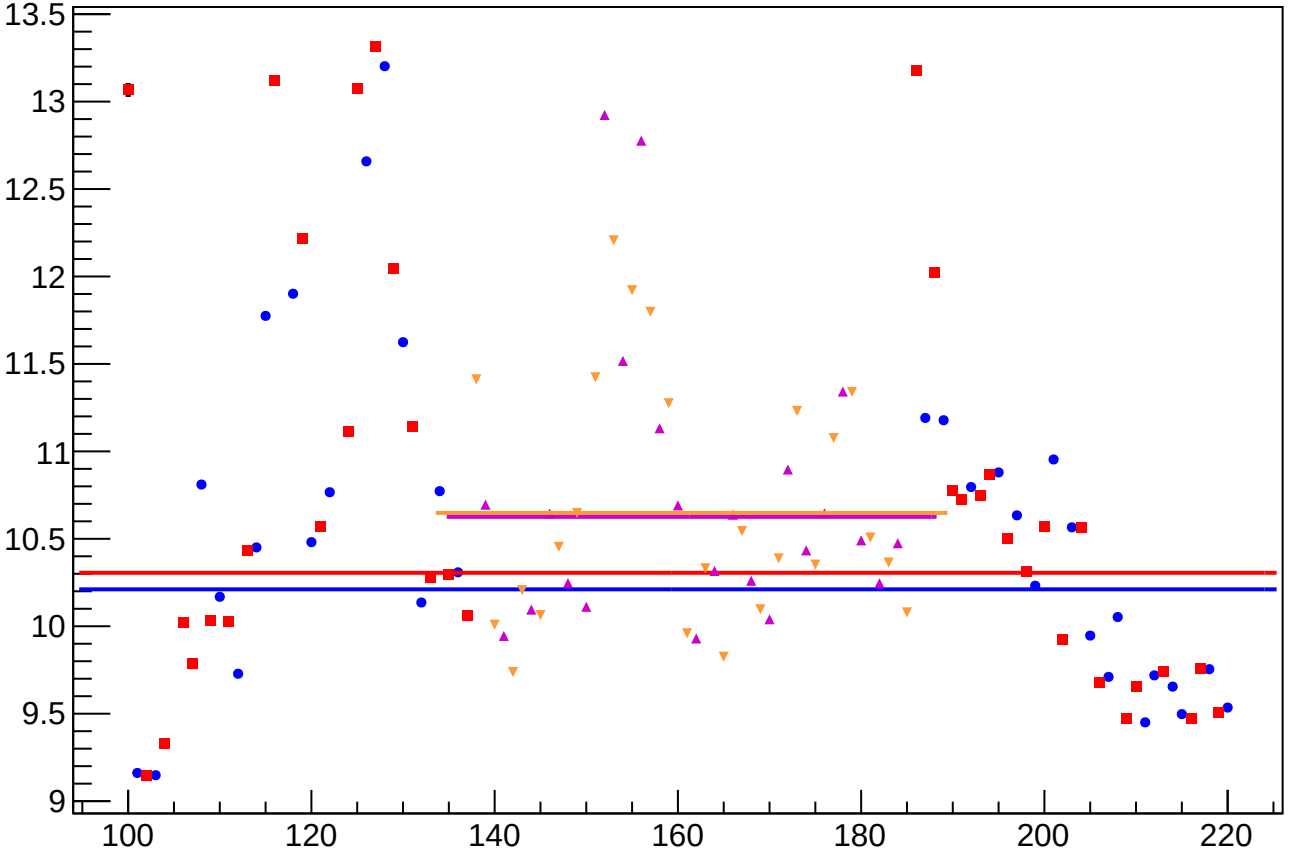
Right: 2.199+/-1.584 χ^2/NDF: 78.9/69

In: -0.613+/-1.670 χ^2/NDF:64.2/55

Out: 1.857+/-1.651 χ^2/NDF:74.8/61

All: 0.636+/-1.174 χ^2/NDF: 140.1/117

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.211+/-0.002 χ^2/NDF: 250948.3/32

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.306+/-0.002 χ^2/NDF: 351007.5/36

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

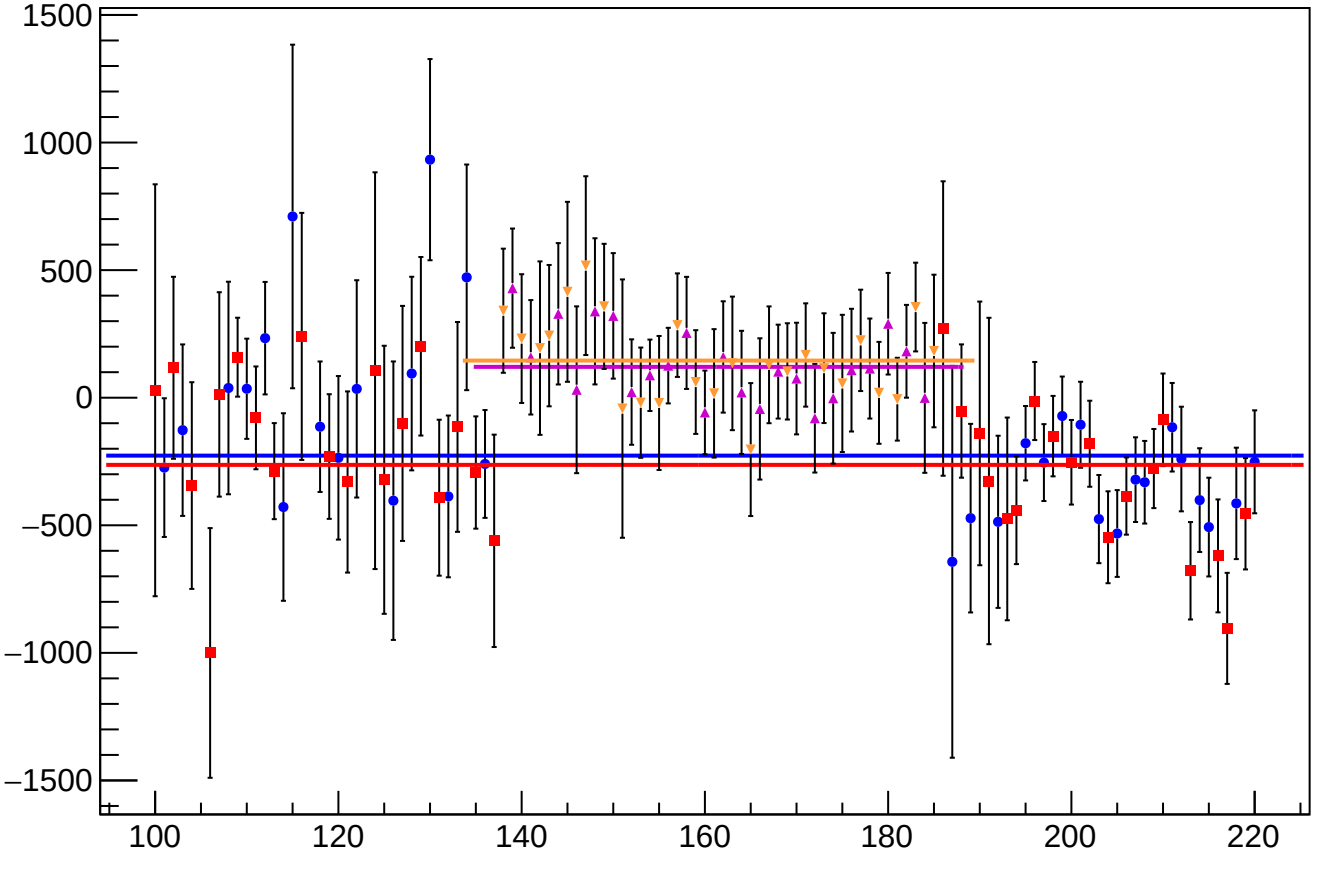
Right: 10.258+/-0.001 χ^2/NDF: 603740.8/69

In: 10.395+/-0.001 χ^2/NDF:440906.9/55

Out: 10.462+/-0.001 χ^2/NDF:515896.7/61

All: 10.429+/-0.001 χ^2/NDF: 958414.6/117

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -226.975+/-39.195 χ^2/NDF: 34.8/32

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -263.210+/-39.095 χ^2/NDF: 43.3/36

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

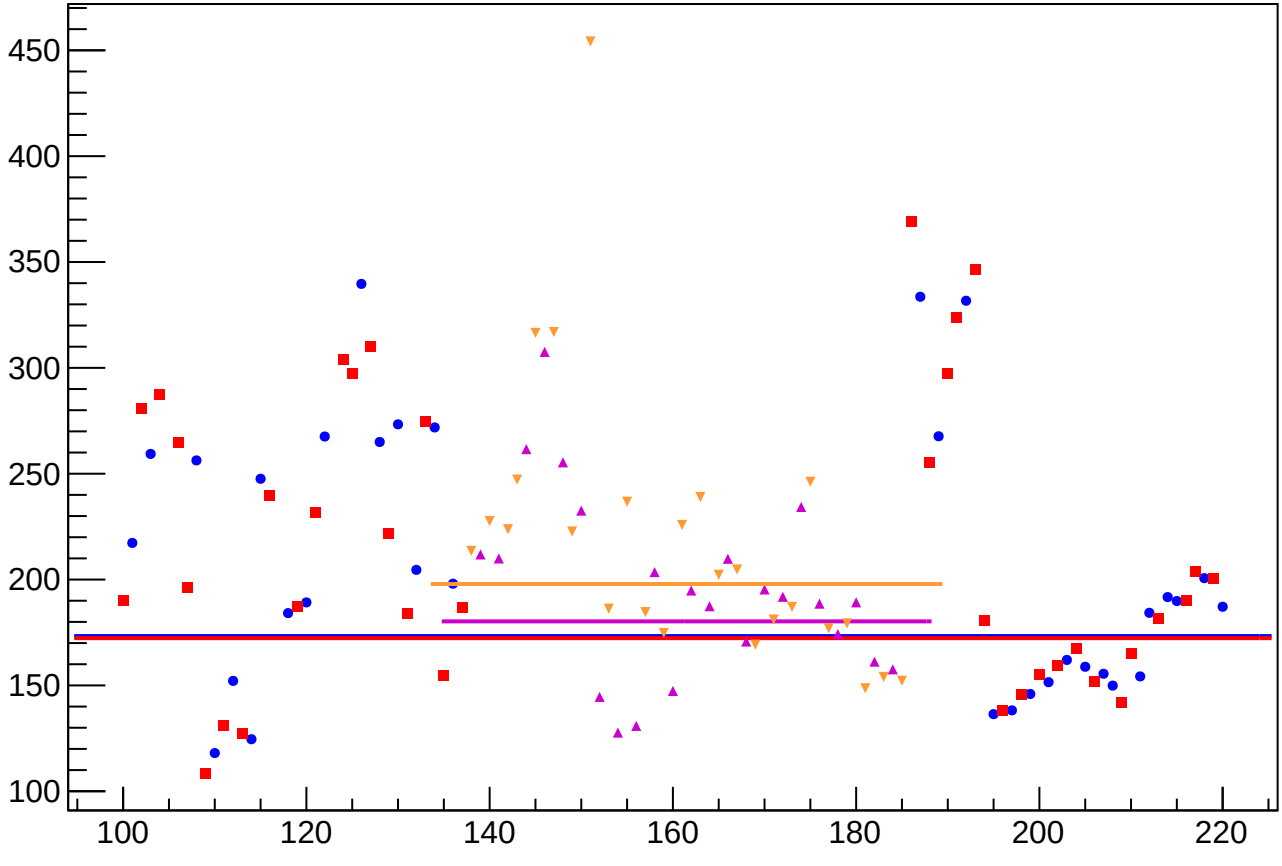
Right: -245.139+/-27.680 χ^2/NDF: 78.5/69

In: -73.045+/-29.265 χ^2/NDF:77.8/55

Out: -94.412+/-29.954 χ^2/NDF:98.7/61

All: -83.480+/-20.933 χ^2/NDF: 176.8/117

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.299+/-0.028 χ^2/NDF: 2364119.0/32

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 172.315+/-0.028 χ^2/NDF: 3053674.4/36

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

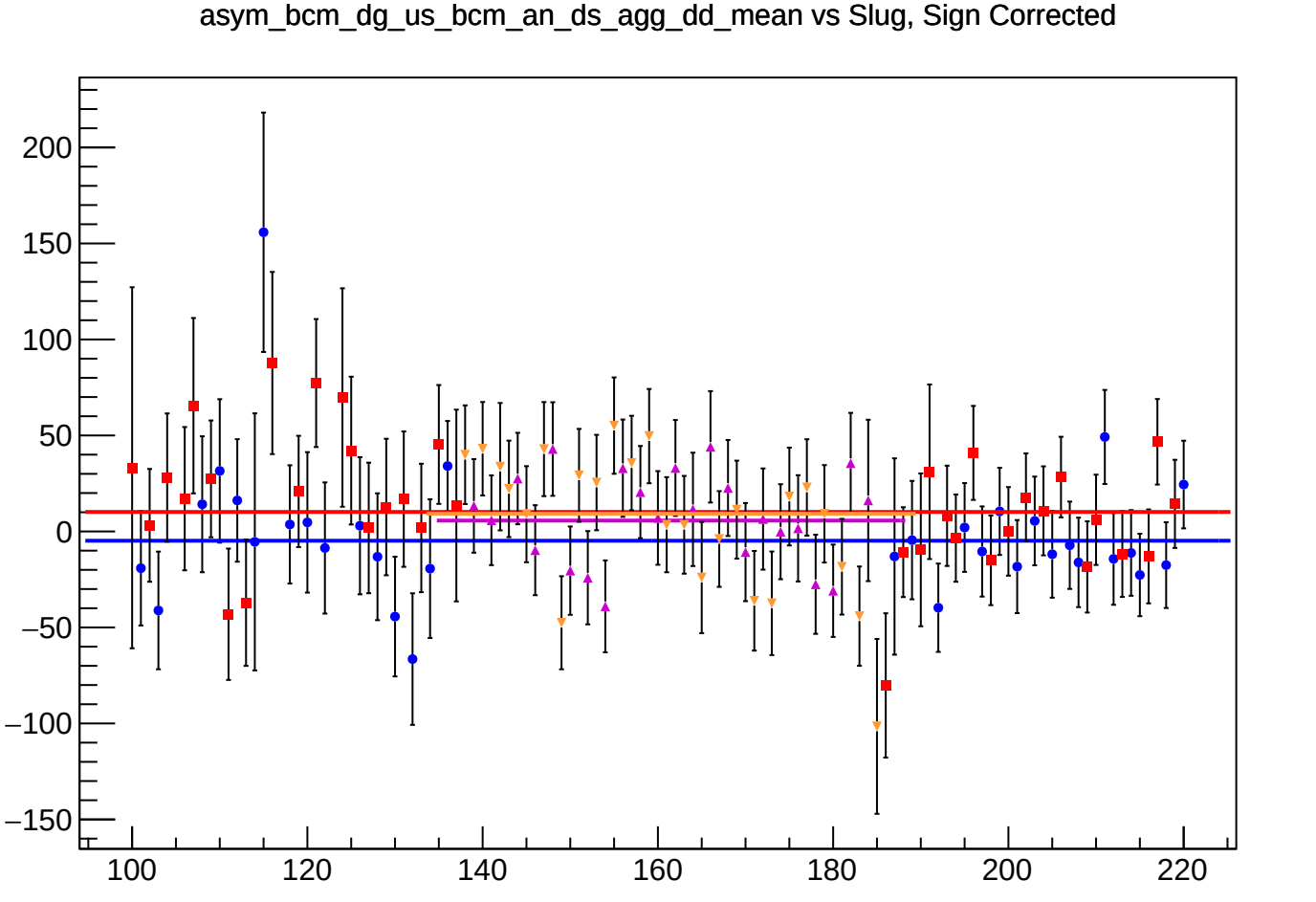
Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

Right: 172.805+/-0.020 χ^2/NDF: 5418425.6/69

In: 176.374+/-0.021 χ^2/NDF:4019714.3/55

Out: 182.876+/-0.021 χ^2/NDF:5195979.5/61

All: 179.549+/-0.015 χ^2/NDF: 9263913.5/117



Right In: -4.838+/-4.780 χ^2/NDF: 29.5/32

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.156+/-4.758 χ^2/NDF: 34.1/36

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

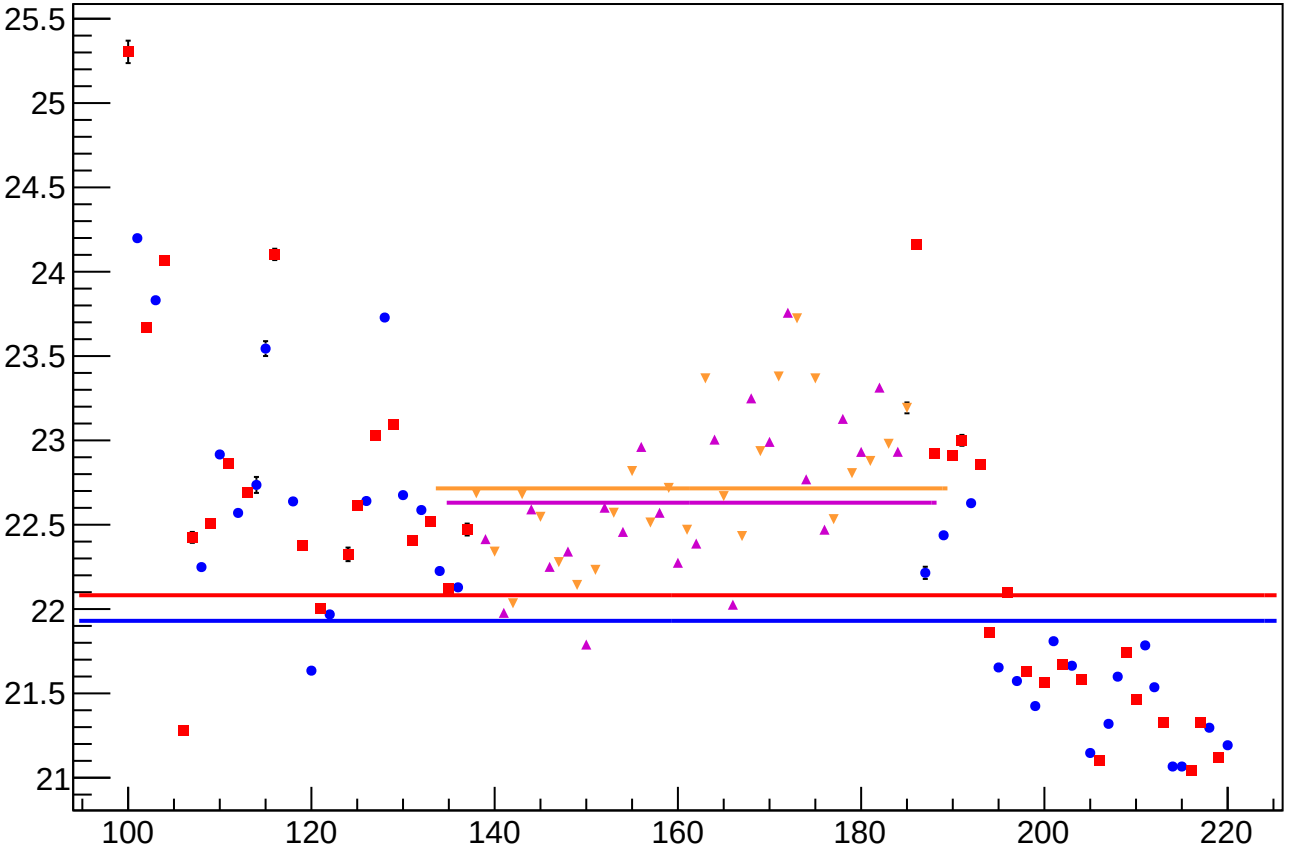
Right: 2.694+/-3.372 χ^2/NDF: 68.5/69

In: -0.112+/-3.546 χ^2/NDF:52.5/55

Out: 9.733+/-3.499 χ^2/NDF:73.5/61

All: 4.876+/-2.490 χ^2/NDF: 129.9/117

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.930+/-0.003 χ^2/NDF: 52602.5/32

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.082+/-0.003 χ^2/NDF: 60030.4/36

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

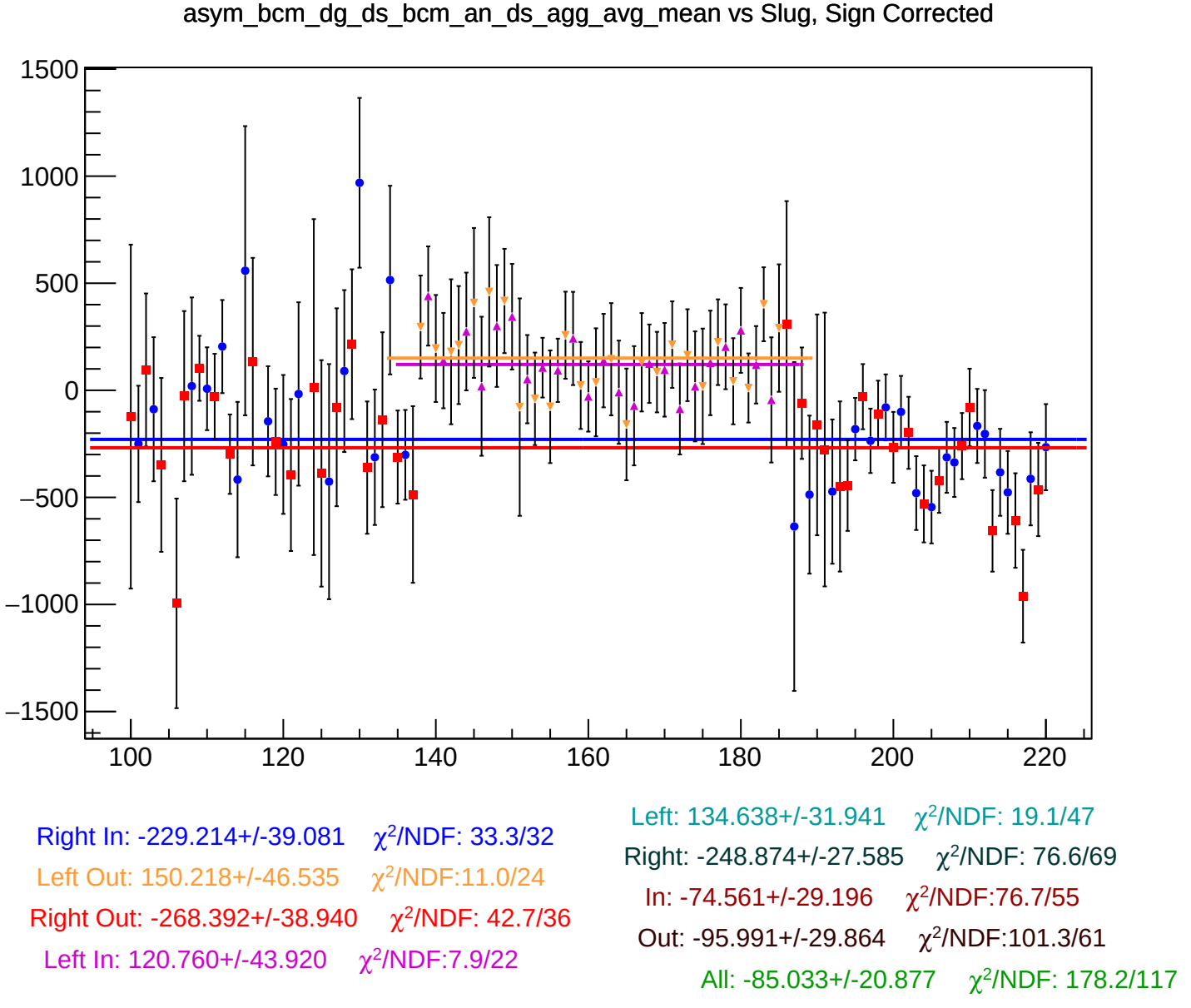
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.006+/-0.002 χ^2/NDF: 113644.6/69

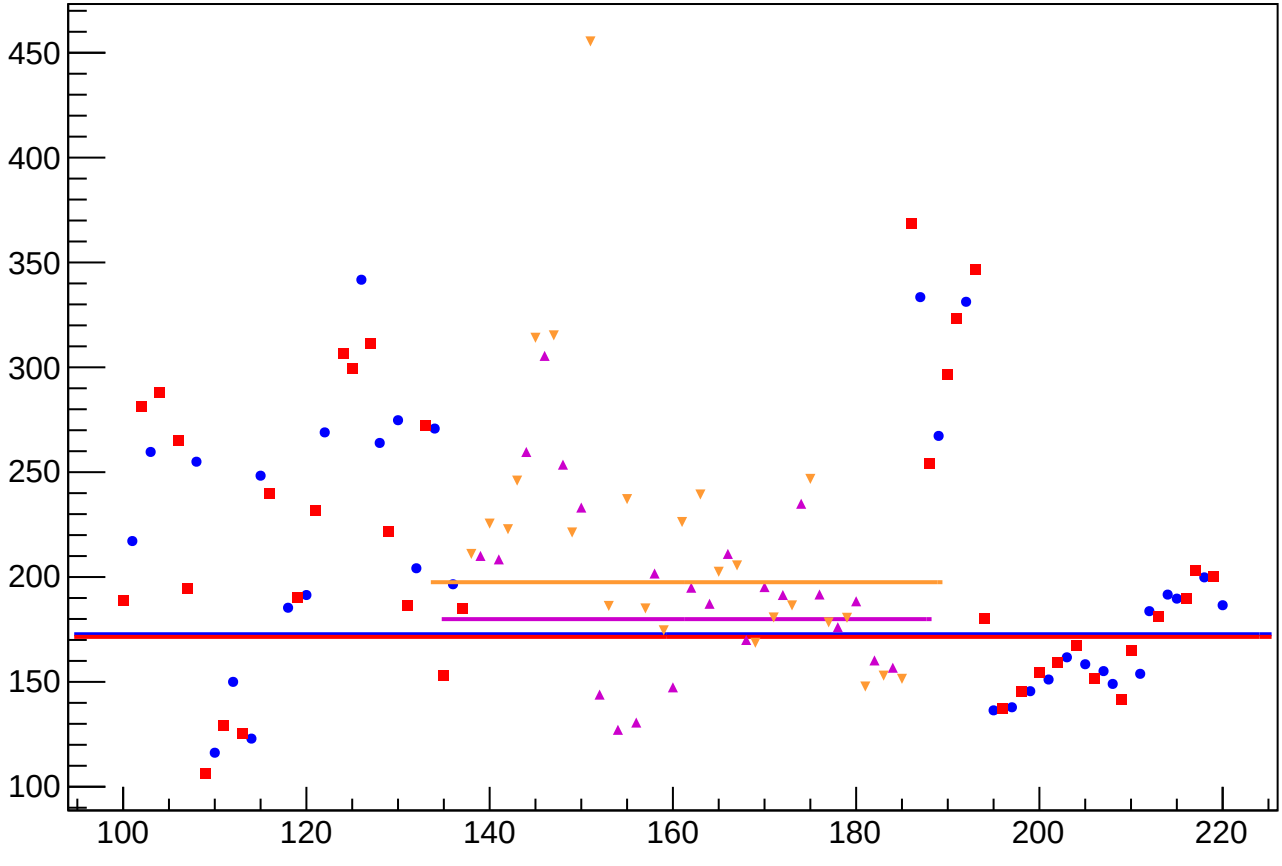
In: 22.245+/-0.003 χ^2/NDF:87306.5/55

Out: 22.373+/-0.002 χ^2/NDF:88500.2/61

All: 22.310+/-0.002 χ^2/NDF: 177119.9/117


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -229.214+/-39.081 χ²/NDF: 33.3/32
Left Out: 150.218+/-46.535 χ²/NDF:11.0/24
Right Out: -268.392+/-38.940 χ²/NDF: 42.7/36
Left In: 120.760+/-43.920 χ²/NDF:7.9/22
Left: 134.638+/-31.941 χ²/NDF: 19.1/47
Right: -248.874+/-27.585 χ²/NDF: 76.6/69
In: -74.561+/-29.196 χ²/NDF:76.7/55
Out: -95.991+/-29.864 χ²/NDF:101.3/61
All: -85.033+/-20.877 χ²/NDF: 178.2/117

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.719+/-0.028 χ^2/NDF: 2396462.9/32

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 171.463+/-0.028 χ^2/NDF: 3127564.2/36

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

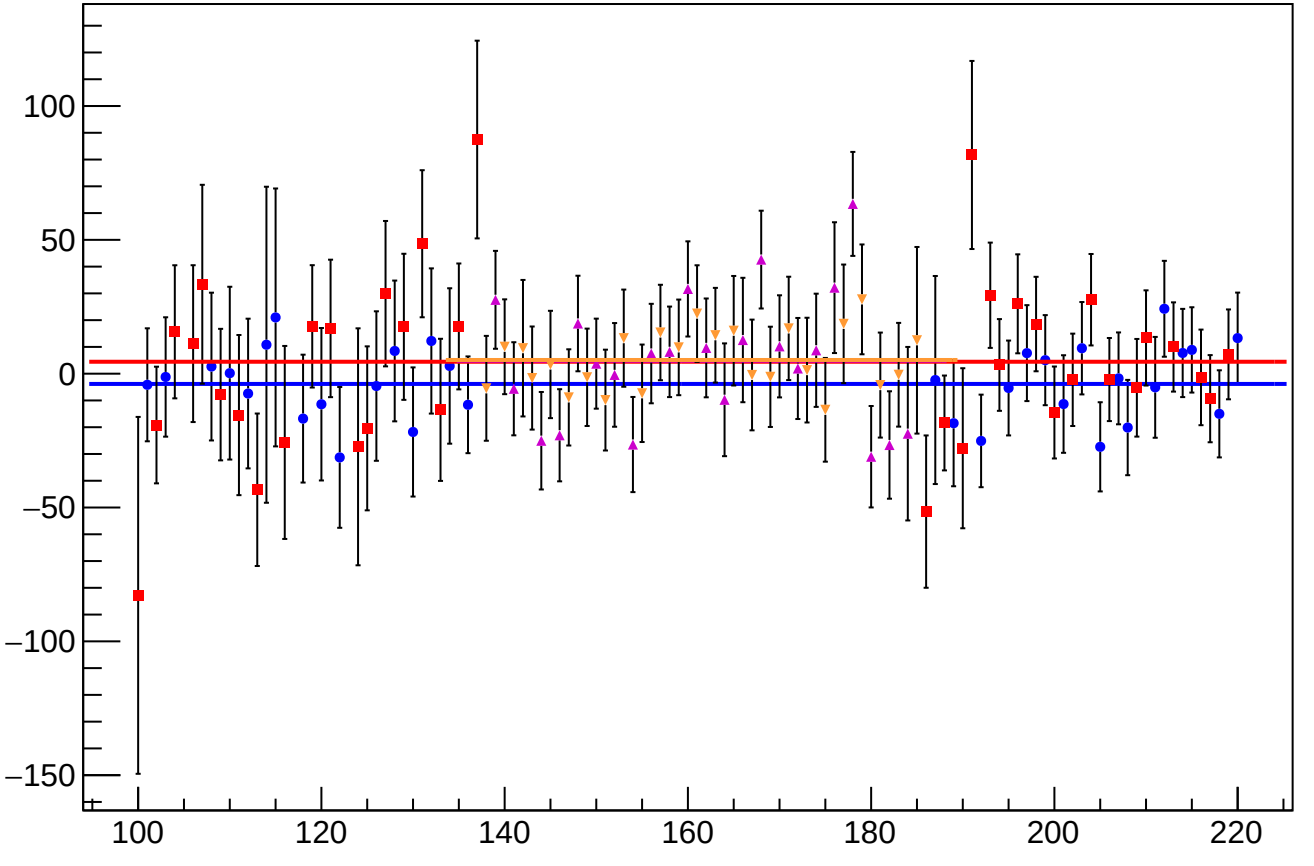
Right: 172.089+/-0.020 χ^2/NDF: 5525064.5/69

In: 175.903+/-0.021 χ^2/NDF:4050637.5/55

Out: 182.200+/-0.021 χ^2/NDF:5286673.1/61

All: 178.980+/-0.015 χ^2/NDF: 9382781.2/117

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.831+/-3.628 χ^2/NDF: 14.5/32

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 4.459+/-3.613 χ^2/NDF: 39.3/36

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

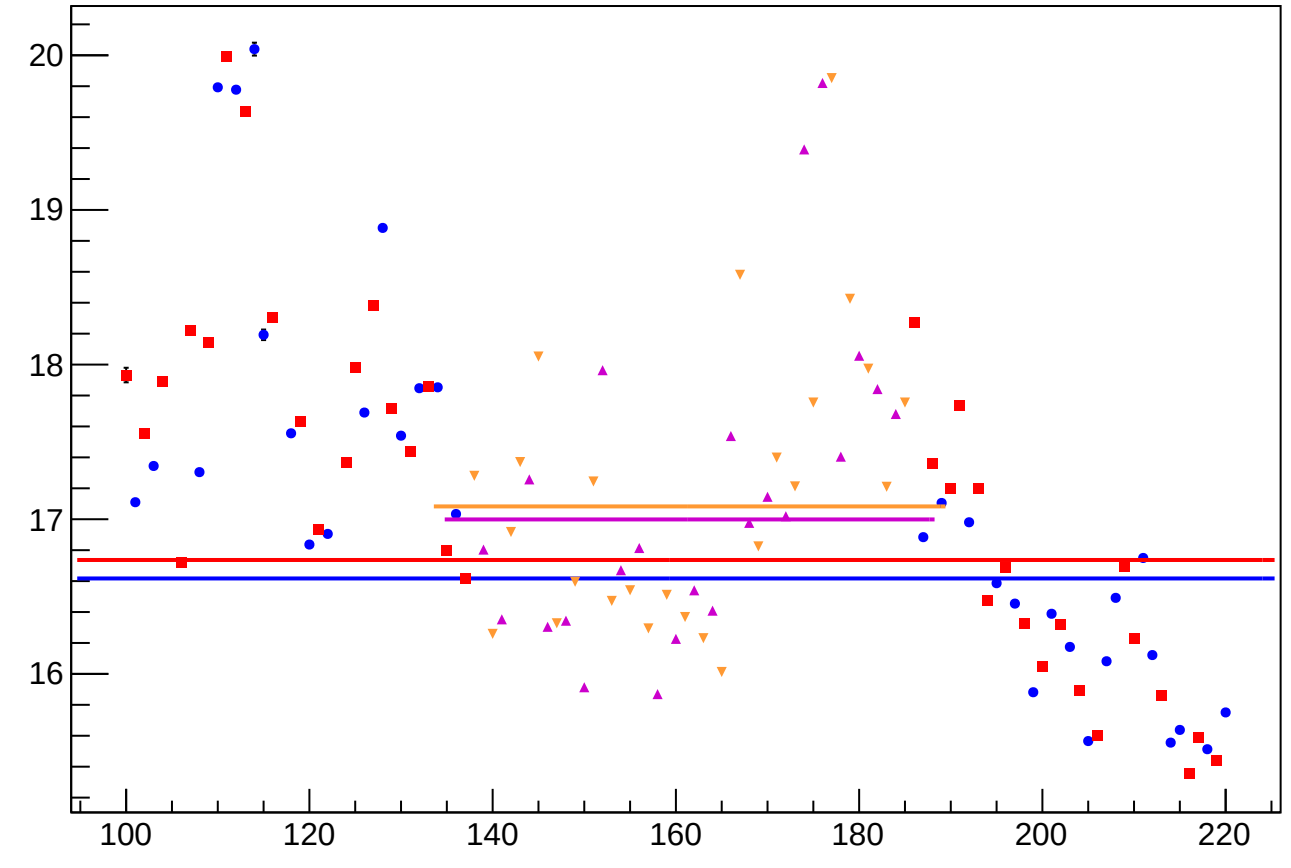
Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

Right: 0.332+/-2.560 χ^2/NDF: 56.4/69

In: 0.112+/-2.681 χ^2/NDF:52.7/55

Out: 4.764+/-2.647 χ^2/NDF:47.2/61

All: 2.468+/-1.884 χ^2/NDF: 101.4/117



Right In: 16.617+/-0.003 χ^2/NDF: 140577.7/32

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 16.737+/-0.003 χ^2/NDF: 161395.5/36

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

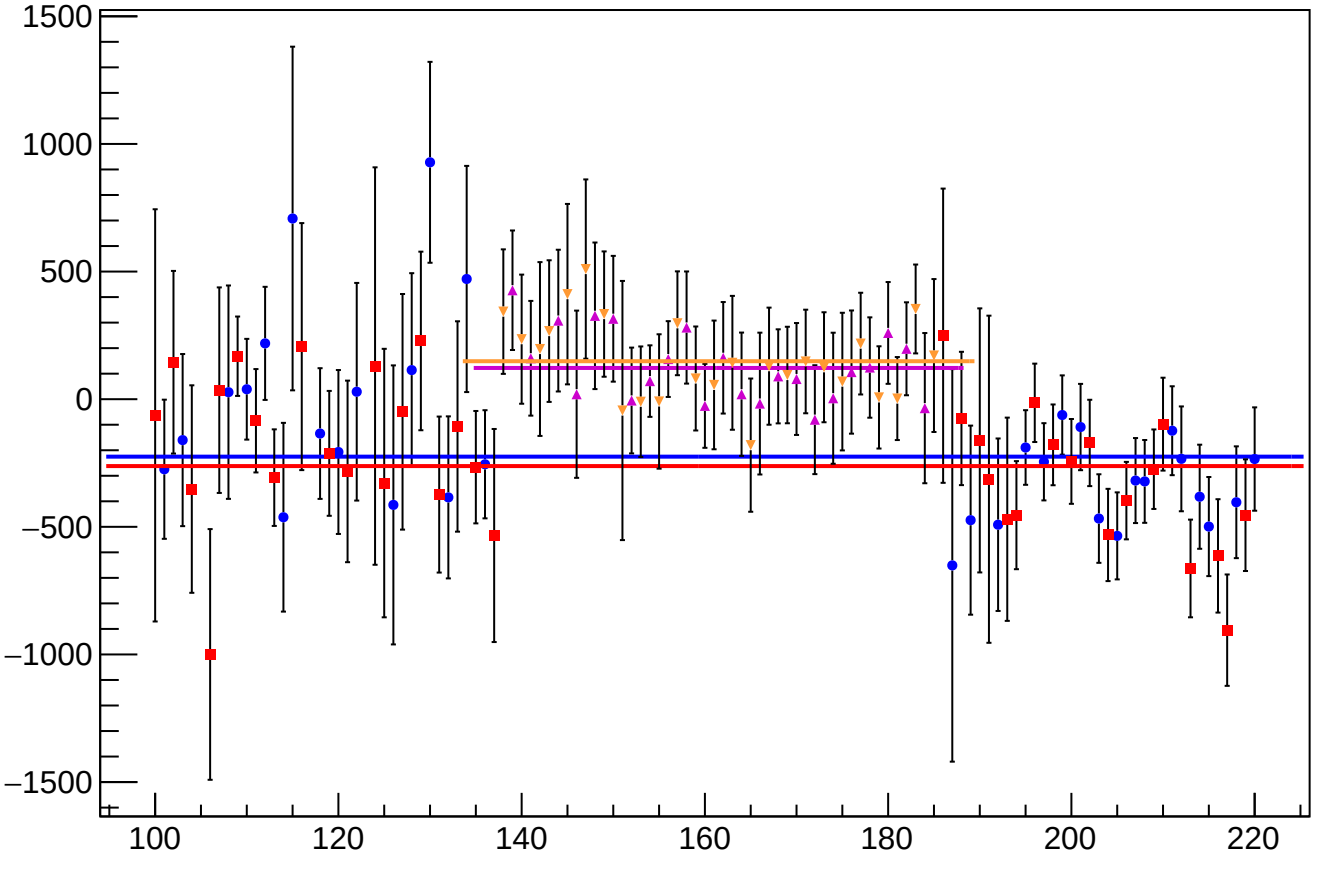
Right: 16.677+/-0.002 χ^2/NDF: 303061.8/69

In: 16.790+/-0.002 χ^2/NDF:254642.6/55

Out: 16.897+/-0.002 χ^2/NDF:266685.1/61

All: 16.844+/-0.001 χ^2/NDF: 522929.8/117

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -225.067+/-39.314 χ^2/NDF: 33.9/32

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -262.026+/-39.212 χ^2/NDF: 42.6/36

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

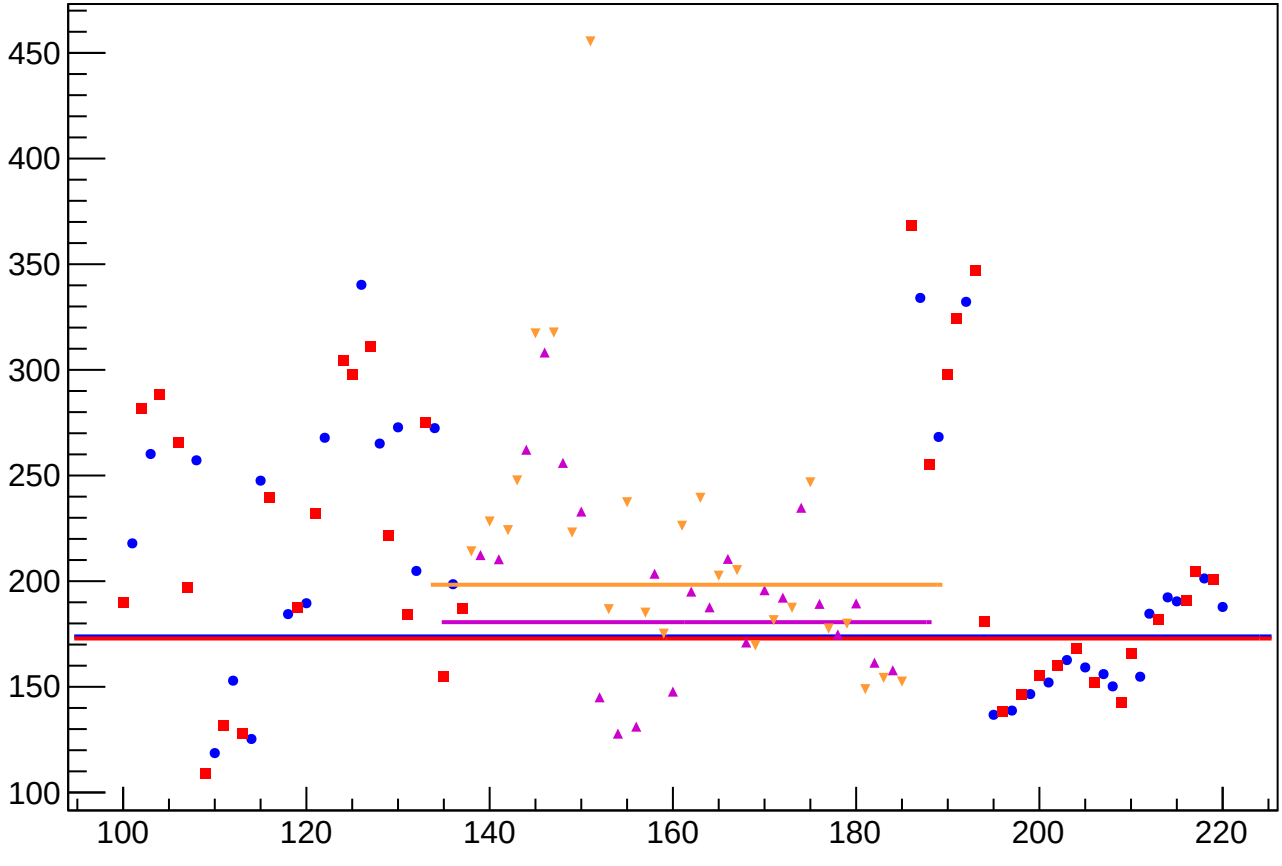
Right: -243.595+/-27.763 χ^2/NDF: 77.0/69

In: -71.142+/-29.340 χ^2/NDF:76.3/55

Out: -92.229+/-30.033 χ^2/NDF:97.5/61

All: -81.439+/-20.988 χ^2/NDF: 174.1/117

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.852+/-0.028 χ^2/NDF: 2351339.7/32

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 172.866+/-0.028 χ^2/NDF: 3035159.2/36

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

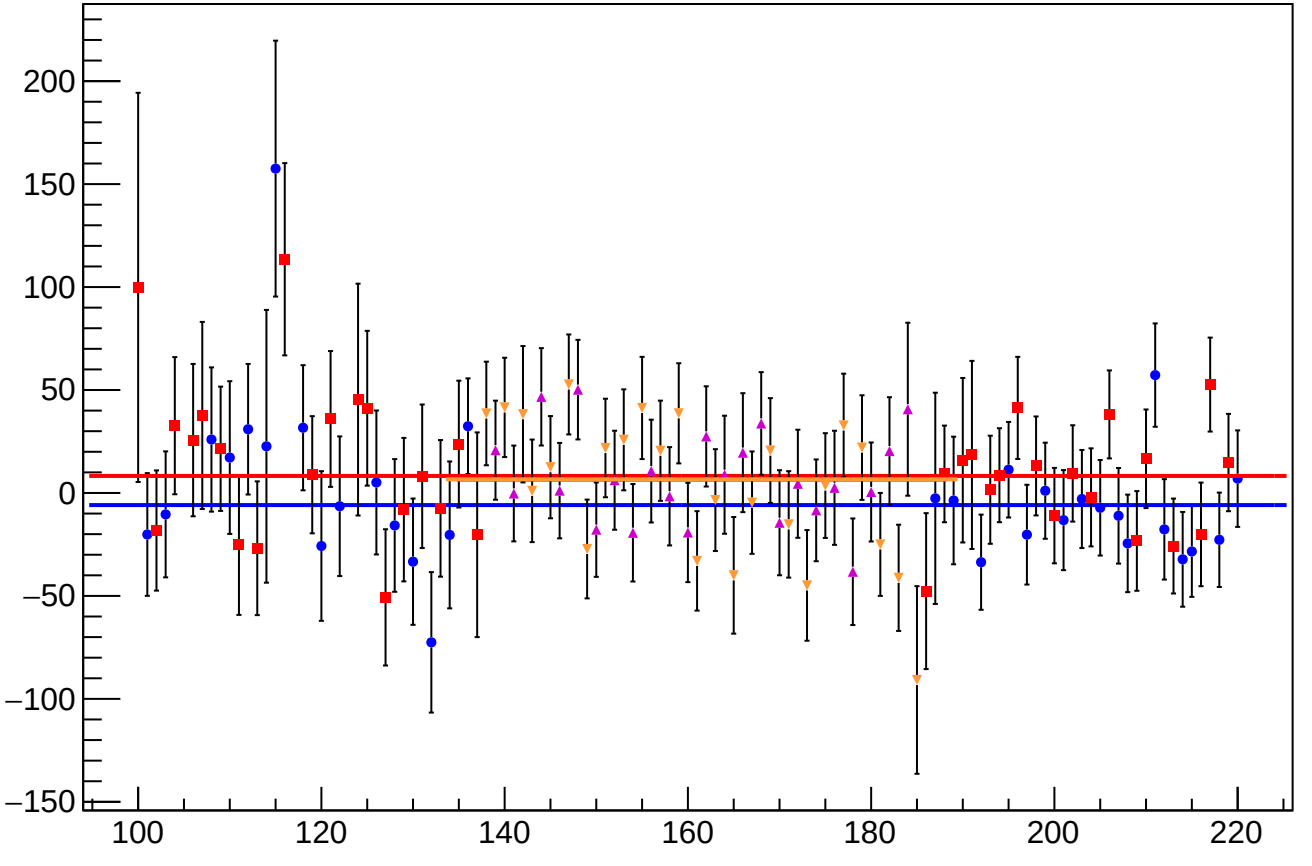
Right: 173.358+/-0.020 χ^2/NDF: 5387128.6/69

In: 176.842+/-0.021 χ^2/NDF:4005529.1/55

Out: 183.385+/-0.021 χ^2/NDF:5173600.2/61

All: 180.037+/-0.015 χ^2/NDF: 9227697.4/117

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.881+/-4.831 χ^2/NDF: 32.4/32

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 8.272+/-4.795 χ^2/NDF: 32.6/36

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

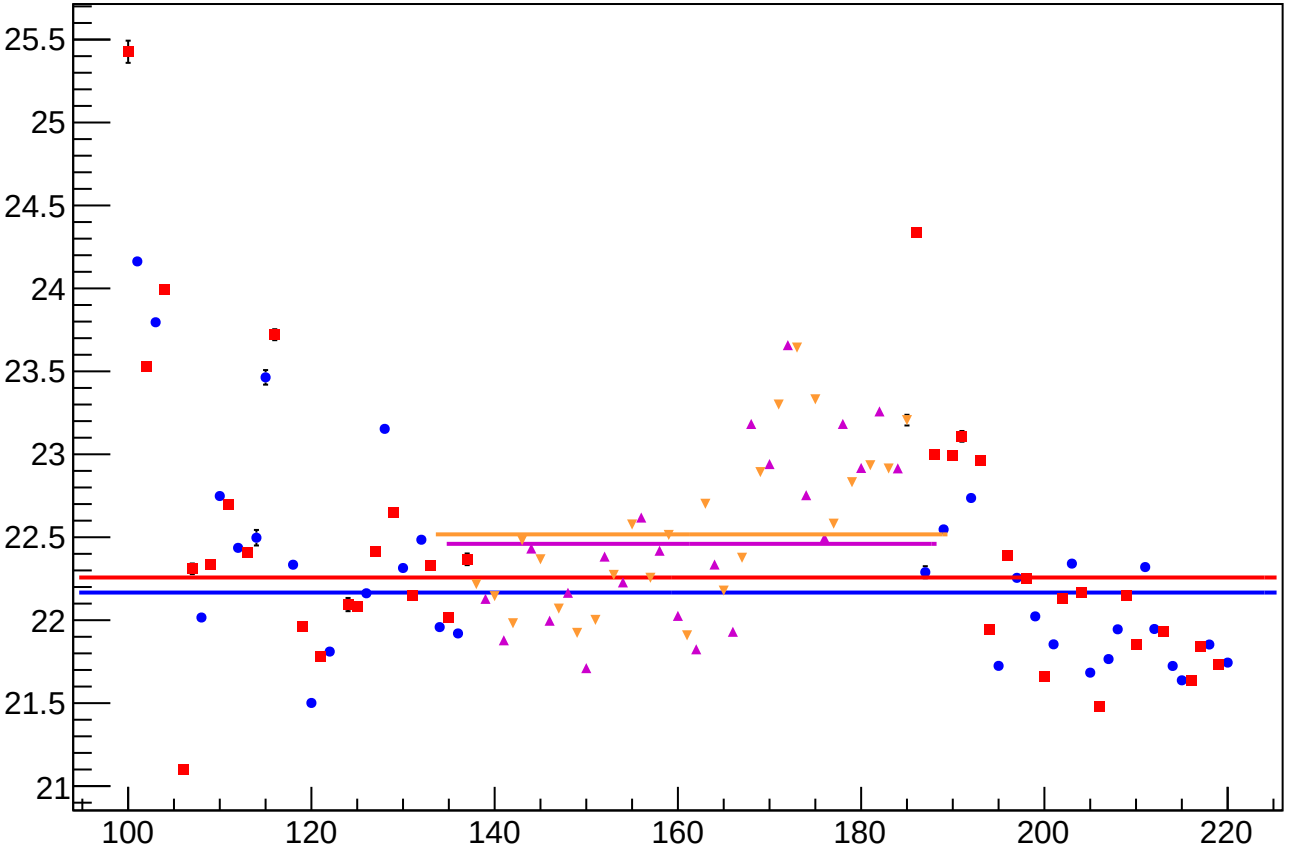
Right: 1.248+/-3.403 χ^2/NDF: 69.3/69

In: -0.209+/-3.554 χ^2/NDF:52.9/55

Out: 7.496+/-3.499 χ^2/NDF:69.5/61

All: 3.703+/-2.493 χ^2/NDF: 124.8/117

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.167+/-0.003 χ^2/NDF: 27168.4/32

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.257+/-0.003 χ^2/NDF: 36187.9/36

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

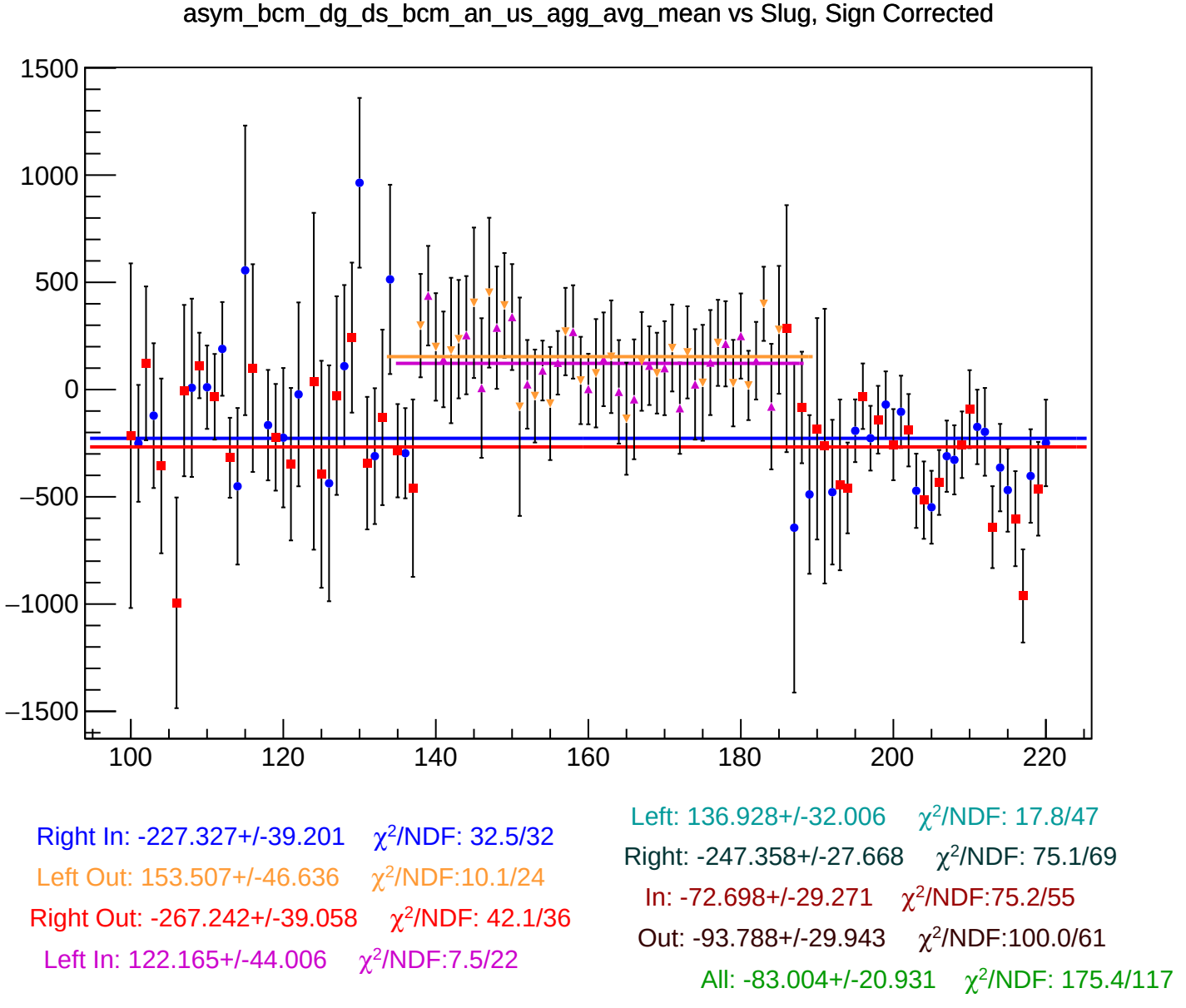
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

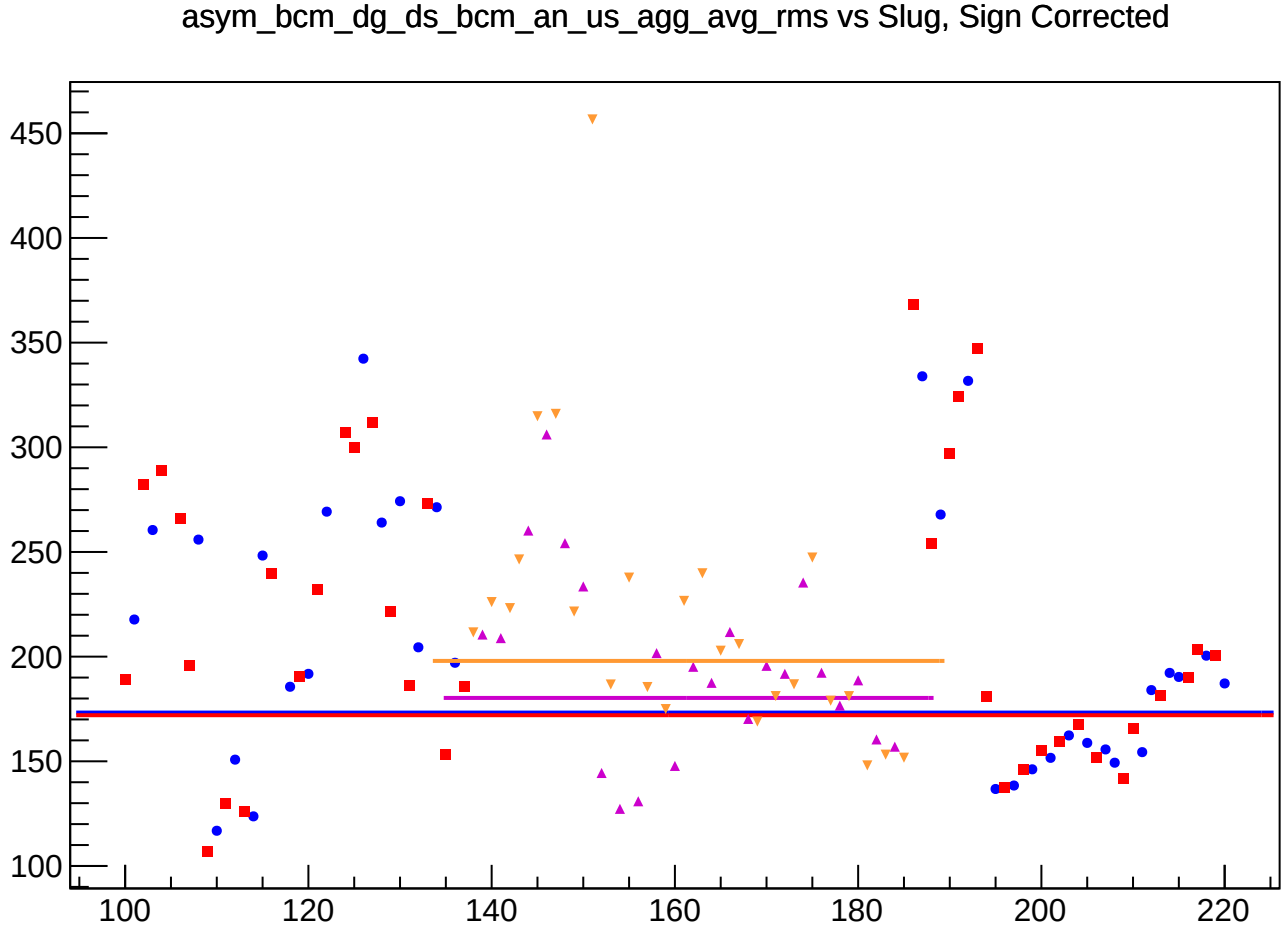
Right: 22.212+/-0.002 χ^2/NDF: 63711.9/69

In: 22.301+/-0.003 χ^2/NDF:49675.1/55

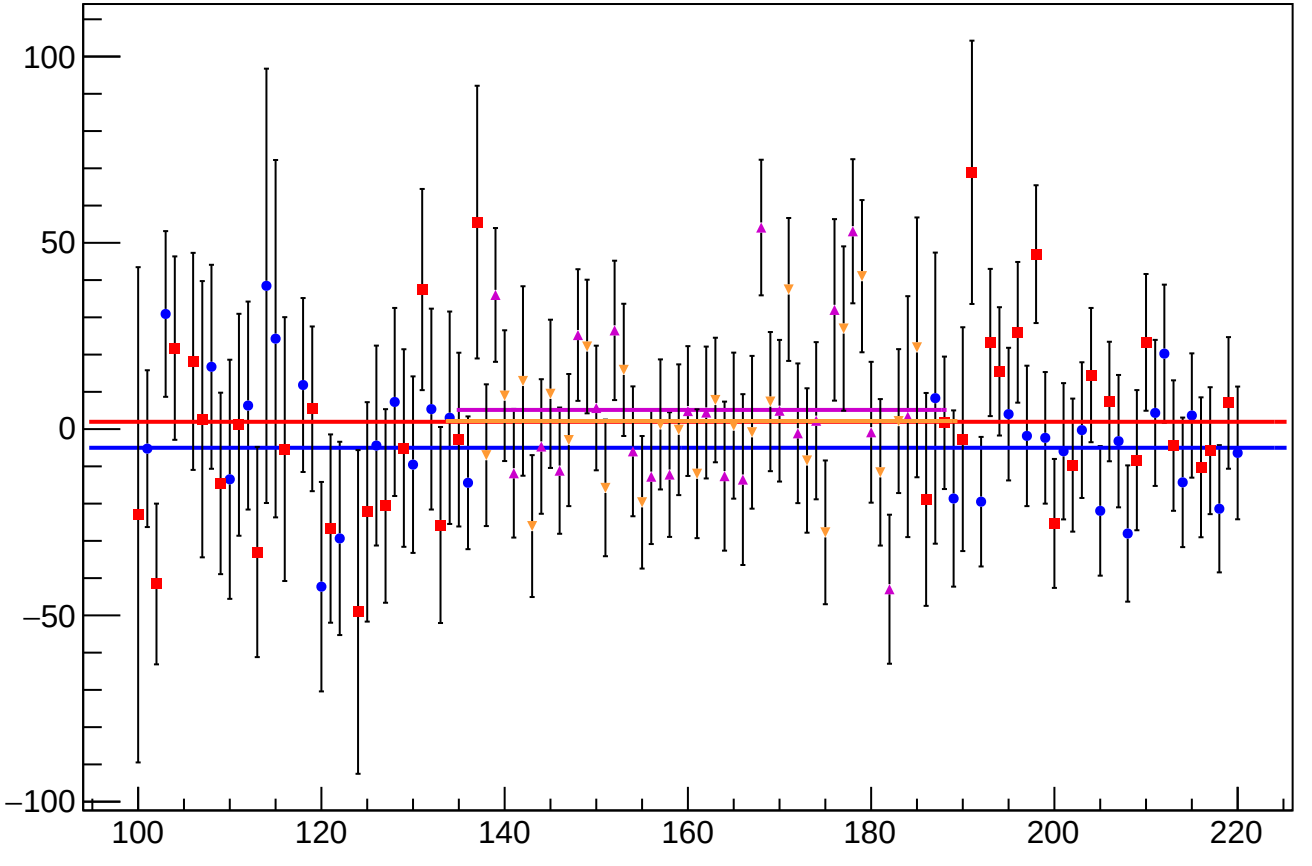
Out: 22.379+/-0.002 χ^2/NDF:54940.1/61

All: 22.341+/-0.002 χ^2/NDF: 105099.7/117


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -227.327+/-39.201 χ²/NDF: 32.5/32
Left Out: 153.507+/-46.636 χ²/NDF:10.1/24
Right Out: -267.242+/-39.058 χ²/NDF: 42.1/36
Left In: 122.165+/-44.006 χ²/NDF:7.5/22
Left: 136.928+/-32.006 χ²/NDF: 17.8/47
Right: -247.358+/-27.668 χ²/NDF: 75.1/69
In: -72.698+/-29.271 χ²/NDF:75.2/55
Out: -93.788+/-29.943 χ²/NDF:100.0/61
All: -83.004+/-20.931 χ²/NDF: 175.4/117


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
120
140
160
180
200
220
Right In: 173.276+/-0.028 χ²/NDF: 2383172.5/32
Left Out: 197.957+/-0.033 χ²/NDF:1791354.6/24
Right Out: 172.020+/-0.028 χ²/NDF: 3108125.6/36
Left In: 180.274+/-0.031 χ²/NDF:1624682.7/22
Left: 188.603+/-0.023 χ²/NDF: 3568141.6/47
Right: 172.646+/-0.020 χ²/NDF: 5492328.5/69
In: 176.373+/-0.021 χ²/NDF:4036054.2/55
Out: 182.713+/-0.021 χ²/NDF:5263074.2/61
All: 179.471+/-0.015 χ²/NDF: 9344981.0/117

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.013+/-3.699 χ^2/NDF: 16.0/32

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 1.961+/-3.668 χ^2/NDF: 35.9/36

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

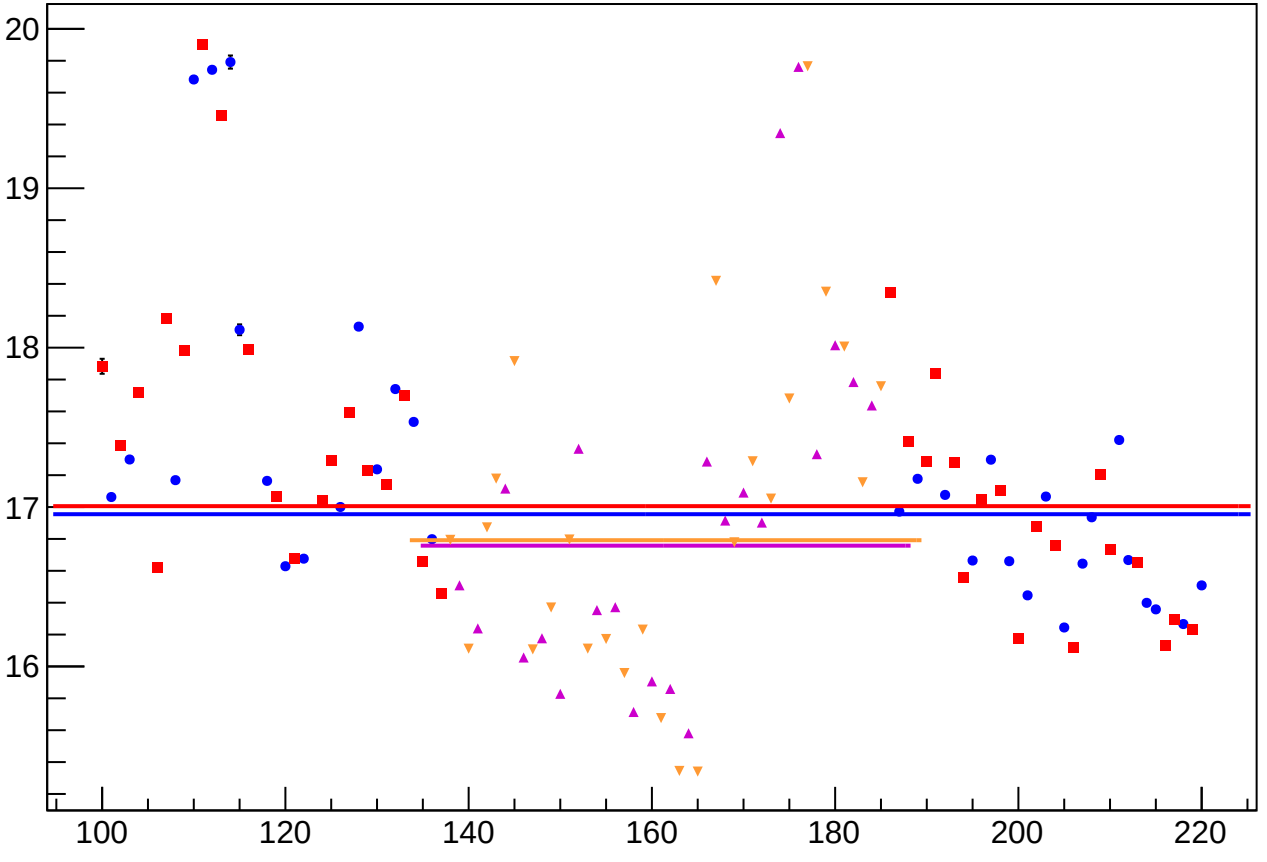
Right: -1.496+/-2.605 χ^2/NDF: 53.7/69

In: -0.230+/-2.692 χ^2/NDF:51.8/55

Out: 2.063+/-2.647 χ^2/NDF:55.9/61

All: 0.935+/-1.887 χ^2/NDF: 108.0/117

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.955+/-0.003 χ^2/NDF: 67252.2/32

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.006+/-0.003 χ^2/NDF: 80656.9/36

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

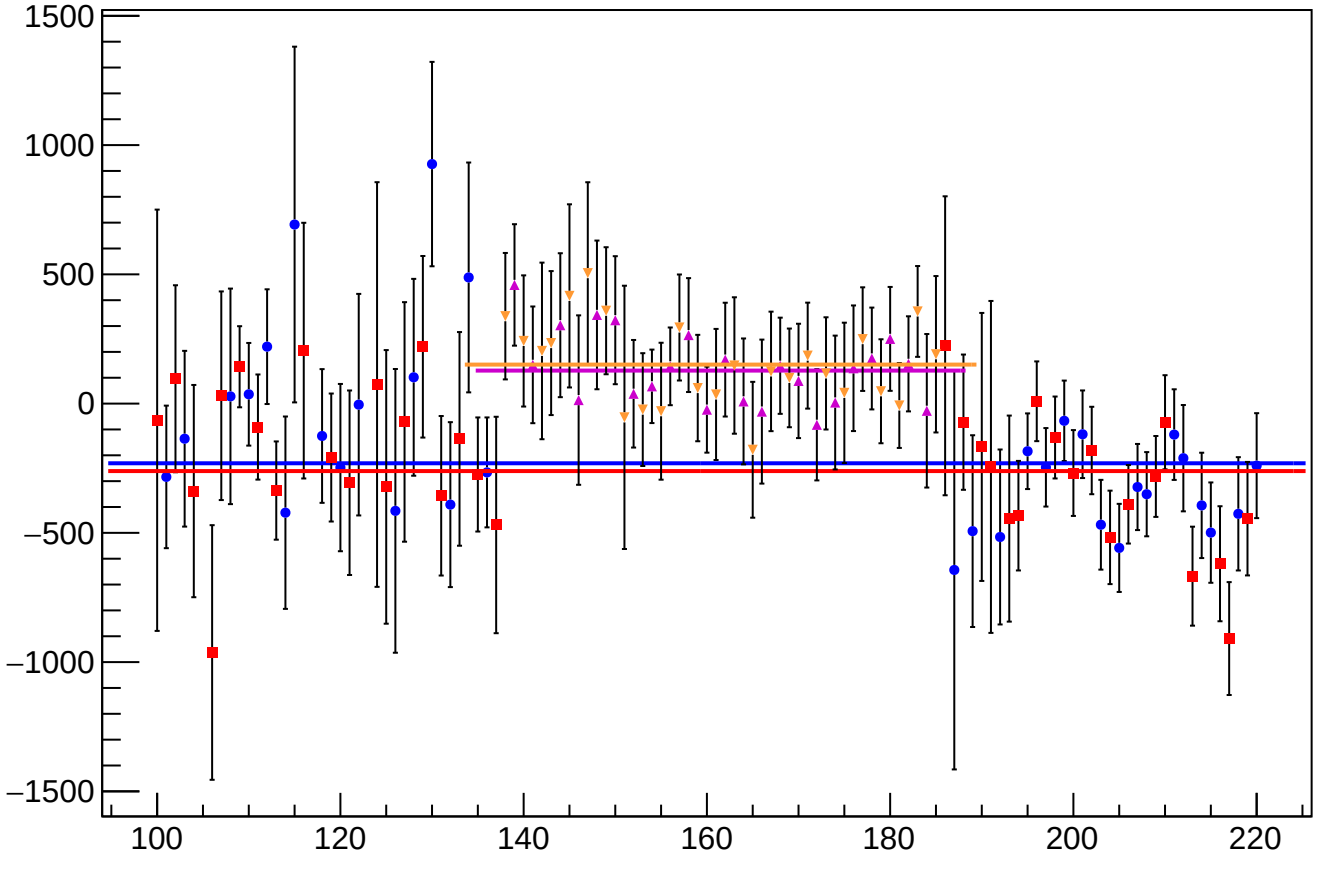
Right: 16.981+/-0.002 χ^2/NDF: 148097.1/69

In: 16.862+/-0.002 χ^2/NDF:193237.8/55

Out: 16.903+/-0.002 χ^2/NDF:220909.7/61

All: 16.883+/-0.001 χ^2/NDF: 414383.6/117

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -230.840+/-39.428 χ^2/NDF: 34.6/32

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -261.020+/-39.334 χ^2/NDF: 41.3/36

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

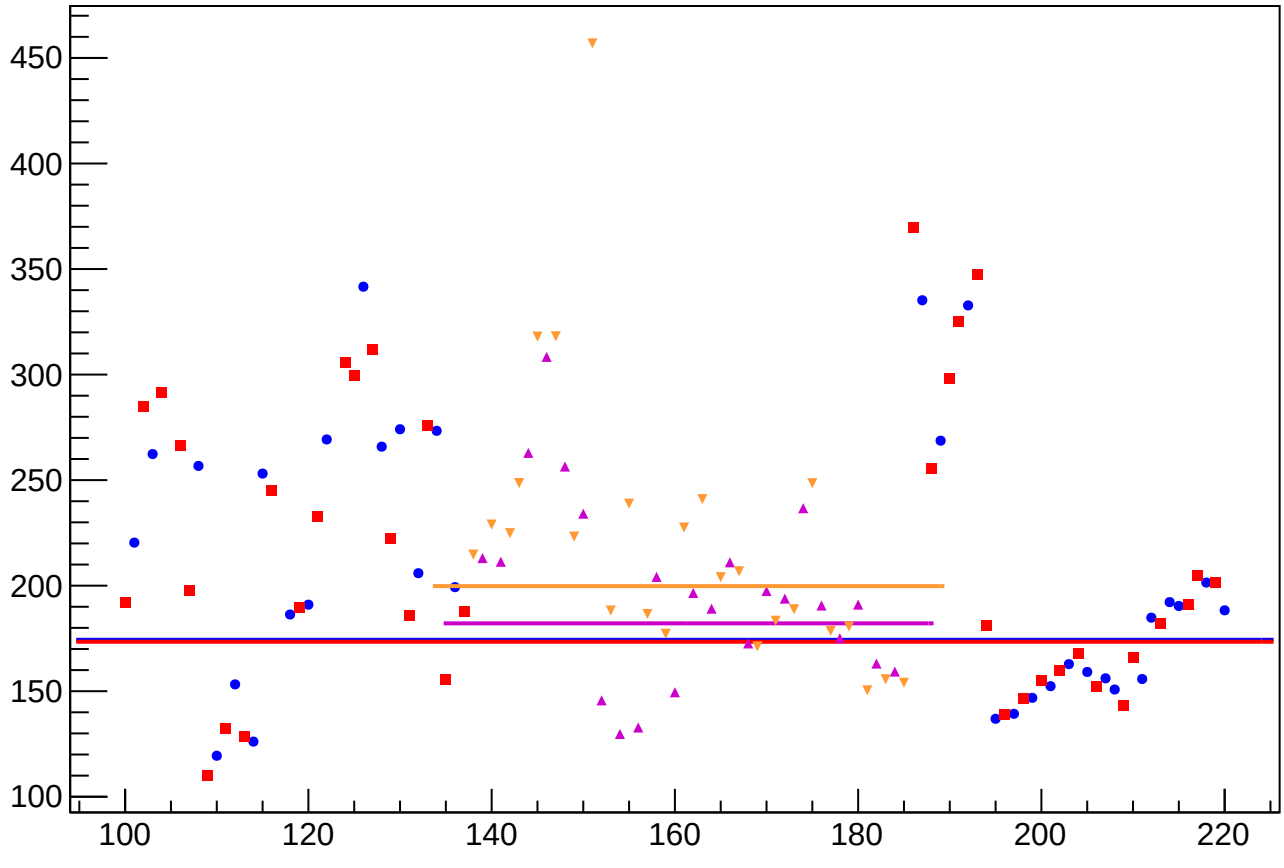
Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

Right: -245.966+/-27.846 χ^2/NDF: 76.2/69

In: -72.863+/-29.489 χ^2/NDF:78.9/55

Out: -91.505+/-30.174 χ^2/NDF:96.4/61

All: -81.970+/-21.090 χ^2/NDF: 175.5/117



Right In: 174.352+/-0.028 χ^2/NDF: 2356987.8/32

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 173.427+/-0.028 χ^2/NDF: 3036505.4/36

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

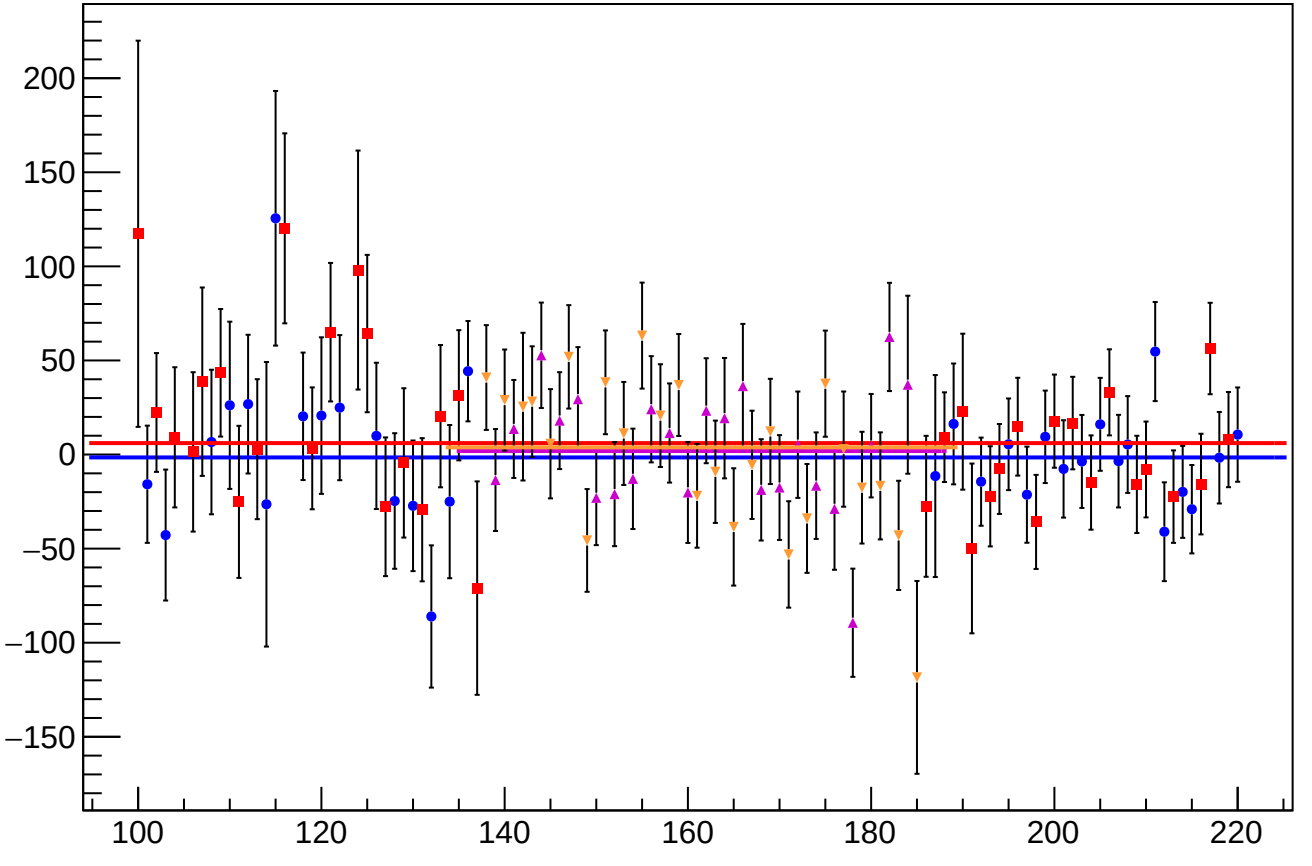
Right: 173.888+/-0.020 χ^2/NDF: 5394044.2/69

In: 177.788+/-0.021 χ^2/NDF:3975819.3/55

Out: 184.274+/-0.021 χ^2/NDF:5166412.6/61

All: 180.957+/-0.015 χ^2/NDF: 9189509.3/117

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.542+/-5.207 χ^2/NDF: 28.0/32

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 6.078+/-5.149 χ^2/NDF: 36.5/36

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

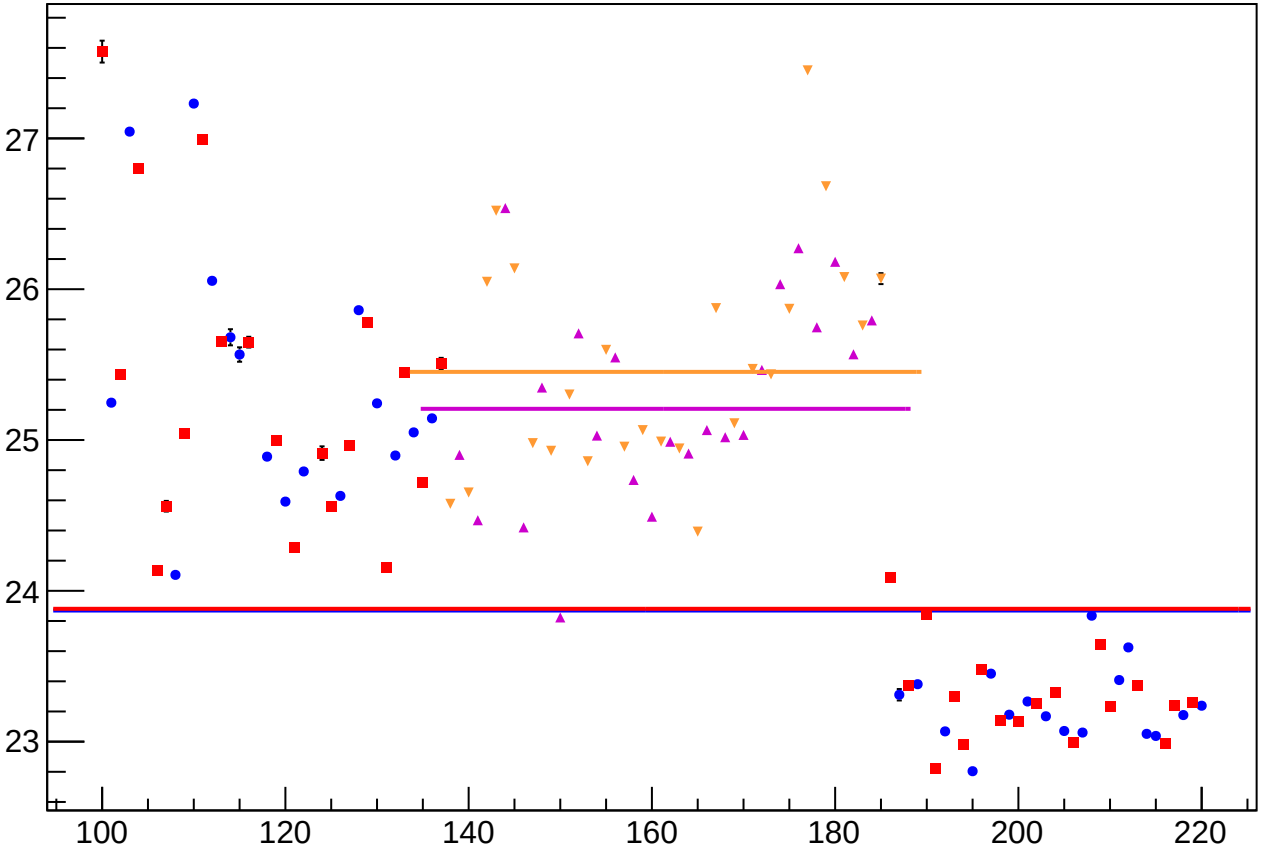
Right: 2.311+/-3.661 χ^2/NDF: 65.5/69

In: -0.055+/-3.902 χ^2/NDF:56.2/55

Out: 5.085+/-3.847 χ^2/NDF:74.2/61

All: 2.552+/-2.740 χ^2/NDF: 131.3/117

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 23.869+/-0.004 χ^2/NDF: 87196.7/32

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 23.881+/-0.004 χ^2/NDF: 80045.1/36

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

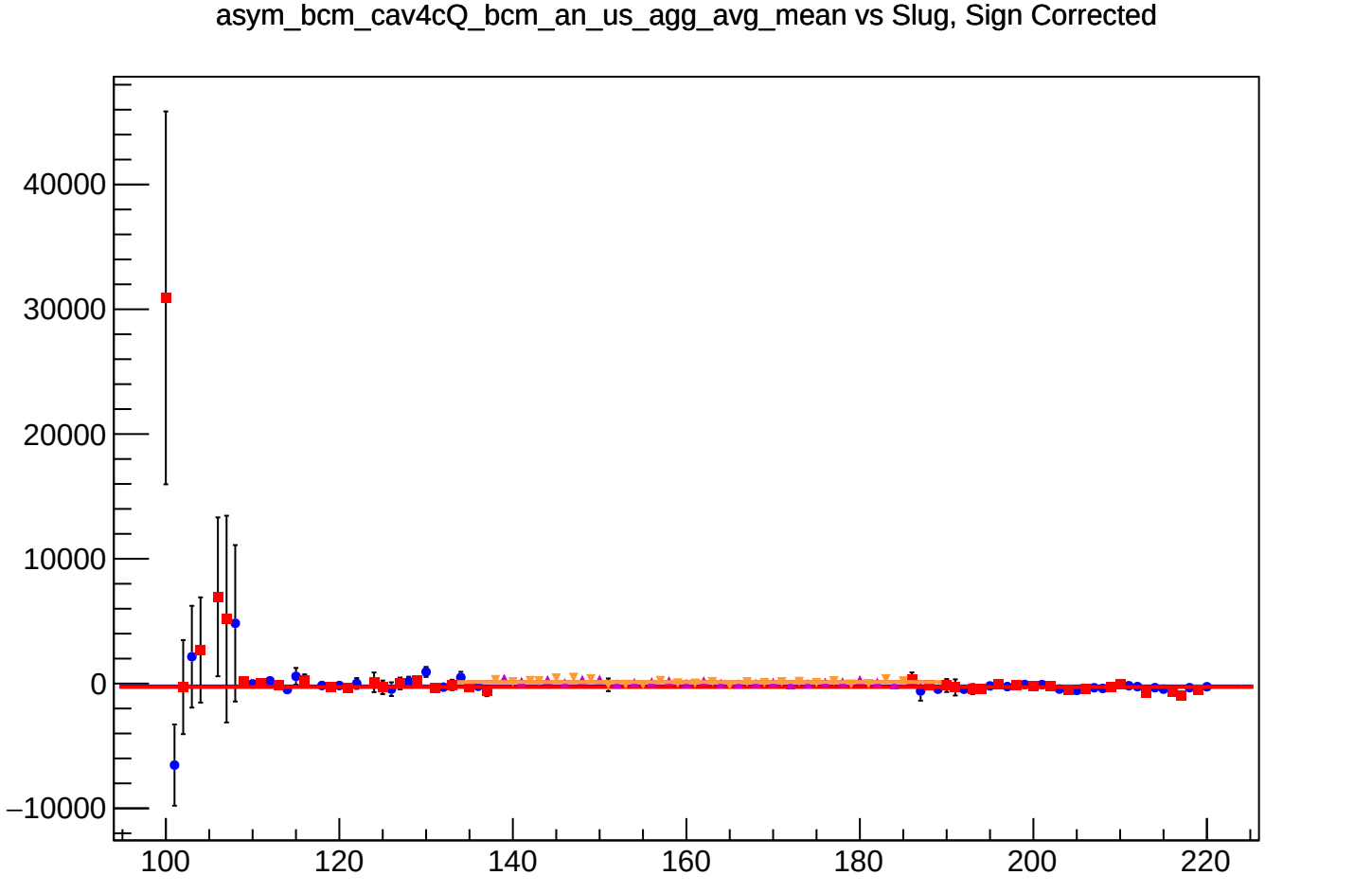
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 23.875+/-0.003 χ^2/NDF: 167246.6/69

In: 24.456+/-0.003 χ^2/NDF:170870.6/55

Out: 24.575+/-0.003 χ^2/NDF:191905.1/61

All: 24.516+/-0.002 χ^2/NDF: 363717.3/117



Right In: -226.828+/-40.985 χ^2/NDF: 35.3/32

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -276.074+/-41.344 χ^2/NDF: 46.4/36

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

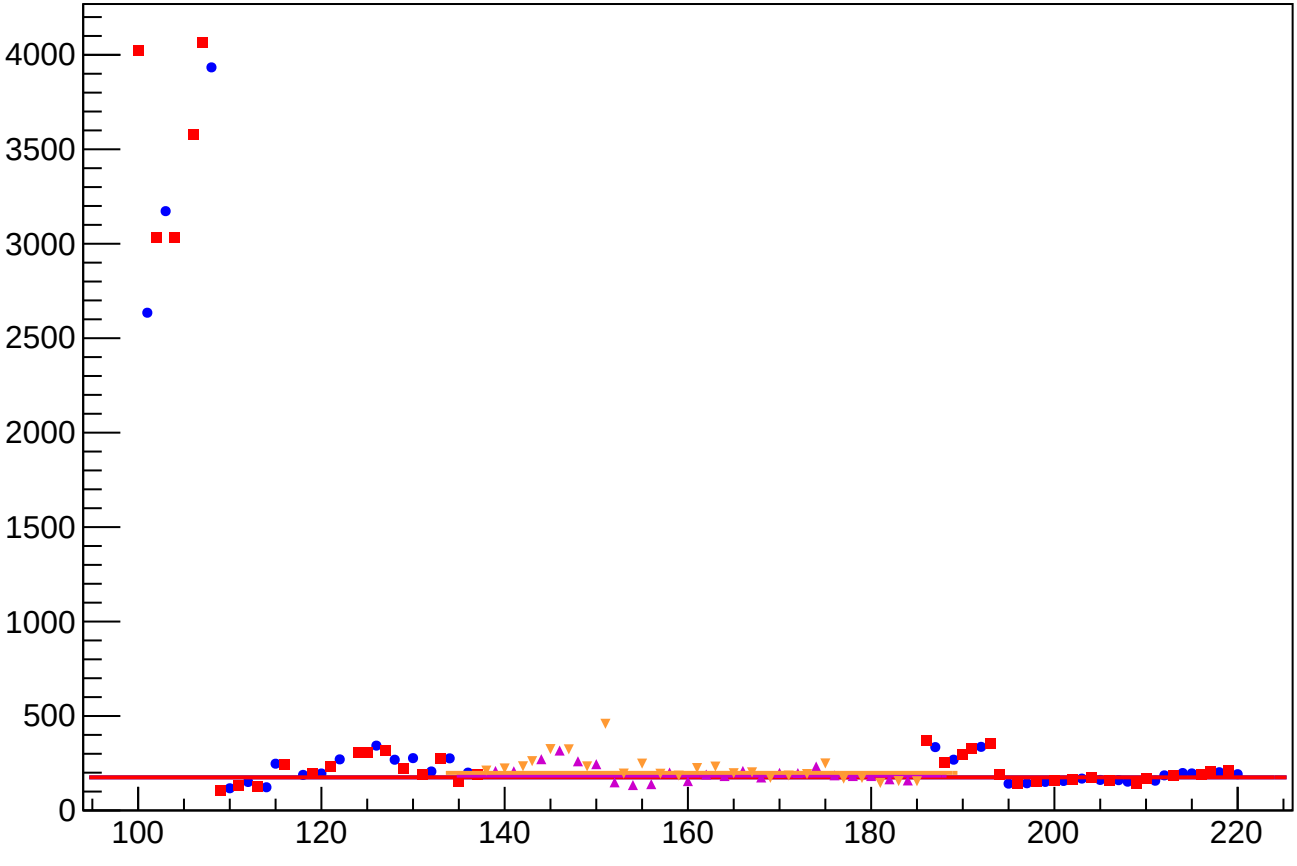
Right: -251.237+/-29.107 χ^2/NDF: 82.4/69

In: -70.314+/-30.262 χ^2/NDF:75.4/55

Out: -100.729+/-31.021 χ^2/NDF:98.6/61

All: -85.145+/-21.662 χ^2/NDF: 174.5/117

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.238+/-0.029 χ^2/NDF: 4983603.9/32

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 175.248+/-0.029 χ^2/NDF: 5693751.9/36

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

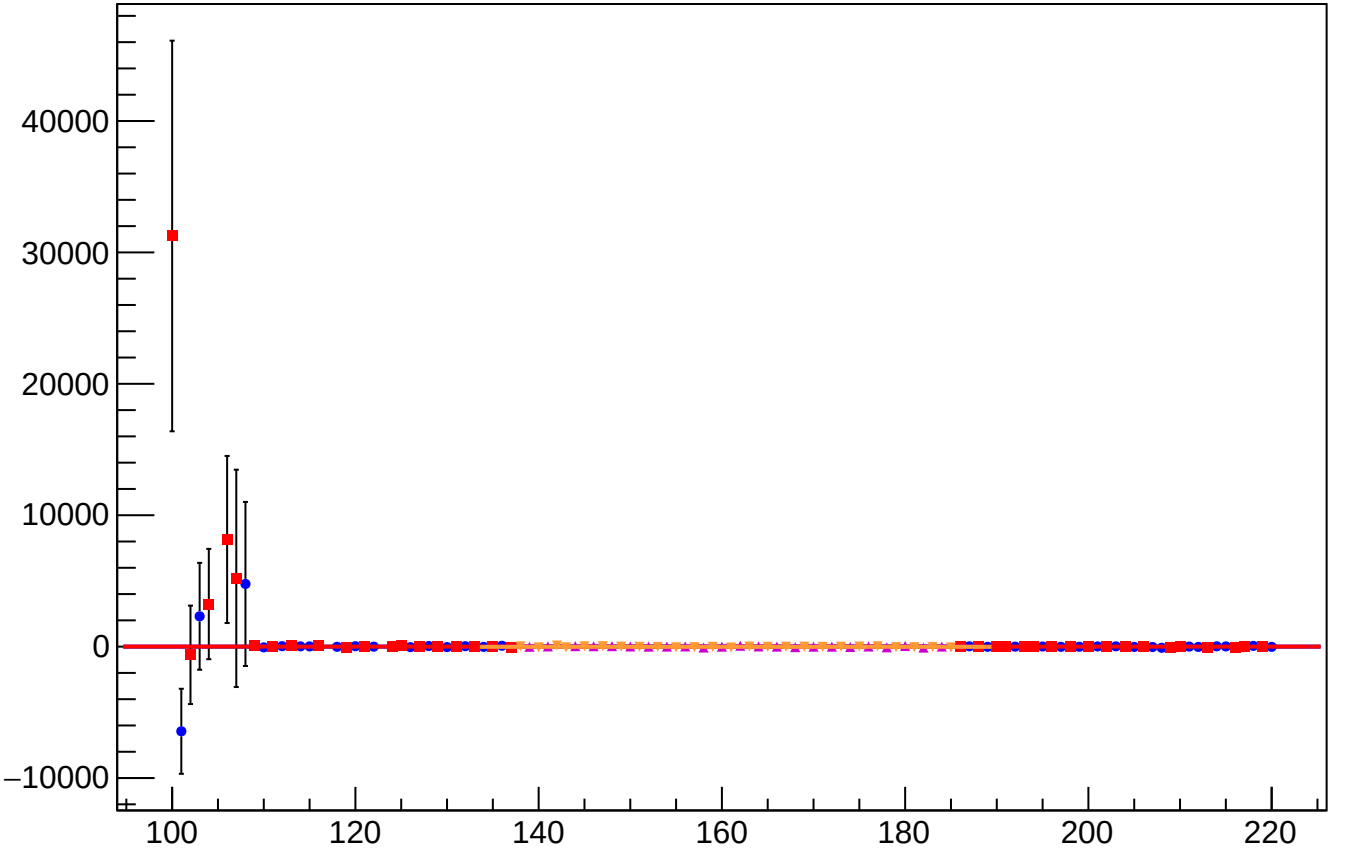
Right: 175.243+/-0.021 χ^2/NDF: 10677355.9/69

In: 179.404+/-0.021 χ^2/NDF:6475358.1/55

Out: 185.626+/-0.022 χ^2/NDF:7884224.6/61

All: 182.438+/-0.015 χ^2/NDF: 14400798.1/11

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.354+/-6.218 χ^2/NDF: 34.6/32

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 2.084+/-6.233 χ^2/NDF: 43.4/36

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

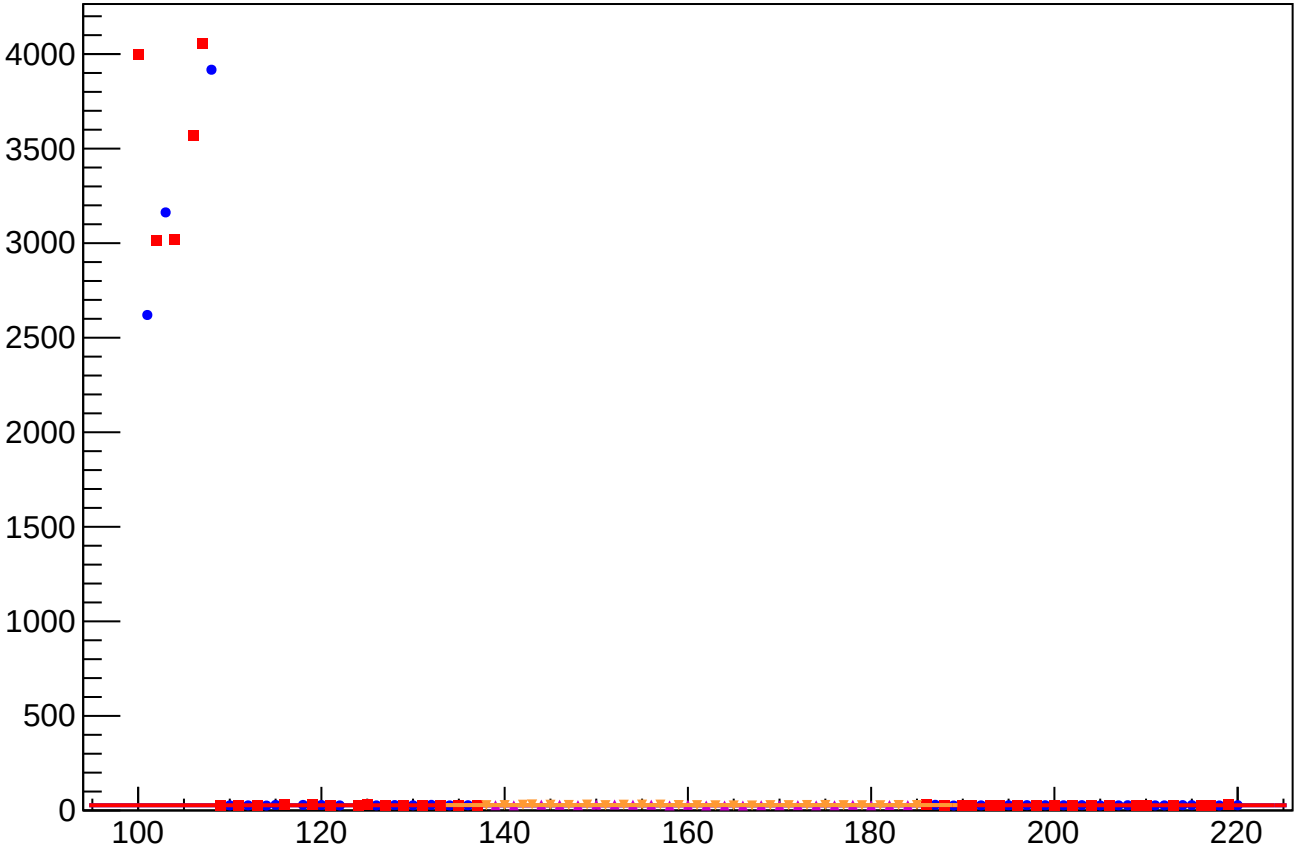
Right: 1.217+/-4.402 χ^2/NDF: 78.0/69

In: 1.195+/-4.559 χ^2/NDF:62.9/55

Out: -6.002+/-4.503 χ^2/NDF:69.1/61

All: -2.448+/-3.204 χ^2/NDF: 133.3/117

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.384+/-0.004 χ^2/NDF: 3287474.3/32

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.456+/-0.004 χ^2/NDF: 3623757.3/36

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

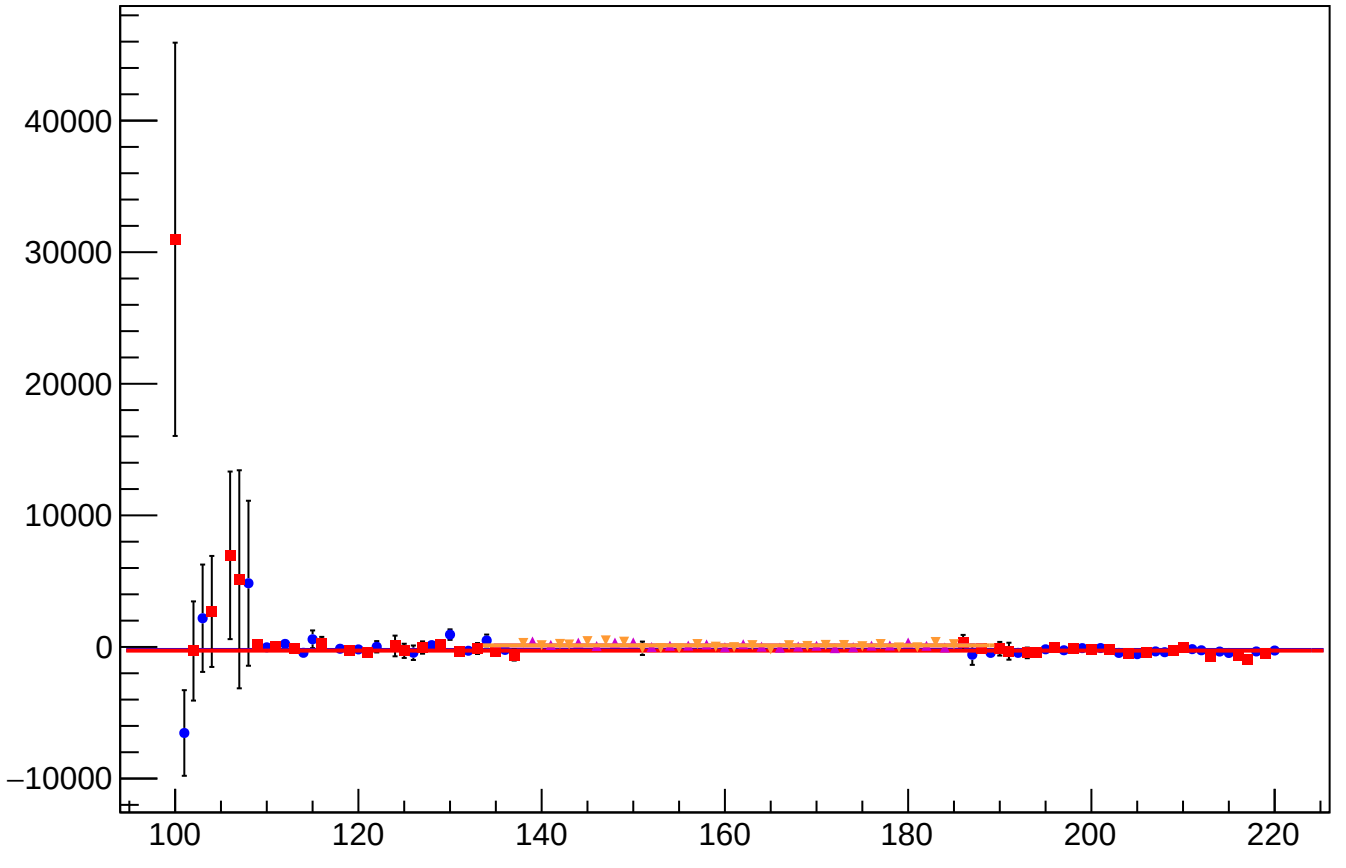
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.420+/-0.003 χ^2/NDF: 6911366.5/69

In: 27.949+/-0.003 χ^2/NDF:3446127.7/55

Out: 27.996+/-0.003 χ^2/NDF:3743299.5/61

All: 27.973+/-0.002 χ^2/NDF: 7189535.6/117



Right In: -229.208+/-40.865 χ^2/NDF: 36.0/32

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -276.985+/-41.228 χ^2/NDF: 47.4/36

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

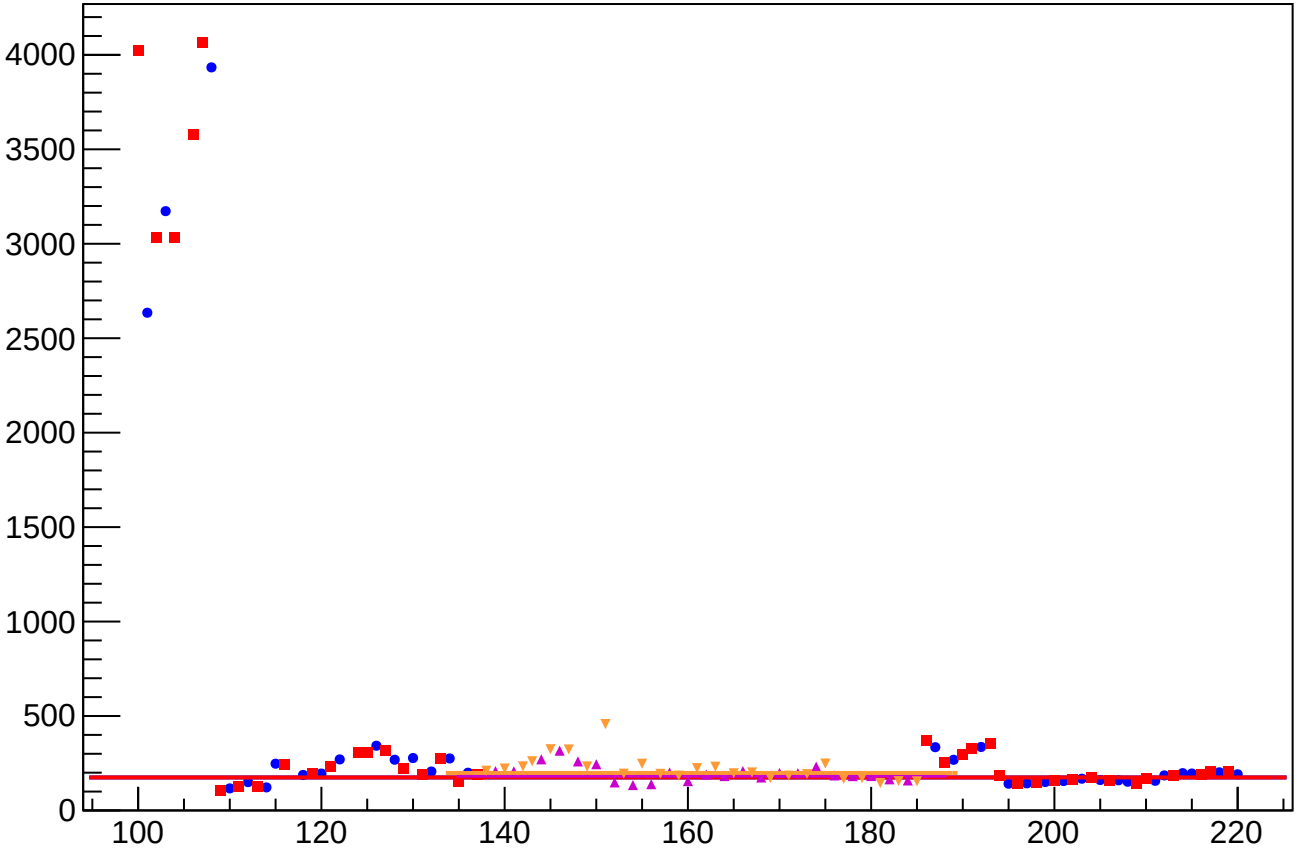
Right: -252.885+/-29.023 χ^2/NDF: 84.0/69

In: -72.263+/-30.187 χ^2/NDF:76.9/55

Out: -102.789+/-30.943 χ^2/NDF:100.2/61

All: -87.149+/-21.608 χ^2/NDF: 177.6/117

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.694+/-0.029 χ^2/NDF: 4997331.3/32

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 174.713+/-0.029 χ^2/NDF: 5713117.1/36

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

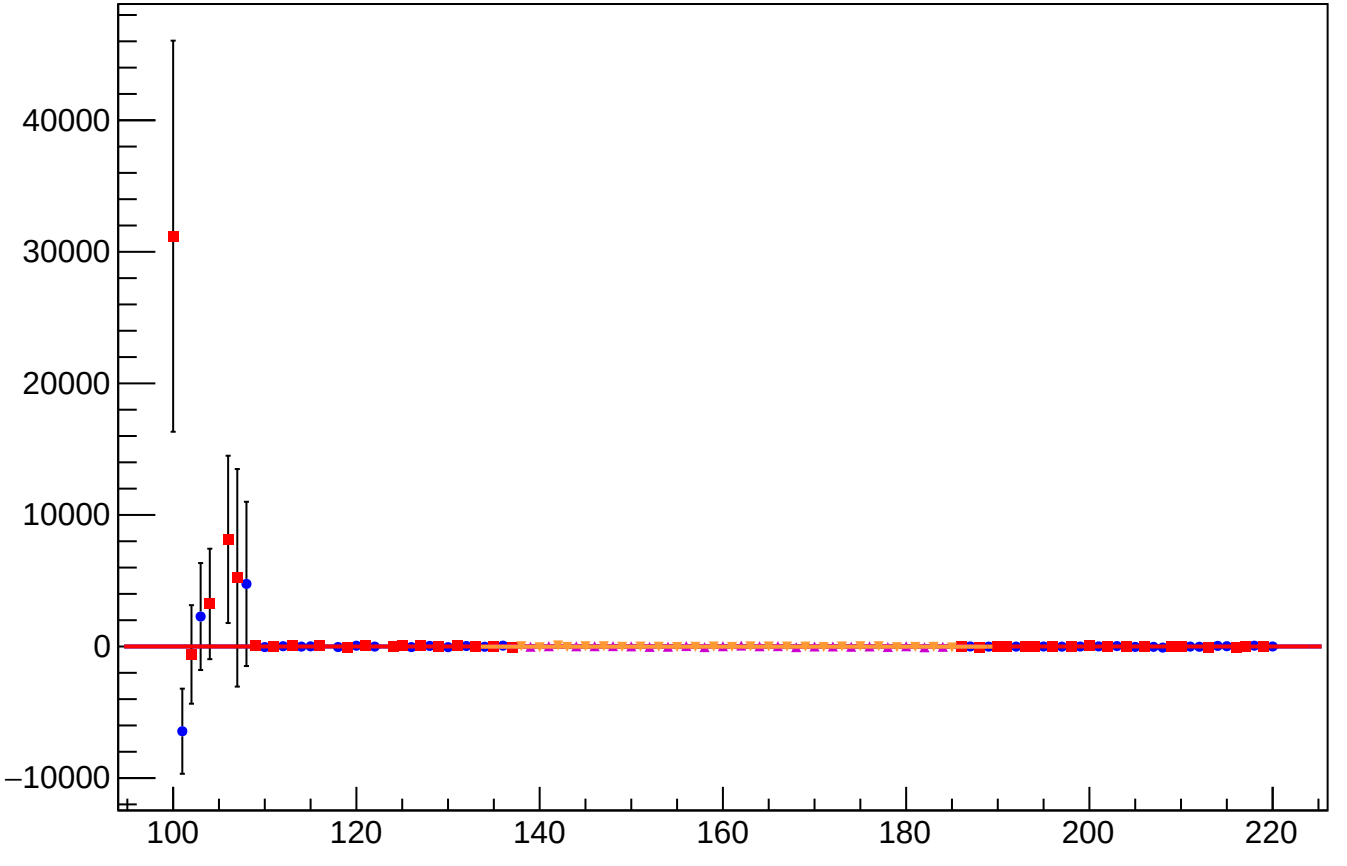
Right: 174.703+/-0.021 χ^2/NDF: 10710448.6/69

In: 178.945+/-0.021 χ^2/NDF:6490399.5/55

Out: 185.131+/-0.022 χ^2/NDF:7907095.8/61

All: 181.961+/-0.015 χ^2/NDF: 14438455.4/1

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.836+/-6.178 χ^2/NDF: 38.2/32

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 3.309+/-6.198 χ^2/NDF: 41.4/36

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

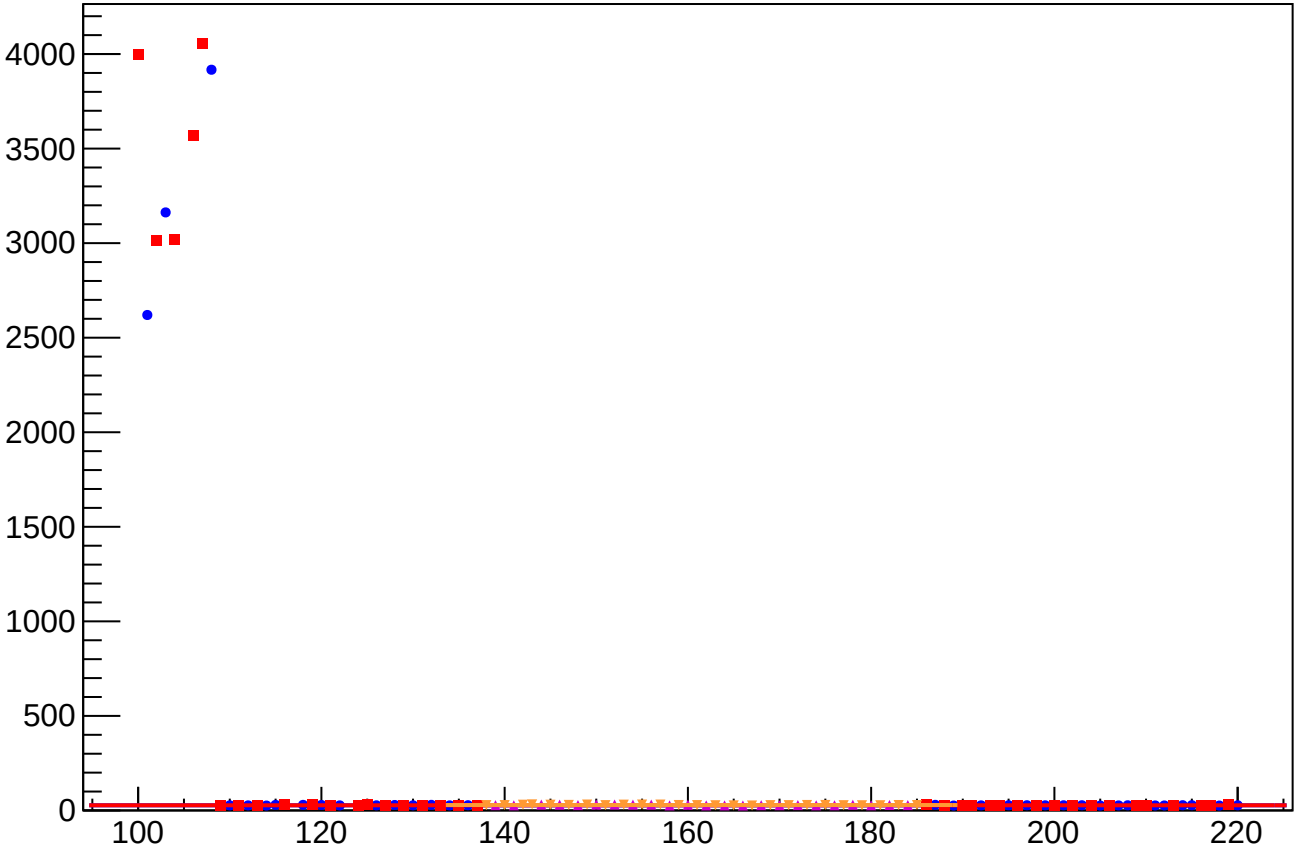
Right: 2.570+/-4.376 χ^2/NDF: 79.6/69

In: 2.174+/-4.552 χ^2/NDF:60.3/55

Out: -3.869+/-4.499 χ^2/NDF:62.1/61

All: -0.883+/-3.200 χ^2/NDF: 123.4/117

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.201+/-0.004 χ^2/NDF: 3295488.7/32

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.302+/-0.004 χ^2/NDF: 3626140.8/36

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

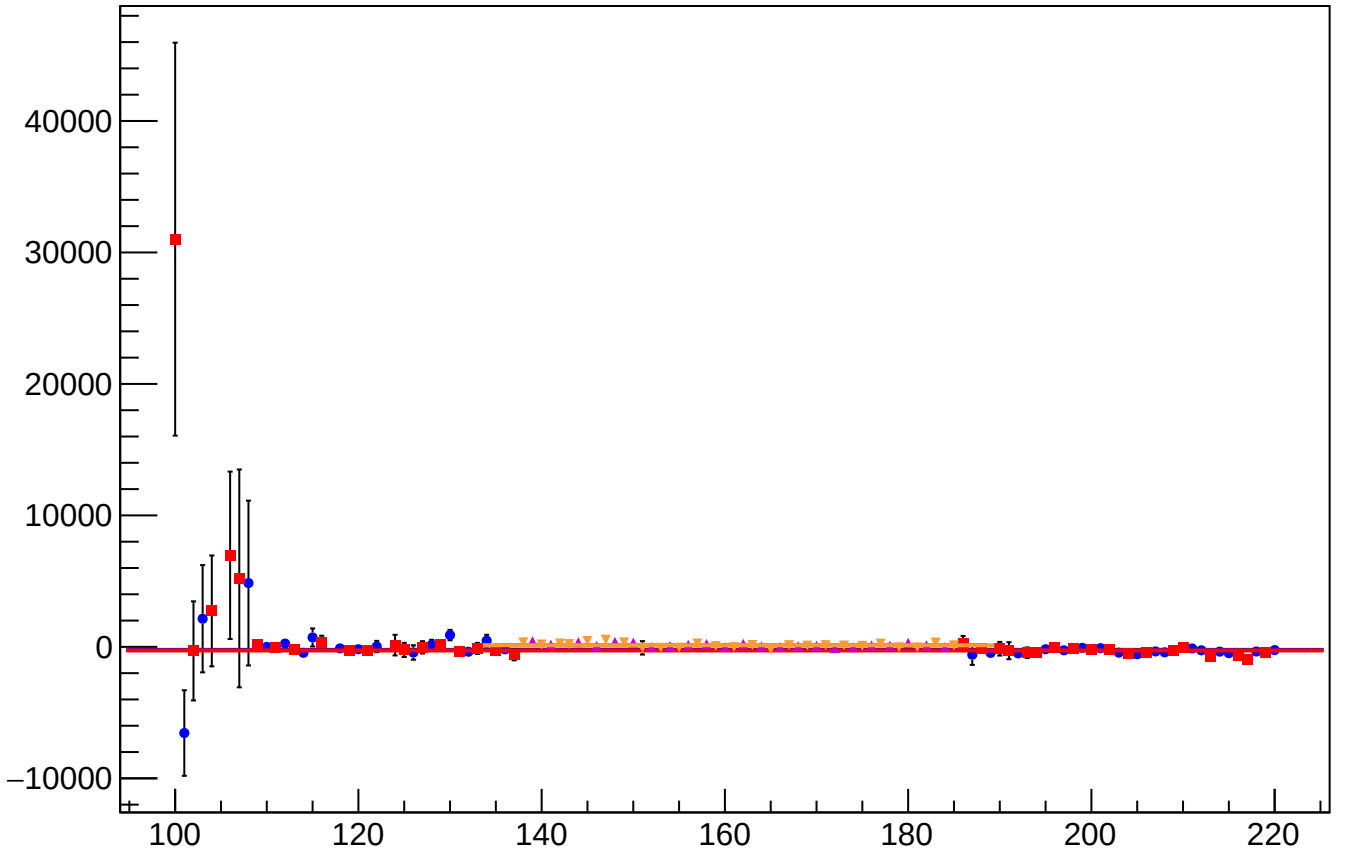
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.251+/-0.003 χ^2/NDF: 6921896.6/69

In: 27.899+/-0.003 χ^2/NDF:3478725.4/55

Out: 27.967+/-0.003 χ^2/NDF:3773665.9/61

All: 27.933+/-0.002 χ^2/NDF: 7252617.9/117



Right In: -229.400+/-41.157 χ^2/NDF: 37.4/32

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -271.844+/-41.536 χ^2/NDF: 44.9/36

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

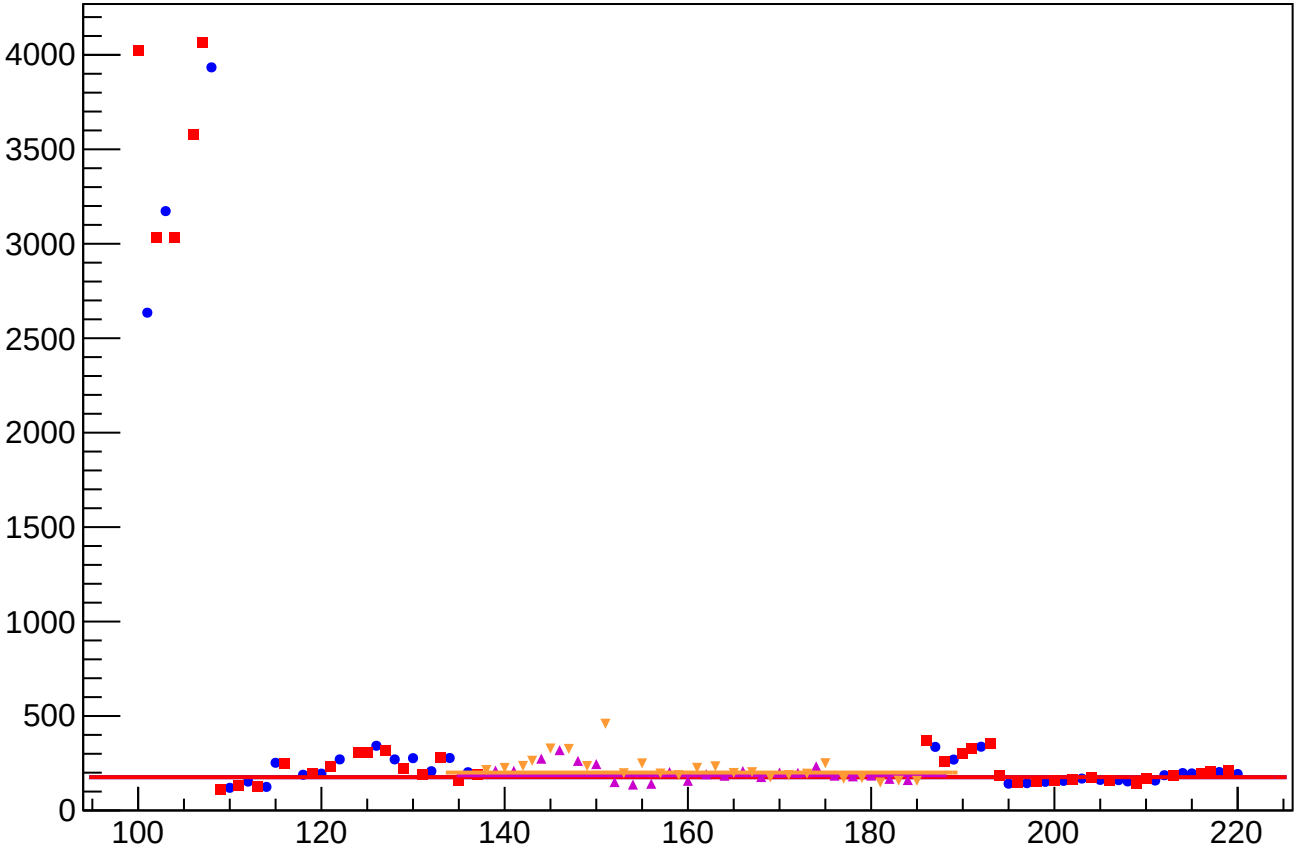
Right: -250.427+/-29.235 χ^2/NDF: 82.8/69

In: -69.909+/-30.453 χ^2/NDF:79.1/55

Out: -99.991+/-31.210 χ^2/NDF:95.6/61

All: -84.580+/-21.796 χ^2/NDF: 175.1/117

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 176.041+/-0.029 χ^2/NDF: 4960029.4/32

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 176.191+/-0.029 χ^2/NDF: 5648247.0/36

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

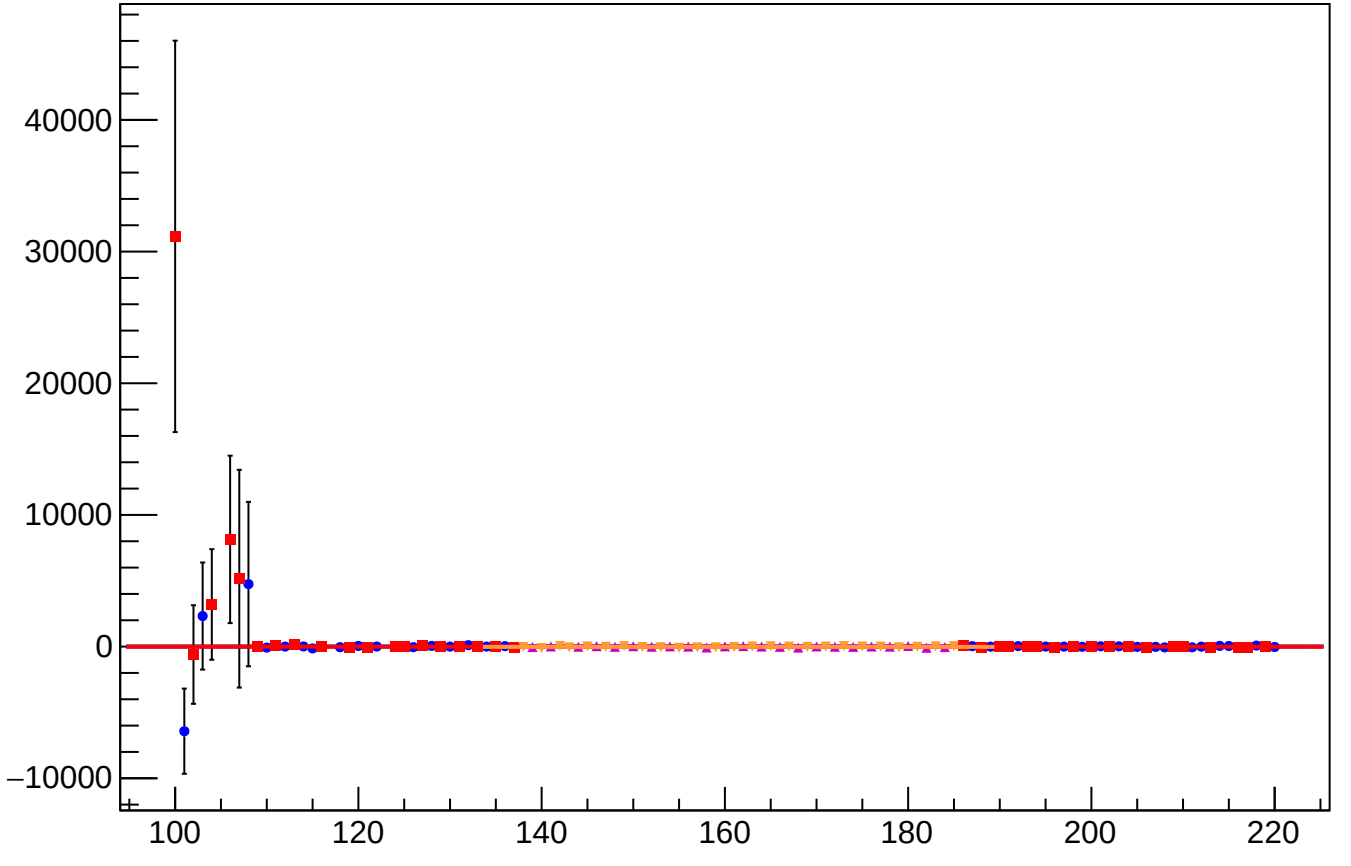
Right: 176.116+/-0.021 χ^2/NDF: 10608289.7/69

In: 180.624+/-0.022 χ^2/NDF:6428225.7/55

Out: 186.856+/-0.022 χ^2/NDF:7831153.1/61

All: 183.664+/-0.015 χ^2/NDF: 14300228.6/11

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.192+/-7.533 χ^2/NDF: 35.2/32

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -6.079+/-7.555 χ^2/NDF: 39.3/36

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

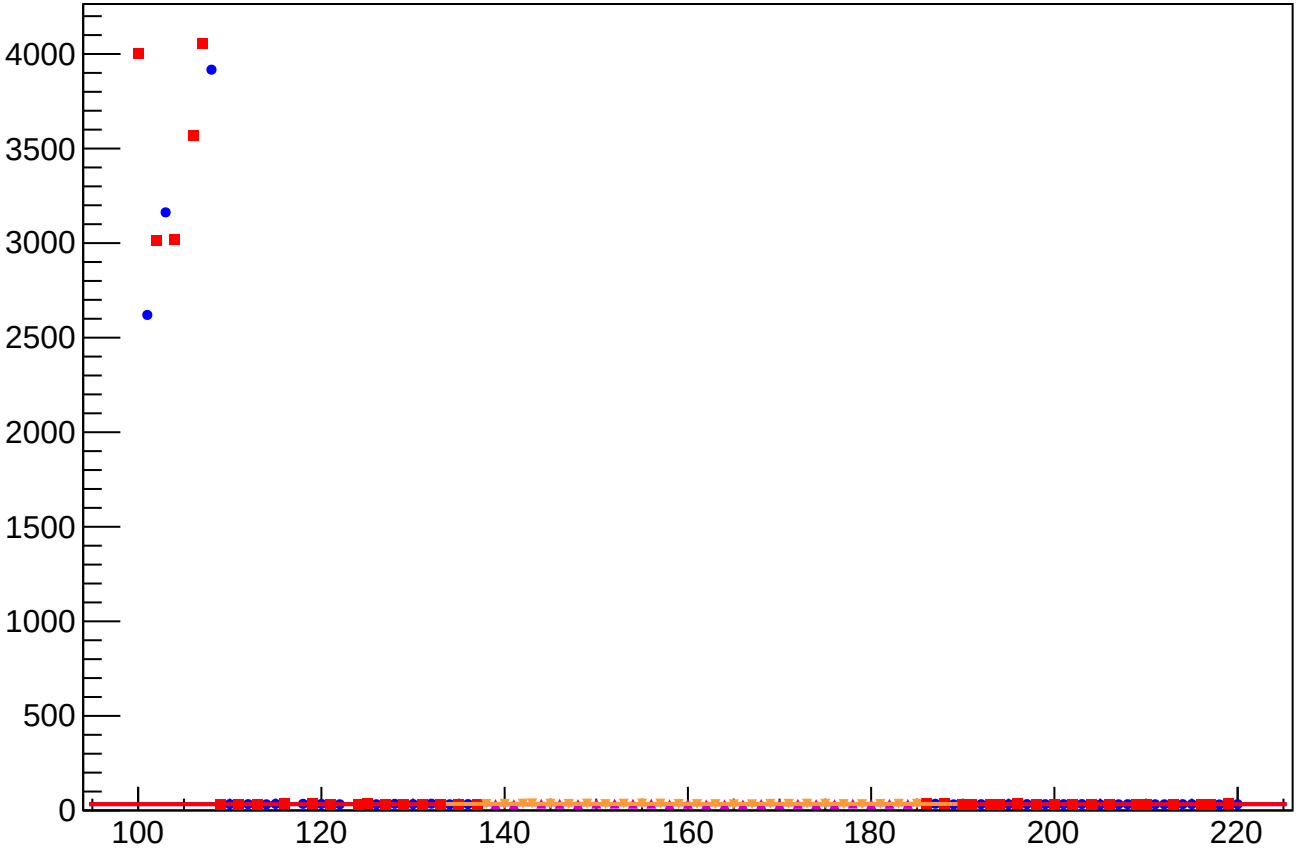
Right: -0.427+/-5.334 χ^2/NDF: 75.6/69

In: 0.907+/-5.511 χ^2/NDF:54.8/55

Out: -13.378+/-5.439 χ^2/NDF:64.1/61

All: -6.330+/-3.871 χ^2/NDF: 122.4/117

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.197+/-0.005 χ^2/NDF: 3261537.8/32

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.331+/-0.005 χ^2/NDF: 3563378.2/36

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

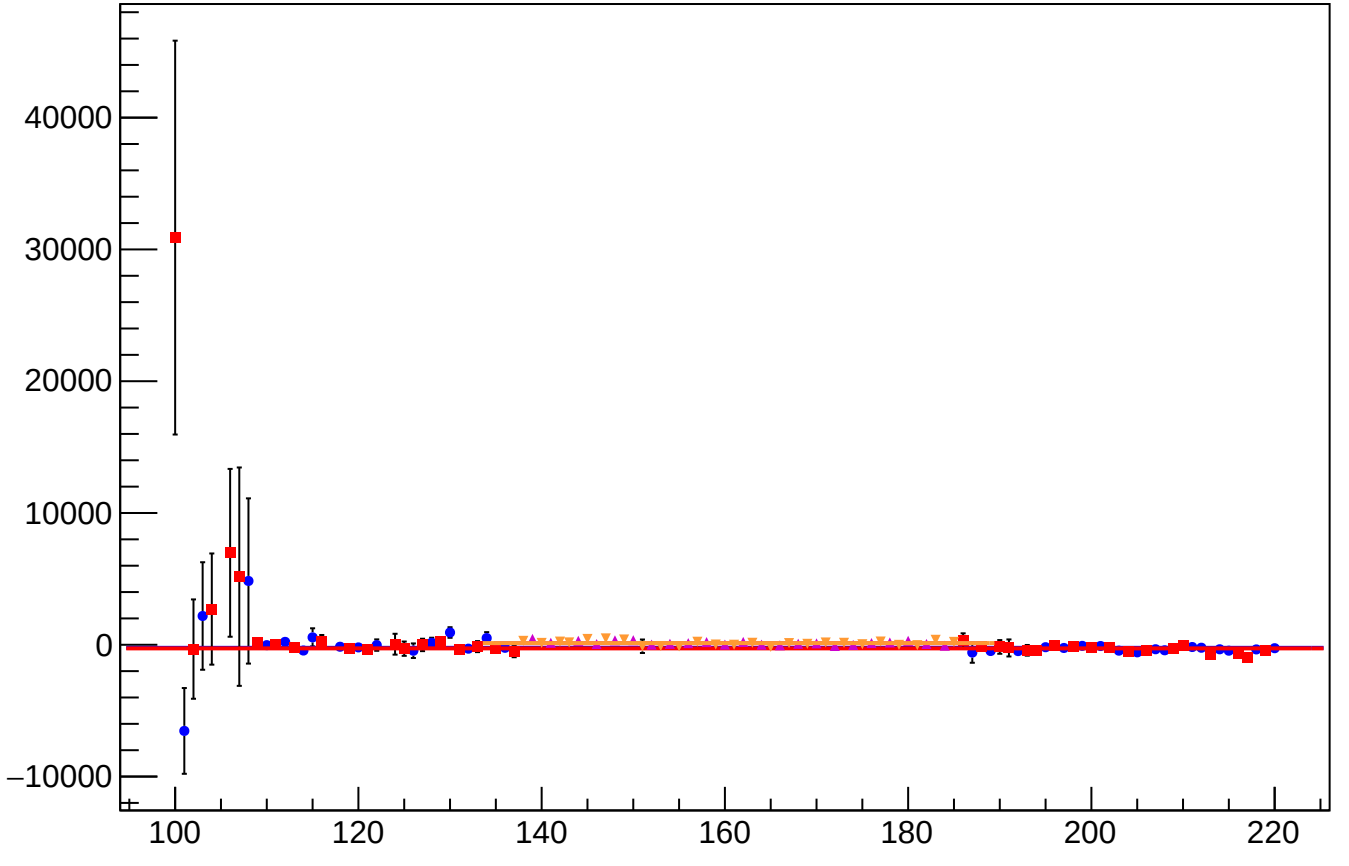
Right: 33.263+/-0.004 χ^2/NDF: 6825232.6/69

In: 33.827+/-0.004 χ^2/NDF:3350919.0/55

Out: 33.865+/-0.004 χ^2/NDF:3628783.8/61

All: 33.846+/-0.003 χ^2/NDF: 6979751.0/117

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -233.015+/-41.036 χ^2/NDF: 36.0/32

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -273.965+/-41.392 χ^2/NDF: 45.7/36

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

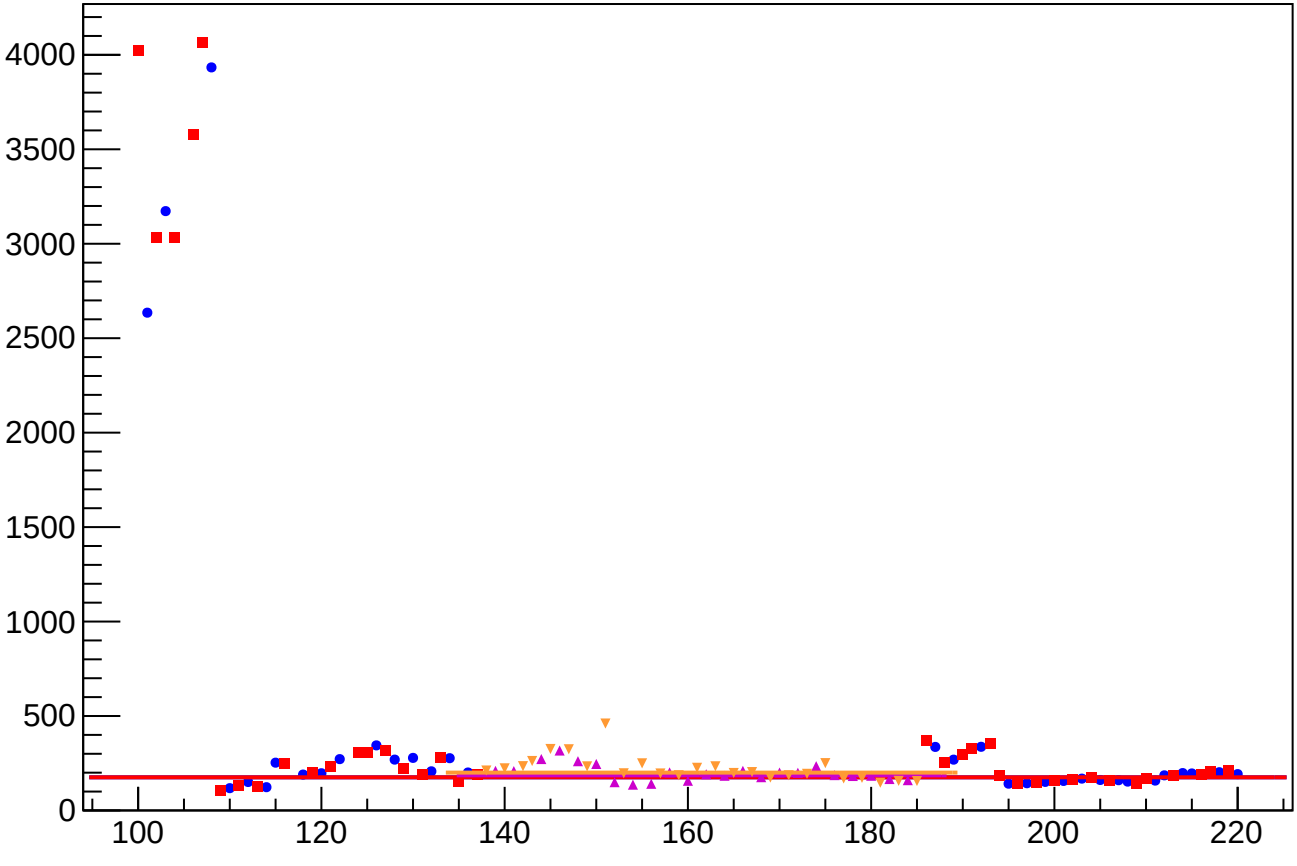
Right: -253.313+/-29.142 χ^2/NDF: 82.2/69

In: -72.238+/-30.382 χ^2/NDF:78.0/55

Out: -99.474+/-31.129 χ^2/NDF:98.2/61

All: -85.526+/-21.743 χ^2/NDF: 176.6/117

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.443+/-0.029 χ^2/NDF: 4991329.9/32

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 175.448+/-0.029 χ^2/NDF: 5700465.6/36

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

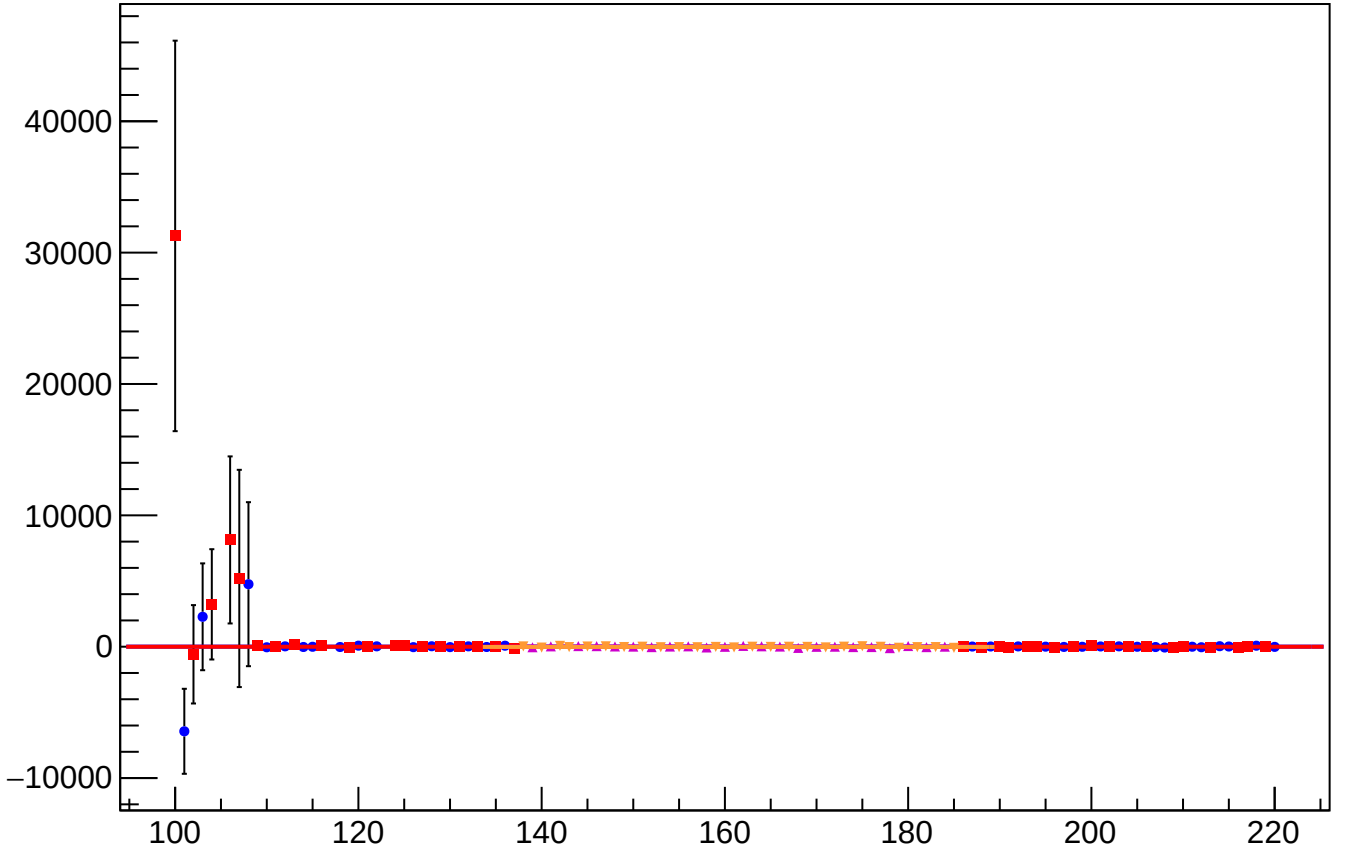
Right: 175.445+/-0.021 χ^2/NDF: 10691795.5/69

In: 180.155+/-0.021 χ^2/NDF:6455215.7/55

Out: 186.276+/-0.022 χ^2/NDF:7892030.5/61

All: 183.141+/-0.015 χ^2/NDF: 14386846.8/1

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.485+/-6.811 χ^2/NDF: 31.8/32

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -2.467+/-6.833 χ^2/NDF: 46.5/36

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

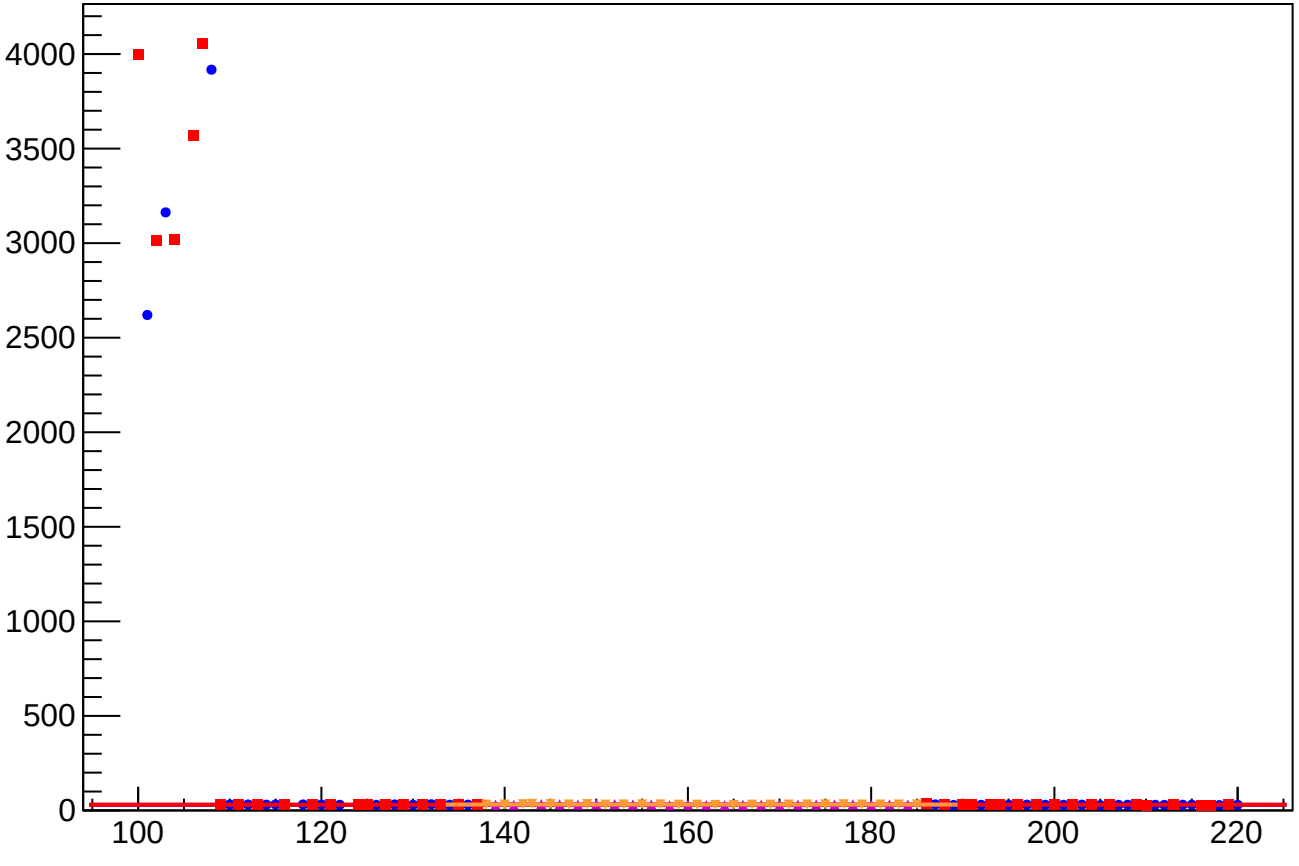
Right: 2.024+/-4.824 χ^2/NDF: 79.1/69

In: 2.236+/-4.995 χ^2/NDF:68.1/55

Out: -10.176+/-4.935 χ^2/NDF:69.6/61

All: -4.045+/-3.511 χ^2/NDF: 140.8/117

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 29.997+/-0.005 χ^2/NDF: 3282671.4/32

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.122+/-0.005 χ^2/NDF: 3590189.8/36

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

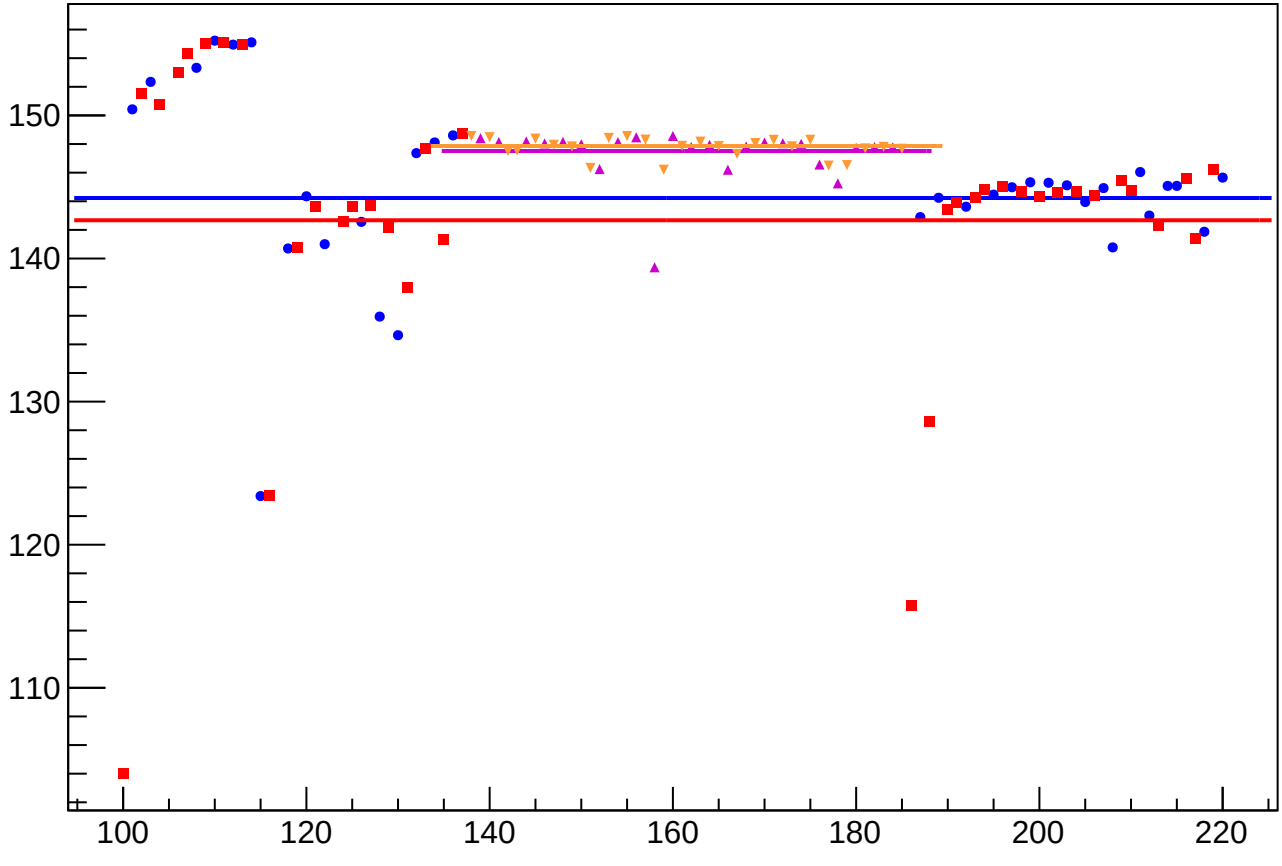
Right: 30.059+/-0.003 χ^2/NDF: 6873193.5/69

In: 30.636+/-0.004 χ^2/NDF:3405955.5/55

Out: 30.705+/-0.003 χ^2/NDF:3683609.1/61

All: 30.671+/-0.002 χ^2/NDF: 7089754.8/117

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.229+/-0.000 χ^2/NDF: 3796201532.2/32

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

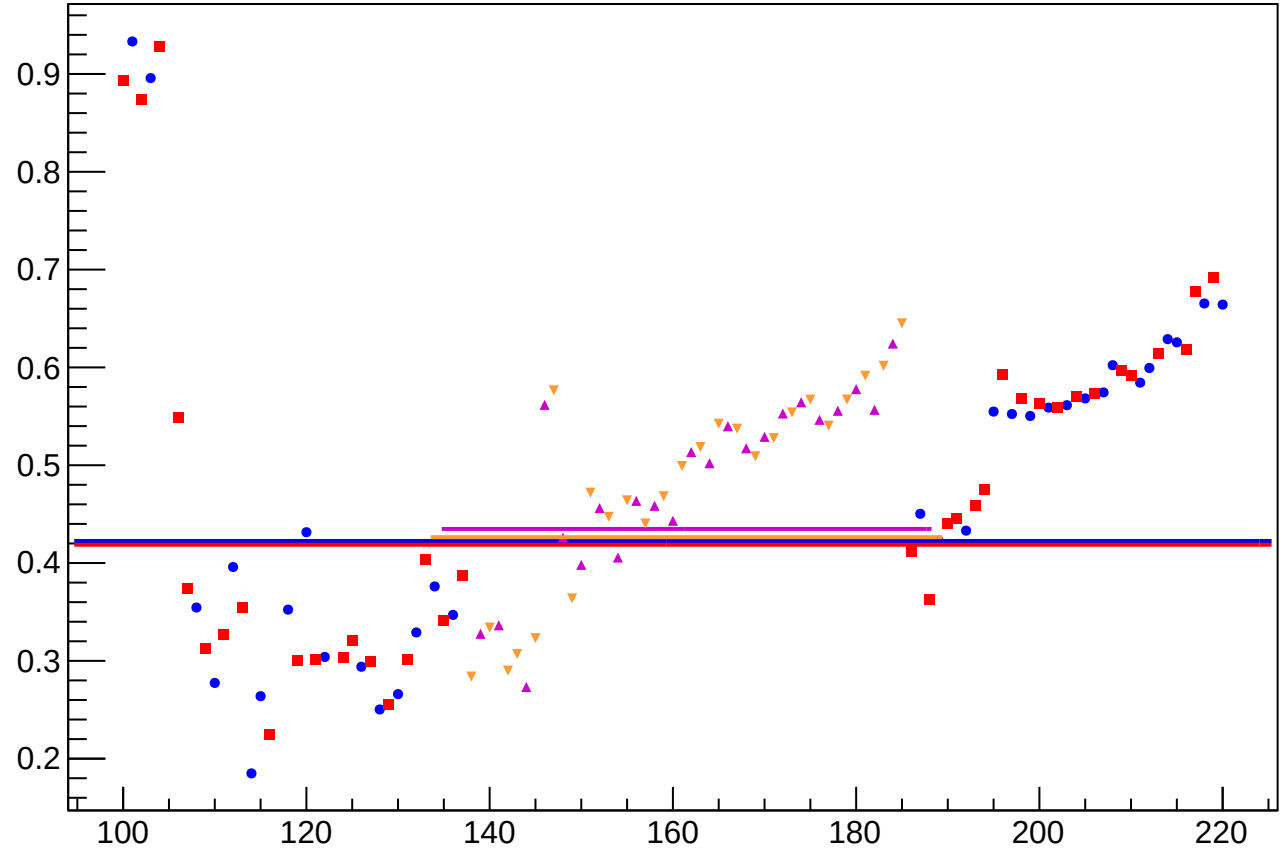
Right: 143.431+/-0.000 χ^2/NDF: 11542330204.5/69

In: 145.781+/-0.000 χ^2/NDF:4609062708.7/55

Out: 145.170+/-0.000 χ^2/NDF:9024309702.8/61

All: 145.465+/-0.000 χ^2/NDF: 13669728619.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.423+/-0.000 χ^2/NDF: 4486936.9/32

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

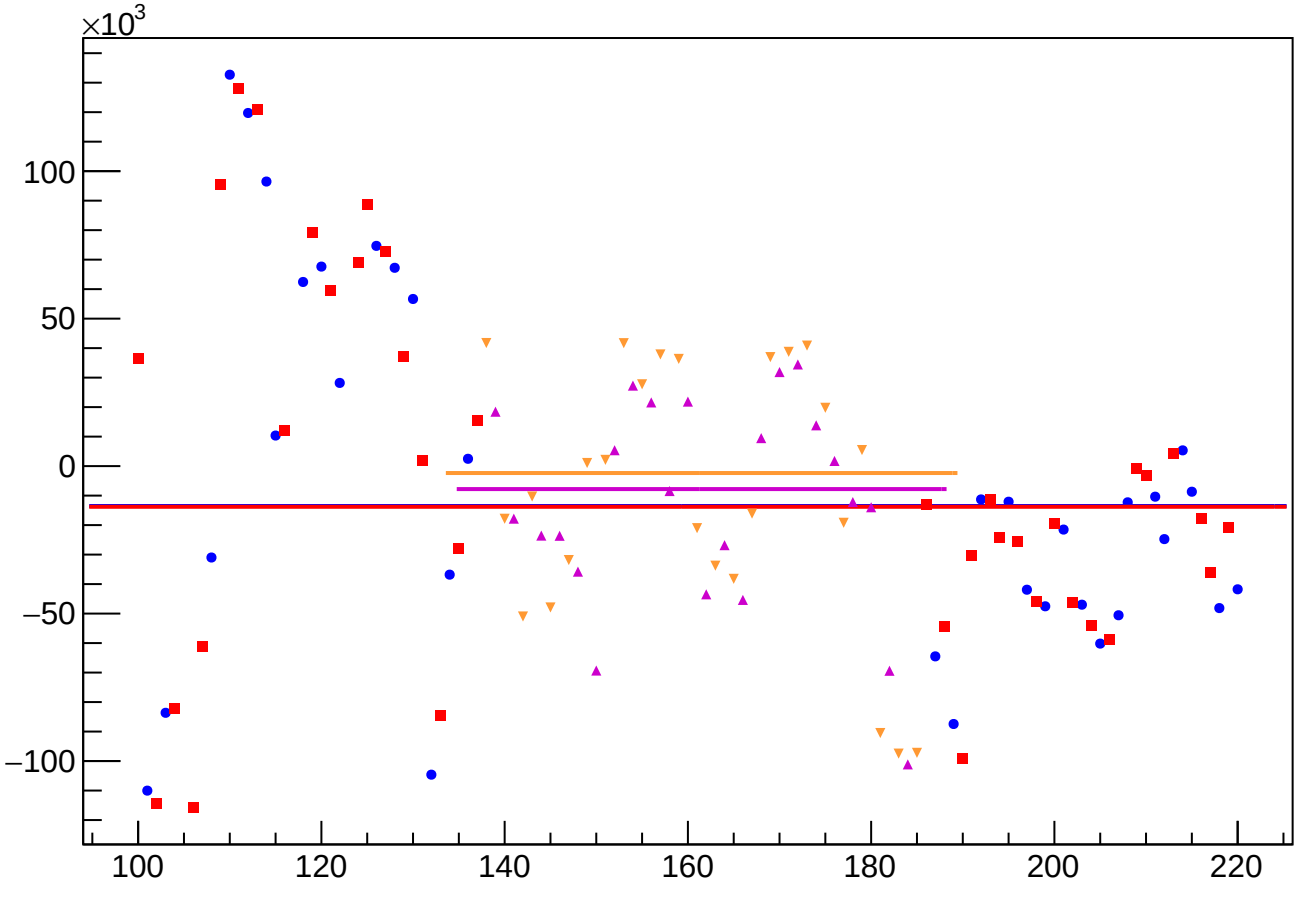
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.421+/-0.000 χ^2/NDF: 8671830.4/69

In: 0.428+/-0.000 χ^2/NDF:6276110.6/55

Out: 0.422+/-0.000 χ^2/NDF:6448564.9/61

All: 0.425+/-0.000 χ^2/NDF: 12731601.5/117



Right In: -13532.691+/-1.213 χ^2/NDF: 1998371703.1/32

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -13784.514+/-1.168 χ^2/NDF: 2418104833.2/36

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

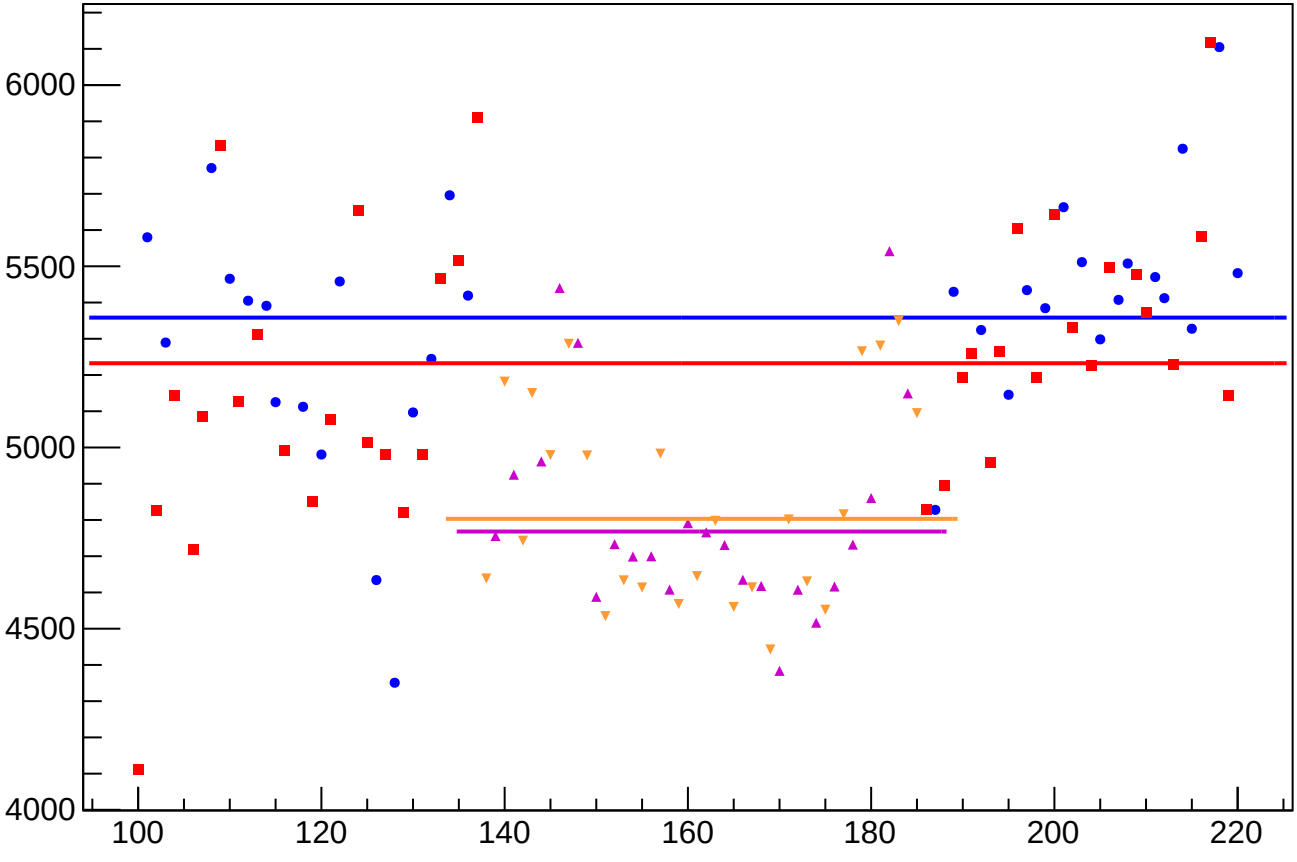
Right: -13663.339+/-0.841 χ^2/NDF: 4416498901.9/6

In: -10493.921+/-0.832 χ^2/NDF:2772735896.6/55

Out: -7841.117+/-0.810 χ^2/NDF:3697967460.1/61

All: -9130.727+/-0.580 χ^2/NDF: 6475922279

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5358.404+/-0.858 χ^2/NDF: 140667.9/32

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5232.495+/-0.826 χ^2/NDF: 153101.1/36

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

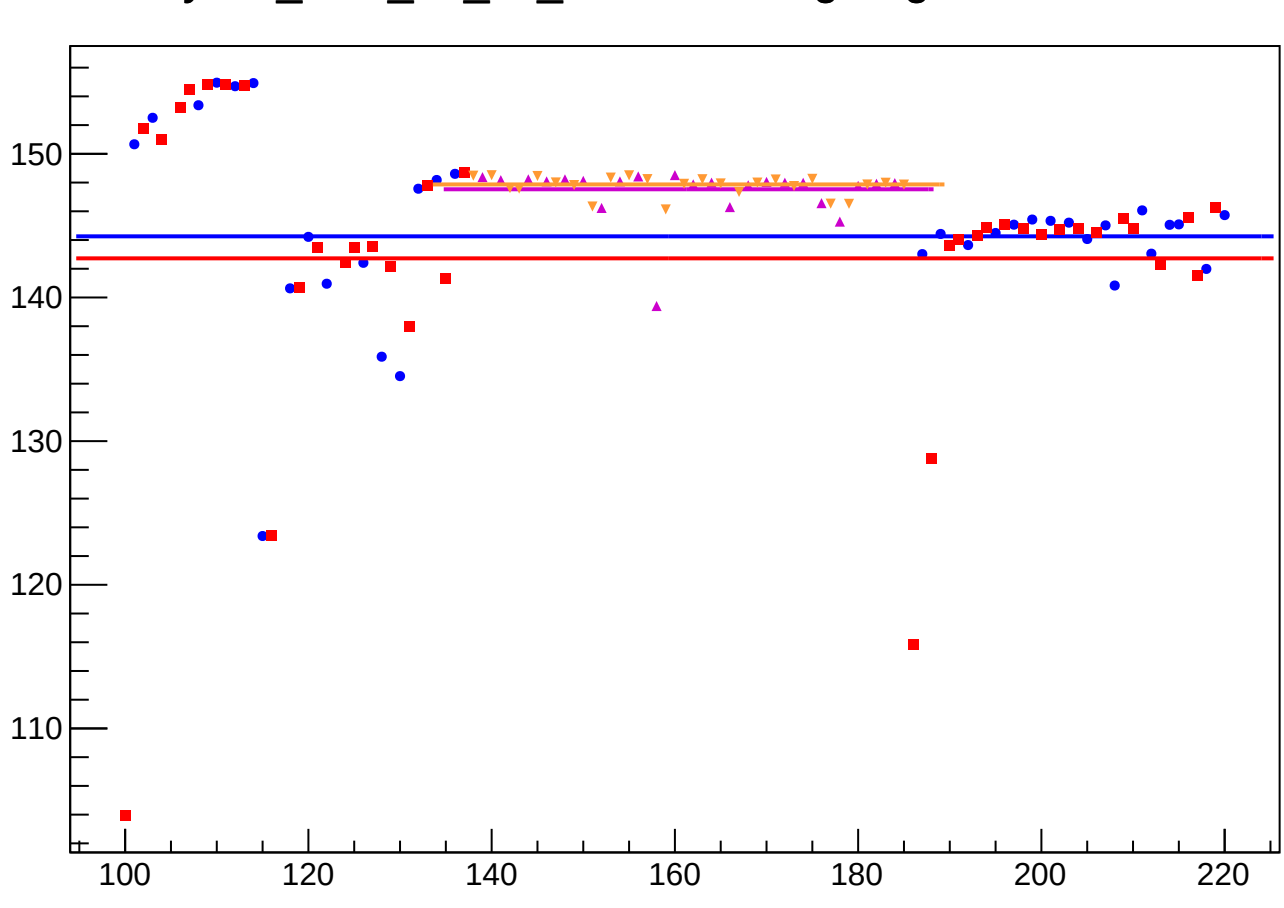
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5293.081+/-0.595 χ^2/NDF: 304951.5/69

In: 5046.138+/-0.589 χ^2/NDF:493661.6/55

Out: 5009.424+/-0.573 χ^2/NDF:408181.1/61

All: 5027.272+/-0.410 χ^2/NDF: 903841.8/117



Right In: 144.257+/-0.000 χ^2/NDF: 3836860563.8/32

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.724+/-0.000 χ^2/NDF: 7597949626.3/36

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

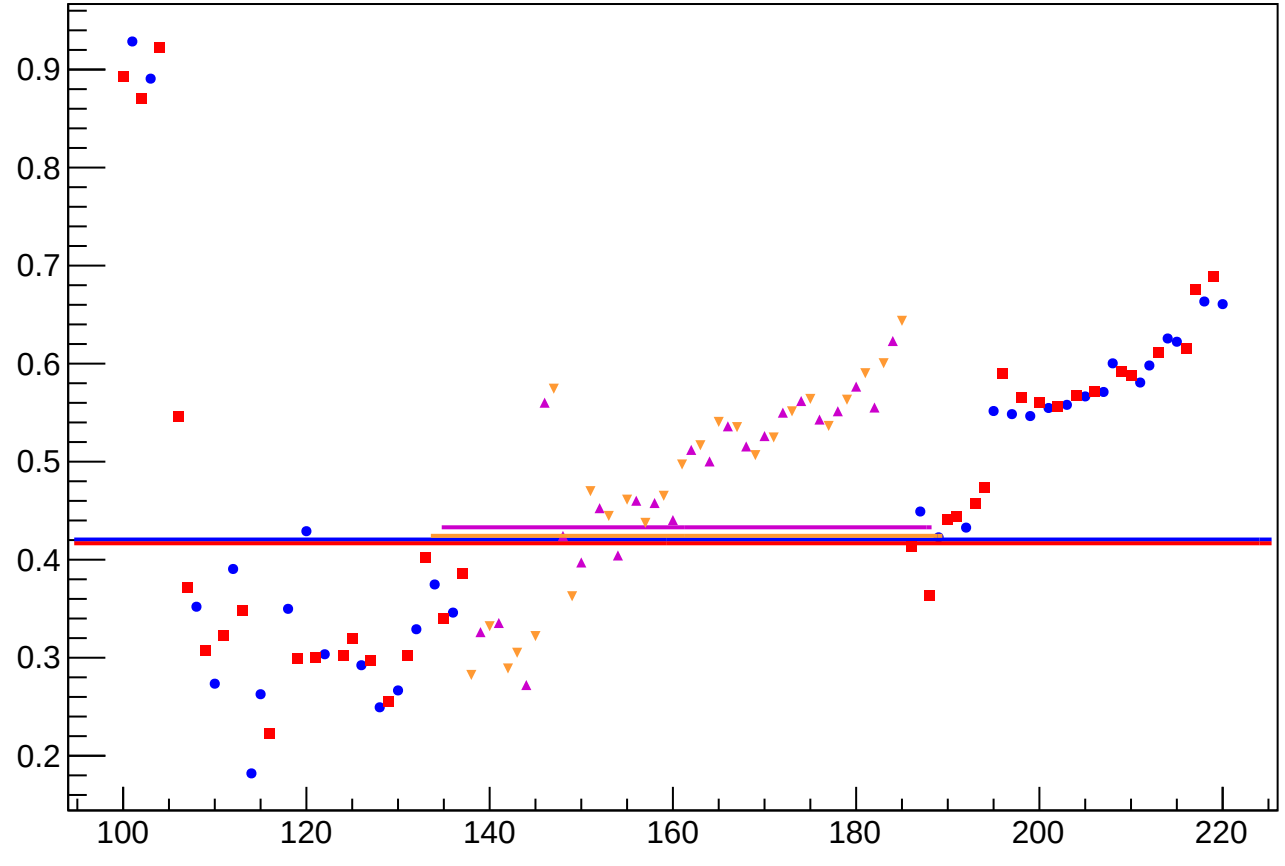
Right: 143.471+/-0.000 χ^2/NDF: 11555742608.0/69

In: 145.805+/-0.000 χ^2/NDF:4652646740.5/55

Out: 145.200+/-0.000 χ^2/NDF:8988462088.6/61

All: 145.492+/-0.000 χ^2/NDF: 13677129974.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.421+/-0.000 χ^2/NDF: 4486379.1/32

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.417+/-0.000 χ^2/NDF: 4191304.9/36

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

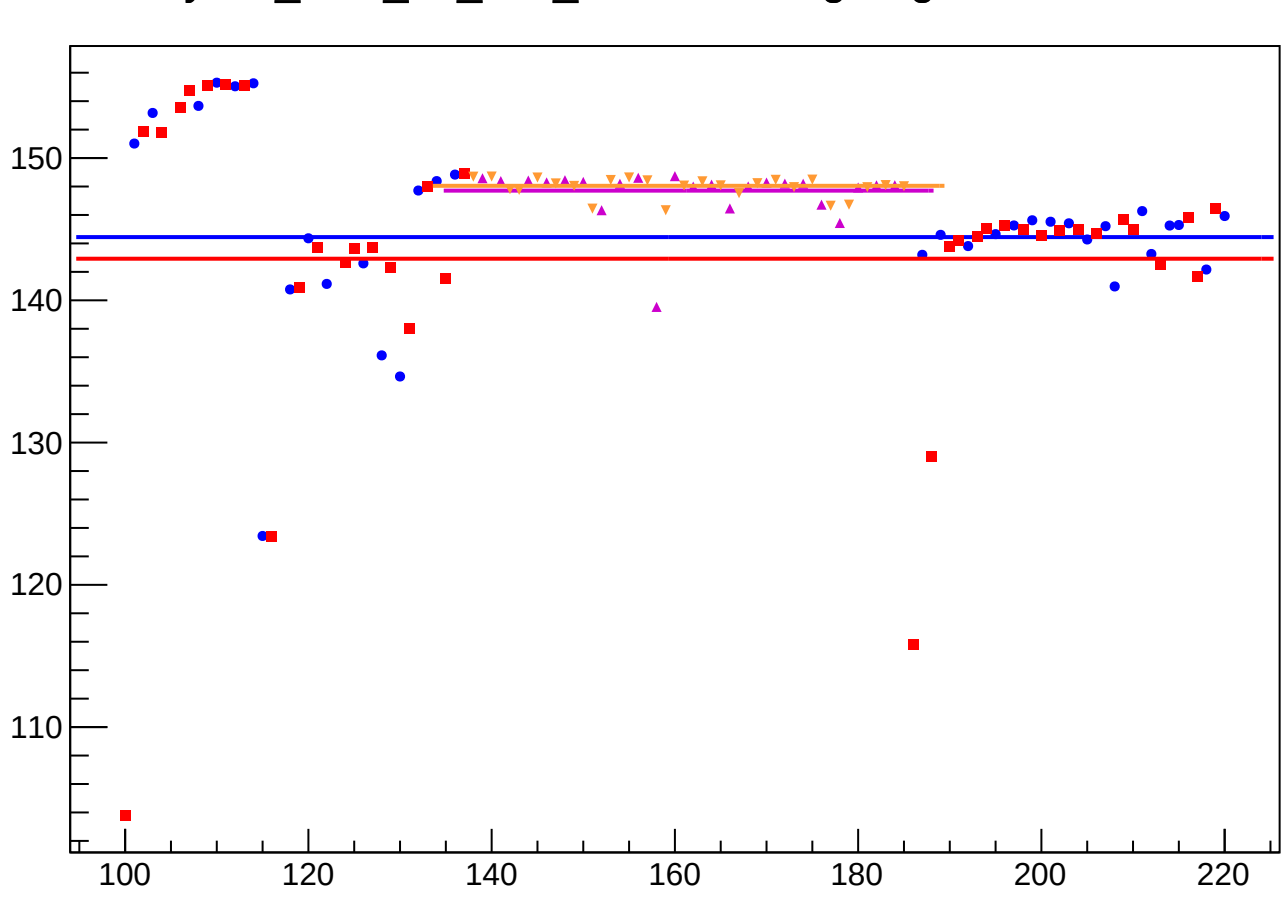
Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

Right: 0.419+/-0.000 χ^2/NDF: 8679202.1/69

In: 0.426+/-0.000 χ^2/NDF:6272294.0/55

Out: 0.420+/-0.000 χ^2/NDF:6457948.1/61

All: 0.423+/-0.000 χ^2/NDF: 12737487.5/117



Right In: 144.444+/-0.000 χ^2/NDF: 3831267810.6/32

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.925+/-0.000 χ^2/NDF: 7531789705.8/36

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

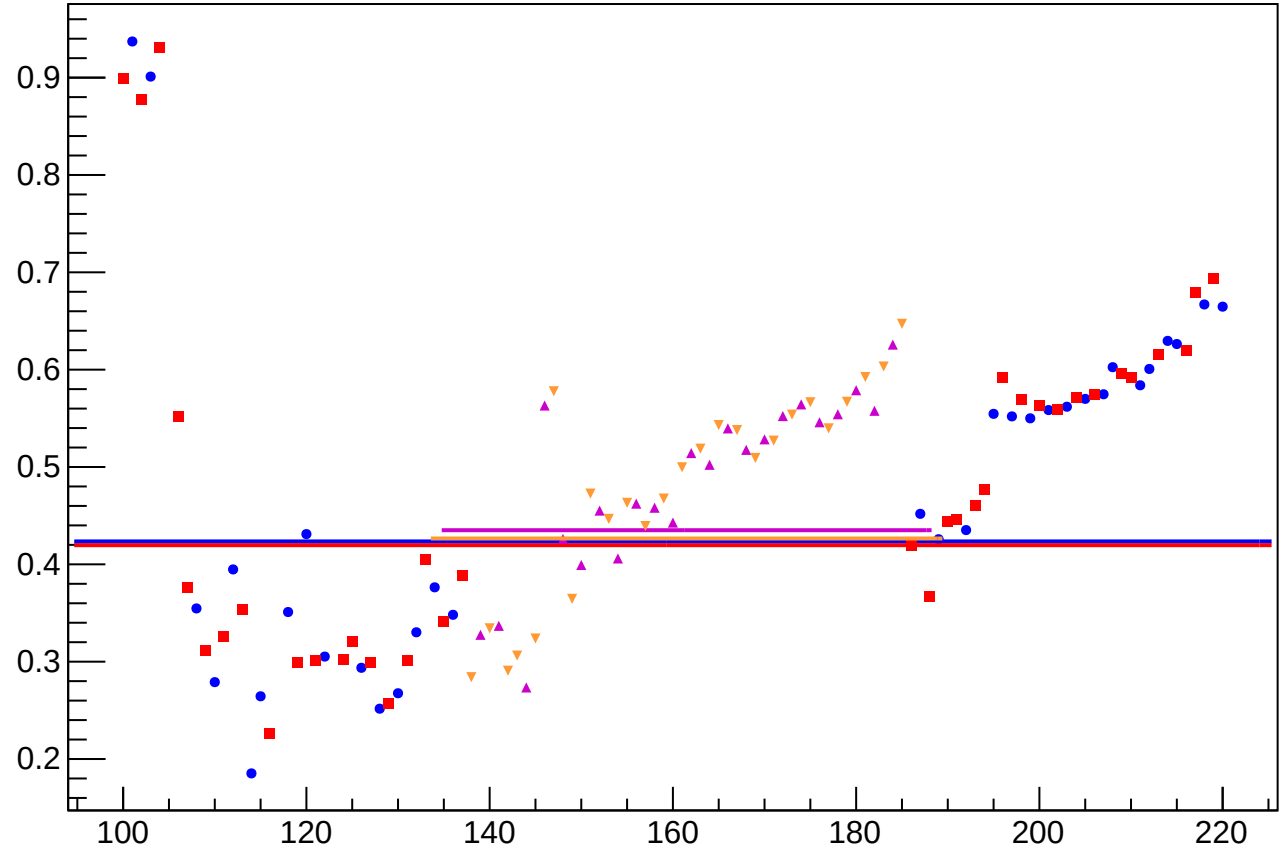
Right: 143.665+/-0.000 χ^2/NDF: 11480321425.2/69

In: 145.992+/-0.000 χ^2/NDF:4643328979.5/55

Out: 145.395+/-0.000 χ^2/NDF:8895826552.8/61

All: 145.683+/-0.000 χ^2/NDF: 13573783323.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.424+/-0.000 χ^2/NDF: 4466928.1/32

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.420+/-0.000 χ^2/NDF: 4180624.7/36

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

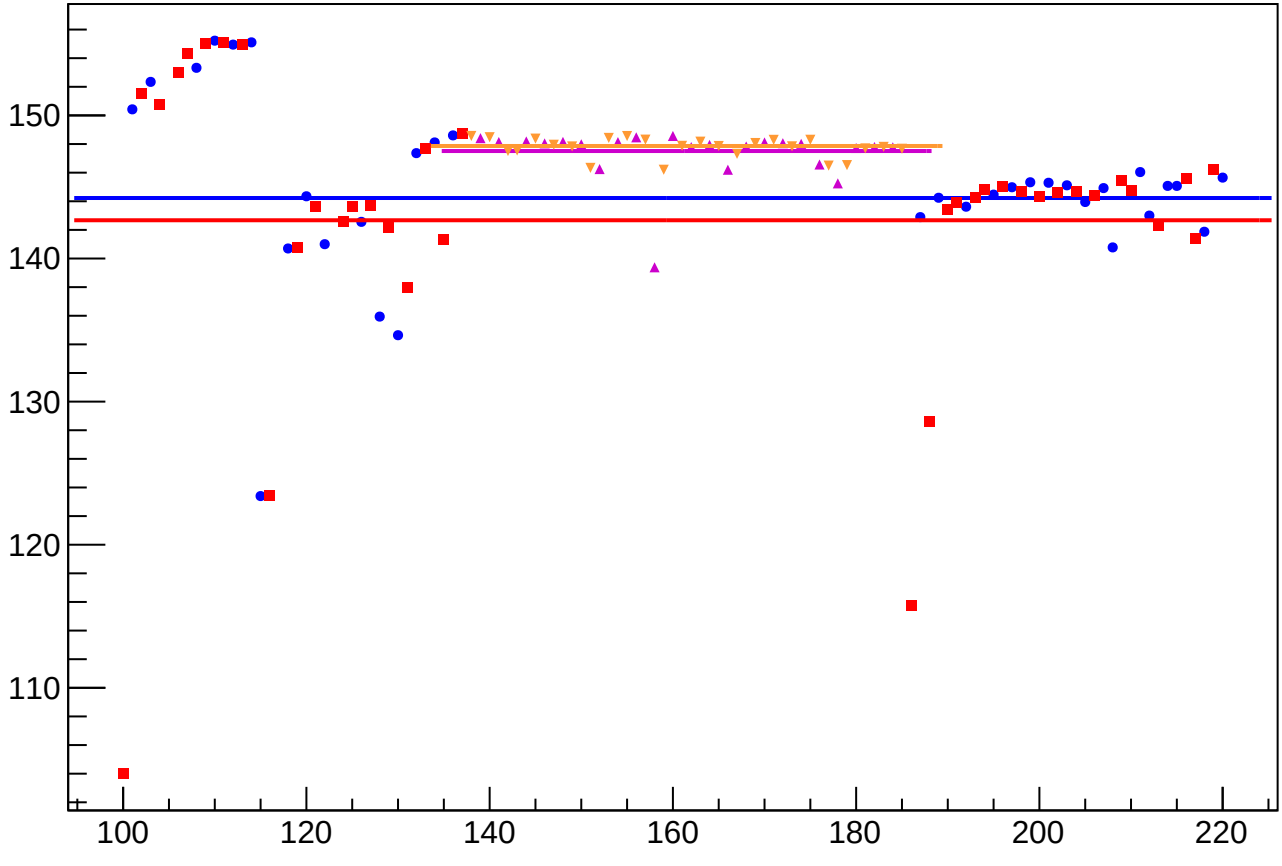
Right: 0.422+/-0.000 χ^2/NDF: 8649053.4/69

In: 0.429+/-0.000 χ^2/NDF:6249102.5/55

Out: 0.423+/-0.000 χ^2/NDF:6442857.0/61

All: 0.426+/-0.000 χ^2/NDF: 12698943.9/117

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.229+/-0.000 χ^2/NDF: 3796201532.2/32

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

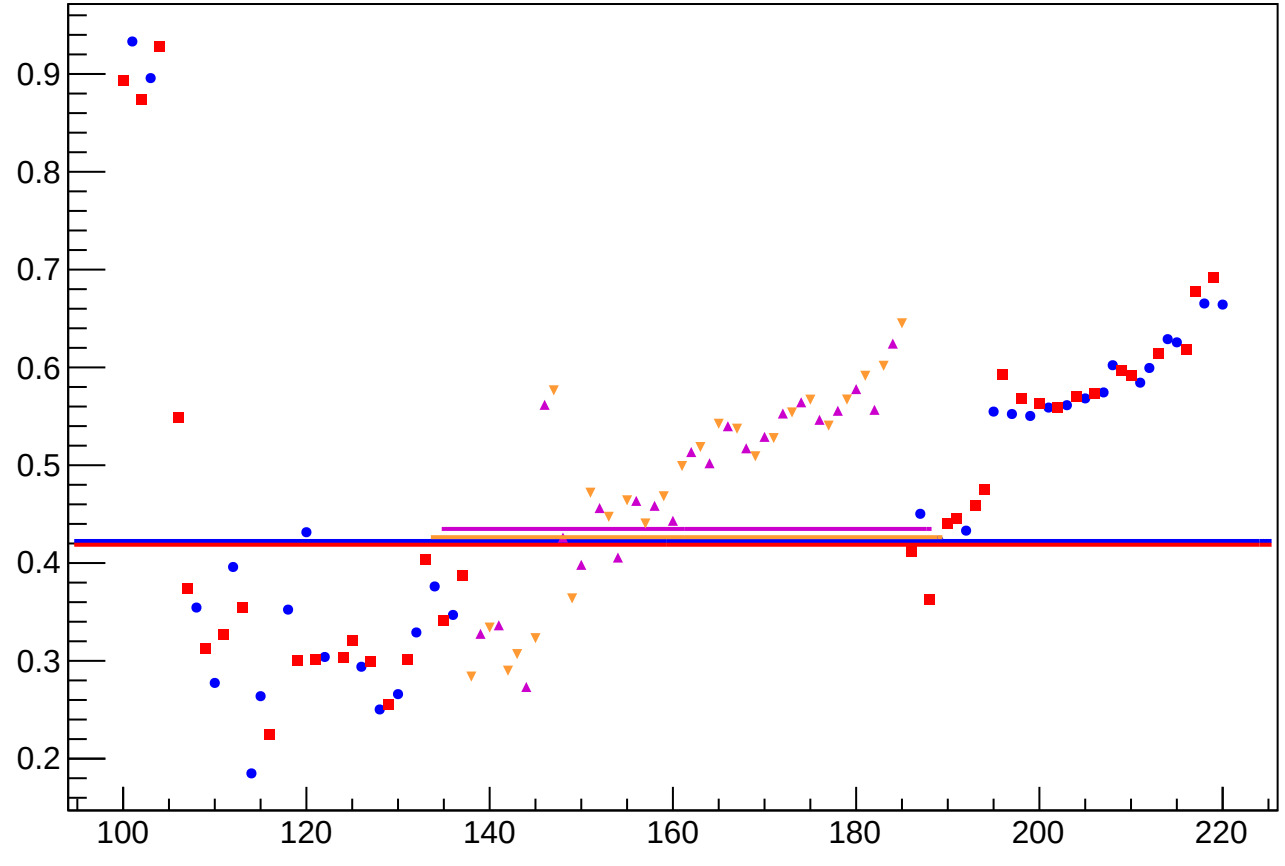
Right: 143.431+/-0.000 χ^2/NDF: 11542330204.5/69

In: 145.781+/-0.000 χ^2/NDF:4609062708.7/55

Out: 145.170+/-0.000 χ^2/NDF:9024309702.8/61

All: 145.465+/-0.000 χ^2/NDF: 13669728619.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.423+/-0.000 χ^2/NDF: 4486936.9/32

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

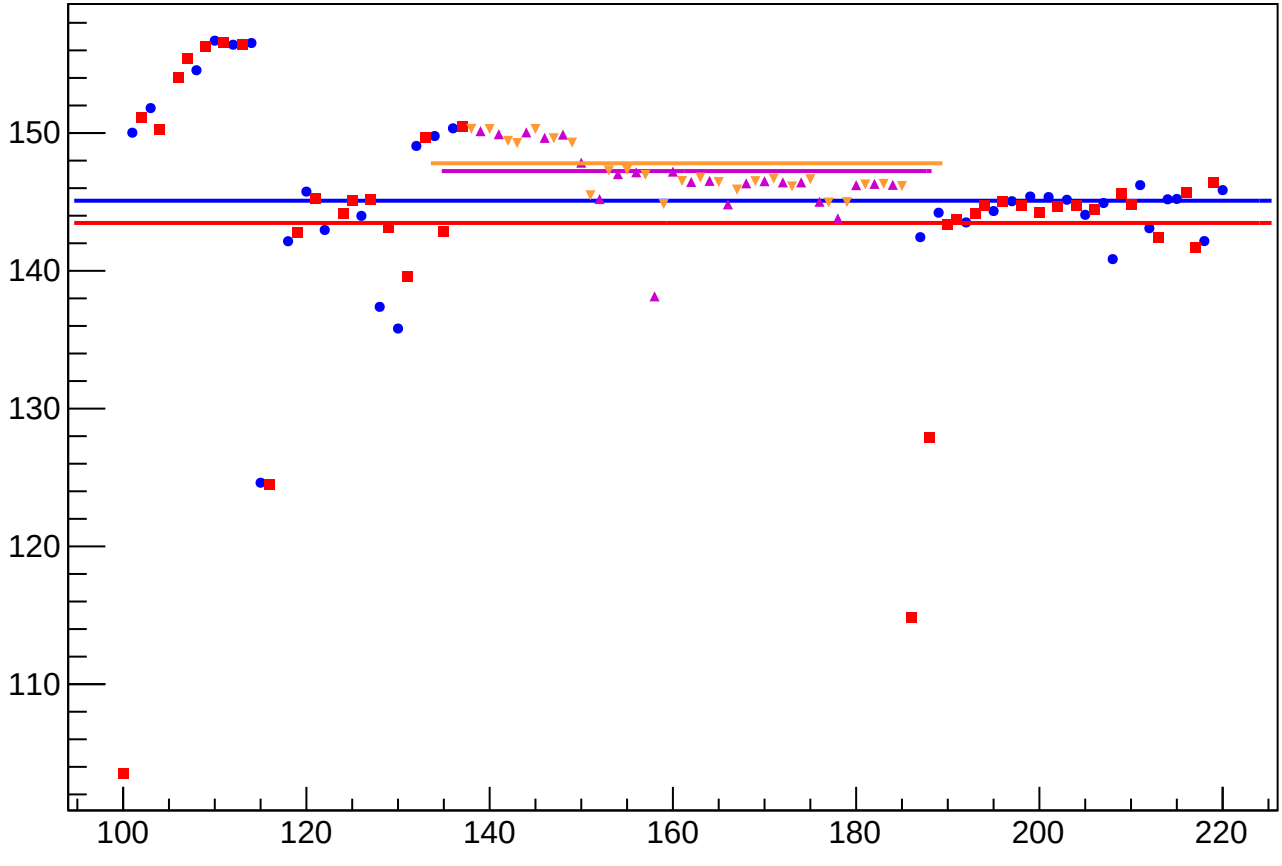
Right: 0.421+/-0.000 χ^2/NDF: 8671830.4/69

In: 0.428+/-0.000 χ^2/NDF:6276110.6/55

Out: 0.422+/-0.000 χ^2/NDF:6448564.9/61

All: 0.425+/-0.000 χ^2/NDF: 12731601.5/117

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.088+/-0.000 χ^2/NDF: 3590466644.7/32

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.475+/-0.000 χ^2/NDF: 7662965360.5/36

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

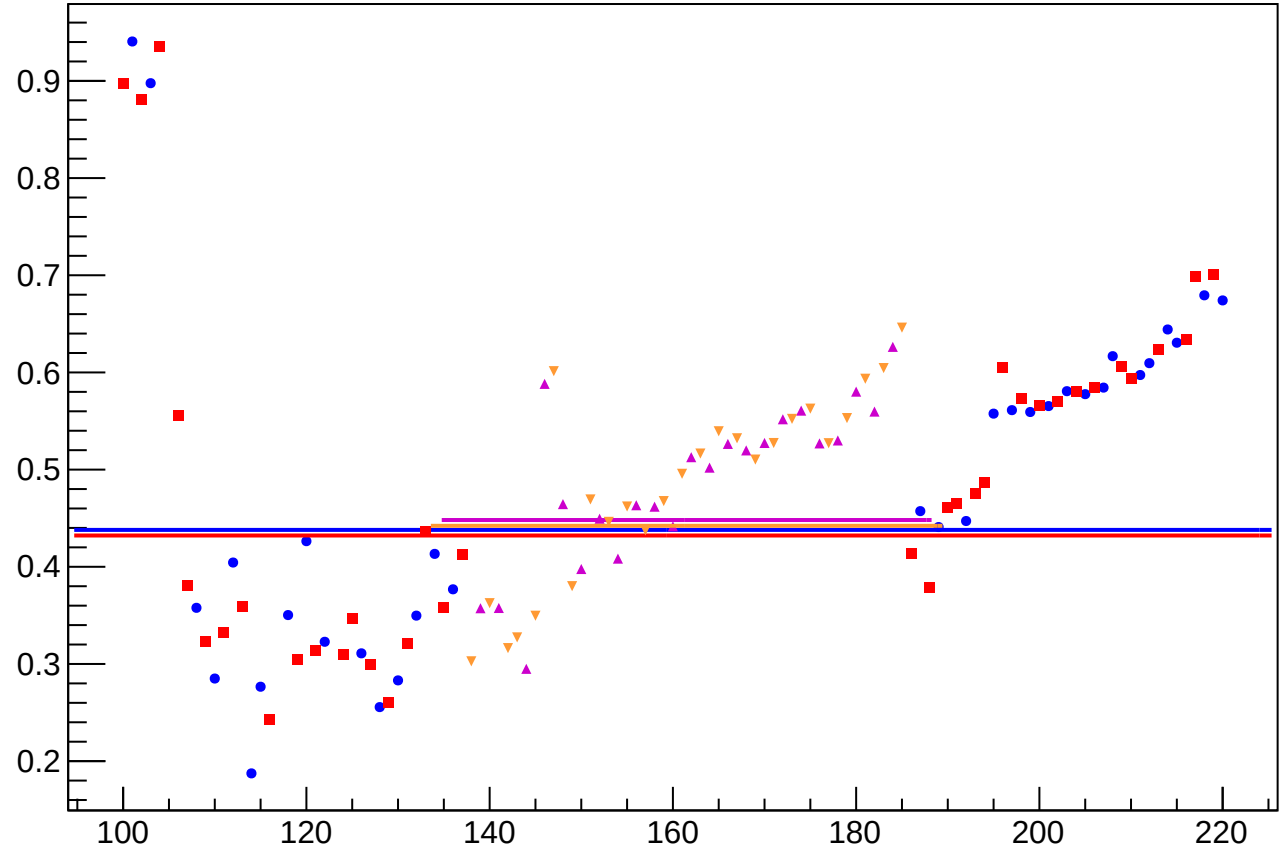
Right: 144.258+/-0.000 χ^2/NDF: 11377917526.2/69

In: 146.117+/-0.000 χ^2/NDF:4414927498.6/55

Out: 145.559+/-0.000 χ^2/NDF:8879046621.6/61

All: 145.829+/-0.000 χ^2/NDF: 13322577712.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.438+/-0.000 χ^2/NDF: 4227728.8/32

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.432+/-0.000 χ^2/NDF: 3983957.8/36

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

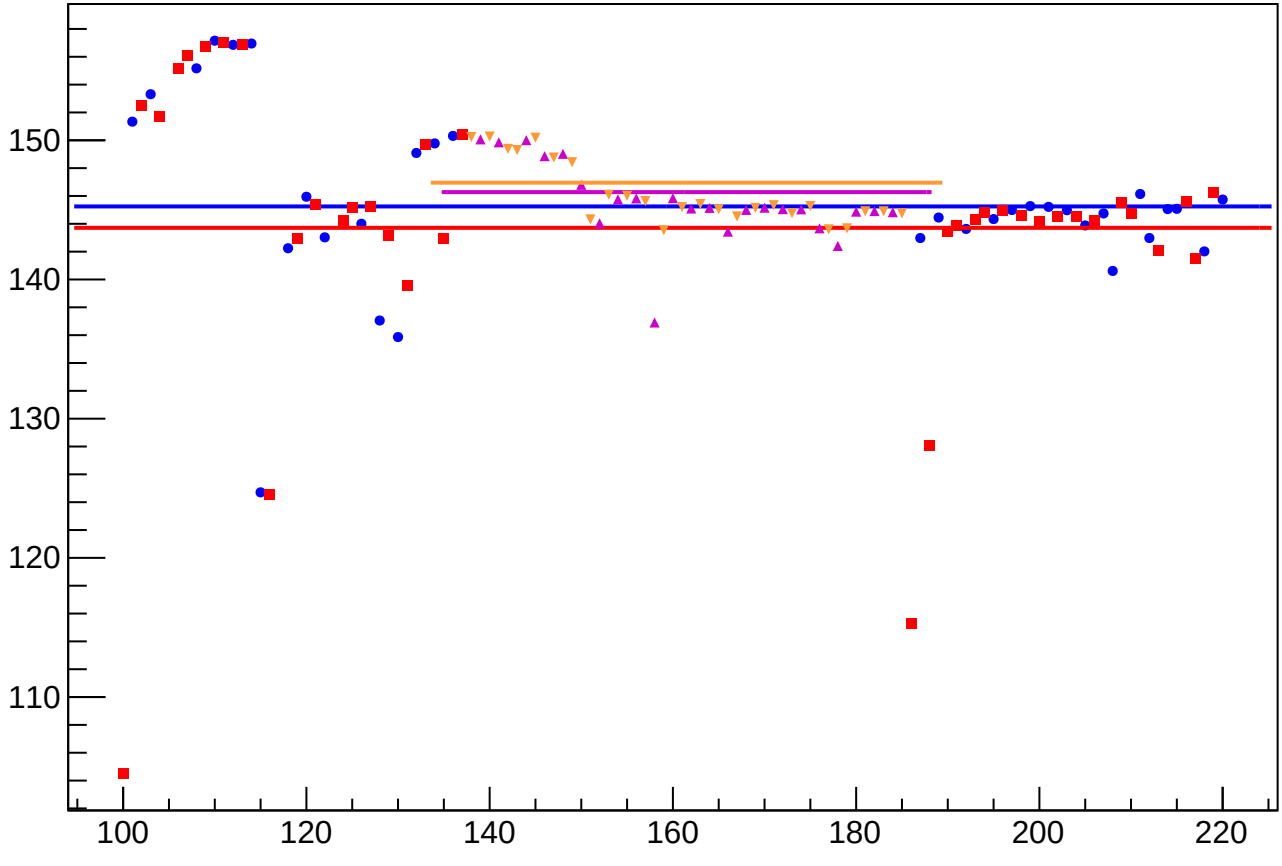
Right: 0.435+/-0.000 χ^2/NDF: 8214868.4/69

In: 0.443+/-0.000 χ^2/NDF:5584725.9/55

Out: 0.437+/-0.000 χ^2/NDF:5697599.9/61

All: 0.440+/-0.000 χ^2/NDF: 11288564.2/117

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.248+/-0.000 χ^2/NDF: 3754681594.4/32

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.712+/-0.000 χ^2/NDF: 7715666536.1/36

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

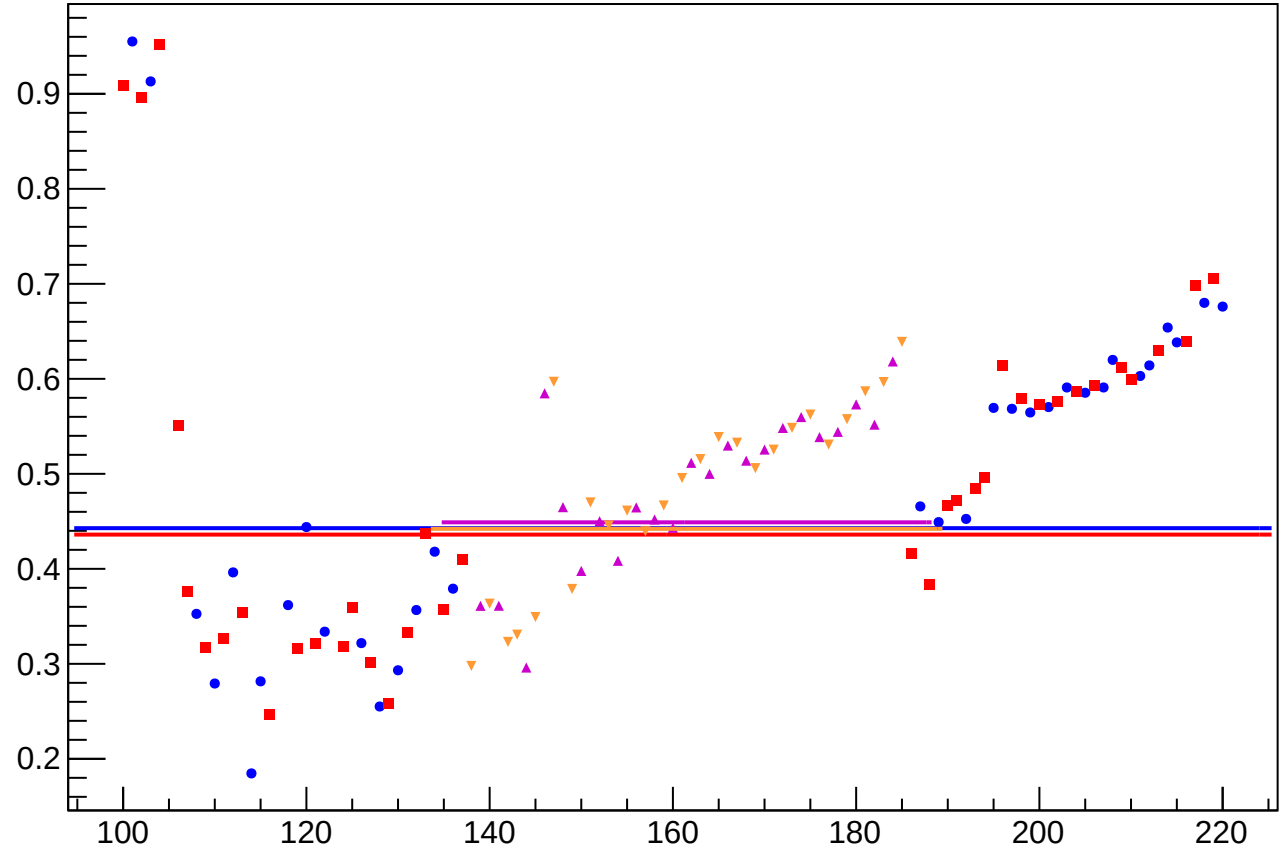
Right: 144.456+/-0.000 χ^2/NDF: 11580754226.3/69

In: 145.745+/-0.000 χ^2/NDF:4626325544.3/55

Out: 145.289+/-0.000 χ^2/NDF:8752792651.0/61

All: 145.510+/-0.000 χ^2/NDF: 13397987484.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.443+/-0.000 χ^2/NDF: 4246780.1/32

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.436+/-0.000 χ^2/NDF: 4002575.8/36

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

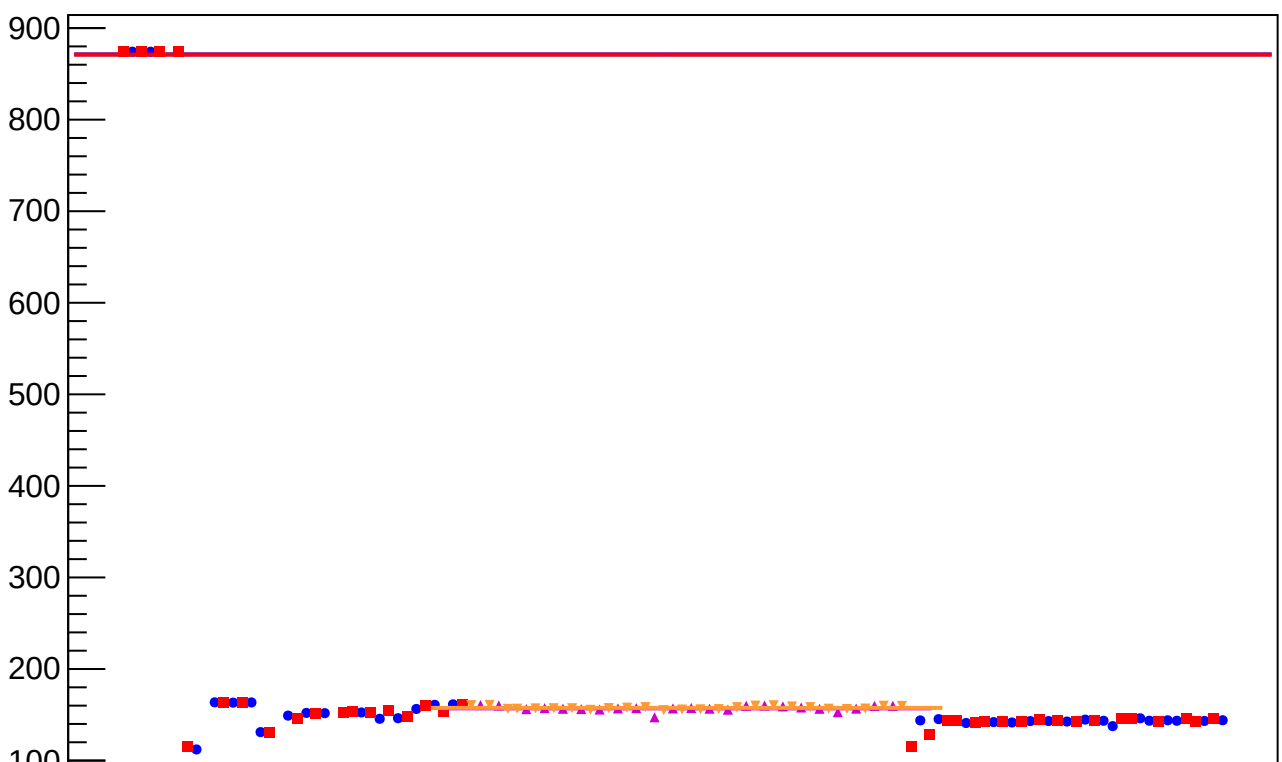
Right: 0.439+/-0.000 χ^2/NDF: 8253635.6/69

In: 0.446+/-0.000 χ^2/NDF:5550754.8/55

Out: 0.439+/-0.000 χ^2/NDF:5682729.8/61

All: 0.442+/-0.000 χ^2/NDF: 11241825.1/117

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 871.275+/-0.000 χ^2/NDF: 15238043513711.6/32

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.053+/-0.000 χ^2/NDF: 18919595986121.8/36

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

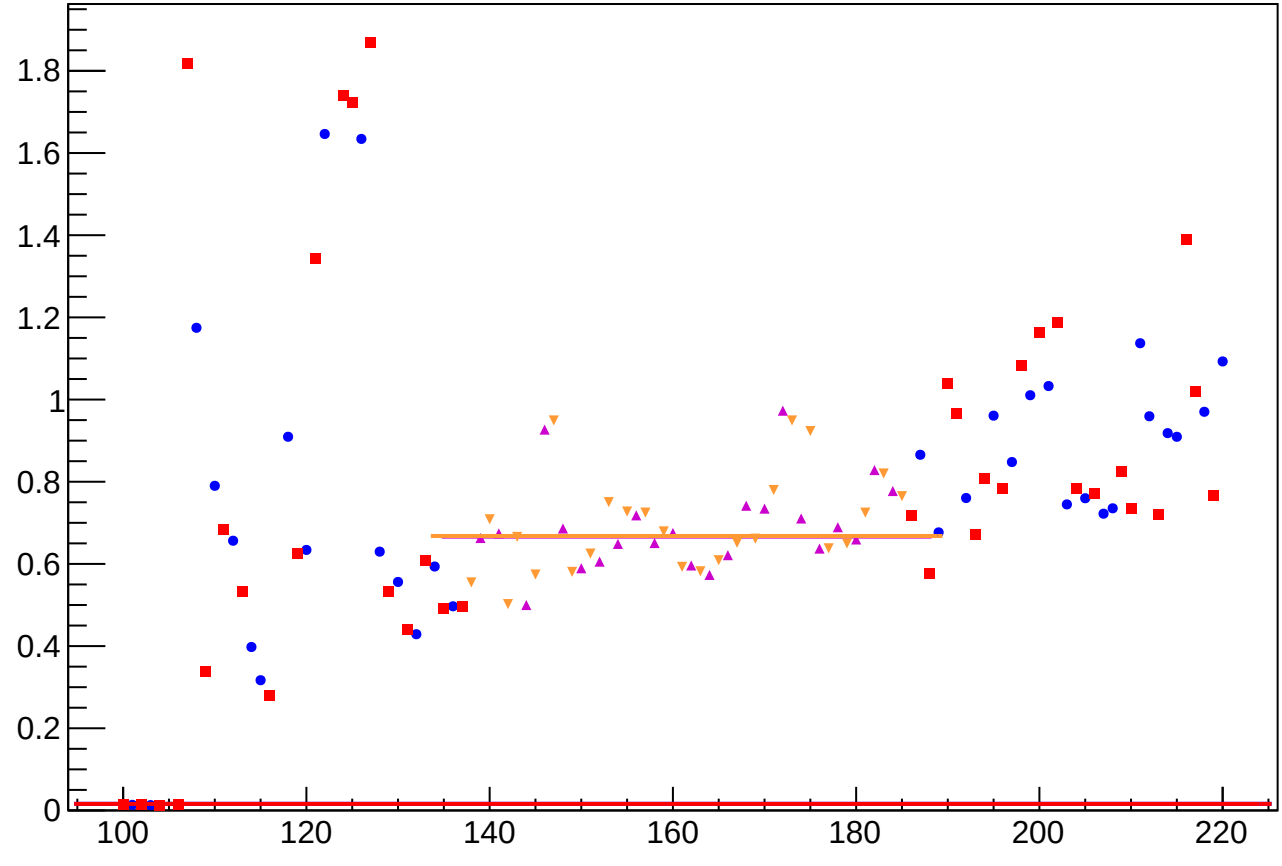
Right: 871.156+/-0.000 χ^2/NDF: 34157827896220.

In: 868.047+/-0.000 χ^2/NDF:31697540615123.7/

Out: 868.126+/-0.000 χ^2/NDF:36096379815637.6

All: 868.090+/-0.000 χ^2/NDF: 677939445714

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 31299324.9/32

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 32746210.8/36

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

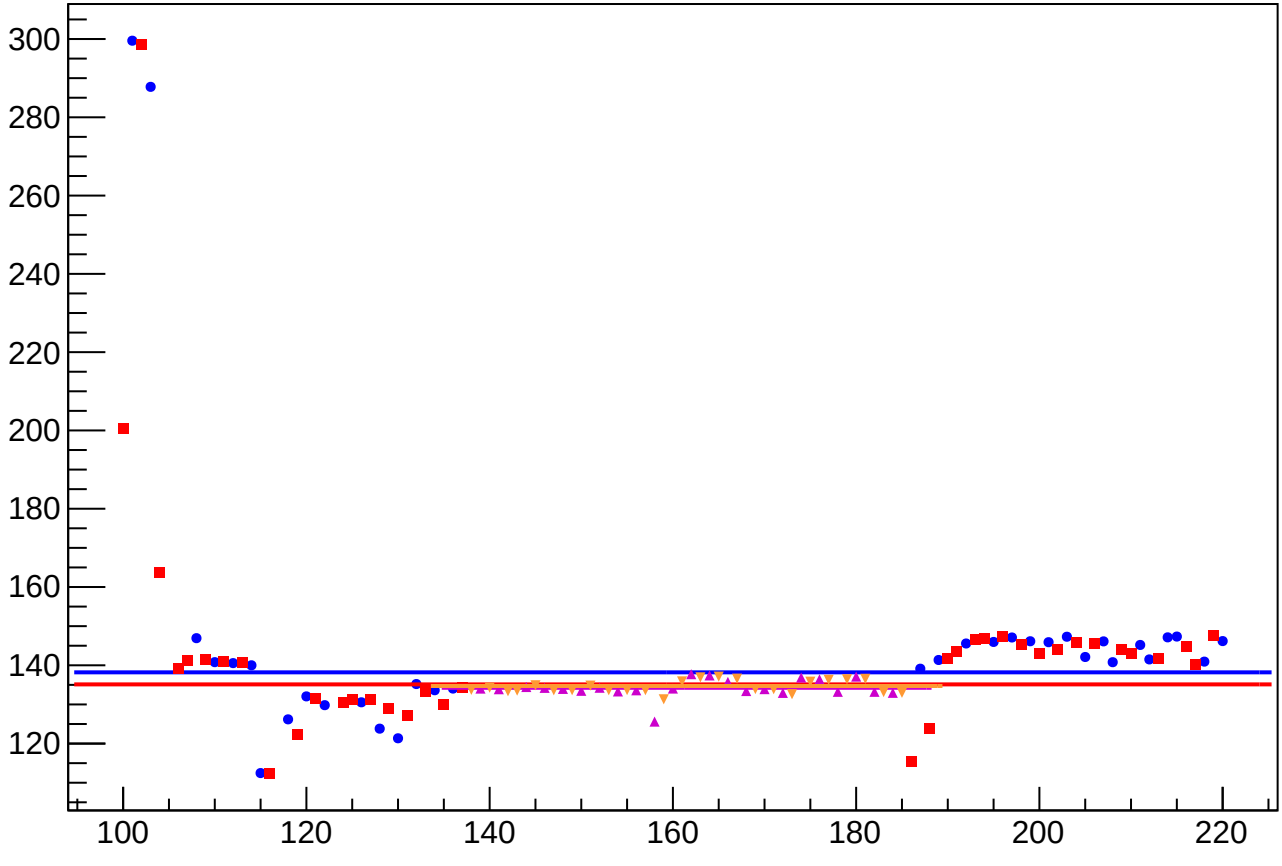
Right: 0.016+/-0.000 χ^2/NDF: 64045788.8/69

In: 0.019+/-0.000 χ^2/NDF:59122826.3/55

Out: 0.019+/-0.000 χ^2/NDF:62115480.5/61

All: 0.019+/-0.000 χ^2/NDF: 121239837.0/117

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 138.201+/-0.000 χ^2/NDF: 3791328398.8/32

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 135.123+/-0.000 χ^2/NDF: 5767866997.8/36

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

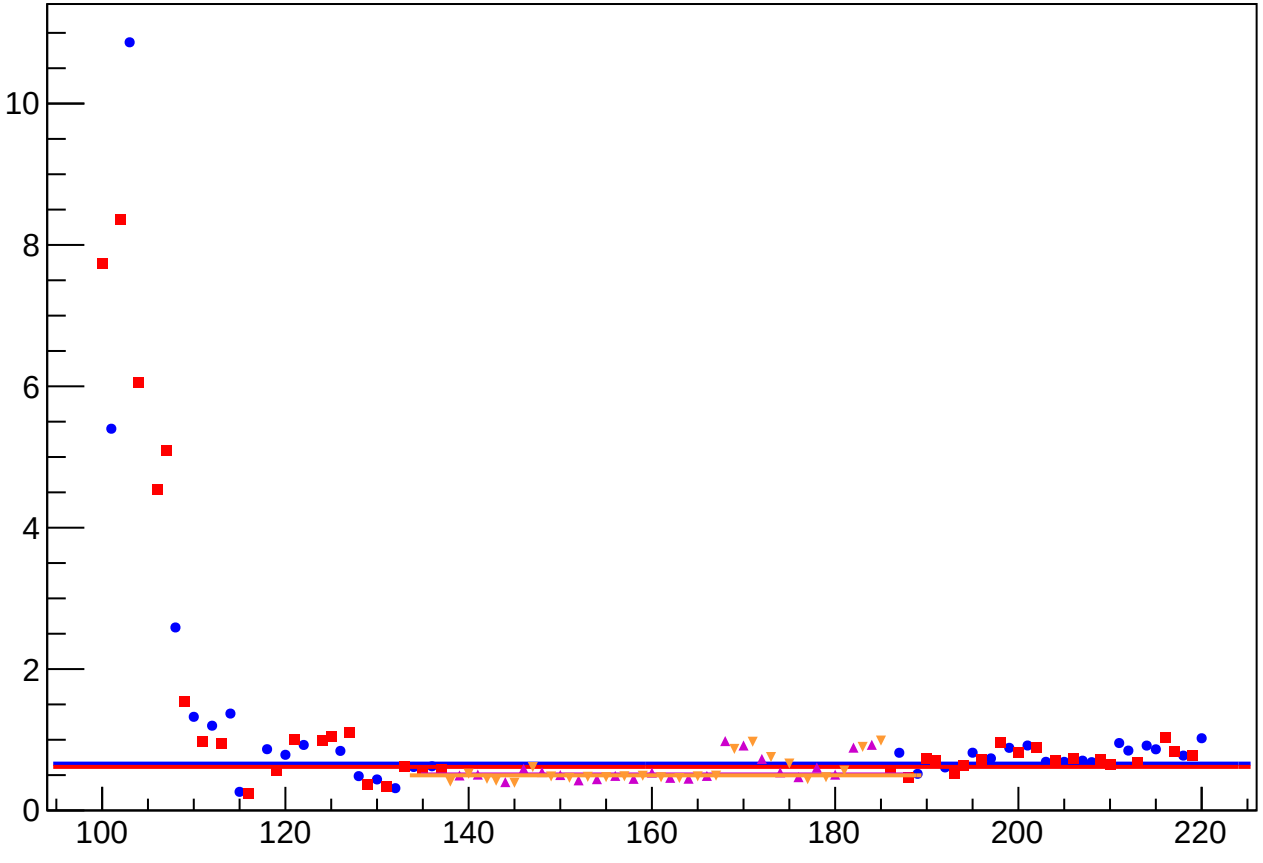
Right: 136.530+/-0.000 χ^2/NDF: 9731910145.7/69

In: 135.661+/-0.000 χ^2/NDF:4569908955.6/55

Out: 134.867+/-0.000 χ^2/NDF:5931949293.5/61

All: 135.239+/-0.000 χ^2/NDF: 10533450314.

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.663+/-0.000 χ^2/NDF: 5641267.2/32

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.616+/-0.000 χ^2/NDF: 6475041.4/36

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

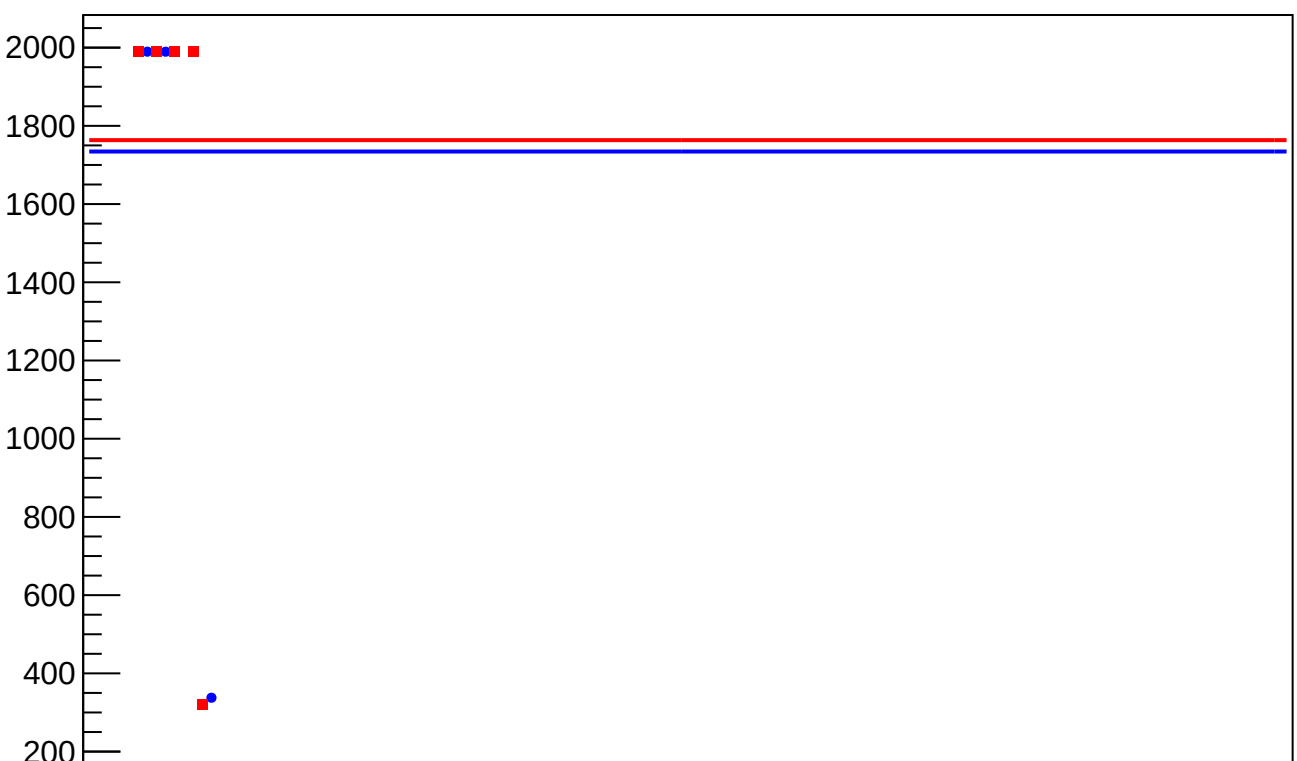
Right: 0.637+/-0.000 χ^2/NDF: 12194599.6/69

In: 0.564+/-0.000 χ^2/NDF:8138272.5/55

Out: 0.541+/-0.000 χ^2/NDF:8760028.2/61

All: 0.552+/-0.000 χ^2/NDF: 16950141.1/117

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1734.362+/-0.000 χ^2/NDF: 247859608334871.8/32

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1763.449+/-0.000 χ^2/NDF: 260530135647787.5/36

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

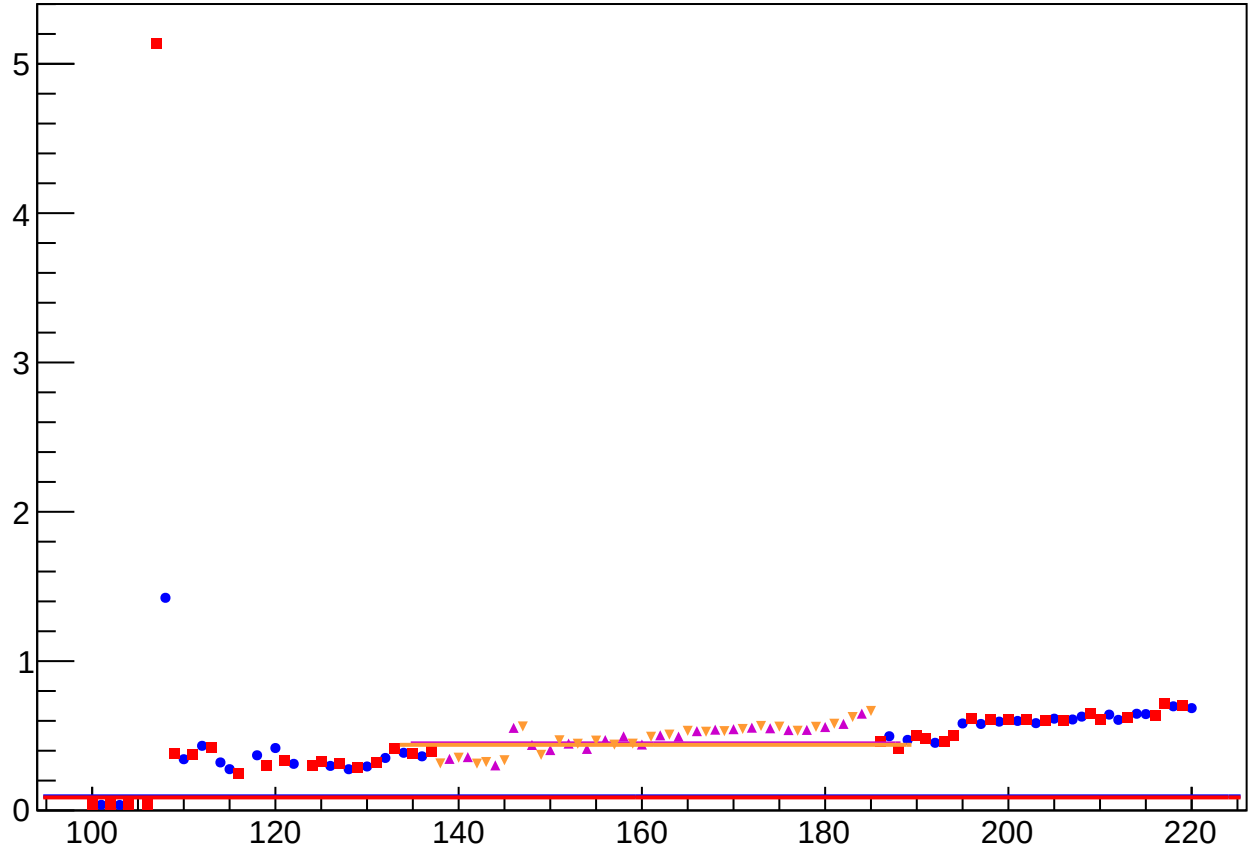
Right: 1750.009+/-0.000 χ^2/NDF: 5086665145595

In: 1538.758+/-0.000 χ^2/NDF:437830462950549.

Out: 1574.957+/-0.000 χ^2/NDF:477509190302745

All: 1558.164+/-0.000 χ^2/NDF: 9158264628

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.095+/-0.000 χ^2/NDF: 28273647.2/32

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.087+/-0.000 χ^2/NDF: 28647237.3/36

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

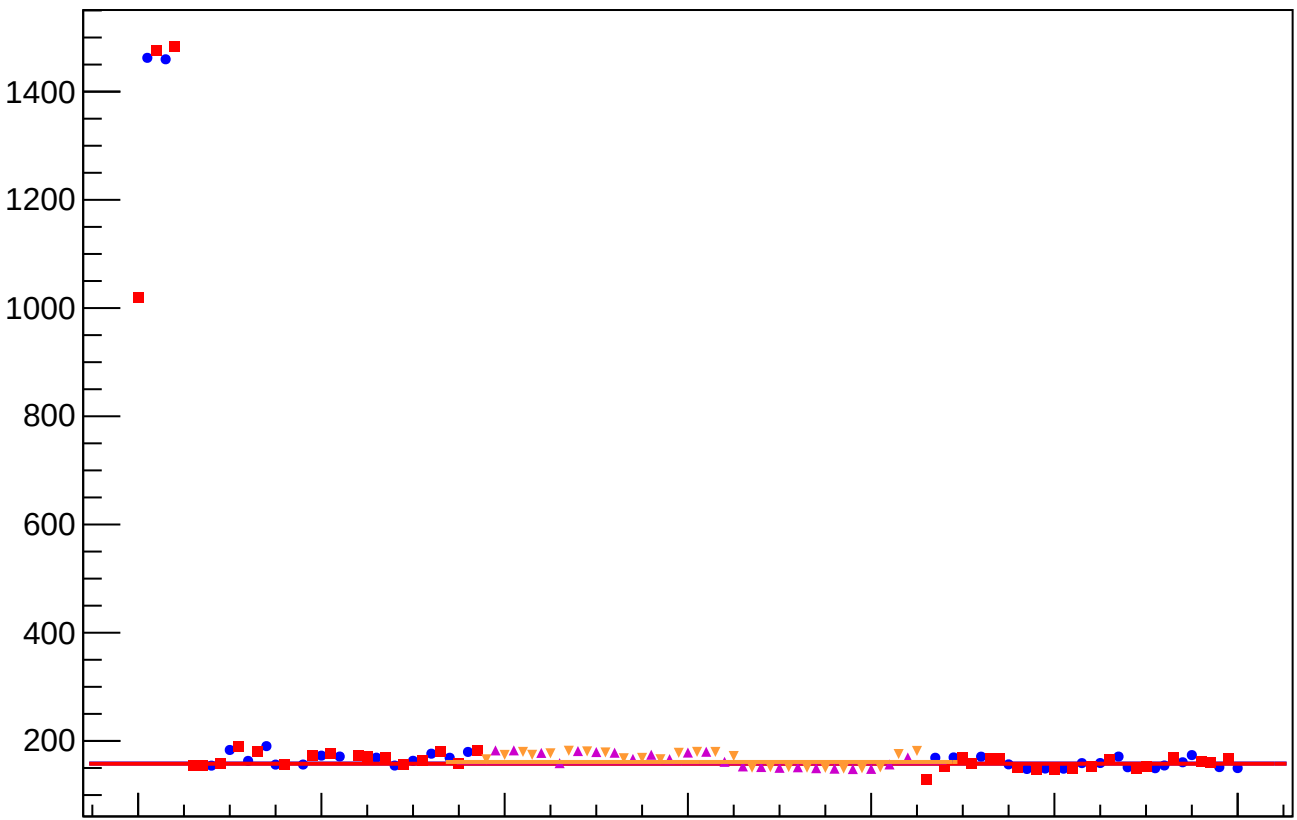
Right: 0.091+/-0.000 χ^2/NDF: 56955100.9/69

In: 0.138+/-0.000 χ^2/NDF:48356183.2/55

Out: 0.128+/-0.000 χ^2/NDF:50778526.2/61

All: 0.133+/-0.000 χ^2/NDF: 99206673.1/117

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 158.246+/-0.000 χ^2/NDF: 16170905200.2/32

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.883+/-0.000 χ^2/NDF: 18419583233.6/36

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

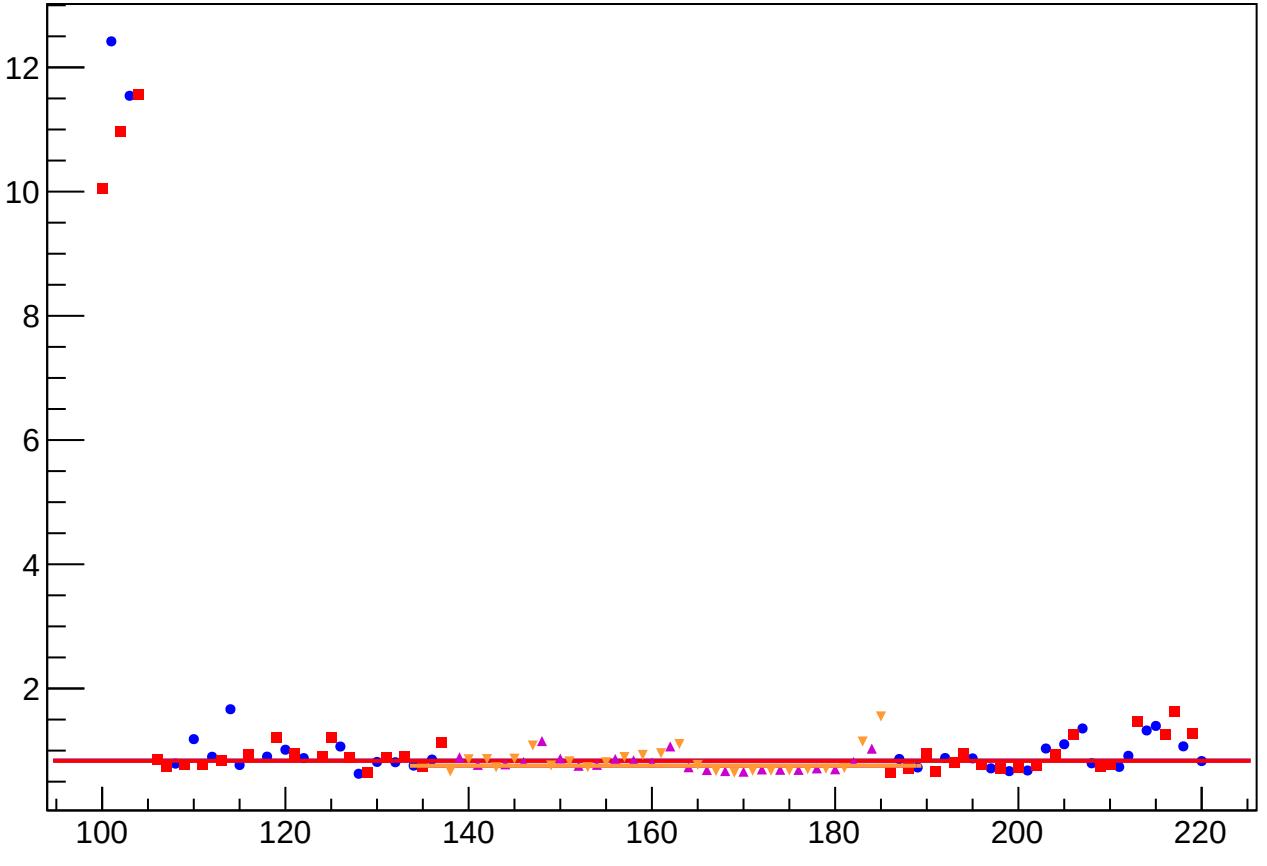
Right: 158.061+/-0.000 χ^2/NDF: 34591816623.2/69

In: 159.276+/-0.000 χ^2/NDF:19947902073.5/55

Out: 159.656+/-0.000 χ^2/NDF:22277988507.6/61

All: 159.470+/-0.000 χ^2/NDF: 42229093344.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.839+/-0.000 χ^2/NDF: 3302024.3/32

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.836+/-0.000 χ^2/NDF: 3390676.4/36

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

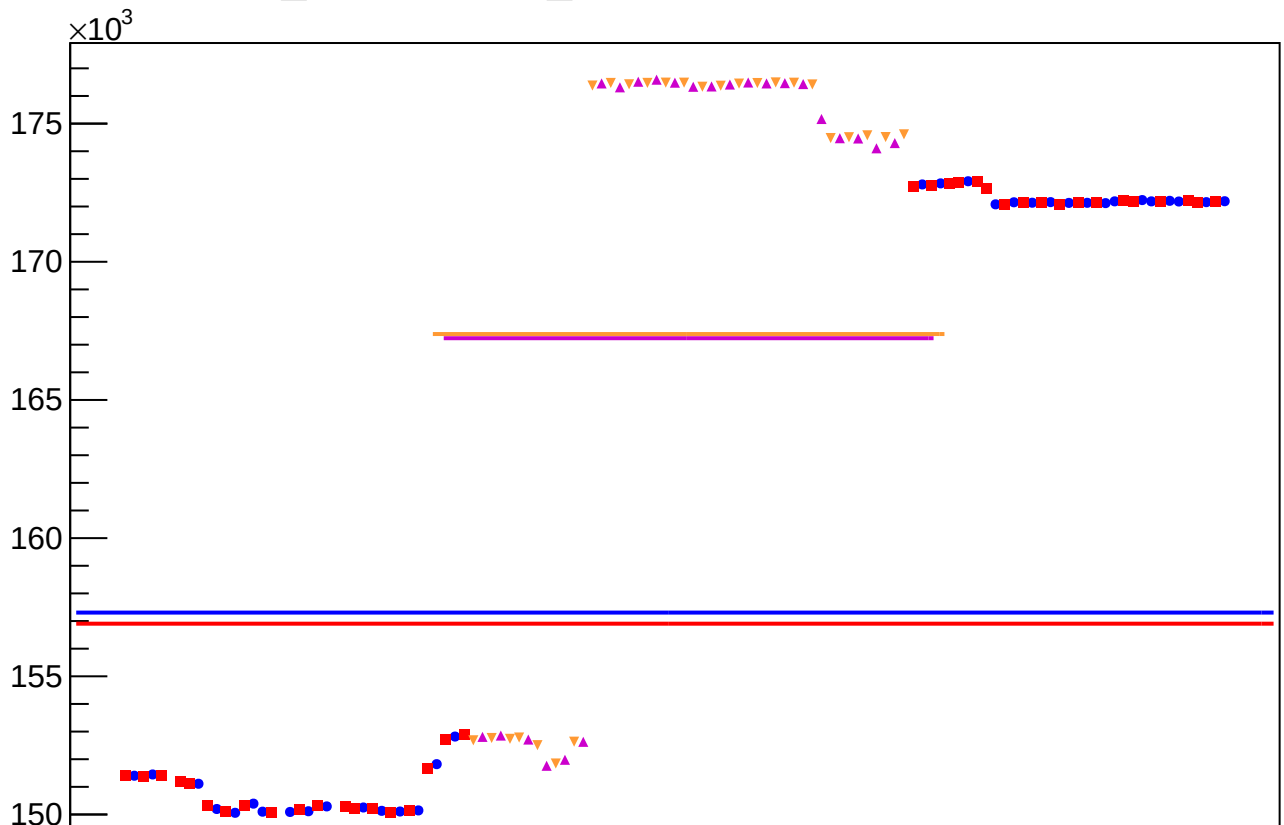
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.838+/-0.000 χ^2/NDF: 6692923.8/69

In: 0.794+/-0.000 χ^2/NDF:3926089.5/55

Out: 0.793+/-0.000 χ^2/NDF:4282995.3/61

All: 0.793+/-0.000 χ^2/NDF: 8209128.7/117



Right In: 157305.976+/-0.045 χ^2/NDF: 49264631676.4/32

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

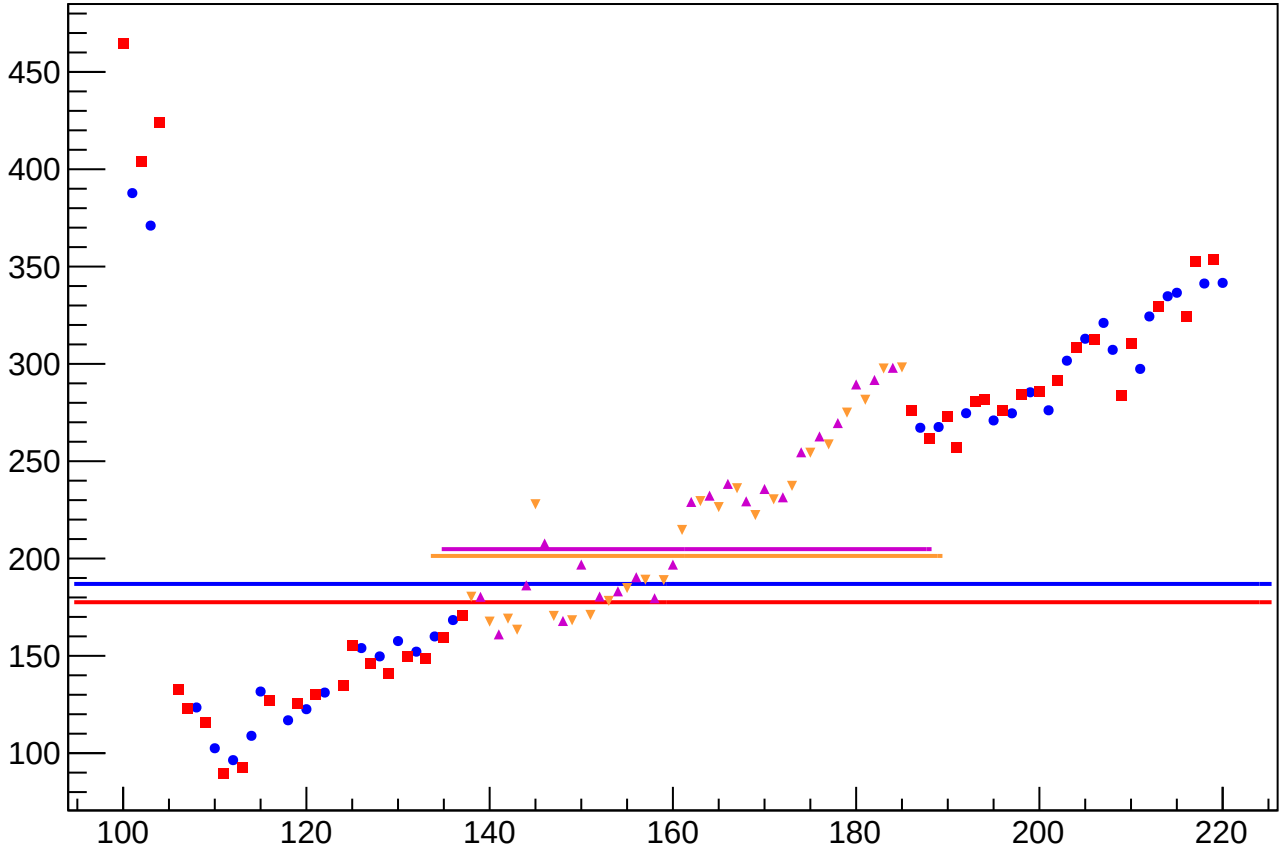
Right: 157094.157+/-0.031 χ^2/NDF: 102671512640

In: 161899.267+/-0.033 χ^2/NDF:126541391051.6

Out: 161700.257+/-0.032 χ^2/NDF:140252678430.

All: 161794.766+/-0.023 χ^2/NDF: 26681289

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 186.944+/-0.032 χ^2/NDF: 7245954.3/32

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

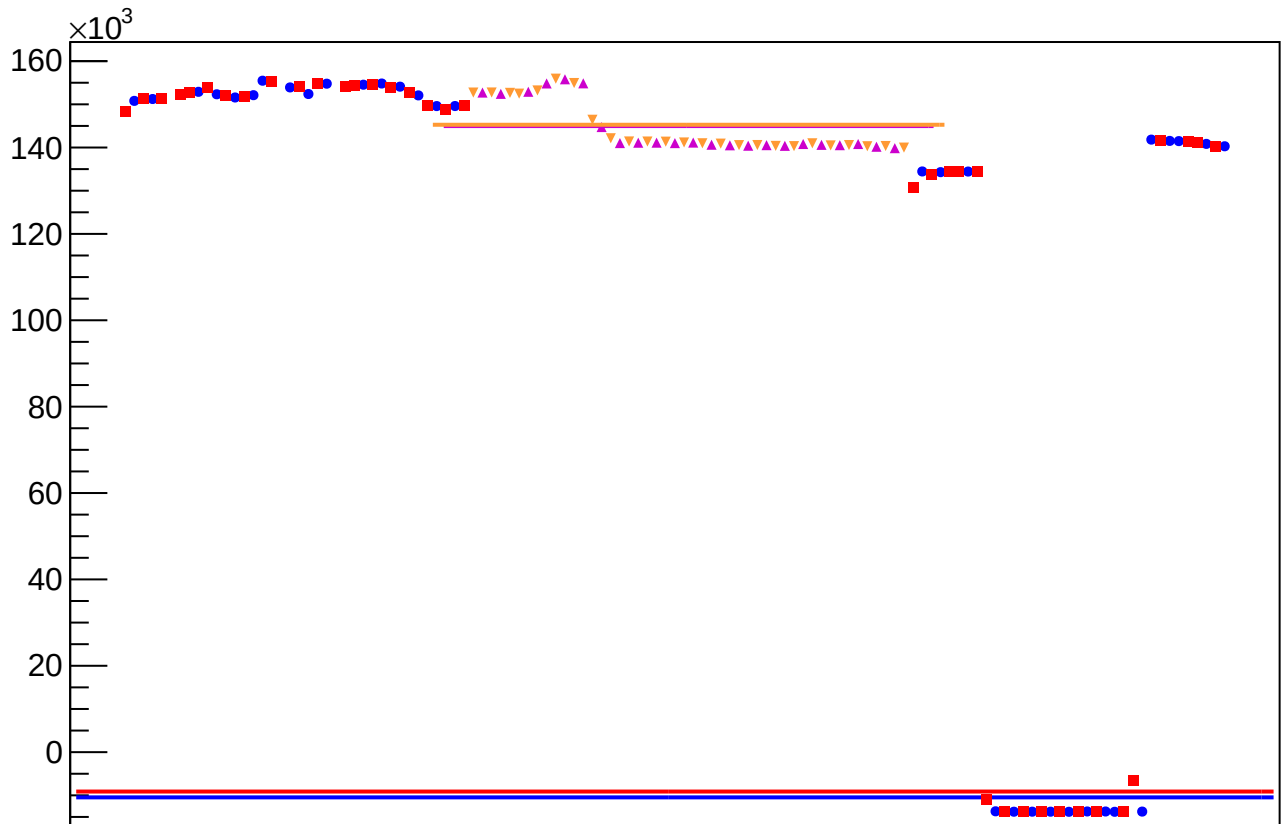
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 181.990+/-0.022 χ^2/NDF: 15312421.0/69

In: 195.217+/-0.024 χ^2/NDF:8442970.5/55

Out: 188.431+/-0.022 χ^2/NDF:9532694.0/61

All: 191.654+/-0.016 χ^2/NDF: 18019429.5/11



Right In: -10470.451+/-0.009 χ^2/NDF: 6876547847358.9/32

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

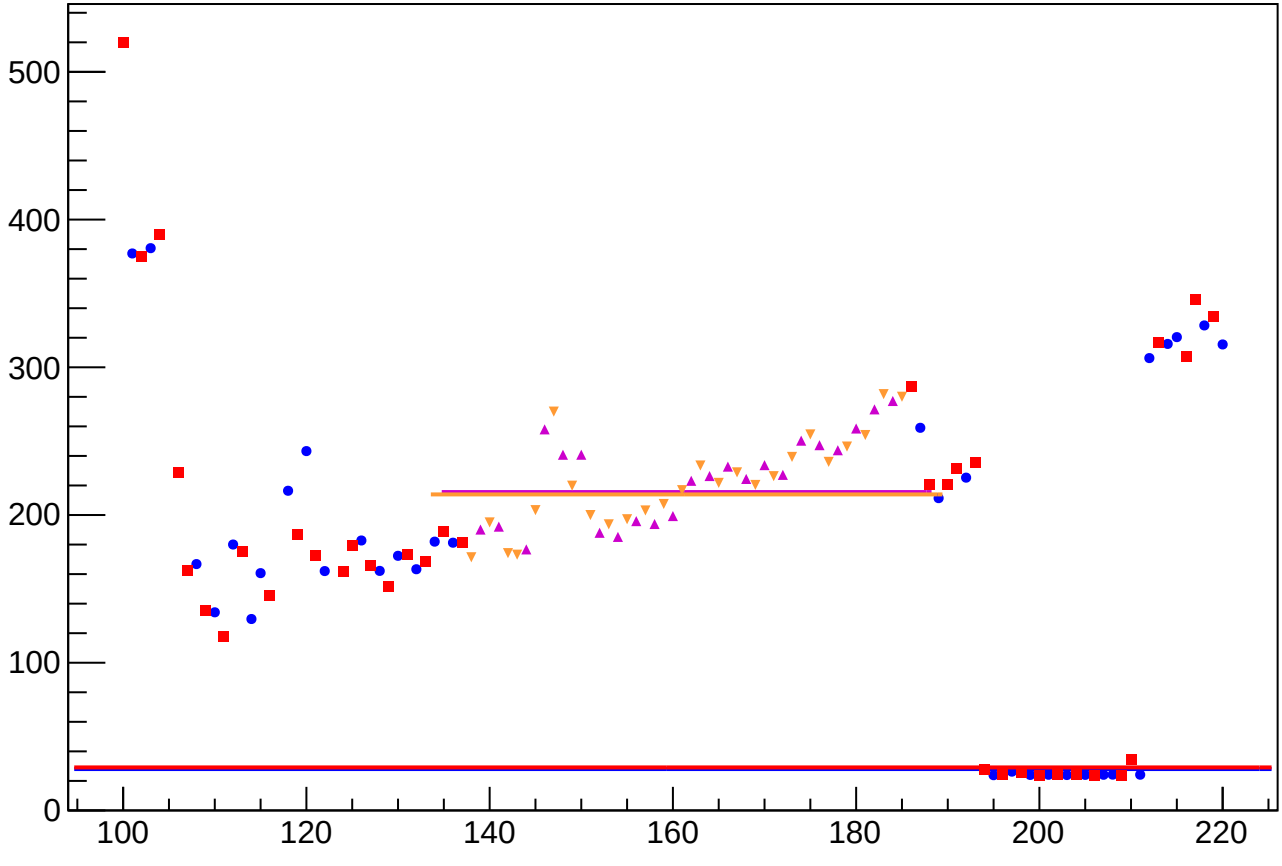
Right: -9842.489+/-0.006 χ^2/NDF: 1474061813768

In: -6075.562+/-0.009 χ^2/NDF:15844167036186.5

Out: -3752.186+/-0.009 χ^2/NDF:17299280929128

All: -4991.809+/-0.006 χ^2/NDF: 3317741392

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 28.034+/-0.006 χ^2/NDF: 19926291.7/32

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

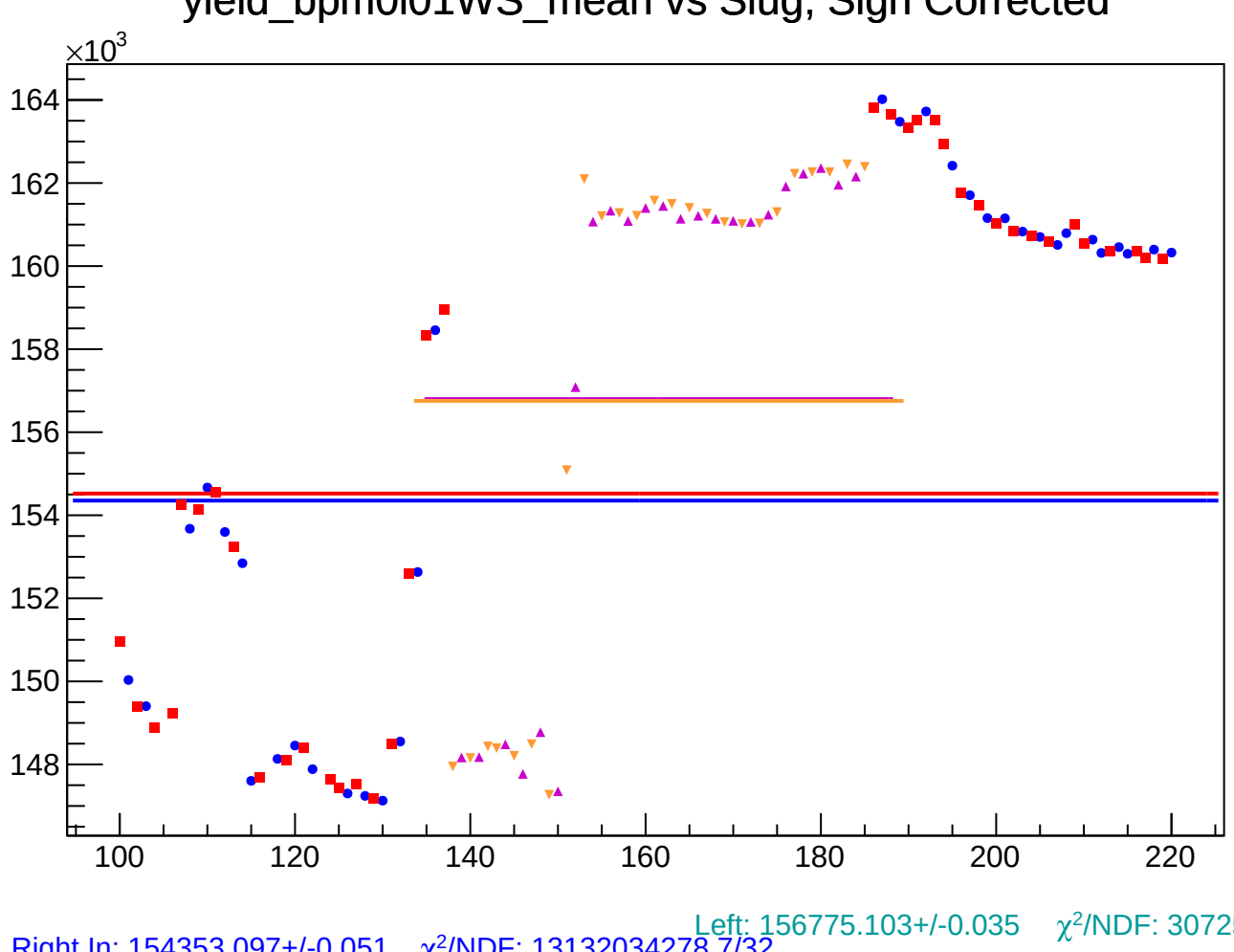
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.545+/-0.005 χ^2/NDF: 39989686.7/69

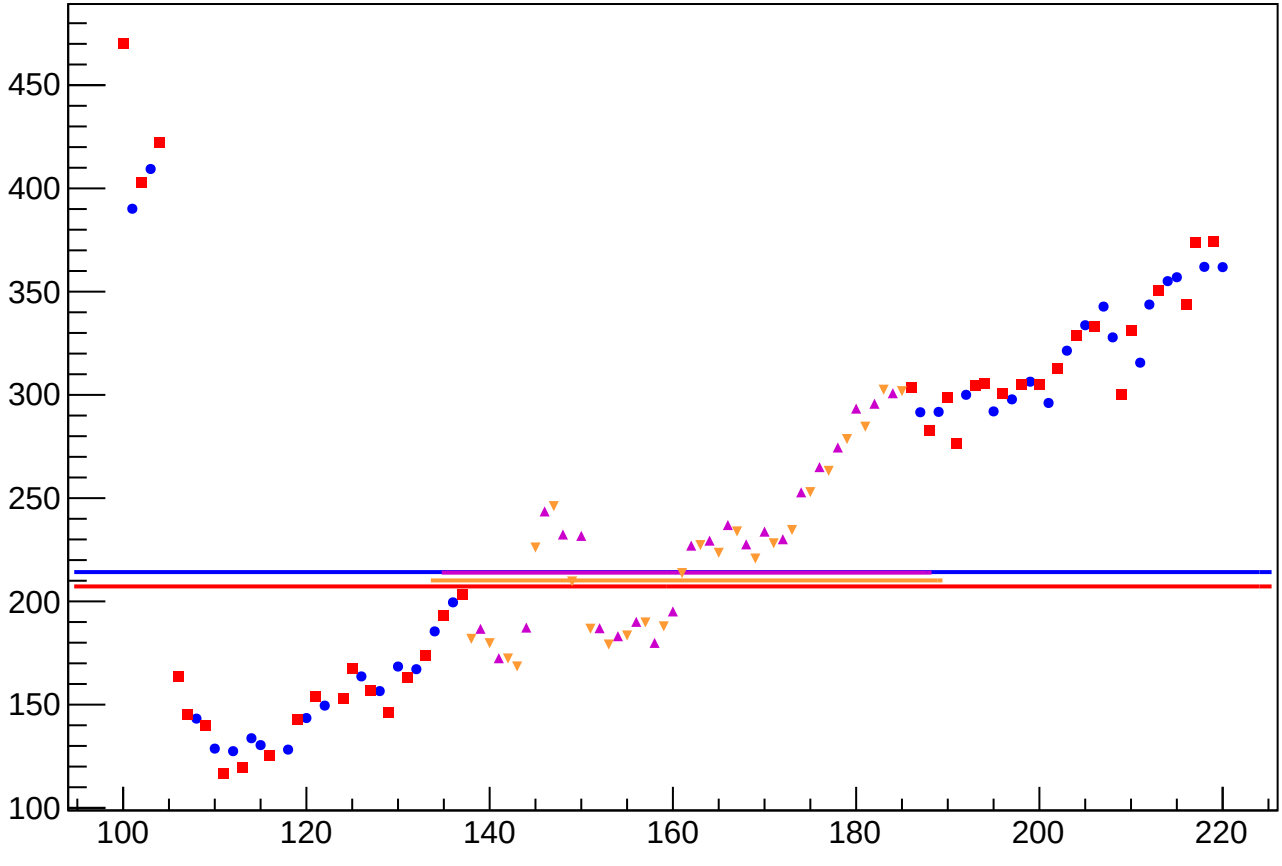
In: 33.335+/-0.006 χ^2/NDF:46587593.1/55

Out: 35.559+/-0.007 χ^2/NDF:47733446.9/61

All: 34.373+/-0.004 χ^2/NDF: 94383259.8/117


yield_bpm0i01WS_mean vs Slug, Sign Corrected
×10^3
164
162
160
158
156
154
152
150
148
100
120
140
160
180
200
220
Right In: 154353.097+/-0.051 χ²/NDF: 13132034278.7/32
Left Out: 156754.233+/-0.049 χ²/NDF:16380807583.4/24
Right Out: 154523.179+/-0.049 χ²/NDF: 13795921348.8/36
Left In: 156798.005+/-0.051 χ²/NDF:14344098884.4/22
Left: 156775.103+/-0.035 χ²/NDF: 30725292627.5
Right: 154441.362+/-0.035 χ²/NDF: 26933723861.
In: 155577.087+/-0.036 χ²/NDF:28625975250.1/5
Out: 155649.597+/-0.035 χ²/NDF:31218463515.1
All: 155614.871+/-0.025 χ²/NDF: 59846546

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 214.190+/-0.036 χ^2/NDF: 6001396.0/32

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 207.241+/-0.035 χ^2/NDF: 6400022.2/36

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

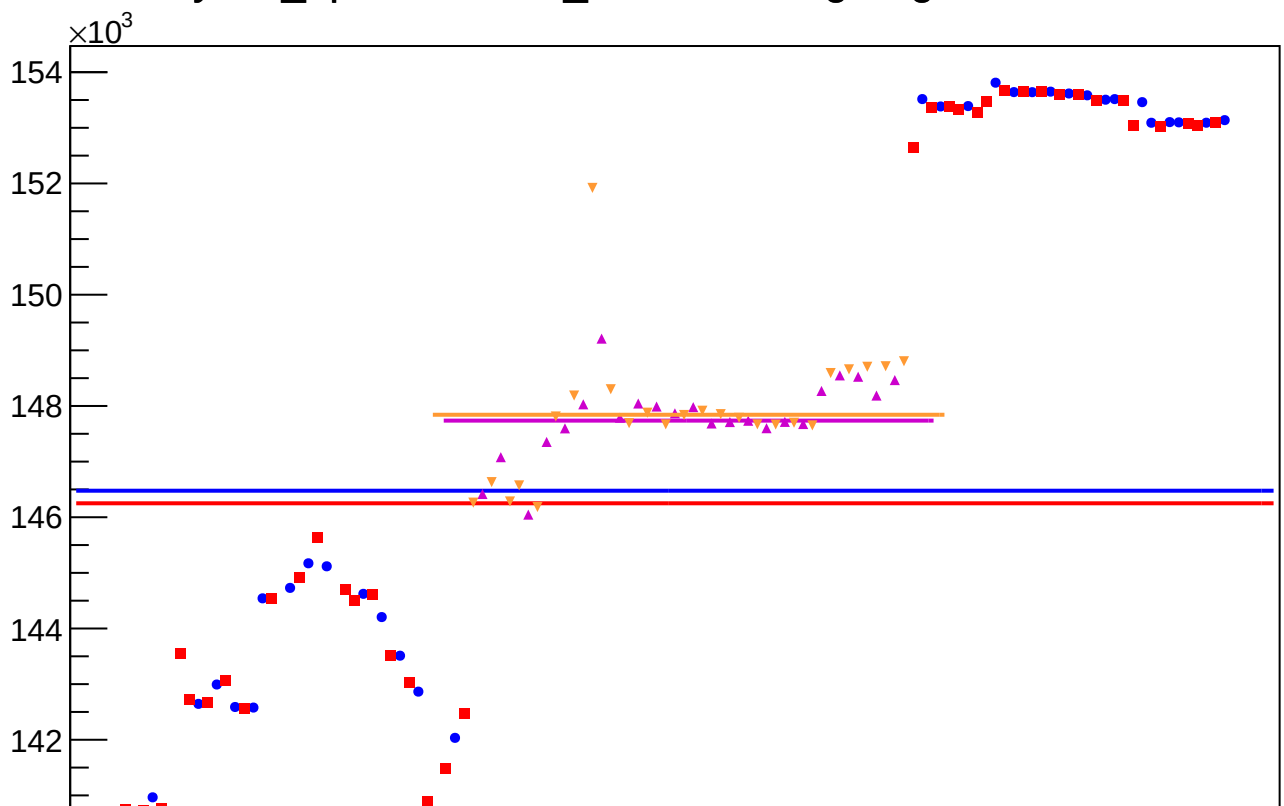
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 210.584+/-0.025 χ^2/NDF: 12420674.2/69

In: 214.067+/-0.025 χ^2/NDF:6915884.4/55

Out: 208.706+/-0.024 χ^2/NDF:7401346.8/61

All: 211.274+/-0.018 χ^2/NDF: 14340283.0/11



Right In: 146476.796+/-0.044 χ^2/NDF: 11900433725.8/32

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 146250.671+/-0.042 χ^2/NDF: 12727851622.8/36

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

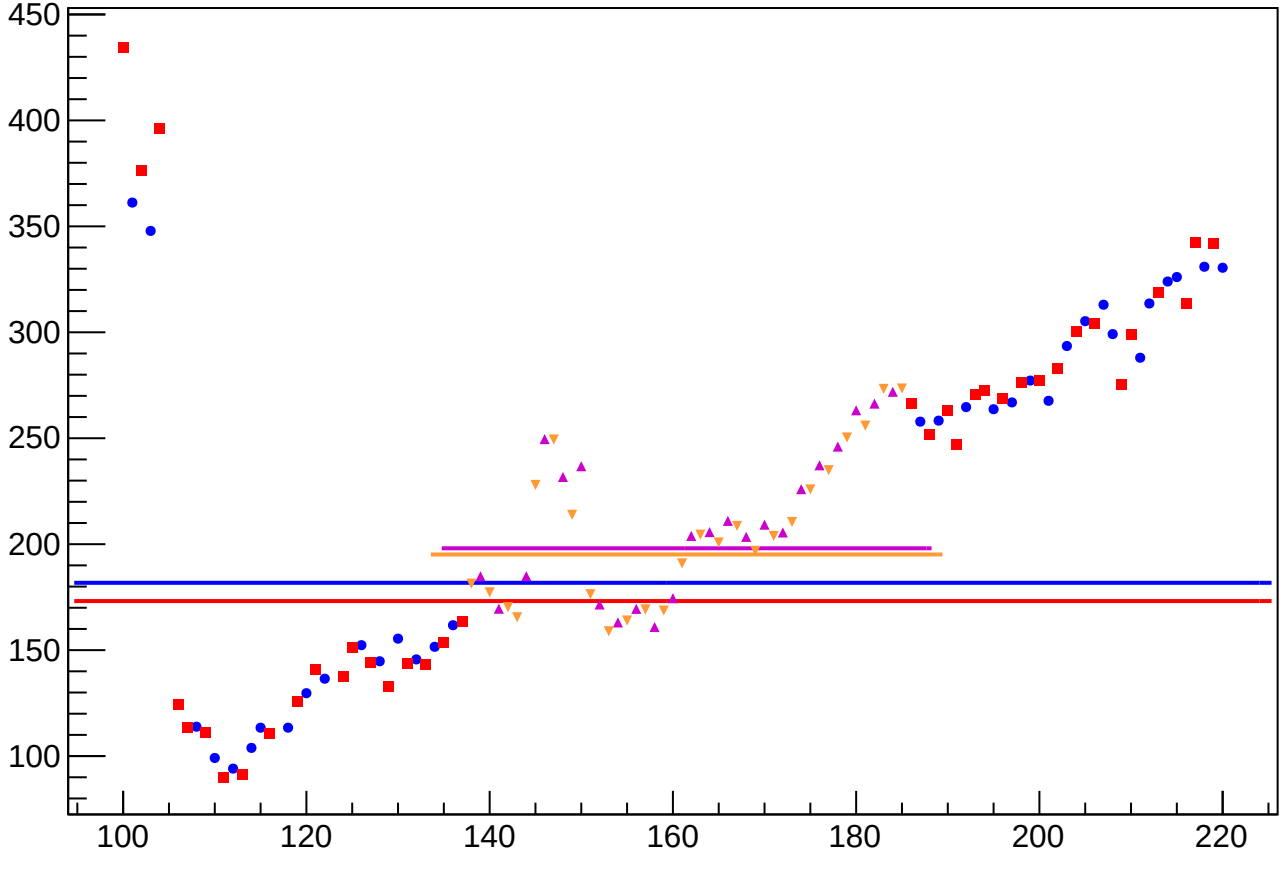
Right: 146357.661+/-0.030 χ^2/NDF: 24642152740.

In: 147063.901+/-0.032 χ^2/NDF:12508284947.0/5

Out: 146984.929+/-0.031 χ^2/NDF:14110733539.6/

All: 147022.464+/-0.022 χ^2/NDF: 26622172

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 181.782+/-0.031 χ^2/NDF: 7171615.2/32

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 173.168+/-0.030 χ^2/NDF: 7840551.3/36

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

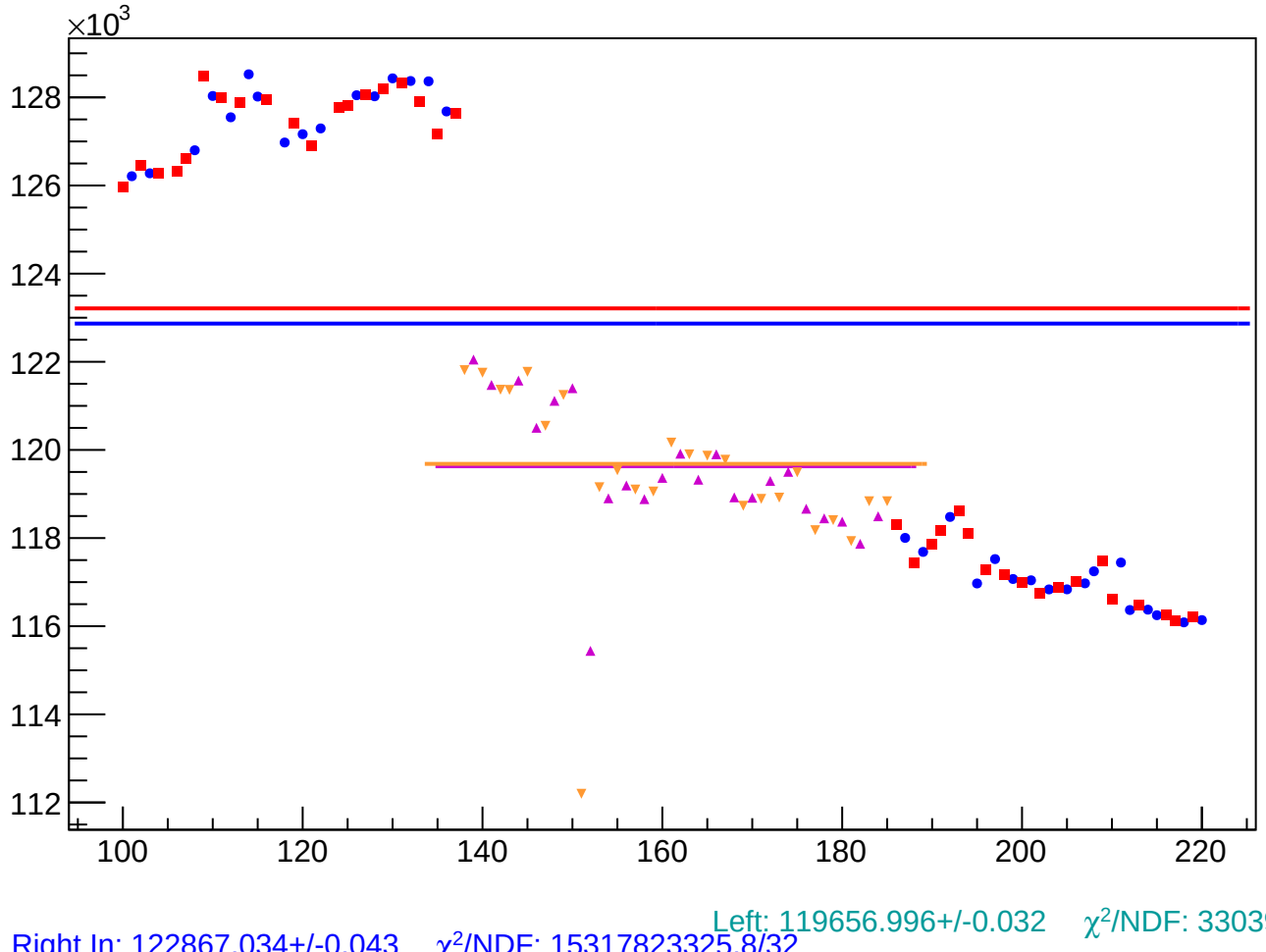
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 177.243+/-0.021 χ^2/NDF: 15052415.2/69

In: 189.366+/-0.023 χ^2/NDF:8199046.7/55

Out: 183.307+/-0.022 χ^2/NDF:9000022.4/61

All: 186.187+/-0.016 χ^2/NDF: 17236195.8/11



Right In: 122867.034+/-0.043 χ^2/NDF: 15317823325.8/32

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123211.466+/-0.042 χ^2/NDF: 16053832372.4/36

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

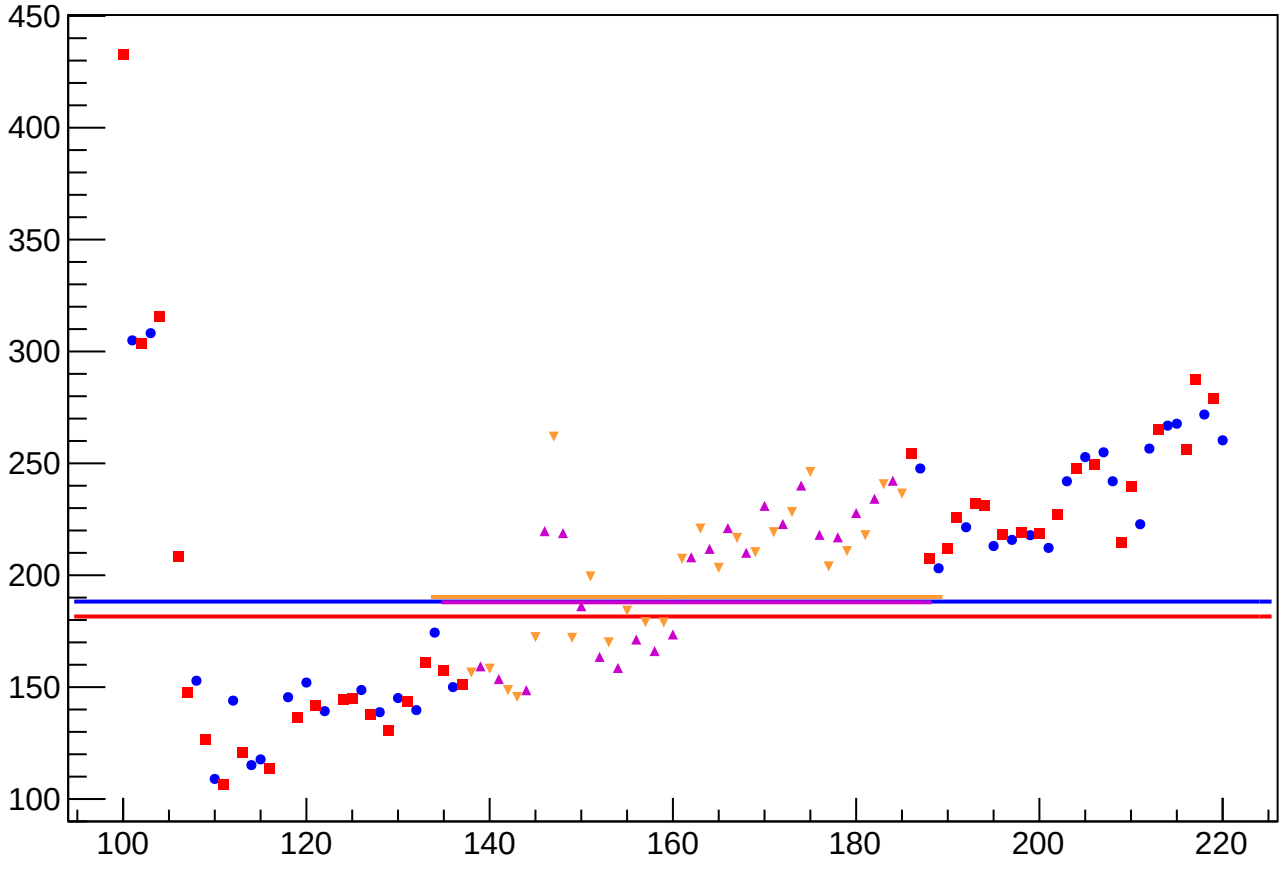
Right: 123045.994+/-0.030 χ^2/NDF: 31404726475.5

In: 121314.898+/-0.031 χ^2/NDF:19331021979.7/5

Out: 121560.506+/-0.030 χ^2/NDF:21419504980.3

All: 121441.175+/-0.022 χ^2/NDF: 40782491

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 188.232+/-0.031 χ^2/NDF: 3091403.2/32

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 181.569+/-0.029 χ^2/NDF: 3716483.5/36

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

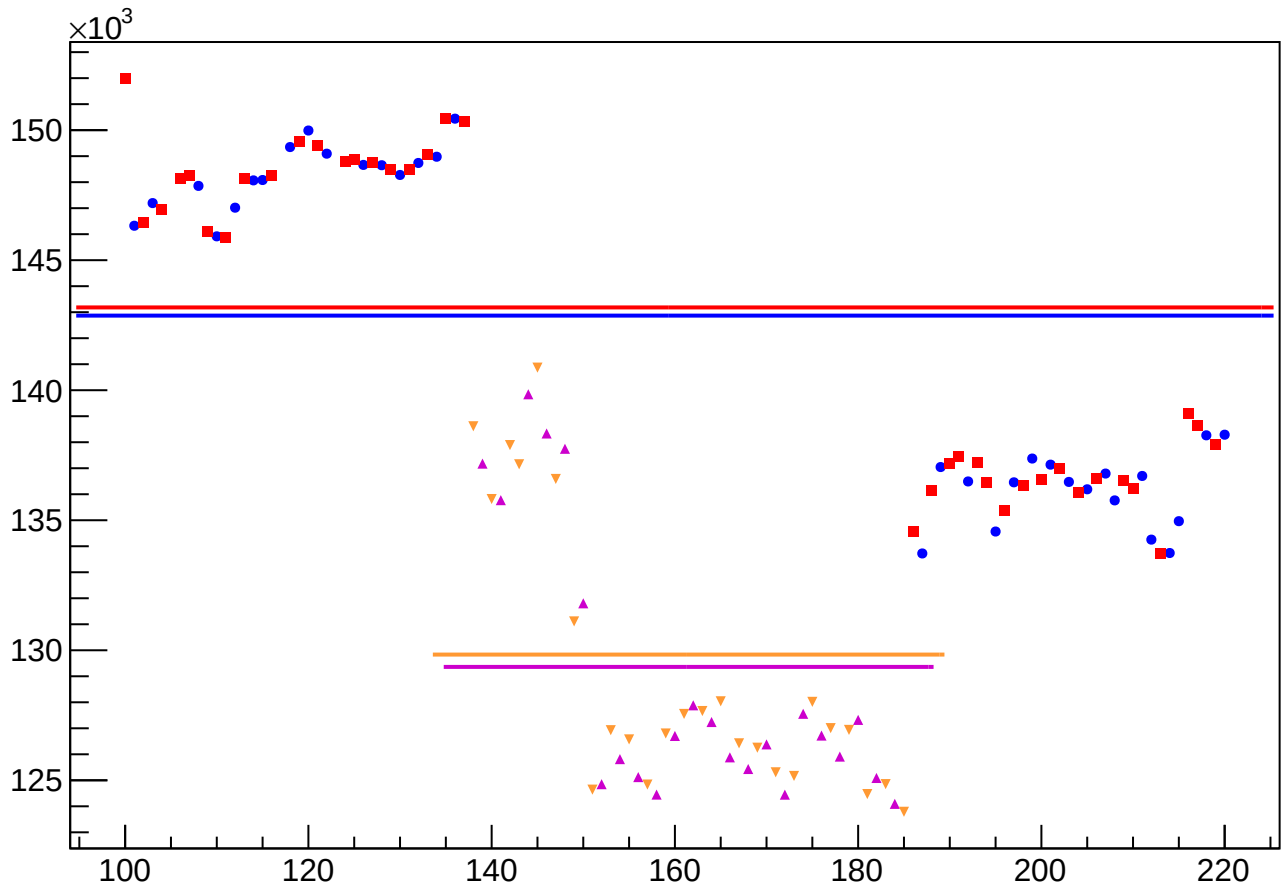
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 184.770+/-0.021 χ^2/NDF: 6832643.9/69

In: 188.077+/-0.022 χ^2/NDF:4017494.0/55

Out: 185.653+/-0.021 χ^2/NDF:4682406.3/61

All: 186.831+/-0.015 χ^2/NDF: 8706126.2/117



Right In: 142868.645+/-0.060 χ^2/NDF: 10798936443.3/32

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143183.537+/-0.058 χ^2/NDF: 10675208279.5/36

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

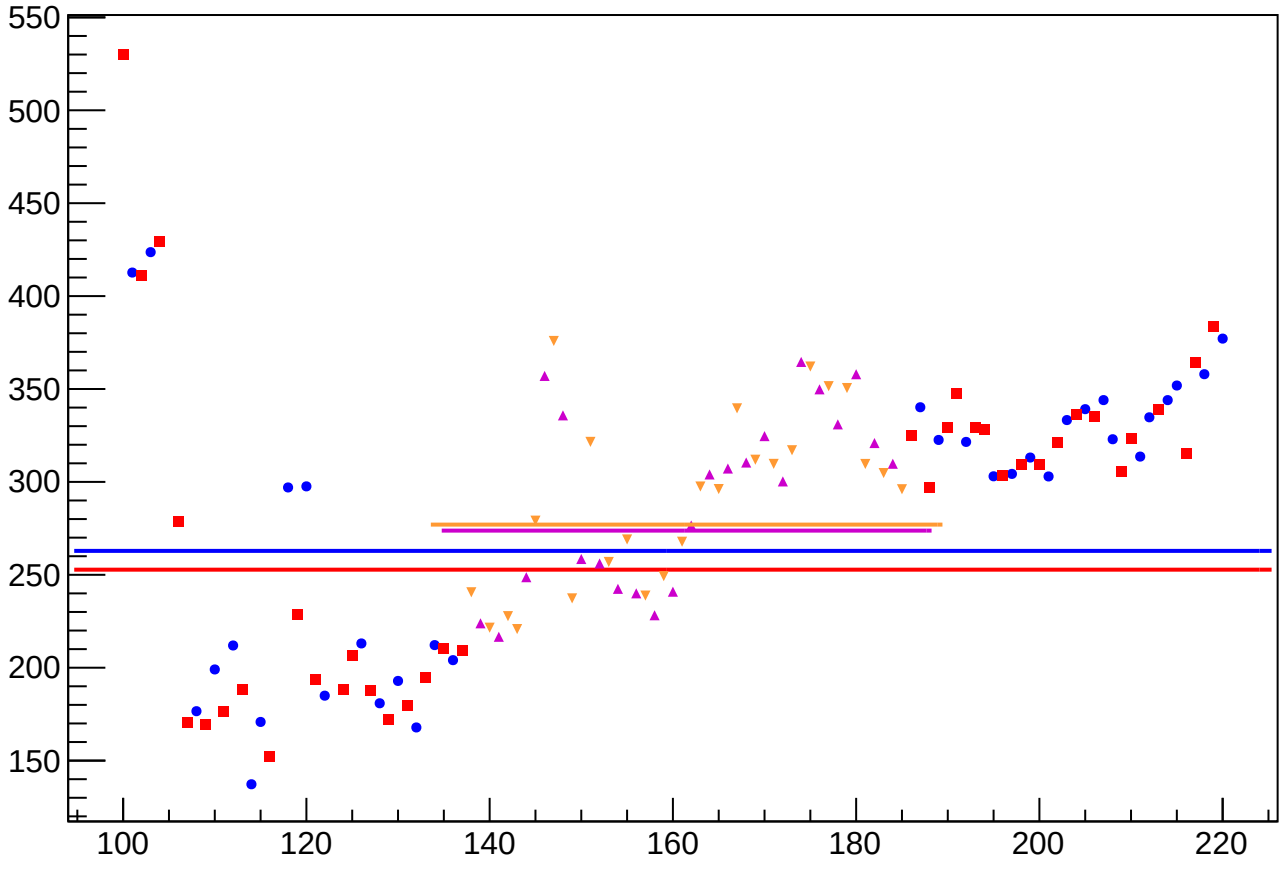
Right: 143033.179+/-0.042 χ^2/NDF: 21488416717.5

In: 136662.324+/-0.044 χ^2/NDF:40518839949.3/5

Out: 137230.393+/-0.043 χ^2/NDF:41423616036.1

All: 136955.650+/-0.031 χ^2/NDF: 820273704

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 262.875+/-0.043 χ^2/NDF: 3089746.2/32

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 252.766+/-0.041 χ^2/NDF: 3403553.3/36

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

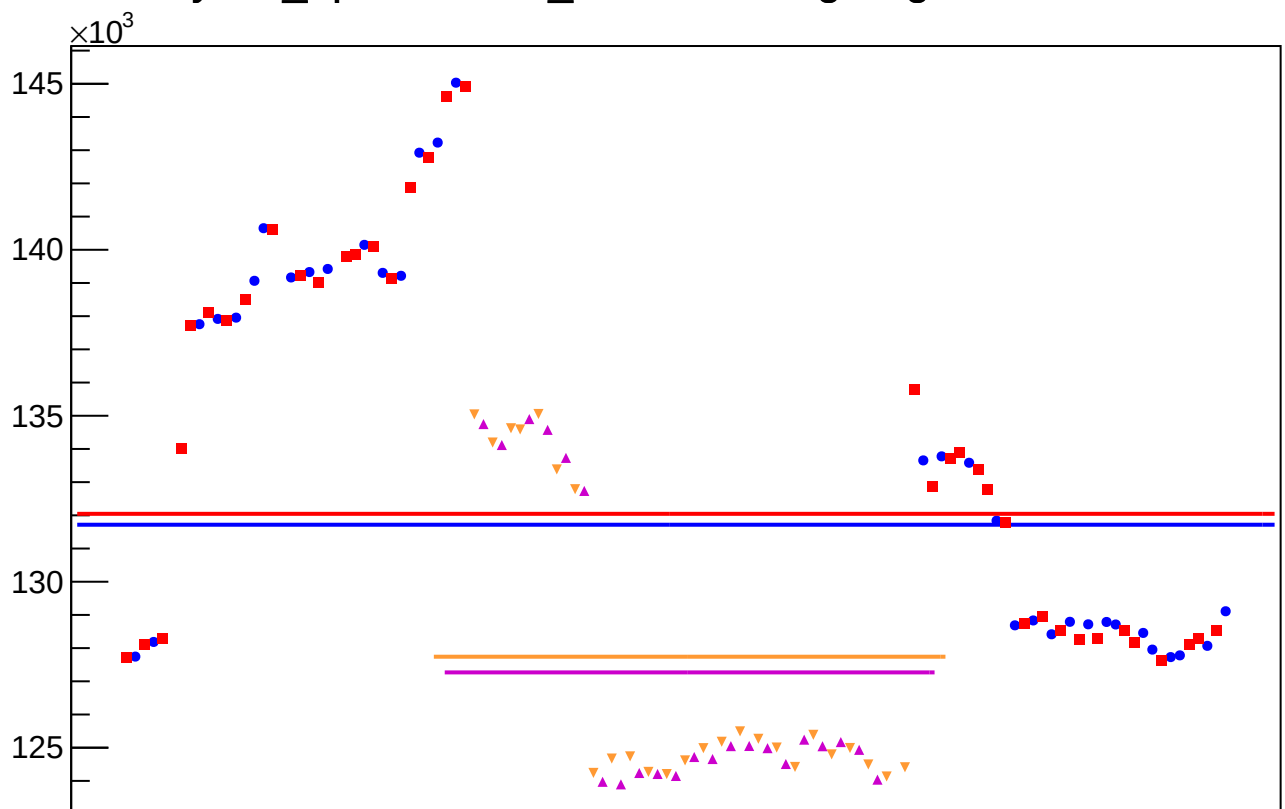
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 257.593+/-0.029 χ^2/NDF: 6522712.0/69

In: 267.887+/-0.031 χ^2/NDF:4123785.4/55

Out: 263.583+/-0.030 χ^2/NDF:4508318.3/61

All: 265.665+/-0.022 χ^2/NDF: 8641853.5/117



Right In: 131717.092+/-0.095 χ^2/NDF: 2996247043.7/32

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132045.486+/-0.097 χ^2/NDF: 2258714248.2/36

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

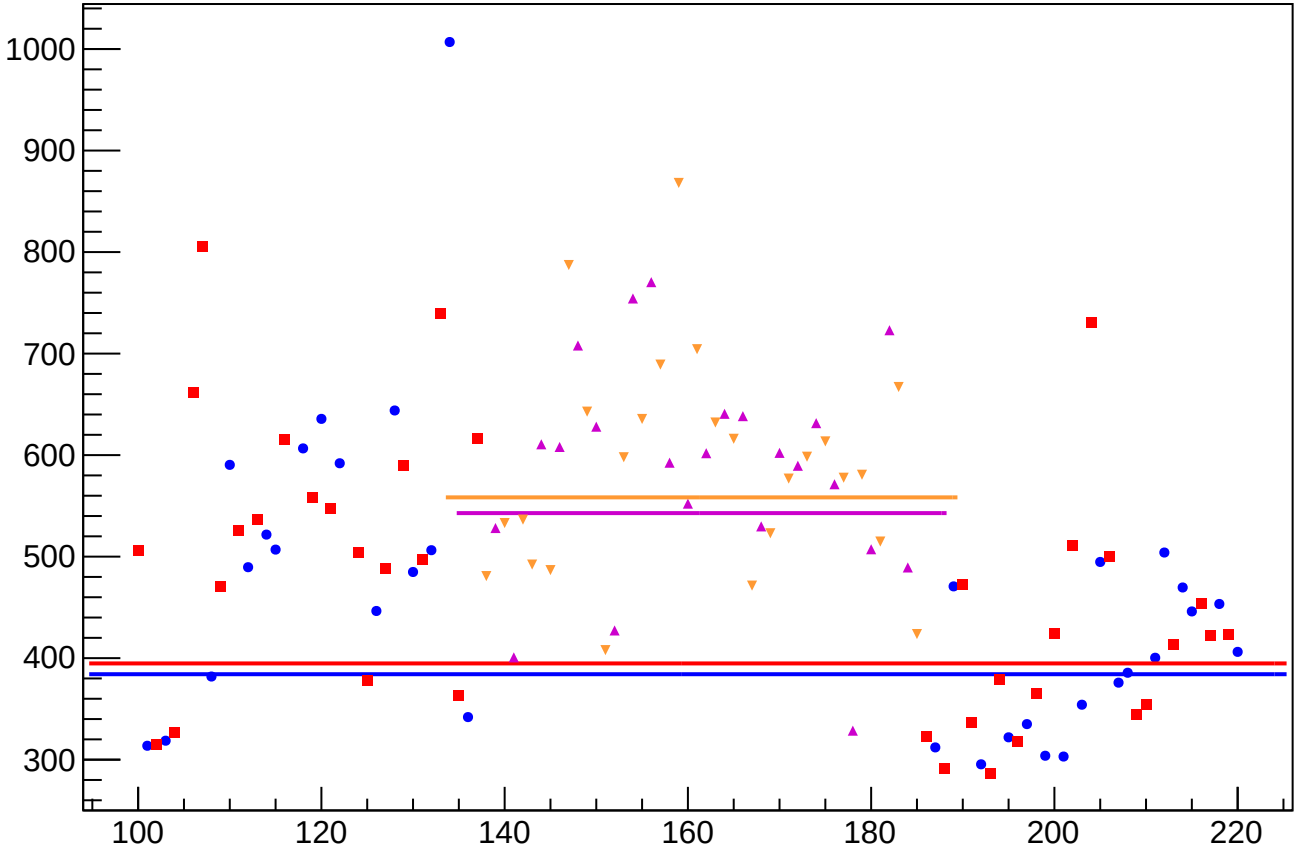
Right: 131877.498+/-0.068 χ^2/NDF: 5260822059.7/

In: 130299.131+/-0.078 χ^2/NDF:4669460805.9/55

Out: 130587.743+/-0.079 χ^2/NDF:4017848130.1/6

All: 130442.246+/-0.056 χ^2/NDF: 86940546

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 384.178+/-0.067 χ^2/NDF: 1800480.7/32

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 394.801+/-0.069 χ^2/NDF: 2040800.3/36

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

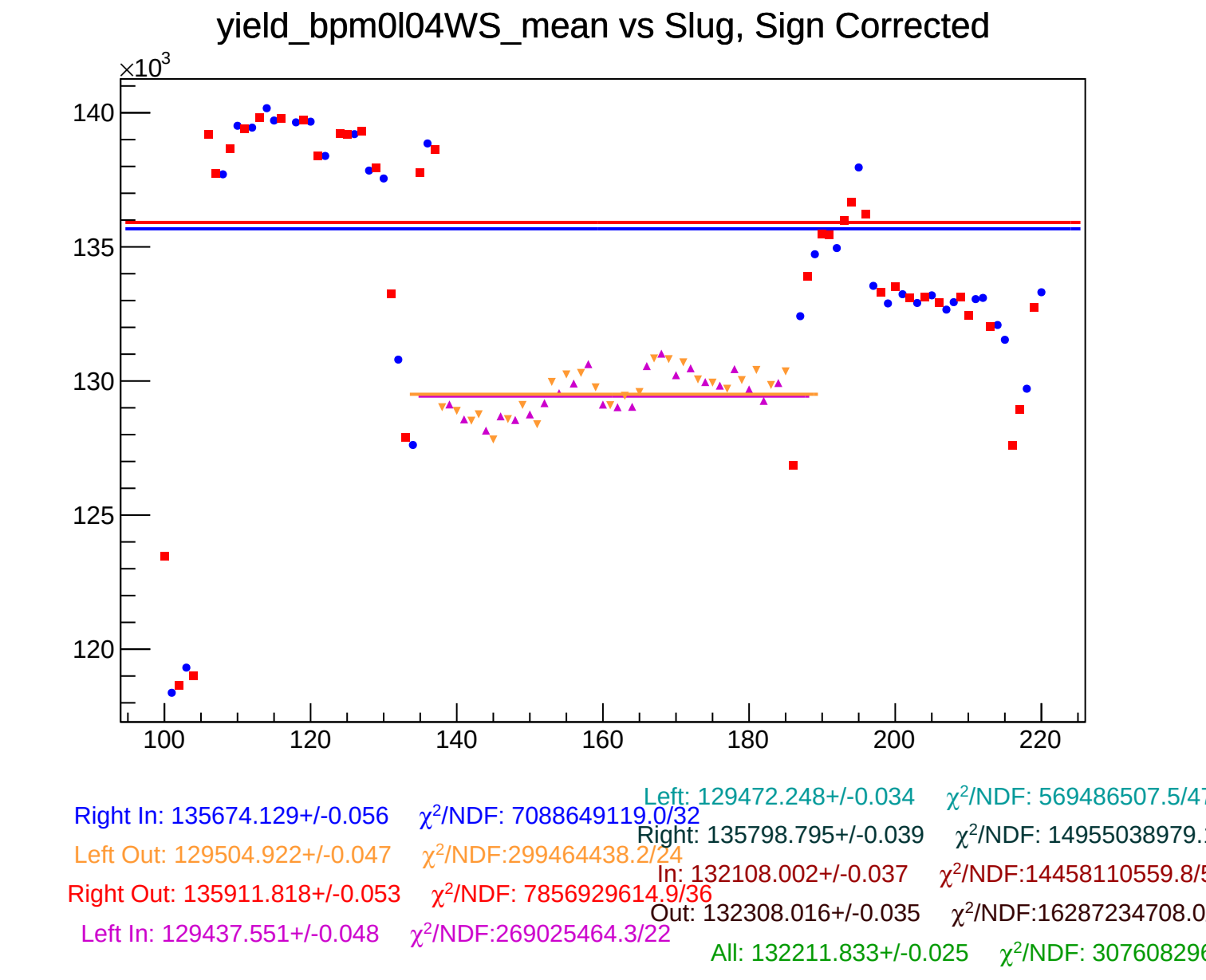
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 389.367+/-0.048 χ^2/NDF: 3853547.5/69

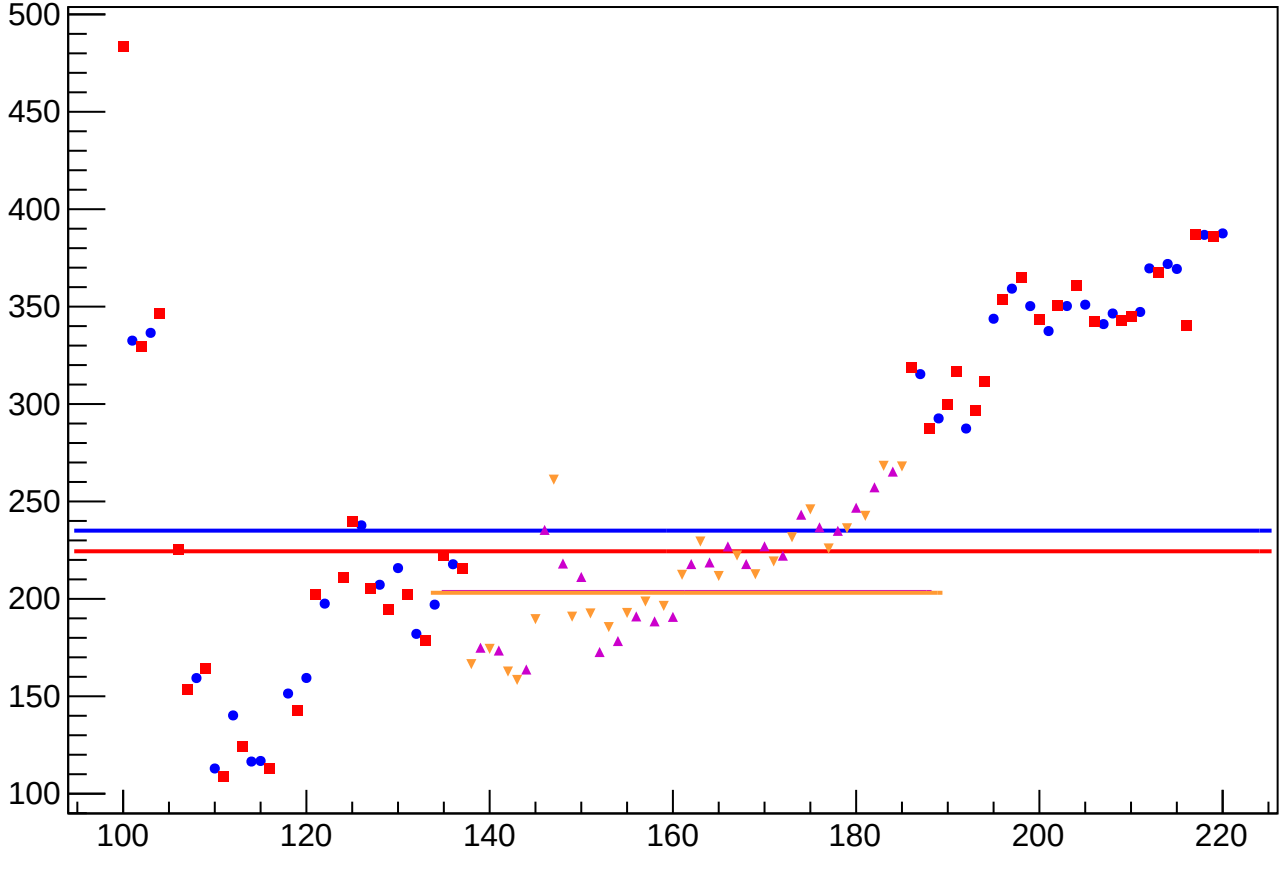
In: 434.761+/-0.055 χ^2/NDF:5003383.4/55

Out: 450.198+/-0.056 χ^2/NDF:4934404.6/61

All: 442.416+/-0.039 χ^2/NDF: 9976384.4/117


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
120
140
160
180
200
220
Right In: 135674.129+/-0.056 χ²/NDF: 7088649119.0/32
Left Out: 129504.922+/-0.047 χ²/NDF:299464438.2/24
Right Out: 135911.818+/-0.053 χ²/NDF: 7856929614.9/36
Left In: 129437.551+/-0.048 χ²/NDF:269025464.3/22
Left: 129472.248+/-0.034 χ²/NDF: 569486507.5/47
Right: 135798.795+/-0.039 χ²/NDF: 14955038979.
In: 132108.002+/-0.037 χ²/NDF:14458110559.8/5
Out: 132308.016+/-0.035 χ²/NDF:16287234708.0
All: 132211.833+/-0.025 χ²/NDF: 30760829

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 235.020+/-0.040 χ^2/NDF: 5680898.5/32

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 224.421+/-0.038 χ^2/NDF: 6325746.0/36

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

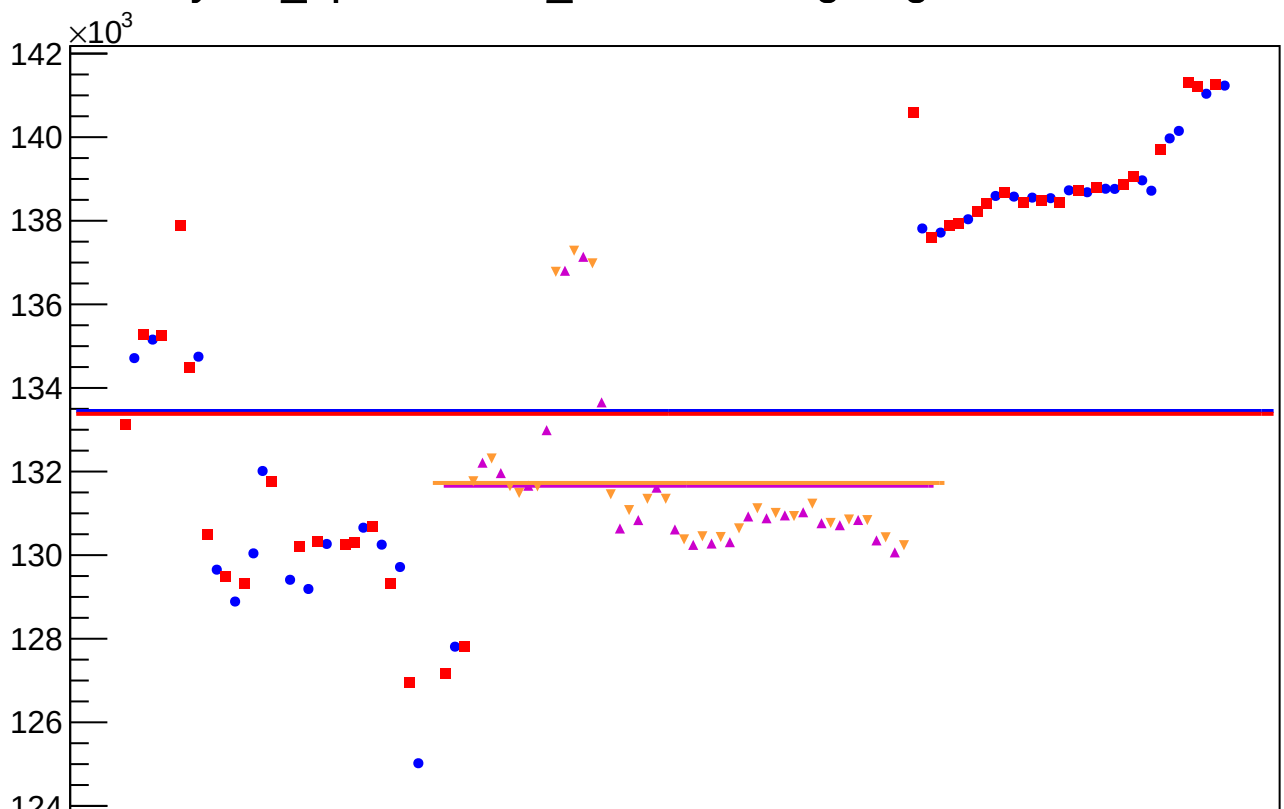
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 229.461+/-0.027 χ^2/NDF: 12044269.2/69

In: 217.023+/-0.026 χ^2/NDF:6708615.5/55

Out: 212.444+/-0.025 χ^2/NDF:7263788.9/61

All: 214.646+/-0.018 χ^2/NDF: 13988634.3/11



Right In: 133448.489+/-0.050 χ^2/NDF: 10907360951.8/32

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 133380.842+/-0.048 χ^2/NDF: 10923268045.2/36

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

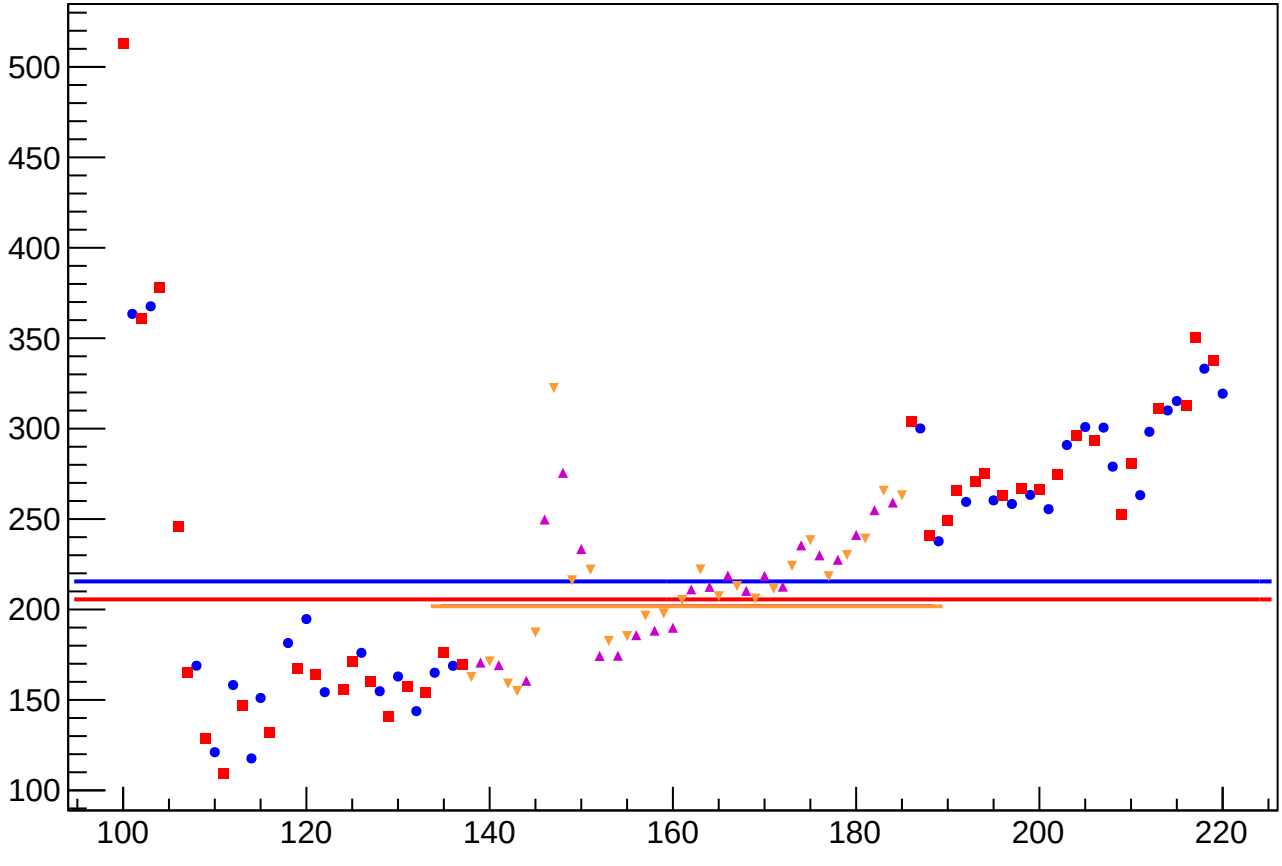
Right: 133413.089+/-0.035 χ^2/NDF: 21831587420.

In: 132521.538+/-0.035 χ^2/NDF:12735065348.4/5

Out: 132538.889+/-0.033 χ^2/NDF:12960085784.9

All: 132530.535+/-0.024 χ^2/NDF: 25695280

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 215.526+/-0.035 χ^2/NDF: 3742465.5/32

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 205.584+/-0.034 χ^2/NDF: 4651509.2/36

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 210.323+/-0.024 χ^2/NDF: 8435377.8/69

In: 208.486+/-0.025 χ^2/NDF:4621680.1/55

Out: 203.656+/-0.024 χ^2/NDF:5563273.4/61

All: 205.982+/-0.017 χ^2/NDF: 10205057.7/11

Right In: 3545.415+/-0.005 χ^2/NDF: 5755579825423.9/32

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3969.416+/-0.005 χ^2/NDF: 6454135559593.5/36

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

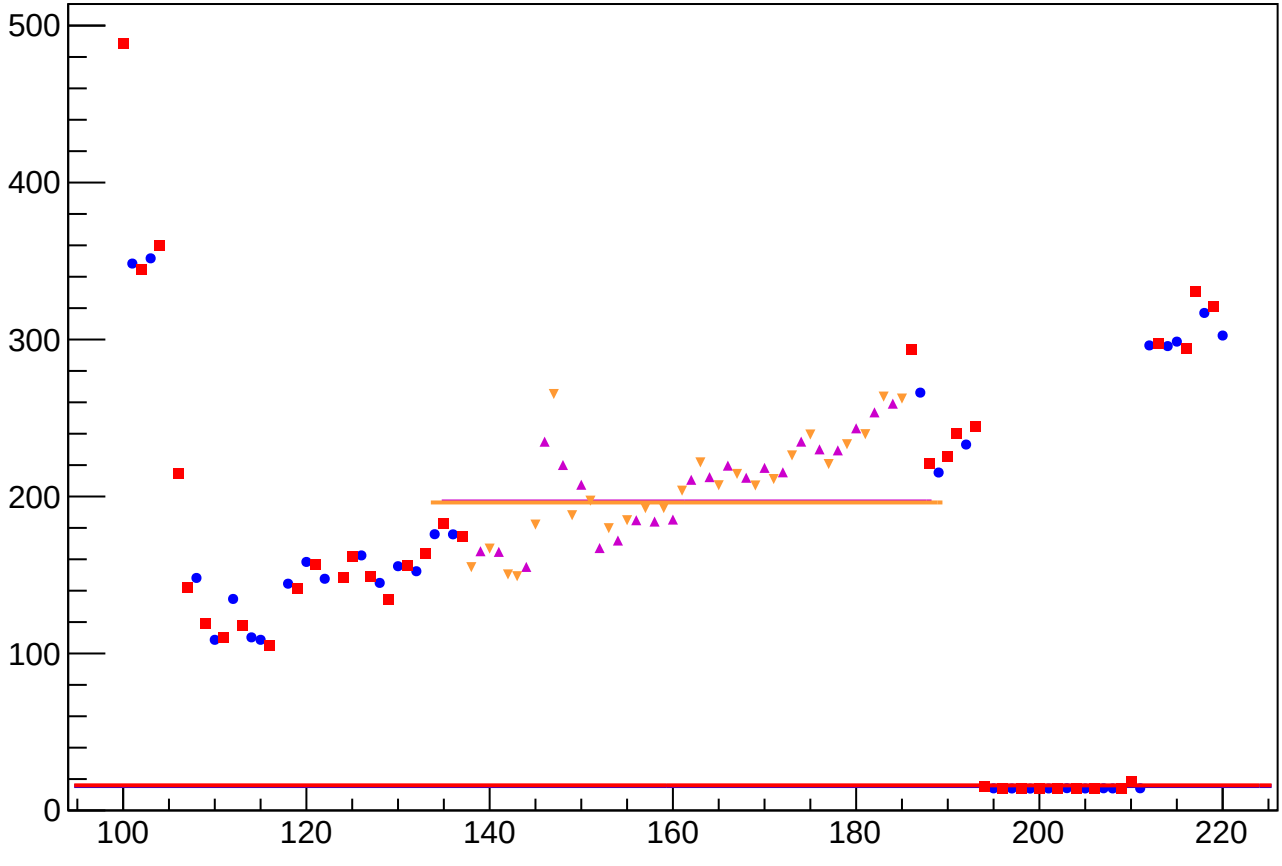
Right: 3741.367+/-0.004 χ^2/NDF: 12212968976863

In: 4982.855+/-0.005 χ^2/NDF:12805996644445.3

Out: 5740.239+/-0.005 χ^2/NDF:13907707840694.

All: 5333.390+/-0.004 χ^2/NDF: 2672422189

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.549+/-0.004 χ^2/NDF: 22249597.1/32

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 15.992+/-0.004 χ^2/NDF: 22576644.9/36

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

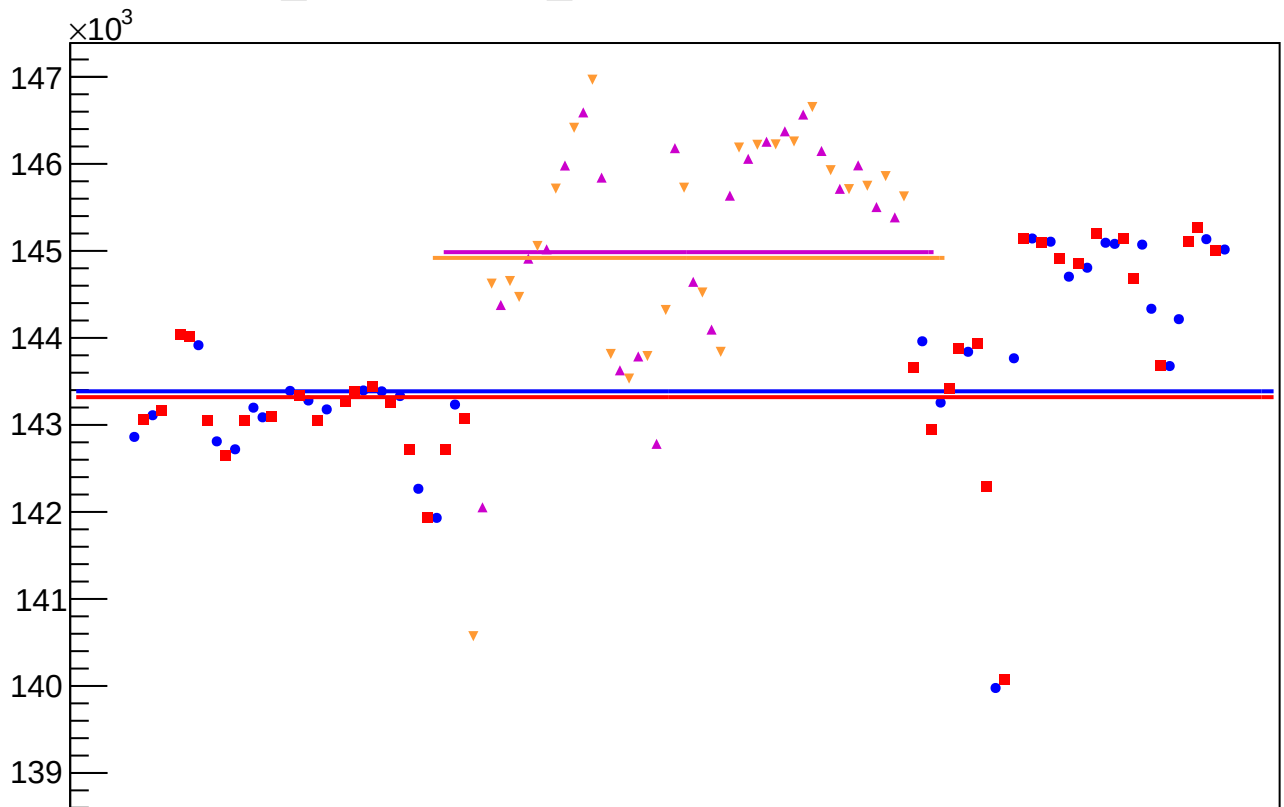
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.754+/-0.003 χ^2/NDF: 44833369.9/69

In: 17.629+/-0.004 χ^2/NDF:52567591.2/55

Out: 18.544+/-0.004 χ^2/NDF:54440925.3/61

All: 18.053+/-0.003 χ^2/NDF: 107039169.0/11



Right In: 143386.440+/-0.054 χ^2/NDF: 321431792.4/32

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143319.087+/-0.051 χ^2/NDF: 335885206.3/36

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

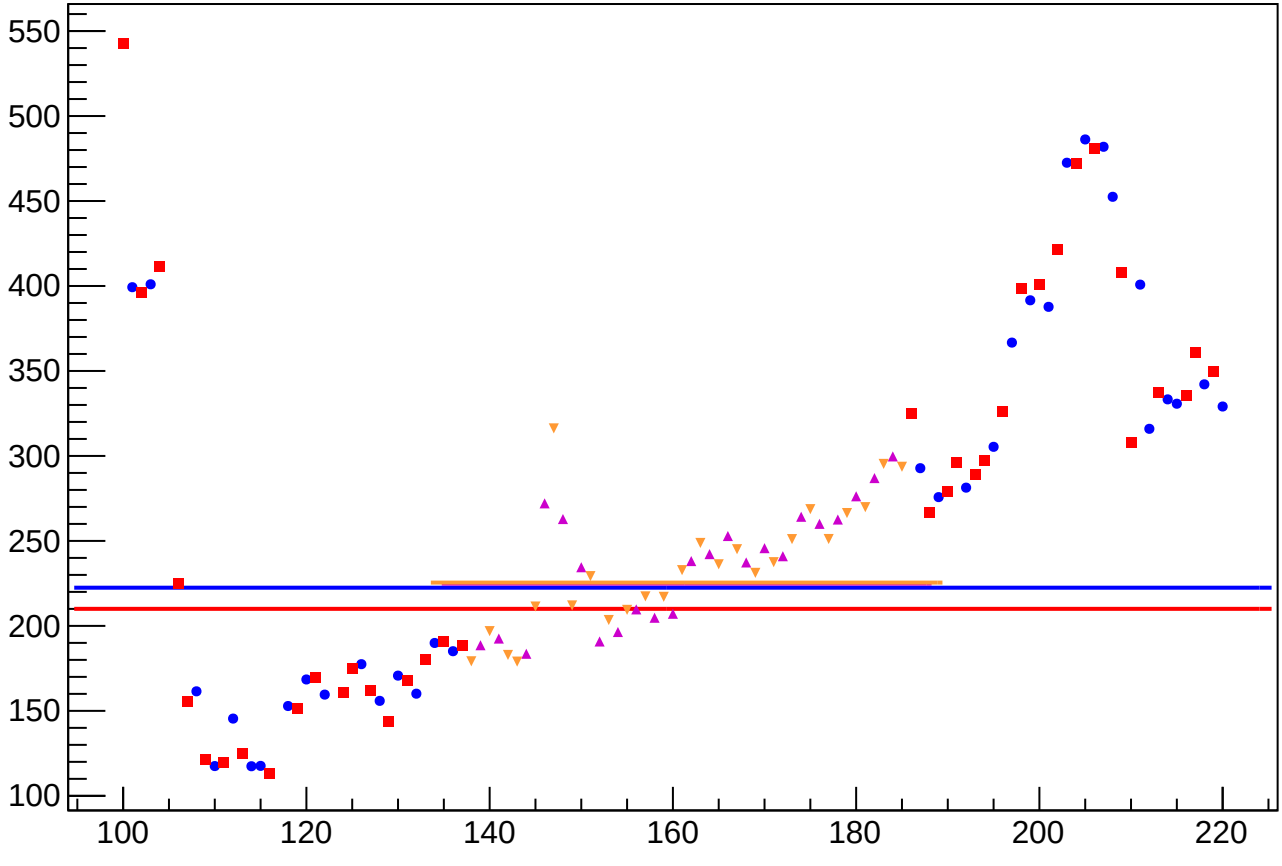
Right: 143350.744+/-0.037 χ^2/NDF: 658144053.3/6

In: 144191.102+/-0.038 χ^2/NDF:1382858056.1/5

Out: 144096.666+/-0.036 χ^2/NDF:1654065521.9/6

All: 144141.859+/-0.026 χ^2/NDF: 30401434

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 222.475+/-0.038 χ^2/NDF: 7059881.5/32

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 210.032+/-0.036 χ^2/NDF: 7747646.7/36

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

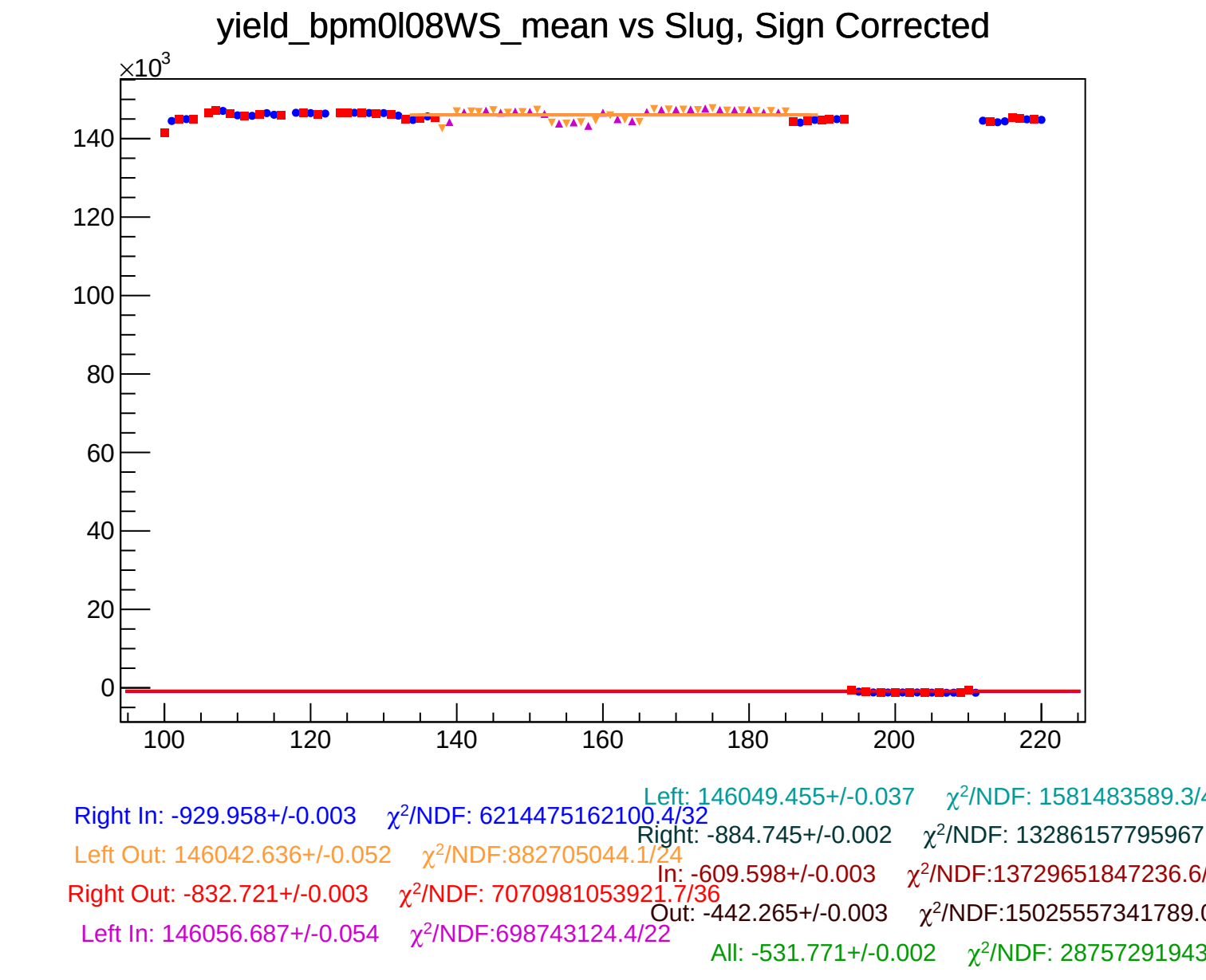
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 215.880+/-0.026 χ^2/NDF: 14863982.1/69

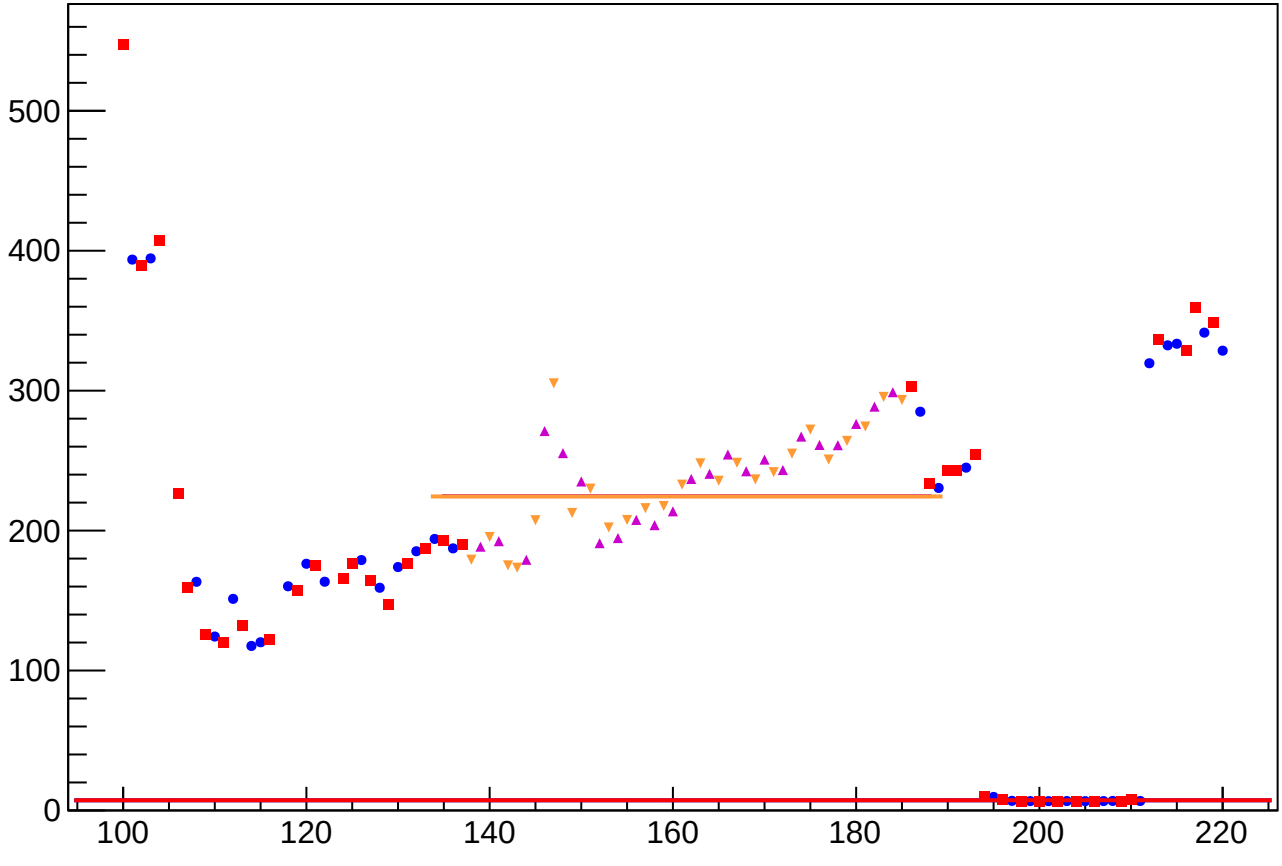
In: 223.679+/-0.027 χ^2/NDF:7785681.2/55

Out: 217.537+/-0.026 χ^2/NDF:8612944.5/61

All: 220.476+/-0.019 χ^2/NDF: 16425870.2/11


yield_bpm0l08WS_mean vs Slug, Sign Corrected
×10^3
140
120
100
80
60
40
20
0
100
120
140
160
180
200
220
Right In: -929.958+/-0.003 χ²/NDF: 6214475162100.4/32
Left Out: 146042.636+/-0.052 χ²/NDF:882705044.1/24
Right Out: -832.721+/-0.003 χ²/NDF: 7070981053921.7/36
Left In: 146056.687+/-0.054 χ²/NDF:698743124.4/22
Left: 146049.455+/-0.037 χ²/NDF: 1581483589.3/4
Right: -884.745+/-0.002 χ²/NDF: 13286157795967
In: -609.598+/-0.003 χ²/NDF:13729651847236.6/
Out: -442.265+/-0.003 χ²/NDF:15025557341789.0
All: -531.771+/-0.002 χ²/NDF: 2875729194

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.244+/-0.002 χ^2/NDF: 24425483.0/32

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.297+/-0.002 χ^2/NDF: 24871539.7/36

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

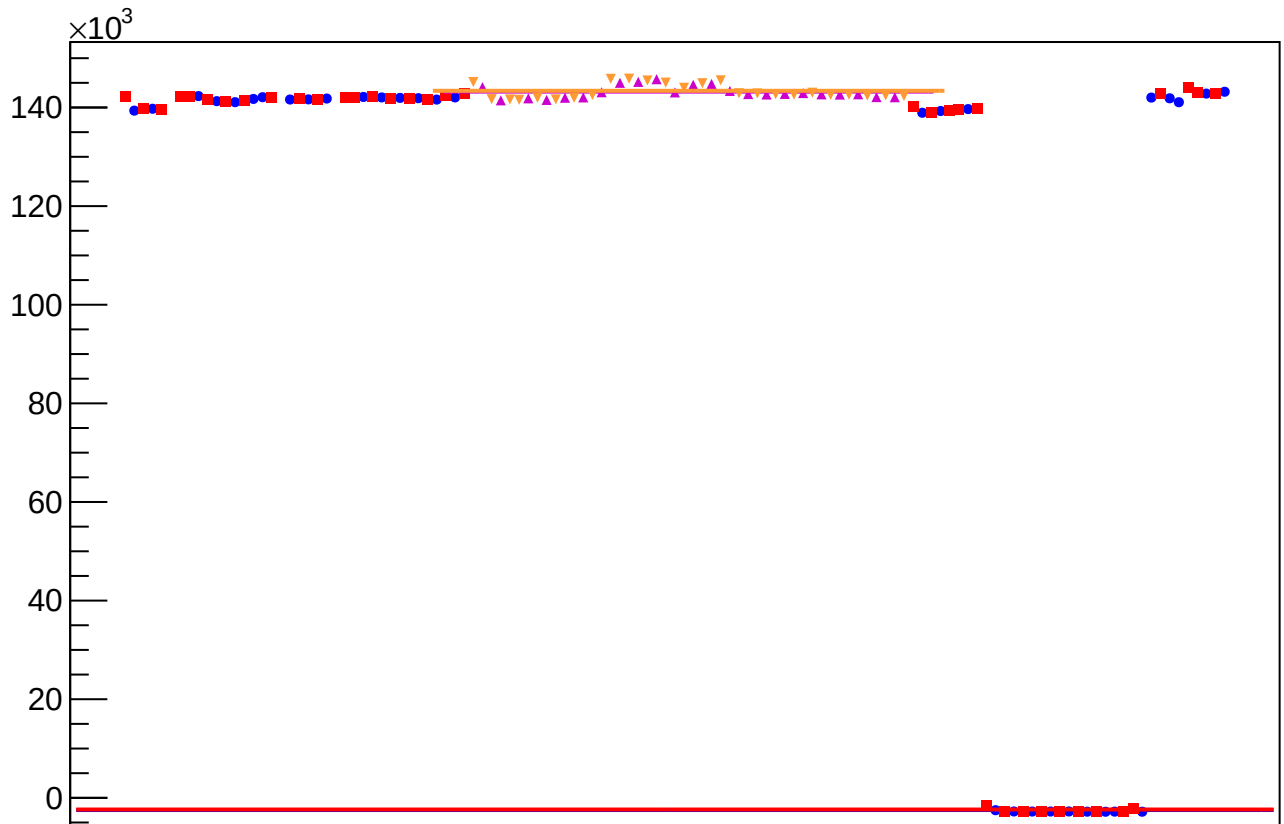
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.269+/-0.001 χ^2/NDF: 49297434.0/69

In: 7.718+/-0.002 χ^2/NDF:58062632.3/55

Out: 7.874+/-0.002 χ^2/NDF:60479936.5/61

All: 7.791+/-0.001 χ^2/NDF: 118546187.7/117



Right In: -2471.943+/-0.003 χ^2/NDF: 5677911149555.3/32

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2368.817+/-0.003 χ^2/NDF: 6367953722242.8/36

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

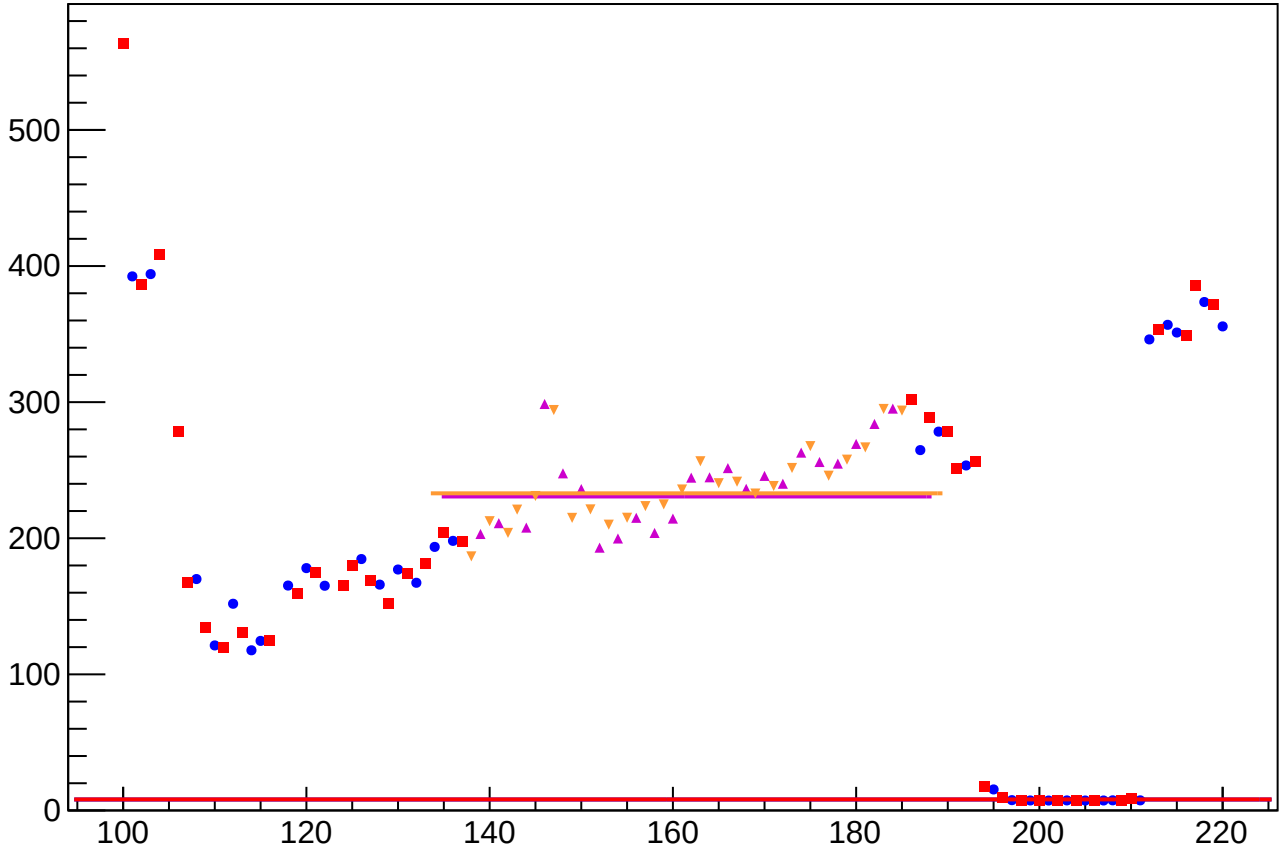
Right: -2424.013+/-0.002 χ^2/NDF: 1204649694483

In: -2093.941+/-0.003 χ^2/NDF:12720872327267.

Out: -1914.785+/-0.003 χ^2/NDF:13717374053549

All: -2010.650+/-0.002 χ^2/NDF: 2644015949

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.032+/-0.002 χ^2/NDF: 24565648.8/32

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.109+/-0.002 χ^2/NDF: 24898687.8/36

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

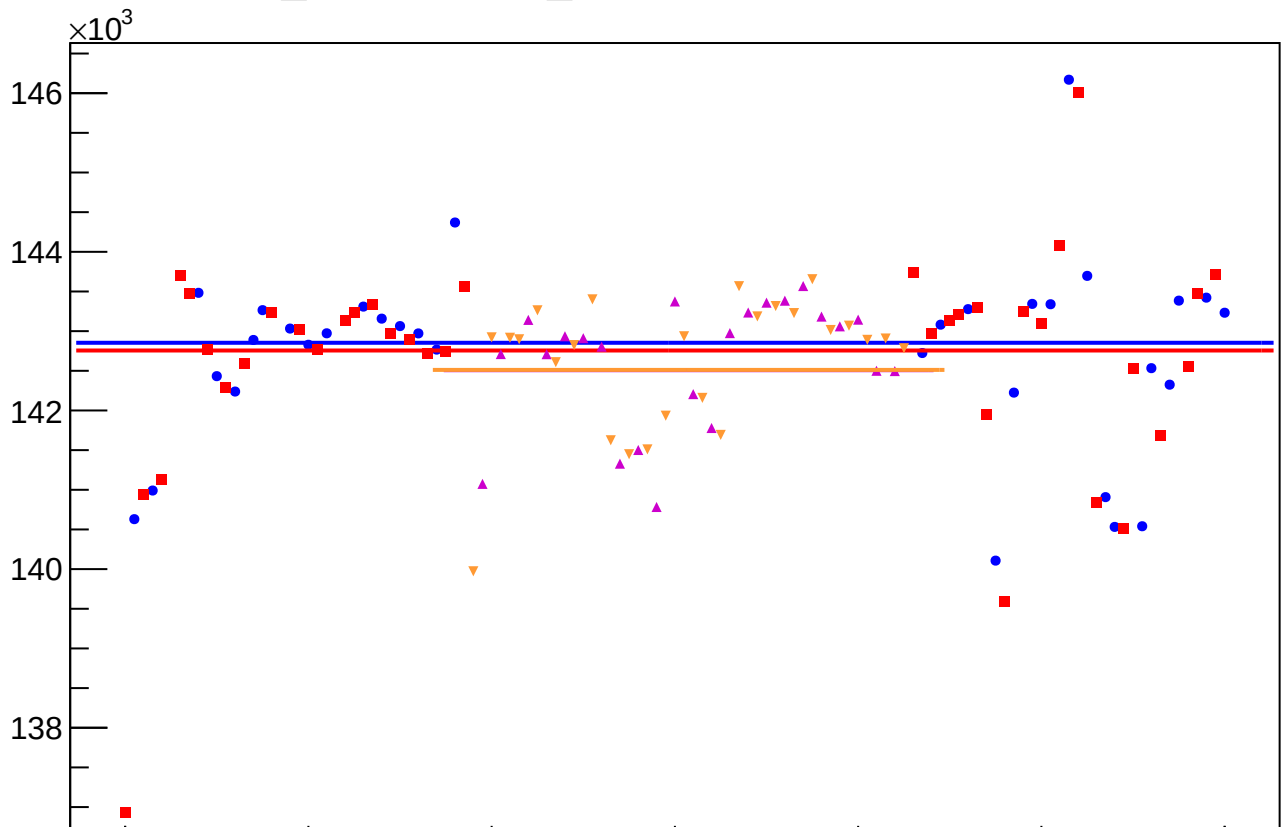
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.068+/-0.001 χ^2/NDF: 49465050.0/69

In: 8.610+/-0.002 χ^2/NDF:57974823.1/55

Out: 8.810+/-0.002 χ^2/NDF:60335678.7/61

All: 8.703+/-0.001 χ^2/NDF: 118315286.2/117



Right In: 142853.436+/-0.056 χ^2/NDF: 303643039.4/32

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142756.107+/-0.053 χ^2/NDF: 256602722.0/36

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

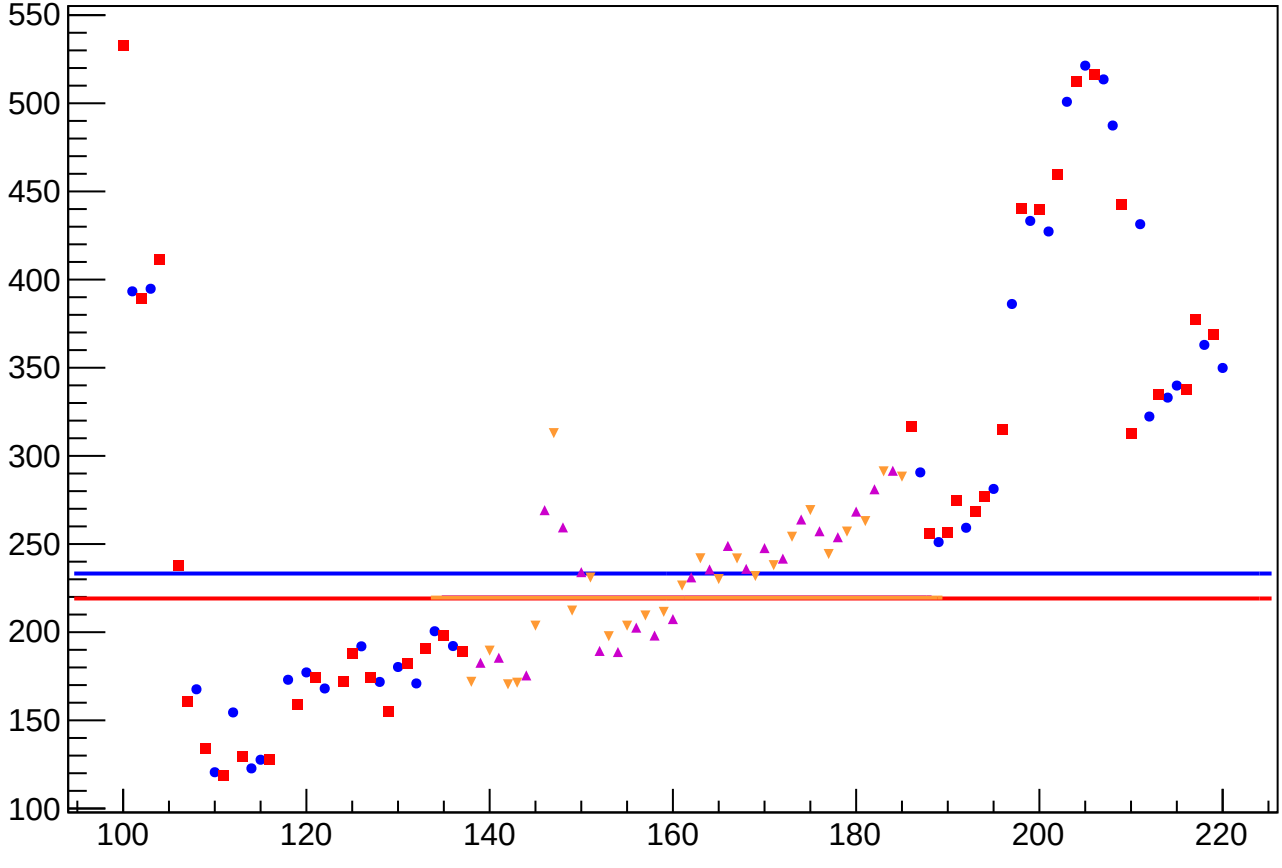
Right: 142801.507+/-0.039 χ^2/NDF: 561836201.6/6

In: 142667.889+/-0.038 χ^2/NDF:593110083.8/55

Out: 142629.471+/-0.037 χ^2/NDF:605844638.1/61

All: 142647.776+/-0.026 χ^2/NDF: 11994792

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 233.273+/-0.040 χ^2/NDF: 6759480.0/32

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 219.116+/-0.037 χ^2/NDF: 7338722.8/36

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

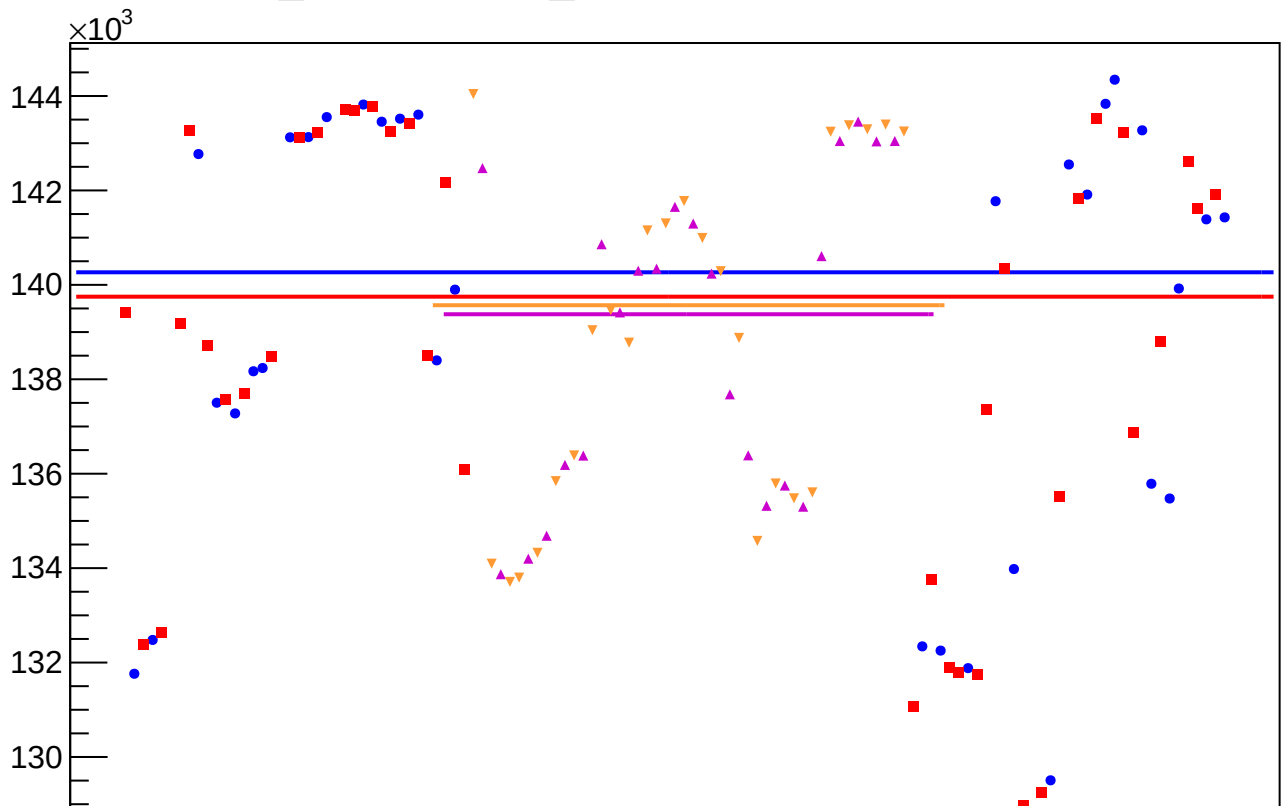
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 225.720+/-0.027 χ^2/NDF: 14165506.6/69

In: 226.052+/-0.027 χ^2/NDF:7626149.7/55

Out: 219.376+/-0.026 χ^2/NDF:8240843.2/61

All: 222.557+/-0.019 χ^2/NDF: 15898681.7/11



Right In: 140266.062+/-0.077 χ^2/NDF: 2821956327.7/32

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139749.470+/-0.078 χ^2/NDF: 2898718252.6/36

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

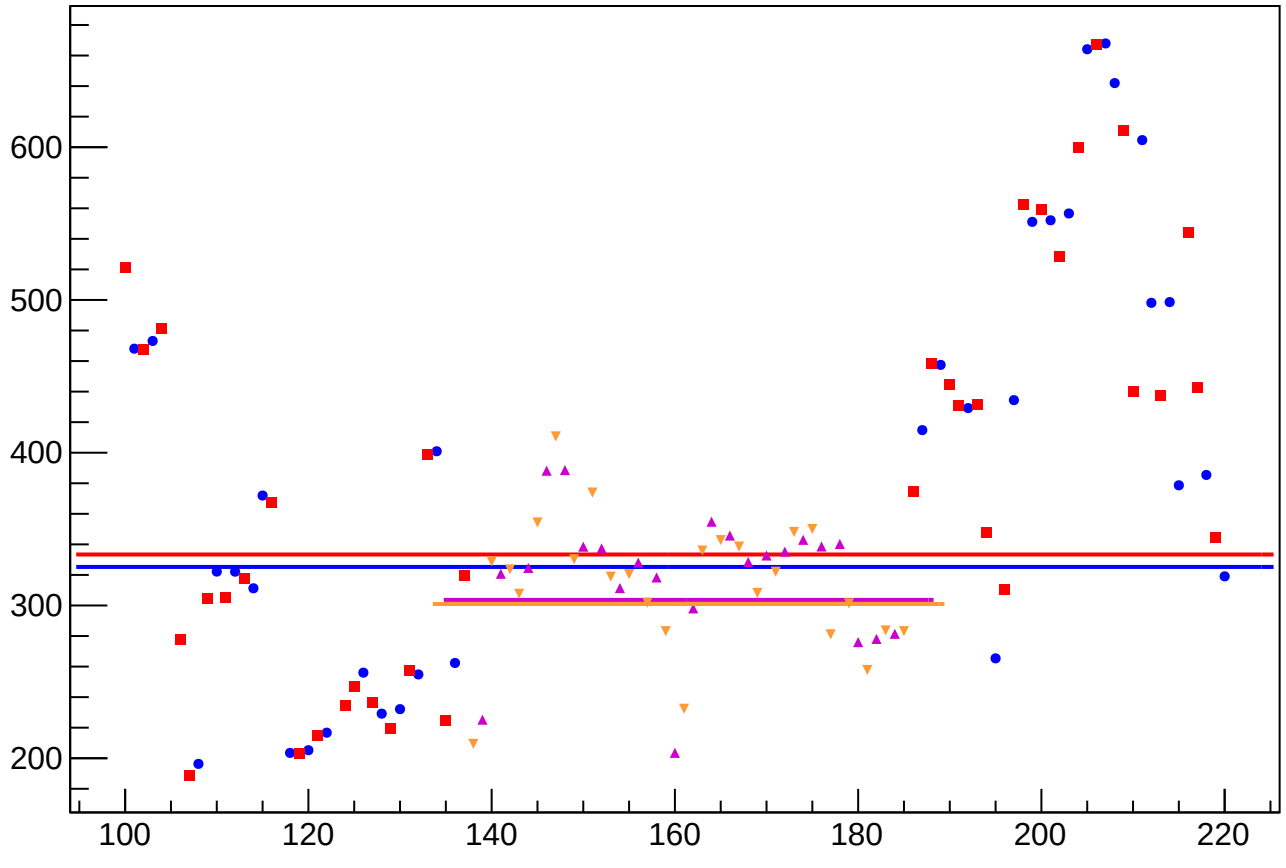
Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

Right: 140009.055+/-0.055 χ^2/NDF: 5742781063.5/

In: 139795.003+/-0.053 χ^2/NDF:4813077801.5/55

Out: 139649.535+/-0.052 χ^2/NDF:5488334344.4/6

All: 139720.823+/-0.037 χ^2/NDF: 10305236



Right In: 325.230+/-0.055 χ^2/NDF: 5317420.3/32

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 333.379+/-0.055 χ^2/NDF: 4846164.6/36

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

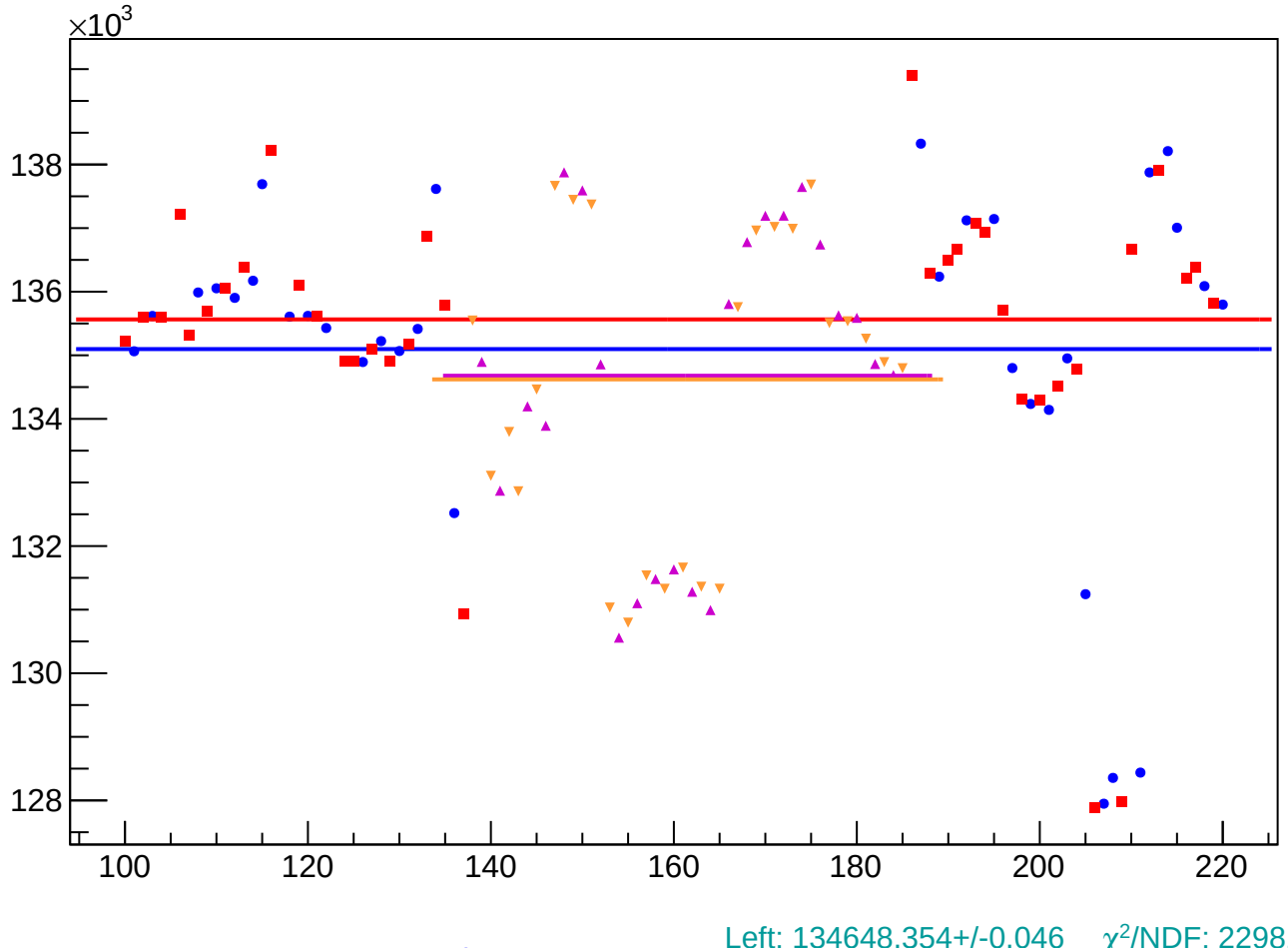
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 329.284+/-0.039 χ^2/NDF: 10174588.8/69

In: 313.793+/-0.038 χ^2/NDF:6375827.2/55

Out: 315.454+/-0.037 χ^2/NDF:5914628.2/61

All: 314.640+/-0.026 χ^2/NDF: 12291453.1/11



Right In: 135097.474+/-0.076 χ^2/NDF: 897978239.4/32

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135564.195+/-0.070 χ^2/NDF: 785468480.5/36

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

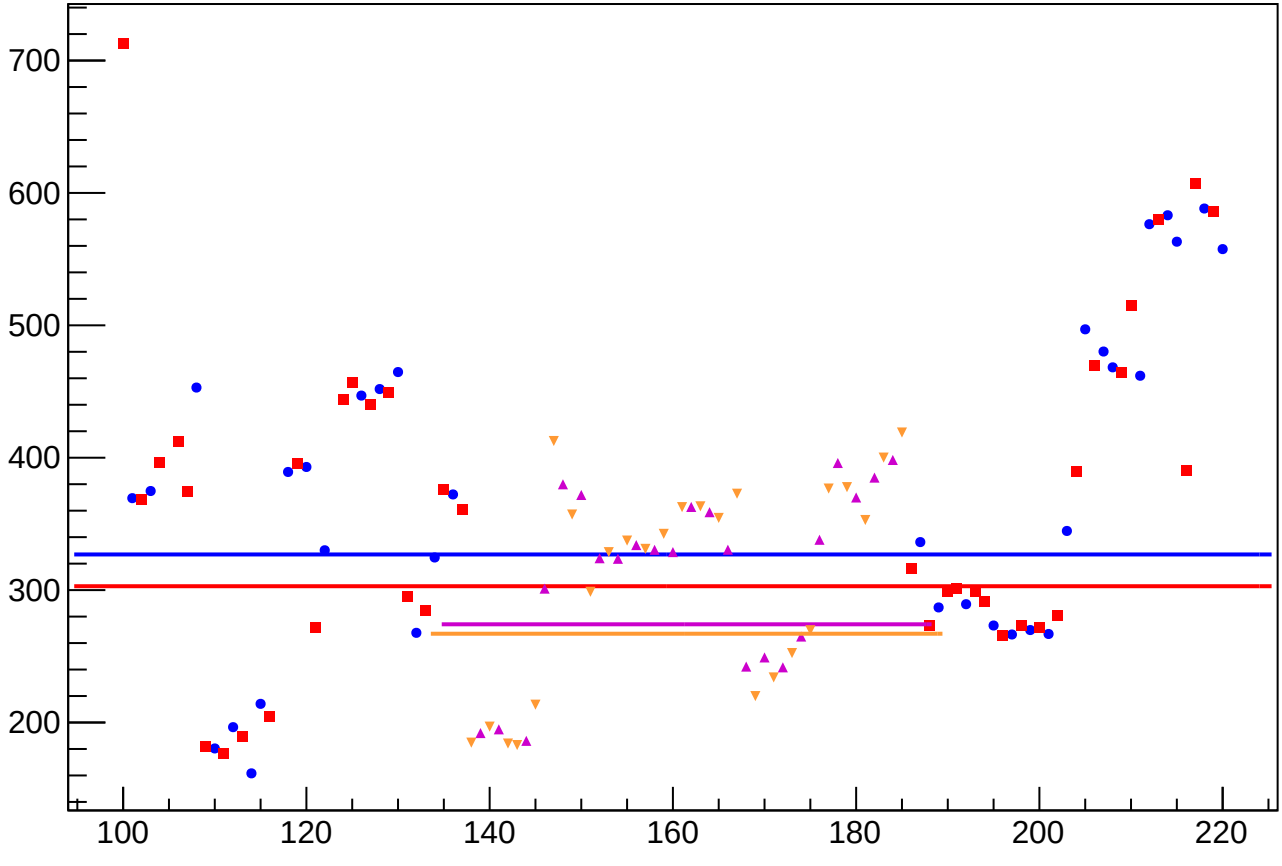
Right: 135350.681+/-0.051 χ^2/NDF: 1703898836.0/

In: 134861.361+/-0.050 χ^2/NDF:2011394073.7/55

Out: 135049.826+/-0.047 χ^2/NDF:2086532698.4/6

All: 134961.694+/-0.034 χ^2/NDF: 41054245

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 326.933+/-0.054 χ^2/NDF: 4243372.4/32

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 302.938+/-0.049 χ^2/NDF: 4149457.0/36

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

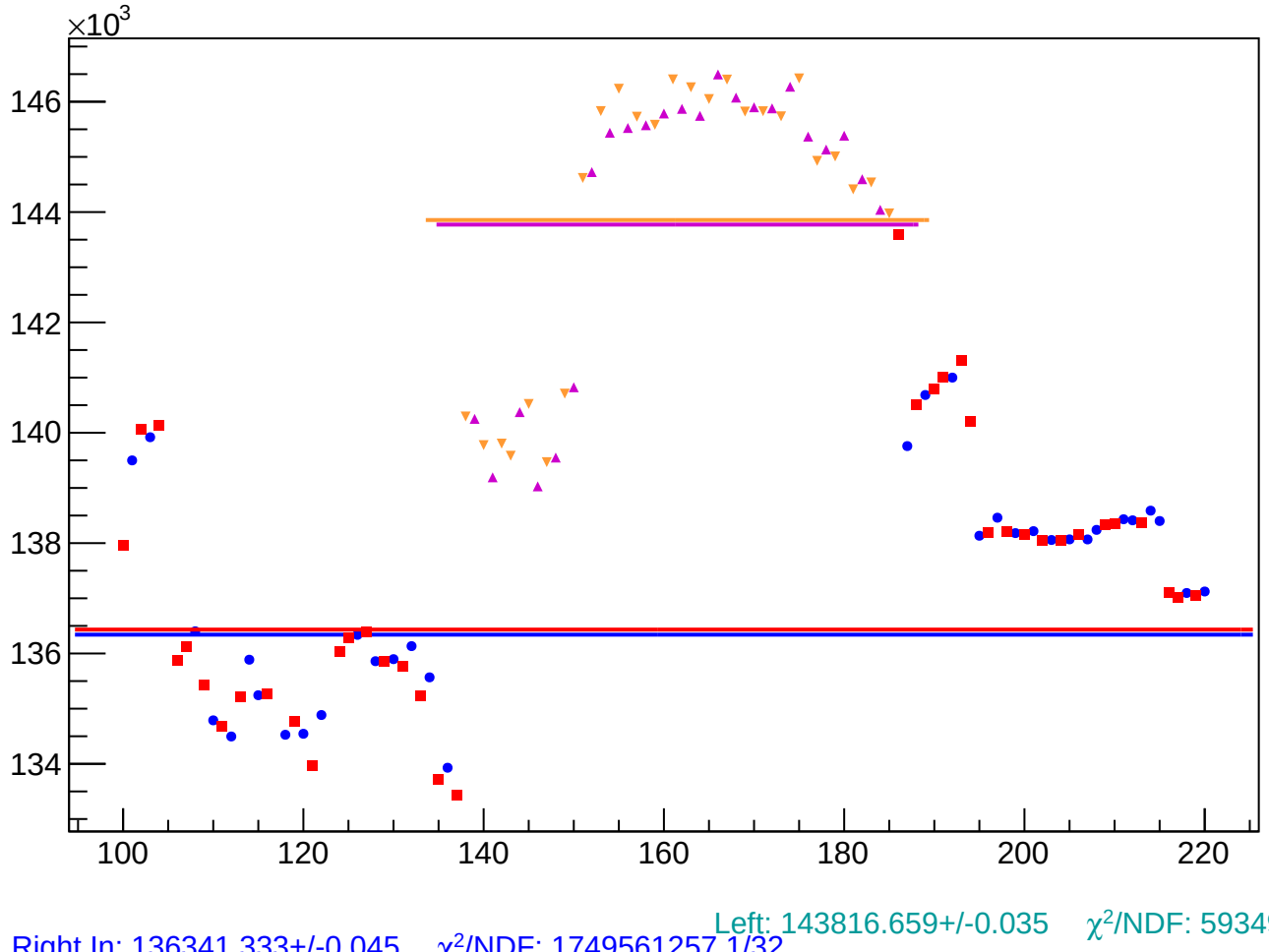
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 313.915+/-0.036 χ^2/NDF: 8500950.9/69

In: 297.203+/-0.036 χ^2/NDF:7023012.7/55

Out: 283.368+/-0.033 χ^2/NDF:7281012.3/61

All: 289.838+/-0.024 χ^2/NDF: 14384827.9/11



Right In: 136341.333+/-0.045 χ^2/NDF: 1749561257.1/32

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136433.142+/-0.043 χ^2/NDF: 2310730372.2/36

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

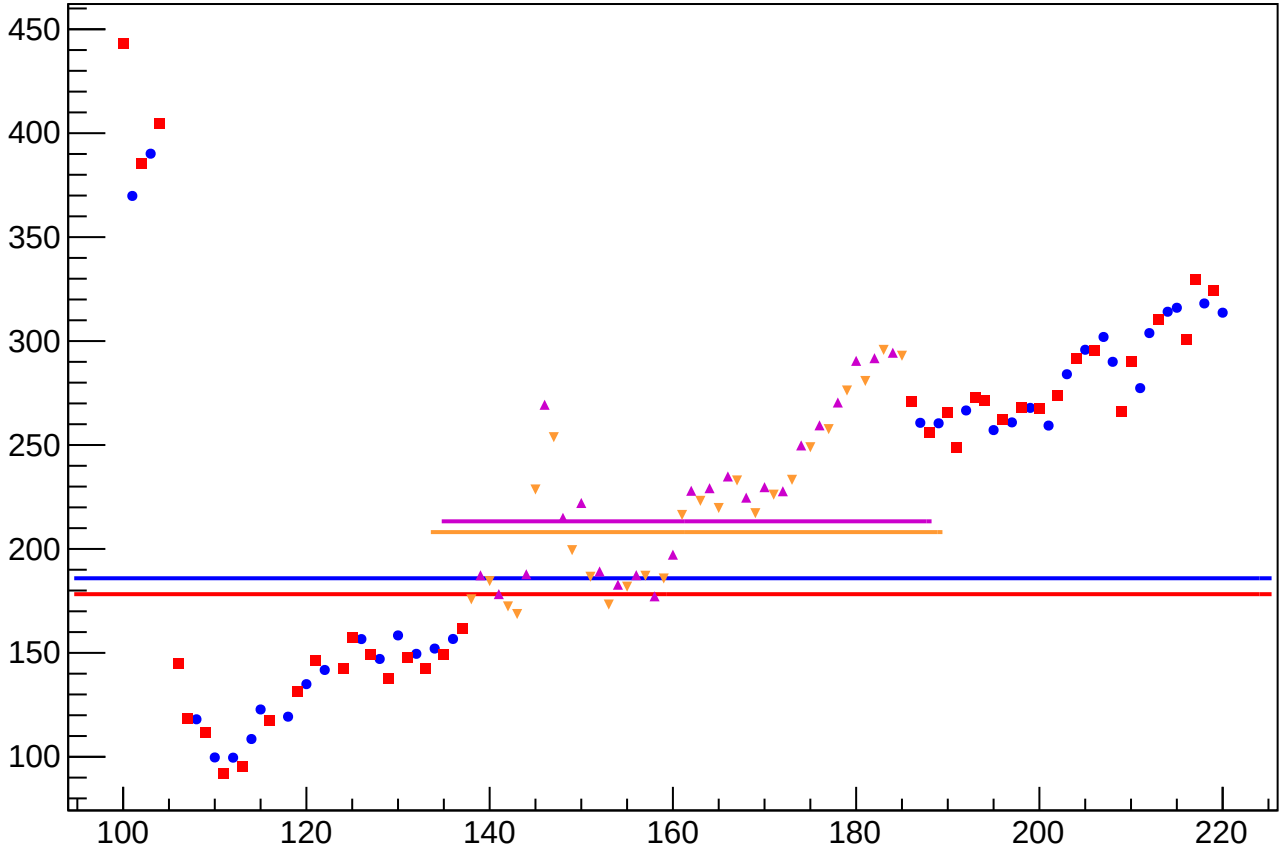
Right: 136389.223+/-0.031 χ^2/NDF: 4062504036.4/

In: 139565.924+/-0.034 χ^2/NDF:16611554888.0/5

Out: 139686.071+/-0.032 χ^2/NDF:18689603878.1

All: 139628.828+/-0.023 χ^2/NDF: 353078763

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 185.896+/-0.032 χ^2/NDF: 6433034.0/32

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 178.241+/-0.030 χ^2/NDF: 7070972.4/36

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

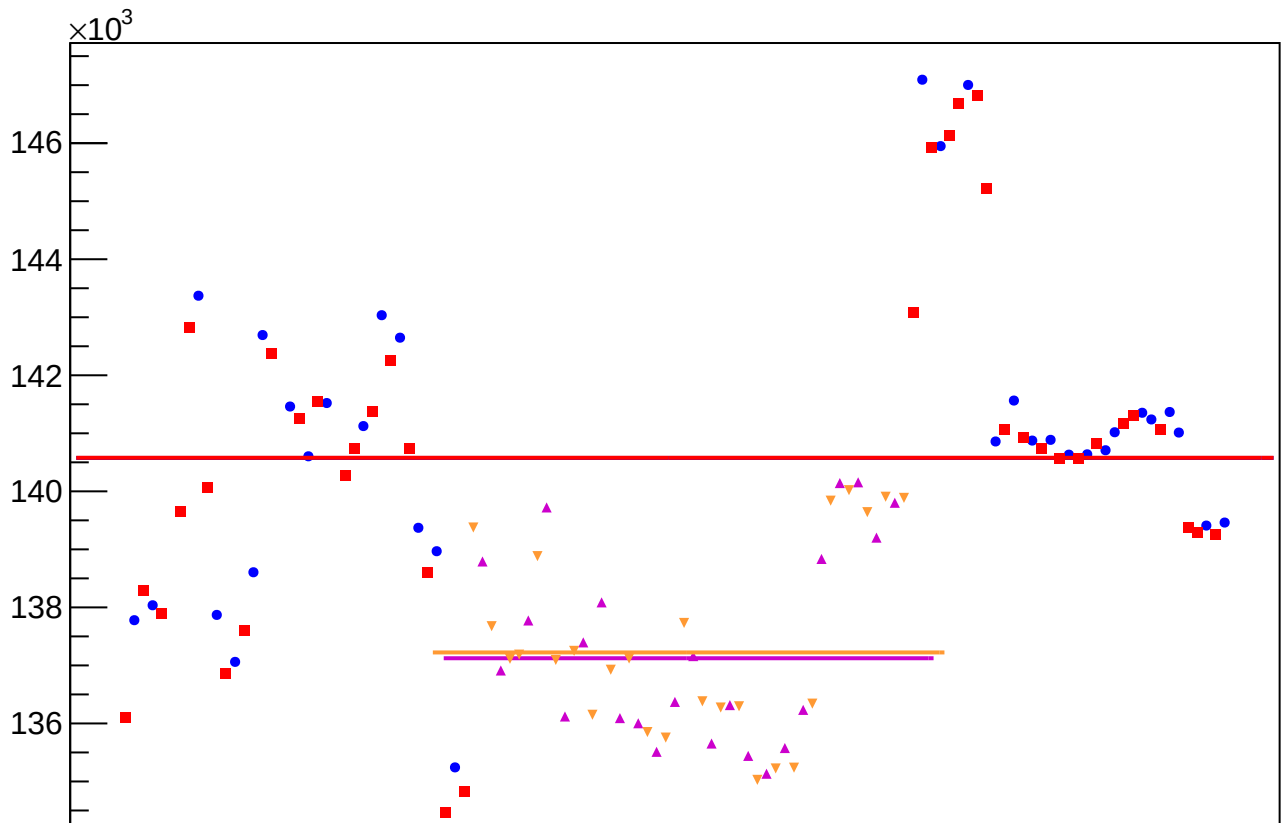
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 181.903+/-0.022 χ^2/NDF: 13534772.7/69

In: 197.781+/-0.024 χ^2/NDF:7626181.0/55

Out: 191.326+/-0.023 χ^2/NDF:8492768.3/61

All: 194.402+/-0.016 χ^2/NDF: 16157728.7/11



Right In: 140575.265+/-0.050 χ^2/NDF: 2842388212.0/32

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140578.203+/-0.048 χ^2/NDF: 3280032737.9/36

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

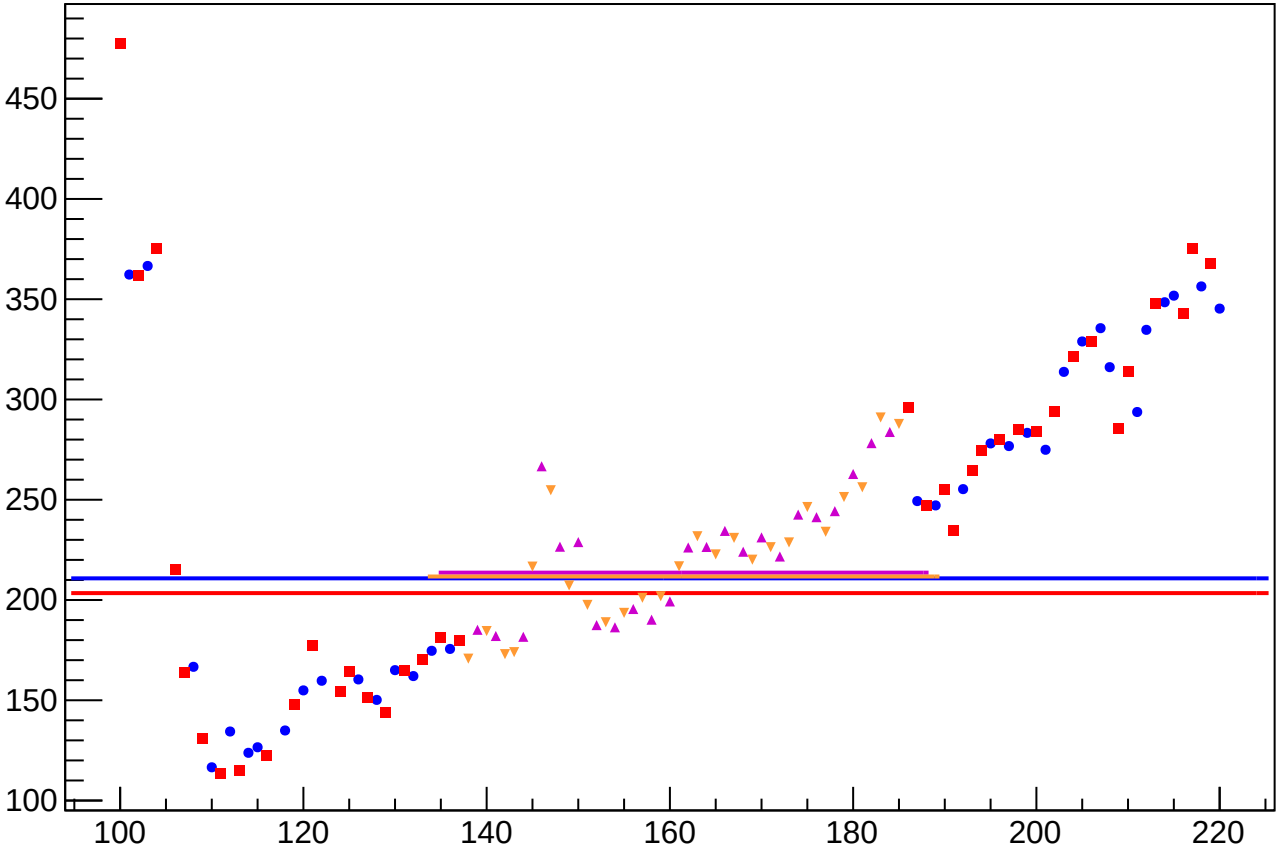
Right: 140576.791+/-0.034 χ^2/NDF: 6122422760.1/

In: 138888.767+/-0.036 χ^2/NDF:6054147397.1/55

Out: 138941.878+/-0.034 χ^2/NDF:6570612695.6/6

All: 138916.332+/-0.025 χ^2/NDF: 12625916

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 210.800+/-0.035 χ^2/NDF: 5244430.0/32

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 203.440+/-0.034 χ^2/NDF: 5769693.9/36

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

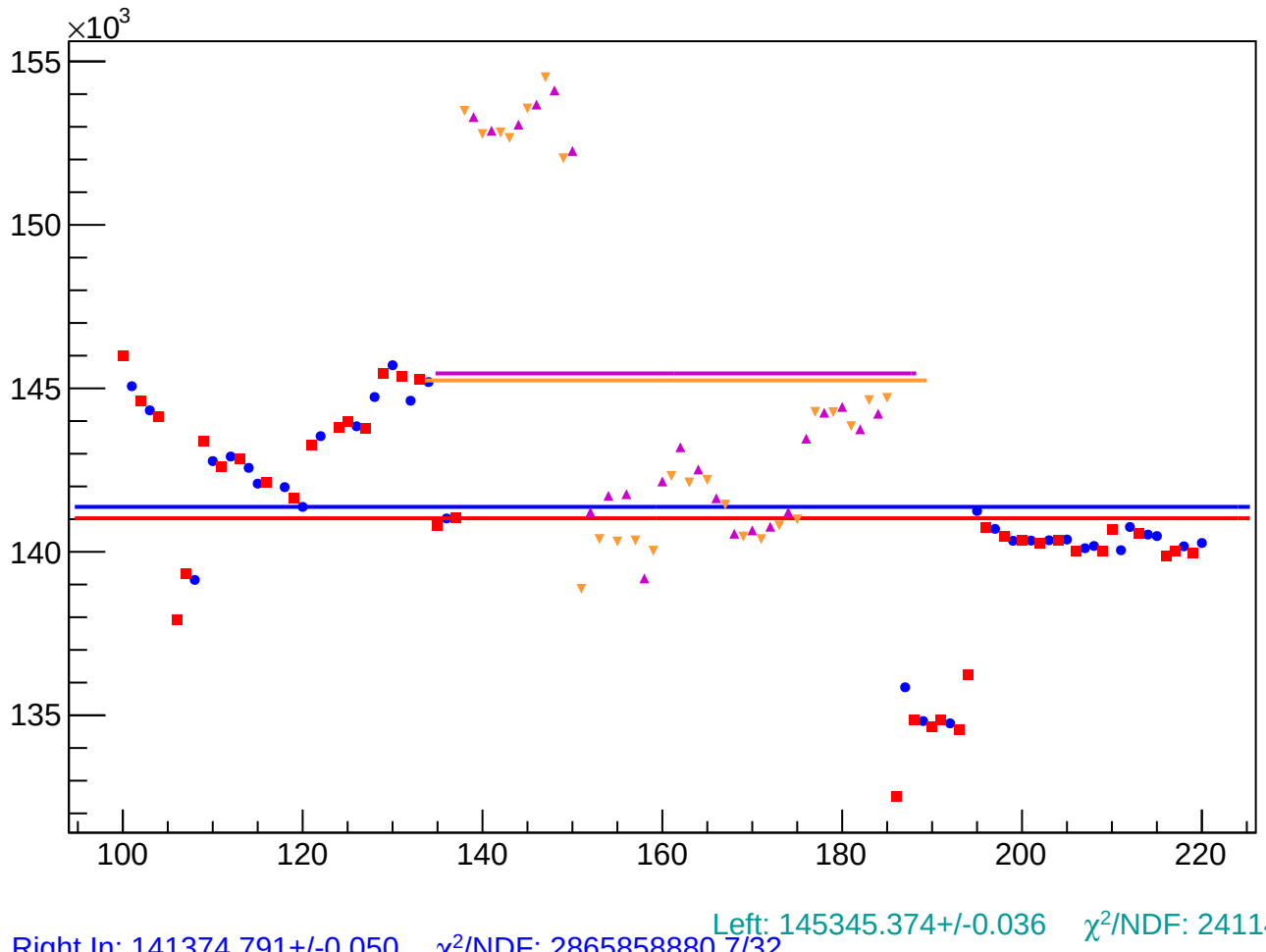
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 206.977+/-0.024 χ^2/NDF: 11036853.9/69

In: 212.188+/-0.025 χ^2/NDF:5868946.5/55

Out: 207.476+/-0.024 χ^2/NDF:6474434.2/61

All: 209.742+/-0.017 χ^2/NDF: 12361584.5/1



Right In: 141374.791+/-0.050 χ^2/NDF: 2865858880.7/32

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141026.069+/-0.047 χ^2/NDF: 4454599668.7/36

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

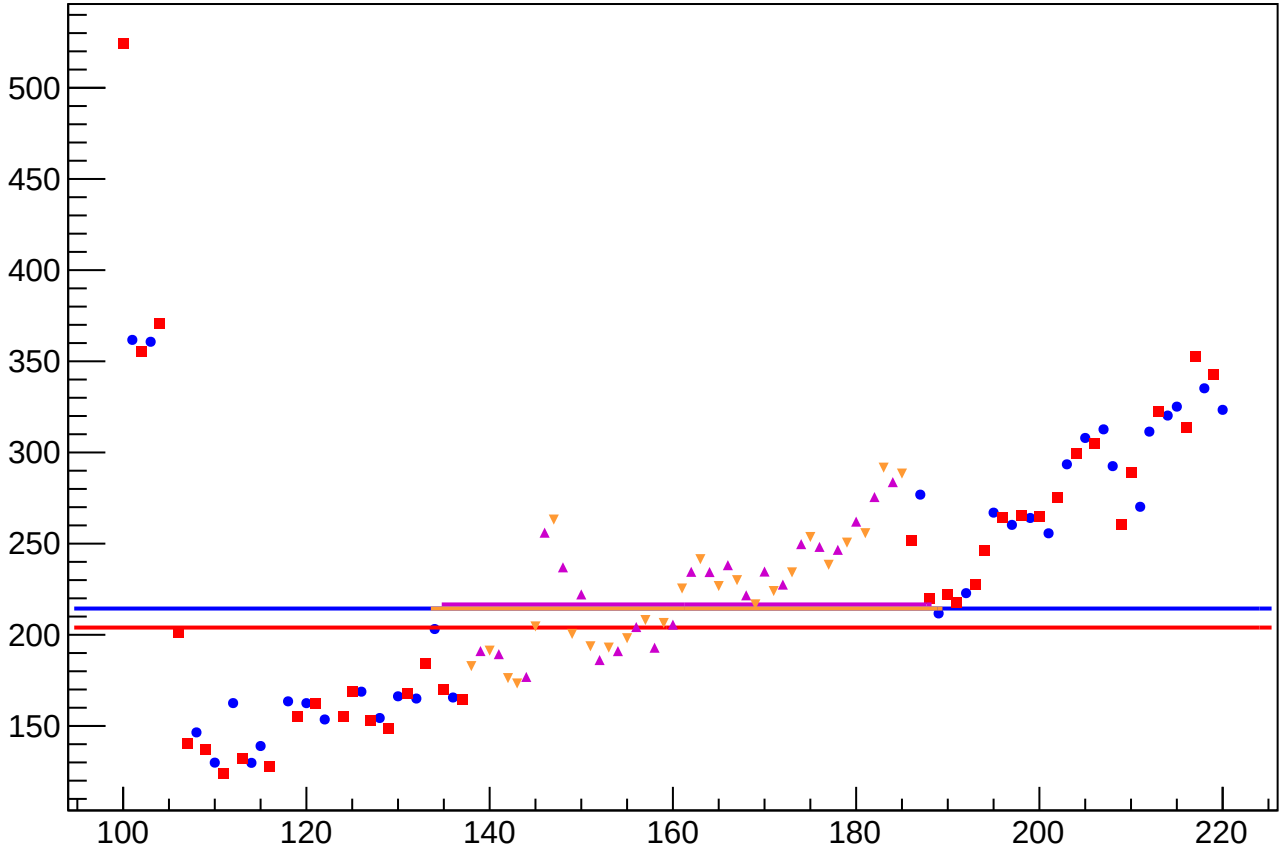
Right: 141191.122+/-0.034 χ^2/NDF: 7346443272.4/

In: 143337.890+/-0.036 χ^2/NDF:17189793999.7/5

Out: 143022.794+/-0.034 χ^2/NDF:21288268336.9

All: 143173.036+/-0.025 χ^2/NDF: 38518660

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 214.405+/-0.035 χ^2/NDF: 3800229.3/32

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 203.971+/-0.033 χ^2/NDF: 4269444.7/36

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

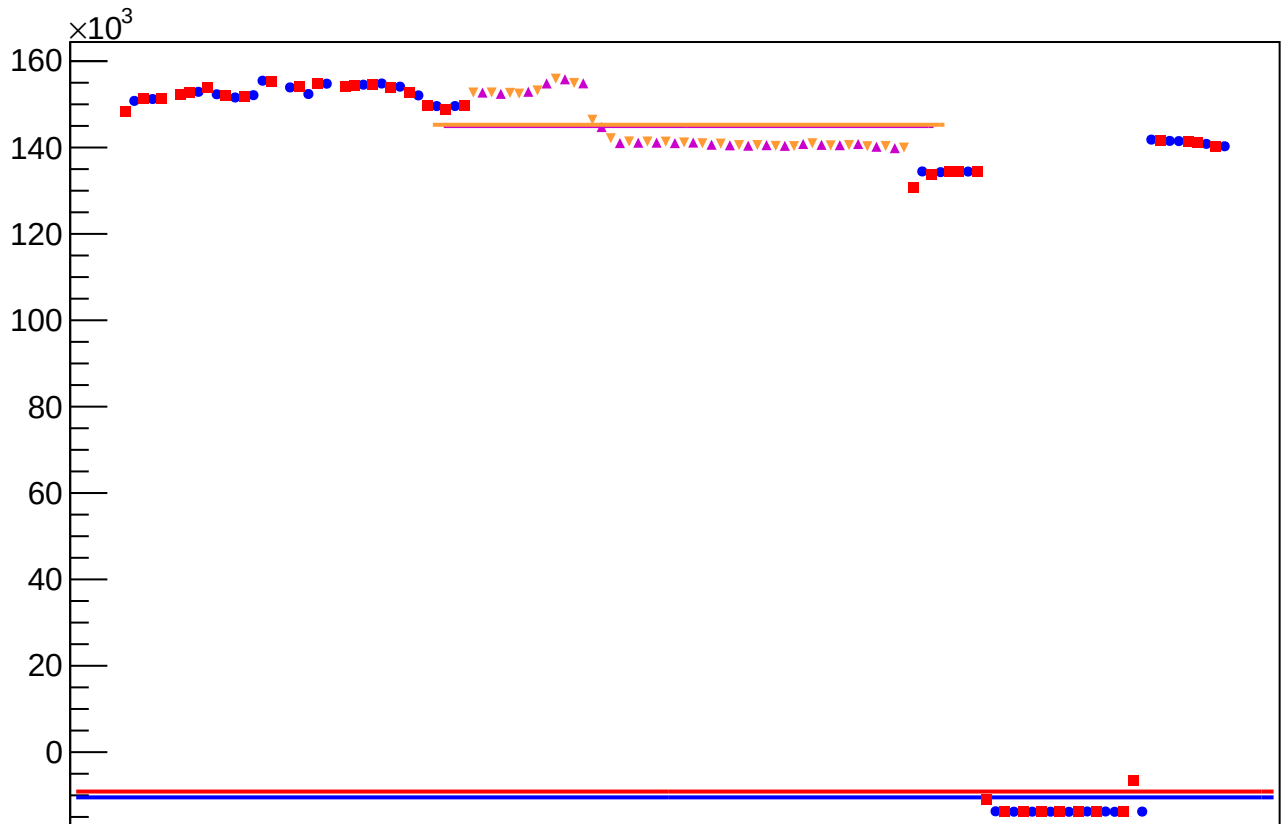
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 208.910+/-0.024 χ^2/NDF: 8116203.5/69

In: 215.487+/-0.025 χ^2/NDF:4389369.4/55

Out: 208.906+/-0.024 χ^2/NDF:4959258.4/61

All: 212.044+/-0.017 χ^2/NDF: 9384049.2/117



Right In: -10470.451+/-0.009 χ^2/NDF: 6876547847358.9/32

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

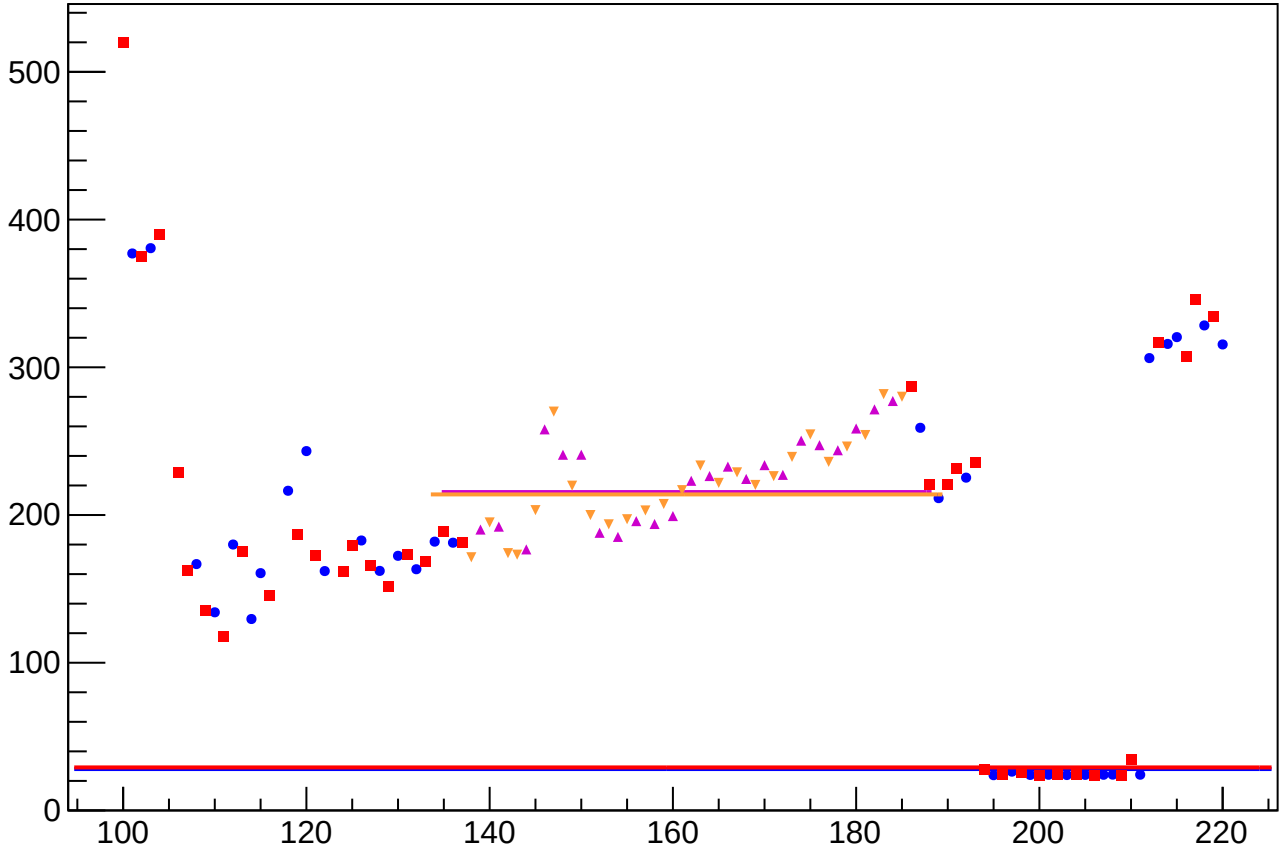
Right: -9842.489+/-0.006 χ^2/NDF: 1474061813768

In: -6075.562+/-0.009 χ^2/NDF:15844167036186.5

Out: -3752.186+/-0.009 χ^2/NDF:17299280929128

All: -4991.809+/-0.006 χ^2/NDF: 3317741392

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 28.034+/-0.006 χ^2/NDF: 19926291.7/32

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

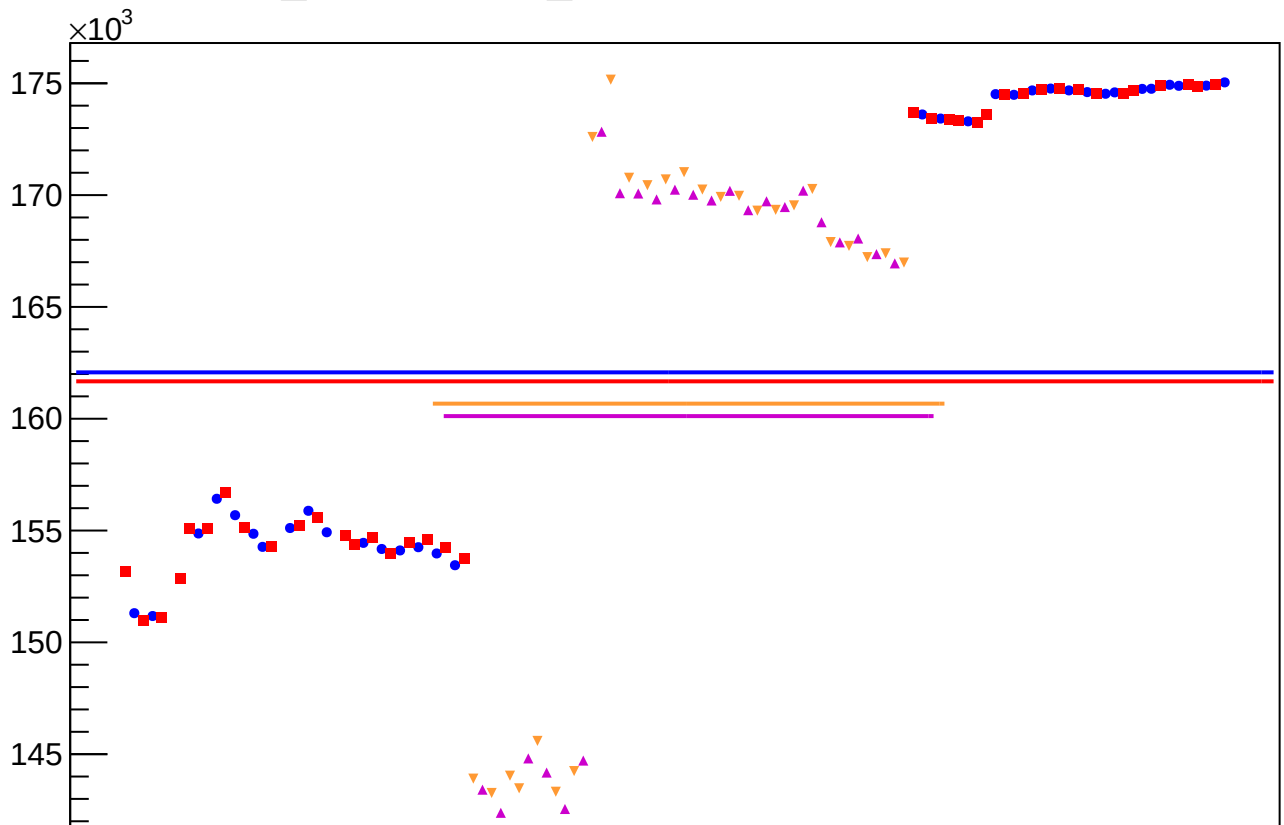
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.545+/-0.005 χ^2/NDF: 39989686.7/69

In: 33.335+/-0.006 χ^2/NDF:46587593.1/55

Out: 35.559+/-0.007 χ^2/NDF:47733446.9/61

All: 34.373+/-0.004 χ^2/NDF: 94383259.8/117



Right In: 162073.984+/-0.052 χ^2/NDF: 34450286907.7/32

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 161672.266+/-0.049 χ^2/NDF: 36338249344.6/36

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

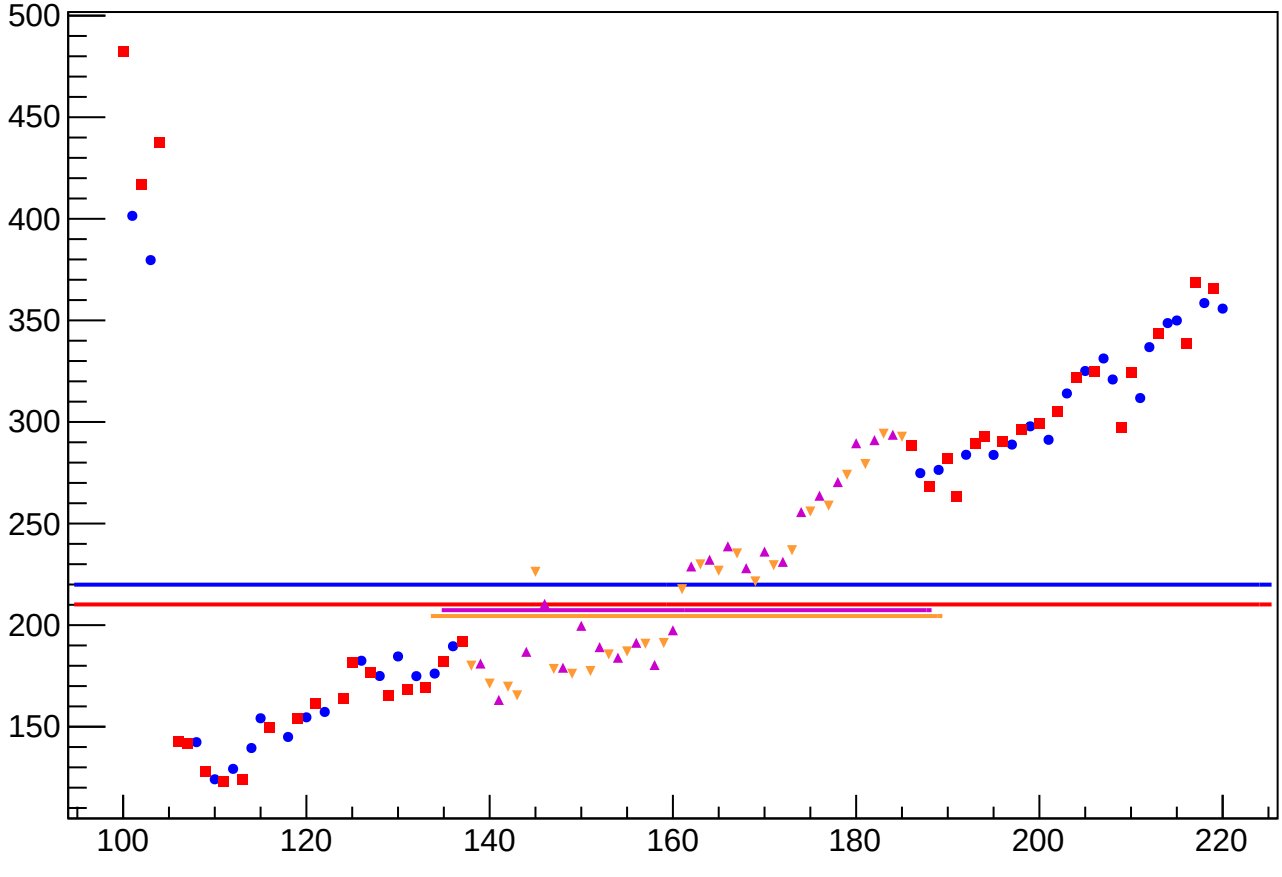
Right: 161862.969+/-0.036 χ^2/NDF: 70820261023.8

In: 161051.357+/-0.036 χ^2/NDF:101752278295.9

Out: 161155.474+/-0.034 χ^2/NDF:110706845246.

All: 161105.801+/-0.025 χ^2/NDF: 21246356

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 219.926+/-0.037 χ^2/NDF: 5107564.9/32

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 210.181+/-0.035 χ^2/NDF: 5737529.4/36

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

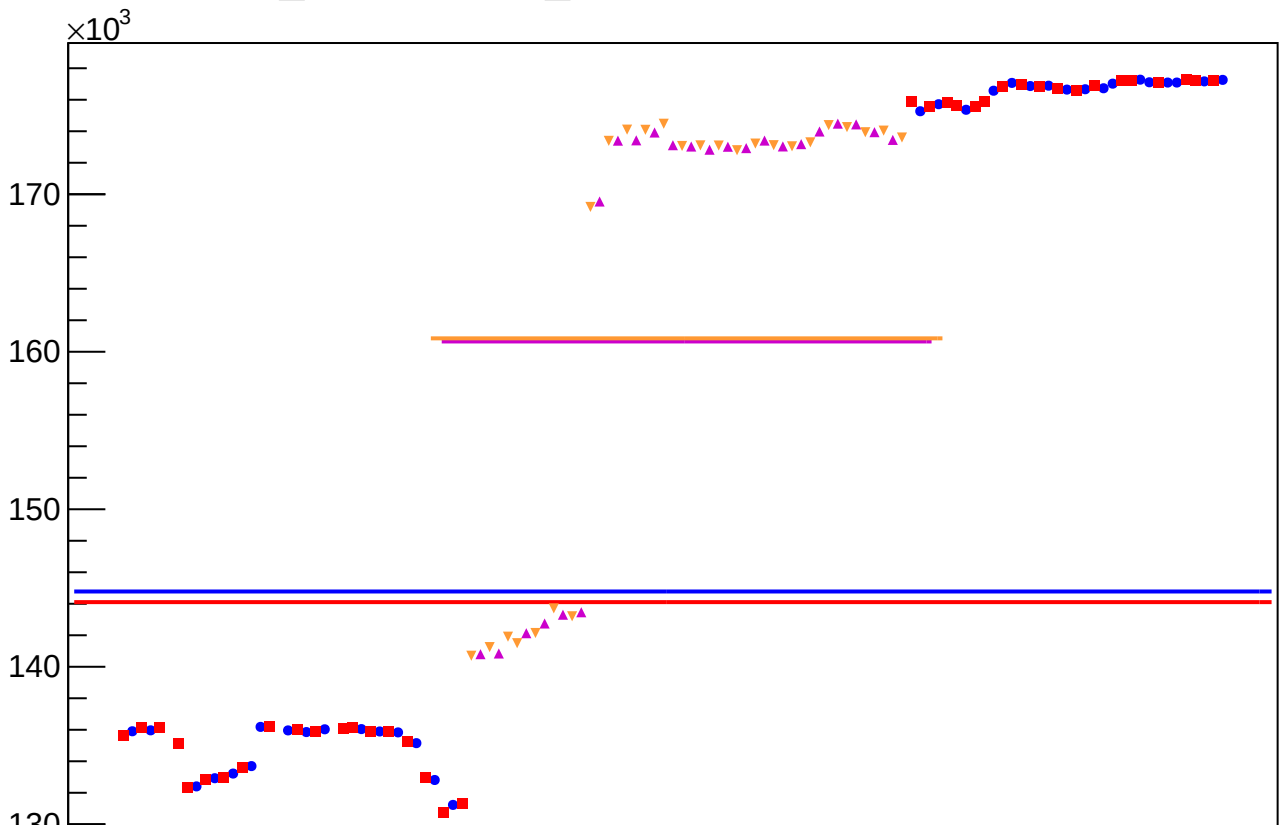
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 214.807+/-0.025 χ^2/NDF: 10882427.7/69

In: 213.362+/-0.025 χ^2/NDF:6125899.1/55

Out: 207.225+/-0.024 χ^2/NDF:6824694.9/61

All: 210.153+/-0.017 χ^2/NDF: 12981475.8/11



Right In: 144779.642+/-0.044 χ^2/NDF: 173774348357.5/32

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 144104.276+/-0.042 χ^2/NDF: 183824521890.7/36

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

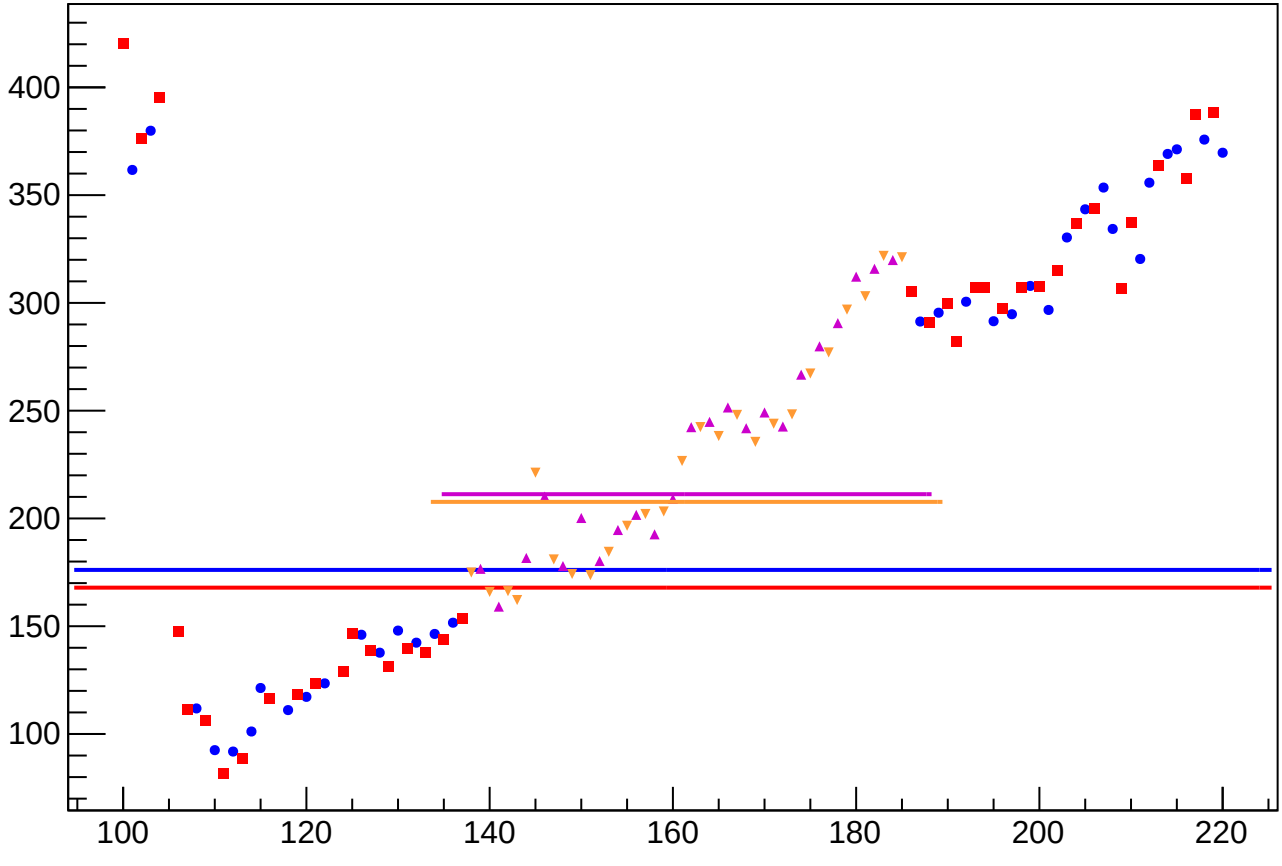
Right: 144425.540+/-0.030 χ^2/NDF: 357721889714

In: 151629.744+/-0.033 χ^2/NDF:319861857547.0

Out: 151292.307+/-0.032 χ^2/NDF:351279286058.

All: 151453.161+/-0.023 χ^2/NDF: 67119506

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 176.125+/-0.031 χ^2/NDF: 9397004.5/32

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 167.894+/-0.030 χ^2/NDF: 10129841.9/36

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

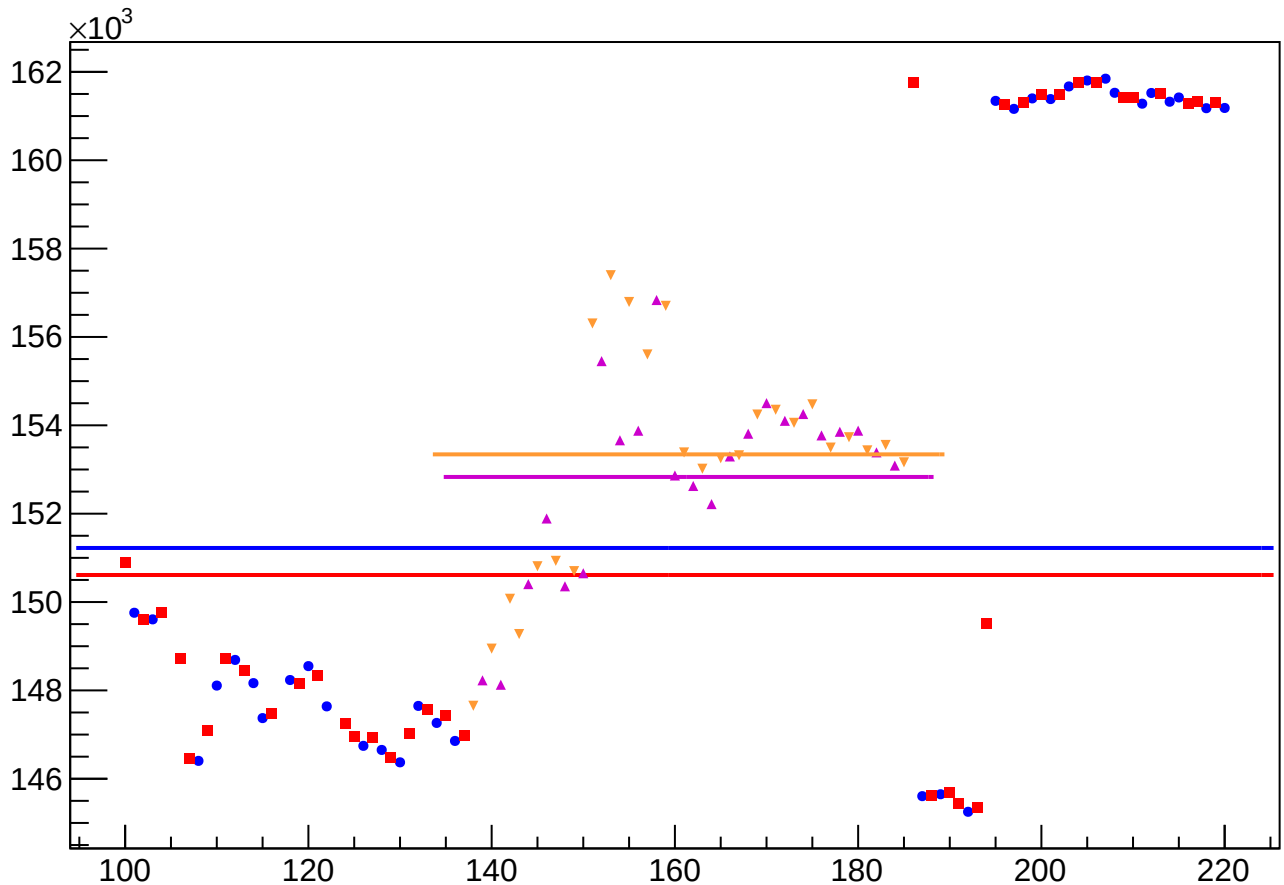
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 171.809+/-0.022 χ^2/NDF: 19563396.6/69

In: 191.284+/-0.024 χ^2/NDF:11250594.2/55

Out: 184.975+/-0.022 χ^2/NDF:12401363.4/61

All: 187.982+/-0.016 χ^2/NDF: 23689658.3/1



Right In: 151223.921+/-0.051 χ^2/NDF: 15294305493.9/32

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 150612.172+/-0.048 χ^2/NDF: 14507013373.1/36

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

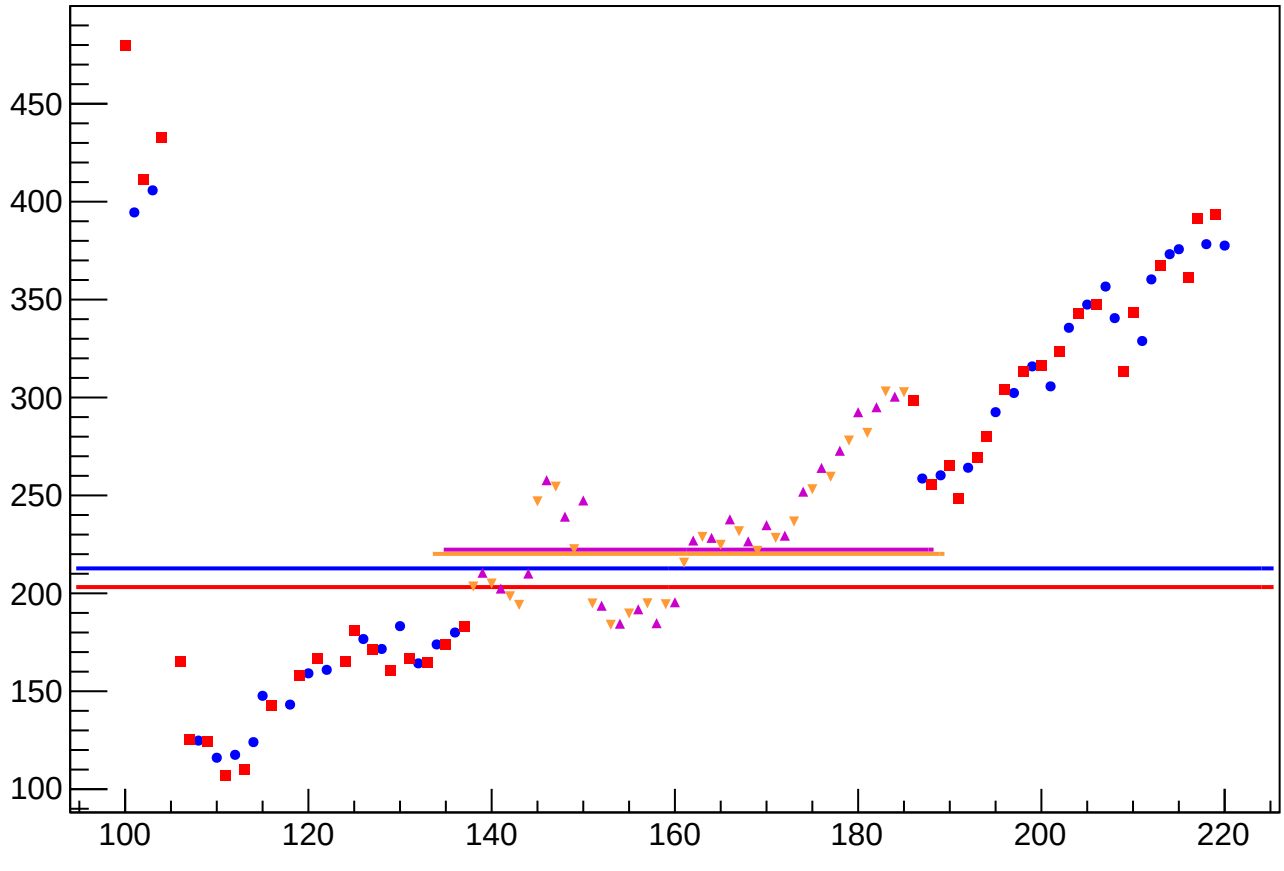
Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

Right: 150902.388+/-0.035 χ^2/NDF: 29877132162.

In: 151998.791+/-0.037 χ^2/NDF:17688788426.7/5

Out: 151911.082+/-0.035 χ^2/NDF:19000078382.5

All: 151952.956+/-0.025 χ^2/NDF: 36691858



Right In: 212.737+/-0.036 χ^2/NDF: 6431072.4/32

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 203.197+/-0.034 χ^2/NDF: 6932426.3/36

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

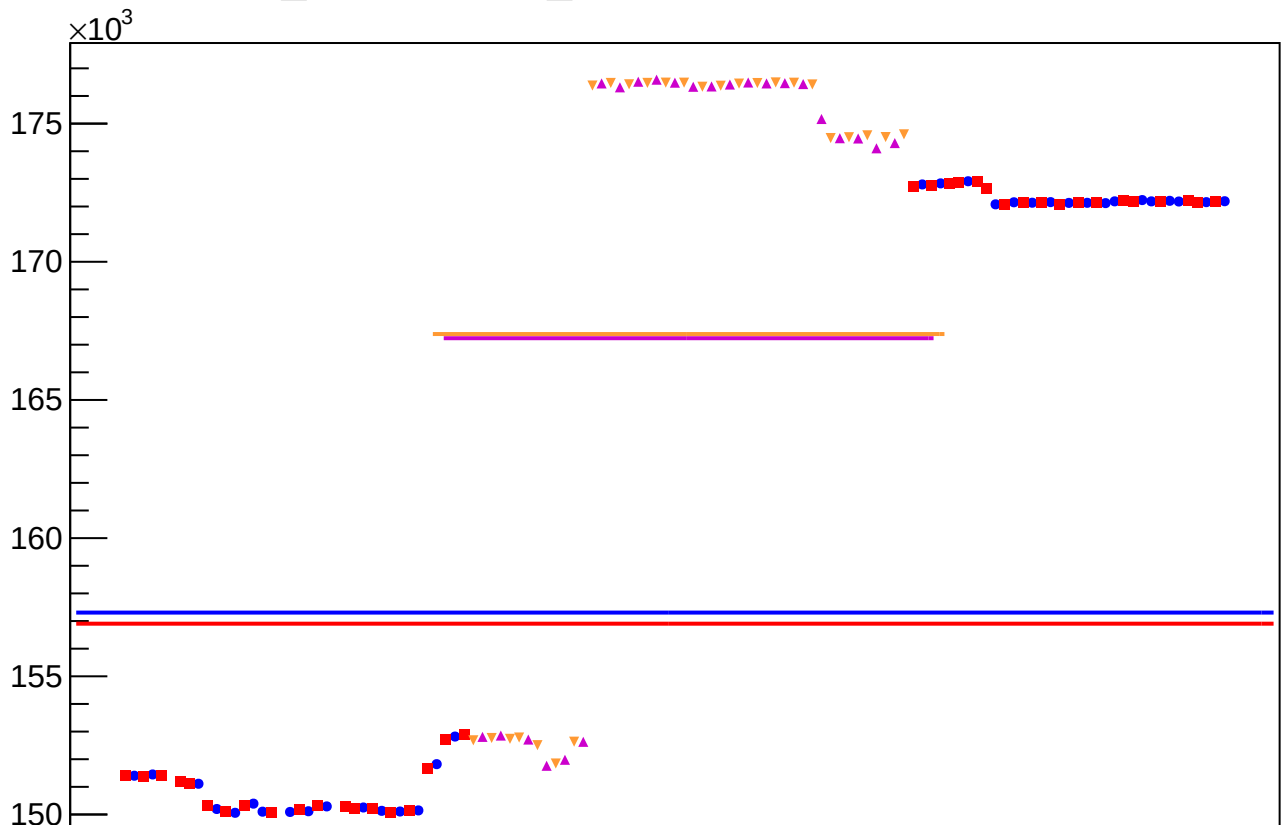
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 207.723+/-0.025 χ^2/NDF: 13400371.9/69

In: 217.349+/-0.026 χ^2/NDF:7162691.8/55

Out: 211.265+/-0.025 χ^2/NDF:7734868.8/61

All: 214.169+/-0.018 χ^2/NDF: 14926346.6/11



Right In: 157305.976+/-0.045 χ^2/NDF: 49264631676.4/32

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

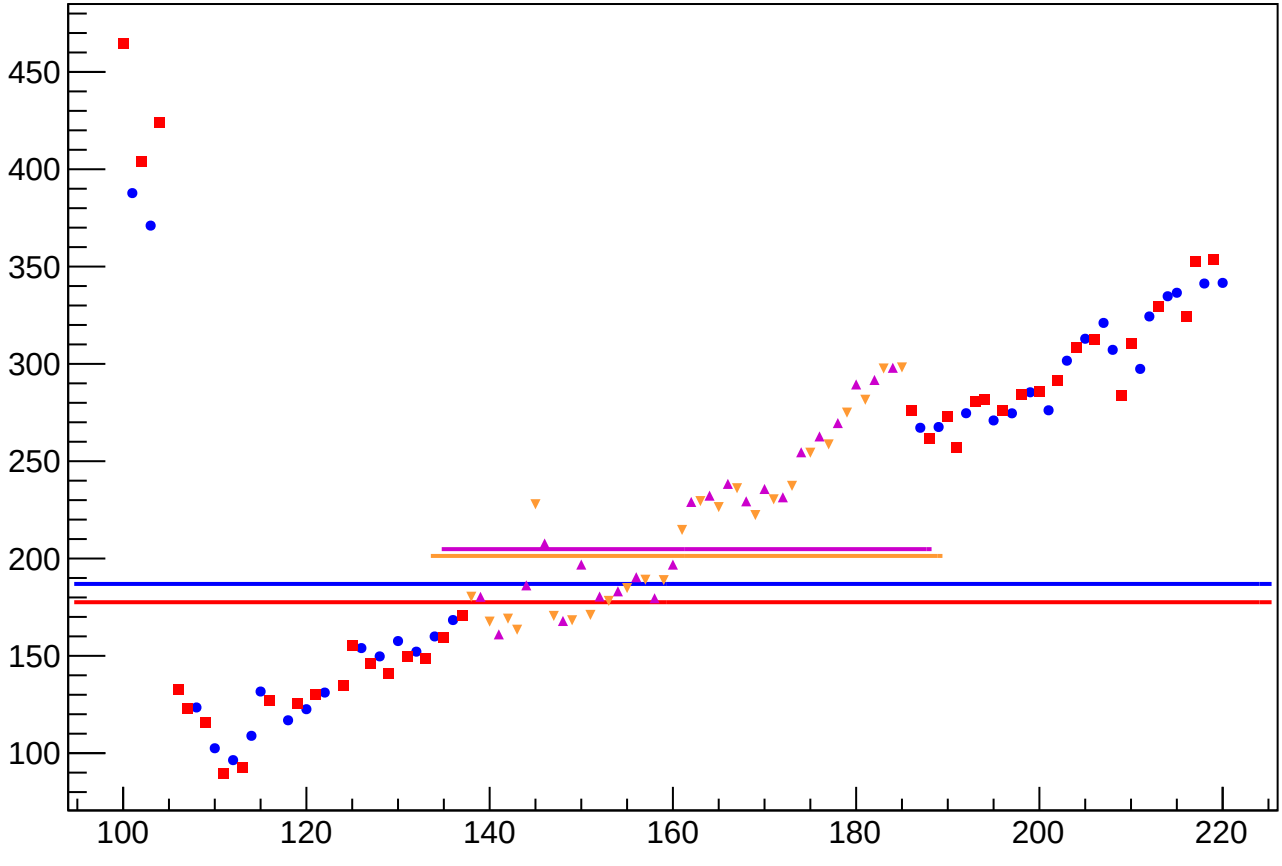
Right: 157094.157+/-0.031 χ^2/NDF: 102671512640

In: 161899.267+/-0.033 χ^2/NDF:126541391051.6

Out: 161700.257+/-0.032 χ^2/NDF:140252678430.

All: 161794.766+/-0.023 χ^2/NDF: 26681289

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 186.944+/-0.032 χ^2/NDF: 7245954.3/32

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

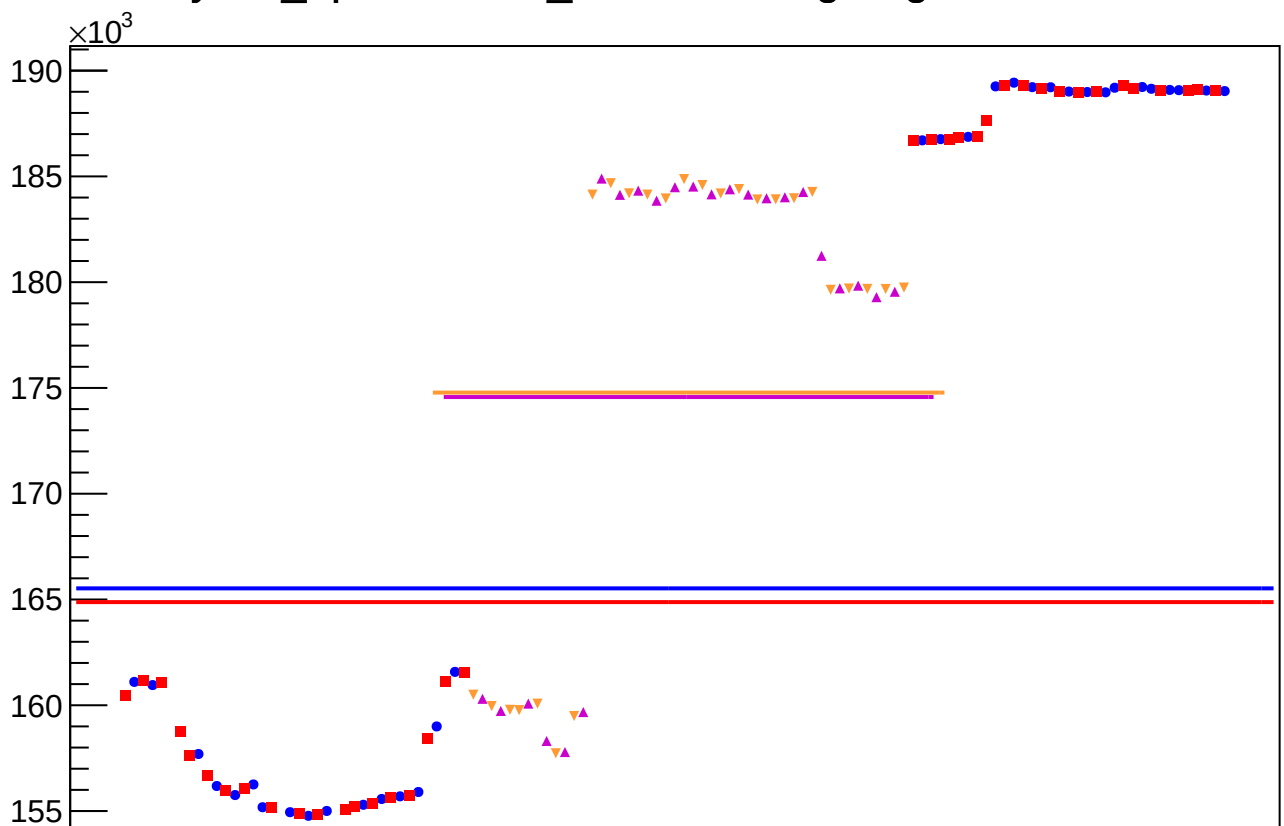
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 181.990+/-0.022 χ^2/NDF: 15312421.0/69

In: 195.217+/-0.024 χ^2/NDF:8442970.5/55

Out: 188.431+/-0.022 χ^2/NDF:9532694.0/61

All: 191.654+/-0.016 χ^2/NDF: 18019429.5/11



Right In: 165525.535+/-0.048 χ^2/NDF: 91960424407.6/32

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 164876.168+/-0.046 χ^2/NDF: 96683125727.7/36

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

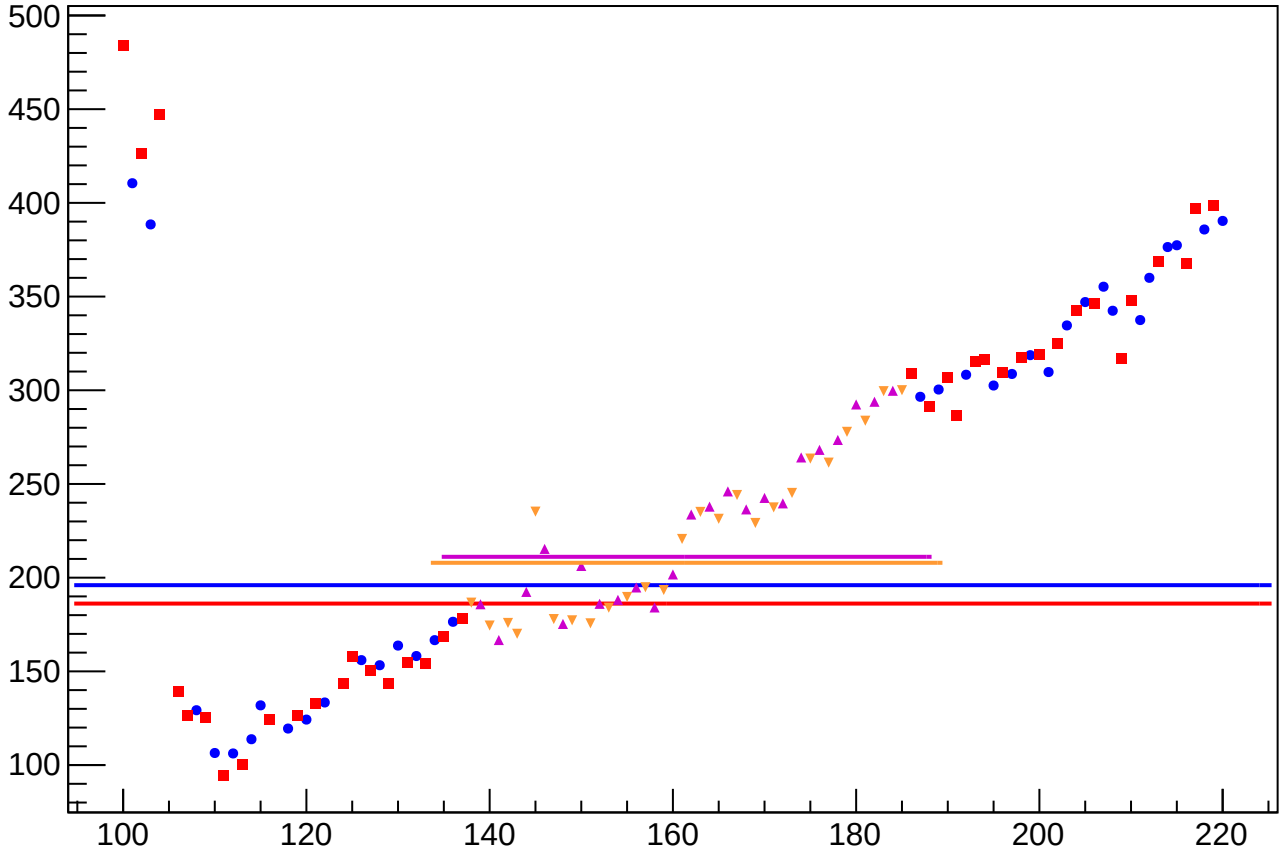
Right: 165182.879+/-0.033 χ^2/NDF: 188739284302

In: 169852.844+/-0.035 χ^2/NDF:163557330816.0

Out: 169554.745+/-0.033 χ^2/NDF:177089655179.

All: 169696.405+/-0.024 χ^2/NDF: 34068545

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 195.995+/-0.034 χ^2/NDF: 8180766.5/32

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 186.173+/-0.032 χ^2/NDF: 8929298.5/36

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

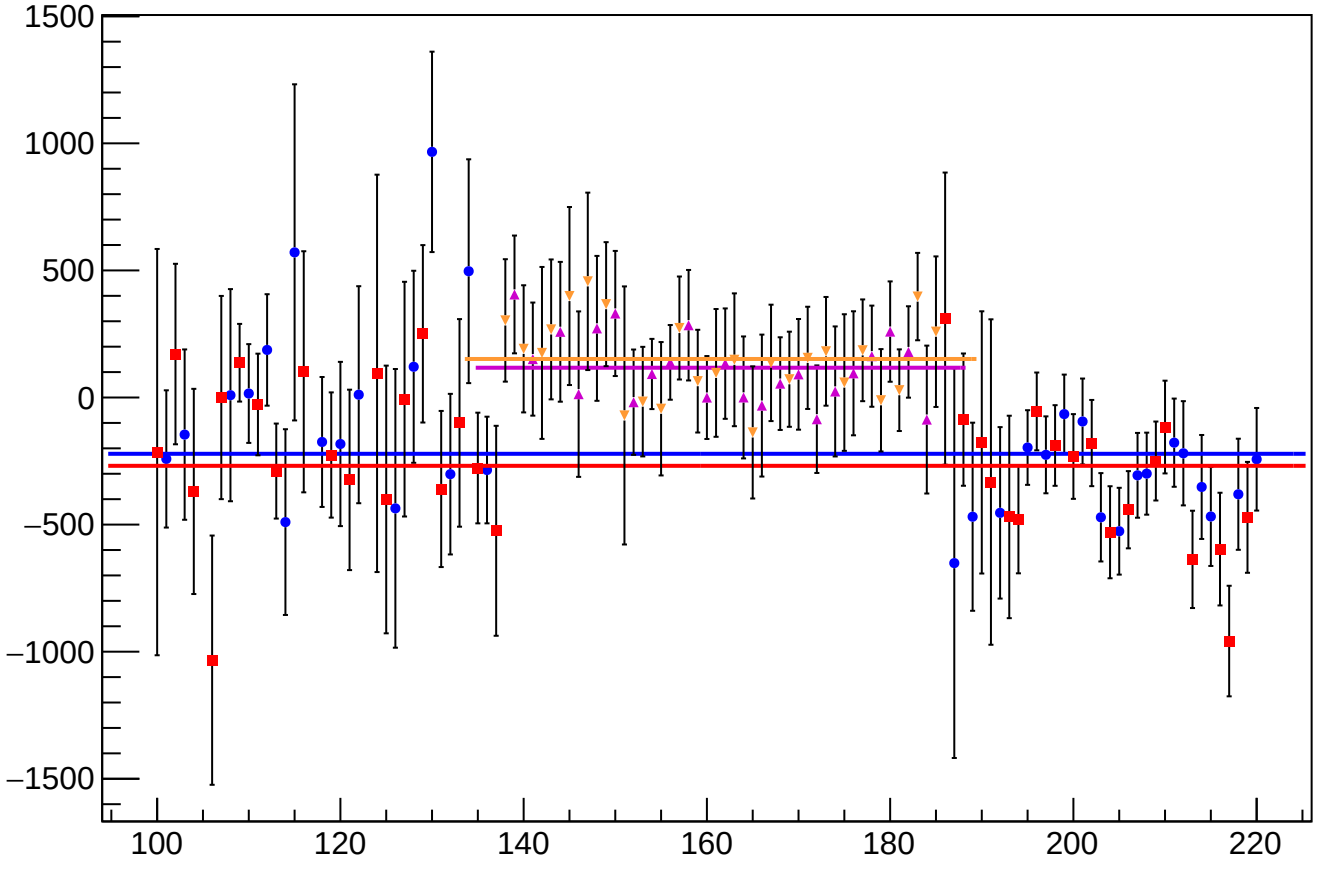
Right: 190.812+/-0.023 χ^2/NDF: 17153871.4/69

In: 203.238+/-0.025 χ^2/NDF:9268830.8/55

Out: 196.455+/-0.023 χ^2/NDF:10276572.4/61

All: 199.678+/-0.017 χ^2/NDF: 19585241.0/11

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -221.460+/-39.246 χ^2/NDF: 31.7/32

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -268.770+/-39.109 χ^2/NDF: 43.3/36

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

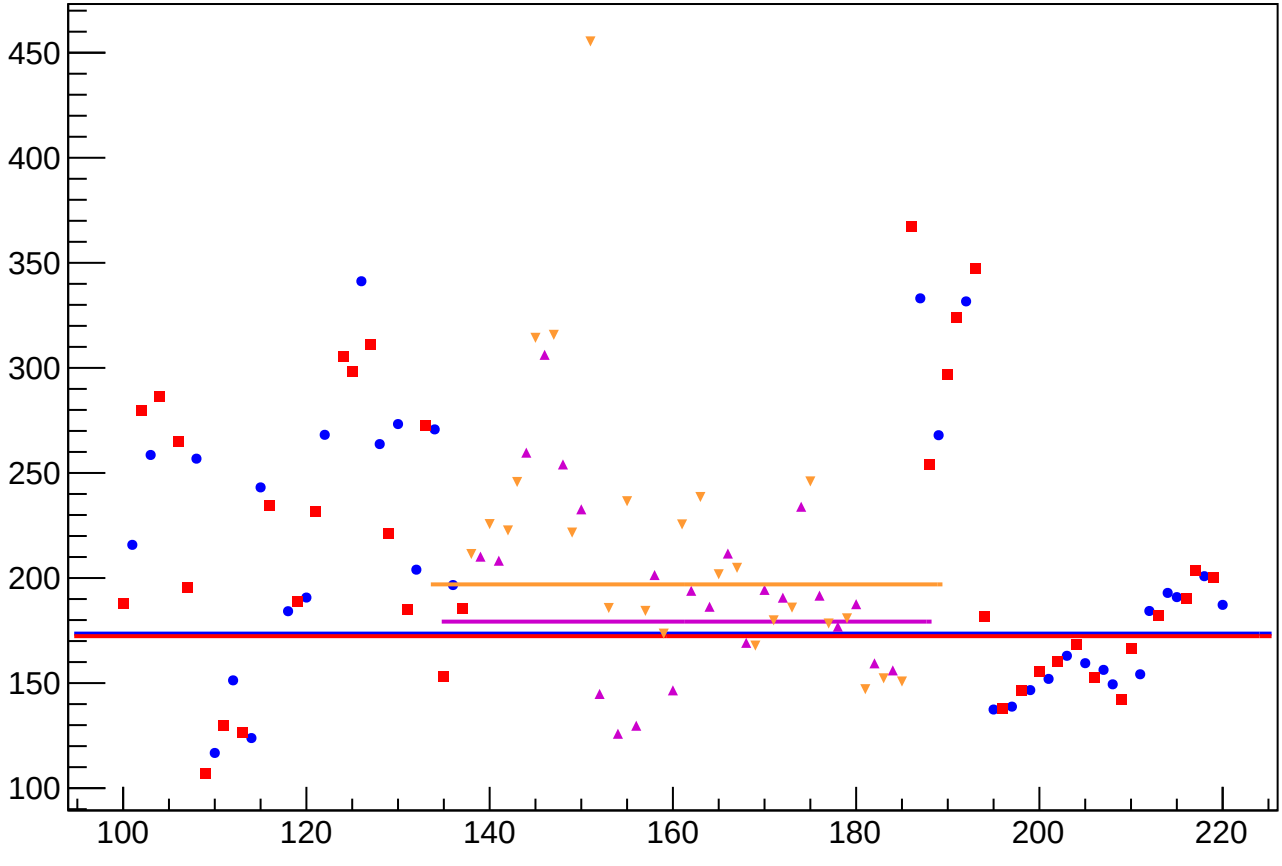
Right: -245.197+/-27.703 χ^2/NDF: 75.8/69

In: -70.578+/-29.222 χ^2/NDF:72.4/55

Out: -94.253+/-29.909 χ^2/NDF:100.9/61

All: -82.141+/-20.902 χ^2/NDF: 173.6/117

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 173.546+/-0.028 χ^2/NDF: 2351569.2/32

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

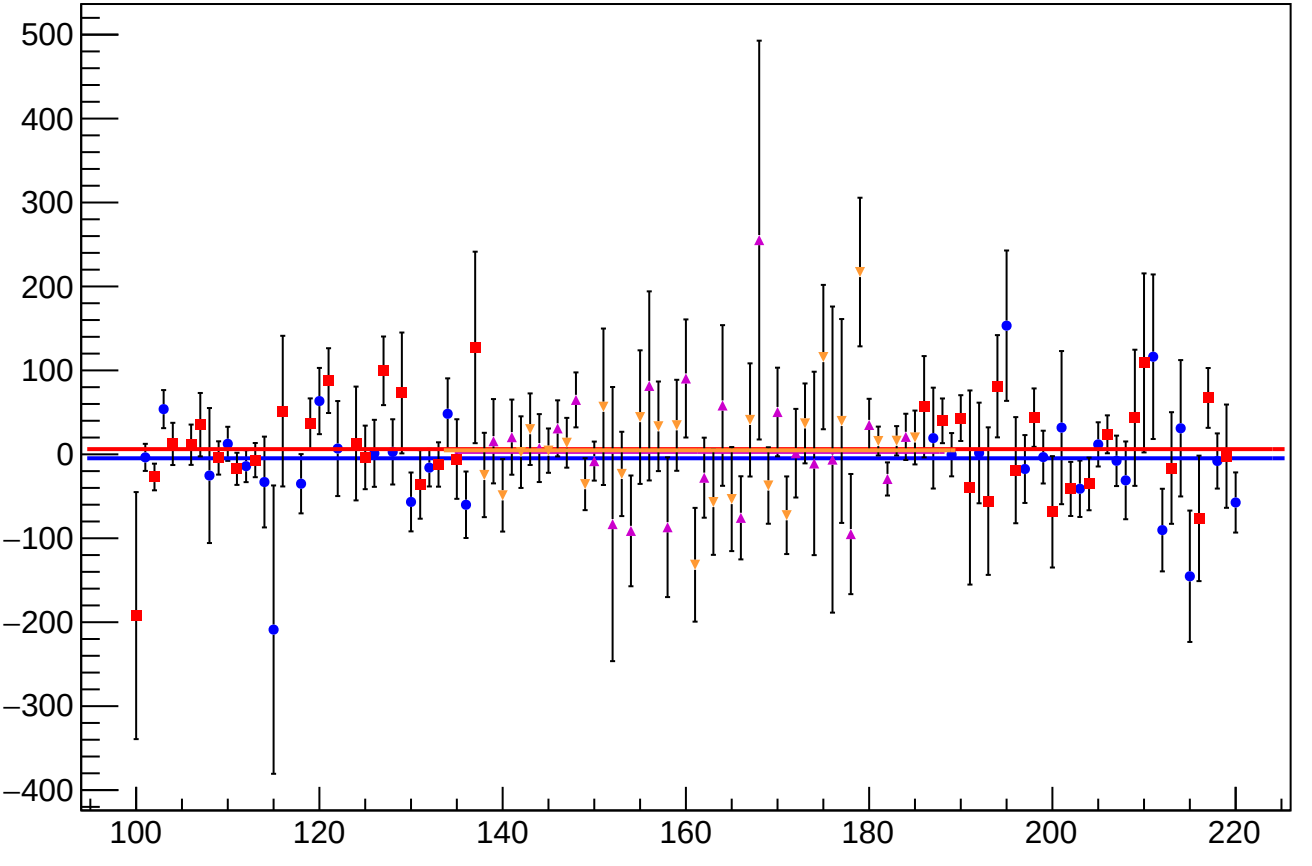
Right: 172.936+/-0.020 χ^2/NDF: 5421900.8/69

In: 176.090+/-0.021 χ^2/NDF:4026457.1/55

Out: 182.562+/-0.021 χ^2/NDF:5208375.4/61

All: 179.251+/-0.015 χ^2/NDF: 9282744.0/117

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -4.702+/-5.880 χ^2/NDF: 34.8/32

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 6.202+/-5.566 χ^2/NDF: 42.5/36

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

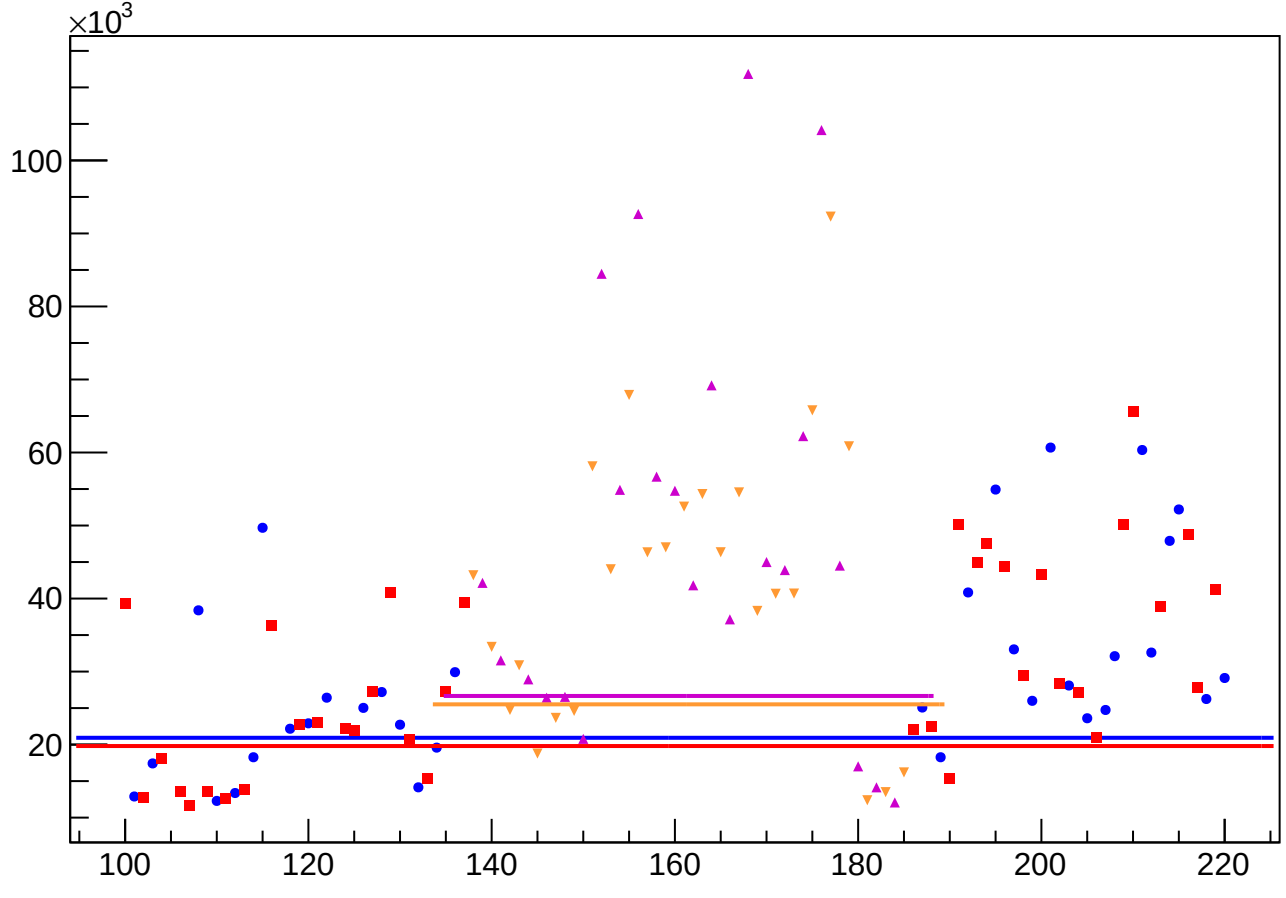
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.048+/-4.042 χ^2/NDF: 79.1/69

In: -2.365+/-4.896 χ^2/NDF:56.8/55

Out: 5.714+/-4.491 χ^2/NDF:66.8/61

All: 2.022+/-3.309 χ^2/NDF: 125.1/117



Right In: 20932.996+/-4.158 χ^2/NDF: 4314406.7/32

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19803.006+/-3.936 χ^2/NDF: 5039774.9/36

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

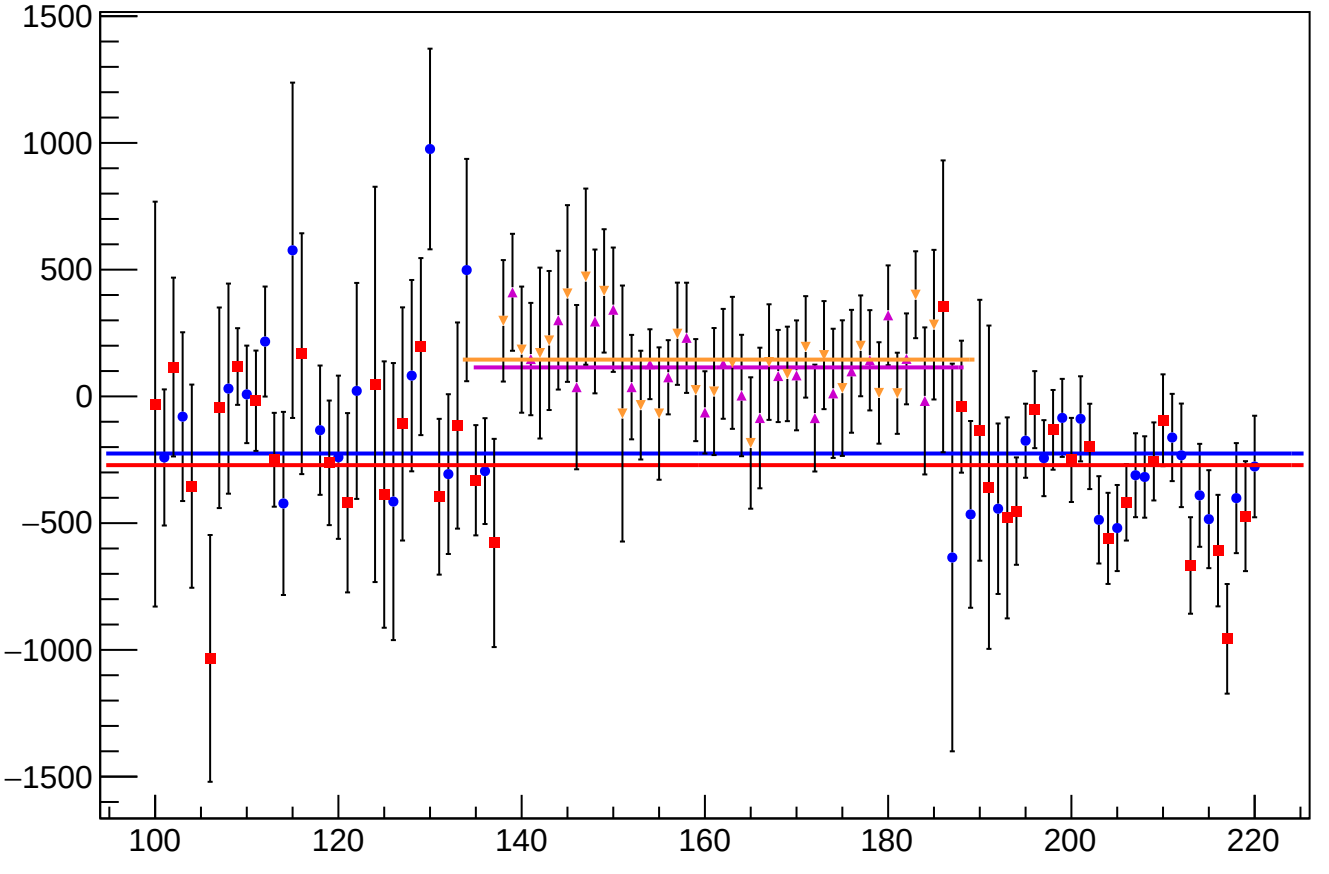
Right: 20337.062+/-2.858 χ^2/NDF: 9393138.2/69

In: 22689.732+/-3.462 χ^2/NDF:10779714.1/55

Out: 21796.026+/-3.175 χ^2/NDF:13516942.1/61

All: 22204.394+/-2.340 χ^2/NDF: 24332849.4

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -225.314+/-38.987 χ^2/NDF: 33.3/32

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -271.182+/-38.862 χ^2/NDF: 44.7/36

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

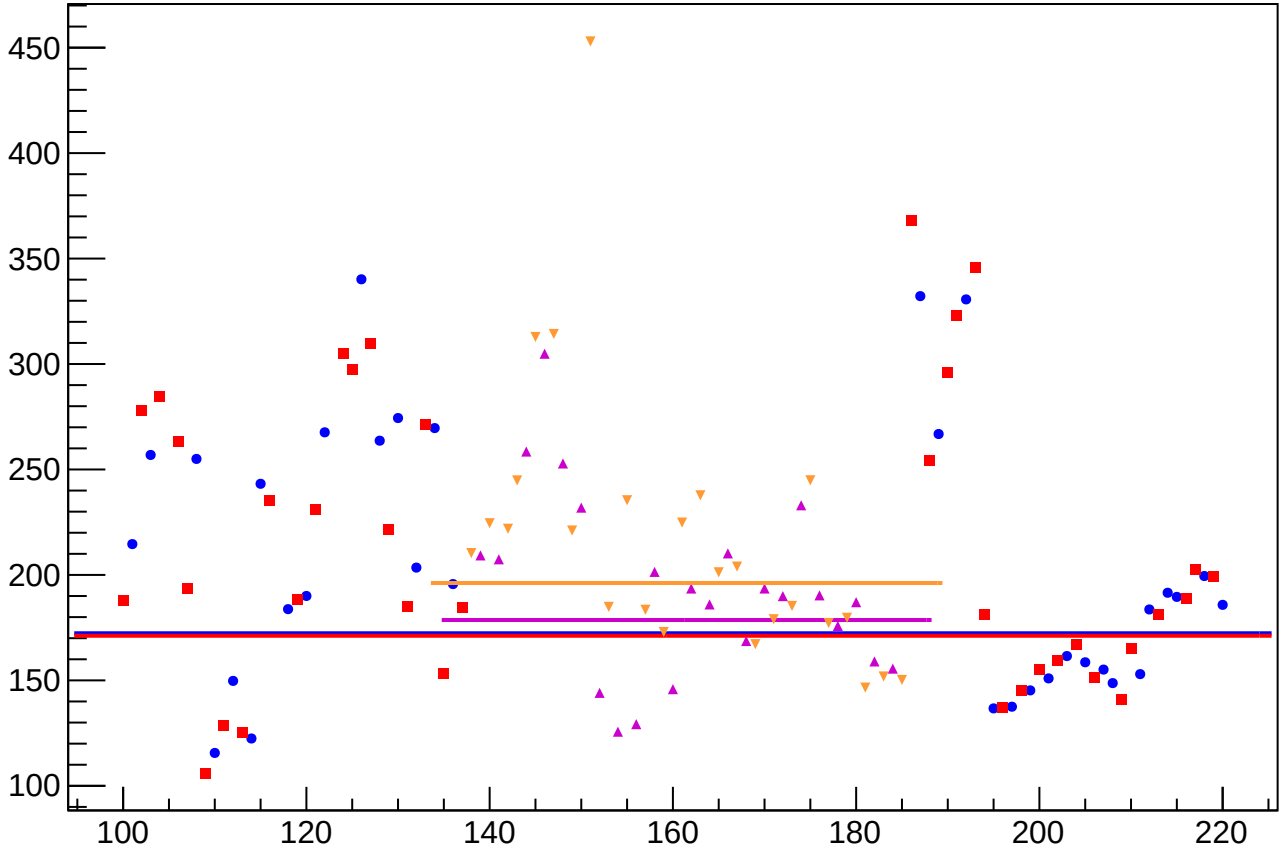
Right: -248.321+/-27.524 χ^2/NDF: 78.7/69

In: -74.448+/-29.068 χ^2/NDF:75.4/55

Out: -98.768+/-29.746 χ^2/NDF:103.4/61

All: -86.327+/-20.790 χ^2/NDF: 179.2/117

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 172.335+/-0.028 χ^2/NDF: 2381543.2/32

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 171.159+/-0.027 χ^2/NDF: 3108757.8/36

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

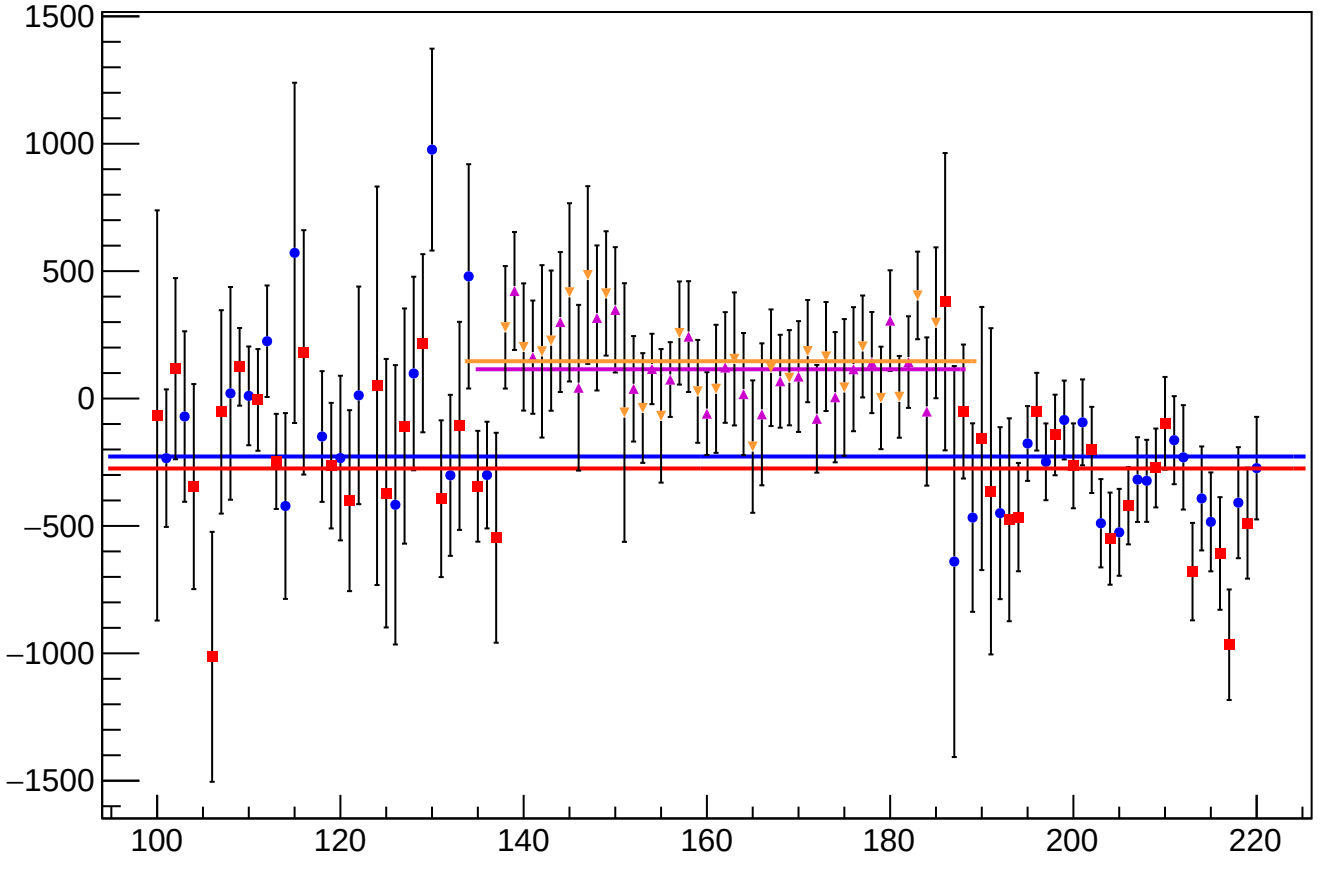
Right: 171.745+/-0.019 χ^2/NDF: 5491213.9/69

In: 175.127+/-0.021 χ^2/NDF:4056504.1/55

Out: 181.514+/-0.021 χ^2/NDF:5258552.4/61

All: 178.247+/-0.015 χ^2/NDF: 9362233.3/117

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -227.487+/-39.170 χ^2/NDF: 33.4/32

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -274.494+/-39.054 χ^2/NDF: 45.0/36

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

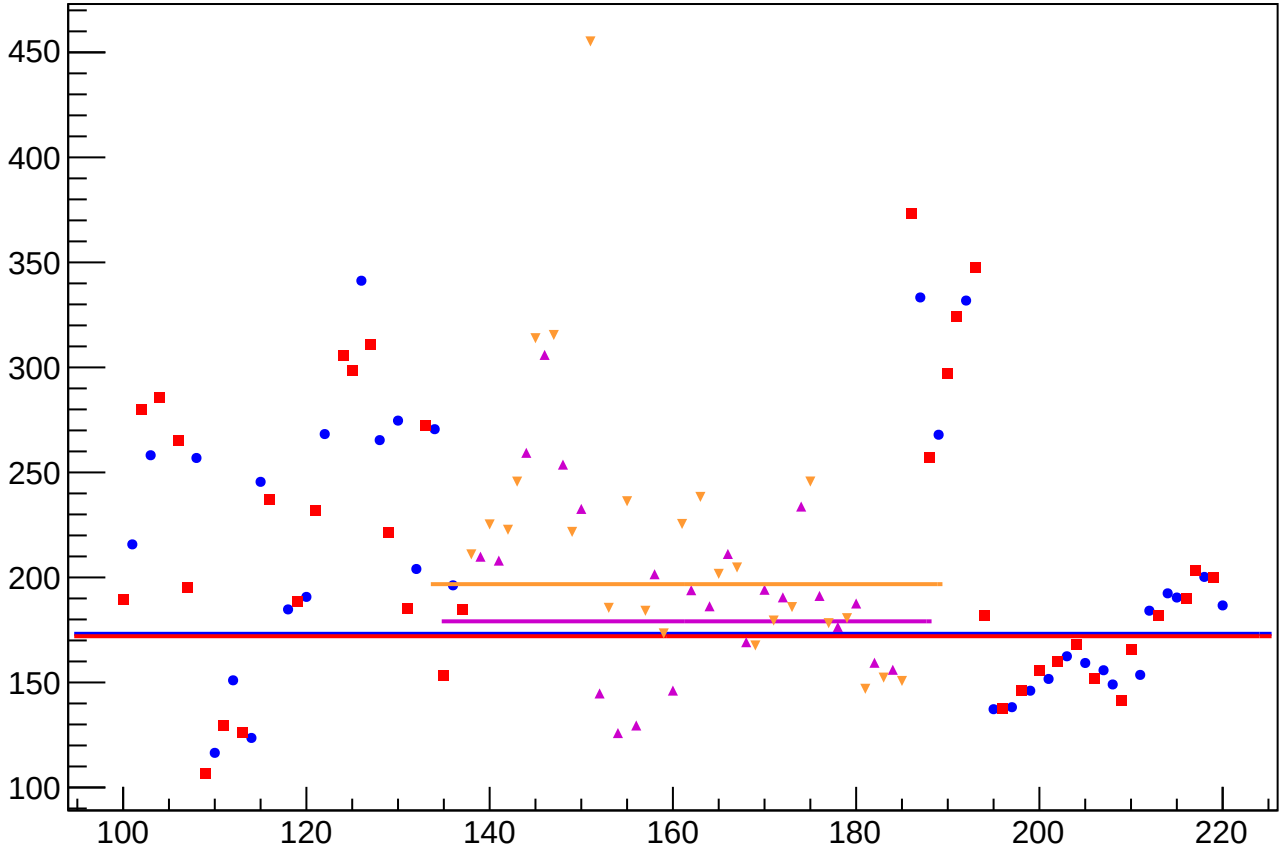
Right: -251.060+/-27.656 χ^2/NDF: 79.1/69

In: -75.153+/-29.180 χ^2/NDF:75.7/55

Out: -99.862+/-29.874 χ^2/NDF:104.6/61

All: -87.217+/-20.874 χ^2/NDF: 180.7/117

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 173.161+/-0.028 χ^2/NDF: 2373023.6/32

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 172.012+/-0.028 χ^2/NDF: 3104834.2/36

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

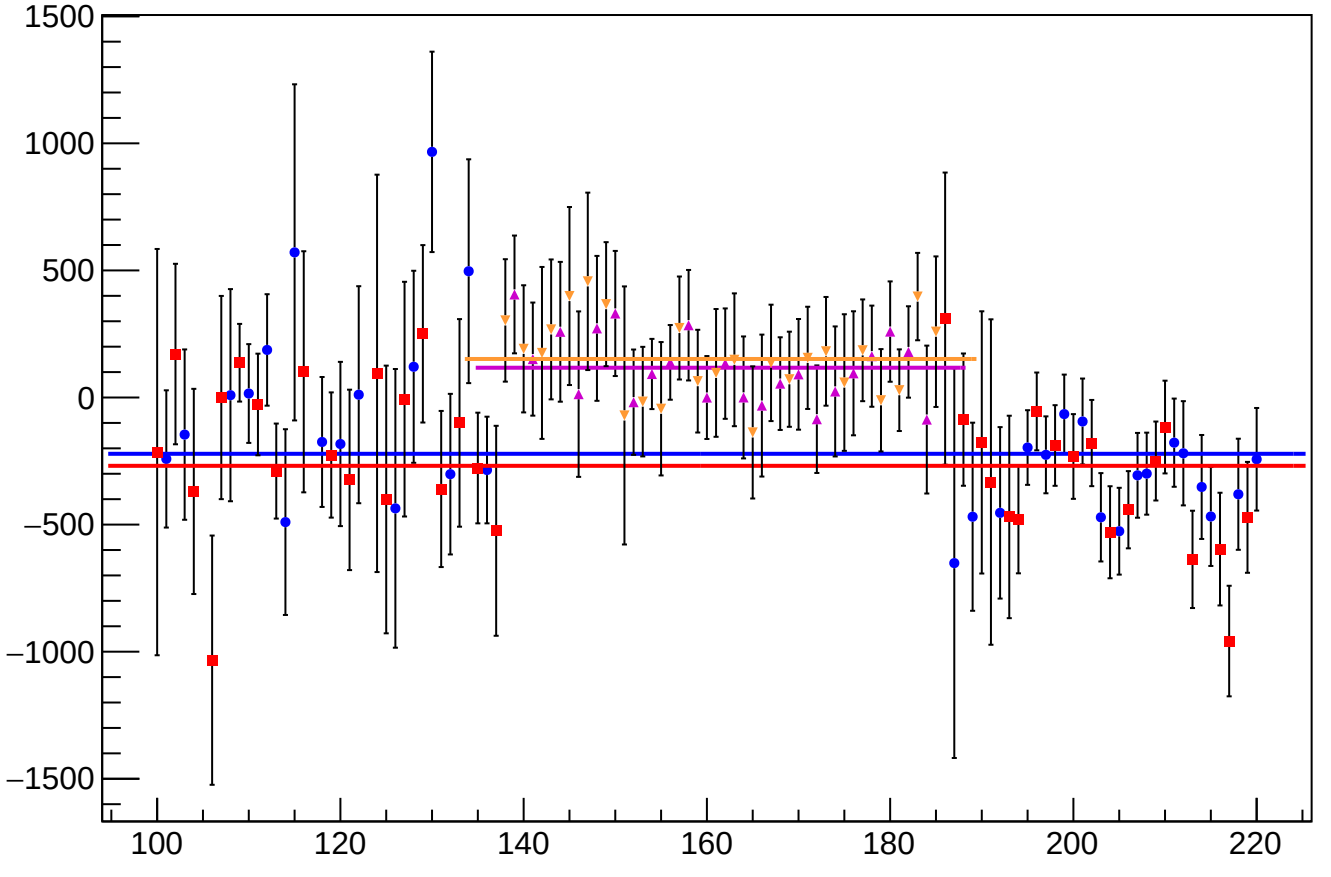
Right: 172.585+/-0.020 χ^2/NDF: 5478721.4/69

In: 175.804+/-0.021 χ^2/NDF:4049356.7/55

Out: 182.298+/-0.021 χ^2/NDF:5247877.1/61

All: 178.975+/-0.015 χ^2/NDF: 9345596.7/117

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -221.460+/-39.246 χ^2/NDF: 31.7/32

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -268.770+/-39.109 χ^2/NDF: 43.3/36

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

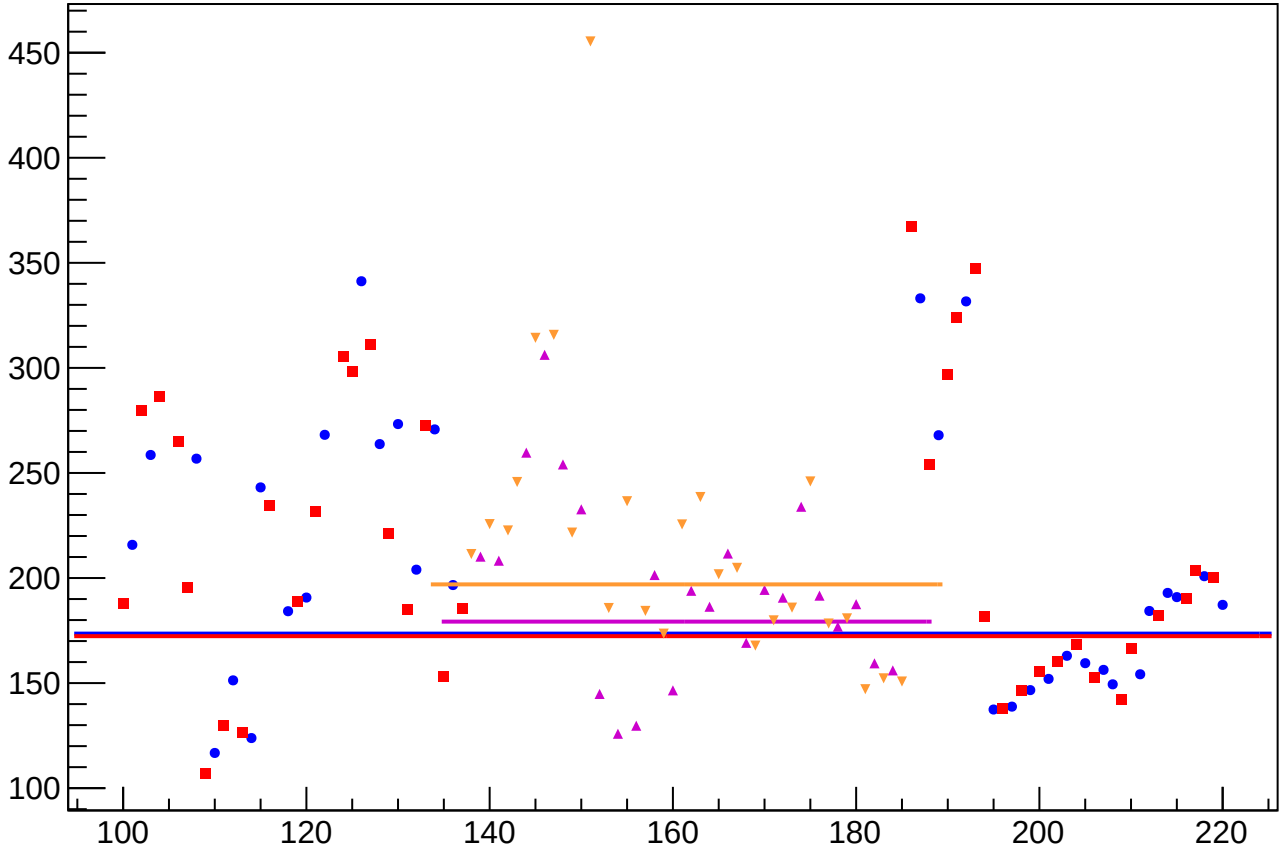
Right: -245.197+/-27.703 χ^2/NDF: 75.8/69

In: -70.578+/-29.222 χ^2/NDF:72.4/55

Out: -94.253+/-29.909 χ^2/NDF:100.9/61

All: -82.141+/-20.902 χ^2/NDF: 173.6/117

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 173.546+/-0.028 χ^2/NDF: 2351569.2/32

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

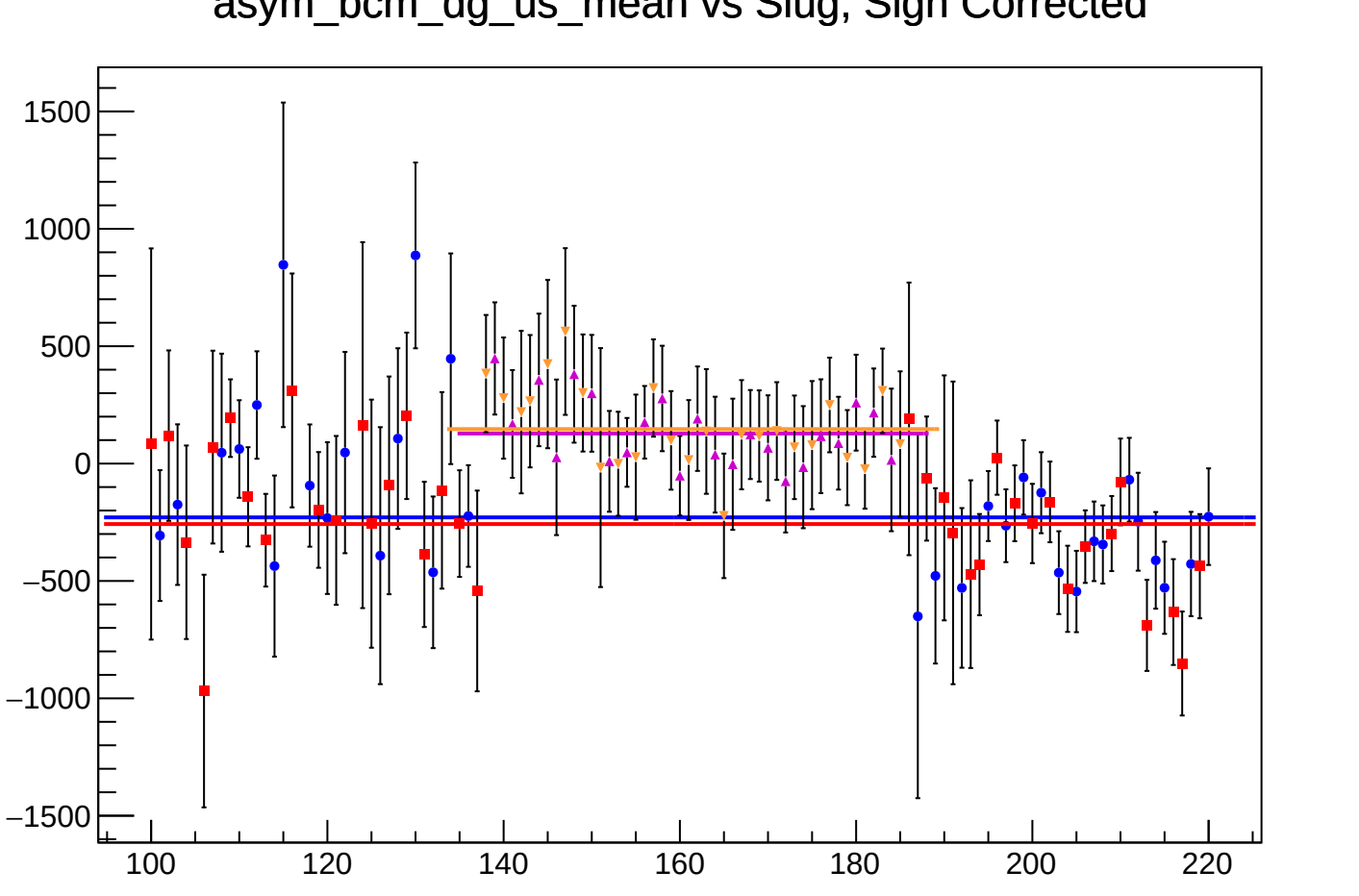
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 172.936+/-0.020 χ^2/NDF: 5421900.8/69

In: 176.090+/-0.021 χ^2/NDF:4026457.1/55

Out: 182.562+/-0.021 χ^2/NDF:5208375.4/61

All: 179.251+/-0.015 χ^2/NDF: 9282744.0/117



Right In: -229.192+/-40.104 χ^2/NDF: 35.7/32

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -257.611+/-40.095 χ^2/NDF: 41.2/36

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

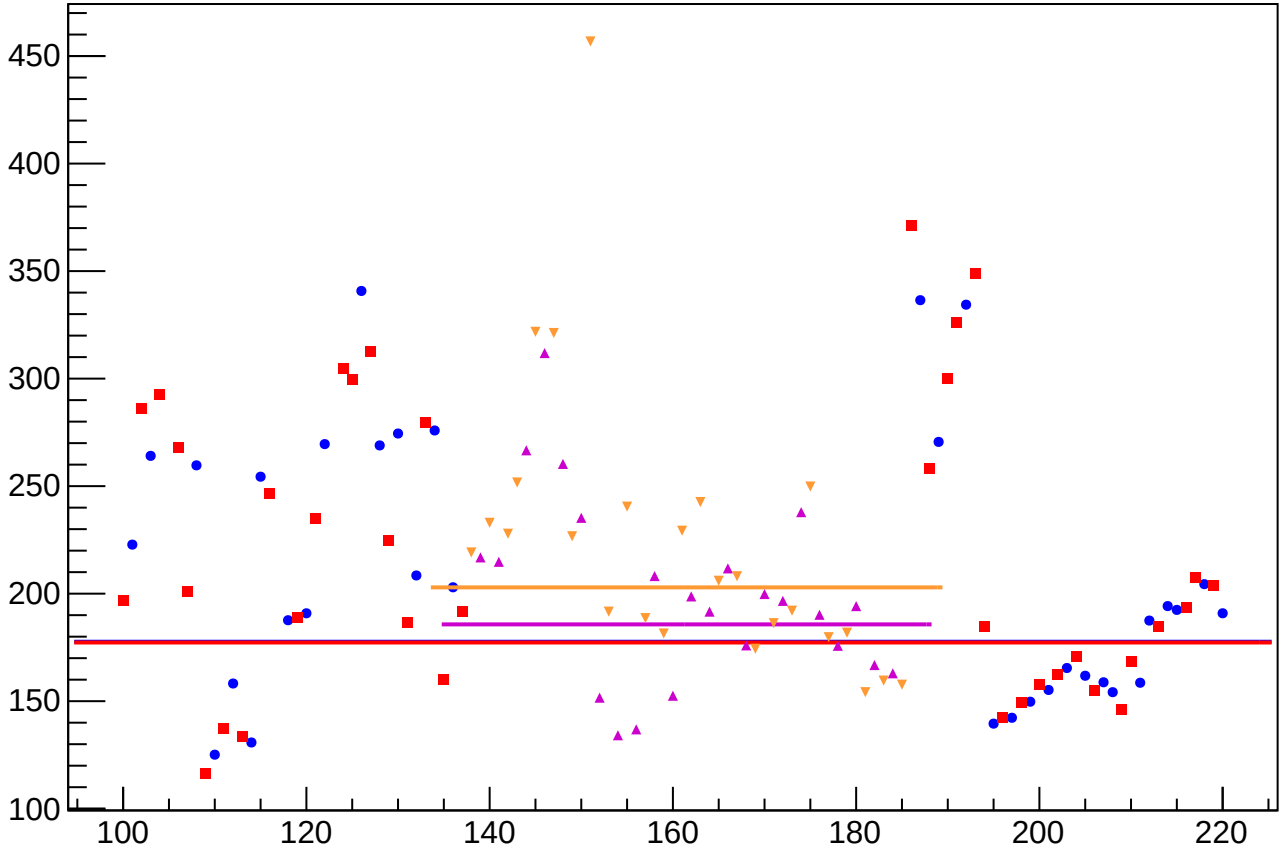
Right: -243.405+/-28.355 χ^2/NDF: 77.2/69

In: -71.787+/-29.999 χ^2/NDF:79.3/55

Out: -90.138+/-30.695 χ^2/NDF:93.5/61

All: -80.752+/-21.454 χ^2/NDF: 173.0/117

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 177.637+/-0.028 χ^2/NDF: 2244371.4/32

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 177.290+/-0.028 χ^2/NDF: 2848542.5/36

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

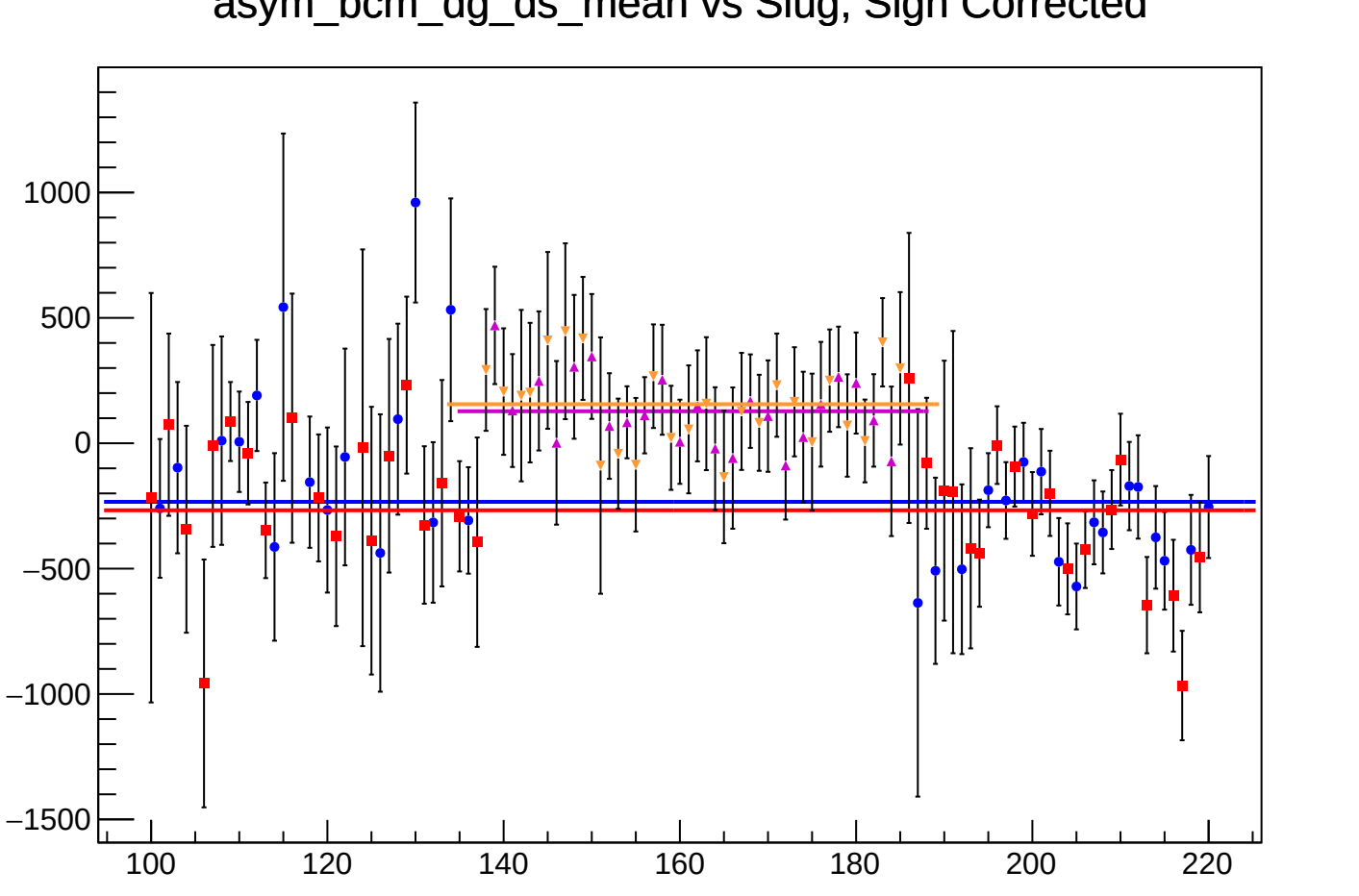
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 177.464+/-0.020 χ^2/NDF: 5092988.9/69

In: 181.196+/-0.021 χ^2/NDF:3769604.2/55

Out: 187.899+/-0.022 χ^2/NDF:4886938.7/61

All: 184.471+/-0.015 χ^2/NDF: 8705333.5/117



Right In: -233.641+/-39.605 χ^2/NDF: 32.9/32

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -267.317+/-39.506 χ^2/NDF: 40.5/36

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

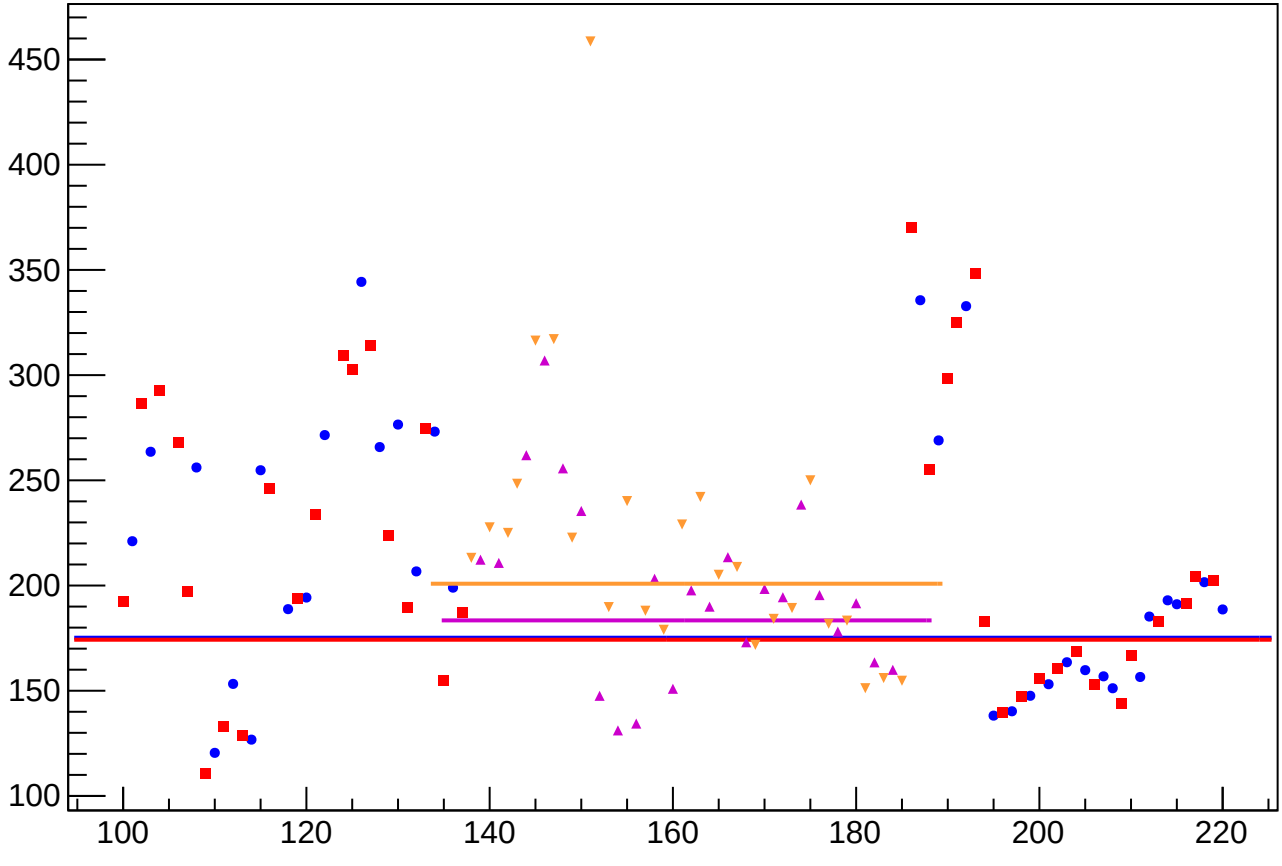
Right: -250.521+/-27.970 χ^2/NDF: 73.8/69

In: -74.739+/-29.643 χ^2/NDF:77.5/55

Out: -93.350+/-30.311 χ^2/NDF:98.3/61

All: -83.837+/-21.193 χ^2/NDF: 176.0/117

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 175.197+/-0.028 χ^2/NDF: 2335721.3/32

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 174.244+/-0.028 χ^2/NDF: 3024807.6/36

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

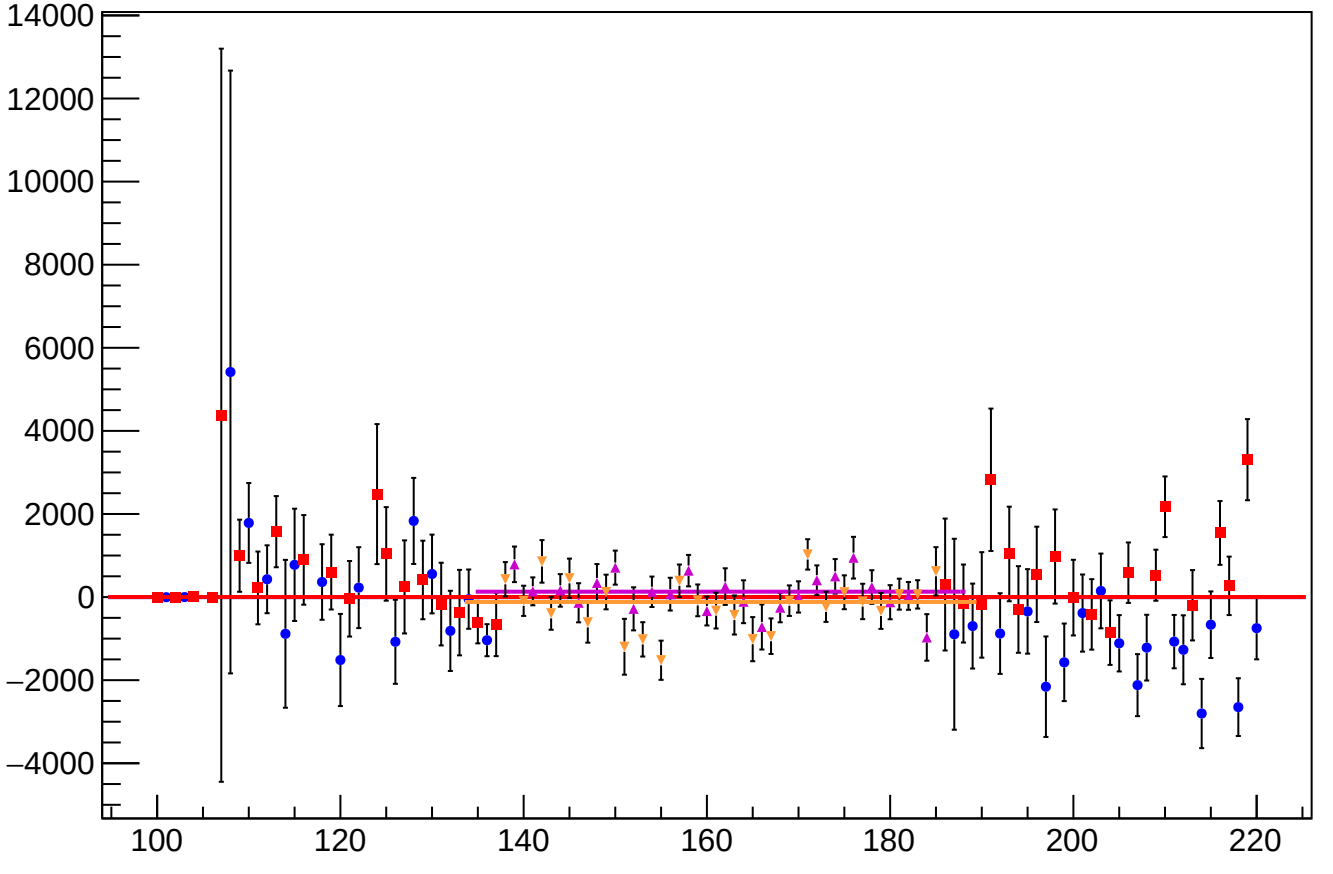
Right: 174.720+/-0.020 χ^2/NDF: 5361109.4/69

In: 178.820+/-0.021 χ^2/NDF:3904438.4/55

Out: 185.193+/-0.021 χ^2/NDF:5125717.5/61

All: 181.935+/-0.015 χ^2/NDF: 9075359.6/117

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.381+/-2.171 χ^2/NDF: 73.3/32

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.432+/-2.022 χ^2/NDF: 48.9/36

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

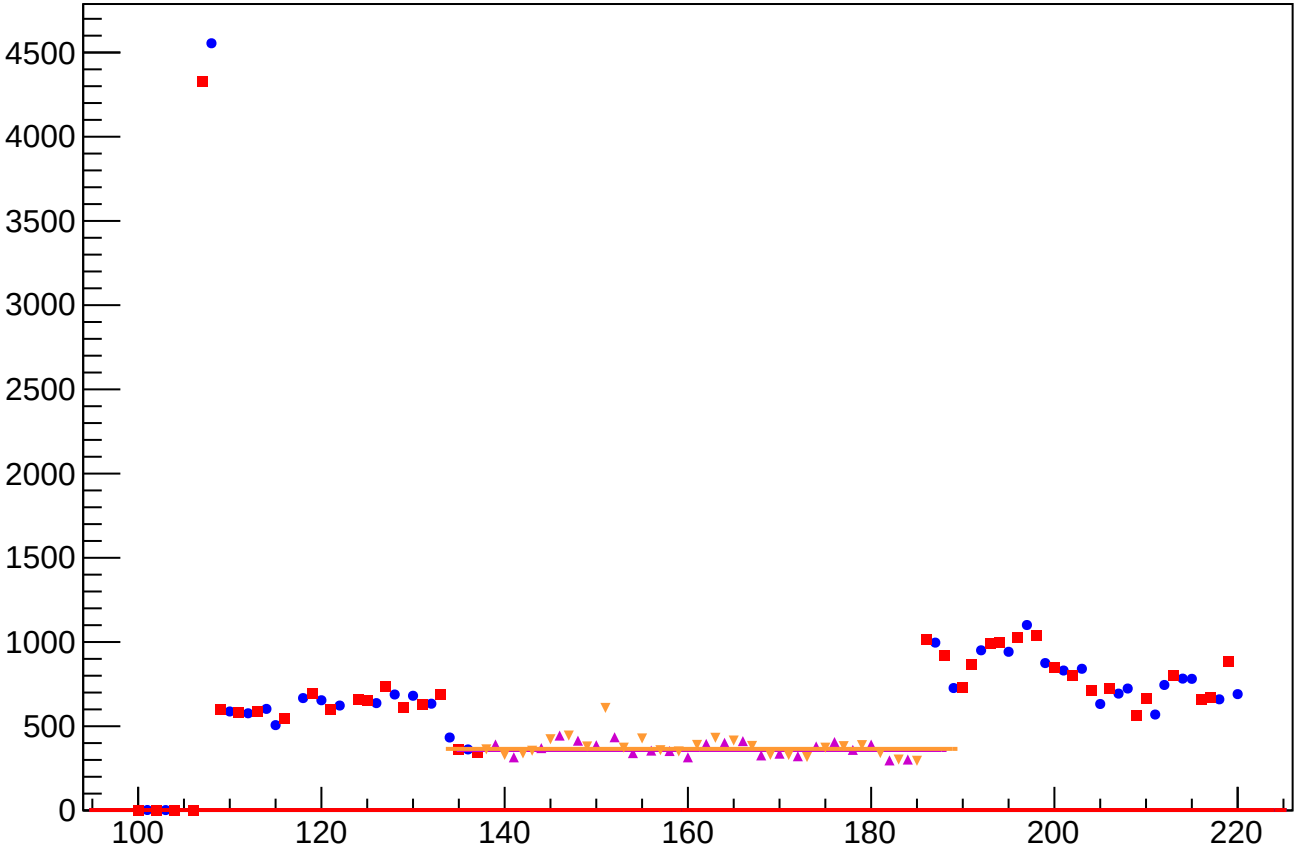
Right: 0.125+/-1.480 χ^2/NDF: 123.1/69

In: -1.295+/-2.170 χ^2/NDF:97.4/55

Out: 1.363+/-2.022 χ^2/NDF:97.3/61

All: 0.128+/-1.479 χ^2/NDF: 195.5/117

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.560+/-0.002 χ^2/NDF: 38714788.3/32

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.533+/-0.001 χ^2/NDF: 39138135.8/36

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

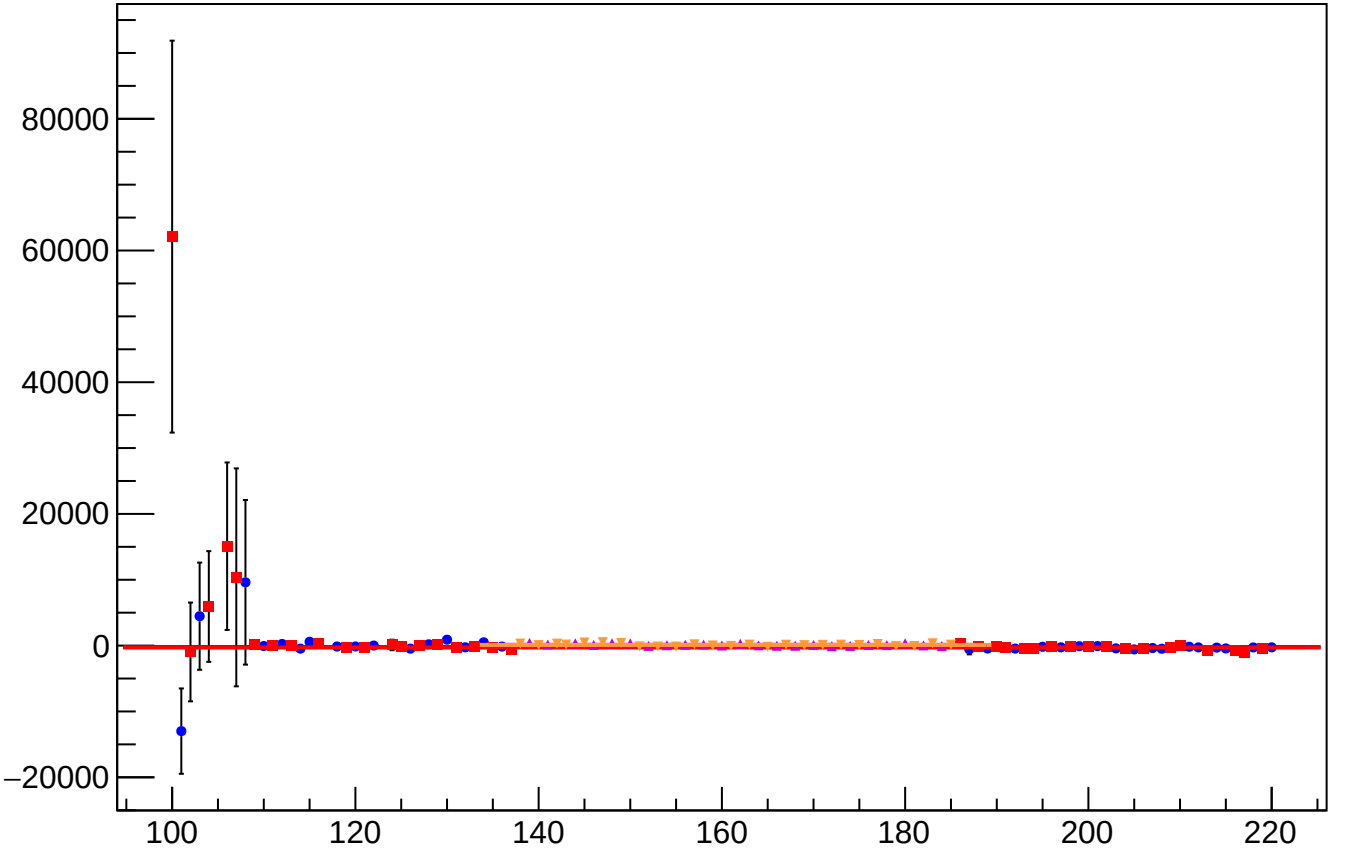
Right: 2.546+/-0.001 χ^2/NDF: 77853088.2/69

In: 2.792+/-0.002 χ^2/NDF:74250621.2/55

Out: 2.742+/-0.001 χ^2/NDF:76964784.7/61

All: 2.765+/-0.001 χ^2/NDF: 151215963.3/117

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -228.169+/-42.902 χ^2/NDF: 34.6/32

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -273.649+/-43.274 χ^2/NDF: 49.2/36

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

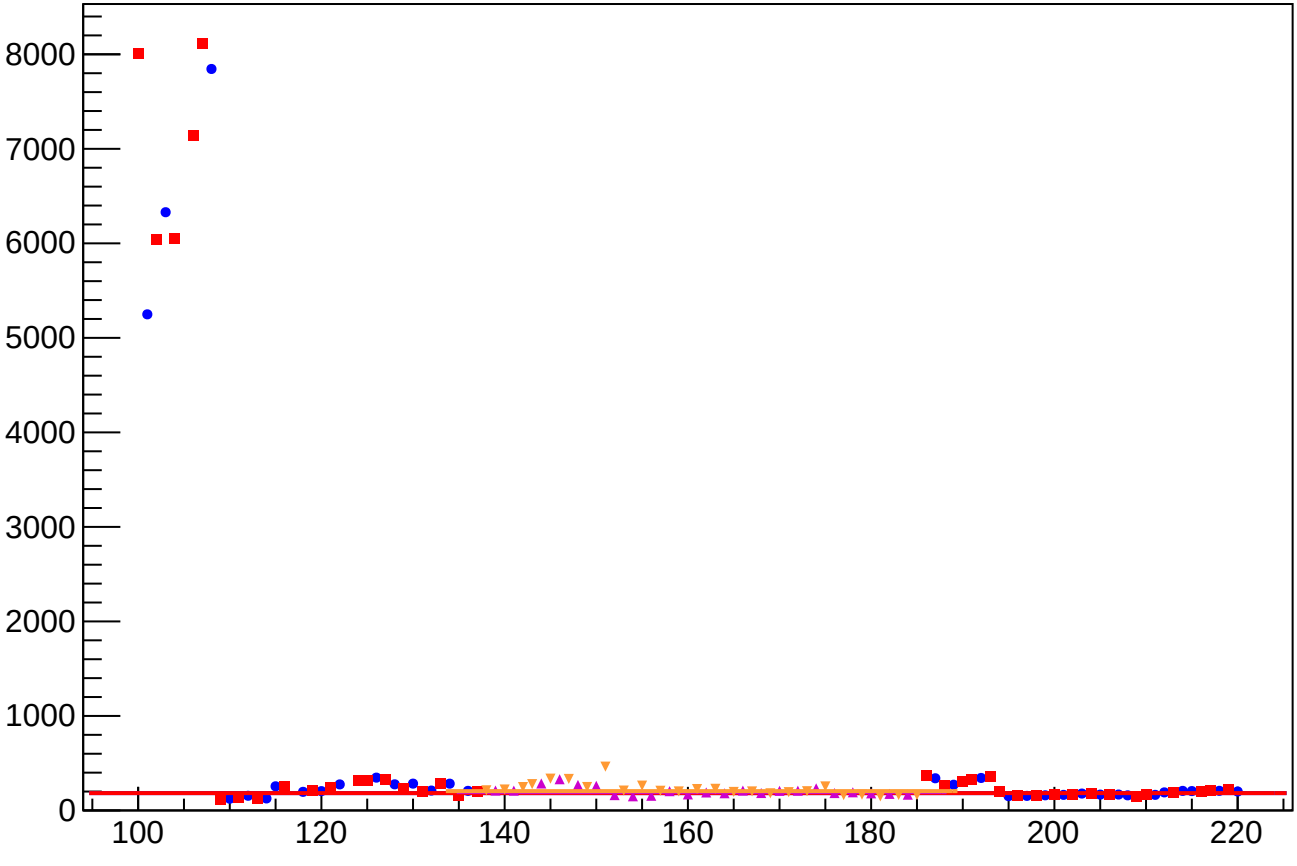
Right: -250.713+/-30.467 χ^2/NDF: 84.3/69

In: -70.061+/-31.673 χ^2/NDF:73.7/55

Out: -107.256+/-32.215 χ^2/NDF:95.1/61

All: -88.343+/-22.586 χ^2/NDF: 169.5/117

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 183.458+/-0.030 χ^2/NDF: 4988838.1/32

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 183.506+/-0.031 χ^2/NDF: 5707838.6/36

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

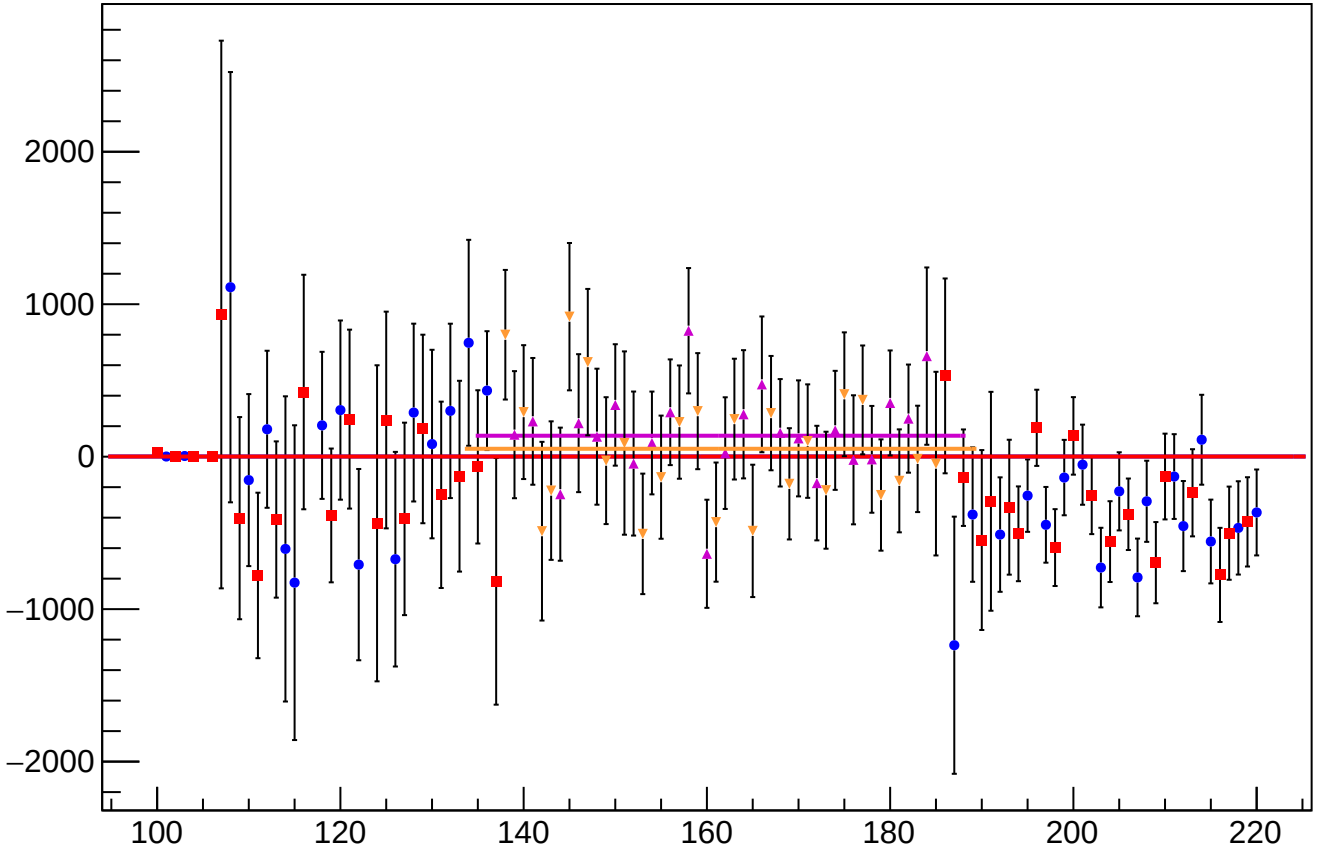
Right: 183.482+/-0.022 χ^2/NDF: 10696677.9/69

In: 188.207+/-0.022 χ^2/NDF:6234281.7/55

Out: 192.901+/-0.023 χ^2/NDF:7894421.6/61

All: 190.514+/-0.016 χ^2/NDF: 14150299.2/11

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.248+/-1.660 χ^2/NDF: 47.9/32

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 0.942+/-1.527 χ^2/NDF: 47.7/36

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

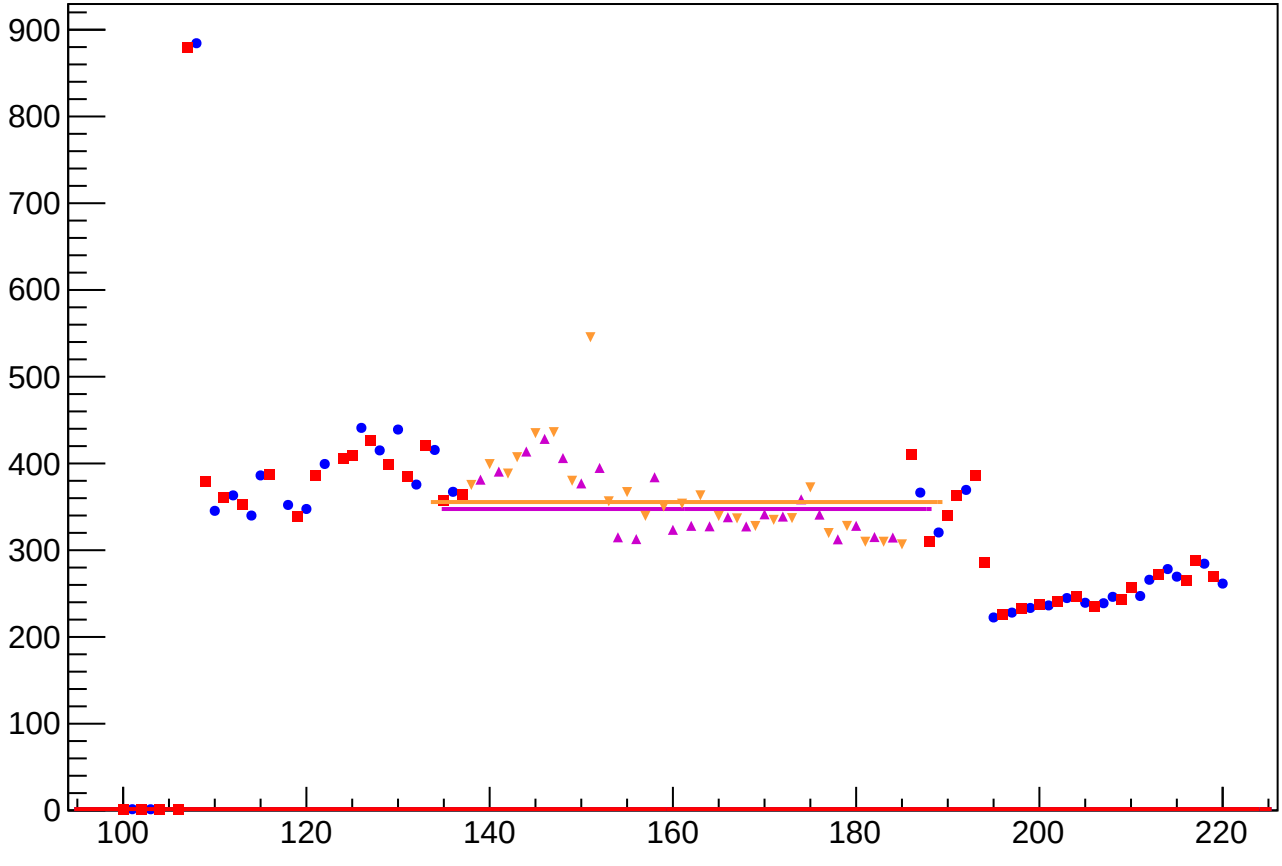
Right: 1.082+/-1.124 χ^2/NDF: 95.6/69

In: 1.303+/-1.659 χ^2/NDF:62.8/55

Out: 0.959+/-1.527 χ^2/NDF:67.5/61

All: 1.117+/-1.124 χ^2/NDF: 130.3/117

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.616+/-0.001 χ^2/NDF: 38955270.2/32

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.588+/-0.001 χ^2/NDF: 38825855.5/36

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

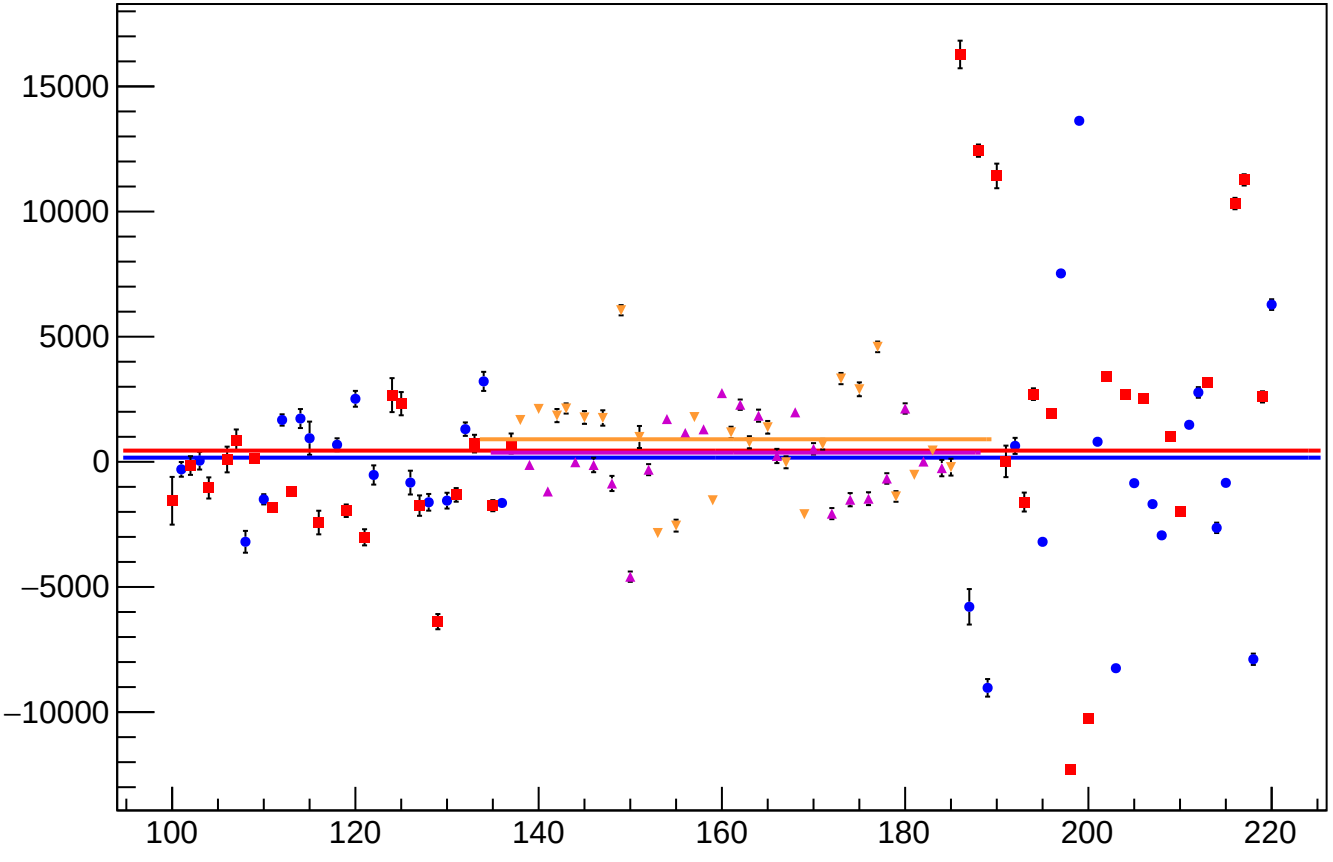
Right: 1.601+/-0.001 χ^2/NDF: 77781438.0/69

In: 1.758+/-0.001 χ^2/NDF:74770539.4/55

Out: 1.712+/-0.001 χ^2/NDF:77012377.8/61

All: 1.733+/-0.001 χ^2/NDF: 151783725.6/117

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 166.974+/-41.187 χ^2/NDF: 14337.2/32

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 448.543+/-40.945 χ^2/NDF: 18860.0/36

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

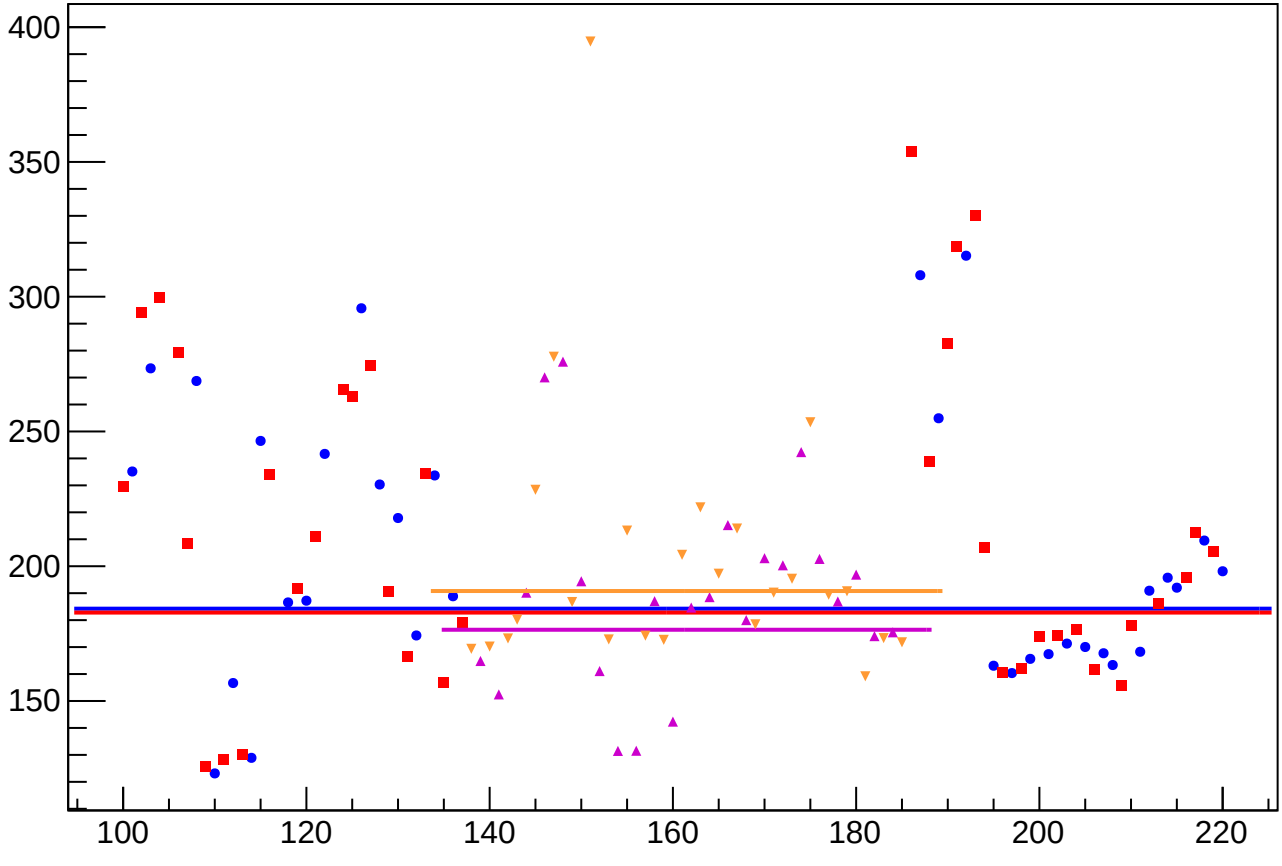
Right: 308.588+/-29.037 χ^2/NDF: 33220.7/69

In: 263.984+/-29.644 χ^2/NDF:15941.7/55

Out: 656.291+/-30.125 χ^2/NDF:21327.1/61

All: 456.979+/-21.129 χ^2/NDF: 37354.9/117

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 184.252+/-0.029 χ^2/NDF: 1492361.6/32

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.804+/-0.029 χ^2/NDF: 2254976.8/36

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

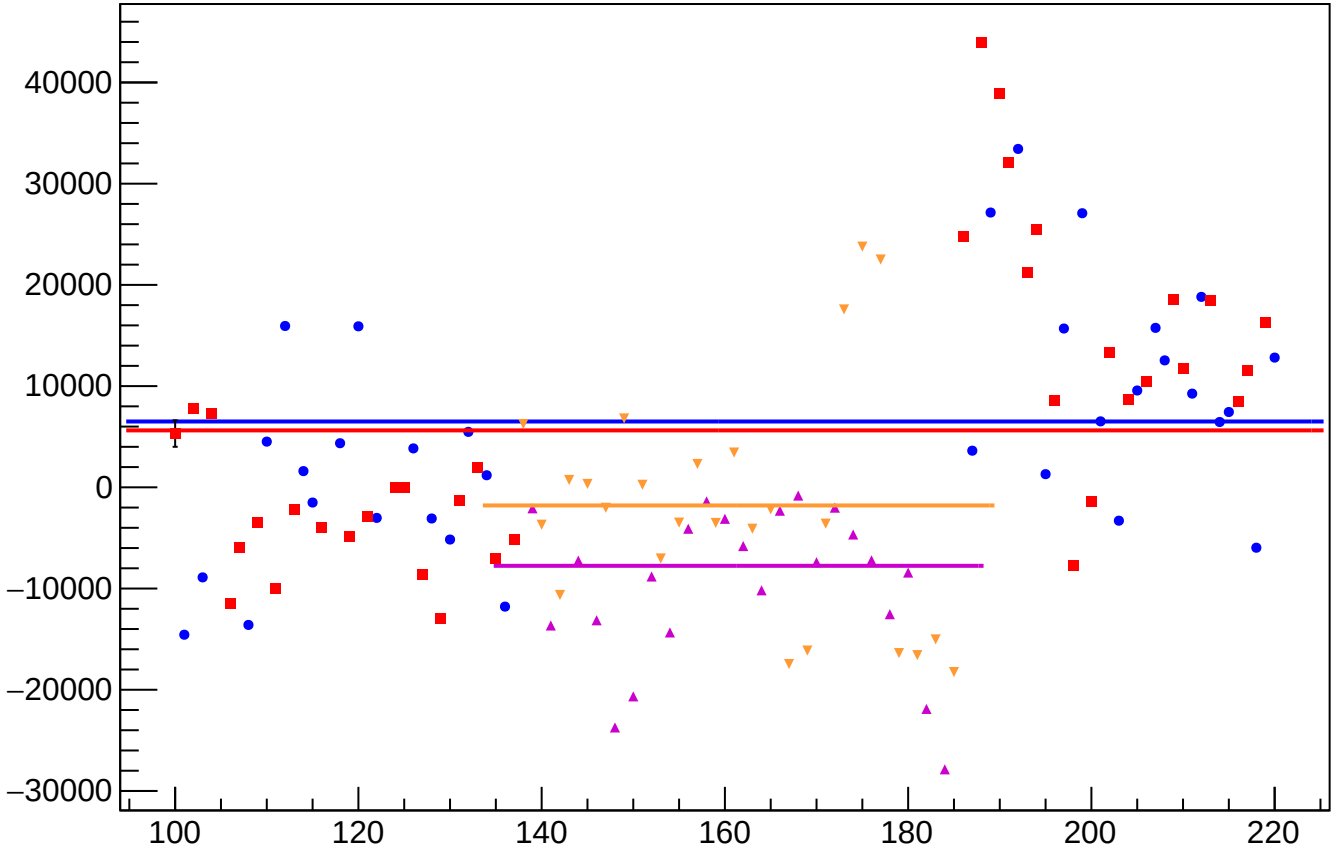
Right: 183.524+/-0.021 χ^2/NDF: 3748582.3/69

In: 180.483+/-0.021 χ^2/NDF:2784779.4/55

Out: 186.472+/-0.021 χ^2/NDF:3309570.8/61

All: 183.429+/-0.015 χ^2/NDF: 6134512.3/117

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6505.140+/-37.568 χ^2/NDF: 99854.7/32

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 5625.025+/-36.486 χ^2/NDF: 149627.3/36

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

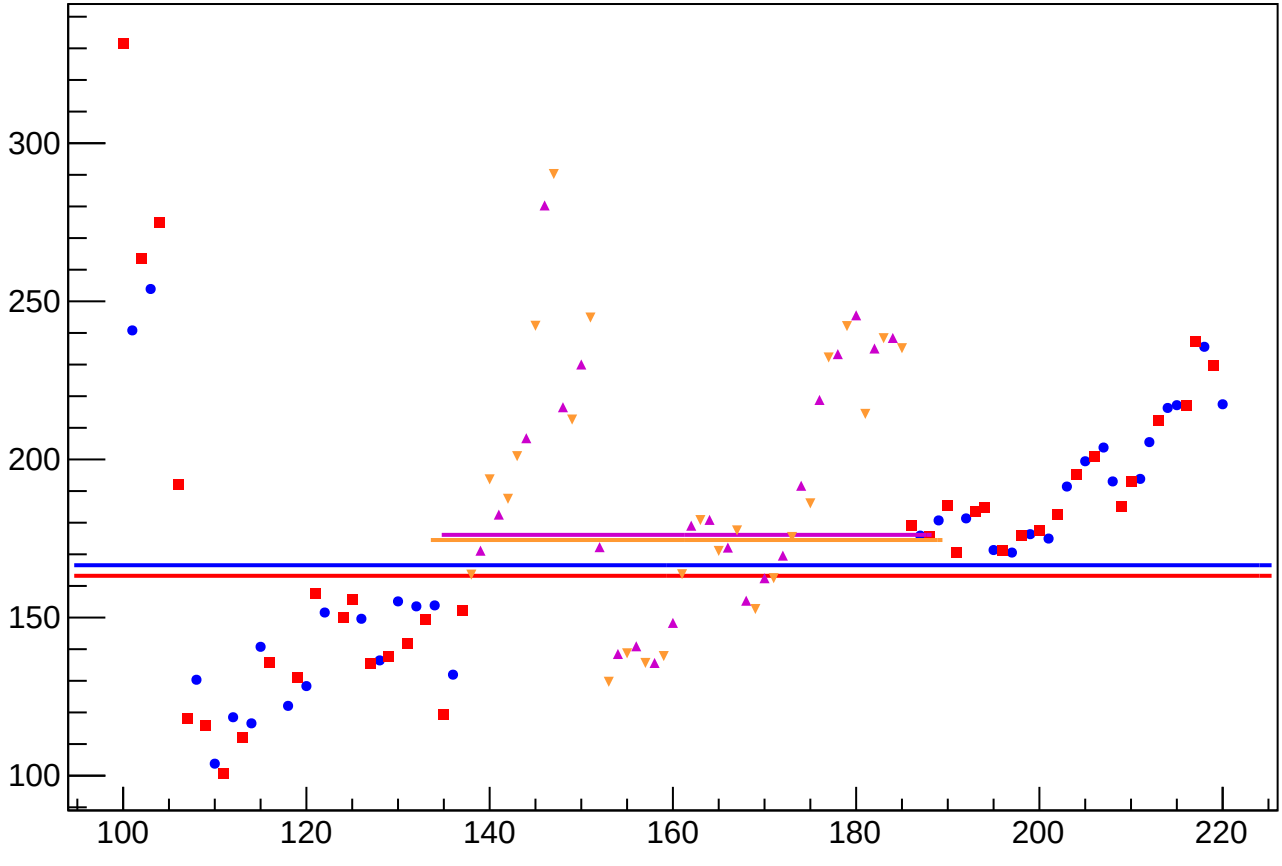
Right: 6052.225+/-26.173 χ^2/NDF: 249764.4/69

In: 262.147+/-28.168 χ^2/NDF:186209.3/55

Out: 2339.882+/-27.230 χ^2/NDF:233672.6/61

All: 1336.202+/-19.578 χ^2/NDF: 422694.5/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 166.549+/-0.027 χ^2/NDF: 1914541.1/32

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

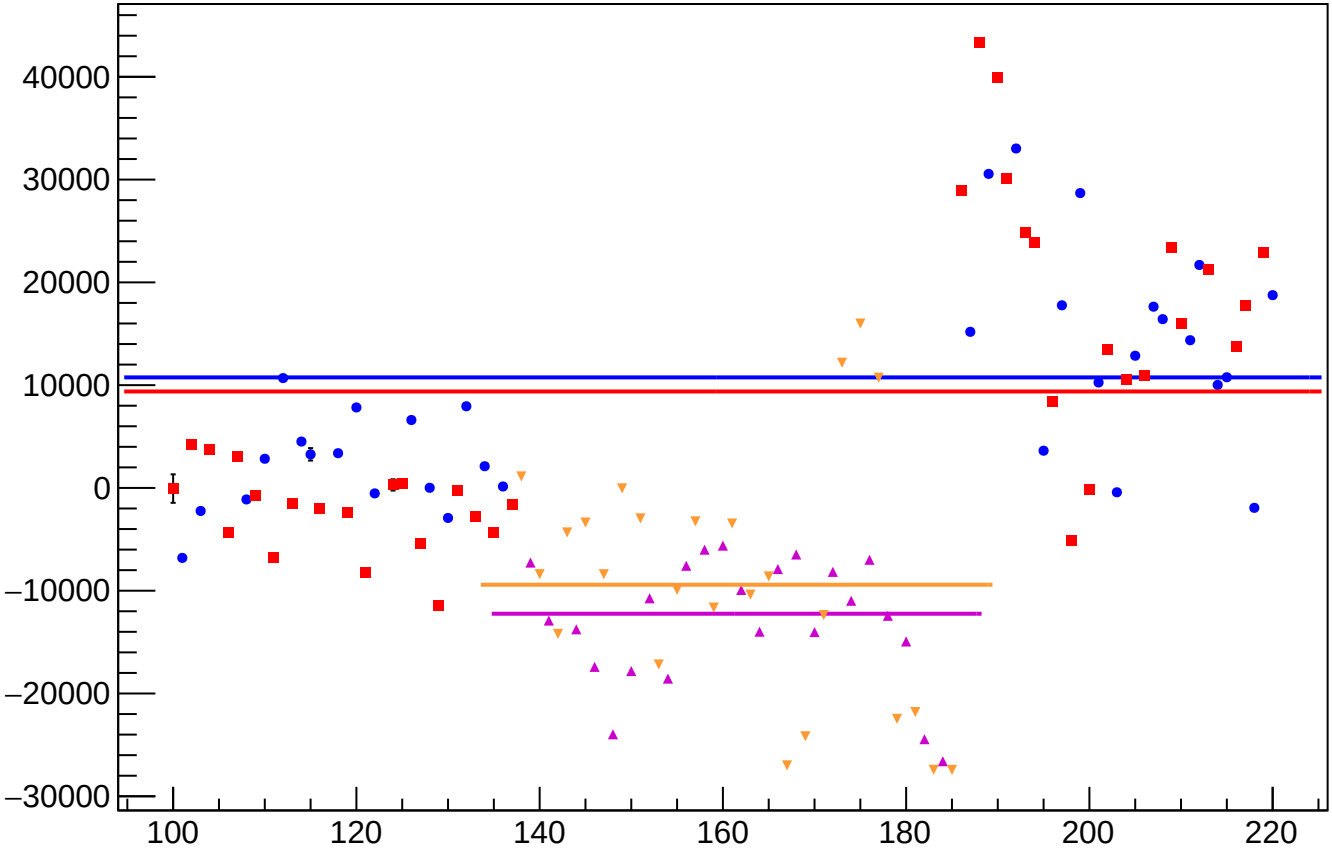
Right: 164.829+/-0.019 χ^2/NDF: 4184647.6/69

In: 170.755+/-0.020 χ^2/NDF:3338838.5/55

Out: 168.219+/-0.019 χ^2/NDF:4006629.7/61

All: 169.444+/-0.014 χ^2/NDF: 7353848.1/117

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10755.373+/-40.816 χ^2/NDF: 60448.7/32

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 9384.487+/-39.797 χ^2/NDF: 122918.9/36

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

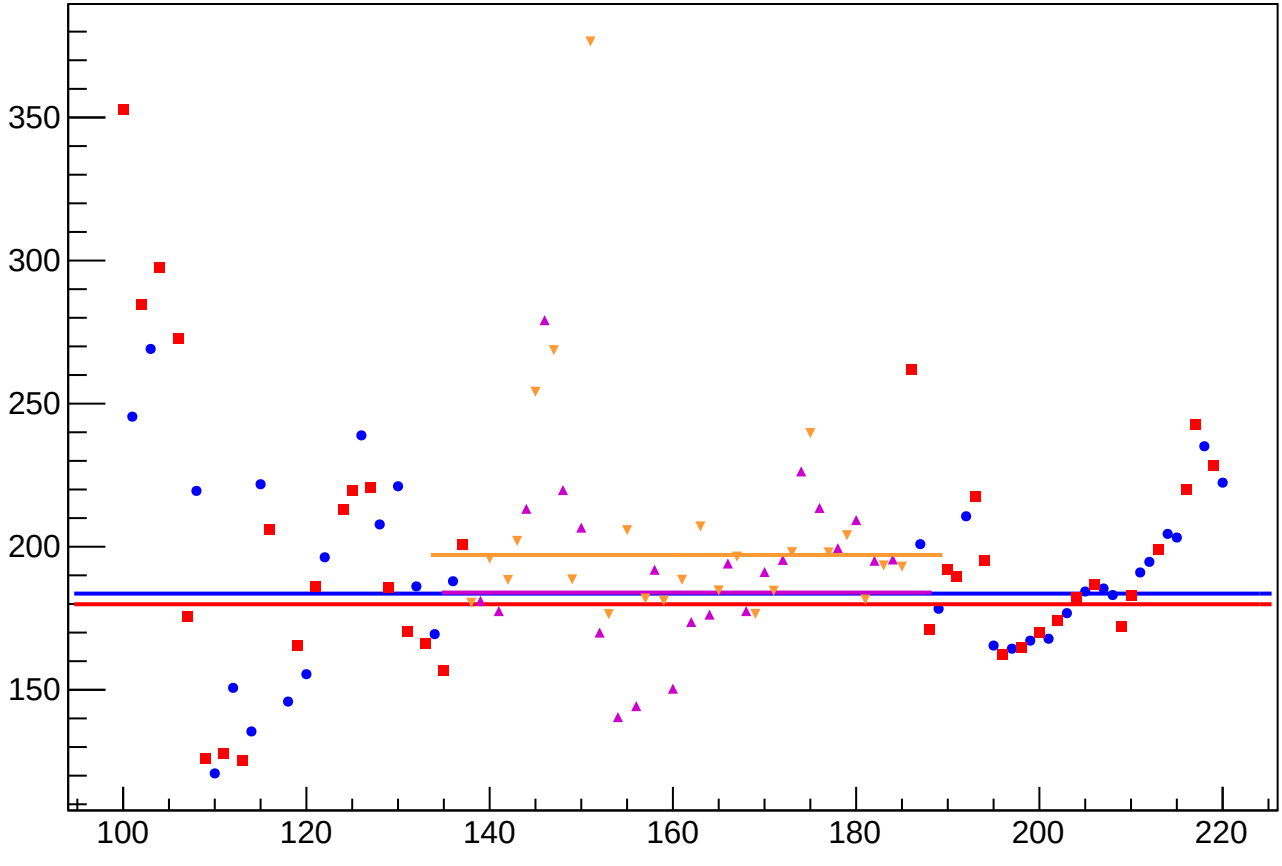
Right: 10052.608+/-28.494 χ^2/NDF: 183945.8/69

In: 170.860+/-29.985 χ^2/NDF:222555.7/55

Out: 1273.843+/-30.012 χ^2/NDF:283935.2/61

All: 721.856+/-21.212 χ^2/NDF: 507166.9/117

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 183.618+/-0.029 χ^2/NDF: 978249.9/32

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

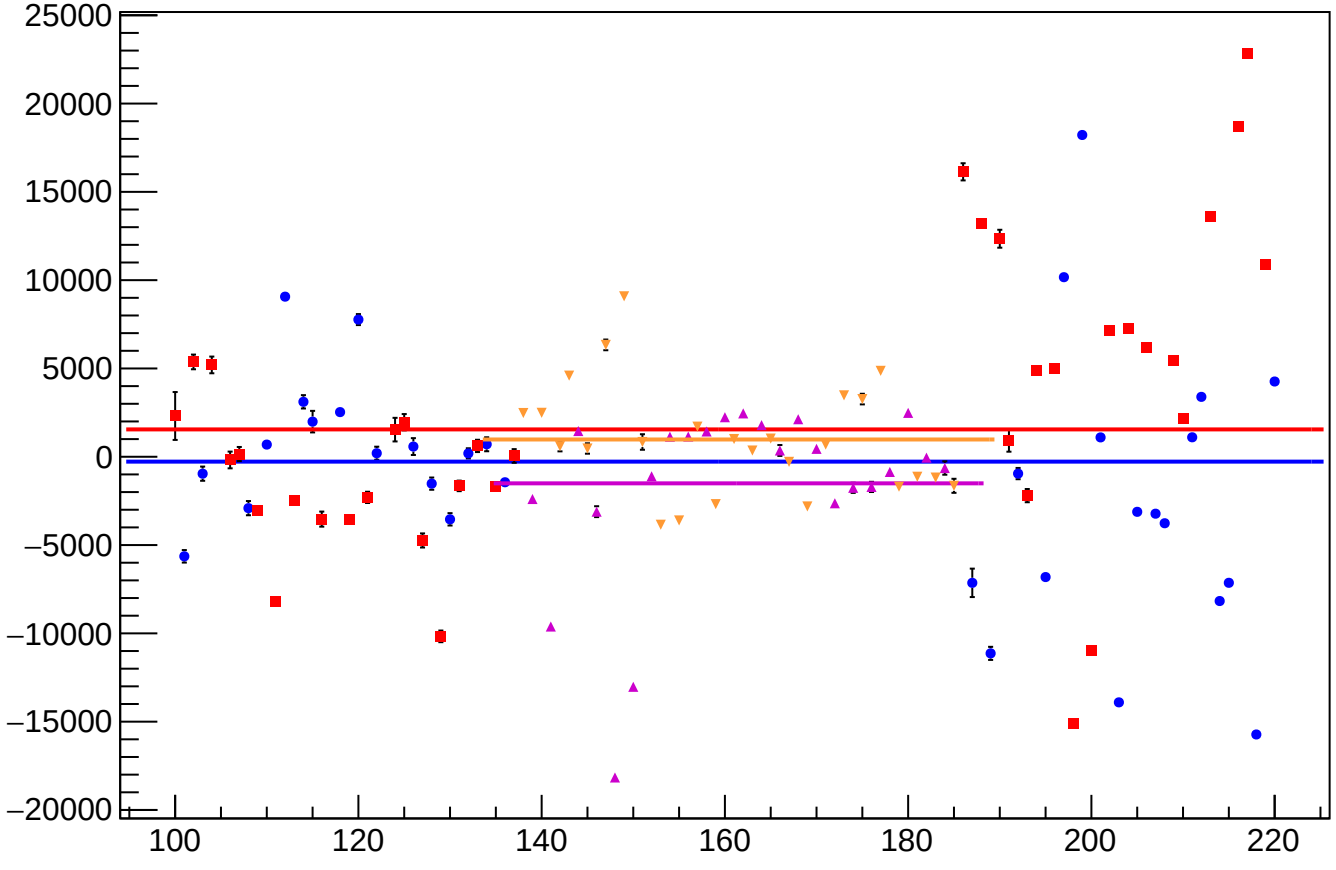
Right: 181.711+/-0.020 χ^2/NDF: 2483943.7/69

In: 183.787+/-0.021 χ^2/NDF:1808102.6/55

Out: 187.327+/-0.021 χ^2/NDF:2391302.7/61

All: 185.555+/-0.015 χ^2/NDF: 4213326.1/117

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: -275.607+/-45.755 χ^2/NDF: 27293.0/32

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1549.058+/-44.720 χ^2/NDF: 36556.9/36

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

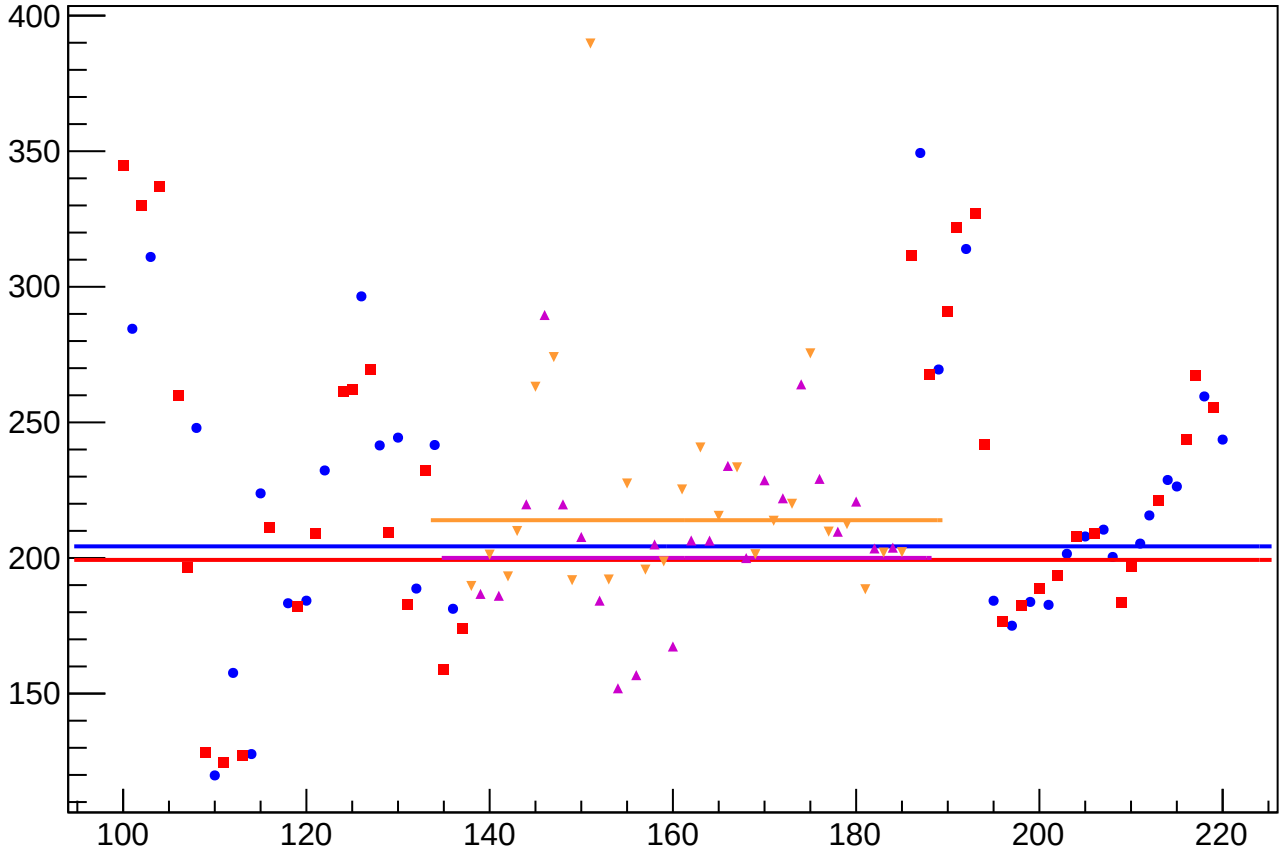
Right: 657.612+/-31.981 χ^2/NDF: 64663.2/69

In: -860.284+/-33.136 χ^2/NDF:39116.9/55

Out: 1293.229+/-33.215 χ^2/NDF:40952.8/61

All: 213.887+/-23.459 χ^2/NDF: 82176.6/117

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 204.287+/-0.032 χ^2/NDF: 1647342.2/32

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

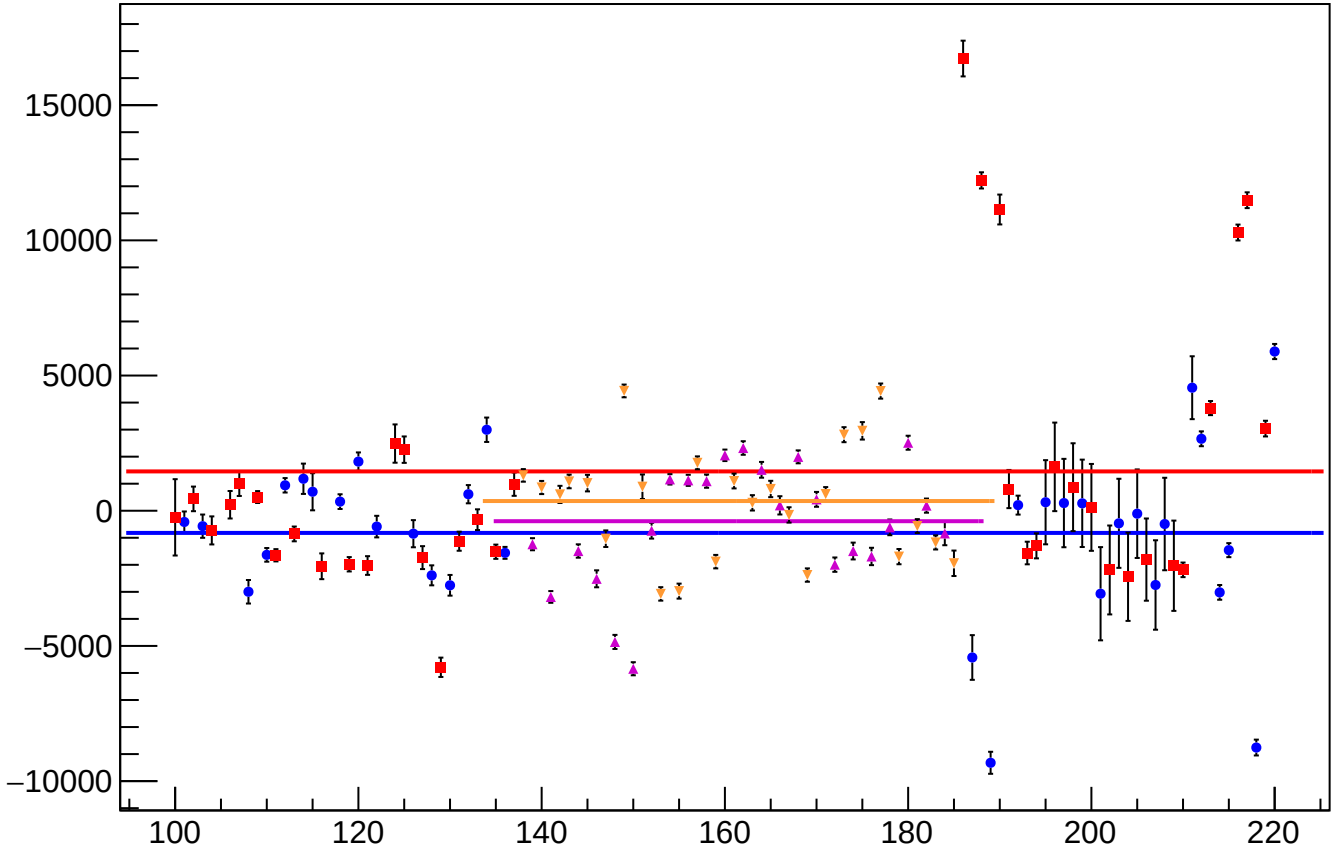
Right: 201.731+/-0.023 χ^2/NDF: 4212066.9/69

In: 202.263+/-0.023 χ^2/NDF:2441097.4/55

Out: 205.854+/-0.023 χ^2/NDF:3382279.4/61

All: 204.054+/-0.017 χ^2/NDF: 5835093.2/117

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -820.139+/-67.668 χ^2/NDF: 2360.9/32

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 1454.435+/-63.496 χ^2/NDF: 5922.8/36

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

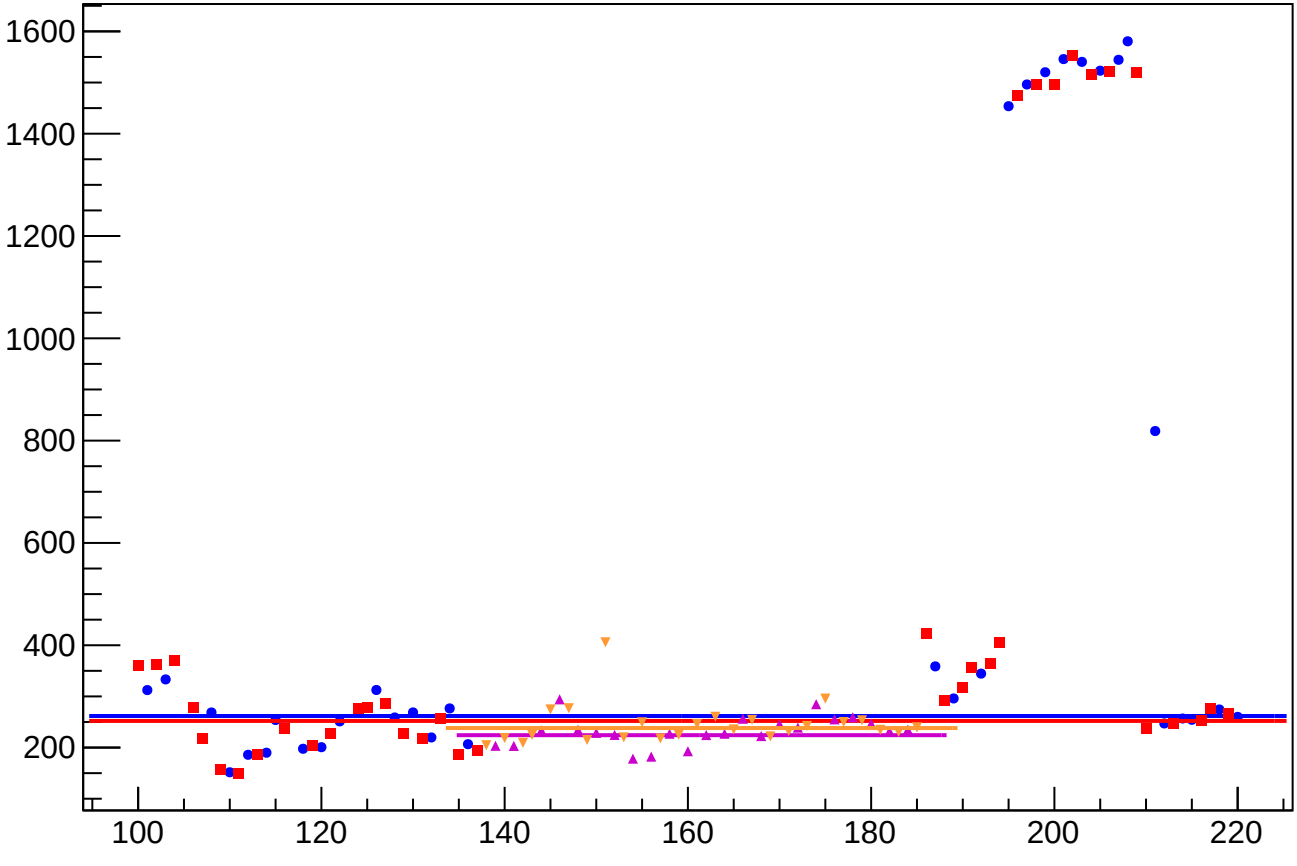
Right: 389.422+/-46.303 χ^2/NDF: 8884.5/69

In: -553.680+/-41.981 χ^2/NDF:4190.3/55

Out: 828.316+/-41.569 χ^2/NDF:7511.8/61

All: 144.140+/-29.538 χ^2/NDF: 12249.3/117

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 261.696+/-0.048 χ^2/NDF: 11065154.4/32

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

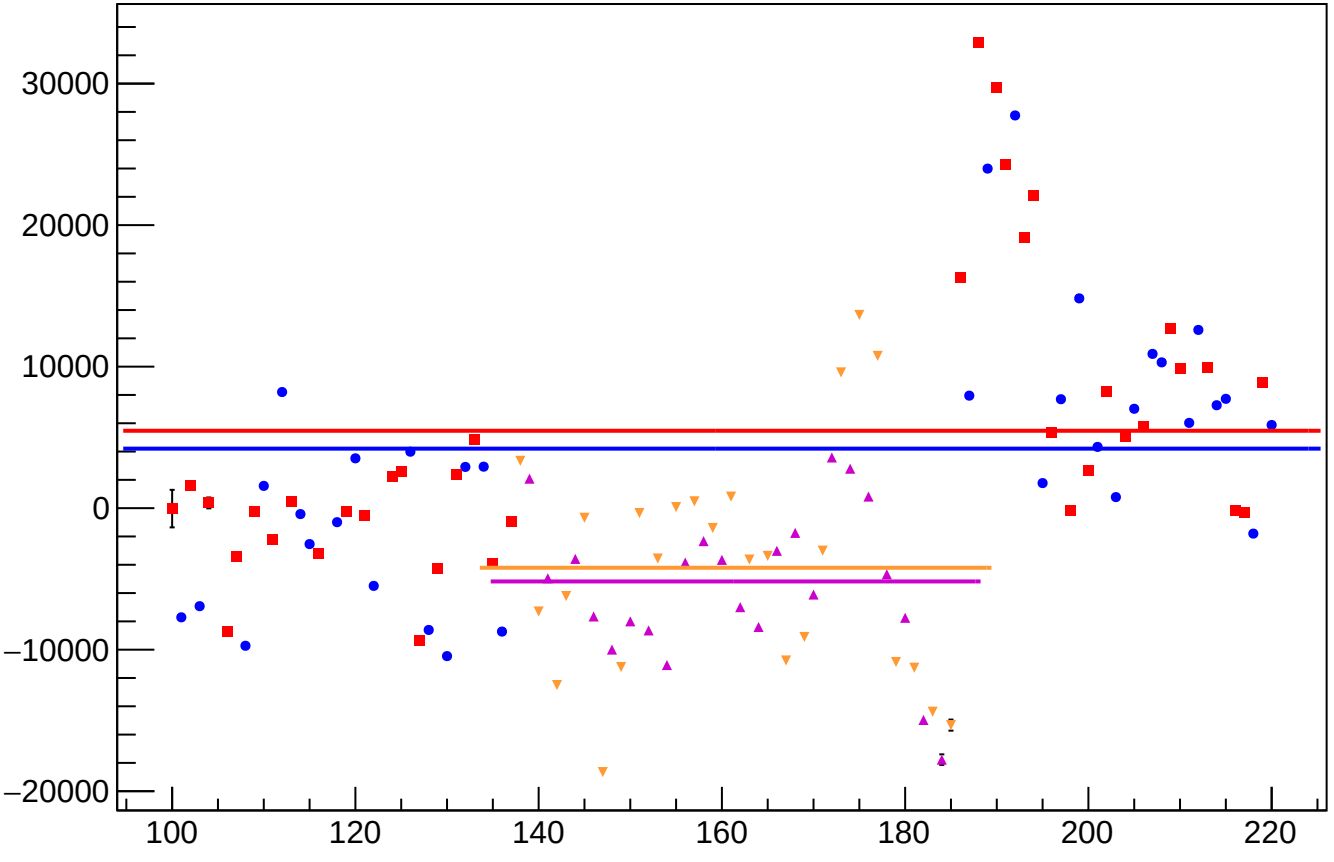
Right: 256.596+/-0.033 χ^2/NDF: 21637497.3/69

In: 238.640+/-0.030 χ^2/NDF:12005873.6/55

Out: 244.159+/-0.029 χ^2/NDF:11173728.0/61

All: 241.427+/-0.021 χ^2/NDF: 23197059.4/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4206.305+/-31.911 χ^2/NDF: 82906.8/32

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5469.697+/-30.831 χ^2/NDF: 107507.6/36

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

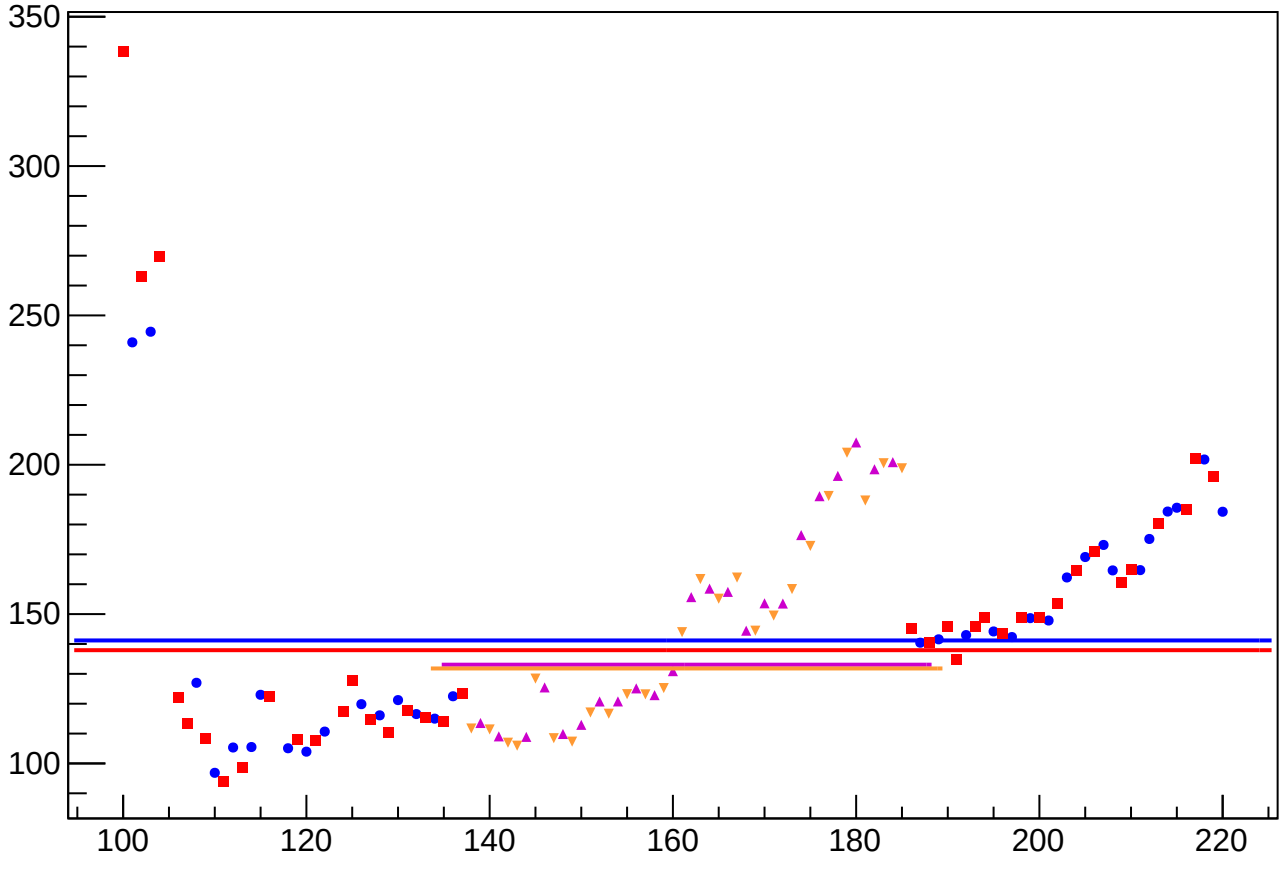
Right: 4859.734+/-22.173 χ^2/NDF: 191225.2/69

In: -477.327+/-22.585 χ^2/NDF:144612.5/55

Out: 629.125+/-21.800 χ^2/NDF:213606.3/61

All: 95.464+/-15.685 χ^2/NDF: 359461.2/117

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 141.180+/-0.023 χ^2/NDF: 1931054.2/32

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

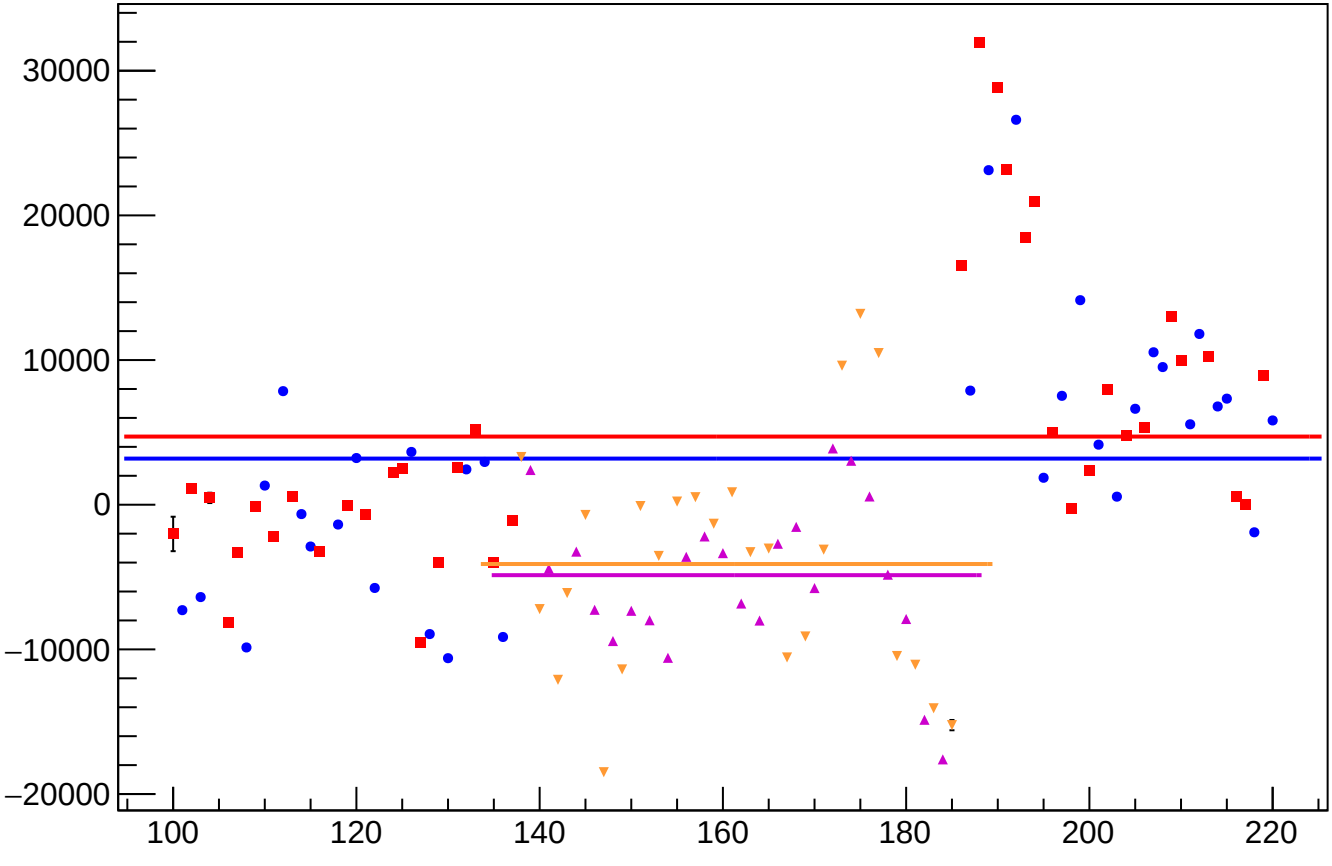
Right: 139.493+/-0.016 χ^2/NDF: 4079179.2/69

In: 137.128+/-0.016 χ^2/NDF:3413920.1/55

Out: 134.858+/-0.015 χ^2/NDF:3721086.6/61

All: 135.953+/-0.011 χ^2/NDF: 7145467.9/117

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 3188.703+/-29.442 χ^2/NDF: 91263.5/32

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4710.953+/-28.530 χ^2/NDF: 114400.1/36

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

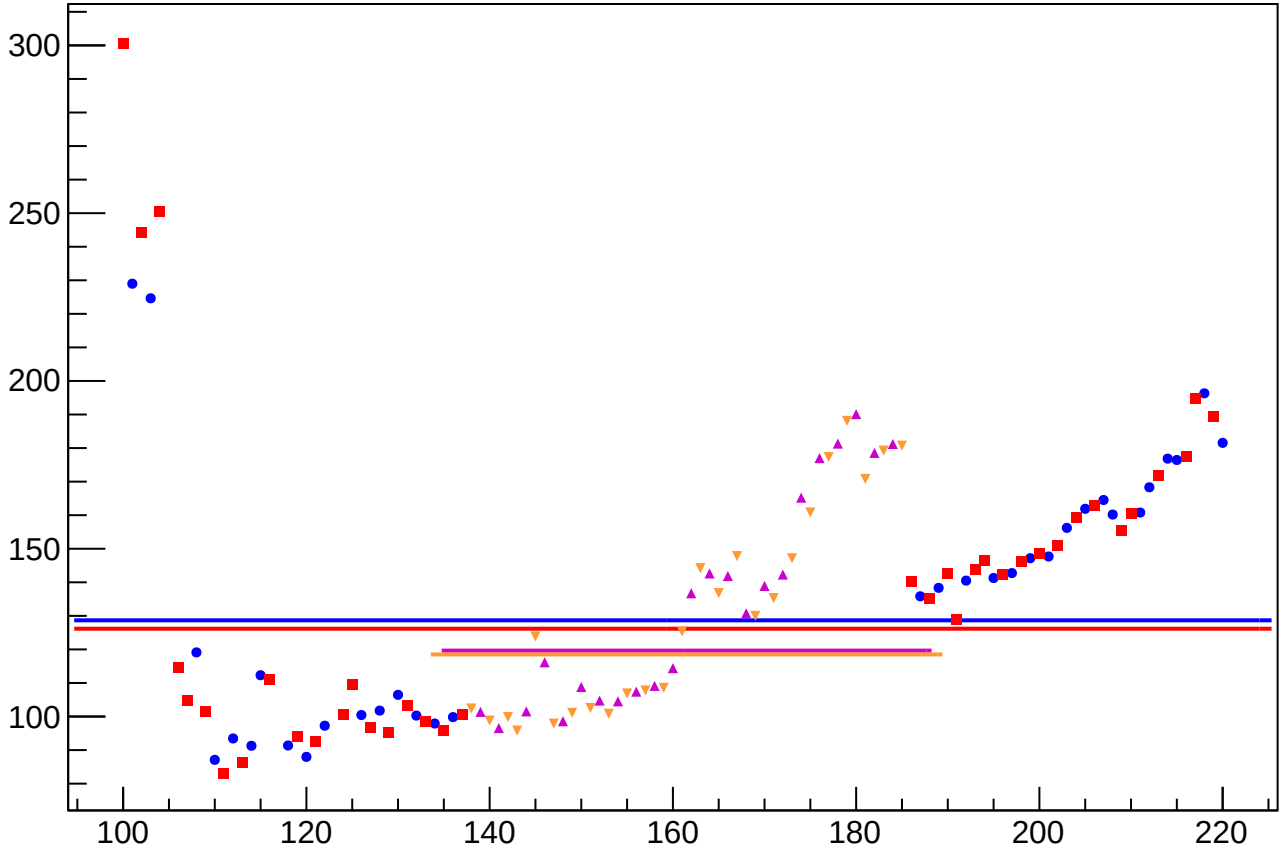
Right: 3973.777+/-20.488 χ^2/NDF: 207042.3/69

In: -928.092+/-20.591 χ^2/NDF:151448.8/55

Out: 187.411+/-19.900 χ^2/NDF:229633.1/61

All: -351.307+/-14.310 χ^2/NDF: 382599.4/11

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 128.671+/-0.021 χ^2/NDF: 2796569.8/32

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 126.171+/-0.020 χ^2/NDF: 2940508.4/36

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

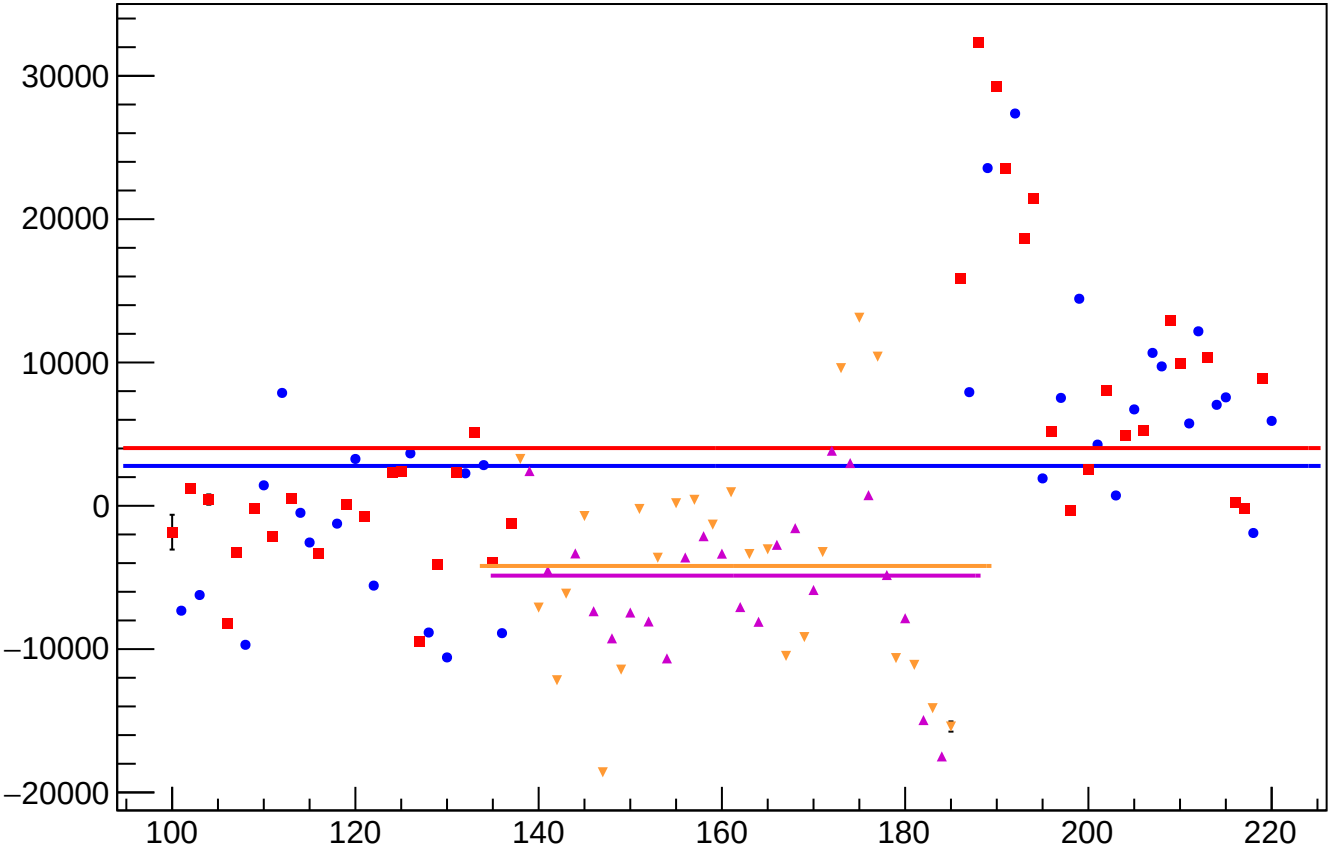
Right: 127.381+/-0.014 χ^2/NDF: 5744515.4/69

In: 124.060+/-0.015 χ^2/NDF:4404977.3/55

Out: 122.233+/-0.014 χ^2/NDF:4641852.6/61

All: 123.115+/-0.010 χ^2/NDF: 9054969.1/117

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 2781.502+/-29.434 χ^2/NDF: 90467.1/32

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 4027.401+/-28.468 χ^2/NDF: 107978.9/36

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

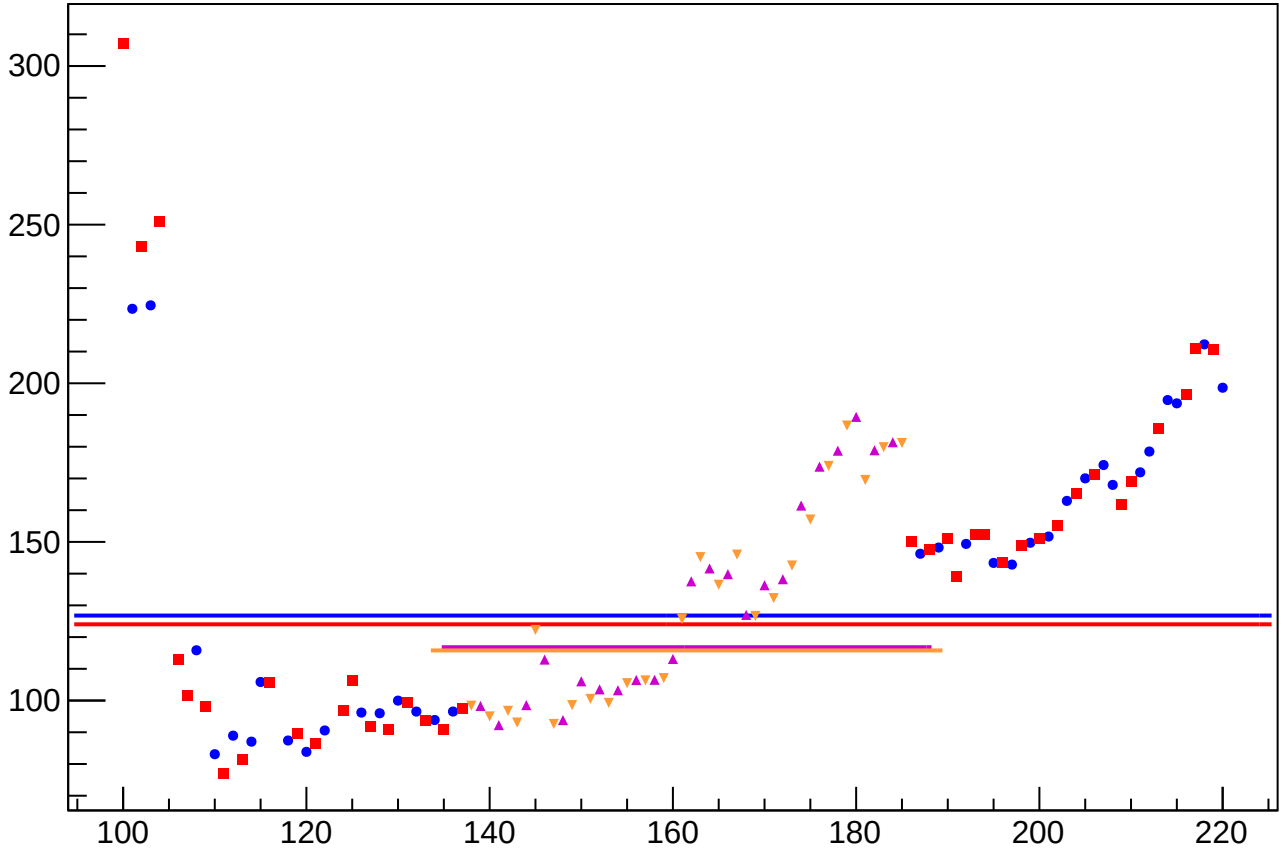
Right: 3425.236+/-20.463 χ^2/NDF: 199371.7/69

In: -1209.619+/-20.363 χ^2/NDF:148653.4/55

Out: -270.650+/-19.670 χ^2/NDF:222013.9/61

All: -723.896+/-14.148 χ^2/NDF: 371767.2/11

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 126.784+/-0.021 χ^2/NDF: 3786300.5/32

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 124.028+/-0.020 χ^2/NDF: 3999399.8/36

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

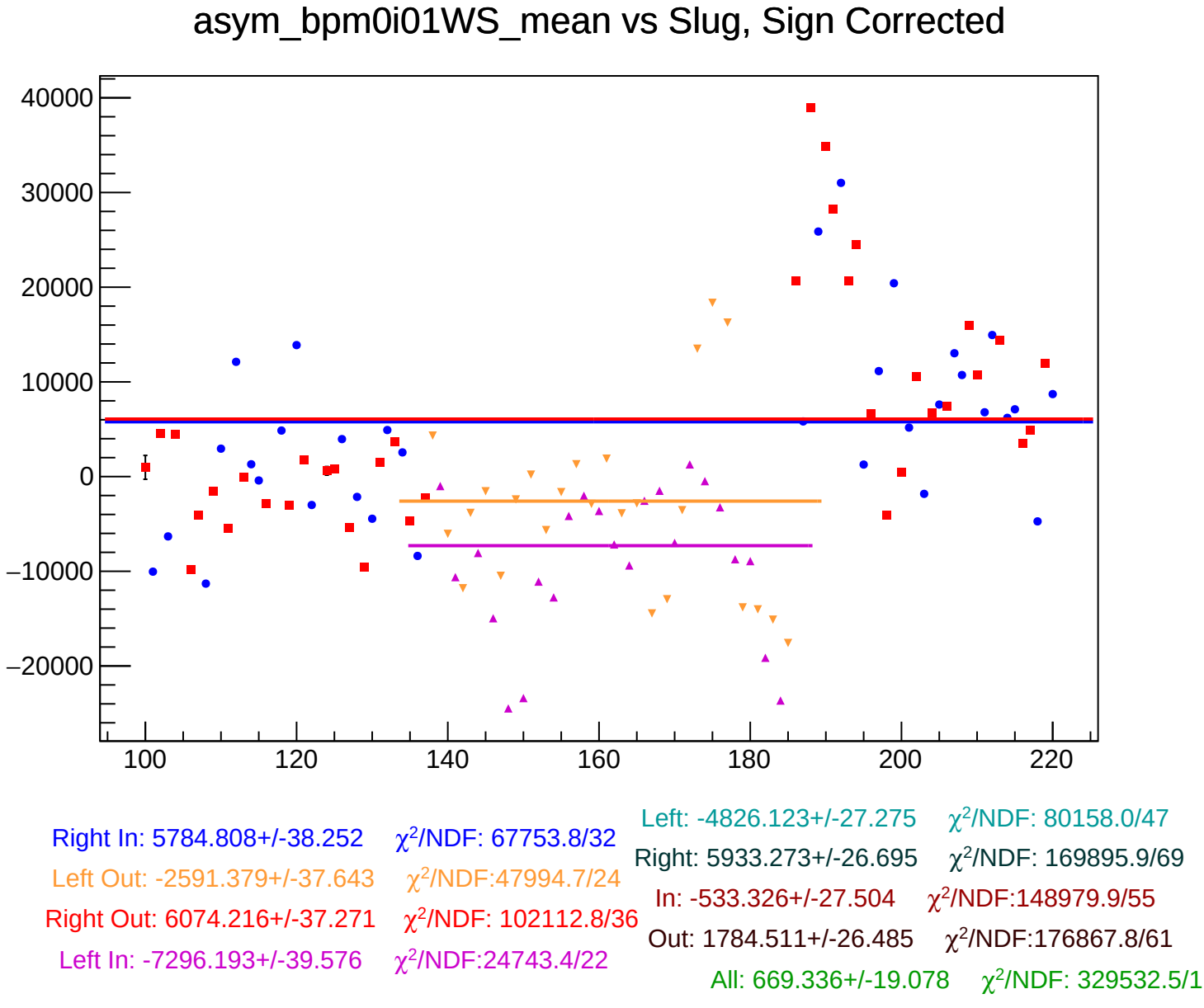
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 125.360+/-0.014 χ^2/NDF: 7794761.7/69

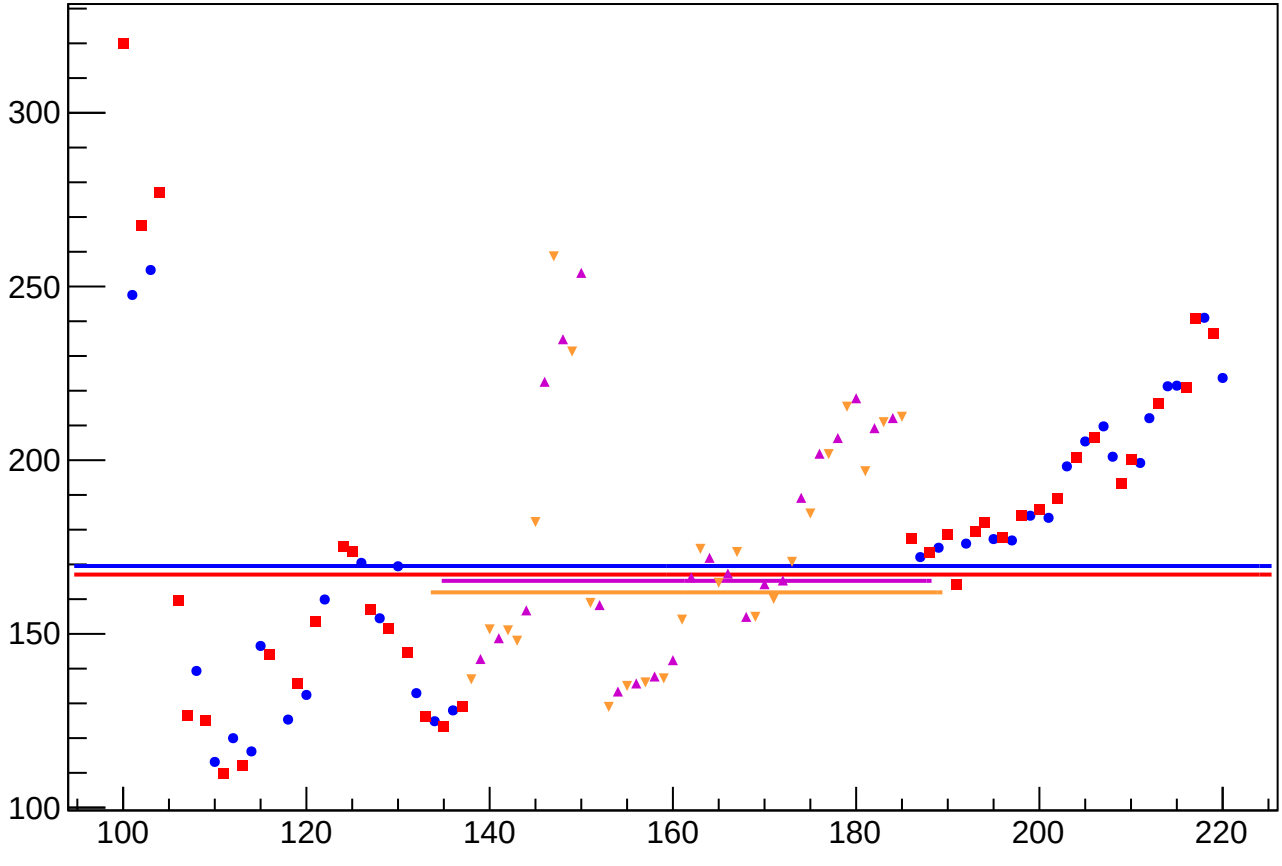
In: 121.583+/-0.014 χ^2/NDF:5523725.6/55

Out: 119.727+/-0.014 χ^2/NDF:5835769.1/61

All: 120.623+/-0.010 χ^2/NDF: 11368086.8/11


asym_bpm0i01WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 5784.808+/-38.252 χ²/NDF: 67753.8/32
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: 6074.216+/-37.271 χ²/NDF: 102112.8/36
Left In: -7296.193+/-39.576 χ²/NDF:24743.4/22
Left: -4826.123+/-27.275 χ²/NDF: 80158.0/47
Right: 5933.273+/-26.695 χ²/NDF: 169895.9/69
In: -533.326+/-27.504 χ²/NDF:148979.9/55
Out: 1784.511+/-26.485 χ²/NDF:176867.8/61
All: 669.336+/-19.078 χ²/NDF: 329532.5/117

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 169.539+/-0.027 χ^2/NDF: 2009161.4/32

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 167.075+/-0.026 χ^2/NDF: 2122129.3/36

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

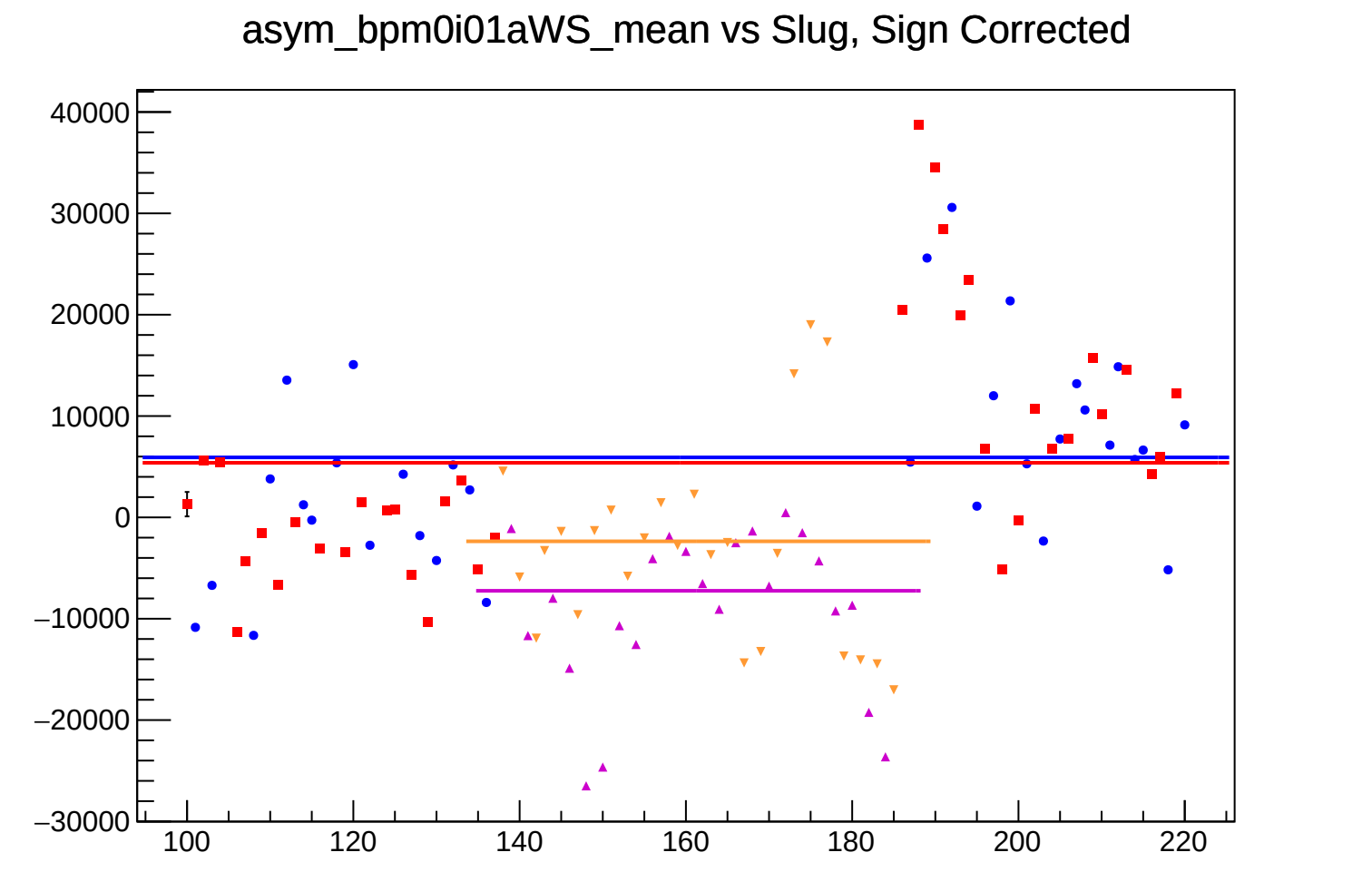
Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

Right: 168.275+/-0.019 χ^2/NDF: 4135550.0/69

In: 167.478+/-0.019 χ^2/NDF:3200271.0/55

Out: 164.541+/-0.019 χ^2/NDF:3285604.5/61

All: 165.954+/-0.013 χ^2/NDF: 6497710.1/117



Right In: 5918.479+/-32.693 χ^2/NDF: 94211.4/32

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 5386.988+/-31.655 χ^2/NDF: 142463.5/36

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

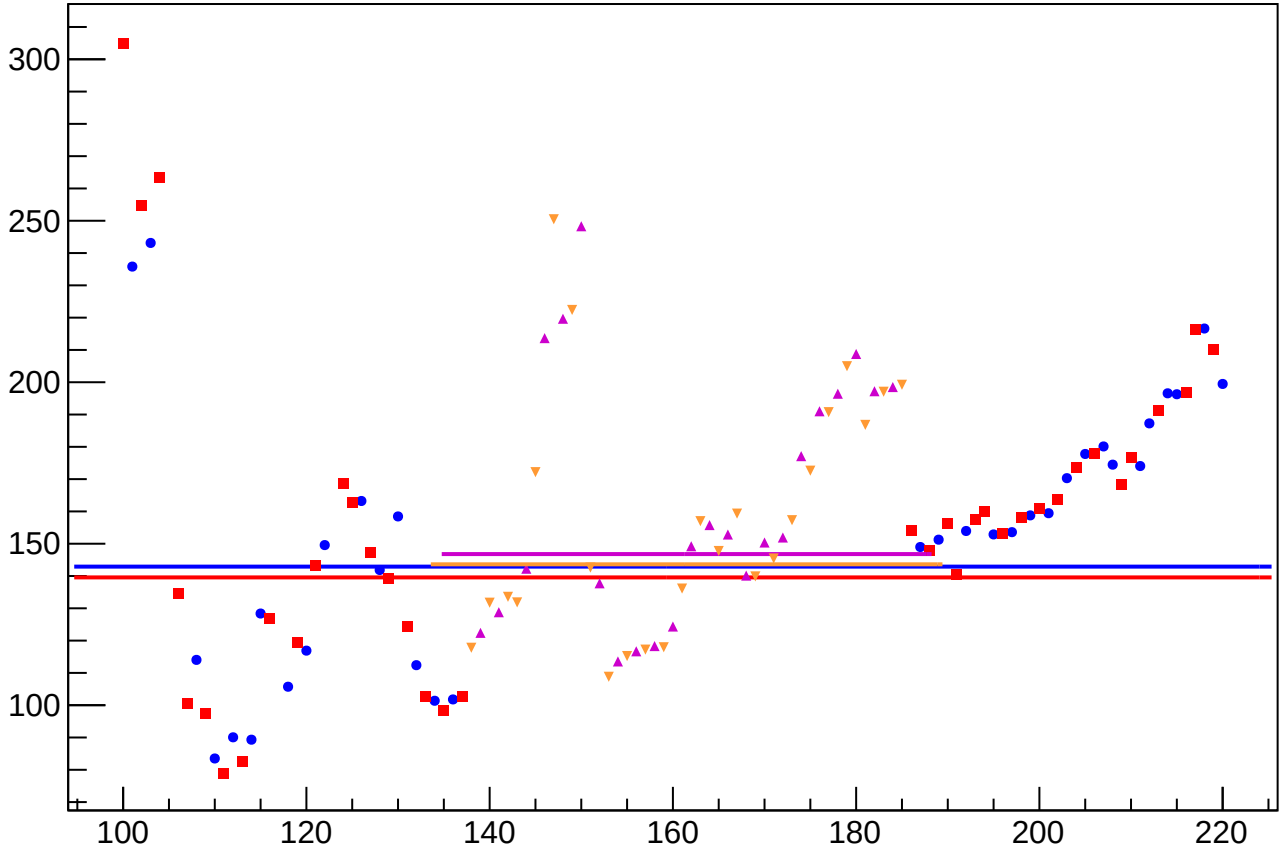
Right: 5644.165+/-22.742 χ^2/NDF: 236811.4/69

In: -120.889+/-24.051 χ^2/NDF:199037.6/55

Out: 1753.005+/-23.066 χ^2/NDF:229127.3/61

All: 855.198+/-16.648 χ^2/NDF: 431326.9/117

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 142.909+/-0.023 χ^2/NDF: 2904568.1/32

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 139.569+/-0.022 χ^2/NDF: 3218417.0/36

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

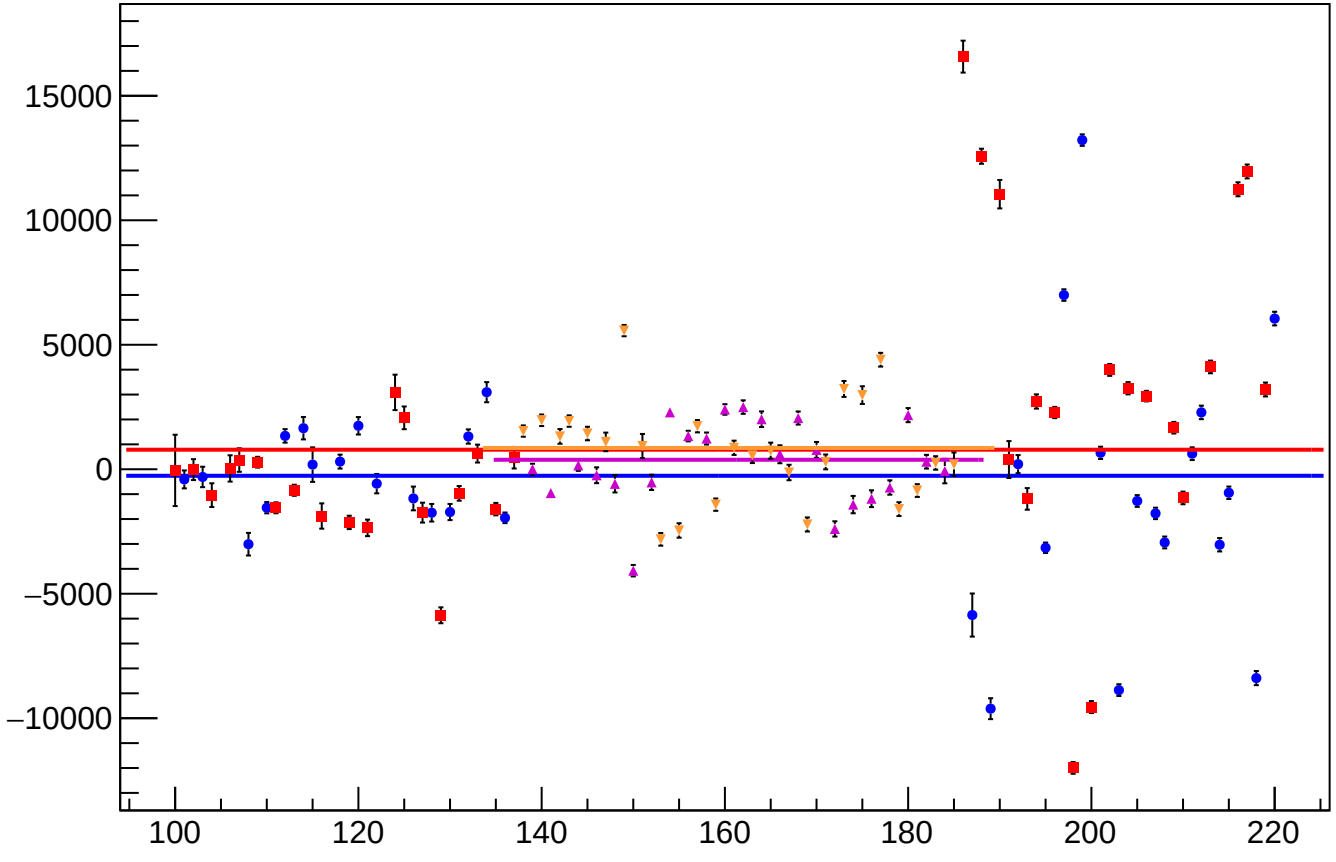
Right: 141.185+/-0.016 χ^2/NDF: 6133759.5/69

In: 144.691+/-0.017 χ^2/NDF:4612048.1/55

Out: 141.470+/-0.016 χ^2/NDF:4896625.6/61

All: 143.013+/-0.012 χ^2/NDF: 9527359.6/117

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -262.481+/-50.255 χ^2/NDF: 8561.6/32

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 784.528+/-49.658 χ^2/NDF: 12071.3/36

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

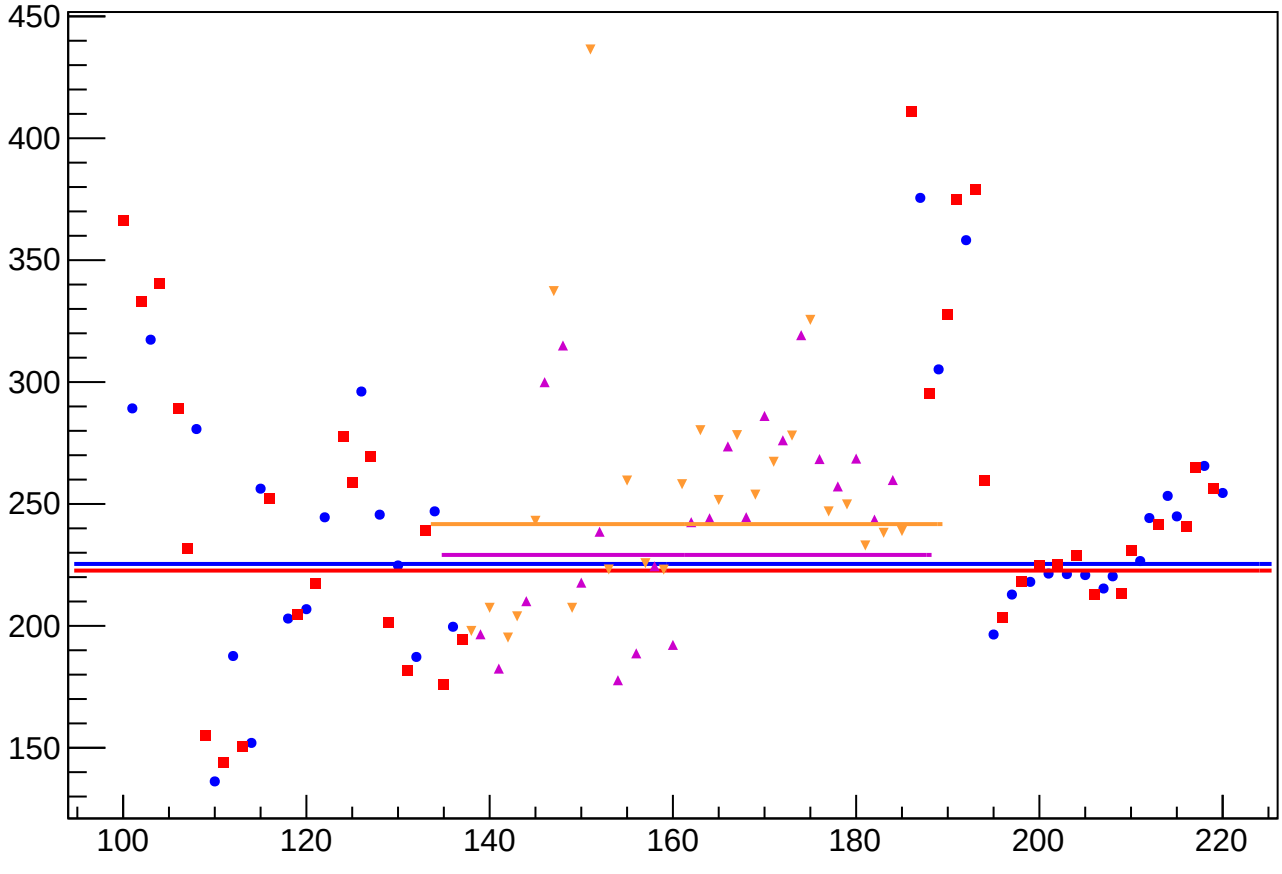
Right: 267.278+/-35.323 χ^2/NDF: 20852.6/69

In: 29.466+/-37.141 χ^2/NDF:9618.4/55

Out: 814.928+/-37.223 χ^2/NDF:13516.0/61

All: 421.333+/-26.292 χ^2/NDF: 23357.5/117

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 225.402+/-0.036 χ^2/NDF: 1300232.3/32

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 222.684+/-0.035 χ^2/NDF: 2022289.9/36

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

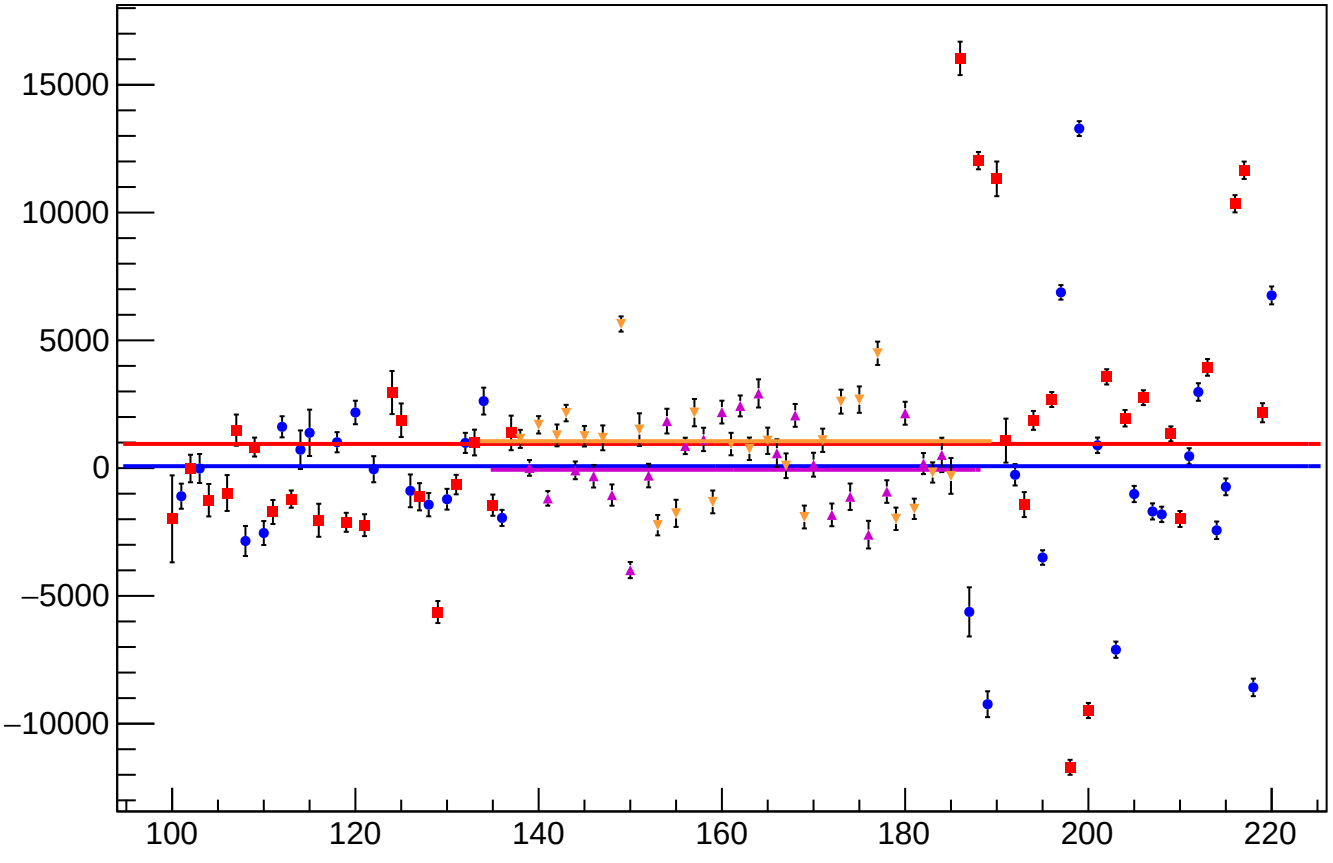
Right: 224.027+/-0.025 χ^2/NDF: 3325481.9/69

In: 227.082+/-0.026 χ^2/NDF:2374115.8/55

Out: 231.035+/-0.026 χ^2/NDF:3137790.5/61

All: 229.054+/-0.019 χ^2/NDF: 5523213.6/117

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 75.918+/-66.810 χ^2/NDF: 5105.8/32

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 946.621+/-66.286 χ^2/NDF: 7635.2/36

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

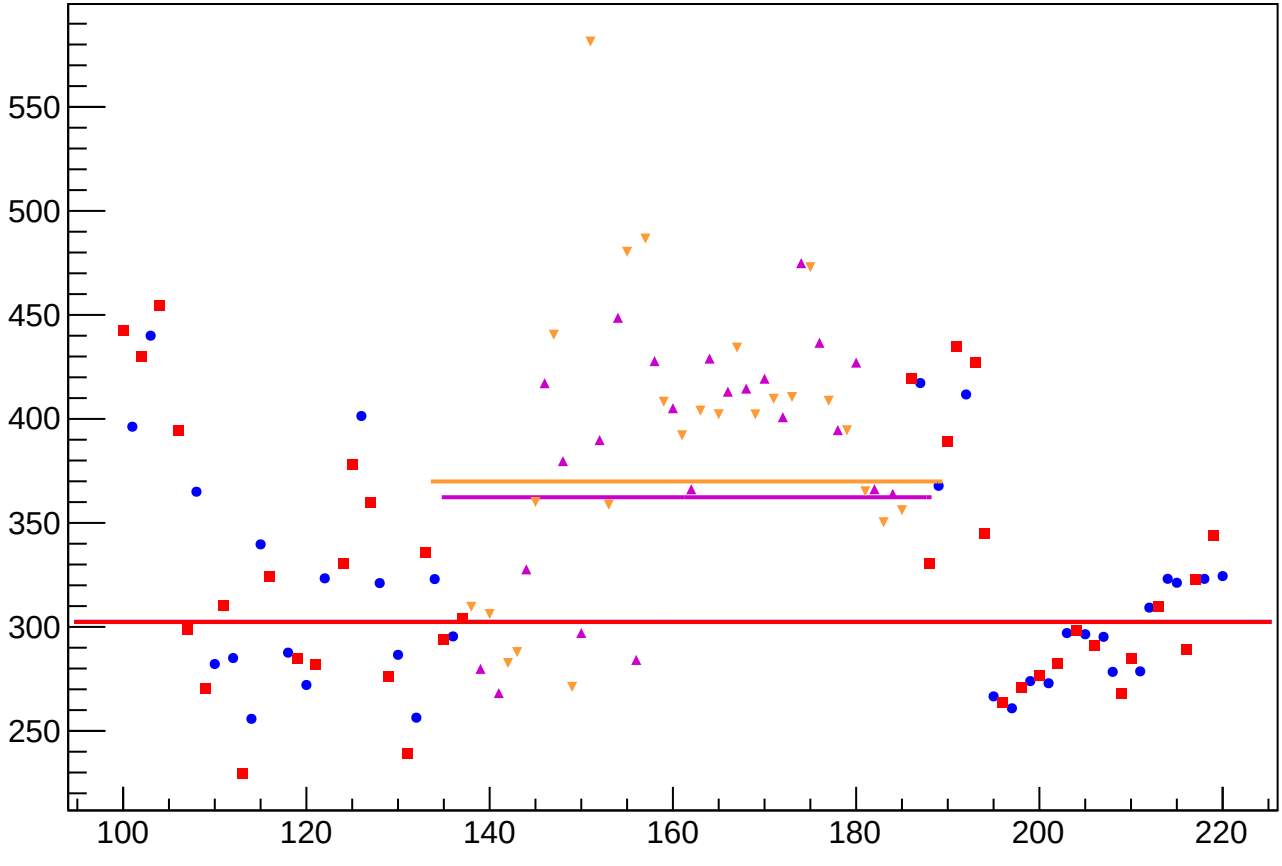
Right: 514.697+/-47.055 χ^2/NDF: 12826.6/69

In: 23.517+/-52.911 χ^2/NDF:5501.9/55

Out: 986.459+/-52.477 χ^2/NDF:8250.8/61

All: 508.956+/-37.259 χ^2/NDF: 13919.7/117

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 302.476+/-0.047 χ^2/NDF: 698907.8/32

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 302.340+/-0.047 χ^2/NDF: 990558.4/36

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

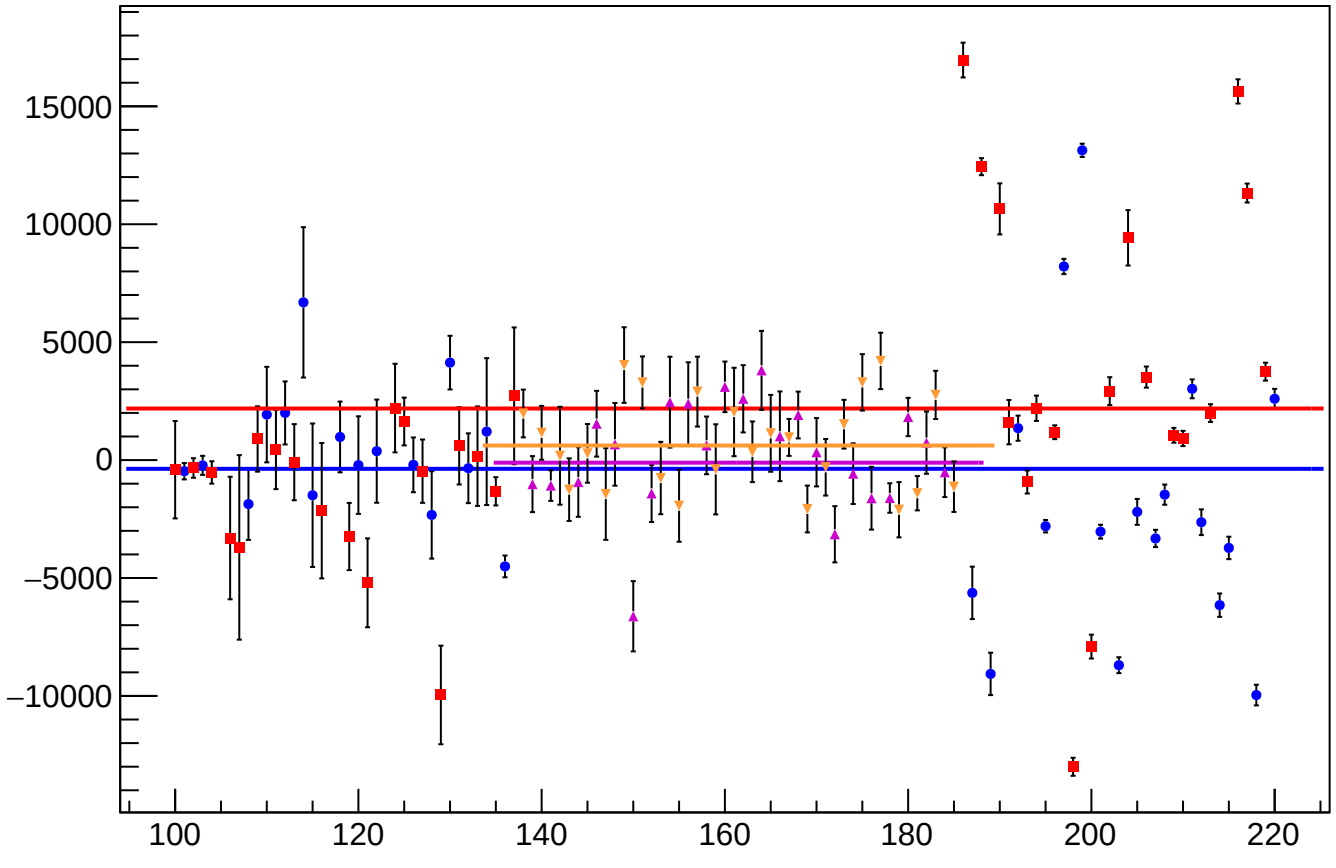
Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

Right: 302.407+/-0.033 χ^2/NDF: 1689470.5/69

In: 324.793+/-0.037 χ^2/NDF:2350924.8/55

Out: 327.565+/-0.037 χ^2/NDF:2996879.4/61

All: 326.191+/-0.026 χ^2/NDF: 5350571.5/117



Right In: -370.402+/-87.191 χ^2/NDF: 4911.7/32

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 2186.943+/-94.357 χ^2/NDF: 4786.9/36

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

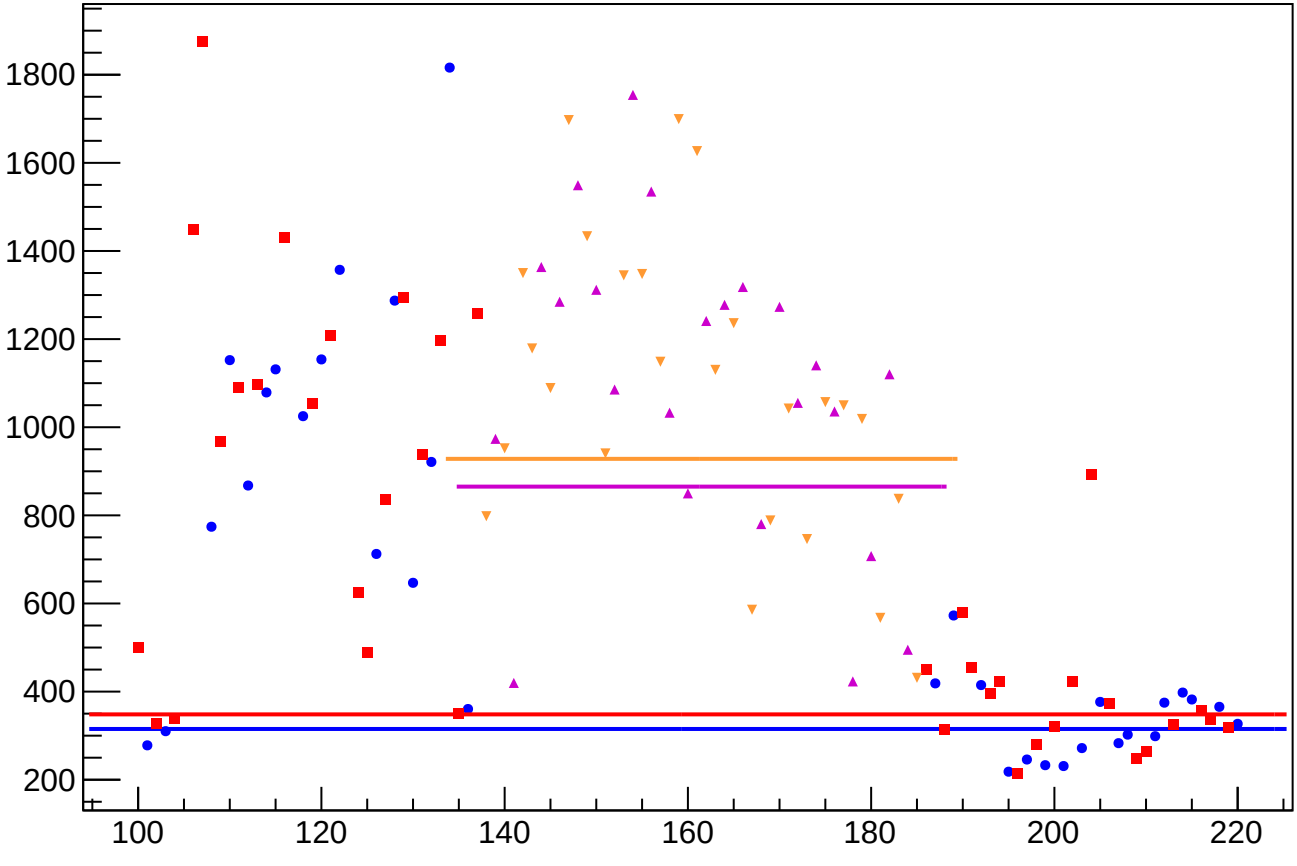
Right: 807.480+/-64.037 χ^2/NDF: 10094.8/69

In: -339.492+/-81.863 χ^2/NDF:4984.5/55

Out: 1974.140+/-87.722 χ^2/NDF:4890.1/61

All: 737.474+/-59.850 χ^2/NDF: 10246.4/117

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 315.204+/-0.062 χ^2/NDF: 5324383.2/32

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 348.313+/-0.067 χ^2/NDF: 6177072.5/36

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

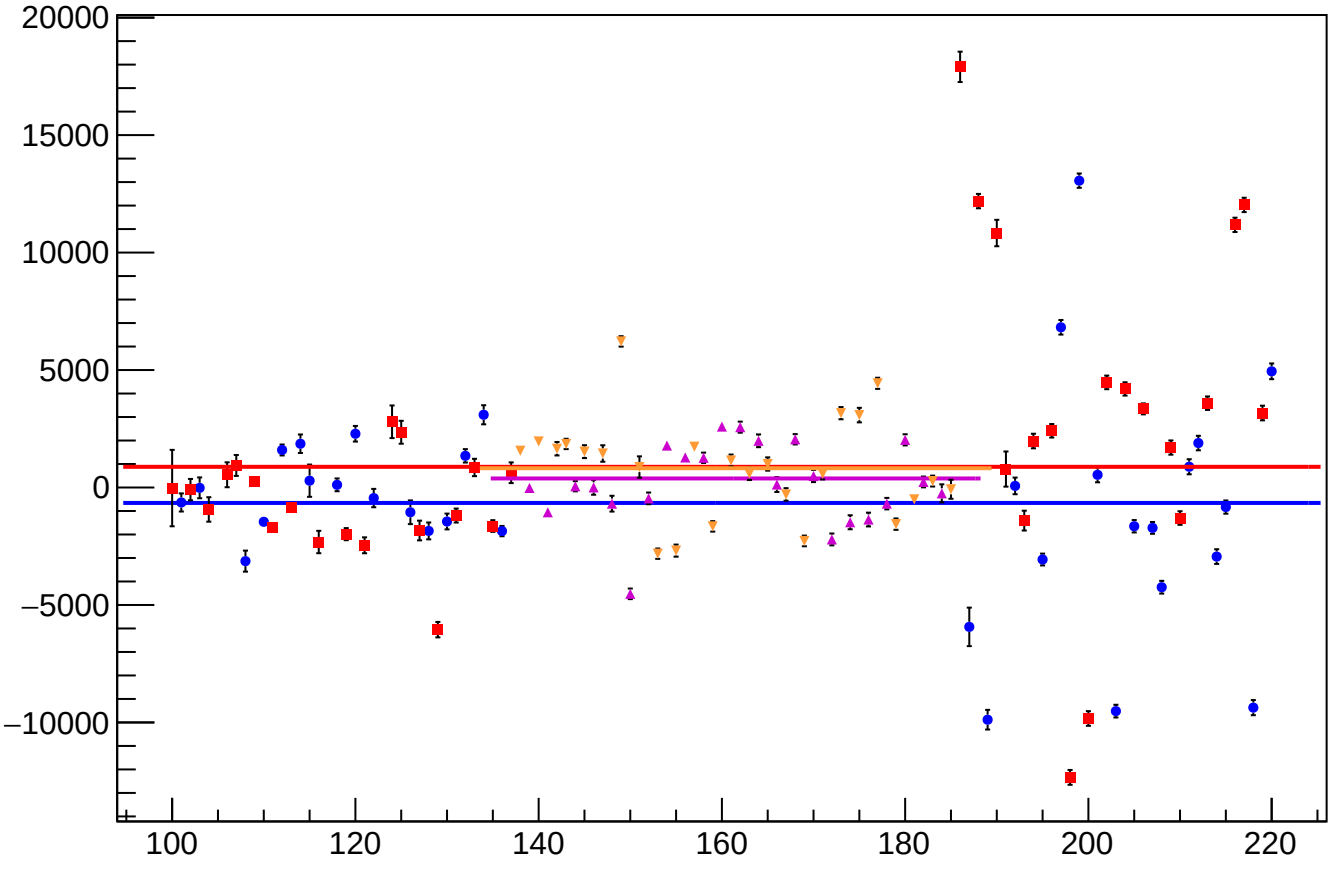
Right: 330.454+/-0.045 χ^2/NDF: 11634291.0/69

In: 380.370+/-0.058 χ^2/NDF:19546682.9/55

Out: 426.999+/-0.062 χ^2/NDF:19722368.1/61

All: 402.075+/-0.042 χ^2/NDF: 39571090.5/11

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -656.515+/-54.408 χ^2/NDF: 6128.5/32

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 880.683+/-52.477 χ^2/NDF: 9659.9/36

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

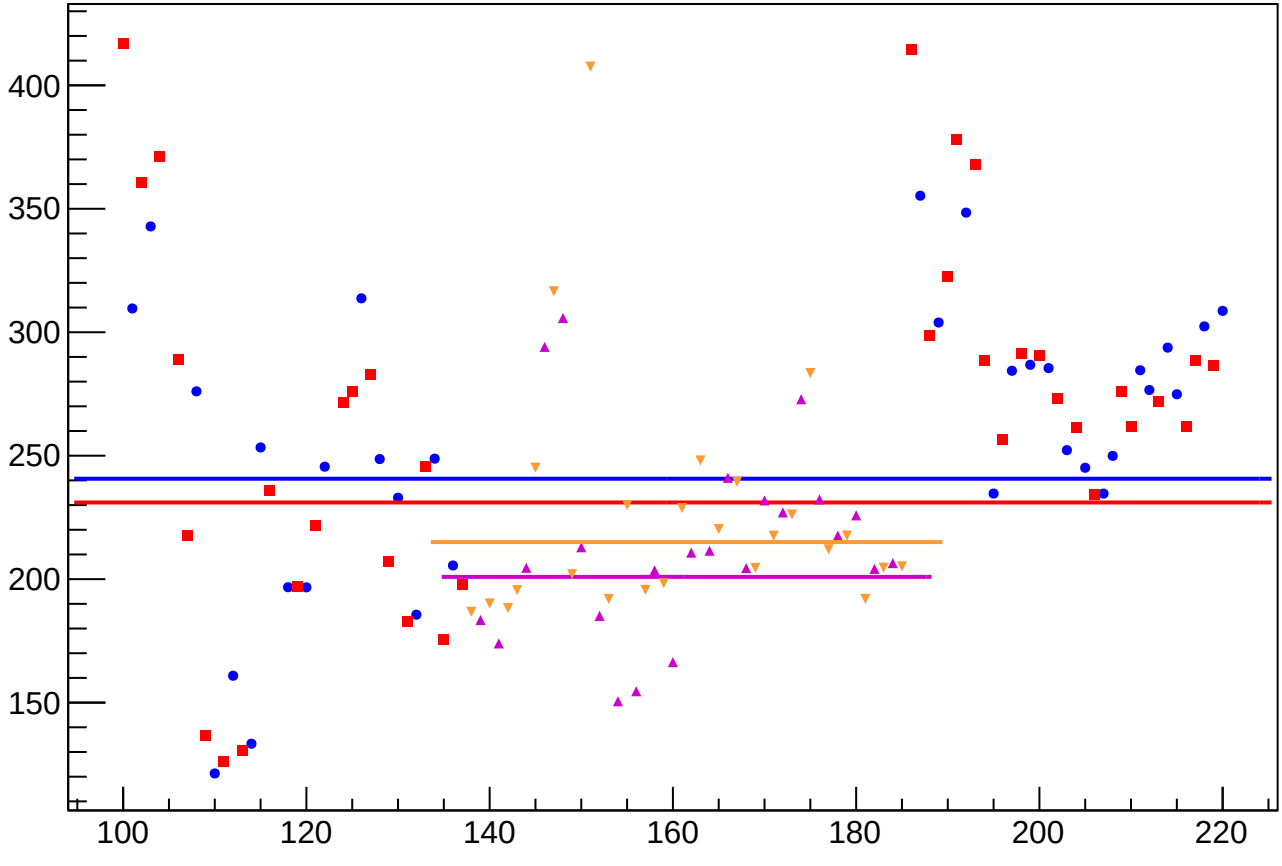
Right: 139.839+/-37.771 χ^2/NDF: 16201.9/69

In: -75.681+/-36.185 χ^2/NDF:7586.2/55

Out: 849.304+/-36.198 χ^2/NDF:11651.3/61

All: 386.646+/-25.591 χ^2/NDF: 19564.1/117

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 240.677+/-0.038 χ^2/NDF: 2229405.8/32

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 231.056+/-0.037 χ^2/NDF: 3395371.8/36

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

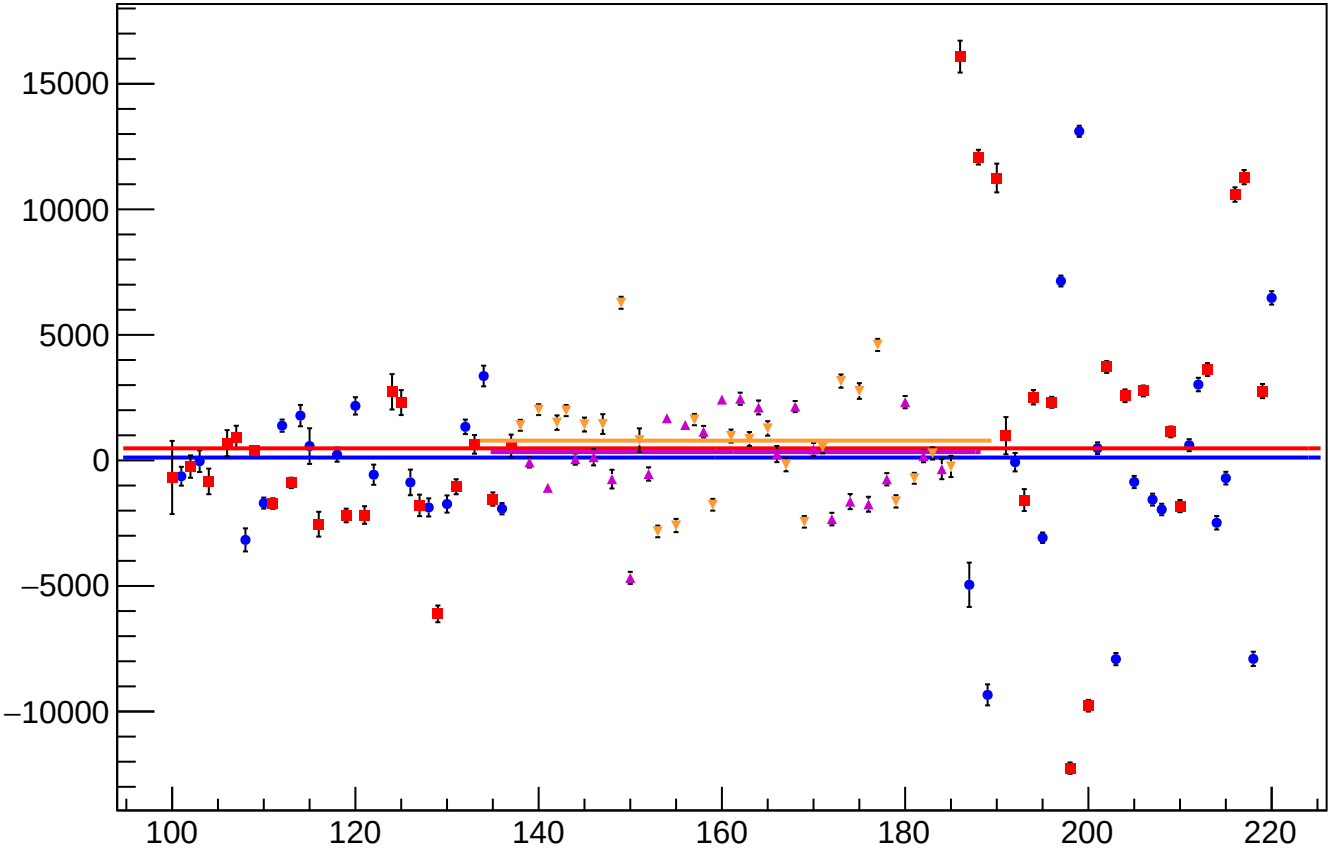
Right: 235.693+/-0.027 χ^2/NDF: 5657176.1/69

In: 218.504+/-0.026 χ^2/NDF:3930894.5/55

Out: 222.654+/-0.026 χ^2/NDF:4390979.0/61

All: 220.578+/-0.018 χ^2/NDF: 8335022.0/117

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 114.250+/-49.830 χ^2/NDF: 8528.3/32

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 480.881+/-49.133 χ^2/NDF: 12017.1/36

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

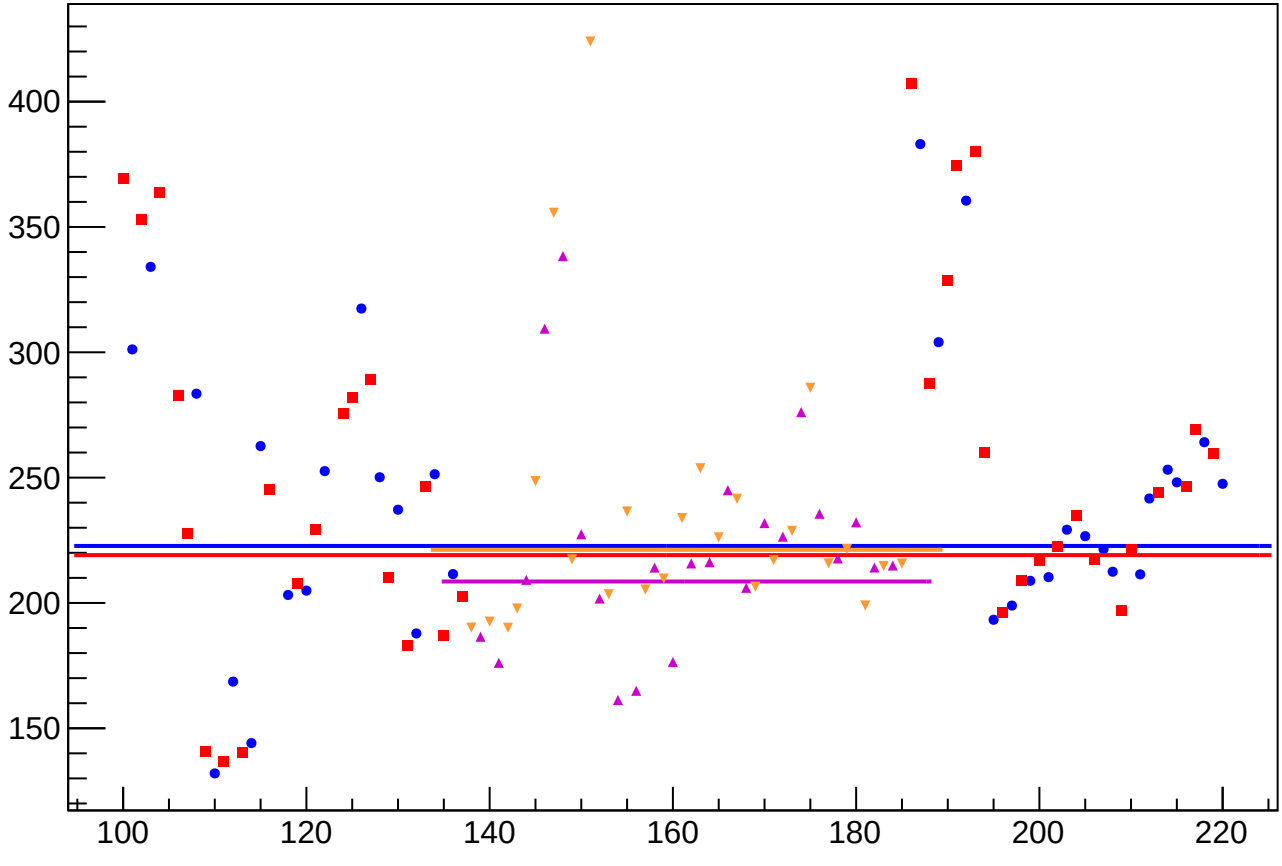
Right: 300.147+/-34.986 χ^2/NDF: 20572.9/69

In: 222.979+/-35.363 χ^2/NDF:9753.1/55

Out: 627.499+/-35.525 χ^2/NDF:13926.0/61

All: 424.318+/-25.063 χ^2/NDF: 23744.3/117

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 222.744+/-0.035 χ^2/NDF: 1551603.3/32

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 219.080+/-0.035 χ^2/NDF: 2438997.4/36

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

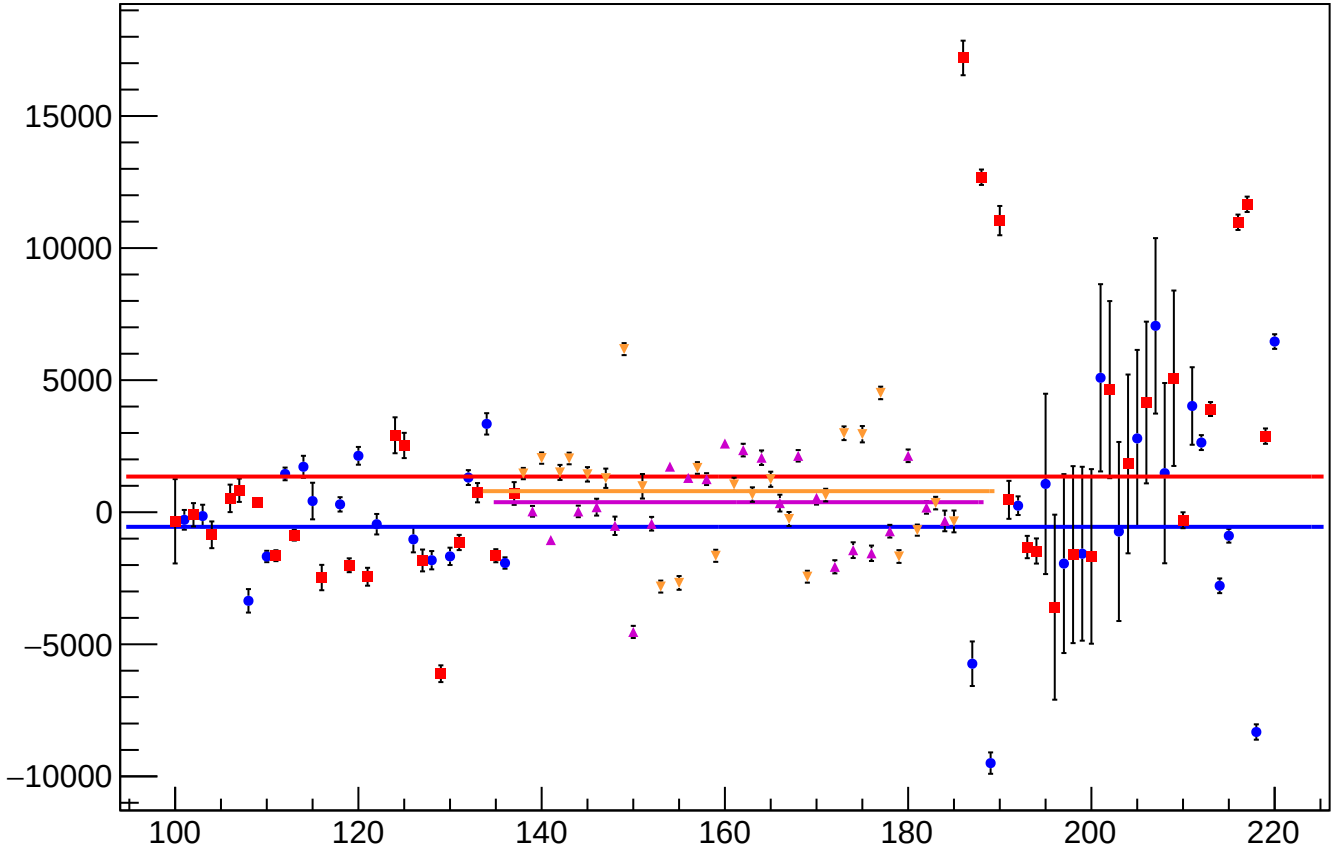
Right: 220.886+/-0.025 χ^2/NDF: 3996084.6/69

In: 215.702+/-0.025 χ^2/NDF:2667723.3/55

Out: 220.085+/-0.025 χ^2/NDF:3380269.7/61

All: 217.883+/-0.018 χ^2/NDF: 6063282.9/117

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -553.484+/-64.967 χ^2/NDF: 2540.5/32

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 1349.854+/-60.133 χ^2/NDF: 6575.0/36

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

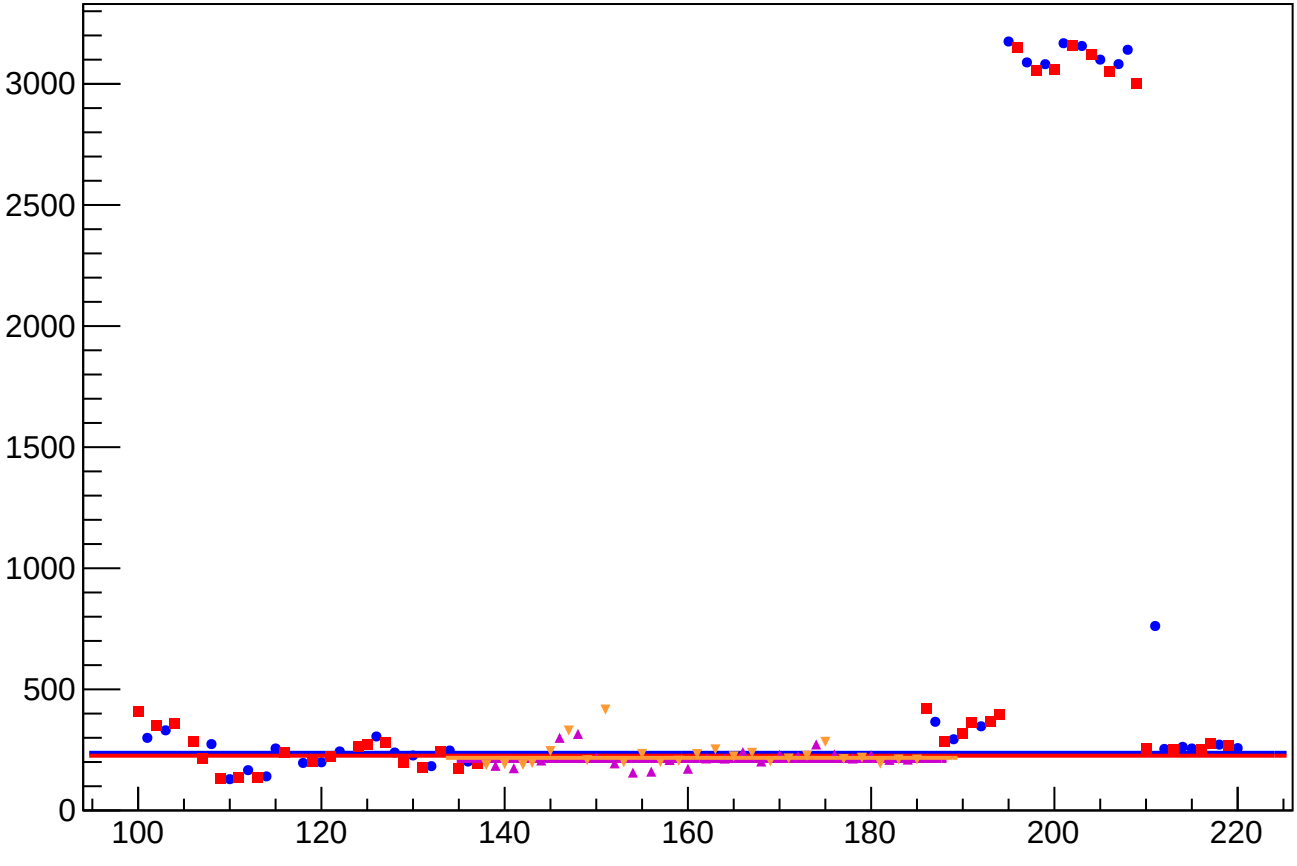
Right: 471.616+/-44.131 χ^2/NDF: 9577.8/69

In: 39.641+/-39.214 χ^2/NDF:3872.9/55

Out: 1025.902+/-38.670 χ^2/NDF:8585.3/61

All: 539.659+/-27.534 χ^2/NDF: 12778.9/117

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 238.044+/-0.046 χ^2/NDF: 13420136.7/32

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 226.056+/-0.043 χ^2/NDF: 13280464.8/36

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

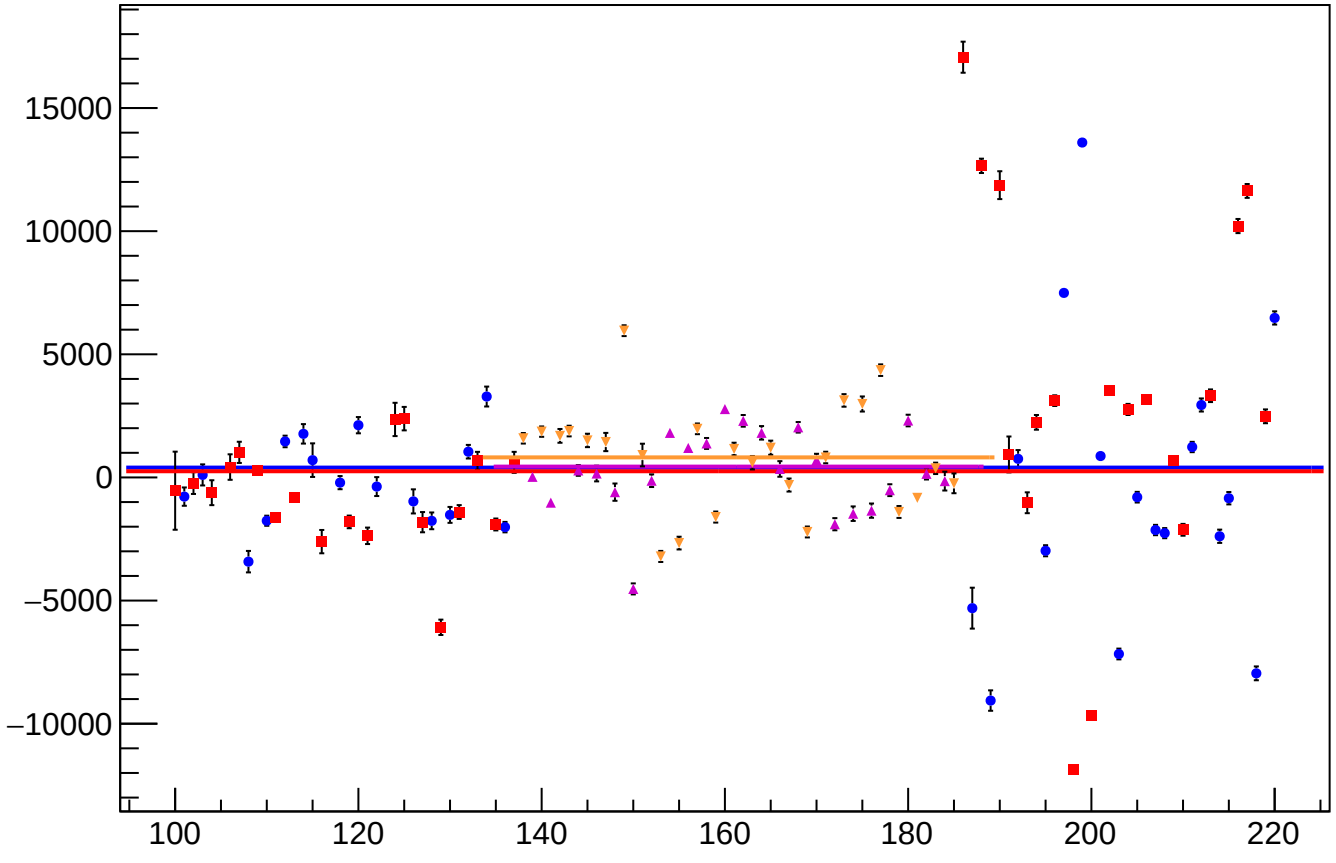
Right: 231.587+/-0.031 χ^2/NDF: 26737278.5/69

In: 216.599+/-0.028 χ^2/NDF:14778003.0/55

Out: 220.876+/-0.027 χ^2/NDF:14216208.3/61

All: 218.767+/-0.019 χ^2/NDF: 29006277.5/11

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 399.573+/-46.773 χ^2/NDF: 10750.7/32

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 251.206+/-46.087 χ^2/NDF: 14037.6/36

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

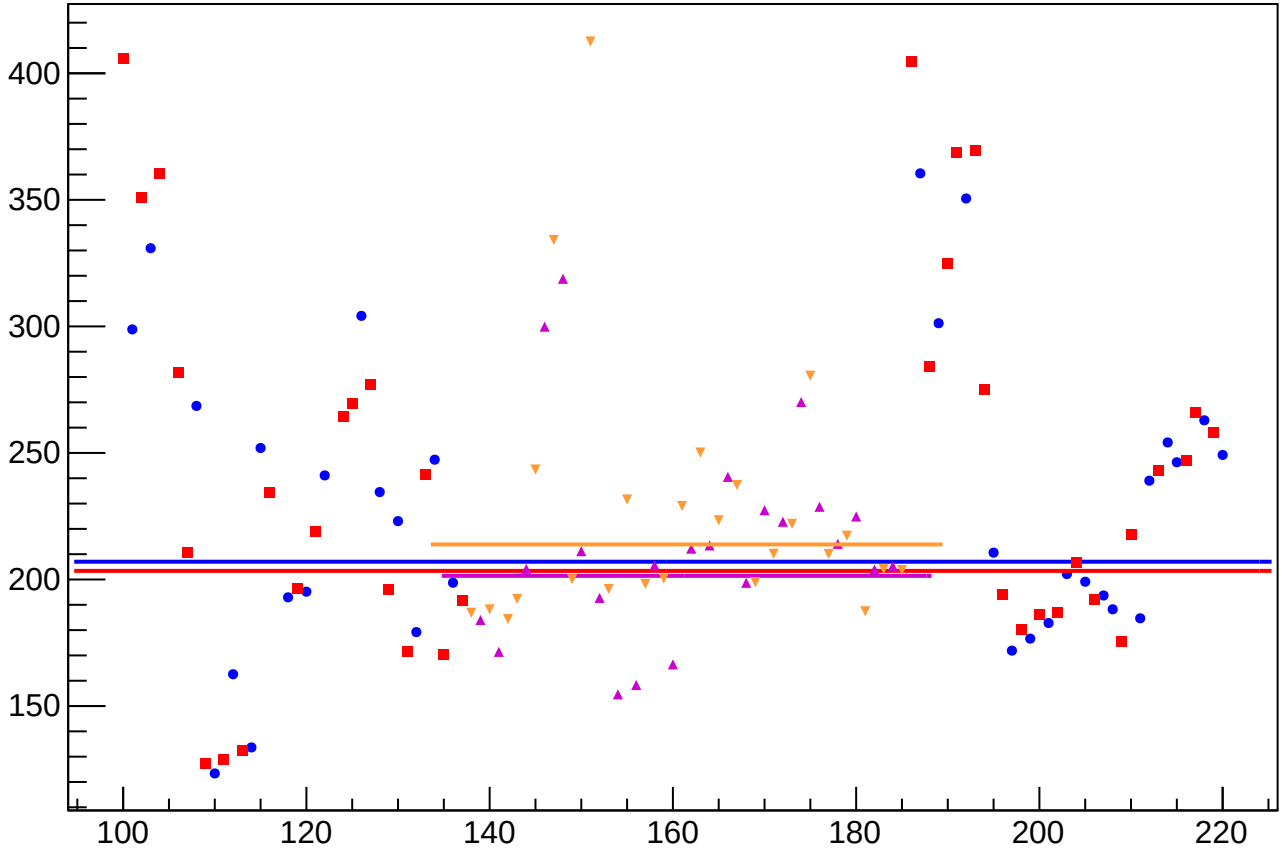
Right: 324.292+/-32.828 χ^2/NDF: 24793.4/69

In: 418.882+/-33.679 χ^2/NDF:11986.0/55

Out: 511.194+/-33.812 χ^2/NDF:16106.9/61

All: 464.856+/-23.862 χ^2/NDF: 28096.6/117

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 207.023+/-0.033 χ^2/NDF: 1934998.1/32

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 203.407+/-0.033 χ^2/NDF: 2978852.4/36

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

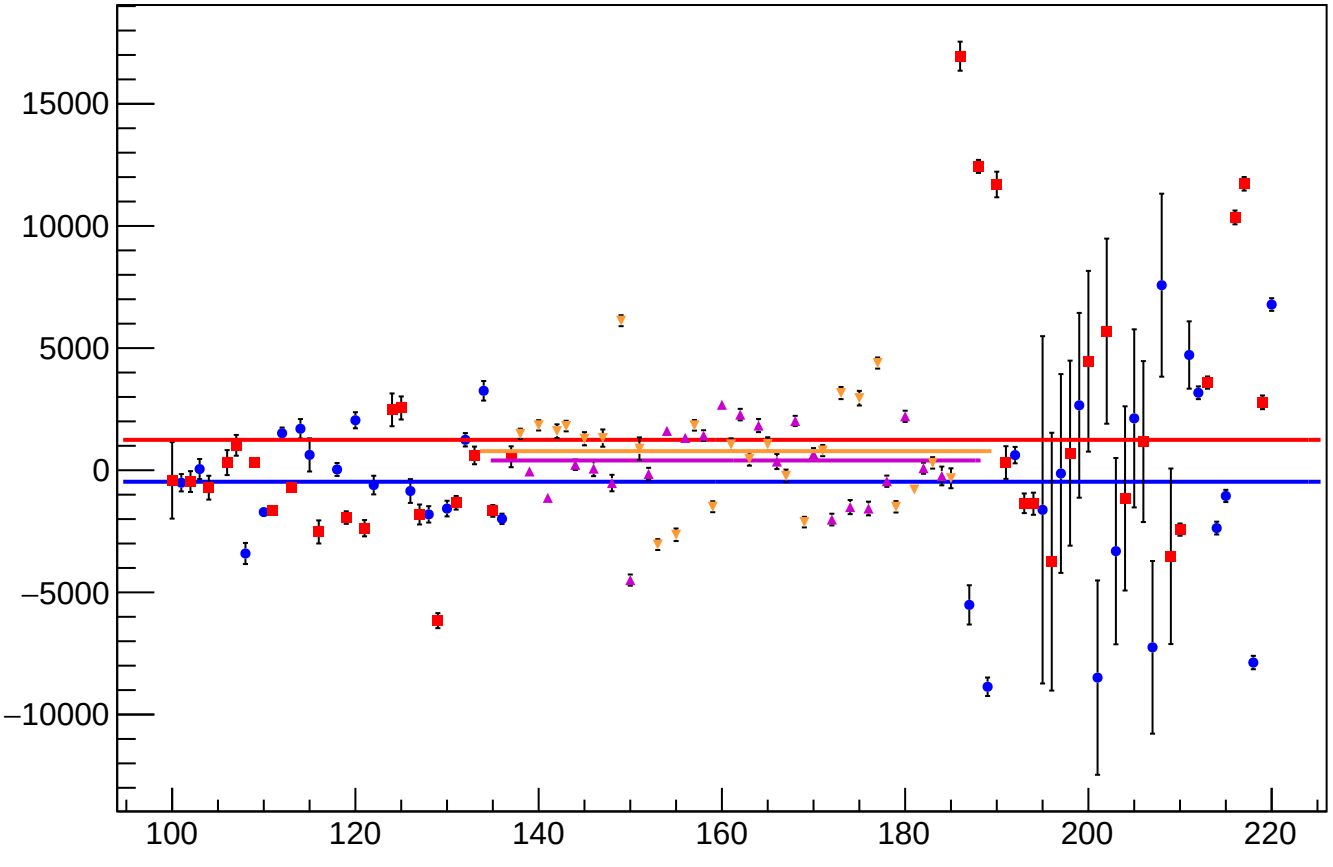
Right: 205.188+/-0.023 χ^2/NDF: 4919913.2/69

In: 204.337+/-0.024 χ^2/NDF:3010662.8/55

Out: 208.228+/-0.024 χ^2/NDF:3989828.9/61

All: 206.275+/-0.017 χ^2/NDF: 7013786.7/117

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -471.105+/-62.429 χ^2/NDF: 2789.2/32

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 1244.513+/-57.386 χ^2/NDF: 7329.3/36

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

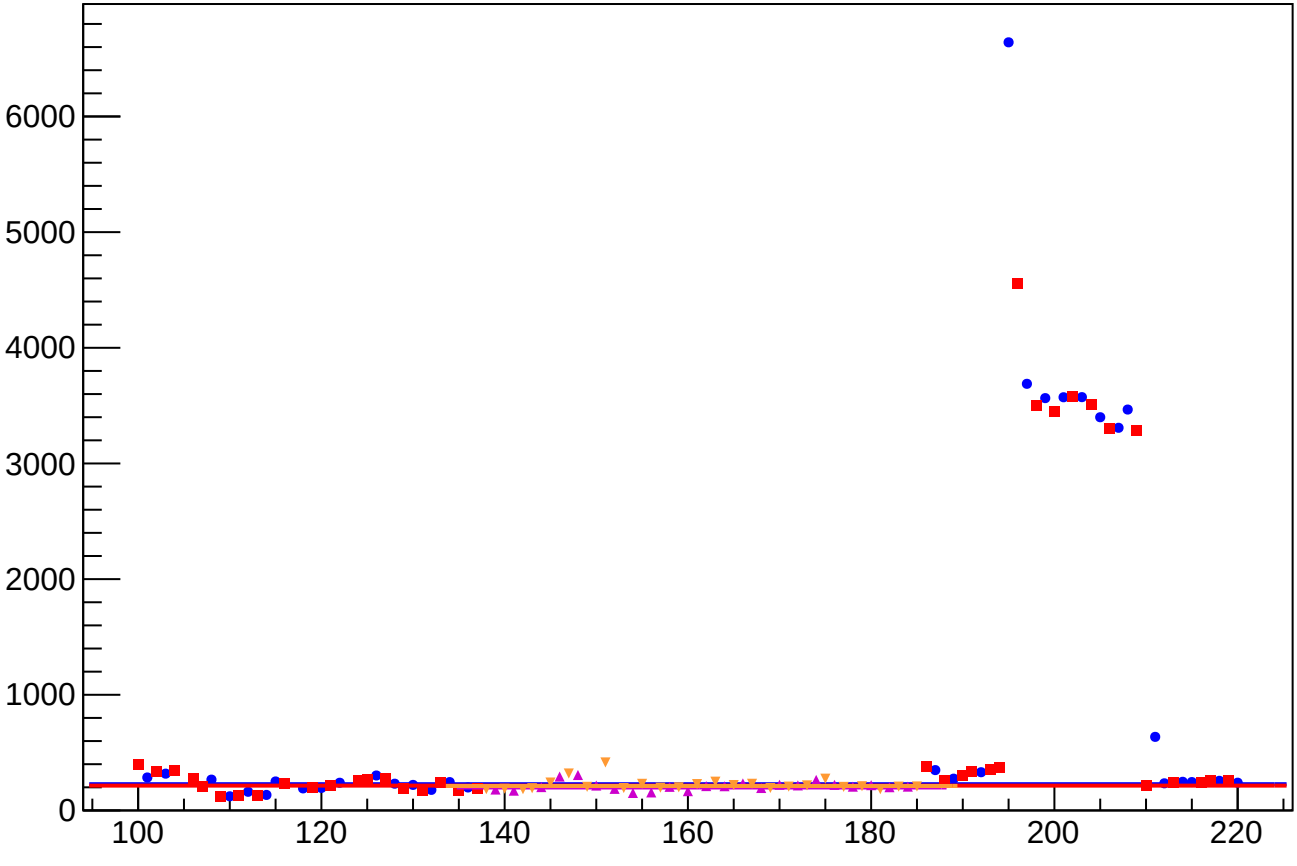
Right: 458.788+/-42.248 χ^2/NDF: 10527.9/69

In: 77.768+/-37.962 χ^2/NDF:4143.9/55

Out: 978.164+/-37.351 χ^2/NDF:9367.9/61

All: 535.268+/-26.625 χ^2/NDF: 13797.7/117

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 227.146+/-0.044 χ^2/NDF: 13789972.5/32

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 214.722+/-0.041 χ^2/NDF: 13549082.9/36

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

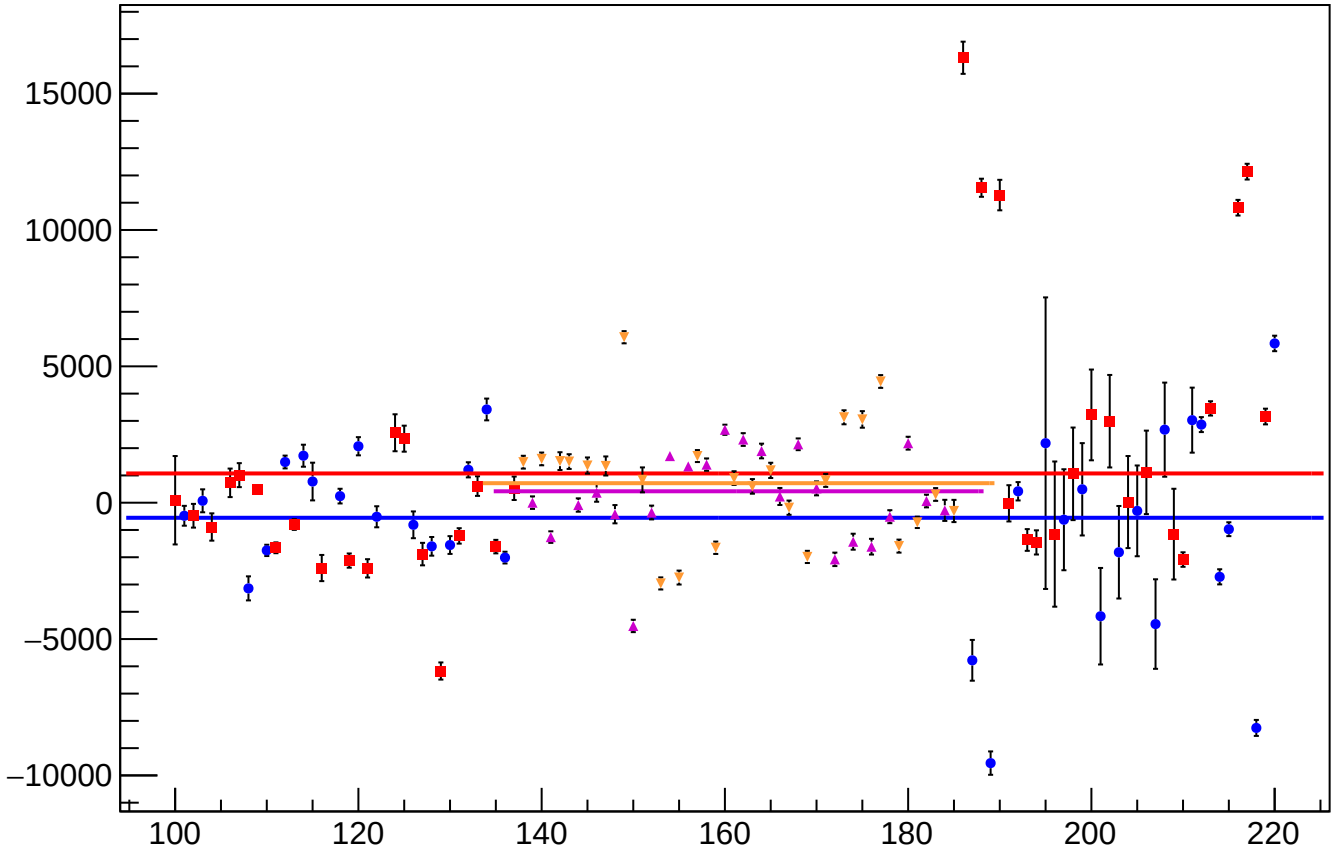
Right: 220.412+/-0.030 χ^2/NDF: 27381984.8/69

In: 209.108+/-0.027 χ^2/NDF:15061364.8/55

Out: 212.863+/-0.026 χ^2/NDF:14487705.5/61

All: 211.016+/-0.019 χ^2/NDF: 29559012.9/11

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -552.918+/-63.855 χ^2/NDF: 2392.0/32

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 1072.718+/-58.938 χ^2/NDF: 6378.6/36

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

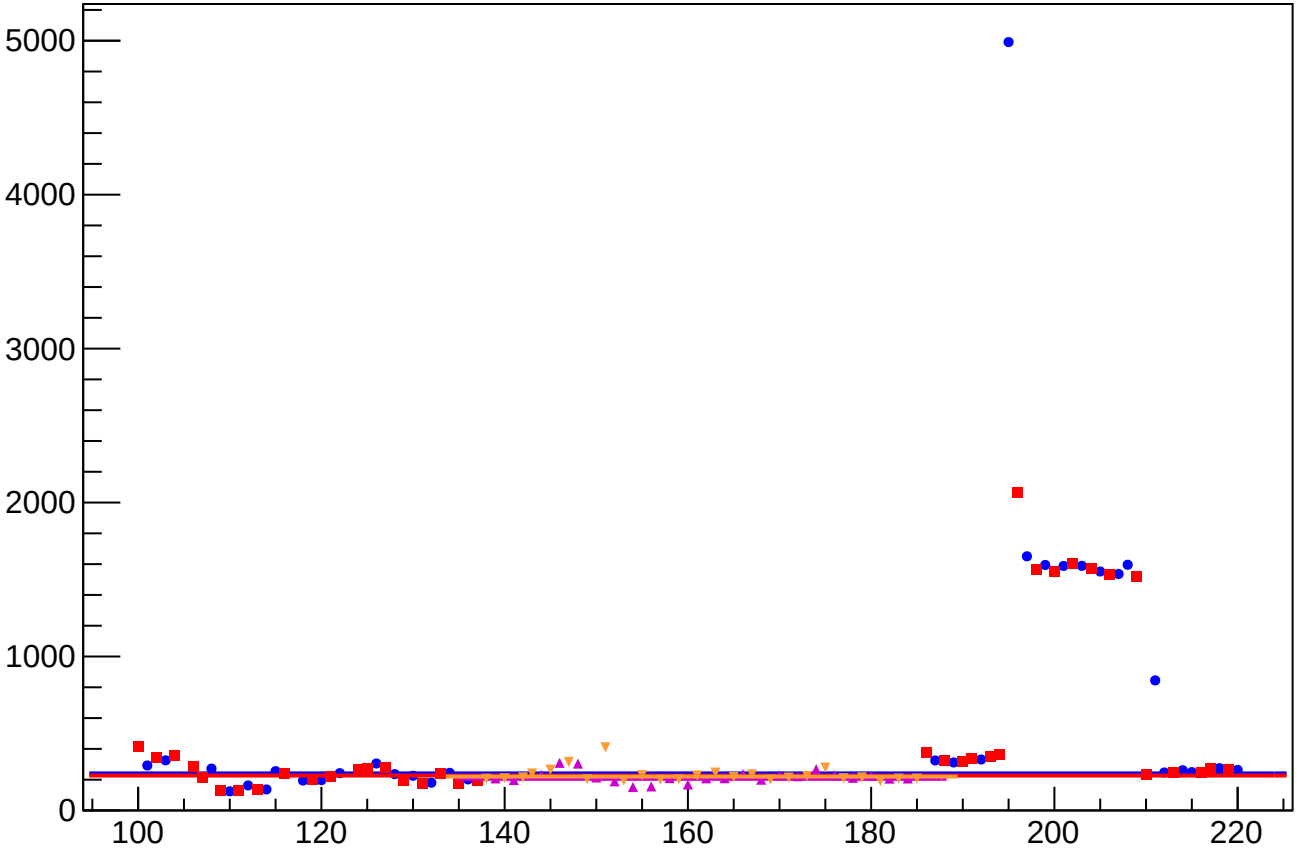
Right: 324.896+/-43.310 χ^2/NDF: 9120.6/69

In: 53.700+/-39.133 χ^2/NDF:3777.5/55

Out: 868.909+/-38.613 χ^2/NDF:8317.6/61

All: 466.758+/-27.486 χ^2/NDF: 12315.0/117

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 240.743+/-0.045 χ^2/NDF: 12364251.5/32

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 226.756+/-0.042 χ^2/NDF: 11718185.6/36

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

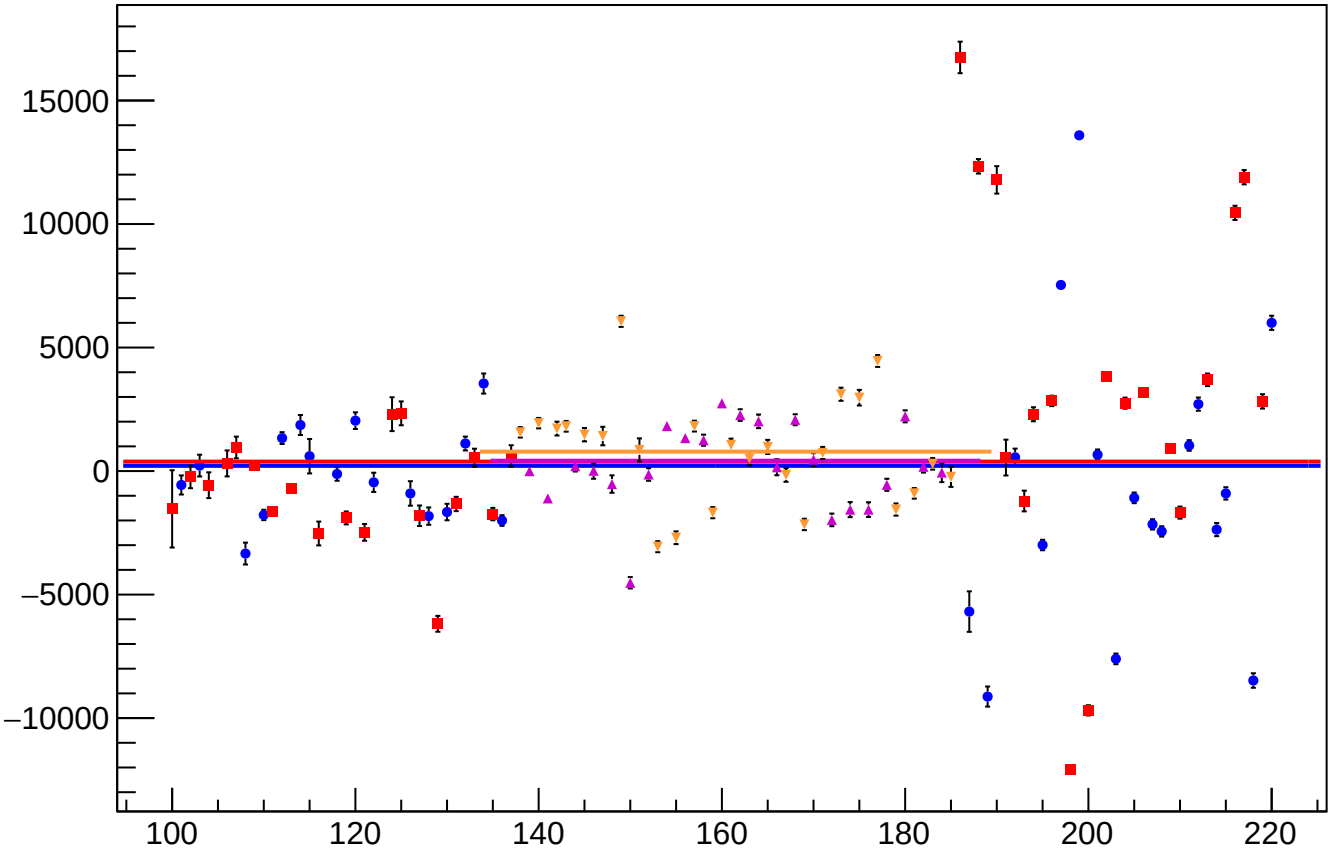
Right: 233.190+/-0.031 χ^2/NDF: 24134253.7/69

In: 218.725+/-0.028 χ^2/NDF:13759024.7/55

Out: 222.982+/-0.027 χ^2/NDF:12532246.1/61

All: 220.882+/-0.019 χ^2/NDF: 26303265.4/1

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 212.025+/-47.341 χ^2/NDF: 10607.2/32

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 382.623+/-46.831 χ^2/NDF: 13664.0/36

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

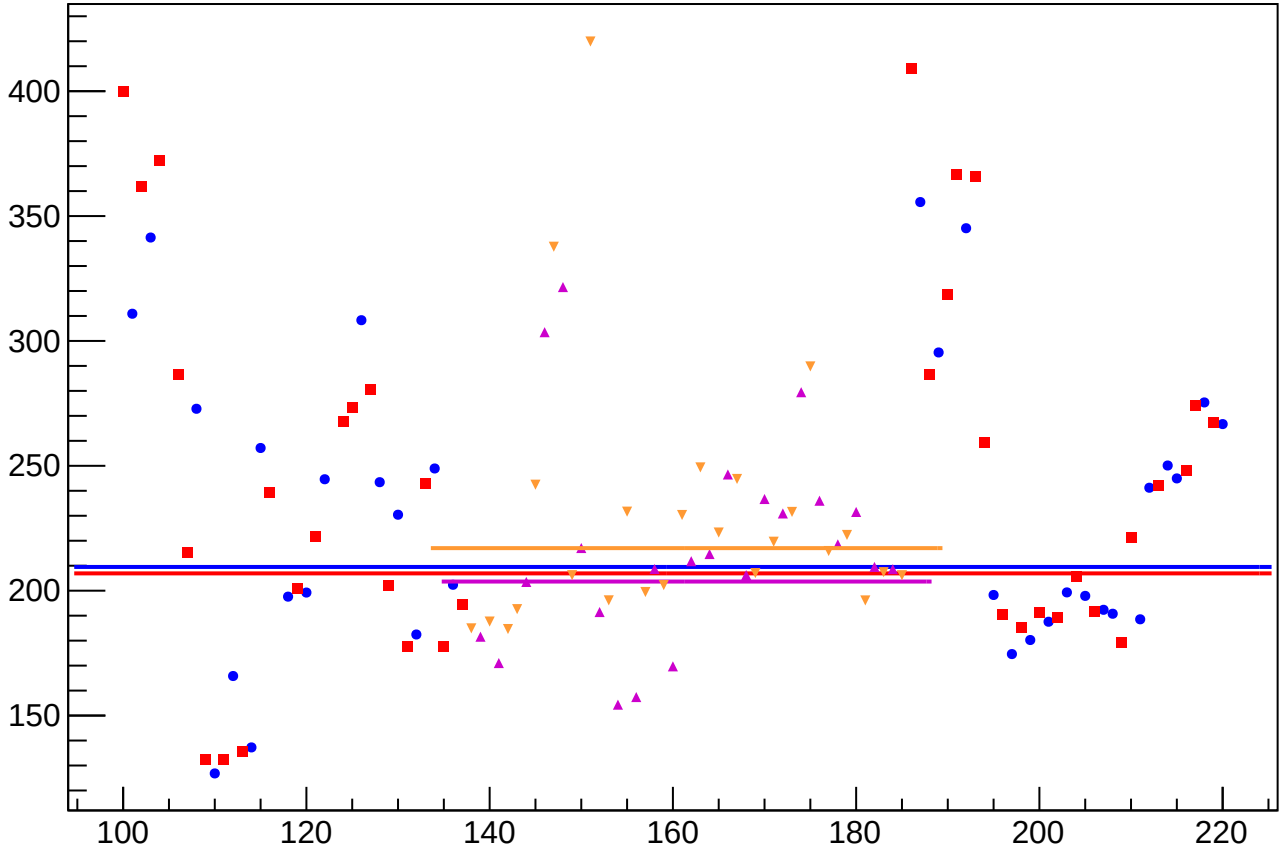
Right: 298.249+/-33.293 χ^2/NDF: 24277.8/69

In: 311.546+/-34.097 χ^2/NDF:11827.4/55

Out: 569.457+/-34.346 χ^2/NDF:15636.0/61

All: 439.565+/-24.198 χ^2/NDF: 27491.8/117

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 209.505+/-0.033 χ^2/NDF: 1910844.8/32

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 206.928+/-0.033 χ^2/NDF: 2822622.0/36

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

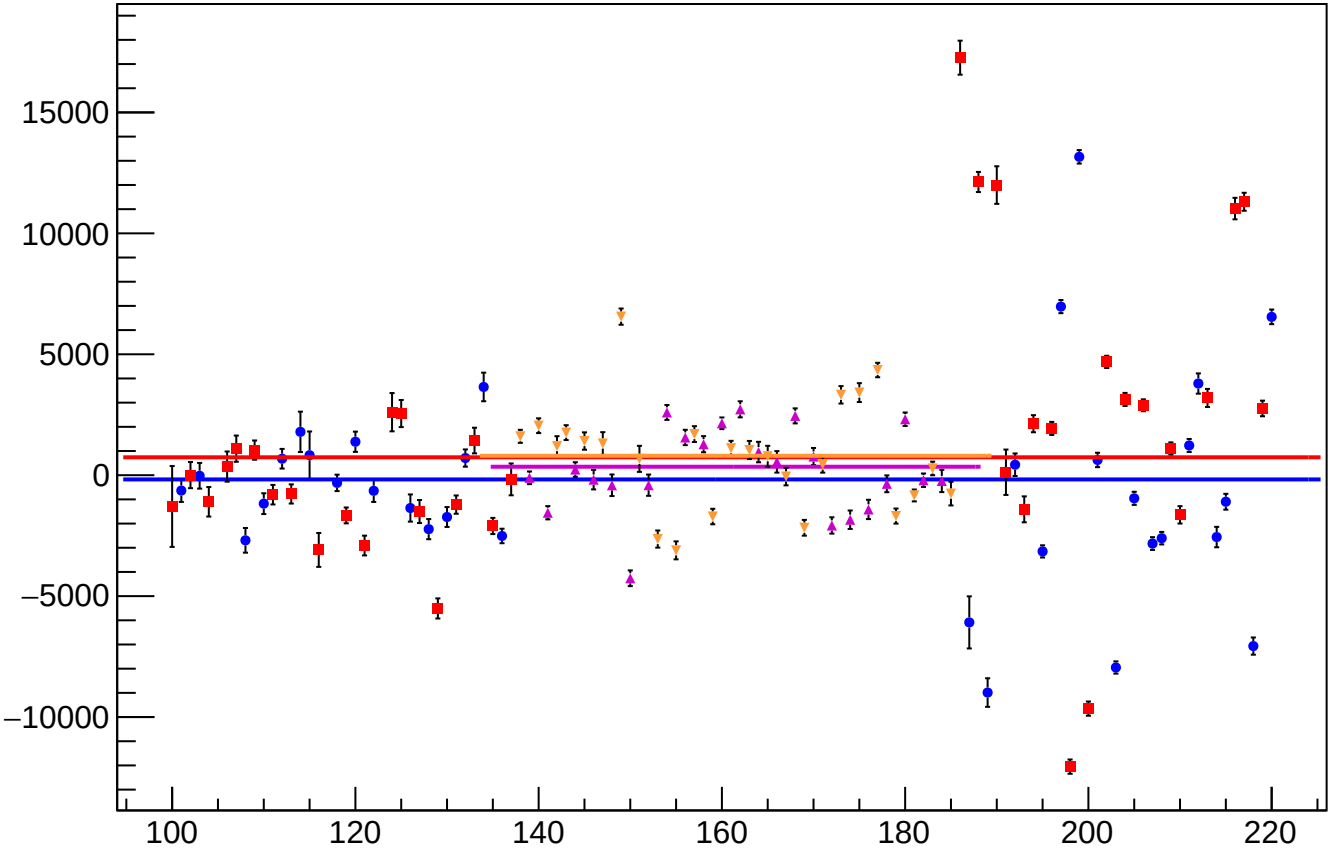
Right: 208.202+/-0.024 χ^2/NDF: 4736461.3/69

In: 206.692+/-0.024 χ^2/NDF:3090849.1/55

Out: 211.601+/-0.024 χ^2/NDF:3848885.3/61

All: 209.129+/-0.017 χ^2/NDF: 6960310.8/117

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -174.870+/-62.608 χ^2/NDF: 5750.9/32

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 740.008+/-64.284 χ^2/NDF: 7118.9/36

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

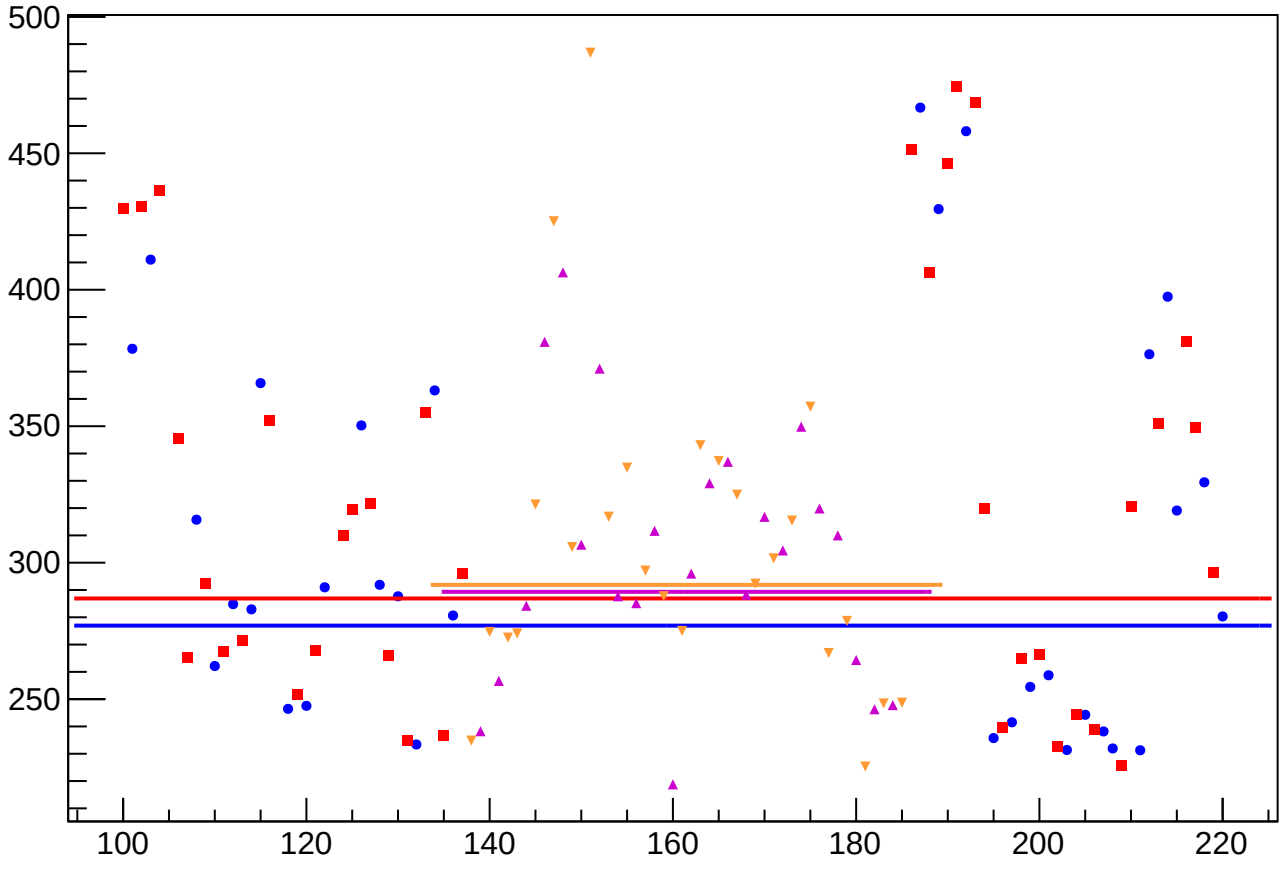
Right: 270.492+/-44.851 χ^2/NDF: 12973.7/69

In: 62.235+/-46.362 χ^2/NDF:6438.8/55

Out: 770.234+/-46.614 χ^2/NDF:8177.0/61

All: 414.312+/-32.871 χ^2/NDF: 14731.8/117

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 276.945+/-0.044 χ^2/NDF: 1603608.2/32

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.888+/-0.045 χ^2/NDF: 1811983.5/36

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

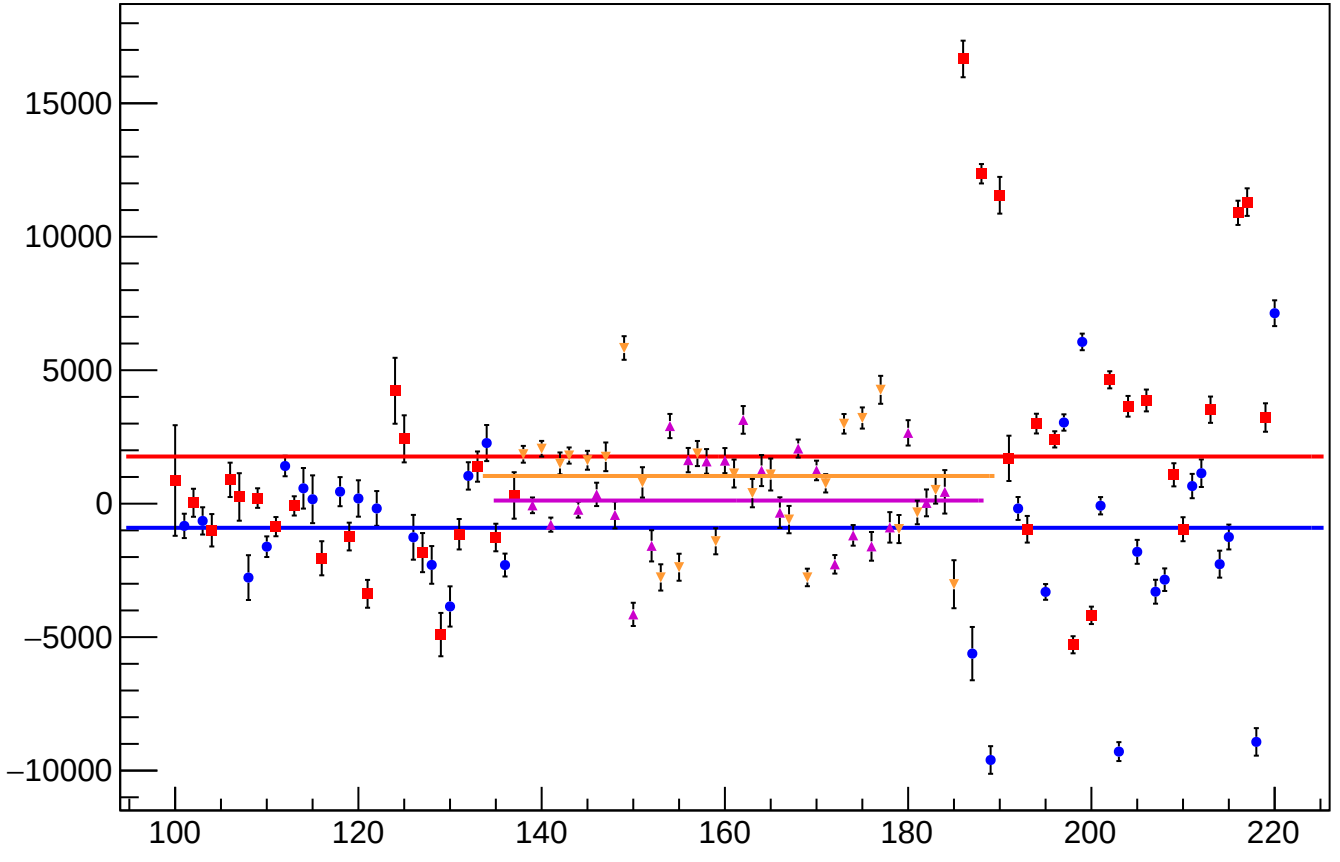
Right: 281.785+/-0.032 χ^2/NDF: 3440150.4/69

In: 282.534+/-0.033 χ^2/NDF:2447512.2/55

Out: 289.256+/-0.033 χ^2/NDF:2777626.8/61

All: 285.877+/-0.023 χ^2/NDF: 5246046.5/117

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -904.449+/-81.166 χ^2/NDF: 2342.9/32

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1766.574+/-78.349 χ^2/NDF: 3782.5/36

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

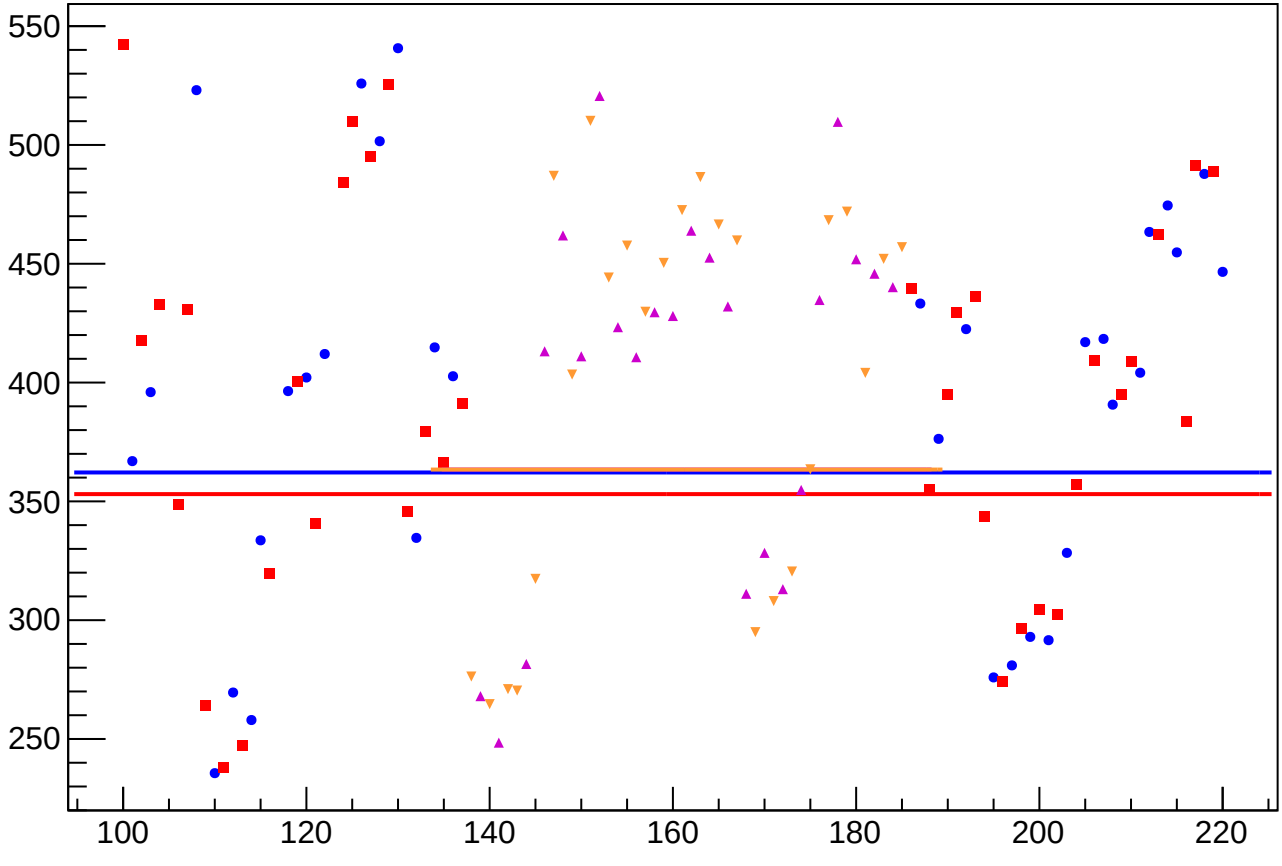
Right: 478.223+/-56.370 χ^2/NDF: 6686.1/69

In: -431.707+/-59.494 χ^2/NDF:2786.6/55

Out: 1432.449+/-57.671 χ^2/NDF:4392.4/61

All: 529.369+/-41.409 χ^2/NDF: 7685.2/117

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 362.164+/-0.057 χ^2/NDF: 1877797.1/32

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 353.055+/-0.055 χ^2/NDF: 1747123.6/36

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

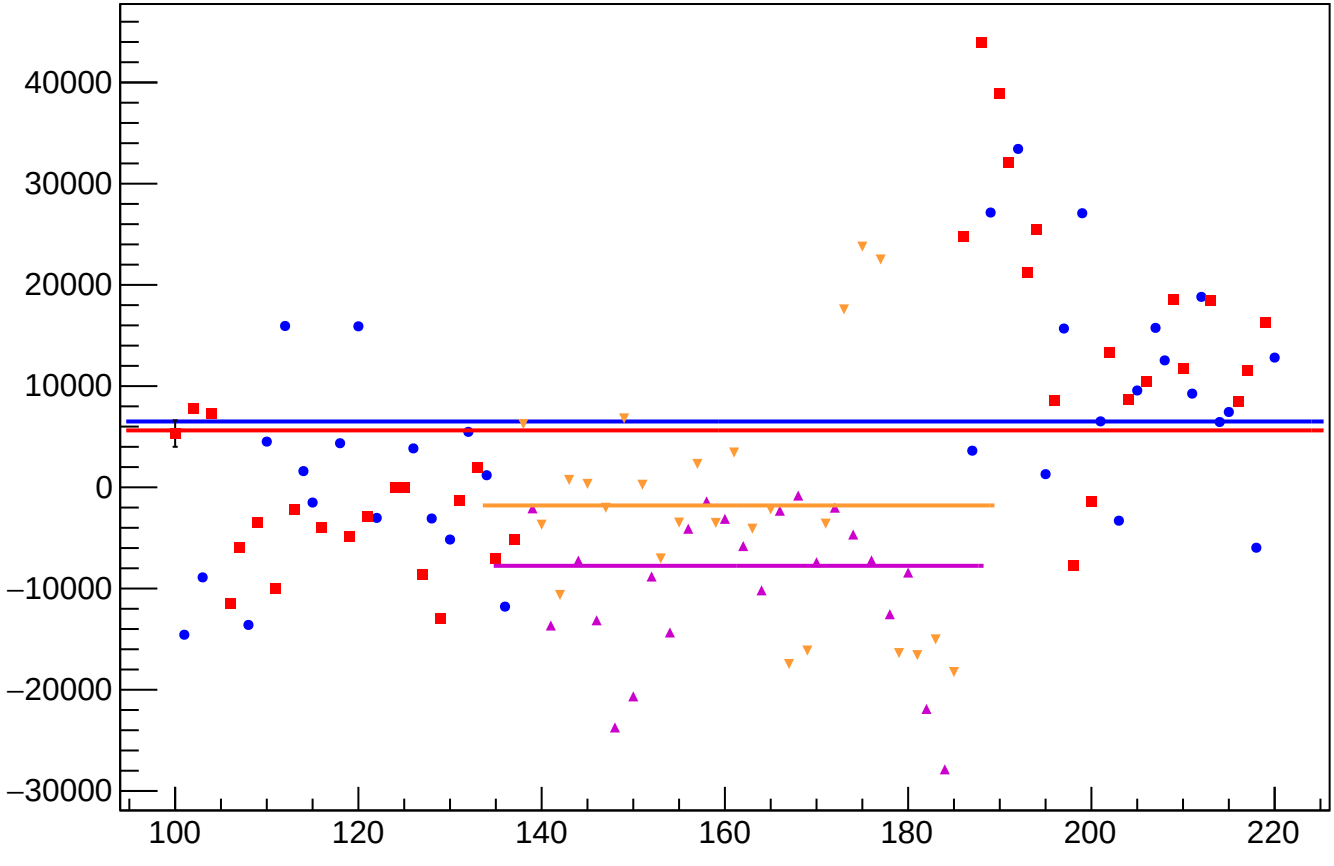
Right: 357.448+/-0.040 χ^2/NDF: 3637961.0/69

In: 362.730+/-0.042 χ^2/NDF:3589606.2/55

Out: 357.789+/-0.041 χ^2/NDF:3703557.8/61

All: 360.182+/-0.029 χ^2/NDF: 7300275.3/117

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6505.140+/-37.568 χ^2/NDF: 99854.7/32

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 5625.025+/-36.486 χ^2/NDF: 149627.3/36

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

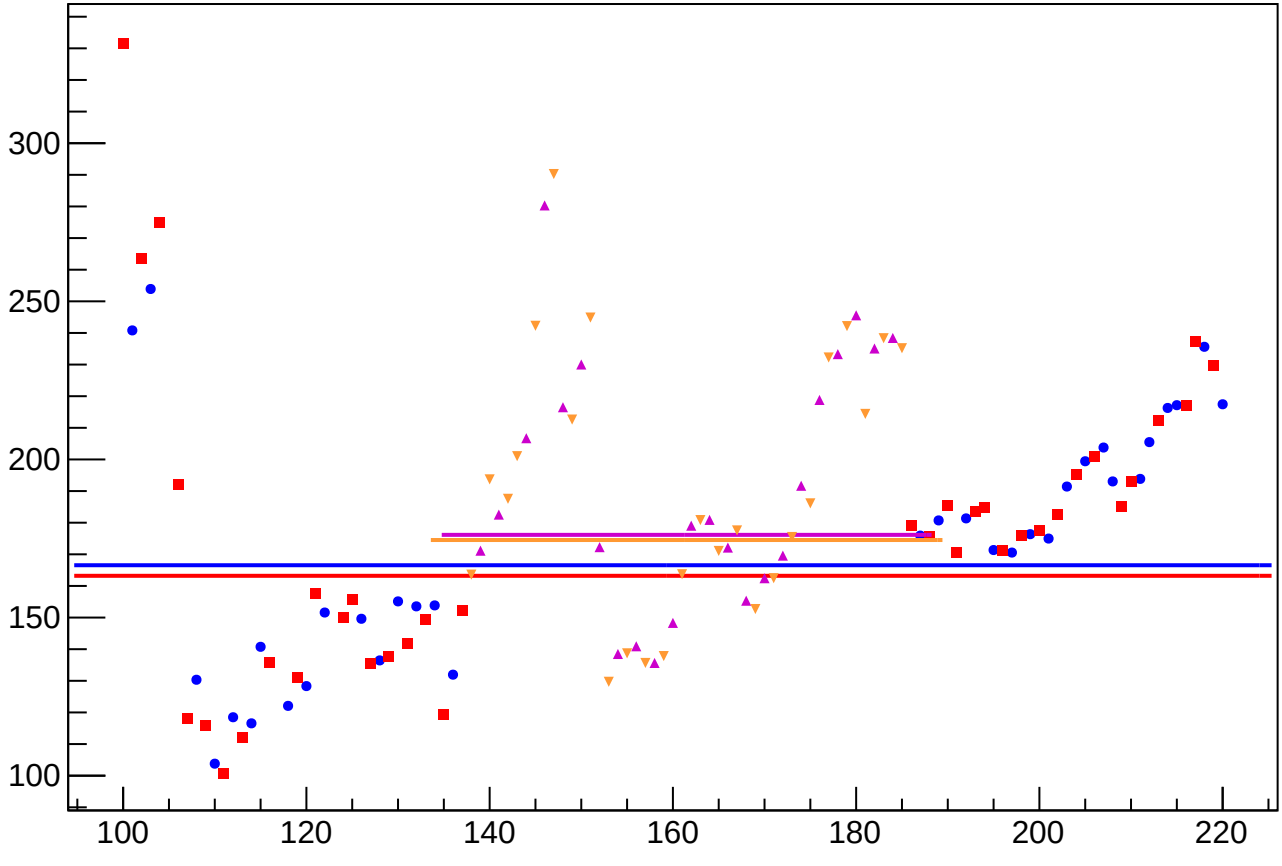
Right: 6052.225+/-26.173 χ^2/NDF: 249764.4/69

In: 262.147+/-28.168 χ^2/NDF:186209.3/55

Out: 2339.882+/-27.230 χ^2/NDF:233672.6/61

All: 1336.202+/-19.578 χ^2/NDF: 422694.5/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 166.549+/-0.027 χ^2/NDF: 1914541.1/32

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

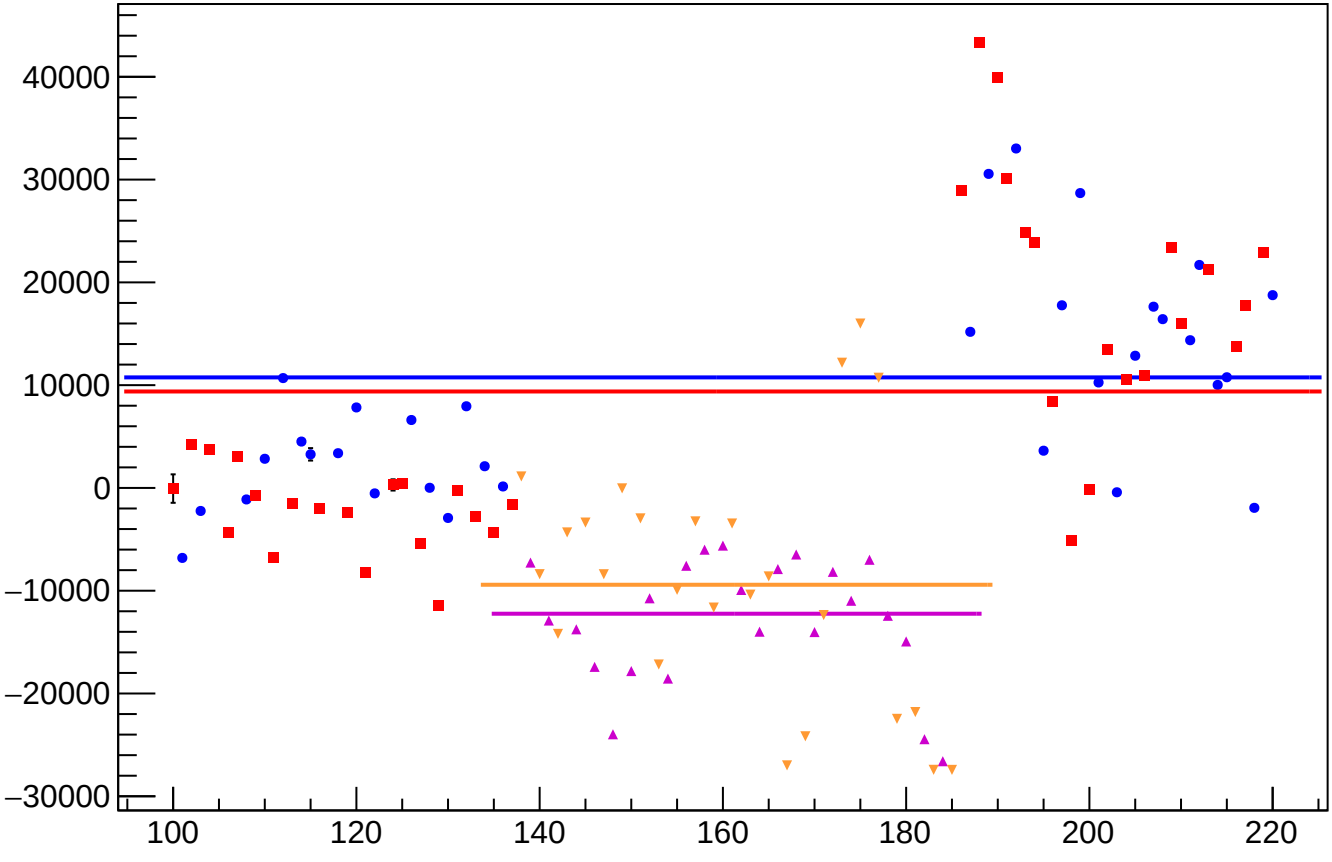
Right: 164.829+/-0.019 χ^2/NDF: 4184647.6/69

In: 170.755+/-0.020 χ^2/NDF:3338838.5/55

Out: 168.219+/-0.019 χ^2/NDF:4006629.7/61

All: 169.444+/-0.014 χ^2/NDF: 7353848.1/117

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10755.373+/-40.816 χ^2/NDF: 60448.7/32

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 9384.487+/-39.797 χ^2/NDF: 122918.9/36

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

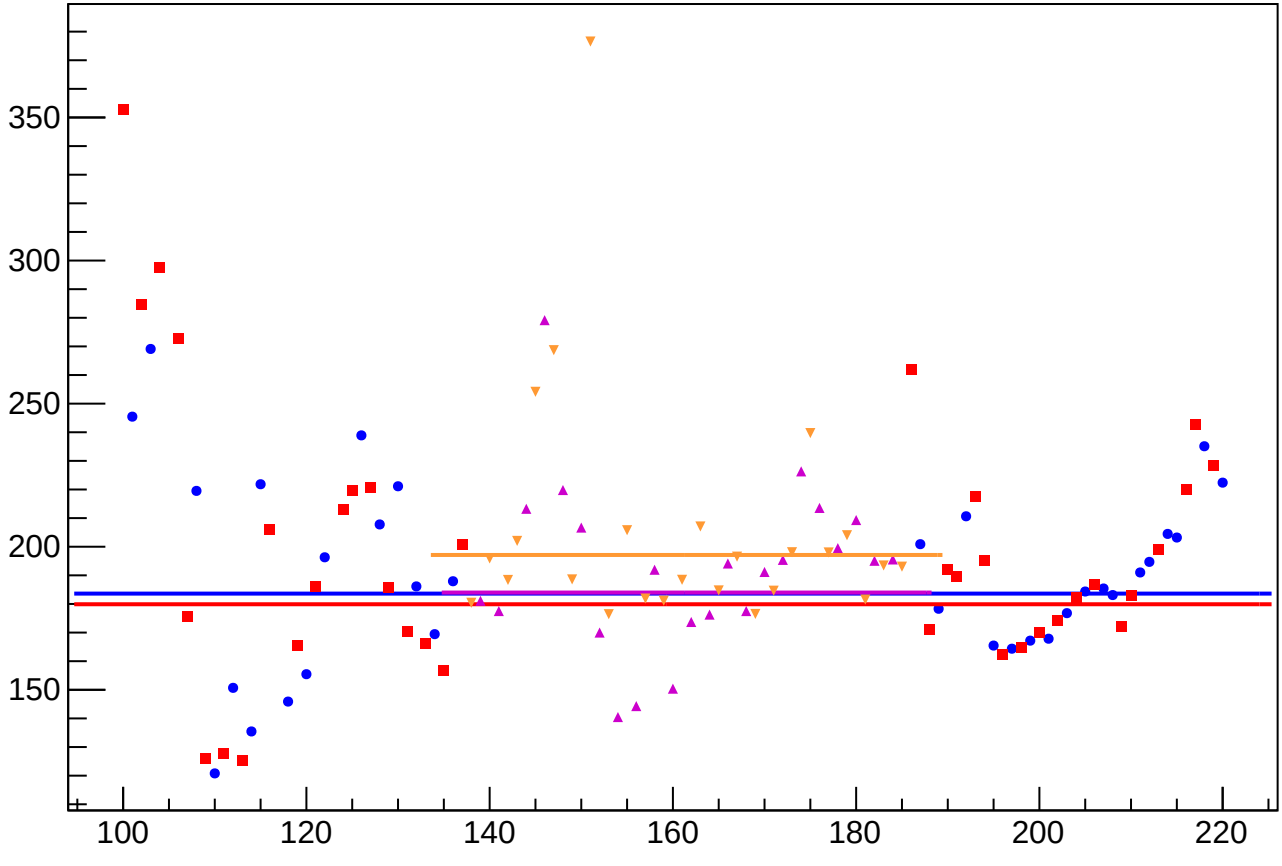
Right: 10052.608+/-28.494 χ^2/NDF: 183945.8/69

In: 170.860+/-29.985 χ^2/NDF:222555.7/55

Out: 1273.843+/-30.012 χ^2/NDF:283935.2/61

All: 721.856+/-21.212 χ^2/NDF: 507166.9/117

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 183.618+/-0.029 χ^2/NDF: 978249.9/32

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

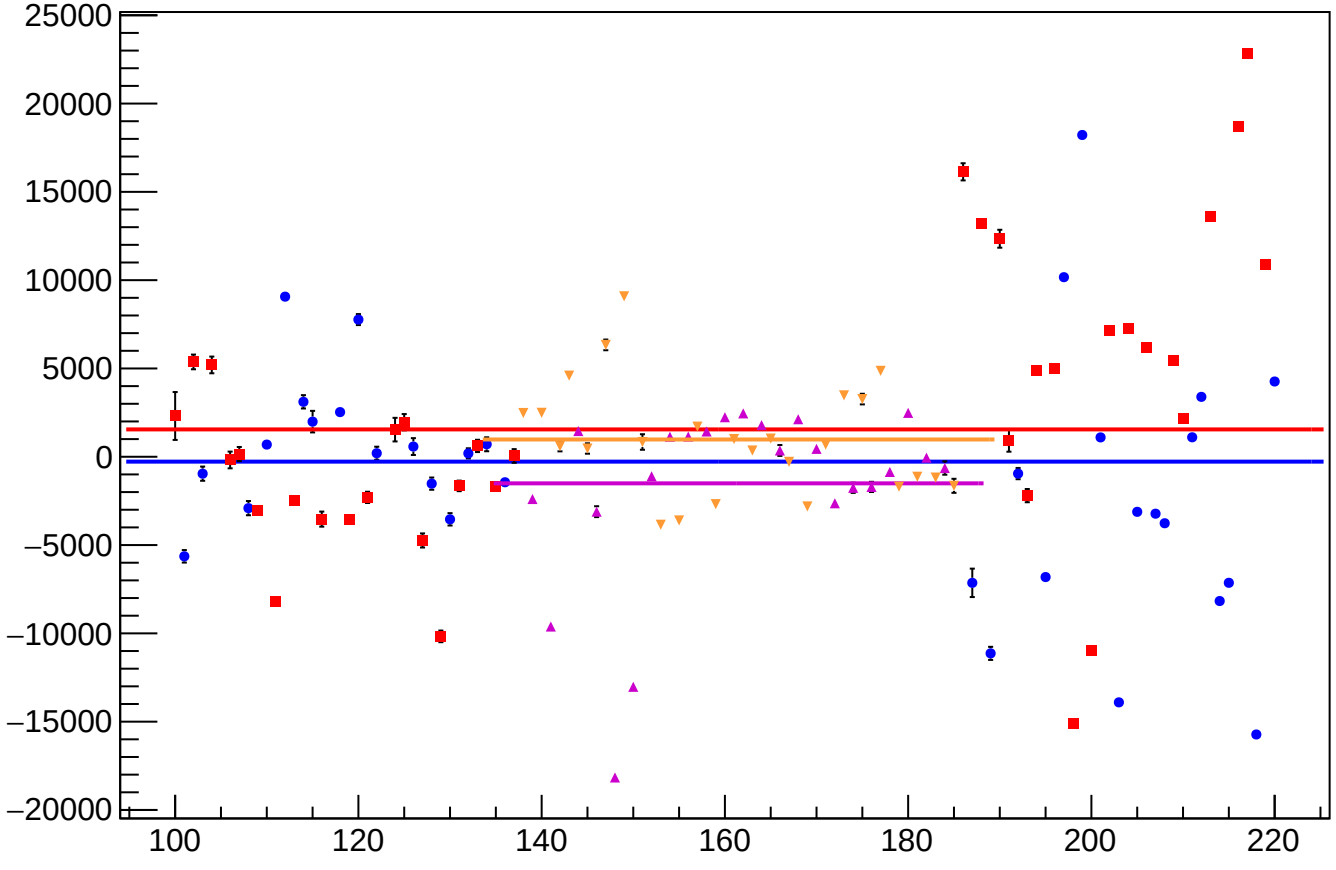
Right: 181.711+/-0.020 χ^2/NDF: 2483943.7/69

In: 183.787+/-0.021 χ^2/NDF:1808102.6/55

Out: 187.327+/-0.021 χ^2/NDF:2391302.7/61

All: 185.555+/-0.015 χ^2/NDF: 4213326.1/117

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: -275.607+/-45.755 χ^2/NDF: 27293.0/32

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1549.058+/-44.720 χ^2/NDF: 36556.9/36

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

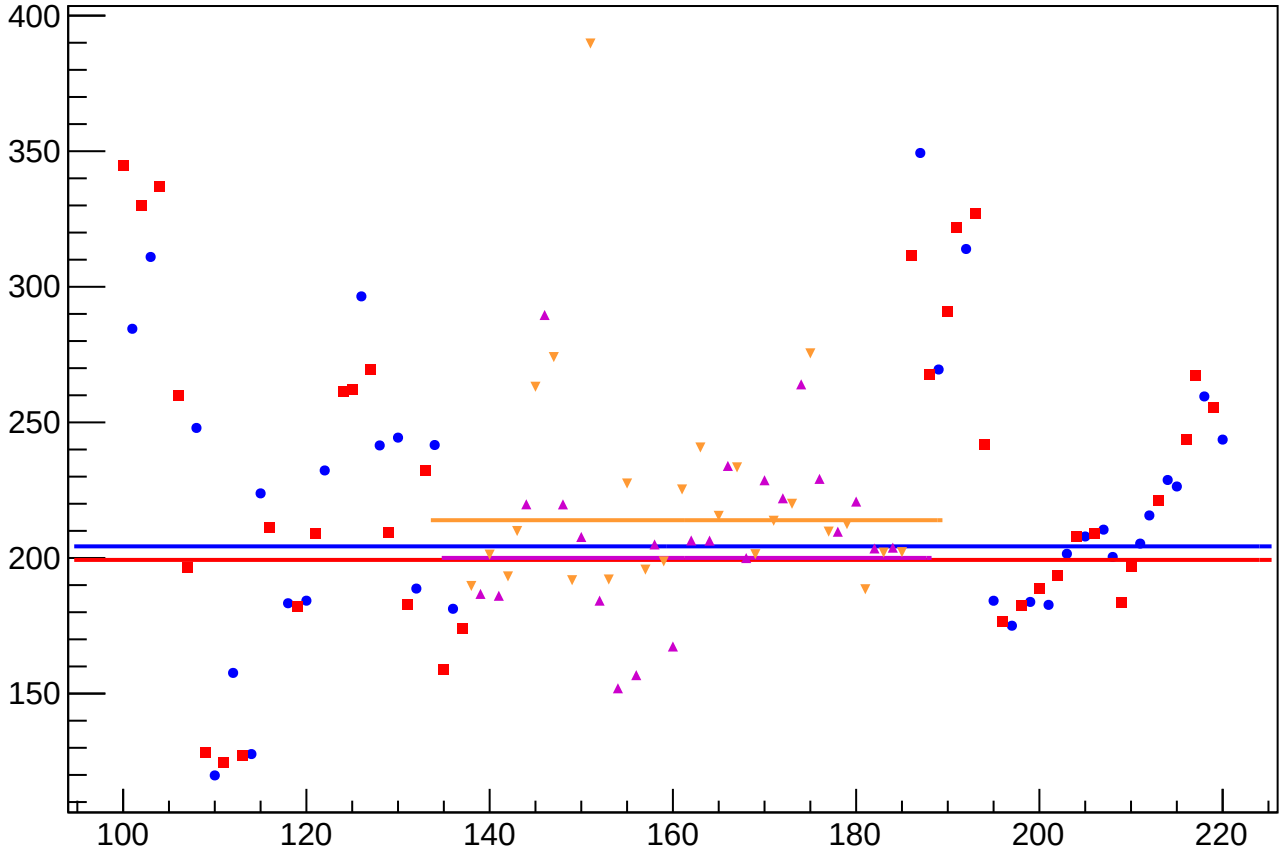
Right: 657.612+/-31.981 χ^2/NDF: 64663.2/69

In: -860.284+/-33.136 χ^2/NDF:39116.9/55

Out: 1293.229+/-33.215 χ^2/NDF:40952.8/61

All: 213.887+/-23.459 χ^2/NDF: 82176.6/117

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 204.287+/-0.032 χ^2/NDF: 1647342.2/32

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

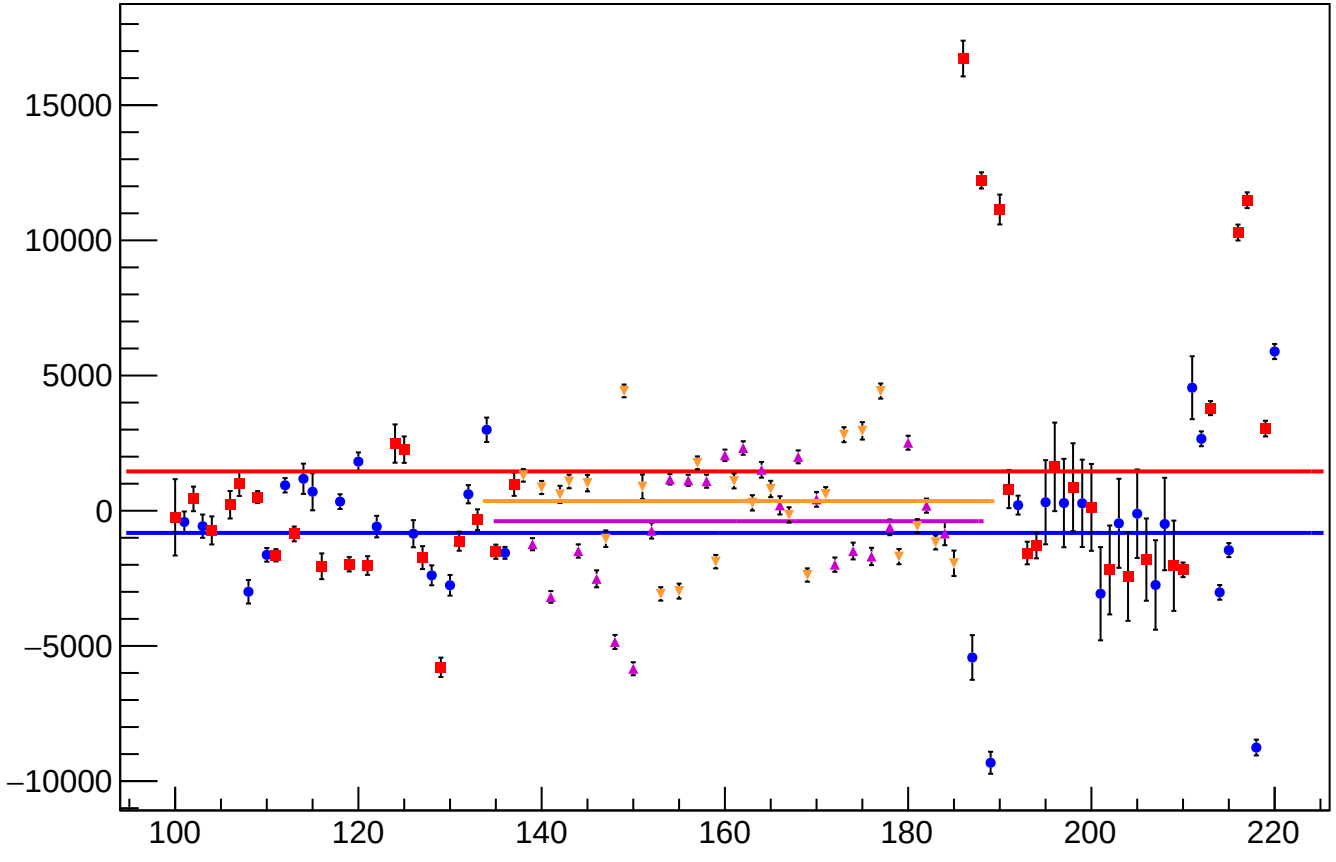
Right: 201.731+/-0.023 χ^2/NDF: 4212066.9/69

In: 202.263+/-0.023 χ^2/NDF:2441097.4/55

Out: 205.854+/-0.023 χ^2/NDF:3382279.4/61

All: 204.054+/-0.017 χ^2/NDF: 5835093.2/117

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -820.139+/-67.668 χ^2/NDF: 2360.9/32

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 1454.435+/-63.496 χ^2/NDF: 5922.8/36

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

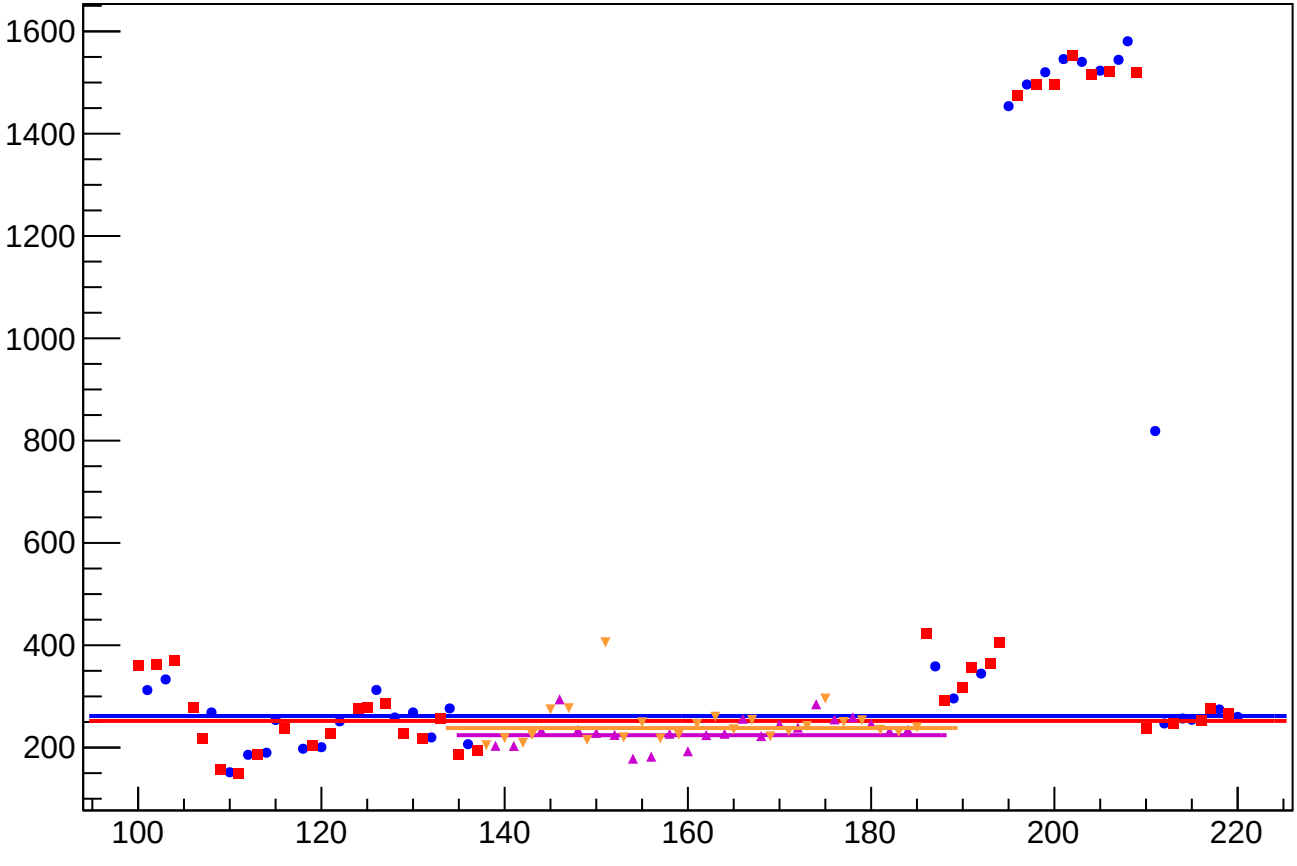
Right: 389.422+/-46.303 χ^2/NDF: 8884.5/69

In: -553.680+/-41.981 χ^2/NDF:4190.3/55

Out: 828.316+/-41.569 χ^2/NDF:7511.8/61

All: 144.140+/-29.538 χ^2/NDF: 12249.3/117

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 261.696+/-0.048 χ^2/NDF: 11065154.4/32

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

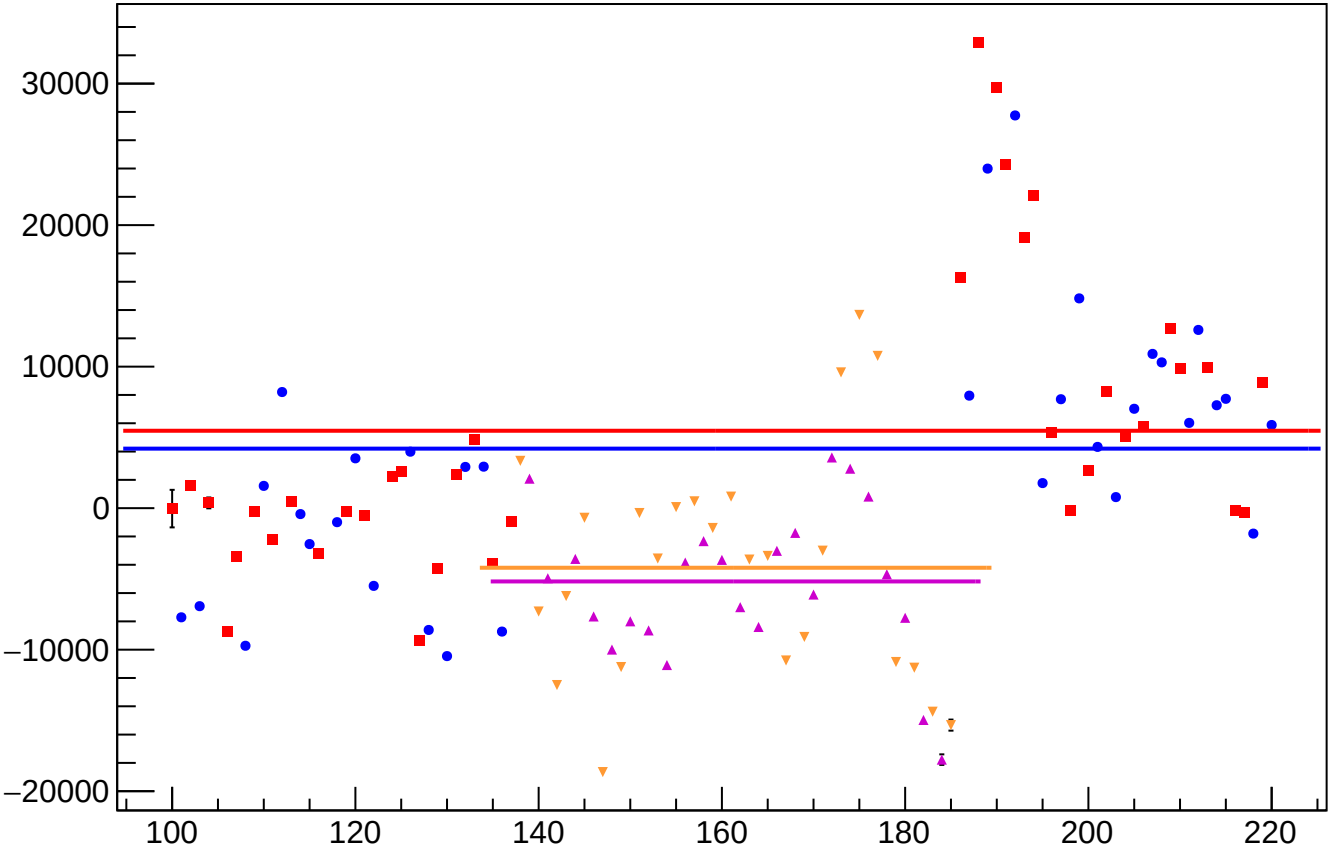
Right: 256.596+/-0.033 χ^2/NDF: 21637497.3/69

In: 238.640+/-0.030 χ^2/NDF:12005873.6/55

Out: 244.159+/-0.029 χ^2/NDF:11173728.0/61

All: 241.427+/-0.021 χ^2/NDF: 23197059.4/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4206.305+/-31.911 χ^2/NDF: 82906.8/32

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5469.697+/-30.831 χ^2/NDF: 107507.6/36

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

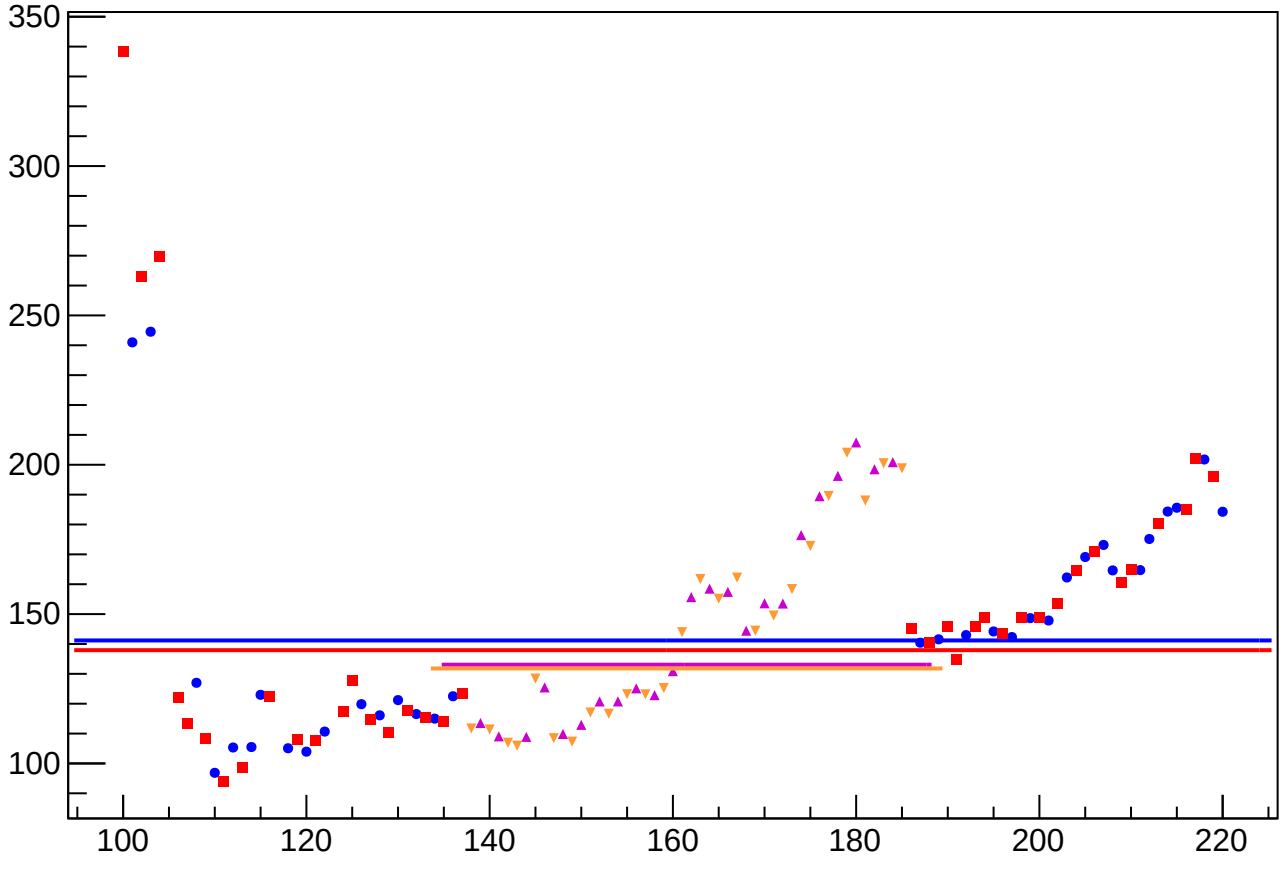
Right: 4859.734+/-22.173 χ^2/NDF: 191225.2/69

In: -477.327+/-22.585 χ^2/NDF:144612.5/55

Out: 629.125+/-21.800 χ^2/NDF:213606.3/61

All: 95.464+/-15.685 χ^2/NDF: 359461.2/117

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 141.180+/-0.023 χ^2/NDF: 1931054.2/32

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

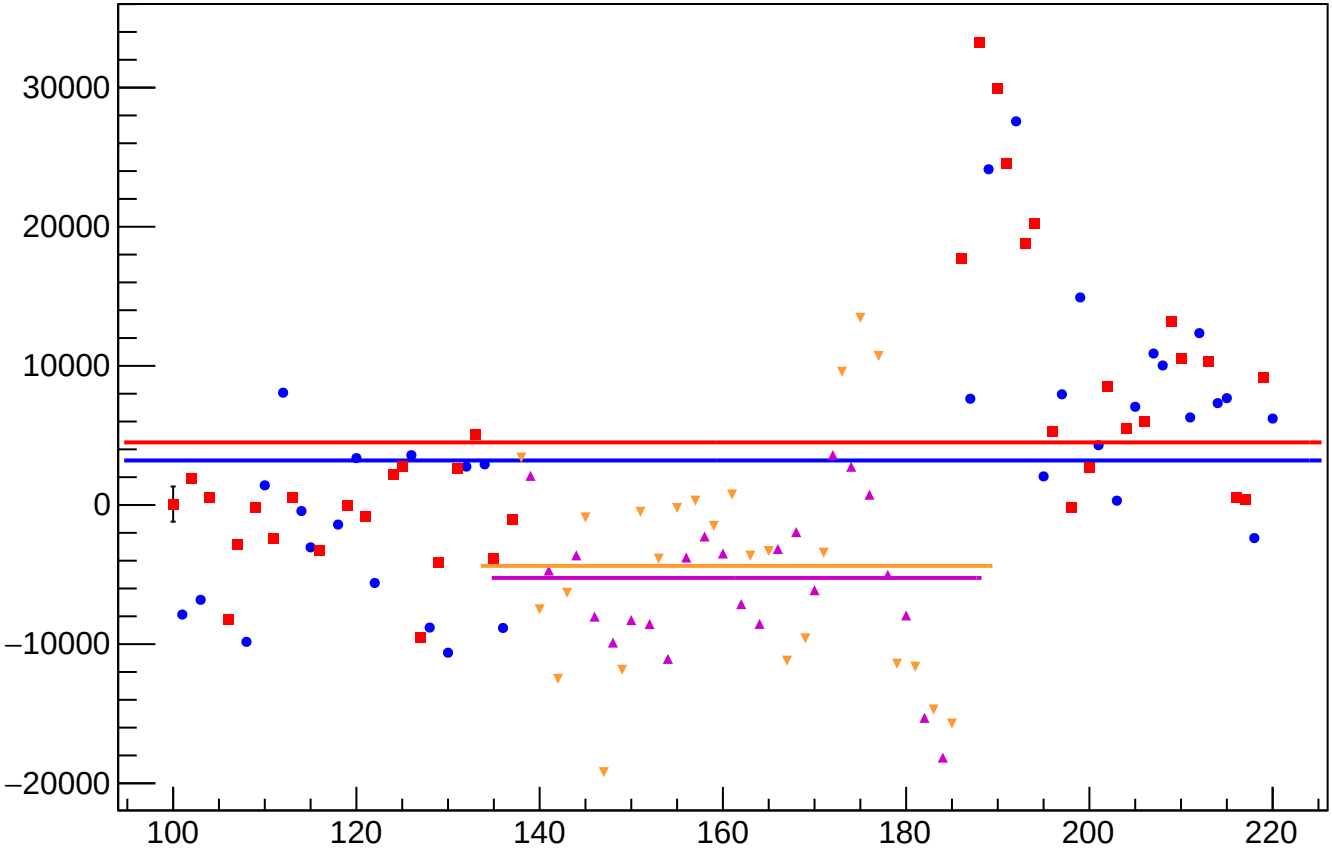
Right: 139.493+/-0.016 χ^2/NDF: 4079179.2/69

In: 137.128+/-0.016 χ^2/NDF:3413920.1/55

Out: 134.858+/-0.015 χ^2/NDF:3721086.6/61

All: 135.953+/-0.011 χ^2/NDF: 7145467.9/117

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 3202.511+/-28.857 χ^2/NDF: 93930.4/32

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 4499.953+/-27.957 χ^2/NDF: 117613.1/36

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

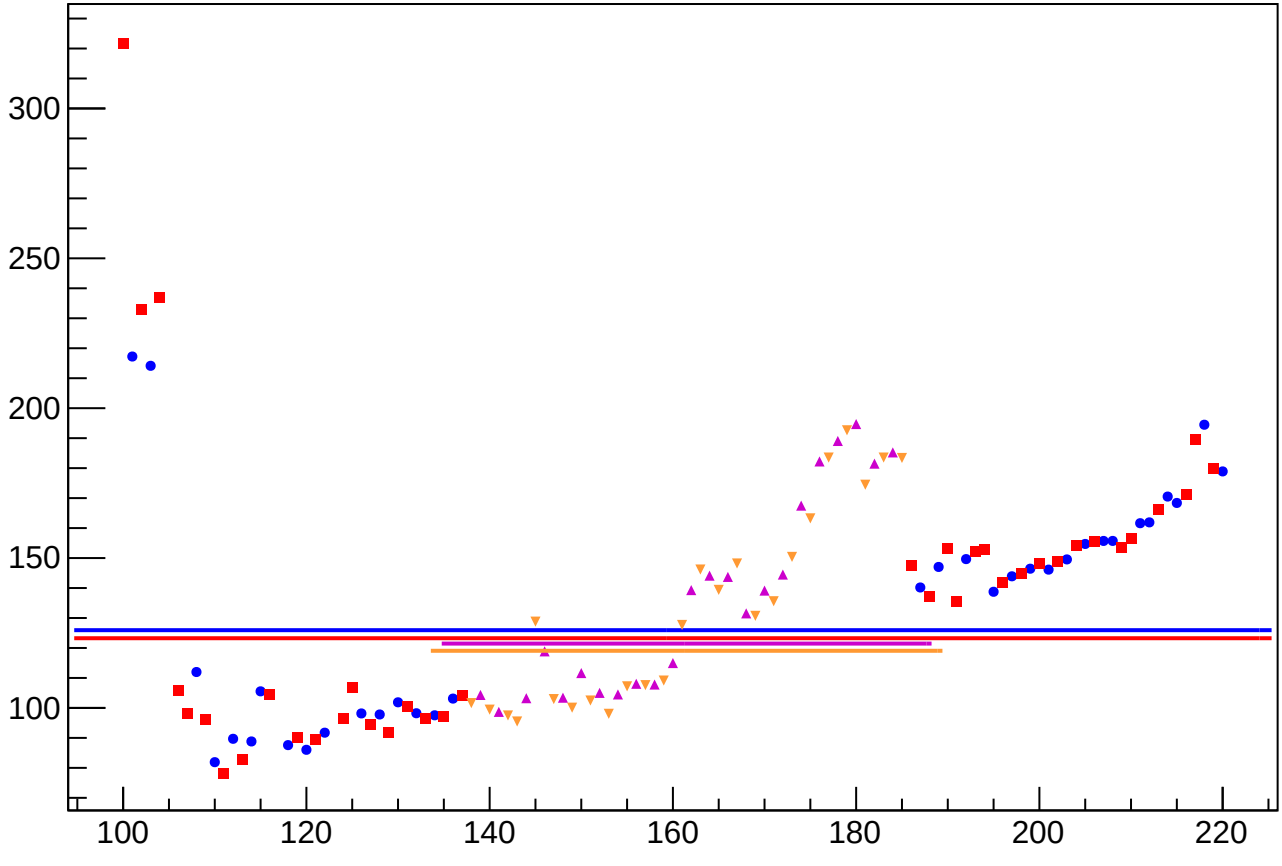
Right: 3871.783+/-20.079 χ^2/NDF: 212586.2/69

In: -961.312+/-20.543 χ^2/NDF:158416.9/55

Out: 63.345+/-19.768 χ^2/NDF:235196.6/61

All: -429.287+/-14.244 χ^2/NDF: 394905.2/11

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 125.940+/-0.020 χ^2/NDF: 2856423.6/32

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 123.252+/-0.020 χ^2/NDF: 3129638.5/36

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

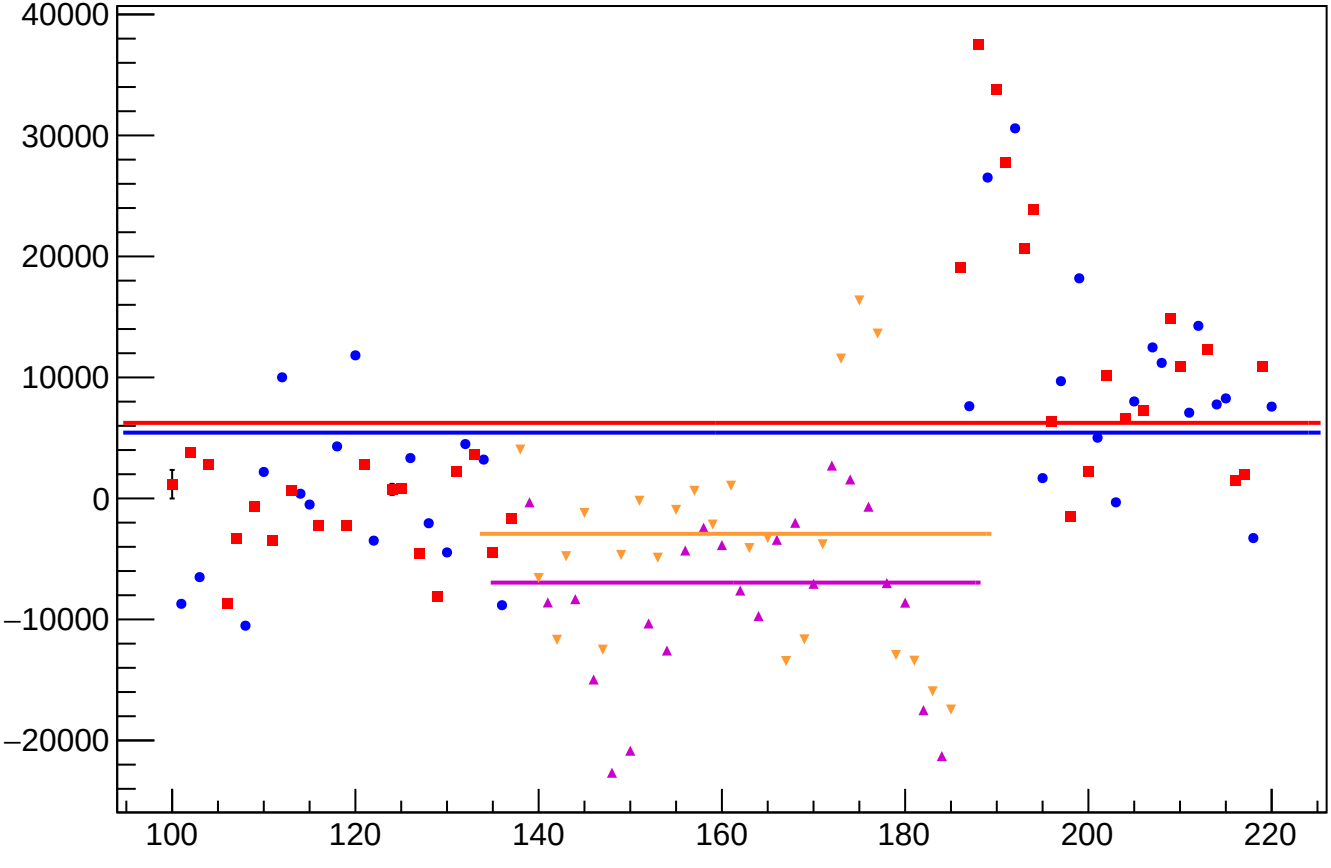
Right: 124.553+/-0.014 χ^2/NDF: 5995012.6/69

In: 123.734+/-0.015 χ^2/NDF:4409492.5/55

Out: 121.158+/-0.014 χ^2/NDF:4907506.0/61

All: 122.397+/-0.010 χ^2/NDF: 9333329.8/117

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 5437.729+/-37.720 χ^2/NDF: 66274.2/32

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 6245.901+/-36.622 χ^2/NDF: 96419.2/36

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

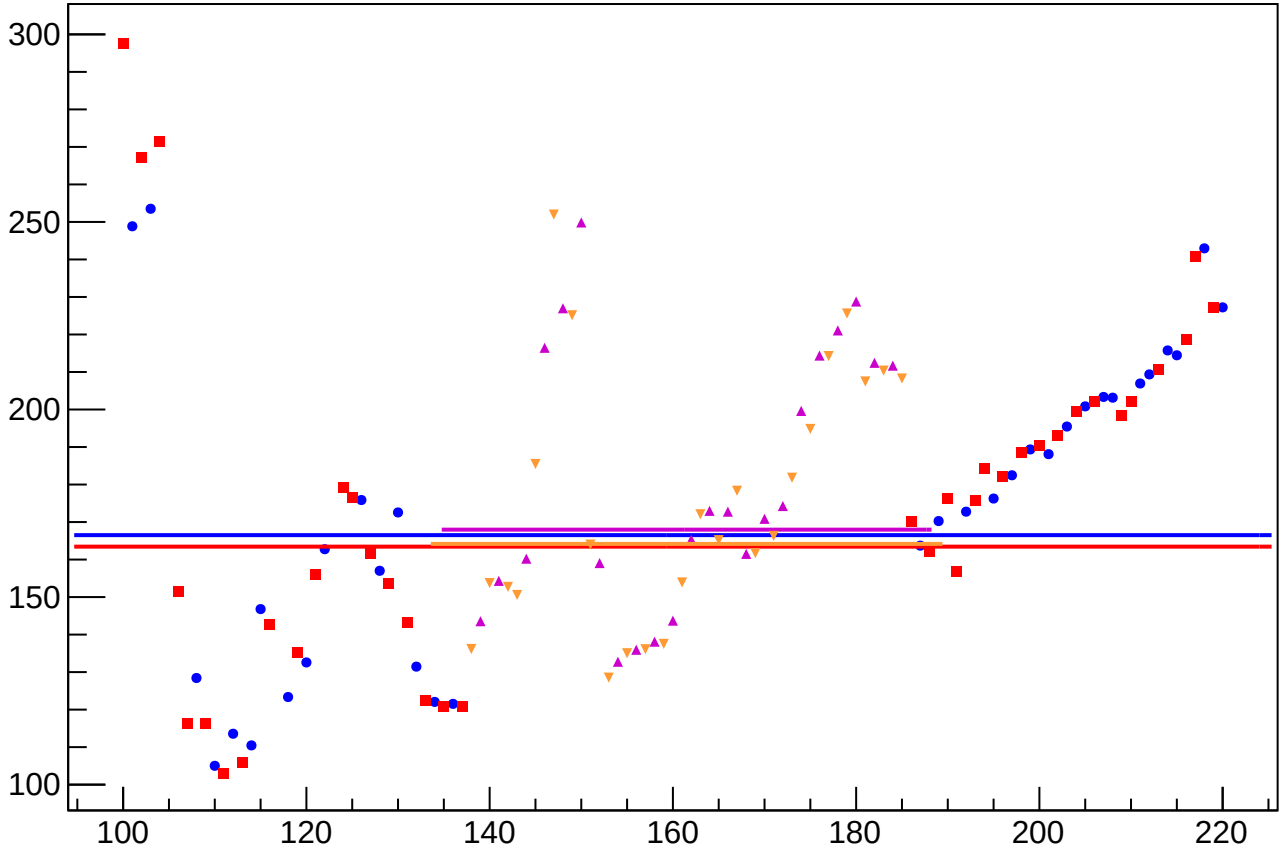
Right: 5853.749+/-26.276 χ^2/NDF: 162929.6/69

In: -358.643+/-27.522 χ^2/NDF:139106.9/55

Out: 1852.857+/-26.431 χ^2/NDF:164504.2/61

All: 791.791+/-19.063 χ^2/NDF: 306970.0/117

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 166.512+/-0.027 χ^2/NDF: 2313648.1/32

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 163.446+/-0.026 χ^2/NDF: 2440322.0/36

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

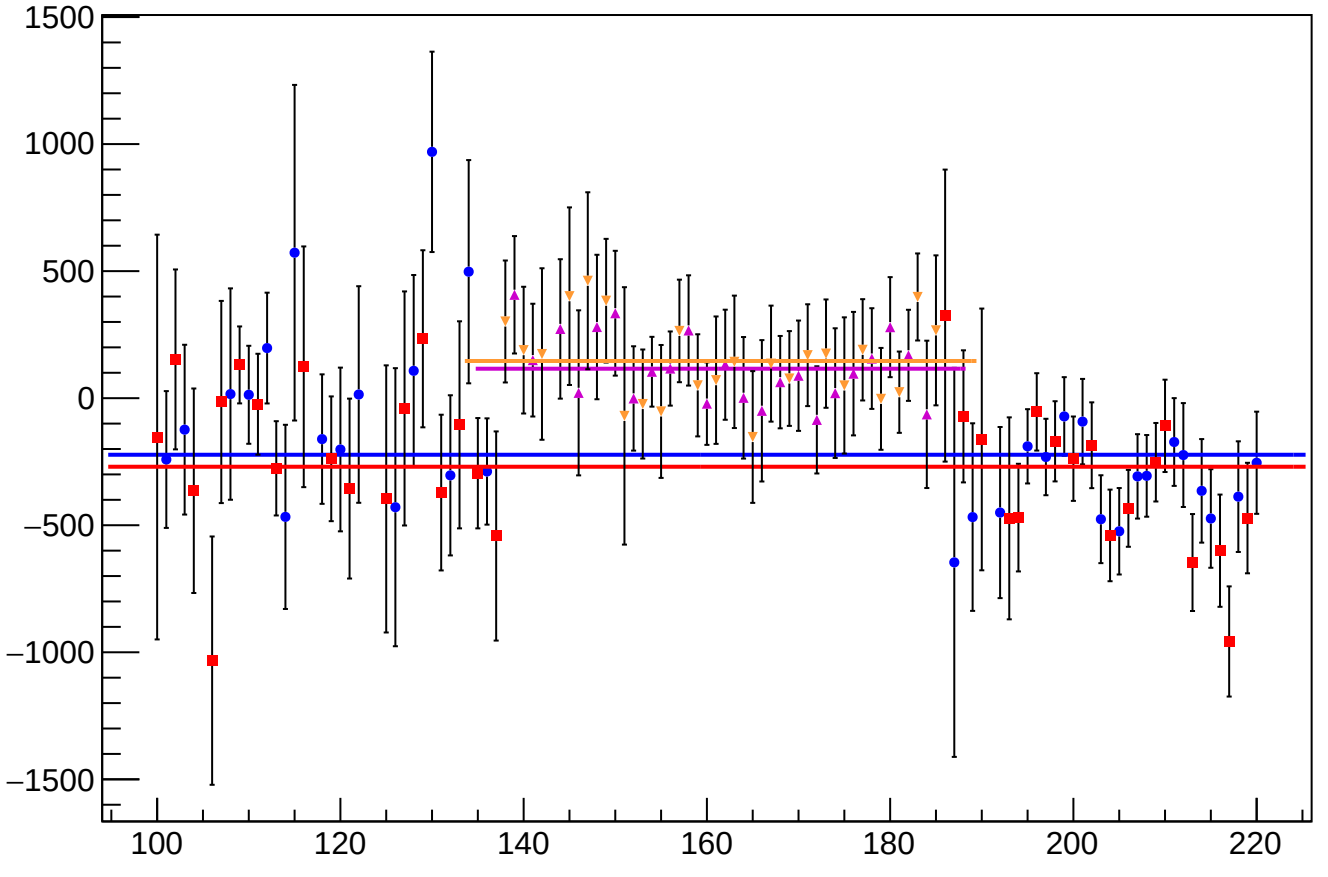
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 164.934+/-0.019 χ^2/NDF: 4760770.3/69

In: 167.196+/-0.019 χ^2/NDF:3537801.5/55

Out: 163.794+/-0.019 χ^2/NDF:3665104.4/61

All: 165.426+/-0.013 χ^2/NDF: 7218803.6/117



Right In: -222.632+/-39.076 χ^2/NDF: 32.3/32

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -269.803+/-39.055 χ^2/NDF: 43.6/34

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

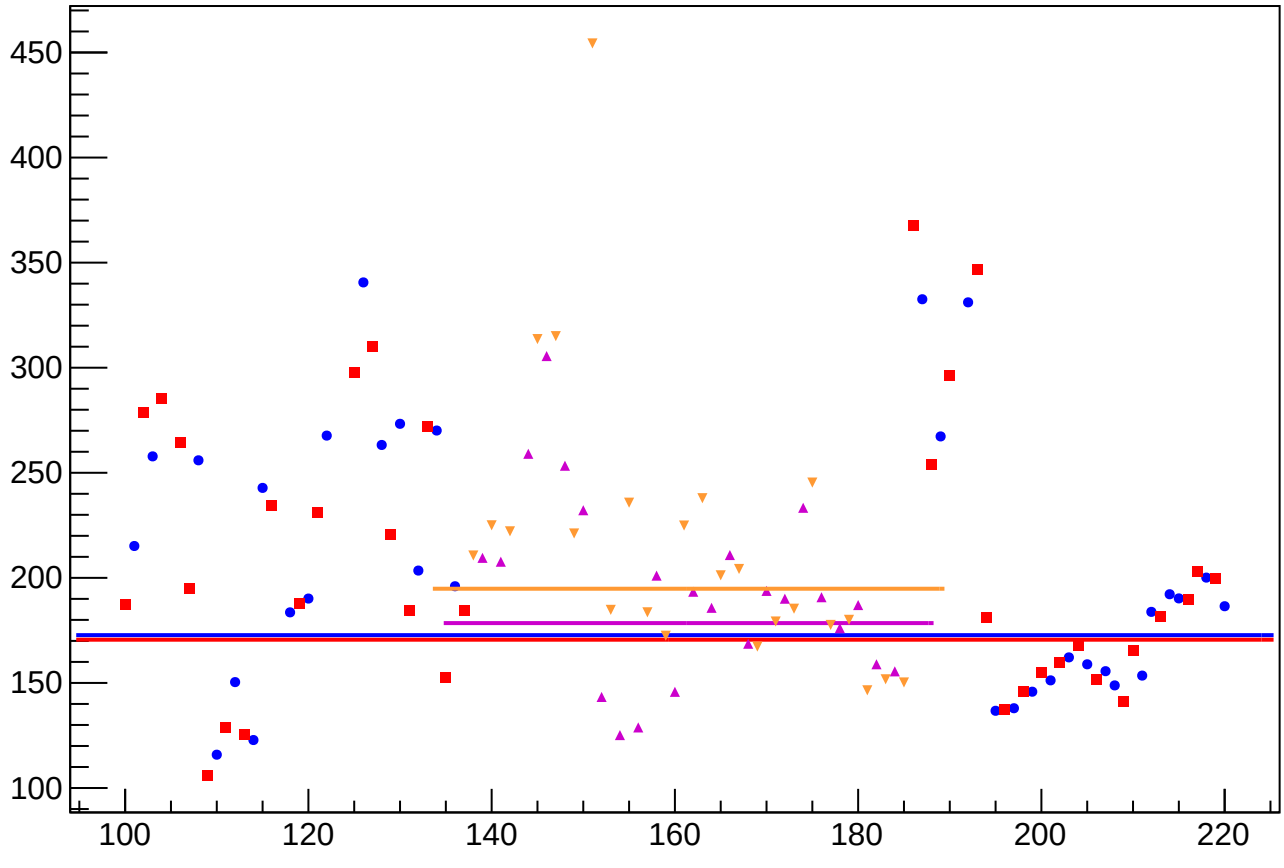
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -246.230+/-27.624 χ^2/NDF: 76.6/67

In: -71.818+/-29.101 χ^2/NDF:73.3/55

Out: -99.515+/-30.020 χ^2/NDF:100.0/58

All: -85.236+/-20.895 χ^2/NDF: 173.8/114



Right In: 172.741+/-0.028 χ^2/NDF: 2374190.2/32

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 170.576+/-0.028 χ^2/NDF: 2929160.8/34

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

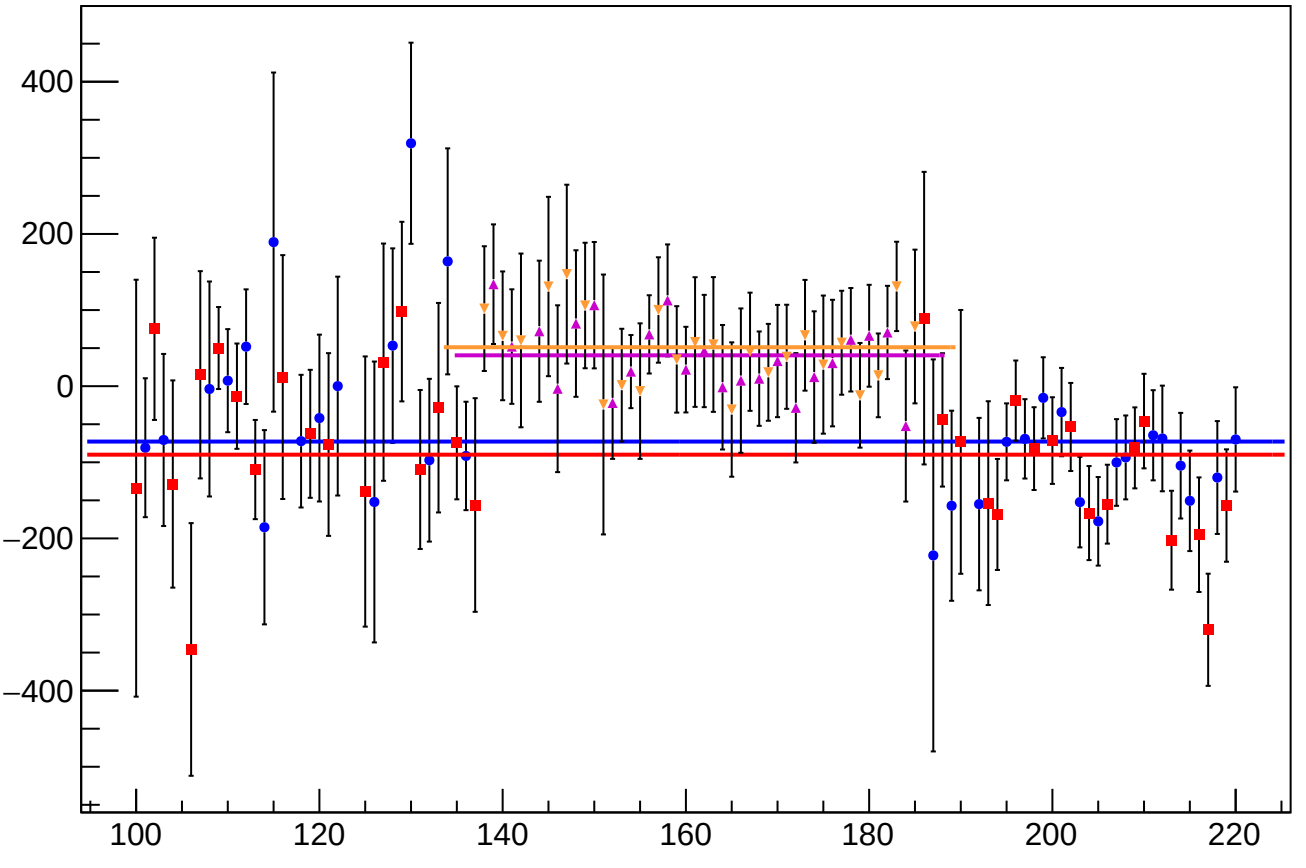
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 171.658+/-0.020 χ^2/NDF: 5306423.3/67

In: 175.295+/-0.021 χ^2/NDF:4069639.3/55

Out: 180.500+/-0.021 χ^2/NDF:4997220.1/58

All: 177.817+/-0.015 χ^2/NDF: 9097852.4/114



Right In: -72.759+/-13.398 χ^2/NDF: 29.9/32

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -89.989+/-13.416 χ^2/NDF: 41.4/34

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

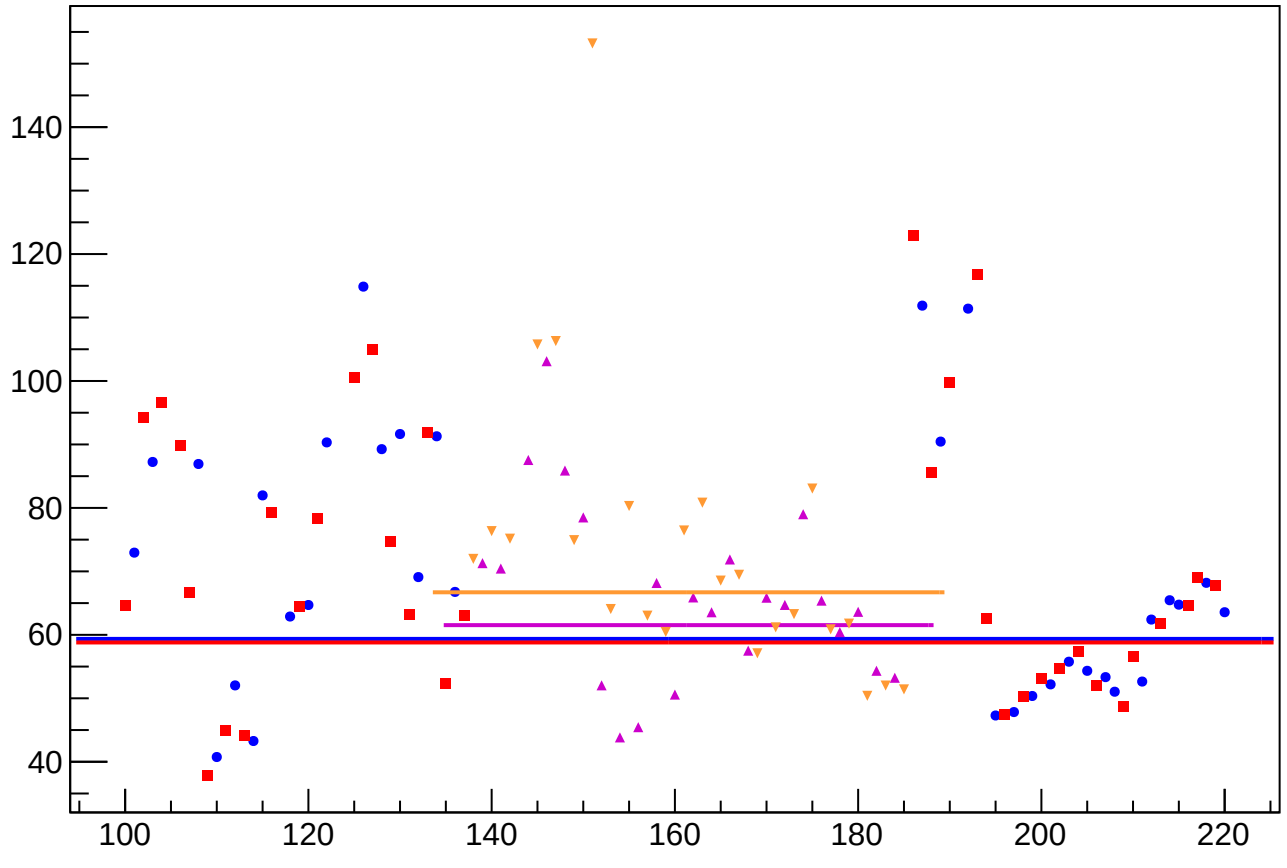
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -81.362+/-9.480 χ^2/NDF: 72.1/67

In: -22.398+/-9.986 χ^2/NDF:69.5/55

Out: -31.874+/-10.290 χ^2/NDF:95.1/58

All: -26.994+/-7.166 χ^2/NDF: 165.0/114



Right In: 59.361+/-0.009 χ^2/NDF: 2218830.2/32

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.798+/-0.009 χ^2/NDF: 2714046.1/34

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

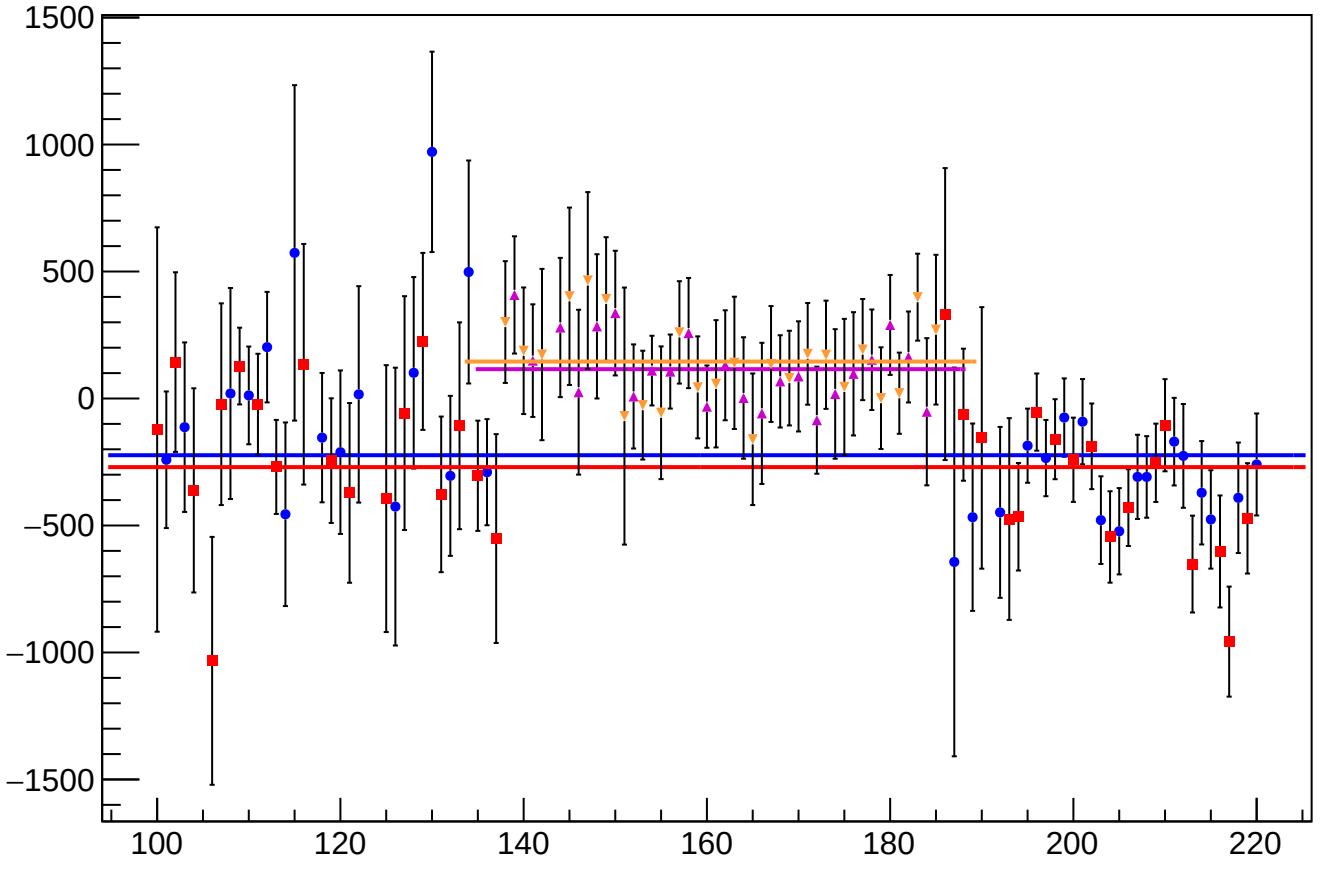
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

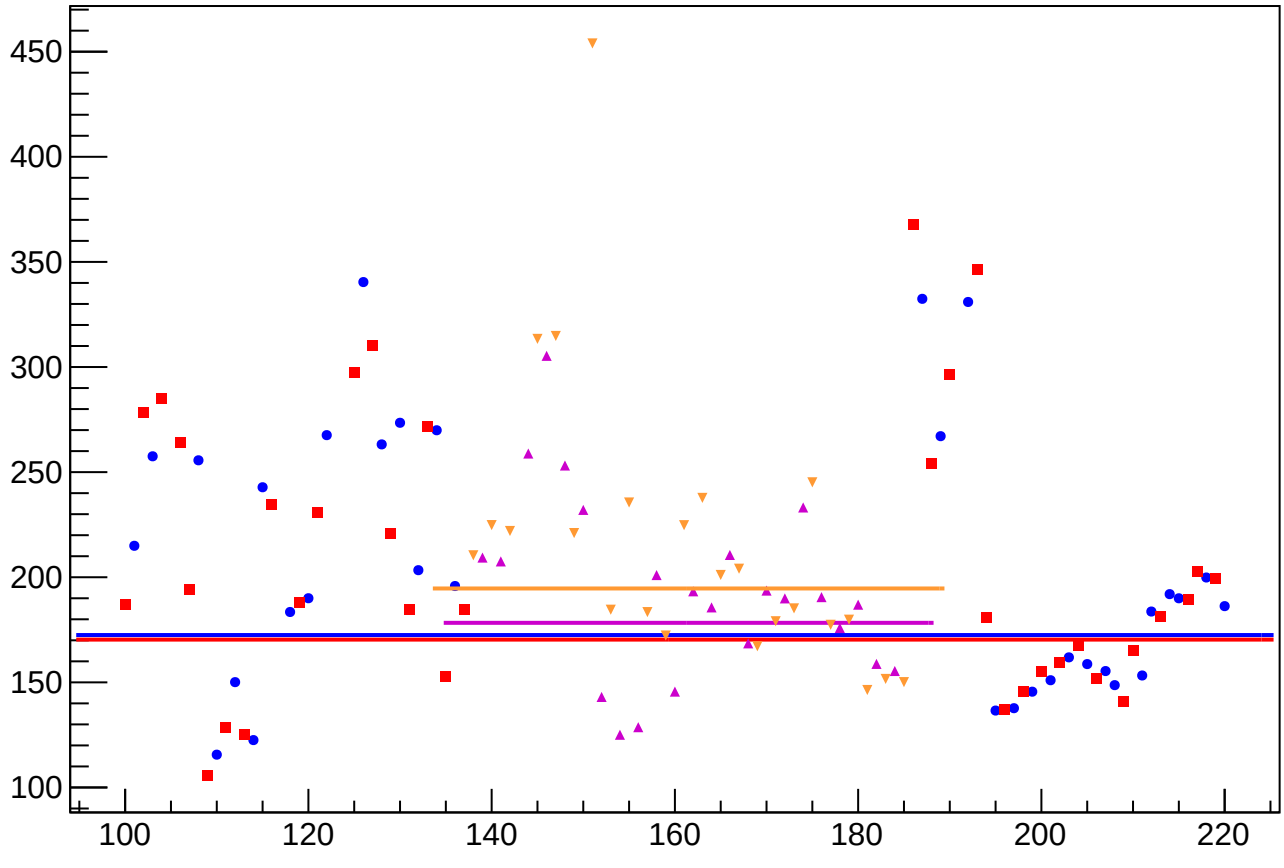
Right: 59.080+/-0.007 χ^2/NDF: 4934634.6/67

In: 60.324+/-0.007 χ^2/NDF:3731961.0/55

Out: 62.053+/-0.007 χ^2/NDF:4676216.1/58

All: 61.163+/-0.005 χ^2/NDF: 8437242.1/114


asym_bcm_an_us_an_ds_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -223.285+/-39.027 χ²/NDF: 32.6/32
Left Out: 145.476+/-46.889 χ²/NDF:10.2/23
Right Out: -270.151+/-39.007 χ²/NDF: 43.8/34
Left In: 115.487+/-43.568 χ²/NDF:7.8/22
Left: 129.382+/-31.917 χ²/NDF: 18.2/46
Right: -246.730+/-27.589 χ²/NDF: 77.1/67
In: -72.468+/-29.070 χ²/NDF:73.9/55
Out: -100.160+/-29.987 χ²/NDF:100.5/58
All: -85.884+/-20.872 χ²/NDF: 174.8/114



Right In: 172.508+/-0.028 χ^2/NDF: 2380841.3/32

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 170.342+/-0.028 χ^2/NDF: 2937931.6/34

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

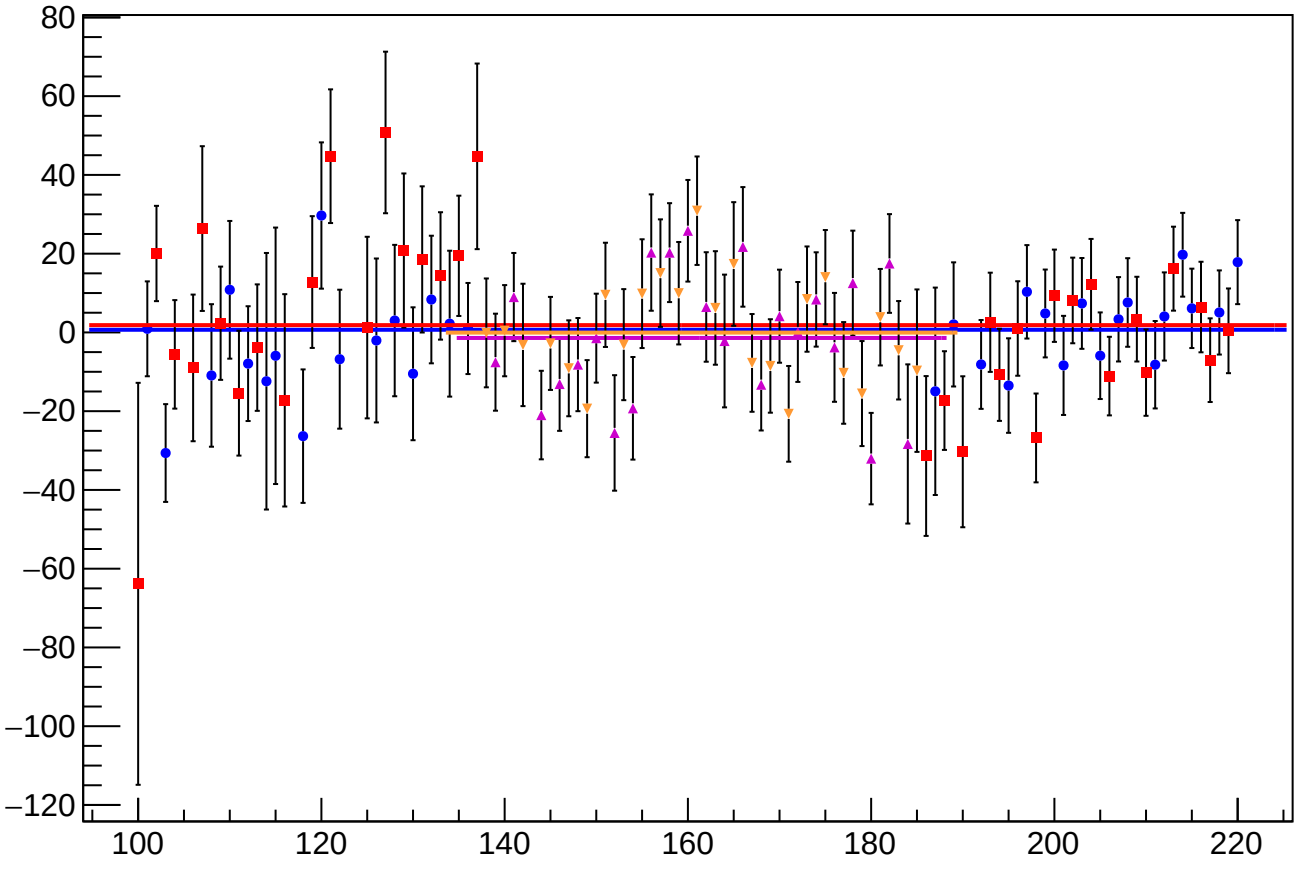
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 171.424+/-0.020 χ^2/NDF: 5321854.8/67

In: 175.094+/-0.021 χ^2/NDF:4078911.3/55

Out: 180.288+/-0.021 χ^2/NDF:5008966.6/58

All: 177.610+/-0.015 χ^2/NDF: 9118801.4/114



Right In: 0.674+/-2.325 χ^2/NDF: 25.3/32

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 1.851+/-2.341 χ^2/NDF: 49.8/34

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

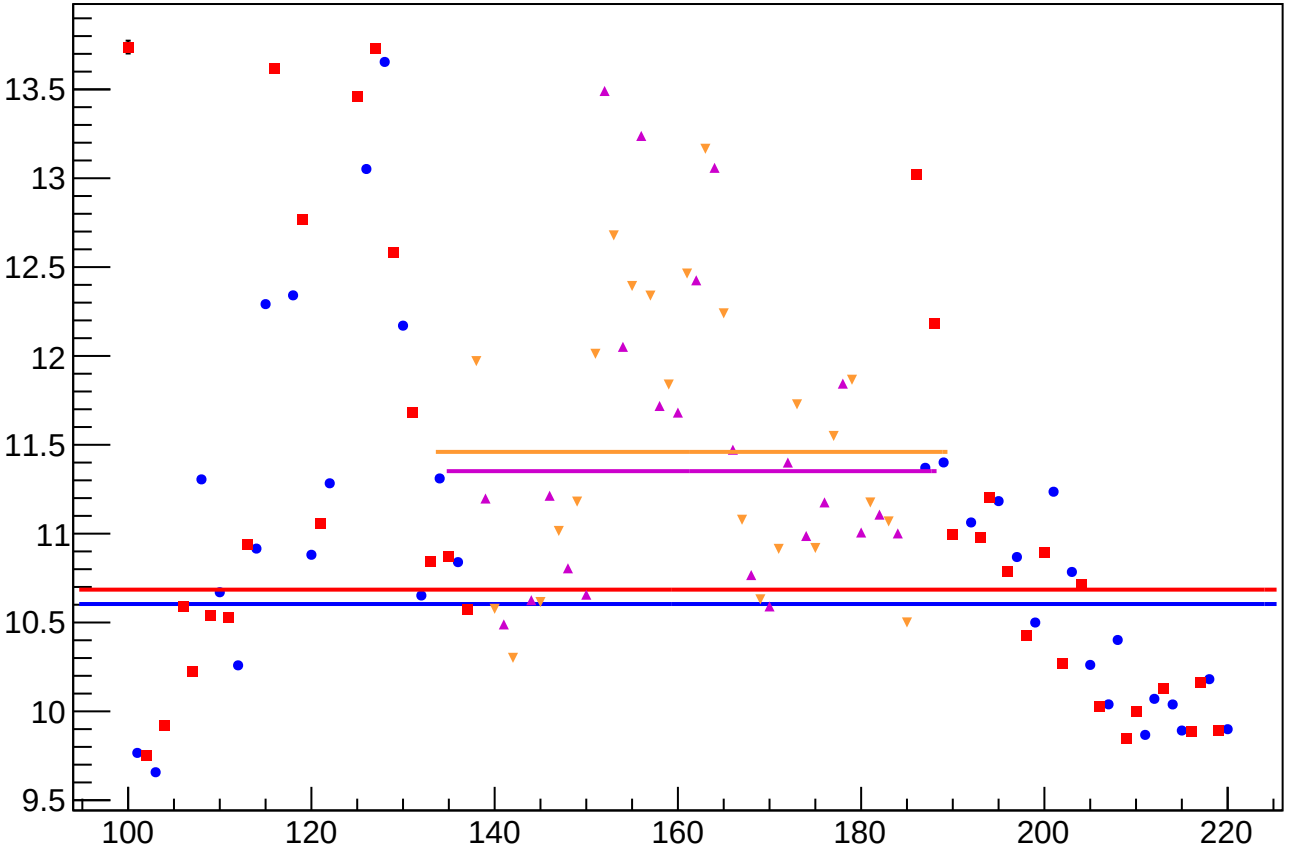
Right: 1.258+/-1.649 χ^2/NDF: 75.3/67

In: -0.222+/-1.754 χ^2/NDF:62.0/55

Out: 1.031+/-1.764 χ^2/NDF:70.6/58

All: 0.401+/-1.244 χ^2/NDF: 132.8/114

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.604+/-0.002 χ^2/NDF: 224875.1/32

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.685+/-0.002 χ^2/NDF: 306057.9/34

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

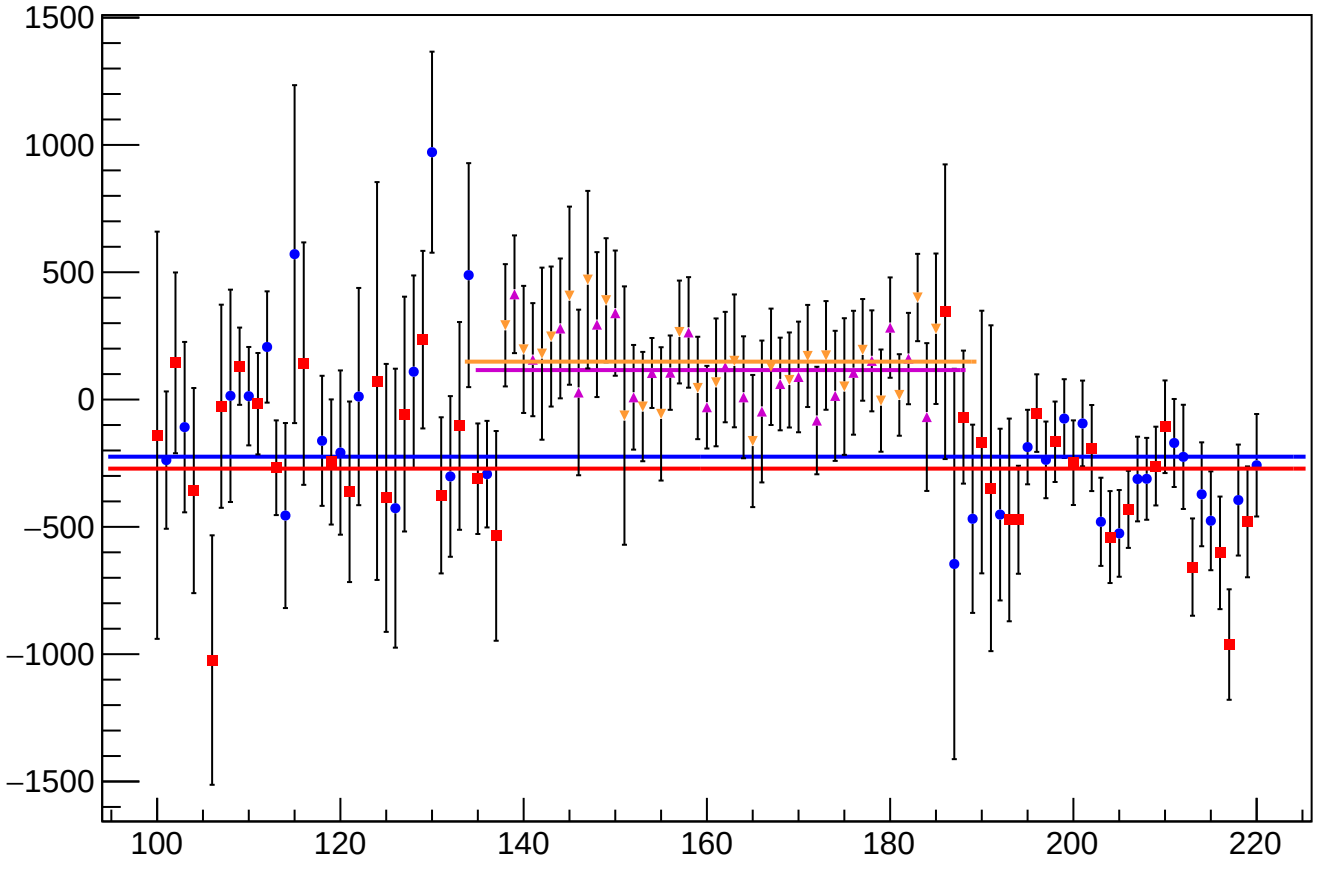
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.644+/-0.001 χ^2/NDF: 532135.4/67

In: 10.926+/-0.001 χ^2/NDF:484500.0/55

Out: 11.020+/-0.001 χ^2/NDF:551204.8/58

All: 10.973+/-0.001 χ^2/NDF: 1038544.5/114



Right In: -224.383+/-39.124 χ^2/NDF: 32.6/32

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -271.248+/-38.988 χ^2/NDF: 44.2/36

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

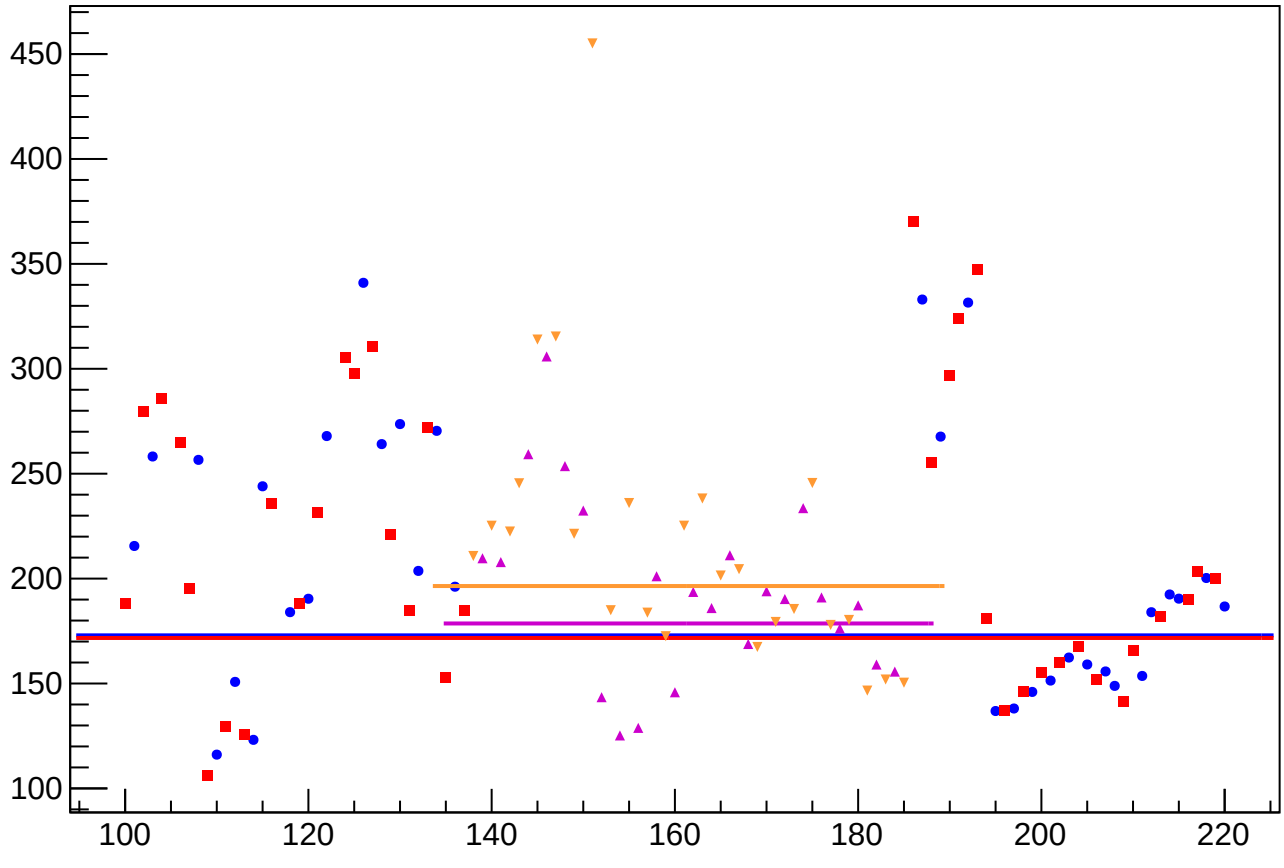
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -247.897+/-27.617 χ^2/NDF: 77.5/69

In: -72.842+/-29.131 χ^2/NDF:74.0/55

Out: -96.956+/-29.825 χ^2/NDF:102.9/61

All: -84.616+/-20.840 χ^2/NDF: 177.2/117



Right In: 172.947+/-0.028 χ^2/NDF: 2375821.4/32

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

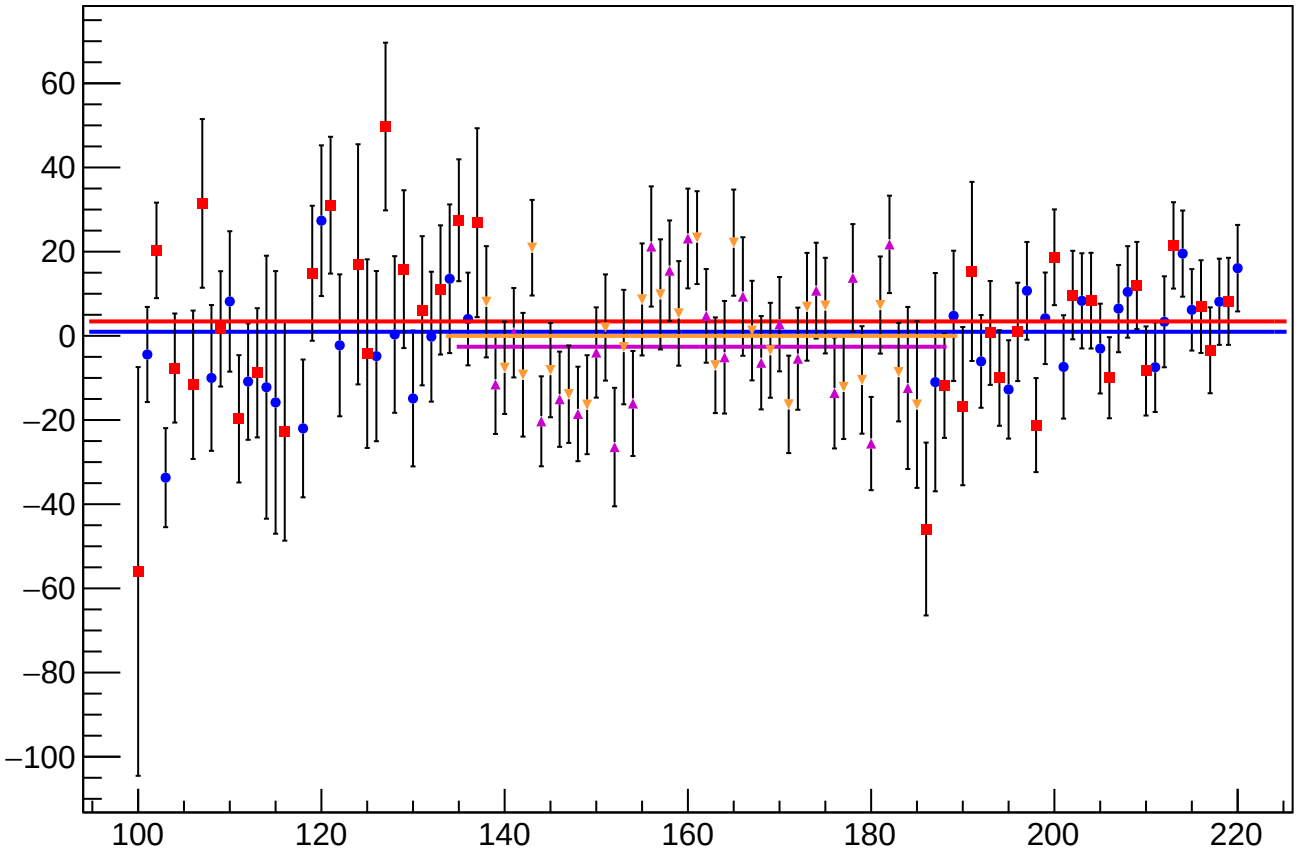
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 172.323+/-0.020 χ^2/NDF: 5484283.1/69

In: 175.472+/-0.021 χ^2/NDF:4073377.3/55

Out: 181.970+/-0.021 χ^2/NDF:5260579.6/61

All: 178.645+/-0.015 χ^2/NDF: 9382542.2/117



Right In: 0.968+/-2.241 χ^2/NDF: 28.3/32

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.428+/-2.238 χ^2/NDF: 50.0/36

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

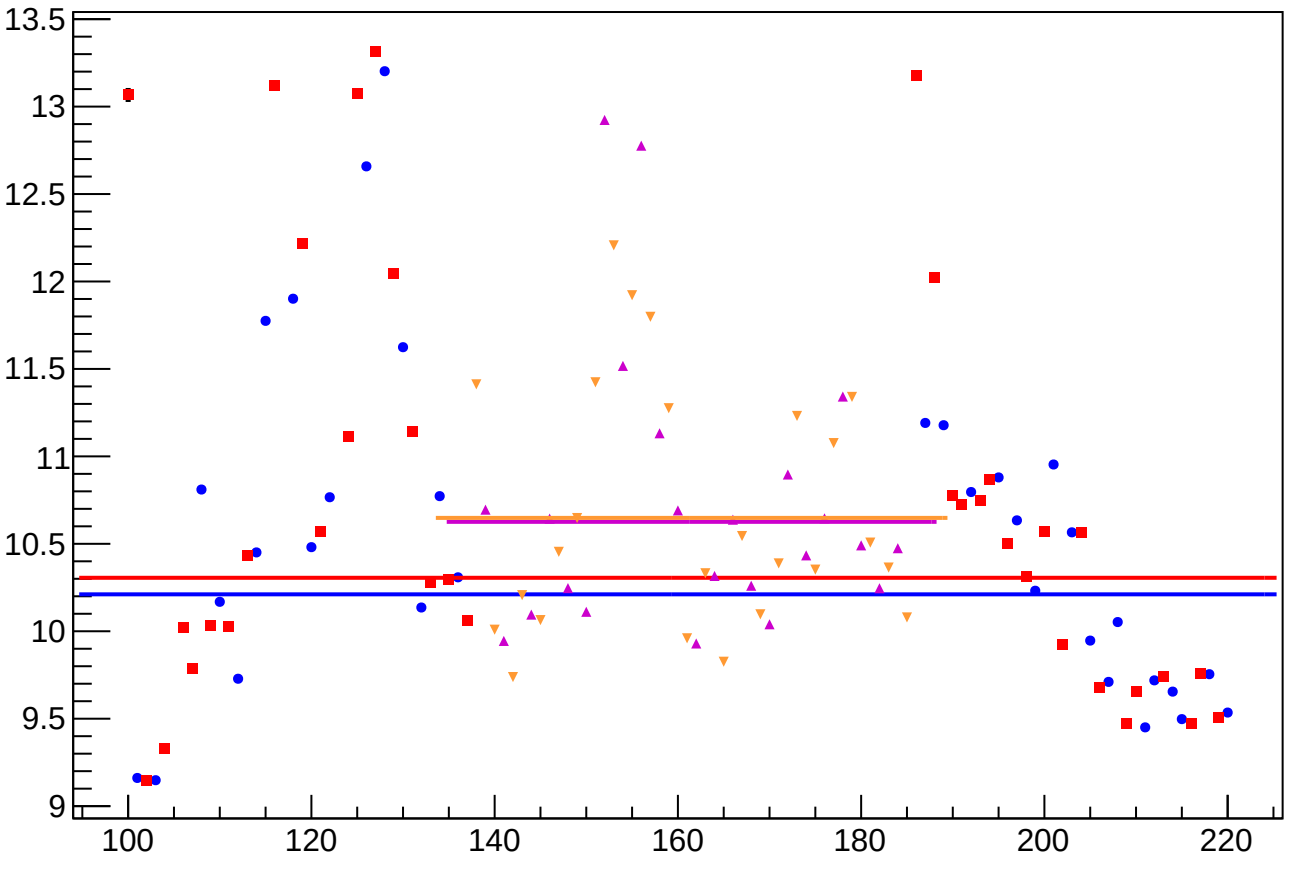
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 2.199+/-1.584 χ^2/NDF: 78.9/69

In: -0.613+/-1.670 χ^2/NDF:64.2/55

Out: 1.857+/-1.651 χ^2/NDF:74.8/61

All: 0.636+/-1.174 χ^2/NDF: 140.1/117



Right In: 10.211+/-0.002 χ^2/NDF: 250948.3/32

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.306+/-0.002 χ^2/NDF: 351007.5/36

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

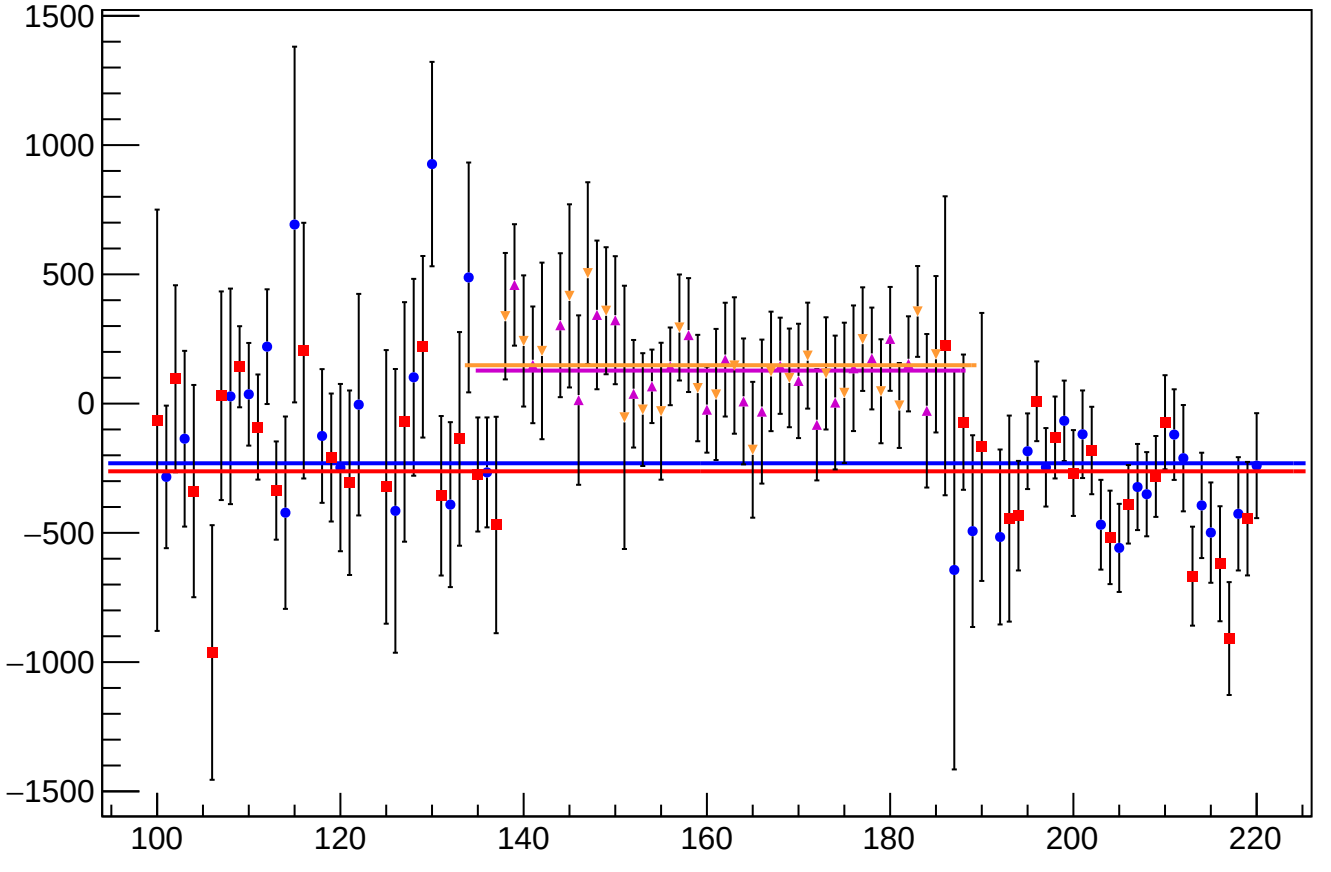
Right: 10.258+/-0.001 χ^2/NDF: 603740.8/69

In: 10.395+/-0.001 χ^2/NDF:440906.9/55

Out: 10.462+/-0.001 χ^2/NDF:515896.7/61

All: 10.429+/-0.001 χ^2/NDF: 958414.6/117

asym_bcm_dg_us_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -230.840+/-39.428 χ^2/NDF: 34.6/32

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -261.932+/-39.458 χ^2/NDF: 41.1/34

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

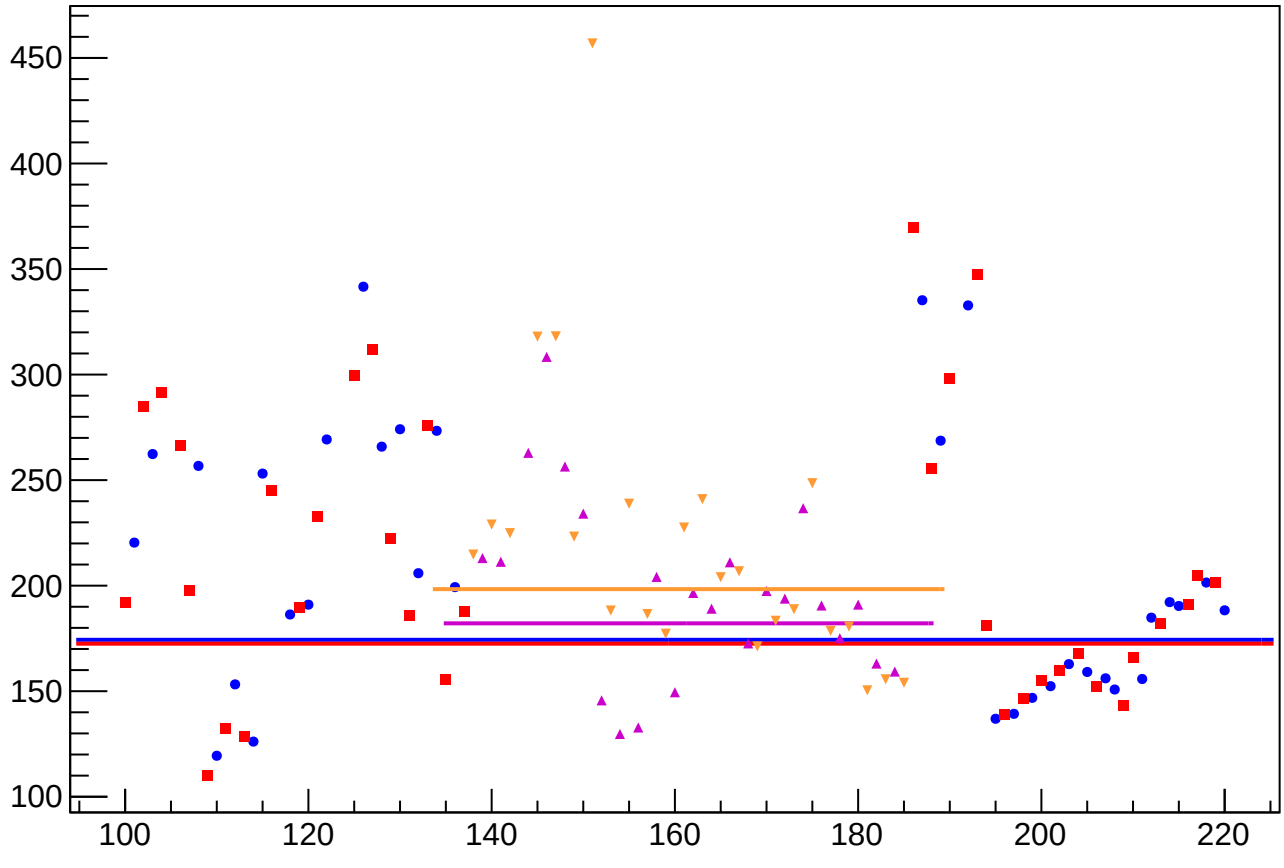
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -246.374+/-27.890 χ^2/NDF: 76.0/67

In: -72.863+/-29.489 χ^2/NDF:78.9/55

Out: -95.292+/-30.409 χ^2/NDF:94.9/58

All: -83.733+/-21.170 χ^2/NDF: 174.1/114



Right In: 174.352+/-0.028 χ^2/NDF: 2356987.8/32

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 172.518+/-0.028 χ^2/NDF: 2866746.7/34

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

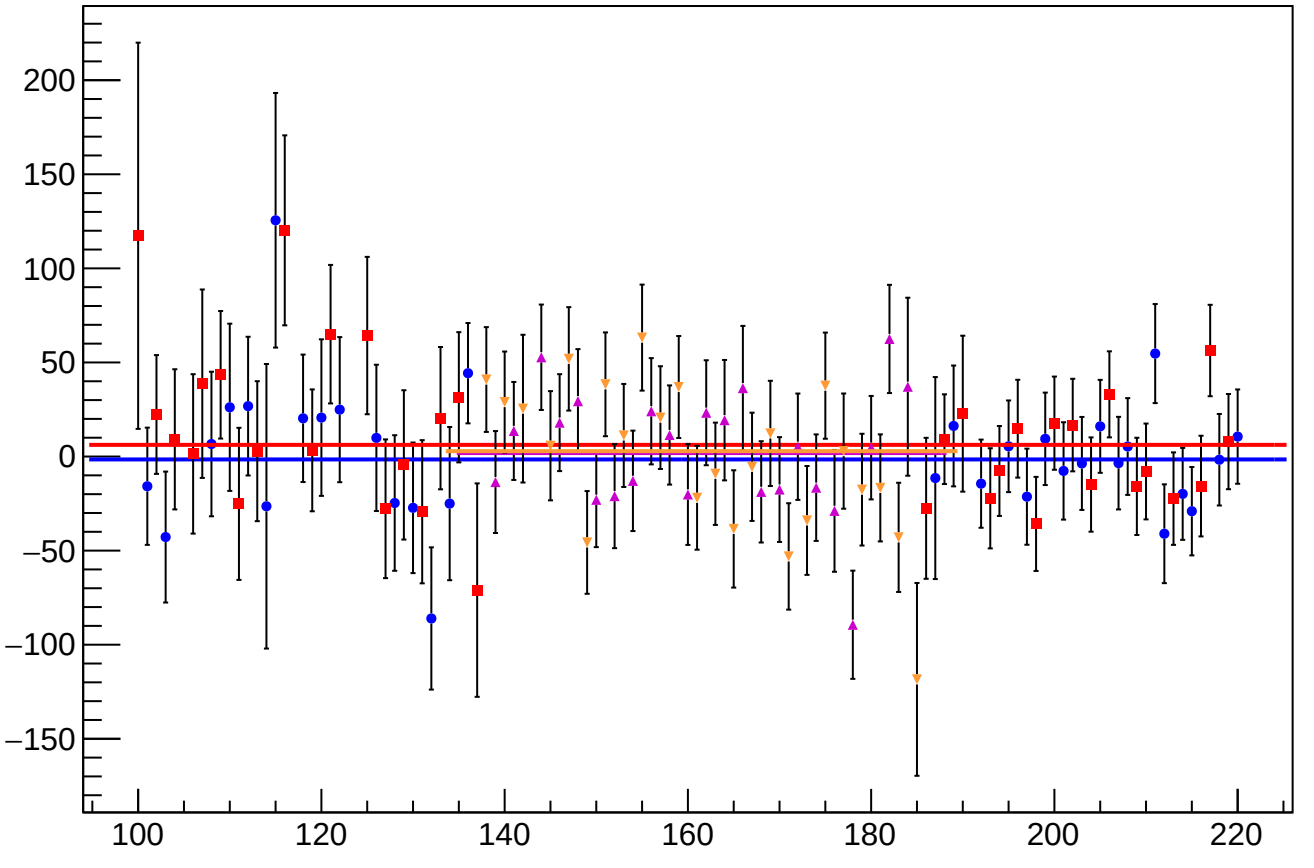
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 173.436+/-0.020 χ^2/NDF: 5225895.1/67

In: 177.788+/-0.021 χ^2/NDF:3975819.3/55

Out: 183.008+/-0.022 χ^2/NDF:4911906.7/58

All: 180.318+/-0.015 χ^2/NDF: 8918104.7/114



Right In: -1.542+/-5.207 χ^2/NDF: 28.0/32

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 6.205+/-5.200 χ^2/NDF: 32.8/34

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

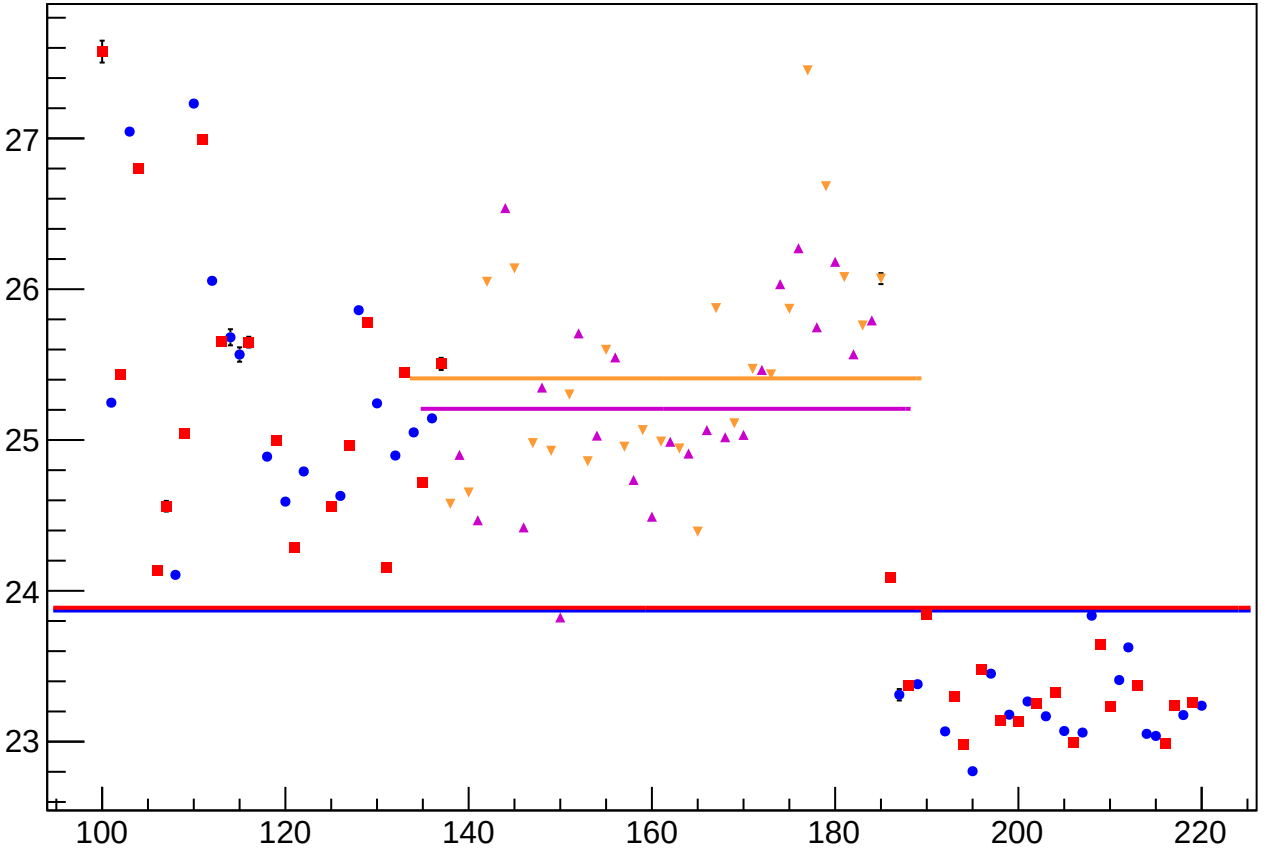
Right: 2.337+/-3.679 χ^2/NDF: 61.9/67

In: -0.055+/-3.902 χ^2/NDF:56.2/55

Out: 4.740+/-3.902 χ^2/NDF:69.9/58

All: 2.342+/-2.759 χ^2/NDF: 126.9/114

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 23.869+/-0.004 χ^2/NDF: 87196.7/32

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 23.888+/-0.004 χ^2/NDF: 78410.4/34

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

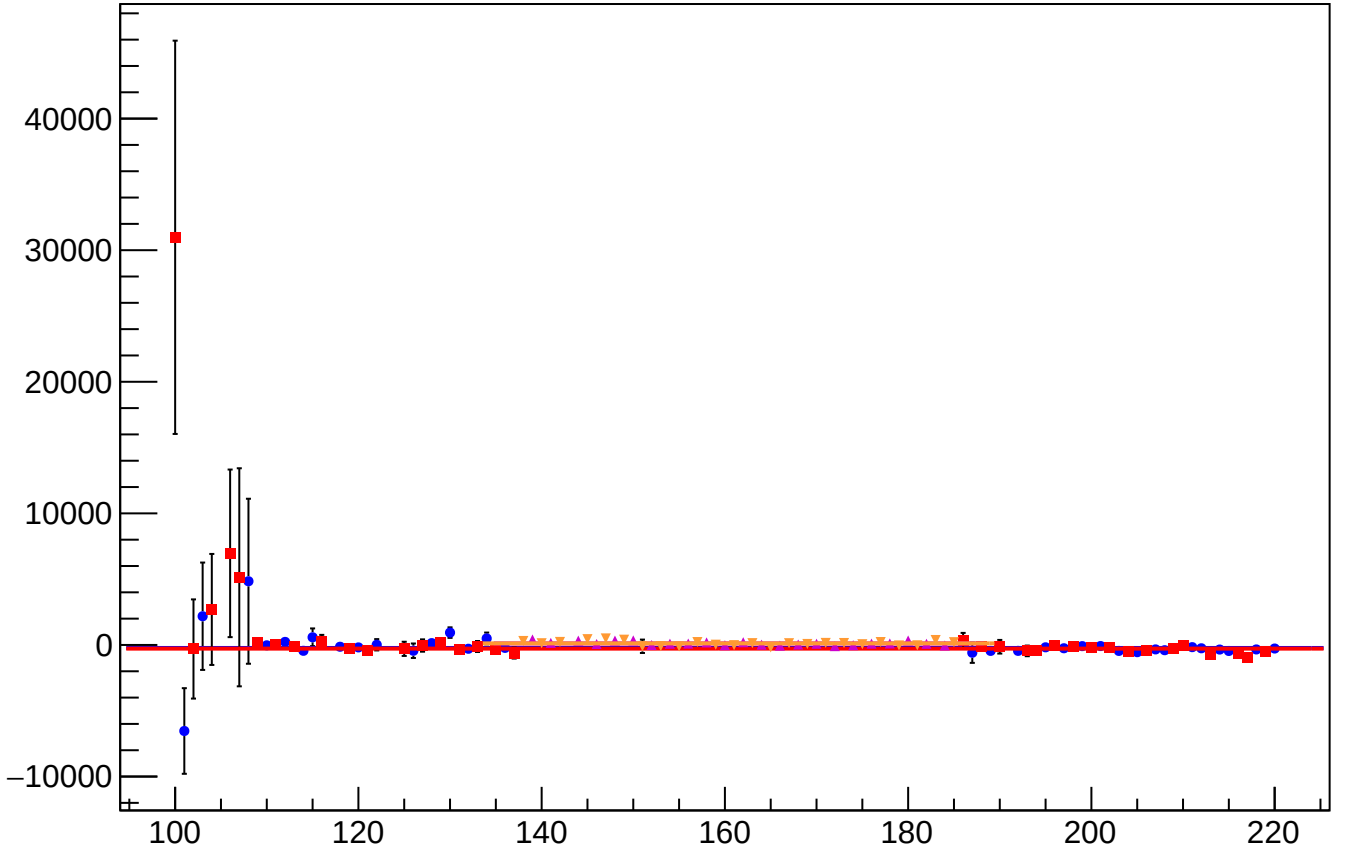
Right: 23.879+/-0.003 χ^2/NDF: 165619.7/67

In: 24.456+/-0.003 χ^2/NDF:170870.6/55

Out: 24.552+/-0.003 χ^2/NDF:180001.0/58

All: 24.504+/-0.002 χ^2/NDF: 351482.6/114

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -229.208+/-40.865 χ^2/NDF: 36.0/32

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -277.772+/-41.370 χ^2/NDF: 47.2/34

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

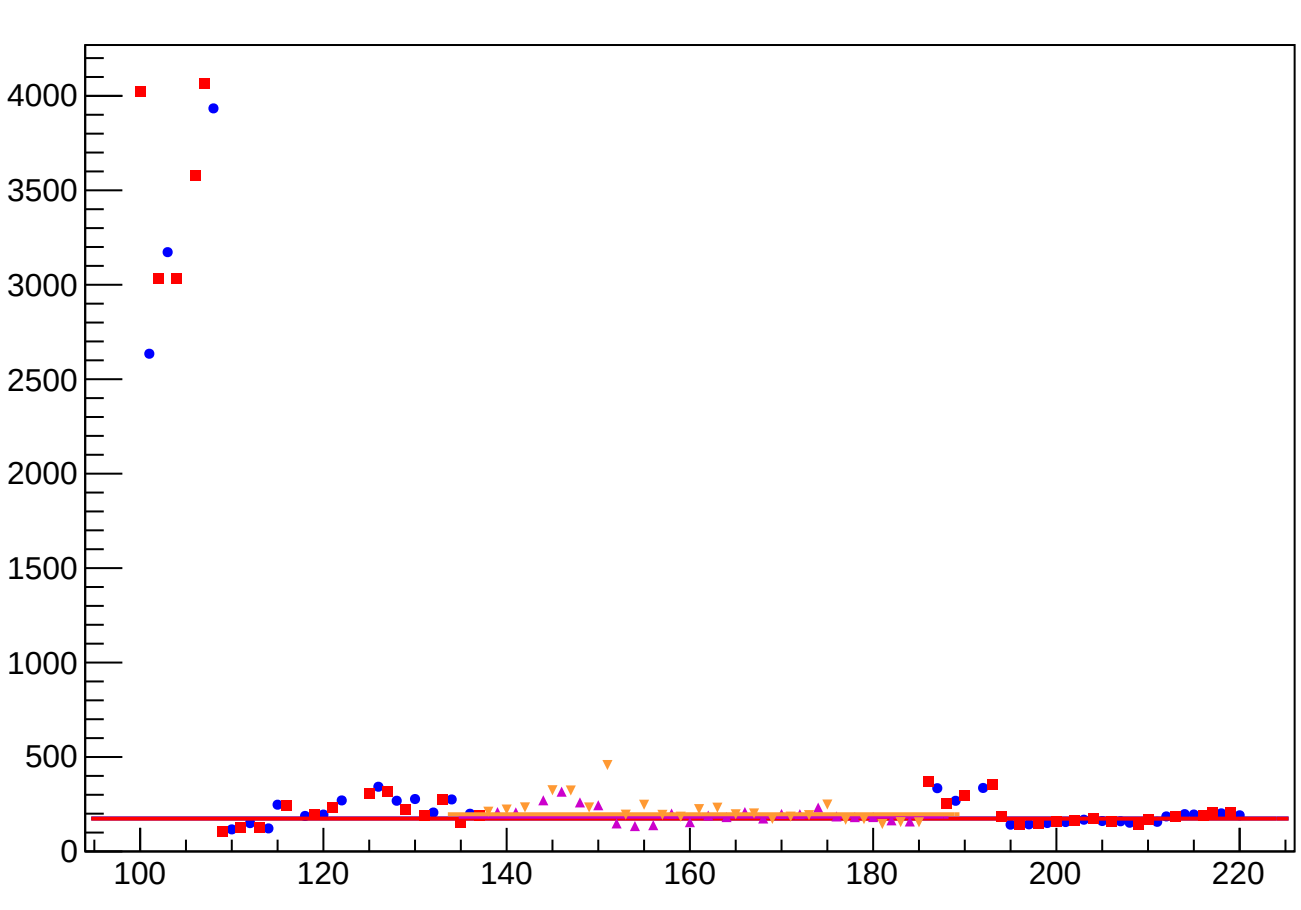
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -253.192+/-29.073 χ^2/NDF: 83.8/67

In: -72.263+/-30.187 χ^2/NDF:76.9/55

Out: -105.854+/-31.179 χ^2/NDF:99.1/58

All: -88.515+/-21.688 χ^2/NDF: 176.5/114



Right In: 174.694+/-0.029 χ^2/NDF: 4997331.3/32

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 173.722+/-0.029 χ^2/NDF: 5544659.3/34

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

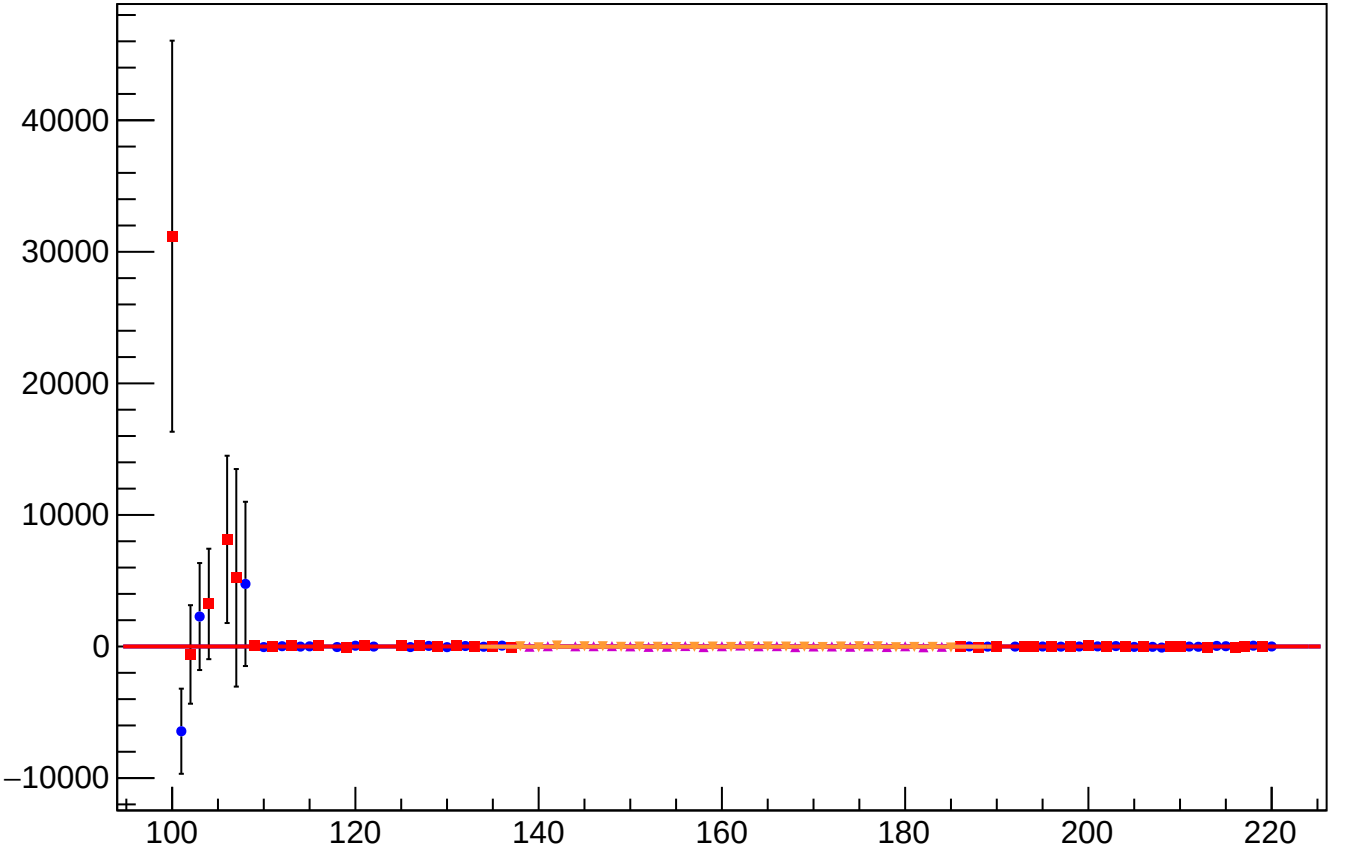
Right: 174.214+/-0.021 χ^2/NDF: 10542549.2/67

In: 178.945+/-0.021 χ^2/NDF:6490399.5/55

Out: 183.749+/-0.022 χ^2/NDF:7625943.4/58

All: 181.269+/-0.015 χ^2/NDF: 14140852.5/1

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 1.836+/-6.178 χ^2/NDF: 38.2/32

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 2.645+/-6.269 χ^2/NDF: 40.9/34

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

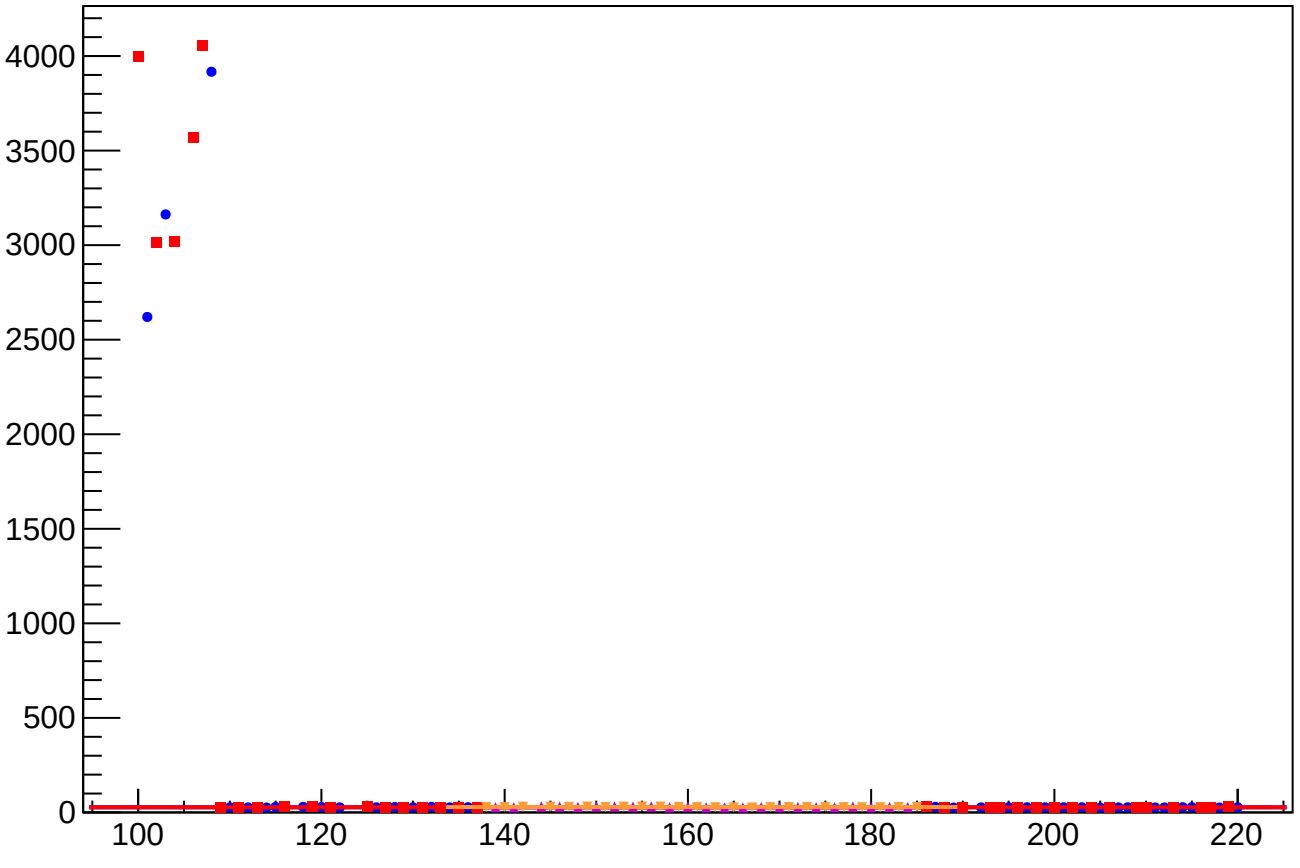
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 2.234+/-4.400 χ^2/NDF: 79.1/67

In: 2.174+/-4.552 χ^2/NDF:60.3/55

Out: -3.825+/-4.563 χ^2/NDF:60.7/58

All: -0.818+/-3.222 χ^2/NDF: 121.9/114



Right In: 27.201+/-0.004 χ^2/NDF: 3295488.7/32

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.322+/-0.004 χ^2/NDF: 3625054.1/34

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

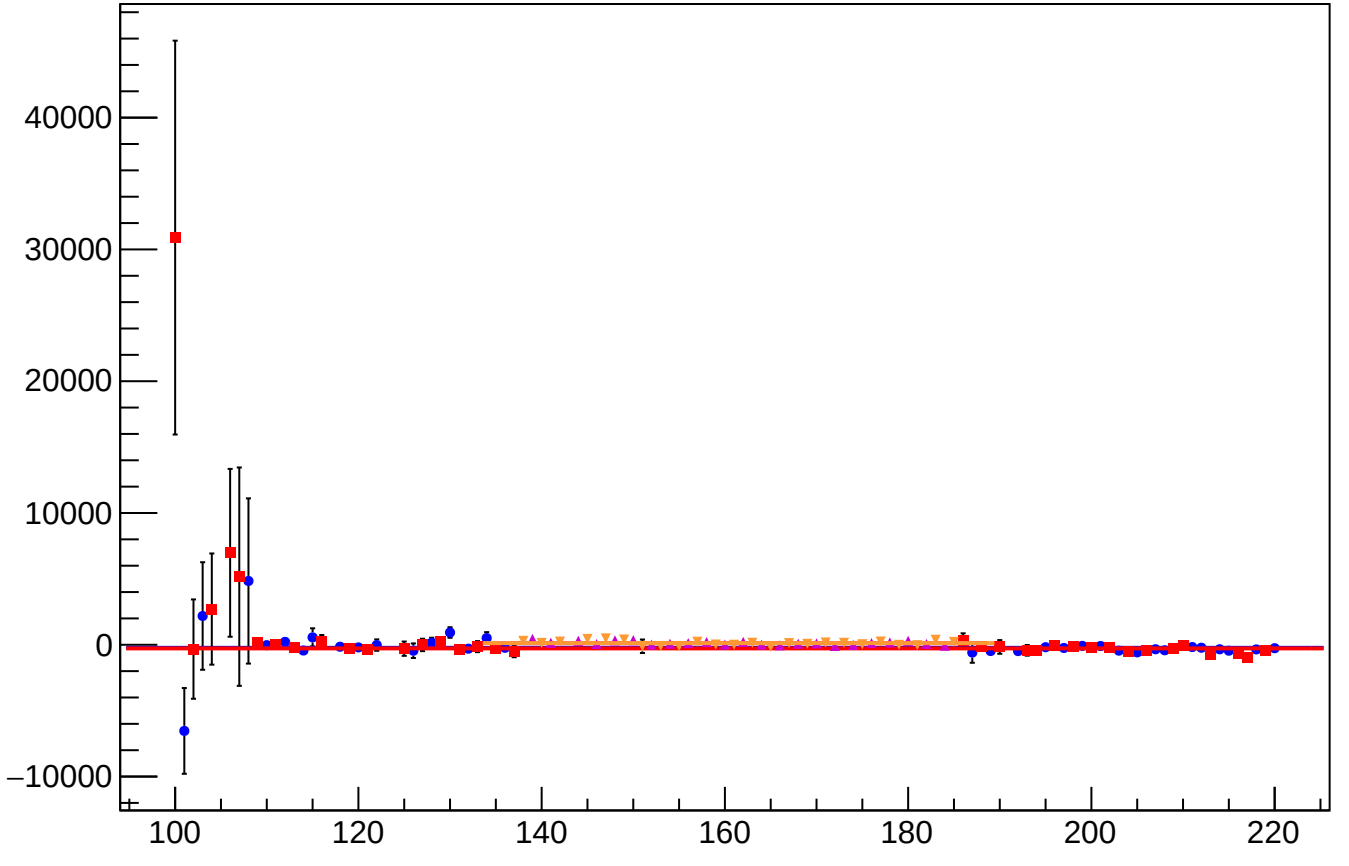
Right: 27.260+/-0.003 χ^2/NDF: 6920921.9/67

In: 27.899+/-0.003 χ^2/NDF:3478725.4/55

Out: 27.919+/-0.003 χ^2/NDF:3744676.7/58

All: 27.909+/-0.002 χ^2/NDF: 7223422.6/114

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -233.015+/-41.036 χ^2/NDF: 36.0/32

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -274.975+/-41.534 χ^2/NDF: 45.5/34

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

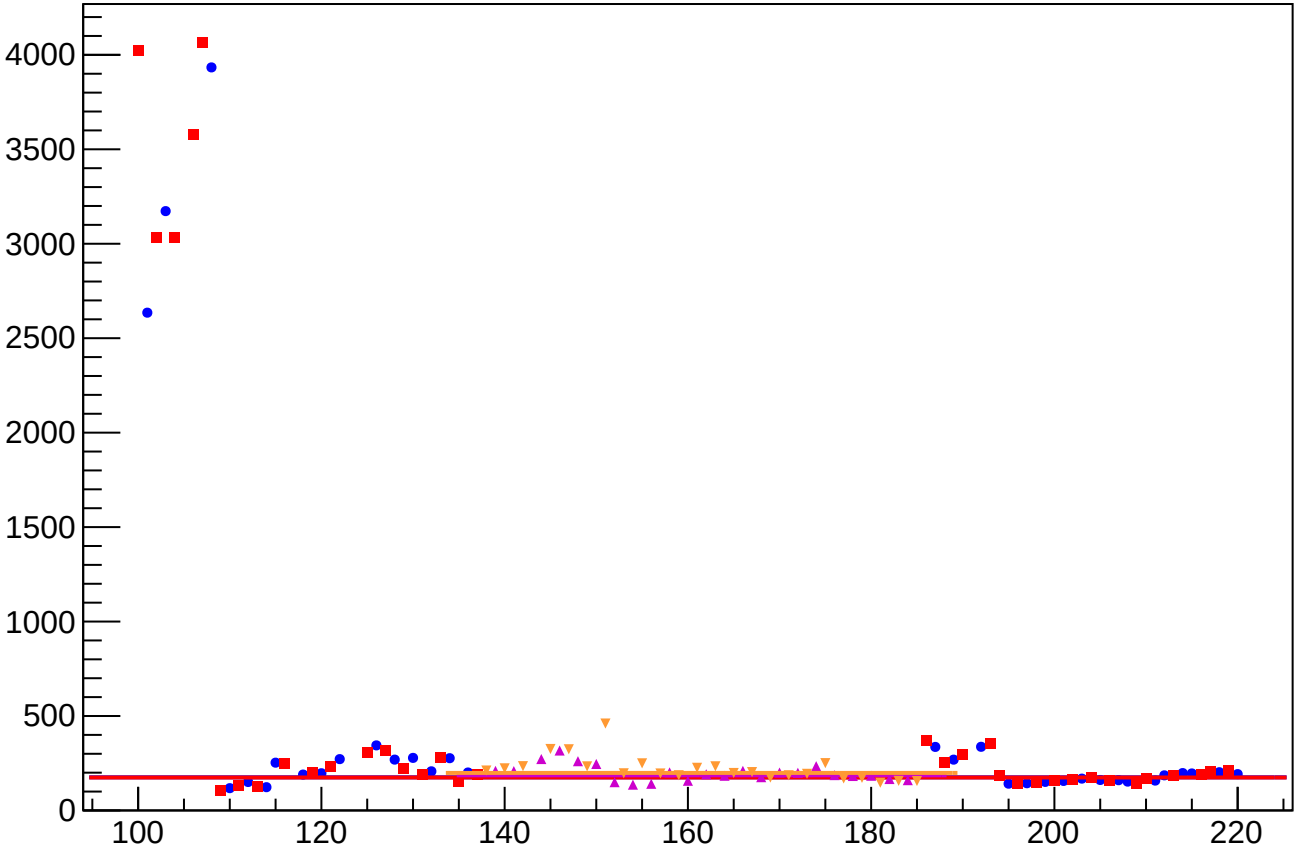
Right: -253.742+/-29.192 χ^2/NDF: 82.1/67

In: -72.238+/-30.382 χ^2/NDF:78.0/55

Out: -102.529+/-31.367 χ^2/NDF:97.2/58

All: -86.901+/-21.823 χ^2/NDF: 175.7/114

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 175.443+/-0.029 χ^2/NDF: 4991329.9/32

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.453+/-0.029 χ^2/NDF: 5532036.3/34

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

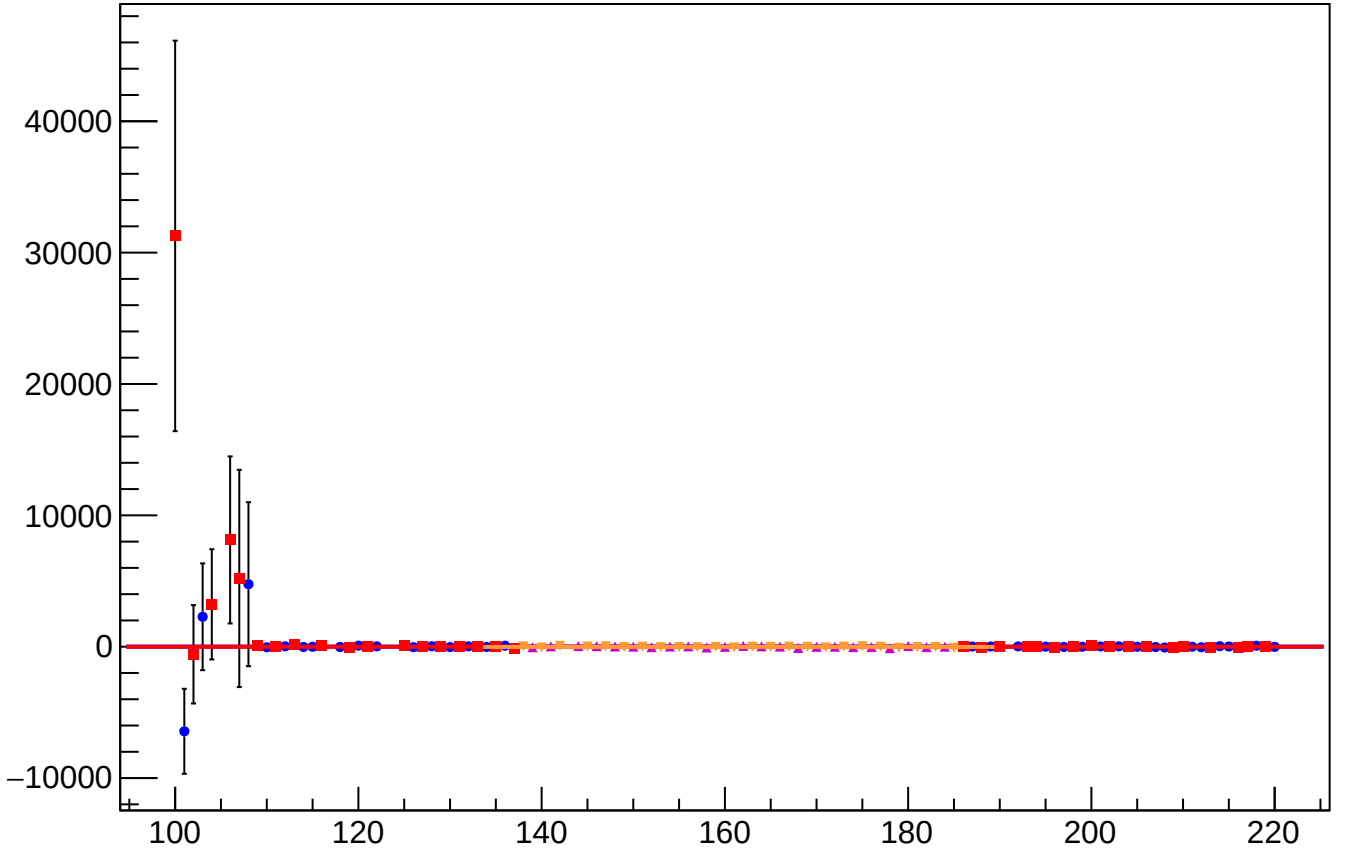
Right: 174.954+/-0.021 χ^2/NDF: 10523941.1/67

In: 180.155+/-0.021 χ^2/NDF:6455215.7/55

Out: 184.887+/-0.022 χ^2/NDF:7612176.9/58

All: 182.445+/-0.015 χ^2/NDF: 14090874.3/11

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.485+/-6.811 χ^2/NDF: 31.8/32

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -2.332+/-6.910 χ^2/NDF: 45.0/34

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

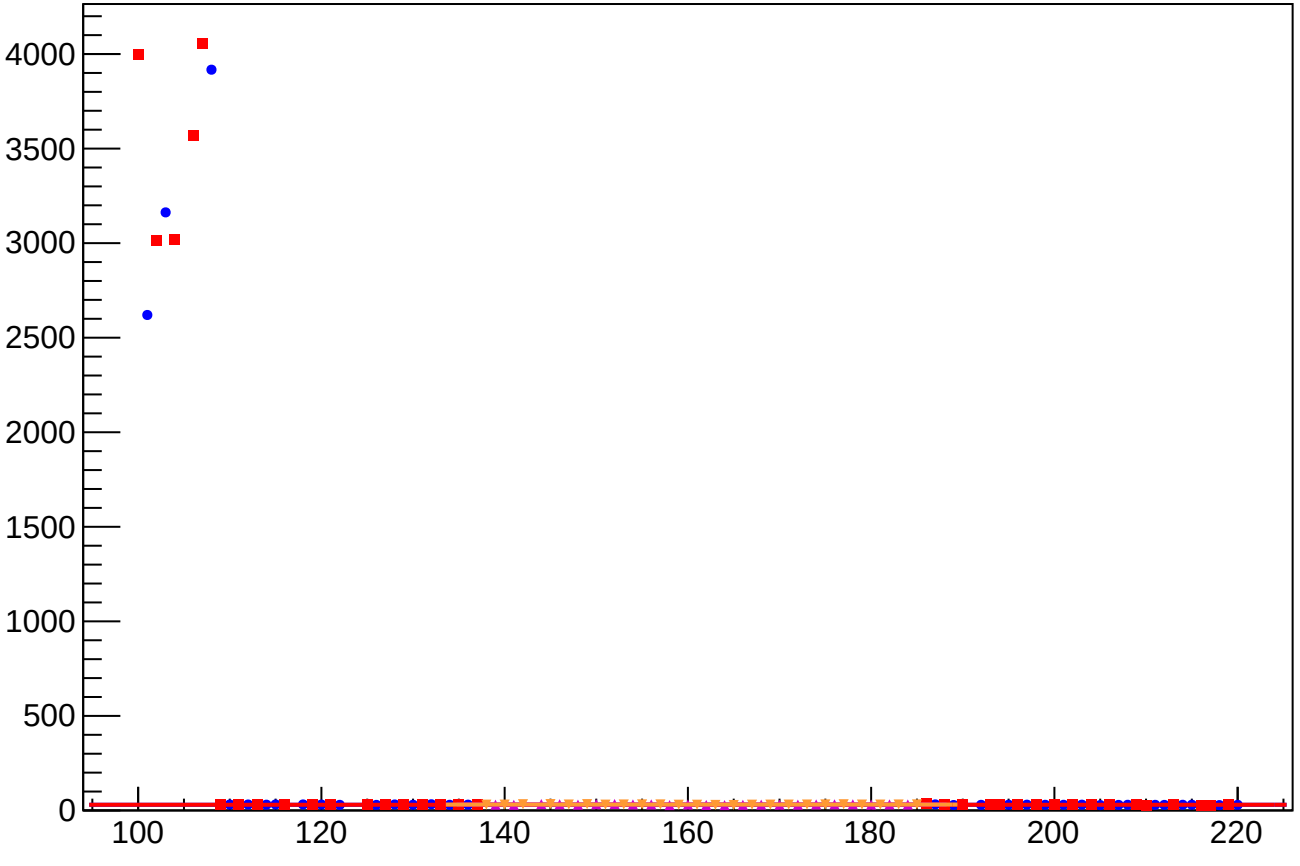
Right: 2.140+/-4.851 χ^2/NDF: 77.6/67

In: 2.236+/-4.995 χ^2/NDF:68.1/55

Out: -9.869+/-5.005 χ^2/NDF:67.8/58

All: -3.804+/-3.536 χ^2/NDF: 138.8/114

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 29.997+/-0.005 χ^2/NDF: 3282671.4/32

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.136+/-0.005 χ^2/NDF: 3589735.4/34

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

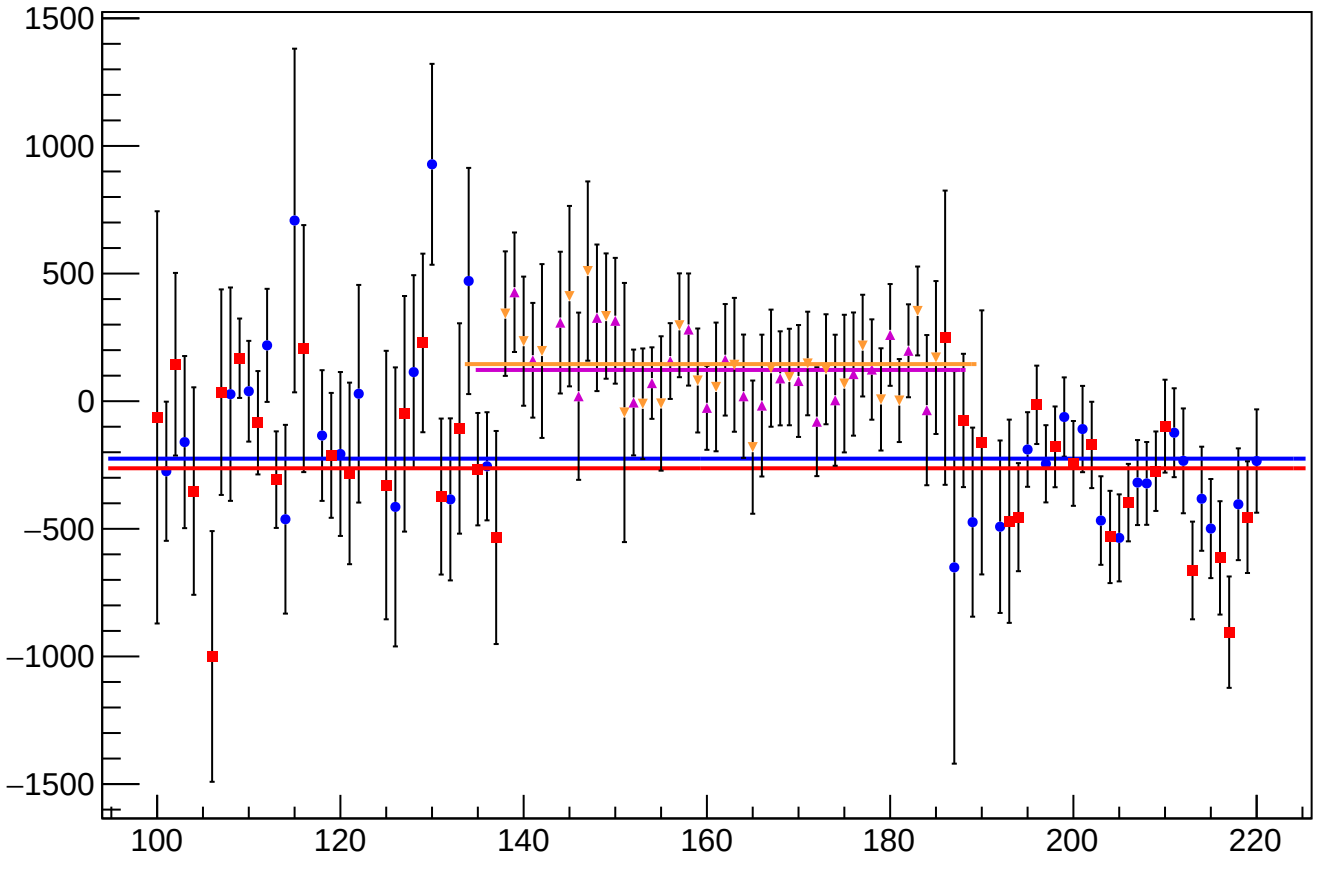
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.066+/-0.003 χ^2/NDF: 6872813.1/67

In: 30.636+/-0.004 χ^2/NDF:3405955.5/55

Out: 30.652+/-0.004 χ^2/NDF:3660630.8/58

All: 30.644+/-0.003 χ^2/NDF: 7066596.2/114



Right In: -225.067+/-39.314 χ^2/NDF: 33.9/32

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -262.832+/-39.335 χ^2/NDF: 42.4/34

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

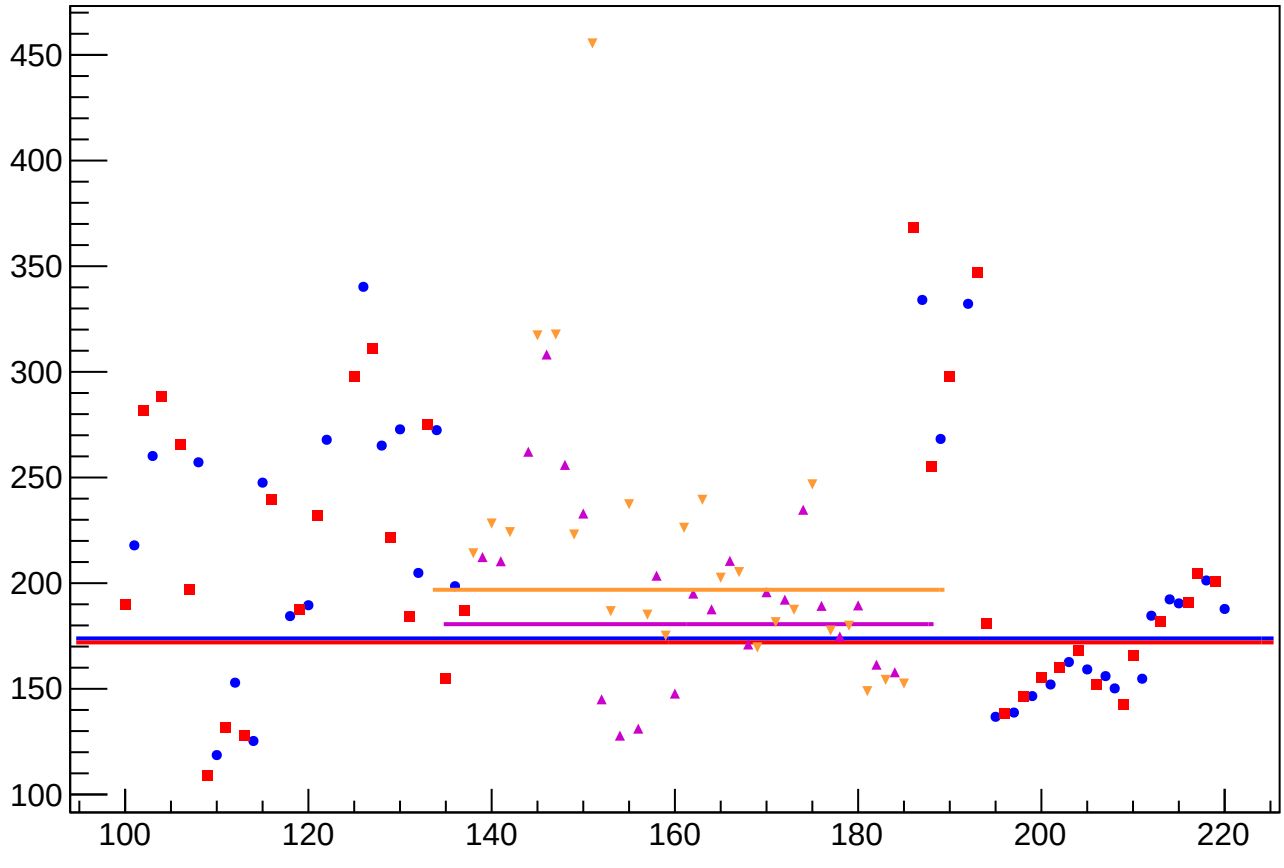
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -243.940+/-27.807 χ^2/NDF: 76.7/67

In: -71.142+/-29.340 χ^2/NDF:76.3/55

Out: -96.343+/-30.267 χ^2/NDF:95.7/58

All: -83.351+/-21.067 χ^2/NDF: 172.4/114



Right In: 173.852+/-0.028 χ^2/NDF: 2351339.7/32

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 171.960+/-0.028 χ^2/NDF: 2865390.7/34

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

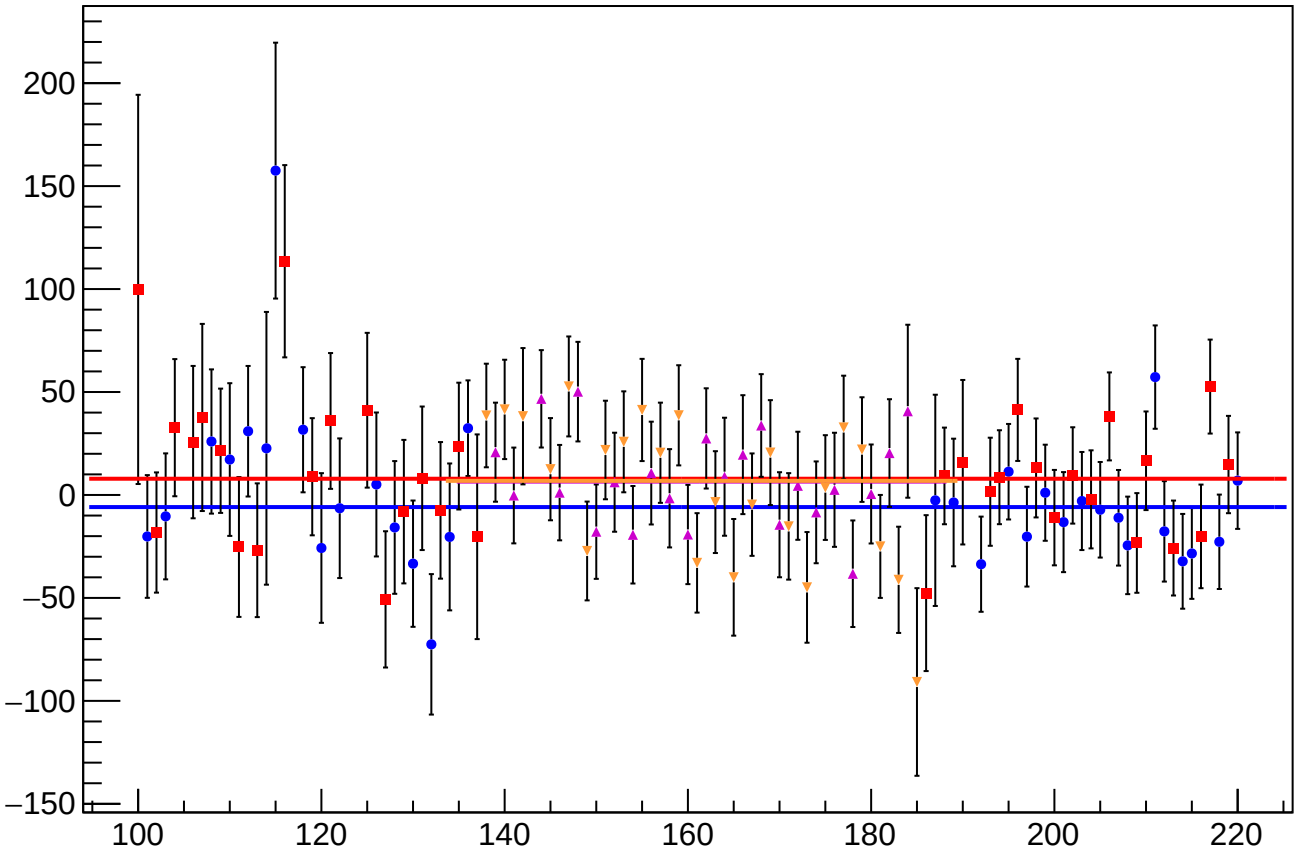
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 172.907+/-0.020 χ^2/NDF: 5219043.8/67

In: 176.842+/-0.021 χ^2/NDF:4005529.1/55

Out: 182.123+/-0.021 χ^2/NDF:4917743.0/58

All: 179.400+/-0.015 χ^2/NDF: 8954656.4/114



Right In: -5.881+/-4.831 χ^2/NDF: 32.4/32

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 7.884+/-4.839 χ^2/NDF: 32.1/34

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

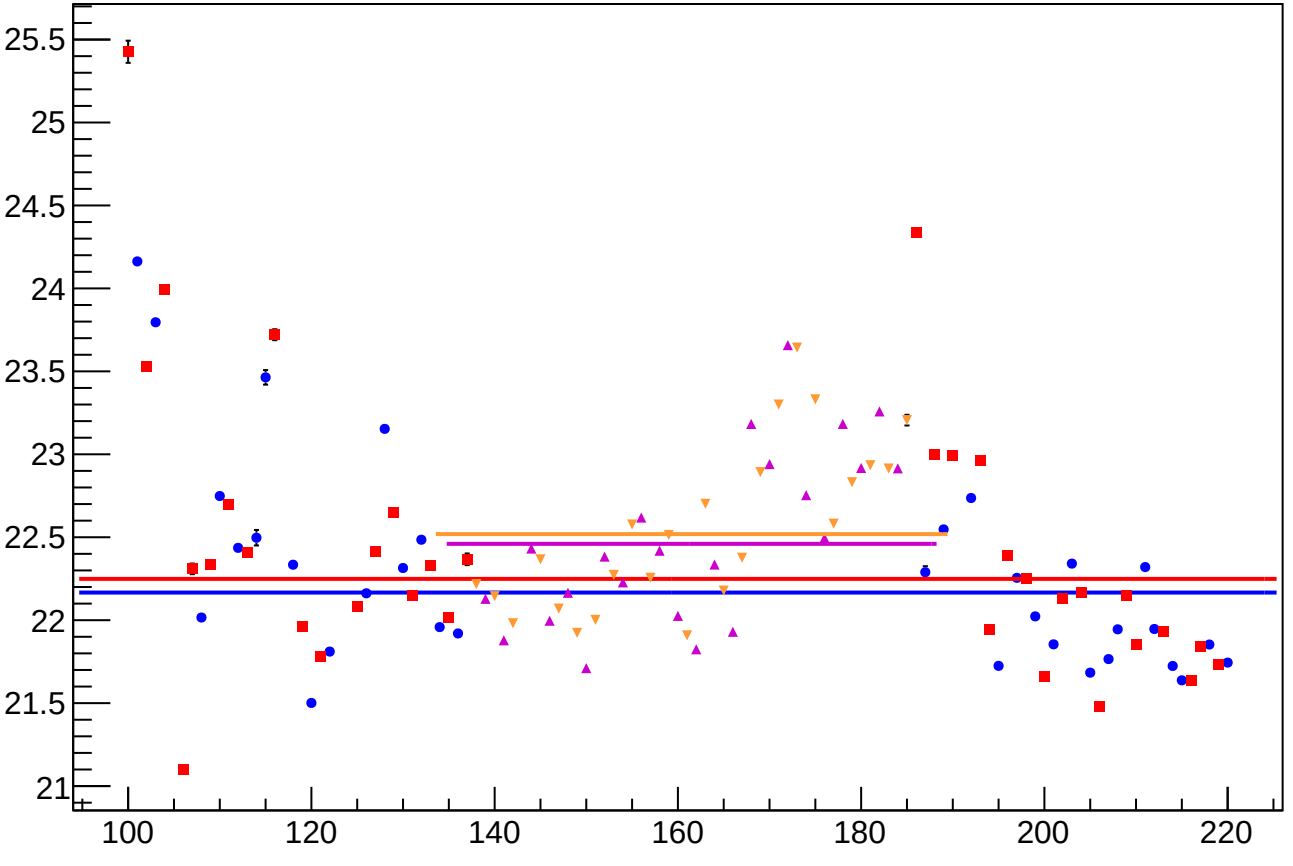
Right: 0.989+/-3.419 χ^2/NDF: 68.6/67

In: -0.209+/-3.554 χ^2/NDF:52.9/55

Out: 7.410+/-3.551 χ^2/NDF:69.0/58

All: 3.603+/-2.512 χ^2/NDF: 124.1/114

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.167+/-0.003 χ^2/NDF: 27168.4/32

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.249+/-0.003 χ^2/NDF: 35471.0/34

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

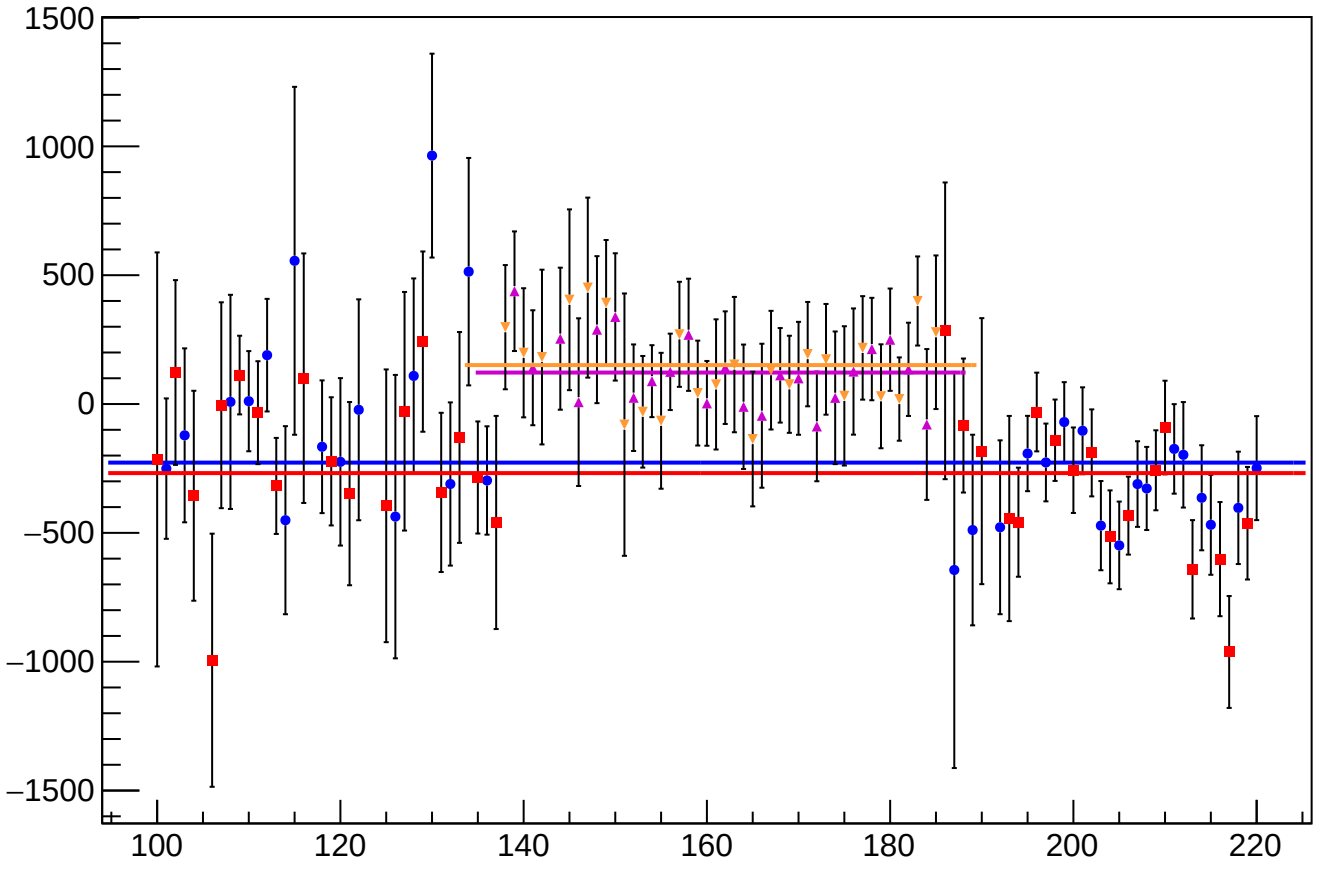
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.208+/-0.002 χ^2/NDF: 62930.0/67

In: 22.301+/-0.003 χ^2/NDF:49675.1/55

Out: 22.374+/-0.003 χ^2/NDF:54340.4/58

All: 22.337+/-0.002 χ^2/NDF: 104429.1/114



Right In: -227.327+/-39.201 χ^2/NDF: 32.5/32

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -268.017+/-39.179 χ^2/NDF: 41.9/34

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

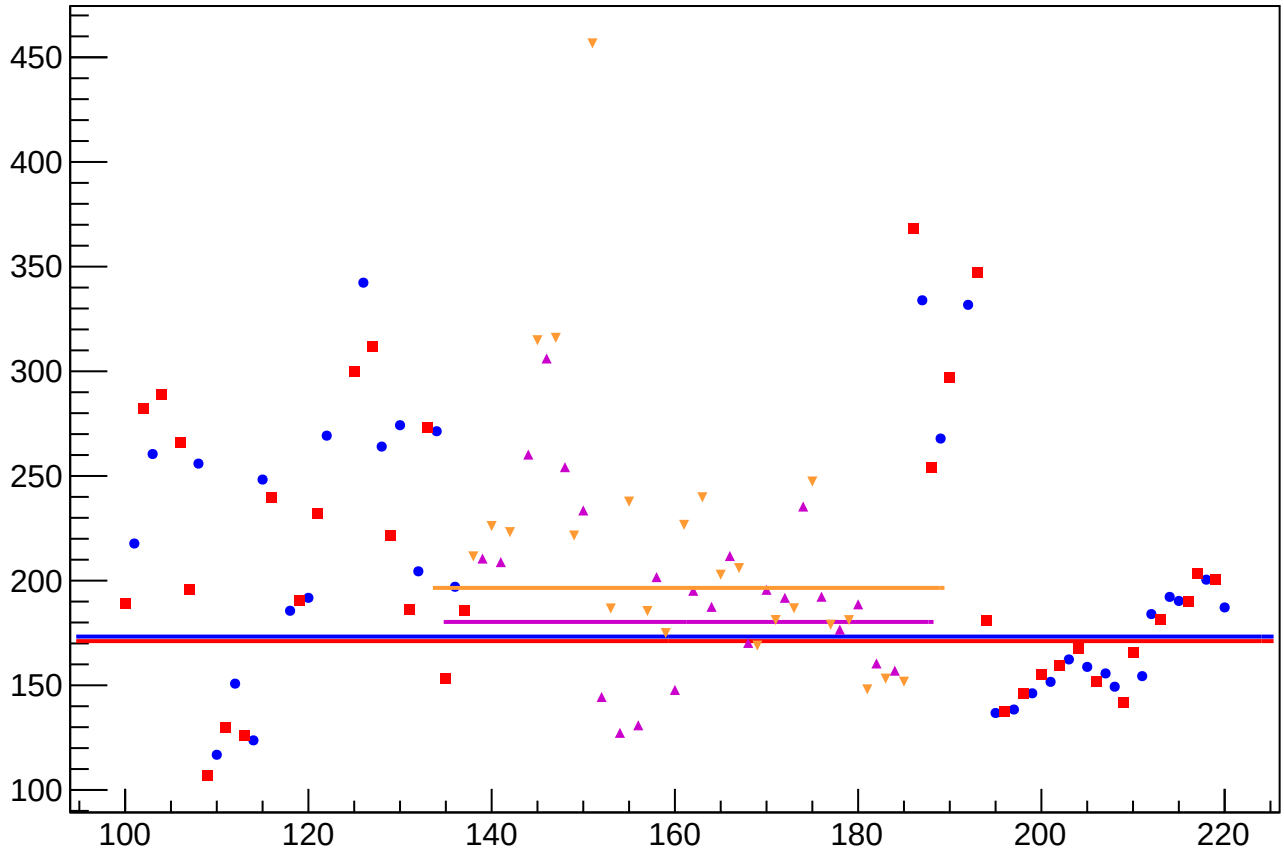
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -247.683+/-27.711 χ^2/NDF: 75.0/67

In: -72.698+/-29.271 χ^2/NDF:75.2/55

Out: -97.537+/-30.177 χ^2/NDF:98.4/58

All: -84.740+/-21.011 χ^2/NDF: 173.9/114



Right In: 173.276+/-0.028 χ^2/NDF: 2383172.5/32

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.115+/-0.028 χ^2/NDF: 2935242.9/34

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

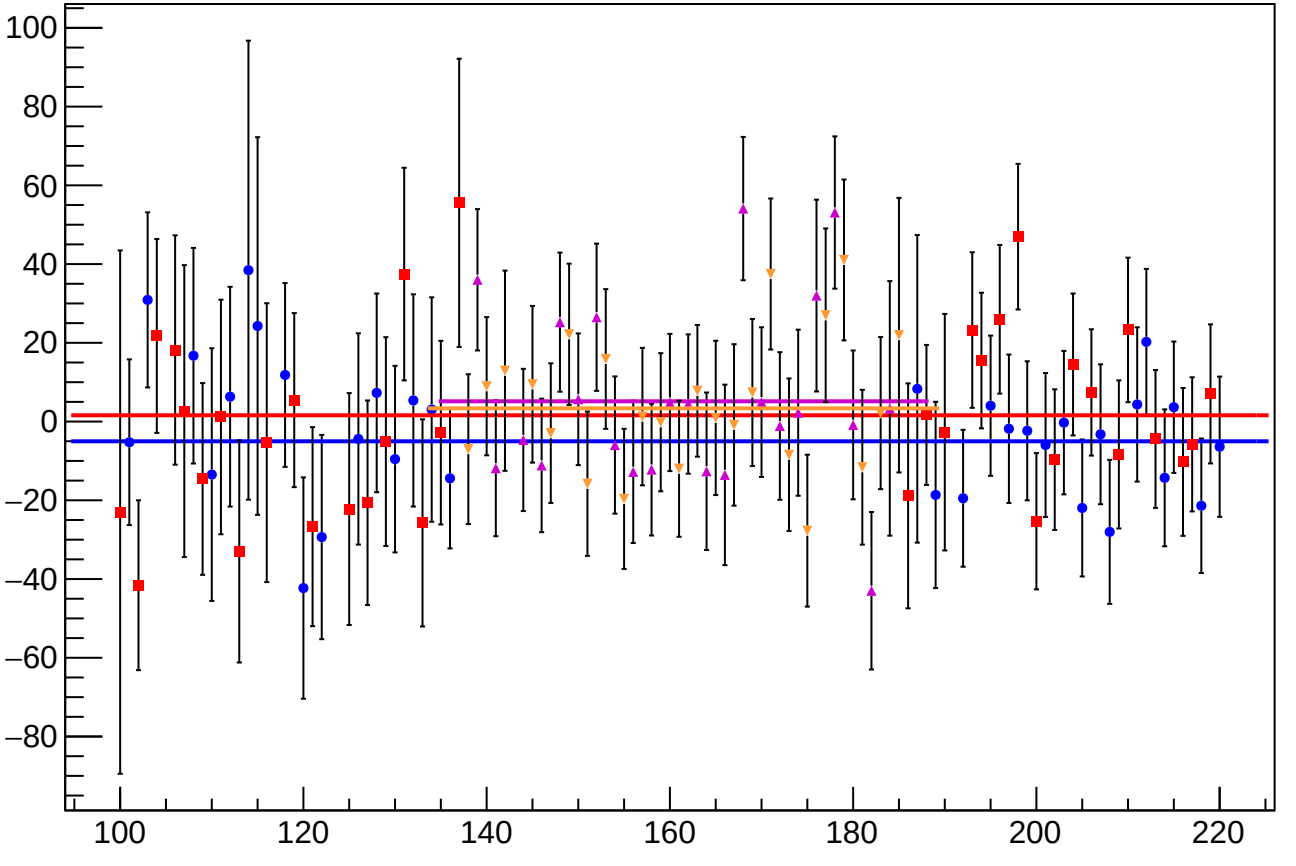
Right: 172.195+/-0.020 χ^2/NDF: 5321456.3/67

In: 176.373+/-0.021 χ^2/NDF:4036054.2/55

Out: 181.454+/-0.021 χ^2/NDF:5005534.2/58

All: 178.836+/-0.015 χ^2/NDF: 9070808.8/114

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -5.013+/-3.699 χ^2/NDF: 16.0/32

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 1.597+/-3.701 χ^2/NDF: 30.9/34

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

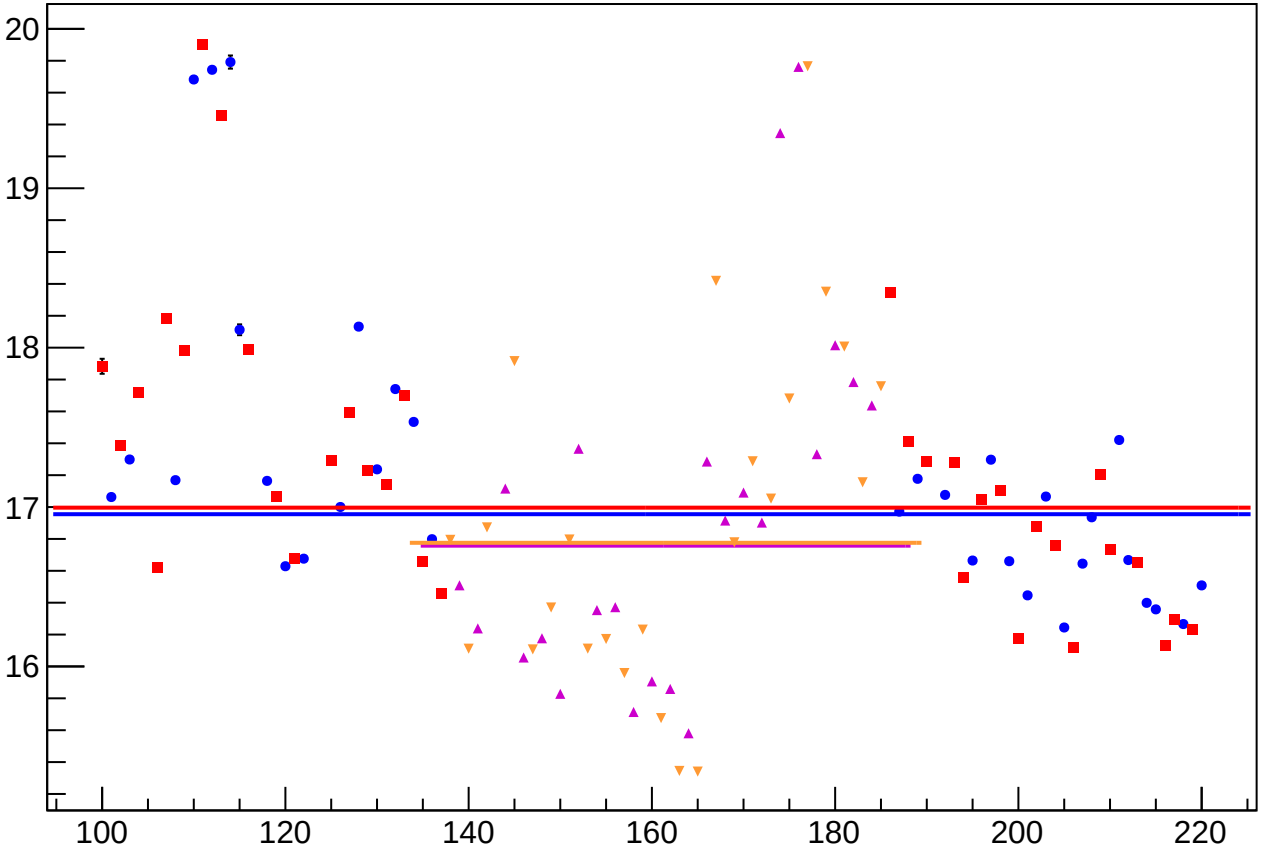
Right: -1.709+/-2.616 χ^2/NDF: 48.5/67

In: -0.230+/-2.692 χ^2/NDF:51.8/55

Out: 2.431+/-2.686 χ^2/NDF:48.7/58

All: 1.103+/-1.901 χ^2/NDF: 101.0/114

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 16.955+/-0.003 χ^2/NDF: 67252.2/32

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 16.996+/-0.003 χ^2/NDF: 79525.4/34

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

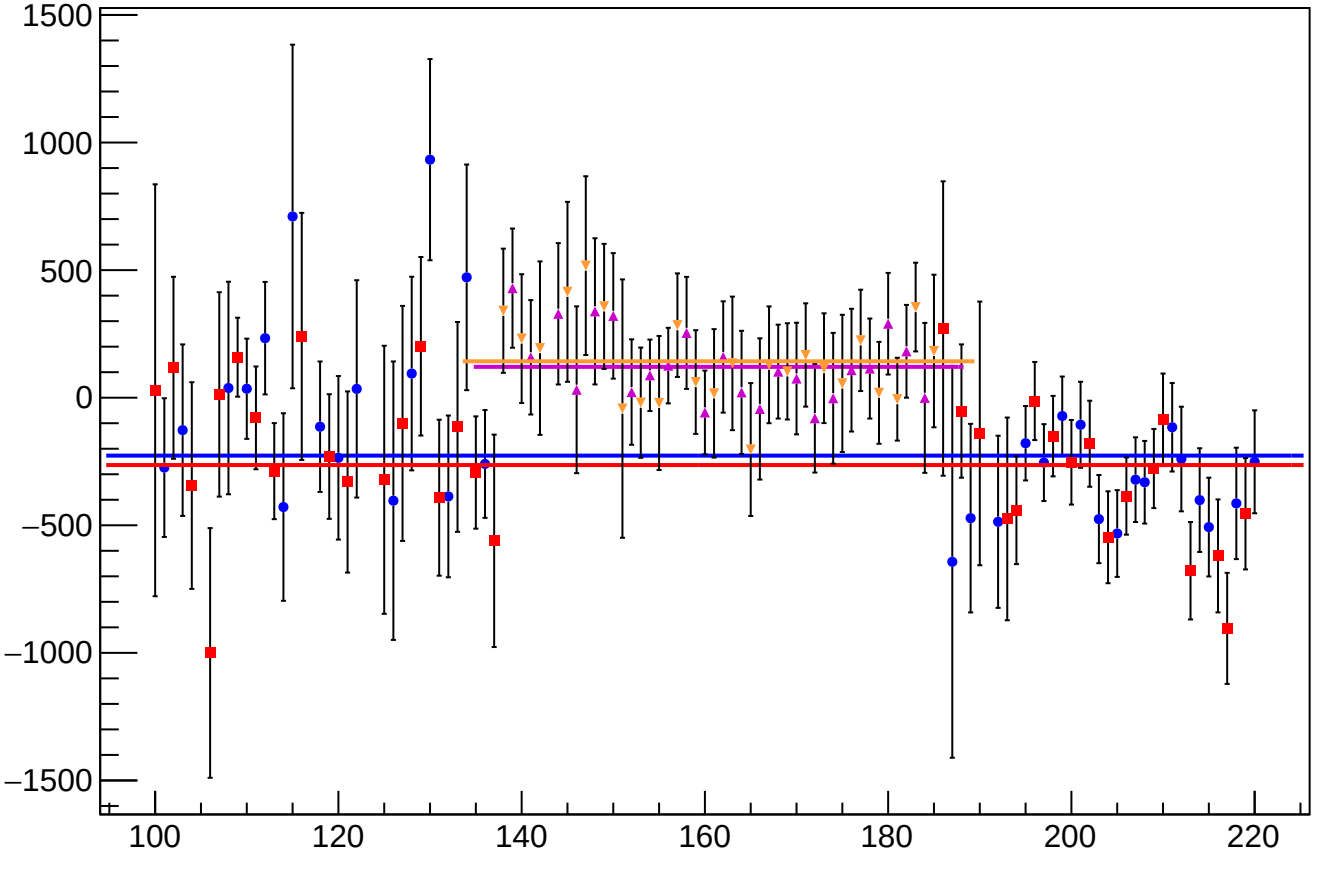
Right: 16.976+/-0.002 χ^2/NDF: 146900.9/67

In: 16.862+/-0.002 χ^2/NDF:193237.8/55

Out: 16.892+/-0.002 χ^2/NDF:219027.9/58

All: 16.877+/-0.001 χ^2/NDF: 412386.9/114

asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -226.975+/-39.195 χ^2/NDF: 34.8/32

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -263.911+/-39.218 χ^2/NDF: 43.1/34

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

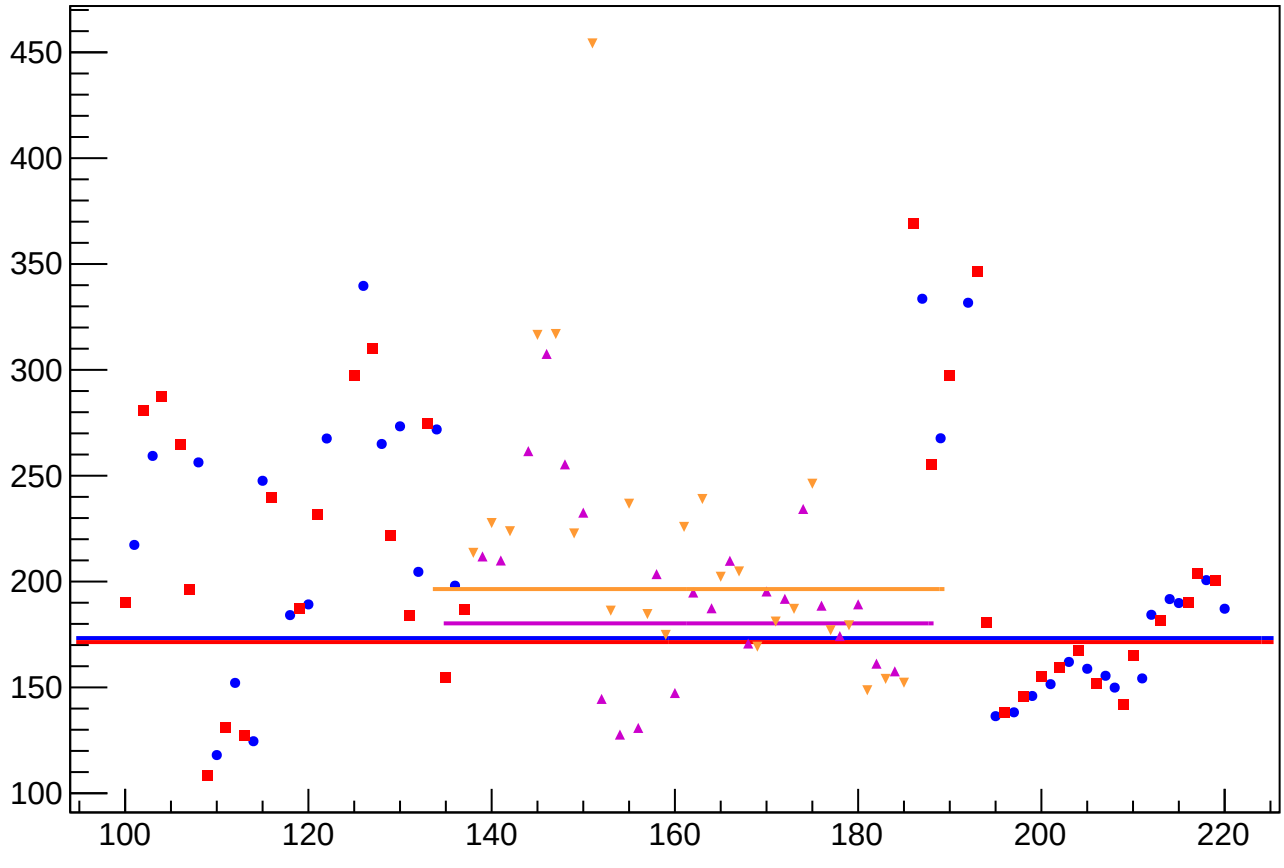
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -245.432+/-27.723 χ^2/NDF: 78.3/67

In: -73.045+/-29.265 χ^2/NDF:77.8/55

Out: -98.209+/-30.187 χ^2/NDF:97.0/58

All: -85.237+/-21.012 χ^2/NDF: 175.2/114



Right In: 173.299+/-0.028 χ^2/NDF: 2364119.0/32

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 171.411+/-0.028 χ^2/NDF: 2883285.9/34

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

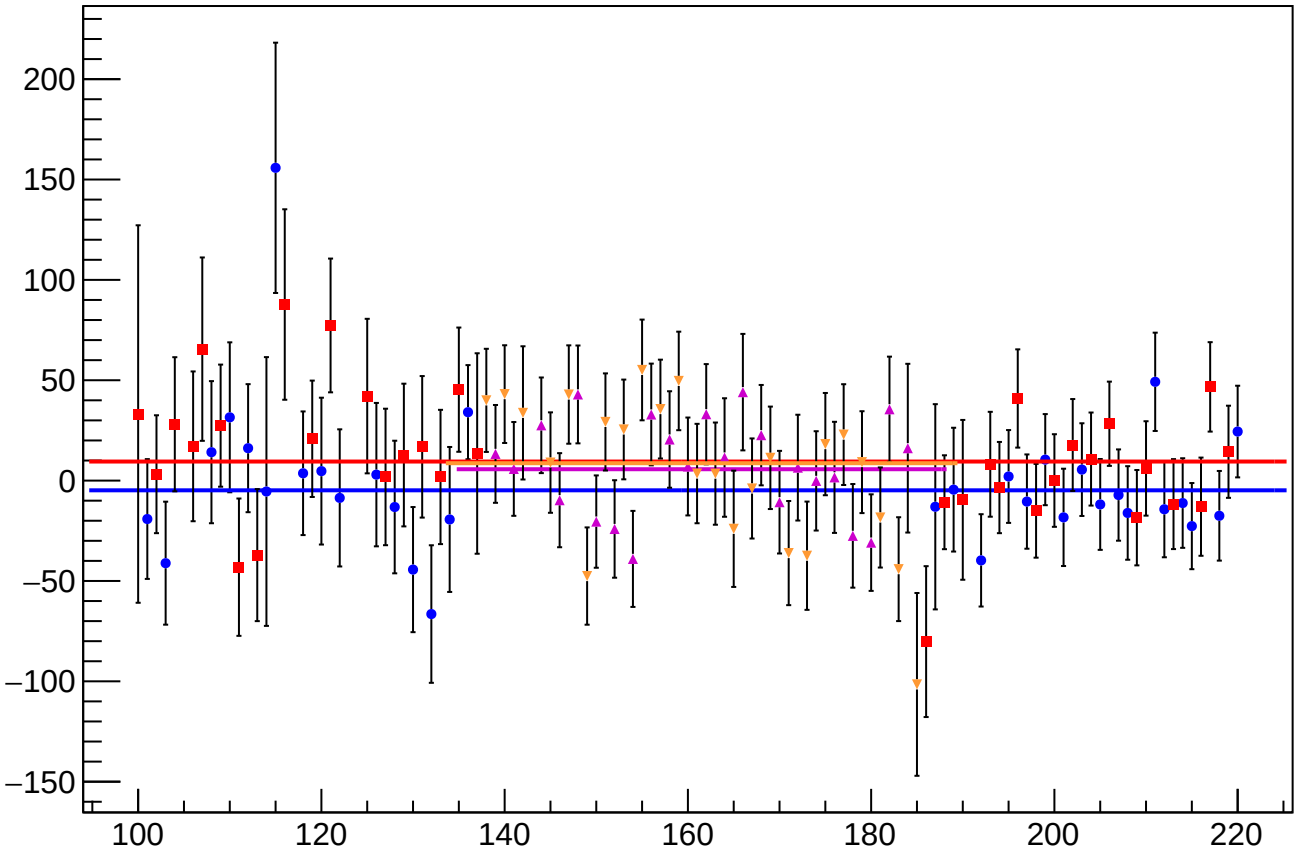
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 172.355+/-0.020 χ^2/NDF: 5249724.2/67

In: 176.374+/-0.021 χ^2/NDF:4019714.3/55

Out: 181.616+/-0.021 χ^2/NDF:4939104.3/58

All: 178.913+/-0.015 χ^2/NDF: 8989905.3/114



Right In: -4.838+/-4.780 χ^2/NDF: 29.5/32

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.499+/-4.801 χ^2/NDF: 32.8/34

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

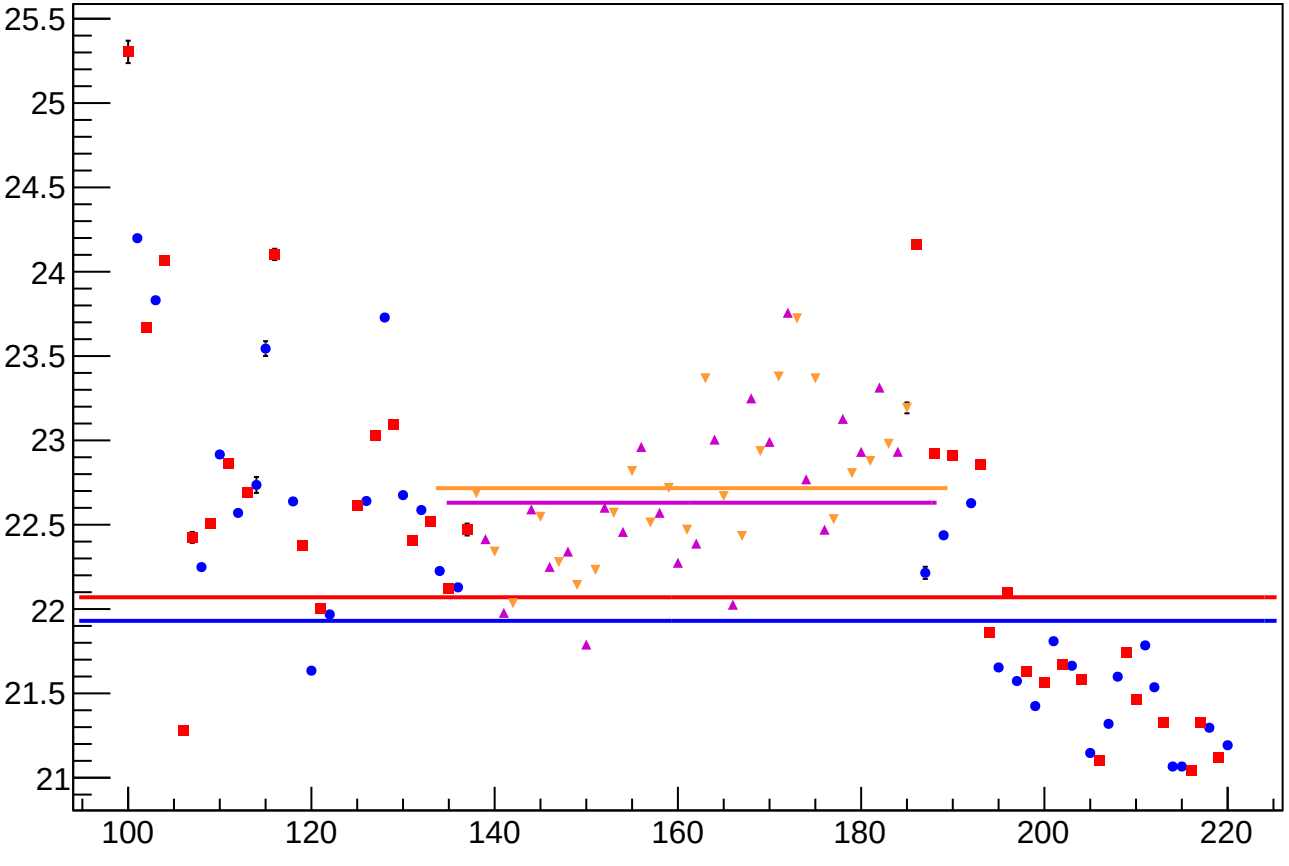
Right: 2.299+/-3.388 χ^2/NDF: 66.8/67

In: -0.112+/-3.546 χ^2/NDF:52.5/55

Out: 9.121+/-3.551 χ^2/NDF:71.9/58

All: 4.498+/-2.509 χ^2/NDF: 127.8/114

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 21.930+/-0.003 χ^2/NDF: 52602.5/32

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.070+/-0.003 χ^2/NDF: 59165.2/34

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

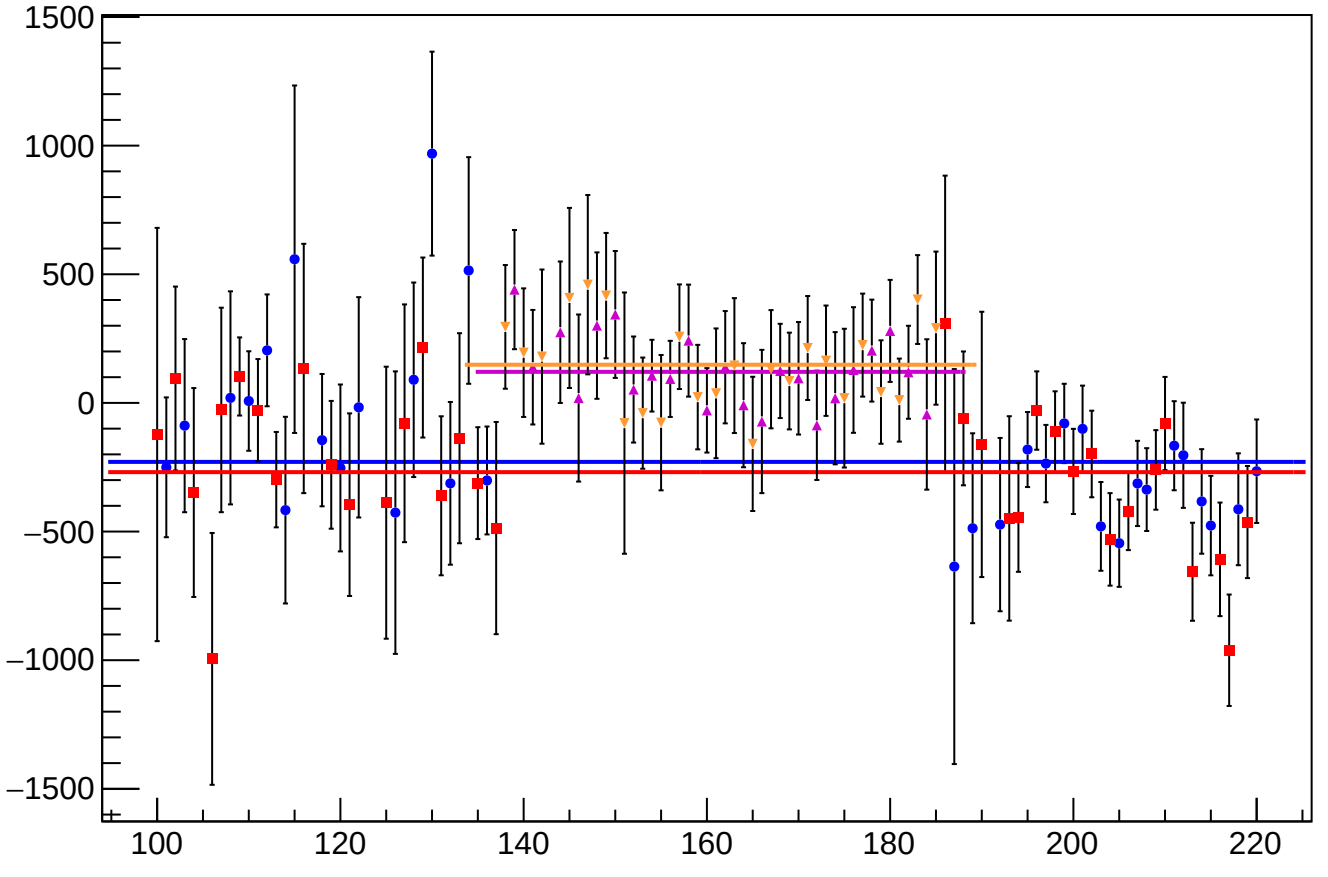
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.000+/-0.002 χ^2/NDF: 112618.3/67

In: 22.245+/-0.003 χ^2/NDF:87306.5/55

Out: 22.363+/-0.003 χ^2/NDF:87802.0/58

All: 22.304+/-0.002 χ^2/NDF: 176211.8/114



Right In: -229.214+/-39.081 χ^2/NDF: 33.3/32

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -269.065+/-39.061 χ^2/NDF: 42.6/34

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

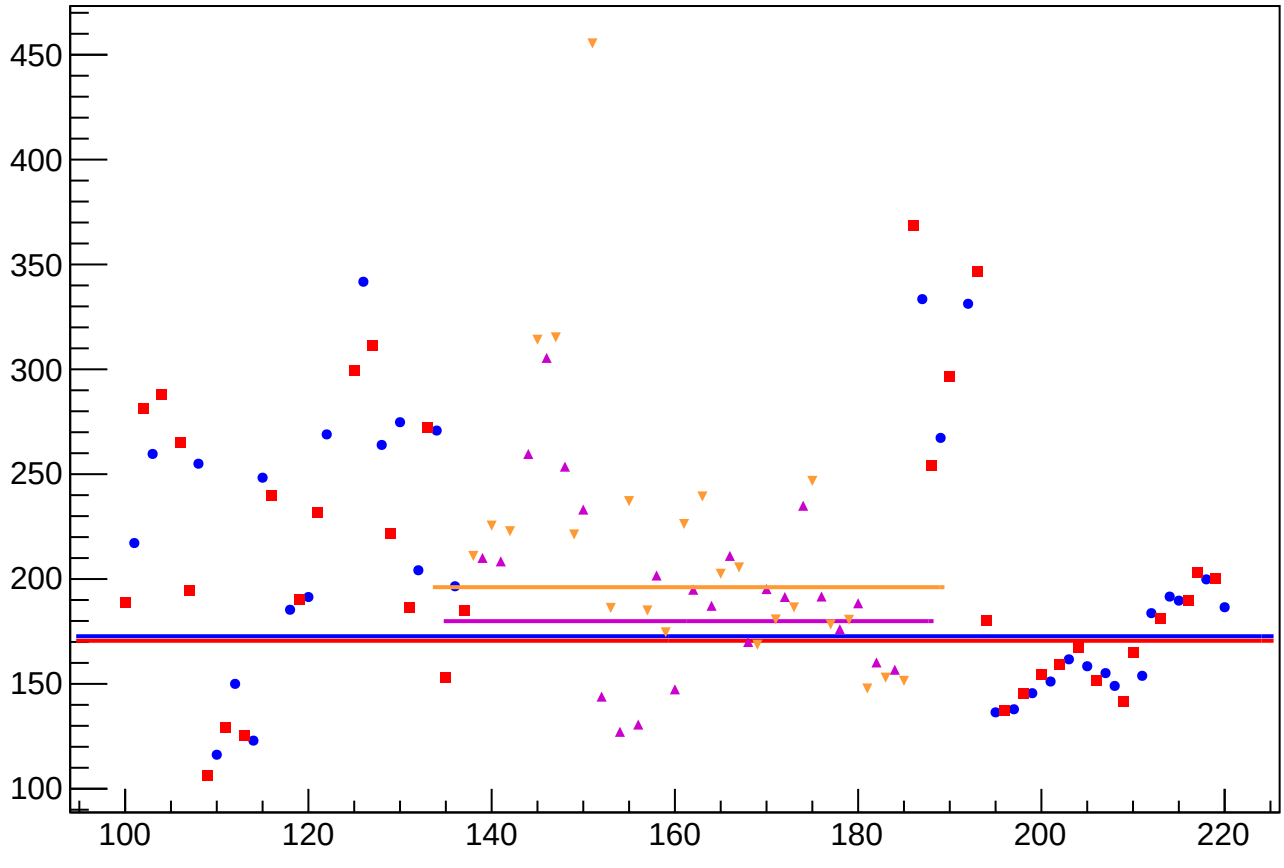
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -249.150+/-27.627 χ^2/NDF: 76.5/67

In: -74.561+/-29.196 χ^2/NDF:76.7/55

Out: -99.420+/-30.096 χ^2/NDF:99.9/58

All: -86.613+/-20.956 χ^2/NDF: 177.0/114



Right In: 172.719+/-0.028 χ^2/NDF: 2396462.9/32

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 170.560+/-0.028 χ^2/NDF: 2954039.6/34

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

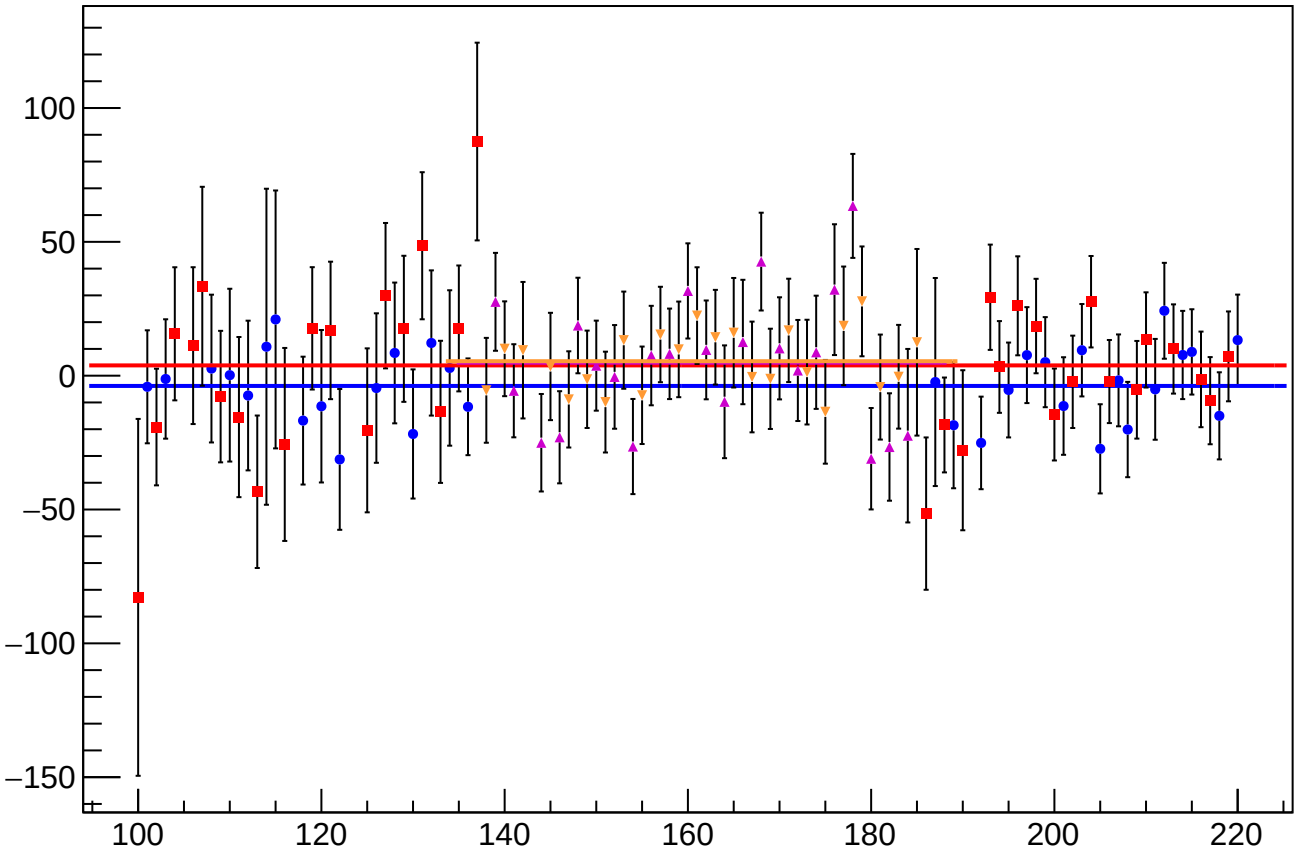
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 171.639+/-0.020 χ^2/NDF: 5353556.8/67

In: 175.903+/-0.021 χ^2/NDF:4050637.5/55

Out: 180.943+/-0.021 χ^2/NDF:5028091.7/58

All: 178.347+/-0.015 χ^2/NDF: 9107627.7/114



Right In: -3.831+/-3.628 χ^2/NDF: 14.5/32

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 3.843+/-3.644 χ^2/NDF: 33.9/34

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

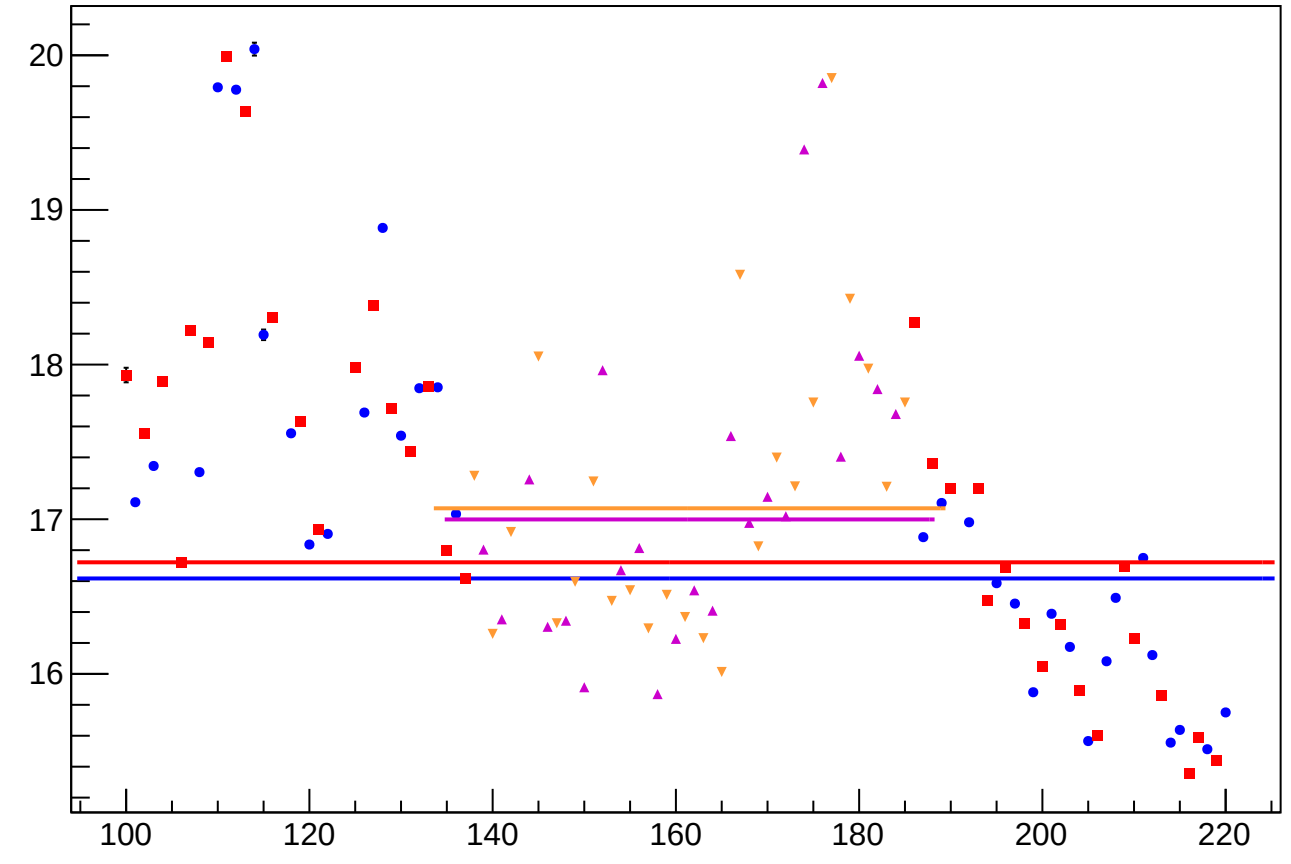
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: -0.011+/-2.571 χ^2/NDF: 50.6/67

In: 0.112+/-2.681 χ^2/NDF:52.7/55

Out: 4.557+/-2.685 χ^2/NDF:41.7/58

All: 2.332+/-1.897 χ^2/NDF: 95.8/114



Right In: 16.617+/-0.003 χ^2/NDF: 140577.7/32

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.721+/-0.003 χ^2/NDF: 159335.3/34

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

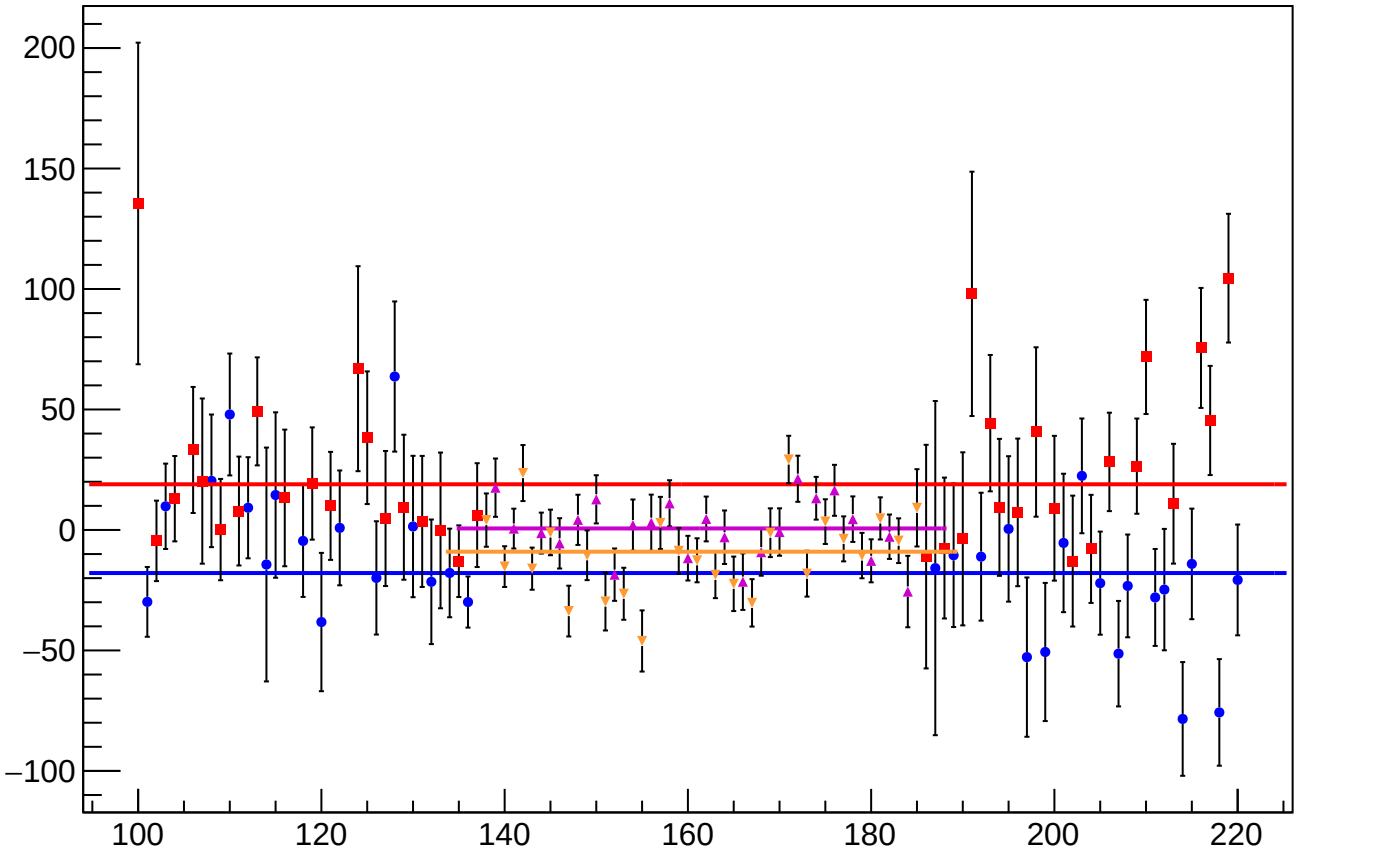
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

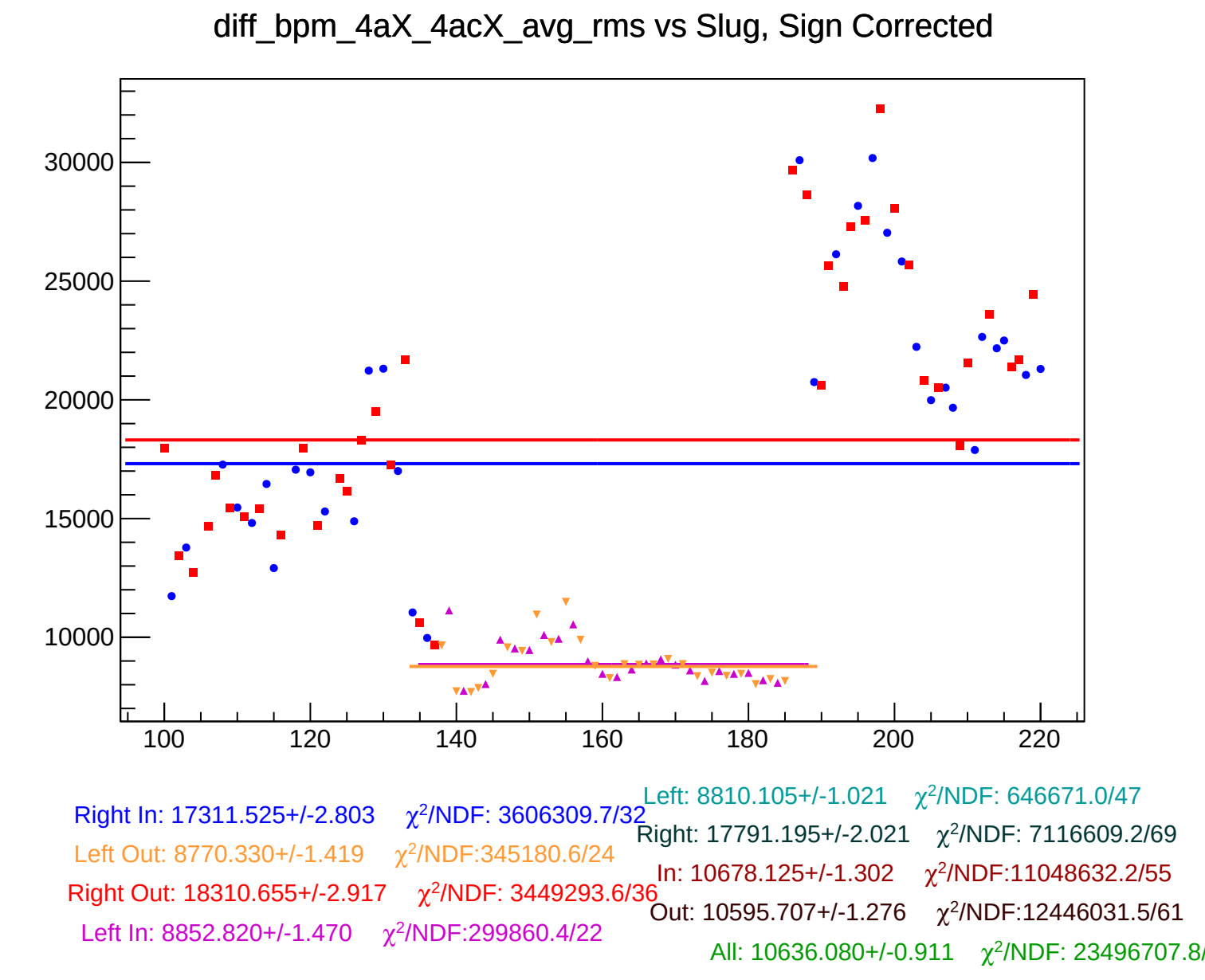
Right: 16.669+/-0.002 χ^2/NDF: 300737.8/67

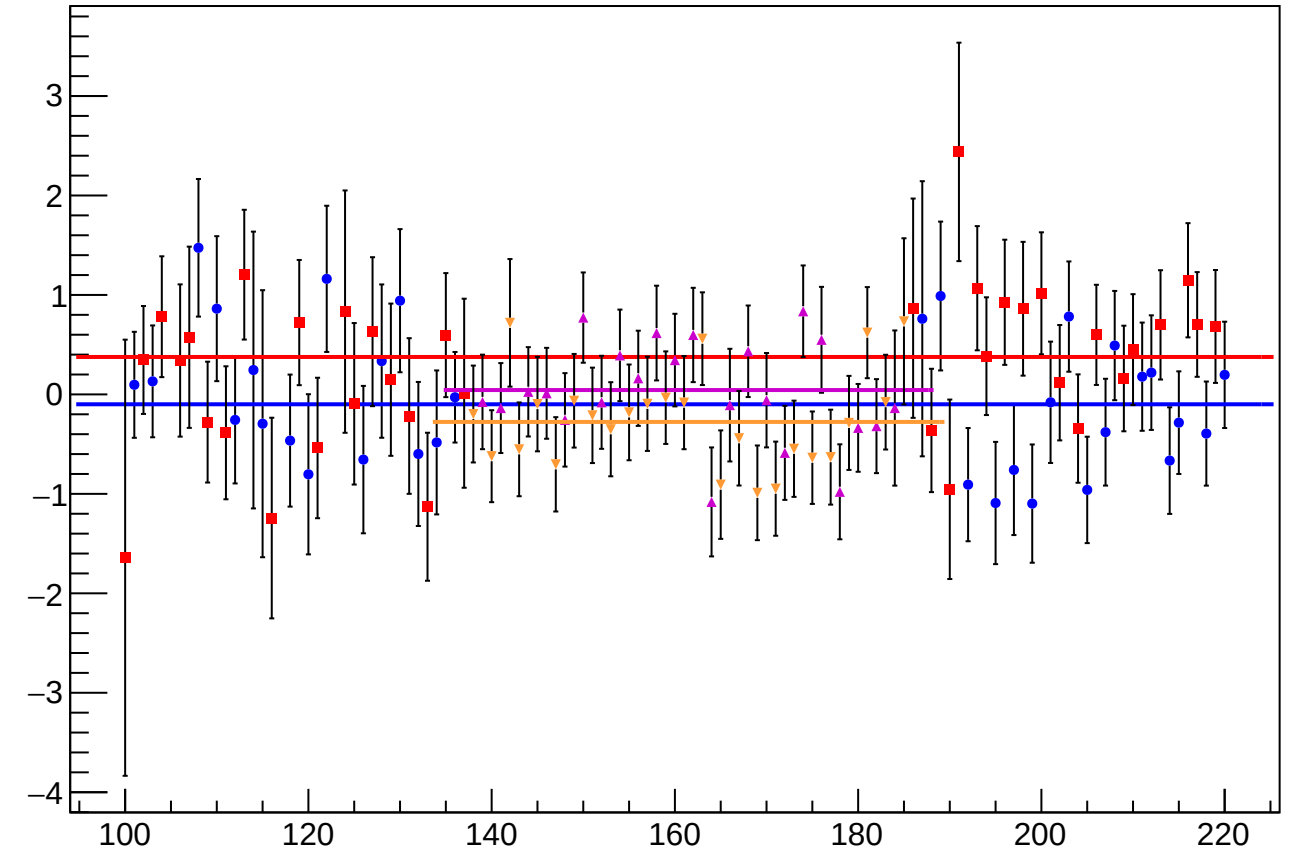
In: 16.790+/-0.002 χ^2/NDF:254642.6/55

Out: 16.881+/-0.002 χ^2/NDF:264042.2/58

All: 16.836+/-0.001 χ^2/NDF: 519830.4/114


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -17.878+/-3.964 χ²/NDF: 46.6/32
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 18.953+/-4.125 χ²/NDF: 46.9/36
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: -0.196+/-2.858 χ²/NDF: 135.0/69
In: -3.366+/-1.841 χ²/NDF:93.2/55
Out: -3.674+/-1.804 χ²/NDF:146.1/61
All: -3.523+/-1.289 χ²/NDF: 239.4/117


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17311.525+/-2.803 χ²/NDF: 3606309.7/32
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 18310.655+/-2.917 χ²/NDF: 3449293.6/36
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 17791.195+/-2.021 χ²/NDF: 7116609.2/69
In: 10678.125+/-1.302 χ²/NDF:11048632.2/55
Out: 10595.707+/-1.276 χ²/NDF:12446031.5/61
All: 10636.080+/-0.911 χ²/NDF: 23496707.8/



Right In: -0.099+/-0.109 χ^2/NDF: 35.1/32

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.376+/-0.110 χ^2/NDF: 31.7/36

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

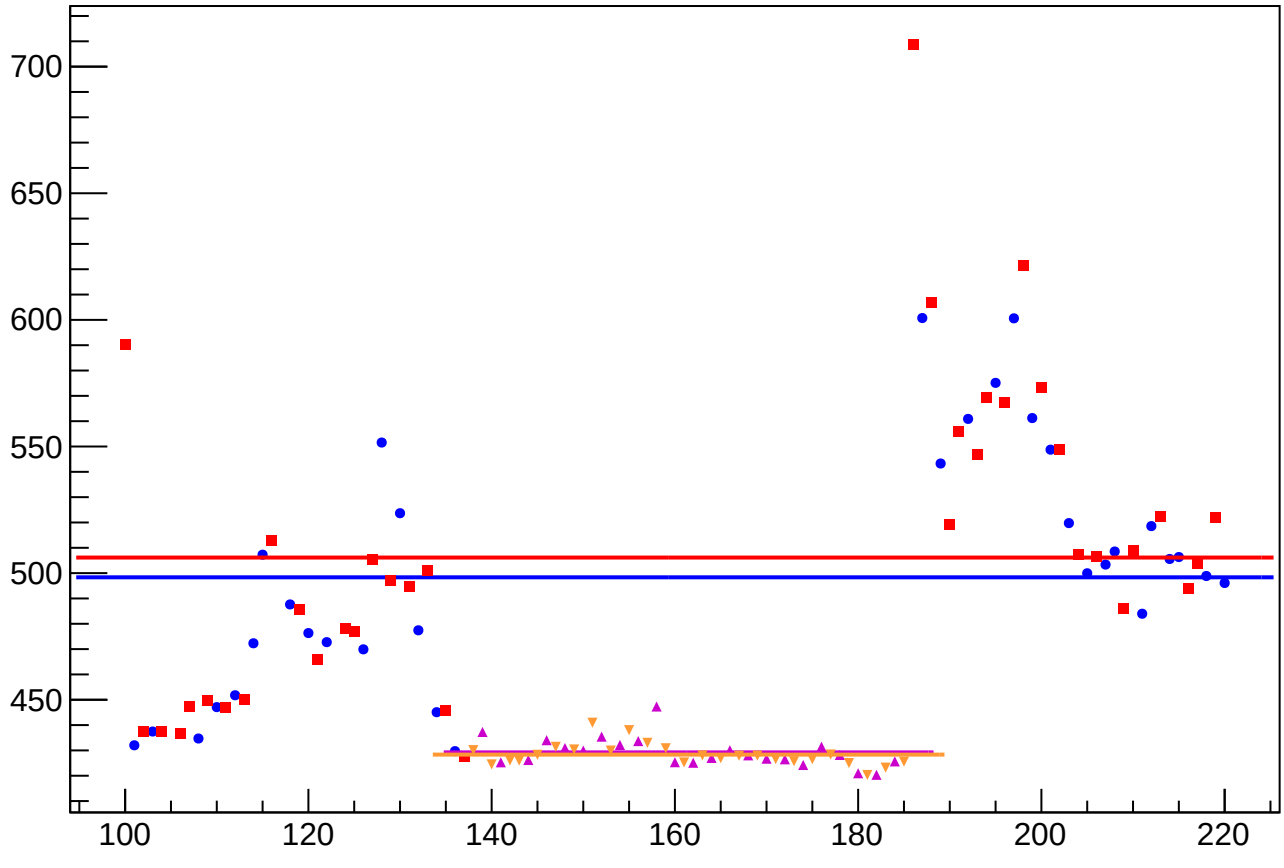
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.137+/-0.077 χ^2/NDF: 76.2/69

In: -0.022+/-0.074 χ^2/NDF:59.8/55

Out: 0.011+/-0.073 χ^2/NDF:72.6/61

All: -0.005+/-0.052 χ^2/NDF: 132.5/117



Right In: 498.350+/-0.077 χ^2/NDF: 336994.2/32

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.155+/-0.078 χ^2/NDF: 454195.0/36

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

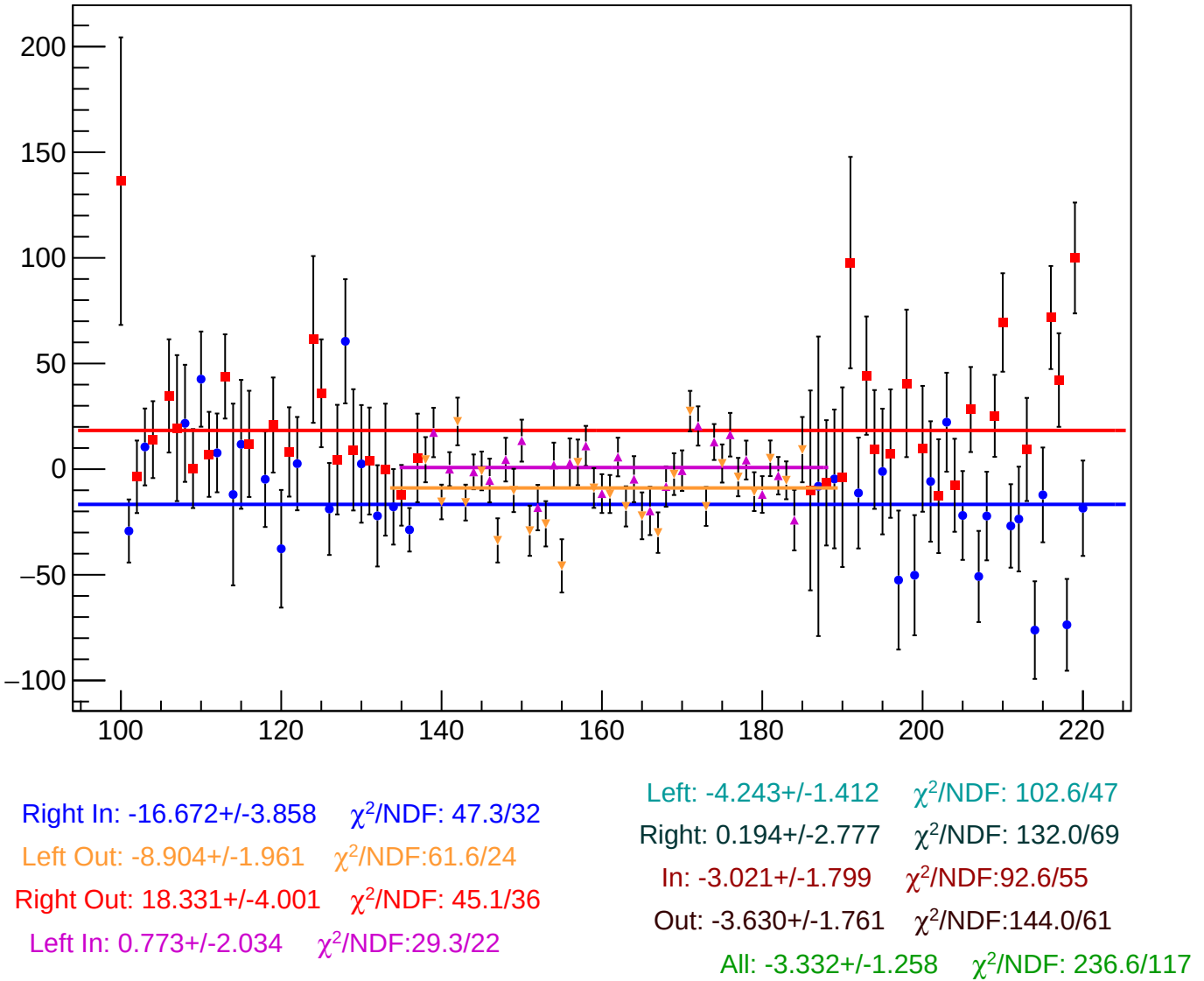
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

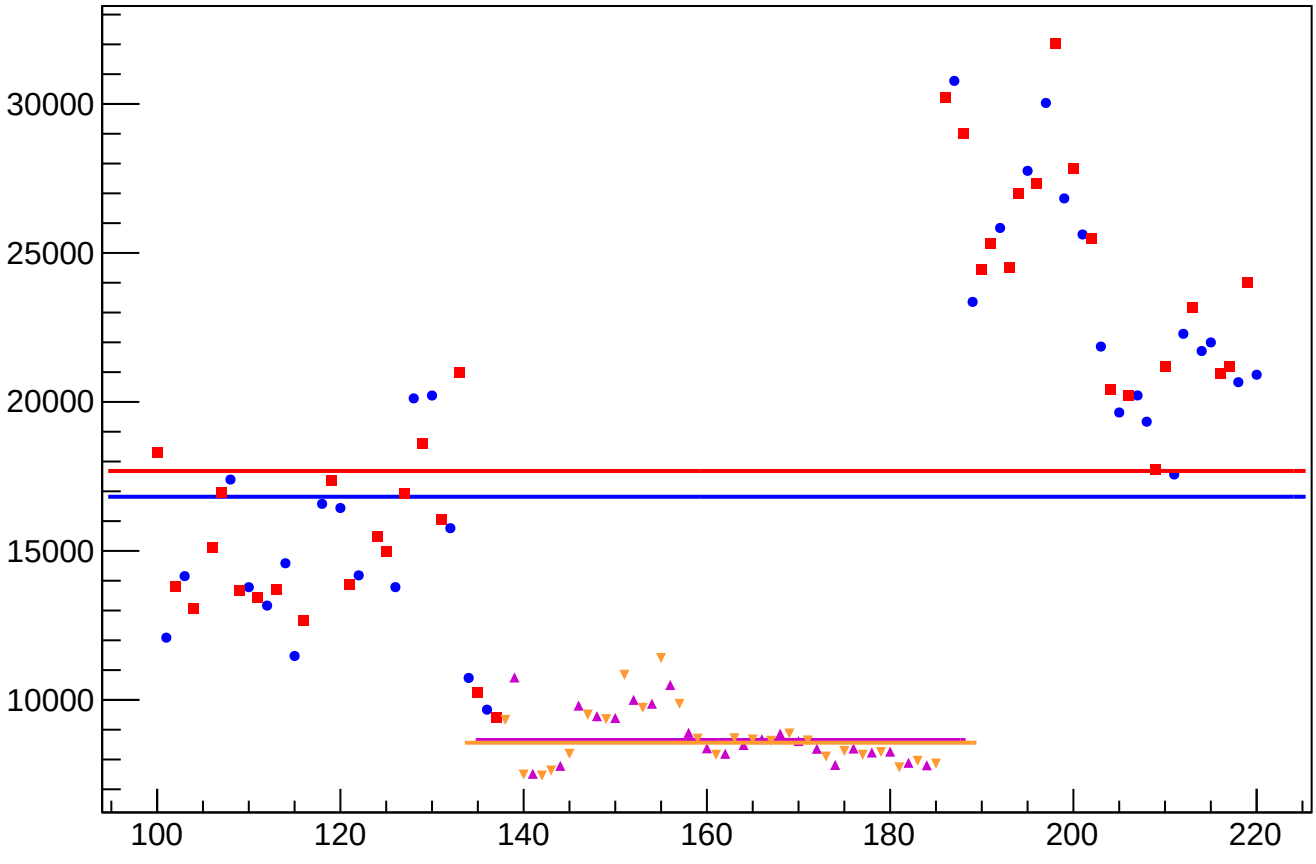
Right: 502.232+/-0.055 χ^2/NDF: 796286.4/69

In: 460.888+/-0.052 χ^2/NDF:779405.8/55

Out: 462.639+/-0.051 χ^2/NDF:1021914.0/61

All: 461.776+/-0.037 χ^2/NDF: 1801890.3/117


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -16.672+/-3.858 χ²/NDF: 47.3/32
Left Out: -8.904+/-1.961 χ²/NDF:61.6/24
Right Out: 18.331+/-4.001 χ²/NDF: 45.1/36
Left In: 0.773+/-2.034 χ²/NDF:29.3/22
Left: -4.243+/-1.412 χ²/NDF: 102.6/47
Right: 0.194+/-2.777 χ²/NDF: 132.0/69
In: -3.021+/-1.799 χ²/NDF:92.6/55
Out: -3.630+/-1.761 χ²/NDF:144.0/61
All: -3.332+/-1.258 χ²/NDF: 236.6/117



Right In: 16817.893+/-2.728 χ^2/NDF: 3803432.6/32

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 17683.320+/-2.829 χ^2/NDF: 3784615.6/36

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

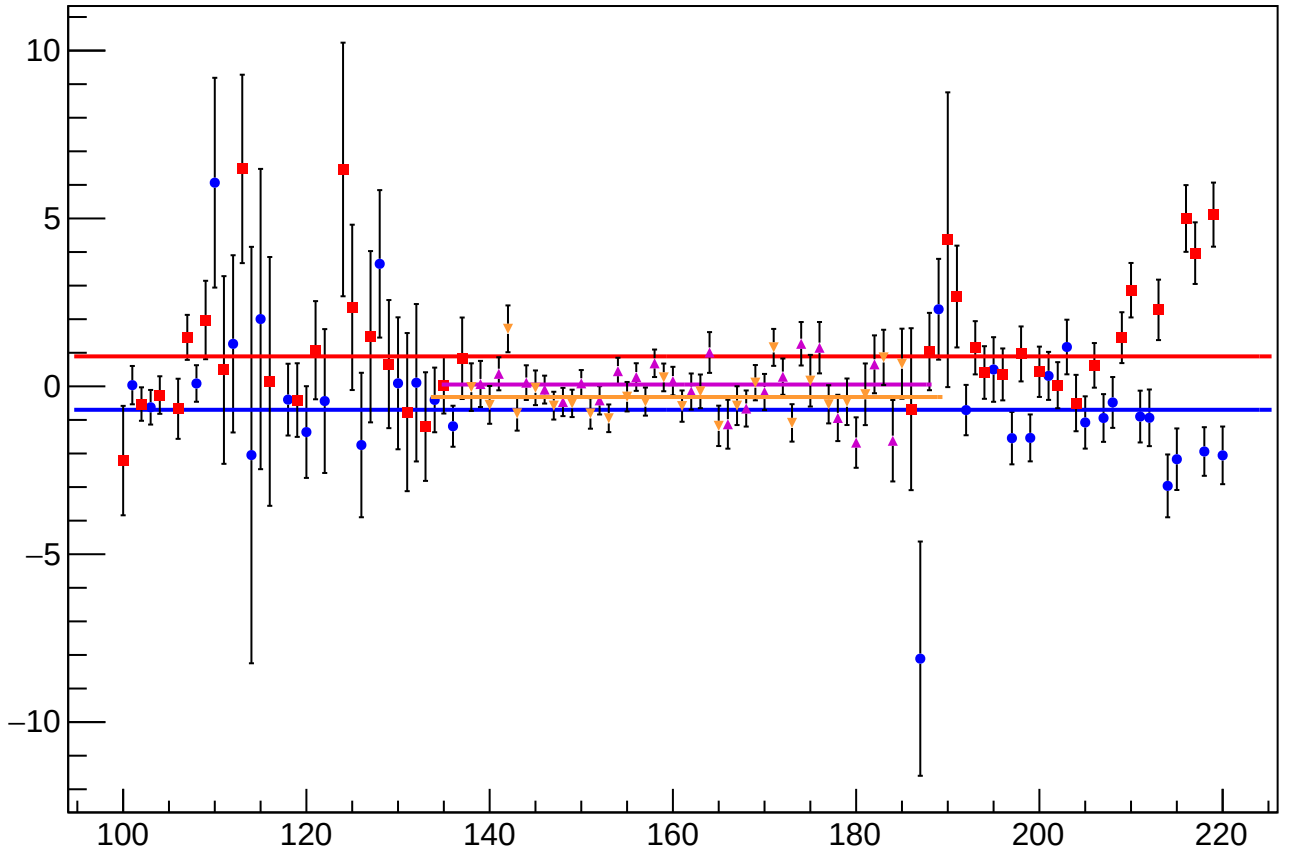
Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

Right: 17234.898+/-1.964 χ^2/NDF: 7636532.2/69

In: 10429.521+/-1.272 χ^2/NDF:11155463.8/55

Out: 10330.444+/-1.245 χ^2/NDF:12562127.5/61

All: 10378.913+/-0.890 χ^2/NDF: 23720689.1



Right In: -0.698+/-0.155 χ^2/NDF: 49.3/32

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.892+/-0.158 χ^2/NDF: 96.8/36

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

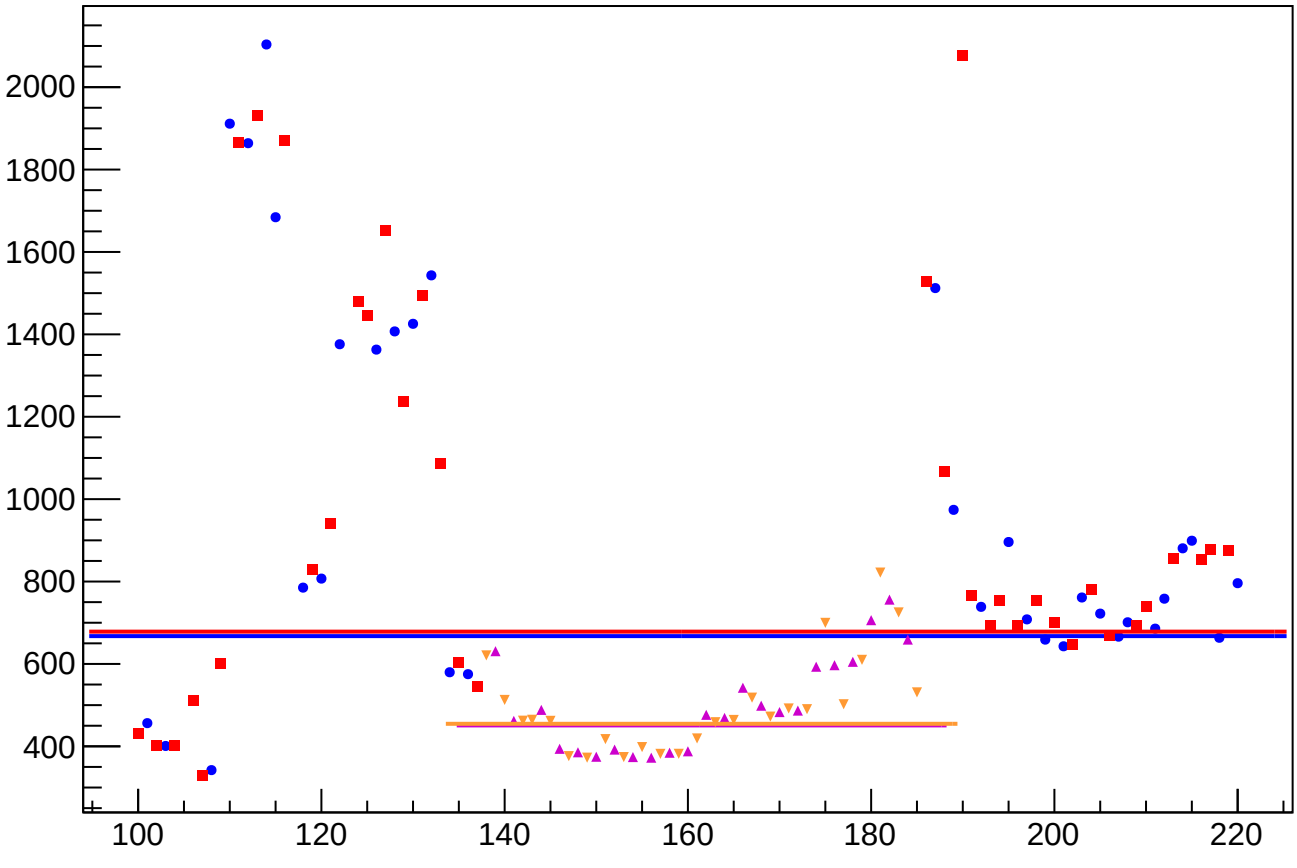
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.083+/-0.111 χ^2/NDF: 197.5/69

In: -0.191+/-0.089 χ^2/NDF:94.9/55

Out: 0.057+/-0.088 χ^2/NDF:169.4/61

All: -0.066+/-0.063 χ^2/NDF: 268.3/117



Right In: 667.522+/-0.110 χ^2/NDF: 4479988.9/32

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 678.413+/-0.112 χ^2/NDF: 5090149.0/36

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

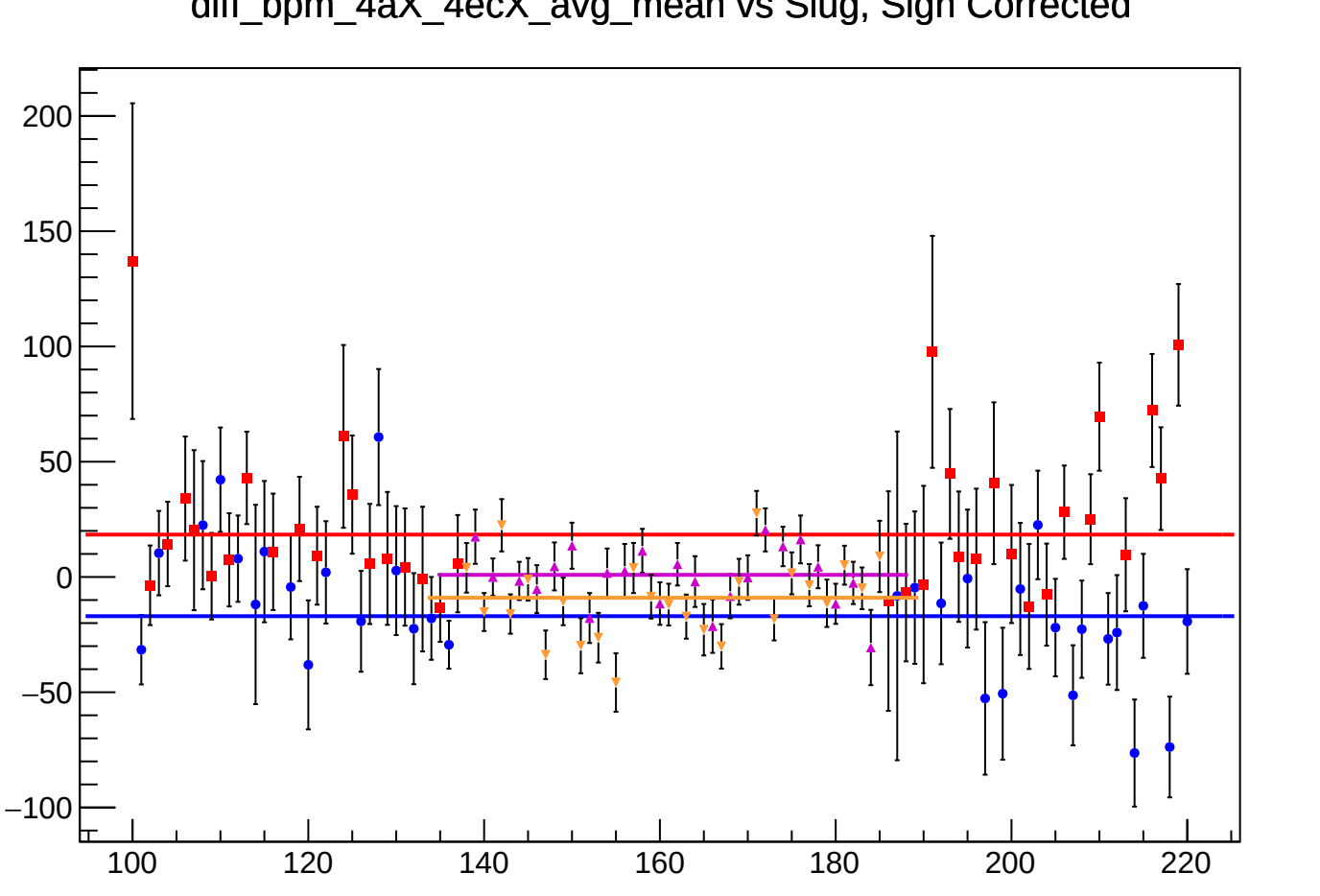
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

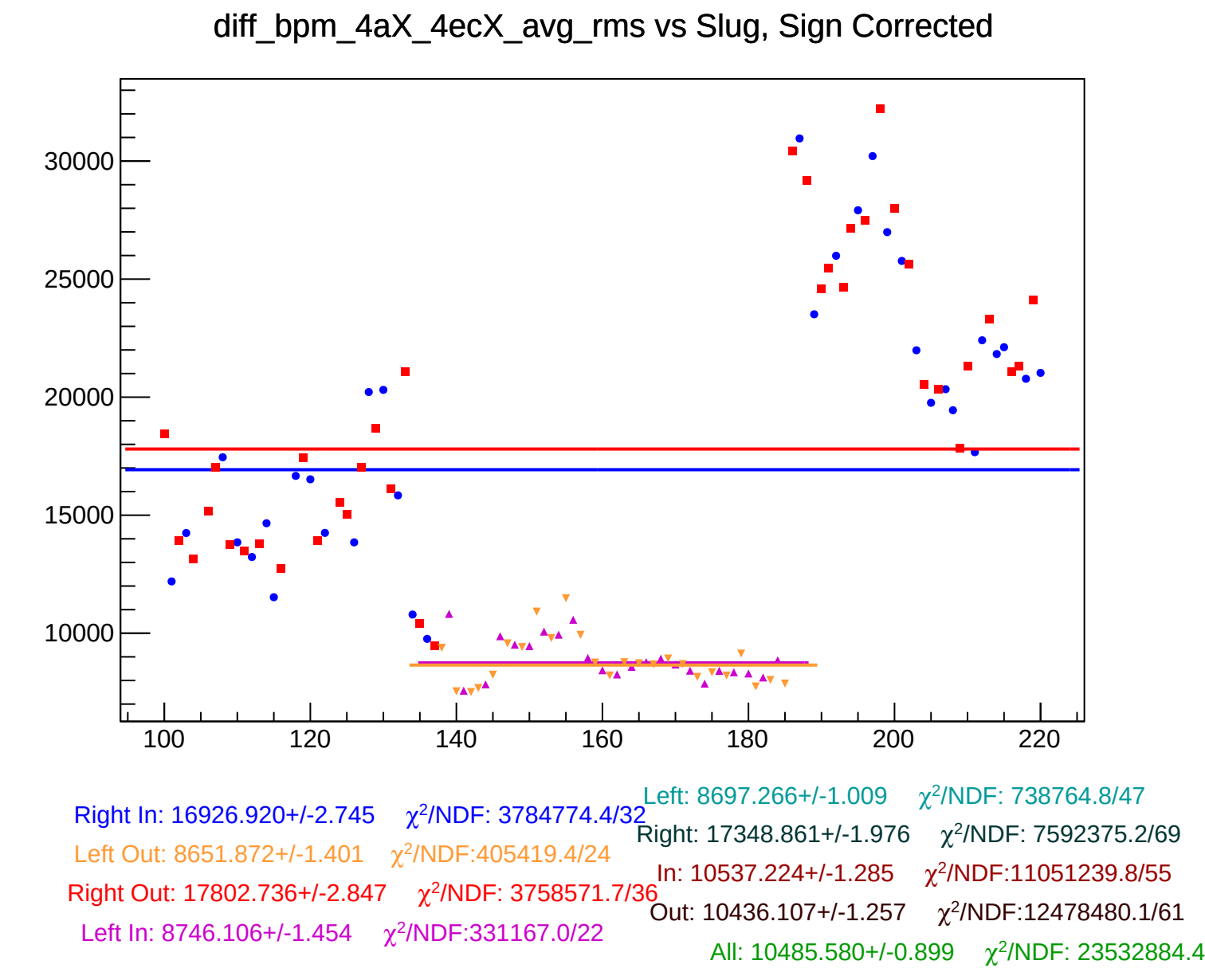
Right: 672.870+/-0.078 χ^2/NDF: 9574958.6/69

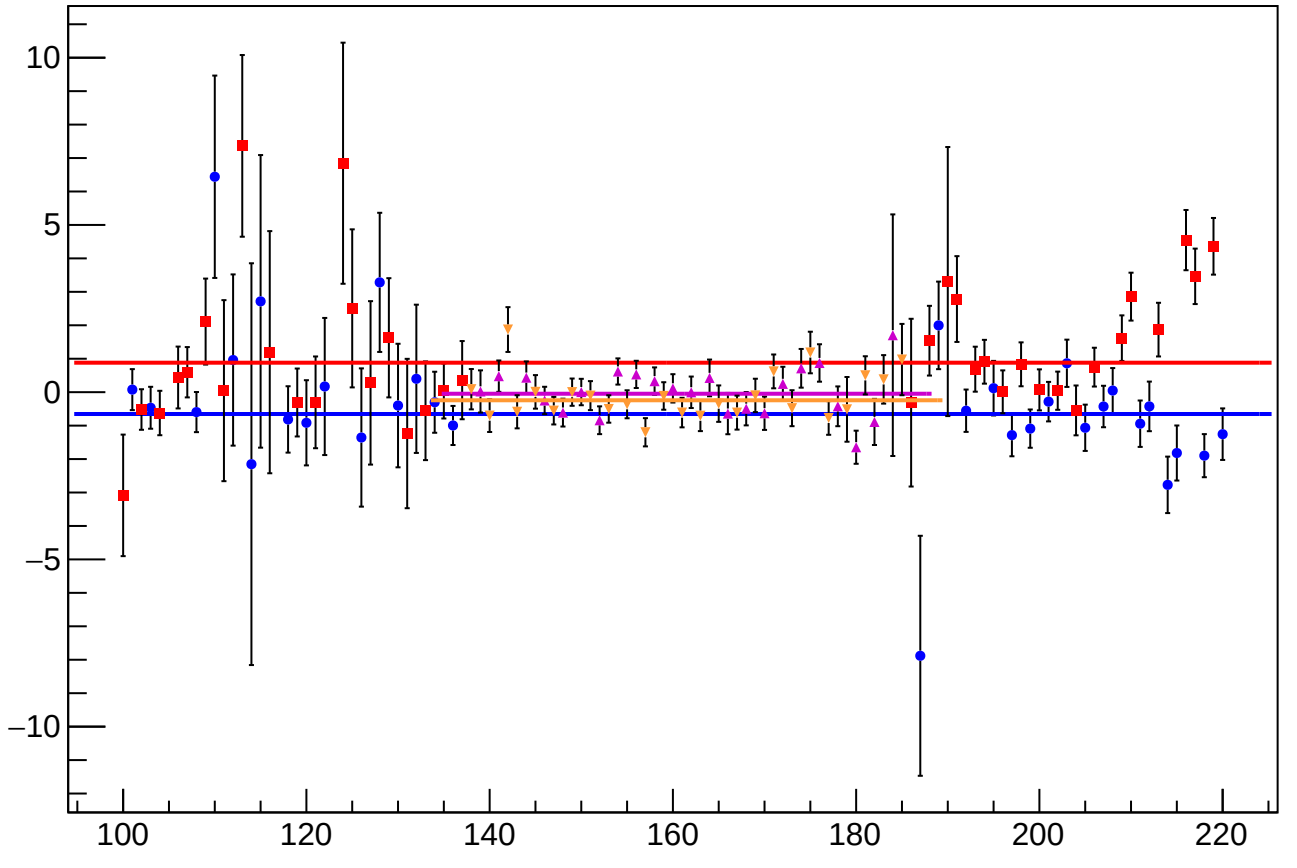
In: 521.447+/-0.063 χ^2/NDF:8571763.2/55

Out: 523.956+/-0.062 χ^2/NDF:9300730.8/61

All: 522.712+/-0.044 χ^2/NDF: 17873299.0/11


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -17.001+/-3.883 χ²/NDF: 47.5/32
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 18.388+/-4.027 χ²/NDF: 44.9/36
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: 0.049+/-2.795 χ²/NDF: 132.4/69
In: -2.999+/-1.817 χ²/NDF:94.0/55
Out: -3.660+/-1.778 χ²/NDF:143.4/61
All: -3.337+/-1.271 χ²/NDF: 237.5/117


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16926.920+/-2.745 χ²/NDF: 3784774.4/32
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 17802.736+/-2.847 χ²/NDF: 3758571.7/36
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 17348.861+/-1.976 χ²/NDF: 7592375.2/69
In: 10537.224+/-1.285 χ²/NDF:11051239.8/55
Out: 10436.107+/-1.257 χ²/NDF:12478480.1/61
All: 10485.580+/-0.899 χ²/NDF: 23532884.4



Right In: -0.653+/-0.144 χ^2/NDF: 42.9/32

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.881+/-0.148 χ^2/NDF: 97.2/36

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

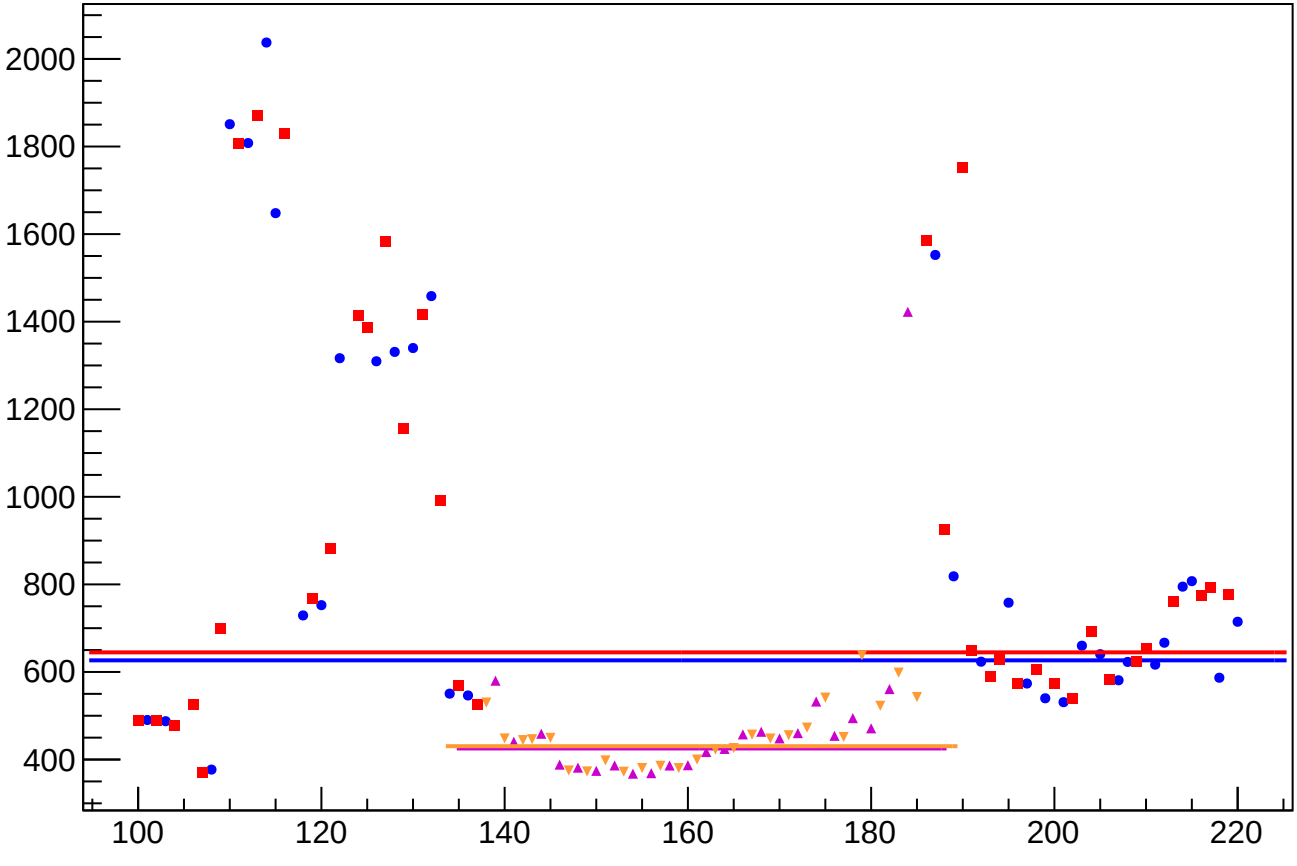
Right: 0.093+/-0.103 χ^2/NDF: 195.1/69

In: -0.248+/-0.083 χ^2/NDF:89.7/55

Out: 0.111+/-0.083 χ^2/NDF:170.9/61

All: -0.069+/-0.059 χ^2/NDF: 270.0/117

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 626.533+/-0.102 χ^2/NDF: 3435813.3/32

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 644.768+/-0.105 χ^2/NDF: 3743099.2/36

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

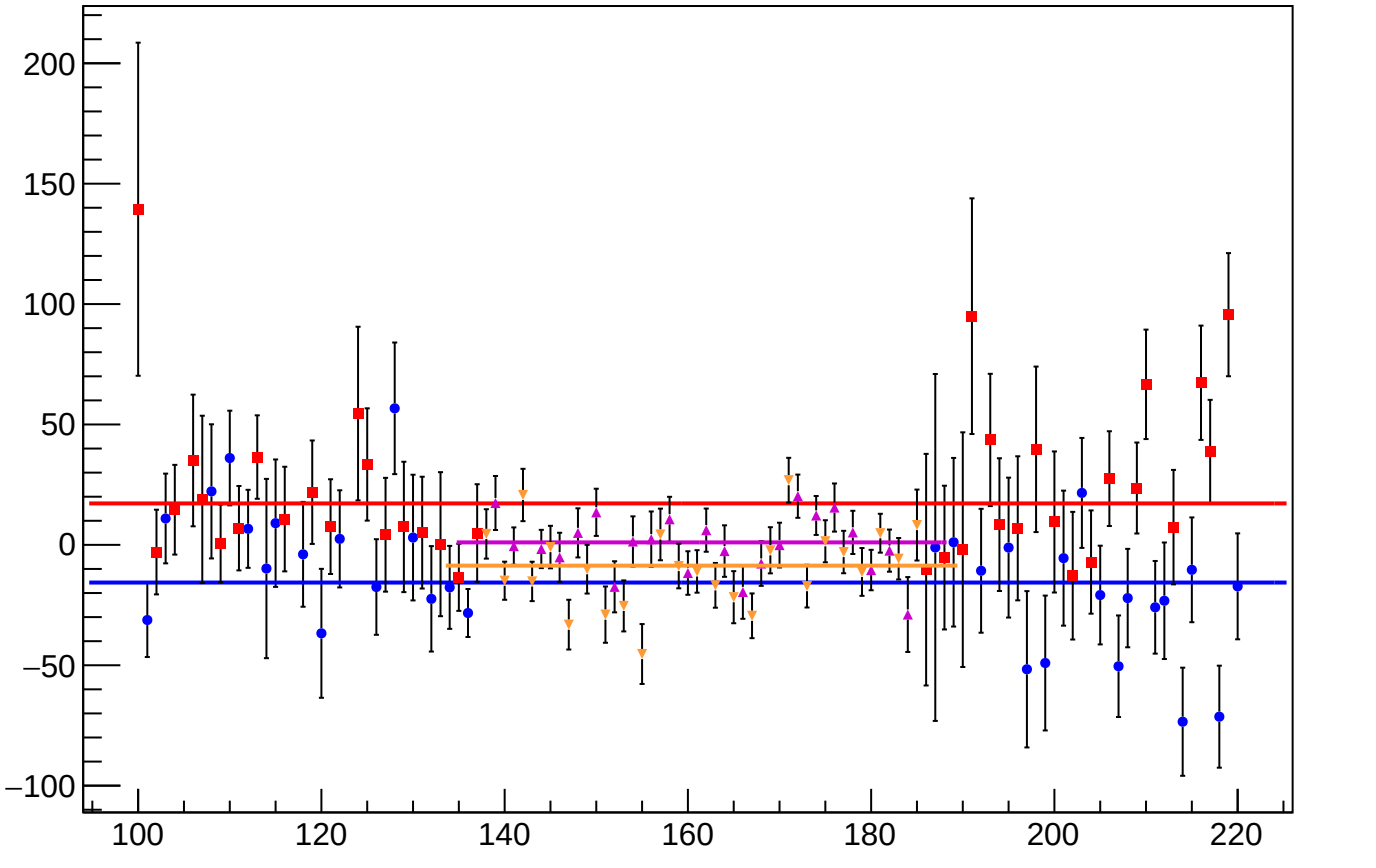
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

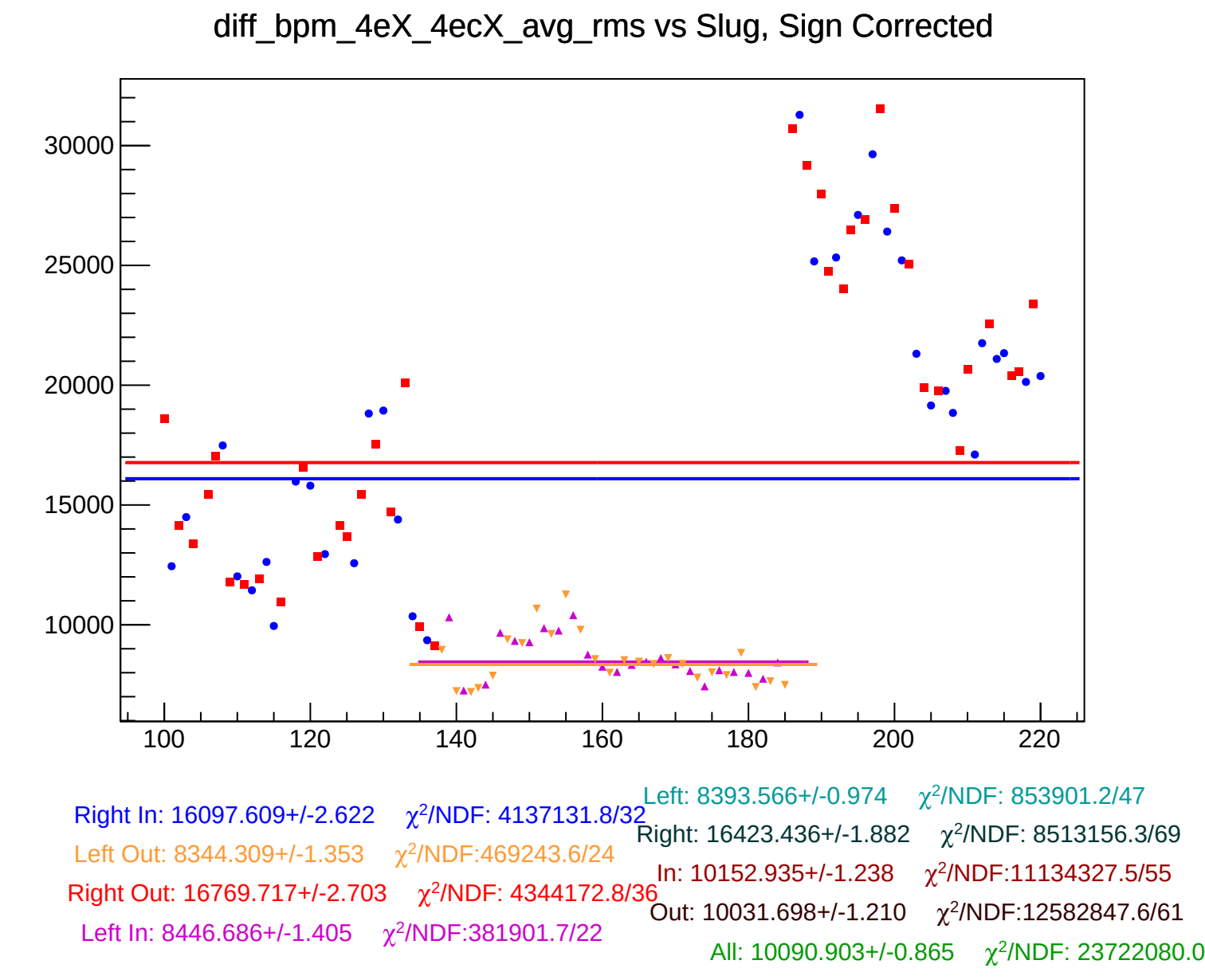
Right: 635.401+/-0.073 χ^2/NDF: 7194483.3/69

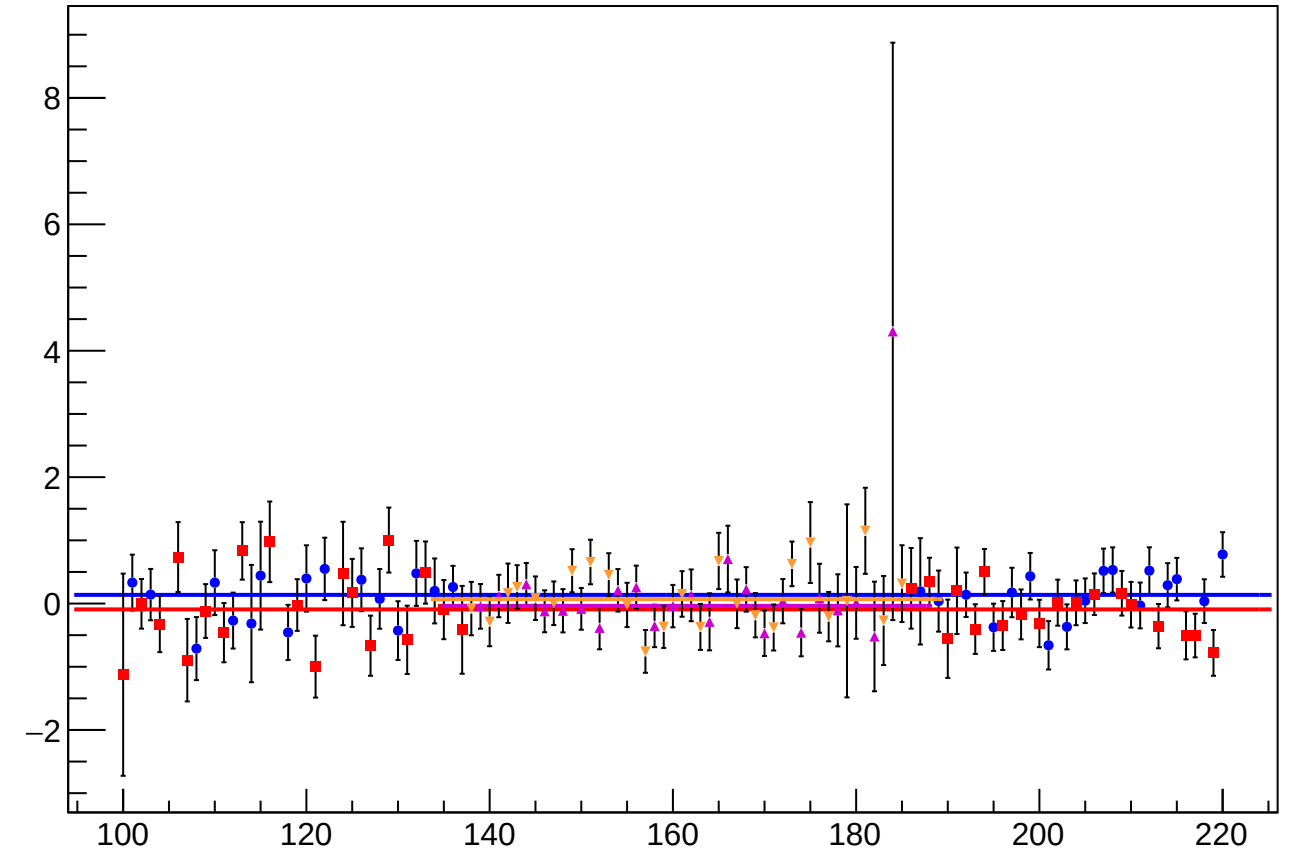
In: 492.102+/-0.059 χ^2/NDF:6757495.8/55

Out: 497.736+/-0.059 χ^2/NDF:7263996.1/61

All: 494.920+/-0.042 χ^2/NDF: 14026097.0/1


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -15.648+/-3.708 χ²/NDF: 48.5/32
Left Out: -8.623+/-1.913 χ²/NDF:61.6/24
Right Out: 17.212+/-3.823 χ²/NDF: 43.6/36
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 0.282+/-2.662 χ²/NDF: 130.2/69
In: -2.692+/-1.751 χ²/NDF:94.0/55
Out: -3.449+/-1.711 χ²/NDF:141.8/61
All: -3.079+/-1.224 χ²/NDF: 235.8/117


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16097.609+/-2.622 χ²/NDF: 4137131.8/32
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 16769.717+/-2.703 χ²/NDF: 4344172.8/36
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16423.436+/-1.882 χ²/NDF: 8513156.3/69
In: 10152.935+/-1.238 χ²/NDF:11134327.5/55
Out: 10031.698+/-1.210 χ²/NDF:12582847.6/61
All: 10090.903+/-0.865 χ²/NDF: 23722080.0



Right In: 0.137+/-0.072 χ^2/NDF: 26.4/32

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.092+/-0.072 χ^2/NDF: 39.3/36

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

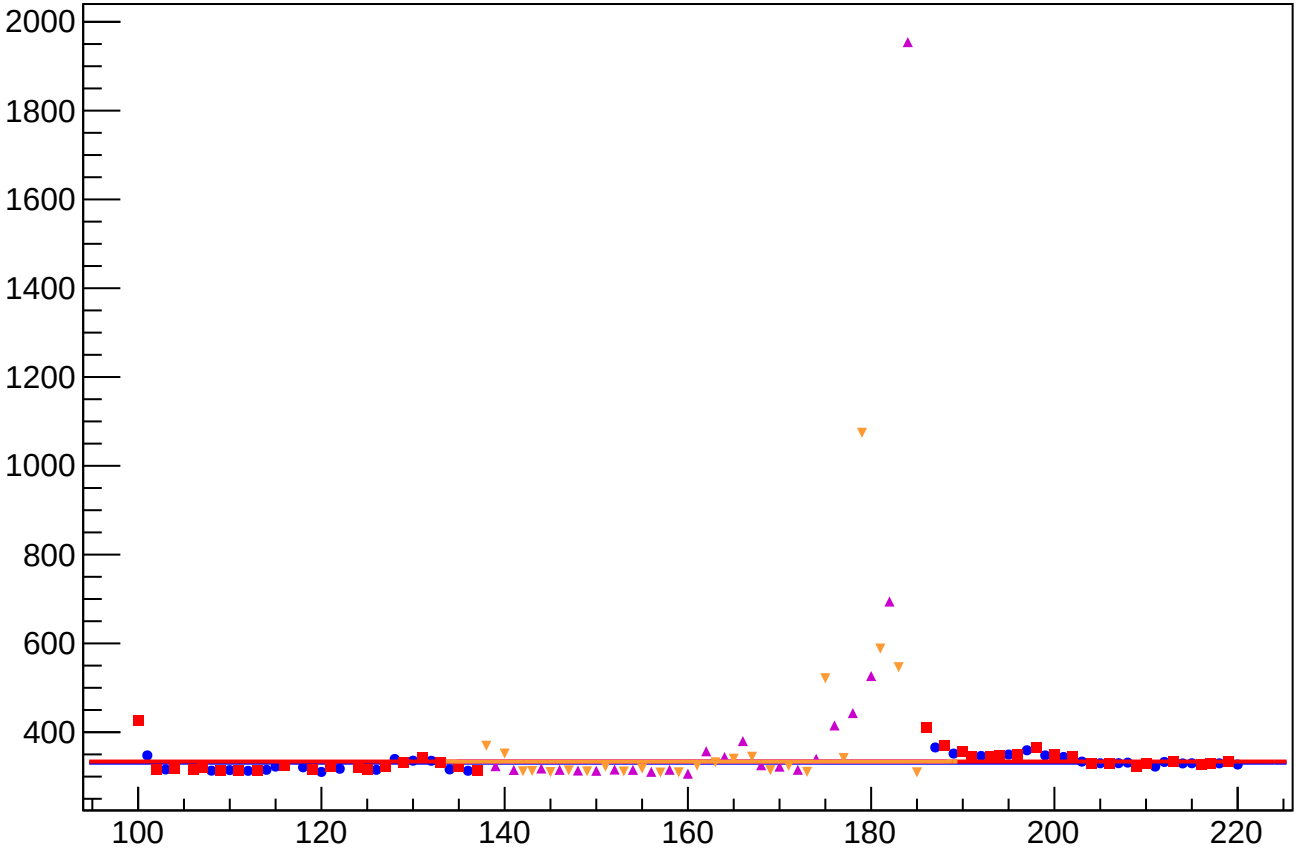
Right: 0.022+/-0.051 χ^2/NDF: 70.7/69

In: 0.060+/-0.054 χ^2/NDF:40.6/55

Out: -0.019+/-0.053 χ^2/NDF:69.8/61

All: 0.020+/-0.038 χ^2/NDF: 111.5/117

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 331.296+/-0.051 χ^2/NDF: 64651.8/32

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 333.934+/-0.051 χ^2/NDF: 119773.9/36

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

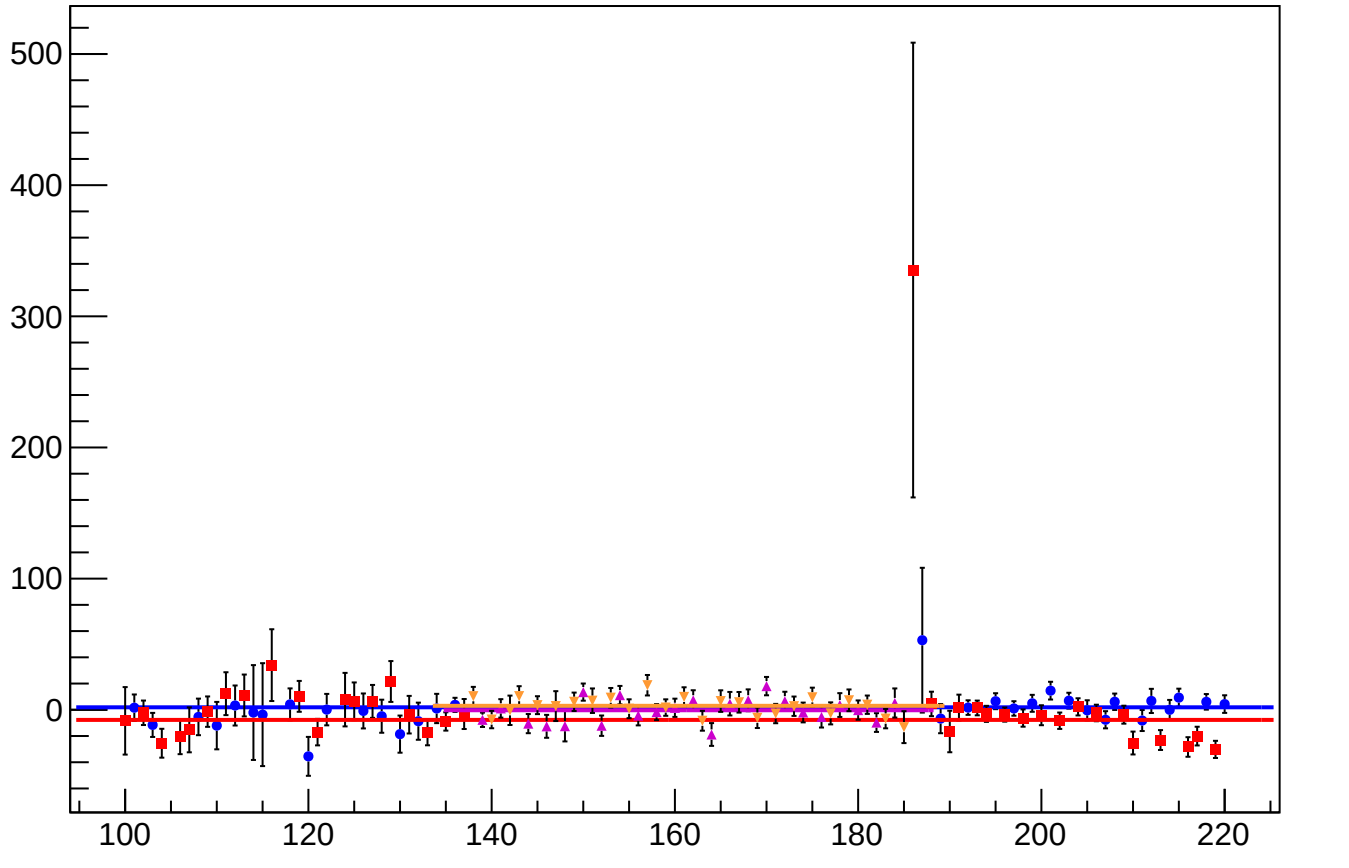
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.620+/-0.036 χ^2/NDF: 185760.3/69

In: 332.488+/-0.038 χ^2/NDF:1116858.4/55

Out: 333.865+/-0.038 χ^2/NDF:1337034.8/61

All: 333.185+/-0.027 χ^2/NDF: 2454554.0/117



Right In: 1.888+/-1.452 χ^2/NDF: 25.4/32

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -7.720+/-1.456 χ^2/NDF: 65.3/36

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

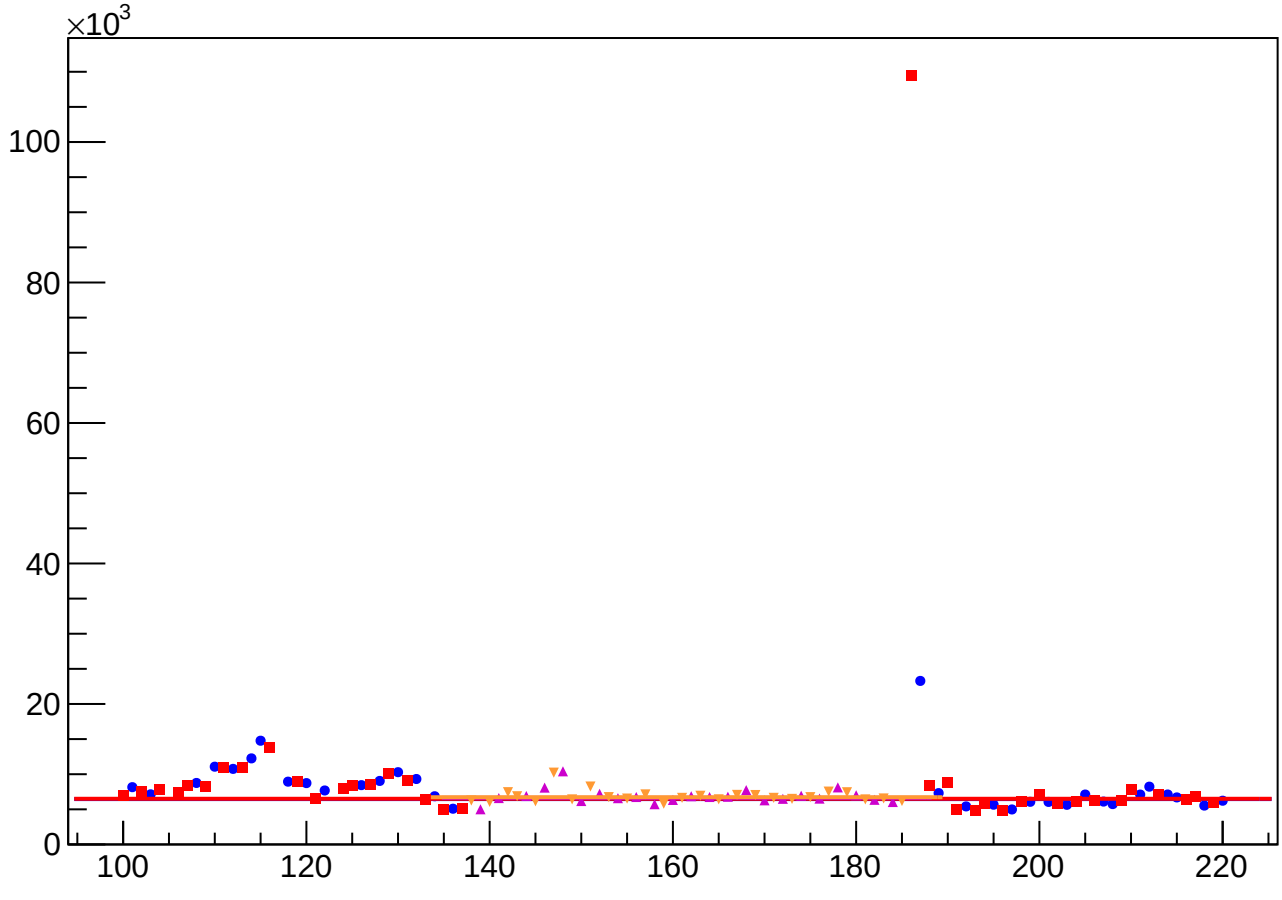
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.901+/-1.028 χ^2/NDF: 112.5/69

In: 0.855+/-1.065 χ^2/NDF:60.3/55

Out: -2.654+/-1.059 χ^2/NDF:111.2/61

All: -0.911+/-0.751 χ^2/NDF: 177.0/117



Right In: 6459.261+/-1.026 χ^2/NDF: 1887807.6/32

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6501.673+/-1.030 χ^2/NDF: 2457223.1/36

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

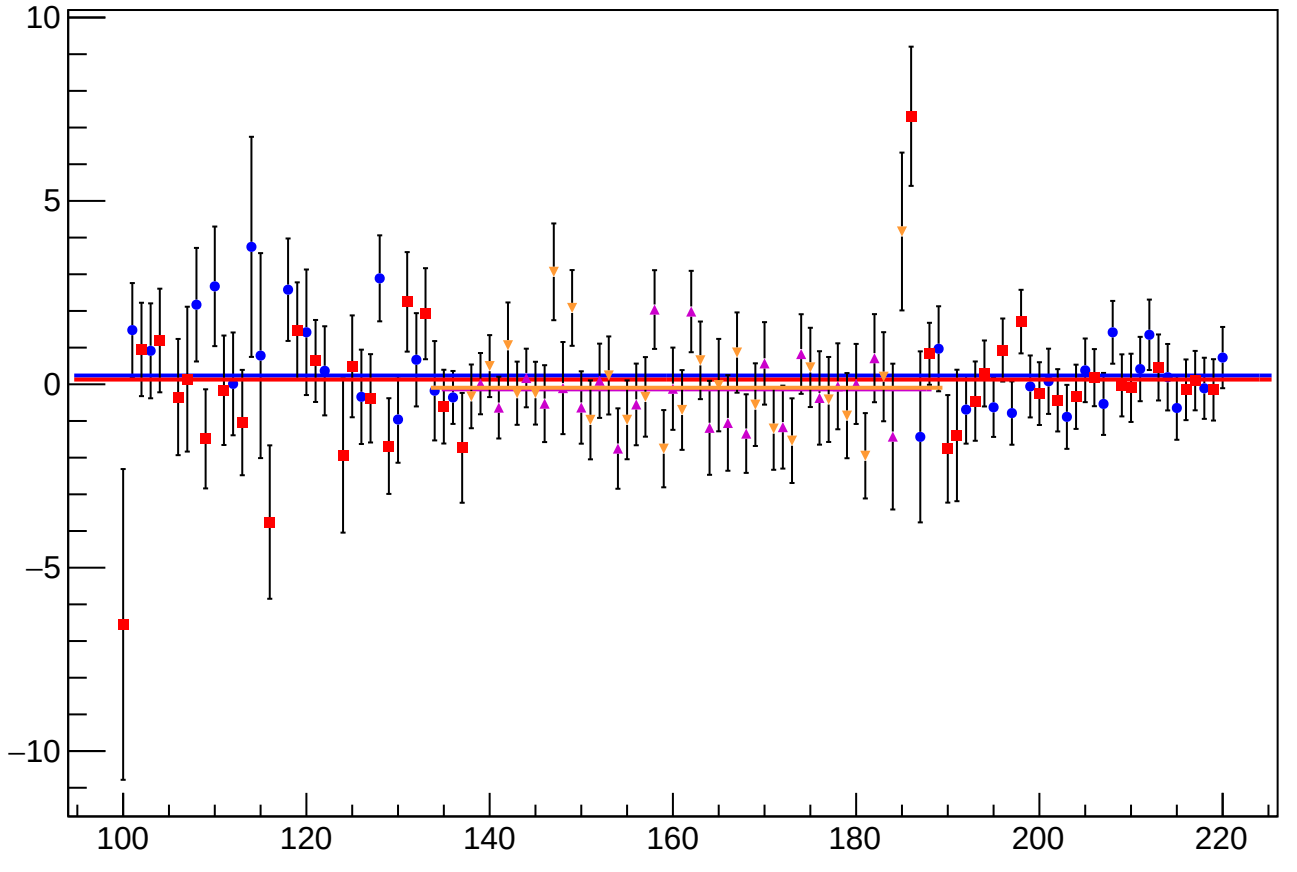
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6480.399+/-0.727 χ^2/NDF: 4345881.6/69

In: 6539.300+/-0.753 χ^2/NDF:2530475.4/55

Out: 6606.033+/-0.749 χ^2/NDF:2882321.6/61

All: 6572.877+/-0.531 χ^2/NDF: 5416745.7/11



Right In: 0.239+/-0.182 χ^2/NDF: 28.9/32

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.129+/-0.180 χ^2/NDF: 43.4/36

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

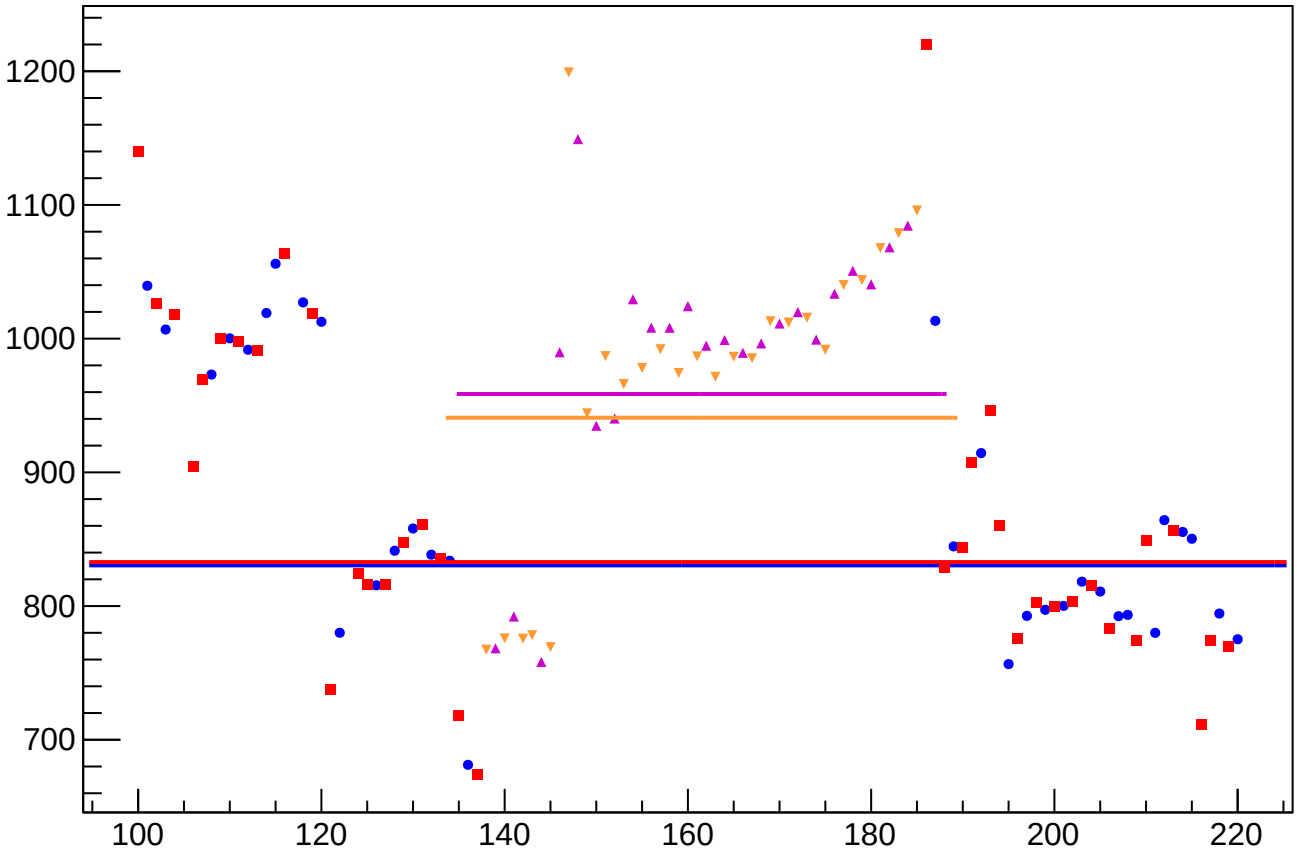
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.183+/-0.128 χ^2/NDF: 72.6/69

In: 0.090+/-0.141 χ^2/NDF:47.1/55

Out: 0.037+/-0.138 χ^2/NDF:71.4/61

All: 0.063+/-0.099 χ^2/NDF: 118.6/117



Right In: 830.439+/-0.129 χ^2/NDF: 417650.3/32

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 832.902+/-0.128 χ^2/NDF: 525311.6/36

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

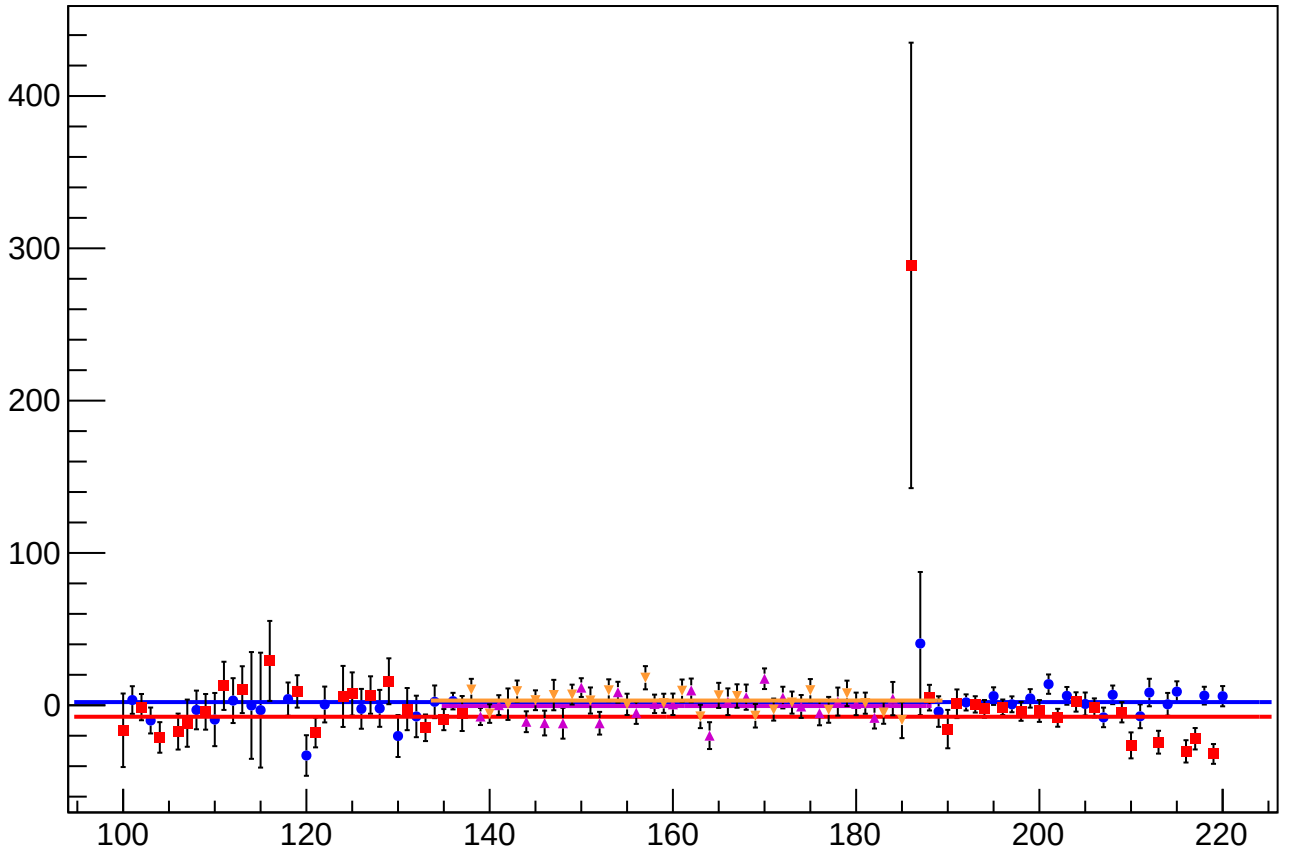
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 831.679+/-0.091 χ^2/NDF: 943146.8/69

In: 880.953+/-0.100 χ^2/NDF:1266246.7/55

Out: 877.428+/-0.098 χ^2/NDF:1389225.7/61

All: 879.151+/-0.070 χ^2/NDF: 2656106.9/117



Right In: 2.079+/-1.397 χ^2/NDF: 25.6/32

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -7.545+/-1.394 χ^2/NDF: 72.1/36

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

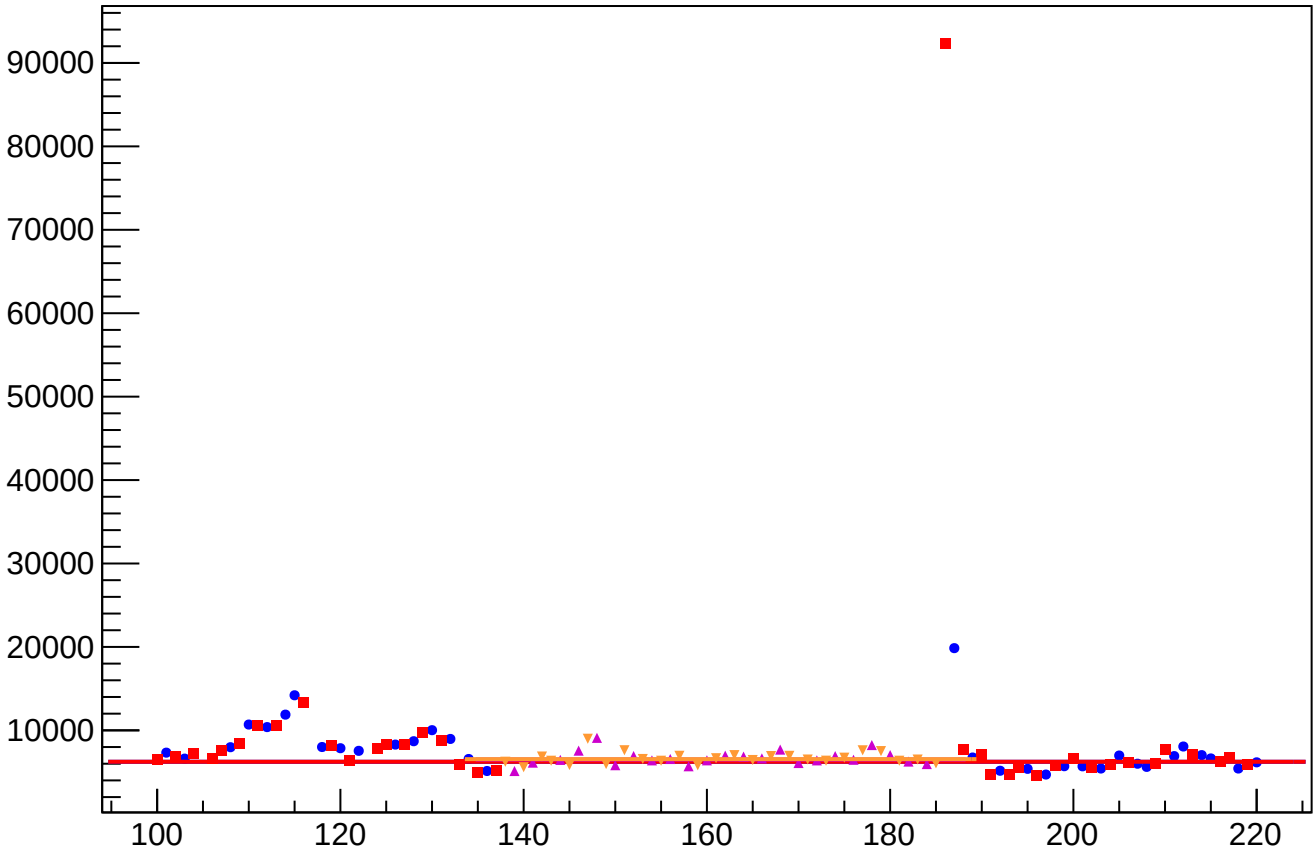
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -2.745+/-0.987 χ^2/NDF: 121.4/69

In: 0.902+/-1.033 χ^2/NDF:59.2/55

Out: -2.613+/-1.021 χ^2/NDF:117.7/61

All: -0.877+/-0.726 χ^2/NDF: 182.7/117



Right In: 6228.200+/-0.988 χ^2/NDF: 1806844.0/32

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6236.130+/-0.986 χ^2/NDF: 2403754.8/36

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

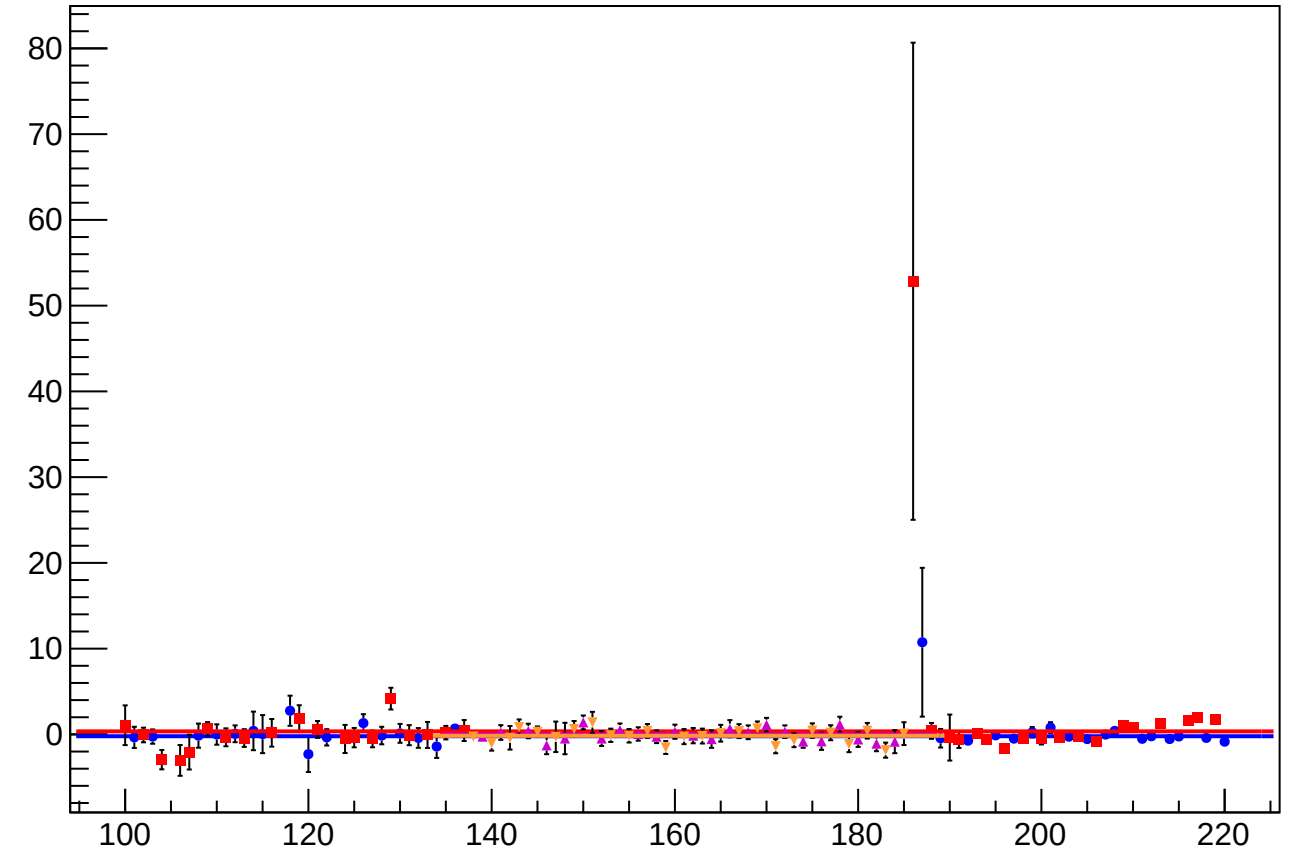
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6232.175+/-0.698 χ^2/NDF: 4210631.1/69

In: 6353.685+/-0.731 χ^2/NDF:2357920.3/55

Out: 6381.045+/-0.722 χ^2/NDF:2816478.5/61

All: 6367.527+/-0.514 χ^2/NDF: 5175108.2/11



Right In: -0.214+/-0.112 χ^2/NDF: 21.6/32

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.353+/-0.116 χ^2/NDF: 102.1/36

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

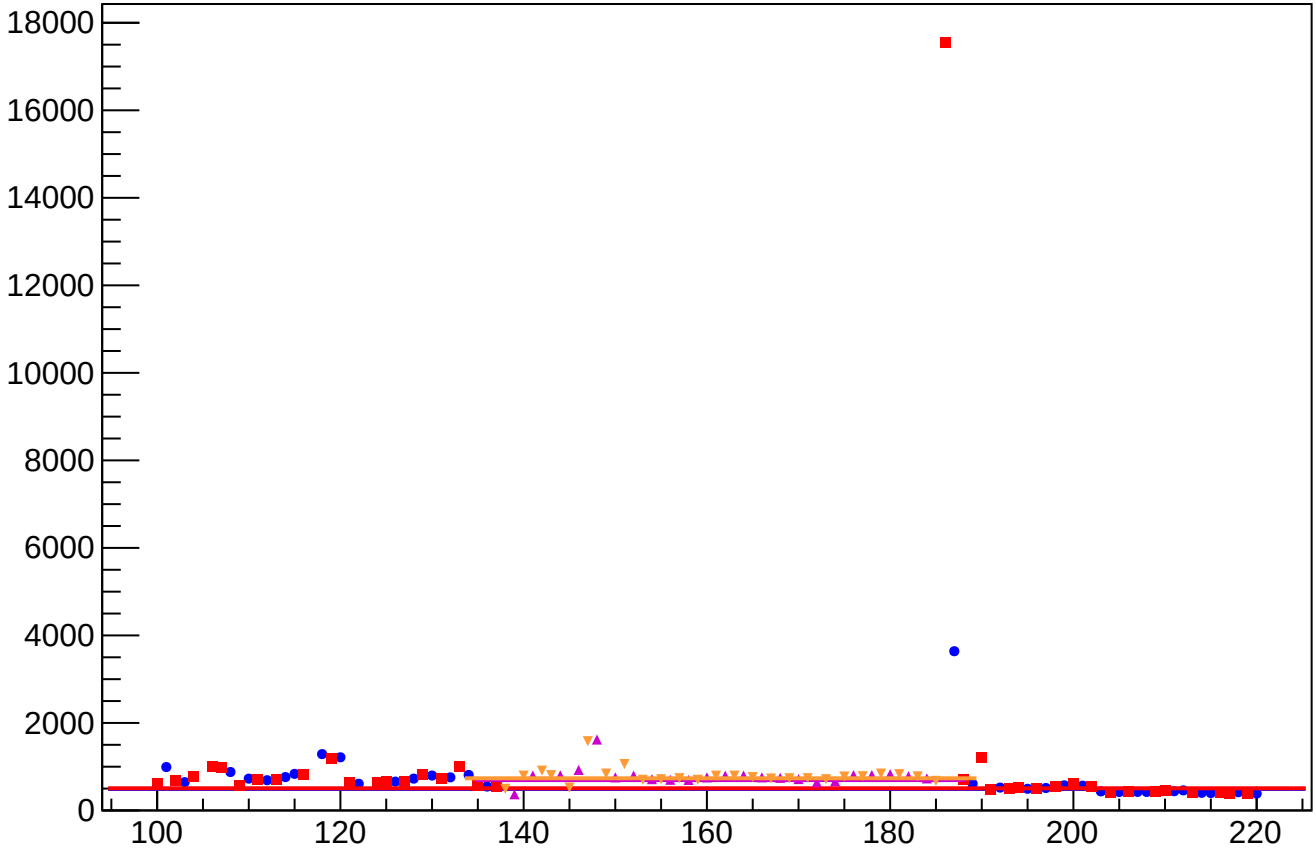
Right: 0.061+/-0.081 χ^2/NDF: 136.1/69

In: -0.154+/-0.094 χ^2/NDF:37.8/55

Out: 0.193+/-0.096 χ^2/NDF:127.2/61

All: 0.015+/-0.067 χ^2/NDF: 171.7/117

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 492.454+/-0.079 χ^2/NDF: 2958589.9/32

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 506.039+/-0.082 χ^2/NDF: 3393972.1/36

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

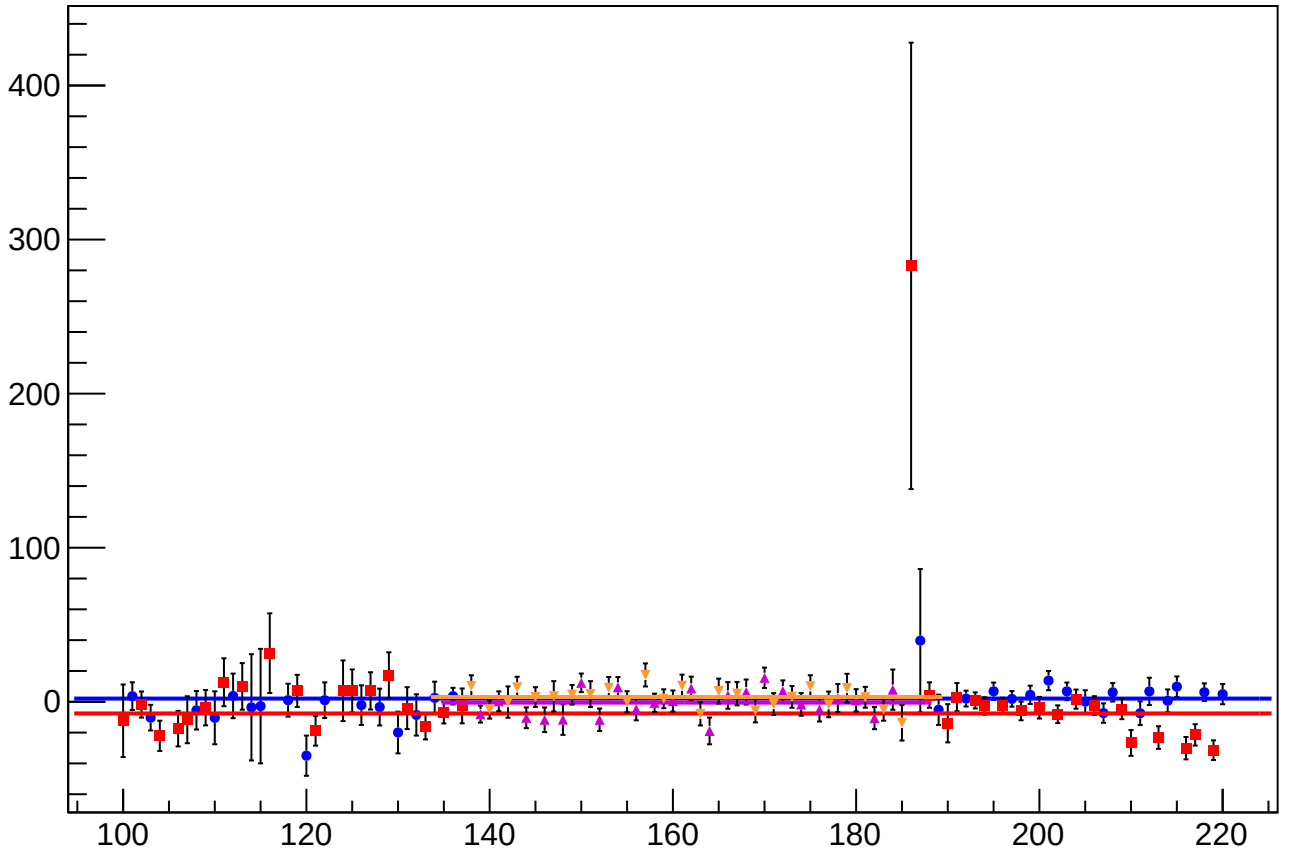
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 499.052+/-0.057 χ^2/NDF: 6366770.7/69

In: 554.213+/-0.066 χ^2/NDF:7158496.3/55

Out: 577.198+/-0.068 χ^2/NDF:7172531.3/61

All: 565.414+/-0.047 χ^2/NDF: 14389855.3/11



Right In: 2.080+/-1.371 χ^2/NDF: 27.9/32

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -7.564+/-1.367 χ^2/NDF: 72.5/36

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

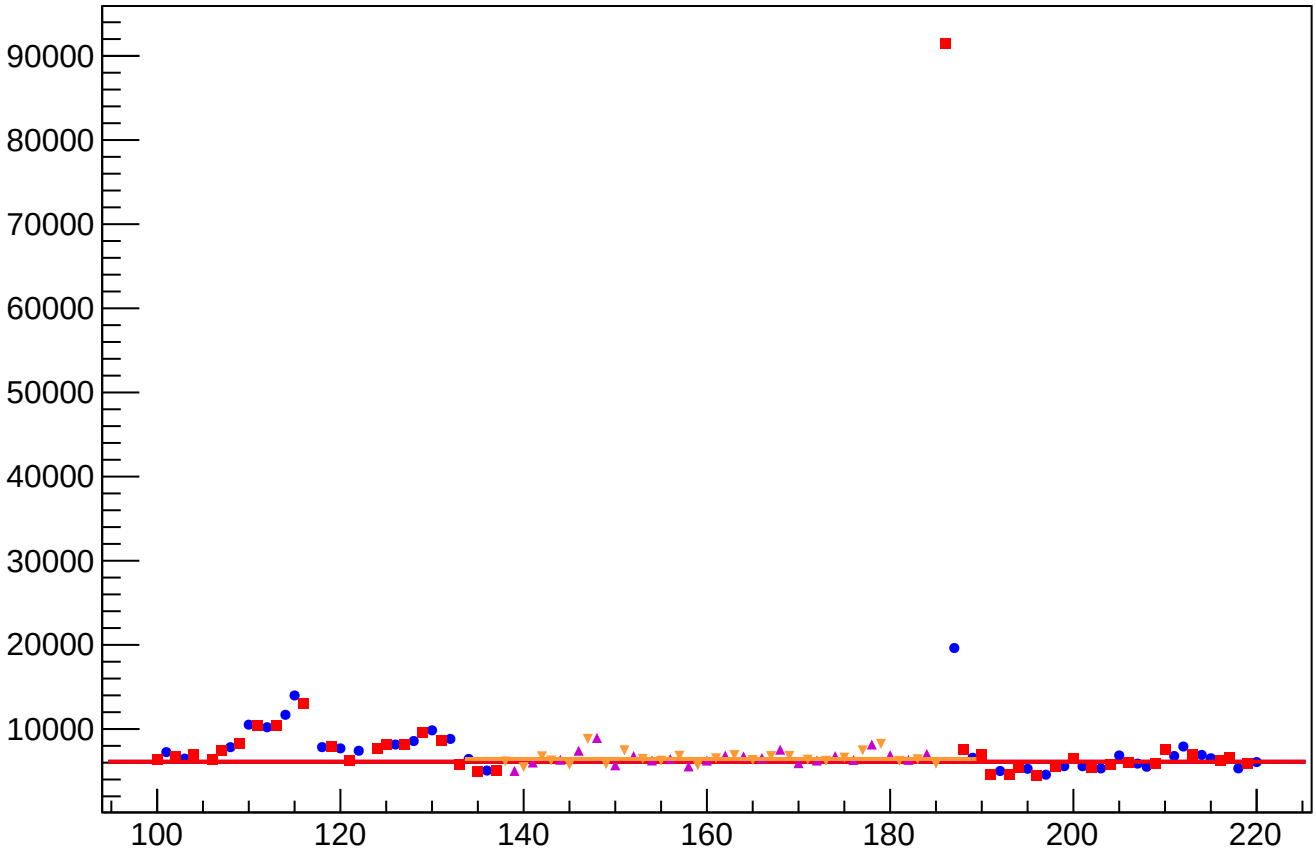
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -2.756+/-0.968 χ^2/NDF: 125.2/69

In: 0.894+/-1.016 χ^2/NDF:63.1/55

Out: -2.635+/-1.003 χ^2/NDF:119.3/61

All: -0.893+/-0.714 χ^2/NDF: 188.6/117



Right In: 6106.945+/-0.970 χ^2/NDF: 1837717.2/32

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6112.024+/-0.967 χ^2/NDF: 2430142.7/36

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

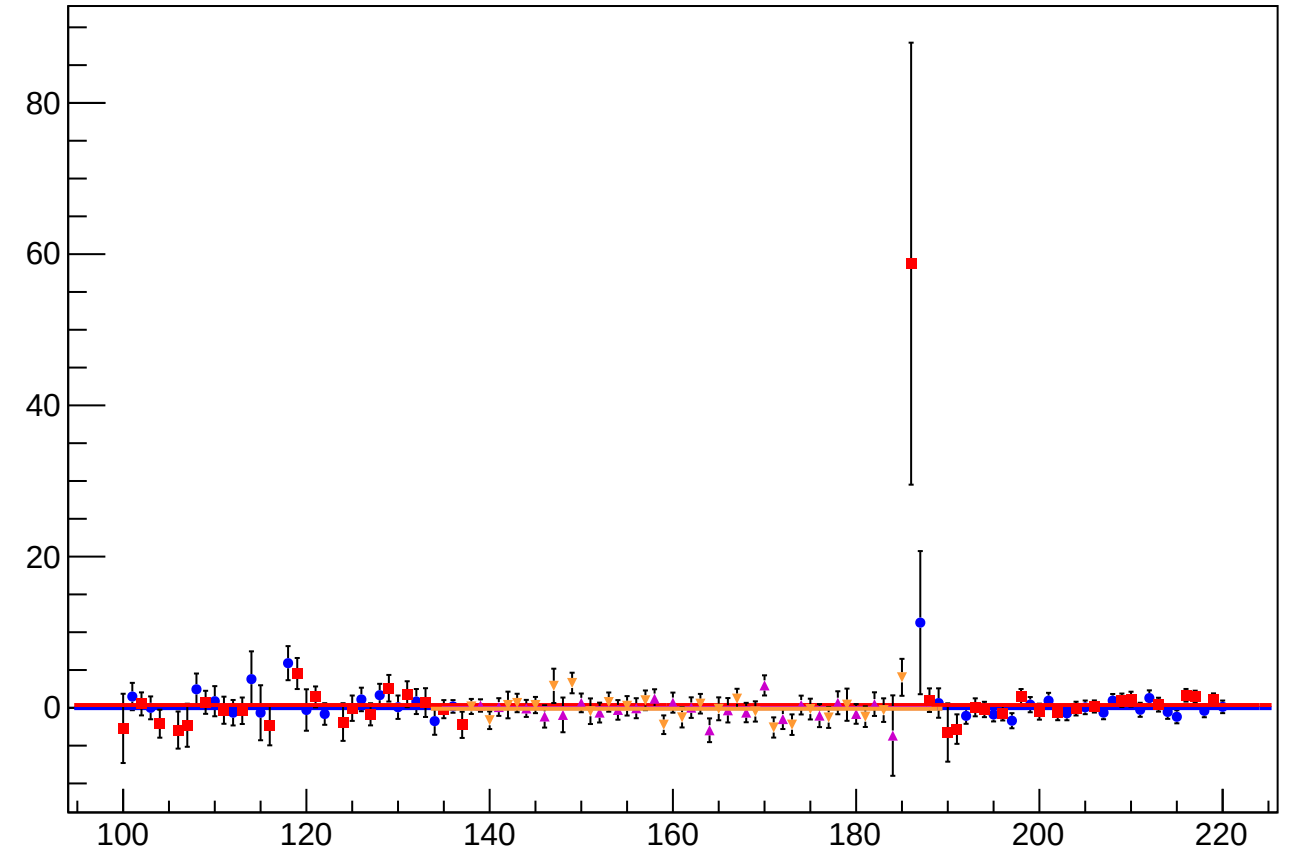
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6109.492+/-0.685 χ^2/NDF: 4267873.6/69

In: 6241.513+/-0.718 χ^2/NDF:2405493.5/55

Out: 6261.312+/-0.709 χ^2/NDF:2899109.9/61

All: 6251.538+/-0.505 χ^2/NDF: 5304988.0/11



Right In: -0.040+/-0.205 χ^2/NDF: 27.5/32

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.370+/-0.208 χ^2/NDF: 36.1/36

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

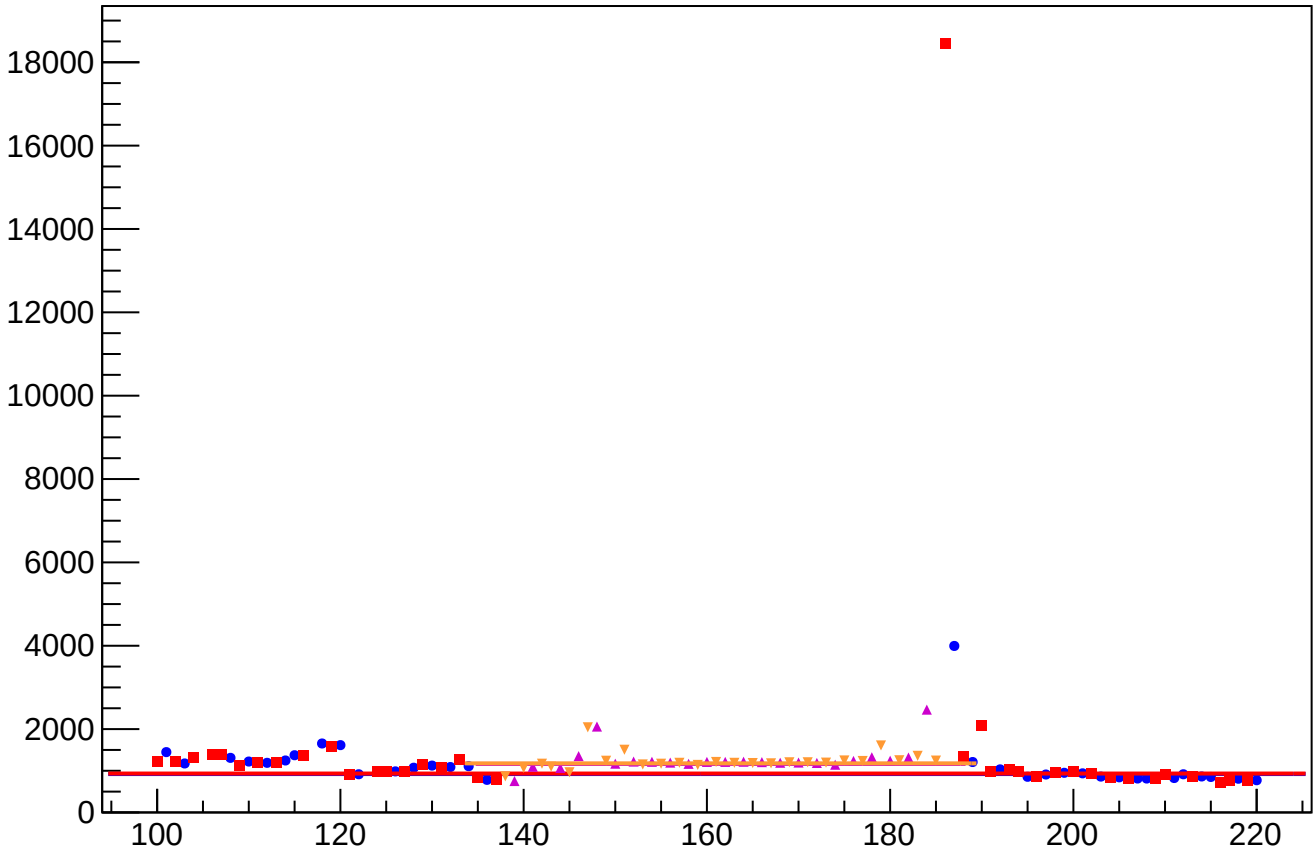
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.162+/-0.146 χ^2/NDF: 65.6/69

In: -0.036+/-0.165 χ^2/NDF:42.0/55

Out: 0.189+/-0.166 χ^2/NDF:65.1/61

All: 0.076+/-0.117 χ^2/NDF: 108.0/117



Right In: 921.302+/-0.145 χ^2/NDF: 1448856.2/32

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 933.832+/-0.147 χ^2/NDF: 2285040.0/36

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

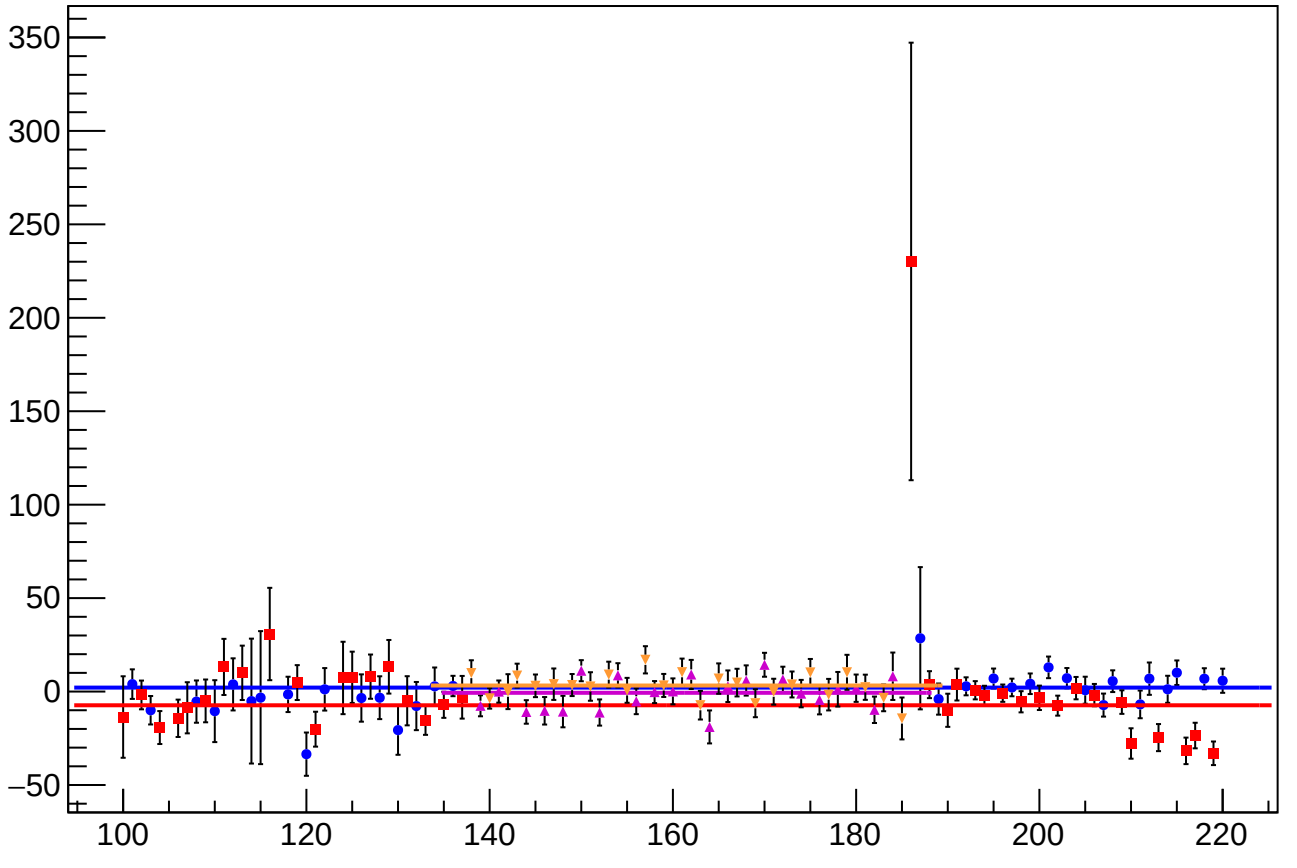
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 927.474+/-0.103 χ^2/NDF: 3737562.8/69

In: 1006.709+/-0.117 χ^2/NDF:3483086.2/55

Out: 1023.509+/-0.117 χ^2/NDF:4092686.9/61

All: 1015.086+/-0.083 χ^2/NDF: 7586072.7/11



Right In: 2.118+/-1.305 χ^2/NDF: 30.7/32

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -7.342+/-1.290 χ^2/NDF: 82.6/36

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

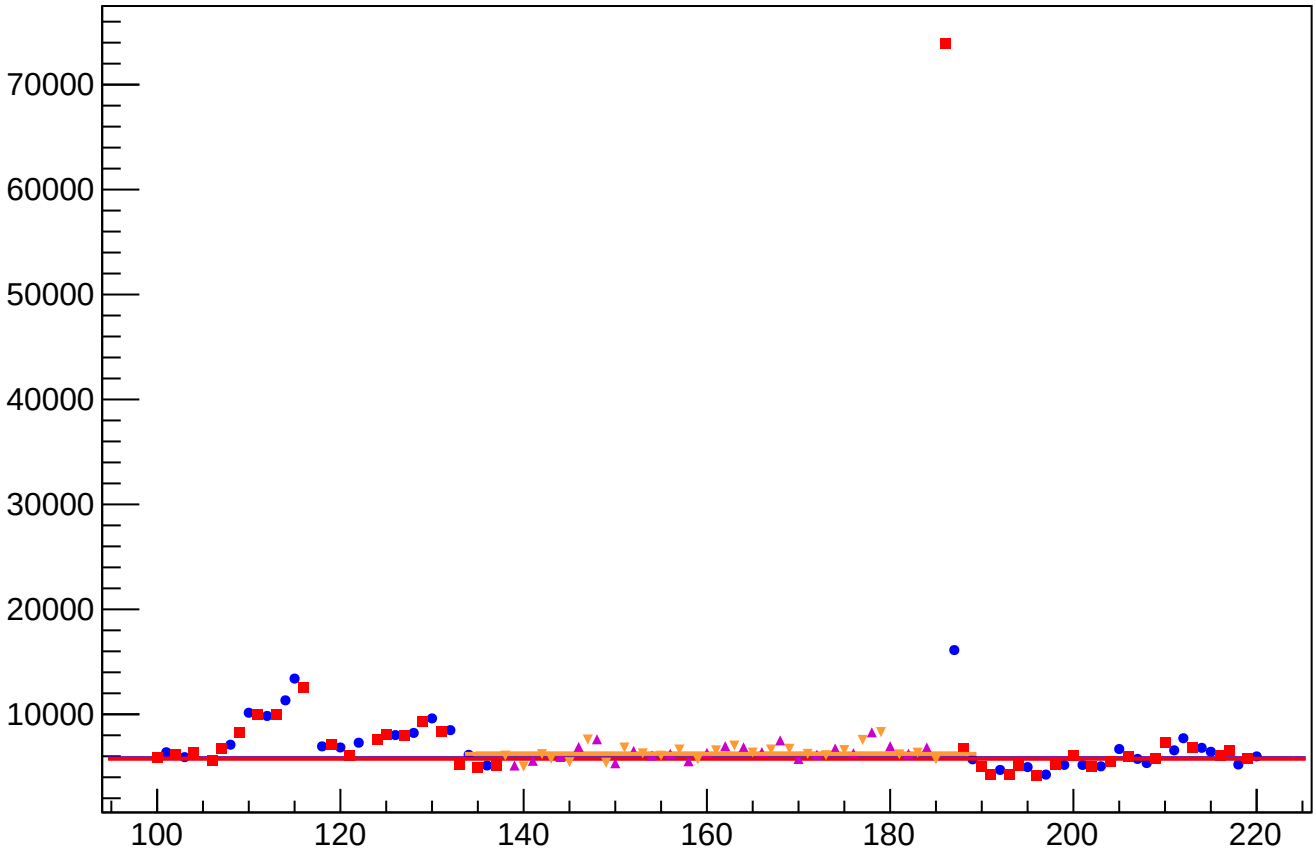
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -2.666+/-0.918 χ^2/NDF: 139.8/69

In: 0.894+/-0.977 χ^2/NDF:65.0/55

Out: -2.594+/-0.958 χ^2/NDF:130.6/61

All: -0.884+/-0.684 χ^2/NDF: 202.2/117



Right In: 5814.474+/-0.923 χ^2/NDF: 1853305.3/32

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5770.009+/-0.912 χ^2/NDF: 2508409.6/36

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

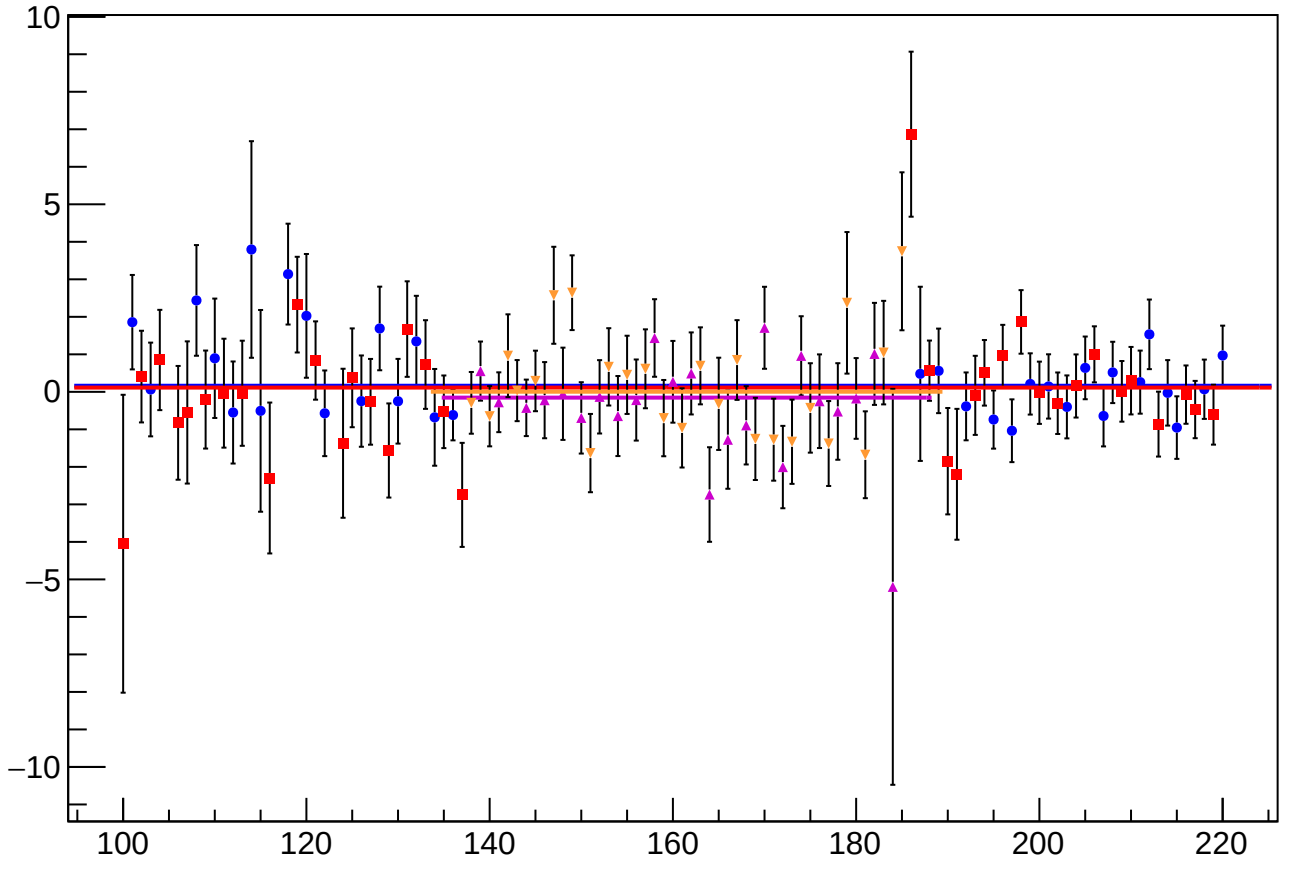
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5791.988+/-0.649 χ^2/NDF: 4362888.7/69

In: 6004.529+/-0.691 χ^2/NDF:2434744.8/55

Out: 5975.927+/-0.677 χ^2/NDF:3092693.2/61

All: 5989.944+/-0.484 χ^2/NDF: 5528311.9/11



Right In: 0.163+/-0.174 χ^2/NDF: 28.7/32

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.114+/-0.173 χ^2/NDF: 39.4/36

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

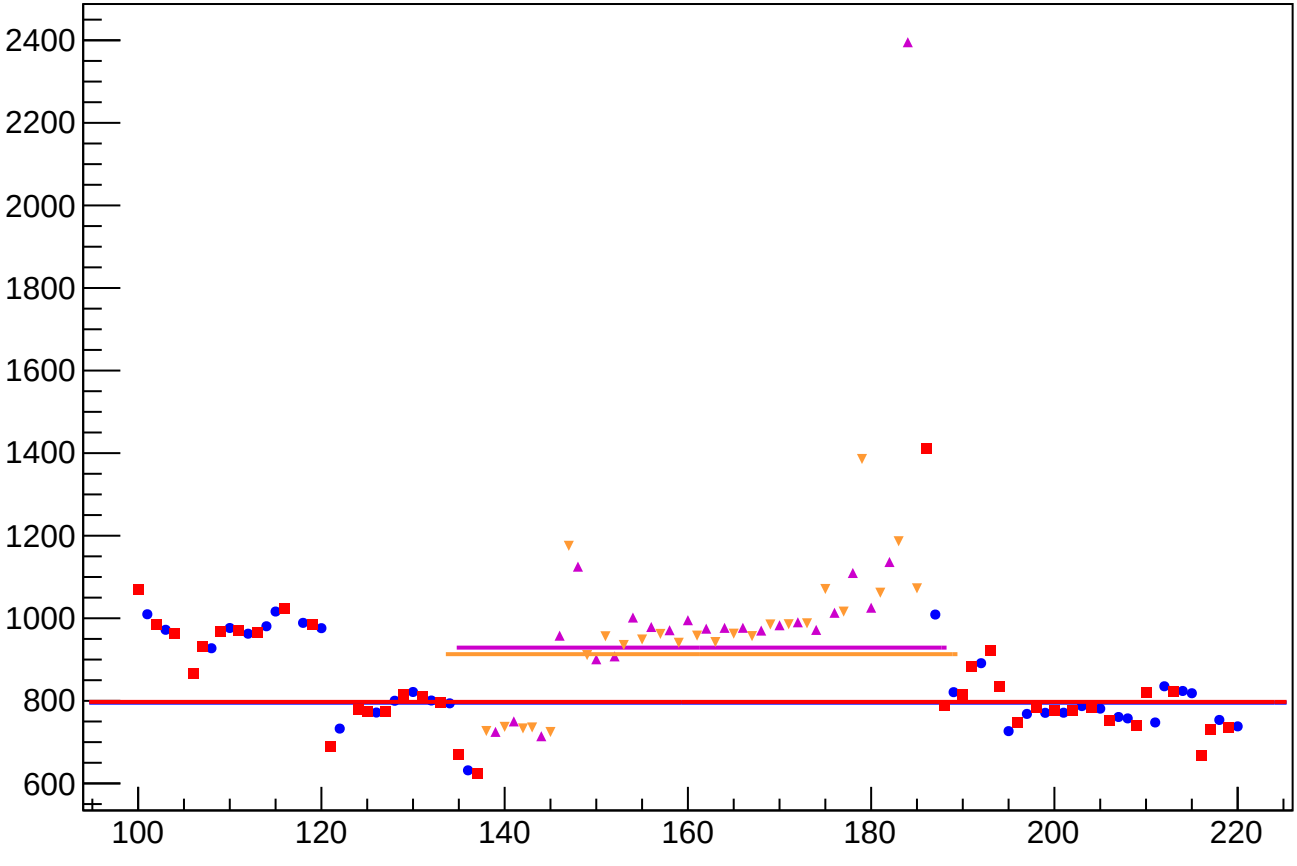
Right: 0.138+/-0.123 χ^2/NDF: 68.1/69

In: 0.041+/-0.137 χ^2/NDF:48.4/55

Out: 0.069+/-0.134 χ^2/NDF:71.2/61

All: 0.056+/-0.096 χ^2/NDF: 119.6/117

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 795.592+/-0.123 χ^2/NDF: 482908.6/32

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 797.498+/-0.122 χ^2/NDF: 657961.4/36

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

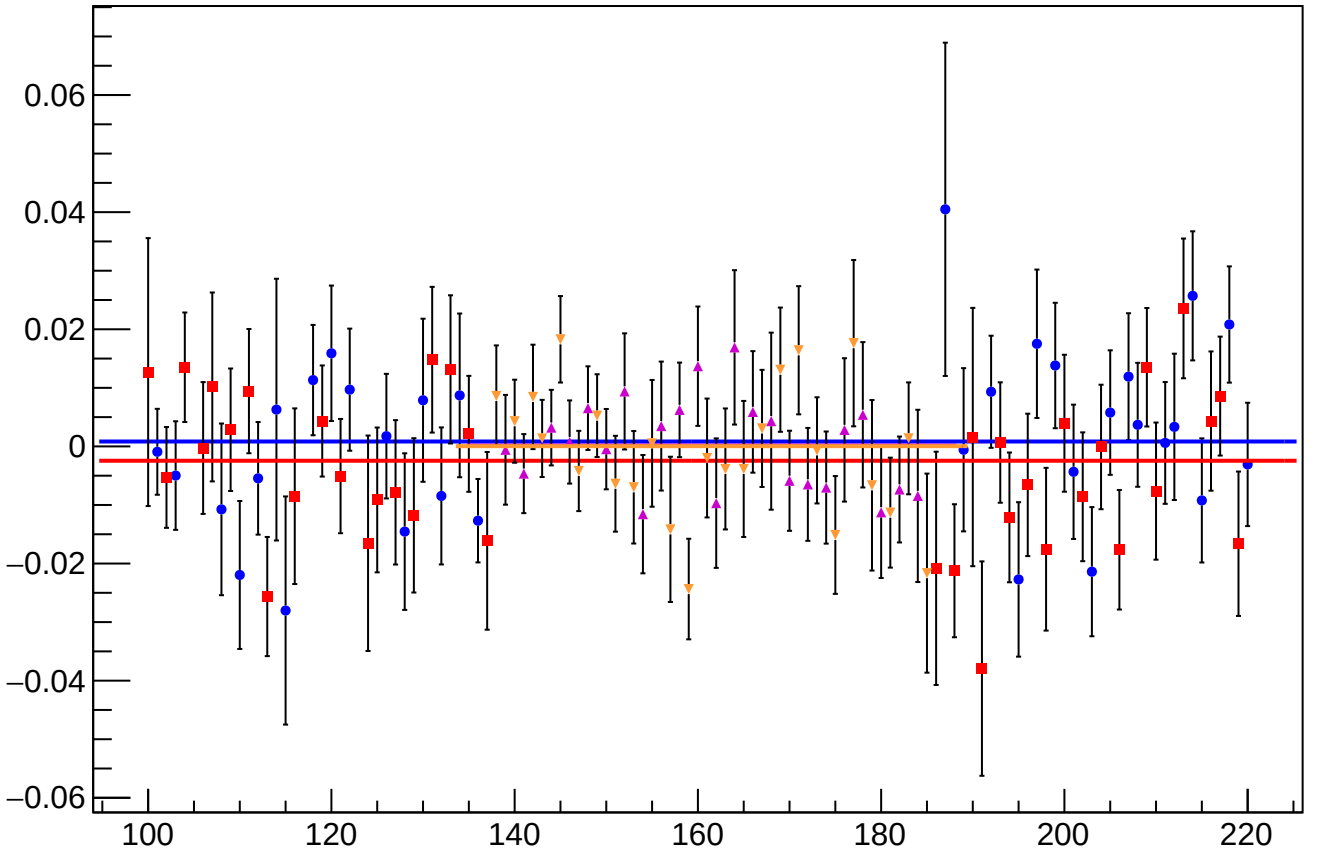
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 796.552+/-0.087 χ^2/NDF: 1140990.4/69

In: 846.739+/-0.097 χ^2/NDF:1700315.7/55

Out: 843.783+/-0.095 χ^2/NDF:1903761.4/61

All: 845.231+/-0.068 χ^2/NDF: 3604552.6/117



Right In: 0.001+/-0.002 χ^2/NDF: 41.8/32

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.002+/-0.002 χ^2/NDF: 40.3/36

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

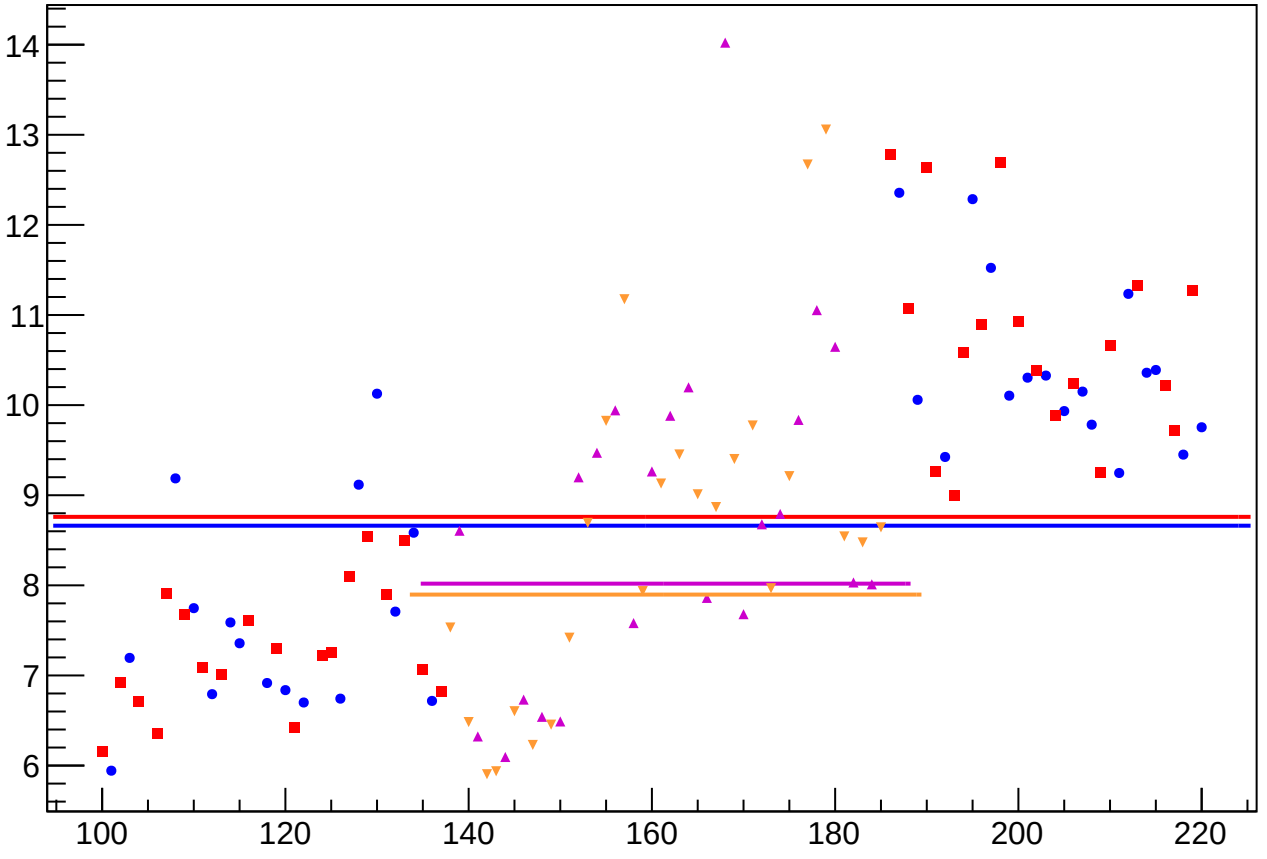
Right: -0.001+/-0.001 χ^2/NDF: 83.5/69

In: 0.000+/-0.001 χ^2/NDF:54.6/55

Out: -0.001+/-0.001 χ^2/NDF:72.3/61

All: -0.000+/-0.001 χ^2/NDF: 127.6/117

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.662+/-0.001 χ^2/NDF: 1625497.5/32

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.760+/-0.001 χ^2/NDF: 1727032.9/36

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

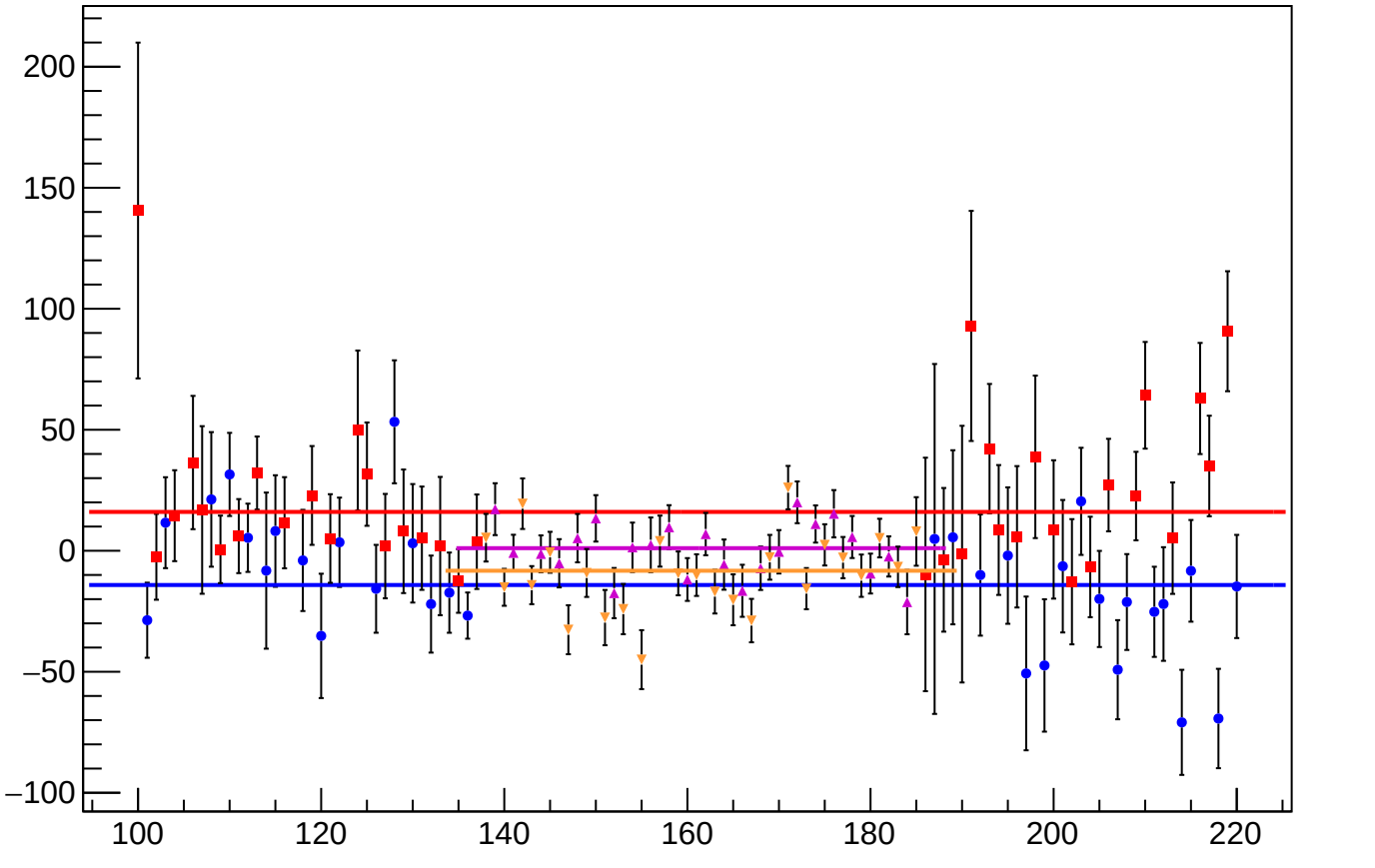
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.711+/-0.001 χ^2/NDF: 3355111.7/69

In: 8.338+/-0.001 χ^2/NDF:3192980.5/55

Out: 8.308+/-0.001 χ^2/NDF:3526477.0/61

All: 8.323+/-0.001 χ^2/NDF: 6719939.3/117



Right In: -14.152+/-3.529 χ^2/NDF: 49.3/32

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 16.050+/-3.609 χ^2/NDF: 43.0/36

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

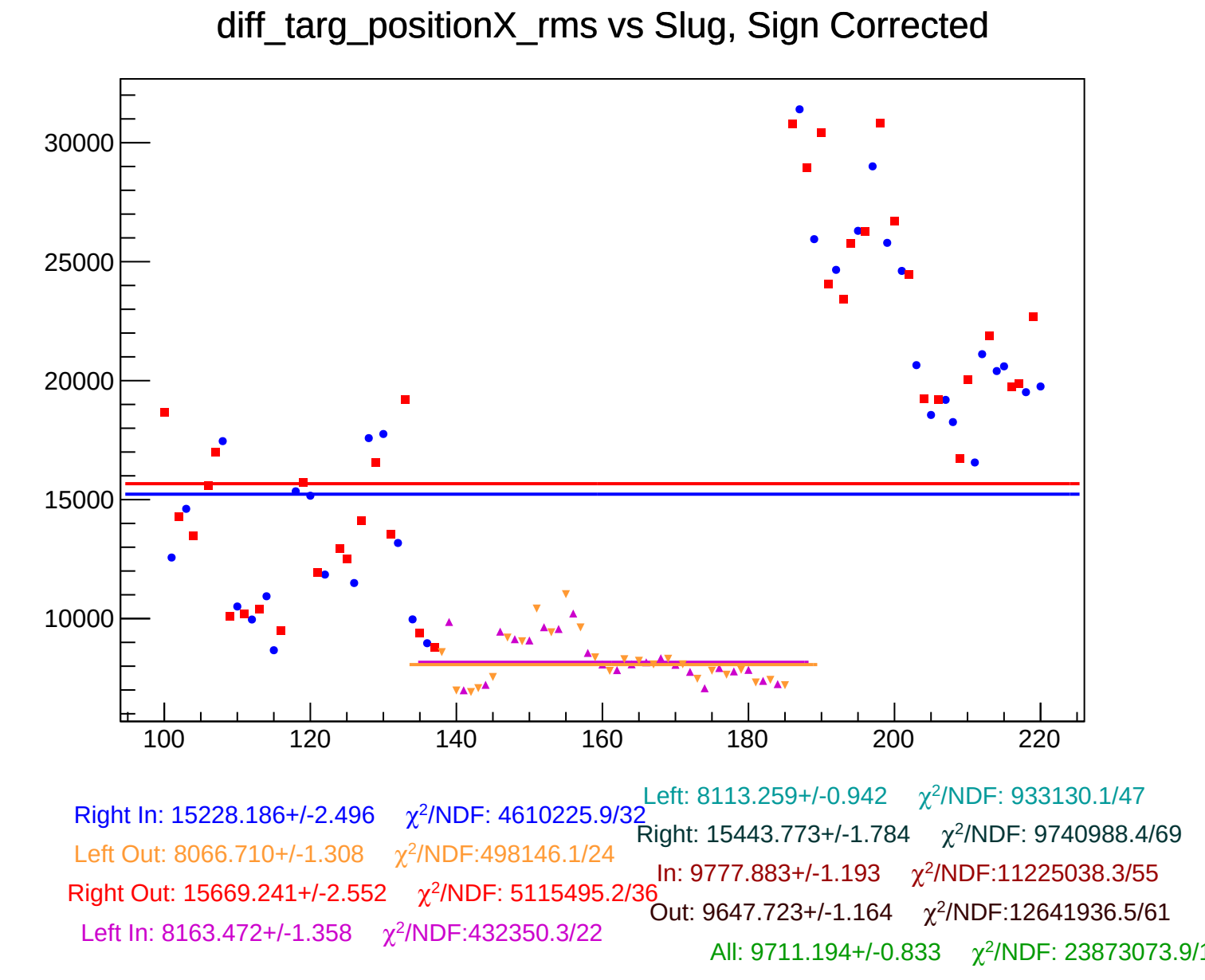
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

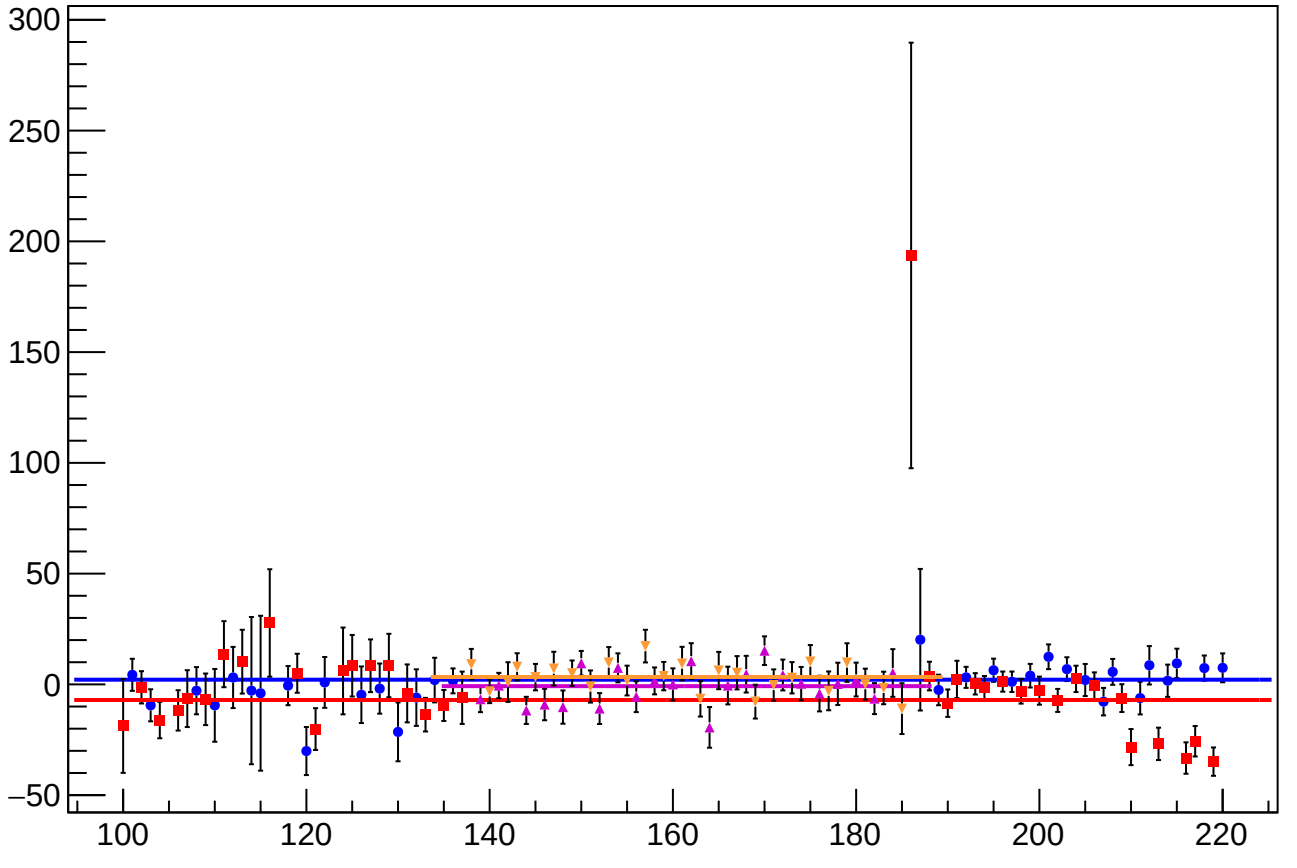
Right: 0.611+/-2.523 χ^2/NDF: 128.1/69

In: -2.407+/-1.687 χ^2/NDF:92.5/55

Out: -3.202+/-1.646 χ^2/NDF:141.1/61

All: -2.814+/-1.178 χ^2/NDF: 233.7/117


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15228.186+/-2.496 χ²/NDF: 4610225.9/32
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 15669.241+/-2.552 χ²/NDF: 5115495.2/36
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 15443.773+/-1.784 χ²/NDF: 9740988.4/69
In: 9777.883+/-1.193 χ²/NDF:11225038.3/55
Out: 9647.723+/-1.164 χ²/NDF:12641936.5/61
All: 9711.194+/-0.833 χ²/NDF: 23873073.9/1



Right In: 2.118+/-1.283 χ^2/NDF: 29.7/32

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -7.042+/-1.255 χ^2/NDF: 91.2/36

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

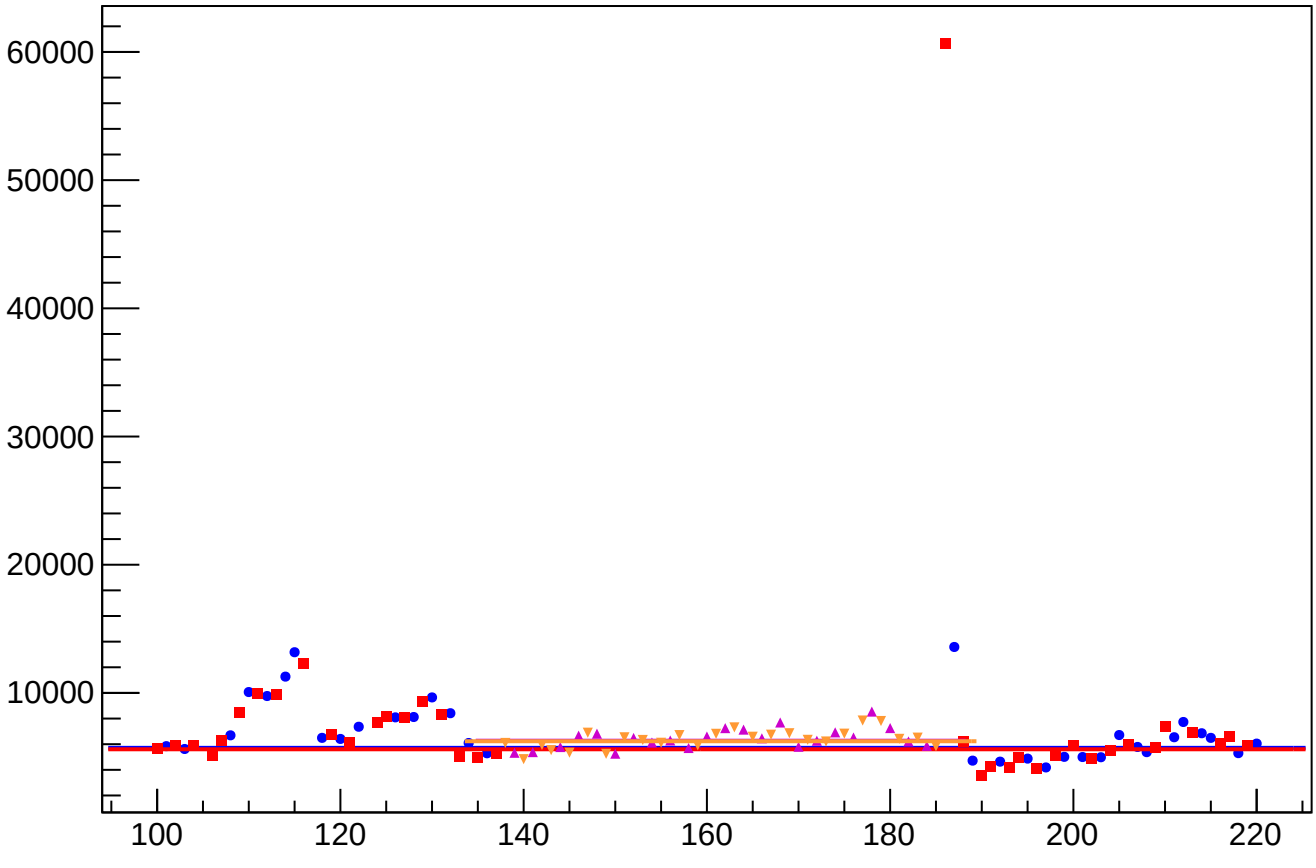
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -2.562+/-0.897 χ^2/NDF: 146.9/69

In: 0.866+/-0.969 χ^2/NDF:61.3/55

Out: -2.530+/-0.944 χ^2/NDF:137.8/61

All: -0.877+/-0.676 χ^2/NDF: 205.4/117



Right In: 5715.107+/-0.907 χ^2/NDF: 1891571.0/32

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5603.929+/-0.888 χ^2/NDF: 2738557.8/36

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

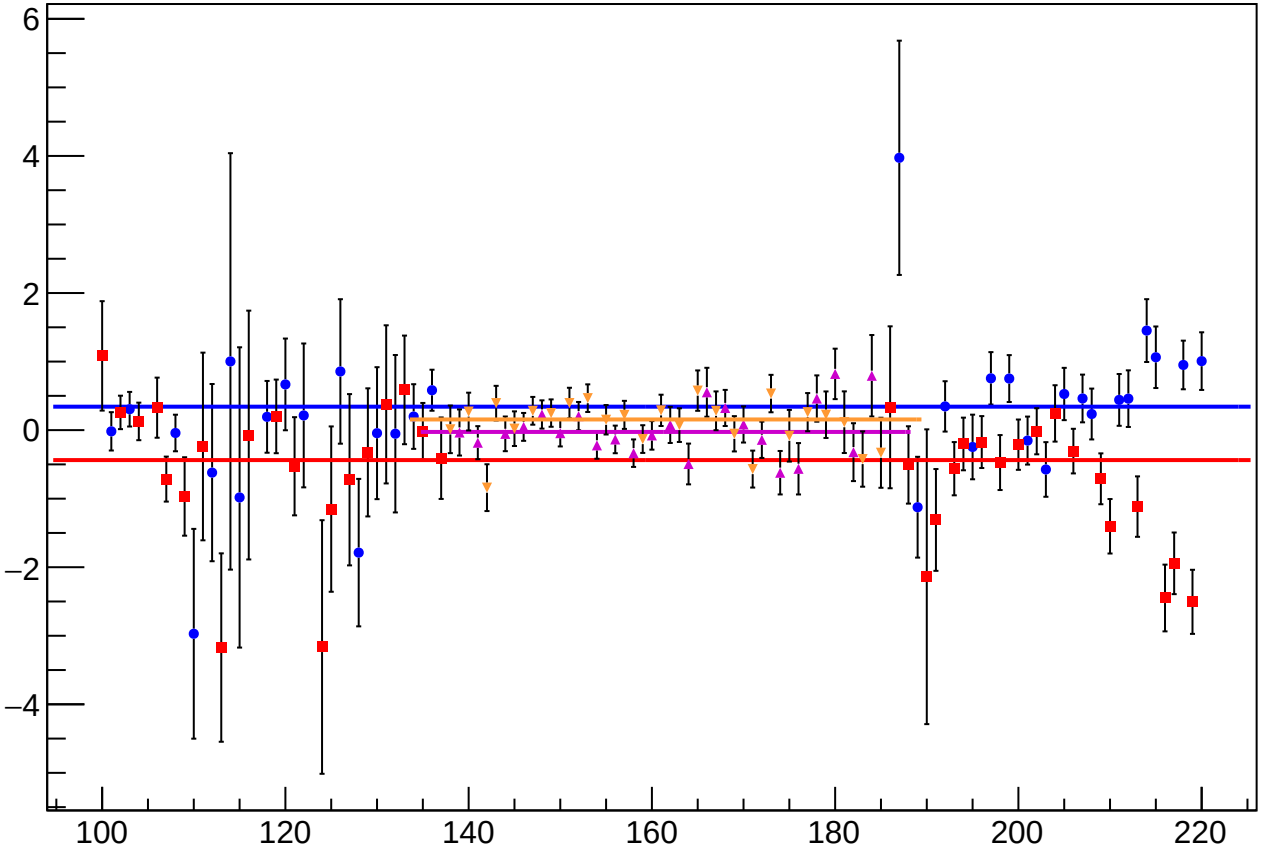
Right: 5658.307+/-0.635 χ^2/NDF: 4637800.3/69

In: 5953.815+/-0.685 χ^2/NDF:2557452.8/55

Out: 5876.729+/-0.667 χ^2/NDF:3488184.2/61

All: 5914.245+/-0.478 χ^2/NDF: 6052133.1/11

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.342+/-0.076 χ^2/NDF: 49.3/32

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.437+/-0.078 χ^2/NDF: 96.8/36

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

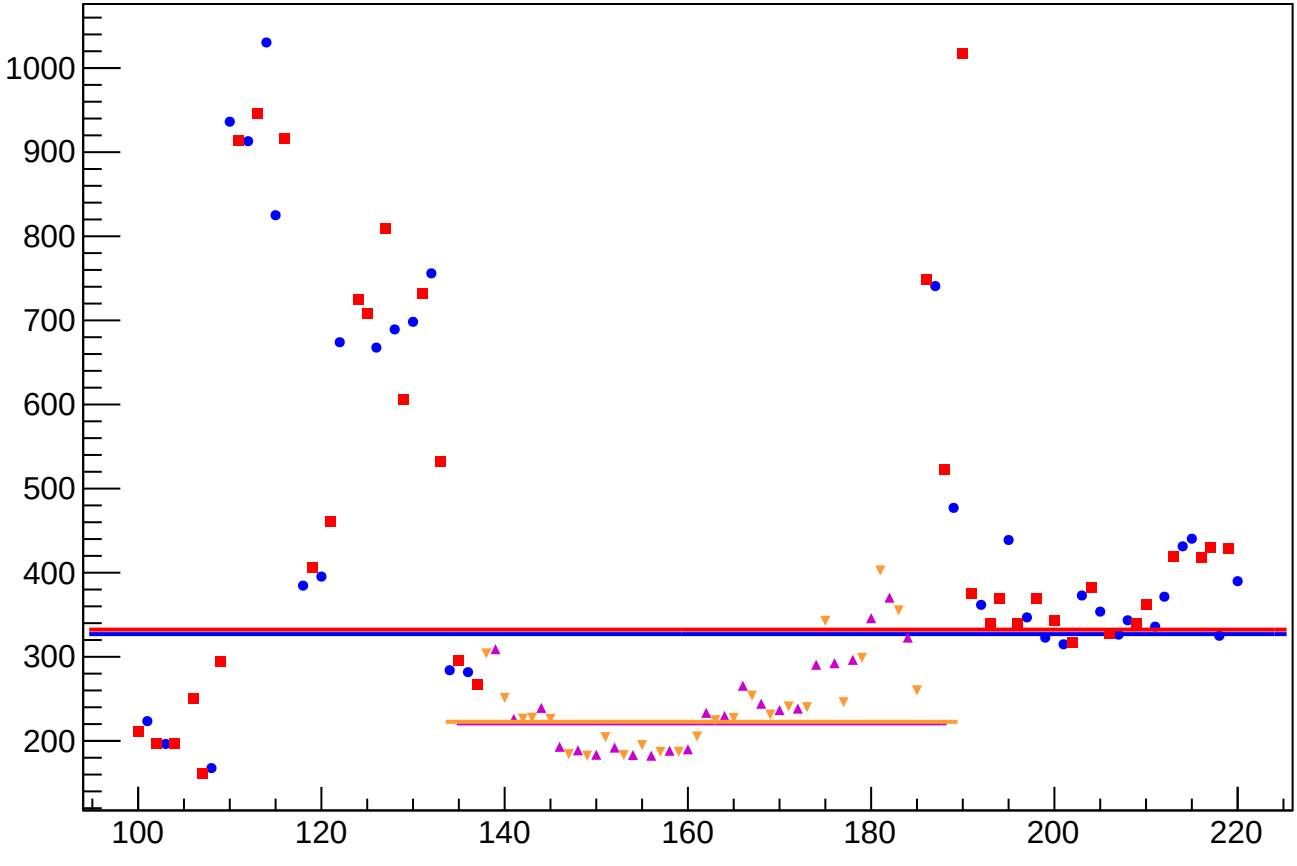
Right: -0.041+/-0.054 χ^2/NDF: 197.5/69

In: 0.094+/-0.043 χ^2/NDF:94.9/55

Out: -0.028+/-0.043 χ^2/NDF:169.4/61

All: 0.032+/-0.031 χ^2/NDF: 268.3/117

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 326.976+/-0.054 χ^2/NDF: 4479988.9/32

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 332.311+/-0.055 χ^2/NDF: 5090149.0/36

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

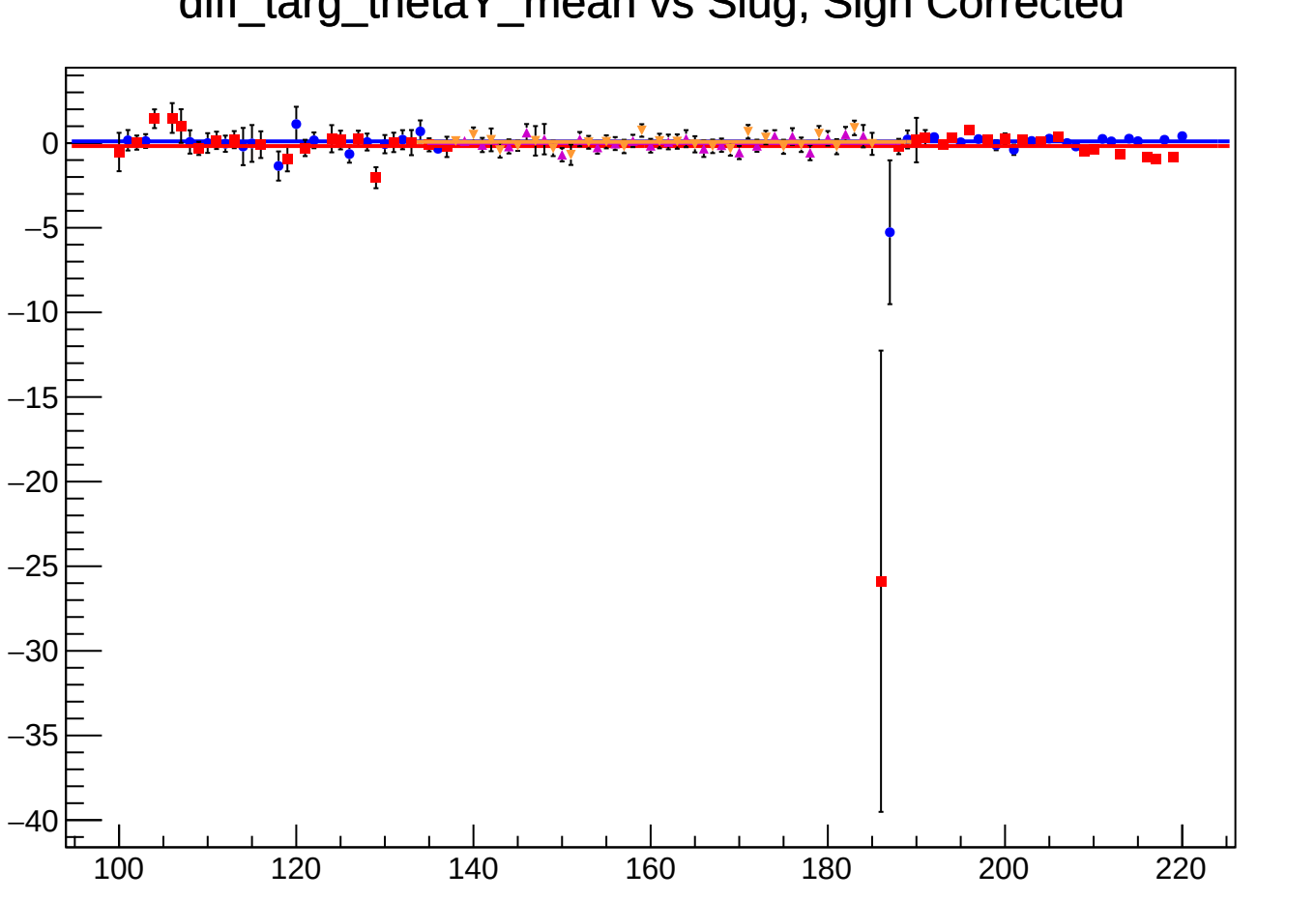
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 329.596+/-0.038 χ^2/NDF: 9574958.6/69

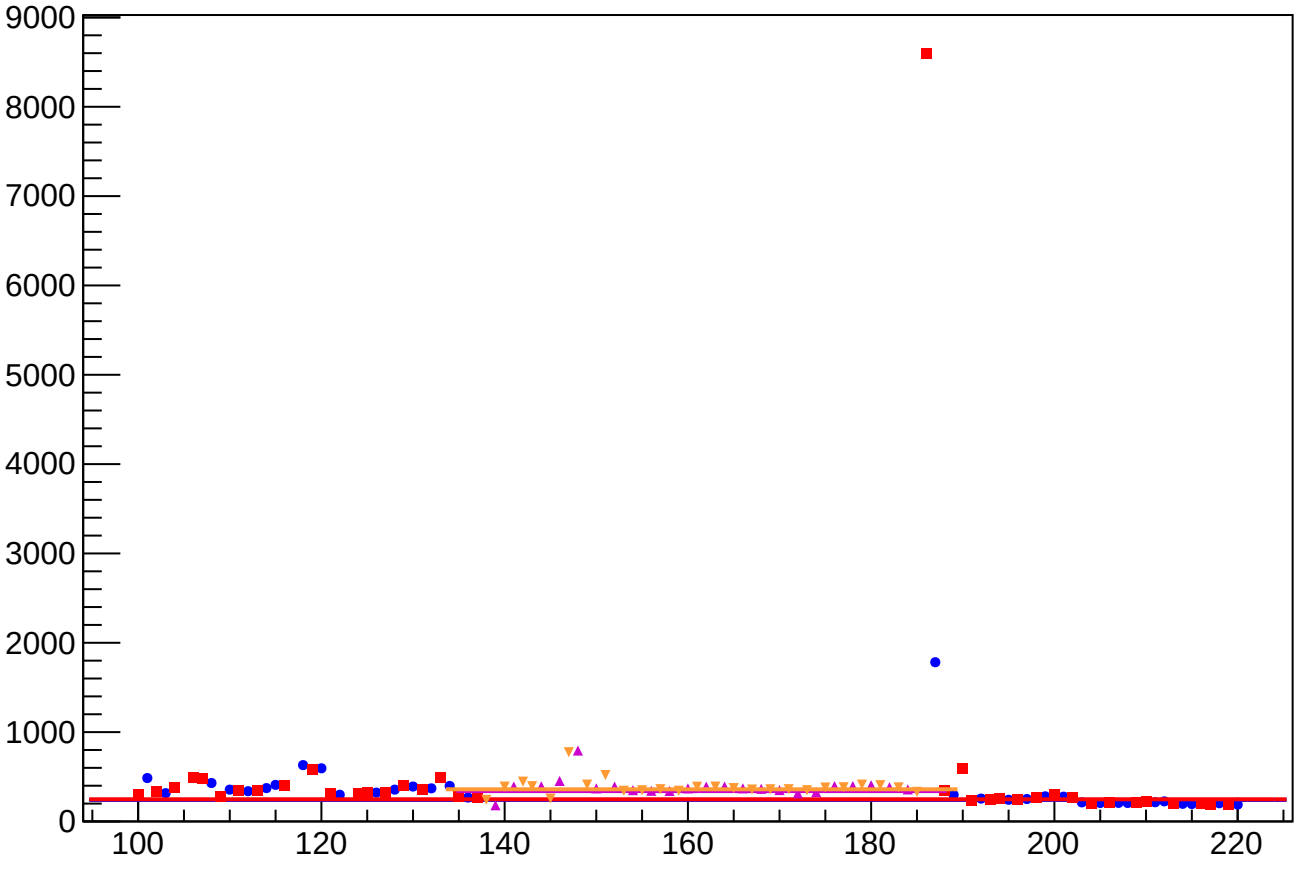
In: 255.424+/-0.031 χ^2/NDF:8571763.2/55

Out: 256.652+/-0.030 χ^2/NDF:9300730.8/61

All: 256.043+/-0.022 χ^2/NDF: 17873299.0/11


diff_targ_thetaY_mean vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
−40
100
120
140
160
180
200
220
Right In: 0.105+/-0.055 χ²/NDF: 21.6/32
Left Out: 0.079+/-0.084 χ²/NDF:19.0/24
Right Out: -0.173+/-0.057 χ²/NDF: 102.1/36
Left In: 0.009+/-0.083 χ²/NDF:15.2/22
Left: 0.043+/-0.059 χ²/NDF: 34.6/47
Right: -0.030+/-0.039 χ²/NDF: 136.1/69
In: 0.076+/-0.046 χ²/NDF:37.8/55
Out: -0.094+/-0.047 χ²/NDF:127.2/61
All: -0.007+/-0.033 χ²/NDF: 171.7/117

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 241.222+/-0.039 χ^2/NDF: 2958589.9/32

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 247.876+/-0.040 χ^2/NDF: 3393972.1/36

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

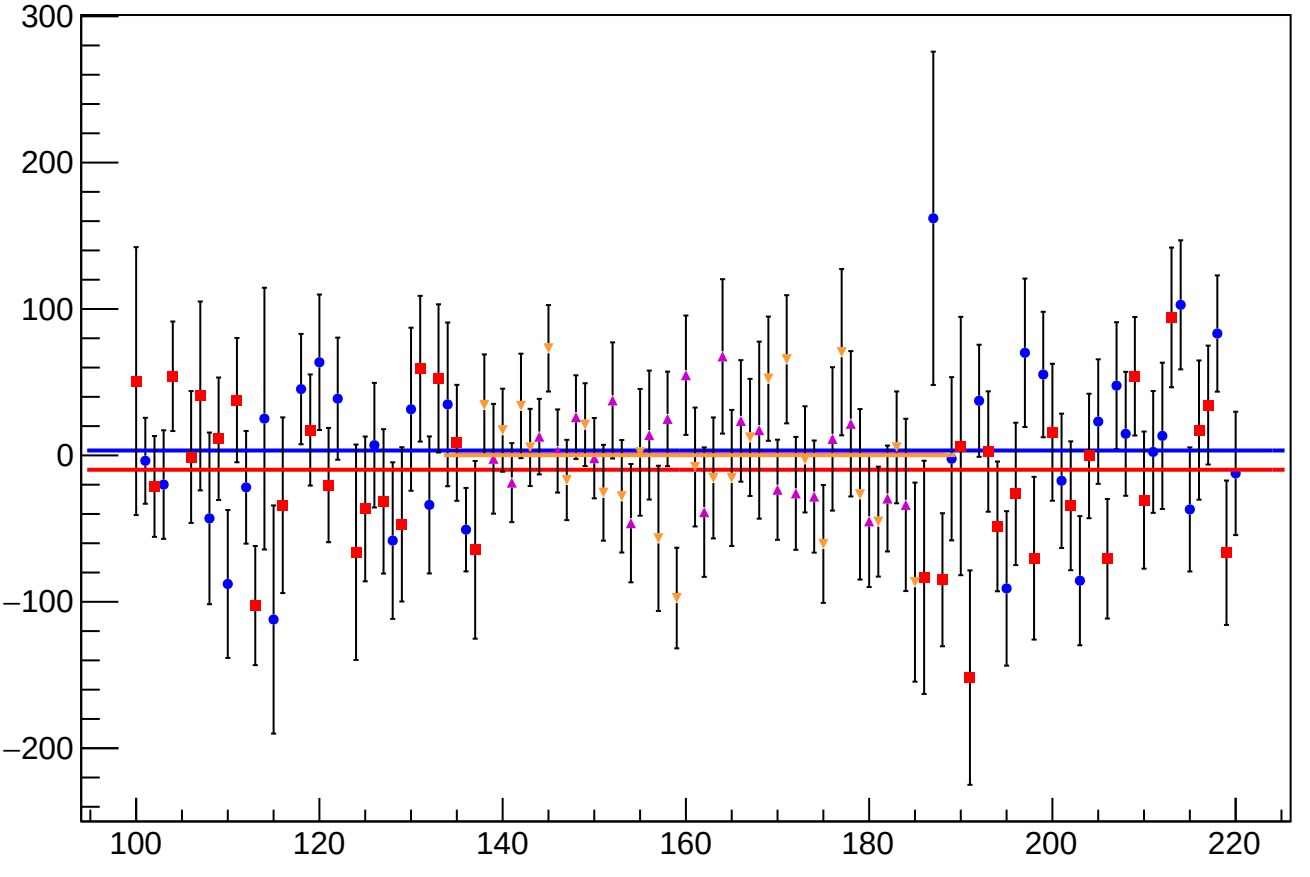
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 244.454+/-0.028 χ^2/NDF: 6366770.7/69

In: 271.474+/-0.032 χ^2/NDF:7158496.3/55

Out: 282.732+/-0.033 χ^2/NDF:7172531.3/61

All: 276.960+/-0.023 χ^2/NDF: 14389855.3/11



Right In: 3.351+/-7.722 χ^2/NDF: 41.8/32

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

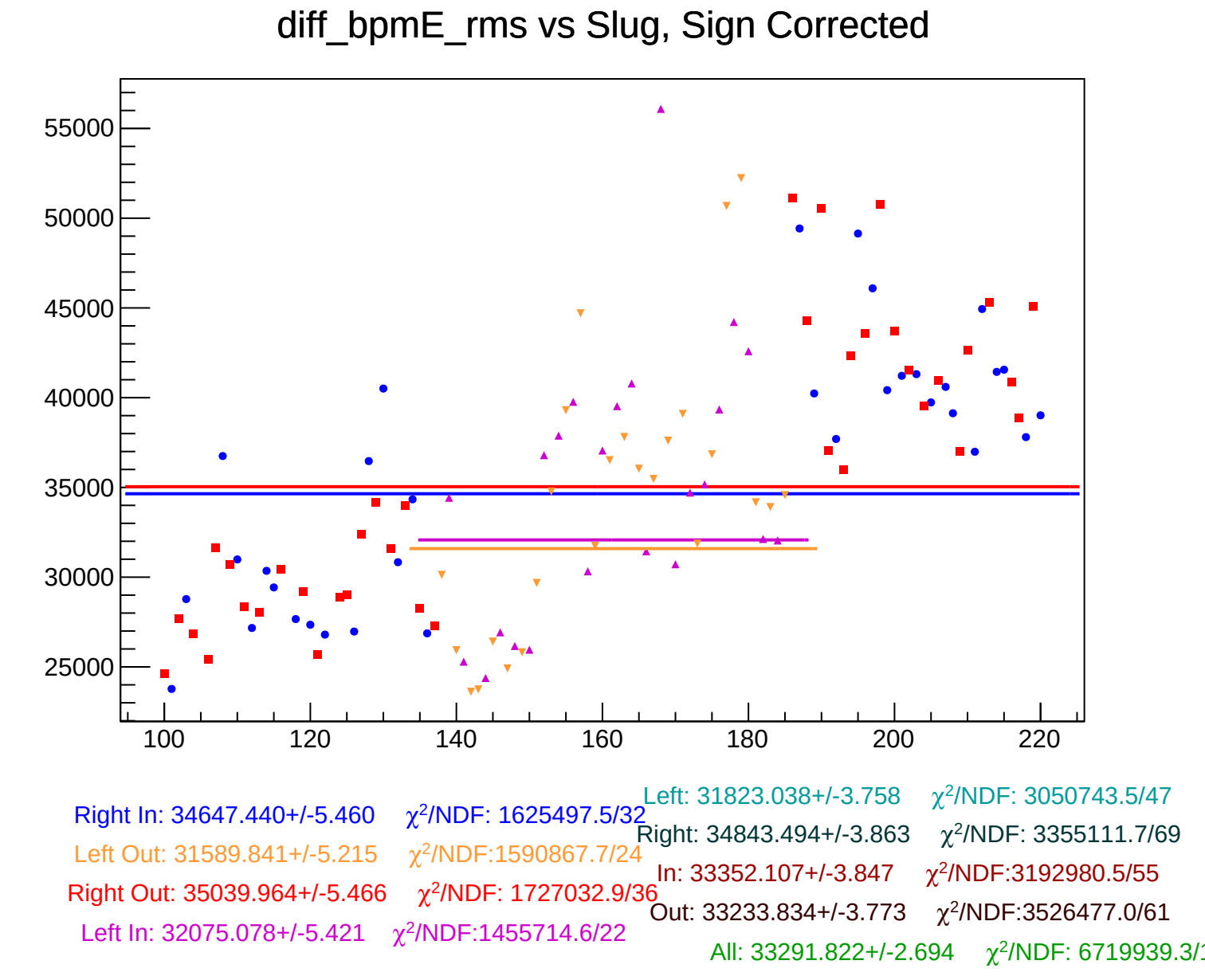
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -3.214+/-5.463 χ^2/NDF: 83.5/69

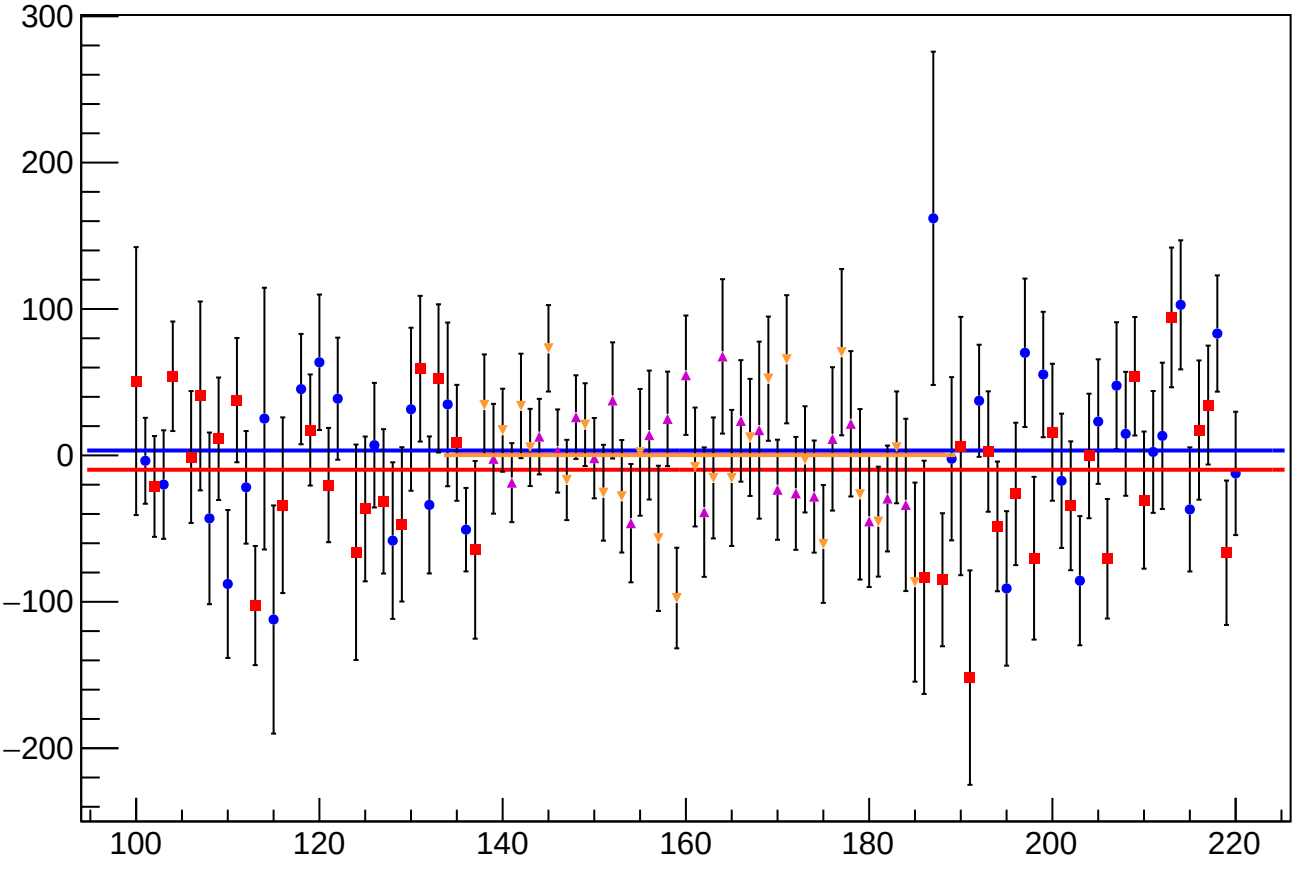
In: 1.959+/-5.441 χ^2/NDF:54.6/55

Out: -4.579+/-5.336 χ^2/NDF:72.3/61

All: -1.373+/-3.810 χ^2/NDF: 127.6/117


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34647.440+/-5.460 χ²/NDF: 1625497.5/32
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34843.494+/-3.863 χ²/NDF: 3355111.7/69
In: 33352.107+/-3.847 χ²/NDF:3192980.5/55
Out: 33233.834+/-3.773 χ²/NDF:3526477.0/61
All: 33291.822+/-2.694 χ²/NDF: 6719939.3/

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: 3.351+/-7.722 χ^2/NDF: 41.8/32

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

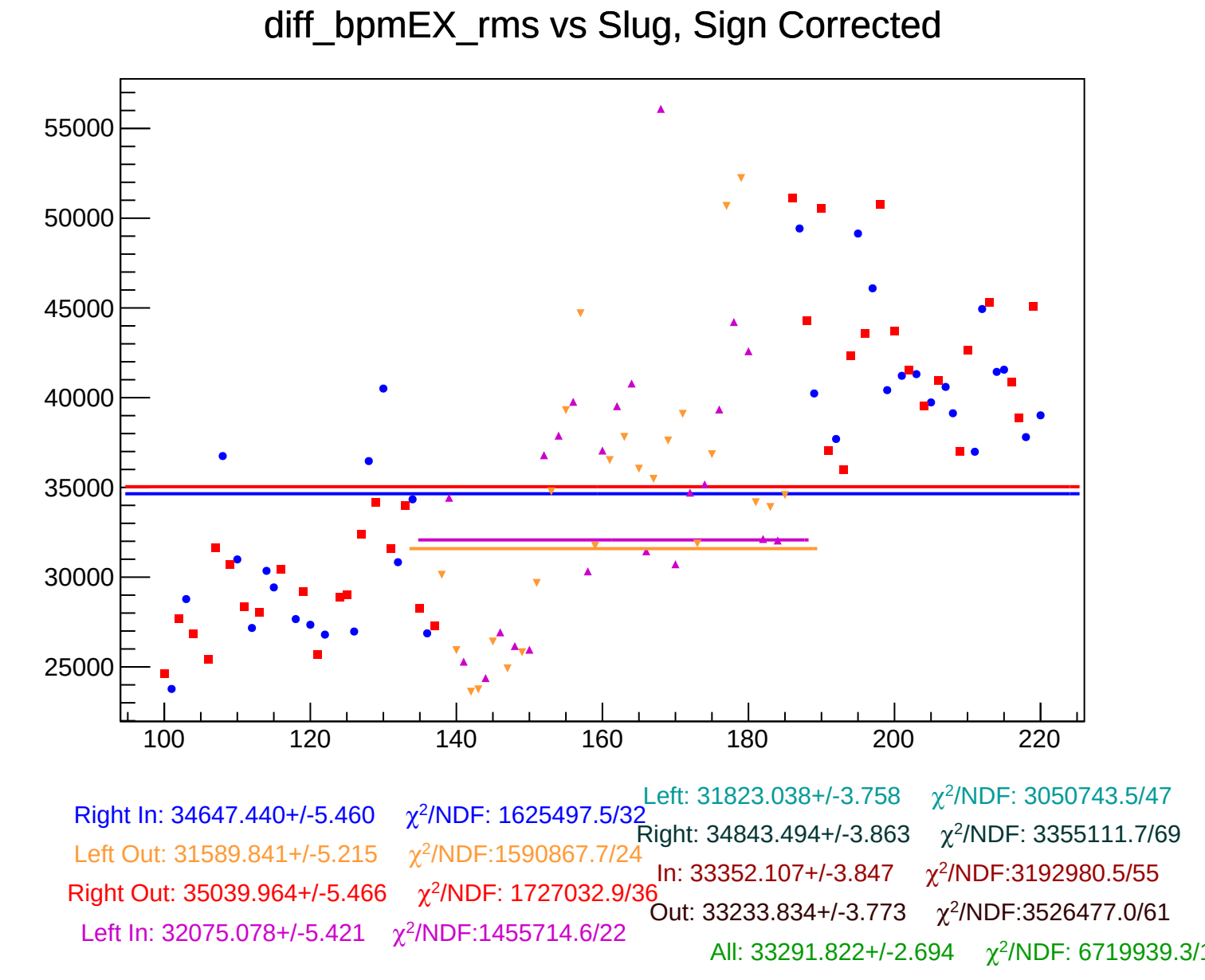
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -3.214+/-5.463 χ^2/NDF: 83.5/69

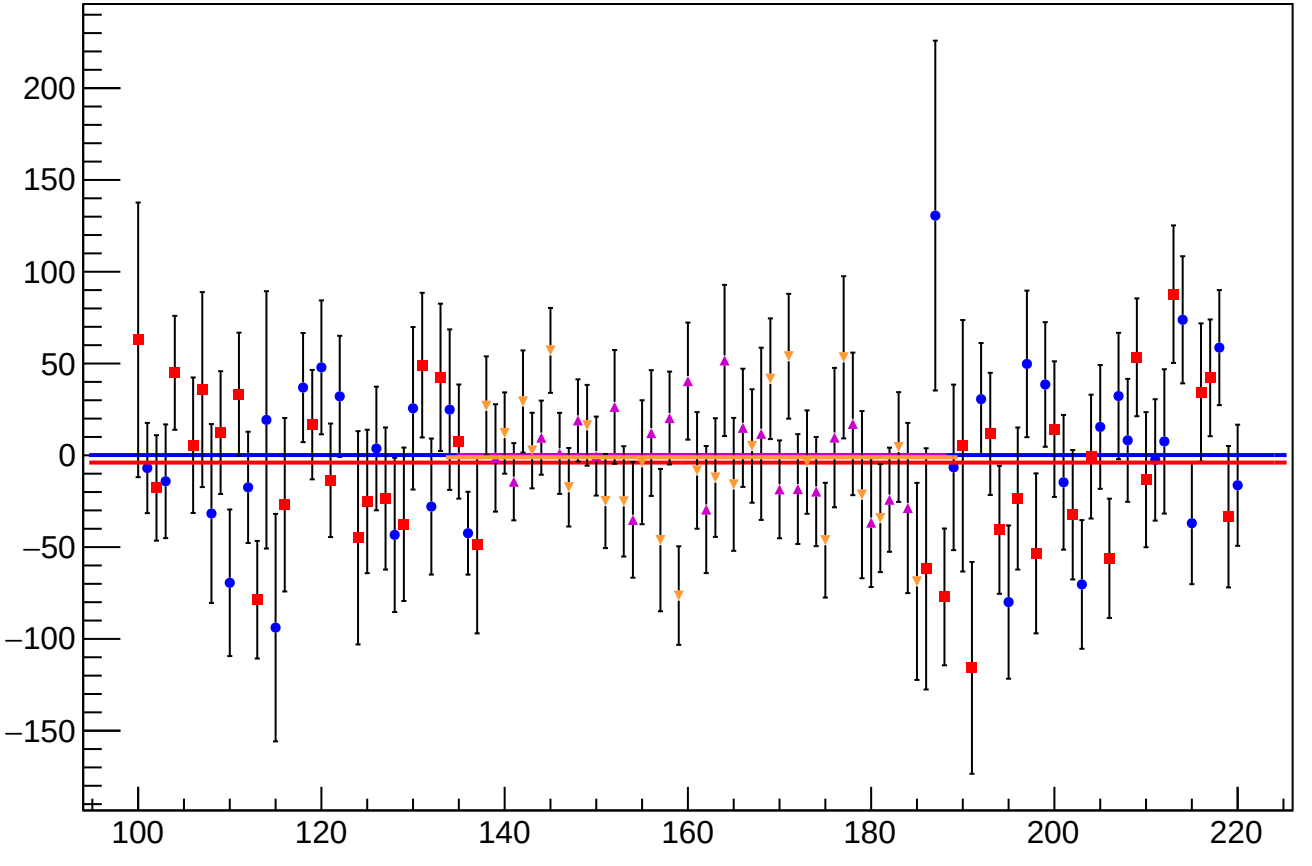
In: 1.959+/-5.441 χ^2/NDF:54.6/55

Out: -4.579+/-5.336 χ^2/NDF:72.3/61

All: -1.373+/-3.810 χ^2/NDF: 127.6/117


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34647.440+/-5.460 χ²/NDF: 1625497.5/32
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34843.494+/-3.863 χ²/NDF: 3355111.7/69
In: 33352.107+/-3.847 χ²/NDF:3192980.5/55
Out: 33233.834+/-3.773 χ²/NDF:3526477.0/61
All: 33291.822+/-2.694 χ²/NDF: 6719939.3/

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: 0.147+/-6.151 χ^2/NDF: 40.8/32

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -3.944+/-6.159 χ^2/NDF: 45.5/36

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

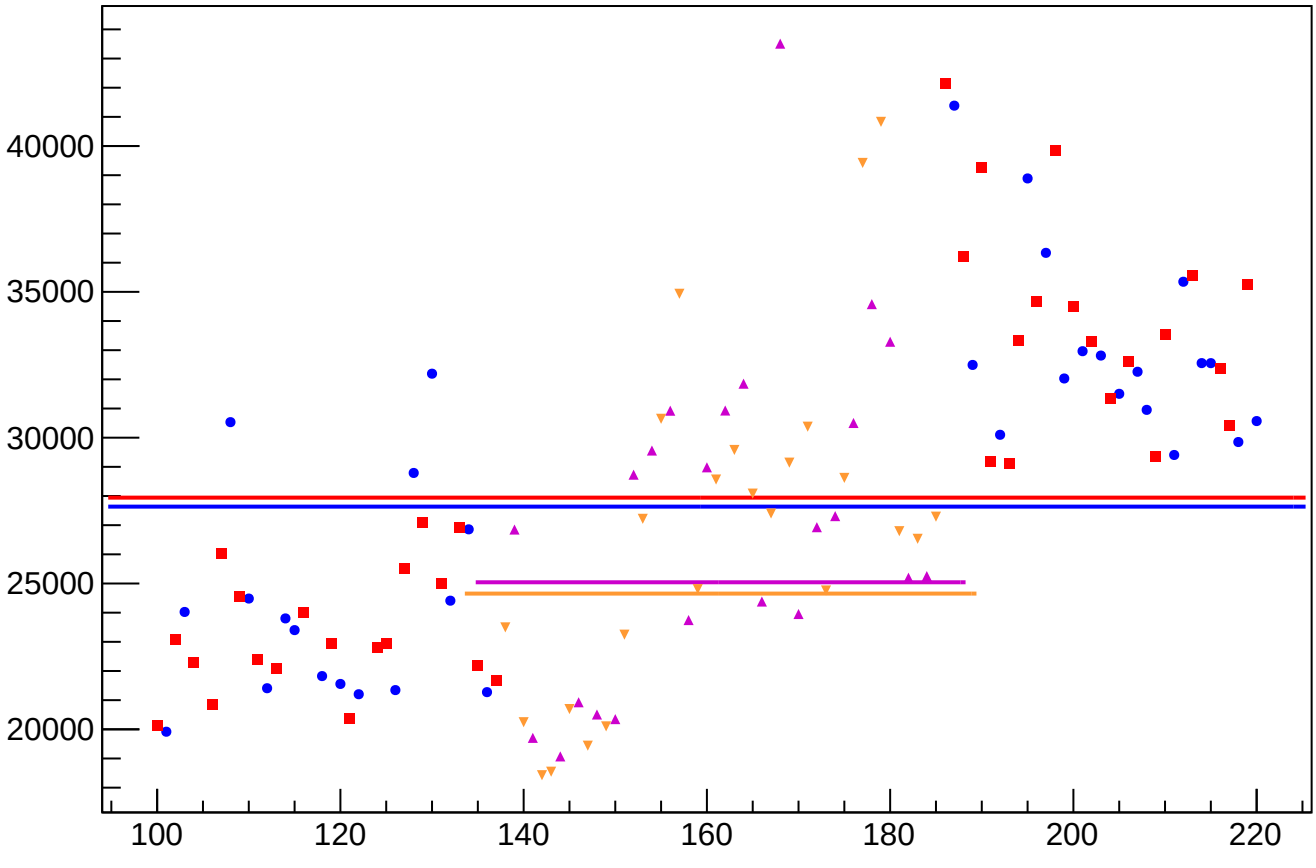
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -1.896+/-4.352 χ^2/NDF: 86.5/69

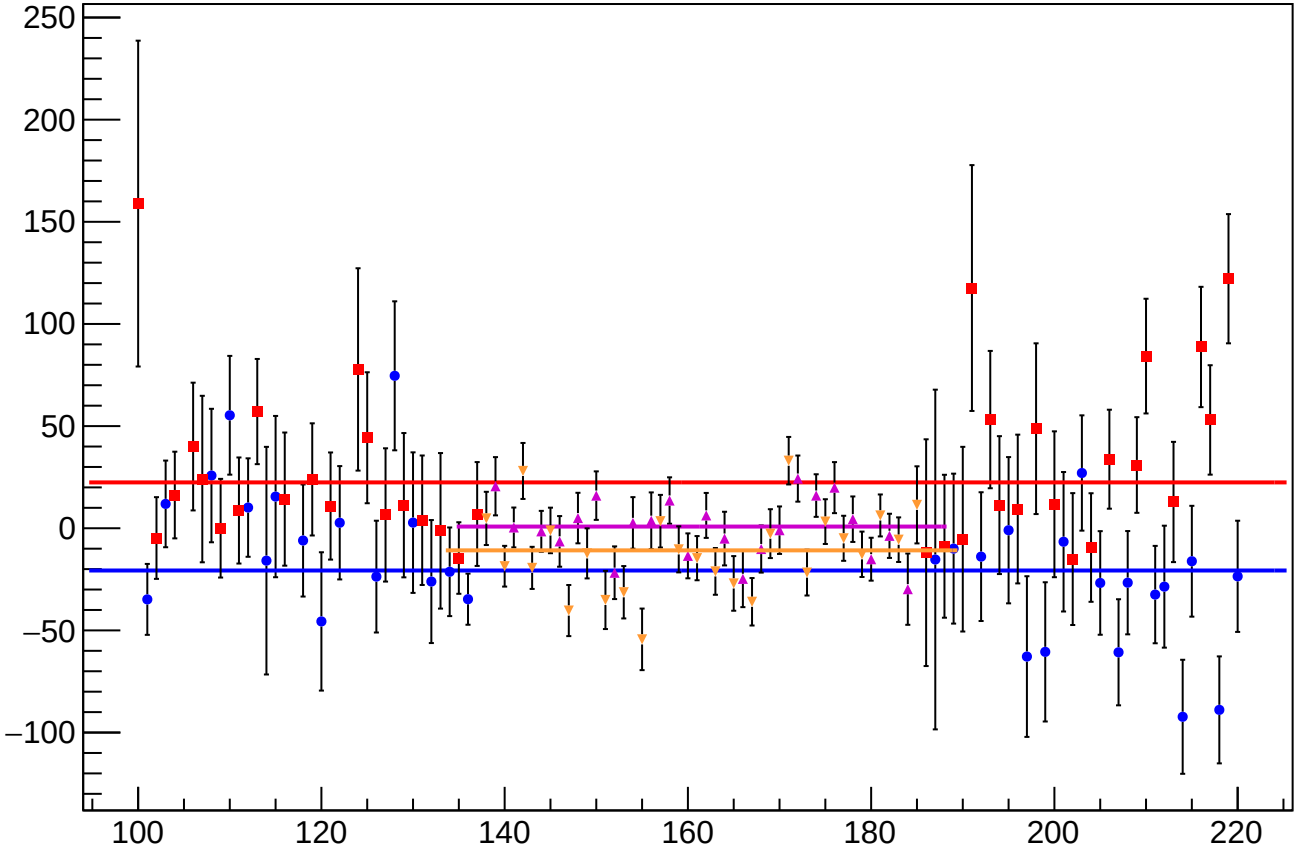
In: 0.147+/-4.289 χ^2/NDF:52.9/55

Out: -2.394+/-4.205 χ^2/NDF:77.9/61

All: -1.149+/-3.003 χ^2/NDF: 131.0/117


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
220
Right In: 27636.064+/-4.349 χ²/NDF: 1531476.6/32
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 27944.438+/-4.355 χ²/NDF: 1649474.4/36
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 27790.052+/-3.077 χ²/NDF: 3183461.2/69
In: 26303.490+/-3.033 χ²/NDF:3155849.9/55
Out: 26187.654+/-2.973 χ²/NDF:3536966.9/61
All: 26244.418+/-2.123 χ²/NDF: 6693560.5/1

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -20.682+/-4.681 χ^2/NDF: 46.7/32

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 22.442+/-4.867 χ^2/NDF: 46.0/36

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

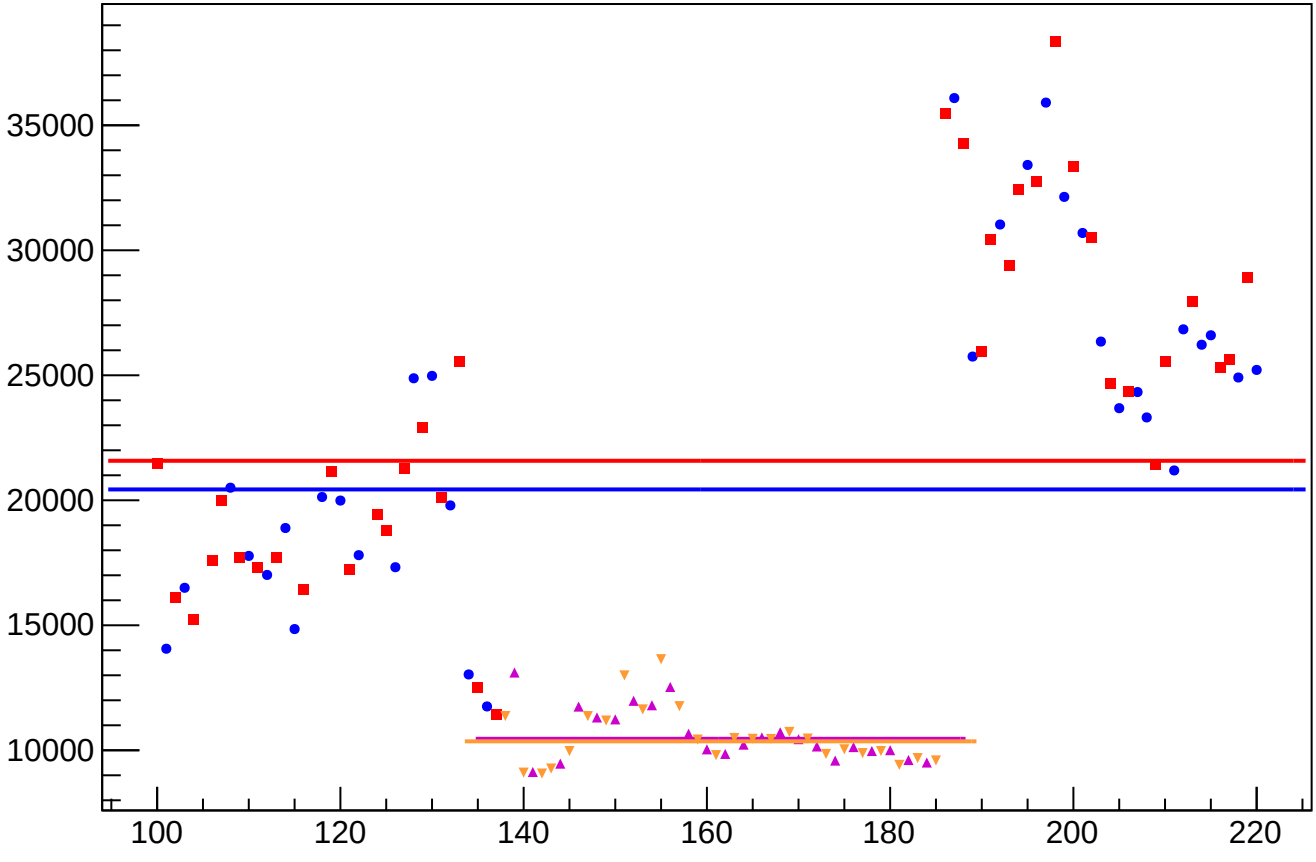
Right: 0.041+/-3.374 χ^2/NDF: 133.5/69

In: -3.819+/-2.176 χ^2/NDF:92.6/55

Out: -4.445+/-2.131 χ^2/NDF:145.1/61

All: -4.139+/-1.522 χ^2/NDF: 237.8/117

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 20433.951+/-3.310 χ^2/NDF: 3665355.4/32

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 21580.130+/-3.442 χ^2/NDF: 3542981.3/36

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

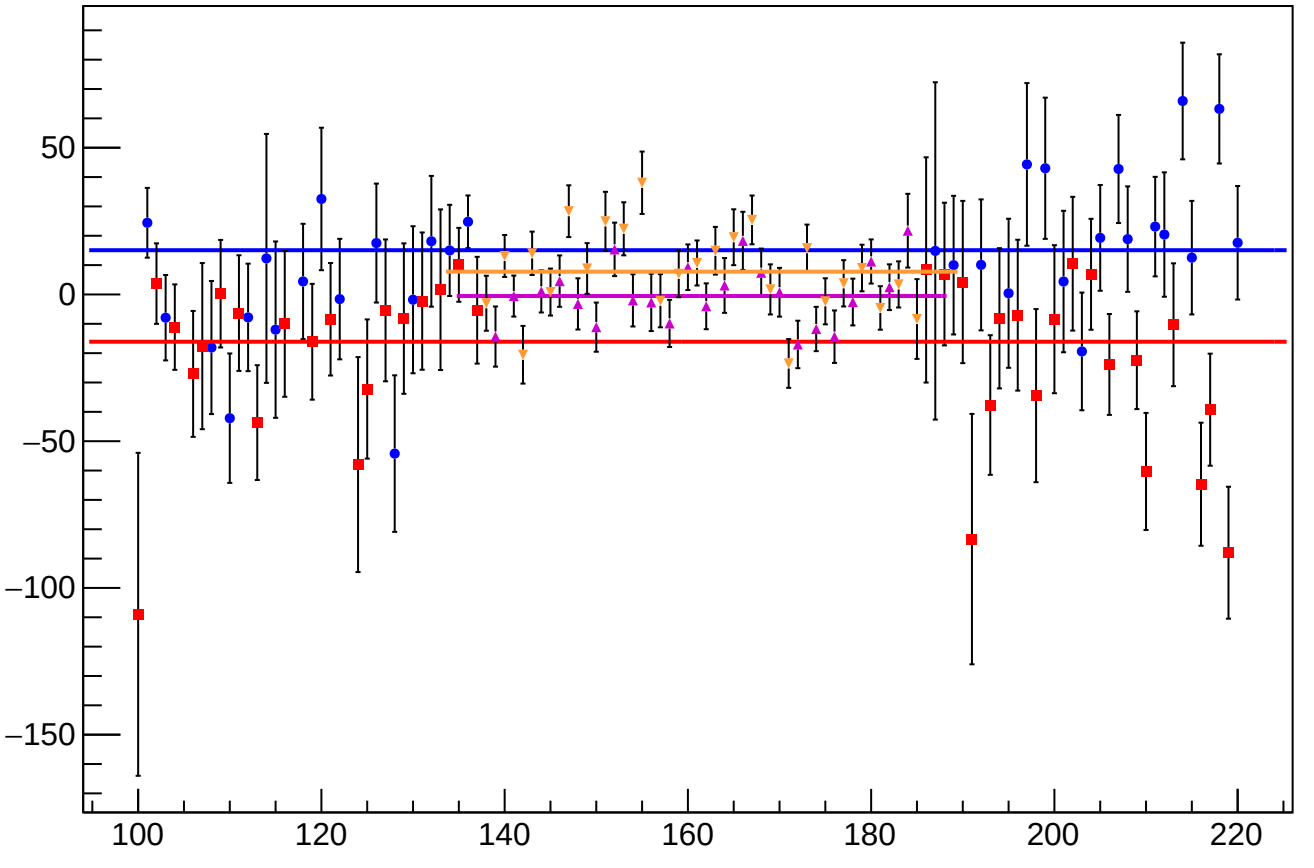
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 20984.724+/-2.386 χ^2/NDF: 7265949.0/69

In: 12613.417+/-1.538 χ^2/NDF:11099247.3/55

Out: 12509.552+/-1.507 χ^2/NDF:12499075.7/61

All: 12560.411+/-1.076 χ^2/NDF: 23600649.3



Right In: 15.076+/-3.341 χ^2/NDF: 46.2/32

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -16.104+/-3.479 χ^2/NDF: 47.2/36

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

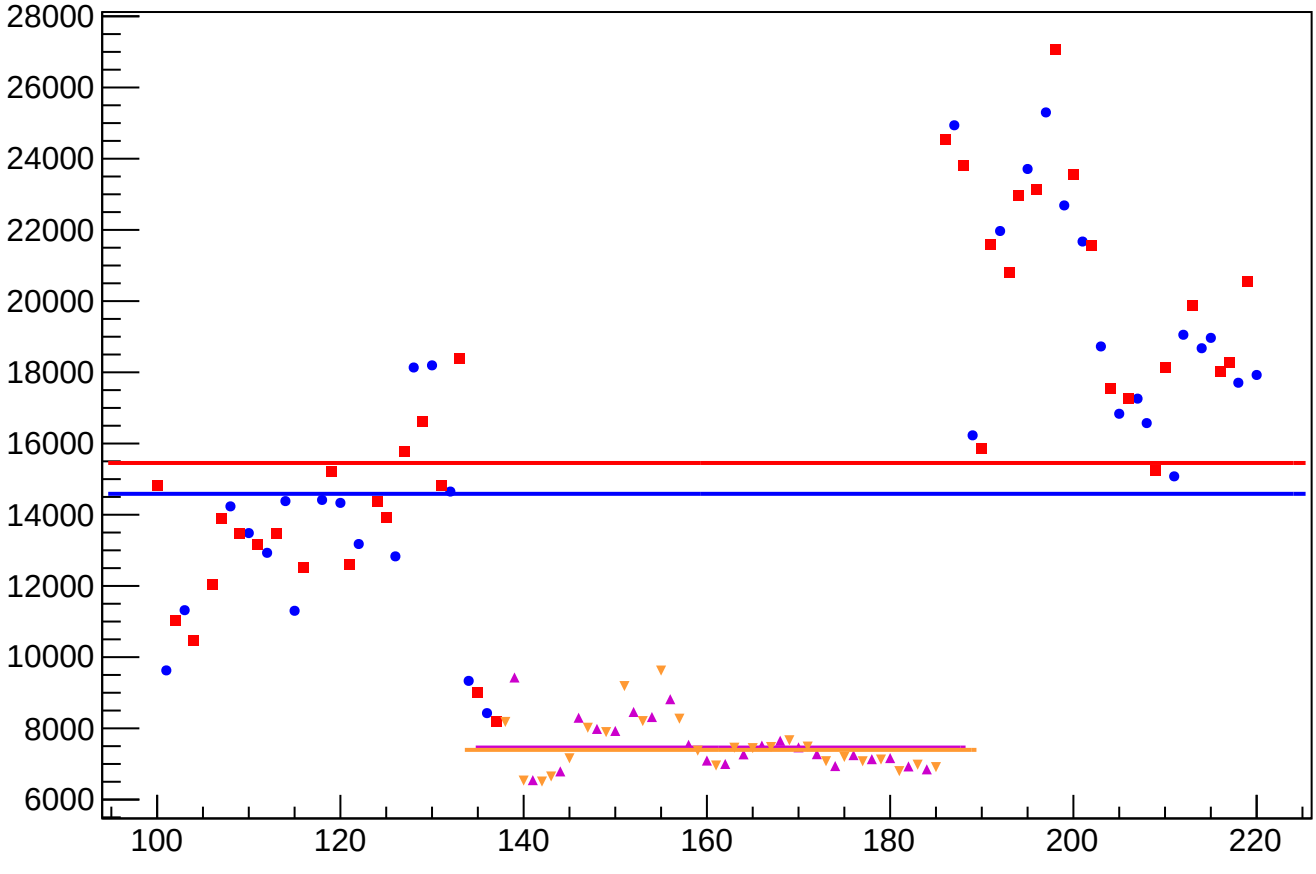
Right: 0.119+/-2.410 χ^2/NDF: 135.2/69

In: 2.835+/-1.552 χ^2/NDF:92.8/55

Out: 3.201+/-1.521 χ^2/NDF:146.2/61

All: 3.021+/-1.086 χ^2/NDF: 239.0/117

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 14587.268+/-2.362 χ^2/NDF: 3594211.6/32

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 15453.736+/-2.460 χ^2/NDF: 3404949.8/36

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

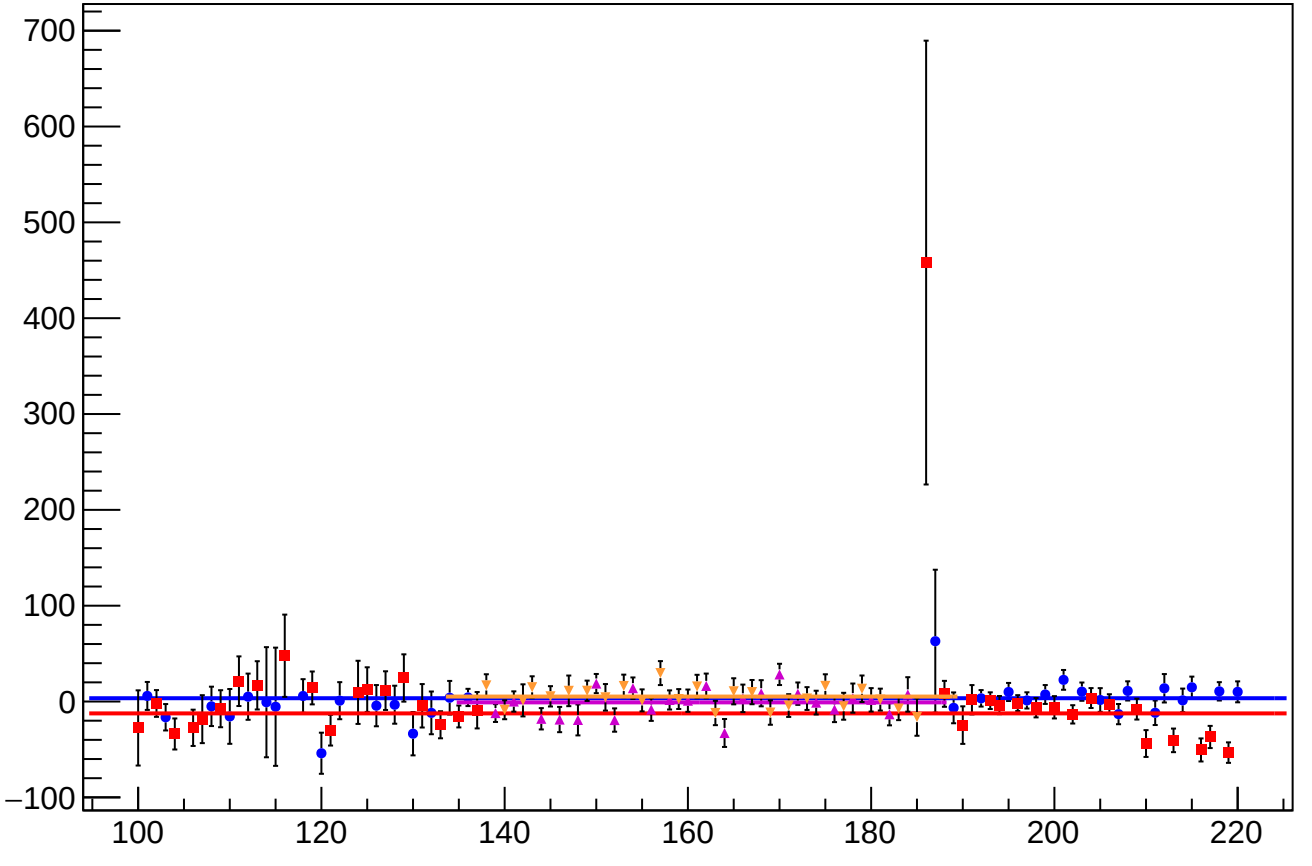
Right: 15002.900+/-1.704 χ^2/NDF: 7063698.2/69

In: 8997.989+/-1.097 χ^2/NDF:11016228.5/55

Out: 8936.041+/-1.076 χ^2/NDF:12406230.5/61

All: 8966.404+/-0.768 χ^2/NDF: 23424084.6/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 3.454+/-2.284 χ^2/NDF: 26.0/32

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -12.387+/-2.274 χ^2/NDF: 74.1/36

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

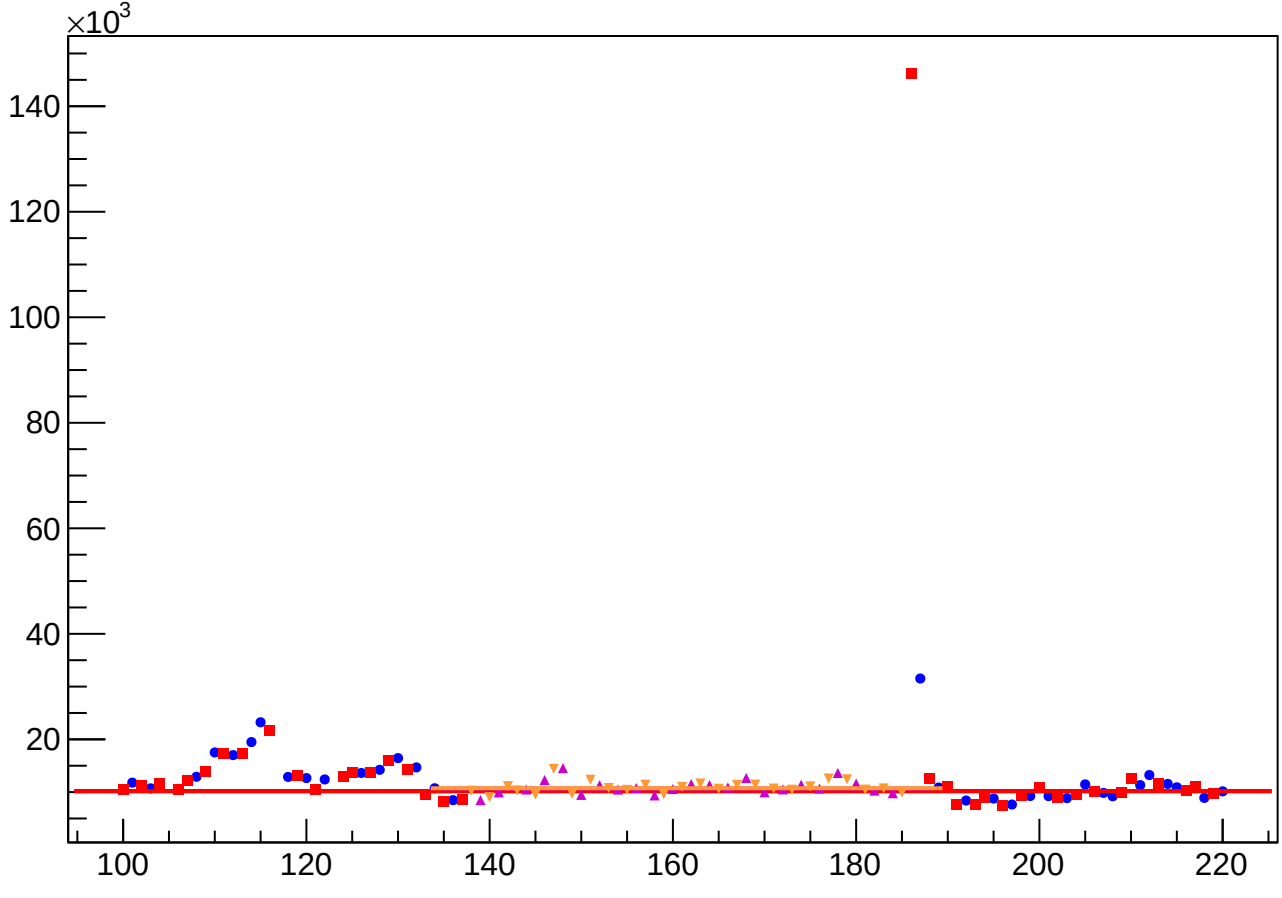
Right: -4.498+/-1.611 χ^2/NDF: 124.3/69

In: 1.493+/-1.692 χ^2/NDF:59.5/55

Out: -4.288+/-1.670 χ^2/NDF:120.0/61

All: -1.435+/-1.188 χ^2/NDF: 185.3/117

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 10179.134+/-1.615 χ^2/NDF: 1801205.8/32

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10177.656+/-1.608 χ^2/NDF: 2405724.4/36

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

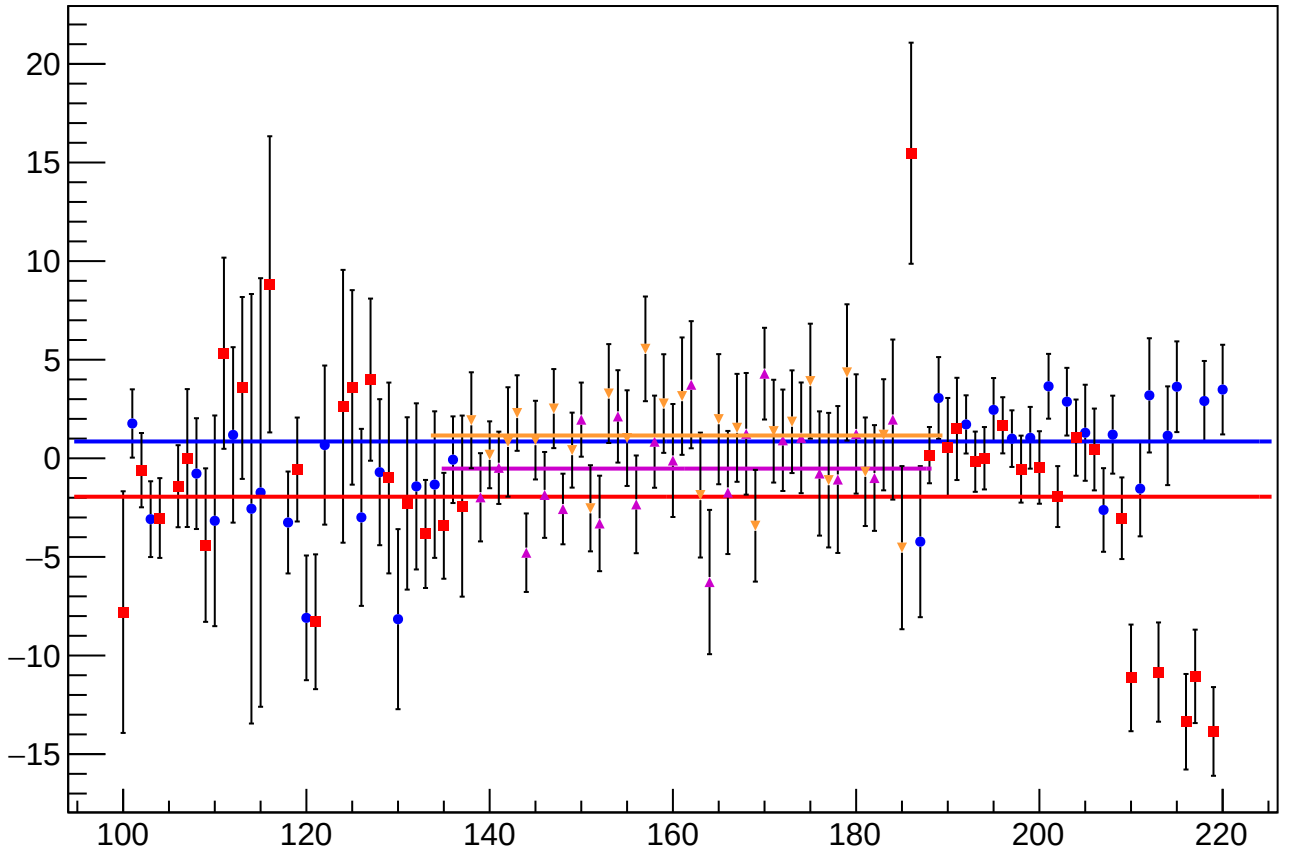
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10178.392+/-1.139 χ^2/NDF: 4206930.6/69

In: 10403.834+/-1.196 χ^2/NDF:2344700.2/55

Out: 10434.069+/-1.181 χ^2/NDF:2829128.0/61

All: 10419.149+/-0.840 χ^2/NDF: 5174151.8/1



Right In: 0.854+/-0.404 χ^2/NDF: 38.4/32

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -1.947+/-0.389 χ^2/NDF: 134.9/36

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

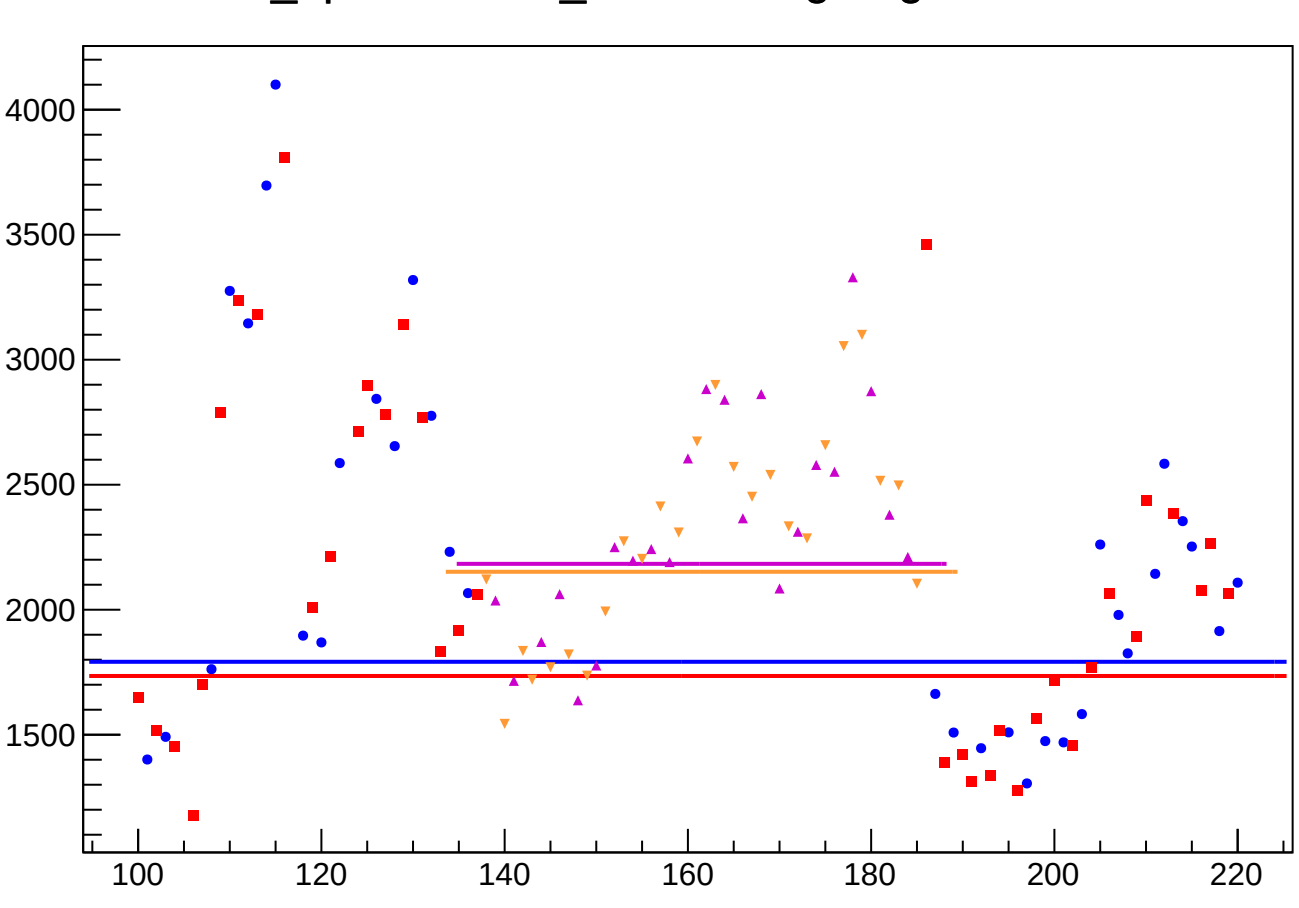
Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

Right: -0.599+/-0.280 χ^2/NDF: 198.2/69

In: 0.336+/-0.319 χ^2/NDF:65.1/55

Out: -0.775+/-0.307 χ^2/NDF:175.7/61

All: -0.241+/-0.221 χ^2/NDF: 247.1/117



Right In: 1791.728+/-0.286 χ^2/NDF: 2472860.6/32

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1734.980+/-0.275 χ^2/NDF: 2912323.2/36

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

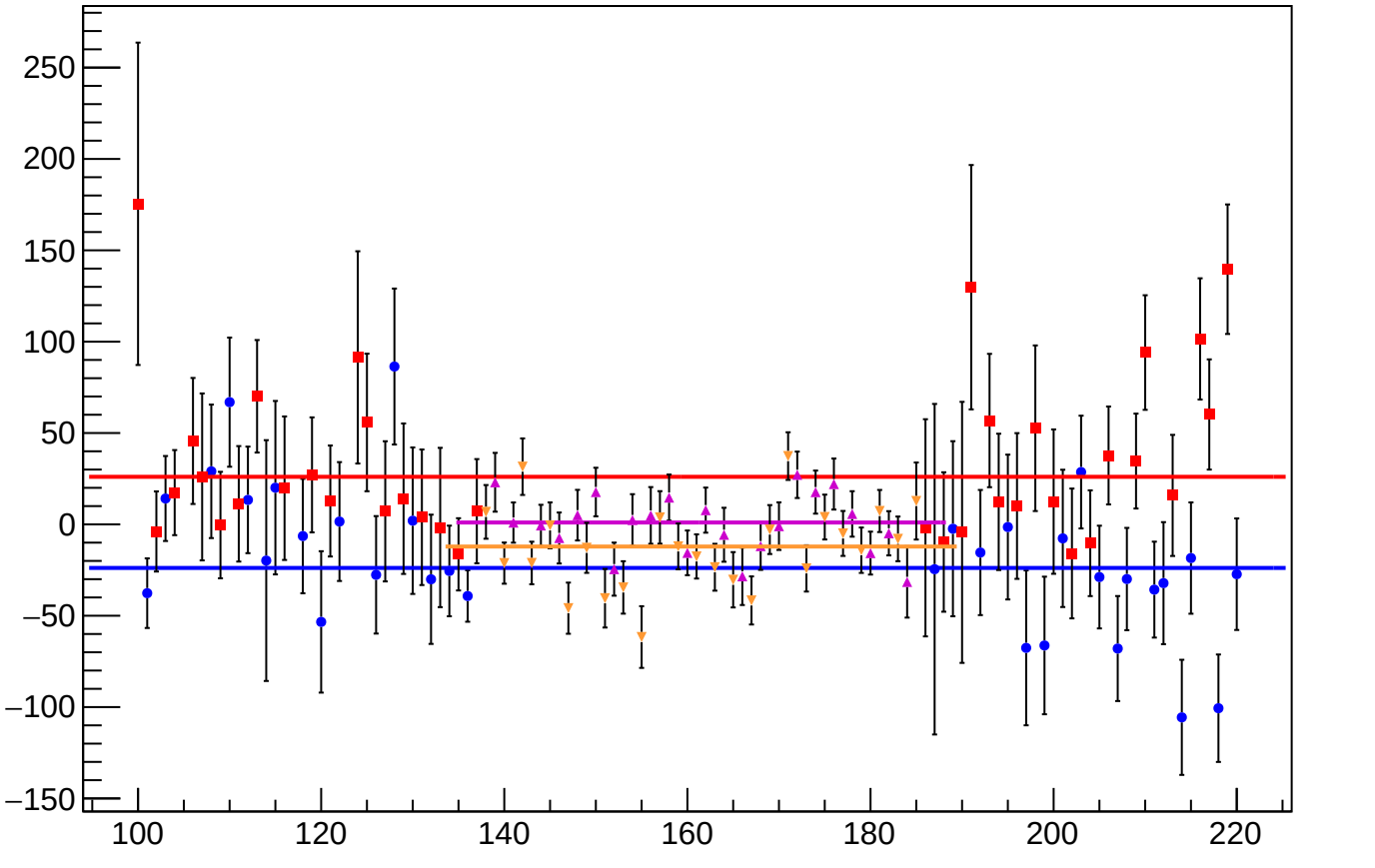
Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

Right: 1762.290+/-0.198 χ^2/NDF: 5405627.0/69

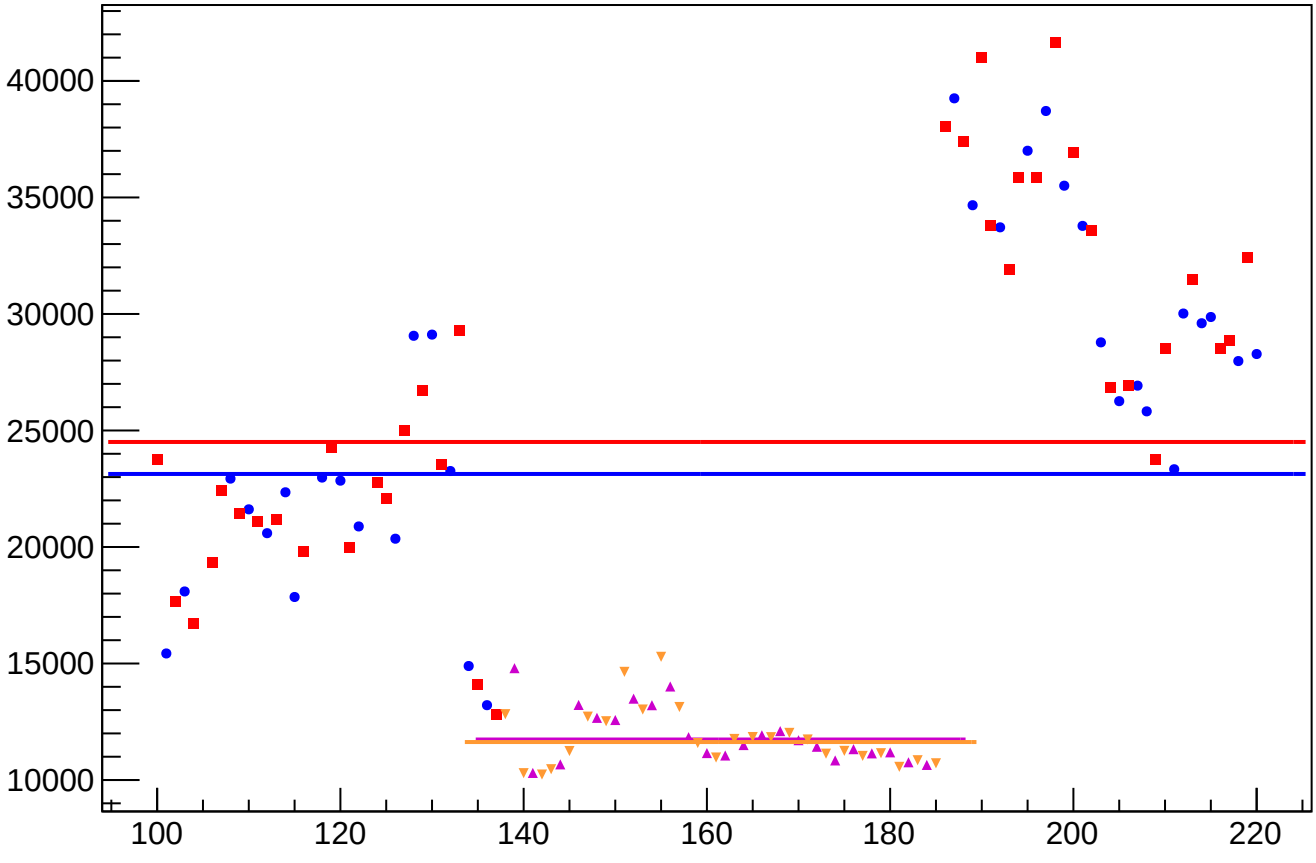
In: 1939.358+/-0.226 χ^2/NDF:4342865.9/55

Out: 1892.272+/-0.217 χ^2/NDF:5126573.5/61

All: 1914.922+/-0.157 χ^2/NDF: 9492034.5/11


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: -23.843+/-5.290 χ²/NDF: 46.5/32
Left Out: -12.135+/-2.661 χ²/NDF:62.6/24
Right Out: 26.034+/-5.516 χ²/NDF: 46.5/36
Left In: 1.024+/-2.758 χ²/NDF:28.8/22
Left: -5.790+/-1.915 χ²/NDF: 103.2/47
Right: 0.051+/-3.818 χ²/NDF: 135.6/69
In: -4.290+/-2.445 χ²/NDF:92.7/55
Out: -4.928+/-2.397 χ²/NDF:147.9/61
All: -4.616+/-1.712 χ²/NDF: 240.7/117

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 23134.095+/-3.740 χ^2/NDF: 3574107.9/32

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 24507.065+/-3.900 χ^2/NDF: 3382844.3/36

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

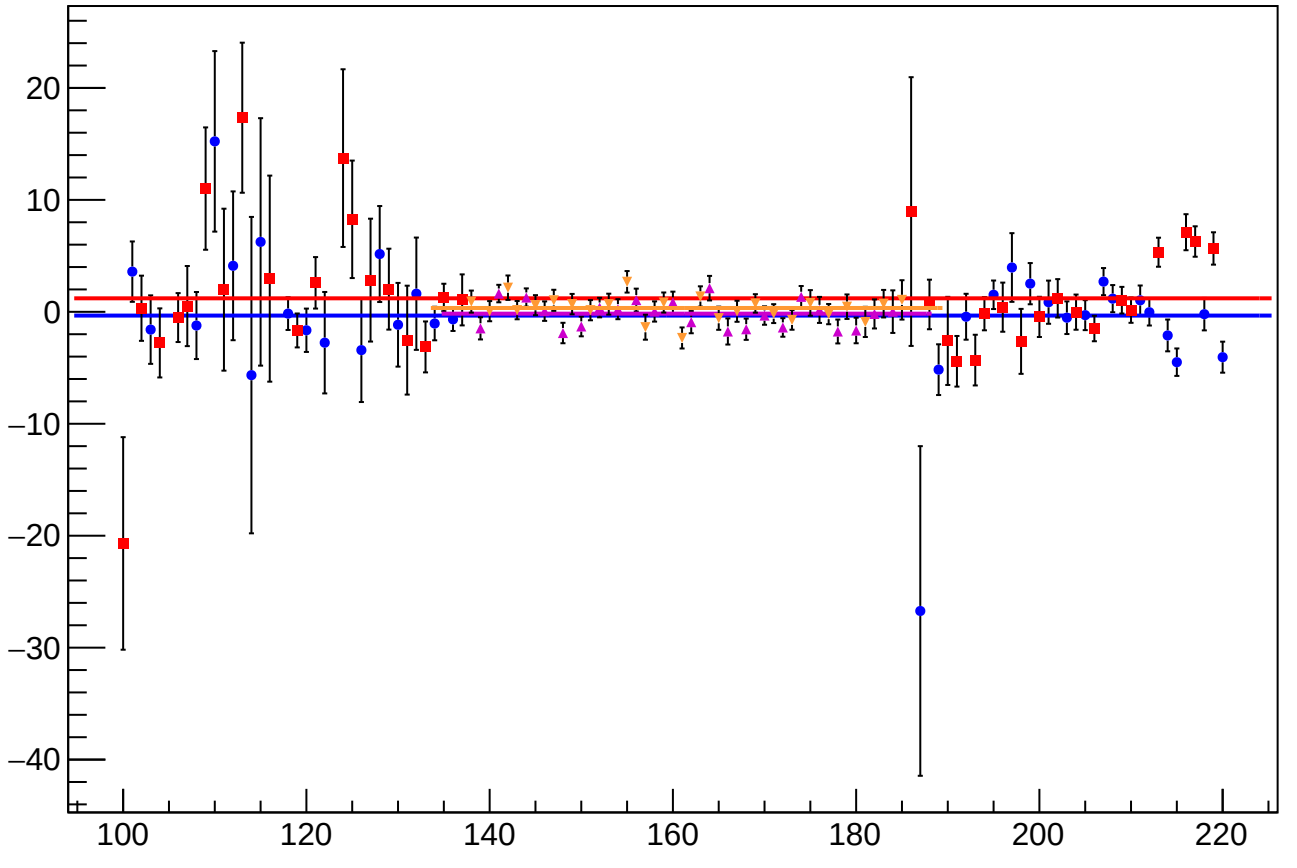
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 23791.842+/-2.700 χ^2/NDF: 7021500.8/69

In: 14173.508+/-1.729 χ^2/NDF:11186348.8/55

Out: 14061.349+/-1.695 χ^2/NDF:12580506.7/61

All: 14116.306+/-1.210 χ^2/NDF: 23769001.5



Right In: -0.335+/-0.311 χ^2/NDF: 54.3/32

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 1.206+/-0.329 χ^2/NDF: 100.7/36

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

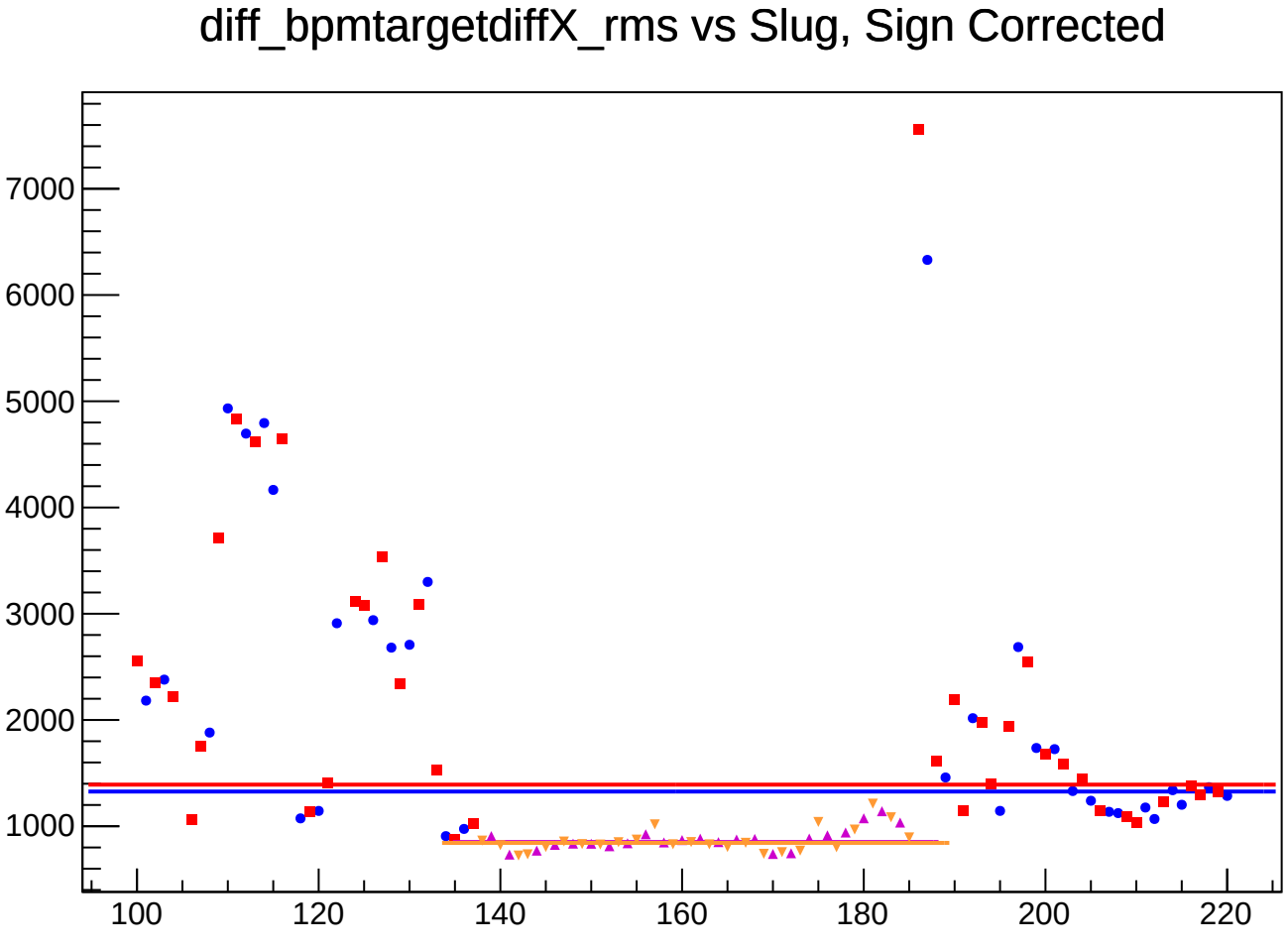
Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

Right: 0.393+/-0.226 χ^2/NDF: 166.5/69

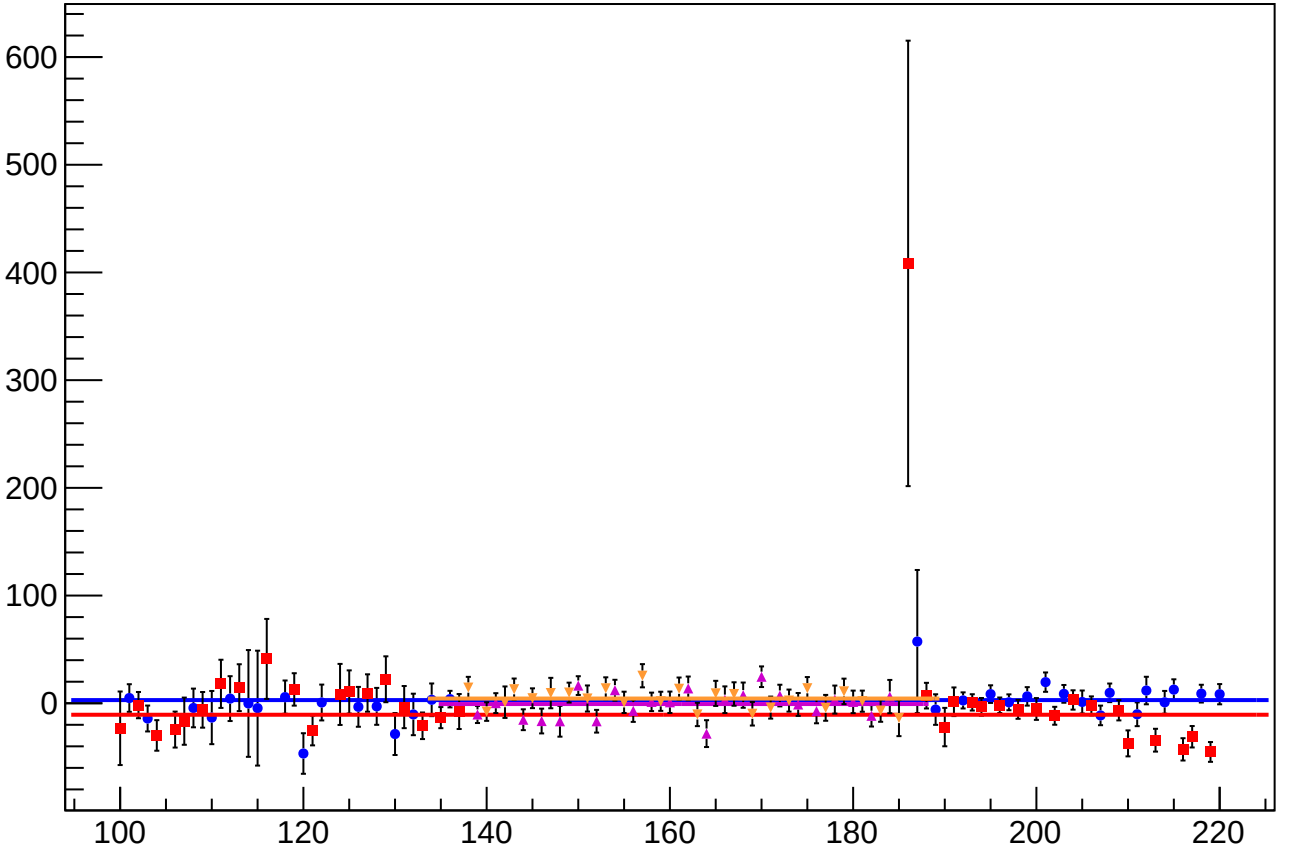
In: -0.215+/-0.169 χ^2/NDF:90.8/55

Out: 0.565+/-0.167 χ^2/NDF:132.5/61

All: 0.179+/-0.119 χ^2/NDF: 234.2/117


diff_bpmtargetdiffX_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1326.528+/-0.220 χ²/NDF: 4748069.6/32
Left Out: 843.266+/-0.137 χ²/NDF:505106.4/24
Right Out: 1391.482+/-0.233 χ²/NDF: 5223357.3/36
Left In: 851.618+/-0.142 χ²/NDF:382555.6/22
Left: 847.291+/-0.099 χ²/NDF: 889453.1/47
Right: 1357.222+/-0.160 χ²/NDF: 10012593.9/69
In: 991.274+/-0.119 χ²/NDF:8418208.2/55
Out: 984.565+/-0.118 χ²/NDF:9855137.5/61
All: 987.883+/-0.084 χ²/NDF: 18274943.1/11

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 2.940+/-1.976 χ^2/NDF: 25.6/32

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -10.670+/-1.971 χ^2/NDF: 72.1/36

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

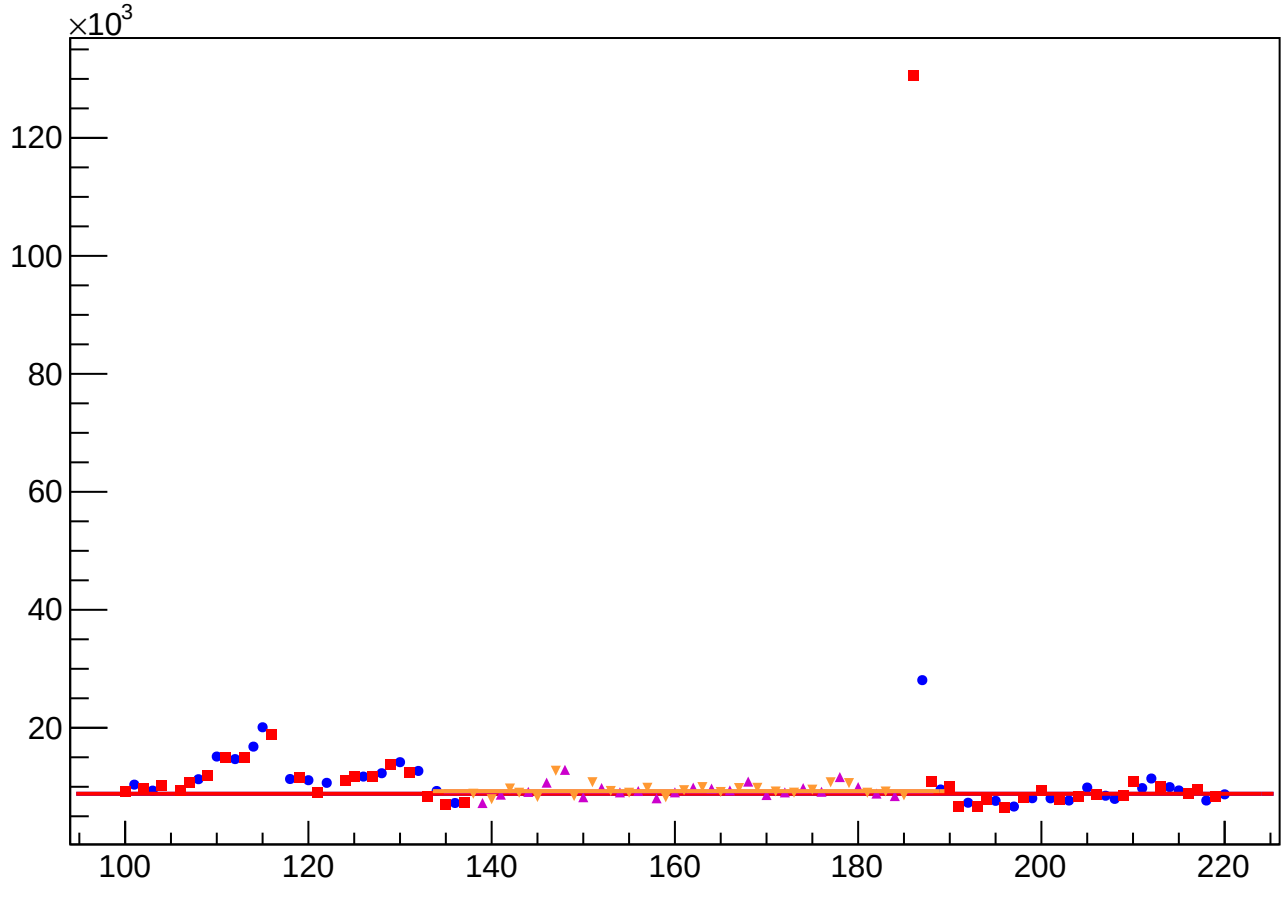
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -3.882+/-1.396 χ^2/NDF: 121.4/69

In: 1.275+/-1.461 χ^2/NDF:59.2/55

Out: -3.696+/-1.444 χ^2/NDF:117.7/61

All: -1.240+/-1.027 χ^2/NDF: 182.7/117



Right In: 8808.008+/-1.397 χ^2/NDF: 1806844.0/32

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8819.223+/-1.394 χ^2/NDF: 2403754.8/36

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

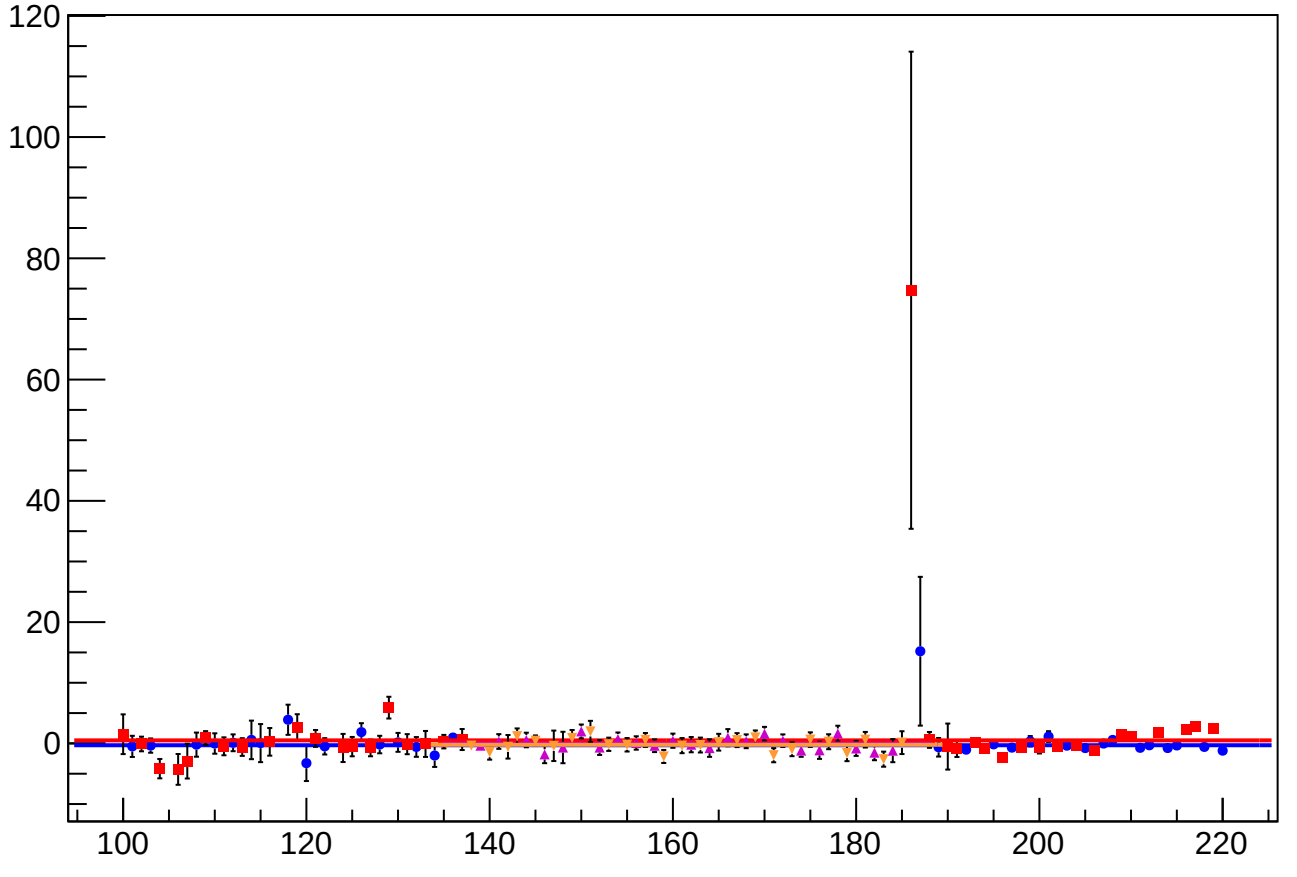
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 8813.629+/-0.987 χ^2/NDF: 4210631.1/69

In: 8985.470+/-1.033 χ^2/NDF:2357920.3/55

Out: 9024.163+/-1.021 χ^2/NDF:2816478.5/61

All: 9005.045+/-0.726 χ^2/NDF: 5175108.2/11



Right In: -0.303+/-0.159 χ^2/NDF: 21.6/32

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.499+/-0.163 χ^2/NDF: 102.1/36

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

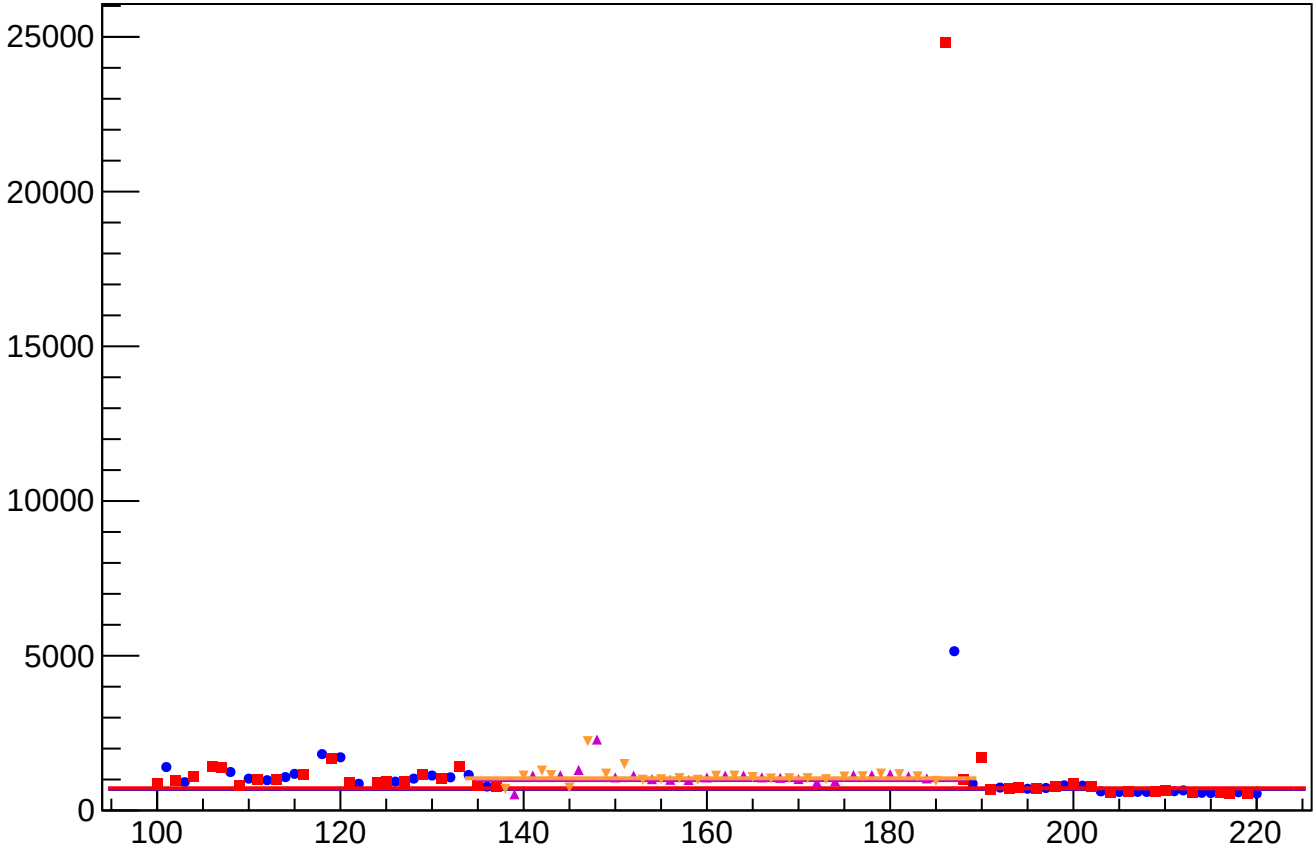
Right: 0.086+/-0.114 χ^2/NDF: 136.1/69

In: -0.218+/-0.132 χ^2/NDF:37.8/55

Out: 0.272+/-0.136 χ^2/NDF:127.2/61

All: 0.021+/-0.095 χ^2/NDF: 171.7/117

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 696.436+/-0.112 χ^2/NDF: 2958589.9/32

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 715.647+/-0.116 χ^2/NDF: 3393972.1/36

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

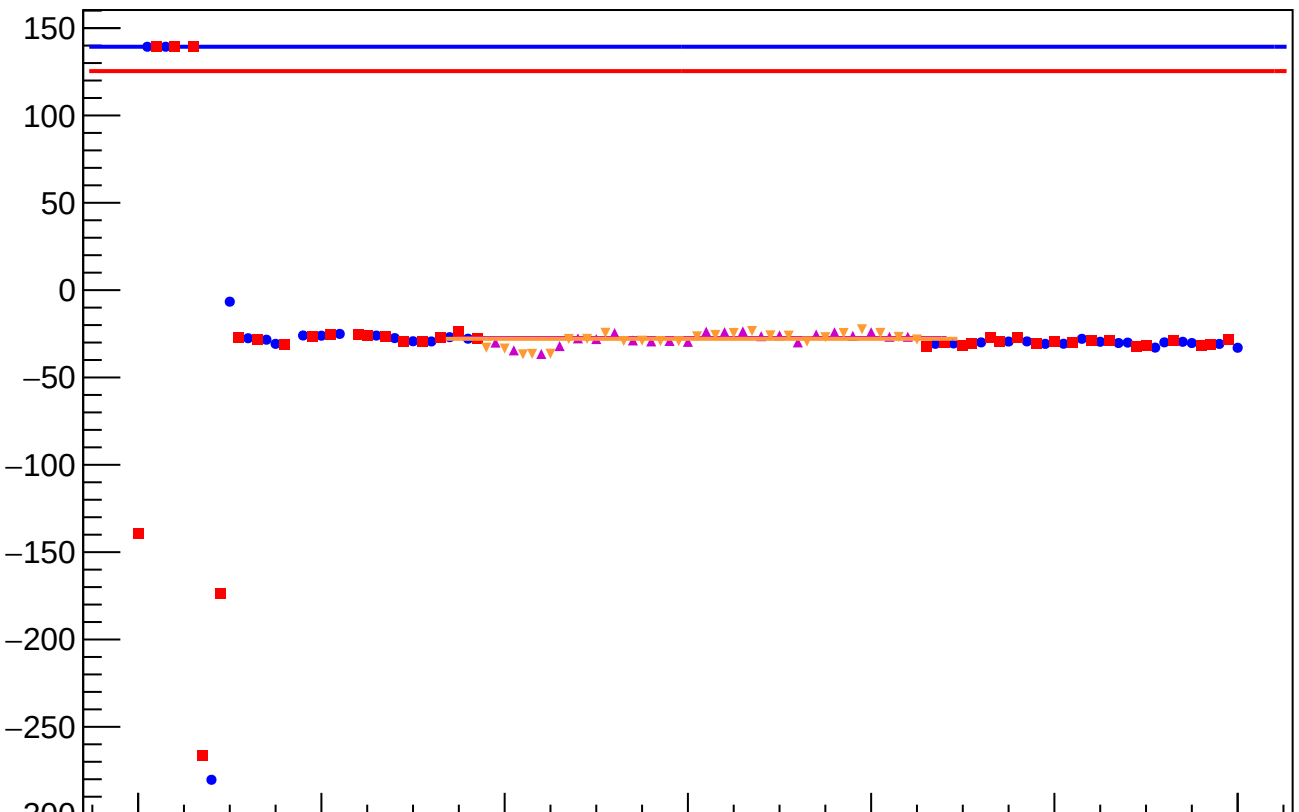
Right: 705.766+/-0.081 χ^2/NDF: 6366770.7/69

In: 783.776+/-0.094 χ^2/NDF:7158496.3/55

Out: 816.281+/-0.096 χ^2/NDF:7172531.3/61

All: 799.617+/-0.067 χ^2/NDF: 14389855.3/11

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.336+/-0.000 χ^2/NDF: 71912202847.3/32

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774194018093061.0/36

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

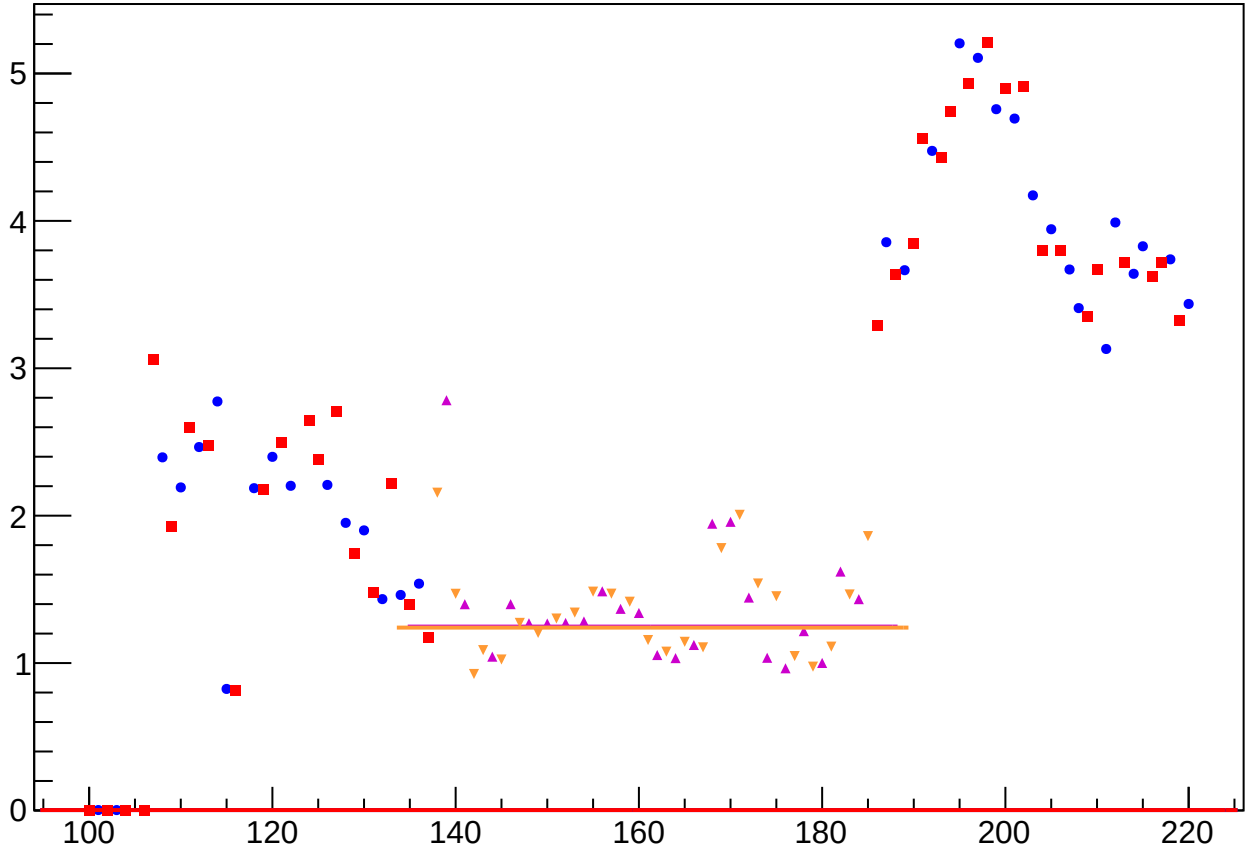
Right: 131.817+/-0.000 χ^2/NDF: 793050336939074

In: 139.327+/-0.000 χ^2/NDF:326309594297.7/55

Out: 125.384+/-0.000 χ^2/NDF:774424705342033.

All: 131.810+/-0.000 χ^2/NDF: 79353274723

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 36314487.1/32

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 36916850.9/36

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

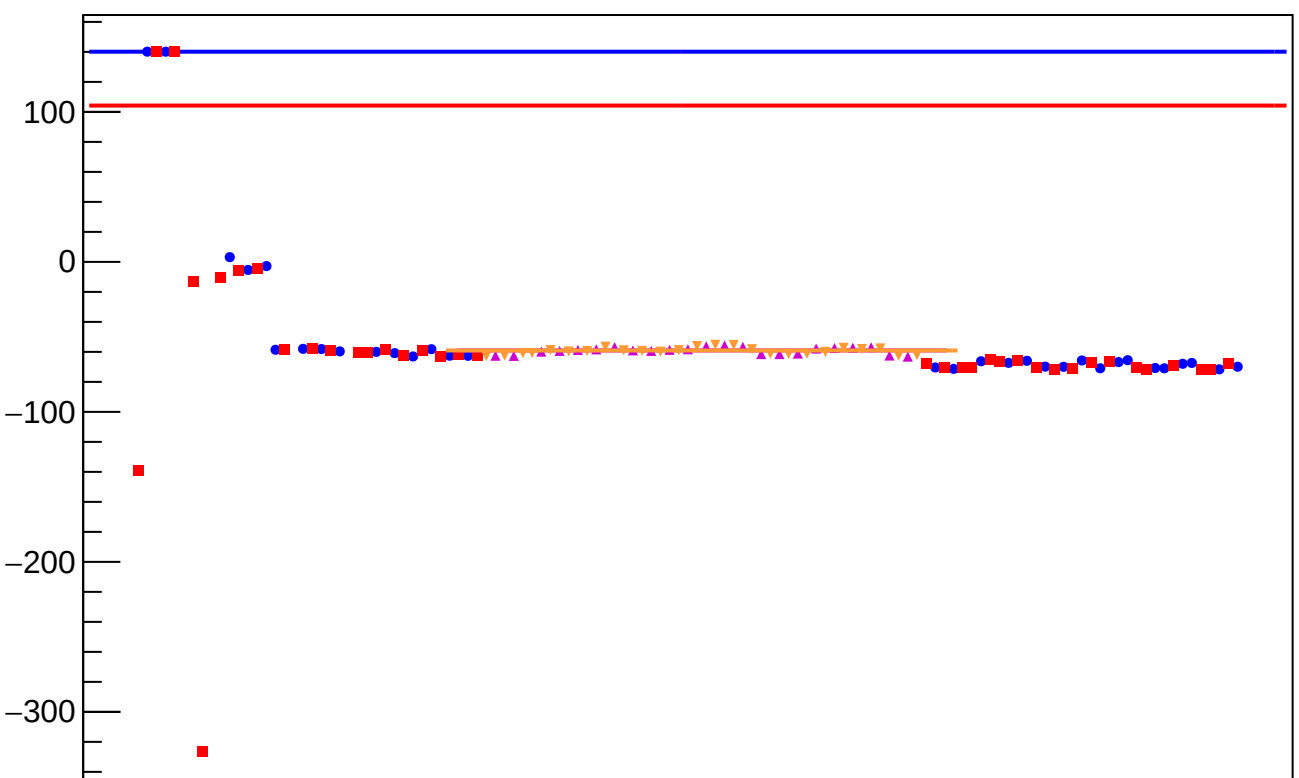
Right: 0.003+/-0.000 χ^2/NDF: 73231553.2/69

In: 0.003+/-0.000 χ^2/NDF:66079398.0/55

Out: 0.003+/-0.000 χ^2/NDF:68216456.3/61

All: 0.003+/-0.000 χ^2/NDF: 134296147.3/117

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.132+/-0.000 χ^2/NDF: 605961957579.4/32

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.215+/-0.000 χ^2/NDF: 1257717494106069.5/36

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

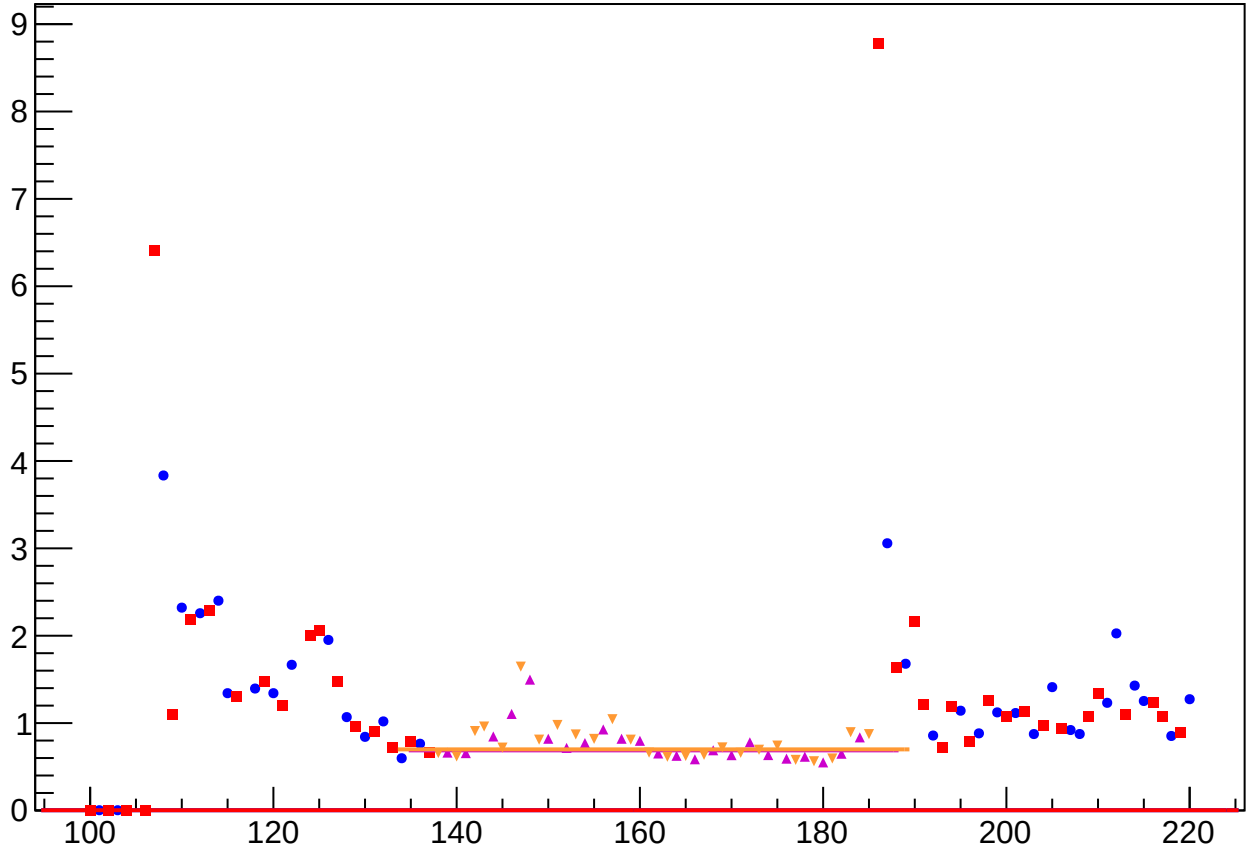
Right: 120.822+/-0.000 χ^2/NDF: 138161942818242

In: 140.096+/-0.000 χ^2/NDF:1881421701503.1/55

Out: 104.190+/-0.000 χ^2/NDF:1258589055583430

All: 120.791+/-0.000 χ^2/NDF: 13837173858

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 33038184.8/32

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 34272336.2/36

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

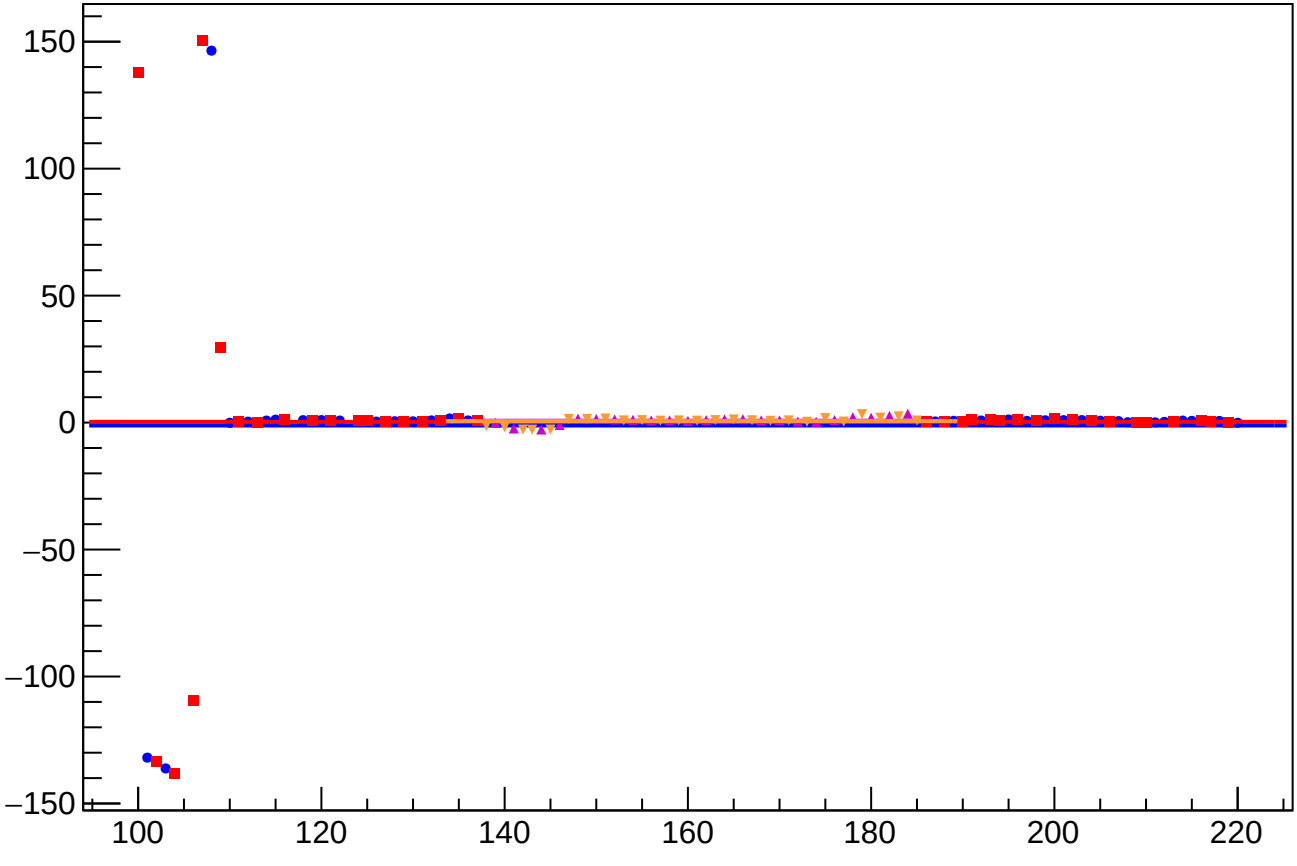
Right: 0.003+/-0.000 χ^2/NDF: 67310784.2/69

In: 0.003+/-0.000 χ^2/NDF:64340077.2/55

Out: 0.003+/-0.000 χ^2/NDF:67325730.9/61

All: 0.003+/-0.000 χ^2/NDF: 131666304.4/117

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.146+/-0.000 χ^2/NDF: 9913464877.1/32

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.299+/-0.000 χ^2/NDF: 3613096140.1/36

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

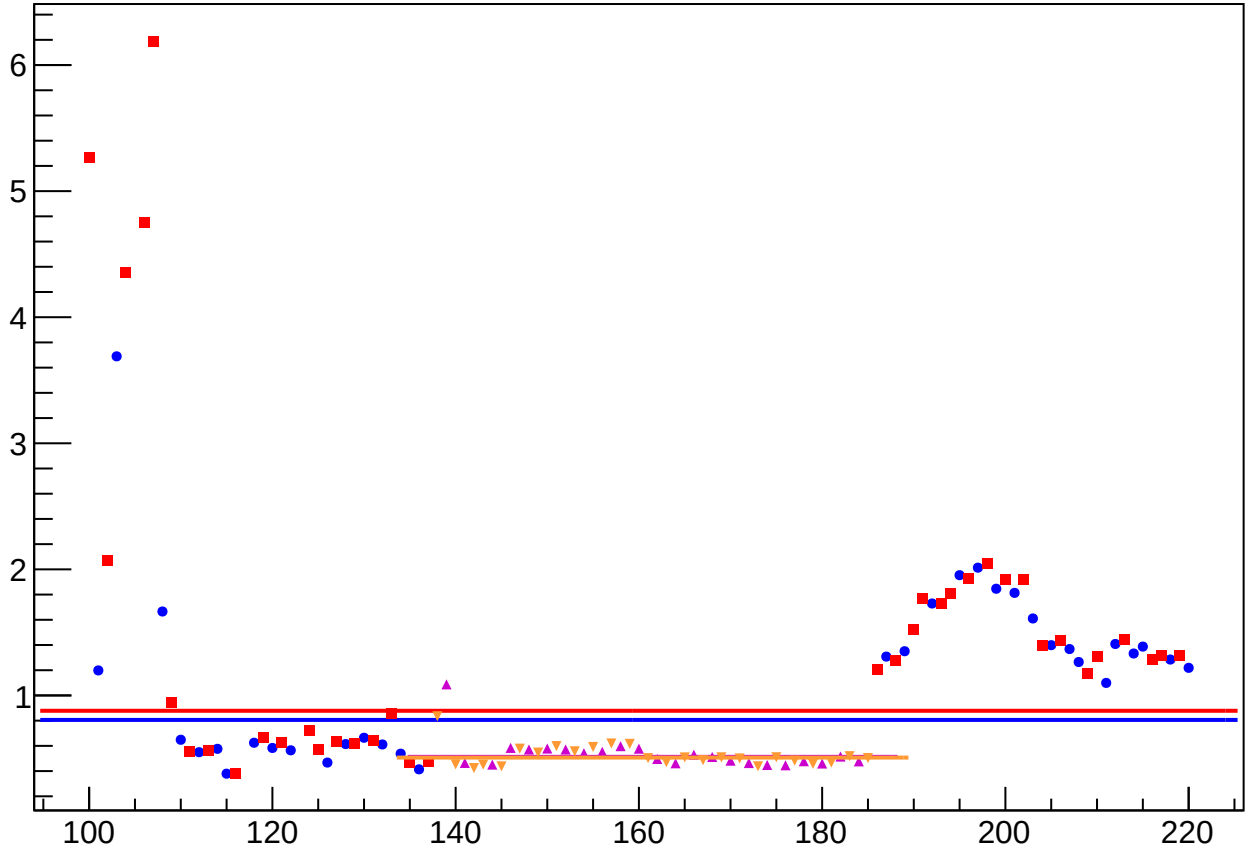
Right: -0.474+/-0.000 χ^2/NDF: 13548478838.5/69

In: 0.193+/-0.000 χ^2/NDF:10075372595.7/55

Out: 0.507+/-0.000 χ^2/NDF:3768594186.7/61

All: 0.352+/-0.000 χ^2/NDF: 13847904621.3/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.806+/-0.000 χ^2/NDF: 9190939.6/32

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.878+/-0.000 χ^2/NDF: 9366162.3/36

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

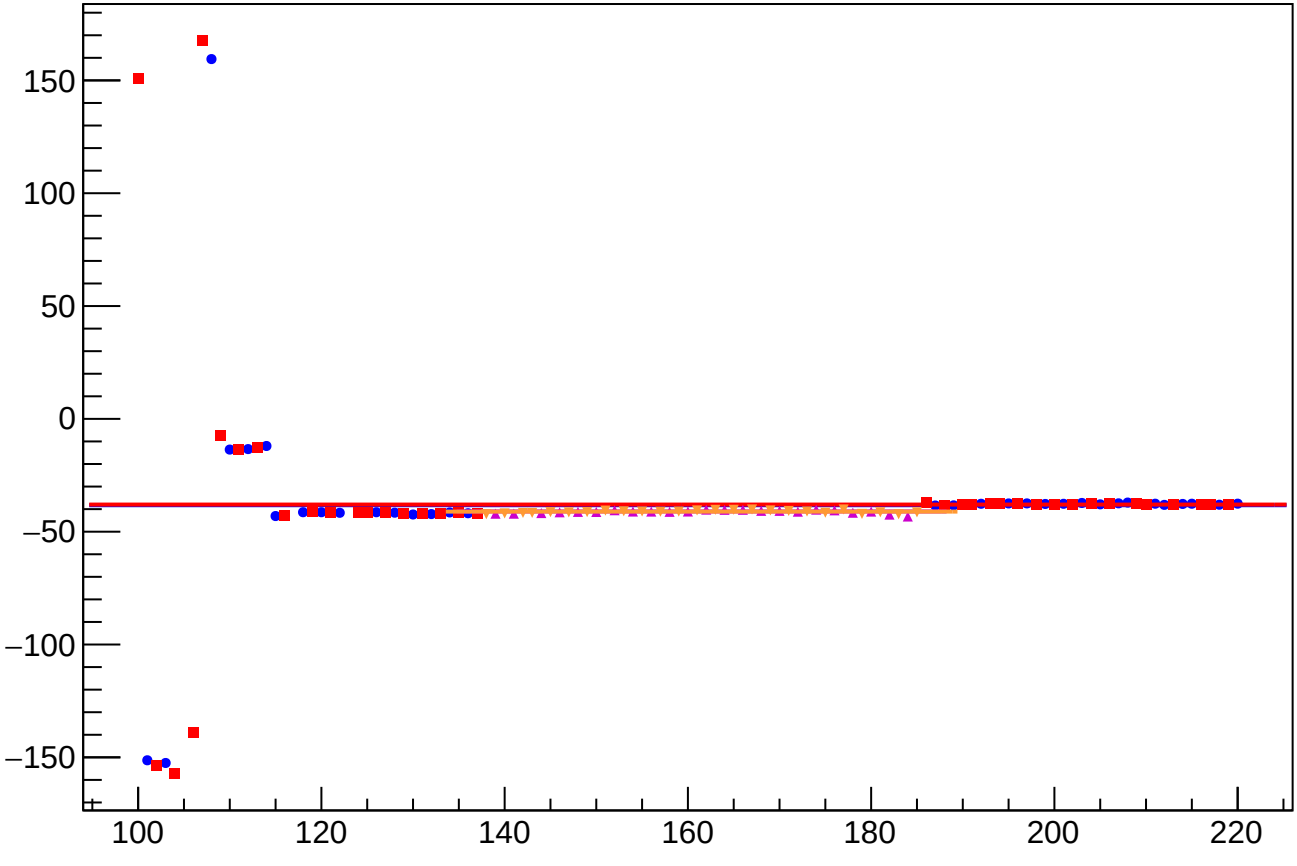
Right: 0.840+/-0.000 χ^2/NDF: 18667648.4/69

In: 0.597+/-0.000 χ^2/NDF:12707907.8/55

Out: 0.598+/-0.000 χ^2/NDF:14015974.9/61

All: 0.597+/-0.000 χ^2/NDF: 26723916.7/117

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.267+/-0.000 χ^2/NDF: 3625321155.9/32

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.978+/-0.000 χ^2/NDF: 2514614432.7/36

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

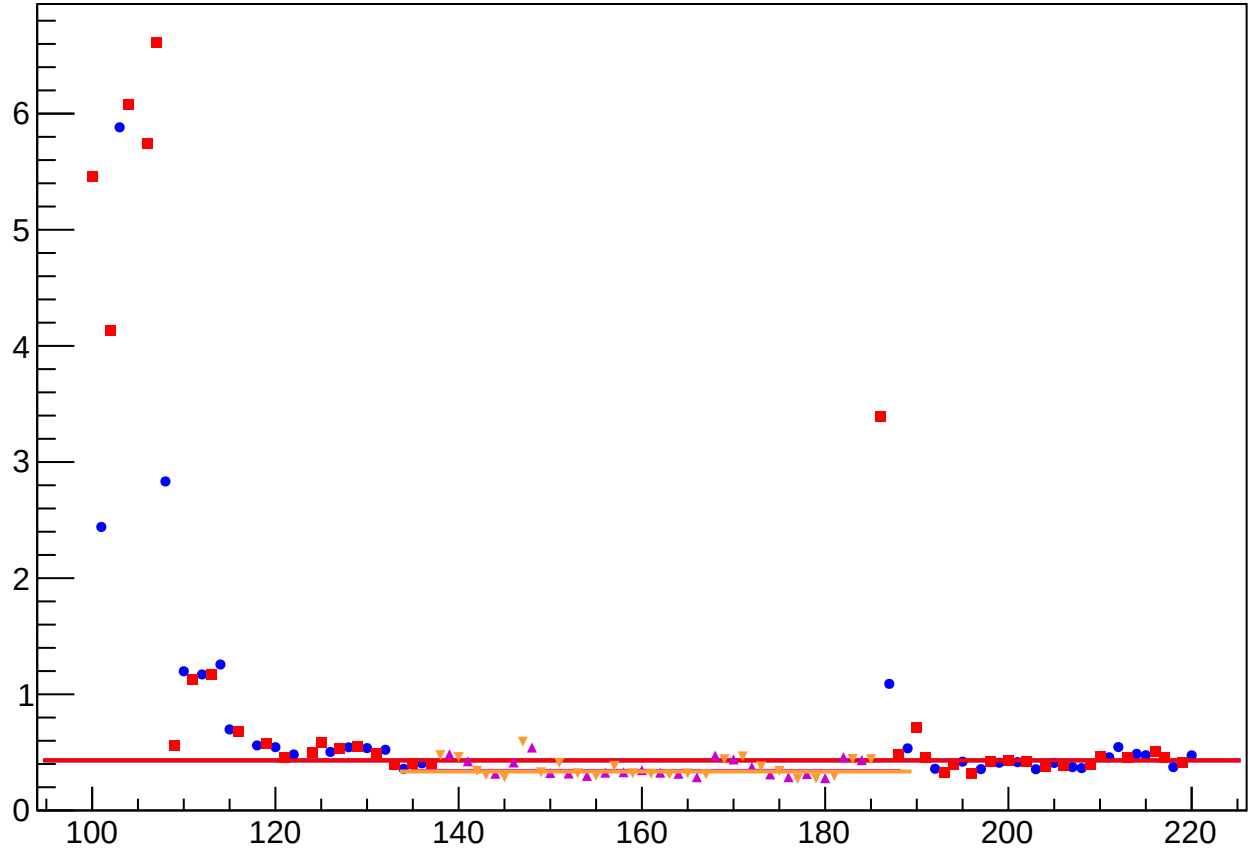
Right: -38.122+/-0.000 χ^2/NDF: 6143884263.6/69

In: -39.943+/-0.000 χ^2/NDF:4111898821.2/55

Out: -39.926+/-0.000 χ^2/NDF:3146736245.1/61

All: -39.935+/-0.000 χ^2/NDF: 7258671703.8/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.431+/-0.000 χ^2/NDF: 3908255.9/32

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.431+/-0.000 χ^2/NDF: 4747529.2/36

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

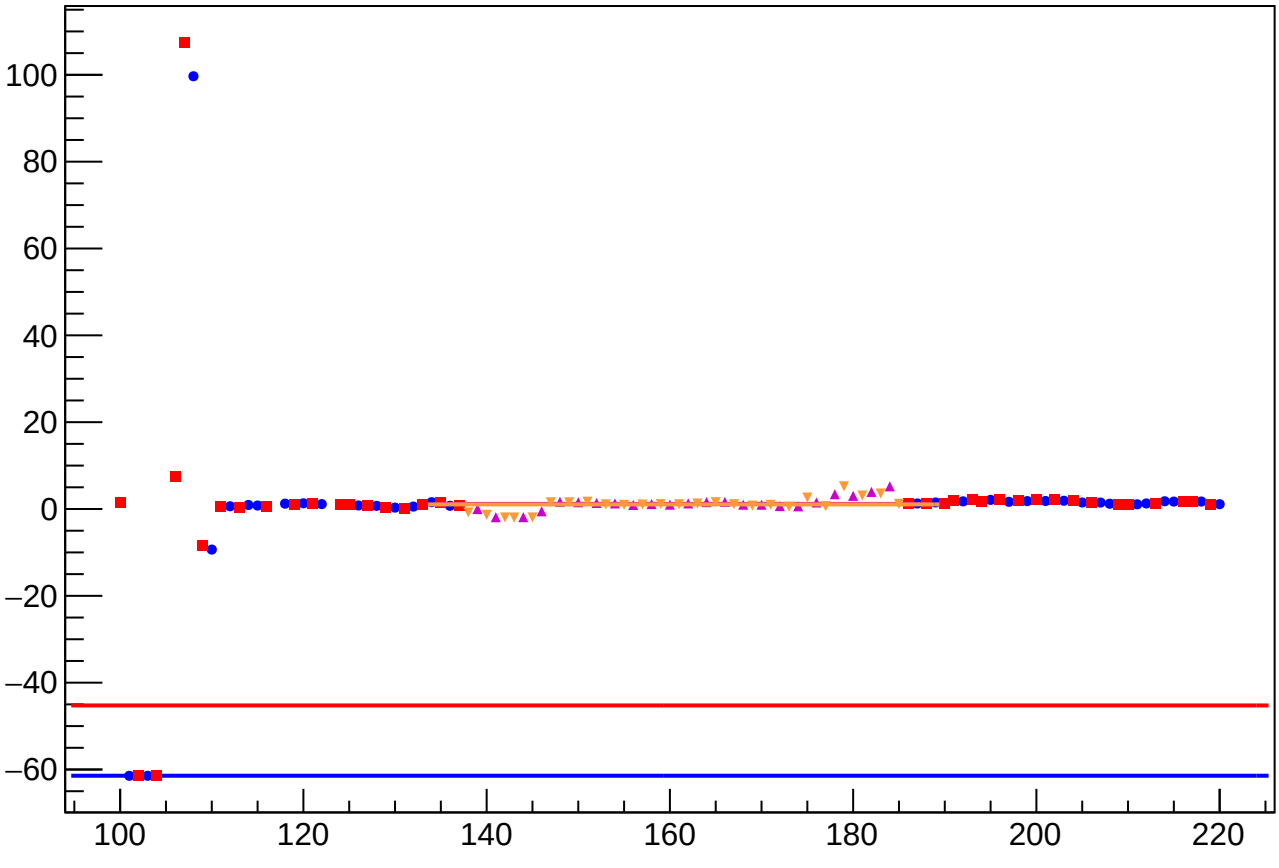
Right: 0.431+/-0.000 χ^2/NDF: 8655796.1/69

In: 0.376+/-0.000 χ^2/NDF:5917834.4/55

Out: 0.371+/-0.000 χ^2/NDF:7054578.6/61

All: 0.374+/-0.000 χ^2/NDF: 12977847.1/117

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.434+/-0.000 χ^2/NDF: 308129723098.4/32

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357888862928465.4/36

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

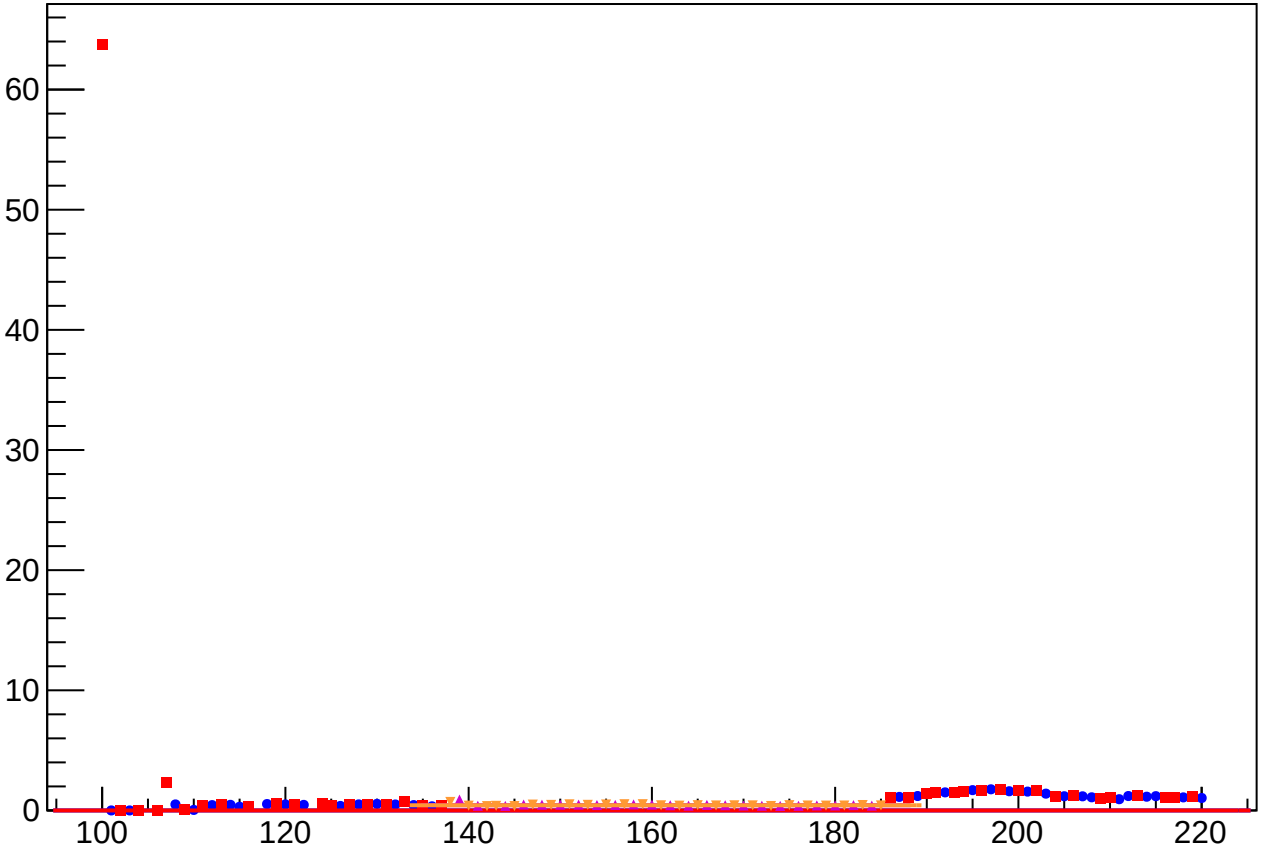
Right: -52.748+/-0.000 χ^2/NDF: 409172611485200

In: -61.421+/-0.000 χ^2/NDF:610982066659.4/55

Out: -45.235+/-0.000 χ^2/NDF:358070139884560.

All: -52.737+/-0.000 χ^2/NDF: 409642007591

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 35893892.6/32

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 36549759.5/36

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

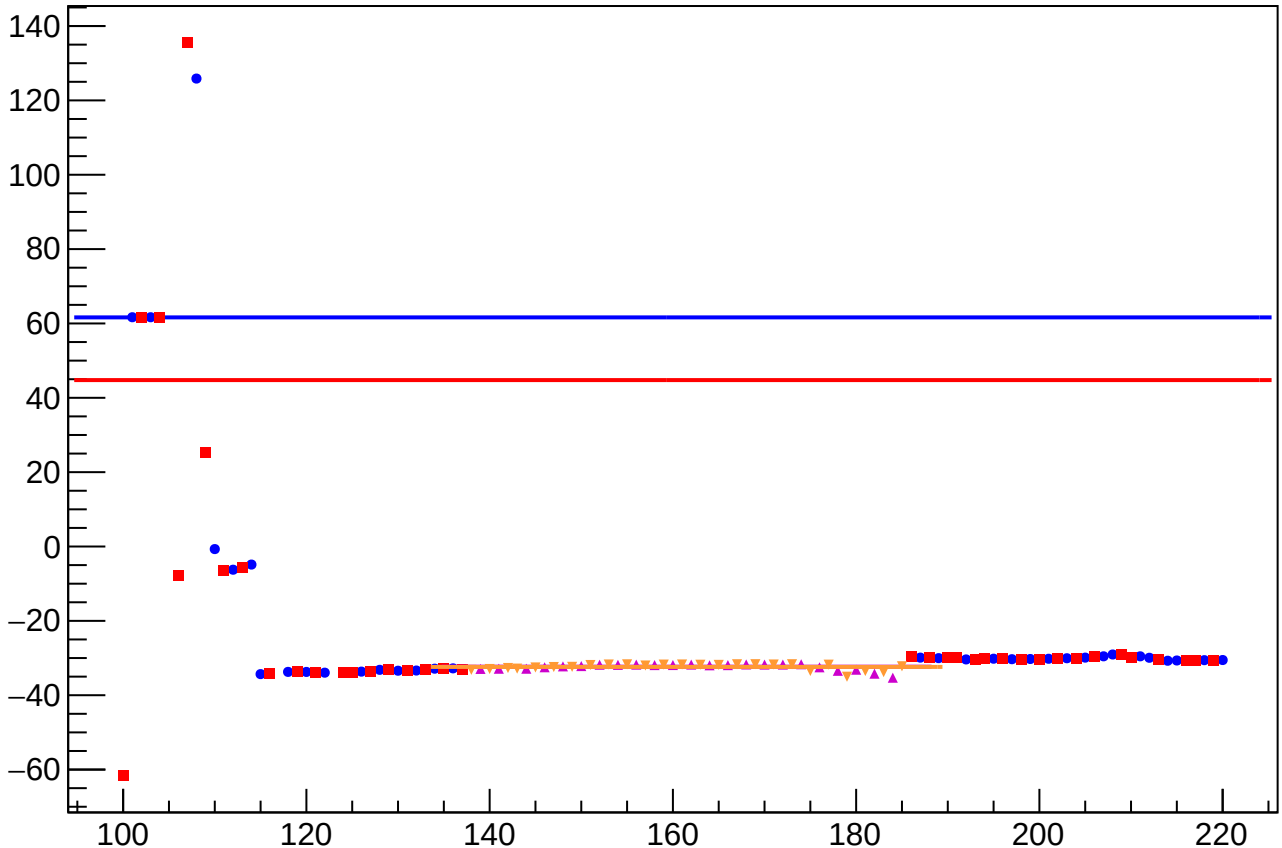
Right: 0.001+/-0.000 χ^2/NDF: 72443668.9/69

In: 0.002+/-0.000 χ^2/NDF:66032094.8/55

Out: 0.002+/-0.000 χ^2/NDF:68313201.1/61

All: 0.002+/-0.000 χ^2/NDF: 134345362.1/117

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.632+/-0.000 χ^2/NDF: 1288707609946.6/32

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.765+/-0.000 χ^2/NDF: 3666786537197 65.6/36

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

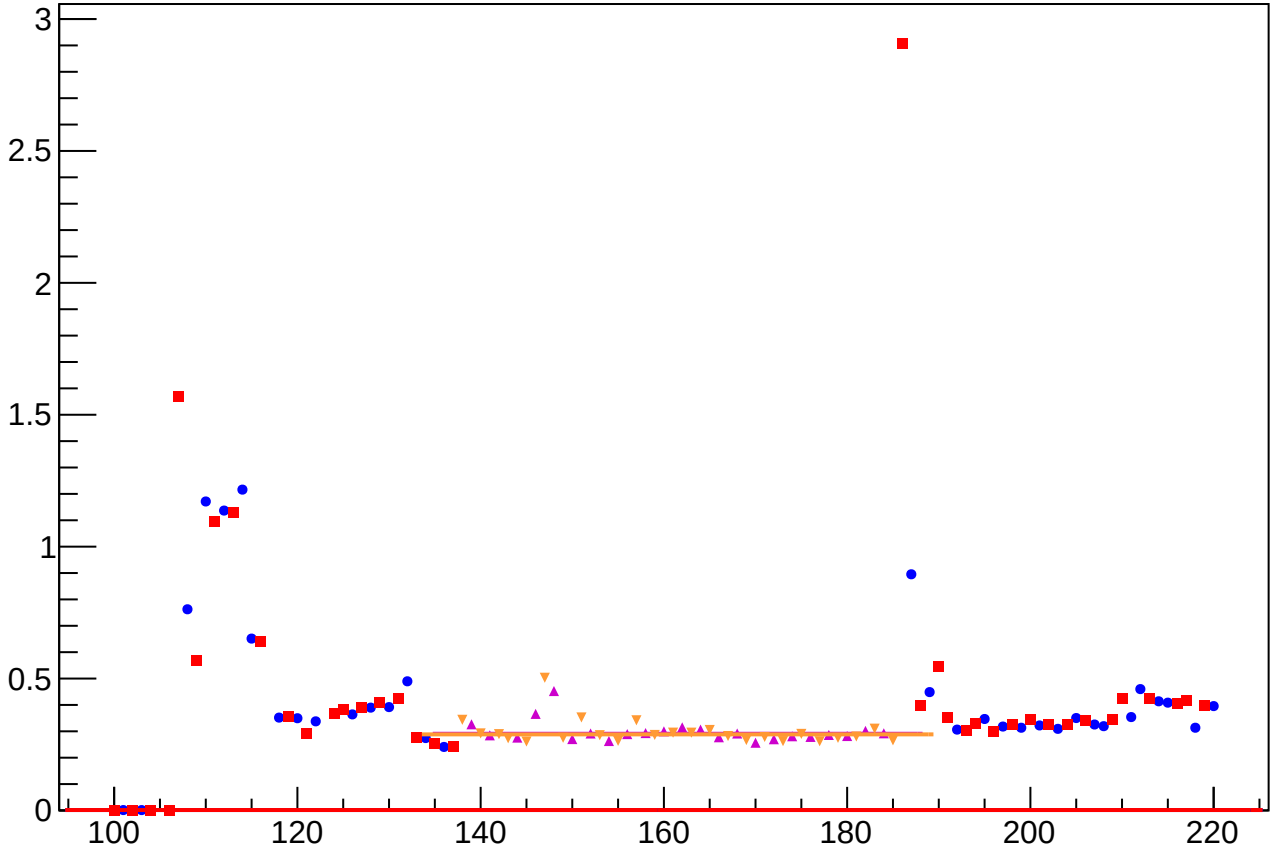
Right: 52.664+/-0.000 χ^2/NDF: 419029940795445.8

In: 61.575+/-0.000 χ^2/NDF:3111434791590.5/55

Out: 44.721+/-0.000 χ^2/NDF:367996553424999.5

All: 52.614+/-0.000 χ^2/NDF: 4221228706705

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 37180470.5/32

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 37374606.6/36

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

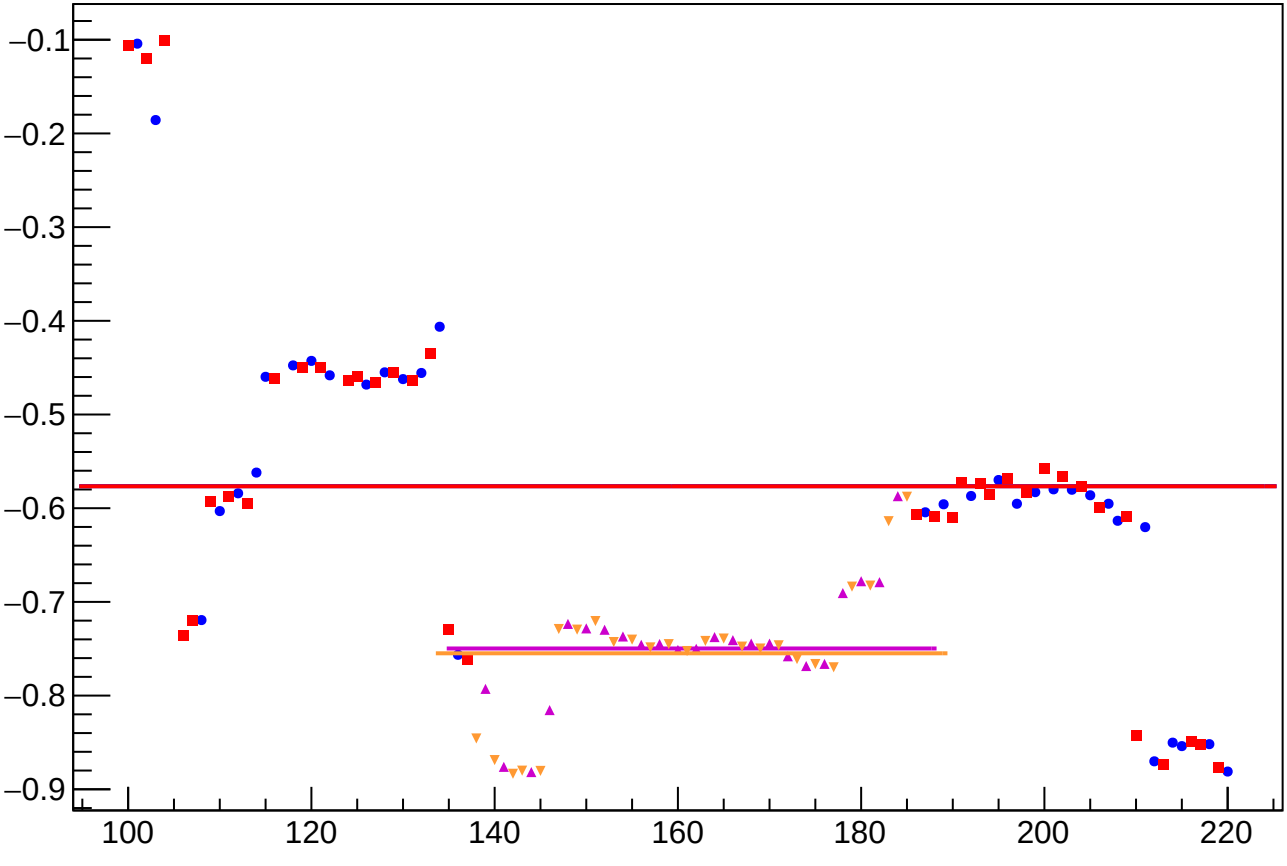
Right: 0.002+/-0.000 χ^2/NDF: 74555081.9/69

In: 0.002+/-0.000 χ^2/NDF:72064390.8/55

Out: 0.002+/-0.000 χ^2/NDF:74311729.6/61

All: 0.002+/-0.000 χ^2/NDF: 146376140.2/117

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.576+/-0.000 χ^2/NDF: 446351383.5/32

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.577+/-0.000 χ^2/NDF: 349705133.9/36

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

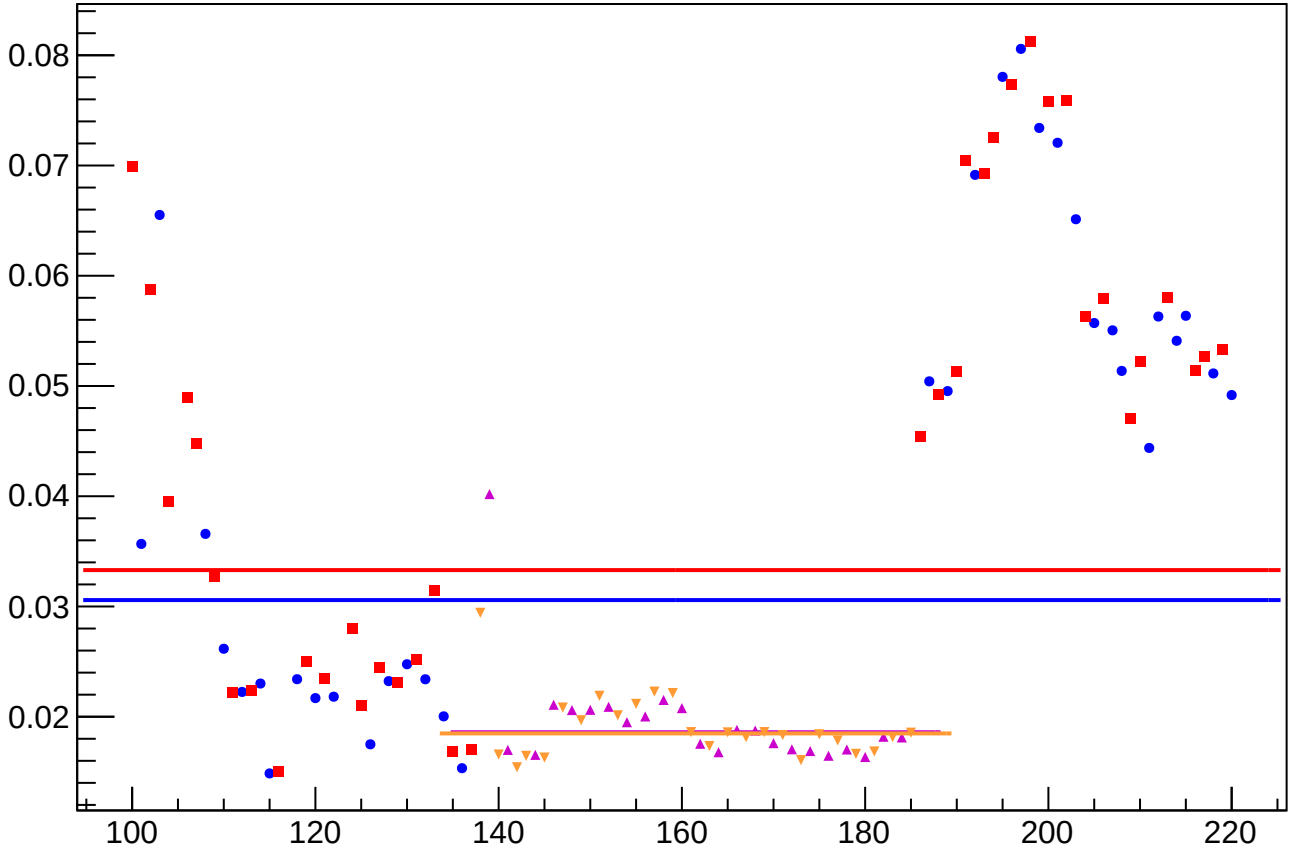
Right: -0.577+/-0.000 χ^2/NDF: 796056639.9/69

In: -0.703+/-0.000 χ^2/NDF:930537869.9/55

Out: -0.713+/-0.000 χ^2/NDF:902477165.0/61

All: -0.708+/-0.000 χ^2/NDF: 1836010045.2/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 9400907.2/32

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8695717.9/36

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

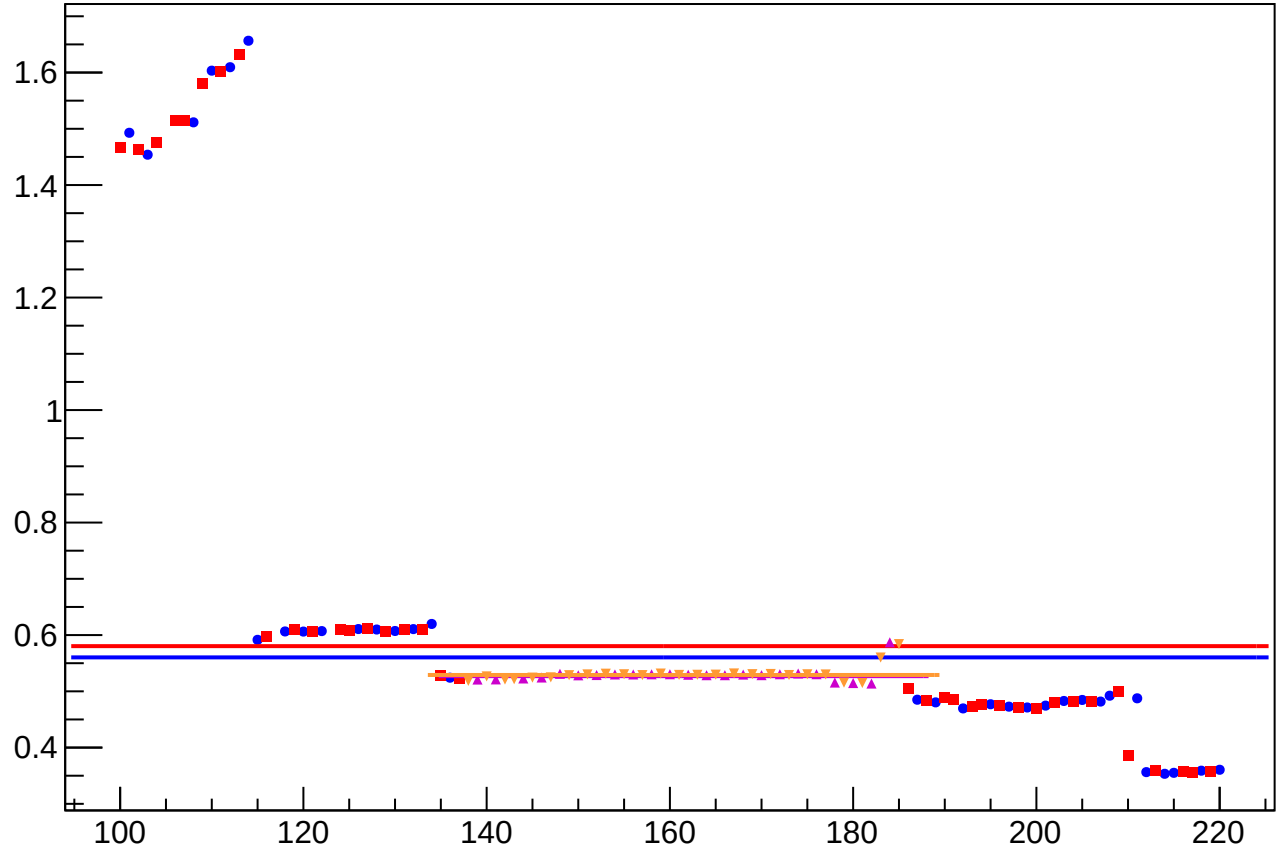
Right: 0.032+/-0.000 χ^2/NDF: 18205877.0/69

In: 0.022+/-0.000 χ^2/NDF:13427646.9/55

Out: 0.022+/-0.000 χ^2/NDF:13886596.9/61

All: 0.022+/-0.000 χ^2/NDF: 27315241.6/117

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 6418528581.2/32

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.580+/-0.000 χ^2/NDF: 7341846493.3/36

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

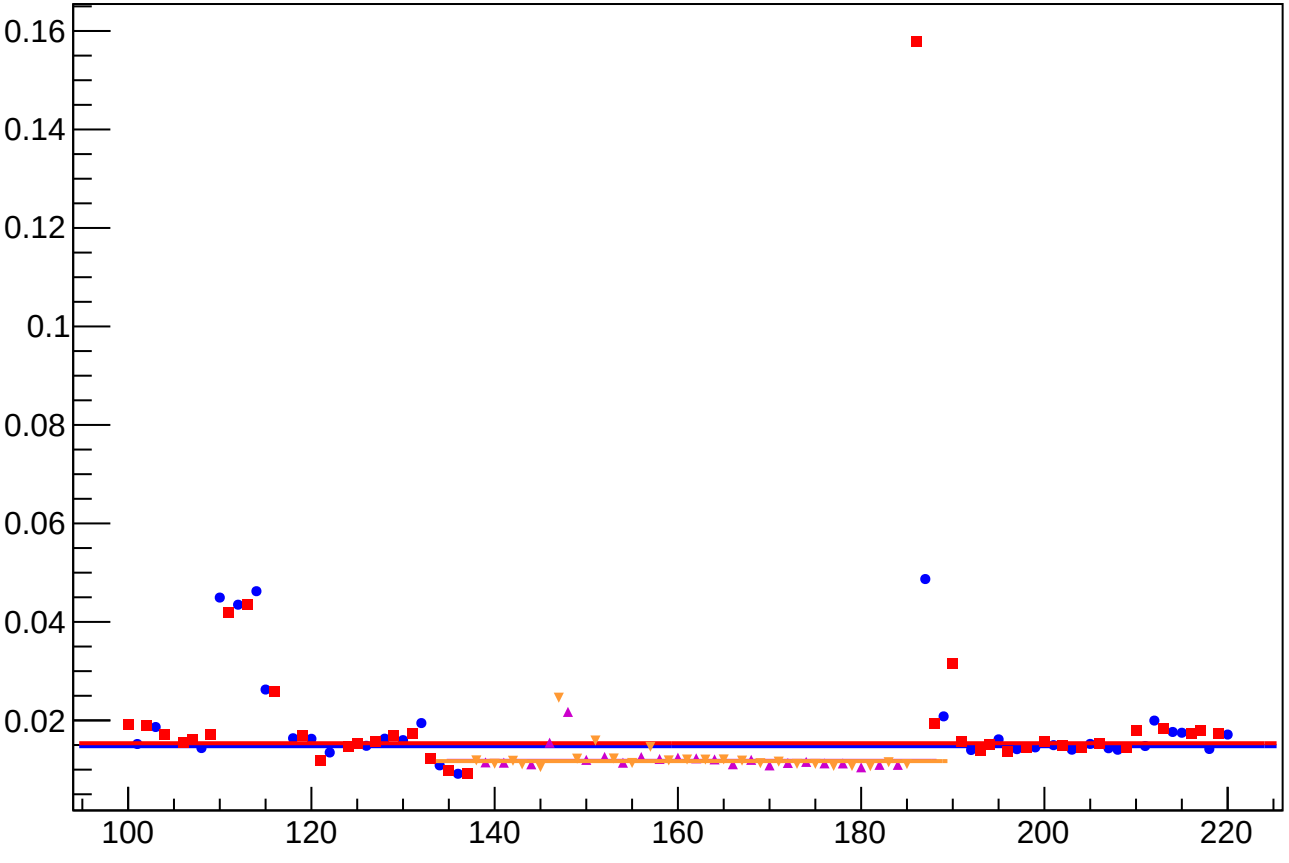
Right: 0.570+/-0.000 χ^2/NDF: 13777138798.0/69

In: 0.541+/-0.000 χ^2/NDF:6488698534.7/55

Out: 0.548+/-0.000 χ^2/NDF:7491239332.8/61

All: 0.544+/-0.000 χ^2/NDF: 13986515013.4/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2231954.3/32

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2569878.3/36

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

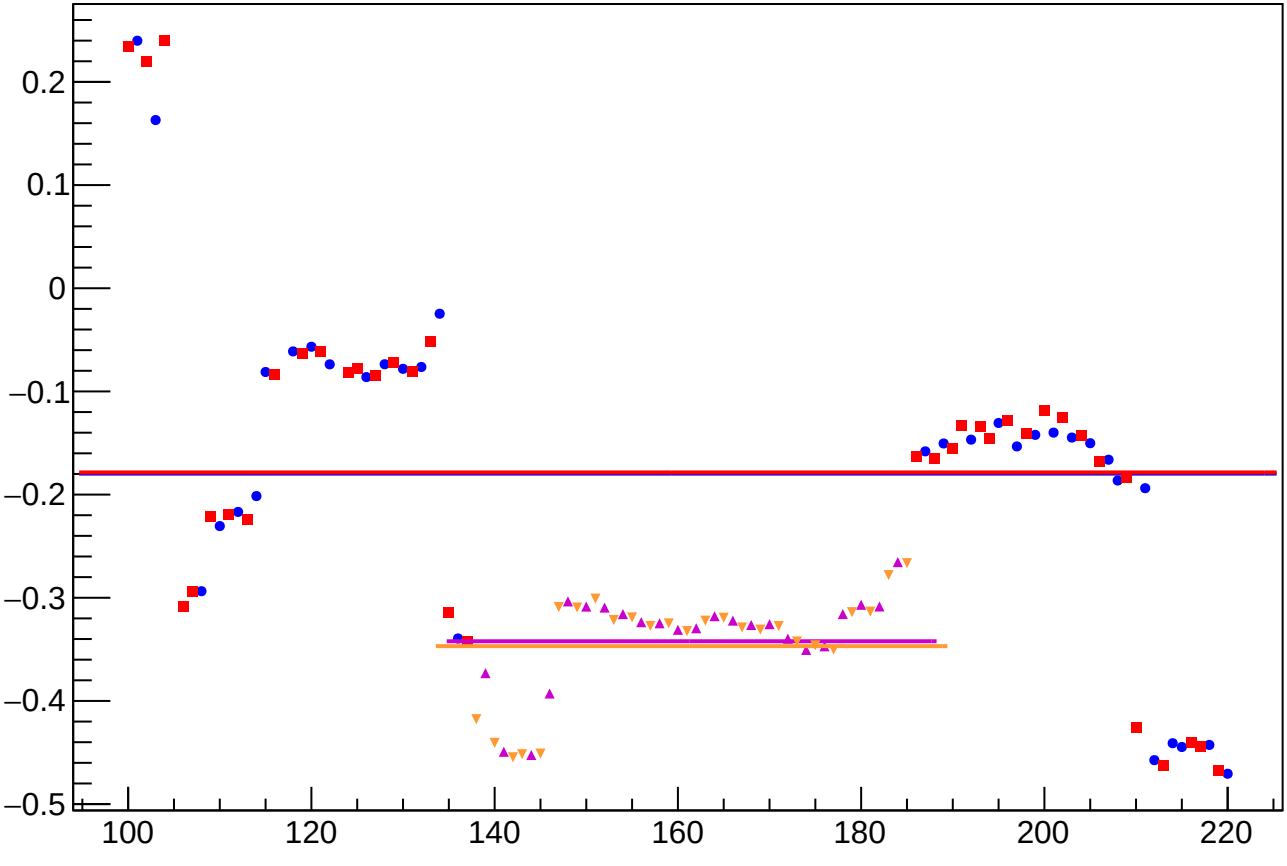
Right: 0.015+/-0.000 χ^2/NDF: 4832622.6/69

In: 0.013+/-0.000 χ^2/NDF:3658476.0/55

Out: 0.013+/-0.000 χ^2/NDF:4607360.6/61

All: 0.013+/-0.000 χ^2/NDF: 8268167.2/117

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.180+/-0.000 χ^2/NDF: 421366834.2/32

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.179+/-0.000 χ^2/NDF: 334157622.3/36

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

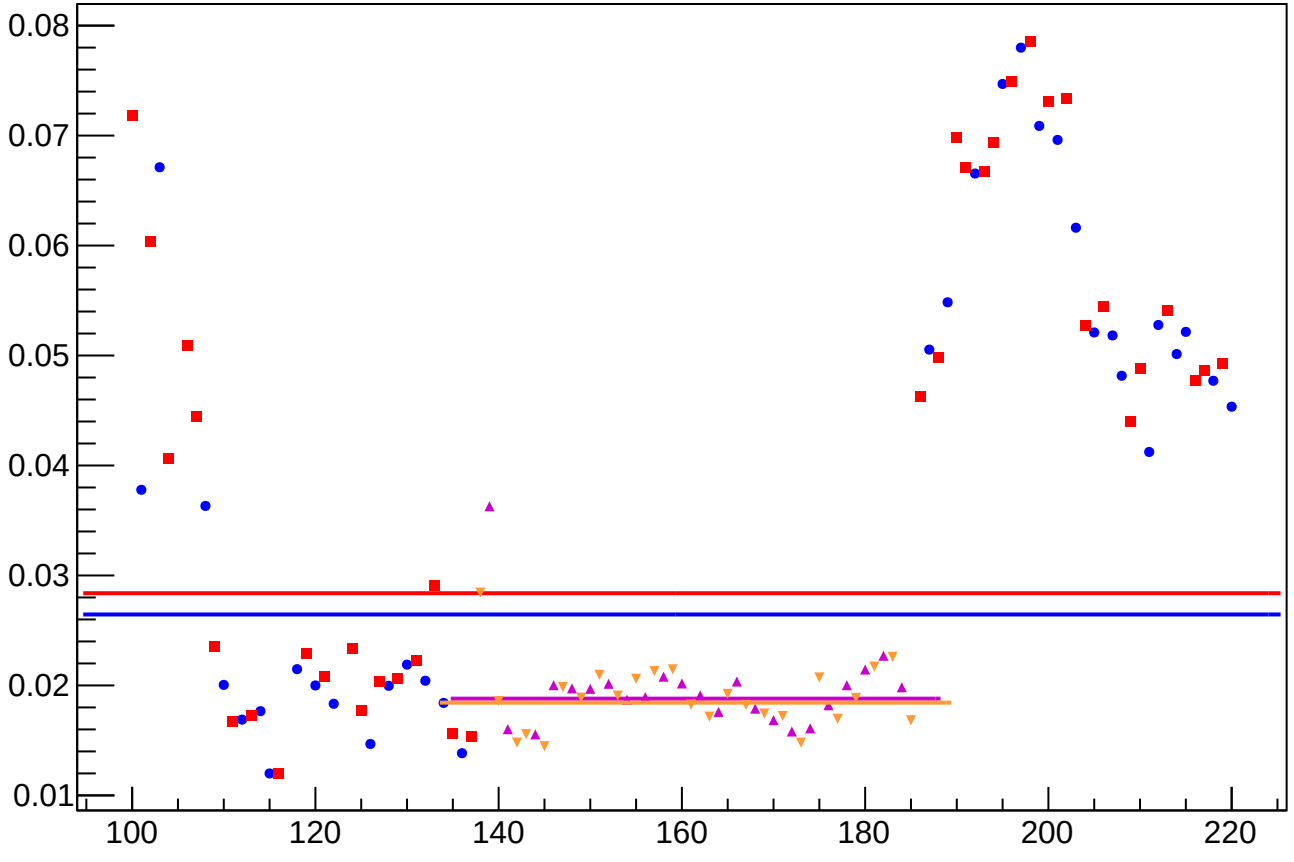
Right: -0.179+/-0.000 χ^2/NDF: 755536408.3/69

In: -0.290+/-0.000 χ^2/NDF:867600227.3/55

Out: -0.300+/-0.000 χ^2/NDF:829118188.1/61

All: -0.295+/-0.000 χ^2/NDF: 1699666411.8/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 10846480.6/32

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.028+/-0.000 χ^2/NDF: 10608582.8/36

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

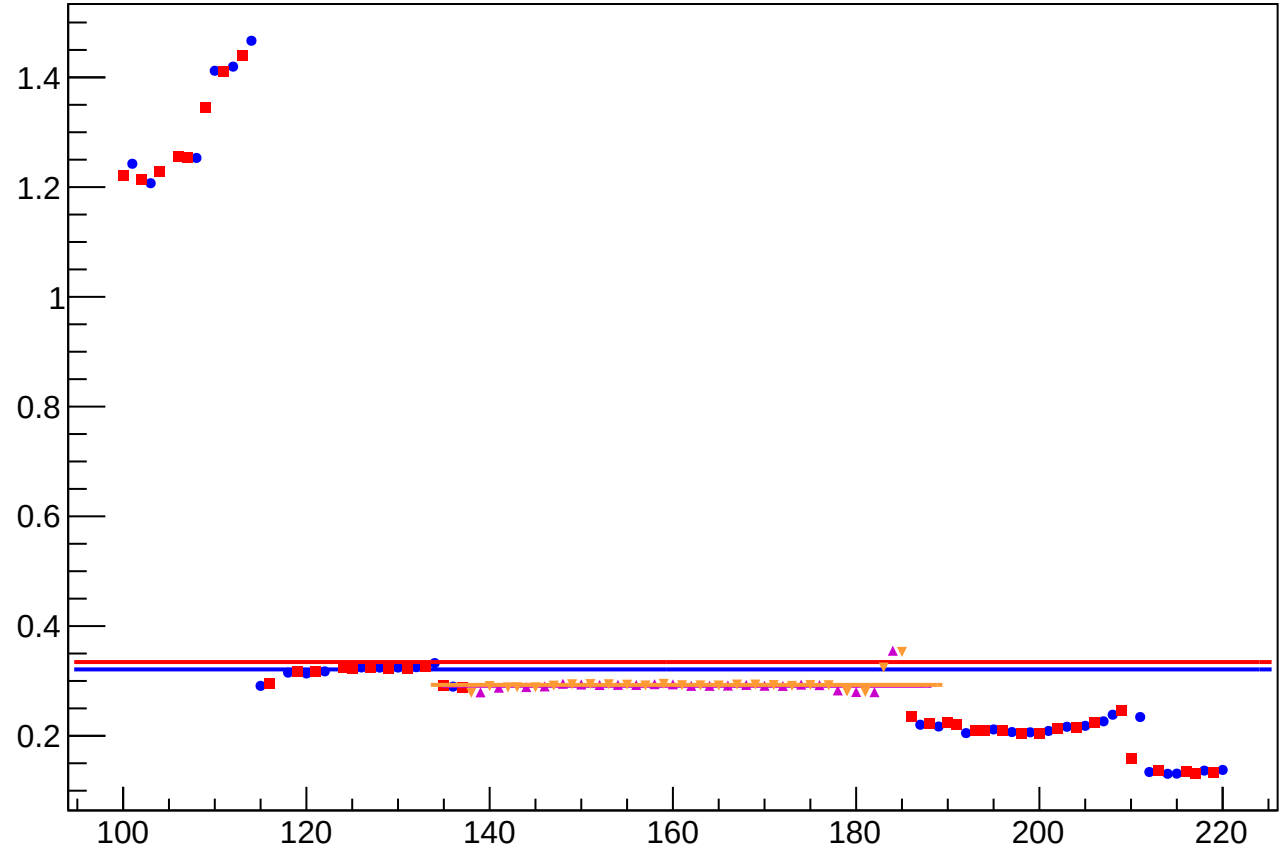
Right: 0.027+/-0.000 χ^2/NDF: 21525725.7/69

In: 0.021+/-0.000 χ^2/NDF:13154066.4/55

Out: 0.021+/-0.000 χ^2/NDF:13826067.6/61

All: 0.021+/-0.000 χ^2/NDF: 26980191.8/117

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 9064039463.3/32

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.334+/-0.000 χ^2/NDF: 9939991228.1/36

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

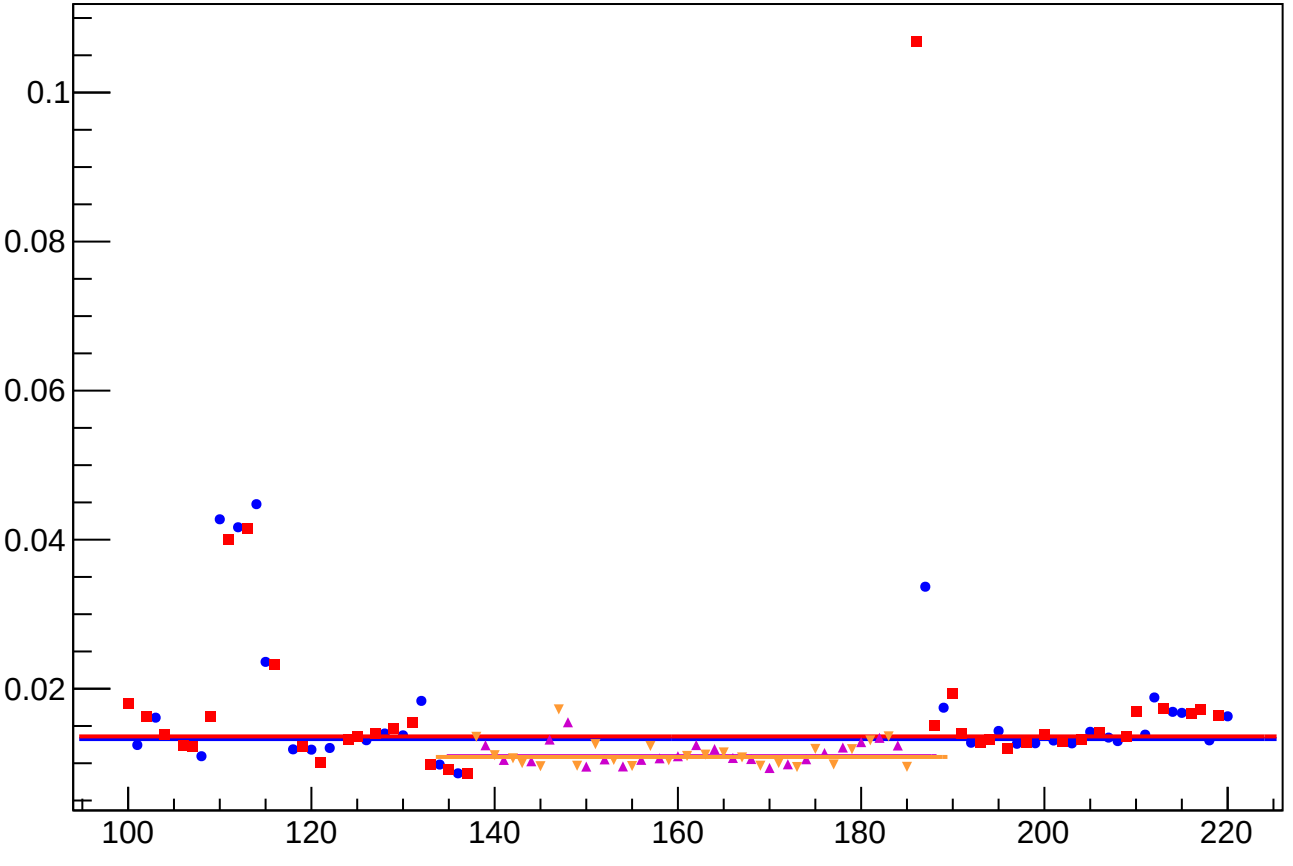
Right: 0.328+/-0.000 χ^2/NDF: 19013507211.7/69

In: 0.304+/-0.000 χ^2/NDF:9129189667.8/55

Out: 0.309+/-0.000 χ^2/NDF:10064672271.0/61

All: 0.307+/-0.000 χ^2/NDF: 19197770773.9/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2205264.7/32

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2553953.6/36

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

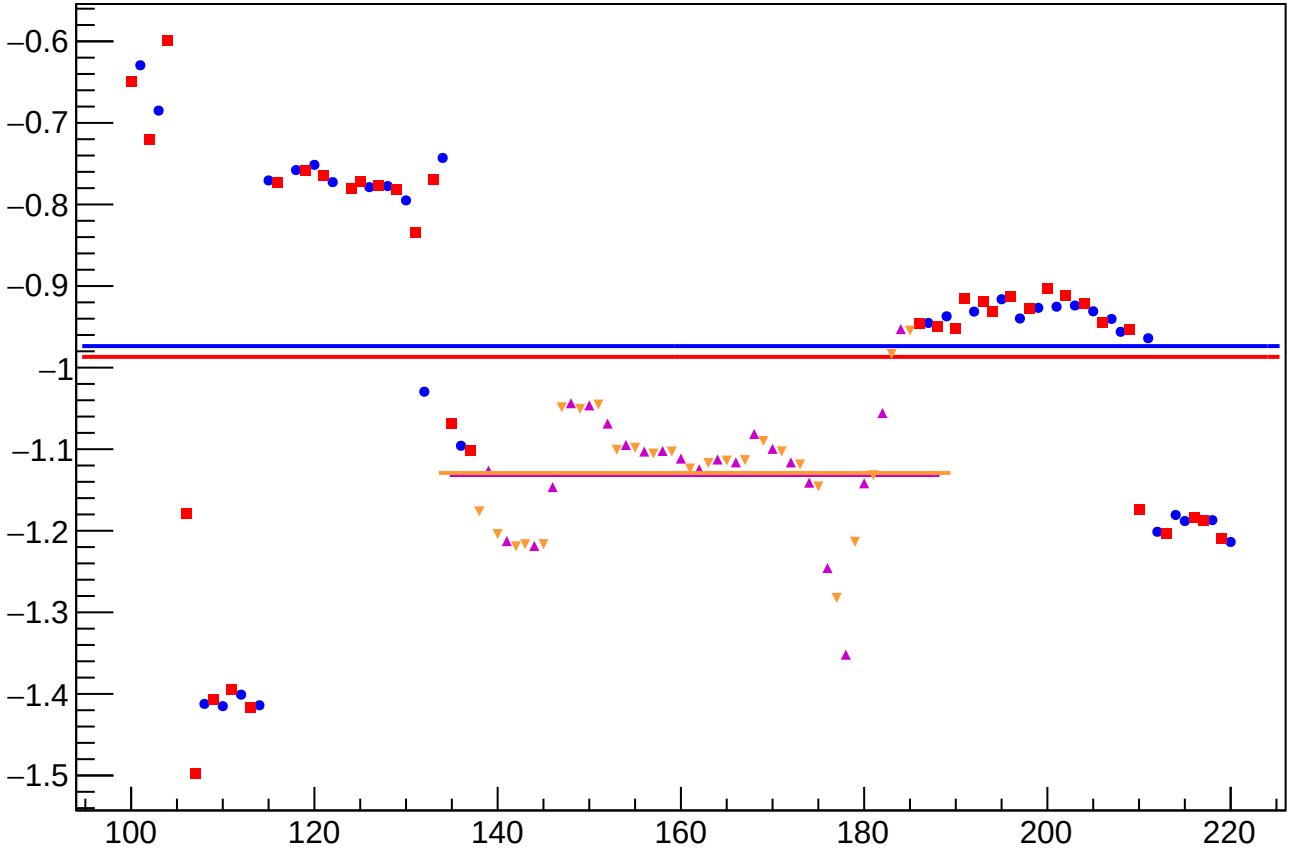
Right: 0.013+/-0.000 χ^2/NDF: 4772624.7/69

In: 0.012+/-0.000 χ^2/NDF:3362342.1/55

Out: 0.012+/-0.000 χ^2/NDF:4151481.1/61

All: 0.012+/-0.000 χ^2/NDF: 7513862.3/117

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.974+/-0.000 χ^2/NDF: 786778927.8/32

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.987+/-0.000 χ^2/NDF: 788909281.1/36

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

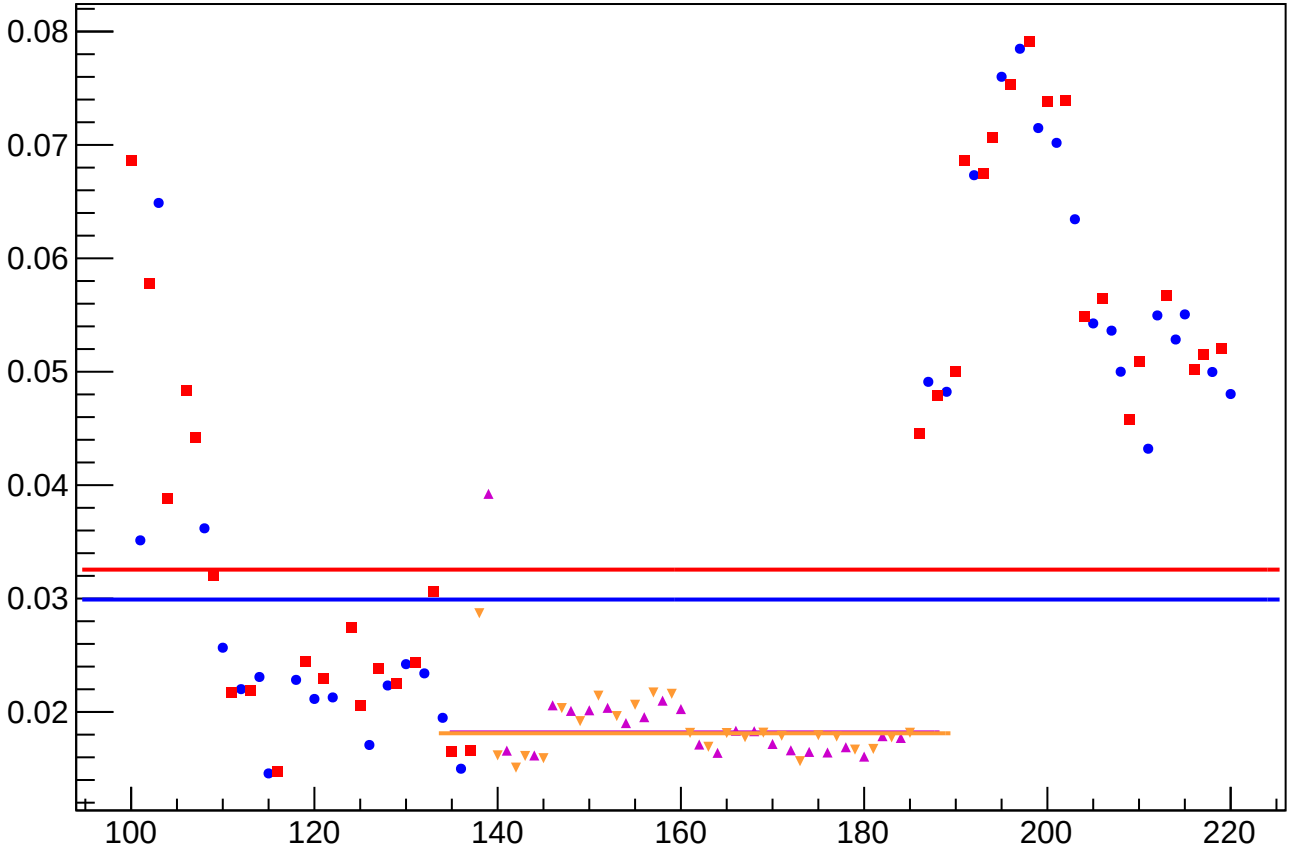
Right: -0.980+/-0.000 χ^2/NDF: 1577033268.6/69

In: -1.089+/-0.000 χ^2/NDF:1345630535.4/55

Out: -1.096+/-0.000 χ^2/NDF:1253493044.6/61

All: -1.092+/-0.000 χ^2/NDF: 2600464707.0/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 9369173.8/32

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8666315.4/36

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

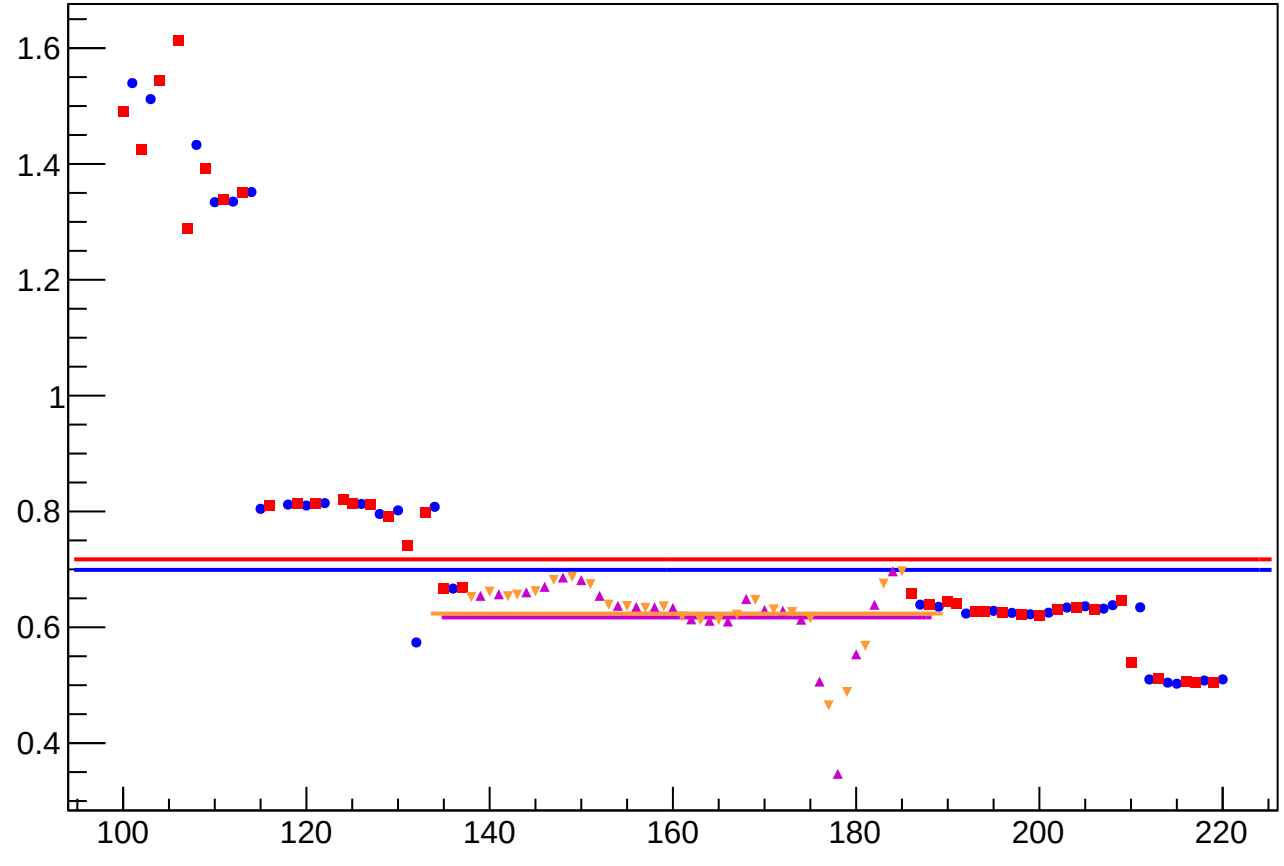
Right: 0.031+/-0.000 χ^2/NDF: 18143003.5/69

In: 0.021+/-0.000 χ^2/NDF:13375789.1/55

Out: 0.022+/-0.000 χ^2/NDF:13799784.4/61

All: 0.021+/-0.000 χ^2/NDF: 27177017.8/117

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.699+/-0.000 χ^2/NDF: 4553524746.1/32

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.717+/-0.000 χ^2/NDF: 4875816375.8/36

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

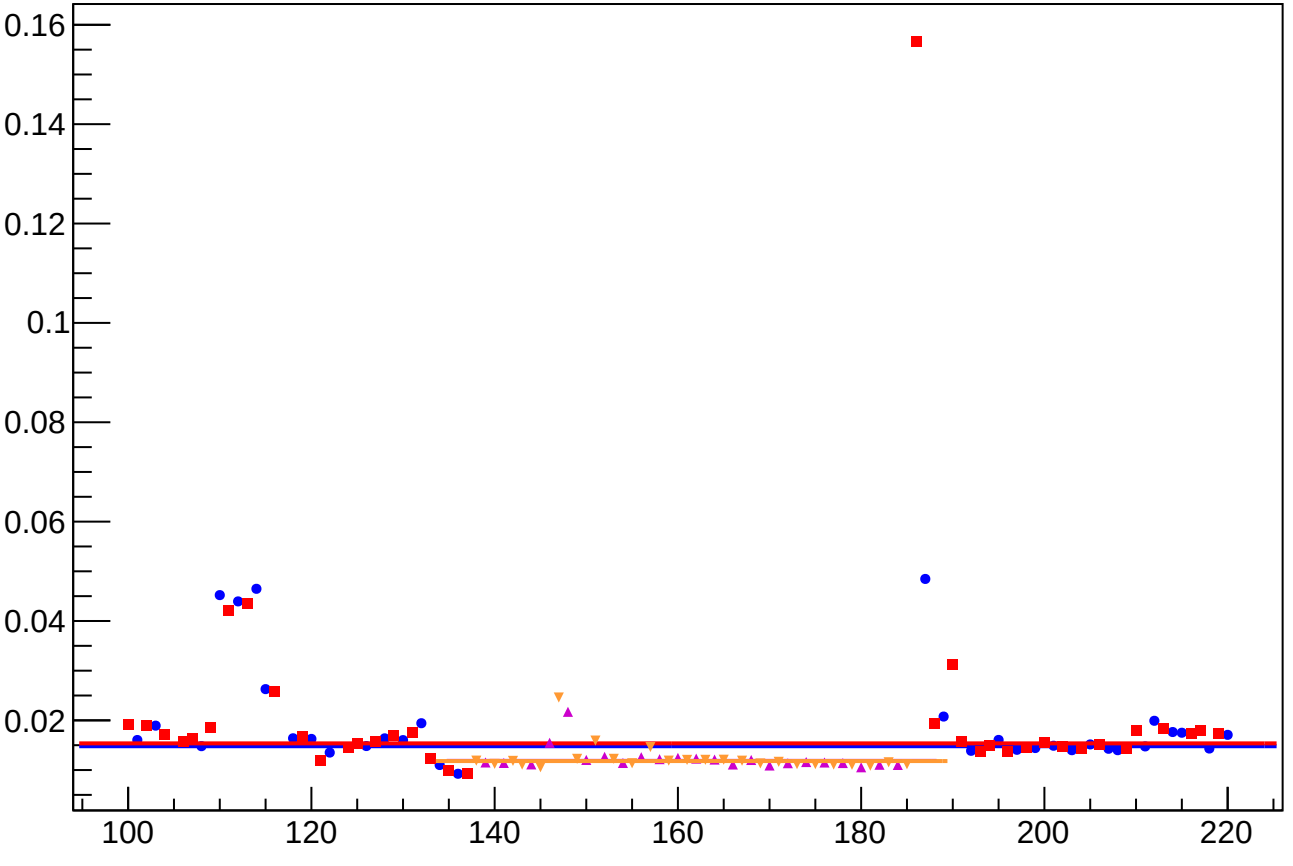
Right: 0.708+/-0.000 χ^2/NDF: 9443178780.9/69

In: 0.651+/-0.000 χ^2/NDF:5543376470.1/55

Out: 0.659+/-0.000 χ^2/NDF:5717343800.0/61

All: 0.655+/-0.000 χ^2/NDF: 11268839342.8/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2207864.4/32

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2575789.7/36

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

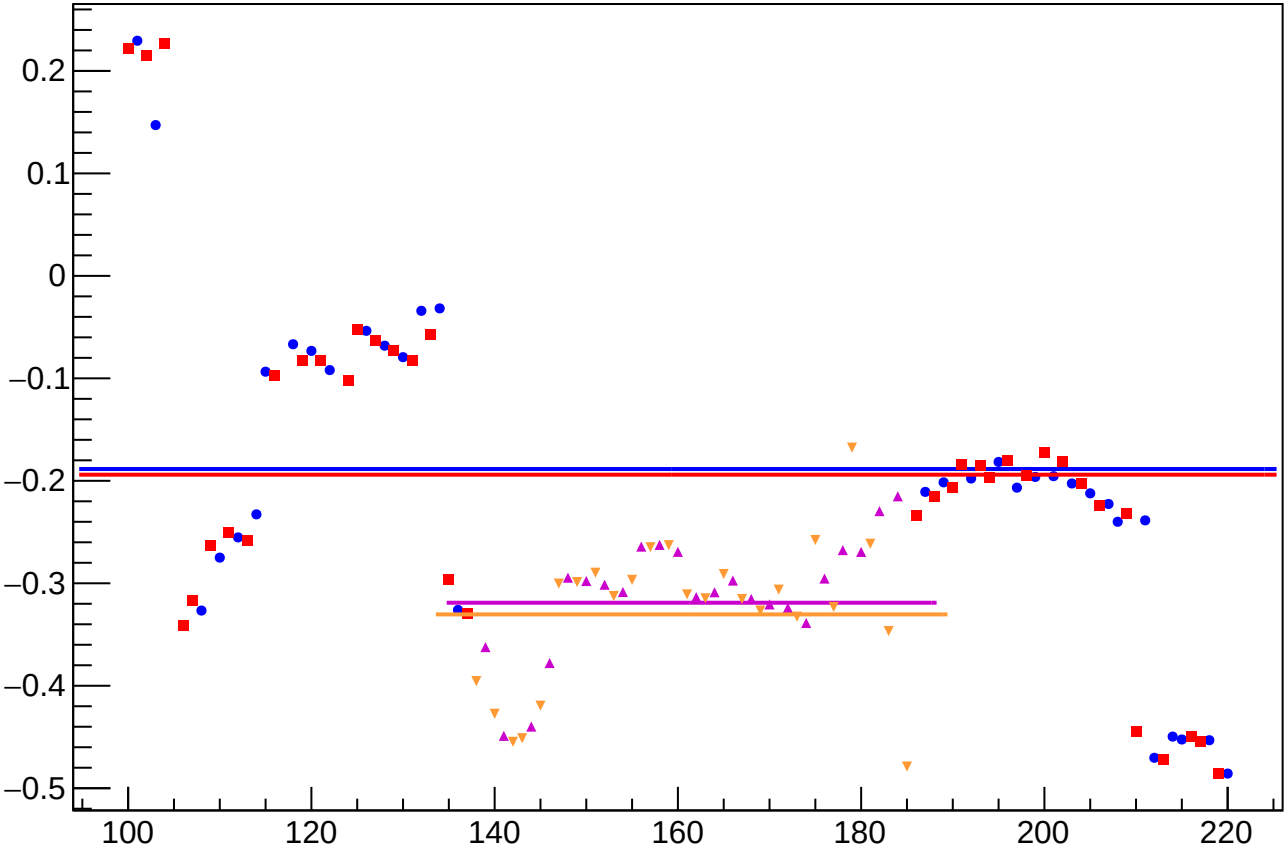
Right: 0.015+/-0.000 χ^2/NDF: 4811298.5/69

In: 0.013+/-0.000 χ^2/NDF:3603826.0/55

Out: 0.013+/-0.000 χ^2/NDF:4527166.3/61

All: 0.013+/-0.000 χ^2/NDF: 8133639.4/117

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.188+/-0.000 χ^2/NDF: 425805350.3/32

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.194+/-0.000 χ^2/NDF: 330073201.4/36

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

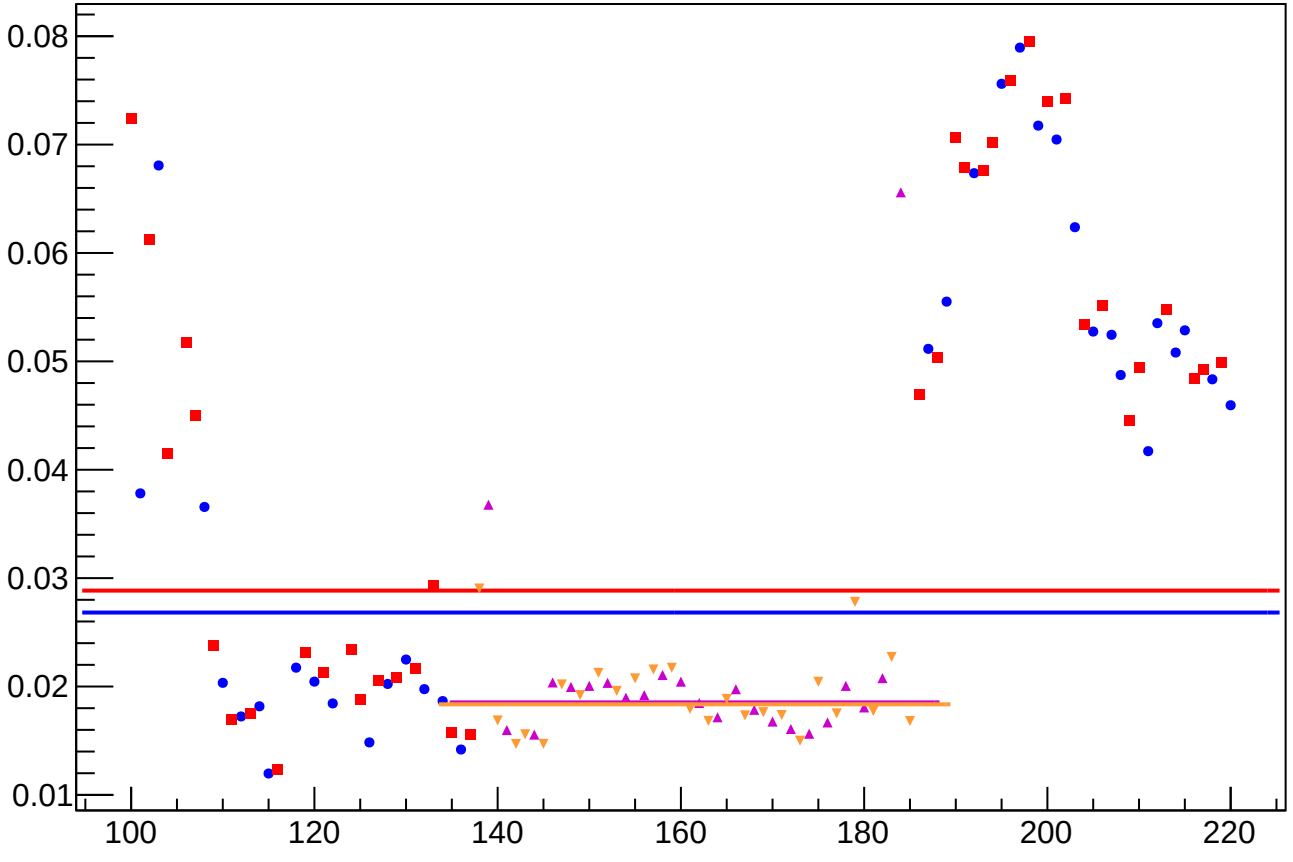
Right: -0.191+/-0.000 χ^2/NDF: 756160884.9/69

In: -0.278+/-0.000 χ^2/NDF:782870101.0/55

Out: -0.293+/-0.000 χ^2/NDF:747961265.4/61

All: -0.285+/-0.000 χ^2/NDF: 1537441062.8/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 10803938.9/32

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.029+/-0.000 χ^2/NDF: 10541708.7/36

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

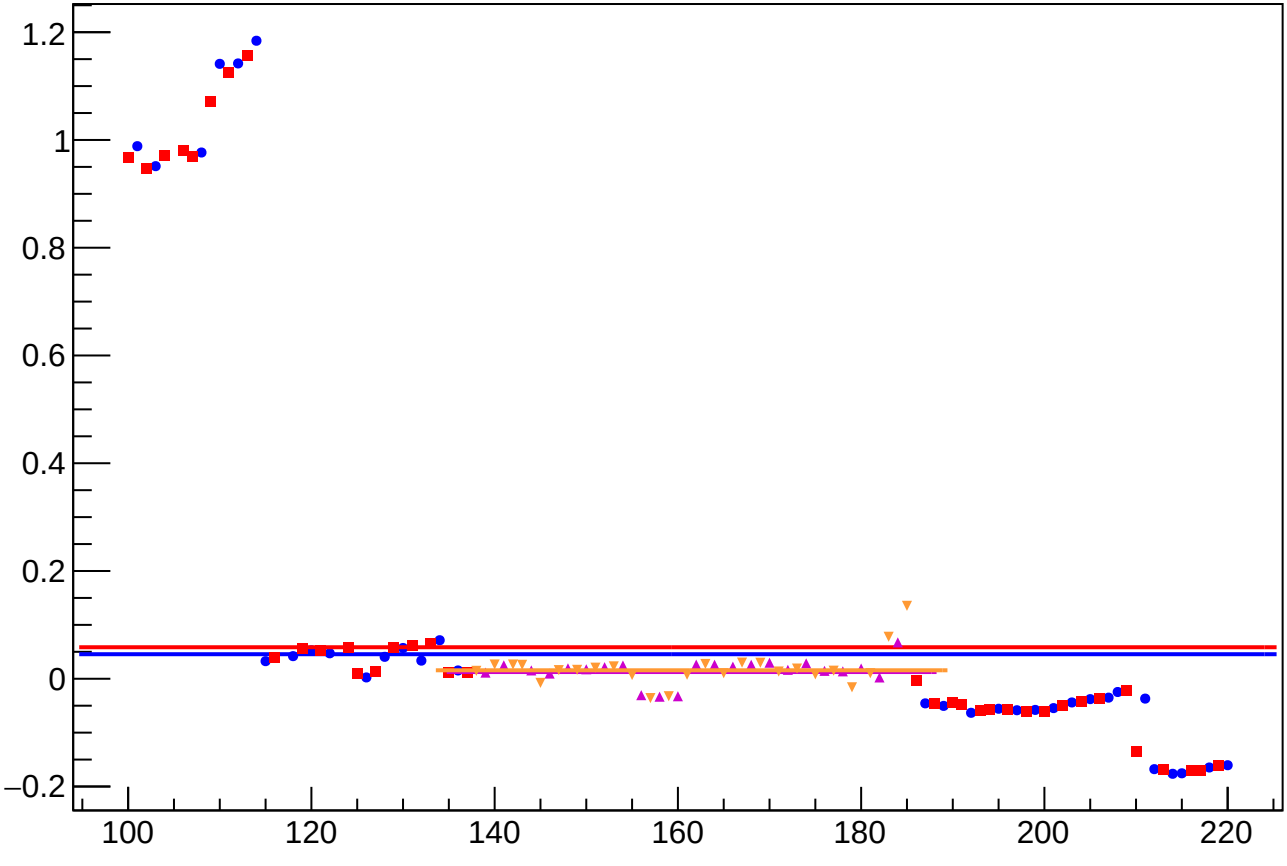
Right: 0.028+/-0.000 χ^2/NDF: 21421000.9/69

In: 0.021+/-0.000 χ^2/NDF:13565117.8/55

Out: 0.021+/-0.000 χ^2/NDF:14063901.6/61

All: 0.021+/-0.000 χ^2/NDF: 27630045.7/117

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.000 χ^2/NDF: 9349350057.0/32

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.058+/-0.000 χ^2/NDF: 9999885410.4/36

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

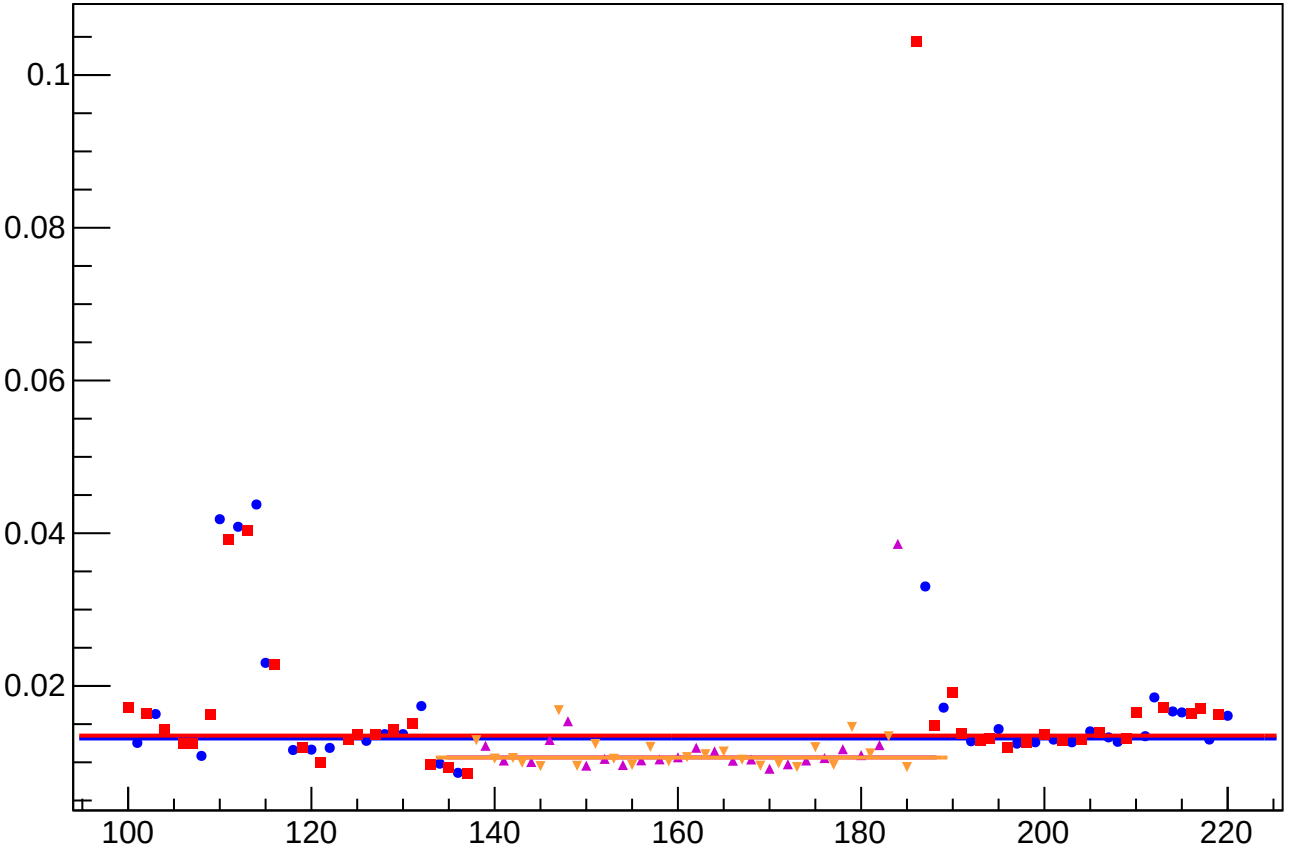
Right: 0.052+/-0.000 χ^2/NDF: 19358198431.0/69

In: 0.026+/-0.000 χ^2/NDF:9477263029.1/55

Out: 0.033+/-0.000 χ^2/NDF:10219701161.8/61

All: 0.030+/-0.000 χ^2/NDF: 19702239519.5/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2149469.3/32

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2473058.8/36

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

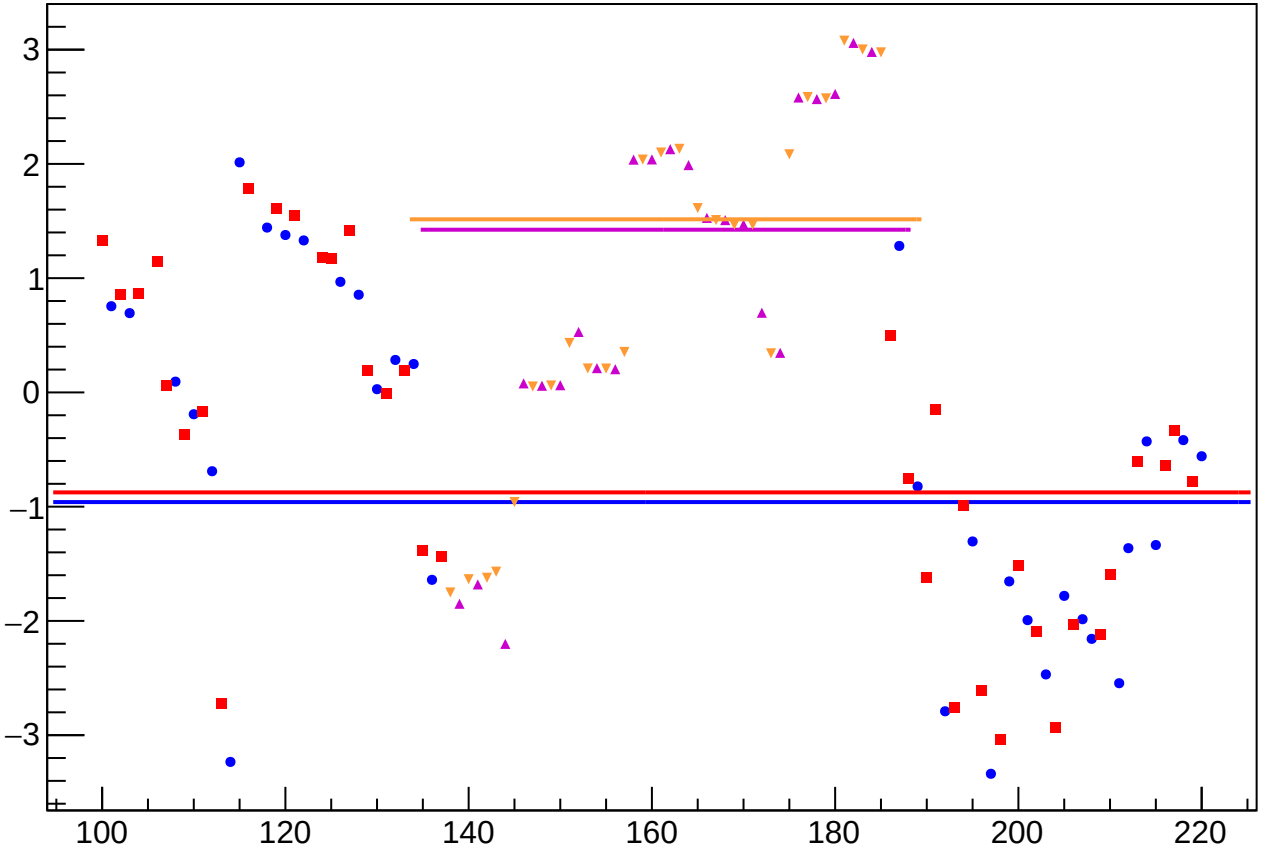
Right: 0.013+/-0.000 χ^2/NDF: 4637611.4/69

In: 0.012+/-0.000 χ^2/NDF:3500052.8/55

Out: 0.012+/-0.000 χ^2/NDF:4137675.3/61

All: 0.012+/-0.000 χ^2/NDF: 7639451.7/117

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.960+/-0.000 χ^2/NDF: 9870736101.8/32

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.875+/-0.000 χ^2/NDF: 9783284955.3/36

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

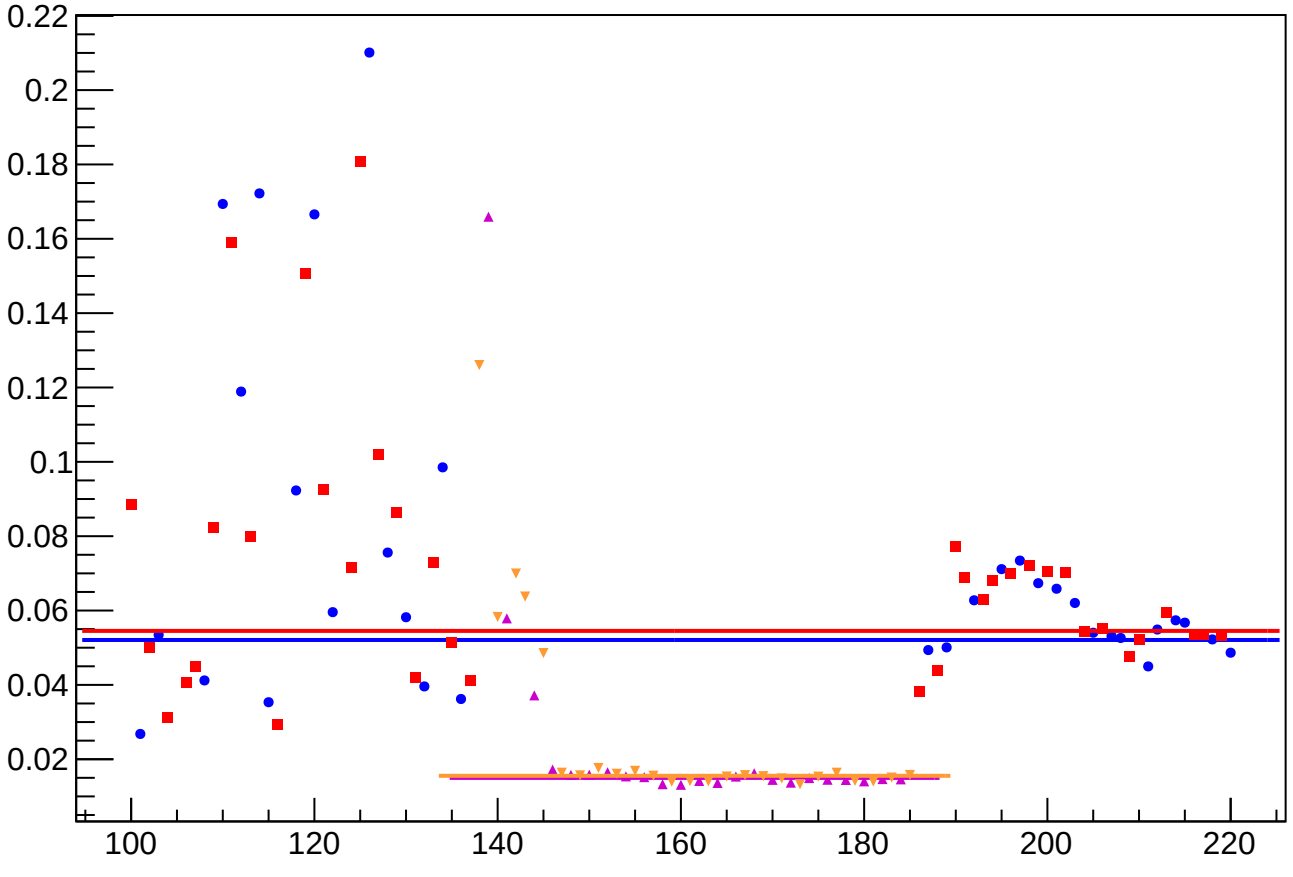
Right: -0.918+/-0.000 χ^2/NDF: 19675362514.0/69

In: 1.212+/-0.000 χ^2/NDF:109367685779.0/55

Out: 1.306+/-0.000 χ^2/NDF:107867437243.7/61

All: 1.258+/-0.000 χ^2/NDF: 217534983047.2

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3631094.3/32

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3198296.6/36

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

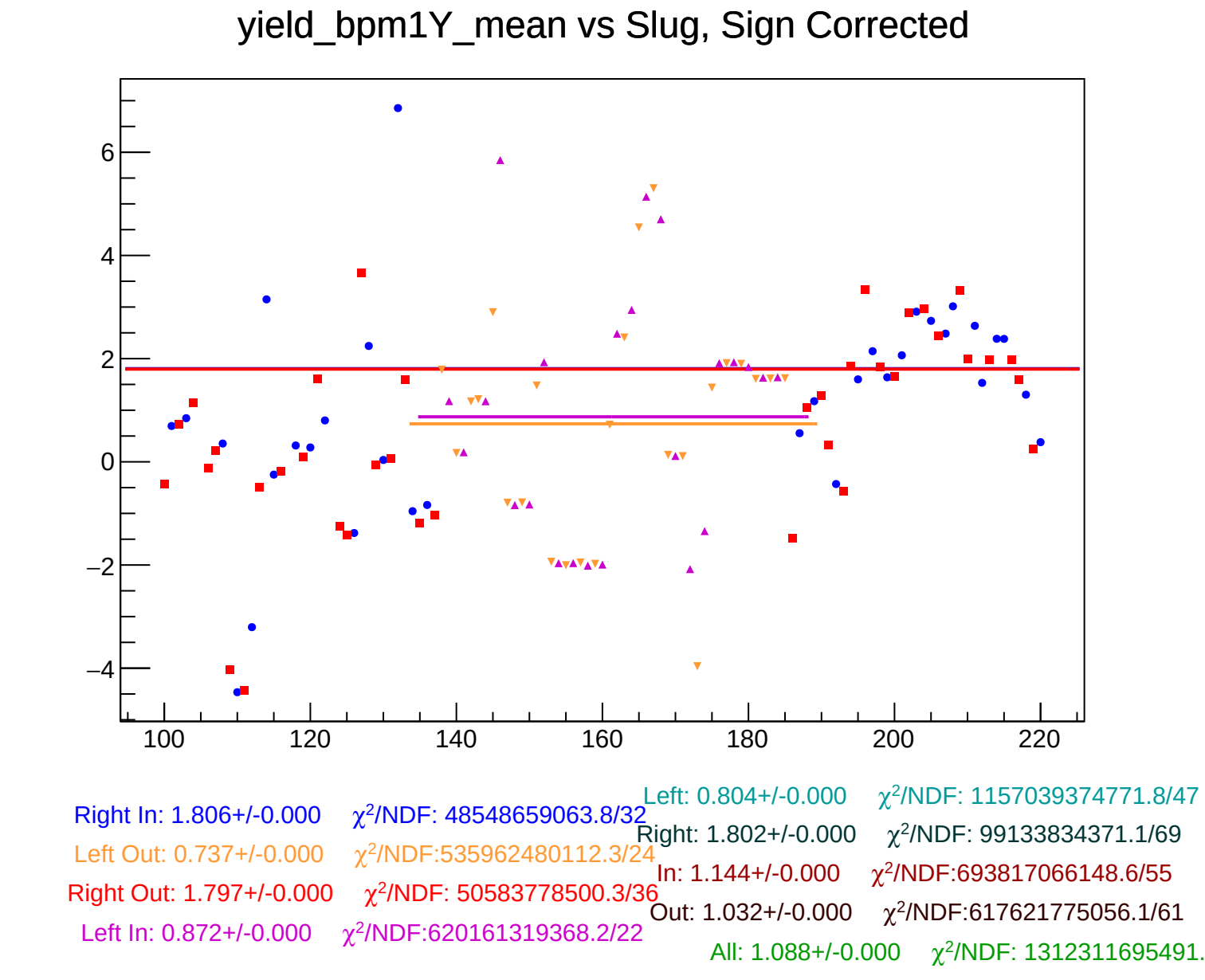
Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

Right: 0.053+/-0.000 χ^2/NDF: 6864821.4/69

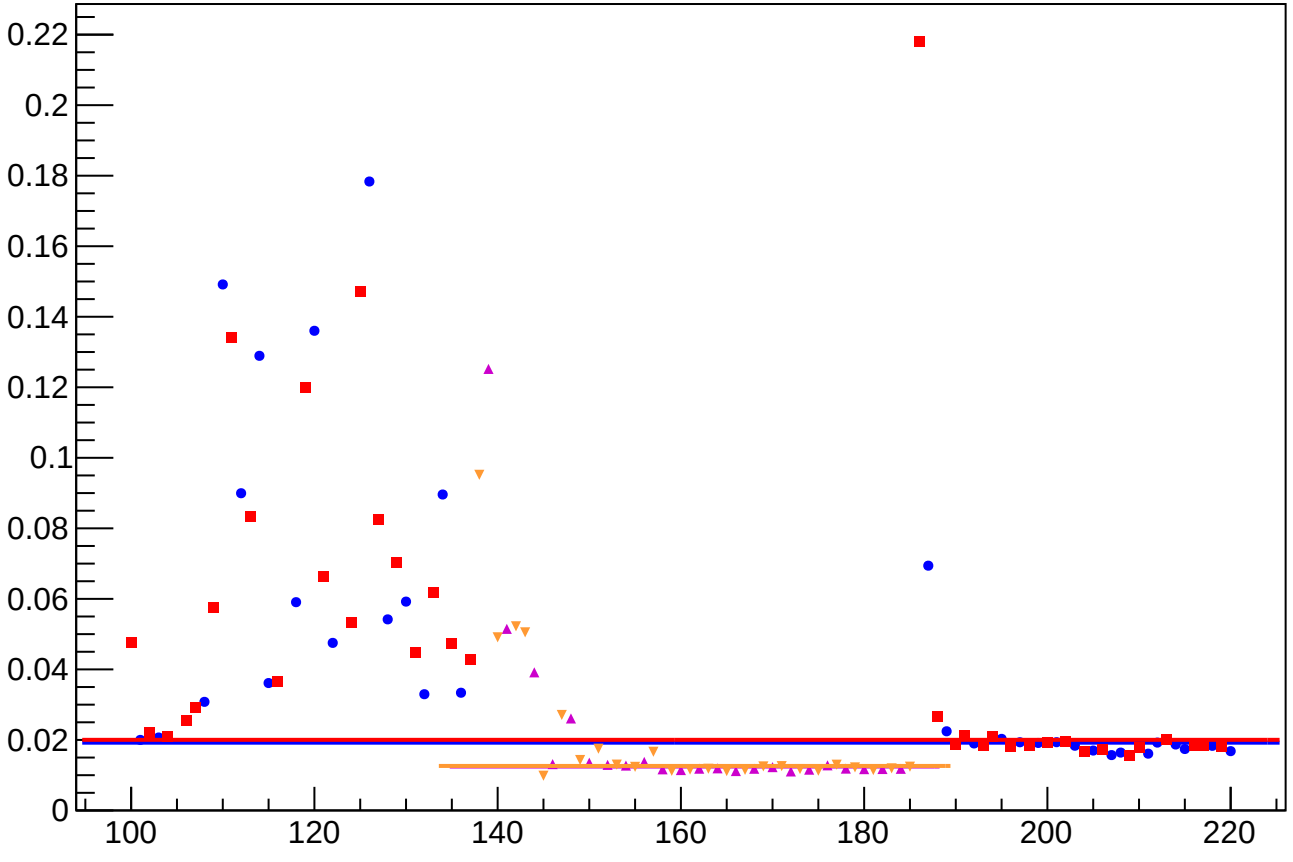
In: 0.018+/-0.000 χ^2/NDF:21054994.7/55

Out: 0.019+/-0.000 χ^2/NDF:22296407.6/61

All: 0.019+/-0.000 χ^2/NDF: 43381933.2/117


yield_bpm1Y_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: 1.806+/-0.000 χ²/NDF: 48548659063.8/32
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 1.797+/-0.000 χ²/NDF: 50583778500.3/36
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
Left: 0.804+/-0.000 χ²/NDF: 1157039374771.8/47
Right: 1.802+/-0.000 χ²/NDF: 99133834371.1/69
In: 1.144+/-0.000 χ²/NDF:693817066148.6/55
Out: 1.032+/-0.000 χ²/NDF:617621775056.1/61
All: 1.088+/-0.000 χ²/NDF: 1312311695491.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 4541082.7/32

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5573107.1/36

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

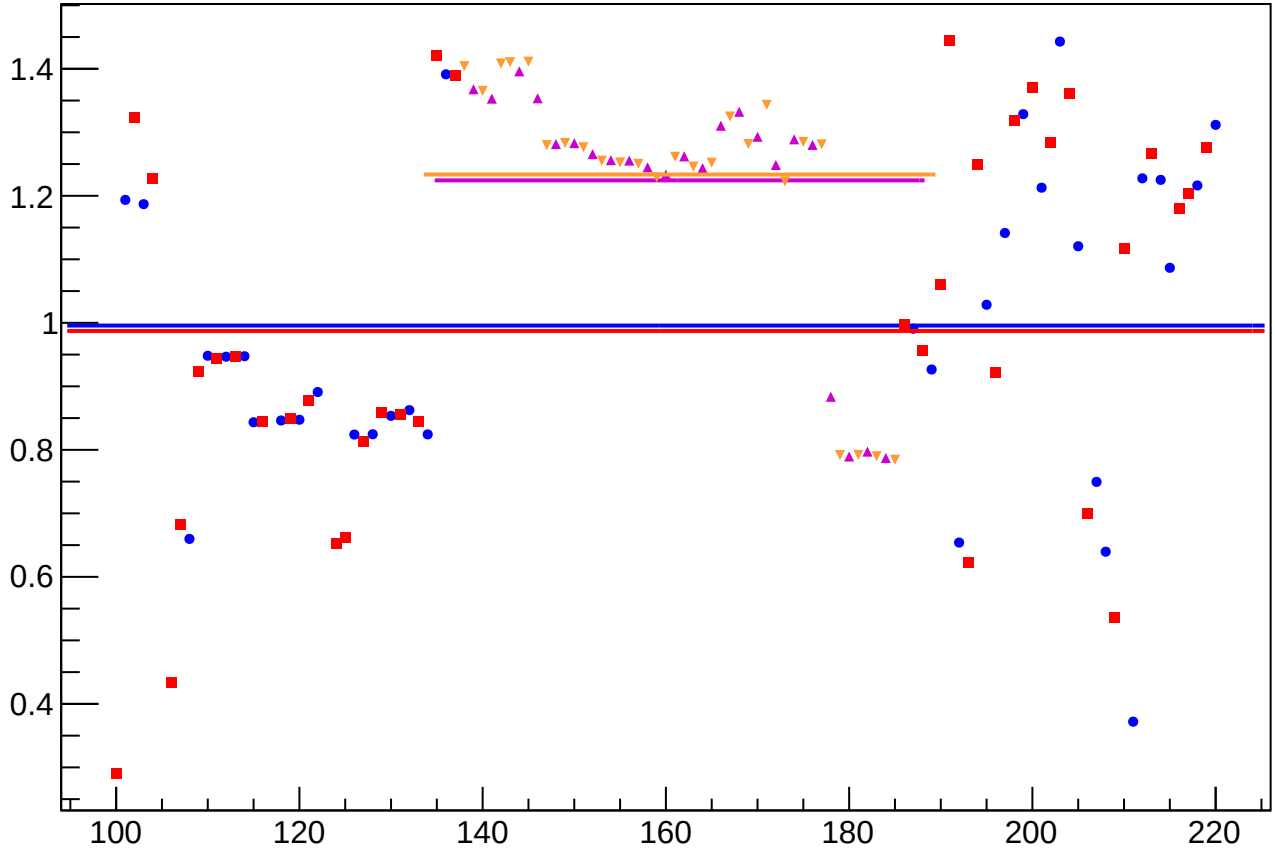
Right: 0.020+/-0.000 χ^2/NDF: 10139763.3/69

In: 0.014+/-0.000 χ^2/NDF:9935852.6/55

Out: 0.015+/-0.000 χ^2/NDF:11792437.6/61

All: 0.015+/-0.000 χ^2/NDF: 21737538.8/117

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.996+/-0.000 χ^2/NDF: 2507813450.8/32

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.987+/-0.000 χ^2/NDF: 2701874246.4/36

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

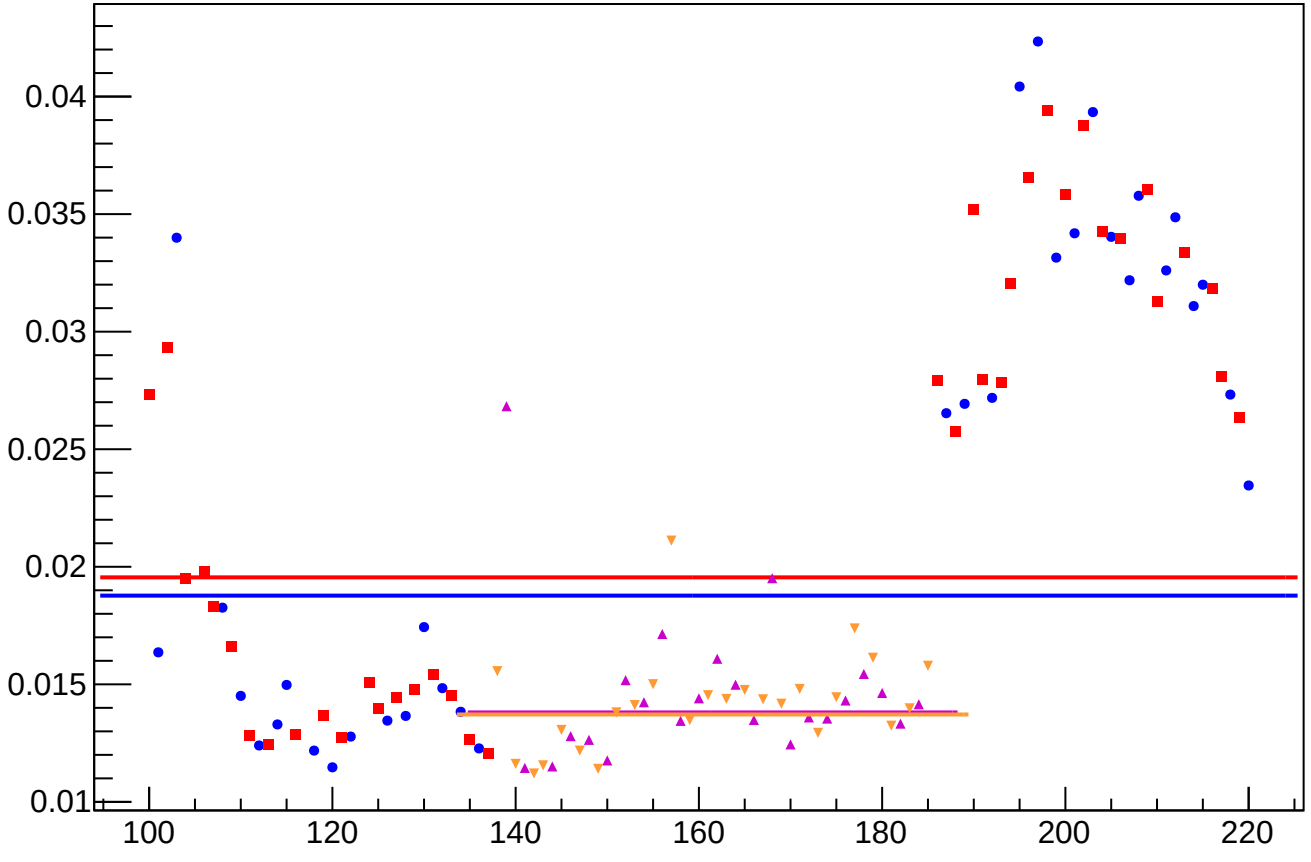
Right: 0.992+/-0.000 χ^2/NDF: 5211302464.0/69

In: 1.145+/-0.000 χ^2/NDF:6702867810.2/55

Out: 1.153+/-0.000 χ^2/NDF:7528177397.3/61

All: 1.149+/-0.000 χ^2/NDF: 14235364806.6/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 6751503.1/32

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.020+/-0.000 χ^2/NDF: 6214082.7/36

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

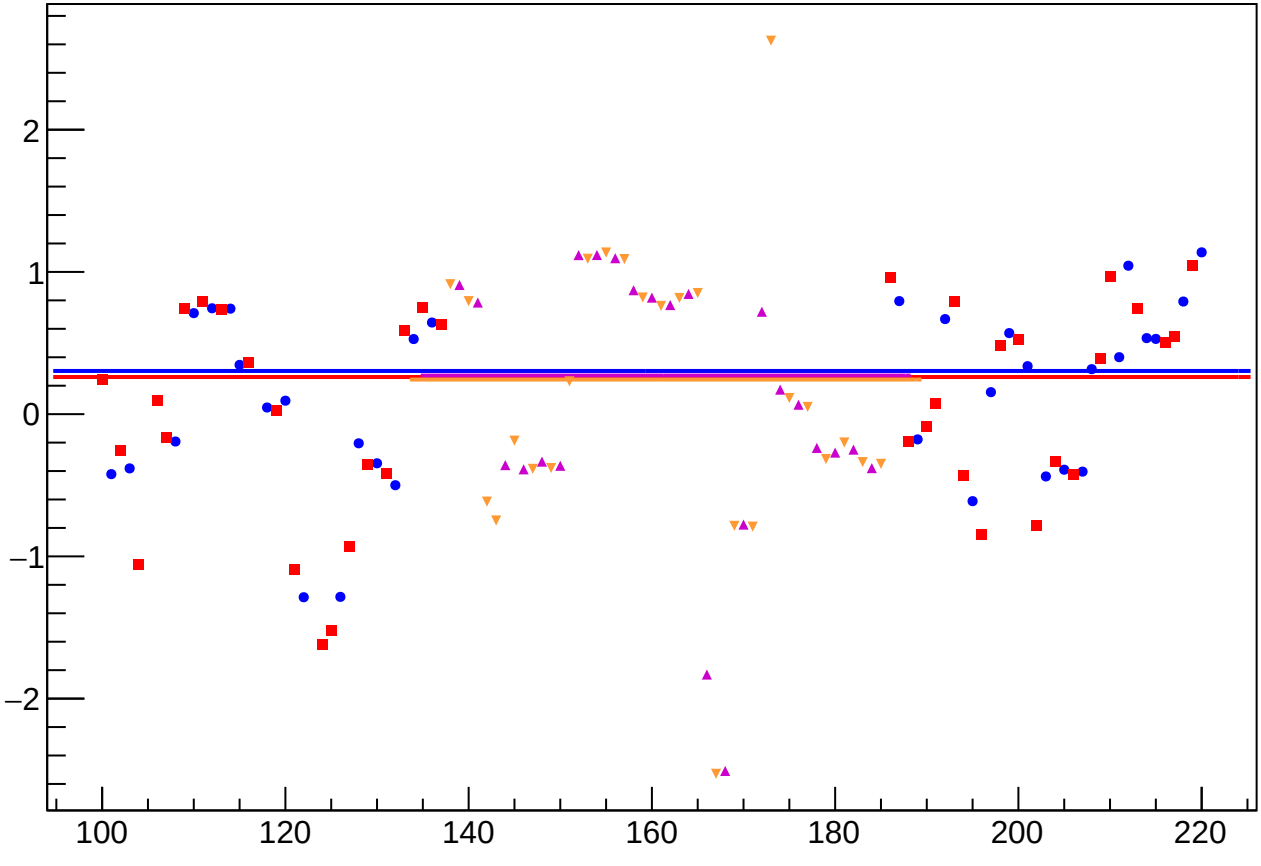
Right: 0.019+/-0.000 χ^2/NDF: 12992341.0/69

In: 0.016+/-0.000 χ^2/NDF:9078171.1/55

Out: 0.016+/-0.000 χ^2/NDF:8763138.5/61

All: 0.016+/-0.000 χ^2/NDF: 17842463.8/117

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.304+/-0.000 χ^2/NDF: 47826500300.5/32

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.261+/-0.000 χ^2/NDF: 57294639326.5/36

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

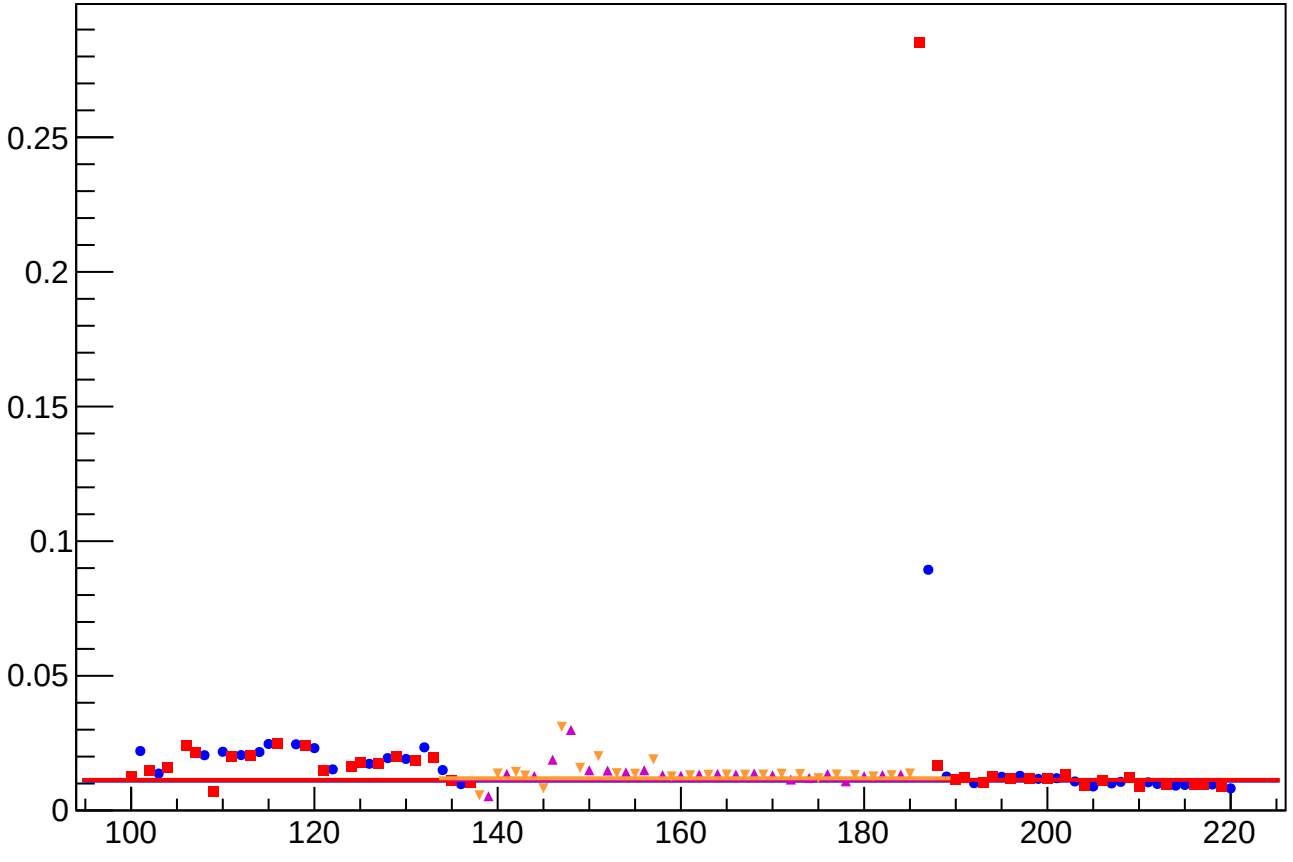
Right: 0.283+/-0.000 χ^2/NDF: 105247457934.3/69

In: 0.289+/-0.000 χ^2/NDF:138394759611.5/55

Out: 0.253+/-0.000 χ^2/NDF:162906420430.1/61

All: 0.271+/-0.000 χ^2/NDF: 301469549460.7

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 3117157.1/32

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 3507458.9/36

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

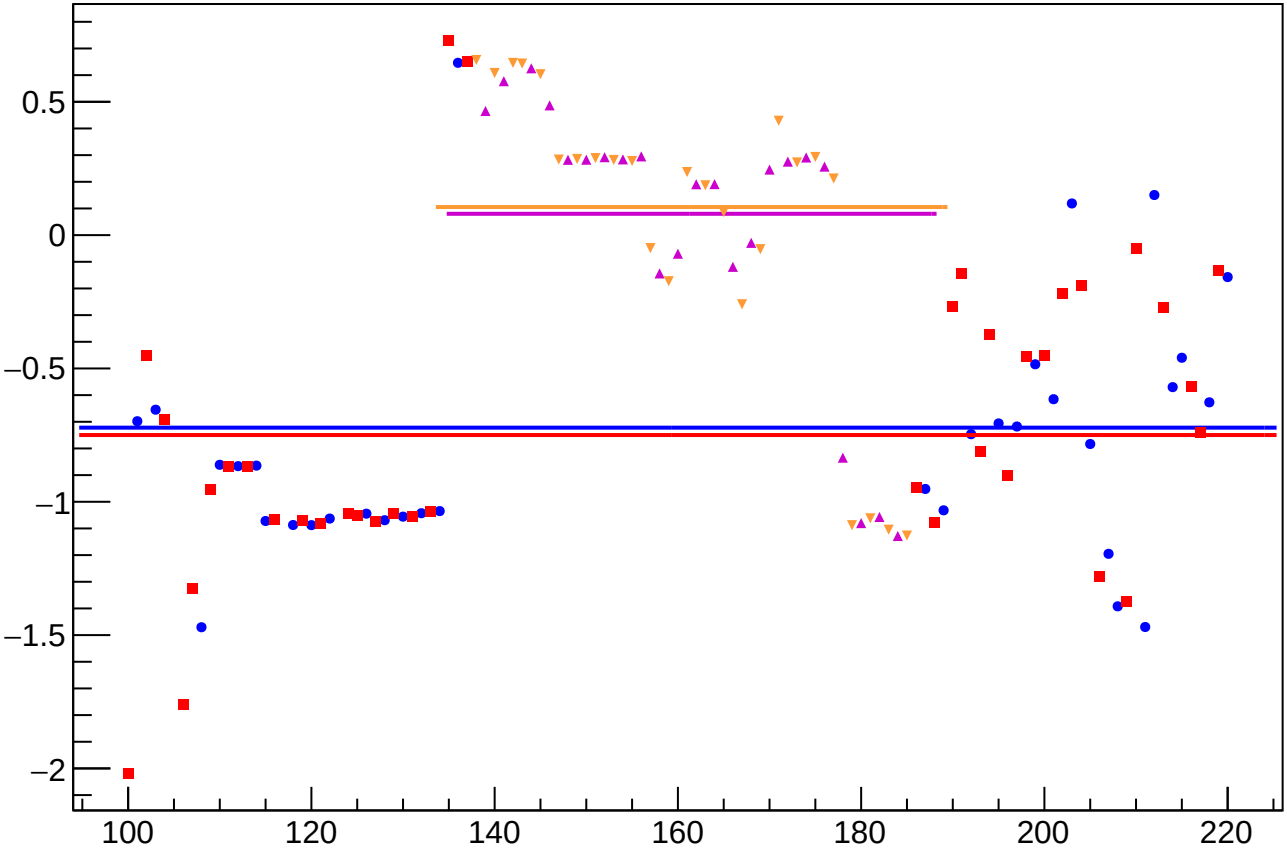
Right: 0.011+/-0.000 χ^2/NDF: 6634942.2/69

In: 0.011+/-0.000 χ^2/NDF:6810089.7/55

Out: 0.012+/-0.000 χ^2/NDF:6819018.5/61

All: 0.011+/-0.000 χ^2/NDF: 13663088.0/117

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.722+/-0.000 χ^2/NDF: 2480500235.9/32

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.750+/-0.000 χ^2/NDF: 2311037624.5/36

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

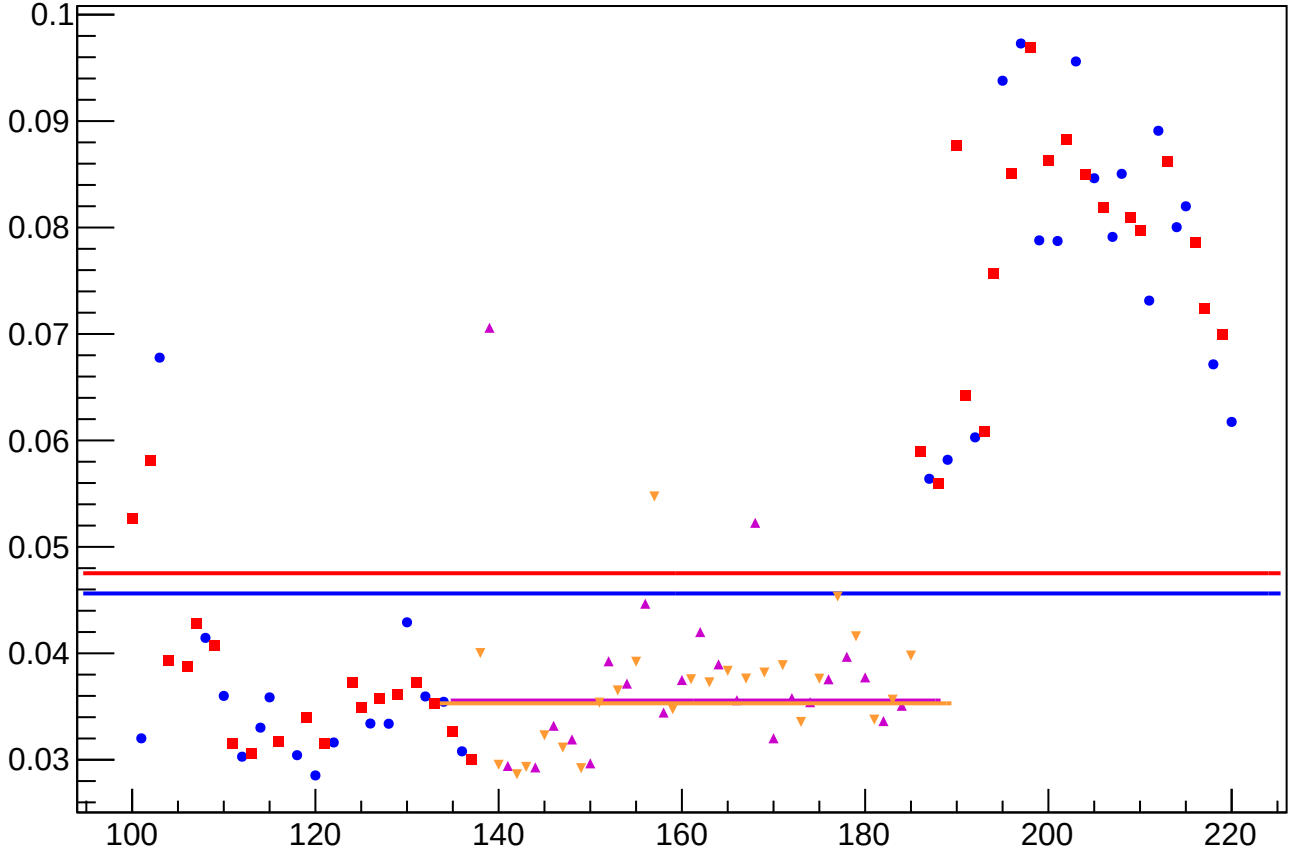
Right: -0.736+/-0.000 χ^2/NDF: 4794470760.1/69

In: -0.225+/-0.000 χ^2/NDF:8862505892.7/55

Out: -0.200+/-0.000 χ^2/NDF:9620668265.2/61

All: -0.212+/-0.000 χ^2/NDF: 18489714826.5/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.046+/-0.000 χ^2/NDF: 6574343.2/32

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.048+/-0.000 χ^2/NDF: 5872152.5/36

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

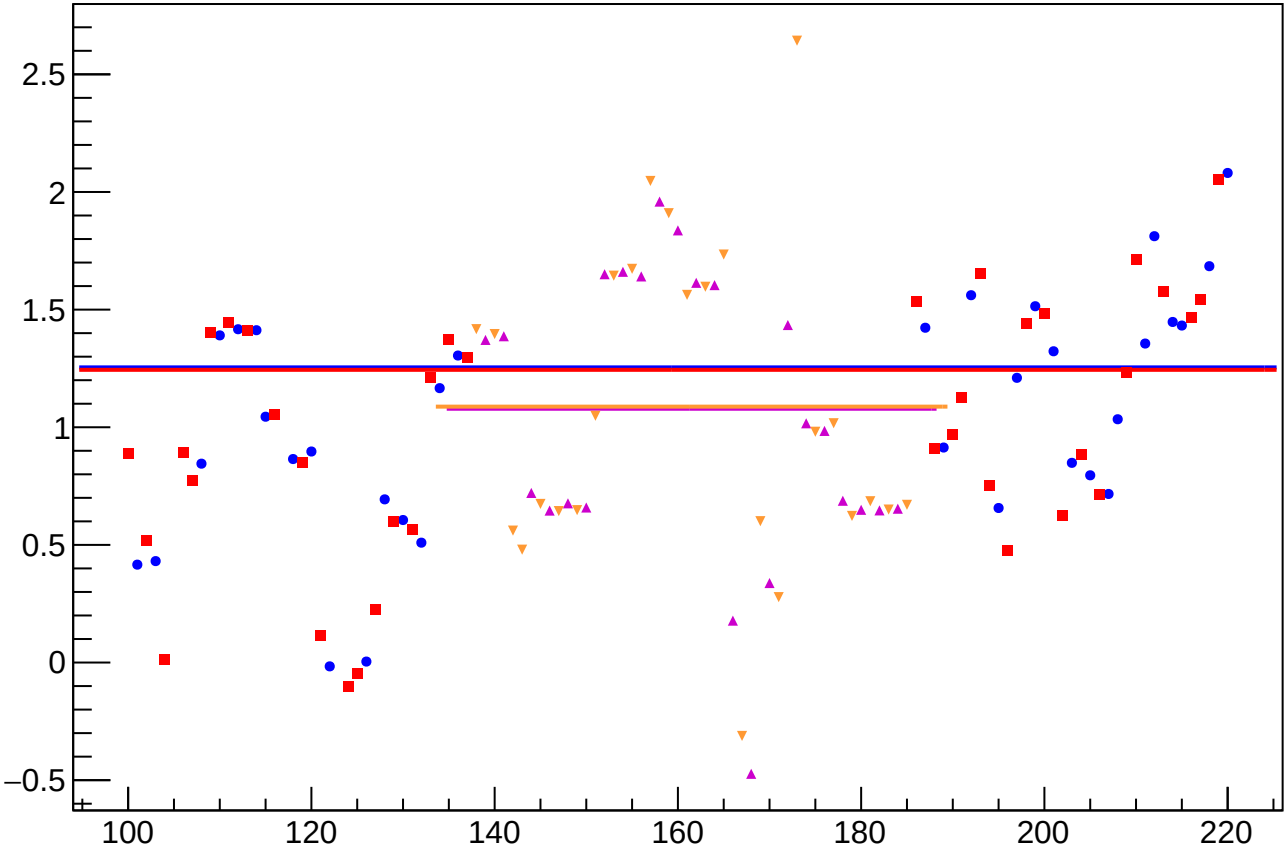
Right: 0.047+/-0.000 χ^2/NDF: 12474084.2/69

In: 0.039+/-0.000 χ^2/NDF:8514236.9/55

Out: 0.040+/-0.000 χ^2/NDF:7923461.8/61

All: 0.040+/-0.000 χ^2/NDF: 16439290.7/117

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.254+/-0.000 χ^2/NDF: 83104017801.4/32

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.244+/-0.000 χ^2/NDF: 85412976114.7/36

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

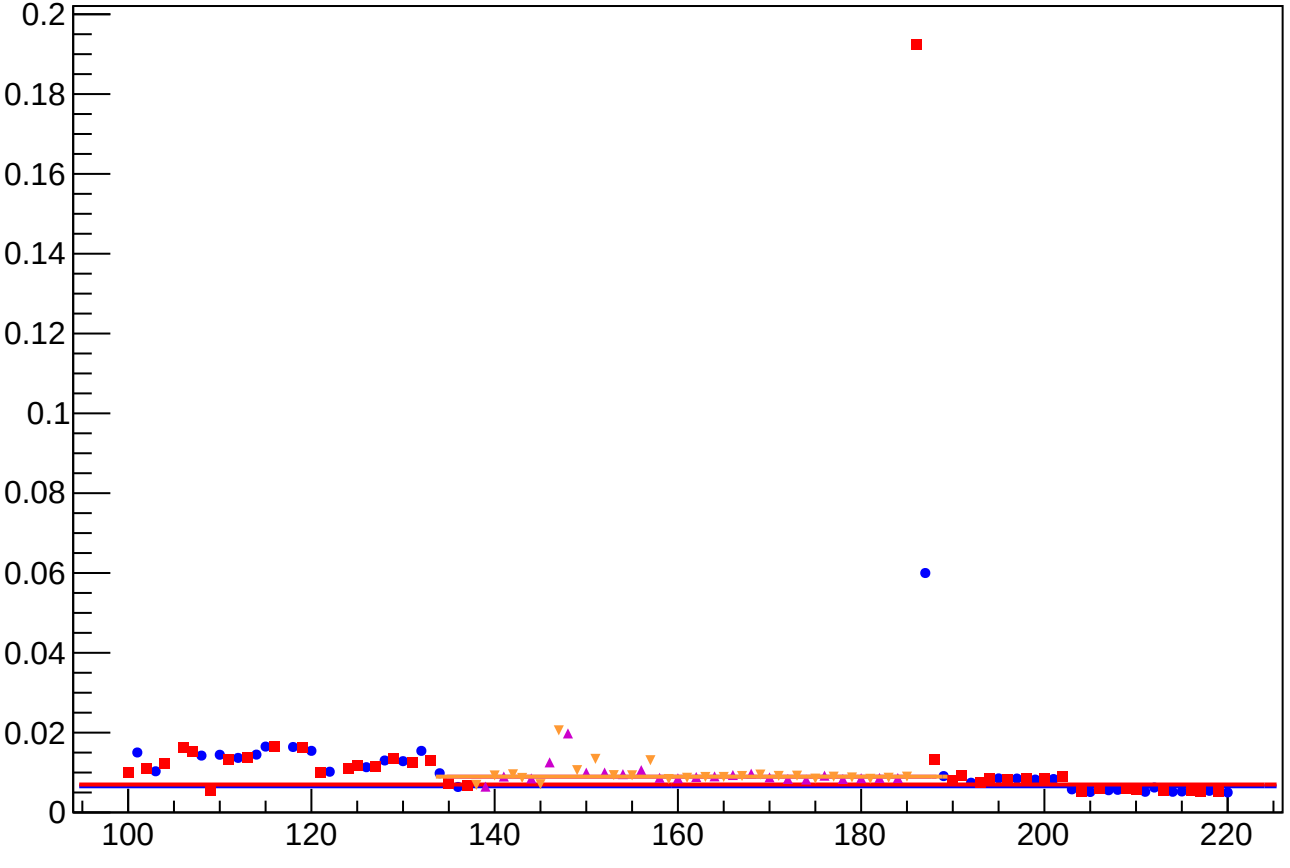
Right: 1.250+/-0.000 χ^2/NDF: 168537405188.8/69

In: 1.194+/-0.000 χ^2/NDF:161478836442.3/55

Out: 1.184+/-0.000 χ^2/NDF:182633319110.1/61

All: 1.189+/-0.000 χ^2/NDF: 344143590694.0

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4448916.4/32

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4758909.9/36

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

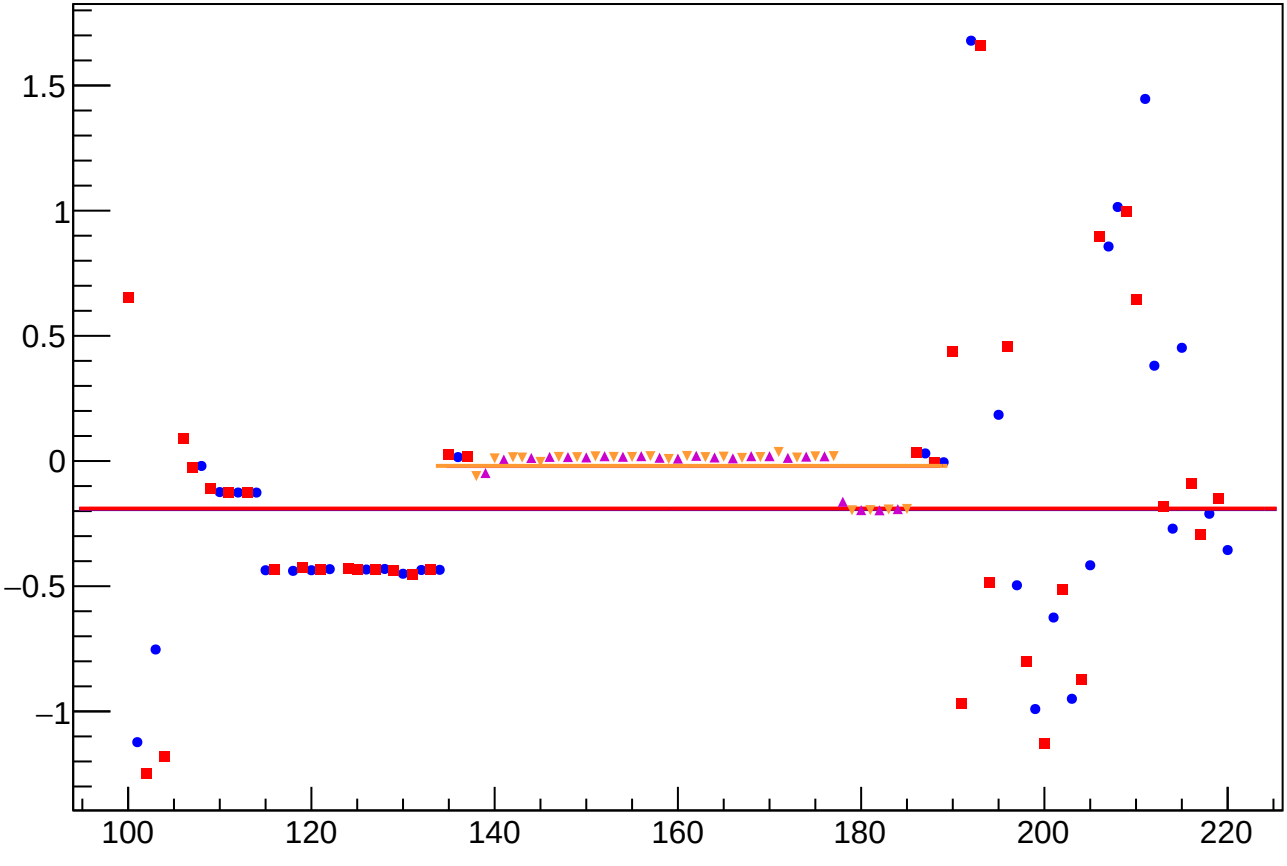
Right: 0.007+/-0.000 χ^2/NDF: 9282493.2/69

In: 0.007+/-0.000 χ^2/NDF:7003230.3/55

Out: 0.008+/-0.000 χ^2/NDF:6975615.9/61

All: 0.008+/-0.000 χ^2/NDF: 14066210.2/117

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.192+/-0.000 χ^2/NDF: 6227731632.4/32

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4555627292.3/36

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

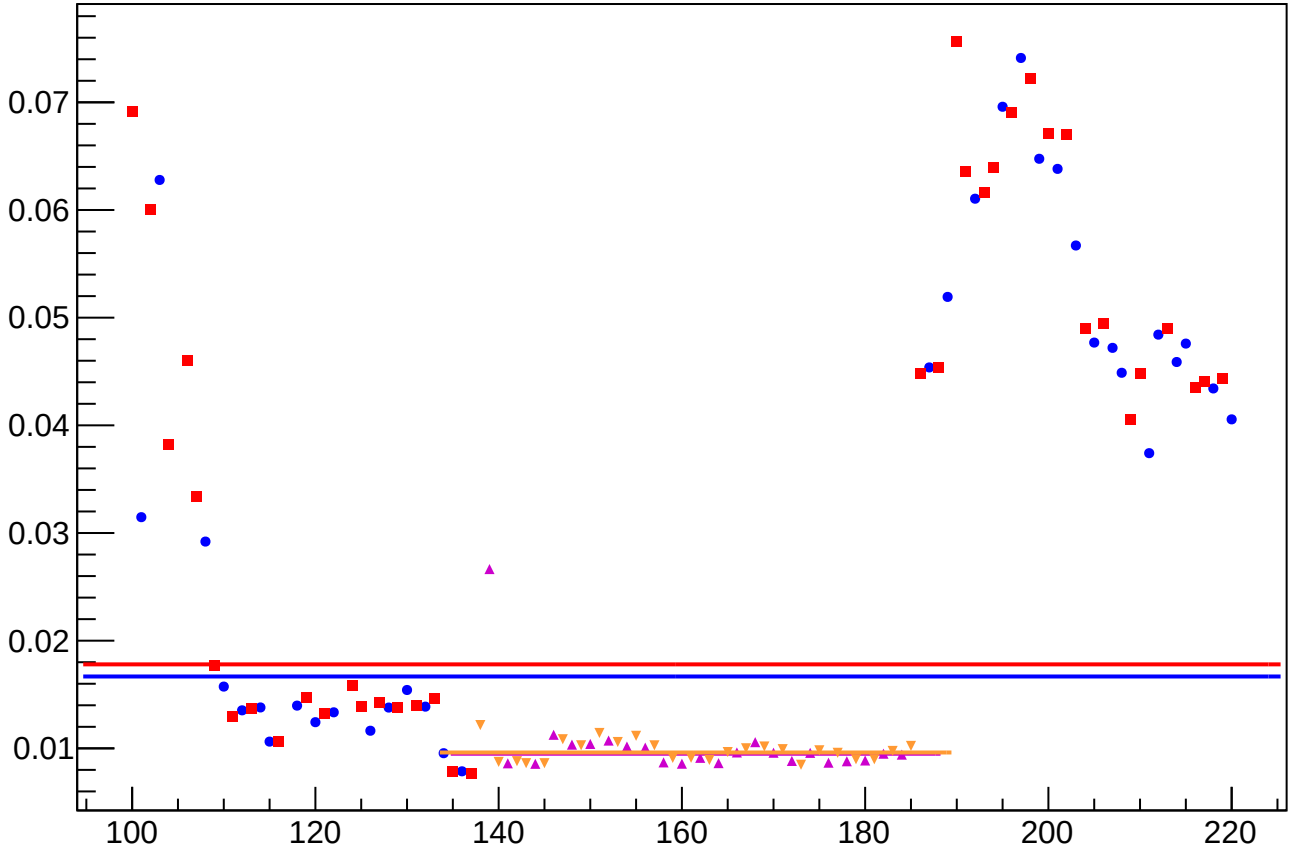
Right: -0.191+/-0.000 χ^2/NDF: 10783433846.1/69

In: -0.054+/-0.000 χ^2/NDF:8183257888.5/55

Out: -0.049+/-0.000 χ^2/NDF:6502750287.6/61

All: -0.051+/-0.000 χ^2/NDF: 14688531197.3/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 15633472.3/32

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 15790259.3/36

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

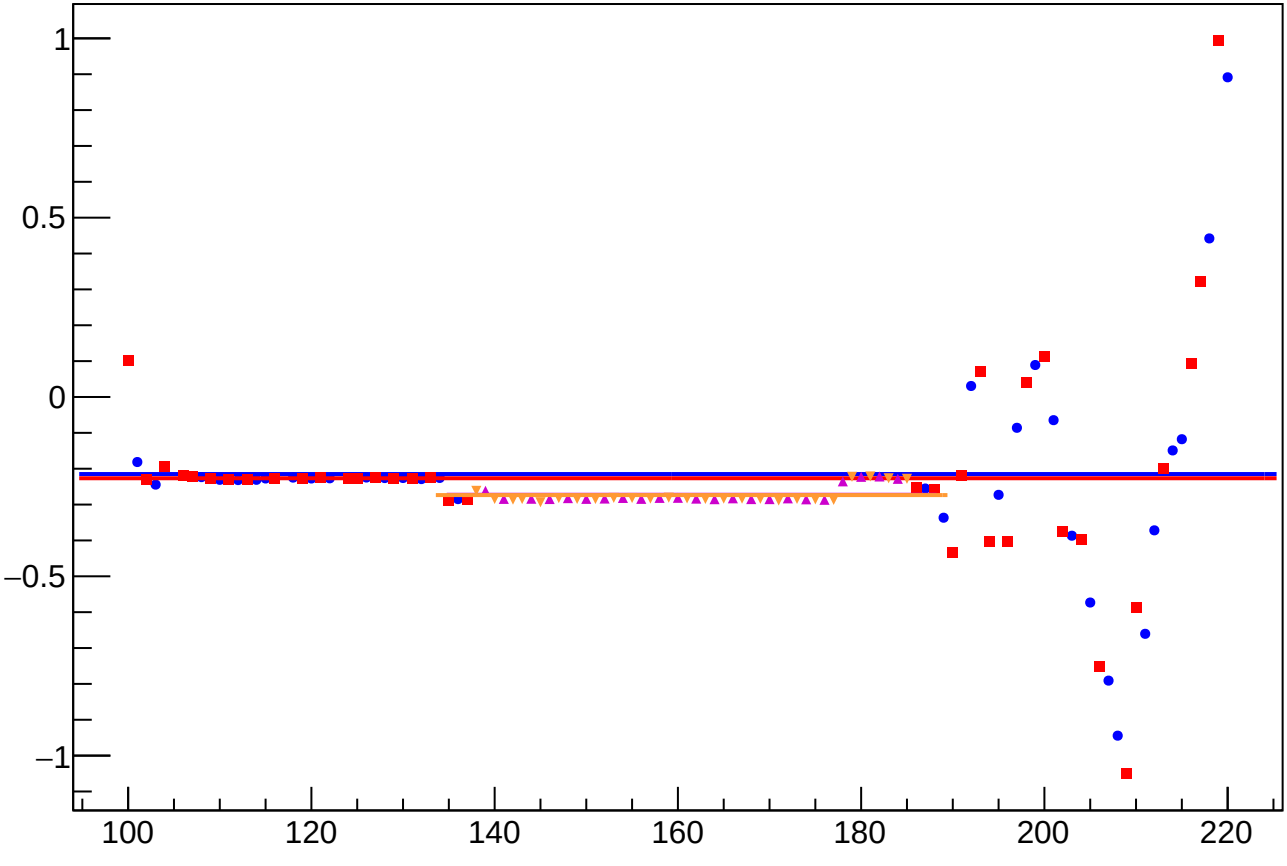
Right: 0.017+/-0.000 χ^2/NDF: 31472798.0/69

In: 0.011+/-0.000 χ^2/NDF:19920261.2/55

Out: 0.011+/-0.000 χ^2/NDF:20149205.7/61

All: 0.011+/-0.000 χ^2/NDF: 40072926.4/117

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.215+/-0.000 χ^2/NDF: 55583000959.9/32

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.227+/-0.000 χ^2/NDF: 54052880309.0/36

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

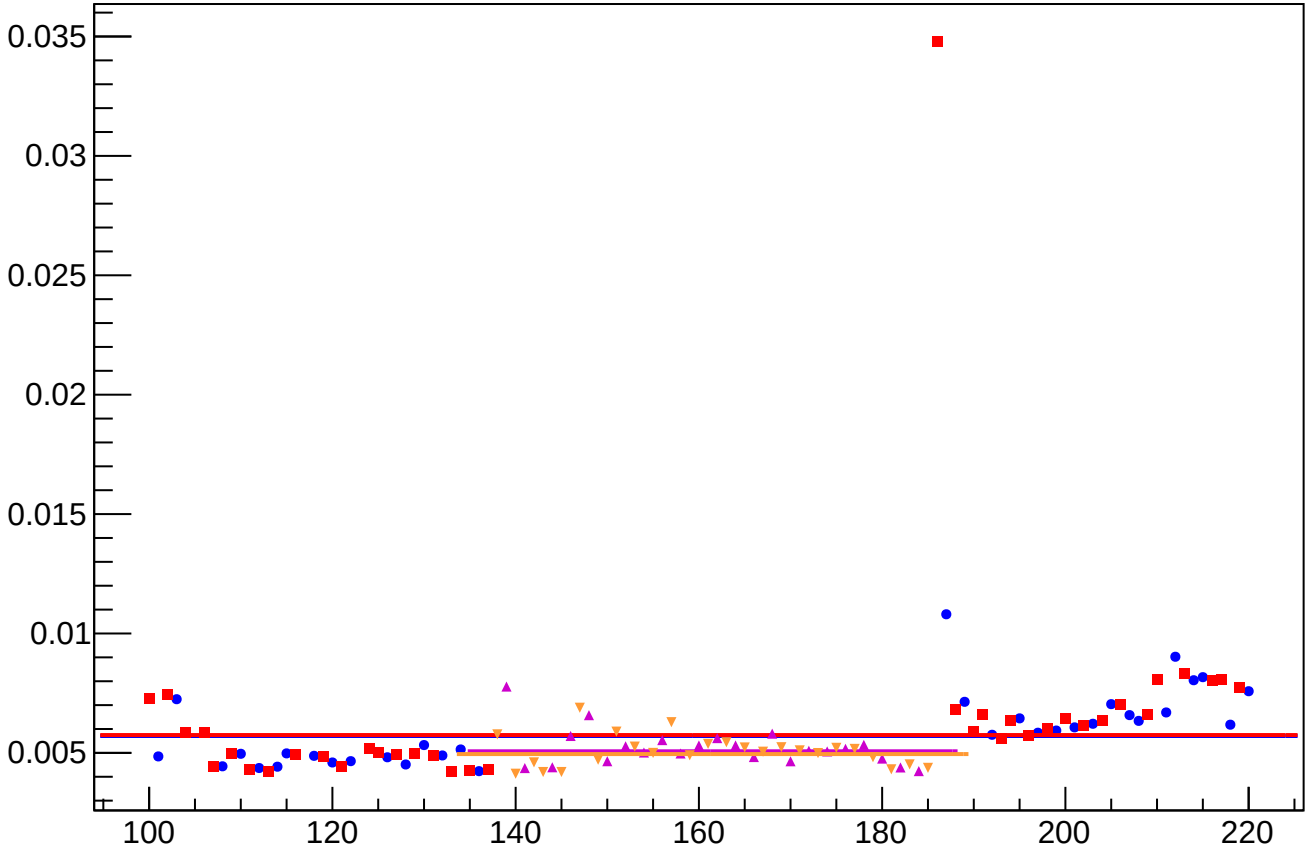
Right: -0.221+/-0.000 χ^2/NDF: 109675819958.1/69

In: -0.246+/-0.000 χ^2/NDF:56950762430.9/55

Out: -0.253+/-0.000 χ^2/NDF:55162289461.7/61

All: -0.249+/-0.000 χ^2/NDF: 112144634404.2

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1622524.6/32

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2211718.9/36

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

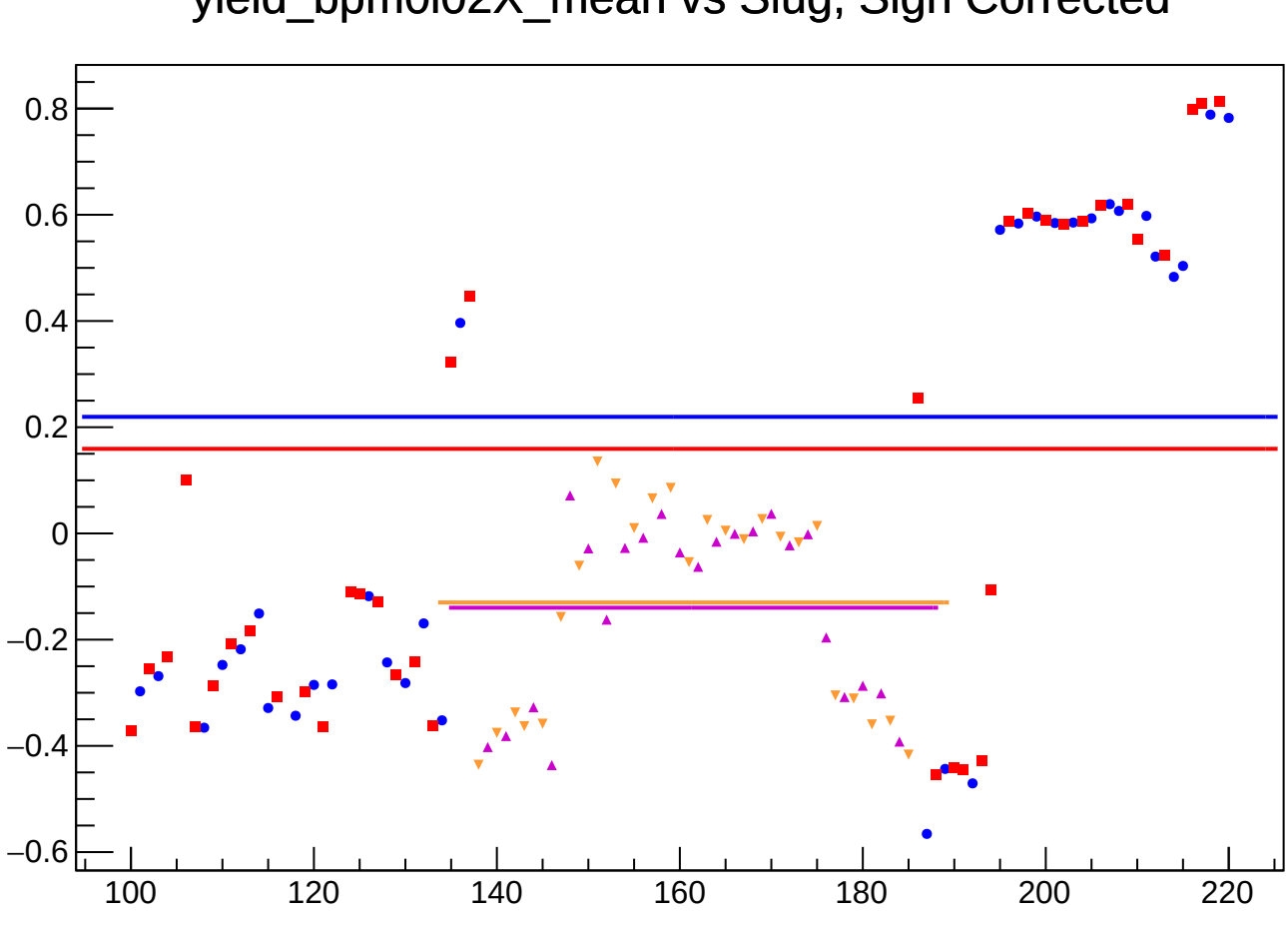
Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

Right: 0.006+/-0.000 χ^2/NDF: 3835137.8/69

In: 0.005+/-0.000 χ^2/NDF:2415911.6/55

Out: 0.005+/-0.000 χ^2/NDF:3152077.4/61

All: 0.005+/-0.000 χ^2/NDF: 5573059.9/117



Right In: 0.220+/-0.000 χ^2/NDF: 84707664432.9/32

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.159+/-0.000 χ^2/NDF: 90892088011.1/36

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

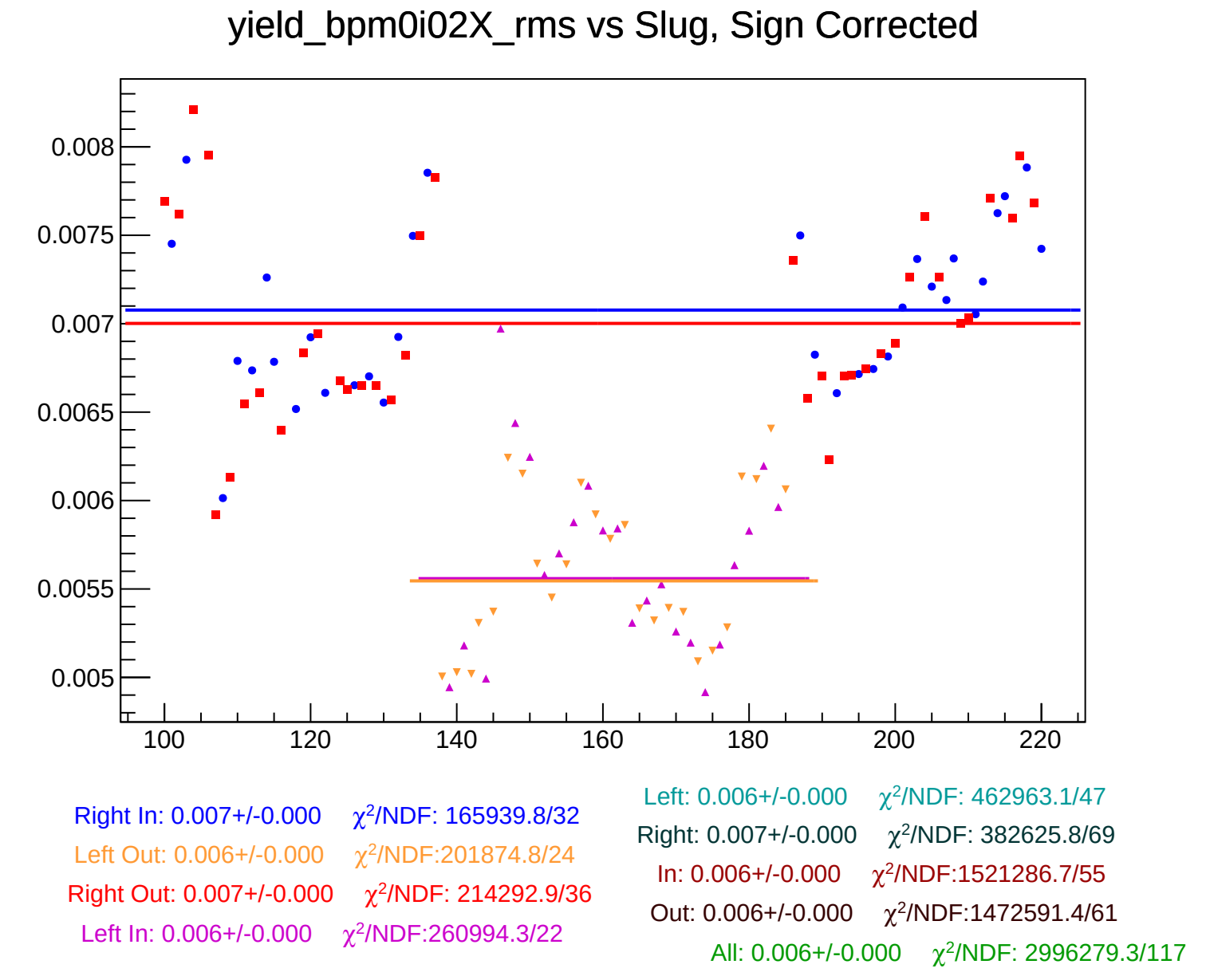
Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

Right: 0.189+/-0.000 χ^2/NDF: 176360678581.7/69

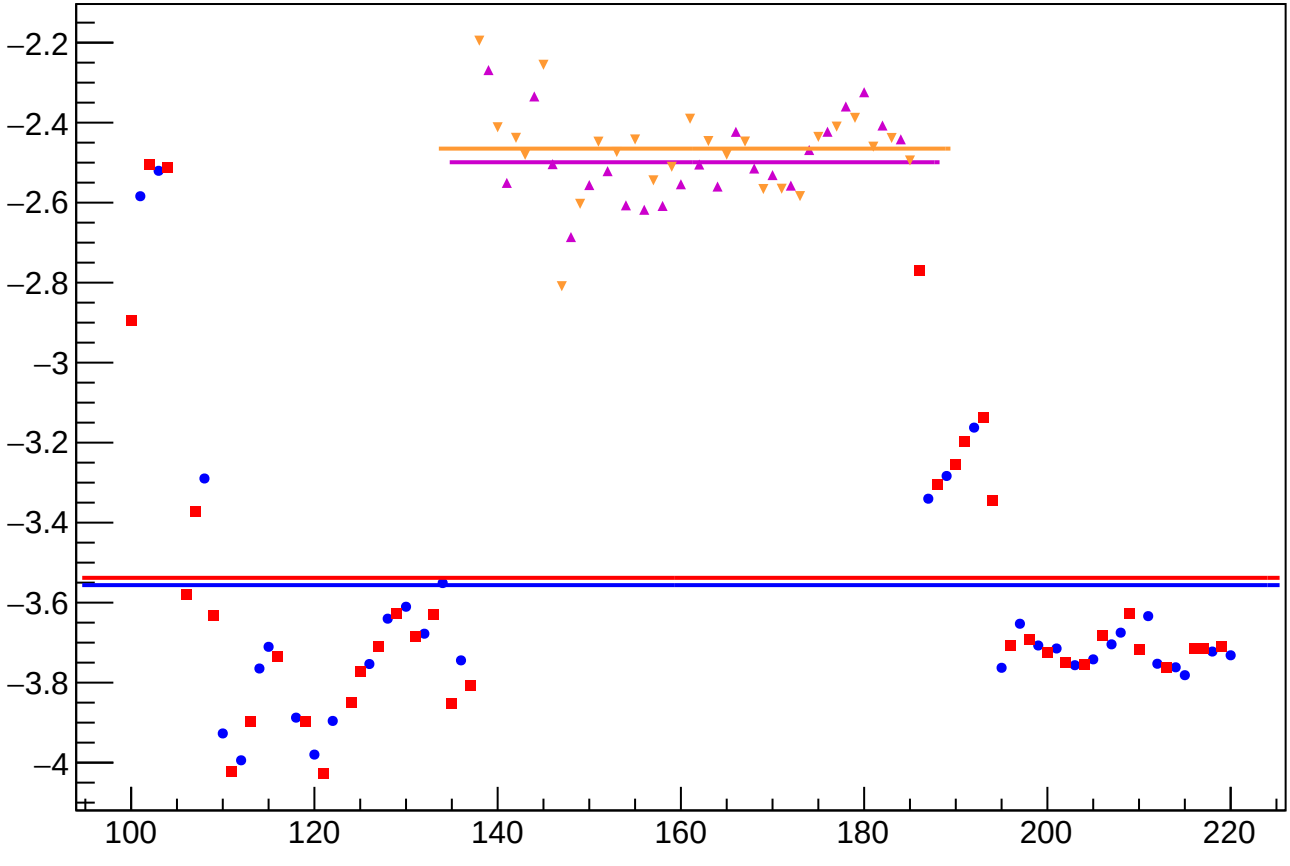
In: 0.013+/-0.000 χ^2/NDF:130504518534.4/55

Out: -0.009+/-0.000 χ^2/NDF:133239888531.4/61

All: 0.001+/-0.000 χ^2/NDF: 263980230567.9


yield_bpm0i02X_rms vs Slug, Sign Corrected
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
120
140
160
180
200
220
Right In: 0.007+/-0.000 χ²/NDF: 165939.8/32
Left Out: 0.006+/-0.000 χ²/NDF:201874.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 214292.9/36
Left In: 0.006+/-0.000 χ²/NDF:260994.3/22
Left: 0.006+/-0.000 χ²/NDF: 462963.1/47
Right: 0.007+/-0.000 χ²/NDF: 382625.8/69
In: 0.006+/-0.000 χ²/NDF:1521286.7/55
Out: 0.006+/-0.000 χ²/NDF:1472591.4/61
All: 0.006+/-0.000 χ²/NDF: 2996279.3/117

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.556+/-0.000 χ^2/NDF: 33987626075.3/32

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.538+/-0.000 χ^2/NDF: 35680524386.2/36

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

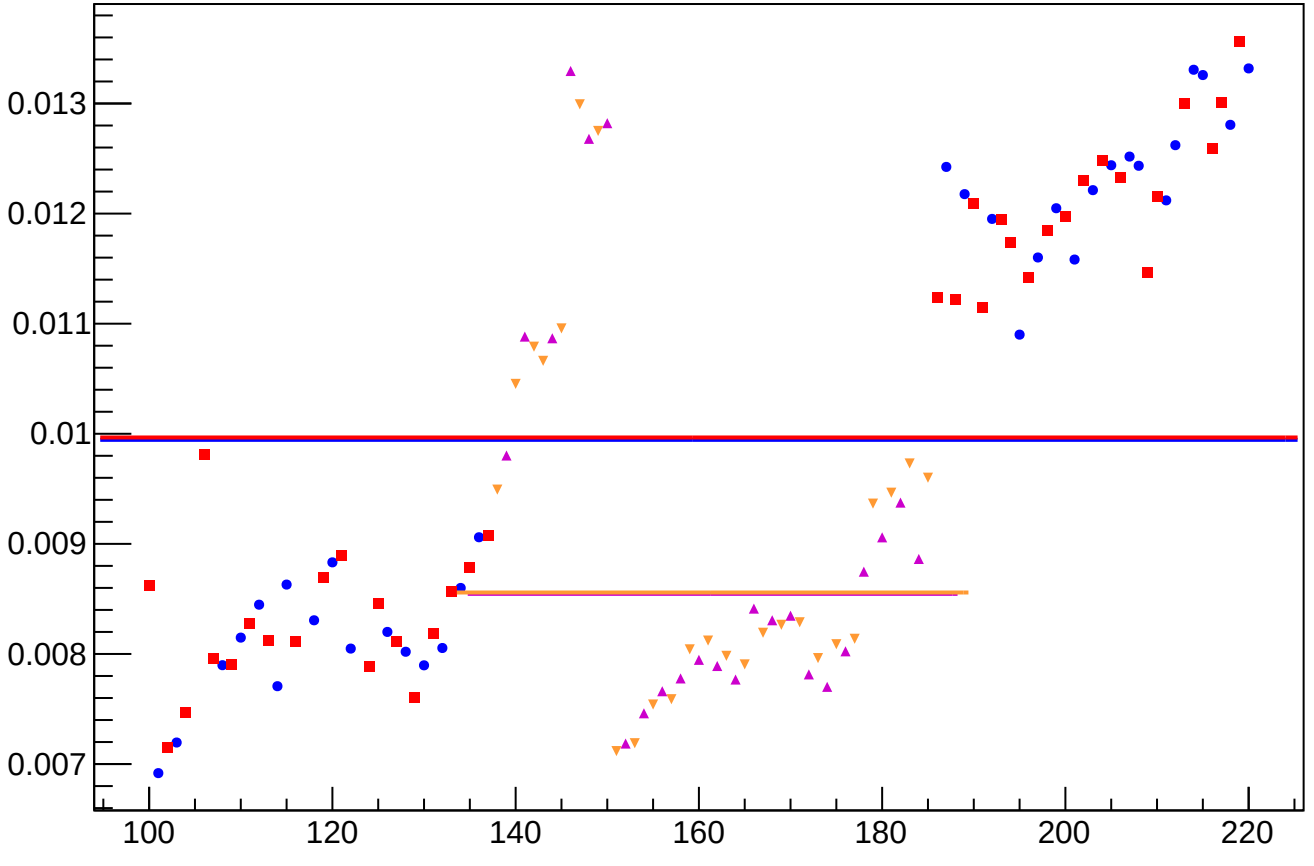
Right: -3.547+/-0.000 χ^2/NDF: 69701531473.1/69

In: -2.985+/-0.000 χ^2/NDF:156360095876.9/55

Out: -2.949+/-0.000 χ^2/NDF:165934528537.4/61

All: -2.966+/-0.000 χ^2/NDF: 322579872688.1

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1950982.0/32

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1735510.5/36

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

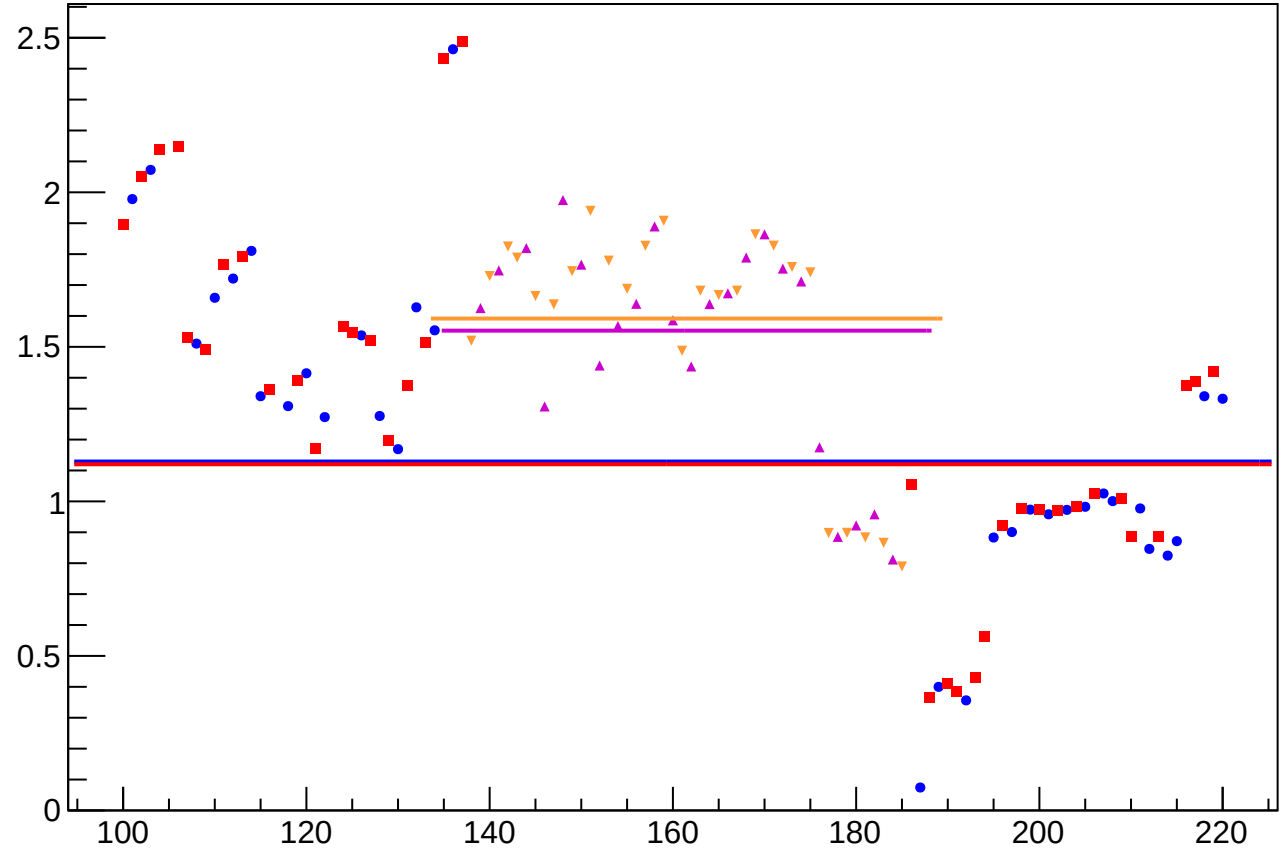
Right: 0.010+/-0.000 χ^2/NDF: 3686585.7/69

In: 0.009+/-0.000 χ^2/NDF:3282317.6/55

Out: 0.009+/-0.000 χ^2/NDF:3000652.0/61

All: 0.009+/-0.000 χ^2/NDF: 6282978.9/117

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.129+/-0.000 χ^2/NDF: 31122399714.8/32

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.120+/-0.000 χ^2/NDF: 35889972774.5/36

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

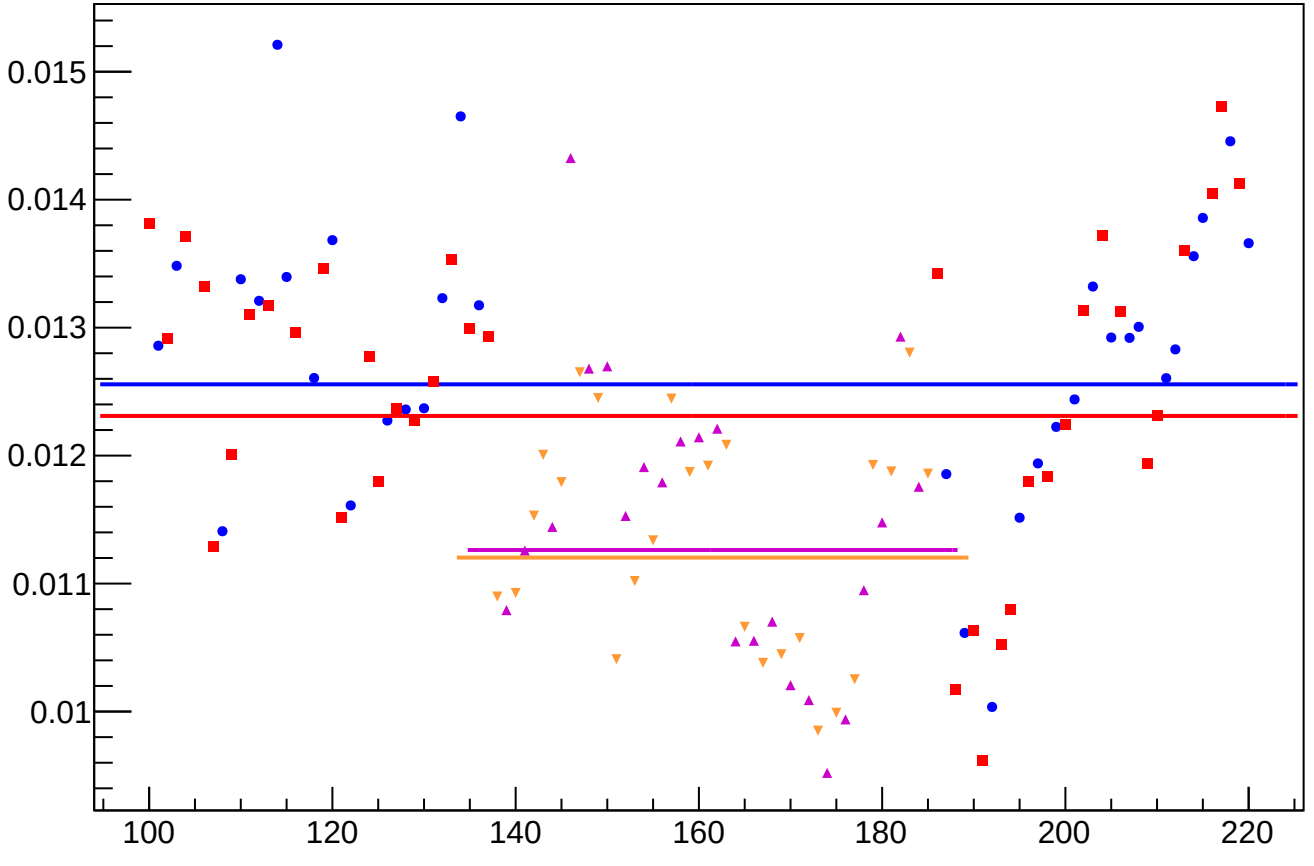
Right: 1.124+/-0.000 χ^2/NDF: 67017526012.0/69

In: 1.346+/-0.000 χ^2/NDF:57111659648.4/55

Out: 1.364+/-0.000 χ^2/NDF:68726219465.2/61

All: 1.356+/-0.000 χ^2/NDF: 125883040053.8

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 314744.4/32

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 431506.5/36

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

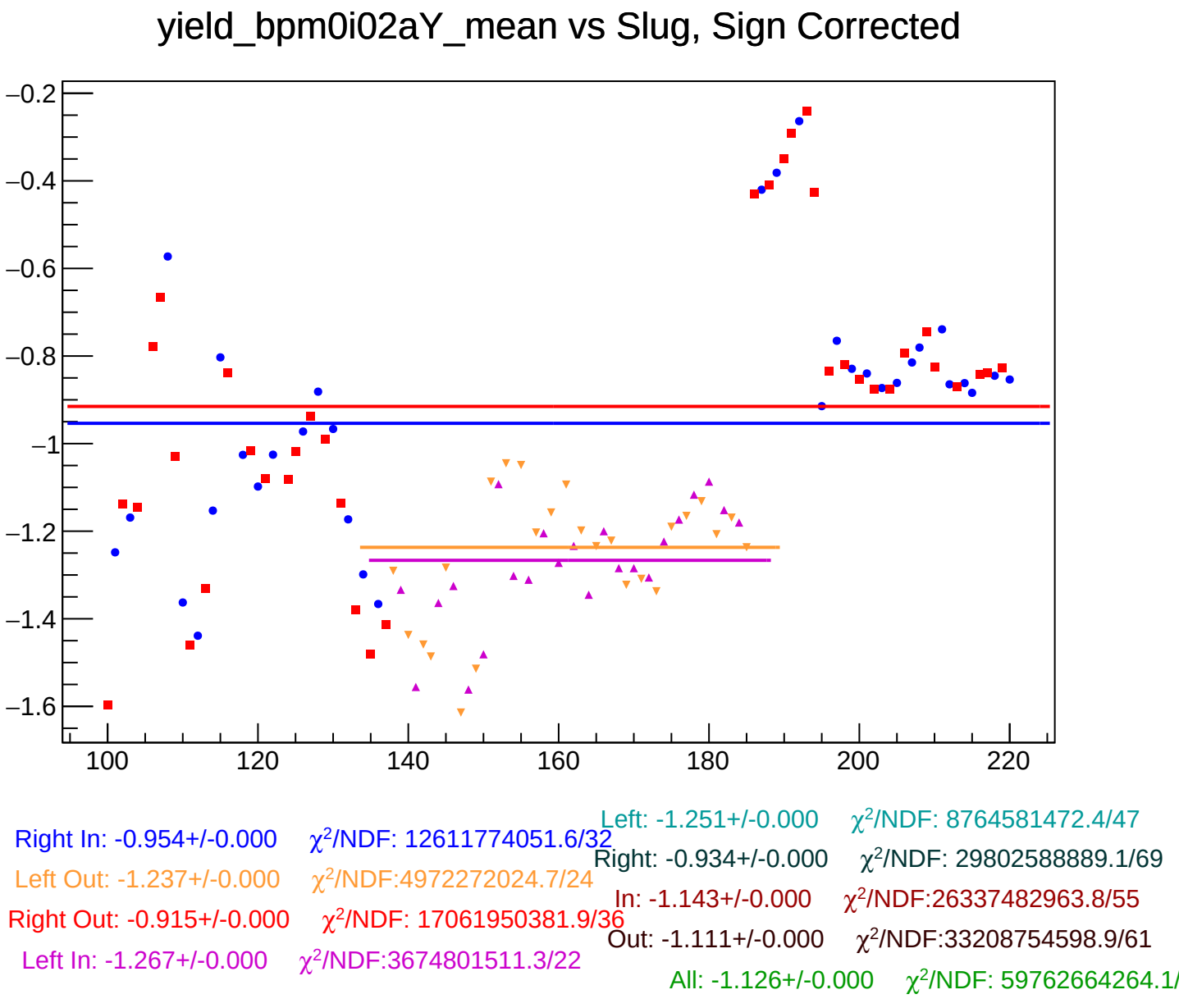
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 754379.1/69

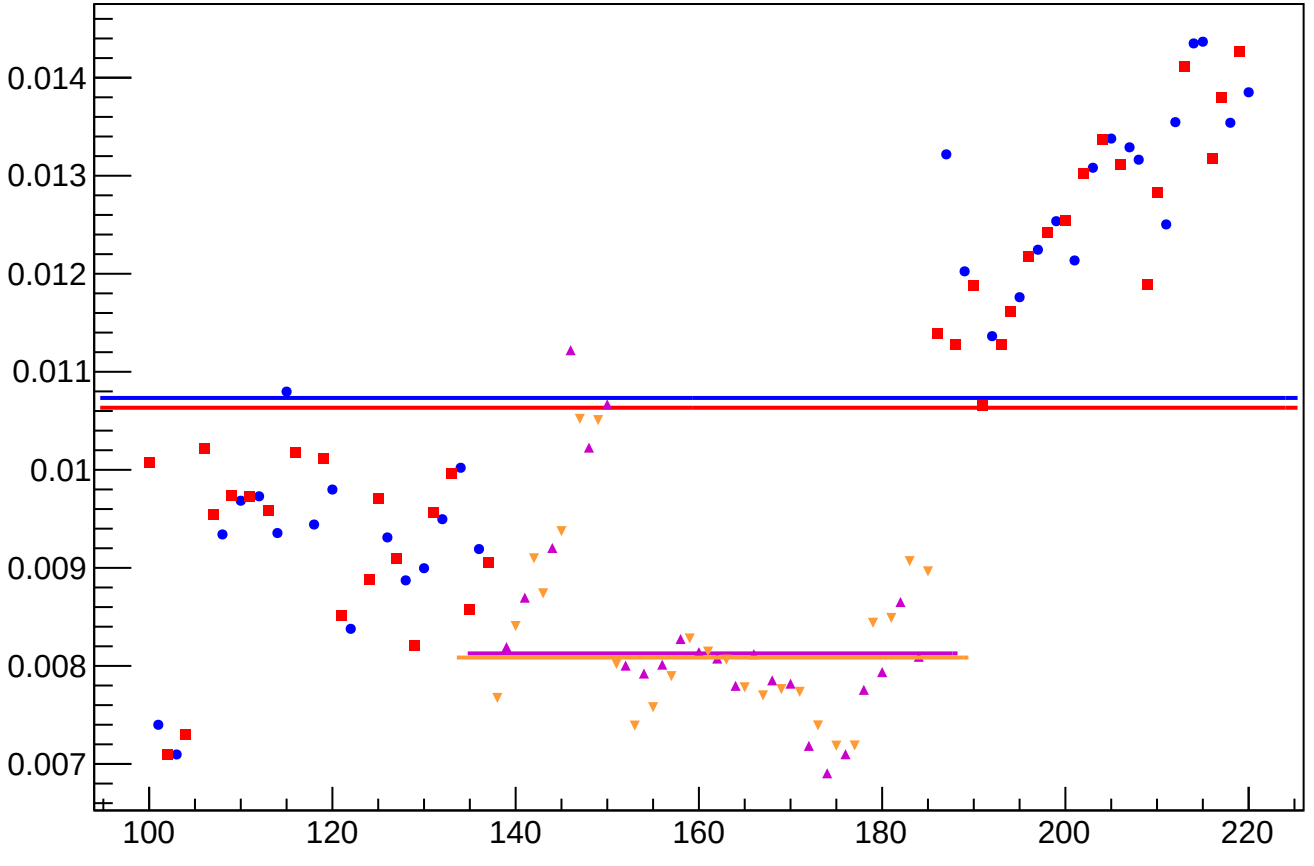
In: 0.012+/-0.000 χ^2/NDF:849457.9/55

Out: 0.012+/-0.000 χ^2/NDF:828794.6/61

All: 0.012+/-0.000 χ^2/NDF: 1684951.1/117


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
120
140
160
180
200
220
Right In: -0.954+/-0.000 χ²/NDF: 12611774051.6/32
Left Out: -1.237+/-0.000 χ²/NDF:4972272024.7/24
Right Out: -0.915+/-0.000 χ²/NDF: 17061950381.9/36
Left In: -1.267+/-0.000 χ²/NDF:3674801511.3/22
Left: -1.251+/-0.000 χ²/NDF: 8764581472.4/47
Right: -0.934+/-0.000 χ²/NDF: 29802588889.1/69
In: -1.143+/-0.000 χ²/NDF:26337482963.8/55
Out: -1.111+/-0.000 χ²/NDF:33208754598.9/61
All: -1.126+/-0.000 χ²/NDF: 59762664264.1/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 1707571.6/32

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 1563494.7/36

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

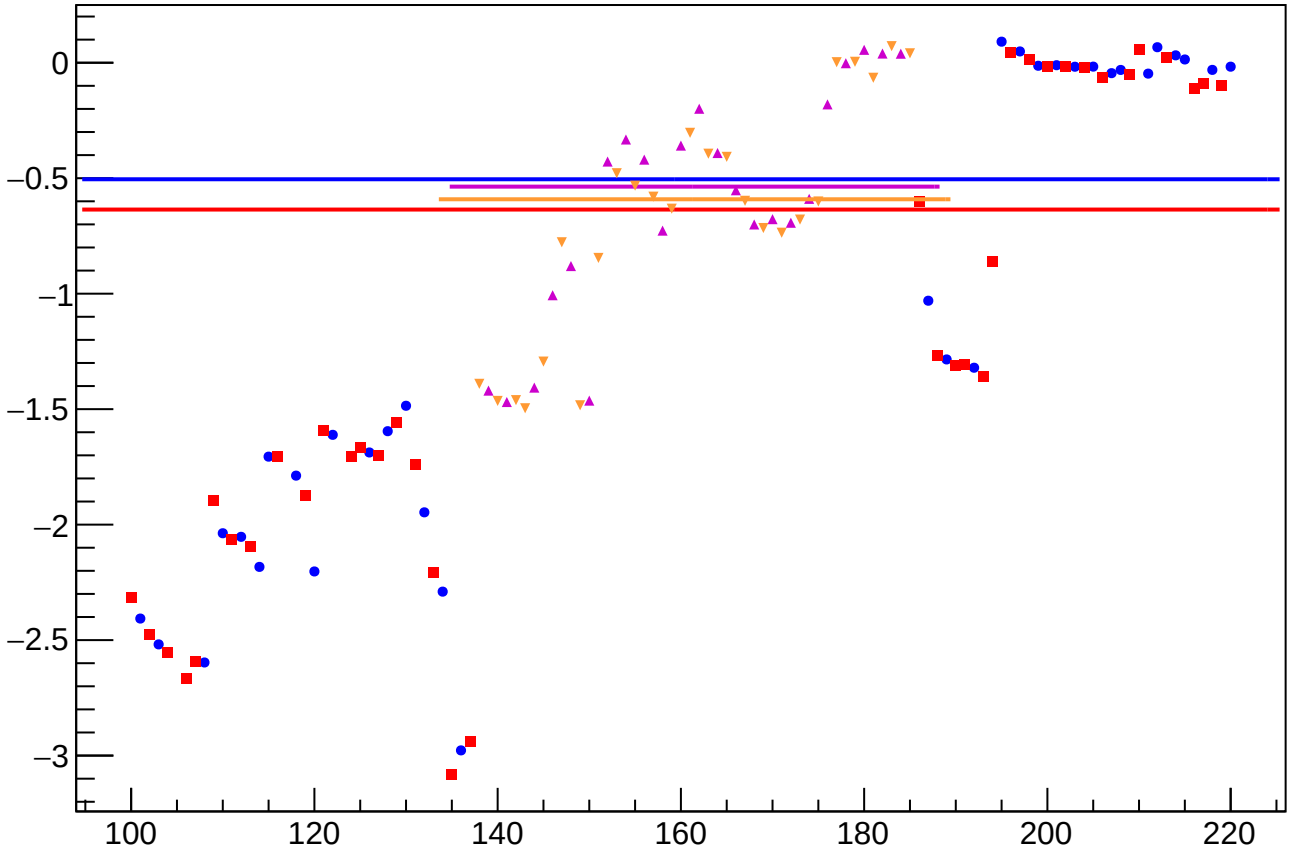
Right: 0.011+/-0.000 χ^2/NDF: 3272795.8/69

In: 0.009+/-0.000 χ^2/NDF:3510986.6/55

Out: 0.009+/-0.000 χ^2/NDF:3291977.3/61

All: 0.009+/-0.000 χ^2/NDF: 6805764.5/117

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -0.505+/-0.000 χ^2/NDF: 427041631478.4/32

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.636+/-0.000 χ^2/NDF: 447971516618.1/36

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

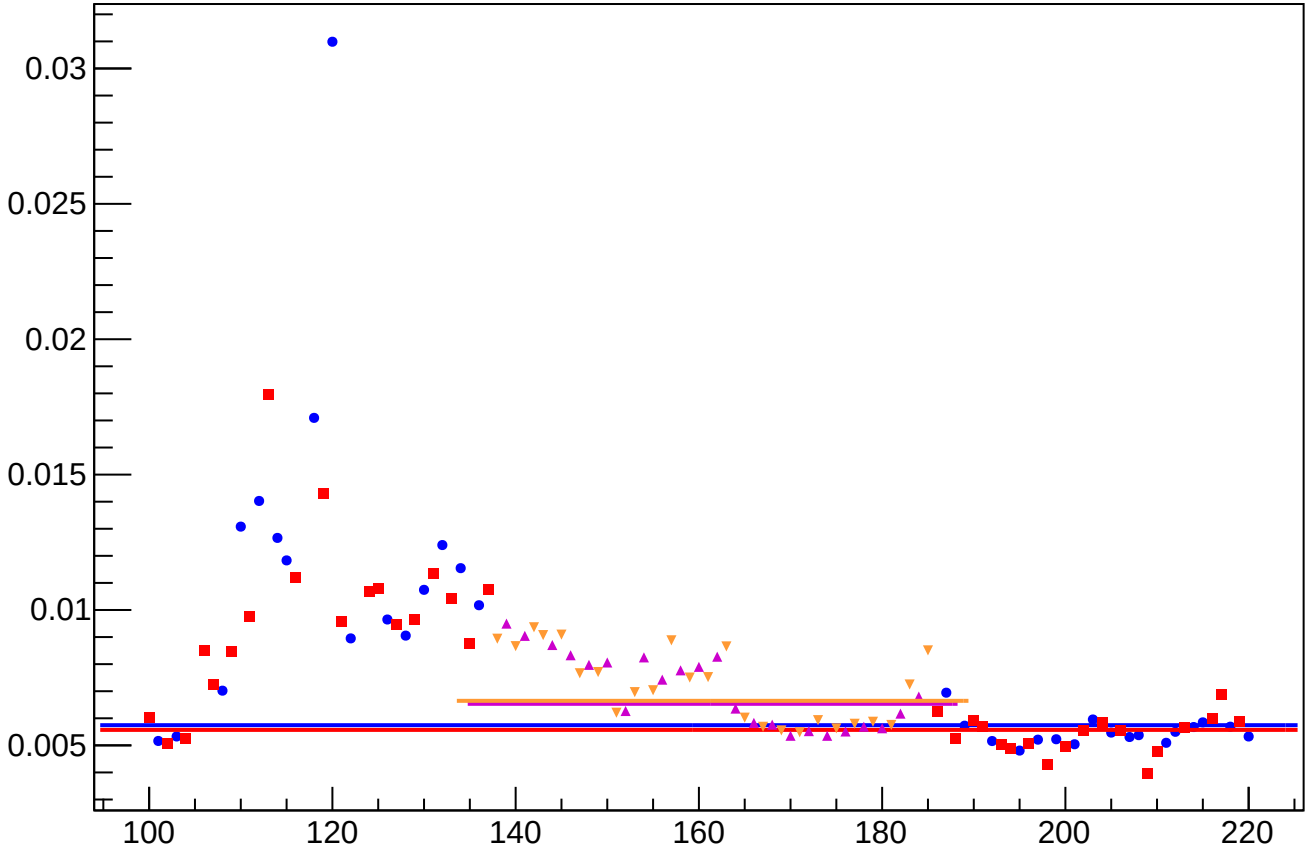
Right: -0.573+/-0.000 χ^2/NDF: 879739952089.5/69

In: -0.518+/-0.000 χ^2/NDF:497431927898.4/55

Out: -0.618+/-0.000 χ^2/NDF:521102263237.5/61

All: -0.569+/-0.000 χ^2/NDF: 1023183275537

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2553261.1/32

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2750209.0/36

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

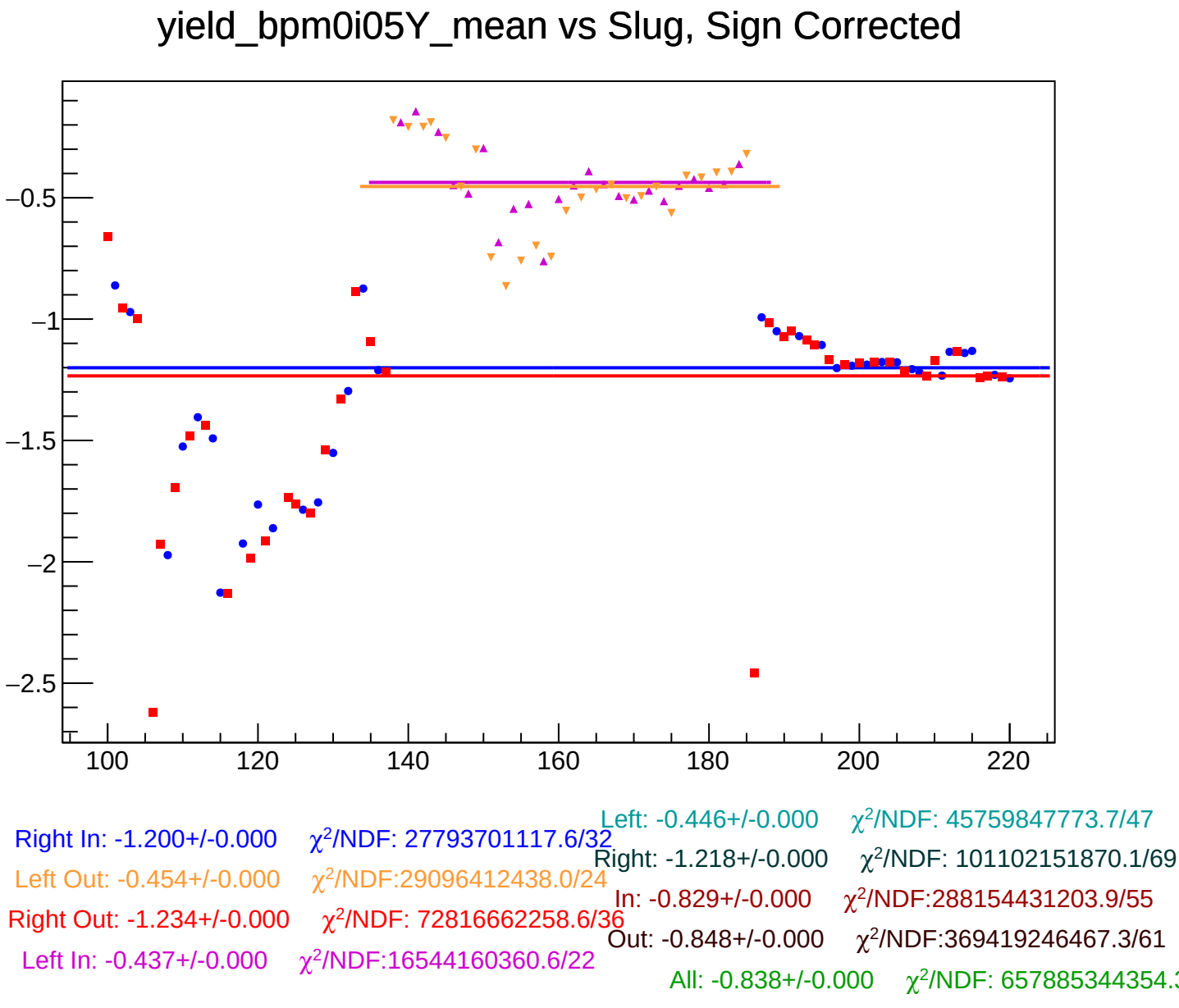
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5320105.6/69

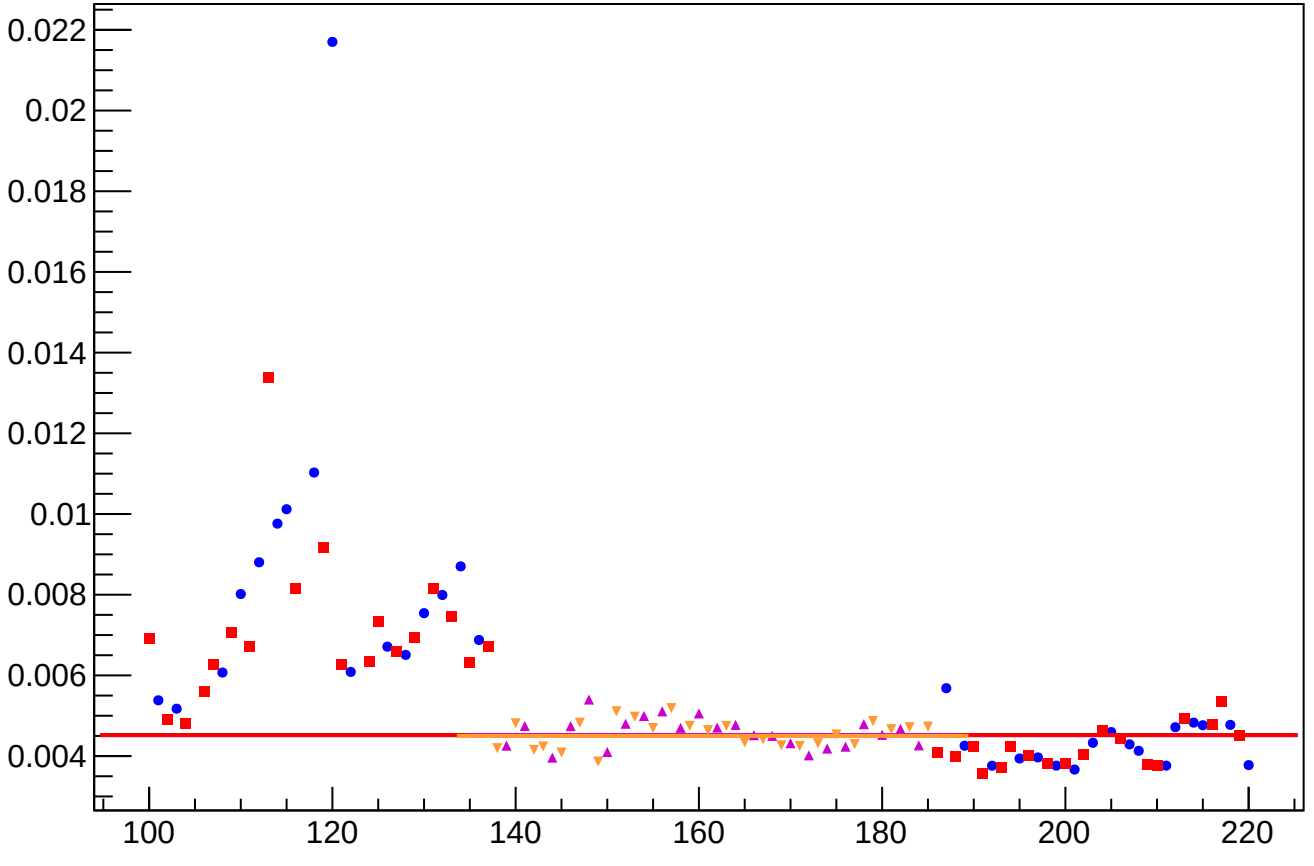
In: 0.006+/-0.000 χ^2/NDF:3976181.1/55

Out: 0.006+/-0.000 χ^2/NDF:4368018.1/61

All: 0.006+/-0.000 χ^2/NDF: 8348953.6/117


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
220
Right In: -1.200+/-0.000 χ²/NDF: 27793701117.6/32
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.234+/-0.000 χ²/NDF: 72816662258.6/36
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.218+/-0.000 χ²/NDF: 101102151870.1/69
In: -0.829+/-0.000 χ²/NDF:288154431203.9/55
Out: -0.848+/-0.000 χ²/NDF:369419246467.3/61
All: -0.838+/-0.000 χ²/NDF: 657885344354.3

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2324556.0/32

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2025589.5/36

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

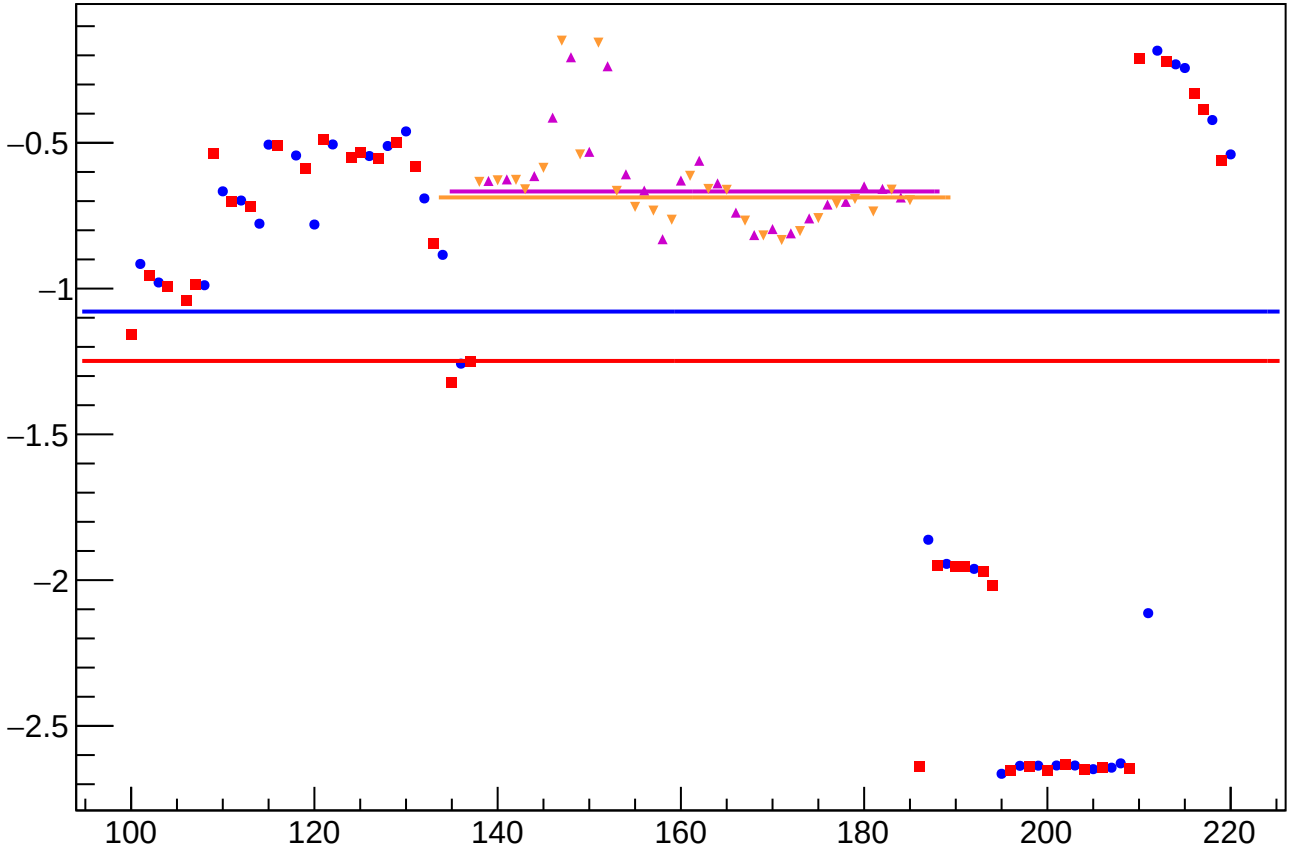
Right: 0.005+/-0.000 χ^2/NDF: 4350145.8/69

In: 0.005+/-0.000 χ^2/NDF:2536613.3/55

Out: 0.005+/-0.000 χ^2/NDF:2215143.0/61

All: 0.005+/-0.000 χ^2/NDF: 4751908.4/117

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 644188790184.8/32

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.248+/-0.000 χ^2/NDF: 767970838031.8/36

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

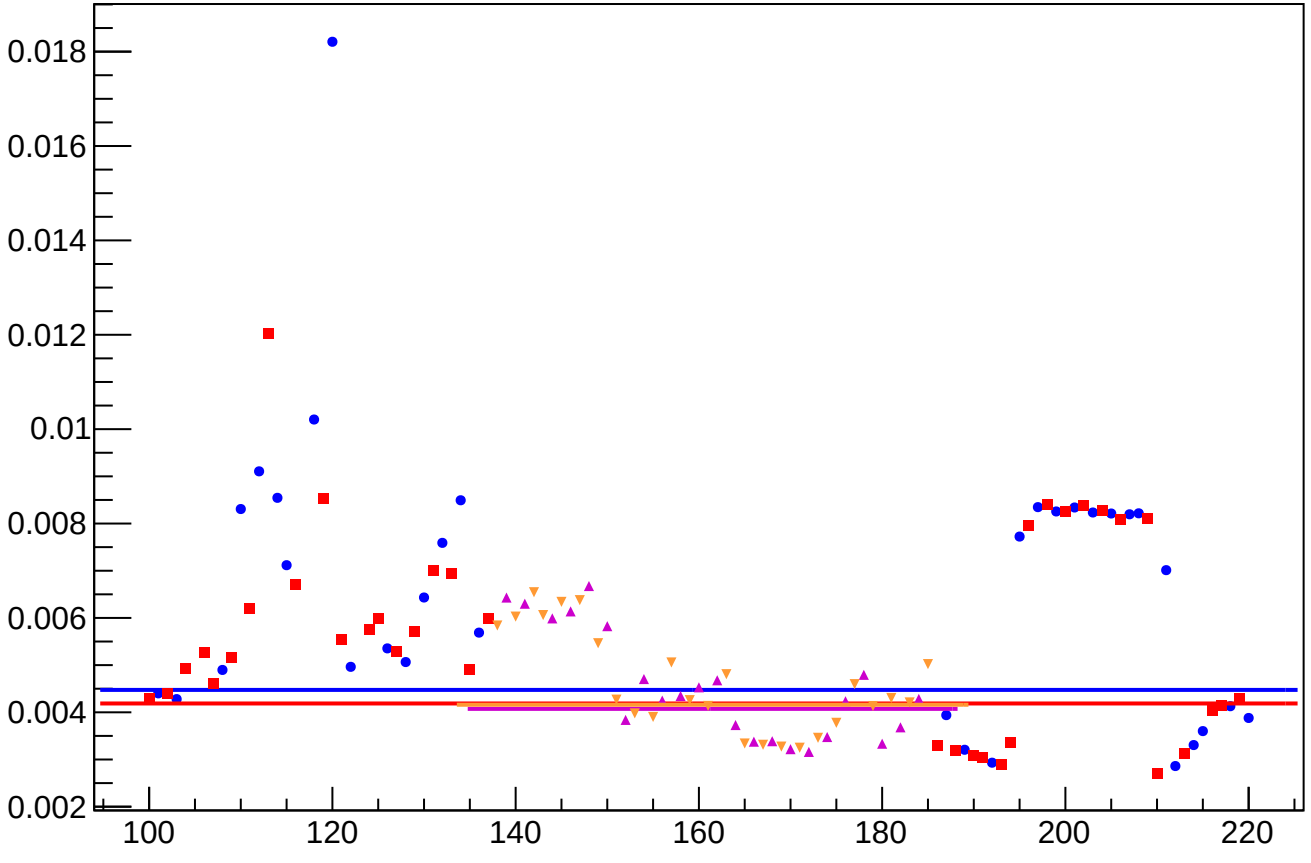
Right: -1.171+/-0.000 χ^2/NDF: 1425035686778.5/6

In: -0.859+/-0.000 χ^2/NDF:741909248440.0/55

Out: -0.970+/-0.000 χ^2/NDF:943286262125.9/61

All: -0.917+/-0.000 χ^2/NDF: 1696660315287

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5910214.0/32

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 5568237.2/36

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

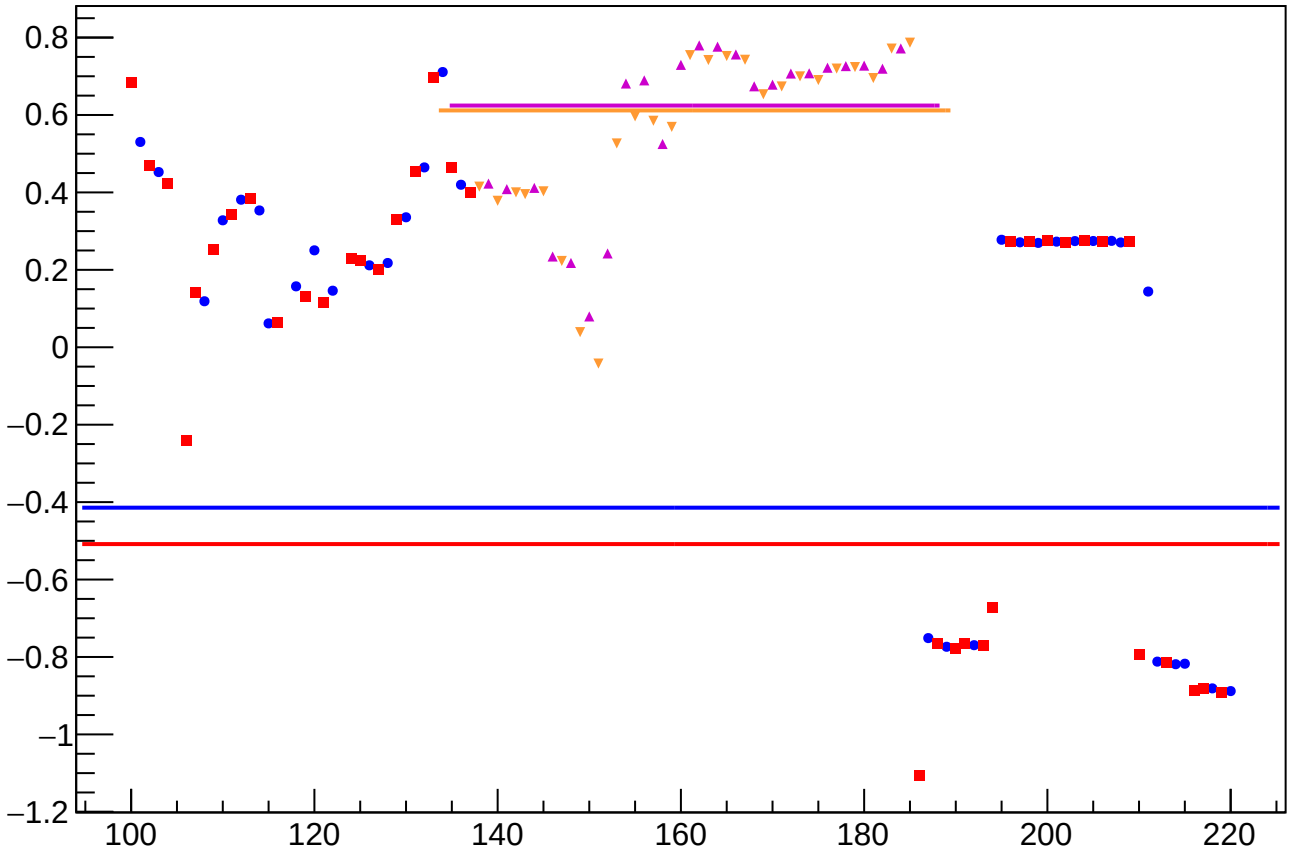
Right: 0.004+/-0.000 χ^2/NDF: 11552624.6/69

In: 0.004+/-0.000 χ^2/NDF:7803705.6/55

Out: 0.004+/-0.000 χ^2/NDF:7088987.3/61

All: 0.004+/-0.000 χ^2/NDF: 14906405.3/117

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.414+/-0.000 χ^2/NDF: 605259580802.5/32

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.508+/-0.000 χ^2/NDF: 665363346548.6/36

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

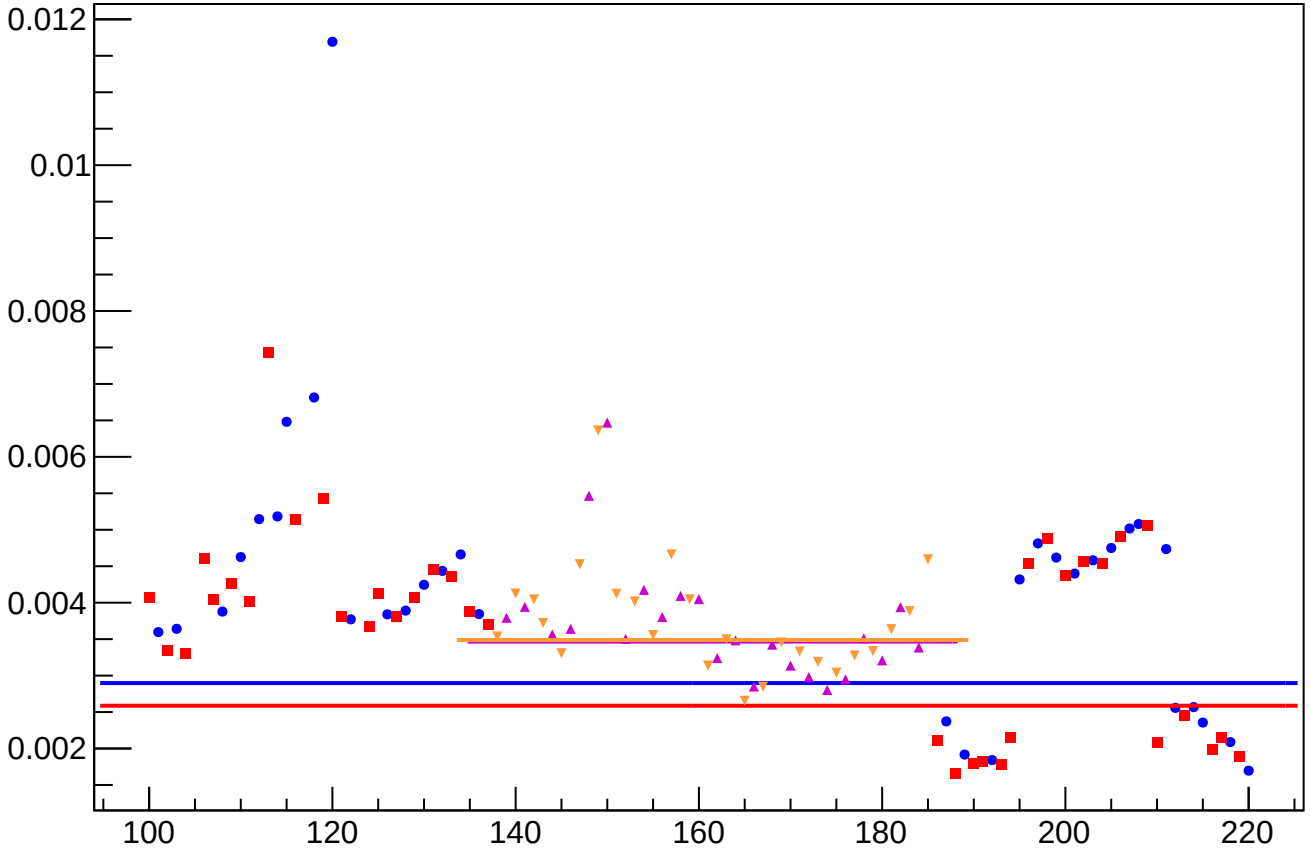
Right: -0.467+/-0.000 χ^2/NDF: 1280383970998.1/6

In: -0.008+/-0.000 χ^2/NDF:1477715904696.3/55

Out: -0.122+/-0.000 χ^2/NDF:1795330621802.4/61

All: -0.070+/-0.000 χ^2/NDF: 3295898841350

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5807547.4/32

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5961545.7/36

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

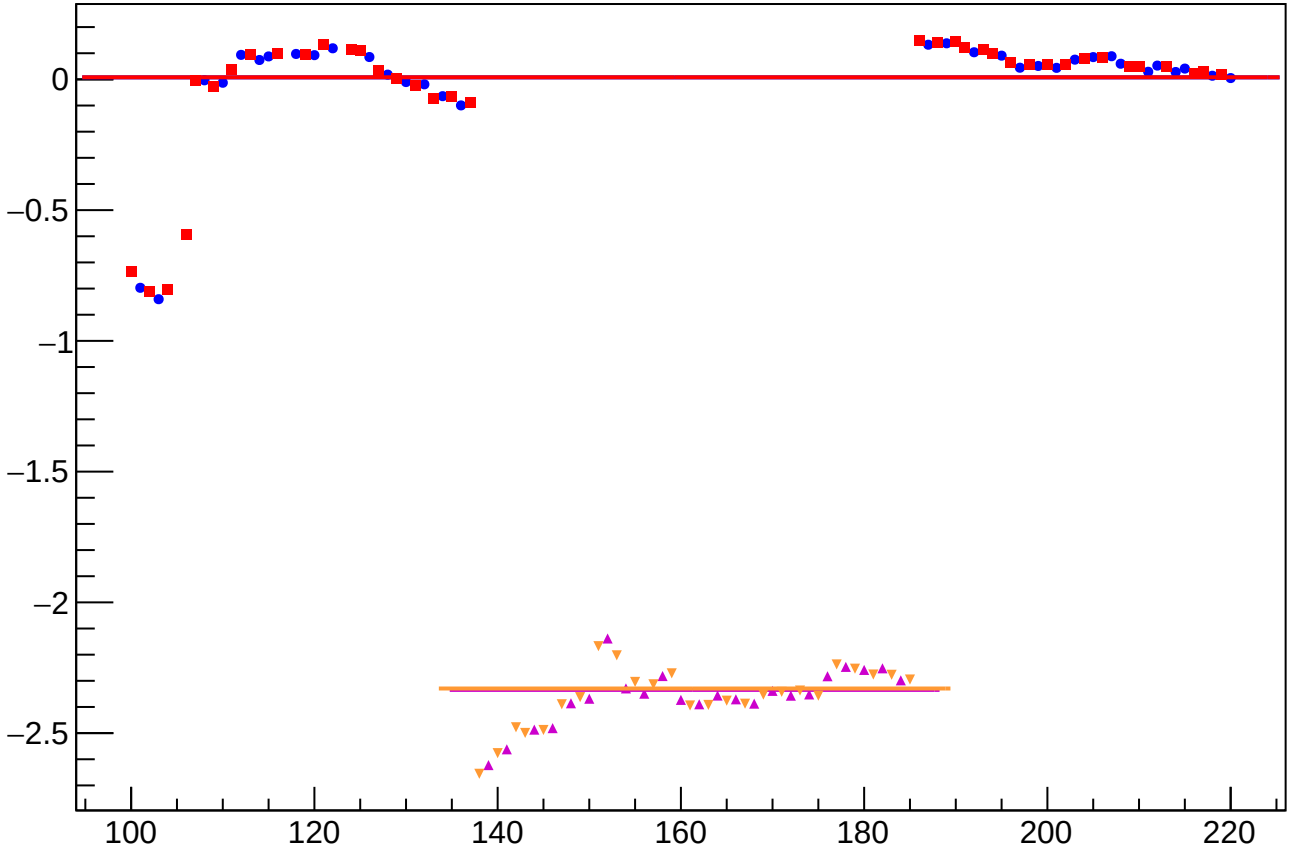
Right: 0.003+/-0.000 χ^2/NDF: 11982825.8/69

In: 0.003+/-0.000 χ^2/NDF:7201196.8/55

Out: 0.003+/-0.000 χ^2/NDF:8216566.8/61

All: 0.003+/-0.000 χ^2/NDF: 15592188.1/117

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 6576811818.1/32

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7841646323.4/36

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

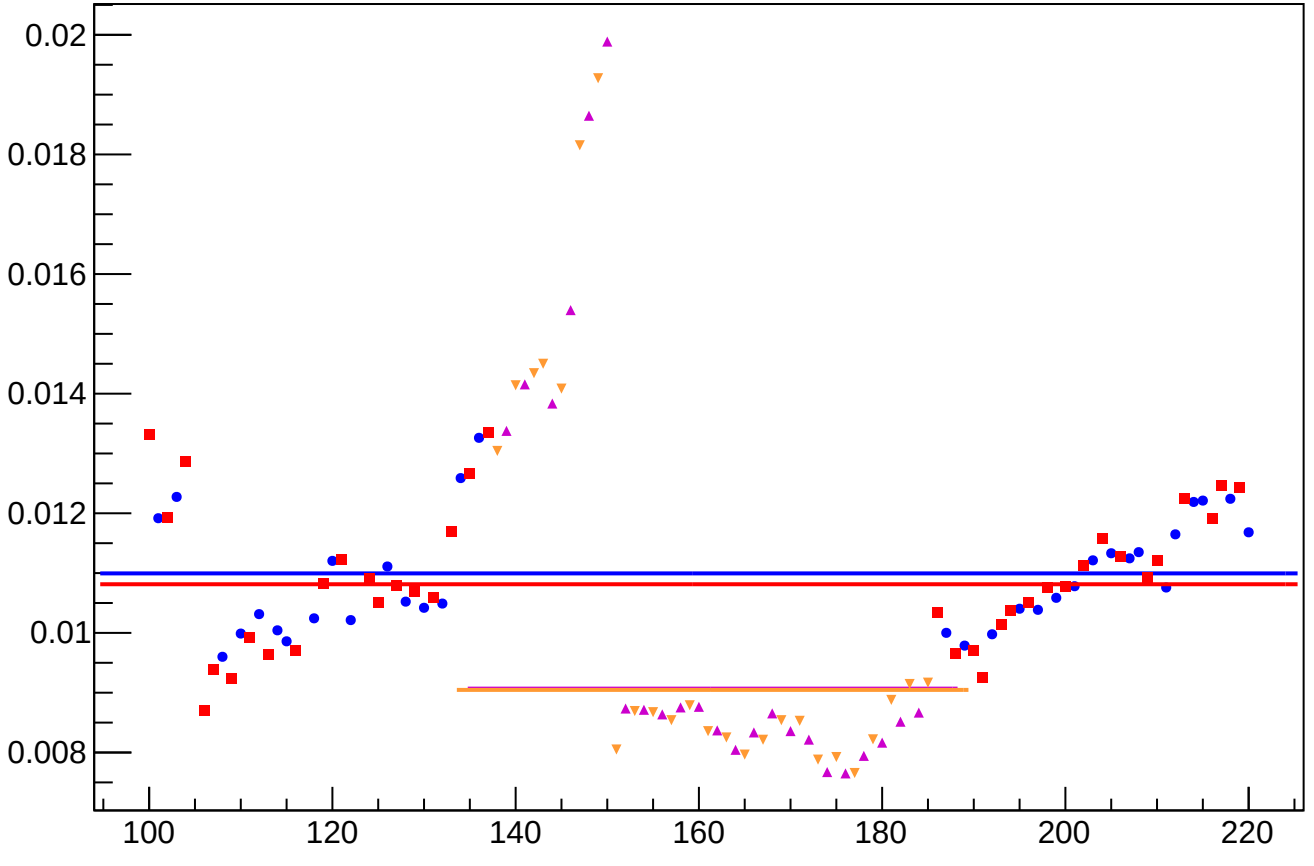
Right: 0.008+/-0.000 χ^2/NDF: 14418470941.2/69

In: -1.277+/-0.000 χ^2/NDF:525102494668.6/55

Out: -1.280+/-0.000 χ^2/NDF:554907628747.7/61

All: -1.279+/-0.000 χ^2/NDF: 1080011515255

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 262226.7/32

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 370148.3/36

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

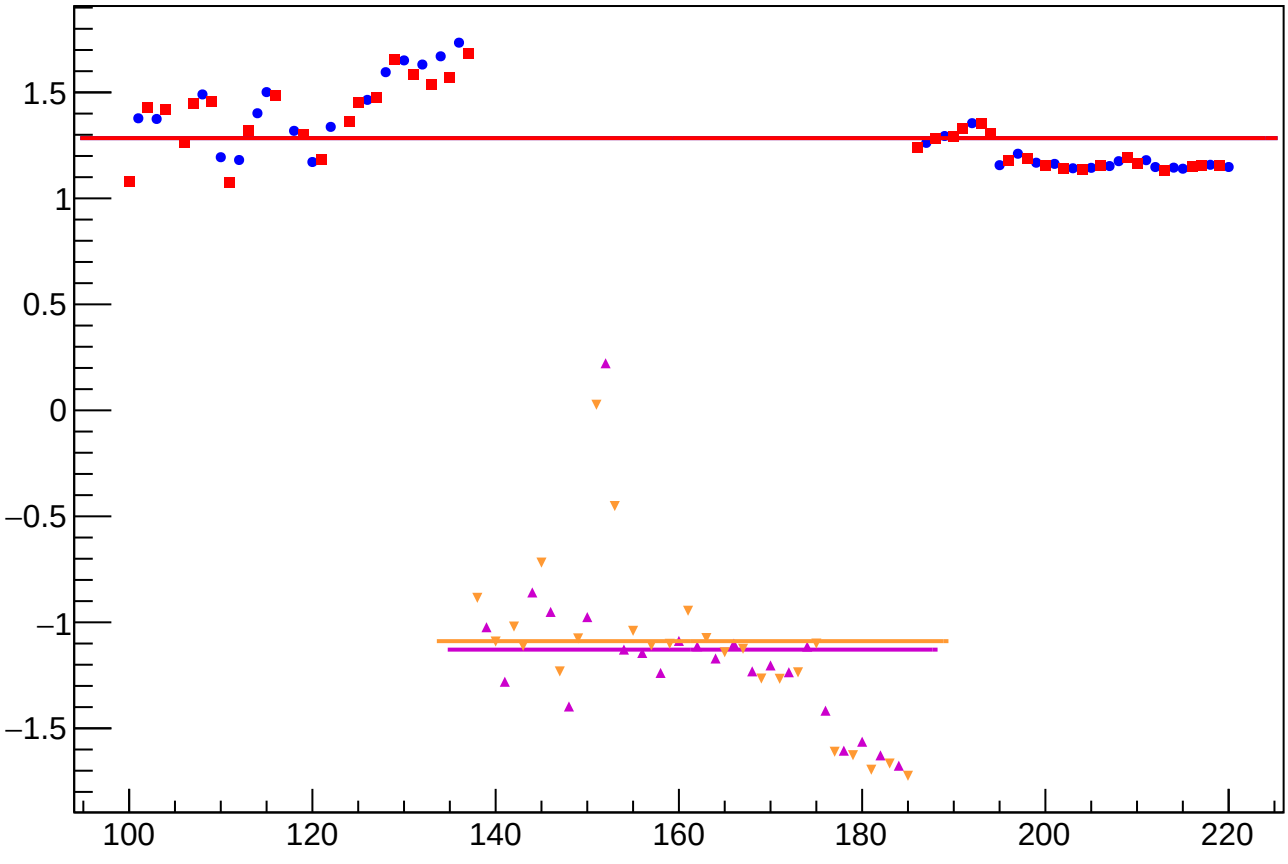
Right: 0.011+/-0.000 χ^2/NDF: 638179.4/69

In: 0.010+/-0.000 χ^2/NDF:3095959.5/55

Out: 0.010+/-0.000 χ^2/NDF:3041568.3/61

All: 0.010+/-0.000 χ^2/NDF: 6141276.6/117

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.284+/-0.000 χ^2/NDF: 9910709345.8/32

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.284+/-0.000 χ^2/NDF: 7729288621.8/36

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

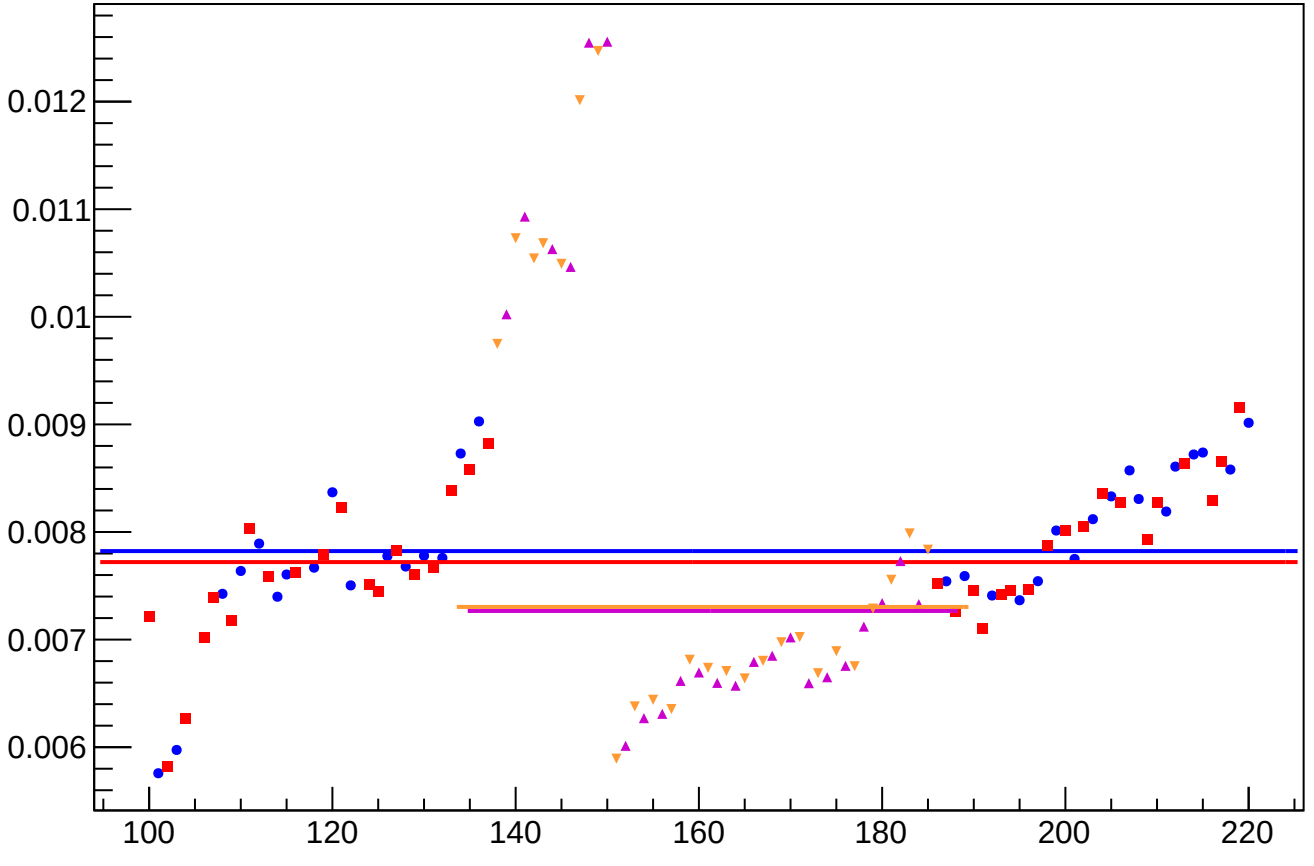
Right: 1.284+/-0.000 χ^2/NDF: 17639998143.9/69

In: 0.091+/-0.000 χ^2/NDF:1042351140069.9/55

Out: 0.115+/-0.000 χ^2/NDF:1058077212471.1/61

All: 0.103+/-0.000 χ^2/NDF: 2100623750511.

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 475343.8/32

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 379096.9/36

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

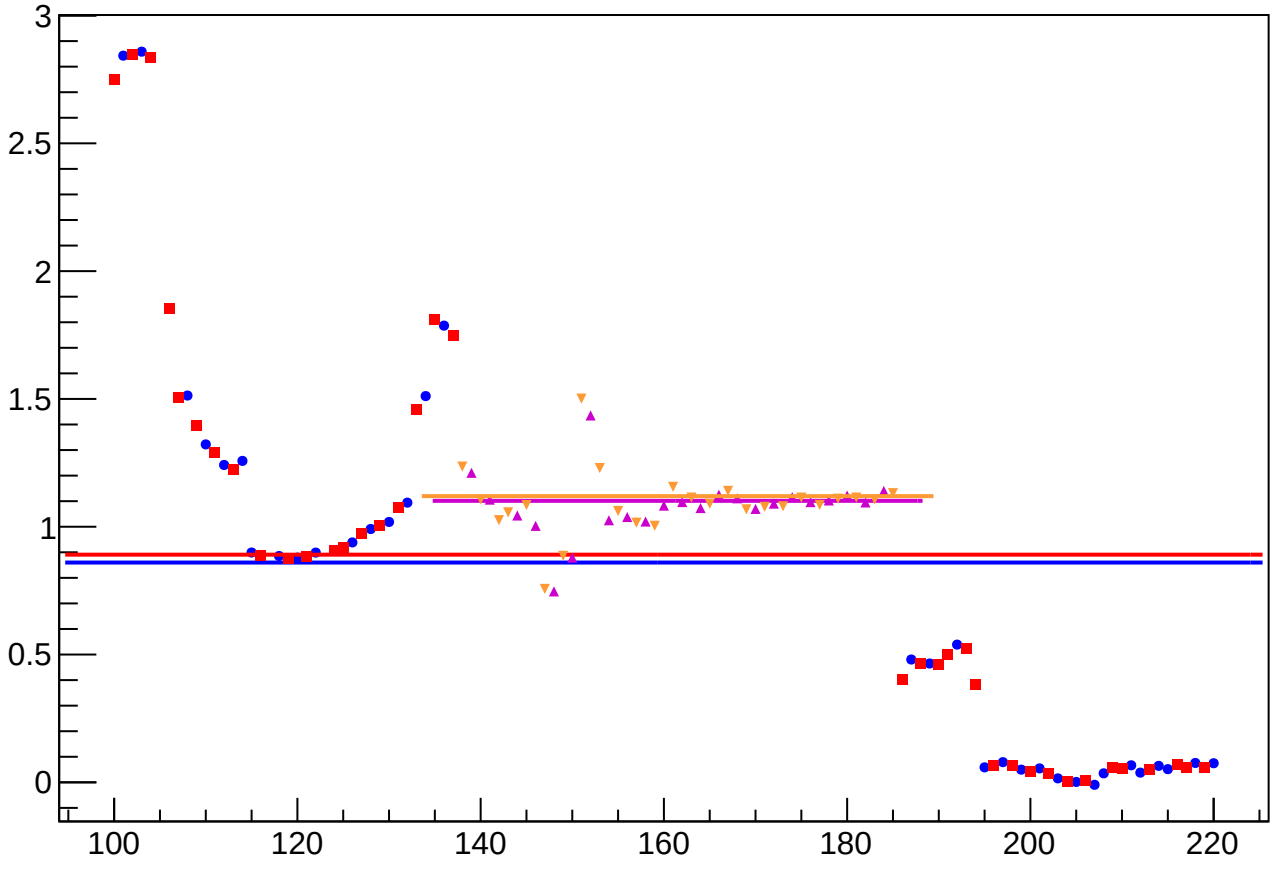
Right: 0.008+/-0.000 χ^2/NDF: 858065.4/69

In: 0.008+/-0.000 χ^2/NDF:2138930.9/55

Out: 0.008+/-0.000 χ^2/NDF:1944238.1/61

All: 0.008+/-0.000 χ^2/NDF: 4083893.1/117

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 0.860+/-0.000 χ^2/NDF: 164845284309.8/32

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.891+/-0.000 χ^2/NDF: 158683317902.1/36

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

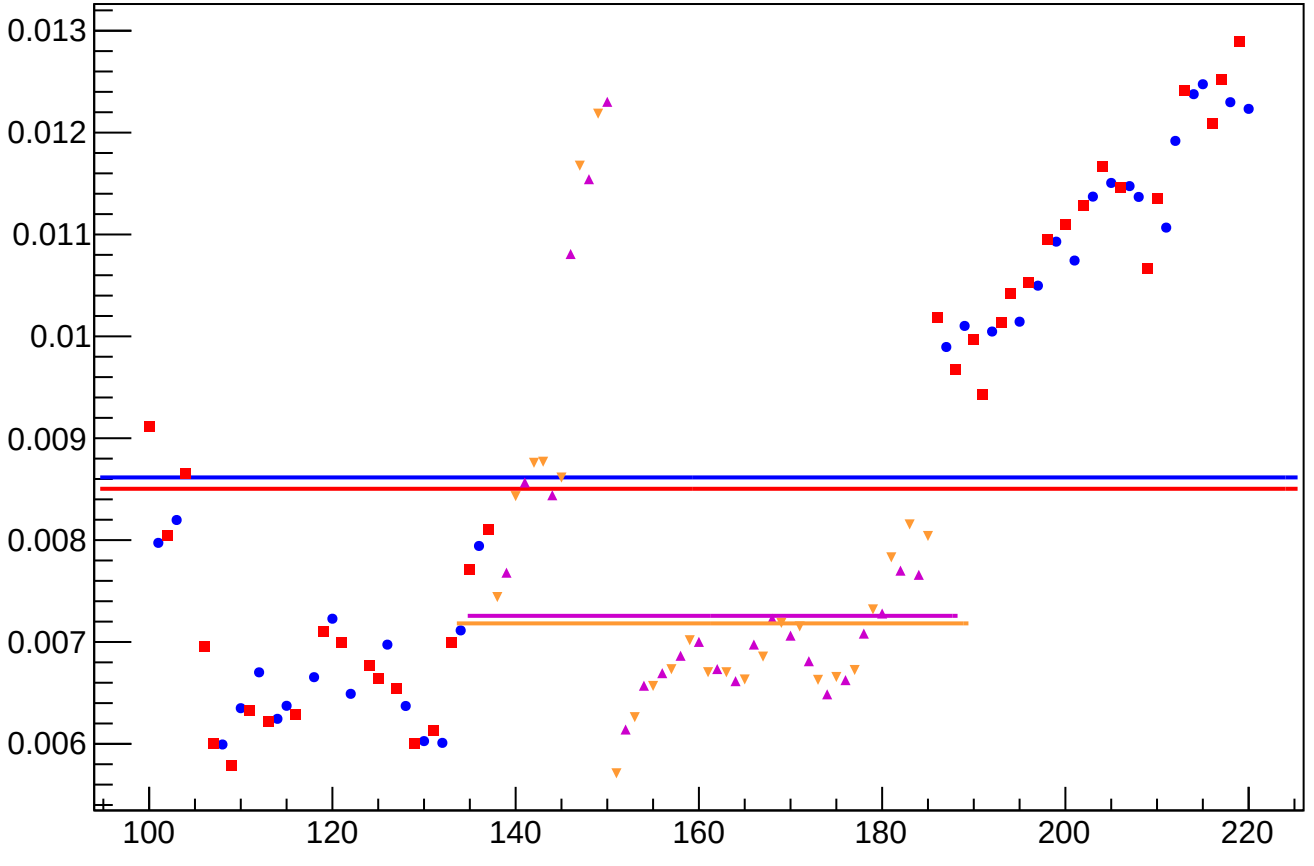
Right: 0.876+/-0.000 χ^2/NDF: 323656634397.4/69

In: 0.995+/-0.000 χ^2/NDF:177610419047.6/55

Out: 1.020+/-0.000 χ^2/NDF:172364858637.3/61

All: 1.008+/-0.000 χ^2/NDF: 350170933231.2

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2766698.2/32

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2847572.2/36

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

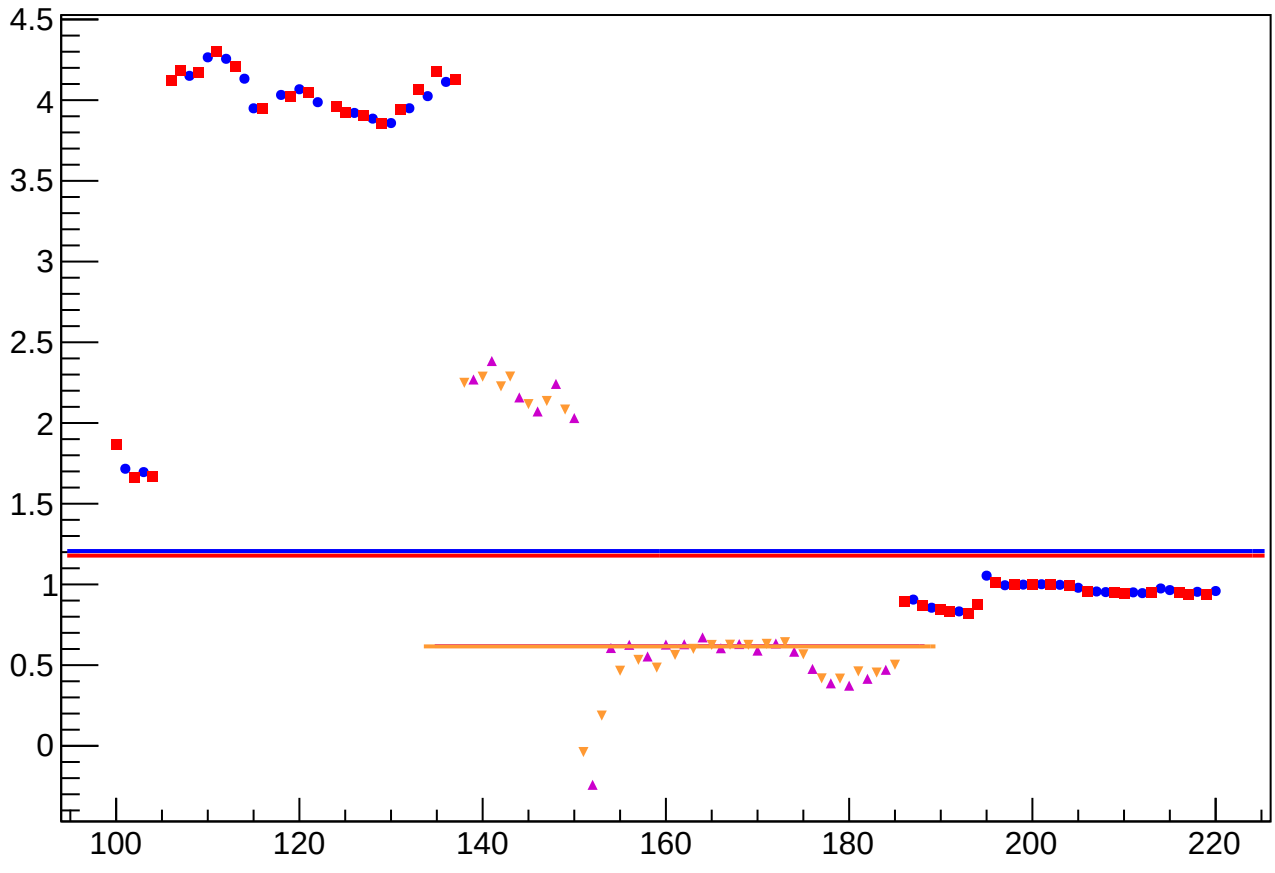
Right: 0.009+/-0.000 χ^2/NDF: 5617627.2/69

In: 0.008+/-0.000 χ^2/NDF:4225747.2/55

Out: 0.008+/-0.000 χ^2/NDF:4285435.9/61

All: 0.008+/-0.000 χ^2/NDF: 8517179.3/117

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.207+/-0.000 χ^2/NDF: 1656036421008.1/32

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.179+/-0.000 χ^2/NDF: 1813031691916.1/36

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

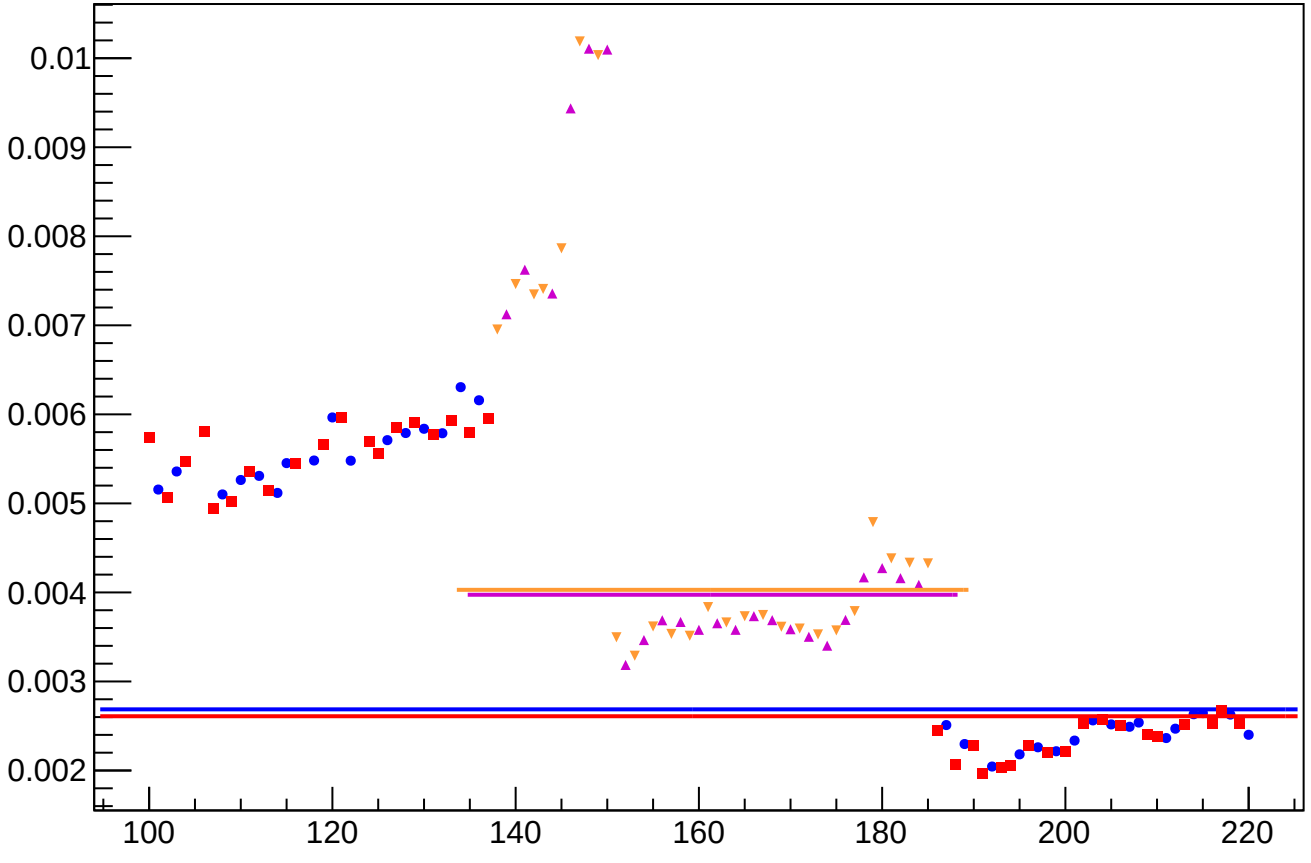
Right: 1.192+/-0.000 χ^2/NDF: 3470088713679.4/69

In: 1.033+/-0.000 χ^2/NDF:2161265002090.8/55

Out: 1.018+/-0.000 χ^2/NDF:2304074339273.0/61

All: 1.026+/-0.000 χ^2/NDF: 4465744681029.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4451930.3/32

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4716923.2/36

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

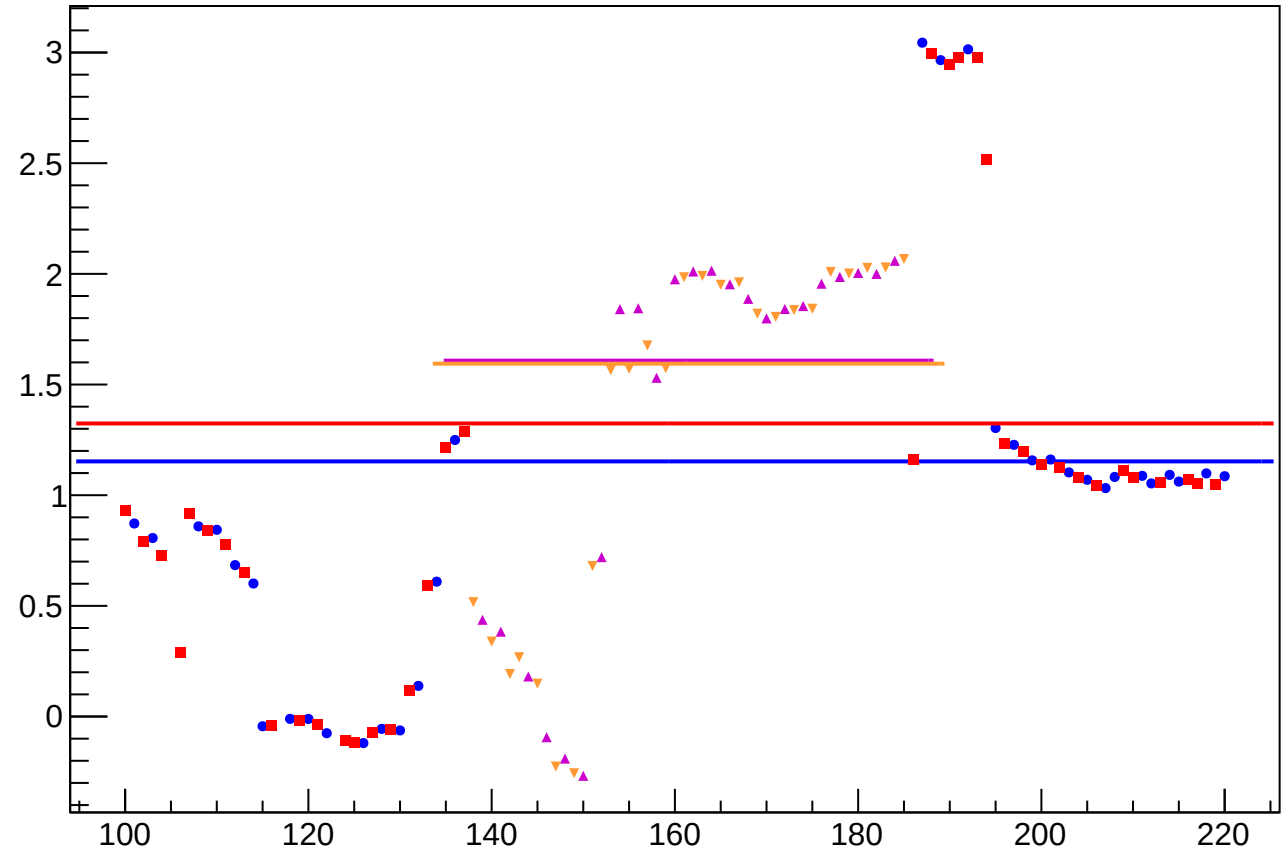
Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

Right: 0.003+/-0.000 χ^2/NDF: 9184148.8/69

In: 0.003+/-0.000 χ^2/NDF:9974015.6/55

Out: 0.003+/-0.000 χ^2/NDF:10728433.3/61

All: 0.003+/-0.000 χ^2/NDF: 20712309.6/117



Right In: 1.153+/-0.000 χ^2/NDF: 77947495613.6/32

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.324+/-0.000 χ^2/NDF: 107823288008.4/36

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

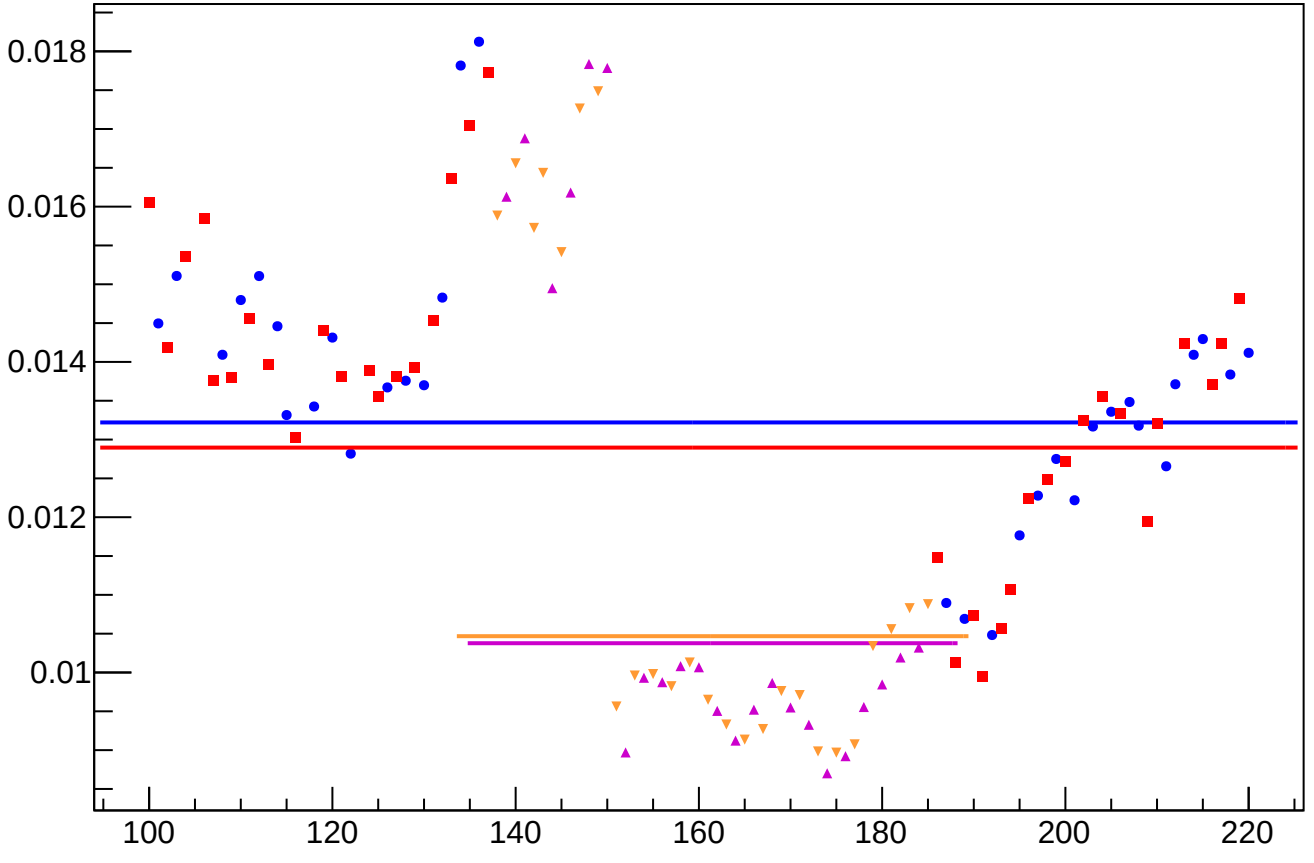
Right: 1.241+/-0.000 χ^2/NDF: 187551566276.9/69

In: 1.416+/-0.000 χ^2/NDF:158415193161.1/55

Out: 1.478+/-0.000 χ^2/NDF:175671198126.2/61

All: 1.448+/-0.000 χ^2/NDF: 334646636828.8

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 542959.9/32

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 688750.6/36

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

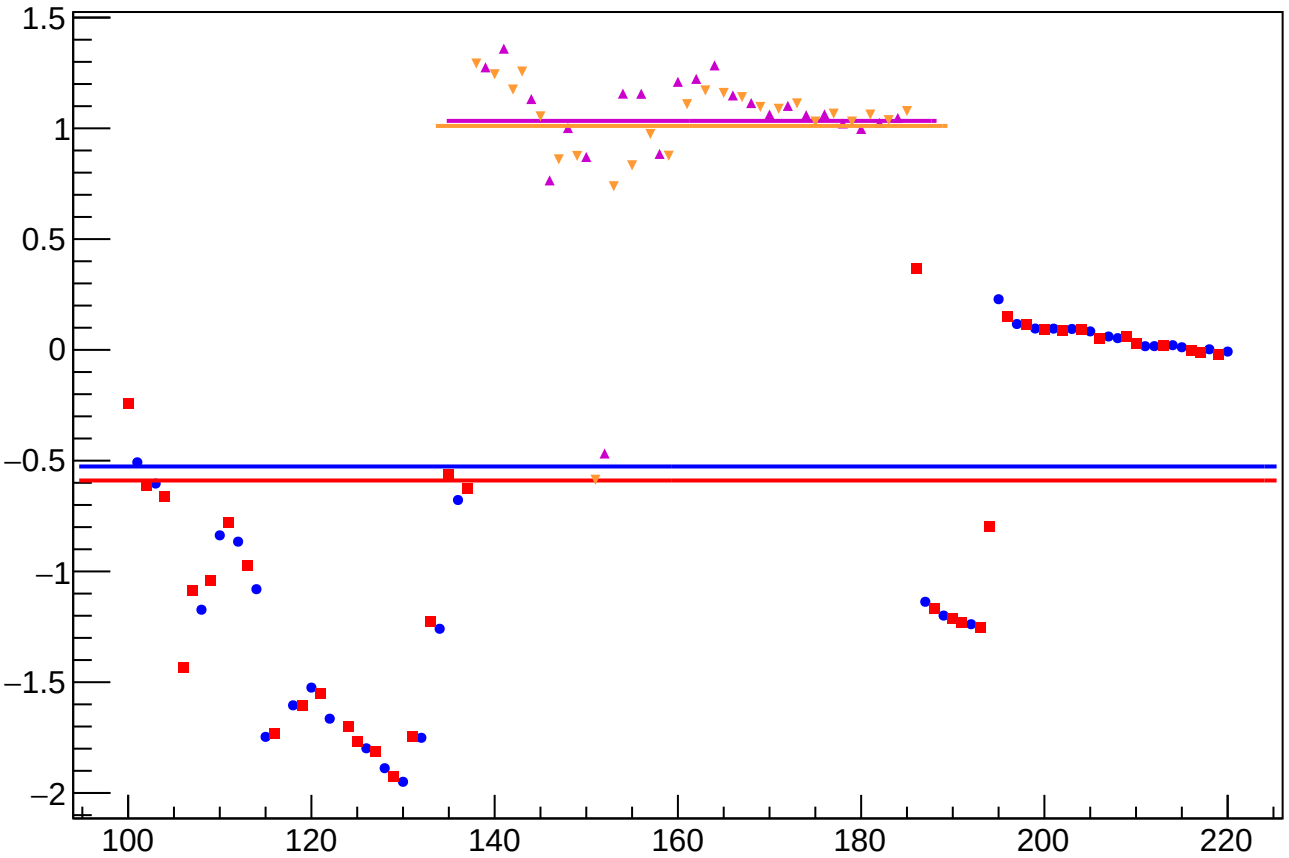
Right: 0.013+/-0.000 χ^2/NDF: 1244431.9/69

In: 0.012+/-0.000 χ^2/NDF:3350357.1/55

Out: 0.012+/-0.000 χ^2/NDF:3193682.8/61

All: 0.012+/-0.000 χ^2/NDF: 6545404.5/117

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.526+/-0.000 χ^2/NDF: 222491638417.1/32

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.590+/-0.000 χ^2/NDF: 210204752852.4/36

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

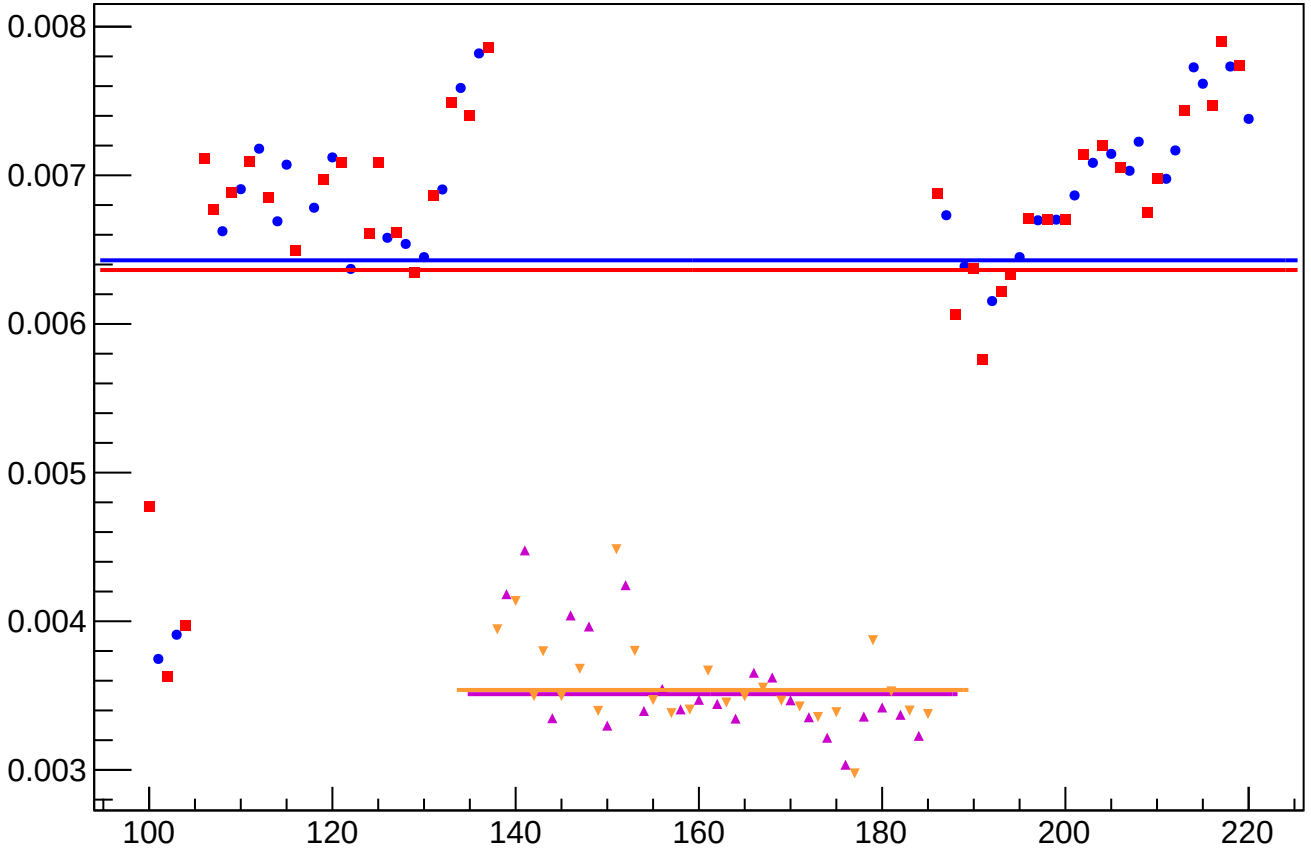
Right: -0.559+/-0.000 χ^2/NDF: 433654545389.8/69

In: 0.630+/-0.000 χ^2/NDF:1195120686169.2/55

Out: 0.598+/-0.000 χ^2/NDF:1250015439445.1/61

All: 0.614+/-0.000 χ^2/NDF: 2446085778353.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1445578.9/32

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1460810.8/36

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

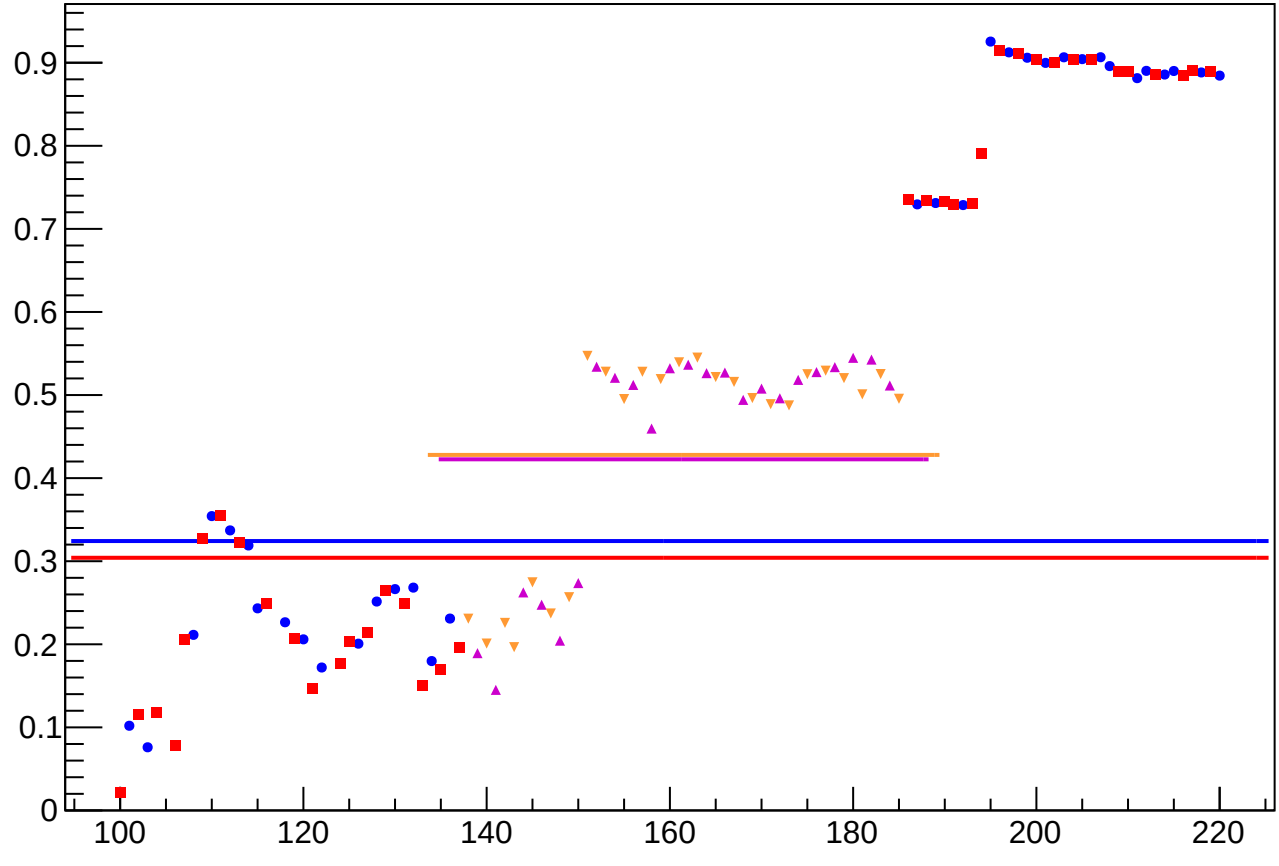
Right: 0.006+/-0.000 χ^2/NDF: 2908432.5/69

In: 0.004+/-0.000 χ^2/NDF:7662617.5/55

Out: 0.004+/-0.000 χ^2/NDF:7463615.0/61

All: 0.004+/-0.000 χ^2/NDF: 15126239.4/117

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 259745220366.8/32

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.304+/-0.000 χ^2/NDF: 269881323533.4/36

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

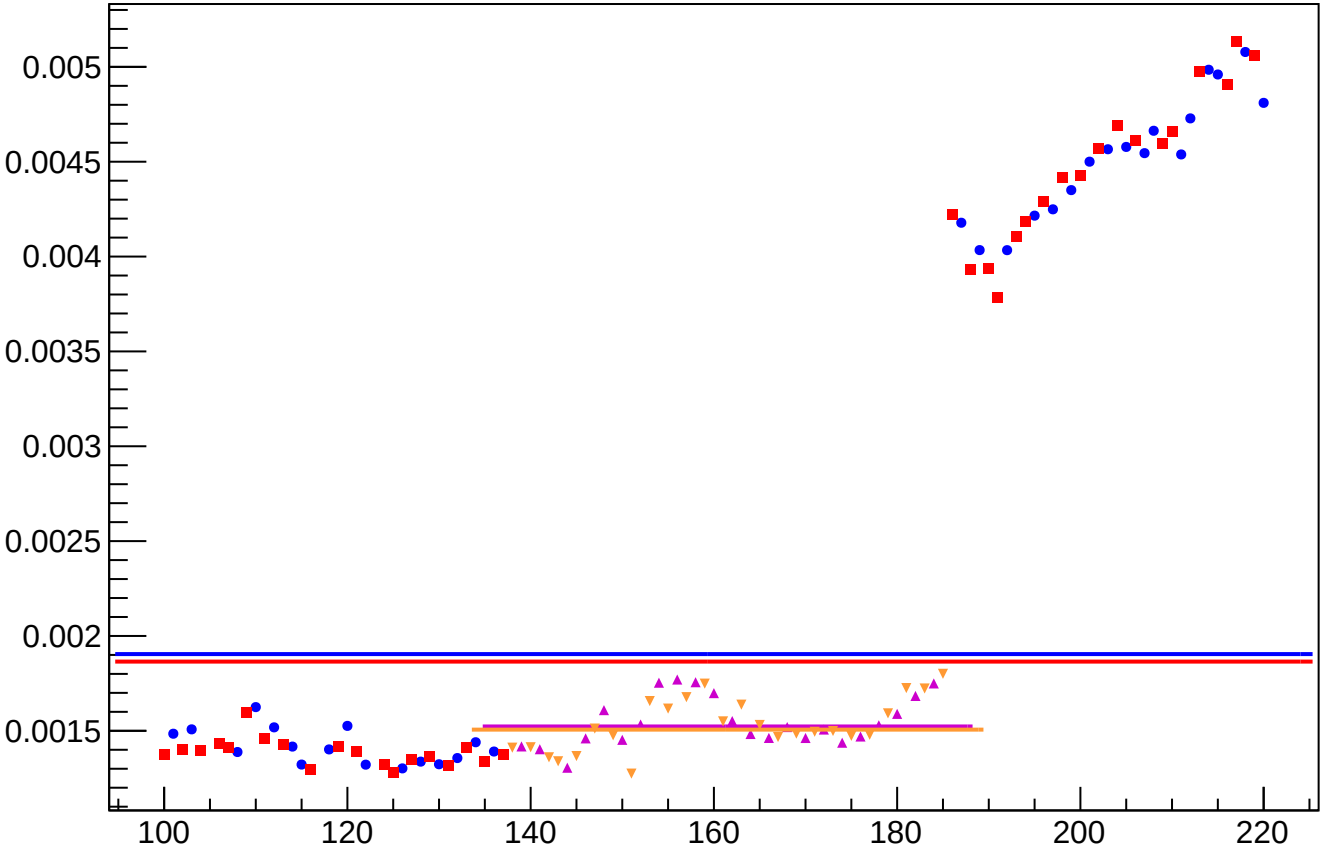
Right: 0.314+/-0.000 χ^2/NDF: 530503977249.3/69

In: 0.388+/-0.000 χ^2/NDF:444130911155.7/55

Out: 0.385+/-0.000 χ^2/NDF:468519946992.9/61

All: 0.386+/-0.000 χ^2/NDF: 912720863454.3

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11054568.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11307360.4/36

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

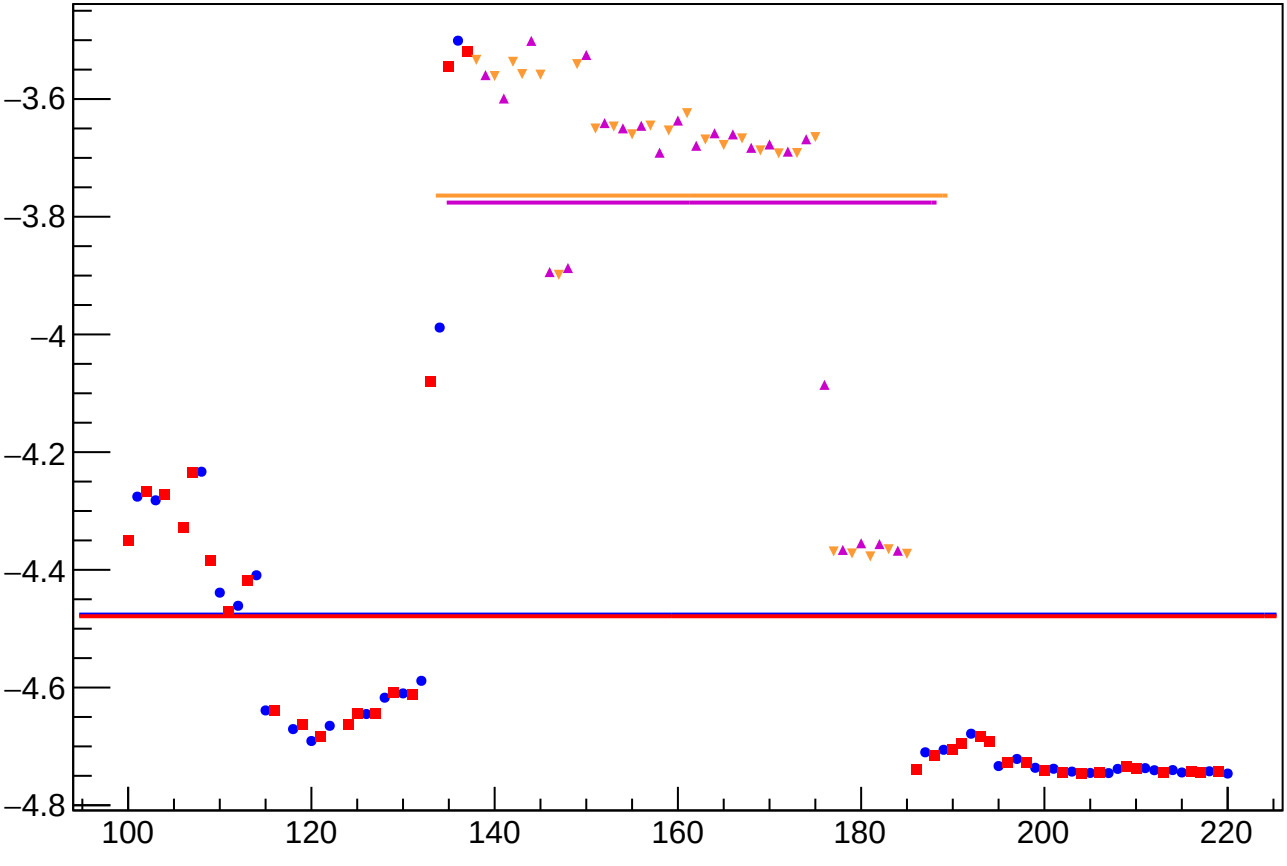
Right: 0.002+/-0.000 χ^2/NDF: 22368707.0/69

In: 0.002+/-0.000 χ^2/NDF:12079587.9/55

Out: 0.002+/-0.000 χ^2/NDF:12338463.0/61

All: 0.002+/-0.000 χ^2/NDF: 24426053.4/117

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.476+/-0.000 χ^2/NDF: 458372431578.2/32

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.479+/-0.000 χ^2/NDF: 403930252342.3/36

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

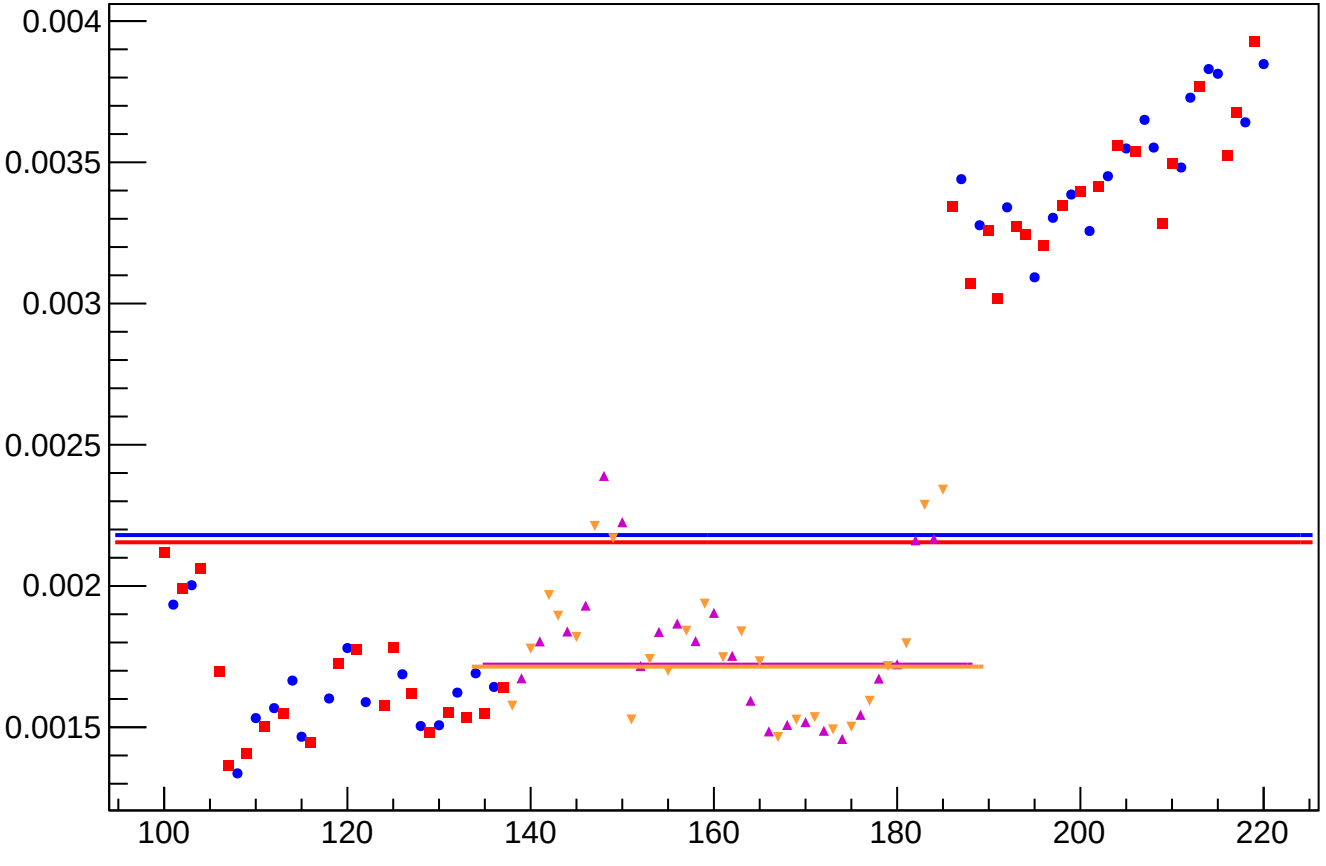
Right: -4.477+/-0.000 χ^2/NDF: 862317735601.2/69

In: -4.047+/-0.000 χ^2/NDF:1984342504966.4/55

Out: -4.039+/-0.000 χ^2/NDF:2127670368646.4/61

All: -4.043+/-0.000 χ^2/NDF: 4112296540818

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5738902.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5677881.4/36

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

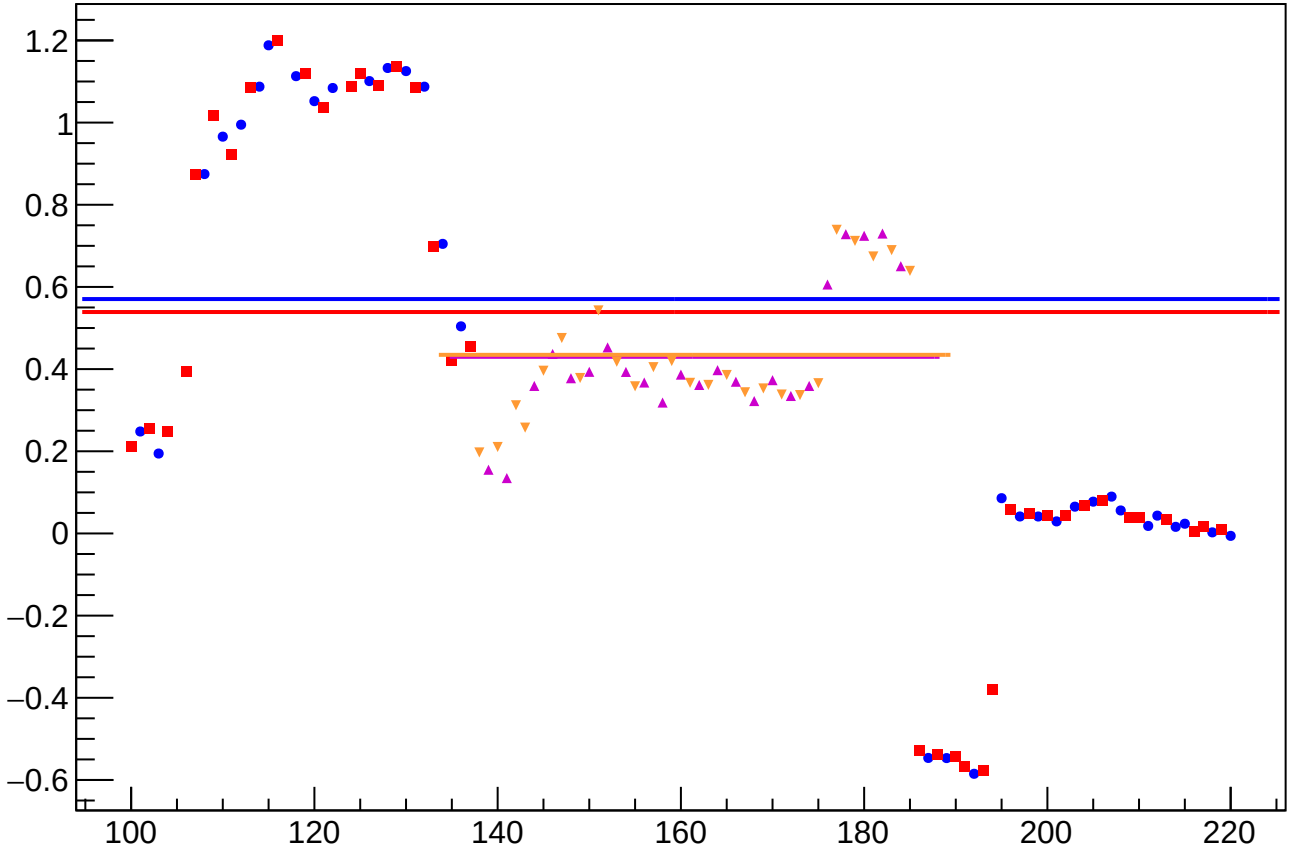
Right: 0.002+/-0.000 χ^2/NDF: 11419296.2/69

In: 0.002+/-0.000 χ^2/NDF:7285219.2/55

Out: 0.002+/-0.000 χ^2/NDF:7180736.1/61

All: 0.002+/-0.000 χ^2/NDF: 14468201.1/117

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.570+/-0.000 χ^2/NDF: 79349703941.7/32

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.539+/-0.000 χ^2/NDF: 96034049389.7/36

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

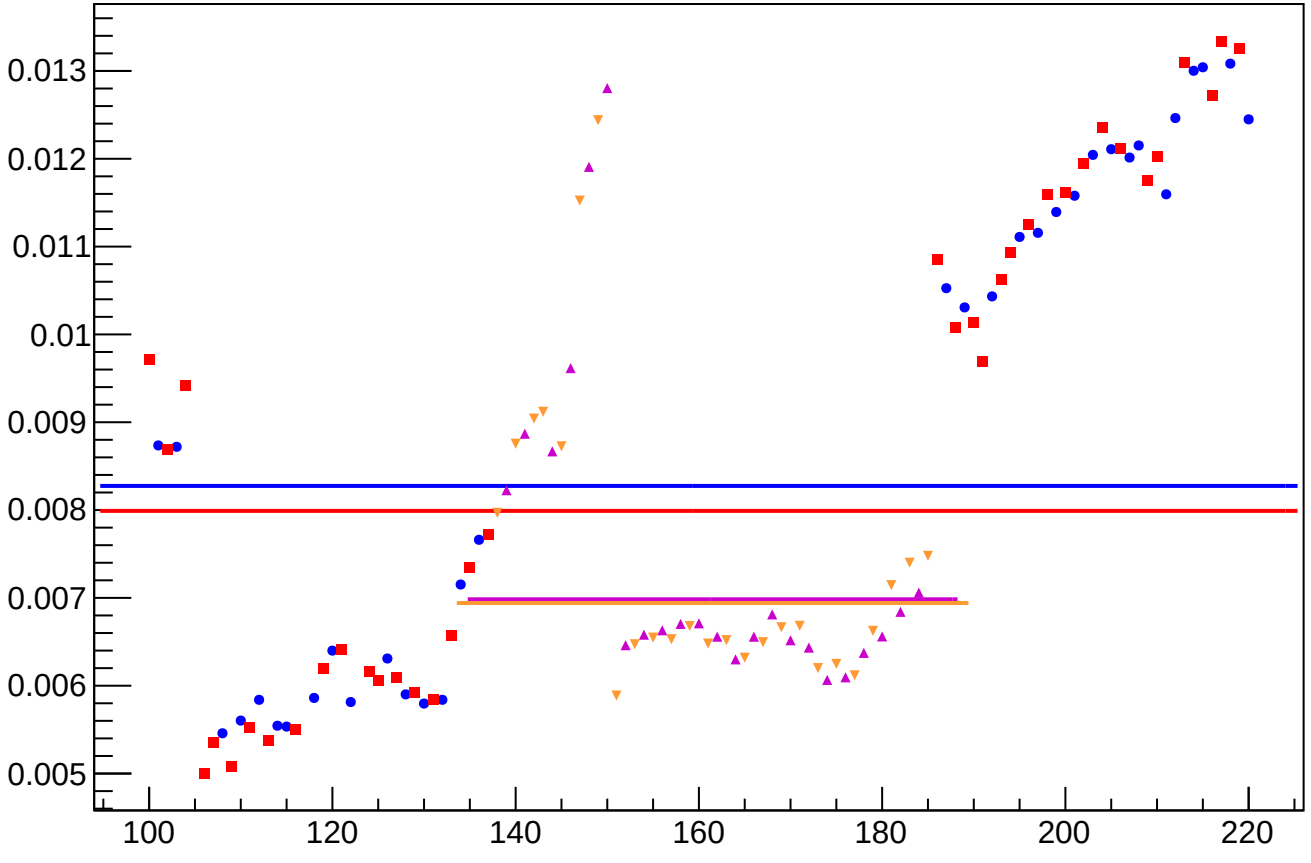
Right: 0.554+/-0.000 χ^2/NDF: 175525800676.0/69

In: 0.490+/-0.000 χ^2/NDF:91475740887.8/55

Out: 0.480+/-0.000 χ^2/NDF:106378079803.8/61

All: 0.485+/-0.000 χ^2/NDF: 197890173388.1

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 4231006.3/32

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4739159.4/36

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

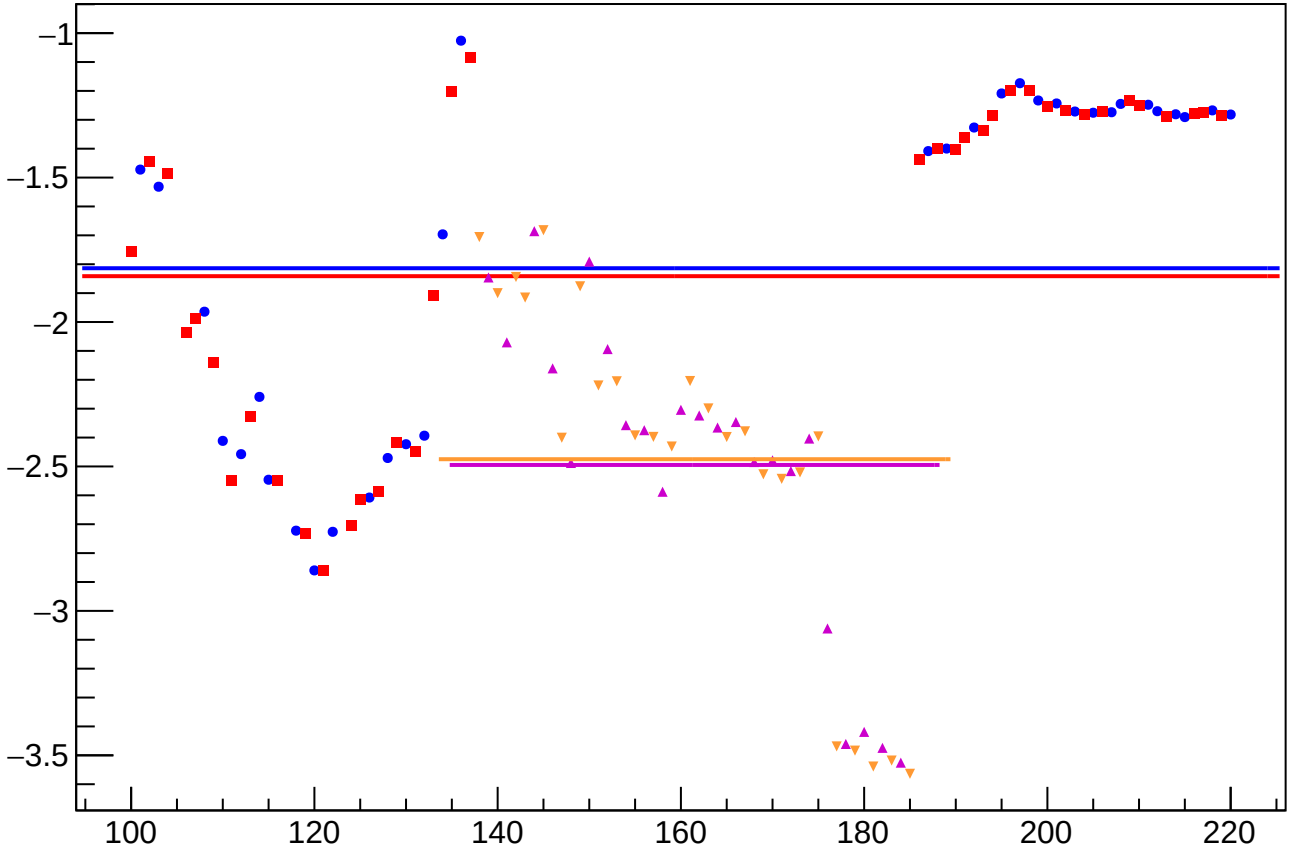
Right: 0.008+/-0.000 χ^2/NDF: 8993216.2/69

In: 0.008+/-0.000 χ^2/NDF:5887853.1/55

Out: 0.007+/-0.000 χ^2/NDF:6200673.4/61

All: 0.007+/-0.000 χ^2/NDF: 12102002.3/117

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.814+/-0.000 χ^2/NDF: 125130621571.9/32

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.841+/-0.000 χ^2/NDF: 122134299420.0/36

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

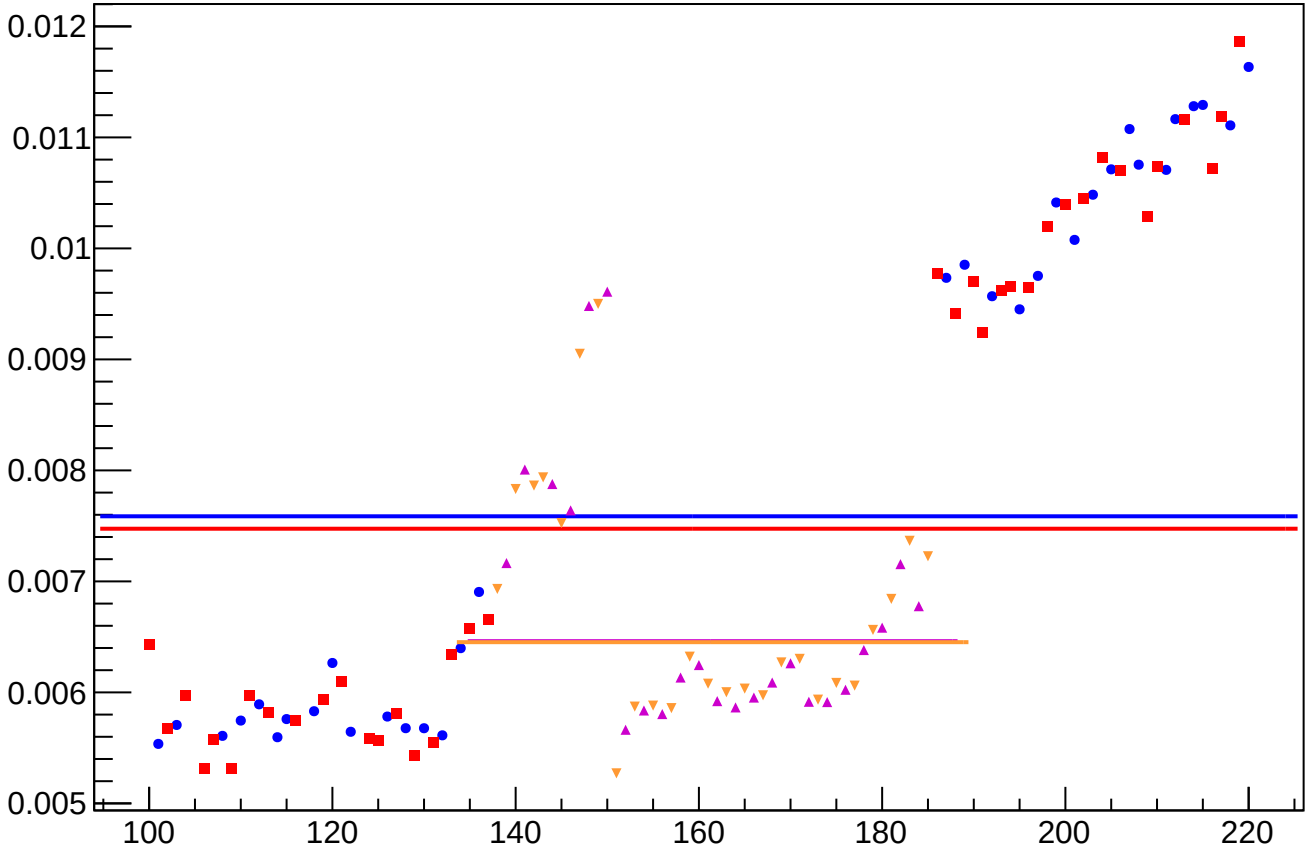
Right: -1.828+/-0.000 χ^2/NDF: 247394668099.0/69

In: -2.197+/-0.000 χ^2/NDF:308987294568.8/55

Out: -2.198+/-0.000 χ^2/NDF:324861635822.9/61

All: -2.197+/-0.000 χ^2/NDF: 633849430706.7

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3542711.3/32

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3531740.4/36

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

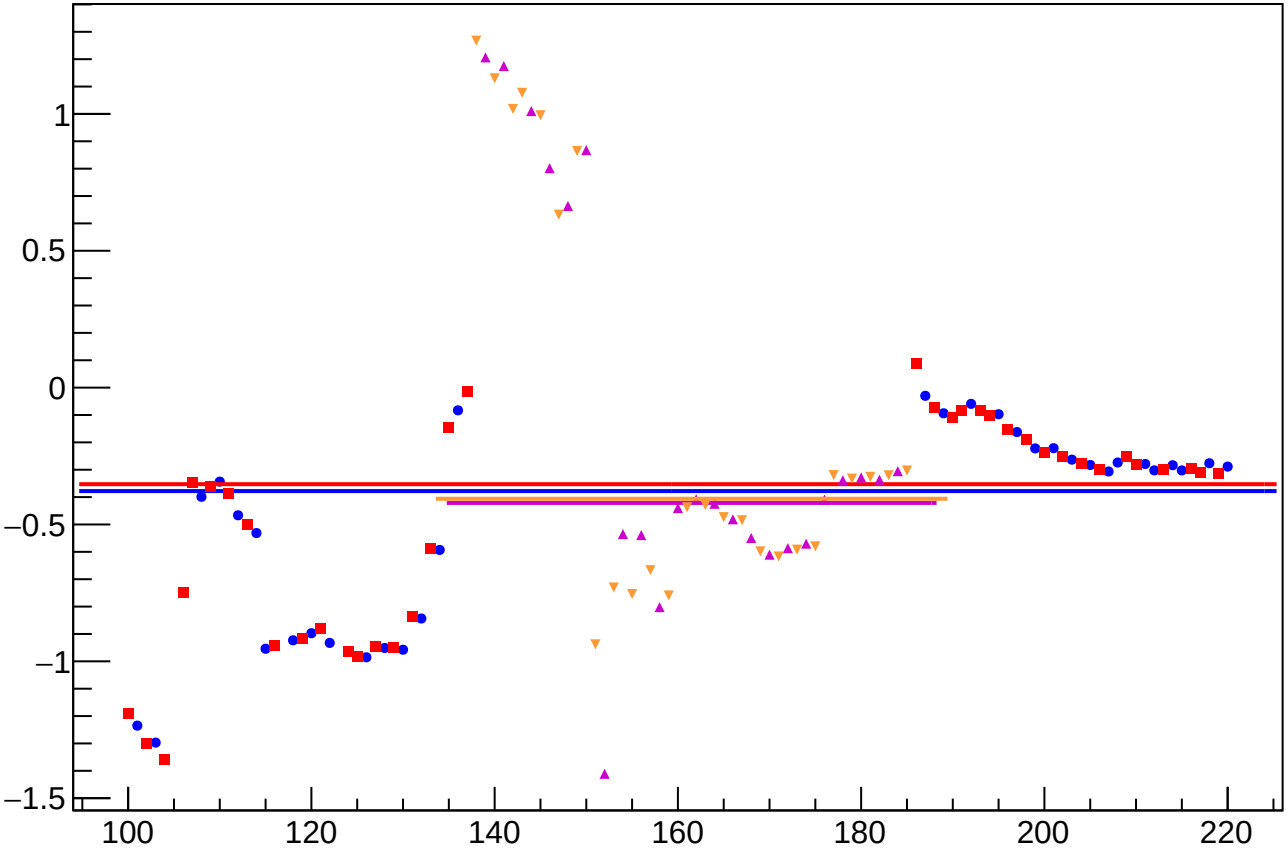
Right: 0.008+/-0.000 χ^2/NDF: 7078756.7/69

In: 0.007+/-0.000 χ^2/NDF:4738726.9/55

Out: 0.007+/-0.000 χ^2/NDF:4660101.5/61

All: 0.007+/-0.000 χ^2/NDF: 9401160.2/117

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.378+/-0.000 χ^2/NDF: 24851726120.2/32

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.353+/-0.000 χ^2/NDF: 27377182395.5/36

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

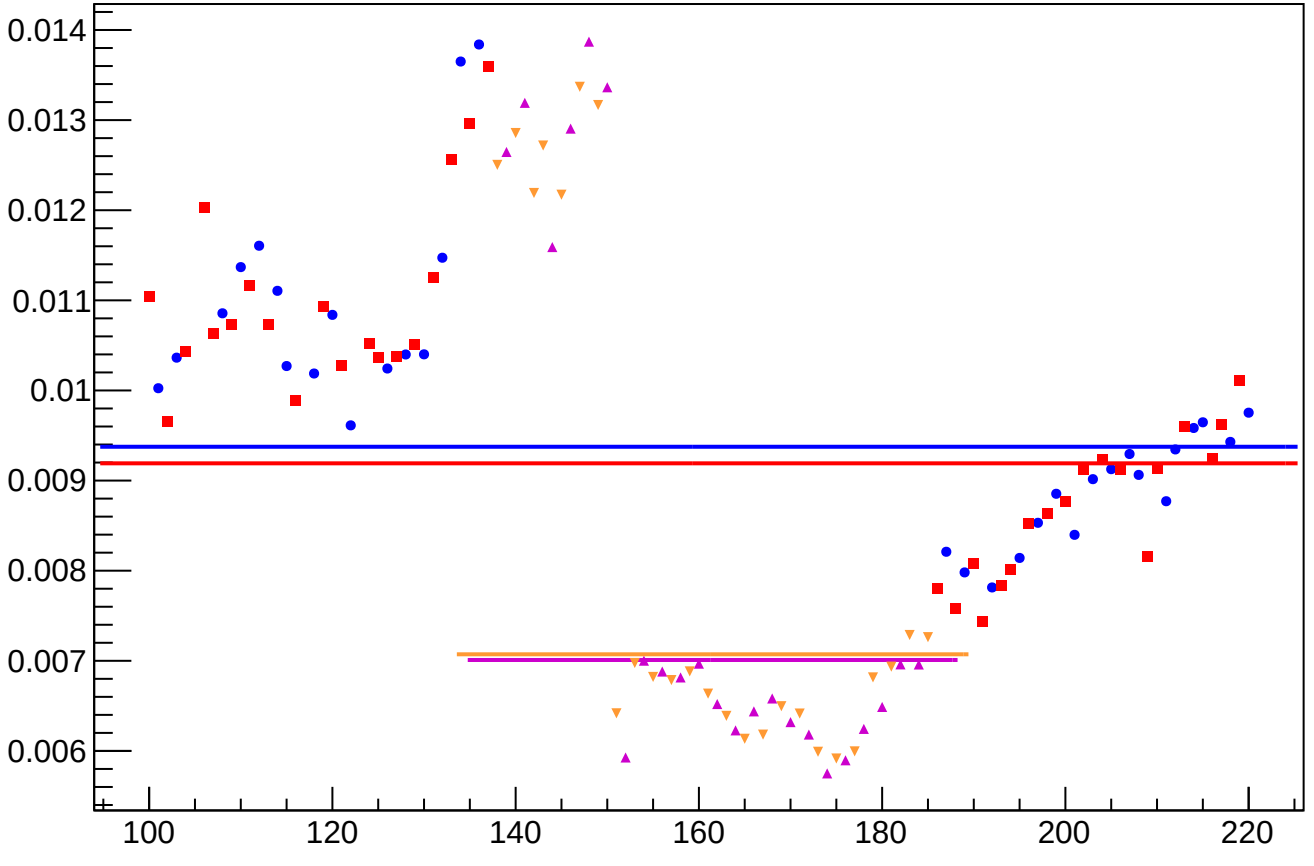
Right: -0.365+/-0.000 χ^2/NDF: 52304916412.5/69

In: -0.404+/-0.000 χ^2/NDF:115350494092.0/55

Out: -0.384+/-0.000 χ^2/NDF:109421677996.1/61

All: -0.394+/-0.000 χ^2/NDF: 224883536237.3

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 641309.6/32

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 722612.9/36

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

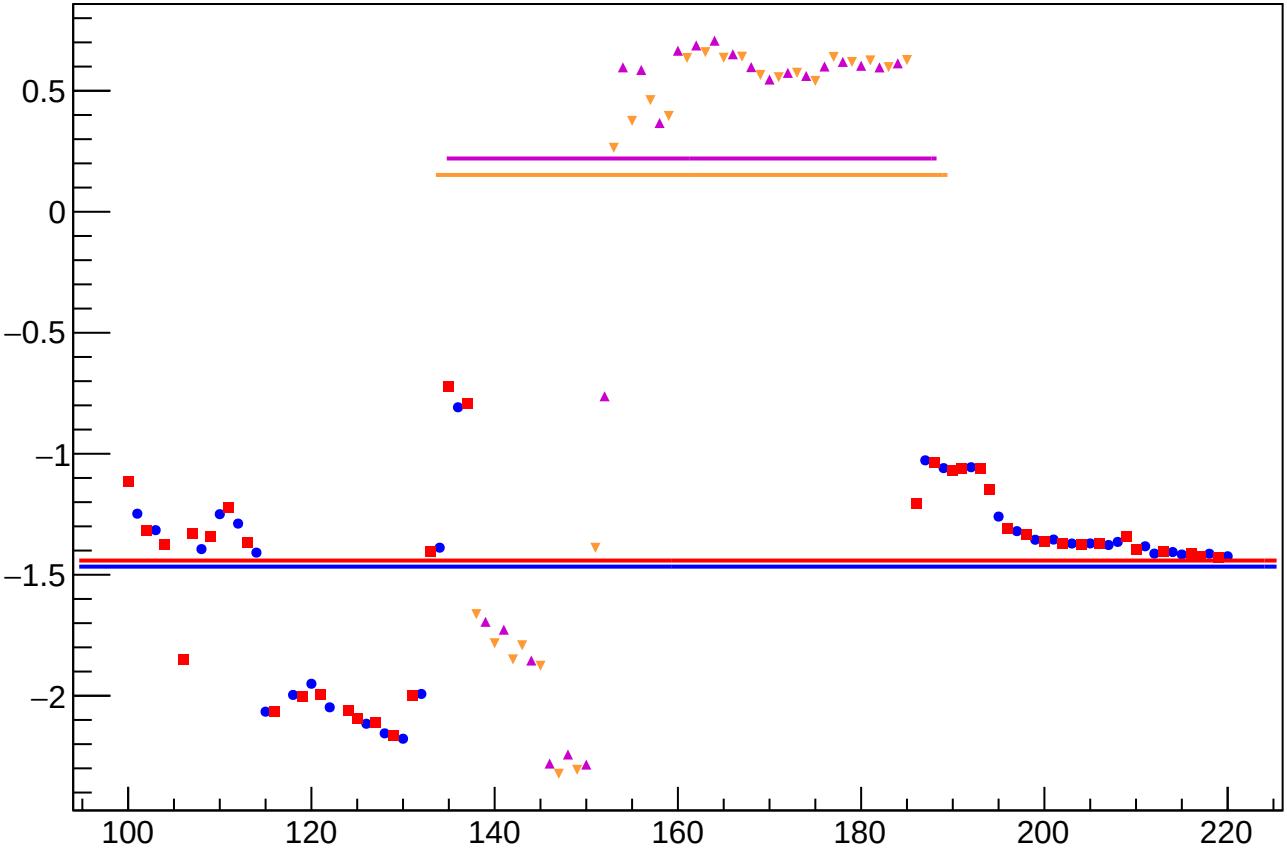
Right: 0.009+/-0.000 χ^2/NDF: 1371980.0/69

In: 0.008+/-0.000 χ^2/NDF:4643209.3/55

Out: 0.008+/-0.000 χ^2/NDF:4410311.5/61

All: 0.008+/-0.000 χ^2/NDF: 9053984.7/117

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.466+/-0.000 χ^2/NDF: 184036256372.4/32

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.441+/-0.000 χ^2/NDF: 172718514427.3/36

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

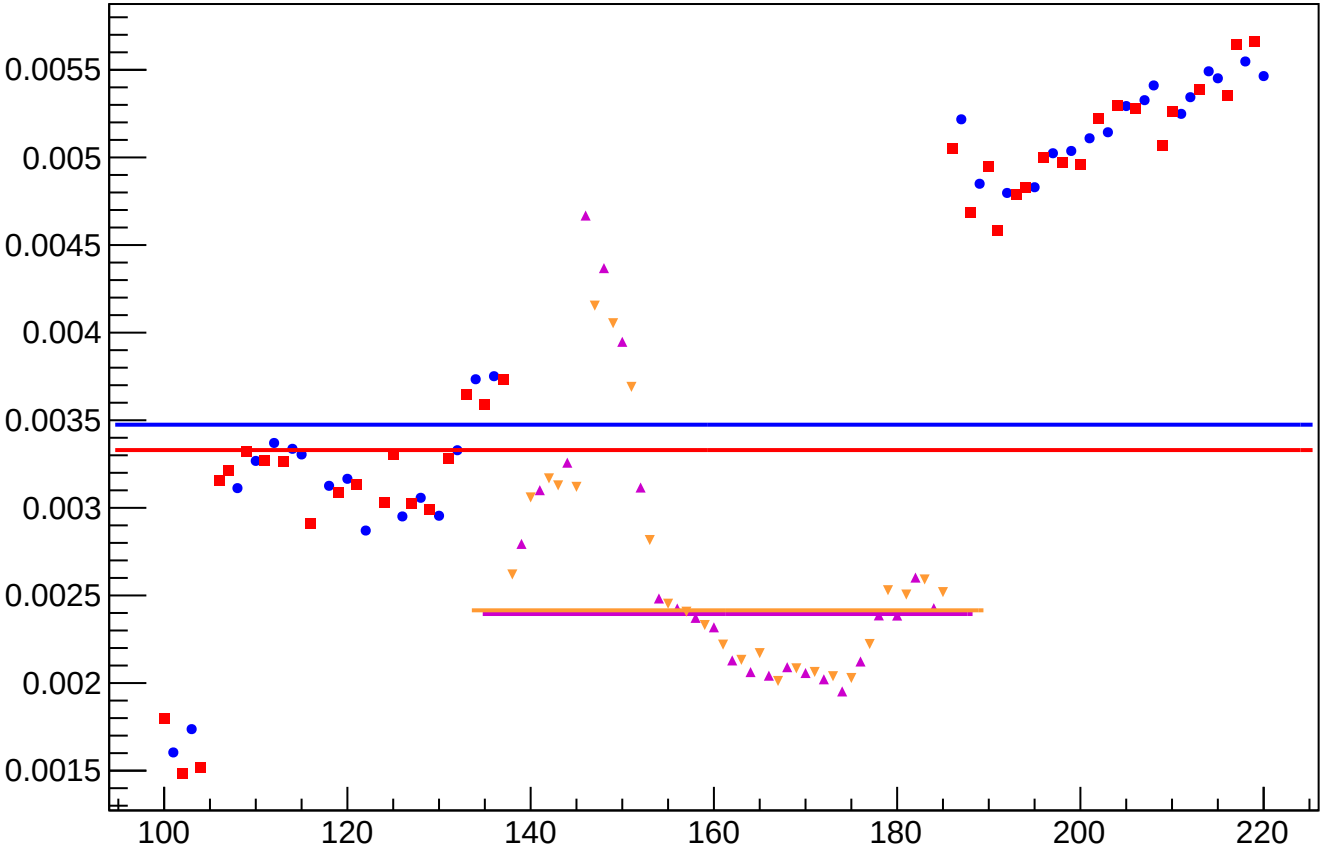
Right: -1.453+/-0.000 χ^2/NDF: 357225050688.8/69

In: -0.350+/-0.000 χ^2/NDF:4988371382617.1/55

Out: -0.397+/-0.000 χ^2/NDF:5134070128108.6/61

All: -0.374+/-0.000 χ^2/NDF: 1012725341405

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5749516.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6657035.9/36

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

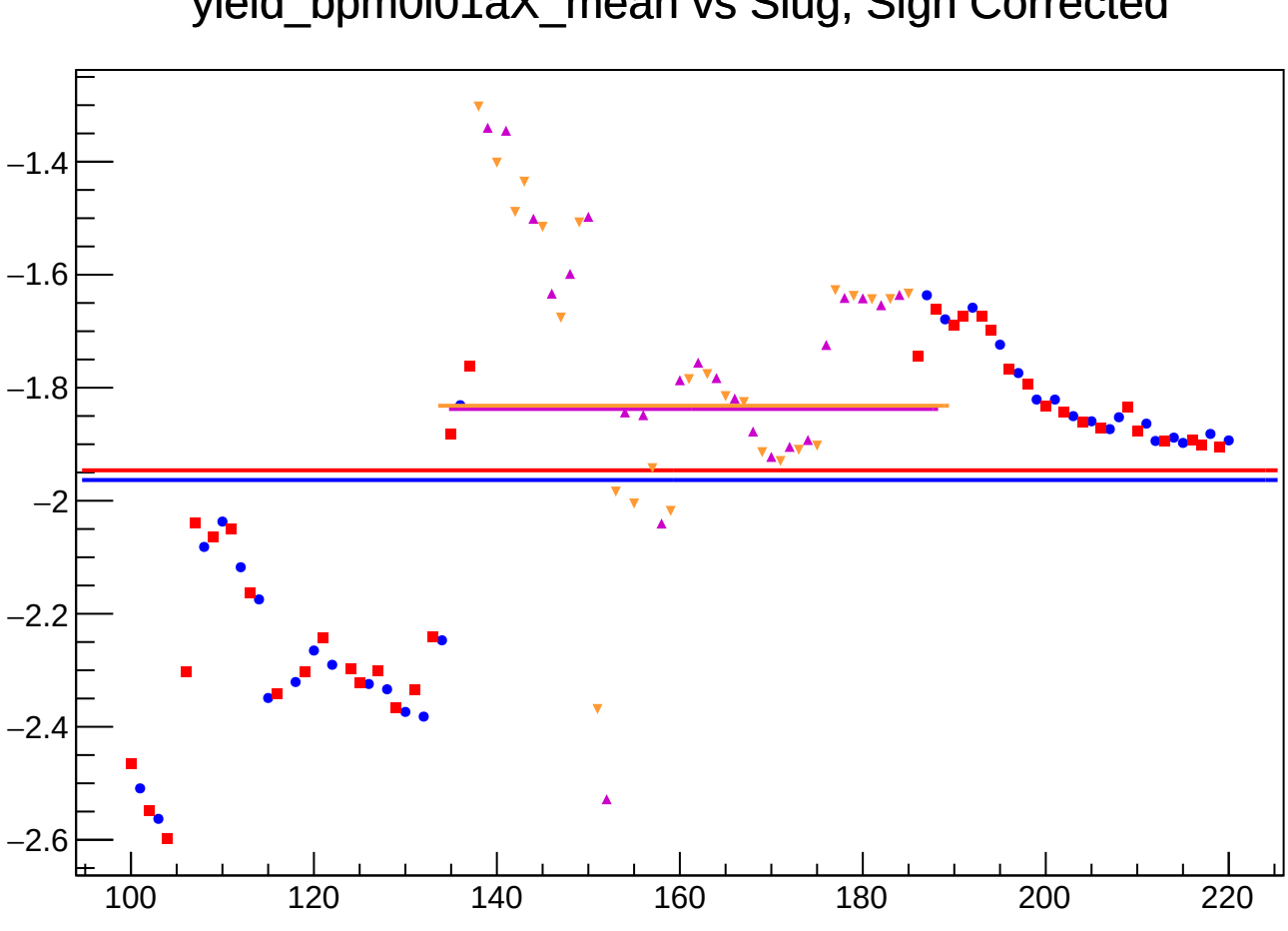
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 12437594.8/69

In: 0.003+/-0.000 χ^2/NDF:9360836.8/55

Out: 0.003+/-0.000 χ^2/NDF:9565934.8/61

All: 0.003+/-0.000 χ^2/NDF: 18930393.5/117



Right In: -1.963+/-0.000 χ^2/NDF: 34399266786.1/32

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.946+/-0.000 χ^2/NDF: 38137914547.5/36

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

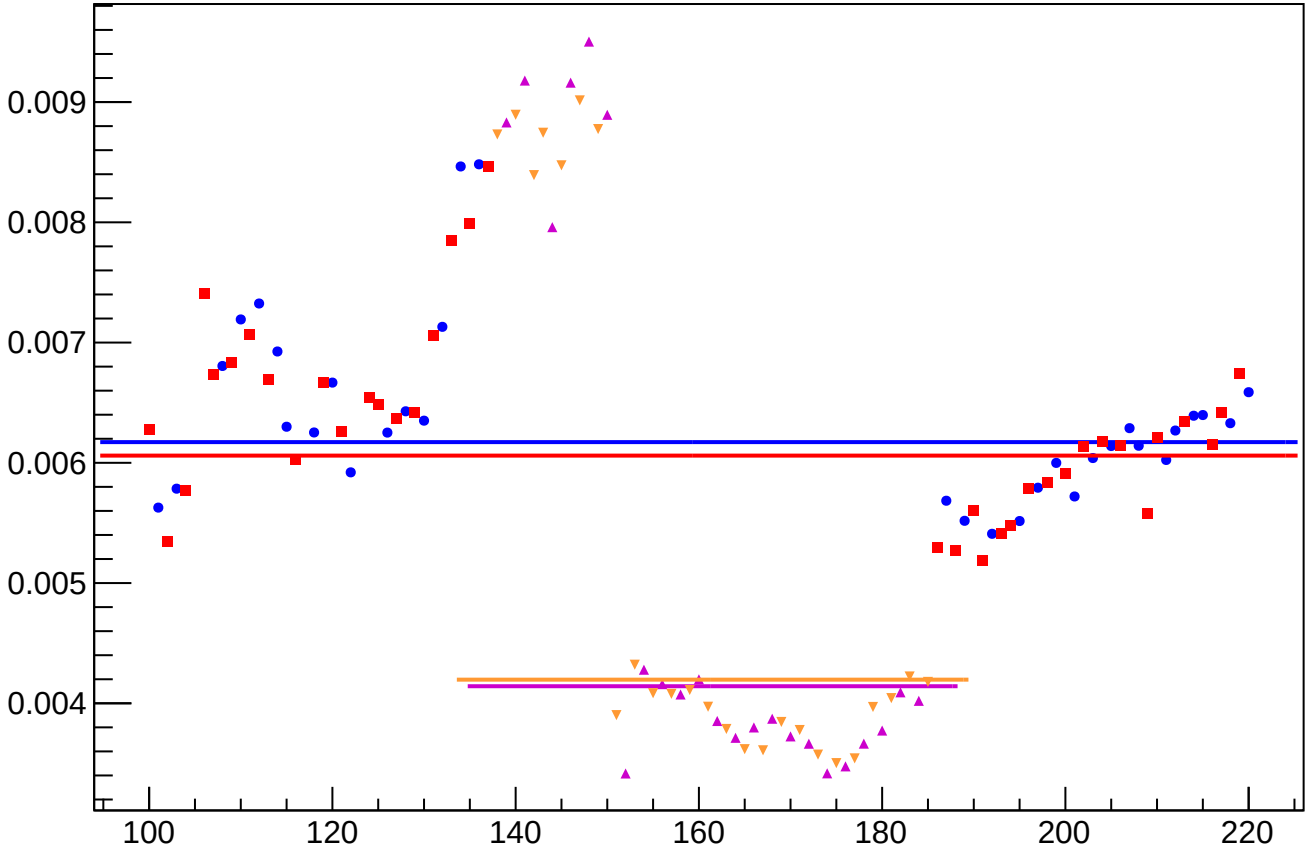
Right: -1.954+/-0.000 χ^2/NDF: 72618352962.3/69

In: -1.883+/-0.000 χ^2/NDF:93222641113.4/55

Out: -1.874+/-0.000 χ^2/NDF:81176078895.4/61

All: -1.878+/-0.000 χ^2/NDF: 174464618233.3

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 382519.6/32

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 421651.8/36

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

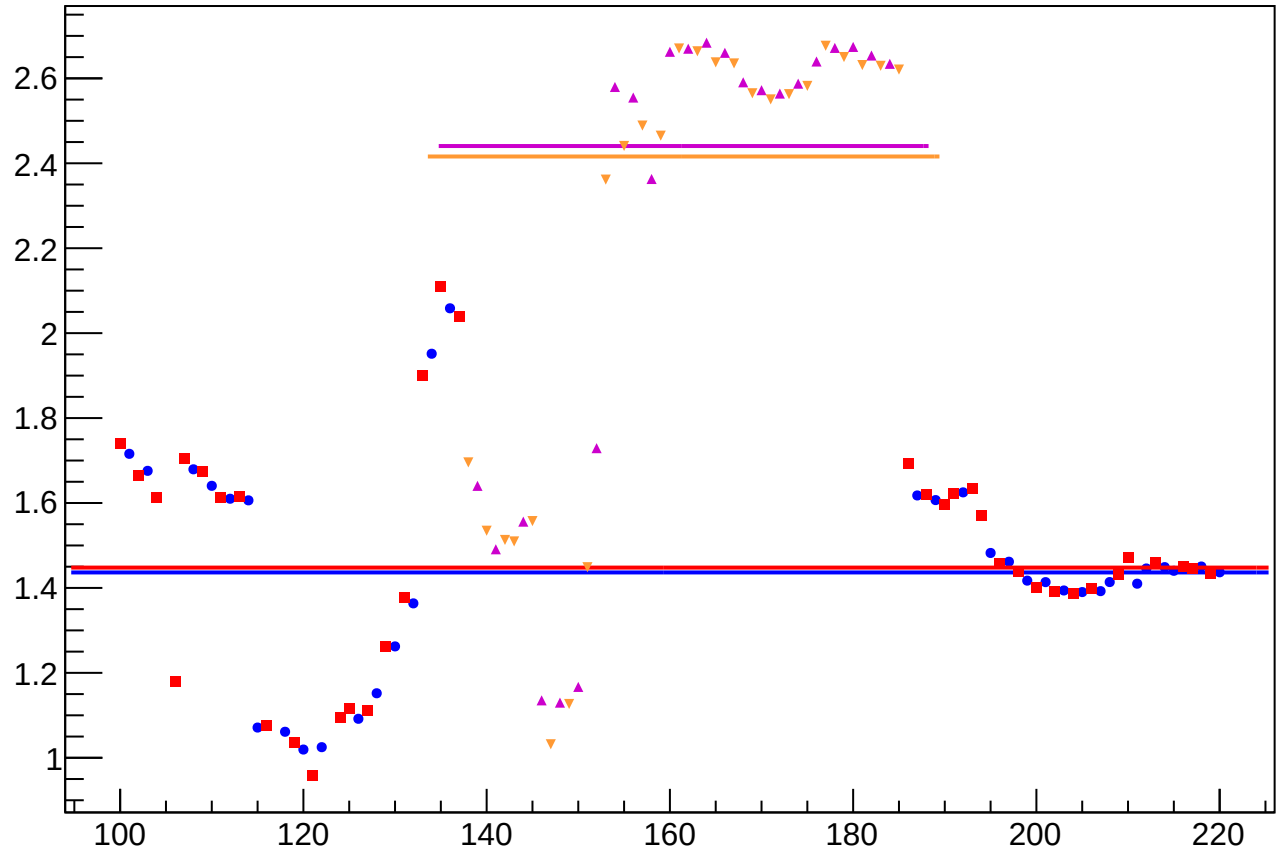
Right: 0.006+/-0.000 χ^2/NDF: 811088.7/69

In: 0.005+/-0.000 χ^2/NDF:6385021.2/55

Out: 0.005+/-0.000 χ^2/NDF:5998138.5/61

All: 0.005+/-0.000 χ^2/NDF: 12383171.6/117

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.436+/-0.000 χ^2/NDF: 191510708010.7/32

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186655480416.9/36

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

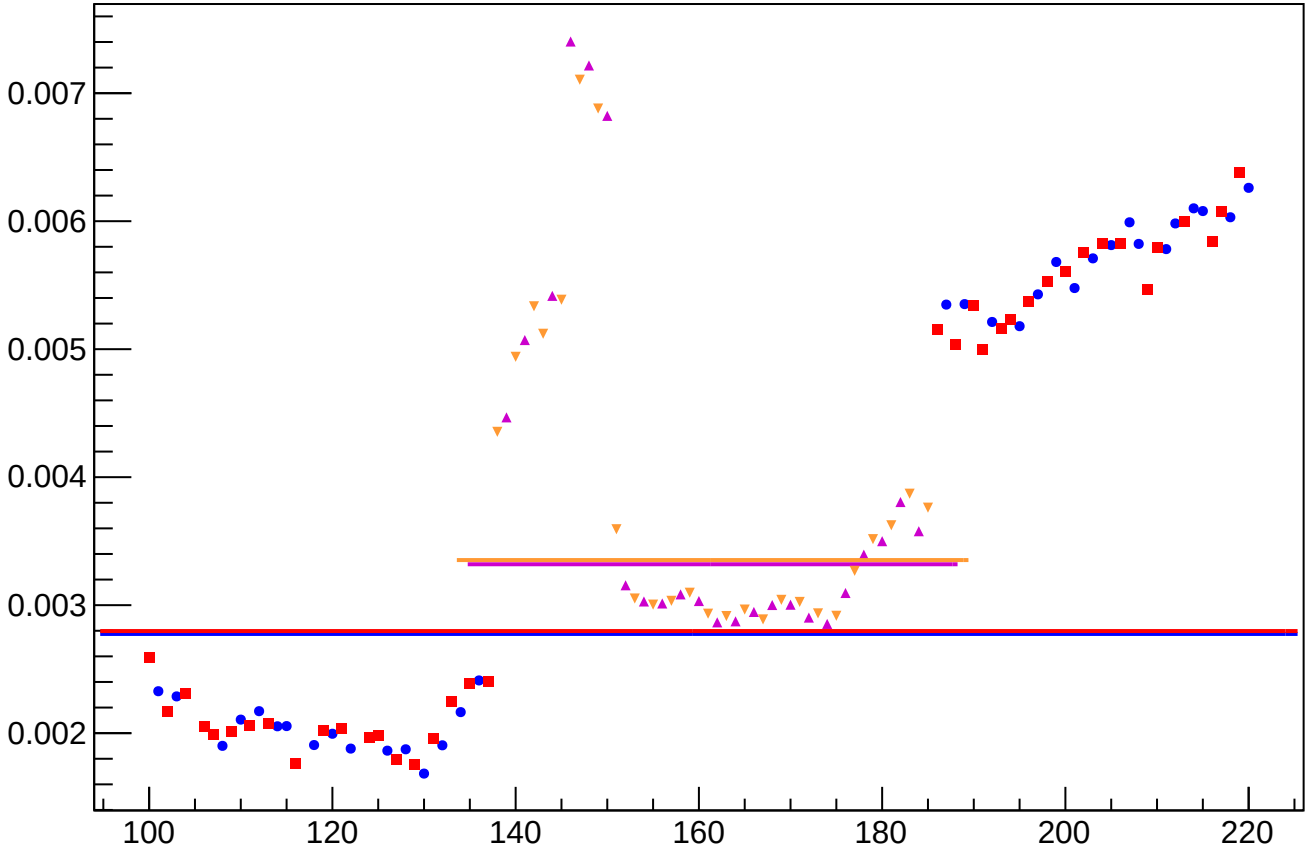
Right: 1.442+/-0.000 χ^2/NDF: 378300702573.9/69

In: 1.859+/-0.000 χ^2/NDF:1289453144147.5/55

Out: 1.862+/-0.000 χ^2/NDF:1262304596486.4/61

All: 1.860+/-0.000 χ^2/NDF: 2551778123841.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9301536.7/32

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9017591.4/36

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

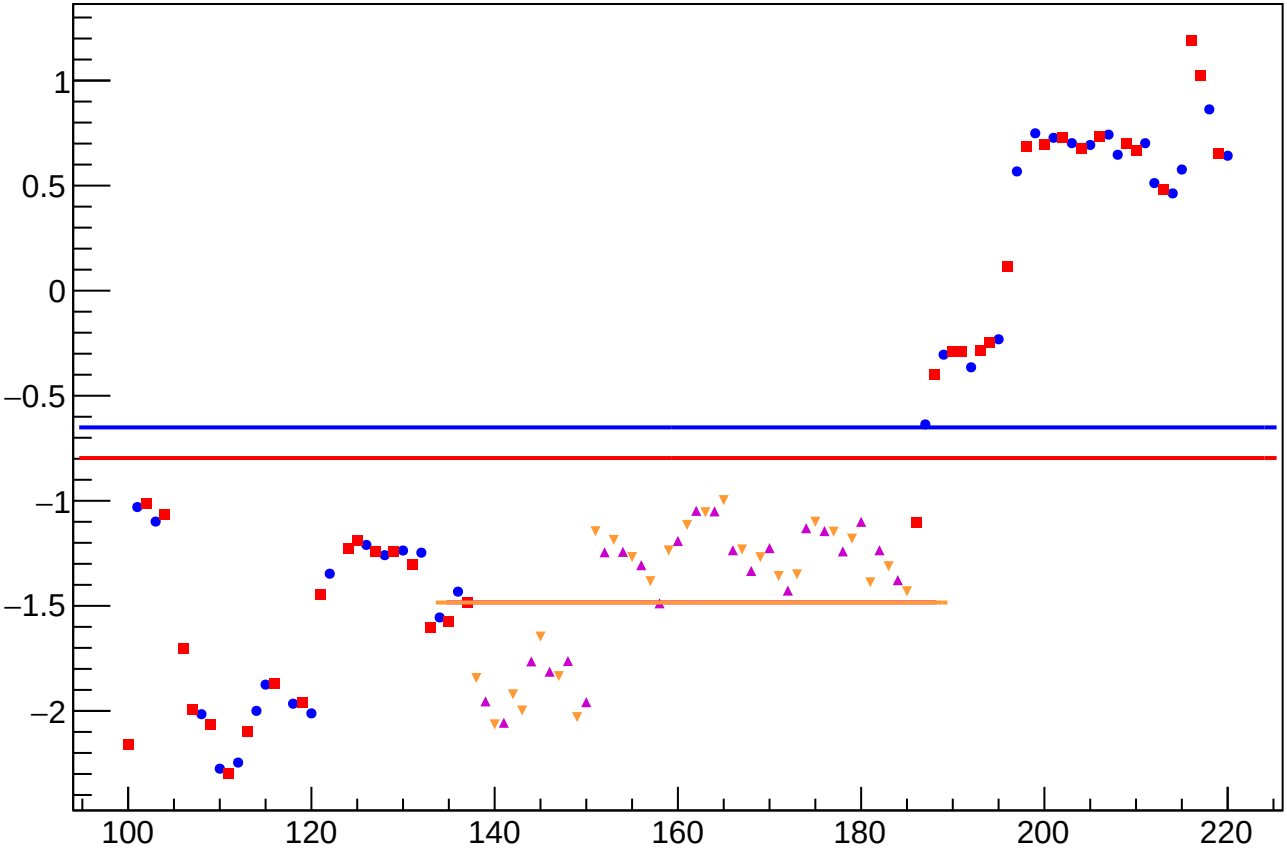
Right: 0.003+/-0.000 χ^2/NDF: 18320178.7/69

In: 0.003+/-0.000 χ^2/NDF:11866353.1/55

Out: 0.003+/-0.000 χ^2/NDF:11384017.1/61

All: 0.003+/-0.000 χ^2/NDF: 23253792.2/117

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.651+/-0.000 χ^2/NDF: 275857152550.5/32

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.796+/-0.000 χ^2/NDF: 314680494926.5/36

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

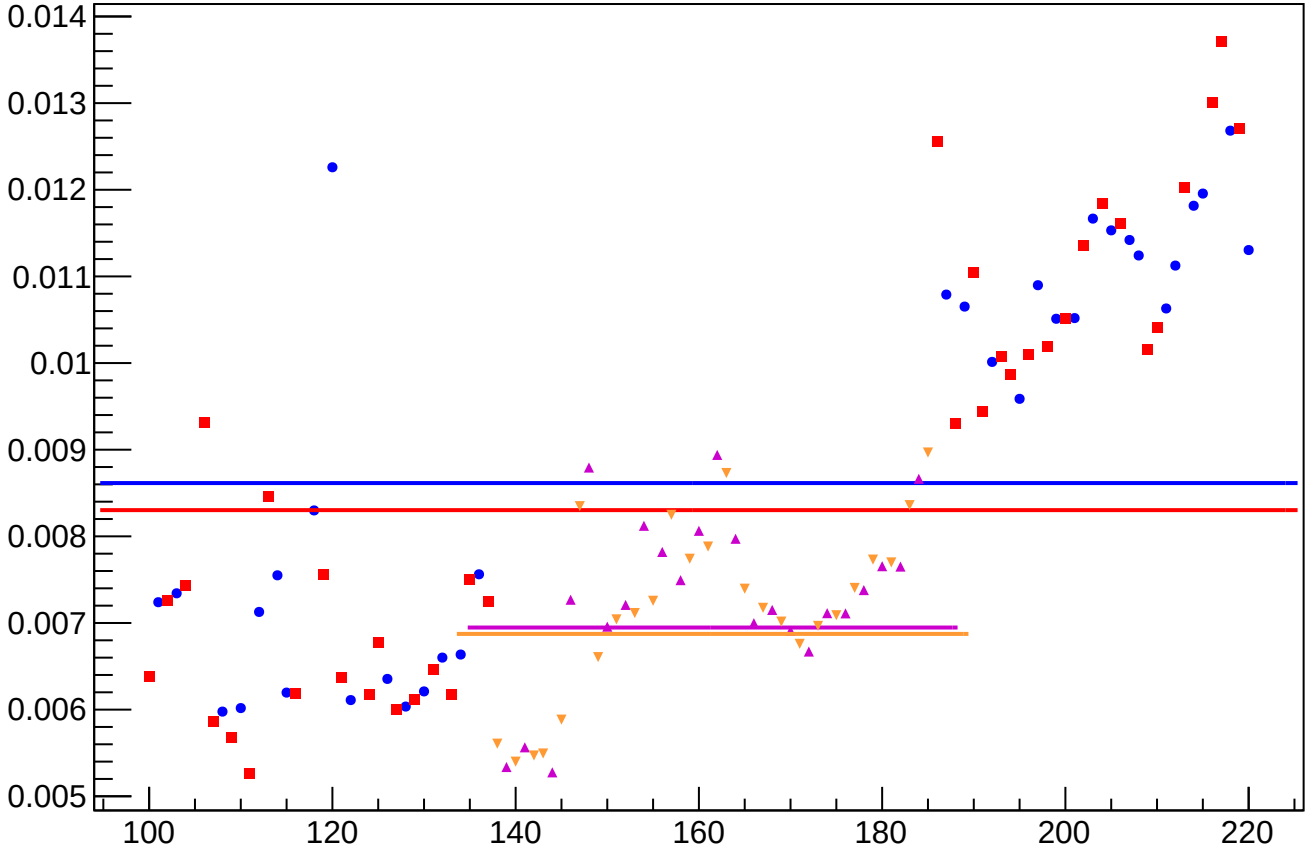
Right: -0.727+/-0.000 χ^2/NDF: 593336415663.3/69

In: -1.136+/-0.000 χ^2/NDF:418048667962.4/55

Out: -1.196+/-0.000 χ^2/NDF:439037617637.5/61

All: -1.168+/-0.000 χ^2/NDF: 858207583849.6

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2589625.7/32

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3066582.4/36

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

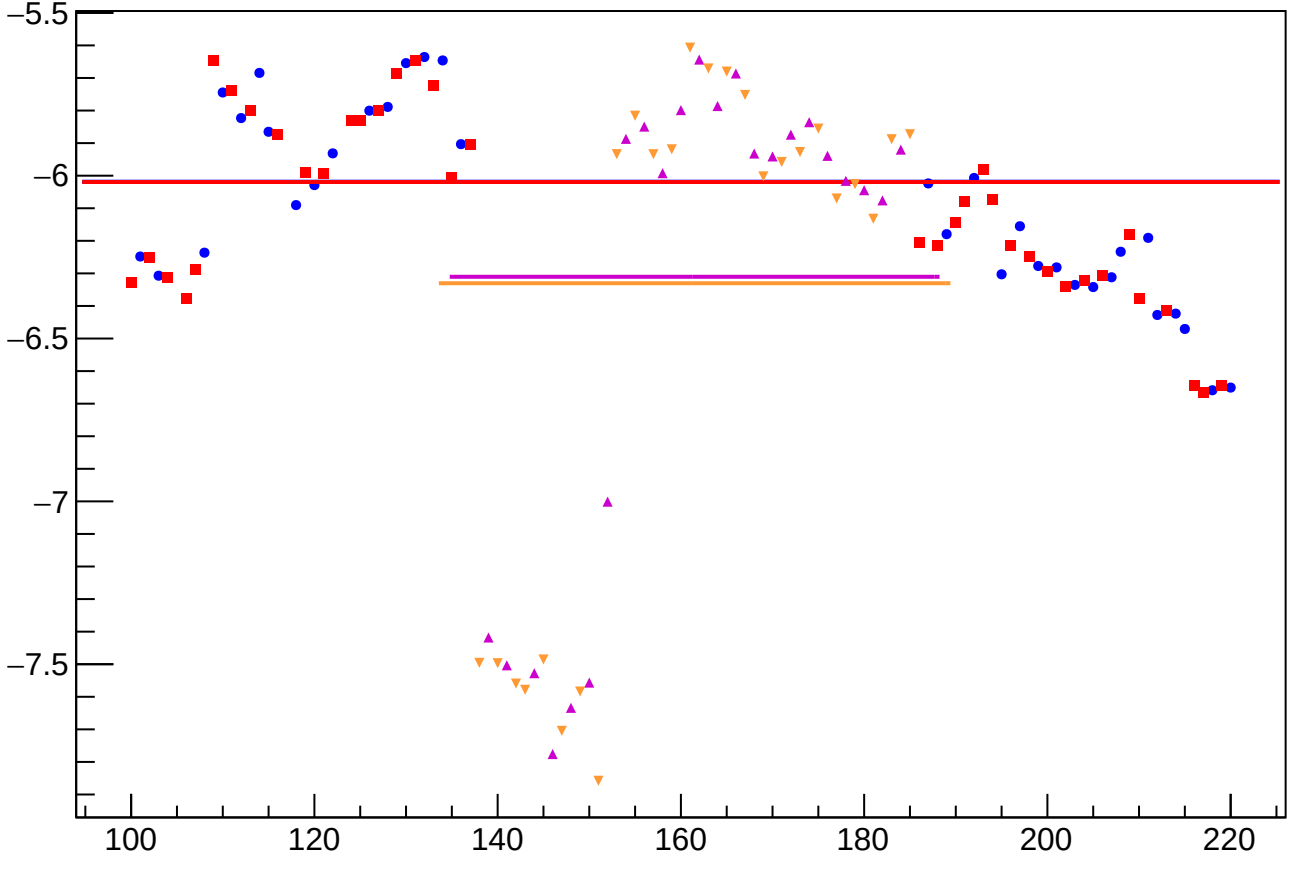
Right: 0.008+/-0.000 χ^2/NDF: 5681903.6/69

In: 0.008+/-0.000 χ^2/NDF:4152968.8/55

Out: 0.007+/-0.000 χ^2/NDF:4467275.4/61

All: 0.008+/-0.000 χ^2/NDF: 8638420.7/117

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -6.019+/-0.000 χ^2/NDF: 21385106411.6/32

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -6.019+/-0.000 χ^2/NDF: 21938421647.7/36

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

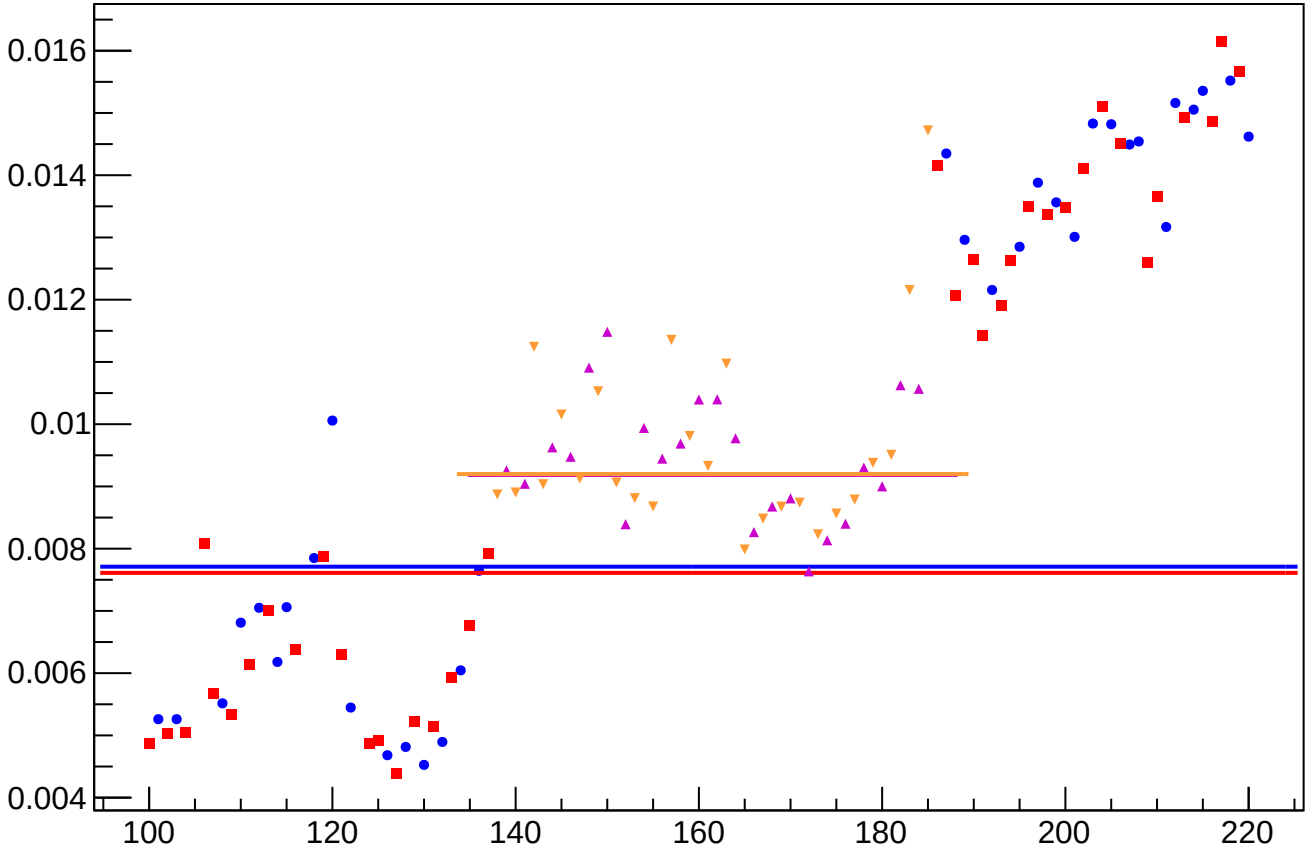
Right: -6.019+/-0.000 χ^2/NDF: 43323634873.5/69

In: -6.137+/-0.000 χ^2/NDF:122297853787.8/55

Out: -6.145+/-0.000 χ^2/NDF:143276191815.2/61

All: -6.141+/-0.000 χ^2/NDF: 265585767973.

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7821523.6/32

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7574975.0/36

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

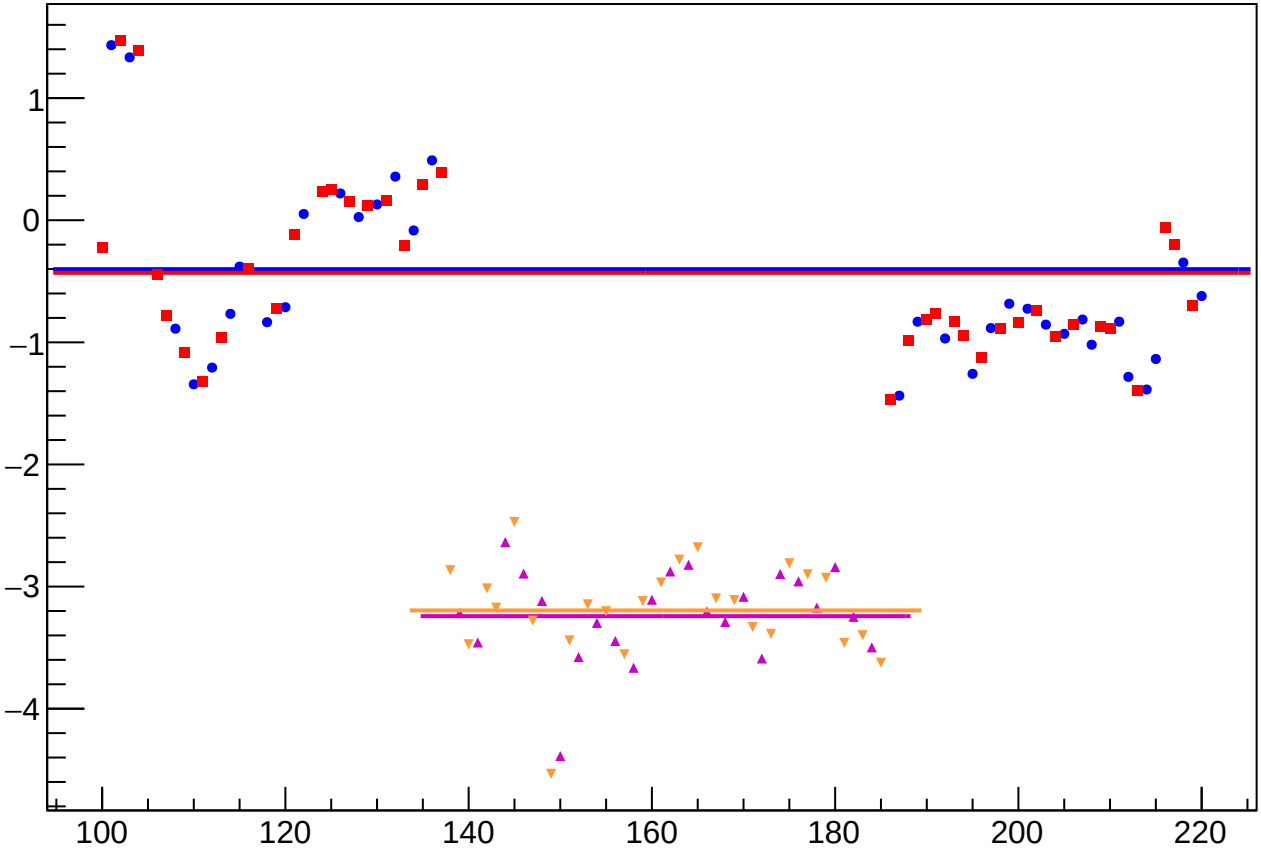
Right: 0.008+/-0.000 χ^2/NDF: 15399209.0/69

In: 0.008+/-0.000 χ^2/NDF:8610746.6/55

Out: 0.008+/-0.000 χ^2/NDF:8516322.6/61

All: 0.008+/-0.000 χ^2/NDF: 17128757.7/117

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.401+/-0.000 χ^2/NDF: 39896913013.6/32

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.431+/-0.000 χ^2/NDF: 38596198892.3/36

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

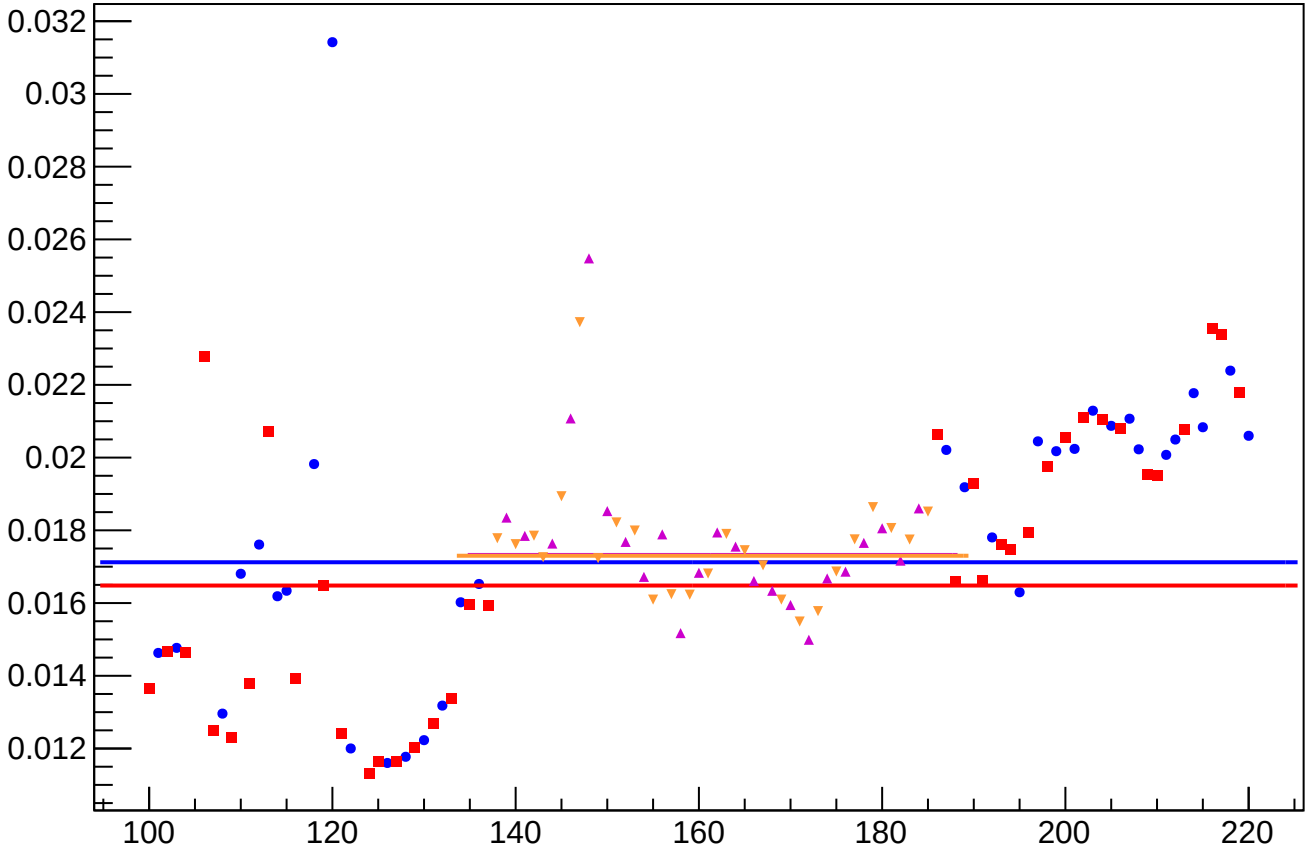
Right: -0.416+/-0.000 χ^2/NDF: 78523768110.3/69

In: -1.741+/-0.000 χ^2/NDF:296989172466.8/55

Out: -1.705+/-0.000 χ^2/NDF:303816989990.1/61

All: -1.723+/-0.000 χ^2/NDF: 600888714305.8

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 1789996.5/32

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1948948.4/36

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

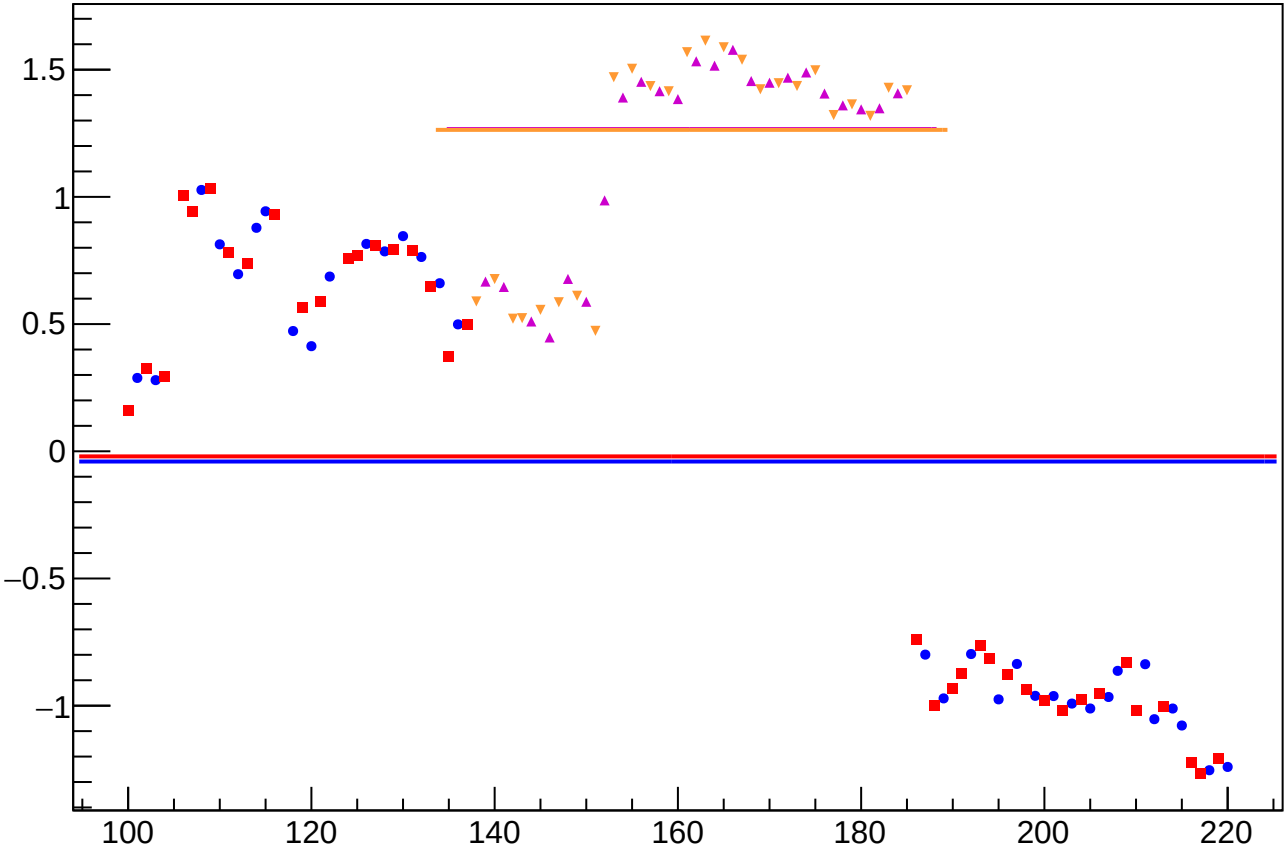
Right: 0.017+/-0.000 χ^2/NDF: 3767145.9/69

In: 0.017+/-0.000 χ^2/NDF:2122363.0/55

Out: 0.017+/-0.000 χ^2/NDF:2211900.4/61

All: 0.017+/-0.000 χ^2/NDF: 4350714.9/117

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.000 χ^2/NDF: 103958980127.0/32

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: -0.020+/-0.000 χ^2/NDF: 112625256755.3/36

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

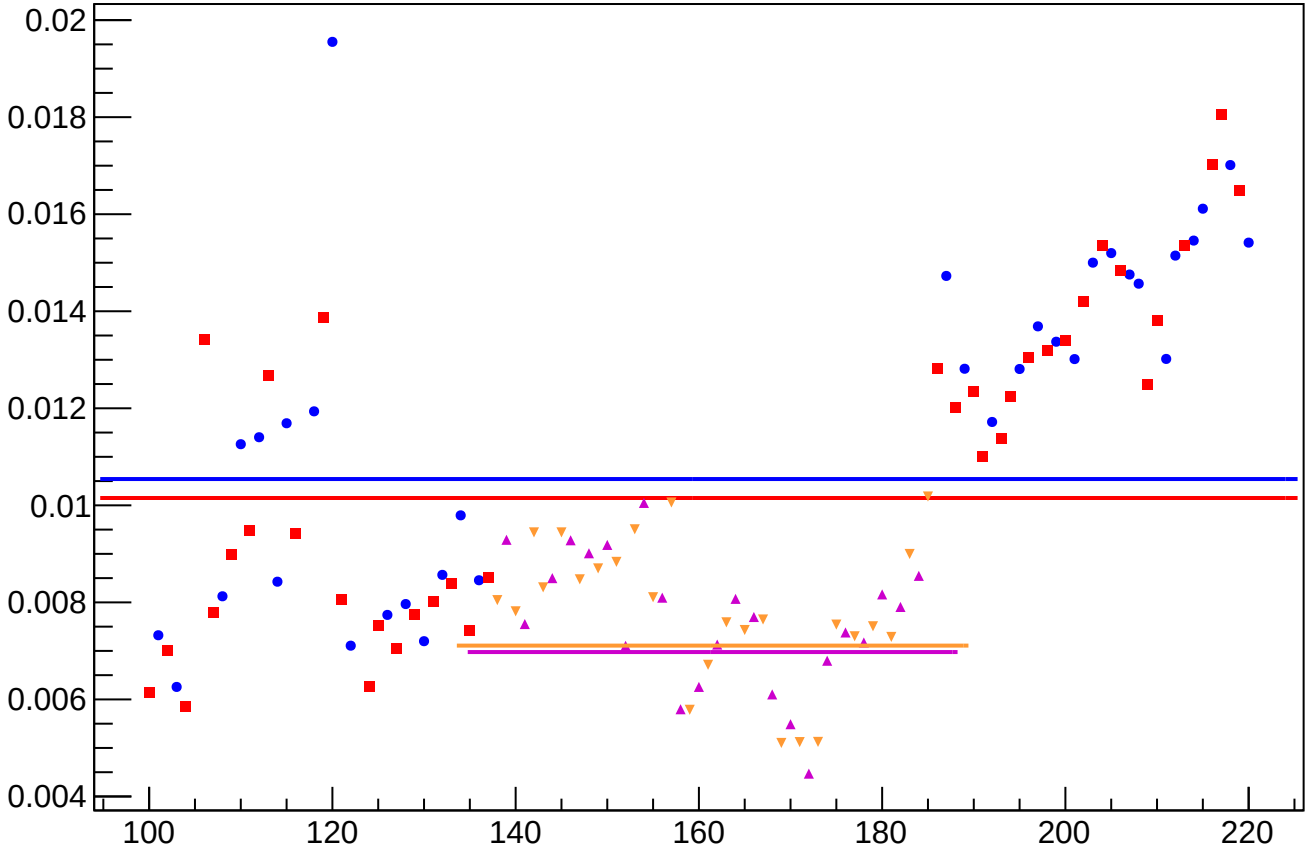
Right: -0.030+/-0.000 χ^2/NDF: 216618407227.3/69

In: 0.842+/-0.000 χ^2/NDF:327032743922.7/55

Out: 0.821+/-0.000 χ^2/NDF:349406356068.1/61

All: 0.831+/-0.000 χ^2/NDF: 676550106757.5

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 3700266.1/32

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 3873201.8/36

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

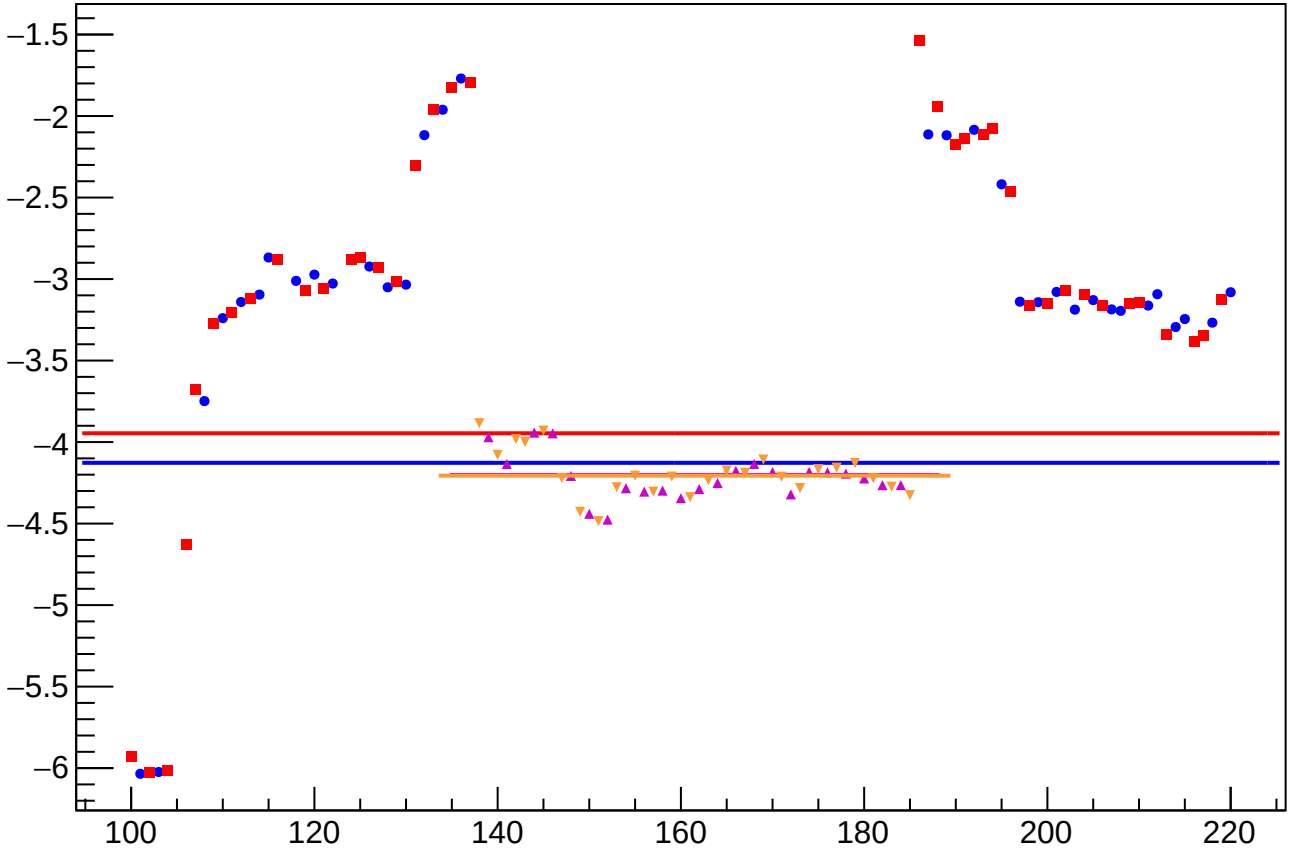
Right: 0.010+/-0.000 χ^2/NDF: 7599219.5/69

In: 0.008+/-0.000 χ^2/NDF:7918024.4/55

Out: 0.008+/-0.000 χ^2/NDF:7540410.1/61

All: 0.008+/-0.000 χ^2/NDF: 15458689.6/117

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.127+/-0.000 χ^2/NDF: 310360740978.9/32

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -3.946+/-0.000 χ^2/NDF: 310726733358.5/36

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

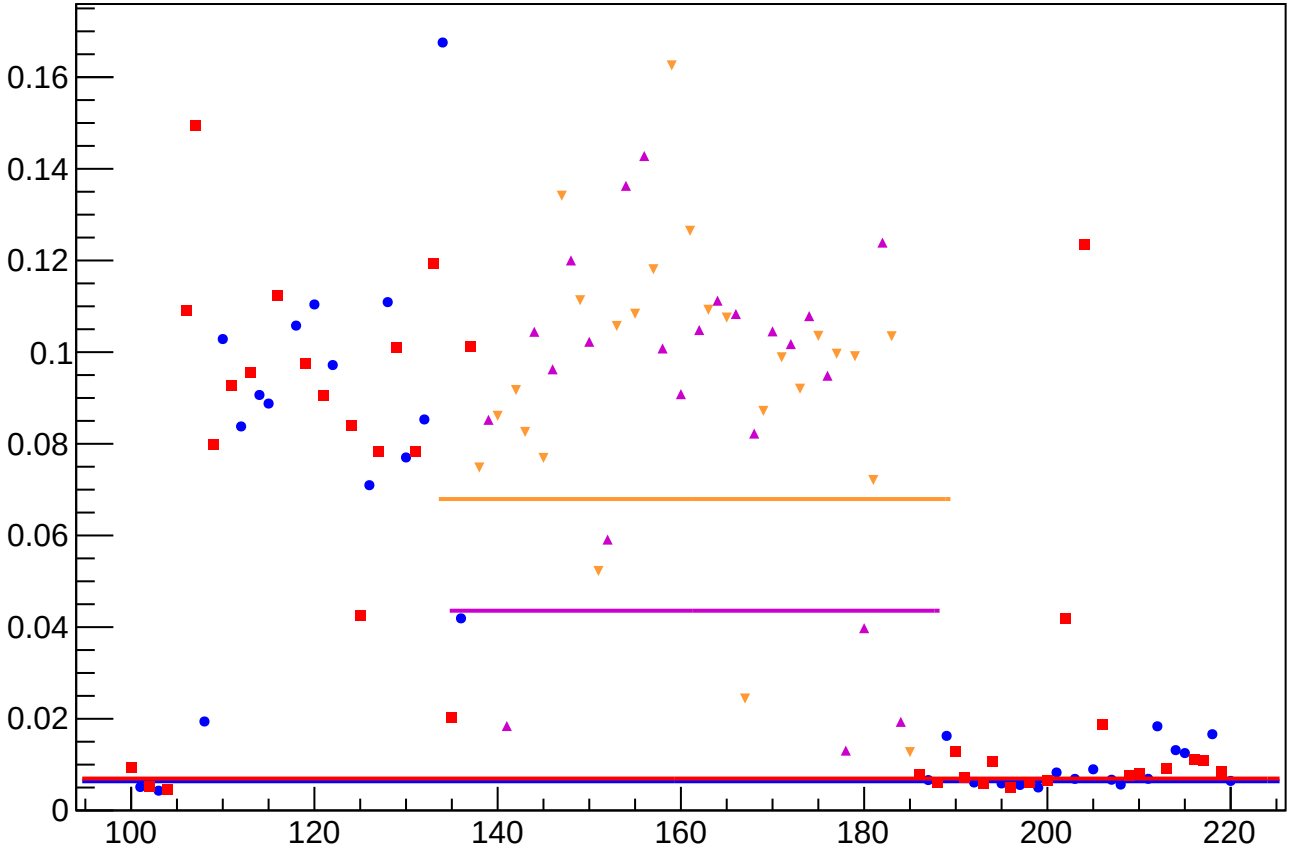
Right: -4.046+/-0.000 χ^2/NDF: 623005850186.5/69

In: -4.129+/-0.000 χ^2/NDF:310425488959.4/55

Out: -3.952+/-0.000 χ^2/NDF:310963700200.4/61

All: -4.051+/-0.000 χ^2/NDF: 623272420120.5

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 9606615.5/32

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10909047.3/36

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

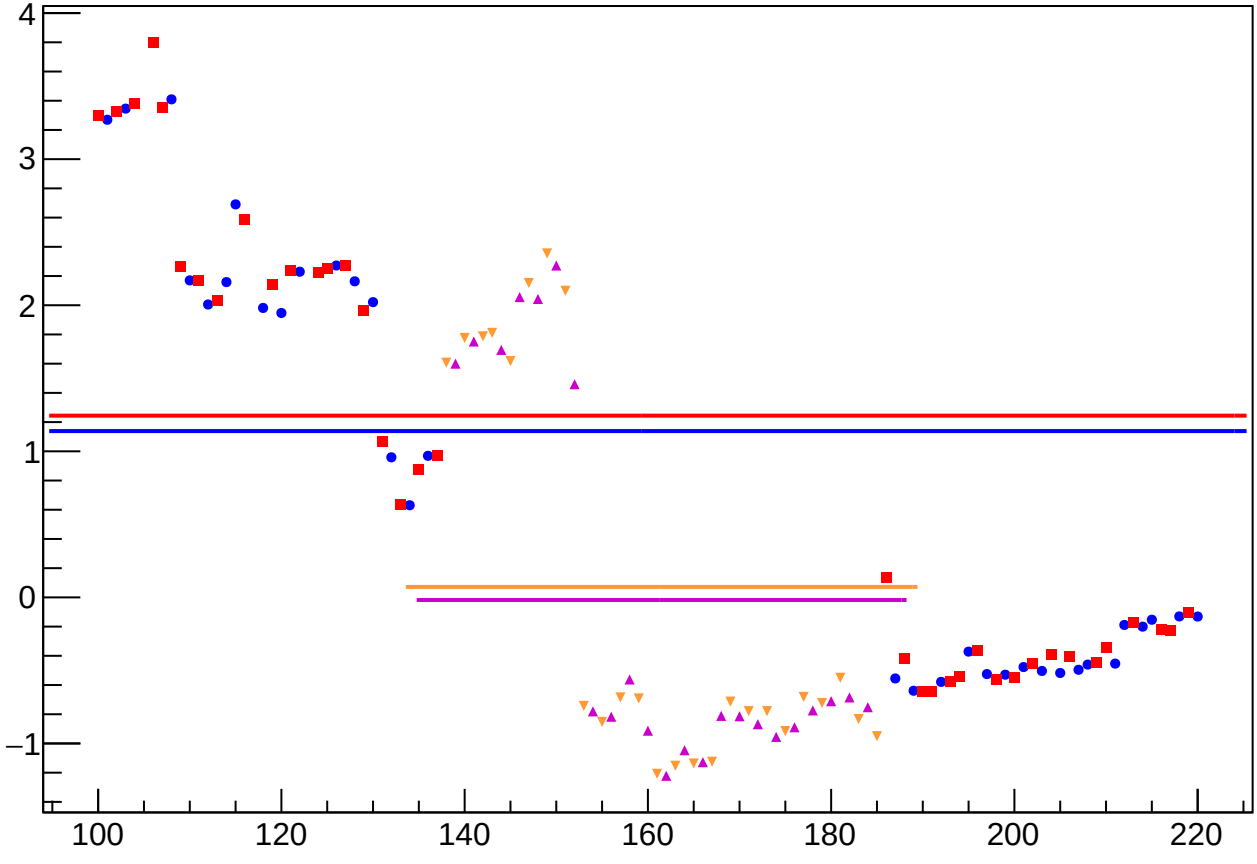
Right: 0.007+/-0.000 χ^2/NDF: 20556116.9/69

In: 0.007+/-0.000 χ^2/NDF:33357123.9/55

Out: 0.008+/-0.000 χ^2/NDF:37855151.7/61

All: 0.008+/-0.000 χ^2/NDF: 71321990.1/117

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.139+/-0.000 χ^2/NDF: 247086213540.0/32

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.244+/-0.000 χ^2/NDF: 224654900209.0/36

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

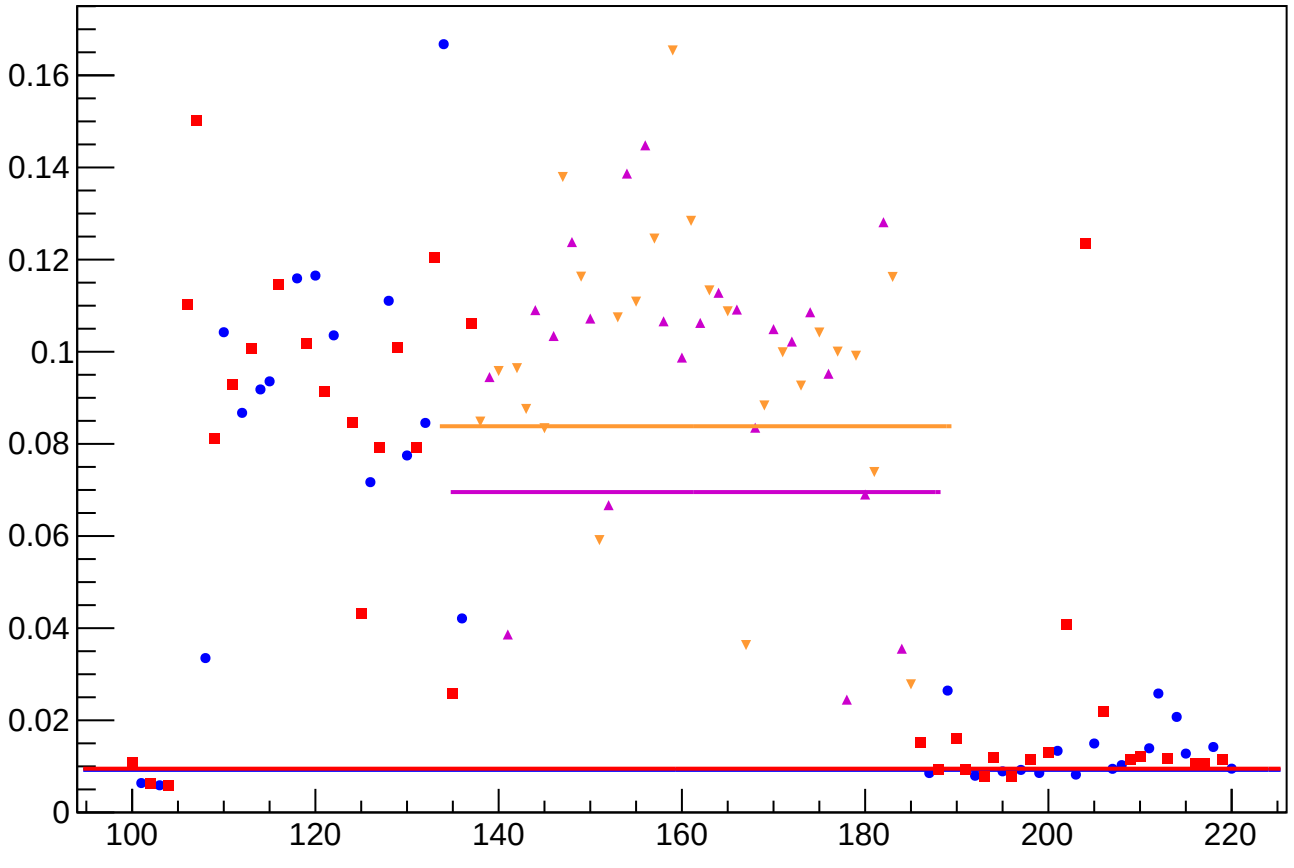
Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

Right: 1.189+/-0.000 χ^2/NDF: 472127399676.6/69

In: 1.102+/-0.000 χ^2/NDF:253621183564.5/55

Out: 1.209+/-0.000 χ^2/NDF:231032740858.6/61

All: 1.153+/-0.000 χ^2/NDF: 485061209045.6



Right In: 0.009+/-0.000 χ^2/NDF: 9387224.4/32

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.010+/-0.000 χ^2/NDF: 10552116.6/36

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

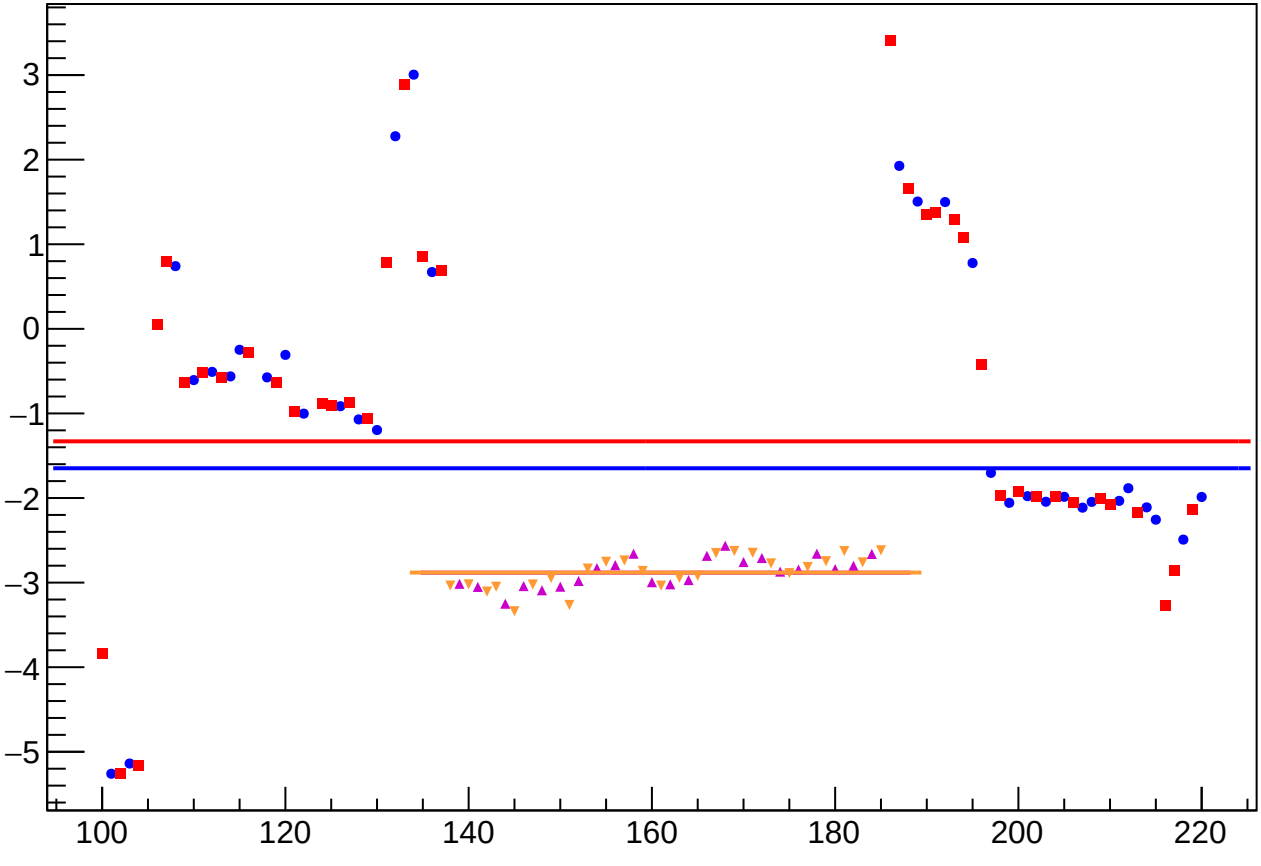
Right: 0.009+/-0.000 χ^2/NDF: 19944026.1/69

In: 0.011+/-0.000 χ^2/NDF:32831066.4/55

Out: 0.012+/-0.000 χ^2/NDF:36429642.1/61

All: 0.011+/-0.000 χ^2/NDF: 69286333.4/117

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.648+/-0.000 χ^2/NDF: 211246444690.5/32

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.330+/-0.000 χ^2/NDF: 246180012537.6/36

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

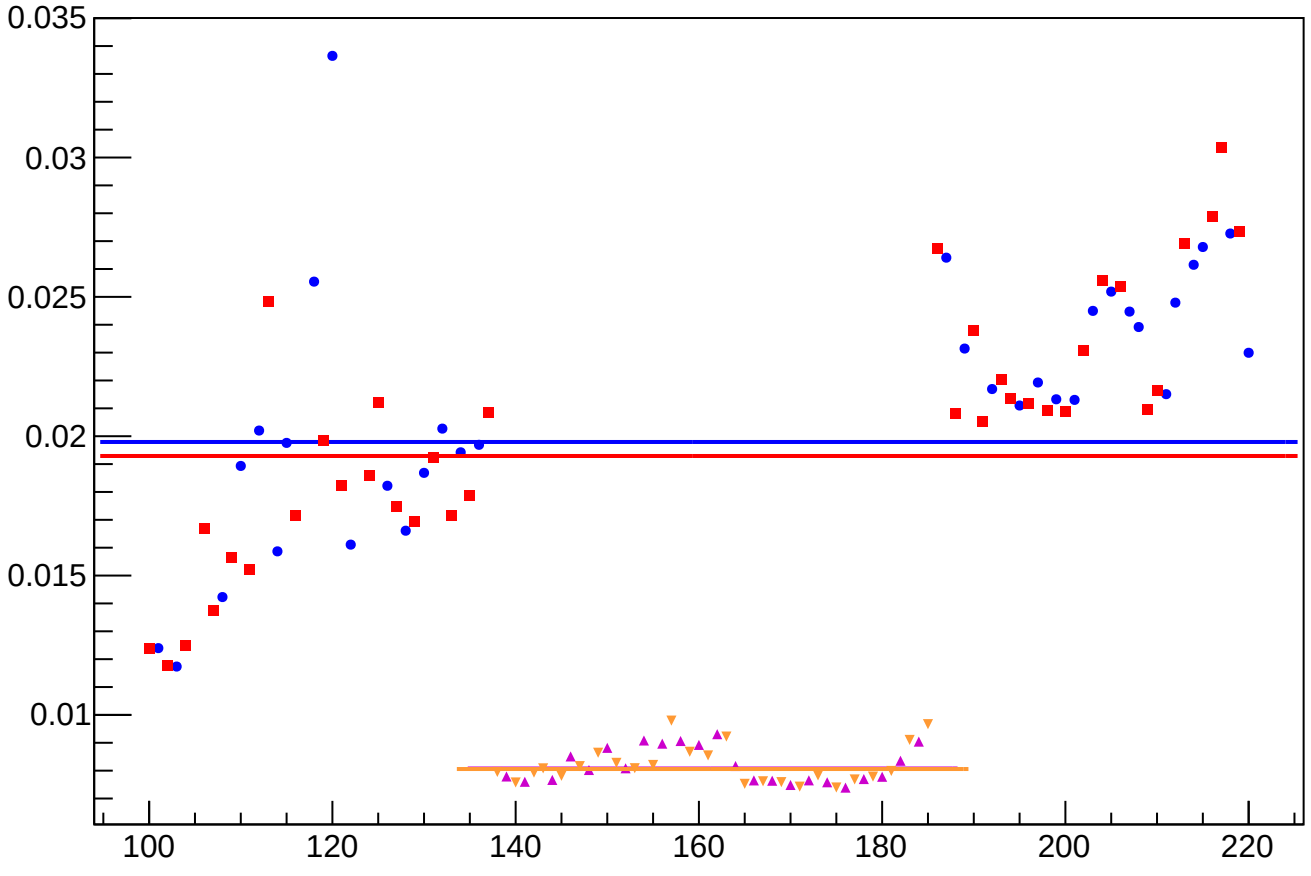
Right: -1.483+/-0.000 χ^2/NDF: 459892276381.0/69

In: -2.699+/-0.000 χ^2/NDF:280169091541.7/55

Out: -2.646+/-0.000 χ^2/NDF:360292453112.7/61

All: -2.672+/-0.000 χ^2/NDF: 640911952297.

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 2169319.9/32

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF: 2231663.1/36

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

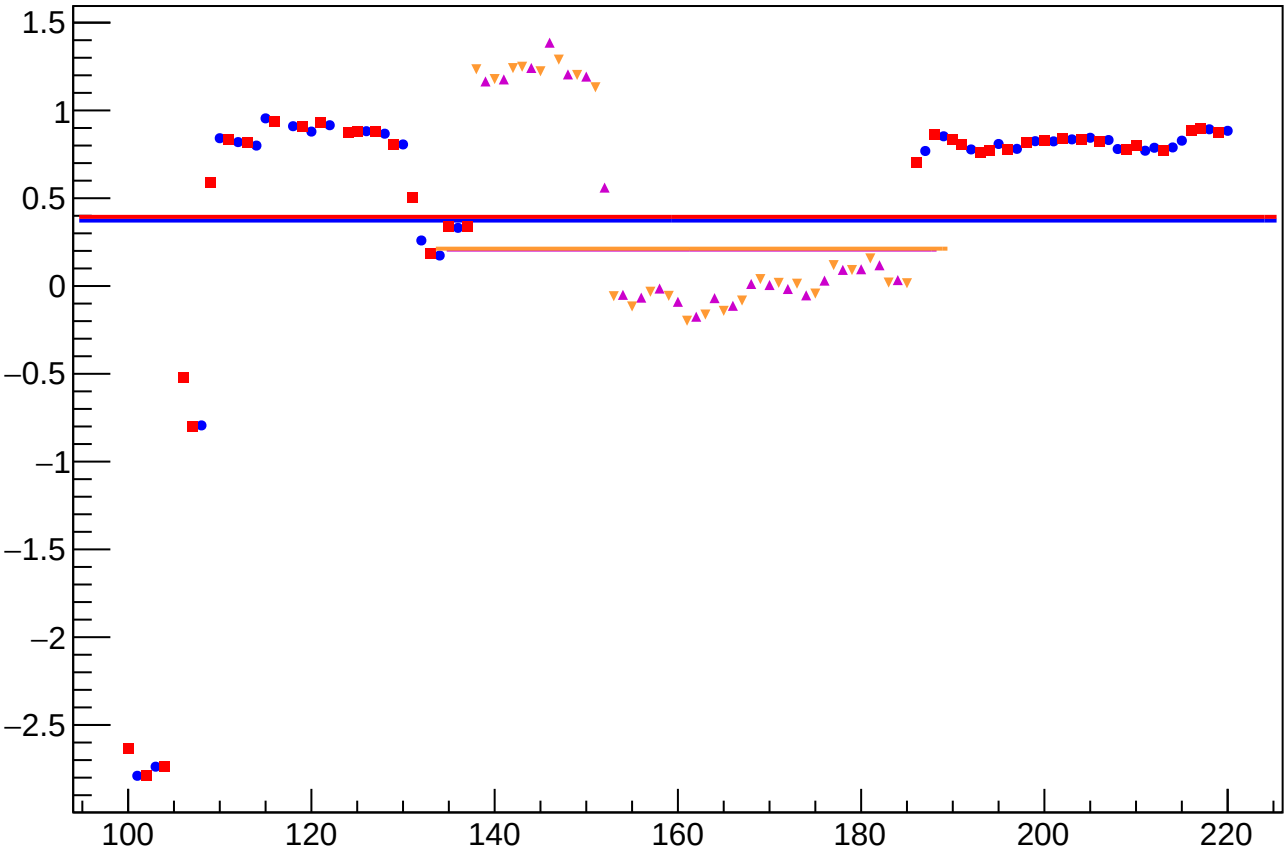
Right: 0.020+/-0.000 χ^2/NDF: 4413286.9/69

In: 0.010+/-0.000 χ^2/NDF:13275777.7/55

Out: 0.010+/-0.000 χ^2/NDF:13273939.3/61

All: 0.010+/-0.000 χ^2/NDF: 26550886.5/117

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.373+/-0.000 χ^2/NDF: 991993610812.4/32

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.394+/-0.000 χ^2/NDF: 1073406355713.7/36

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

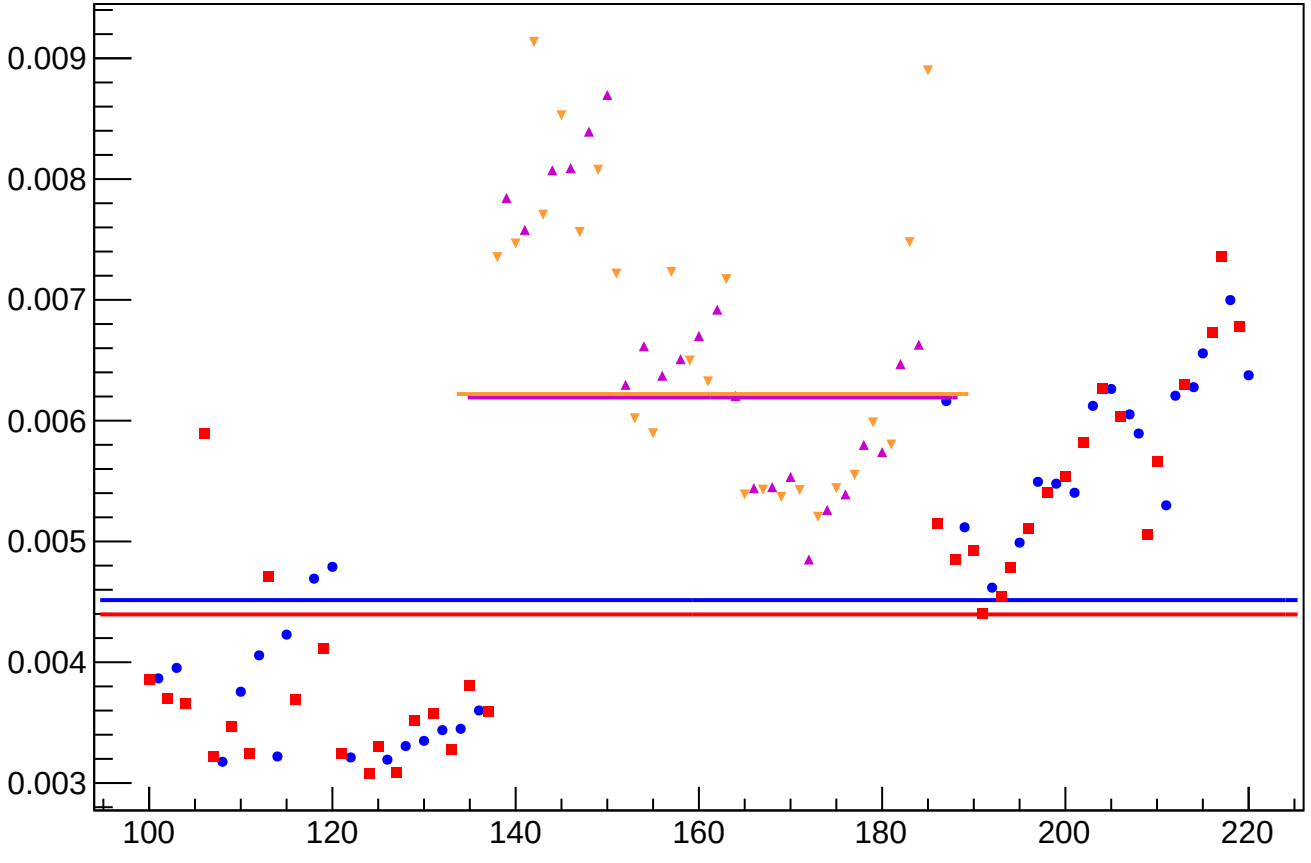
Right: 0.384+/-0.000 χ^2/NDF: 2065615867680.3/69

In: 0.322+/-0.000 χ^2/NDF:1086906587556.5/55

Out: 0.339+/-0.000 χ^2/NDF:1186105342942.2/61

All: 0.331+/-0.000 χ^2/NDF: 2273229210681.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2533398.6/32

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2561354.9/36

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

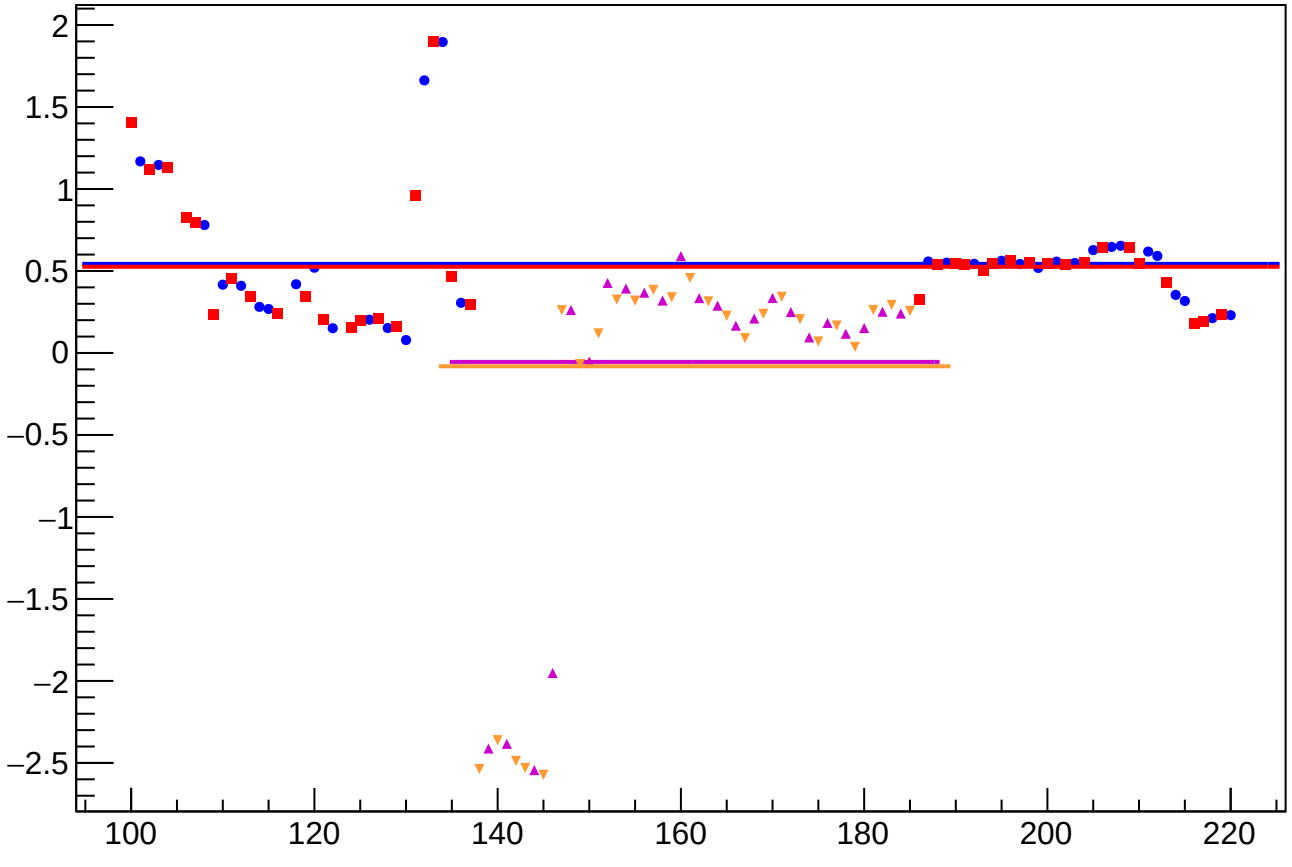
Right: 0.004+/-0.000 χ^2/NDF: 5108260.1/69

In: 0.005+/-0.000 χ^2/NDF:4958598.8/55

Out: 0.005+/-0.000 χ^2/NDF:5378477.9/61

All: 0.005+/-0.000 χ^2/NDF: 10347759.7/117

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.543+/-0.000 χ^2/NDF: 68199185572.1/32

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.526+/-0.000 χ^2/NDF: 68304221037.5/36

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

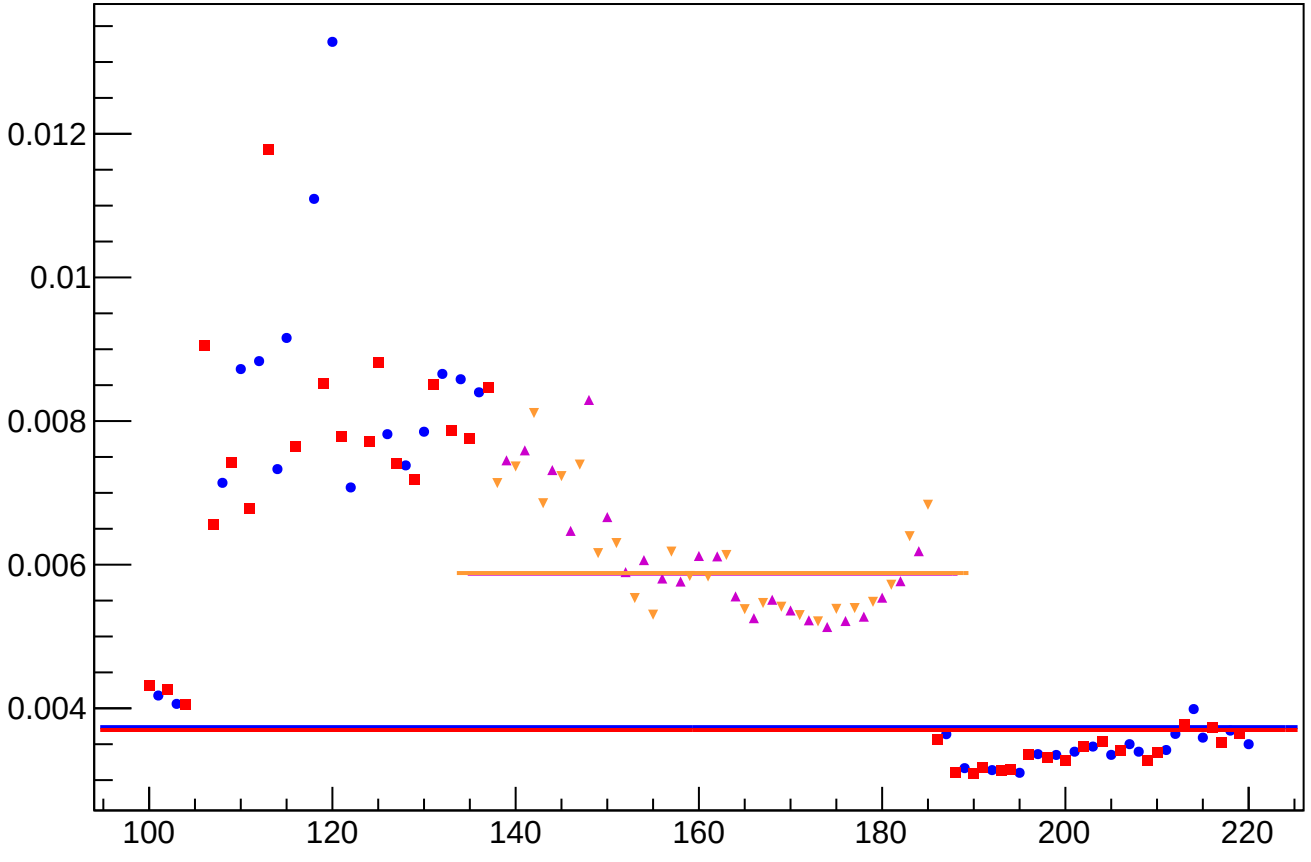
Right: 0.534+/-0.000 χ^2/NDF: 136712263639.9/69

In: 0.379+/-0.000 χ^2/NDF:540922889656.5/55

Out: 0.360+/-0.000 χ^2/NDF:592310146227.8/61

All: 0.369+/-0.000 χ^2/NDF: 1133550042925.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3504311.7/32

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3484507.8/36

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

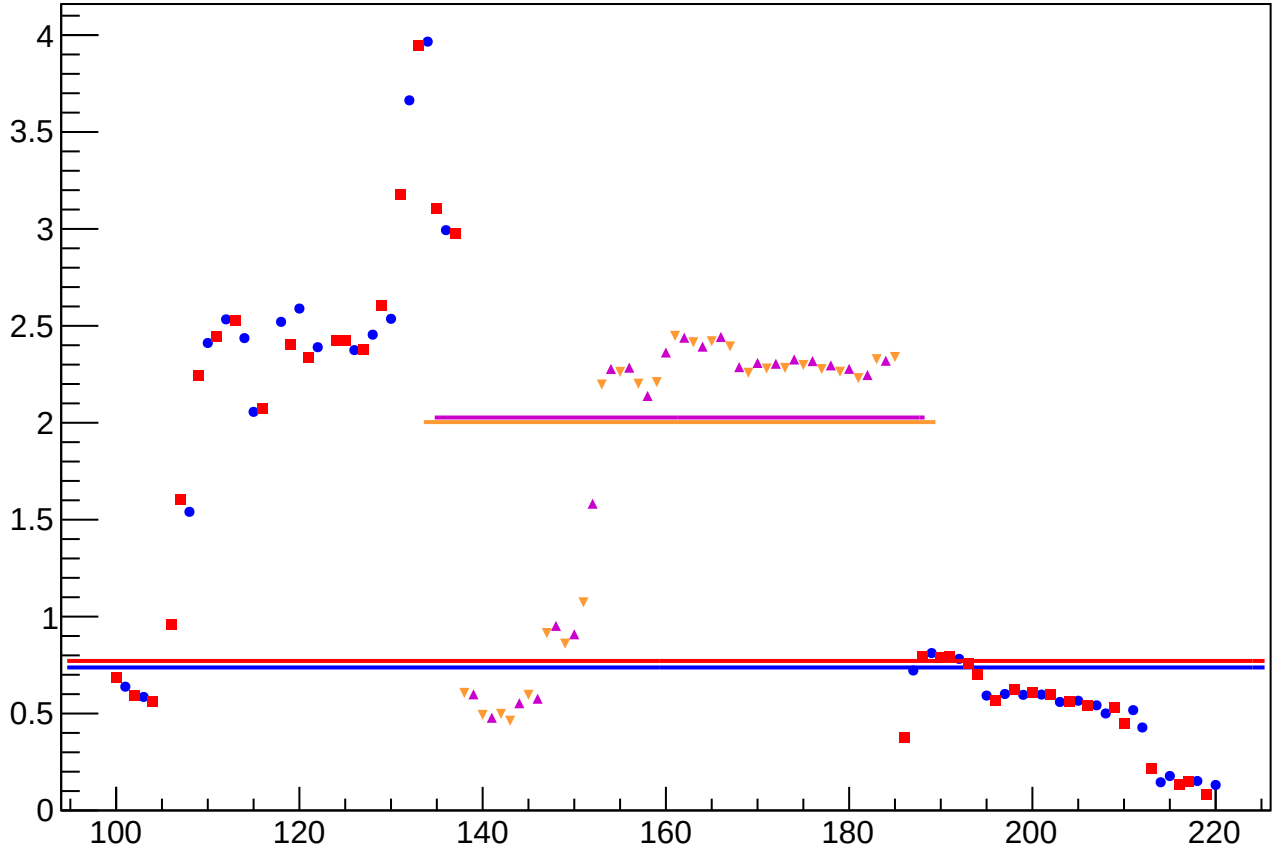
Right: 0.004+/-0.000 χ^2/NDF: 6990925.9/69

In: 0.004+/-0.000 χ^2/NDF:7234416.1/55

Out: 0.004+/-0.000 χ^2/NDF:7462702.4/61

All: 0.004+/-0.000 χ^2/NDF: 14698981.9/117

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.738+/-0.000 χ^2/NDF: 290191393415.2/32

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.771+/-0.000 χ^2/NDF: 321107503811.2/36

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

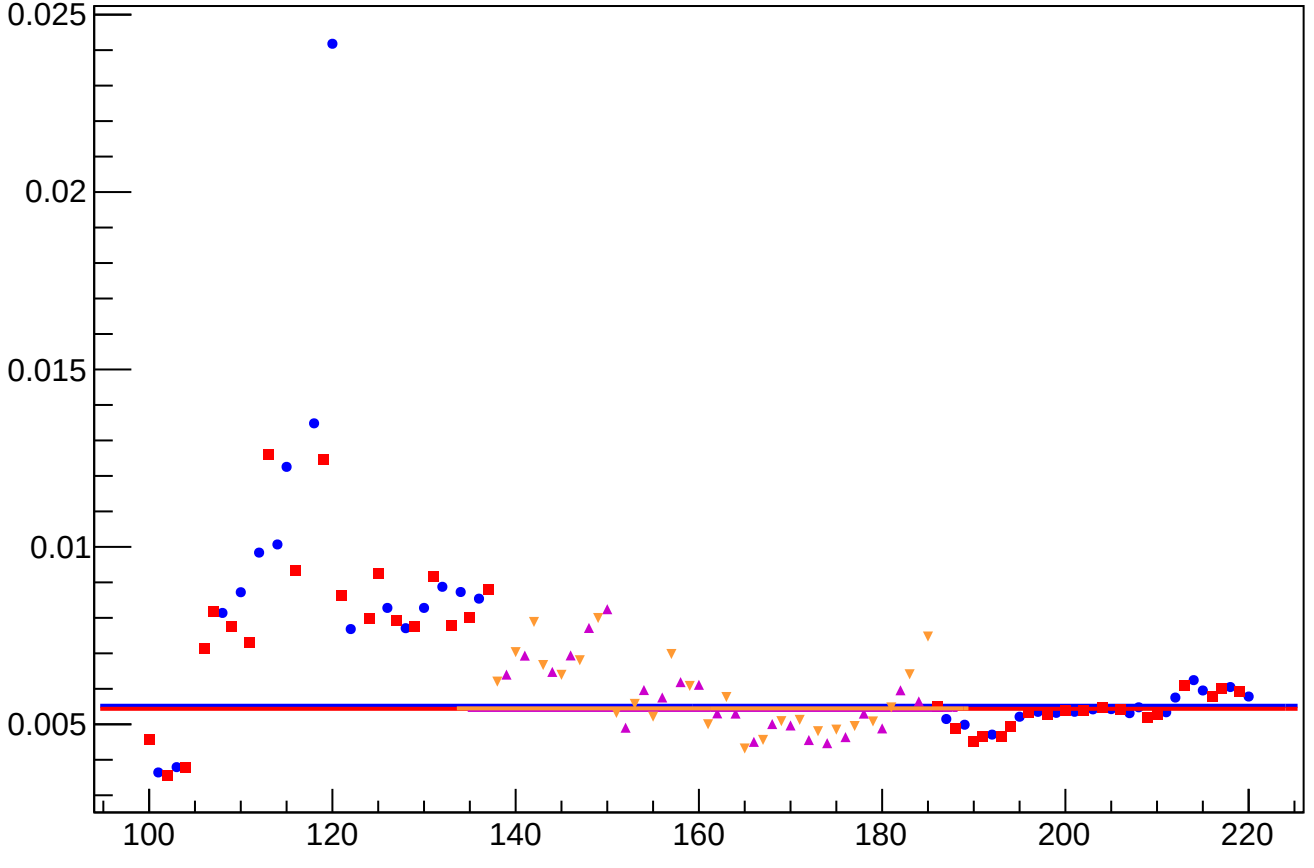
Right: 0.755+/-0.000 χ^2/NDF: 611651740111.4/69

In: 1.343+/-0.000 χ^2/NDF:953674805413.6/55

Out: 1.340+/-0.000 χ^2/NDF:991239867501.2/61

All: 1.341+/-0.000 χ^2/NDF: 1944919034318.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2372149.6/32

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2189101.8/36

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

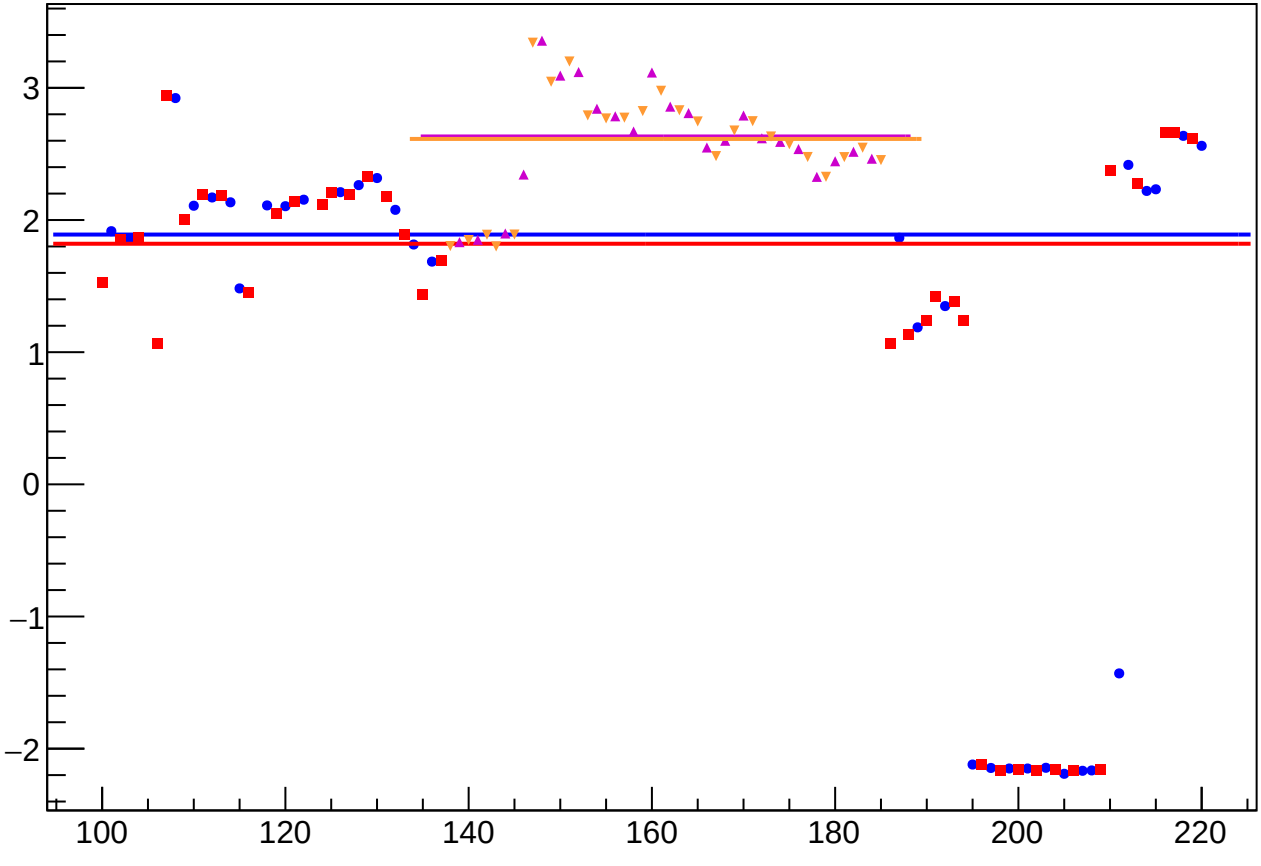
Right: 0.005+/-0.000 χ^2/NDF: 4565856.0/69

In: 0.005+/-0.000 χ^2/NDF:3195148.6/55

Out: 0.005+/-0.000 χ^2/NDF:2960606.0/61

All: 0.005+/-0.000 χ^2/NDF: 6156487.2/117

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.890+/-0.000 χ^2/NDF: 194160999106.6/32

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.820+/-0.000 χ^2/NDF: 177576513279.7/36

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

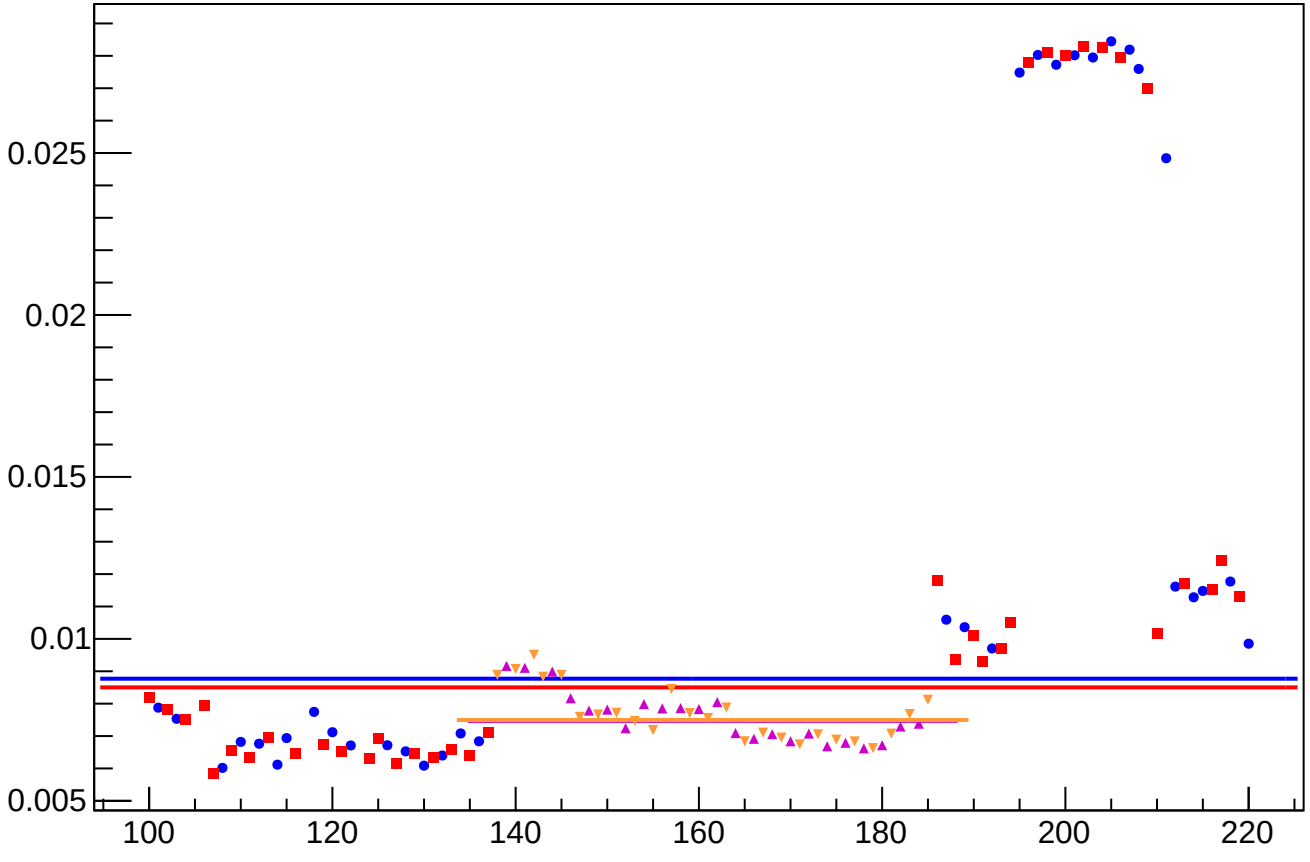
Right: 1.853+/-0.000 χ^2/NDF: 372267484318.2/69

In: 2.335+/-0.000 χ^2/NDF:303153747815.0/55

Out: 2.282+/-0.000 χ^2/NDF:308928475798.1/61

All: 2.307+/-0.000 χ^2/NDF: 612839052232.5

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8787409.1/32

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 7780181.7/36

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

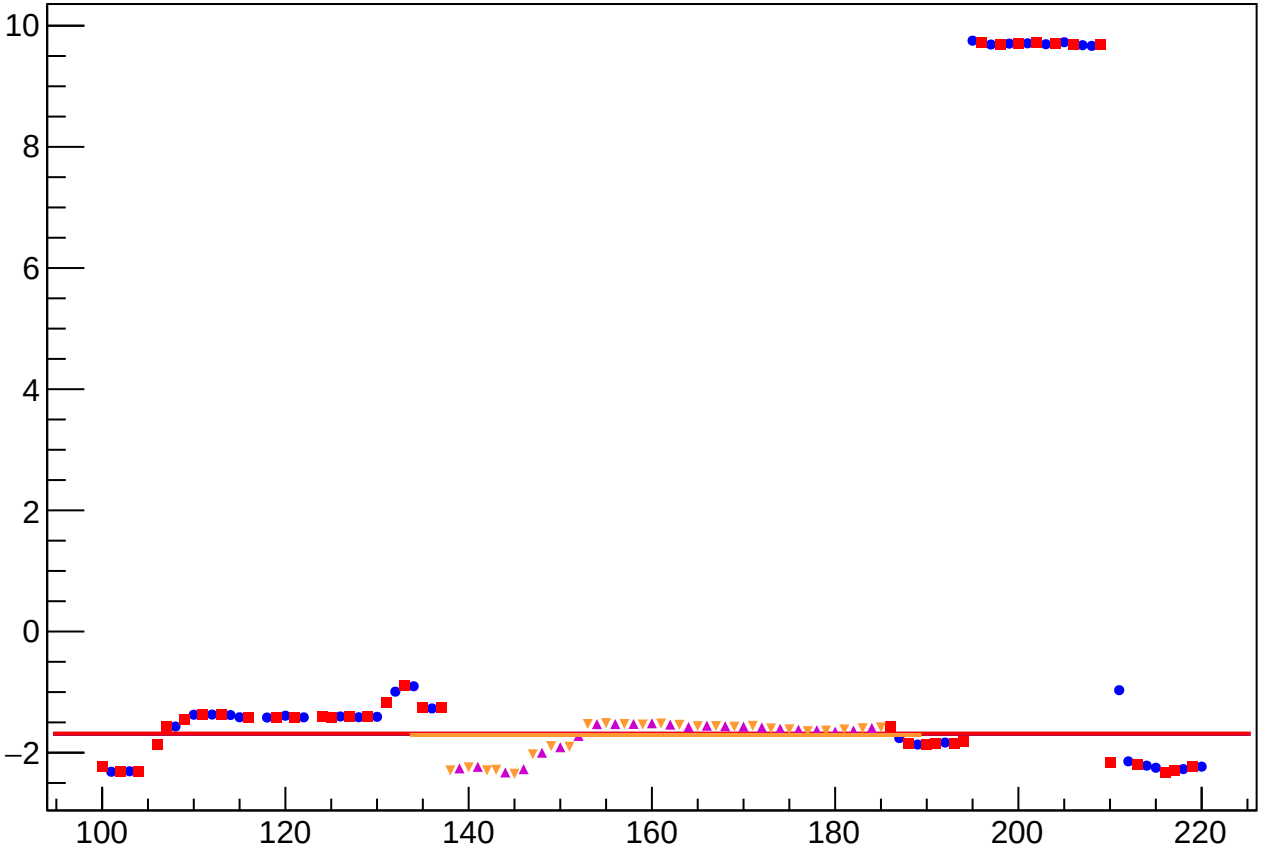
Right: 0.009+/-0.000 χ^2/NDF: 16583405.1/69

In: 0.008+/-0.000 χ^2/NDF:9531518.6/55

Out: 0.008+/-0.000 χ^2/NDF:8386887.1/61

All: 0.008+/-0.000 χ^2/NDF: 17921276.5/117

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.690+/-0.000 χ^2/NDF: 503134778149.5/32

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.686+/-0.000 χ^2/NDF: 477392960406.4/36

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

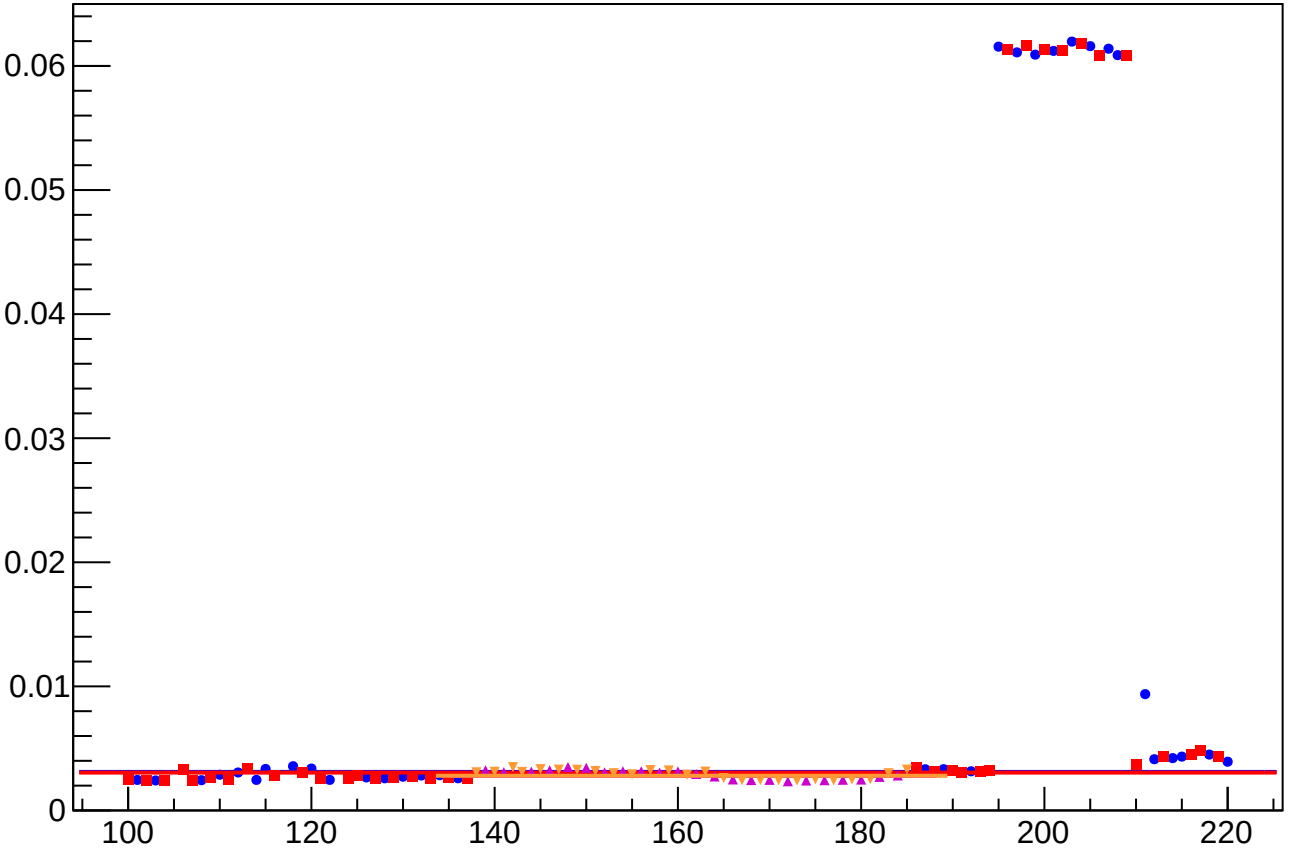
Right: -1.688+/-0.000 χ^2/NDF: 980536611850.8/69

In: -1.699+/-0.000 χ^2/NDF:639884885920.8/55

Out: -1.699+/-0.000 χ^2/NDF:629667982697.3/61

All: -1.699+/-0.000 χ^2/NDF: 1269553301725

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 13714397.6/32

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12301593.1/36

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

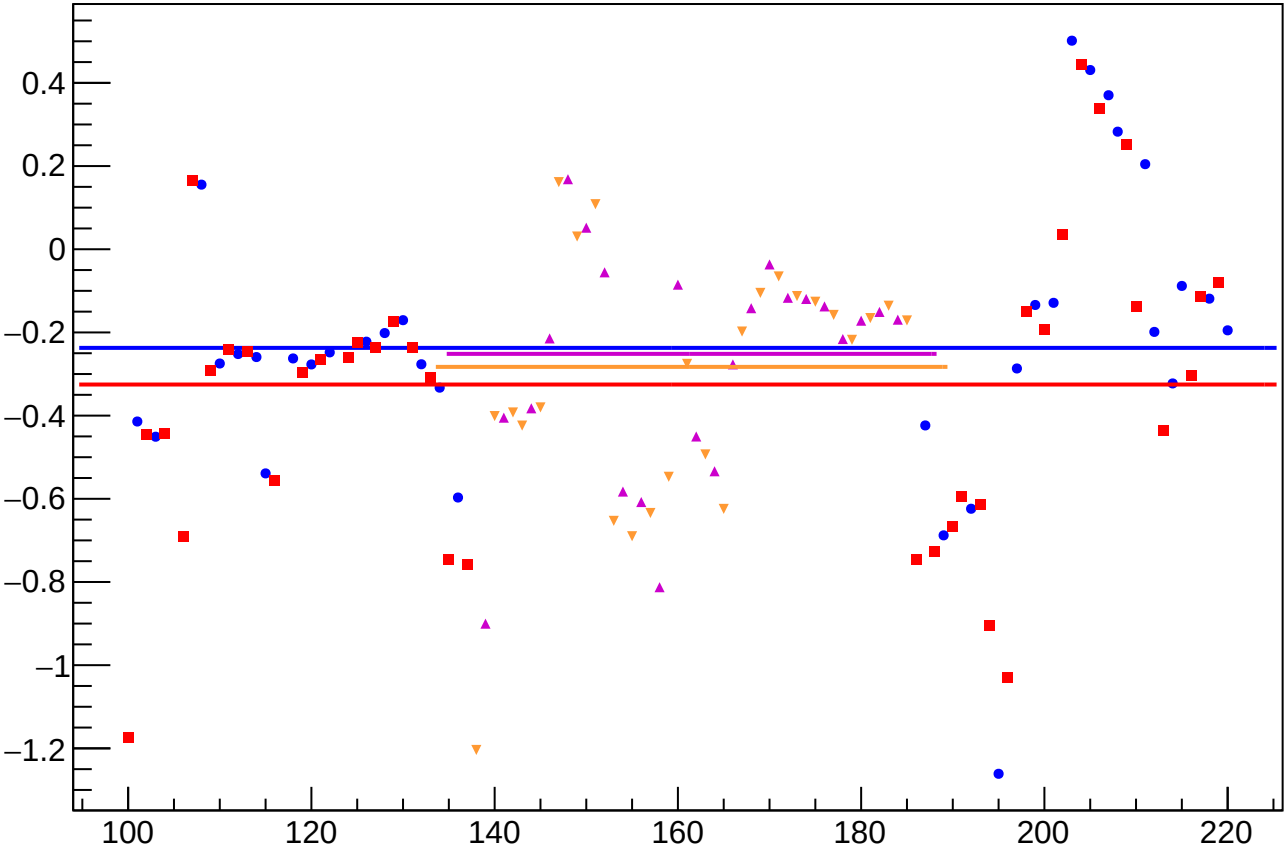
Right: 0.003+/-0.000 χ^2/NDF: 26020335.5/69

In: 0.003+/-0.000 χ^2/NDF:14443817.9/55

Out: 0.003+/-0.000 χ^2/NDF:12968582.4/61

All: 0.003+/-0.000 χ^2/NDF: 27412577.5/117

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.237+/-0.000 χ^2/NDF: 9802970461.0/32

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.325+/-0.000 χ^2/NDF: 10112606325.6/36

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

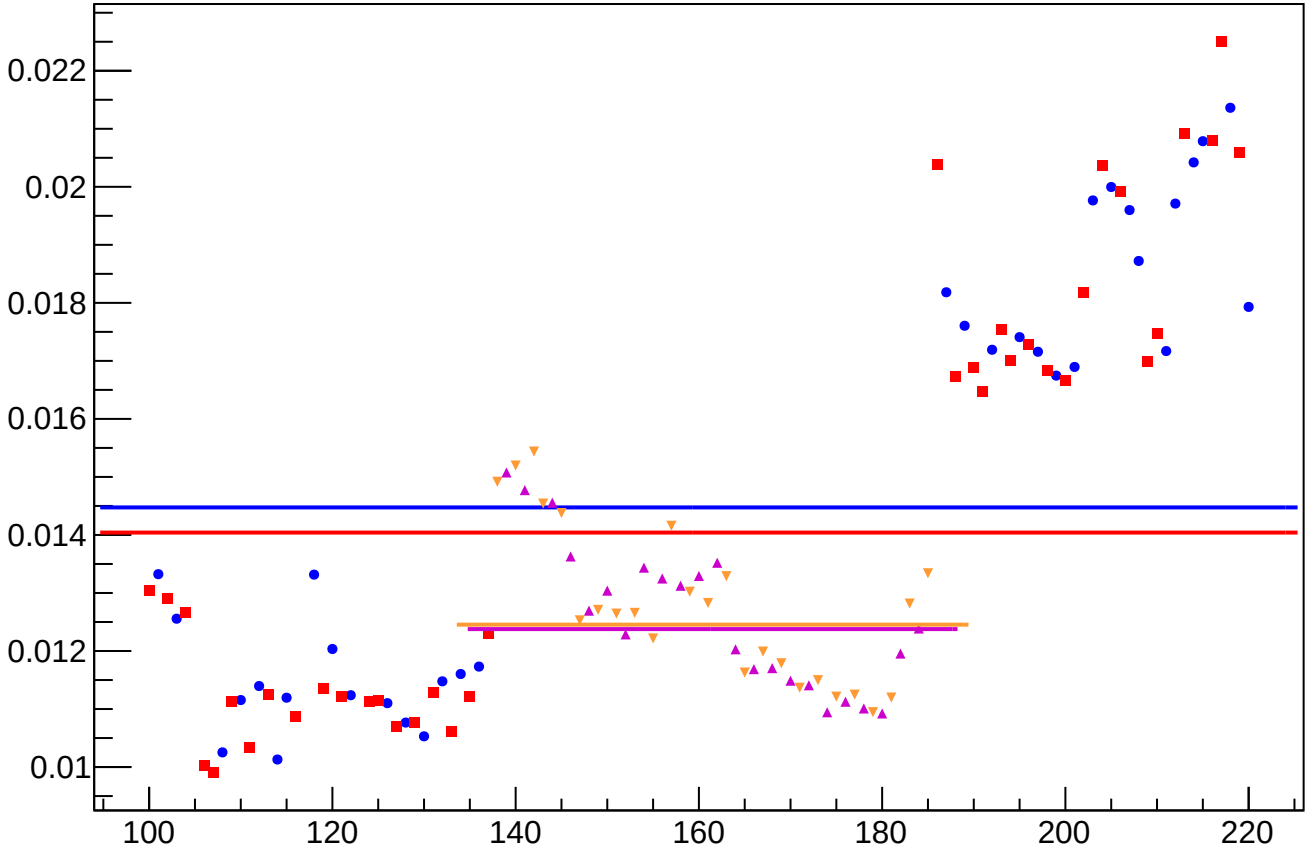
Right: -0.283+/-0.000 χ^2/NDF: 20283401010.4/69

In: -0.245+/-0.000 χ^2/NDF:16980825821.6/55

Out: -0.302+/-0.000 χ^2/NDF:19552701667.9/61

All: -0.274+/-0.000 χ^2/NDF: 36875410945.7/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 2385174.8/32

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2707703.2/36

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

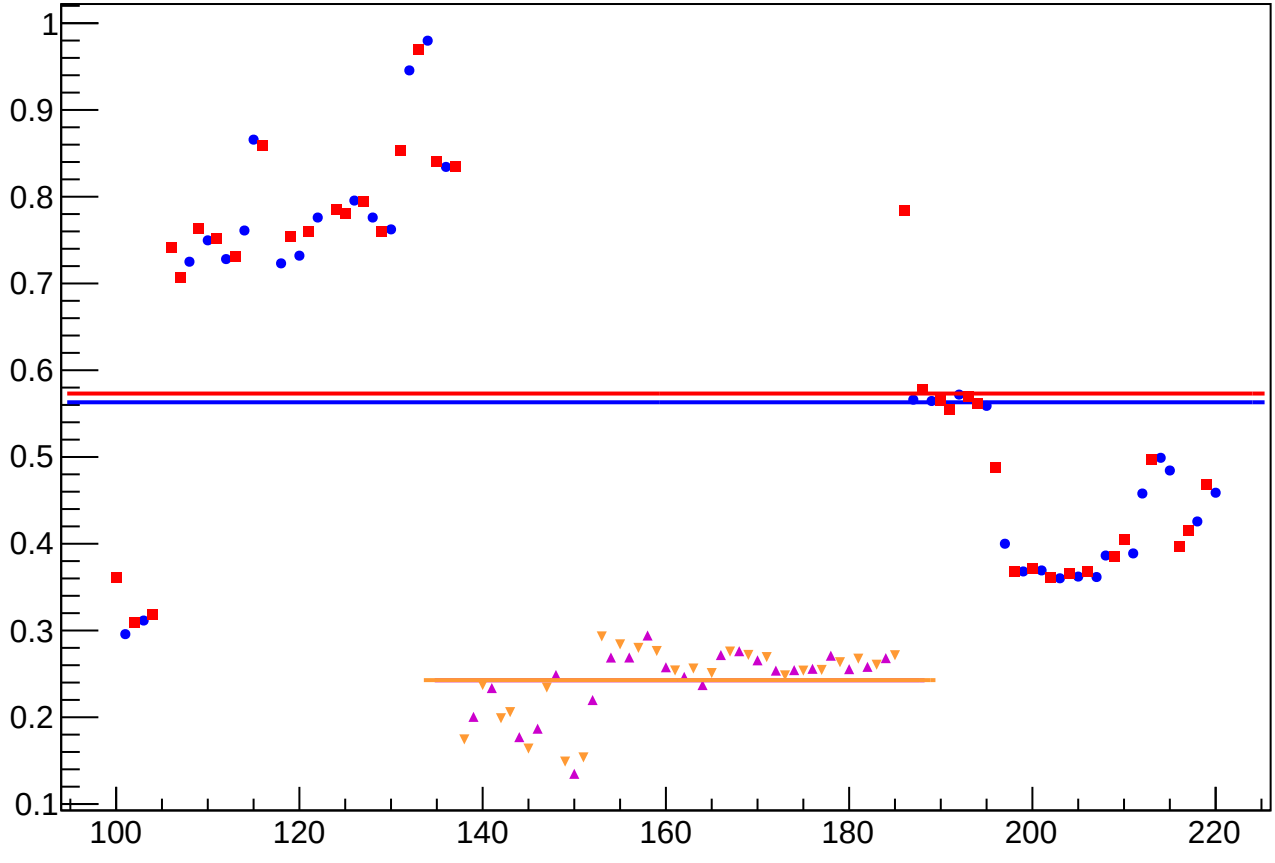
Right: 0.014+/-0.000 χ^2/NDF: 5110677.1/69

In: 0.013+/-0.000 χ^2/NDF:3155733.0/55

Out: 0.013+/-0.000 χ^2/NDF:3319400.2/61

All: 0.013+/-0.000 χ^2/NDF: 6479013.9/117

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.563+/-0.000 χ^2/NDF: 101052028334.8/32

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.573+/-0.000 χ^2/NDF: 97466053920.7/36

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

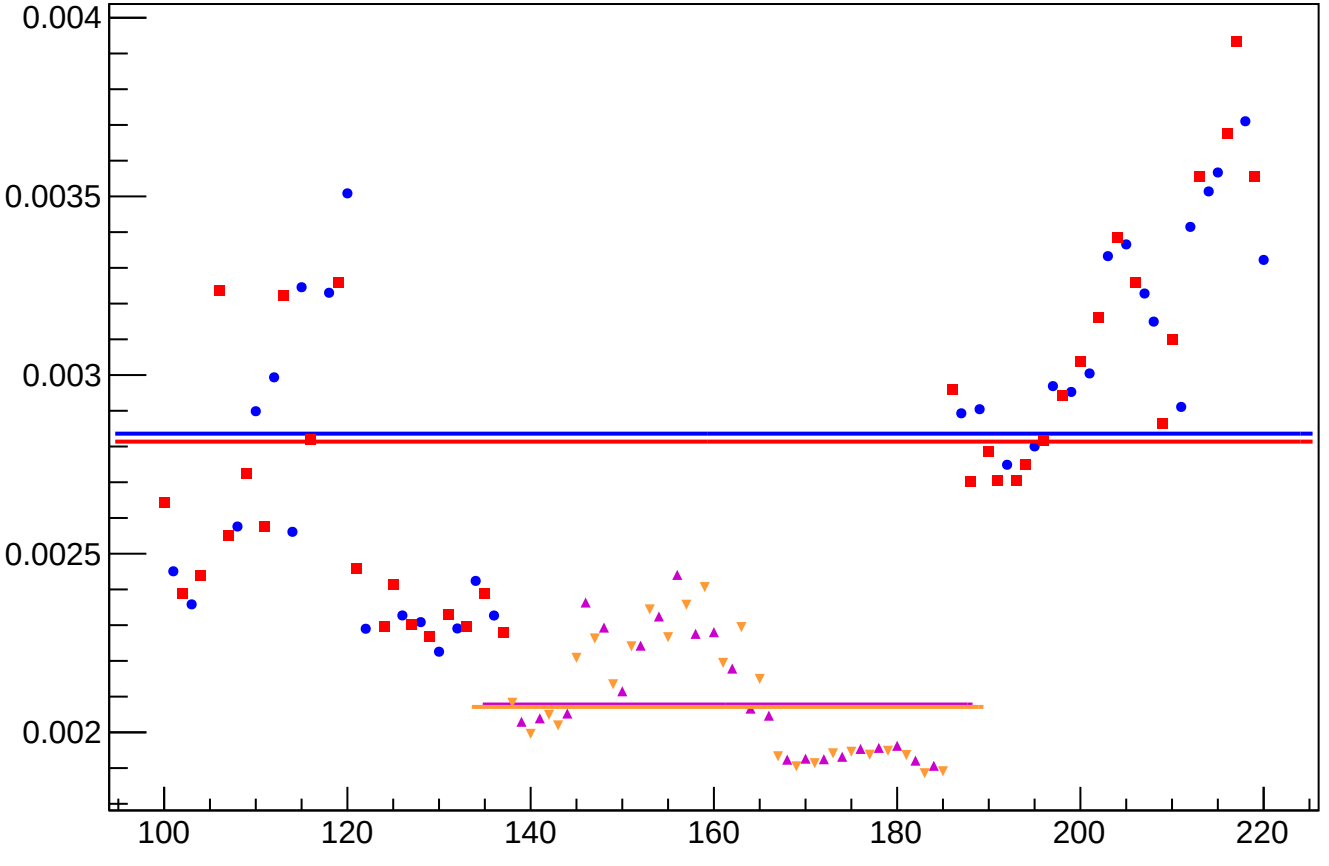
Right: 0.568+/-0.000 χ^2/NDF: 198645910065.5/69

In: 0.362+/-0.000 χ^2/NDF:266554824888.8/55

Out: 0.364+/-0.000 χ^2/NDF:282335051628.0/61

All: 0.363+/-0.000 χ^2/NDF: 548904706049.7

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 957154.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 902833.6/36

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

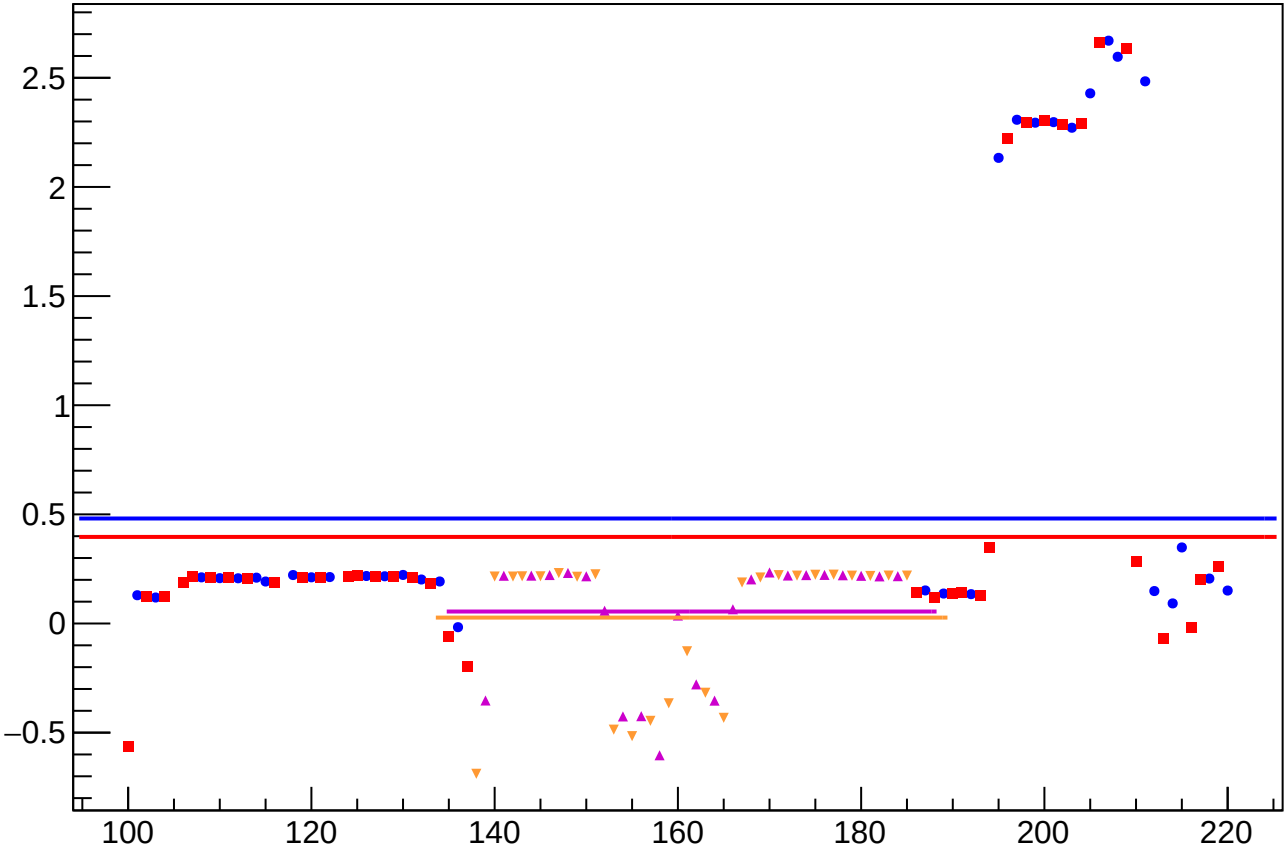
Right: 0.003+/-0.000 χ^2/NDF: 1861239.7/69

In: 0.002+/-0.000 χ^2/NDF:2956413.2/55

Out: 0.002+/-0.000 χ^2/NDF:2931015.3/61

All: 0.002+/-0.000 χ^2/NDF: 5889288.3/117

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.481+/-0.000 χ^2/NDF: 62330570452.1/32

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.397+/-0.000 χ^2/NDF: 55266241142.1/36

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

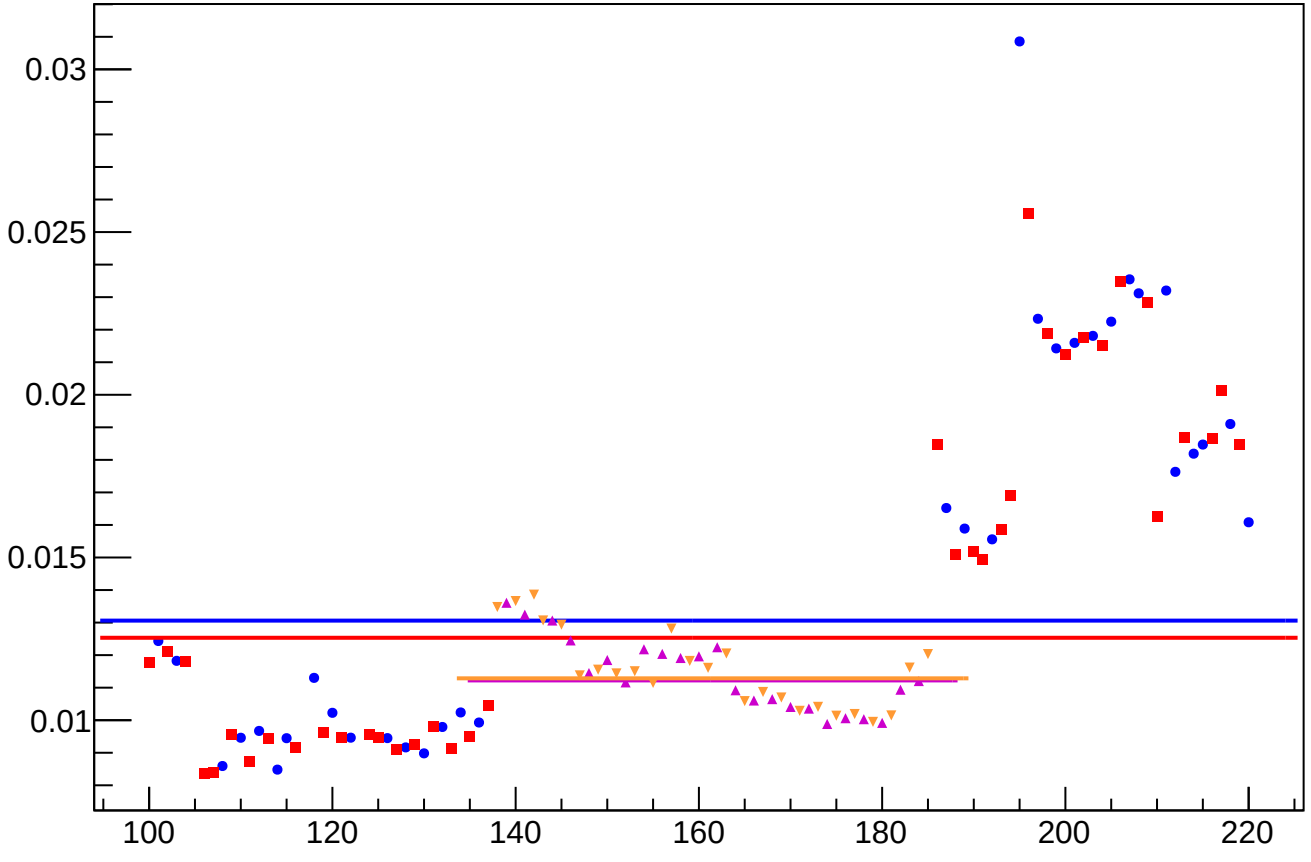
Right: 0.437+/-0.000 χ^2/NDF: 117989340891.8/69

In: 0.239+/-0.000 χ^2/NDF:82827188172.5/55

Out: 0.193+/-0.000 χ^2/NDF:77027695800.7/61

All: 0.215+/-0.000 χ^2/NDF: 160123322311.0

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 5223050.6/32

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 5109216.6/36

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

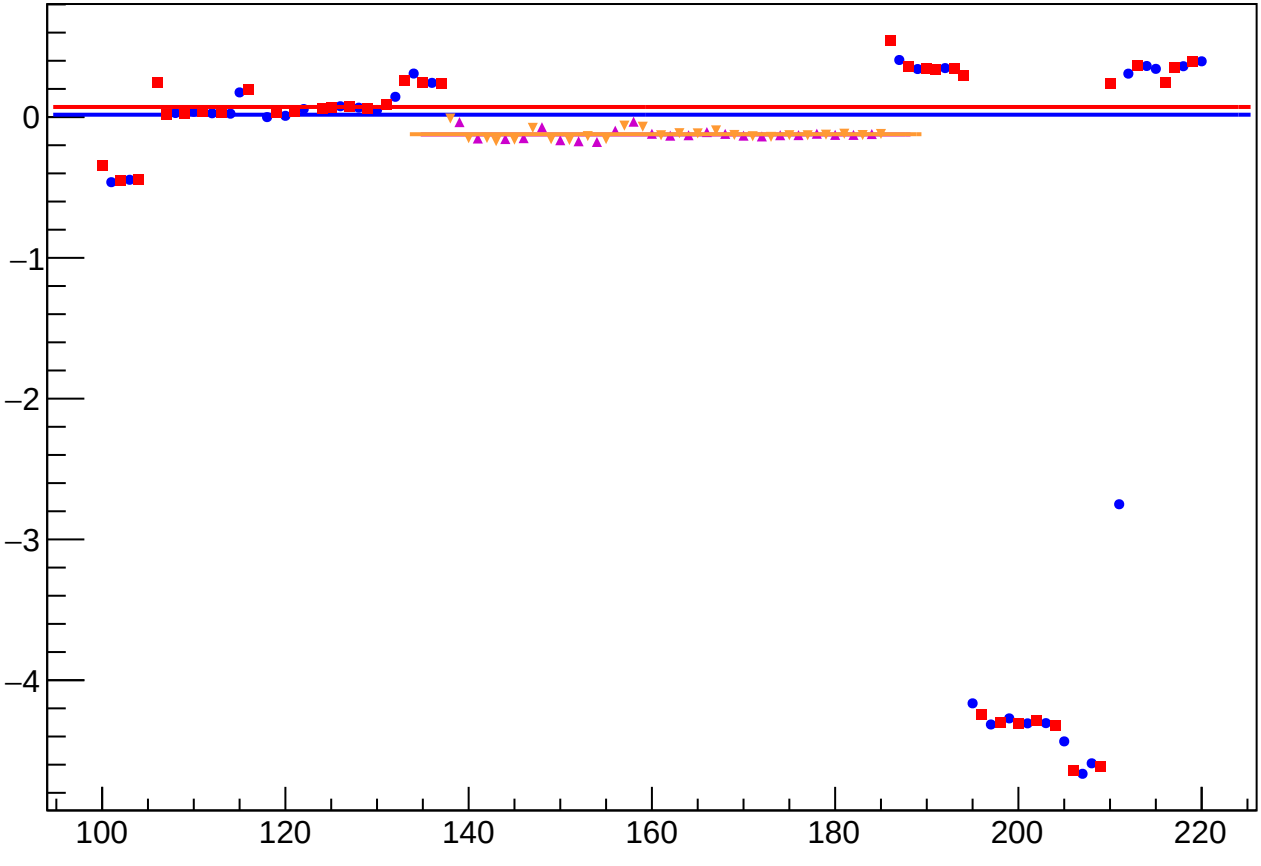
Right: 0.013+/-0.000 χ^2/NDF: 10362906.2/69

In: 0.012+/-0.000 χ^2/NDF:5939617.8/55

Out: 0.012+/-0.000 χ^2/NDF:5637335.4/61

All: 0.012+/-0.000 χ^2/NDF: 11584299.4/117

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 452363642679.3/32

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.072+/-0.000 χ^2/NDF: 407955891733.9/36

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

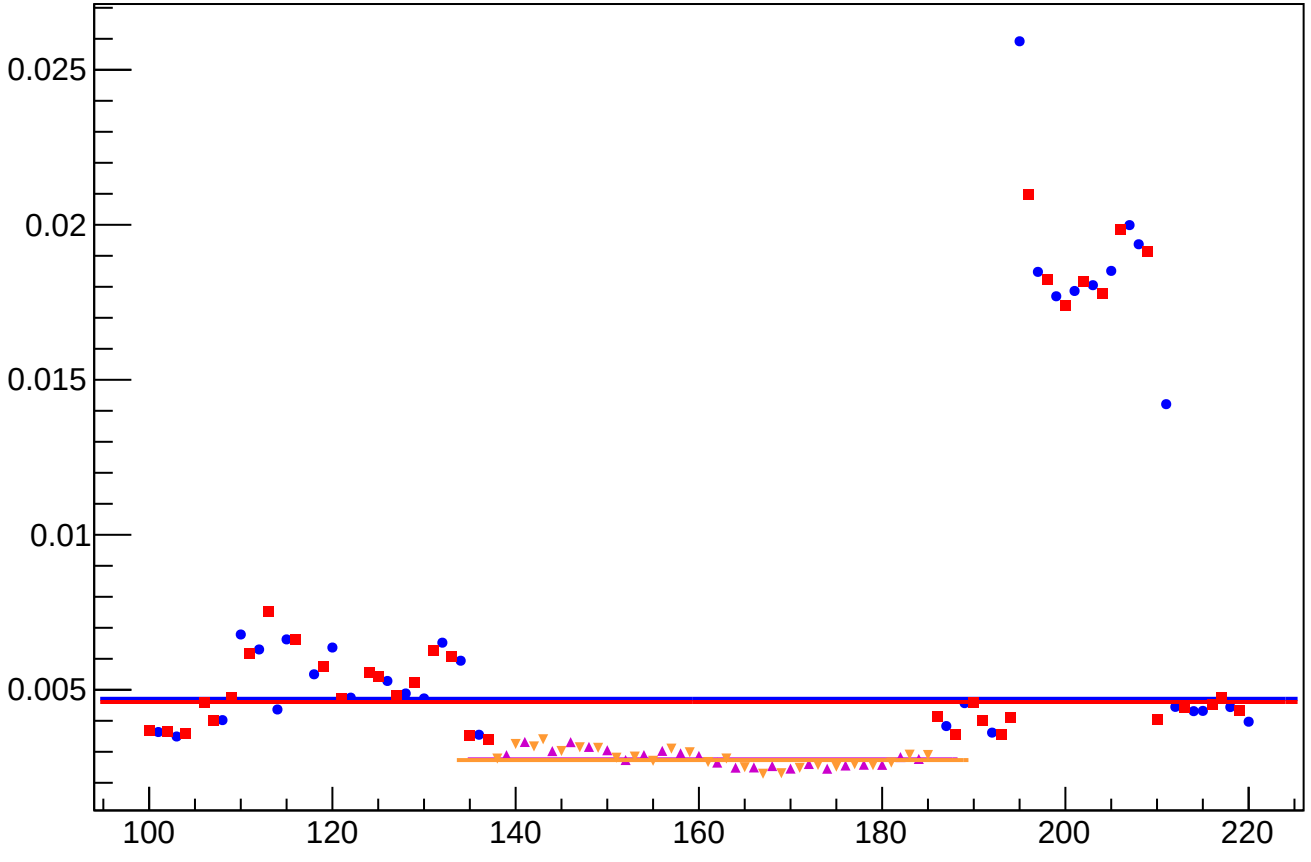
Right: 0.046+/-0.000 χ^2/NDF: 861397990584.7/69

In: -0.092+/-0.000 χ^2/NDF:465493325841.6/55

Out: -0.076+/-0.000 χ^2/NDF:432555163018.9/61

All: -0.084+/-0.000 χ^2/NDF: 898411287245.6

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 9420800.9/32

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8017535.8/36

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

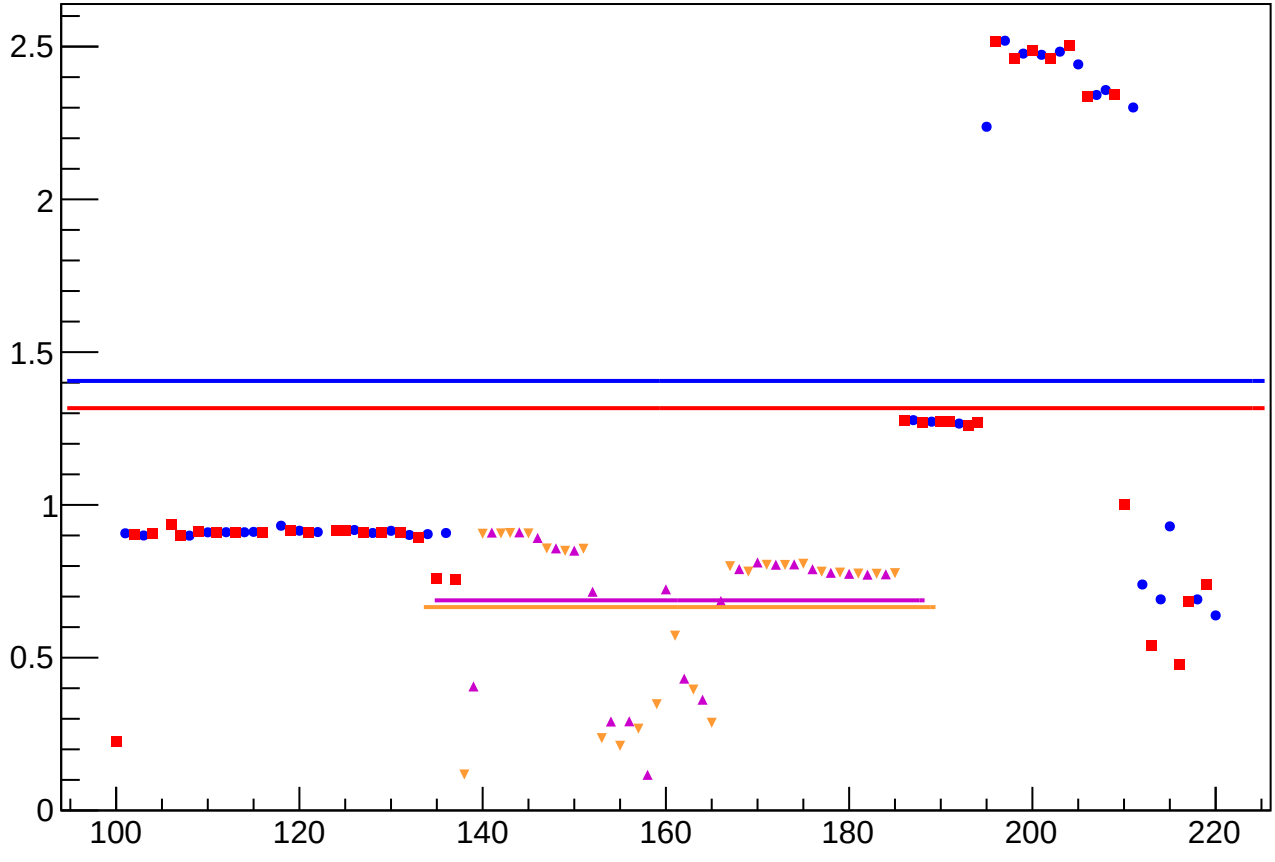
Right: 0.005+/-0.000 χ^2/NDF: 17445959.7/69

In: 0.003+/-0.000 χ^2/NDF:13707119.5/55

Out: 0.003+/-0.000 χ^2/NDF:12476381.2/61

All: 0.003+/-0.000 χ^2/NDF: 26186065.2/117

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.406+/-0.000 χ^2/NDF: 60335492745.1/32

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.317+/-0.000 χ^2/NDF: 57182723540.1/36

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

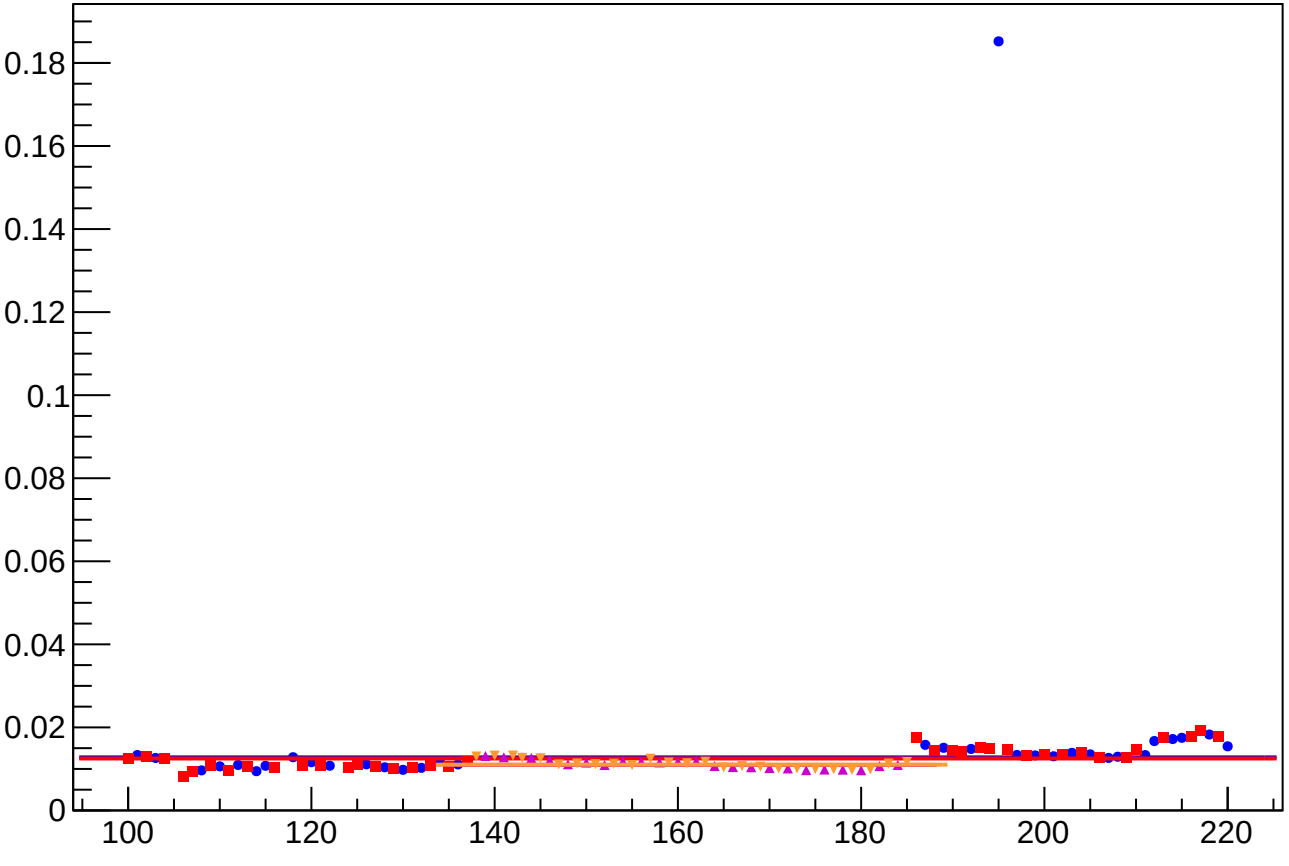
Right: 1.360+/-0.000 χ^2/NDF: 117995540021.5/69

In: 1.008+/-0.000 χ^2/NDF:100652872694.1/55

Out: 0.959+/-0.000 χ^2/NDF:95360498115.0/61

All: 0.983+/-0.000 χ^2/NDF: 196323989062.9

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2622824.9/32

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1506228.5/36

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

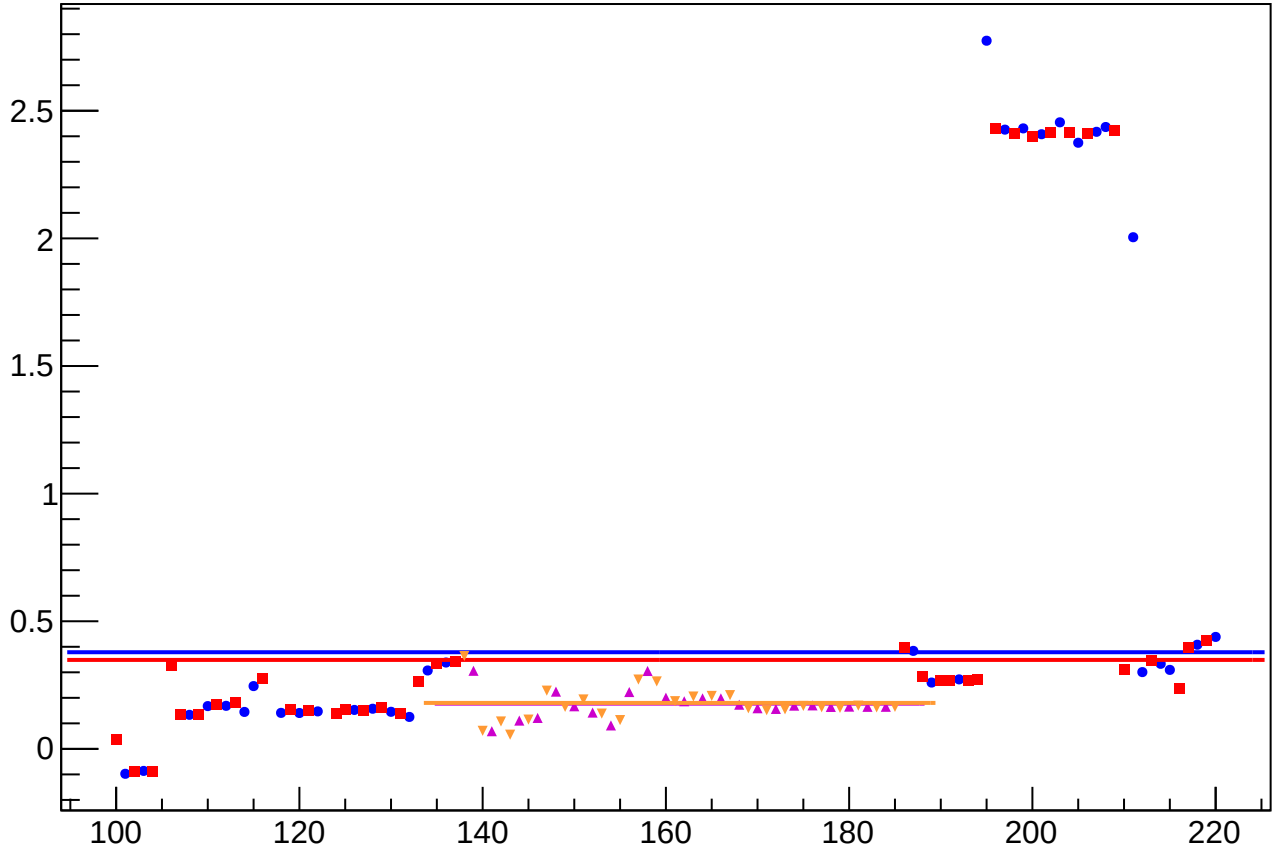
Right: 0.013+/-0.000 χ^2/NDF: 4137185.7/69

In: 0.012+/-0.000 χ^2/NDF:3335257.8/55

Out: 0.012+/-0.000 χ^2/NDF:2108630.9/61

All: 0.012+/-0.000 χ^2/NDF: 5445262.1/117

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.379+/-0.000 χ^2/NDF: 191753345591.9/32

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.349+/-0.000 χ^2/NDF: 164198897341.1/36

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

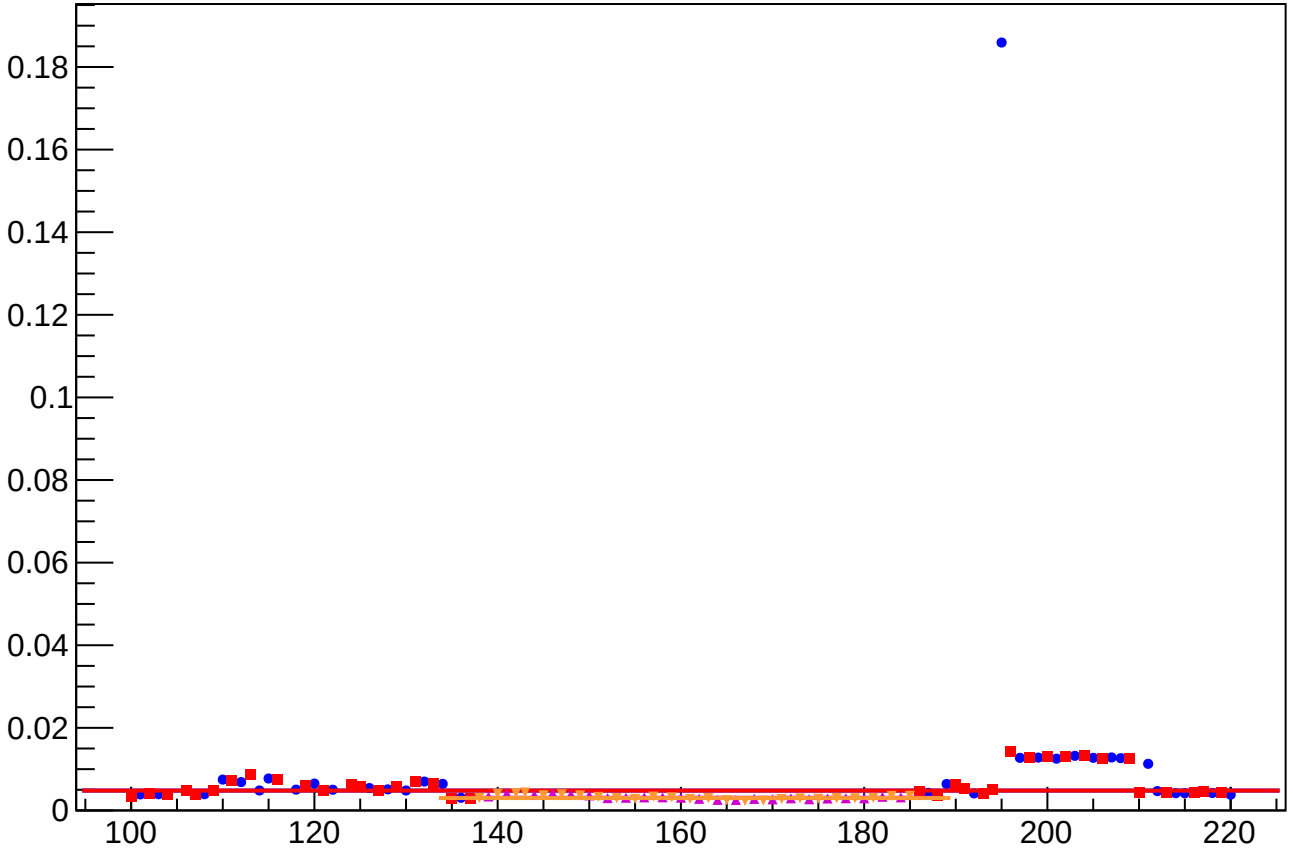
Right: 0.363+/-0.000 χ^2/NDF: 356261413947.3/69

In: 0.232+/-0.000 χ^2/NDF:216002129281.9/55

Out: 0.224+/-0.000 χ^2/NDF:185276207304.0/61

All: 0.228+/-0.000 χ^2/NDF: 401354593053.1

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 8103799.4/32

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6002298.1/36

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

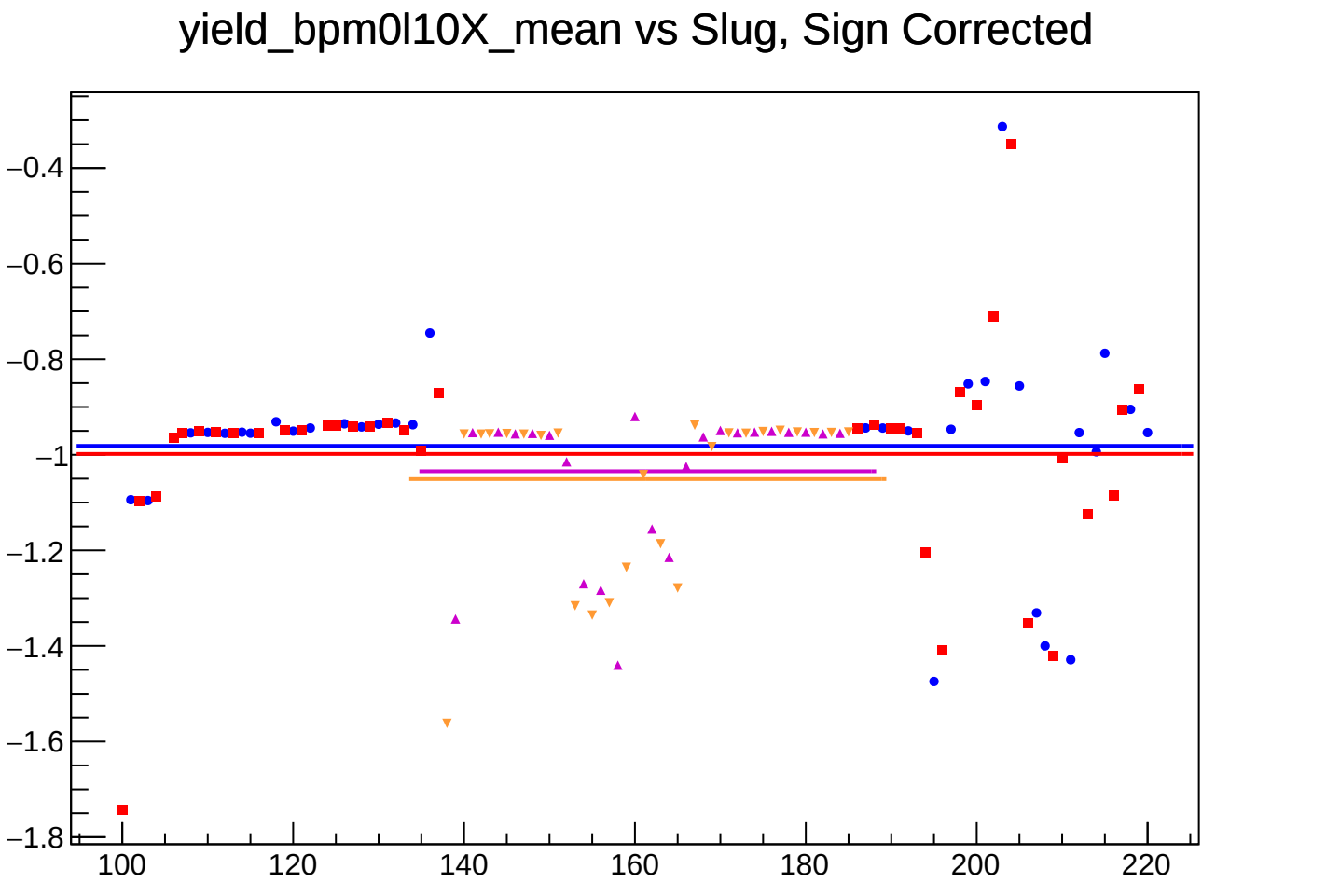
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

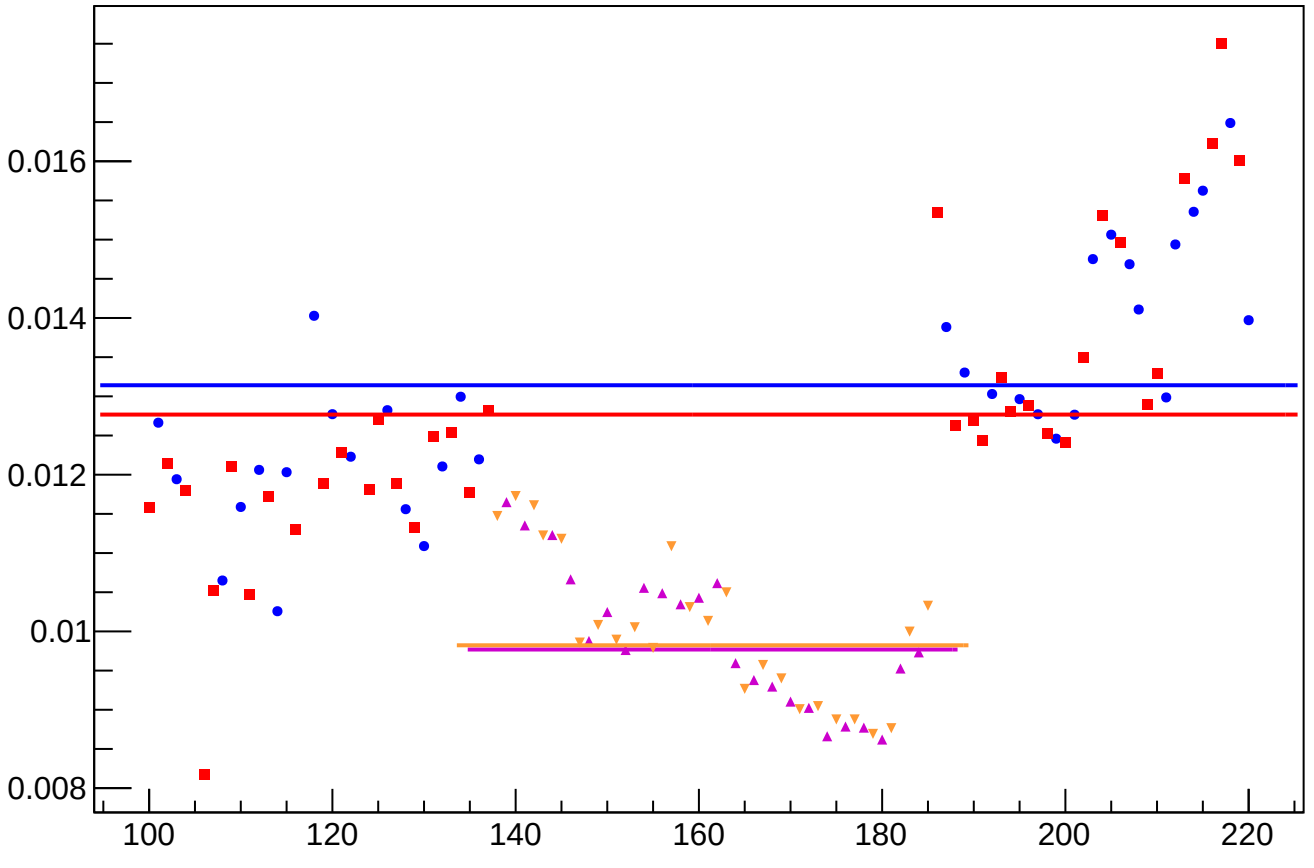
Right: 0.005+/-0.000 χ^2/NDF: 14106098.7/69

In: 0.004+/-0.000 χ^2/NDF:11622086.8/55

Out: 0.003+/-0.000 χ^2/NDF:10271396.3/61

All: 0.004+/-0.000 χ^2/NDF: 21905919.7/117


yield_bpm0l10X_mean vs Slug, Sign Corrected
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
120
140
160
180
200
220
Right In: -0.981+/-0.000 χ²/NDF: 5993603578.2/32
Left Out: -1.051+/-0.000 χ²/NDF:5082084184.4/24
Right Out: -0.998+/-0.000 χ²/NDF: 5179381002.9/36
Left In: -1.035+/-0.000 χ²/NDF:3925761523.9/22
Left: -1.043+/-0.000 χ²/NDF: 9032853026.0/47
Right: -0.990+/-0.000 χ²/NDF: 11190088657.8/69
In: -1.014+/-0.000 χ²/NDF:10120342097.2/55
Out: -1.030+/-0.000 χ²/NDF:10471193893.5/61
All: -1.022+/-0.000 χ²/NDF: 20631485003.7/



Right In: 0.013+/-0.000 χ^2/NDF: 437412.1/32

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.013+/-0.000 χ^2/NDF: 759464.0/36

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

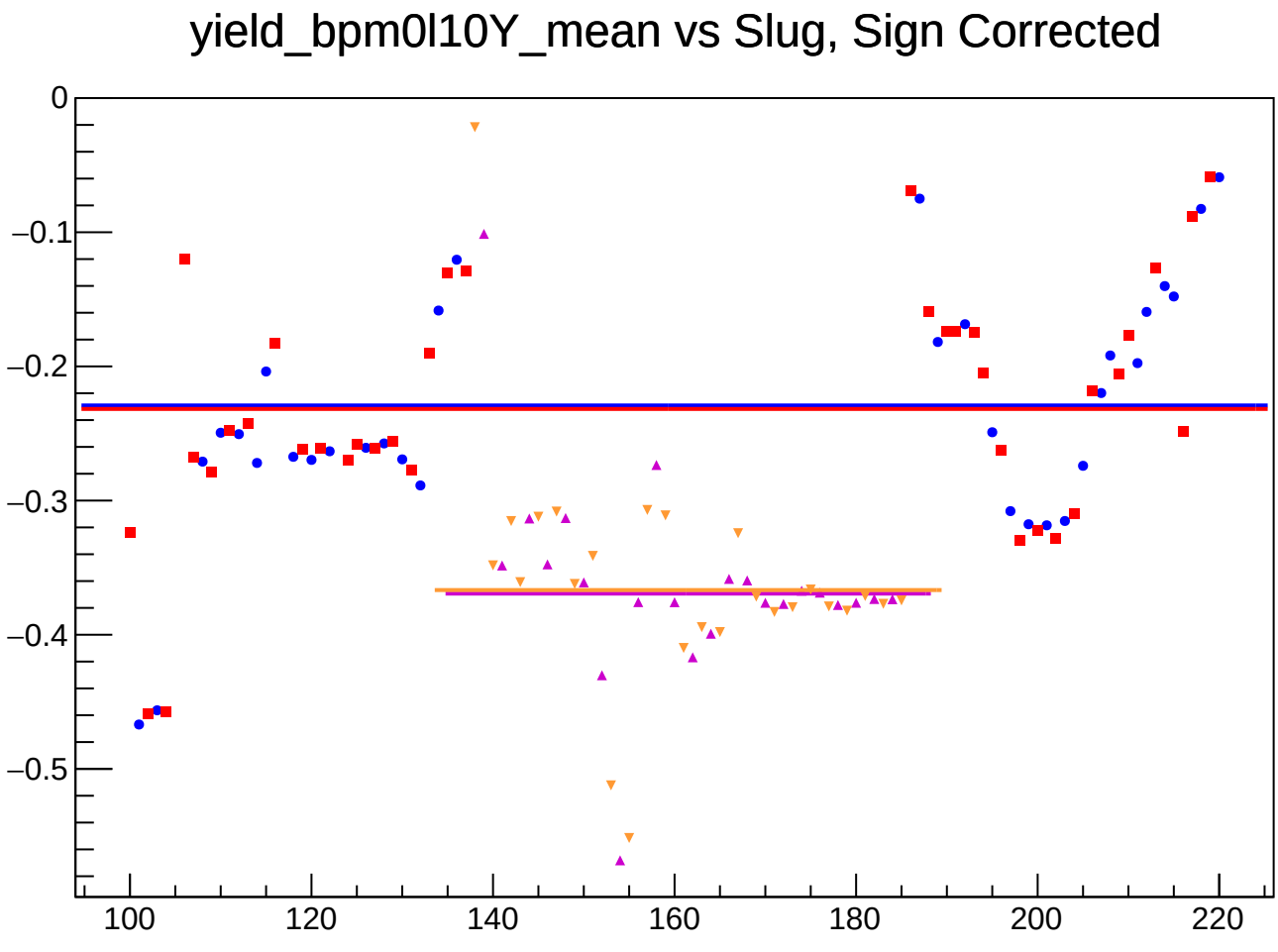
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.013+/-0.000 χ^2/NDF: 1213745.0/69

In: 0.011+/-0.000 χ^2/NDF:2336973.8/55

Out: 0.011+/-0.000 χ^2/NDF:2366031.7/61

All: 0.011+/-0.000 χ^2/NDF: 4705381.4/117



Right In: -0.229+/-0.000 χ^2/NDF: 13410970960.4/32

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.232+/-0.000 χ^2/NDF: 12442959100.0/36

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

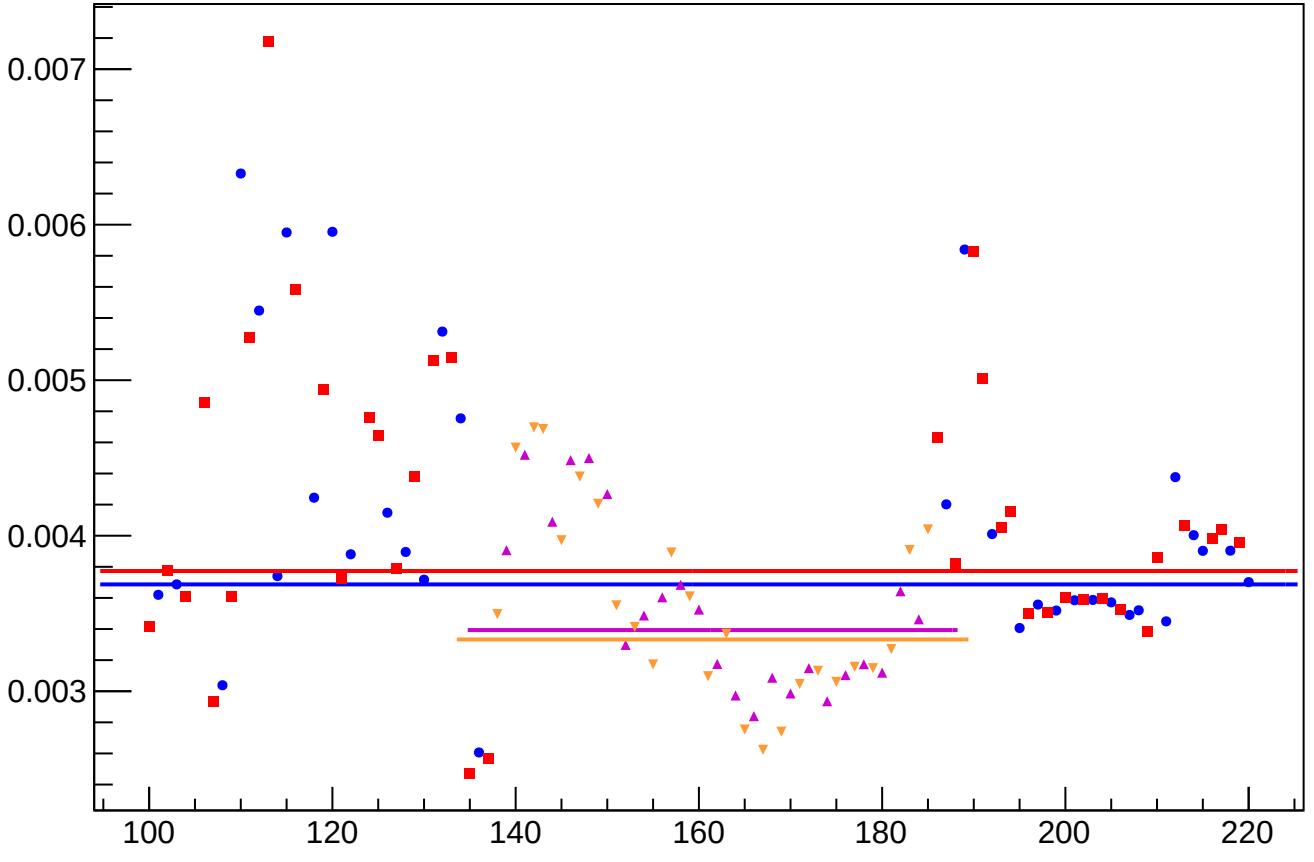
Right: -0.230+/-0.000 χ^2/NDF: 25858581847.3/69

In: -0.300+/-0.000 χ^2/NDF:34955362382.1/55

Out: -0.304+/-0.000 χ^2/NDF:37719334512.5/61

All: -0.302+/-0.000 χ^2/NDF: 72697590525.0/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 981994.5/32

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1139193.3/36

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

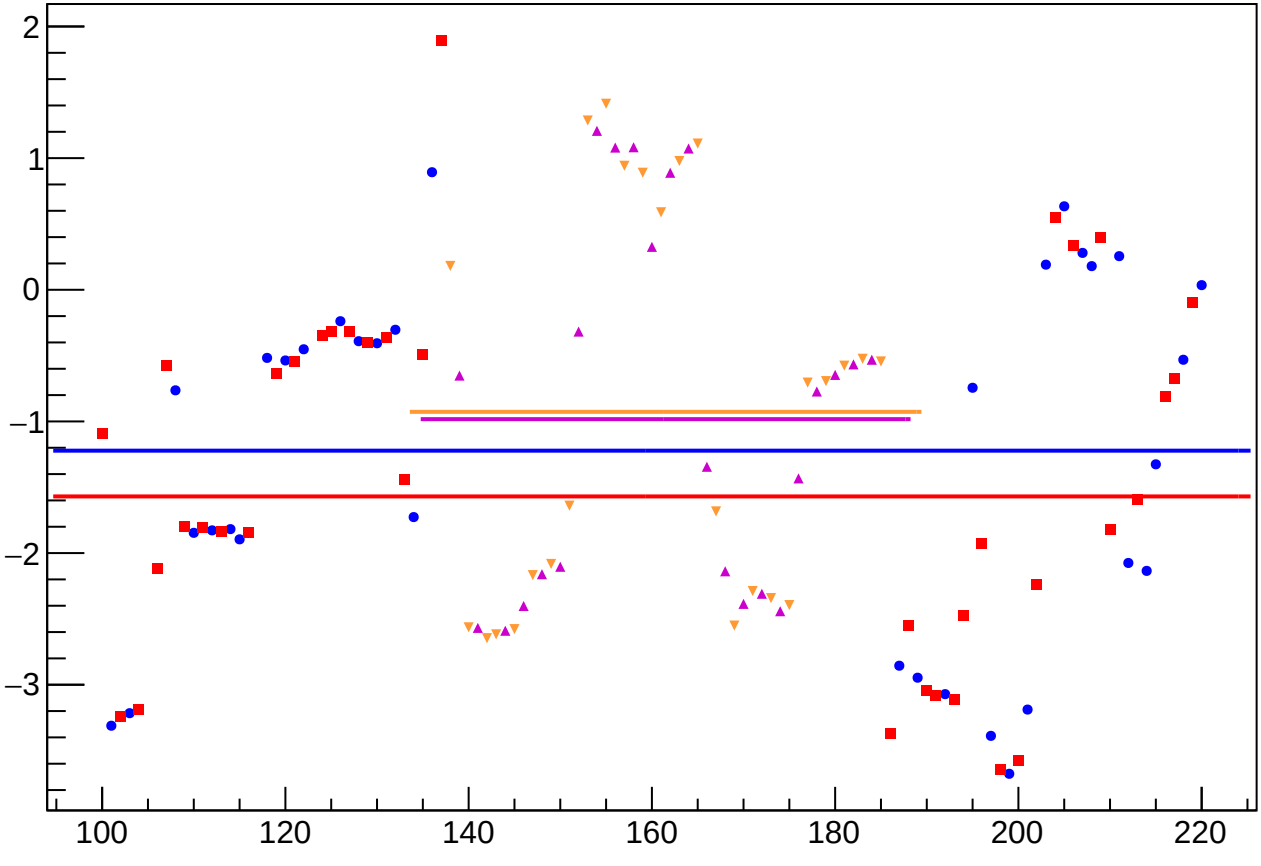
Right: 0.004+/-0.000 χ^2/NDF: 2131431.4/69

In: 0.004+/-0.000 χ^2/NDF:1738087.1/55

Out: 0.004+/-0.000 χ^2/NDF:2280573.3/61

All: 0.004+/-0.000 χ^2/NDF: 4018666.2/117

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.222+/-0.000 χ^2/NDF: 7356572193.3/32

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.570+/-0.000 χ^2/NDF: 6423556263.8/36

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

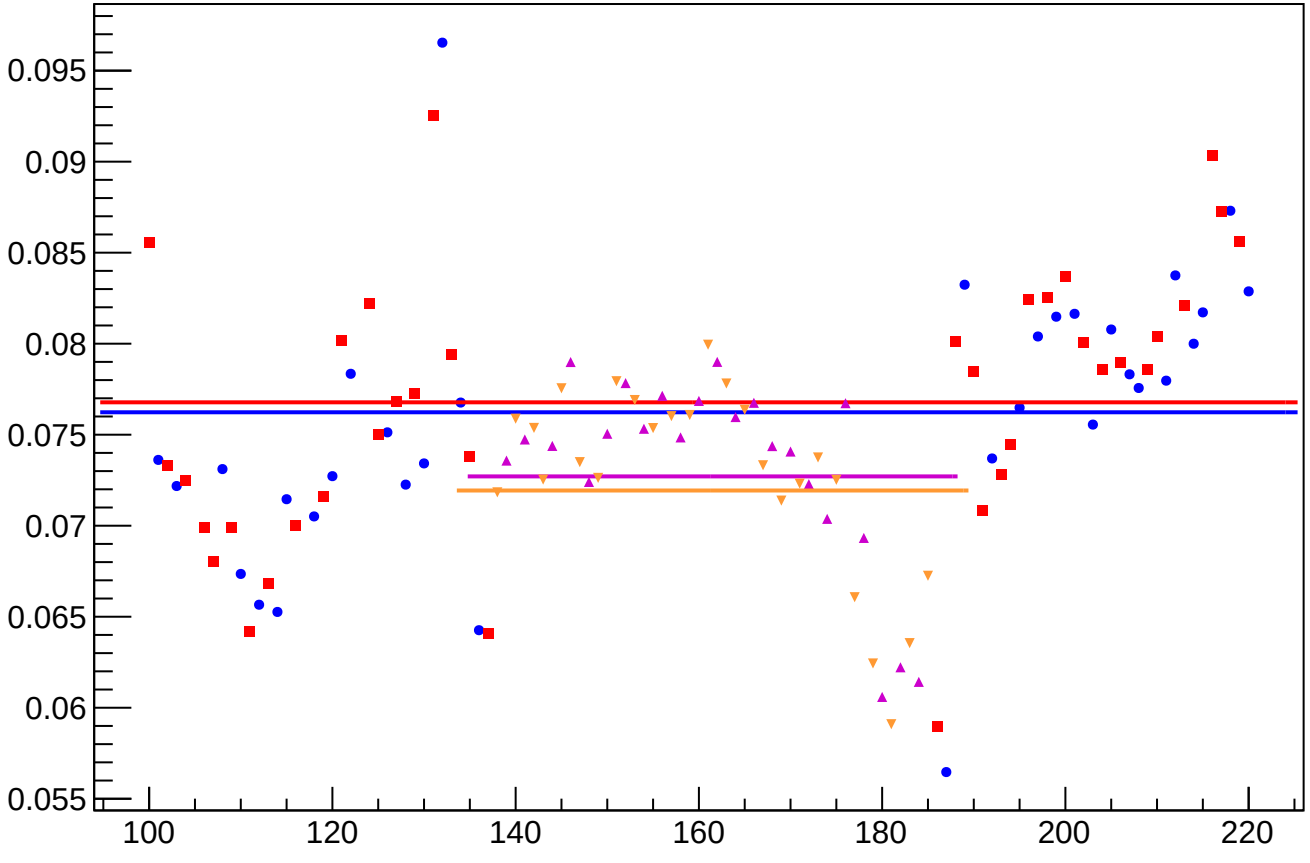
Right: -1.397+/-0.000 χ^2/NDF: 13995119707.4/69

In: -1.105+/-0.000 χ^2/NDF:13374713948.7/55

Out: -1.244+/-0.000 χ^2/NDF:14419791961.9/61

All: -1.176+/-0.000 χ^2/NDF: 27863186629.8/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.076+/-0.000 χ^2/NDF: 306067.7/32

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.077+/-0.000 χ^2/NDF: 348877.6/36

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

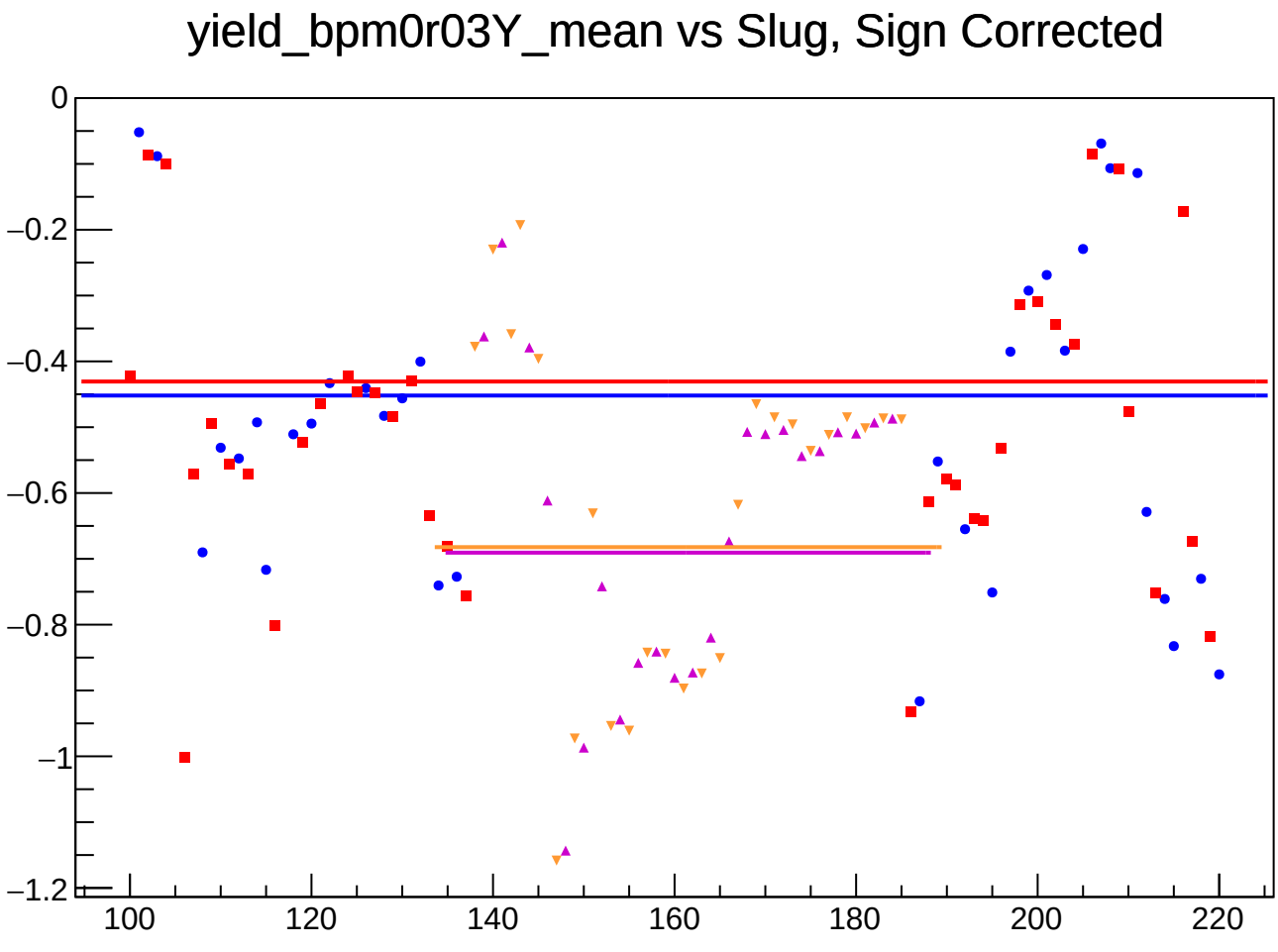
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.077+/-0.000 χ^2/NDF: 656010.2/69

In: 0.075+/-0.000 χ^2/NDF:546049.3/55

Out: 0.074+/-0.000 χ^2/NDF:669369.2/61

All: 0.074+/-0.000 χ^2/NDF: 1215656.3/117



Right In: -0.452+/-0.000 χ^2/NDF: 24419352759.2/32

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.431+/-0.000 χ^2/NDF: 15890396985.7/36

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

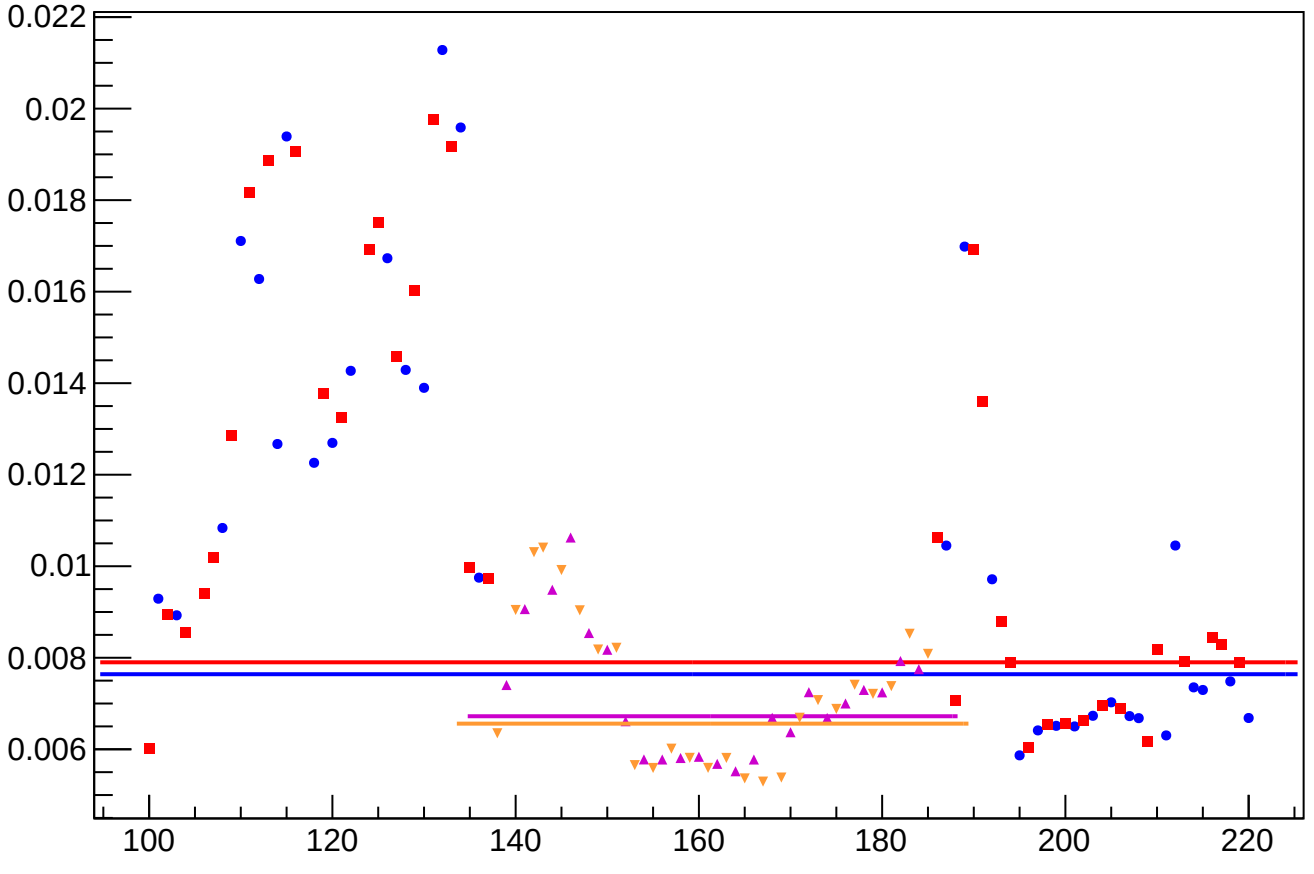
Right: -0.442+/-0.000 χ^2/NDF: 40377455224.8/69

In: -0.582+/-0.000 χ^2/NDF:50884540535.4/55

Out: -0.578+/-0.000 χ^2/NDF:48419539781.6/61

All: -0.580+/-0.000 χ^2/NDF: 99308995771.2/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3231535.8/32

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3266763.0/36

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

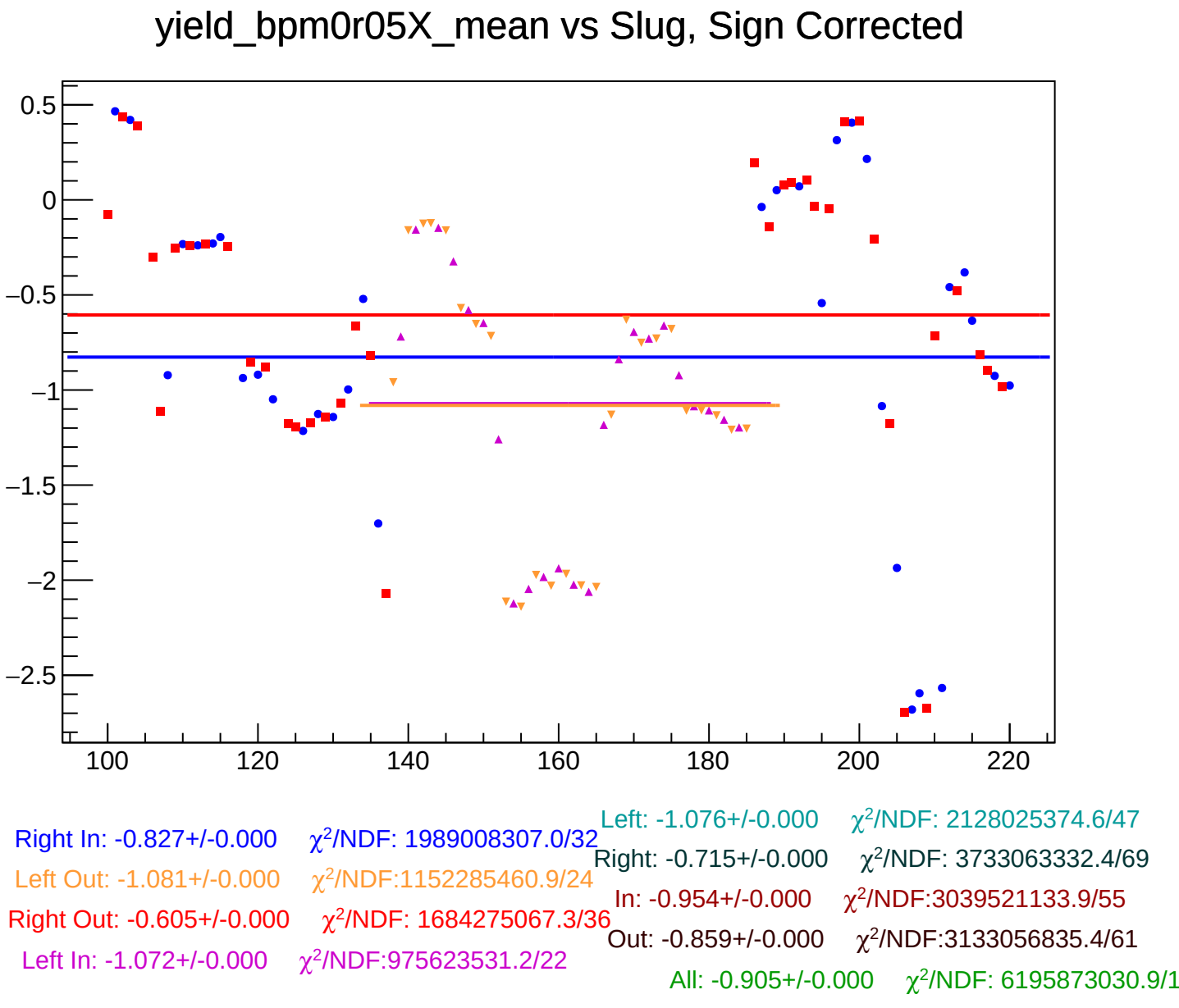
Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

Right: 0.008+/-0.000 χ^2/NDF: 6518561.5/69

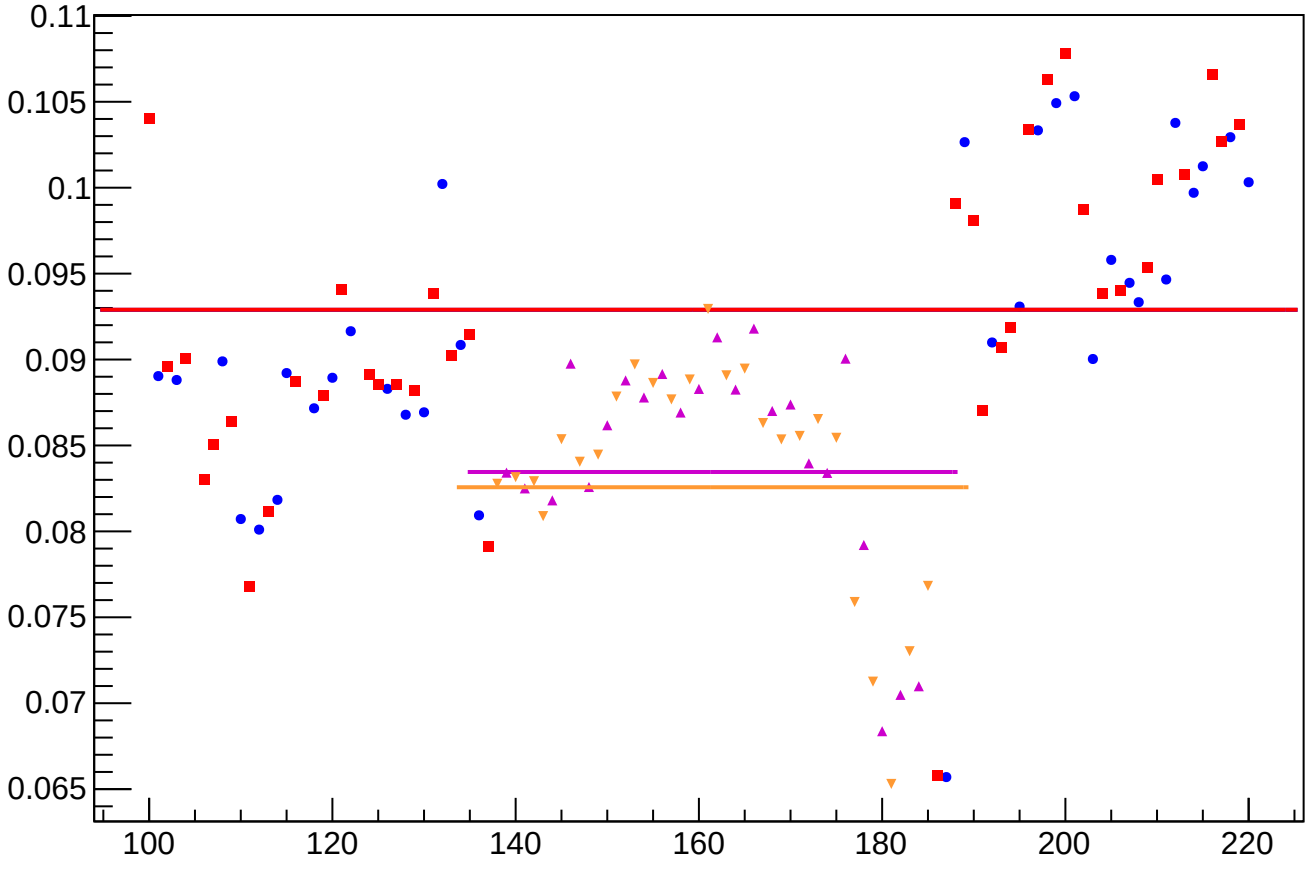
In: 0.007+/-0.000 χ^2/NDF:4476501.4/55

Out: 0.007+/-0.000 χ^2/NDF:5278733.1/61

All: 0.007+/-0.000 χ^2/NDF: 9755662.7/117


yield_bpm0r05X_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
220
Right In: -0.827+/-0.000 χ²/NDF: 1989008307.0/32
Left Out: -1.081+/-0.000 χ²/NDF:1152285460.9/24
Right Out: -0.605+/-0.000 χ²/NDF: 1684275067.3/36
Left In: -1.072+/-0.000 χ²/NDF:975623531.2/22
Left: -1.076+/-0.000 χ²/NDF: 2128025374.6/47
Right: -0.715+/-0.000 χ²/NDF: 3733063332.4/69
In: -0.954+/-0.000 χ²/NDF:3039521133.9/55
Out: -0.859+/-0.000 χ²/NDF:3133056835.4/61
All: -0.905+/-0.000 χ²/NDF: 6195873030.9/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.093+/-0.000 χ^2/NDF: 321187.8/32

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.093+/-0.000 χ^2/NDF: 425221.8/36

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

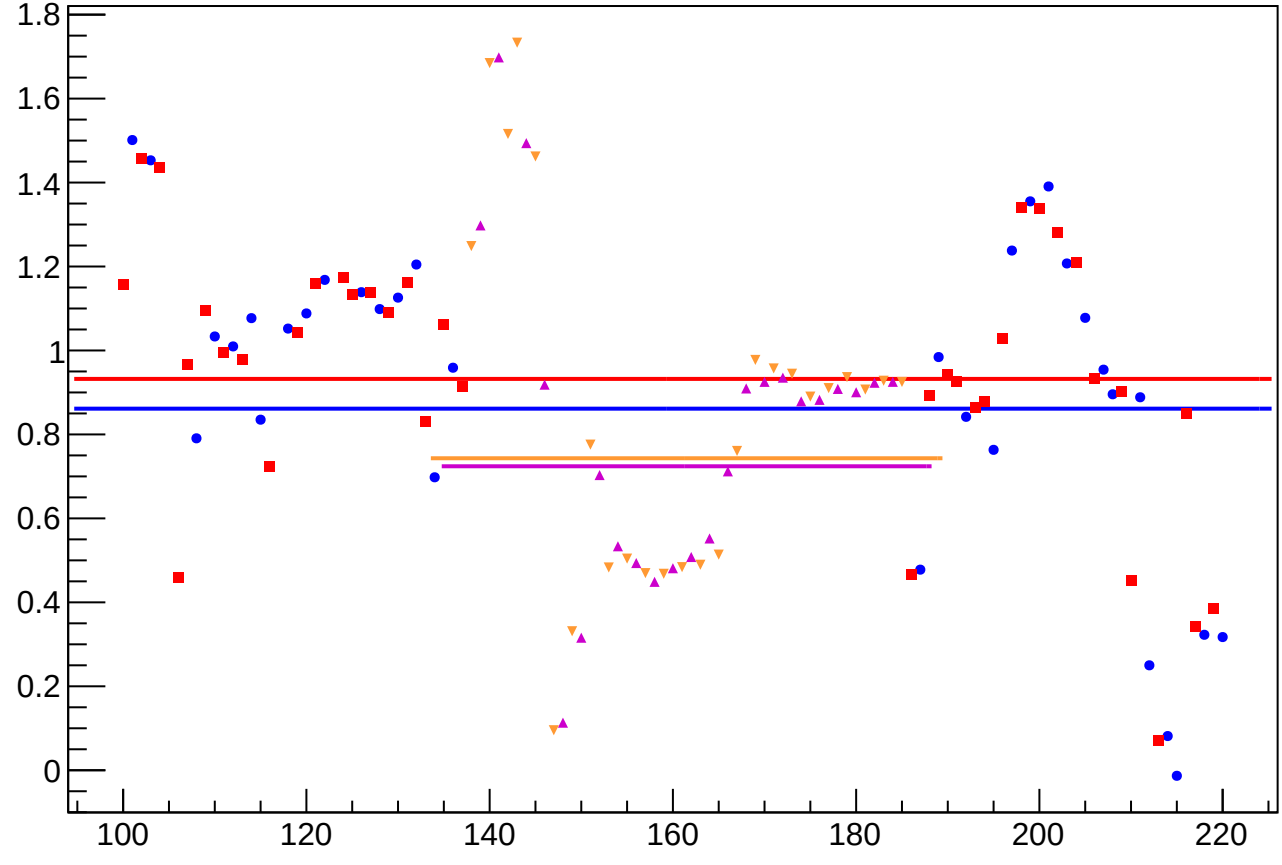
Right: 0.093+/-0.000 χ^2/NDF: 746409.7/69

In: 0.088+/-0.000 χ^2/NDF:782155.7/55

Out: 0.087+/-0.000 χ^2/NDF:996104.8/61

All: 0.088+/-0.000 χ^2/NDF: 1780101.1/117

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 0.861+/-0.000 χ^2/NDF: 27932997526.1/32

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.932+/-0.000 χ^2/NDF: 17932029082.3/36

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

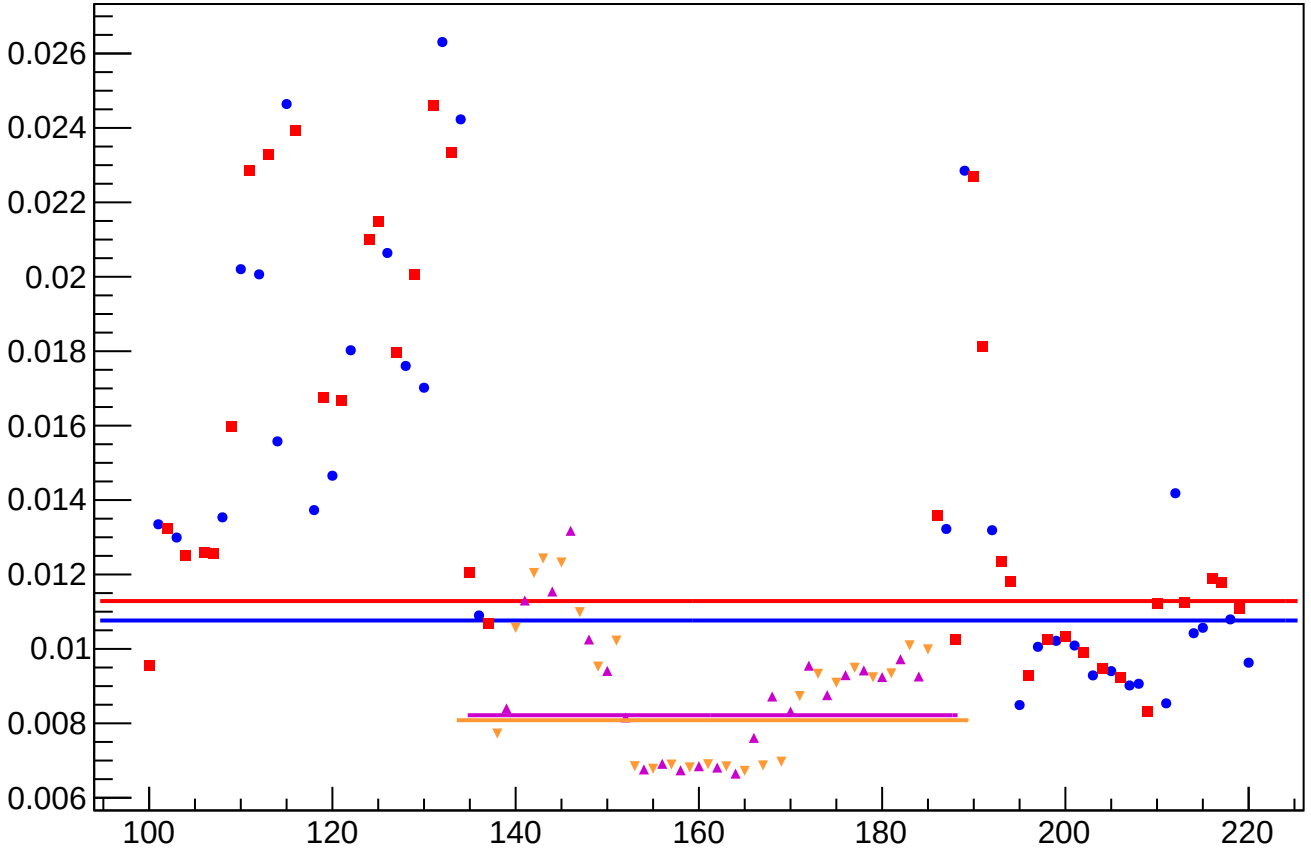
Right: 0.895+/-0.000 χ^2/NDF: 46246871865.3/69

In: 0.778+/-0.000 χ^2/NDF:55414481189.6/55

Out: 0.809+/-0.000 χ^2/NDF:53893161218.6/61

All: 0.794+/-0.000 χ^2/NDF: 109508590709.3

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2424175.7/32

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2464288.7/36

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

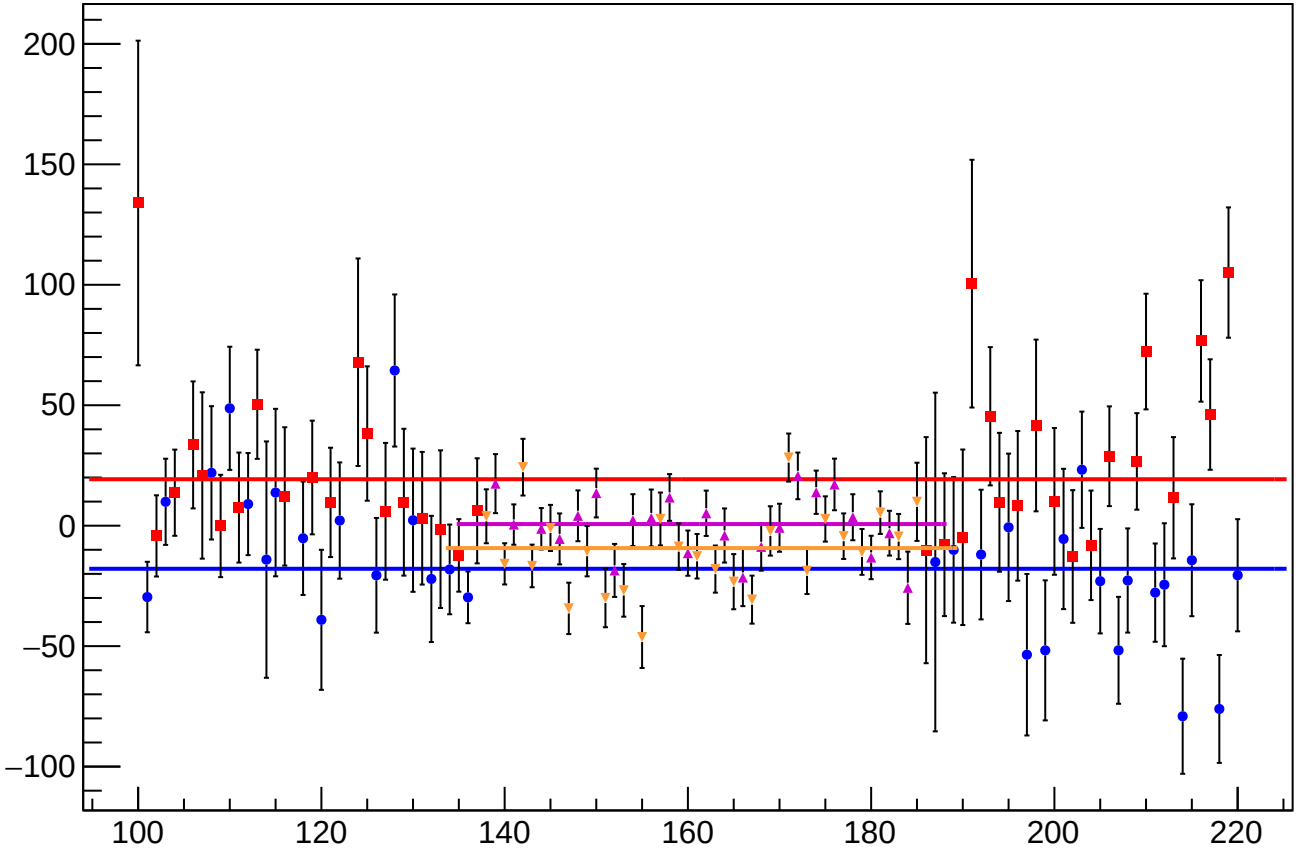
Right: 0.011+/-0.000 χ^2/NDF: 4929941.5/69

In: 0.009+/-0.000 χ^2/NDF:4809100.3/55

Out: 0.009+/-0.000 χ^2/NDF:5810247.0/61

All: 0.009+/-0.000 χ^2/NDF: 10619437.8/117

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -17.885+/-4.012 χ^2/NDF: 46.5/32

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 19.288+/-4.175 χ^2/NDF: 46.5/36

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

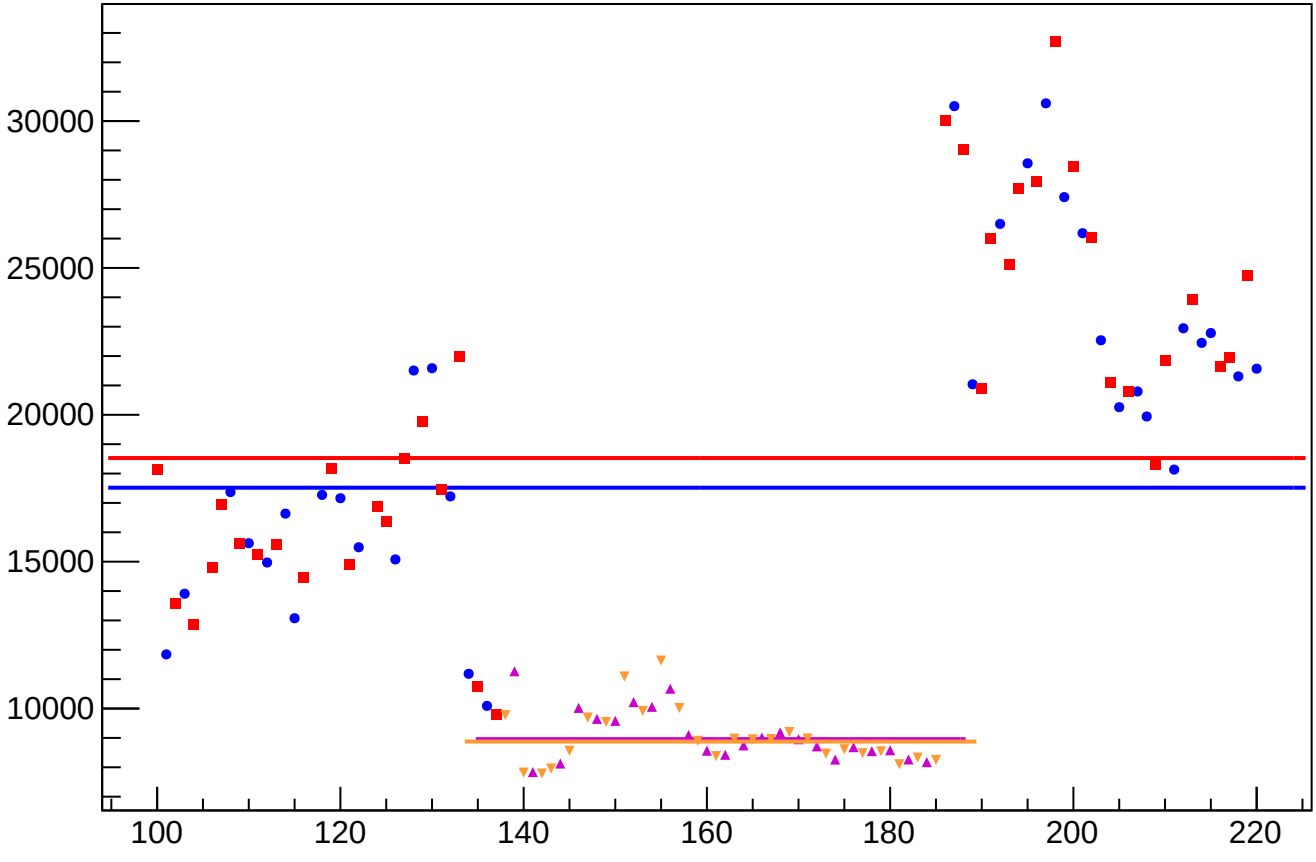
Right: -0.038+/-2.893 χ^2/NDF: 134.2/69

In: -3.328+/-1.863 χ^2/NDF:92.7/55

Out: -3.824+/-1.826 χ^2/NDF:145.5/61

All: -3.581+/-1.304 χ^2/NDF: 238.3/117

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 17518.440+/-2.837 χ^2/NDF: 3626930.9/32

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18528.094+/-2.952 χ^2/NDF: 3472044.6/36

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

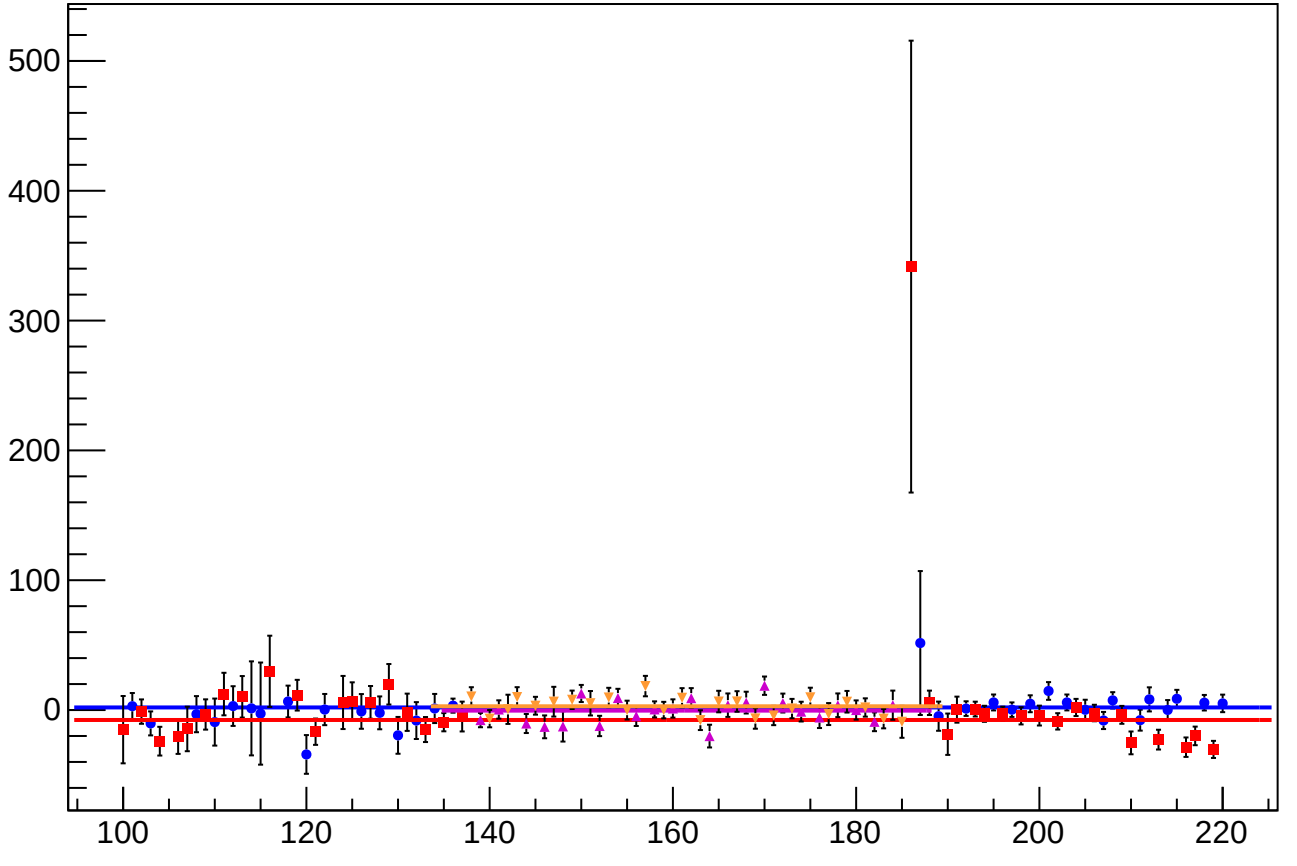
Right: 18003.193+/-2.046 χ^2/NDF: 7159781.1/69

In: 10805.081+/-1.318 χ^2/NDF:11067915.1/55

Out: 10722.076+/-1.291 χ^2/NDF:12463962.8/61

All: 10762.737+/-0.922 χ^2/NDF: 23533902.3

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.991+/-1.463 χ^2/NDF: 23.8/32

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -7.669+/-1.467 χ^2/NDF: 63.4/36

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

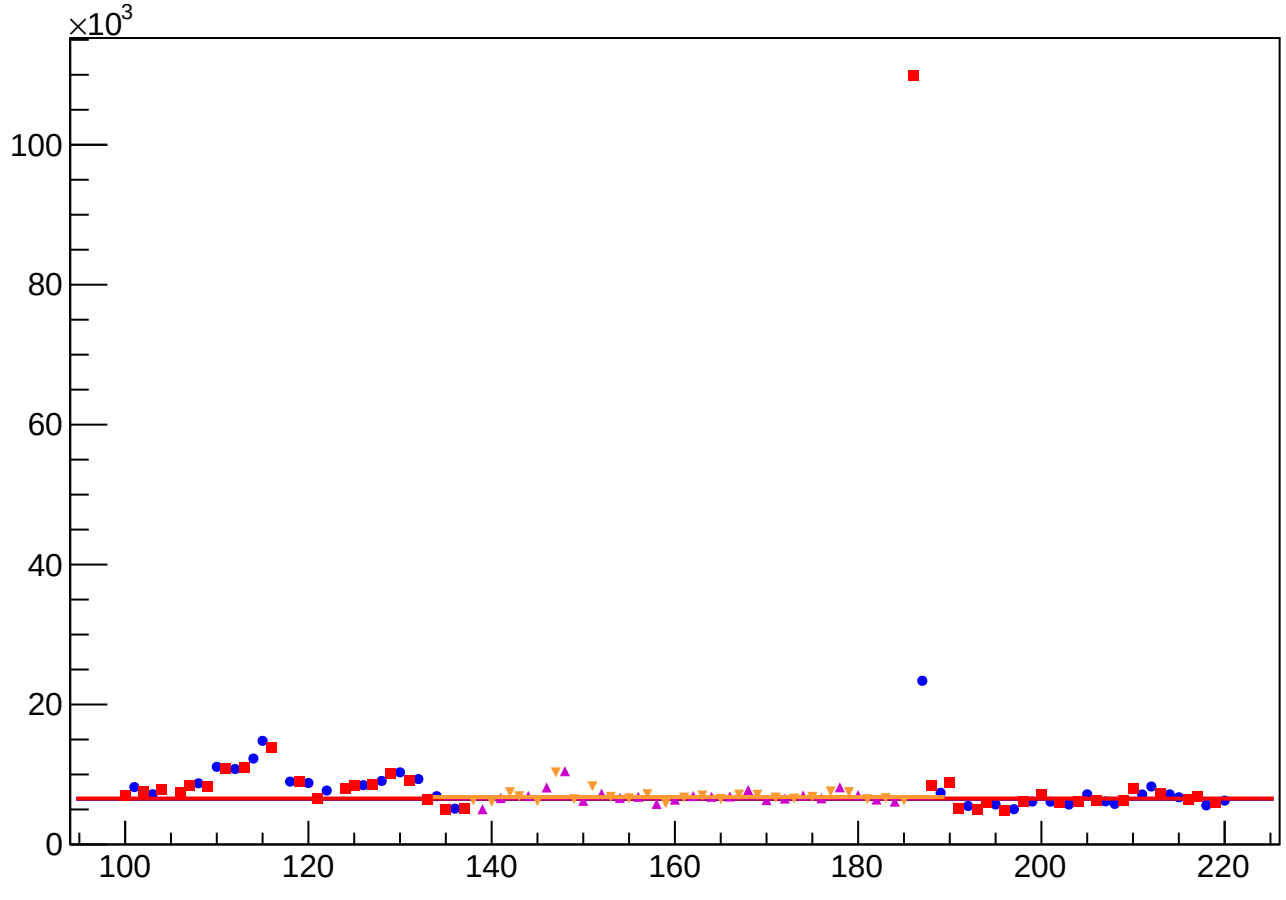
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -2.824+/-1.036 χ^2/NDF: 108.9/69

In: 0.863+/-1.074 χ^2/NDF:57.8/55

Out: -2.696+/-1.067 χ^2/NDF:107.2/61

All: -0.928+/-0.757 χ^2/NDF: 170.6/117



Right In: 6512.126+/-1.034 χ^2/NDF: 1855195.5/32

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6555.912+/-1.038 χ^2/NDF: 2418304.3/36

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

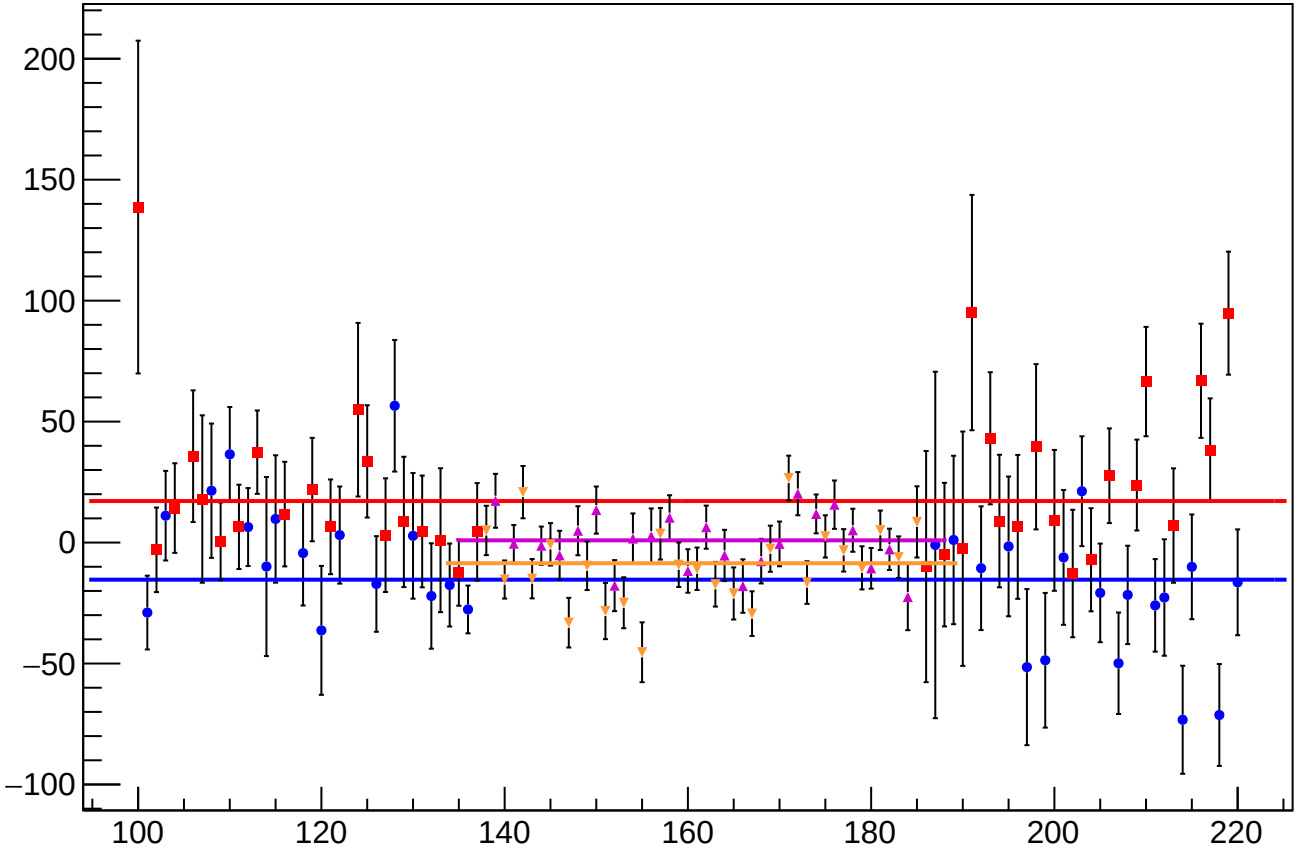
Right: 6533.948+/-0.733 χ^2/NDF: 4274392.9/69

In: 6593.928+/-0.759 χ^2/NDF:2489039.6/55

Out: 6660.026+/-0.754 χ^2/NDF:2839822.9/61

All: 6627.192+/-0.535 χ^2/NDF: 5332675.9/11

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -15.337+/-3.685 χ^2/NDF: 48.3/32

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 17.160+/-3.798 χ^2/NDF: 43.8/36

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

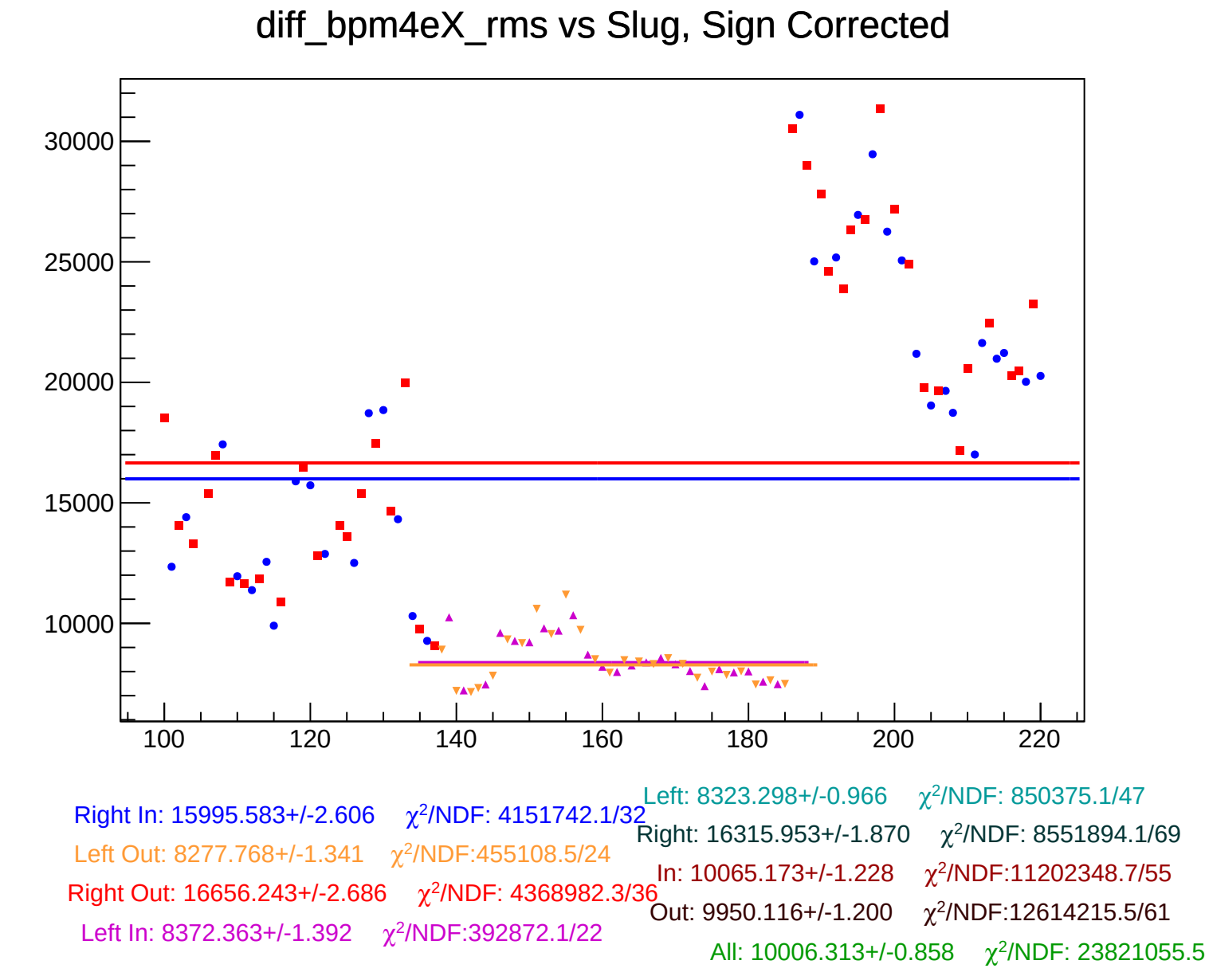
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 0.422+/-2.645 χ^2/NDF: 129.8/69

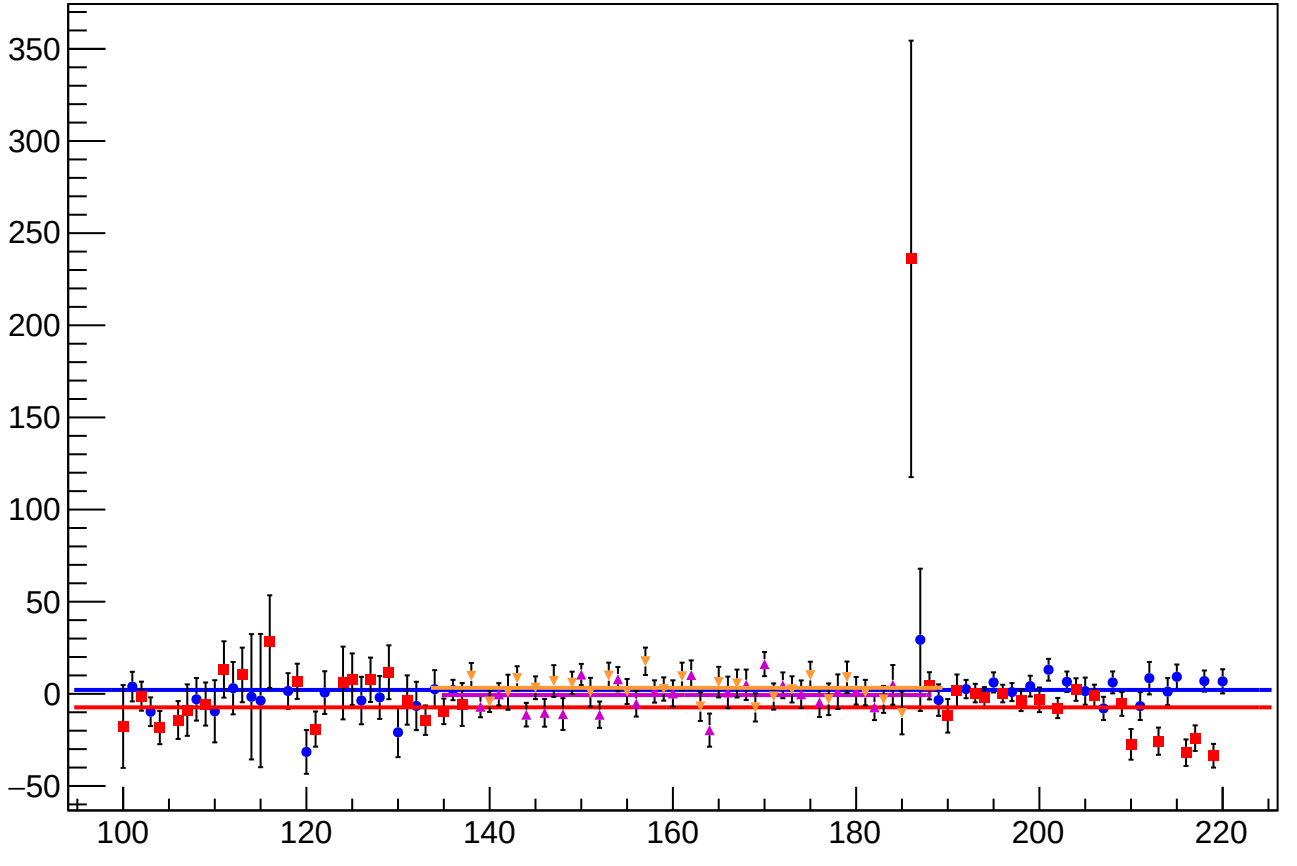
In: -2.690+/-1.737 χ^2/NDF:92.5/55

Out: -3.407+/-1.697 χ^2/NDF:142.4/61

All: -3.057+/-1.214 χ^2/NDF: 235.0/117


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15995.583+/-2.606 χ²/NDF: 4151742.1/32
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 16656.243+/-2.686 χ²/NDF: 4368982.3/36
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 16315.953+/-1.870 χ²/NDF: 8551894.1/69
In: 10065.173+/-1.228 χ²/NDF:11202348.7/55
Out: 9950.116+/-1.200 χ²/NDF:12614215.5/61
All: 10006.313+/-0.858 χ²/NDF: 23821055.5

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 2.126+/-1.335 χ^2/NDF: 27.8/32

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -7.326+/-1.320 χ^2/NDF: 82.1/36

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

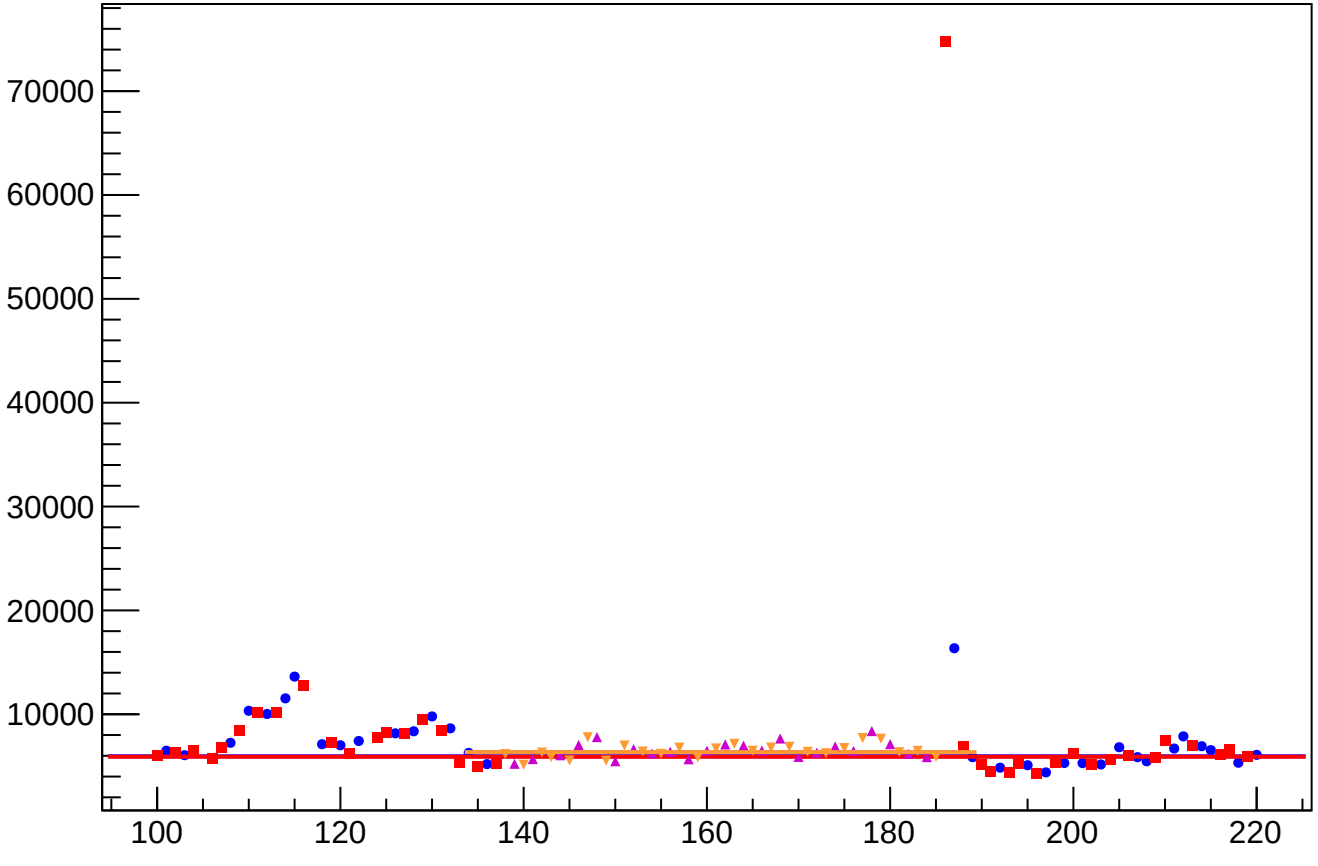
Right: -2.650+/-0.939 χ^2/NDF: 135.2/69

In: 0.901+/-0.997 χ^2/NDF:60.4/55

Out: -2.555+/-0.978 χ^2/NDF:128.7/61

All: -0.859+/-0.698 χ^2/NDF: 195.2/117

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5950.839+/-0.944 χ^2/NDF: 1802933.6/32

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5909.953+/-0.934 χ^2/NDF: 2454430.9/36

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

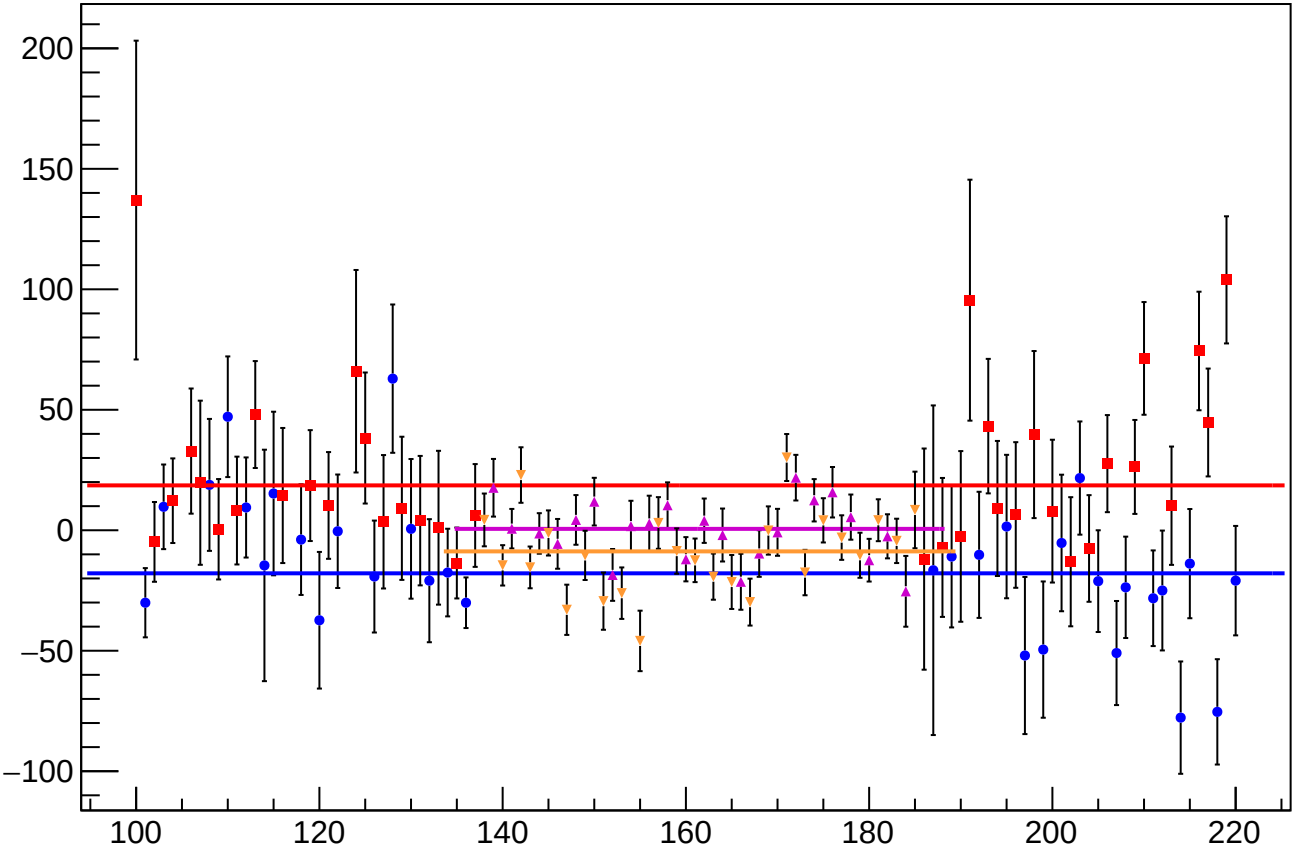
Right: 5930.178+/-0.664 χ^2/NDF: 4258313.2/69

In: 6131.675+/-0.705 χ^2/NDF:2359881.8/55

Out: 6111.782+/-0.692 χ^2/NDF:2972203.6/61

All: 6121.543+/-0.494 χ^2/NDF: 5332491.1/11

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -17.871+/-3.919 χ^2/NDF: 46.8/32

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 18.624+/-4.078 χ^2/NDF: 47.3/36

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

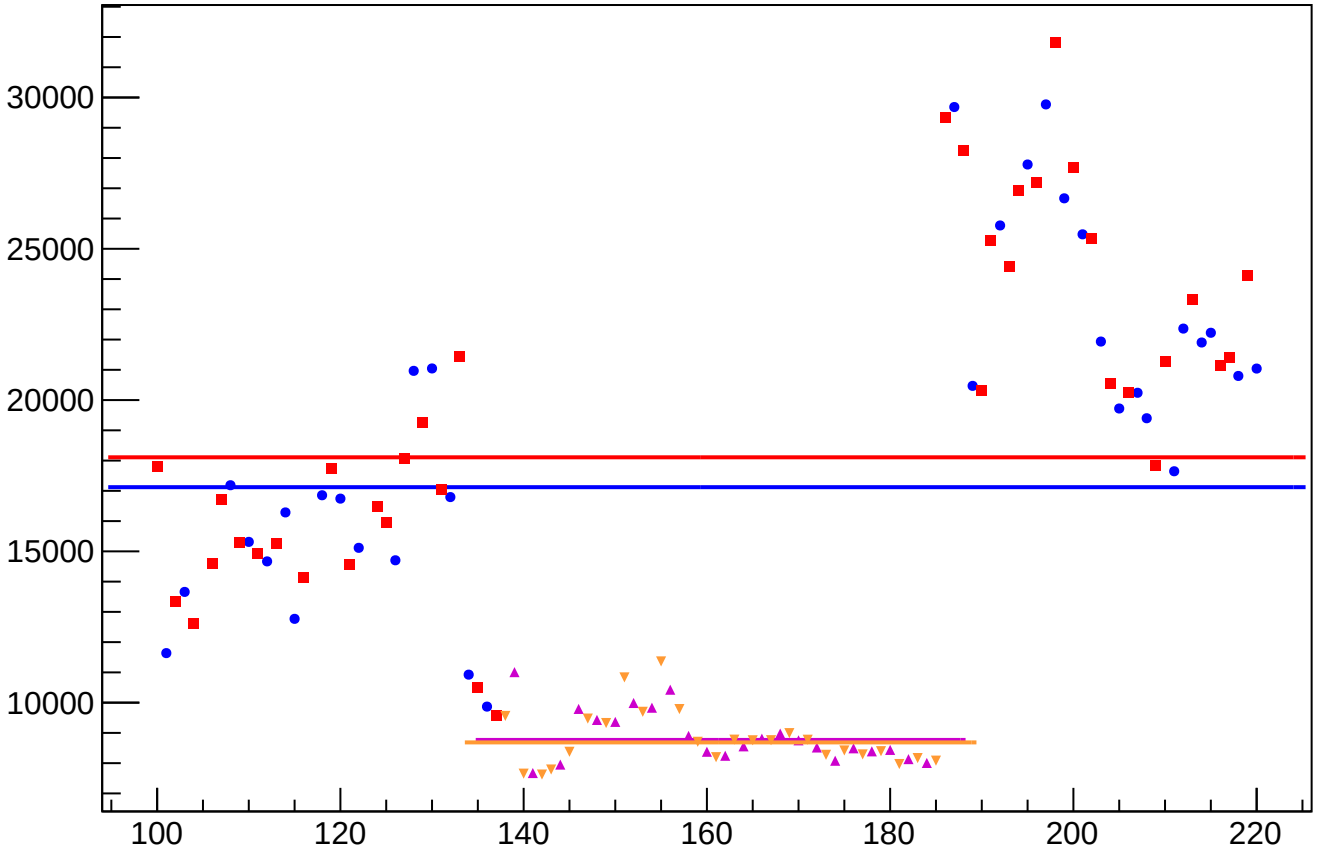
Right: -0.349+/-2.825 χ^2/NDF: 135.7/69

In: -3.413+/-1.823 χ^2/NDF:93.7/55

Out: -3.511+/-1.786 χ^2/NDF:146.5/61

All: -3.463+/-1.276 χ^2/NDF: 240.2/117

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 17121.347+/-2.771 χ^2/NDF: 3574213.0/32

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 18108.471+/-2.883 χ^2/NDF: 3416998.6/36

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

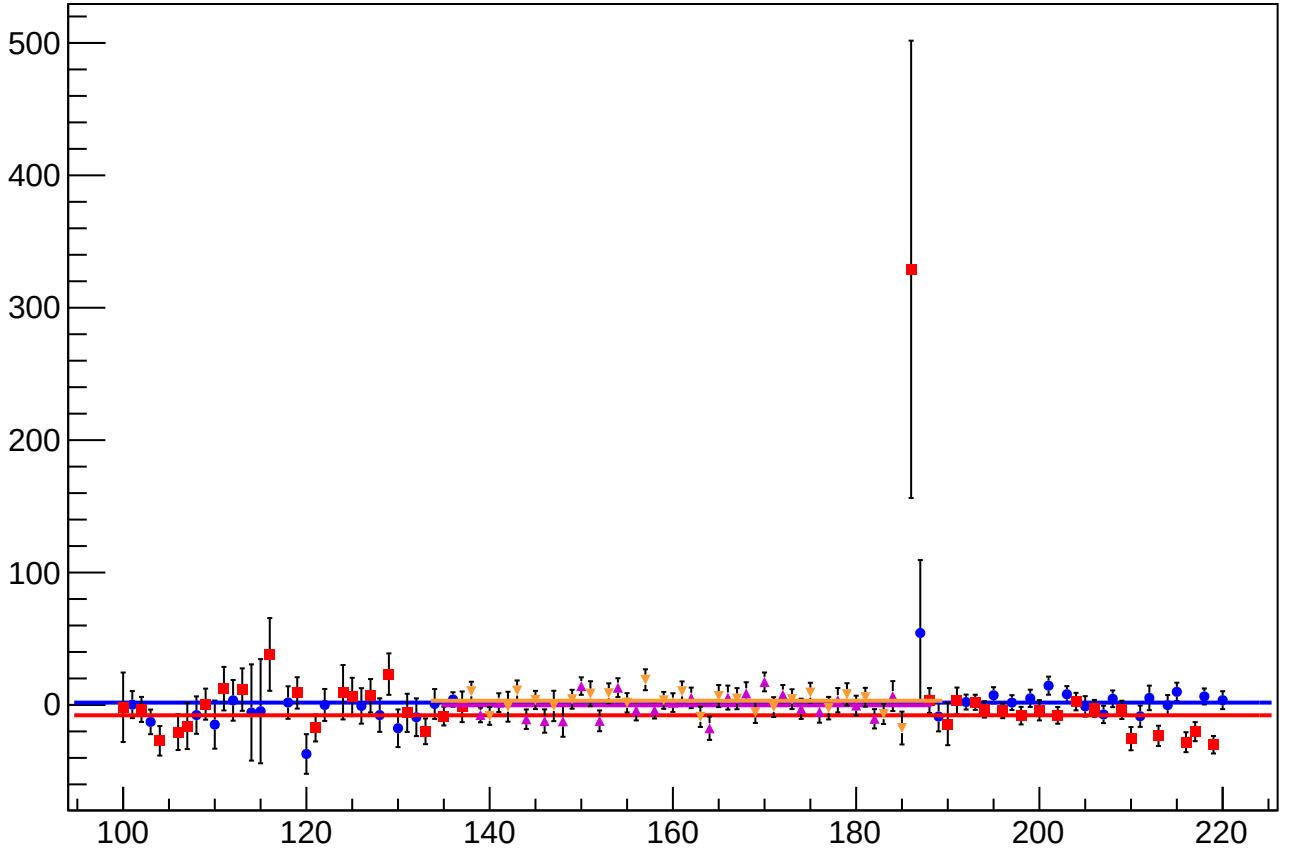
Right: 17595.272+/-1.998 χ^2/NDF: 7052145.7/69

In: 10575.263+/-1.289 χ^2/NDF:10992344.3/55

Out: 10494.039+/-1.263 χ^2/NDF:12387500.3/61

All: 10533.828+/-0.902 χ^2/NDF: 23381870.6

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.759+/-1.467 χ^2/NDF: 27.3/32

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -7.822+/-1.472 χ^2/NDF: 66.2/36

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

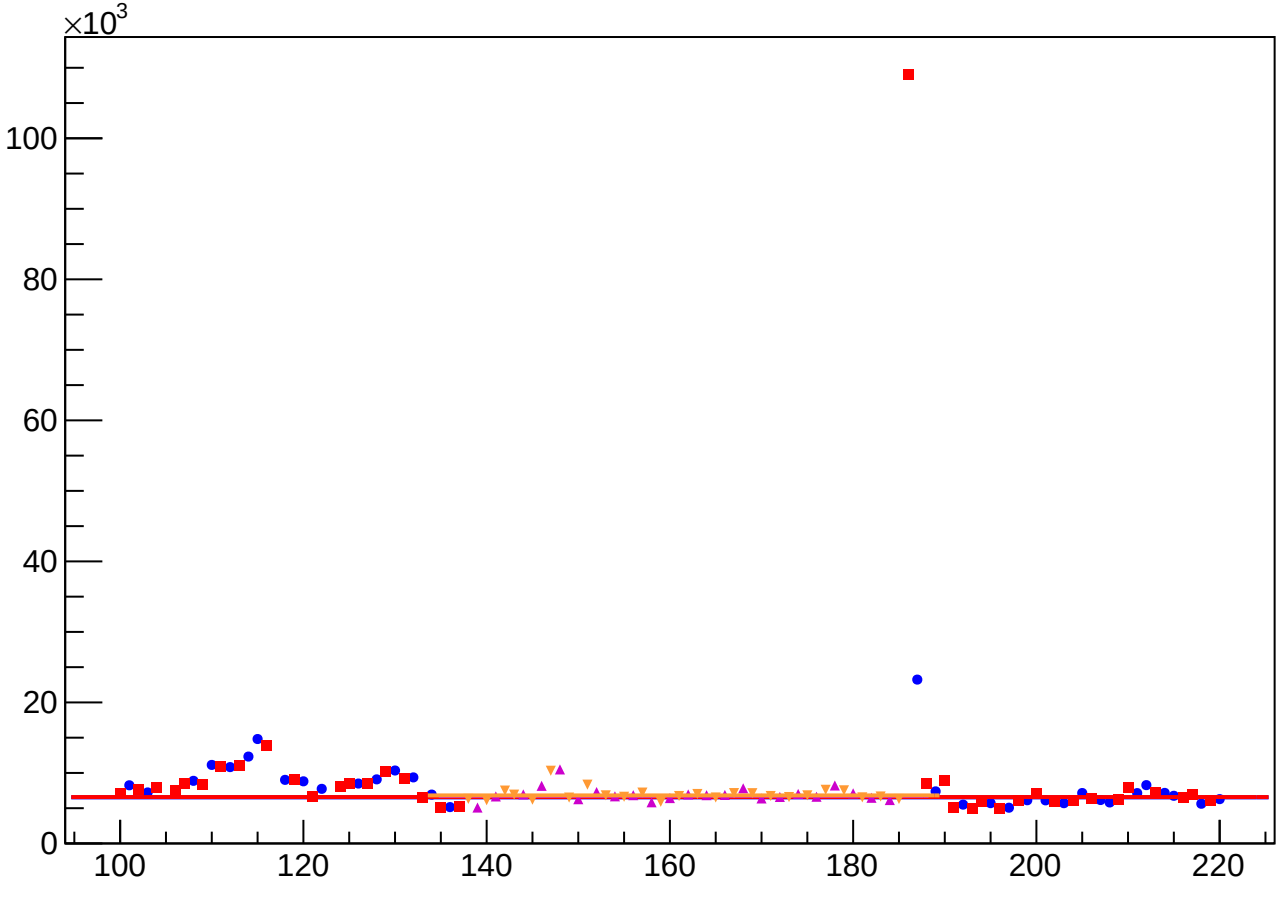
Right: -3.014+/-1.039 χ^2/NDF: 114.8/69

In: 0.827+/-1.078 χ^2/NDF:62.4/55

Out: -2.649+/-1.071 χ^2/NDF:114.1/61

All: -0.923+/-0.760 χ^2/NDF: 181.8/117

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6533.840+/-1.037 χ^2/NDF: 1846358.3/32

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6579.249+/-1.041 χ^2/NDF: 2411060.5/36

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

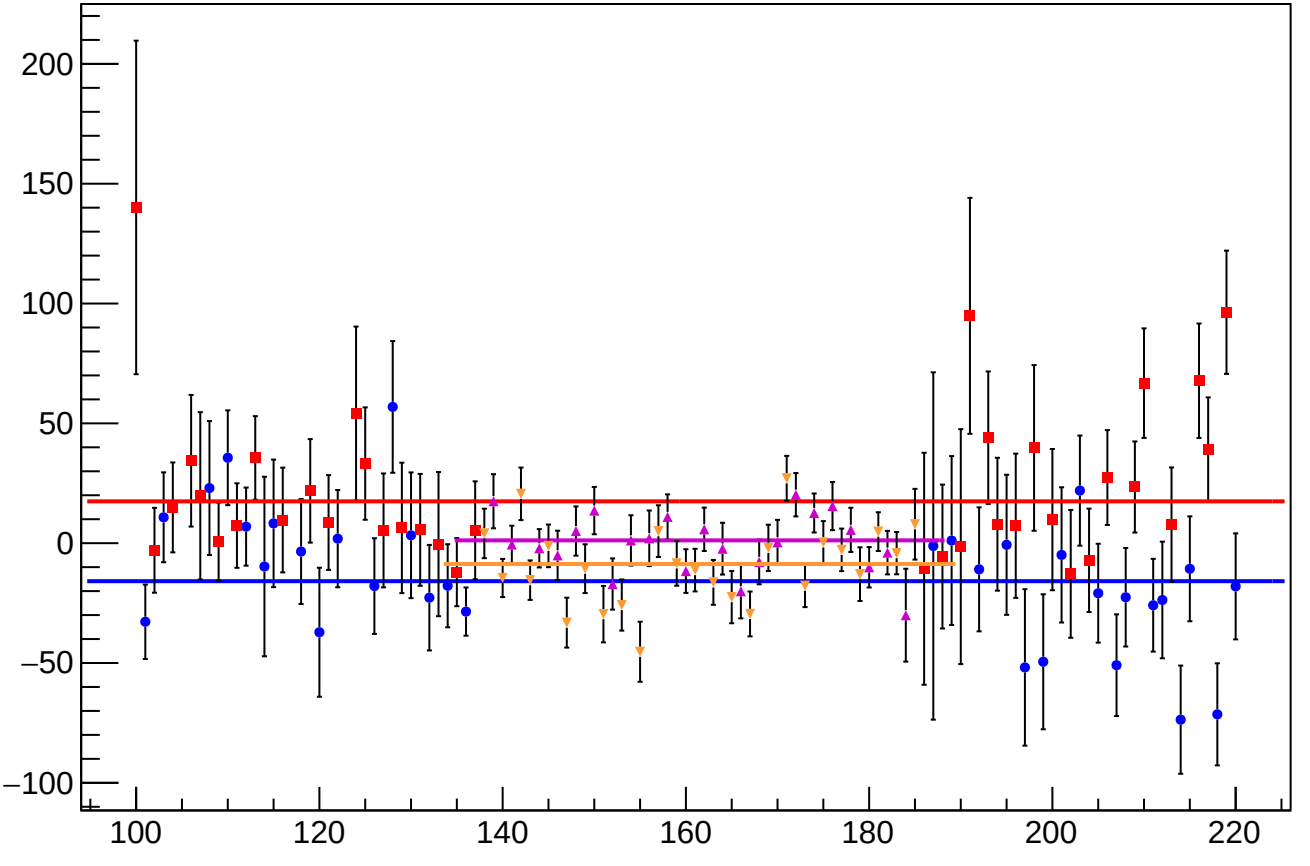
Right: 6556.465+/-0.735 χ^2/NDF: 4258373.3/69

In: 6623.058+/-0.762 χ^2/NDF:2472478.8/55

Out: 6689.218+/-0.758 χ^2/NDF:2829393.9/61

All: 6656.353+/-0.537 χ^2/NDF: 5305661.6/11

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -15.860+/-3.733 χ^2/NDF: 48.4/32

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 17.457+/-3.850 χ^2/NDF: 42.7/36

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

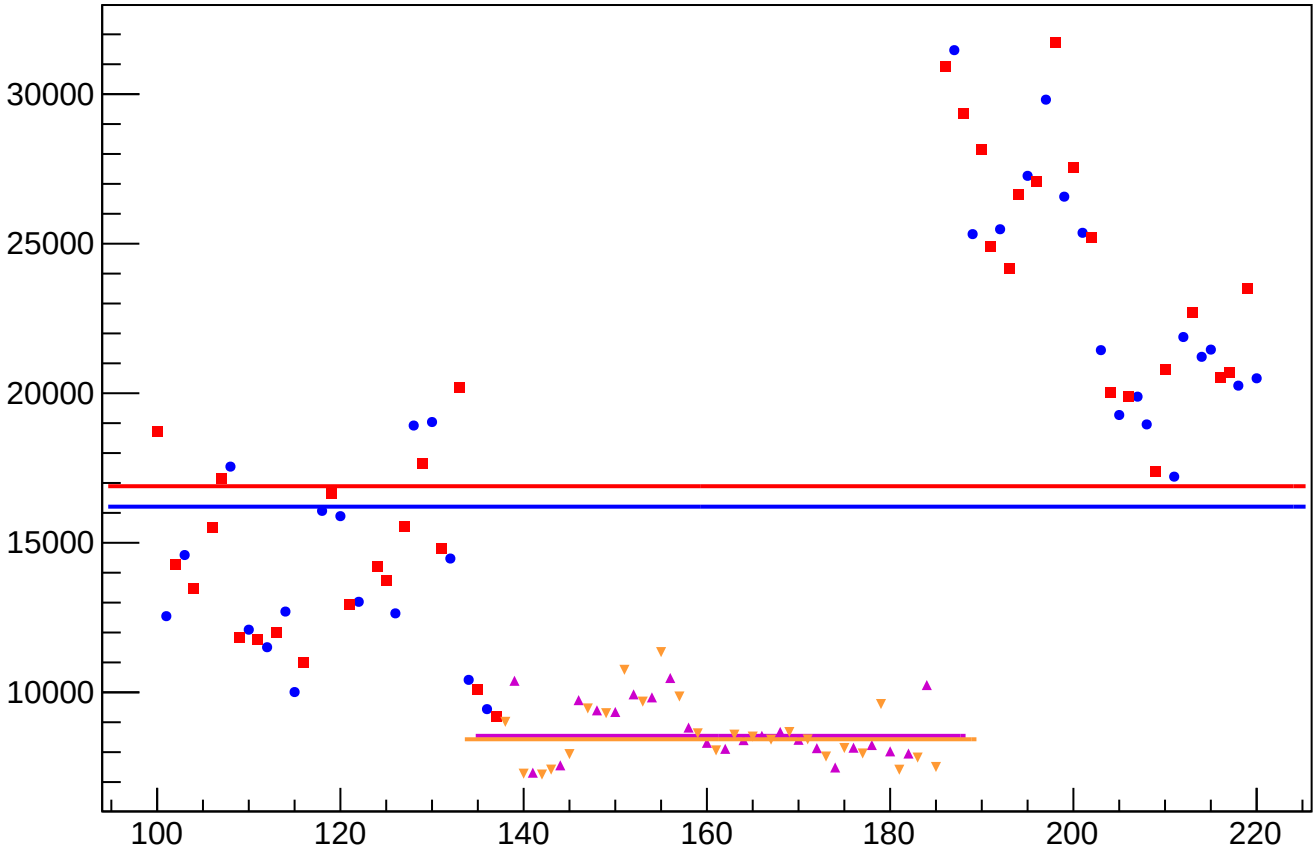
Right: 0.287+/-2.680 χ^2/NDF: 129.7/69

In: -2.661+/-1.771 χ^2/NDF:93.1/55

Out: -3.413+/-1.730 χ^2/NDF:140.9/61

All: -3.046+/-1.238 χ^2/NDF: 234.1/117

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 16207.910+/-2.640 χ^2/NDF: 4118960.9/32

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16891.370+/-2.722 χ^2/NDF: 4316741.1/36

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

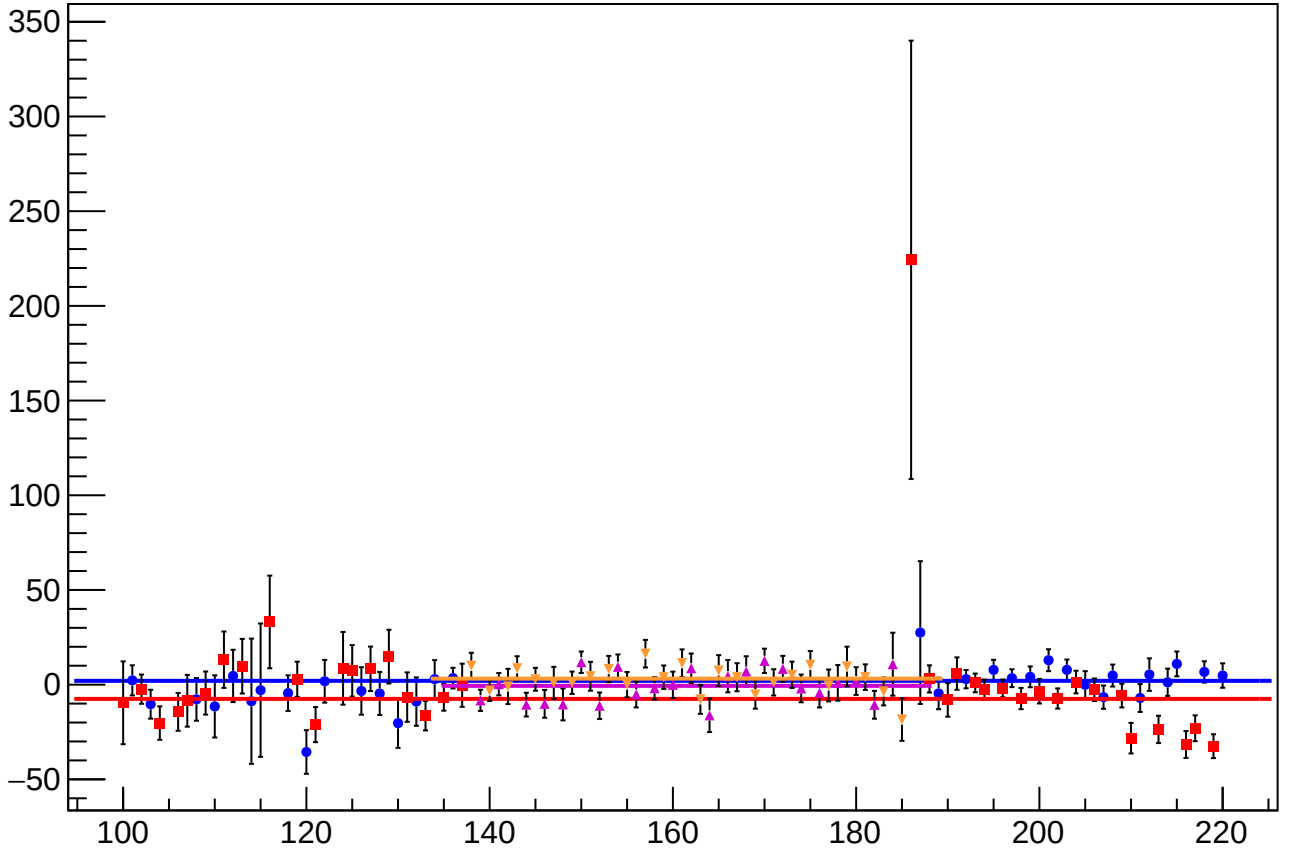
Right: 16539.145+/-1.895 χ^2/NDF: 8468189.2/69

In: 10270.708+/-1.253 χ^2/NDF:11037150.2/55

Out: 10138.741+/-1.223 χ^2/NDF:12511463.3/61

All: 10203.153+/-0.875 χ^2/NDF: 23554295.8

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 2.015+/-1.303 χ^2/NDF: 33.5/32

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -7.515+/-1.289 χ^2/NDF: 81.7/36

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

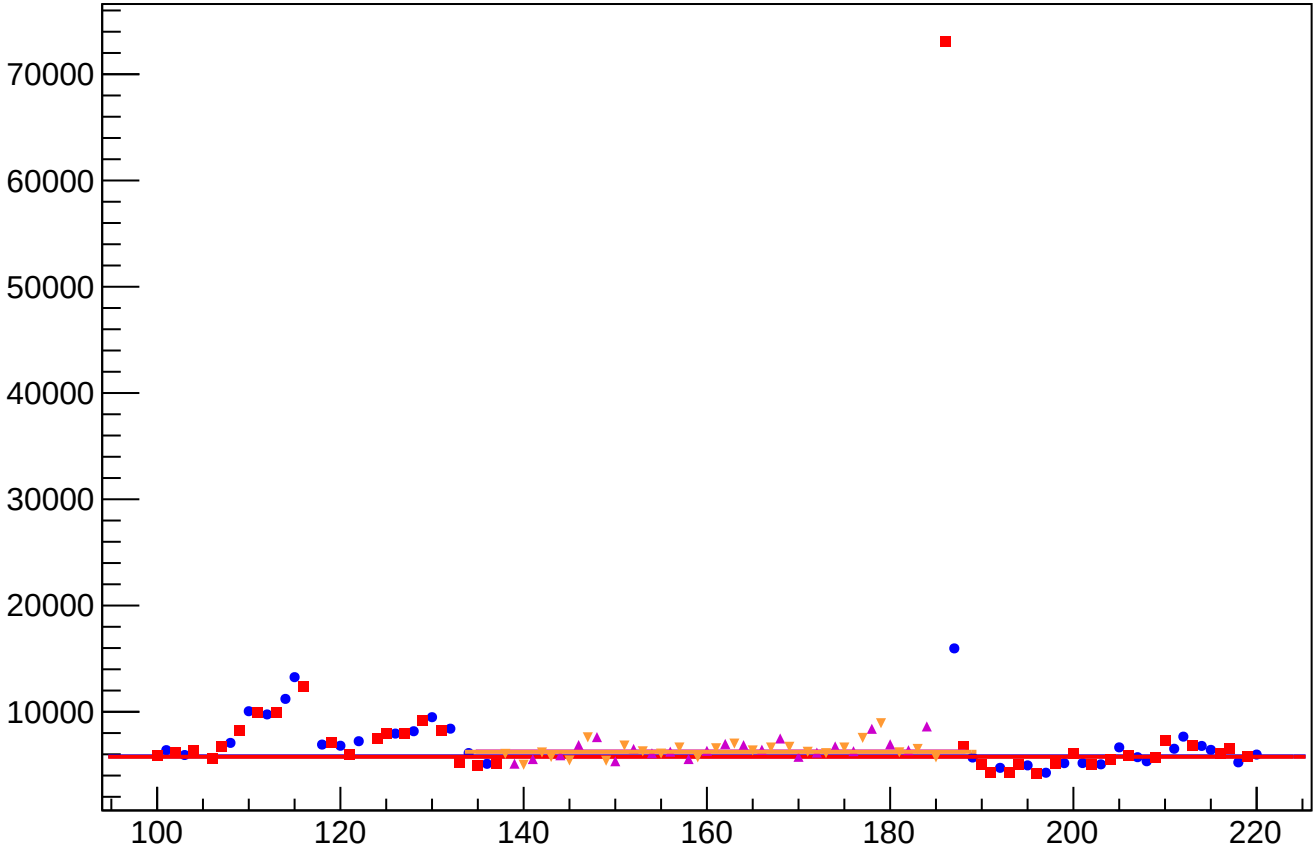
Right: -2.804+/-0.916 χ^2/NDF: 142.2/69

In: 0.860+/-0.979 χ^2/NDF:67.1/55

Out: -2.737+/-0.959 χ^2/NDF:131.1/61

All: -0.976+/-0.685 χ^2/NDF: 205.2/117

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5810.490+/-0.922 χ^2/NDF: 1802317.5/32

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5766.869+/-0.911 χ^2/NDF: 2442214.0/36

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

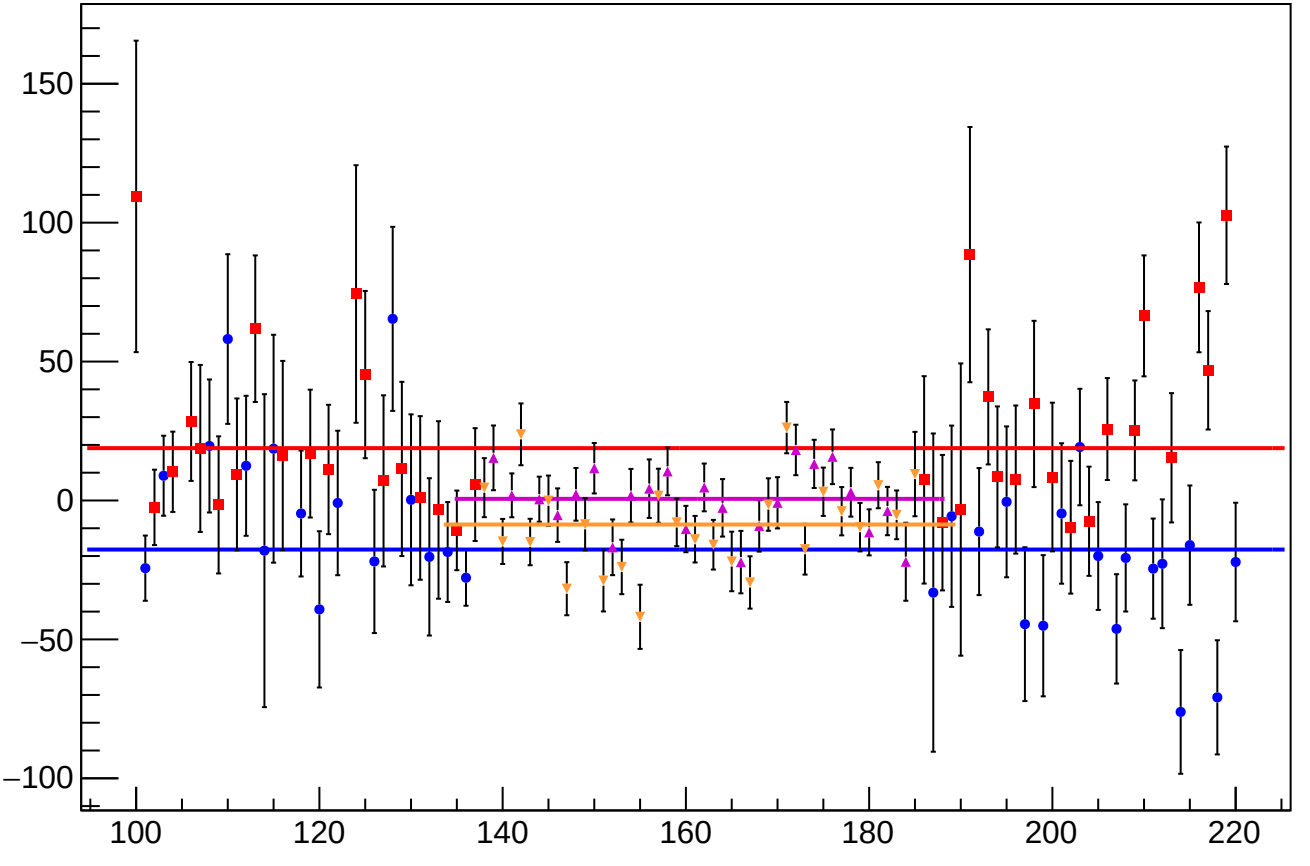
Right: 5788.431+/-0.648 χ^2/NDF: 4245664.4/69

In: 6010.185+/-0.692 χ^2/NDF:2434262.9/55

Out: 5977.192+/-0.678 χ^2/NDF:3069267.4/61

All: 5993.349+/-0.484 χ^2/NDF: 5504690.2/11

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -17.663+/-3.713 χ^2/NDF: 45.7/32

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 18.840+/-3.882 χ^2/NDF: 49.9/36

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

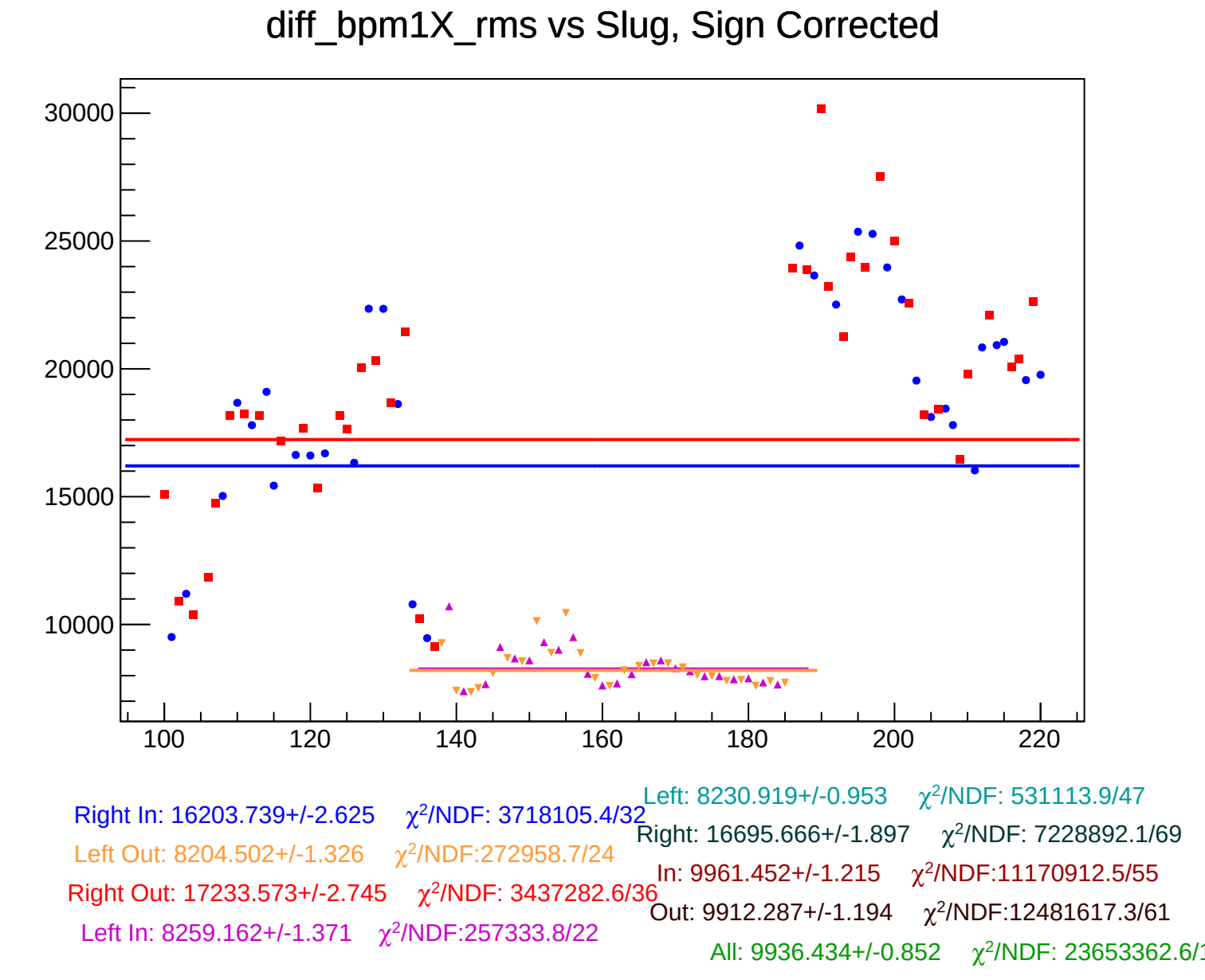
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -0.227+/-2.683 χ^2/NDF: 141.8/69

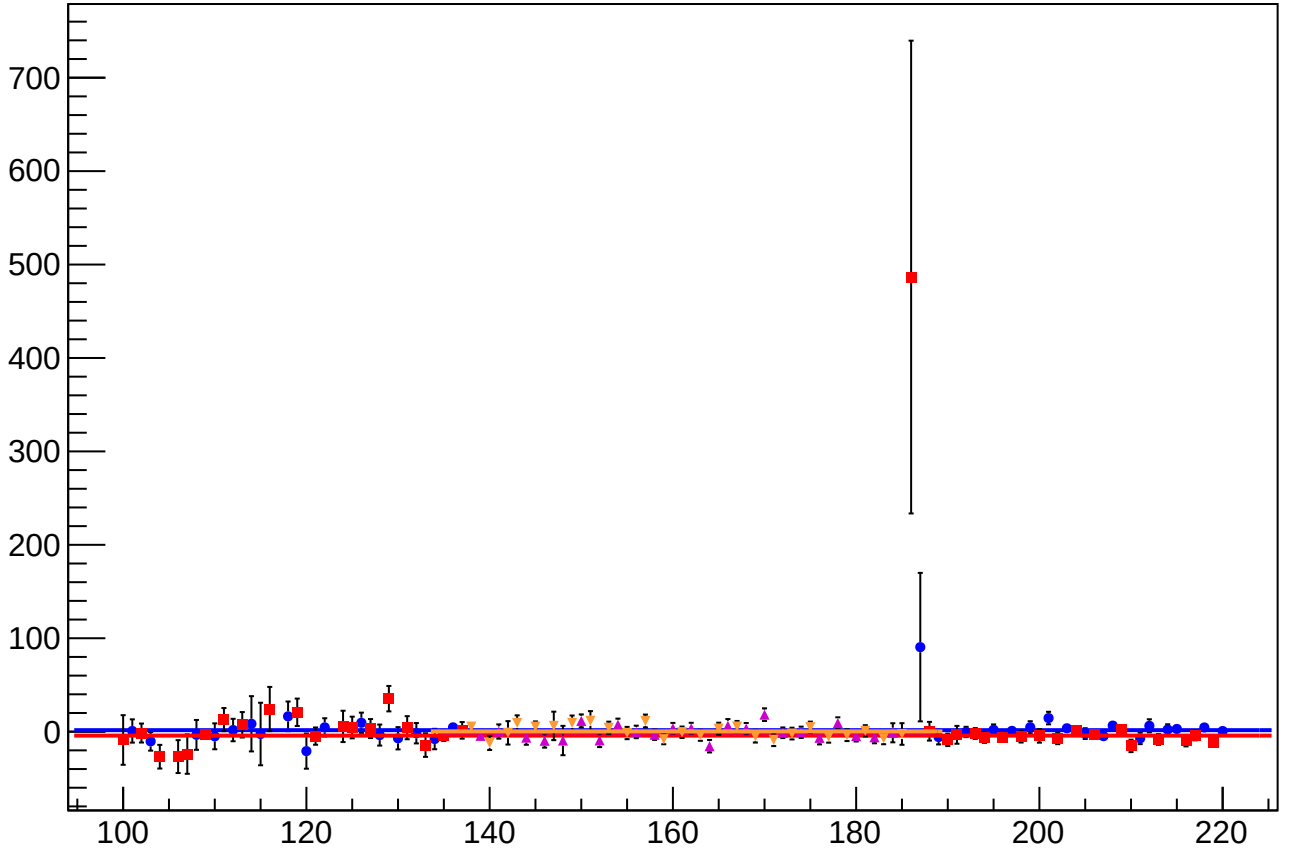
In: -3.327+/-1.719 χ^2/NDF:93.1/55

Out: -3.451+/-1.688 χ^2/NDF:153.6/61

All: -3.390+/-1.204 χ^2/NDF: 246.8/117


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16203.739+/-2.625 χ²/NDF: 3718105.4/32
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 17233.573+/-2.745 χ²/NDF: 3437282.6/36
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 16695.666+/-1.897 χ²/NDF: 7228892.1/69
In: 9961.452+/-1.215 χ²/NDF:11170912.5/55
Out: 9912.287+/-1.194 χ²/NDF:12481617.3/61
All: 9936.434+/-0.852 χ²/NDF: 23653362.6/1

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.598+/-1.245 χ^2/NDF: 19.0/32

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -4.213+/-1.222 χ^2/NDF: 38.0/36

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

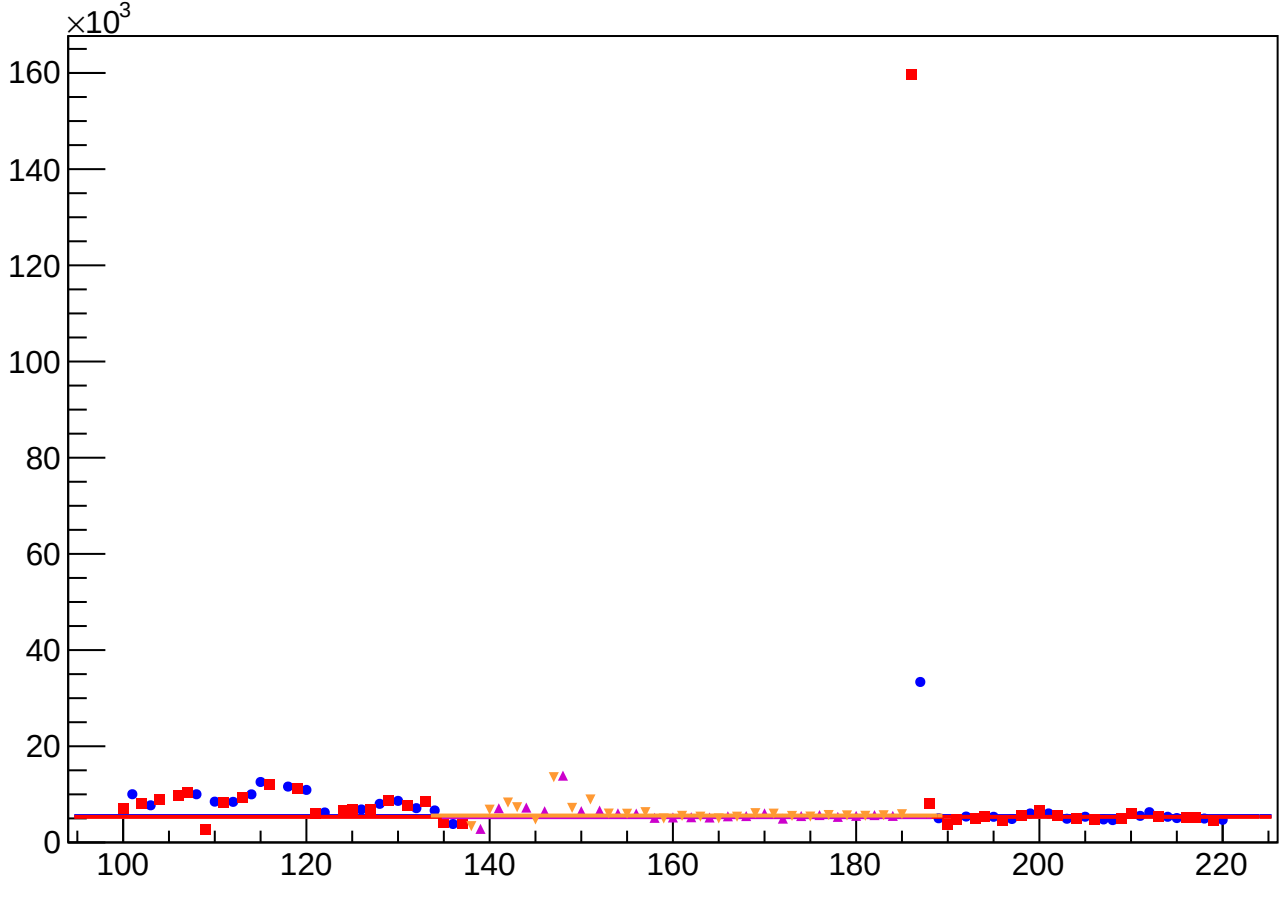
Right: -1.361+/-0.872 χ^2/NDF: 68.1/69

In: 0.487+/-0.896 χ^2/NDF:50.6/55

Out: -2.109+/-0.897 χ^2/NDF:65.9/61

All: -0.810+/-0.634 χ^2/NDF: 120.7/117

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5490.255+/-0.880 χ^2/NDF: 2554101.6/32

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5317.401+/-0.864 χ^2/NDF: 3870631.4/36

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

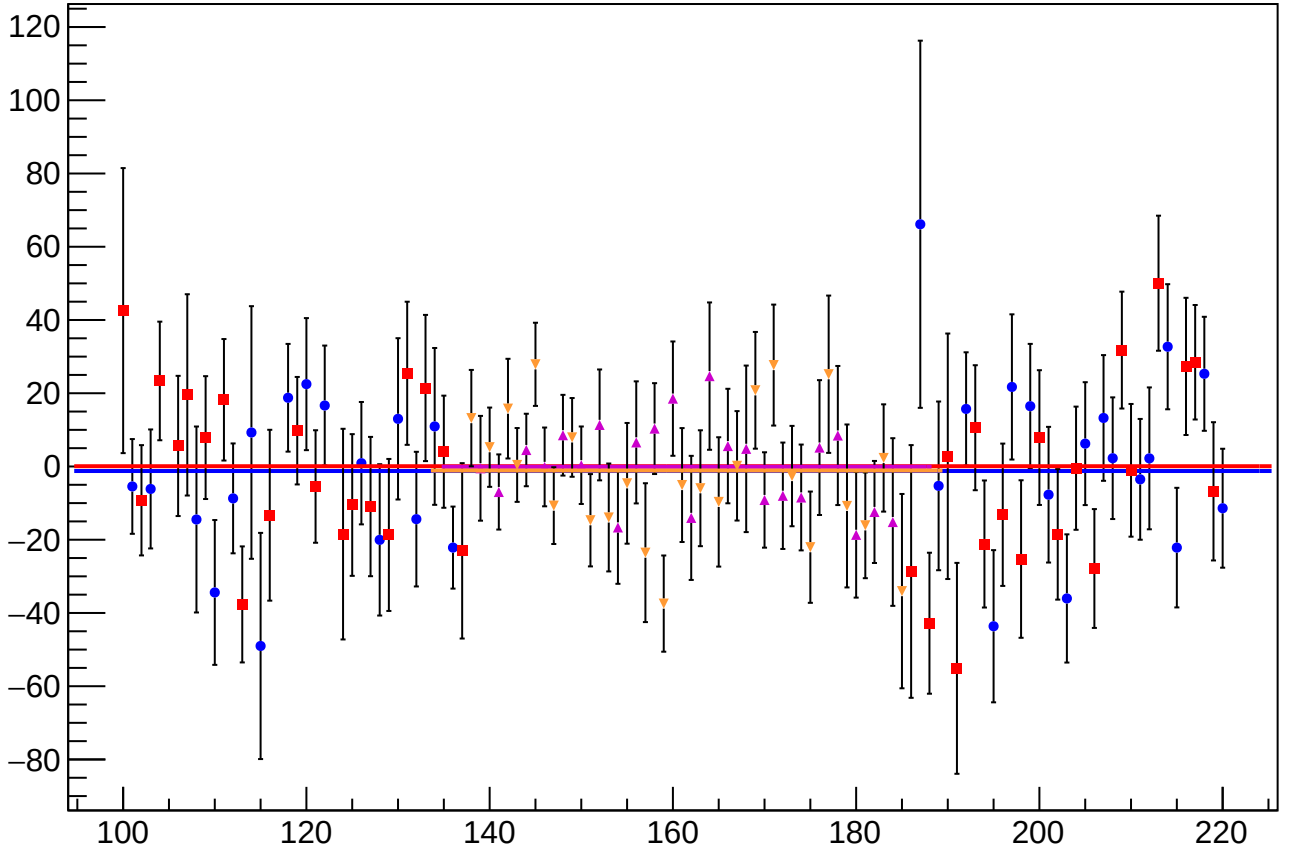
Right: 5402.221+/-0.616 χ^2/NDF: 6444383.1/69

In: 5380.691+/-0.634 χ^2/NDF:5011893.1/55

Out: 5445.069+/-0.634 χ^2/NDF:5702304.7/61

All: 5412.843+/-0.448 χ^2/NDF: 10719353.9/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -1.238+/-3.076 χ^2/NDF: 40.0/32

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 0.071+/-3.083 χ^2/NDF: 52.1/36

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

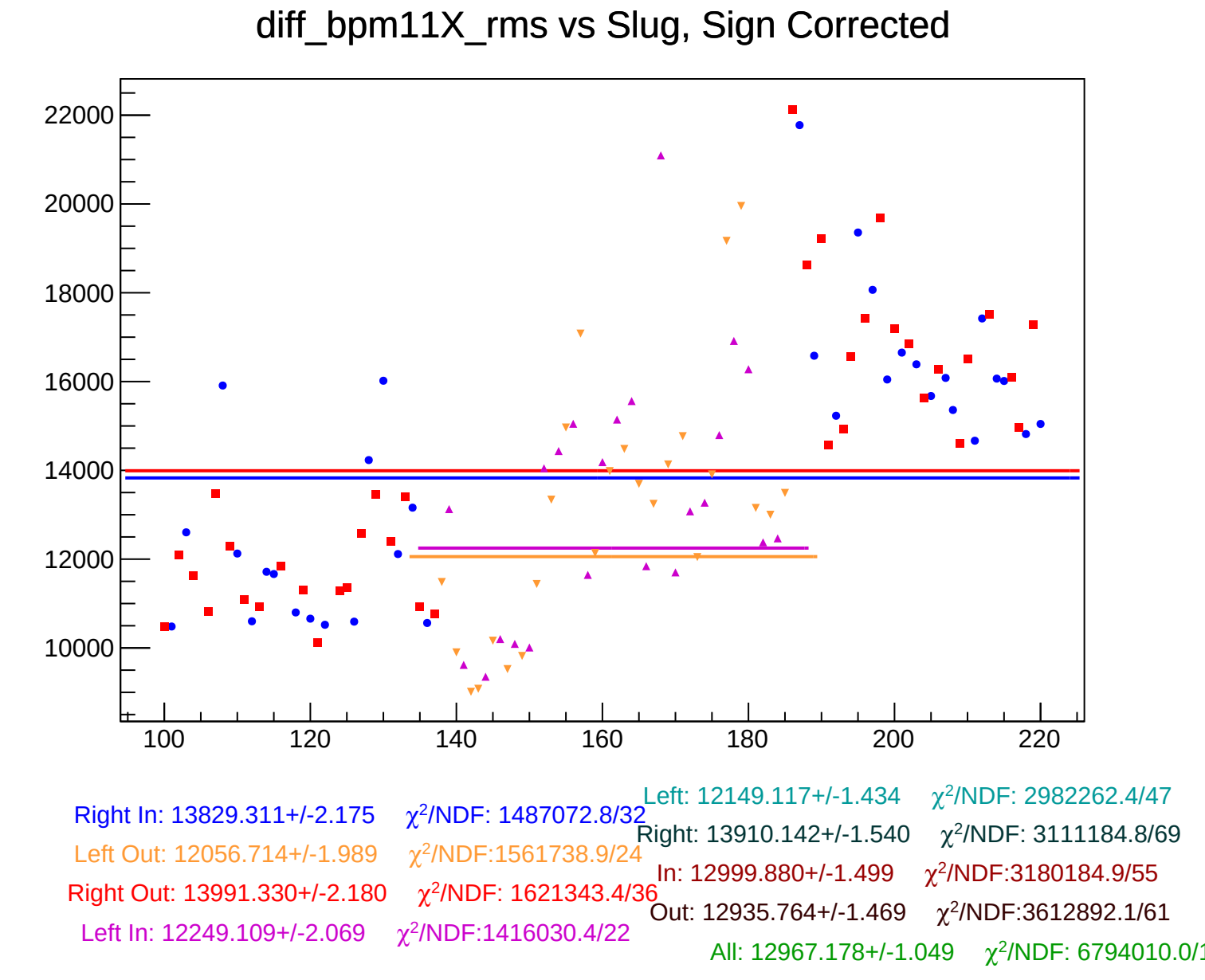
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

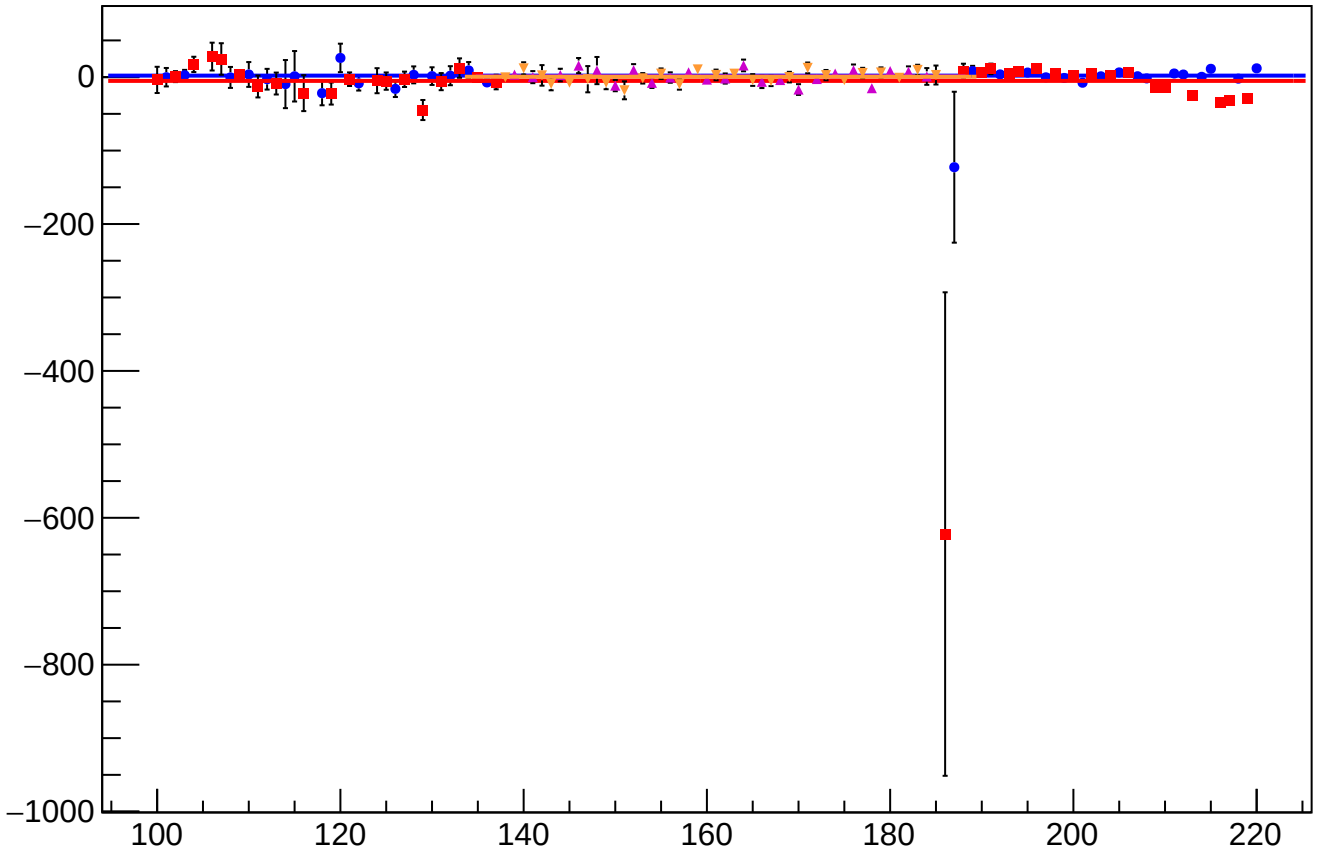
Right: -0.585+/-2.177 χ^2/NDF: 92.1/69

In: -0.633+/-2.120 χ^2/NDF:51.5/55

Out: -0.574+/-2.078 χ^2/NDF:85.9/61

All: -0.603+/-1.484 χ^2/NDF: 137.4/117


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
220
Right In: 13829.311+/-2.175 χ²/NDF: 1487072.8/32
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13991.330+/-2.180 χ²/NDF: 1621343.4/36
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13910.142+/-1.540 χ²/NDF: 3111184.8/69
In: 12999.880+/-1.499 χ²/NDF:3180184.9/55
Out: 12935.764+/-1.469 χ²/NDF:3612892.1/61
All: 12967.178+/-1.049 χ²/NDF: 6794010.0/1



Right In: 2.056+/-1.041 χ^2/NDF: 31.9/32

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -5.118+/-1.049 χ^2/NDF: 205.2/36

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

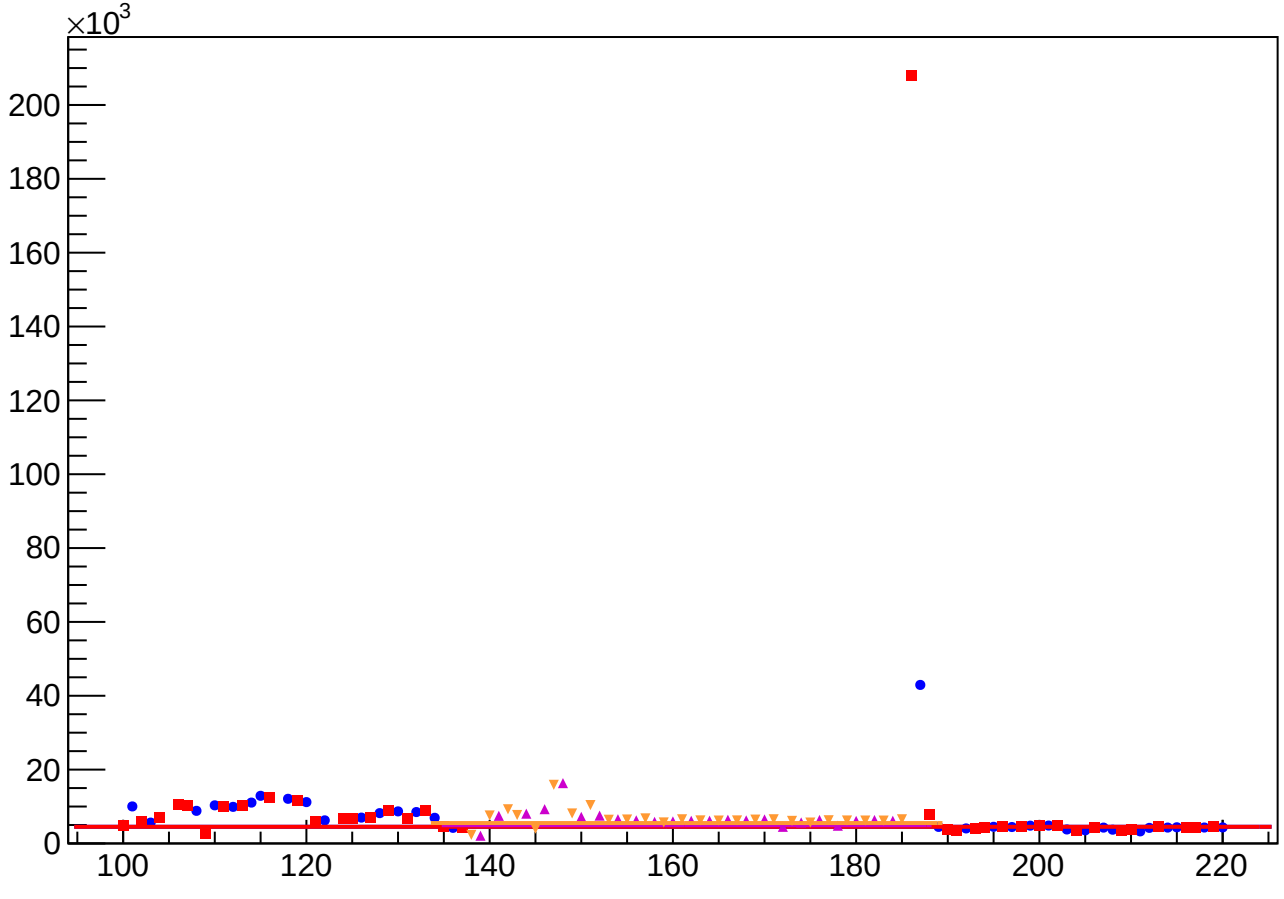
Right: -1.504+/-0.739 χ^2/NDF: 260.7/69

In: 1.620+/-0.811 χ^2/NDF:64.6/55

Out: -3.030+/-0.833 χ^2/NDF:237.4/61

All: -0.645+/-0.581 χ^2/NDF: 317.9/117

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 4512.801+/-0.736 χ^2/NDF: 3732683.7/32

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4511.610+/-0.742 χ^2/NDF: 4243639.6/36

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

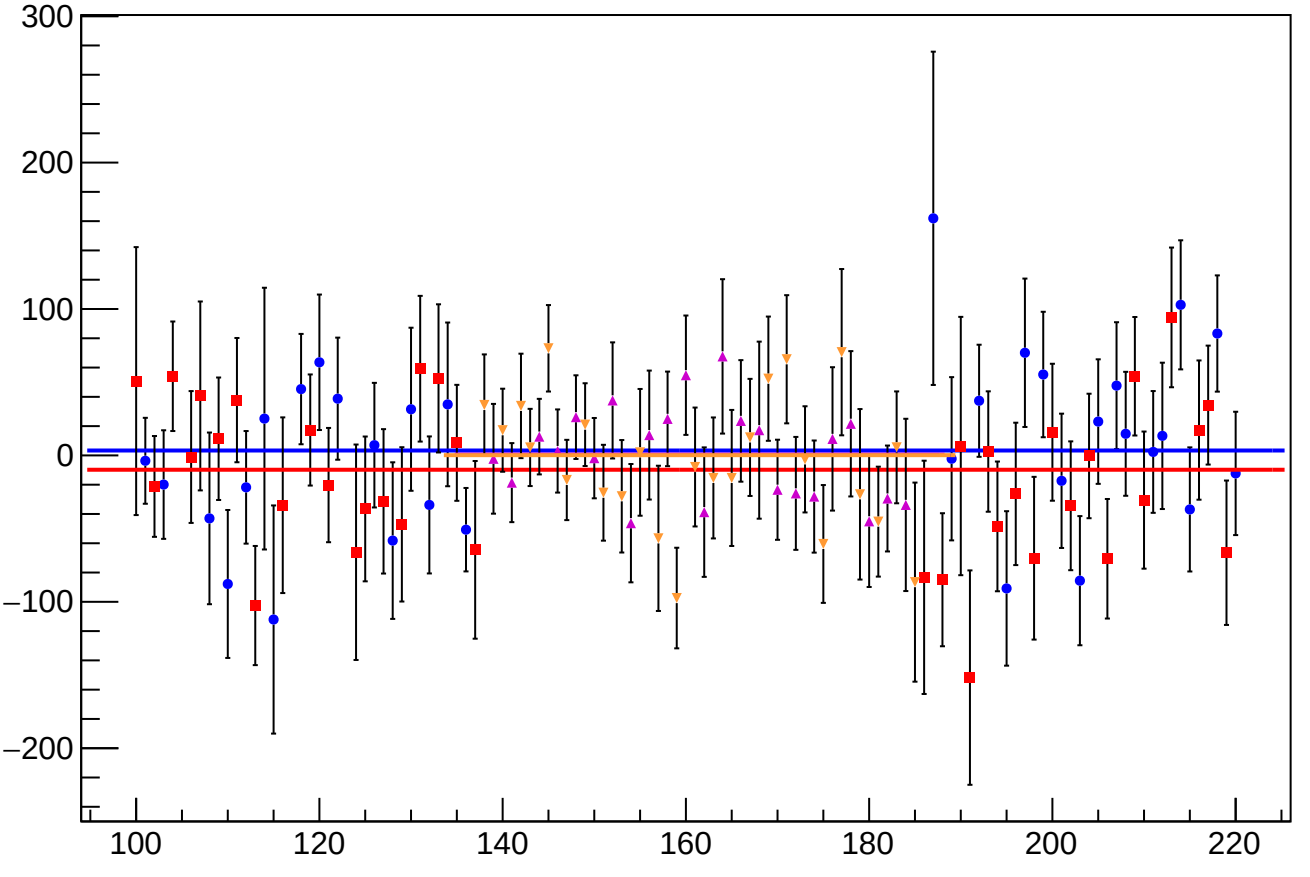
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 4512.210+/-0.522 χ^2/NDF: 7976324.6/69

In: 4681.413+/-0.574 χ^2/NDF:9802312.7/55

Out: 4887.636+/-0.589 χ^2/NDF:9314151.8/61

All: 4781.855+/-0.411 χ^2/NDF: 19179410.9/1



Right In: 3.351+/-7.722 χ^2/NDF: 41.8/32

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

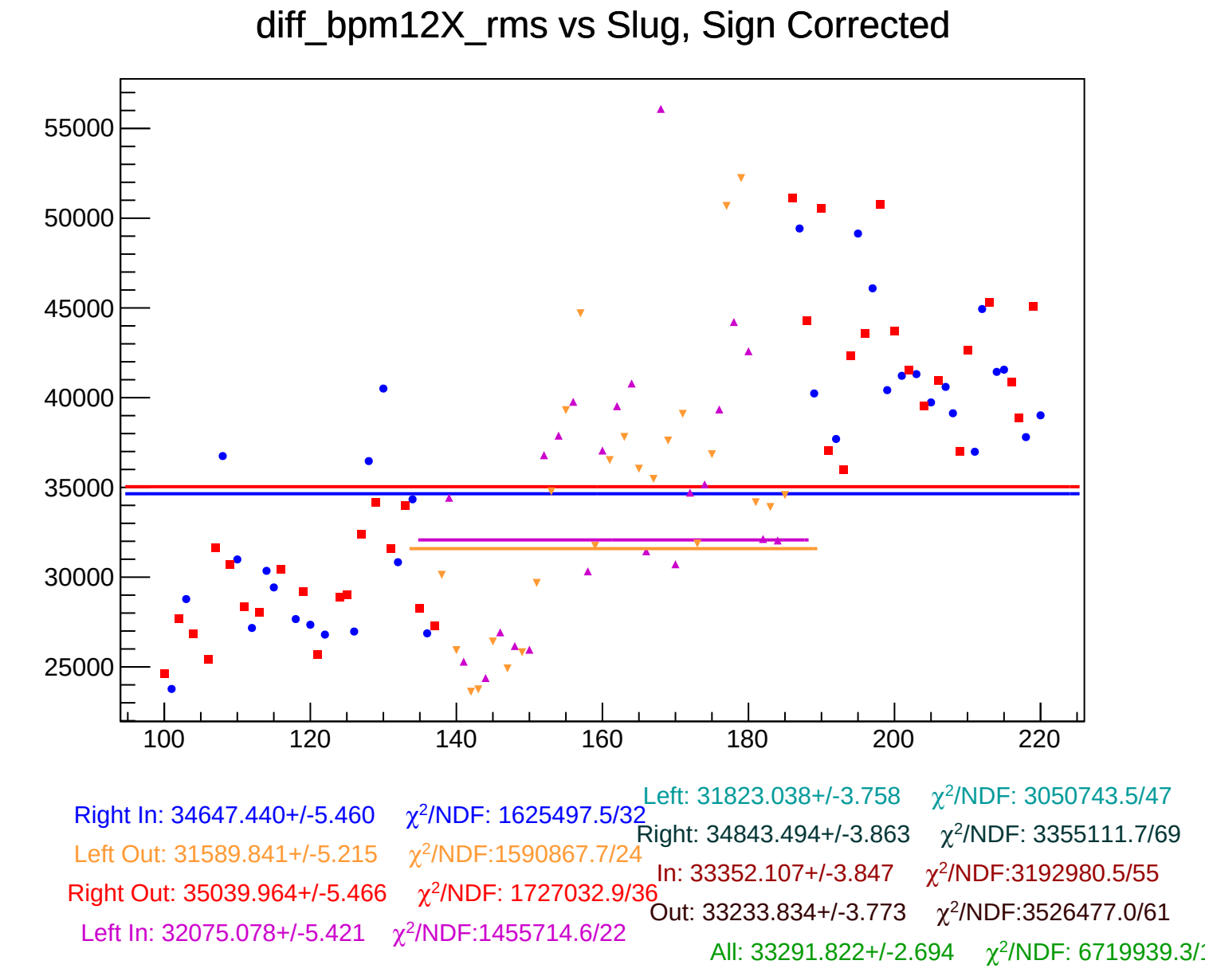
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

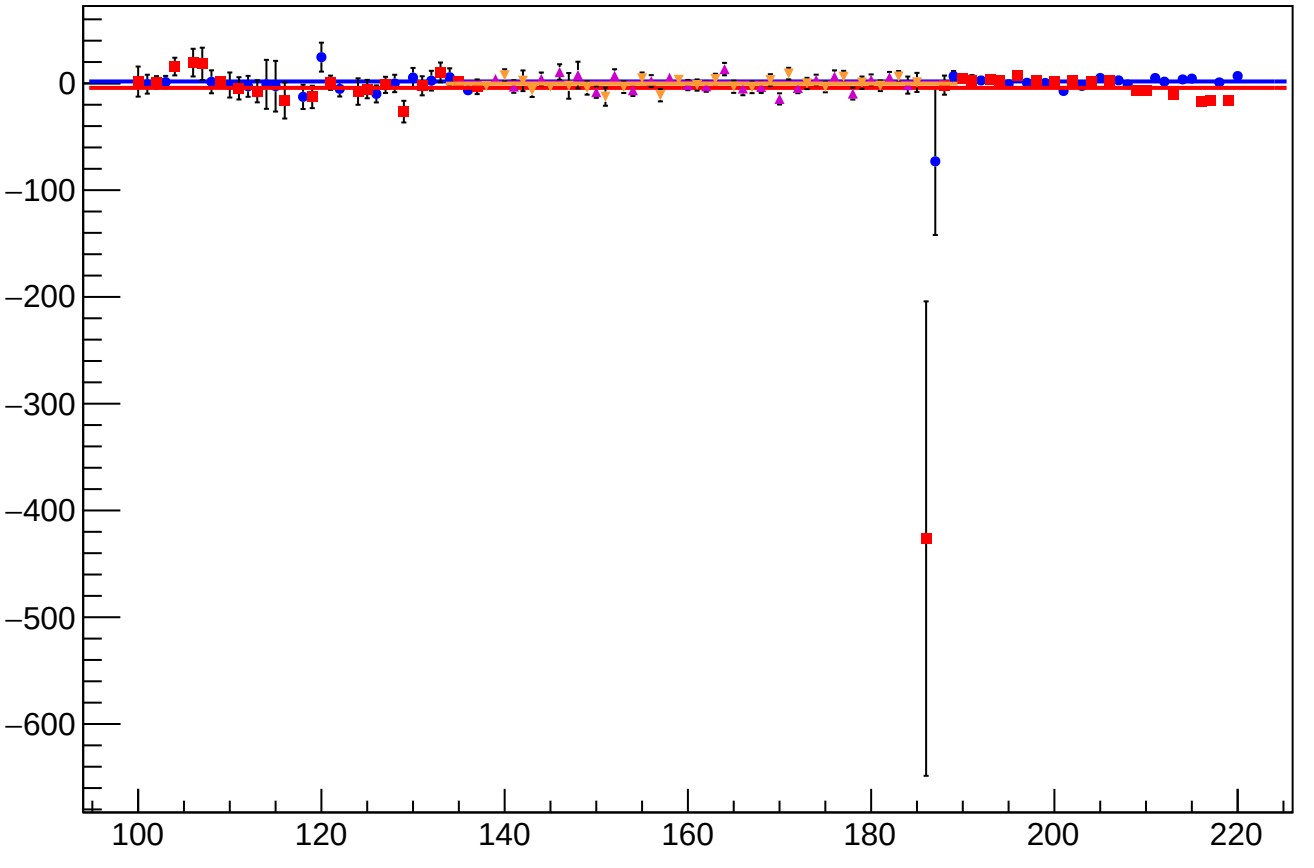
Right: -3.214+/-5.463 χ^2/NDF: 83.5/69

In: 1.959+/-5.441 χ^2/NDF:54.6/55

Out: -4.579+/-5.336 χ^2/NDF:72.3/61

All: -1.373+/-3.810 χ^2/NDF: 127.6/117


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34647.440+/-5.460 χ²/NDF: 1625497.5/32
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34843.494+/-3.863 χ²/NDF: 3355111.7/69
In: 33352.107+/-3.847 χ²/NDF:3192980.5/55
Out: 33233.834+/-3.773 χ²/NDF:3526477.0/61
All: 33291.822+/-2.694 χ²/NDF: 6719939.3/



Right In: 1.812+/-0.592 χ^2/NDF: 42.3/32

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -4.215+/-0.622 χ^2/NDF: 183.8/36

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

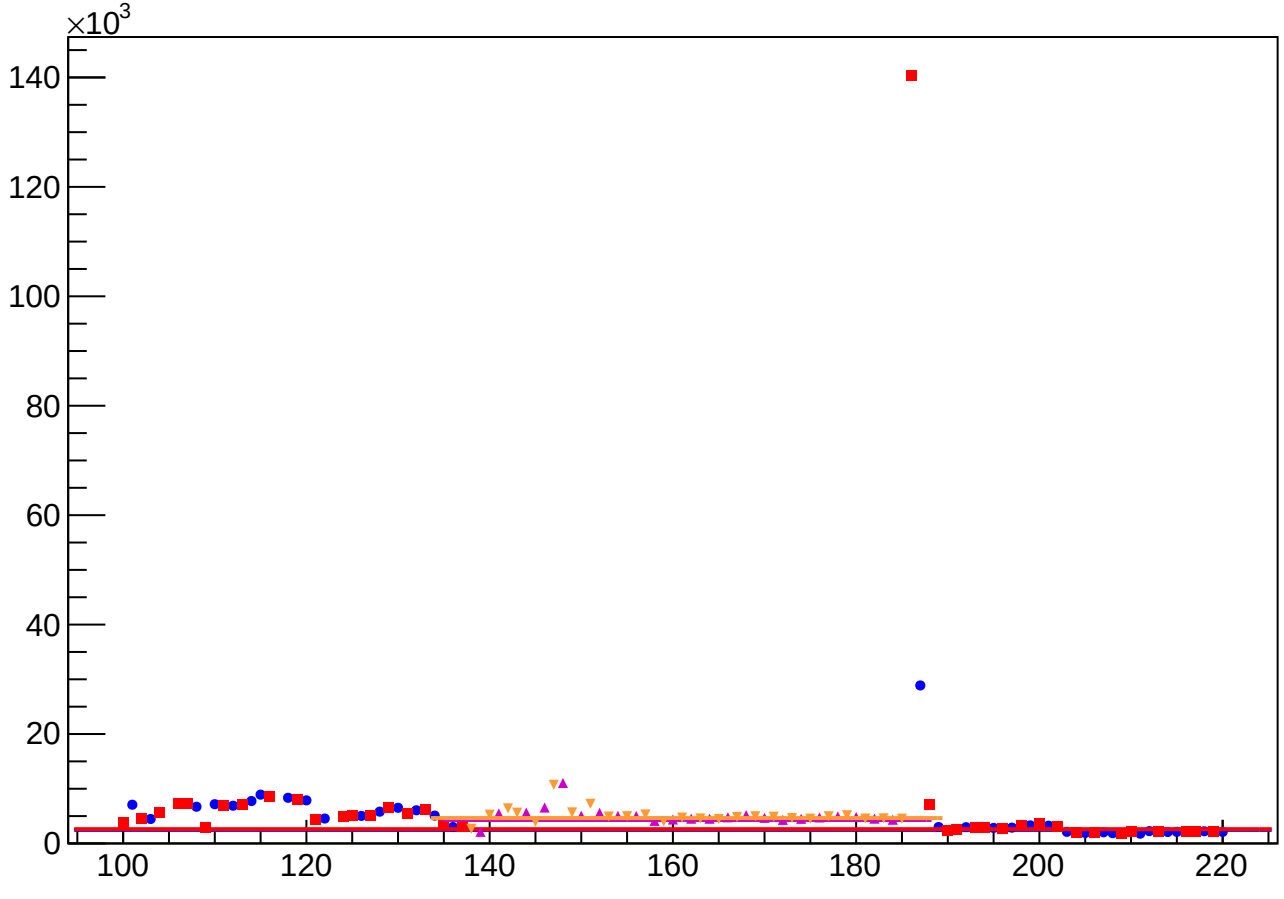
Right: -1.051+/-0.429 χ^2/NDF: 275.4/69

In: 1.569+/-0.517 χ^2/NDF:76.8/55

Out: -3.240+/-0.541 χ^2/NDF:213.7/61

All: -0.727+/-0.374 χ^2/NDF: 331.8/117

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 2483.569+/-0.418 χ^2/NDF: 6101516.4/32

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2606.315+/-0.440 χ^2/NDF: 6562501.2/36

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

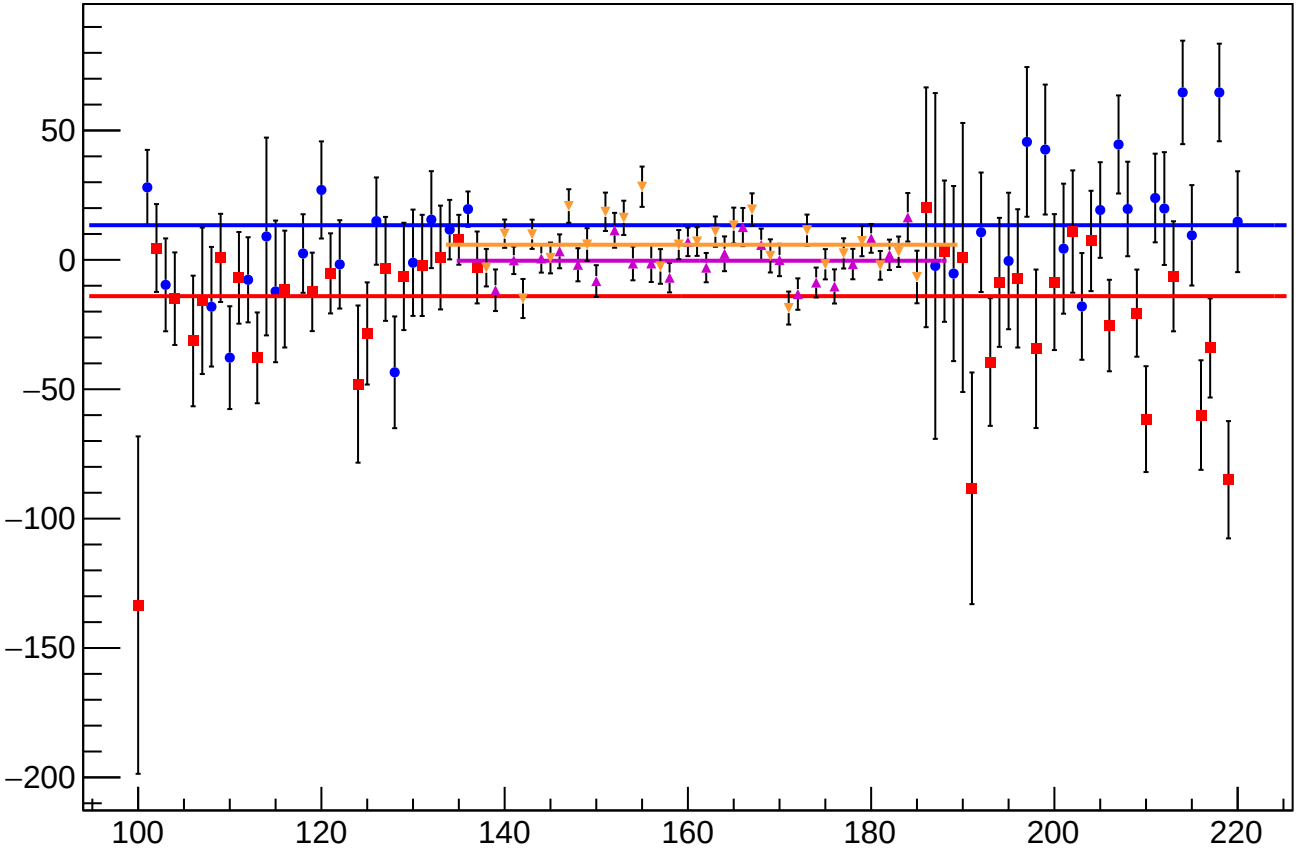
Right: 2541.870+/-0.303 χ^2/NDF: 12704895.2/69

In: 2913.560+/-0.365 χ^2/NDF:13646513.0/55

Out: 3102.668+/-0.382 χ^2/NDF:13535314.8/61

All: 3003.817+/-0.264 χ^2/NDF: 27309671.3/1

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 13.389+/-3.094 χ^2/NDF: 46.9/32

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -14.026+/-3.296 χ^2/NDF: 46.5/36

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

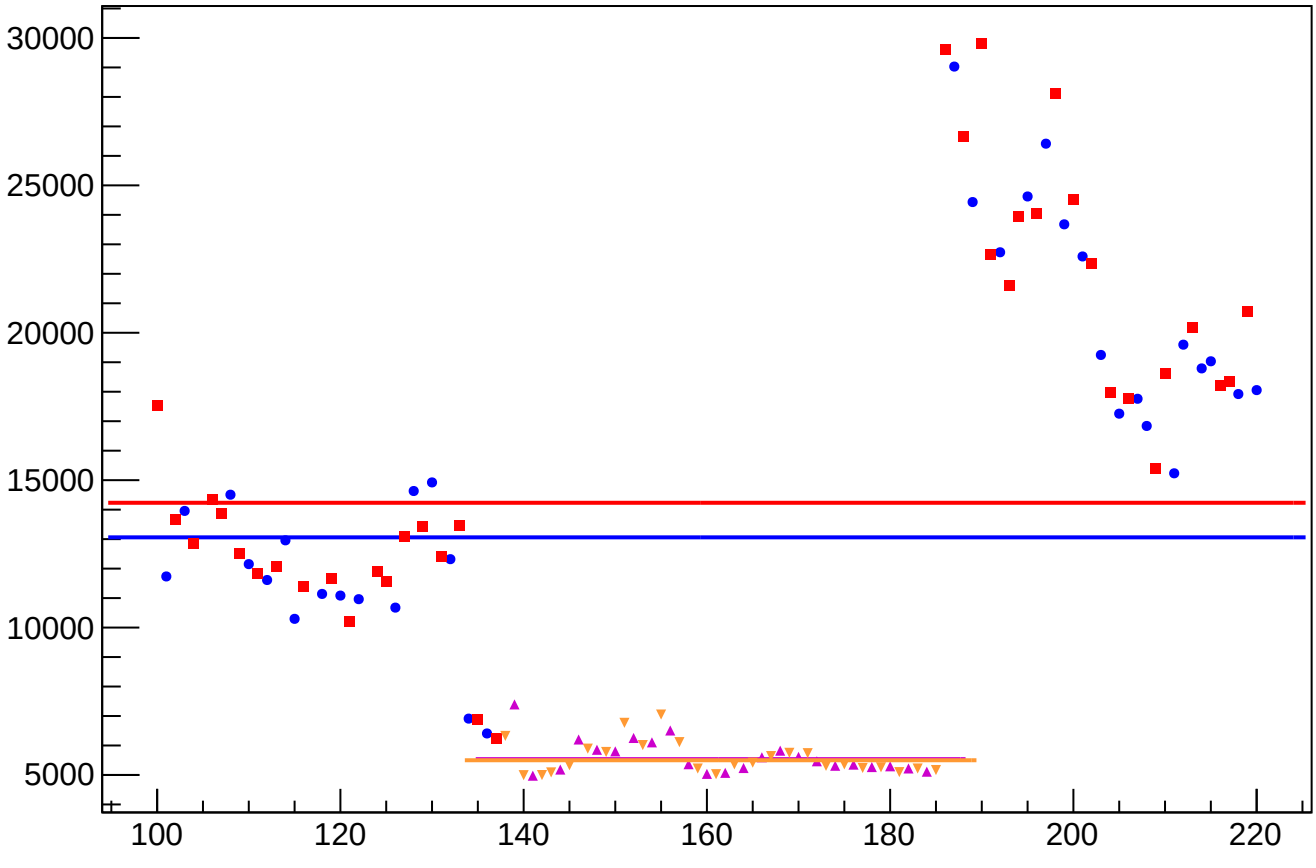
Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

Right: 0.550+/-2.256 χ^2/NDF: 130.2/69

In: 1.725+/-1.199 χ^2/NDF:93.0/55

Out: 3.324+/-1.175 χ^2/NDF:138.3/61

All: 2.541+/-0.839 χ^2/NDF: 232.2/117



Right In: 13060.327+/-2.188 χ^2/NDF: 6167592.8/32

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 14232.969+/-2.331 χ^2/NDF: 5561693.2/36

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

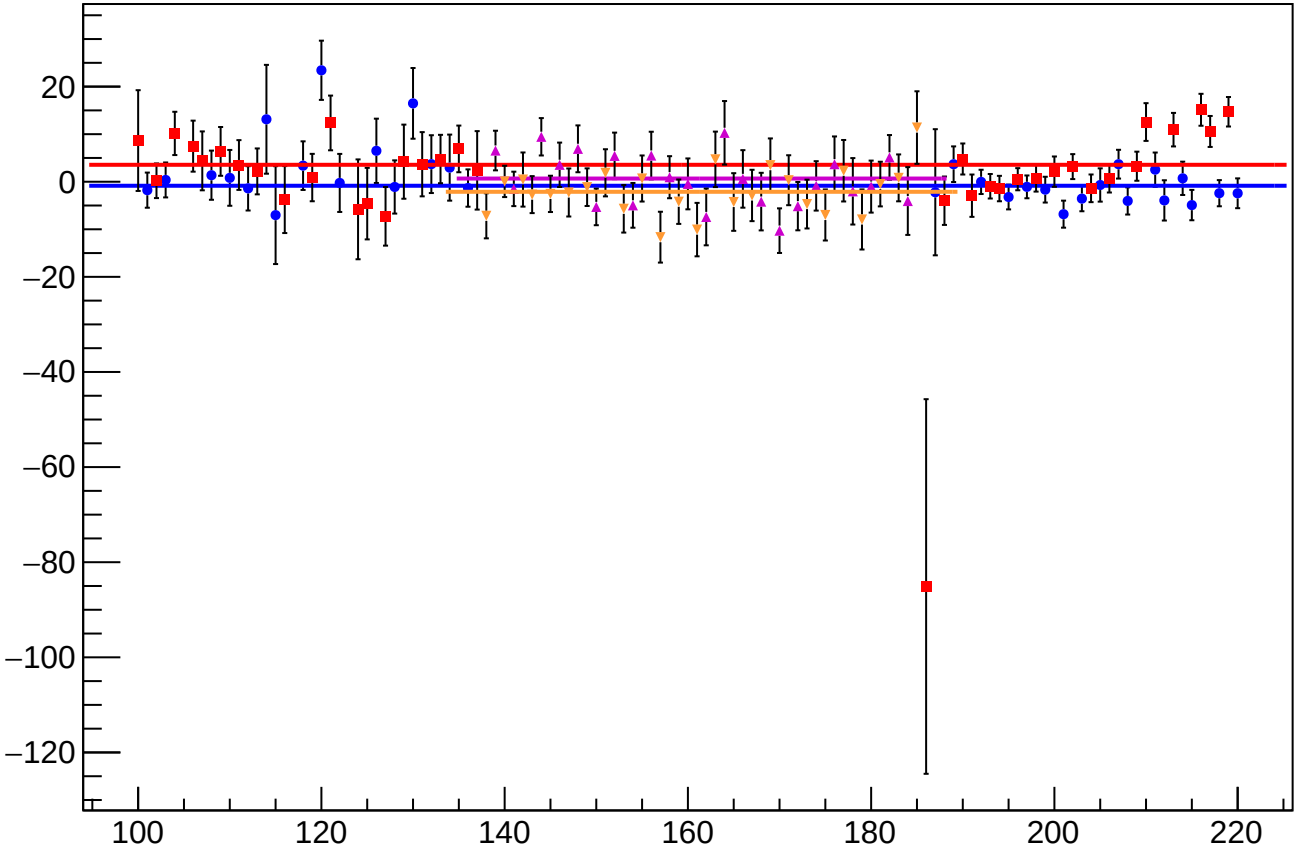
Right: 13609.496+/-1.595 χ^2/NDF: 11863863.2/69

In: 6667.943+/-0.848 χ^2/NDF:16520767.2/55

Out: 6608.668+/-0.831 χ^2/NDF:18116578.9/61

All: 6637.700+/-0.593 χ^2/NDF: 34639839.7/1

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.846+/-0.650 χ^2/NDF: 41.0/32

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 3.560+/-0.647 χ^2/NDF: 75.3/36

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

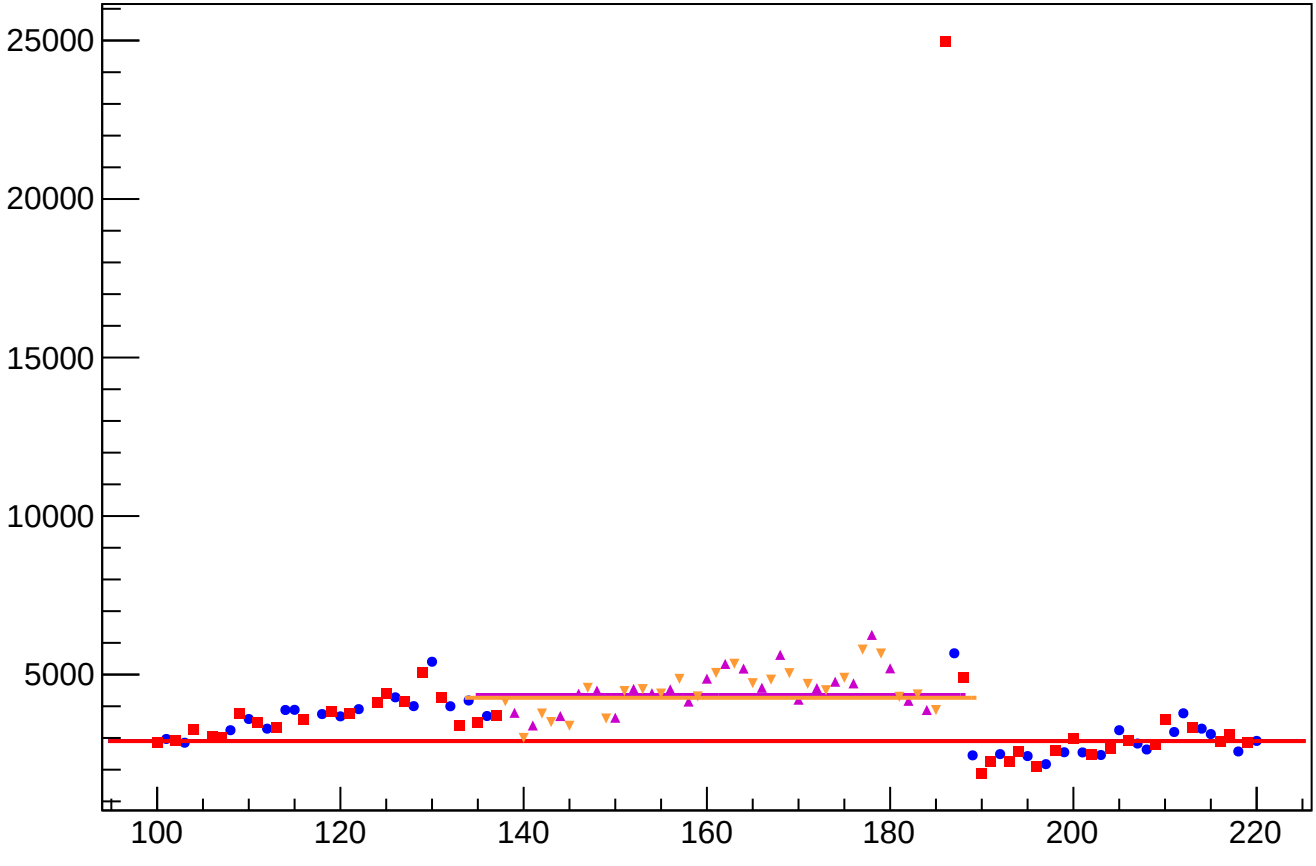
Right: 1.367+/-0.459 χ^2/NDF: 139.4/69

In: -0.415+/-0.550 χ^2/NDF:70.9/55

Out: 1.855+/-0.541 χ^2/NDF:115.9/61

All: 0.738+/-0.386 χ^2/NDF: 195.4/117

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2904.321+/-0.460 χ^2/NDF: 1566224.6/32

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2901.720+/-0.458 χ^2/NDF: 2523621.1/36

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

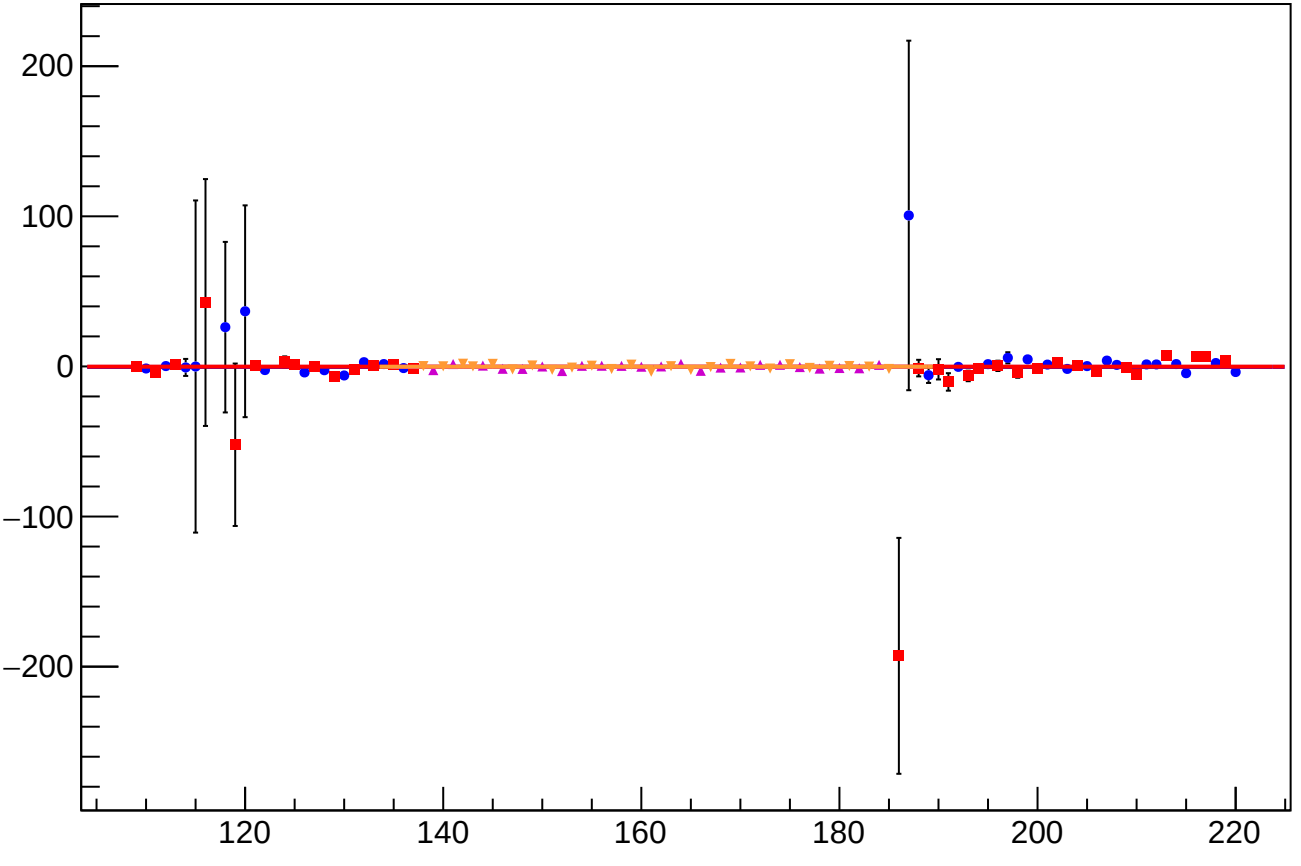
Right: 2903.015+/-0.324 χ^2/NDF: 4089861.9/69

In: 3317.260+/-0.389 χ^2/NDF:5146512.6/55

Out: 3312.115+/-0.383 χ^2/NDF:6236312.9/61

All: 3314.647+/-0.273 χ^2/NDF: 11382914.5/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.346+/-0.483 χ^2/NDF: 34.7/29

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.158+/-0.497 χ^2/NDF: 60.0/31

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

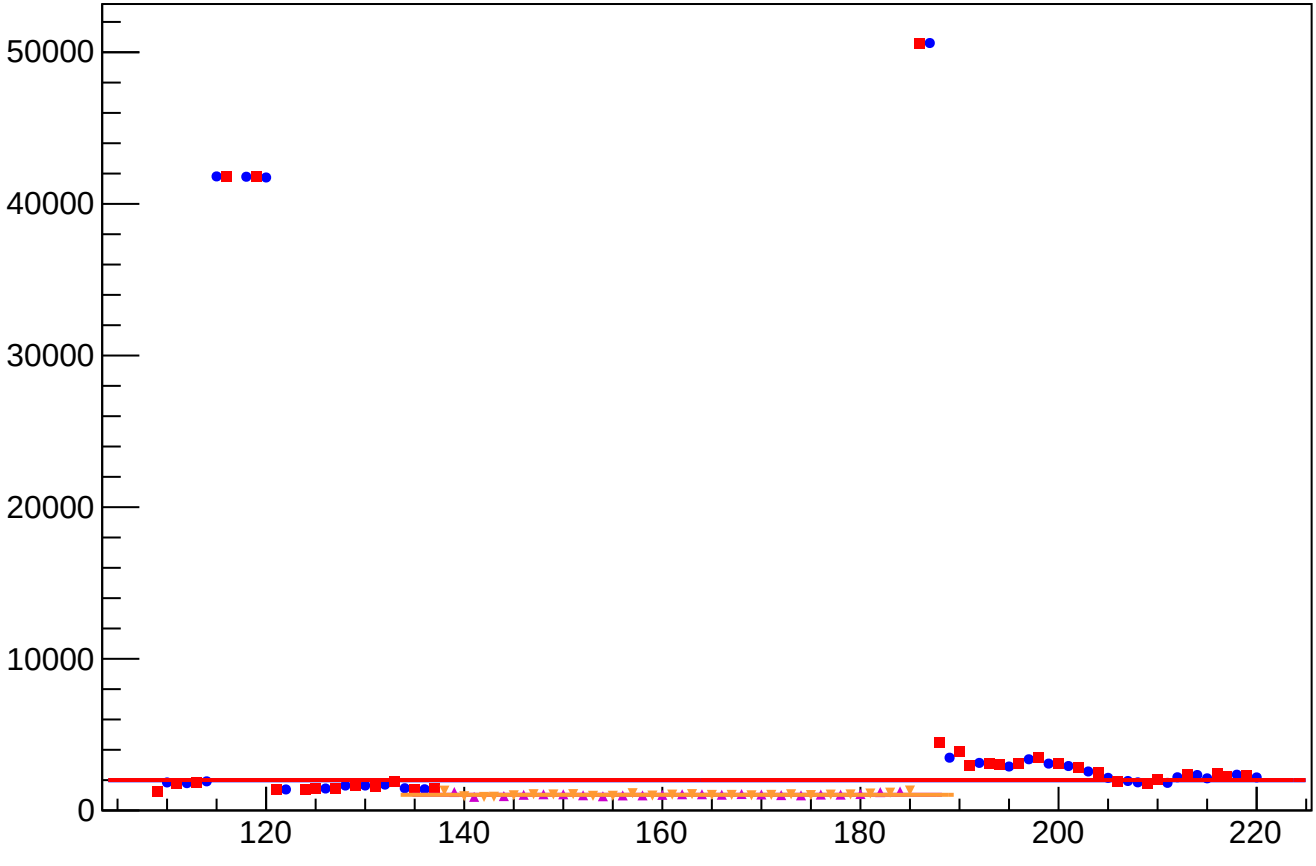
Right: -0.255+/-0.346 χ^2/NDF: 94.8/61

In: -0.336+/-0.216 χ^2/NDF:64.2/52

Out: -0.193+/-0.213 χ^2/NDF:93.9/56

All: -0.263+/-0.152 χ^2/NDF: 158.3/109

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1988.352+/-0.342 χ^2/NDF: 4538805.7/29

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 2007.177+/-0.351 χ^2/NDF: 5525514.5/31

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

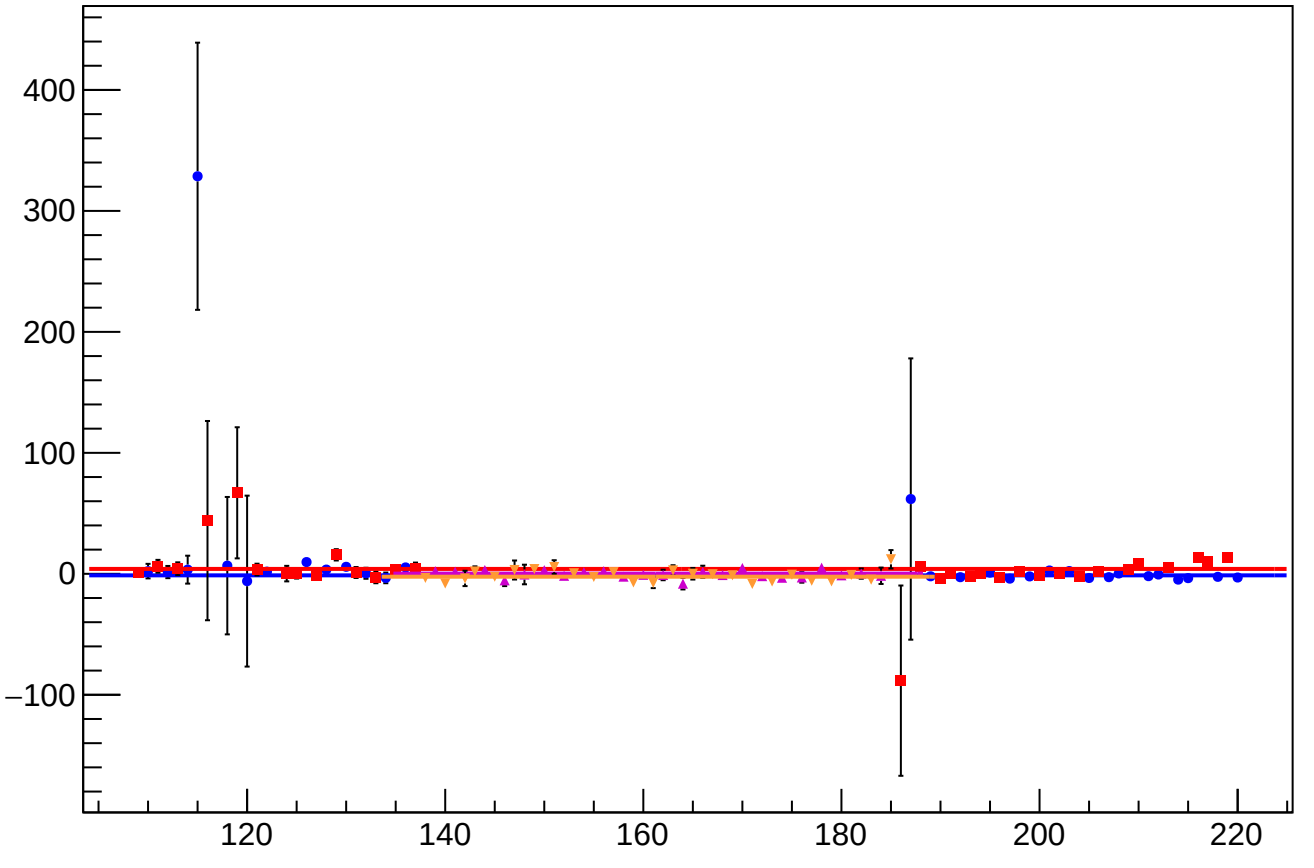
Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

Right: 1997.501+/-0.245 χ^2/NDF: 10065795.4/61

In: 1224.543+/-0.153 χ^2/NDF:10978110.0/52

Out: 1210.408+/-0.150 χ^2/NDF:12065473.2/56

All: 1217.354+/-0.107 χ^2/NDF: 23047919.2/1



Right In: -1.266+/-0.398 χ^2/NDF: 57.7/29

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 4.050+/-0.420 χ^2/NDF: 164.1/31

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

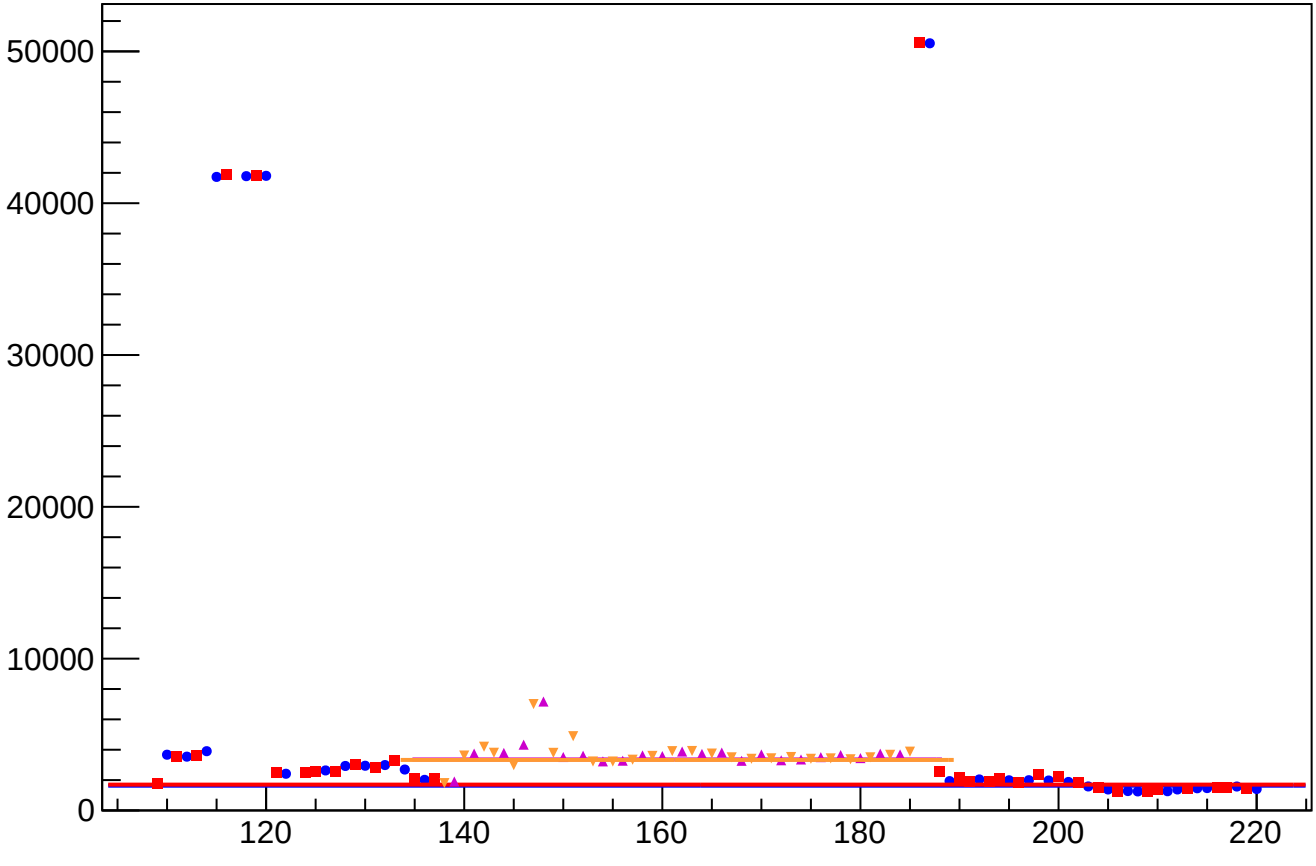
Right: 1.253+/-0.289 χ^2/NDF: 306.3/61

In: -0.986+/-0.357 χ^2/NDF:72.9/52

Out: 2.613+/-0.370 χ^2/NDF:240.9/56

All: 0.752+/-0.257 χ^2/NDF: 362.9/109

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 1630.930+/-0.282 χ^2/NDF: 4737171.9/29

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1701.680+/-0.297 χ^2/NDF: 4894679.2/31

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

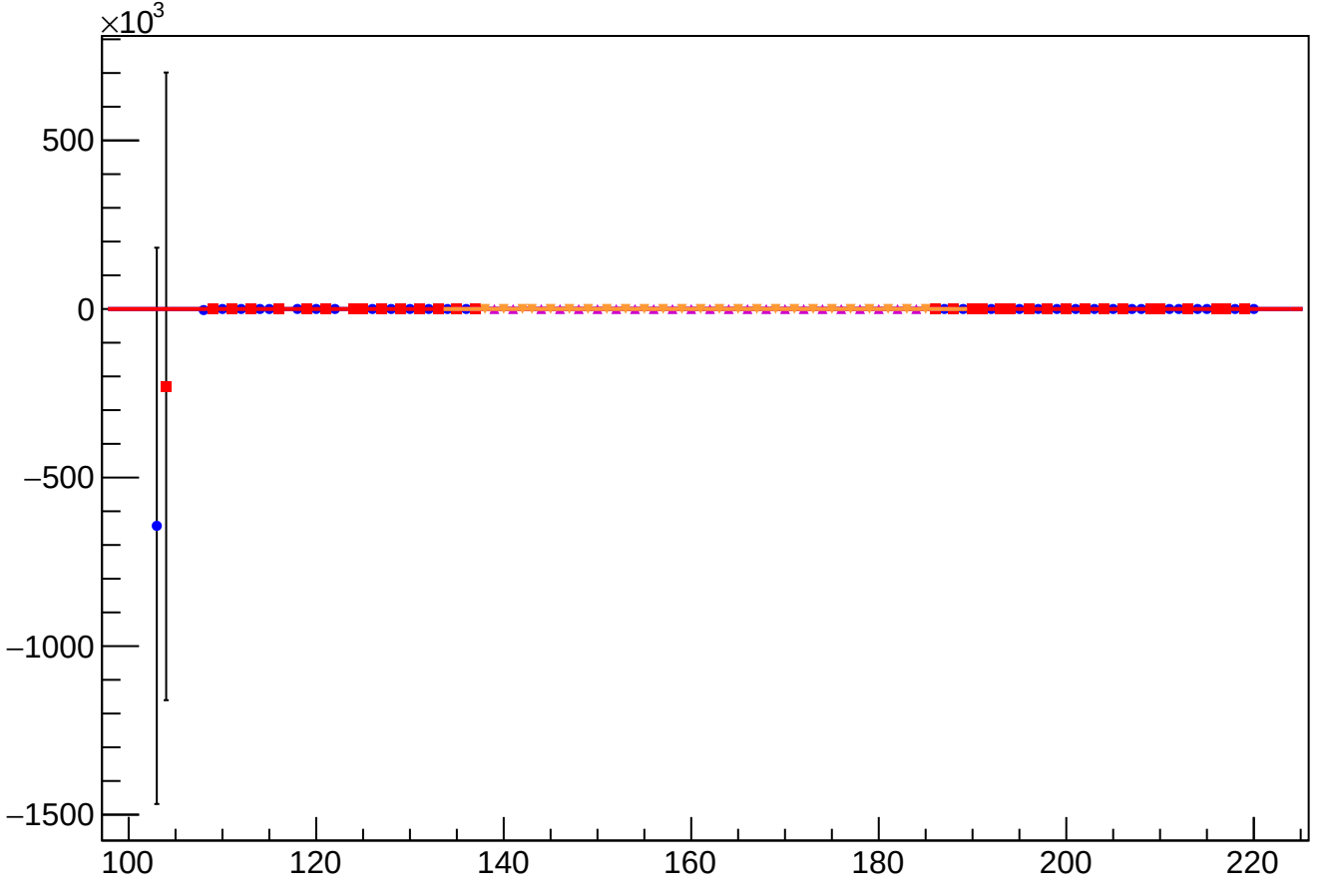
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 1664.455+/-0.204 χ^2/NDF: 9661776.5/61

In: 1967.813+/-0.253 χ^2/NDF:13739099.0/52

Out: 2065.143+/-0.261 χ^2/NDF:13528055.6/56

All: 2014.815+/-0.182 χ^2/NDF: 27338832.6/1



Right In: -2.480+/-0.513 χ^2/NDF: 46.2/31

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 3.645+/-0.536 χ^2/NDF: 89.8/32

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

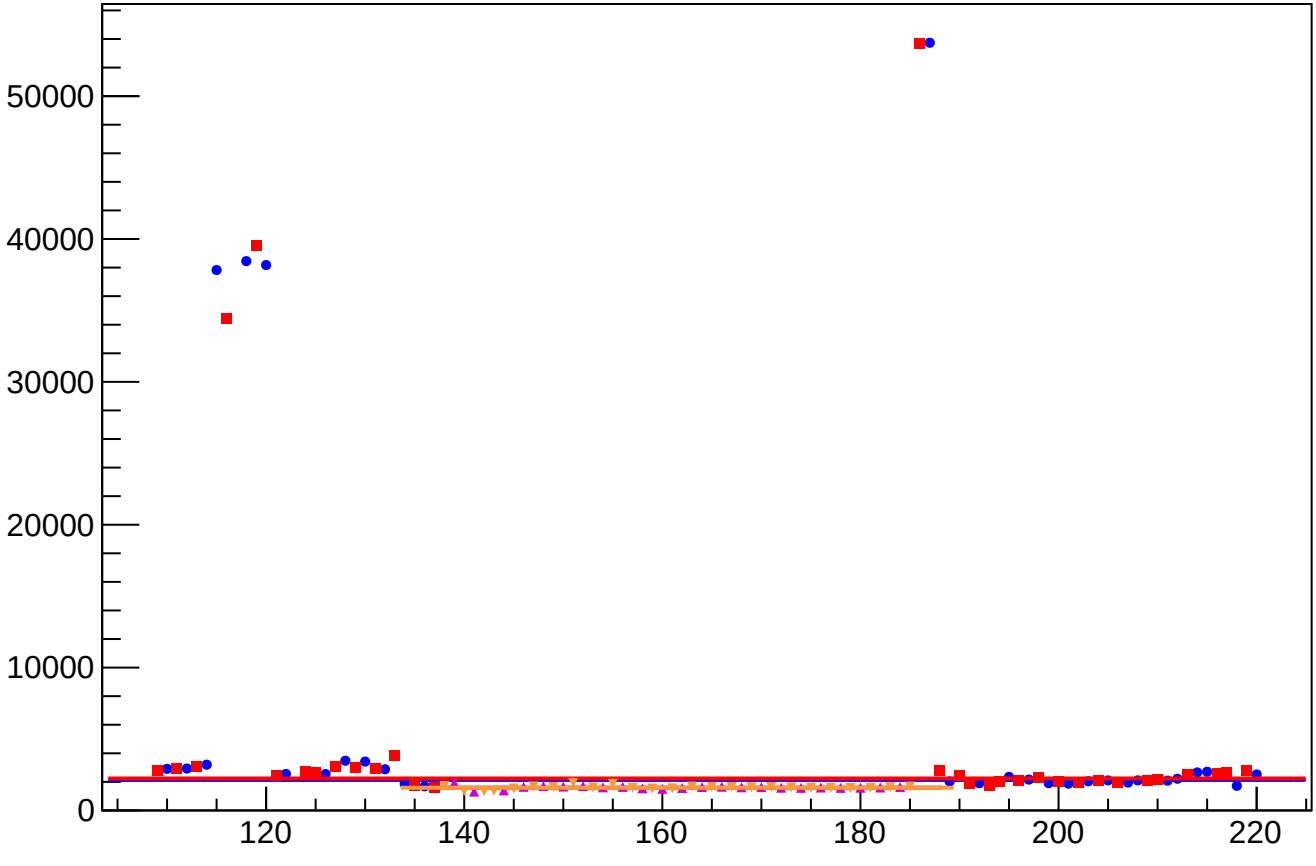
Right: 0.450+/-0.371 χ^2/NDF: 204.1/64

In: -0.873+/-0.303 χ^2/NDF:88.5/54

Out: 0.067+/-0.301 χ^2/NDF:205.1/57

All: -0.400+/-0.213 χ^2/NDF: 298.5/112

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2139.609+/-0.363 χ^2/NDF: 3269694.0/29

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2237.728+/-0.379 χ^2/NDF: 3439474.2/31

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

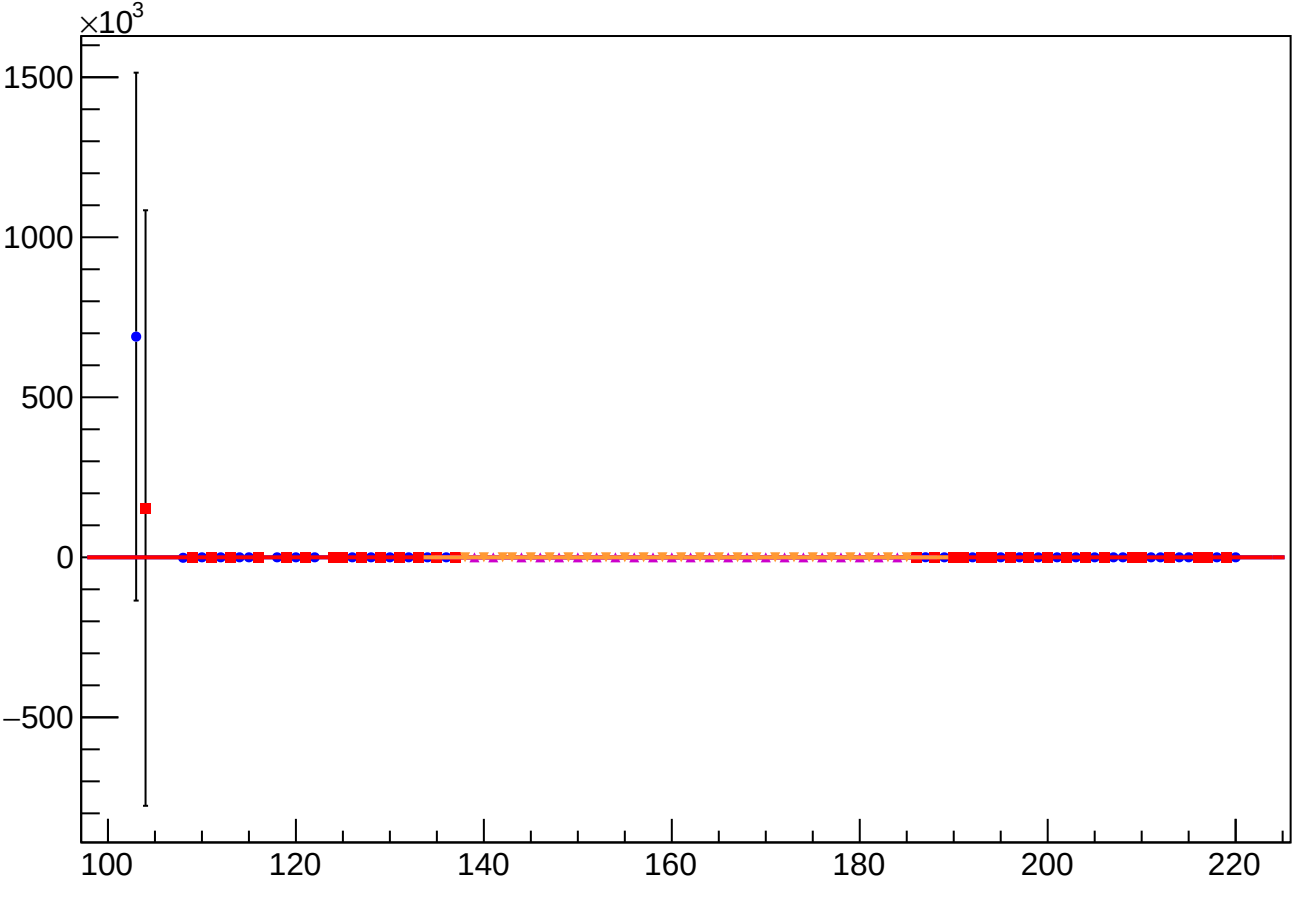
Right: 2186.554+/-0.262 χ^2/NDF: 6744116.3/61

In: 1784.869+/-0.214 χ^2/NDF:4929177.6/52

Out: 1793.218+/-0.212 χ^2/NDF:5677564.0/56

All: 1789.071+/-0.151 χ^2/NDF: 10607508.4/1

diff_bpm1p03aY_mean vs Slug, Sign Corrected



Right In: -0.367+/-0.331 χ^2/NDF: 29.4/31

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 1.800+/-0.341 χ^2/NDF: 67.0/32

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

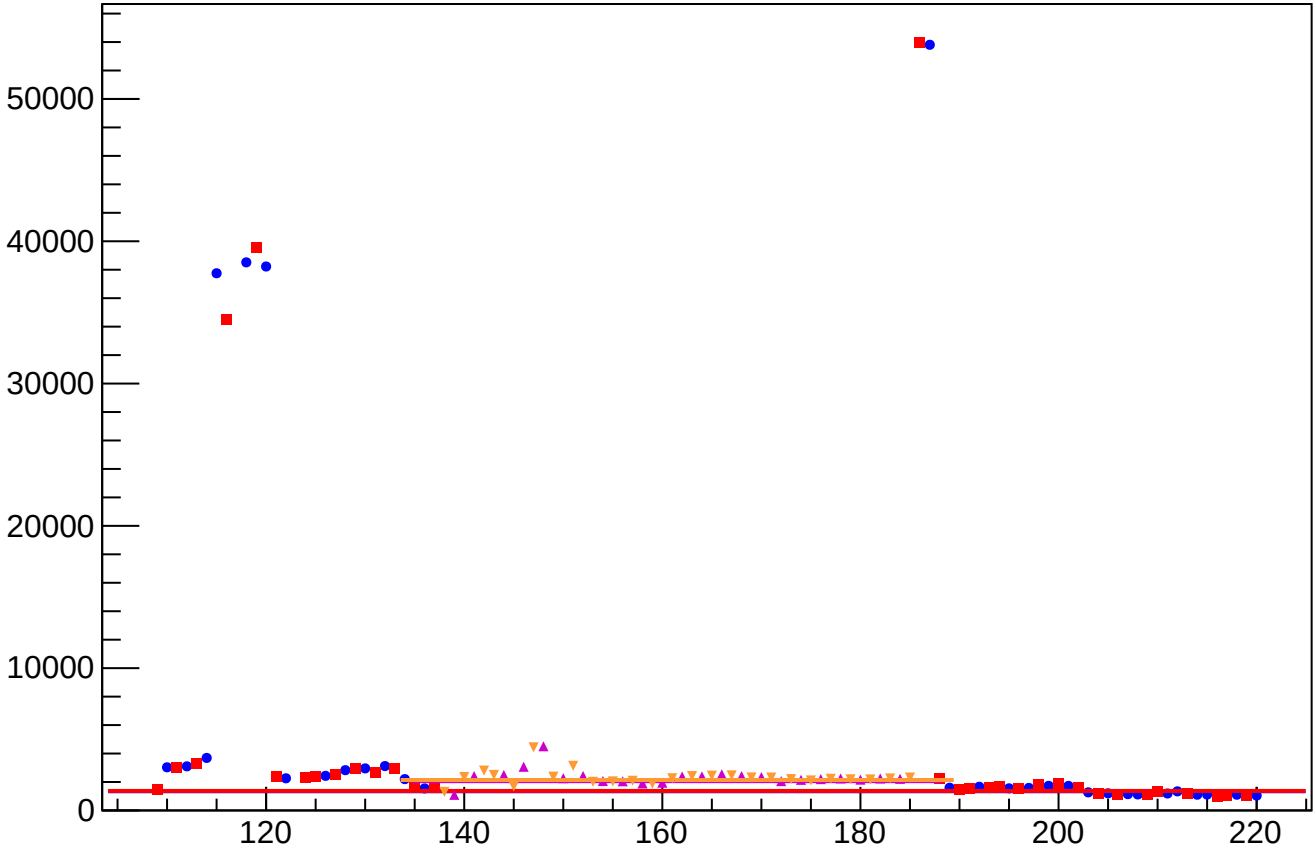
Right: 0.685+/-0.238 χ^2/NDF: 117.2/64

In: -0.293+/-0.276 χ^2/NDF:46.4/54

Out: 0.860+/-0.282 χ^2/NDF:115.5/57

All: 0.272+/-0.197 χ^2/NDF: 170.5/112

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1349.482+/-0.234 χ^2/NDF: 5105866.1/29

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1371.063+/-0.241 χ^2/NDF: 5499651.1/31

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

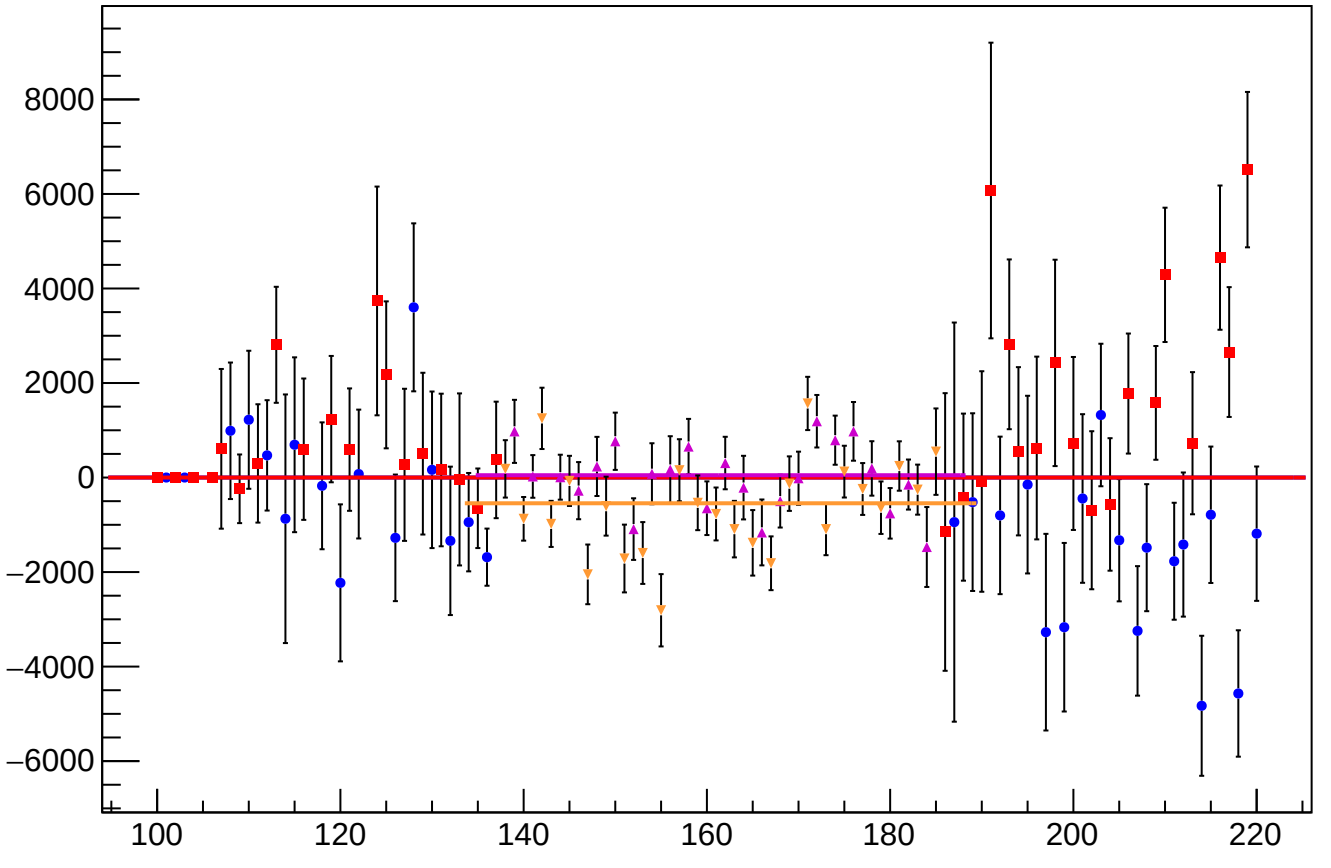
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

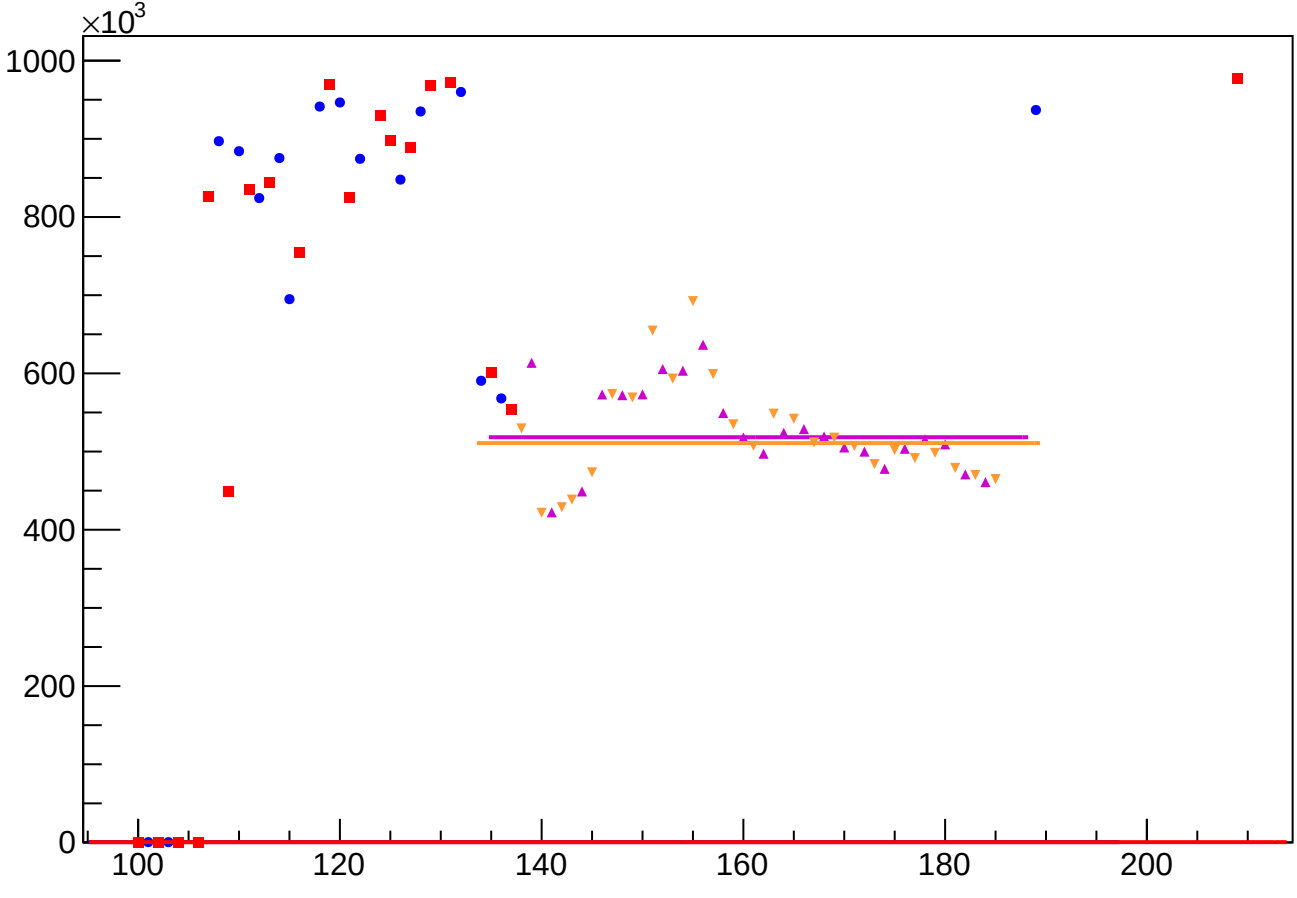
Right: 1359.958+/-0.168 χ^2/NDF: 10609636.0/61

In: 1565.000+/-0.195 χ^2/NDF:10182029.6/52

Out: 1613.426+/-0.200 χ^2/NDF:10179415.0/56

All: 1588.708+/-0.140 χ^2/NDF: 20391497.9/1


diff_cav4bX_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: 0.254+/-0.356 χ²/NDF: 58.7/32
Left Out: -544.414+/-117.154 χ²/NDF:60.9/24
Right Out: -0.095+/-0.328 χ²/NDF: 65.5/36
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: 124.7/69
In: 0.254+/-0.356 χ²/NDF:86.8/55
Out: -0.099+/-0.328 χ²/NDF:148.0/61
All: 0.063+/-0.241 χ²/NDF: 235.3/117



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.242+/-0.232 χ^2/NDF: 7684547.6/18

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

Left: 514412.615+/-59.736 χ^2/NDF: 913427.9/47

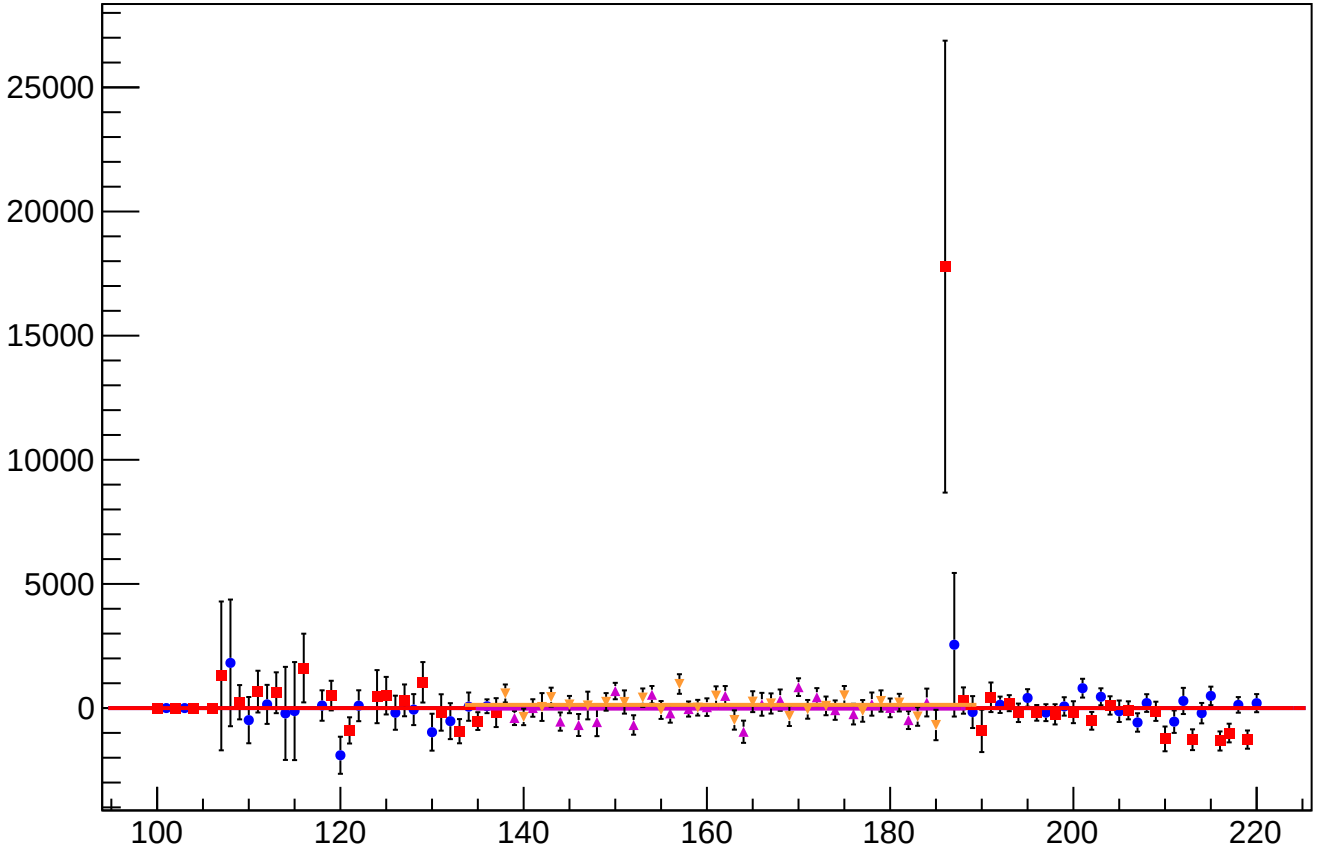
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

In: 403.300+/-0.251 χ^2/NDF:45168150.0/38

Out: 397.237+/-0.232 χ^2/NDF:46157267.3/43

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.347 χ^2/NDF: 26.4/32

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.603+/-0.324 χ^2/NDF: 71.1/36

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

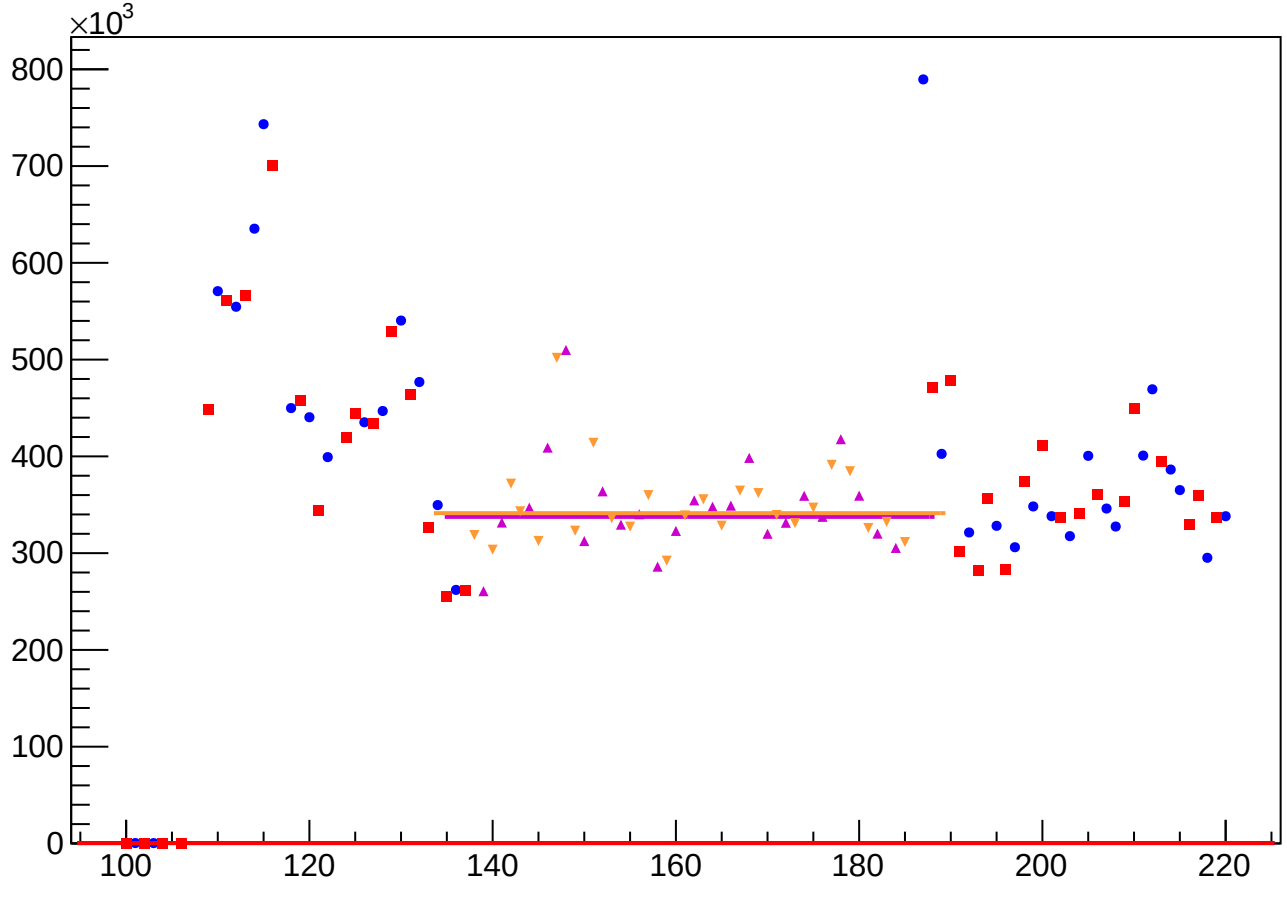
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.331+/-0.237 χ^2/NDF: 99.1/69

In: -0.019+/-0.347 χ^2/NDF:60.2/55

Out: -0.601+/-0.324 χ^2/NDF:94.0/61

All: -0.330+/-0.237 χ^2/NDF: 155.7/117



Right In: 394.866+/-0.245 χ^2/NDF: 37673980.9/31

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 391.880+/-0.229 χ^2/NDF: 37596374.3/34

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

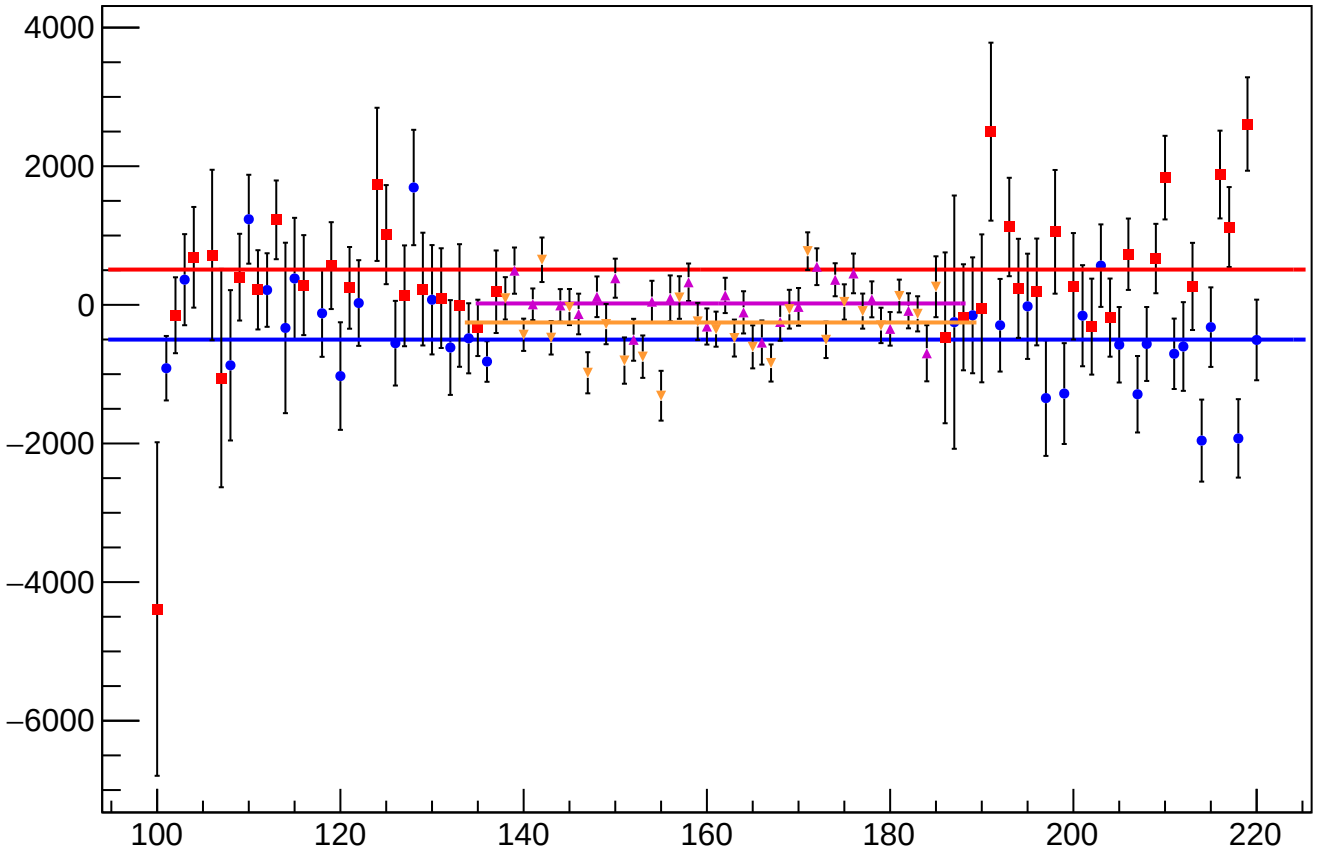
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

Right: 393.269+/-0.167 χ^2/NDF: 75270434.3/66

In: 401.248+/-0.245 χ^2/NDF:73991628.9/54

Out: 397.718+/-0.229 χ^2/NDF:75967024.5/59

All: 399.361+/-0.167 χ^2/NDF: 149958764.0/



Right In: -501.180+/-106.451 χ^2/NDF: 44.1/32

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 509.095+/-112.369 χ^2/NDF: 45.6/36

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

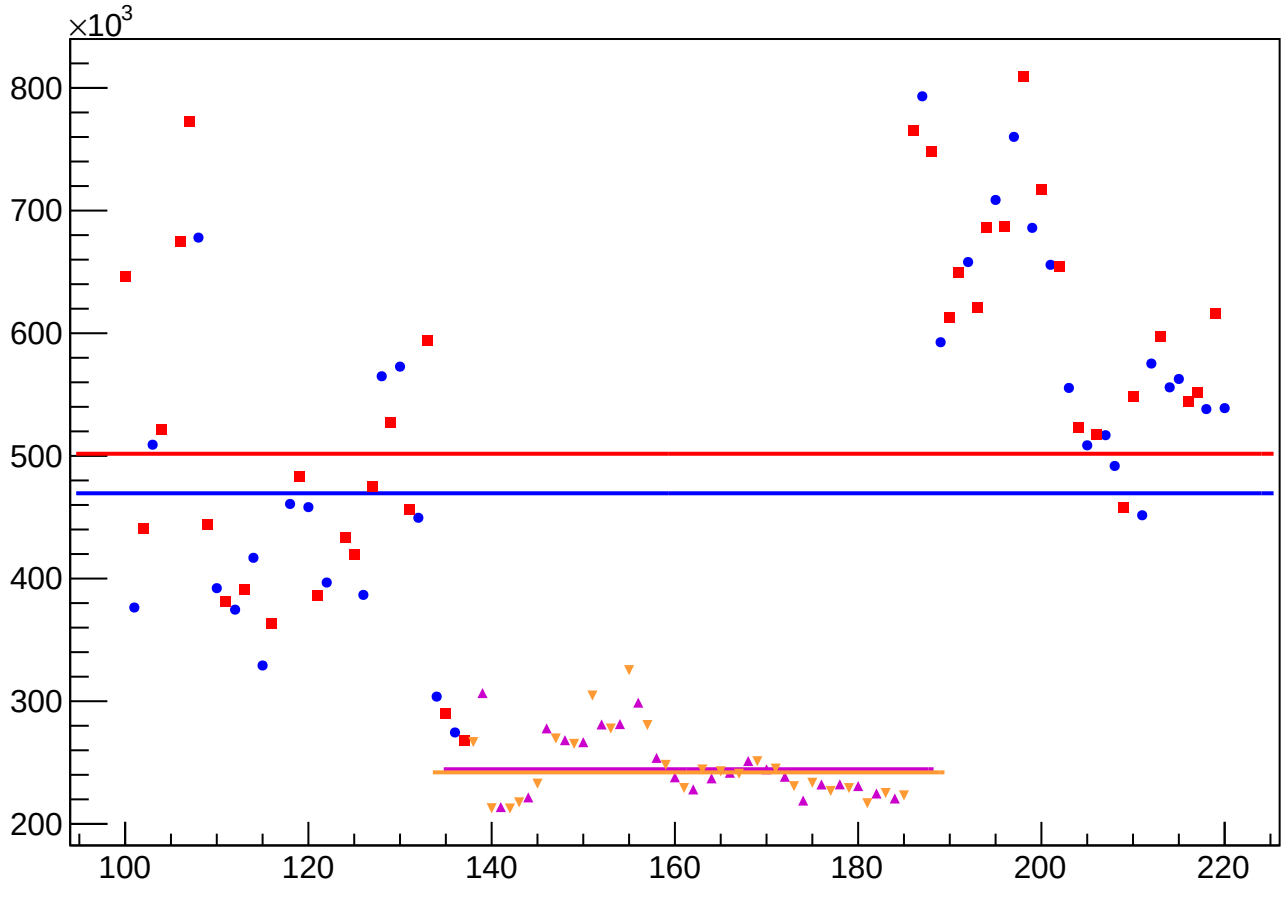
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -23.346+/-77.280 χ^2/NDF: 132.4/69

In: -97.530+/-50.580 χ^2/NDF:91.3/55

Out: -105.008+/-49.702 χ^2/NDF:144.0/61

All: -101.335+/-35.451 χ^2/NDF: 235.3/117



Right In: 469529.715+/-75.283 χ^2/NDF: 2835358.0/32

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 501748.797+/-79.530 χ^2/NDF: 2671772.8/36

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

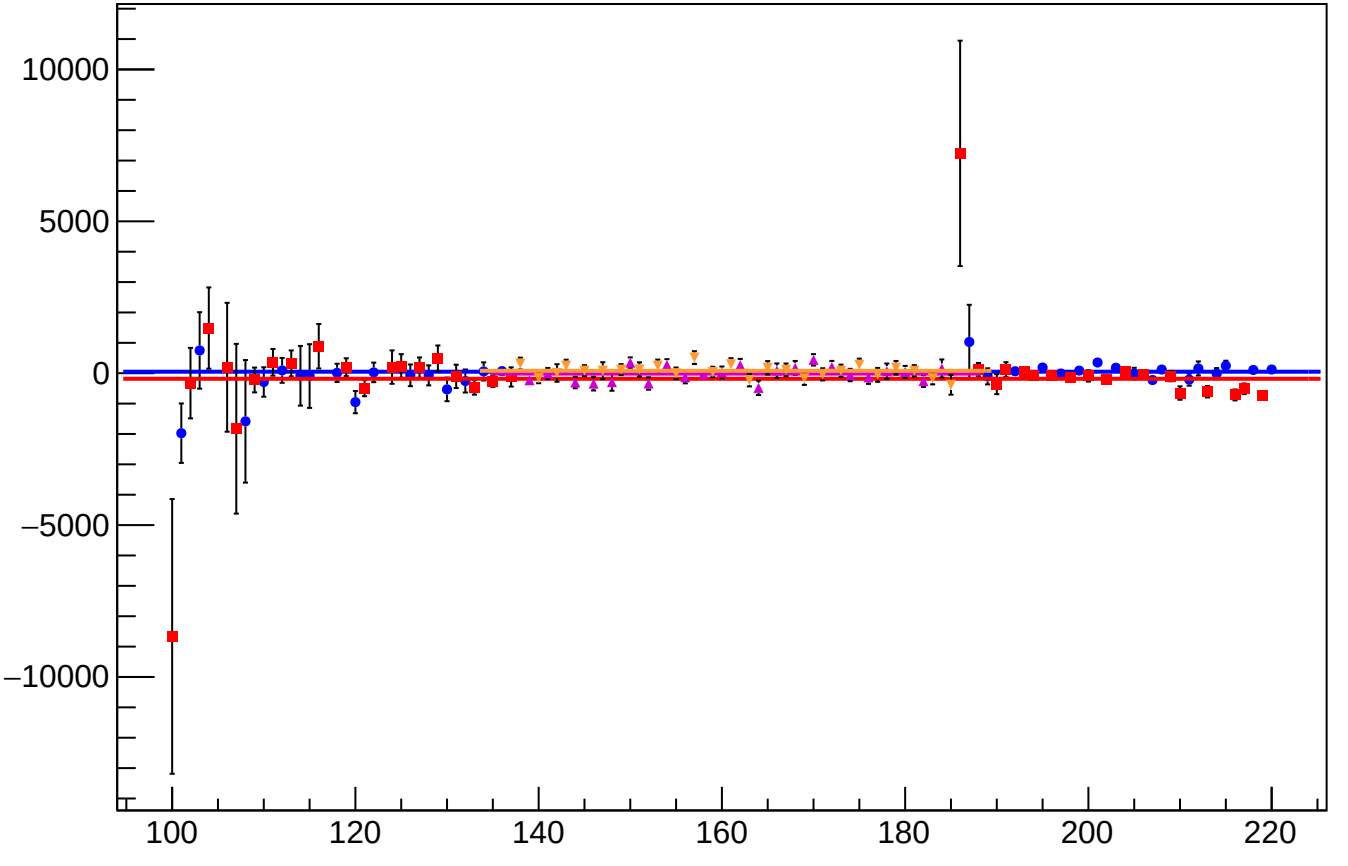
Right: 484756.080+/-54.673 χ^2/NDF: 5593690.3/69

In: 295326.286+/-35.767 χ^2/NDF:10112319.0/55

Out: 292748.566+/-35.151 χ^2/NDF:11667716.2/61

All: 294015.038+/-25.070 χ^2/NDF: 2178267

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: 49.280+/-36.979 χ^2/NDF: 29.9/32

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -183.387+/-37.381 χ^2/NDF: 68.7/36

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

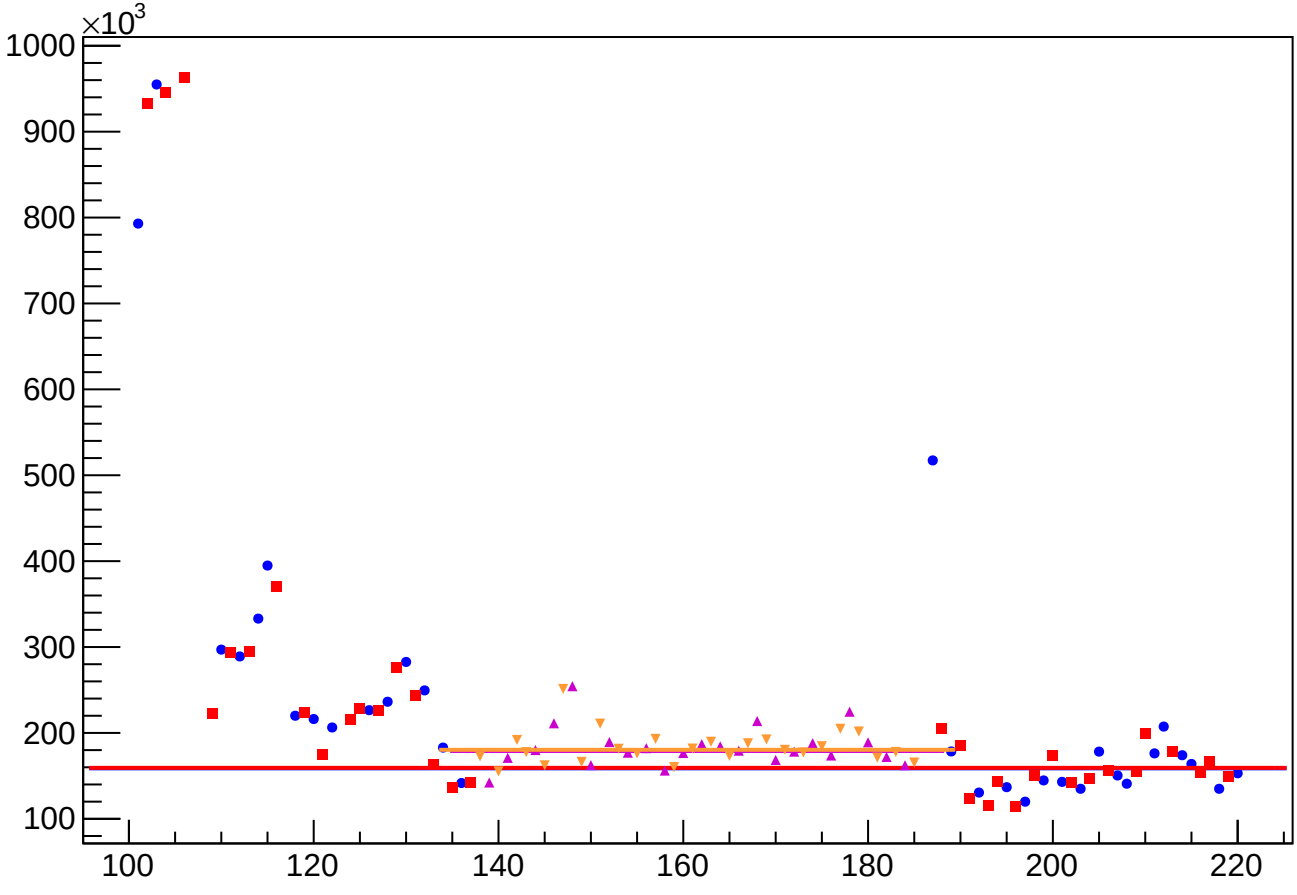
Right: -65.796+/-26.289 χ^2/NDF: 118.2/69

In: 21.805+/-27.821 χ^2/NDF:64.3/55

Out: -65.009+/-27.715 χ^2/NDF:110.7/61

All: -21.769+/-19.635 χ^2/NDF: 179.9/117

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 158795.808+/-26.156 χ^2/NDF: 3432589.3/31

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159341.429+/-26.446 χ^2/NDF: 3373490.9/33

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

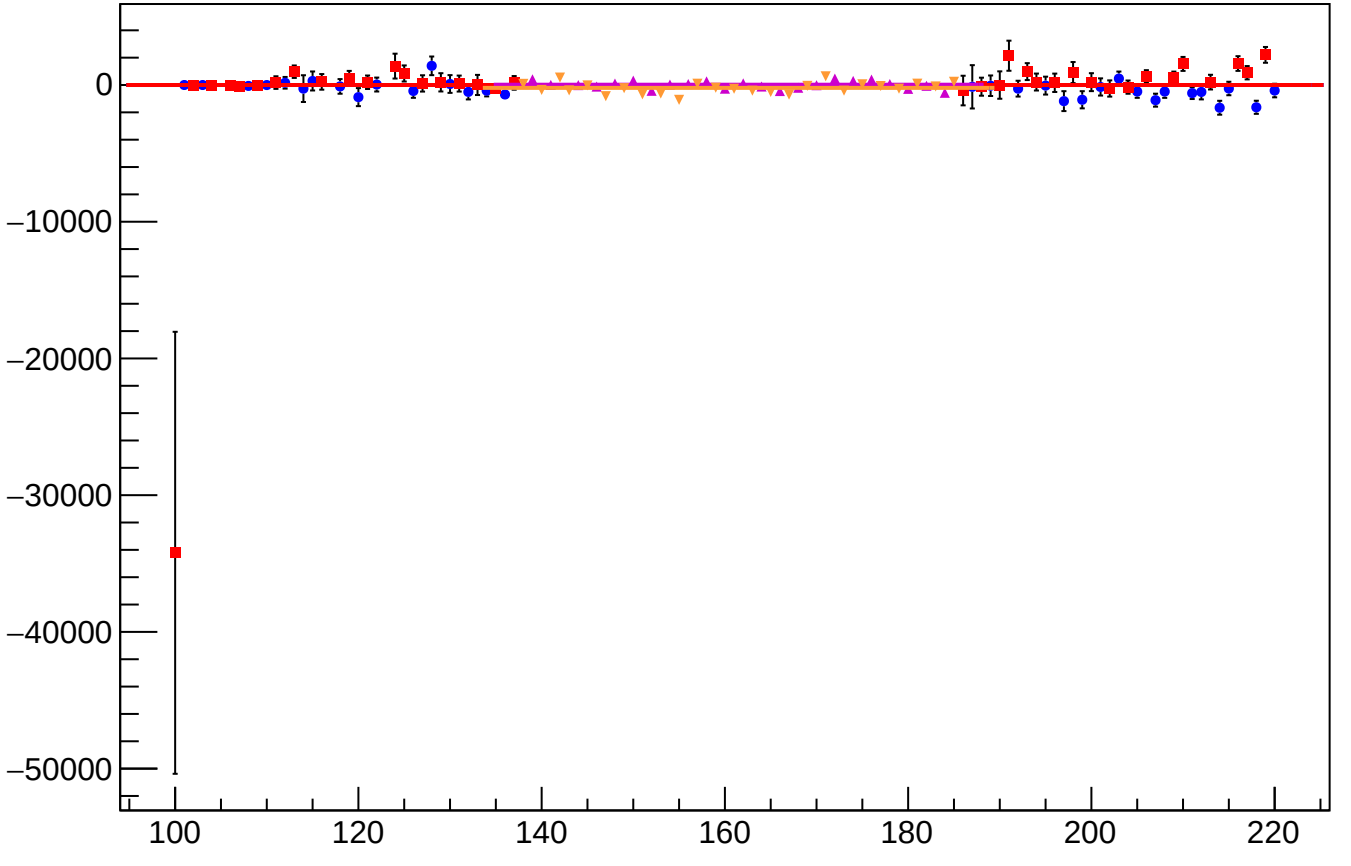
Right: 159065.616+/-18.597 χ^2/NDF: 6806295.5/65

In: 167577.163+/-19.676 χ^2/NDF:4193632.3/54

Out: 168803.744+/-19.603 χ^2/NDF:4004231.4/58

All: 168192.746+/-13.887 χ^2/NDF: 8199814.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.036+/-0.172 χ^2/NDF: 58.4/32

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.356+/-0.160 χ^2/NDF: 64.4/36

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

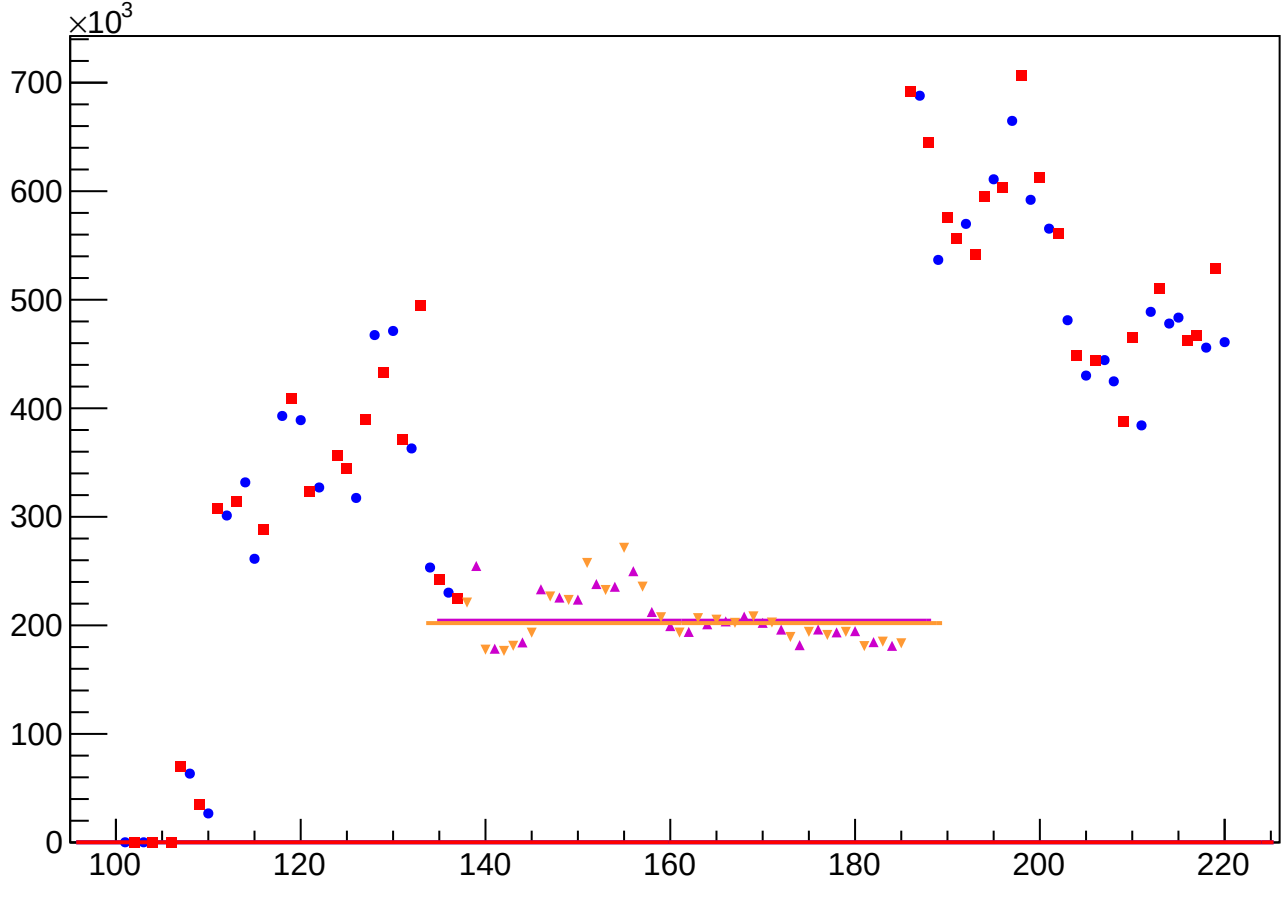
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 125.6/69

In: -0.036+/-0.172 χ^2/NDF:87.1/55

Out: 0.353+/-0.160 χ^2/NDF:146.3/61

All: 0.173+/-0.117 χ^2/NDF: 236.2/117



Right In: 149.915+/-0.122 χ^2/NDF: 38785785.9/32

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 150.062+/-0.113 χ^2/NDF: 39228221.9/35

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

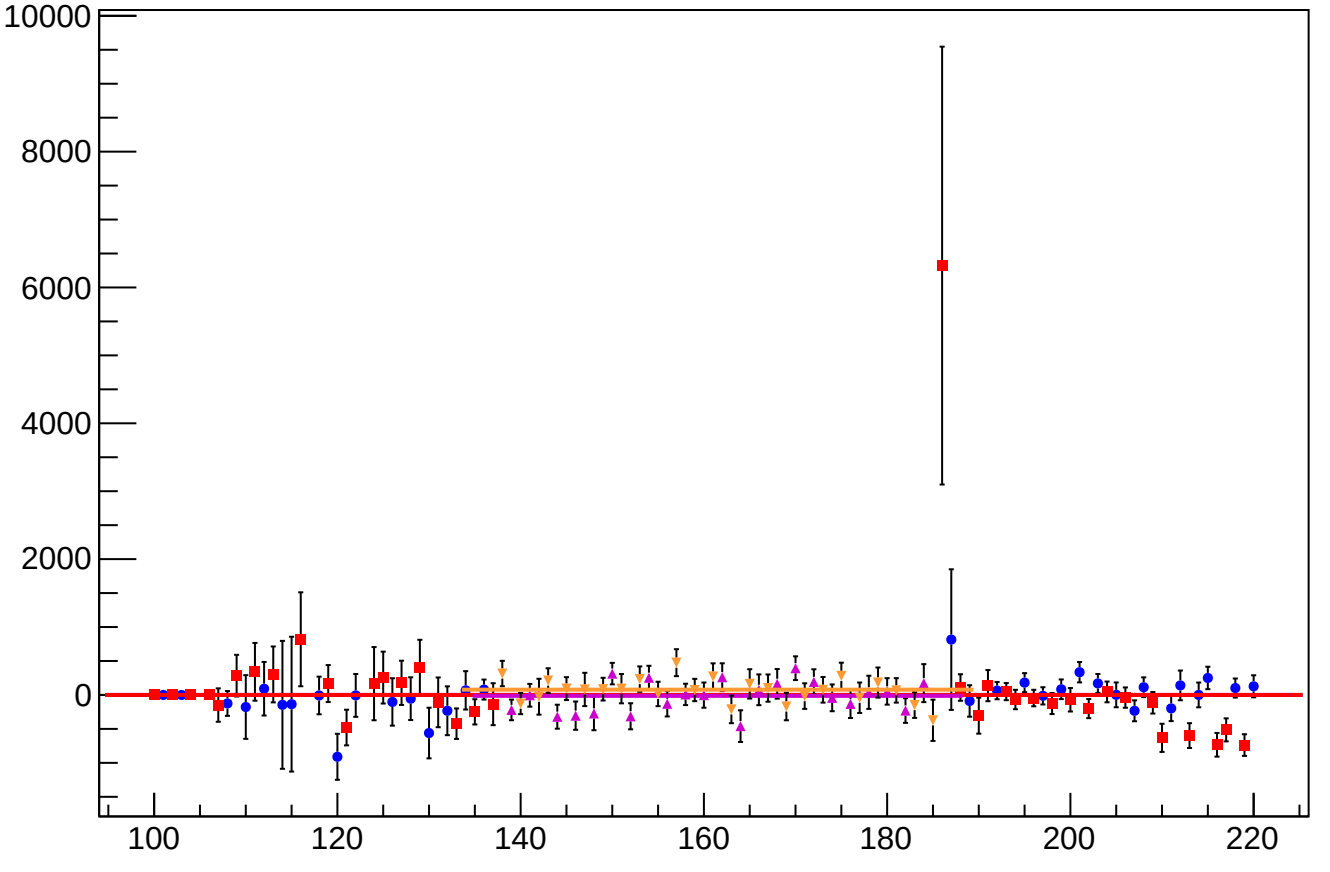
Right: 149.994+/-0.083 χ^2/NDF: 78014008.6/68

In: 152.541+/-0.122 χ^2/NDF:75288314.5/55

Out: 152.478+/-0.113 χ^2/NDF:77723801.7/60

All: 152.507+/-0.083 χ^2/NDF: 153012116.3/

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.066+/-0.177 χ^2/NDF: 28.6/32

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.130+/-0.166 χ^2/NDF: 93.5/36

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

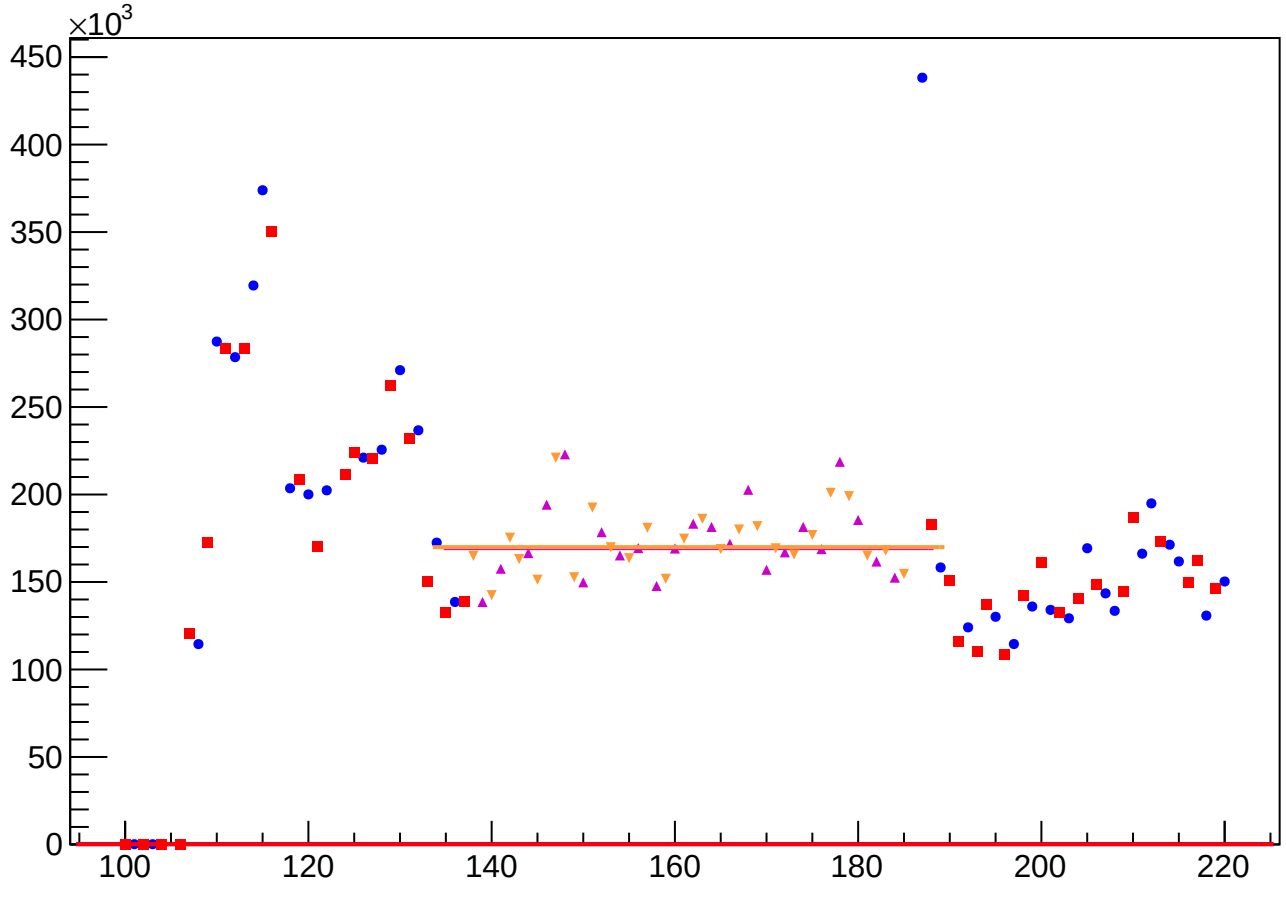
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.100+/-0.121 χ^2/NDF: 122.1/69

In: -0.067+/-0.177 χ^2/NDF:61.4/55

Out: -0.128+/-0.166 χ^2/NDF:116.6/61

All: -0.099+/-0.121 χ^2/NDF: 178.0/117



Right In: 156.397+/-0.125 χ^2/NDF: 38935657.0/32

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.716+/-0.118 χ^2/NDF: 38089555.8/35

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

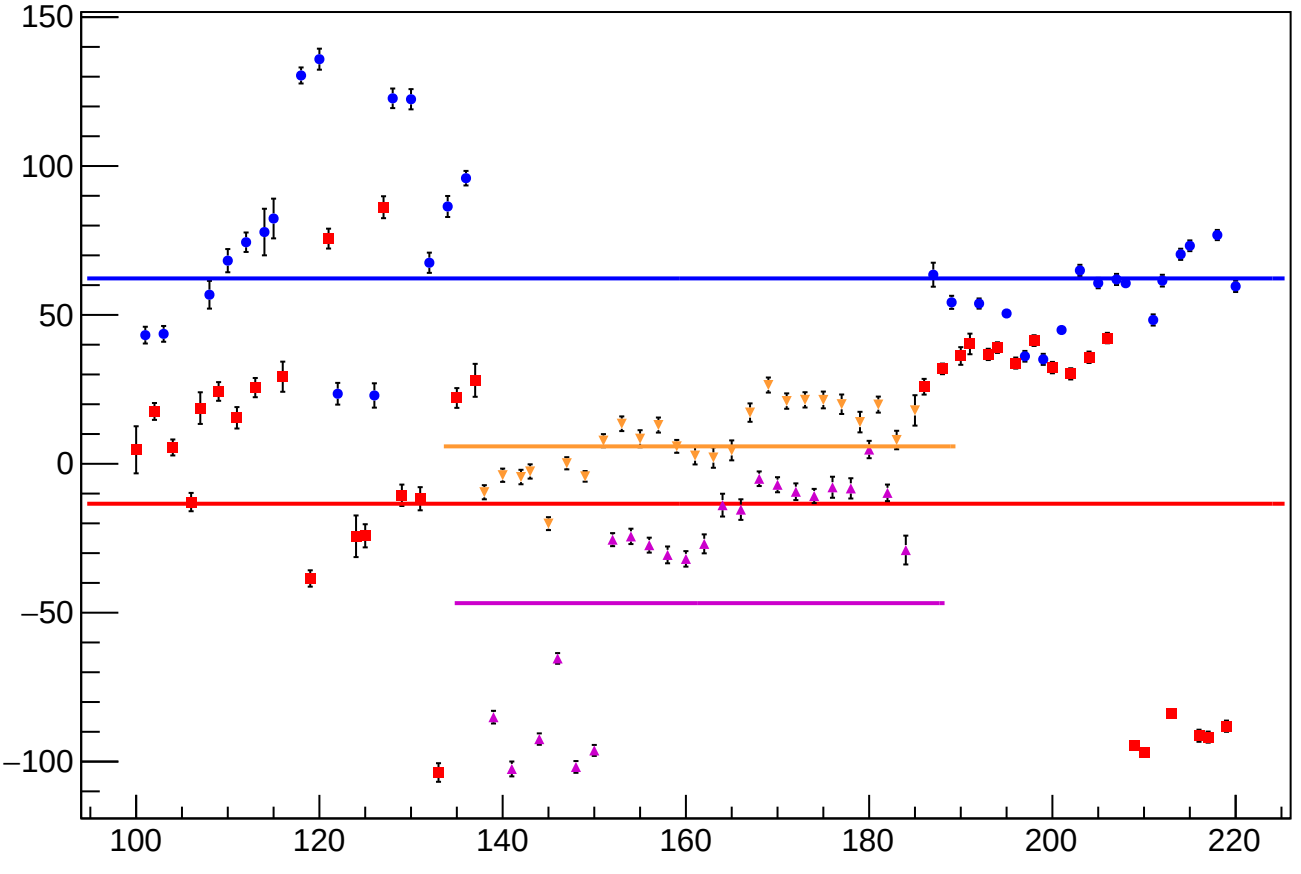
Right: 157.629+/-0.086 χ^2/NDF: 77025394.7/68

In: 159.731+/-0.125 χ^2/NDF:75320486.1/55

Out: 161.822+/-0.118 χ^2/NDF:76499421.2/60

All: 160.842+/-0.086 χ^2/NDF: 151820055.3/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 62.254+/-0.396 χ^2/NDF: 3108.0/32

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -13.409+/-0.386 χ^2/NDF: 24145.7/36

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

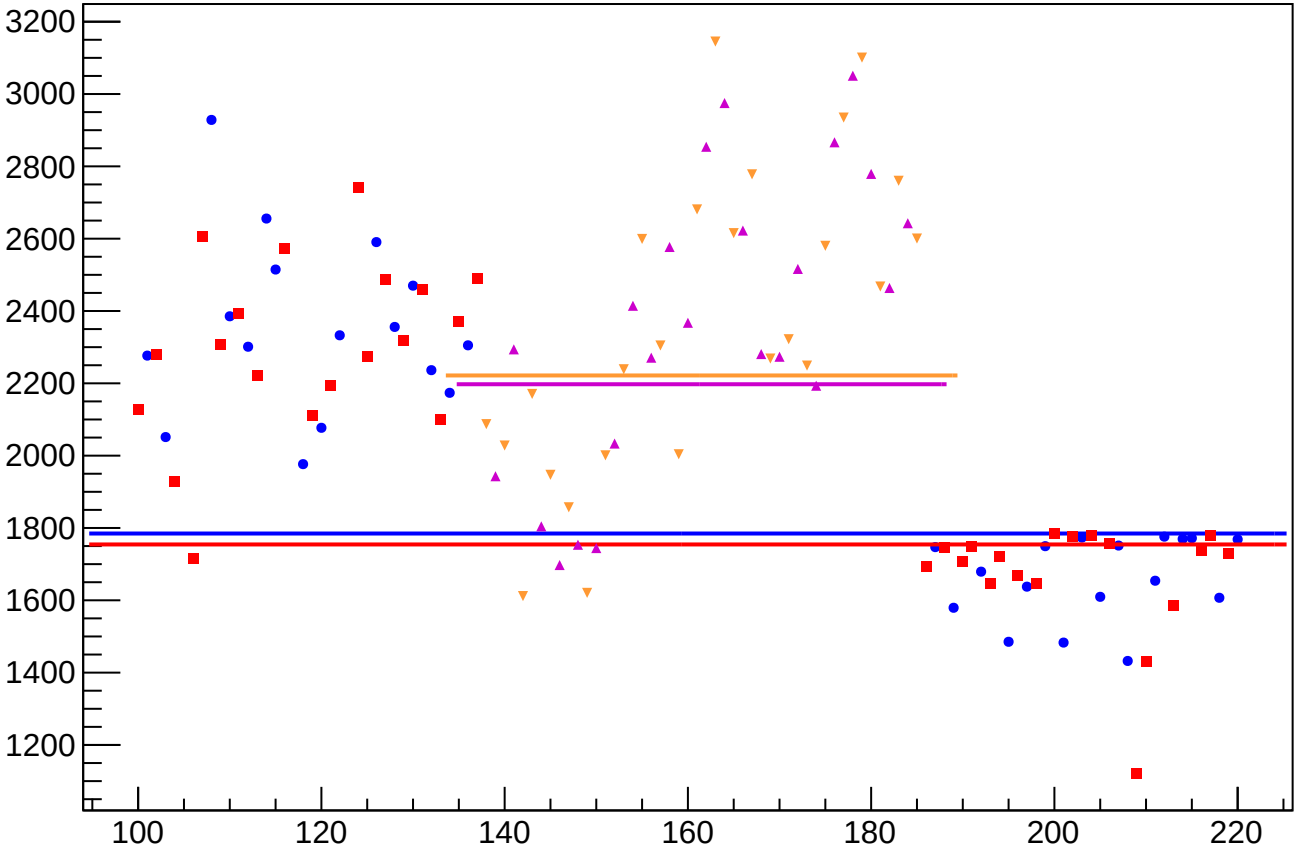
Right: 23.425+/-0.277 χ^2/NDF: 45952.7/69

In: 22.611+/-0.316 χ^2/NDF:35798.3/55

Out: -6.462+/-0.309 χ^2/NDF:25578.7/61

All: 7.724+/-0.221 χ^2/NDF: 65705.2/117

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1784.674+/-0.280 χ^2/NDF: 1110230.2/32

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1754.433+/-0.273 χ^2/NDF: 1478198.0/36

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

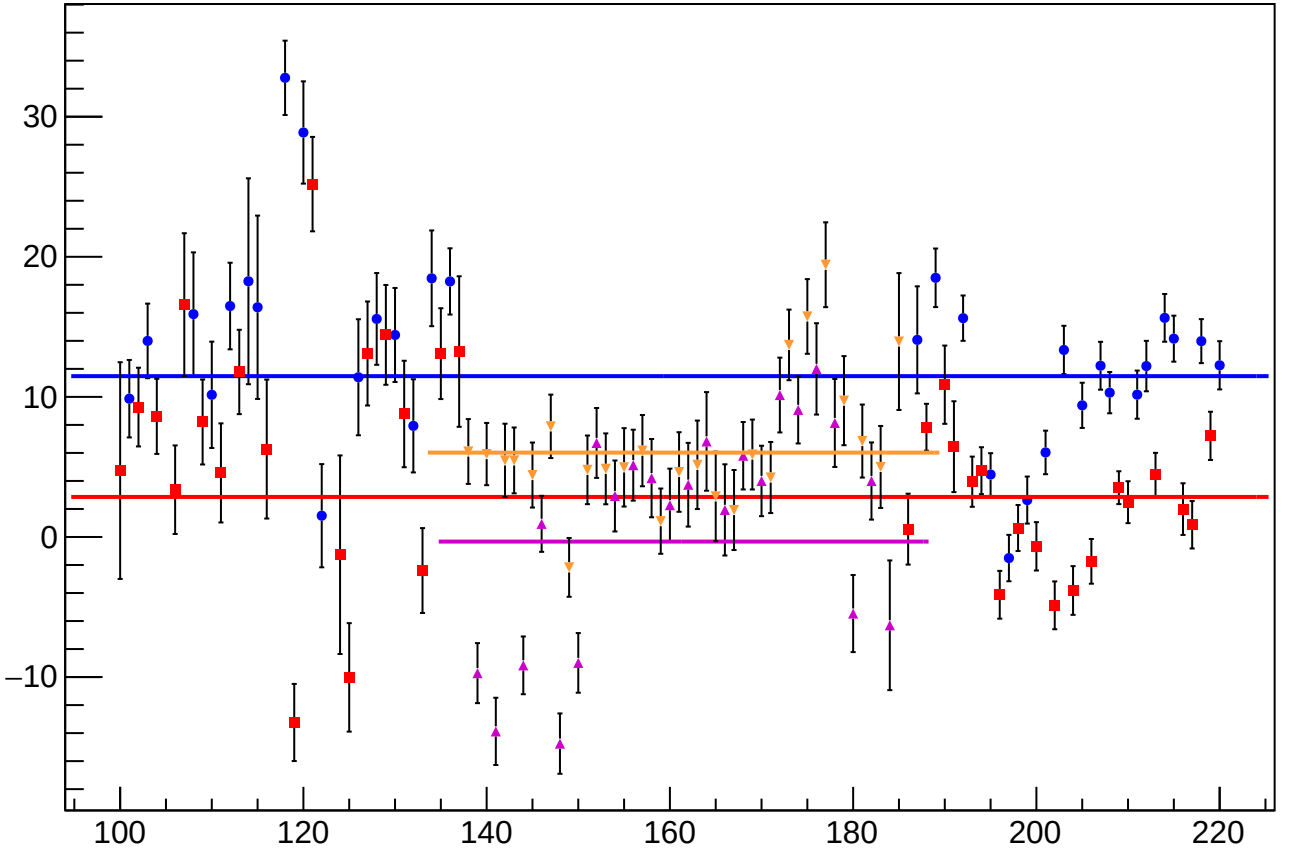
Right: 1769.155+/-0.196 χ^2/NDF: 2594402.0/69

In: 1934.738+/-0.224 χ^2/NDF:3003426.0/55

Out: 1922.998+/-0.218 χ^2/NDF:3719317.5/61

All: 1928.726+/-0.156 χ^2/NDF: 6724155.2/11

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 11.480+/-0.370 χ^2/NDF: 273.4/32

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 2.859+/-0.362 χ^2/NDF: 253.0/36

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

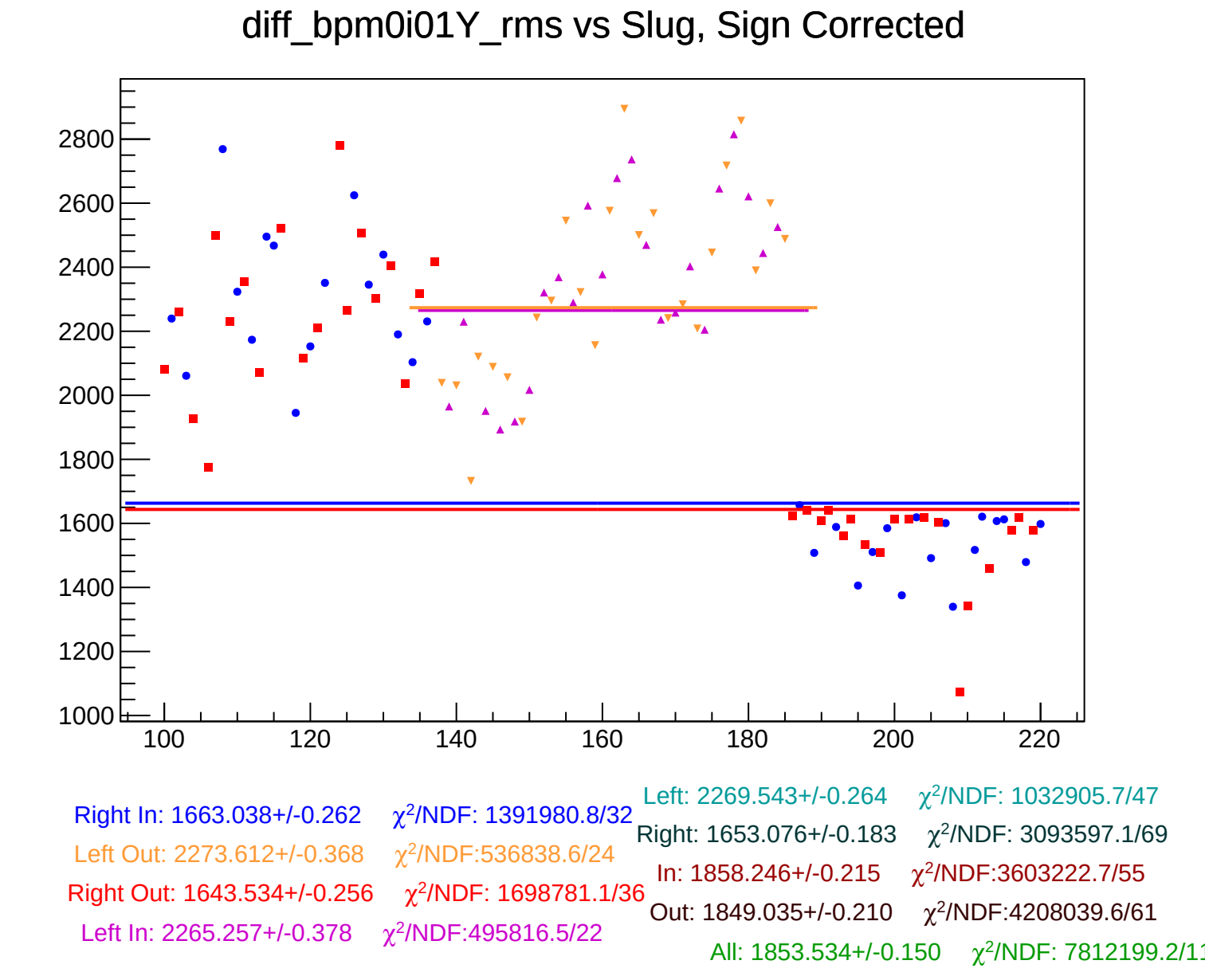
Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

Right: 7.077+/-0.259 χ^2/NDF: 803.4/69

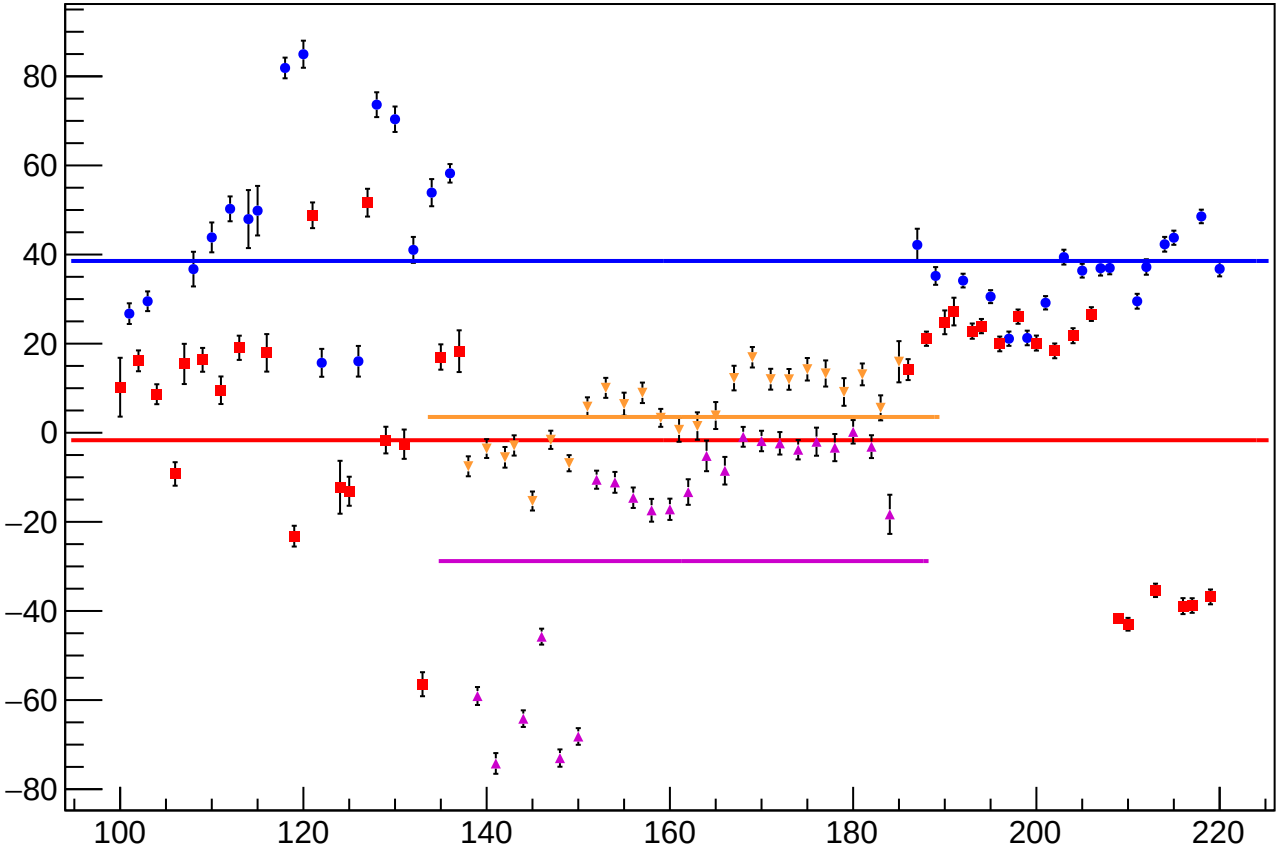
In: 7.652+/-0.304 χ^2/NDF:828.1/55

Out: 3.891+/-0.297 χ^2/NDF:349.7/61

All: 5.728+/-0.213 χ^2/NDF: 1255.9/117


diff_bpm0i01Y_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
100
120
140
160
180
200
220
Right In: 1663.038+/-0.262 χ²/NDF: 1391980.8/32
Left Out: 2273.612+/-0.368 χ²/NDF:536838.6/24
Right Out: 1643.534+/-0.256 χ²/NDF: 1698781.1/36
Left In: 2265.257+/-0.378 χ²/NDF:495816.5/22
Left: 2269.543+/-0.264 χ²/NDF: 1032905.7/47
Right: 1653.076+/-0.183 χ²/NDF: 3093597.1/69
In: 1858.246+/-0.215 χ²/NDF:3603222.7/55
Out: 1849.035+/-0.210 χ²/NDF:4208039.6/61
All: 1853.534+/-0.150 χ²/NDF: 7812199.2/11

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 38.559+/-0.349 χ^2/NDF: 1549.0/32

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -1.675+/-0.340 χ^2/NDF: 7635.8/36

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

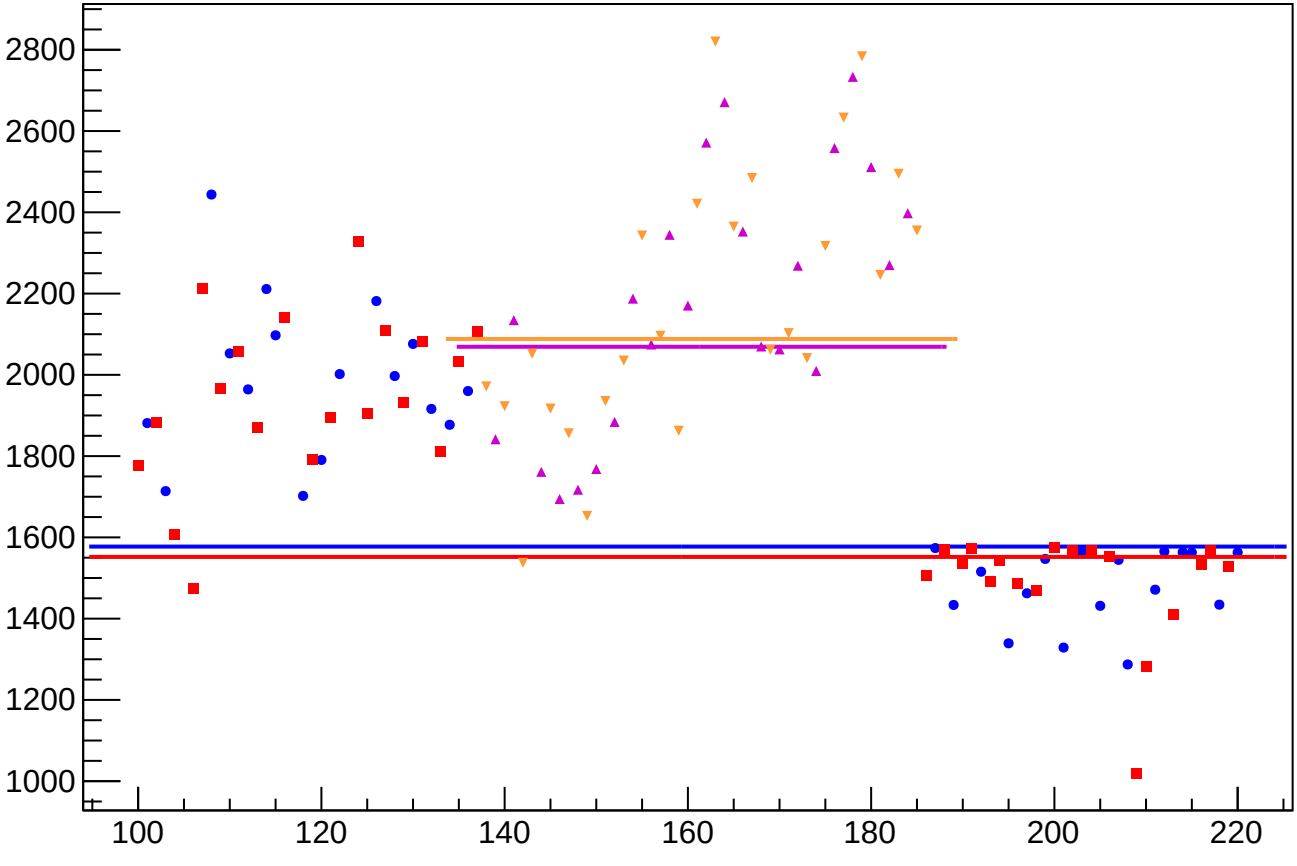
Right: 17.926+/-0.244 χ^2/NDF: 16002.8/69

In: 15.945+/-0.284 χ^2/NDF:17322.6/55

Out: 0.068+/-0.278 χ^2/NDF:8034.3/61

All: 7.813+/-0.199 χ^2/NDF: 26953.1/117

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1577.337+/-0.247 χ^2/NDF: 852053.9/32

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1551.893+/-0.240 χ^2/NDF: 1176827.7/36

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

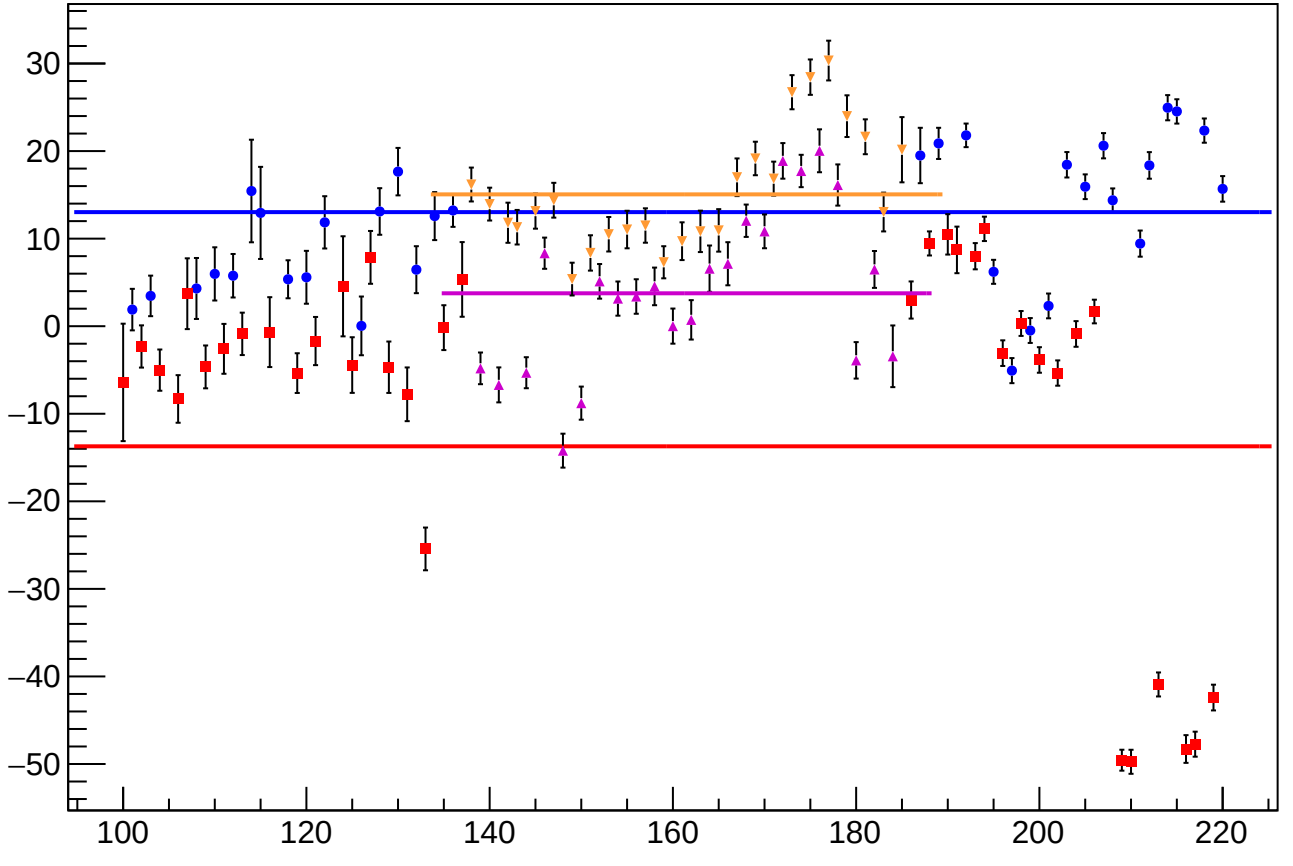
Right: 1564.289+/-0.172 χ^2/NDF: 2034335.4/69

In: 1742.428+/-0.201 χ^2/NDF:2897142.1/55

Out: 1731.062+/-0.196 χ^2/NDF:3626178.3/61

All: 1736.607+/-0.140 χ^2/NDF: 6524956.3/11

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 13.029+/-0.316 χ^2/NDF: 751.2/32

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -13.718+/-0.311 χ^2/NDF: 5213.1/36

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

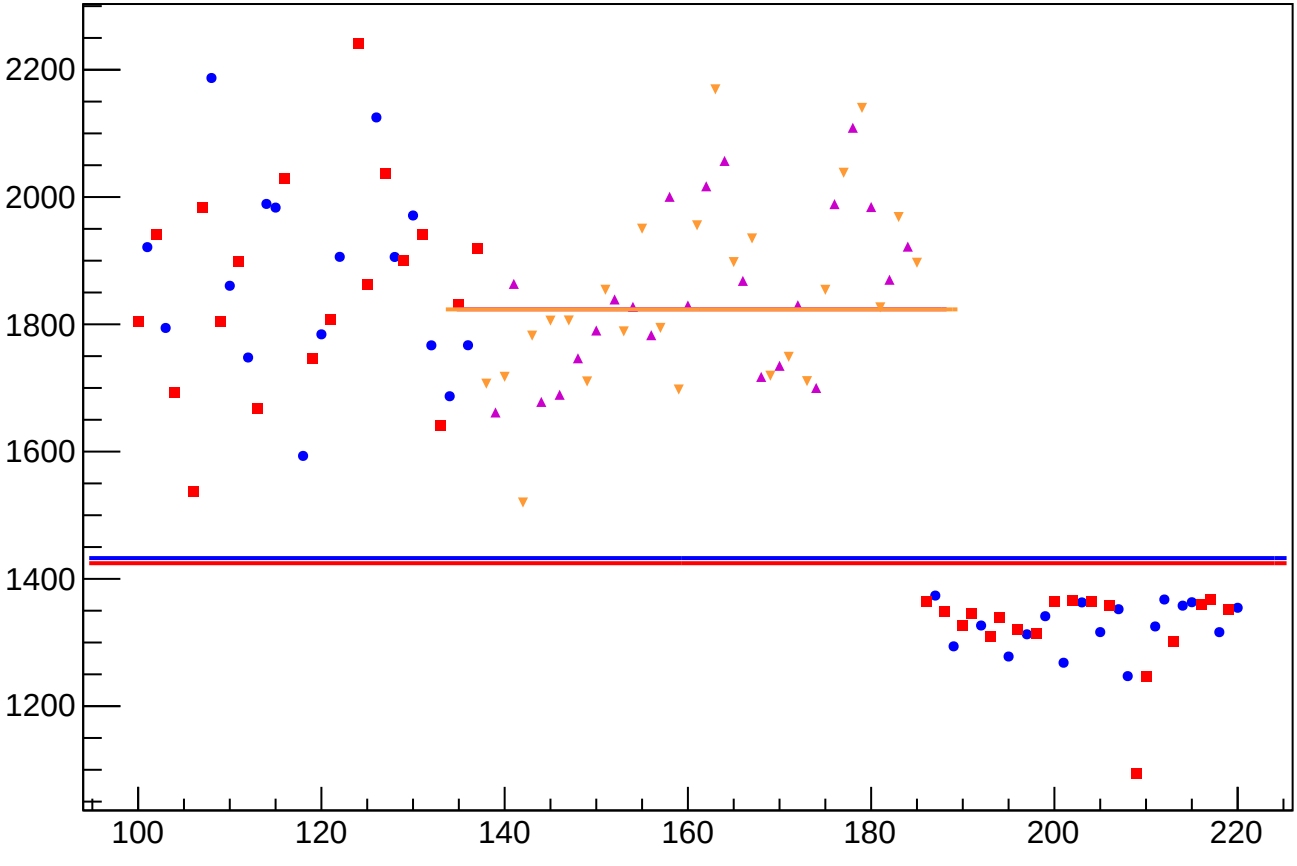
Right: -0.569+/-0.222 χ^2/NDF: 9601.0/69

In: 9.753+/-0.254 χ^2/NDF:1513.9/55

Out: -3.393+/-0.249 χ^2/NDF:8531.5/61

All: 3.042+/-0.178 χ^2/NDF: 11409.6/117

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1432.661+/-0.224 χ^2/NDF: 973479.3/32

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1424.610+/-0.220 χ^2/NDF: 1061489.4/36

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

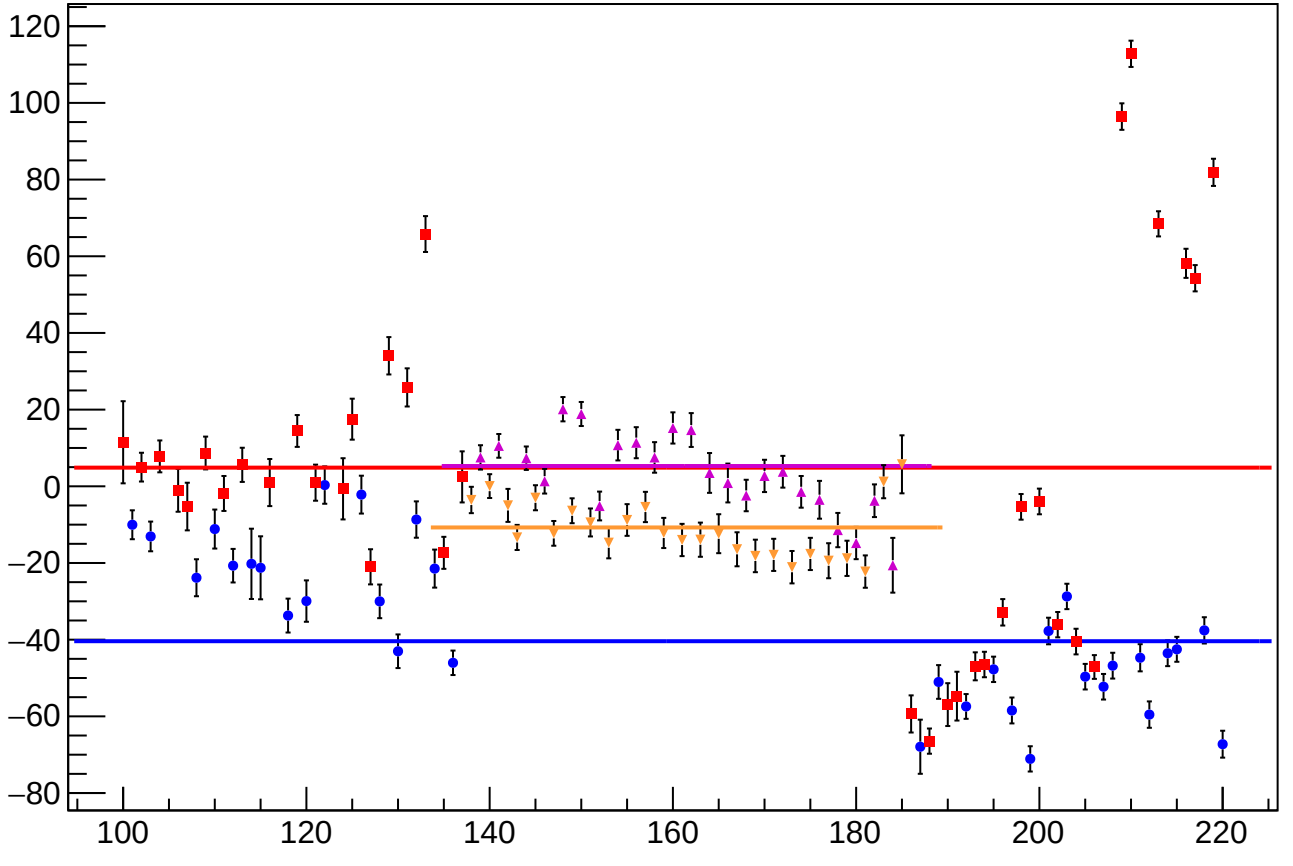
Right: 1428.568+/-0.157 χ^2/NDF: 2035627.6/69

In: 1570.808+/-0.180 χ^2/NDF:2217328.9/55

Out: 1567.734+/-0.176 χ^2/NDF:2453240.1/61

All: 1569.239+/-0.126 χ^2/NDF: 4670718.3/11

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -40.399+/-0.682 χ^2/NDF: 693.3/32

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 4.868+/-0.676 χ^2/NDF: 5304.0/36

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

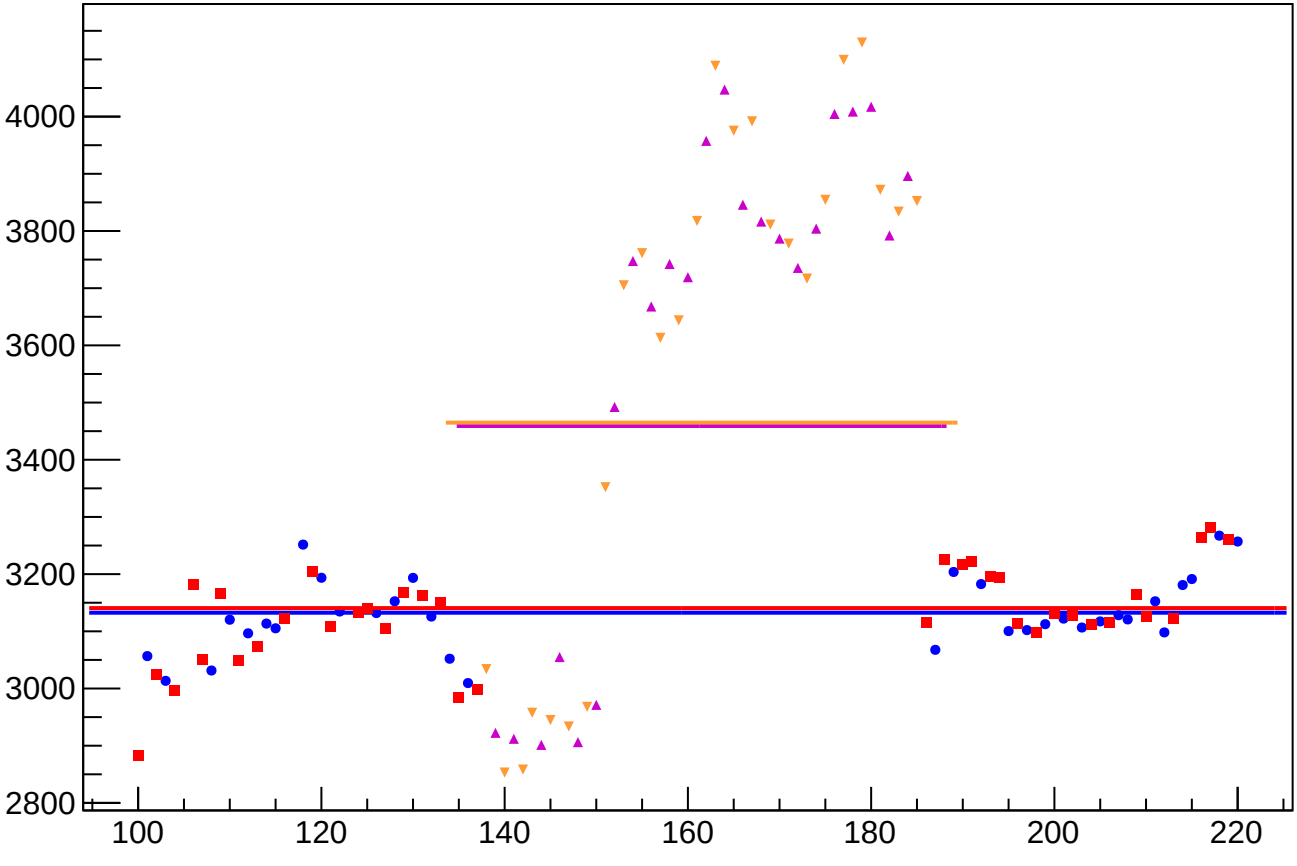
Right: -17.563+/-0.480 χ^2/NDF: 8217.3/69

In: -21.551+/-0.523 χ^2/NDF:2676.4/55

Out: -1.693+/-0.515 χ^2/NDF:5601.6/61

All: -11.465+/-0.367 χ^2/NDF: 9010.1/117

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3132.553+/-0.483 χ^2/NDF: 18149.9/32

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3140.627+/-0.478 χ^2/NDF: 23726.9/36

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

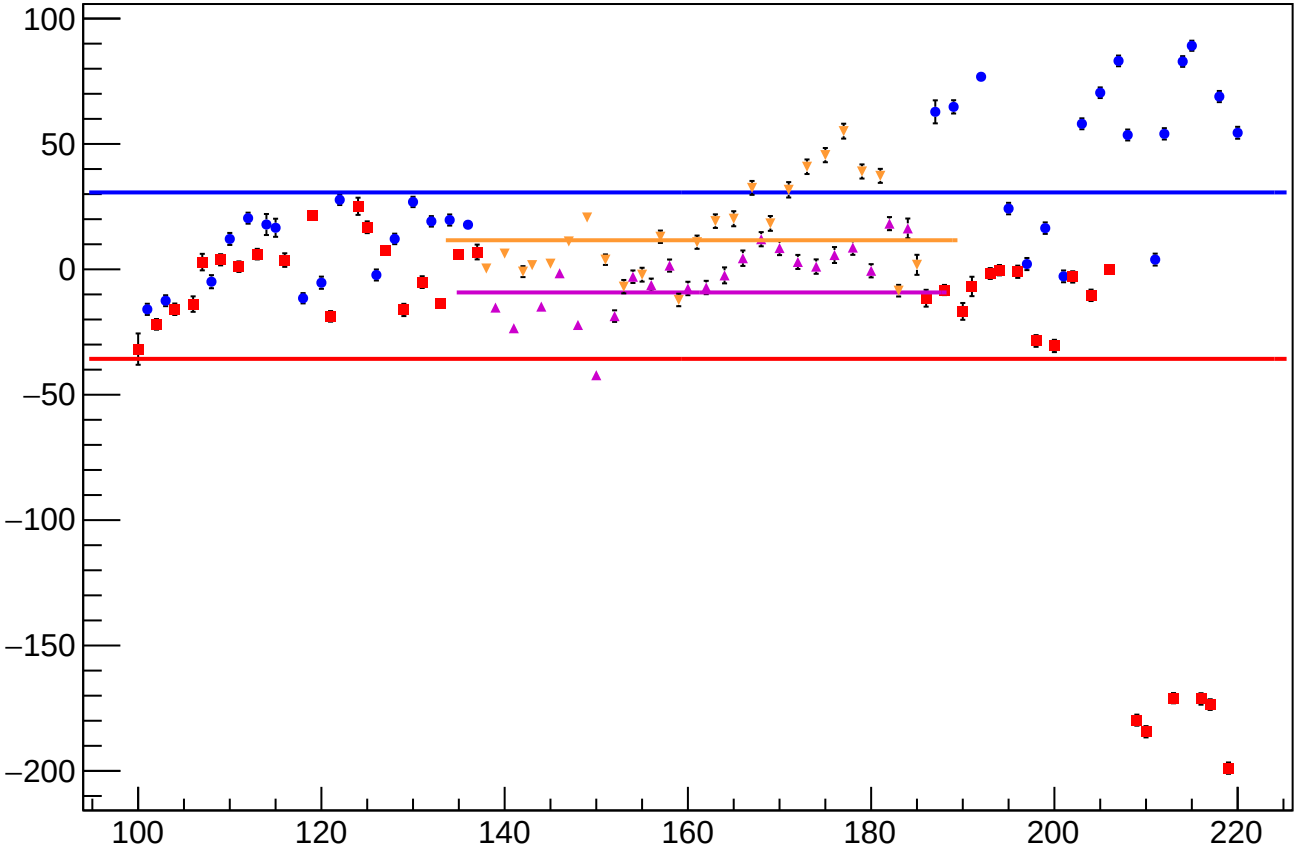
Right: 3136.626+/-0.340 χ^2/NDF: 42018.1/69

In: 3267.242+/-0.370 χ^2/NDF:790344.7/55

Out: 3277.007+/-0.364 χ^2/NDF:861141.1/61

All: 3272.202+/-0.259 χ^2/NDF: 1651839.9/11

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 30.669+/-0.387 χ^2/NDF: 6673.0/32

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -35.697+/-0.382 χ^2/NDF: 32606.1/36

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

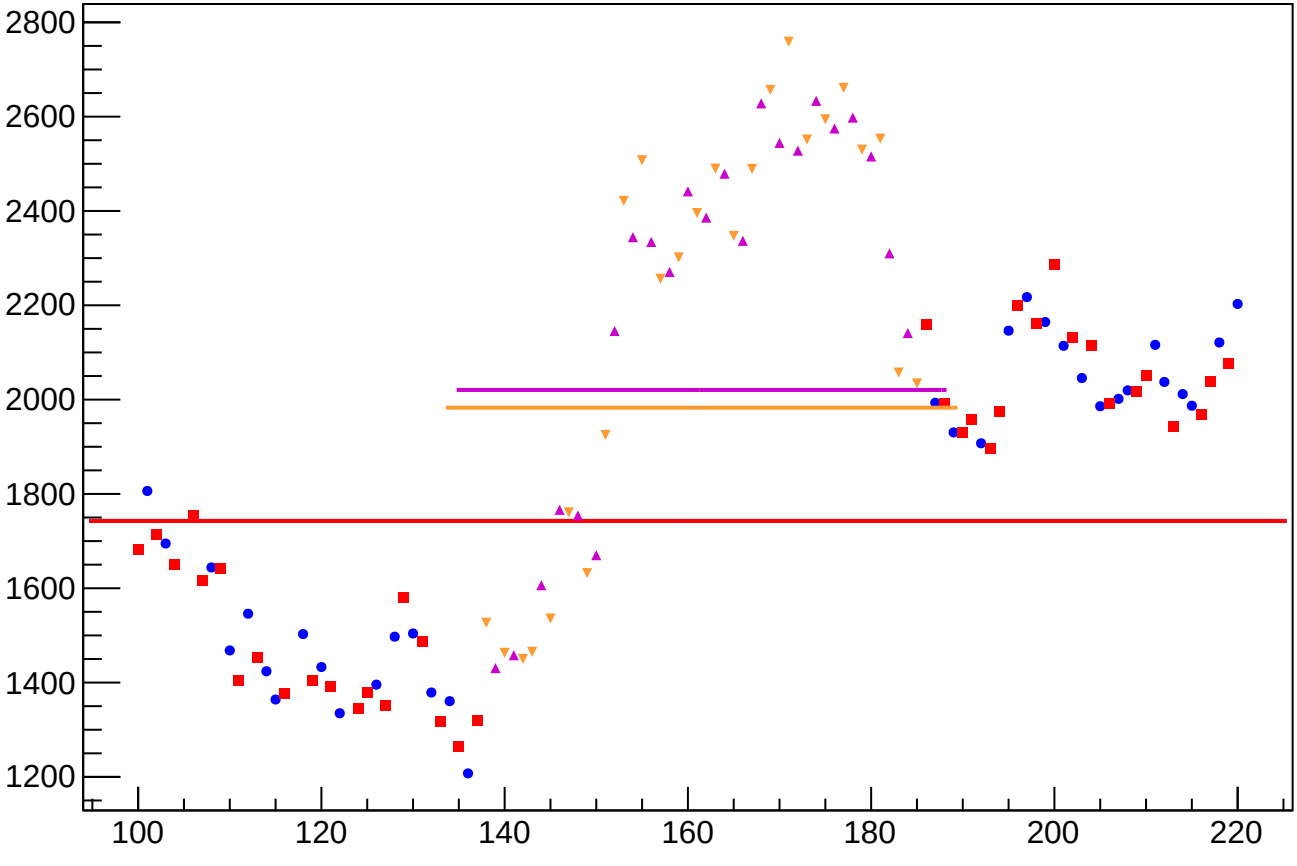
Right: -2.947+/-0.272 χ^2/NDF: 54168.7/69

In: 15.104+/-0.302 χ^2/NDF:11756.7/55

Out: -16.558+/-0.295 χ^2/NDF:40004.1/61

All: -1.122+/-0.211 χ^2/NDF: 57384.5/117

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1742.808+/-0.274 χ^2/NDF: 1478133.0/32

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1742.706+/-0.270 χ^2/NDF: 1401160.8/36

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

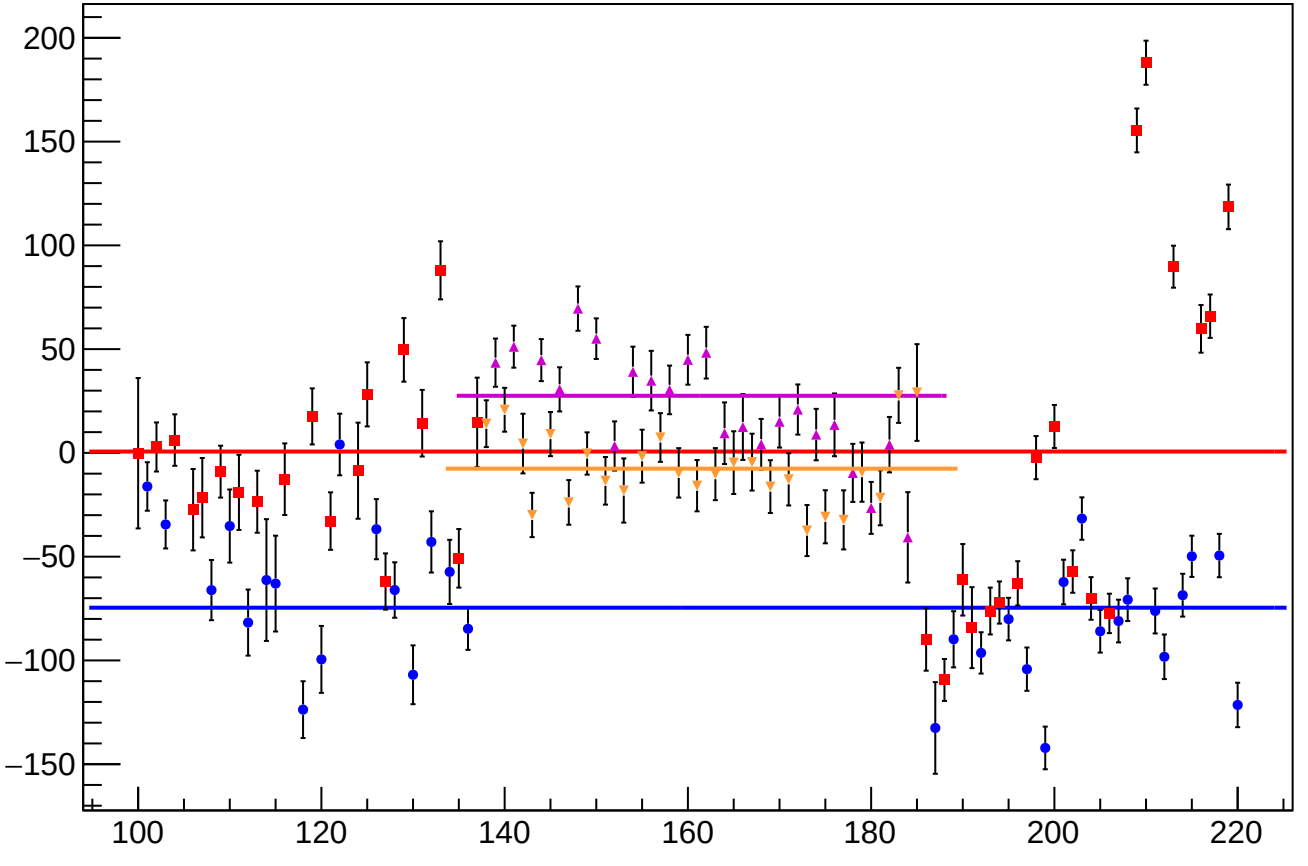
Right: 1742.757+/-0.192 χ^2/NDF: 2879293.9/69

In: 1851.175+/-0.214 χ^2/NDF:3494460.1/55

Out: 1839.891+/-0.208 χ^2/NDF:3698624.6/61

All: 1845.392+/-0.149 χ^2/NDF: 7194513.1/11

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -74.594+/-2.112 χ^2/NDF: 227.2/32

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 0.660+/-2.095 χ^2/NDF: 1362.3/36

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

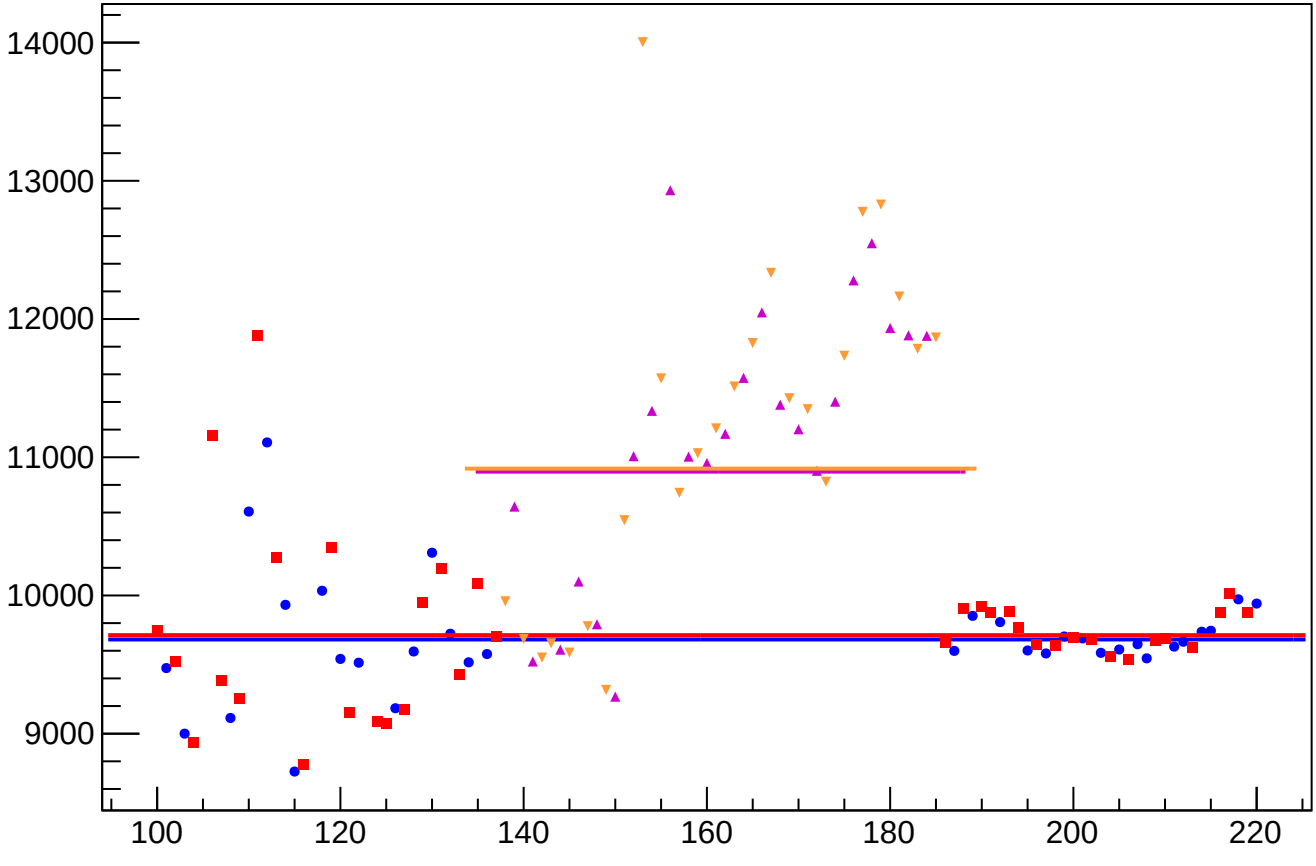
Right: -36.662+/-1.487 χ^2/NDF: 2229.6/69

In: -33.174+/-1.628 χ^2/NDF:1268.8/55

Out: -2.753+/-1.604 χ^2/NDF:1416.6/61

All: -17.739+/-1.143 χ^2/NDF: 2862.5/117

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9681.713+/-1.493 χ^2/NDF: 48863.2/32

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9712.849+/-1.481 χ^2/NDF: 85933.7/36

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

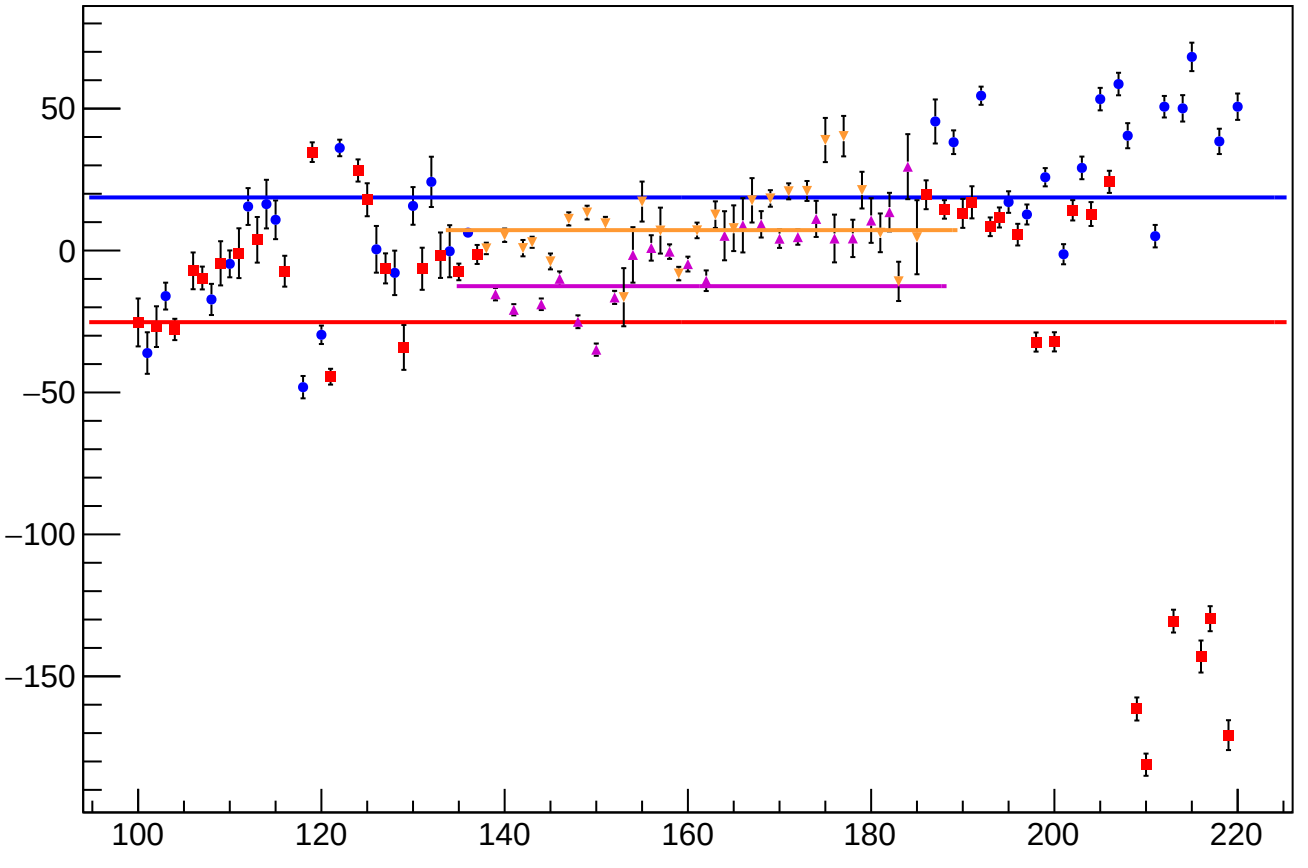
Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

Right: 9697.407+/-1.052 χ^2/NDF: 135016.1/69

In: 10174.215+/-1.151 χ^2/NDF:615128.0/55

Out: 10210.991+/-1.134 χ^2/NDF:785338.7/61

All: 10192.874+/-0.808 χ^2/NDF: 1400984.4/1



Right In: 18.708+/-0.712 χ^2/NDF: 1501.3/32

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -25.232+/-0.708 χ^2/NDF: 6923.1/36

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

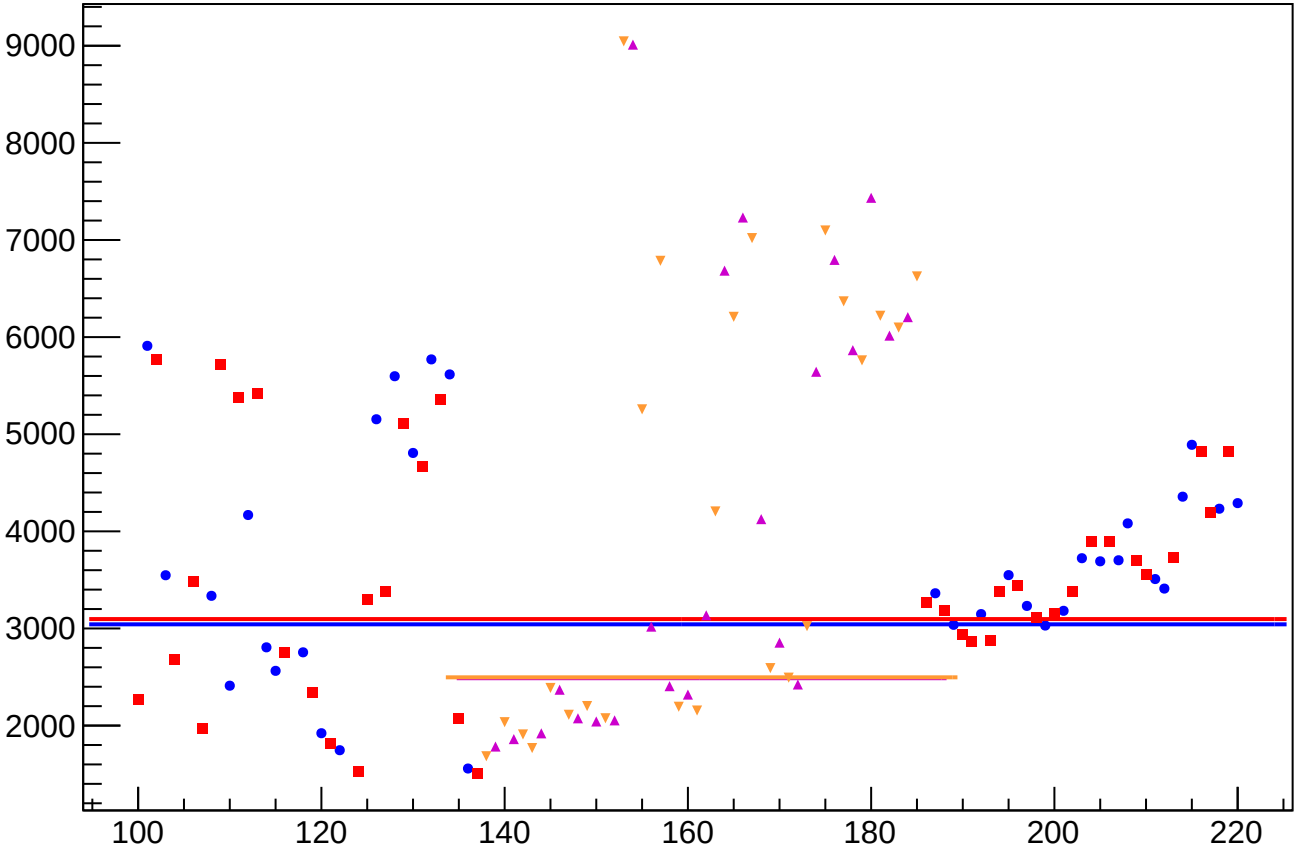
Right: -3.396+/-0.502 χ^2/NDF: 10337.7/69

In: 1.896+/-0.484 χ^2/NDF:2908.7/55

Out: -7.728+/-0.480 χ^2/NDF:8256.3/61

All: -2.957+/-0.341 χ^2/NDF: 11364.0/117

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 3042.528+/-0.504 χ^2/NDF: 4599775.7/32

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 3096.775+/-0.501 χ^2/NDF: 3809623.0/36

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

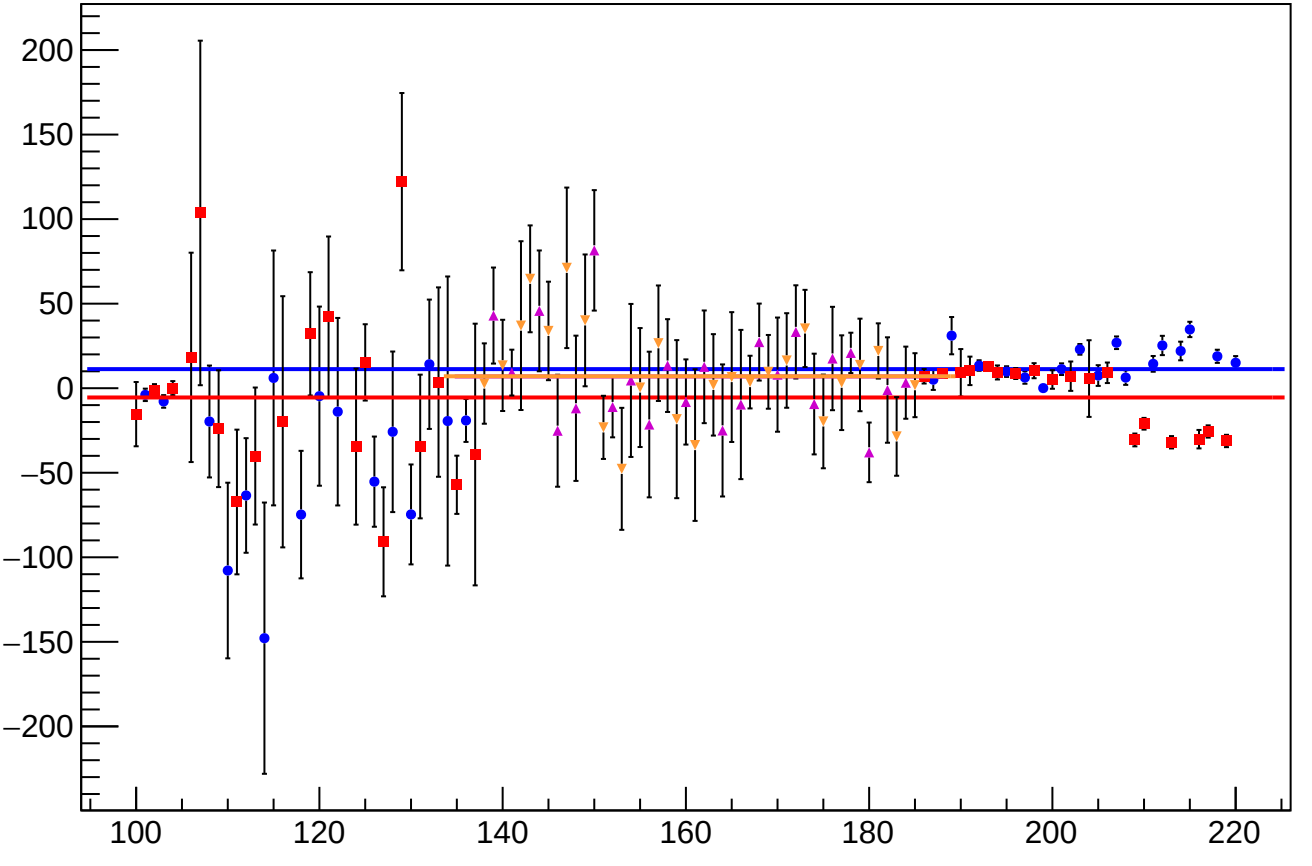
Right: 3069.817+/-0.355 χ^2/NDF: 8415231.0/69

In: 2744.160+/-0.343 χ^2/NDF:11355428.1/55

Out: 2772.805+/-0.340 χ^2/NDF:11790663.3/61

All: 2758.604+/-0.241 χ^2/NDF: 23149618.1/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 11.287+/-0.908 χ^2/NDF: 181.0/32

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -5.483+/-0.931 χ^2/NDF: 387.0/36

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

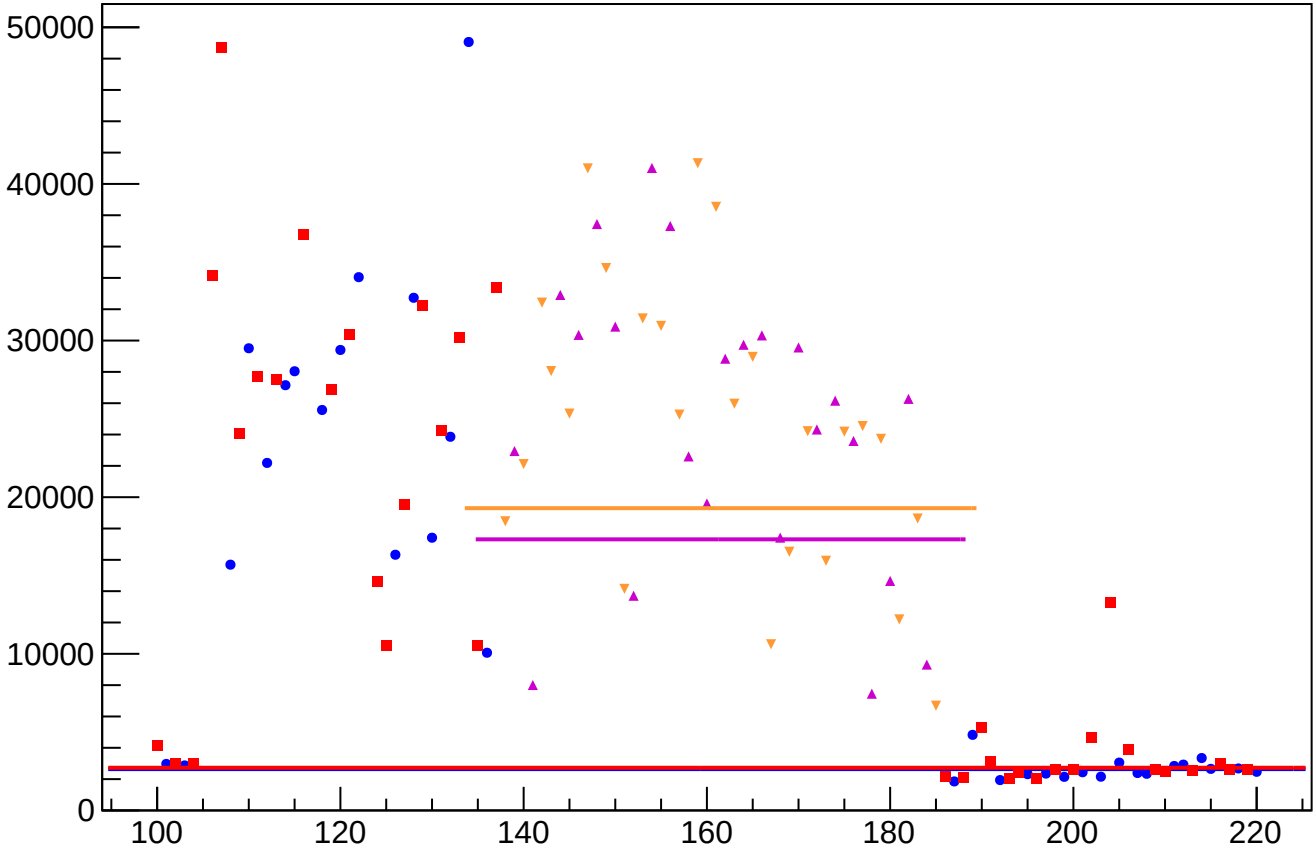
Right: 3.114+/-0.650 χ^2/NDF: 734.4/69

In: 11.154+/-0.894 χ^2/NDF:202.9/55

Out: -5.097+/-0.916 χ^2/NDF:412.1/61

All: 3.233+/-0.640 χ^2/NDF: 776.2/117

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2640.322+/-0.642 χ^2/NDF: 7992747.7/32

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2725.761+/-0.658 χ^2/NDF: 9434622.7/36

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

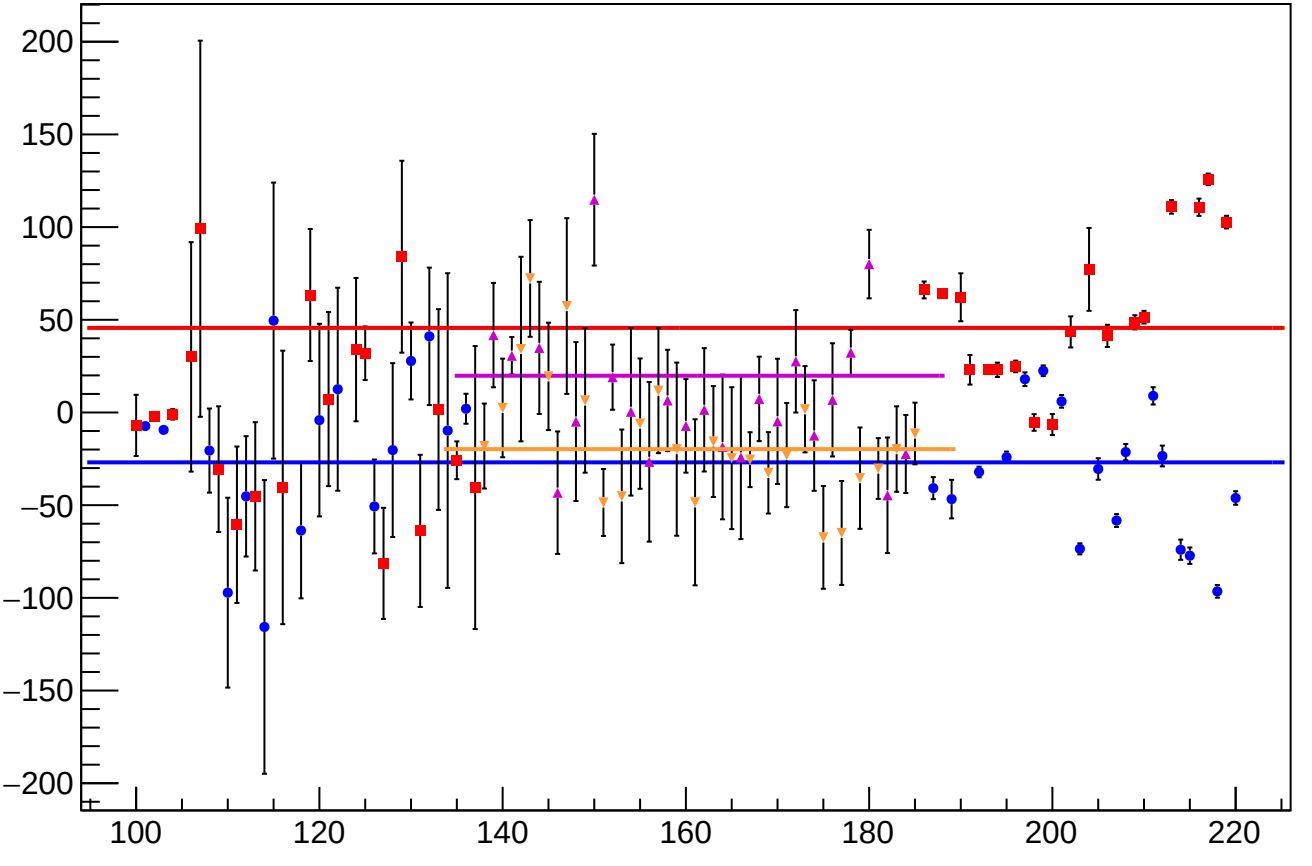
Right: 2681.965+/-0.460 χ^2/NDF: 17436006.9/69

In: 3092.357+/-0.632 χ^2/NDF:30808226.1/55

Out: 3235.155+/-0.648 χ^2/NDF:33957450.8/61

All: 3161.954+/-0.452 χ^2/NDF: 64790568.0/

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -26.909+/-0.821 χ^2/NDF: 1721.3/32

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 45.624+/-0.839 χ^2/NDF: 2631.6/36

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

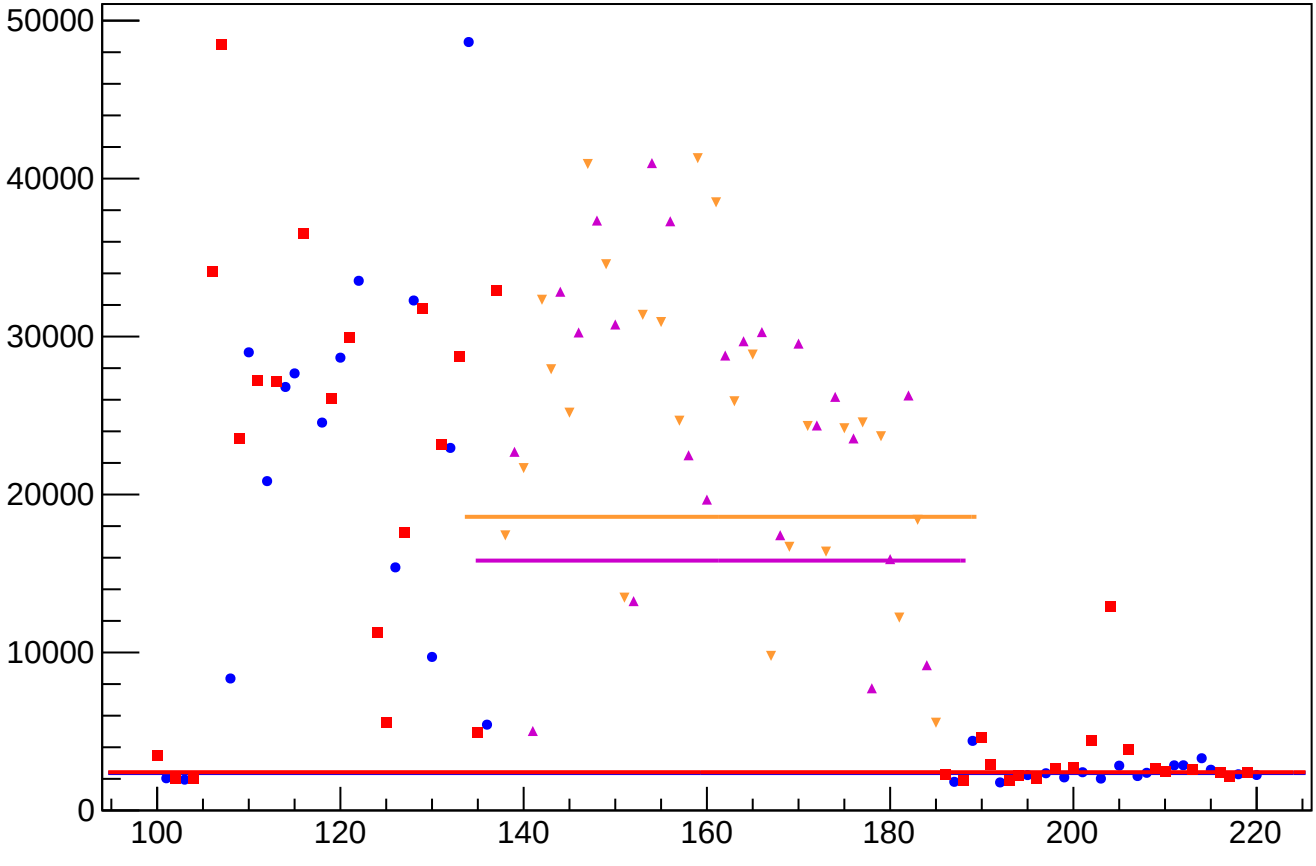
Right: 8.592+/-0.587 χ^2/NDF: 8172.7/69

In: -25.605+/-0.810 χ^2/NDF:1852.0/55

Out: 43.913+/-0.828 χ^2/NDF:2818.4/61

All: 8.389+/-0.579 χ^2/NDF: 8276.7/117

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2367.431+/-0.581 χ^2/NDF: 7178387.6/32

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2421.608+/-0.593 χ^2/NDF: 9032913.3/36

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

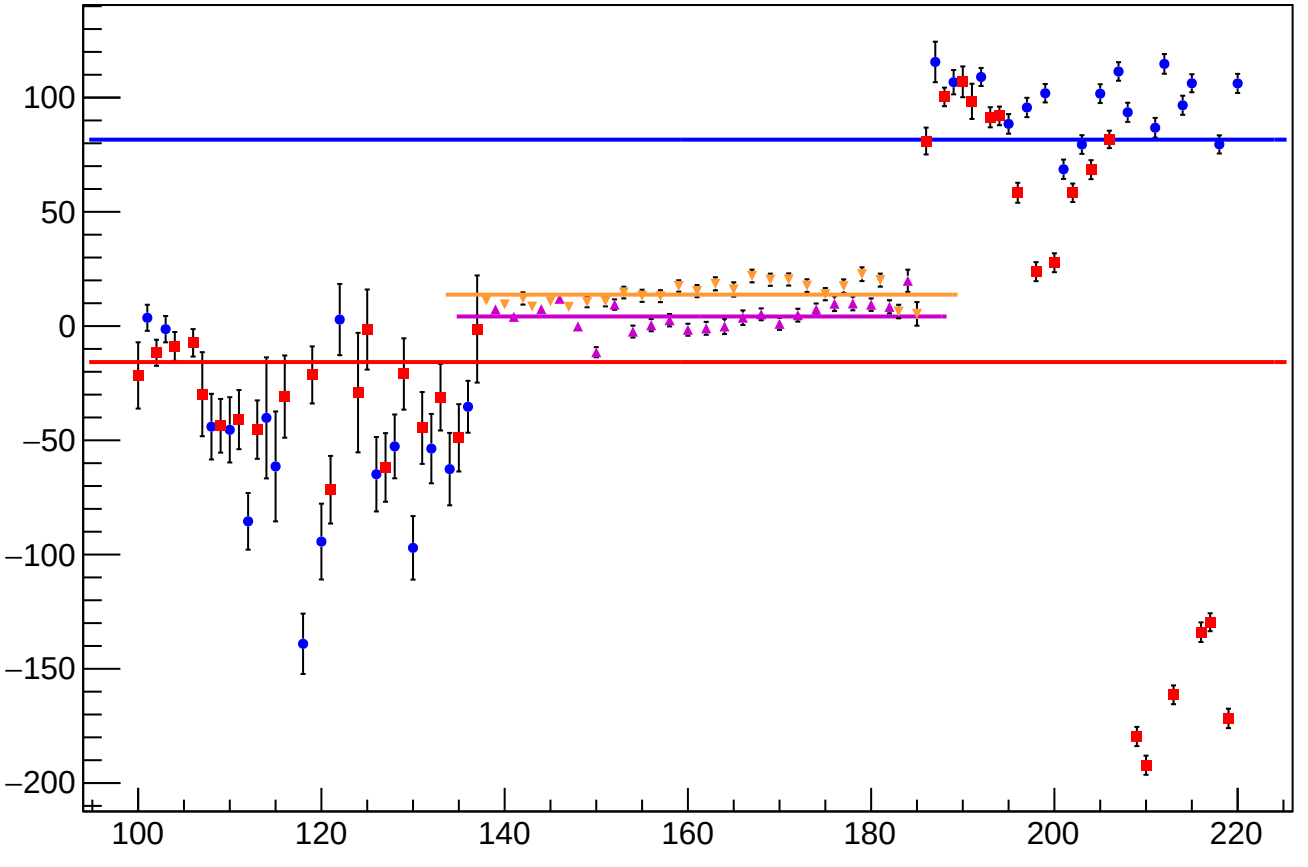
Right: 2393.948+/-0.415 χ^2/NDF: 16215563.1/69

In: 2742.818+/-0.572 χ^2/NDF:30564968.4/55

Out: 2844.495+/-0.585 χ^2/NDF:34177304.7/61

All: 2792.537+/-0.409 χ^2/NDF: 64757702.2/

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 81.596+/-0.977 χ^2/NDF: 2177.6/32

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -15.754+/-0.956 χ^2/NDF: 12346.5/36

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

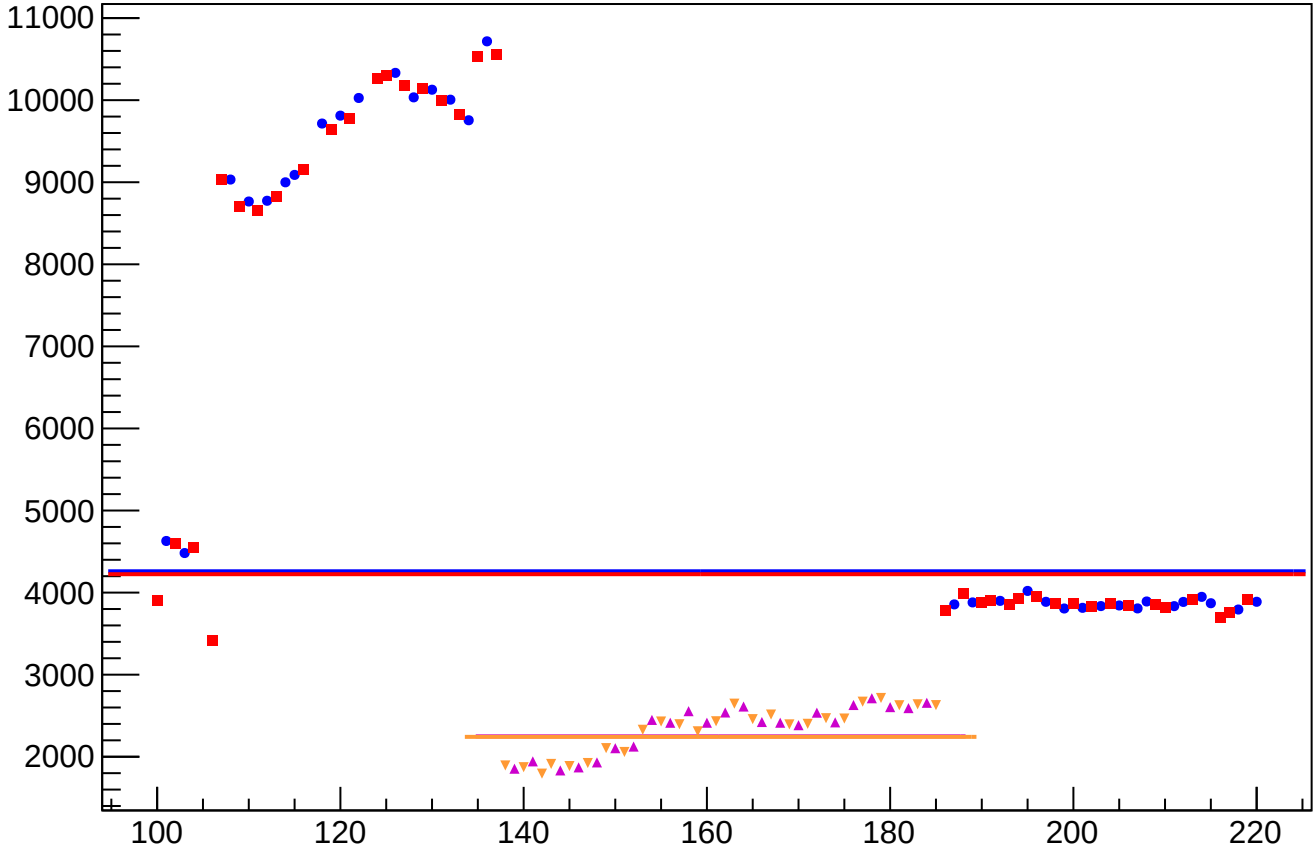
Right: 31.856+/-0.683 χ^2/NDF: 19600.0/69

In: 21.811+/-0.466 χ^2/NDF:7151.8/55

Out: 7.137+/-0.453 χ^2/NDF:13163.7/61

All: 14.263+/-0.325 χ^2/NDF: 20825.7/117

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4259.760+/-0.691 χ^2/NDF: 4118860.9/32

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4224.234+/-0.676 χ^2/NDF: 4060997.0/36

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

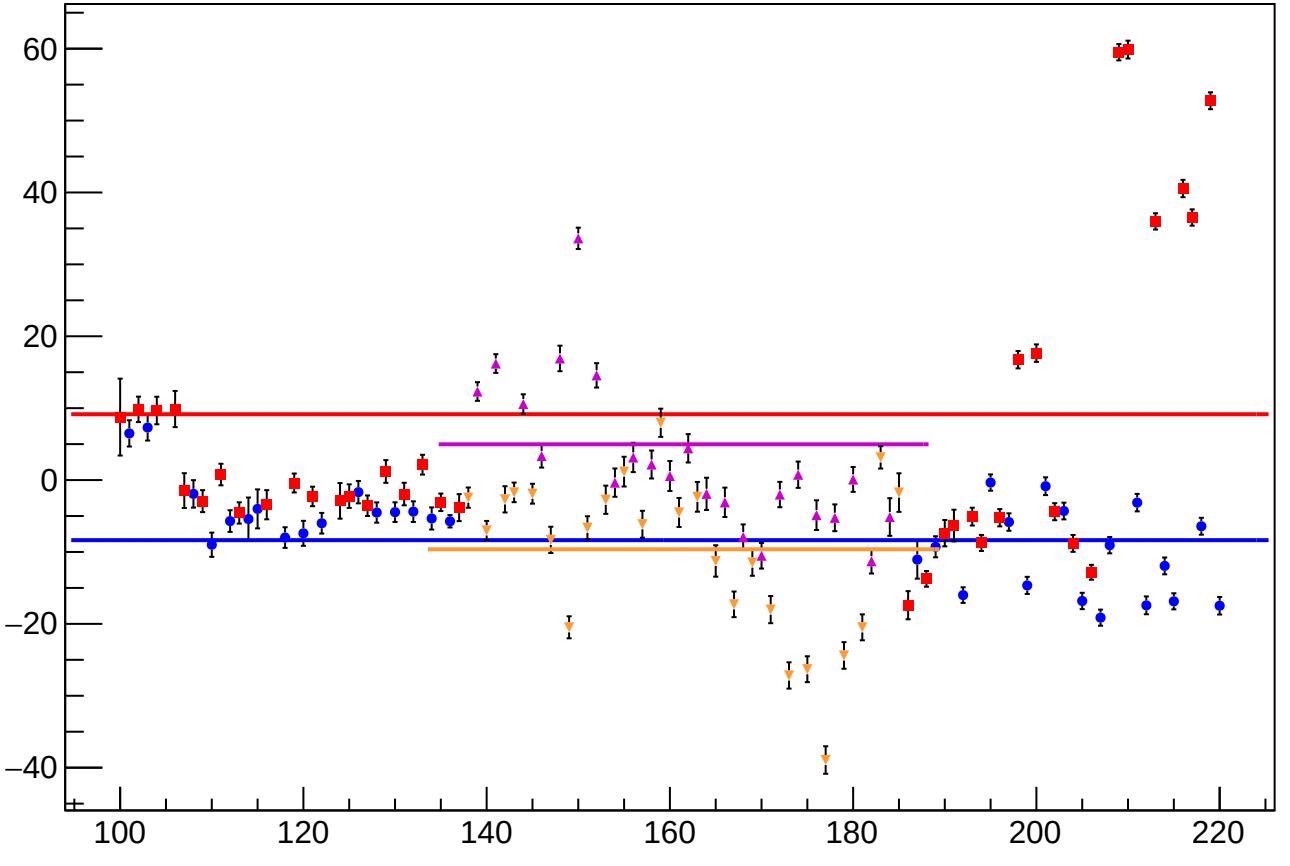
Right: 4241.609+/-0.483 χ^2/NDF: 8181209.8/69

In: 2706.163+/-0.329 χ^2/NDF:11311826.8/55

Out: 2687.099+/-0.320 χ^2/NDF:11391655.4/61

All: 2696.357+/-0.230 χ^2/NDF: 22705204.9/1

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -8.358+/-0.232 χ^2/NDF: 744.0/32

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 9.157+/-0.230 χ^2/NDF: 9789.5/36

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

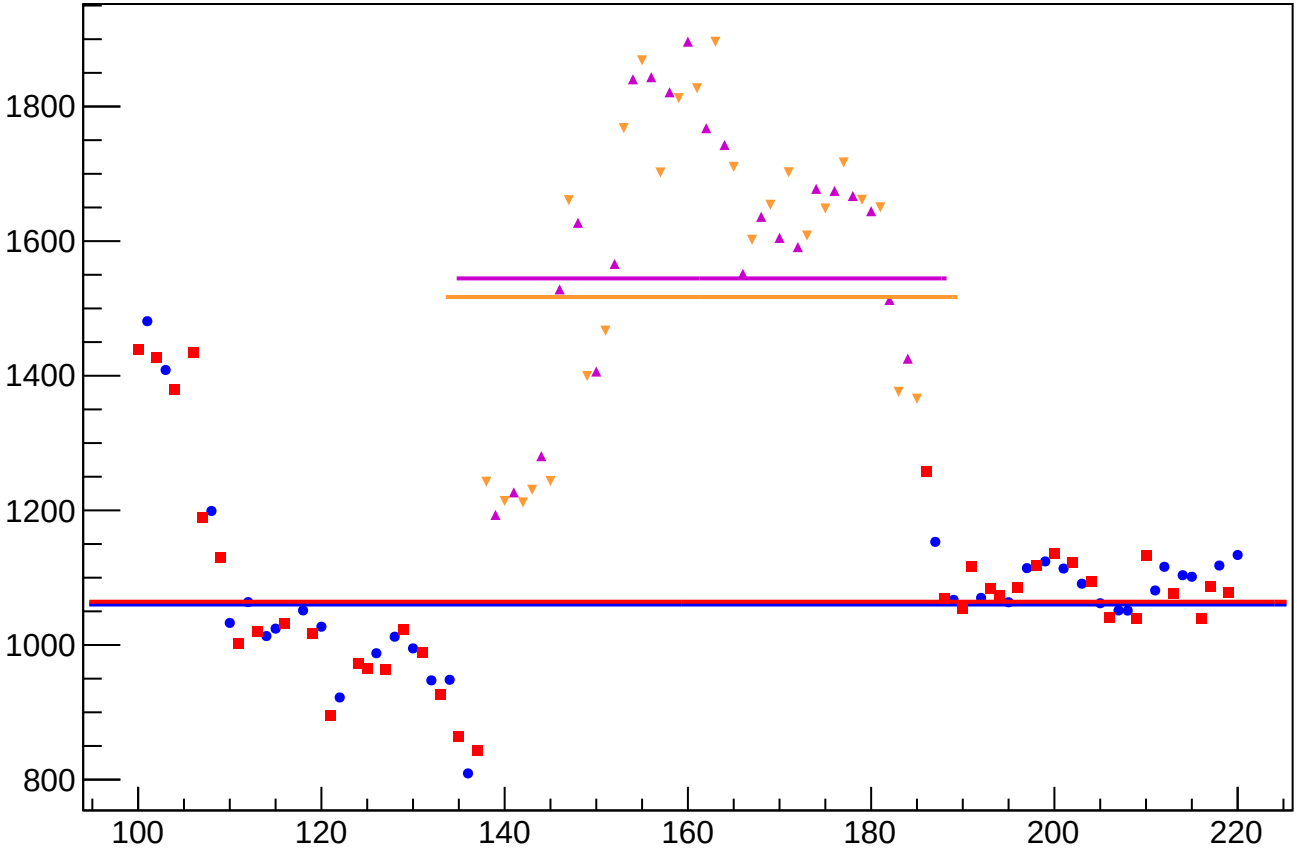
Right: 0.472+/-0.164 χ^2/NDF: 13400.5/69

In: -4.510+/-0.196 χ^2/NDF:2624.9/55

Out: 3.461+/-0.192 χ^2/NDF:12739.7/61

All: -0.450+/-0.137 χ^2/NDF: 16207.9/117

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1060.149+/-0.164 χ^2/NDF: 456488.0/32

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1064.280+/-0.163 χ^2/NDF: 416255.2/36

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

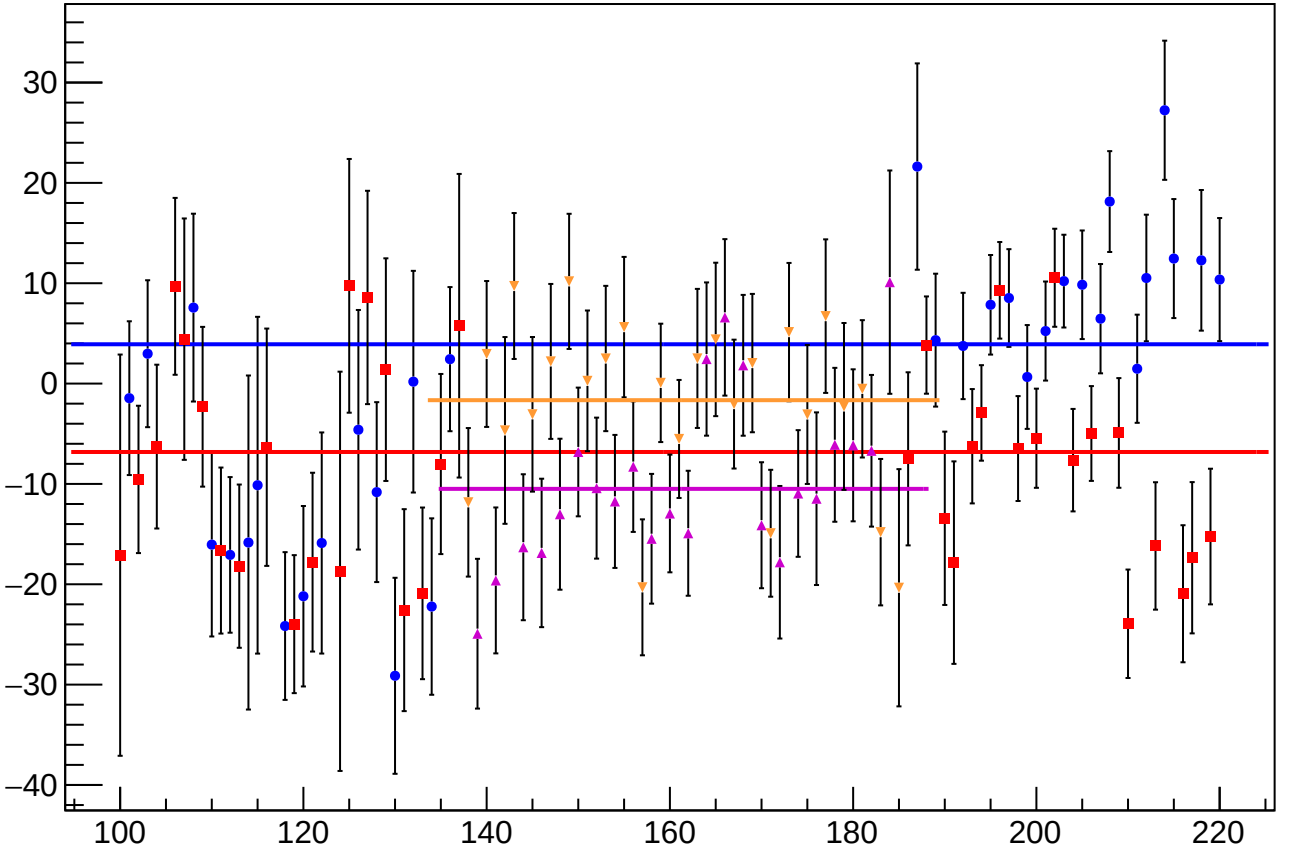
Right: 1062.231+/-0.116 χ^2/NDF: 873062.1/69

In: 1199.988+/-0.139 χ^2/NDF:3606953.3/55

Out: 1201.596+/-0.136 χ^2/NDF:3592592.1/61

All: 1200.807+/-0.097 χ^2/NDF: 7199614.0/11

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 3.917+/-1.169 χ^2/NDF: 97.5/32

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -6.817+/-1.146 χ^2/NDF: 78.3/36

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

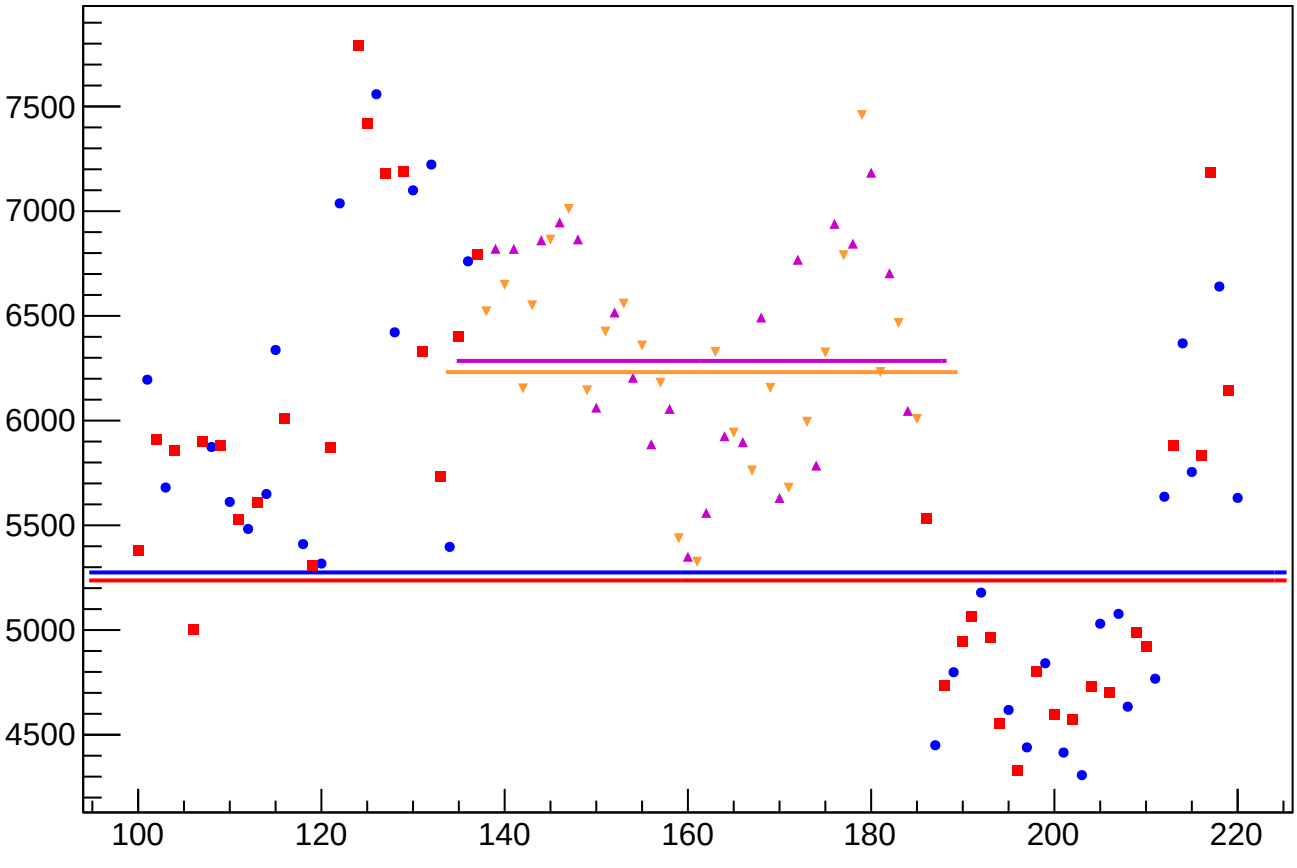
Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

Right: -1.559+/-0.818 χ^2/NDF: 218.9/69

In: -1.621+/-0.917 χ^2/NDF:180.9/55

Out: -4.793+/-0.893 χ^2/NDF:117.8/61

All: -3.250+/-0.640 χ^2/NDF: 304.8/117



Right In: 5275.044+/-0.827 χ^2/NDF: 921344.8/32

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5236.915+/-0.810 χ^2/NDF: 871336.8/36

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

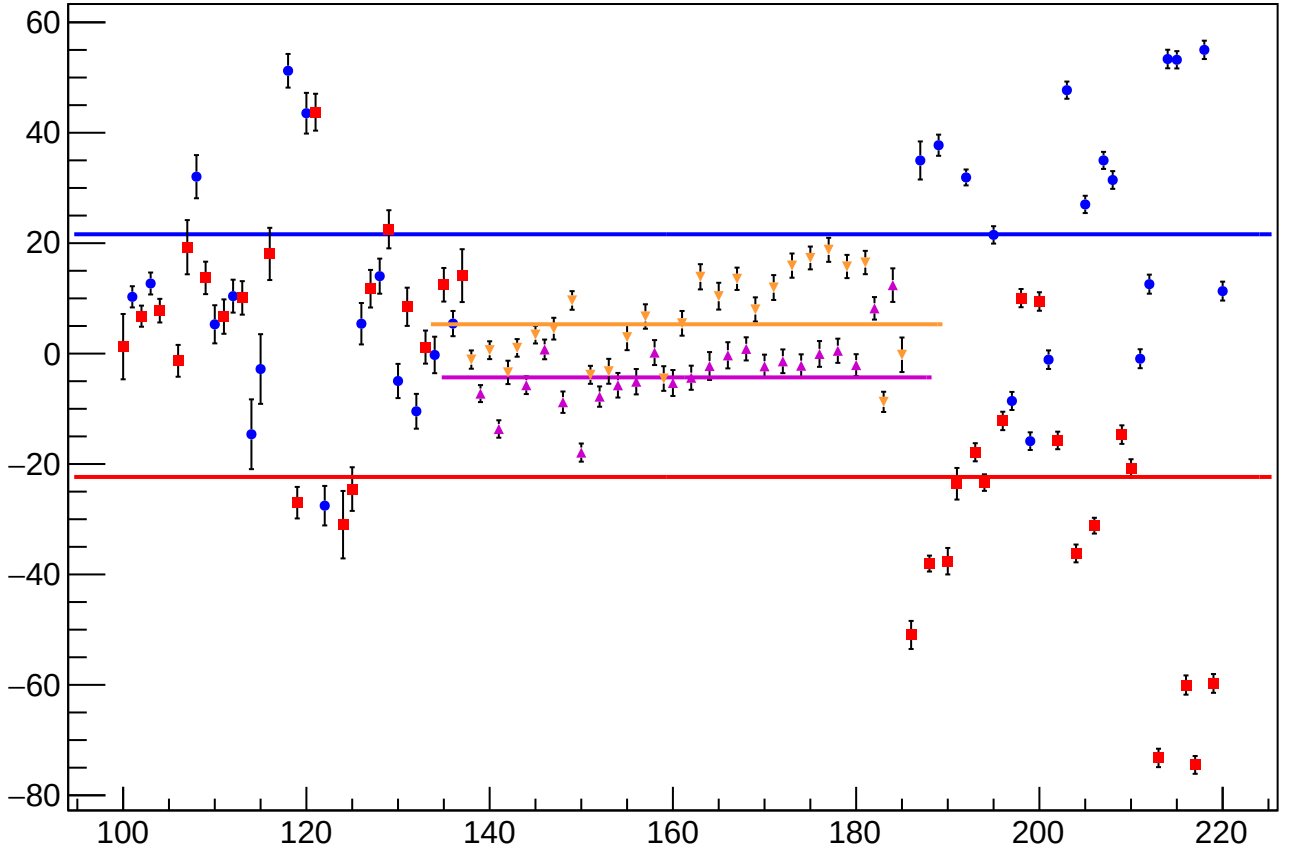
Right: 5255.592+/-0.579 χ^2/NDF: 1793766.6/69

In: 5663.277+/-0.649 χ^2/NDF:1760346.3/55

Out: 5627.012+/-0.632 χ^2/NDF:1689483.8/61

All: 5644.660+/-0.453 χ^2/NDF: 3451434.5/11

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 21.611+/-0.356 χ^2/NDF: 3778.5/32

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -22.344+/-0.351 χ^2/NDF: 6149.6/36

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

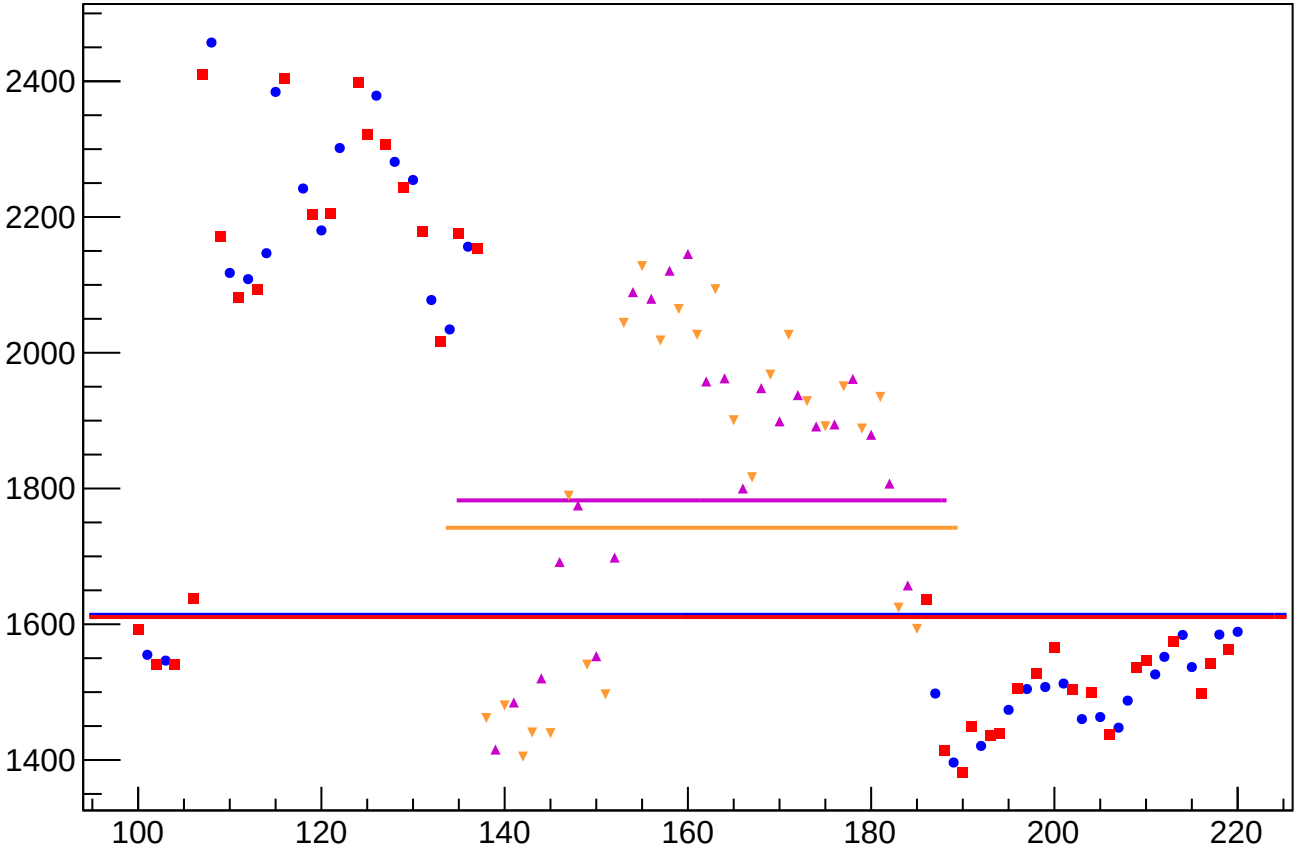
Right: -0.665+/-0.250 χ^2/NDF: 17645.3/69

In: 10.769+/-0.272 χ^2/NDF:6213.9/55

Out: -10.309+/-0.264 χ^2/NDF:9223.3/61

All: -0.068+/-0.189 χ^2/NDF: 18532.1/117

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1613.938+/-0.252 χ^2/NDF: 1082879.9/32

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1610.644+/-0.248 χ^2/NDF: 1061656.5/36

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

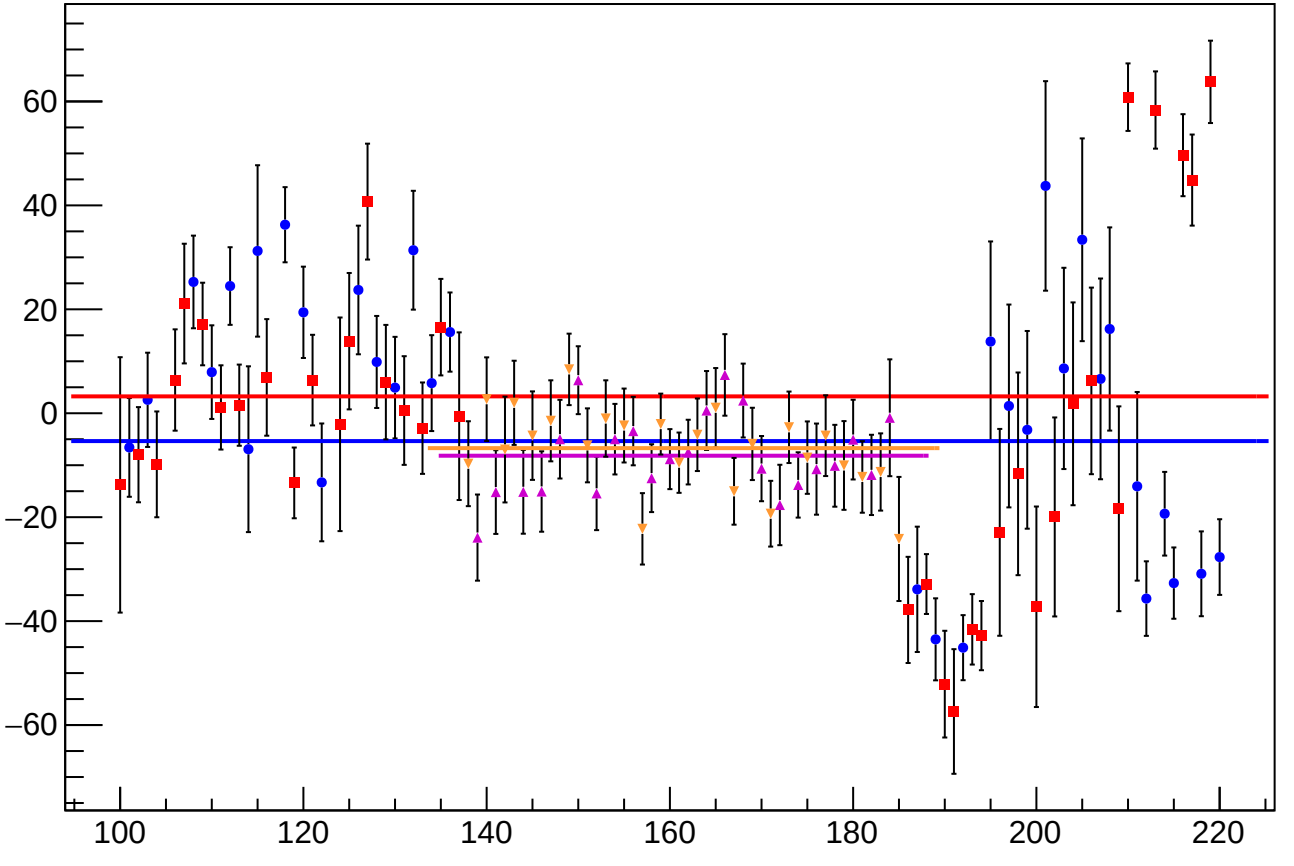
Right: 1612.268+/-0.177 χ^2/NDF: 2144623.1/69

In: 1684.442+/-0.192 χ^2/NDF:1804588.6/55

Out: 1667.899+/-0.187 χ^2/NDF:1951335.9/61

All: 1675.936+/-0.134 χ^2/NDF: 3759737.6/11

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: -5.356+/-1.709 χ^2/NDF: 244.7/32

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 3.247+/-1.582 χ^2/NDF: 490.4/36

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

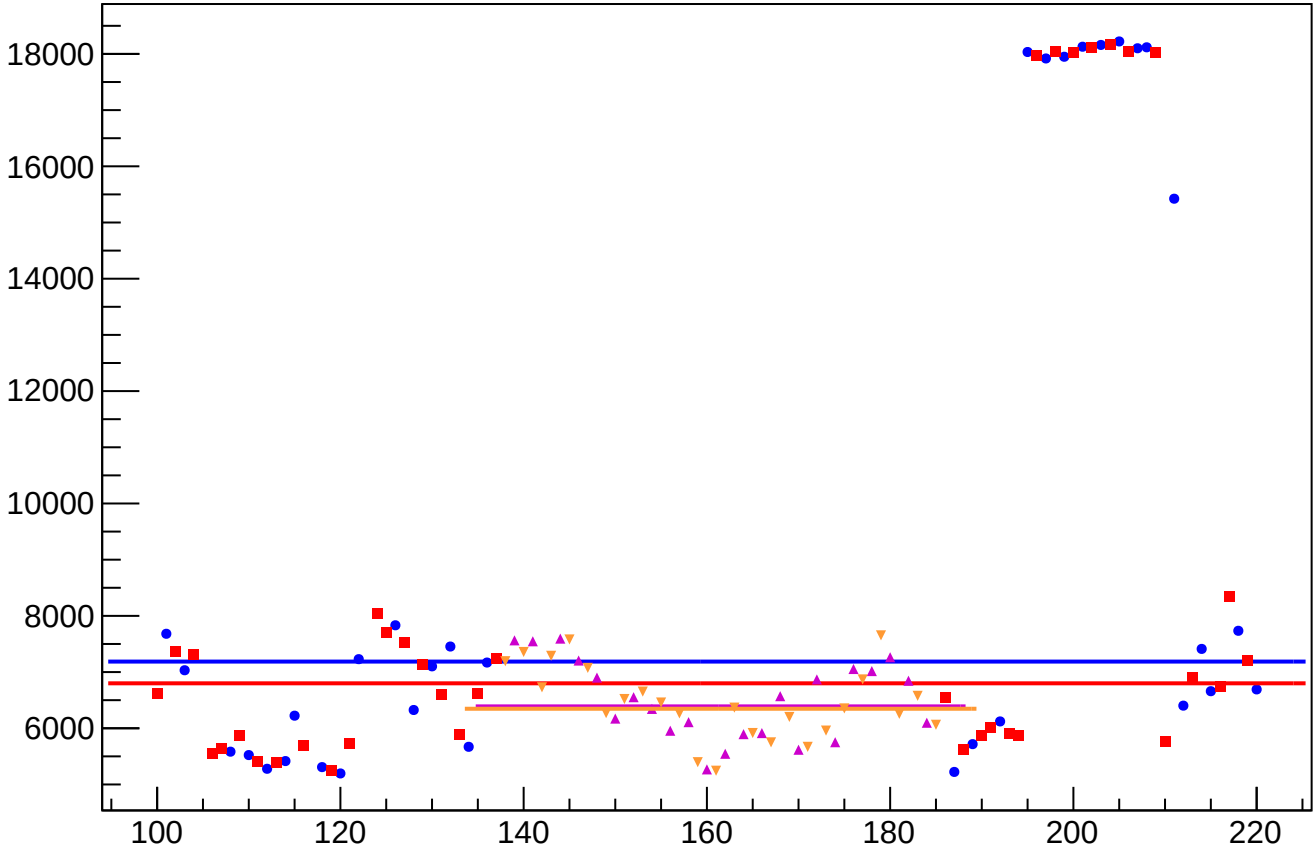
Right: -0.724+/-1.161 χ^2/NDF: 748.8/69

In: -6.937+/-1.131 χ^2/NDF:270.4/55

Out: -2.139+/-1.072 χ^2/NDF:537.5/61

All: -4.409+/-0.778 χ^2/NDF: 817.4/117

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 7186.783+/-1.208 χ^2/NDF: 6279955.3/32

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6799.888+/-1.119 χ^2/NDF: 5506170.4/36

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

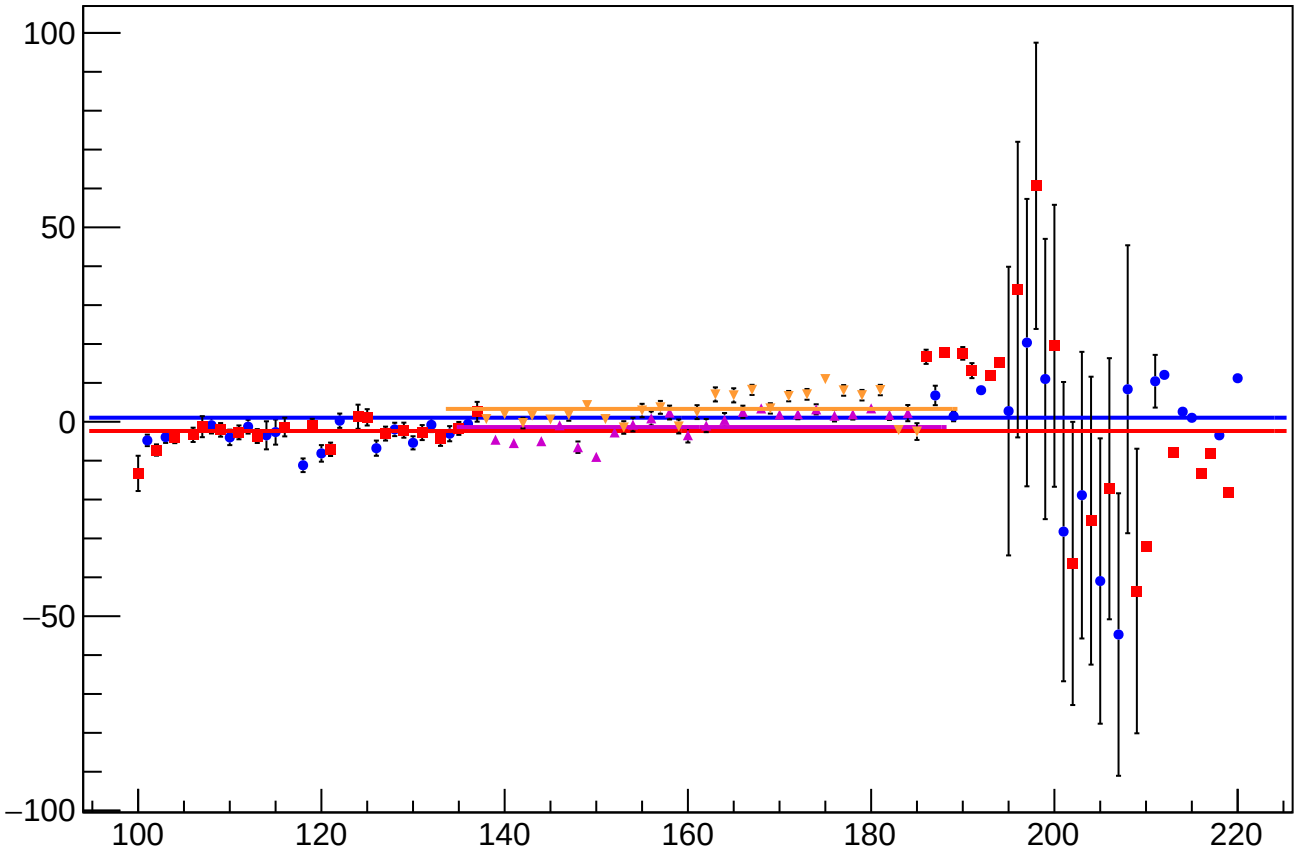
Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

Right: 6978.455+/-0.821 χ^2/NDF: 11841339.1/69

In: 6739.060+/-0.800 χ^2/NDF:6944260.2/55

Out: 6555.128+/-0.758 χ^2/NDF:5980729.4/61

All: 6642.134+/-0.550 χ^2/NDF: 12952840.4/



Right In: 1.048+/-0.299 χ^2/NDF: 408.0/32

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -2.370+/-0.277 χ^2/NDF: 2115.9/36

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

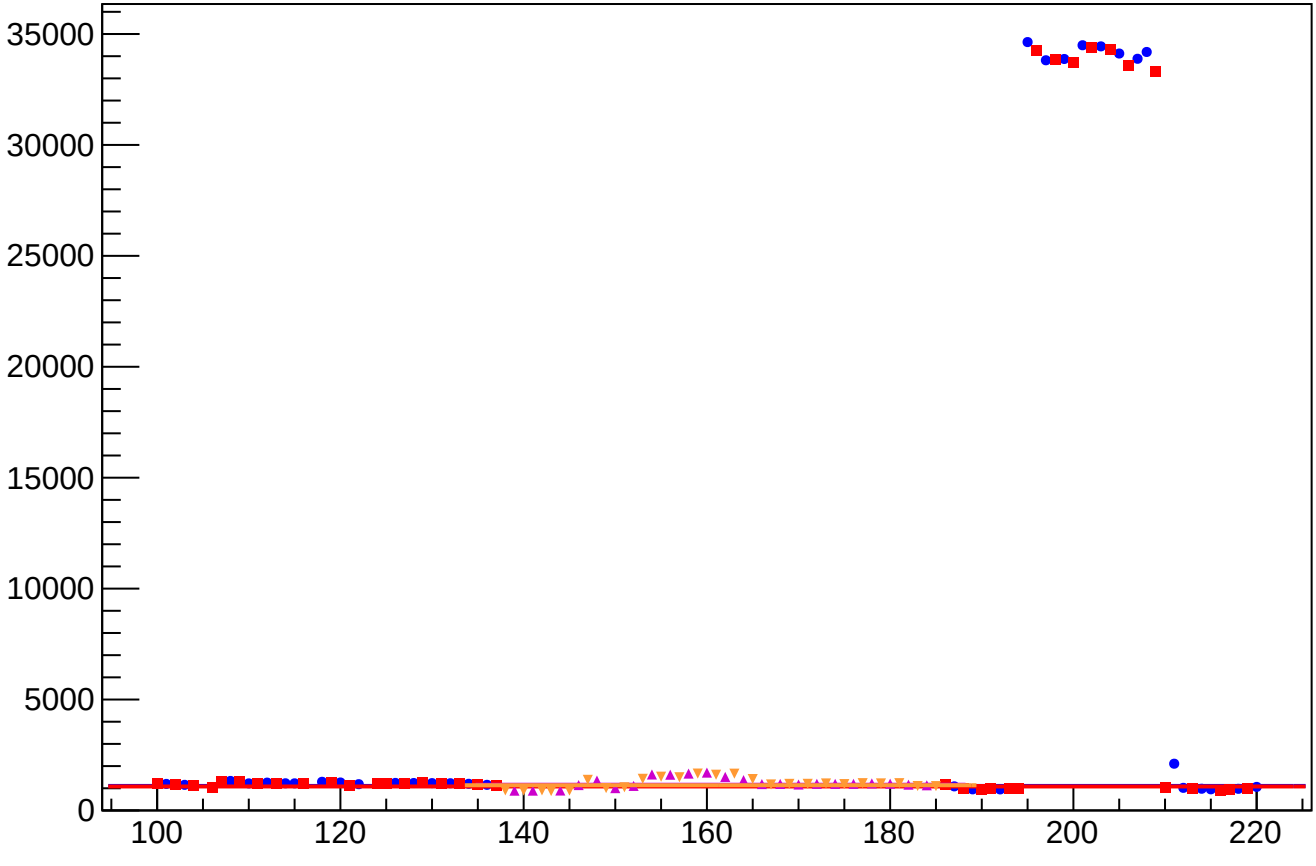
Right: -0.788+/-0.203 χ^2/NDF: 2594.3/69

In: -0.245+/-0.203 χ^2/NDF:639.1/55

Out: 0.604+/-0.191 χ^2/NDF:2513.7/61

All: 0.204+/-0.139 χ^2/NDF: 3162.1/117

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1105.068+/-0.211 χ^2/NDF: 13232040.8/32

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1081.277+/-0.196 χ^2/NDF: 11834941.6/36

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

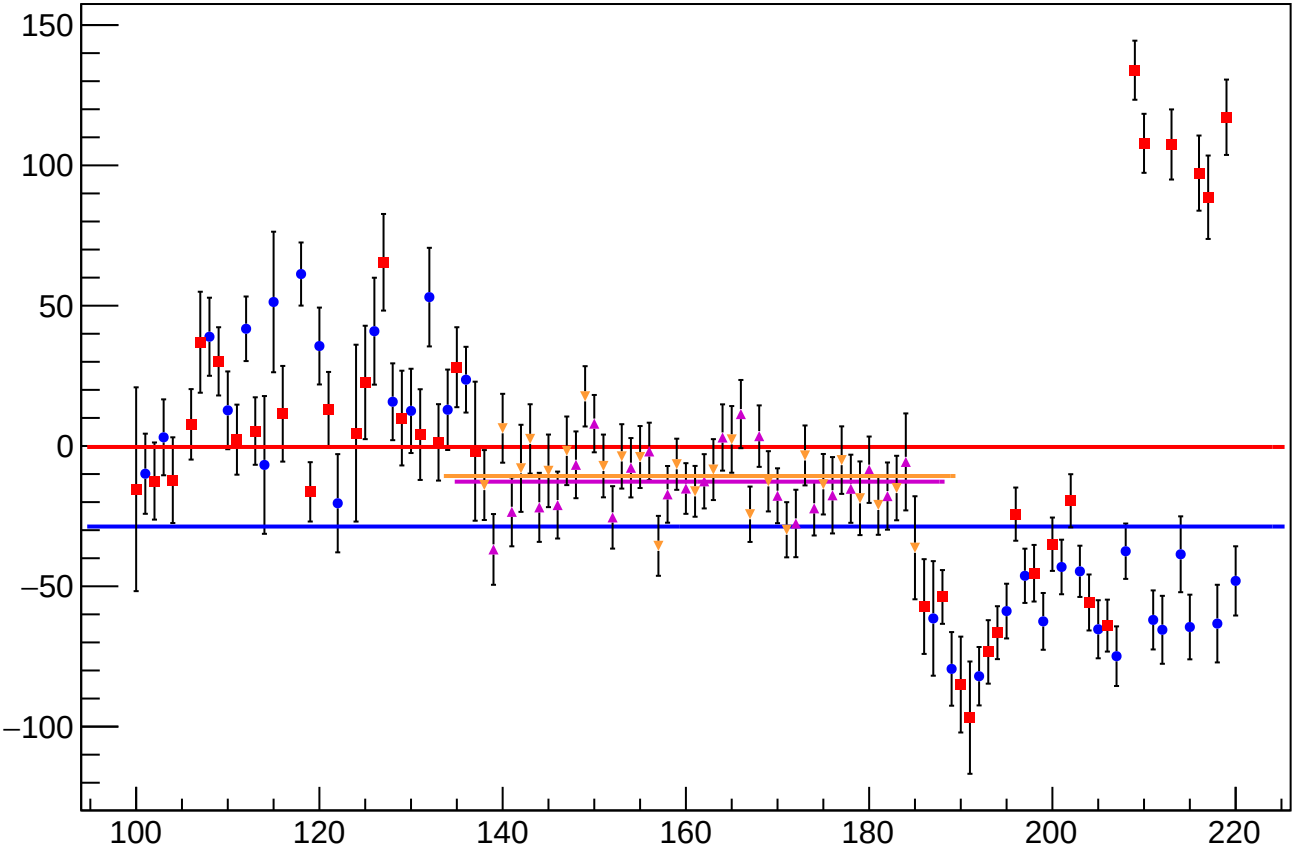
Right: 1092.290+/-0.144 χ^2/NDF: 25073805.0/69

In: 1134.312+/-0.143 χ^2/NDF:14527516.1/55

Out: 1110.524+/-0.135 χ^2/NDF:13347177.7/61

All: 1121.719+/-0.098 χ^2/NDF: 27889244.7/

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -28.703+/-2.151 χ^2/NDF: 399.5/32

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -0.350+/-2.093 χ^2/NDF: 848.5/36

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

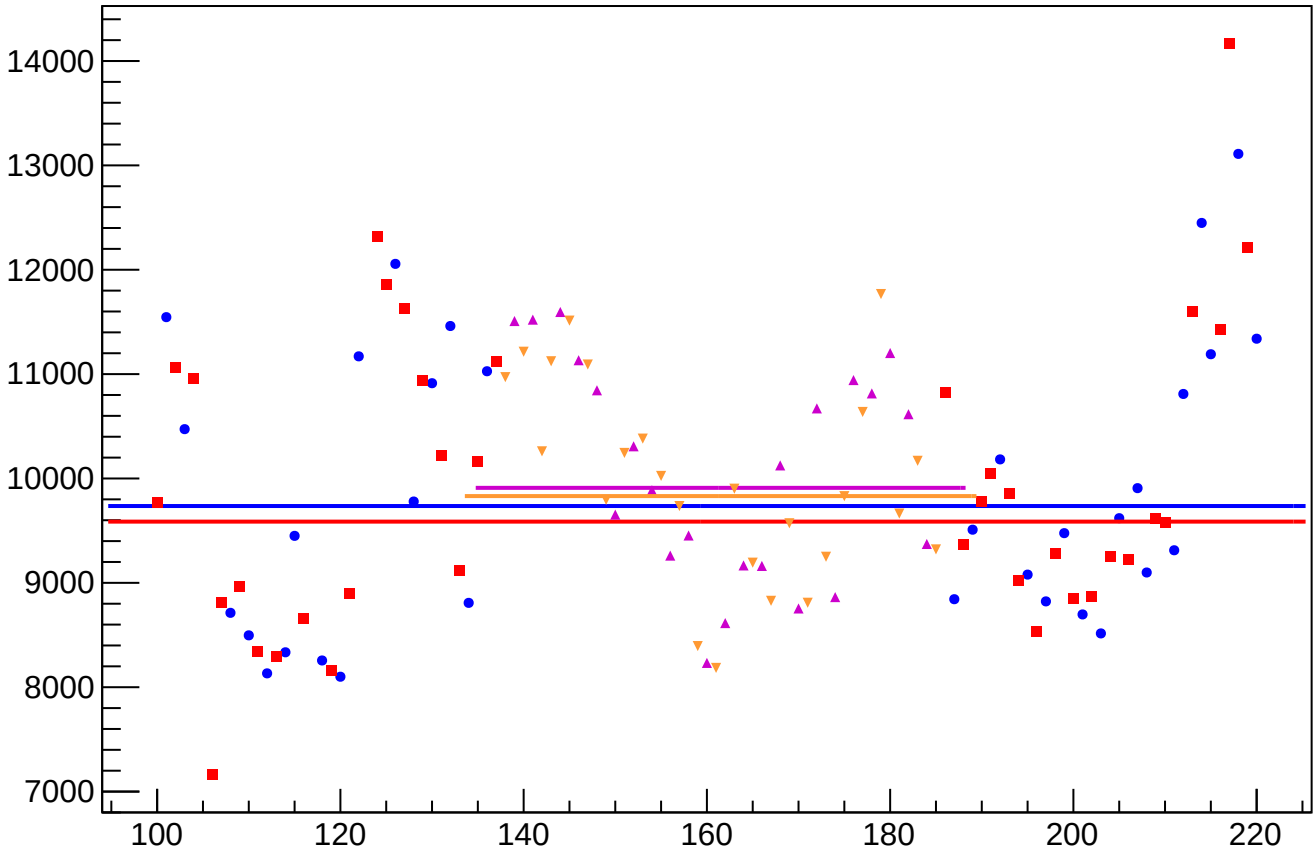
Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

Right: -14.139+/-1.500 χ^2/NDF: 1337.3/69

In: -21.385+/-1.584 χ^2/NDF:448.8/55

Out: -5.133+/-1.535 χ^2/NDF:888.6/61

All: -13.003+/-1.102 χ^2/NDF: 1391.7/117



Right In: 9736.063+/-1.521 χ^2/NDF: 669202.5/32

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9586.649+/-1.480 χ^2/NDF: 744140.5/36

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

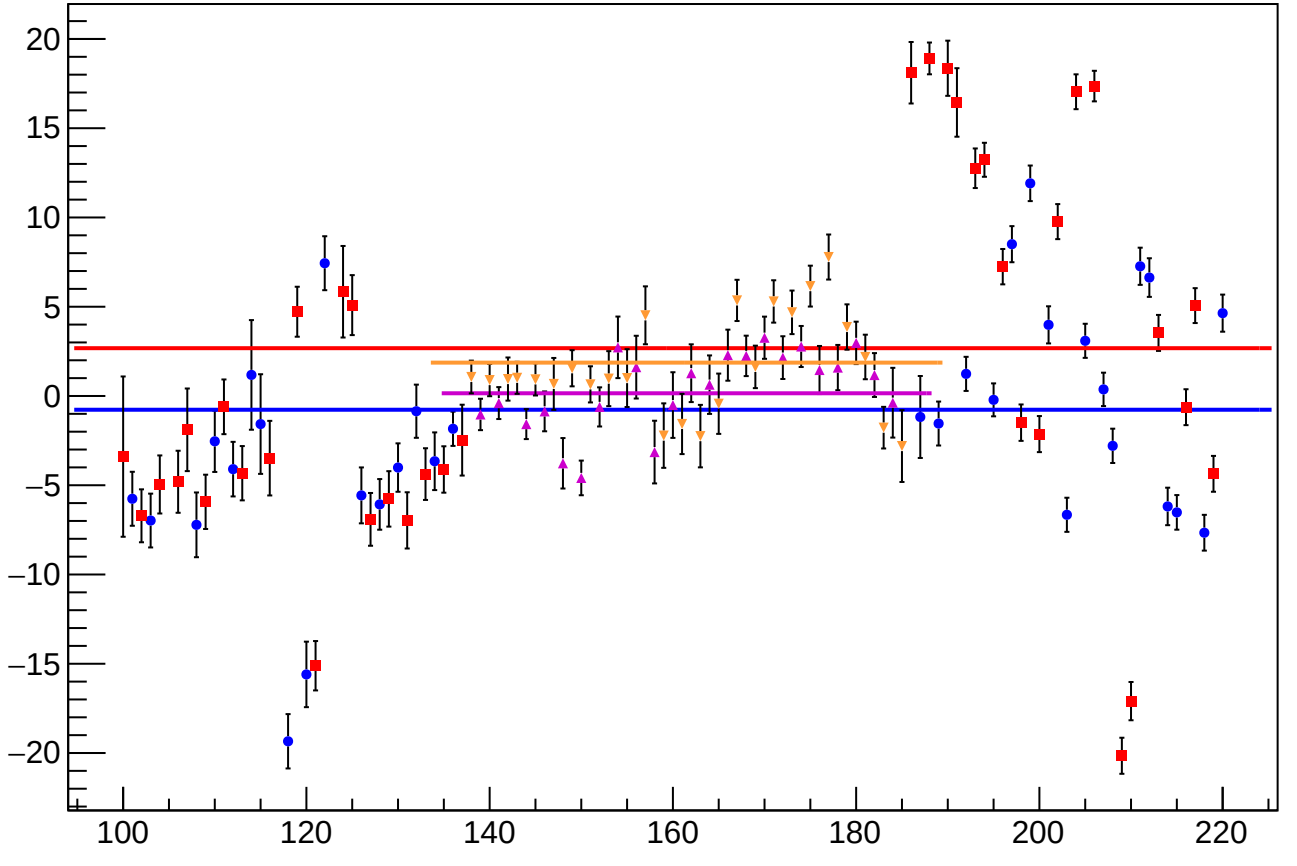
Right: 9659.314+/-1.061 χ^2/NDF: 1418299.7/69

In: 9815.832+/-1.120 χ^2/NDF:1064578.1/55

Out: 9699.753+/-1.085 χ^2/NDF:1112898.6/61

All: 9755.965+/-0.779 χ^2/NDF: 2183016.9/11

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.770+/-0.209 χ^2/NDF: 899.0/32

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 2.678+/-0.206 χ^2/NDF: 2805.2/36

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

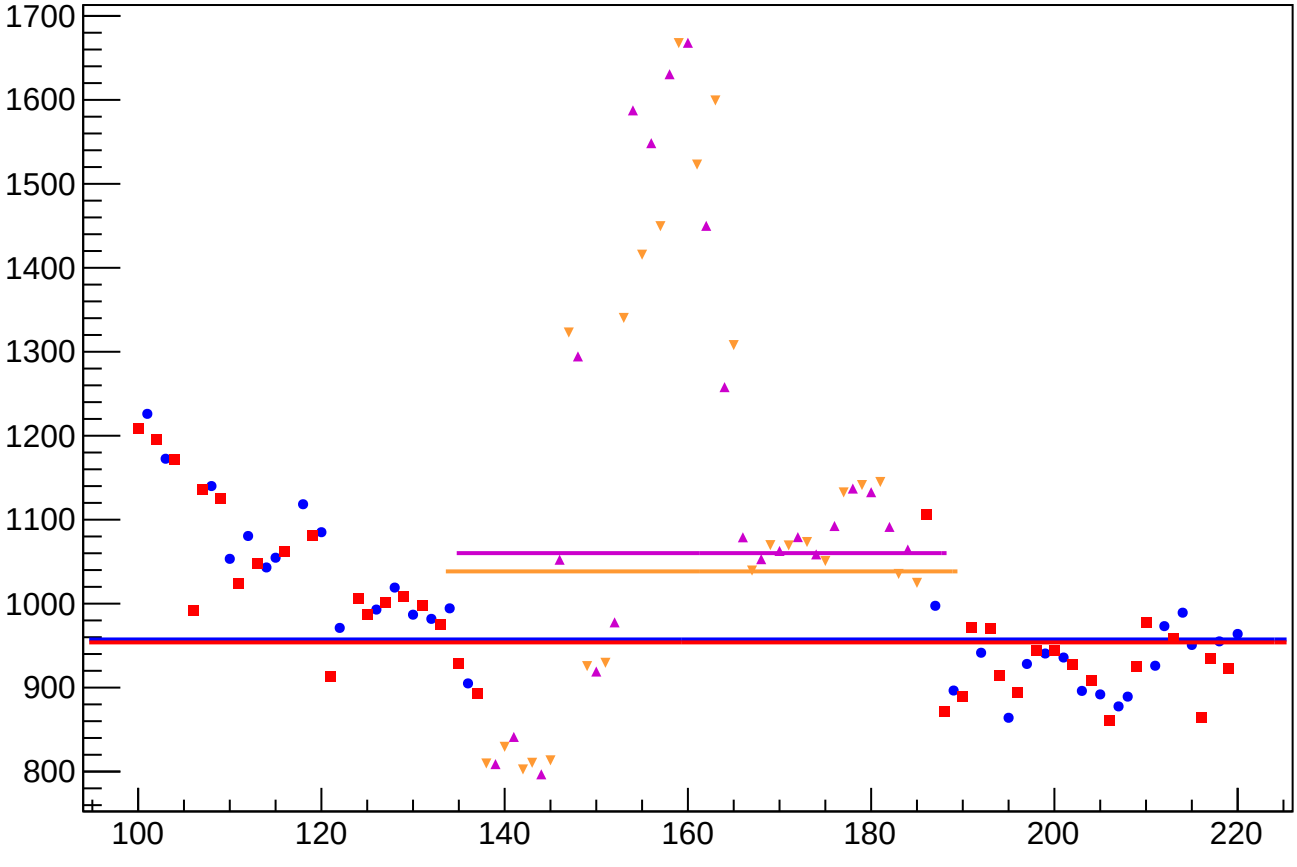
Right: 0.980+/-0.147 χ^2/NDF: 3842.0/69

In: -0.398+/-0.162 χ^2/NDF:982.5/55

Out: 2.339+/-0.157 χ^2/NDF:2914.8/61

All: 1.009+/-0.113 χ^2/NDF: 4044.8/117

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 957.334+/-0.148 χ^2/NDF: 269090.3/32

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 953.834+/-0.146 χ^2/NDF: 278903.7/36

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

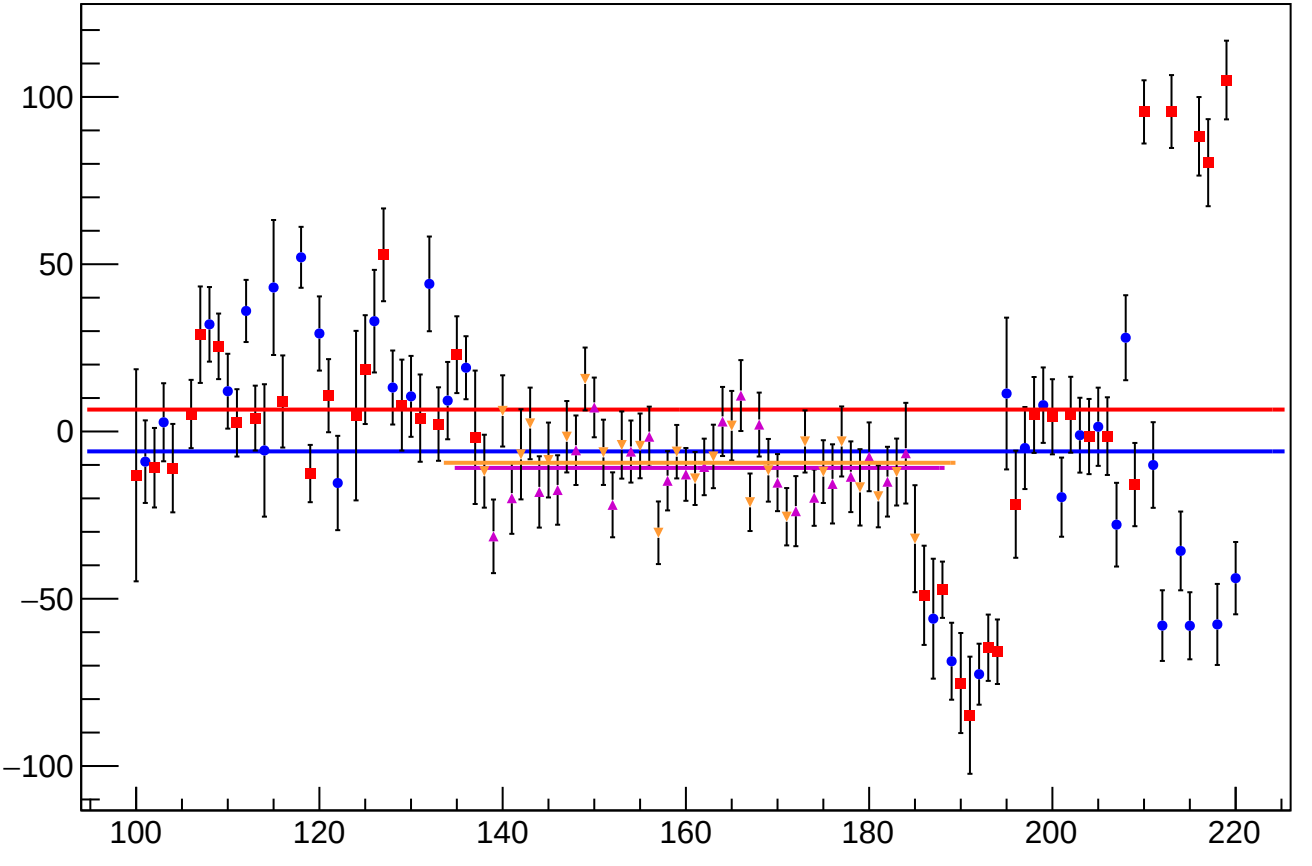
Right: 955.558+/-0.104 χ^2/NDF: 548278.0/69

In: 998.817+/-0.114 χ^2/NDF:1987116.6/55

Out: 989.280+/-0.111 χ^2/NDF:2126712.1/61

All: 993.913+/-0.080 χ^2/NDF: 4117409.2/117

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: -5.949+/-2.056 χ^2/NDF: 318.3/32

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 6.551+/-1.949 χ^2/NDF: 563.6/36

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

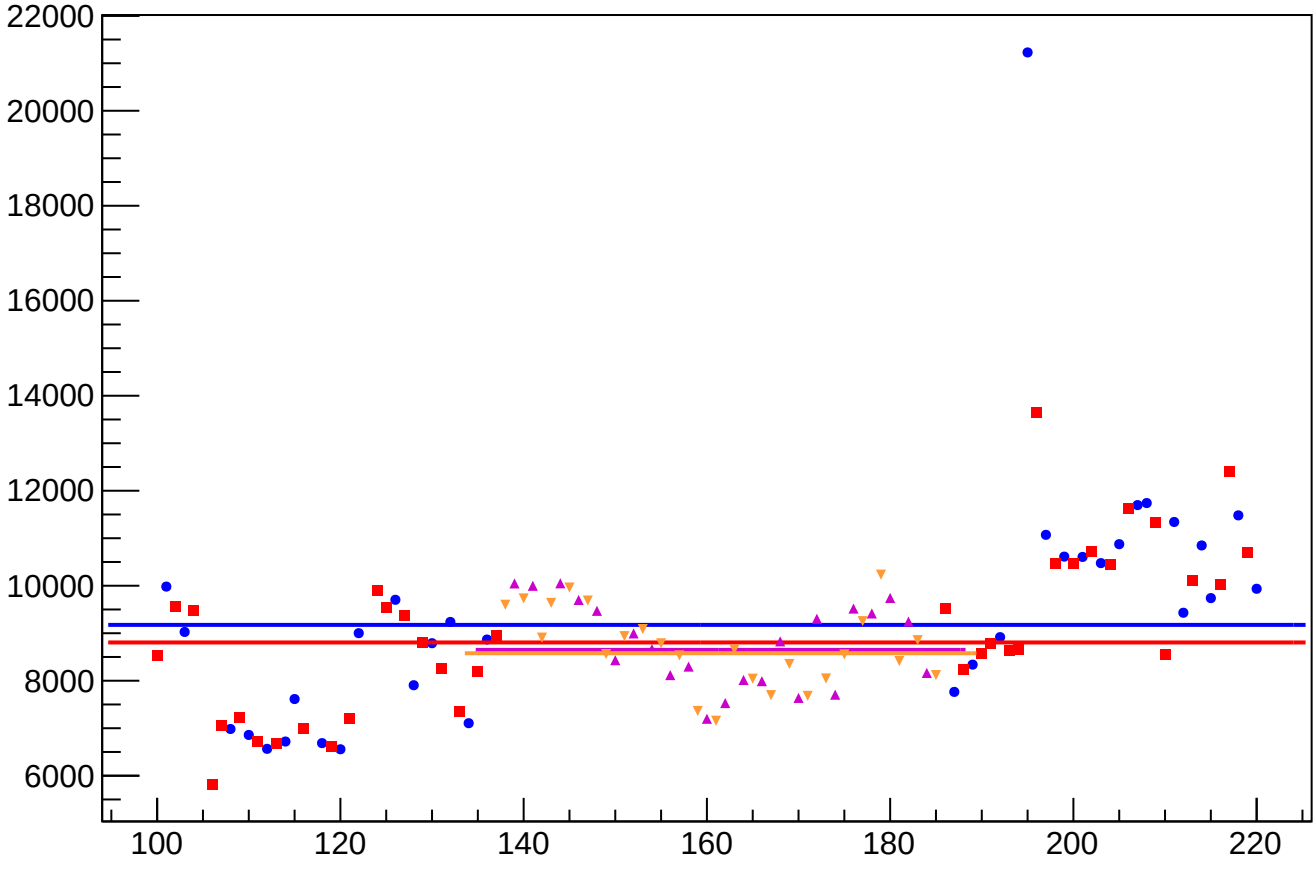
Right: 0.633+/-1.415 χ^2/NDF: 901.4/69

In: -8.437+/-1.449 χ^2/NDF:344.8/55

Out: -1.322+/-1.385 χ^2/NDF:625.1/61

All: -4.720+/-1.001 χ^2/NDF: 982.5/117

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 9175.797+/-1.454 χ^2/NDF: 1848978.4/32

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8805.816+/-1.378 χ^2/NDF: 1554091.2/36

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

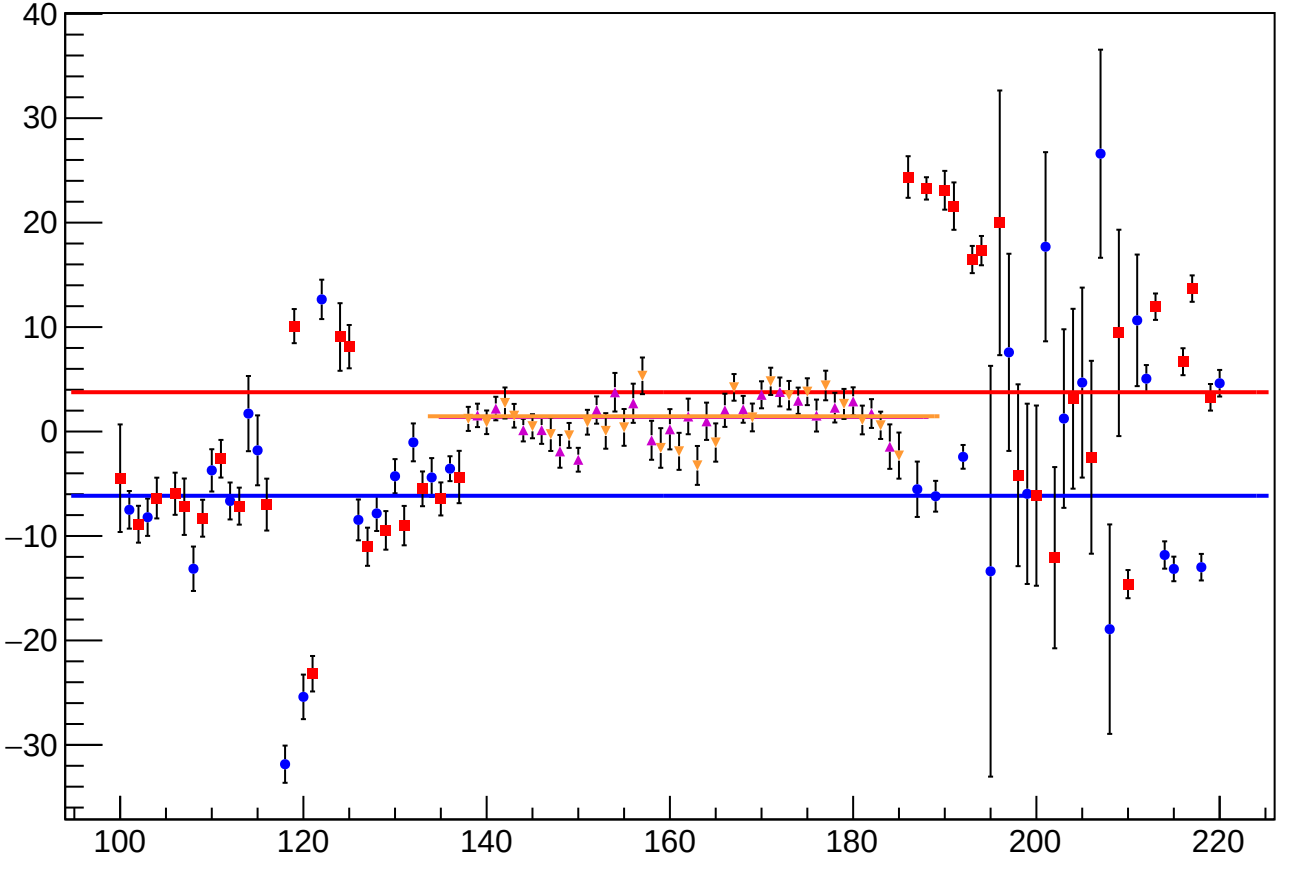
Right: 8980.965+/-1.000 χ^2/NDF: 3437173.6/69

In: 8910.775+/-1.025 χ^2/NDF:2292933.8/55

Out: 8693.253+/-0.980 χ^2/NDF:1911284.6/61

All: 8797.132+/-0.708 χ^2/NDF: 4227764.5/11

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.151+/-0.328 χ^2/NDF: 697.1/32

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.764+/-0.305 χ^2/NDF: 1857.2/36

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

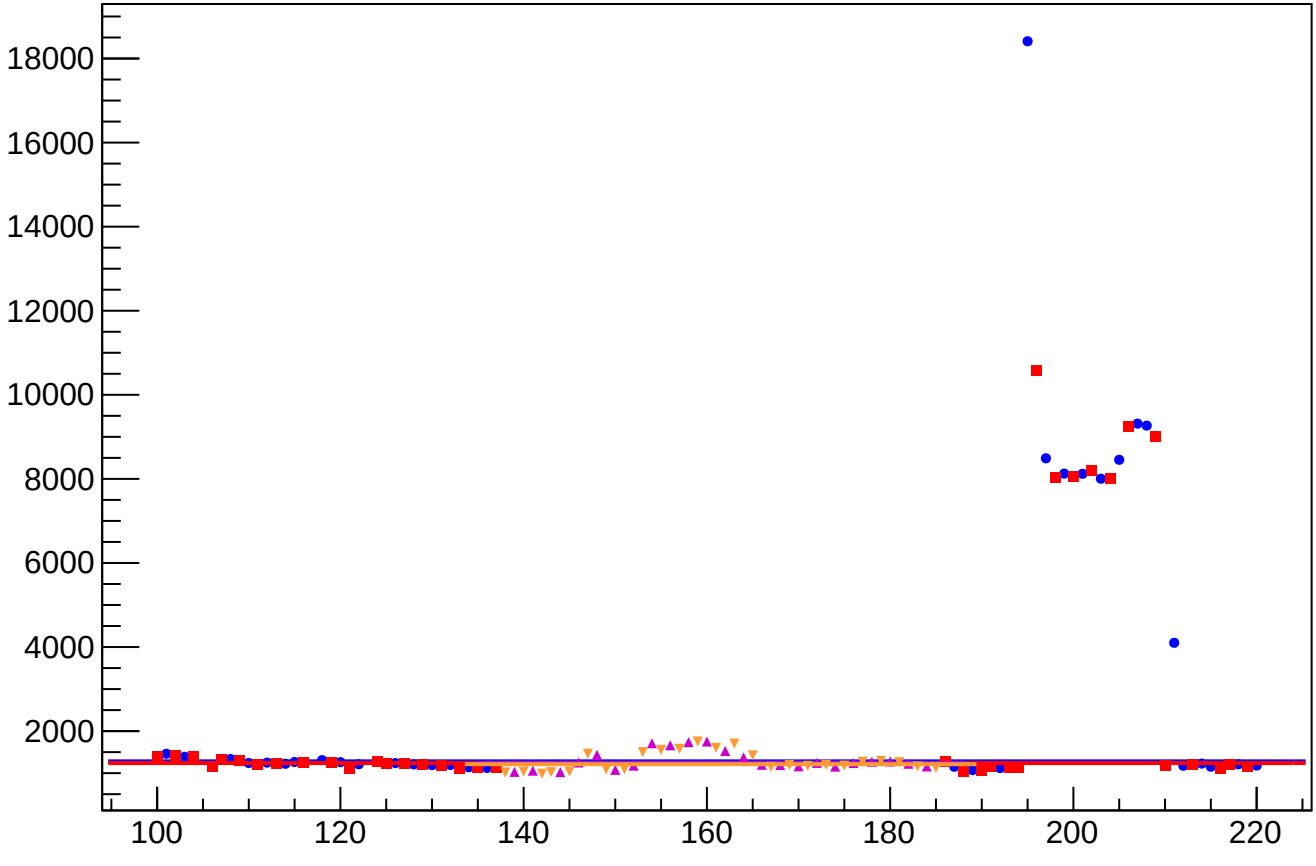
Right: -0.829+/-0.223 χ^2/NDF: 3044.6/69

In: -1.972+/-0.219 χ^2/NDF:1025.4/55

Out: 2.517+/-0.206 χ^2/NDF:1939.2/61

All: 0.406+/-0.150 χ^2/NDF: 3187.1/117

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1280.408+/-0.232 χ^2/NDF: 10775067.1/32

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1239.714+/-0.215 χ^2/NDF: 9039804.1/36

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

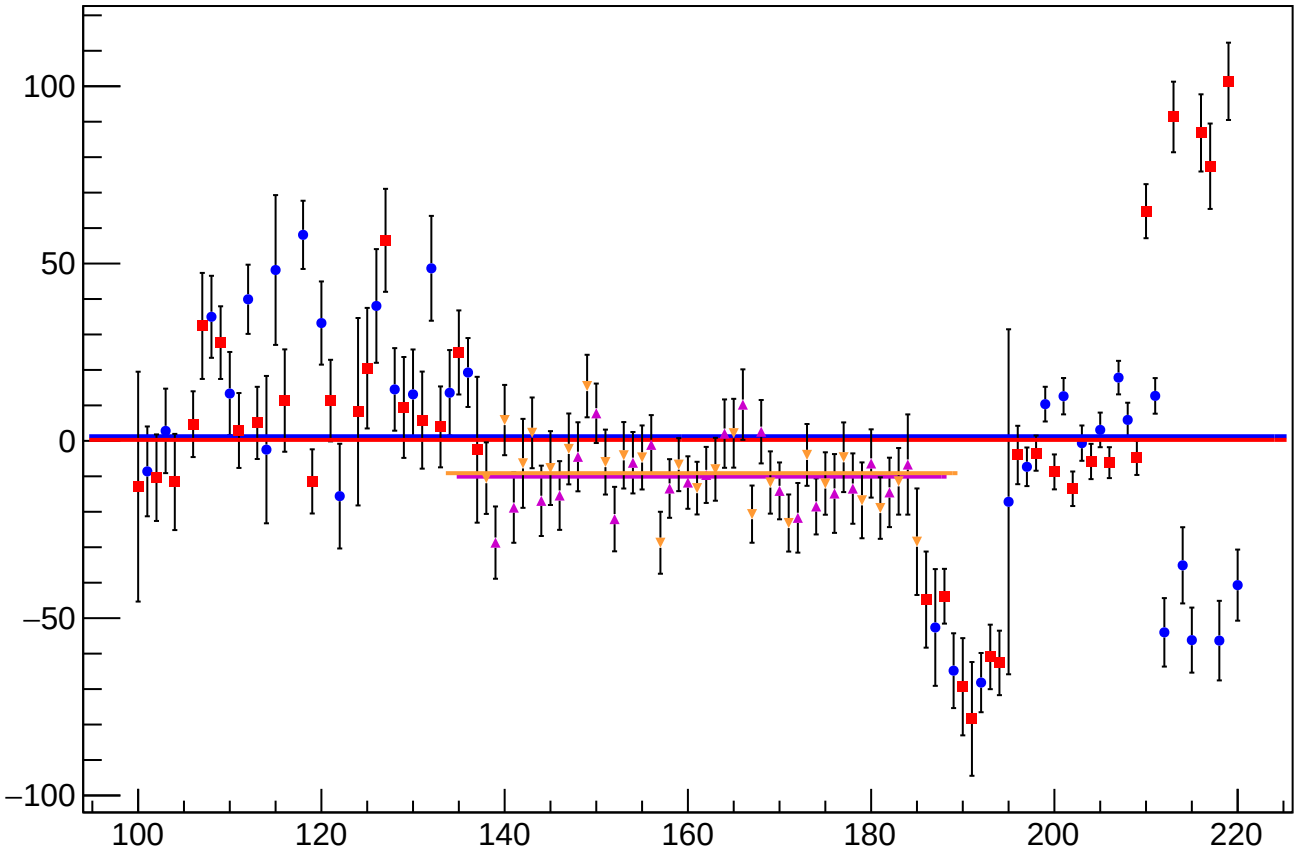
Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

Right: 1258.565+/-0.158 χ^2/NDF: 19831389.6/69

In: 1257.559+/-0.155 χ^2/NDF:11678171.9/55

Out: 1225.395+/-0.146 χ^2/NDF:10060723.2/61

All: 1240.521+/-0.106 χ^2/NDF: 21761735.9/1



Right In: 1.302+/-1.407 χ^2/NDF: 372.7/32

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 0.272+/-1.413 χ^2/NDF: 588.1/36

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

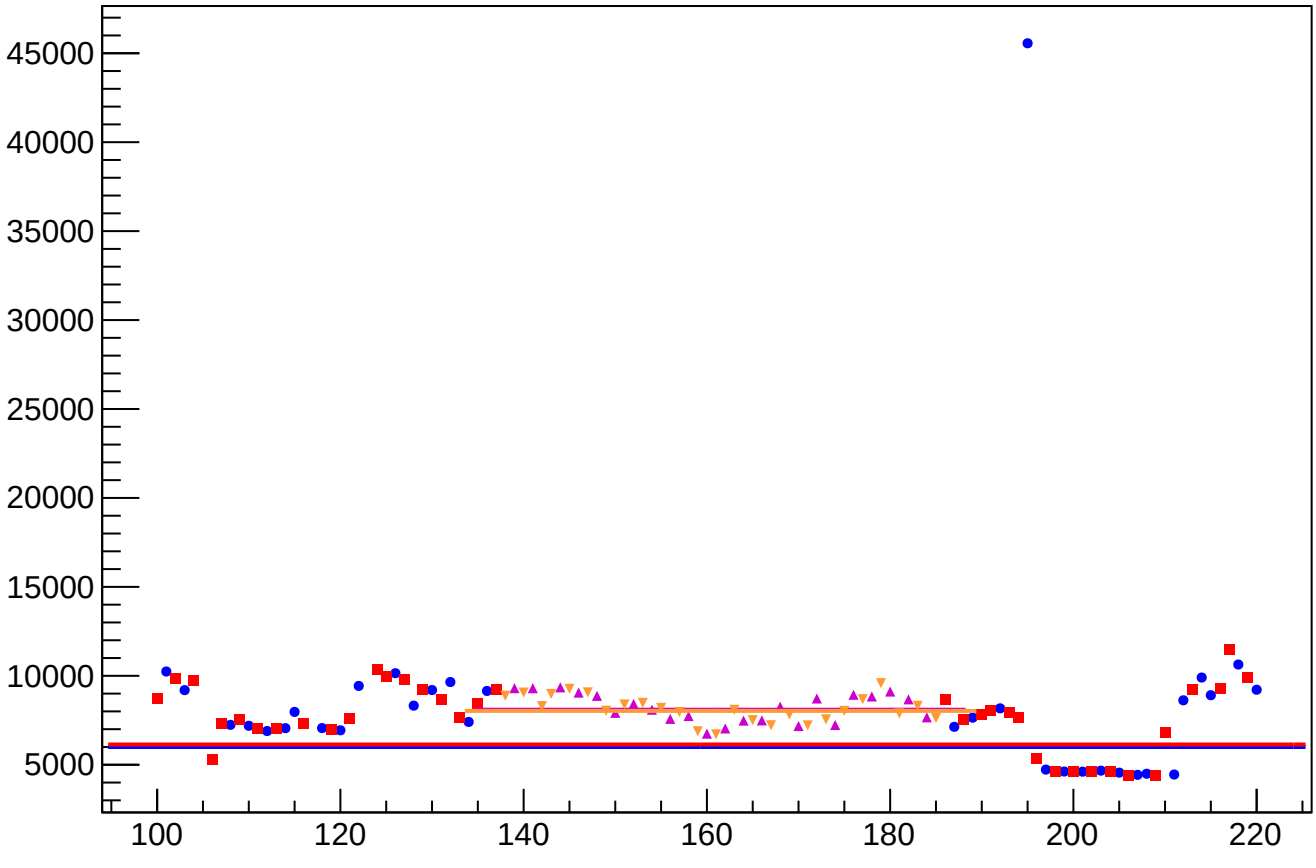
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: 0.789+/-0.997 χ^2/NDF: 961.0/69

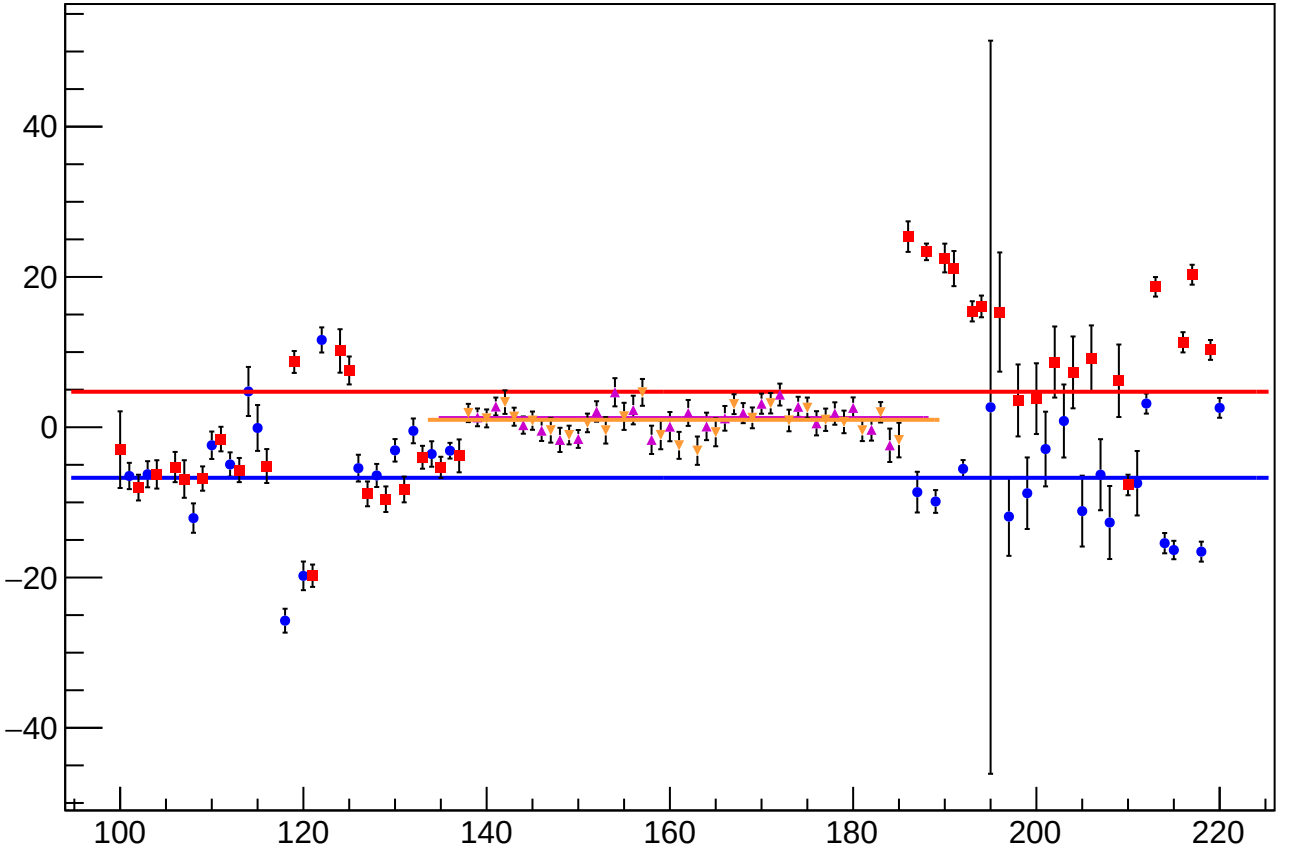
In: -2.705+/-1.133 χ^2/NDF:420.0/55

Out: -3.203+/-1.121 χ^2/NDF:633.2/61

All: -2.957+/-0.797 χ^2/NDF: 1053.3/117


diff_bpm0l09X_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 5998.370+/-0.995 χ²/NDF: 5309536.5/32
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 6138.822+/-0.999 χ²/NDF: 3816645.5/36
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 6068.335+/-0.705 χ²/NDF: 9136102.9/69
In: 6735.712+/-0.801 χ²/NDF:7238022.8/55
Out: 6838.306+/-0.793 χ²/NDF:5473372.7/61
All: 6787.566+/-0.564 χ²/NDF: 12719679.0/

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -6.730+/-0.313 χ^2/NDF: 652.8/32

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 4.724+/-0.294 χ^2/NDF: 1875.9/36

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

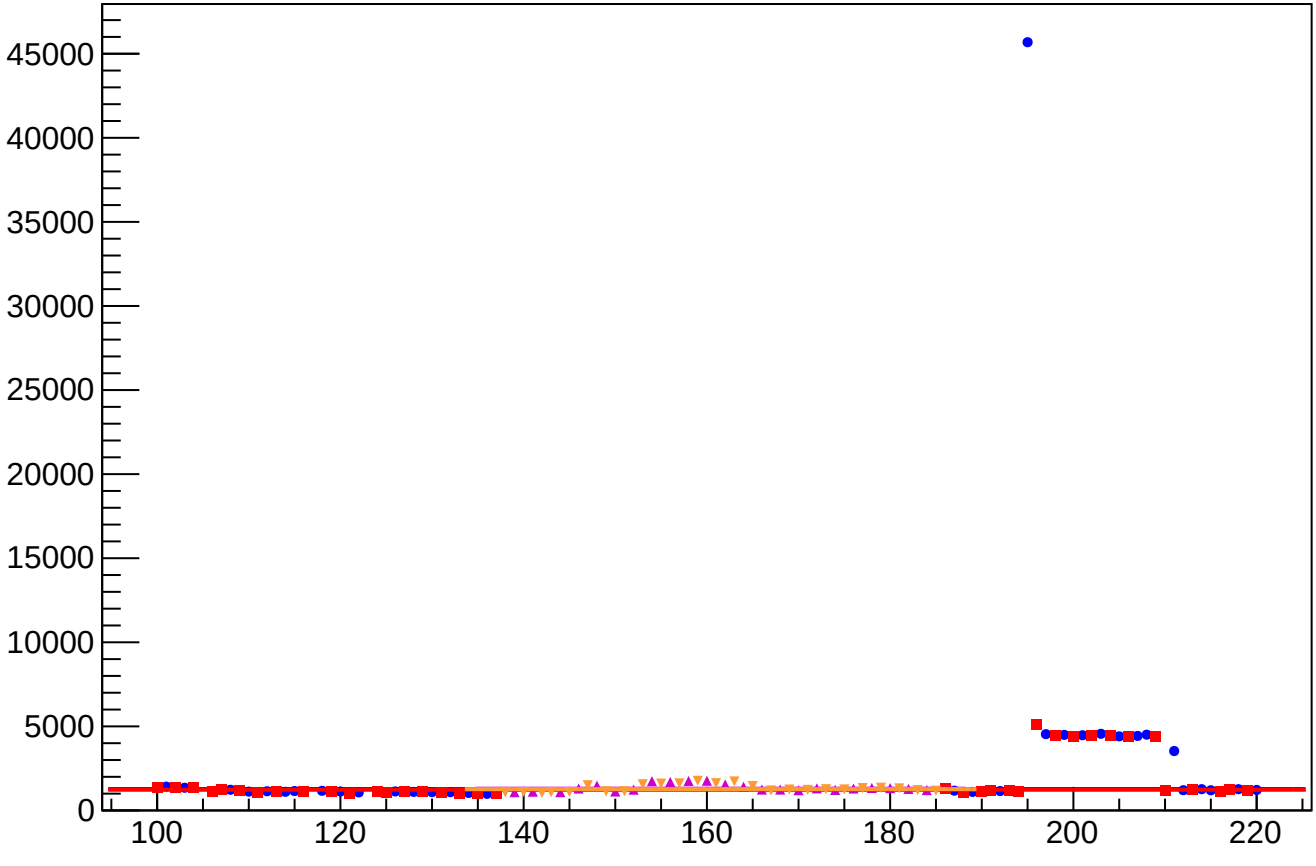
Right: -0.638+/-0.214 χ^2/NDF: 3241.2/69

In: -2.673+/-0.219 χ^2/NDF:1015.2/55

Out: 2.848+/-0.207 χ^2/NDF:1988.2/61

All: 0.241+/-0.150 χ^2/NDF: 3338.9/117

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1270.063+/-0.221 χ^2/NDF: 8757517.5/32

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1231.875+/-0.208 χ^2/NDF: 6411409.4/36

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

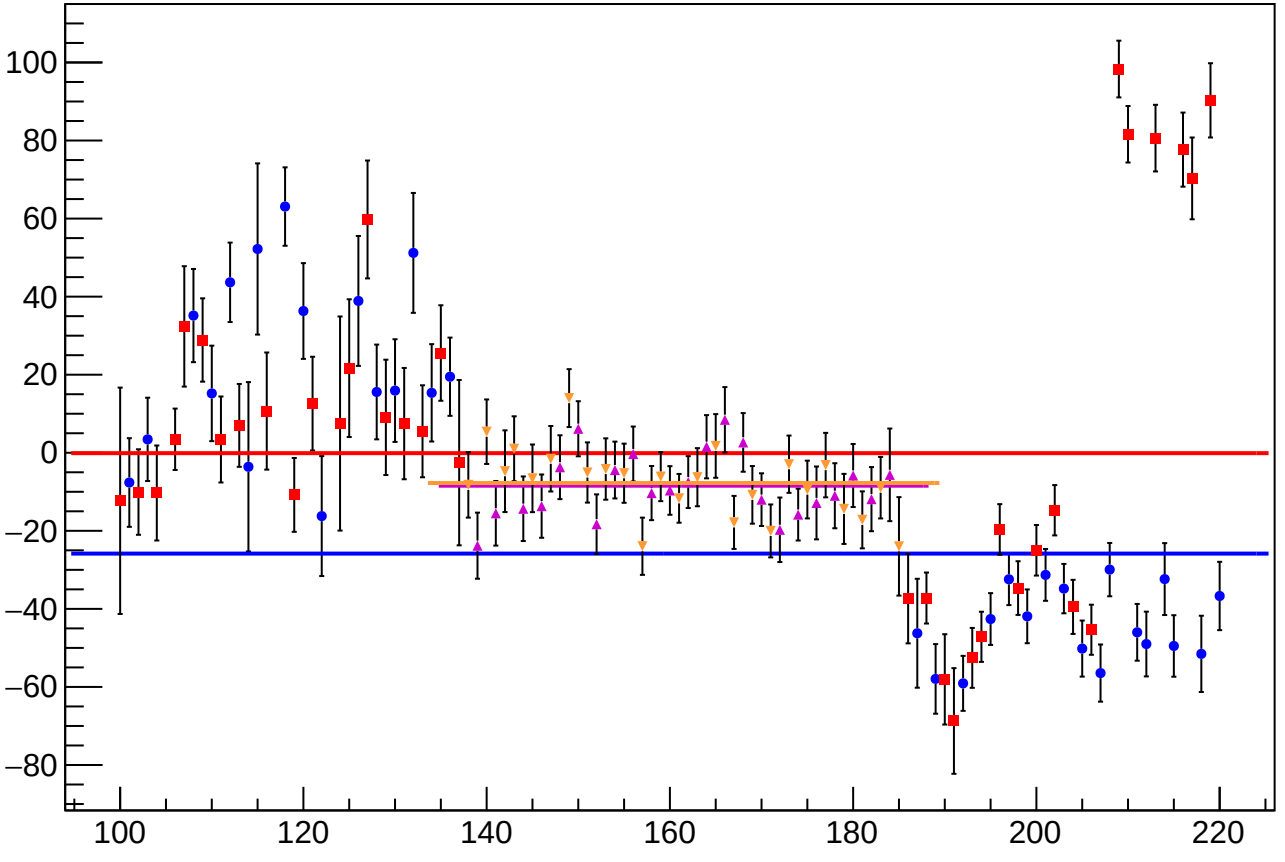
Right: 1249.751+/-0.151 χ^2/NDF: 15184768.3/69

In: 1282.316+/-0.155 χ^2/NDF:9521720.0/55

Out: 1249.714+/-0.146 χ^2/NDF:7304549.7/61

All: 1265.110+/-0.106 χ^2/NDF: 16849664.1/1

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -25.835+/-1.585 χ^2/NDF: 421.2/32

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -0.100+/-1.532 χ^2/NDF: 973.1/36

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

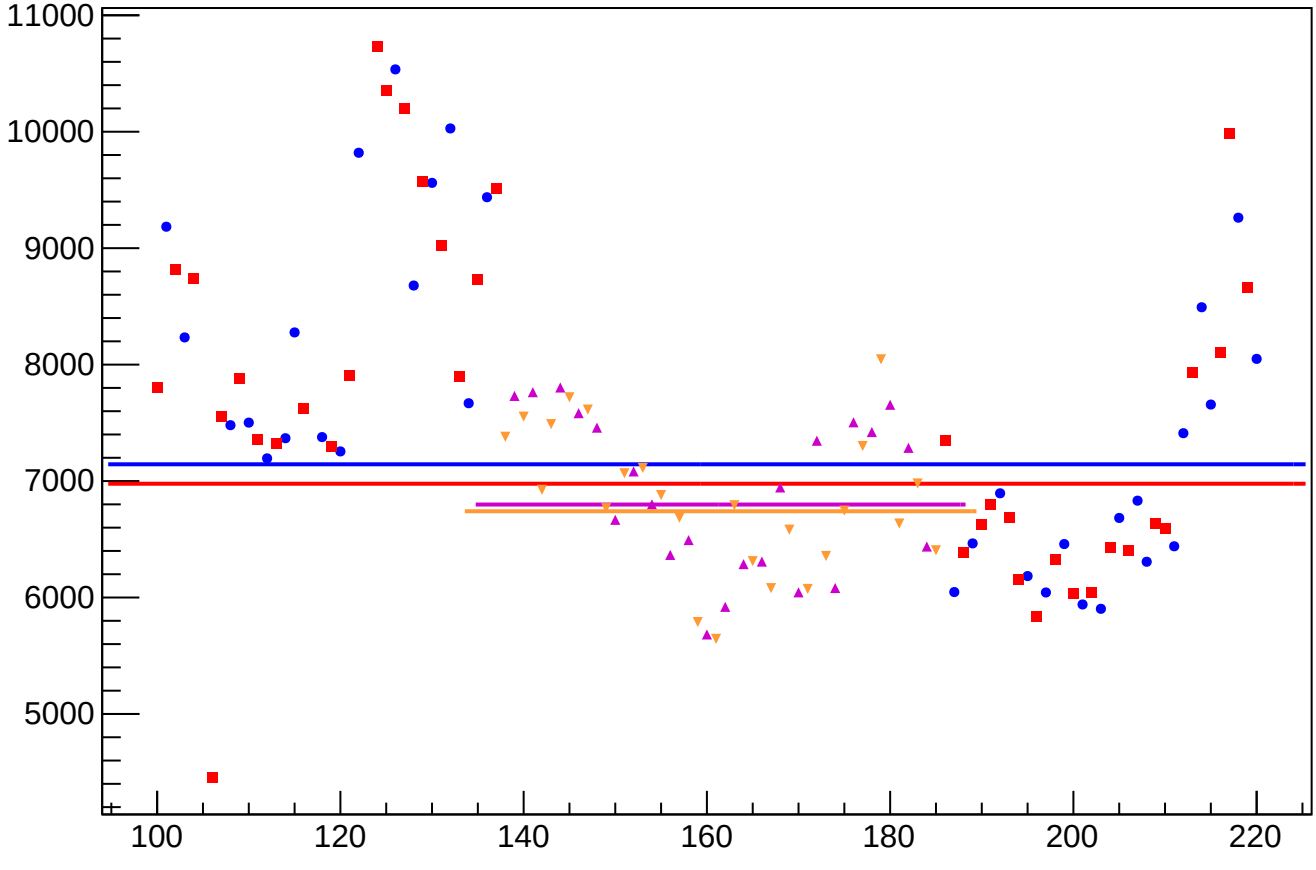
Right: -12.535+/-1.102 χ^2/NDF: 1530.6/69

In: -17.244+/-1.128 χ^2/NDF:505.5/55

Out: -3.891+/-1.089 χ^2/NDF:1015.9/61

All: -10.333+/-0.783 χ^2/NDF: 1594.0/117

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7144.138+/-1.121 χ^2/NDF: 1033041.1/32

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6977.189+/-1.084 χ^2/NDF: 1271884.8/36

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

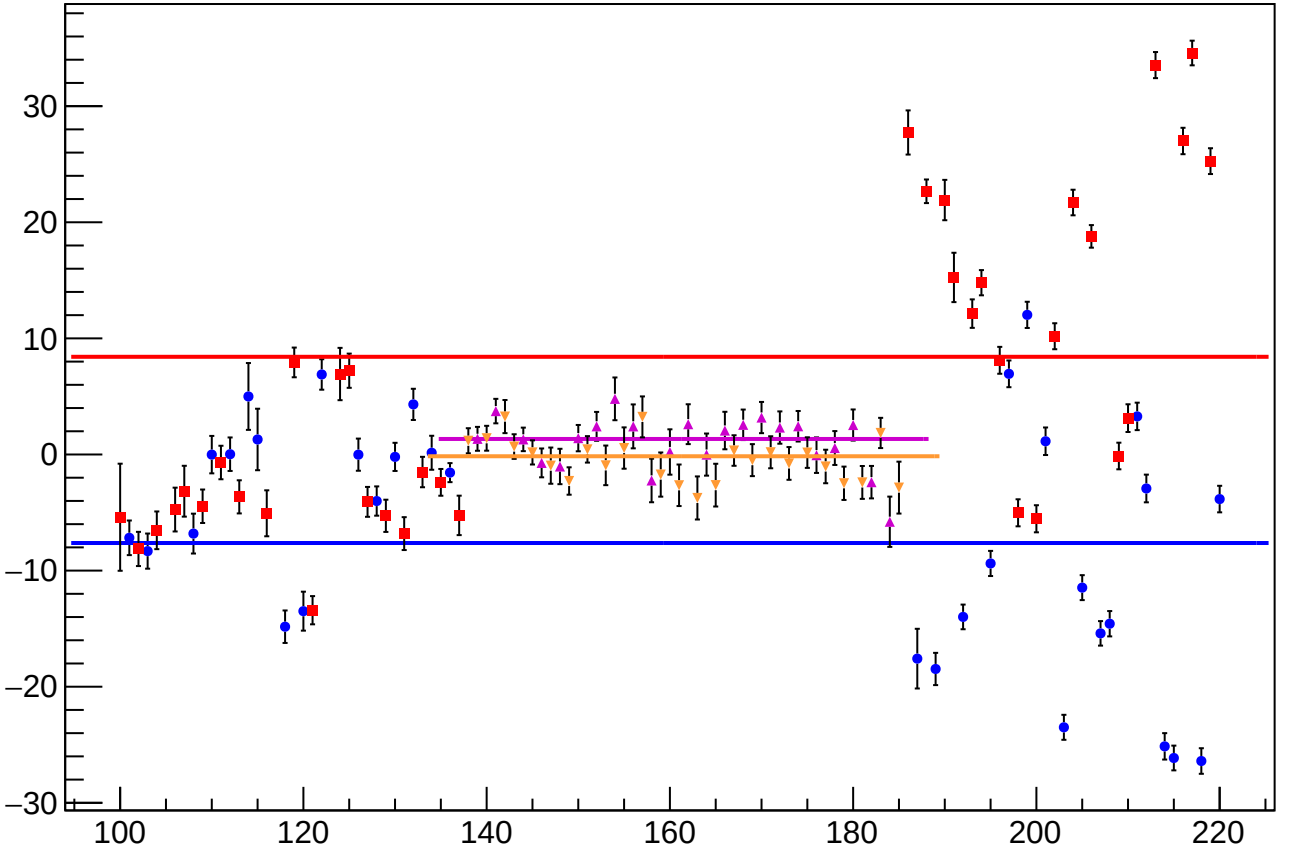
Right: 7057.856+/-0.779 χ^2/NDF: 2316396.2/69

In: 6973.478+/-0.797 χ^2/NDF:1433285.7/55

Out: 6860.103+/-0.770 χ^2/NDF:1612162.4/61

All: 6914.795+/-0.554 χ^2/NDF: 3055913.8/11

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -7.624+/-0.219 χ^2/NDF: 2379.8/32

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 8.414+/-0.217 χ^2/NDF: 4006.0/36

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

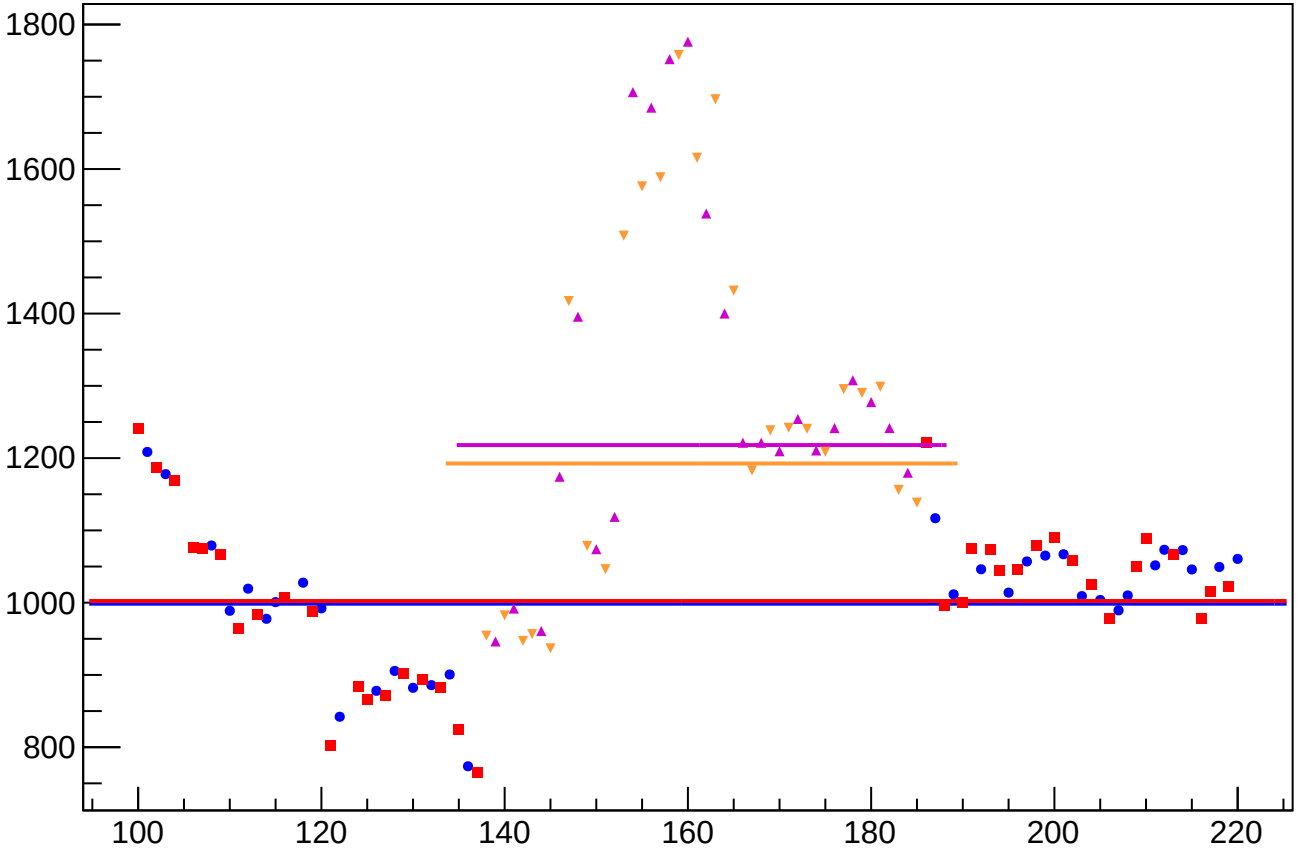
Right: 0.458+/-0.154 χ^2/NDF: 9098.9/69

In: -4.380+/-0.175 χ^2/NDF:3032.3/55

Out: 5.154+/-0.171 χ^2/NDF:4635.7/61

All: 0.495+/-0.122 χ^2/NDF: 9192.9/117

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 998.607+/-0.155 χ^2/NDF: 382884.2/32

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 1002.296+/-0.153 χ^2/NDF: 384142.2/36

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

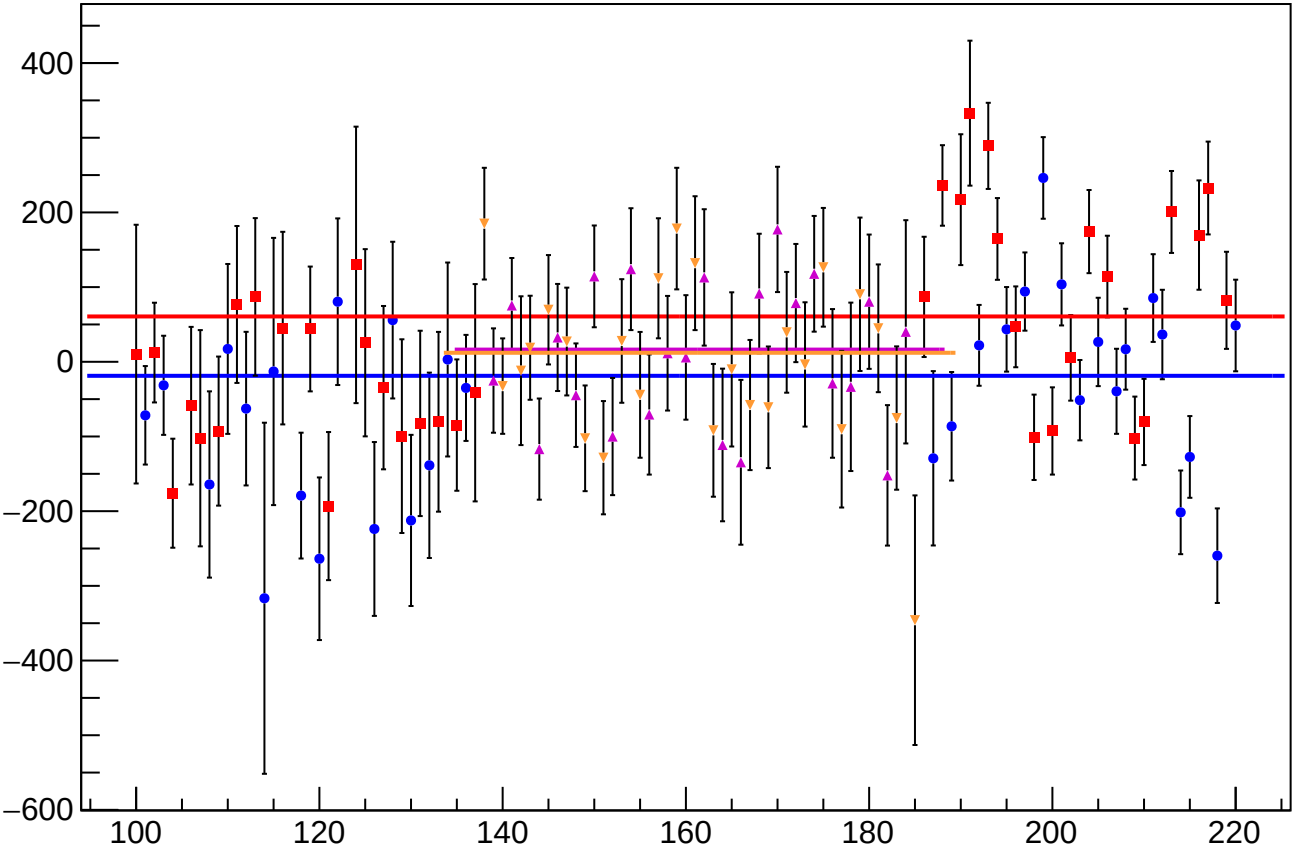
Right: 1000.466+/-0.109 χ^2/NDF: 767313.5/69

In: 1078.050+/-0.123 χ^2/NDF:2240670.0/55

Out: 1074.701+/-0.121 χ^2/NDF:2290233.8/61

All: 1076.338+/-0.086 χ^2/NDF: 4531280.2/11

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -18.766+/-12.332 χ^2/NDF: 93.3/32

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 60.714+/-12.284 χ^2/NDF: 124.3/36

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

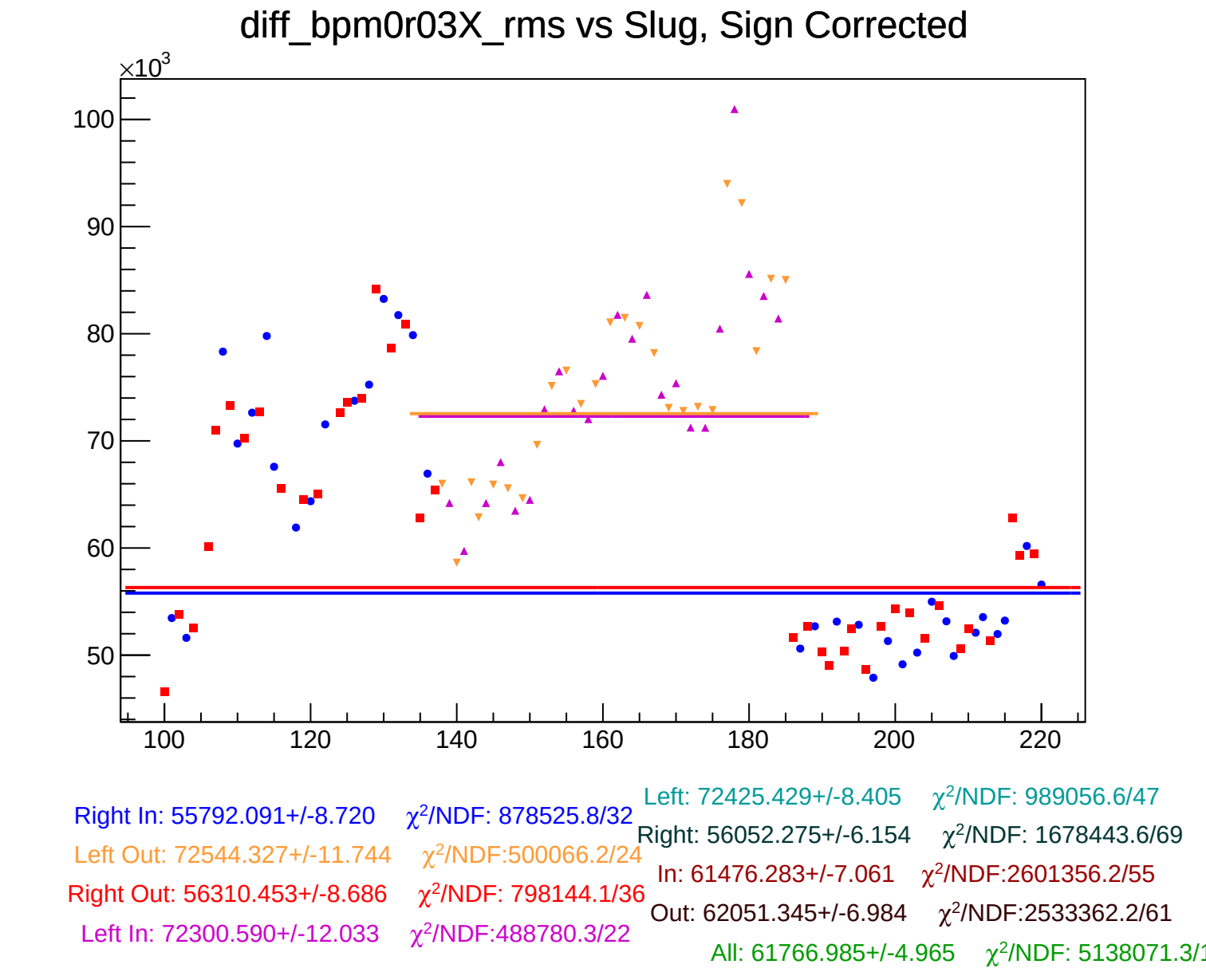
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 21.128+/-8.703 χ^2/NDF: 238.5/69

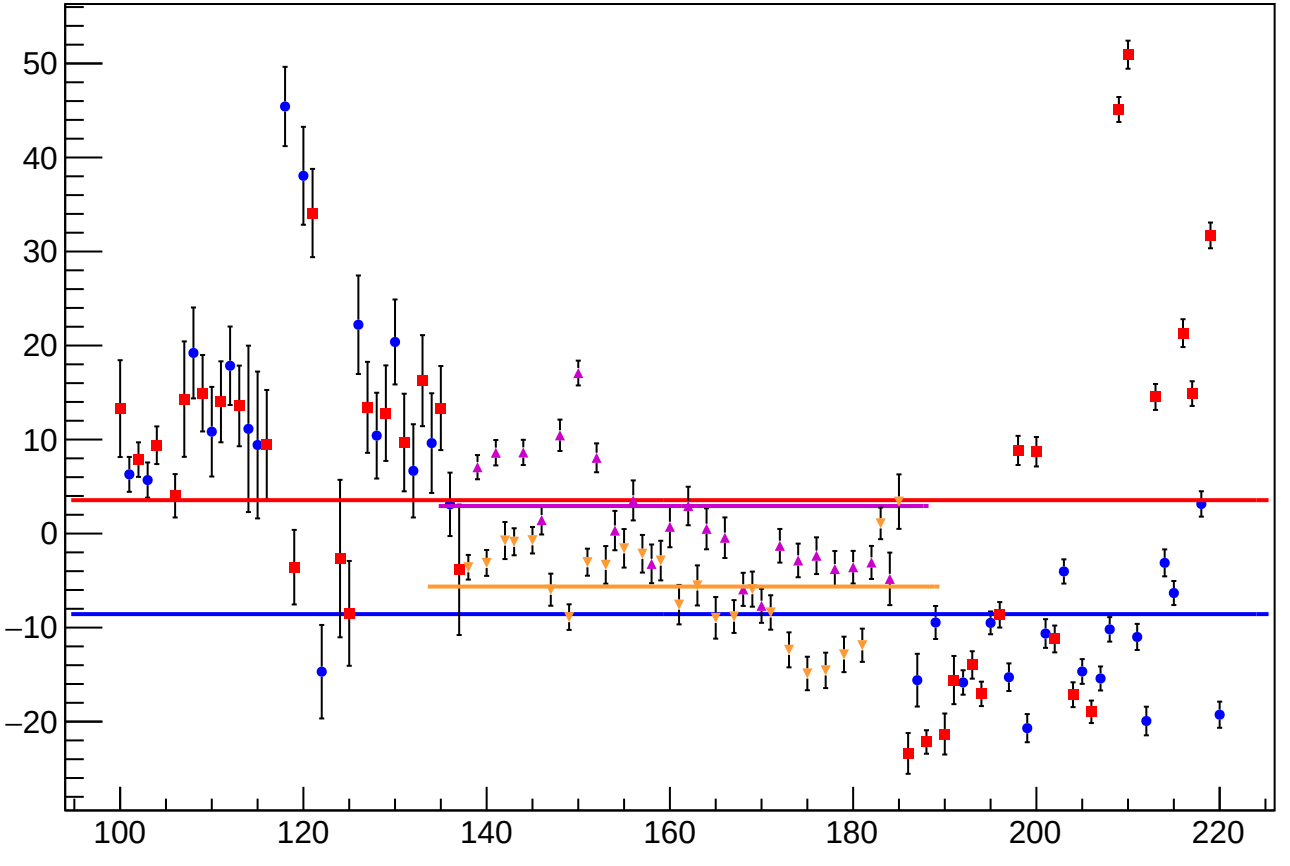
In: -6.679+/-9.986 χ^2/NDF:124.8/55

Out: 43.516+/-9.876 χ^2/NDF:162.6/61

All: 18.695+/-7.022 χ^2/NDF: 300.2/117


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
220
Right In: 55792.091+/-8.720 χ²/NDF: 878525.8/32
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 56310.453+/-8.686 χ²/NDF: 798144.1/36
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 56052.275+/-6.154 χ²/NDF: 1678443.6/69
In: 61476.283+/-7.061 χ²/NDF:2601356.2/55
Out: 62051.345+/-6.984 χ²/NDF:2533362.2/61
All: 61766.985+/-4.965 χ²/NDF: 5138071.3/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -8.567+/-0.320 χ^2/NDF: 995.8/32

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 3.553+/-0.318 χ^2/NDF: 4776.5/36

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

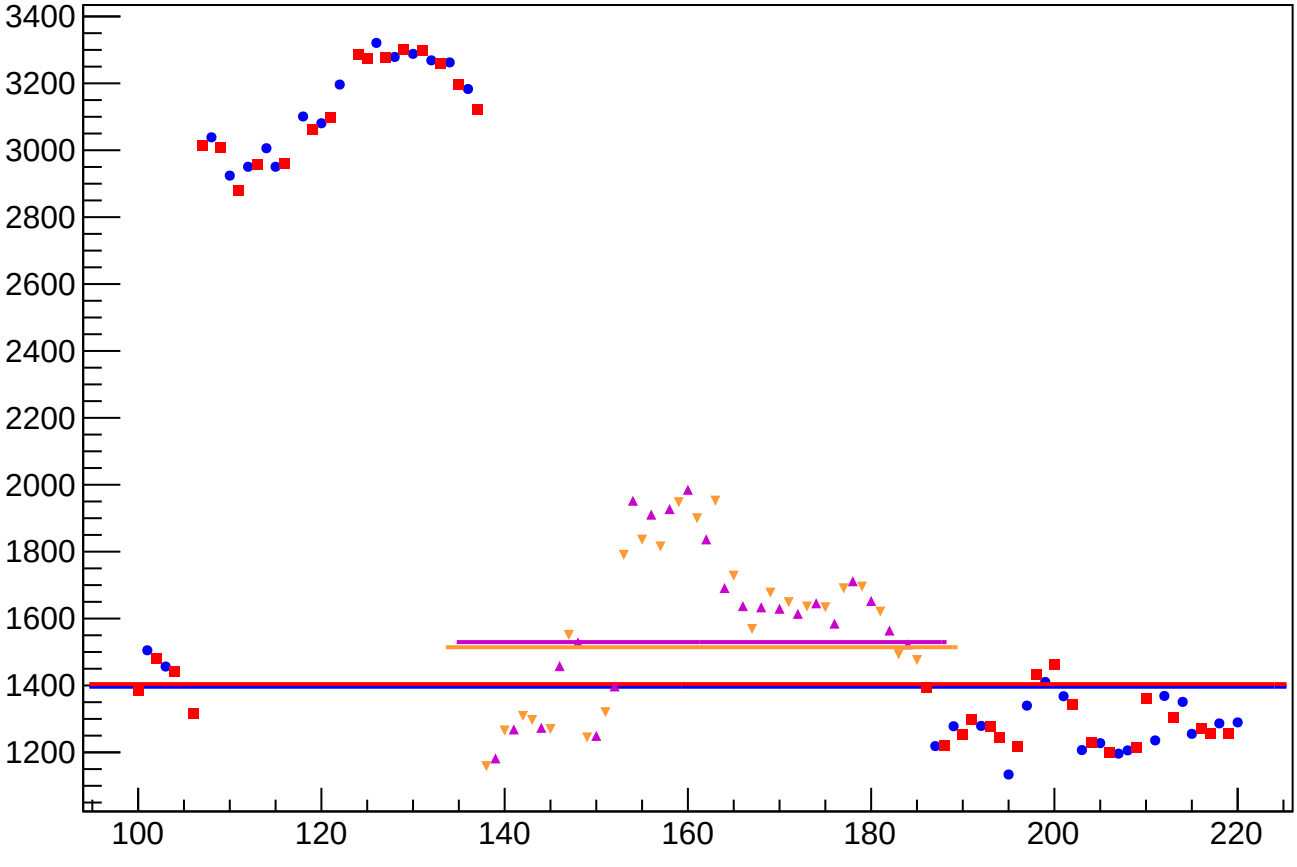
Right: -2.455+/-0.226 χ^2/NDF: 6493.9/69

In: -3.521+/-0.240 χ^2/NDF:1898.2/55

Out: -0.610+/-0.235 χ^2/NDF:5333.8/61

All: -2.035+/-0.168 χ^2/NDF: 7307.1/117

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1396.194+/-0.227 χ^2/NDF: 4099921.6/32

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1404.020+/-0.225 χ^2/NDF: 3971998.8/36

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

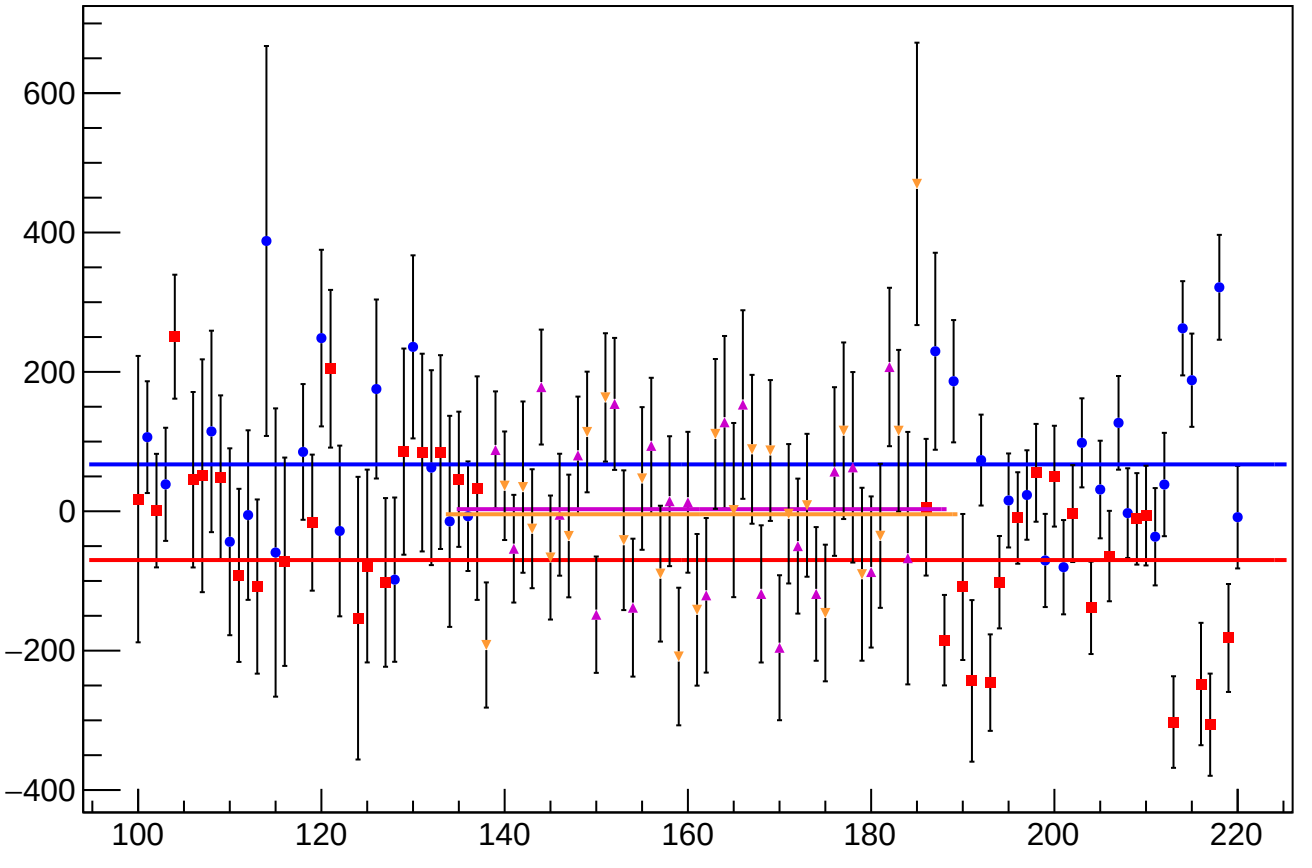
Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

Right: 1400.140+/-0.160 χ^2/NDF: 8072522.0/69

In: 1454.763+/-0.170 χ^2/NDF:5080653.3/55

Out: 1454.000+/-0.166 χ^2/NDF:5014598.4/61

All: 1454.374+/-0.119 χ^2/NDF: 10095262.0/



Right In: 67.269+/-14.716 χ^2/NDF: 53.5/32

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -70.006+/-14.667 χ^2/NDF: 80.5/36

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

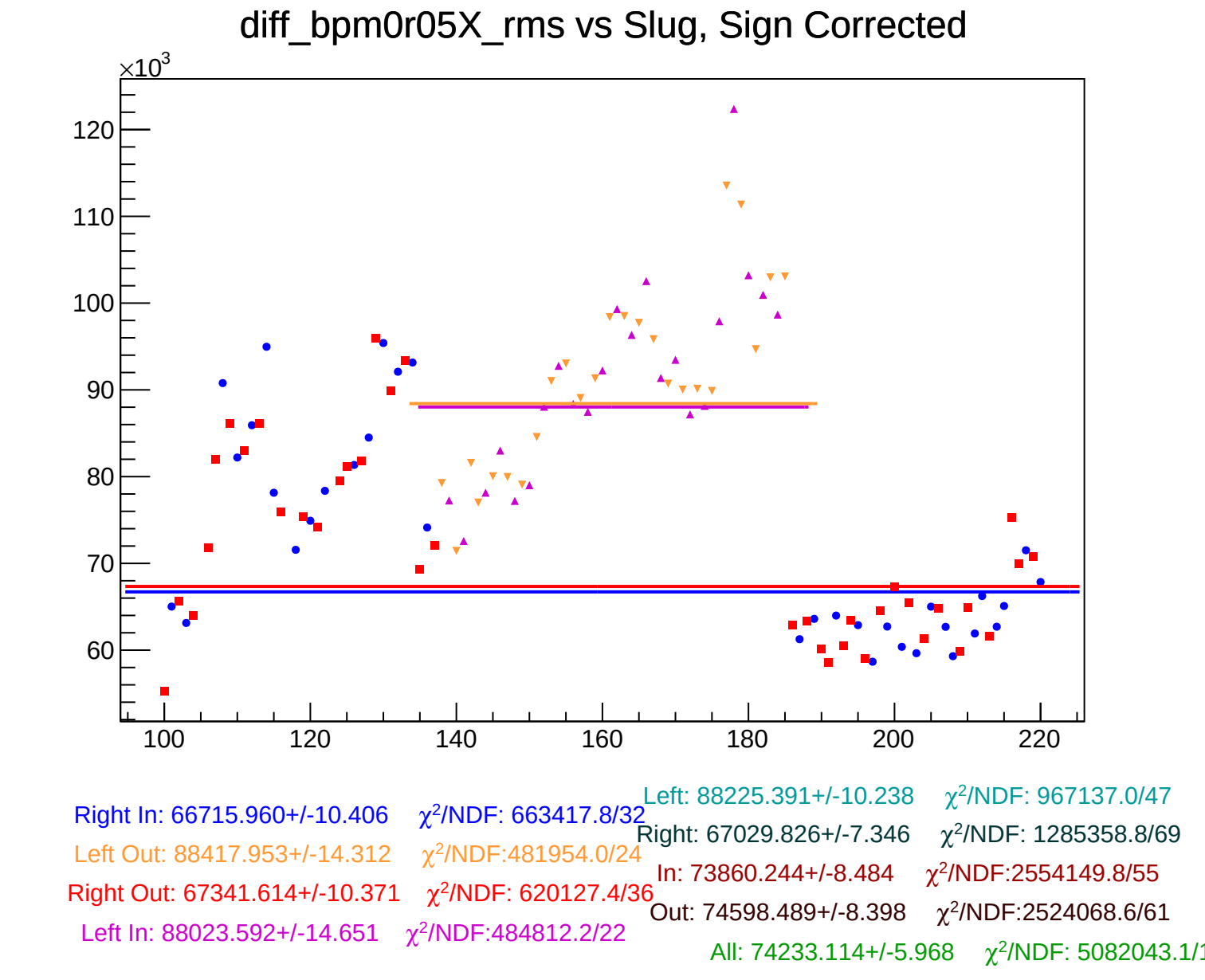
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: -1.596+/-10.388 χ^2/NDF: 177.7/69

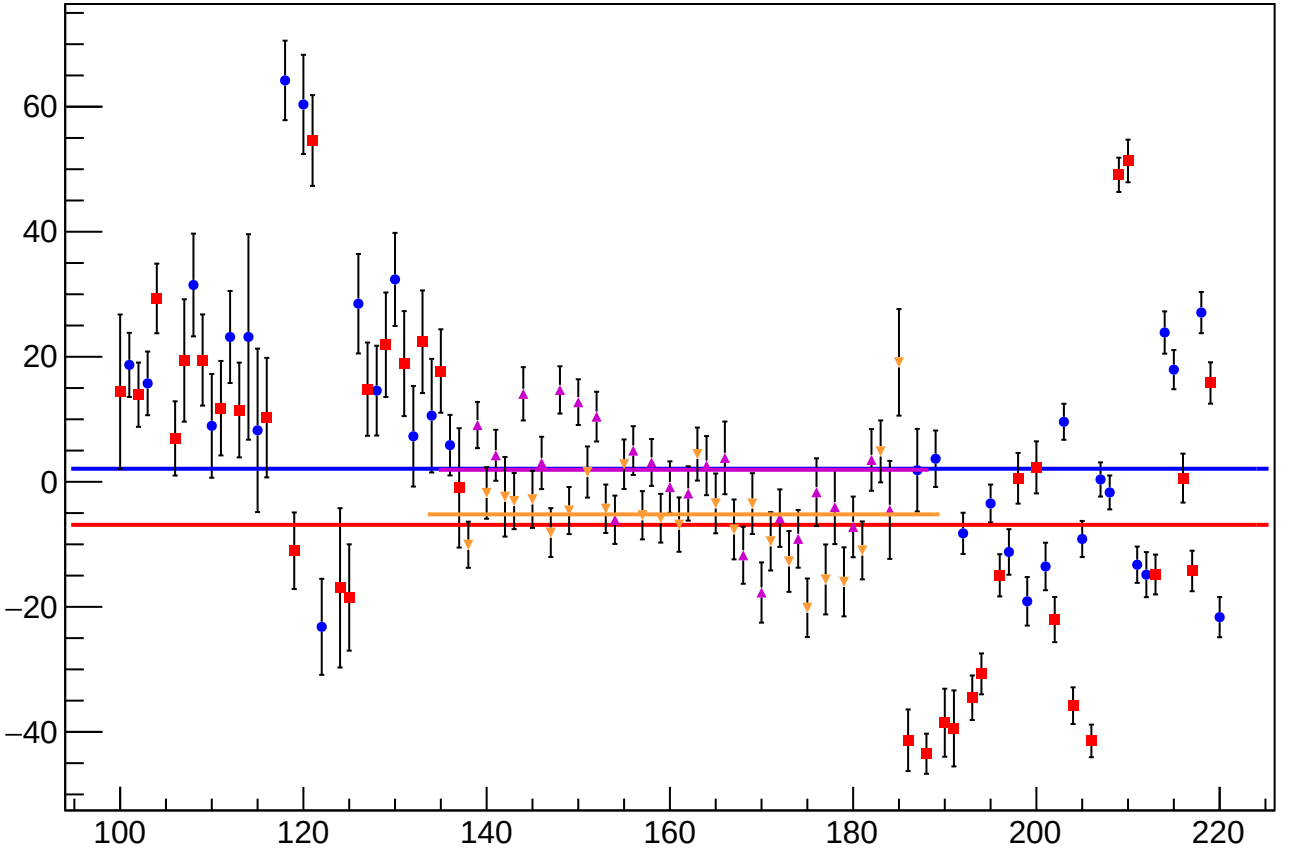
In: 45.726+/-11.998 χ^2/NDF:90.7/55

Out: -47.374+/-11.876 χ^2/NDF:117.9/61

All: -1.296+/-8.440 χ^2/NDF: 238.9/117


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
220
Right In: 66715.960+/-10.406 χ²/NDF: 663417.8/32
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 67341.614+/-10.371 χ²/NDF: 620127.4/36
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 67029.826+/-7.346 χ²/NDF: 1285358.8/69
In: 73860.244+/-8.484 χ²/NDF:2554149.8/55
Out: 74598.489+/-8.398 χ²/NDF:2524068.6/61
All: 74233.114+/-5.968 χ²/NDF: 5082043.1/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 2.092+/-0.729 χ^2/NDF: 560.9/32

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -6.882+/-0.740 χ^2/NDF: 1664.0/36

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

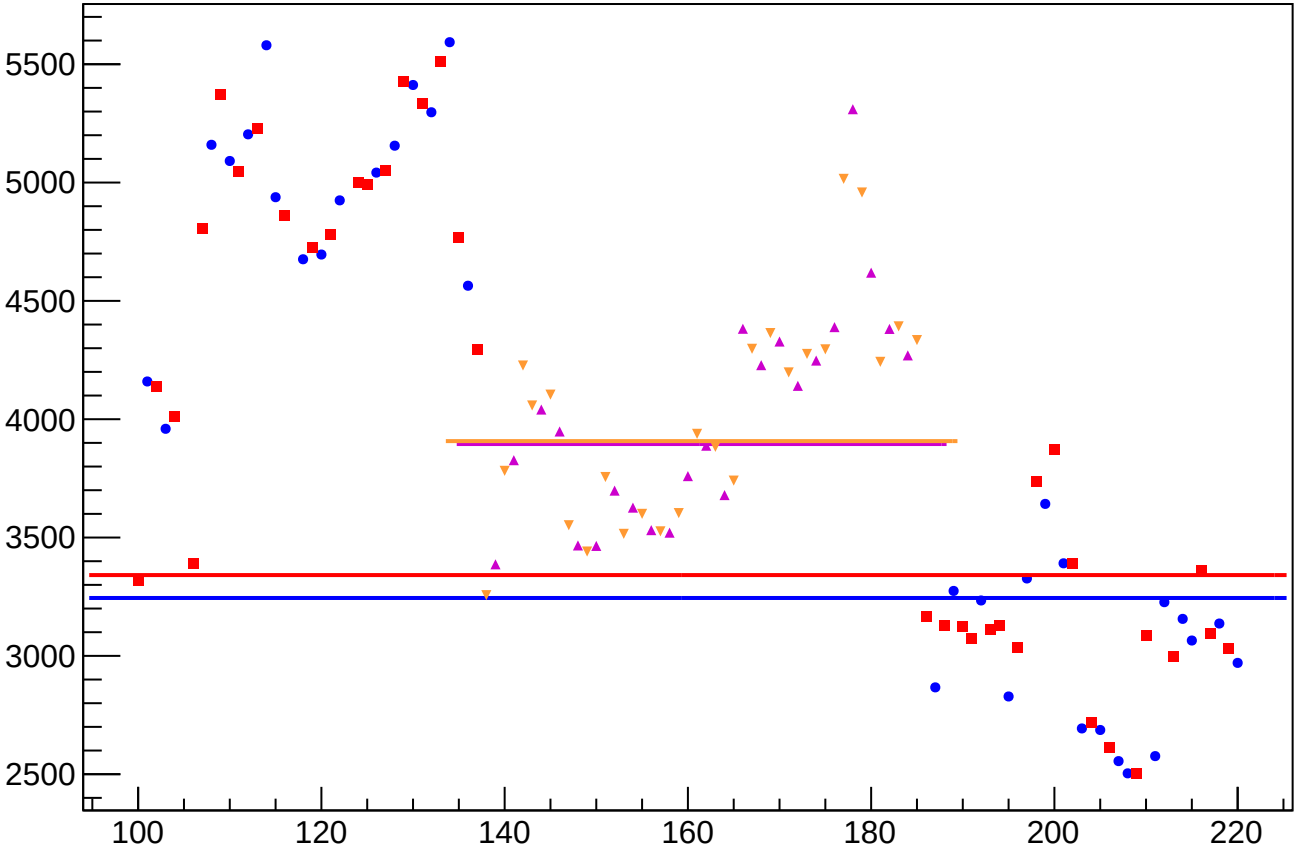
Right: -2.328+/-0.519 χ^2/NDF: 2299.6/69

In: 2.027+/-0.570 χ^2/NDF:644.1/55

Out: -6.201+/-0.570 χ^2/NDF:1717.1/61

All: -2.091+/-0.403 χ^2/NDF: 2465.4/117

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3244.627+/-0.515 χ^2/NDF: 2240413.4/32

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3341.408+/-0.523 χ^2/NDF: 2036514.1/36

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

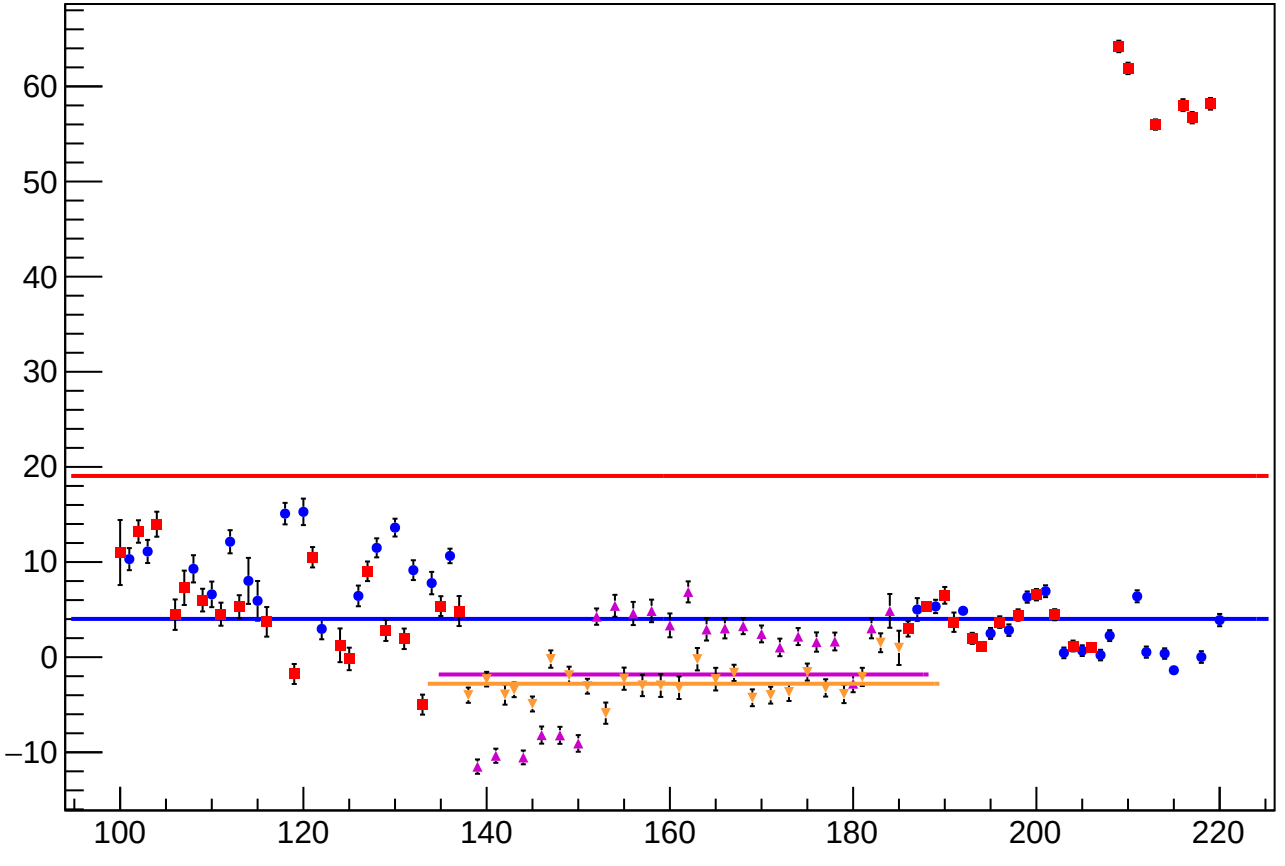
Right: 3292.295+/-0.367 χ^2/NDF: 4294305.4/69

In: 3496.627+/-0.403 χ^2/NDF:3267804.4/55

Out: 3571.462+/-0.403 χ^2/NDF:2953830.1/61

All: 3534.075+/-0.285 χ^2/NDF: 6238867.0/11

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 4.022+/-0.129 χ^2/NDF: 991.8/32

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 19.050+/-0.128 χ^2/NDF: 38134.9/36

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

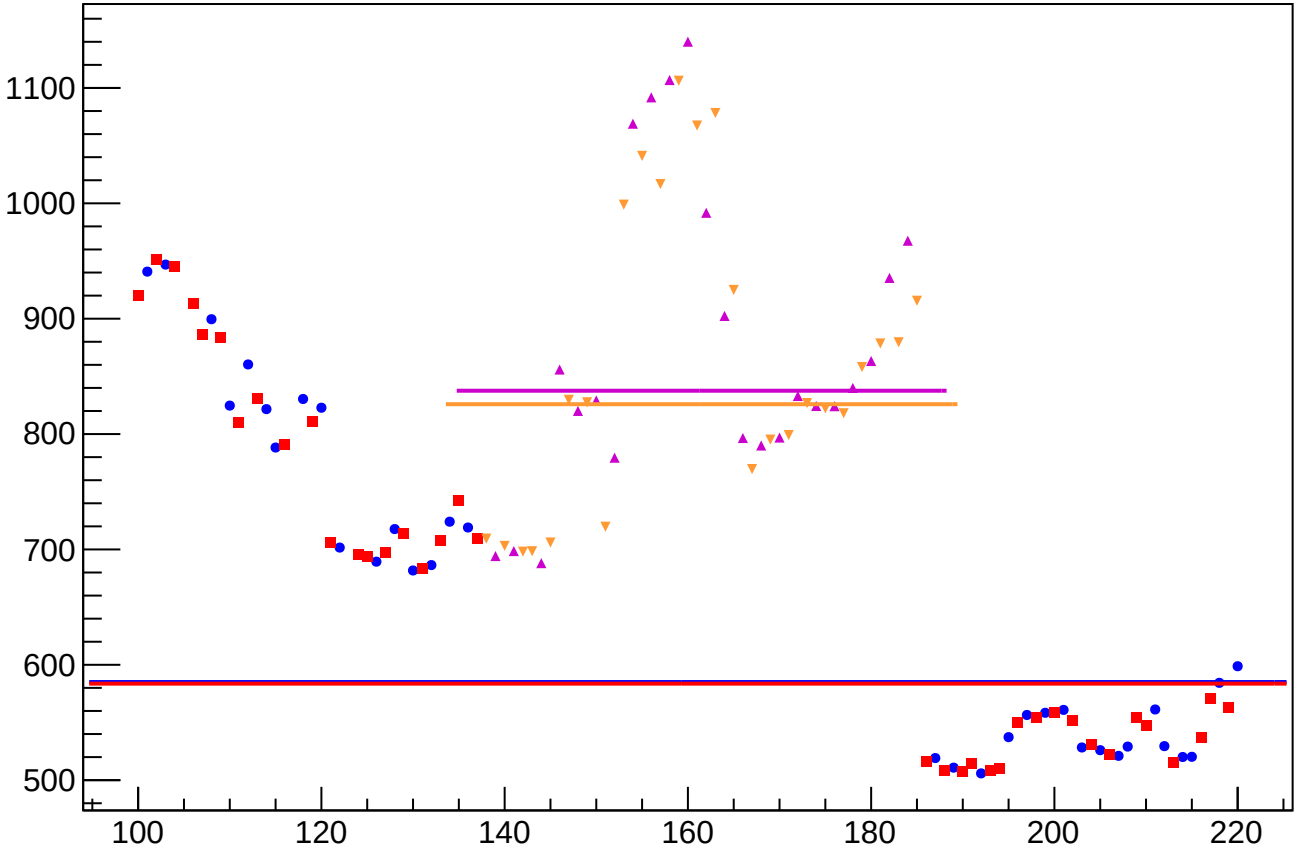
Right: 11.635+/-0.091 χ^2/NDF: 45952.8/69

In: 2.274+/-0.108 χ^2/NDF:2626.9/55

Out: 12.252+/-0.106 χ^2/NDF:47299.1/61

All: 7.372+/-0.076 χ^2/NDF: 54255.8/117

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 585.057+/-0.092 χ^2/NDF: 1292782.2/32

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 583.691+/-0.090 χ^2/NDF: 1400539.1/36

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

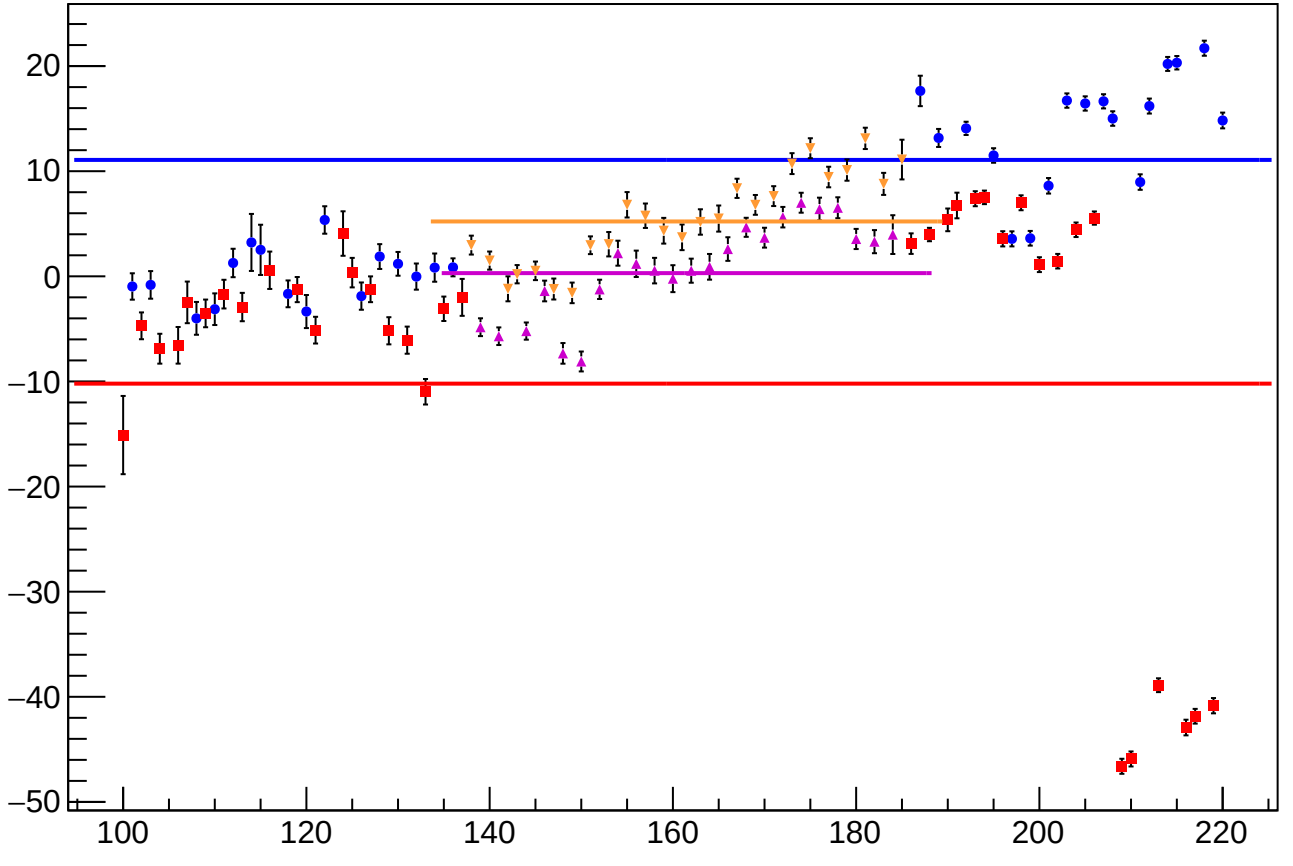
Right: 584.365+/-0.064 χ^2/NDF: 2693434.1/69

In: 660.590+/-0.077 χ^2/NDF:4282917.2/55

Out: 659.072+/-0.075 χ^2/NDF:4402167.7/61

All: 659.814+/-0.054 χ^2/NDF: 8685285.5/117

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 11.074+/-0.154 χ^2/NDF: 2365.5/32

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -10.209+/-0.152 χ^2/NDF: 18232.5/36

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

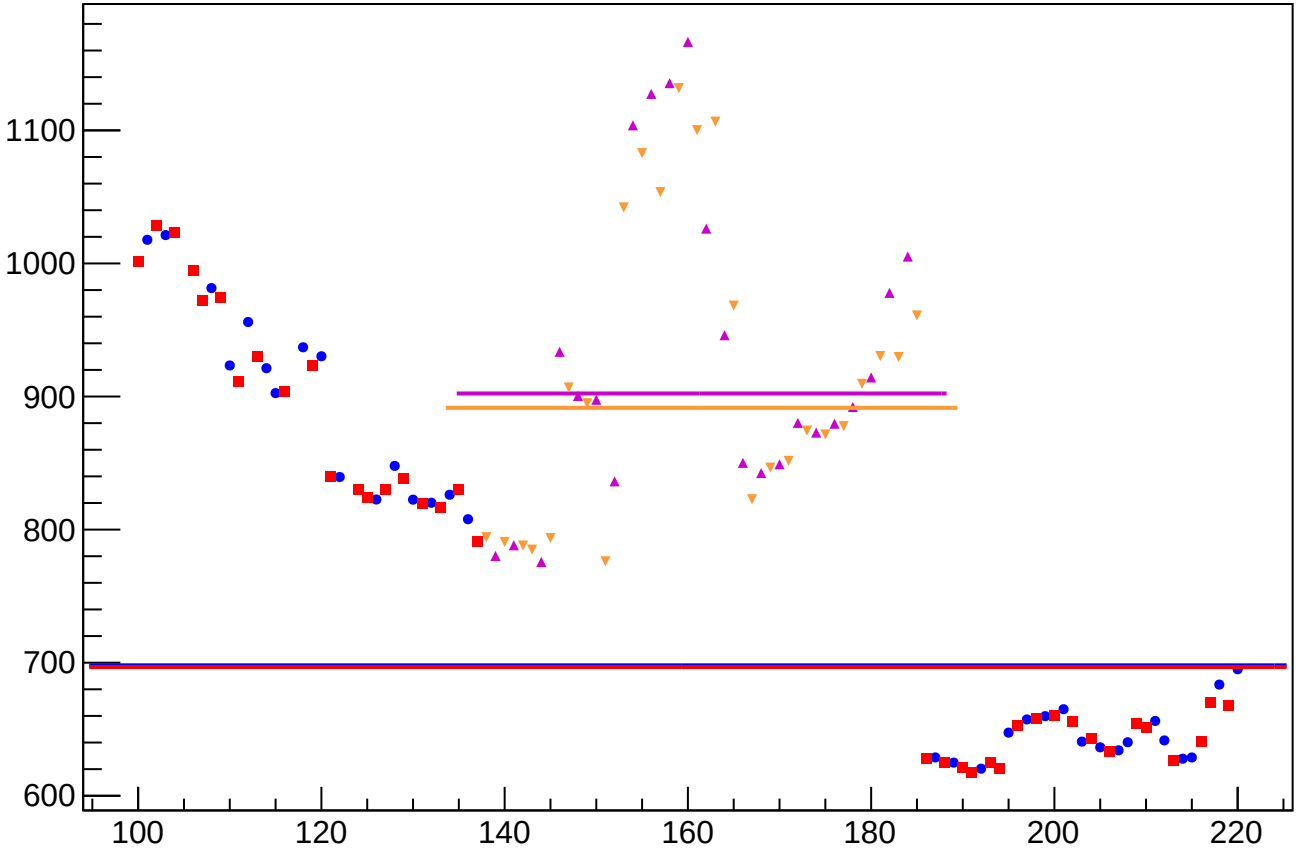
Right: 0.295+/-0.108 χ^2/NDF: 30291.4/69

In: 7.374+/-0.125 χ^2/NDF:4544.3/55

Out: -4.721+/-0.122 χ^2/NDF:22354.1/61

All: 1.192+/-0.087 χ^2/NDF: 31711.1/117

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 698.019+/-0.109 χ^2/NDF: 949627.5/32

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 696.708+/-0.107 χ^2/NDF: 1031488.8/36

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

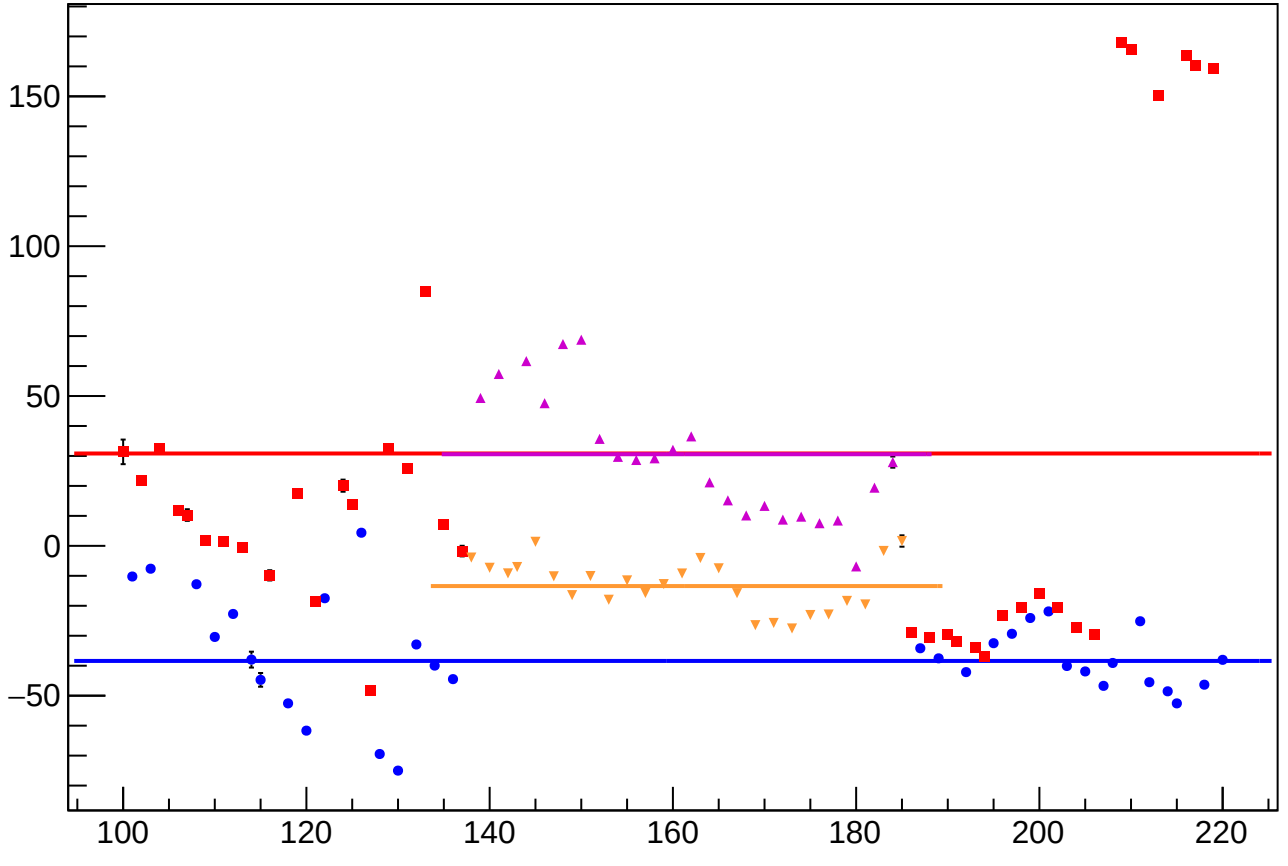
Right: 697.355+/-0.076 χ^2/NDF: 1981189.8/69

In: 768.191+/-0.088 χ^2/NDF:2646012.0/55

Out: 766.003+/-0.086 χ^2/NDF:2719732.2/61

All: 767.073+/-0.062 χ^2/NDF: 5366059.3/117

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -38.405+/-0.152 χ^2/NDF: 7825.2/32

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 30.821+/-0.150 χ^2/NDF: 286922.4/36

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

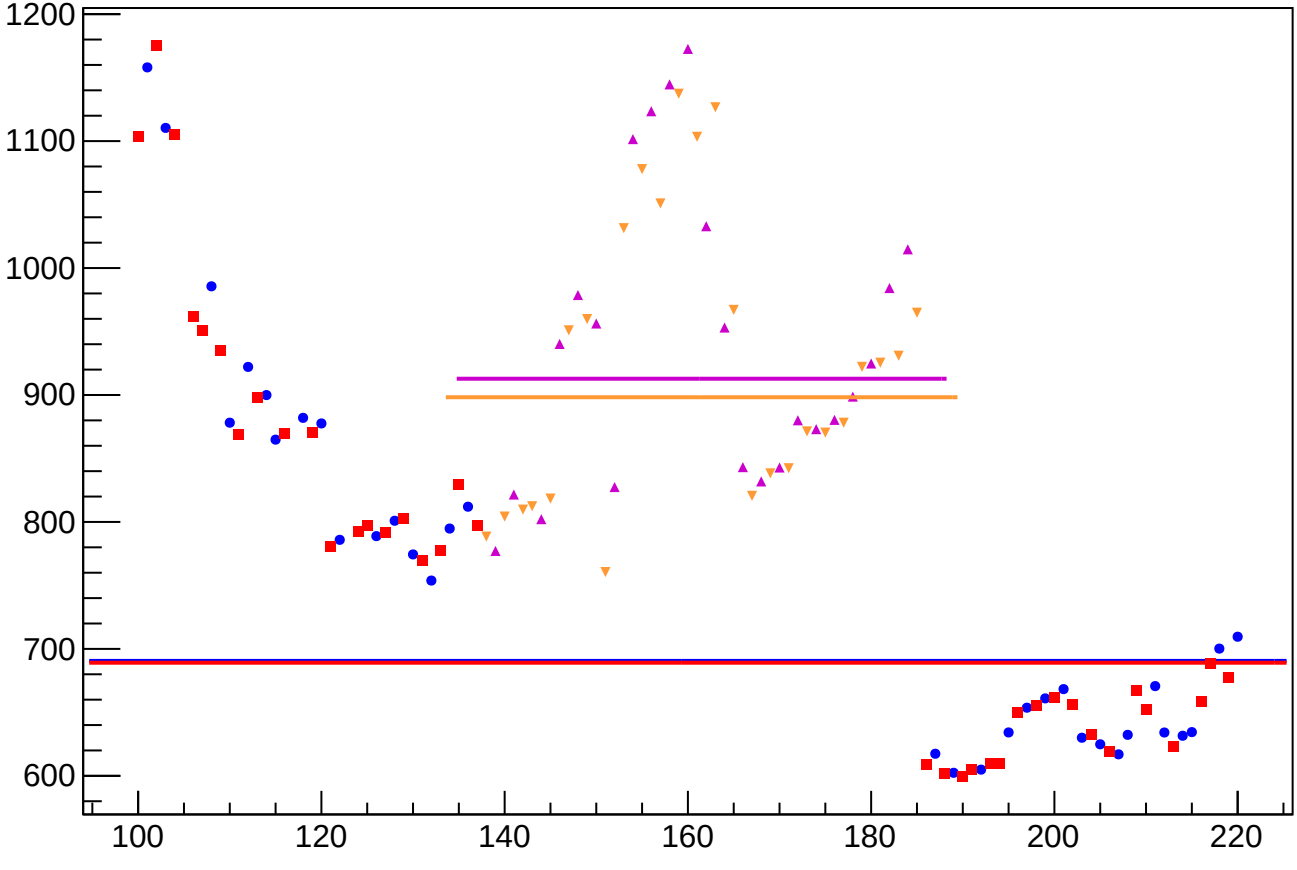
Right: -3.336+/-0.107 χ^2/NDF: 399509.3/69

In: -15.397+/-0.124 χ^2/NDF:86694.3/55

Out: 15.456+/-0.121 χ^2/NDF:318703.4/61

All: 0.393+/-0.087 χ^2/NDF: 436943.7/117

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 690.536+/-0.108 χ^2/NDF: 990900.9/32

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 689.113+/-0.106 χ^2/NDF: 1063574.1/36

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

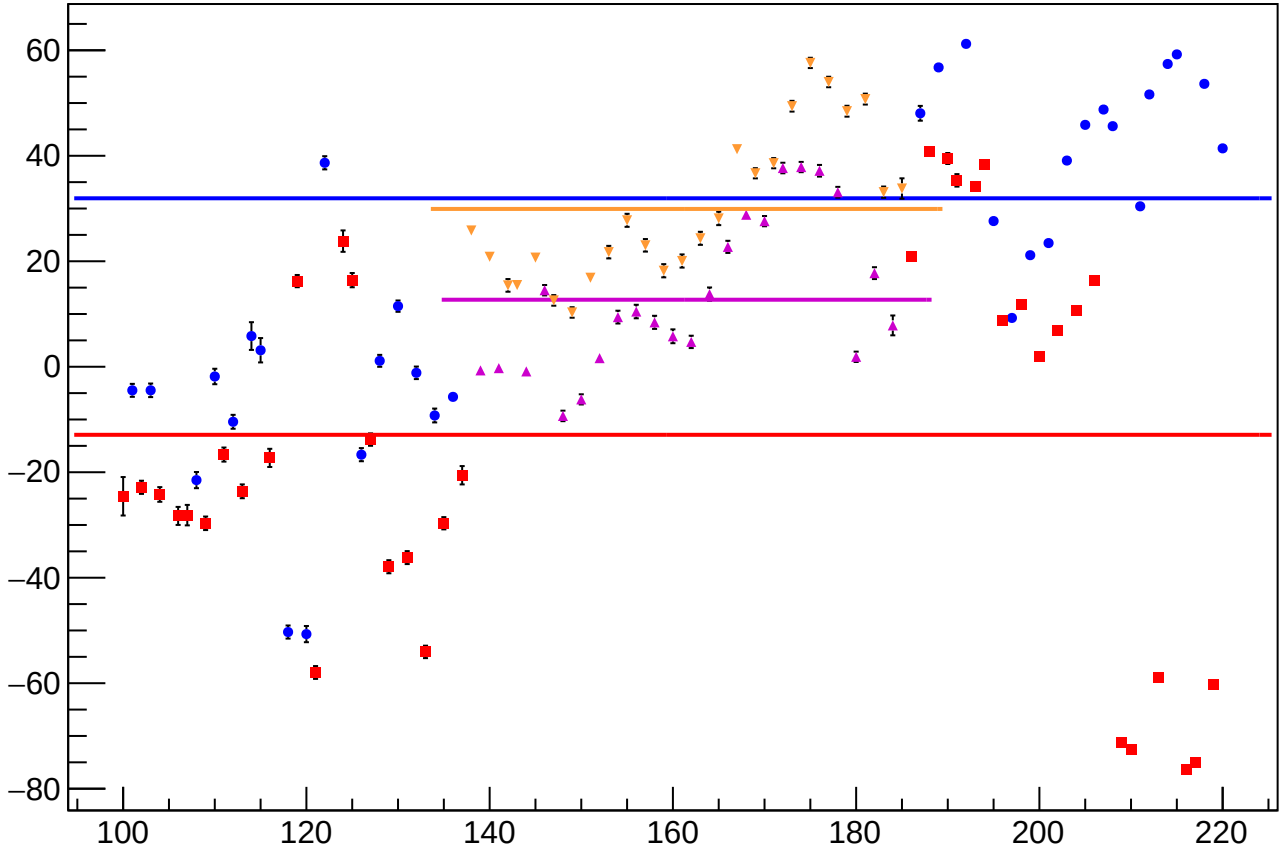
Right: 689.815+/-0.076 χ^2/NDF: 2054563.5/69

In: 764.679+/-0.088 χ^2/NDF:2893311.0/55

Out: 761.739+/-0.086 χ^2/NDF:2927713.9/61

All: 763.174+/-0.061 χ^2/NDF: 5821597.7/117

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 31.940+/-0.150 χ^2/NDF: 30102.5/32

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -12.904+/-0.148 χ^2/NDF: 76642.5/36

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

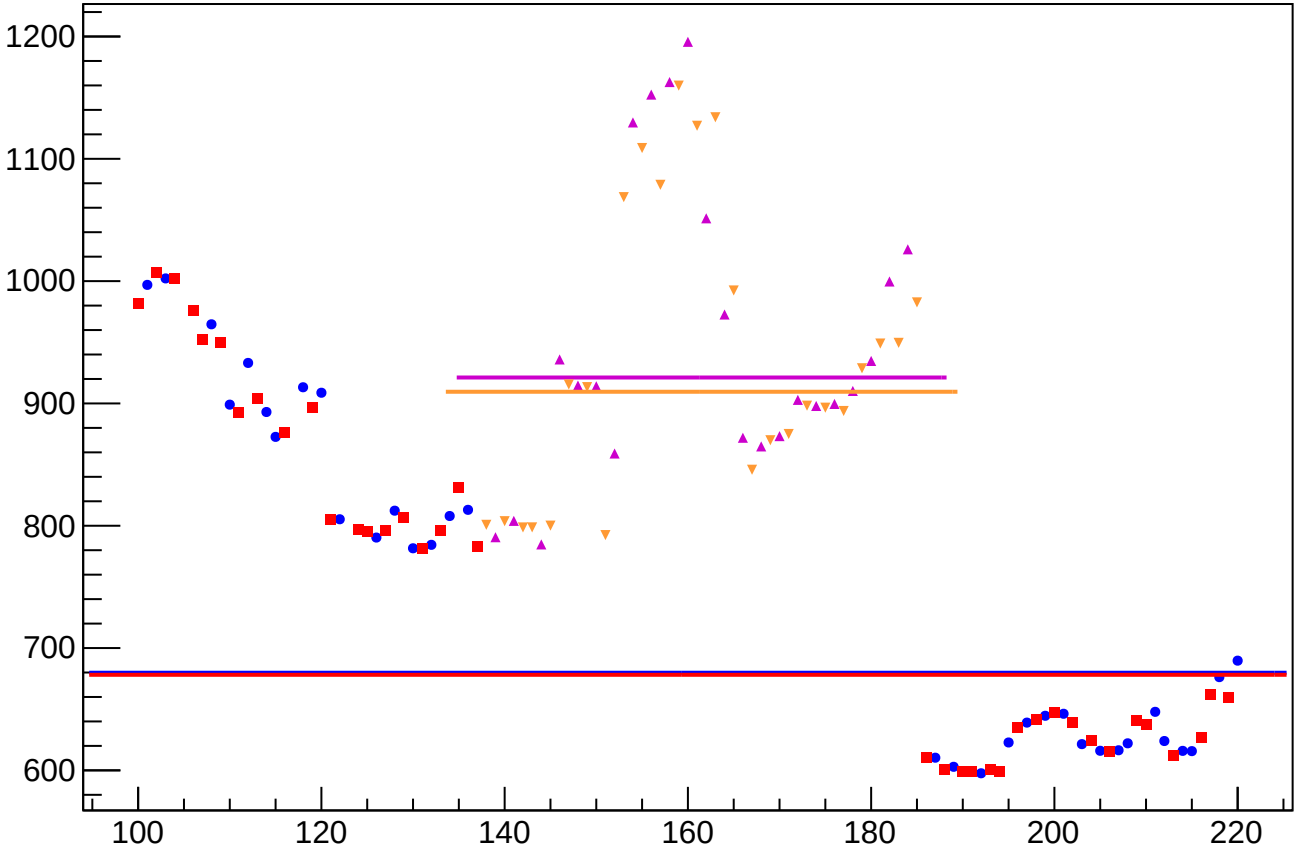
Right: 9.215+/-0.105 χ^2/NDF: 152149.3/69

In: 25.737+/-0.123 χ^2/NDF:40208.5/55

Out: 1.414+/-0.121 χ^2/NDF:109291.5/61

All: 13.304+/-0.086 χ^2/NDF: 169388.0/117

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 679.820+/-0.106 χ^2/NDF: 966194.6/32

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 678.138+/-0.105 χ^2/NDF: 1044538.2/36

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

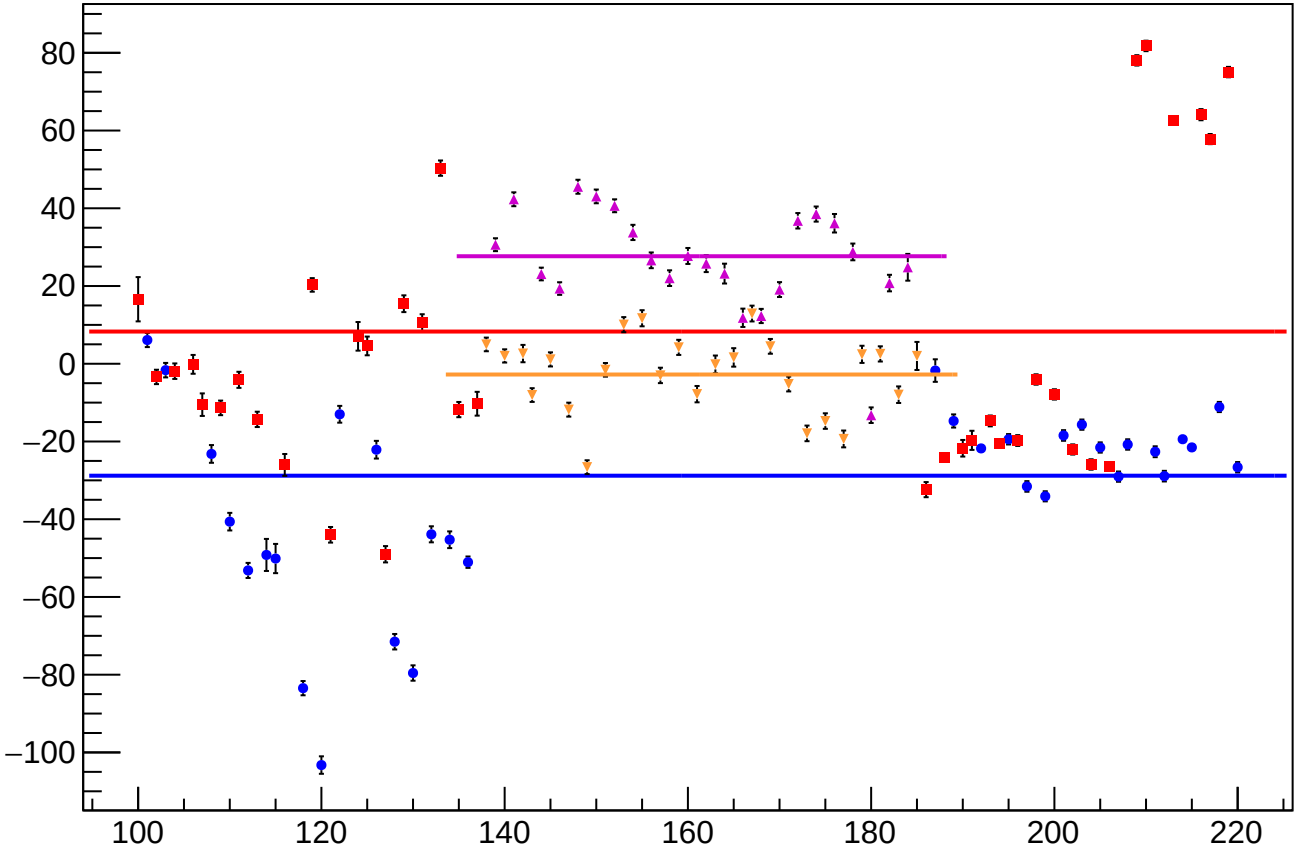
Right: 678.967+/-0.074 χ^2/NDF: 2010860.5/69

In: 757.671+/-0.087 χ^2/NDF:3138055.3/55

Out: 755.504+/-0.085 χ^2/NDF:3225415.0/61

All: 756.563+/-0.061 χ^2/NDF: 6363785.8/117

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -28.801+/-0.280 χ^2/NDF: 5106.7/32

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 8.286+/-0.277 χ^2/NDF: 20328.9/36

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

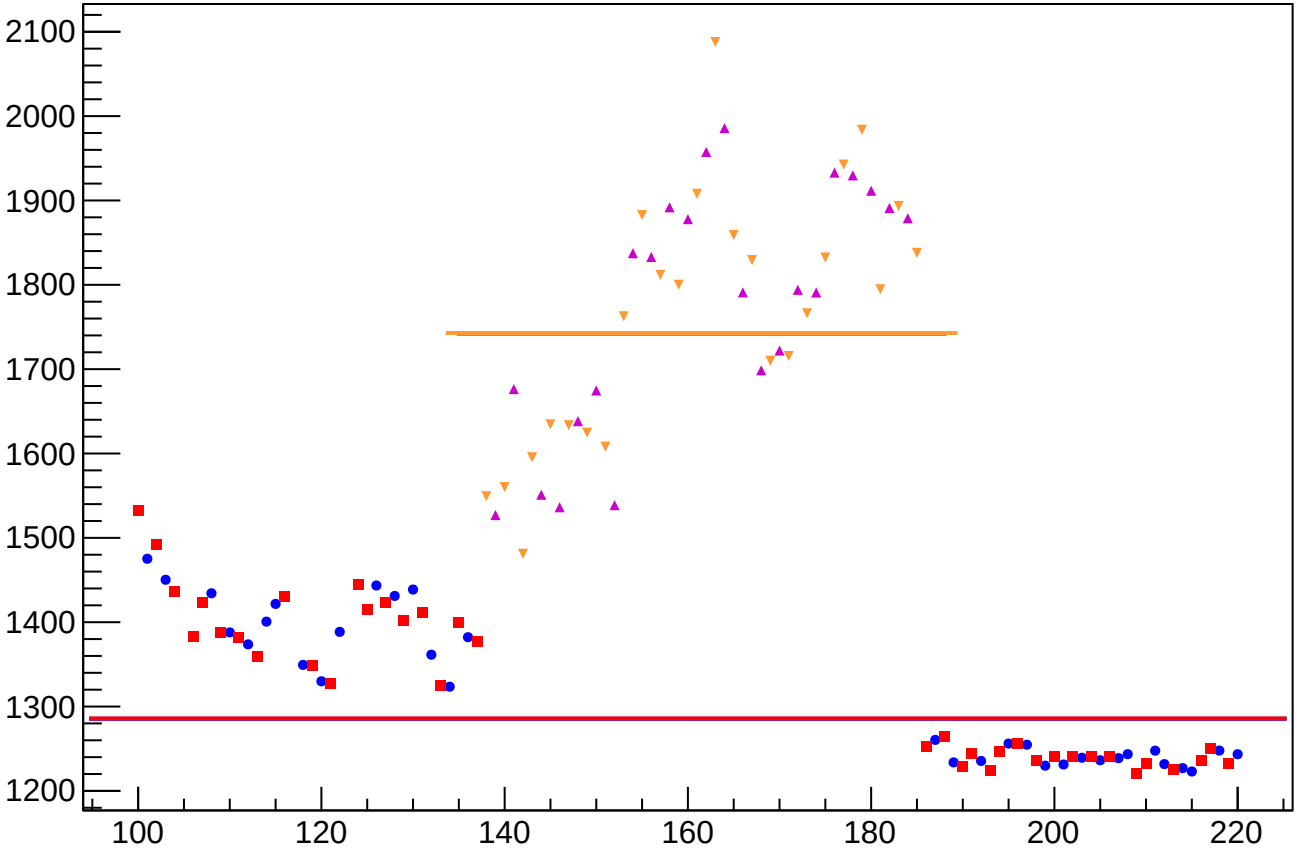
Right: -10.050+/-0.197 χ^2/NDF: 34276.5/69

In: -10.725+/-0.231 χ^2/NDF:19071.7/55

Out: 4.666+/-0.227 χ^2/NDF:21465.3/61

All: -2.902+/-0.162 χ^2/NDF: 42788.6/117

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1285.518+/-0.198 χ^2/NDF: 151329.9/32

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1285.847+/-0.196 χ^2/NDF: 150609.1/36

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

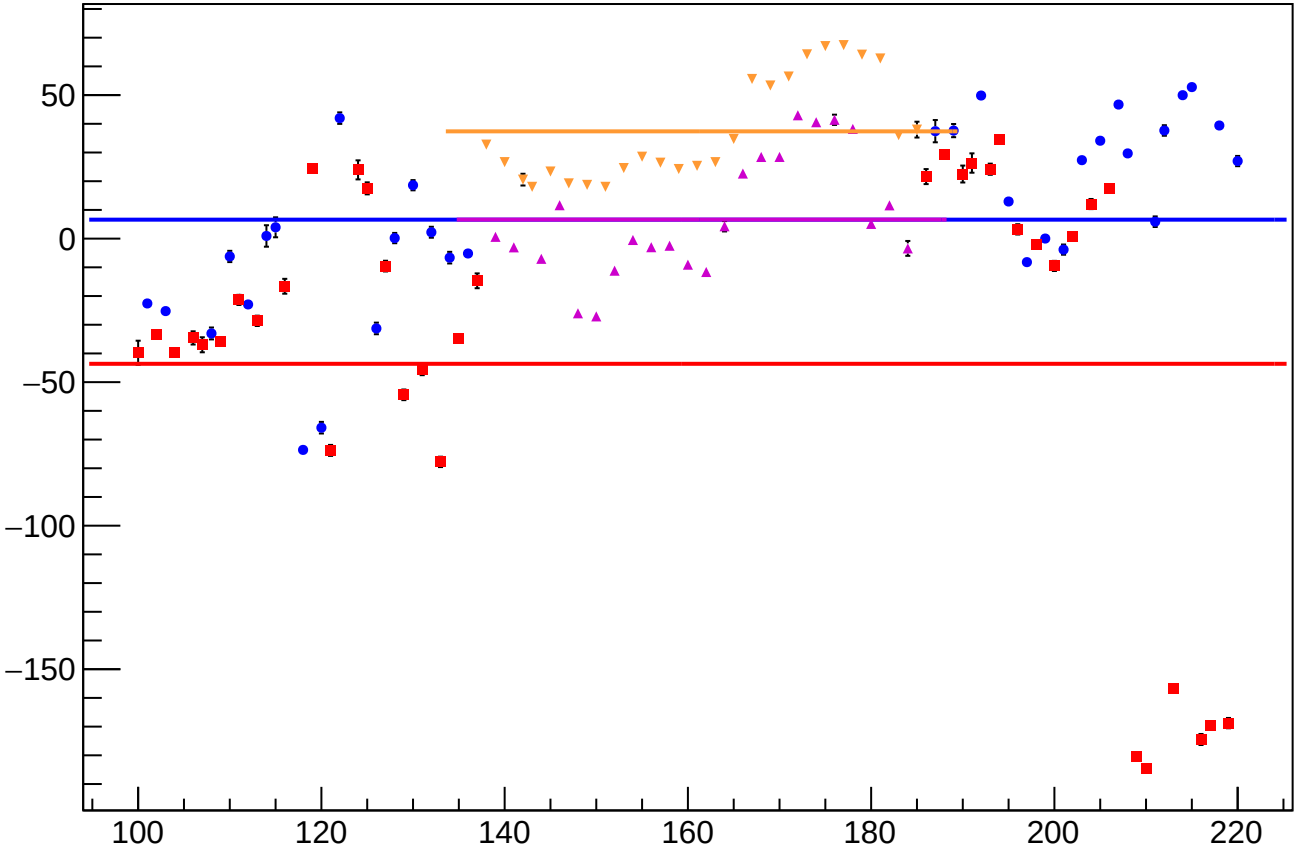
Right: 1285.684+/-0.139 χ^2/NDF: 301940.3/69

In: 1431.701+/-0.164 χ^2/NDF:2110118.2/55

Out: 1435.523+/-0.161 χ^2/NDF:2192226.0/61

All: 1433.644+/-0.115 χ^2/NDF: 4302621.8/11

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: 6.605+/-0.316 χ^2/NDF: 10178.7/32

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -43.611+/-0.311 χ^2/NDF: 49056.0/36

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

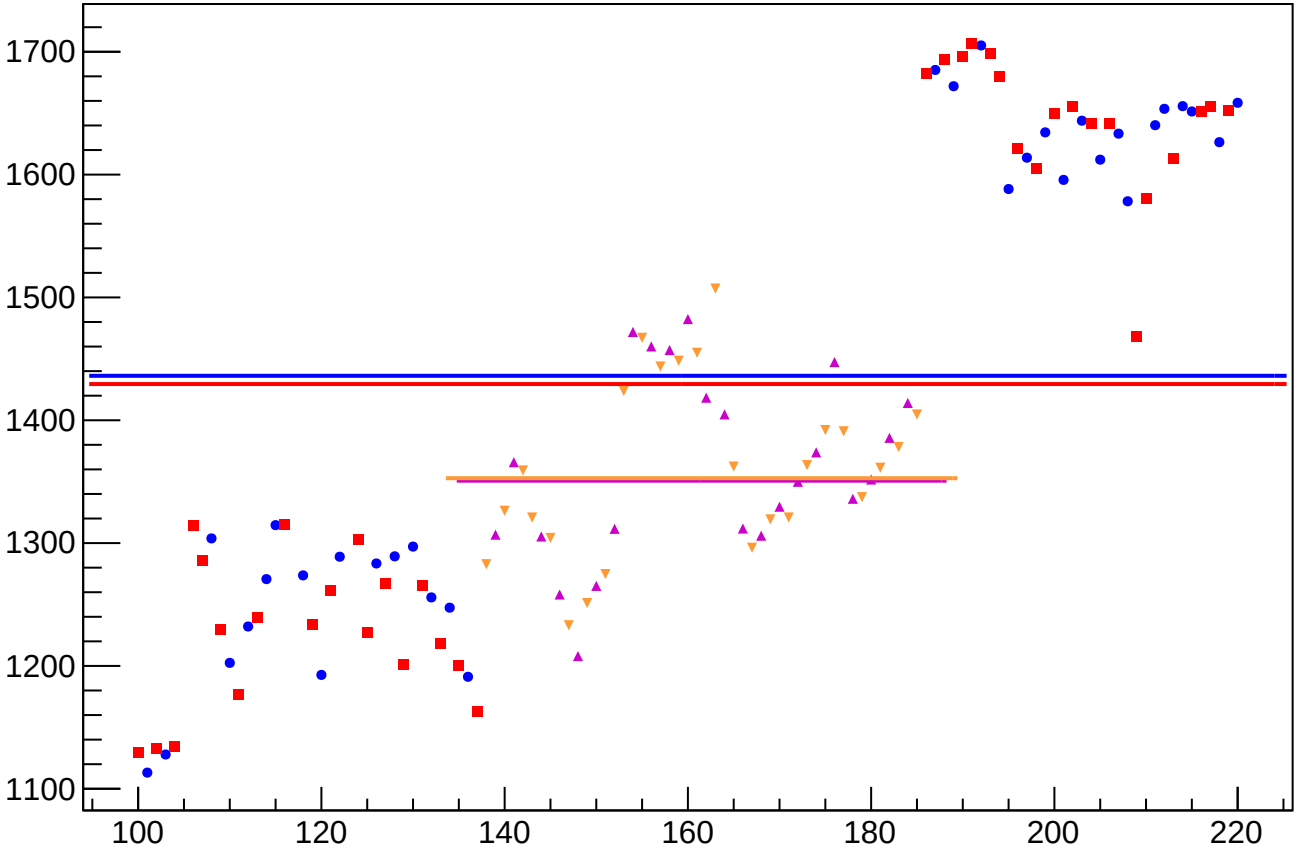
Right: -18.896+/-0.222 χ^2/NDF: 72036.7/69

In: 6.618+/-0.224 χ^2/NDF:14589.1/55

Out: -2.665+/-0.219 χ^2/NDF:86655.6/61

All: 1.879+/-0.156 χ^2/NDF: 102124.8/117

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1436.198+/-0.224 χ^2/NDF: 893824.8/32

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1429.482+/-0.220 χ^2/NDF: 965508.0/36

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

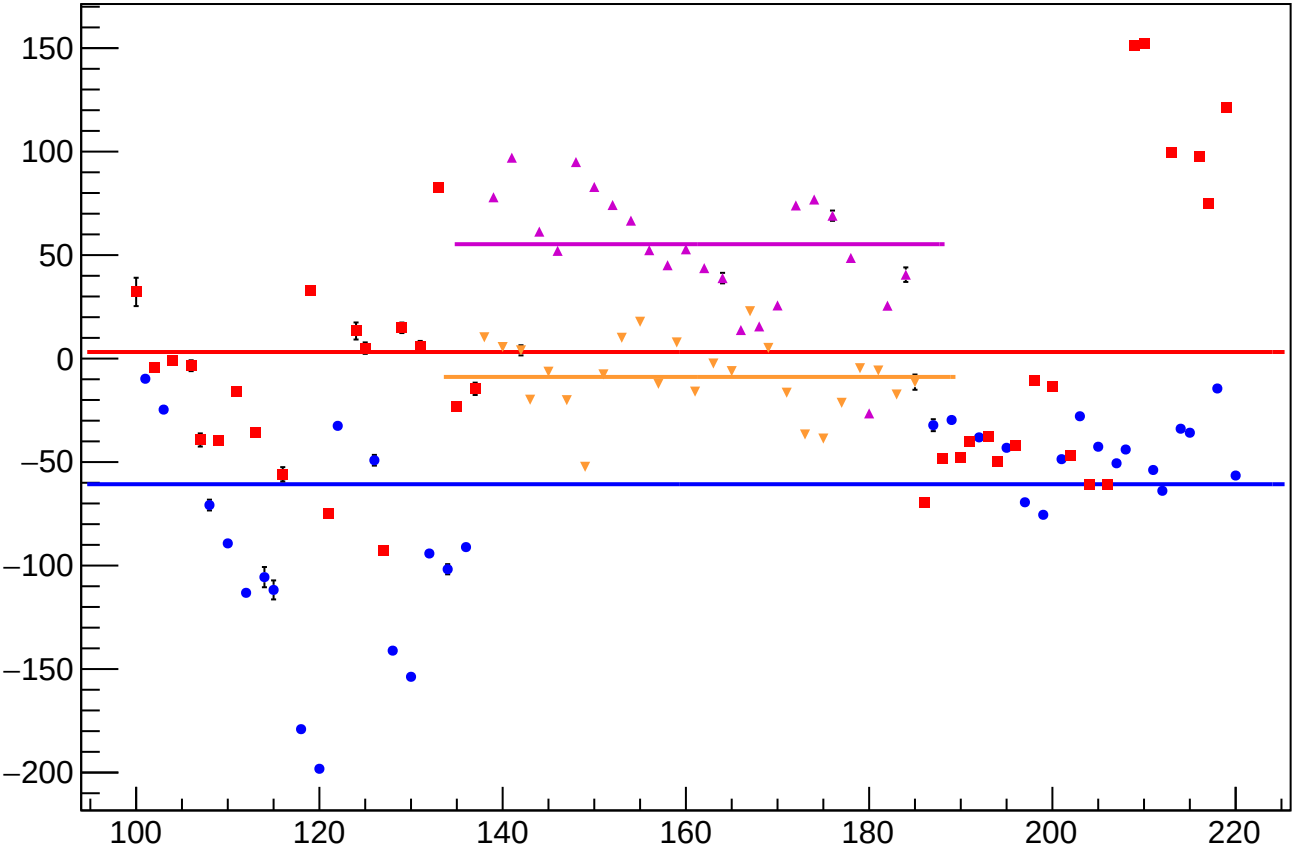
Right: 1432.787+/-0.157 χ^2/NDF: 1859790.9/69

In: 1393.487+/-0.158 χ^2/NDF:1075345.5/55

Out: 1390.719+/-0.155 χ^2/NDF:1131661.3/61

All: 1392.074+/-0.111 χ^2/NDF: 2207163.4/11

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -60.698+/-0.317 χ^2/NDF: 15702.7/32

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 3.178+/-0.310 χ^2/NDF: 50722.2/36

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

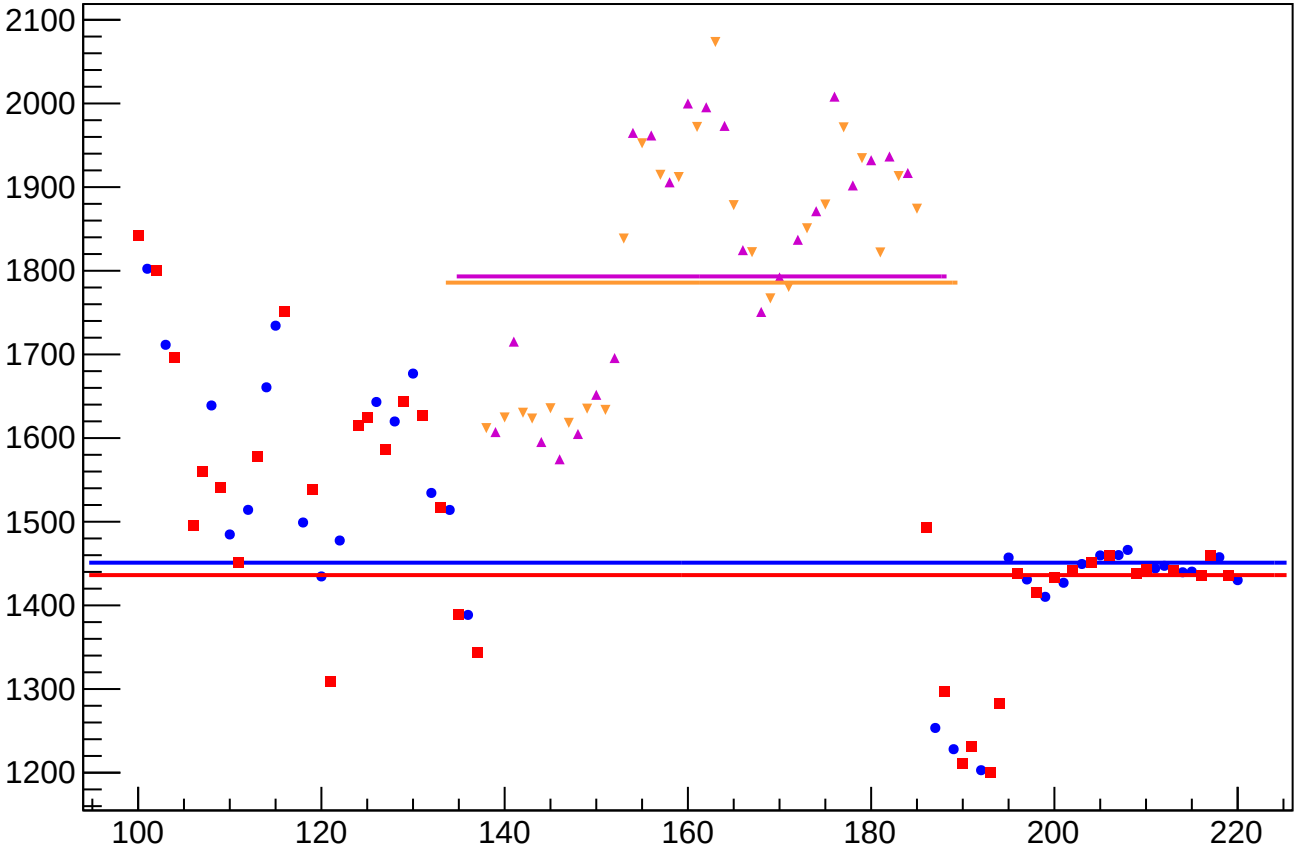
Right: -28.081+/-0.222 χ^2/NDF: 87142.5/69

In: -18.653+/-0.253 χ^2/NDF:68922.4/55

Out: -1.247+/-0.247 χ^2/NDF:53228.1/61

All: -9.730+/-0.177 χ^2/NDF: 124573.3/117

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1451.036+/-0.224 χ^2/NDF: 282459.2/32

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1436.196+/-0.220 χ^2/NDF: 331455.5/36

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

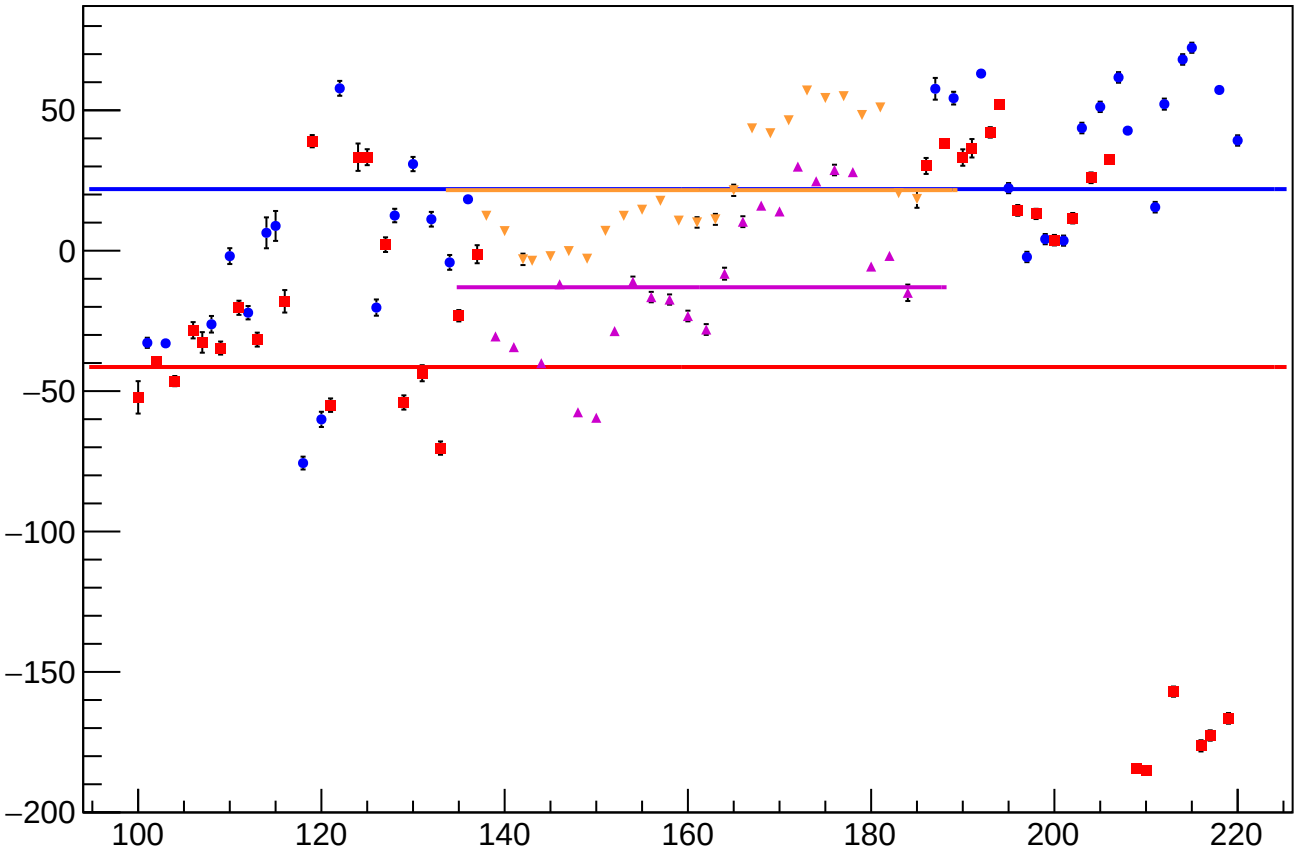
Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

Right: 1443.458+/-0.157 χ^2/NDF: 616151.2/69

In: 1575.112+/-0.179 χ^2/NDF:1379685.0/55

Out: 1564.730+/-0.175 χ^2/NDF:1501274.1/61

All: 1569.790+/-0.125 χ^2/NDF: 2882683.3/11



Right In: 21.933+/-0.366 χ^2/NDF: 10211.3/32

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -41.421+/-0.358 χ^2/NDF: 51603.4/36

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

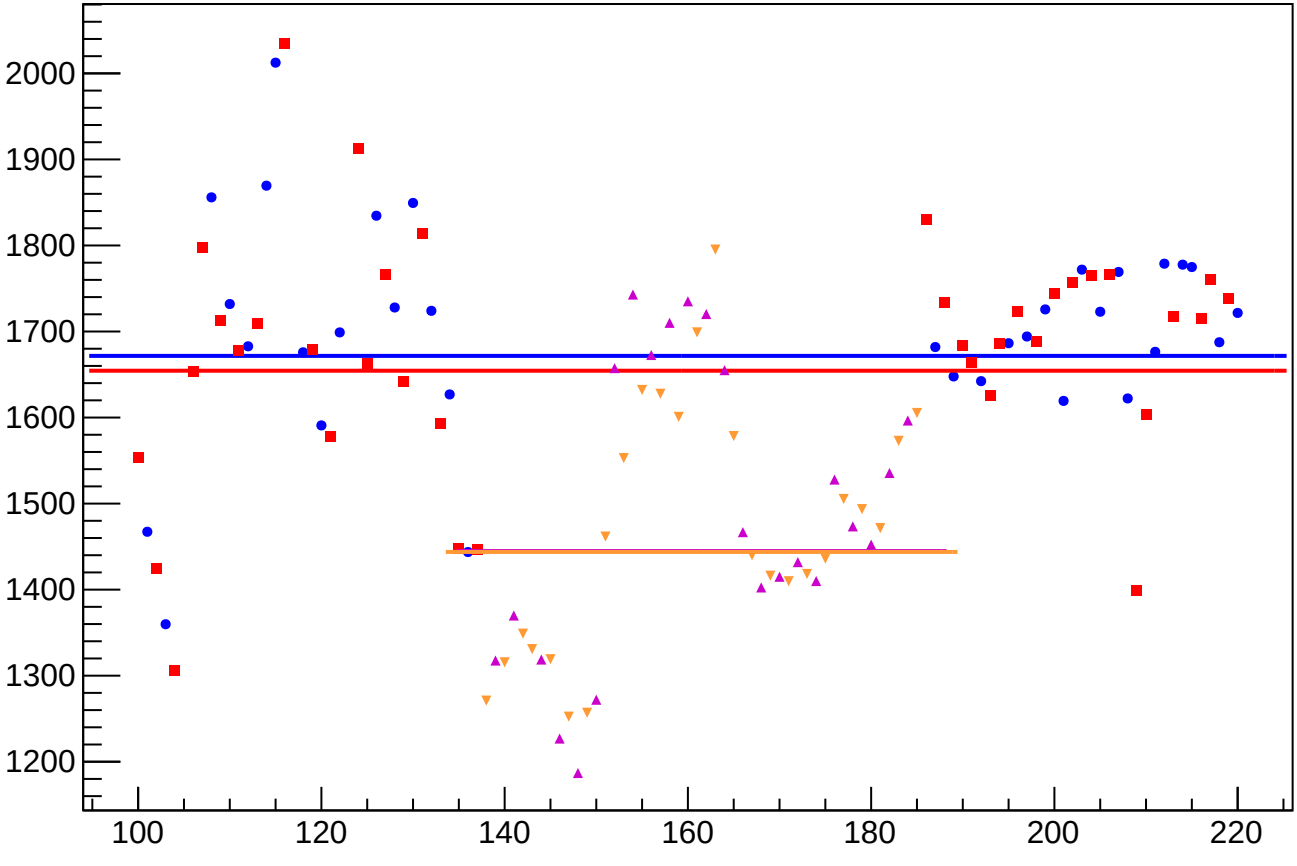
Right: -10.420+/-0.256 χ^2/NDF: 77154.1/69

In: 3.198+/-0.249 χ^2/NDF:21738.4/55

Out: -7.375+/-0.243 χ^2/NDF:72512.6/61

All: -2.227+/-0.174 χ^2/NDF: 95176.3/117

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1671.673+/-0.258 χ^2/NDF: 212743.9/32

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1654.432+/-0.253 χ^2/NDF: 295176.4/36

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

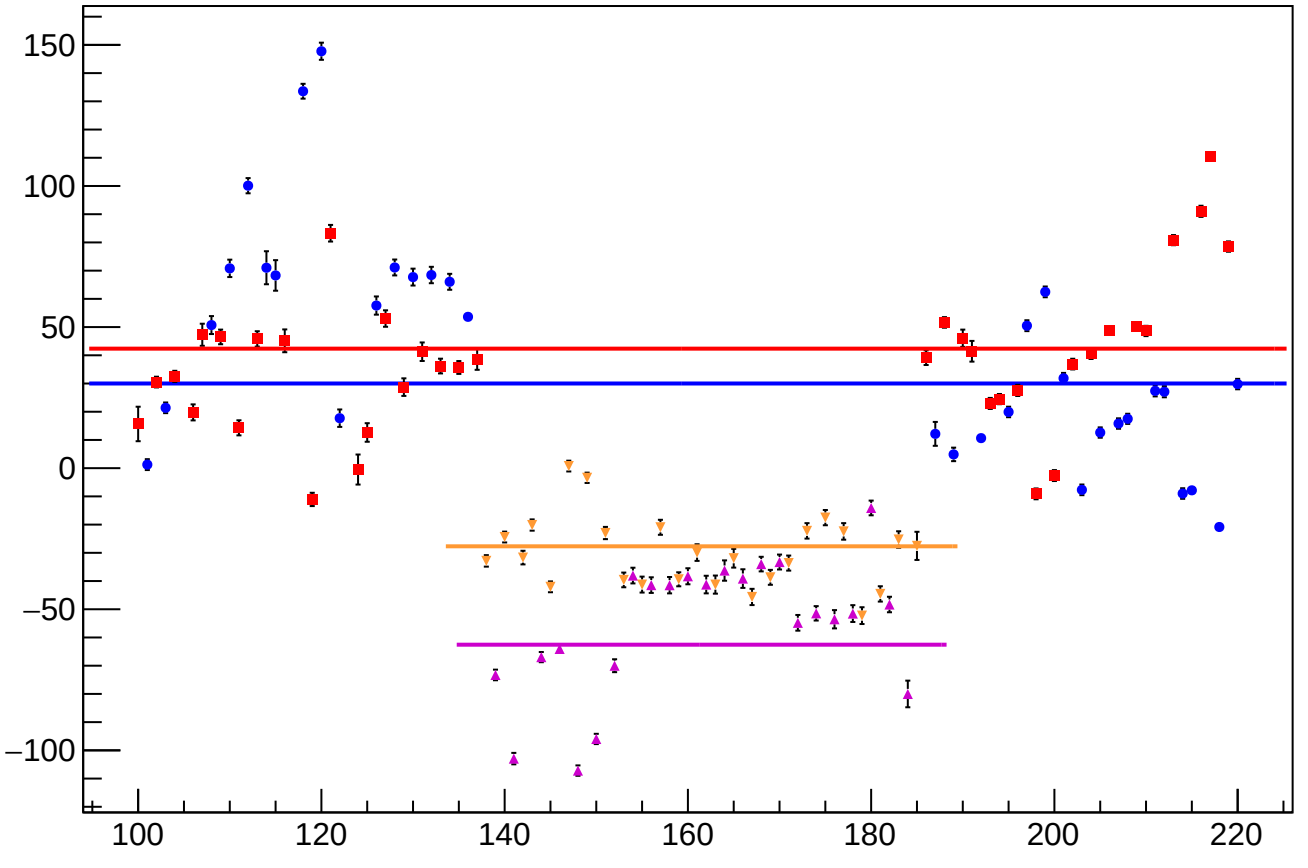
Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

Right: 1662.868+/-0.181 χ^2/NDF: 510192.3/69

In: 1550.052+/-0.176 χ^2/NDF:1110929.0/55

Out: 1540.596+/-0.172 χ^2/NDF:1022053.8/61

All: 1545.201+/-0.123 χ^2/NDF: 2134463.1/11



Right In: 30.008+/-0.385 χ^2/NDF: 8239.2/32

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 42.357+/-0.376 χ^2/NDF: 5650.1/36

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

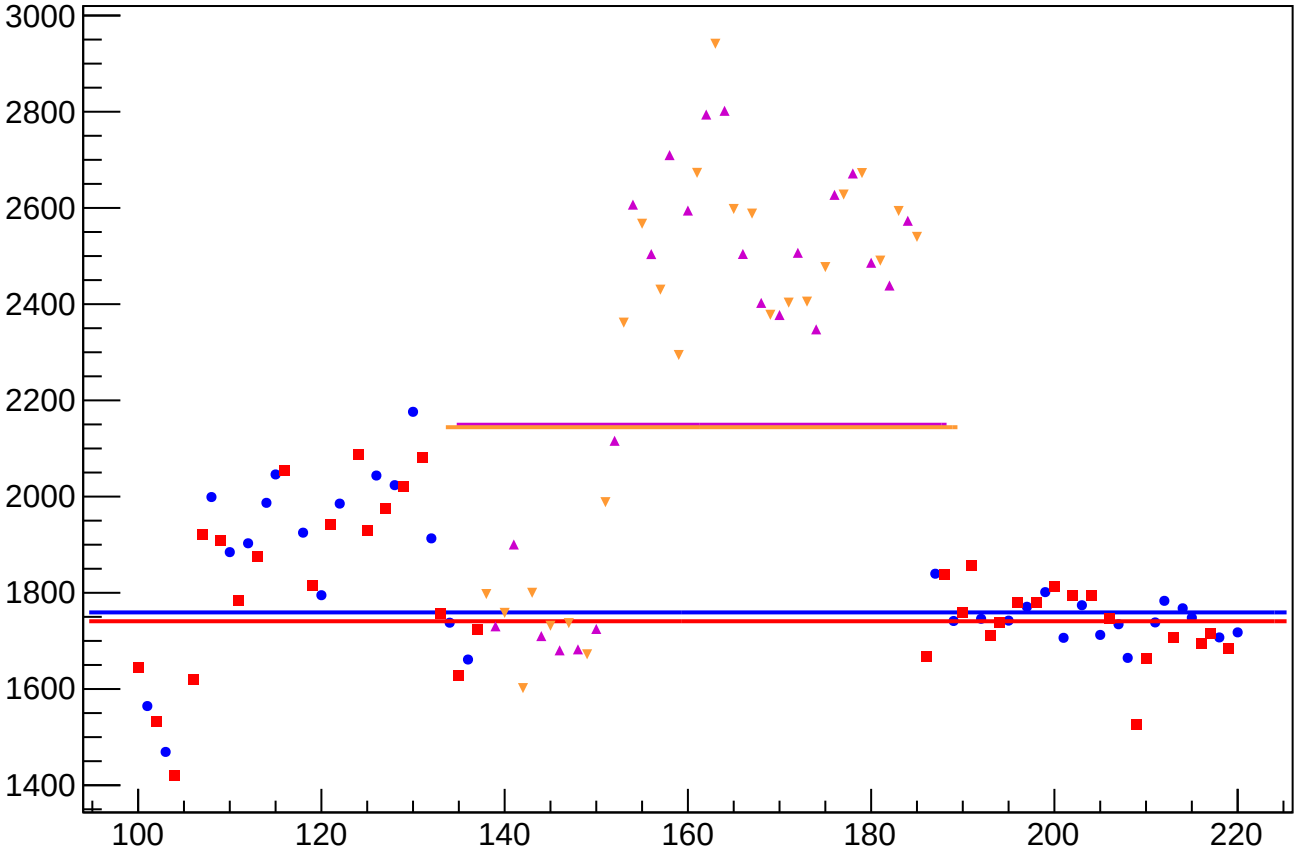
Right: 36.318+/-0.269 χ^2/NDF: 14416.3/69

In: -3.392+/-0.307 χ^2/NDF:31609.7/55

Out: 16.780+/-0.300 χ^2/NDF:19077.6/61

All: 6.949+/-0.215 χ^2/NDF: 52894.9/117

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1759.268+/-0.272 χ^2/NDF: 213652.8/32

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1740.870+/-0.266 χ^2/NDF: 250593.0/36

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

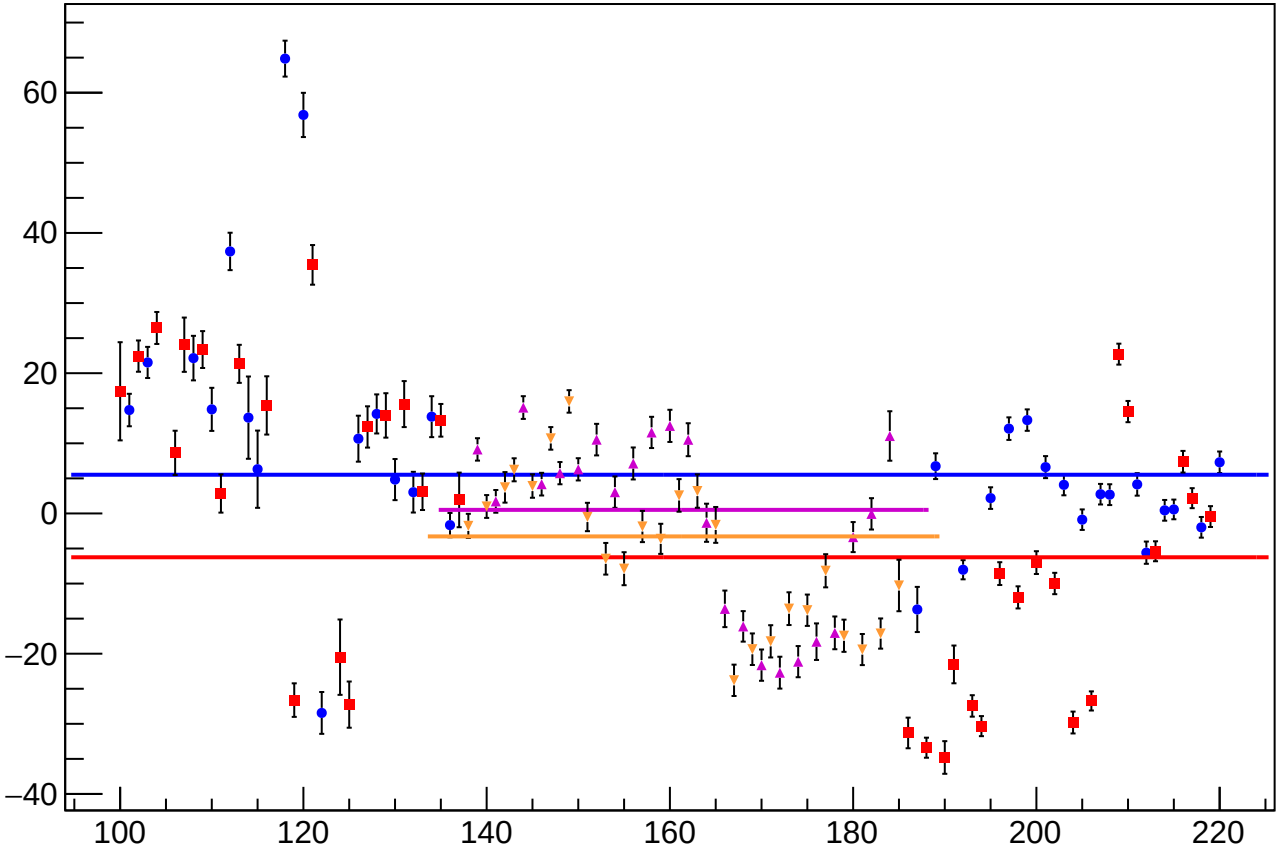
Right: 1749.867+/-0.190 χ^2/NDF: 466585.5/69

In: 1900.022+/-0.217 χ^2/NDF:2222147.3/55

Out: 1888.145+/-0.212 χ^2/NDF:2370032.7/61

All: 1893.933+/-0.152 χ^2/NDF: 4593710.5/11

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 5.519+/-0.331 χ^2/NDF: 1528.8/32

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -6.250+/-0.326 χ^2/NDF: 3602.7/36

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

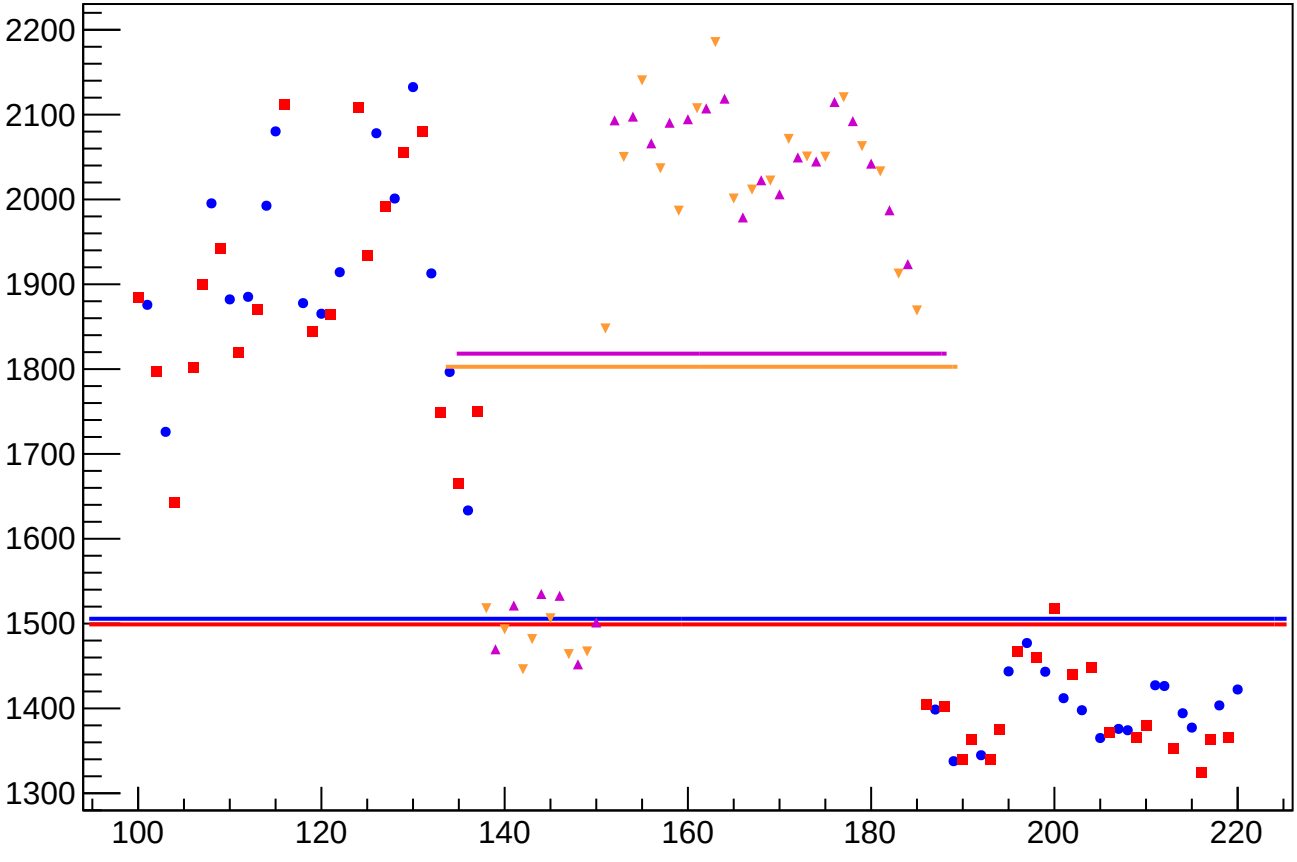
Right: -0.459+/-0.232 χ^2/NDF: 5772.4/69

In: 3.652+/-0.262 χ^2/NDF:2359.8/55

Out: -5.113+/-0.256 χ^2/NDF:4305.6/61

All: -0.833+/-0.183 χ^2/NDF: 7236.4/117

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1505.687+/-0.234 χ^2/NDF: 790472.9/32

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1499.042+/-0.231 χ^2/NDF: 806635.7/36

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

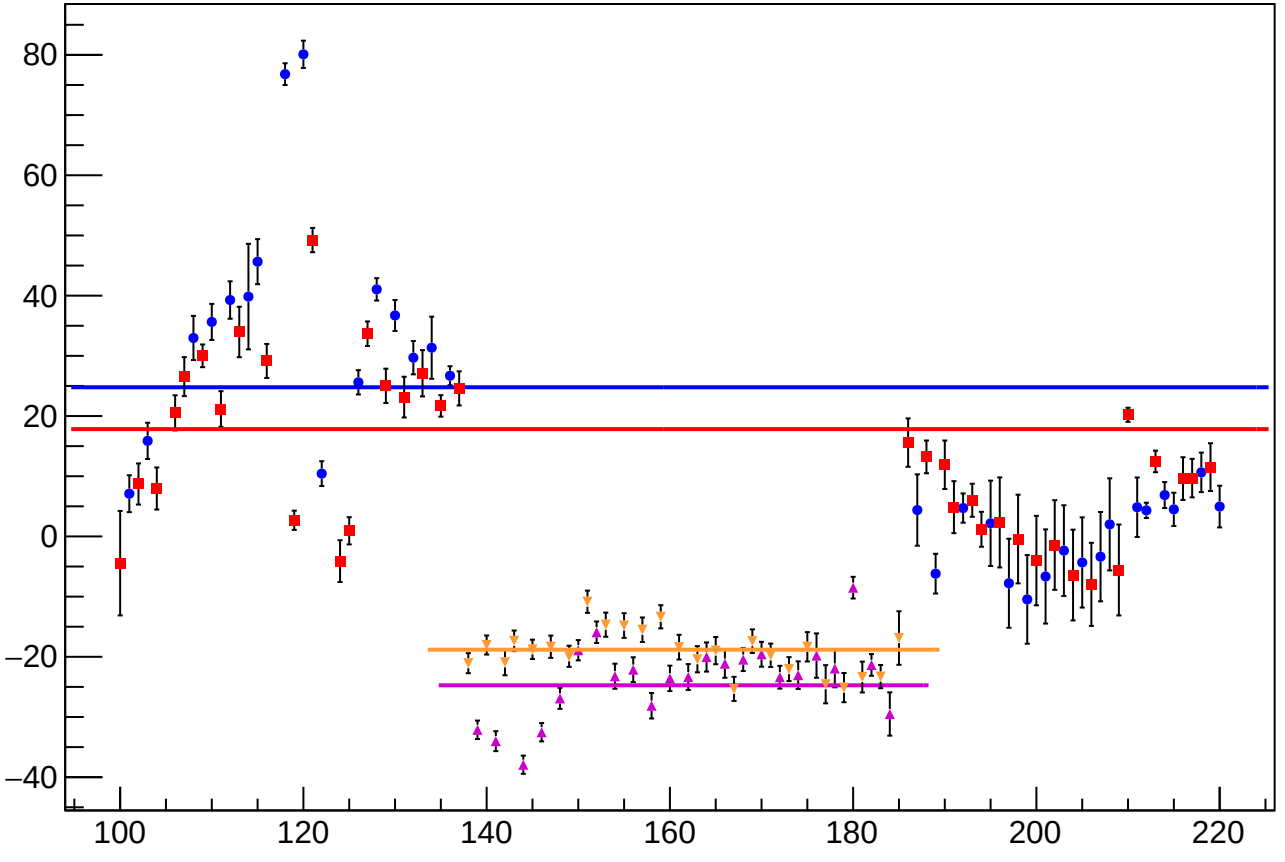
Right: 1502.311+/-0.164 χ^2/NDF: 1597517.3/69

In: 1622.188+/-0.186 χ^2/NDF:2294229.0/55

Out: 1615.094+/-0.181 χ^2/NDF:2366991.4/61

All: 1618.558+/-0.130 χ^2/NDF: 4661968.3/11

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 24.781+/-0.488 χ^2/NDF: 2429.0/32

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 17.828+/-0.456 χ^2/NDF: 770.0/36

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

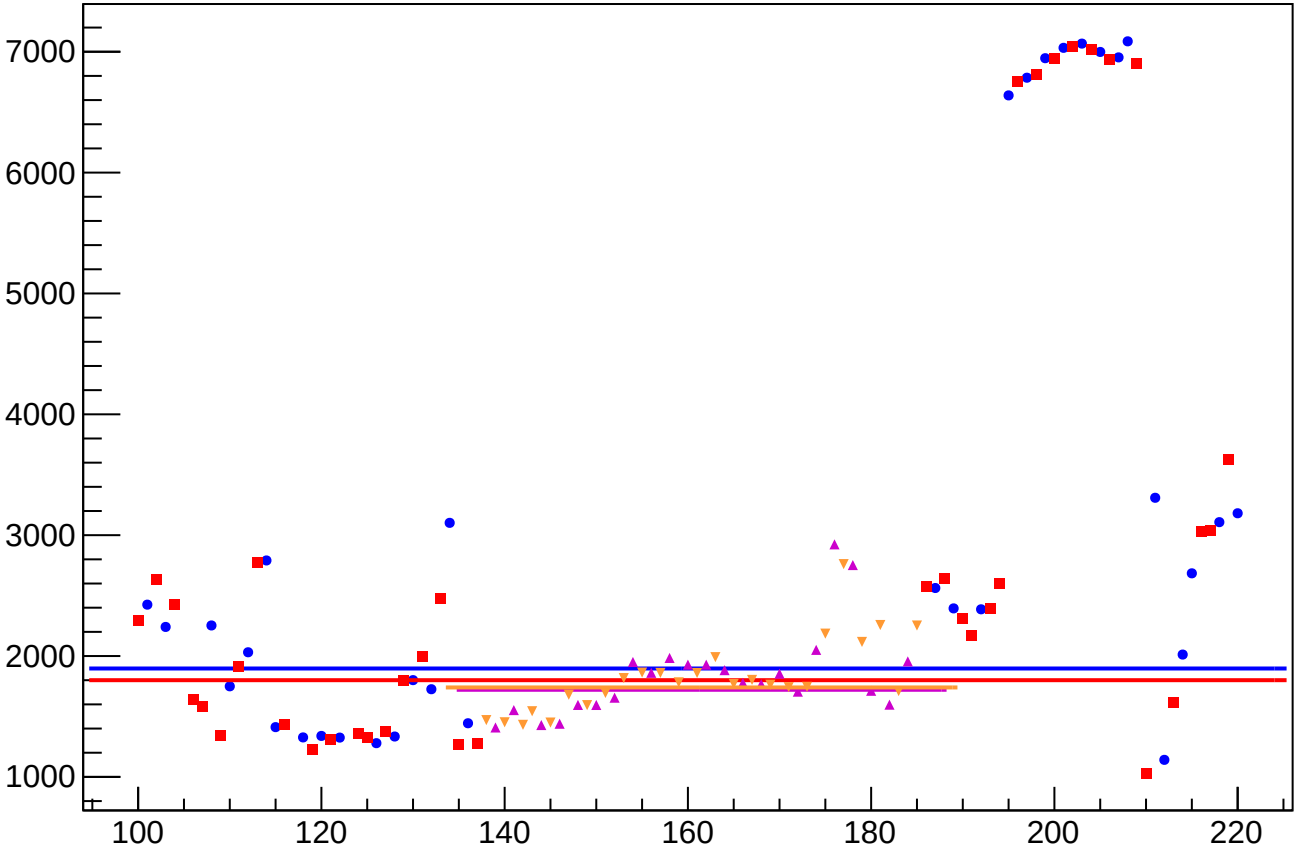
Right: 21.063+/-0.333 χ^2/NDF: 3307.4/69

In: -4.329+/-0.313 χ^2/NDF:8782.4/55

Out: -2.777+/-0.301 χ^2/NDF:4482.9/61

All: -3.523+/-0.217 χ^2/NDF: 13278.0/117

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1896.916+/-0.345 χ^2/NDF: 10318997.0/32

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1800.189+/-0.322 χ^2/NDF: 10500152.6/36

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

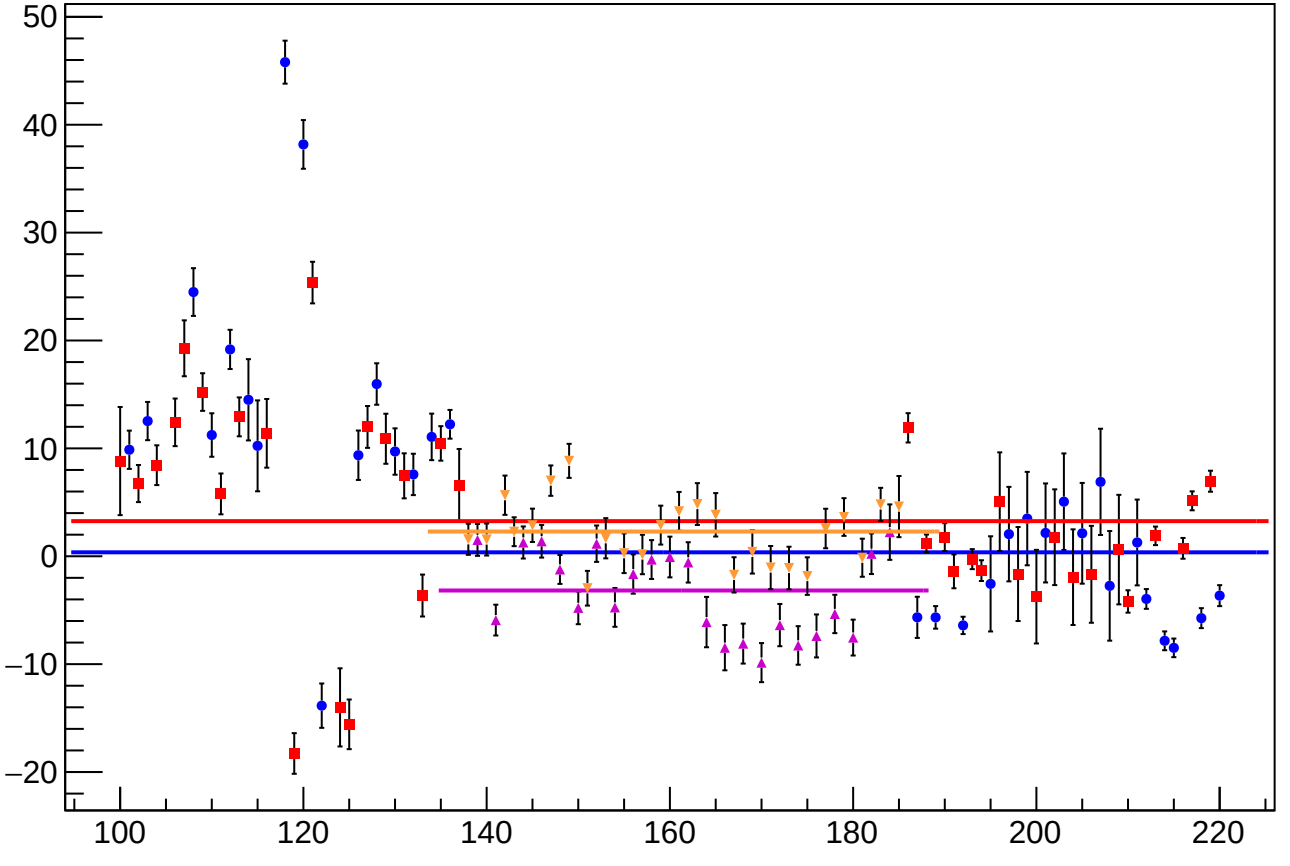
Right: 1845.205+/-0.236 χ^2/NDF: 20861109.7/69

In: 1793.409+/-0.222 χ^2/NDF:11355853.7/55

Out: 1766.394+/-0.213 χ^2/NDF:11273103.1/61

All: 1779.373+/-0.154 χ^2/NDF: 22636676.5/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.365+/-0.275 χ^2/NDF: 1812.9/32

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.256+/-0.253 χ^2/NDF: 754.9/36

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

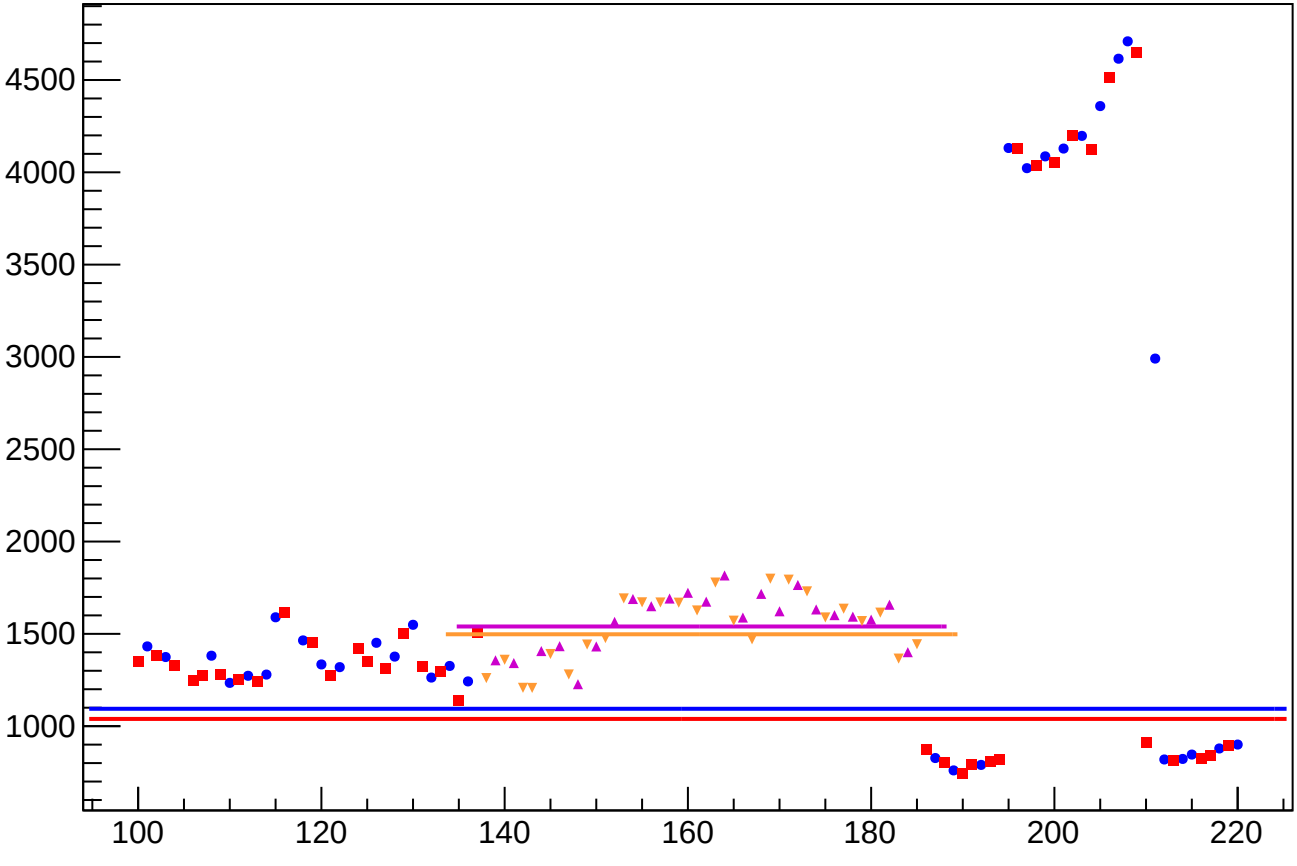
Right: 1.933+/-0.186 χ^2/NDF: 2627.6/69

In: -0.930+/-0.219 χ^2/NDF:1983.7/55

Out: 2.917+/-0.204 χ^2/NDF:833.5/61

All: 1.135+/-0.149 χ^2/NDF: 2982.4/117

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1094.162+/-0.195 χ^2/NDF: 9936211.6/32

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1039.199+/-0.179 χ^2/NDF: 8749312.1/36

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

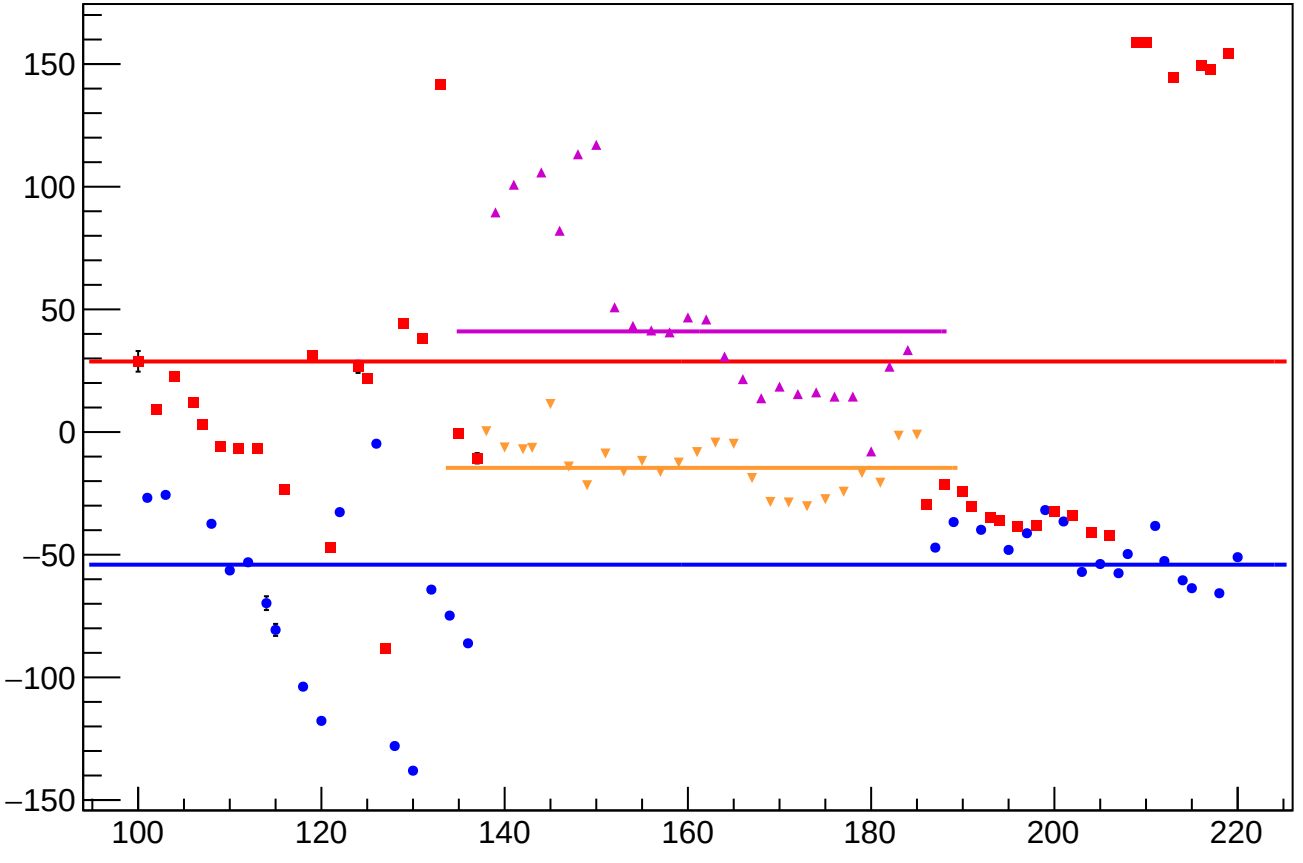
Right: 1064.359+/-0.132 χ^2/NDF: 18728727.9/69

In: 1257.291+/-0.155 χ^2/NDF:12234290.1/55

Out: 1200.483+/-0.144 χ^2/NDF:11628361.9/61

All: 1226.801+/-0.106 χ^2/NDF: 23934706.0/

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -54.060+/-0.154 χ^2/NDF: 18949.3/32

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 28.766+/-0.153 χ^2/NDF: 301233.1/36

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

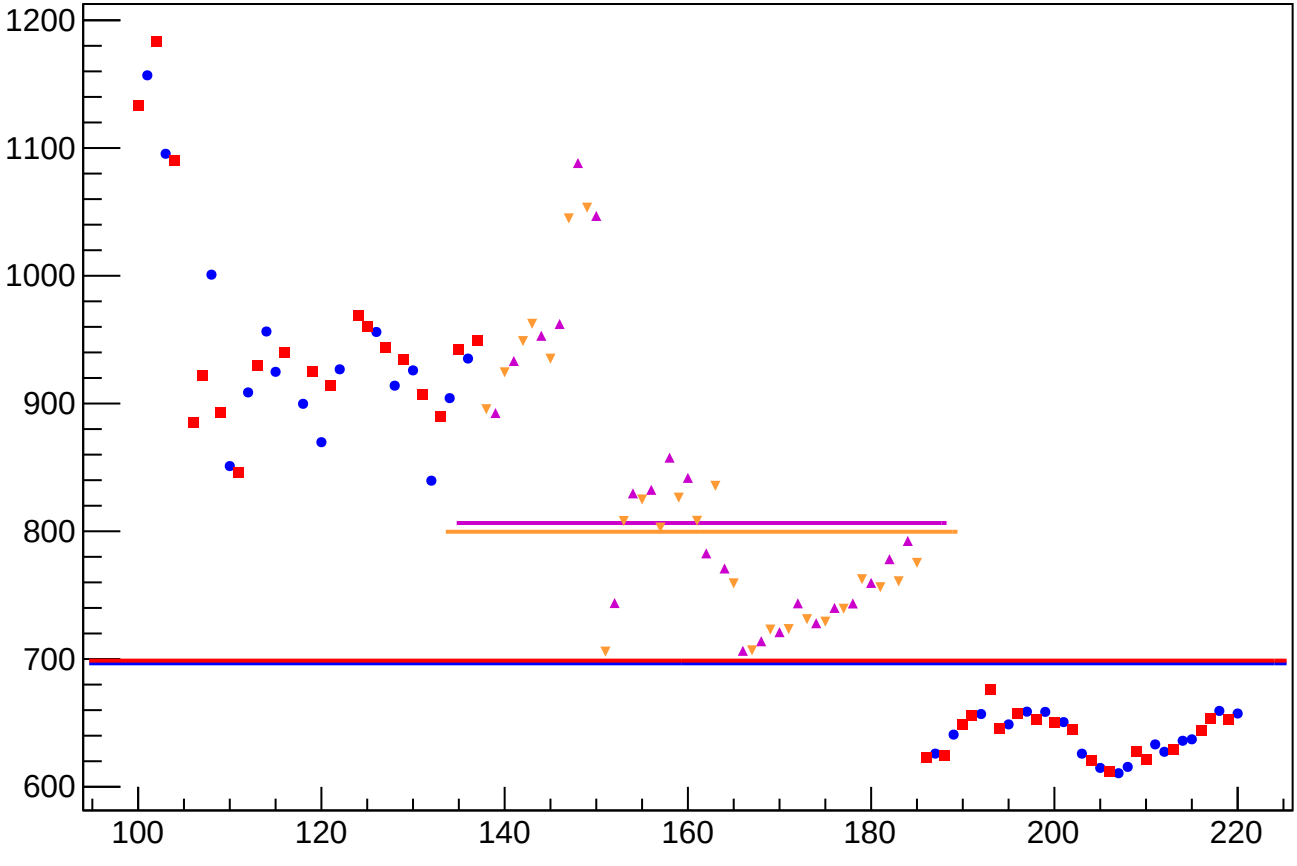
Right: -12.300+/-0.109 χ^2/NDF: 465745.7/69

In: -16.266+/-0.120 χ^2/NDF:201249.2/55

Out: 10.938+/-0.117 χ^2/NDF:337476.7/61

All: -2.394+/-0.084 χ^2/NDF: 565084.5/117

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 696.663+/-0.109 χ^2/NDF: 1299375.7/32

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 698.749+/-0.108 χ^2/NDF: 1354525.4/36

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

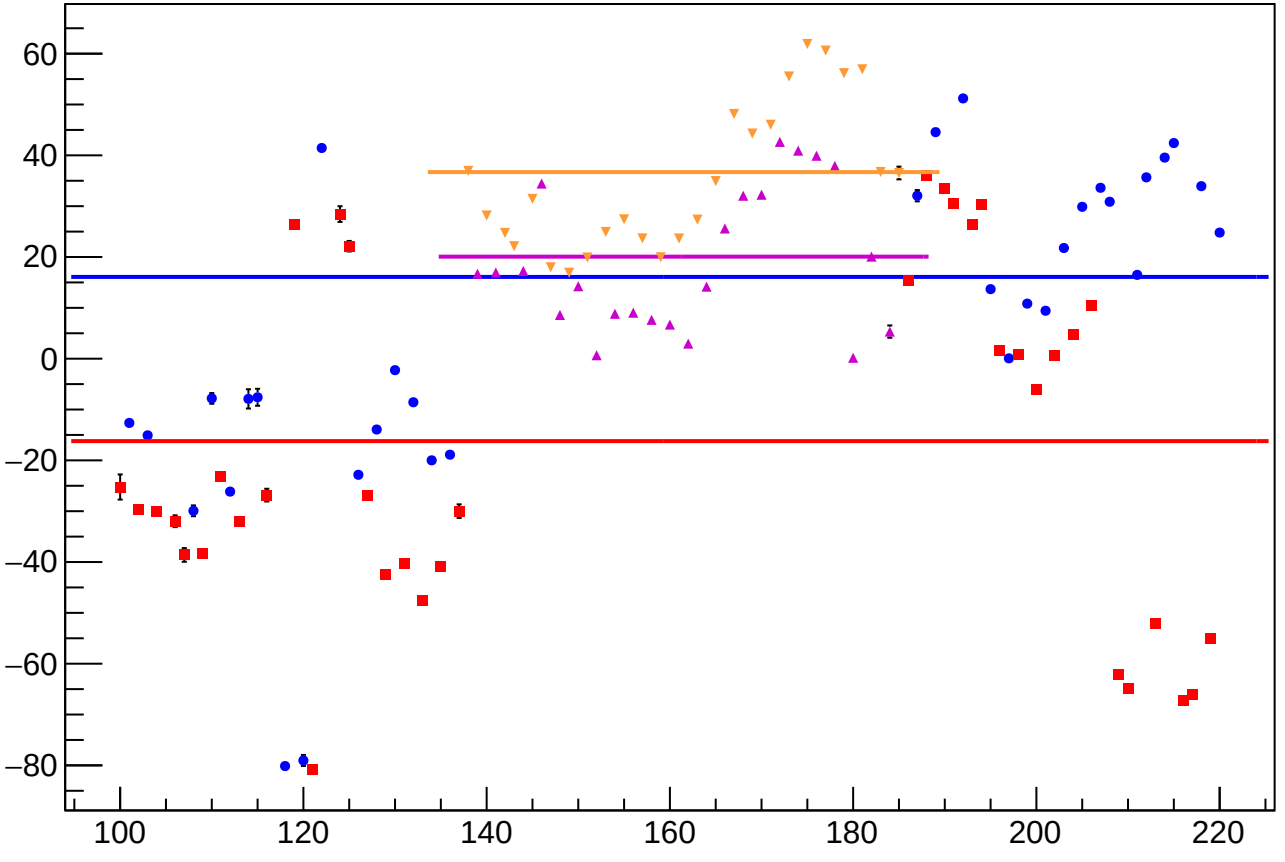
Right: 697.715+/-0.077 χ^2/NDF: 2654085.9/69

In: 740.313+/-0.085 χ^2/NDF:2214146.2/55

Out: 740.228+/-0.083 χ^2/NDF:2210141.5/61

All: 740.270+/-0.059 χ^2/NDF: 4424288.3/117

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 16.085+/-0.116 χ^2/NDF: 54928.3/32

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -16.212+/-0.114 χ^2/NDF: 99090.6/36

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

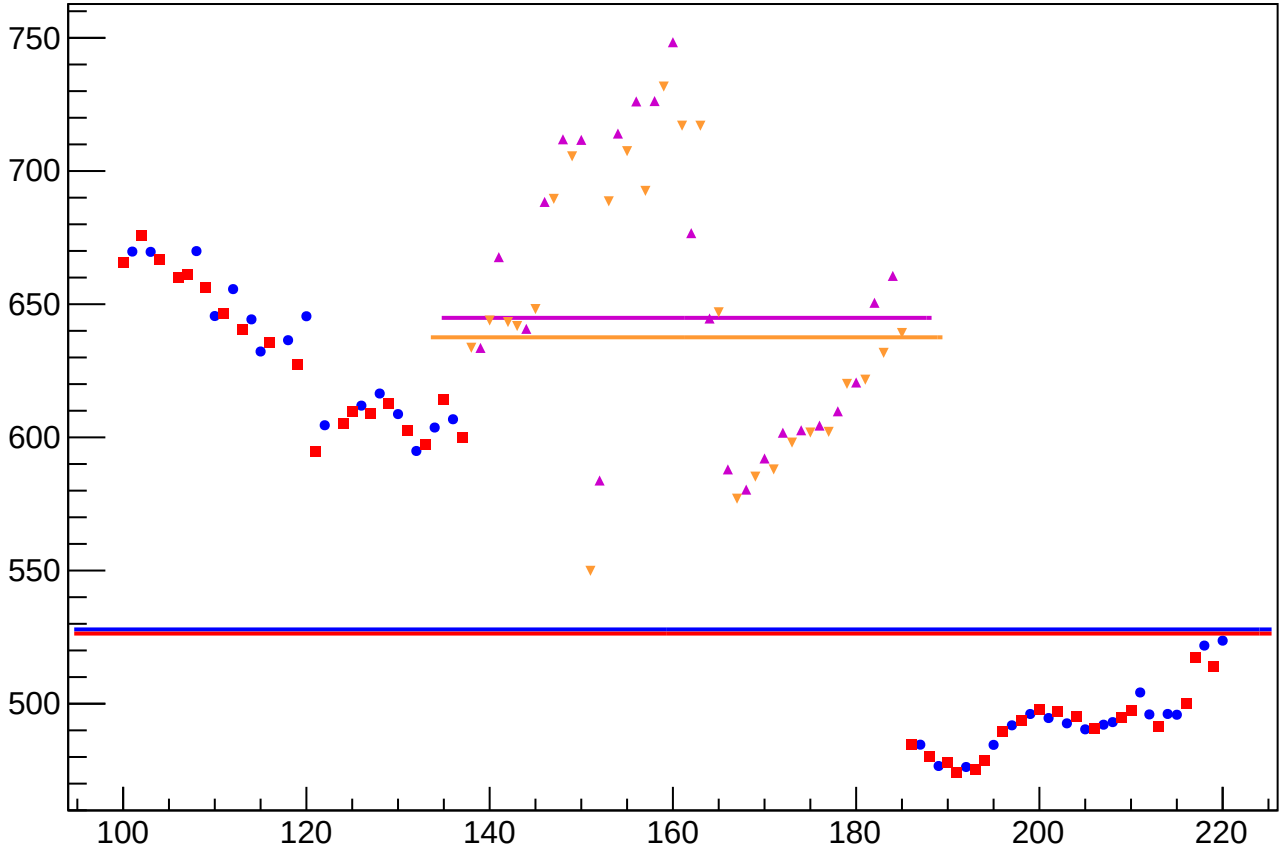
Right: -0.296+/-0.081 χ^2/NDF: 193530.0/69

In: 17.556+/-0.092 χ^2/NDF:63926.7/55

Out: 3.943+/-0.090 χ^2/NDF:191294.9/61

All: 10.588+/-0.064 χ^2/NDF: 266453.1/117

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 527.888+/-0.082 χ^2/NDF: 542253.8/32

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 526.338+/-0.081 χ^2/NDF: 575616.6/36

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

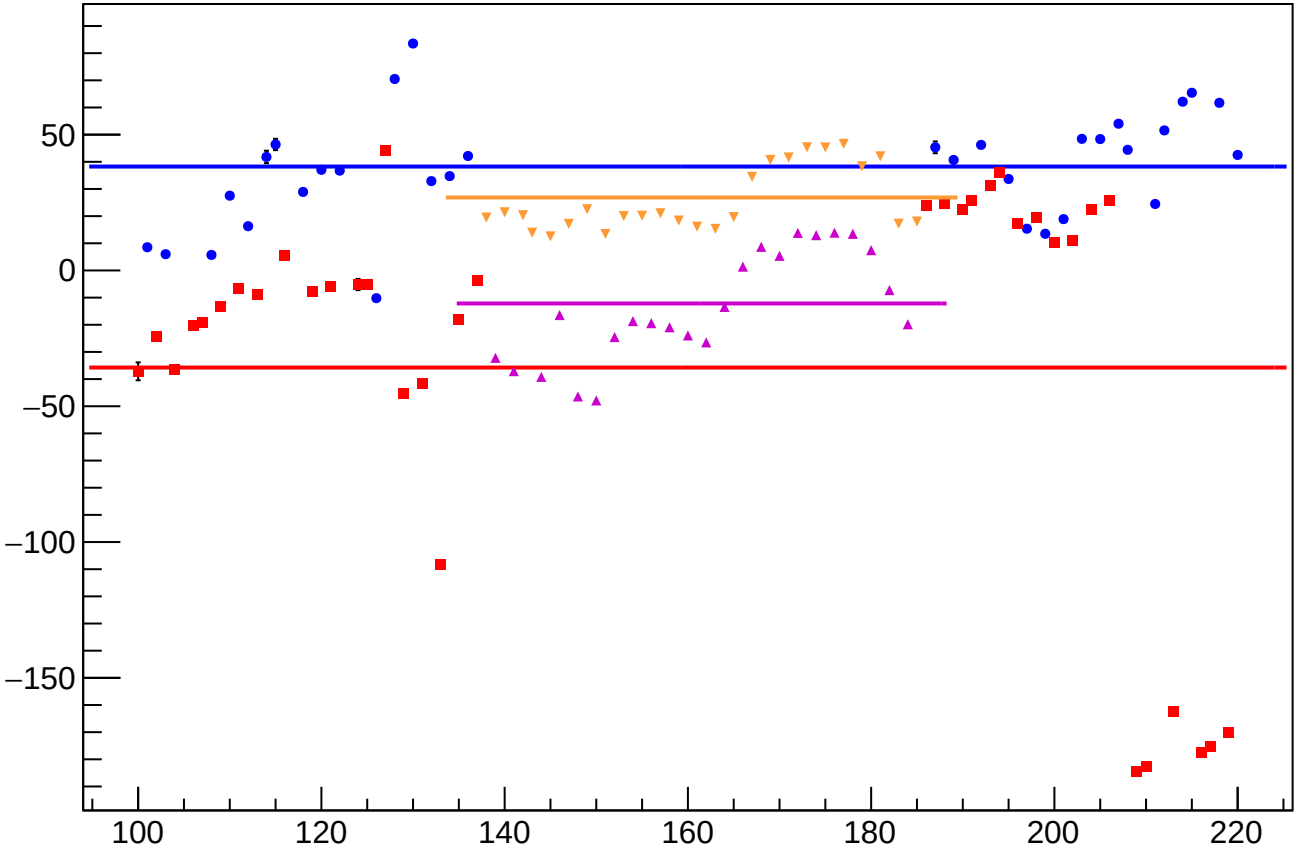
Right: 527.102+/-0.057 χ^2/NDF: 1118052.5/69

In: 571.086+/-0.065 χ^2/NDF:1526611.3/55

Out: 568.704+/-0.063 χ^2/NDF:1536540.1/61

All: 569.867+/-0.045 χ^2/NDF: 3063838.9/117

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 38.254+/-0.191 χ^2/NDF: 11280.3/32

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -35.747+/-0.189 χ^2/NDF: 158880.7/36

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

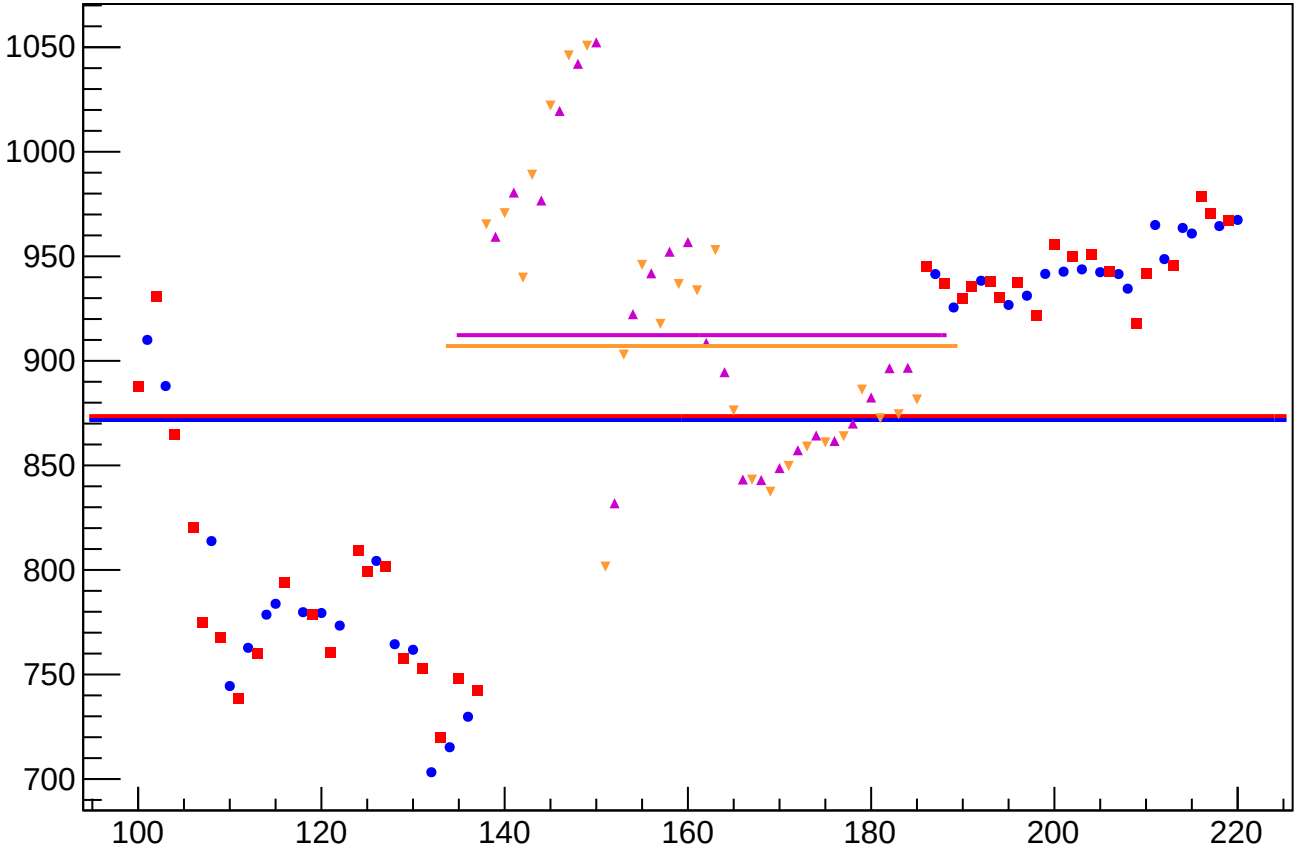
Right: 0.877+/-0.134 χ^2/NDF: 246016.4/69

In: 15.871+/-0.142 χ^2/NDF:50773.4/55

Out: -7.228+/-0.139 χ^2/NDF:212249.6/61

All: 4.084+/-0.100 χ^2/NDF: 276452.9/117

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 871.718+/-0.135 χ^2/NDF: 472654.5/32

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 873.580+/-0.134 χ^2/NDF: 433825.4/36

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

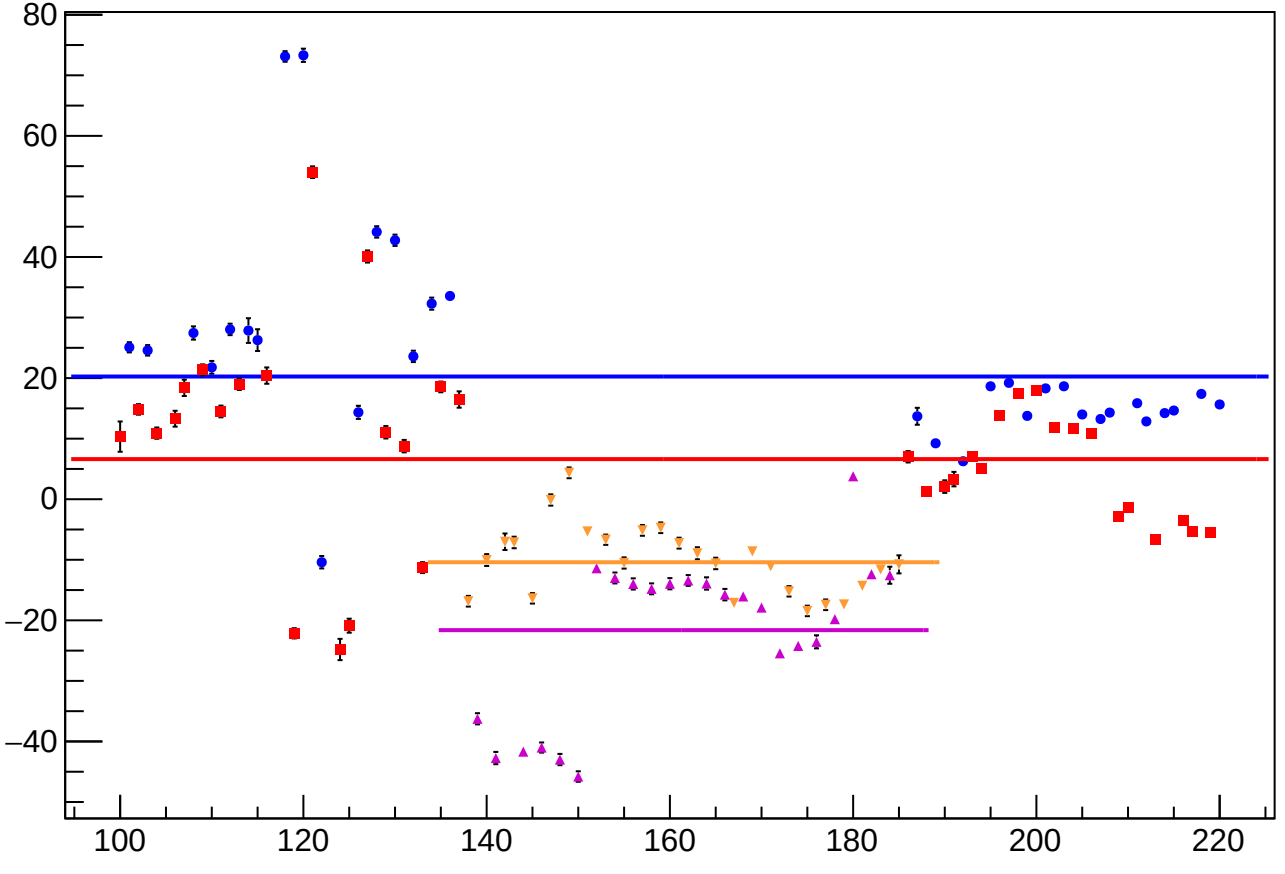
Right: 872.658+/-0.095 χ^2/NDF: 906576.0/69

In: 889.736+/-0.101 χ^2/NDF:687479.1/55

Out: 888.842+/-0.099 χ^2/NDF:657061.5/61

All: 889.280+/-0.070 χ^2/NDF: 1344580.8/117

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 20.261+/-0.134 χ^2/NDF: 10508.0/32

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 6.625+/-0.132 χ^2/NDF: 9904.7/36

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

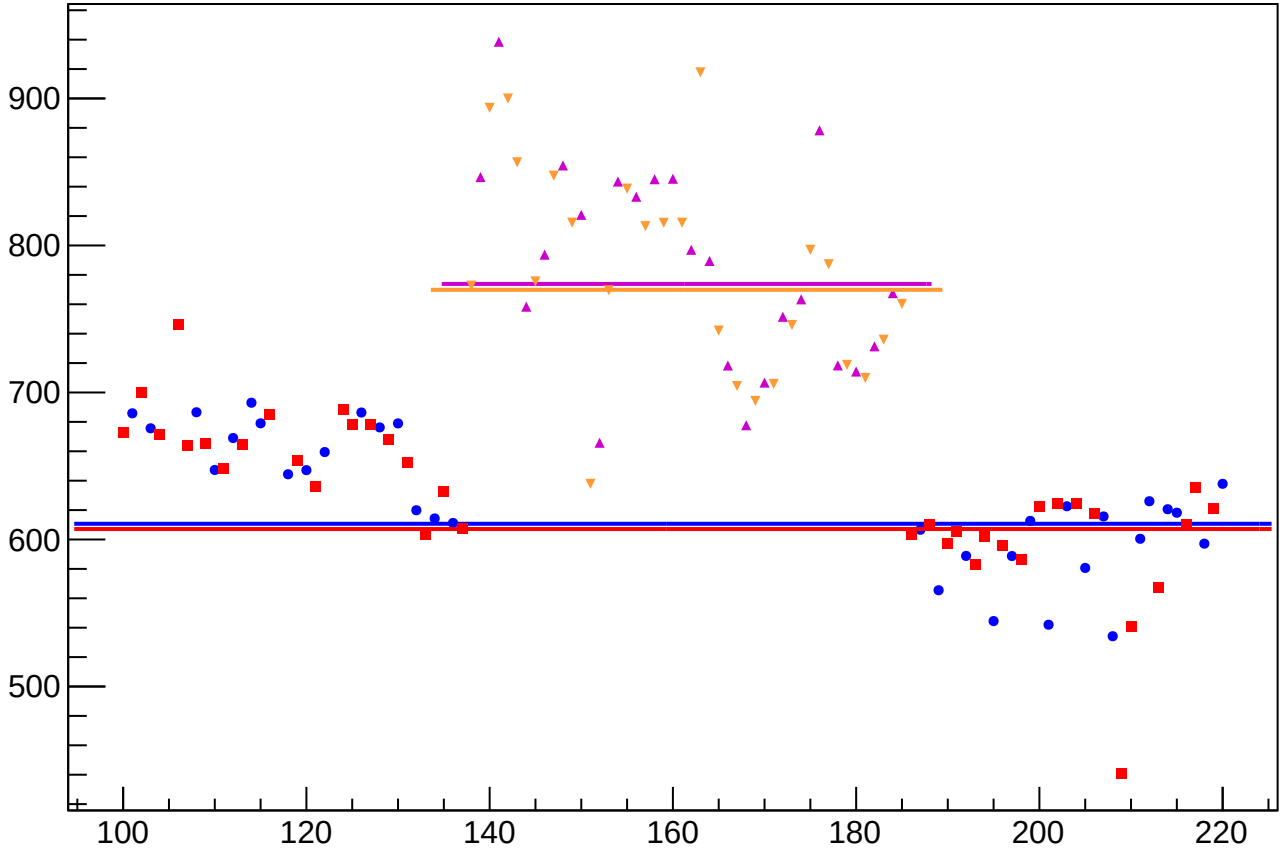
Right: 13.332+/-0.094 χ^2/NDF: 25694.3/69

In: 5.567+/-0.108 χ^2/NDF:50151.0/55

Out: 0.519+/-0.105 χ^2/NDF:16953.5/61

All: 2.987+/-0.075 χ^2/NDF: 68226.3/117

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 610.692+/-0.095 χ^2/NDF: 200902.4/32

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 607.123+/-0.093 χ^2/NDF: 413641.7/36

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

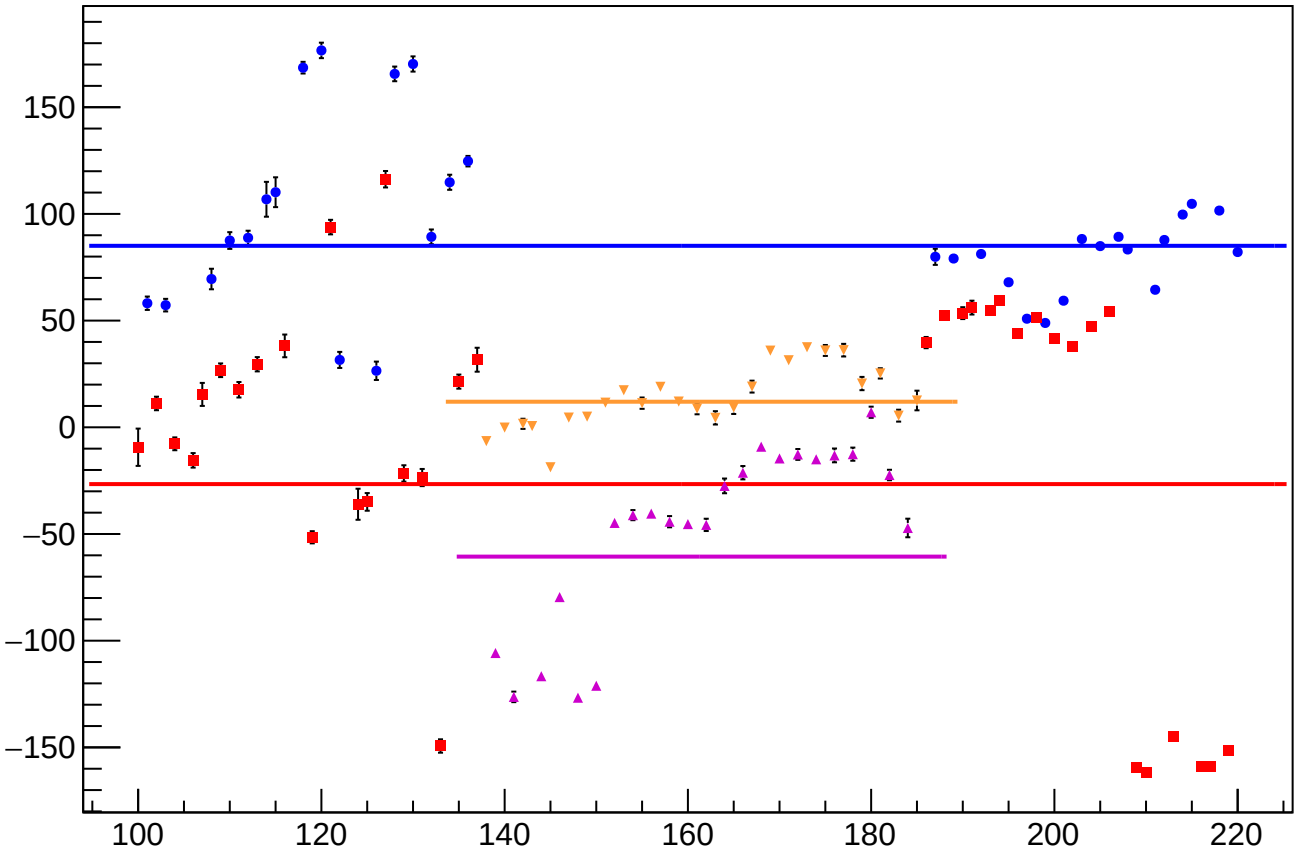
Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

Right: 608.878+/-0.066 χ^2/NDF: 615267.9/69

In: 667.932+/-0.076 χ^2/NDF:1527830.2/55

Out: 665.467+/-0.075 χ^2/NDF:1814872.2/61

All: 666.672+/-0.053 χ^2/NDF: 3343237.3/117



Right In: 85.048+/-0.398 χ^2/NDF: 5111.5/32

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -26.615+/-0.388 χ^2/NDF: 59911.7/36

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

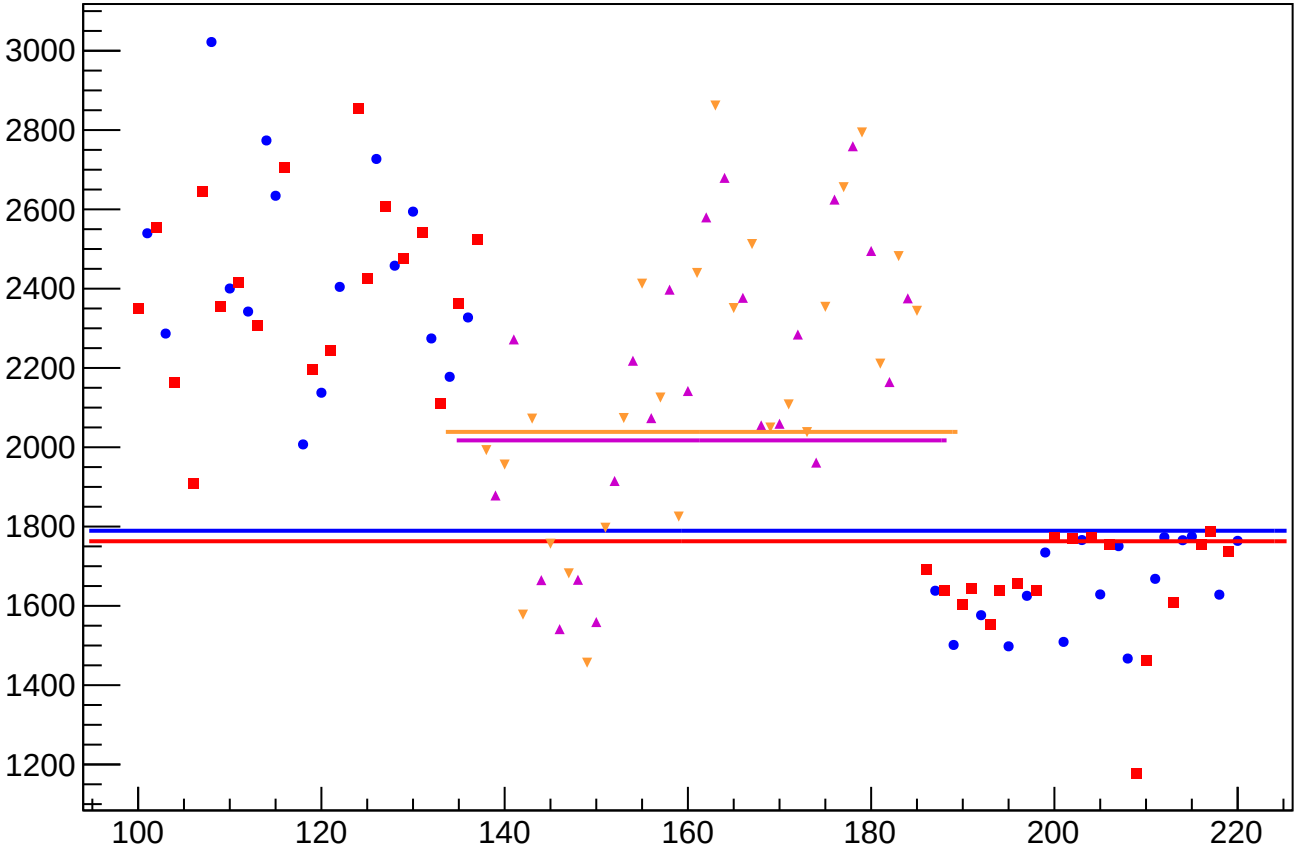
Right: 27.817+/-0.278 χ^2/NDF: 105360.8/69

In: 25.837+/-0.307 χ^2/NDF:68182.9/55

Out: -11.022+/-0.300 χ^2/NDF:64853.9/61

All: 6.986+/-0.214 χ^2/NDF: 140426.8/117

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1789.433+/-0.281 χ^2/NDF: 1317557.0/32

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1762.949+/-0.274 χ^2/NDF: 1598710.8/36

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

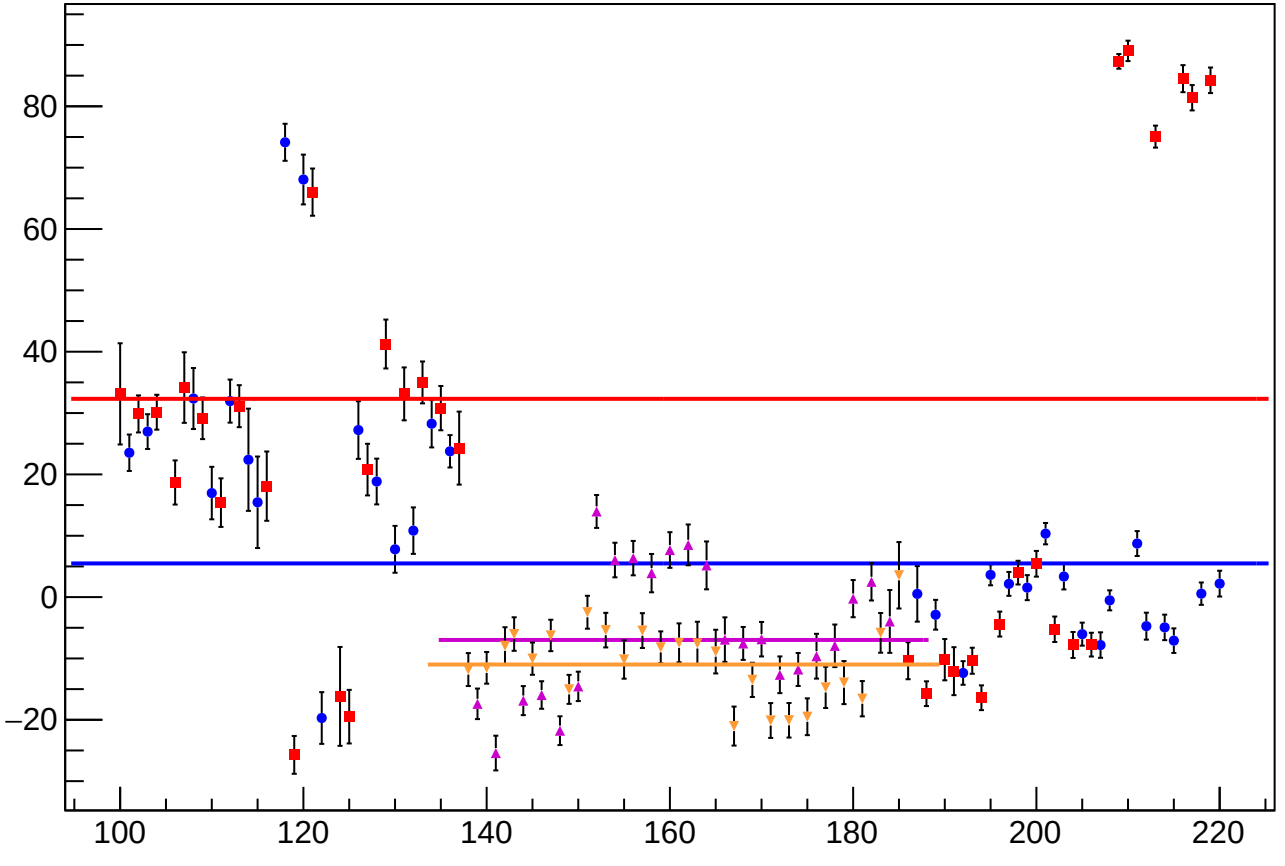
Right: 1775.859+/-0.197 χ^2/NDF: 2920805.9/69

In: 1882.082+/-0.217 χ^2/NDF:2634142.7/55

Out: 1874.368+/-0.212 χ^2/NDF:3130152.9/61

All: 1878.137+/-0.152 χ^2/NDF: 5764943.0/11

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 5.487+/-0.431 χ^2/NDF: 1410.7/32

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 32.318+/-0.419 χ^2/NDF: 10121.2/36

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

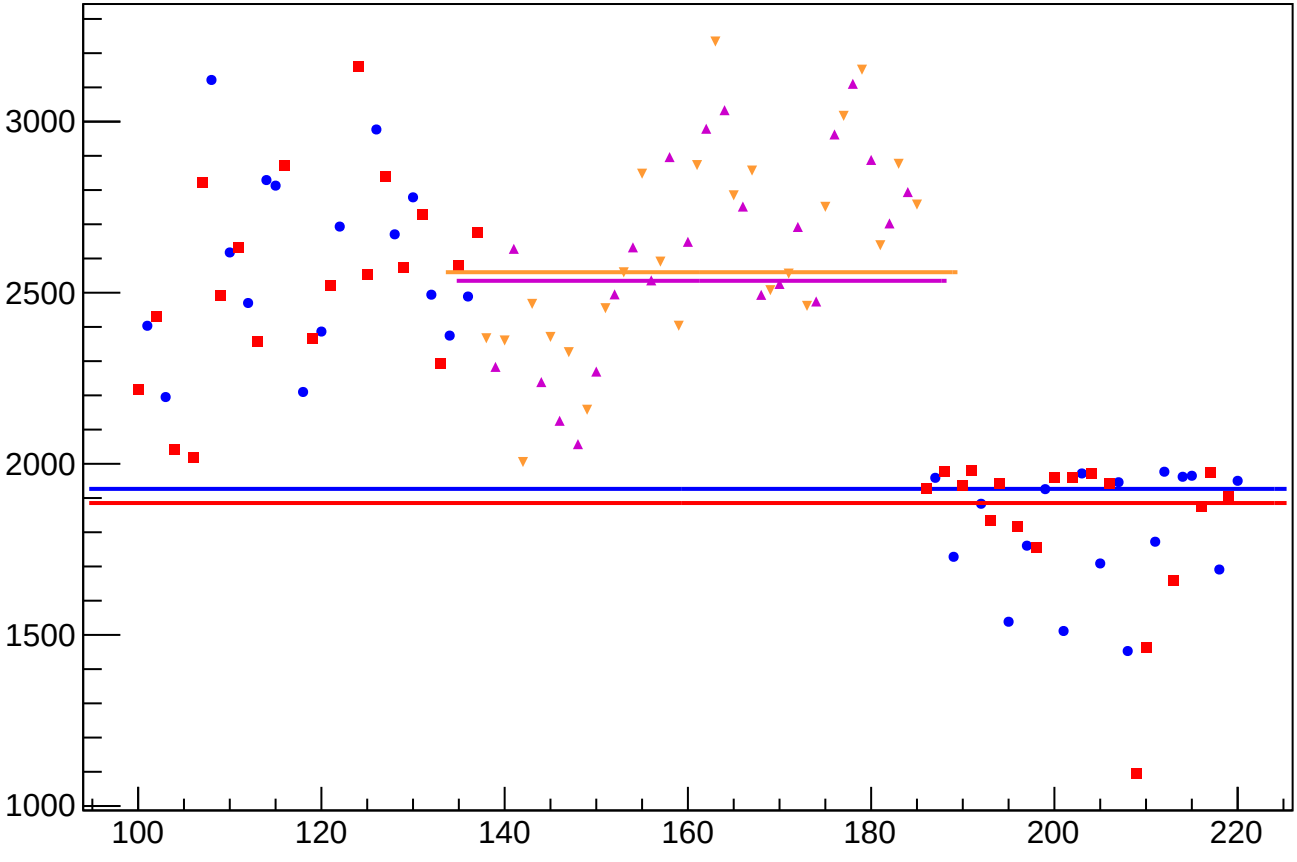
Right: 19.295+/-0.300 χ^2/NDF: 13525.7/69

In: 1.227+/-0.350 χ^2/NDF:2036.2/55

Out: 17.682+/-0.341 χ^2/NDF:13825.3/61

All: 9.673+/-0.244 χ^2/NDF: 16997.4/117

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 1926.729+/-0.305 χ^2/NDF: 1378794.7/32

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 1885.398+/-0.296 χ^2/NDF: 2009979.9/36

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

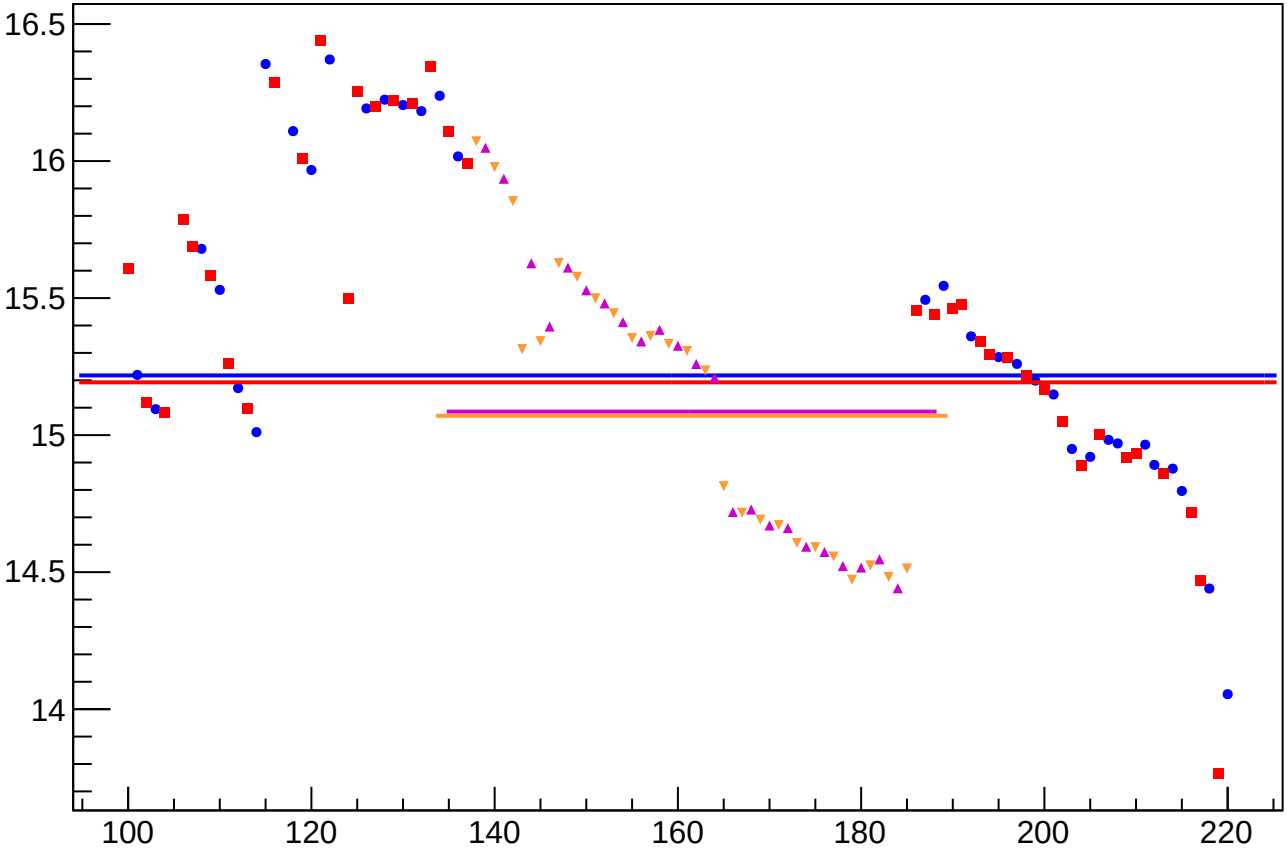
Right: 1905.459+/-0.212 χ^2/NDF: 3398236.5/69

In: 2134.436+/-0.247 χ^2/NDF:3201762.2/55

Out: 2113.383+/-0.241 χ^2/NDF:4215129.6/61

All: 2123.630+/-0.173 χ^2/NDF: 7420610.8/11

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.218+/-0.000 χ^2/NDF: 48969984585.6/32

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.193+/-0.000 χ^2/NDF: 50772014696.4/36

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

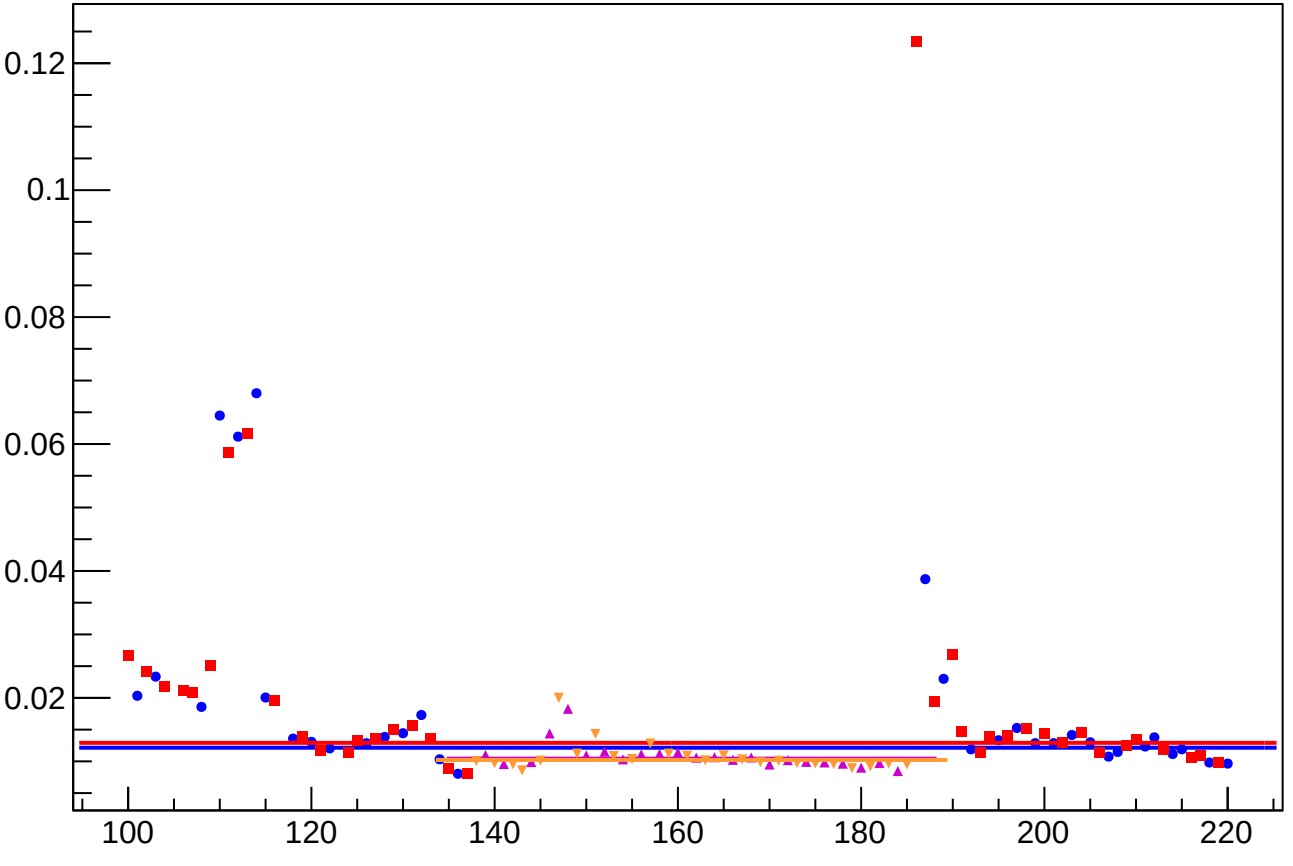
Right: 15.206+/-0.000 χ^2/NDF: 99779260082.4/69

In: 15.144+/-0.000 χ^2/NDF:89688293317.0/55

Out: 15.118+/-0.000 χ^2/NDF:95500148077.3/61

All: 15.131+/-0.000 χ^2/NDF: 185283985632.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 3124190.5/32

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3754980.5/36

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

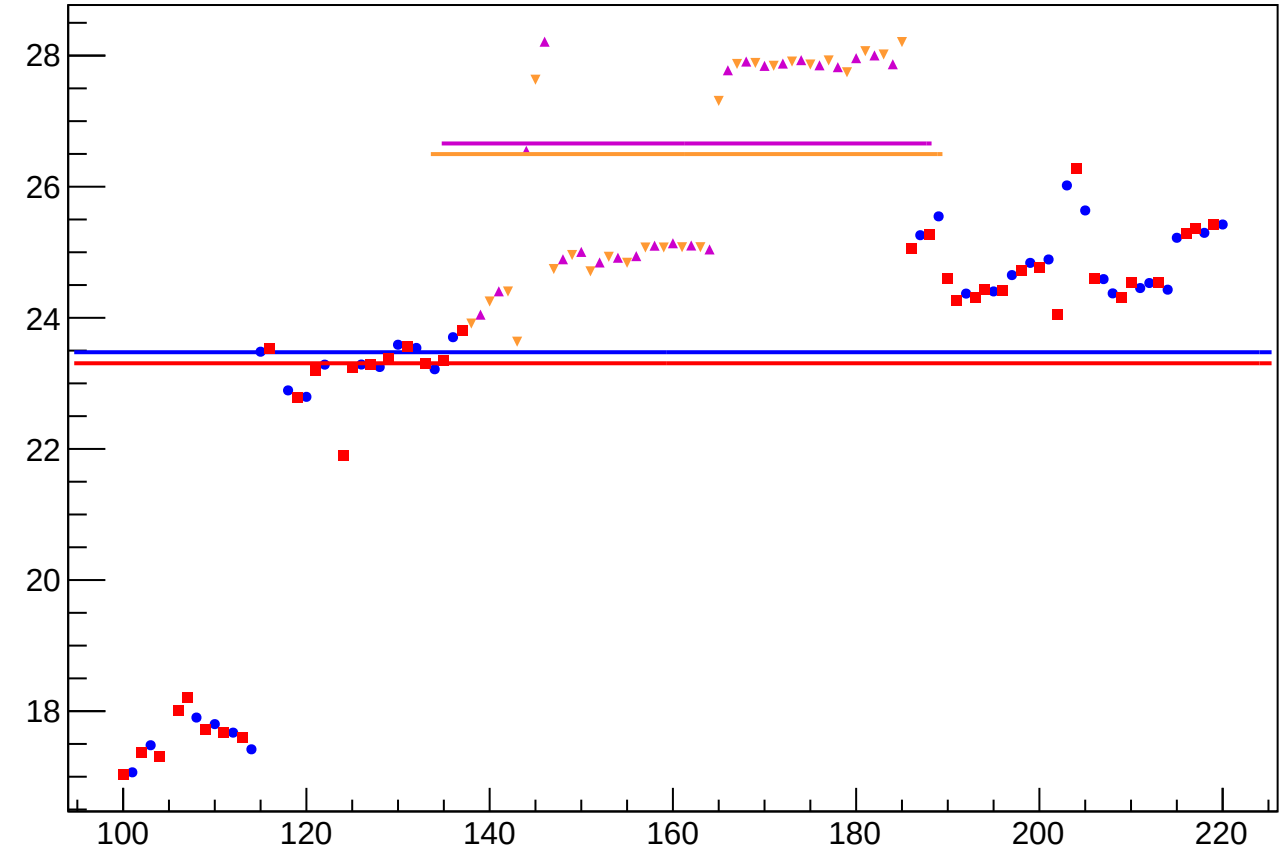
Right: 0.013+/-0.000 χ^2/NDF: 6948586.5/69

In: 0.011+/-0.000 χ^2/NDF:4134284.5/55

Out: 0.011+/-0.000 χ^2/NDF:5503146.8/61

All: 0.011+/-0.000 χ^2/NDF: 9639350.8/117

yield_sam2_mean vs Slug, Sign Corrected



Right In: 23.475+/-0.000 χ^2/NDF: 1831236874.0/32

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.307+/-0.000 χ^2/NDF: 1935764835.7/36

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

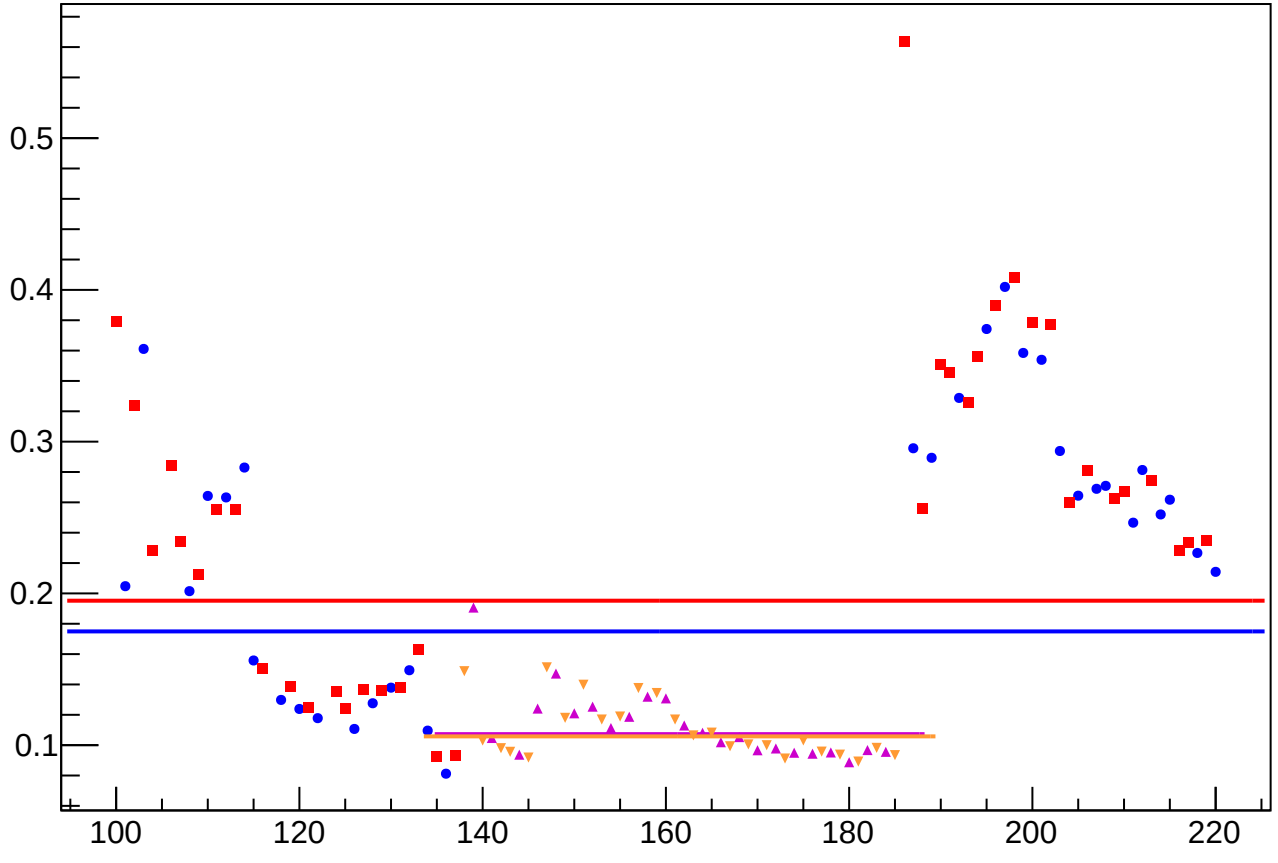
Right: 23.398+/-0.000 χ^2/NDF: 3773733750.5/69

In: 25.786+/-0.000 χ^2/NDF:8503181160.0/55

Out: 25.768+/-0.000 χ^2/NDF:9300215742.8/61

All: 25.777+/-0.000 χ^2/NDF: 17803710221.8

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.175+/-0.000 χ^2/NDF: 7739422.5/32

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.195+/-0.000 χ^2/NDF: 6801167.8/36

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

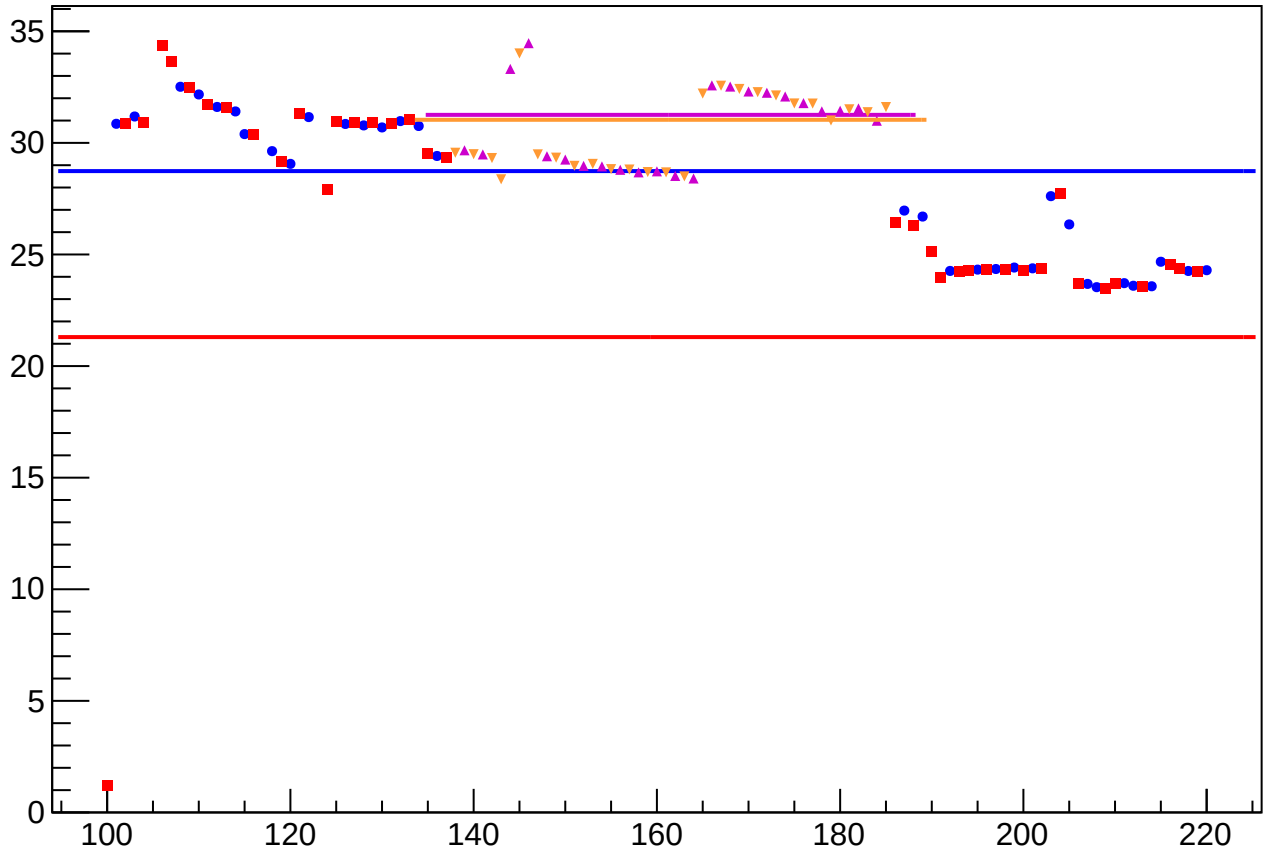
Right: 0.184+/-0.000 χ^2/NDF: 14734835.0/69

In: 0.126+/-0.000 χ^2/NDF:12020009.6/55

Out: 0.126+/-0.000 χ^2/NDF:12982459.7/61

All: 0.126+/-0.000 χ^2/NDF: 25002777.9/117

yield_sam3_mean vs Slug, Sign Corrected



Right In: 28.736+/-0.000 χ^2/NDF: 9684099508.5/32

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.299+/-0.000 χ^2/NDF: 227094085033.1/36

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

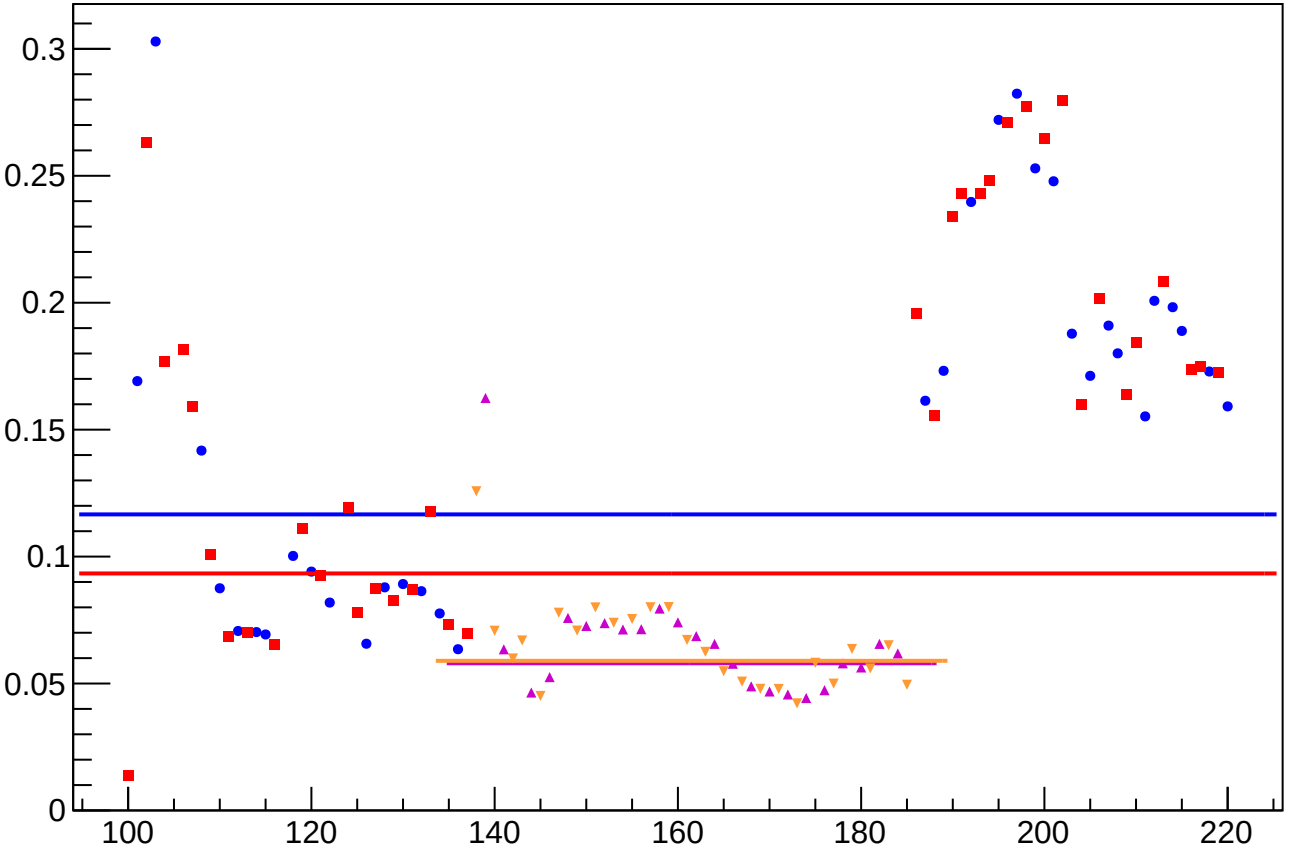
Right: 24.572+/-0.000 χ^2/NDF: 271565992893.7/69

In: 30.716+/-0.000 χ^2/NDF:27880653820.0/55

Out: 28.599+/-0.000 χ^2/NDF:340565173408.0/61

All: 29.613+/-0.000 χ^2/NDF: 380709286937.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.117+/-0.000 χ^2/NDF: 7866147.5/32

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.093+/-0.000 χ^2/NDF: 14482435.3/36

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

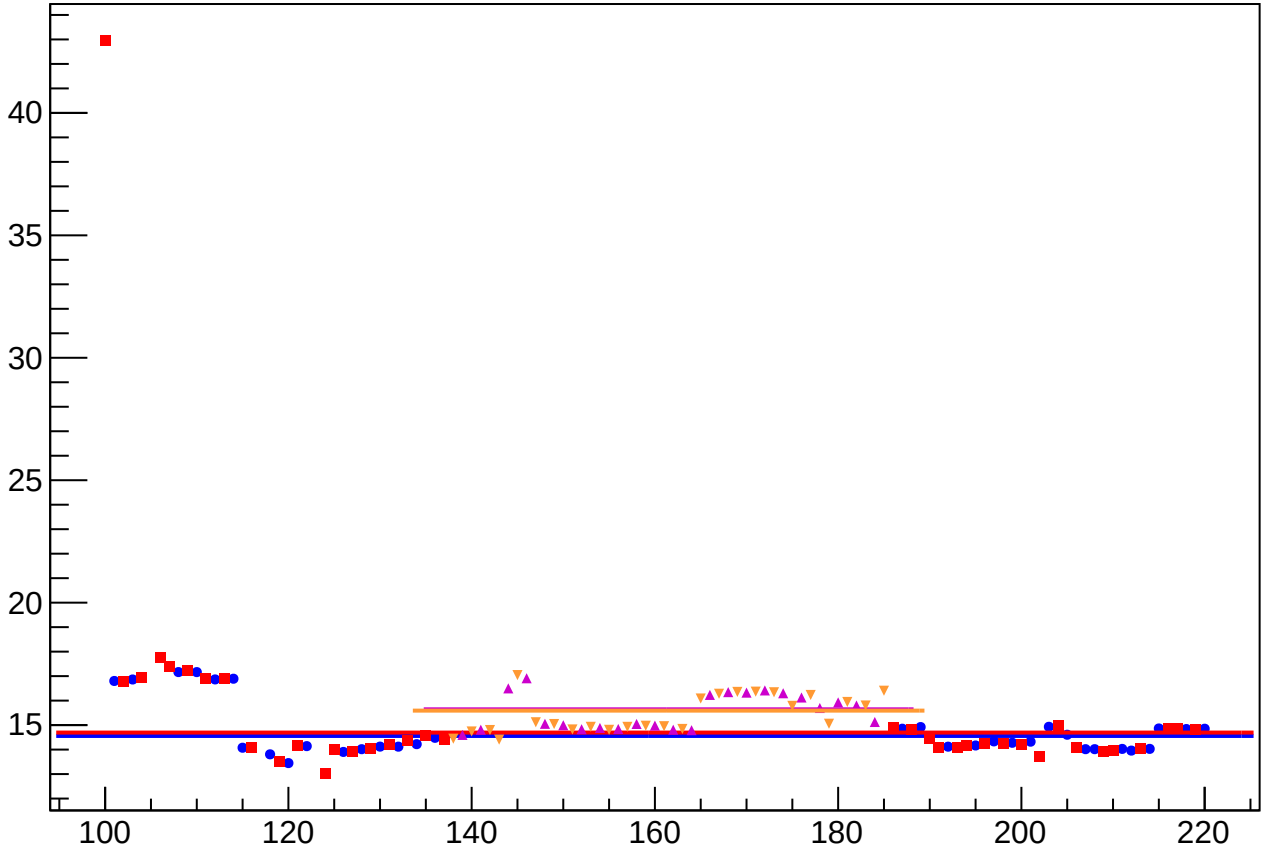
Right: 0.104+/-0.000 χ^2/NDF: 23029242.7/69

In: 0.071+/-0.000 χ^2/NDF:15654601.5/55

Out: 0.068+/-0.000 χ^2/NDF:18557406.7/61

All: 0.069+/-0.000 χ^2/NDF: 34260556.2/117

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.557+/-0.000 χ^2/NDF: 1279382622.9/32

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.695+/-0.000 χ^2/NDF: 1876362459.9/36

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

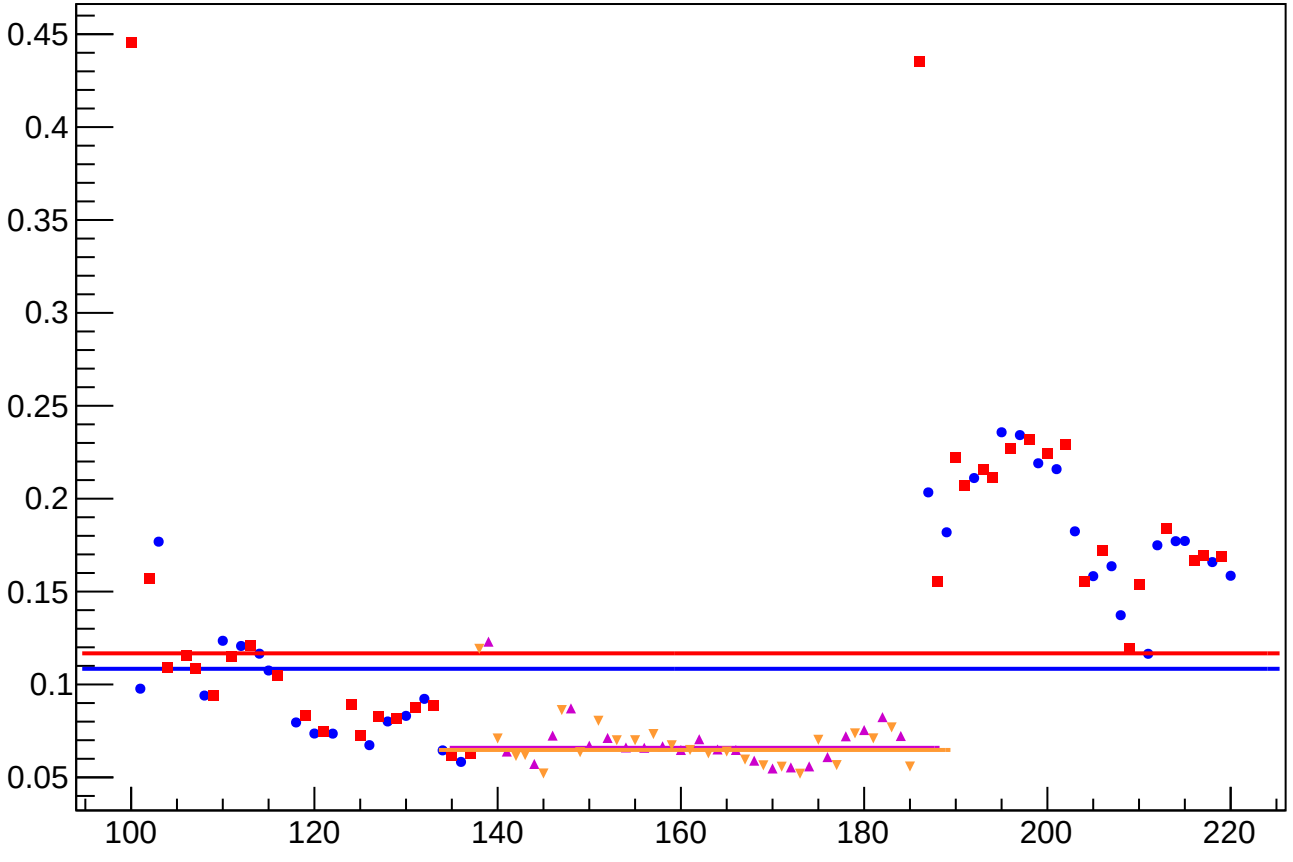
Right: 14.622+/-0.000 χ^2/NDF: 3168210715.5/69

In: 15.341+/-0.000 χ^2/NDF:4318617629.3/55

Out: 15.375+/-0.000 χ^2/NDF:4892314347.3/61

All: 15.358+/-0.000 χ^2/NDF: 9213718535.0/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.108+/-0.000 χ^2/NDF: 6882284.3/32

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.117+/-0.000 χ^2/NDF: 6435746.8/36

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

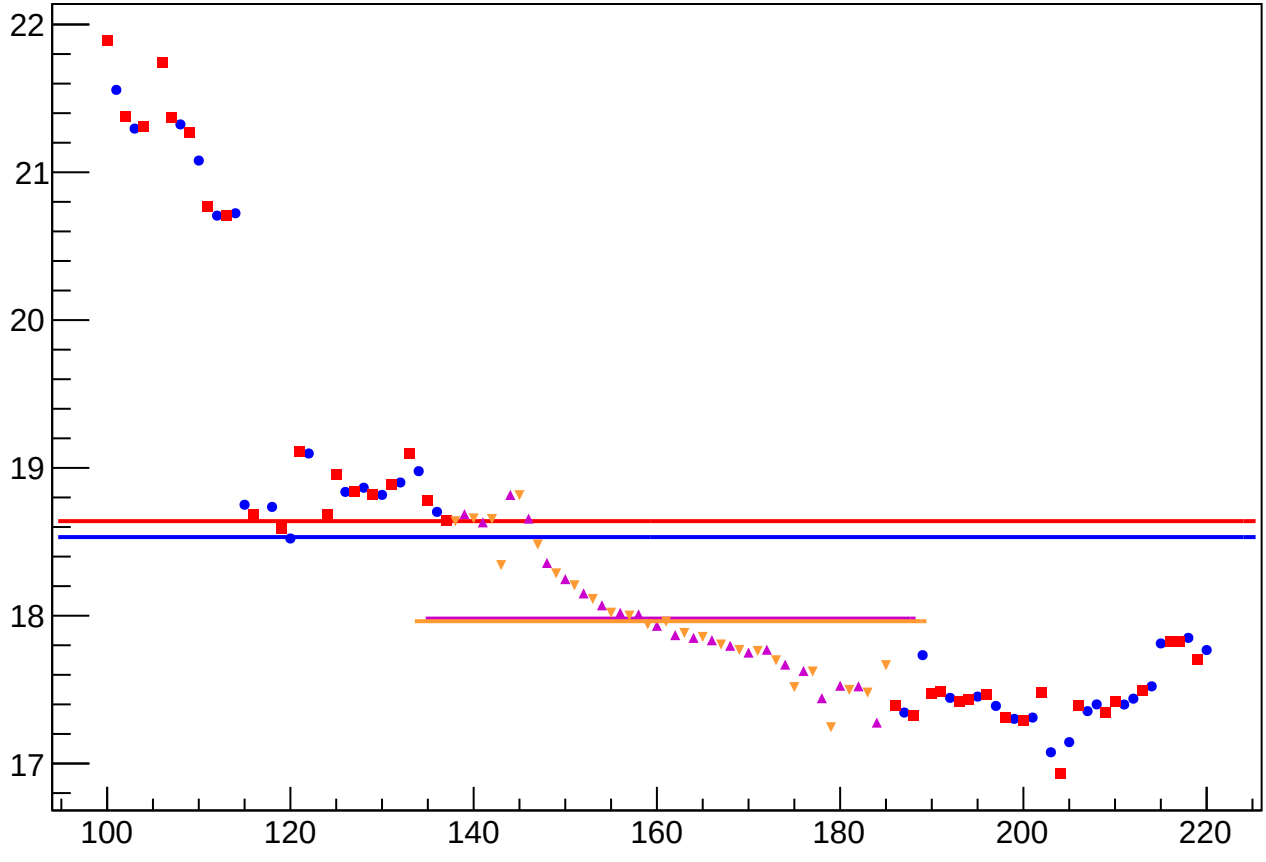
Right: 0.112+/-0.000 χ^2/NDF: 13408724.7/69

In: 0.078+/-0.000 χ^2/NDF:11281515.7/55

Out: 0.077+/-0.000 χ^2/NDF:12396205.5/61

All: 0.078+/-0.000 χ^2/NDF: 23678690.2/117

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.532+/-0.000 χ^2/NDF: 35816388111.4/32

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.640+/-0.000 χ^2/NDF: 38373745663.1/36

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

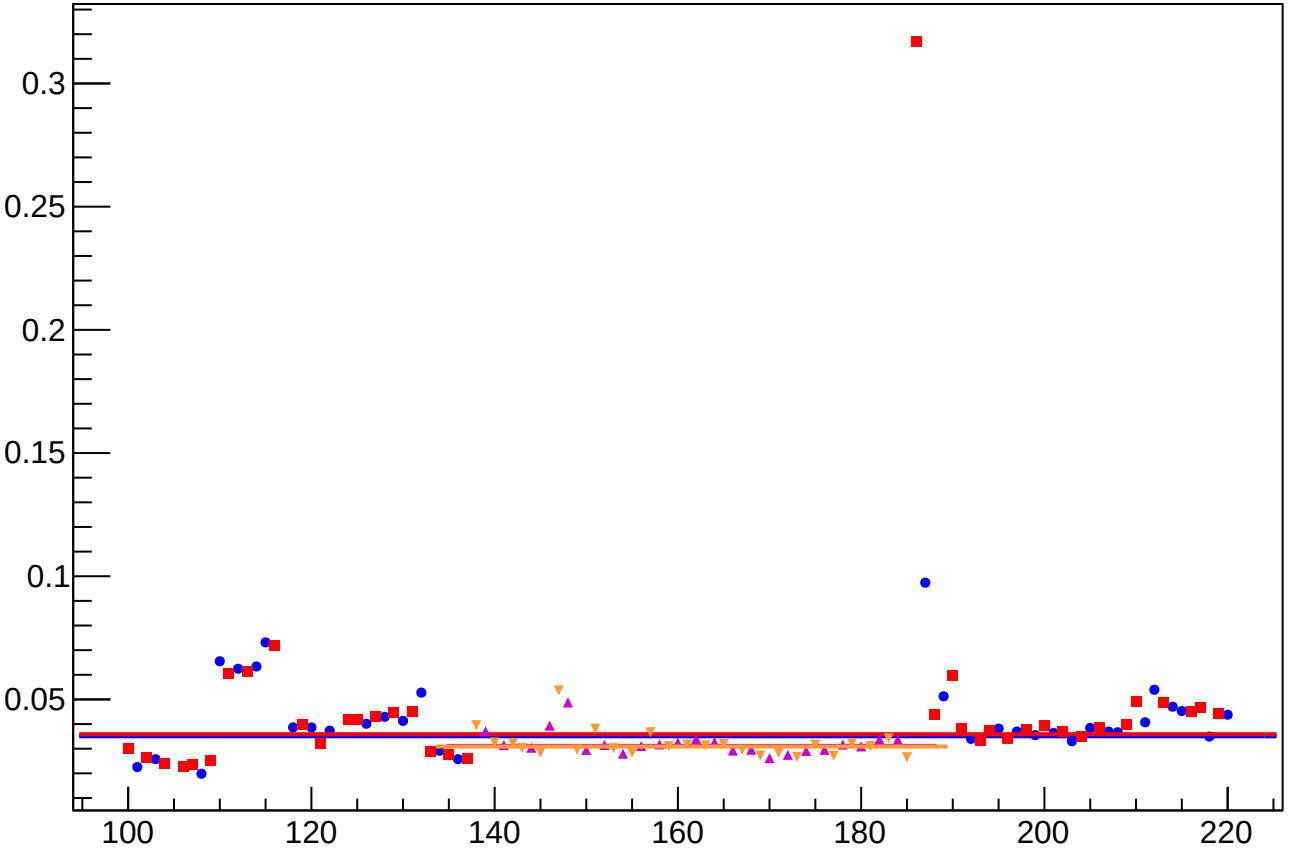
Right: 18.585+/-0.000 χ^2/NDF: 74277171935.5/69

In: 18.234+/-0.000 χ^2/NDF:41032416587.8/55

Out: 18.256+/-0.000 χ^2/NDF:45230403144.2/61

All: 18.245+/-0.000 χ^2/NDF: 86271442035.8

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.035+/-0.000 χ^2/NDF: 2528450.7/32

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.036+/-0.000 χ^2/NDF: 2806822.8/36

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

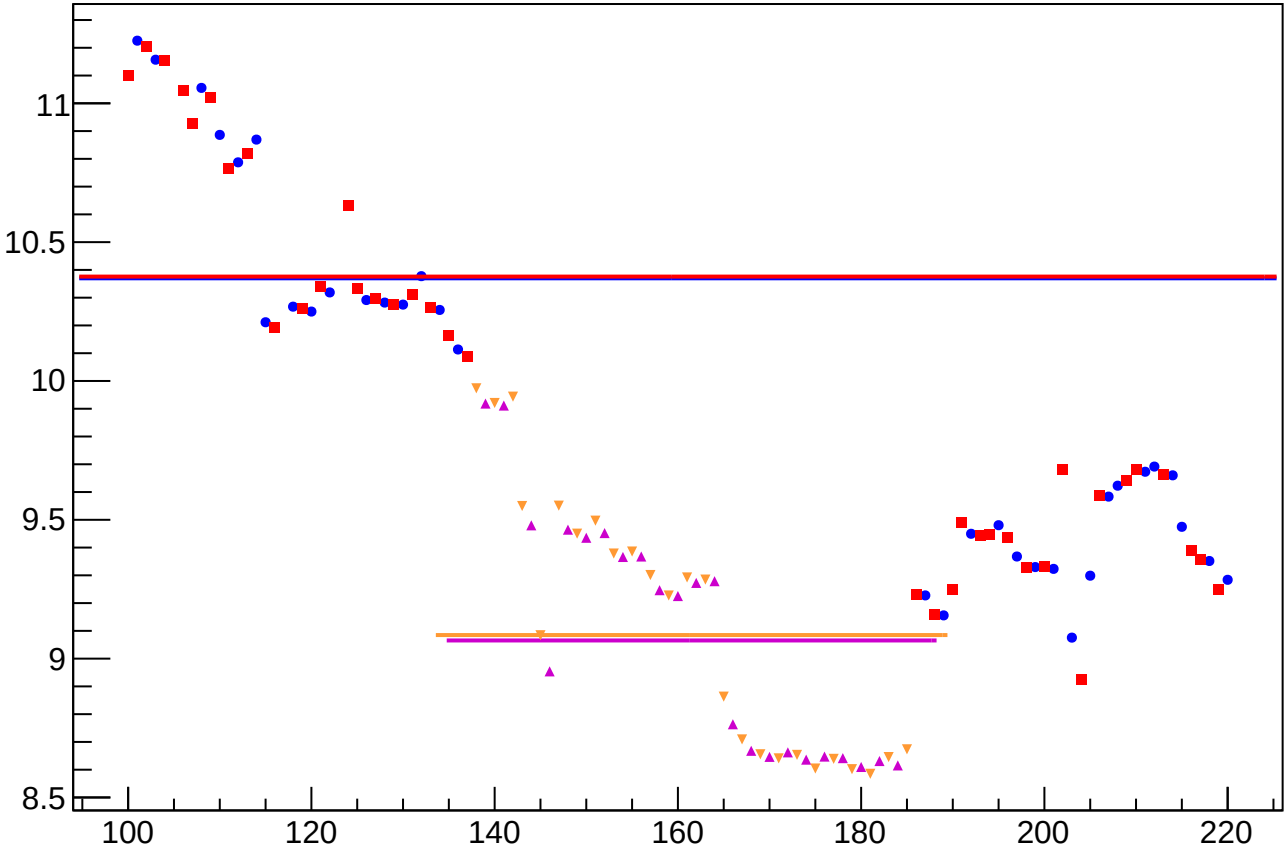
Right: 0.035+/-0.000 χ^2/NDF: 5346486.3/69

In: 0.033+/-0.000 χ^2/NDF:3260372.8/55

Out: 0.033+/-0.000 χ^2/NDF:3857760.4/61

All: 0.033+/-0.000 χ^2/NDF: 7118756.9/117

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.370+/-0.000 χ^2/NDF: 19174826703.7/32

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.376+/-0.000 χ^2/NDF: 17540532924.1/36

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

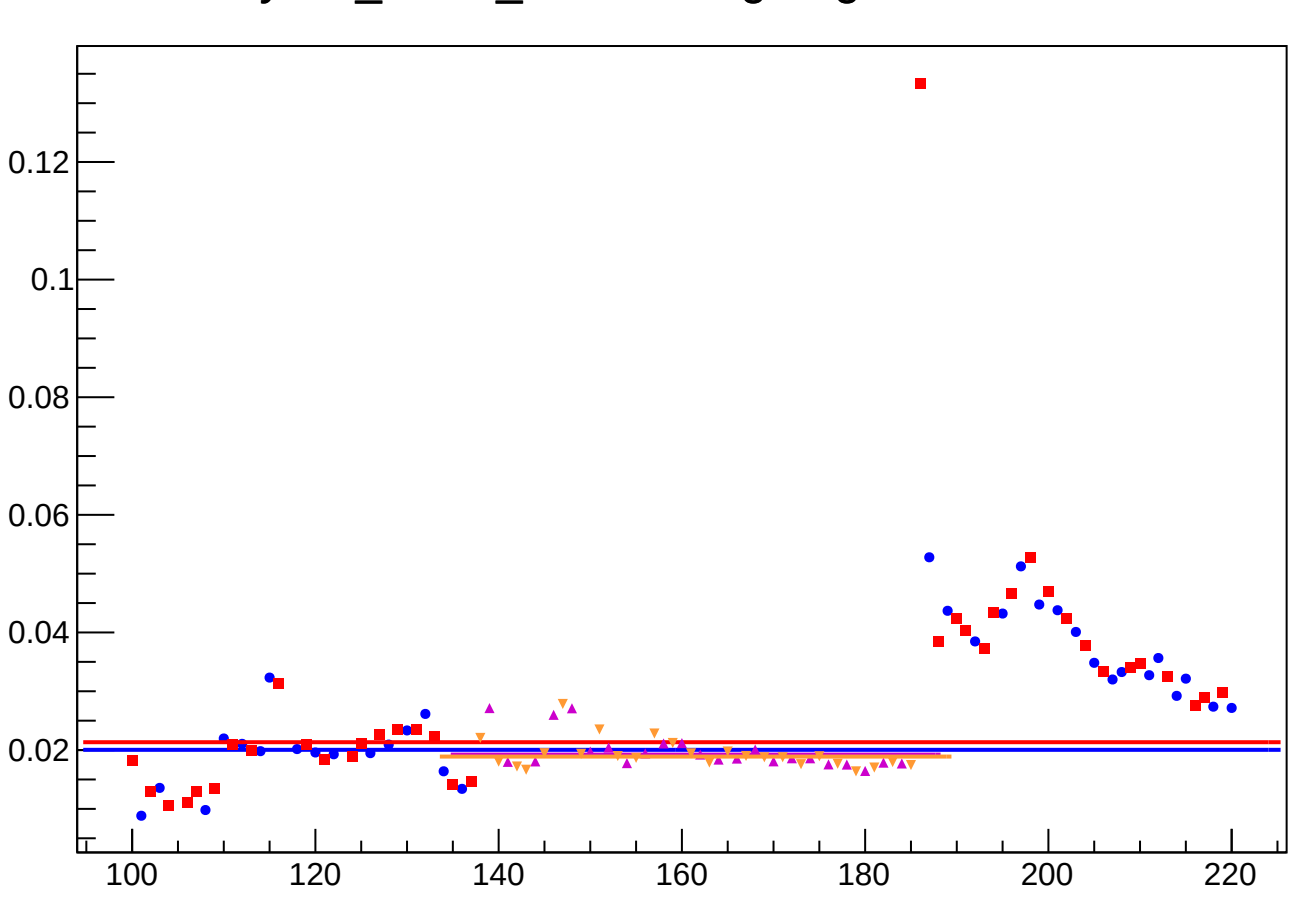
Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

Right: 10.373+/-0.000 χ^2/NDF: 36716058726.2/69

In: 9.669+/-0.000 χ^2/NDF:62474393507.6/55

Out: 9.626+/-0.000 χ^2/NDF:62197232816.4/61

All: 9.647+/-0.000 χ^2/NDF: 124746459675.8



Right In: 0.020+/-0.000 χ^2/NDF: 8672874.6/32

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.021+/-0.000 χ^2/NDF: 8279438.3/36

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

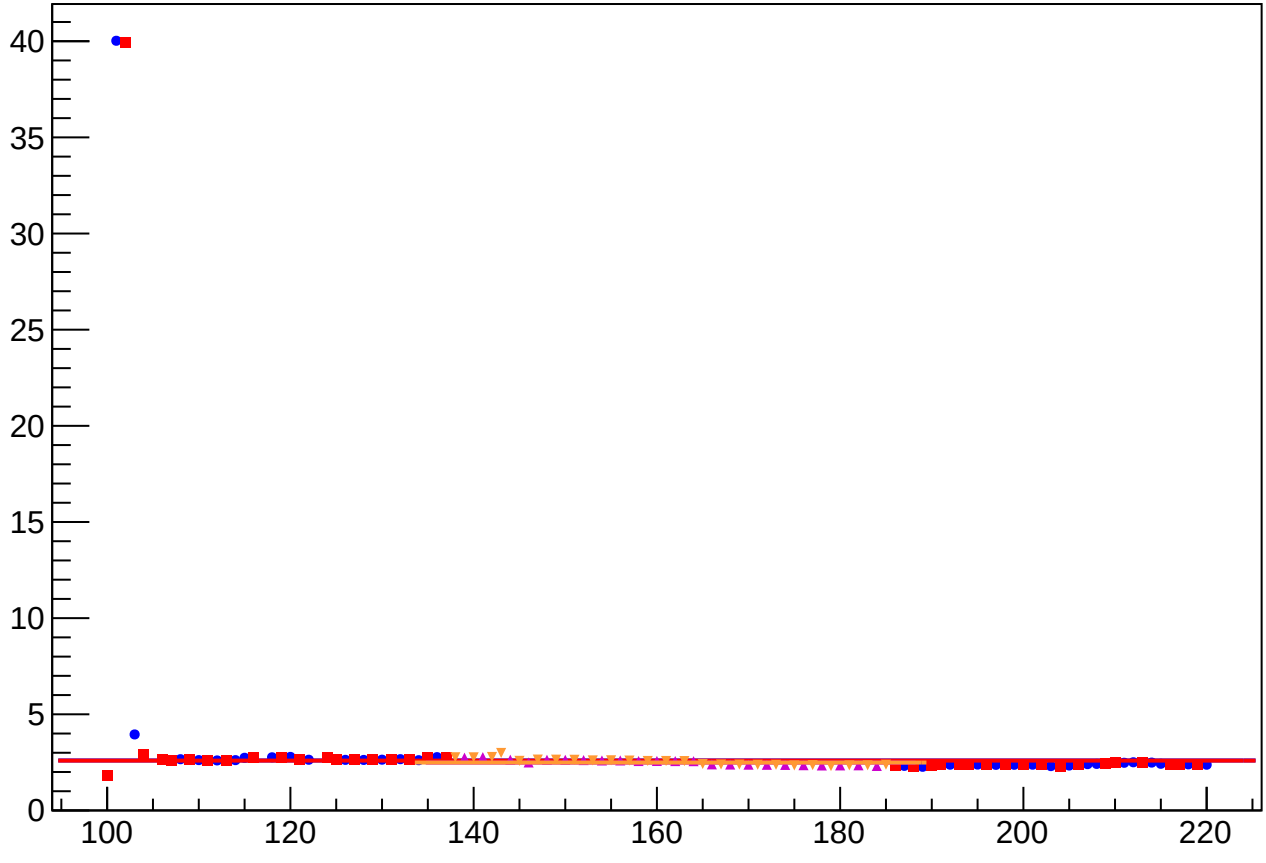
Right: 0.021+/-0.000 χ^2/NDF: 17014537.7/69

In: 0.020+/-0.000 χ^2/NDF:9240880.7/55

Out: 0.020+/-0.000 χ^2/NDF:8967528.4/61

All: 0.020+/-0.000 χ^2/NDF: 18216671.8/117

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.600+/-0.000 χ^2/NDF: 93570667159.7/32

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.592+/-0.000 χ^2/NDF: 90899825682.1/36

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

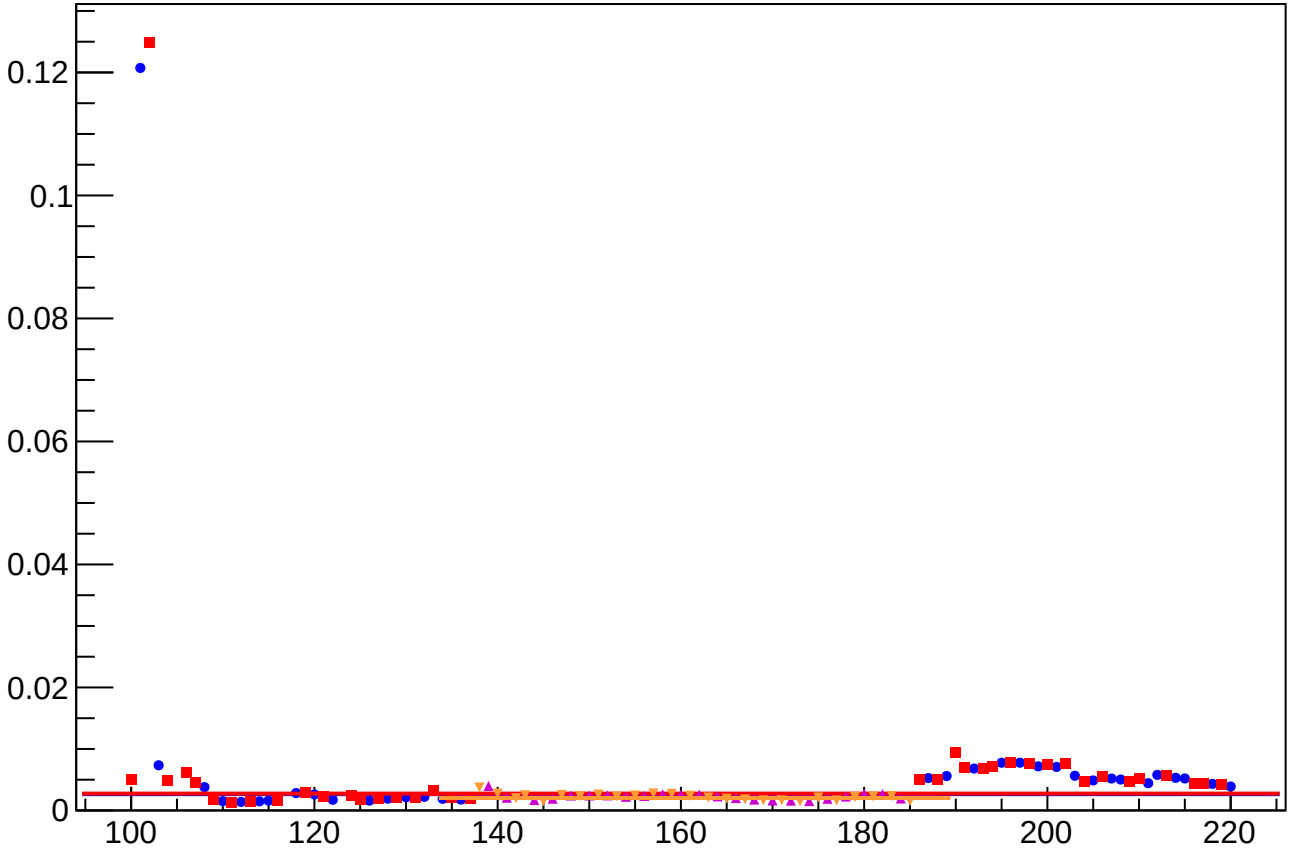
Right: 2.596+/-0.000 χ^2/NDF: 184536600171.3/69

In: 2.528+/-0.000 χ^2/NDF:170047128765.0/55

Out: 2.524+/-0.000 χ^2/NDF:195793490120.6/61

All: 2.526+/-0.000 χ^2/NDF: 365884088848.3

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11260646.3/32

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12069593.0/36

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

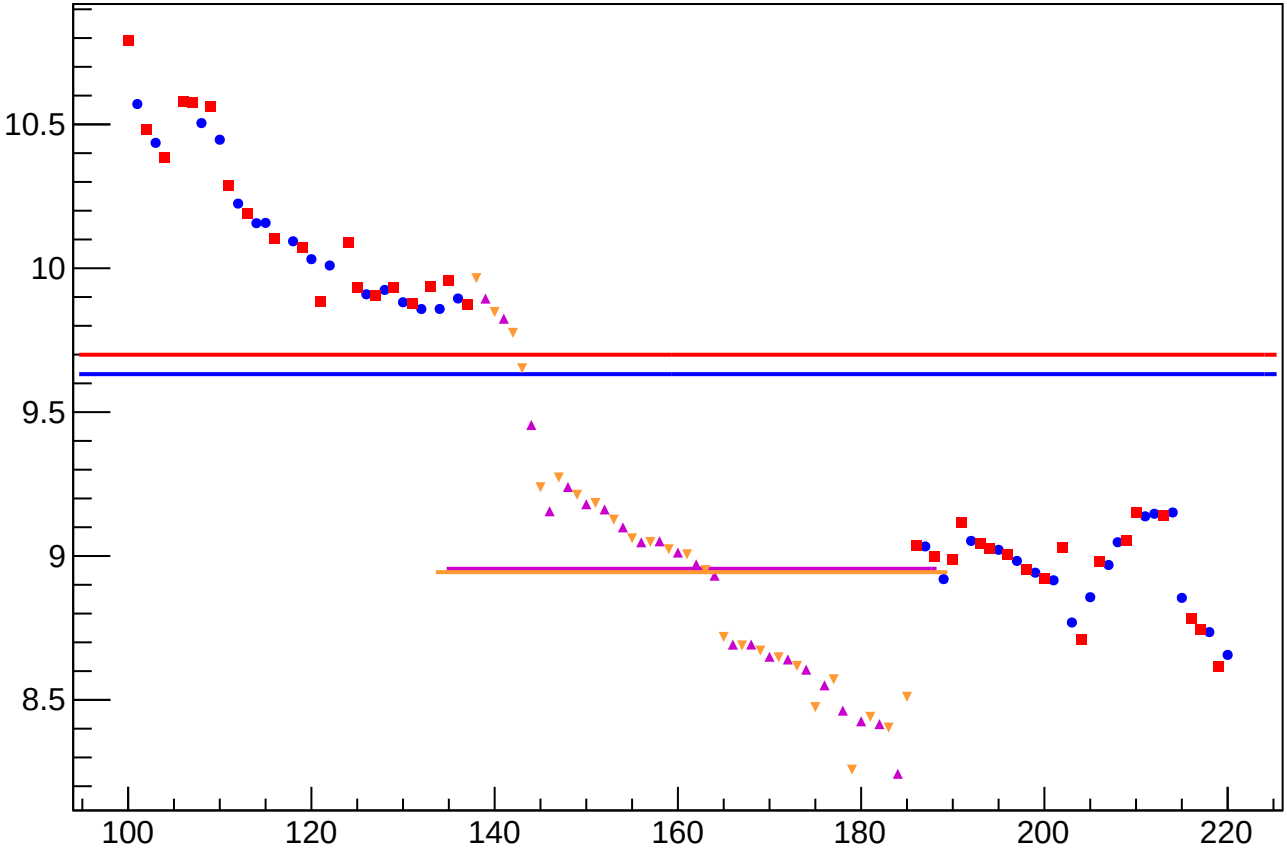
Right: 0.003+/-0.000 χ^2/NDF: 23345477.1/69

In: 0.002+/-0.000 χ^2/NDF:13497617.1/55

Out: 0.002+/-0.000 χ^2/NDF:14897241.2/61

All: 0.002+/-0.000 χ^2/NDF: 28396025.3/117

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.632+/-0.000 χ^2/NDF: 122759385845.0/32

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.700+/-0.000 χ^2/NDF: 131162306869.6/36

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

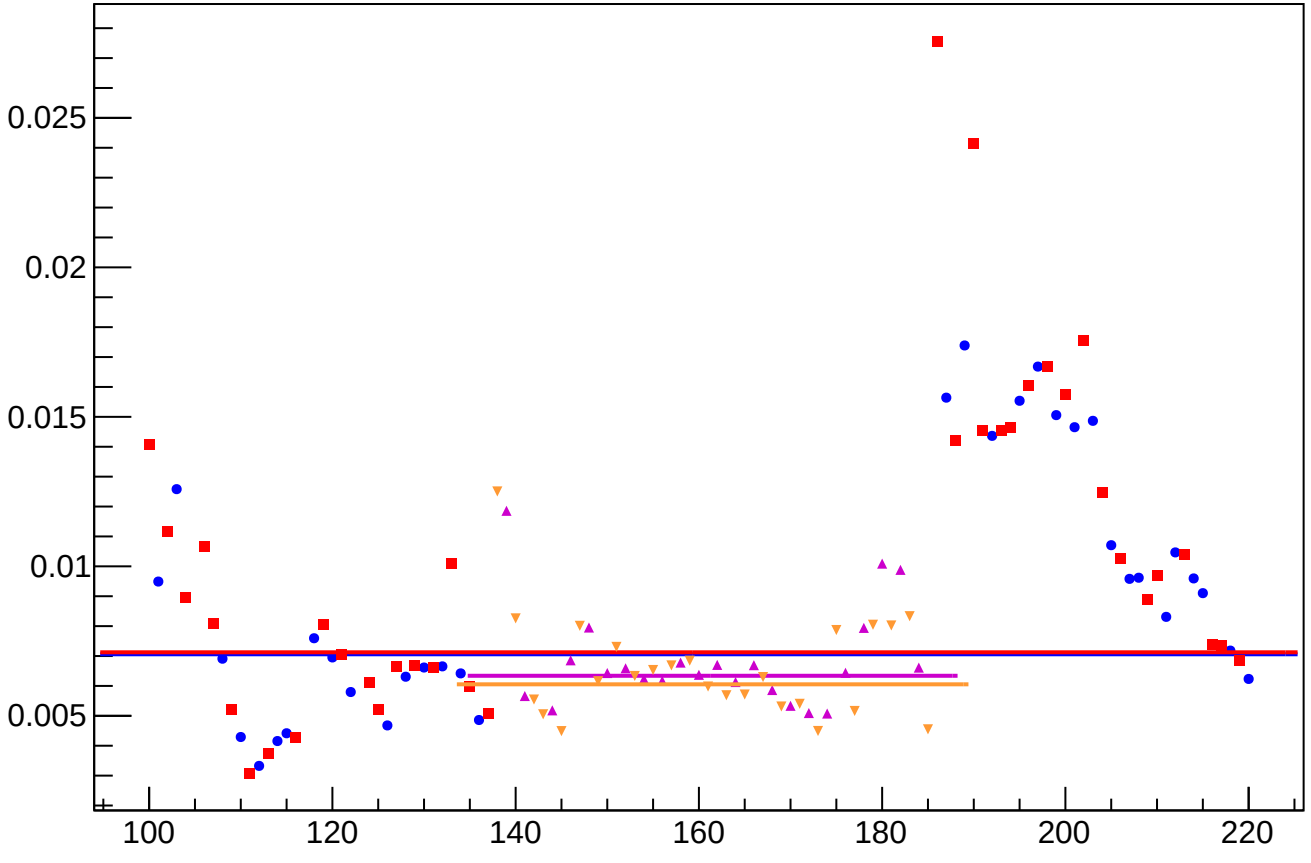
Right: 9.665+/-0.000 χ^2/NDF: 254642045301.8/69

In: 9.273+/-0.000 χ^2/NDF:252060725724.3/55

Out: 9.267+/-0.000 χ^2/NDF:298813505152.8/61

All: 9.270+/-0.000 χ^2/NDF: 550885318704.0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6730531.8/32

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8347375.2/36

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

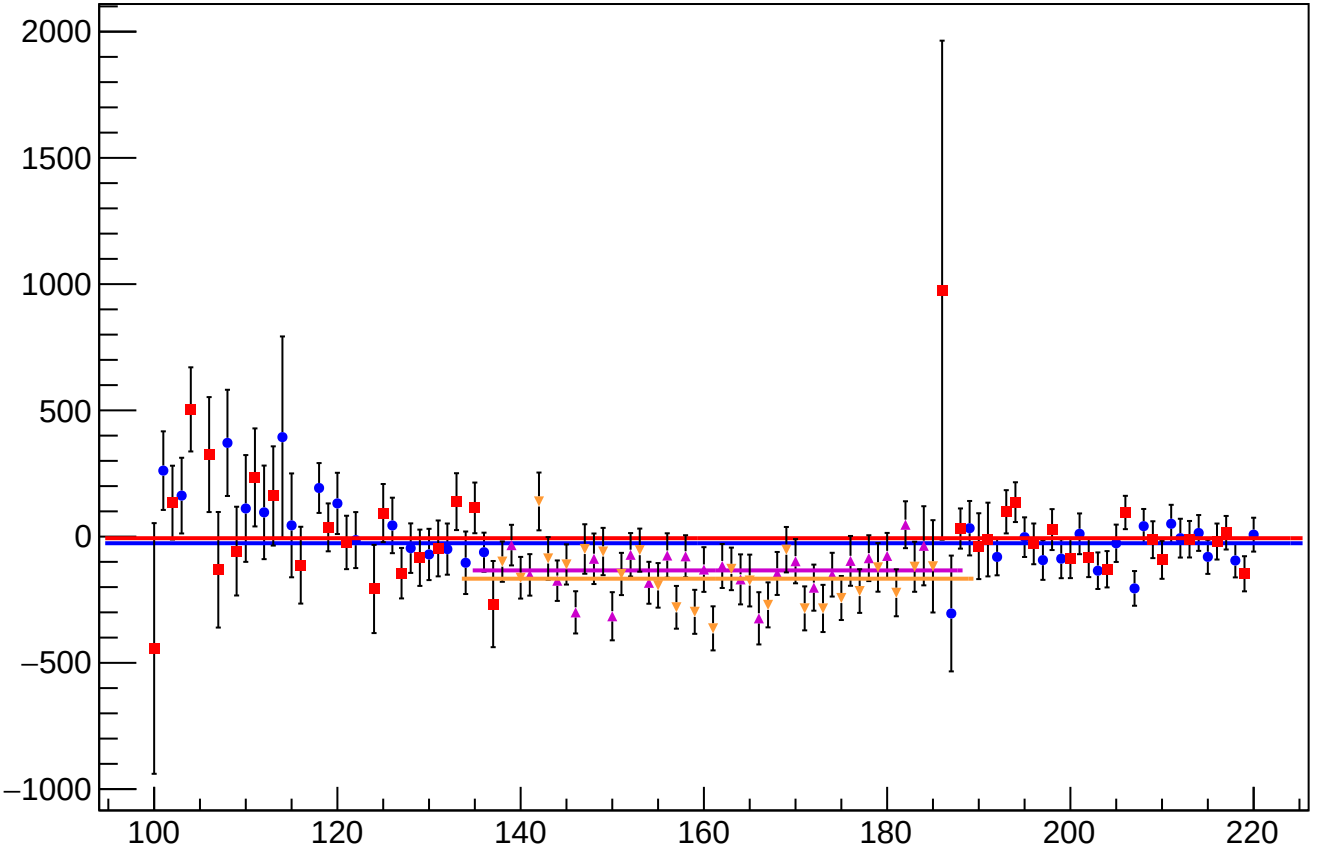
Right: 0.007+/-0.000 χ^2/NDF: 15079287.4/69

In: 0.007+/-0.000 χ^2/NDF:8081597.5/55

Out: 0.007+/-0.000 χ^2/NDF:10217518.0/61

All: 0.007+/-0.000 χ^2/NDF: 18318252.1/117

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -26.222+/-15.797 χ^2/NDF: 36.0/32

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -6.347+/-16.114 χ^2/NDF: 45.9/36

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

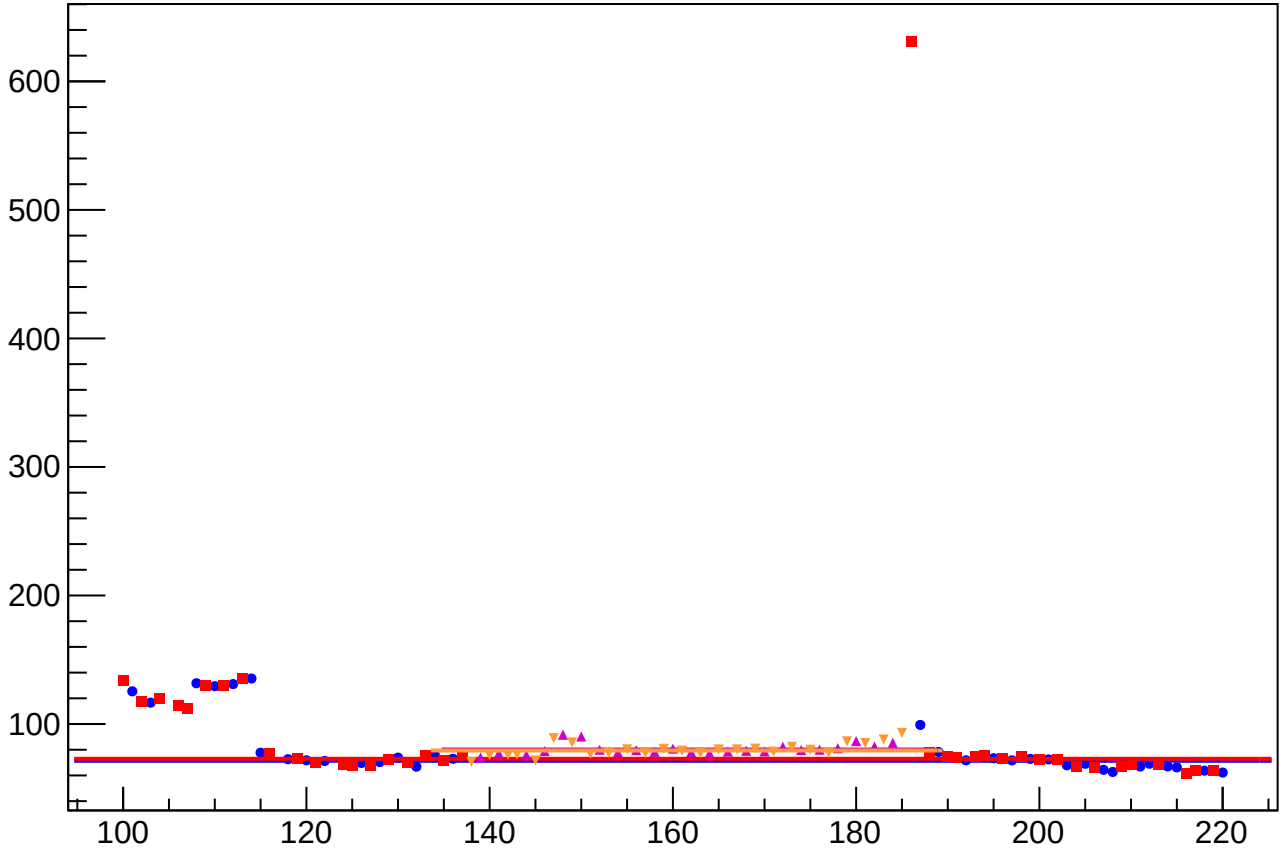
Right: -16.482+/-11.281 χ^2/NDF: 82.6/69

In: -70.885+/-12.083 χ^2/NDF:76.0/55

Out: -77.331+/-12.029 χ^2/NDF:121.3/61

All: -74.122+/-8.525 χ^2/NDF: 197.5/117

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 71.406+/-0.011 χ^2/NDF: 1200867.8/32

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 72.949+/-0.011 χ^2/NDF: 1940415.5/36

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

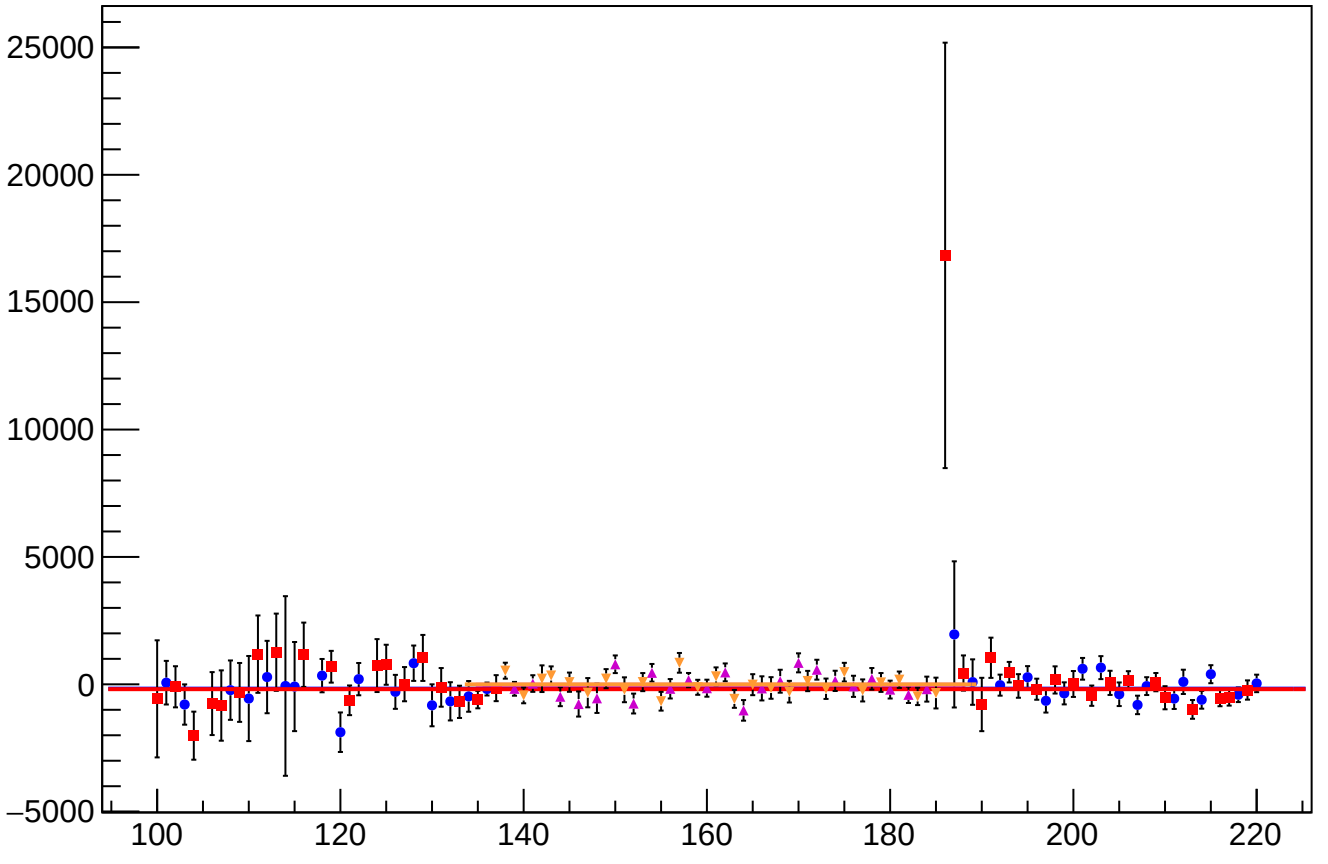
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 72.162+/-0.008 χ^2/NDF: 3150637.1/69

In: 75.039+/-0.009 χ^2/NDF:1547217.6/55

Out: 75.810+/-0.009 χ^2/NDF:2217561.9/61

All: 75.426+/-0.006 χ^2/NDF: 3768867.6/117



Right In: -170.290+/-85.188 χ^2/NDF: 29.7/32

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -190.475+/-88.342 χ^2/NDF: 36.8/36

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

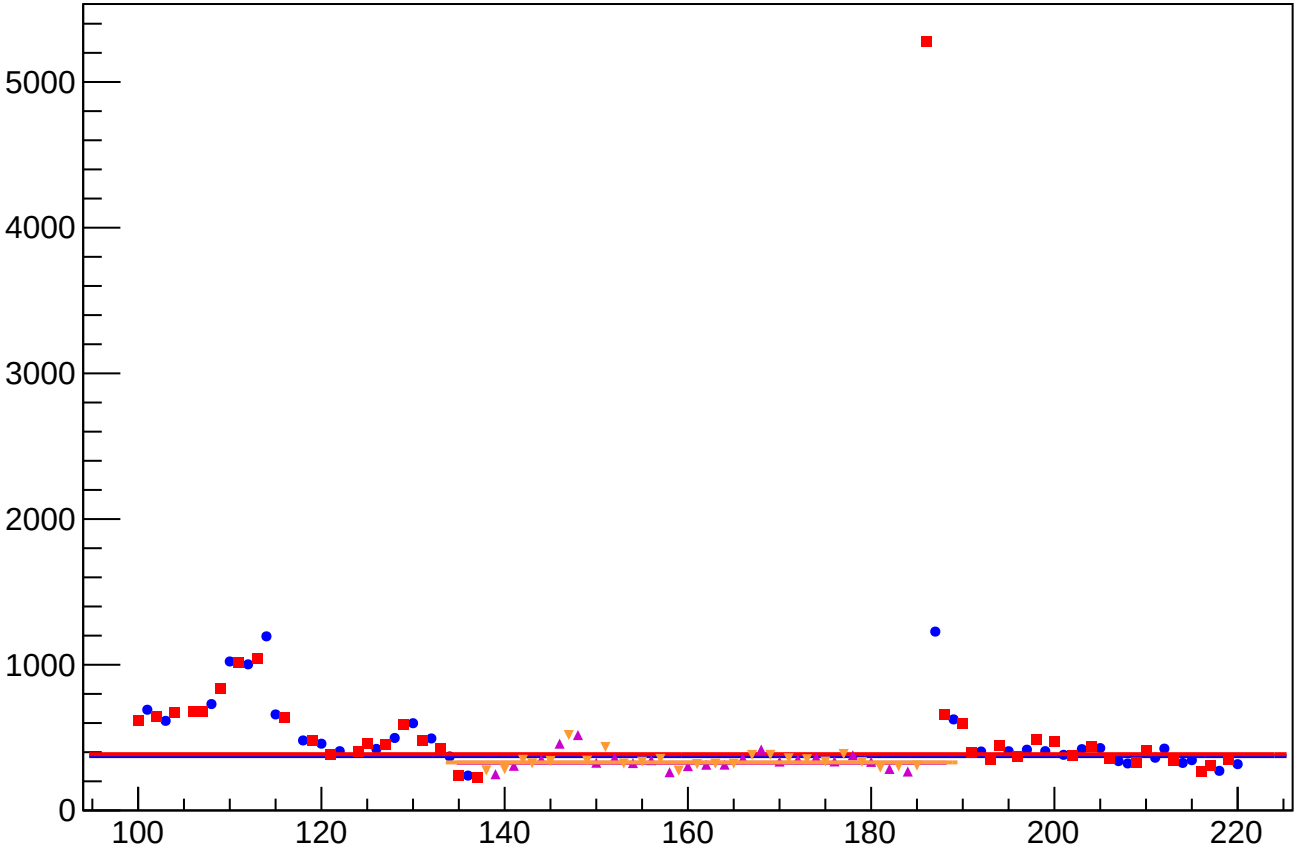
Right: -180.015+/-61.322 χ^2/NDF: 66.5/69

In: -87.714+/-57.343 χ^2/NDF:66.4/55

Out: -82.844+/-57.554 χ^2/NDF:63.4/61

All: -85.288+/-40.622 χ^2/NDF: 129.8/117

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 373.089+/-0.060 χ^2/NDF: 3299514.2/32

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 386.306+/-0.062 χ^2/NDF: 4276770.5/36

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

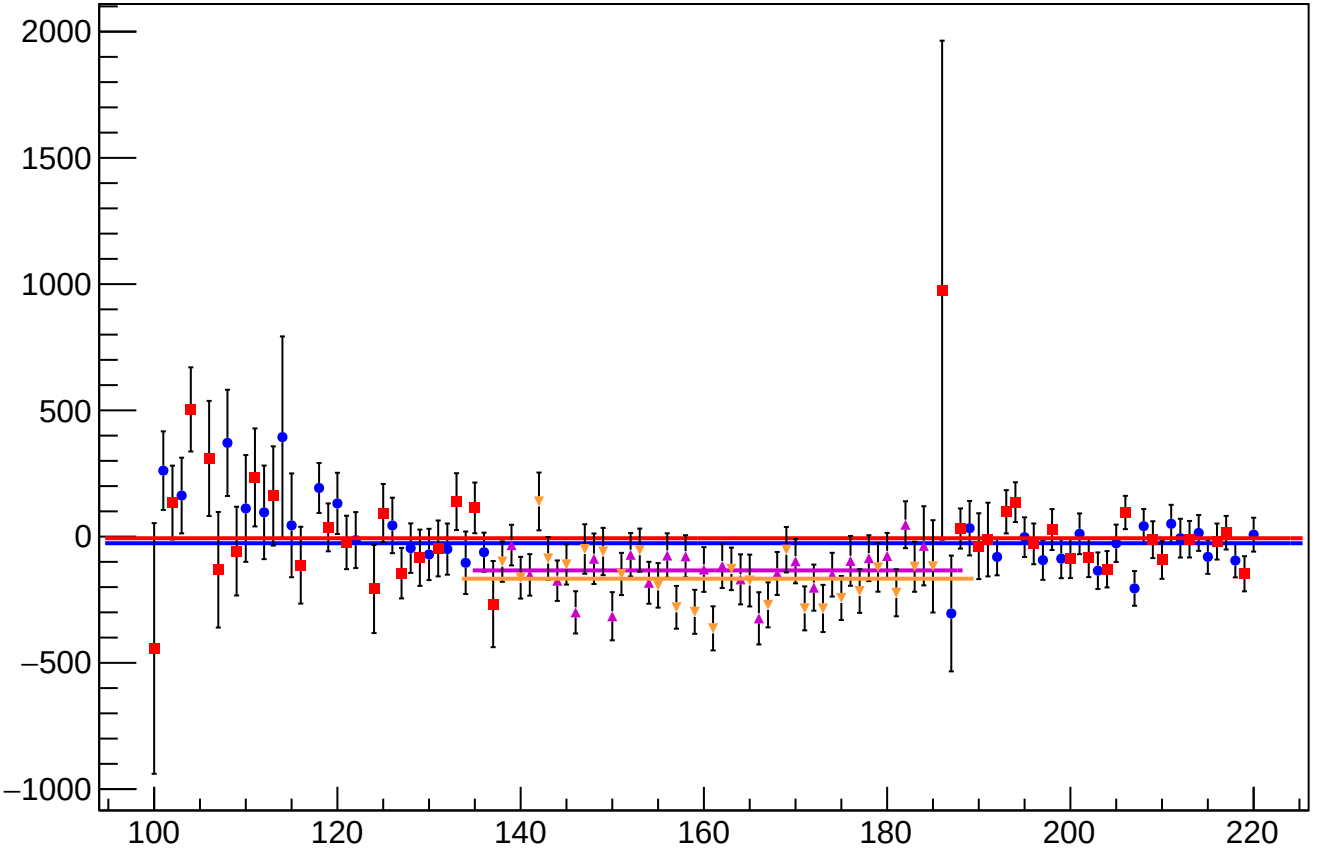
Right: 379.458+/-0.043 χ^2/NDF: 7599479.8/69

In: 347.864+/-0.041 χ^2/NDF:4519521.5/55

Out: 353.880+/-0.041 χ^2/NDF:5404169.4/61

All: 350.861+/-0.029 χ^2/NDF: 9934657.8/117

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -26.223+/-15.797 χ^2/NDF: 36.0/32

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -6.429+/-16.115 χ^2/NDF: 45.7/36

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

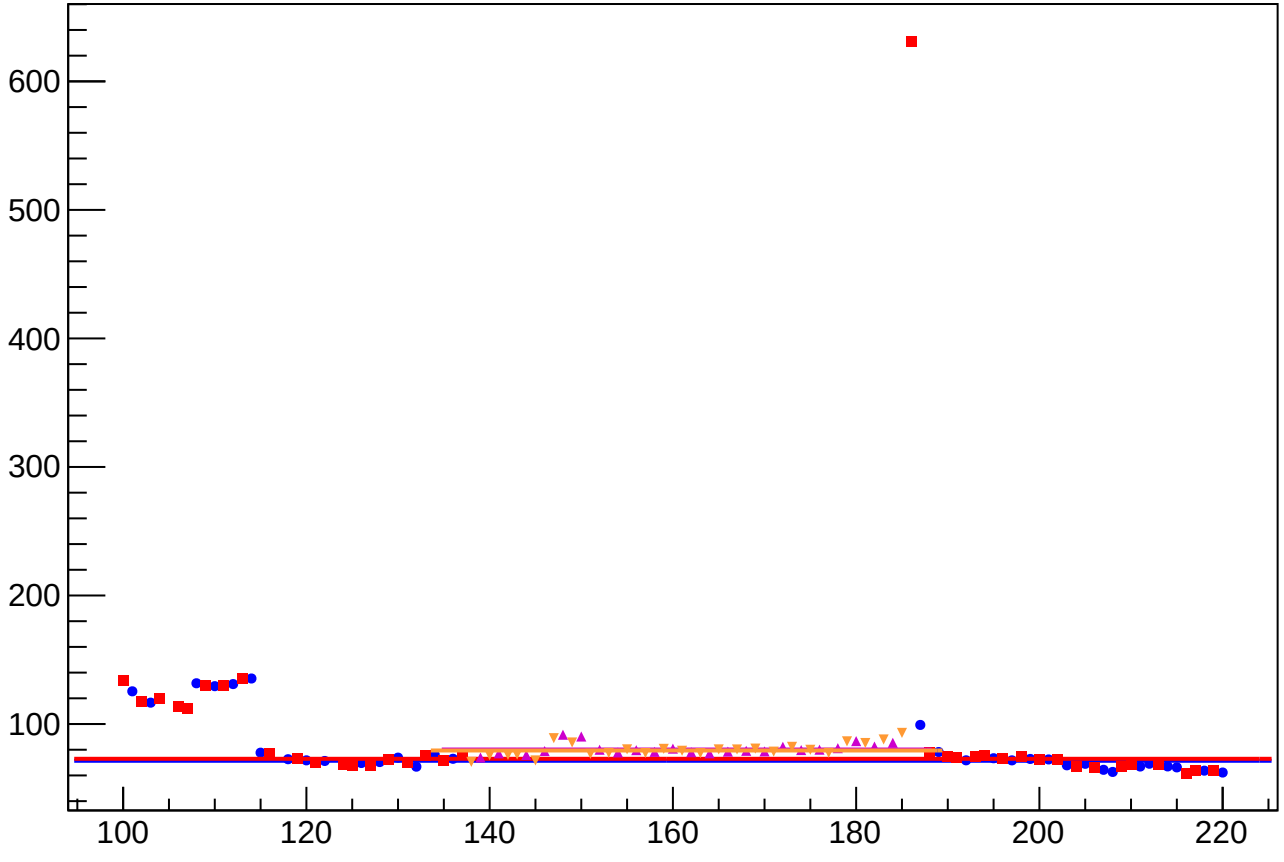
Right: -16.523+/-11.281 χ^2/NDF: 82.4/69

In: -70.888+/-12.083 χ^2/NDF:76.0/55

Out: -77.377+/-12.029 χ^2/NDF:121.1/61

All: -74.147+/-8.525 χ^2/NDF: 197.2/117

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 71.406+/-0.011 χ^2/NDF: 1200868.0/32

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

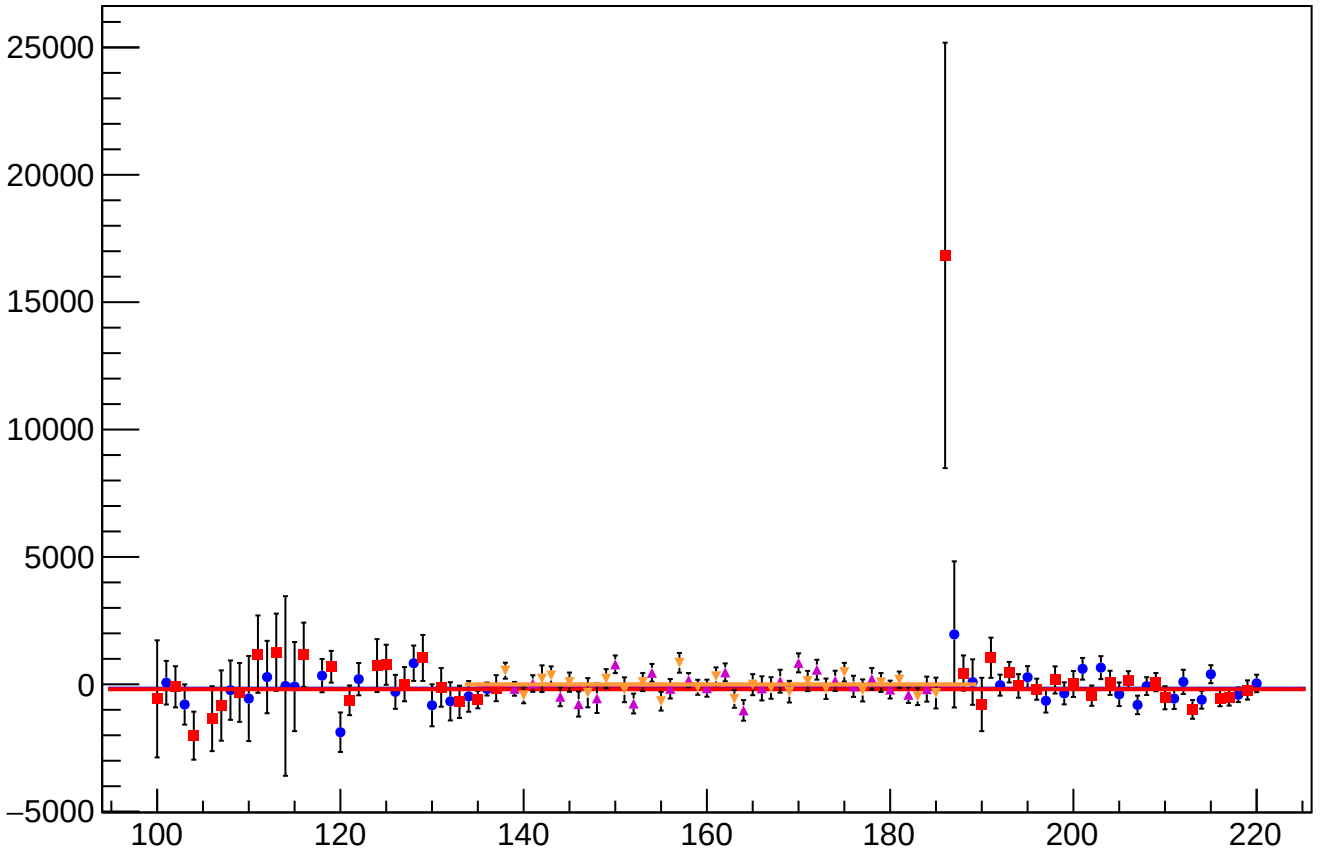
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.160+/-0.008 χ^2/NDF: 3148141.8/69

In: 75.039+/-0.009 χ^2/NDF:1547217.9/55

Out: 75.808+/-0.009 χ^2/NDF:2215300.9/61

All: 75.425+/-0.006 χ^2/NDF: 3766582.4/117



Right In: -170.296+/-85.188 χ^2/NDF: 29.7/32

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -193.149+/-88.356 χ^2/NDF: 37.4/36

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

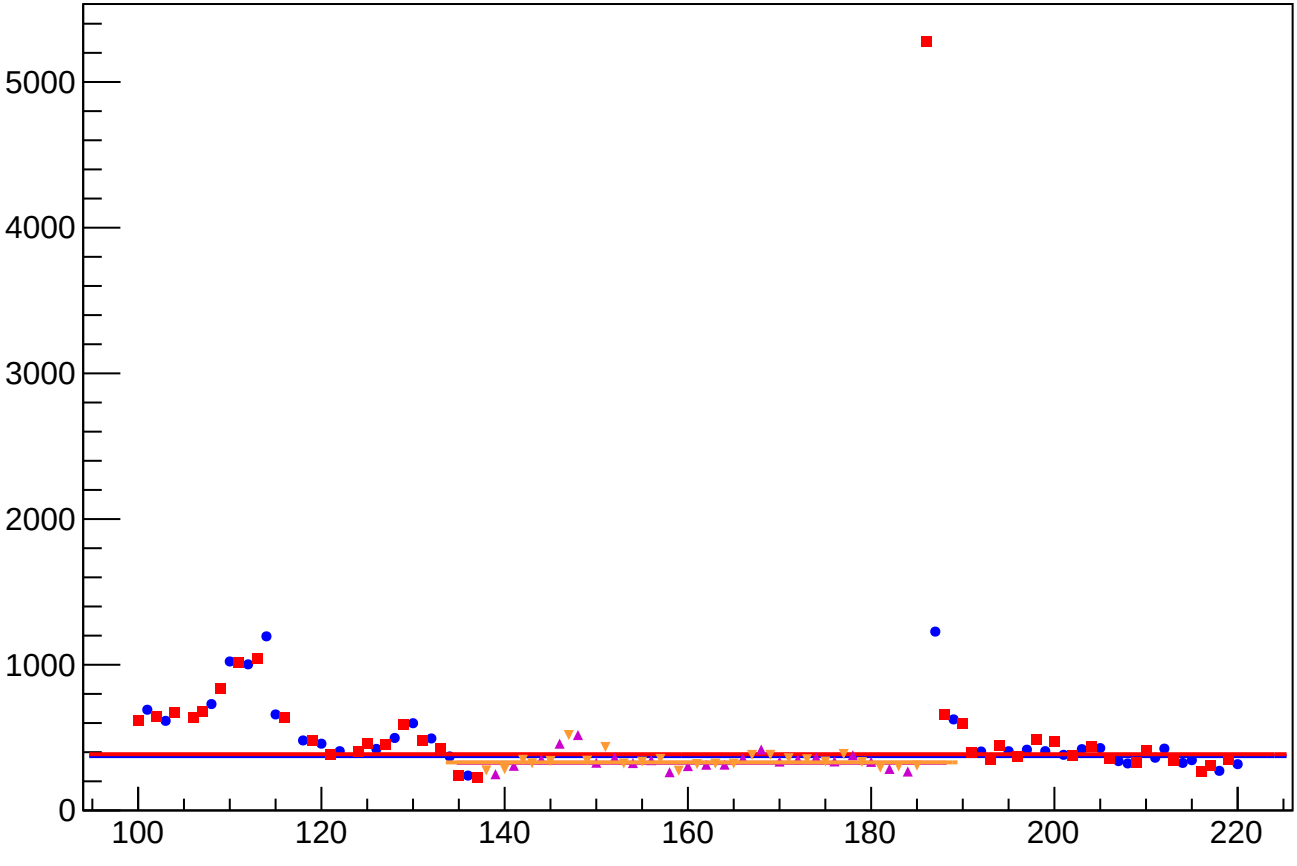
Right: -181.305+/-61.326 χ^2/NDF: 67.1/69

In: -87.720+/-57.343 χ^2/NDF:66.4/55

Out: -83.965+/-57.558 χ^2/NDF:64.1/61

All: -85.850+/-40.623 χ^2/NDF: 130.5/117

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 373.089+/-0.060 χ^2/NDF: 3299516.5/32

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

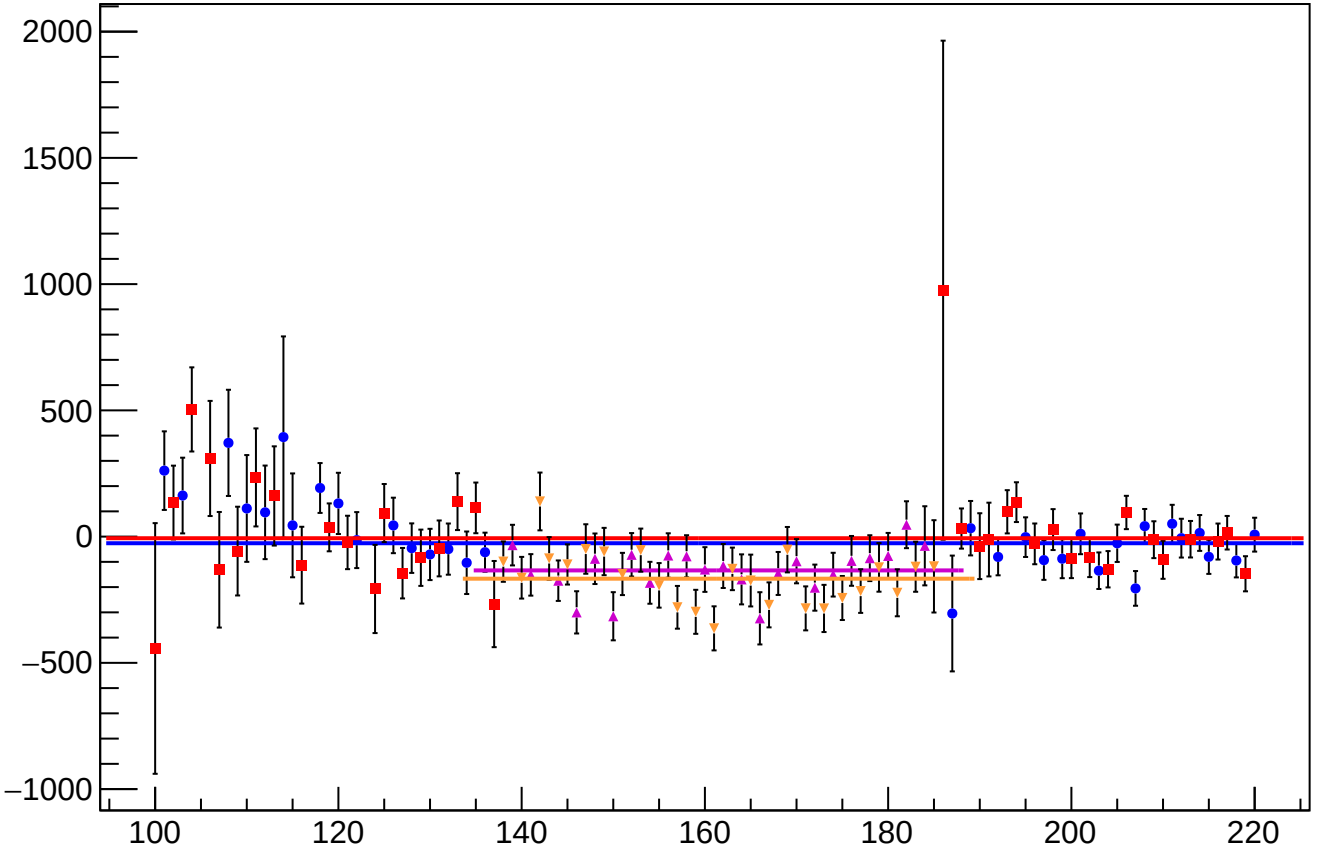
Right: 379.322+/-0.043 χ^2/NDF: 7565251.1/69

In: 347.864+/-0.041 χ^2/NDF:4519526.1/55

Out: 353.757+/-0.041 χ^2/NDF:5366217.8/61

All: 350.799+/-0.029 χ^2/NDF: 9896268.1/117

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -26.223+/-15.797 χ^2/NDF: 36.0/32

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -6.429+/-16.115 χ^2/NDF: 45.7/36

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

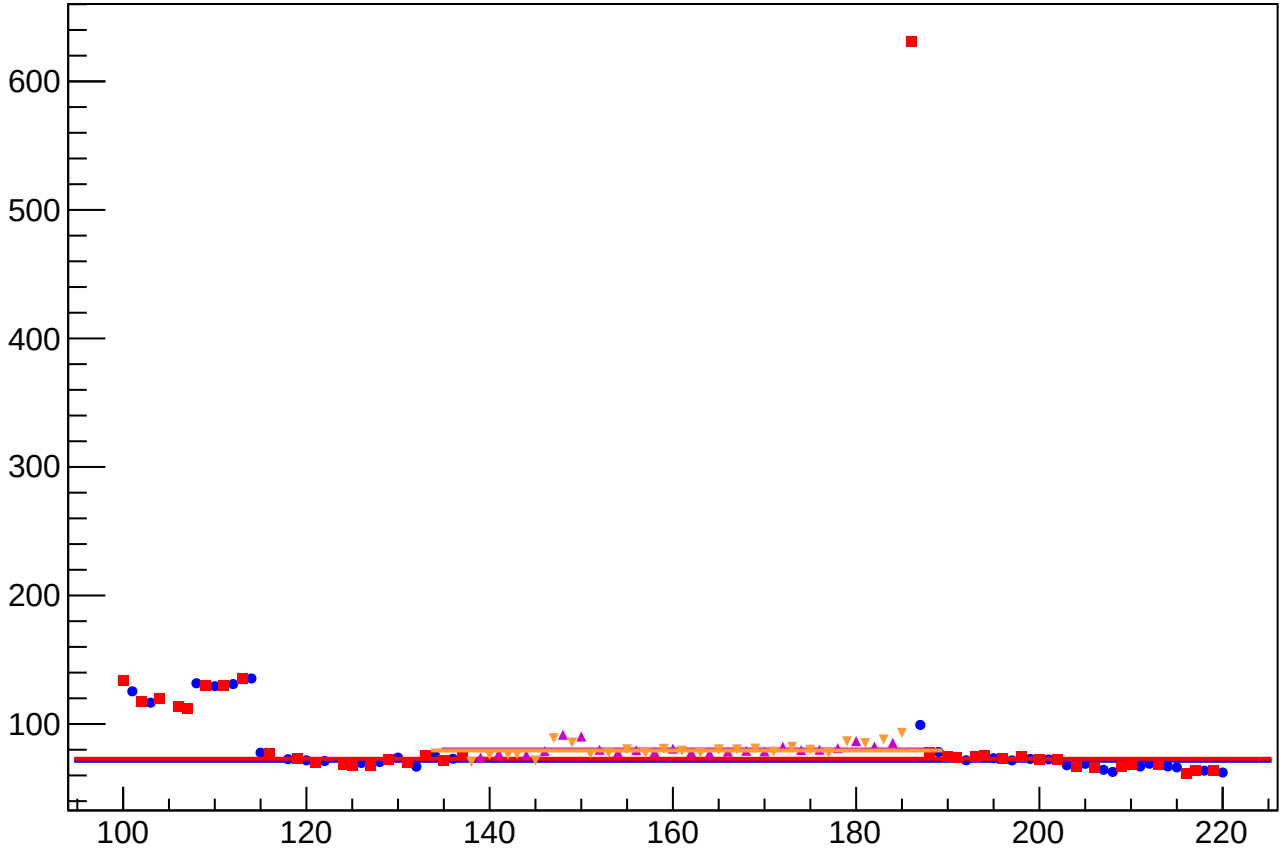
Right: -16.523+/-11.281 χ^2/NDF: 82.4/69

In: -70.888+/-12.083 χ^2/NDF:76.0/55

Out: -77.377+/-12.029 χ^2/NDF:121.1/61

All: -74.147+/-8.525 χ^2/NDF: 197.2/117

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 71.406+/-0.011 χ^2/NDF: 1200868.0/32

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

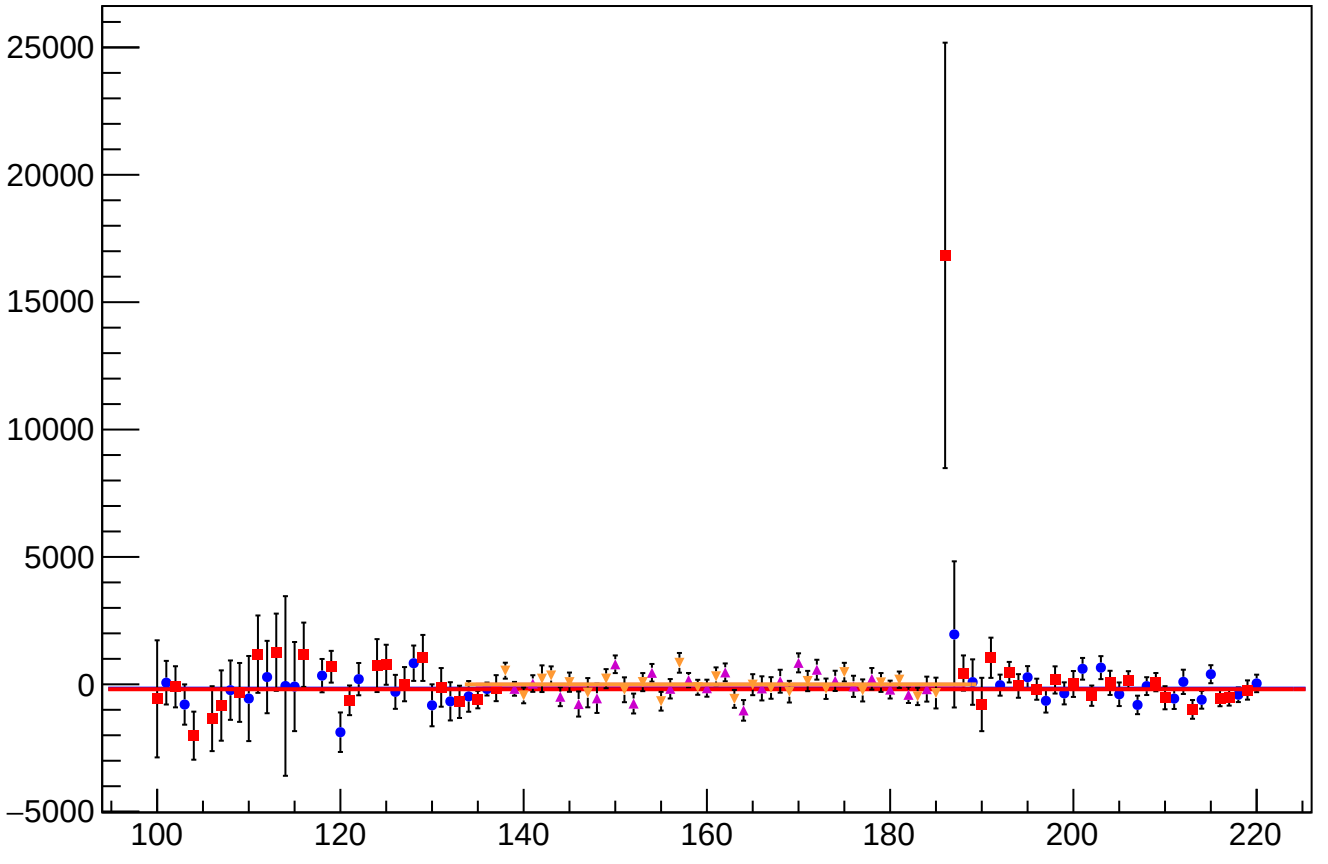
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 72.160+/-0.008 χ^2/NDF: 3148141.8/69

In: 75.039+/-0.009 χ^2/NDF:1547217.9/55

Out: 75.808+/-0.009 χ^2/NDF:2215300.9/61

All: 75.425+/-0.006 χ^2/NDF: 3766582.4/117



Right In: -170.296+/-85.188 χ^2/NDF: 29.7/32

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -193.149+/-88.356 χ^2/NDF: 37.4/36

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

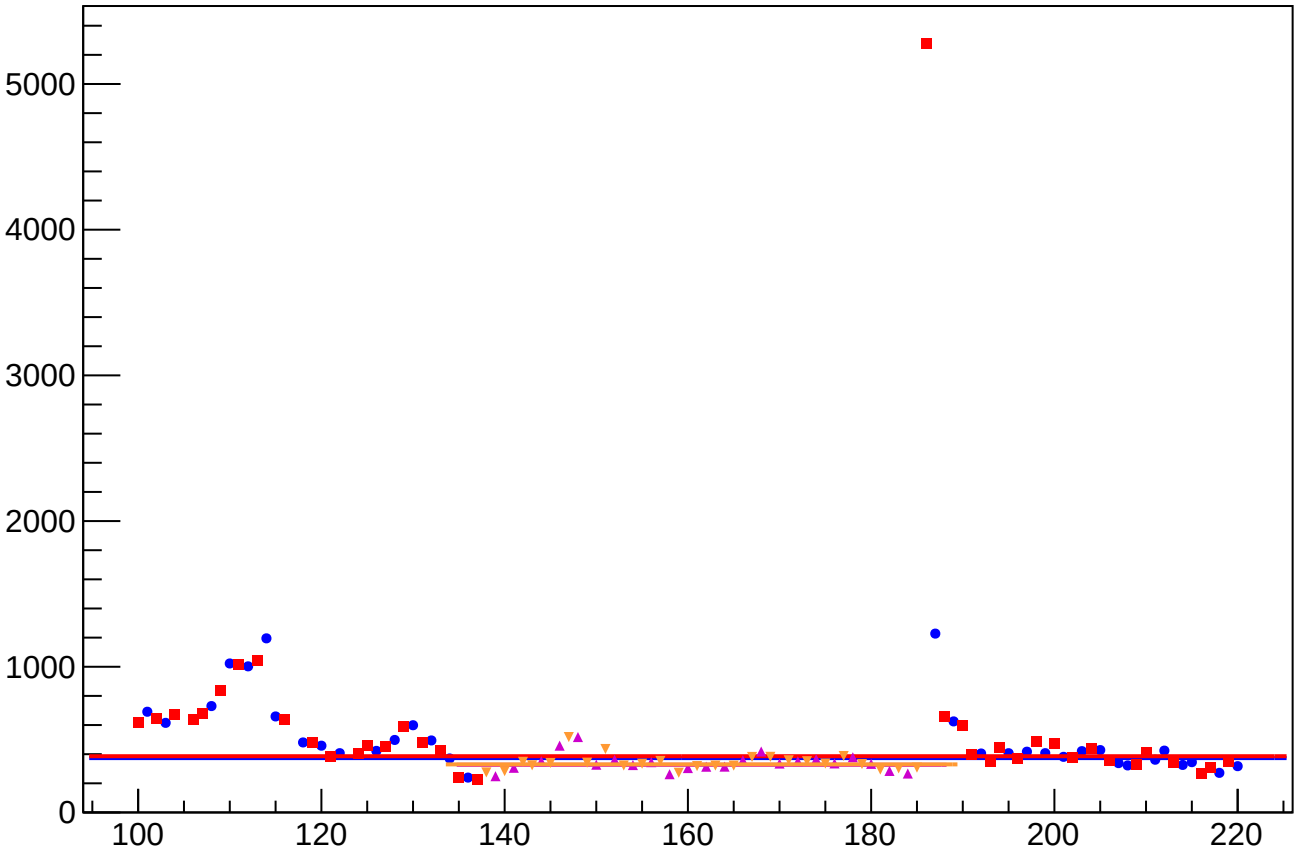
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -181.305+/-61.326 χ^2/NDF: 67.1/69

In: -87.720+/-57.343 χ^2/NDF:66.4/55

Out: -83.965+/-57.558 χ^2/NDF:64.1/61

All: -85.850+/-40.623 χ^2/NDF: 130.5/117



Right In: 373.089+/-0.060 χ^2/NDF: 3299516.5/32

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

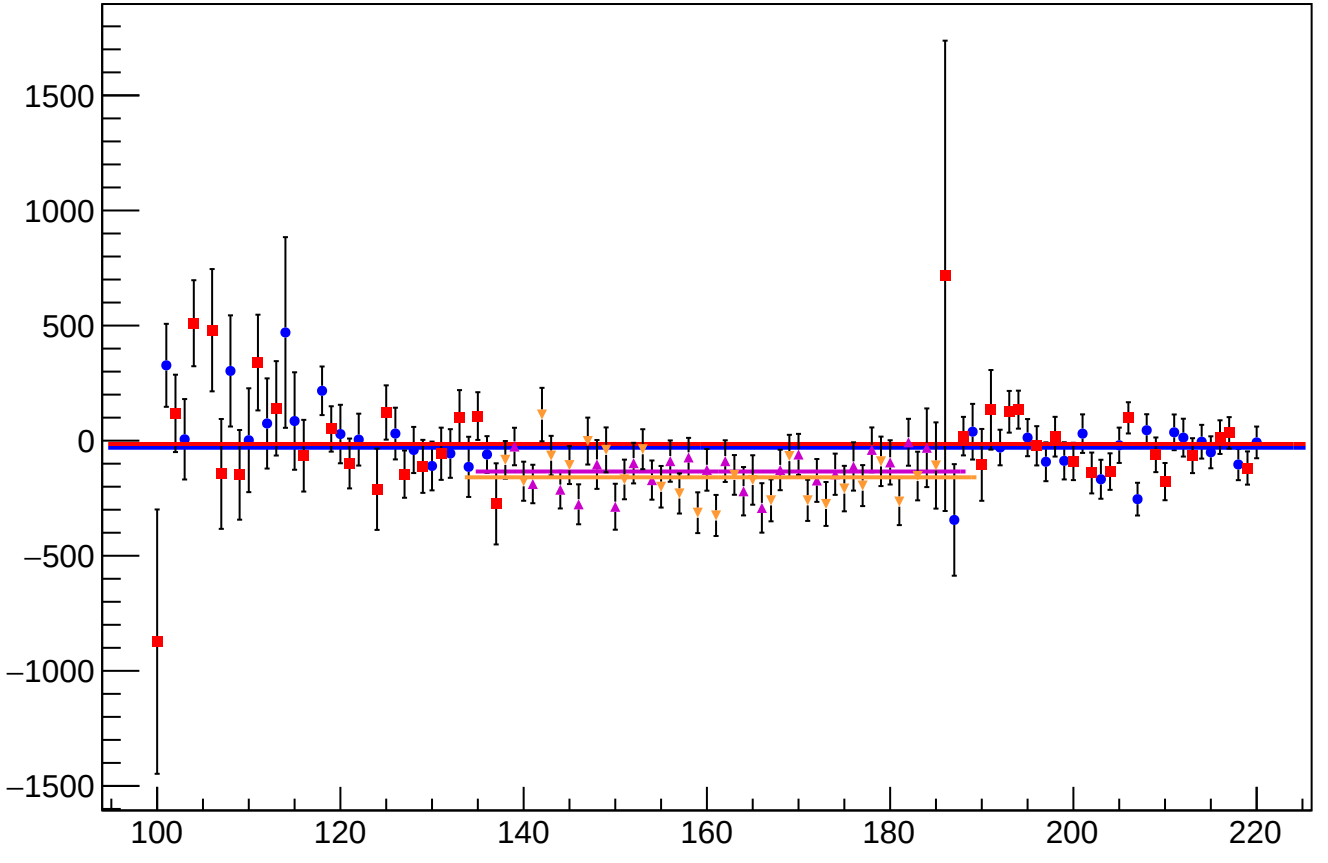
Right: 379.322+/-0.043 χ^2/NDF: 7565251.1/69

In: 347.864+/-0.041 χ^2/NDF:4519526.1/55

Out: 353.757+/-0.041 χ^2/NDF:5366217.8/61

All: 350.799+/-0.029 χ^2/NDF: 9896268.1/117

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -30.681+/-16.555 χ^2/NDF: 35.3/32

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -14.424+/-17.001 χ^2/NDF: 52.4/36

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

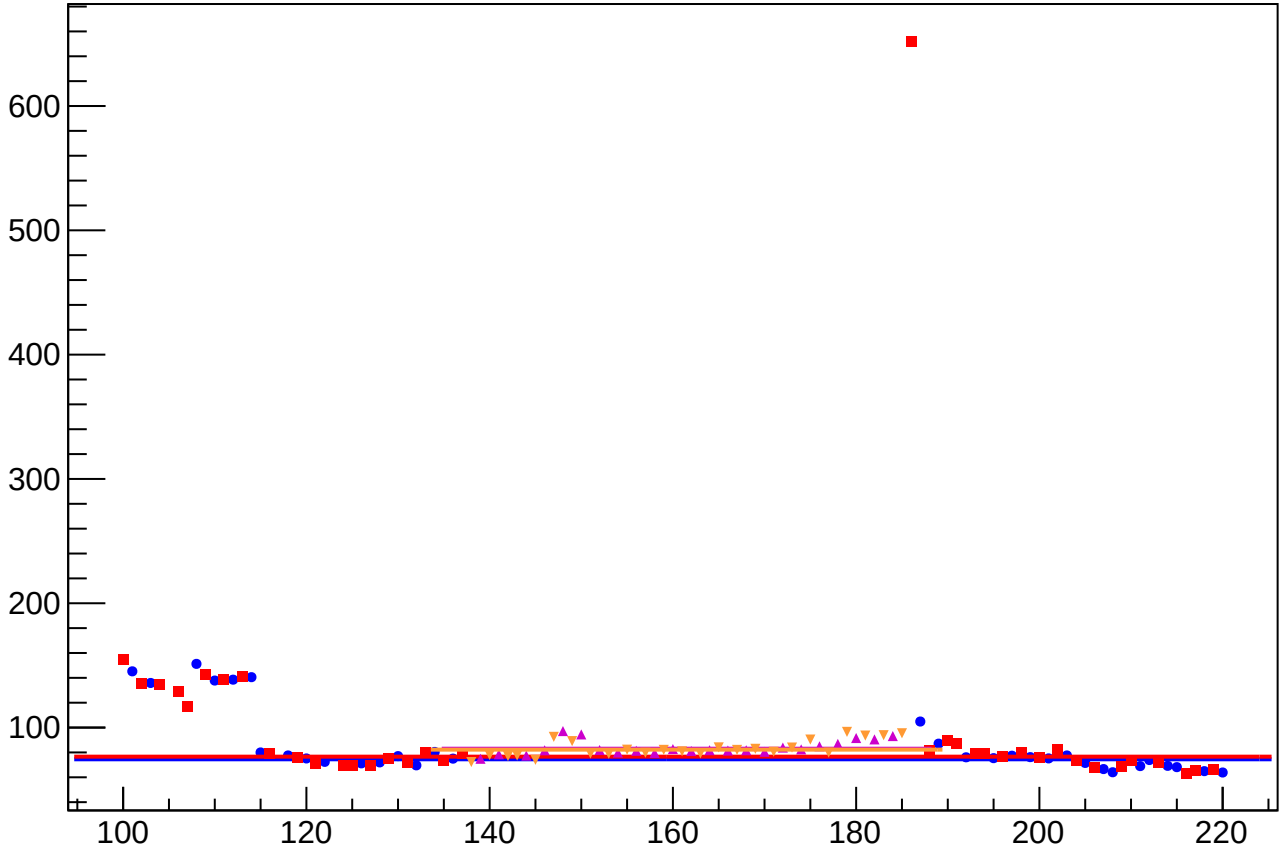
Right: -22.768+/-11.861 χ^2/NDF: 88.1/69

In: -74.115+/-12.604 χ^2/NDF:68.1/55

Out: -79.759+/-12.594 χ^2/NDF:113.3/61

All: -76.939+/-8.909 χ^2/NDF: 181.5/117

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 74.481+/-0.012 χ^2/NDF: 1452377.7/32

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 76.601+/-0.012 χ^2/NDF: 2162068.4/36

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

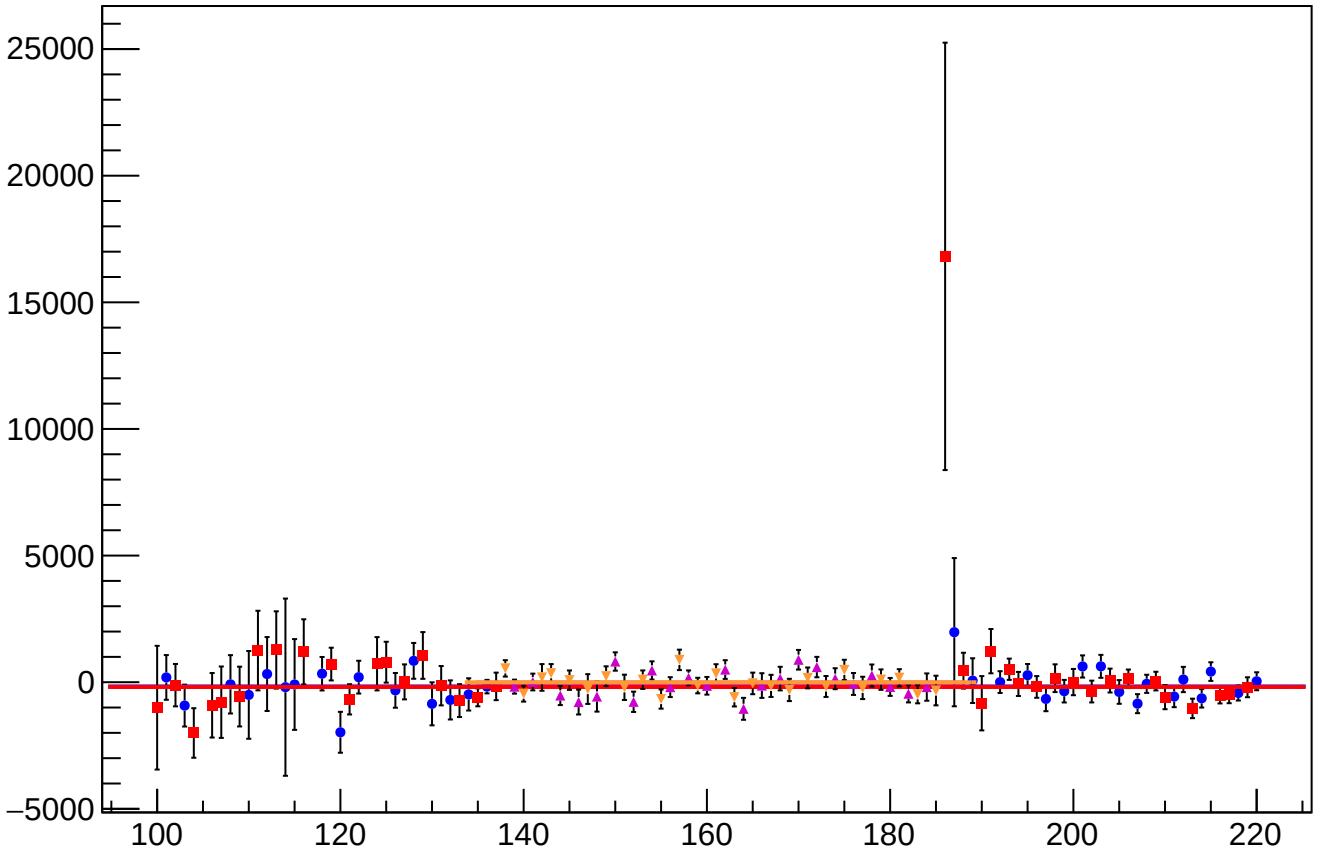
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 75.513+/-0.008 χ^2/NDF: 3630395.5/69

In: 78.059+/-0.009 χ^2/NDF:1820203.5/55

Out: 79.148+/-0.009 χ^2/NDF:2478166.9/61

All: 78.604+/-0.006 χ^2/NDF: 4305842.1/117



Right In: -168.963+/-87.974 χ^2/NDF: 29.9/32

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -188.120+/-91.538 χ^2/NDF: 36.1/36

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

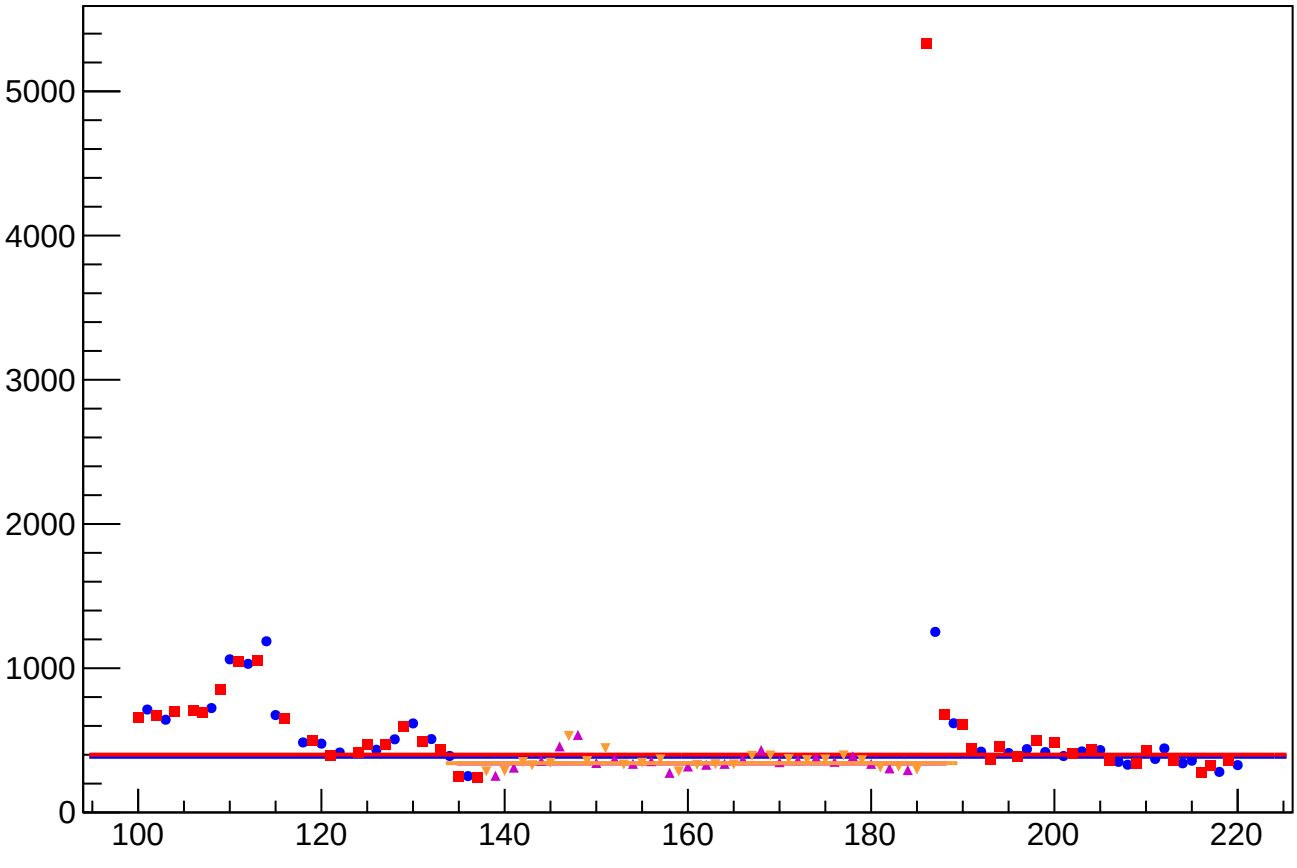
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -178.161+/-63.430 χ^2/NDF: 66.0/69

In: -85.906+/-59.353 χ^2/NDF:66.5/55

Out: -81.598+/-59.625 χ^2/NDF:62.0/61

All: -83.762+/-42.065 χ^2/NDF: 128.4/117



Right In: 386.032+/-0.062 χ^2/NDF: 3176302.3/32

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 400.844+/-0.065 χ^2/NDF: 4166719.3/36

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

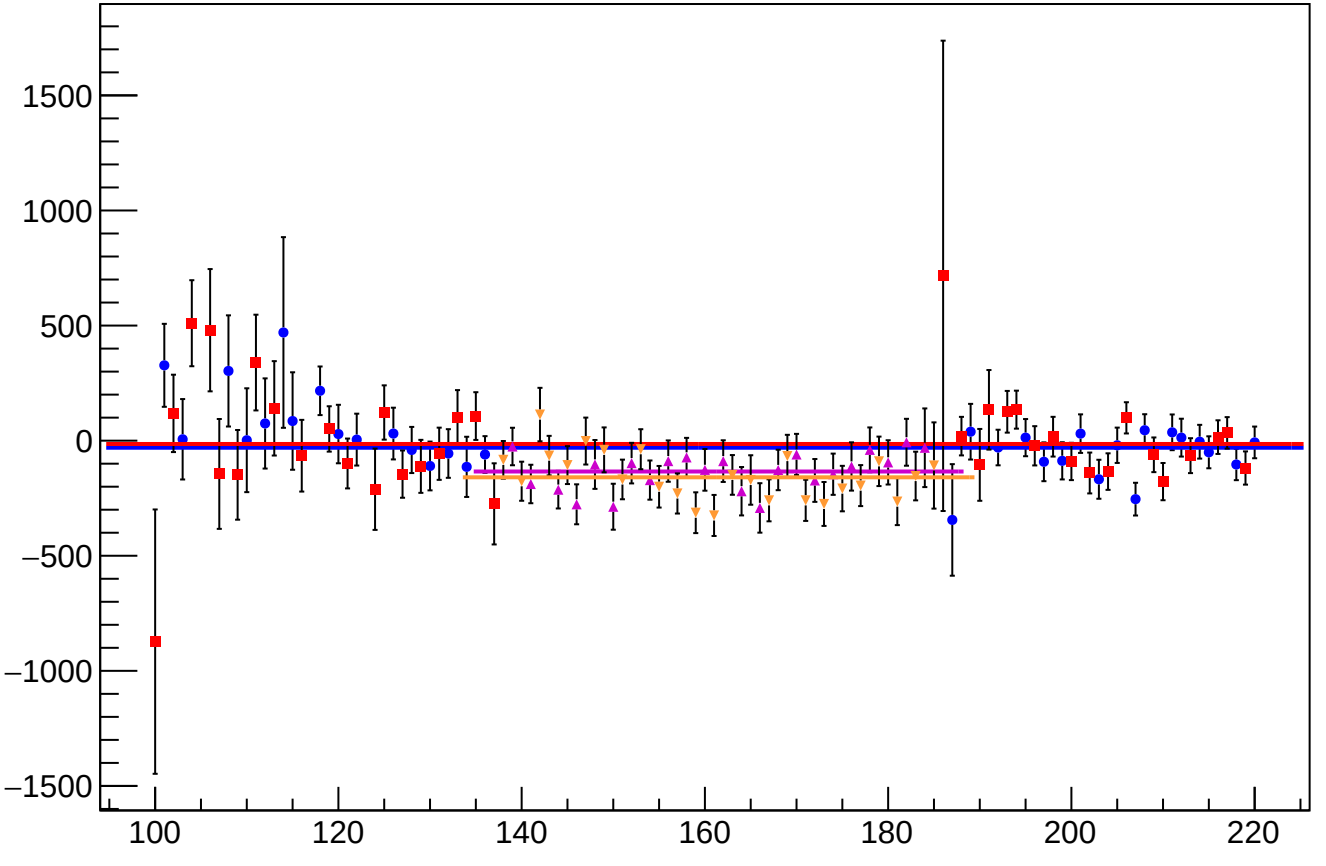
Right: 393.144+/-0.045 χ^2/NDF: 7370243.9/69

In: 360.642+/-0.042 χ^2/NDF:4328783.0/55

Out: 366.919+/-0.042 χ^2/NDF:5297806.4/61

All: 363.766+/-0.030 χ^2/NDF: 9637724.9/117

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -30.680+/-16.555 χ^2/NDF: 35.3/32

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -14.425+/-17.001 χ^2/NDF: 52.4/36

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

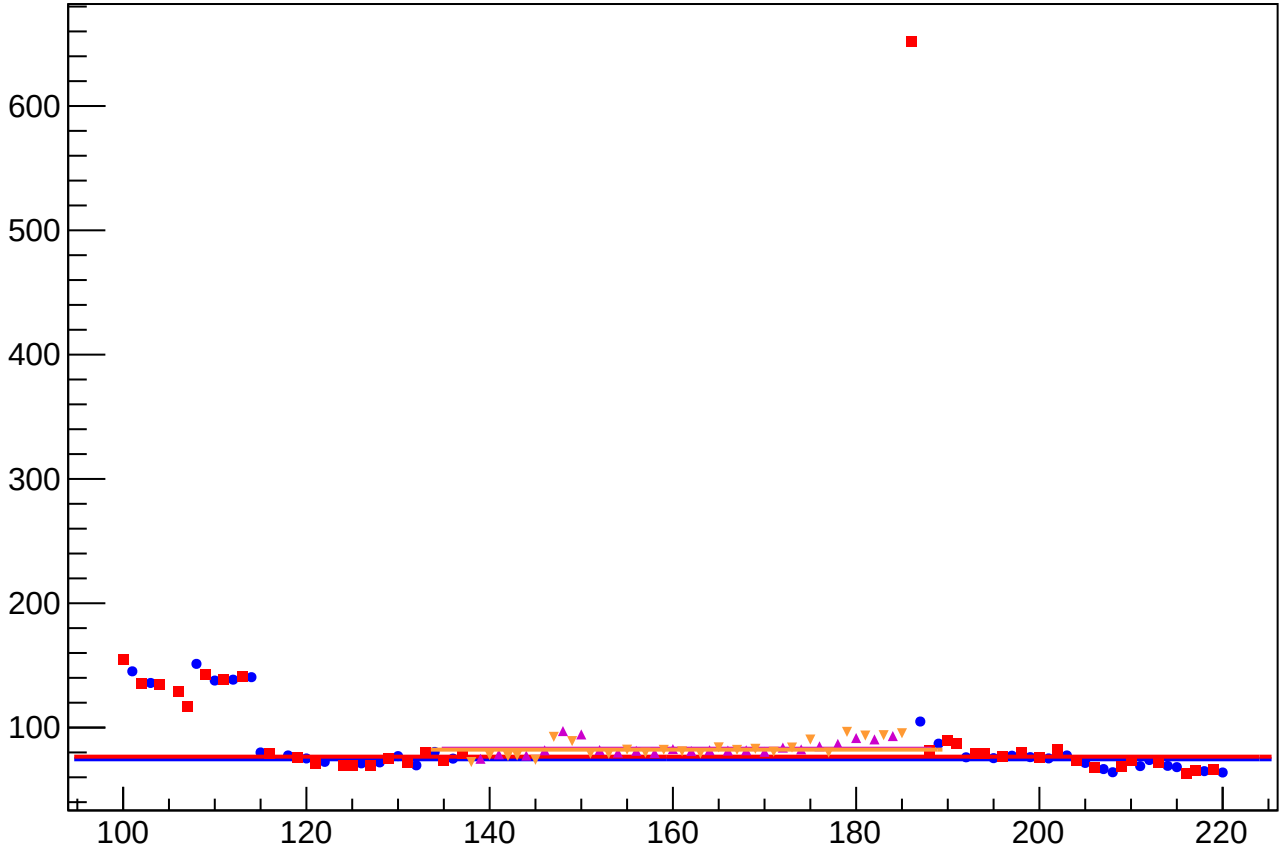
Right: -22.768+/-11.861 χ^2/NDF: 88.1/69

In: -74.115+/-12.604 χ^2/NDF:68.1/55

Out: -79.759+/-12.594 χ^2/NDF:113.3/61

All: -76.939+/-8.909 χ^2/NDF: 181.5/117

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 74.481+/-0.012 χ^2/NDF: 1452378.3/32

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 76.600+/-0.012 χ^2/NDF: 2162068.8/36

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

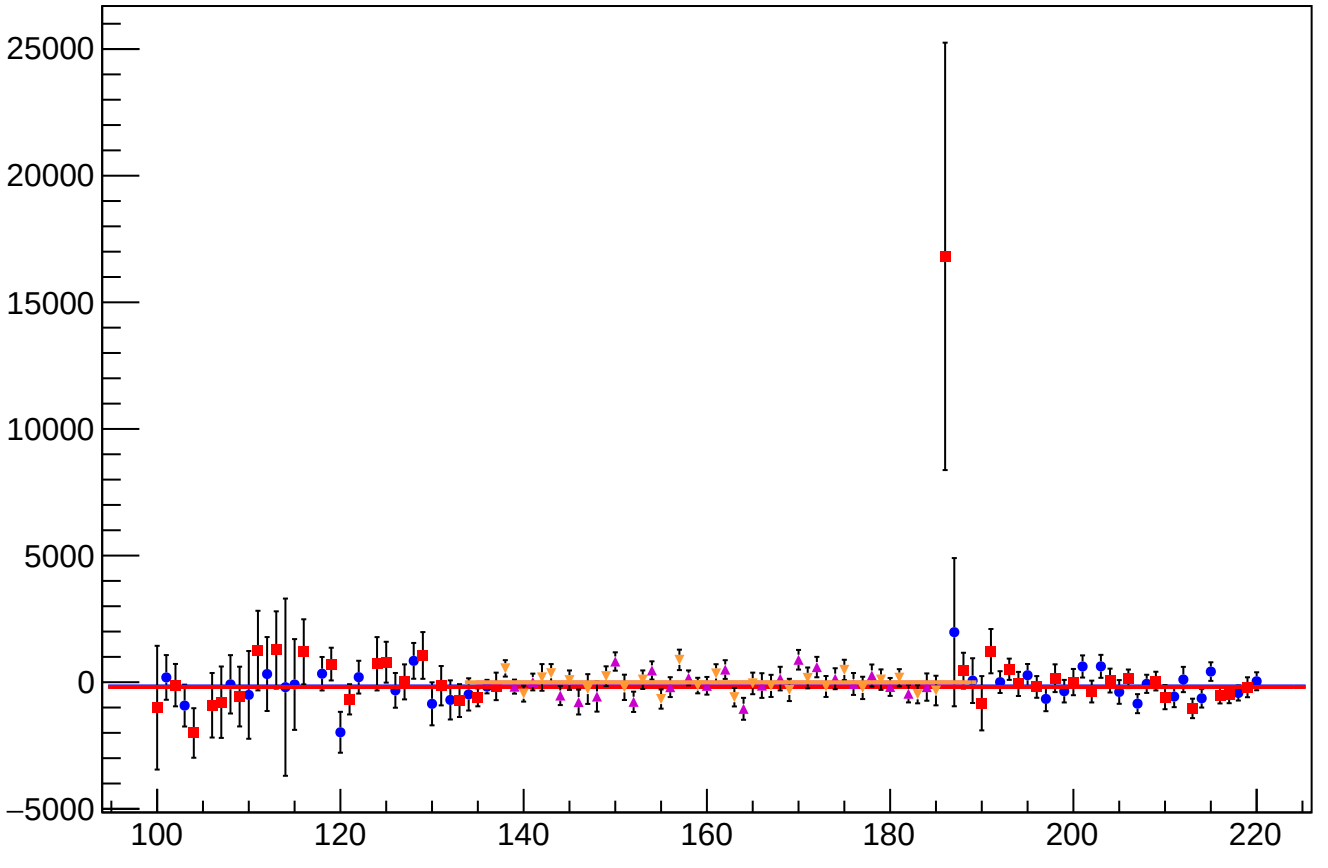
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 75.513+/-0.008 χ^2/NDF: 3630396.1/69

In: 78.059+/-0.009 χ^2/NDF:1820208.0/55

Out: 79.148+/-0.009 χ^2/NDF:2478172.4/61

All: 78.604+/-0.006 χ^2/NDF: 4305852.0/117



Right In: -168.961+/-87.974 χ^2/NDF: 29.9/32

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -188.121+/-91.537 χ^2/NDF: 36.1/36

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

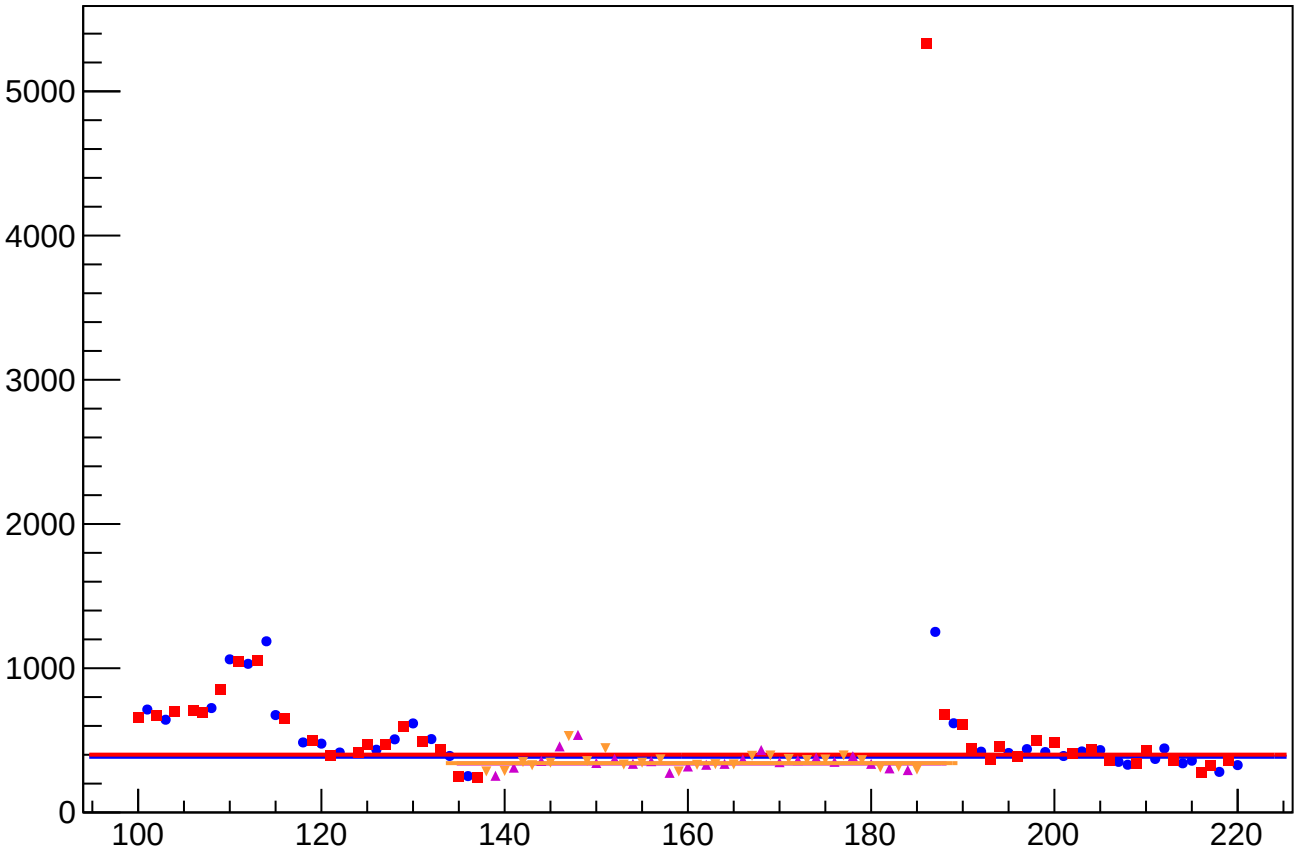
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -178.161+/-63.429 χ^2/NDF: 66.0/69

In: -85.905+/-59.353 χ^2/NDF:66.5/55

Out: -81.598+/-59.625 χ^2/NDF:62.0/61

All: -83.761+/-42.064 χ^2/NDF: 128.4/117



Right In: 386.031+/-0.062 χ^2/NDF: 3176306.3/32

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 400.843+/-0.065 χ^2/NDF: 4166726.5/36

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

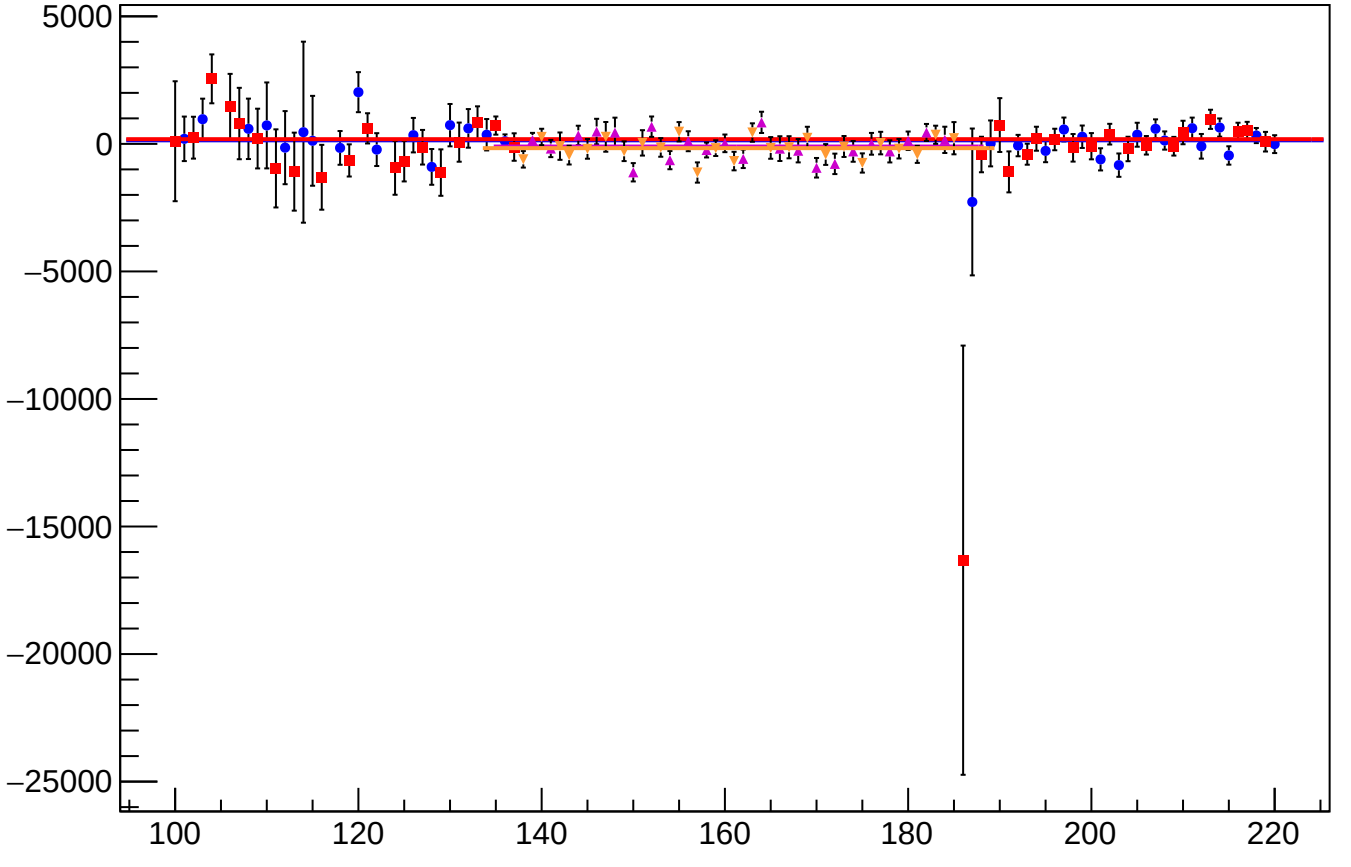
Right: 393.143+/-0.045 χ^2/NDF: 7370254.7/69

In: 360.641+/-0.042 χ^2/NDF:4328781.8/55

Out: 366.919+/-0.042 χ^2/NDF:5297803.0/61

All: 363.766+/-0.030 χ^2/NDF: 9637720.4/117

asym_sam1_mean vs Slug, Sign Corrected



Right In: 139.603+/-86.989 χ^2/NDF: 29.8/32

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 184.611+/-90.163 χ^2/NDF: 39.1/36

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

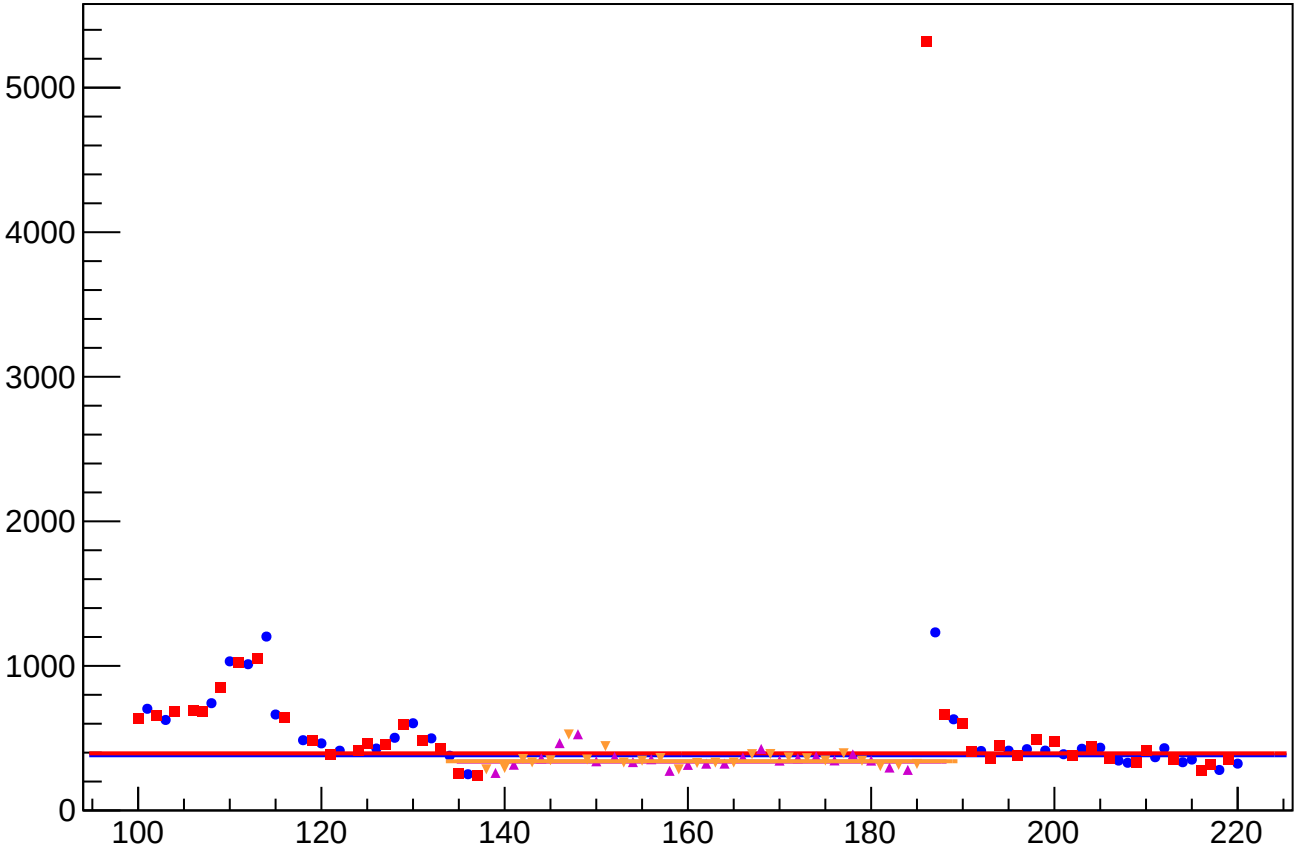
Right: 161.301+/-62.603 χ^2/NDF: 69.1/69

In: 7.608+/-58.883 χ^2/NDF:71.5/55

Out: -16.316+/-59.067 χ^2/NDF:73.4/61

All: -4.316+/-41.701 χ^2/NDF: 145.0/117

asym_sam1_rms vs Slug, Sign Corrected



Right In: 381.826+/-0.062 χ^2/NDF: 3150314.9/32

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 395.095+/-0.064 χ^2/NDF: 4119432.6/36

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

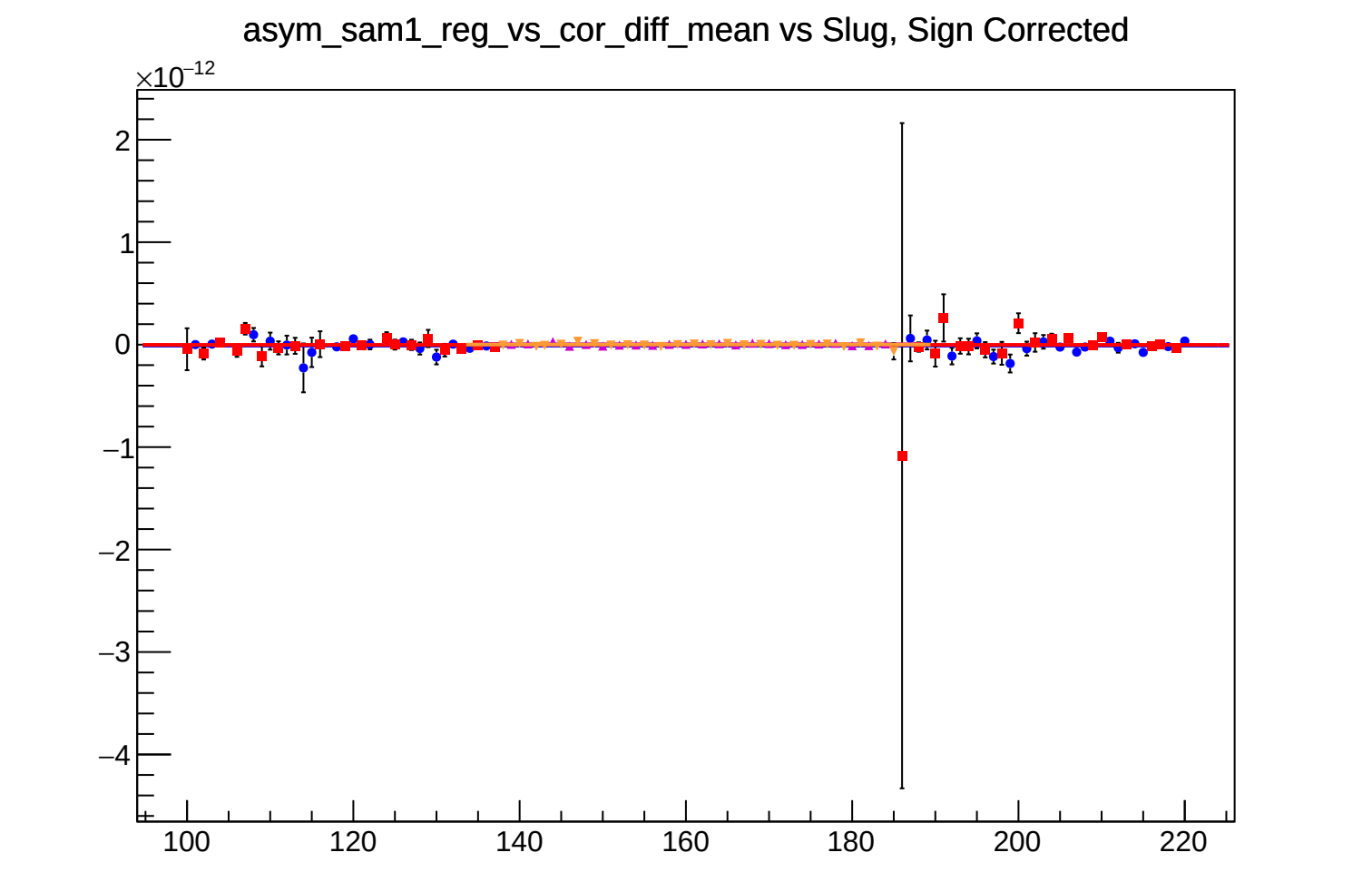
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 388.223+/-0.044 χ^2/NDF: 7292183.3/69

In: 357.950+/-0.042 χ^2/NDF:4249071.3/55

Out: 363.869+/-0.042 χ^2/NDF:5143849.0/61

All: 360.900+/-0.029 χ^2/NDF: 9402992.5/117



Right In: -0.000+/-0.000 χ^2/NDF: 38.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/36

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

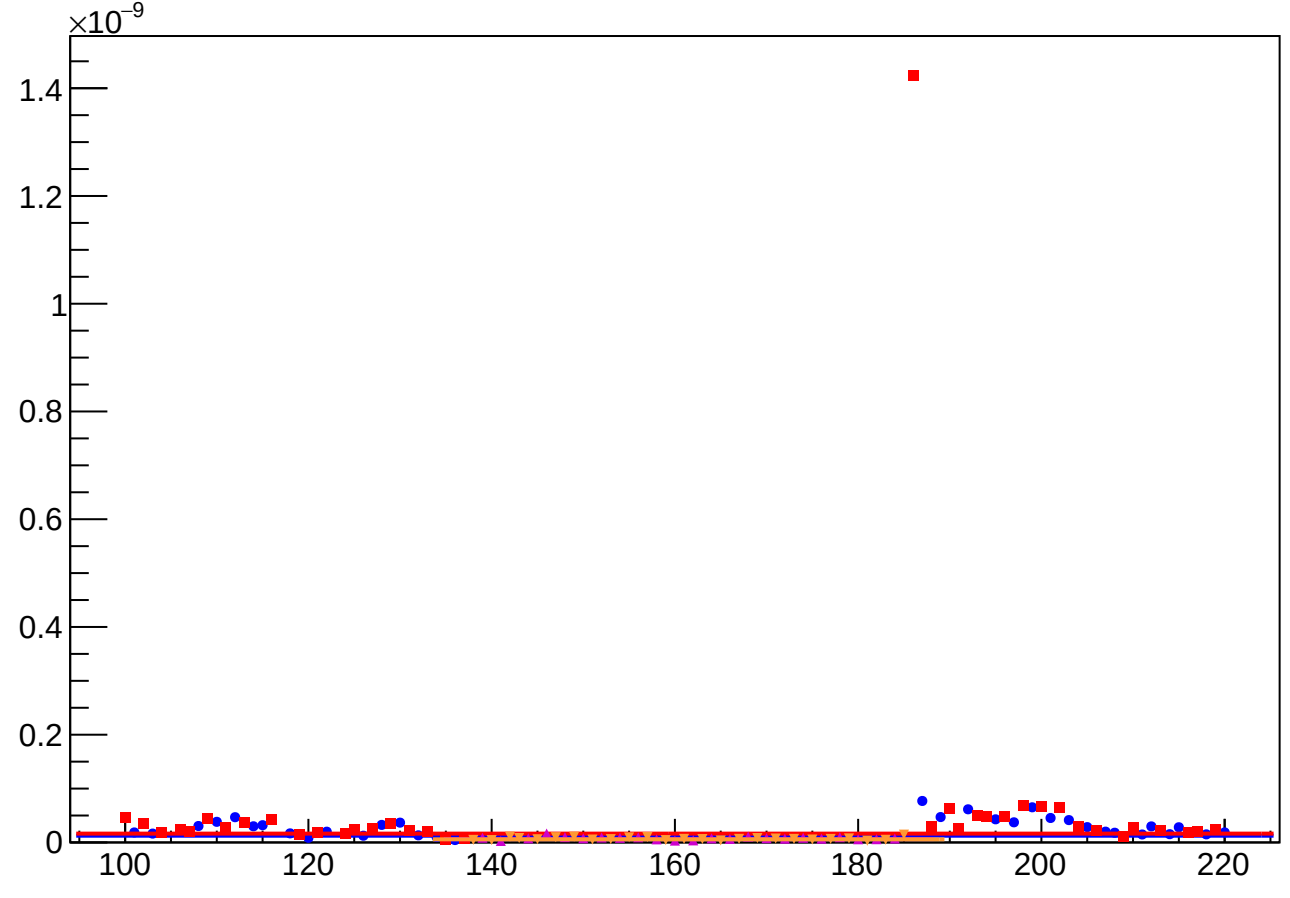
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 74.6/69

In: 0.000+/-0.000 χ^2/NDF:56.0/55

Out: 0.000+/-0.000 χ^2/NDF:51.5/61

All: 0.000+/-0.000 χ^2/NDF: 107.6/117



Right In: 0.000+/-0.000 χ^2/NDF: 8240492.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7502541.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

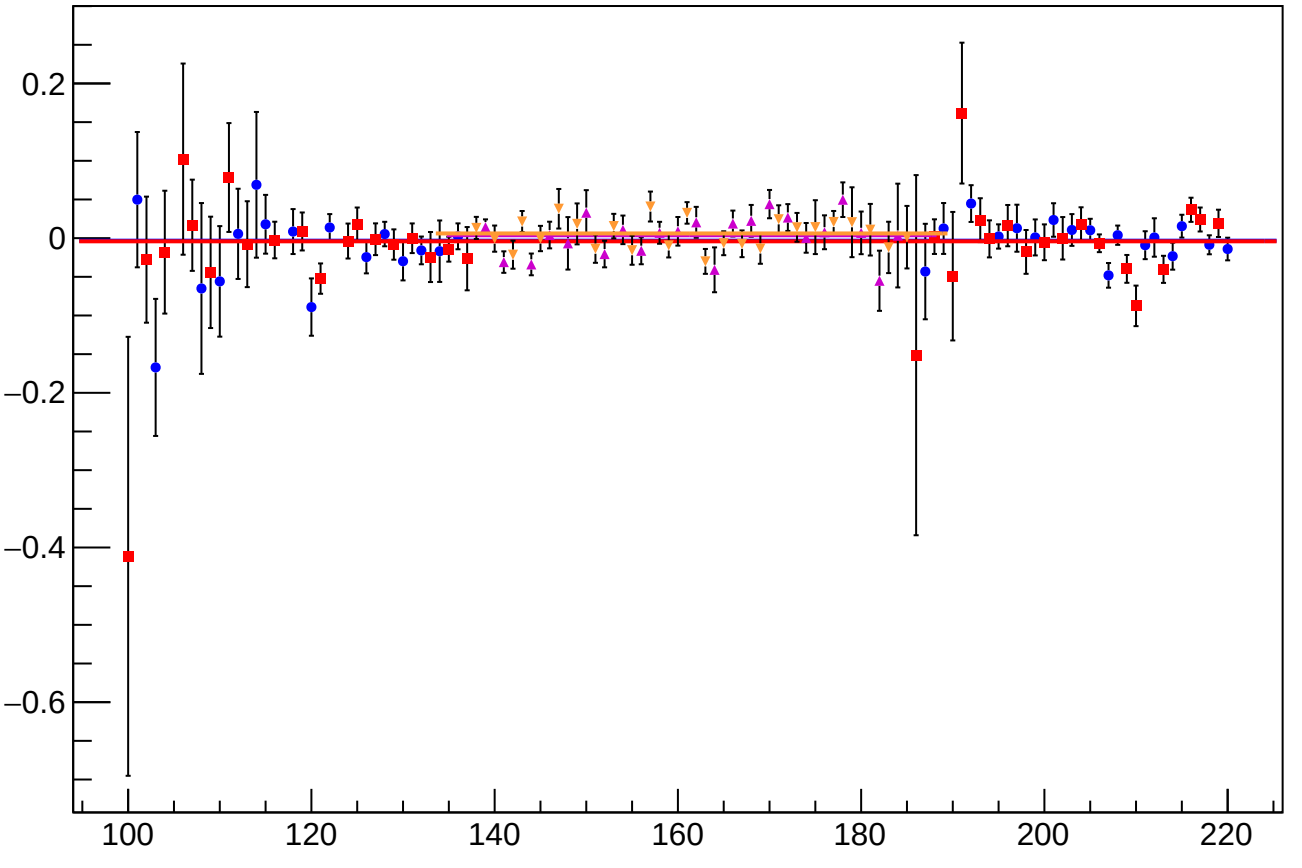
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 16189784.2/69

In: 0.000+/-0.000 χ^2/NDF:12615247.5/55

Out: 0.000+/-0.000 χ^2/NDF:13571220.2/61

All: 0.000+/-0.000 χ^2/NDF: 26226642.8/117



Right In: -0.003+/-0.004 χ^2/NDF: 35.2/32

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.004 χ^2/NDF: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

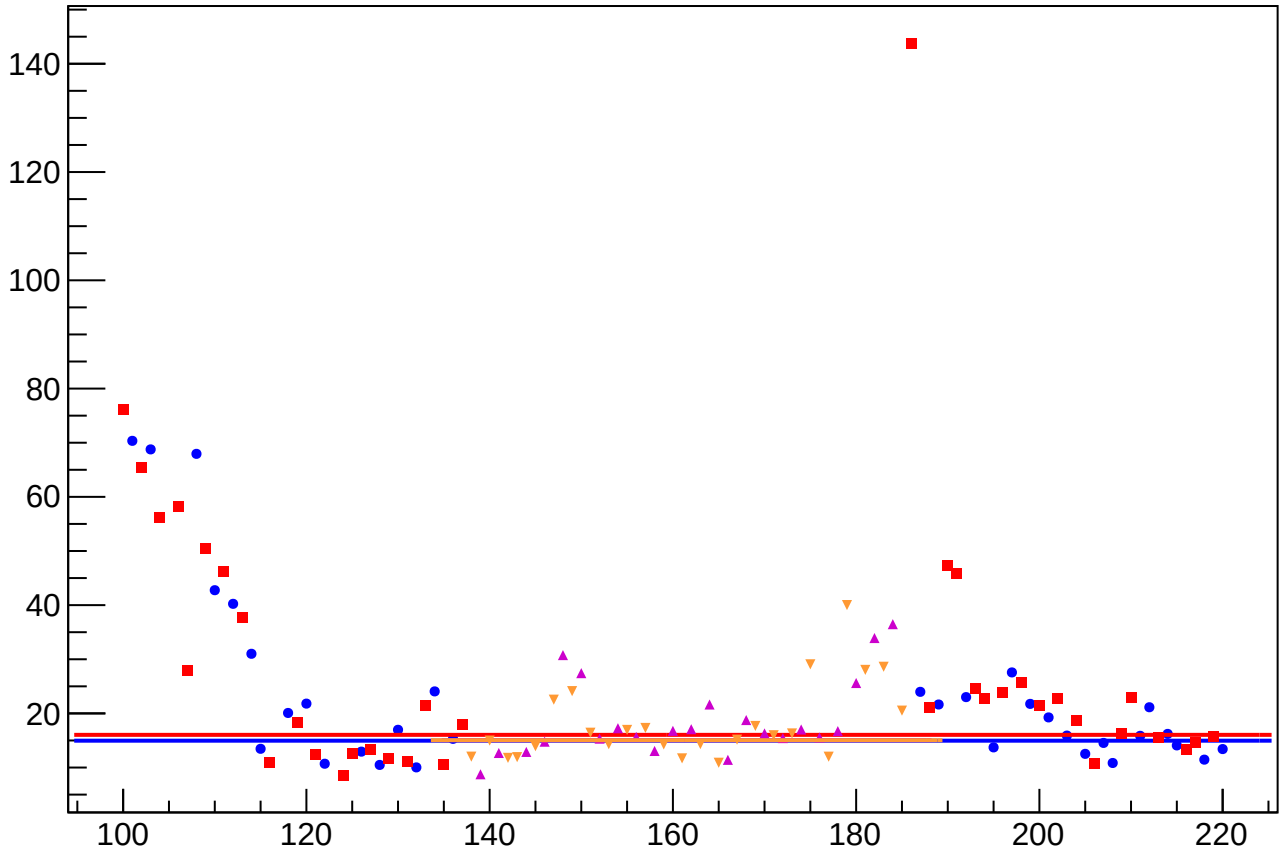
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 85.6/69

In: 0.000+/-0.003 χ^2/NDF:74.1/55

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 154.8/117



Right In: 14.961+/-0.003 χ^2/NDF: 5007258.3/32

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

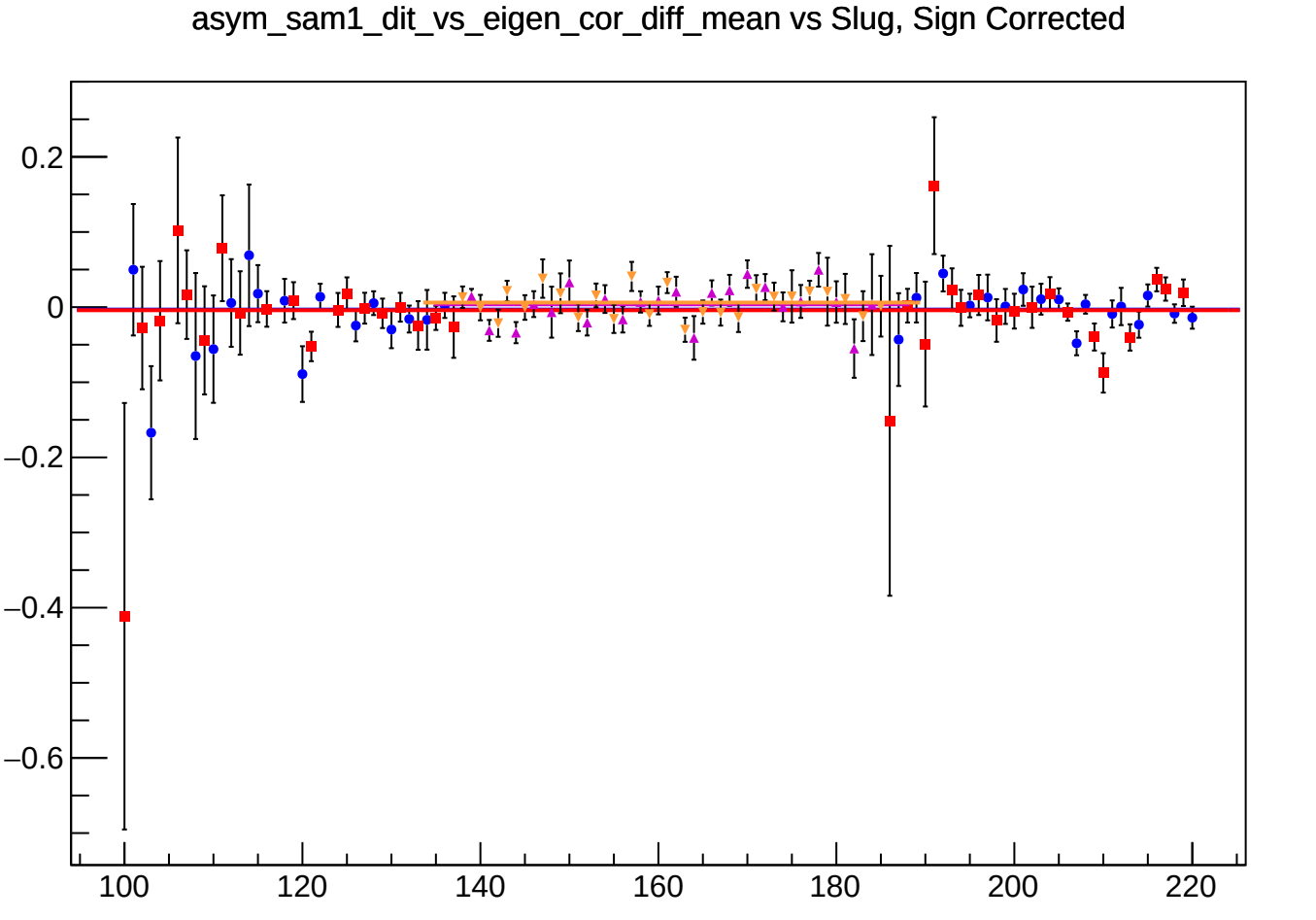
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

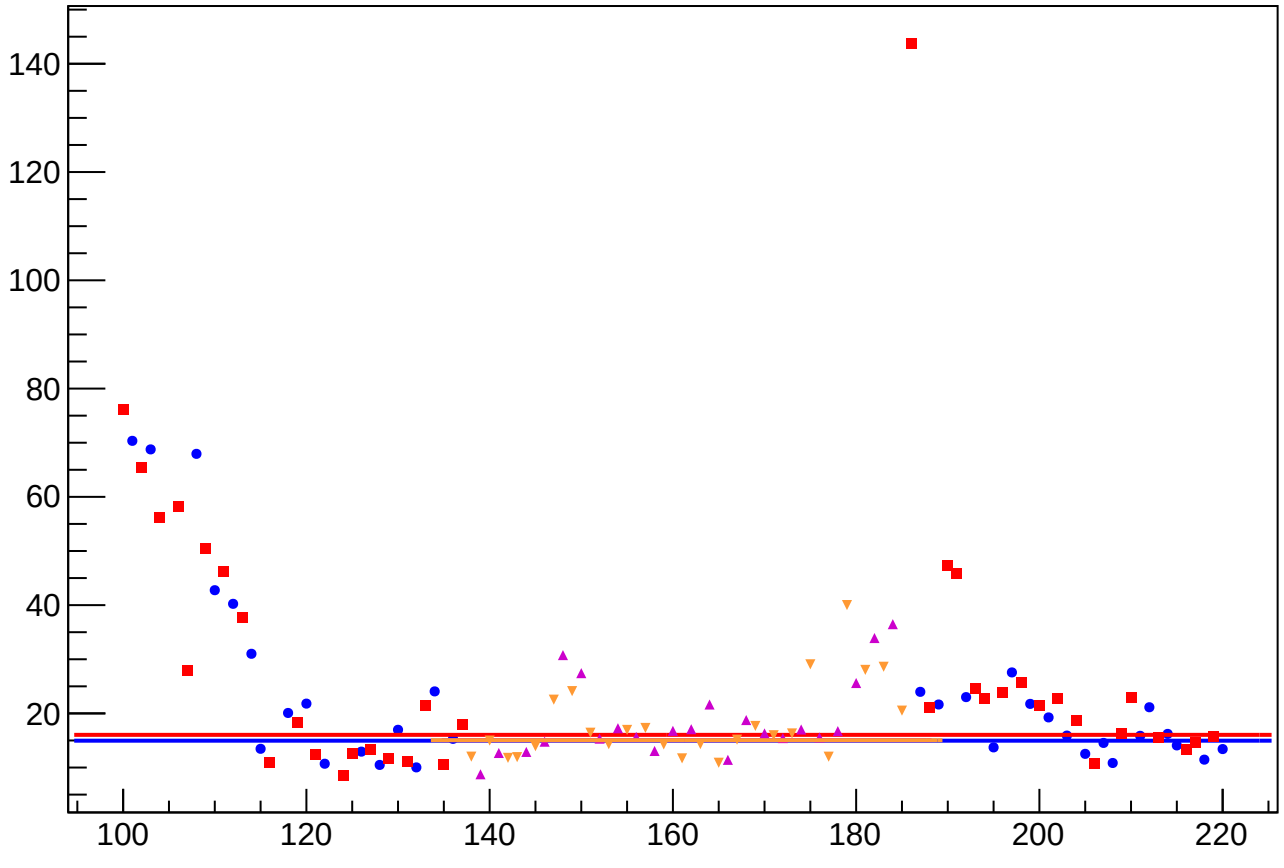
Right: 15.459+/-0.002 χ^2/NDF: 11727415.1/69

In: 15.011+/-0.002 χ^2/NDF:8074665.2/55

Out: 15.509+/-0.002 χ^2/NDF:9465295.7/61

All: 15.256+/-0.001 χ^2/NDF: 17574891.9/117


asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: -0.003+/-0.004 χ²/NDF: 35.2/32
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: -0.004+/-0.004 χ²/NDF: 50.3/36
Left In: 0.004+/-0.004 χ²/NDF:37.1/22
Left: 0.005+/-0.003 χ²/NDF: 64.0/47
Right: -0.004+/-0.003 χ²/NDF: 85.6/69
In: 0.000+/-0.003 χ²/NDF:74.1/55
Out: 0.001+/-0.003 χ²/NDF:80.6/61
All: 0.001+/-0.002 χ²/NDF: 154.8/117



Right In: 14.961+/-0.003 χ^2/NDF: 5007258.3/32

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

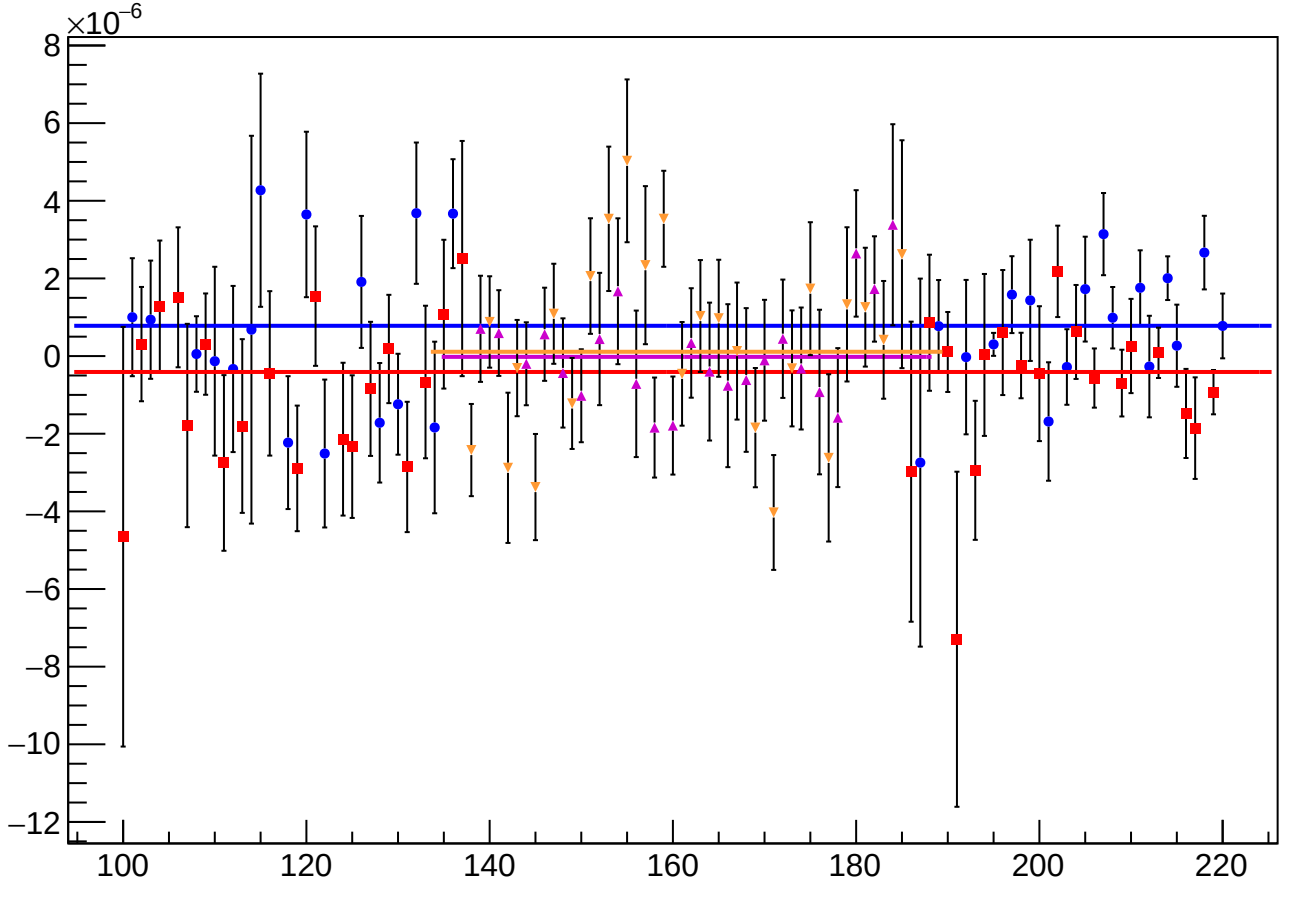
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.459+/-0.002 χ^2/NDF: 11727415.1/69

In: 15.011+/-0.002 χ^2/NDF:8074665.2/55

Out: 15.509+/-0.002 χ^2/NDF:9465295.7/61

All: 15.256+/-0.001 χ^2/NDF: 17574891.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 48.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/36

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

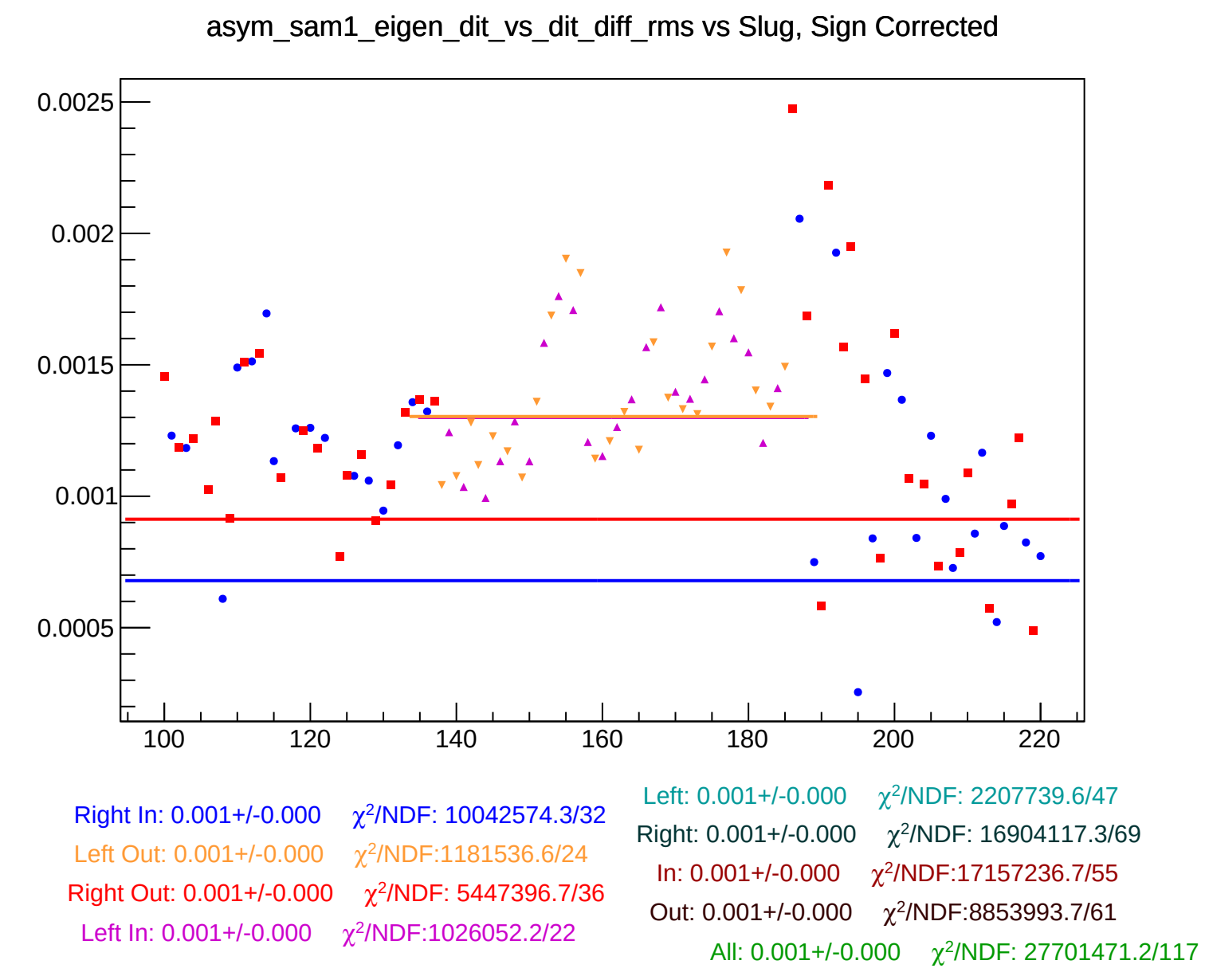
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

Right: 0.000+/-0.000 χ^2/NDF: 96.5/69

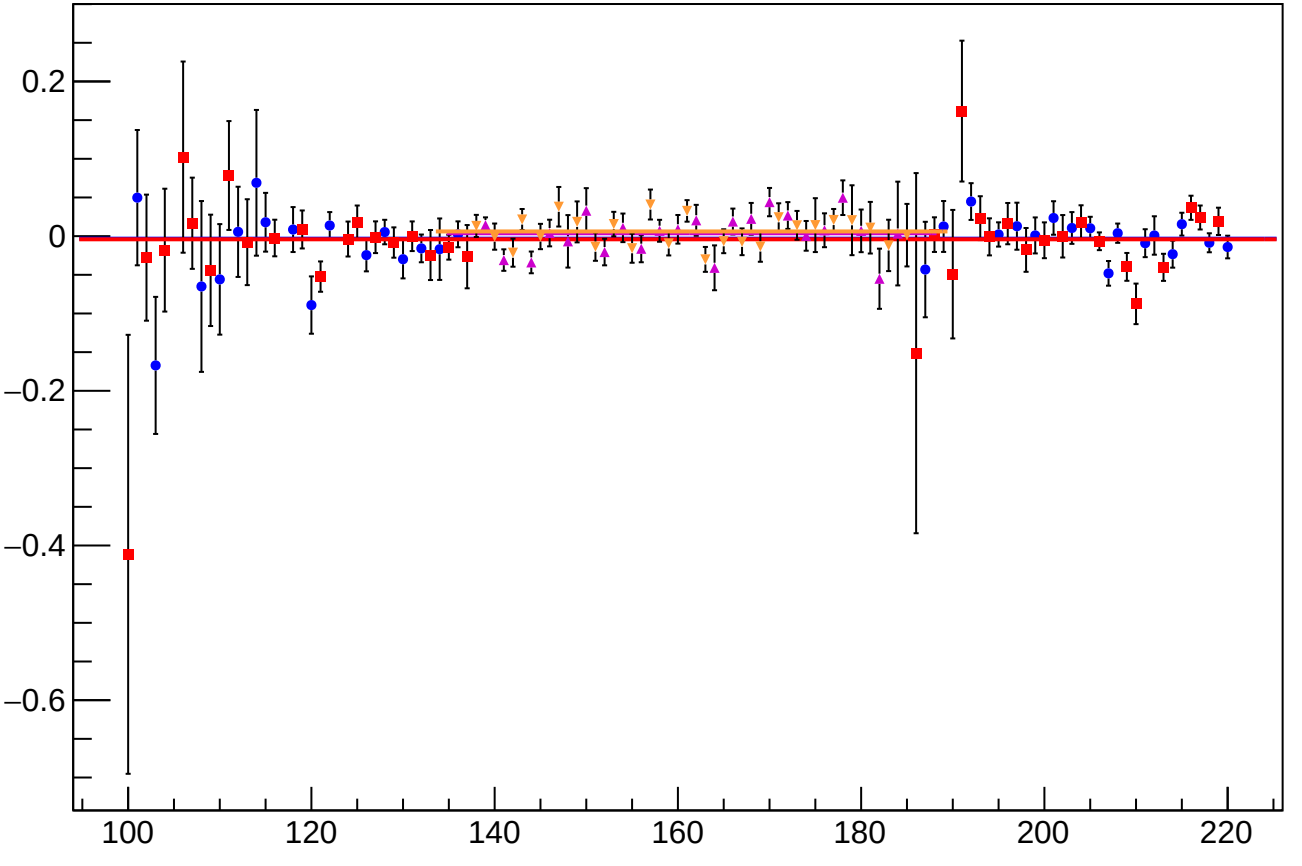
In: 0.000+/-0.000 χ^2/NDF:67.2/55

Out: -0.000+/-0.000 χ^2/NDF:82.1/61

All: 0.000+/-0.000 χ^2/NDF: 161.7/117


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 10042574.3/32
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 5447396.7/36
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: 16904117.3/69
In: 0.001+/-0.000 χ²/NDF:17157236.7/55
Out: 0.001+/-0.000 χ²/NDF:8853993.7/61
All: 0.001+/-0.000 χ²/NDF: 27701471.2/117

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.004 χ^2/NDF: 35.2/32

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.004 χ^2/NDF: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

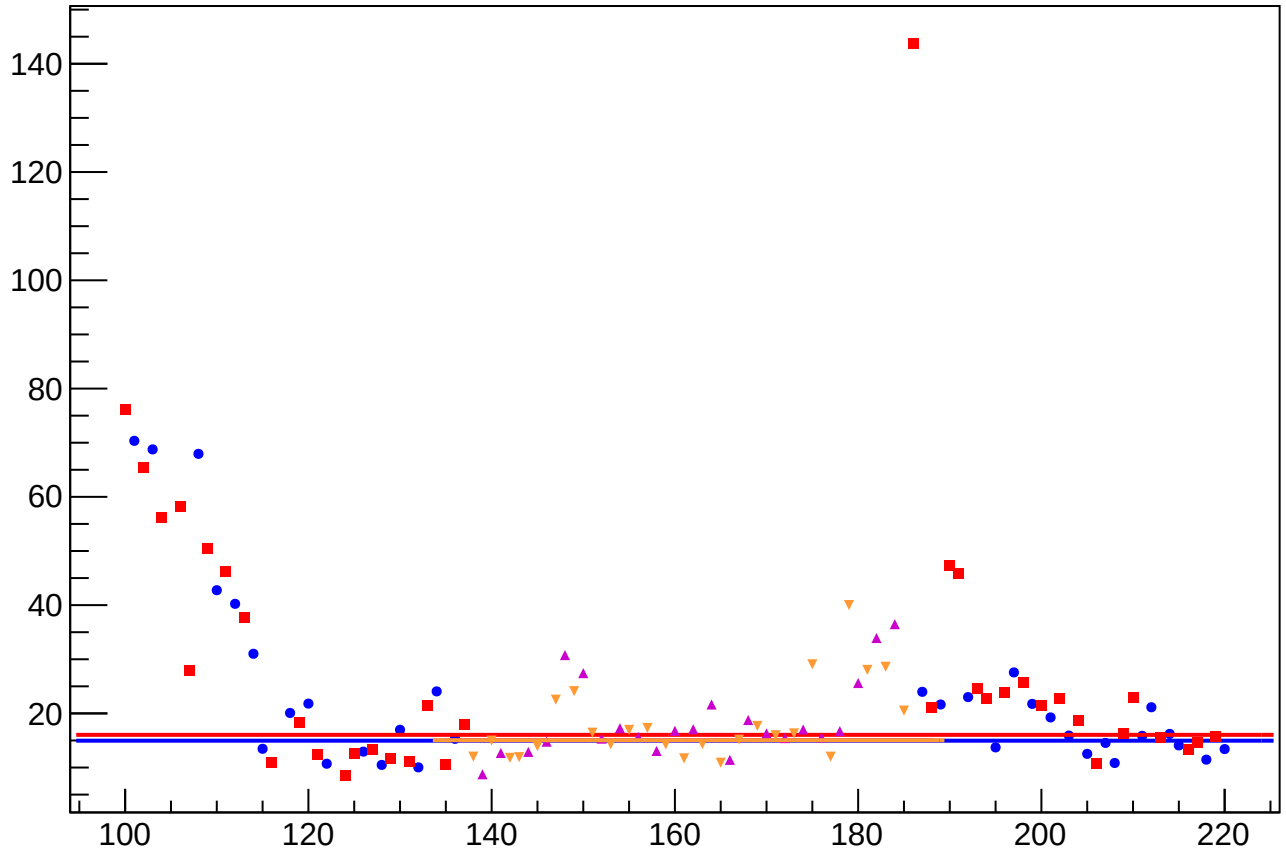
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 85.6/69

In: 0.000+/-0.003 χ^2/NDF:74.1/55

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 154.8/117



Right In: 14.960+/-0.003 χ^2/NDF: 5007267.1/32

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.038+/-0.003 χ^2/NDF: 6639358.9/36

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

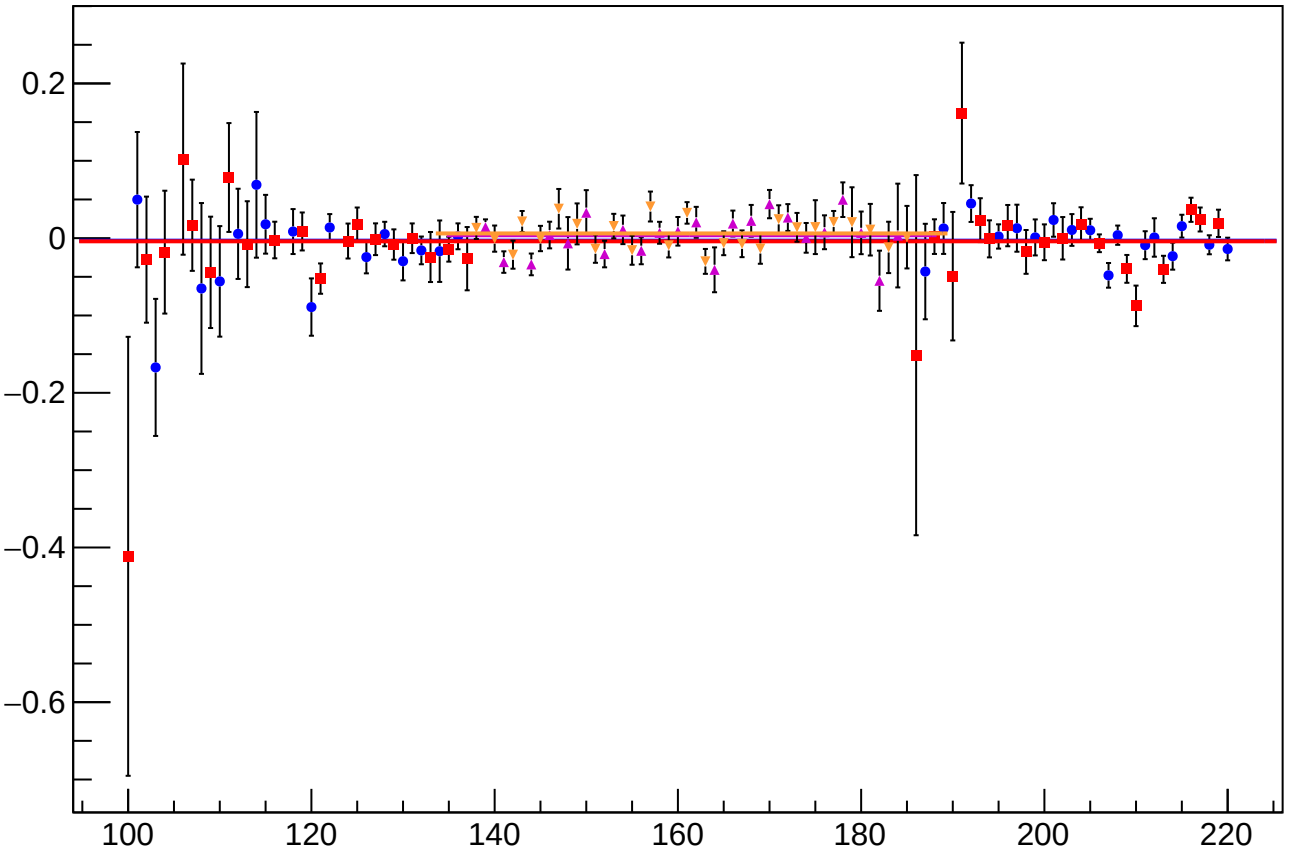
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.458+/-0.002 χ^2/NDF: 11727426.4/69

In: 15.011+/-0.002 χ^2/NDF:8074720.3/55

Out: 15.509+/-0.002 χ^2/NDF:9465493.4/61

All: 15.256+/-0.001 χ^2/NDF: 17575145.3/117



Right In: -0.003+/-0.004 χ^2/NDF: 35.2/32

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.004 χ^2/NDF: 50.3/36

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

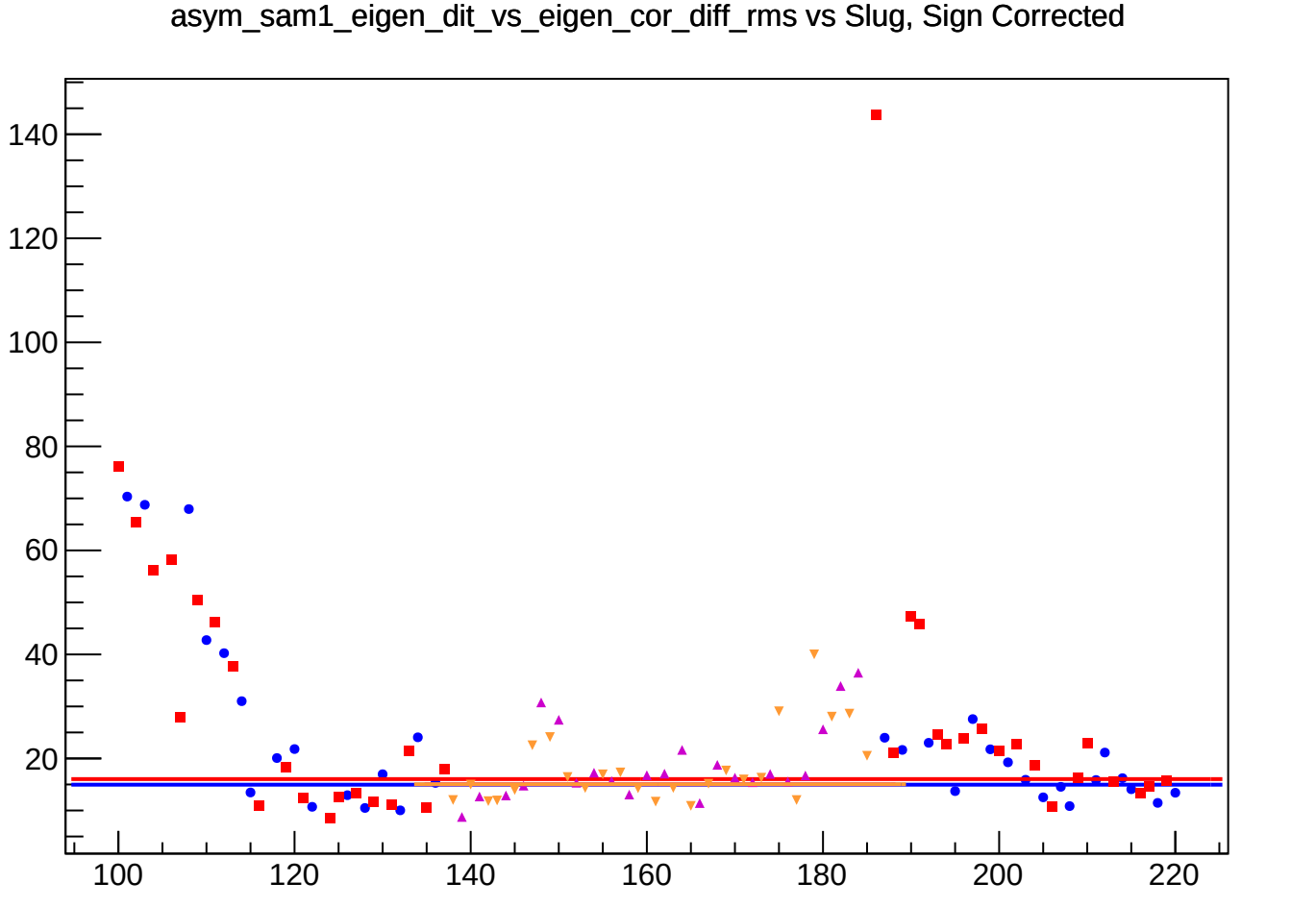
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 85.6/69

In: 0.000+/-0.003 χ^2/NDF:74.1/55

Out: 0.001+/-0.003 χ^2/NDF:80.6/61

All: 0.001+/-0.002 χ^2/NDF: 154.8/117



Right In: 14.960+/-0.003 χ^2/NDF: 5007267.1/32

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.038+/-0.003 χ^2/NDF: 6639358.9/36

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

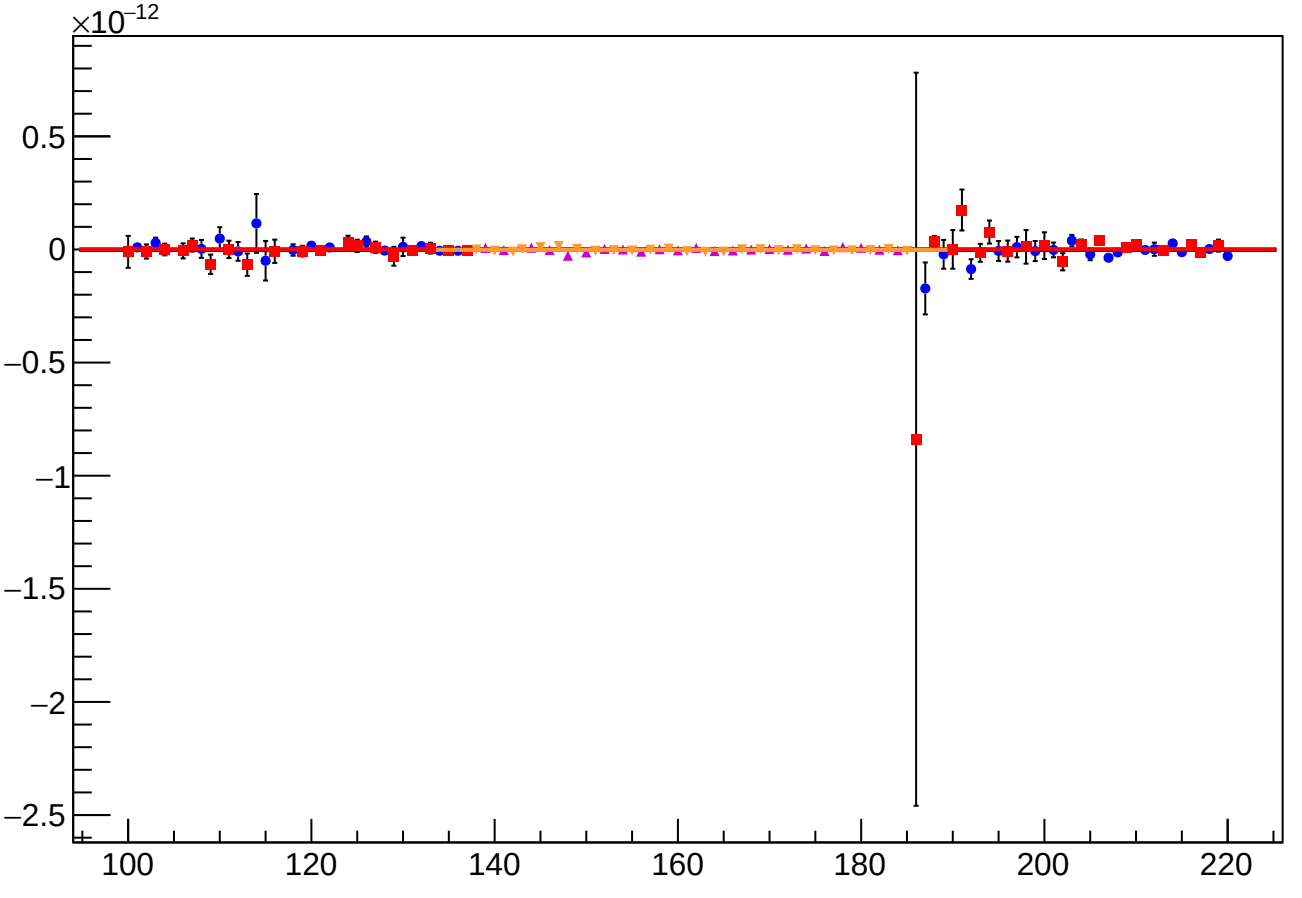
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.458+/-0.002 χ^2/NDF: 11727426.4/69

In: 15.011+/-0.002 χ^2/NDF:8074720.3/55

Out: 15.509+/-0.002 χ^2/NDF:9465493.4/61

All: 15.256+/-0.001 χ^2/NDF: 17575145.3/117



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/36

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

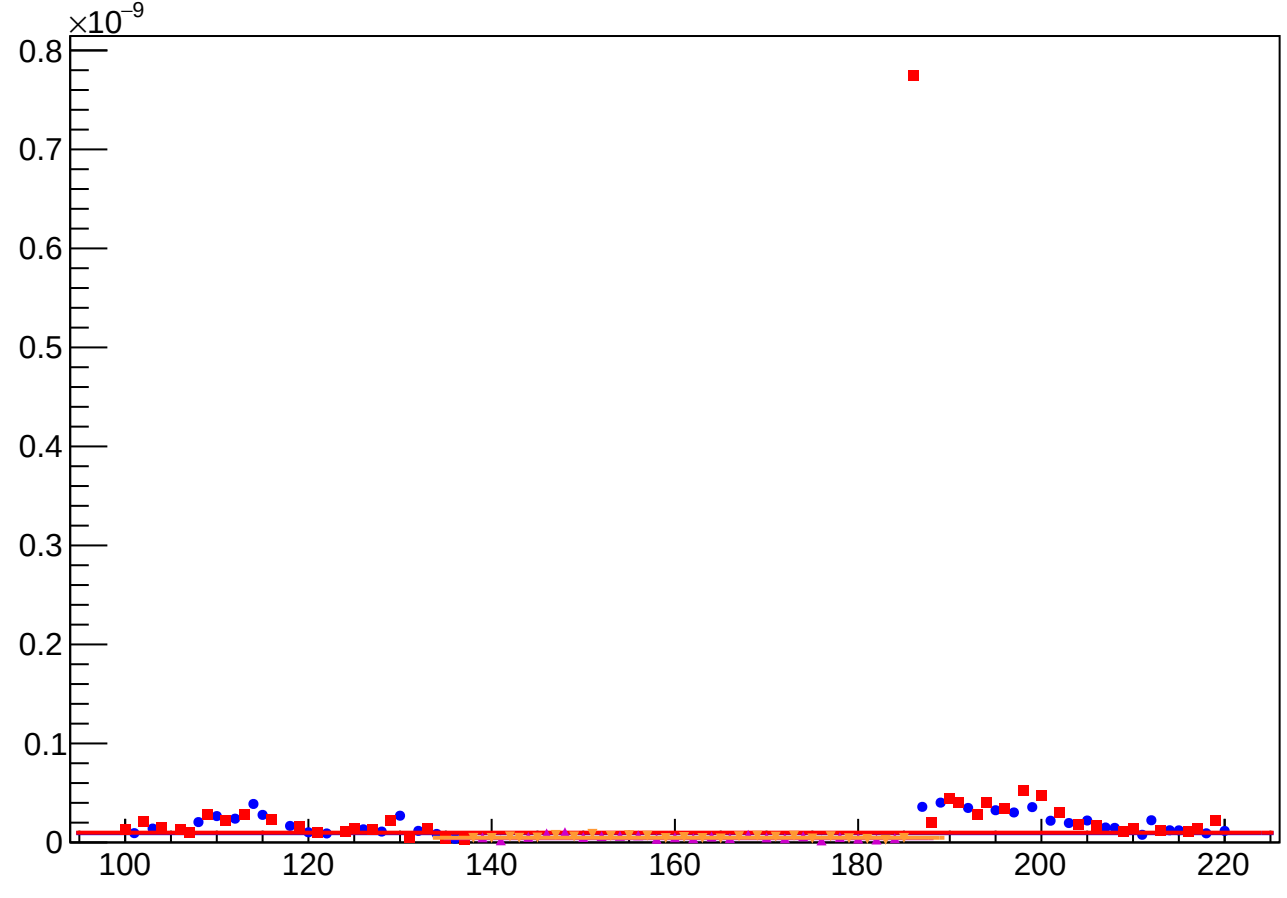
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 57.6/69

In: -0.000+/-0.000 χ^2/NDF:51.6/55

Out: -0.000+/-0.000 χ^2/NDF:42.9/61

All: -0.000+/-0.000 χ^2/NDF: 94.6/117



Right In: 0.000+/-0.000 χ^2/NDF: 9455621.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11744749.0/36

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

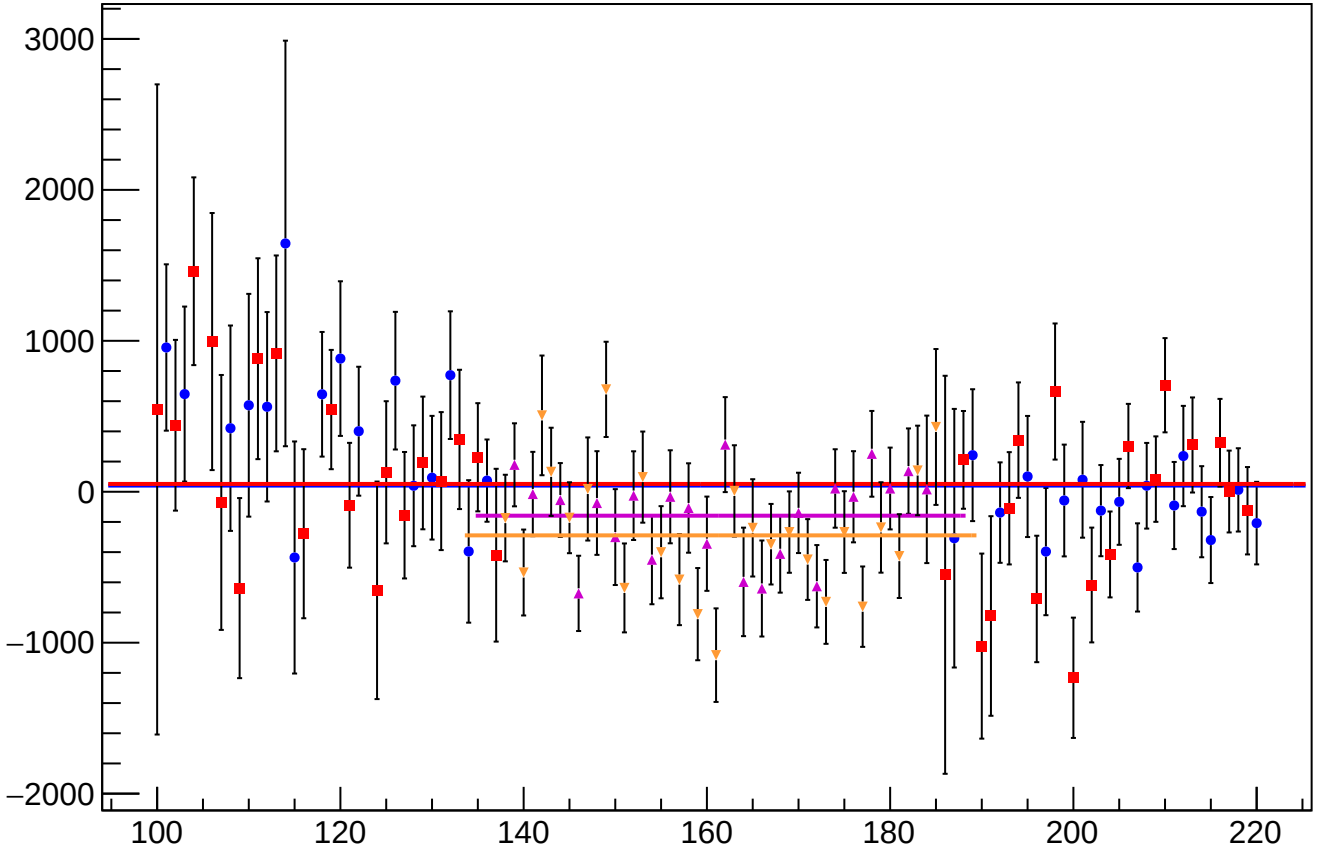
Right: 0.000+/-0.000 χ^2/NDF: 21226543.0/69

In: 0.000+/-0.000 χ^2/NDF:17725383.1/55

Out: 0.000+/-0.000 χ^2/NDF:18001756.8/61

All: 0.000+/-0.000 χ^2/NDF: 35847357.1/117

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 41.004+/-65.851 χ^2/NDF: 28.0/32

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 51.730+/-67.791 χ^2/NDF: 50.8/36

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

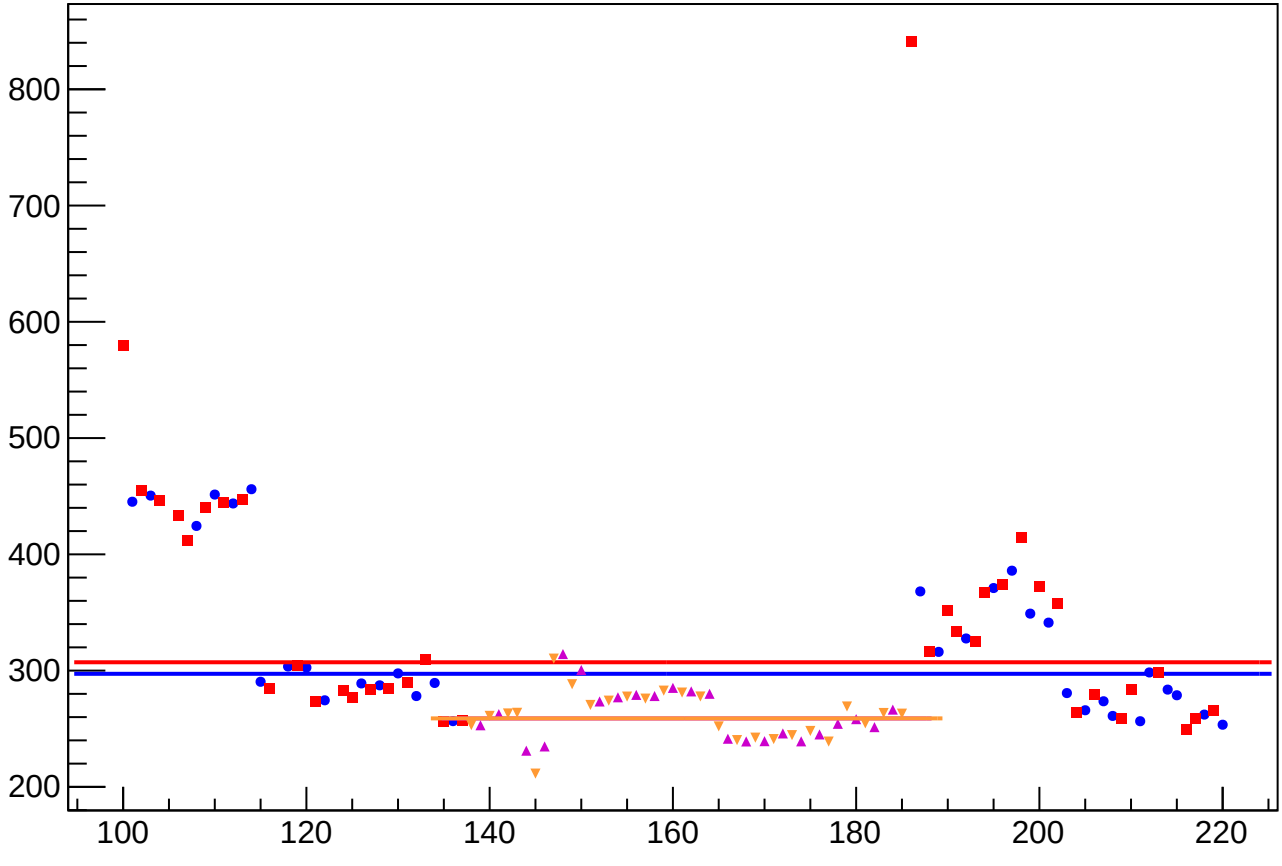
Right: 46.212+/-47.234 χ^2/NDF: 78.8/69

In: -66.897+/-44.634 χ^2/NDF:55.5/55

Out: -142.004+/-44.520 χ^2/NDF:107.6/61

All: -104.546+/-31.521 χ^2/NDF: 164.5/117

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 297.248+/-0.047 χ^2/NDF: 1103500.9/32

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.178+/-0.048 χ^2/NDF: 1690784.5/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

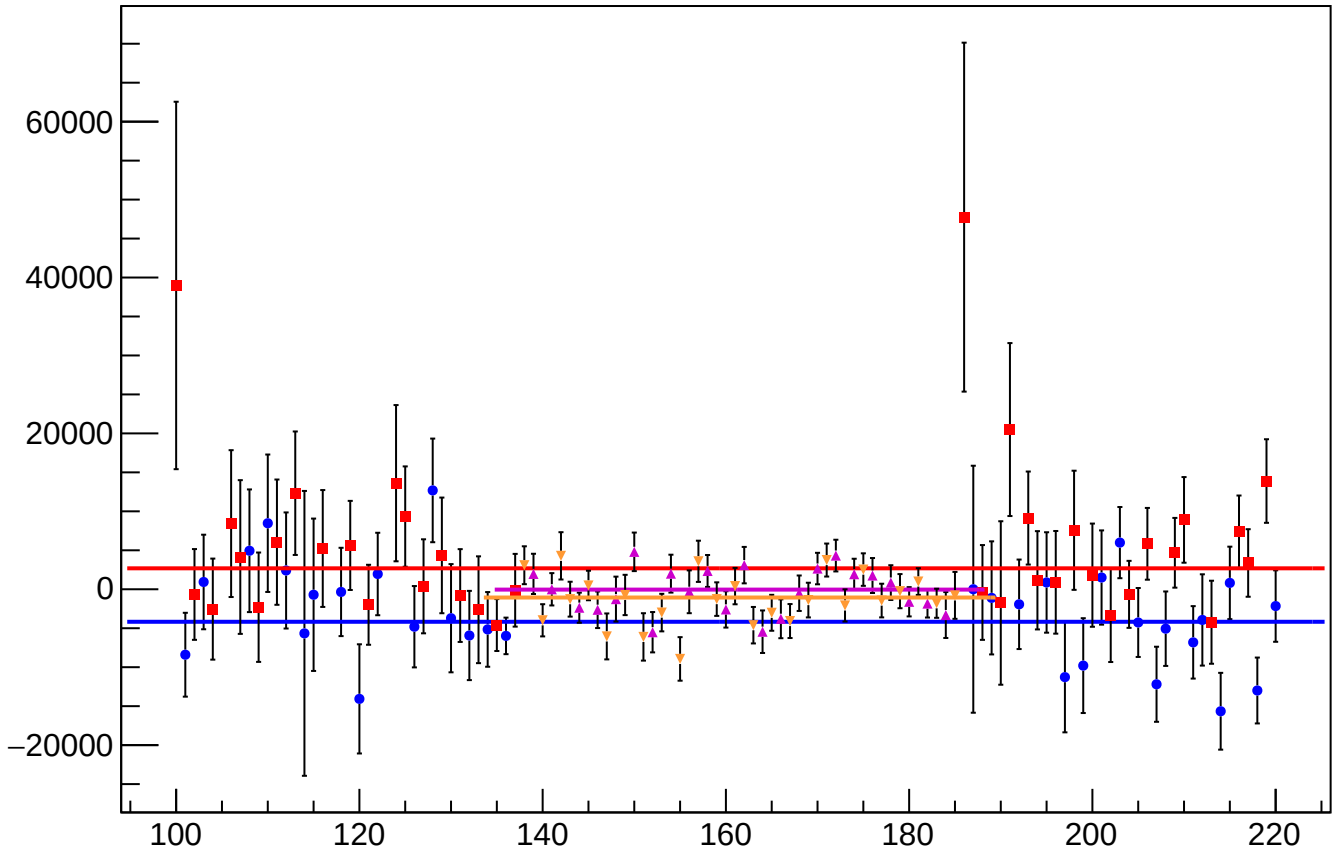
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 302.069+/-0.033 χ^2/NDF: 2816367.0/69

In: 276.487+/-0.032 χ^2/NDF:1716190.3/55

Out: 279.729+/-0.031 χ^2/NDF:2516119.9/61

All: 278.112+/-0.022 χ^2/NDF: 4237597.7/117



Right In: -4172.054+/-932.621 χ^2/NDF: 39.6/32

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 2687.152+/-988.507 χ^2/NDF: 35.1/36

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

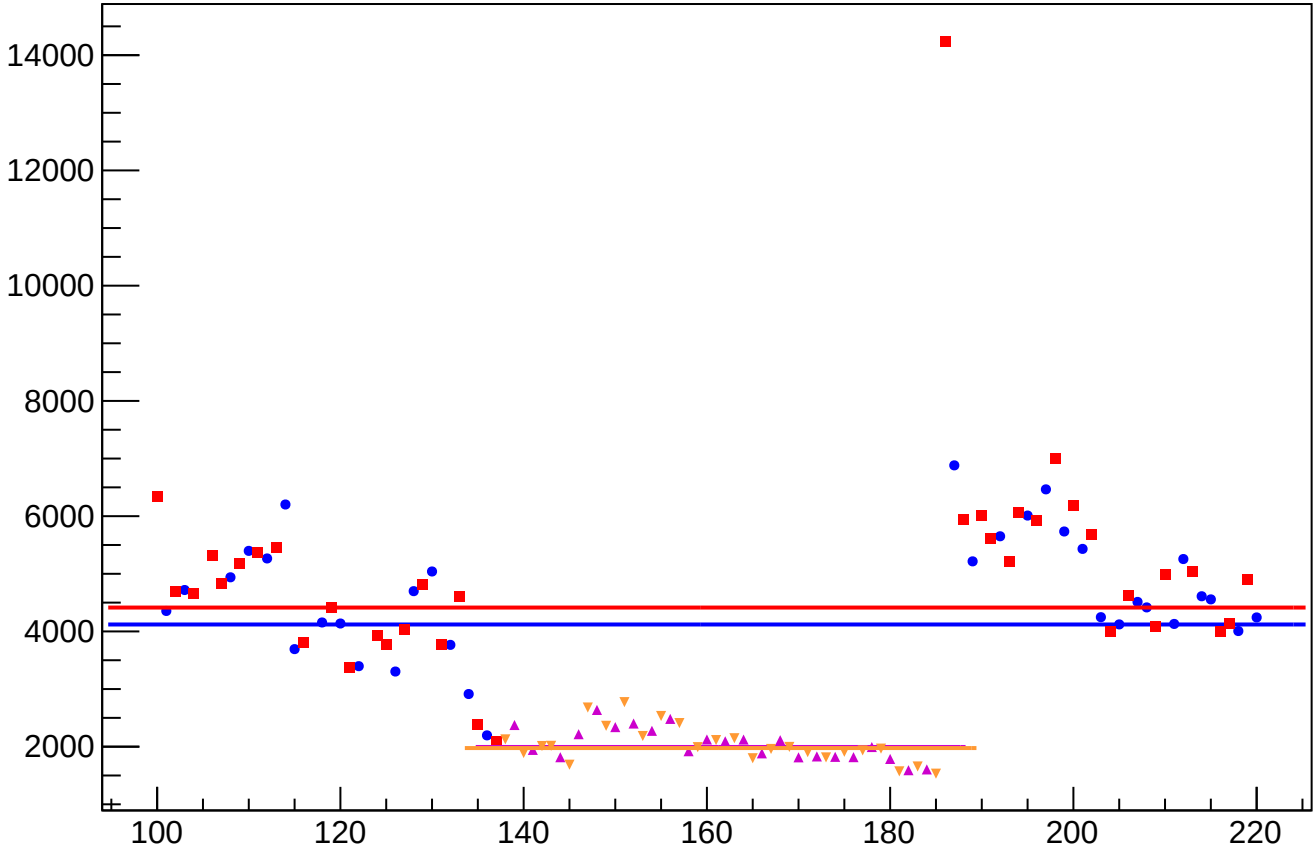
Right: -941.820+/-678.360 χ^2/NDF: 100.1/69

In: -882.338+/-420.213 χ^2/NDF:89.4/55

Out: -405.086+/-413.057 χ^2/NDF:88.4/61

All: -639.614+/-294.573 χ^2/NDF: 178.4/117

asym_sam2_reg_correction_rms vs Slug, Sign Corrected



Right In: 4120.481+/-0.659 χ^2/NDF: 2795225.8/32

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4414.251+/-0.699 χ^2/NDF: 2971293.2/36

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

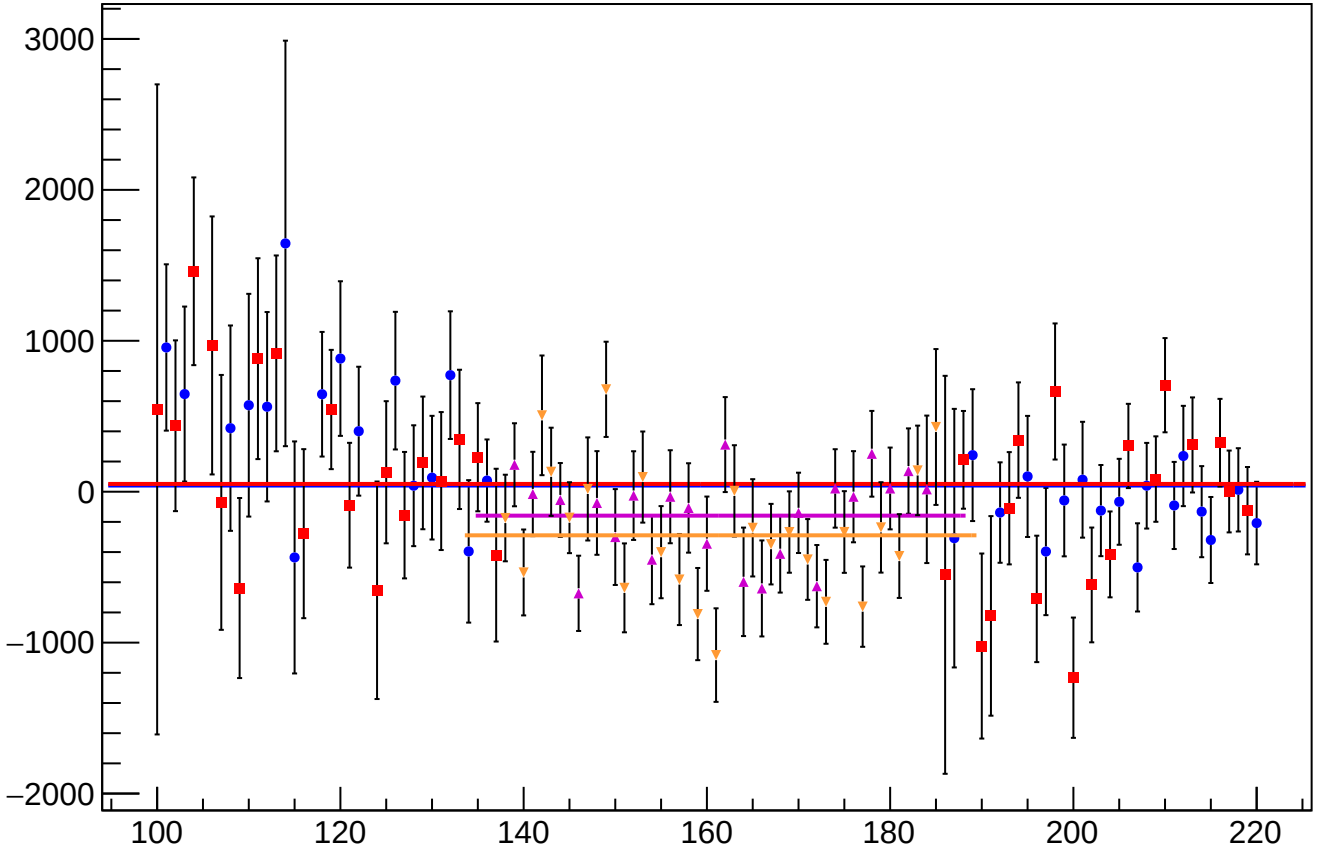
Right: 4258.828+/-0.480 χ^2/NDF: 5859972.3/69

In: 2426.314+/-0.297 χ^2/NDF:11676215.3/55

Out: 2401.708+/-0.292 χ^2/NDF:13778460.0/61

All: 2413.800+/-0.208 χ^2/NDF: 25458163.1/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 40.985+/-65.851 χ^2/NDF: 28.0/32

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 51.460+/-67.793 χ^2/NDF: 50.7/36

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

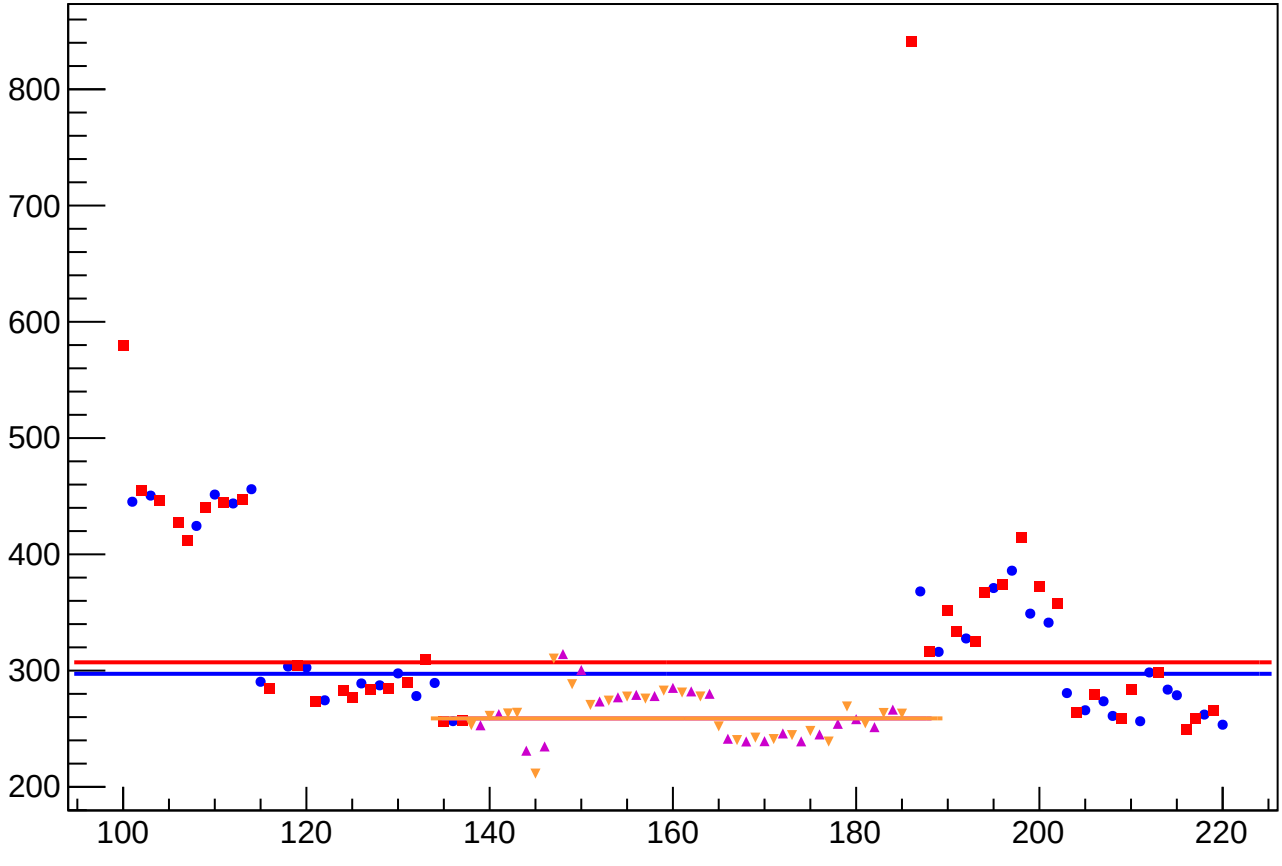
Right: 46.070+/-47.235 χ^2/NDF: 78.7/69

In: -66.911+/-44.634 χ^2/NDF:55.5/55

Out: -142.128+/-44.521 χ^2/NDF:107.5/61

All: -104.616+/-31.521 χ^2/NDF: 164.4/117

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 297.248+/-0.047 χ^2/NDF: 1103502.5/32

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

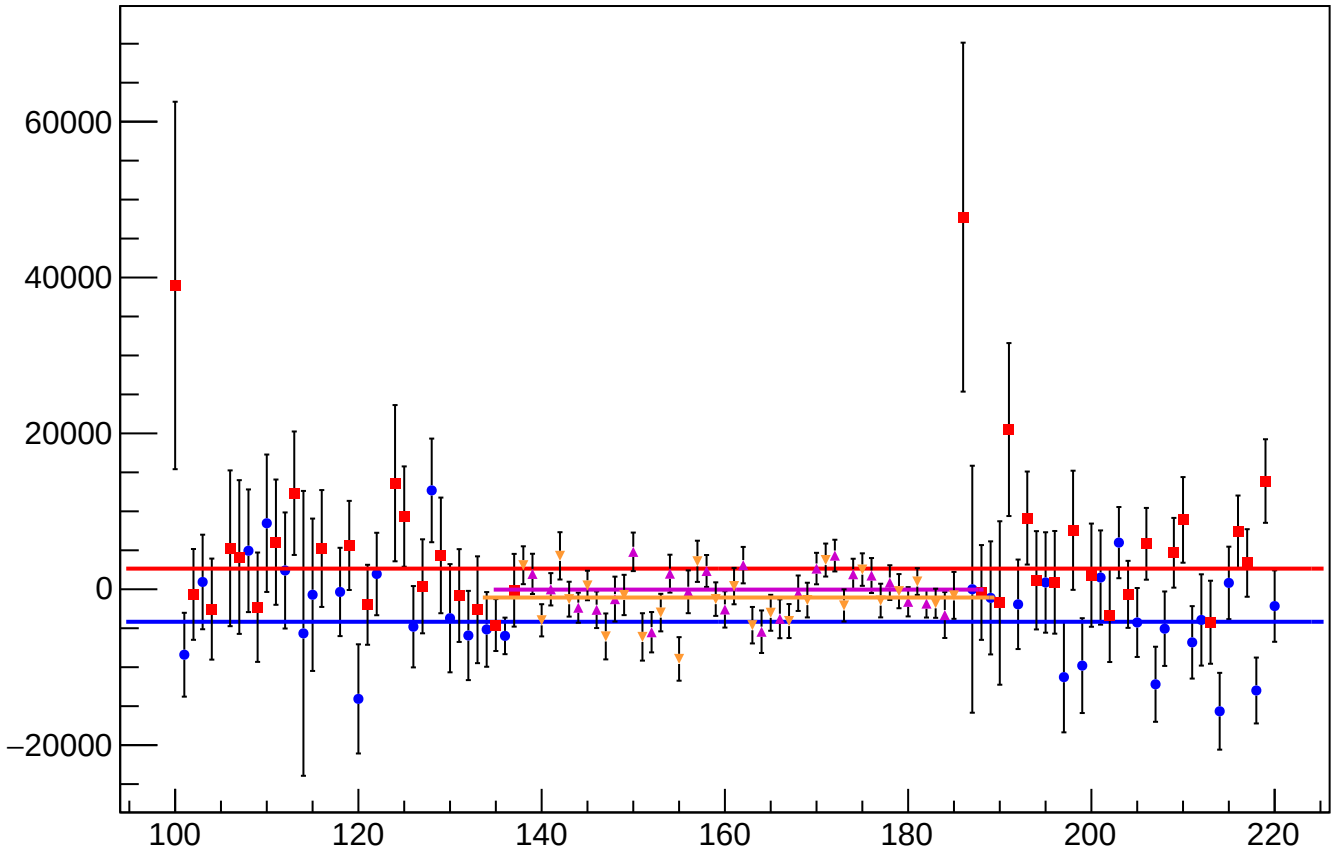
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 302.046+/-0.033 χ^2/NDF: 2811470.2/69

In: 276.487+/-0.032 χ^2/NDF:1716191.9/55

Out: 279.707+/-0.031 χ^2/NDF:2510272.2/61

All: 278.101+/-0.022 χ^2/NDF: 4231682.0/117



Right In: -4172.037+/-932.622 χ^2/NDF: 39.6/32

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 2649.385+/-989.130 χ^2/NDF: 34.7/36

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

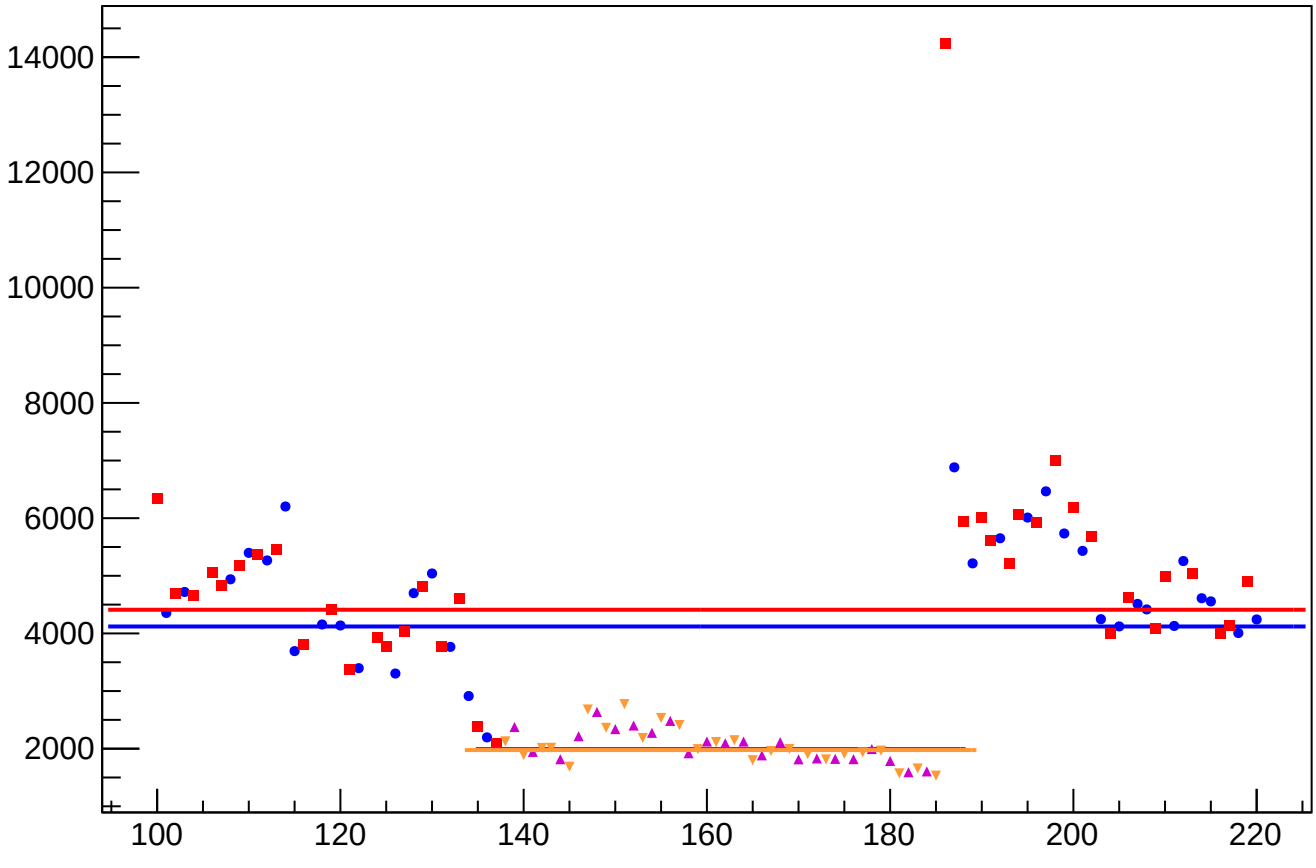
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -961.733+/-678.561 χ^2/NDF: 99.5/69

In: -882.331+/-420.213 χ^2/NDF:89.4/55

Out: -412.356+/-413.103 χ^2/NDF:87.9/61

All: -643.333+/-294.589 χ^2/NDF: 177.8/117



Right In: 4120.485+/-0.659 χ^2/NDF: 2795233.8/32

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

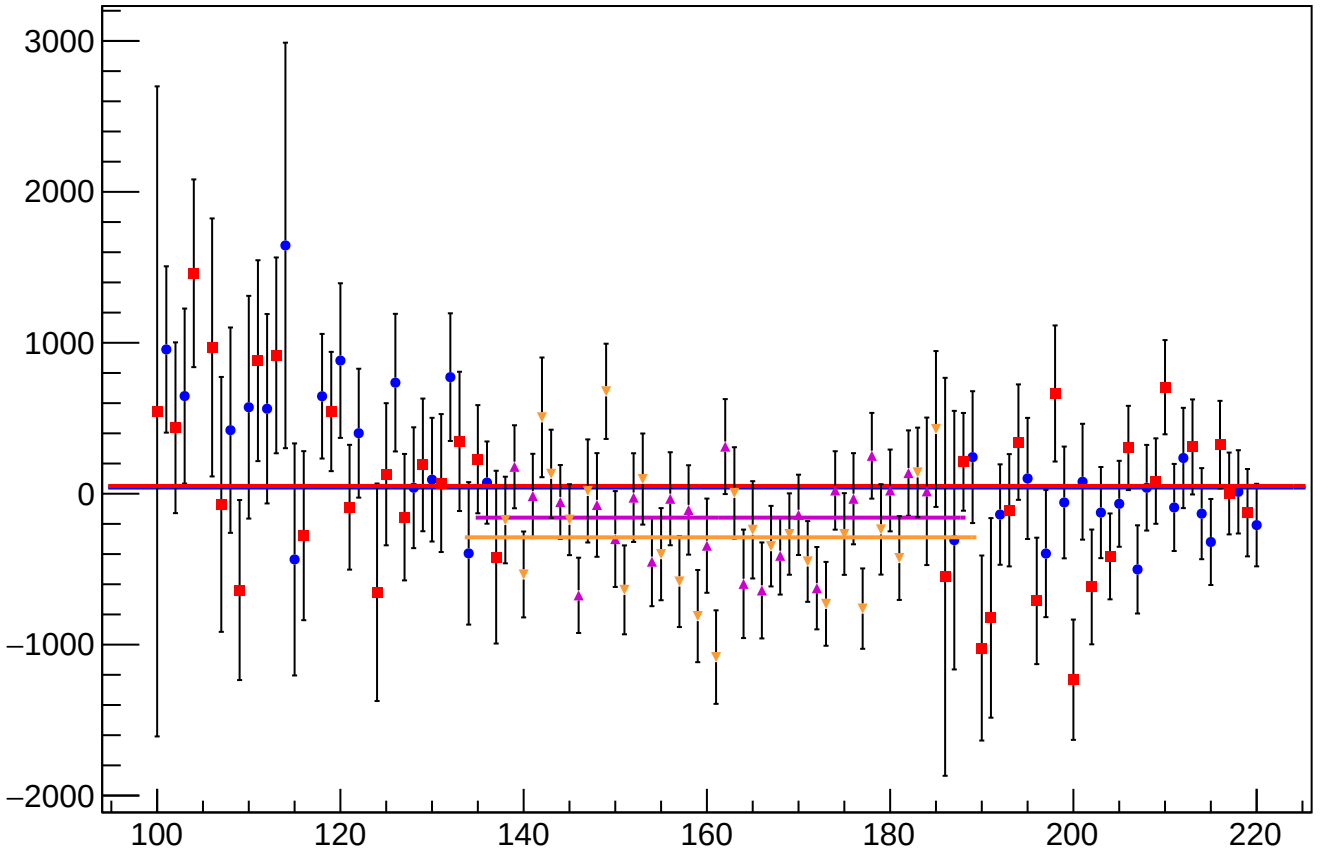
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4257.116+/-0.480 χ^2/NDF: 5848154.8/69

In: 2426.314+/-0.297 χ^2/NDF:11676233.8/55

Out: 2400.665+/-0.292 χ^2/NDF:13730112.6/61

All: 2413.271+/-0.208 χ^2/NDF: 25410135.7/1



Right In: 40.985+/-65.851 χ^2/NDF: 28.0/32

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 51.460+/-67.793 χ^2/NDF: 50.7/36

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

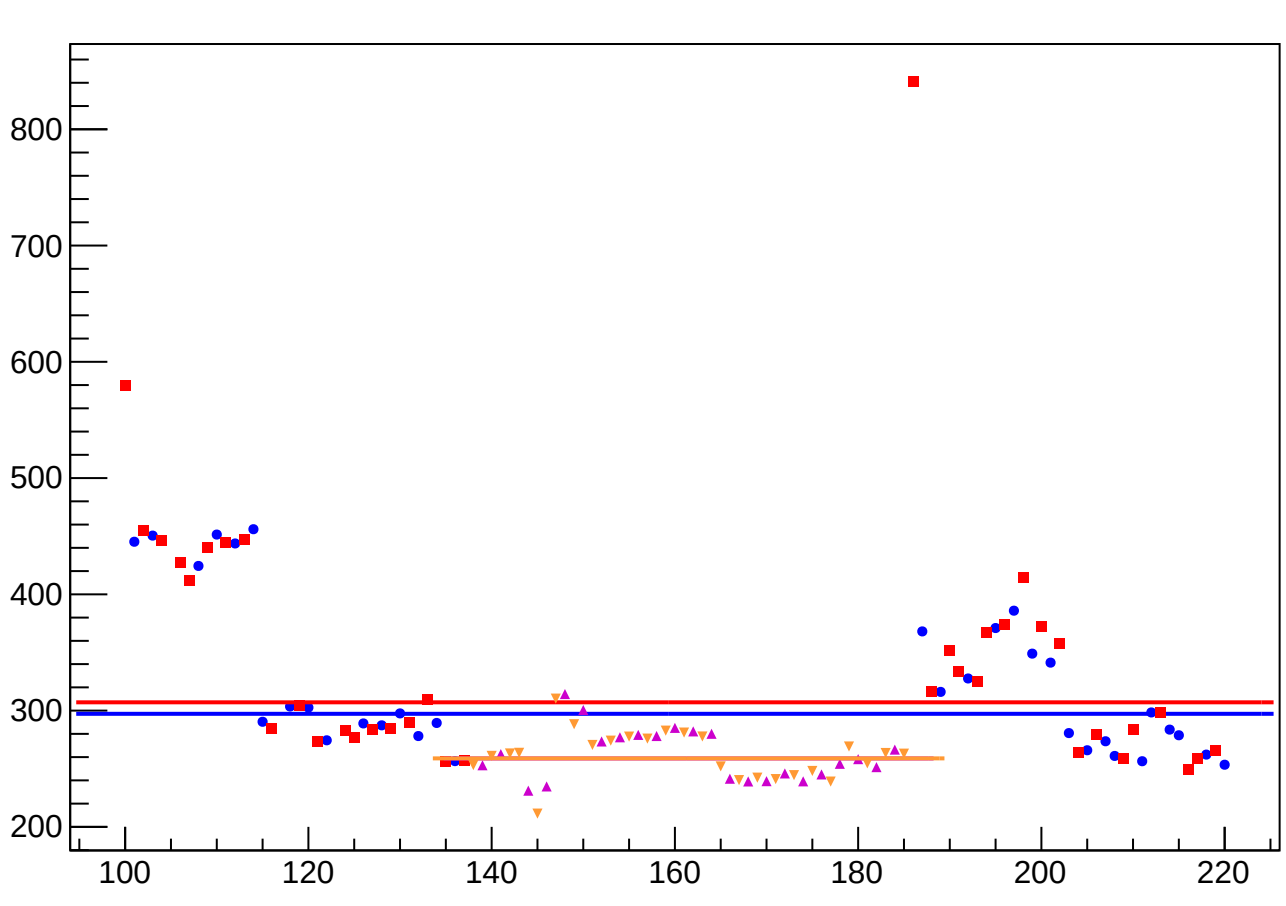
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 46.070+/-47.235 χ^2/NDF: 78.7/69

In: -66.911+/-44.634 χ^2/NDF:55.5/55

Out: -142.128+/-44.521 χ^2/NDF:107.5/61

All: -104.616+/-31.521 χ^2/NDF: 164.4/117



Right In: 297.248+/-0.047 χ^2/NDF: 1103502.5/32

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

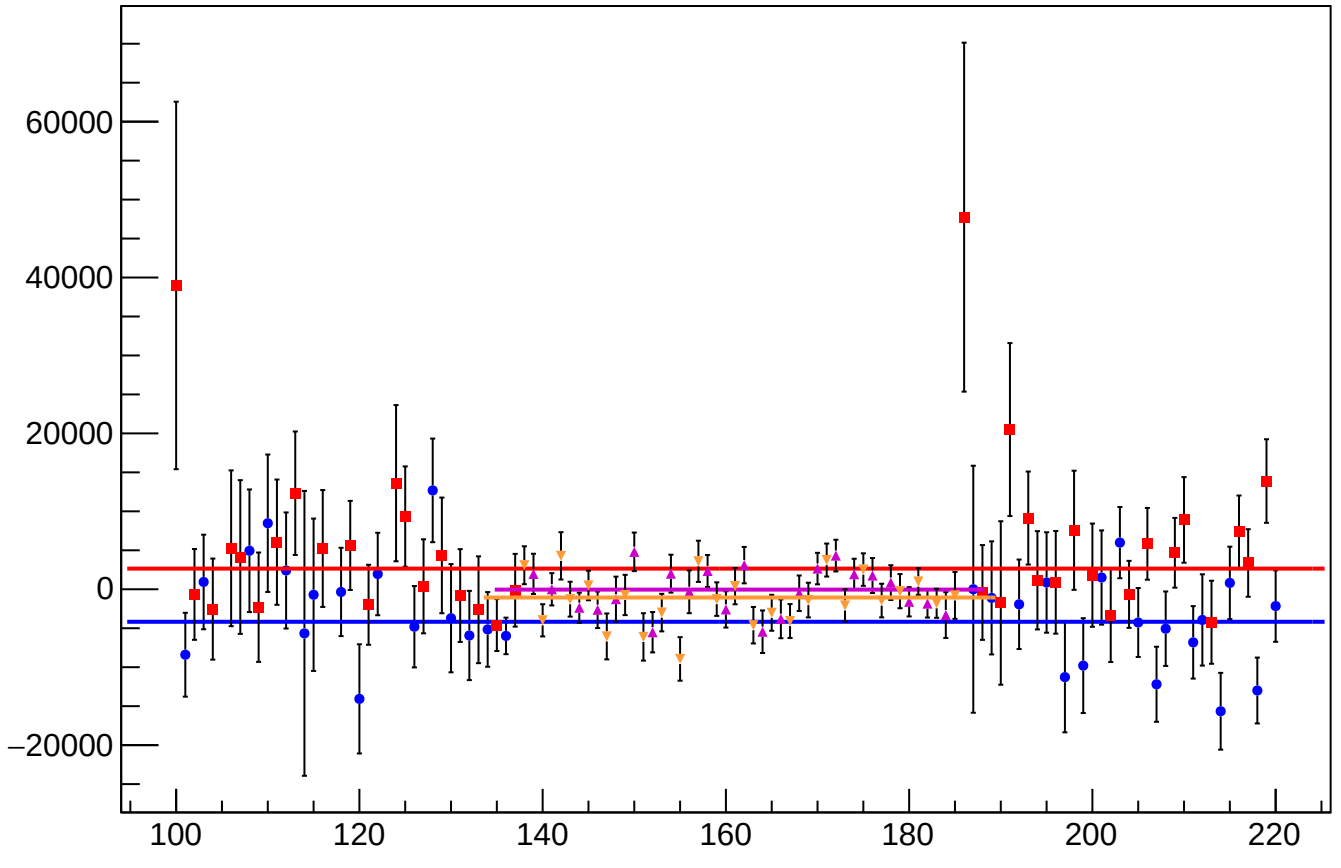
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 302.046+/-0.033 χ^2/NDF: 2811470.2/69

In: 276.487+/-0.032 χ^2/NDF:1716191.9/55

Out: 279.707+/-0.031 χ^2/NDF:2510272.2/61

All: 278.101+/-0.022 χ^2/NDF: 4231682.0/117



Right In: -4172.037+/-932.622 χ^2/NDF: 39.6/32

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 2649.385+/-989.130 χ^2/NDF: 34.7/36

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

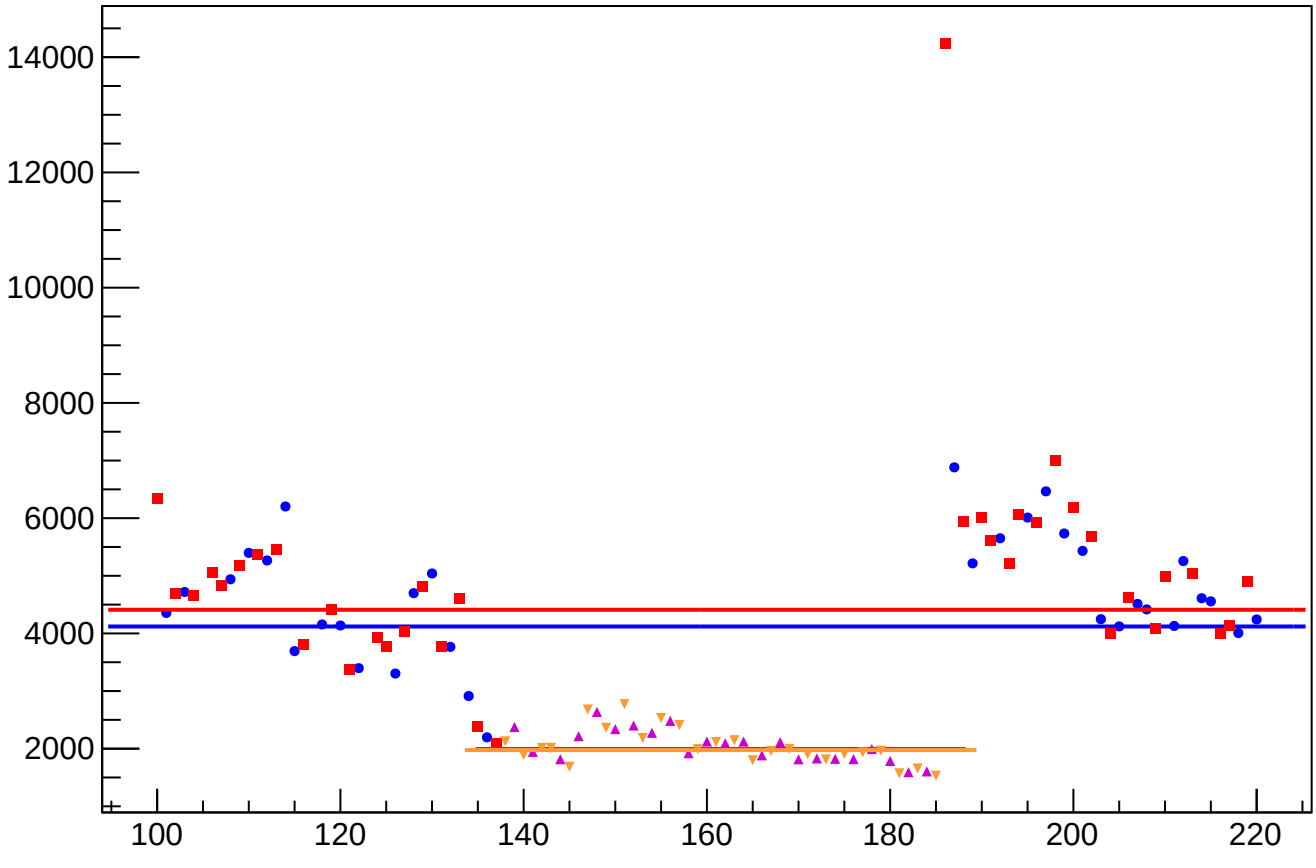
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -961.733+/-678.561 χ^2/NDF: 99.5/69

In: -882.331+/-420.213 χ^2/NDF:89.4/55

Out: -412.356+/-413.103 χ^2/NDF:87.9/61

All: -643.333+/-294.589 χ^2/NDF: 177.8/117



Right In: 4120.485+/-0.659 χ^2/NDF: 2795233.8/32

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

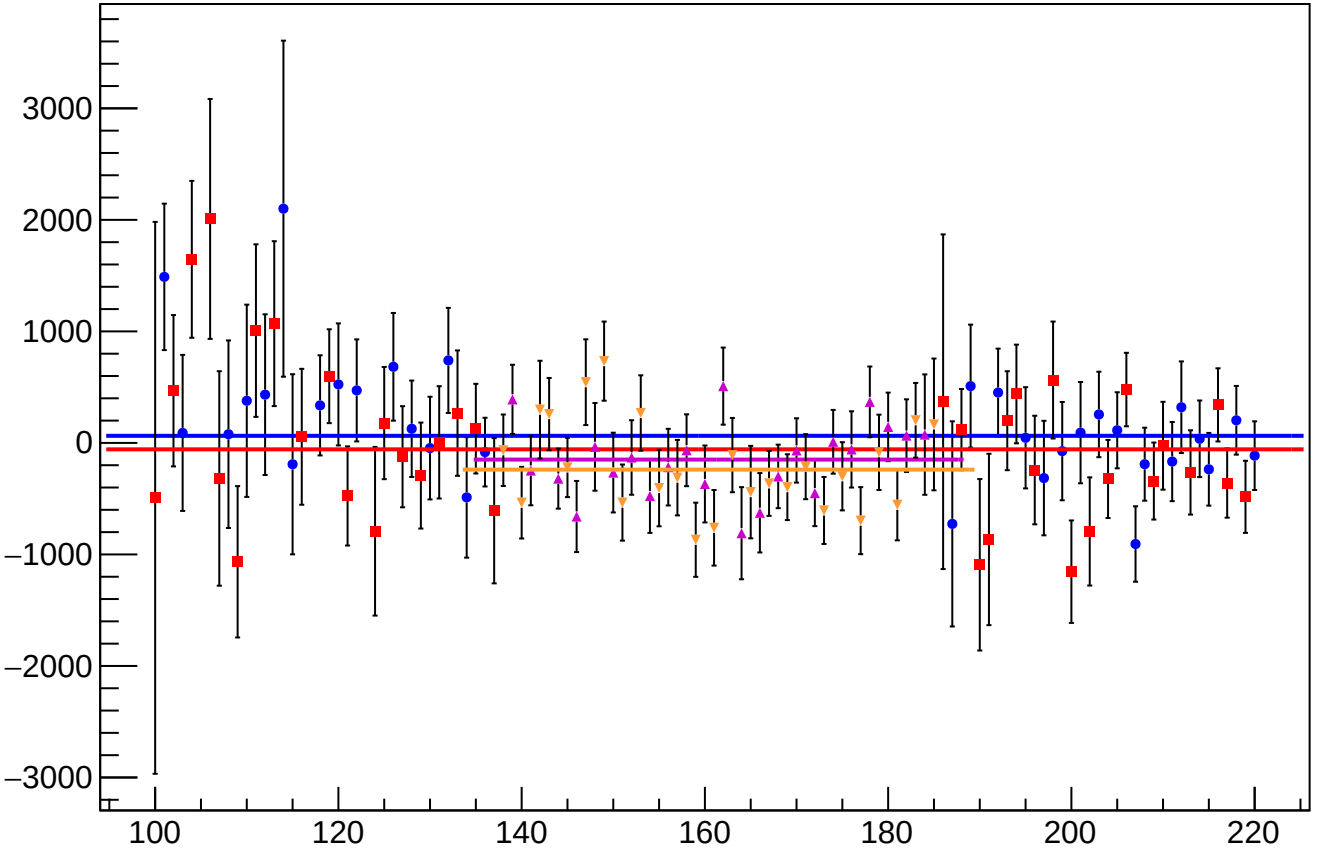
Right: 4257.116+/-0.480 χ^2/NDF: 5848154.8/69

In: 2426.314+/-0.297 χ^2/NDF:11676233.8/55

Out: 2400.665+/-0.292 χ^2/NDF:13730112.6/61

All: 2413.271+/-0.208 χ^2/NDF: 25410135.7/1

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 63.618+/-76.070 χ^2/NDF: 28.3/32

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -57.626+/-78.362 χ^2/NDF: 45.5/36

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

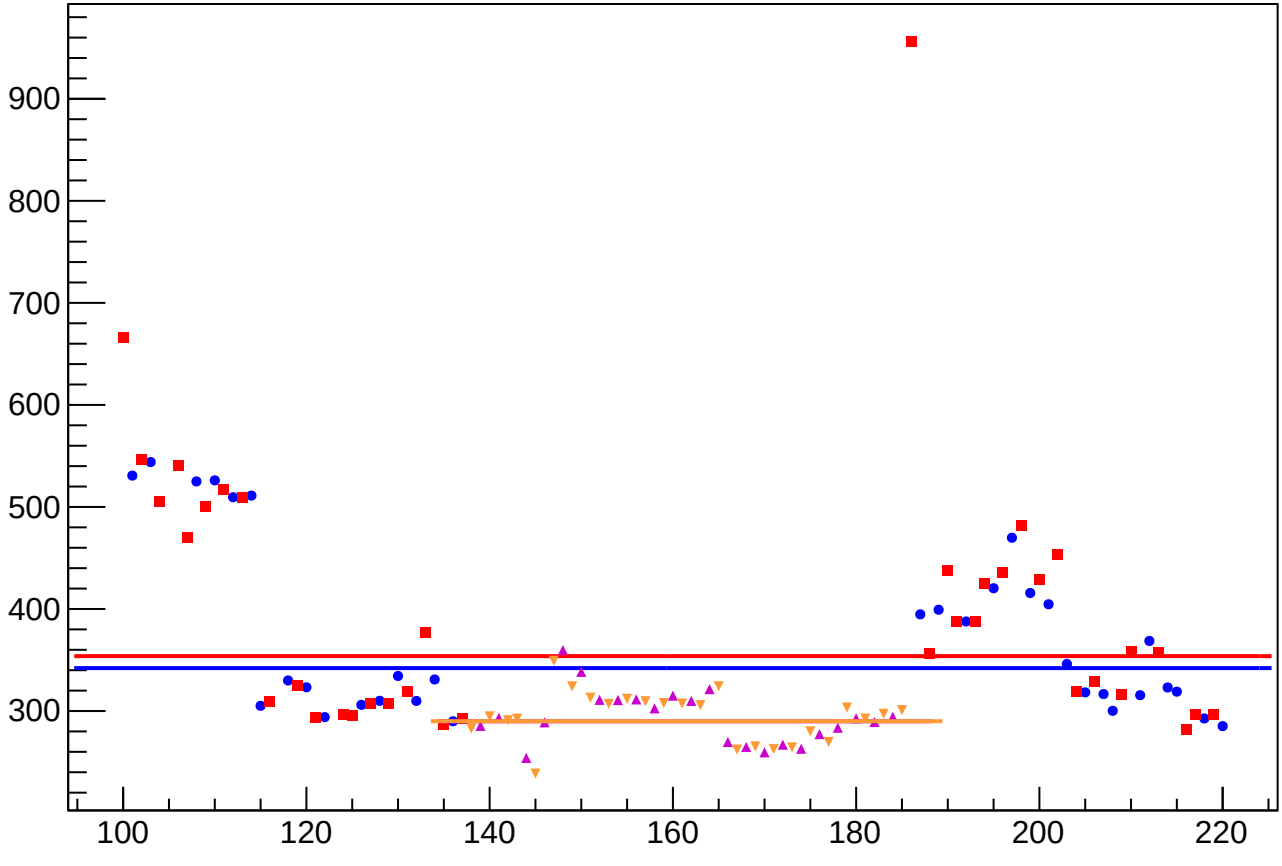
Right: 4.795+/-54.582 χ^2/NDF: 75.0/69

In: -54.604+/-50.763 χ^2/NDF:54.3/55

Out: -163.828+/-50.555 χ^2/NDF:82.7/61

All: -109.441+/-35.821 χ^2/NDF: 139.3/117

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 342.067+/-0.054 χ^2/NDF: 1312356.2/32

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 353.780+/-0.055 χ^2/NDF: 1874497.7/36

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

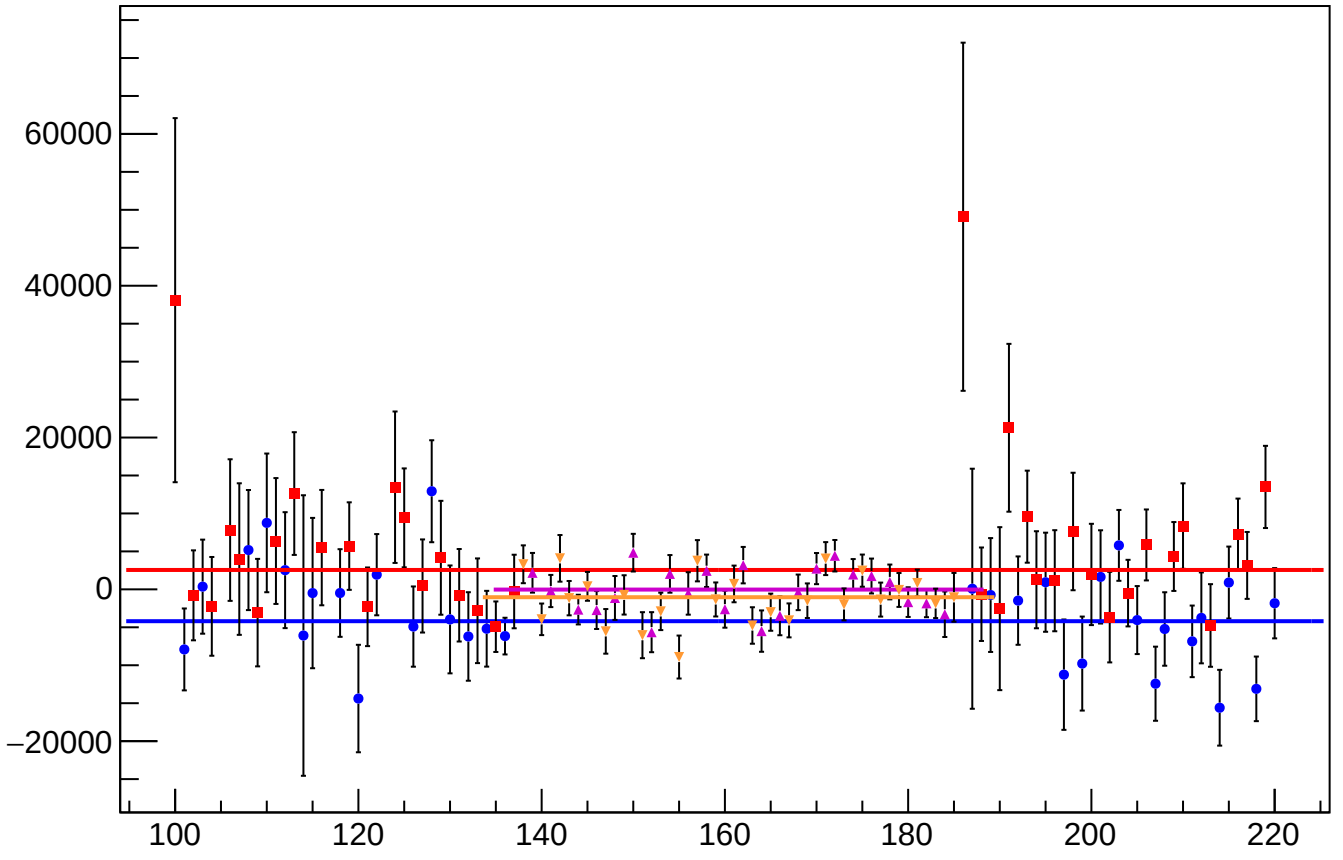
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 347.750+/-0.039 χ^2/NDF: 3209858.6/69

In: 313.154+/-0.036 χ^2/NDF:2102917.0/55

Out: 316.560+/-0.036 χ^2/NDF:2928047.3/61

All: 314.864+/-0.025 χ^2/NDF: 5035485.6/117



Right In: -4195.803+/-949.997 χ^2/NDF: 39.1/32

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 2553.592+/-1001.324 χ^2/NDF: 35.4/36

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

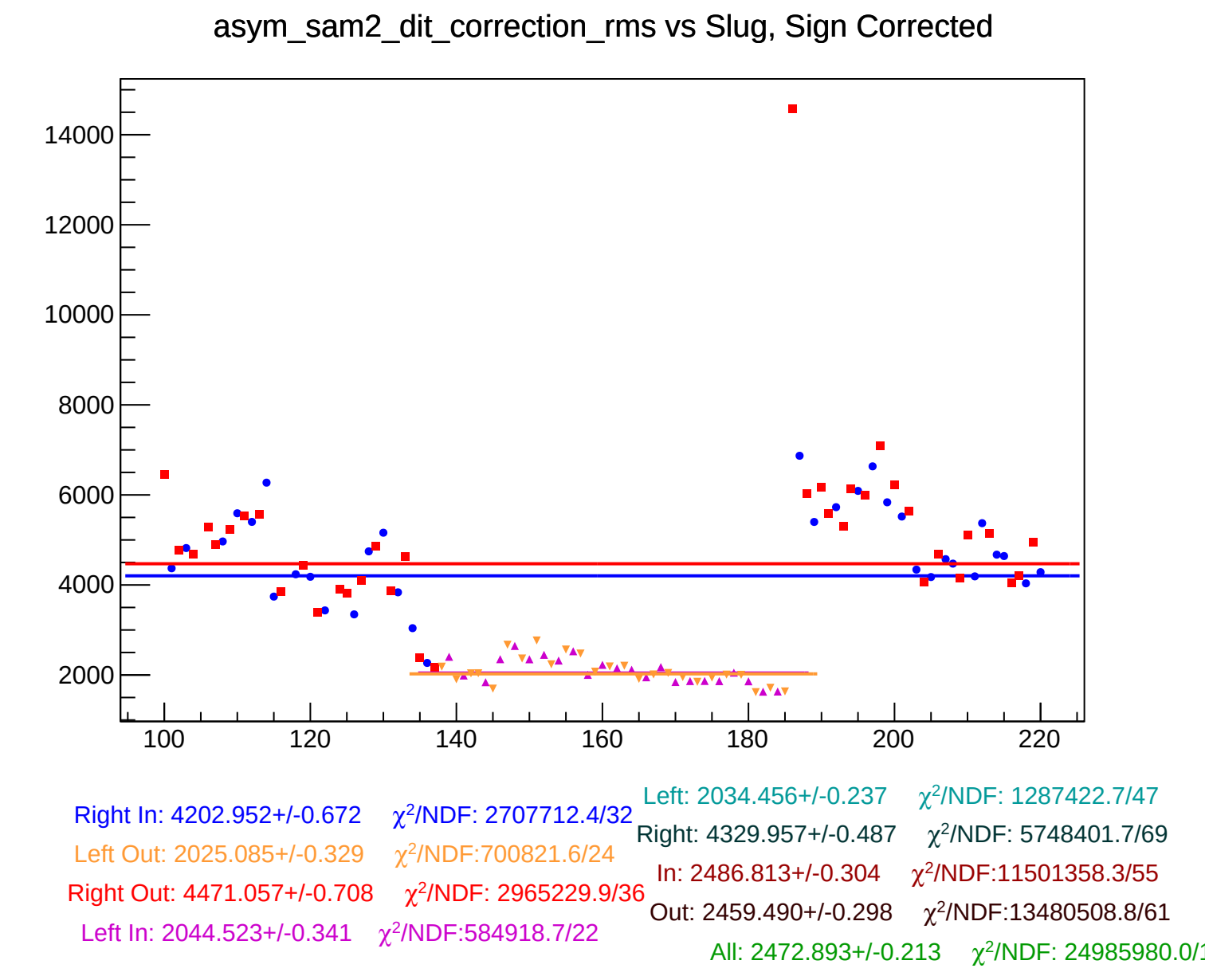
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

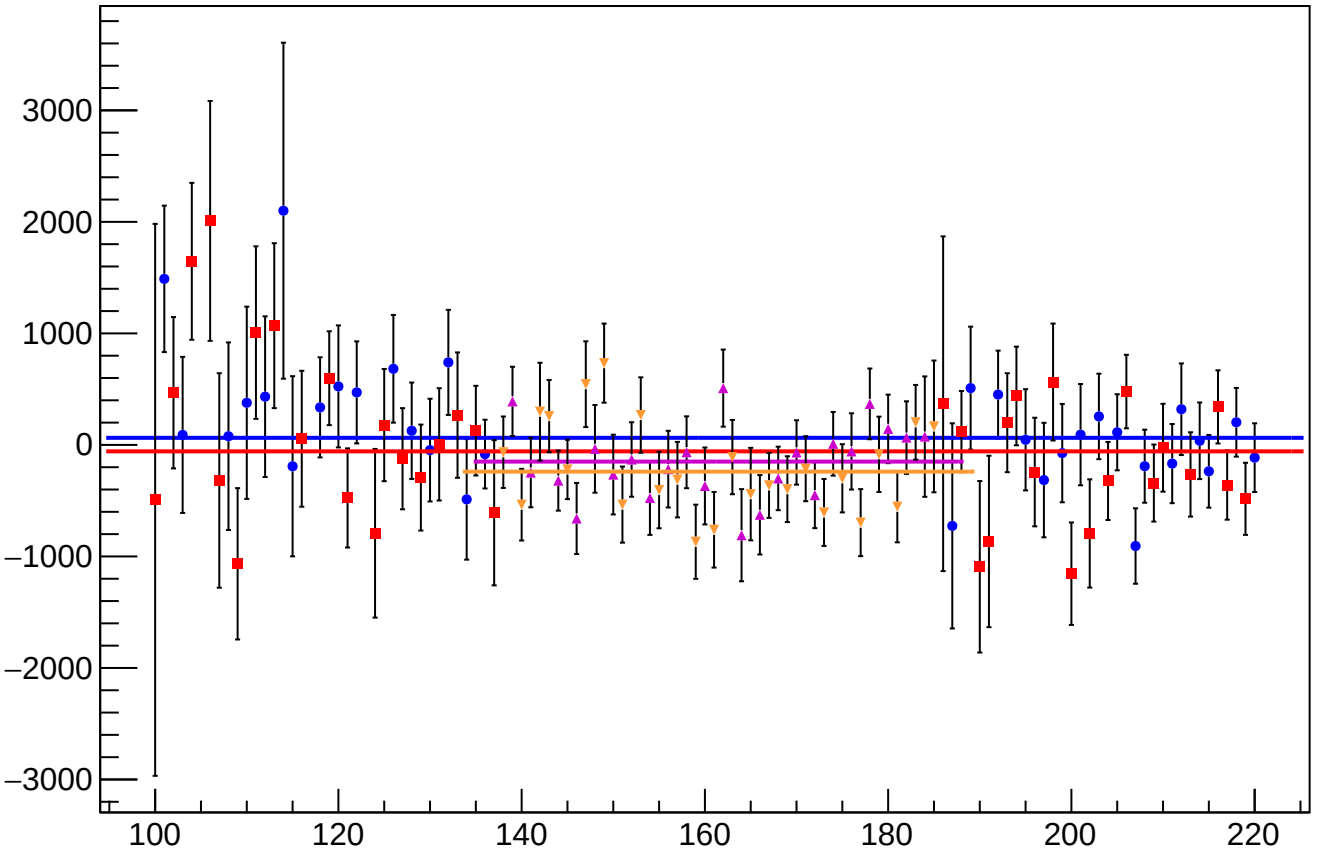
Right: -998.518+/-689.181 χ^2/NDF: 98.4/69

In: -883.940+/-430.038 χ^2/NDF:88.5/55

Out: -398.974+/-421.985 χ^2/NDF:86.3/61

All: -636.873+/-301.195 χ^2/NDF: 175.4/117


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4202.952+/-0.672 χ²/NDF: 2707712.4/32
Left Out: 2025.085+/-0.329 χ²/NDF:700821.6/24
Right Out: 4471.057+/-0.708 χ²/NDF: 2965229.9/36
Left In: 2044.523+/-0.341 χ²/NDF:584918.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287422.7/47
Right: 4329.957+/-0.487 χ²/NDF: 5748401.7/69
In: 2486.813+/-0.304 χ²/NDF:11501358.3/55
Out: 2459.490+/-0.298 χ²/NDF:13480508.8/61
All: 2472.893+/-0.213 χ²/NDF: 24985980.0/



Right In: 63.627+/-76.070 χ^2/NDF: 28.3/32

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -57.629+/-78.361 χ^2/NDF: 45.5/36

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

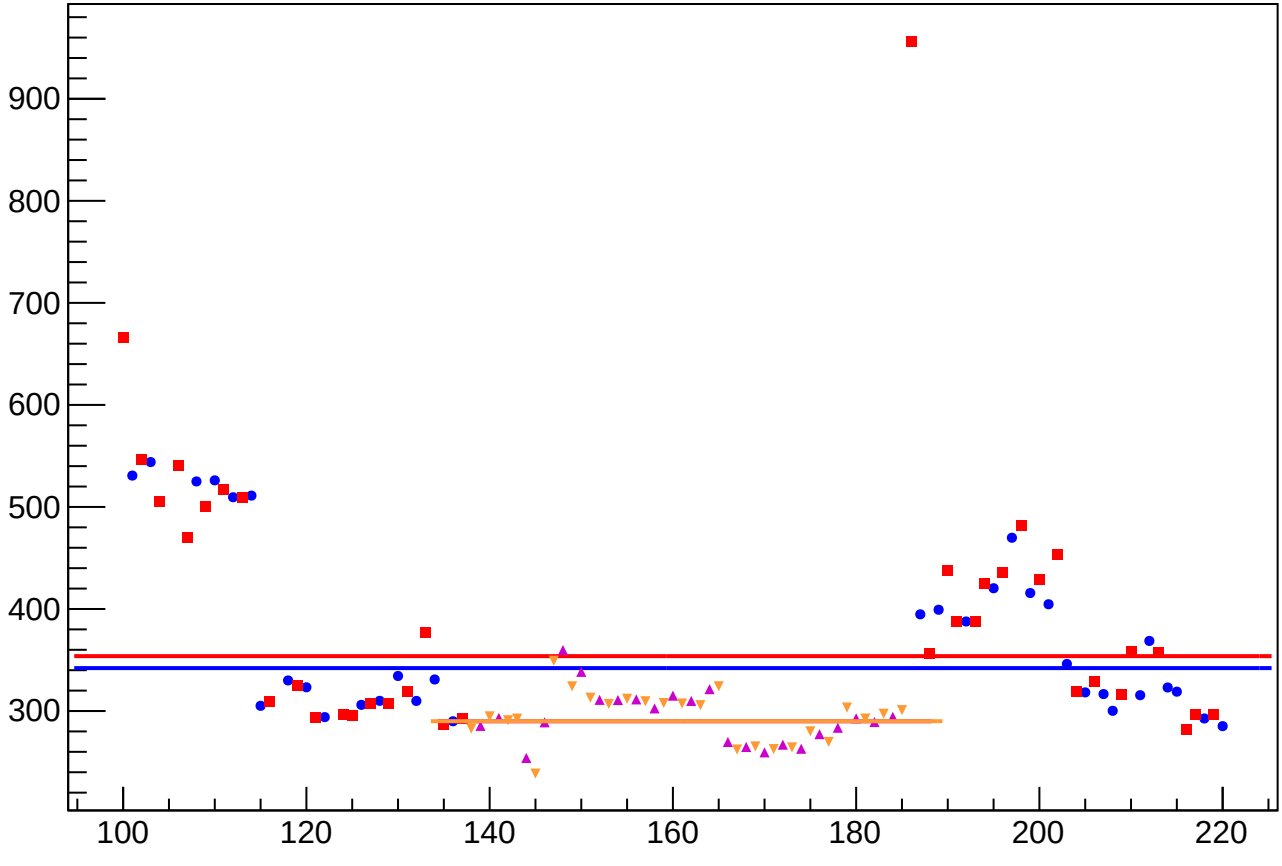
Right: 4.797+/-54.582 χ^2/NDF: 75.0/69

In: -54.601+/-50.763 χ^2/NDF:54.3/55

Out: -163.832+/-50.555 χ^2/NDF:82.7/61

All: -109.441+/-35.821 χ^2/NDF: 139.3/117

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 342.066+/-0.054 χ^2/NDF: 1312354.1/32

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 353.779+/-0.055 χ^2/NDF: 1874487.8/36

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

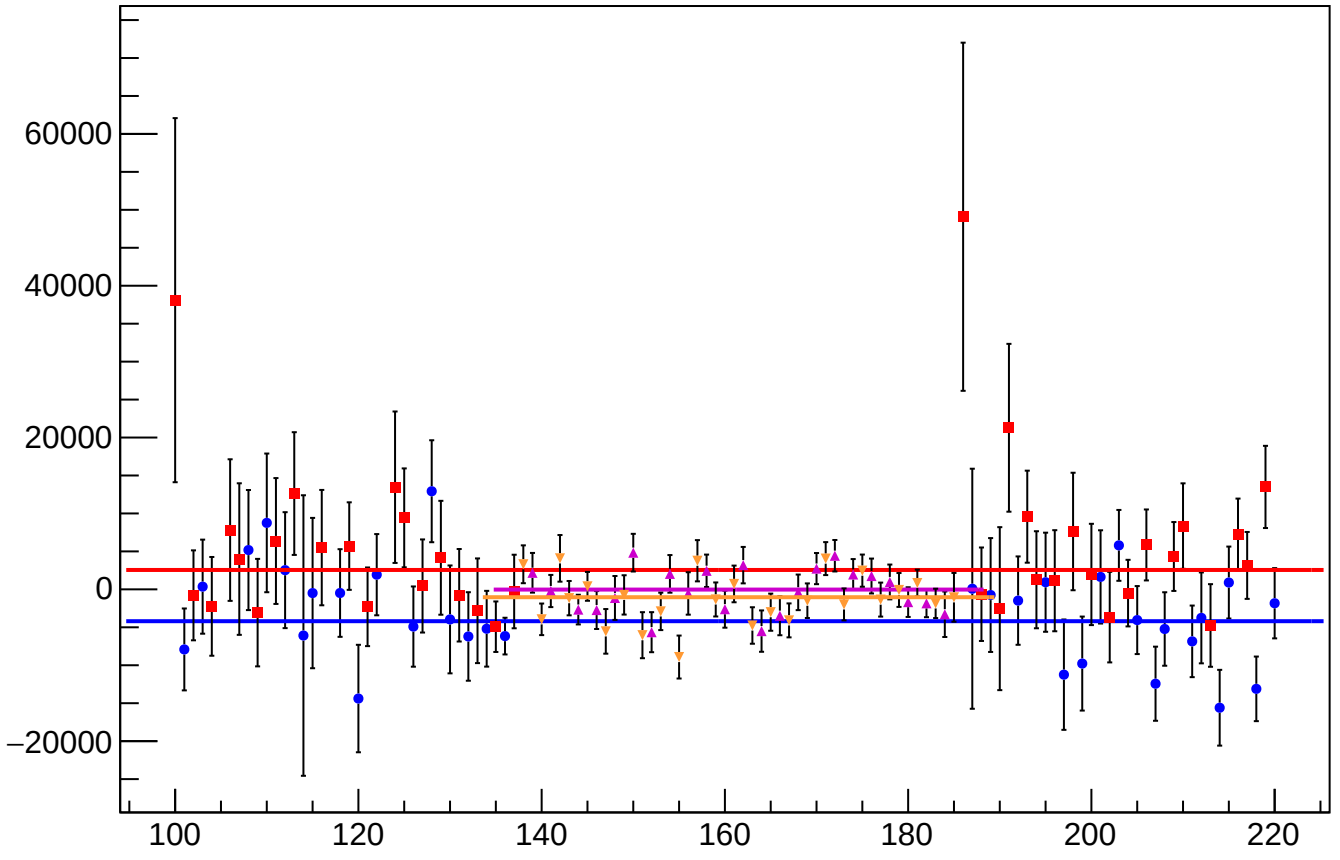
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 347.749+/-0.039 χ^2/NDF: 3209848.3/69

In: 313.153+/-0.036 χ^2/NDF:2102903.5/55

Out: 316.560+/-0.036 χ^2/NDF:2928033.4/61

All: 314.864+/-0.025 χ^2/NDF: 5035458.8/117



Right In: -4195.798+/-949.996 χ^2/NDF: 39.1/32

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 2553.589+/-1001.324 χ^2/NDF: 35.4/36

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

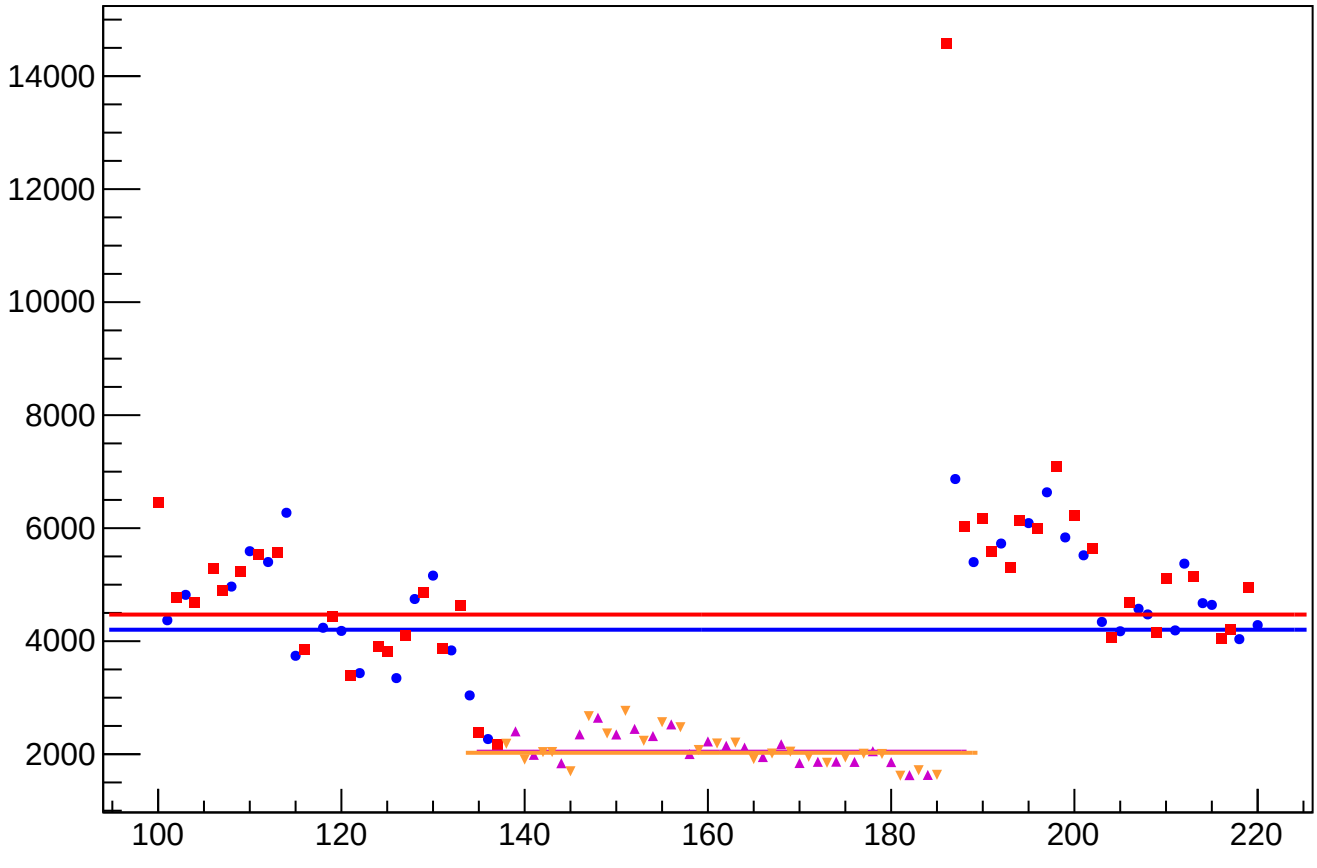
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -998.518+/-689.180 χ^2/NDF: 98.4/69

In: -883.938+/-430.038 χ^2/NDF:88.5/55

Out: -398.973+/-421.985 χ^2/NDF:86.3/61

All: -636.872+/-301.195 χ^2/NDF: 175.4/117



Right In: 4202.949+/-0.672 χ^2/NDF: 2707705.3/32

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4471.055+/-0.708 χ^2/NDF: 2965224.4/36

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

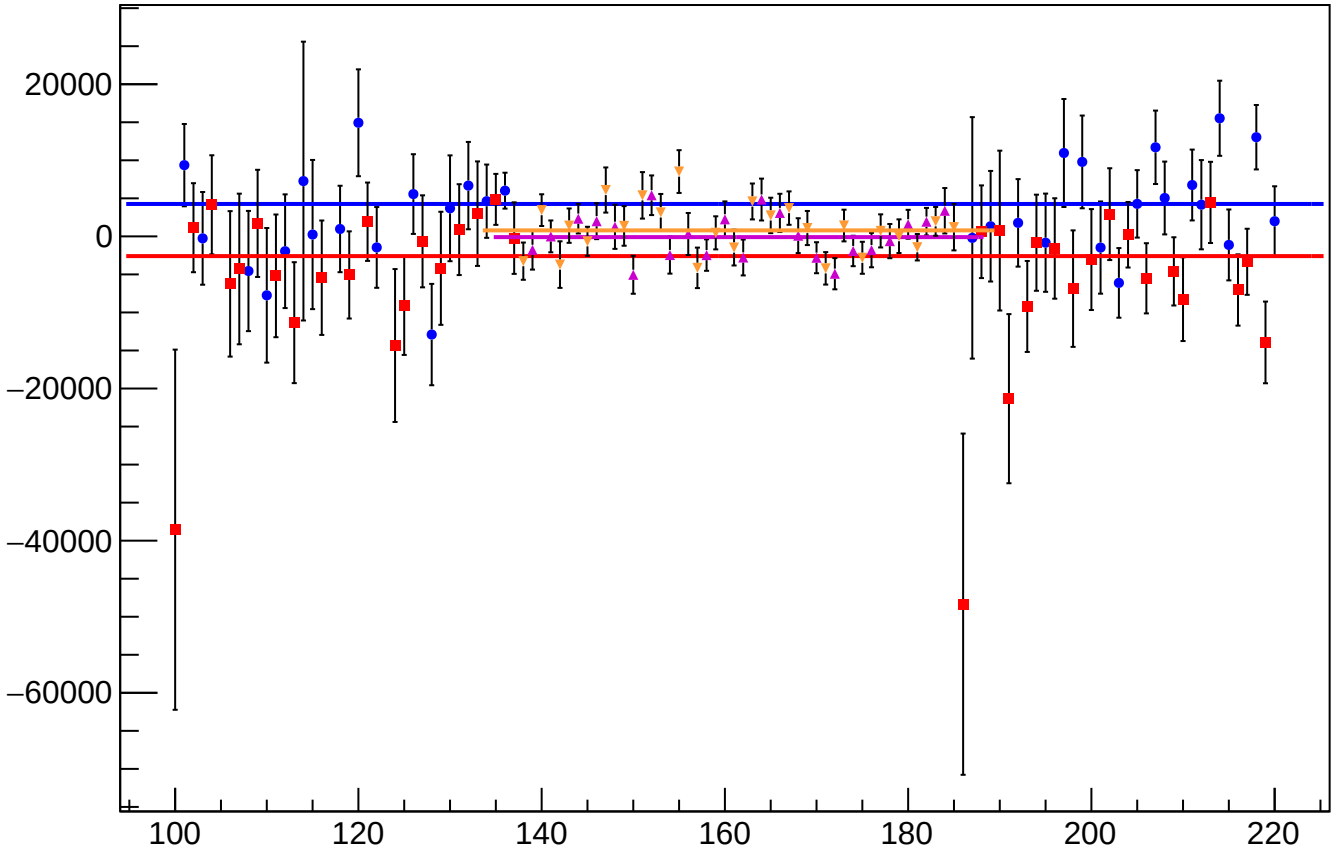
Right: 4329.955+/-0.487 χ^2/NDF: 5748389.4/69

In: 2486.812+/-0.304 χ^2/NDF:11501346.7/55

Out: 2459.491+/-0.298 χ^2/NDF:13480496.5/61

All: 2472.893+/-0.213 χ^2/NDF: 24985955.9/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 4260.598+/-935.723 χ^2/NDF: 39.2/32

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -2592.196+/-991.542 χ^2/NDF: 34.6/36

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

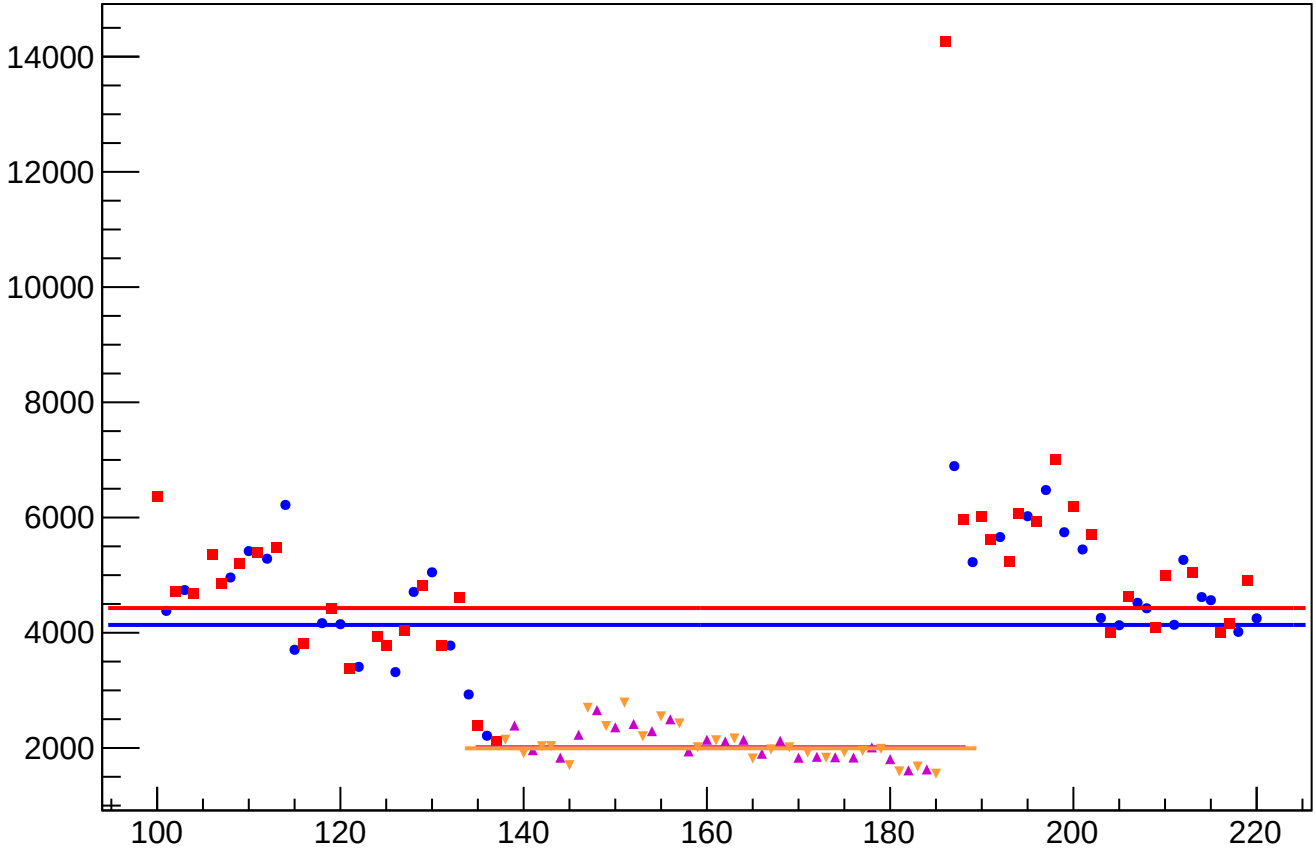
Right: 1032.512+/-680.534 χ^2/NDF: 99.1/69

In: 795.519+/-423.429 χ^2/NDF:89.3/55

Out: 192.335+/-416.330 χ^2/NDF:85.5/61

All: 488.829+/-296.868 χ^2/NDF: 175.8/117

asym_sam2_rms vs Slug, Sign Corrected



Right In: 4136.020+/-0.662 χ^2/NDF: 2762444.5/32

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4428.747+/-0.701 χ^2/NDF: 2949094.2/36

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

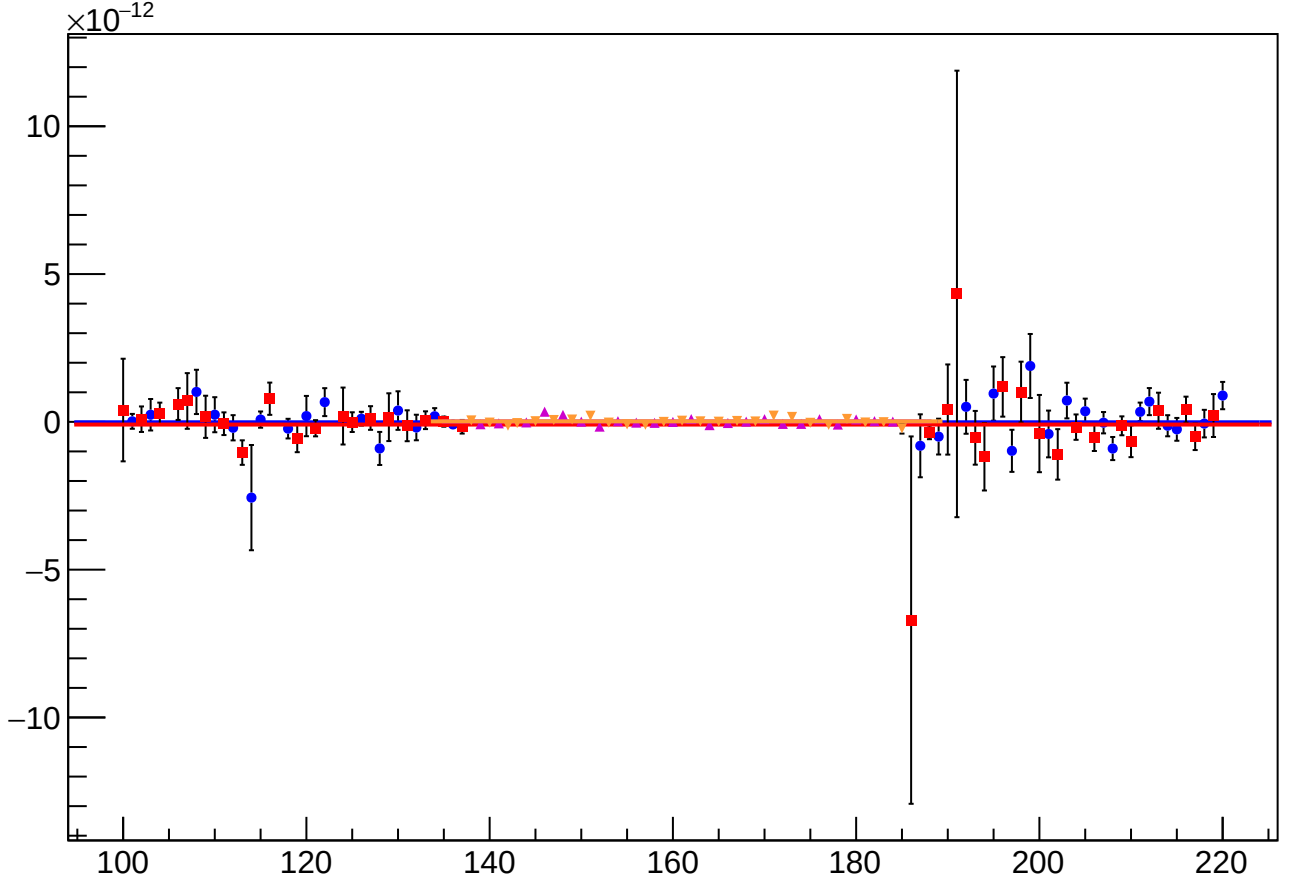
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4273.912+/-0.481 χ^2/NDF: 5803740.1/69

In: 2447.485+/-0.299 χ^2/NDF:11539310.1/55

Out: 2423.449+/-0.294 χ^2/NDF:13626675.9/61

All: 2435.264+/-0.210 χ^2/NDF: 25169262.9/



Right In: -0.000+/-0.000 χ^2/NDF: 35.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/36

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

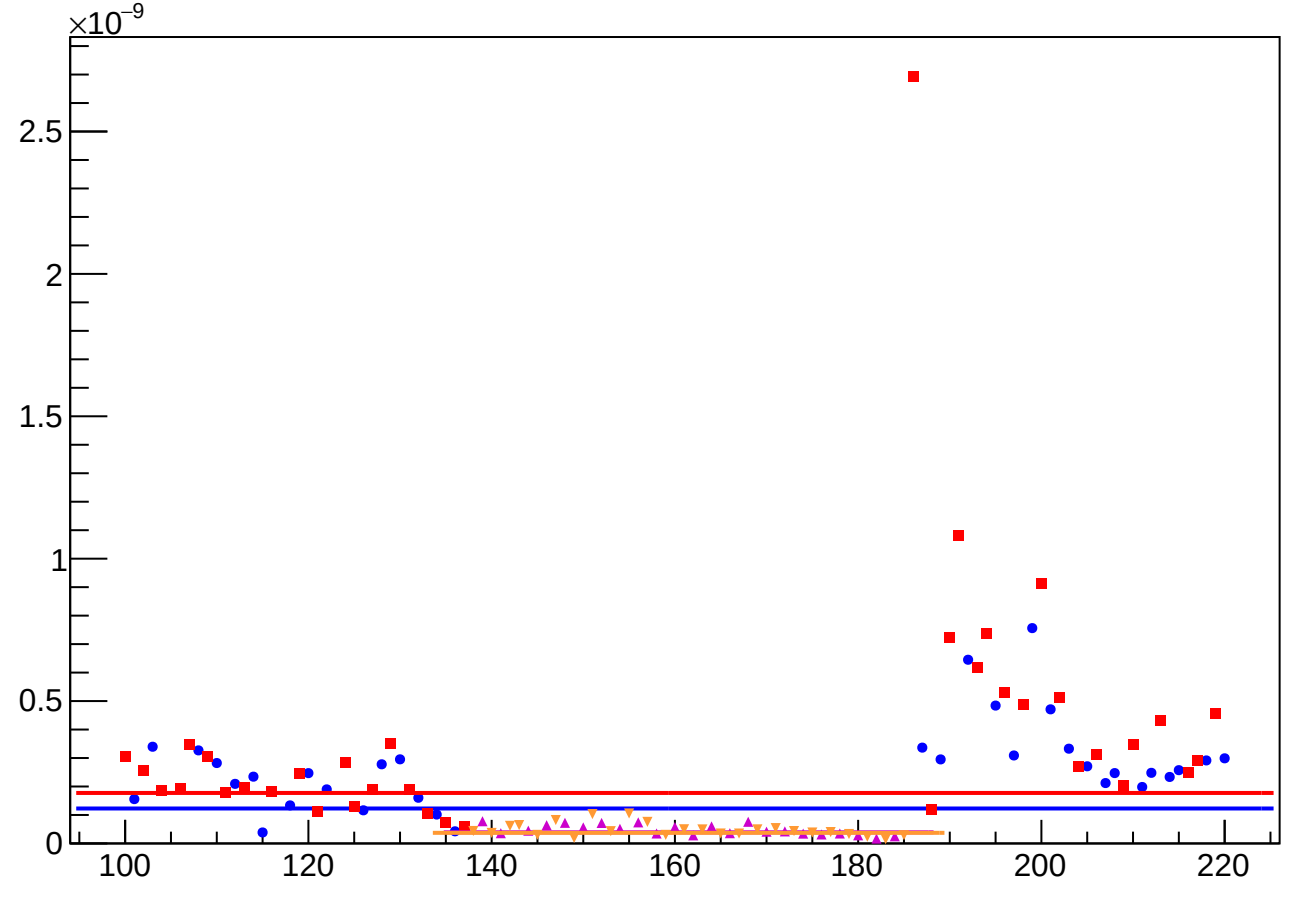
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 63.2/69

In: 0.000+/-0.000 χ^2/NDF:66.1/55

Out: 0.000+/-0.000 χ^2/NDF:50.7/61

All: 0.000+/-0.000 χ^2/NDF: 116.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 8044695.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6258608.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

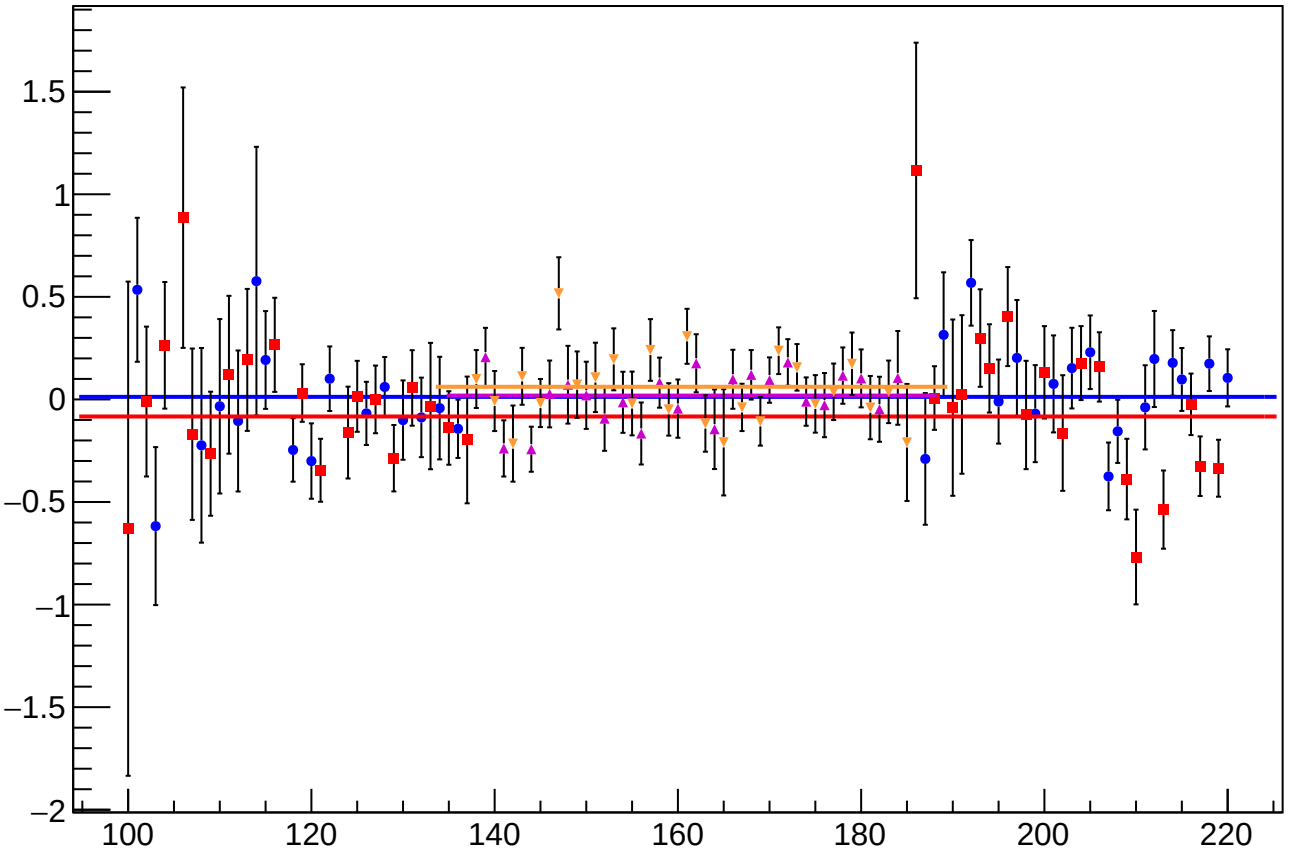
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15061562.9/69

In: 0.000+/-0.000 χ^2/NDF:14371135.0/55

Out: 0.000+/-0.000 χ^2/NDF:16145413.3/61

All: 0.000+/-0.000 χ^2/NDF: 30544279.6/117



Right In: 0.012+/-0.034 χ^2/NDF: 37.1/32

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

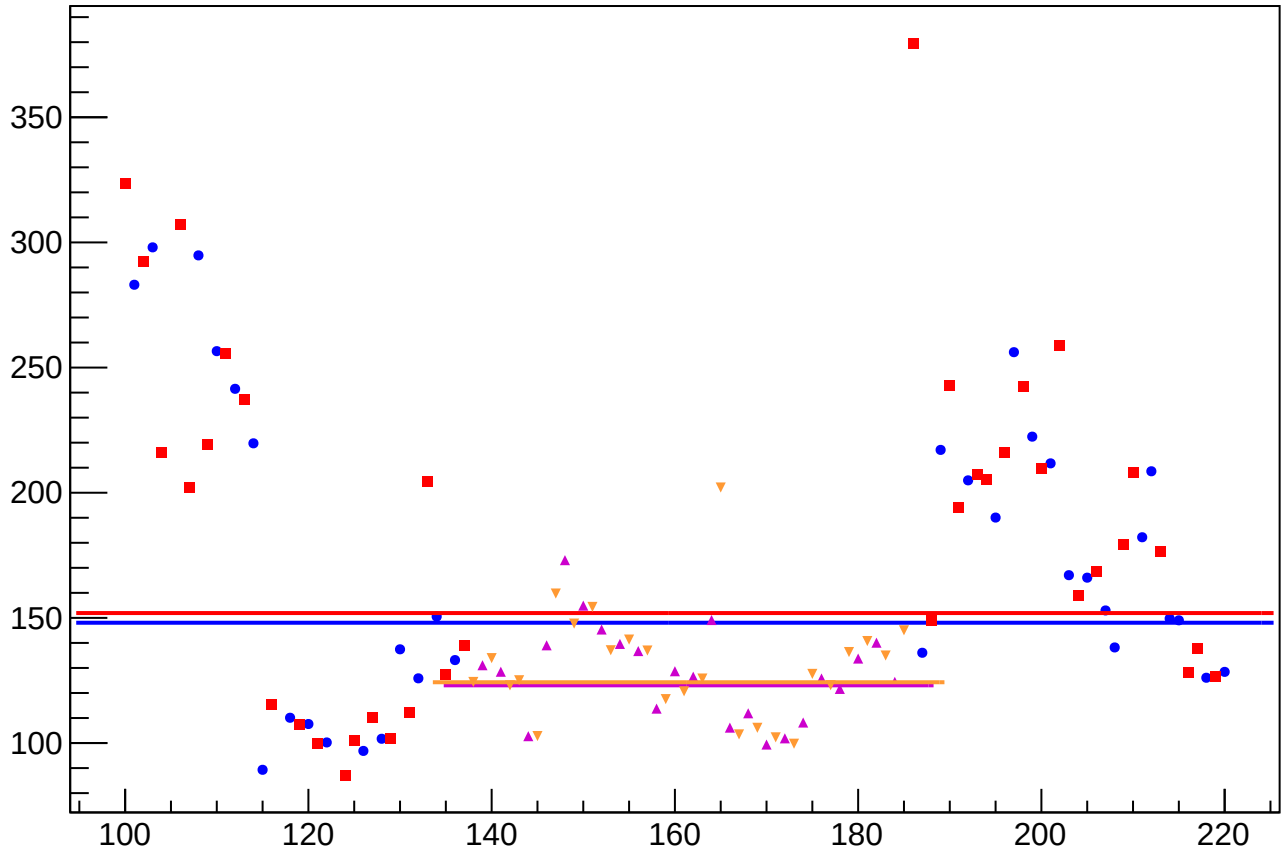
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.034+/-0.024 χ^2/NDF: 95.4/69

In: 0.016+/-0.022 χ^2/NDF:57.4/55

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.010+/-0.016 χ^2/NDF: 149.7/117



Right In: 148.064+/-0.024 χ^2/NDF: 3400171.5/32

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

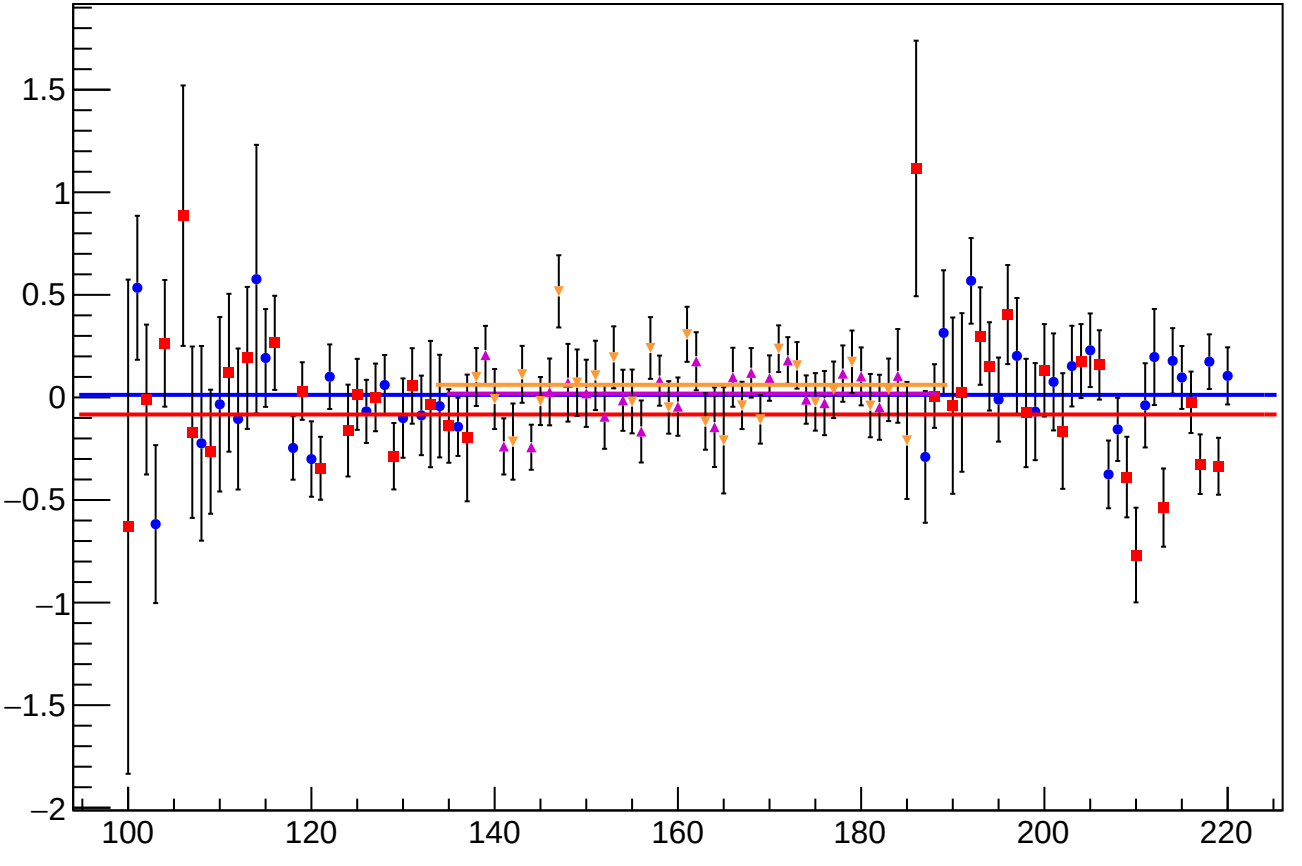
Right: 149.953+/-0.017 χ^2/NDF: 7441228.4/69

In: 133.665+/-0.016 χ^2/NDF:4735320.3/55

Out: 135.399+/-0.016 χ^2/NDF:5615957.4/61

All: 134.535+/-0.011 χ^2/NDF: 10357367.5/11

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.034 χ^2/NDF: 37.1/32

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

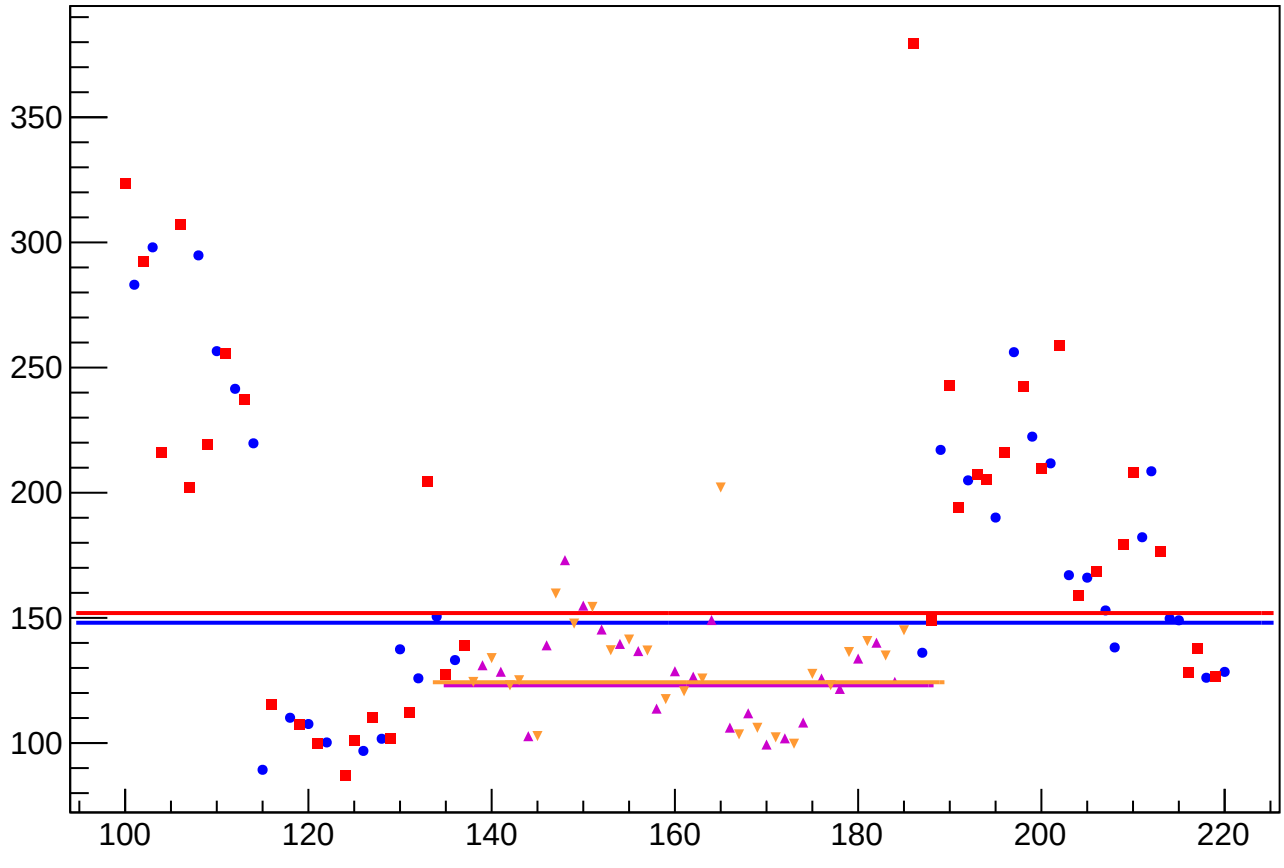
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.034+/-0.024 χ^2/NDF: 95.4/69

In: 0.016+/-0.022 χ^2/NDF:57.4/55

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.010+/-0.016 χ^2/NDF: 149.7/117



Right In: 148.064+/-0.024 χ^2/NDF: 3400171.5/32

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

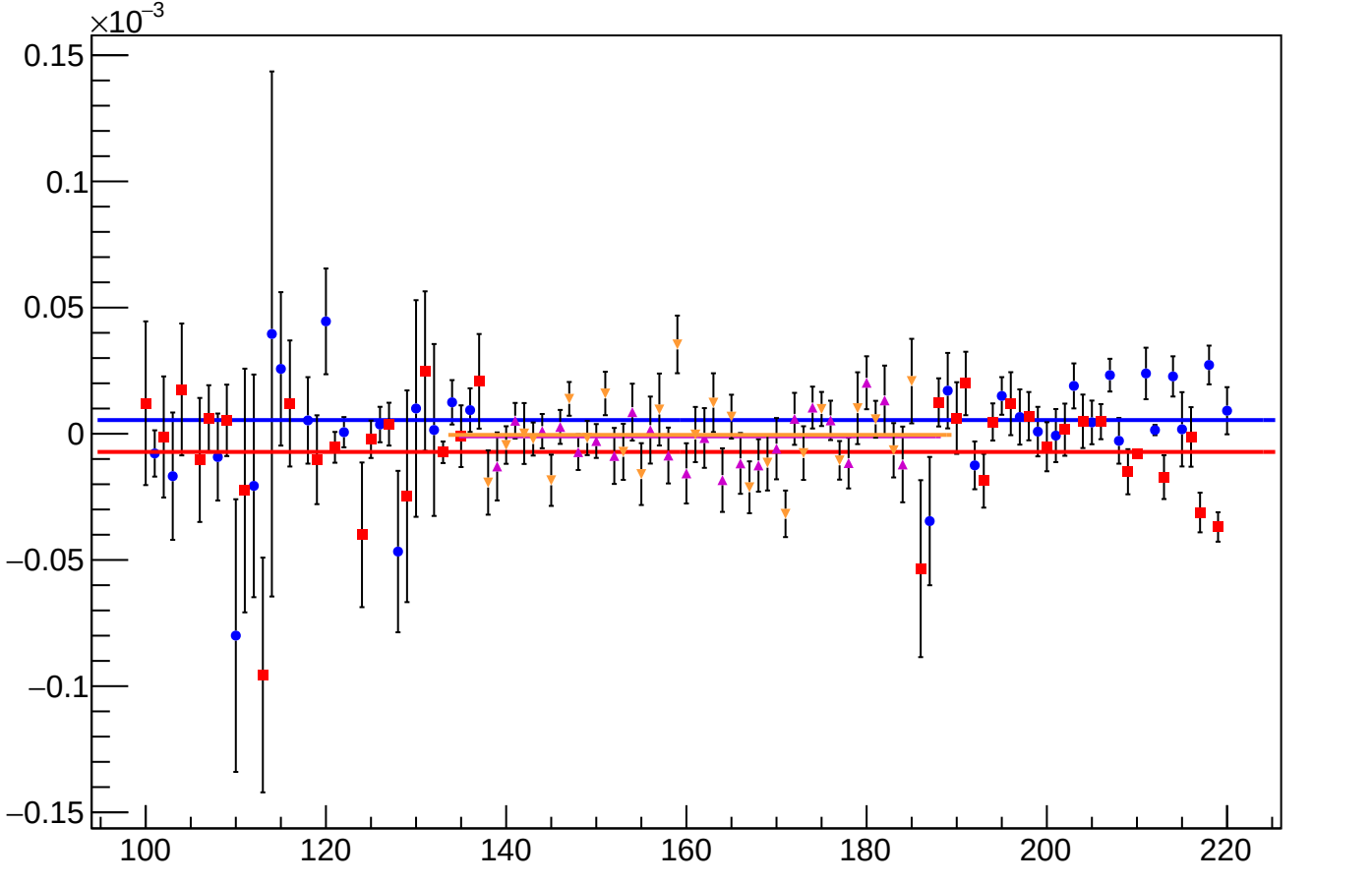
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 149.953+/-0.017 χ^2/NDF: 7441228.4/69

In: 133.665+/-0.016 χ^2/NDF:4735320.3/55

Out: 135.399+/-0.016 χ^2/NDF:5615957.4/61

All: 134.535+/-0.011 χ^2/NDF: 10357367.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 54.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 77.6/36

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

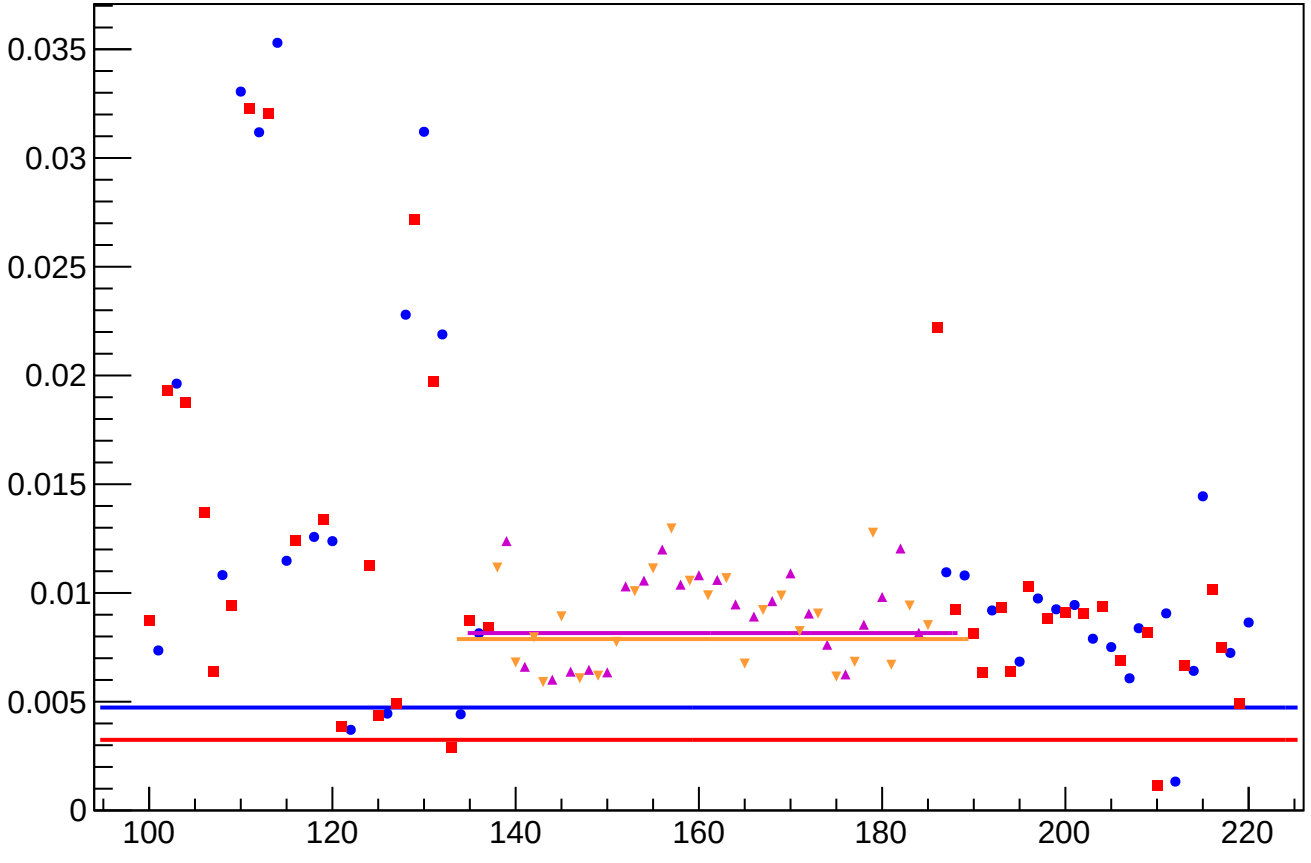
Right: -0.000+/-0.000 χ^2/NDF: 185.0/69

In: 0.000+/-0.000 χ^2/NDF:81.3/55

Out: -0.000+/-0.000 χ^2/NDF:140.1/61

All: -0.000+/-0.000 χ^2/NDF: 258.9/117

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 16233097.0/32

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20964546.1/36

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

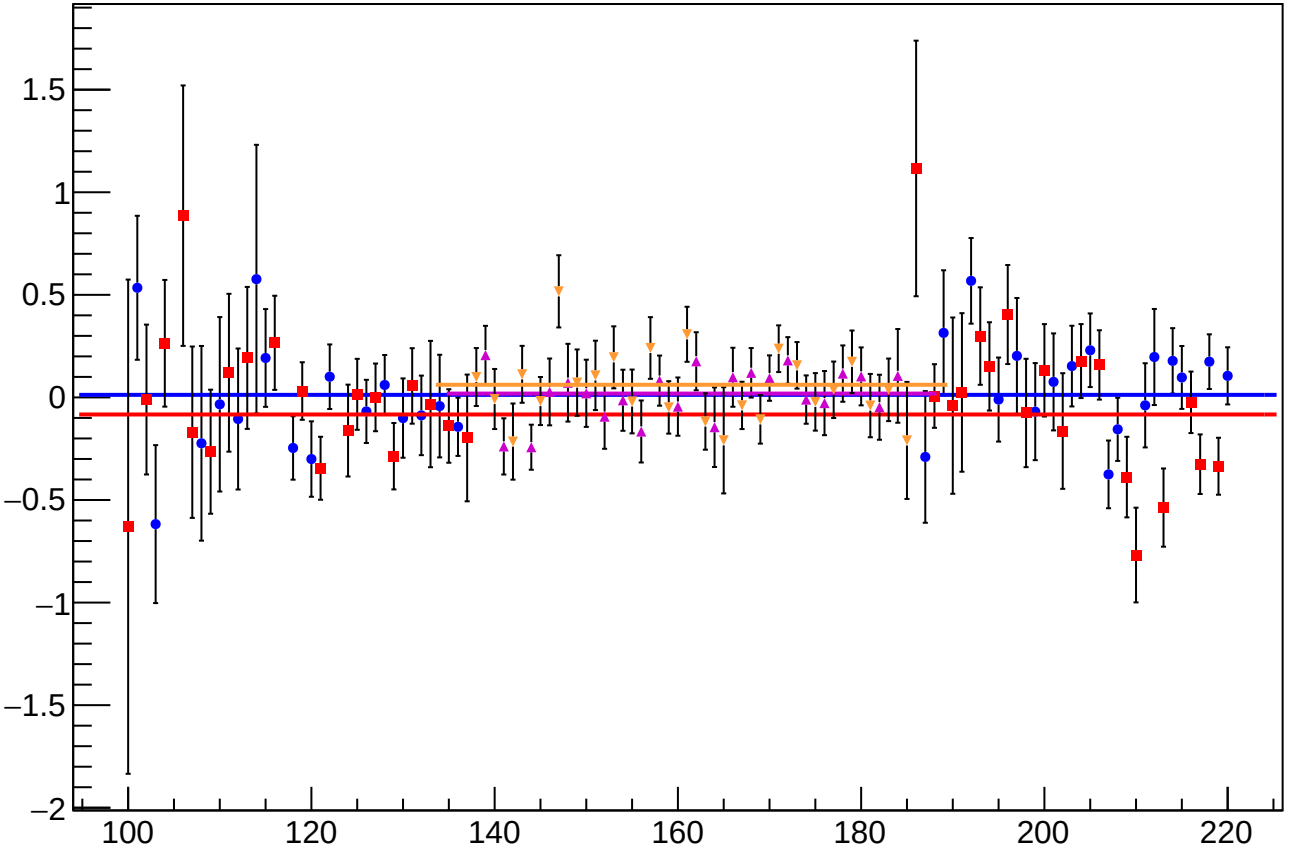
Right: 0.004+/-0.000 χ^2/NDF: 38668429.3/69

In: 0.006+/-0.000 χ^2/NDF:22262726.2/55

Out: 0.004+/-0.000 χ^2/NDF:32527990.6/61

All: 0.005+/-0.000 χ^2/NDF: 56872532.9/117

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.034 χ^2/NDF: 37.1/32

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

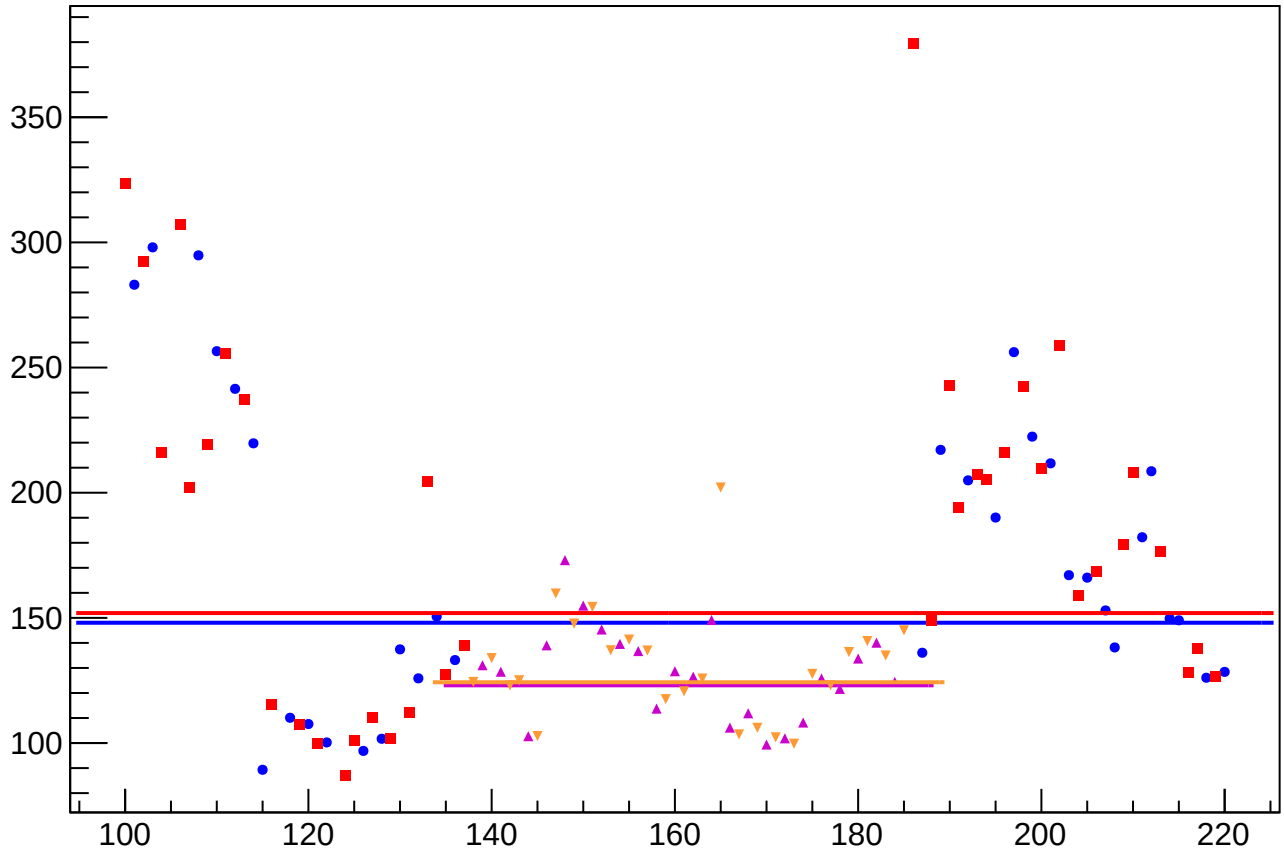
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.034+/-0.024 χ^2/NDF: 95.4/69

In: 0.016+/-0.022 χ^2/NDF:57.4/55

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.010+/-0.016 χ^2/NDF: 149.7/117



Right In: 148.062+/-0.024 χ^2/NDF: 3400255.1/32

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

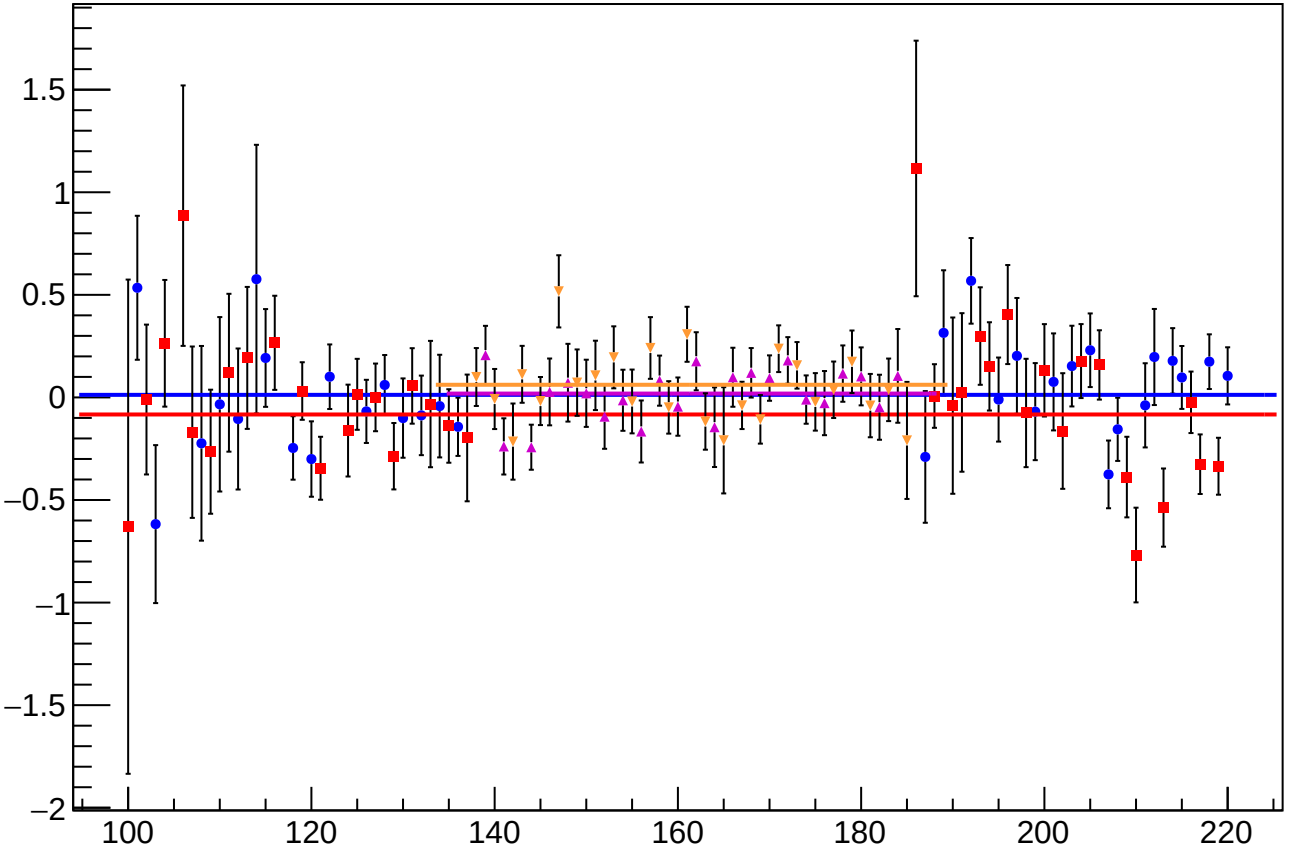
Right: 149.951+/-0.017 χ^2/NDF: 7441438.2/69

In: 133.664+/-0.016 χ^2/NDF:4735343.9/55

Out: 135.398+/-0.016 χ^2/NDF:5616041.0/61

All: 134.534+/-0.011 χ^2/NDF: 10357475.7/11

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.034 χ^2/NDF: 37.1/32

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

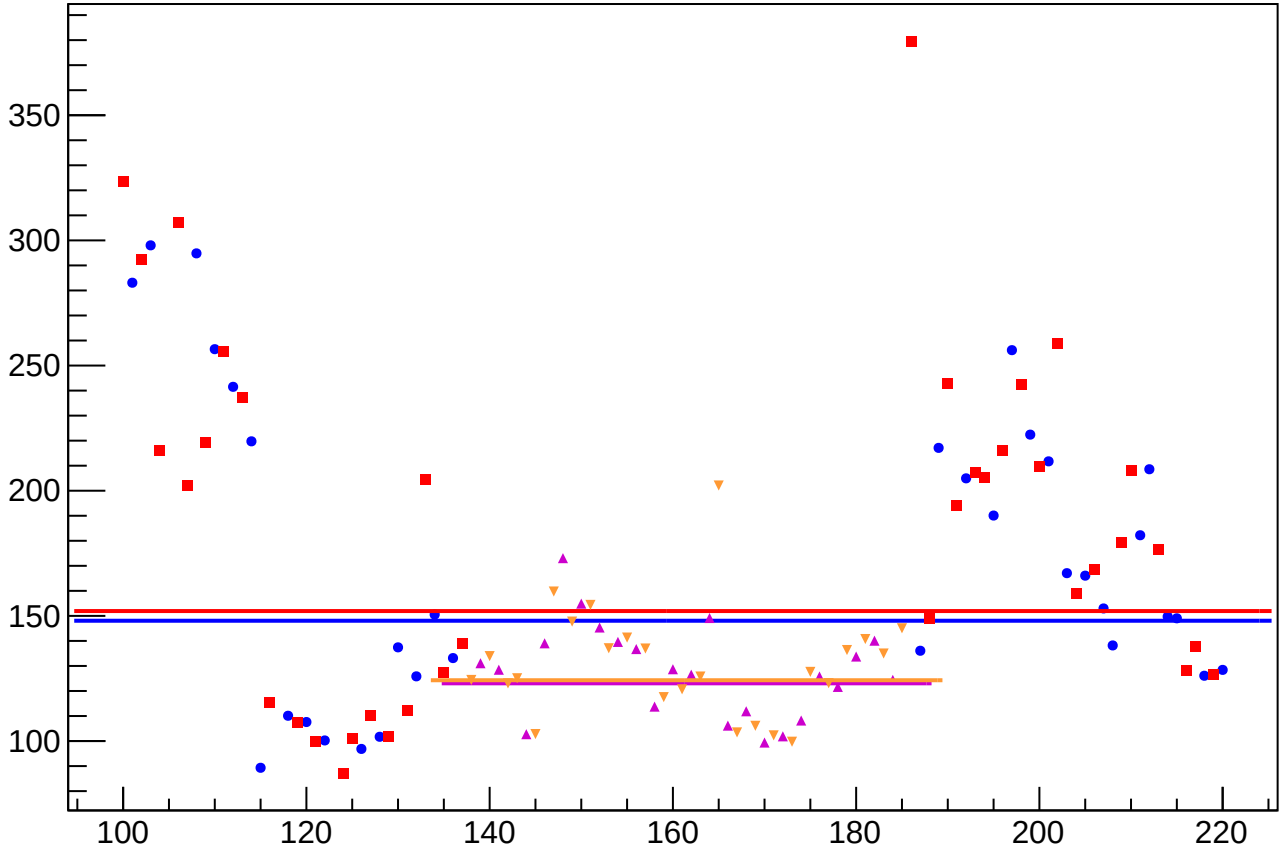
Right: -0.034+/-0.024 χ^2/NDF: 95.4/69

In: 0.016+/-0.022 χ^2/NDF:57.4/55

Out: 0.003+/-0.022 χ^2/NDF:92.1/61

All: 0.010+/-0.016 χ^2/NDF: 149.7/117

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.062+/-0.024 χ^2/NDF: 3400255.1/32

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

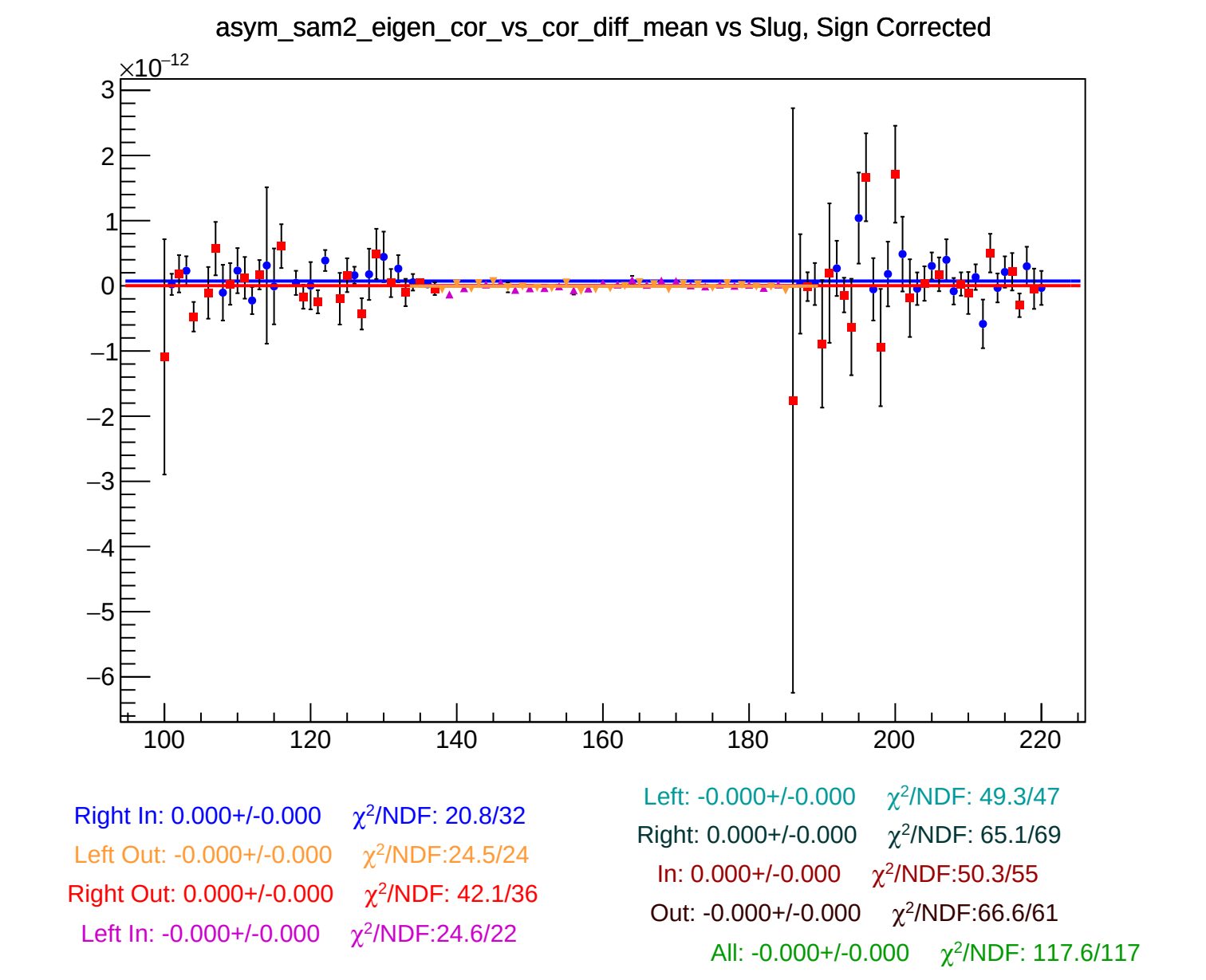
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

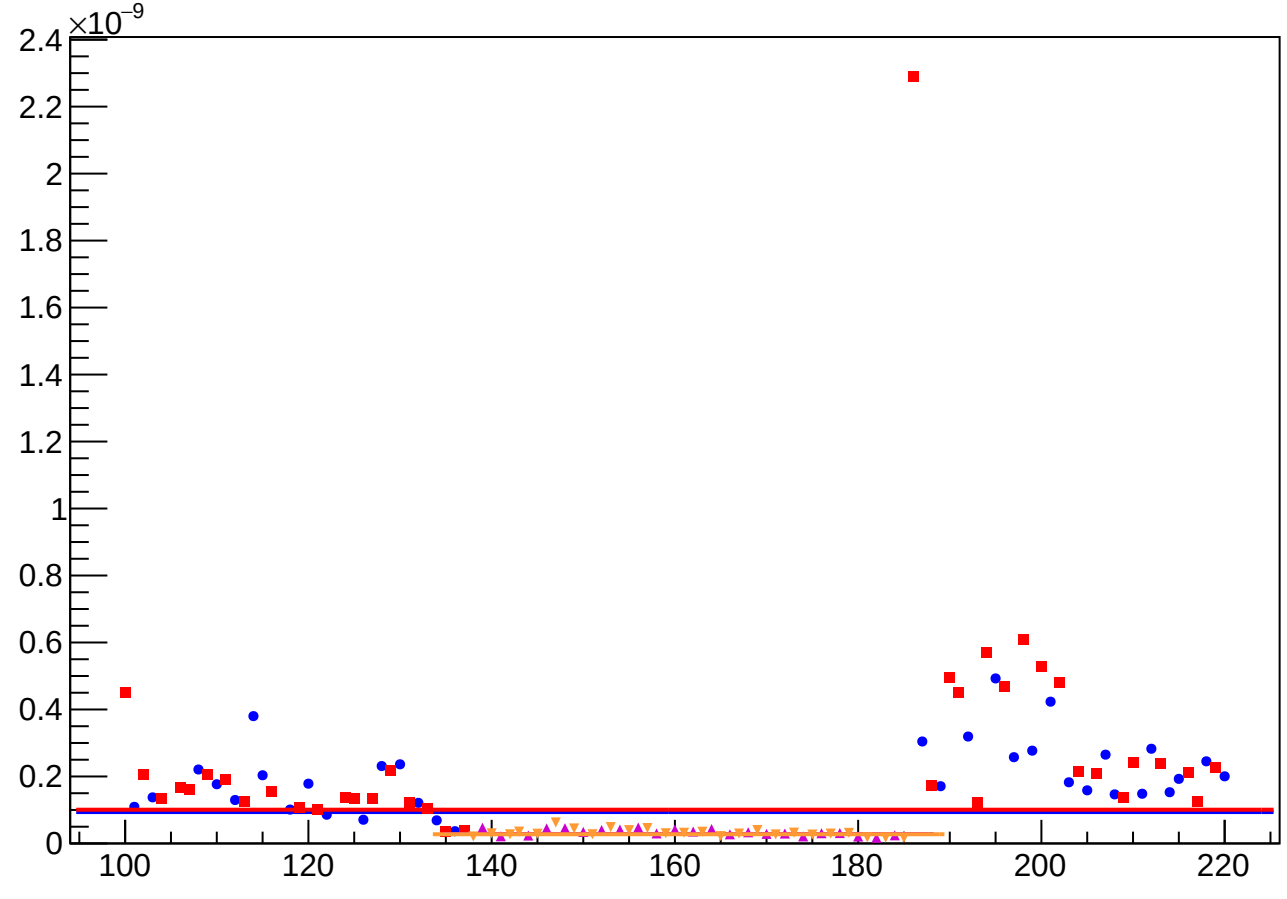
Right: 149.951+/-0.017 χ^2/NDF: 7441438.2/69

In: 133.664+/-0.016 χ^2/NDF:4735343.9/55

Out: 135.398+/-0.016 χ^2/NDF:5616041.0/61

All: 134.534+/-0.011 χ^2/NDF: 10357475.7/11


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 20.8/32
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.1/36
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: 65.1/69
In: 0.000+/-0.000 χ²/NDF:50.3/55
Out: -0.000+/-0.000 χ²/NDF:66.6/61
All: -0.000+/-0.000 χ²/NDF: 117.6/117



Right In: 0.000+/-0.000 χ^2/NDF: 10102803.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11641702.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

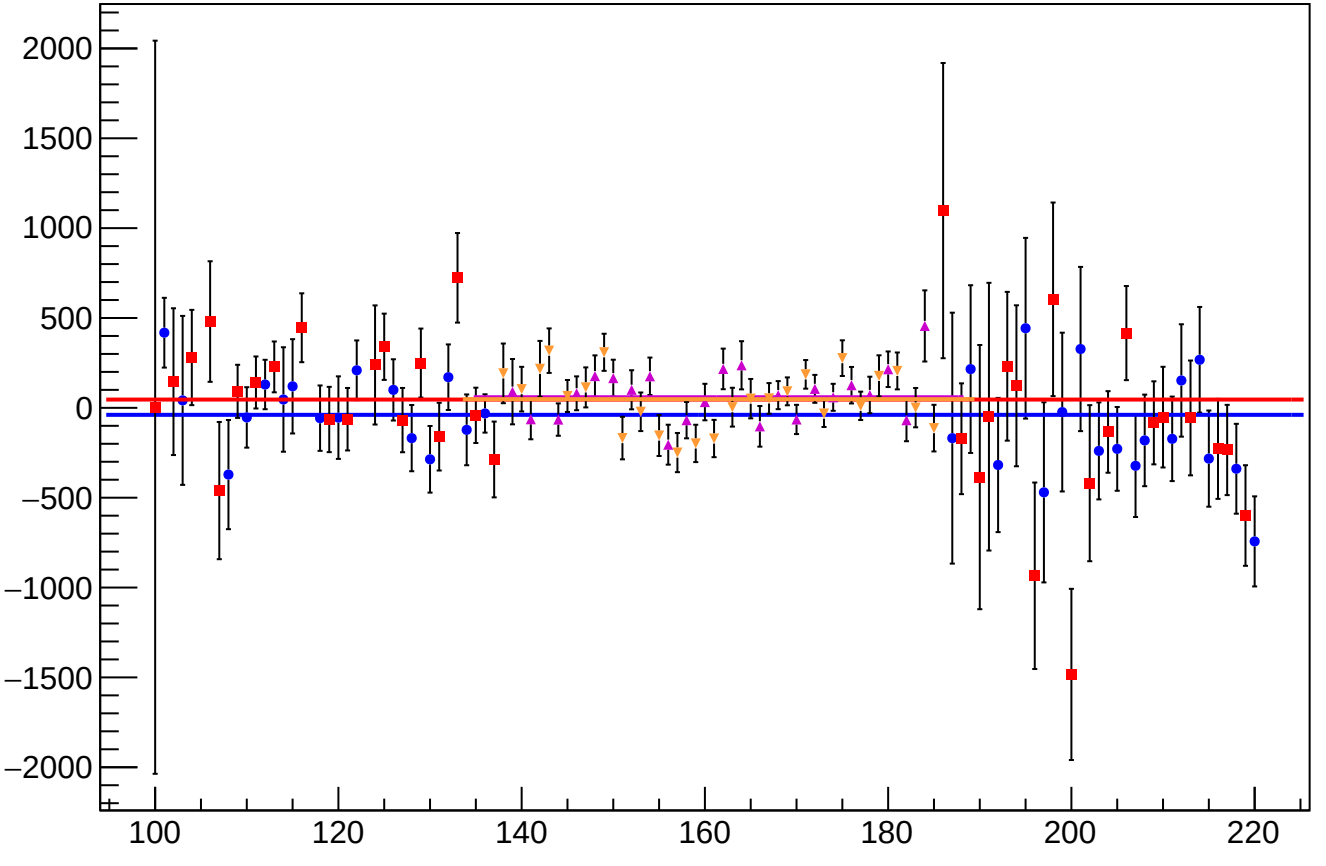
Right: 0.000+/-0.000 χ^2/NDF: 21788438.3/69

In: 0.000+/-0.000 χ^2/NDF:20072657.8/55

Out: 0.000+/-0.000 χ^2/NDF:22468578.2/61

All: 0.000+/-0.000 χ^2/NDF: 42565541.4/117

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: -38.895+/-39.043 χ^2/NDF: 33.1/32

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 46.056+/-39.641 χ^2/NDF: 56.9/36

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

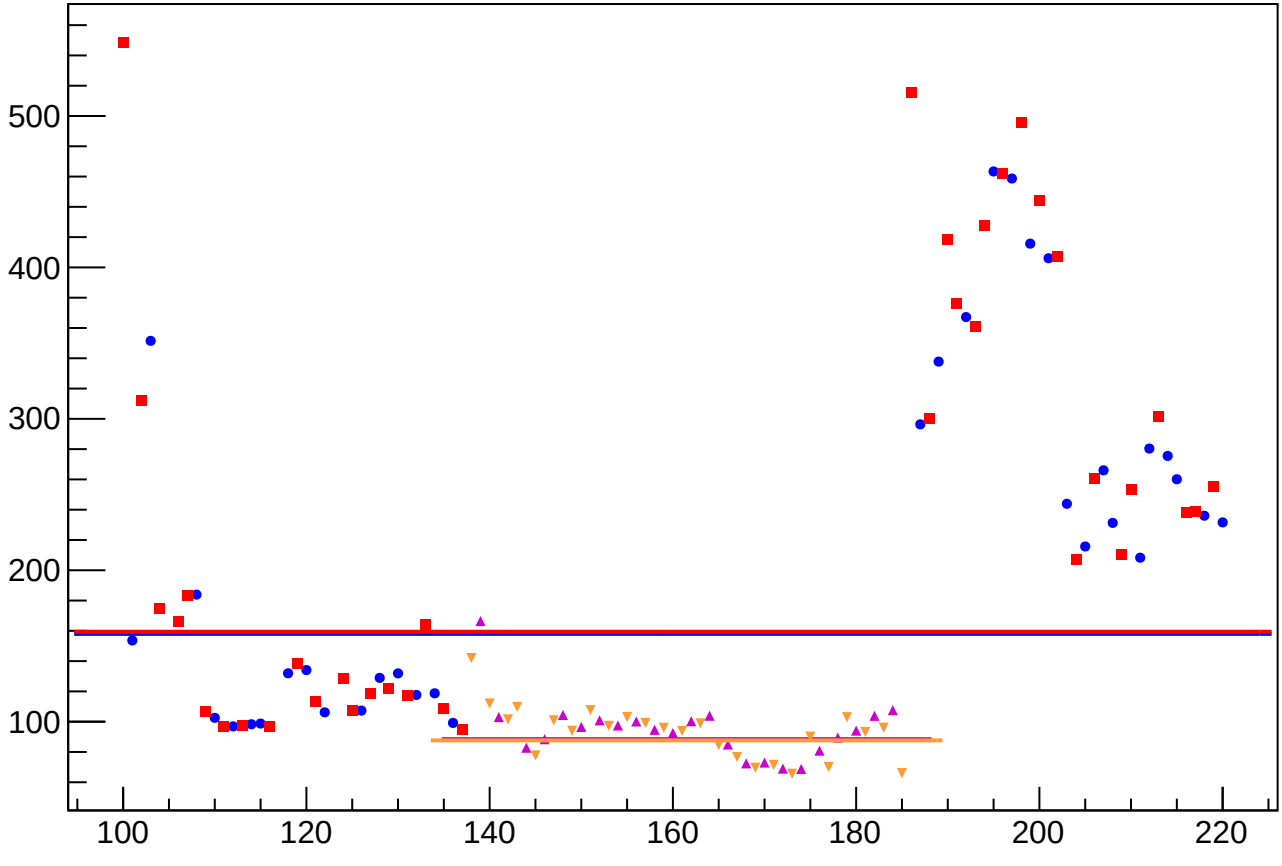
Right: 2.936+/-27.817 χ^2/NDF: 92.3/69

In: 36.791+/-18.601 χ^2/NDF:68.5/55

Out: 47.902+/-18.155 χ^2/NDF:110.5/61

All: 42.481+/-12.992 χ^2/NDF: 179.2/117

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 157.987+/-0.028 χ^2/NDF: 8347395.6/32

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.413+/-0.028 χ^2/NDF: 9546321.5/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

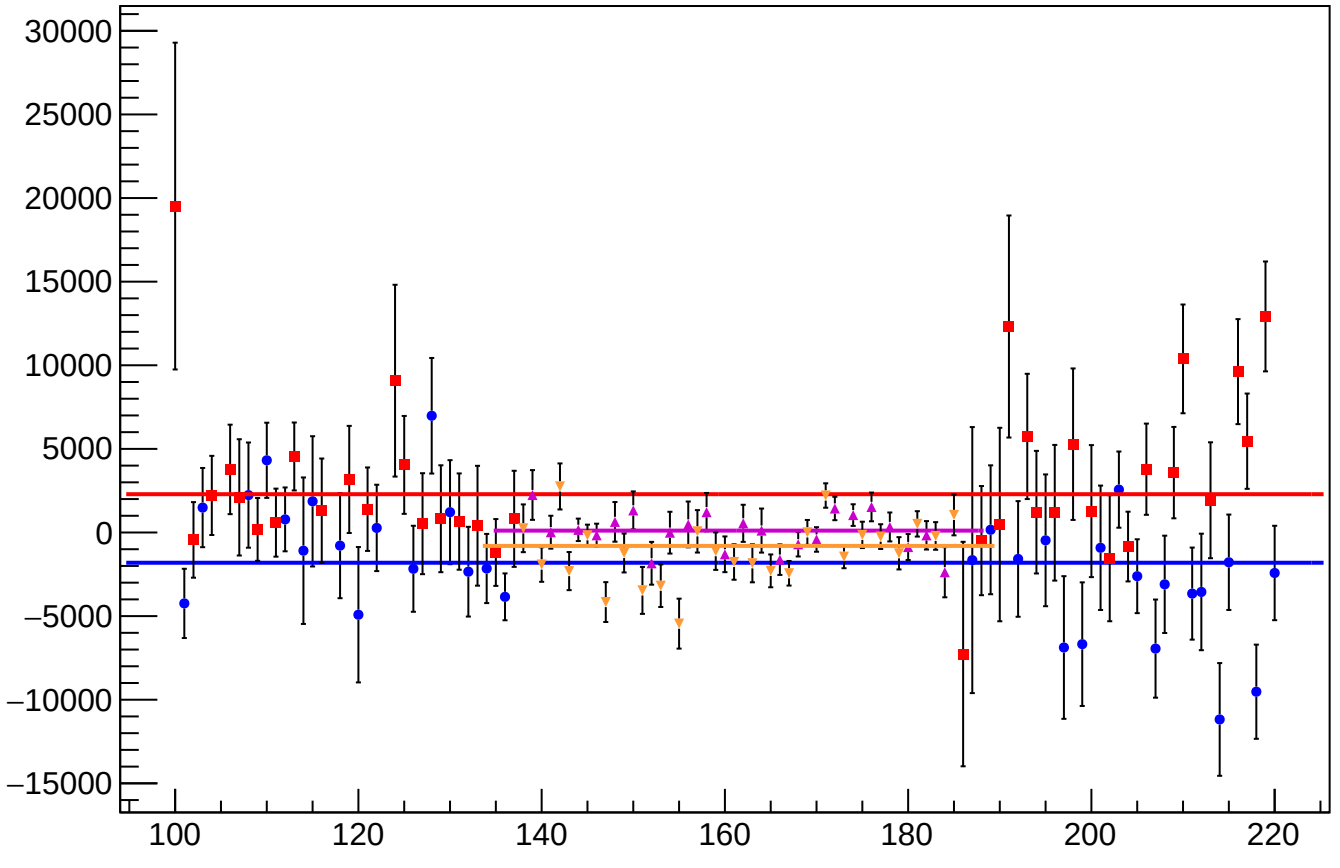
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 158.689+/-0.020 χ^2/NDF: 17895031.9/69

In: 104.258+/-0.013 χ^2/NDF:14322598.4/55

Out: 102.707+/-0.013 χ^2/NDF:15938562.4/61

All: 103.464+/-0.009 χ^2/NDF: 30268276.7/1



Right In: -1808.488+/-478.049 χ^2/NDF: 52.8/32

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 2290.275+/-487.243 χ^2/NDF: 48.4/36

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

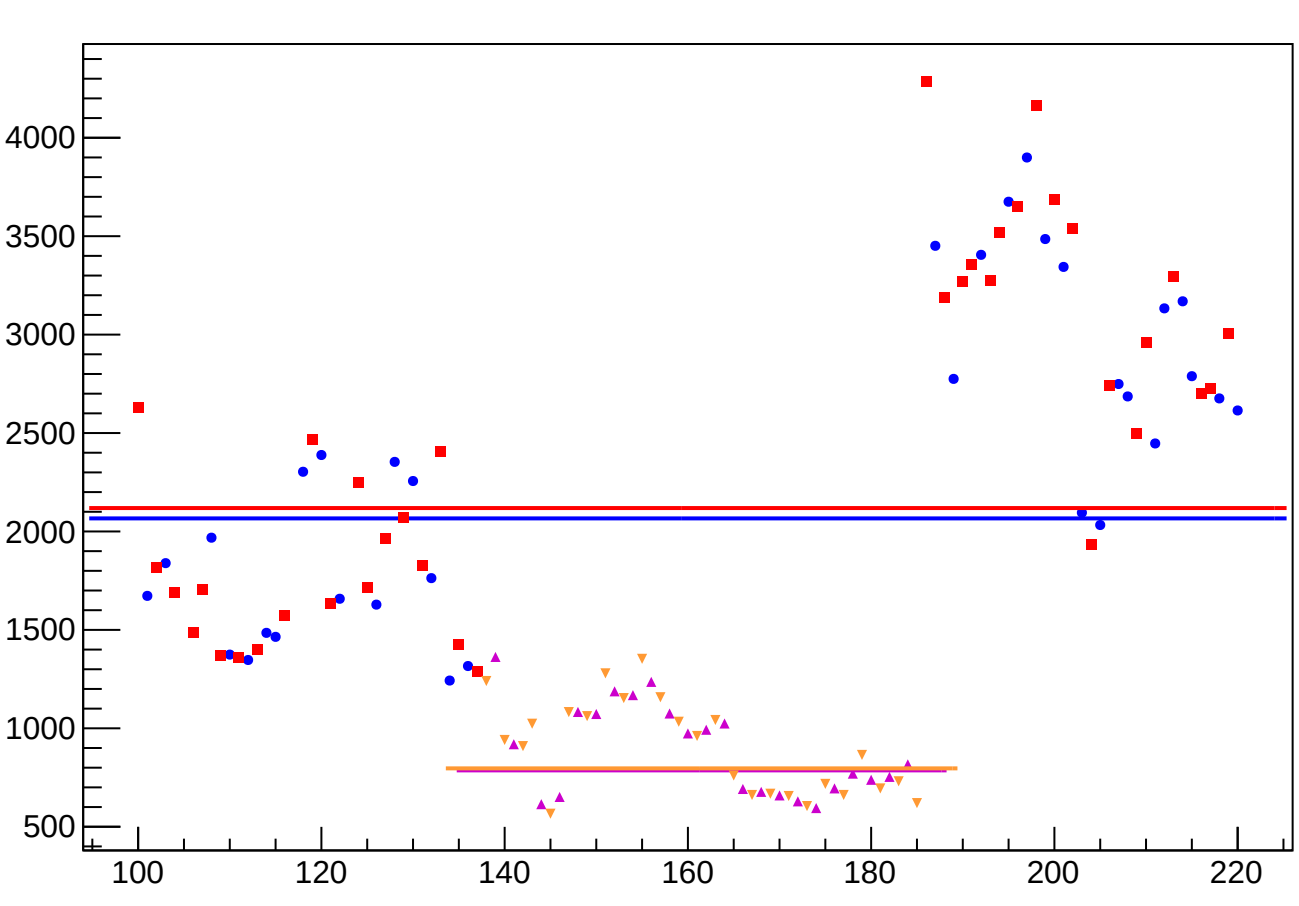
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 201.858+/-341.236 χ^2/NDF: 137.2/69

In: -150.211+/-176.782 χ^2/NDF:93.8/55

Out: -401.769+/-175.198 χ^2/NDF:155.4/61

All: -277.122+/-124.440 χ^2/NDF: 250.2/117



Right In: 2066.351+/-0.338 χ^2/NDF: 4316906.7/32

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2118.906+/-0.345 χ^2/NDF: 4918095.6/36

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

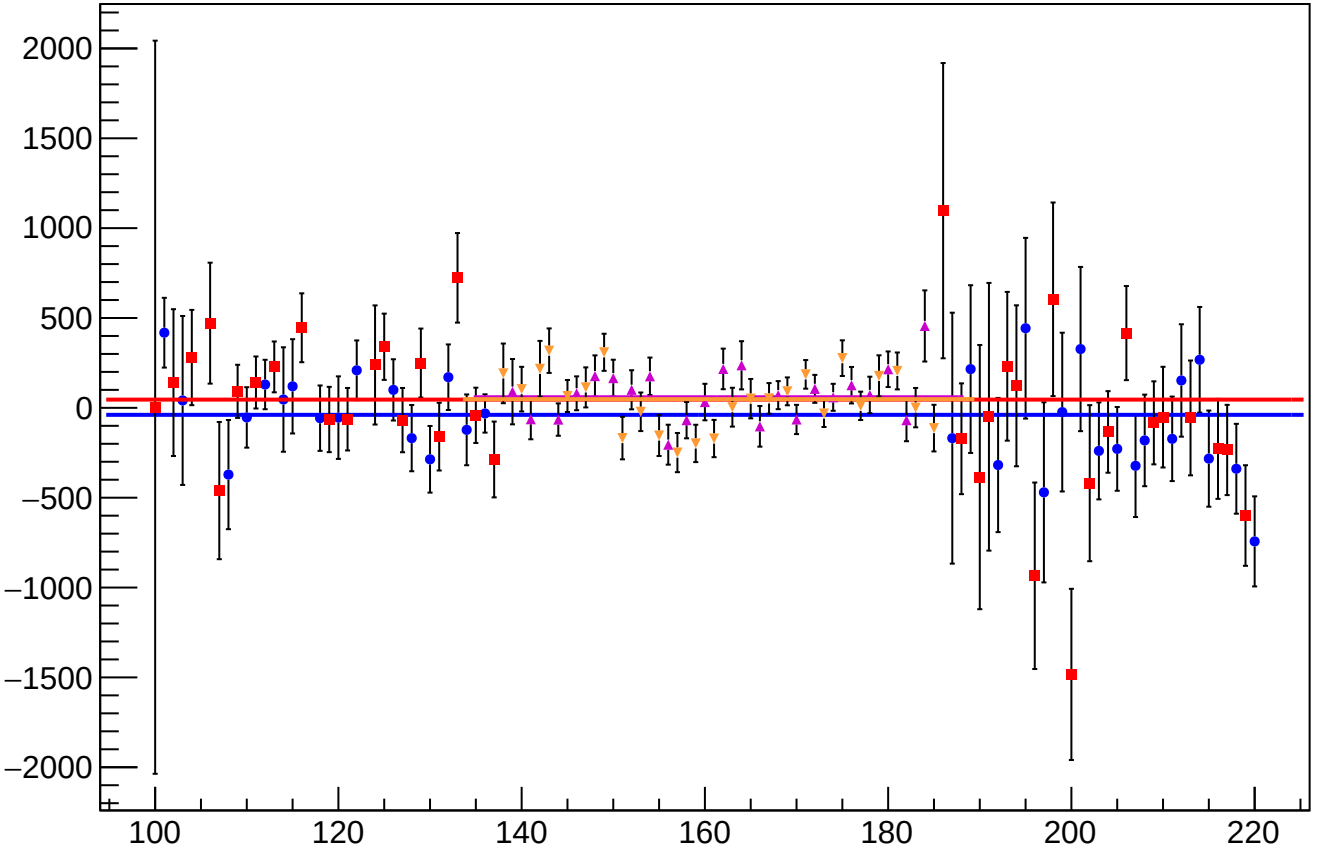
Right: 2092.128+/-0.241 χ^2/NDF: 9246858.4/69

In: 961.379+/-0.125 χ^2/NDF:18851517.5/55

Out: 967.495+/-0.124 χ^2/NDF:20163007.8/61

All: 964.464+/-0.088 χ^2/NDF: 39015733.1/11

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -38.908+/-39.043 χ^2/NDF: 33.1/32

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 45.841+/-39.643 χ^2/NDF: 56.8/36

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

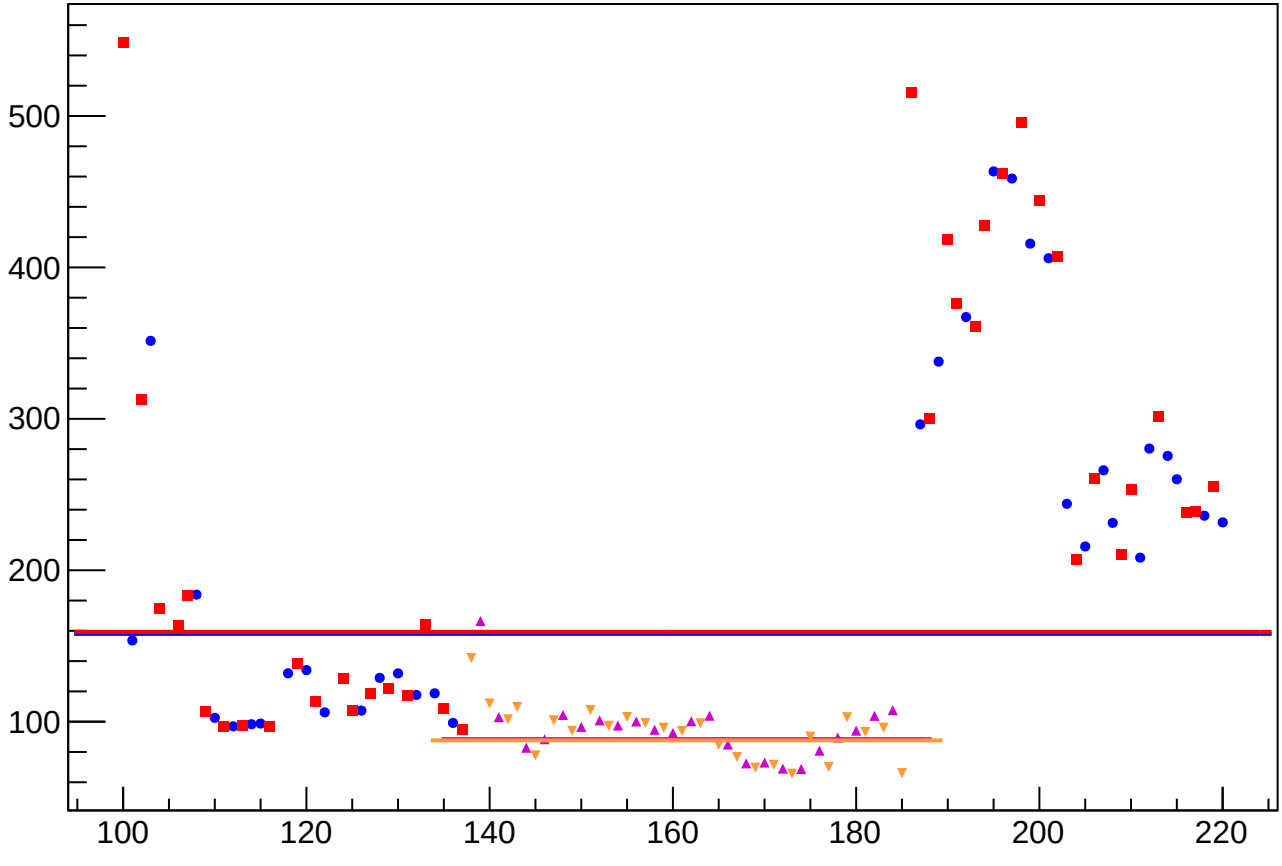
Right: 2.821+/-27.817 χ^2/NDF: 92.2/69

In: 36.790+/-18.601 χ^2/NDF:68.5/55

Out: 47.863+/-18.155 χ^2/NDF:110.4/61

All: 42.461+/-12.992 χ^2/NDF: 179.1/117

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 157.987+/-0.028 χ^2/NDF: 8347398.1/32

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

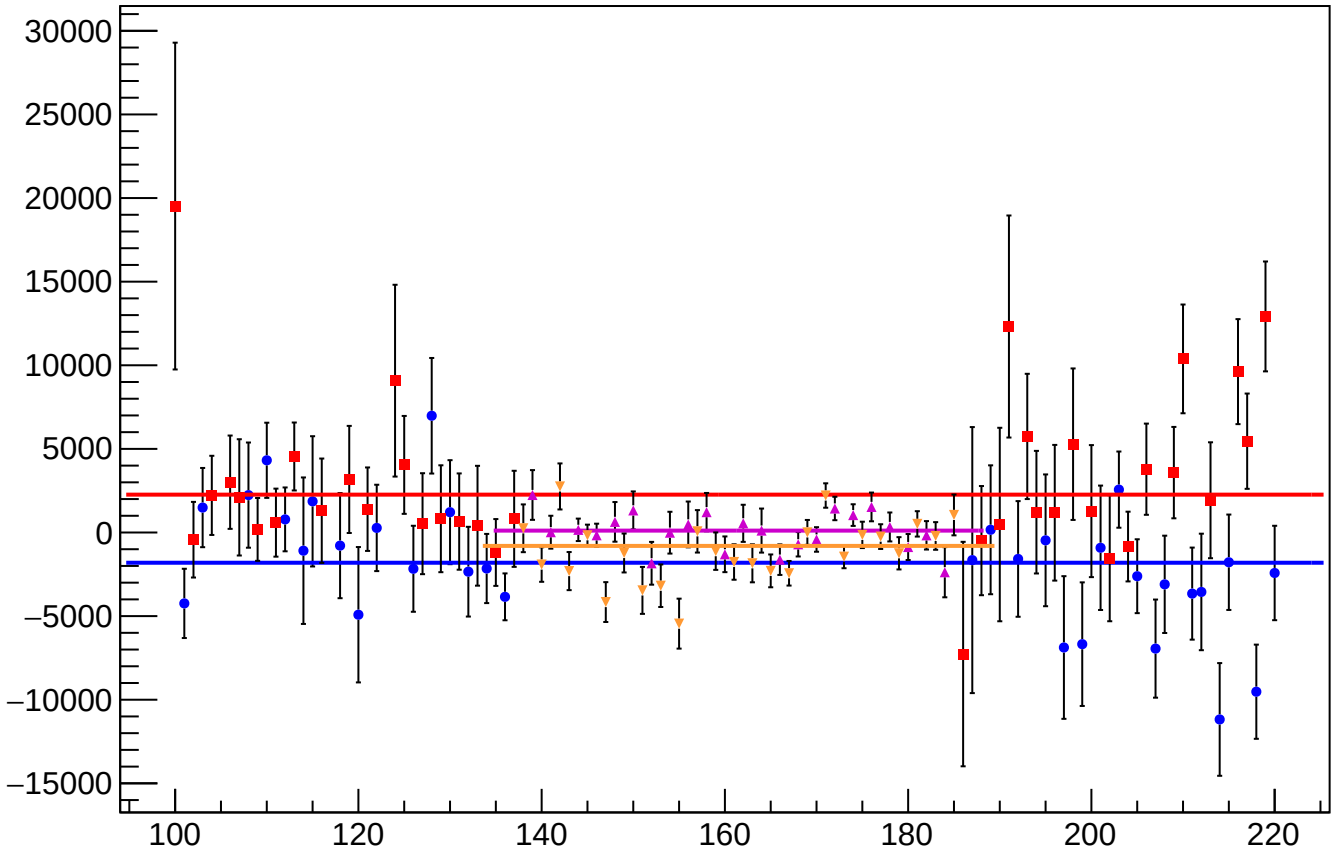
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 158.672+/-0.020 χ^2/NDF: 17894643.9/69

In: 104.258+/-0.013 χ^2/NDF:14322600.2/55

Out: 102.699+/-0.013 χ^2/NDF:15932826.6/61

All: 103.460+/-0.009 χ^2/NDF: 30262620.3/11



Right In: -1808.488+/-478.051 χ^2/NDF: 52.8/32

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 2263.820+/-487.918 χ^2/NDF: 48.1/36

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

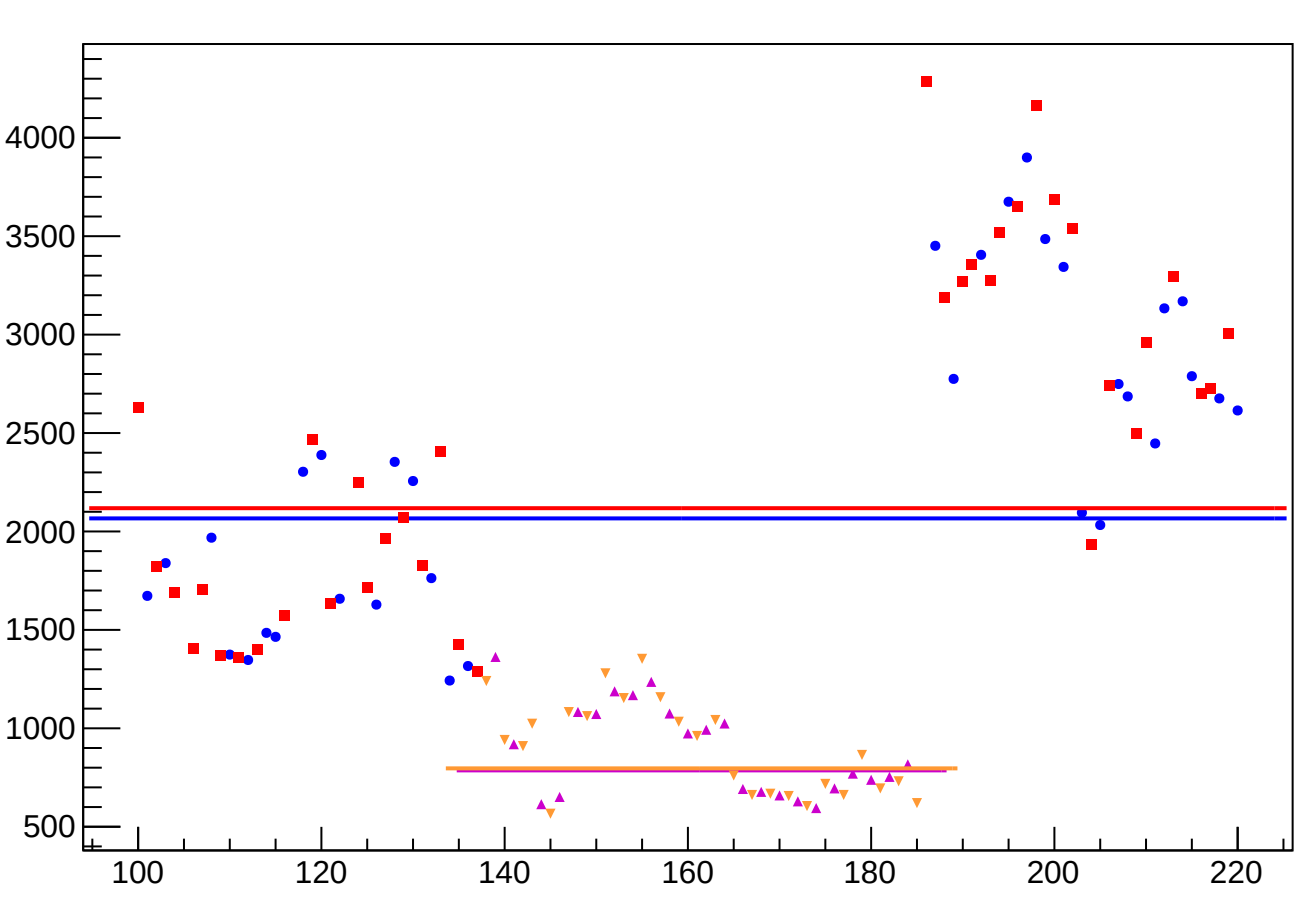
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 186.075+/-341.468 χ^2/NDF: 136.5/69

In: -150.208+/-176.782 χ^2/NDF:93.8/55

Out: -406.137+/-175.229 χ^2/NDF:154.4/61

All: -279.301+/-124.451 χ^2/NDF: 249.3/117



Right In: 2066.360+/-0.338 χ^2/NDF: 4316876.5/32

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2118.221+/-0.345 χ^2/NDF: 4936650.7/36

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

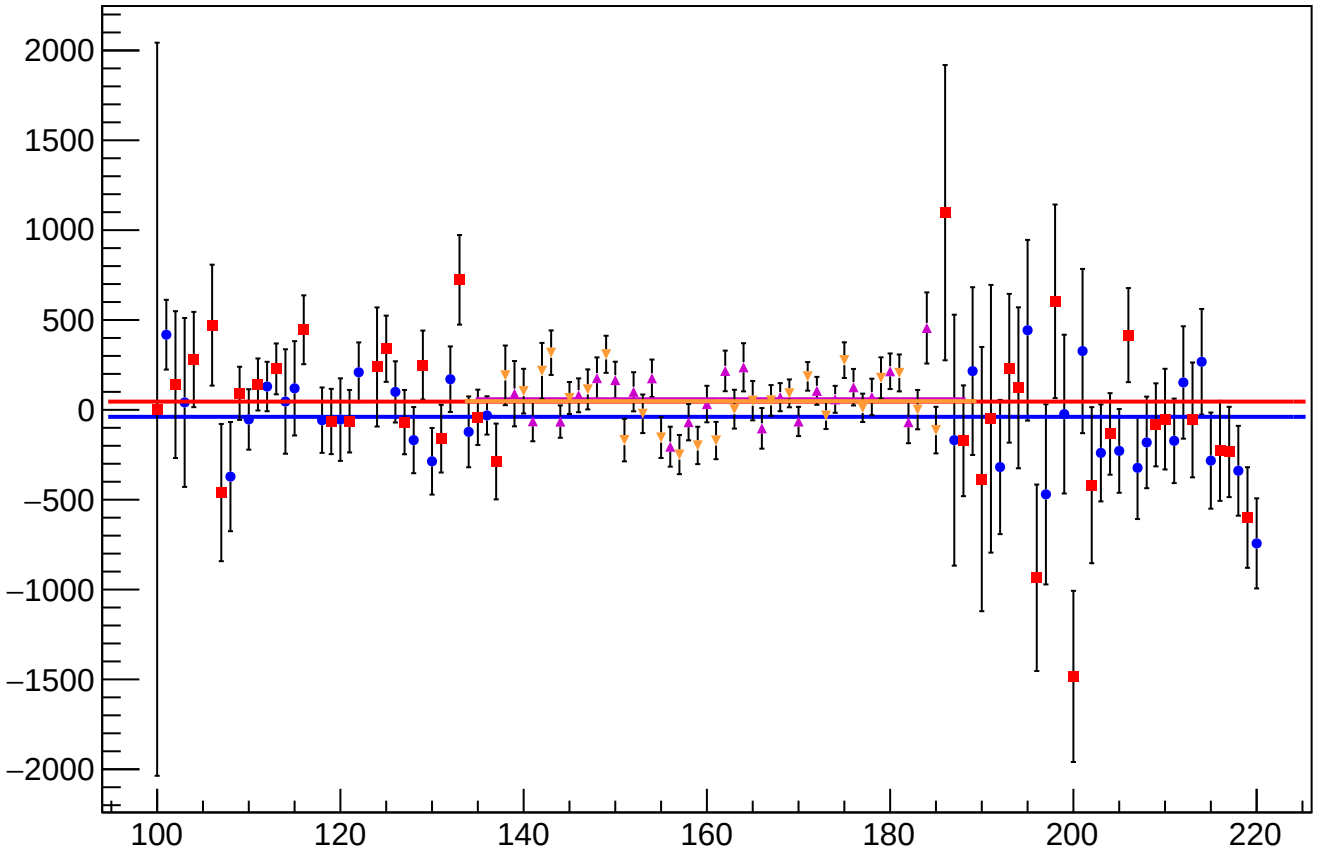
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2091.761+/-0.241 χ^2/NDF: 9265055.6/69

In: 961.379+/-0.125 χ^2/NDF:18851574.4/55

Out: 966.995+/-0.124 χ^2/NDF:20137424.2/61

All: 964.211+/-0.088 χ^2/NDF: 38990016.7/11



Right In: -38.908+/-39.043 χ^2/NDF: 33.1/32

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 45.841+/-39.643 χ^2/NDF: 56.8/36

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

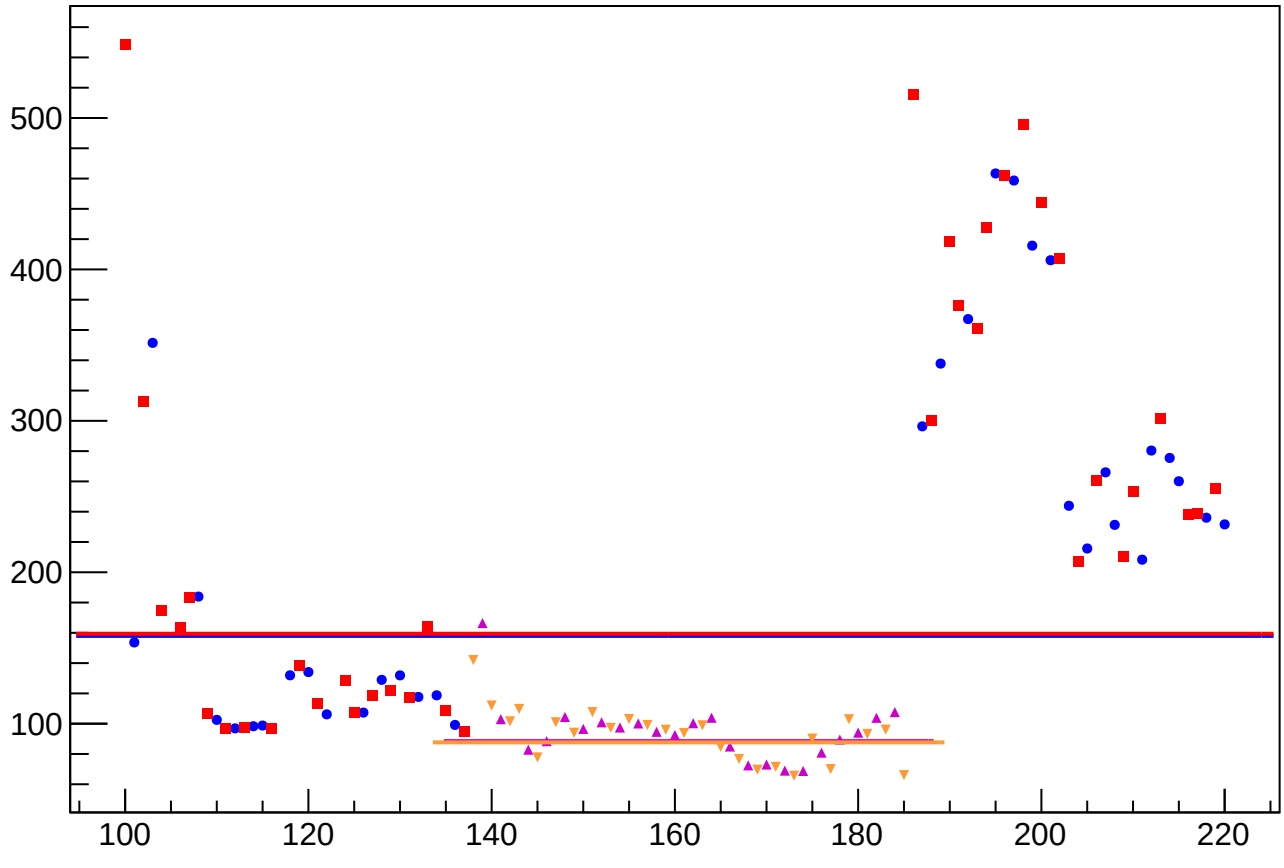
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 2.821+/-27.817 χ^2/NDF: 92.2/69

In: 36.790+/-18.601 χ^2/NDF:68.5/55

Out: 47.863+/-18.155 χ^2/NDF:110.4/61

All: 42.461+/-12.992 χ^2/NDF: 179.1/117



Right In: 157.987+/-0.028 χ^2/NDF: 8347398.1/32

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

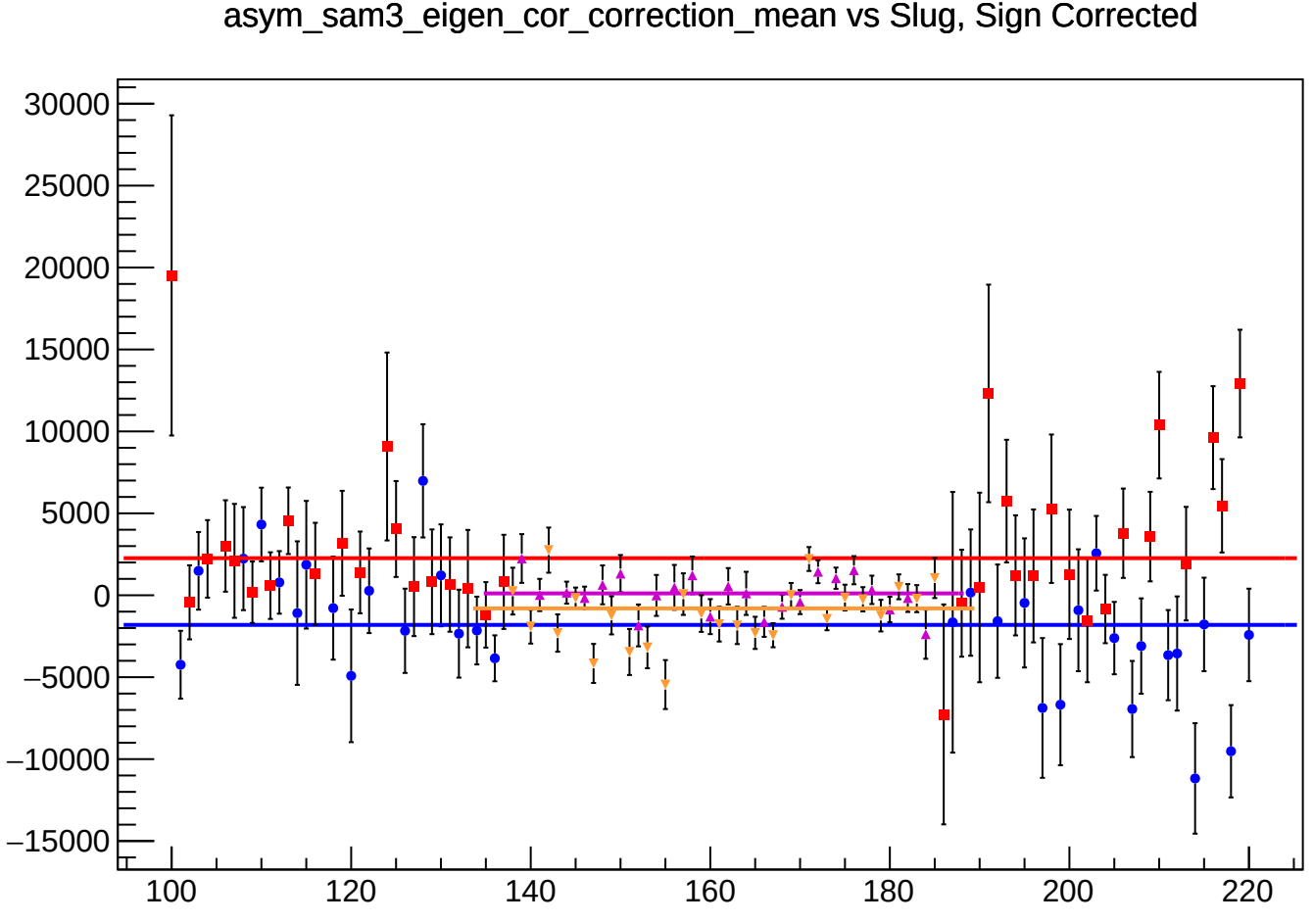
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 158.672+/-0.020 χ^2/NDF: 17894643.9/69

In: 104.258+/-0.013 χ^2/NDF:14322600.2/55

Out: 102.699+/-0.013 χ^2/NDF:15932826.6/61

All: 103.460+/-0.009 χ^2/NDF: 30262620.3/11



Right In: -1808.488+/-478.051 χ^2/NDF: 52.8/32

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 2263.820+/-487.918 χ^2/NDF: 48.1/36

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

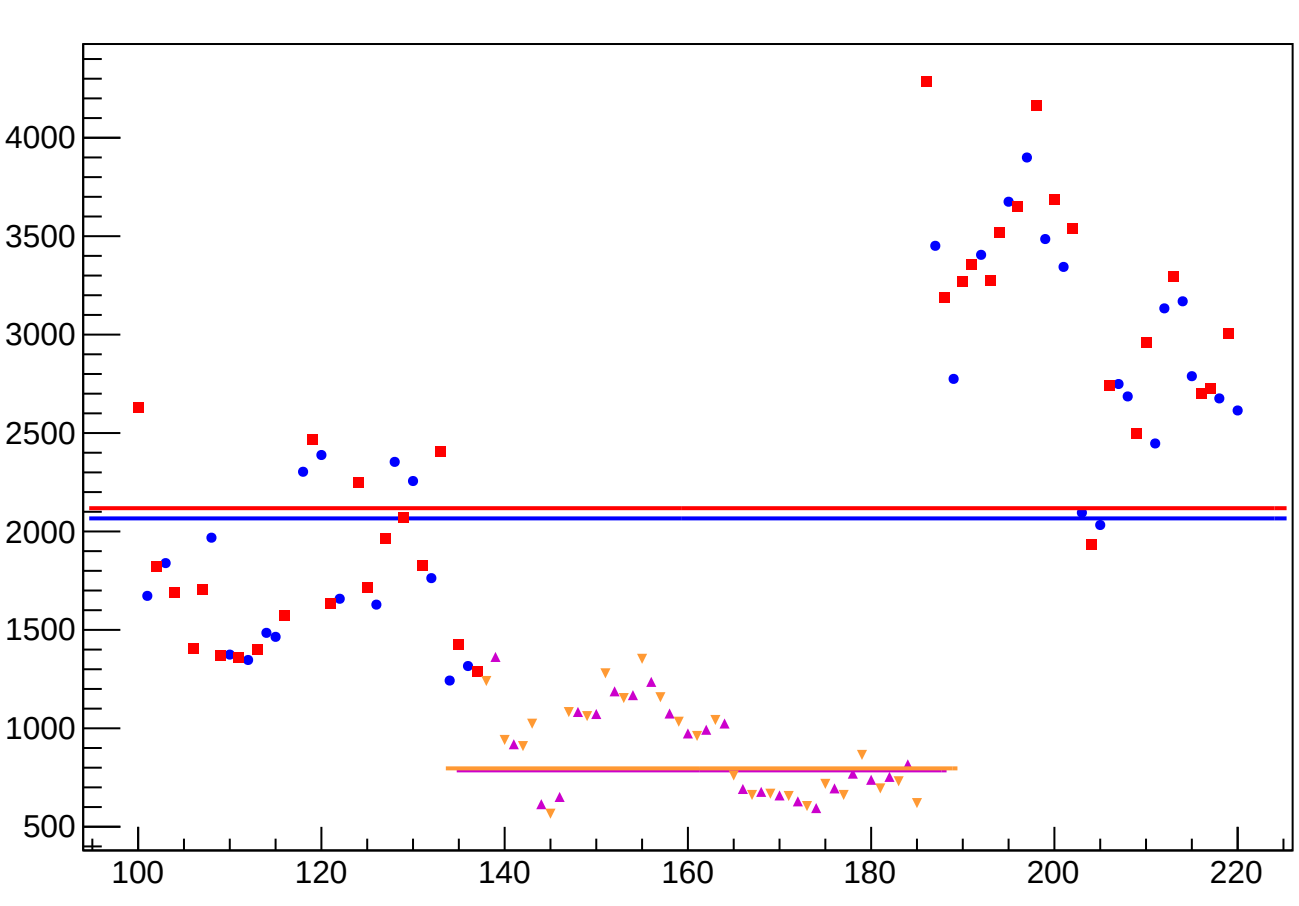
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 186.075+/-341.468 χ^2/NDF: 136.5/69

In: -150.208+/-176.782 χ^2/NDF:93.8/55

Out: -406.137+/-175.229 χ^2/NDF:154.4/61

All: -279.301+/-124.451 χ^2/NDF: 249.3/117



Right In: 2066.360+/-0.338 χ^2/NDF: 4316876.5/32

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2118.221+/-0.345 χ^2/NDF: 4936650.7/36

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

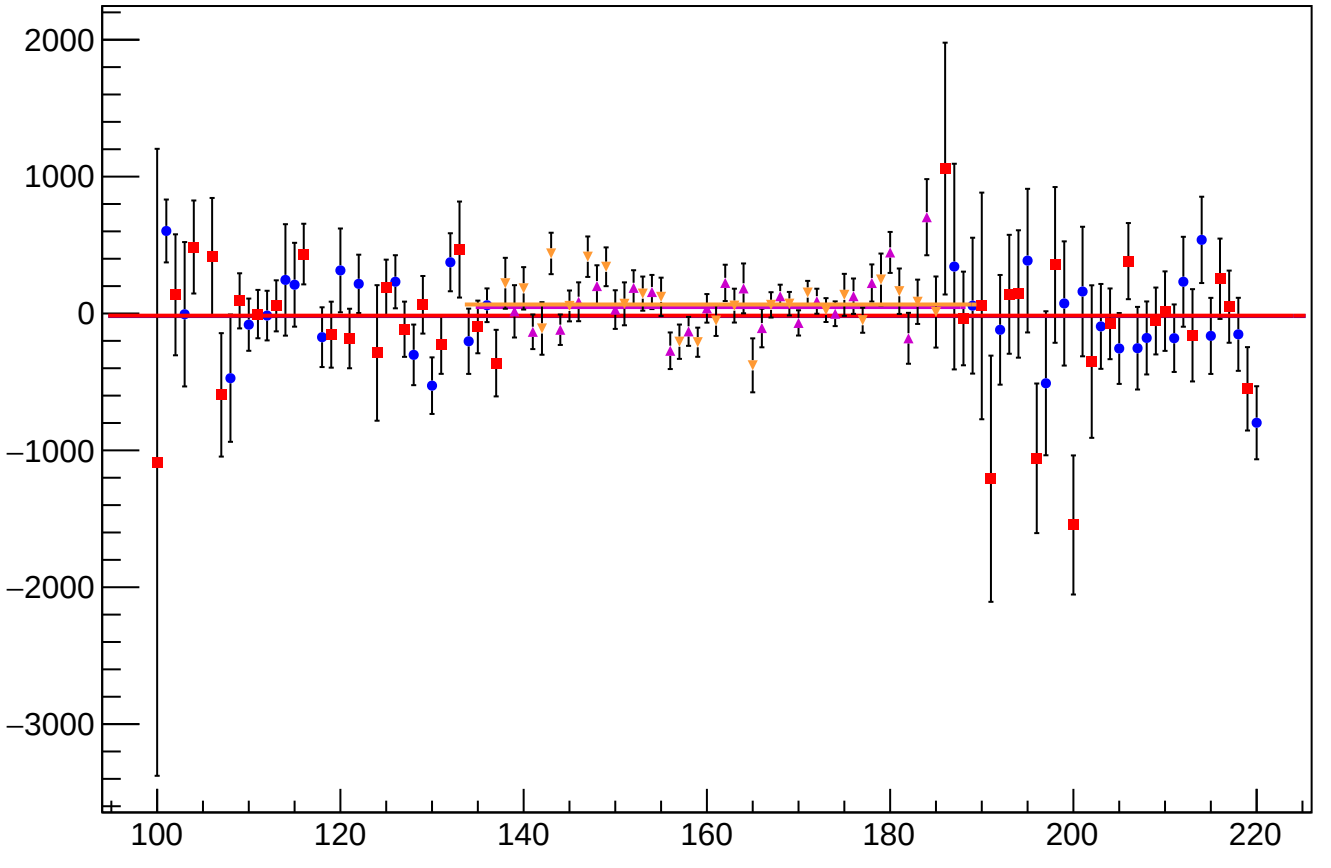
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2091.761+/-0.241 χ^2/NDF: 9265055.6/69

In: 961.379+/-0.125 χ^2/NDF:18851574.4/55

Out: 966.995+/-0.124 χ^2/NDF:20137424.2/61

All: 964.211+/-0.088 χ^2/NDF: 38990016.7/11



Right In: -18.733+/-45.294 χ^2/NDF: 43.1/32

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -15.945+/-46.840 χ^2/NDF: 40.6/36

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

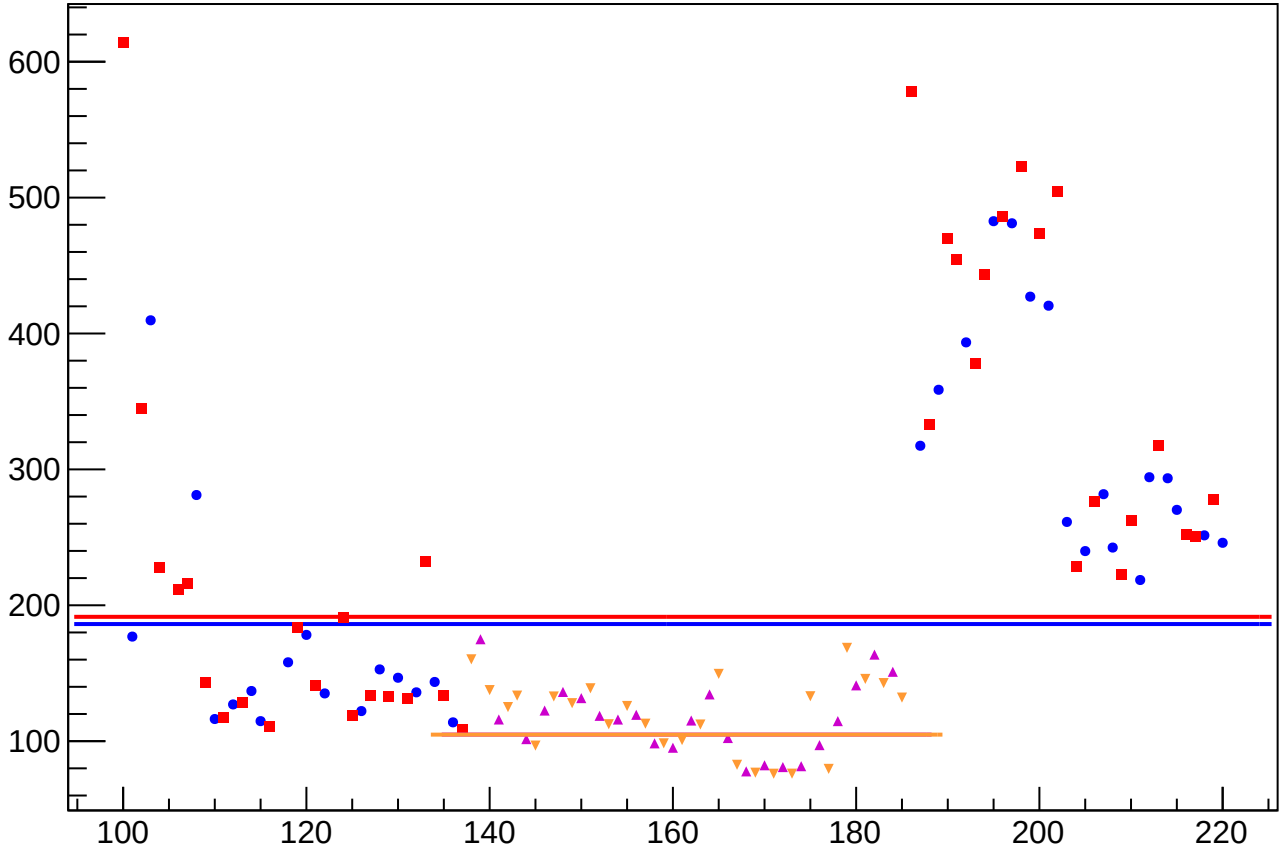
Right: -17.386+/-32.560 χ^2/NDF: 83.7/69

In: 31.024+/-22.350 χ^2/NDF:83.3/55

Out: 47.533+/-22.096 χ^2/NDF:83.0/61

All: 39.373+/-15.713 χ^2/NDF: 166.6/117

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 186.181+/-0.032 χ^2/NDF: 6955142.6/32

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 191.501+/-0.033 χ^2/NDF: 8141502.5/36

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

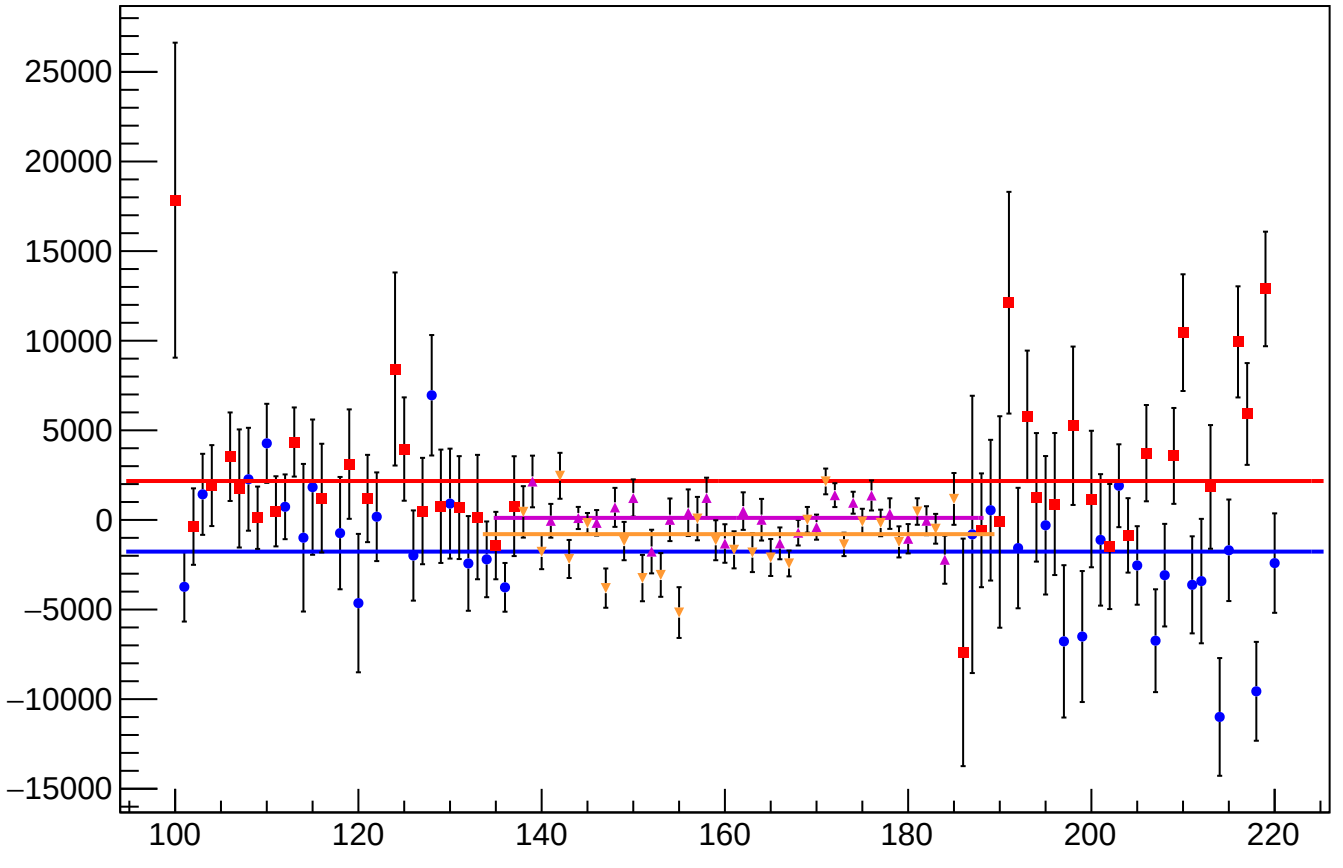
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 188.752+/-0.023 χ^2/NDF: 15109981.1/69

In: 124.641+/-0.016 χ^2/NDF:13449905.1/55

Out: 124.101+/-0.016 χ^2/NDF:15710675.0/61

All: 124.368+/-0.011 χ^2/NDF: 29161170.6/11



Right In: -1767.682+/-466.474 χ^2/NDF: 52.5/32

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 2171.305+/-470.088 χ^2/NDF: 52.5/36

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

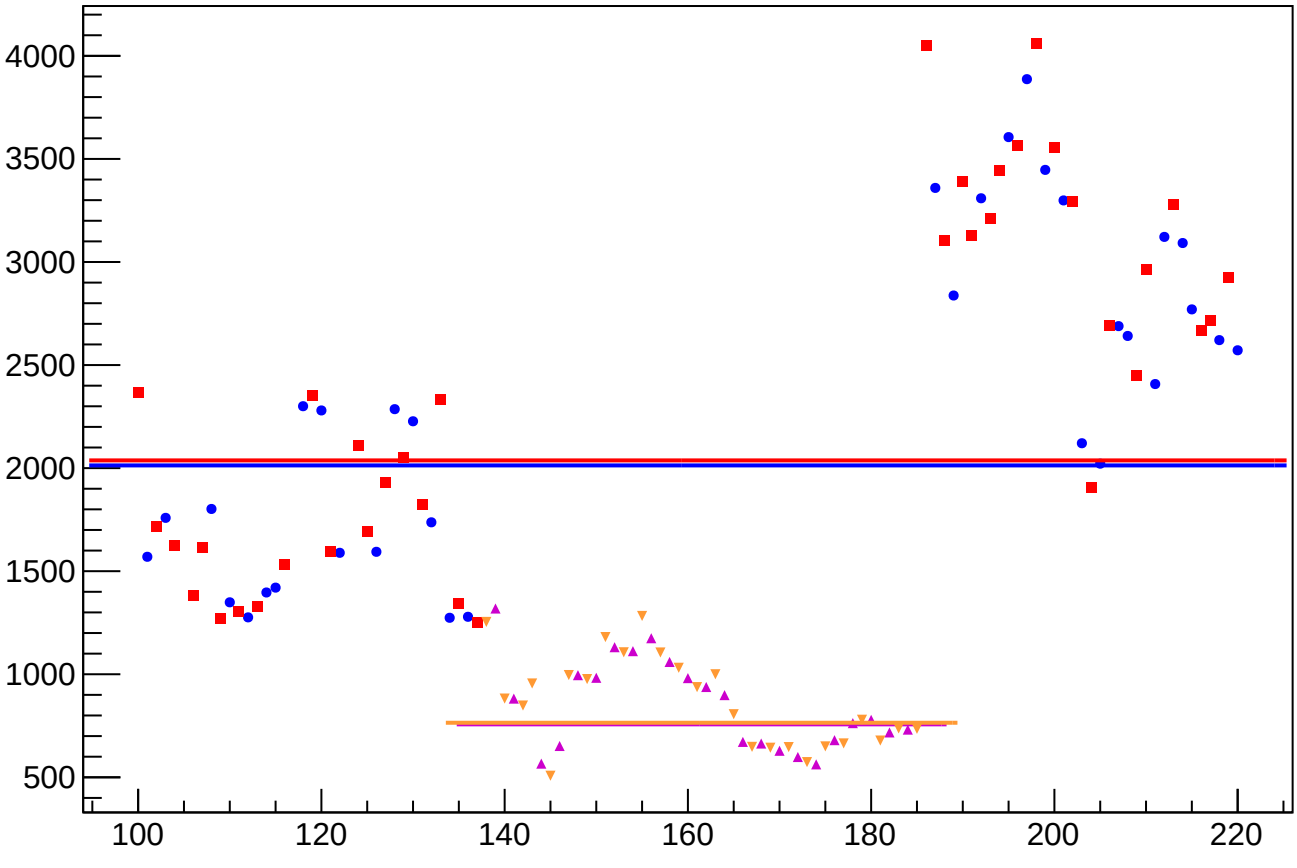
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 186.612+/-331.117 χ^2/NDF: 140.4/69

In: -137.547+/-170.461 χ^2/NDF:92.9/55

Out: -414.396+/-168.014 χ^2/NDF:157.2/61

All: -277.973+/-119.660 χ^2/NDF: 251.4/117



Right In: 2013.139+/-0.330 χ^2/NDF: 4485402.5/32

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 2037.484+/-0.332 χ^2/NDF: 5206312.4/36

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

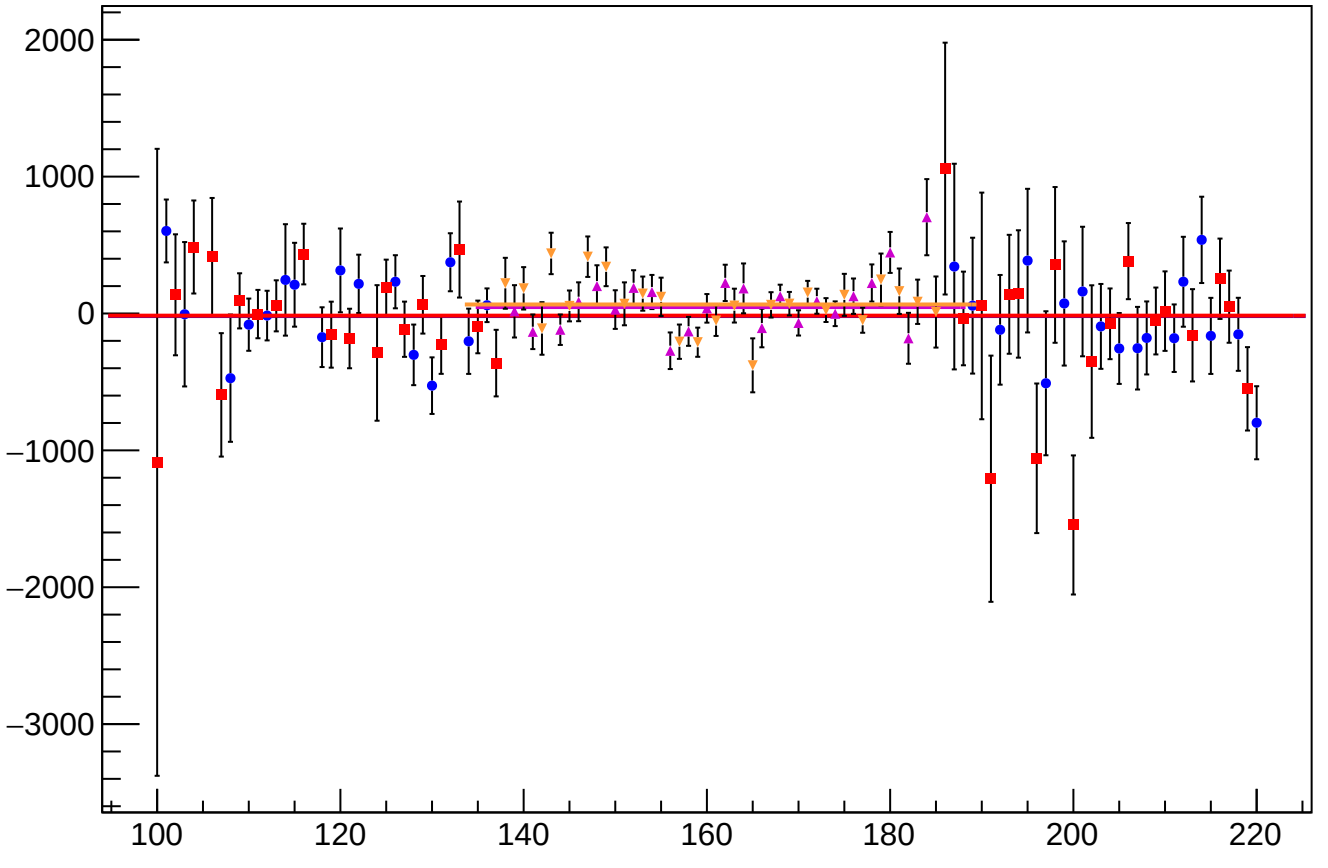
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 2025.218+/-0.234 χ^2/NDF: 9694417.5/69

In: 924.675+/-0.121 χ^2/NDF:19168293.2/55

Out: 927.317+/-0.119 χ^2/NDF:20419878.6/61

All: 926.015+/-0.085 χ^2/NDF: 39588415.7/1



Right In: -18.733+/-45.294 χ^2/NDF: 43.1/32

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -15.950+/-46.840 χ^2/NDF: 40.6/36

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

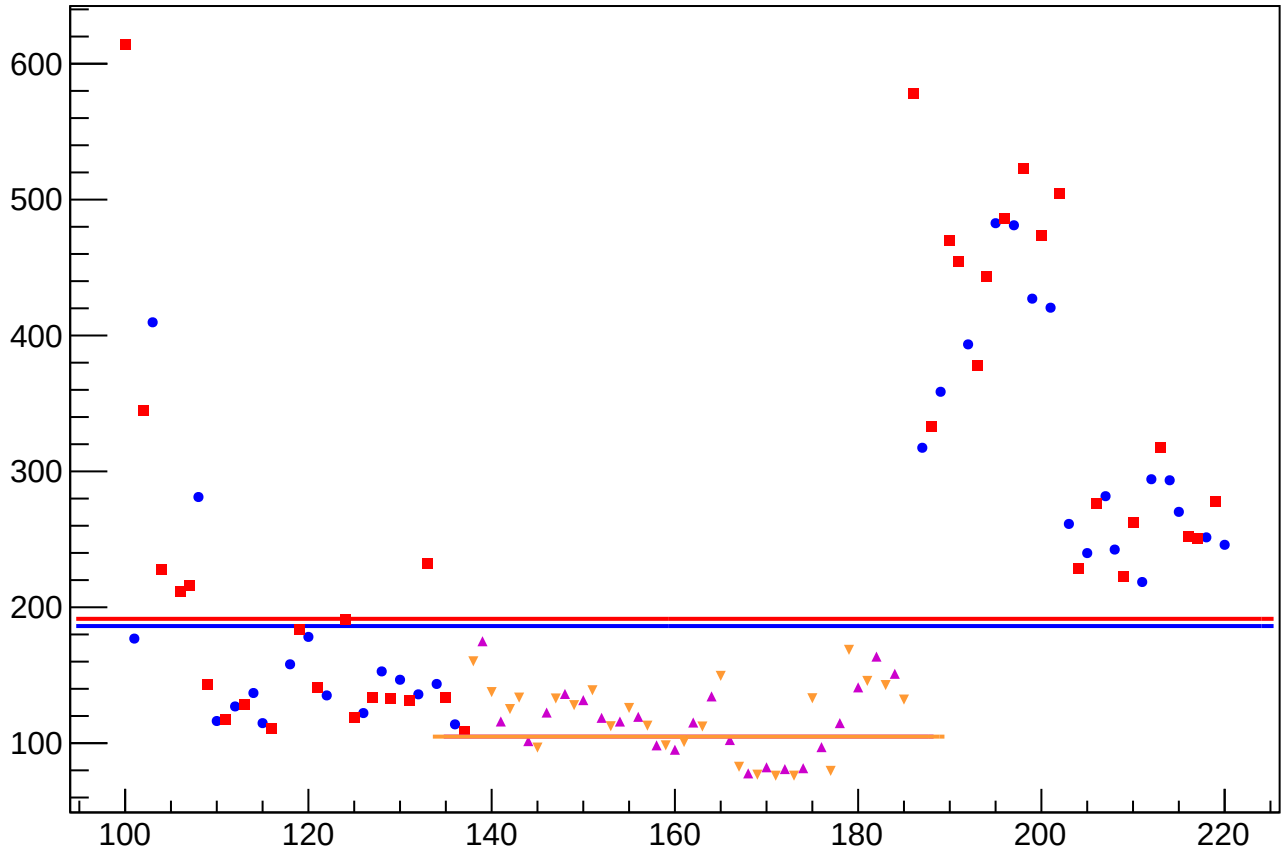
Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

Right: -17.388+/-32.560 χ^2/NDF: 83.7/69

In: 31.023+/-22.350 χ^2/NDF:83.3/55

Out: 47.533+/-22.096 χ^2/NDF:83.0/61

All: 39.372+/-15.713 χ^2/NDF: 166.6/117



Right In: 186.181+/-0.032 χ^2/NDF: 6955124.0/32

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 191.502+/-0.033 χ^2/NDF: 8141473.1/36

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

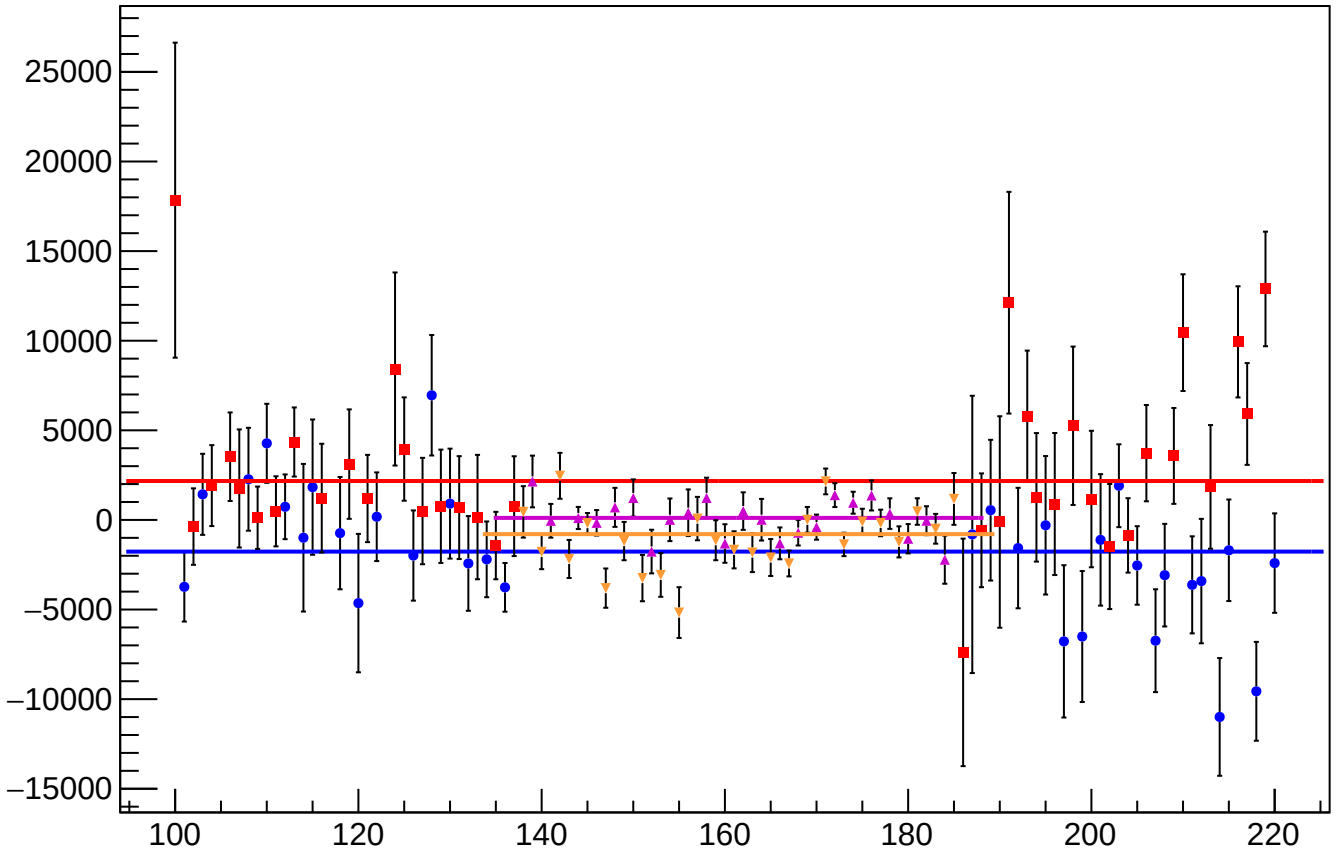
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 188.752+/-0.023 χ^2/NDF: 15109934.2/69

In: 124.642+/-0.016 χ^2/NDF:13449877.0/55

Out: 124.102+/-0.016 χ^2/NDF:15710662.7/61

All: 124.369+/-0.011 χ^2/NDF: 29161130.2/11



Right In: -1767.679+/-466.474 χ^2/NDF: 52.5/32

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 2171.302+/-470.087 χ^2/NDF: 52.5/36

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

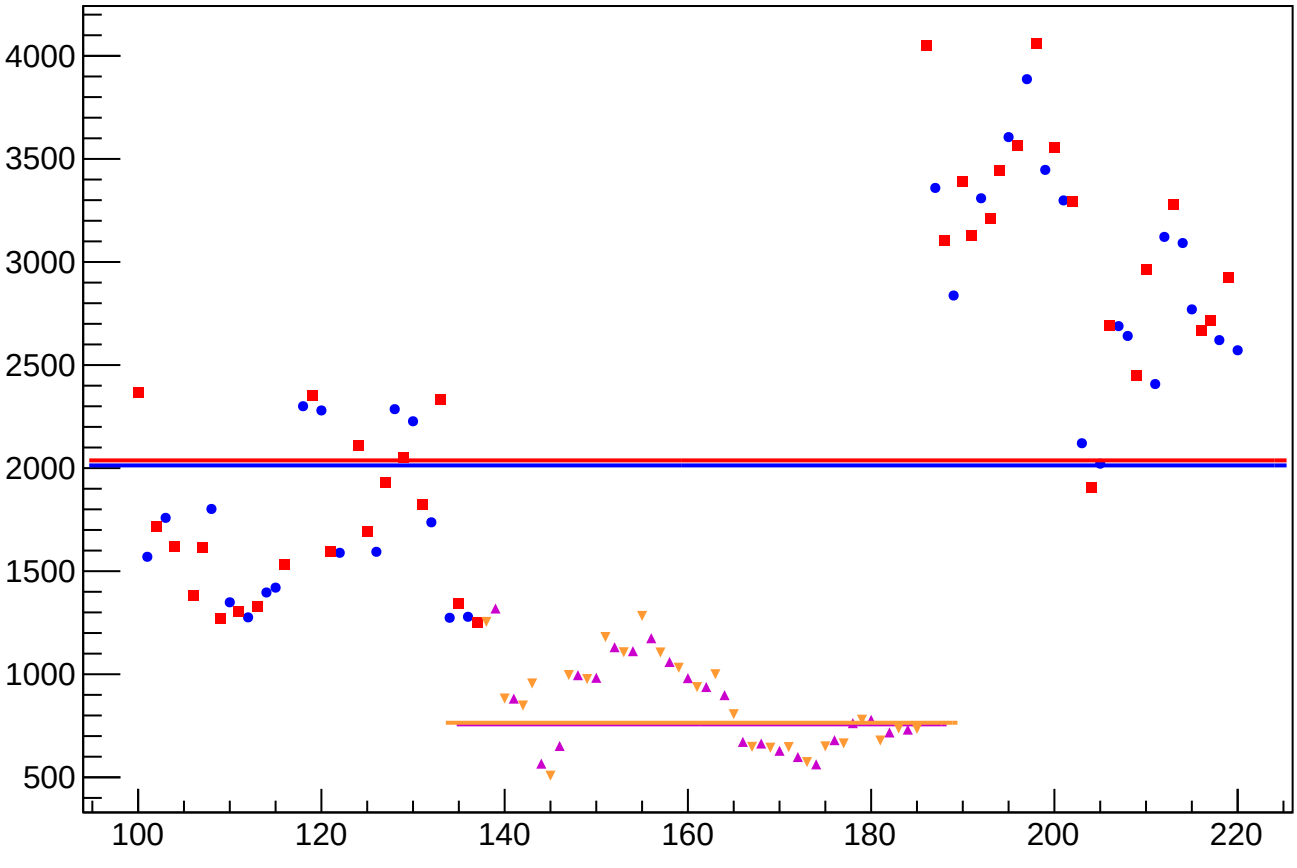
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 186.613+/-331.117 χ^2/NDF: 140.4/69

In: -137.547+/-170.461 χ^2/NDF:92.9/55

Out: -414.397+/-168.014 χ^2/NDF:157.2/61

All: -277.973+/-119.659 χ^2/NDF: 251.4/117



Right In: 2013.138+/-0.330 χ^2/NDF: 4485403.2/32

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 2037.481+/-0.332 χ^2/NDF: 5206315.8/36

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

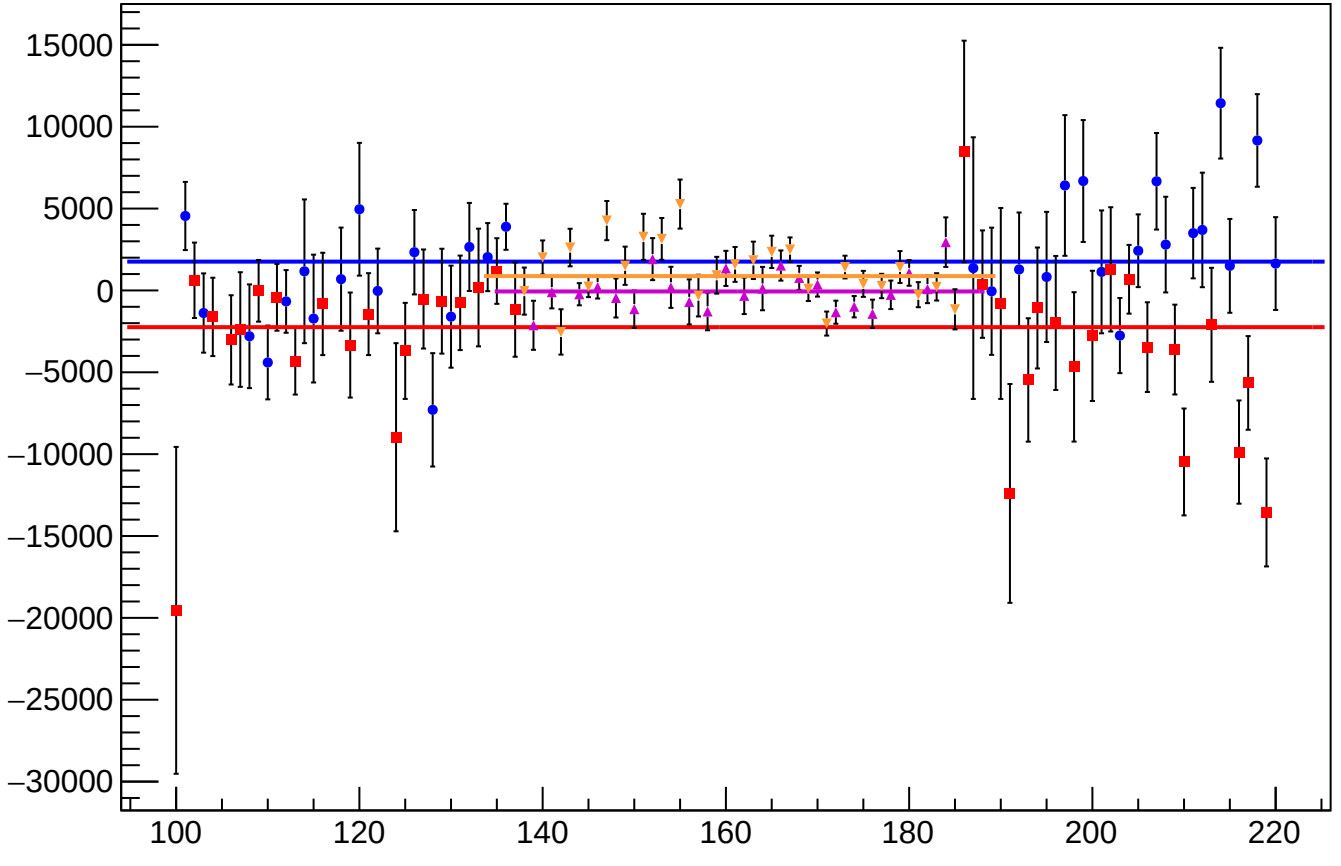
Right: 2025.216+/-0.234 χ^2/NDF: 9694421.4/69

In: 924.674+/-0.121 χ^2/NDF:19168290.1/55

Out: 927.317+/-0.119 χ^2/NDF:20419866.7/61

All: 926.014+/-0.085 χ^2/NDF: 39588400.6/1

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1759.427+/-480.407 χ^2/NDF: 53.0/32

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -2242.993+/-489.903 χ^2/NDF: 49.7/36

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

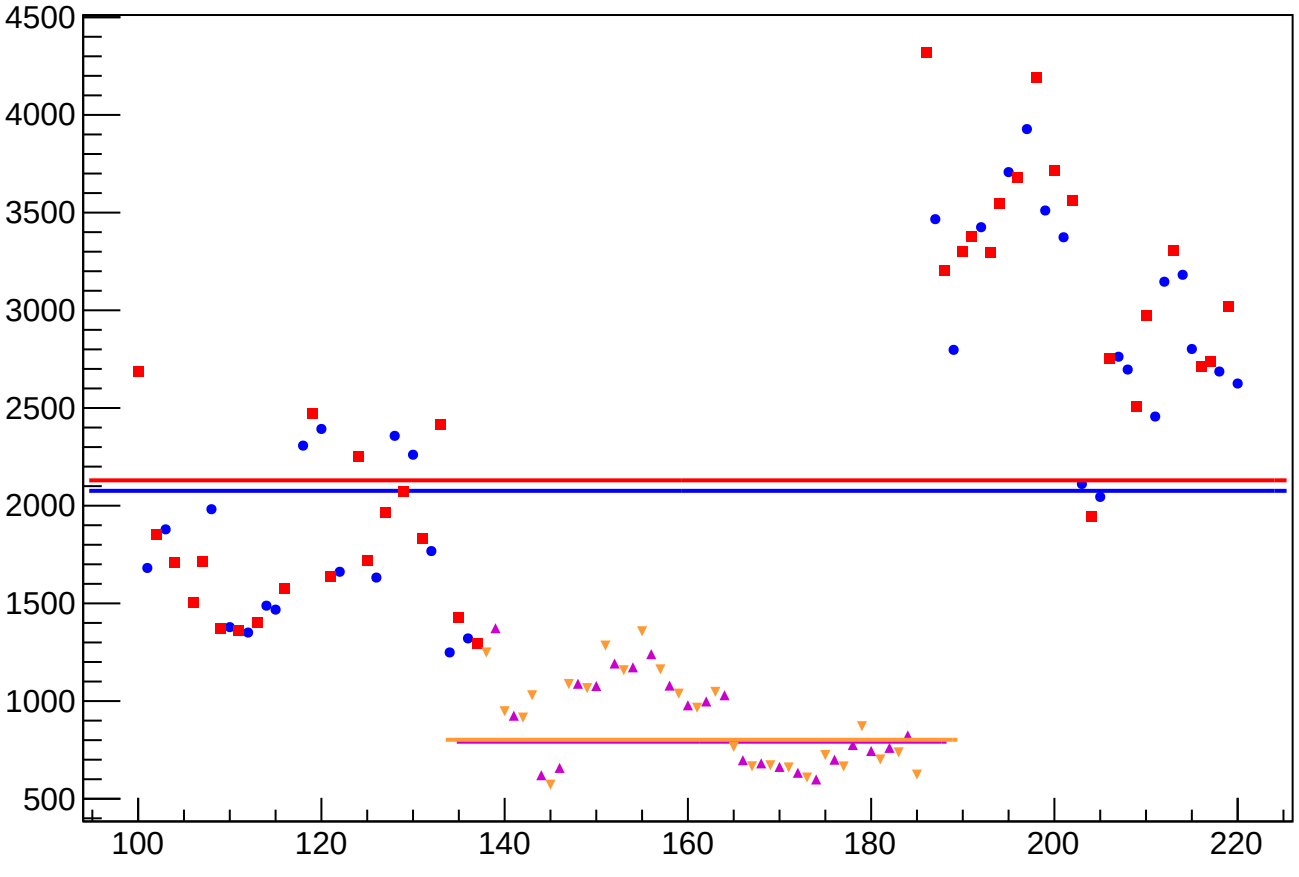
Right: -202.616+/-343.007 χ^2/NDF: 136.7/69

In: 187.304+/-177.965 χ^2/NDF:92.5/55

Out: 472.353+/-176.331 χ^2/NDF:152.2/61

All: 331.143+/-125.259 χ^2/NDF: 246.0/117

asym_sam3_rms vs Slug, Sign Corrected



Right In: 2076.053+/-0.340 χ^2/NDF: 4333995.3/32

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2129.728+/-0.346 χ^2/NDF: 4932205.3/36

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

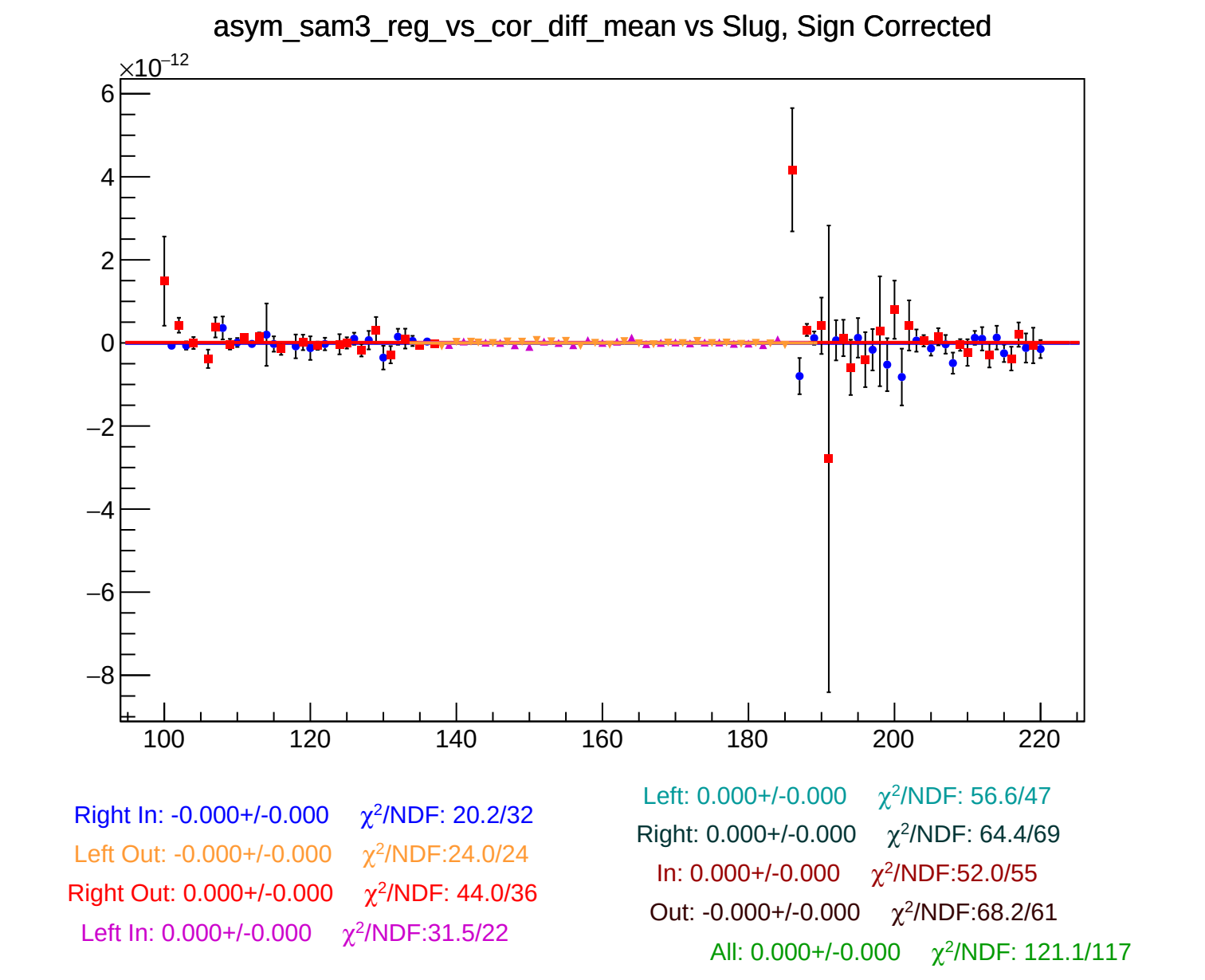
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

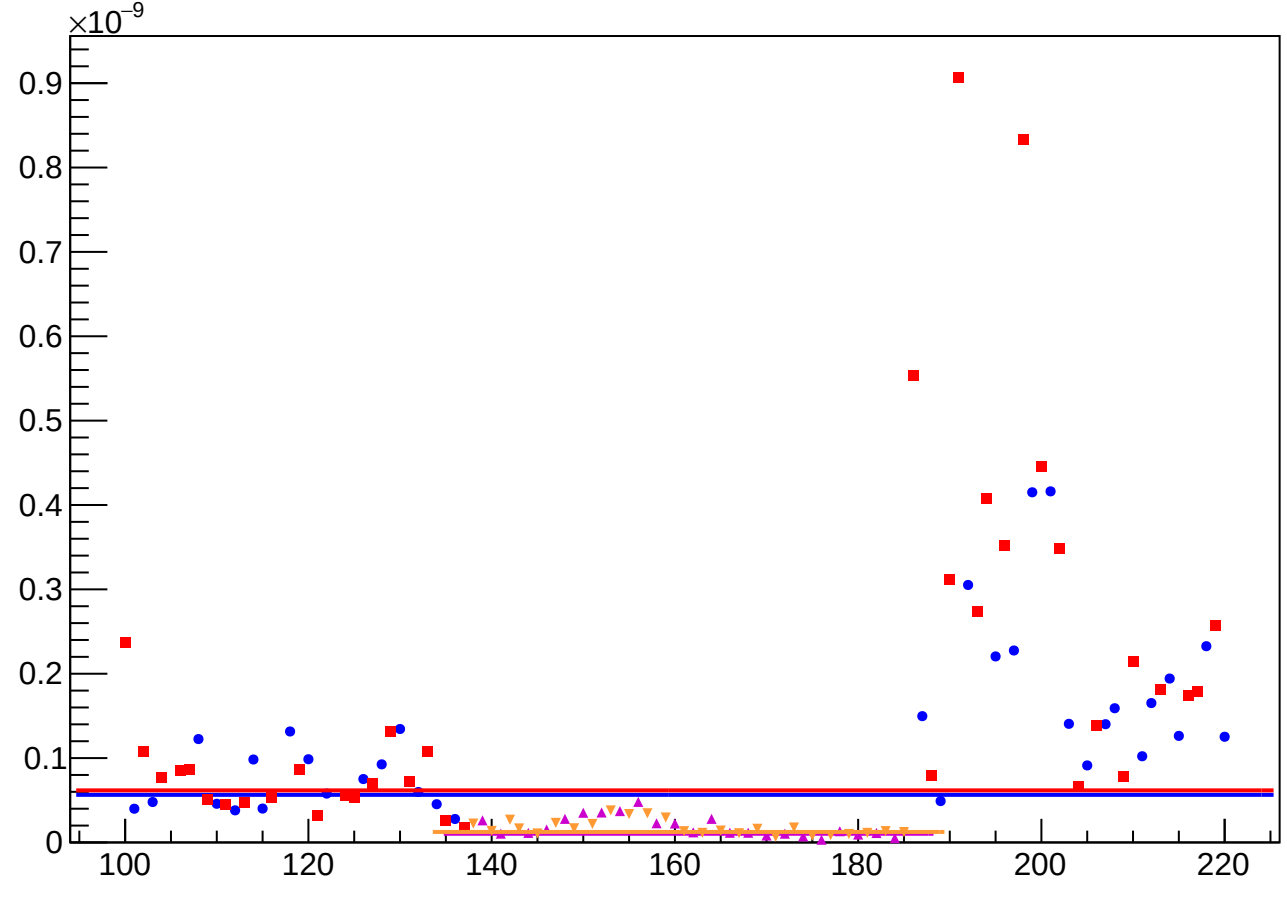
Right: 2102.365+/-0.243 χ^2/NDF: 9278439.6/69

In: 968.263+/-0.126 χ^2/NDF:18795815.1/55

Out: 974.020+/-0.125 χ^2/NDF:20115029.2/61

All: 971.168+/-0.089 χ^2/NDF: 38911900.4/11


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
200
220
Right In: -0.000+/-0.000 χ²/NDF: 20.2/32
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.0/36
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: 64.4/69
In: 0.000+/-0.000 χ²/NDF:52.0/55
Out: -0.000+/-0.000 χ²/NDF:68.2/61
All: 0.000+/-0.000 χ²/NDF: 121.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 6702462.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7698687.9/36

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

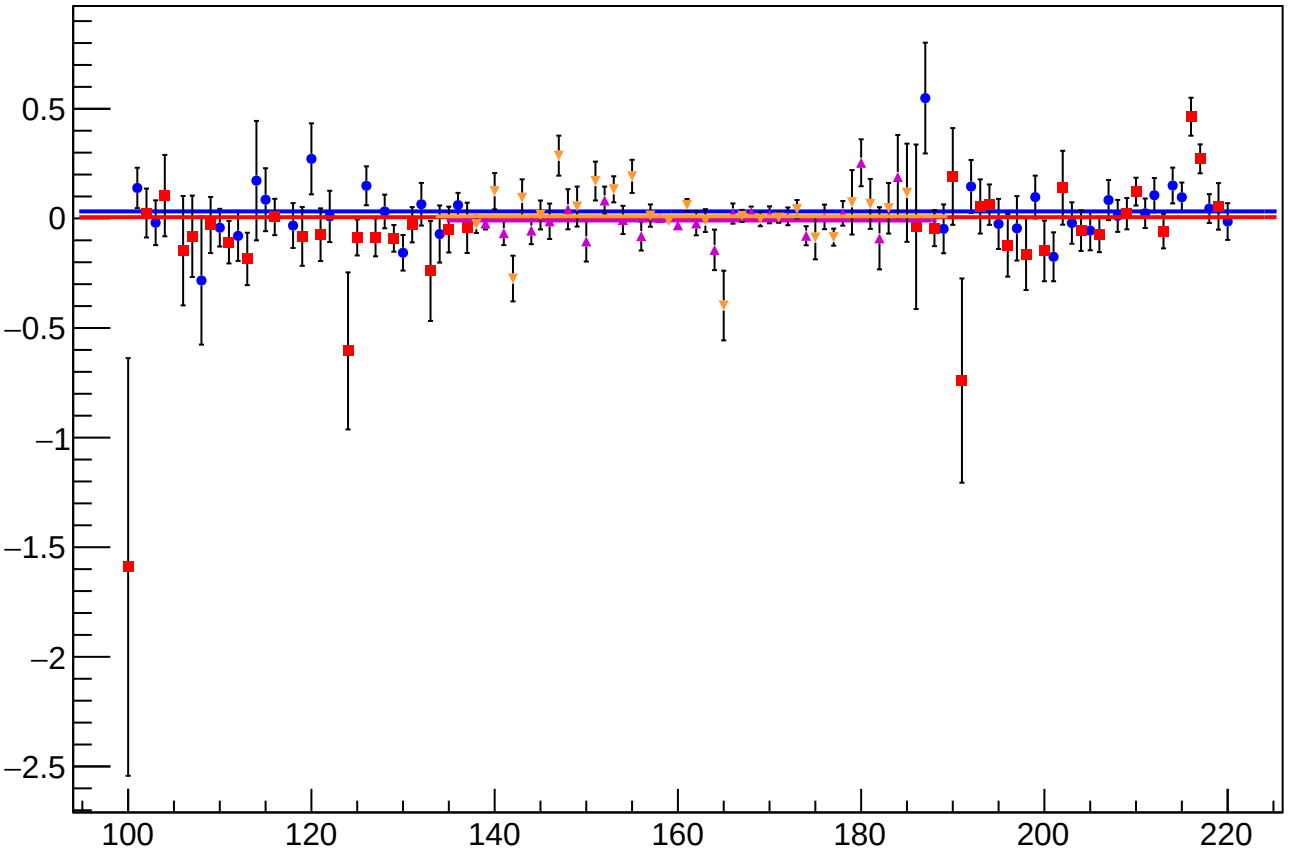
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14441777.0/69

In: 0.000+/-0.000 χ^2/NDF:16952873.7/55

Out: 0.000+/-0.000 χ^2/NDF:16128725.1/61

All: 0.000+/-0.000 χ^2/NDF: 33277380.3/117



Right In: 0.032+/-0.016 χ^2/NDF: 31.6/32

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

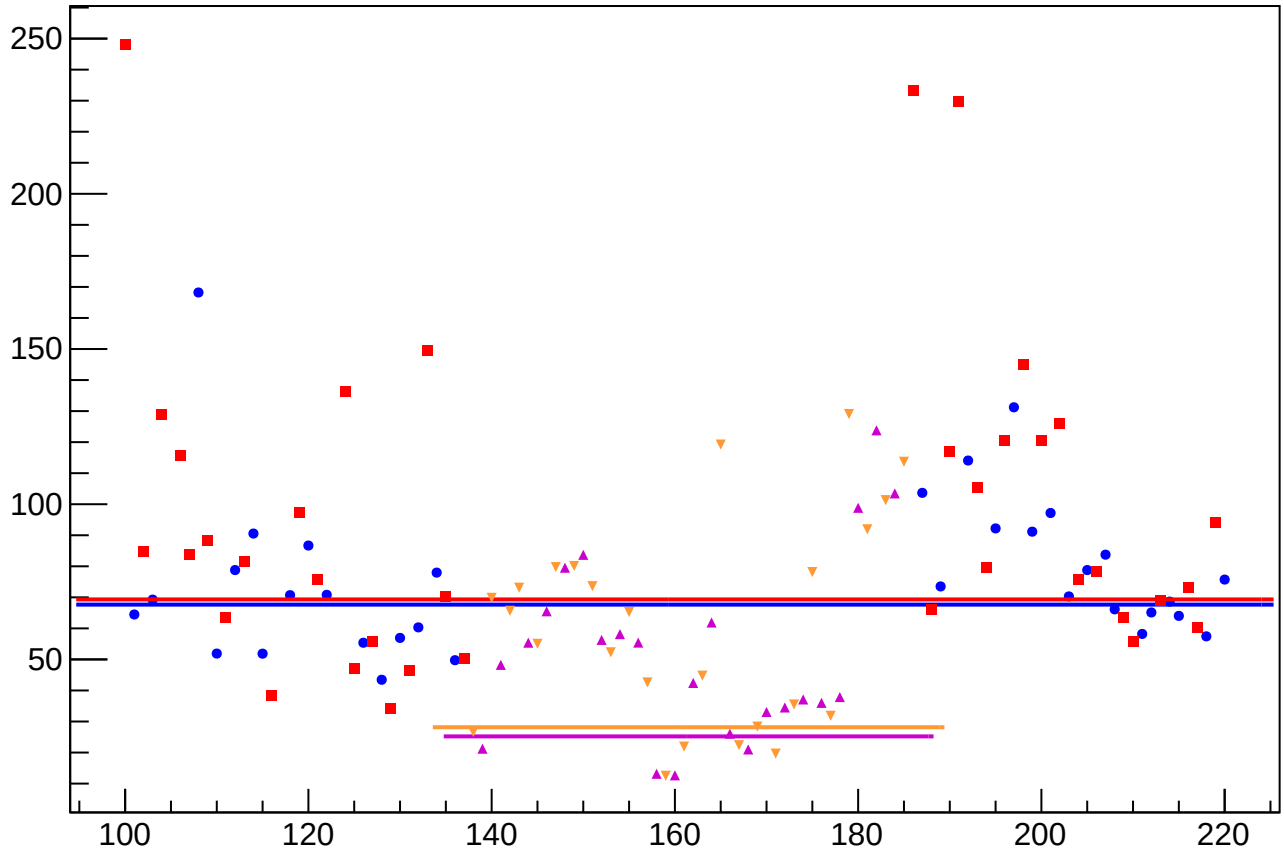
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.019+/-0.012 χ^2/NDF: 108.9/69

In: -0.002+/-0.007 χ^2/NDF:62.0/55

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.003+/-0.005 χ^2/NDF: 193.7/117



Right In: 67.660+/-0.011 χ^2/NDF: 2170083.8/32

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

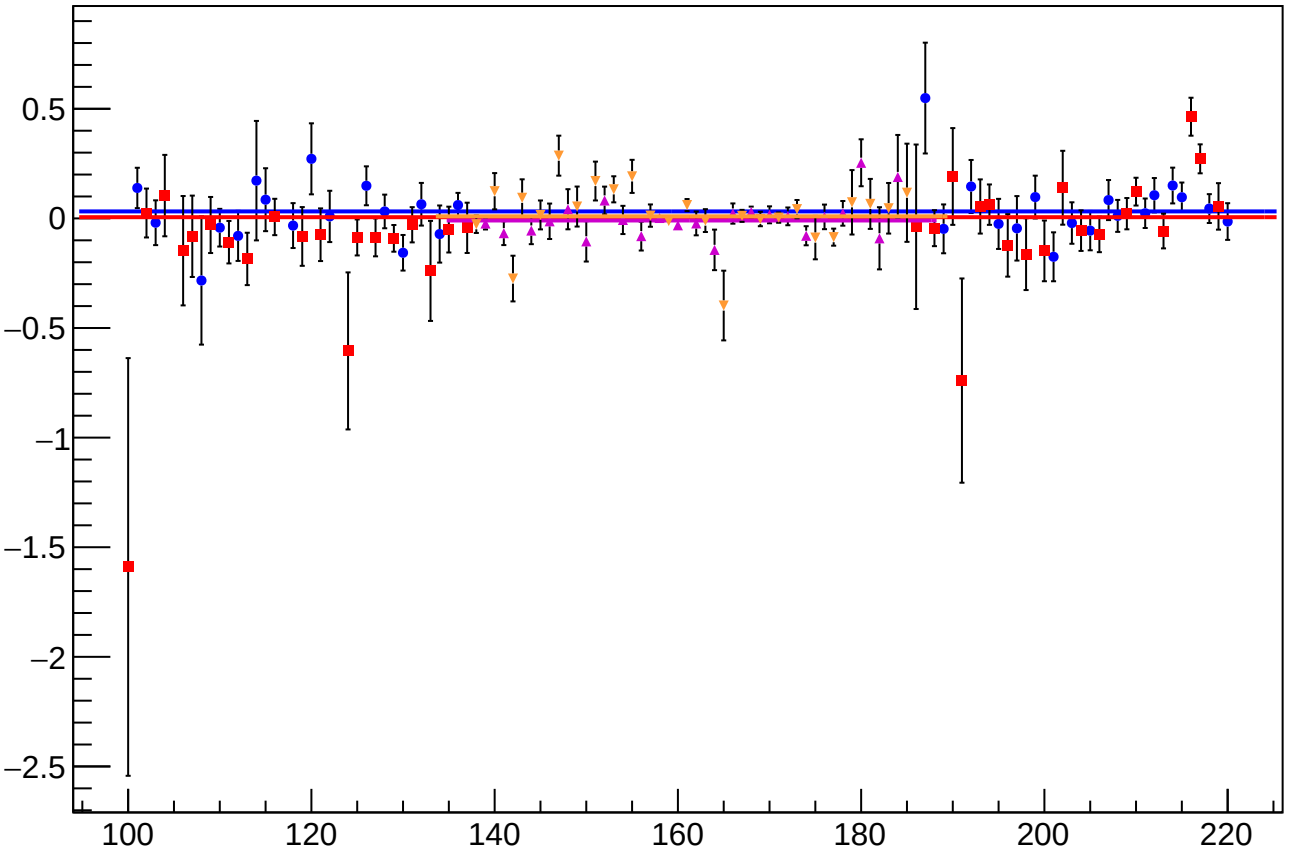
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.453+/-0.008 χ^2/NDF: 6798909.9/69

In: 33.365+/-0.005 χ^2/NDF:23168277.0/55

Out: 36.261+/-0.005 χ^2/NDF:25026536.4/61

All: 34.723+/-0.004 χ^2/NDF: 48349840.5/117



Right In: 0.032+/-0.016 χ^2/NDF: 31.6/32

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

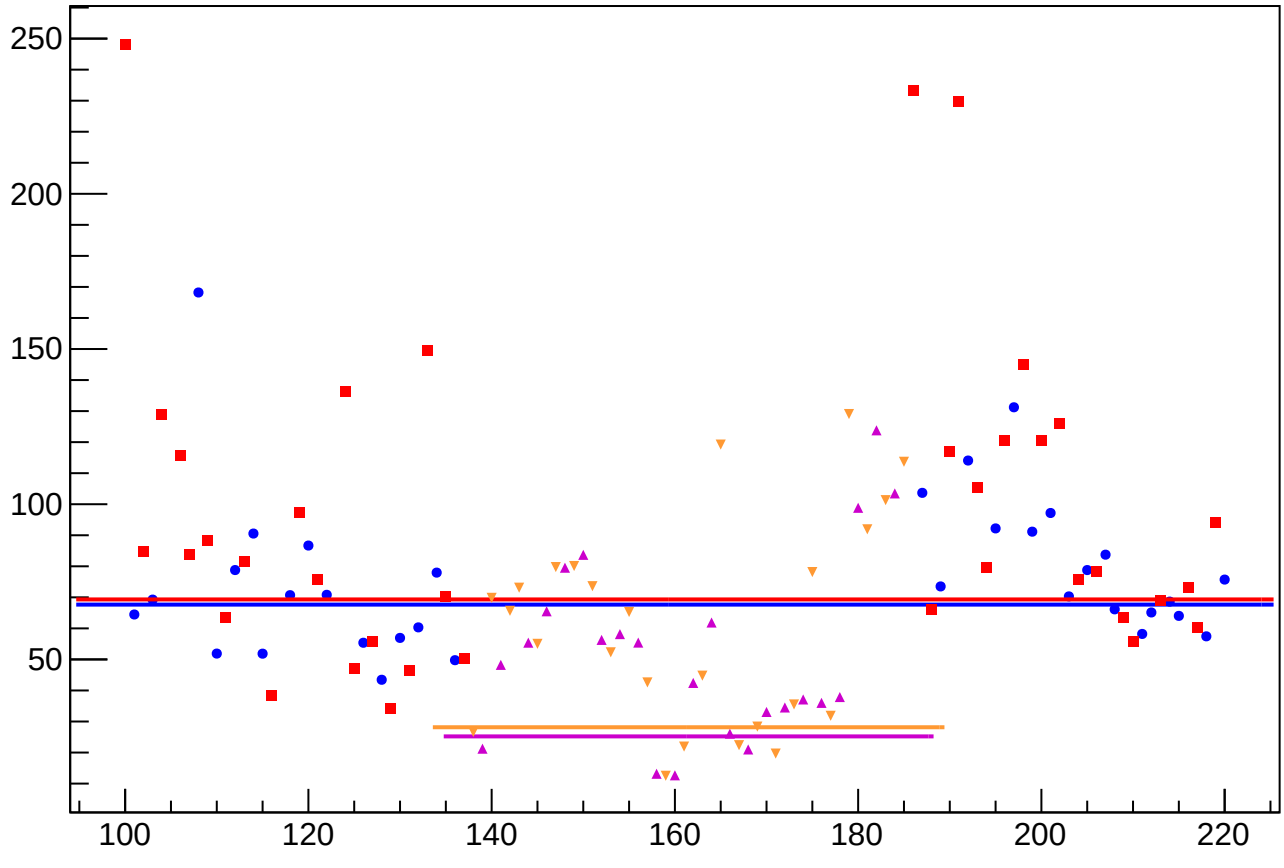
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.019+/-0.012 χ^2/NDF: 108.9/69

In: -0.002+/-0.007 χ^2/NDF:62.0/55

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.003+/-0.005 χ^2/NDF: 193.7/117



Right In: 67.660+/-0.011 χ^2/NDF: 2170083.8/32

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

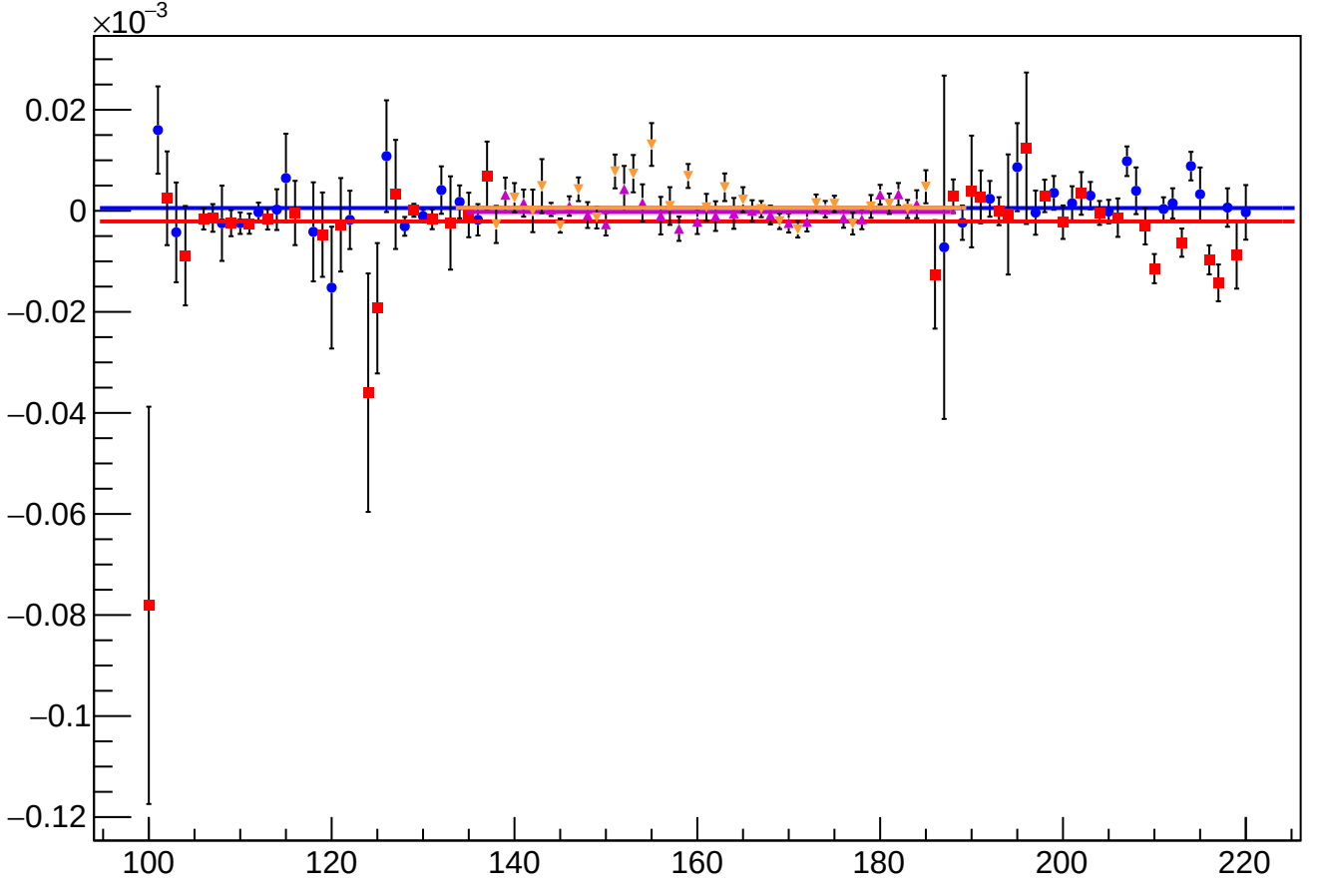
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.453+/-0.008 χ^2/NDF: 6798909.9/69

In: 33.365+/-0.005 χ^2/NDF:23168277.0/55

Out: 36.261+/-0.005 χ^2/NDF:25026536.4/61

All: 34.723+/-0.004 χ^2/NDF: 48349840.5/117



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 56.4/36

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

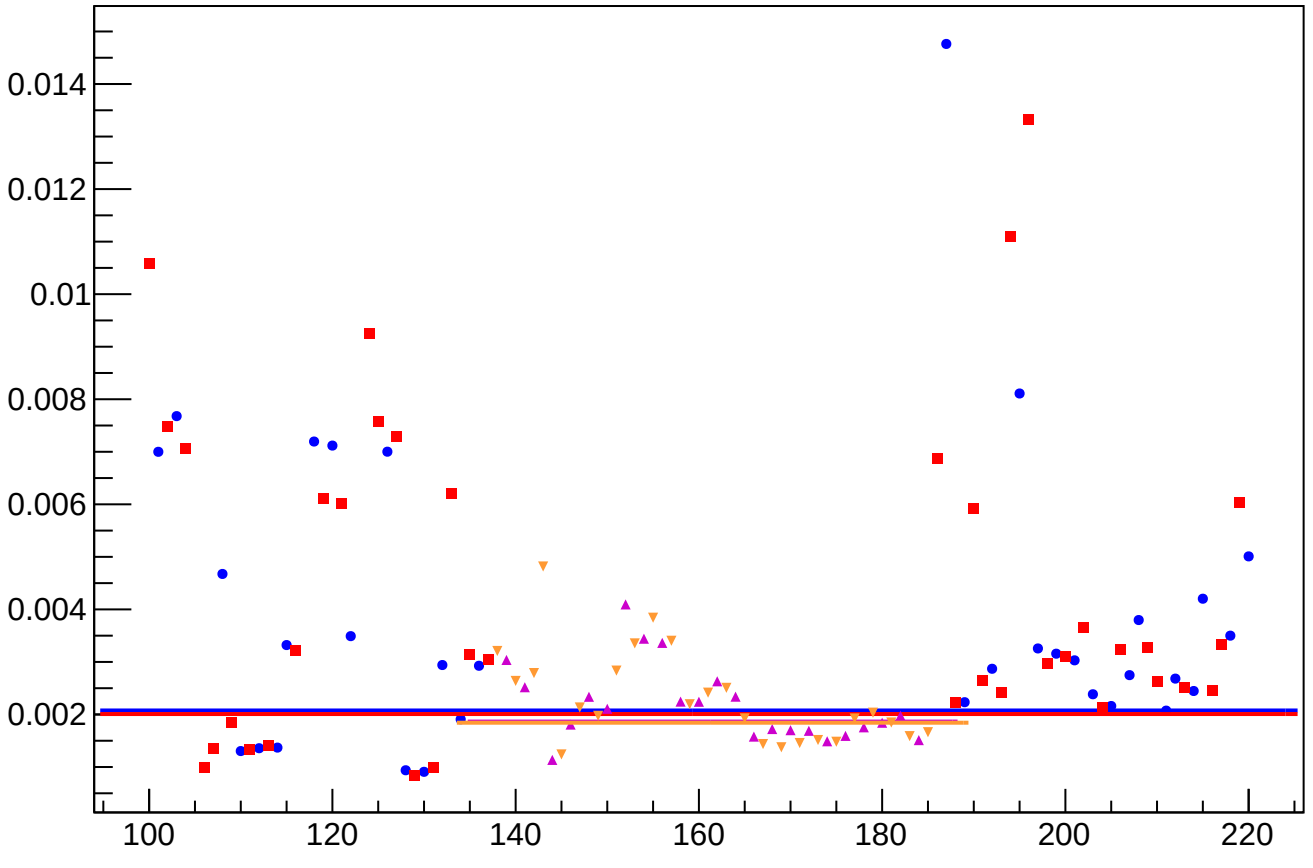
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 107.2/69

In: 0.000+/-0.000 χ^2/NDF:56.9/55

Out: -0.000+/-0.000 χ^2/NDF:123.5/61

All: -0.000+/-0.000 χ^2/NDF: 181.7/117



Right In: 0.002+/-0.000 χ^2/NDF: 9879663.6/32

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12532377.1/36

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

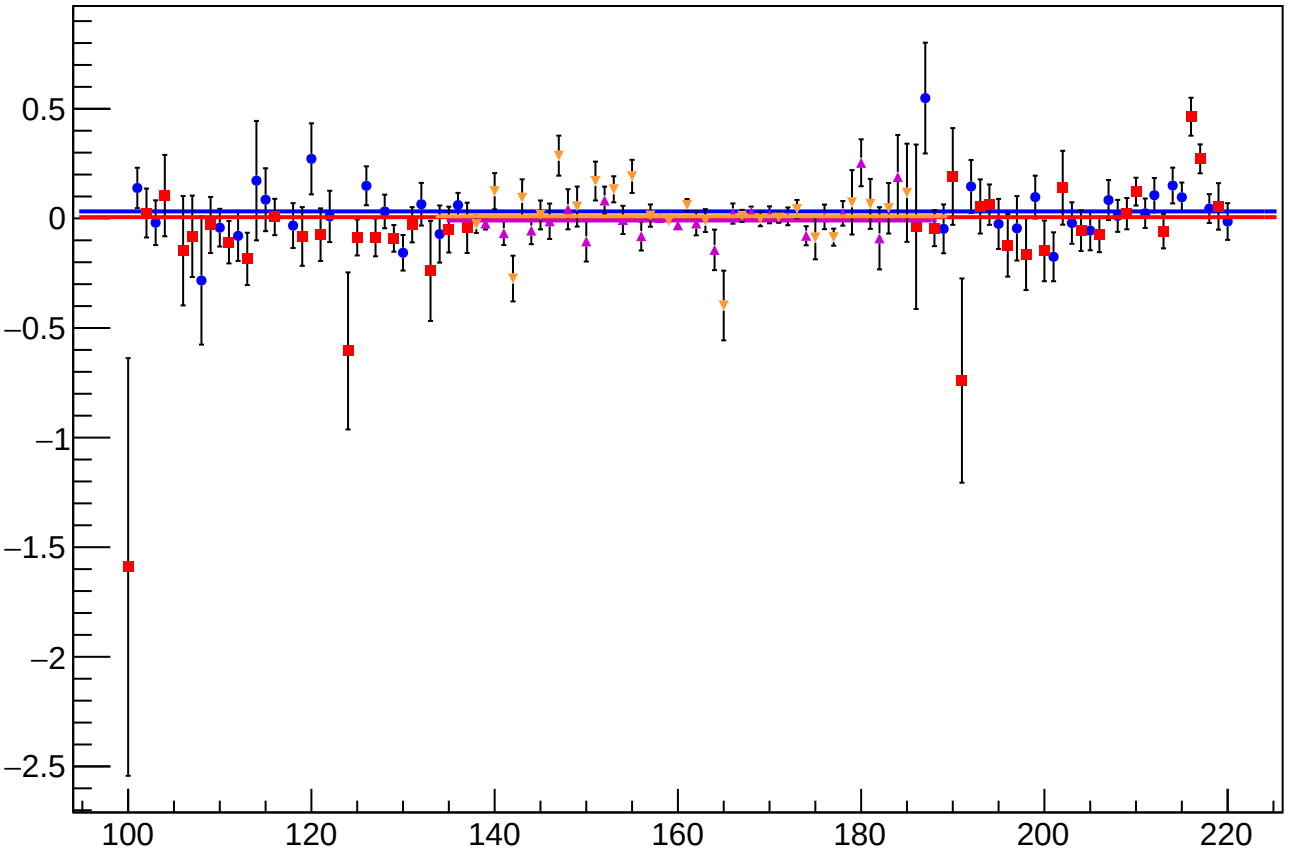
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 22427374.9/69

In: 0.002+/-0.000 χ^2/NDF:12847122.2/55

Out: 0.002+/-0.000 χ^2/NDF:16425742.4/61

All: 0.002+/-0.000 χ^2/NDF: 29287472.2/117



Right In: 0.032+/-0.016 χ^2/NDF: 31.6/32

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

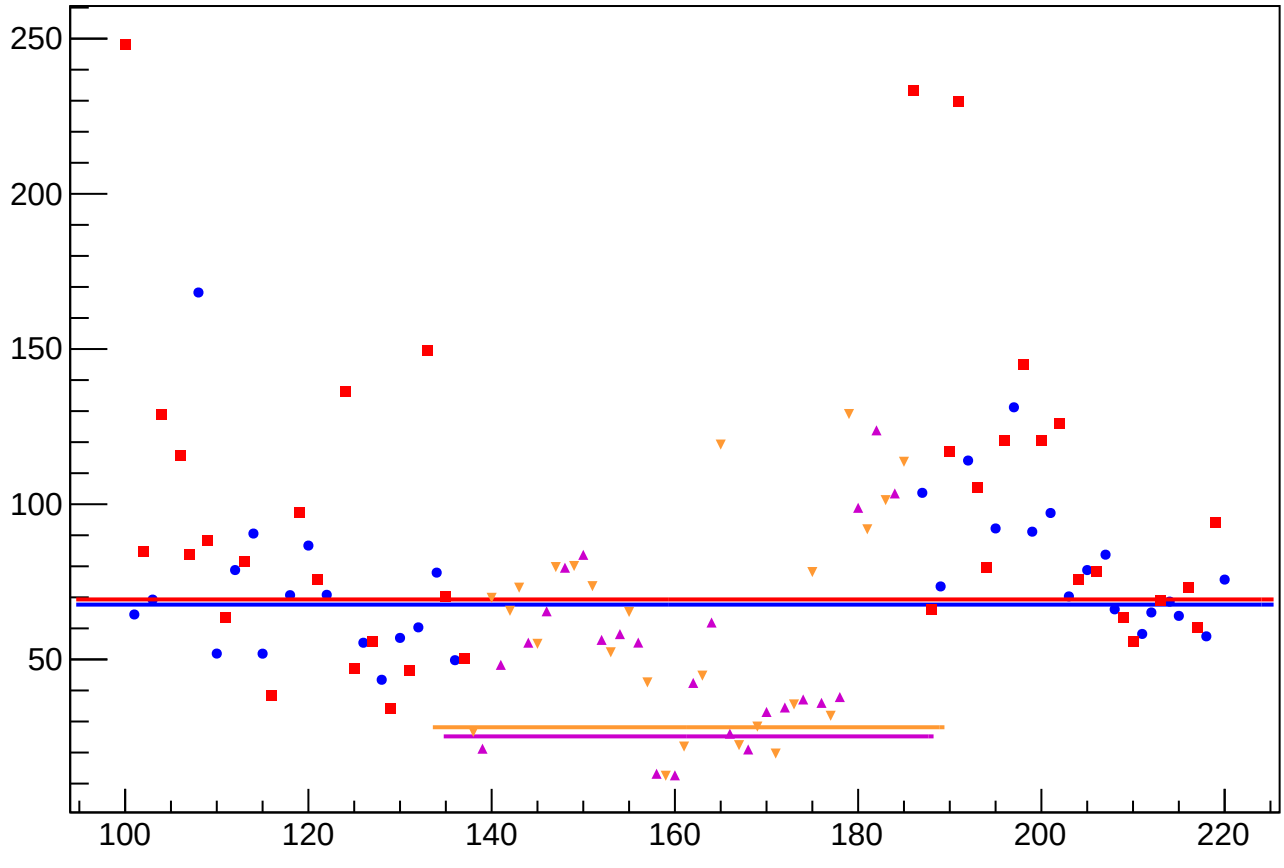
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.019+/-0.012 χ^2/NDF: 108.9/69

In: -0.002+/-0.007 χ^2/NDF:62.0/55

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.003+/-0.005 χ^2/NDF: 193.7/117



Right In: 67.661+/-0.011 χ^2/NDF: 2170063.0/32

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

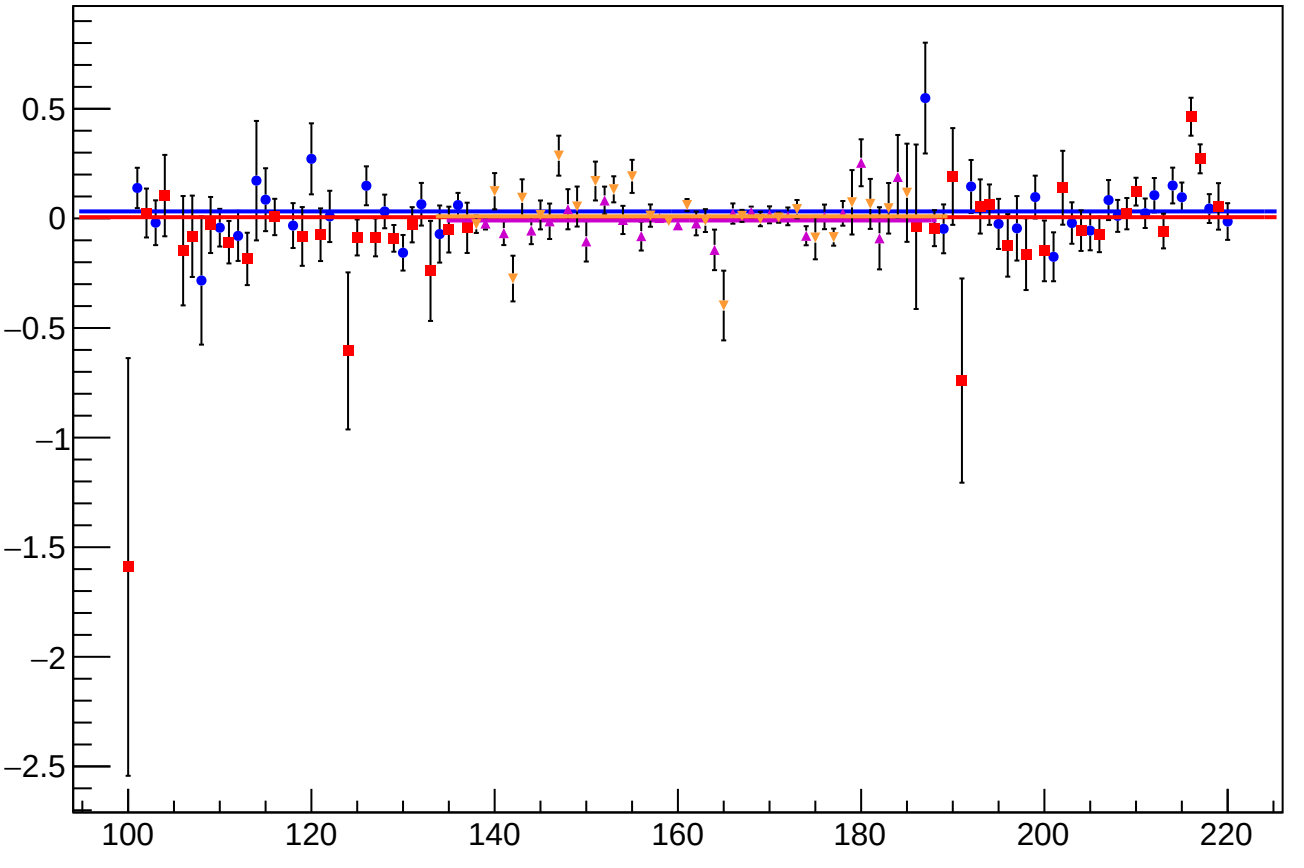
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.454+/-0.008 χ^2/NDF: 6798944.0/69

In: 33.365+/-0.005 χ^2/NDF:23169070.8/55

Out: 36.260+/-0.005 χ^2/NDF:25028470.2/61

All: 34.722+/-0.004 χ^2/NDF: 48352485.1/117



Right In: 0.032+/-0.016 χ^2/NDF: 31.6/32

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

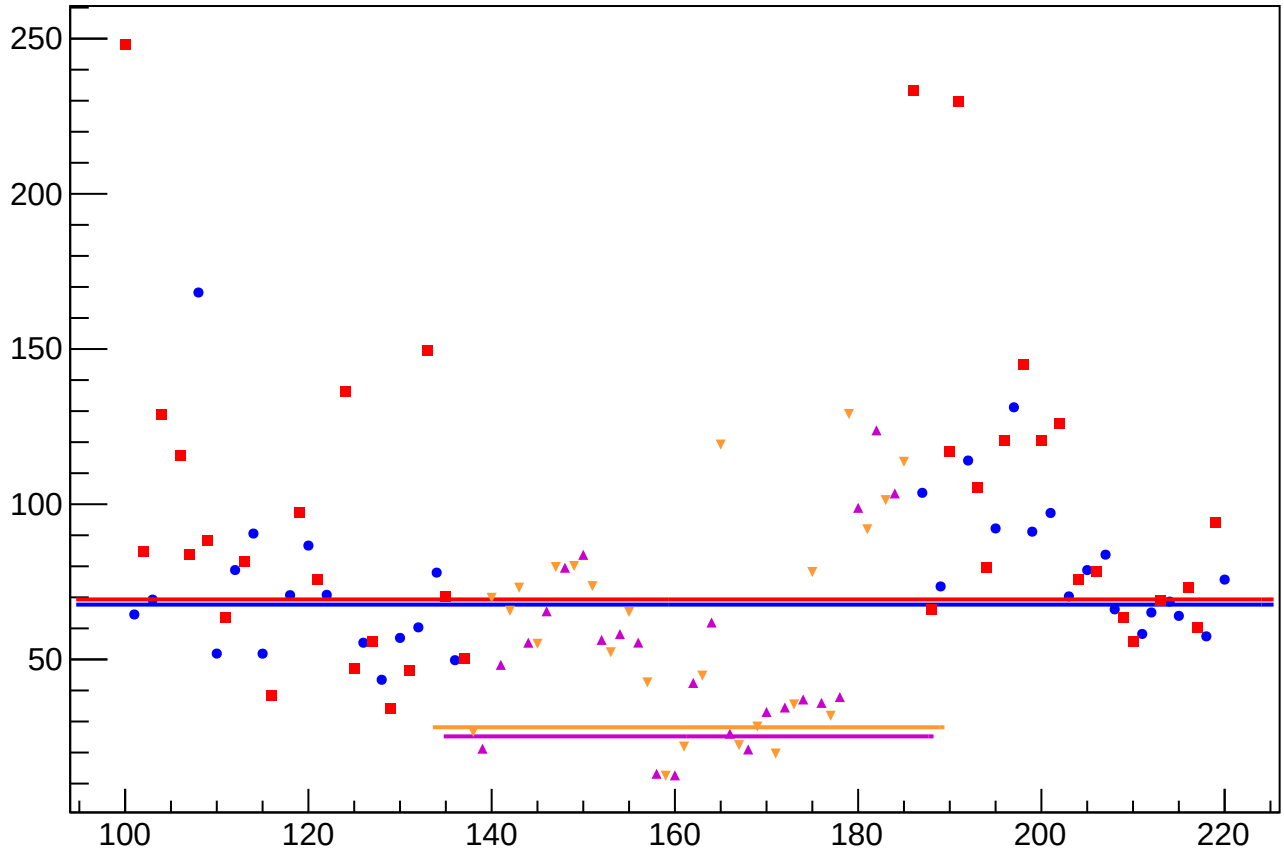
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.019+/-0.012 χ^2/NDF: 108.9/69

In: -0.002+/-0.007 χ^2/NDF:62.0/55

Out: 0.009+/-0.008 χ^2/NDF:130.8/61

All: 0.003+/-0.005 χ^2/NDF: 193.7/117



Right In: 67.661+/-0.011 χ^2/NDF: 2170063.0/32

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

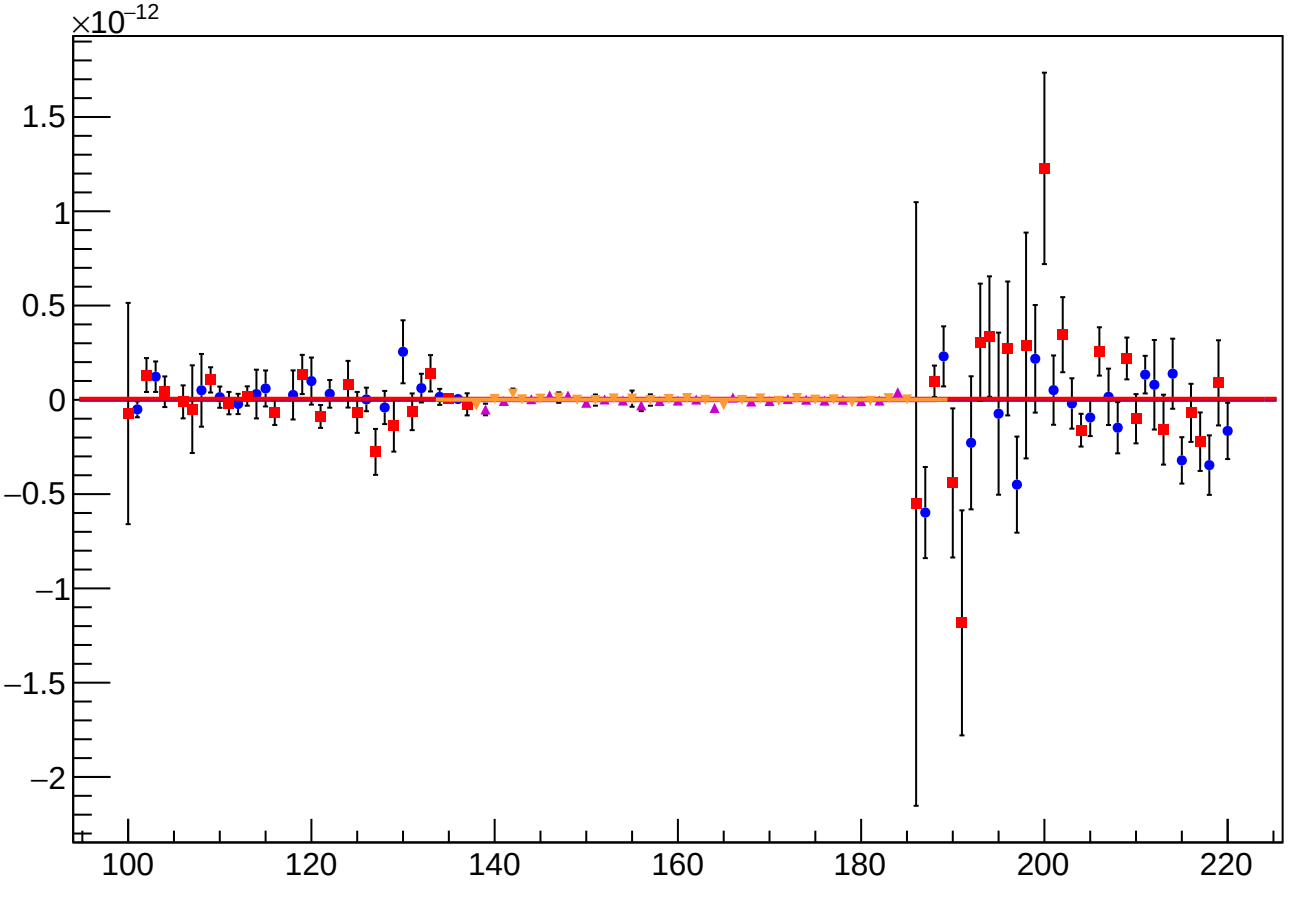
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.454+/-0.008 χ^2/NDF: 6798944.0/69

In: 33.365+/-0.005 χ^2/NDF:23169070.8/55

Out: 36.260+/-0.005 χ^2/NDF:25028470.2/61

All: 34.722+/-0.004 χ^2/NDF: 48352485.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.0/36

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

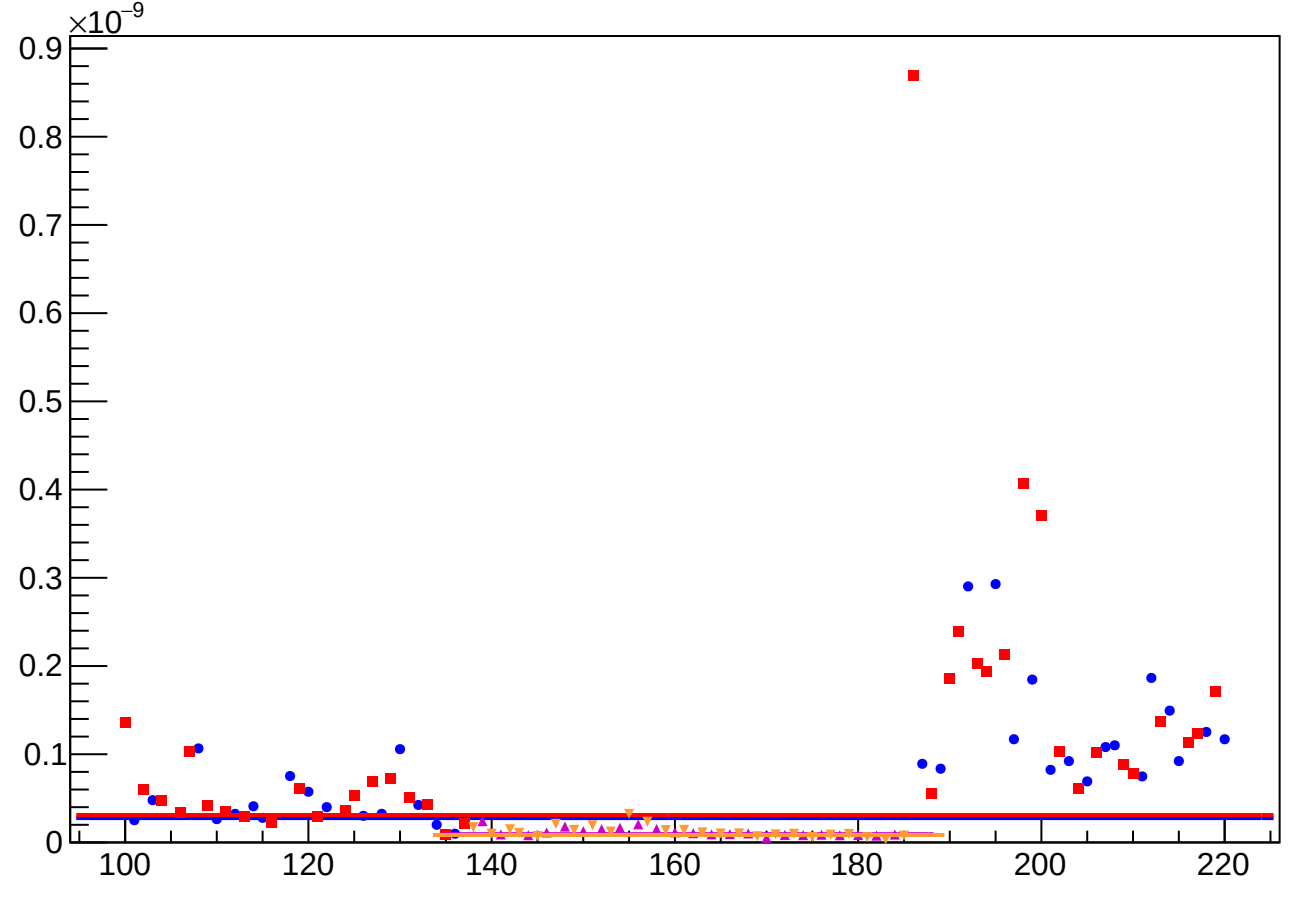
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 91.7/69

In: -0.000+/-0.000 χ^2/NDF:59.5/55

Out: 0.000+/-0.000 χ^2/NDF:64.4/61

All: 0.000+/-0.000 χ^2/NDF: 124.6/117



Right In: 0.000+/-0.000 χ^2/NDF: 13538471.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13456540.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

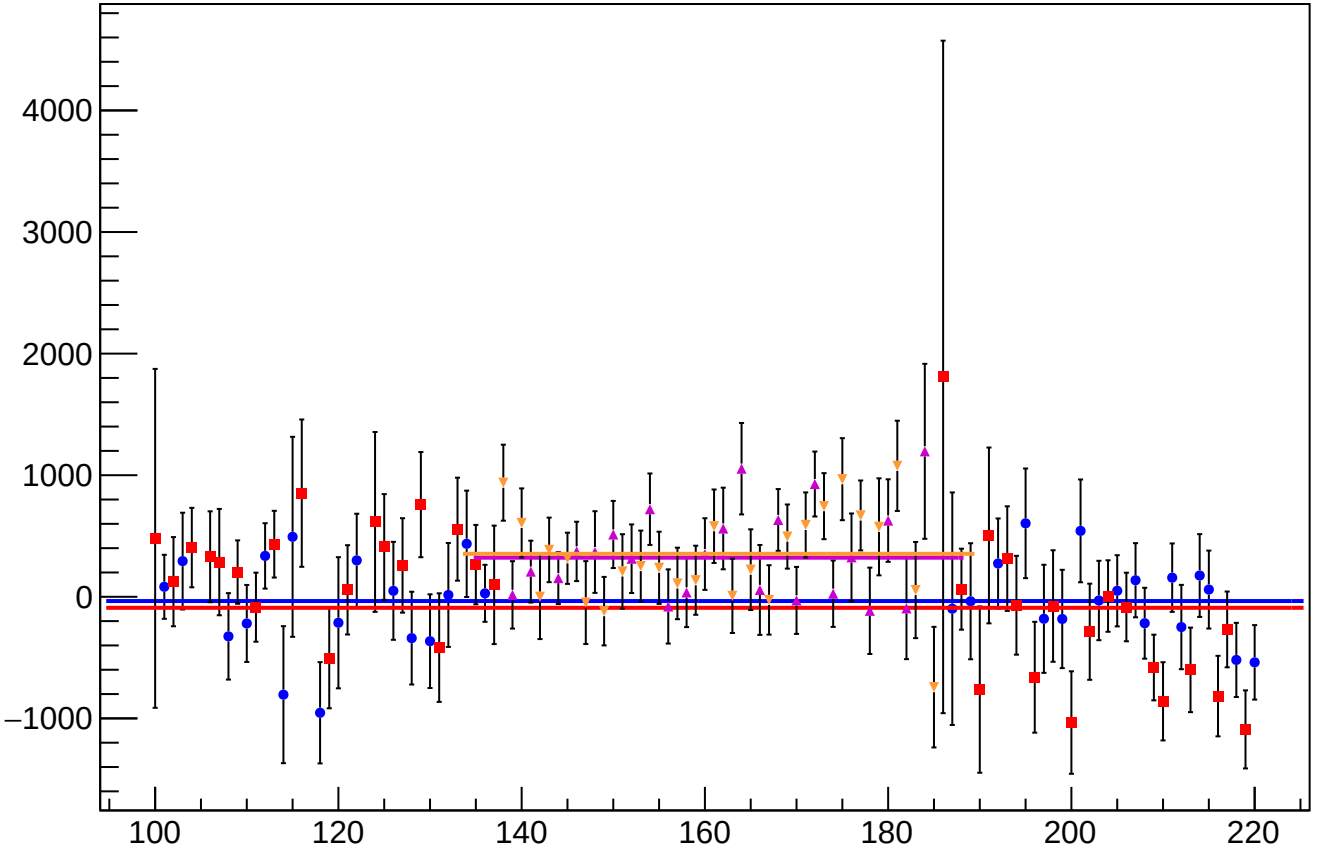
Right: 0.000+/-0.000 χ^2/NDF: 27076801.2/69

In: 0.000+/-0.000 χ^2/NDF:20340980.6/55

Out: 0.000+/-0.000 χ^2/NDF:23822890.3/61

All: 0.000+/-0.000 χ^2/NDF: 44304761.0/117

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -34.948+/-61.954 χ^2/NDF: 26.6/32

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -90.454+/-61.947 χ^2/NDF: 60.6/36

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

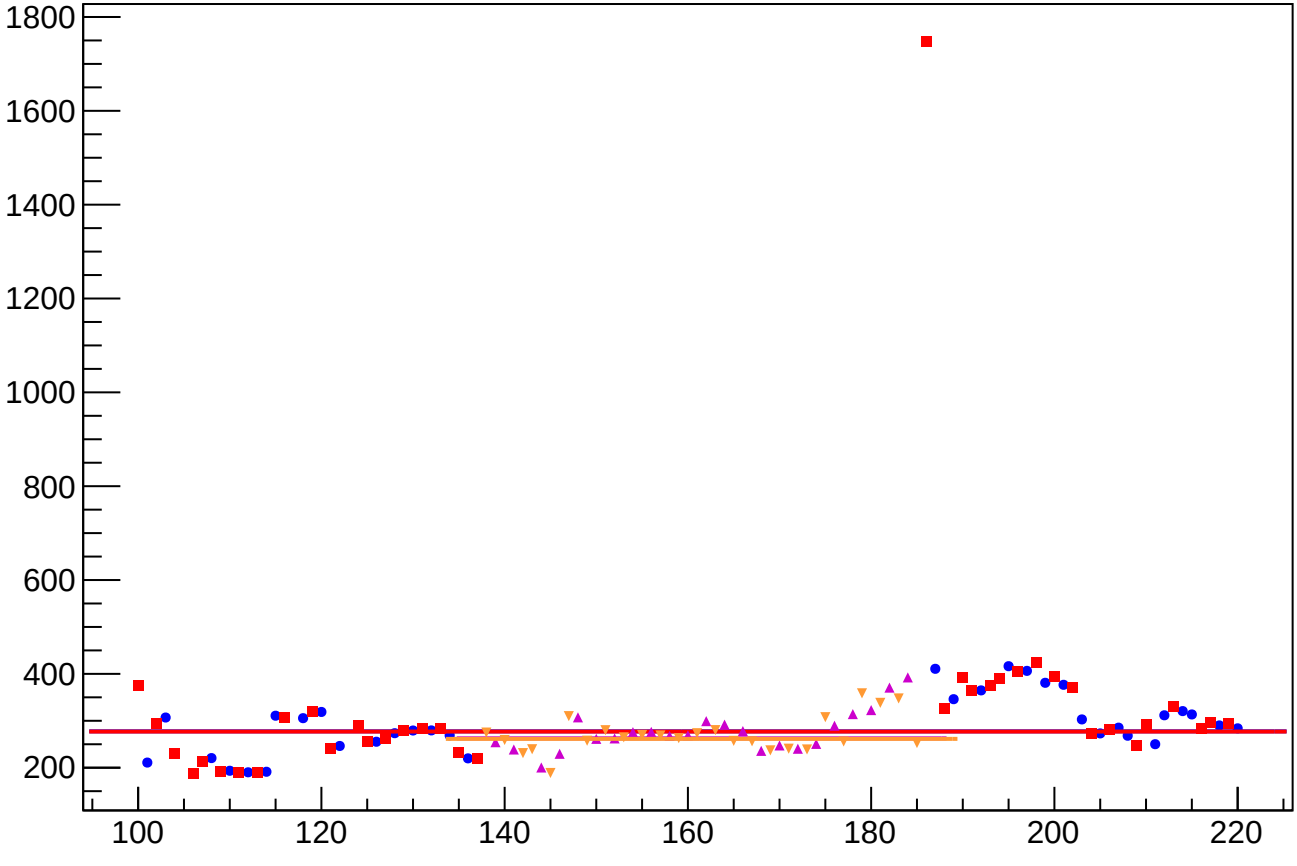
Right: -62.705+/-43.806 χ^2/NDF: 87.6/69

In: 142.824+/-43.864 χ^2/NDF:69.3/55

Out: 138.120+/-43.153 χ^2/NDF:119.4/61

All: 140.434+/-30.762 χ^2/NDF: 188.7/117

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 277.498+/-0.044 χ^2/NDF: 1659740.6/32

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.066+/-0.044 χ^2/NDF: 2616407.1/36

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

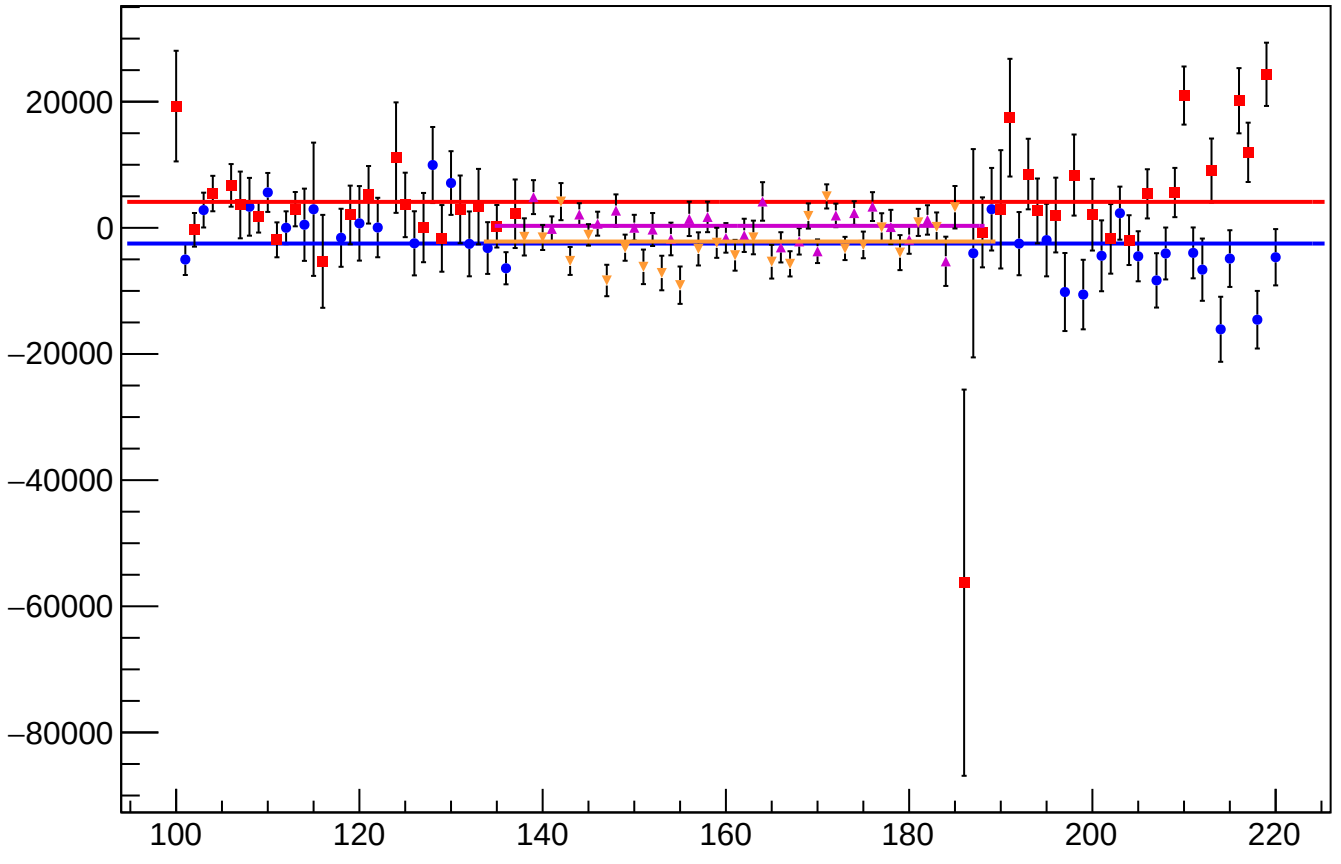
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.282+/-0.031 χ^2/NDF: 4276196.4/69

In: 270.076+/-0.031 χ^2/NDF:2387942.4/55

Out: 269.038+/-0.031 χ^2/NDF:3397130.4/61

All: 269.549+/-0.022 χ^2/NDF: 5785642.0/117



Right In: -2490.395+/-740.726 χ^2/NDF: 49.0/32

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 4115.080+/-726.022 χ^2/NDF: 73.1/36

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

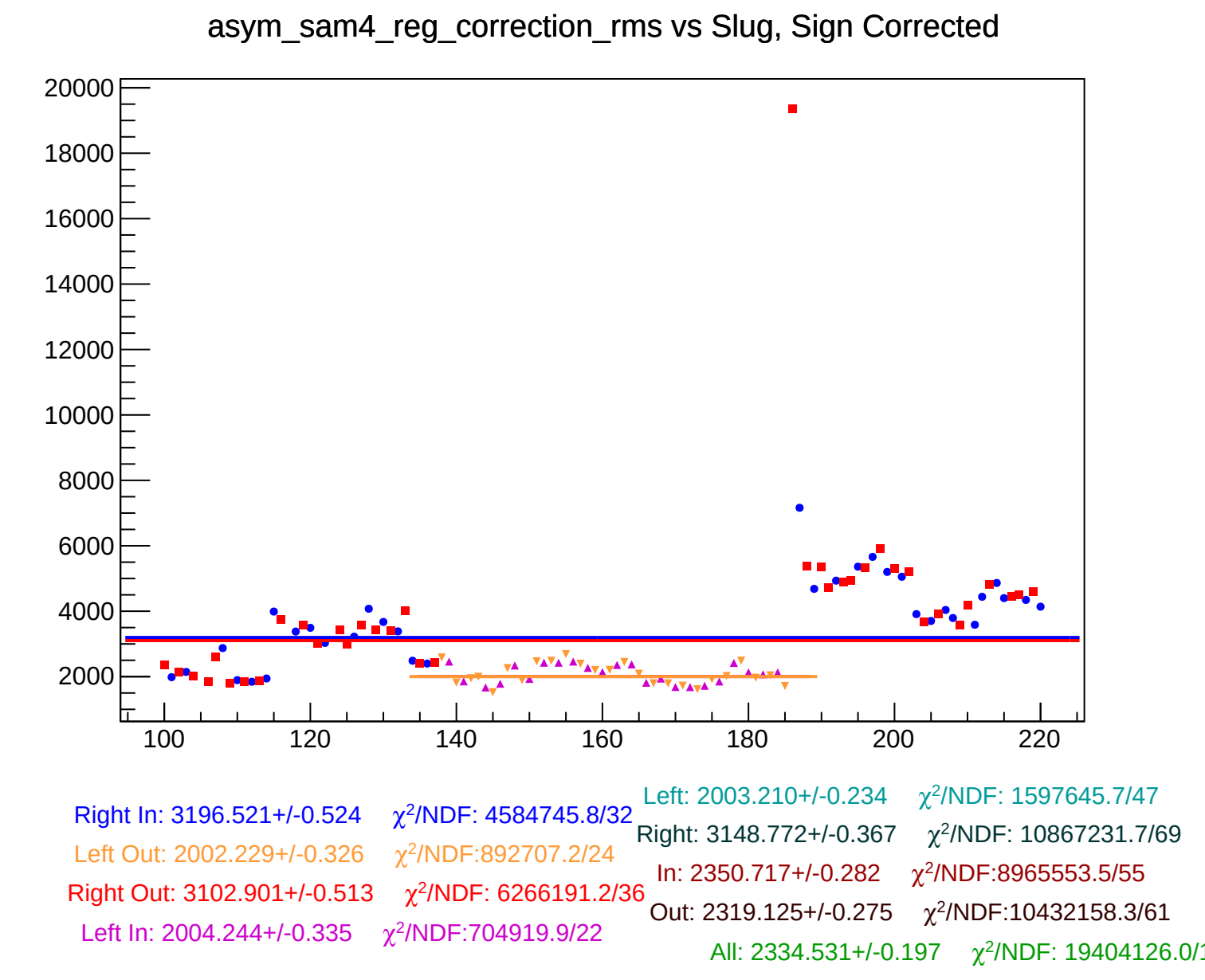
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 878.556+/-518.495 χ^2/NDF: 162.6/69

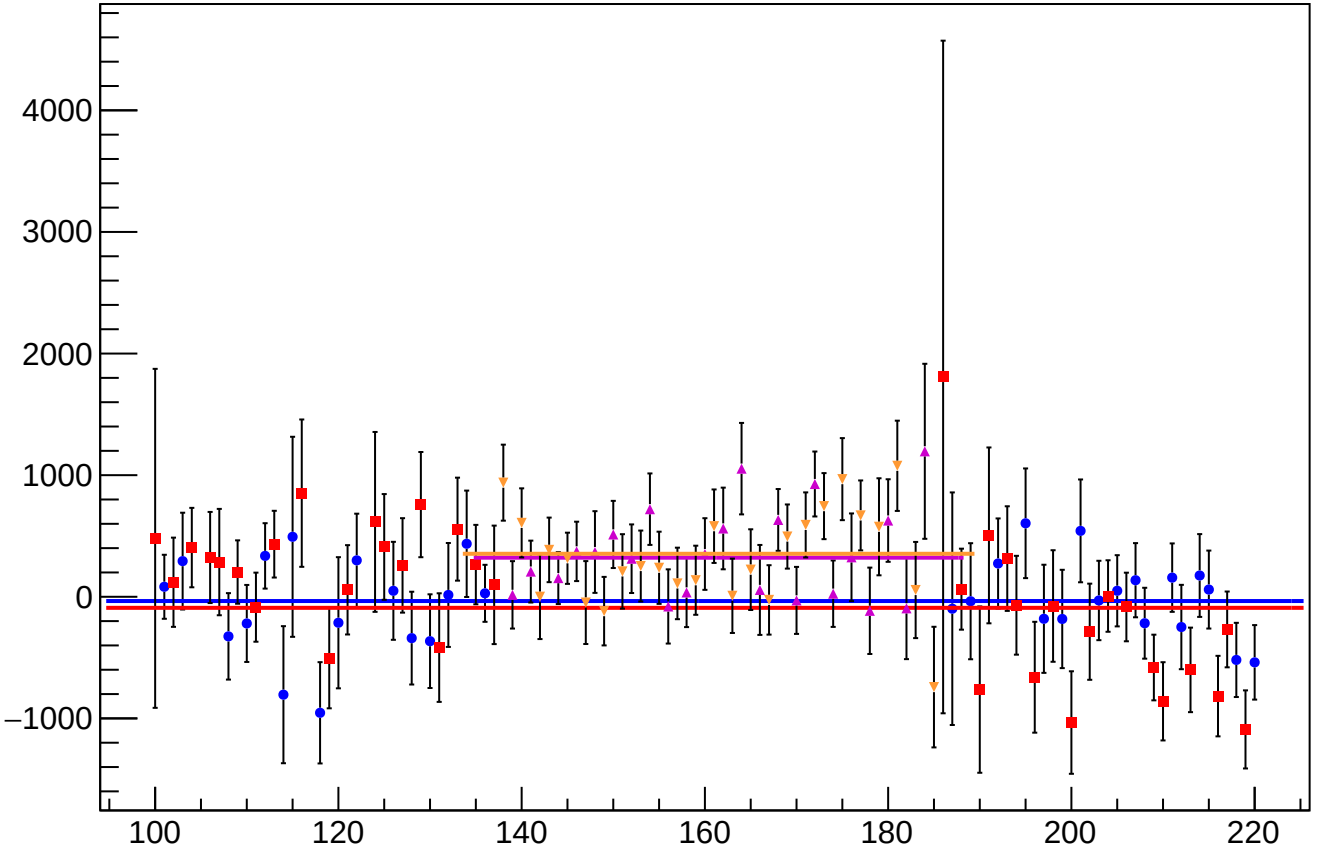
In: -501.135+/-399.304 χ^2/NDF:82.8/55

Out: -361.766+/-389.564 χ^2/NDF:182.0/61

All: -429.730+/-278.843 χ^2/NDF: 264.9/117


asym_sam4_reg_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 3196.521+/-0.524 χ²/NDF: 4584745.8/32
Left Out: 2002.229+/-0.326 χ²/NDF:892707.2/24
Right Out: 3102.901+/-0.513 χ²/NDF: 6266191.2/36
Left In: 2004.244+/-0.335 χ²/NDF:704919.9/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.7/47
Right: 3148.772+/-0.367 χ²/NDF: 10867231.7/69
In: 2350.717+/-0.282 χ²/NDF:8965553.5/55
Out: 2319.125+/-0.275 χ²/NDF:10432158.3/61
All: 2334.531+/-0.197 χ²/NDF: 19404126.0/

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -34.959+/-61.954 χ^2/NDF: 26.6/32

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -90.815+/-61.952 χ^2/NDF: 60.5/36

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

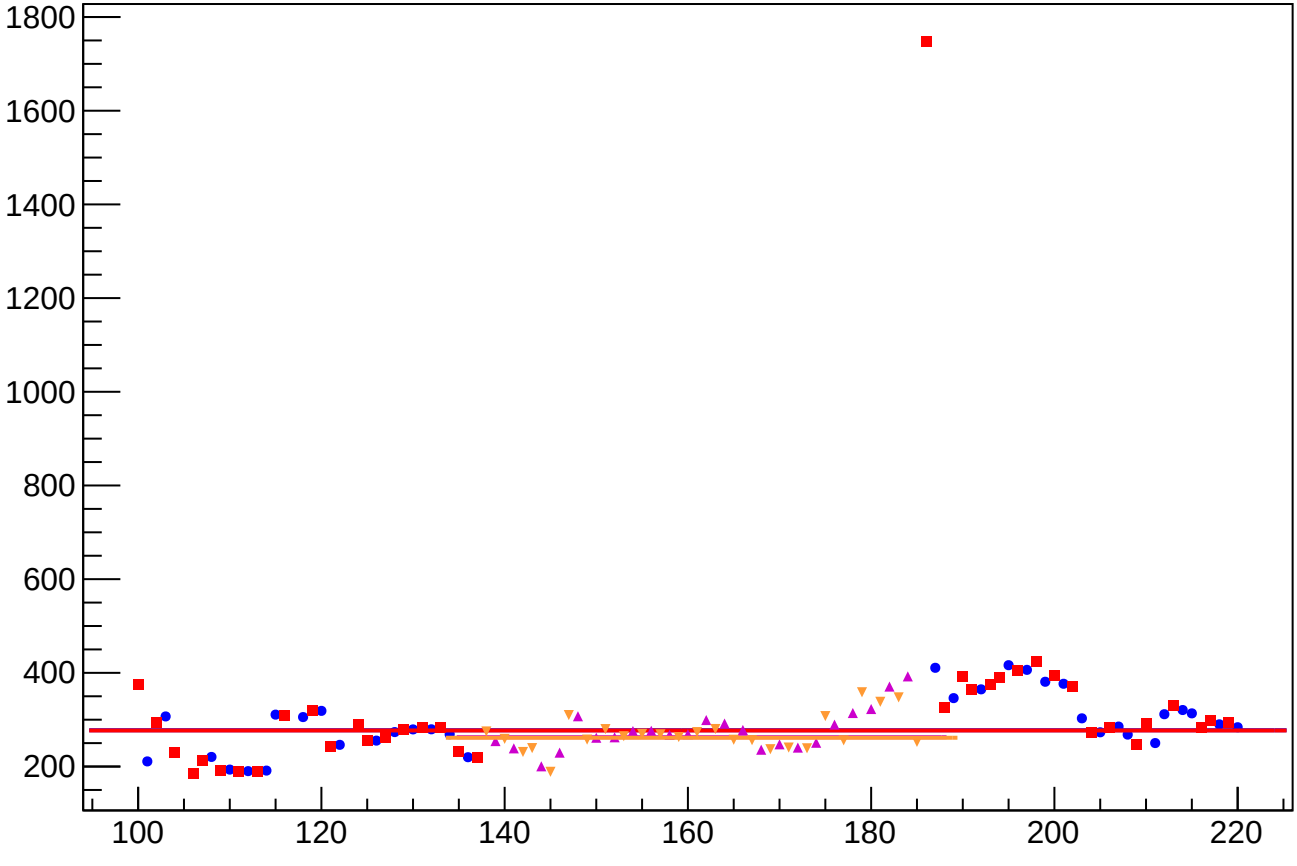
Right: -62.888+/-43.807 χ^2/NDF: 87.5/69

In: 142.821+/-43.864 χ^2/NDF:69.3/55

Out: 137.974+/-43.155 χ^2/NDF:119.3/61

All: 140.358+/-30.763 χ^2/NDF: 188.7/117

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 277.499+/-0.044 χ^2/NDF: 1659741.8/32

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

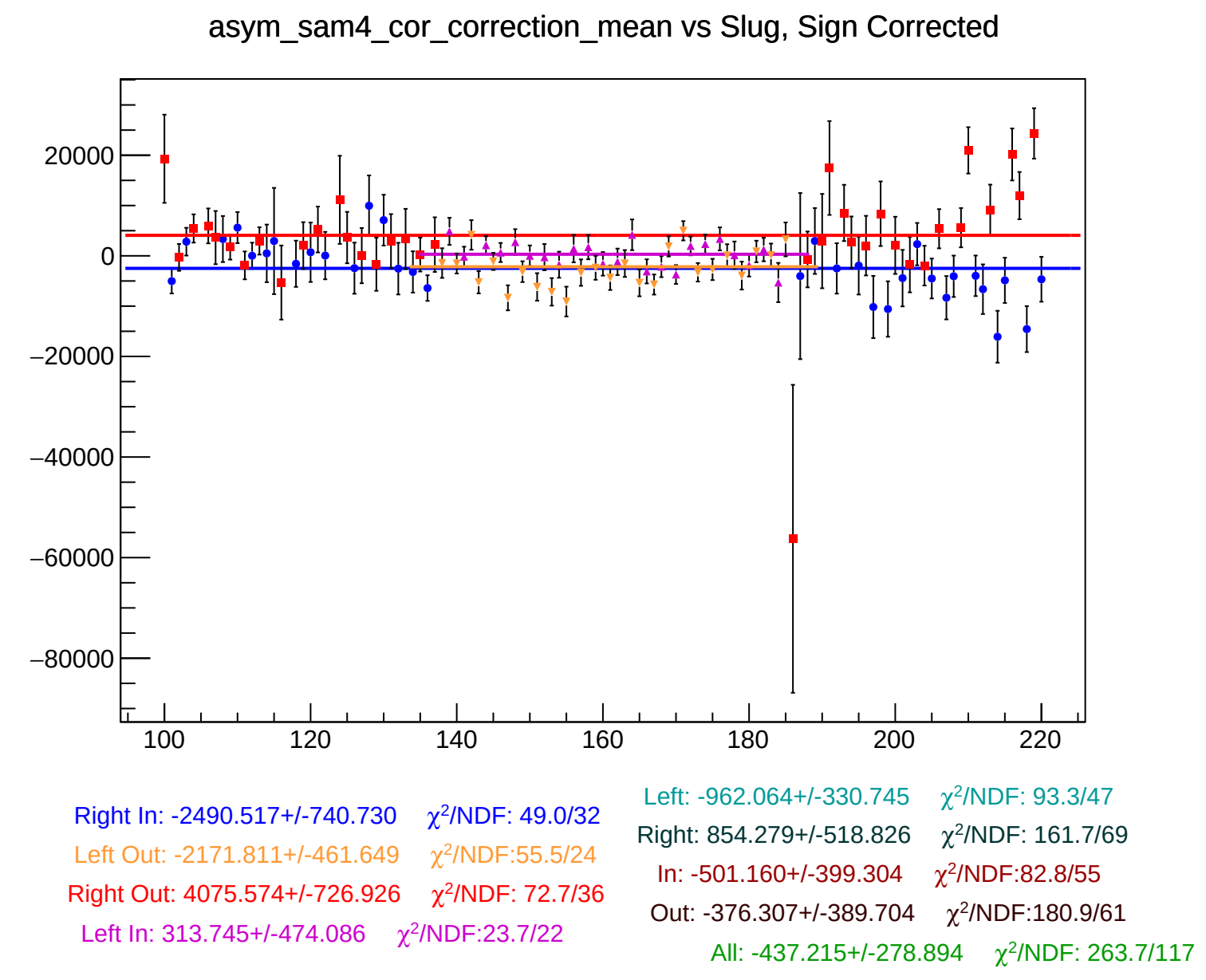
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.255+/-0.031 χ^2/NDF: 4282250.4/69

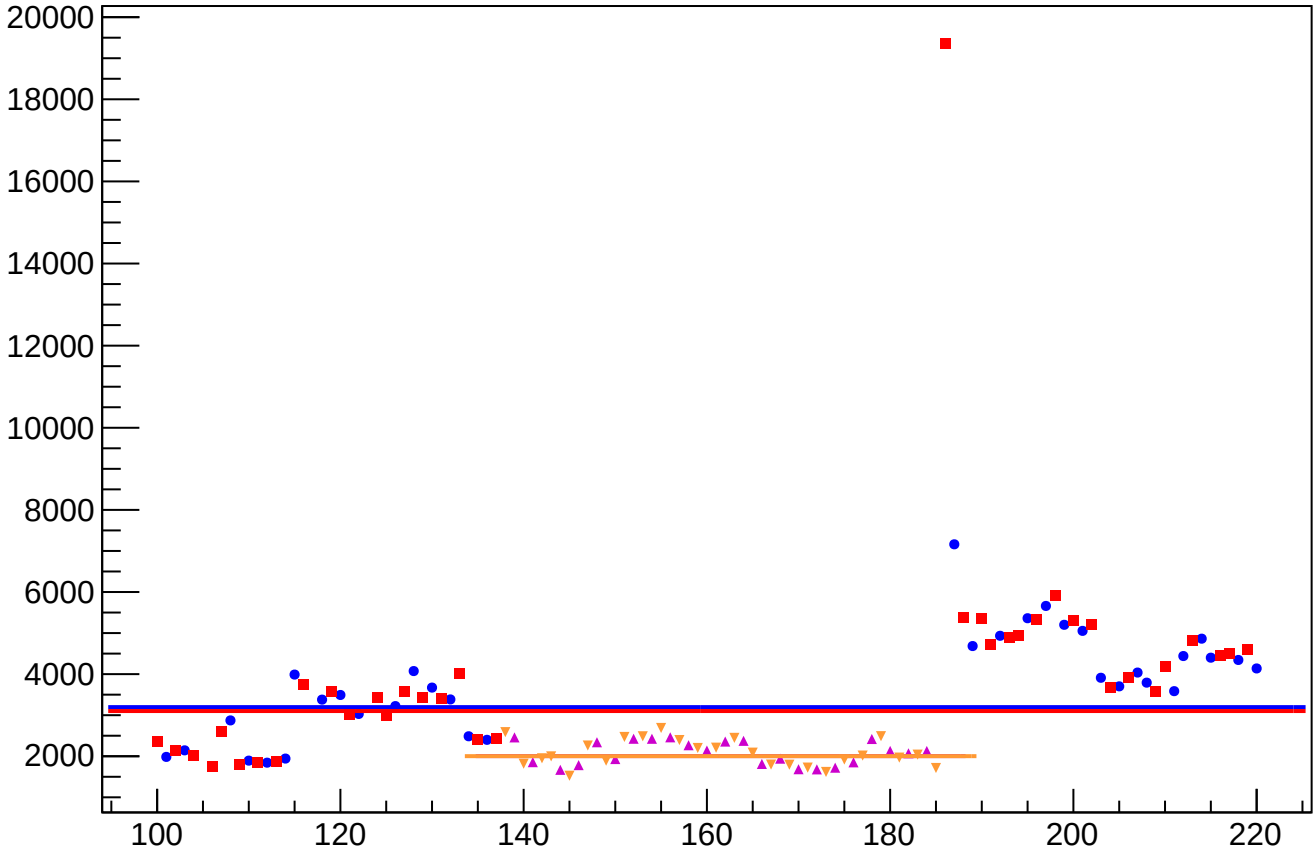
In: 270.076+/-0.031 χ^2/NDF:2387943.9/55

Out: 269.012+/-0.031 χ^2/NDF:3402715.1/61

All: 269.535+/-0.022 χ^2/NDF: 5791257.9/117


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: -2490.517+/-740.730 χ²/NDF: 49.0/32
Left Out: -2171.811+/-461.649 χ²/NDF:55.5/24
Right Out: 4075.574+/-726.926 χ²/NDF: 72.7/36
Left In: 313.745+/-474.086 χ²/NDF:23.7/22
Left: -962.064+/-330.745 χ²/NDF: 93.3/47
Right: 854.279+/-518.826 χ²/NDF: 161.7/69
In: -501.160+/-399.304 χ²/NDF:82.8/55
Out: -376.307+/-389.704 χ²/NDF:180.9/61
All: -437.215+/-278.894 χ²/NDF: 263.7/117

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 3196.544+/-0.524 χ^2/NDF: 4584614.0/32

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3101.166+/-0.514 χ^2/NDF: 6299494.3/36

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

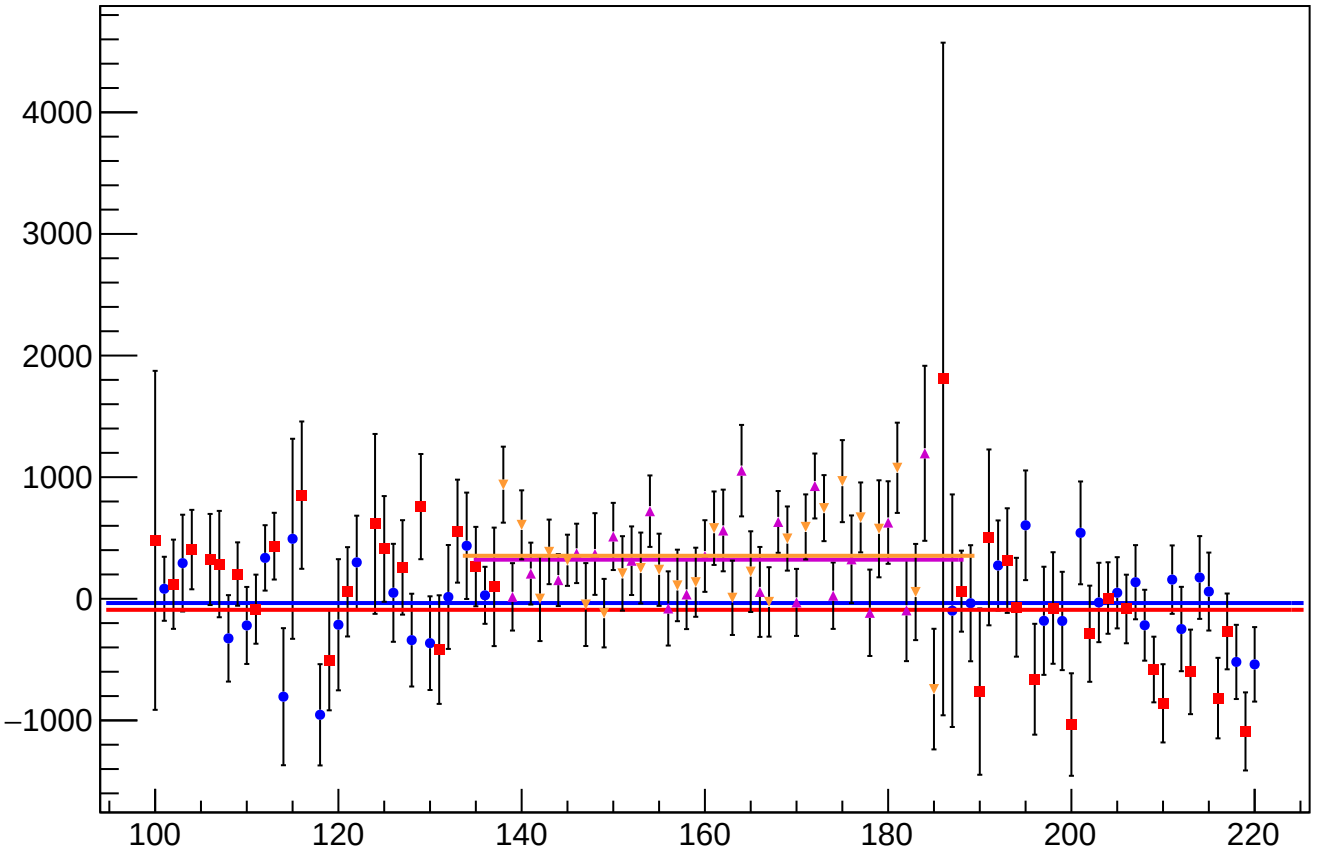
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 3147.958+/-0.367 χ^2/NDF: 10900999.9/69

In: 2350.721+/-0.282 χ^2/NDF:8965533.1/55

Out: 2318.064+/-0.276 χ^2/NDF:10449370.8/61

All: 2333.995+/-0.197 χ^2/NDF: 19421755.2/1



Right In: -34.959+/-61.954 χ^2/NDF: 26.6/32

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -90.815+/-61.952 χ^2/NDF: 60.5/36

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

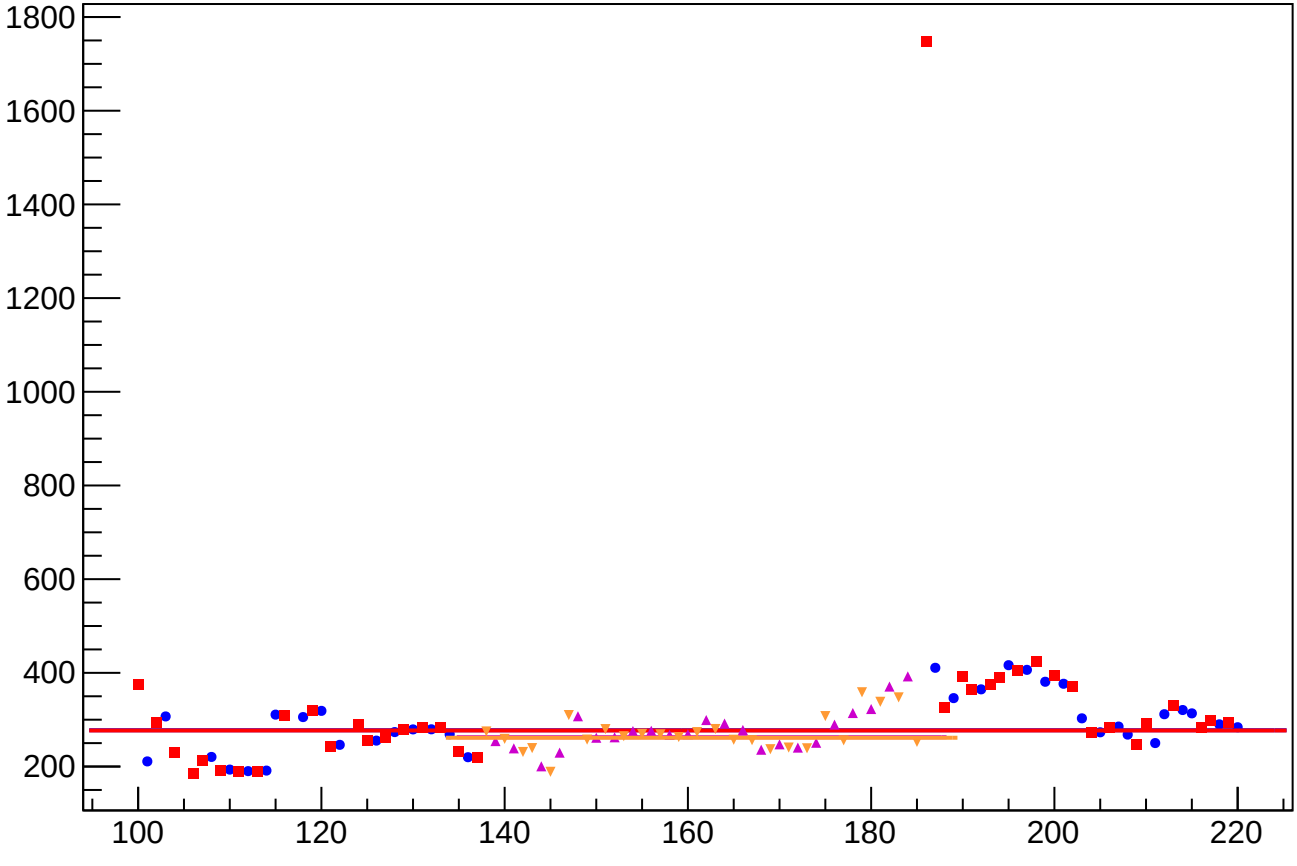
Right: -62.888+/-43.807 χ^2/NDF: 87.5/69

In: 142.821+/-43.864 χ^2/NDF:69.3/55

Out: 137.974+/-43.155 χ^2/NDF:119.3/61

All: 140.358+/-30.763 χ^2/NDF: 188.7/117

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 277.499+/-0.044 χ^2/NDF: 1659741.8/32

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

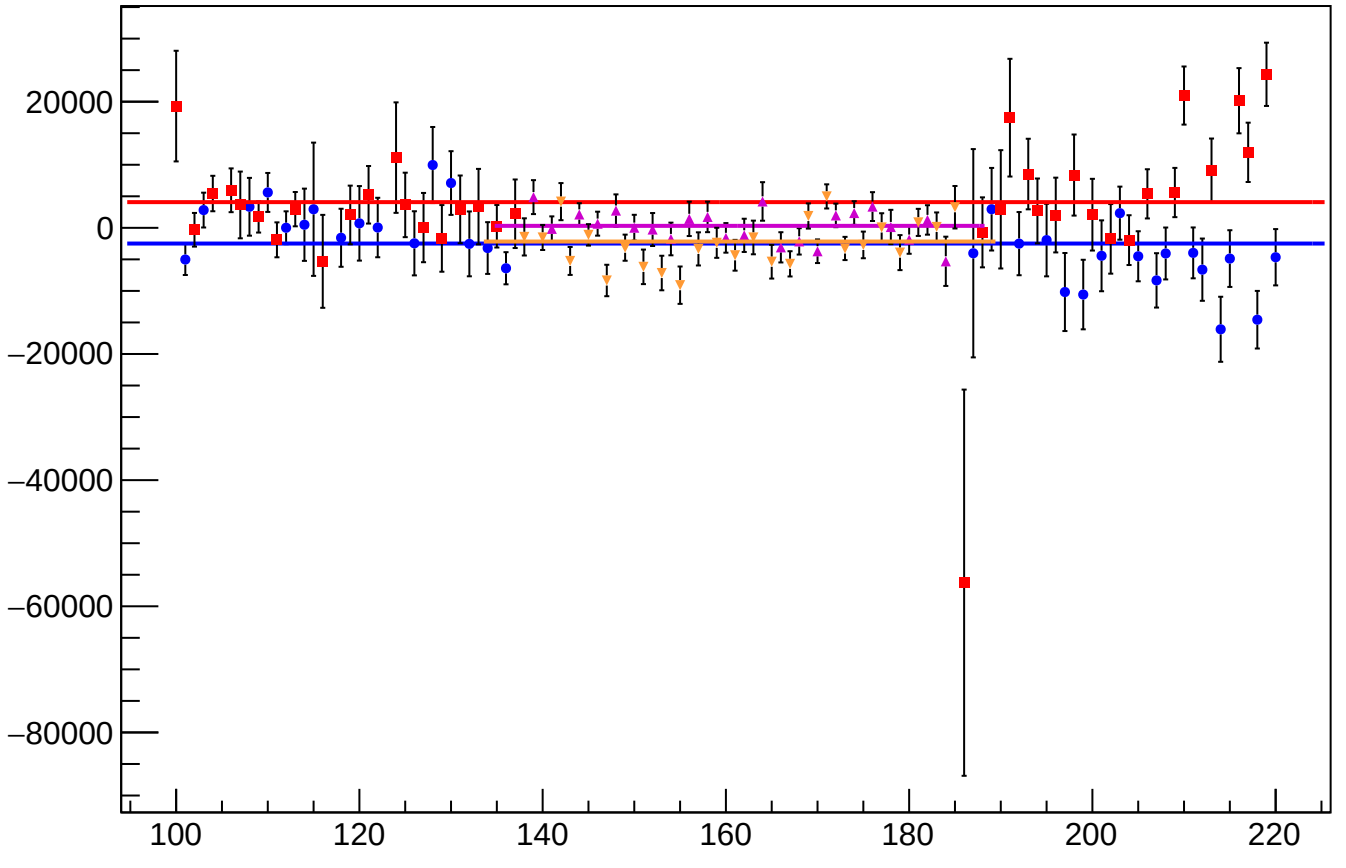
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 277.255+/-0.031 χ^2/NDF: 4282250.4/69

In: 270.076+/-0.031 χ^2/NDF:2387943.9/55

Out: 269.012+/-0.031 χ^2/NDF:3402715.1/61

All: 269.535+/-0.022 χ^2/NDF: 5791257.9/117



Right In: -2490.517+/-740.730 χ^2/NDF: 49.0/32

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 4075.574+/-726.926 χ^2/NDF: 72.7/36

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

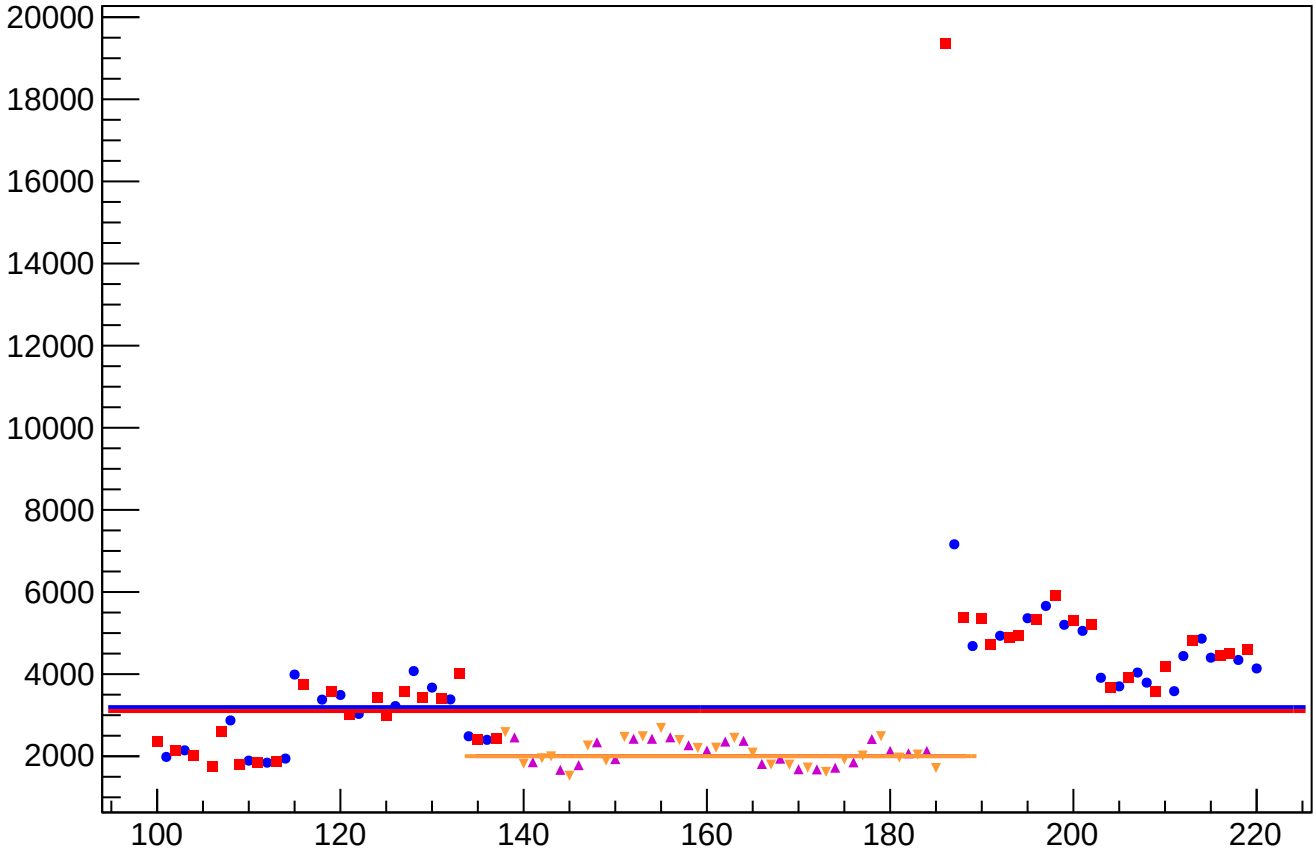
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 854.279+/-518.826 χ^2/NDF: 161.7/69

In: -501.160+/-399.304 χ^2/NDF:82.8/55

Out: -376.307+/-389.704 χ^2/NDF:180.9/61

All: -437.215+/-278.894 χ^2/NDF: 263.7/117



Right In: 3196.544+/-0.524 χ^2/NDF: 4584614.0/32

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3101.166+/-0.514 χ^2/NDF: 6299494.3/36

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

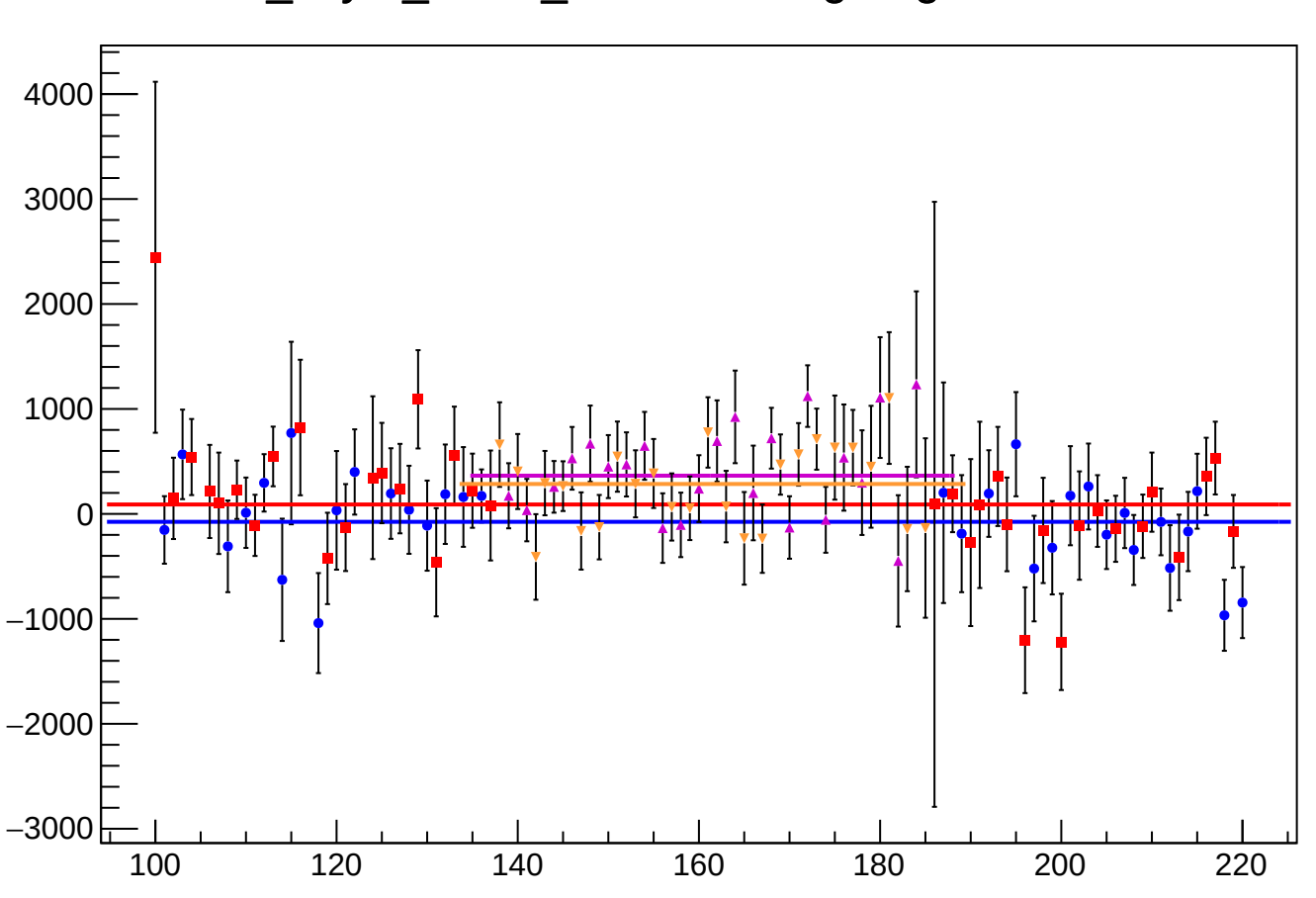
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 3147.958+/-0.367 χ^2/NDF: 10900999.9/69

In: 2350.721+/-0.282 χ^2/NDF:8965533.1/55

Out: 2318.064+/-0.276 χ^2/NDF:10449370.8/61

All: 2333.995+/-0.197 χ^2/NDF: 19421755.2/



Right In: -75.536+/-68.910 χ^2/NDF: 33.5/32

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 89.703+/-68.361 χ^2/NDF: 38.7/36

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

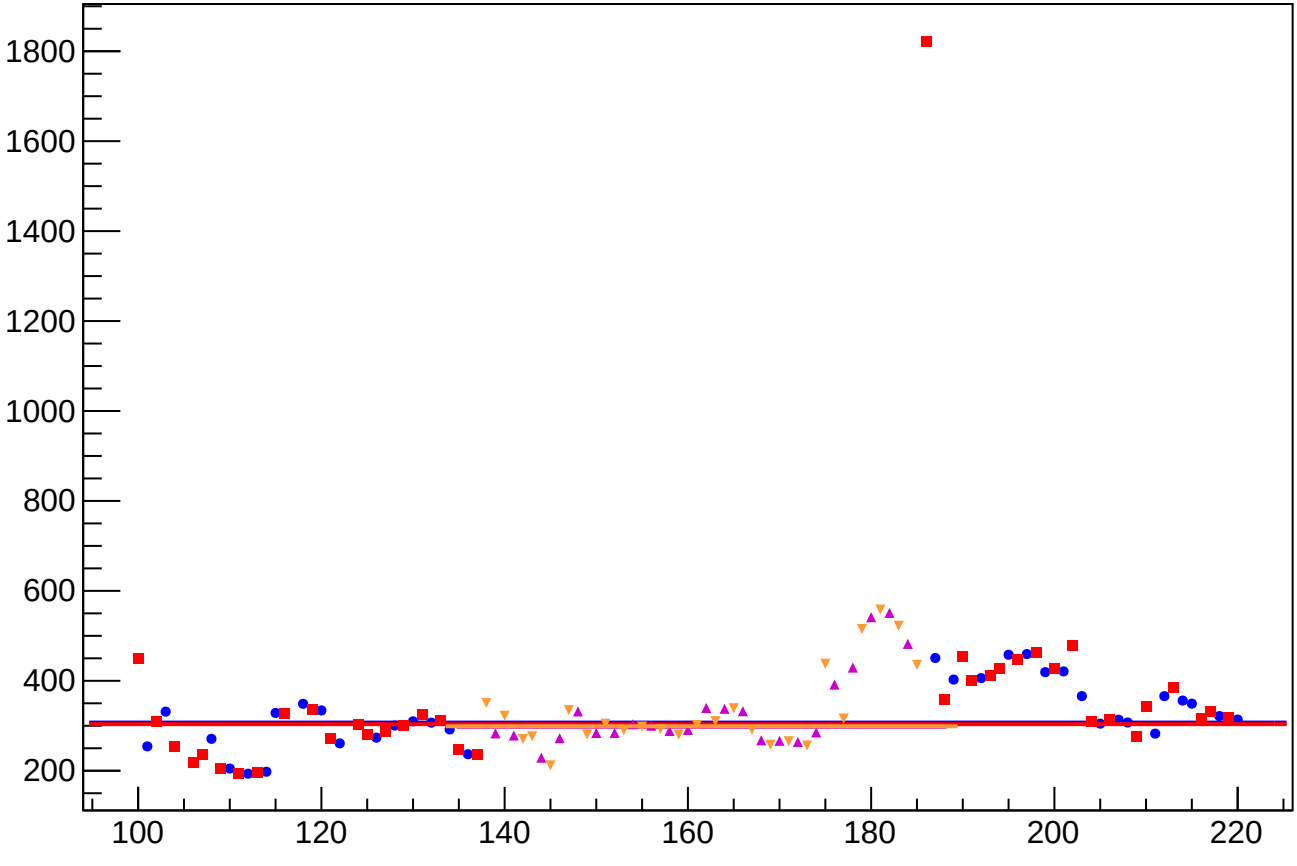
Right: 7.744+/-48.532 χ^2/NDF: 75.1/69

In: 135.551+/-49.688 χ^2/NDF:81.2/55

Out: 184.946+/-48.920 χ^2/NDF:65.5/61

All: 160.633+/-34.860 χ^2/NDF: 147.2/117

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 307.071+/-0.049 χ^2/NDF: 1877139.3/32

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 303.589+/-0.048 χ^2/NDF: 2955513.3/36

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

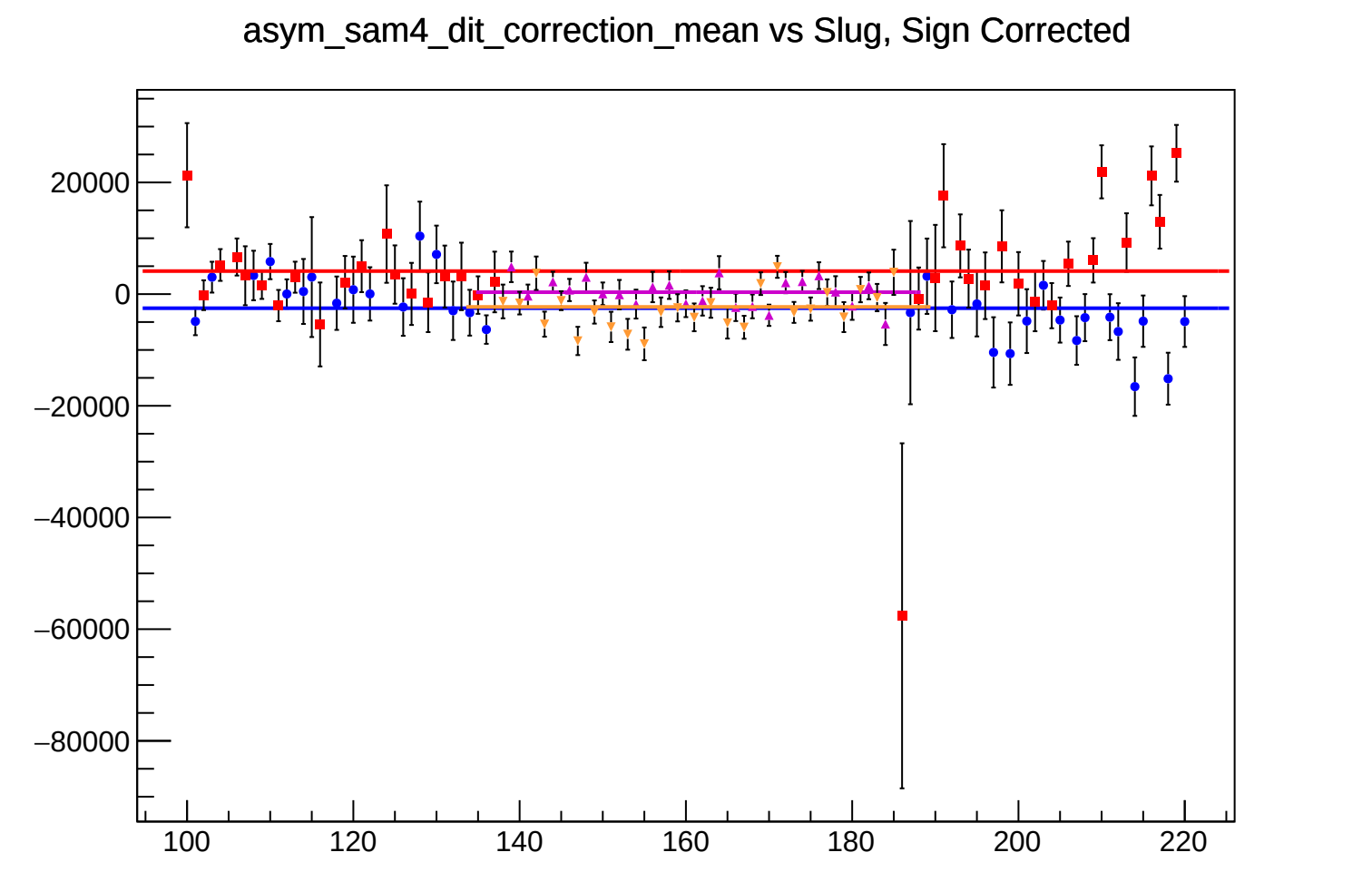
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 305.316+/-0.034 χ^2/NDF: 4835226.5/69

In: 302.661+/-0.035 χ^2/NDF:3213261.3/55

Out: 301.320+/-0.035 χ^2/NDF:4573106.7/61

All: 301.980+/-0.025 χ^2/NDF: 7787108.3/117



Right In: -2524.645+/-750.031 χ^2/NDF: 49.6/32

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 4121.180+/-733.093 χ^2/NDF: 76.9/36

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

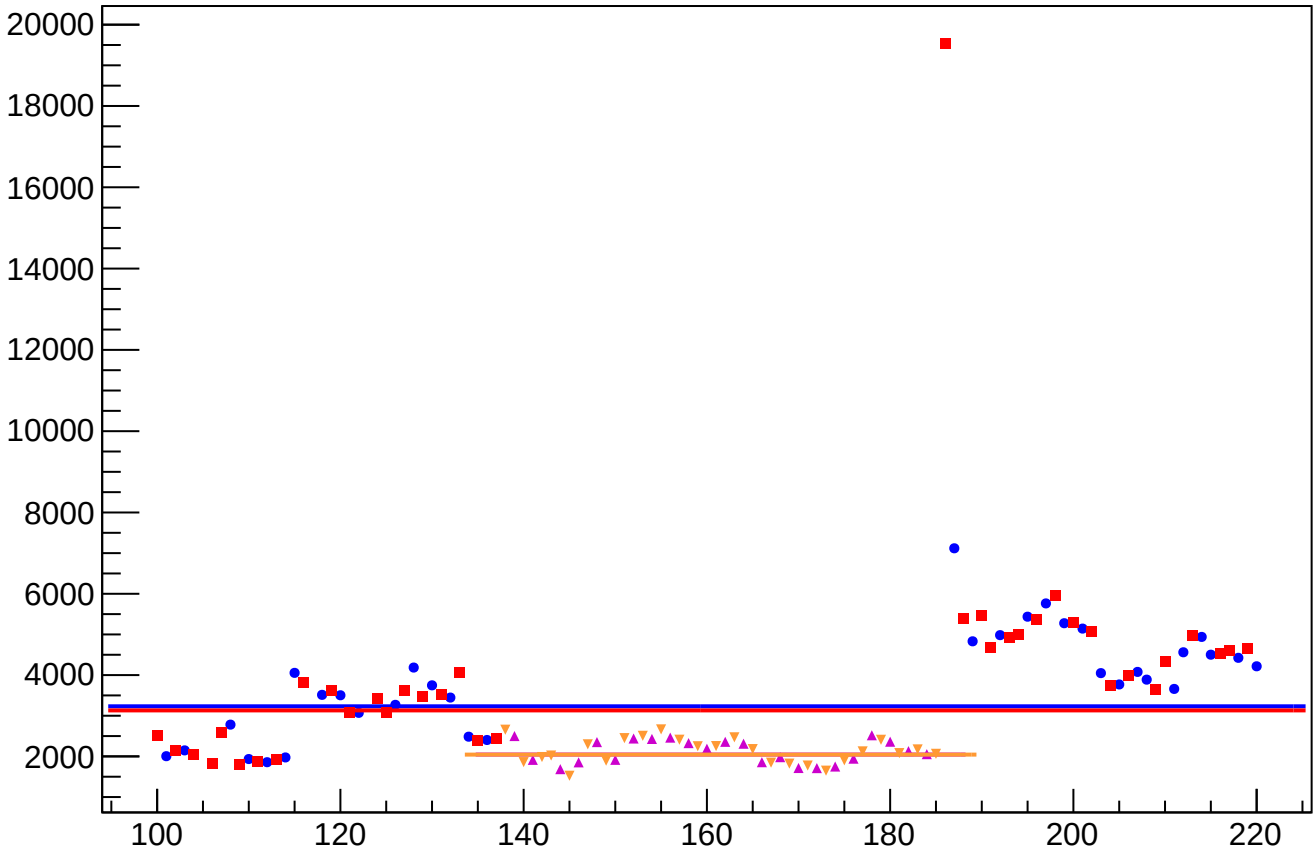
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

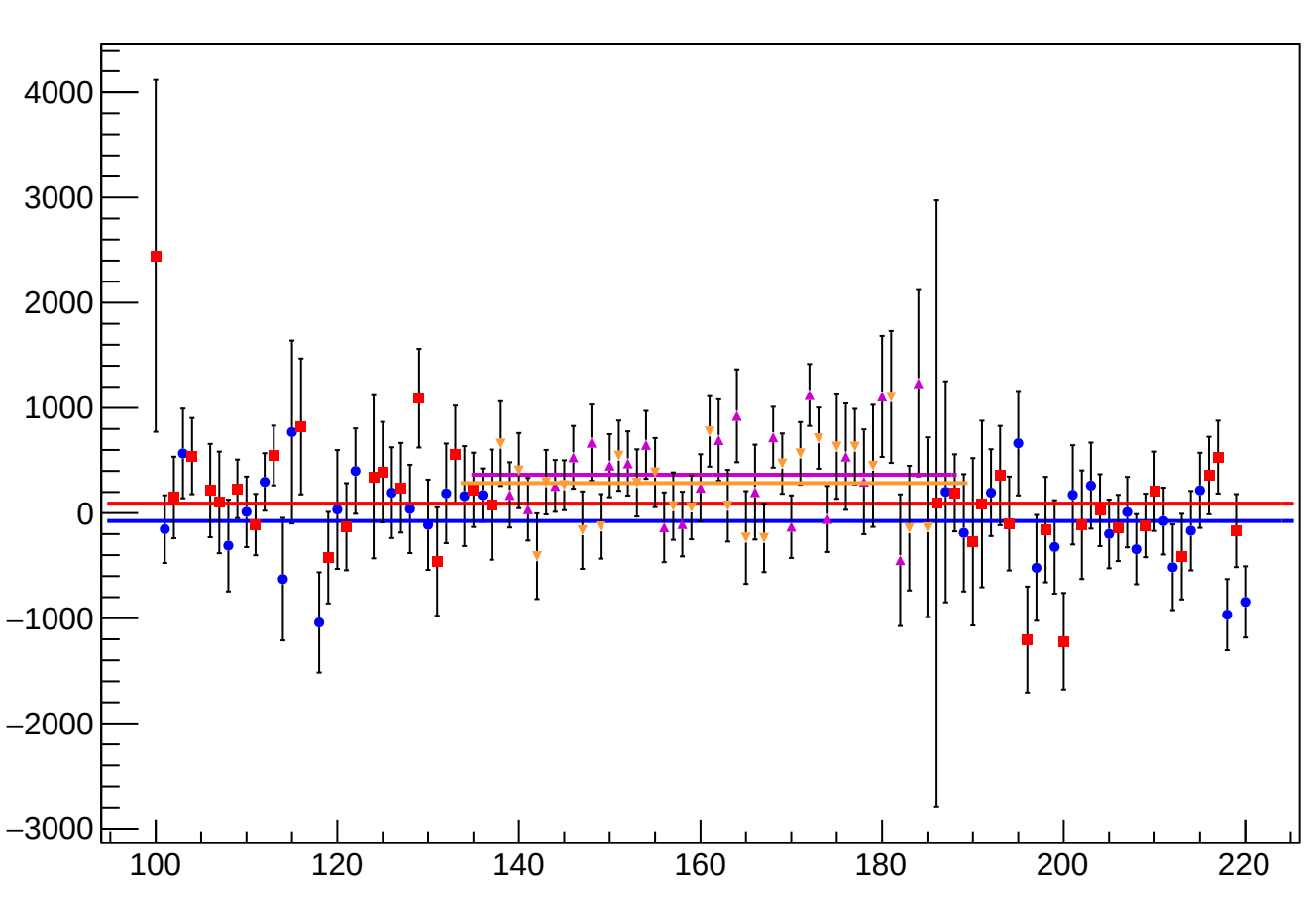
Right: 874.155+/-524.261 χ^2/NDF: 166.6/69

In: -499.379+/-406.442 χ^2/NDF:82.8/55

Out: -420.212+/-395.975 χ^2/NDF:182.7/61

All: -458.763+/-283.625 χ^2/NDF: 265.5/117


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 3232.062+/-0.530 χ²/NDF: 4717707.2/32
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 3131.322+/-0.518 χ²/NDF: 6323659.8/36
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 3180.542+/-0.371 χ²/NDF: 11059819.5/69
In: 2393.714+/-0.287 χ²/NDF:8945492.1/55
Out: 2361.051+/-0.280 χ²/NDF:10294614.0/61
All: 2376.957+/-0.201 χ²/NDF: 19246733.1/1



Right In: -75.530+/-68.910 χ^2/NDF: 33.5/32

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 89.696+/-68.361 χ^2/NDF: 38.7/36

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

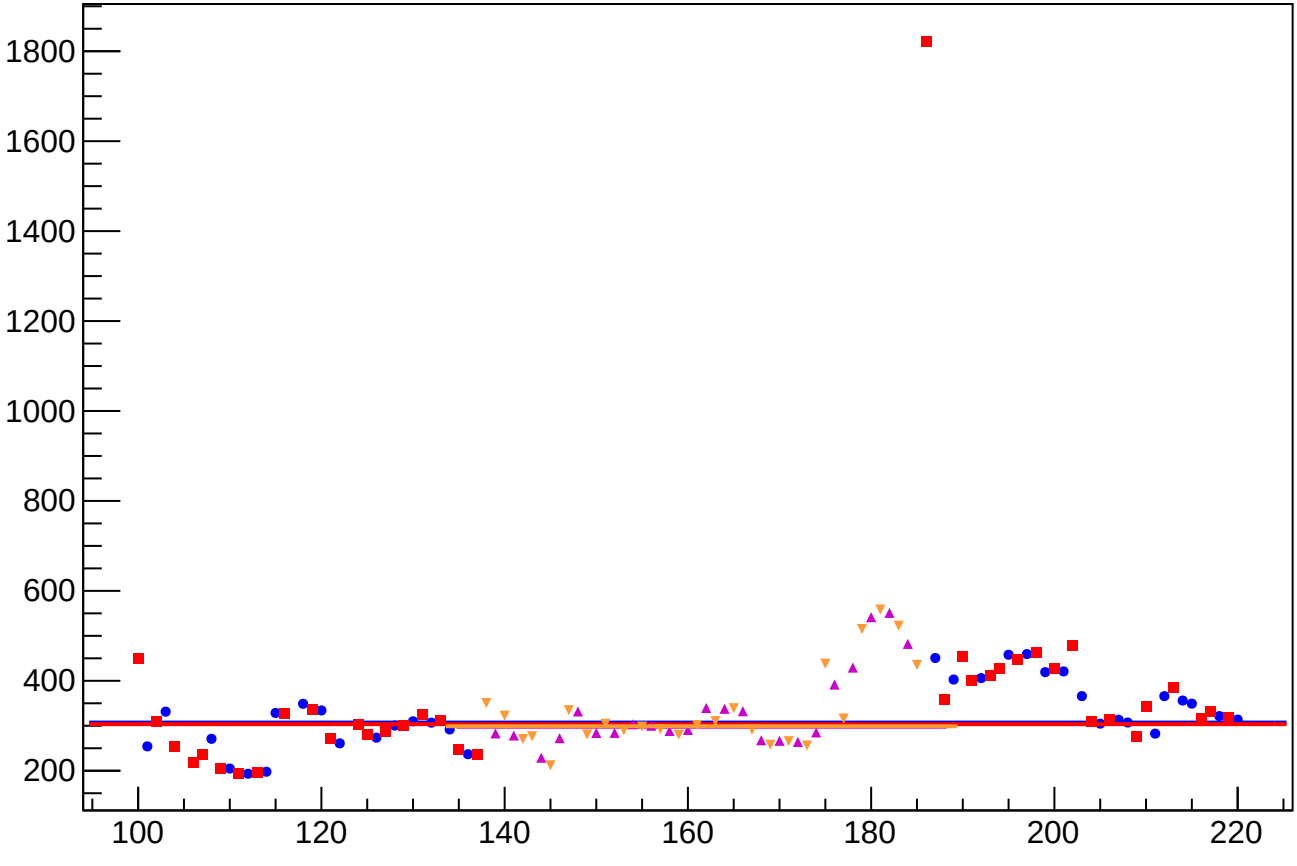
Right: 7.744+/-48.532 χ^2/NDF: 75.1/69

In: 135.554+/-49.688 χ^2/NDF:81.2/55

Out: 184.944+/-48.920 χ^2/NDF:65.5/61

All: 160.634+/-34.860 χ^2/NDF: 147.2/117

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 307.071+/-0.049 χ^2/NDF: 1877118.5/32

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 303.588+/-0.048 χ^2/NDF: 2955514.0/36

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

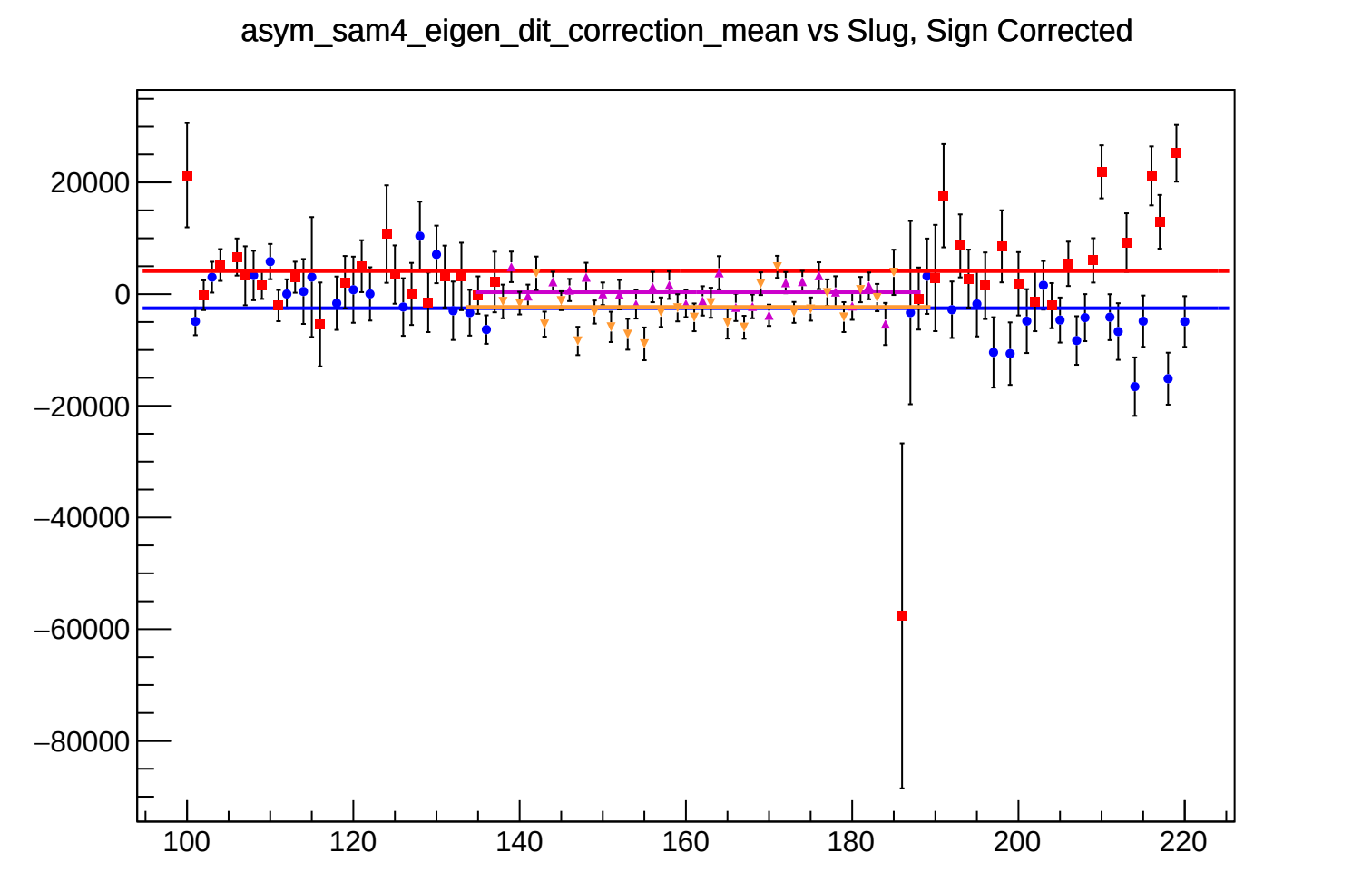
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 305.316+/-0.034 χ^2/NDF: 4835206.3/69

In: 302.661+/-0.035 χ^2/NDF:3213220.4/55

Out: 301.320+/-0.035 χ^2/NDF:4573103.9/61

All: 301.980+/-0.025 χ^2/NDF: 7787064.5/117



Right In: -2524.642+/-750.030 χ^2/NDF: 49.6/32

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 4121.175+/-733.092 χ^2/NDF: 76.9/36

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

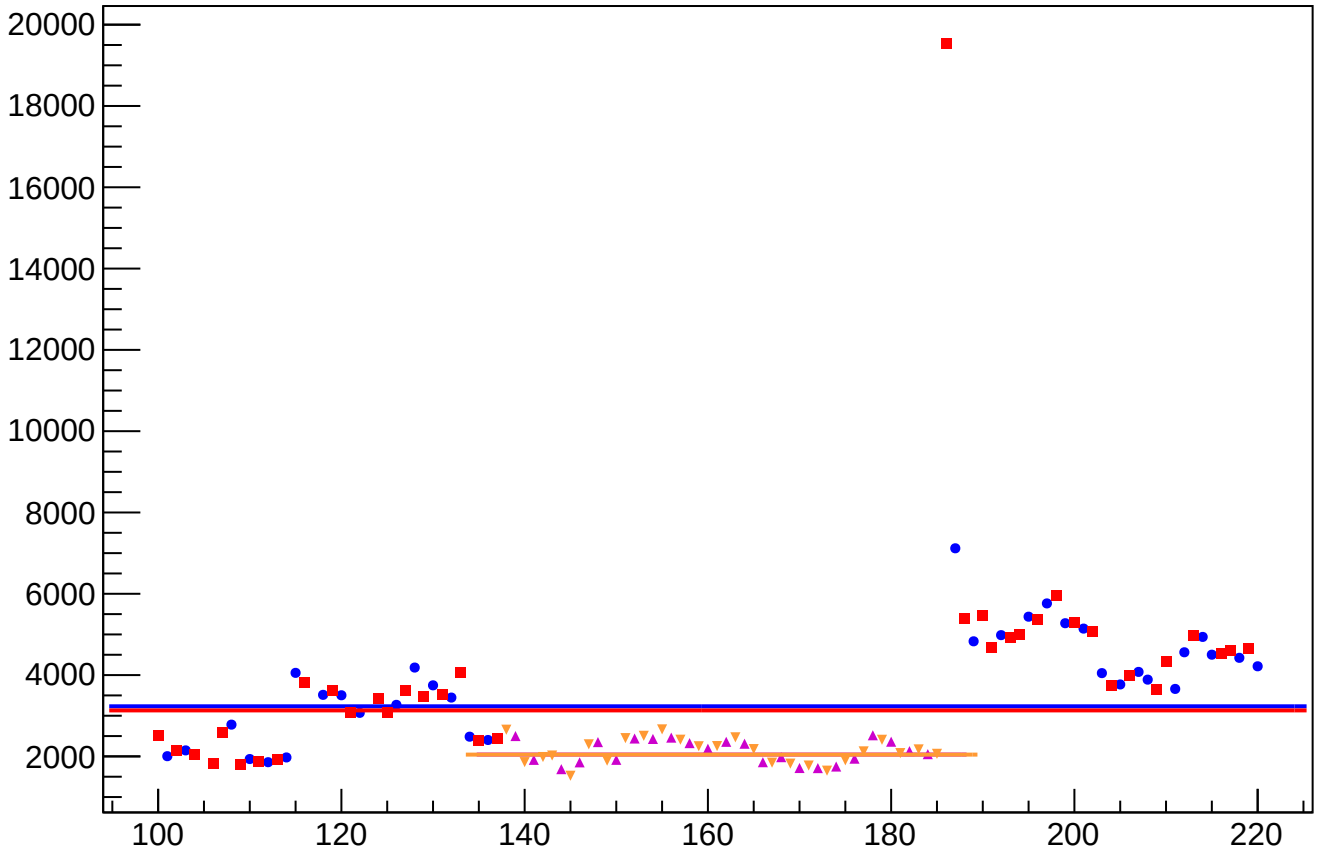
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 874.153+/-524.260 χ^2/NDF: 166.6/69

In: -499.379+/-406.442 χ^2/NDF:82.8/55

Out: -420.212+/-395.974 χ^2/NDF:182.7/61

All: -458.763+/-283.625 χ^2/NDF: 265.5/117



Right In: 3232.060+/-0.530 χ^2/NDF: 4717702.6/32

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 3131.319+/-0.518 χ^2/NDF: 6323654.8/36

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

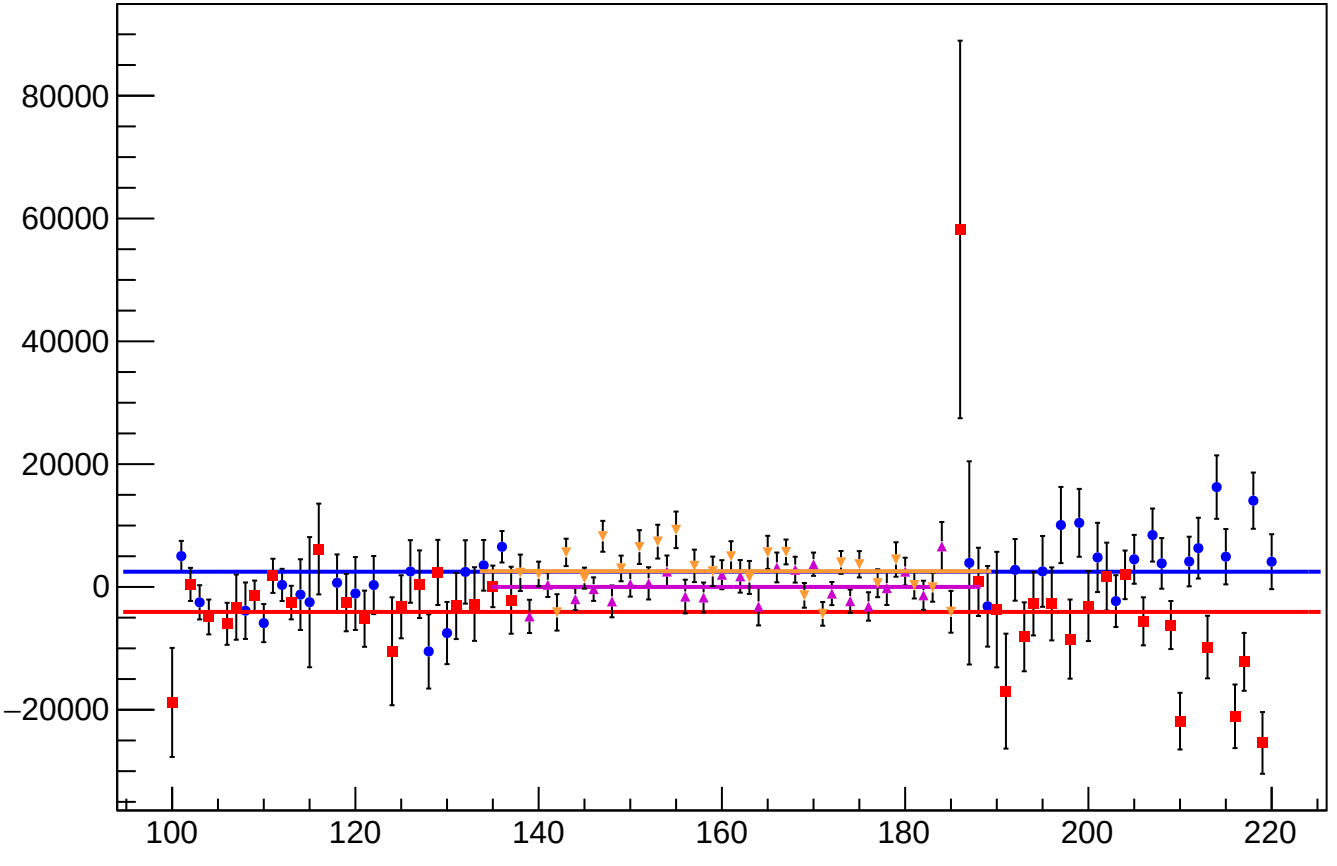
Right: 3180.539+/-0.371 χ^2/NDF: 11059809.8/69

In: 2393.711+/-0.287 χ^2/NDF:8945495.8/55

Out: 2361.048+/-0.280 χ^2/NDF:10294622.1/61

All: 2376.953+/-0.201 χ^2/NDF: 19246745.0/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 2480.479+/-744.018 χ^2/NDF: 49.3/32

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -4066.026+/-729.621 χ^2/NDF: 78.0/36

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

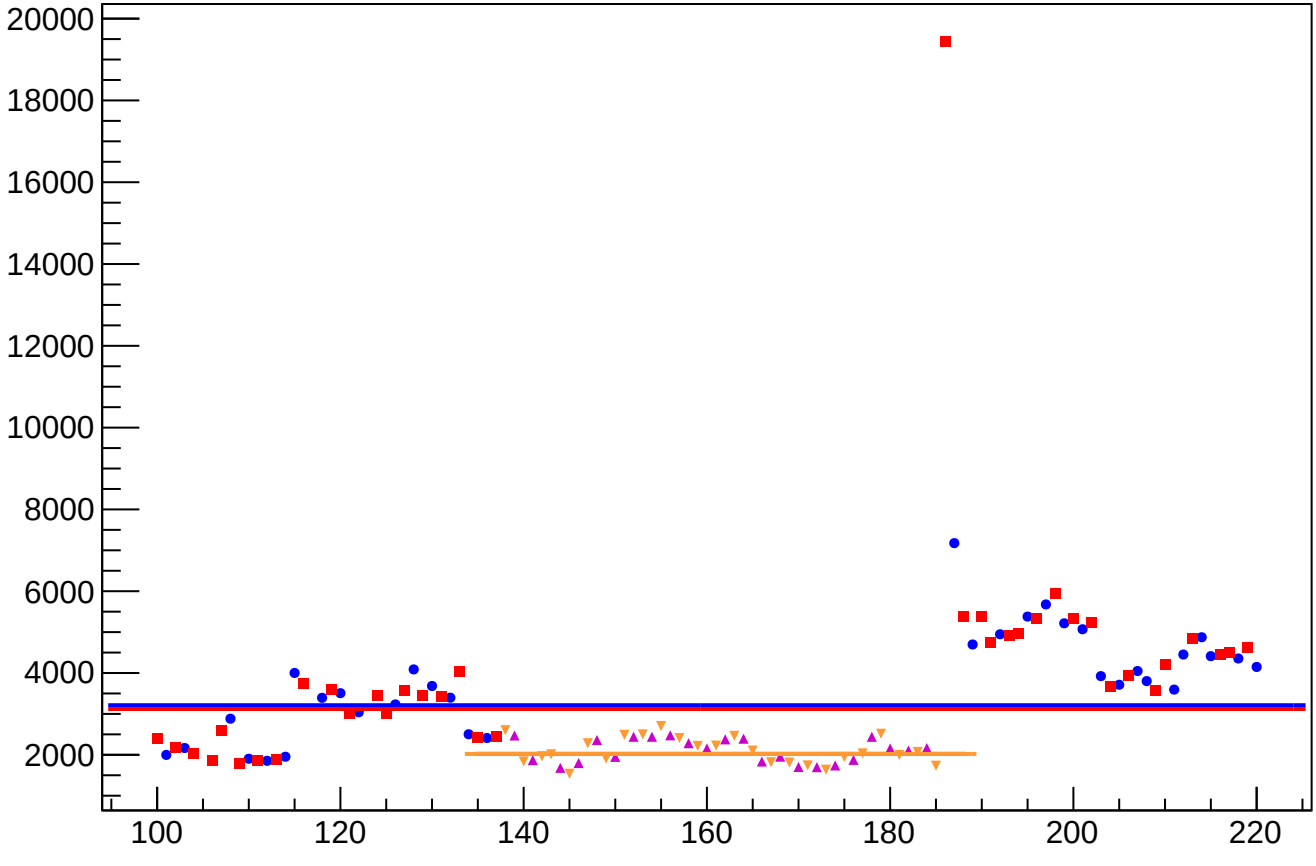
Right: -856.725+/-520.936 χ^2/NDF: 166.7/69

In: 728.261+/-402.462 χ^2/NDF:81.8/55

Out: 639.870+/-392.699 χ^2/NDF:189.2/61

All: 682.980+/-281.068 χ^2/NDF: 271.0/117

asym_sam4_rms vs Slug, Sign Corrected



Right In: 3212.550+/-0.526 χ^2/NDF: 4543535.1/32

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 3120.108+/-0.516 χ^2/NDF: 6215771.5/36

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

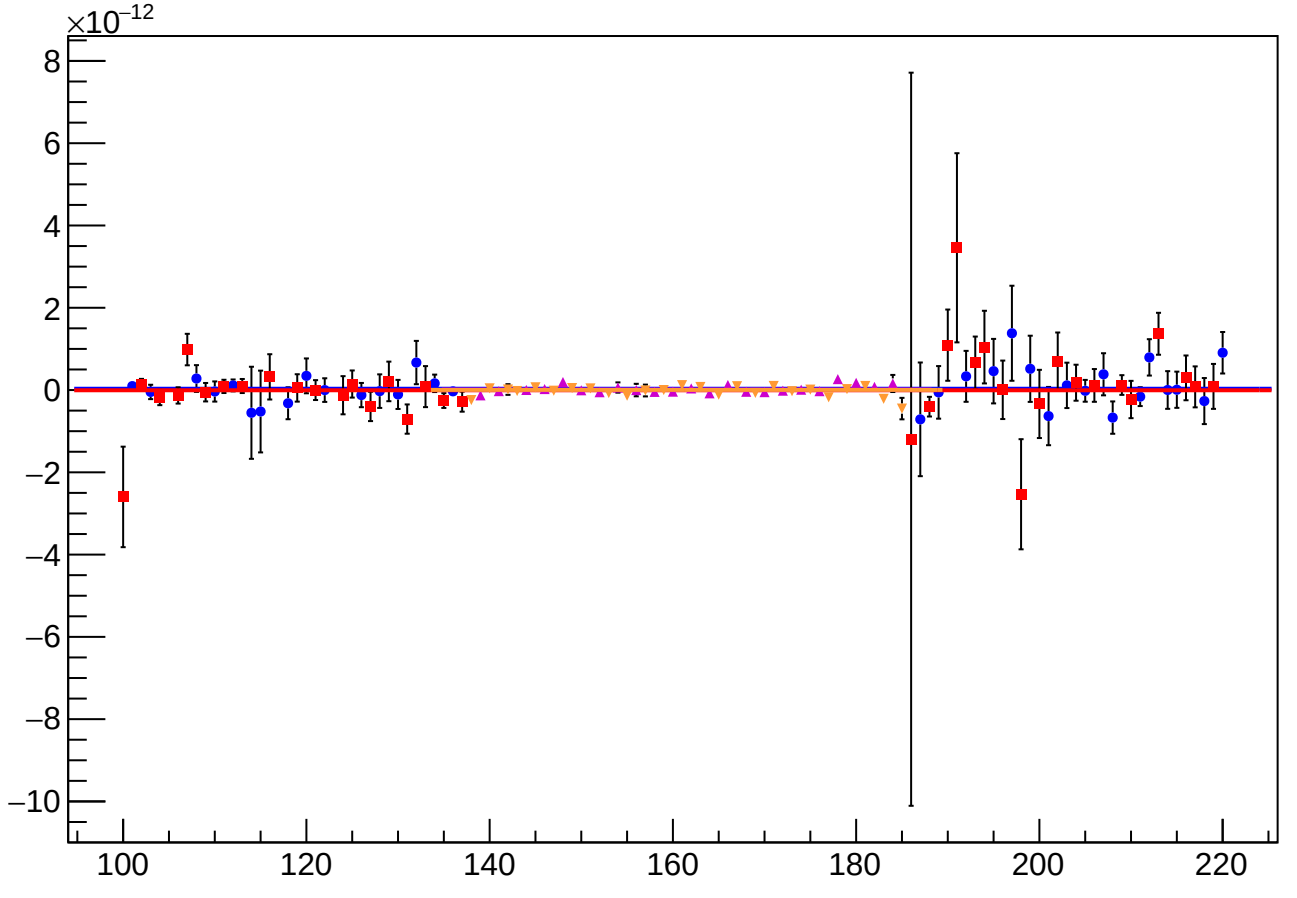
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3165.426+/-0.368 χ^2/NDF: 10775045.4/69

In: 2371.270+/-0.285 χ^2/NDF:8854375.6/55

Out: 2339.583+/-0.278 χ^2/NDF:10319377.9/61

All: 2355.037+/-0.199 χ^2/NDF: 19180104.5/



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

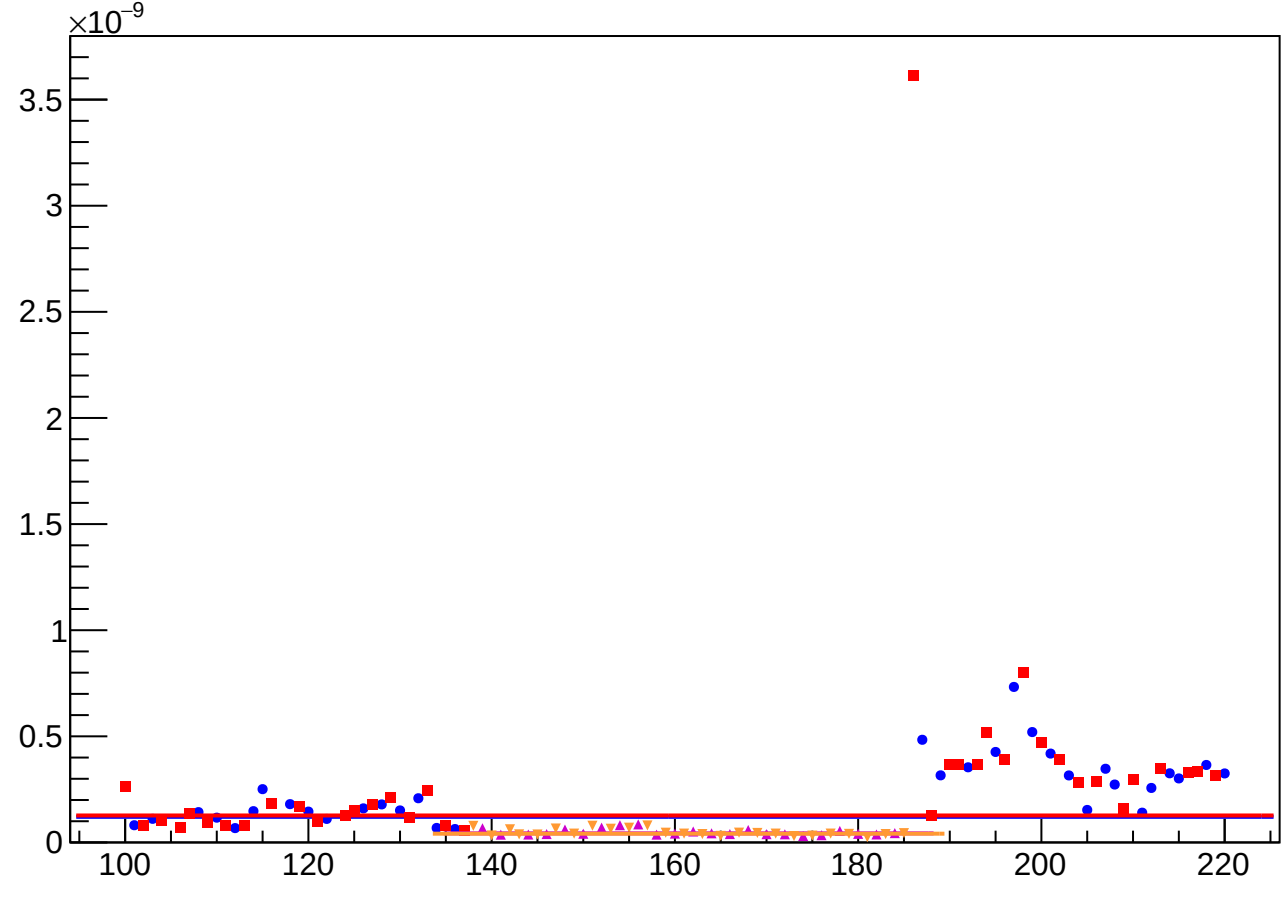
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 66.3/69

In: 0.000+/-0.000 χ^2/NDF:41.3/55

Out: 0.000+/-0.000 χ^2/NDF:77.8/61

All: 0.000+/-0.000 χ^2/NDF: 119.3/117



Right In: 0.000+/-0.000 χ^2/NDF: 6536793.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6155754.5/36

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

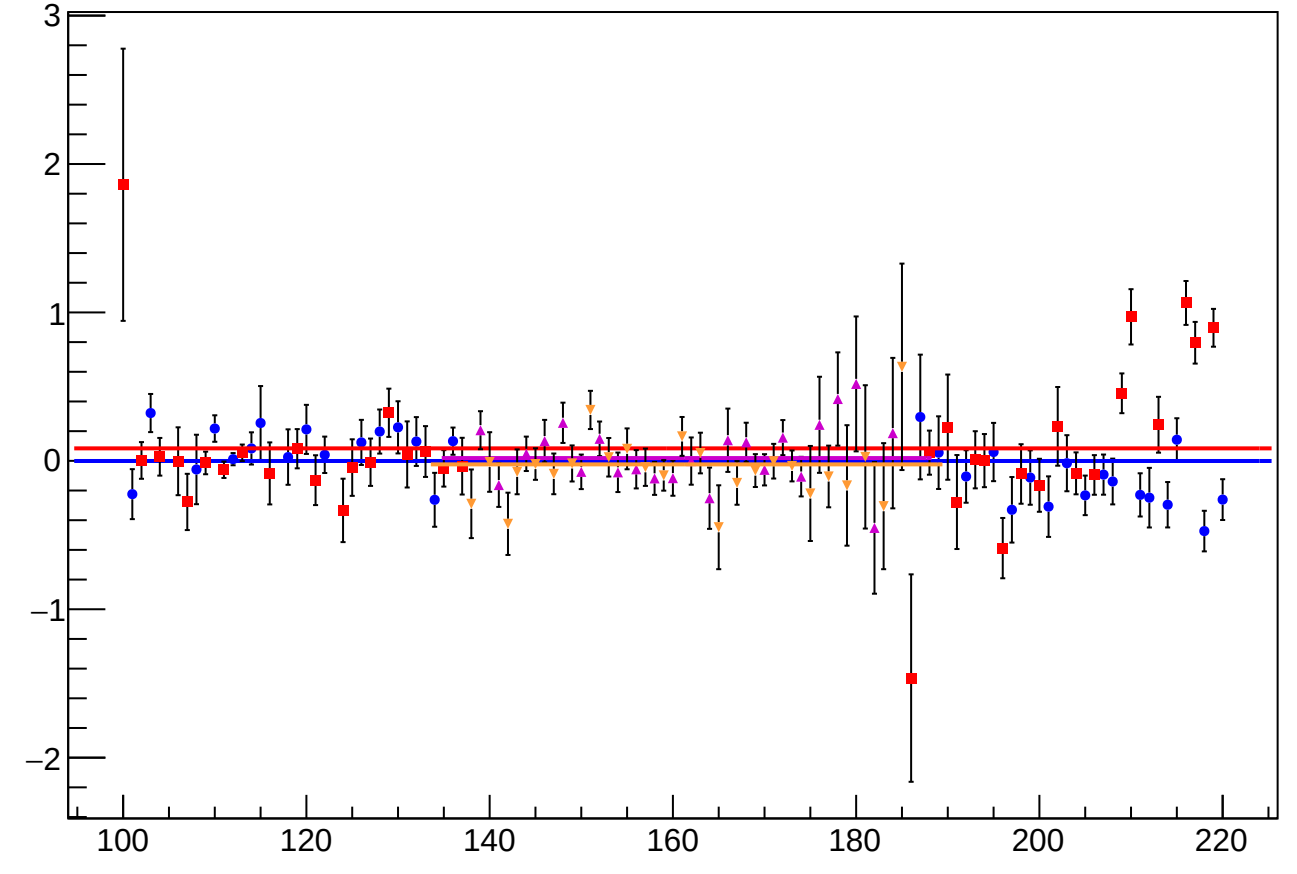
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 12709611.9/69

In: 0.000+/-0.000 χ^2/NDF:12220877.4/55

Out: 0.000+/-0.000 χ^2/NDF:12707446.4/61

All: 0.000+/-0.000 χ^2/NDF: 24957515.2/117



Right In: -0.001+/-0.023 χ^2/NDF: 61.0/32

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.084+/-0.022 χ^2/NDF: 192.9/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

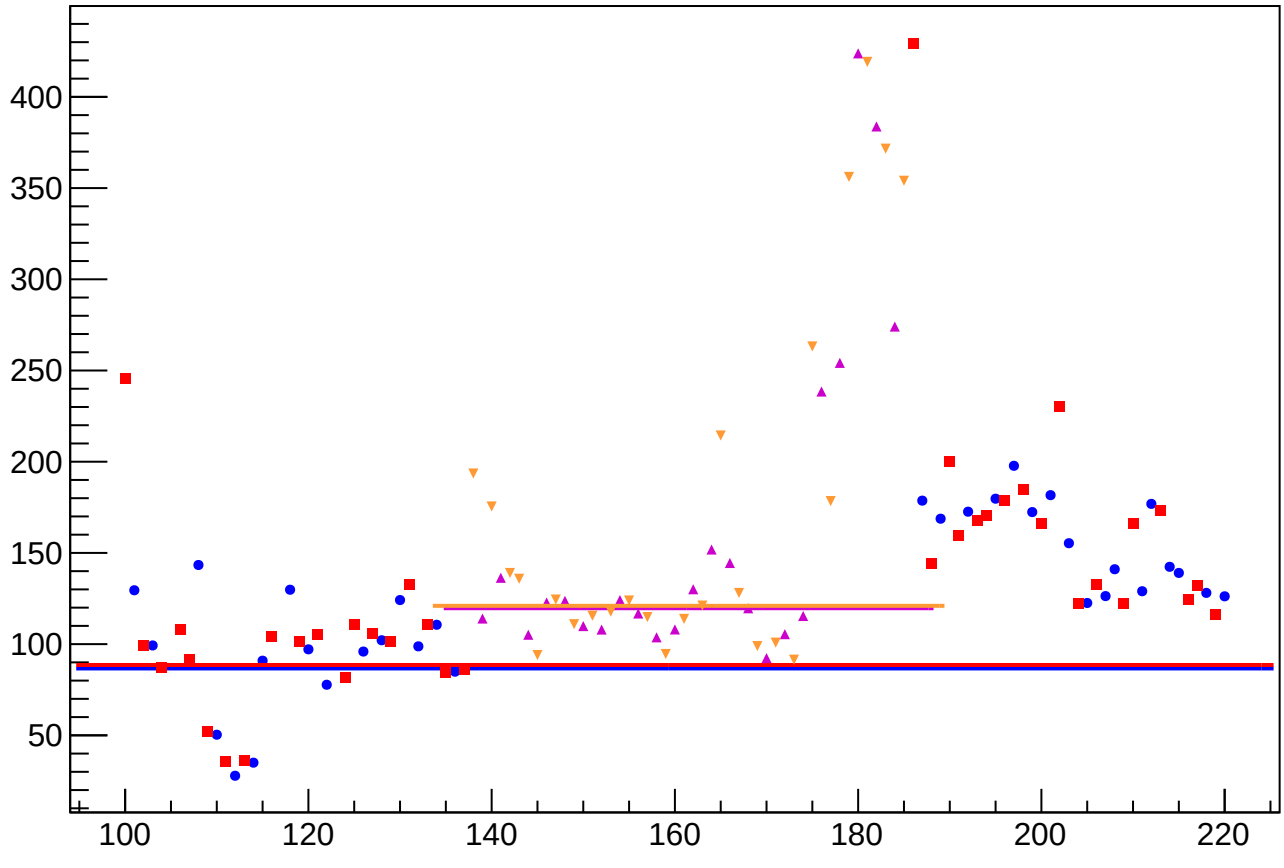
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.042+/-0.016 χ^2/NDF: 261.0/69

In: 0.006+/-0.018 χ^2/NDF:84.3/55

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.026+/-0.013 χ^2/NDF: 310.0/117



Right In: 86.664+/-0.016 χ^2/NDF: 10328416.4/32

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

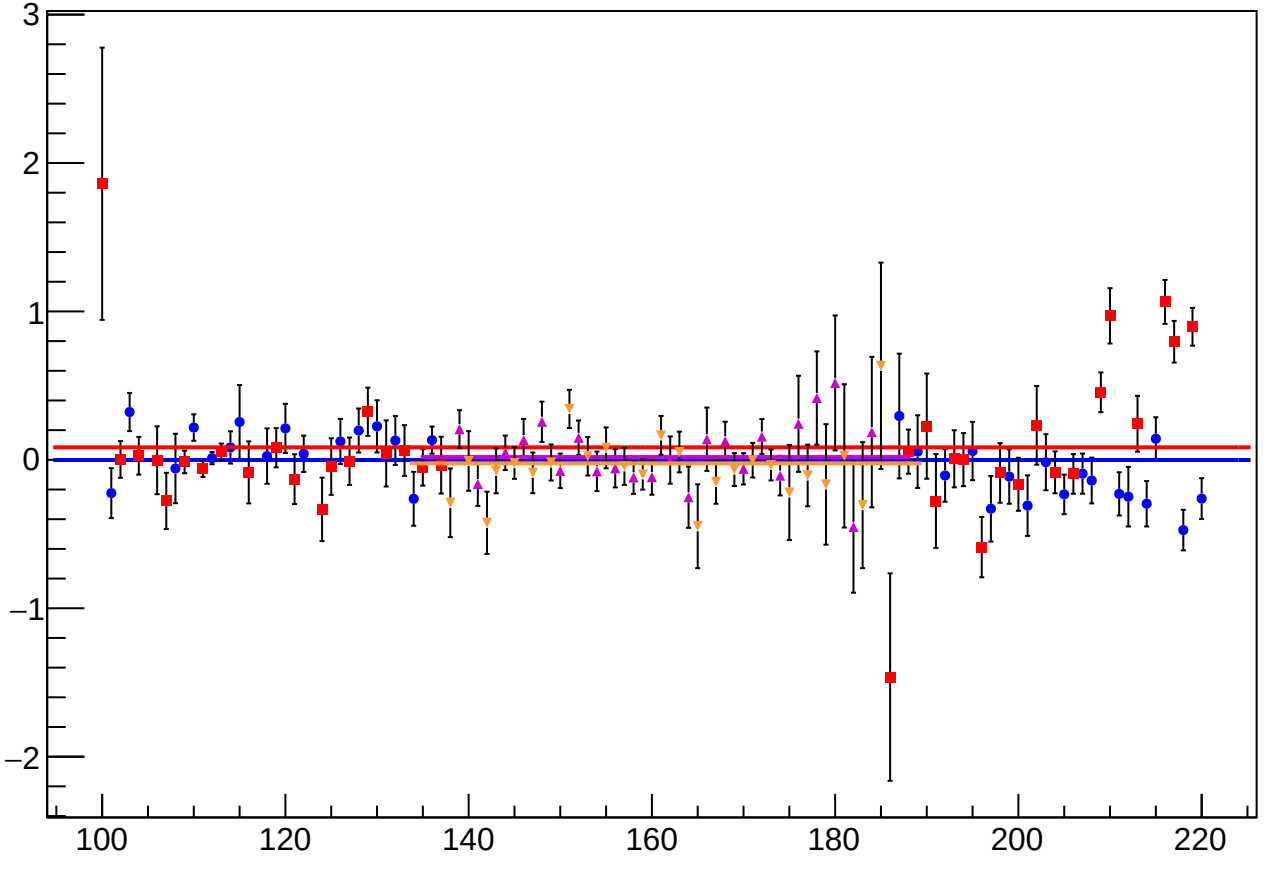
Right: 87.617+/-0.011 χ^2/NDF: 19956884.5/69

In: 98.437+/-0.013 χ^2/NDF:14701991.8/55

Out: 100.257+/-0.013 χ^2/NDF:15221245.2/61

All: 99.352+/-0.009 χ^2/NDF: 29933458.9/117

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.023 χ^2/NDF: 61.0/32

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.084+/-0.022 χ^2/NDF: 192.9/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

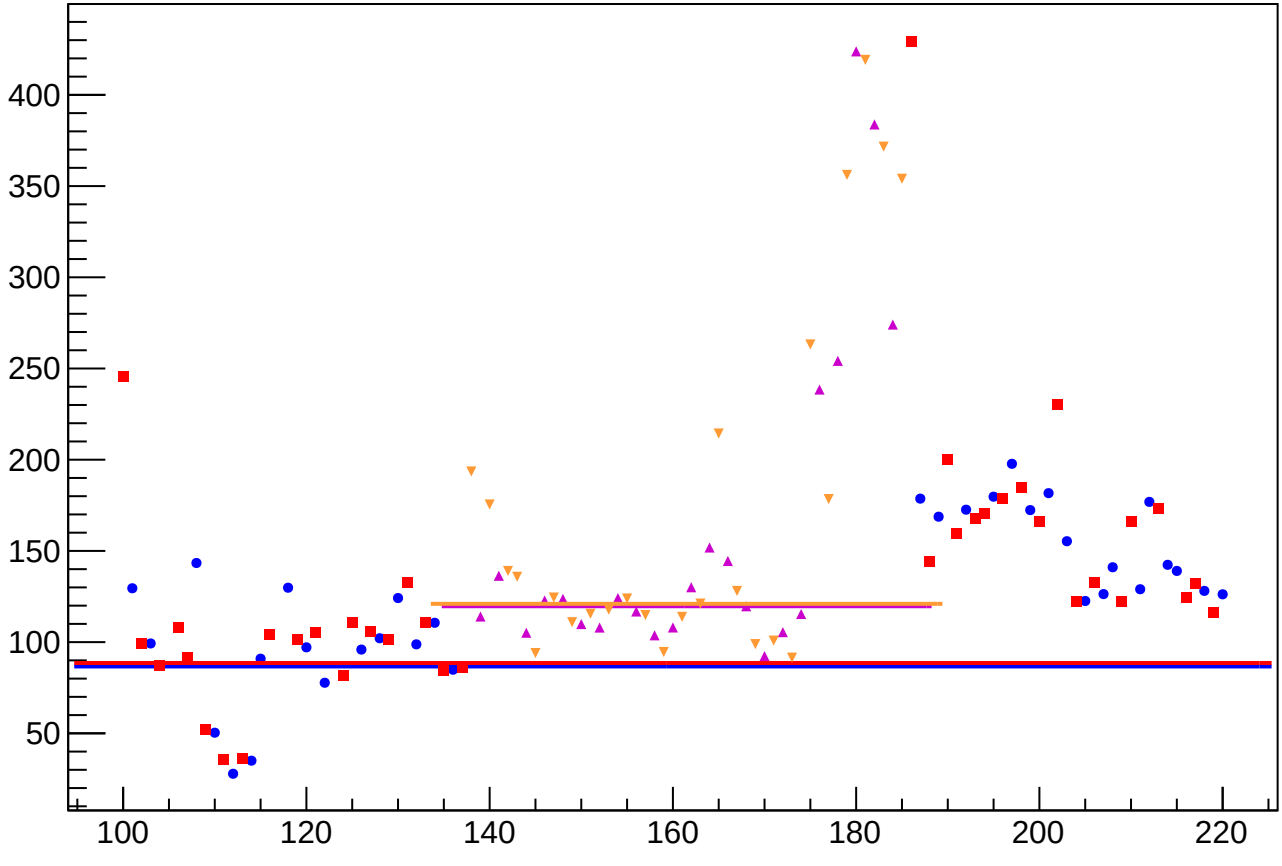
Right: 0.042+/-0.016 χ^2/NDF: 261.0/69

In: 0.006+/-0.018 χ^2/NDF:84.3/55

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.026+/-0.013 χ^2/NDF: 310.0/117

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.664+/-0.016 χ^2/NDF: 10328416.4/32

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

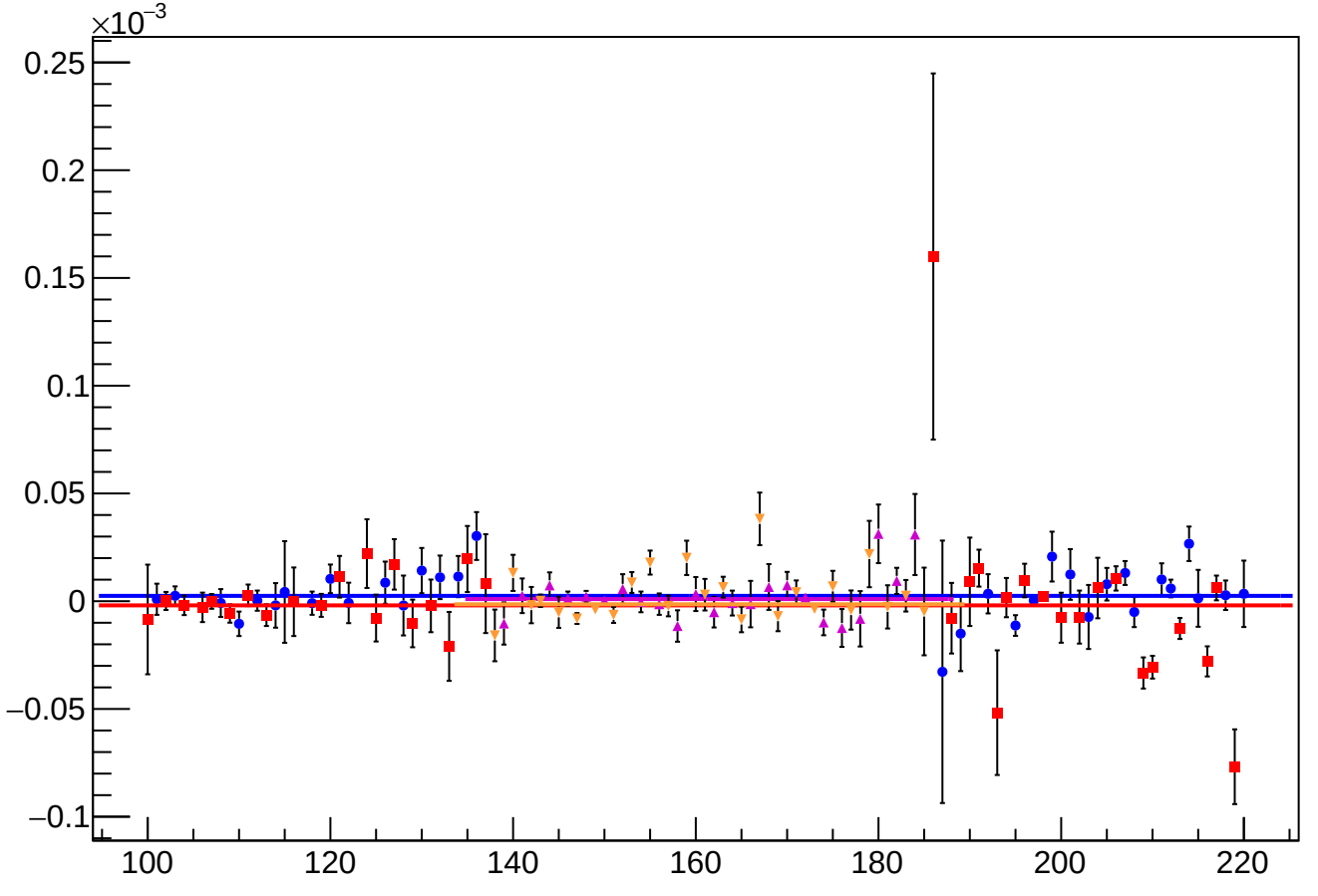
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 87.617+/-0.011 χ^2/NDF: 19956884.5/69

In: 98.437+/-0.013 χ^2/NDF:14701991.8/55

Out: 100.257+/-0.013 χ^2/NDF:15221245.2/61

All: 99.352+/-0.009 χ^2/NDF: 29933458.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 127.2/36

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

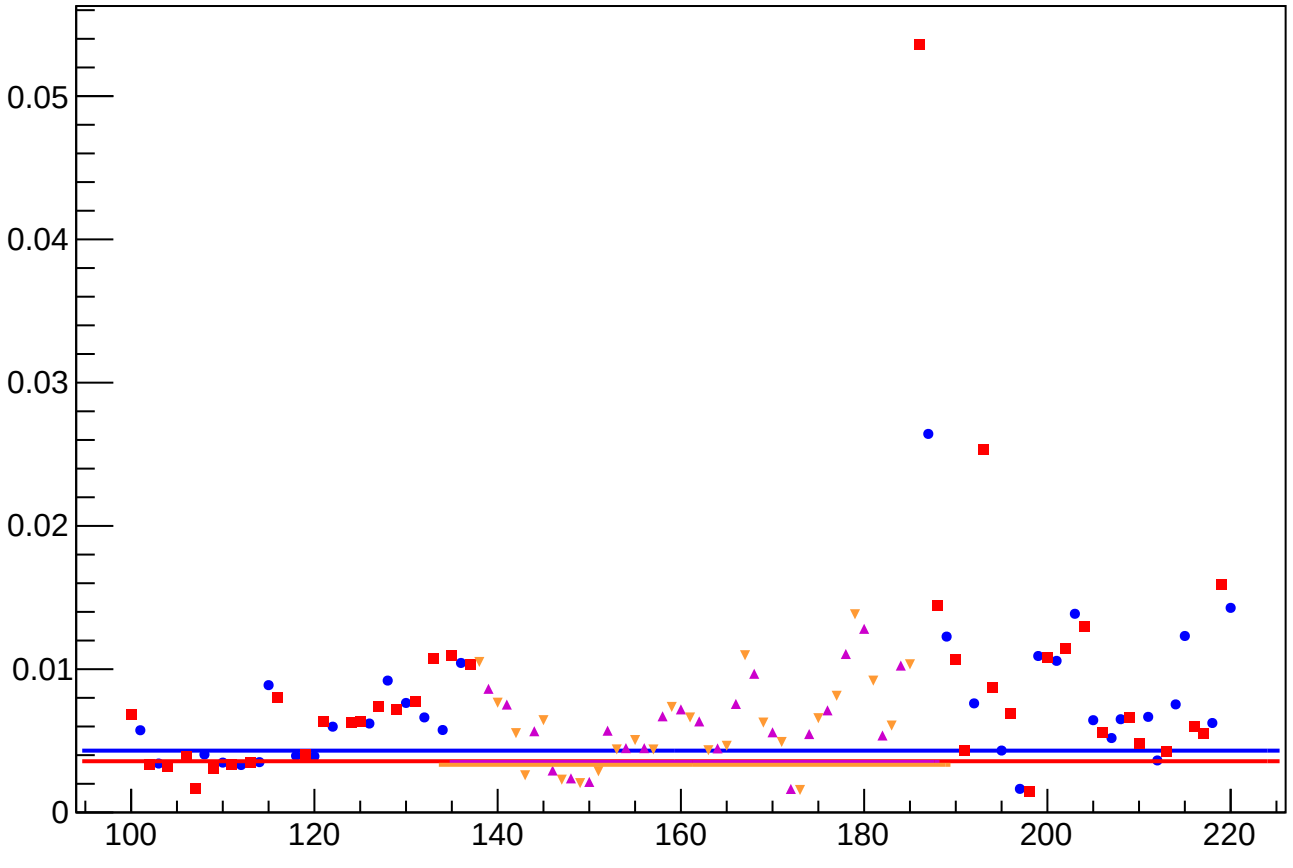
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: -0.000+/-0.000 χ^2/NDF: 183.8/69

In: 0.000+/-0.000 χ^2/NDF:73.2/55

Out: -0.000+/-0.000 χ^2/NDF:187.8/61

All: -0.000+/-0.000 χ^2/NDF: 272.1/117



Right In: 0.004+/-0.000 χ^2/NDF: 10468573.4/32

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 14817881.3/36

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

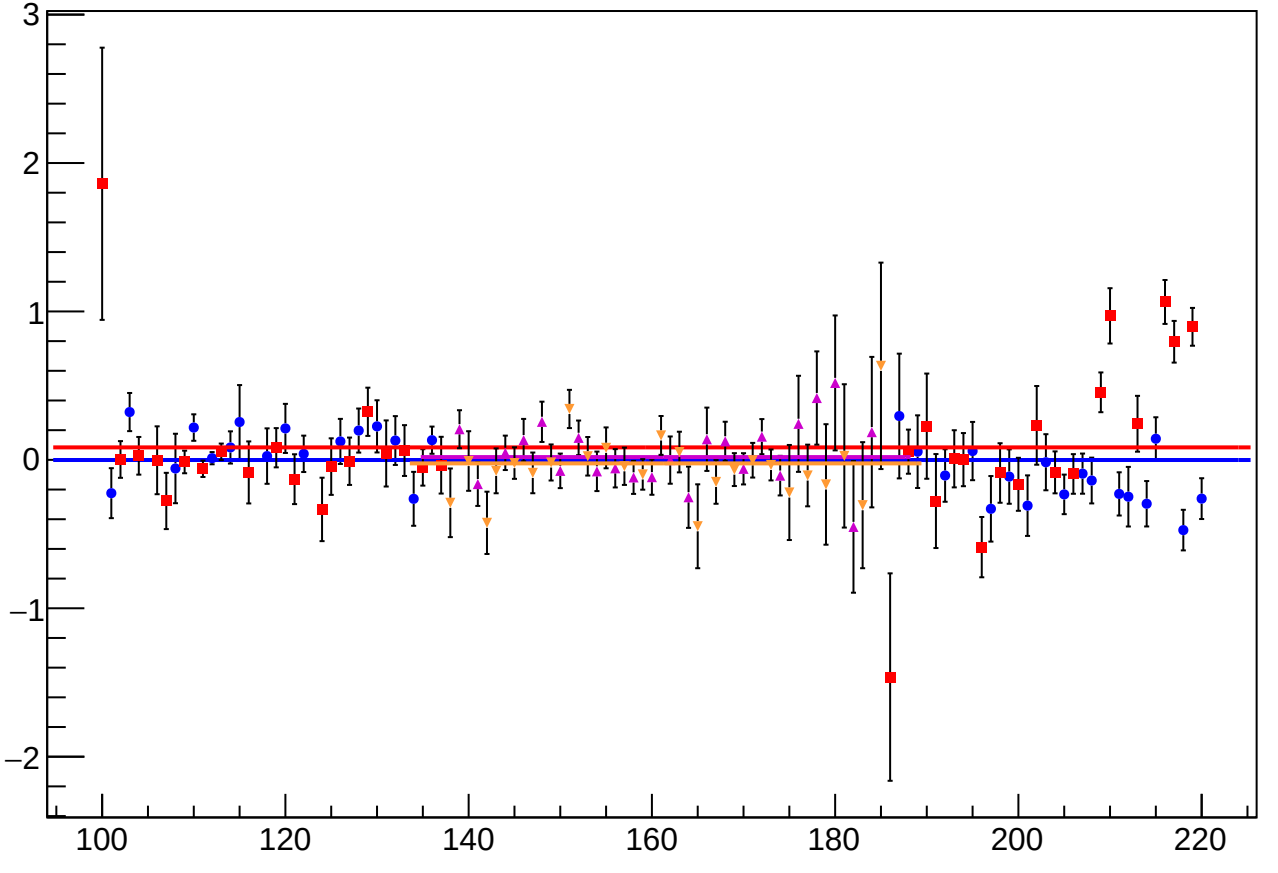
Right: 0.004+/-0.000 χ^2/NDF: 25777697.6/69

In: 0.004+/-0.000 χ^2/NDF:20454580.4/55

Out: 0.003+/-0.000 χ^2/NDF:25374082.6/61

All: 0.004+/-0.000 χ^2/NDF: 46193914.3/117

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.023 χ^2/NDF: 61.0/32

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.084+/-0.022 χ^2/NDF: 192.8/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

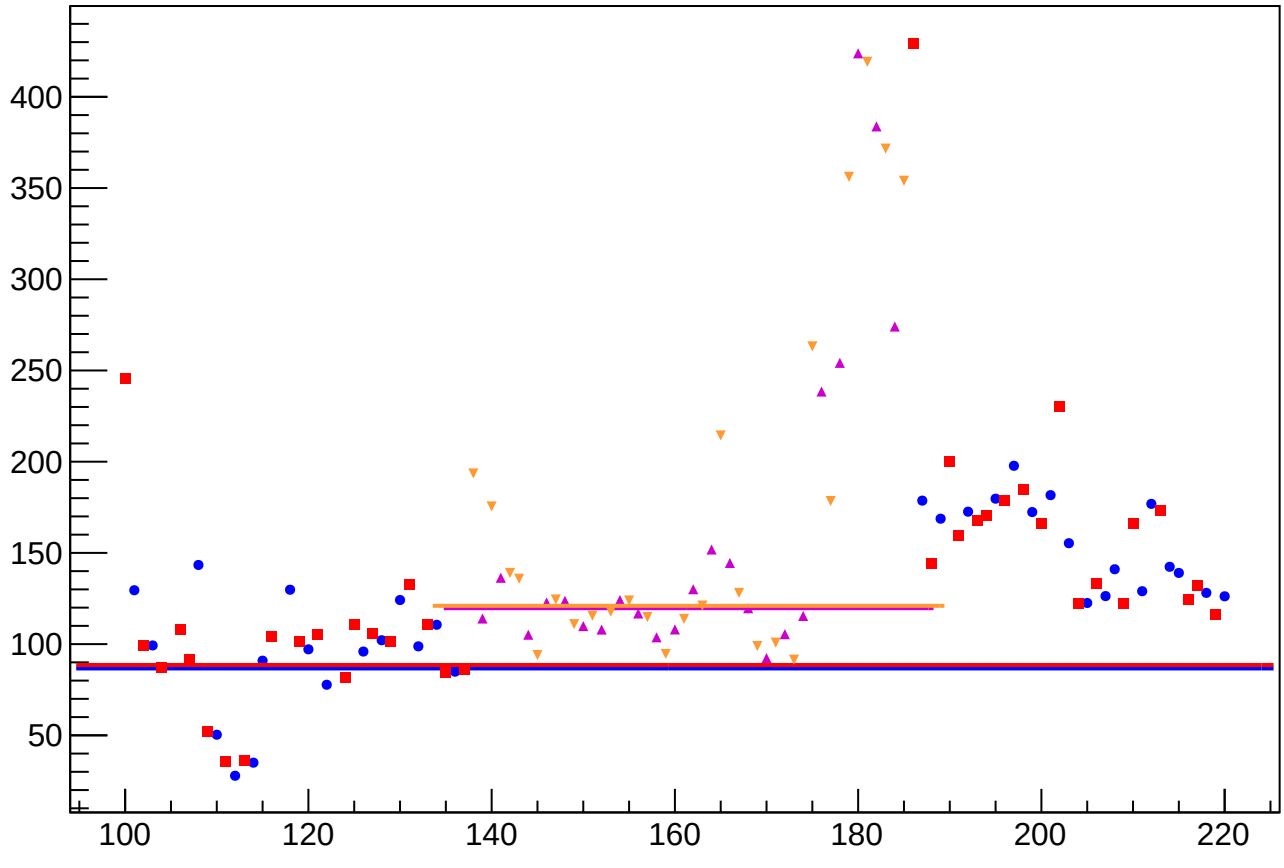
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.042+/-0.016 χ^2/NDF: 261.0/69

In: 0.006+/-0.018 χ^2/NDF:84.3/55

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.026+/-0.013 χ^2/NDF: 310.0/117



Right In: 86.662+/-0.016 χ^2/NDF: 10328951.2/32

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

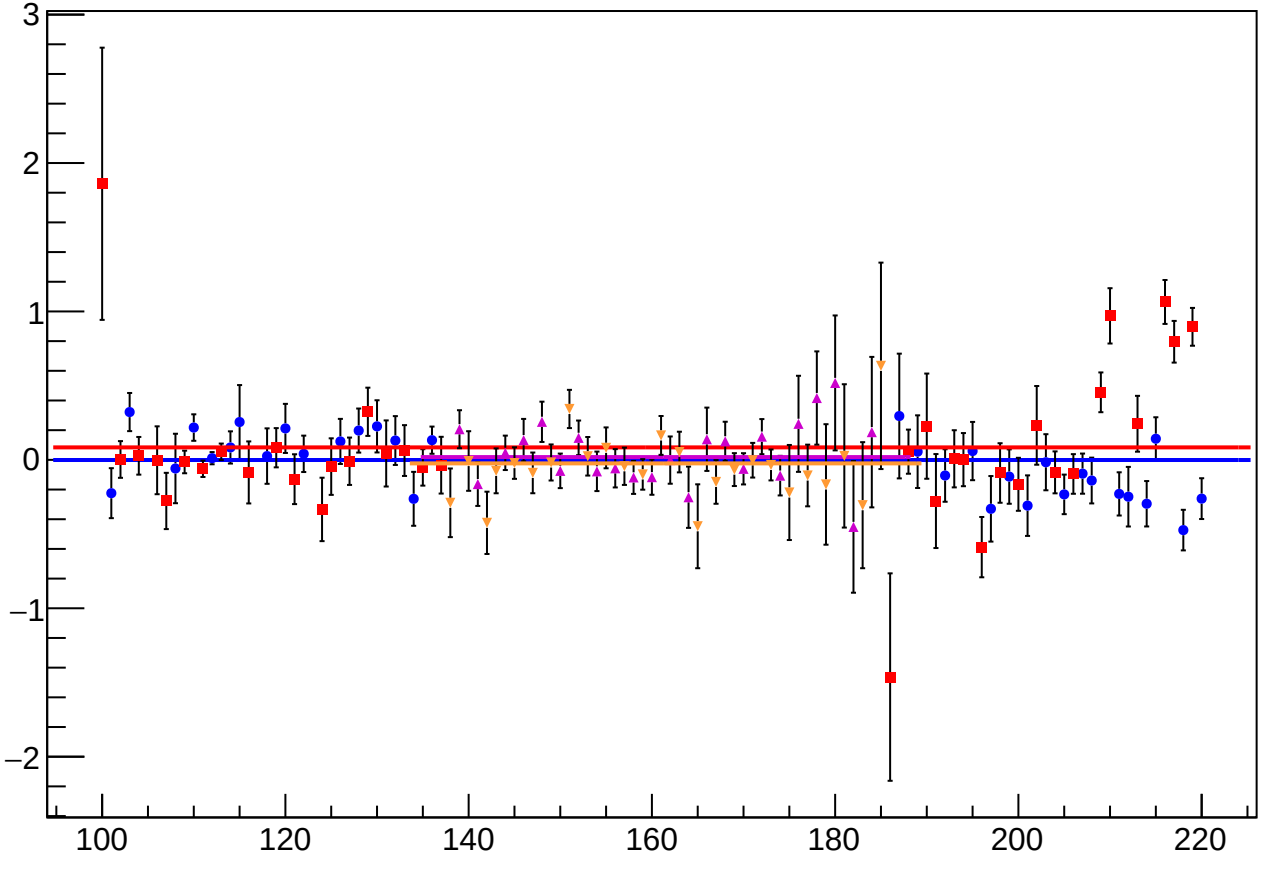
Right: 87.615+/-0.011 χ^2/NDF: 19957973.1/69

In: 98.435+/-0.013 χ^2/NDF:14702769.5/55

Out: 100.256+/-0.013 χ^2/NDF:15222007.7/61

All: 99.351+/-0.009 χ^2/NDF: 29935003.1/117

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.023 χ^2/NDF: 61.0/32

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.084+/-0.022 χ^2/NDF: 192.8/36

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

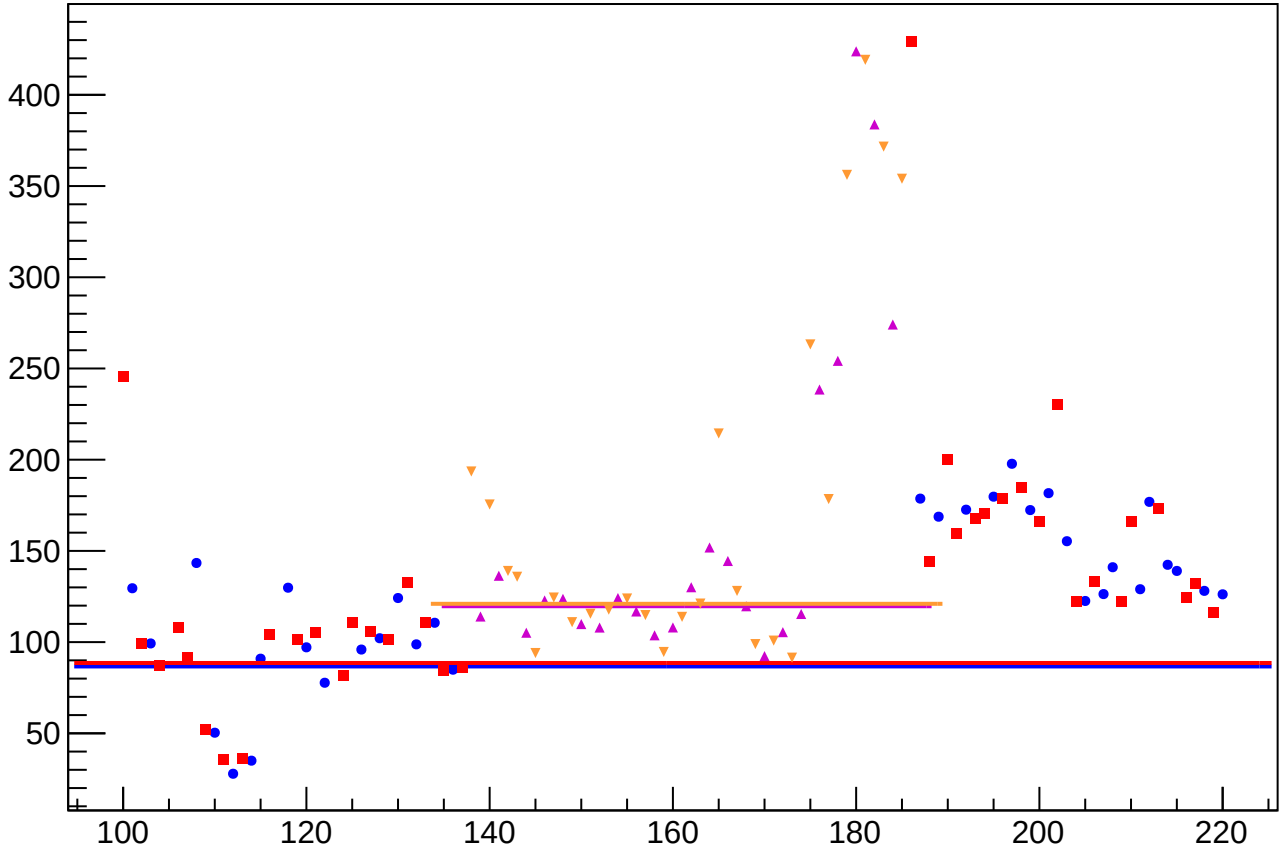
Right: 0.042+/-0.016 χ^2/NDF: 261.0/69

In: 0.006+/-0.018 χ^2/NDF:84.3/55

Out: 0.045+/-0.018 χ^2/NDF:223.4/61

All: 0.026+/-0.013 χ^2/NDF: 310.0/117

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.662+/-0.016 χ^2/NDF: 10328951.2/32

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

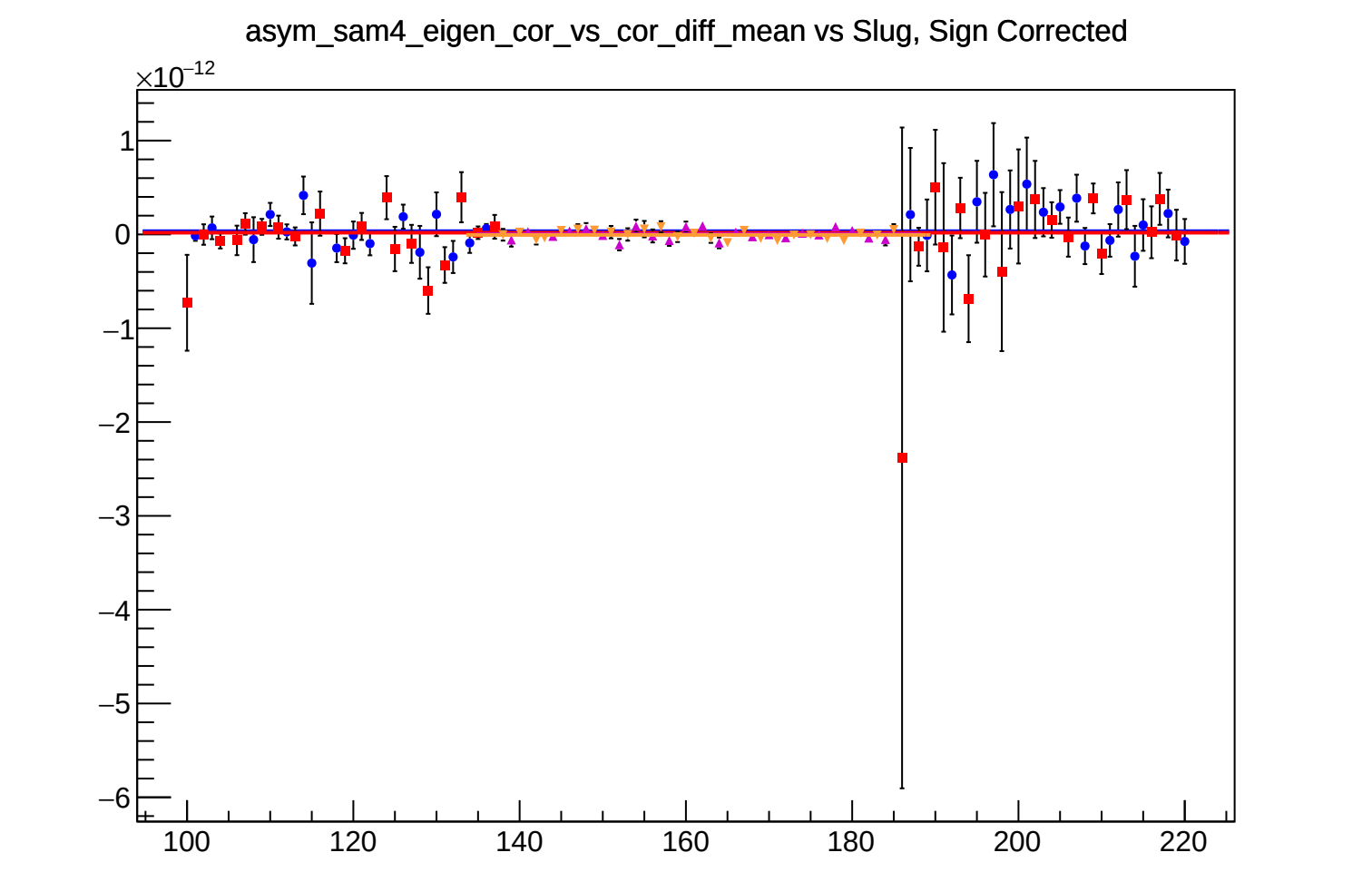
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 87.615+/-0.011 χ^2/NDF: 19957973.1/69

In: 98.435+/-0.013 χ^2/NDF:14702769.5/55

Out: 100.256+/-0.013 χ^2/NDF:15222007.7/61

All: 99.351+/-0.009 χ^2/NDF: 29935003.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.2/36

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

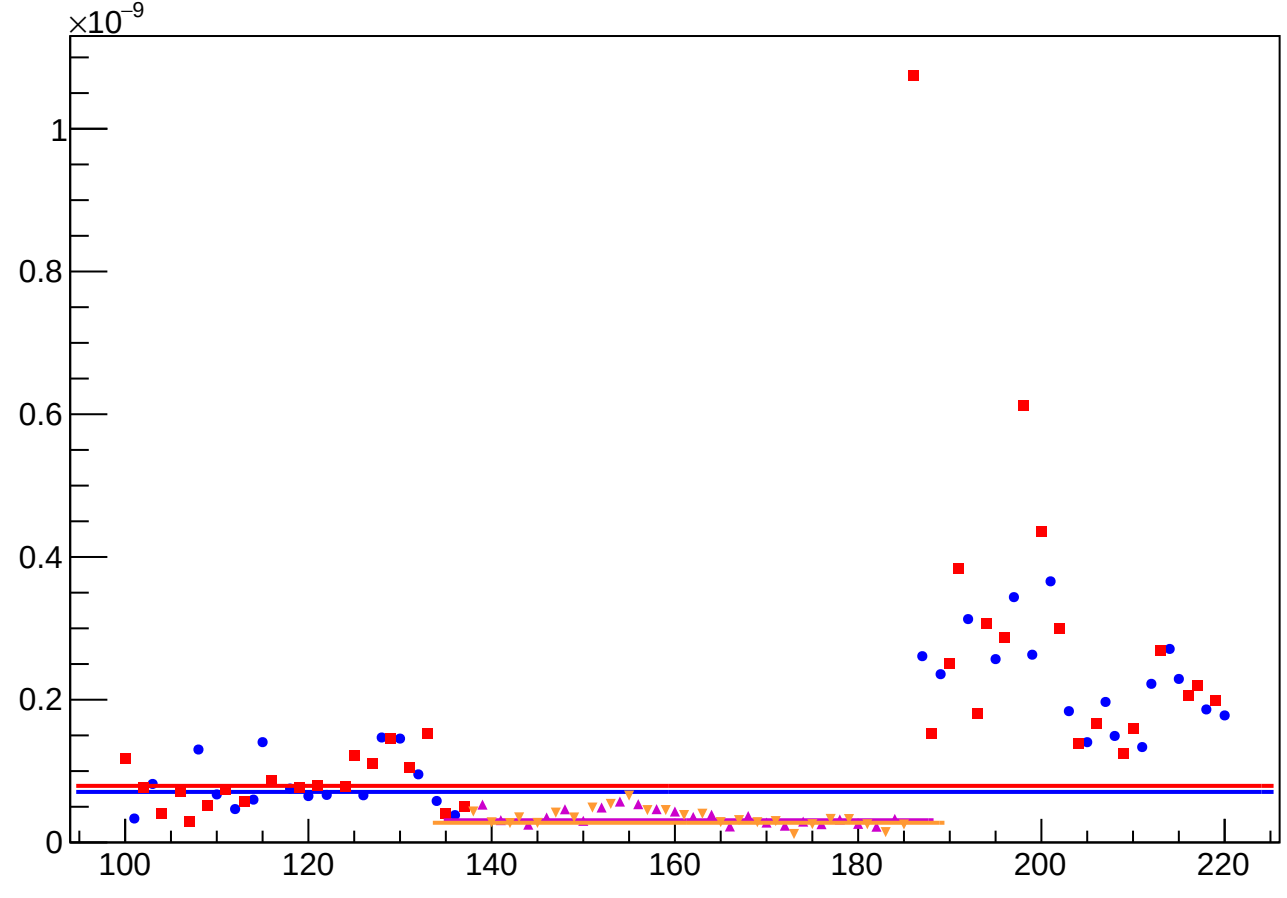
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 68.5/69

In: 0.000+/-0.000 χ^2/NDF:58.2/55

Out: -0.000+/-0.000 χ^2/NDF:62.1/61

All: 0.000+/-0.000 χ^2/NDF: 121.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 10366905.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9442121.5/36

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

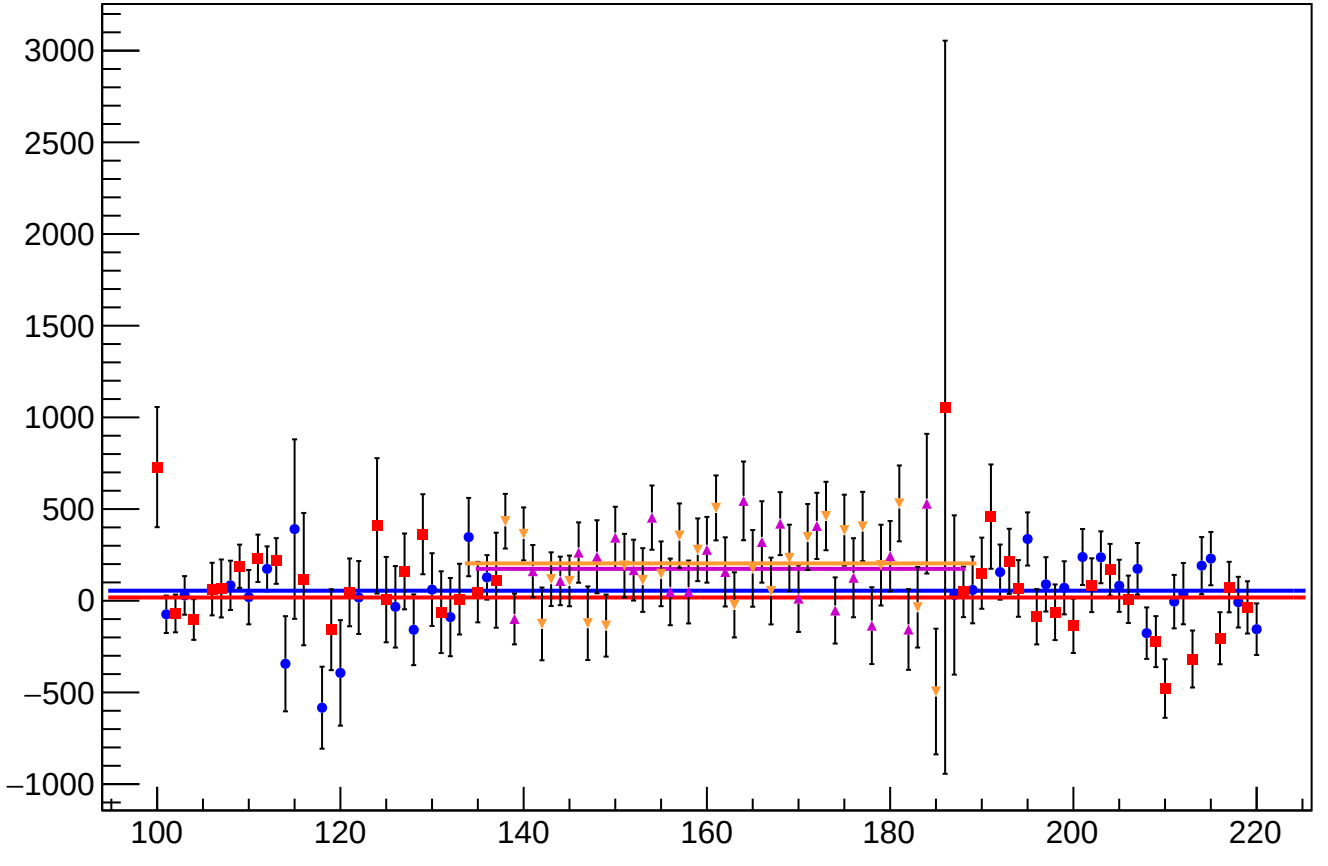
Right: 0.000+/-0.000 χ^2/NDF: 19919878.0/69

In: 0.000+/-0.000 χ^2/NDF:16975567.2/55

Out: 0.000+/-0.000 χ^2/NDF:20084032.5/61

All: 0.000+/-0.000 χ^2/NDF: 37287893.1/117

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 54.761+/-27.194 χ^2/NDF: 35.9/32

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 17.917+/-26.398 χ^2/NDF: 47.1/36

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

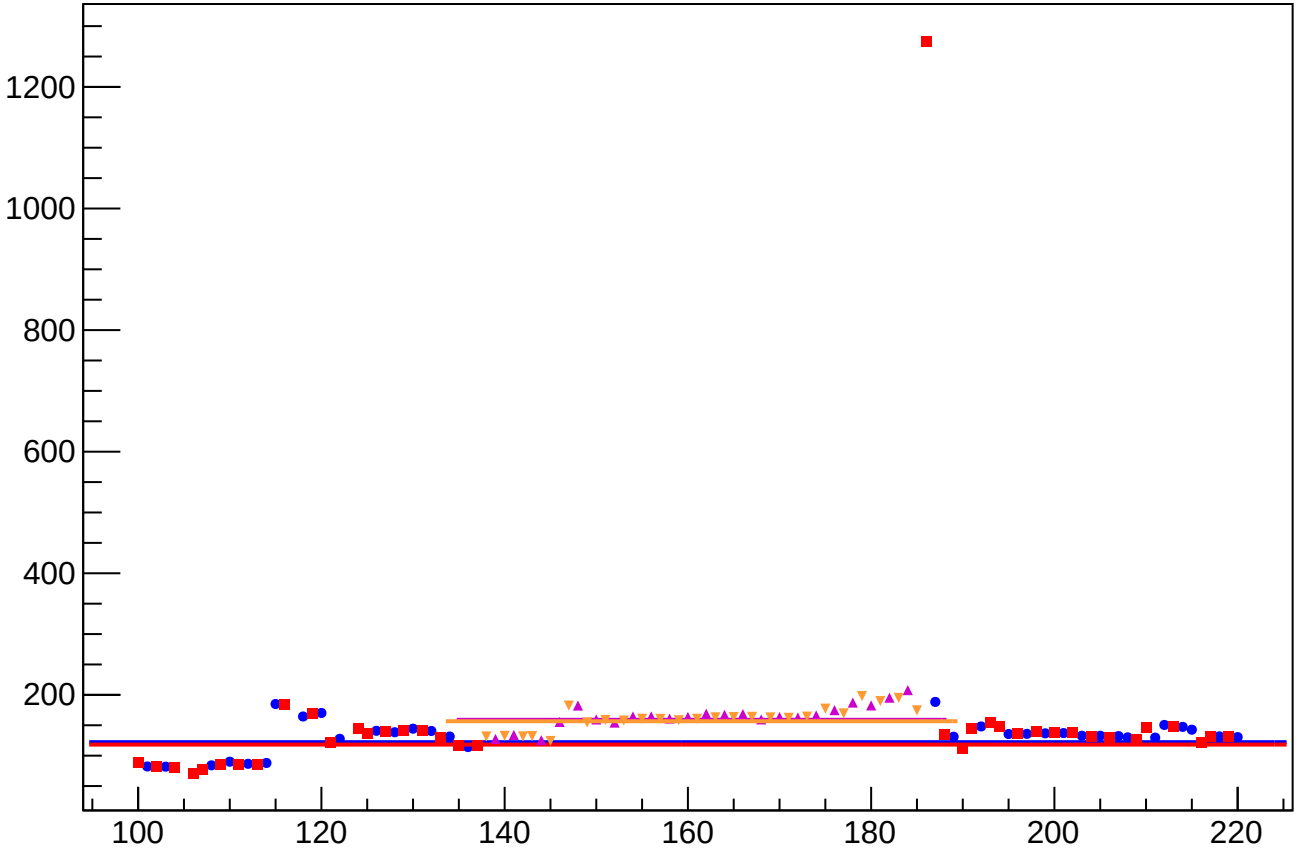
Right: 35.792+/-18.941 χ^2/NDF: 84.0/69

In: 95.982+/-21.995 χ^2/NDF:67.1/55

Out: 83.189+/-21.263 χ^2/NDF:97.4/61

All: 89.369+/-15.287 χ^2/NDF: 164.6/117

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 122.157+/-0.019 χ^2/NDF: 1693344.6/32

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 118.217+/-0.019 χ^2/NDF: 2763511.6/36

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

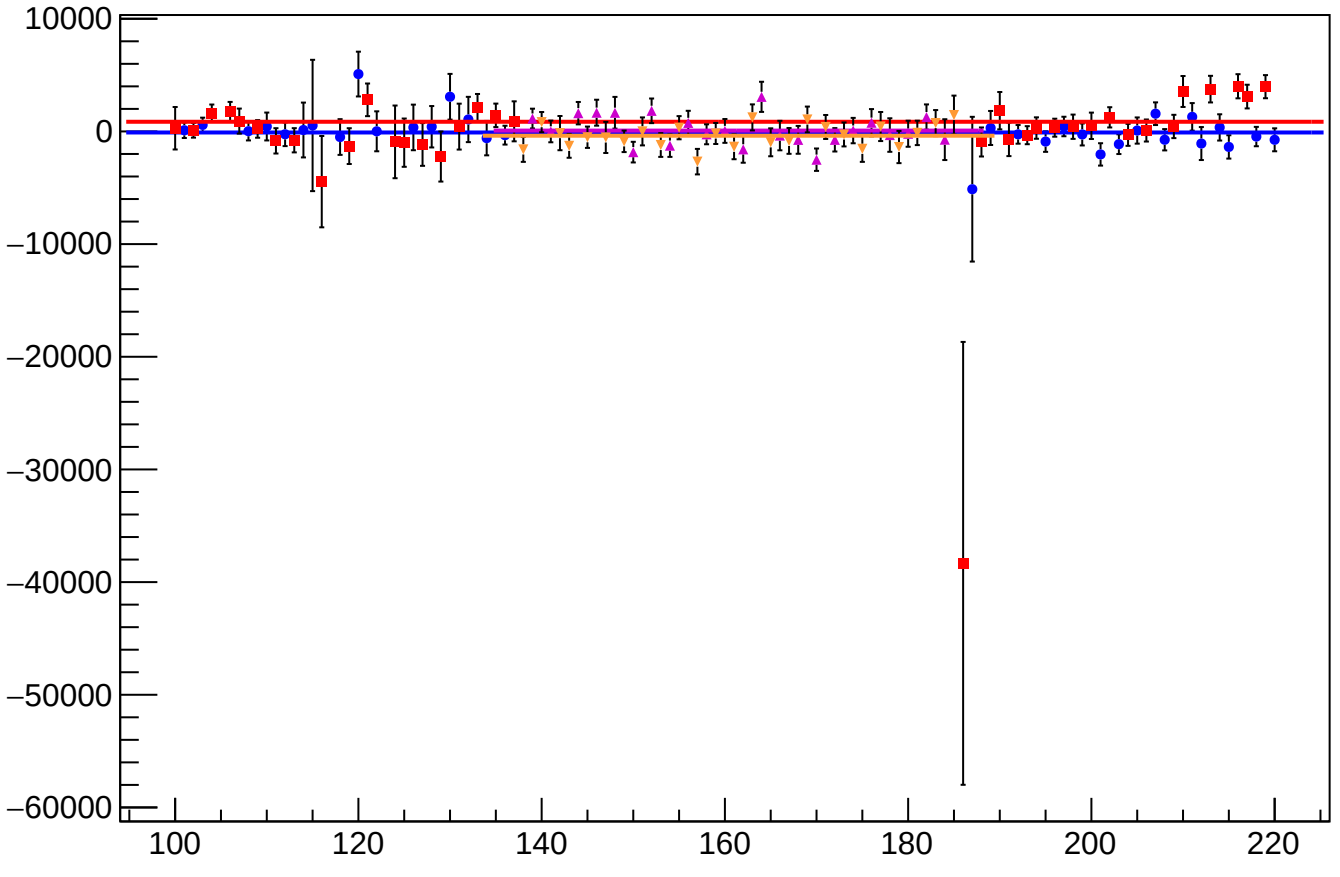
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 120.128+/-0.013 χ^2/NDF: 4478481.1/69

In: 134.880+/-0.016 χ^2/NDF:3470701.9/55

Out: 131.711+/-0.015 χ^2/NDF:4833982.1/61

All: 133.242+/-0.011 χ^2/NDF: 8326147.7/117



Right In: -93.339+/-191.015 χ^2/NDF: 25.8/32

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 858.286+/-184.954 χ^2/NDF: 65.1/36

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

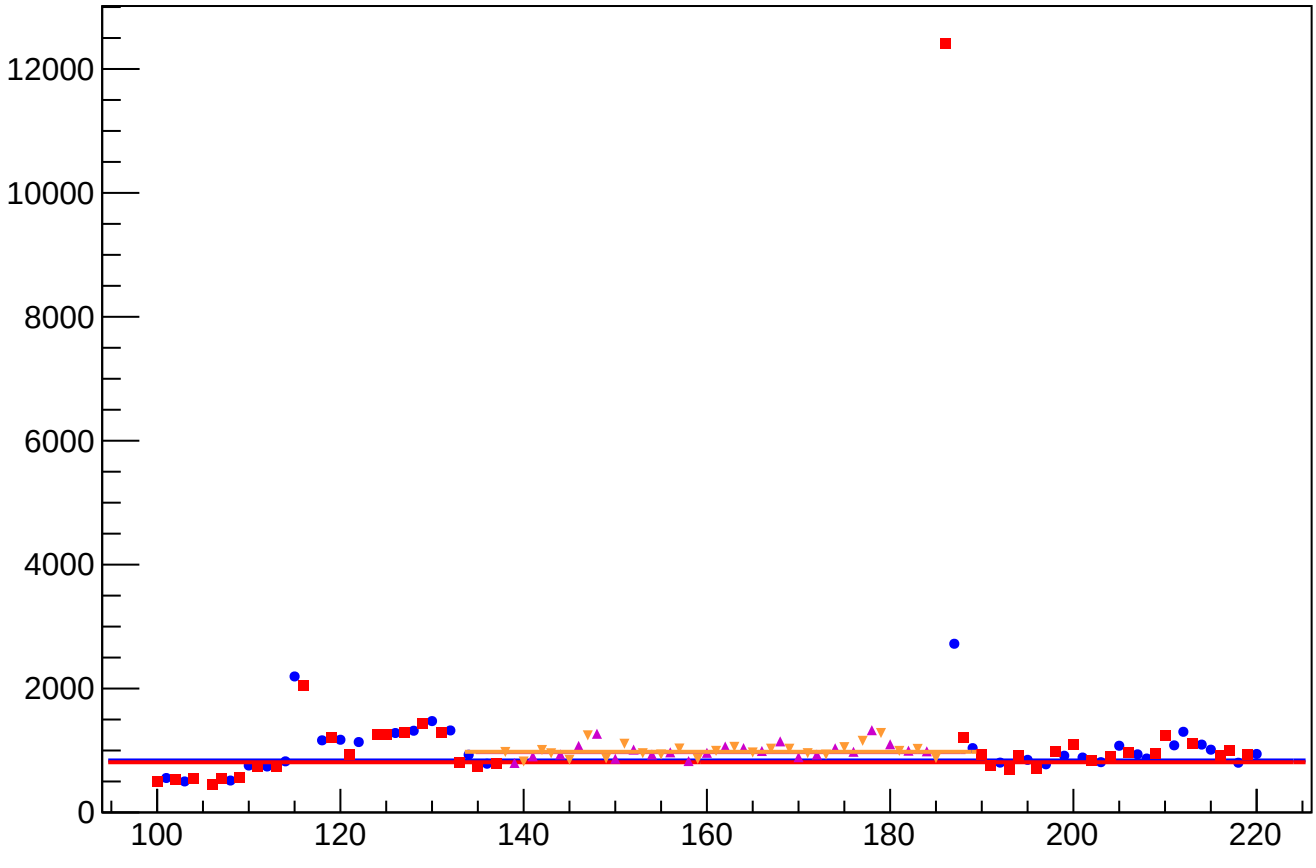
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 397.810+/-132.873 χ^2/NDF: 103.6/69

In: -24.779+/-146.891 χ^2/NDF:59.1/55

Out: 357.498+/-142.763 χ^2/NDF:101.9/61

All: 171.806+/-102.377 χ^2/NDF: 164.6/117



Right In: 839.057+/-0.135 χ^2/NDF: 2893695.3/32

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 810.289+/-0.131 χ^2/NDF: 3969042.6/36

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

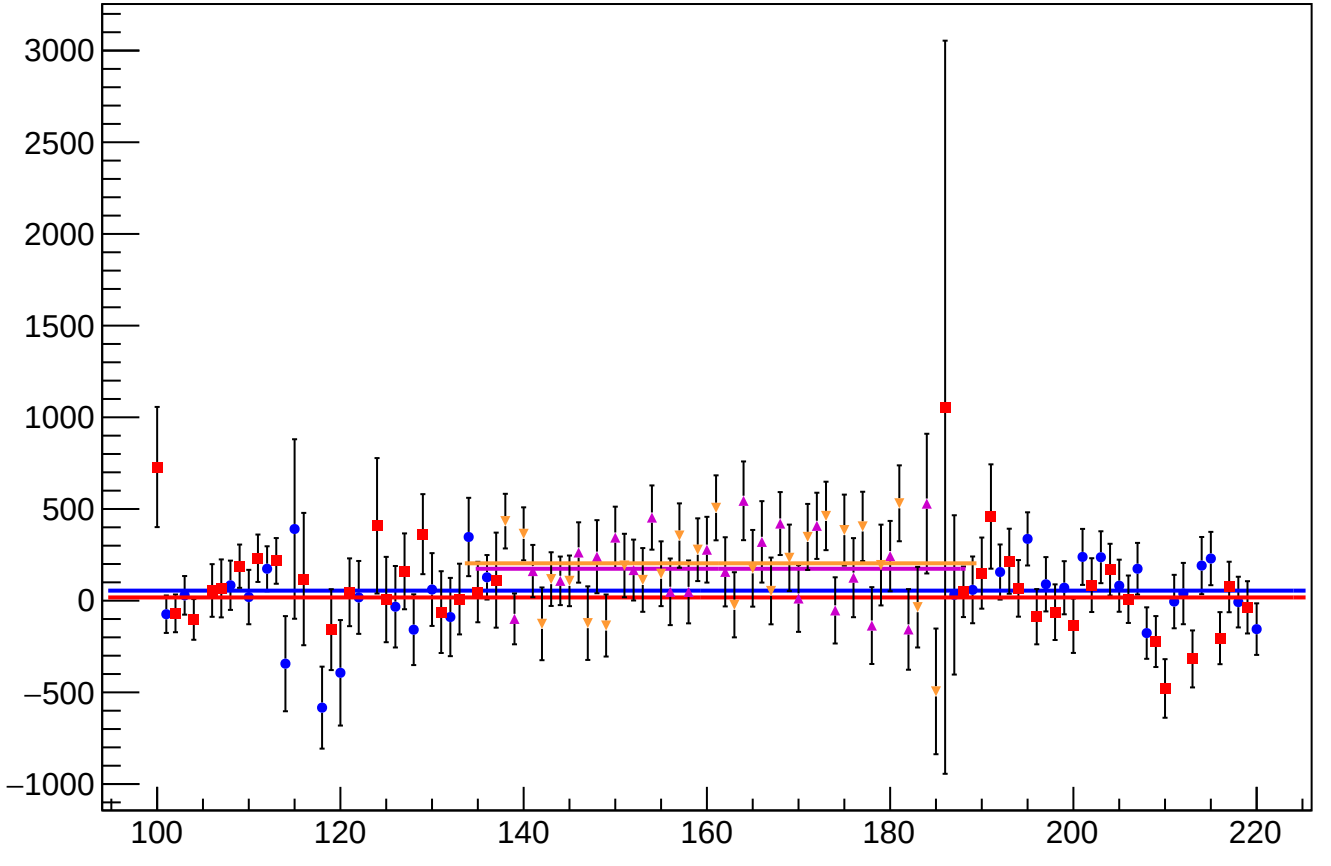
Right: 824.210+/-0.094 χ^2/NDF: 6886151.6/69

In: 894.125+/-0.104 χ^2/NDF:3799083.7/55

Out: 878.526+/-0.101 χ^2/NDF:5072361.1/61

All: 886.103+/-0.072 χ^2/NDF: 8883043.1/117

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 54.760+/-27.194 χ^2/NDF: 35.9/32

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 17.658+/-26.399 χ^2/NDF: 47.1/36

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

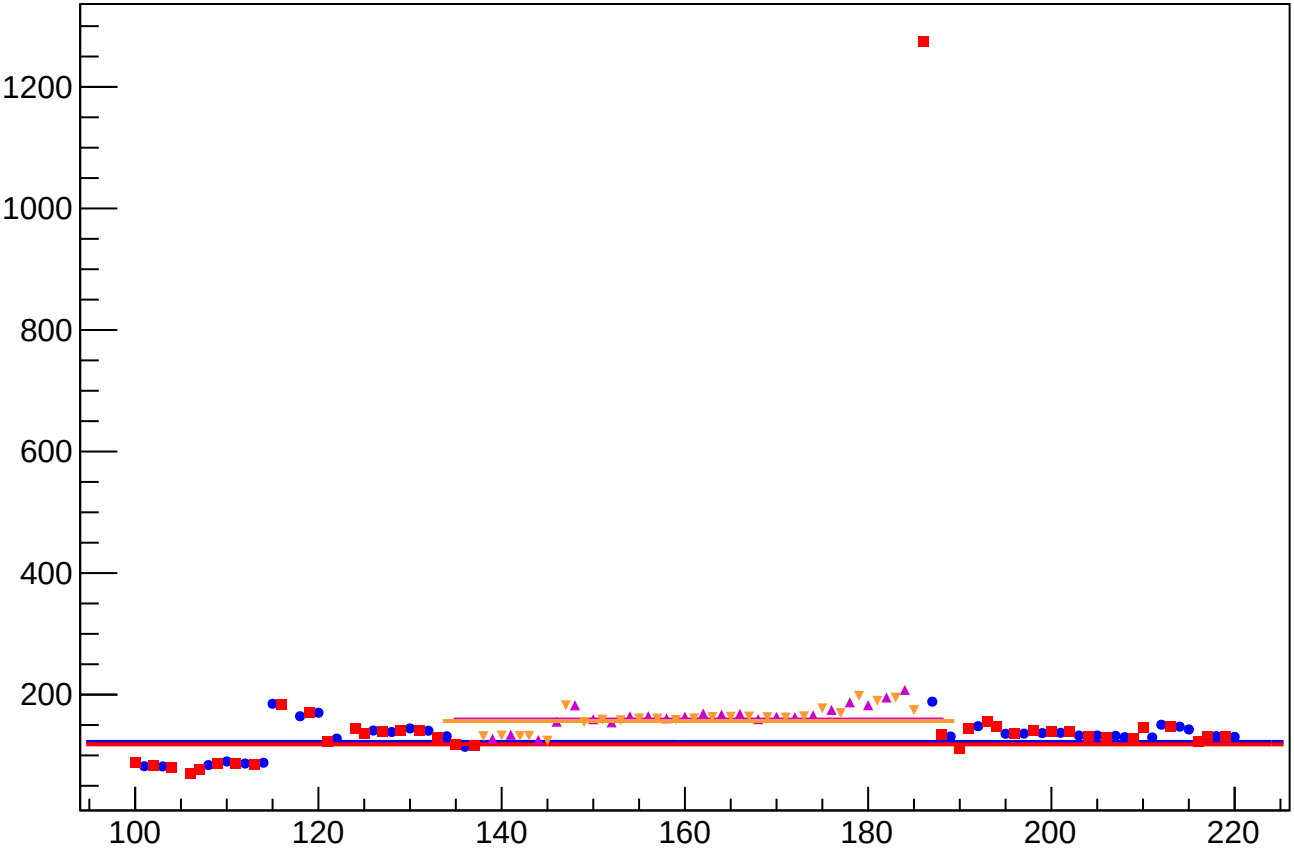
Right: 35.659+/-18.942 χ^2/NDF: 84.0/69

In: 95.983+/-21.995 χ^2/NDF:67.1/55

Out: 83.027+/-21.263 χ^2/NDF:97.4/61

All: 89.286+/-15.288 χ^2/NDF: 164.7/117

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 122.157+/-0.019 χ^2/NDF: 1693343.2/32

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

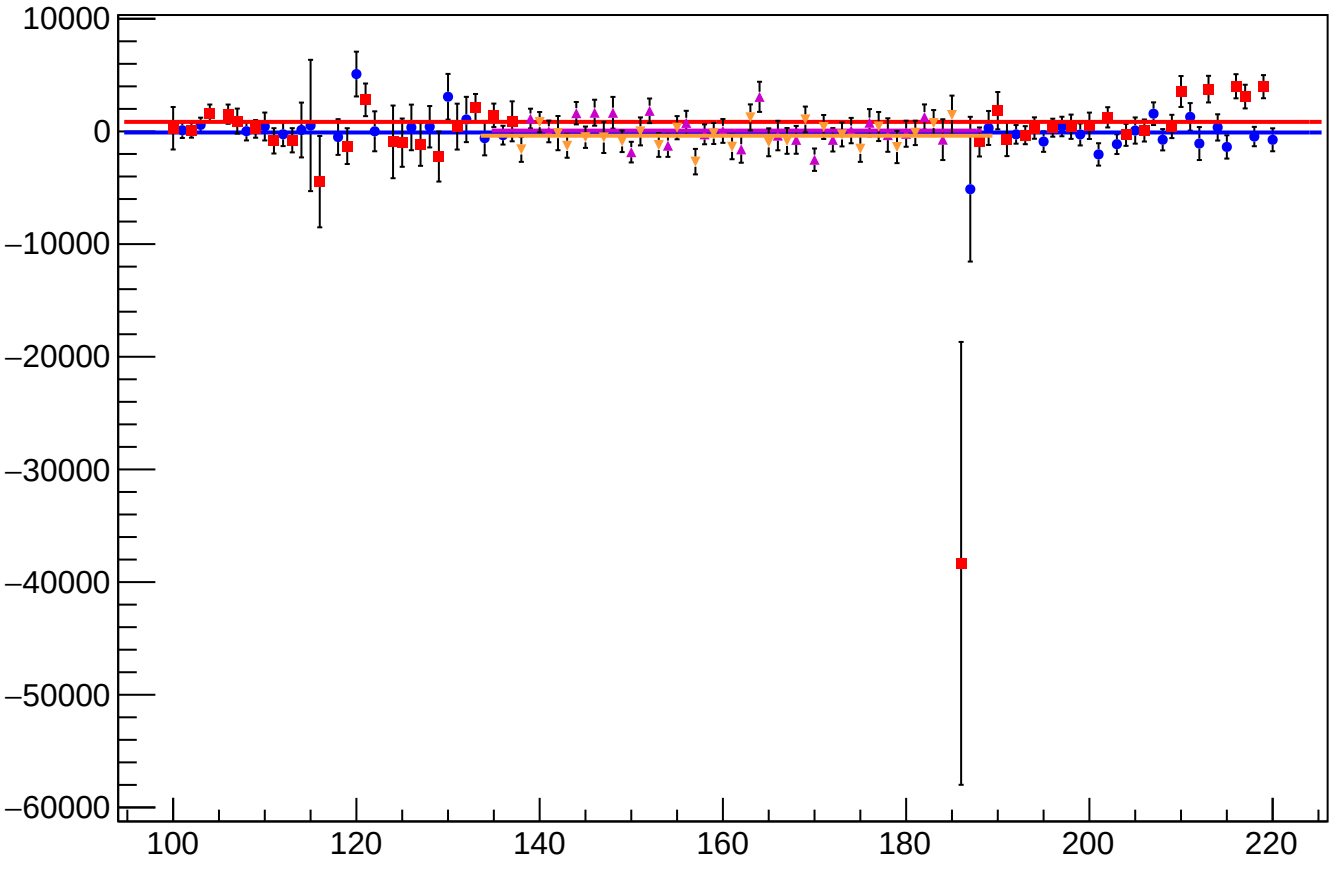
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 120.123+/-0.013 χ^2/NDF: 4481954.5/69

In: 134.880+/-0.016 χ^2/NDF:3470699.9/55

Out: 131.705+/-0.015 χ^2/NDF:4838106.8/61

All: 133.239+/-0.011 χ^2/NDF: 8330352.4/117



Right In: -93.336+/-191.015 χ^2/NDF: 25.8/32

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 846.344+/-185.011 χ^2/NDF: 64.5/36

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

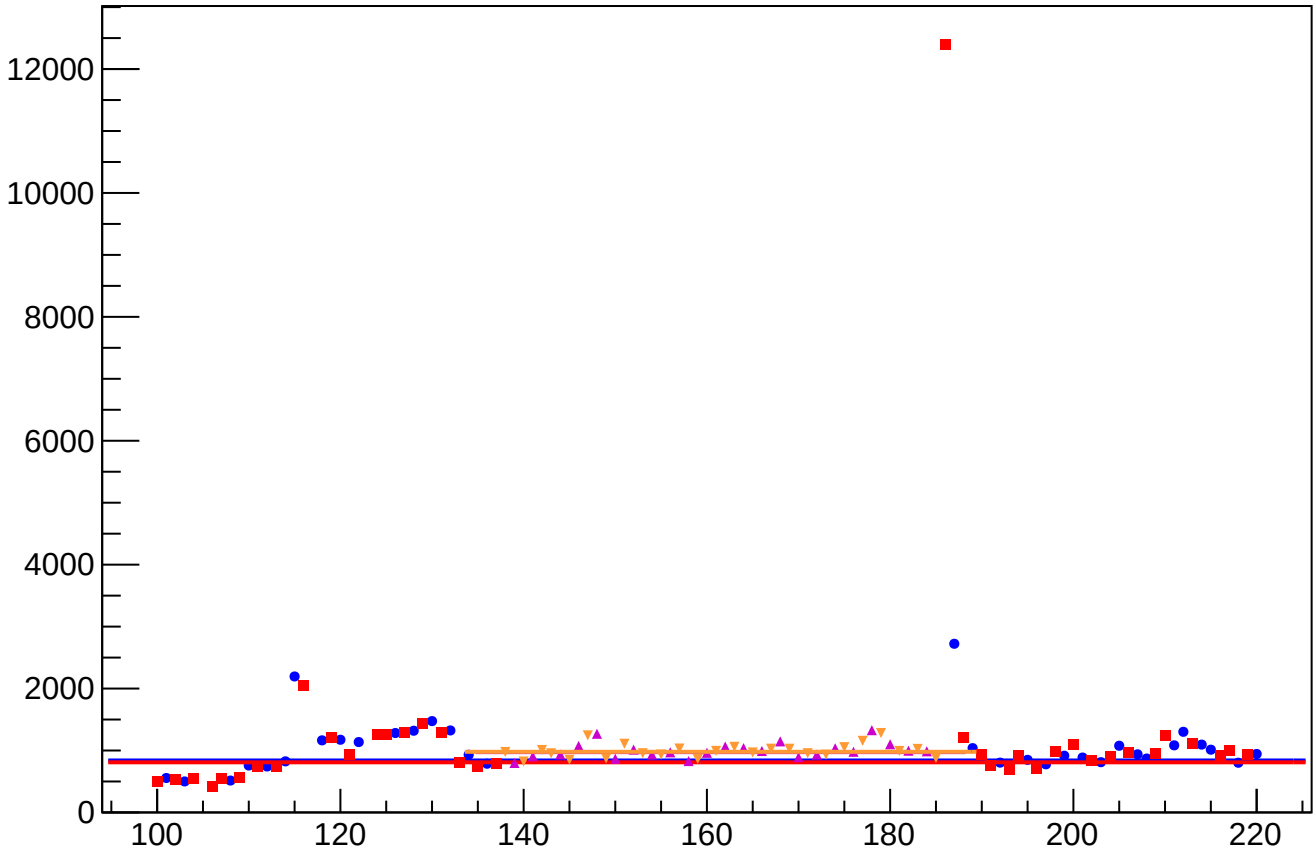
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 391.502+/-132.894 χ^2/NDF: 102.8/69

In: -24.778+/-146.891 χ^2/NDF:59.1/55

Out: 350.205+/-142.789 χ^2/NDF:101.1/61

All: 168.022+/-102.387 χ^2/NDF: 163.5/117



Right In: 839.057+/-0.135 χ^2/NDF: 2893699.5/32

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

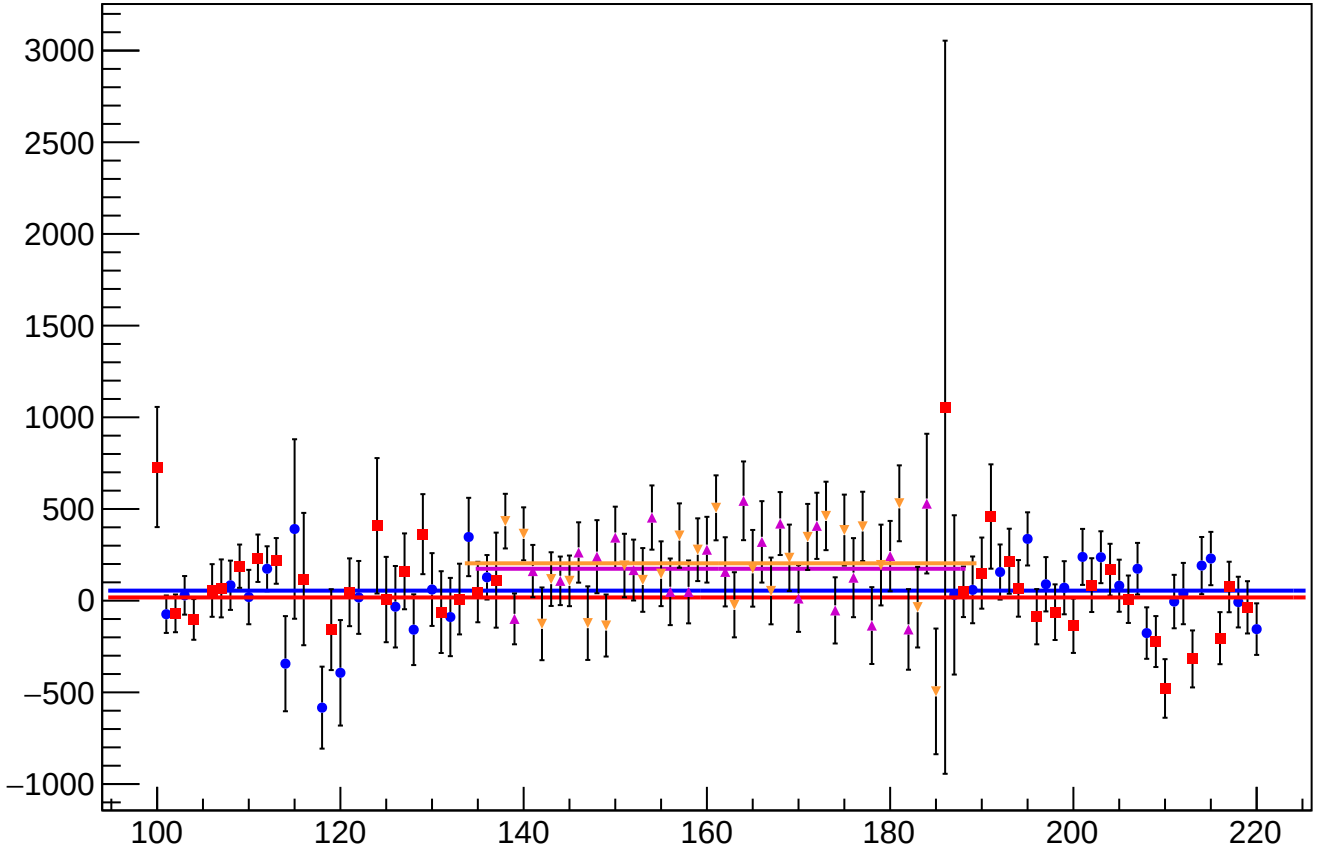
Right: 823.738+/-0.094 χ^2/NDF: 6932914.0/69

In: 894.125+/-0.104 χ^2/NDF:3799090.5/55

Out: 878.002+/-0.101 χ^2/NDF:5124810.7/61

All: 885.835+/-0.072 χ^2/NDF: 8936289.6/117

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 54.760+/-27.194 χ^2/NDF: 35.9/32

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 17.658+/-26.399 χ^2/NDF: 47.1/36

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

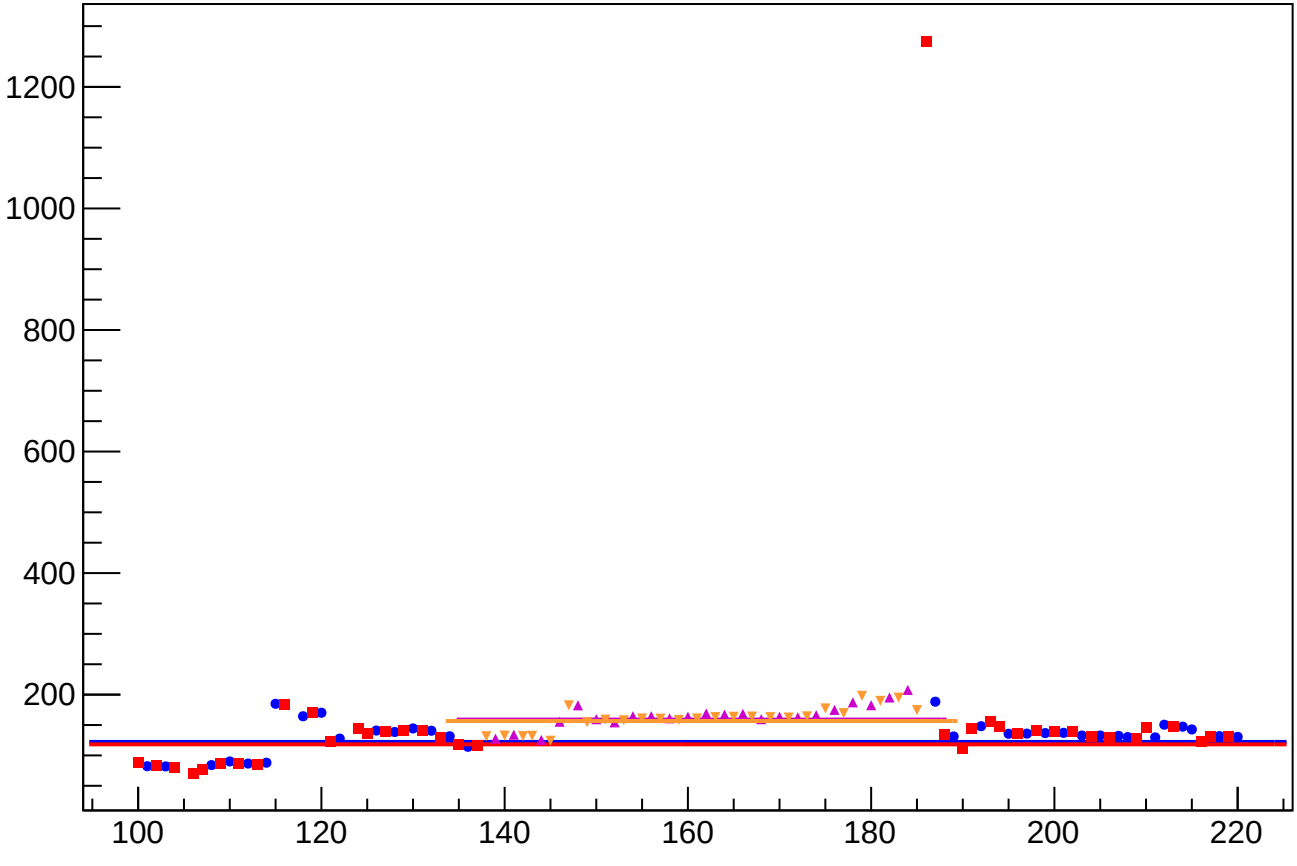
Right: 35.659+/-18.942 χ^2/NDF: 84.0/69

In: 95.983+/-21.995 χ^2/NDF:67.1/55

Out: 83.027+/-21.263 χ^2/NDF:97.4/61

All: 89.286+/-15.288 χ^2/NDF: 164.7/117

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 122.157+/-0.019 χ^2/NDF: 1693343.2/32

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

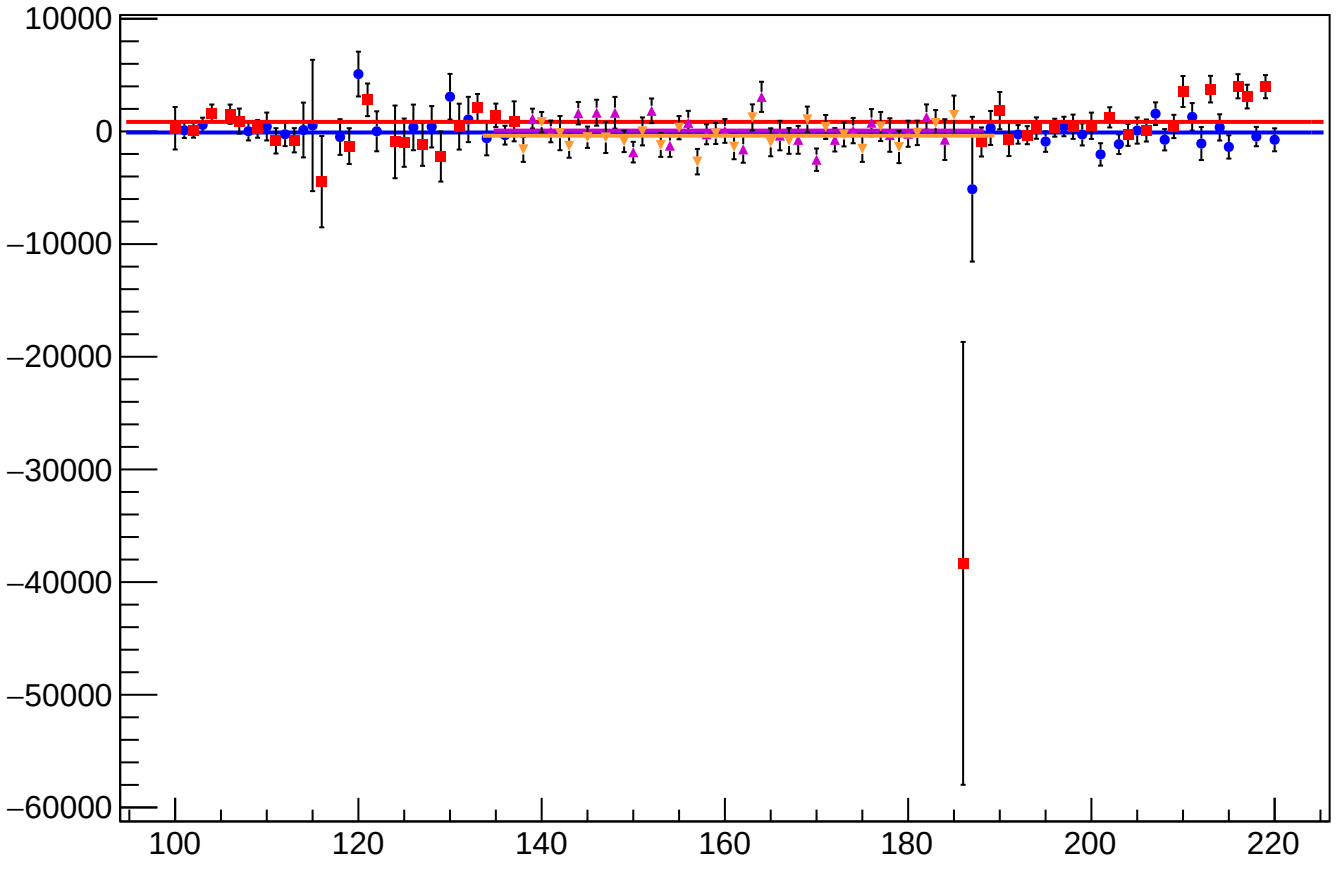
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 120.123+/-0.013 χ^2/NDF: 4481954.5/69

In: 134.880+/-0.016 χ^2/NDF:3470699.9/55

Out: 131.705+/-0.015 χ^2/NDF:4838106.8/61

All: 133.239+/-0.011 χ^2/NDF: 8330352.4/117



Right In: -93.336+/-191.015 χ^2/NDF: 25.8/32

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 846.344+/-185.011 χ^2/NDF: 64.5/36

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

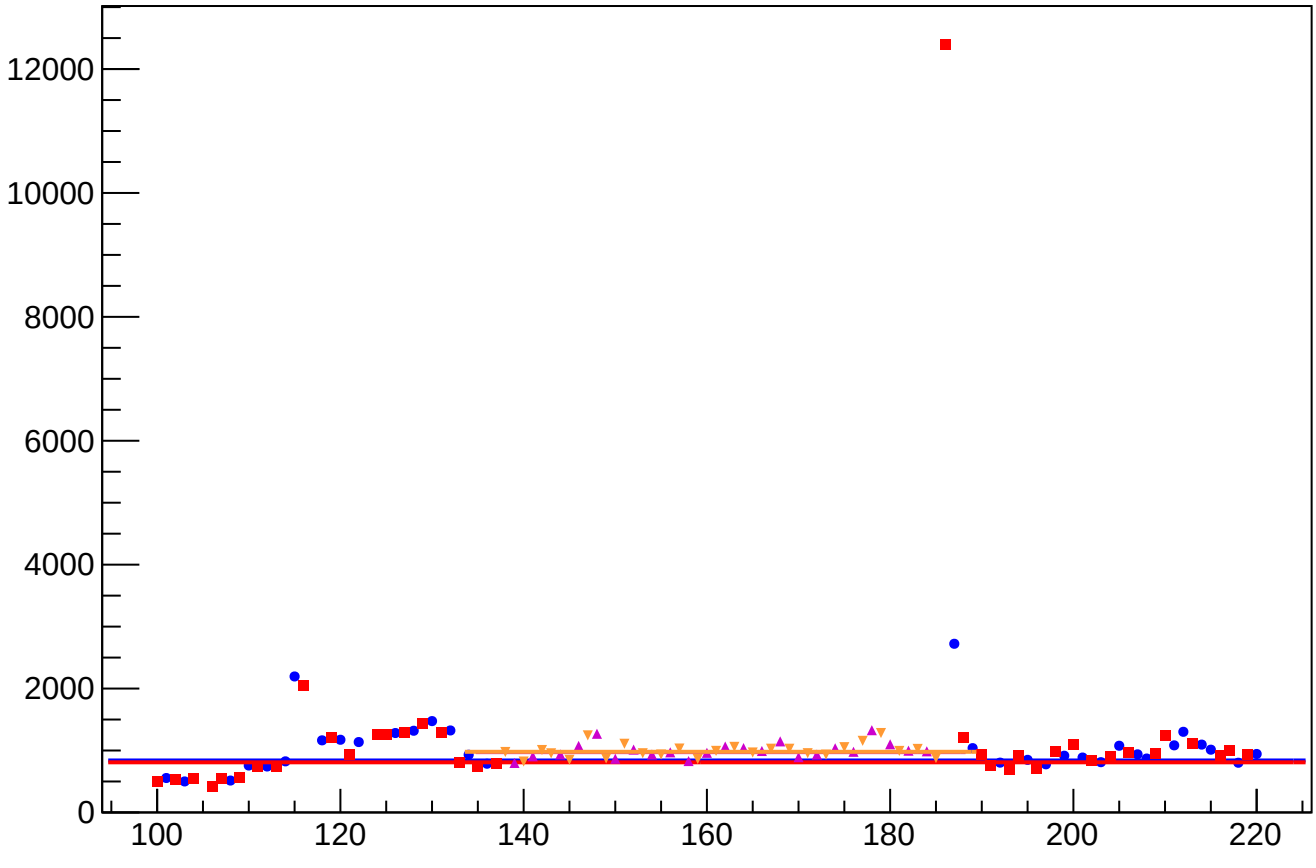
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 391.502+/-132.894 χ^2/NDF: 102.8/69

In: -24.778+/-146.891 χ^2/NDF:59.1/55

Out: 350.205+/-142.789 χ^2/NDF:101.1/61

All: 168.022+/-102.387 χ^2/NDF: 163.5/117



Right In: 839.057+/-0.135 χ^2/NDF: 2893699.5/32

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

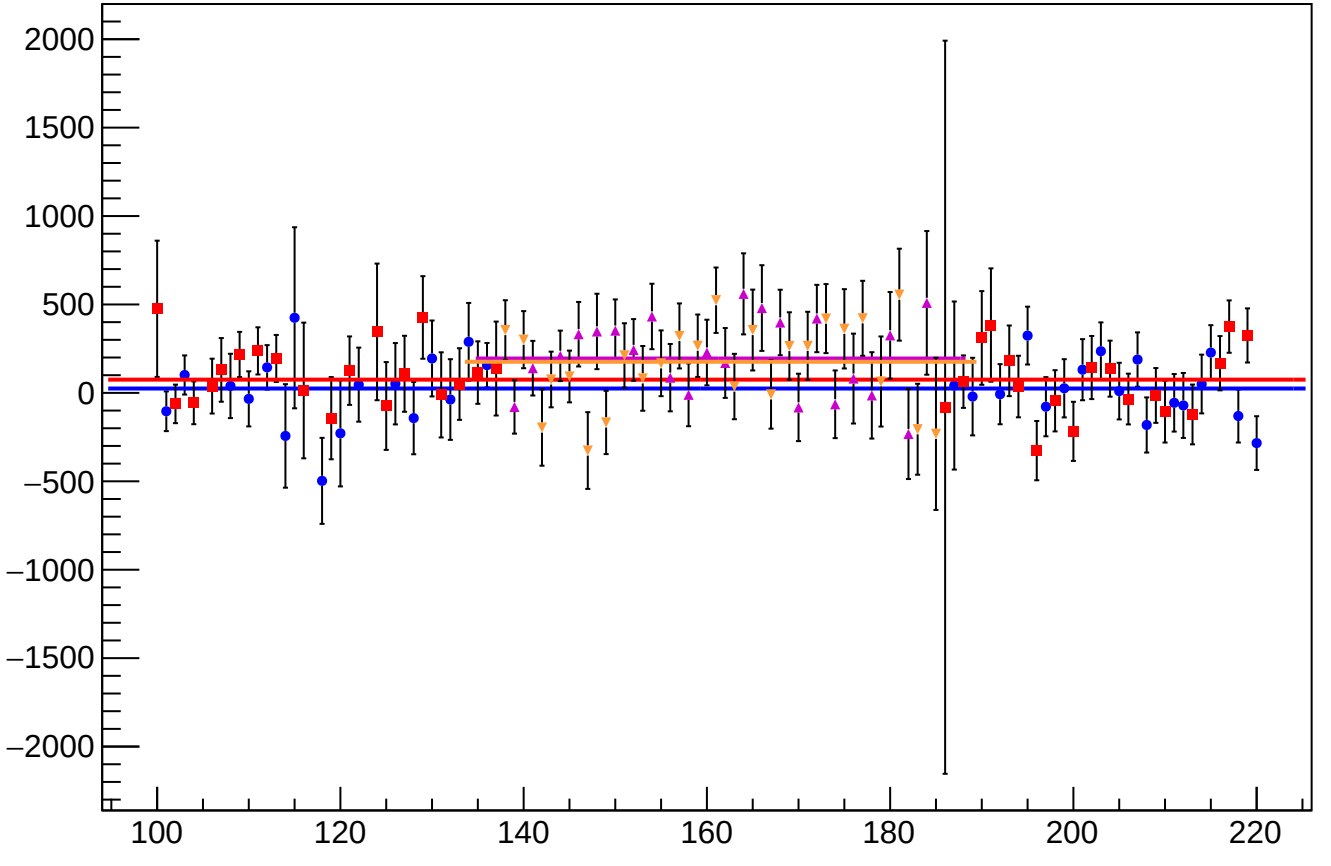
Right: 823.738+/-0.094 χ^2/NDF: 6932914.0/69

In: 894.125+/-0.104 χ^2/NDF:3799090.5/55

Out: 878.002+/-0.101 χ^2/NDF:5124810.7/61

All: 885.835+/-0.072 χ^2/NDF: 8936289.6/117

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 24.662+/-29.795 χ^2/NDF: 29.8/32

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 74.925+/-28.855 χ^2/NDF: 34.0/36

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

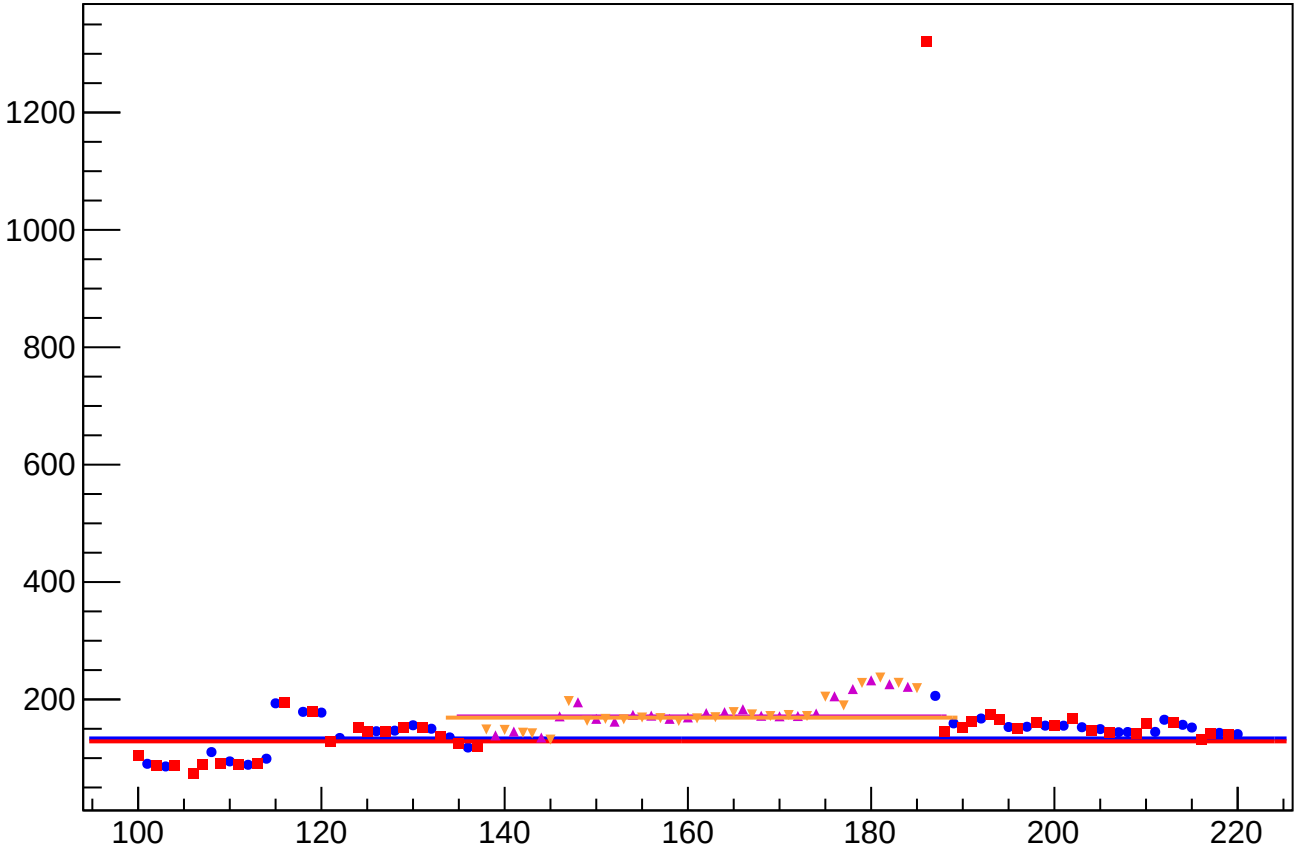
Right: 50.599+/-20.728 χ^2/NDF: 65.3/69

In: 84.464+/-23.976 χ^2/NDF:65.0/55

Out: 110.879+/-23.162 χ^2/NDF:69.1/61

All: 98.127+/-16.658 χ^2/NDF: 134.8/117

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 133.535+/-0.021 χ^2/NDF: 1820158.9/32

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 128.579+/-0.020 χ^2/NDF: 3025698.8/36

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

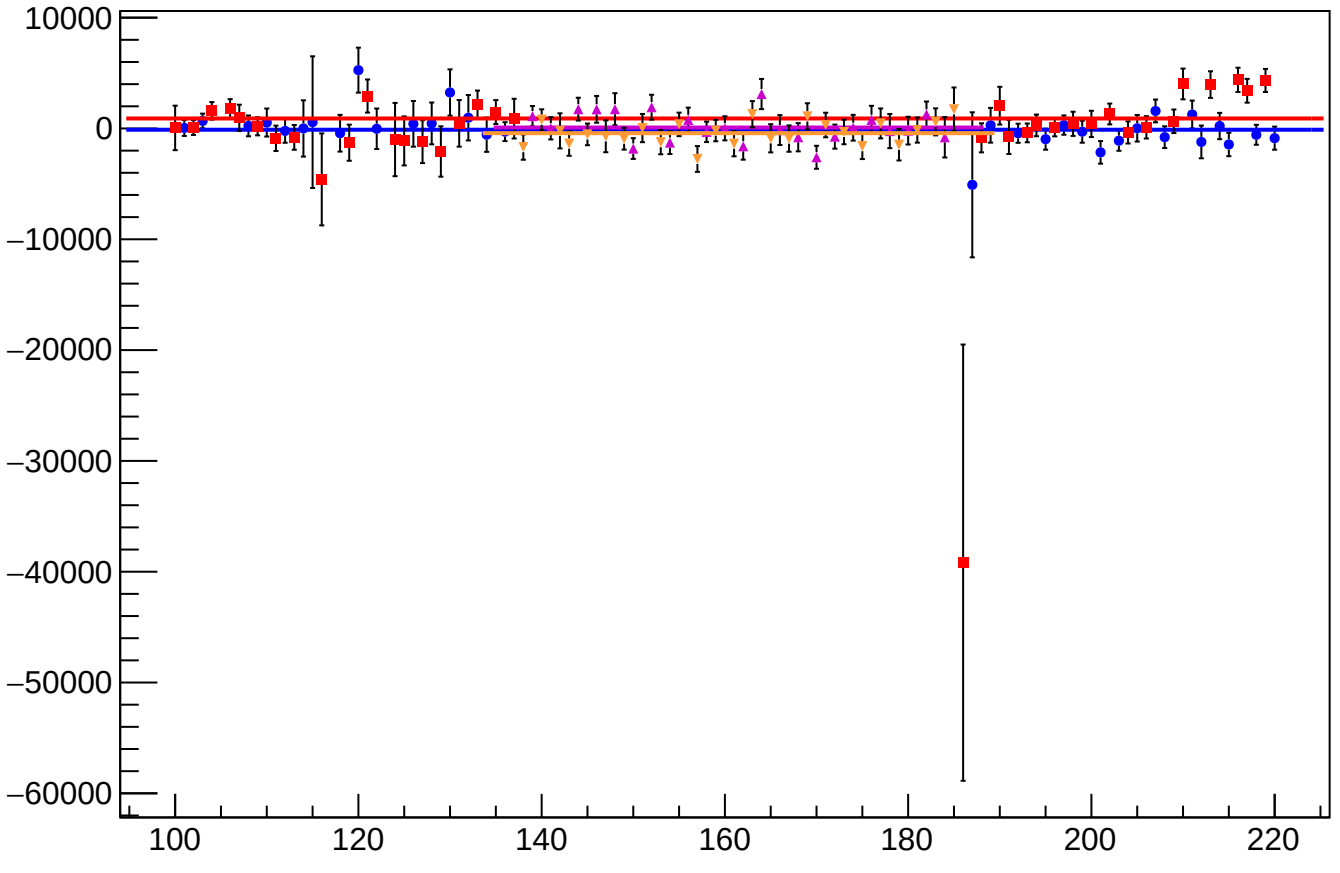
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 130.977+/-0.015 χ^2/NDF: 4874409.7/69

In: 146.748+/-0.017 χ^2/NDF:3614150.5/55

Out: 142.959+/-0.016 χ^2/NDF:5196153.8/61

All: 144.788+/-0.012 χ^2/NDF: 8836140.0/117



Right In: -113.793+/-197.448 χ^2/NDF: 26.5/32

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 902.106+/-190.616 χ^2/NDF: 71.8/36

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

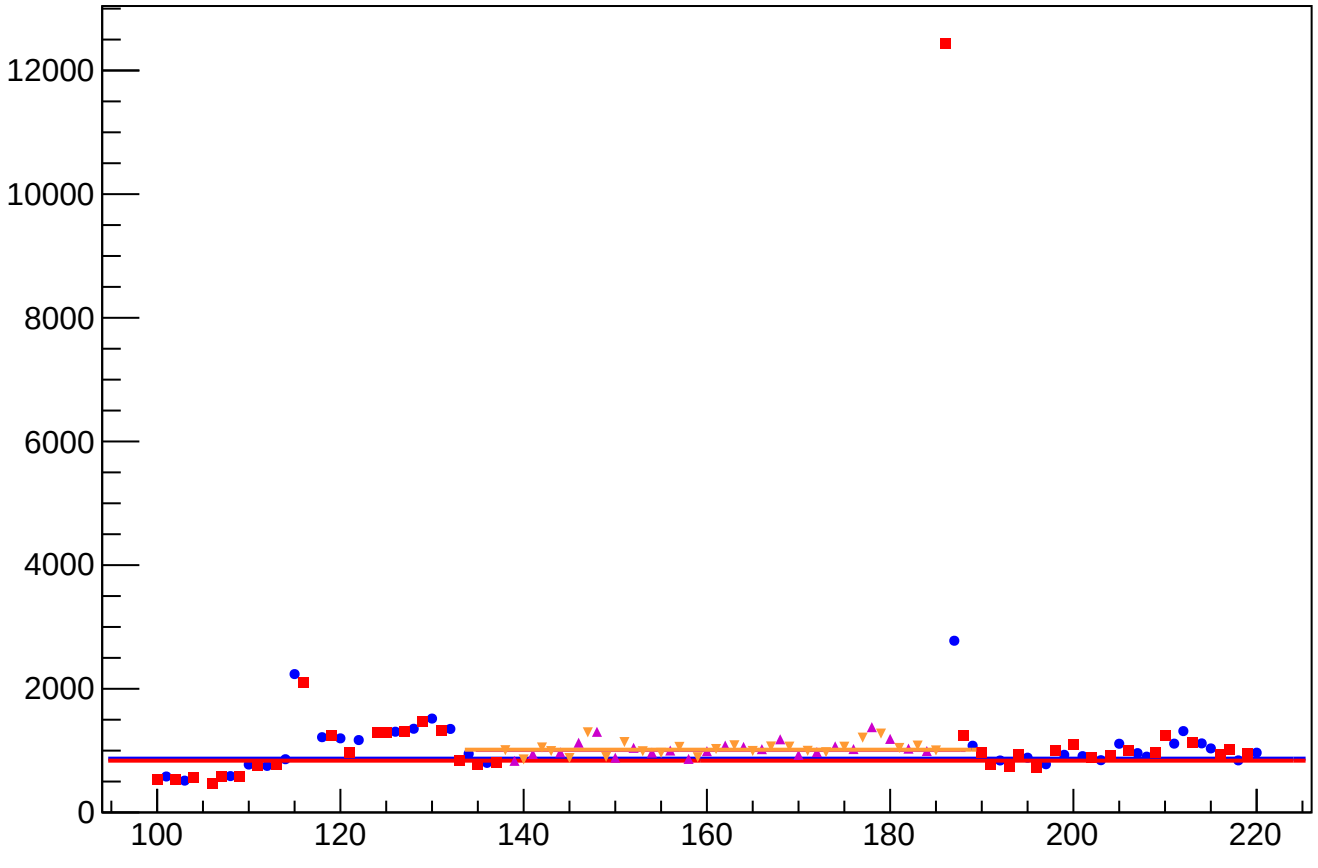
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 412.034+/-137.138 χ^2/NDF: 112.1/69

In: -32.207+/-152.001 χ^2/NDF:59.4/55

Out: 368.484+/-147.423 χ^2/NDF:109.7/61

All: 174.263+/-105.826 χ^2/NDF: 172.7/117



Right In: 870.216+/-0.140 χ^2/NDF: 2708906.1/32

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 837.681+/-0.135 χ^2/NDF: 3800664.9/36

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

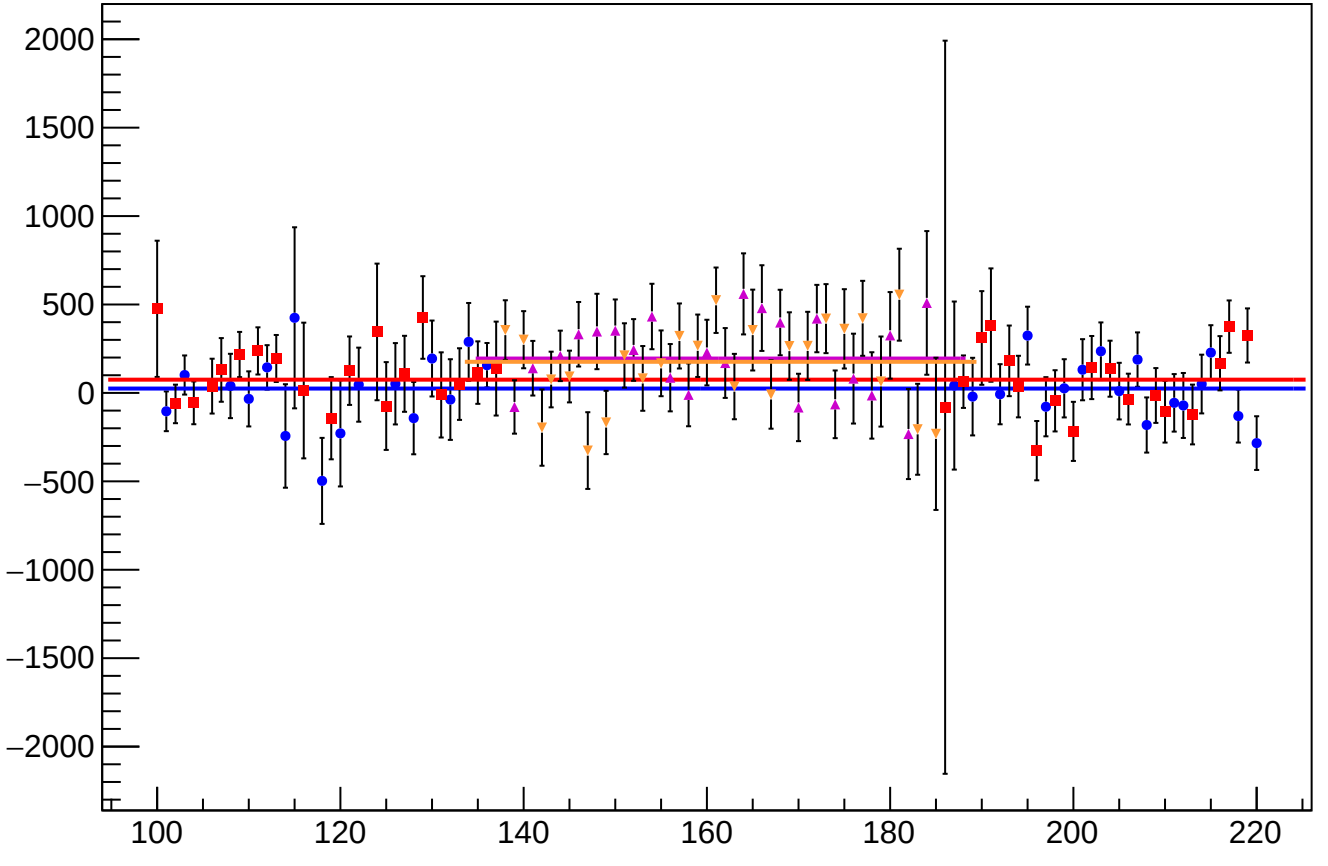
Right: 853.376+/-0.097 χ^2/NDF: 6537679.5/69

In: 927.025+/-0.107 χ^2/NDF:3614110.4/55

Out: 908.954+/-0.104 χ^2/NDF:4894468.7/61

All: 917.713+/-0.075 χ^2/NDF: 8523144.4/117

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 24.662+/-29.795 χ^2/NDF: 29.8/32

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 74.924+/-28.855 χ^2/NDF: 34.0/36

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

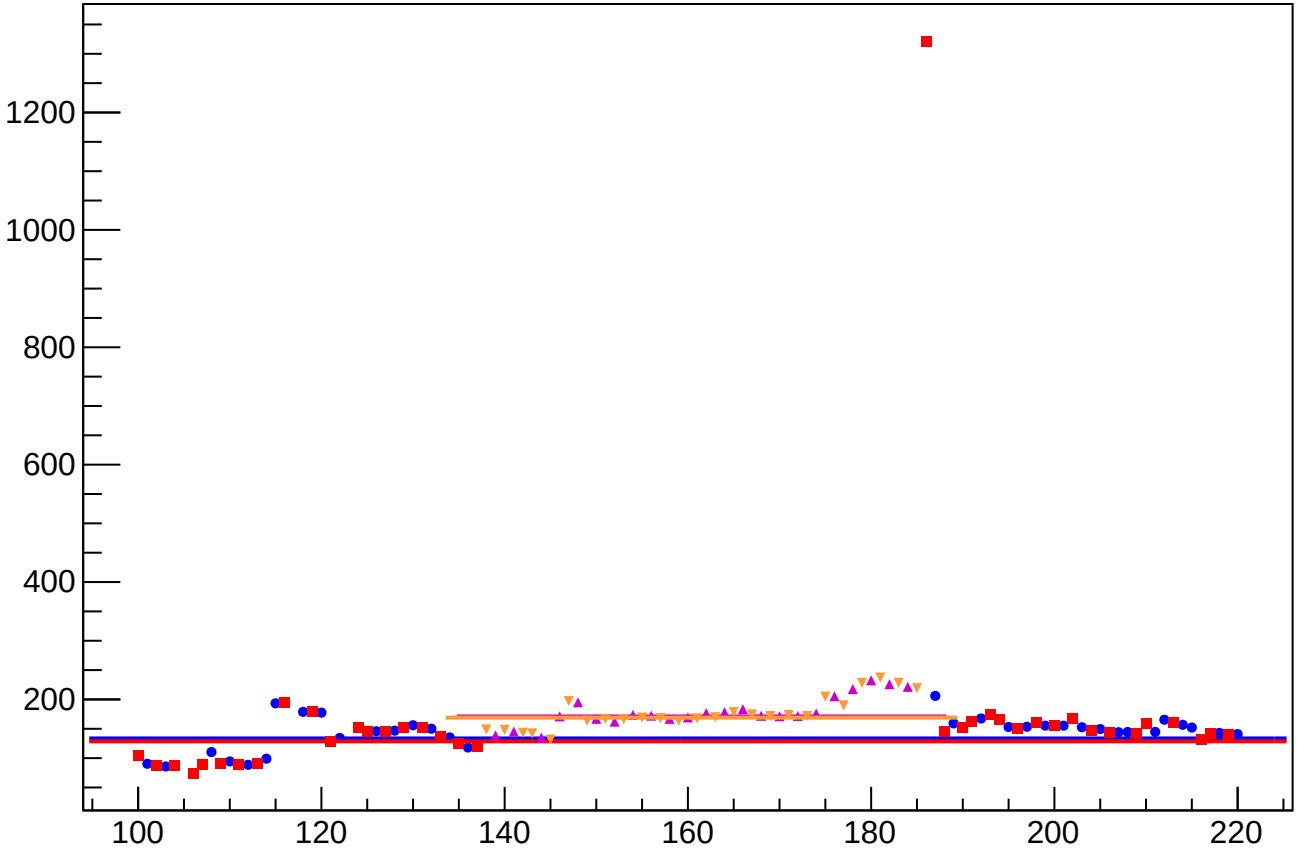
Right: 50.598+/-20.728 χ^2/NDF: 65.3/69

In: 84.464+/-23.976 χ^2/NDF:65.0/55

Out: 110.878+/-23.162 χ^2/NDF:69.1/61

All: 98.127+/-16.658 χ^2/NDF: 134.8/117

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 133.534+/-0.021 χ^2/NDF: 1820165.8/32

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 128.579+/-0.020 χ^2/NDF: 3025699.8/36

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

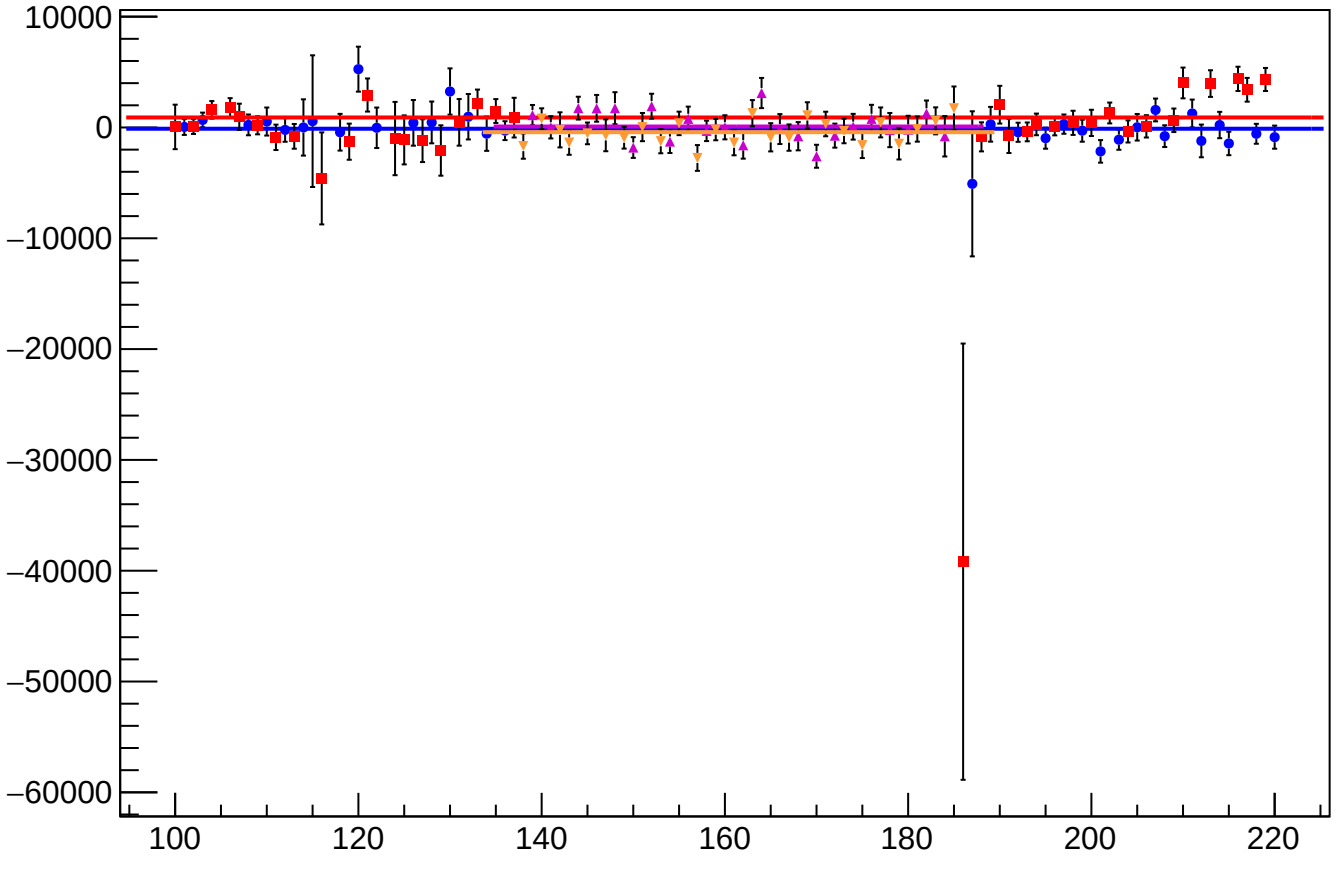
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 130.977+/-0.015 χ^2/NDF: 4874417.2/69

In: 146.748+/-0.017 χ^2/NDF:3614179.2/55

Out: 142.959+/-0.016 χ^2/NDF:5196166.7/61

All: 144.788+/-0.012 χ^2/NDF: 8836181.7/117



Right In: -113.791+/-197.447 χ^2/NDF: 26.5/32

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 902.107+/-190.616 χ^2/NDF: 71.8/36

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

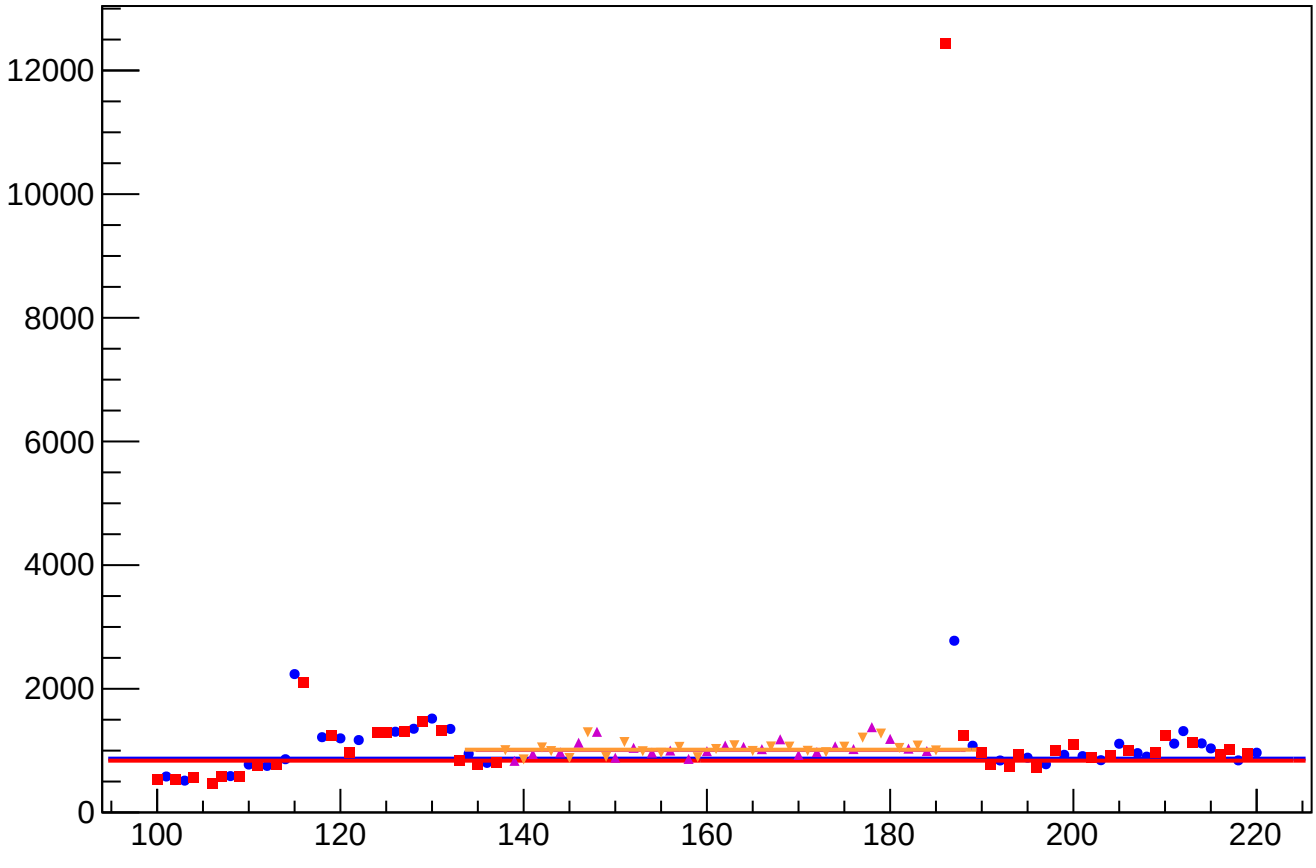
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 412.035+/-137.137 χ^2/NDF: 112.1/69

In: -32.207+/-152.001 χ^2/NDF:59.4/55

Out: 368.486+/-147.423 χ^2/NDF:109.7/61

All: 174.265+/-105.826 χ^2/NDF: 172.7/117



Right In: 870.216+/-0.140 χ^2/NDF: 2708905.2/32

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 837.680+/-0.135 χ^2/NDF: 3800667.5/36

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

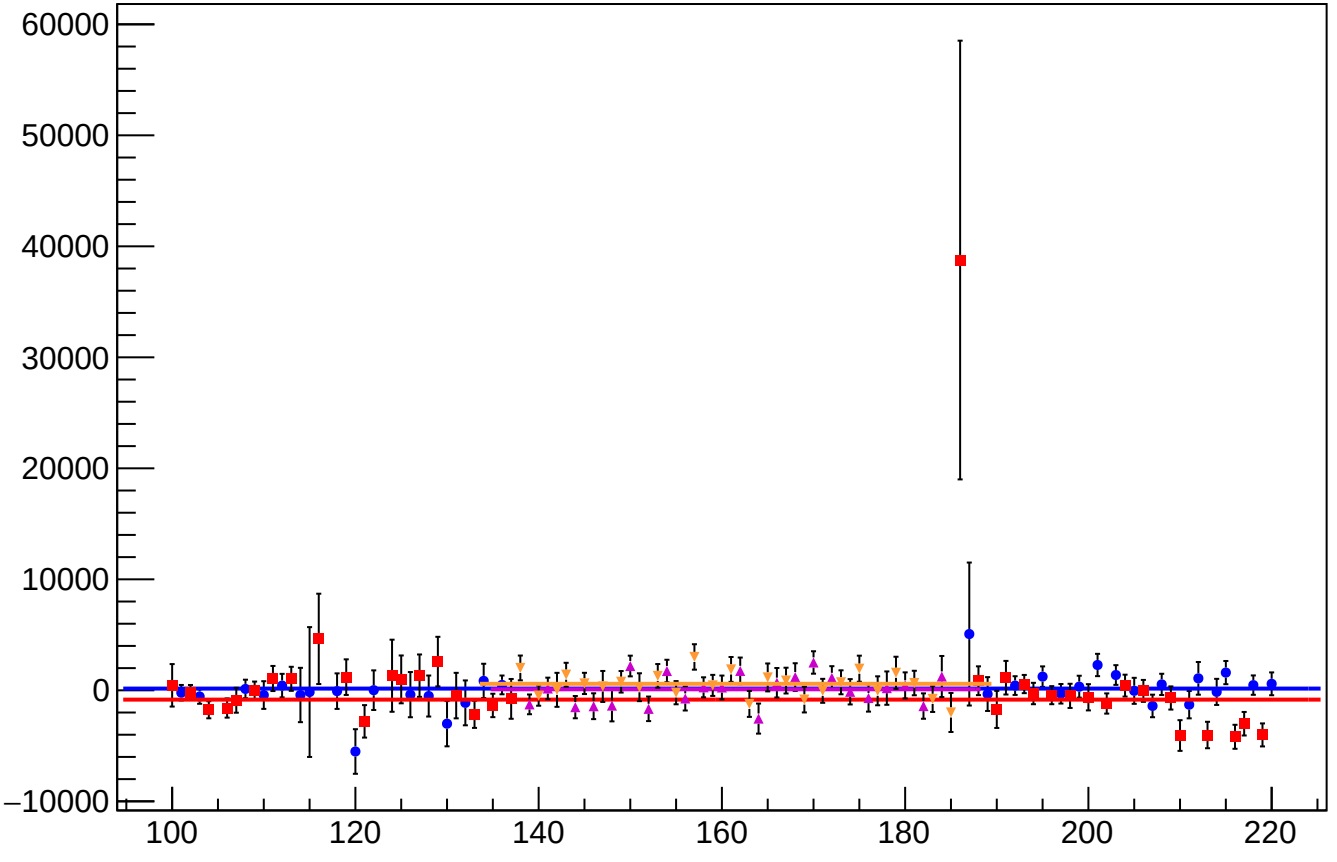
Right: 853.375+/-0.097 χ^2/NDF: 6537681.1/69

In: 927.025+/-0.107 χ^2/NDF:3614121.1/55

Out: 908.954+/-0.104 χ^2/NDF:4894482.8/61

All: 917.713+/-0.075 χ^2/NDF: 8523169.2/117

asym_sam5_mean vs Slug, Sign Corrected



Right In: 156.436+/-193.259 χ^2/NDF: 28.6/32

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -837.436+/-187.242 χ^2/NDF: 71.6/36

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

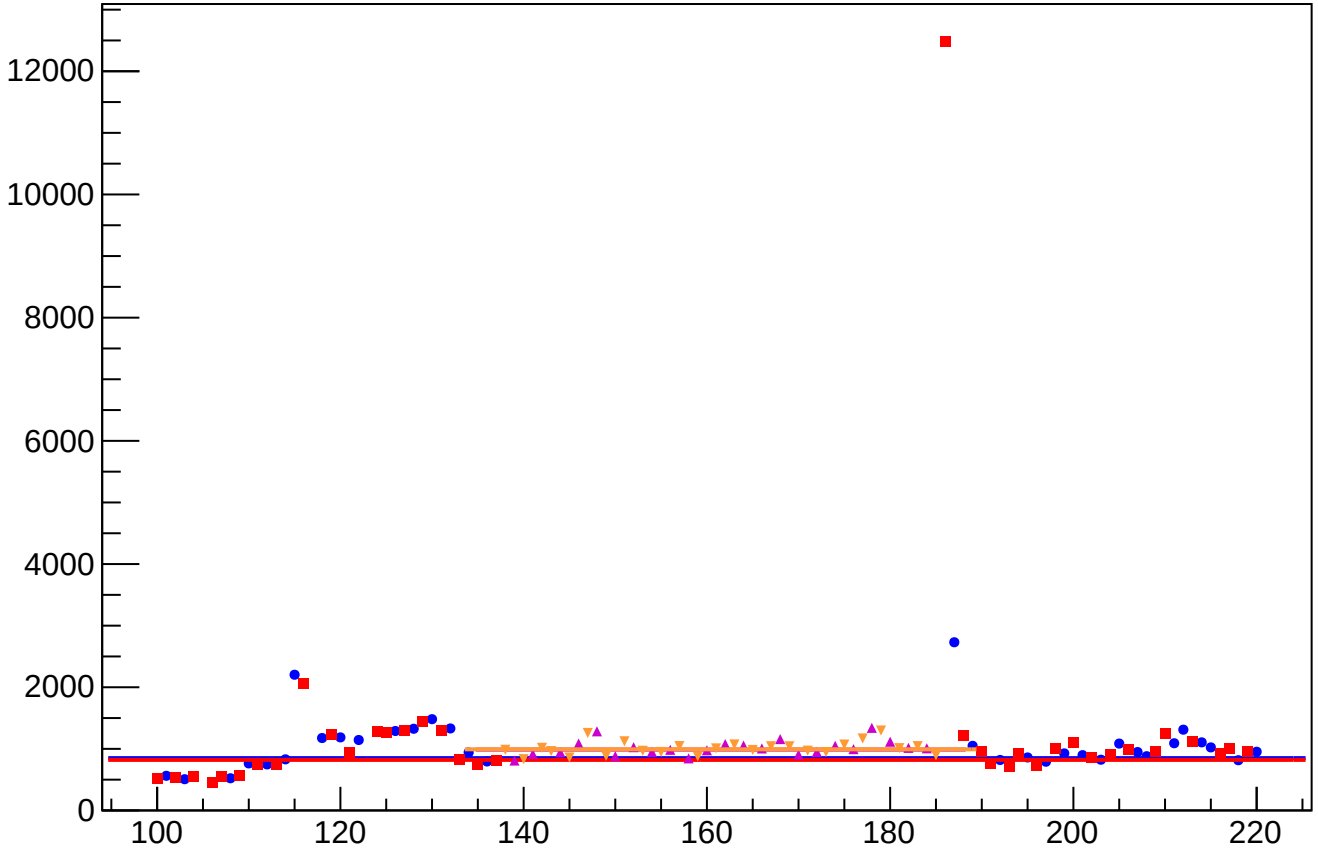
Right: -356.212+/-134.477 χ^2/NDF: 113.8/69

In: 130.457+/-148.755 χ^2/NDF:63.2/55

Out: -262.779+/-144.594 χ^2/NDF:115.7/61

All: -71.738+/-103.683 χ^2/NDF: 182.5/117

asym_sam5_rms vs Slug, Sign Corrected



Right In: 849.554+/-0.137 χ^2/NDF: 2855620.9/32

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 820.811+/-0.132 χ^2/NDF: 3925655.8/36

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

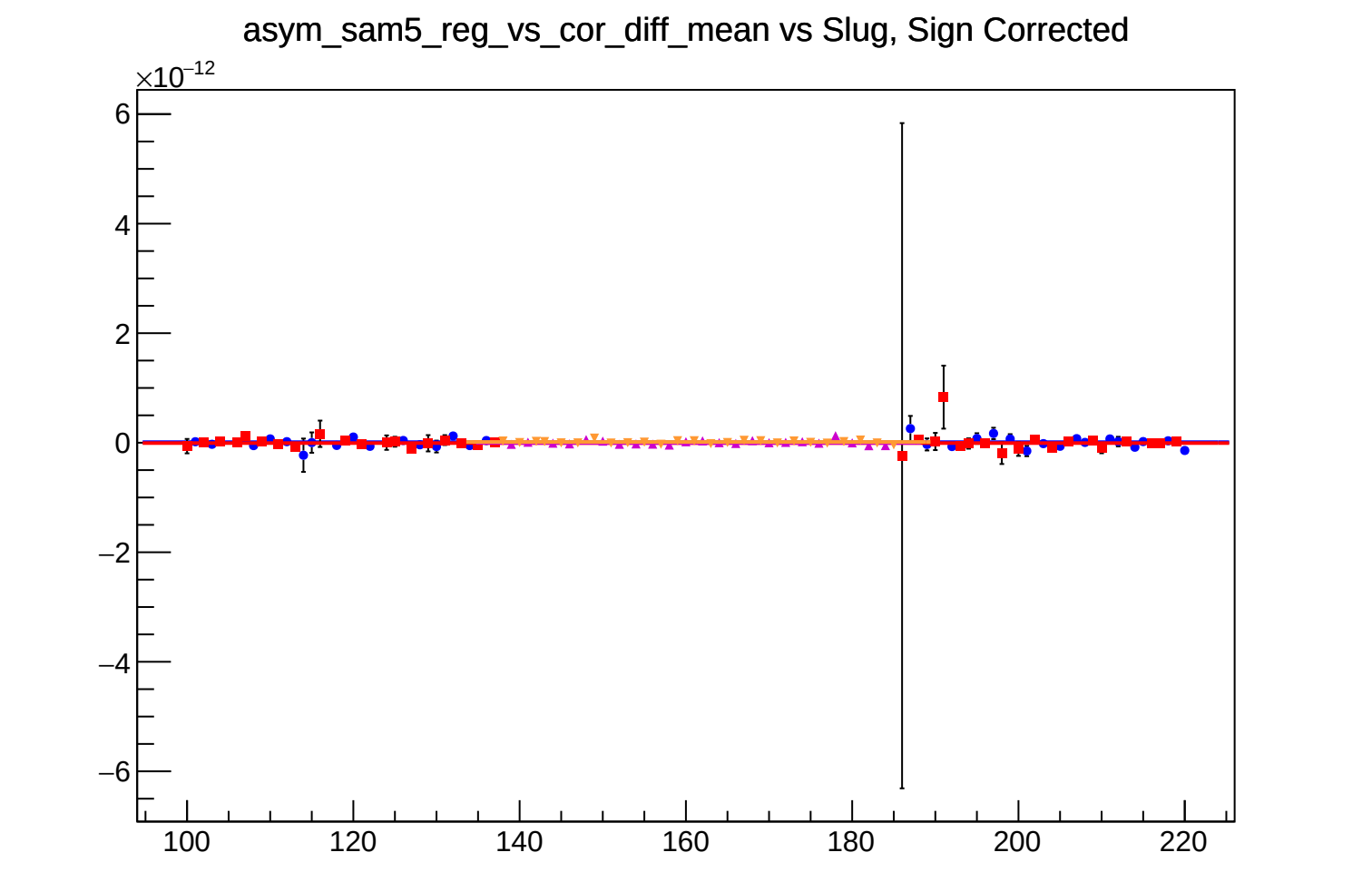
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 834.728+/-0.095 χ^2/NDF: 6804096.2/69

In: 905.887+/-0.105 χ^2/NDF:3760336.4/55

Out: 890.134+/-0.102 χ^2/NDF:5029713.6/61

All: 897.787+/-0.073 χ^2/NDF: 8801582.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 40.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/36

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

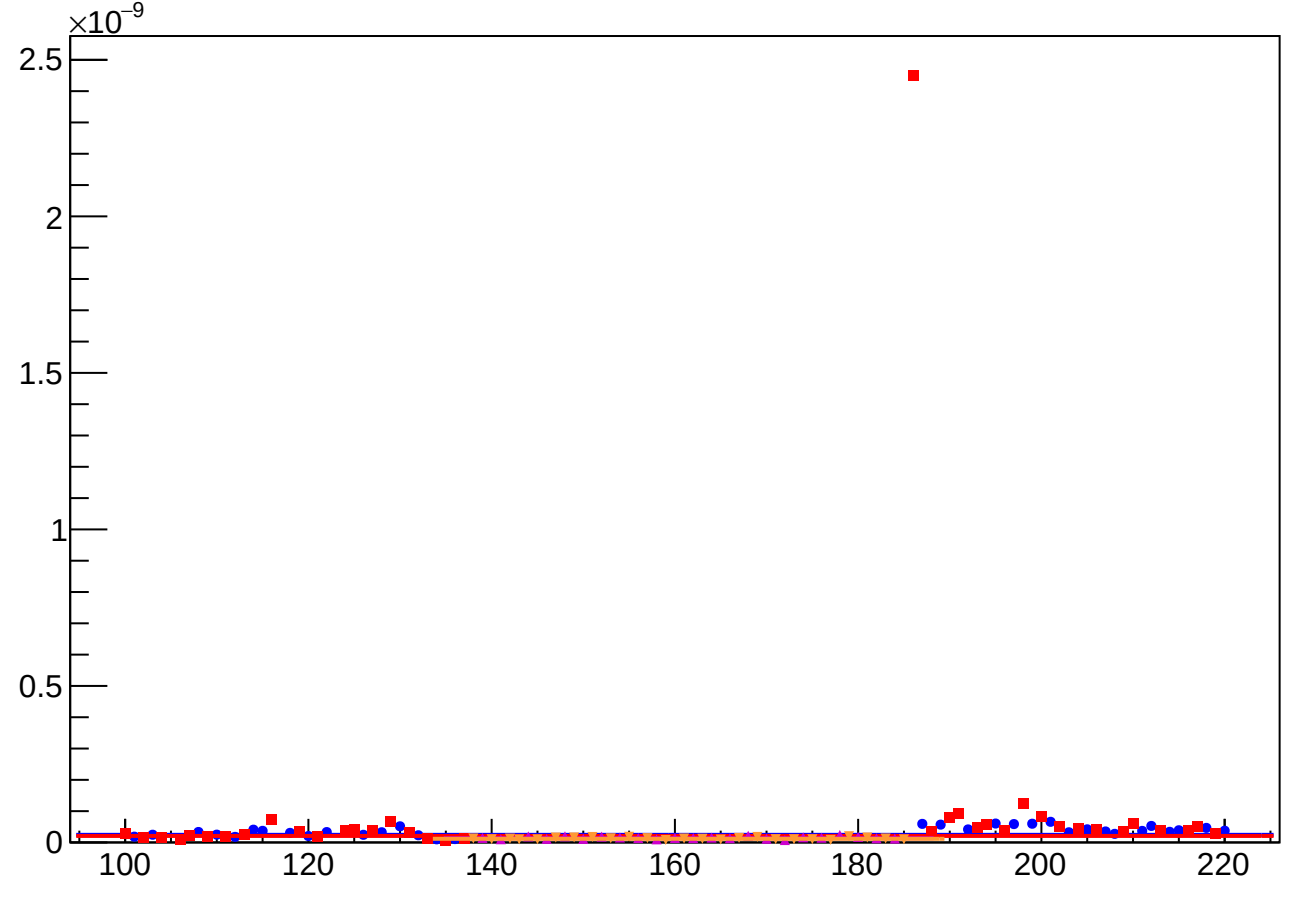
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 68.0/69

In: 0.000+/-0.000 χ^2/NDF:70.3/55

Out: 0.000+/-0.000 χ^2/NDF:53.1/61

All: 0.000+/-0.000 χ^2/NDF: 125.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 4611722.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7090911.6/36

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

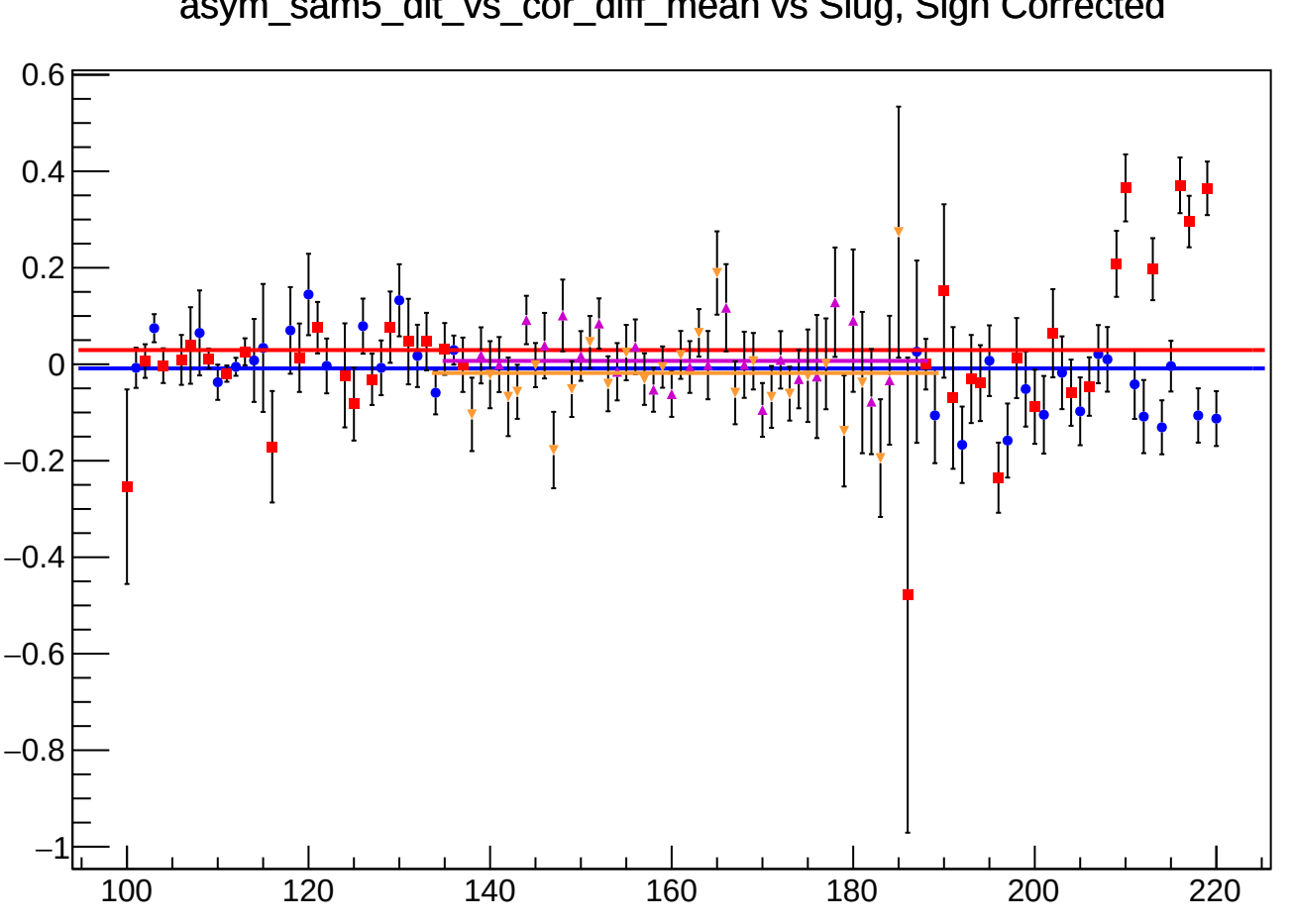
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11866053.5/69

In: 0.000+/-0.000 χ^2/NDF:7649735.1/55

Out: 0.000+/-0.000 χ^2/NDF:9711567.7/61

All: 0.000+/-0.000 χ^2/NDF: 17677427.5/117



Right In: -0.009+/-0.009 χ^2/NDF: 48.3/32

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

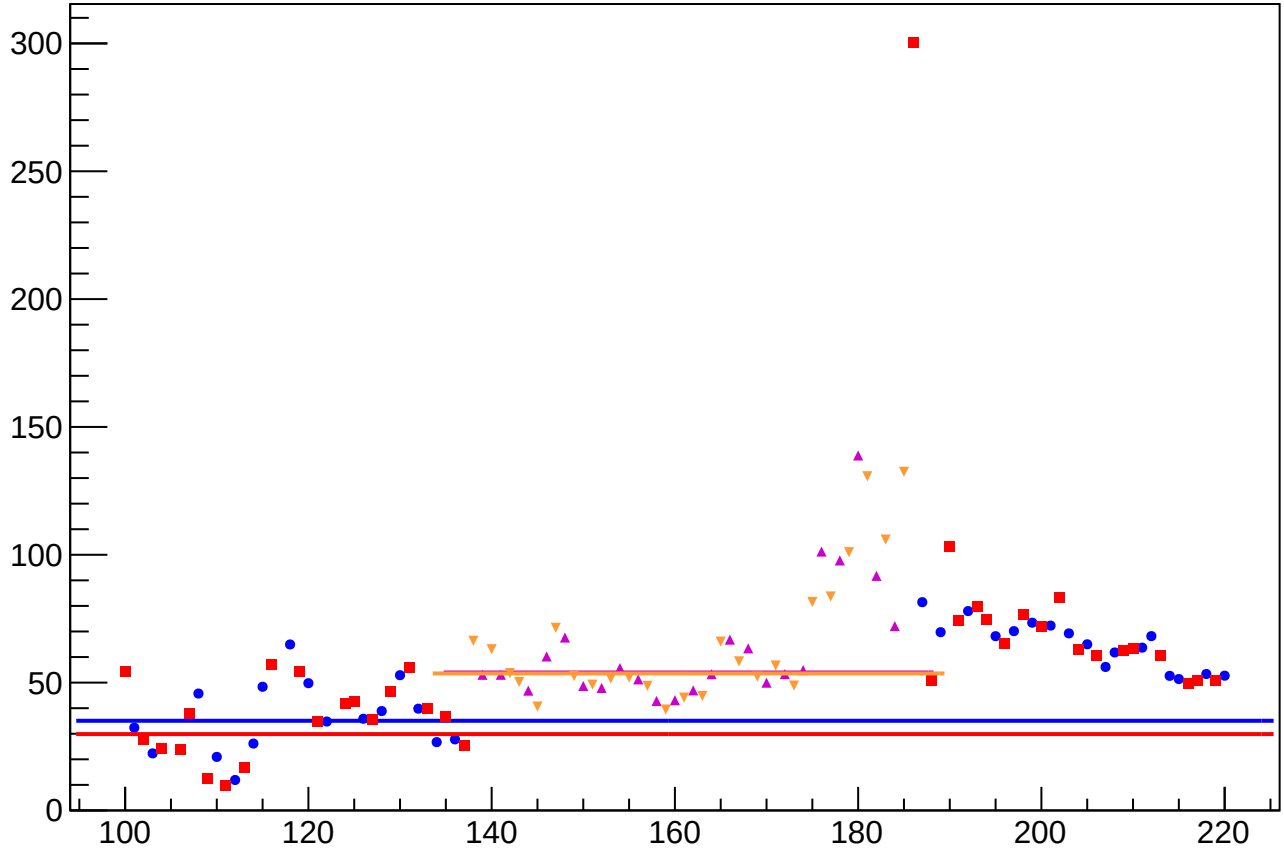
Right: 0.012+/-0.006 χ^2/NDF: 234.9/69

In: -0.004+/-0.007 χ^2/NDF:67.9/55

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.007+/-0.005 χ^2/NDF: 282.6/117

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.073+/-0.006 χ^2/NDF: 9973604.8/32

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

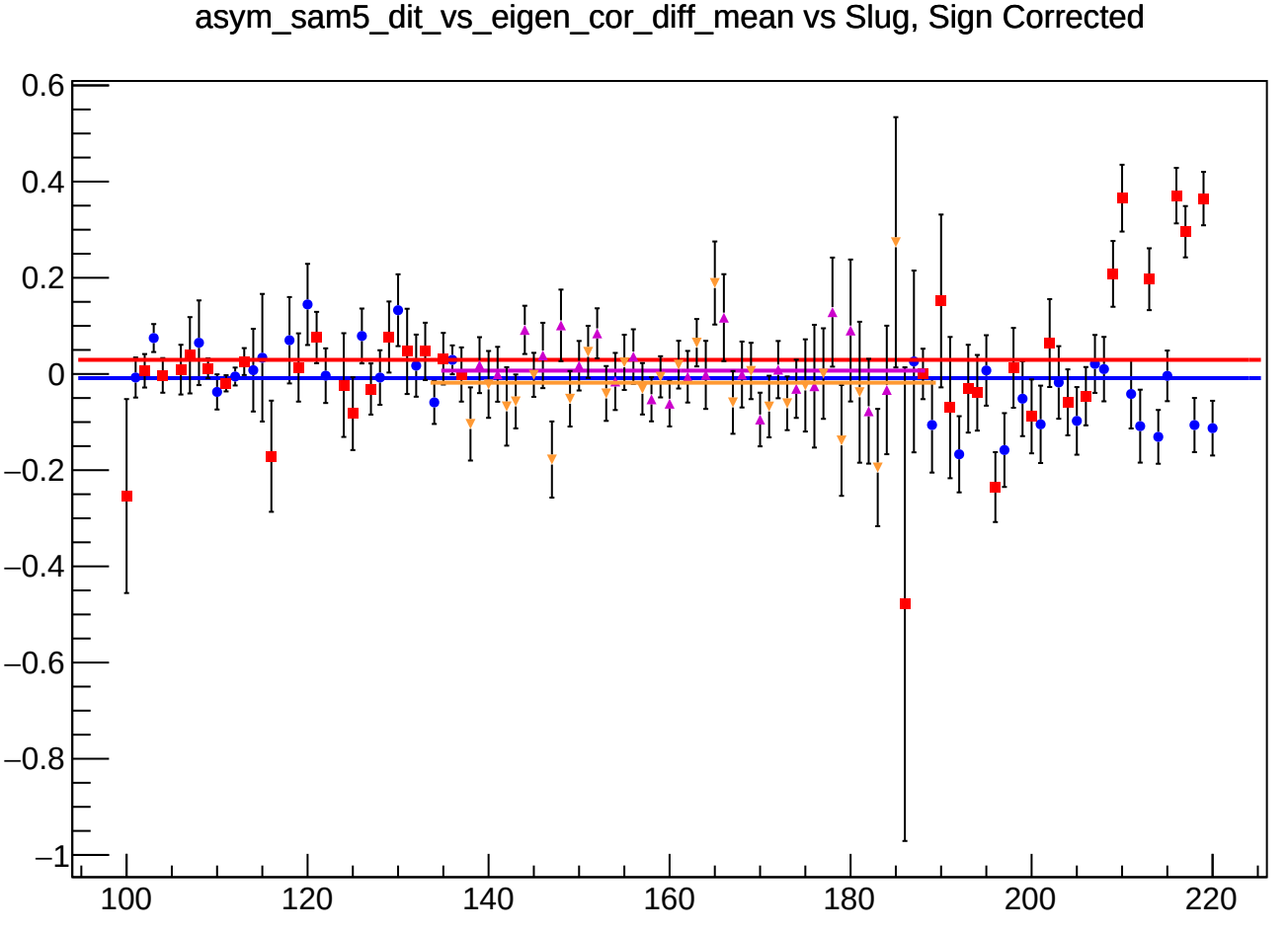
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 32.209+/-0.004 χ^2/NDF: 24267555.9/69

In: 41.041+/-0.005 χ^2/NDF:14817121.9/55

Out: 36.655+/-0.005 χ^2/NDF:21464968.7/61

All: 38.674+/-0.004 χ^2/NDF: 36659701.8/117



Right In: -0.009+/-0.009 χ^2/NDF: 48.3/32

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

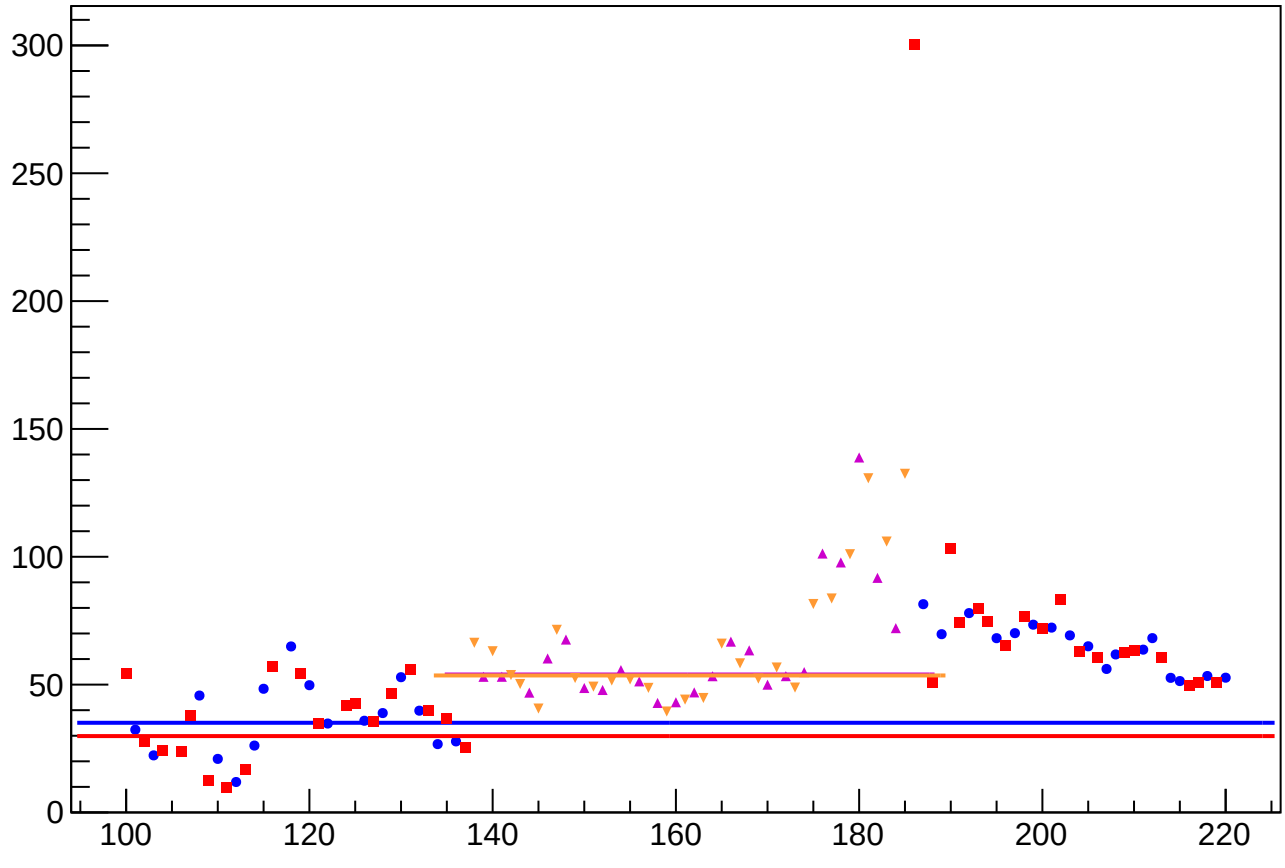
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.012+/-0.006 χ^2/NDF: 234.9/69

In: -0.004+/-0.007 χ^2/NDF:67.9/55

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.007+/-0.005 χ^2/NDF: 282.6/117



Right In: 35.073+/-0.006 χ^2/NDF: 9973604.8/32

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

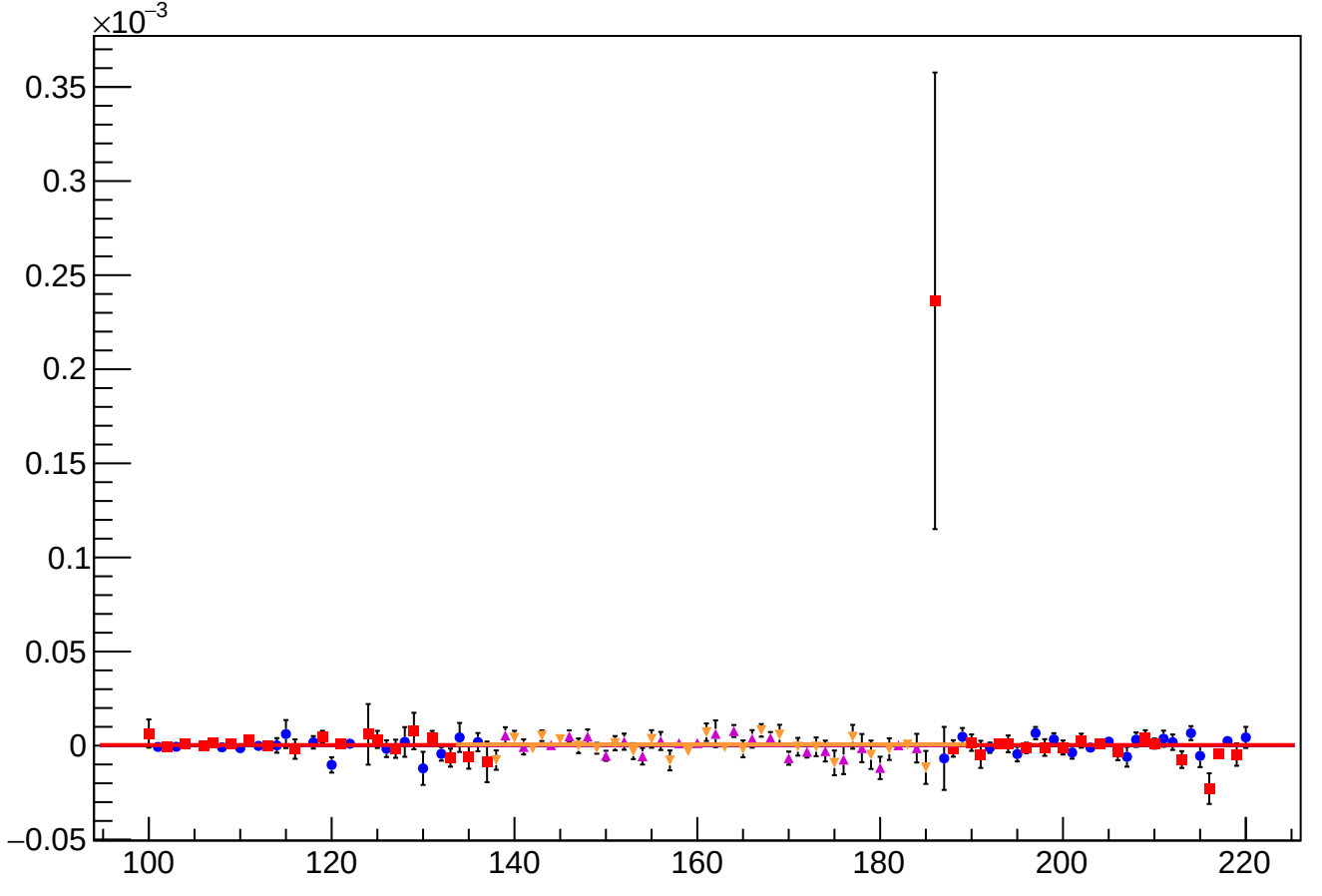
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 32.209+/-0.004 χ^2/NDF: 24267555.9/69

In: 41.041+/-0.005 χ^2/NDF:14817121.9/55

Out: 36.655+/-0.005 χ^2/NDF:21464968.7/61

All: 38.674+/-0.004 χ^2/NDF: 36659701.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/36

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

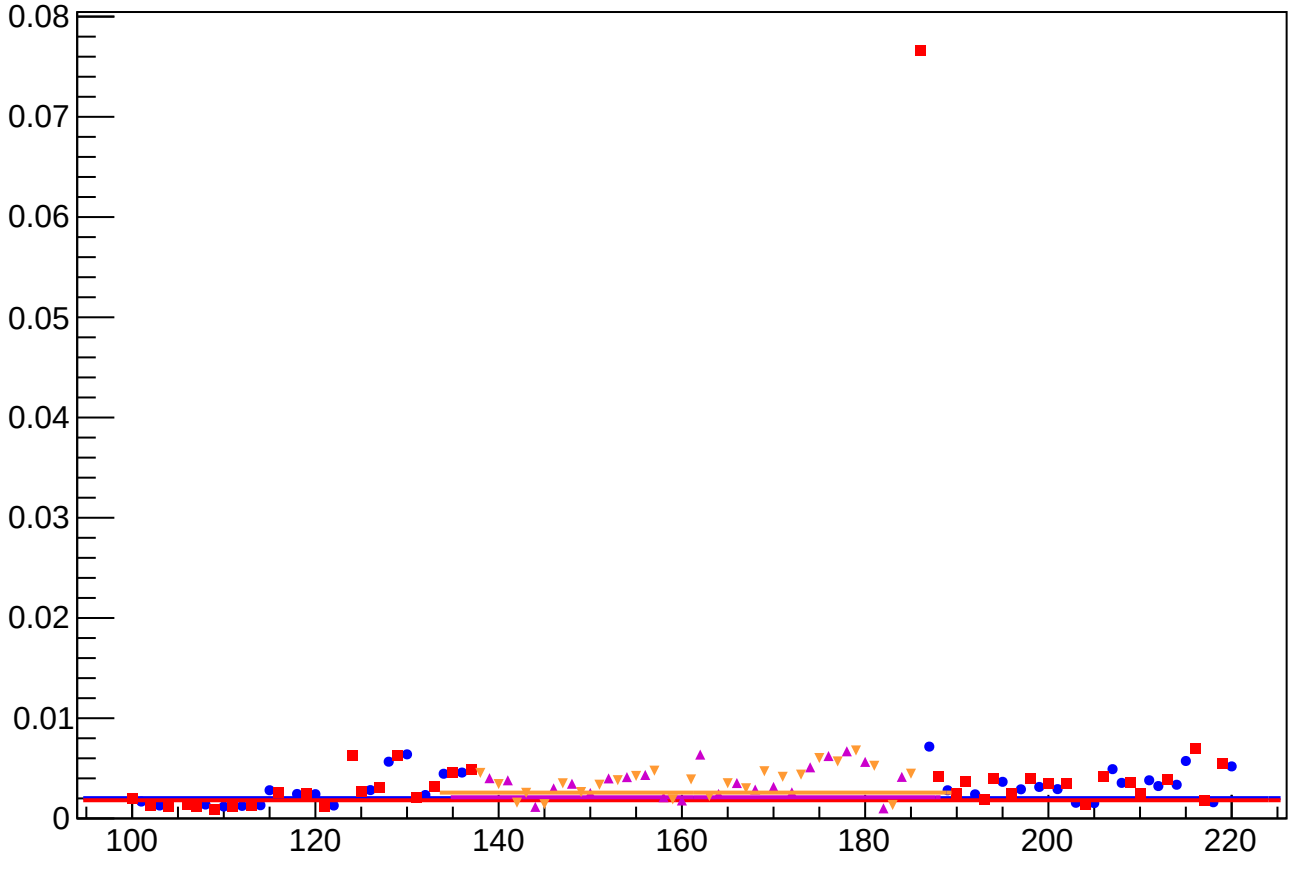
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 69.3/69

In: 0.000+/-0.000 χ^2/NDF:63.1/55

Out: 0.000+/-0.000 χ^2/NDF:68.3/61

All: 0.000+/-0.000 χ^2/NDF: 131.4/117



Right In: 0.002+/-0.000 χ^2/NDF: 8114408.6/32

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10599142.3/36

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

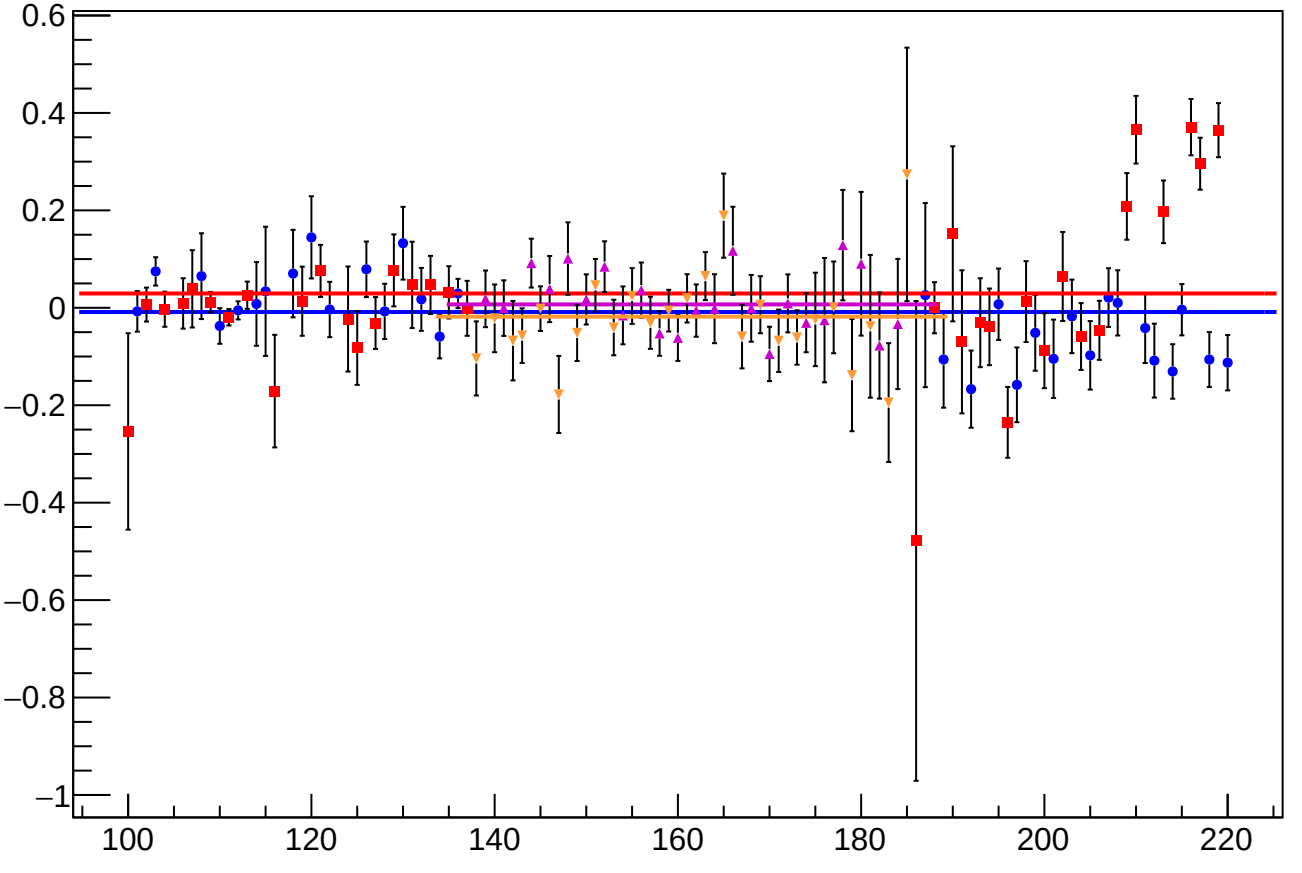
Right: 0.002+/-0.000 χ^2/NDF: 18898536.6/69

In: 0.002+/-0.000 χ^2/NDF:17626039.0/55

Out: 0.002+/-0.000 χ^2/NDF:19474484.7/61

All: 0.002+/-0.000 χ^2/NDF: 37100572.1/117

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.009 χ^2/NDF: 48.3/32

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

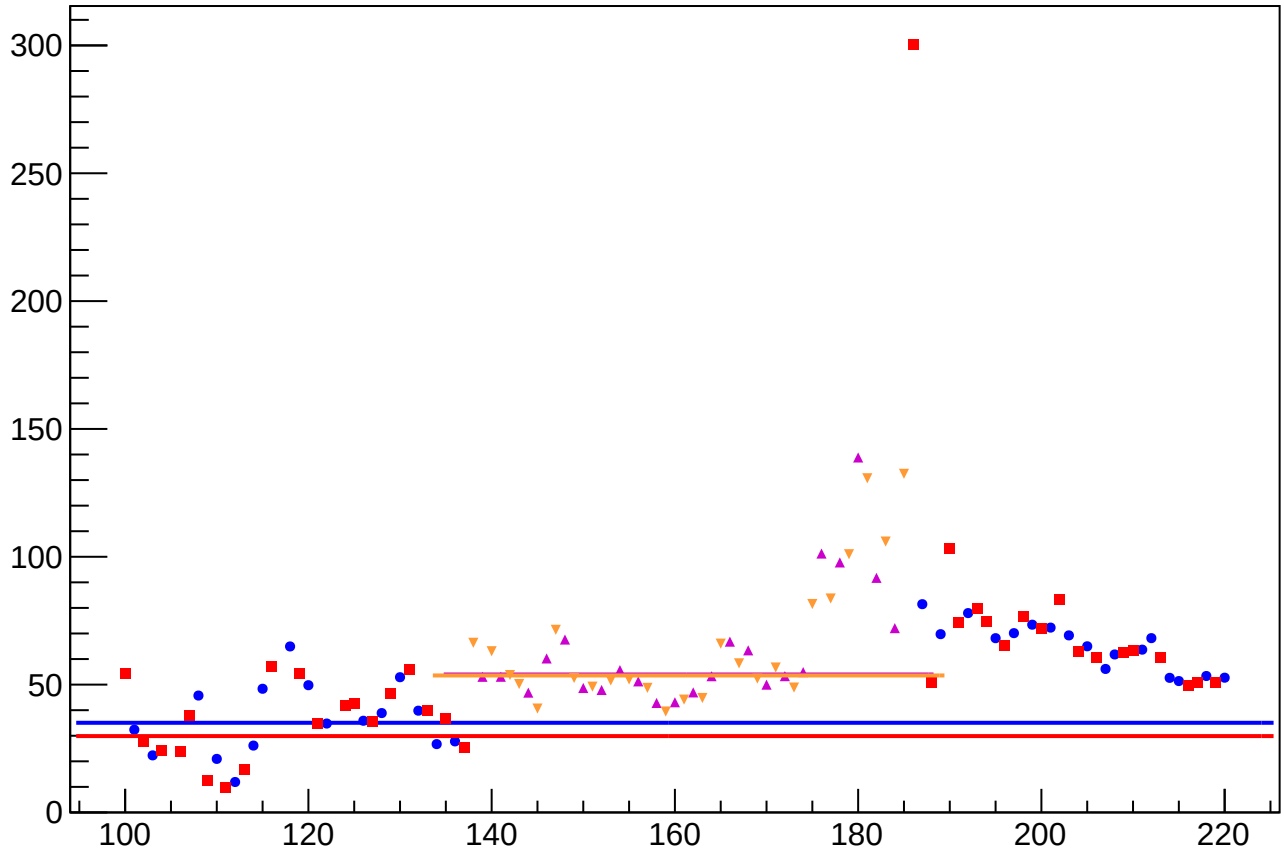
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.012+/-0.006 χ^2/NDF: 234.9/69

In: -0.004+/-0.007 χ^2/NDF:67.9/55

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.007+/-0.005 χ^2/NDF: 282.6/117



Right In: 35.072+/-0.006 χ^2/NDF: 9973748.9/32

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

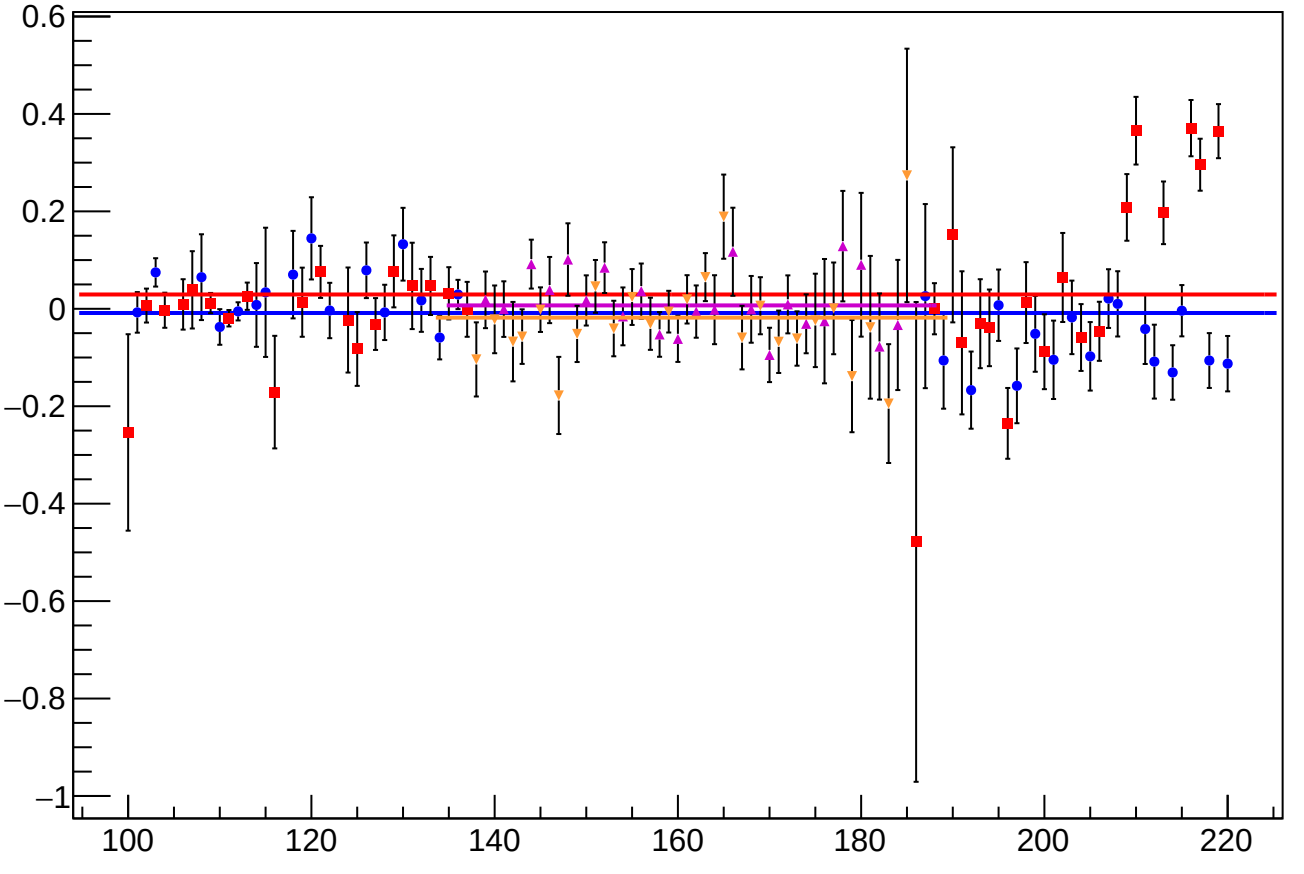
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 32.208+/-0.004 χ^2/NDF: 24267946.2/69

In: 41.041+/-0.005 χ^2/NDF:14817618.7/55

Out: 36.654+/-0.005 χ^2/NDF:21465680.3/61

All: 38.673+/-0.004 χ^2/NDF: 36660937.0/117



Right In: -0.009+/-0.009 χ^2/NDF: 48.3/32

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.029+/-0.008 χ^2/NDF: 176.7/36

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

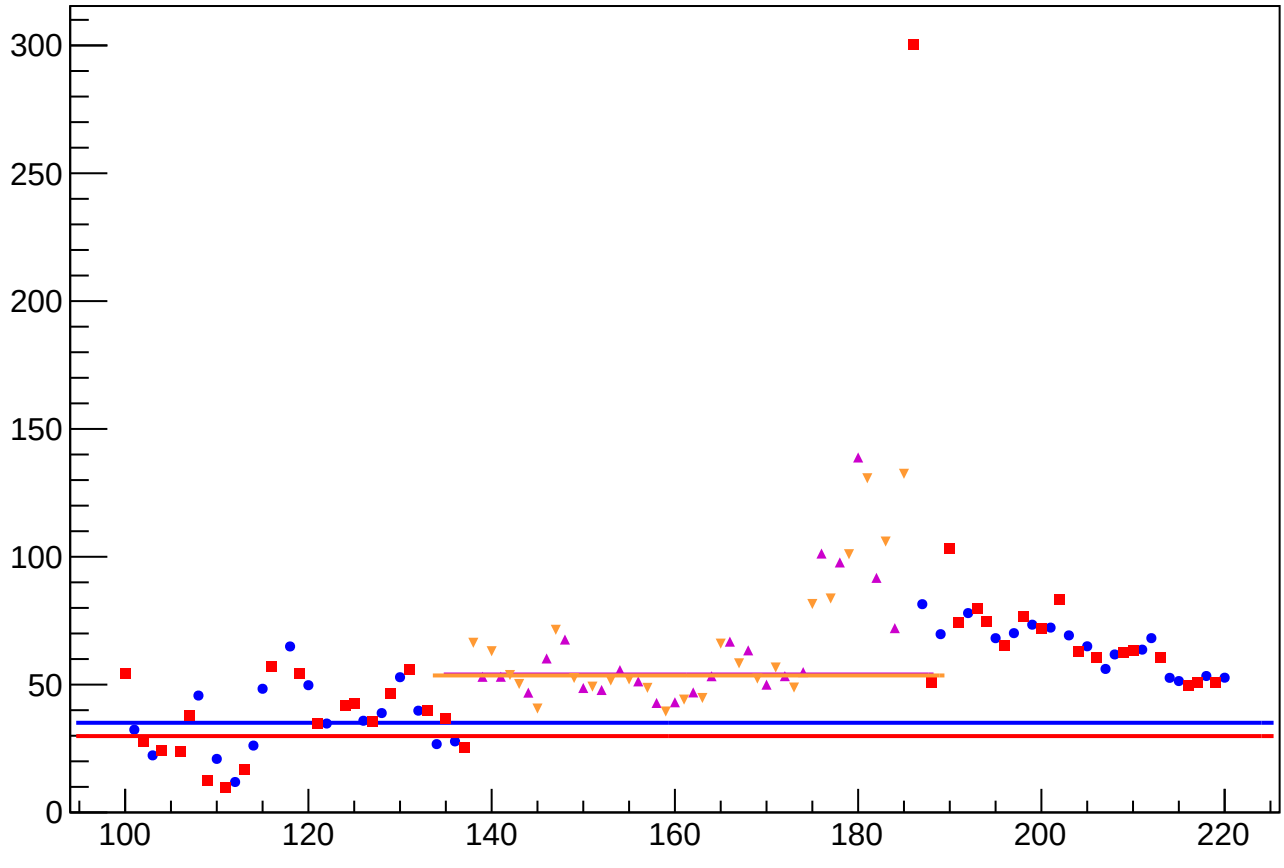
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.012+/-0.006 χ^2/NDF: 234.9/69

In: -0.004+/-0.007 χ^2/NDF:67.9/55

Out: 0.016+/-0.007 χ^2/NDF:210.9/61

All: 0.007+/-0.005 χ^2/NDF: 282.6/117



Right In: 35.072+/-0.006 χ^2/NDF: 9973748.9/32

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

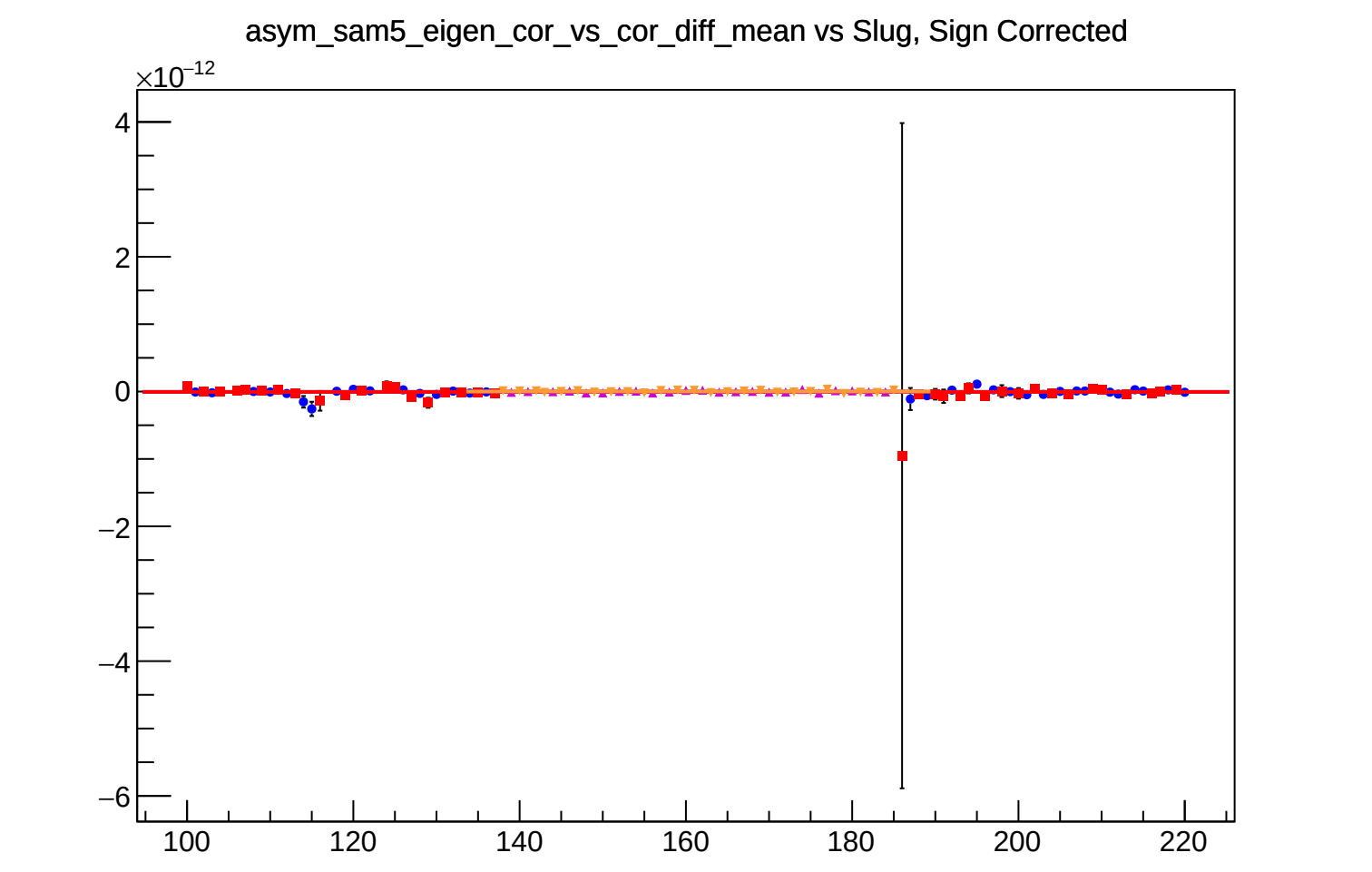
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 32.208+/-0.004 χ^2/NDF: 24267946.2/69

In: 41.041+/-0.005 χ^2/NDF:14817618.7/55

Out: 36.654+/-0.005 χ^2/NDF:21465680.3/61

All: 38.673+/-0.004 χ^2/NDF: 36660937.0/117



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.3/36

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

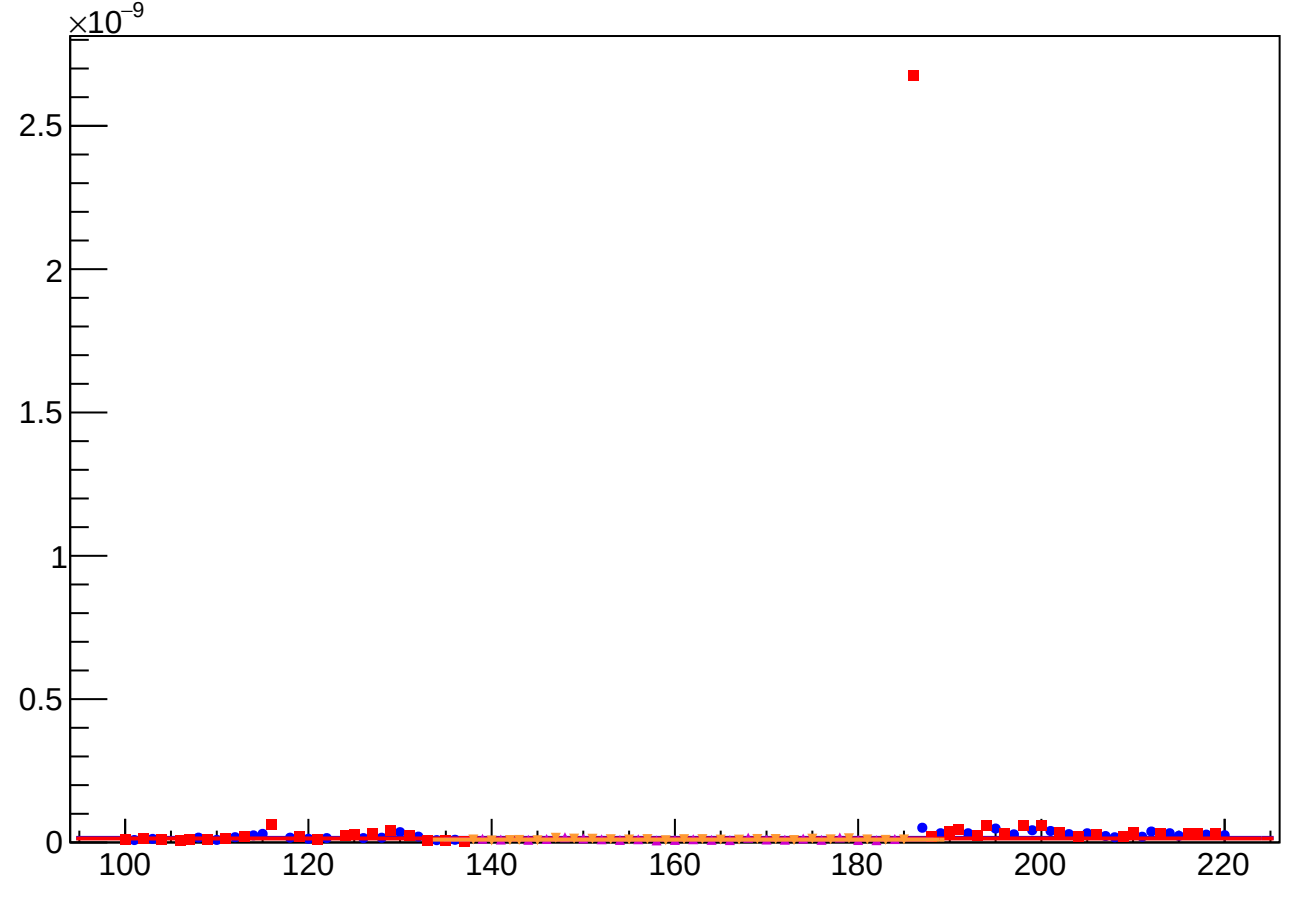
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 66.0/69

In: -0.000+/-0.000 χ^2/NDF:43.5/55

Out: -0.000+/-0.000 χ^2/NDF:70.2/61

All: -0.000+/-0.000 χ^2/NDF: 113.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 6431187.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10191052.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

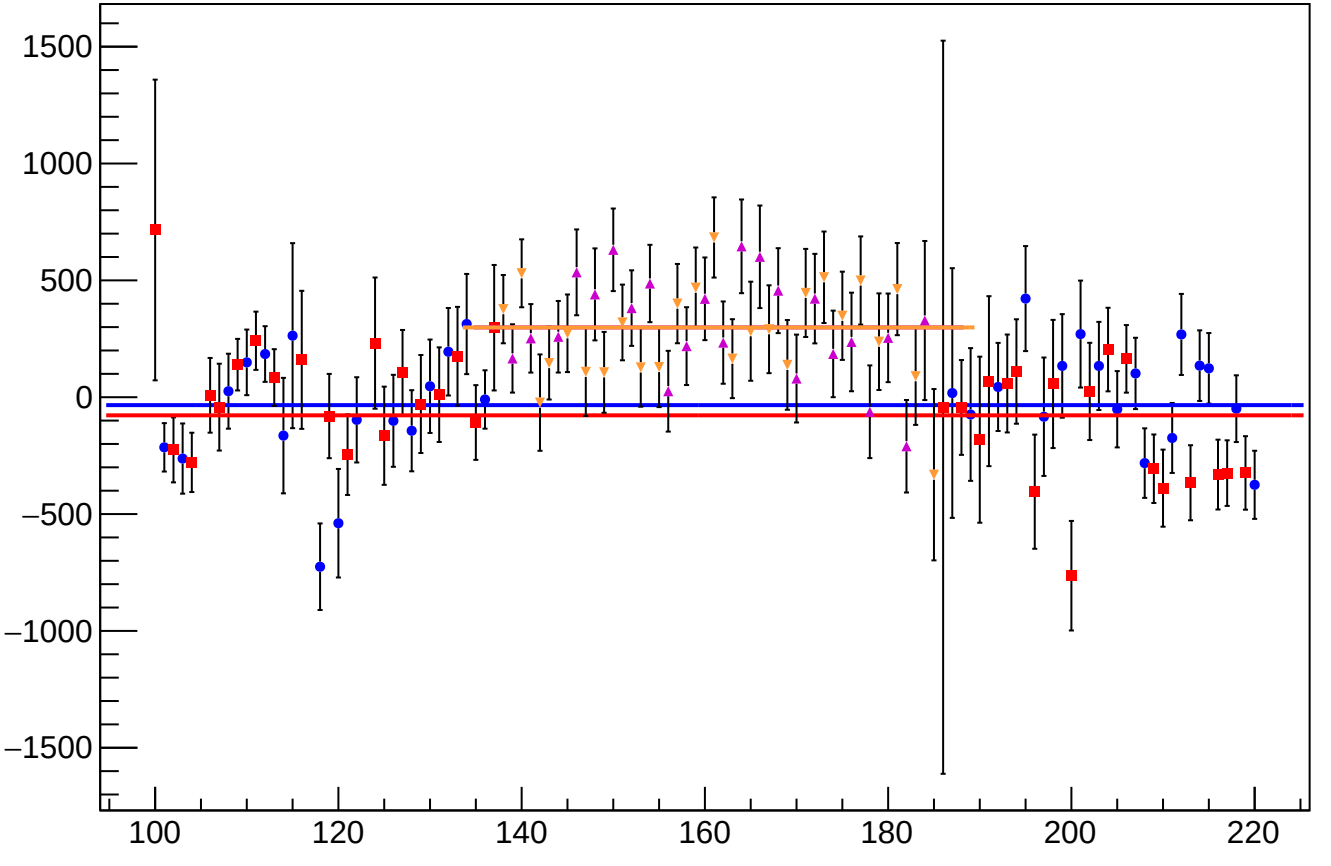
Right: 0.000+/-0.000 χ^2/NDF: 16804313.5/69

In: 0.000+/-0.000 χ^2/NDF:9705975.1/55

Out: 0.000+/-0.000 χ^2/NDF:12489490.1/61

All: 0.000+/-0.000 χ^2/NDF: 22300931.7/117

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -33.844+/-29.734 χ^2/NDF: 57.8/32

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -77.512+/-29.443 χ^2/NDF: 60.5/36

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

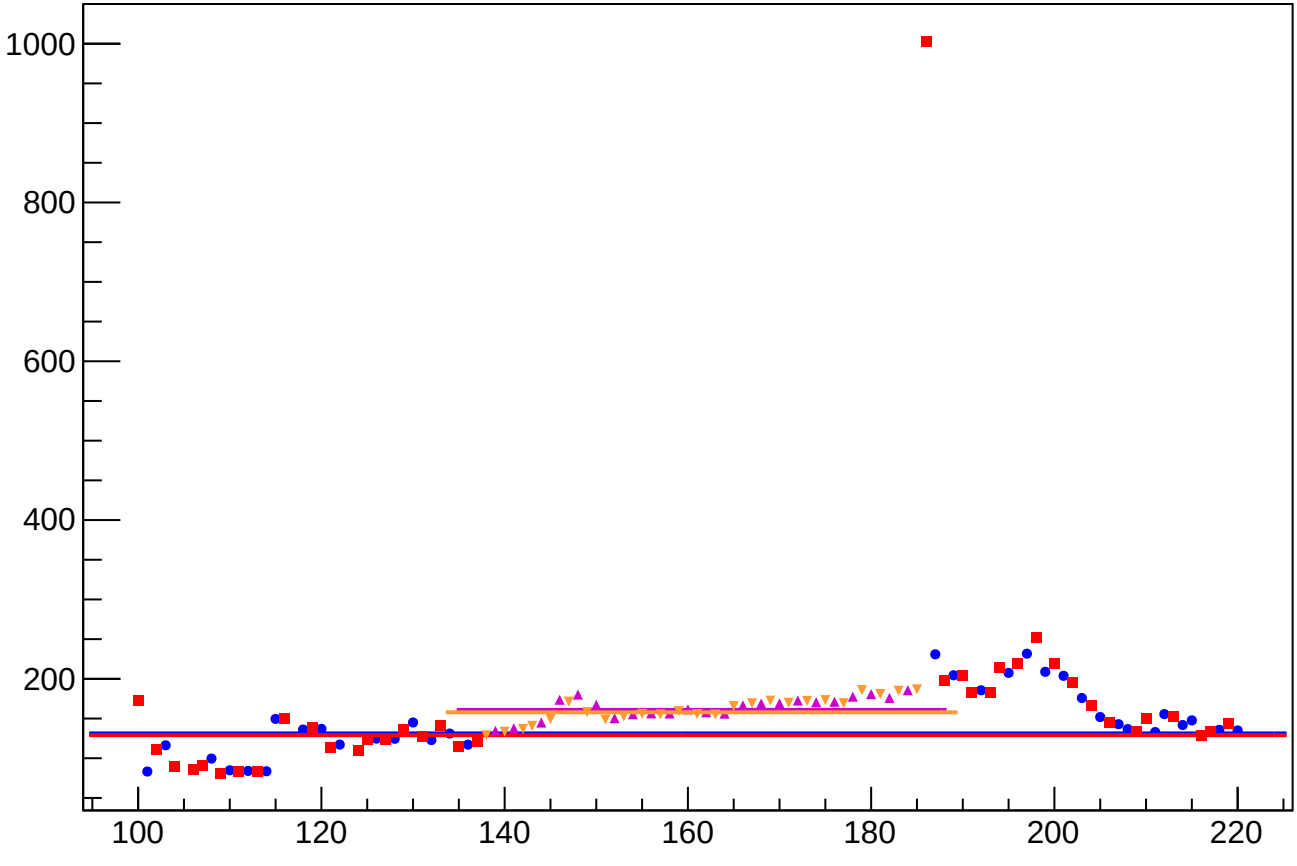
Right: -55.893+/-20.921 χ^2/NDF: 119.4/69

In: 93.563+/-23.353 χ^2/NDF:135.2/55

Out: 72.944+/-22.804 χ^2/NDF:151.7/61

All: 83.008+/-16.315 χ^2/NDF: 287.3/117

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 131.241+/-0.021 χ^2/NDF: 2792439.5/32

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.086+/-0.021 χ^2/NDF: 4268901.9/36

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

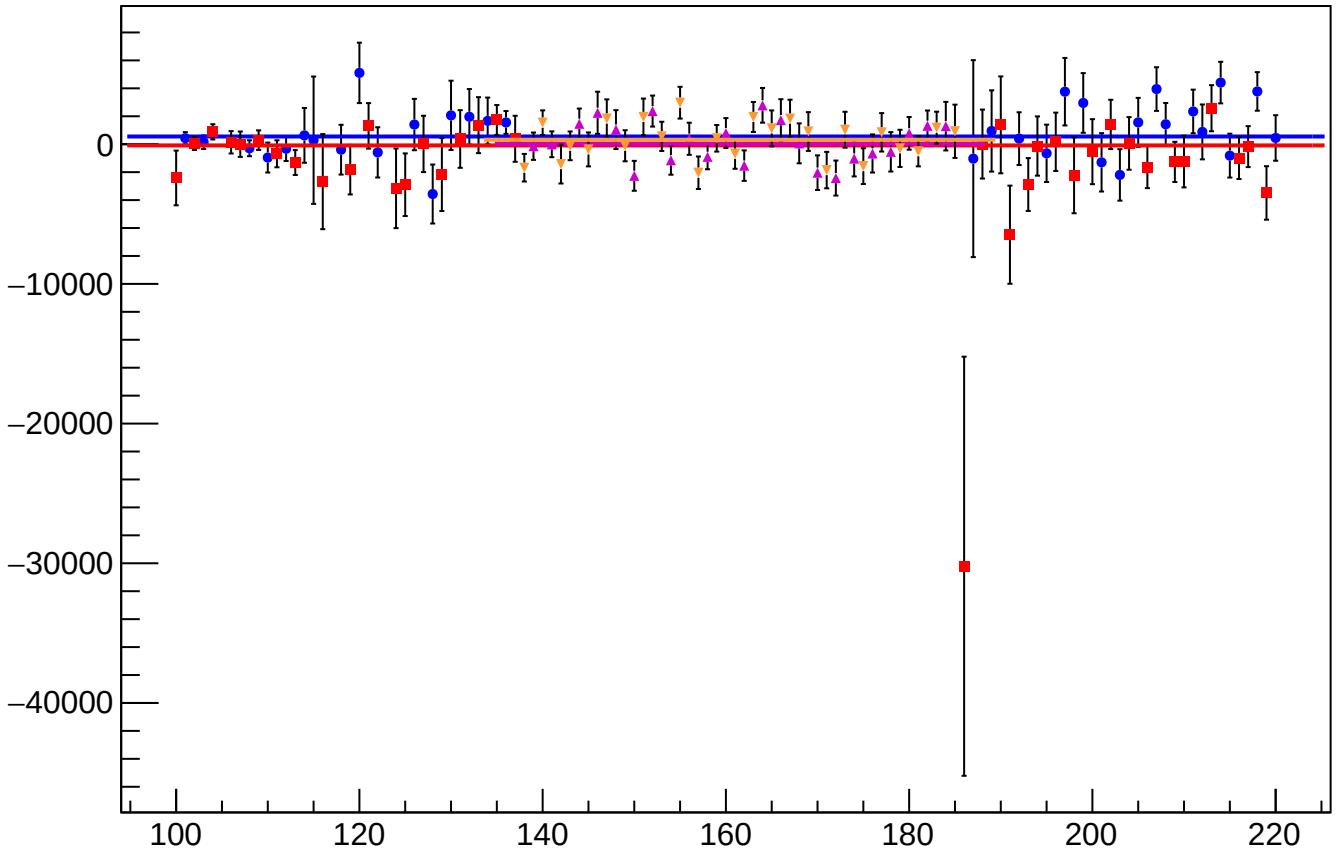
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.152+/-0.015 χ^2/NDF: 7066646.7/69

In: 142.595+/-0.017 χ^2/NDF:3821925.6/55

Out: 140.589+/-0.016 χ^2/NDF:5409180.4/61

All: 141.568+/-0.012 χ^2/NDF: 9238657.9/117



Right In: 552.447+/-204.303 χ^2/NDF: 44.1/32

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -85.696+/-207.149 χ^2/NDF: 35.9/36

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

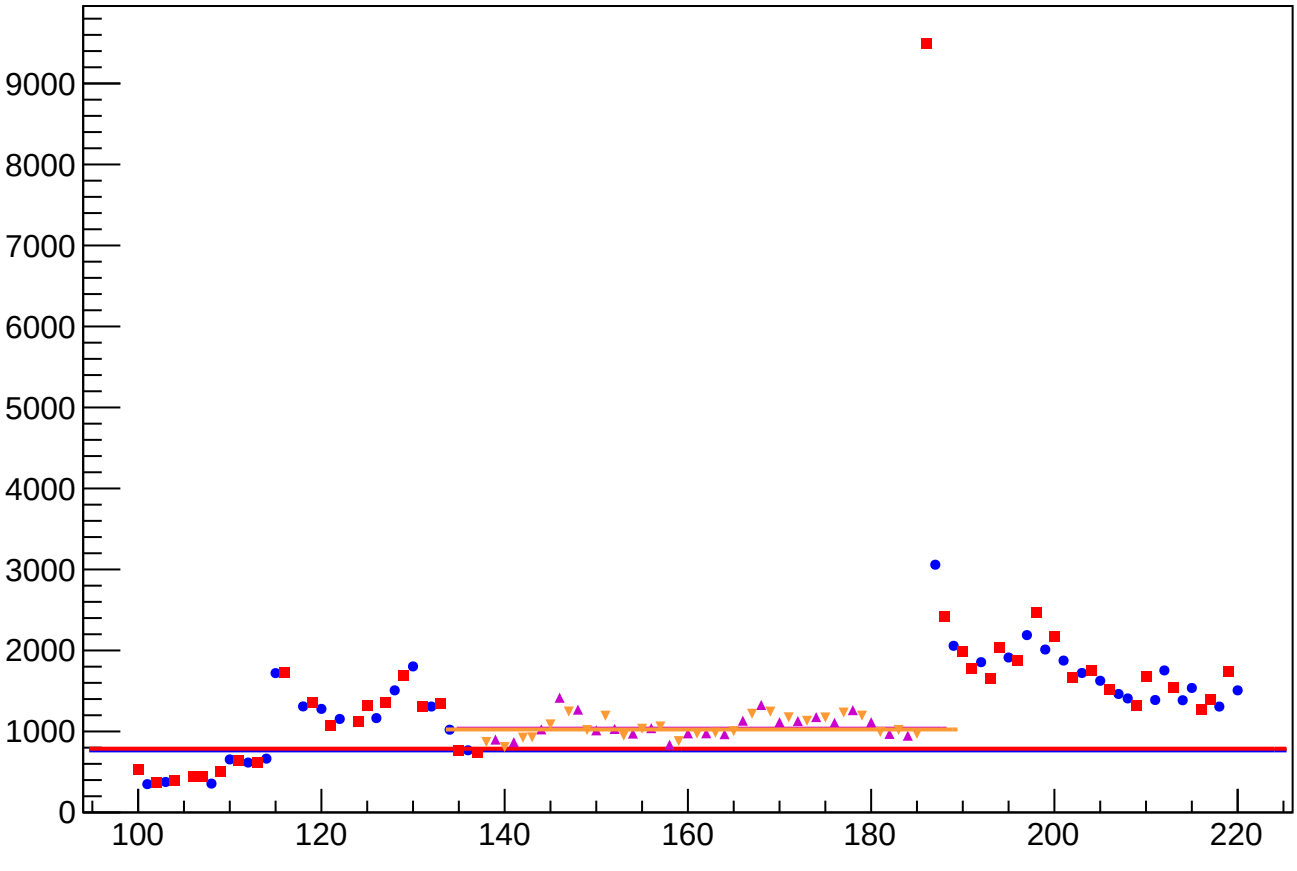
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 237.788+/-145.460 χ^2/NDF: 84.8/69

In: 341.075+/-156.685 χ^2/NDF:81.5/55

Out: 91.603+/-155.419 χ^2/NDF:70.1/61

All: 215.327+/-110.343 χ^2/NDF: 152.8/117



Right In: 766.323+/-0.144 χ^2/NDF: 13603853.6/32

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 787.279+/-0.146 χ^2/NDF: 13741708.3/36

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

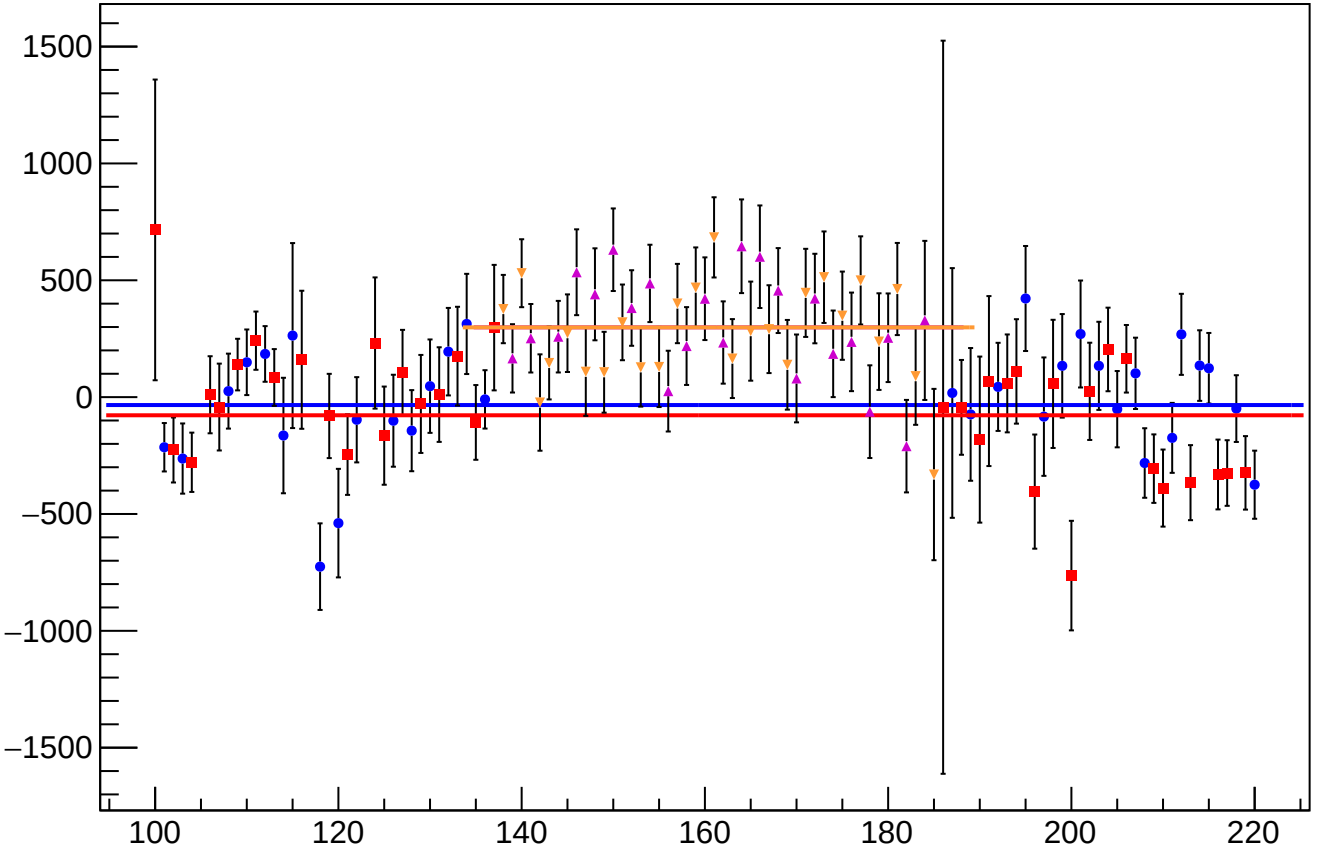
Right: 776.656+/-0.103 χ^2/NDF: 27355937.2/69

In: 876.737+/-0.111 χ^2/NDF:15650749.8/55

Out: 890.961+/-0.110 χ^2/NDF:15485669.7/61

All: 883.907+/-0.078 χ^2/NDF: 31144727.7/11

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -33.855+/-29.734 χ^2/NDF: 57.8/32

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -77.645+/-29.473 χ^2/NDF: 60.5/36

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

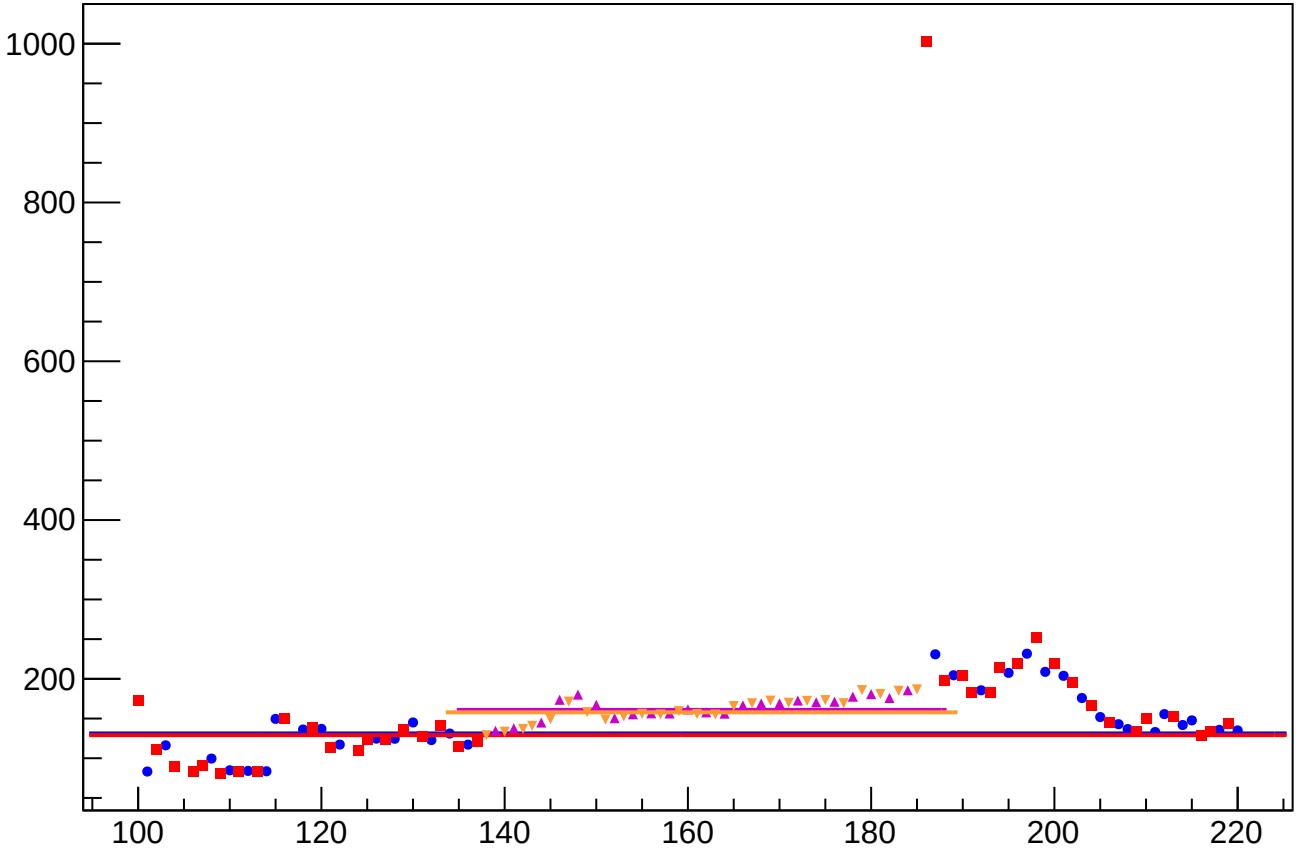
Right: -55.943+/-20.932 χ^2/NDF: 119.4/69

In: 93.558+/-23.353 χ^2/NDF:135.2/55

Out: 73.052+/-22.818 χ^2/NDF:151.7/61

All: 83.068+/-16.321 χ^2/NDF: 287.3/117

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 131.241+/-0.021 χ^2/NDF: 2792437.2/32

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

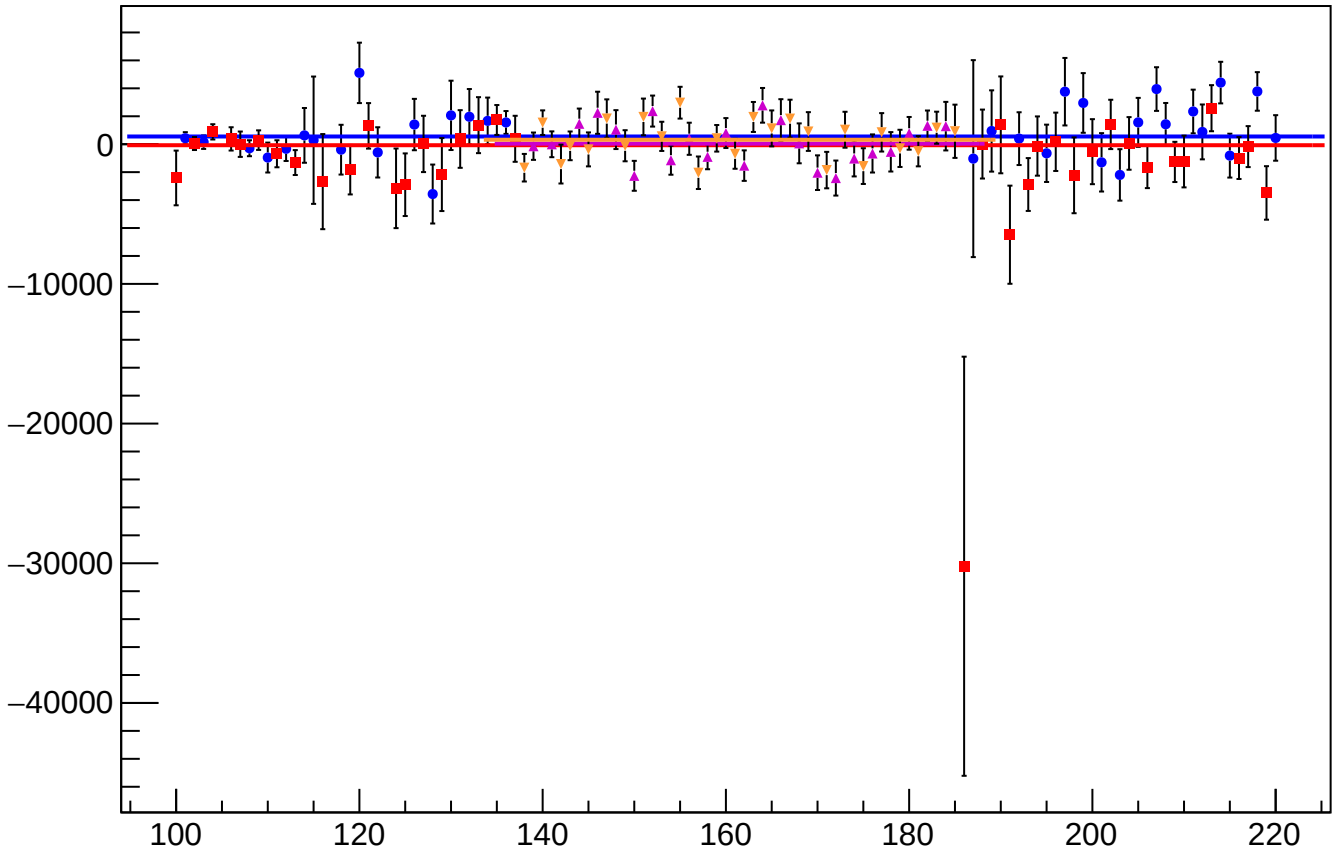
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.148+/-0.015 χ^2/NDF: 7078558.3/69

In: 142.595+/-0.017 χ^2/NDF:3821921.4/55

Out: 140.597+/-0.016 χ^2/NDF:5421014.0/61

All: 141.573+/-0.012 χ^2/NDF: 9250426.7/117



Right In: 552.544+/-204.299 χ^2/NDF: 44.1/32

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -72.289+/-207.593 χ^2/NDF: 36.1/36

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

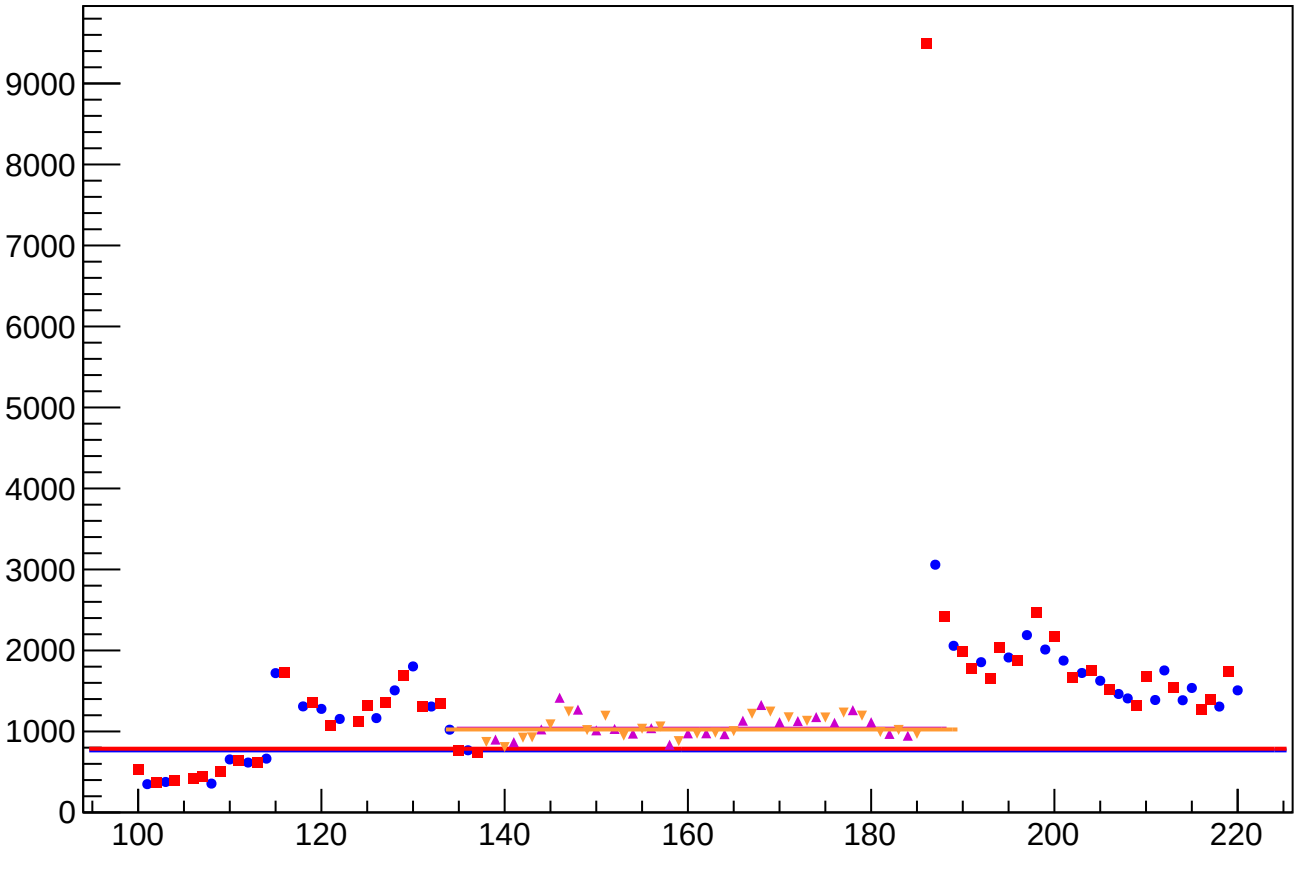
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 245.125+/-145.612 χ^2/NDF: 84.8/69

In: 341.138+/-156.683 χ^2/NDF:81.5/55

Out: 99.567+/-155.607 χ^2/NDF:70.2/61

All: 219.520+/-110.409 χ^2/NDF: 152.9/117



Right In: 766.295+/-0.144 χ^2/NDF: 13604551.5/32

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

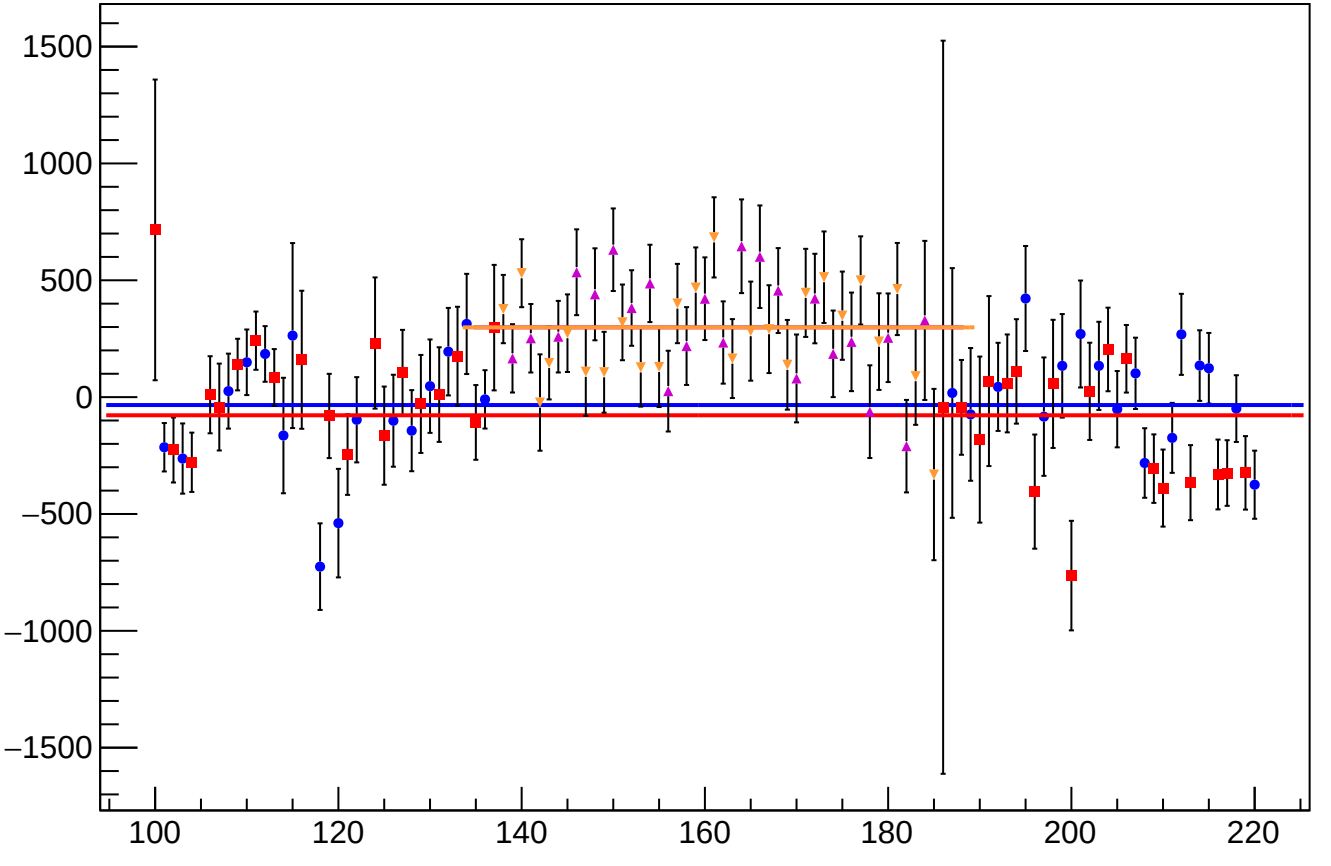
Right: 776.478+/-0.103 χ^2/NDF: 27392222.9/69

In: 876.717+/-0.111 χ^2/NDF:15651772.9/55

Out: 891.050+/-0.110 χ^2/NDF:15522164.3/61

All: 883.933+/-0.078 χ^2/NDF: 31182362.6/1

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -33.855+/-29.734 χ^2/NDF: 57.8/32

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -77.645+/-29.473 χ^2/NDF: 60.5/36

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

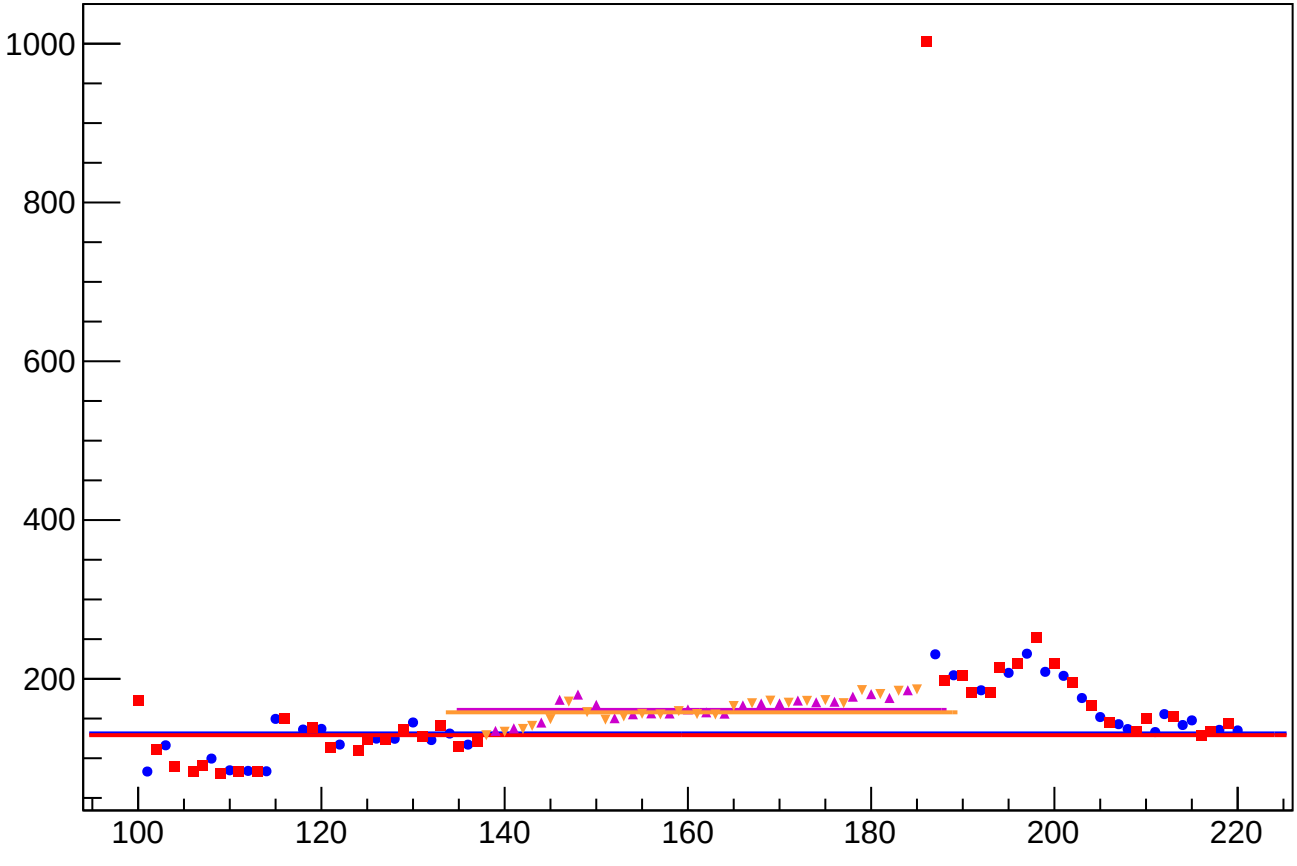
Right: -55.943+/-20.932 χ^2/NDF: 119.4/69

In: 93.558+/-23.353 χ^2/NDF:135.2/55

Out: 73.052+/-22.818 χ^2/NDF:151.7/61

All: 83.068+/-16.321 χ^2/NDF: 287.3/117

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 131.241+/-0.021 χ^2/NDF: 2792437.2/32

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

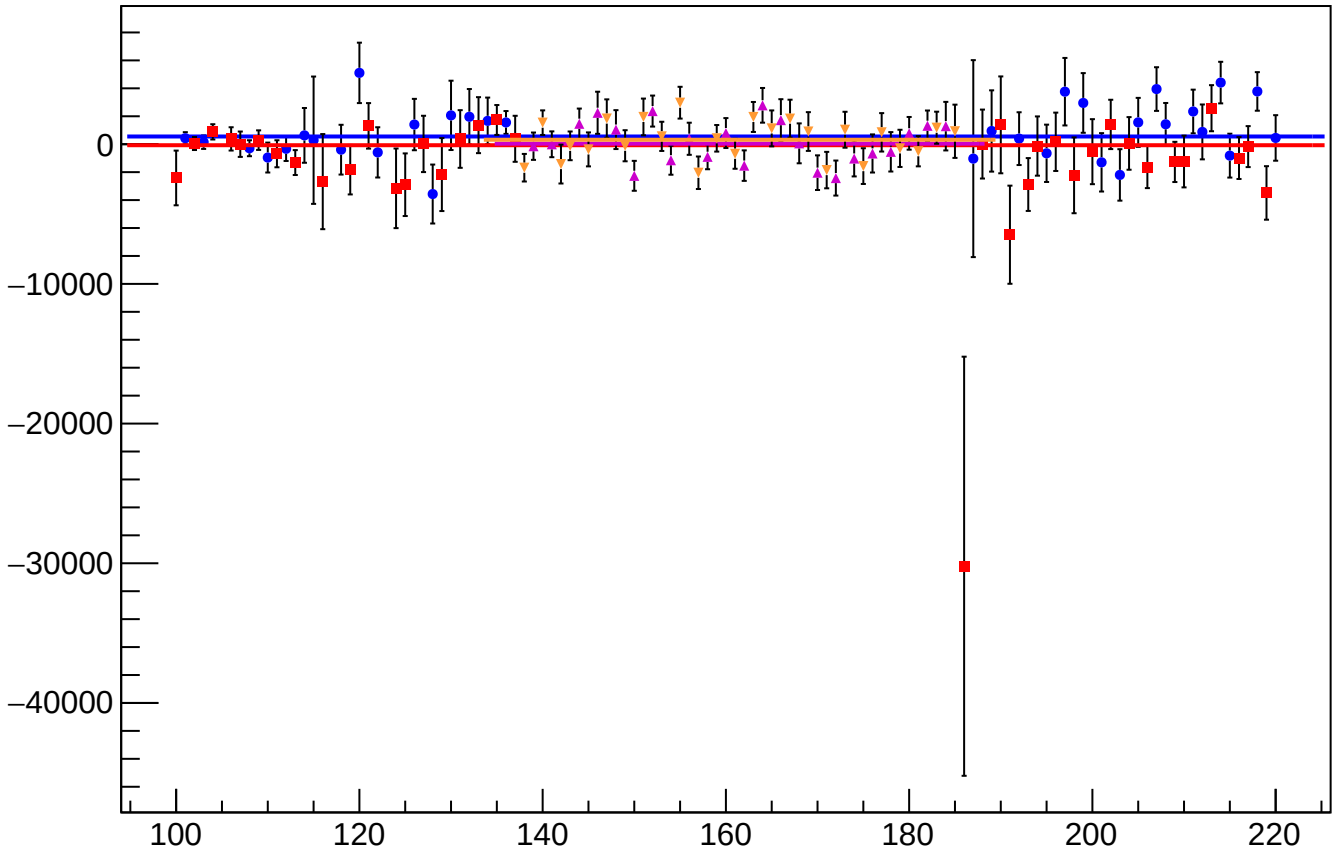
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 130.148+/-0.015 χ^2/NDF: 7078558.3/69

In: 142.595+/-0.017 χ^2/NDF:3821921.4/55

Out: 140.597+/-0.016 χ^2/NDF:5421014.0/61

All: 141.573+/-0.012 χ^2/NDF: 9250426.7/117



Right In: 552.544+/-204.299 χ^2/NDF: 44.1/32

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -72.289+/-207.593 χ^2/NDF: 36.1/36

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

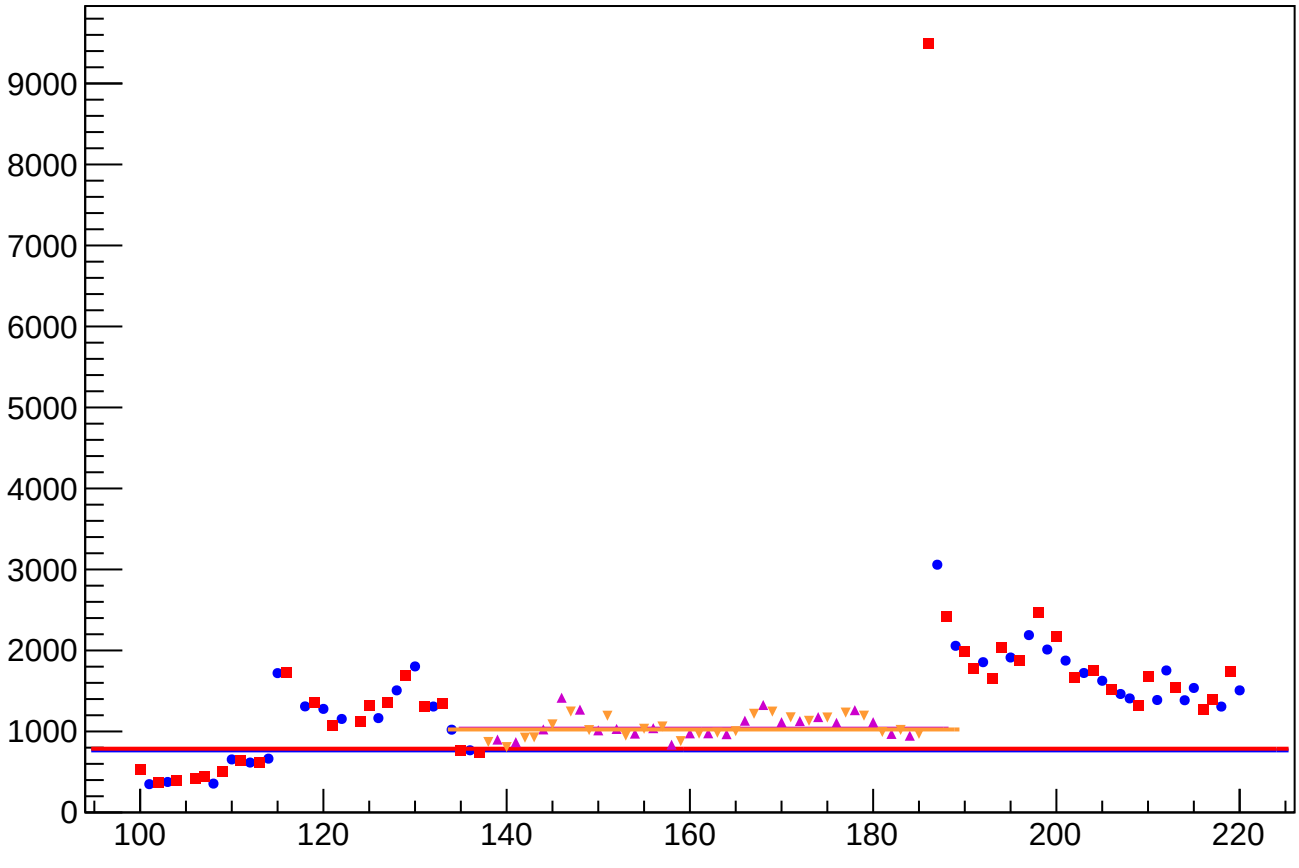
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 245.125+/-145.612 χ^2/NDF: 84.8/69

In: 341.138+/-156.683 χ^2/NDF:81.5/55

Out: 99.567+/-155.607 χ^2/NDF:70.2/61

All: 219.520+/-110.409 χ^2/NDF: 152.9/117



Right In: 766.295+/-0.144 χ^2/NDF: 13604551.5/32

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

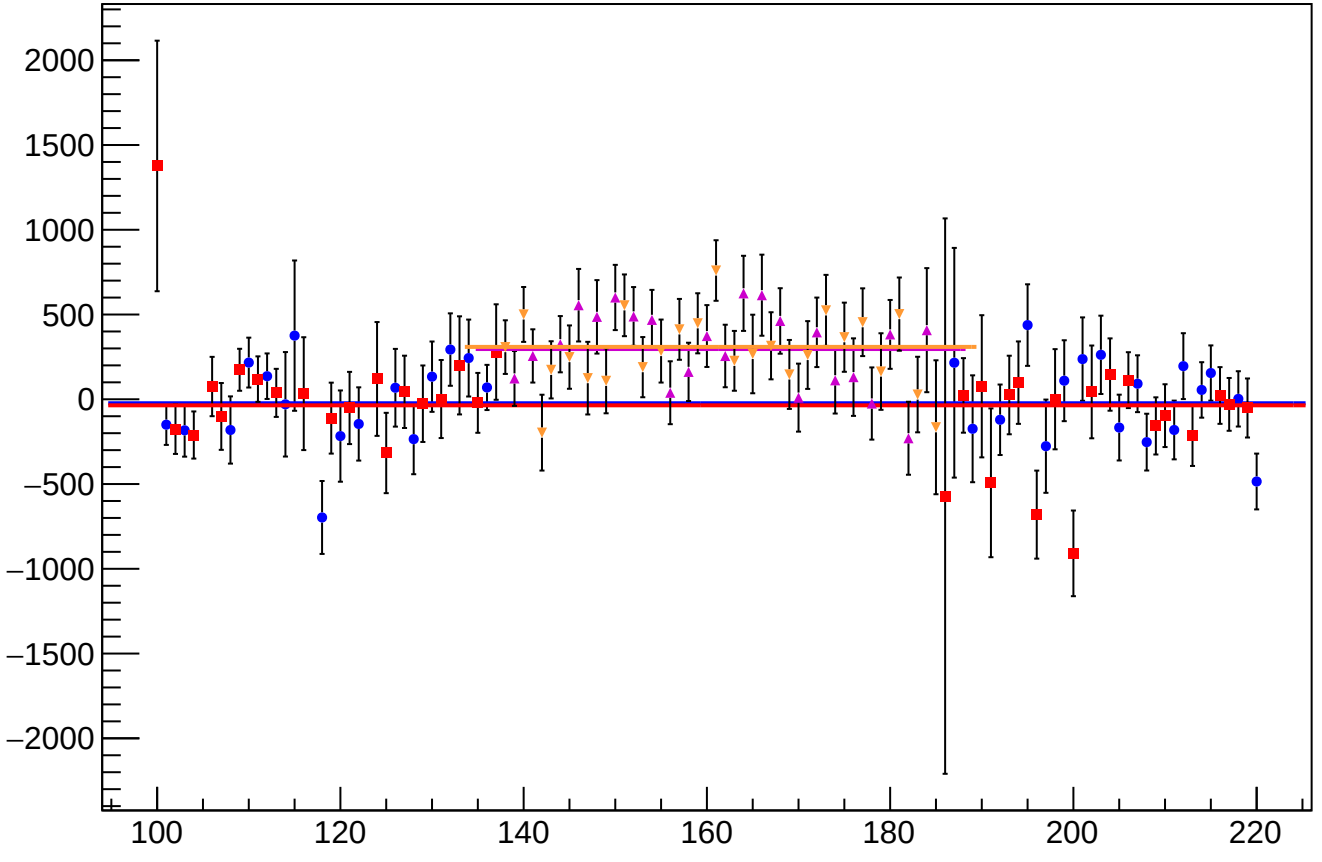
Right: 776.478+/-0.103 χ^2/NDF: 27392222.9/69

In: 876.717+/-0.111 χ^2/NDF:15651772.9/55

Out: 891.050+/-0.110 χ^2/NDF:15522164.3/61

All: 883.933+/-0.078 χ^2/NDF: 31182362.6/1

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -23.478+/-33.329 χ^2/NDF: 46.5/32

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -35.620+/-33.069 χ^2/NDF: 38.3/36

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

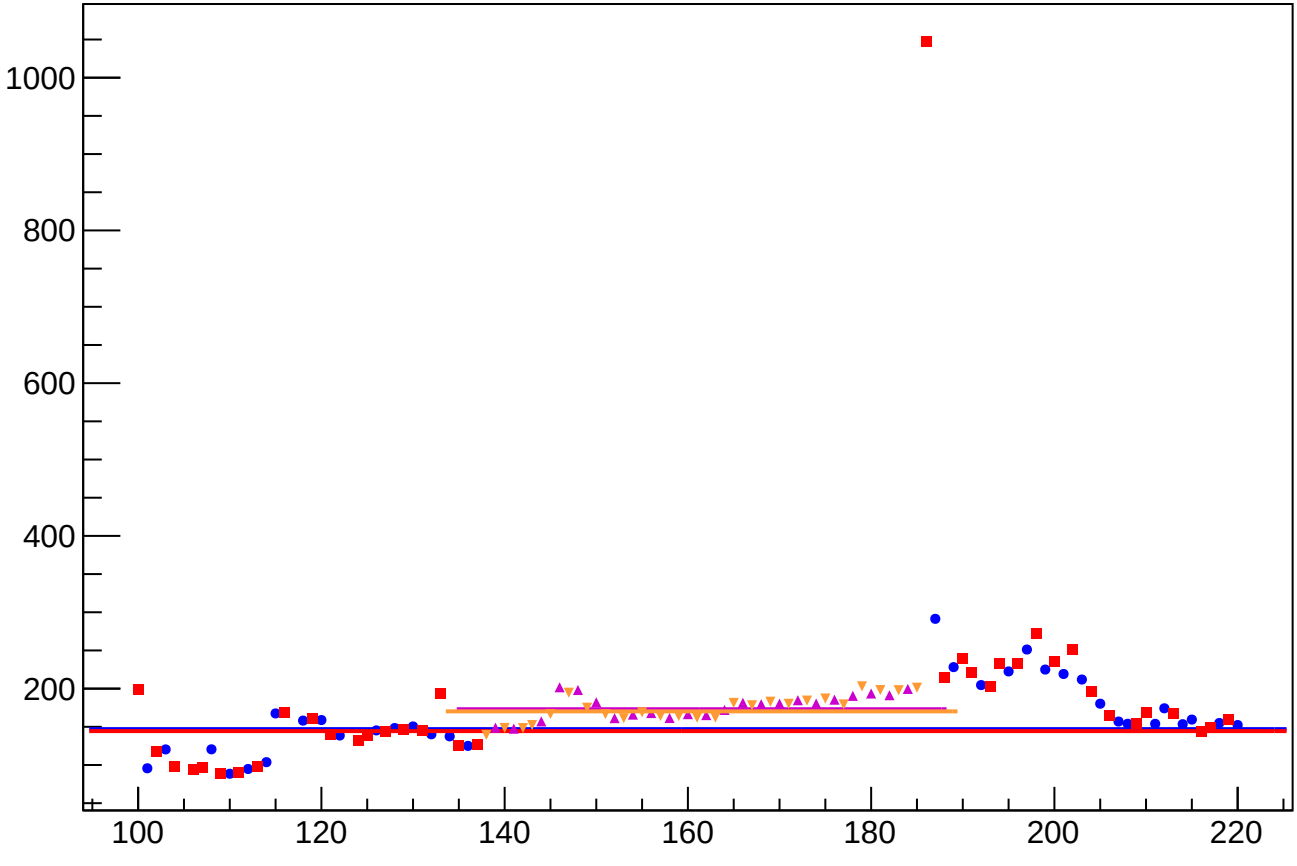
Right: -29.597+/-23.475 χ^2/NDF: 84.9/69

In: 105.315+/-25.762 χ^2/NDF:111.5/55

Out: 108.962+/-25.196 χ^2/NDF:109.4/61

All: 107.179+/-18.013 χ^2/NDF: 220.9/117

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 146.974+/-0.024 χ^2/NDF: 2737372.0/32

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 144.382+/-0.023 χ^2/NDF: 4439979.5/36

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

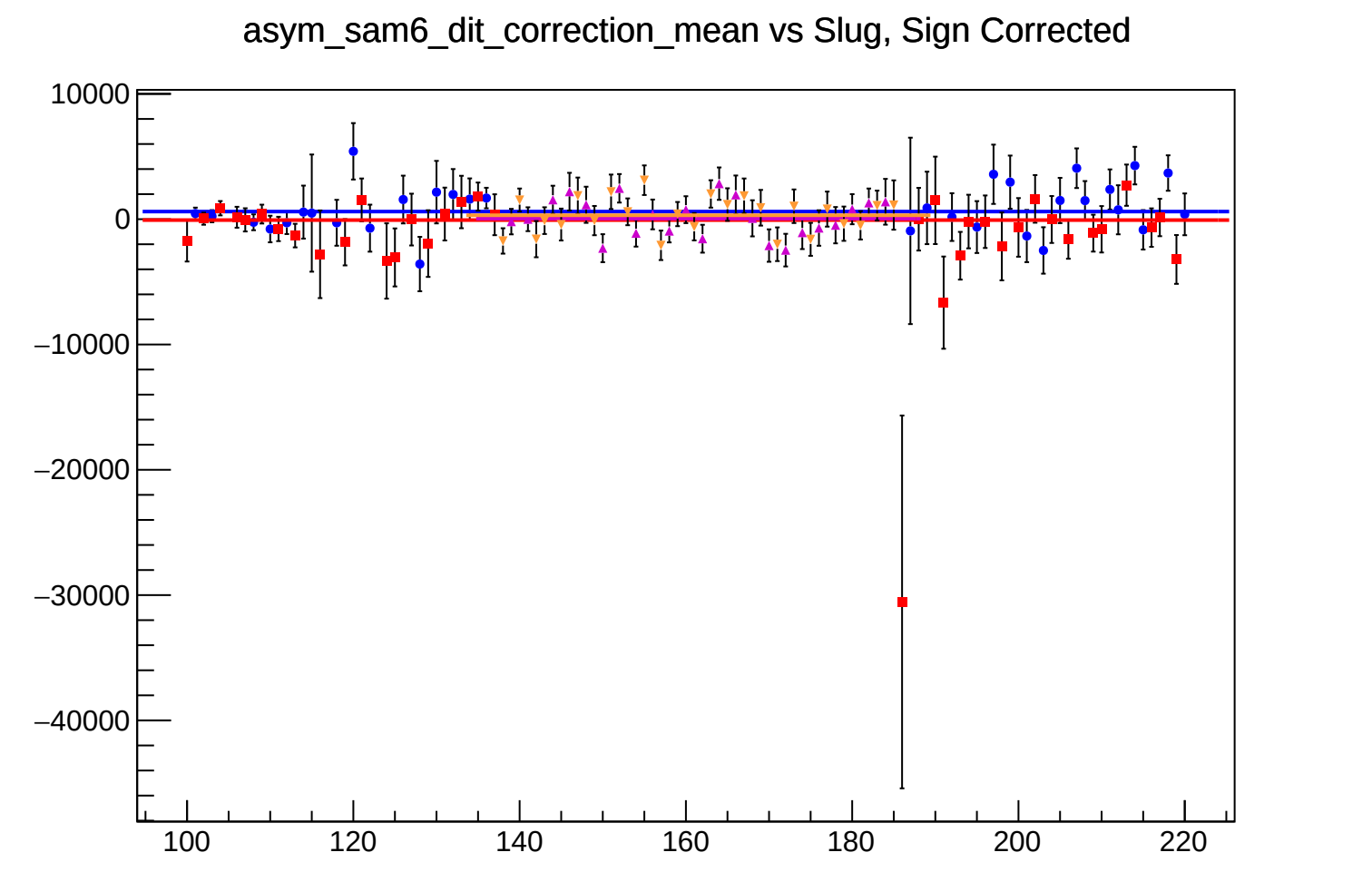
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 145.667+/-0.017 χ^2/NDF: 7183446.8/69

In: 157.459+/-0.018 χ^2/NDF:3522870.0/55

Out: 155.229+/-0.018 χ^2/NDF:5319296.8/61

All: 156.319+/-0.013 χ^2/NDF: 8849823.2/117



Right In: 608.857+/-212.298 χ^2/NDF: 42.5/32

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -71.350+/-213.713 χ^2/NDF: 34.2/36

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

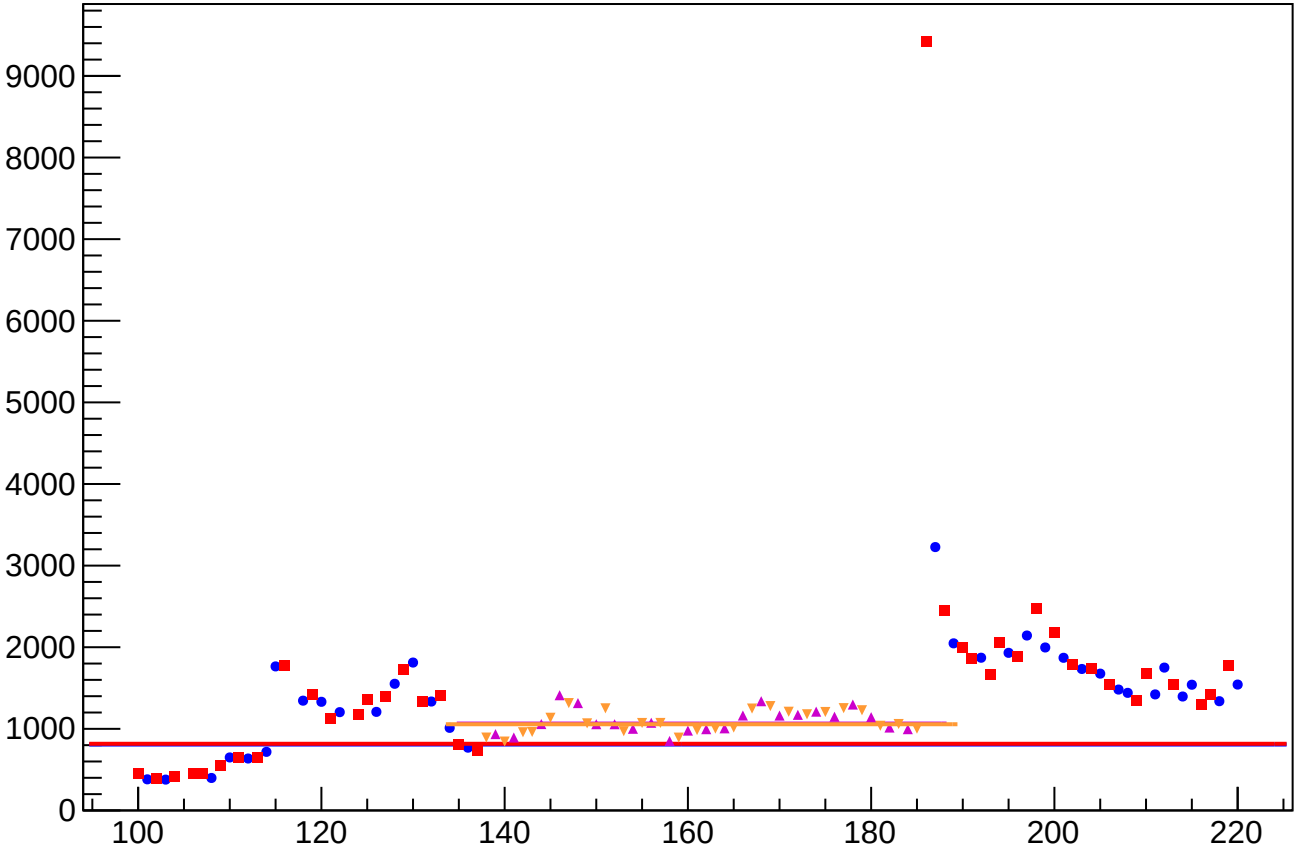
Right: 271.012+/-150.615 χ^2/NDF: 81.8/69

In: 374.908+/-162.161 χ^2/NDF:79.8/55

Out: 97.025+/-160.306 χ^2/NDF:68.5/61

All: 234.368+/-114.004 χ^2/NDF: 149.9/117

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 807.742+/-0.150 χ^2/NDF: 12828792.0/32

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 816.931+/-0.151 χ^2/NDF: 13466322.6/36

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

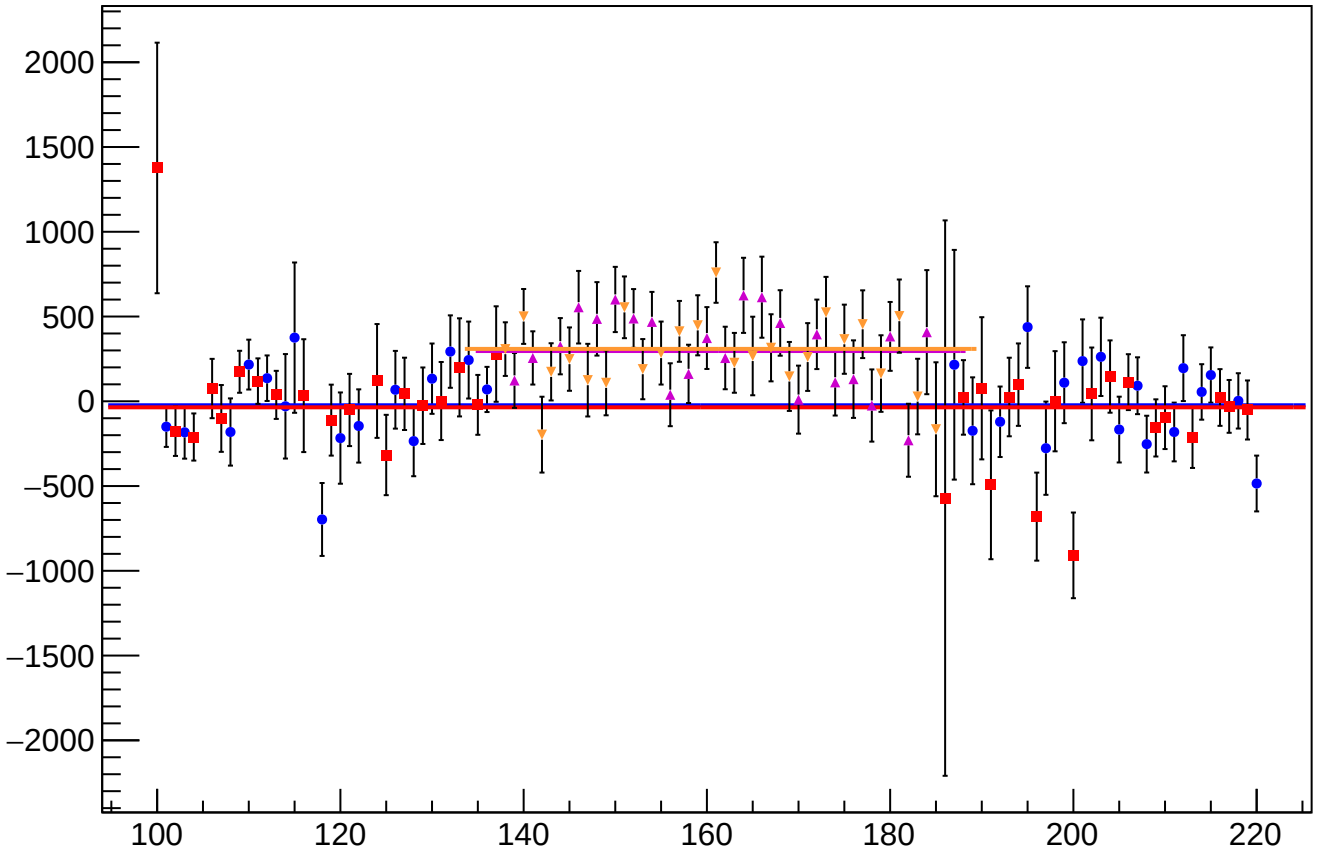
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 812.306+/-0.107 χ^2/NDF: 26296975.4/69

In: 914.776+/-0.115 χ^2/NDF:14660252.8/55

Out: 921.631+/-0.113 χ^2/NDF:15174610.7/61

All: 918.243+/-0.081 χ^2/NDF: 29836671.0/11



Right In: -23.480+/-33.329 χ^2/NDF: 46.5/32

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -35.619+/-33.069 χ^2/NDF: 38.3/36

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

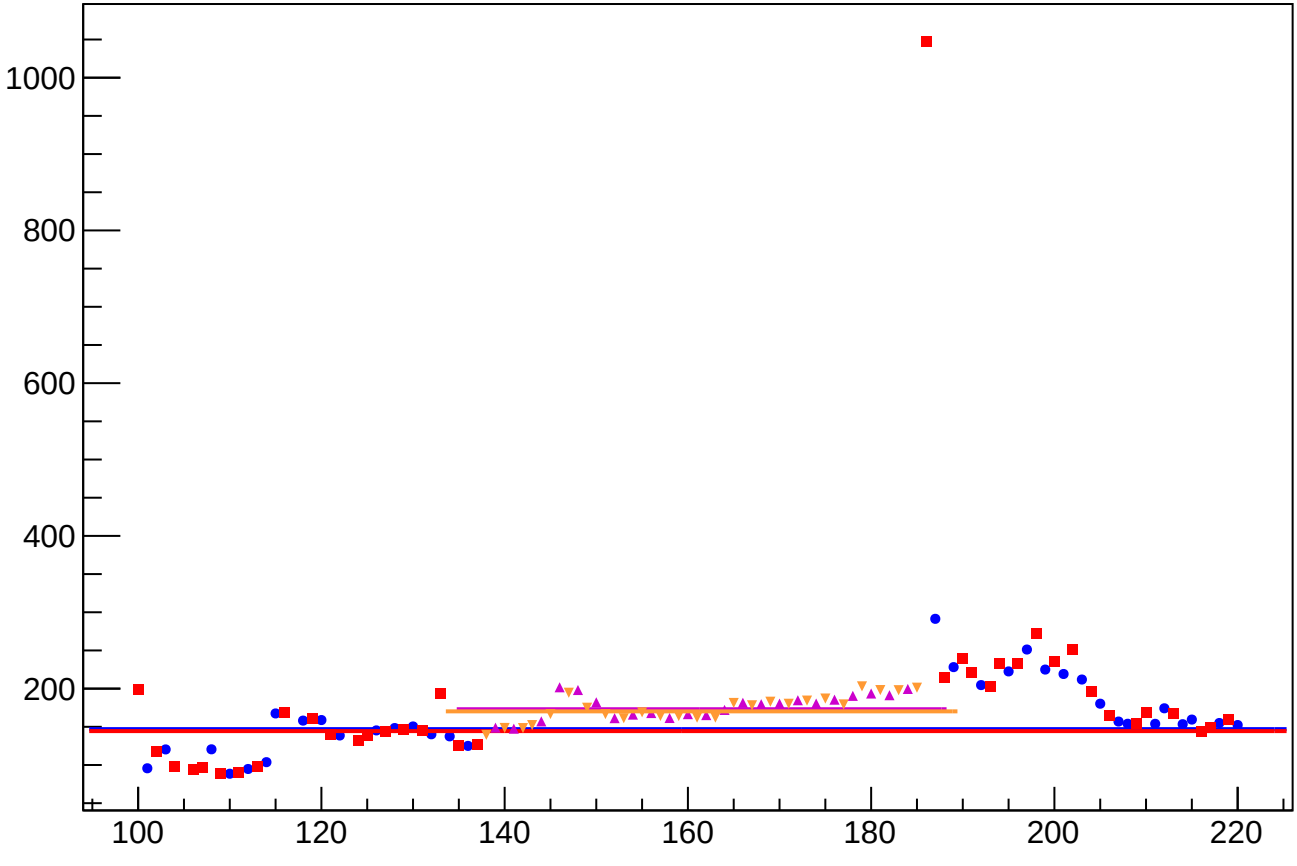
Right: -29.597+/-23.475 χ^2/NDF: 84.9/69

In: 105.314+/-25.762 χ^2/NDF:111.5/55

Out: 108.963+/-25.196 χ^2/NDF:109.4/61

All: 107.179+/-18.013 χ^2/NDF: 220.9/117

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 146.973+/-0.024 χ^2/NDF: 2737392.8/32

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 144.381+/-0.023 χ^2/NDF: 4439987.8/36

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

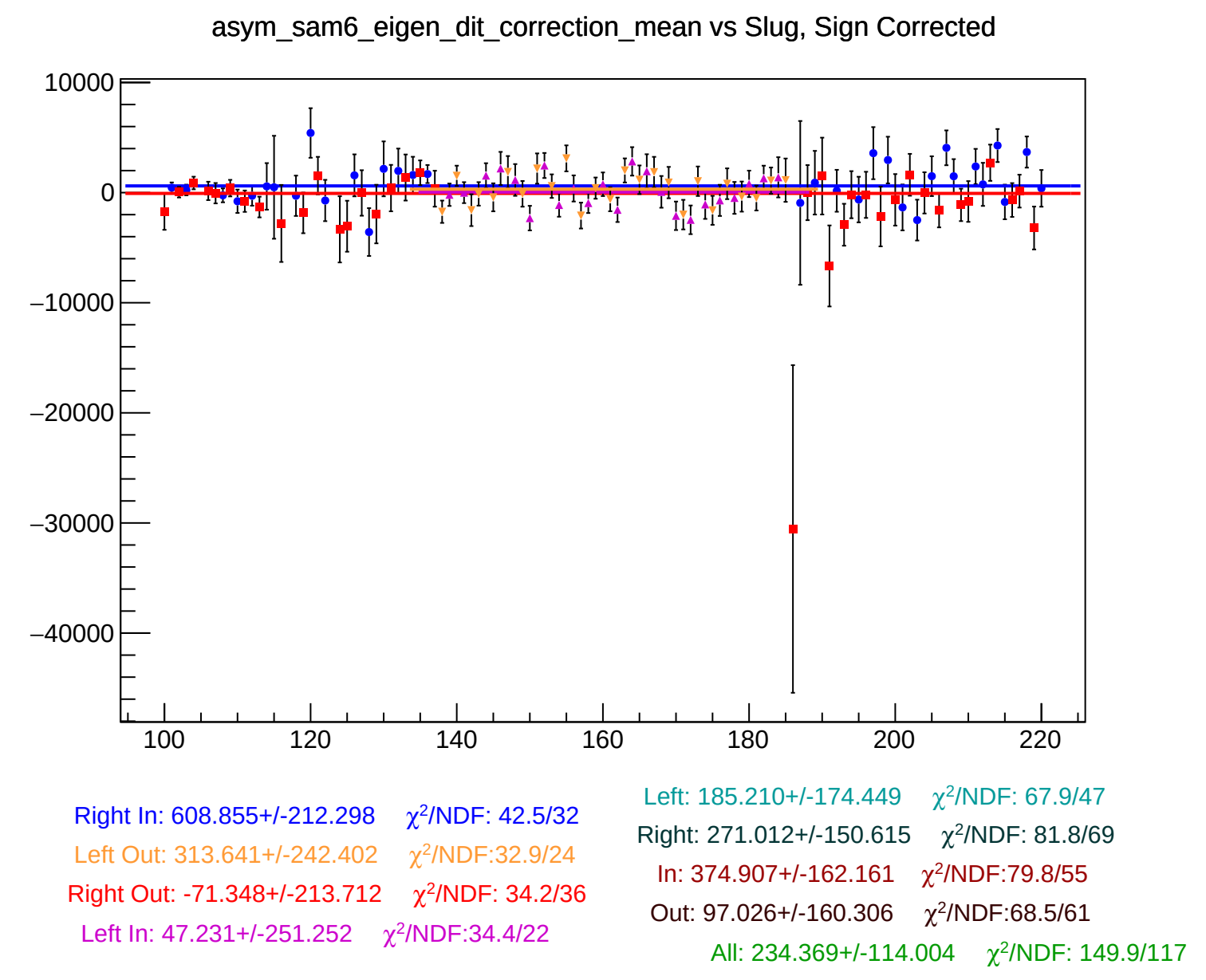
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

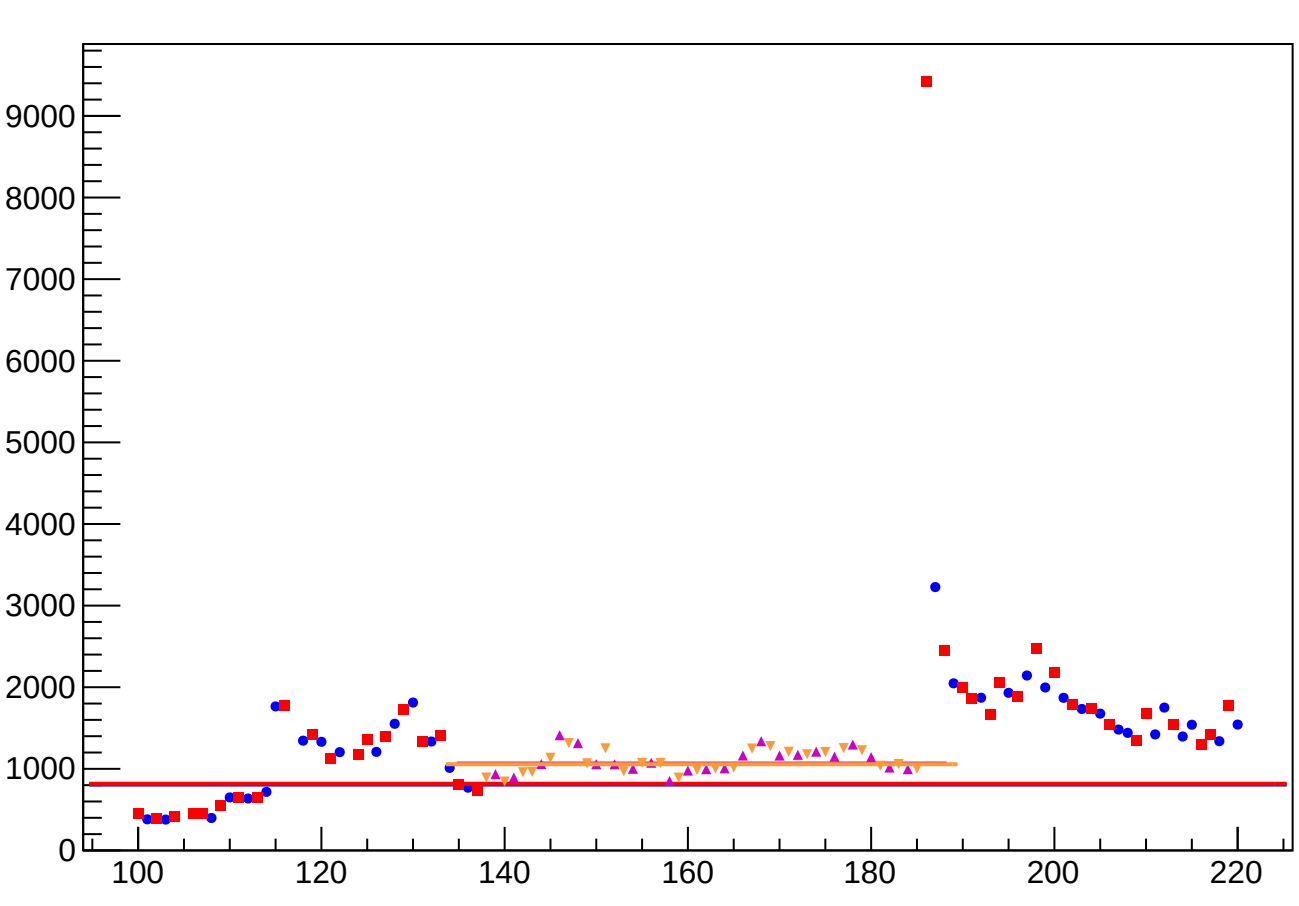
Right: 145.667+/-0.017 χ^2/NDF: 7183476.0/69

In: 157.459+/-0.018 χ^2/NDF:3522892.2/55

Out: 155.229+/-0.018 χ^2/NDF:5319306.1/61

All: 156.319+/-0.013 χ^2/NDF: 8849854.7/117


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 608.855+/-212.298 χ²/NDF: 42.5/32
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -71.348+/-213.712 χ²/NDF: 34.2/36
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 271.012+/-150.615 χ²/NDF: 81.8/69
In: 374.907+/-162.161 χ²/NDF:79.8/55
Out: 97.026+/-160.306 χ²/NDF:68.5/61
All: 234.369+/-114.004 χ²/NDF: 149.9/117



Right In: 807.741+/-0.150 χ^2/NDF: 12828812.2/32

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 816.930+/-0.151 χ^2/NDF: 13466332.1/36

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

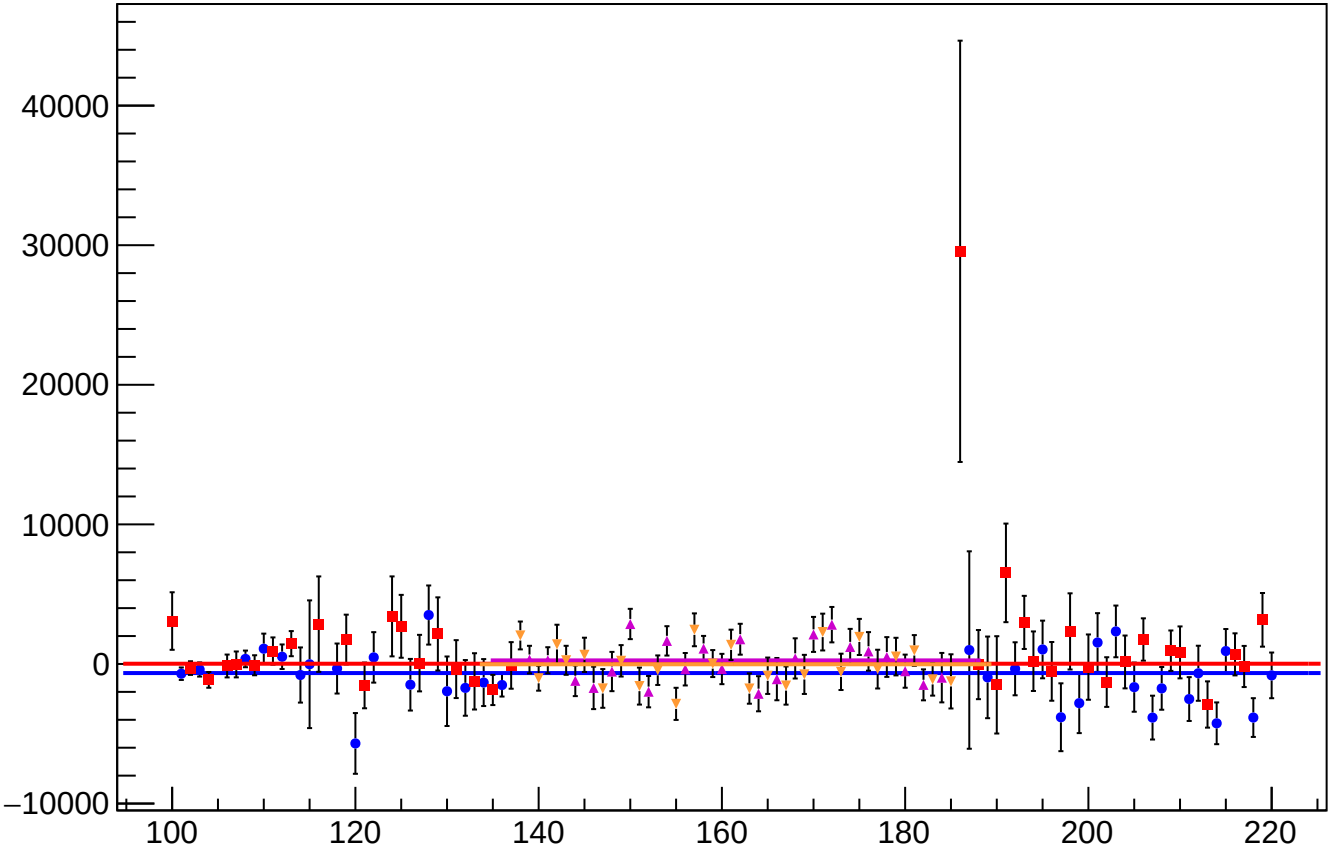
Right: 812.305+/-0.107 χ^2/NDF: 26297005.2/69

In: 914.775+/-0.115 χ^2/NDF:14660286.5/55

Out: 921.630+/-0.113 χ^2/NDF:15174633.8/61

All: 918.242+/-0.081 χ^2/NDF: 29836727.9/11

asym_sam6_mean vs Slug, Sign Corrected



Right In: -651.556+/-209.265 χ^2/NDF: 44.8/32

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 17.006+/-211.671 χ^2/NDF: 38.9/36

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

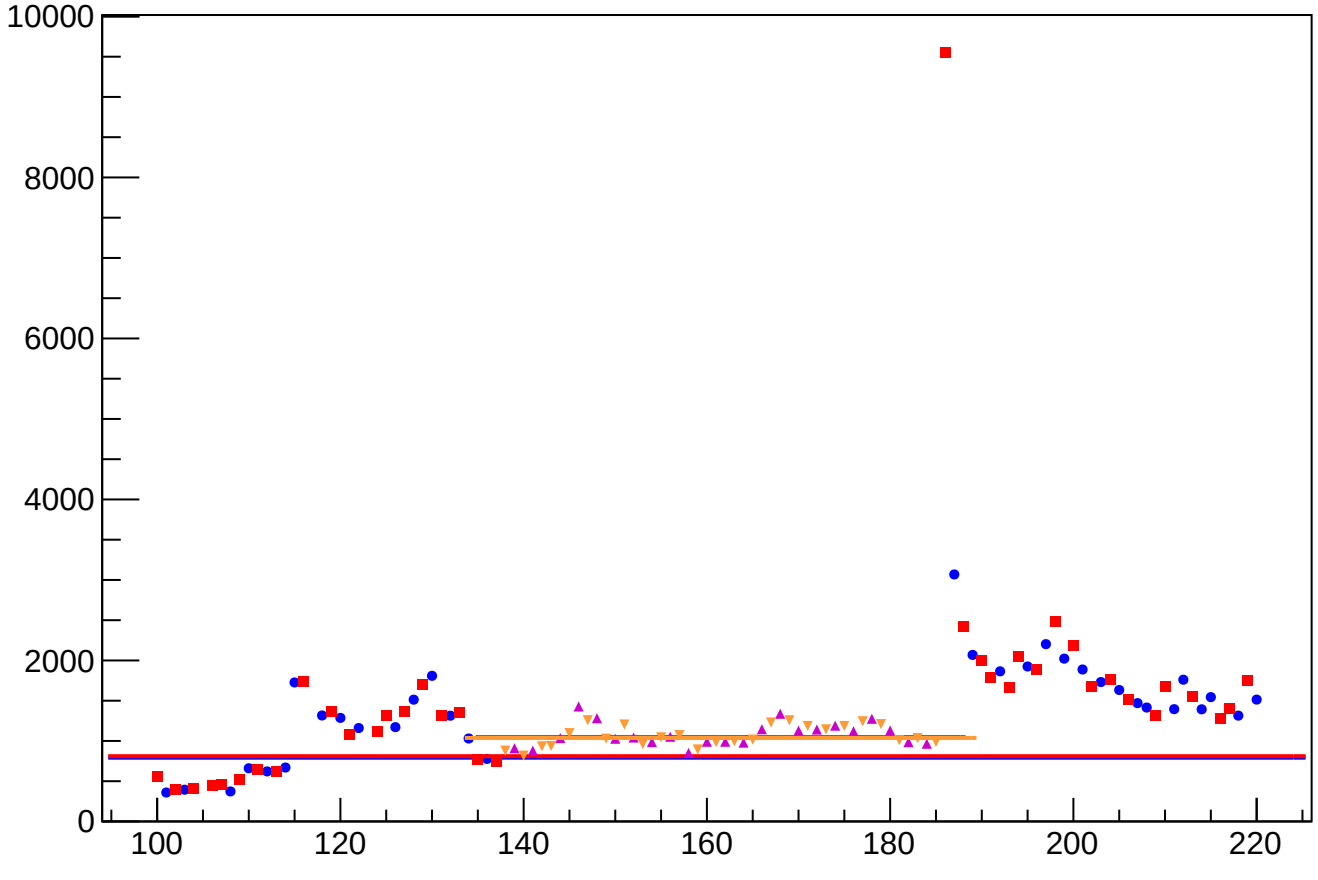
Right: -321.097+/-148.816 χ^2/NDF: 88.7/69

In: -272.939+/-159.720 χ^2/NDF:86.2/55

Out: -0.162+/-158.159 χ^2/NDF:73.4/61

All: -135.211+/-112.383 χ^2/NDF: 161.0/117

asym_sam6_rms vs Slug, Sign Corrected



Right In: 792.273+/-0.148 χ^2/NDF: 13072136.4/32

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 810.944+/-0.150 χ^2/NDF: 13290253.7/36

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

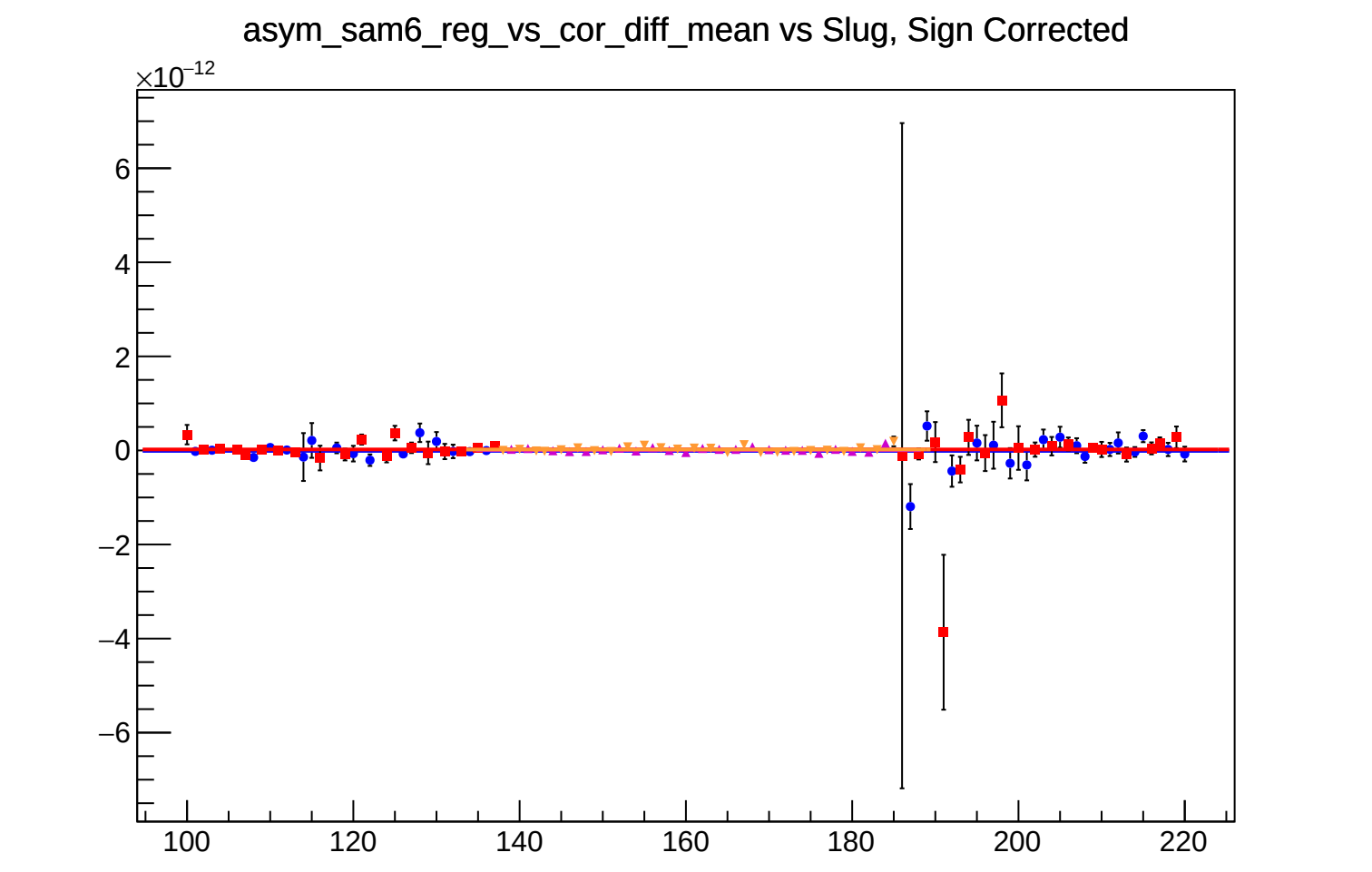
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 801.502+/-0.105 χ^2/NDF: 26370259.1/69

In: 898.874+/-0.113 χ^2/NDF:14928696.2/55

Out: 910.938+/-0.112 χ^2/NDF:14886225.7/61

All: 904.965+/-0.079 χ^2/NDF: 29820682.9/11



Right In: -0.000+/-0.000 χ^2/NDF: 39.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/36

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

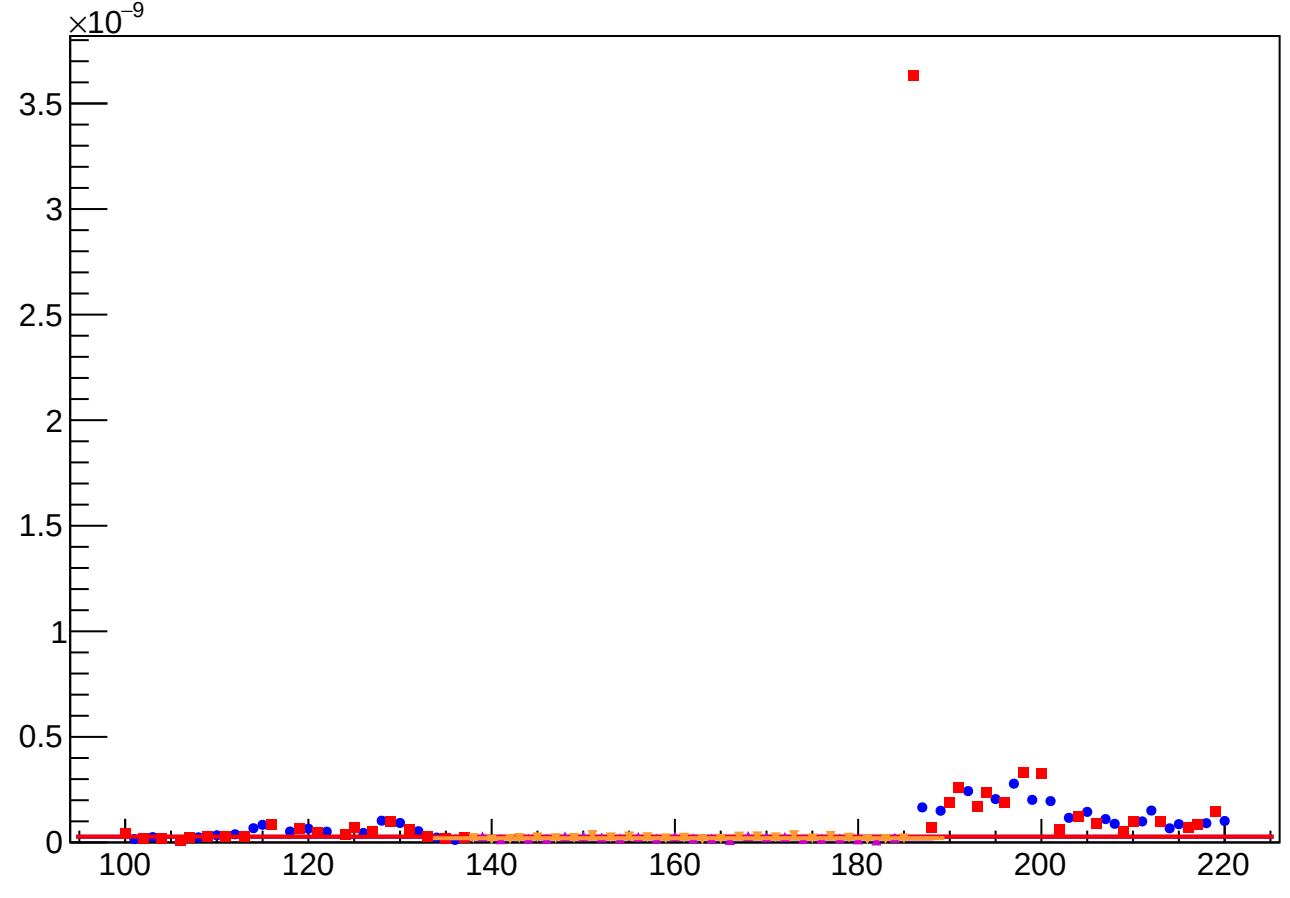
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 78.8/69

In: 0.000+/-0.000 χ^2/NDF:59.3/55

Out: 0.000+/-0.000 χ^2/NDF:66.3/61

All: 0.000+/-0.000 χ^2/NDF: 129.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 10577467.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9559620.3/36

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

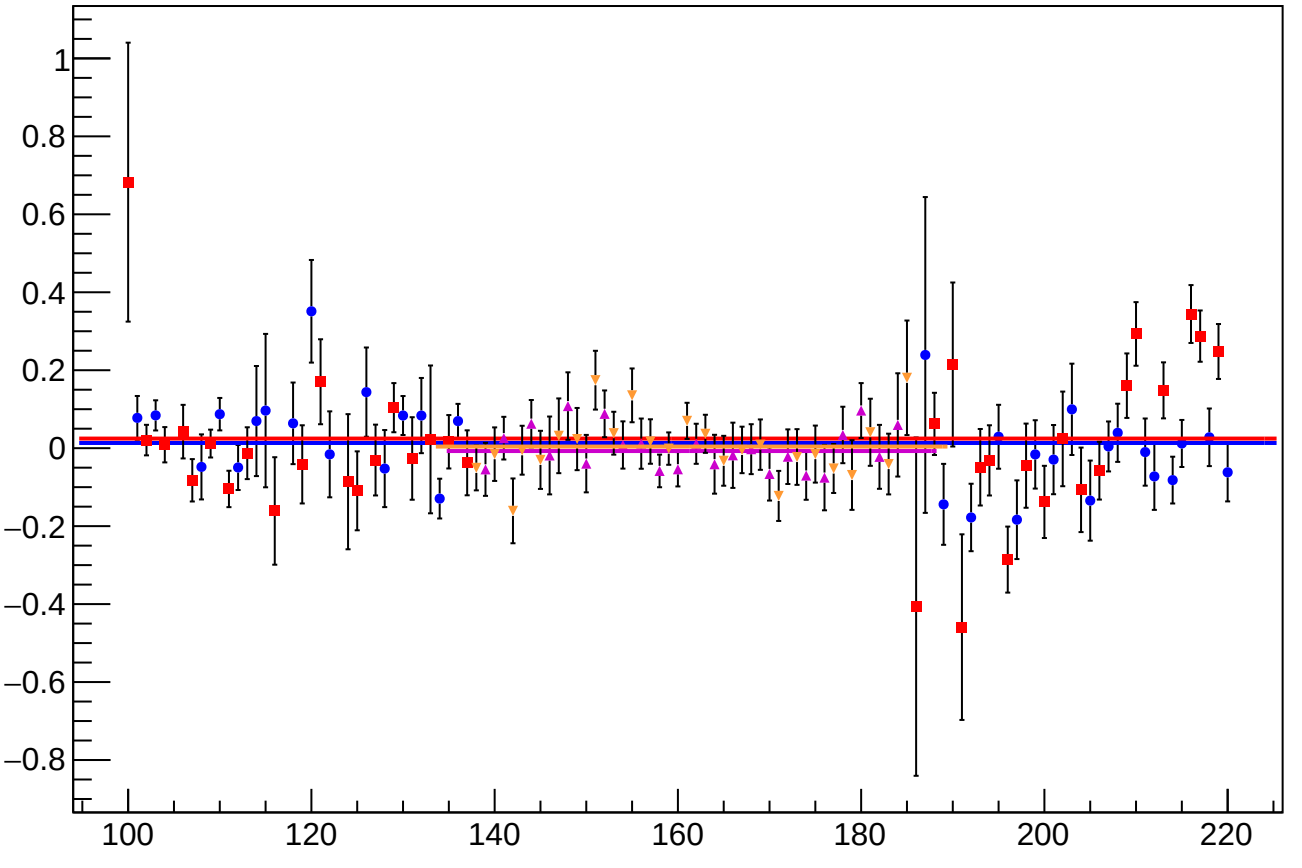
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 20140008.1/69

In: 0.000+/-0.000 χ^2/NDF:12188075.6/55

Out: 0.000+/-0.000 χ^2/NDF:11037544.3/61

All: 0.000+/-0.000 χ^2/NDF: 23236493.6/117



Right In: 0.013+/-0.012 χ^2/NDF: 49.5/32

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

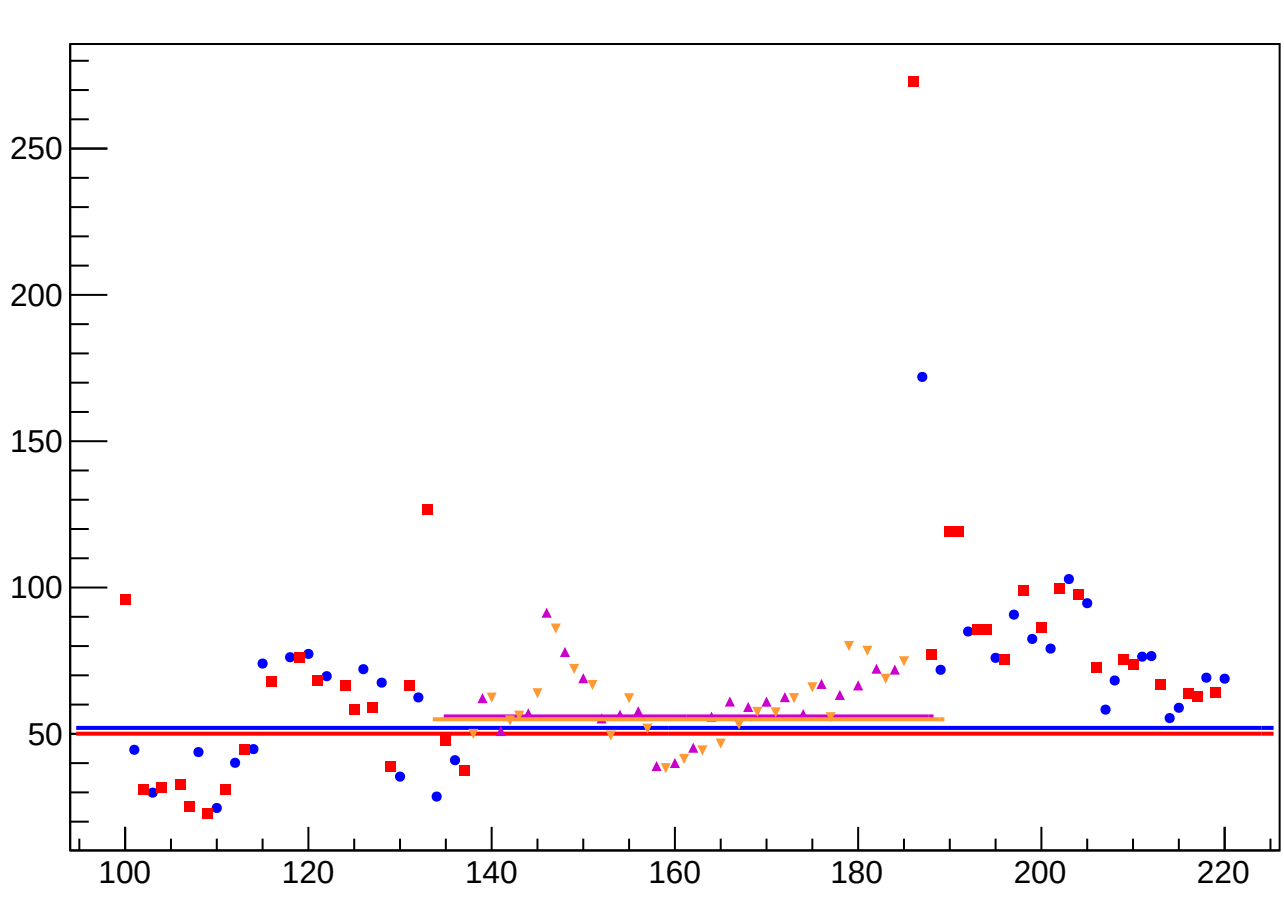
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.019+/-0.009 χ^2/NDF: 162.2/69

In: 0.004+/-0.009 χ^2/NDF:65.9/55

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.010+/-0.006 χ^2/NDF: 205.0/117



Right In: 52.037+/-0.009 χ^2/NDF: 5651820.3/32

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

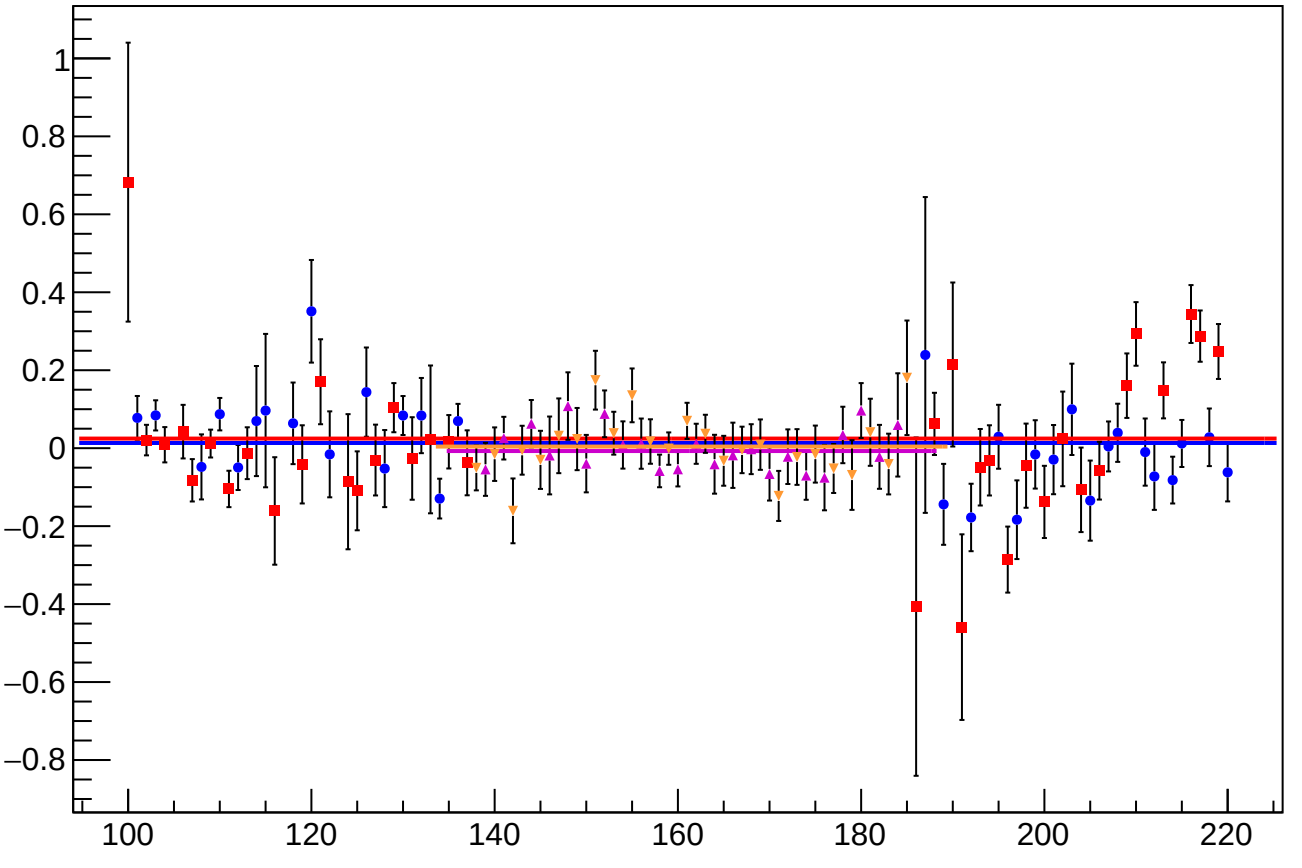
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 51.032+/-0.006 χ^2/NDF: 13539180.2/69

In: 53.842+/-0.006 χ^2/NDF:7148642.1/55

Out: 52.397+/-0.006 χ^2/NDF:9580854.6/61

All: 53.100+/-0.005 χ^2/NDF: 16754984.6/117



Right In: 0.013+/-0.012 χ^2/NDF: 49.5/32

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

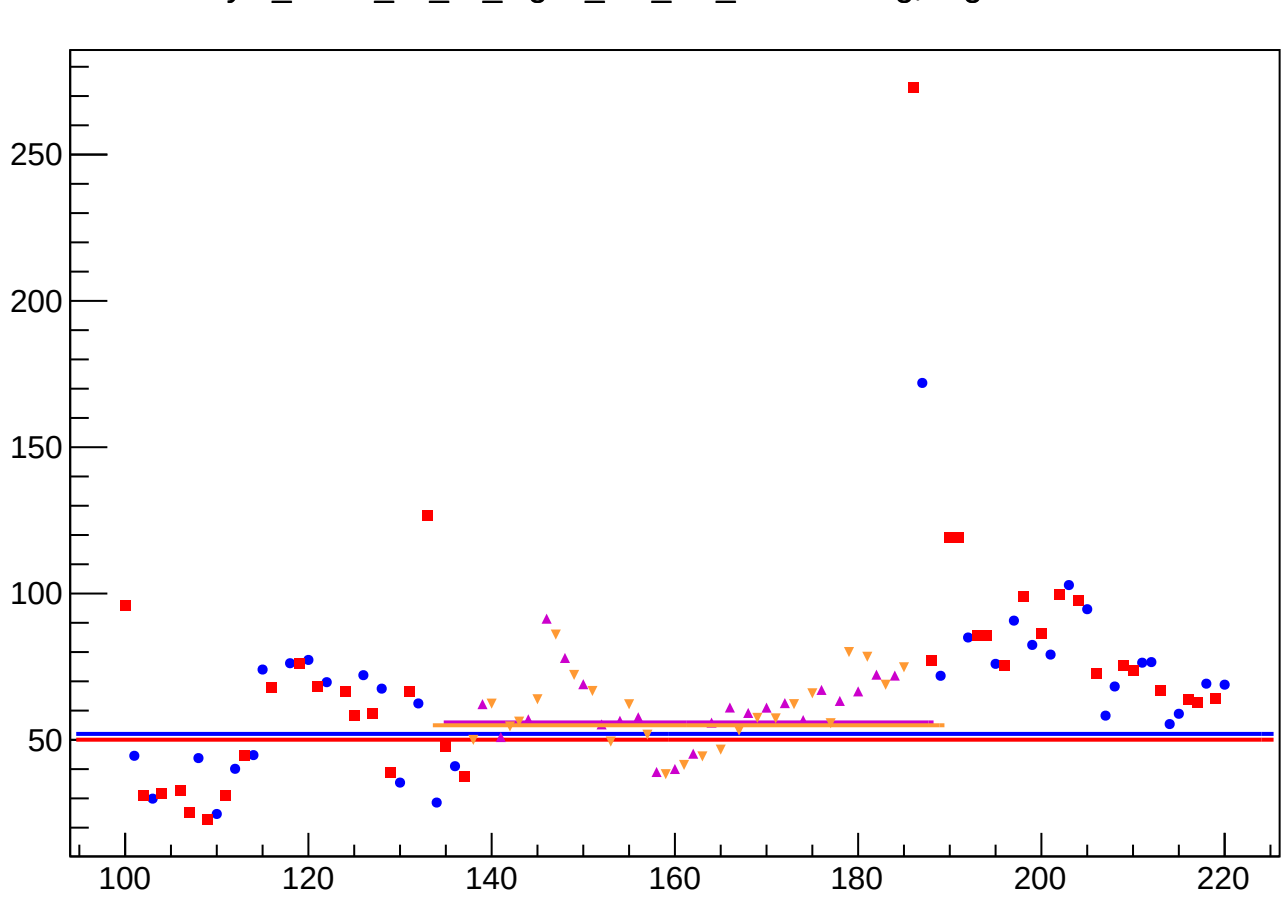
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.019+/-0.009 χ^2/NDF: 162.2/69

In: 0.004+/-0.009 χ^2/NDF:65.9/55

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.010+/-0.006 χ^2/NDF: 205.0/117



Right In: 52.037+/-0.009 χ^2/NDF: 5651820.3/32

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

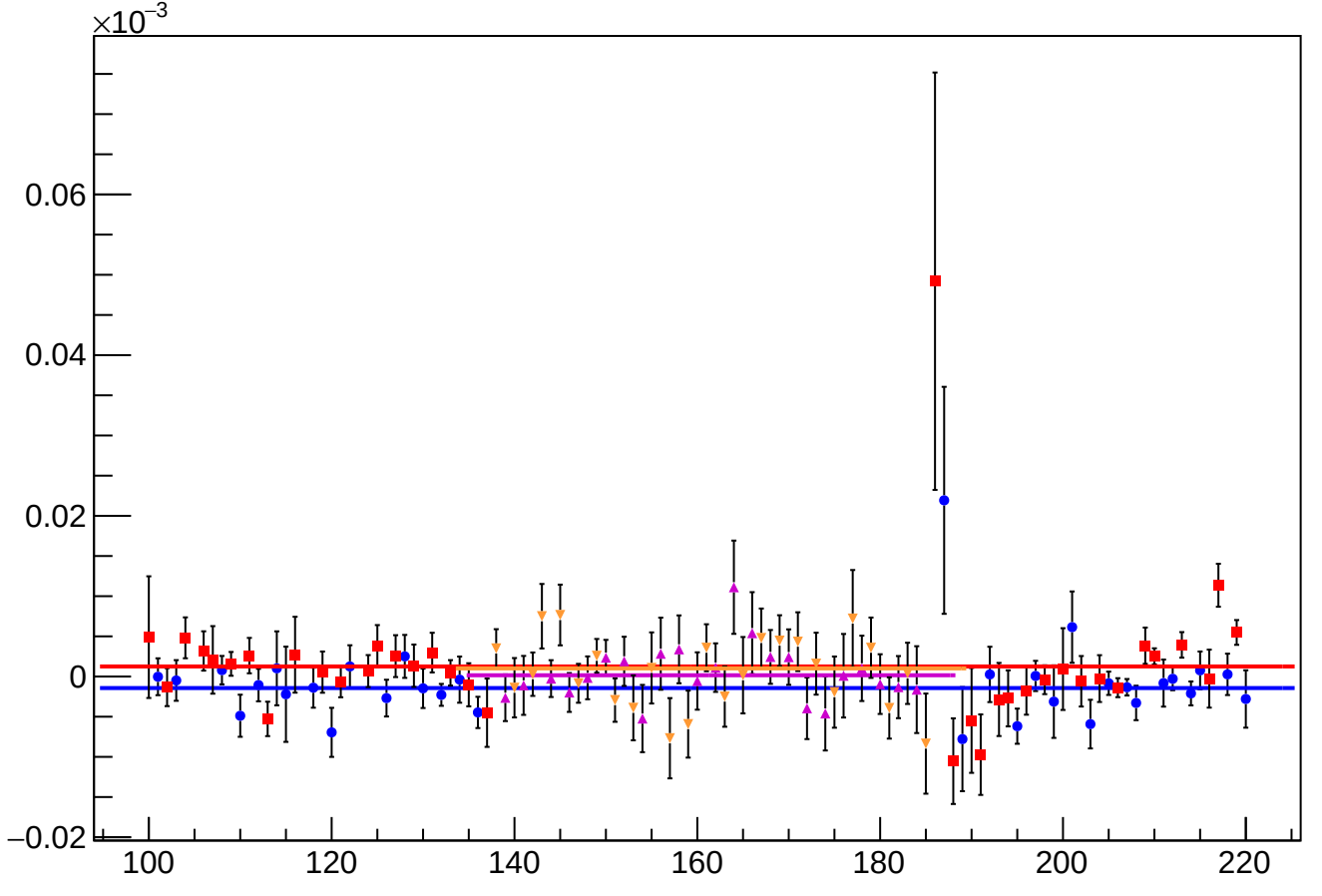
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 51.032+/-0.006 χ^2/NDF: 13539180.2/69

In: 53.842+/-0.006 χ^2/NDF:7148642.1/55

Out: 52.397+/-0.006 χ^2/NDF:9580854.6/61

All: 53.100+/-0.005 χ^2/NDF: 16754984.6/117



Right In: -0.000+/-0.000 χ^2/NDF: 31.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 71.2/36

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

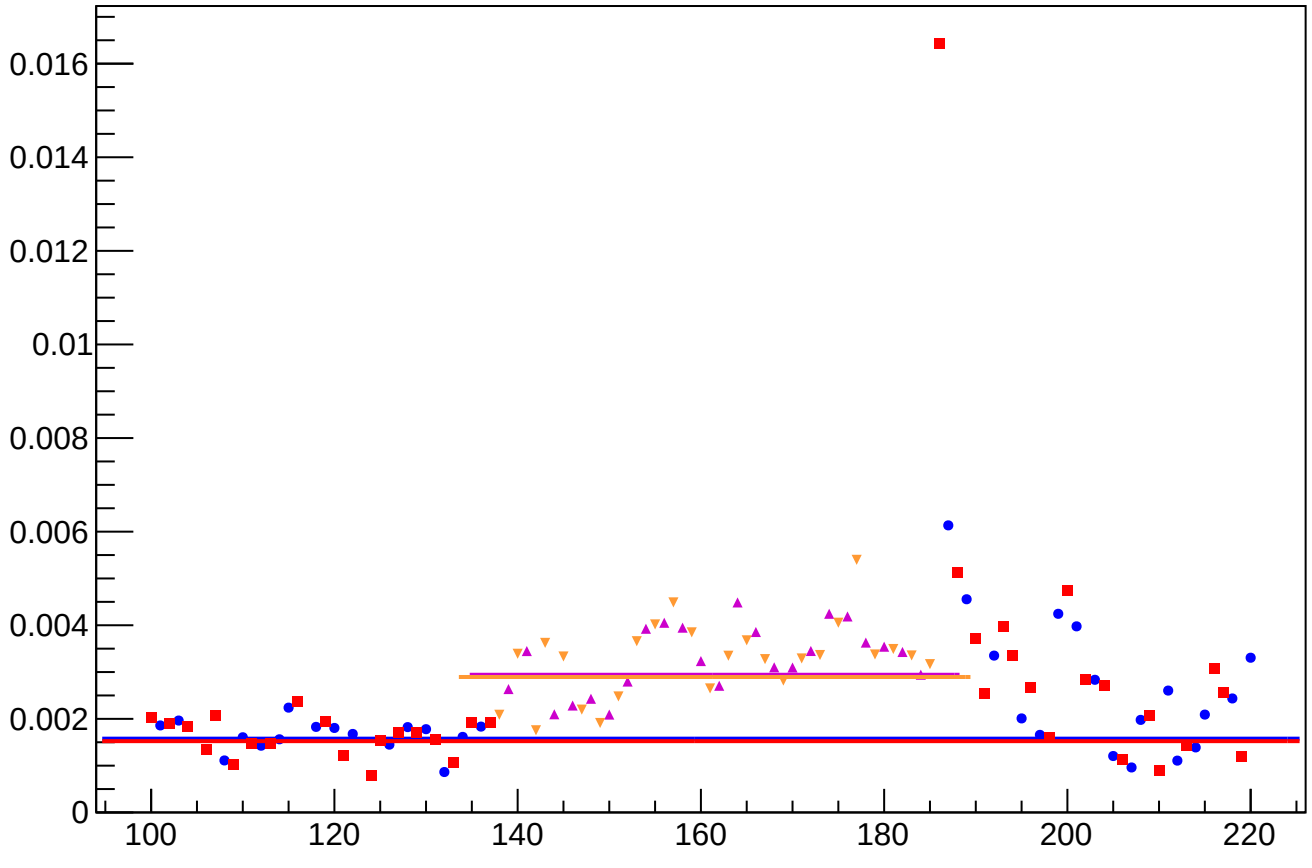
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 128.4/69

In: -0.000+/-0.000 χ^2/NDF:49.6/55

Out: 0.000+/-0.000 χ^2/NDF:99.8/61

All: 0.000+/-0.000 χ^2/NDF: 173.1/117



Right In: 0.002+/-0.000 χ^2/NDF: 5978735.1/32

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7750951.7/36

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

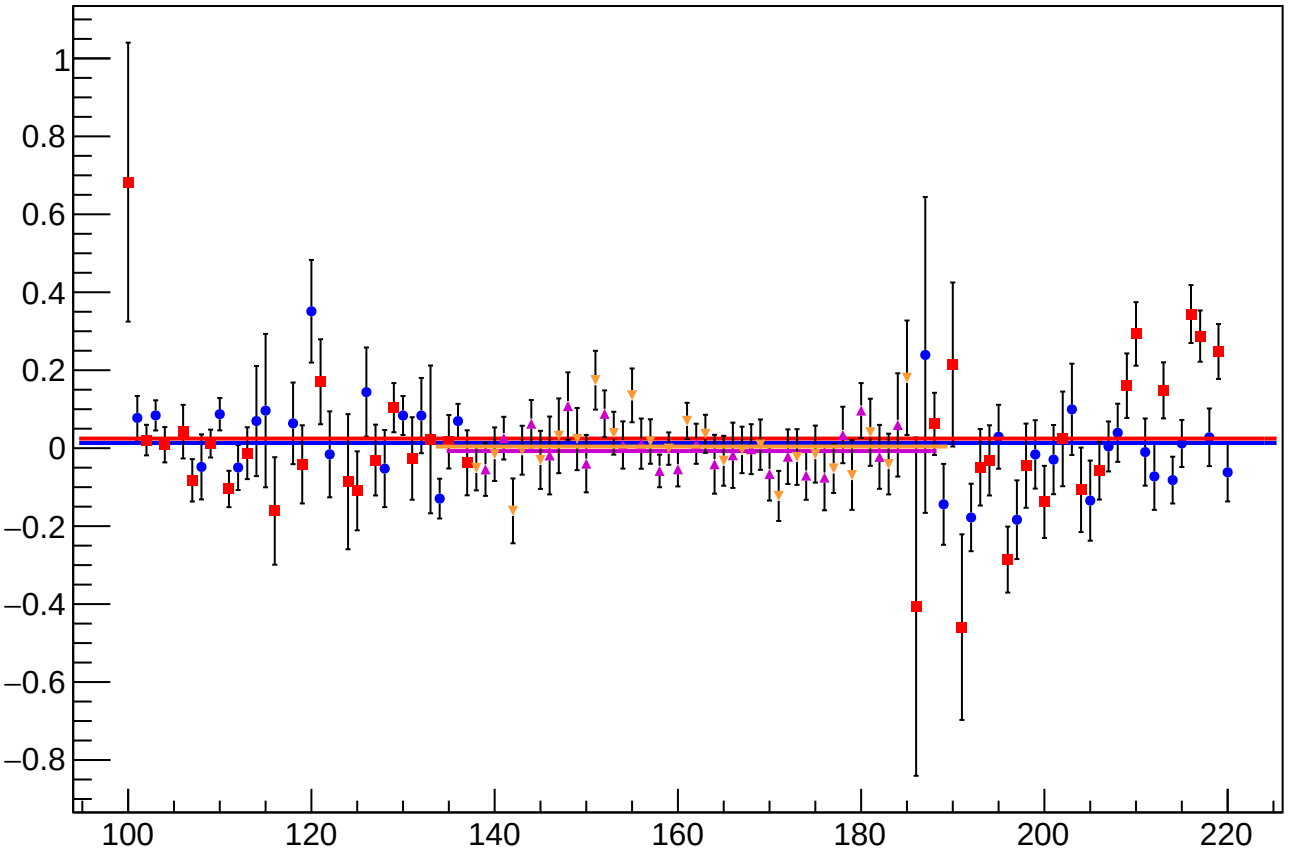
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 13749675.9/69

In: 0.002+/-0.000 χ^2/NDF:13612038.7/55

Out: 0.002+/-0.000 χ^2/NDF:16567880.5/61

All: 0.002+/-0.000 χ^2/NDF: 30200675.0/117



Right In: 0.013+/-0.012 χ^2/NDF: 49.5/32

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

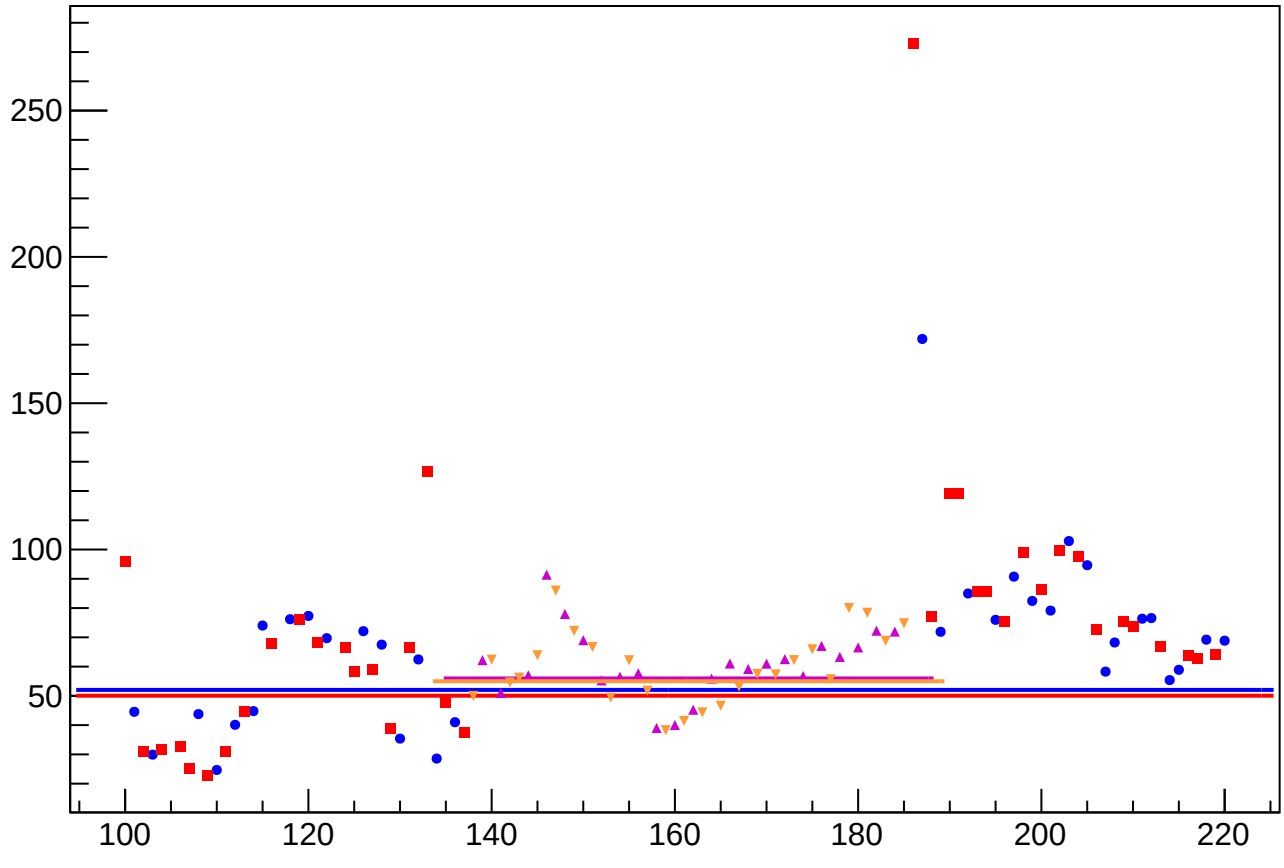
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.019+/-0.009 χ^2/NDF: 162.2/69

In: 0.004+/-0.009 χ^2/NDF:65.9/55

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.010+/-0.006 χ^2/NDF: 205.0/117



Right In: 52.036+/-0.009 χ^2/NDF: 5651992.2/32

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

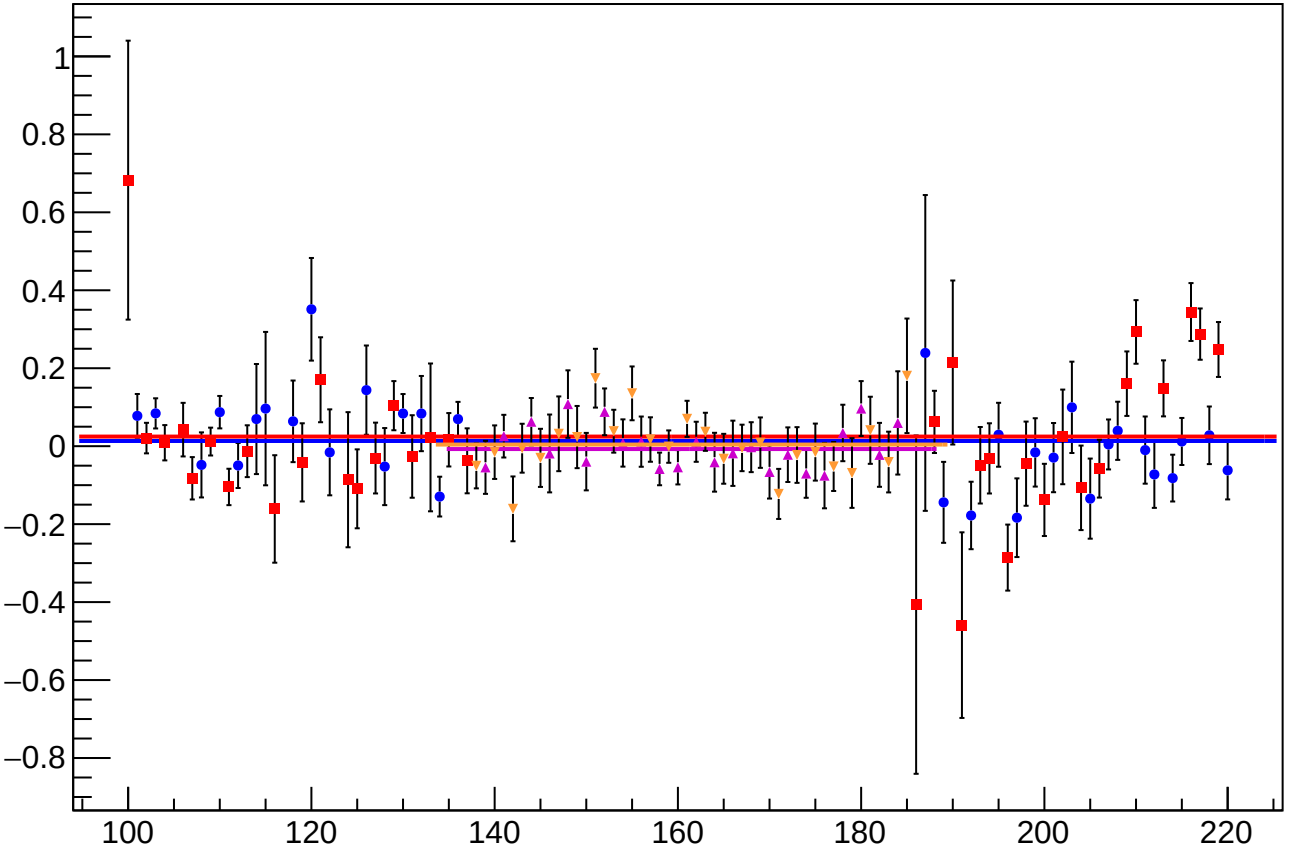
Right: 51.032+/-0.006 χ^2/NDF: 13539384.8/69

In: 53.841+/-0.006 χ^2/NDF:7148954.4/55

Out: 52.396+/-0.006 χ^2/NDF:9580974.2/61

All: 53.099+/-0.005 χ^2/NDF: 16755410.3/117

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.012 χ^2/NDF: 49.5/32

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

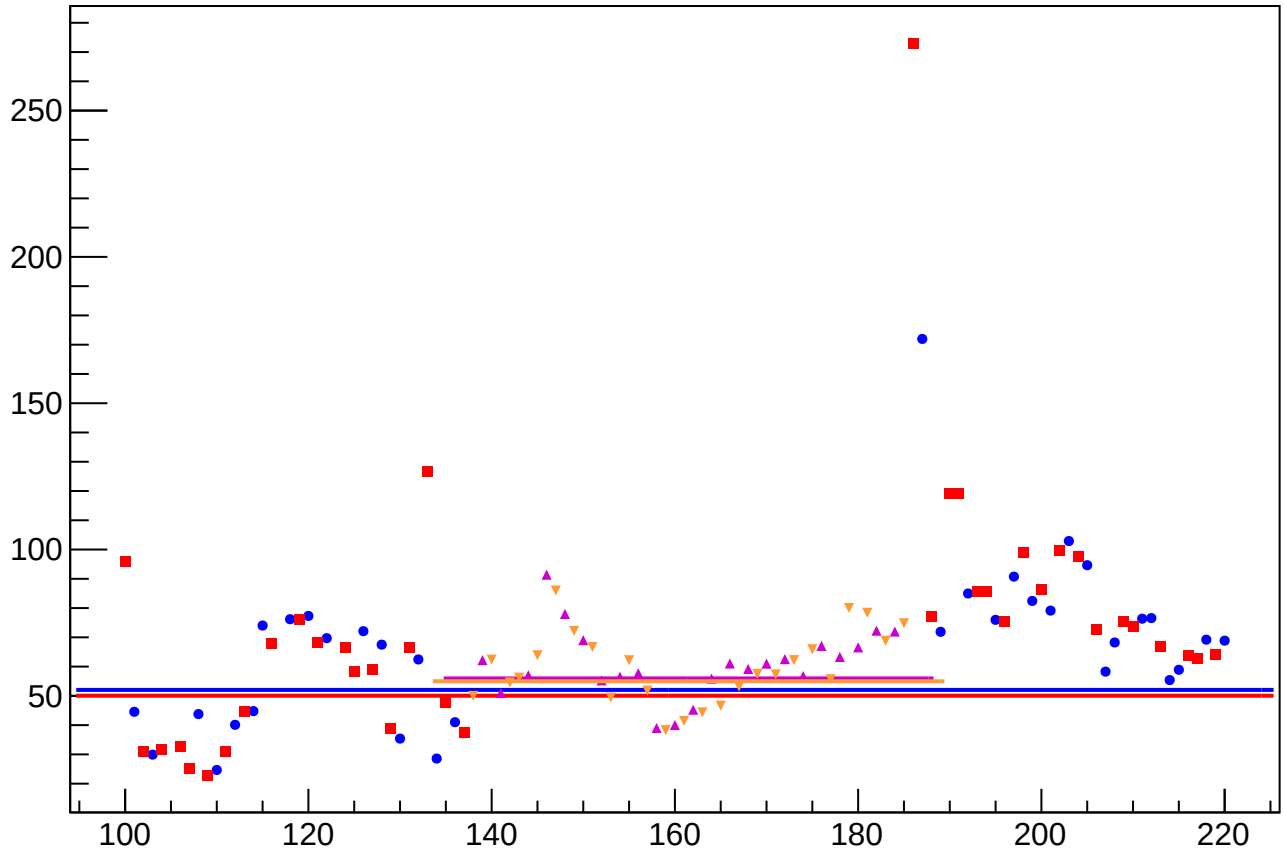
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.019+/-0.009 χ^2/NDF: 162.2/69

In: 0.004+/-0.009 χ^2/NDF:65.9/55

Out: 0.015+/-0.009 χ^2/NDF:138.4/61

All: 0.010+/-0.006 χ^2/NDF: 205.0/117



Right In: 52.036+/-0.009 χ^2/NDF: 5651992.2/32

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

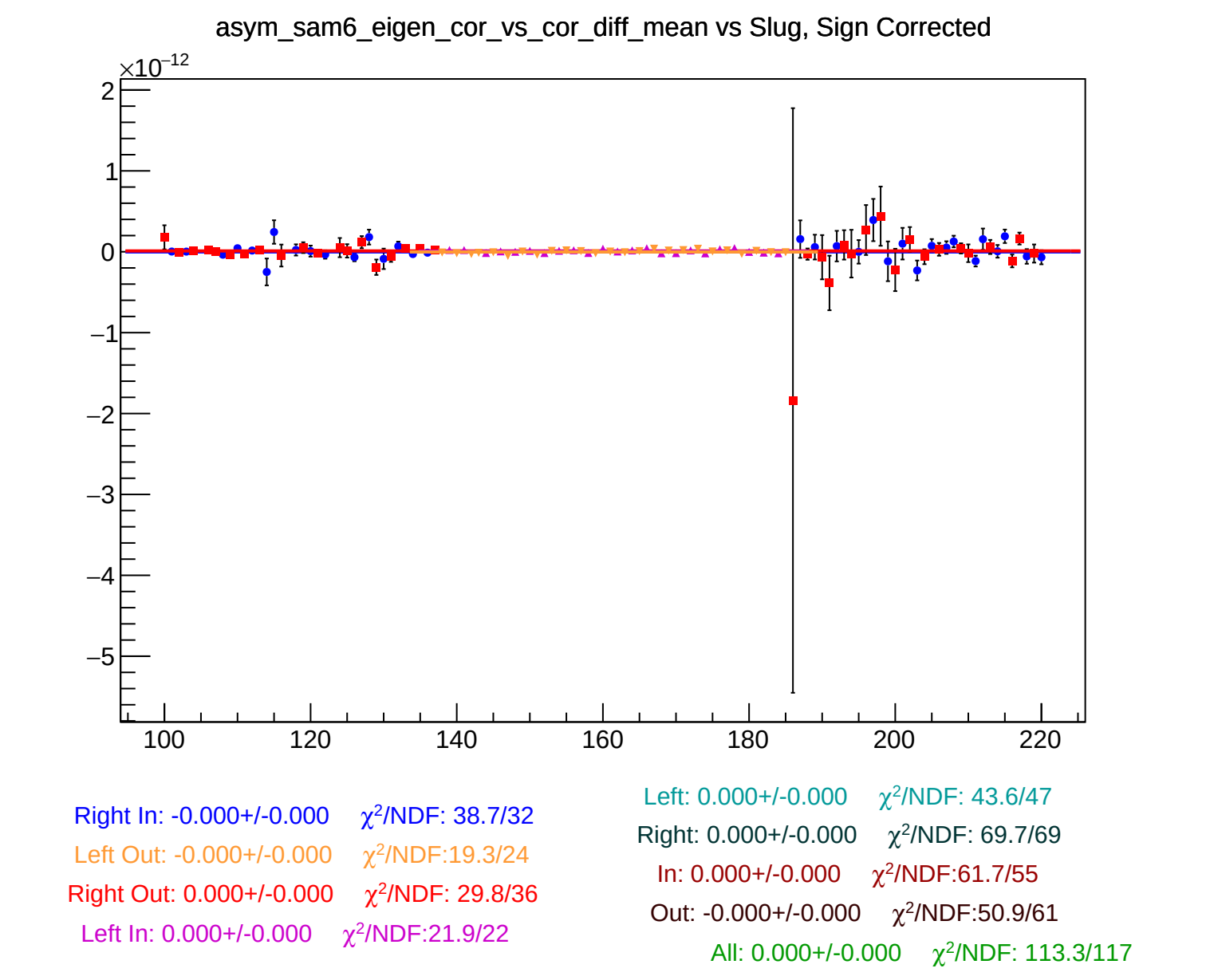
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

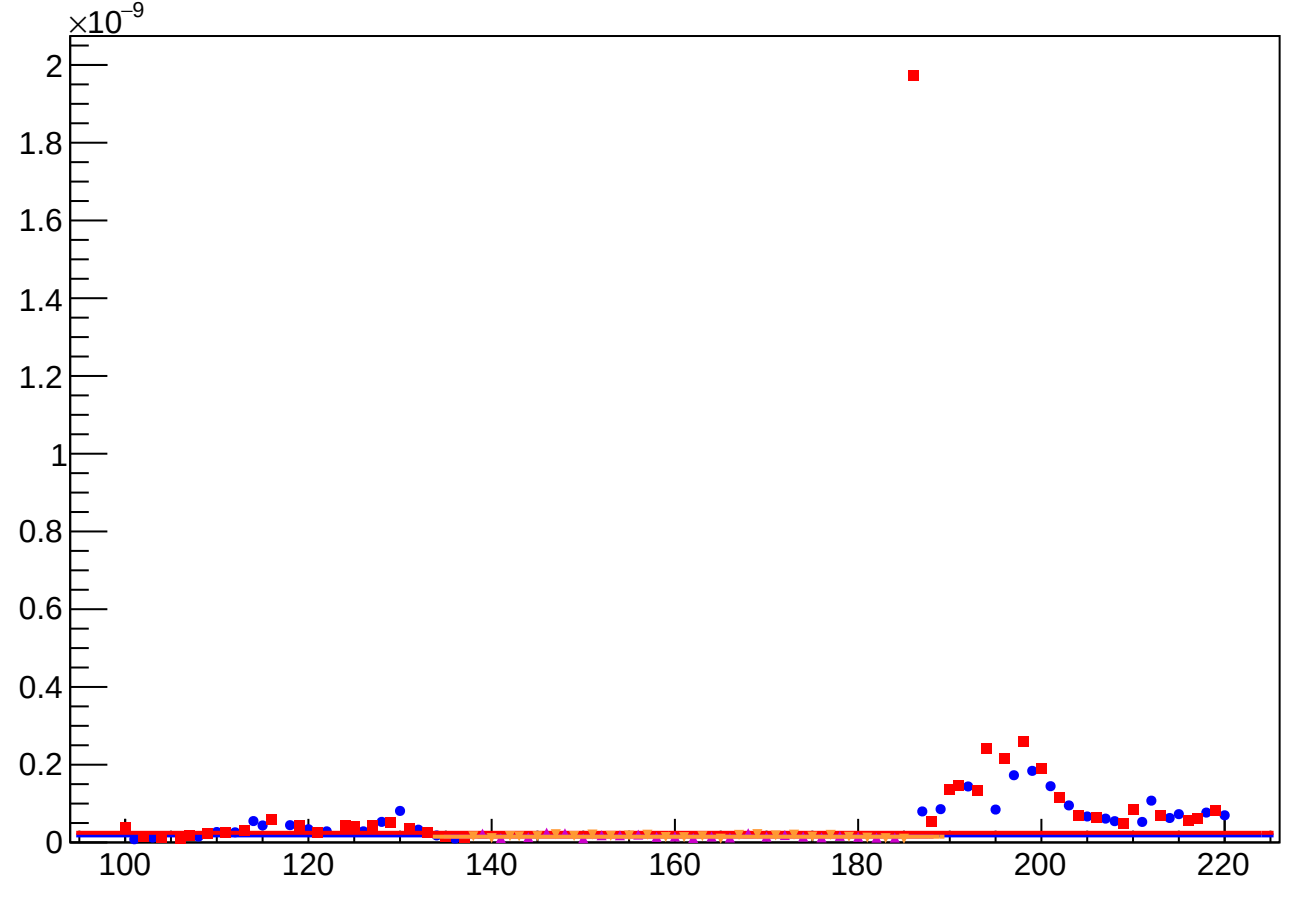
Right: 51.032+/-0.006 χ^2/NDF: 13539384.8/69

In: 53.841+/-0.006 χ^2/NDF:7148954.4/55

Out: 52.396+/-0.006 χ^2/NDF:9580974.2/61

All: 53.099+/-0.005 χ^2/NDF: 16755410.3/117


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
200
220
Right In: -0.000+/-0.000 χ²/NDF: 38.7/32
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.8/36
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: 69.7/69
In: 0.000+/-0.000 χ²/NDF:61.7/55
Out: -0.000+/-0.000 χ²/NDF:50.9/61
All: 0.000+/-0.000 χ²/NDF: 113.3/117



Right In: 0.000+/-0.000 χ^2/NDF: 15380048.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13058384.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

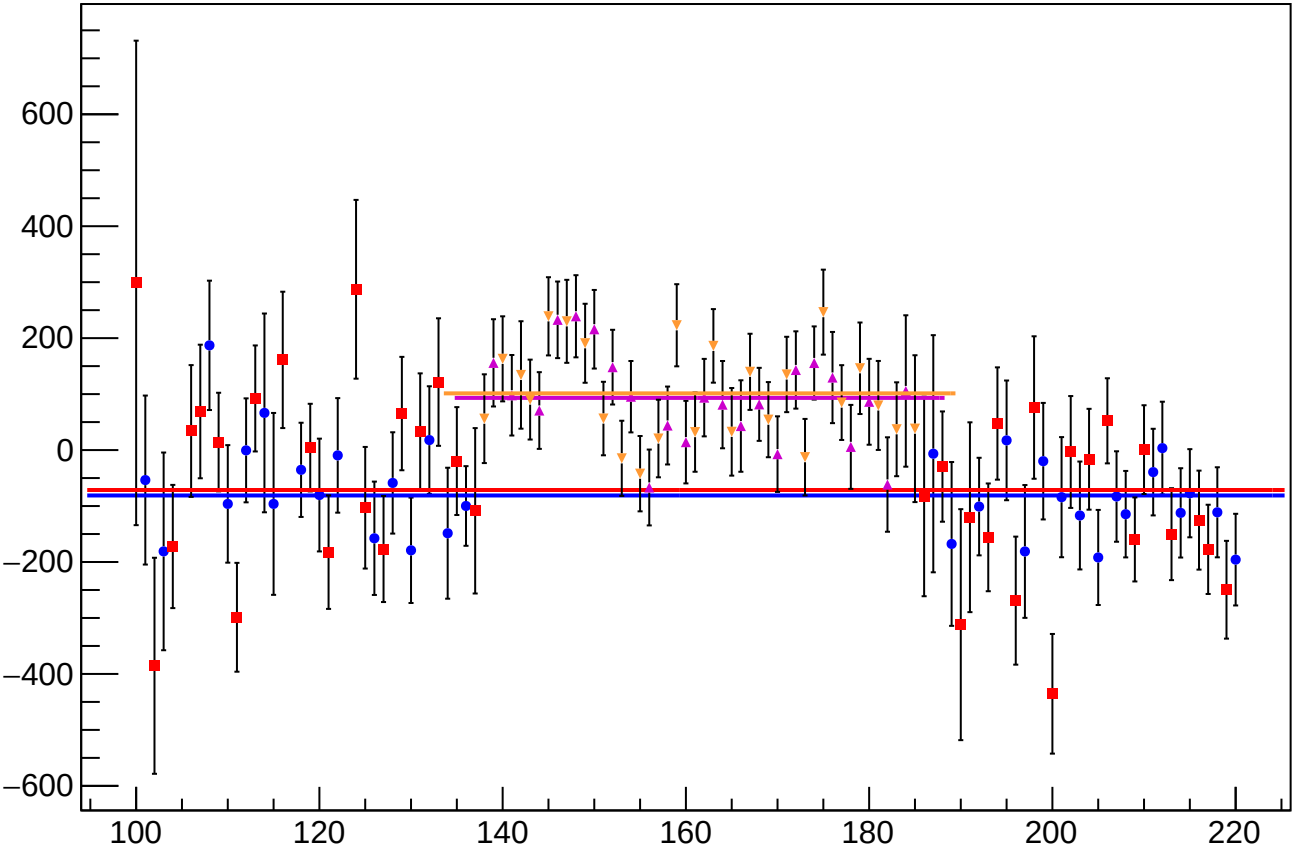
Right: 0.000+/-0.000 χ^2/NDF: 29169685.7/69

In: 0.000+/-0.000 χ^2/NDF:17116698.0/55

Out: 0.000+/-0.000 χ^2/NDF:16691882.4/61

All: 0.000+/-0.000 χ^2/NDF: 33857245.8/117

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -81.120+/-16.873 χ^2/NDF: 19.2/32

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -71.342+/-16.880 χ^2/NDF: 66.6/36

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

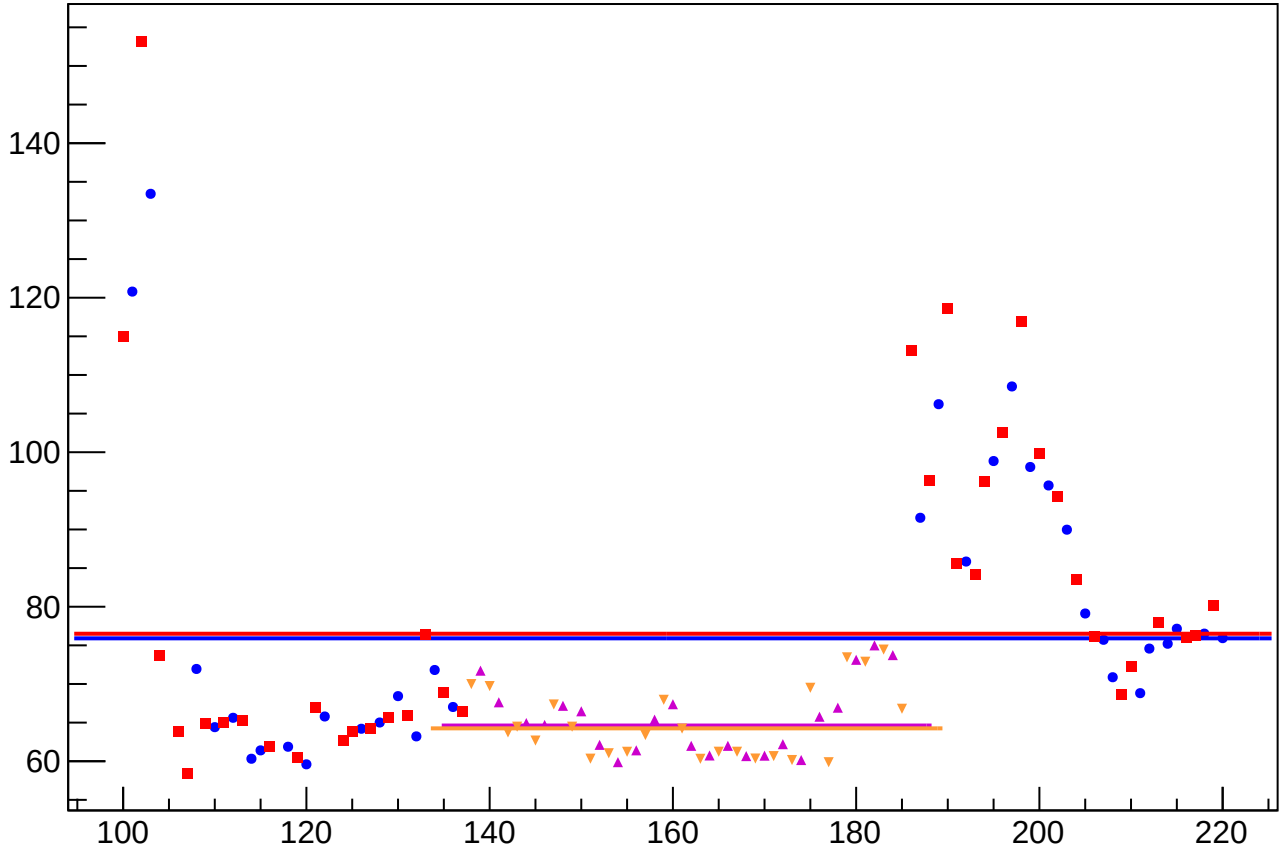
Right: -76.233+/-11.934 χ^2/NDF: 86.0/69

In: 15.489+/-11.267 χ^2/NDF:107.2/55

Out: 27.191+/-11.061 χ^2/NDF:160.2/61

All: 21.448+/-7.893 χ^2/NDF: 268.0/117

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.908+/-0.012 χ^2/NDF: 1332021.5/32

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.503+/-0.012 χ^2/NDF: 1615606.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

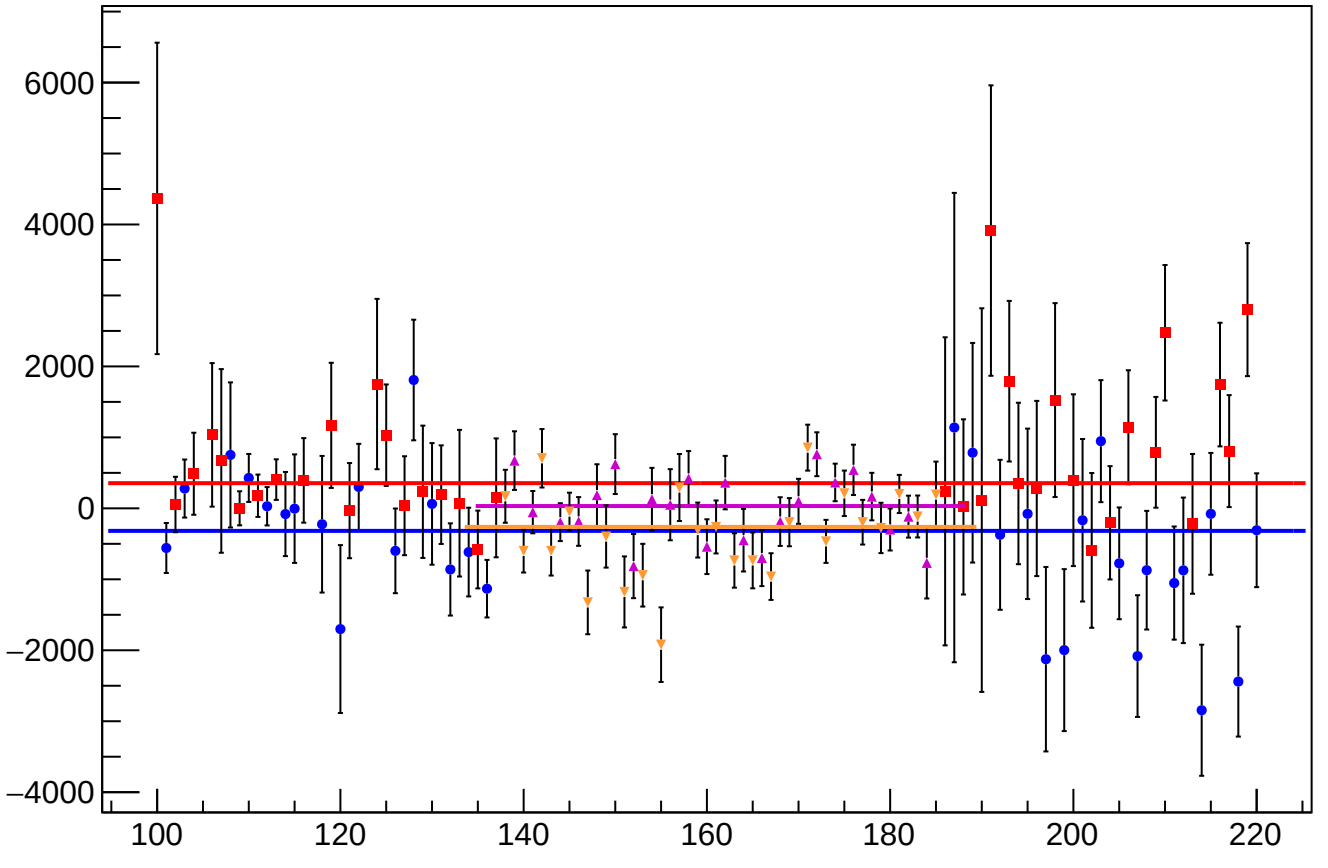
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.205+/-0.008 χ^2/NDF: 2948874.5/69

In: 69.654+/-0.008 χ^2/NDF:1975045.3/55

Out: 69.514+/-0.008 χ^2/NDF:2394154.3/61

All: 69.583+/-0.006 χ^2/NDF: 4369356.3/117



Right In: -317.436+/-110.883 χ^2/NDF: 52.9/32

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 354.968+/-106.269 χ^2/NDF: 36.8/36

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

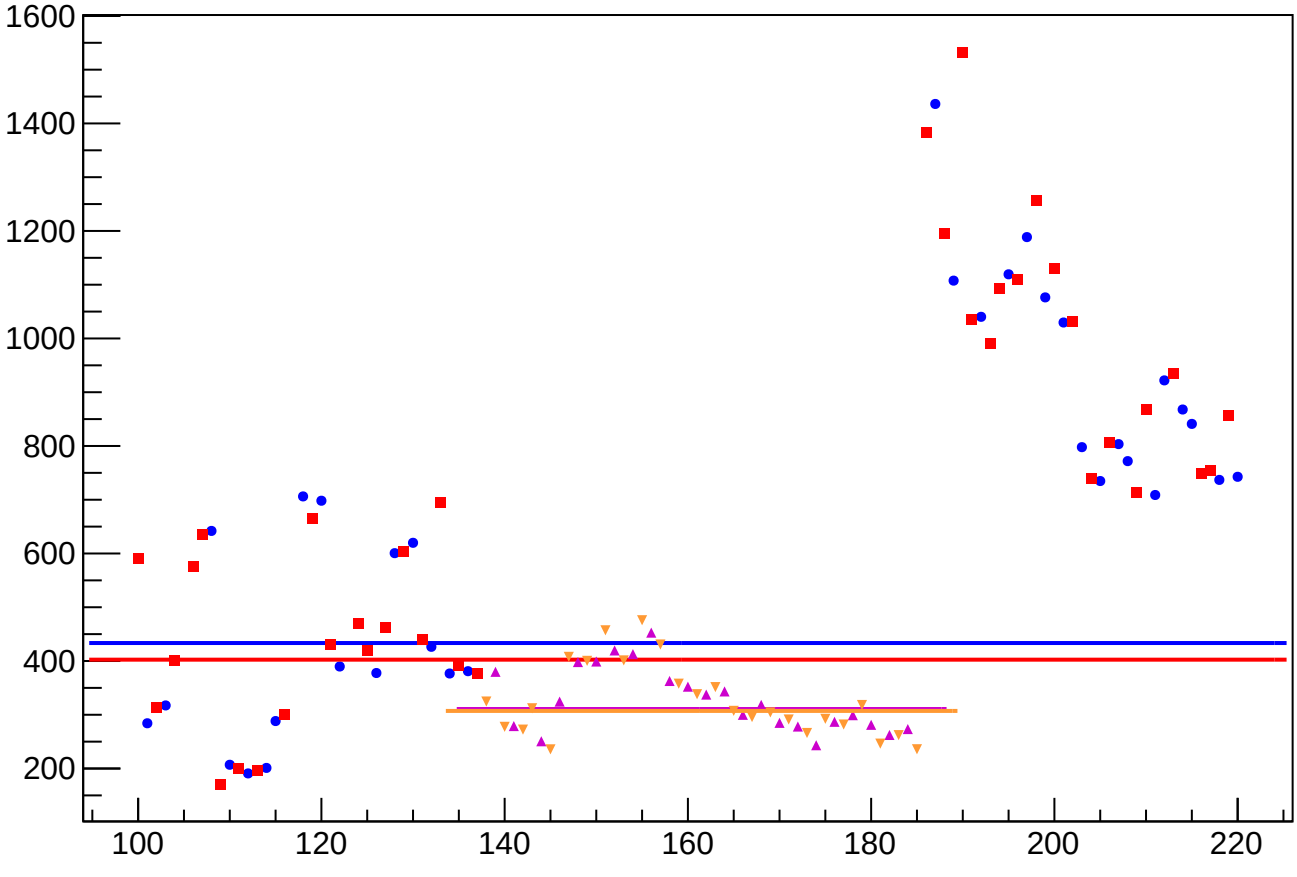
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 33.044+/-76.723 χ^2/NDF: 108.8/69

In: -75.055+/-61.458 χ^2/NDF:91.5/55

Out: -69.995+/-59.190 χ^2/NDF:118.7/61

All: -72.430+/-42.633 χ^2/NDF: 210.2/117



Right In: 433.447+/-0.078 χ^2/NDF: 11273356.1/32

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 402.495+/-0.075 χ^2/NDF: 13899248.0/36

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

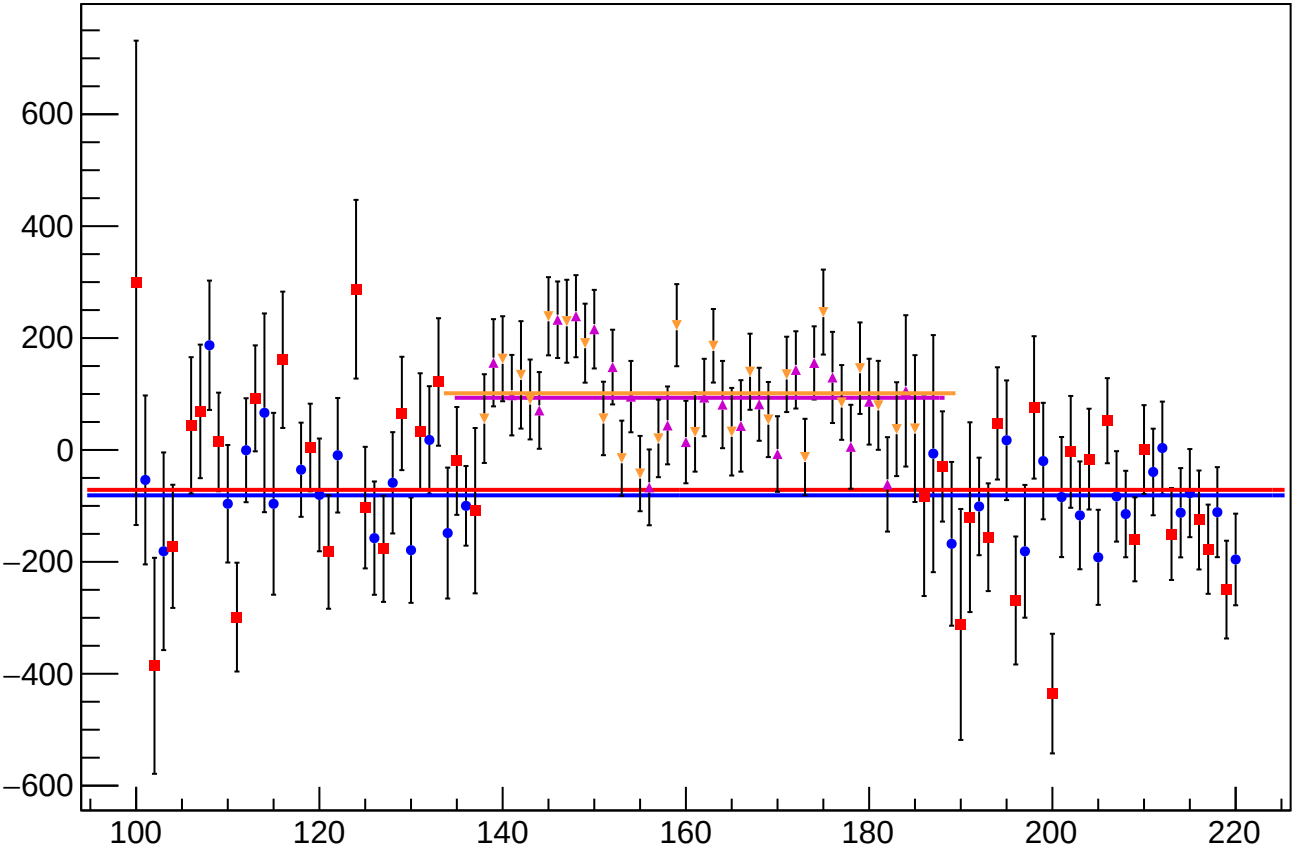
Right: 417.314+/-0.054 χ^2/NDF: 25253829.4/69

In: 348.407+/-0.043 χ^2/NDF:14050862.8/55

Out: 336.724+/-0.042 χ^2/NDF:16330057.6/61

All: 342.346+/-0.030 χ^2/NDF: 30418412.1/11

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -81.121+/-16.873 χ^2/NDF: 19.2/32

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -71.294+/-16.892 χ^2/NDF: 66.7/36

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

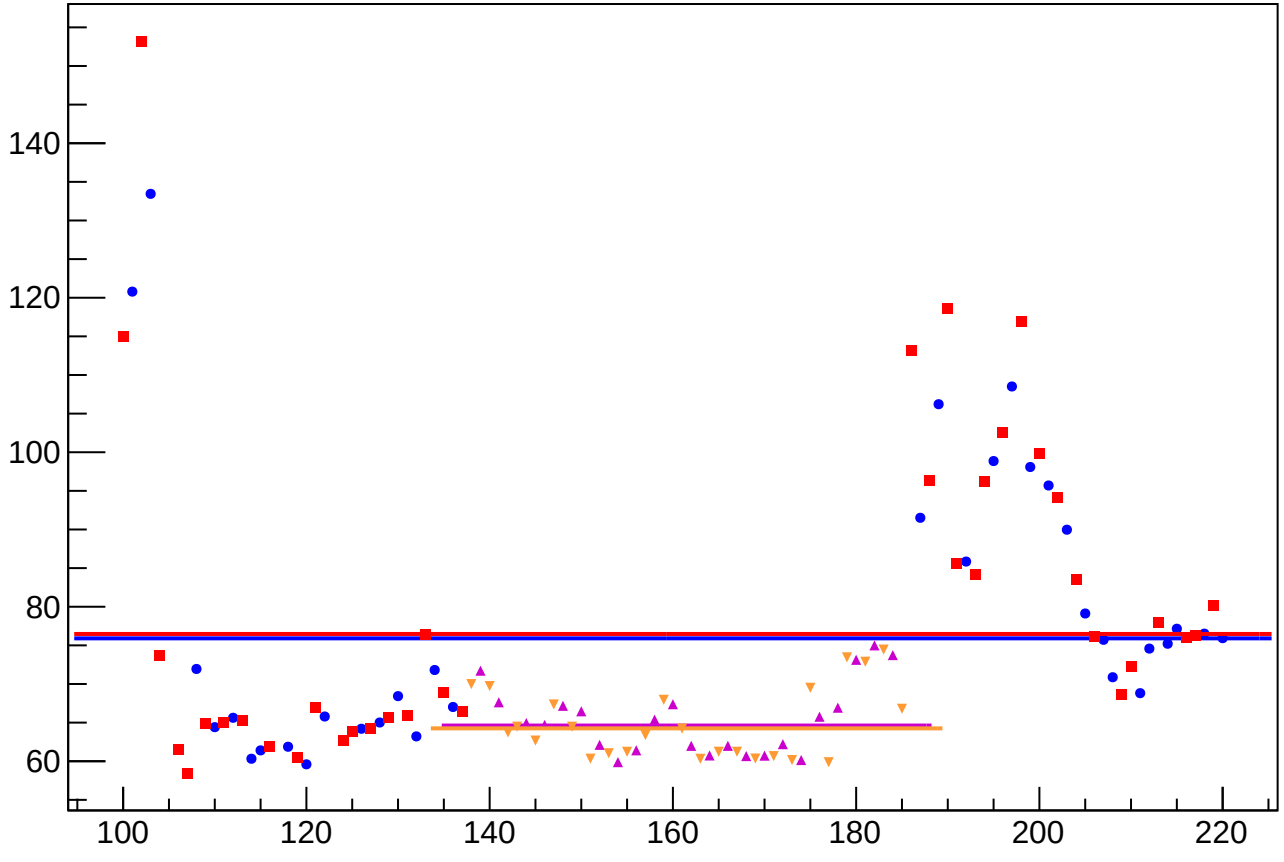
Right: -76.213+/-11.938 χ^2/NDF: 86.1/69

In: 15.488+/-11.267 χ^2/NDF:107.2/55

Out: 27.269+/-11.064 χ^2/NDF:160.2/61

All: 21.486+/-7.894 χ^2/NDF: 268.0/117

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.908+/-0.012 χ^2/NDF: 1332021.9/32

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

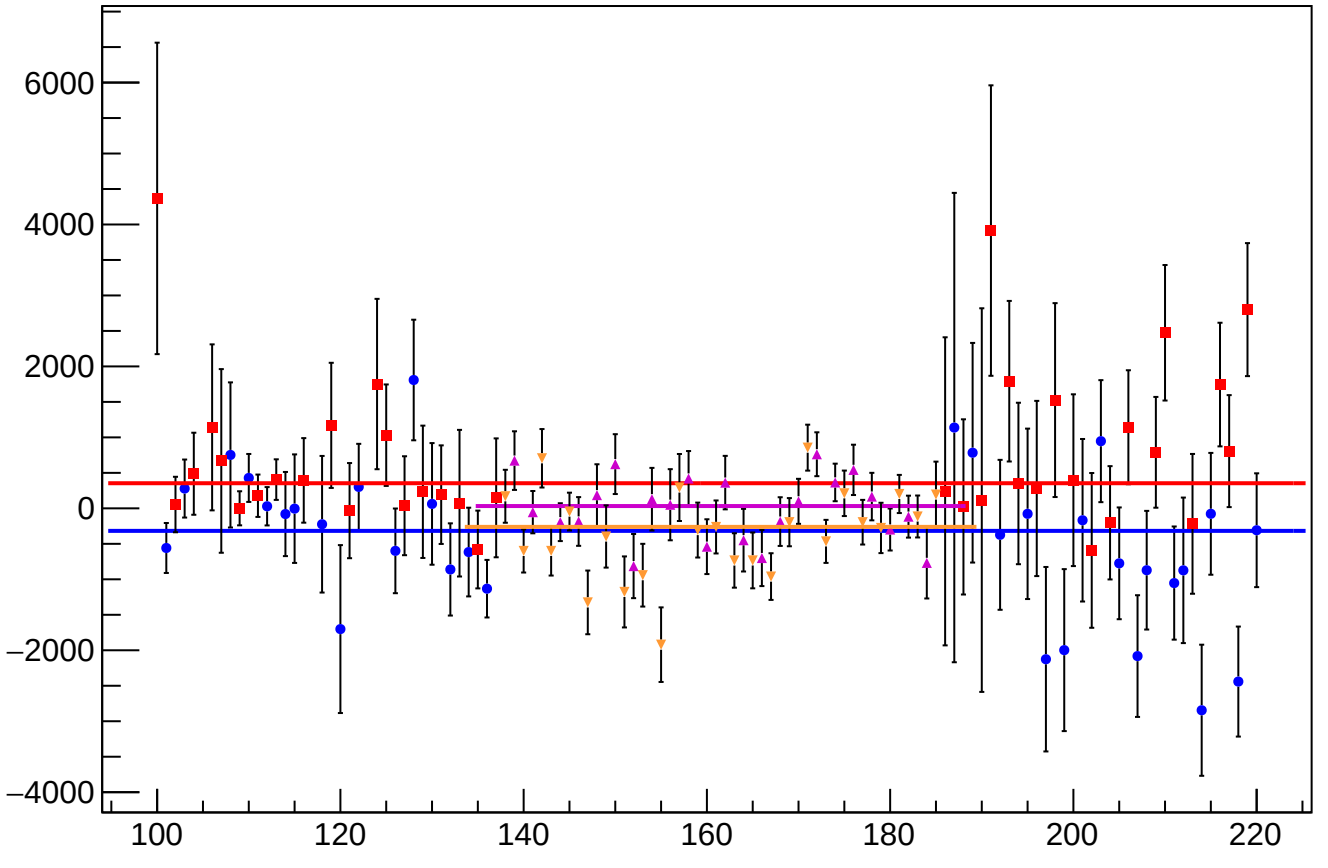
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.191+/-0.008 χ^2/NDF: 2956039.2/69

In: 69.654+/-0.008 χ^2/NDF:1975045.6/55

Out: 69.498+/-0.008 χ^2/NDF:2398192.9/61

All: 69.574+/-0.006 χ^2/NDF: 4373433.7/117



Right In: -317.435+/-110.883 χ^2/NDF: 52.9/32

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 353.960+/-106.421 χ^2/NDF: 36.8/36

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

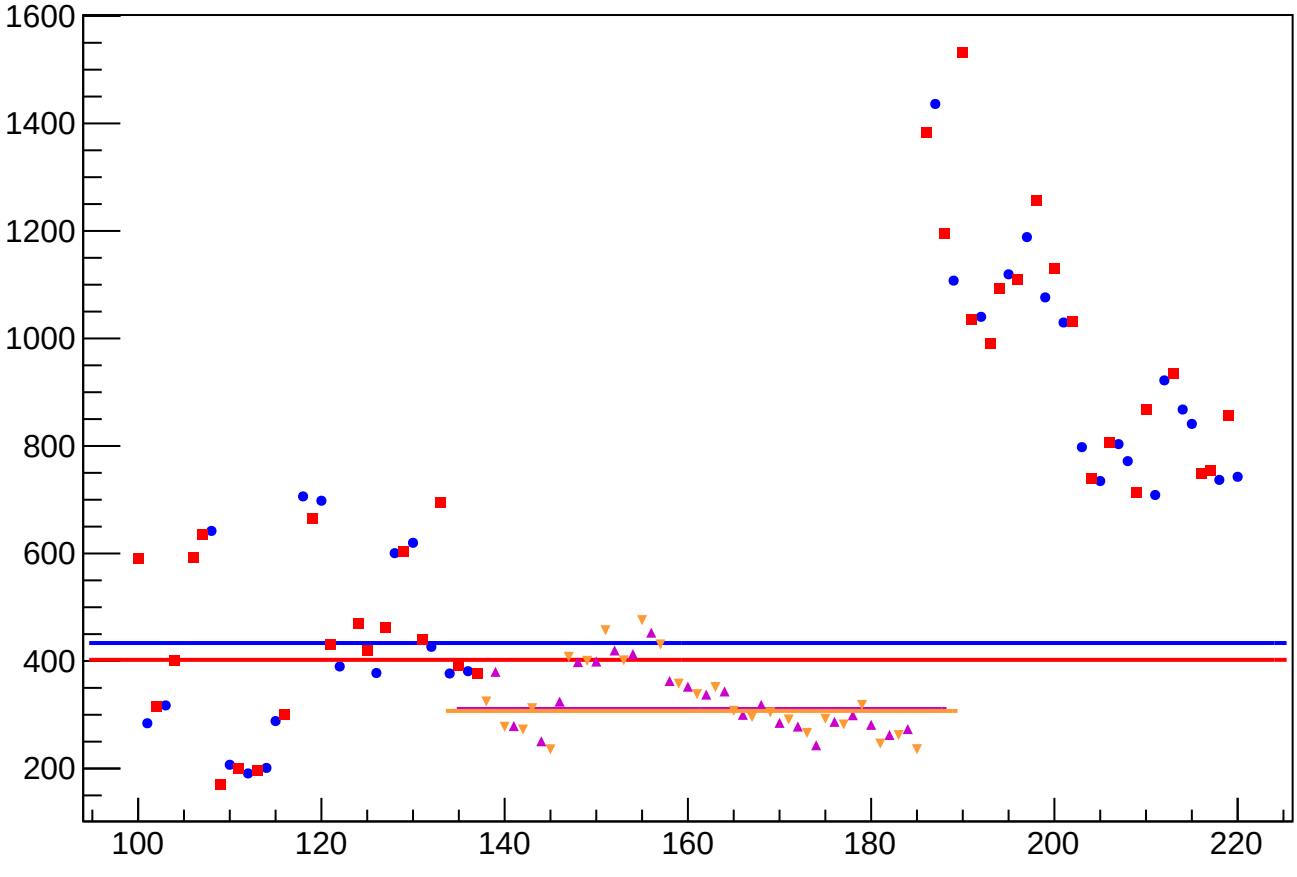
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 32.042+/-76.780 χ^2/NDF: 108.7/69

In: -75.056+/-61.458 χ^2/NDF:91.5/55

Out: -70.684+/-59.216 χ^2/NDF:118.6/61

All: -72.789+/-42.643 χ^2/NDF: 210.1/117



Right In: 433.449+/-0.078 χ^2/NDF: 11273274.8/32

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 402.178+/-0.075 χ^2/NDF: 13893593.6/36

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

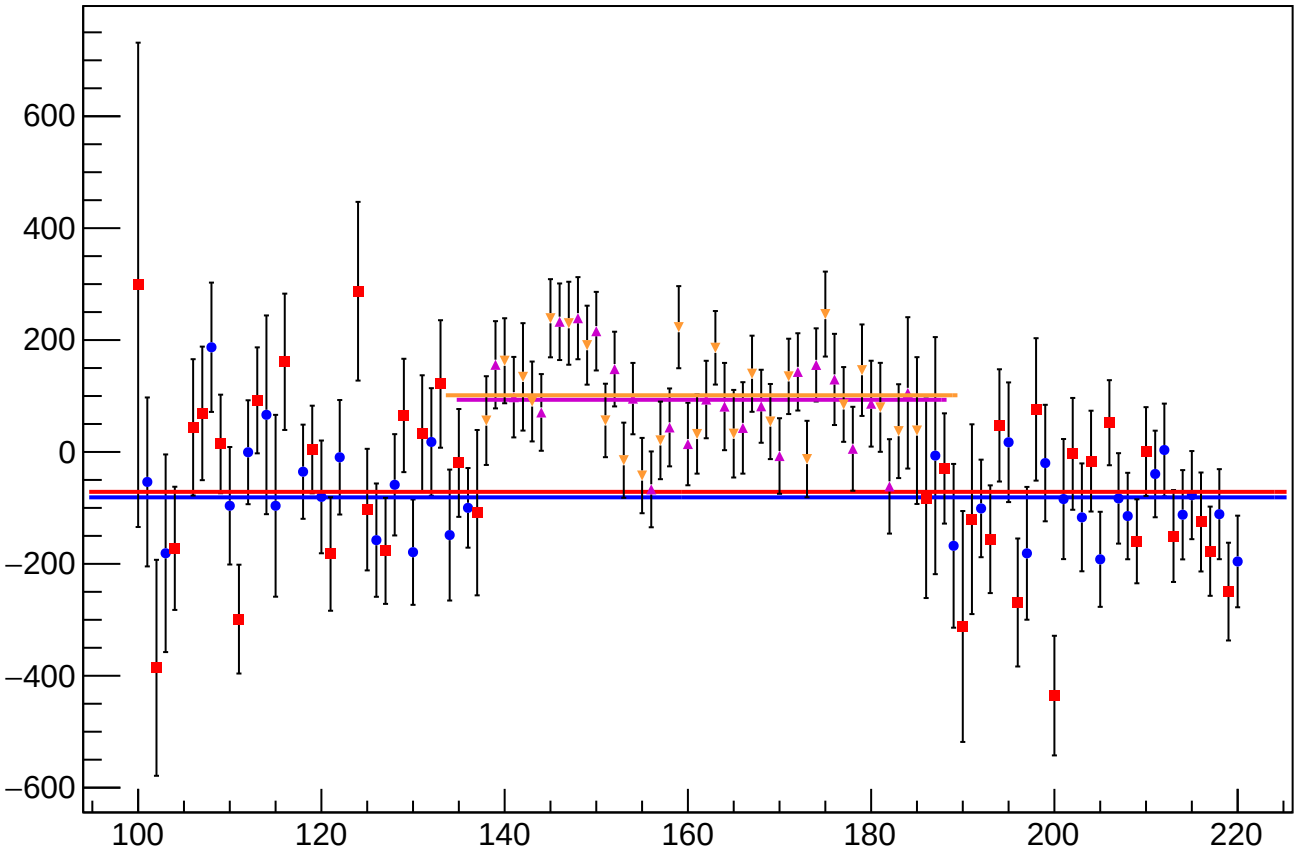
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 417.172+/-0.054 χ^2/NDF: 25249667.0/69

In: 348.407+/-0.043 χ^2/NDF:14050844.4/55

Out: 336.568+/-0.042 χ^2/NDF:16314854.3/61

All: 342.268+/-0.030 χ^2/NDF: 30404189.6/1



Right In: -81.121+/-16.873 χ^2/NDF: 19.2/32

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -71.294+/-16.892 χ^2/NDF: 66.7/36

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

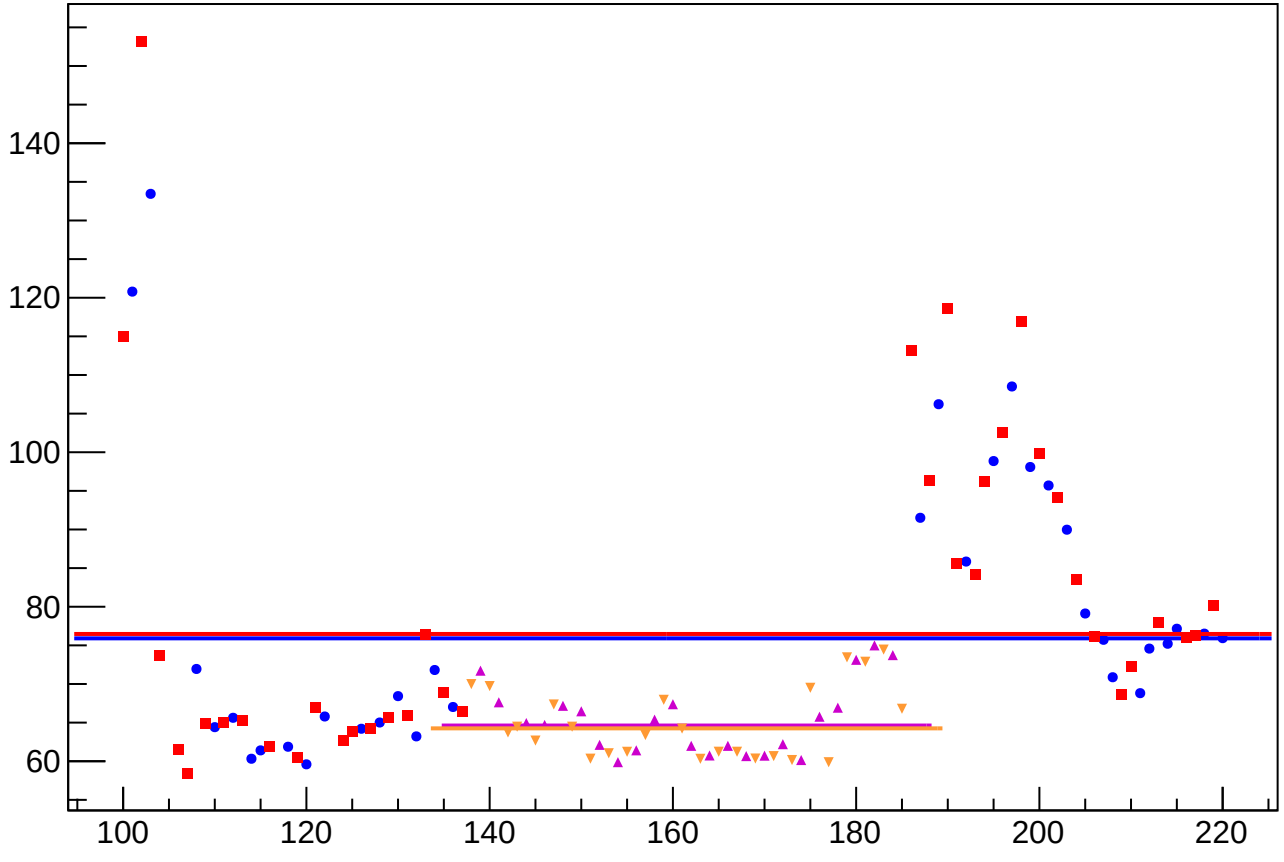
Right: -76.213+/-11.938 χ^2/NDF: 86.1/69

In: 15.488+/-11.267 χ^2/NDF:107.2/55

Out: 27.269+/-11.064 χ^2/NDF:160.2/61

All: 21.486+/-7.894 χ^2/NDF: 268.0/117

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.908+/-0.012 χ^2/NDF: 1332021.9/32

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

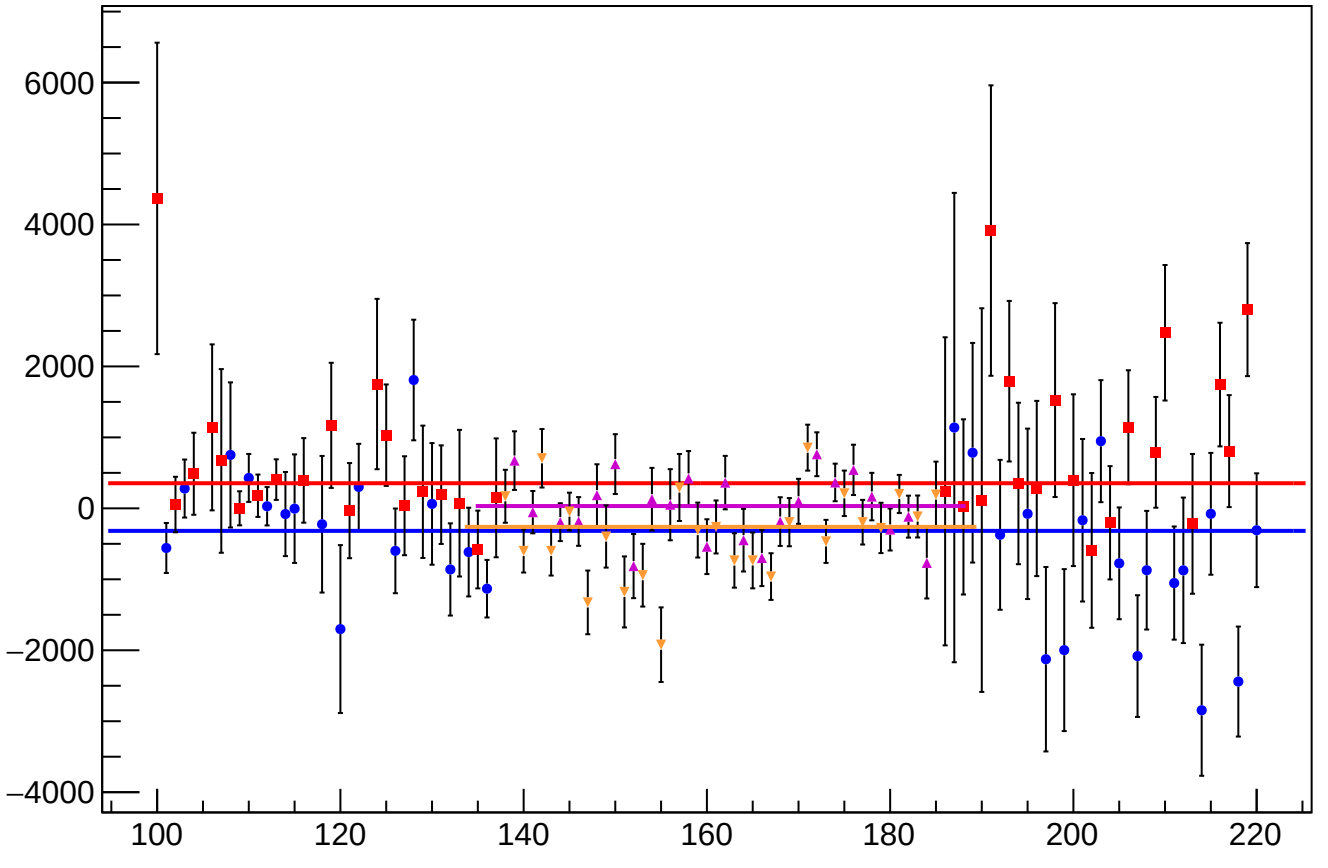
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.191+/-0.008 χ^2/NDF: 2956039.2/69

In: 69.654+/-0.008 χ^2/NDF:1975045.6/55

Out: 69.498+/-0.008 χ^2/NDF:2398192.9/61

All: 69.574+/-0.006 χ^2/NDF: 4373433.7/117



Right In: -317.435+/-110.883 χ^2/NDF: 52.9/32

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 353.960+/-106.421 χ^2/NDF: 36.8/36

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

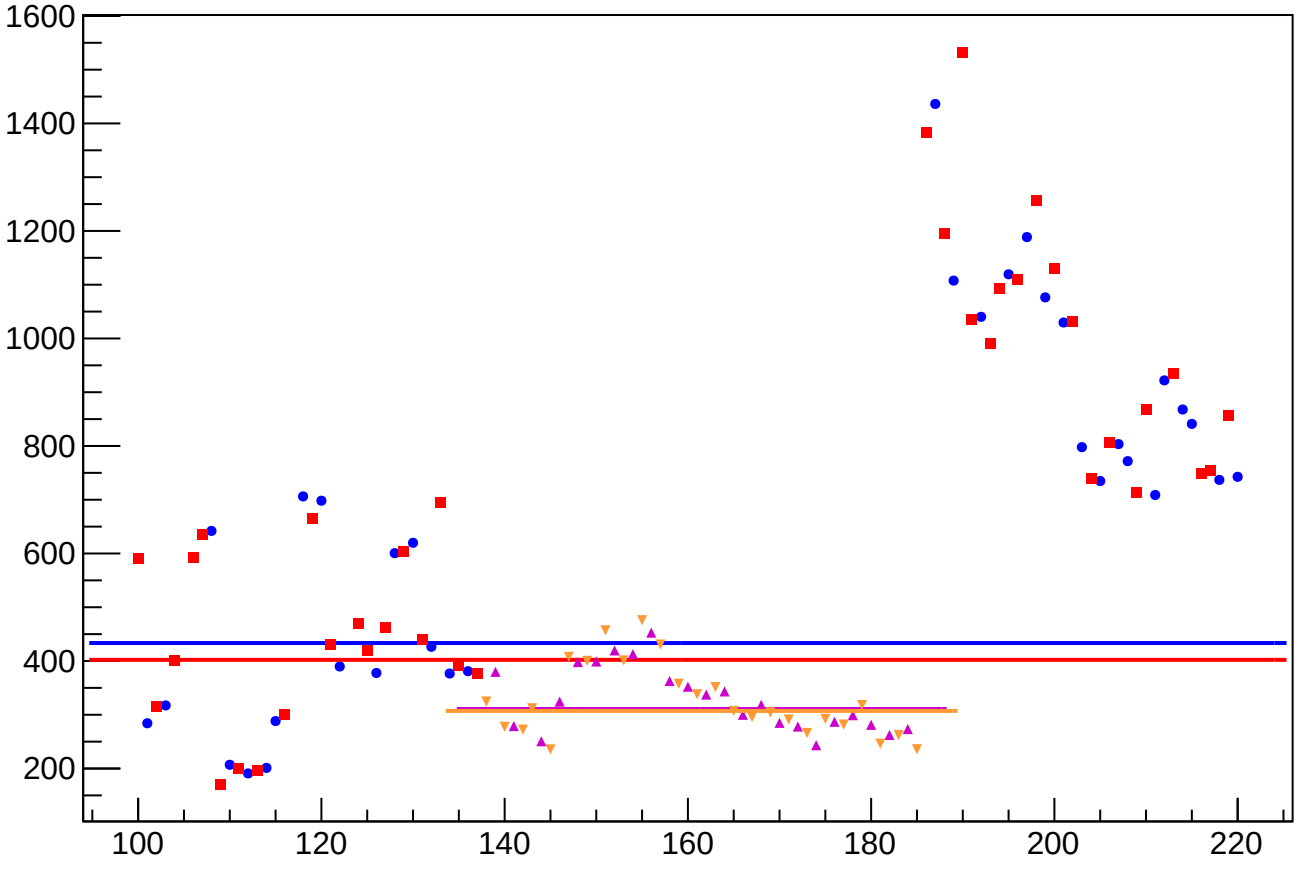
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 32.042+/-76.780 χ^2/NDF: 108.7/69

In: -75.056+/-61.458 χ^2/NDF:91.5/55

Out: -70.684+/-59.216 χ^2/NDF:118.6/61

All: -72.789+/-42.643 χ^2/NDF: 210.1/117



Right In: 433.449+/-0.078 χ^2/NDF: 11273274.8/32

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 402.178+/-0.075 χ^2/NDF: 13893593.6/36

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

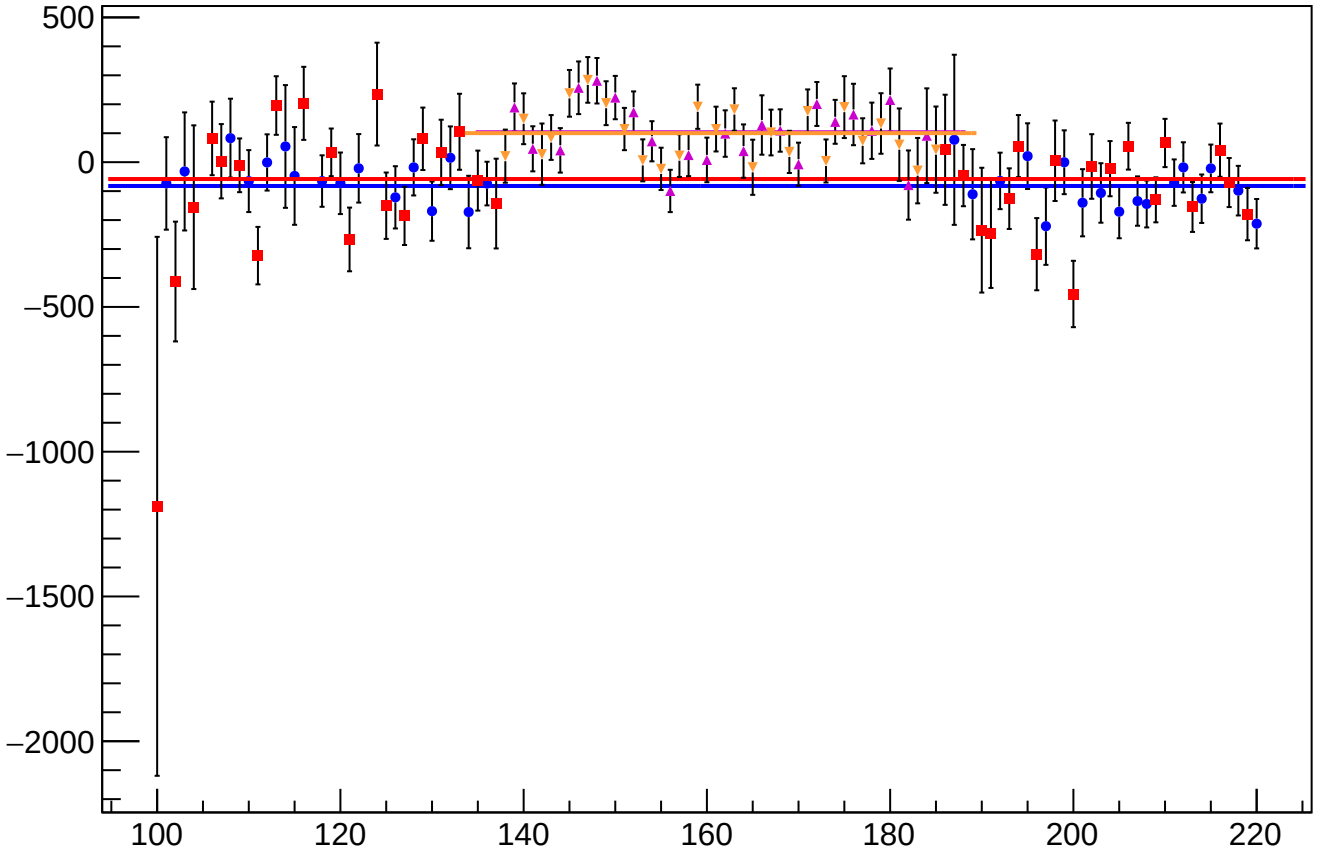
Right: 417.172+/-0.054 χ^2/NDF: 25249667.0/69

In: 348.407+/-0.043 χ^2/NDF:14050844.4/55

Out: 336.568+/-0.042 χ^2/NDF:16314854.3/61

All: 342.268+/-0.030 χ^2/NDF: 30404189.6/11

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -82.239+/-18.042 χ^2/NDF: 14.4/32

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -58.175+/-18.145 χ^2/NDF: 67.6/36

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

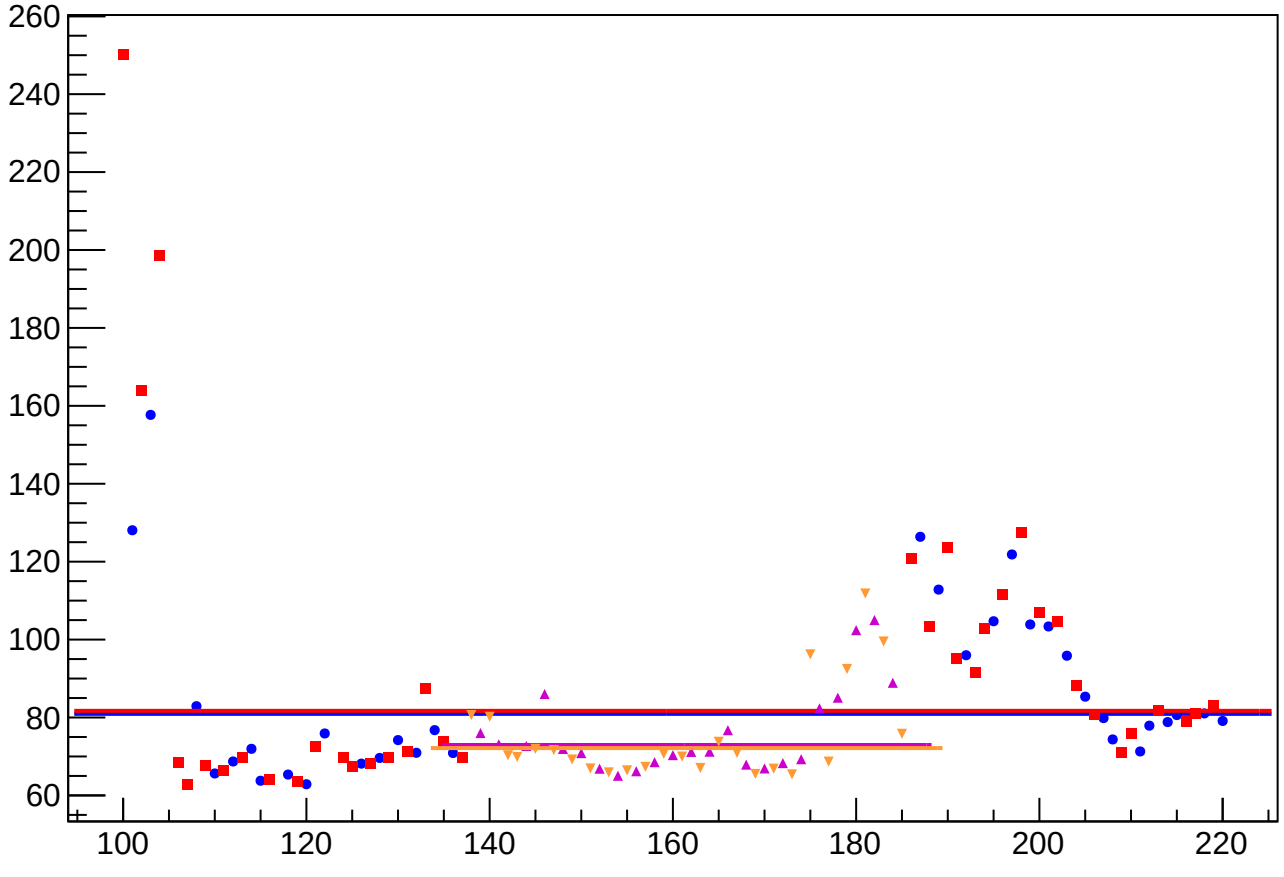
Right: -70.276+/-12.794 χ^2/NDF: 82.9/69

In: 14.670+/-12.472 χ^2/NDF:102.4/55

Out: 27.964+/-12.258 χ^2/NDF:136.7/61

All: 21.432+/-8.742 χ^2/NDF: 239.7/117

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 80.942+/-0.013 χ^2/NDF: 1506362.0/32

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.711+/-0.013 χ^2/NDF: 2129311.2/36

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

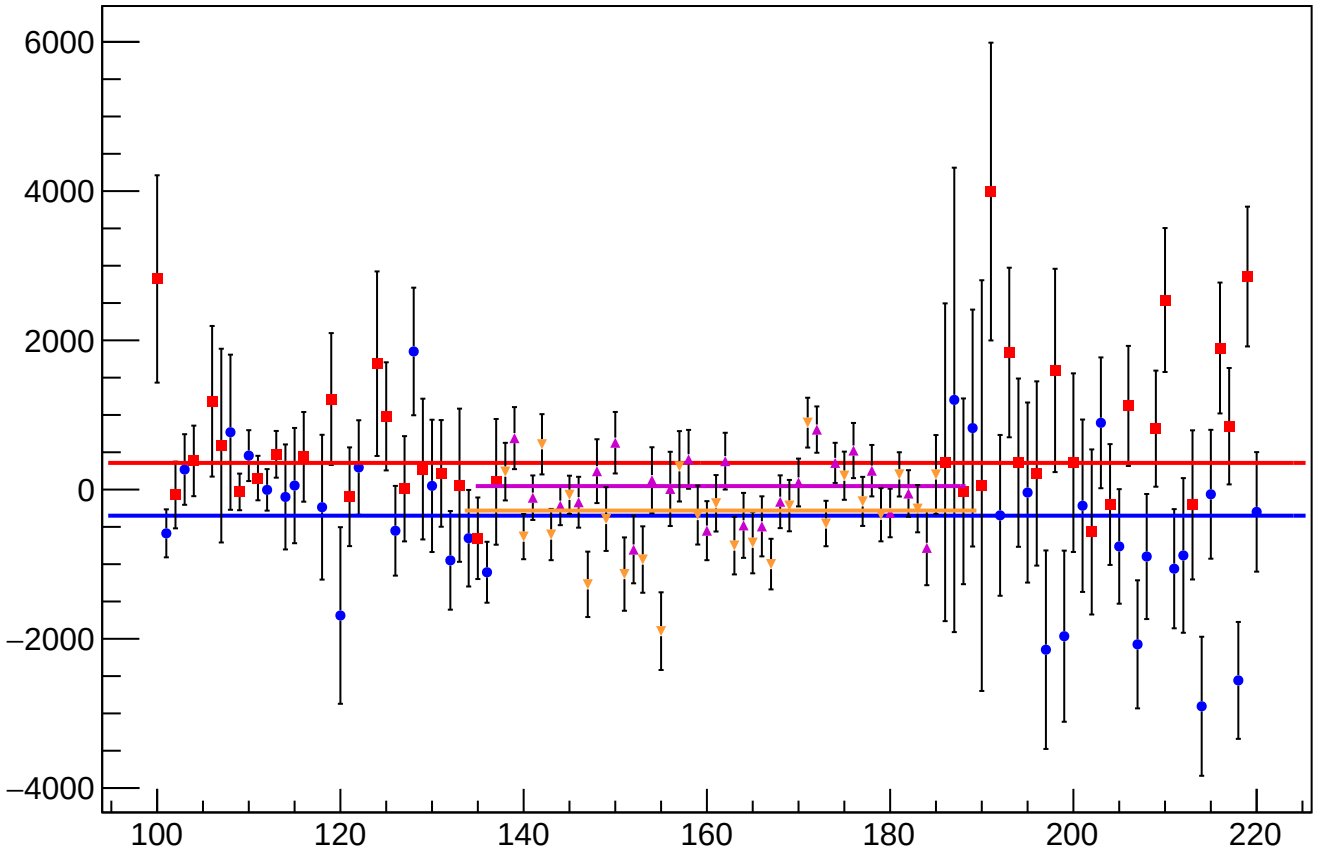
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.324+/-0.009 χ^2/NDF: 3637478.3/69

In: 76.768+/-0.009 χ^2/NDF:2220376.0/55

Out: 76.513+/-0.009 χ^2/NDF:3073151.1/61

All: 76.638+/-0.006 χ^2/NDF: 5293952.9/117



Right In: -349.995+/-112.721 χ^2/NDF: 52.8/32

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 357.432+/-108.017 χ^2/NDF: 39.5/36

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

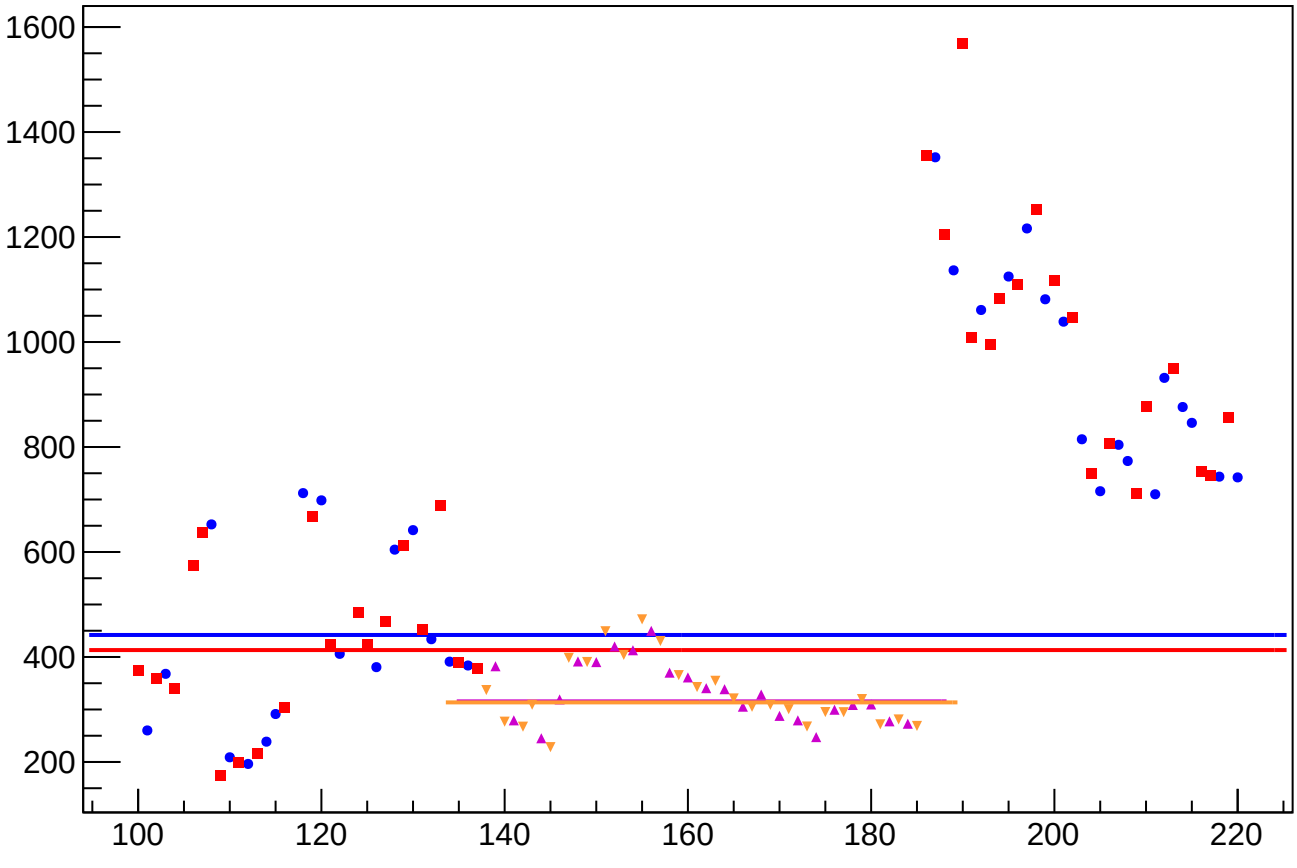
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 18.786+/-77.990 χ^2/NDF: 112.8/69

In: -74.888+/-62.382 χ^2/NDF:92.1/55

Out: -82.715+/-60.219 χ^2/NDF:120.4/61

All: -78.939+/-43.326 χ^2/NDF: 212.5/117



Right In: 441.943+/-0.080 χ^2/NDF: 11103416.1/32

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 413.179+/-0.076 χ^2/NDF: 13387406.9/36

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

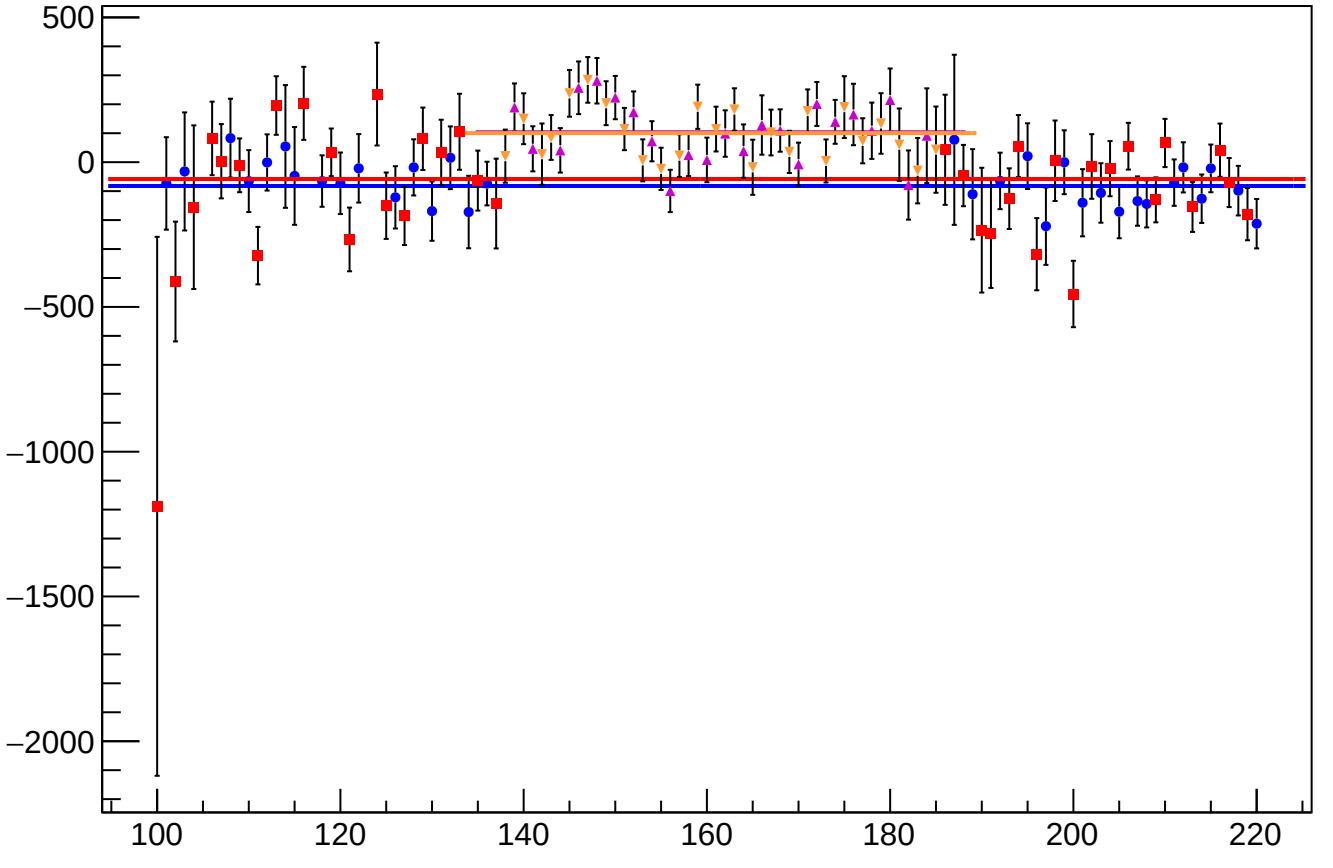
Right: 426.948+/-0.055 χ^2/NDF: 24558714.2/69

In: 354.195+/-0.044 χ^2/NDF:13858991.3/55

Out: 344.481+/-0.043 χ^2/NDF:15736726.5/61

All: 349.167+/-0.031 χ^2/NDF: 29620824.0/11

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -82.238+/-18.042 χ^2/NDF: 14.4/32

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -58.177+/-18.145 χ^2/NDF: 67.6/36

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

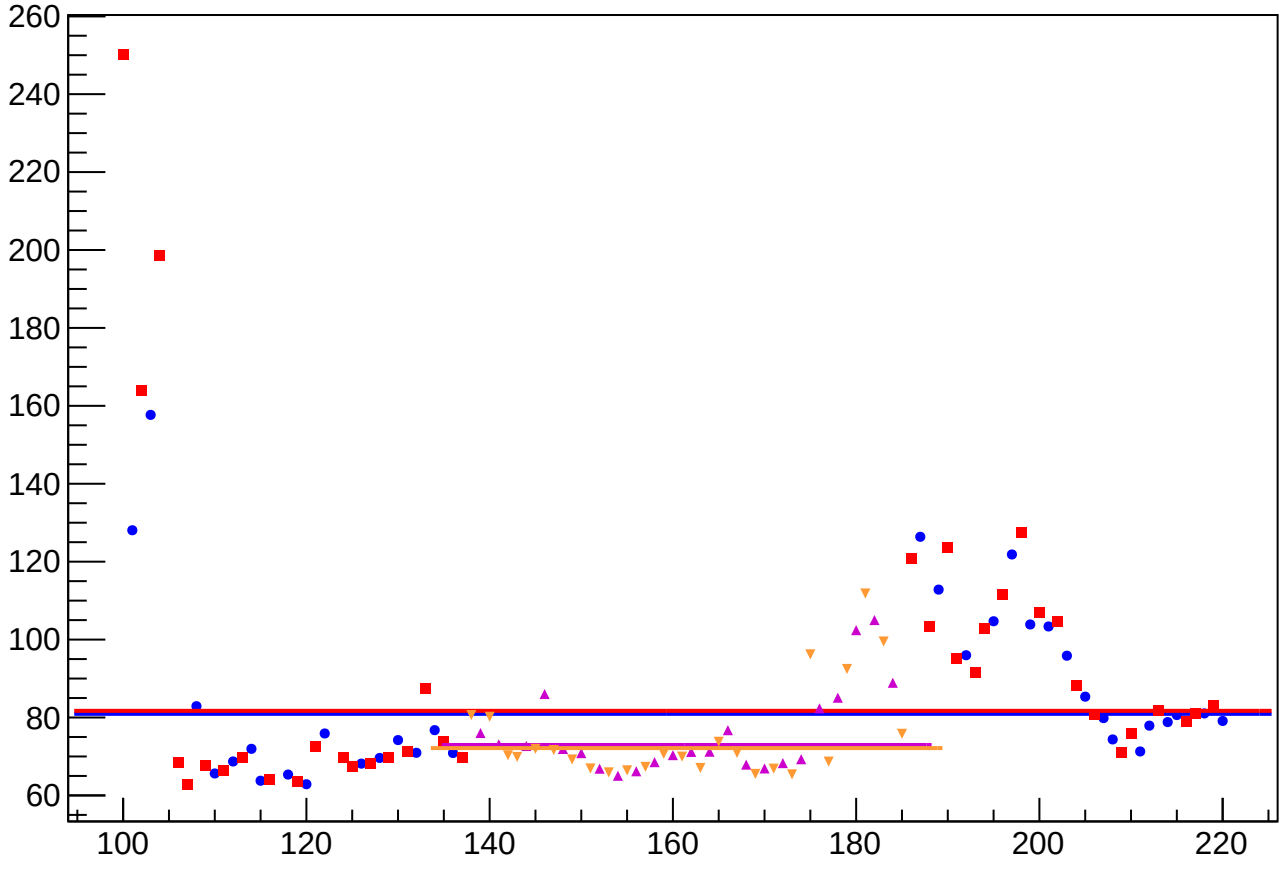
Right: -70.276+/-12.794 χ^2/NDF: 82.9/69

In: 14.670+/-12.472 χ^2/NDF:102.4/55

Out: 27.963+/-12.258 χ^2/NDF:136.7/61

All: 21.432+/-8.742 χ^2/NDF: 239.7/117

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 80.942+/-0.013 χ^2/NDF: 1506368.8/32

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.711+/-0.013 χ^2/NDF: 2129312.6/36

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

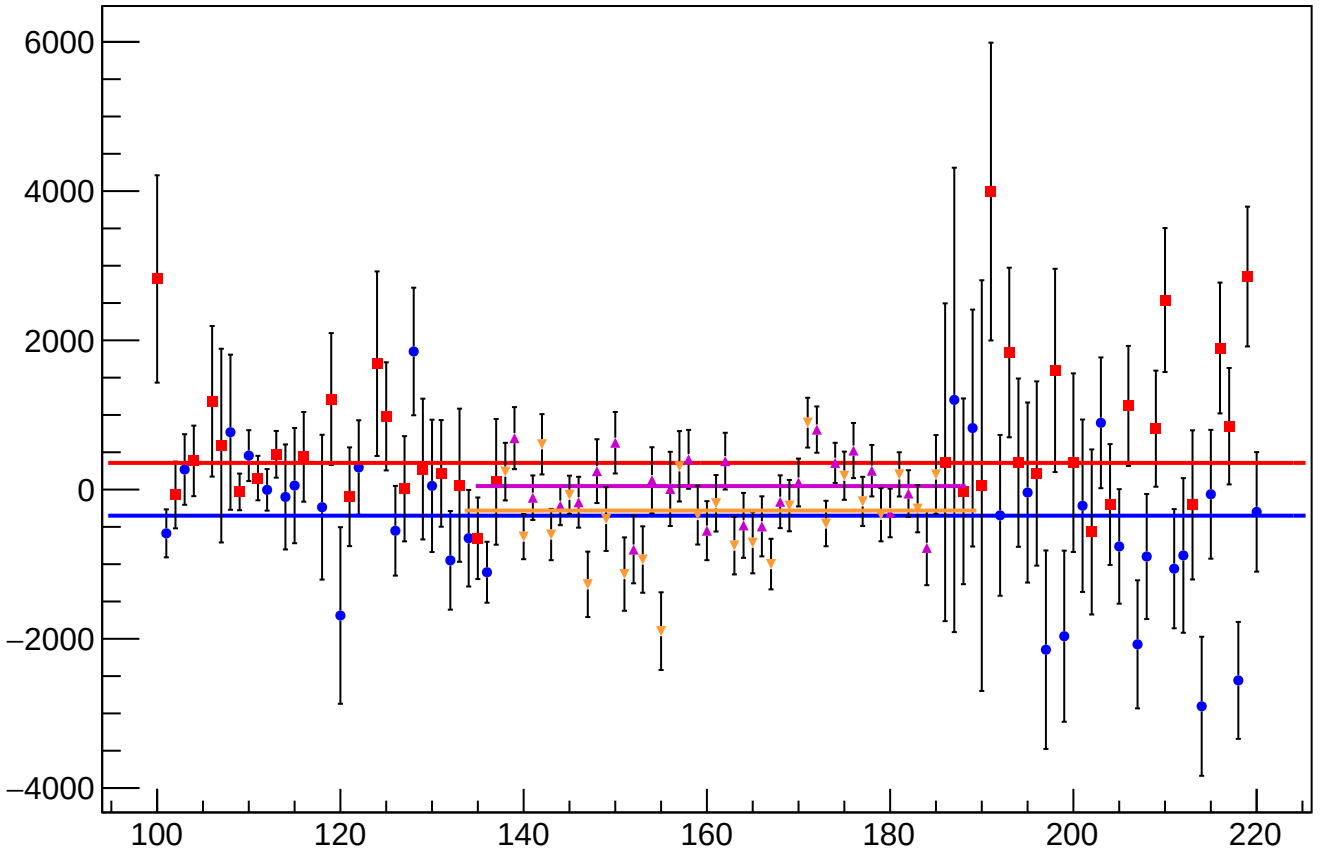
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 81.324+/-0.009 χ^2/NDF: 3637486.3/69

In: 76.768+/-0.009 χ^2/NDF:2220379.8/55

Out: 76.513+/-0.009 χ^2/NDF:3073143.9/61

All: 76.638+/-0.006 χ^2/NDF: 5293949.5/117



Right In: -349.991+/-112.721 χ^2/NDF: 52.8/32

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 357.430+/-108.017 χ^2/NDF: 39.5/36

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

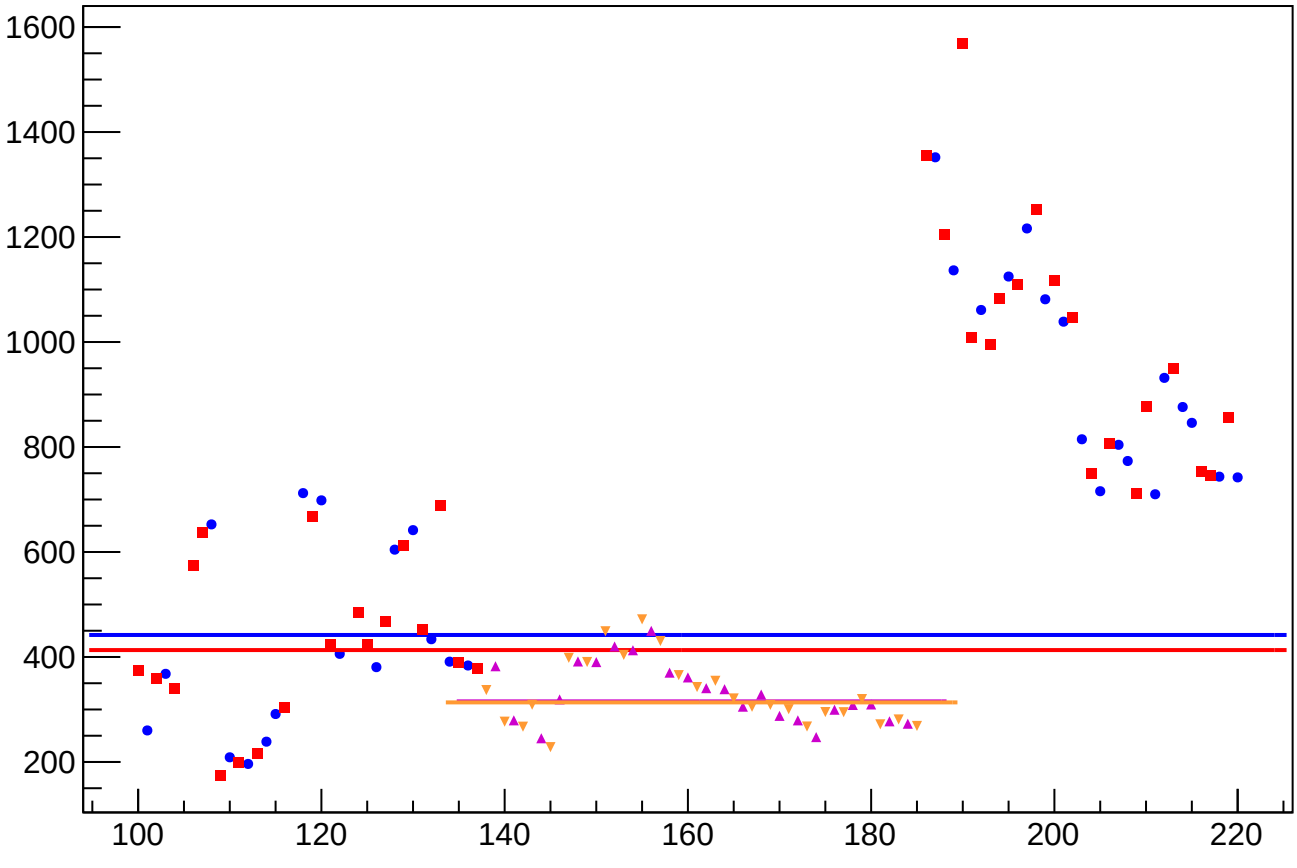
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 18.786+/-77.989 χ^2/NDF: 112.8/69

In: -74.888+/-62.382 χ^2/NDF:92.1/55

Out: -82.715+/-60.219 χ^2/NDF:120.4/61

All: -78.939+/-43.326 χ^2/NDF: 212.5/117



Right In: 441.940+/-0.080 χ^2/NDF: 11103552.7/32

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 413.177+/-0.076 χ^2/NDF: 13387486.1/36

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

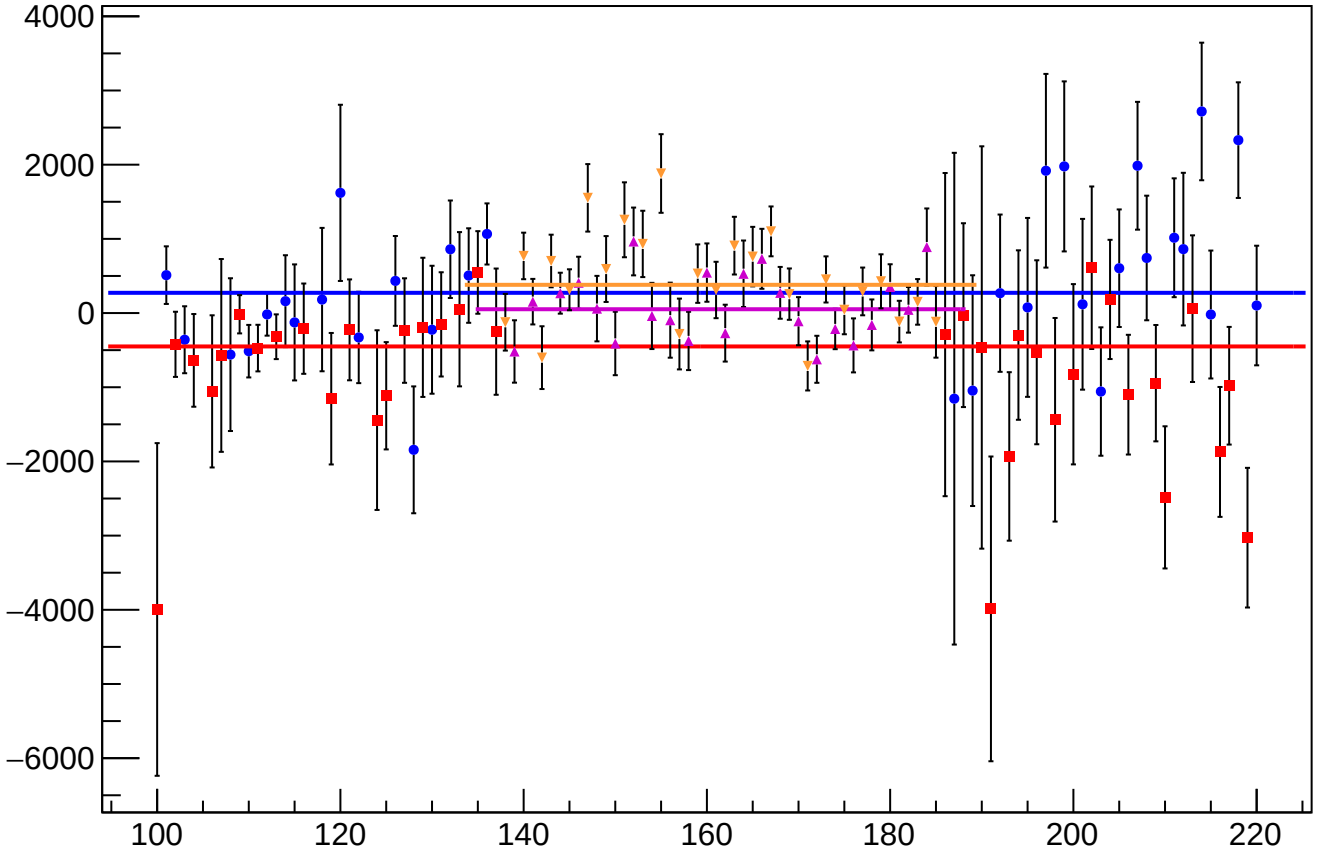
Right: 426.946+/-0.055 χ^2/NDF: 24558925.7/69

In: 354.195+/-0.044 χ^2/NDF:13859045.2/55

Out: 344.480+/-0.043 χ^2/NDF:15736767.7/61

All: 349.166+/-0.031 χ^2/NDF: 29620918.9/11

asym_sam7_mean vs Slug, Sign Corrected



Right In: 272.828+/-115.063 χ^2/NDF: 49.5/32

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -450.161+/-110.810 χ^2/NDF: 35.6/36

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

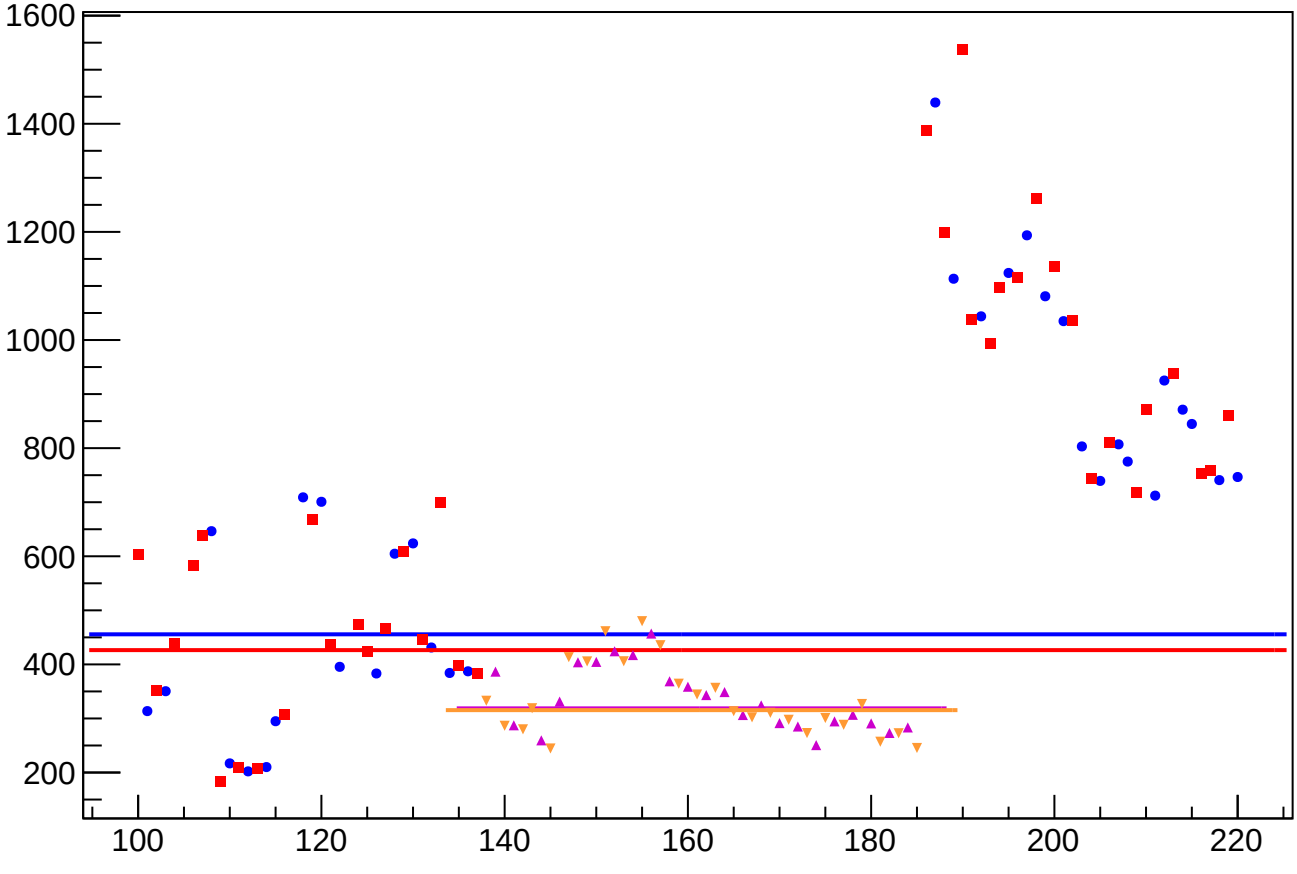
Right: -102.275+/-79.816 χ^2/NDF: 105.6/69

In: 118.254+/-63.200 χ^2/NDF:80.3/55

Out: 128.917+/-60.993 χ^2/NDF:130.2/61

All: 123.775+/-43.888 χ^2/NDF: 210.5/117

asym_sam7_rms vs Slug, Sign Corrected



Right In: 455.646+/-0.081 χ^2/NDF: 10480689.4/32

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 426.417+/-0.078 χ^2/NDF: 13007069.0/36

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

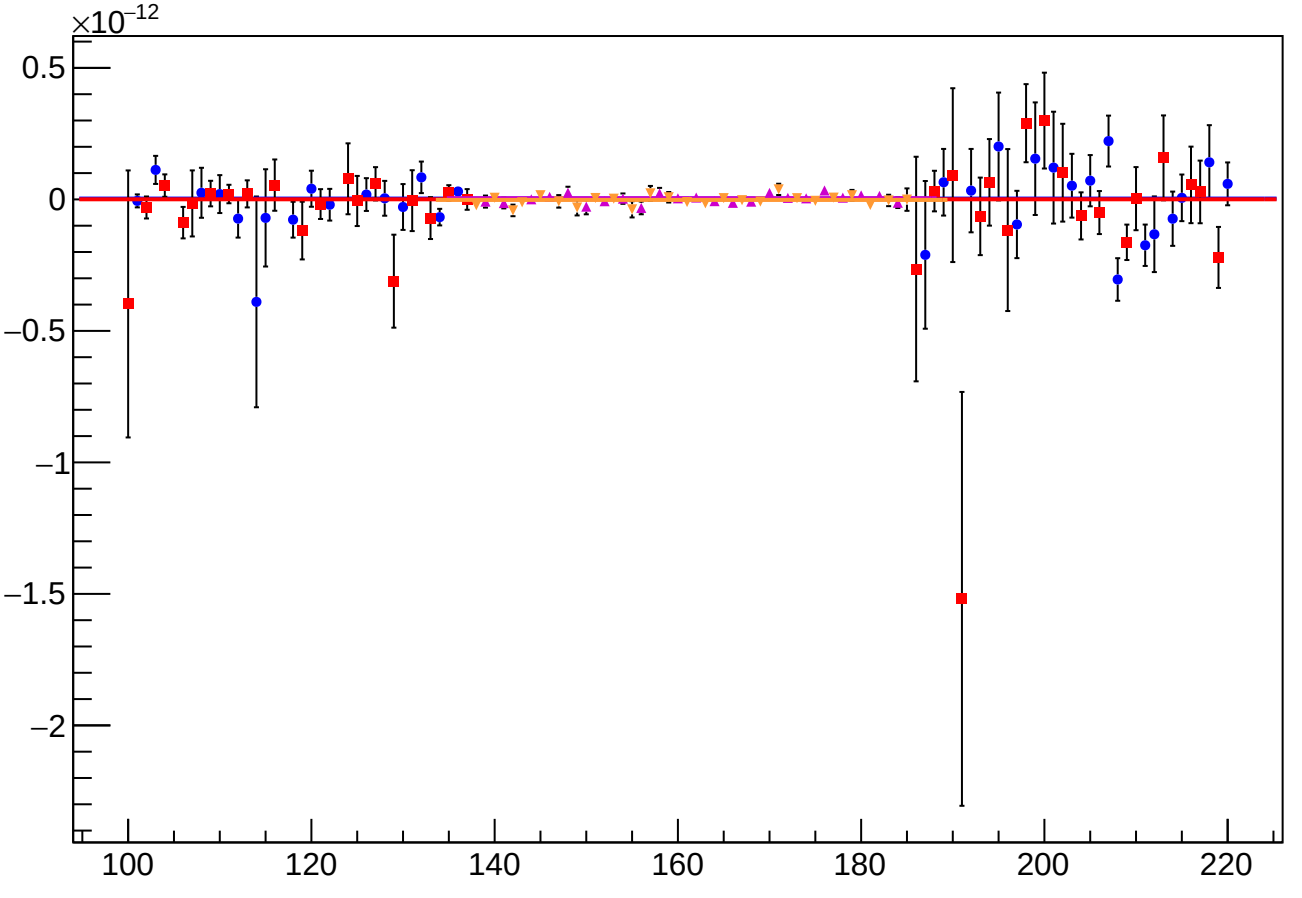
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 440.481+/-0.056 χ^2/NDF: 23554719.5/69

In: 360.007+/-0.045 χ^2/NDF:13450999.0/55

Out: 349.032+/-0.043 χ^2/NDF:15616530.7/61

All: 354.325+/-0.031 χ^2/NDF: 29098754.8/11



Right In: 0.000+/-0.000 χ^2/NDF: 49.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/36

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

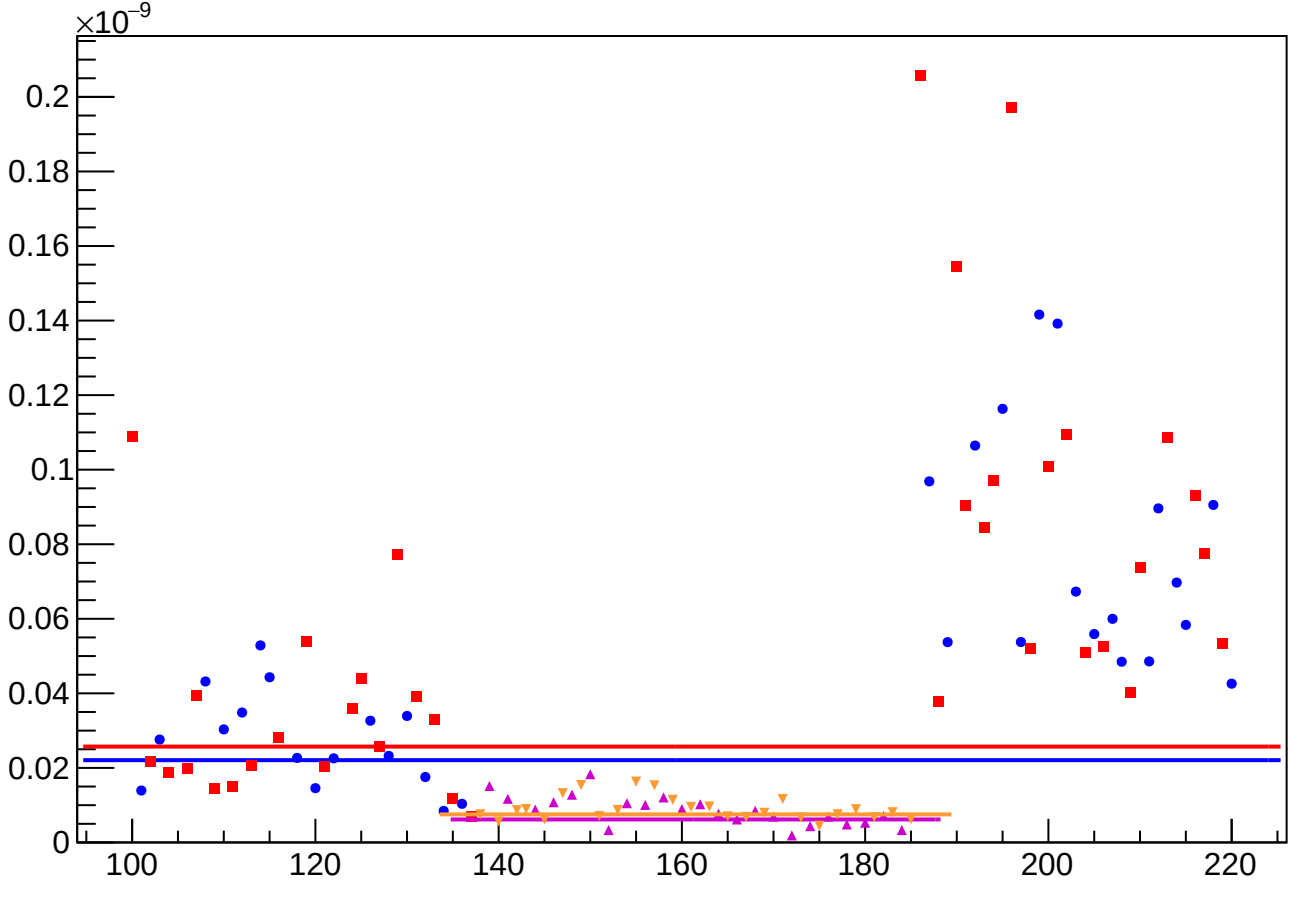
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 85.4/69

In: 0.000+/-0.000 χ^2/NDF:66.9/55

Out: -0.000+/-0.000 χ^2/NDF:55.2/61

All: 0.000+/-0.000 χ^2/NDF: 124.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 7526764.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6926409.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

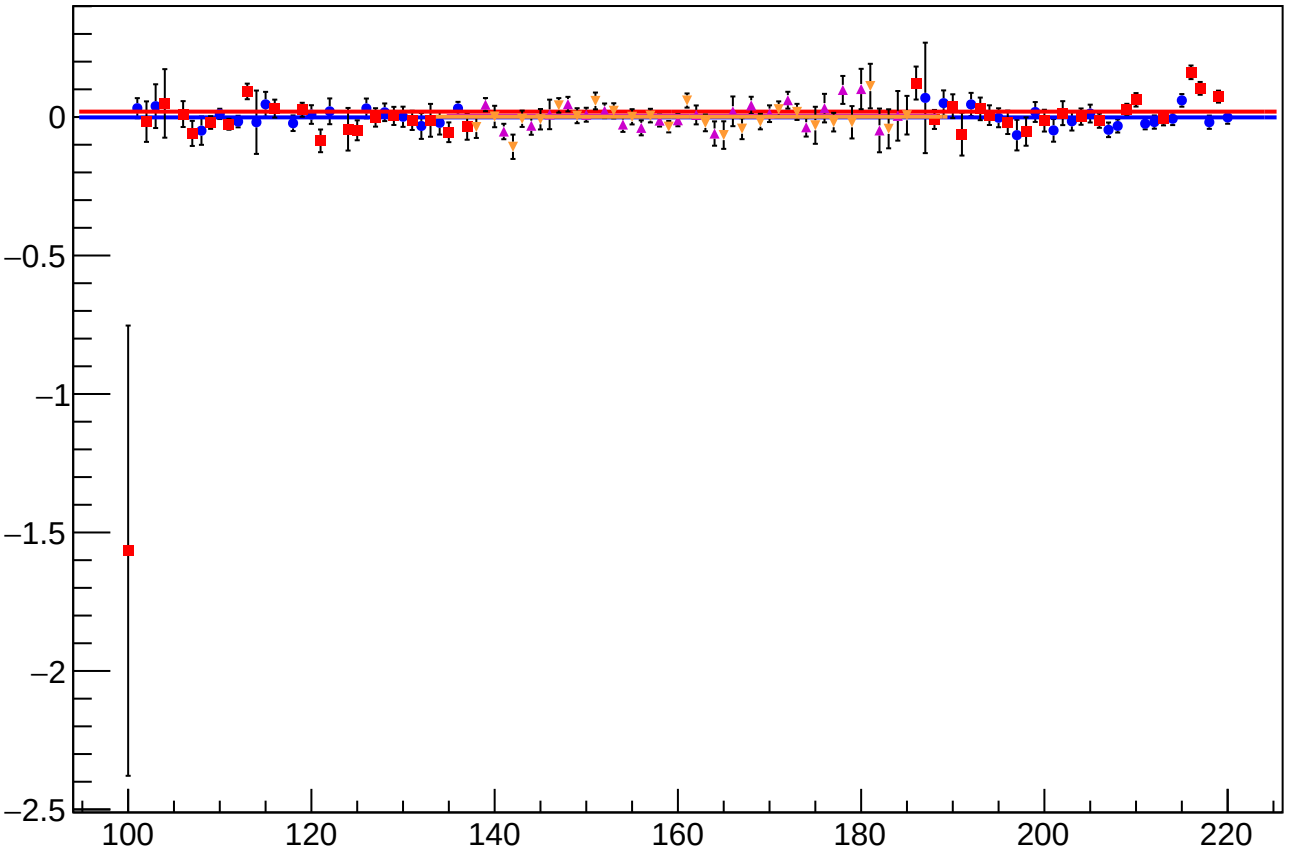
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14563068.1/69

In: 0.000+/-0.000 χ^2/NDF:14796570.0/55

Out: 0.000+/-0.000 χ^2/NDF:12591074.7/61

All: 0.000+/-0.000 χ^2/NDF: 27590843.7/117



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/32

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.020+/-0.005 χ^2/NDF: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

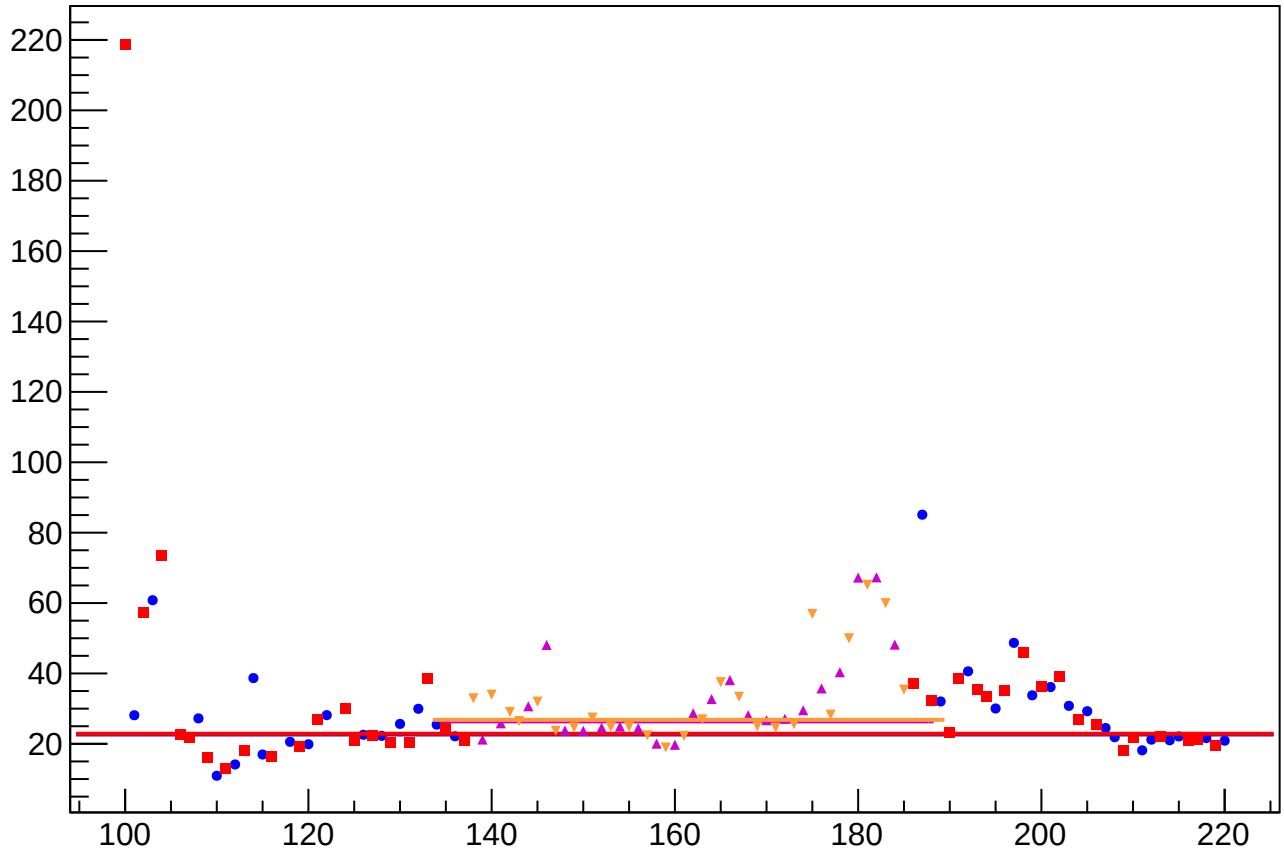
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.009+/-0.004 χ^2/NDF: 144.9/69

In: 0.001+/-0.004 χ^2/NDF:60.2/55

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.006+/-0.003 χ^2/NDF: 207.6/117



Right In: 22.667+/-0.004 χ^2/NDF: 3793597.8/32

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

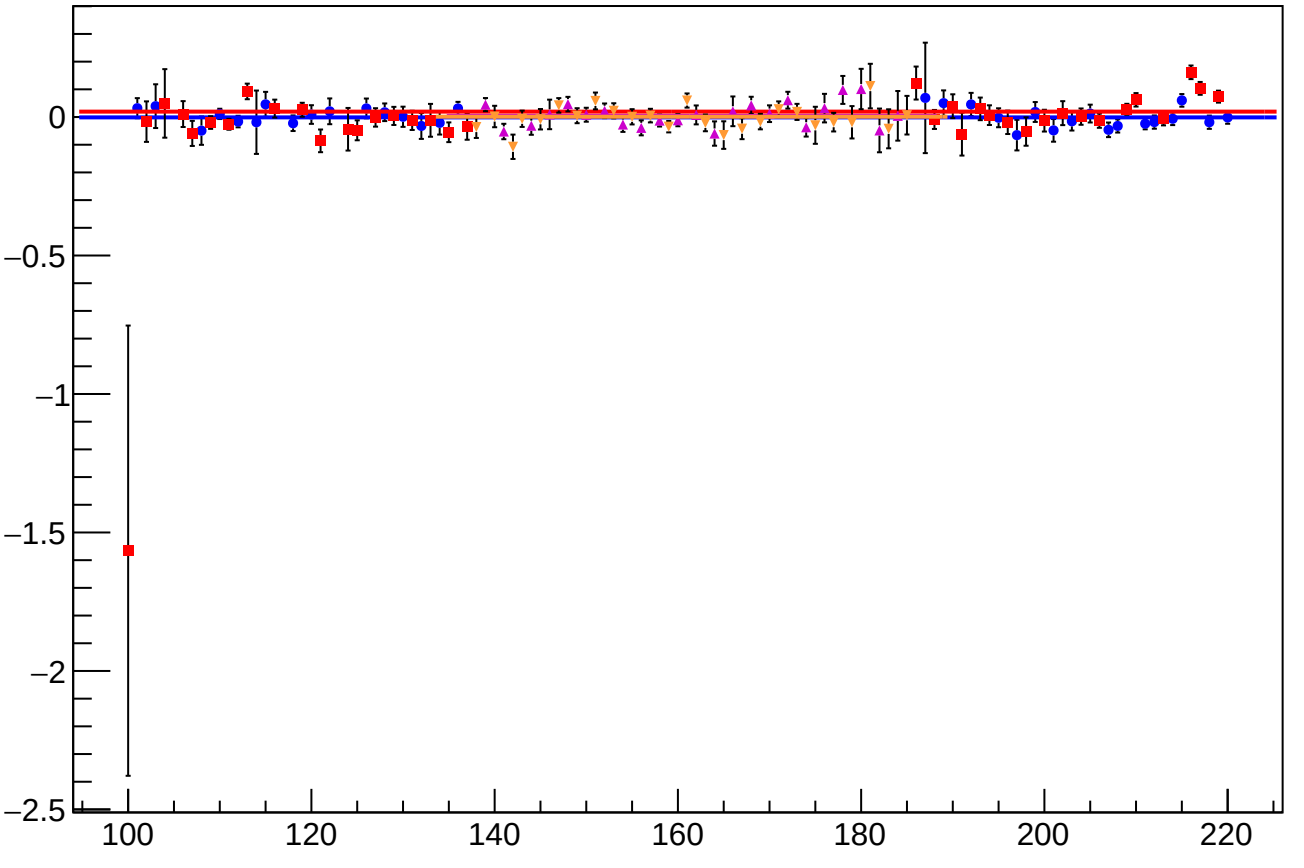
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.765+/-0.003 χ^2/NDF: 7832601.9/69

In: 24.128+/-0.003 χ^2/NDF:6742675.8/55

Out: 24.463+/-0.003 χ^2/NDF:6949629.5/61

All: 24.296+/-0.002 χ^2/NDF: 13698888.1/117



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/32

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.020+/-0.005 χ^2/NDF: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

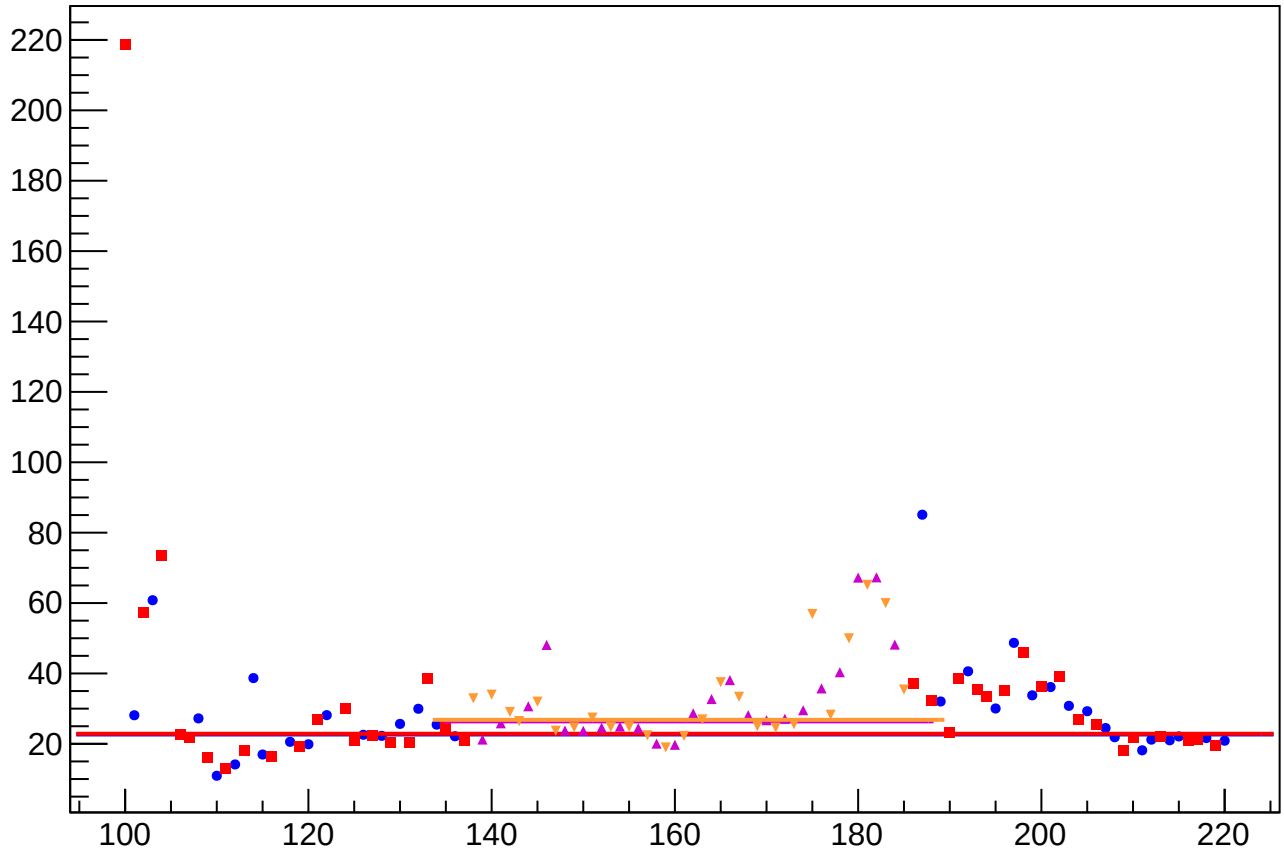
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.009+/-0.004 χ^2/NDF: 144.9/69

In: 0.001+/-0.004 χ^2/NDF:60.2/55

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.006+/-0.003 χ^2/NDF: 207.6/117



Right In: 22.667+/-0.004 χ^2/NDF: 3793597.8/32

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

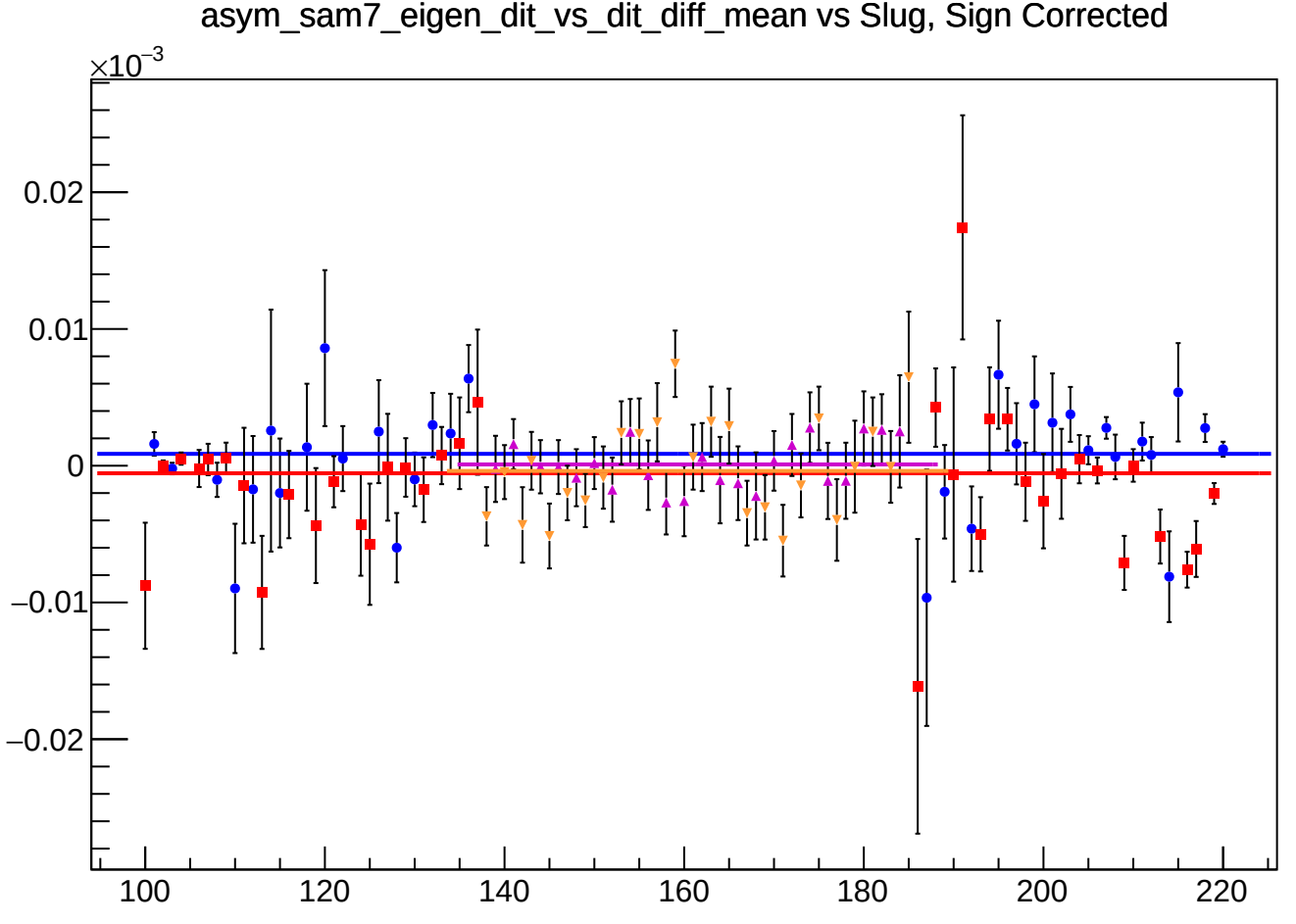
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.765+/-0.003 χ^2/NDF: 7832601.9/69

In: 24.128+/-0.003 χ^2/NDF:6742675.8/55

Out: 24.463+/-0.003 χ^2/NDF:6949629.5/61

All: 24.296+/-0.002 χ^2/NDF: 13698888.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 61.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 96.7/36

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

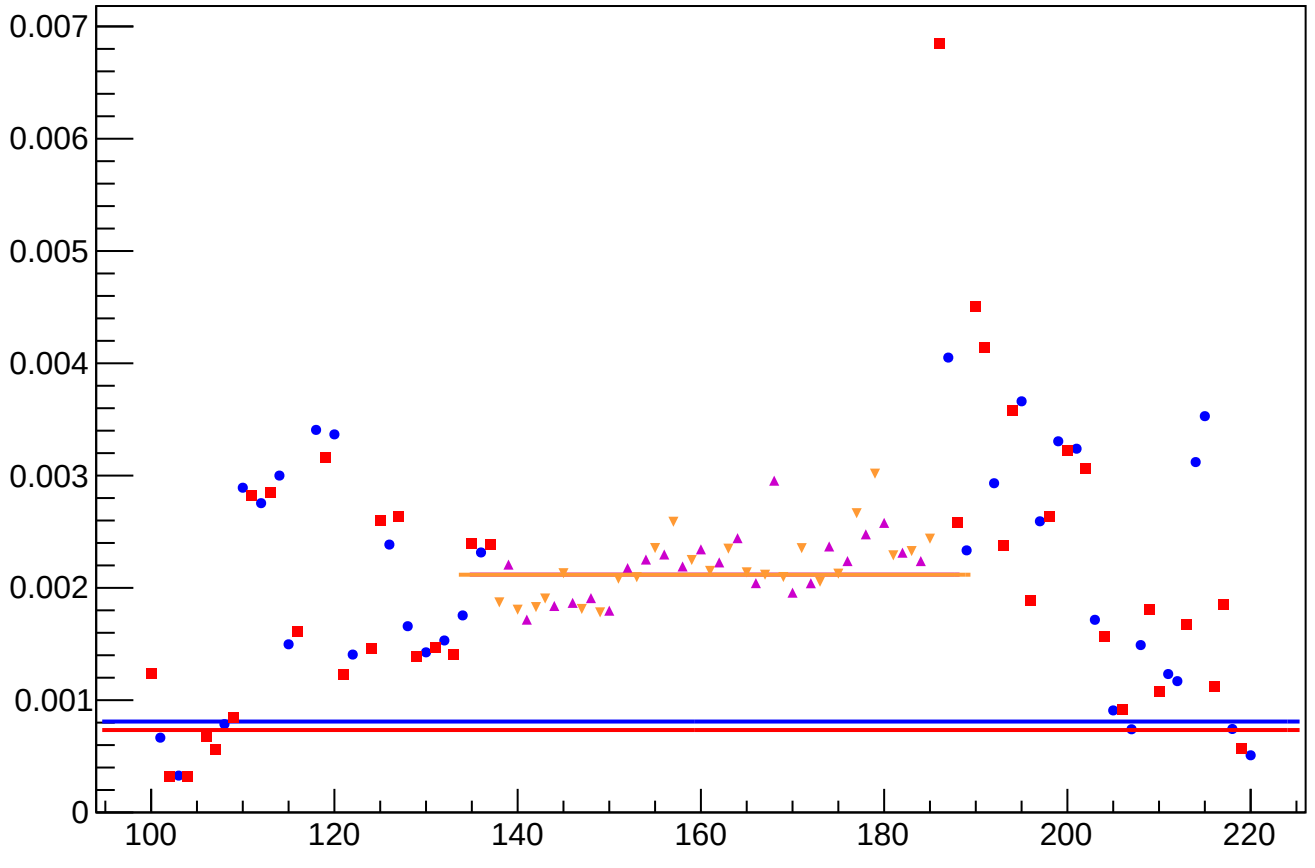
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 177.3/69

In: 0.000+/-0.000 χ^2/NDF:73.1/55

Out: -0.000+/-0.000 χ^2/NDF:139.9/61

All: 0.000+/-0.000 χ^2/NDF: 231.5/117



Right In: 0.001+/-0.000 χ^2/NDF: 15921853.2/32

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 18186602.8/36

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

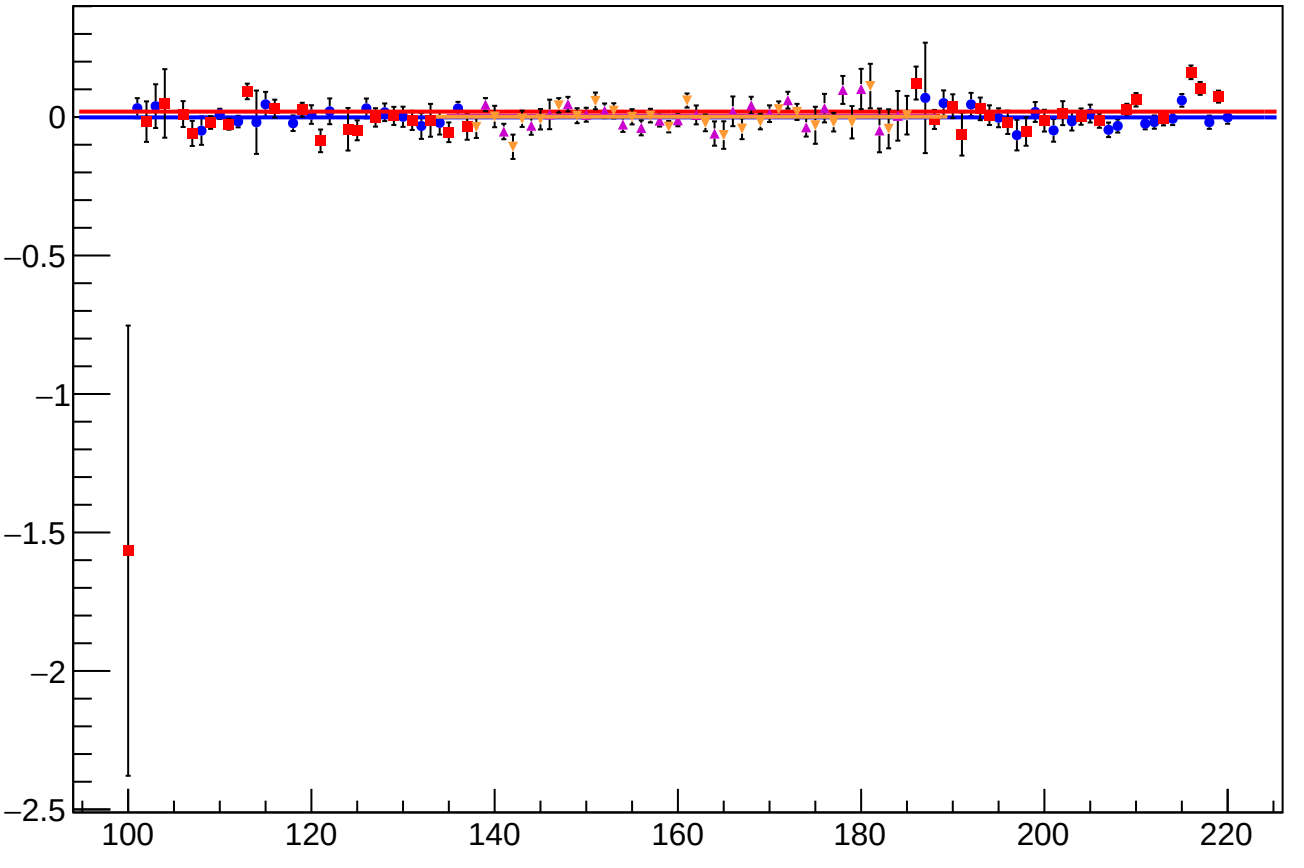
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 34219685.0/69

In: 0.001+/-0.000 χ^2/NDF:27740573.5/55

Out: 0.001+/-0.000 χ^2/NDF:32208902.2/61

All: 0.001+/-0.000 χ^2/NDF: 60089821.4/117



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/32

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.020+/-0.005 χ^2/NDF: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

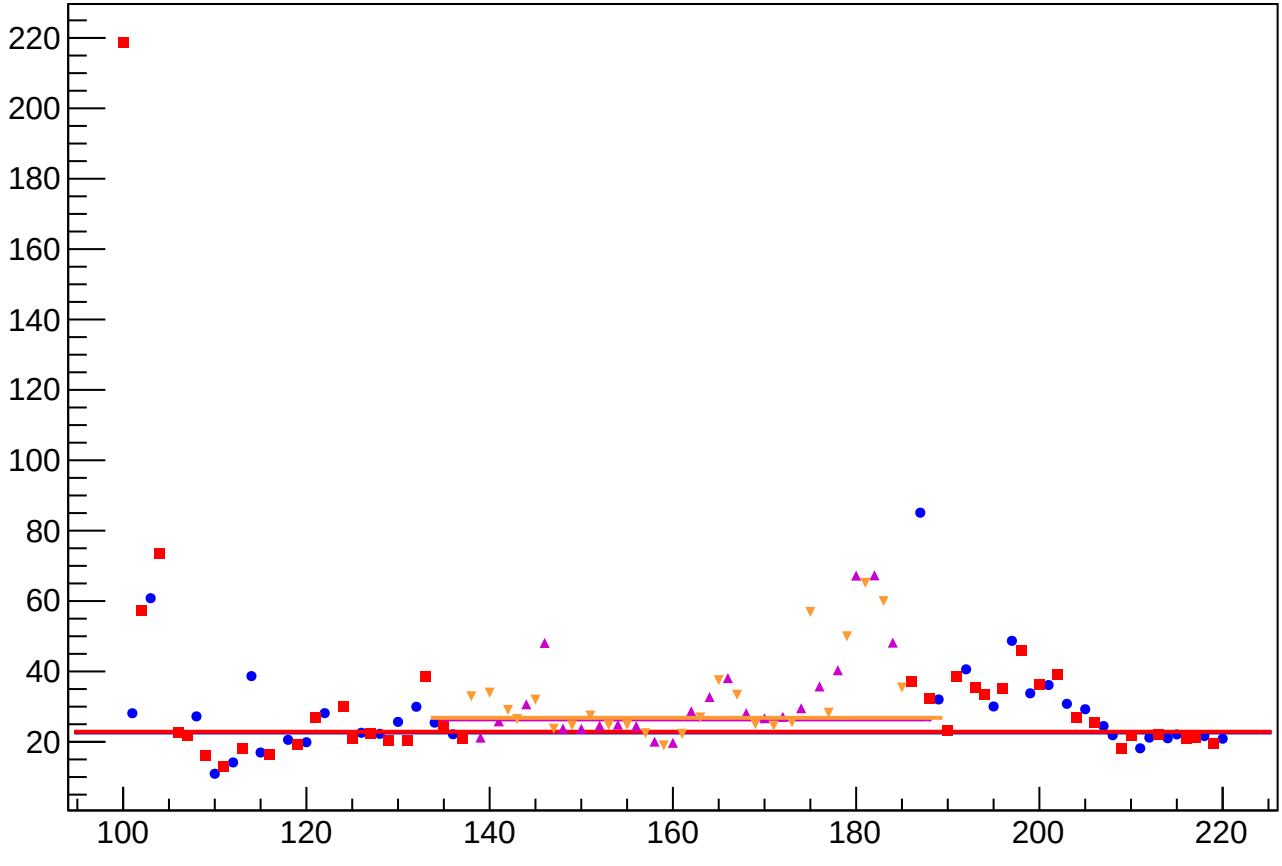
Right: 0.009+/-0.004 χ^2/NDF: 144.9/69

In: 0.001+/-0.004 χ^2/NDF:60.2/55

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.006+/-0.003 χ^2/NDF: 207.6/117

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.667+/-0.004 χ^2/NDF: 3793333.2/32

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

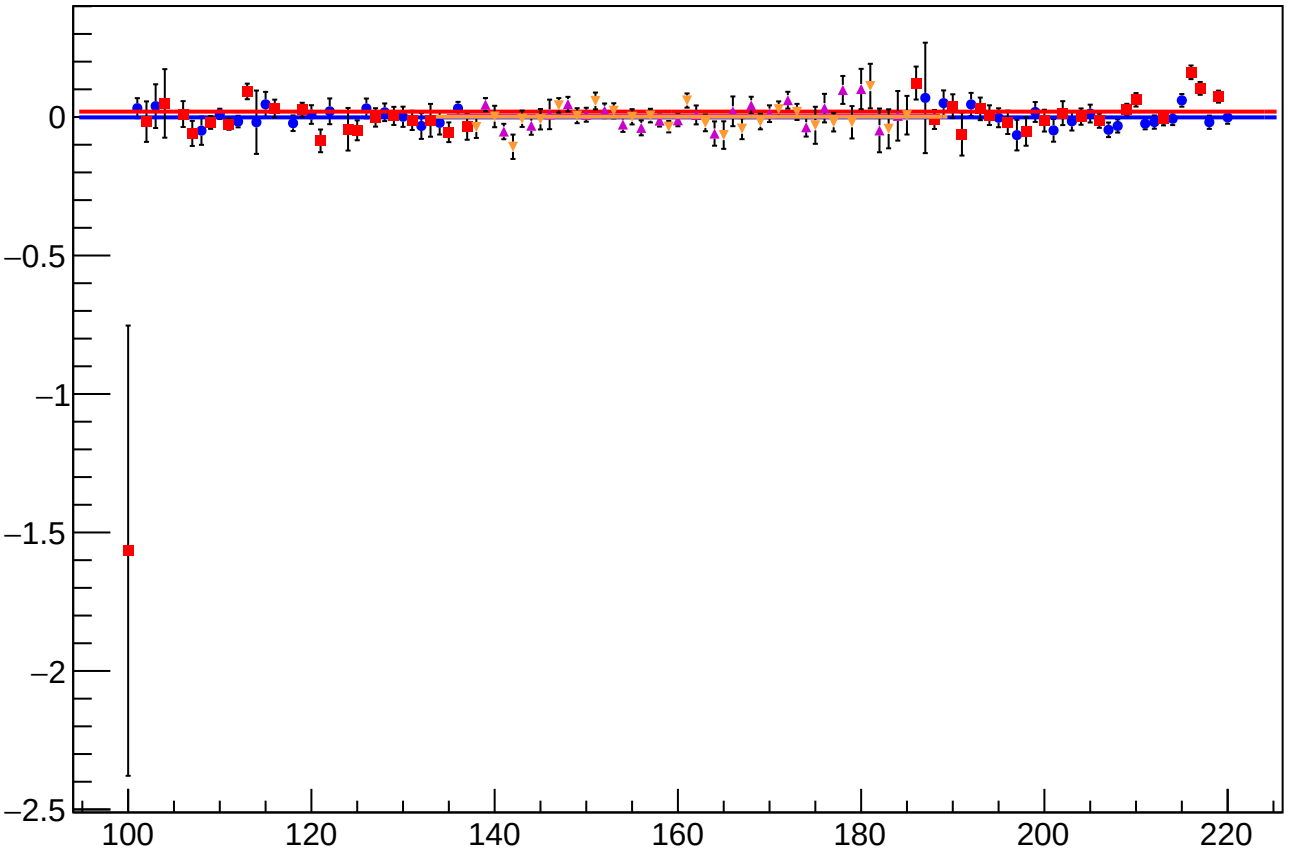
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.765+/-0.003 χ^2/NDF: 7832151.9/69

In: 24.128+/-0.003 χ^2/NDF:6742396.8/55

Out: 24.463+/-0.003 χ^2/NDF:6949501.0/61

All: 24.296+/-0.002 χ^2/NDF: 13698470.4/117



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/32

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.020+/-0.005 χ^2/NDF: 108.6/36

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

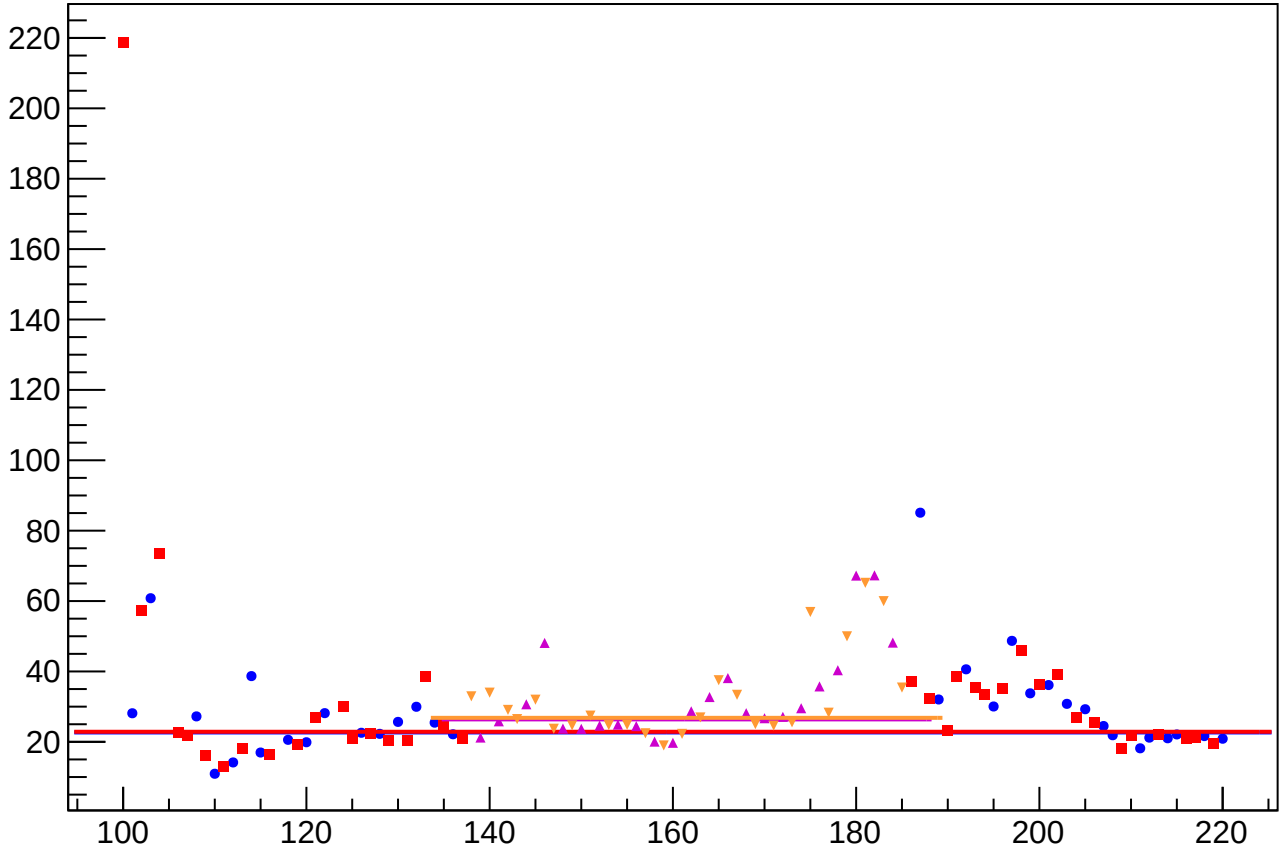
Right: 0.009+/-0.004 χ^2/NDF: 144.9/69

In: 0.001+/-0.004 χ^2/NDF:60.2/55

Out: 0.012+/-0.004 χ^2/NDF:143.7/61

All: 0.006+/-0.003 χ^2/NDF: 207.6/117

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.667+/-0.004 χ^2/NDF: 3793333.2/32

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

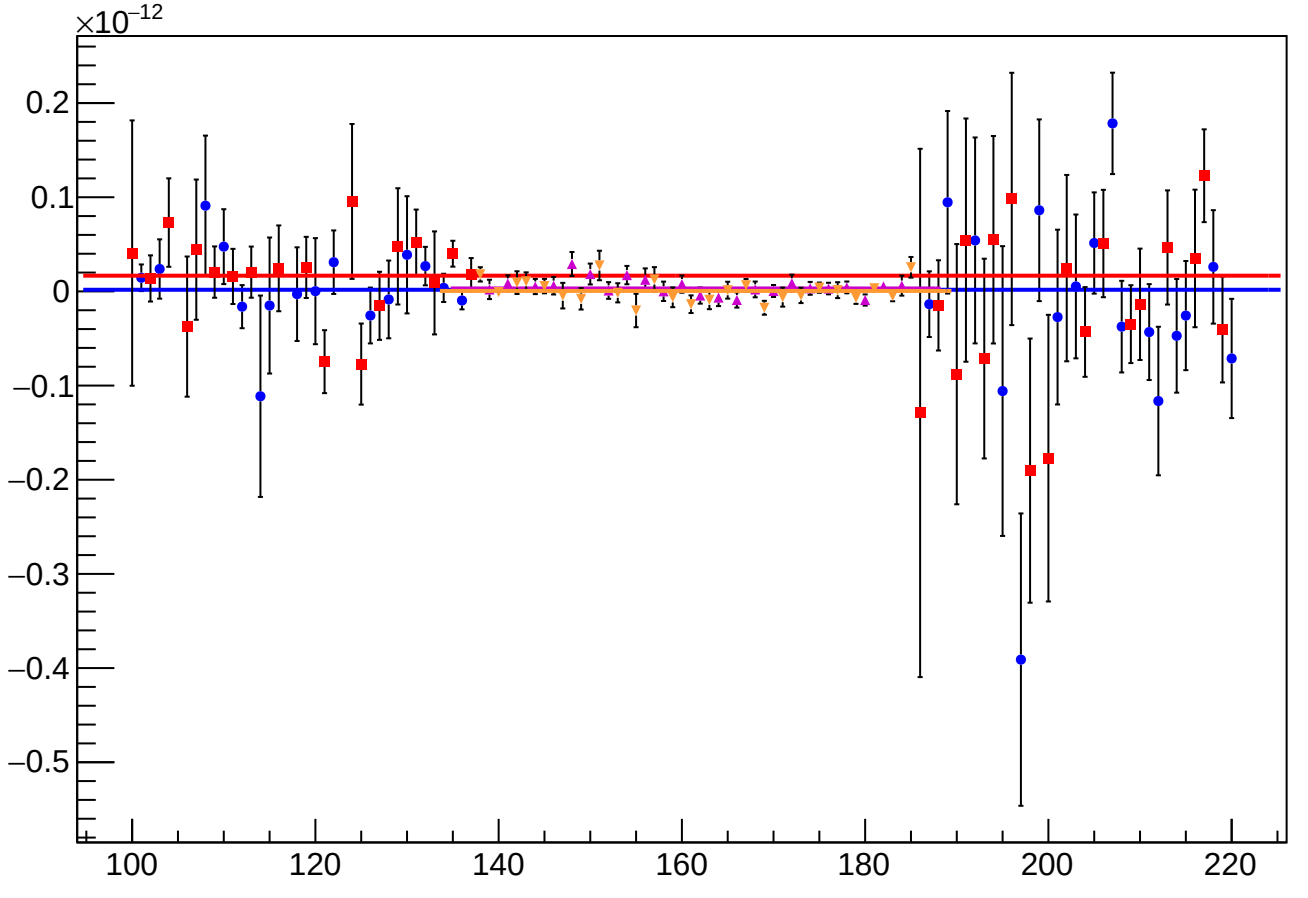
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.765+/-0.003 χ^2/NDF: 7832151.9/69

In: 24.128+/-0.003 χ^2/NDF:6742396.8/55

Out: 24.463+/-0.003 χ^2/NDF:6949501.0/61

All: 24.296+/-0.002 χ^2/NDF: 13698470.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.5/36

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

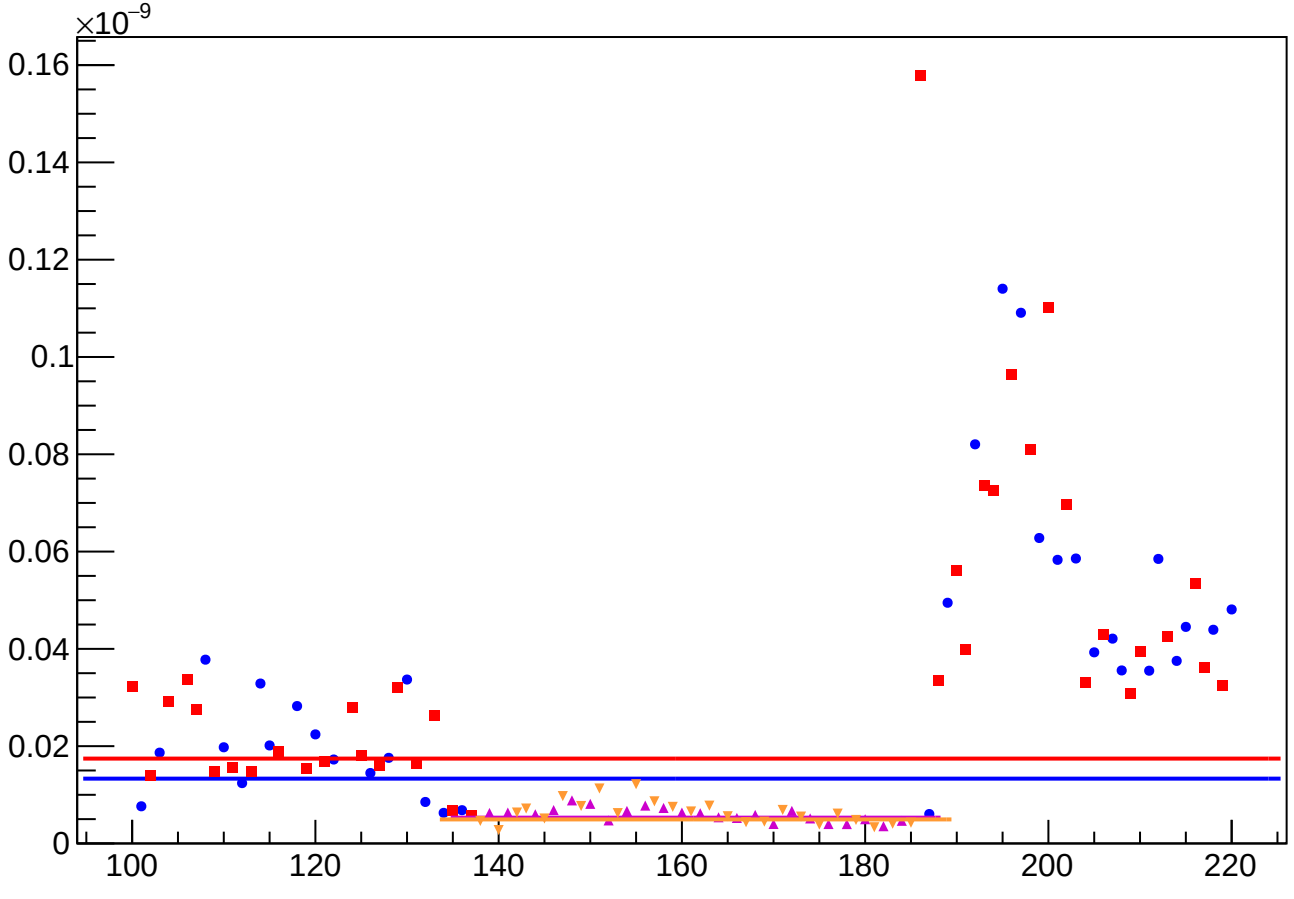
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 77.2/69

In: 0.000+/-0.000 χ^2/NDF:56.8/55

Out: 0.000+/-0.000 χ^2/NDF:75.0/61

All: 0.000+/-0.000 χ^2/NDF: 132.3/117



Right In: 0.000+/-0.000 χ^2/NDF: 11711131.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9438686.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

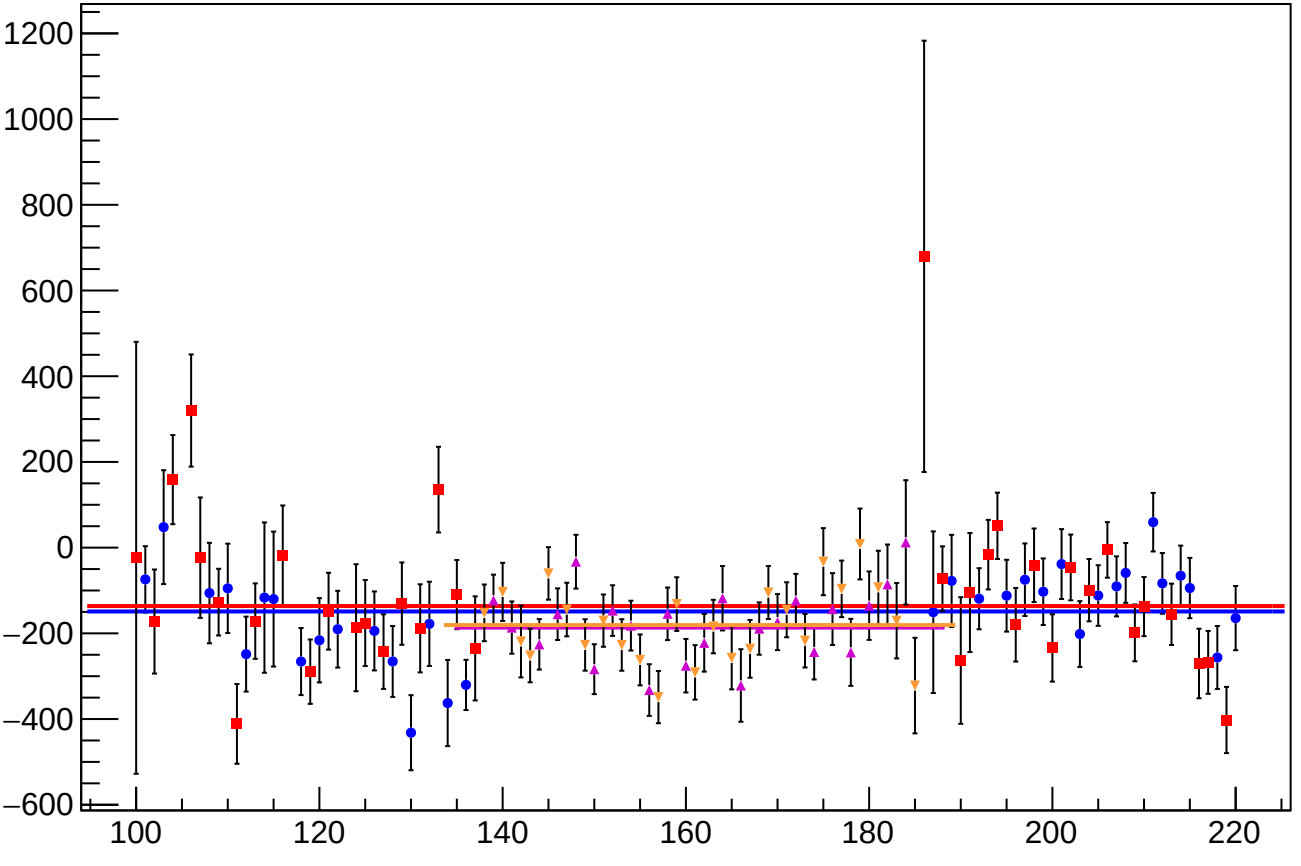
Right: 0.000+/-0.000 χ^2/NDF: 21630915.0/69

In: 0.000+/-0.000 χ^2/NDF:17050323.2/55

Out: 0.000+/-0.000 χ^2/NDF:19235295.8/61

All: 0.000+/-0.000 χ^2/NDF: 36345113.0/117

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -148.953+/-14.525 χ^2/NDF: 54.8/32

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -136.354+/-14.702 χ^2/NDF: 84.9/36

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

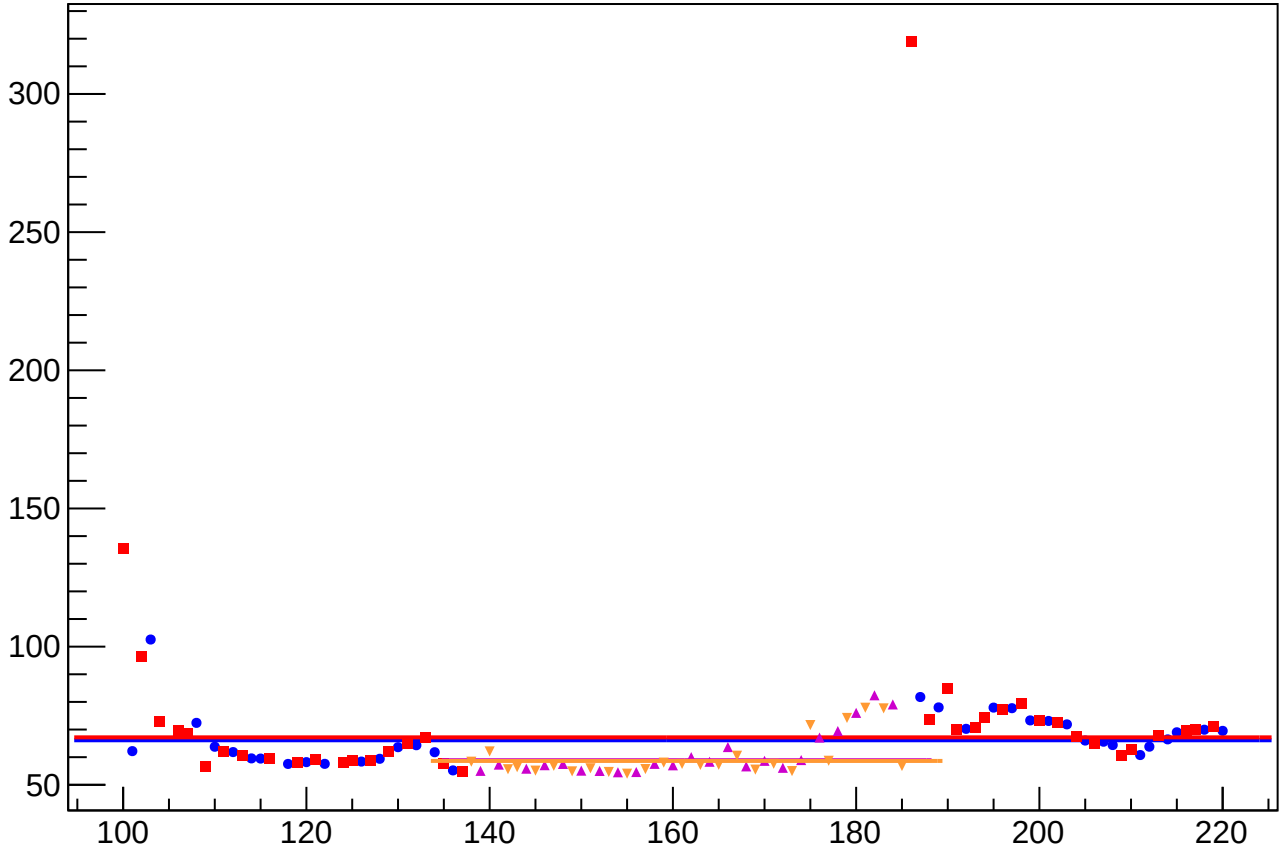
Right: -142.730+/-10.333 χ^2/NDF: 140.2/69

In: -168.641+/-10.027 χ^2/NDF:87.4/55

Out: -160.539+/-9.911 χ^2/NDF:128.5/61

All: -164.543+/-7.049 χ^2/NDF: 216.2/117

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.121+/-0.010 χ^2/NDF: 525034.6/32

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.175+/-0.010 χ^2/NDF: 1058576.1/36

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

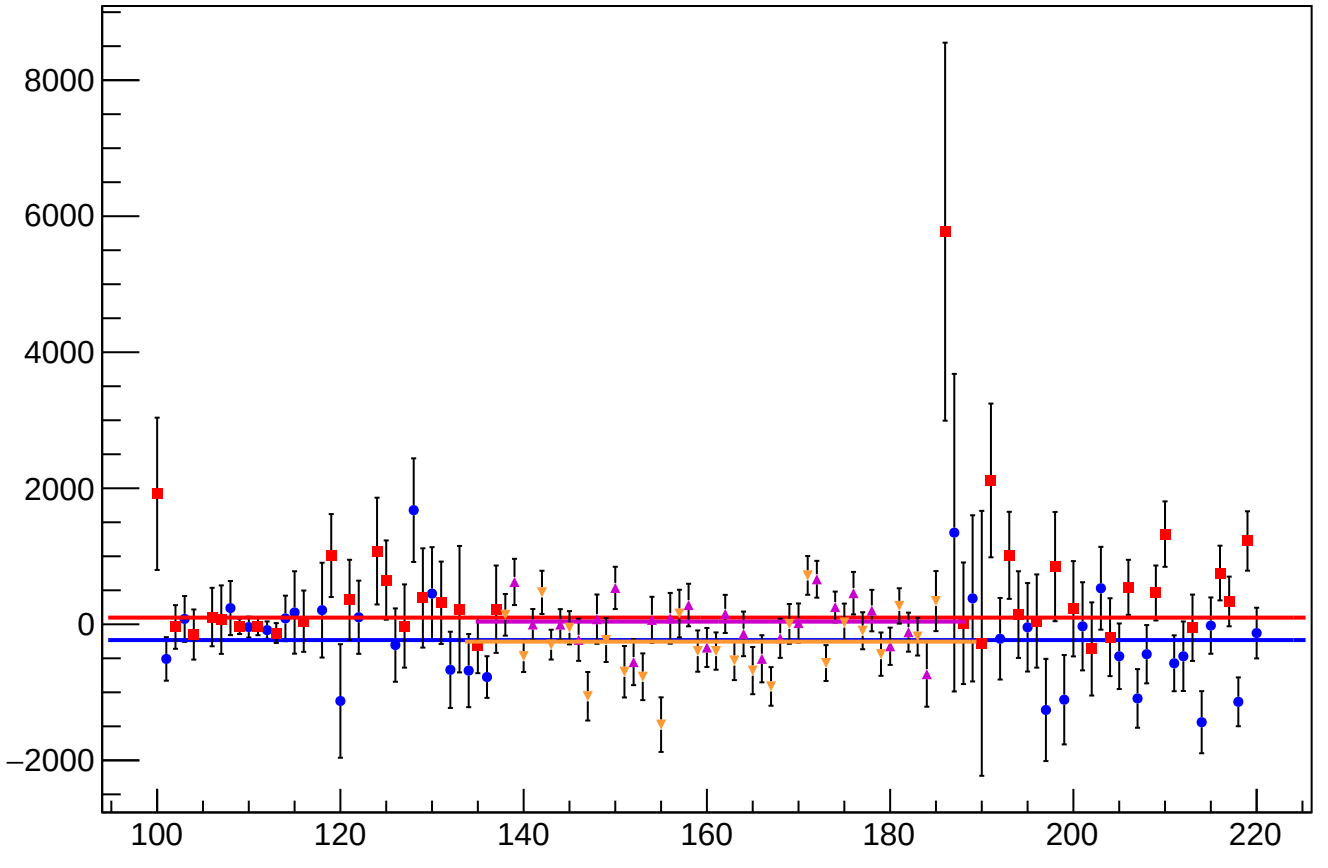
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.641+/-0.007 χ^2/NDF: 1588811.8/69

In: 62.344+/-0.007 χ^2/NDF:1170114.9/55

Out: 62.521+/-0.007 χ^2/NDF:1819789.9/61

All: 62.434+/-0.005 χ^2/NDF: 2990217.1/117



Right In: -231.896+/-64.846 χ^2/NDF: 46.1/32

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 98.432+/-57.488 χ^2/NDF: 43.7/36

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

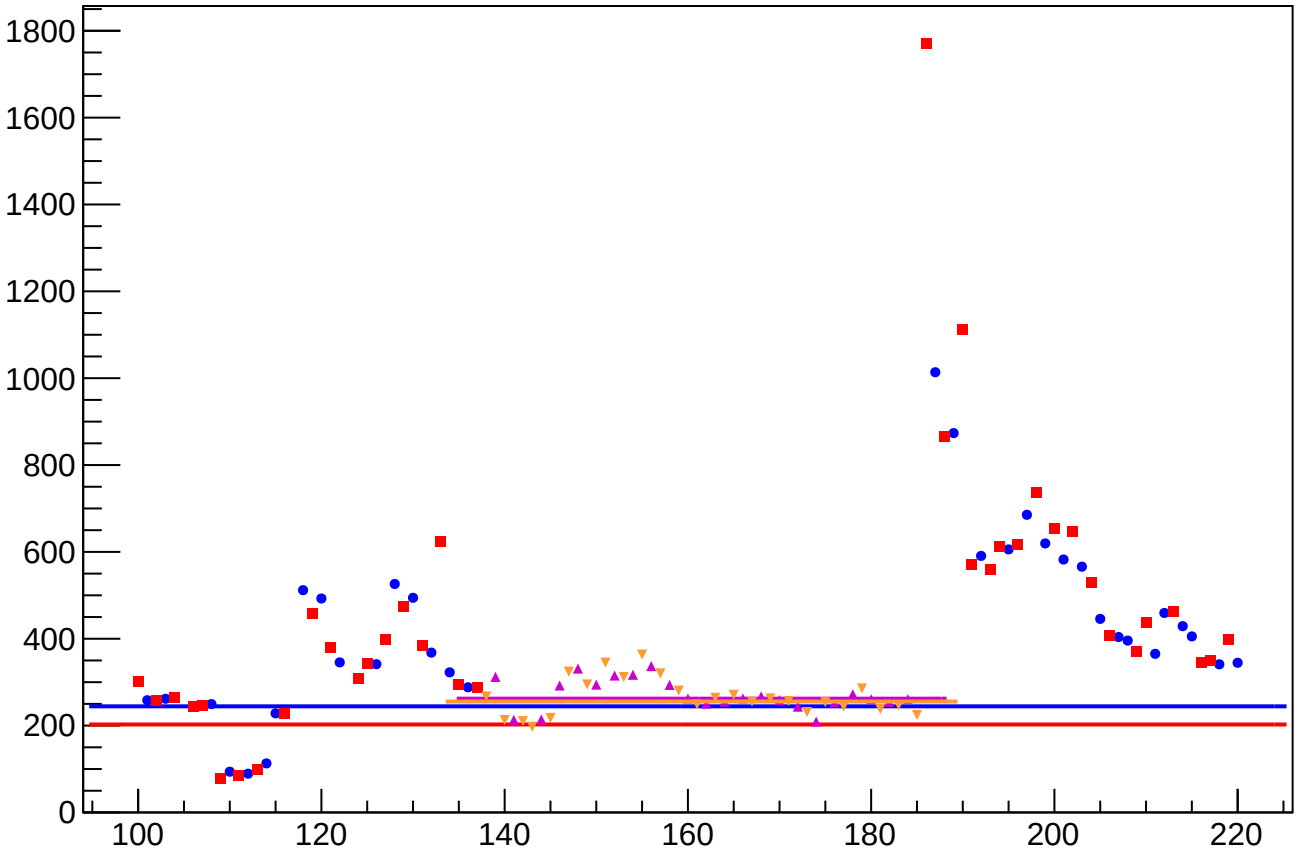
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -46.936+/-43.017 χ^2/NDF: 104.3/69

In: -90.041+/-44.769 χ^2/NDF:83.6/55

Out: -73.886+/-41.132 χ^2/NDF:119.7/61

All: -81.281+/-30.289 χ^2/NDF: 203.4/117



Right In: 244.366+/-0.046 χ^2/NDF: 13330295.4/32

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 202.574+/-0.041 χ^2/NDF: 17750476.9/36

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

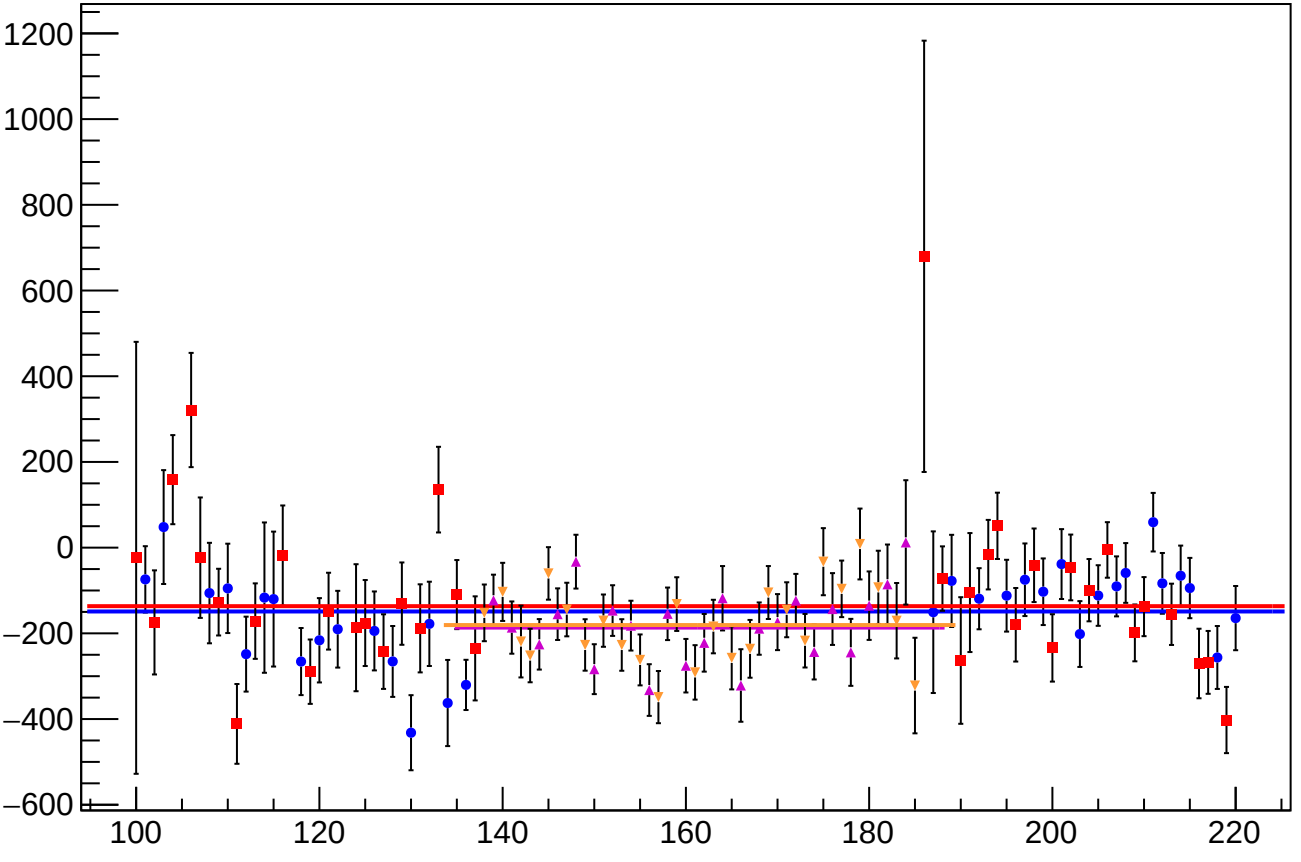
Right: 220.965+/-0.030 χ^2/NDF: 31545905.3/69

In: 253.599+/-0.032 χ^2/NDF:14078342.9/55

Out: 228.391+/-0.029 χ^2/NDF:19440743.5/61

All: 239.930+/-0.021 χ^2/NDF: 33862931.4/11

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -148.954+/-14.525 χ^2/NDF: 54.8/32

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -136.577+/-14.706 χ^2/NDF: 84.6/36

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

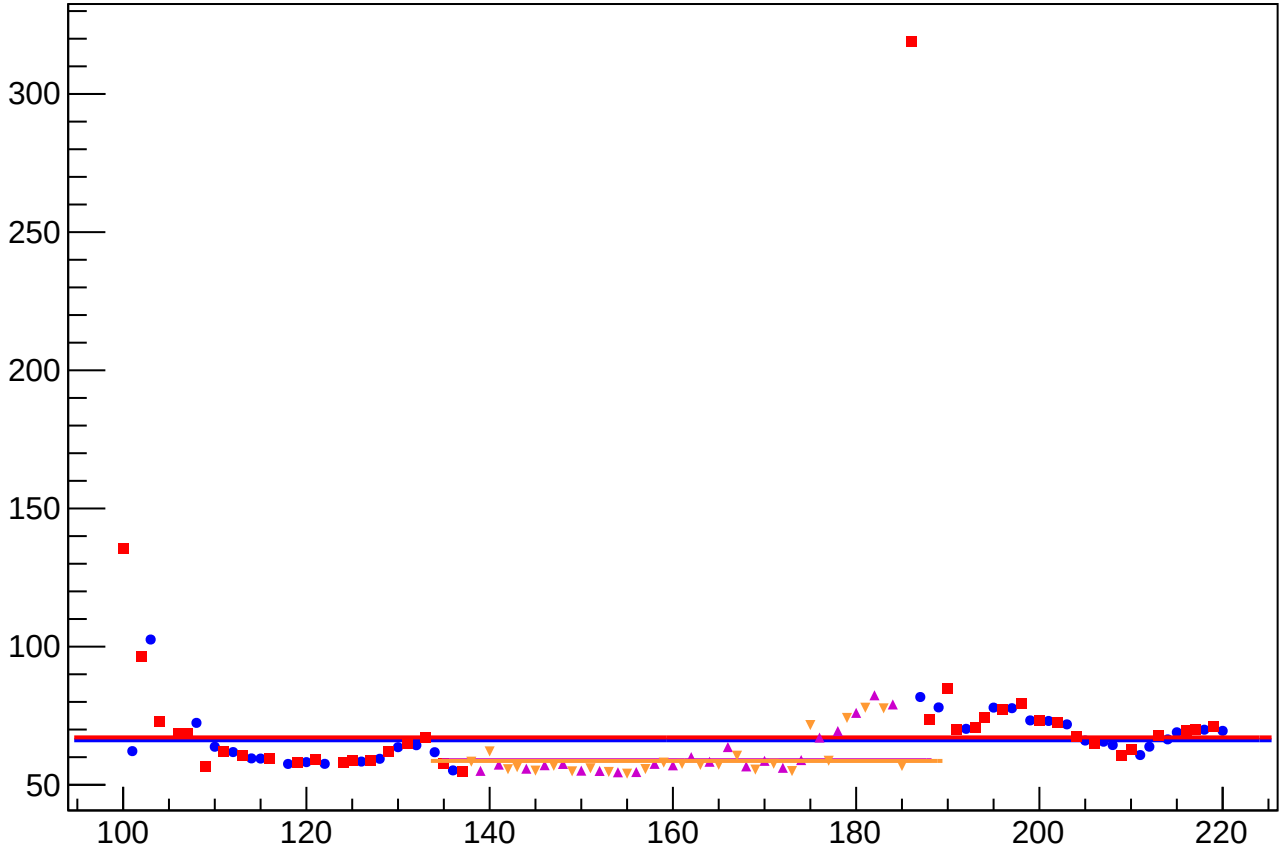
Right: -142.842+/-10.334 χ^2/NDF: 139.8/69

In: -168.642+/-10.027 χ^2/NDF:87.4/55

Out: -160.643+/-9.912 χ^2/NDF:128.1/61

All: -164.596+/-7.049 χ^2/NDF: 215.8/117

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.121+/-0.010 χ^2/NDF: 525037.0/32

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

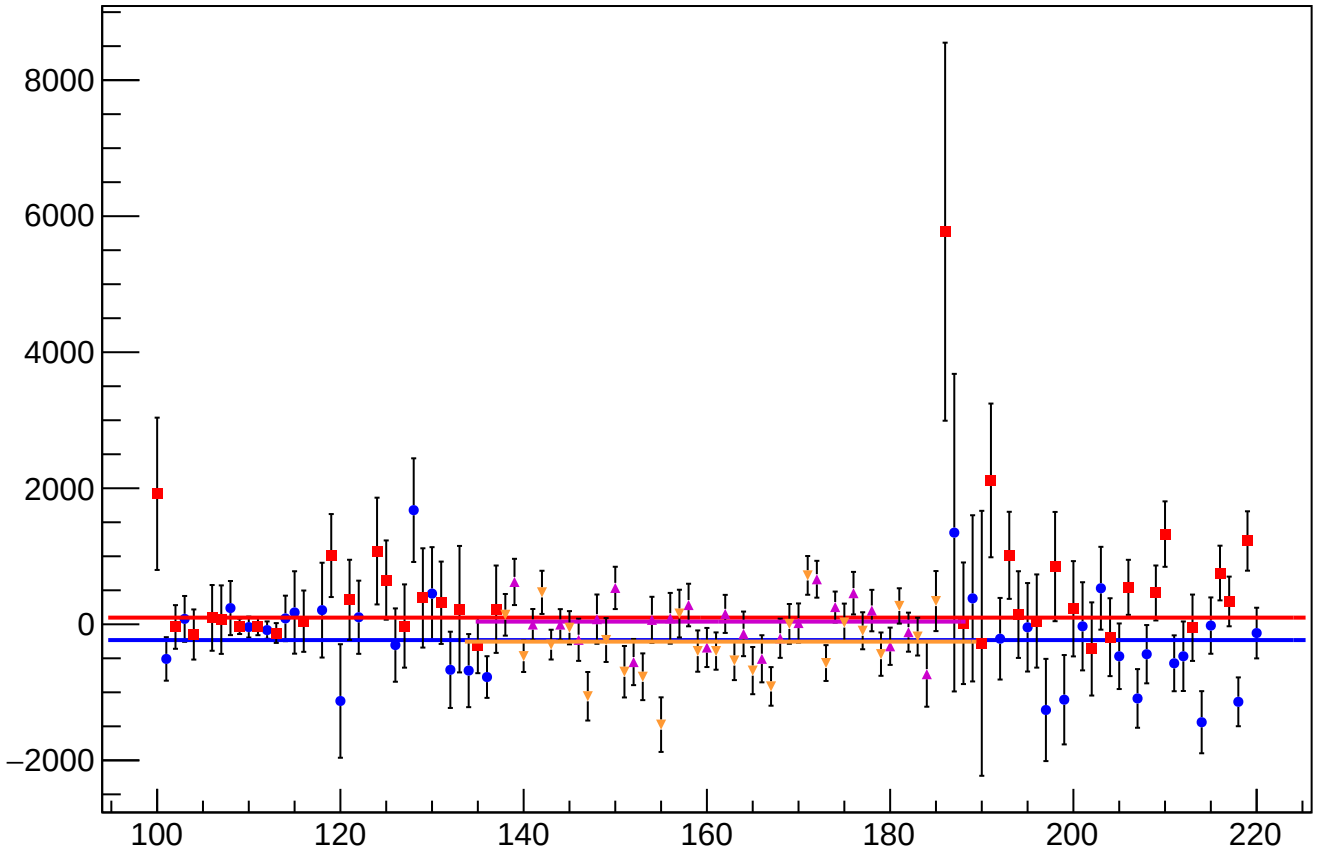
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.634+/-0.007 χ^2/NDF: 1588338.6/69

In: 62.344+/-0.007 χ^2/NDF:1170117.5/55

Out: 62.513+/-0.007 χ^2/NDF:1818070.4/61

All: 62.430+/-0.005 χ^2/NDF: 2988472.8/117



Right In: -231.886+/-64.846 χ^2/NDF: 46.1/32

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 98.246+/-57.599 χ^2/NDF: 43.7/36

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

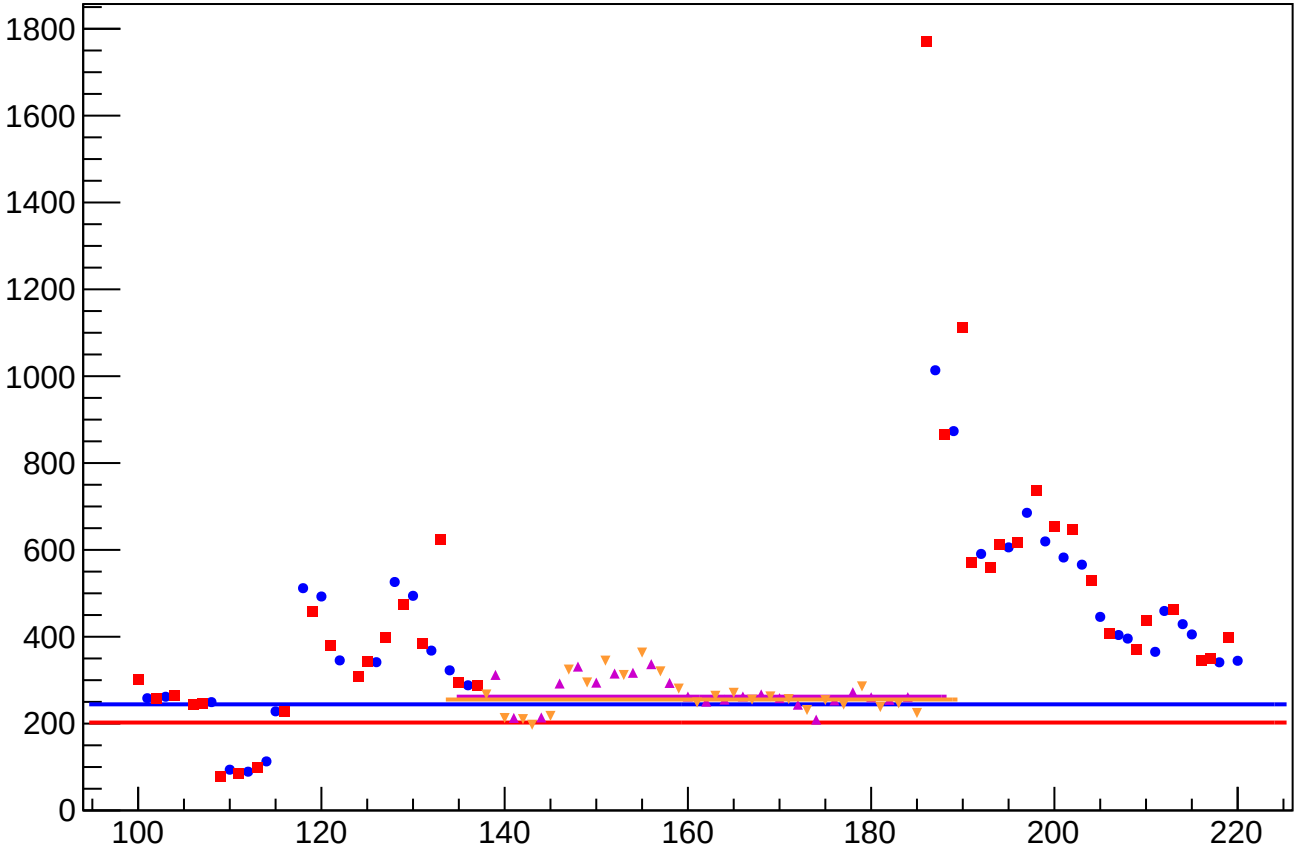
Right: -47.348+/-43.064 χ^2/NDF: 104.3/69

In: -90.037+/-44.769 χ^2/NDF:83.6/55

Out: -74.319+/-41.173 χ^2/NDF:119.7/61

All: -81.522+/-30.305 χ^2/NDF: 203.4/117

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 244.367+/-0.046 χ^2/NDF: 13330314.6/32

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

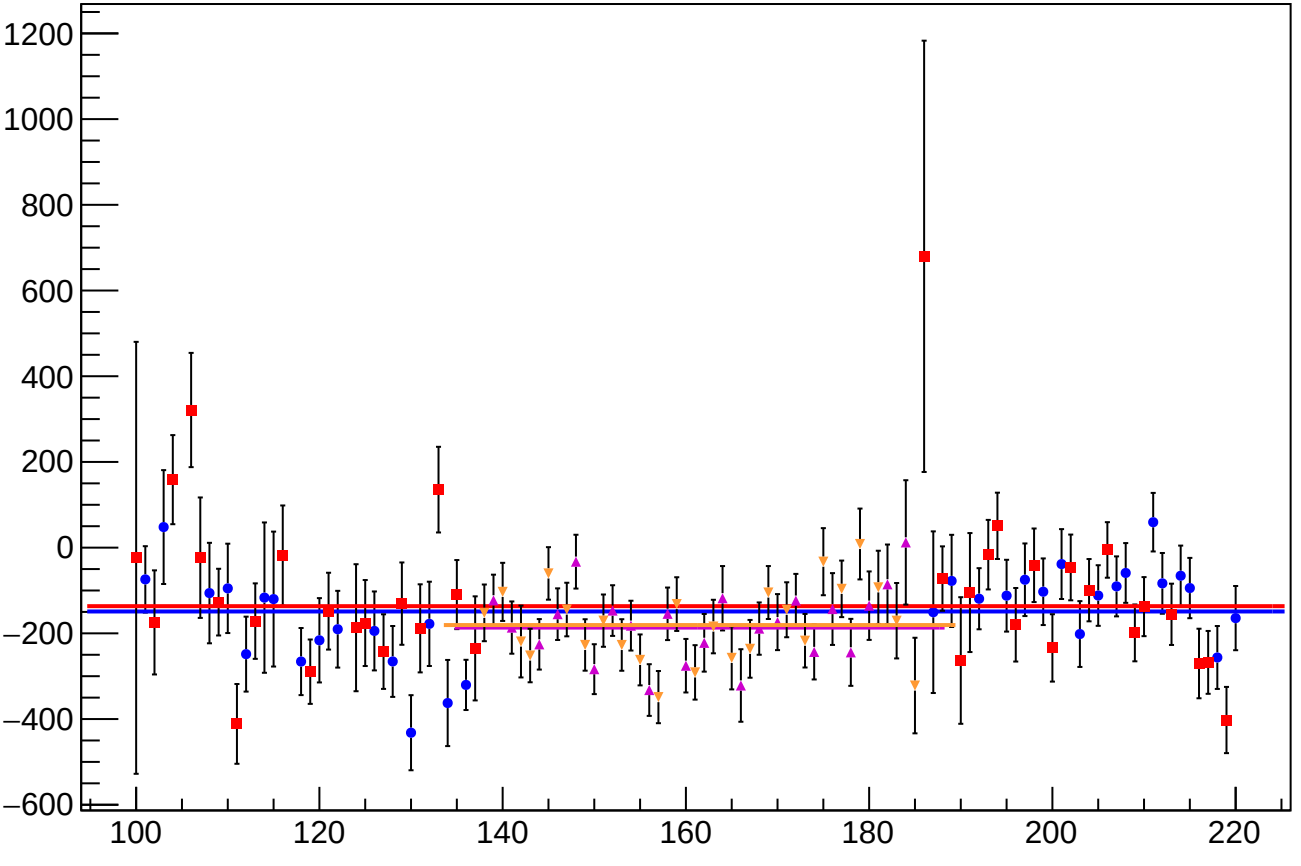
Right: 220.920+/-0.030 χ^2/NDF: 31545287.8/69

In: 253.599+/-0.032 χ^2/NDF:14078353.6/55

Out: 228.364+/-0.029 χ^2/NDF:19440691.3/61

All: 239.927+/-0.021 χ^2/NDF: 33863331.2/11

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -148.954+/-14.525 χ^2/NDF: 54.8/32

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -136.577+/-14.706 χ^2/NDF: 84.6/36

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

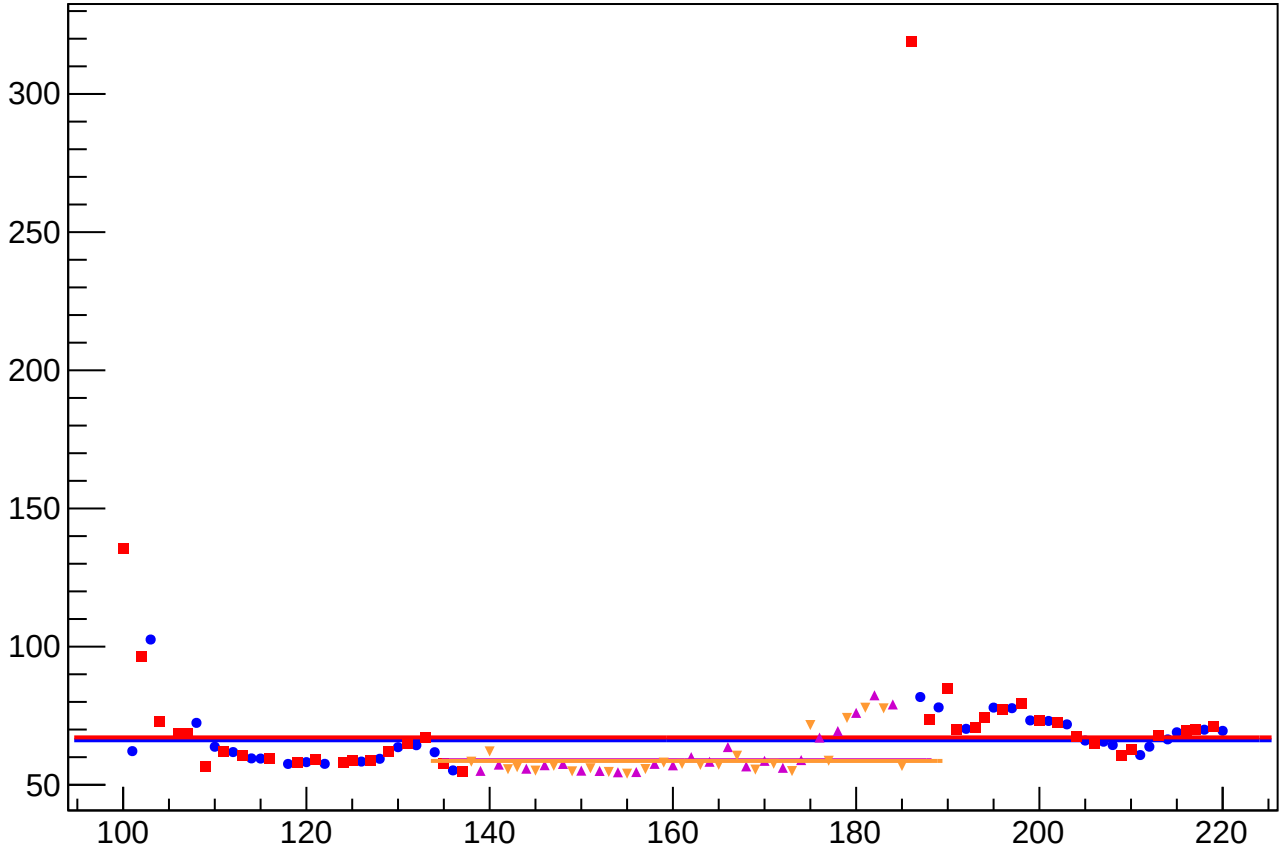
Right: -142.842+/-10.334 χ^2/NDF: 139.8/69

In: -168.642+/-10.027 χ^2/NDF:87.4/55

Out: -160.643+/-9.912 χ^2/NDF:128.1/61

All: -164.596+/-7.049 χ^2/NDF: 215.8/117

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.121+/-0.010 χ^2/NDF: 525037.0/32

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

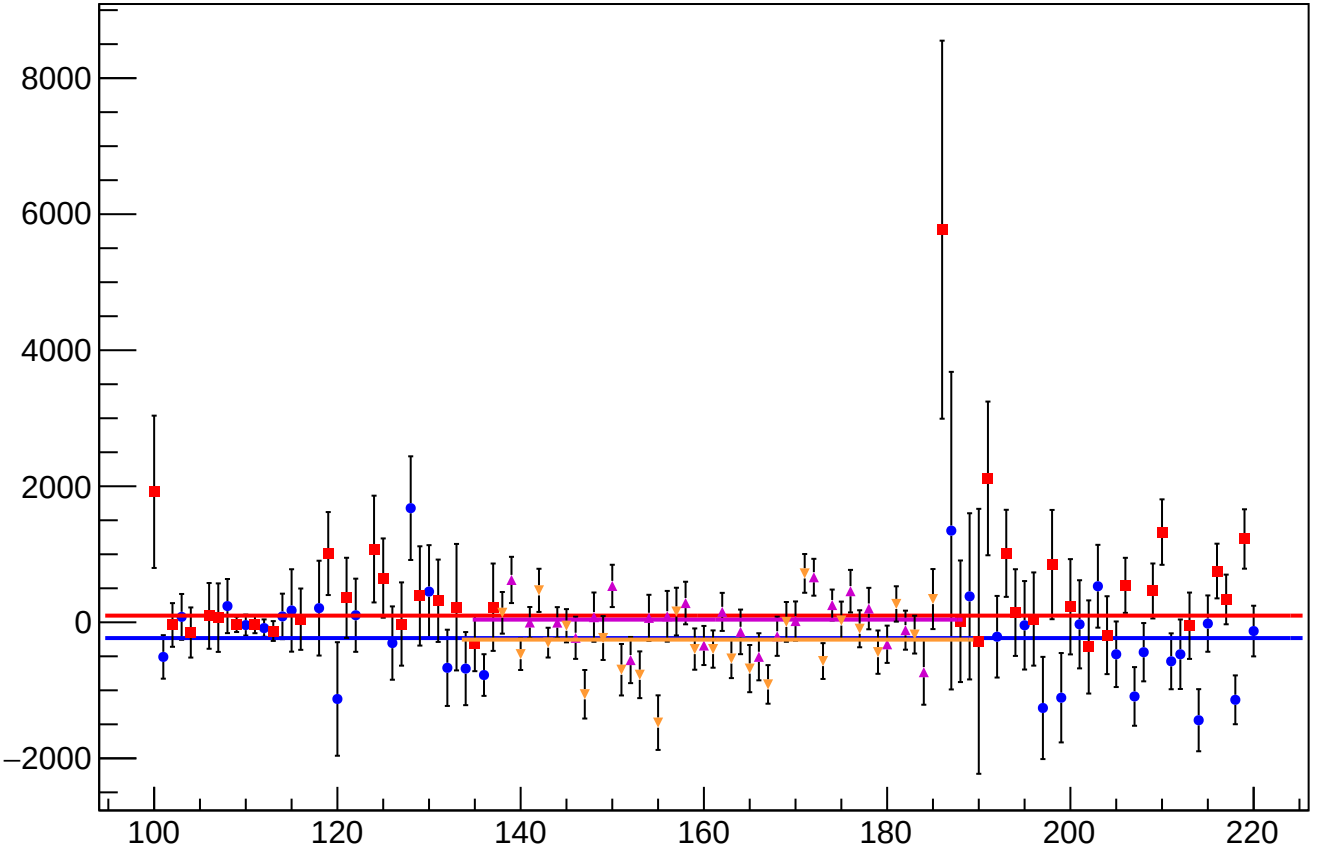
Right: 66.634+/-0.007 χ^2/NDF: 1588338.6/69

In: 62.344+/-0.007 χ^2/NDF:1170117.5/55

Out: 62.513+/-0.007 χ^2/NDF:1818070.4/61

All: 62.430+/-0.005 χ^2/NDF: 2988472.8/117

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -231.886+/-64.846 χ^2/NDF: 46.1/32

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 98.246+/-57.599 χ^2/NDF: 43.7/36

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

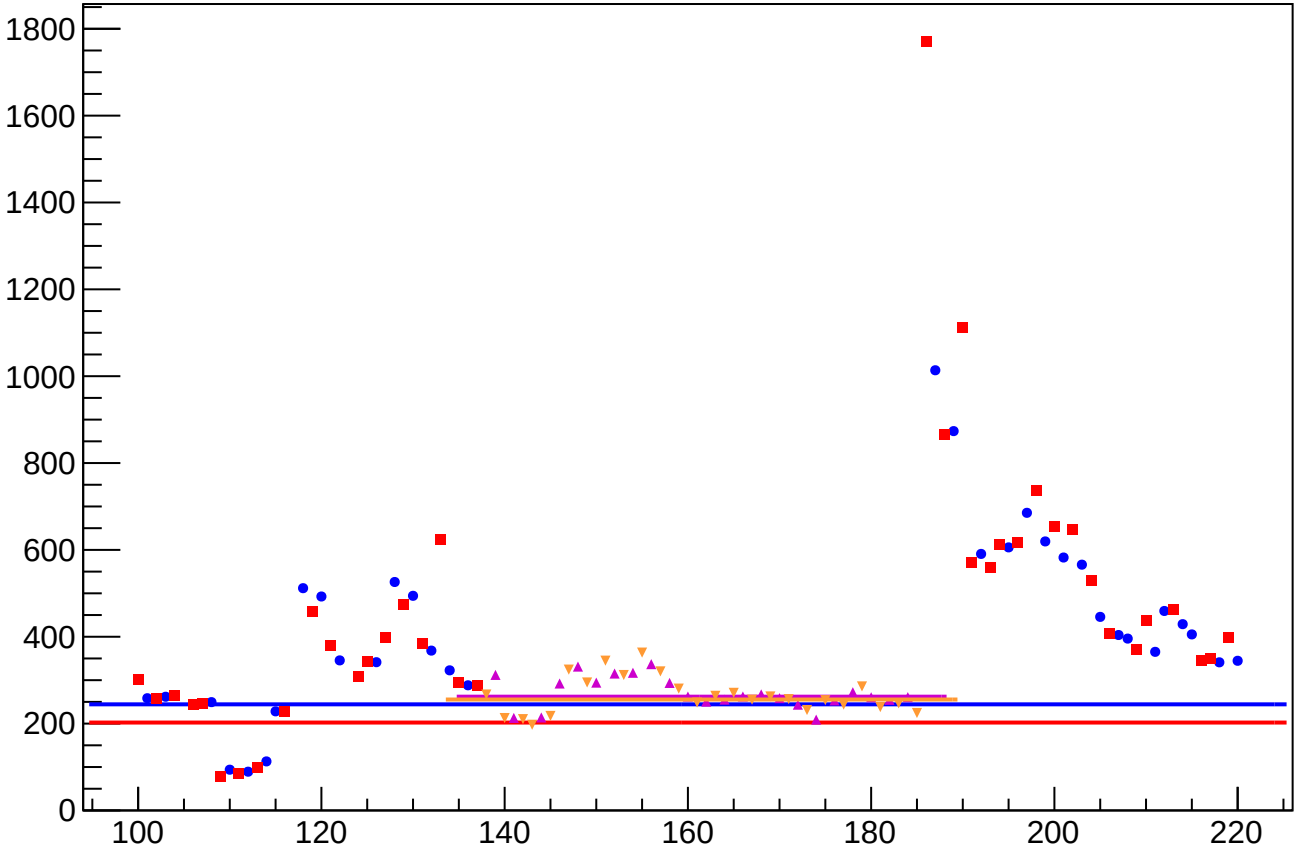
Right: -47.348+/-43.064 χ^2/NDF: 104.3/69

In: -90.037+/-44.769 χ^2/NDF:83.6/55

Out: -74.319+/-41.173 χ^2/NDF:119.7/61

All: -81.522+/-30.305 χ^2/NDF: 203.4/117

asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 244.367+/-0.046 χ^2/NDF: 13330314.6/32

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

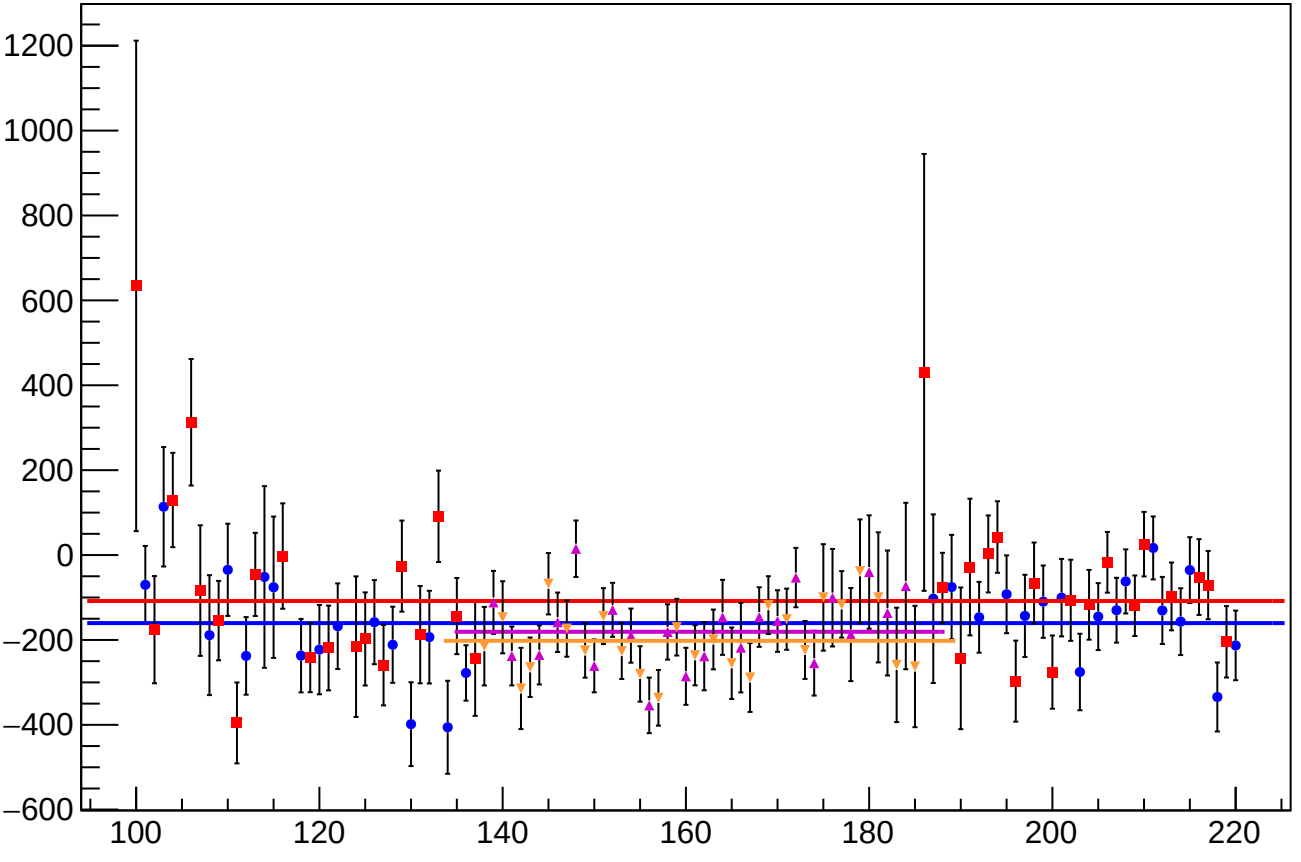
Right: 220.920+/-0.030 χ^2/NDF: 31545287.8/69

In: 253.599+/-0.032 χ^2/NDF:14078353.6/55

Out: 228.364+/-0.029 χ^2/NDF:19440691.3/61

All: 239.927+/-0.021 χ^2/NDF: 33863331.2/11

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -160.318+/-16.108 χ^2/NDF: 41.9/32

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.222+/-16.261 χ^2/NDF: 59.7/36

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

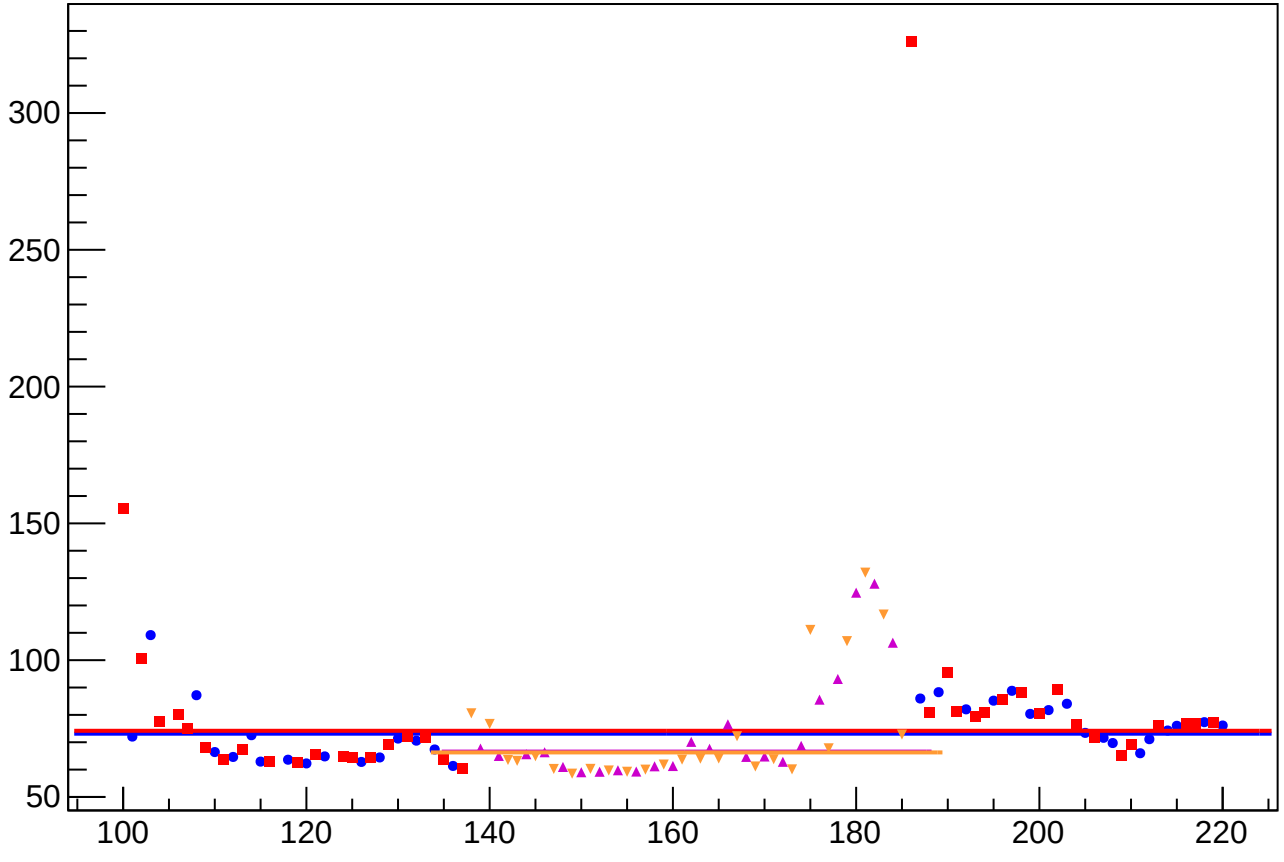
Right: -134.515+/-11.444 χ^2/NDF: 106.8/69

In: -170.607+/-11.358 χ^2/NDF:72.9/55

Out: -157.288+/-11.234 χ^2/NDF:98.6/61

All: -163.874+/-7.987 χ^2/NDF: 172.2/117

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.128+/-0.011 χ^2/NDF: 602261.1/32

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.188+/-0.011 χ^2/NDF: 1076463.1/36

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

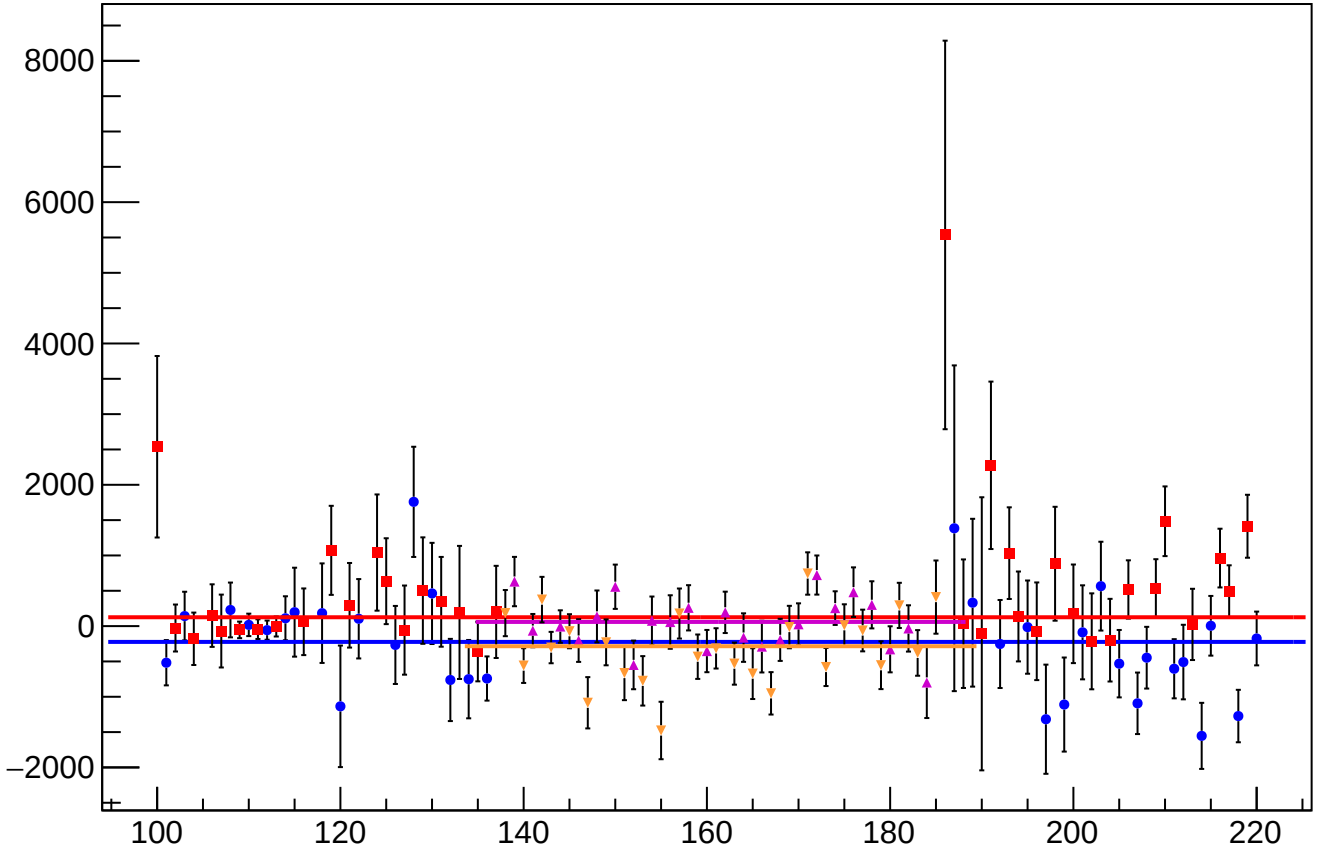
Right: 73.653+/-0.008 χ^2/NDF: 1683013.8/69

In: 69.838+/-0.008 χ^2/NDF:1926387.9/55

Out: 70.054+/-0.008 χ^2/NDF:2717662.5/61

All: 69.947+/-0.006 χ^2/NDF: 4644413.6/117

asym_sam8_dit_correction_mean vs Slug, Sign Corrected



Right In: -223.493+/-66.726 χ^2/NDF: 50.8/32

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 125.365+/-59.100 χ^2/NDF: 49.0/36

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

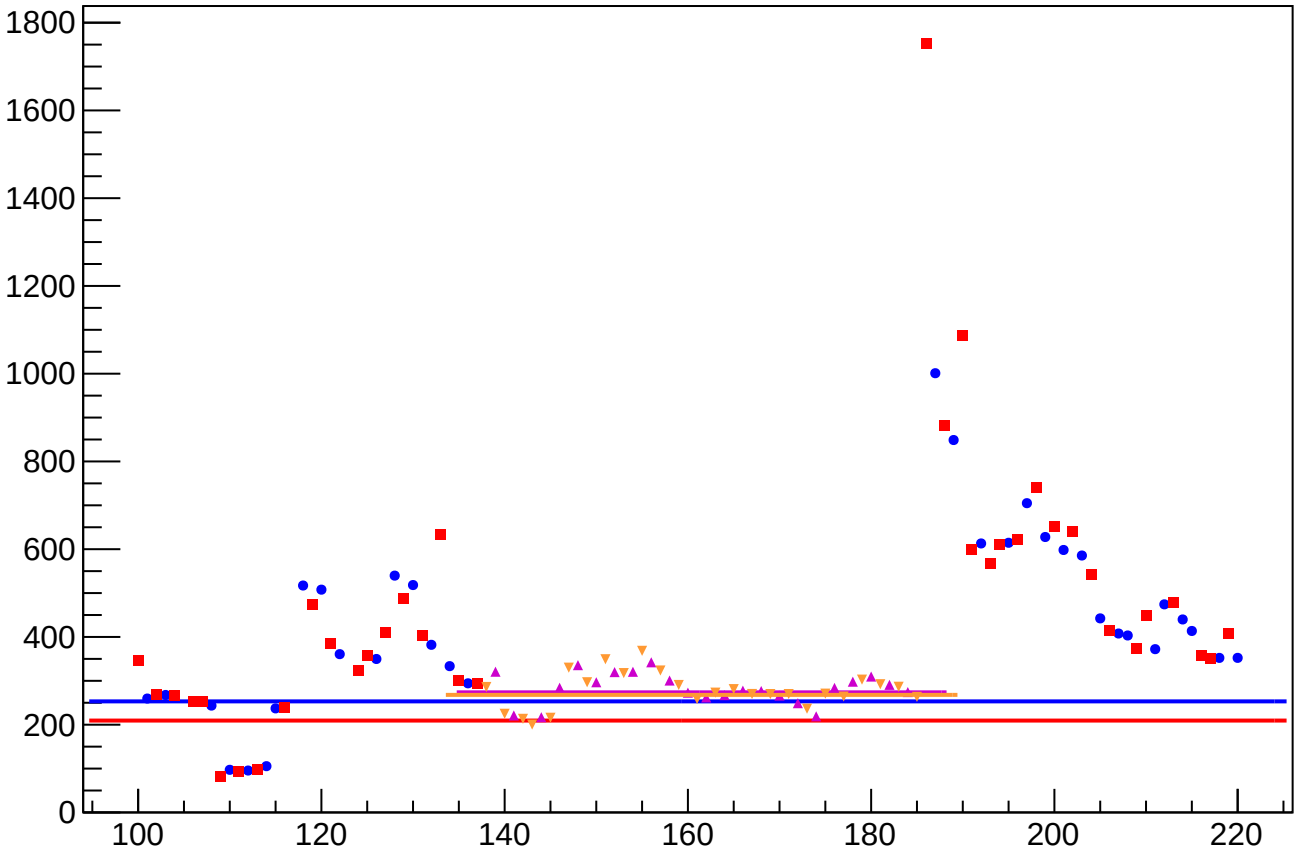
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -28.000+/-44.242 χ^2/NDF: 115.1/69

In: -77.672+/-46.426 χ^2/NDF:86.9/55

Out: -70.636+/-42.689 χ^2/NDF:126.6/61

All: -73.860+/-31.424 χ^2/NDF: 213.5/117



Right In: 253.157+/-0.047 χ^2/NDF: 12996906.7/32

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 209.422+/-0.042 χ^2/NDF: 17478008.5/36

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

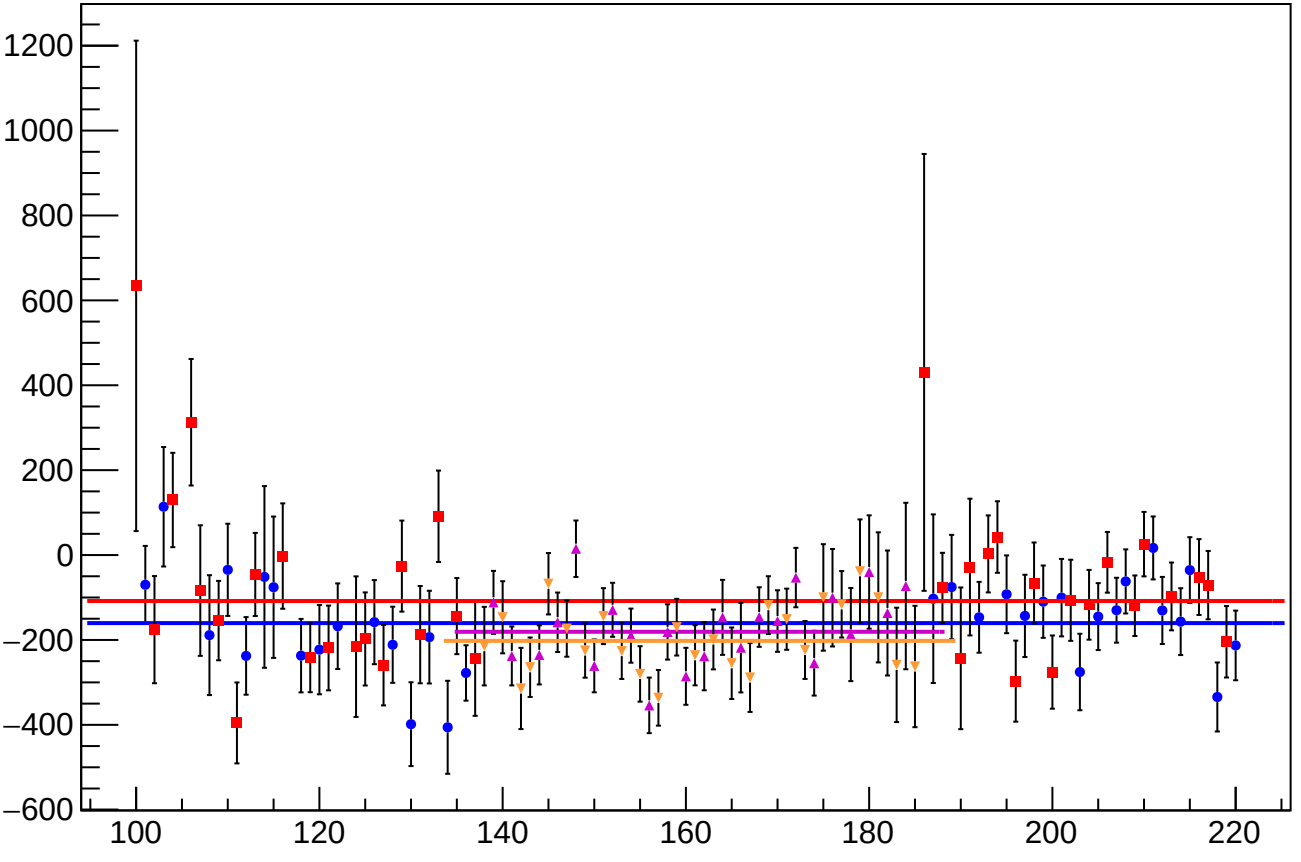
Right: 228.649+/-0.031 χ^2/NDF: 30956410.7/69

In: 263.782+/-0.033 χ^2/NDF:13745483.3/55

Out: 237.431+/-0.030 χ^2/NDF:19280031.8/61

All: 249.503+/-0.022 χ^2/NDF: 33374635.7/11

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -160.317+/-16.108 χ^2/NDF: 41.9/32

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.223+/-16.261 χ^2/NDF: 59.7/36

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

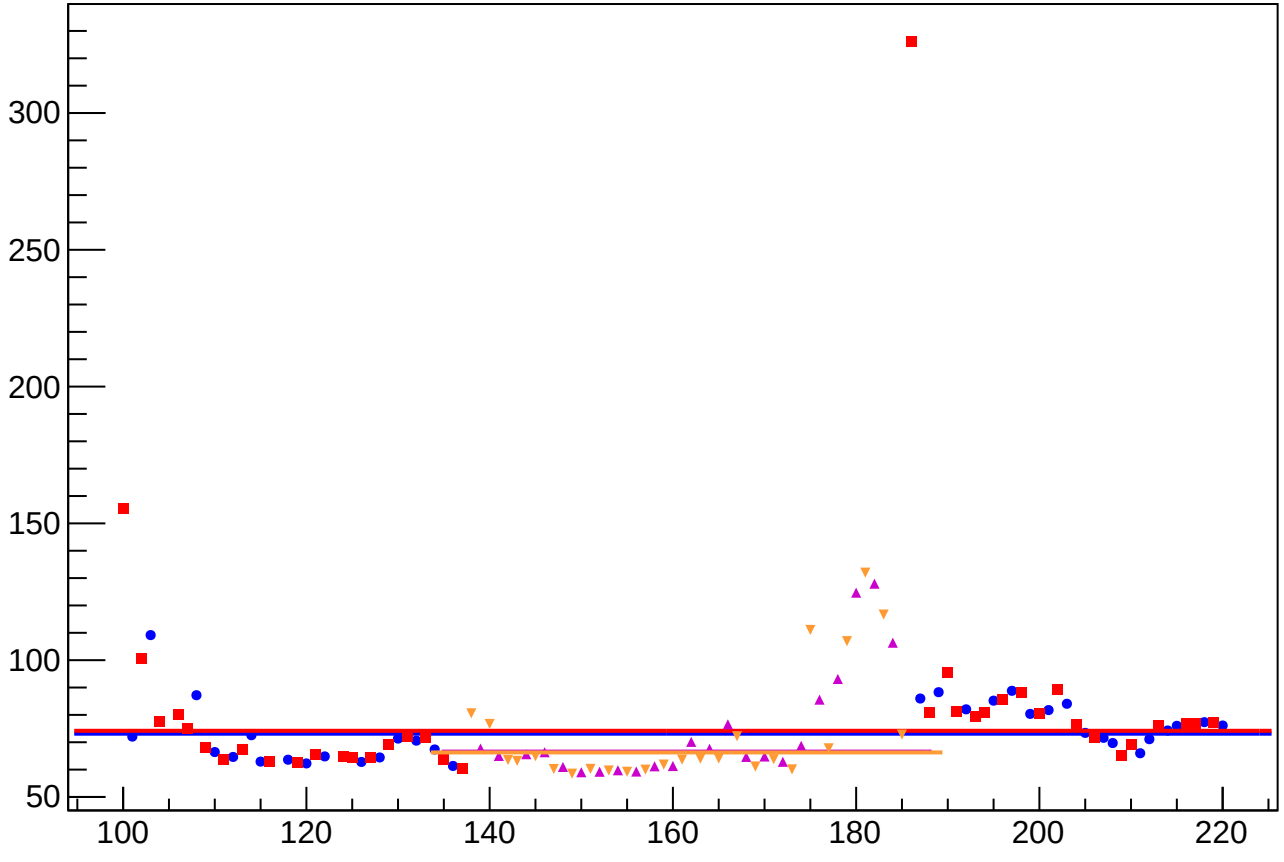
Right: -134.516+/-11.444 χ^2/NDF: 106.8/69

In: -170.608+/-11.358 χ^2/NDF:72.9/55

Out: -157.288+/-11.234 χ^2/NDF:98.6/61

All: -163.875+/-7.987 χ^2/NDF: 172.2/117

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.128+/-0.011 χ^2/NDF: 602265.3/32

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.188+/-0.011 χ^2/NDF: 1076468.0/36

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

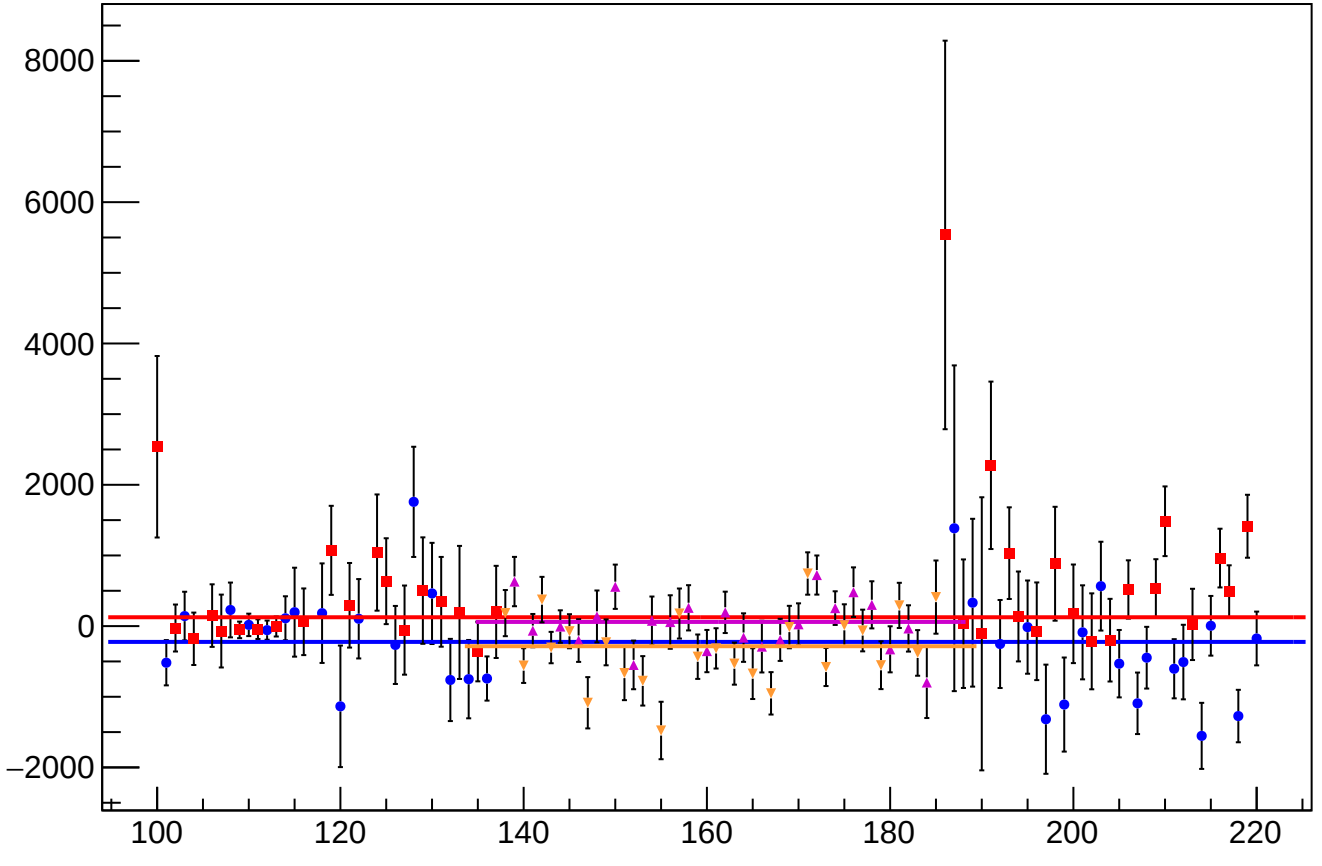
Right: 73.653+/-0.008 χ^2/NDF: 1683022.6/69

In: 69.838+/-0.008 χ^2/NDF:1926376.9/55

Out: 70.054+/-0.008 χ^2/NDF:2717658.3/61

All: 69.947+/-0.006 χ^2/NDF: 4644398.4/117

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -223.490+/-66.725 χ^2/NDF: 50.8/32

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 125.363+/-59.100 χ^2/NDF: 49.0/36

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

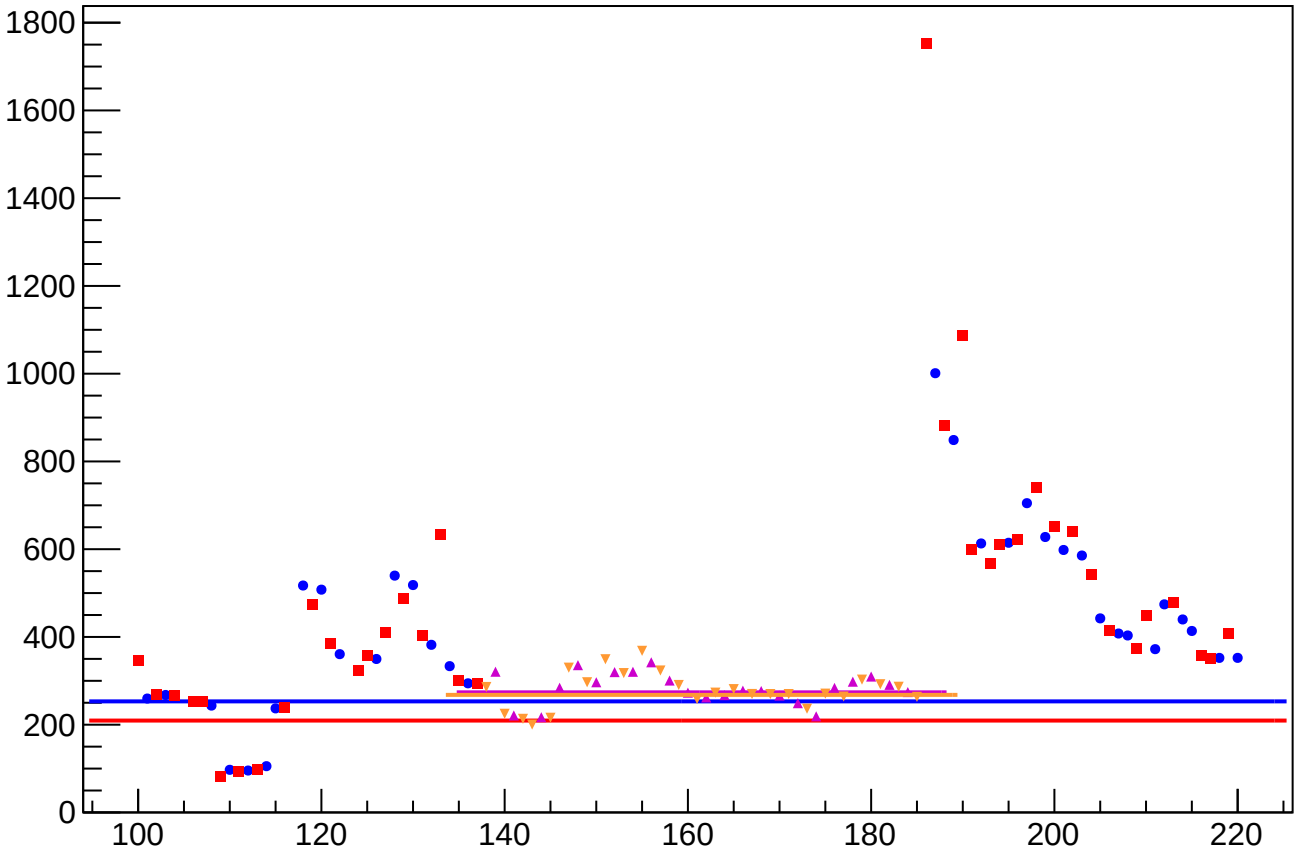
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -28.000+/-44.242 χ^2/NDF: 115.1/69

In: -77.671+/-46.426 χ^2/NDF:86.9/55

Out: -70.637+/-42.689 χ^2/NDF:126.6/61

All: -73.860+/-31.424 χ^2/NDF: 213.5/117



Right In: 253.156+/-0.047 χ^2/NDF: 12997004.3/32

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 209.421+/-0.042 χ^2/NDF: 17478005.9/36

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

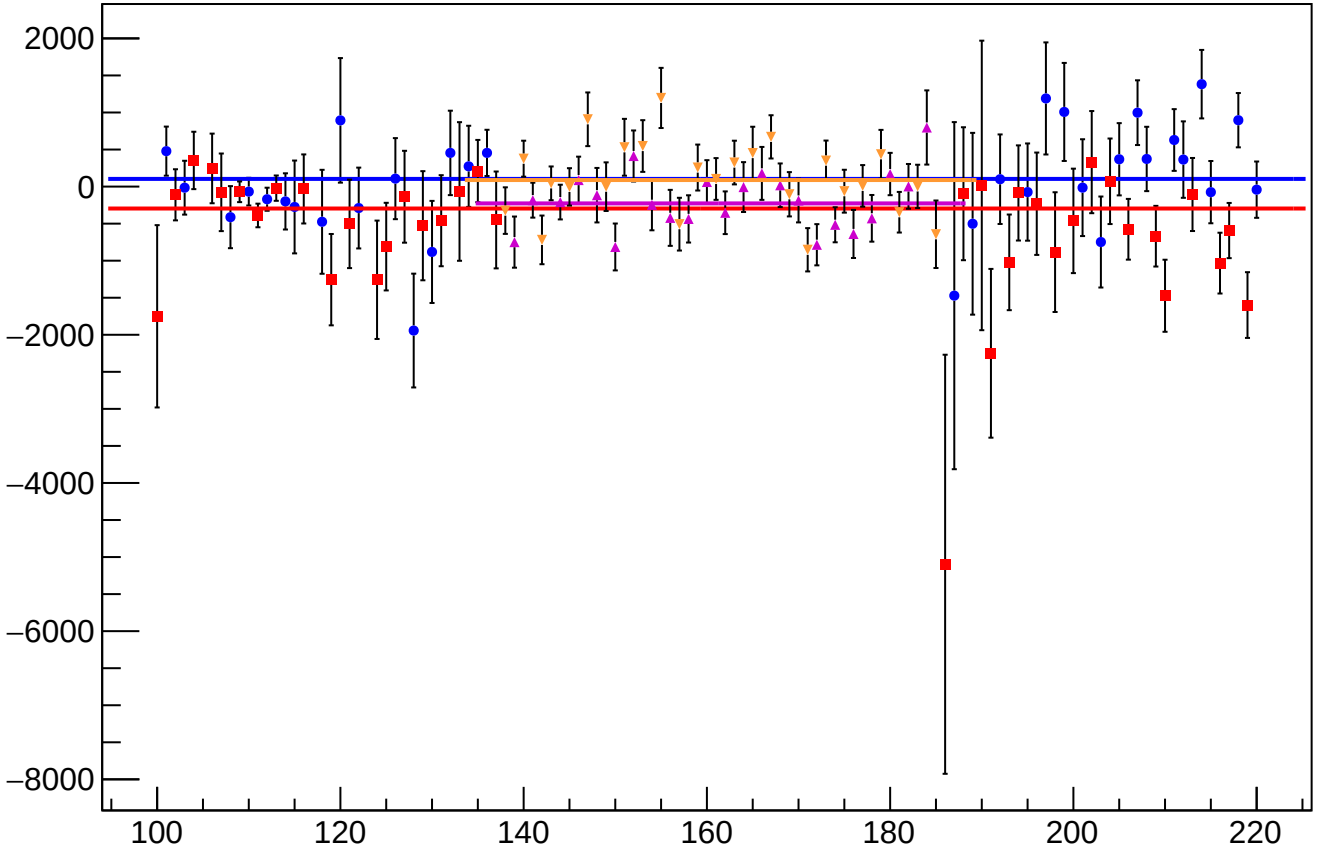
Right: 228.648+/-0.031 χ^2/NDF: 30956482.7/69

In: 263.780+/-0.033 χ^2/NDF:13745594.4/55

Out: 237.430+/-0.030 χ^2/NDF:19280029.8/61

All: 249.502+/-0.022 χ^2/NDF: 33374730.3/11

asym_sam8_mean vs Slug, Sign Corrected



Right In: 103.700+/-71.360 χ^2/NDF: 46.9/32

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -295.941+/-65.072 χ^2/NDF: 47.3/36

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

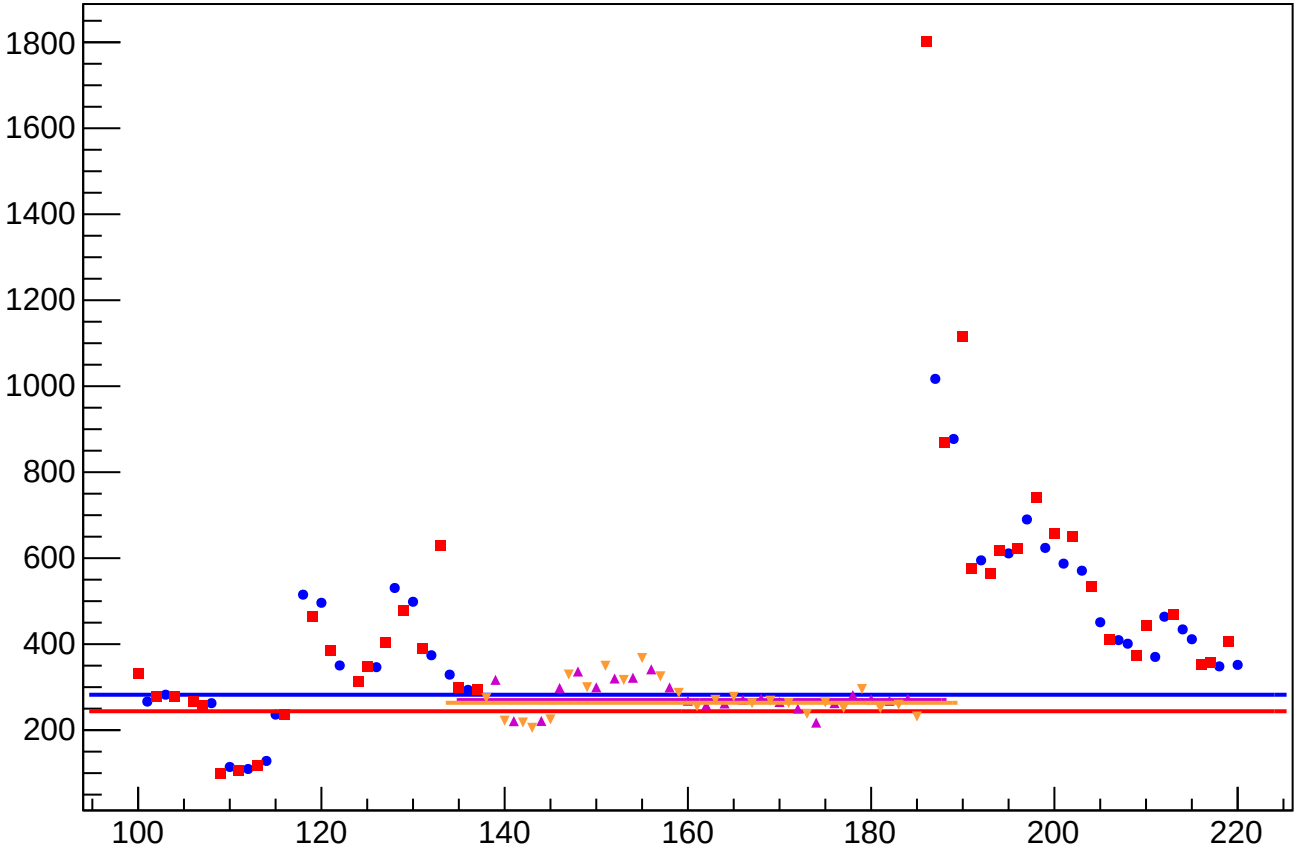
Right: -114.501+/-48.082 χ^2/NDF: 111.3/69

In: -80.331+/-47.511 χ^2/NDF:87.6/55

Out: -90.322+/-44.373 χ^2/NDF:118.2/61

All: -85.667+/-32.429 χ^2/NDF: 205.9/117

asym_sam8_rms vs Slug, Sign Corrected



Right In: 282.322+/-0.050 χ^2/NDF: 10439267.8/32

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 243.925+/-0.046 χ^2/NDF: 14530132.1/36

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

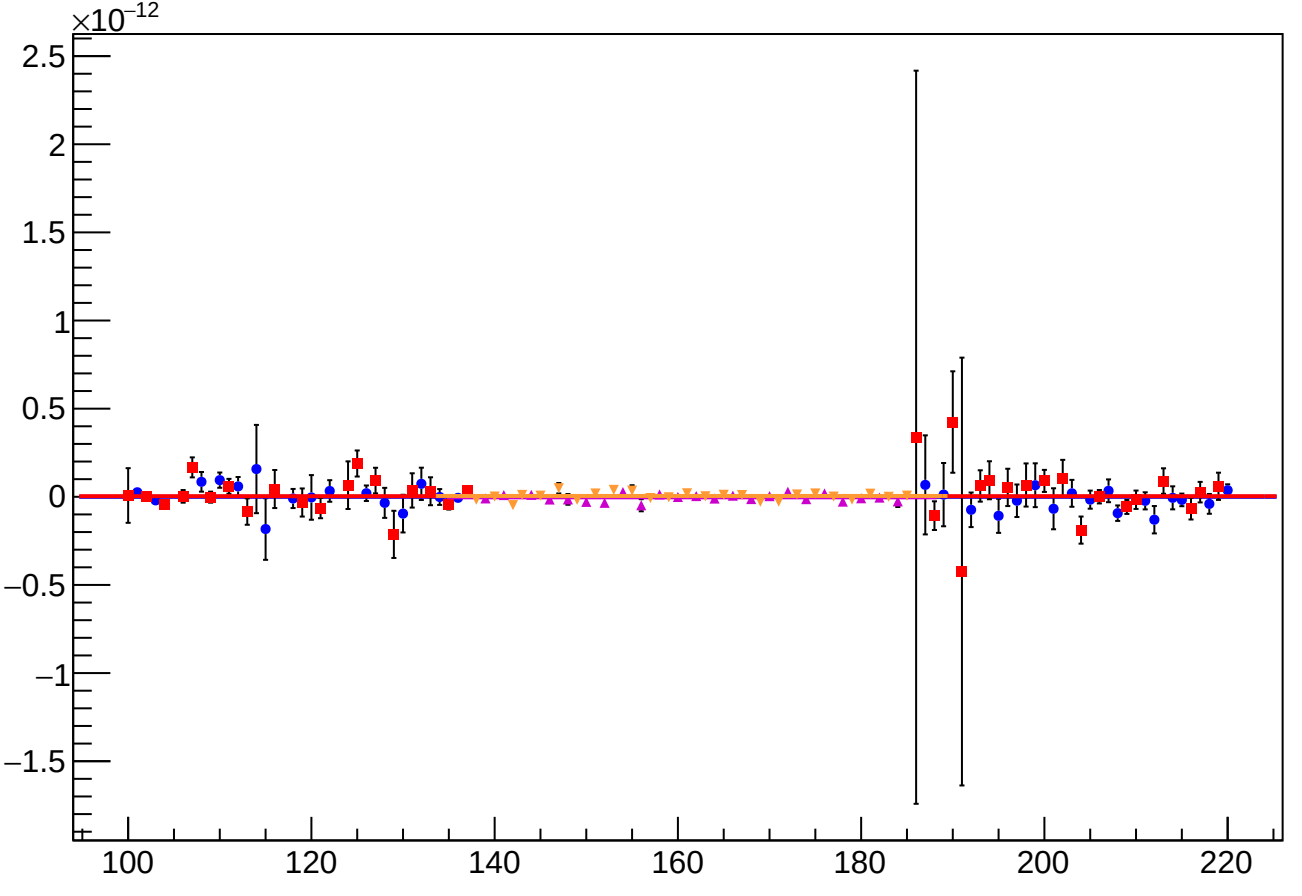
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 261.358+/-0.034 χ^2/NDF: 25285566.8/69

In: 275.405+/-0.034 χ^2/NDF:11075265.6/55

Out: 254.447+/-0.031 χ^2/NDF:15407736.2/61

All: 264.211+/-0.023 χ^2/NDF: 26690866.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 51.4/36

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

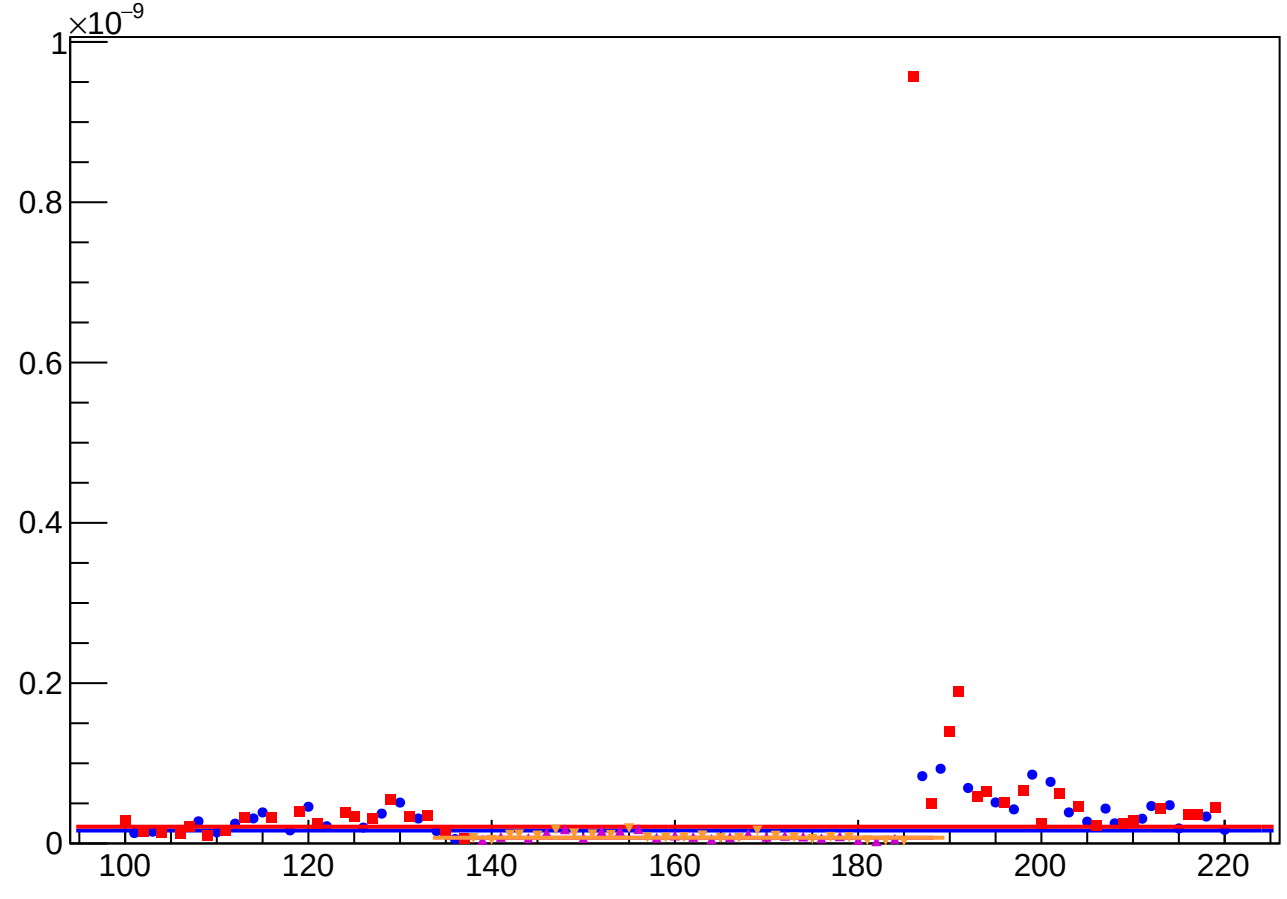
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 78.3/69

In: -0.000+/-0.000 χ^2/NDF:48.5/55

Out: 0.000+/-0.000 χ^2/NDF:79.3/61

All: 0.000+/-0.000 χ^2/NDF: 130.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 7019212.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5411593.4/36

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

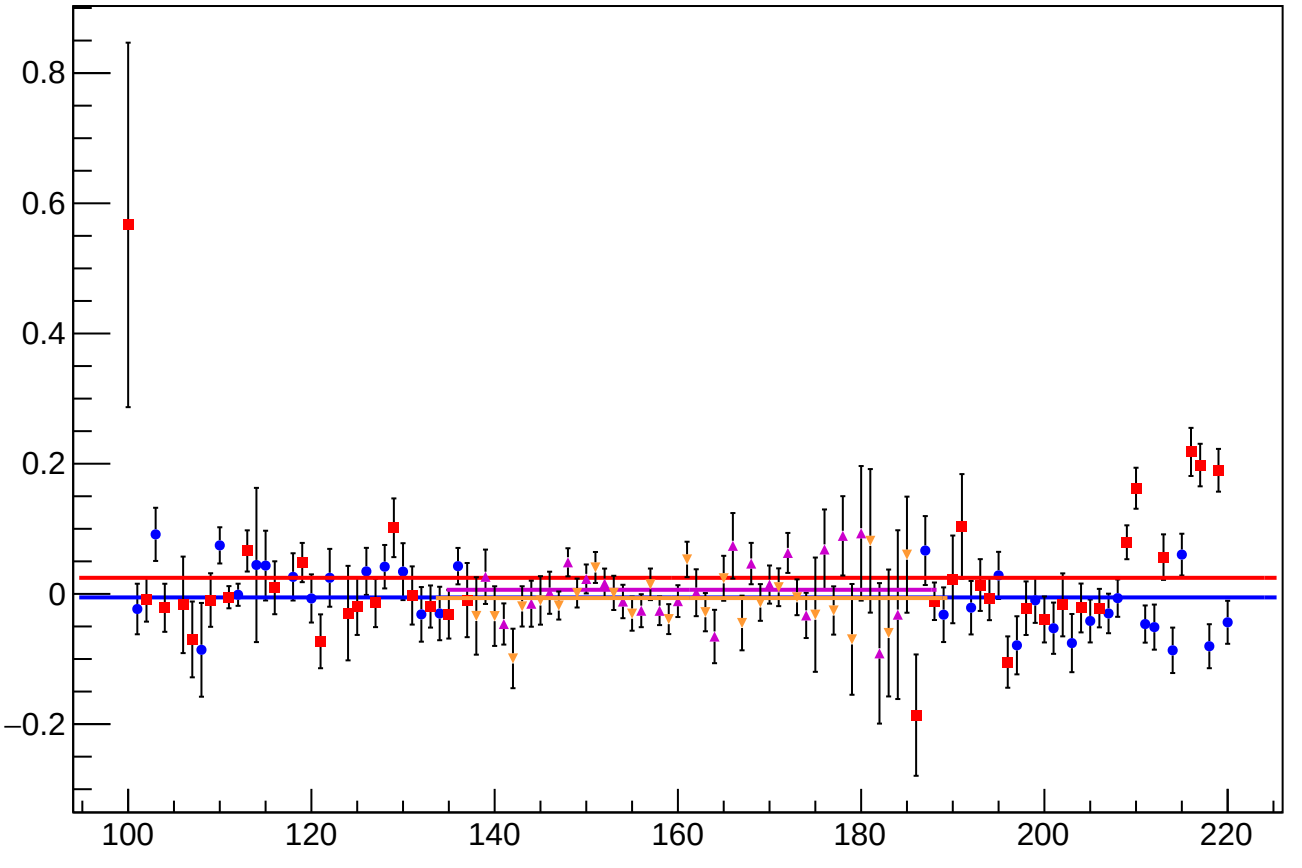
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12788828.2/69

In: 0.000+/-0.000 χ^2/NDF:11727950.3/55

Out: 0.000+/-0.000 χ^2/NDF:11856865.0/61

All: 0.000+/-0.000 χ^2/NDF: 23585828.9/117



Right In: -0.005+/-0.006 χ^2/NDF: 56.8/32

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

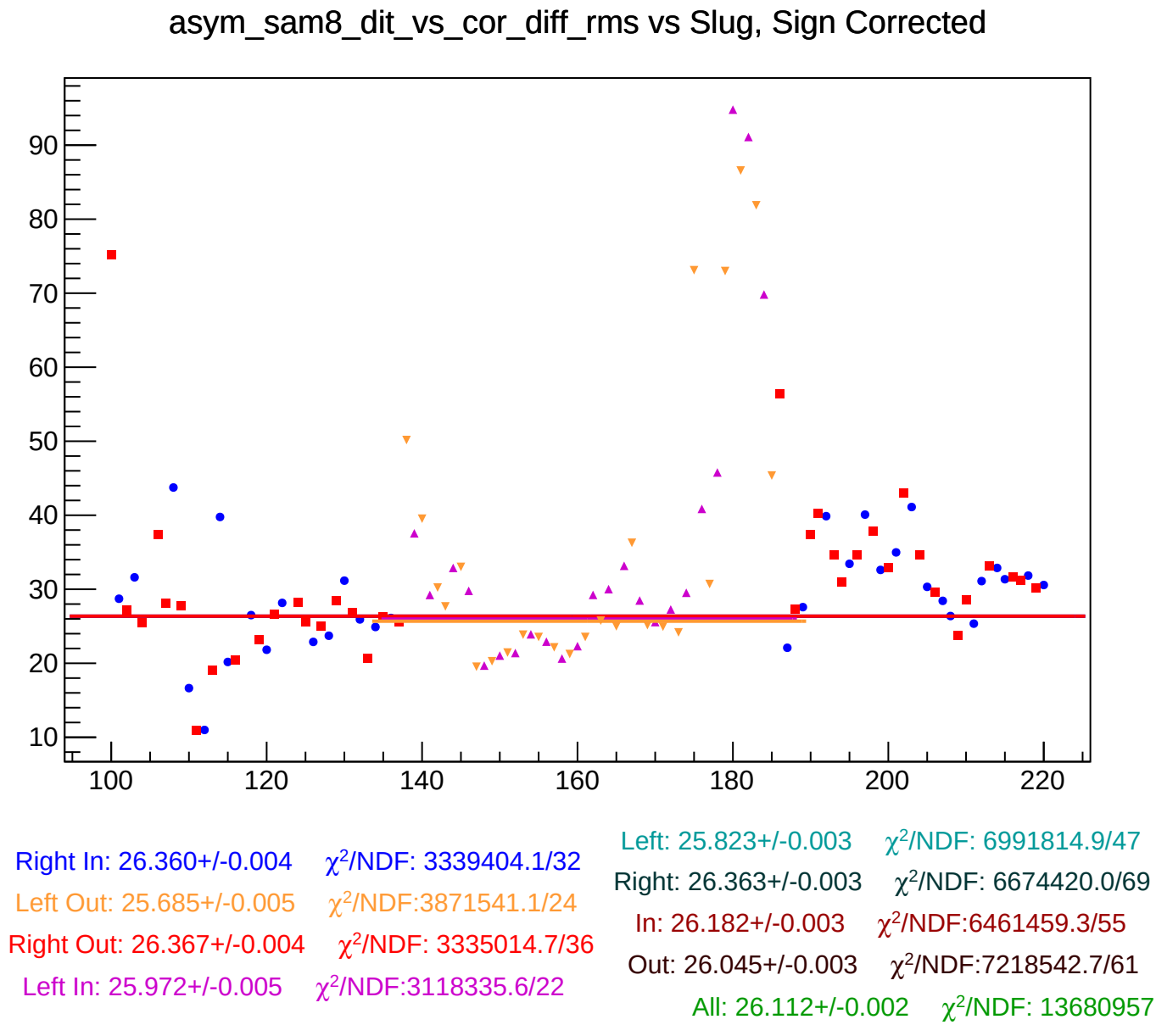
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

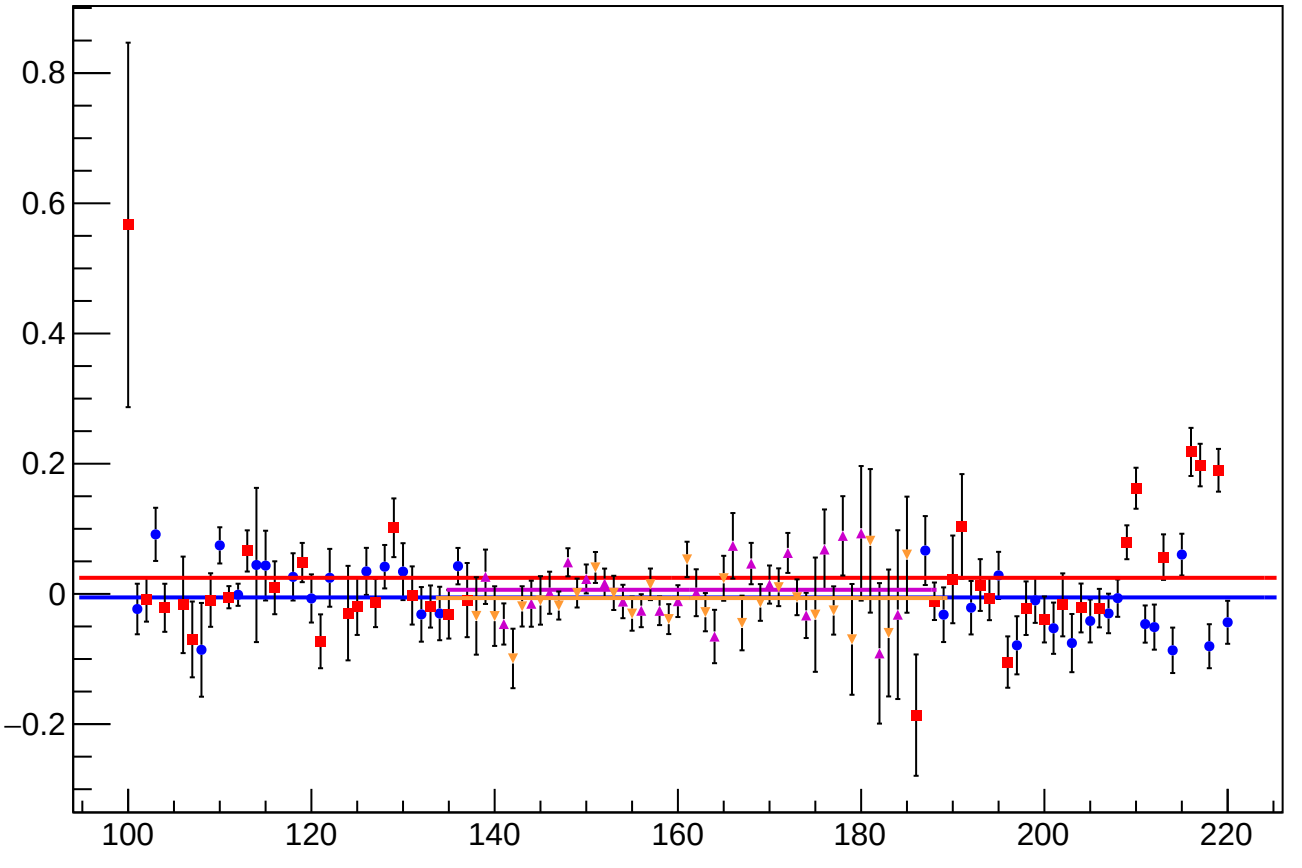
Right: 0.010+/-0.004 χ^2/NDF: 234.4/69

In: -0.000+/-0.004 χ^2/NDF:86.9/55

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.005+/-0.003 χ^2/NDF: 289.8/117


asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 26.360+/-0.004 χ²/NDF: 3339404.1/32
Left Out: 25.685+/-0.005 χ²/NDF:3871541.1/24
Right Out: 26.367+/-0.004 χ²/NDF: 3335014.7/36
Left In: 25.972+/-0.005 χ²/NDF:3118335.6/22
Left: 25.823+/-0.003 χ²/NDF: 6991814.9/47
Right: 26.363+/-0.003 χ²/NDF: 6674420.0/69
In: 26.182+/-0.003 χ²/NDF:6461459.3/55
Out: 26.045+/-0.003 χ²/NDF:7218542.7/61
All: 26.112+/-0.002 χ²/NDF: 13680957.6/117



Right In: -0.005+/-0.006 χ^2/NDF: 56.8/32

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

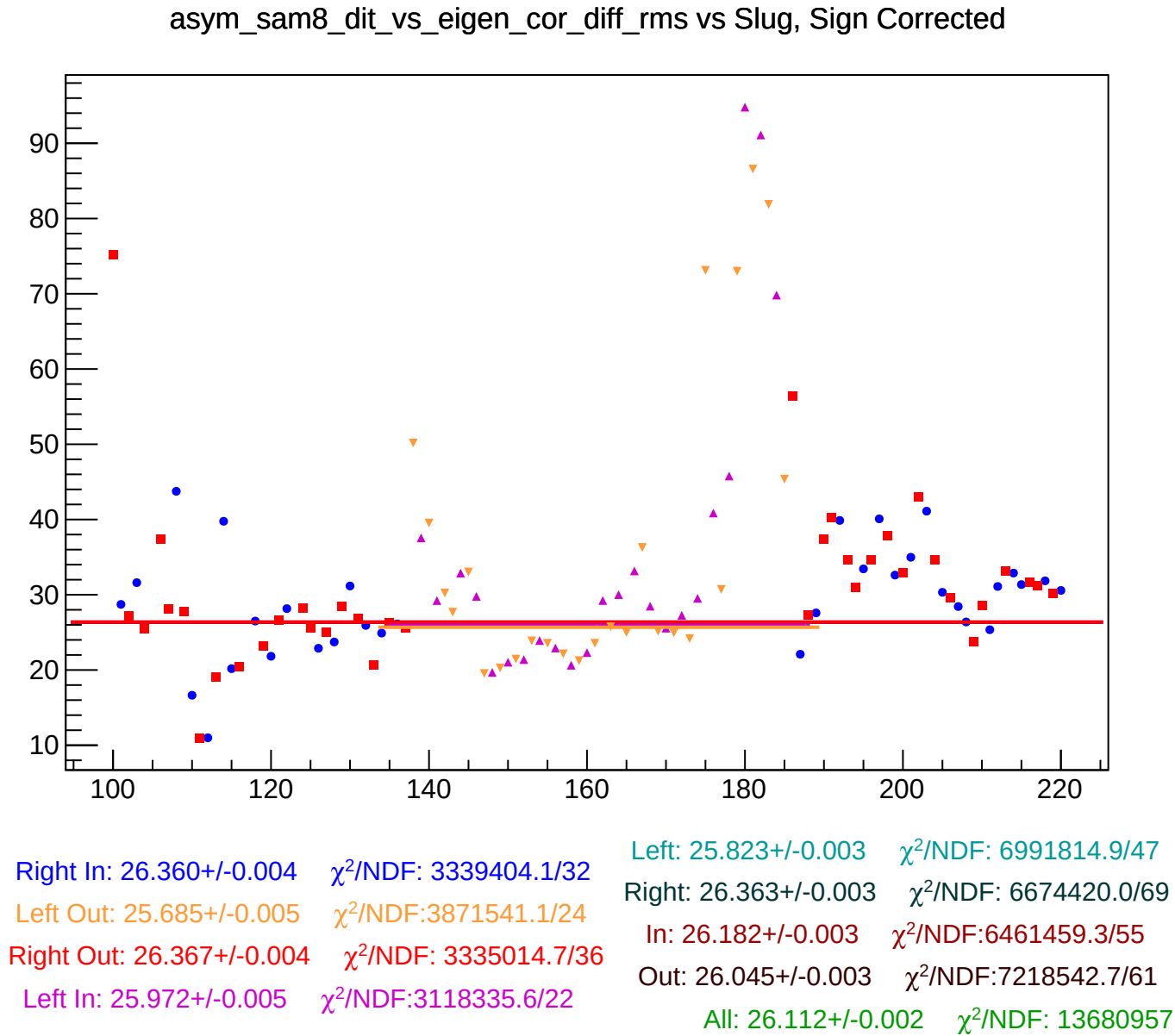
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.010+/-0.004 χ^2/NDF: 234.4/69

In: -0.000+/-0.004 χ^2/NDF:86.9/55

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.005+/-0.003 χ^2/NDF: 289.8/117


asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
90
80
70
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100
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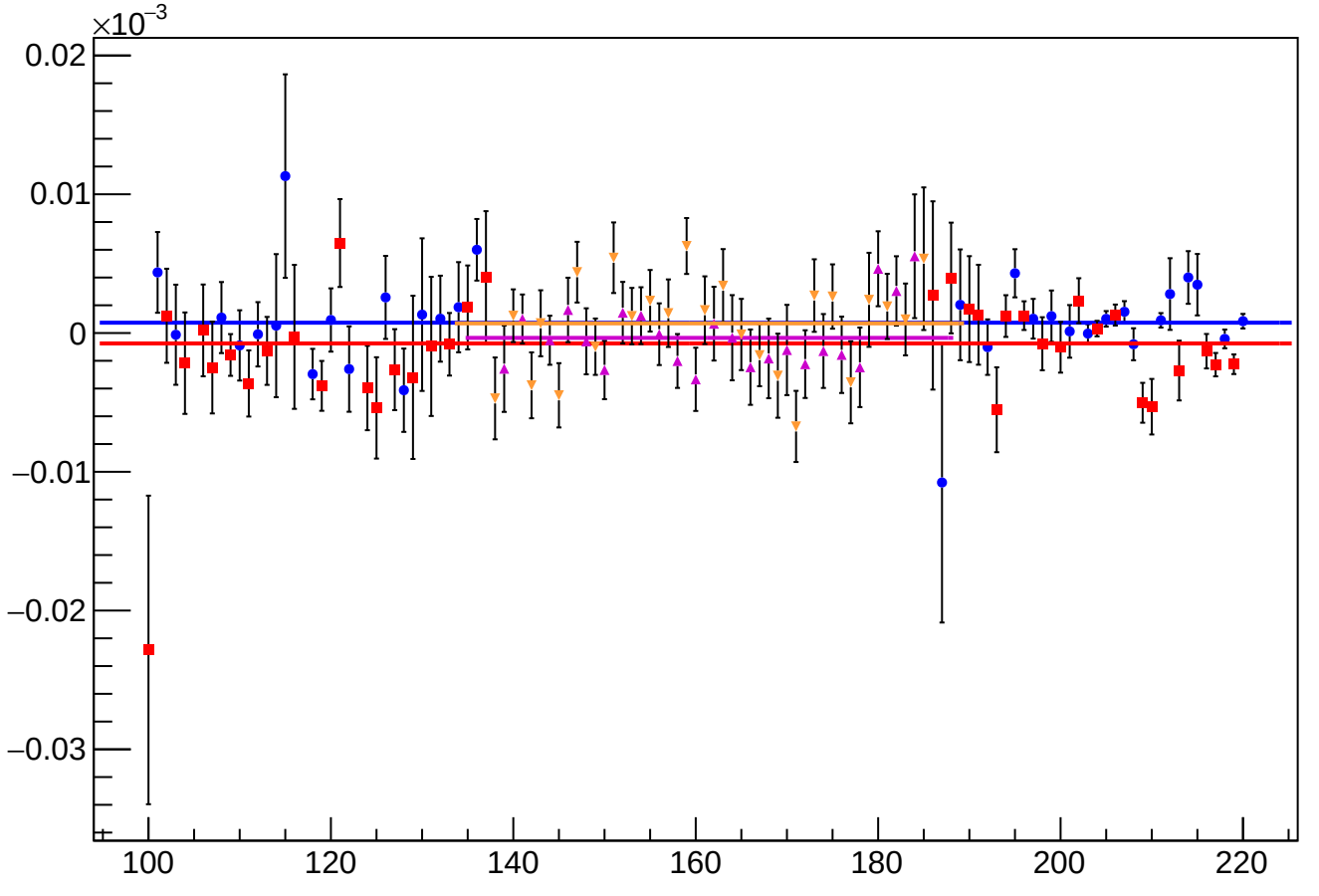
140
160
180
200
220
Right In: 26.360+/-0.004 χ²/NDF: 3339404.1/32
Left Out: 25.685+/-0.005 χ²/NDF:3871541.1/24
Right Out: 26.367+/-0.004 χ²/NDF: 3335014.7/36
Left In: 25.972+/-0.005 χ²/NDF:3118335.6/22
Left: 25.823+/-0.003 χ²/NDF: 6991814.9/47
Right: 26.363+/-0.003 χ²/NDF: 6674420.0/69
In: 26.182+/-0.003 χ²/NDF:6461459.3/55
Out: 26.045+/-0.003 χ²/NDF:7218542.7/61
All: 26.112+/-0.002 χ²/NDF: 13680957.6/117



Right In: 0.000+/-0.000 χ^2/NDF: 37.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 67.6/36

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

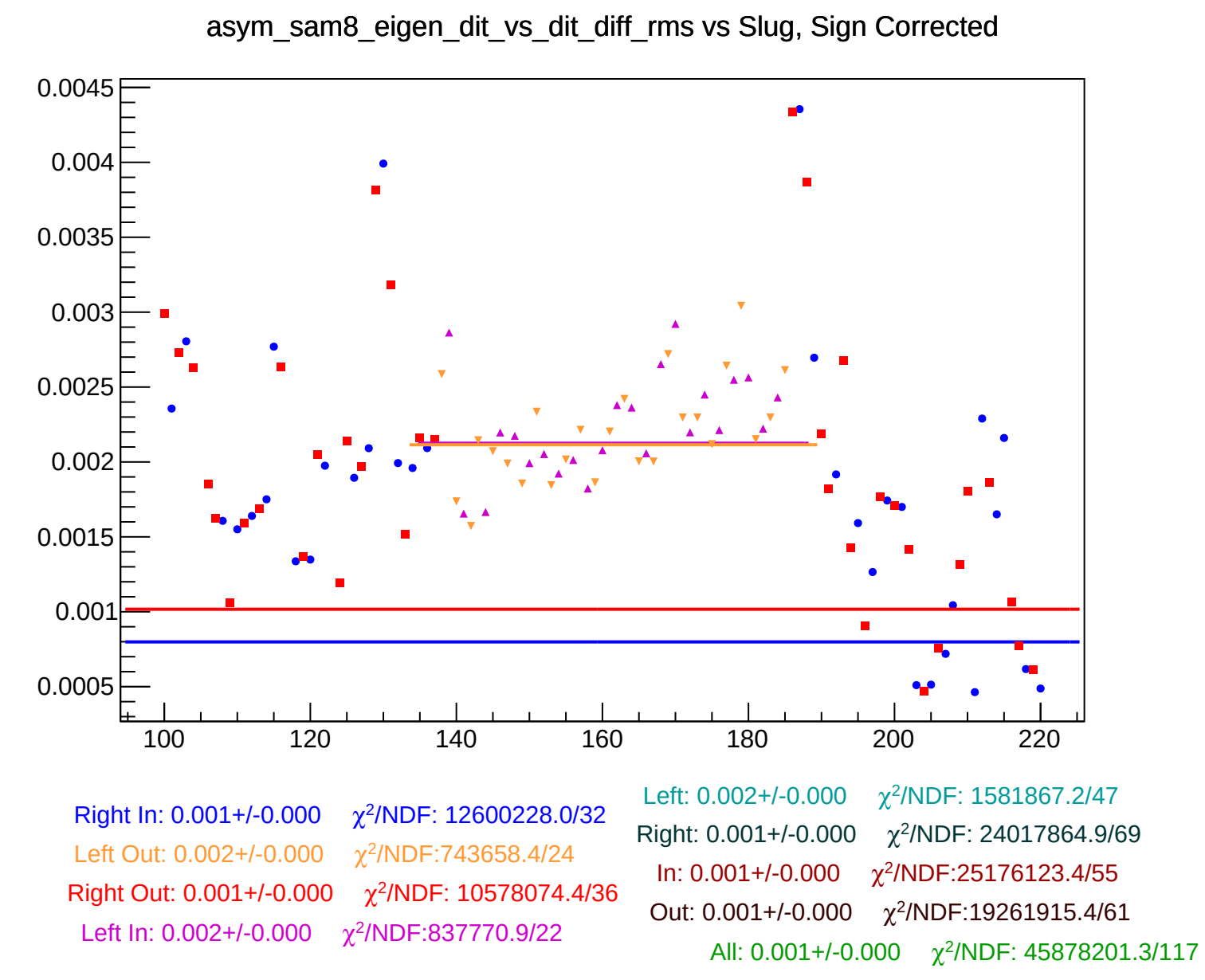
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

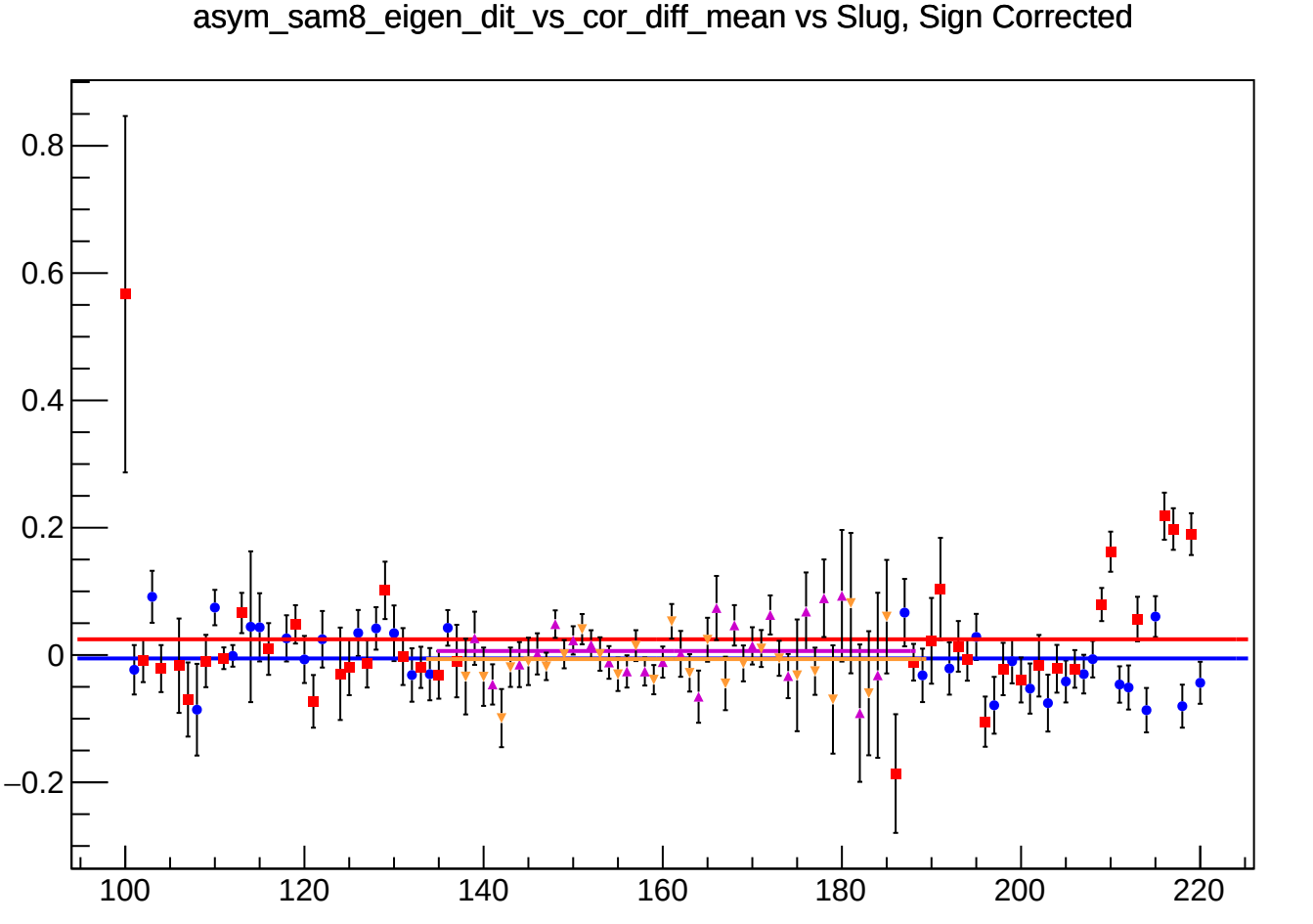
Right: 0.000+/-0.000 χ^2/NDF: 125.0/69

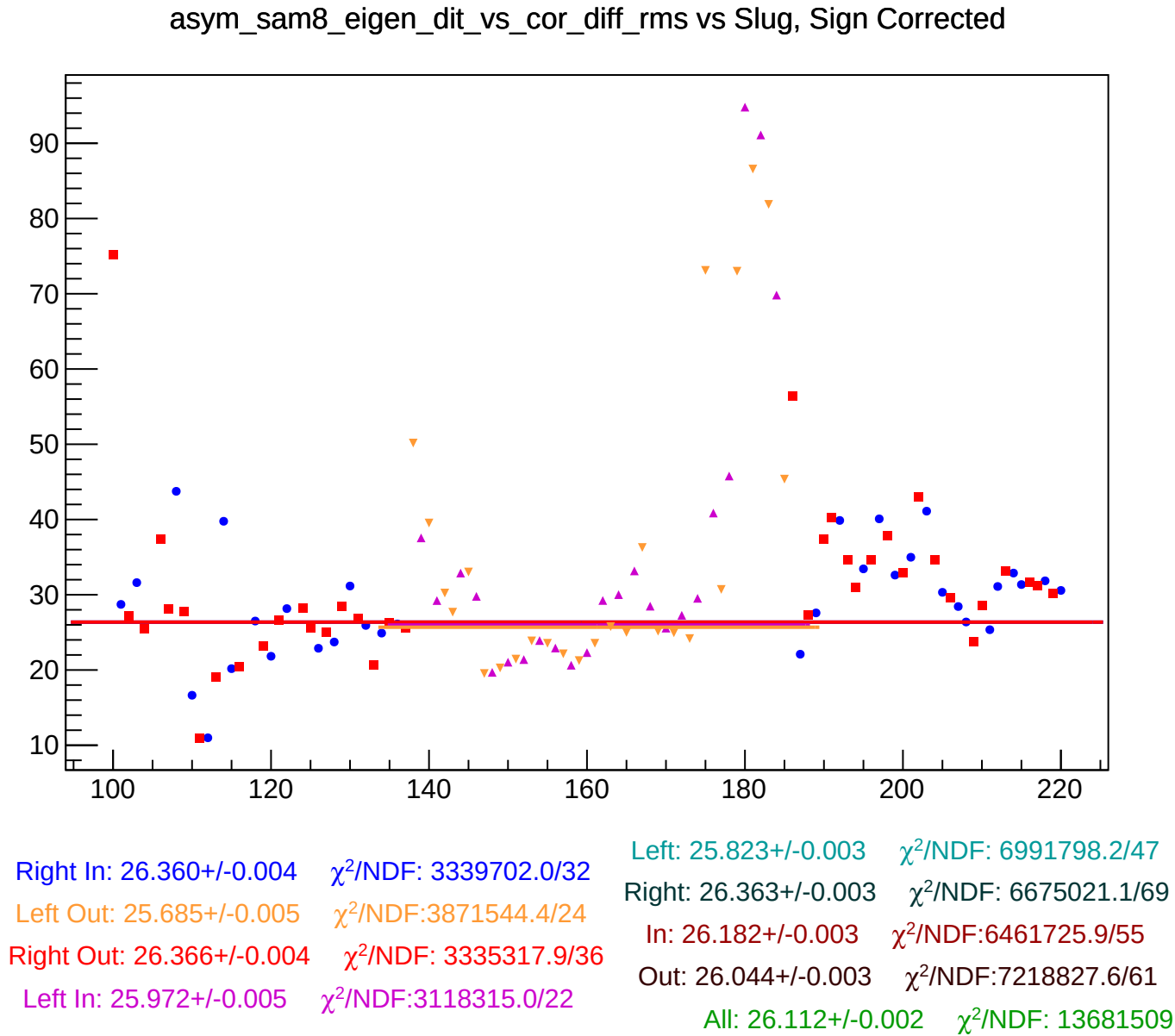
In: 0.000+/-0.000 χ^2/NDF:58.1/55

Out: -0.000+/-0.000 χ^2/NDF:118.8/61

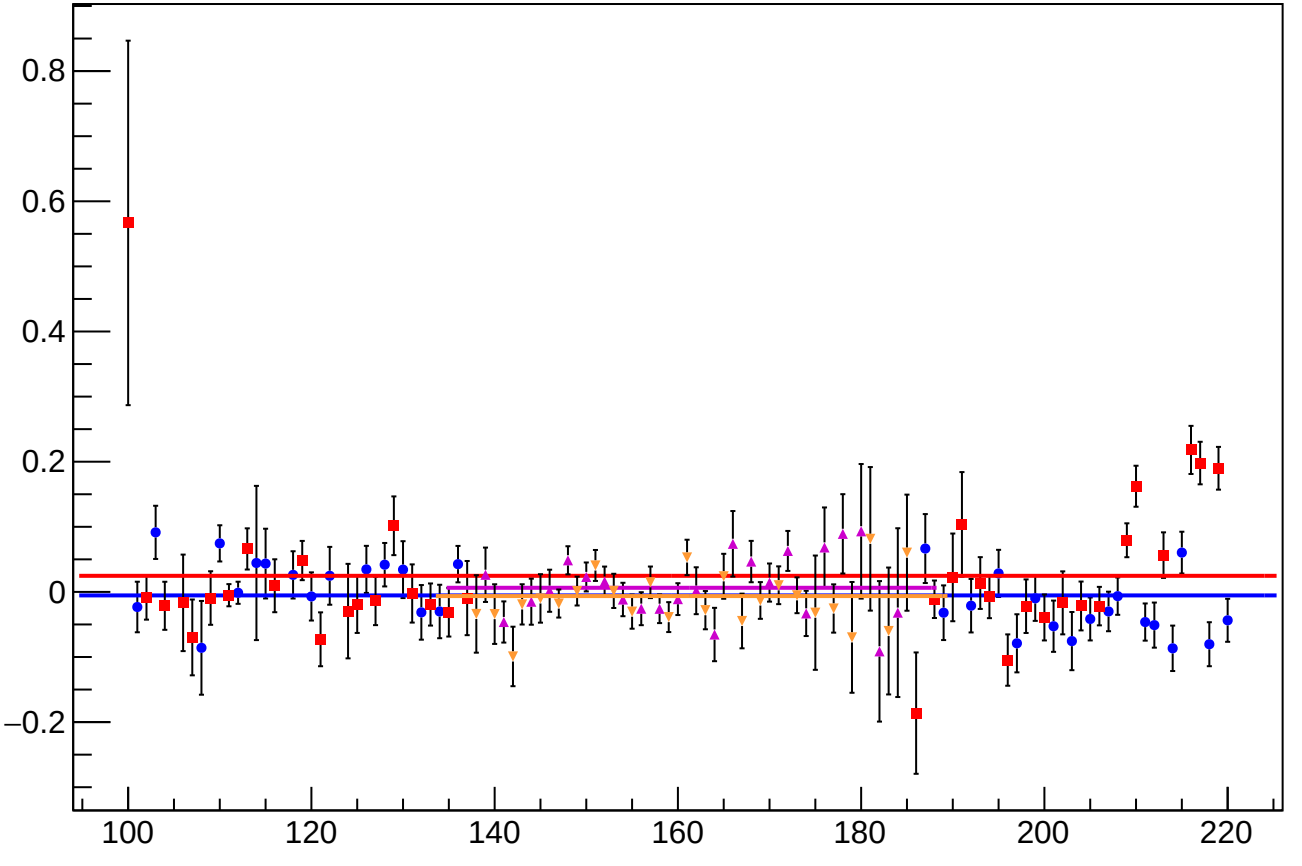
All: 0.000+/-0.000 χ^2/NDF: 188.0/117


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
0.0005
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 12600228.0/32
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 10578074.4/36
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.001+/-0.000 χ²/NDF: 24017864.9/69
In: 0.001+/-0.000 χ²/NDF:25176123.4/55
Out: 0.001+/-0.000 χ²/NDF:19261915.4/61
All: 0.001+/-0.000 χ²/NDF: 45878201.3/117


asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
220
Right In: -0.005+/-0.006 χ²/NDF: 56.8/32
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: 0.025+/-0.006 χ²/NDF: 165.3/36
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: 0.010+/-0.004 χ²/NDF: 234.4/69
In: -0.000+/-0.004 χ²/NDF:86.9/55
Out: 0.010+/-0.004 χ²/NDF:200.3/61
All: 0.005+/-0.003 χ²/NDF: 289.8/117


asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 26.360+/-0.004 χ²/NDF: 3339702.0/32
Left Out: 25.685+/-0.005 χ²/NDF:3871544.4/24
Right Out: 26.366+/-0.004 χ²/NDF: 3335317.9/36
Left In: 25.972+/-0.005 χ²/NDF:3118315.0/22
Left: 25.823+/-0.003 χ²/NDF: 6991798.2/47
Right: 26.363+/-0.003 χ²/NDF: 6675021.1/69
In: 26.182+/-0.003 χ²/NDF:6461725.9/55
Out: 26.044+/-0.003 χ²/NDF:7218827.6/61
All: 26.112+/-0.002 χ²/NDF: 13681509.9/117

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.006 χ^2/NDF: 56.8/32

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

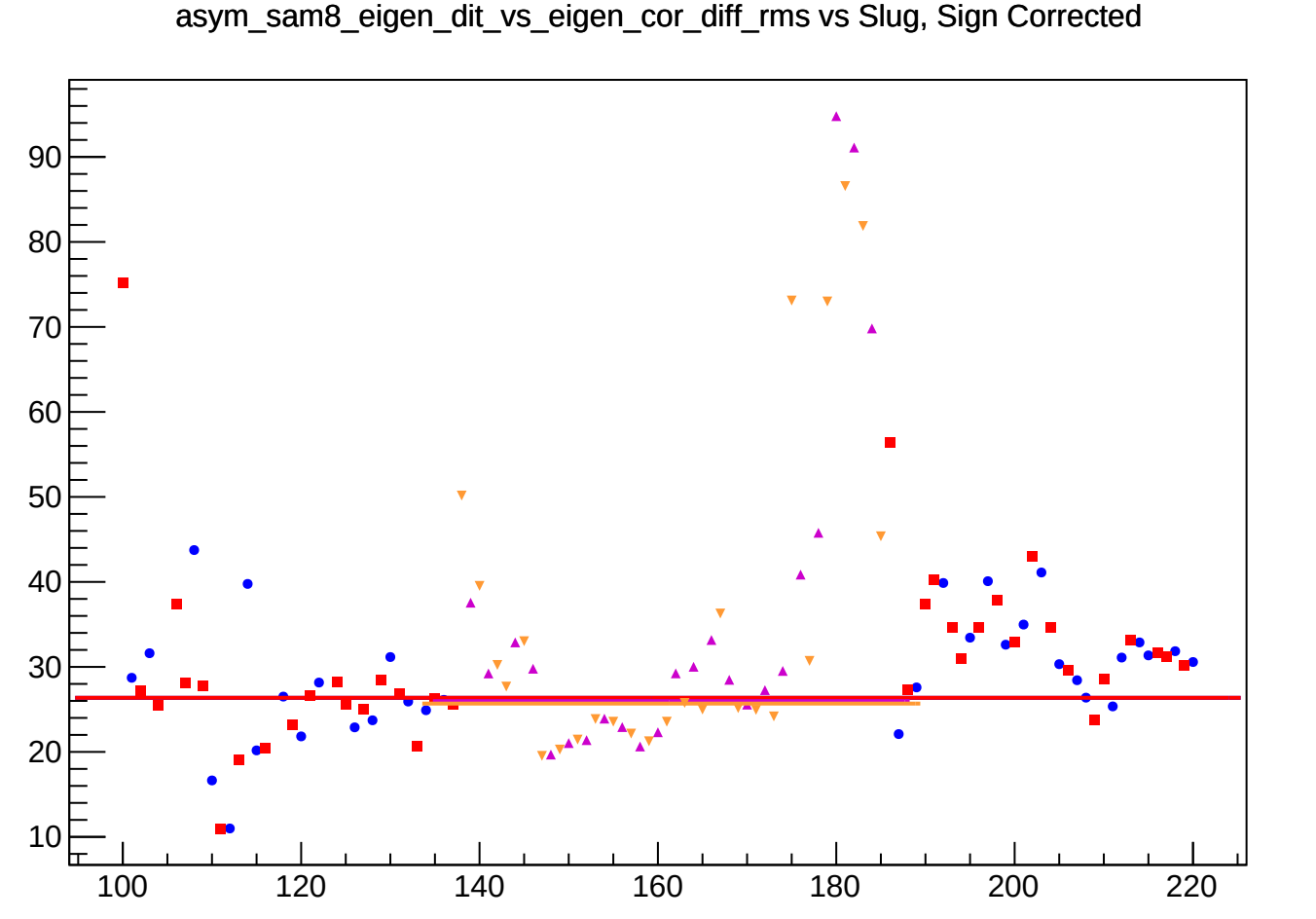
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.010+/-0.004 χ^2/NDF: 234.4/69

In: -0.000+/-0.004 χ^2/NDF:86.9/55

Out: 0.010+/-0.004 χ^2/NDF:200.3/61

All: 0.005+/-0.003 χ^2/NDF: 289.8/117



Right In: 26.360+/-0.004 χ^2/NDF: 3339702.0/32

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 26.366+/-0.004 χ^2/NDF: 3335317.9/36

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

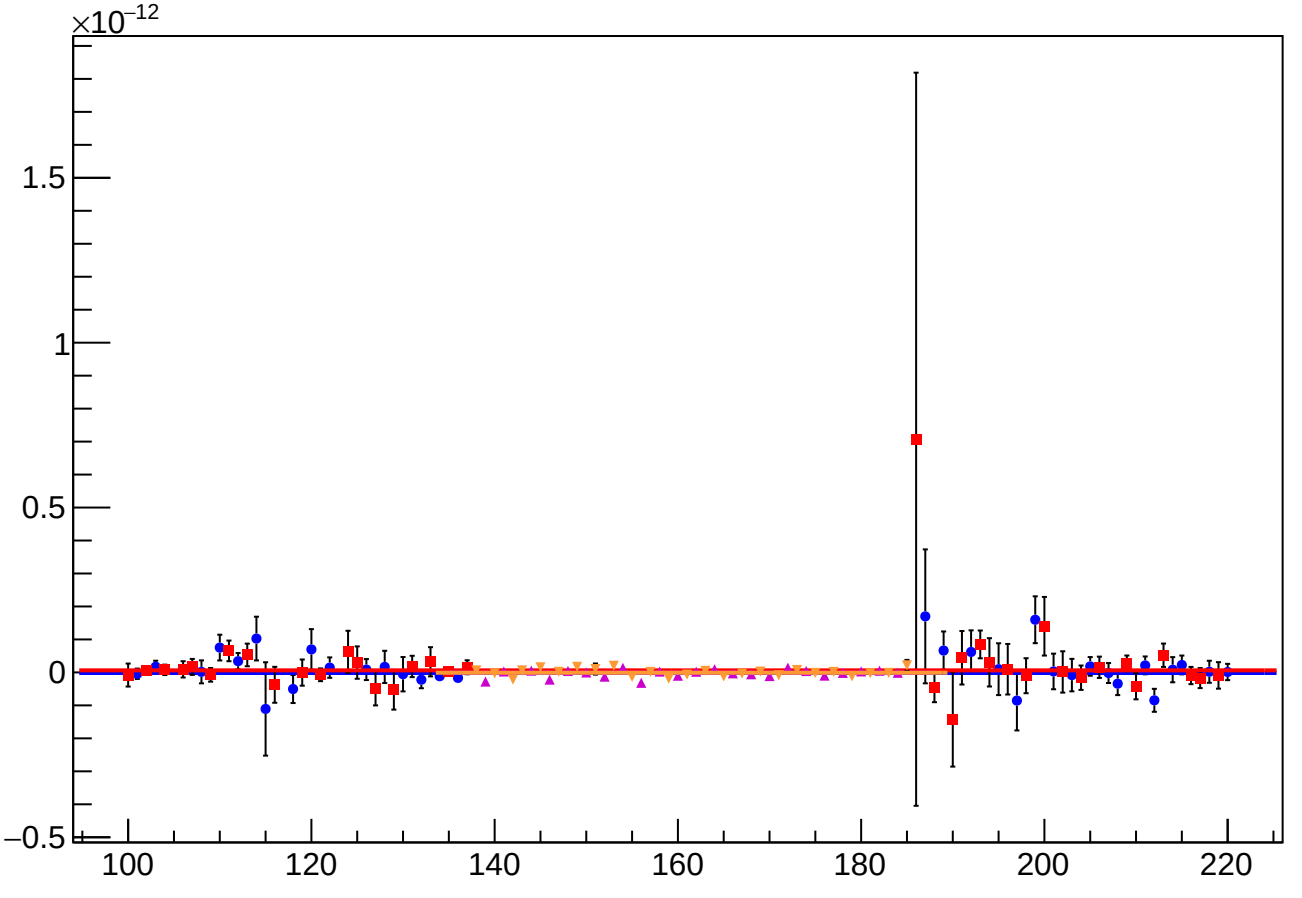
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 26.363+/-0.003 χ^2/NDF: 6675021.1/69

In: 26.182+/-0.003 χ^2/NDF:6461725.9/55

Out: 26.044+/-0.003 χ^2/NDF:7218827.6/61

All: 26.112+/-0.002 χ^2/NDF: 13681509.9/117



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/36

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

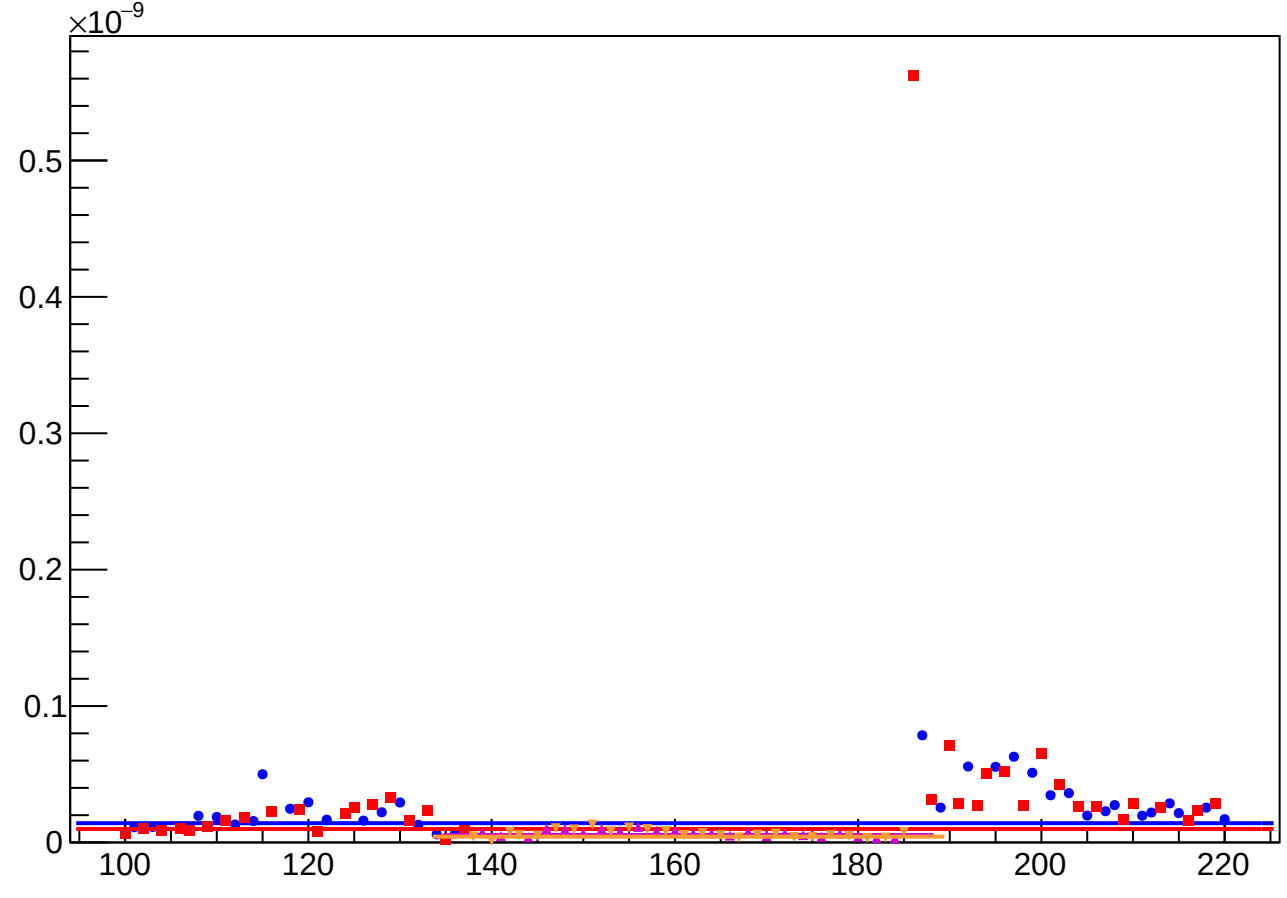
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.5/69

In: -0.000+/-0.000 χ^2/NDF:64.7/55

Out: -0.000+/-0.000 χ^2/NDF:57.6/61

All: -0.000+/-0.000 χ^2/NDF: 122.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 7762611.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12412252.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

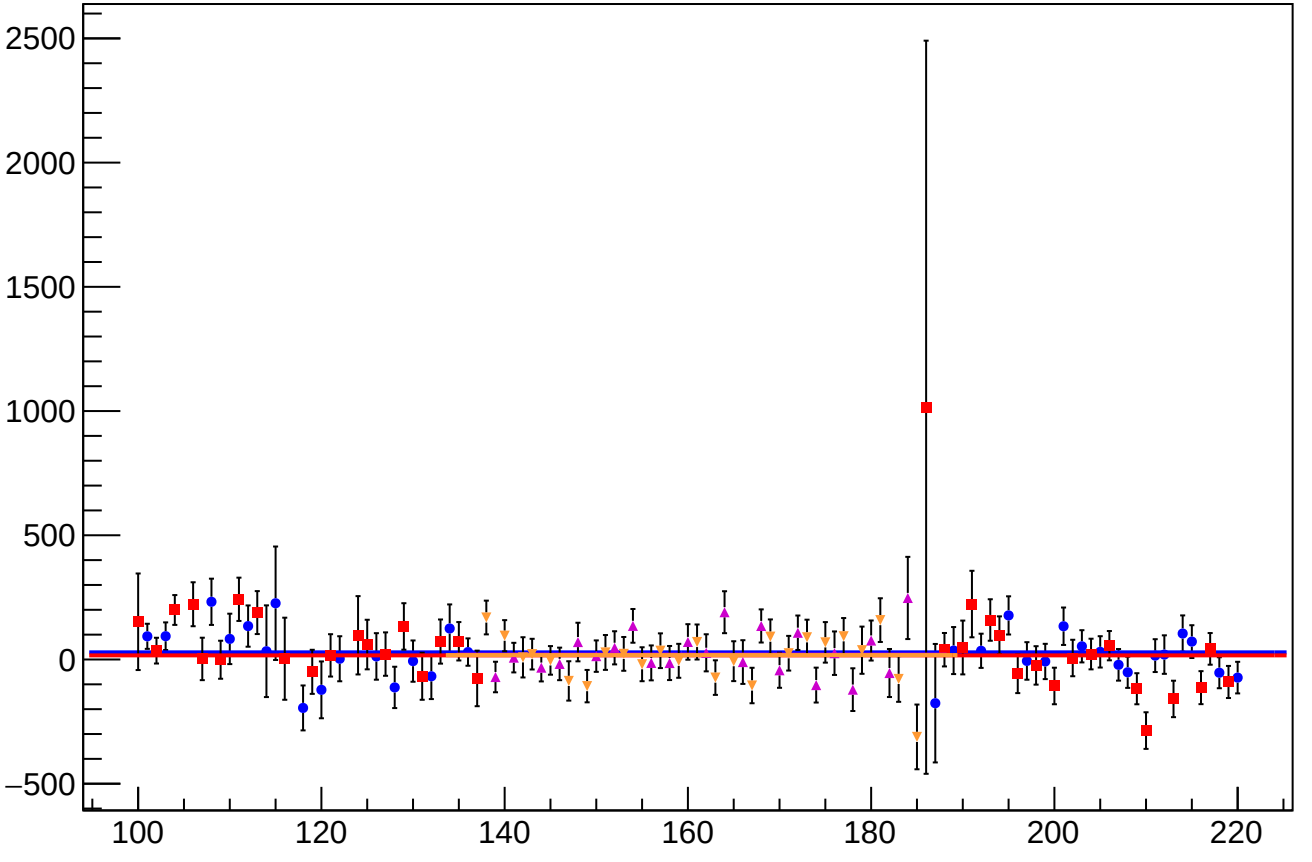
Right: 0.000+/-0.000 χ^2/NDF: 21126583.7/69

In: 0.000+/-0.000 χ^2/NDF:16553252.4/55

Out: 0.000+/-0.000 χ^2/NDF:21390309.6/61

All: 0.000+/-0.000 χ^2/NDF: 39080909.4/117

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 28.721+/-13.169 χ^2/NDF: 38.7/32

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 16.557+/-13.109 χ^2/NDF: 76.5/36

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

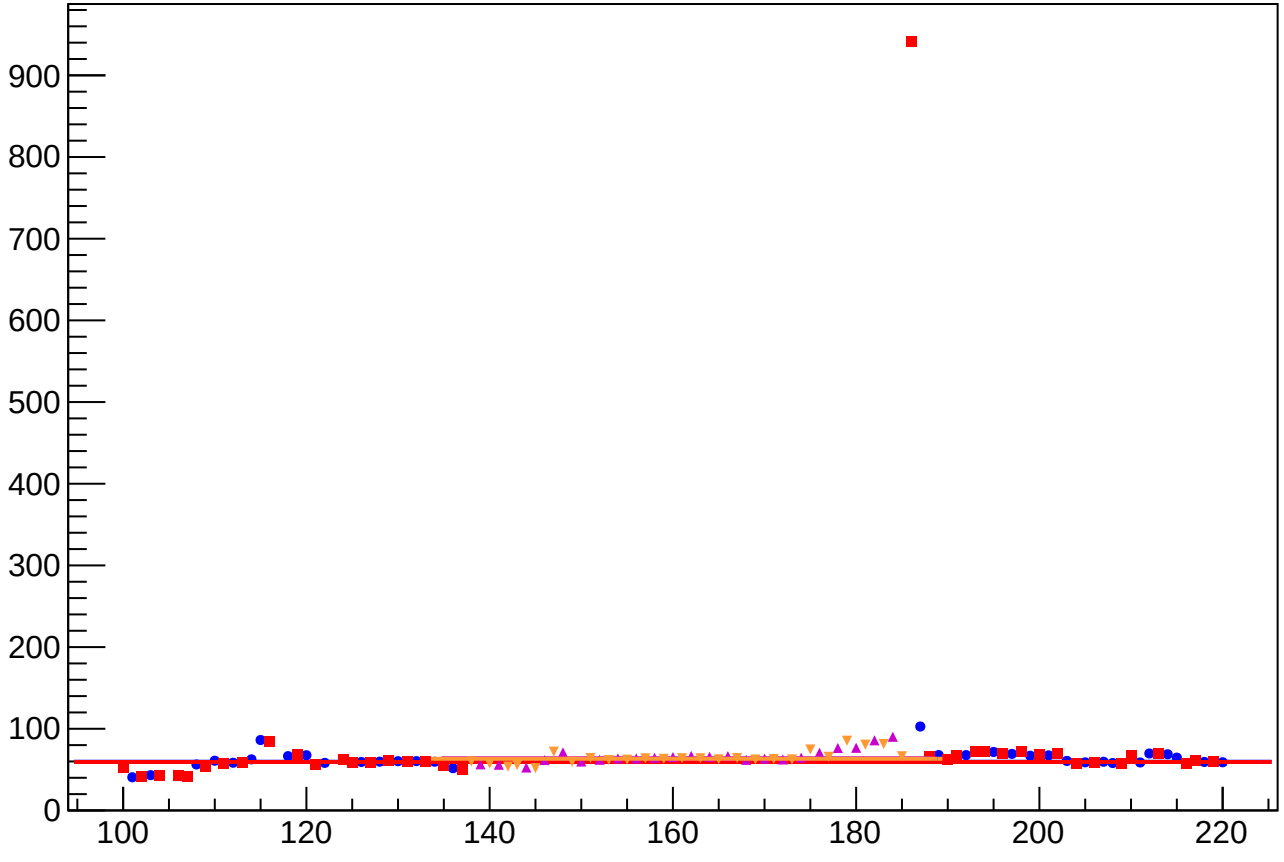
Right: 22.611+/-9.291 χ^2/NDF: 115.6/69

In: 24.781+/-9.908 χ^2/NDF:65.1/55

Out: 17.116+/-9.723 χ^2/NDF:108.1/61

All: 20.876+/-6.939 χ^2/NDF: 173.5/117

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.635+/-0.009 χ^2/NDF: 862700.1/32

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.312+/-0.009 χ^2/NDF: 1719337.9/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

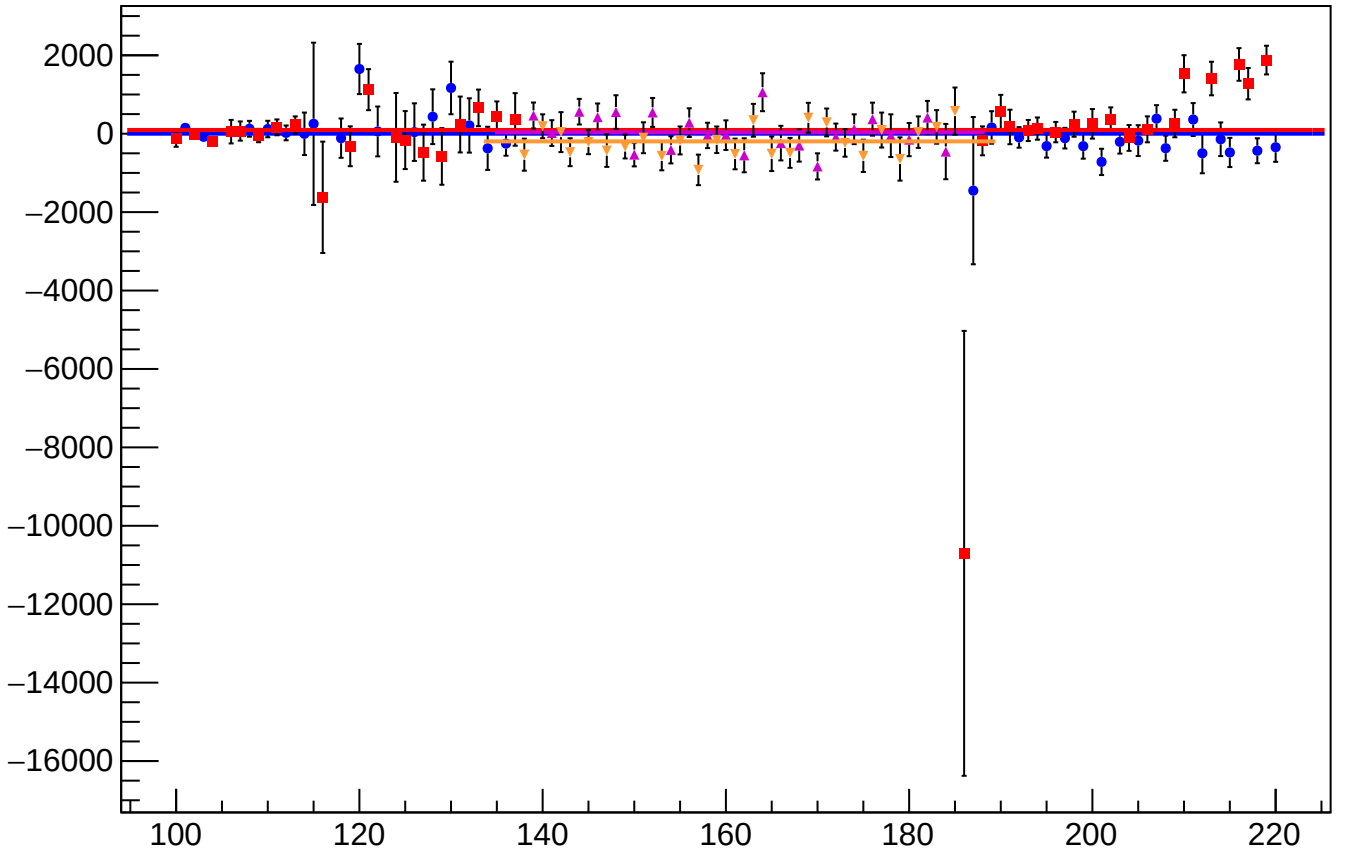
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.473+/-0.007 χ^2/NDF: 2582642.6/69

In: 61.494+/-0.007 χ^2/NDF:1399816.9/55

Out: 61.112+/-0.007 χ^2/NDF:2300564.6/61

All: 61.299+/-0.005 χ^2/NDF: 3701896.2/117



Right In: 0.257+/-40.717 χ^2/NDF: 35.0/32

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 95.748+/-43.111 χ^2/NDF: 98.3/36

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

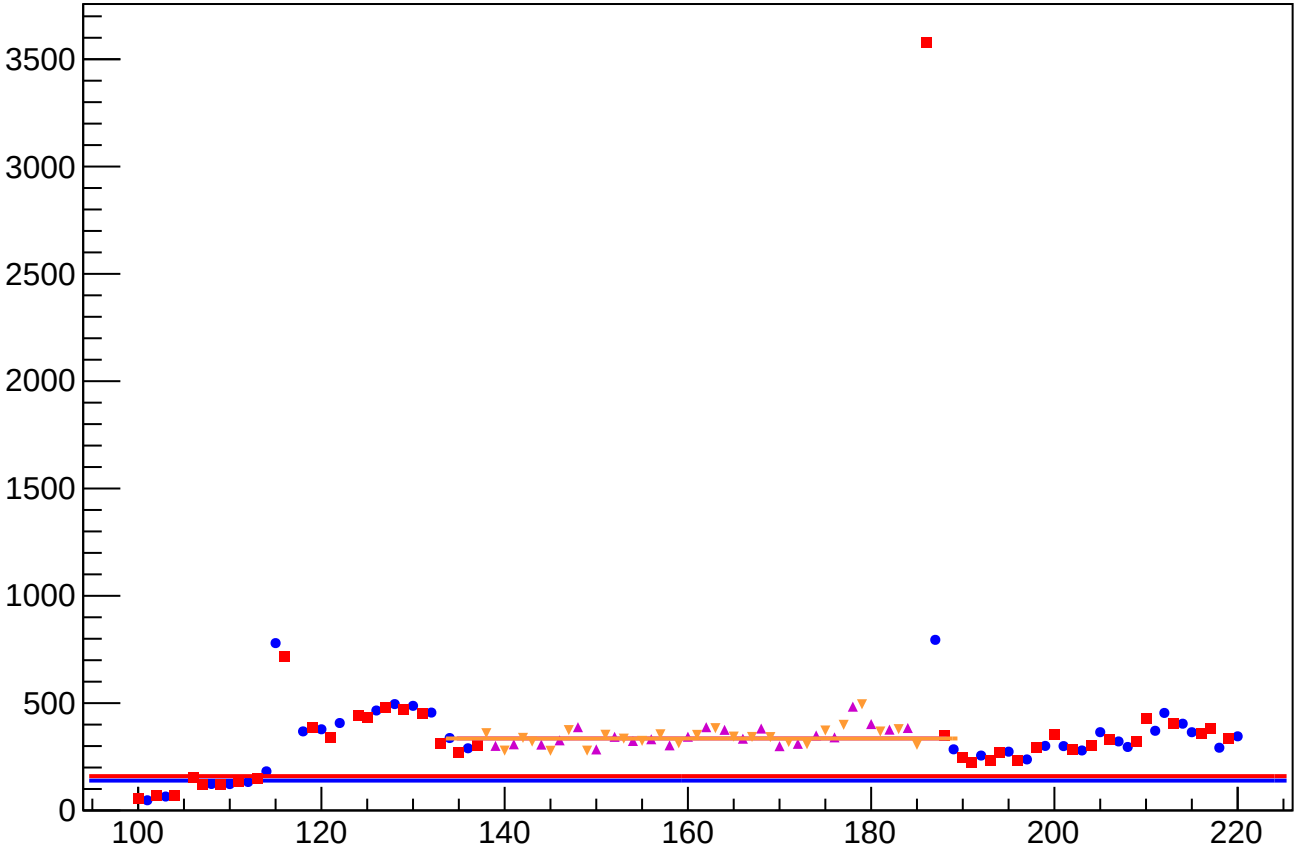
Right: 45.277+/-29.601 χ^2/NDF: 135.8/69

In: 7.815+/-36.213 χ^2/NDF:66.2/55

Out: 26.254+/-37.627 χ^2/NDF:129.8/61

All: 16.681+/-26.092 χ^2/NDF: 196.1/117

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 139.171+/-0.029 χ^2/NDF: 17643130.0/32

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 159.890+/-0.030 χ^2/NDF: 14813115.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

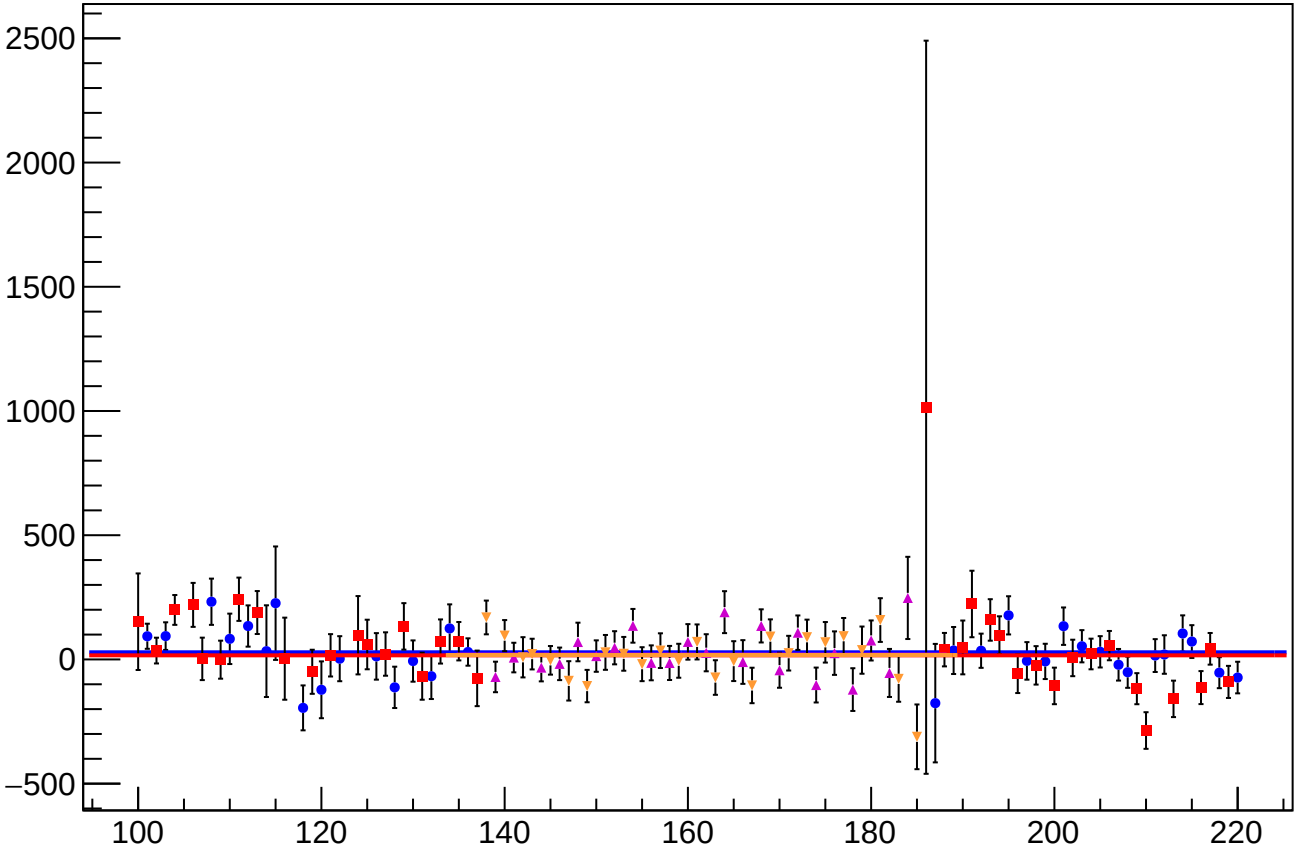
Right: 148.939+/-0.021 χ^2/NDF: 32700411.3/69

In: 180.210+/-0.026 χ^2/NDF:27859727.3/55

Out: 201.673+/-0.027 χ^2/NDF:23262539.7/61

All: 190.531+/-0.018 χ^2/NDF: 51460107.7/11

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 28.726+/-13.169 χ^2/NDF: 38.7/32

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 16.495+/-13.109 χ^2/NDF: 76.3/36

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

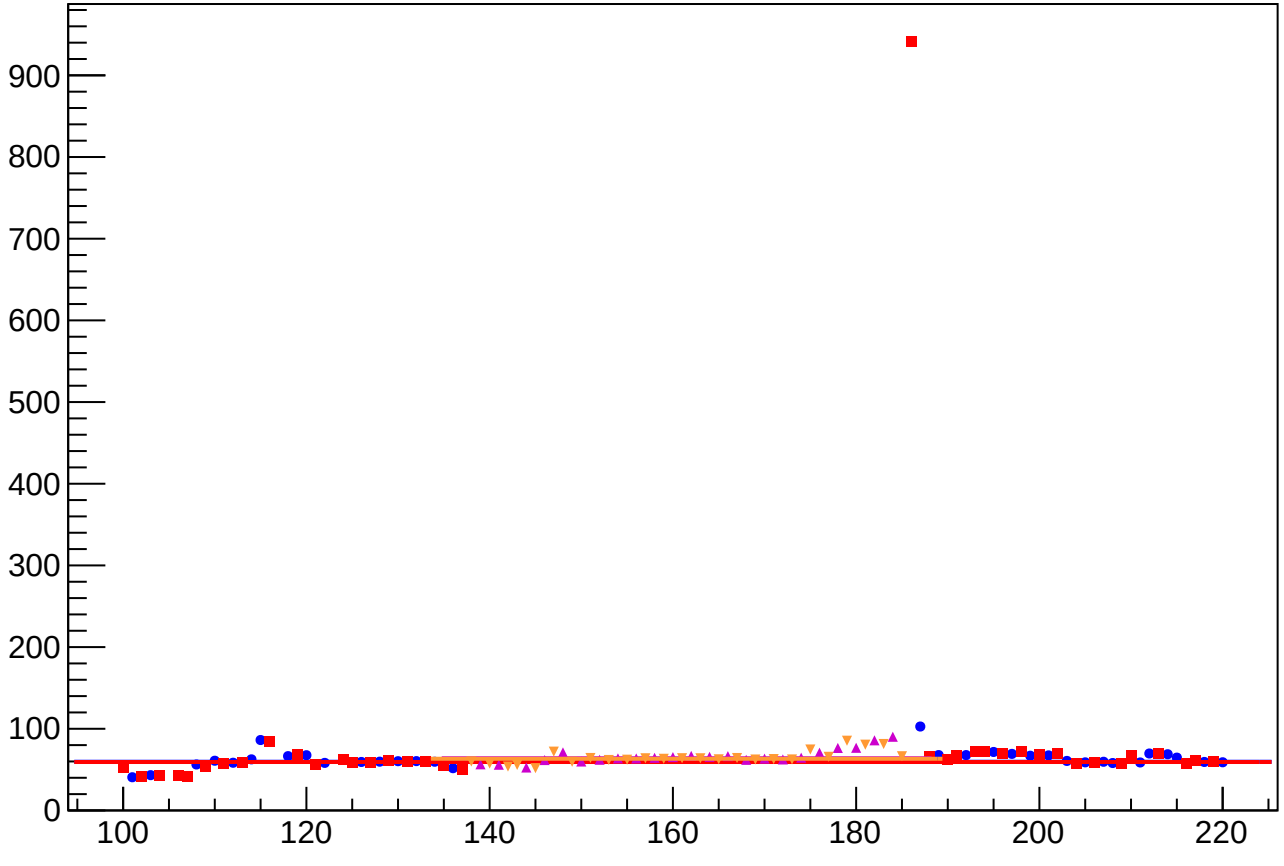
Right: 22.583+/-9.291 χ^2/NDF: 115.5/69

In: 24.784+/-9.908 χ^2/NDF:65.2/55

Out: 17.084+/-9.723 χ^2/NDF:107.9/61

All: 20.861+/-6.940 χ^2/NDF: 173.4/117

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.635+/-0.009 χ^2/NDF: 862699.0/32

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

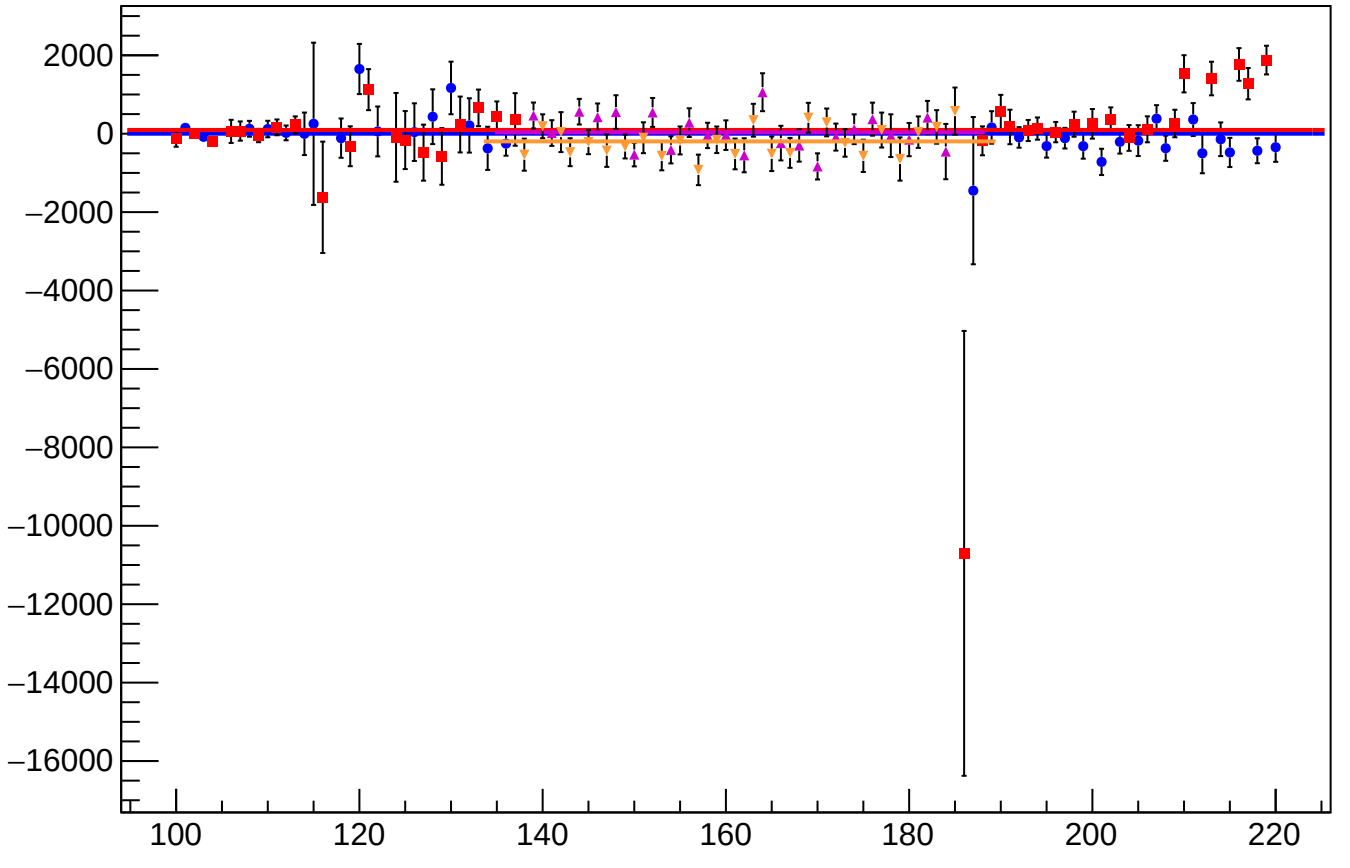
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.473+/-0.007 χ^2/NDF: 2583068.6/69

In: 61.494+/-0.007 χ^2/NDF:1399815.7/55

Out: 61.112+/-0.007 χ^2/NDF:2301011.9/61

All: 61.299+/-0.005 χ^2/NDF: 3702344.4/117



Right In: 0.262+/-40.716 χ^2/NDF: 35.0/32

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 95.920+/-43.084 χ^2/NDF: 98.2/36

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

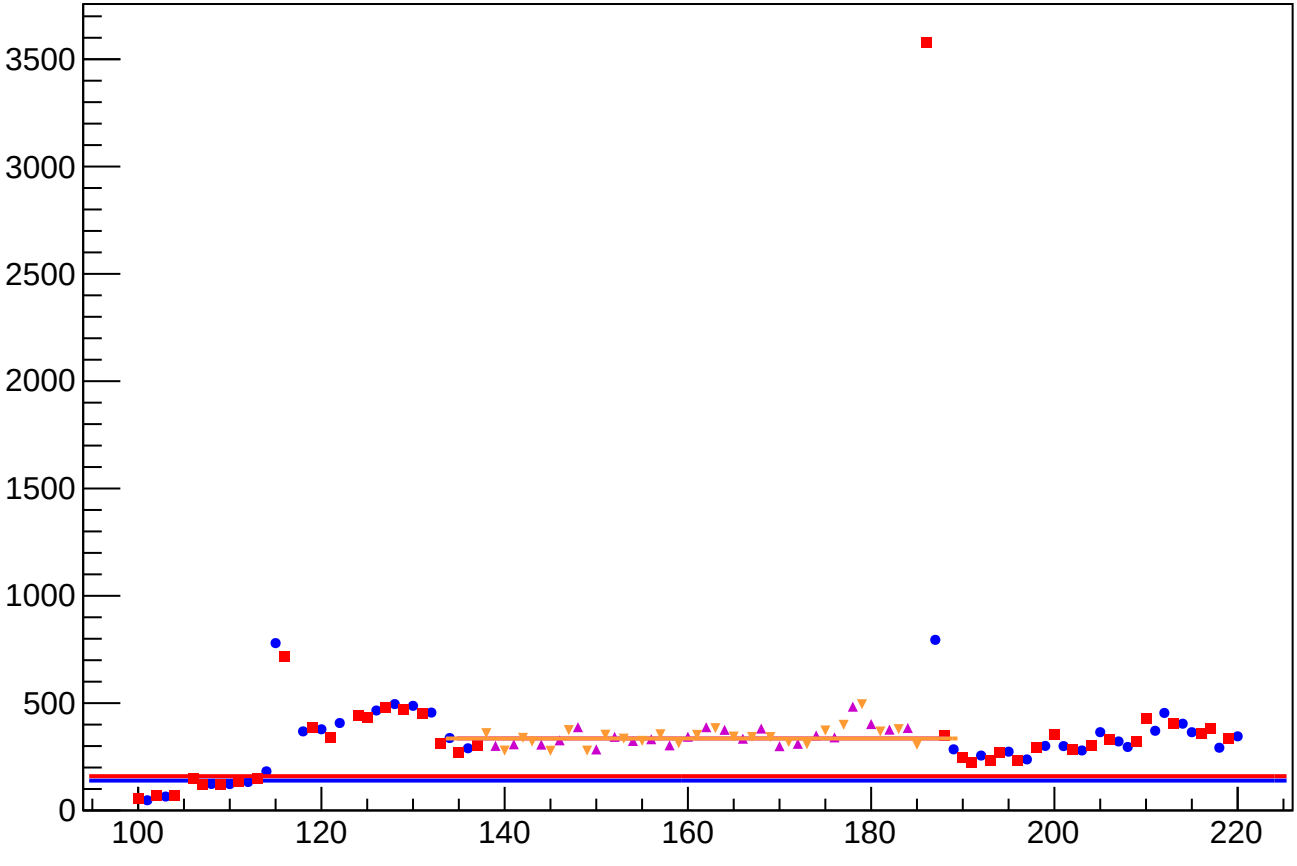
Right: 45.390+/-29.592 χ^2/NDF: 135.8/69

In: 7.818+/-36.212 χ^2/NDF:66.2/55

Out: 26.452+/-37.609 χ^2/NDF:129.8/61

All: 16.782+/-26.086 χ^2/NDF: 196.1/117

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 139.167+/-0.029 χ^2/NDF: 17643558.3/32

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

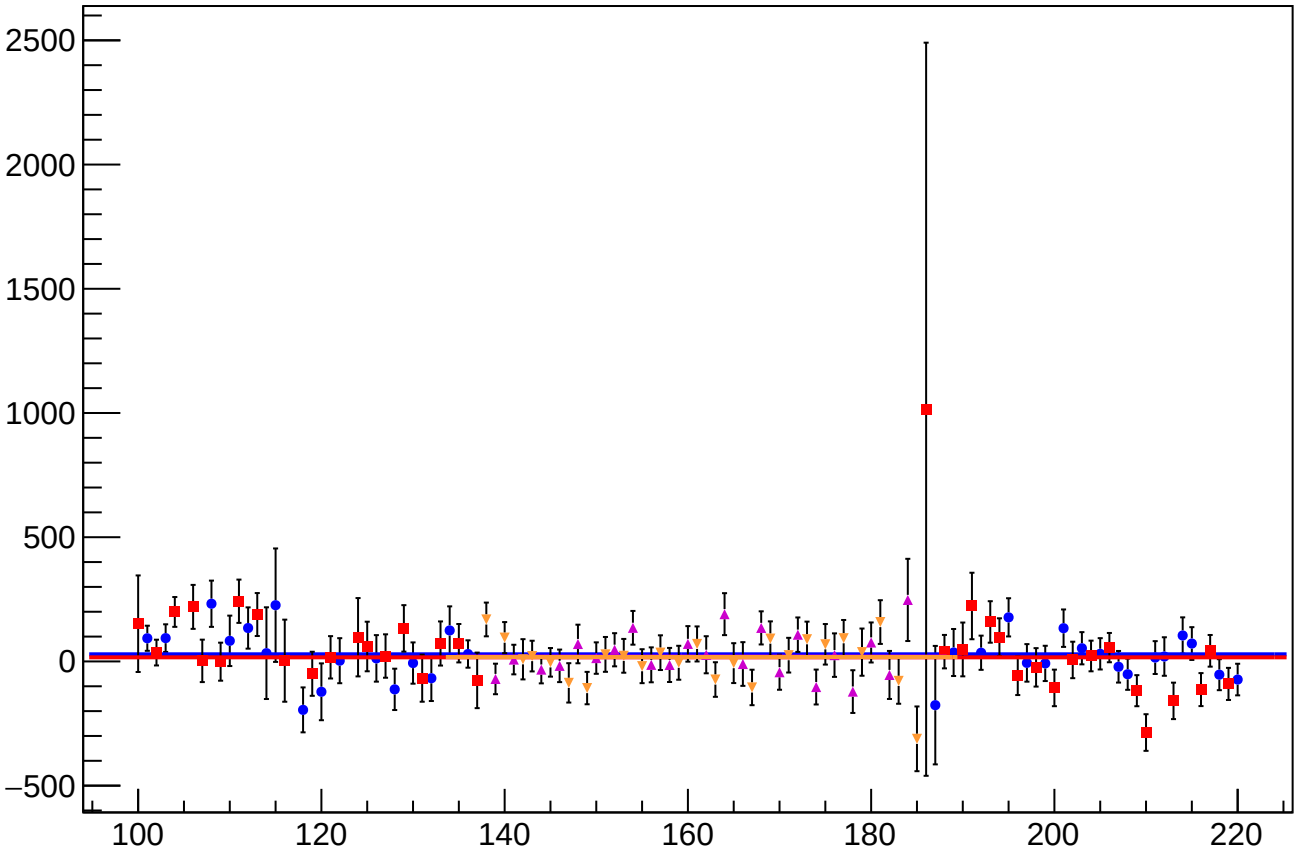
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 148.851+/-0.021 χ^2/NDF: 32706635.2/69

In: 180.206+/-0.026 χ^2/NDF:27860581.5/55

Out: 201.484+/-0.027 χ^2/NDF:23292643.5/61

All: 190.443+/-0.018 χ^2/NDF: 51485437.9/11



Right In: 28.726+/-13.169 χ^2/NDF: 38.7/32

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 16.495+/-13.109 χ^2/NDF: 76.3/36

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

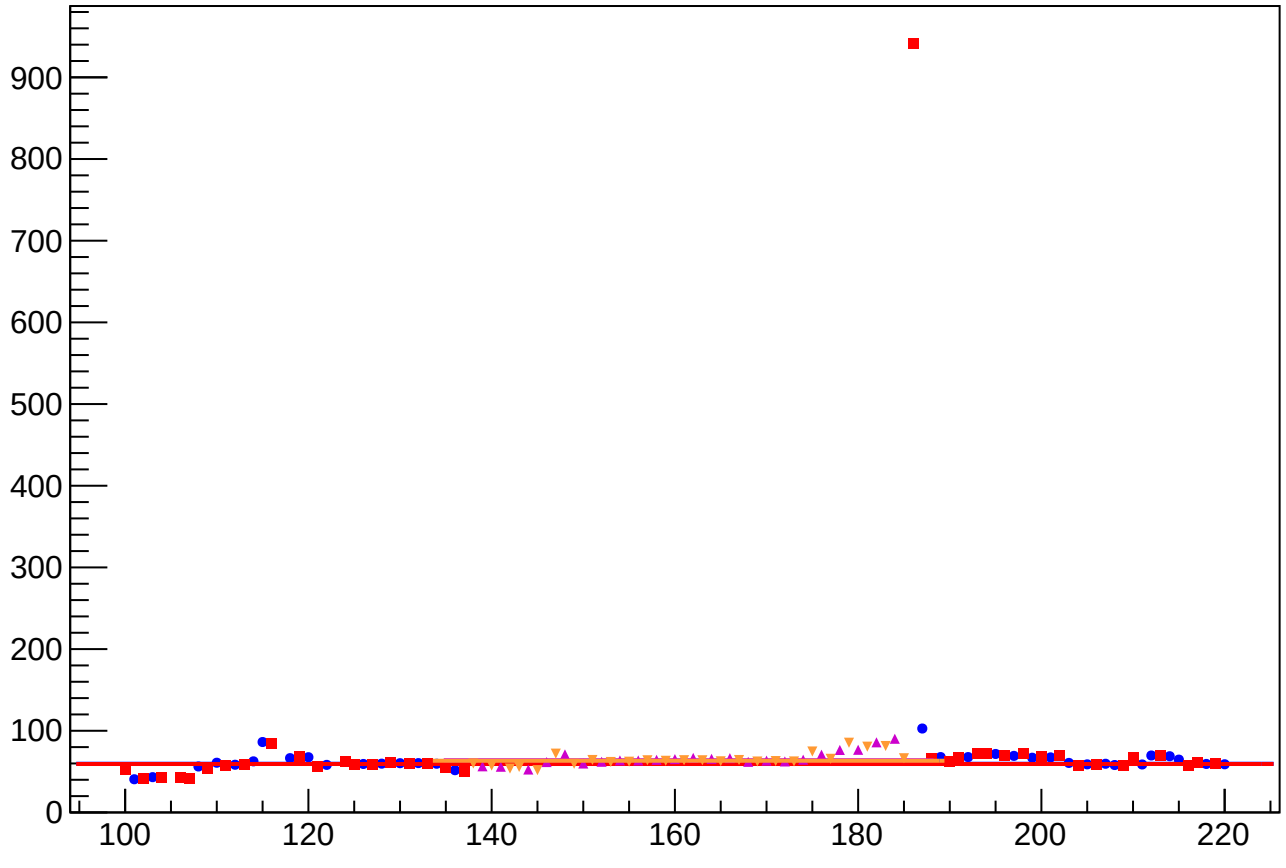
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 22.583+/-9.291 χ^2/NDF: 115.5/69

In: 24.784+/-9.908 χ^2/NDF:65.2/55

Out: 17.084+/-9.723 χ^2/NDF:107.9/61

All: 20.861+/-6.940 χ^2/NDF: 173.4/117



Right In: 59.635+/-0.009 χ^2/NDF: 862699.0/32

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

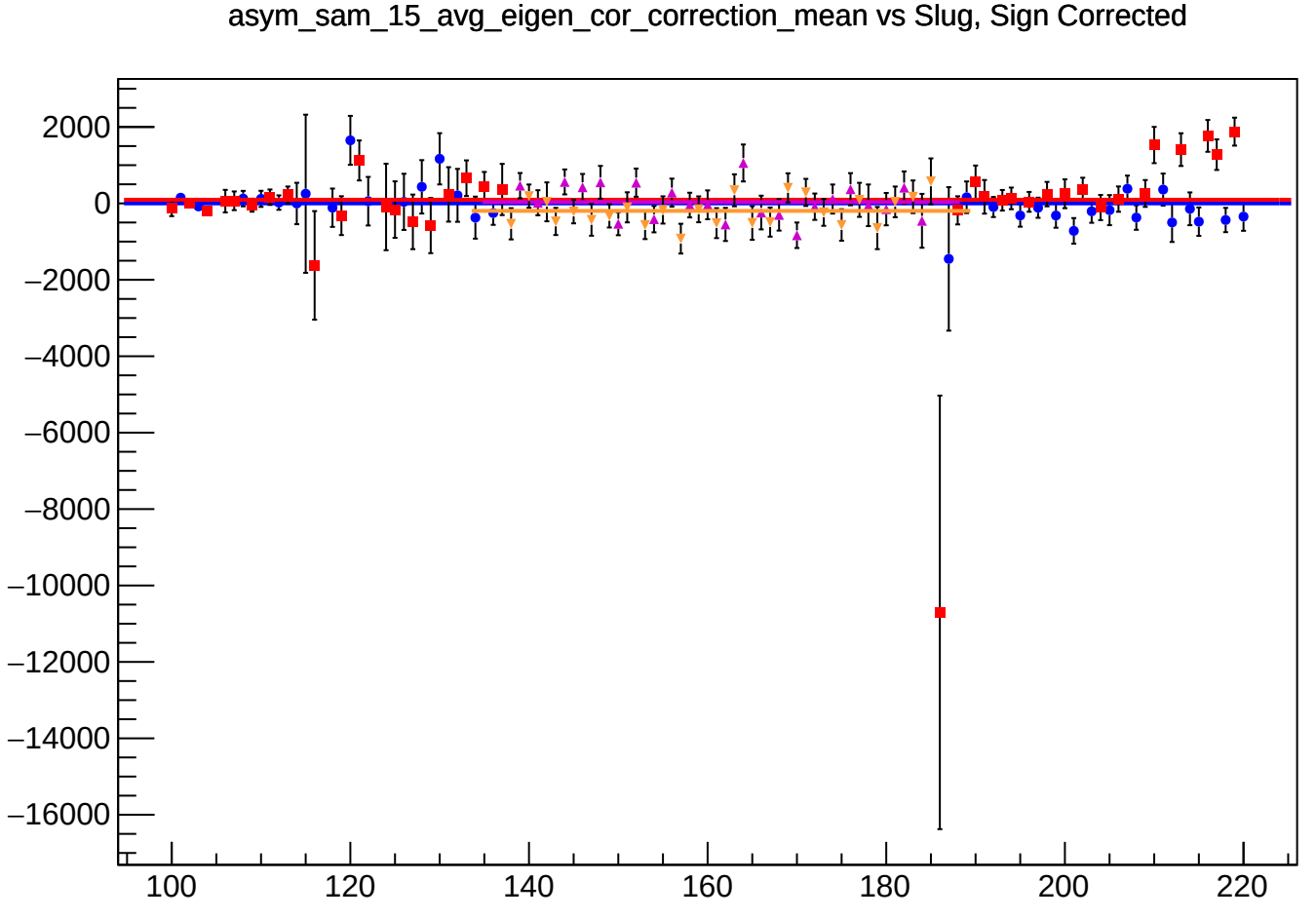
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.473+/-0.007 χ^2/NDF: 2583068.6/69

In: 61.494+/-0.007 χ^2/NDF:1399815.7/55

Out: 61.112+/-0.007 χ^2/NDF:2301011.9/61

All: 61.299+/-0.005 χ^2/NDF: 3702344.4/117



Right In: 0.262+/-40.716 χ^2/NDF: 35.0/32

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 95.920+/-43.084 χ^2/NDF: 98.2/36

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

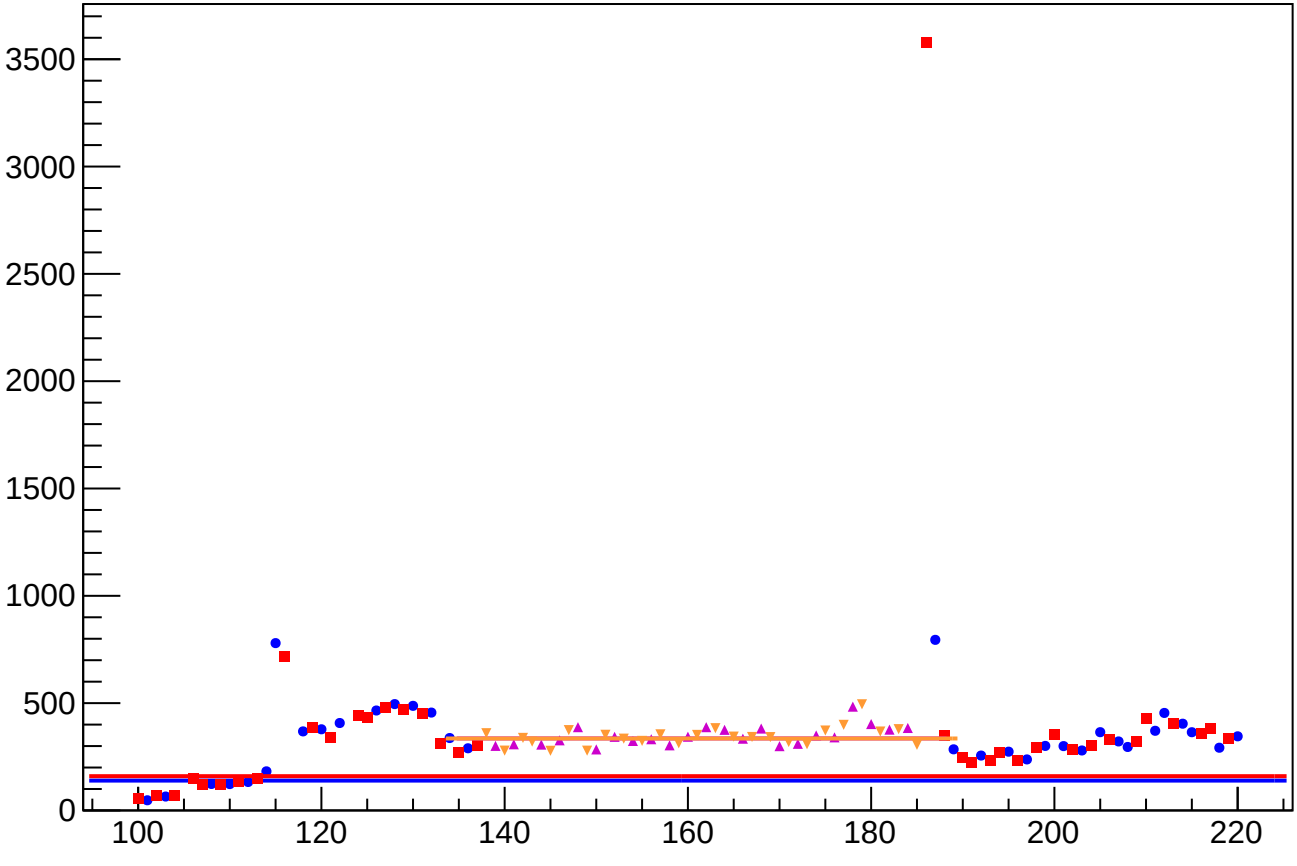
Right: 45.390+/-29.592 χ^2/NDF: 135.8/69

In: 7.818+/-36.212 χ^2/NDF:66.2/55

Out: 26.452+/-37.609 χ^2/NDF:129.8/61

All: 16.782+/-26.086 χ^2/NDF: 196.1/117

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 139.167+/-0.029 χ^2/NDF: 17643558.3/32

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

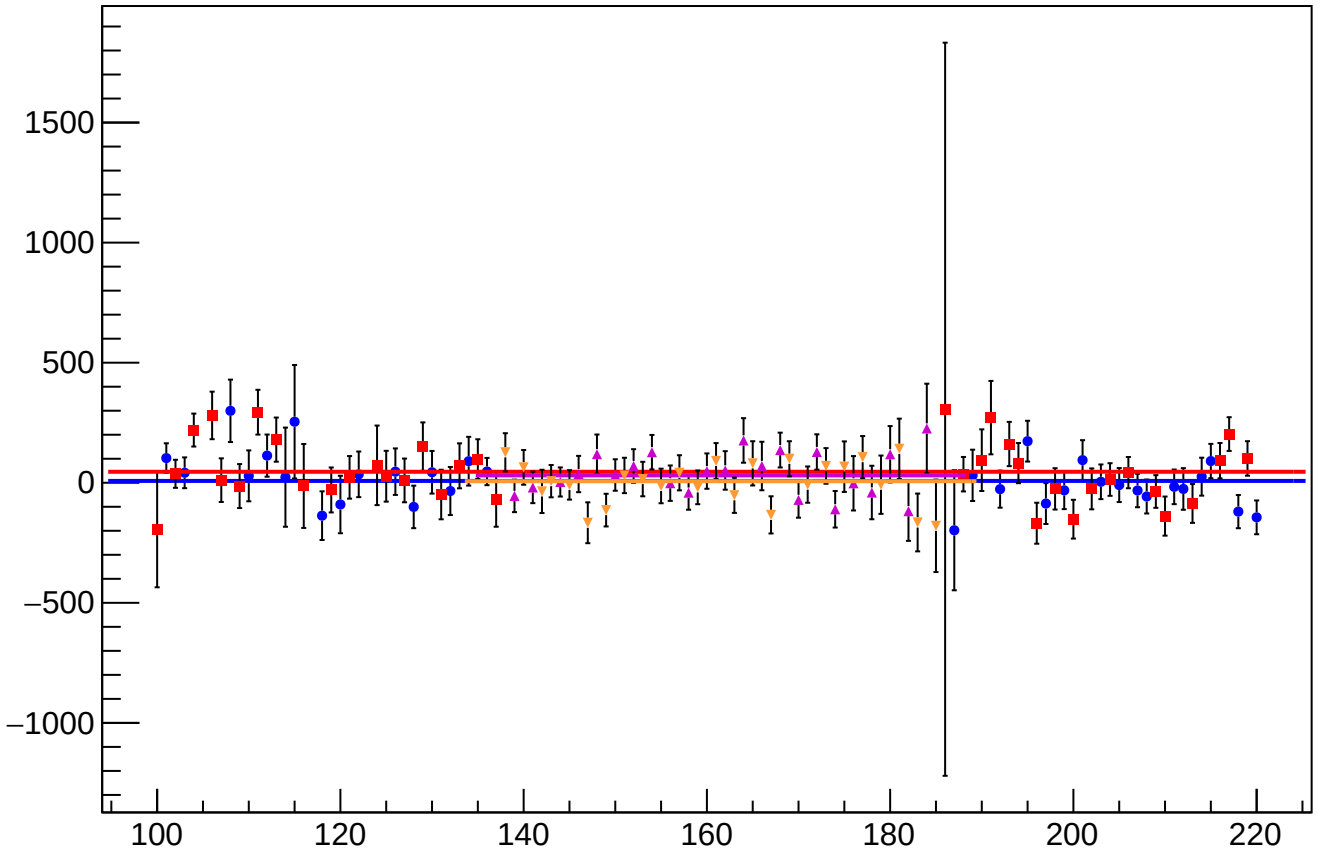
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 148.851+/-0.021 χ^2/NDF: 32706635.2/69

In: 180.206+/-0.026 χ^2/NDF:27860581.5/55

Out: 201.484+/-0.027 χ^2/NDF:23292643.5/61

All: 190.443+/-0.018 χ^2/NDF: 51485437.9/11



Right In: 7.681+/-14.557 χ^2/NDF: 34.4/32

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 45.785+/-14.398 χ^2/NDF: 60.5/36

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

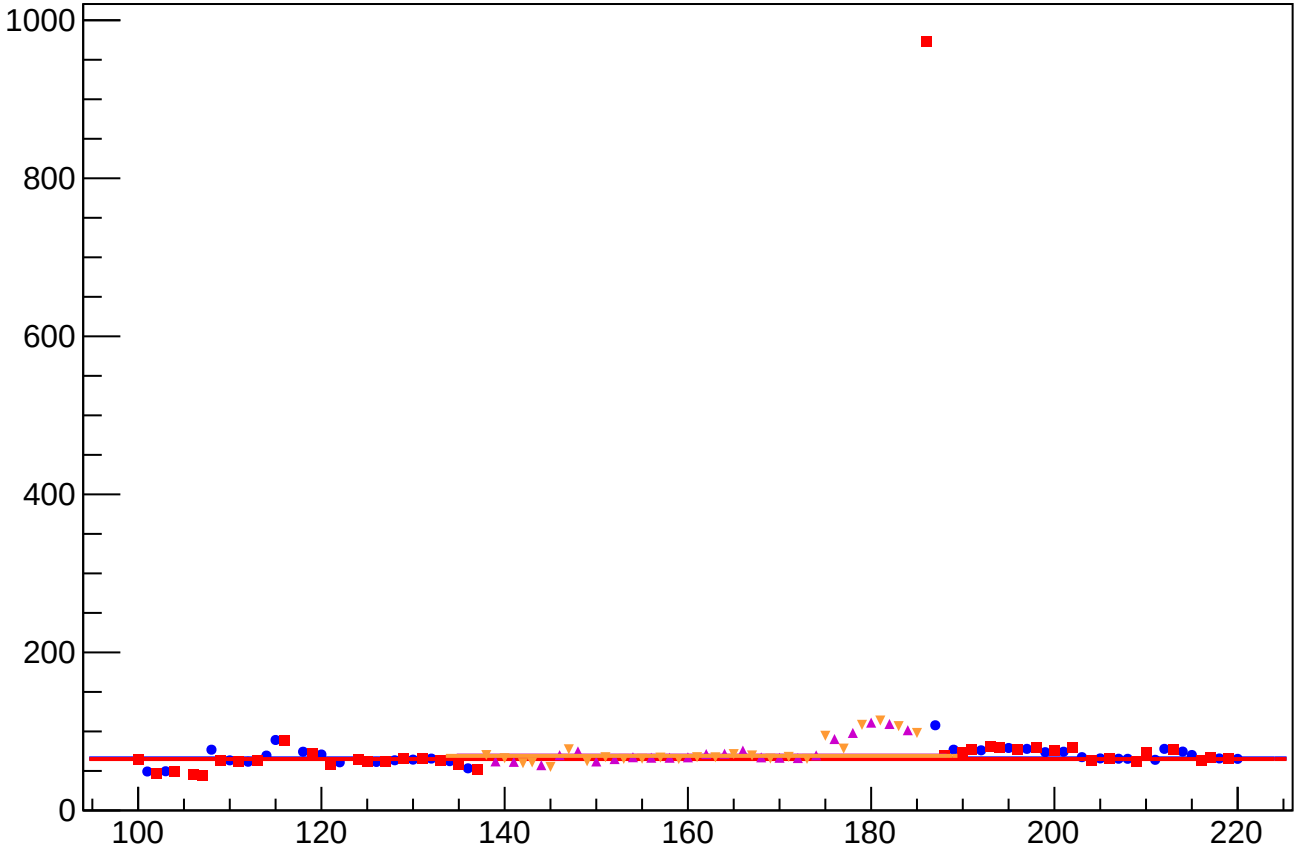
Right: 26.943+/-10.237 χ^2/NDF: 98.4/69

In: 17.738+/-10.917 χ^2/NDF:58.0/55

Out: 28.166+/-10.696 χ^2/NDF:88.9/61

All: 23.058+/-7.640 χ^2/NDF: 147.4/117

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.934+/-0.010 χ^2/NDF: 757841.1/32

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 65.045+/-0.010 χ^2/NDF: 1712576.2/36

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

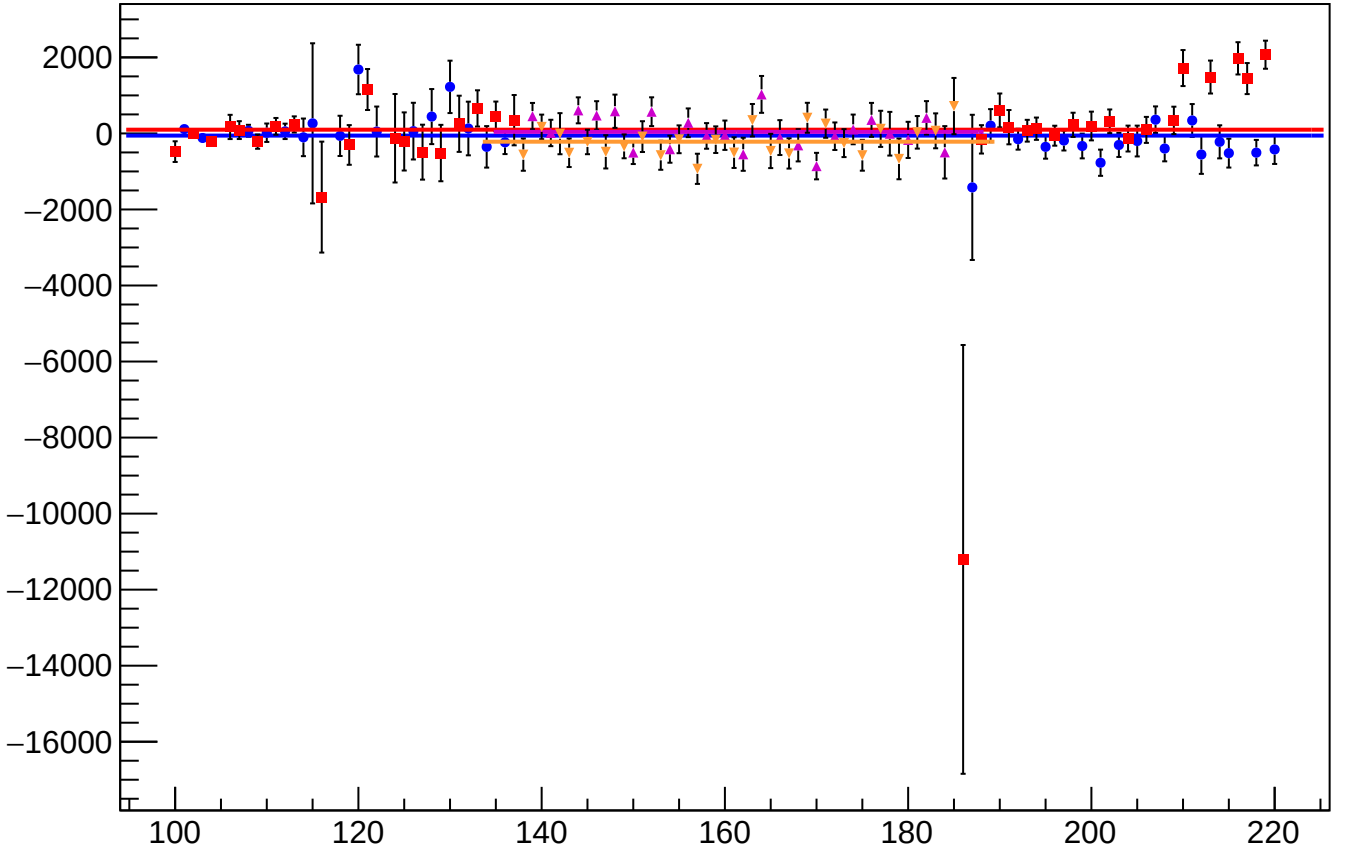
Right: 65.484+/-0.007 χ^2/NDF: 2474184.3/69

In: 67.466+/-0.008 χ^2/NDF:1733117.9/55

Out: 66.853+/-0.008 χ^2/NDF:2856917.5/61

All: 67.153+/-0.005 χ^2/NDF: 4593260.8/117

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -56.984+/-45.633 χ^2/NDF: 33.2/32

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 98.234+/-45.203 χ^2/NDF: 117.3/36

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

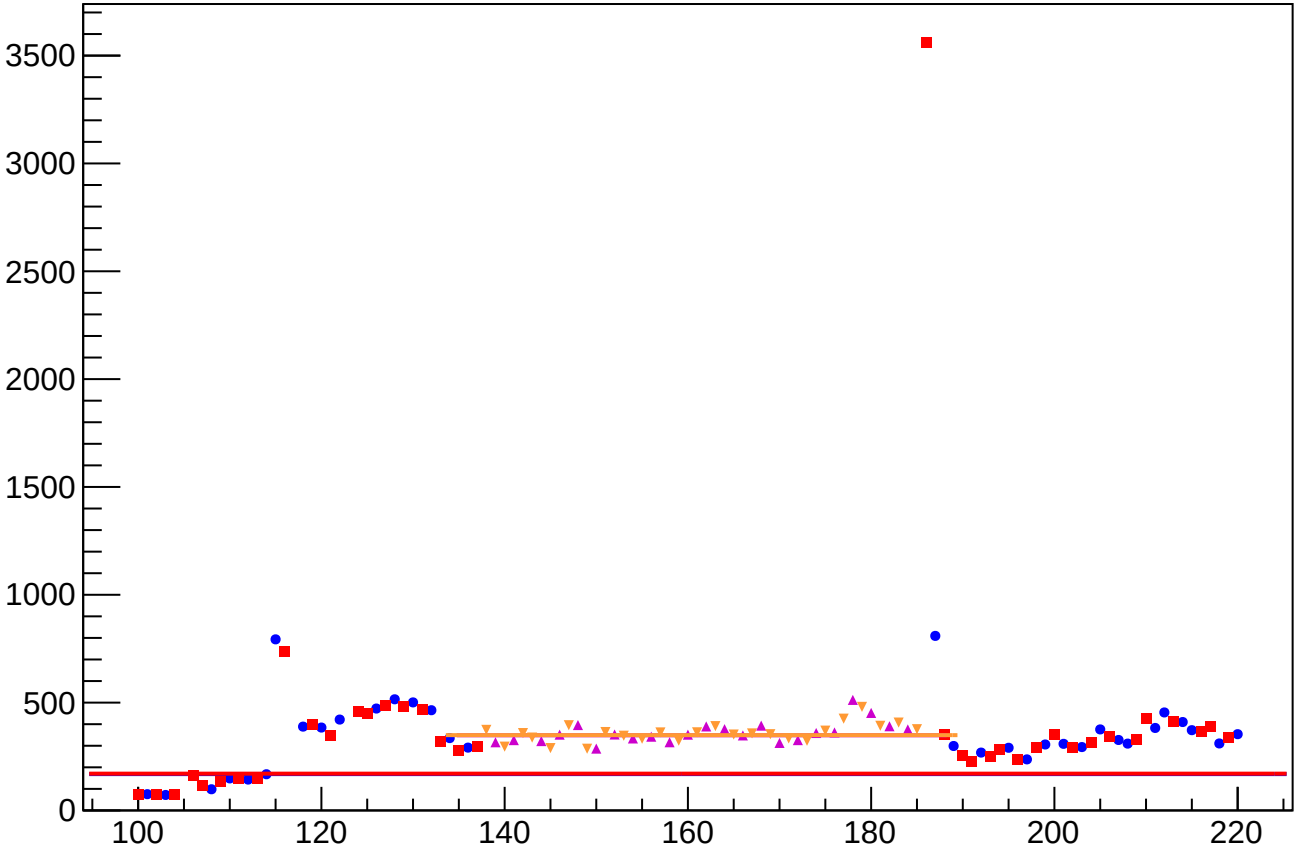
Right: 21.360+/-32.114 χ^2/NDF: 156.3/69

In: -33.804+/-39.904 χ^2/NDF:64.3/55

Out: 22.055+/-39.371 χ^2/NDF:148.4/61

All: -5.499+/-28.026 χ^2/NDF: 213.6/117

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 168.551+/-0.032 χ^2/NDF: 14320288.1/32

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 170.638+/-0.032 χ^2/NDF: 13987283.1/36

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

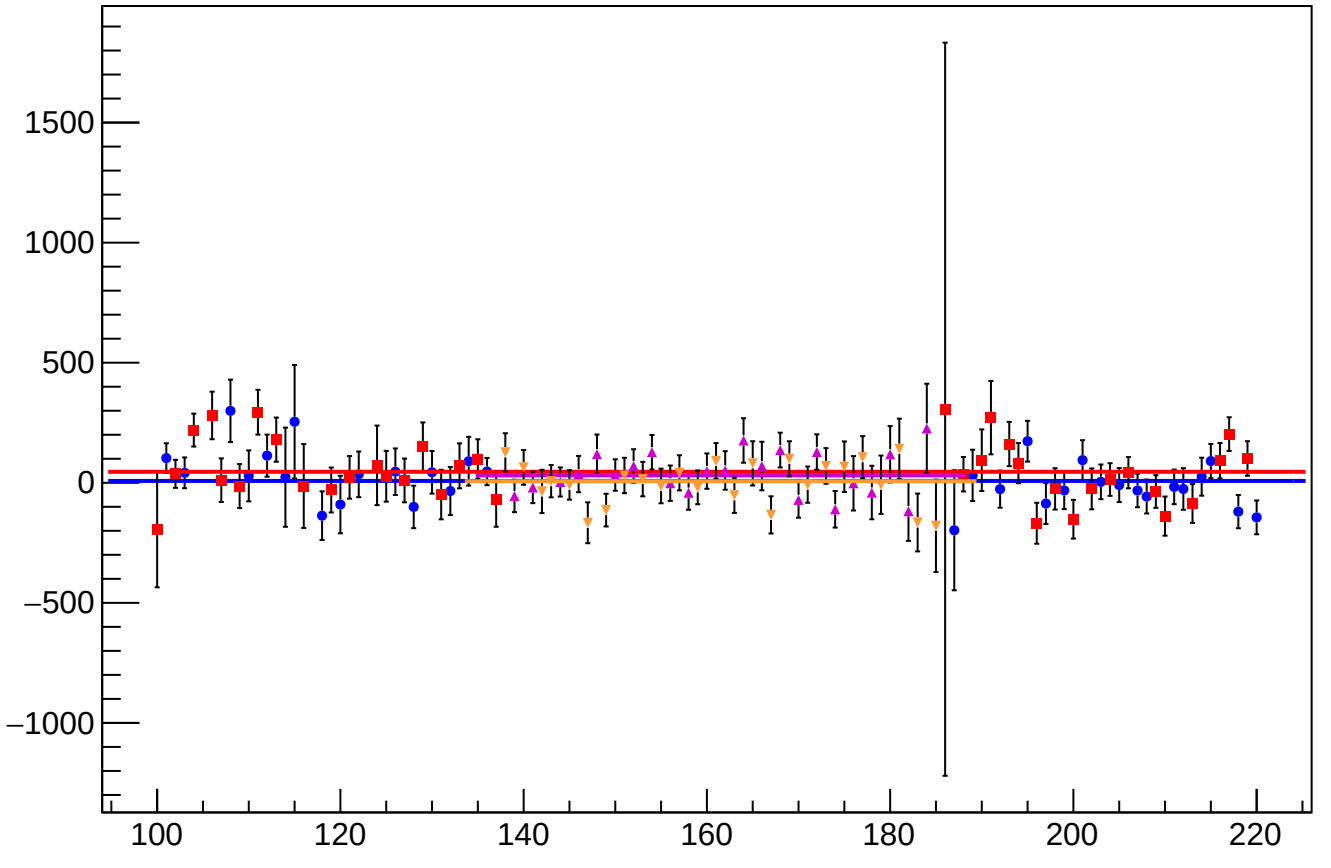
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 169.604+/-0.023 χ^2/NDF: 28309681.9/69

In: 210.914+/-0.028 χ^2/NDF:22170035.8/55

Out: 213.735+/-0.028 χ^2/NDF:22042978.6/61

All: 212.344+/-0.020 χ^2/NDF: 44218080.3/11



Right In: 7.682+/-14.557 χ^2/NDF: 34.4/32

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 45.784+/-14.398 χ^2/NDF: 60.5/36

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

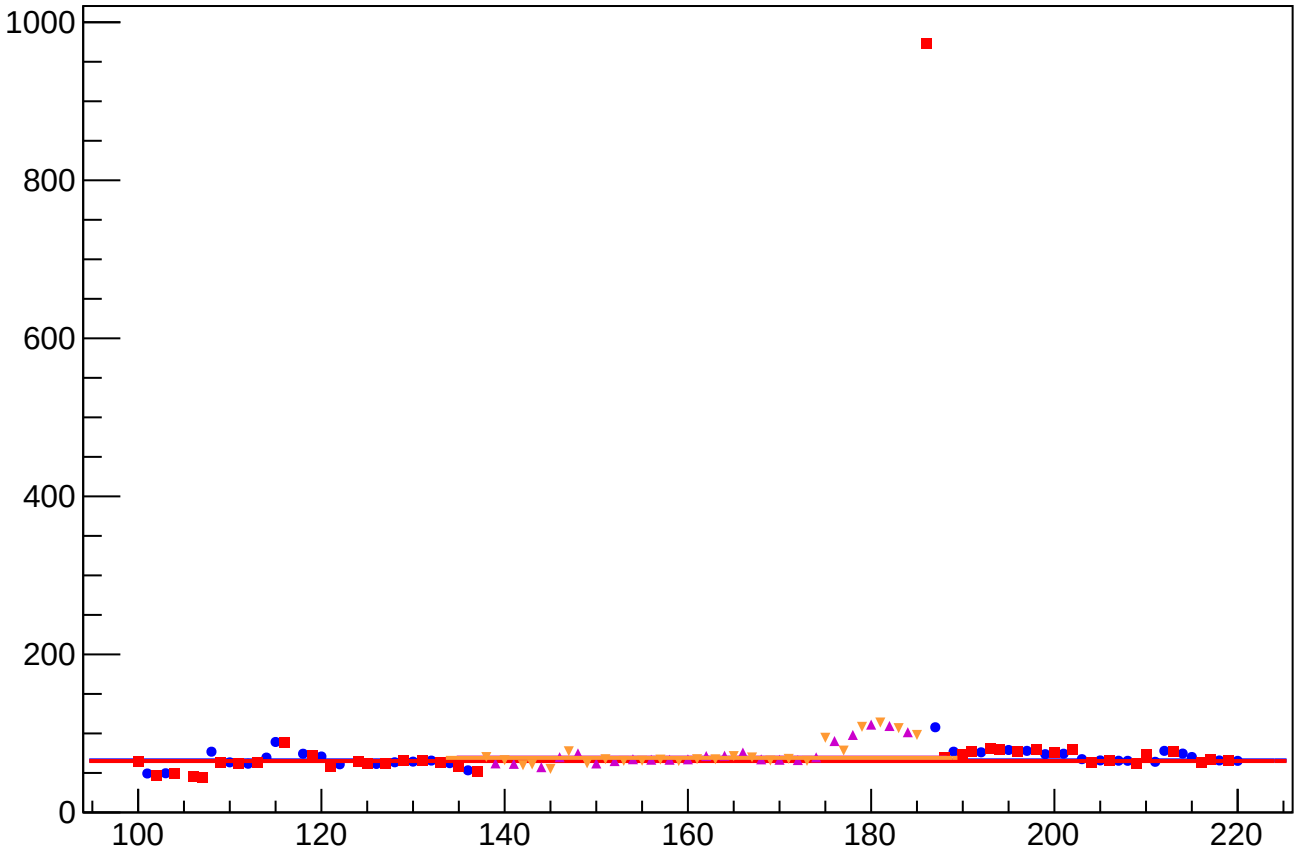
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 26.942+/-10.237 χ^2/NDF: 98.4/69

In: 17.738+/-10.917 χ^2/NDF:58.0/55

Out: 28.165+/-10.696 χ^2/NDF:88.9/61

All: 23.058+/-7.640 χ^2/NDF: 147.4/117



Right In: 65.934+/-0.010 χ^2/NDF: 757839.2/32

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 65.045+/-0.010 χ^2/NDF: 1712574.7/36

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

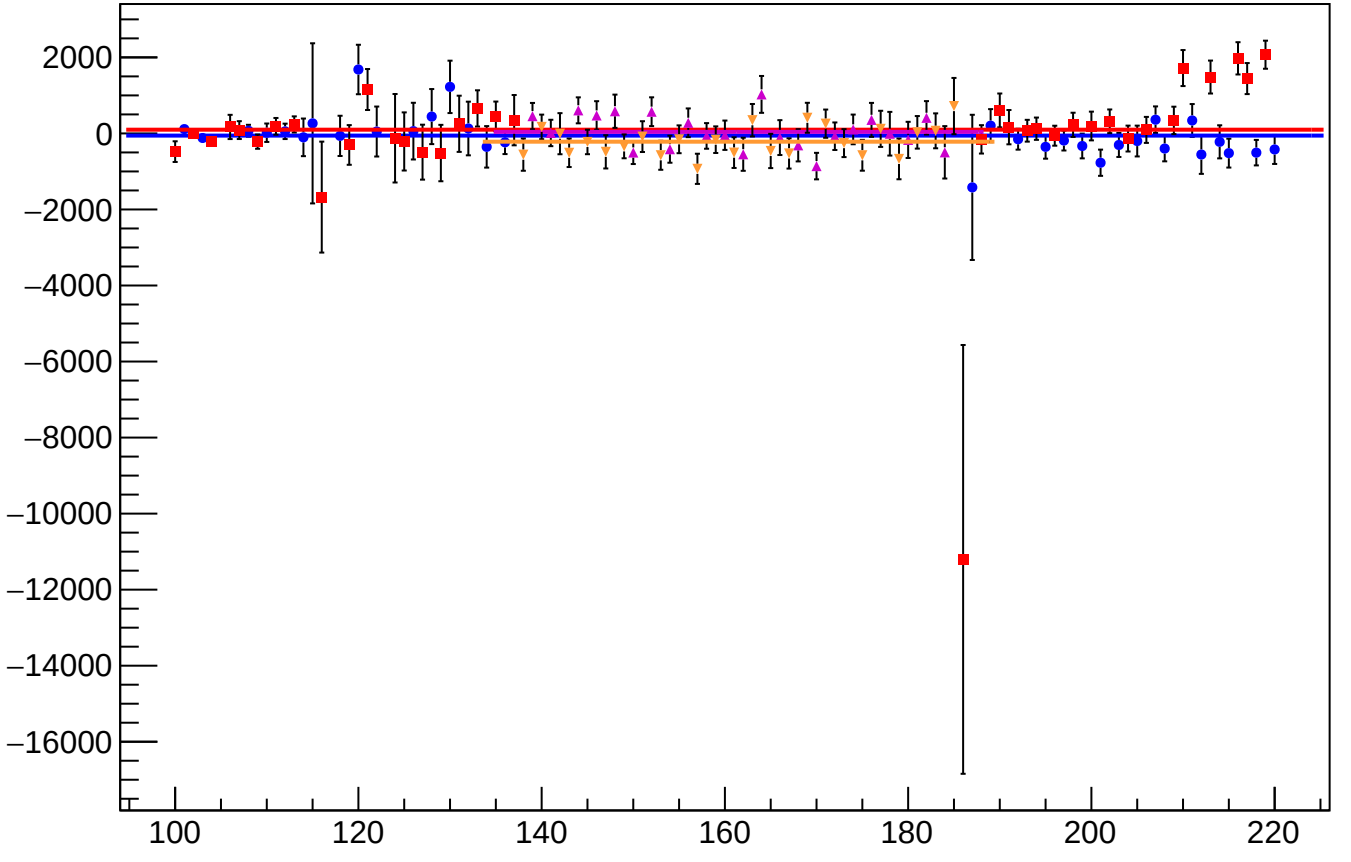
Right: 65.484+/-0.007 χ^2/NDF: 2474180.9/69

In: 67.466+/-0.008 χ^2/NDF:1733107.1/55

Out: 66.853+/-0.008 χ^2/NDF:2856904.5/61

All: 67.153+/-0.005 χ^2/NDF: 4593237.3/117

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -56.984+/-45.633 χ^2/NDF: 33.2/32

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 98.233+/-45.203 χ^2/NDF: 117.3/36

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

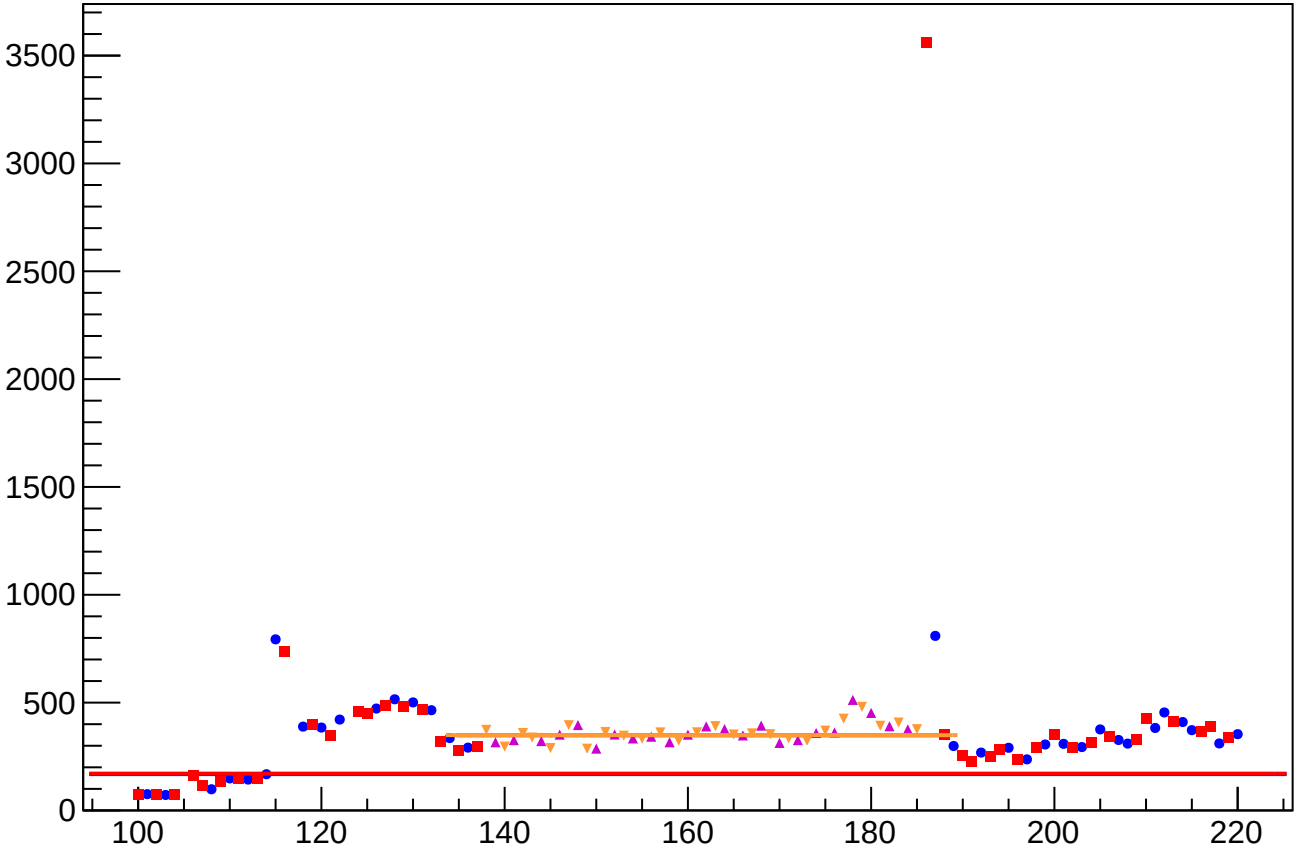
Right: 21.360+/-32.114 χ^2/NDF: 156.3/69

In: -33.804+/-39.904 χ^2/NDF:64.3/55

Out: 22.055+/-39.371 χ^2/NDF:148.4/61

All: -5.499+/-28.026 χ^2/NDF: 213.6/117

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 168.551+/-0.032 χ^2/NDF: 14320301.5/32

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 170.637+/-0.032 χ^2/NDF: 13987325.6/36

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

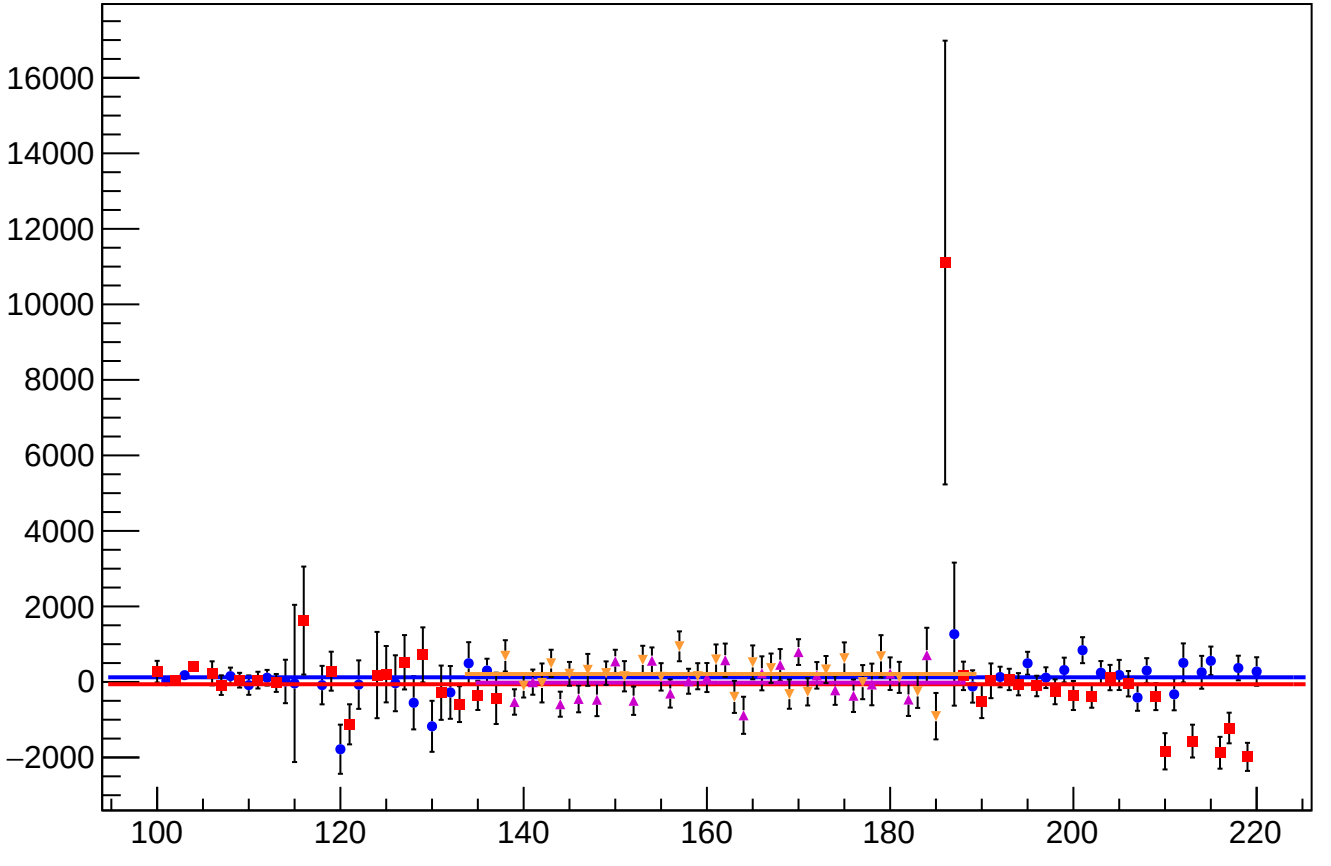
Right: 169.604+/-0.023 χ^2/NDF: 28309737.5/69

In: 210.914+/-0.028 χ^2/NDF:22170105.0/55

Out: 213.735+/-0.028 χ^2/NDF:22043085.9/61

All: 212.343+/-0.020 χ^2/NDF: 44218256.4/11

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 123.158+/-48.858 χ^2/NDF: 30.2/32

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -60.918+/-48.068 χ^2/NDF: 118.3/36

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

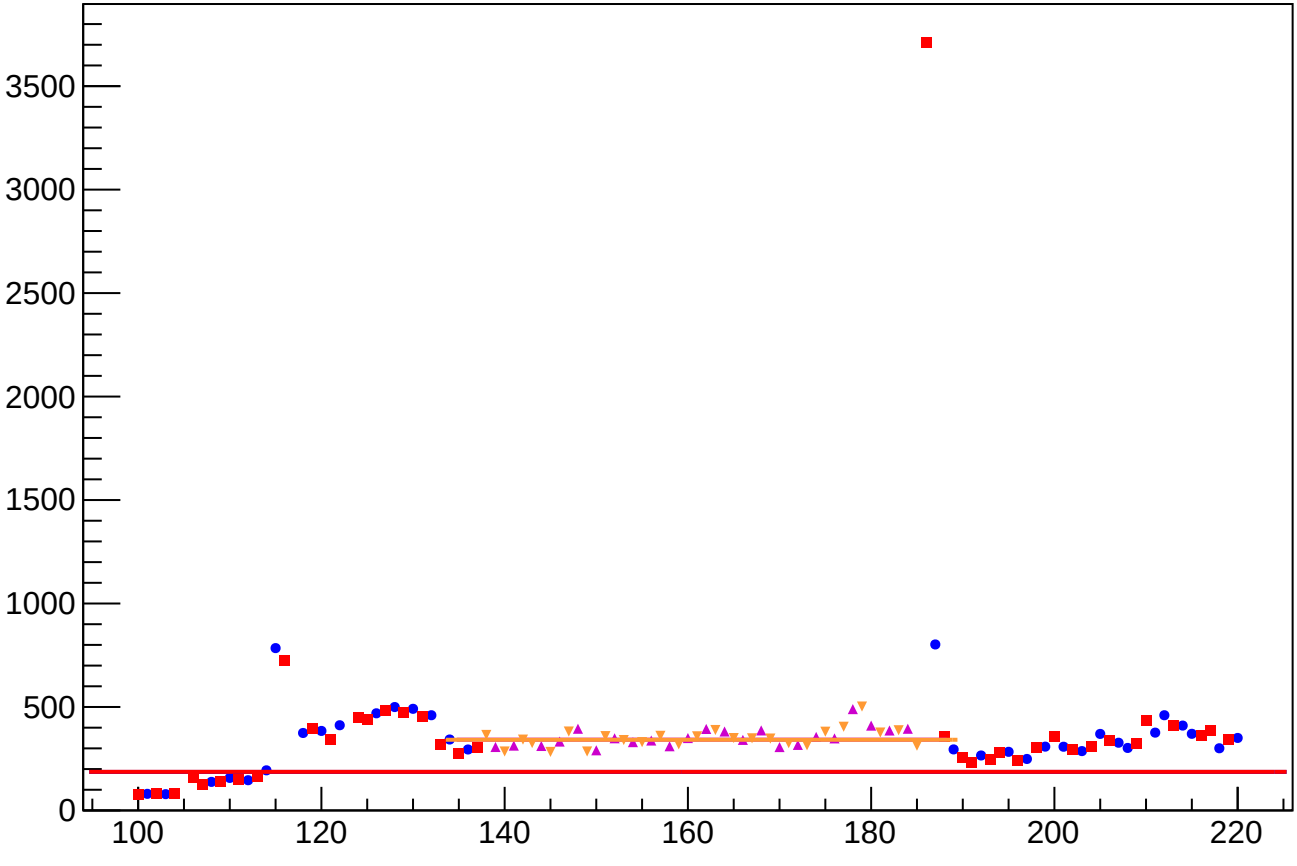
Right: 29.621+/-34.265 χ^2/NDF: 155.7/69

In: 85.098+/-41.795 χ^2/NDF:64.5/55

Out: 12.898+/-40.995 χ^2/NDF:148.4/61

All: 48.301+/-29.267 χ^2/NDF: 214.4/117

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 186.074+/-0.035 χ^2/NDF: 12427345.5/32

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 186.674+/-0.034 χ^2/NDF: 12239118.8/36

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

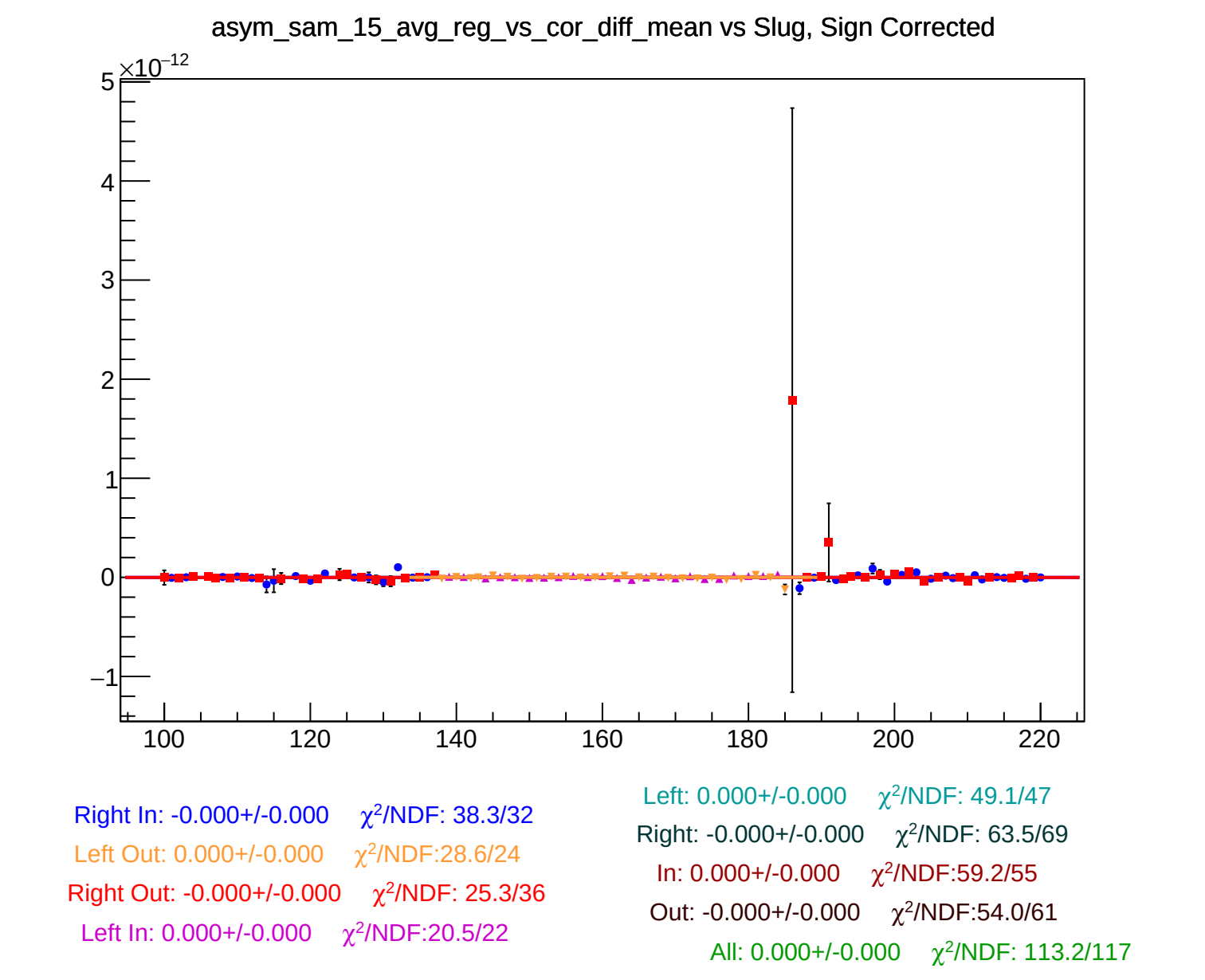
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 186.379+/-0.024 χ^2/NDF: 24666617.4/69

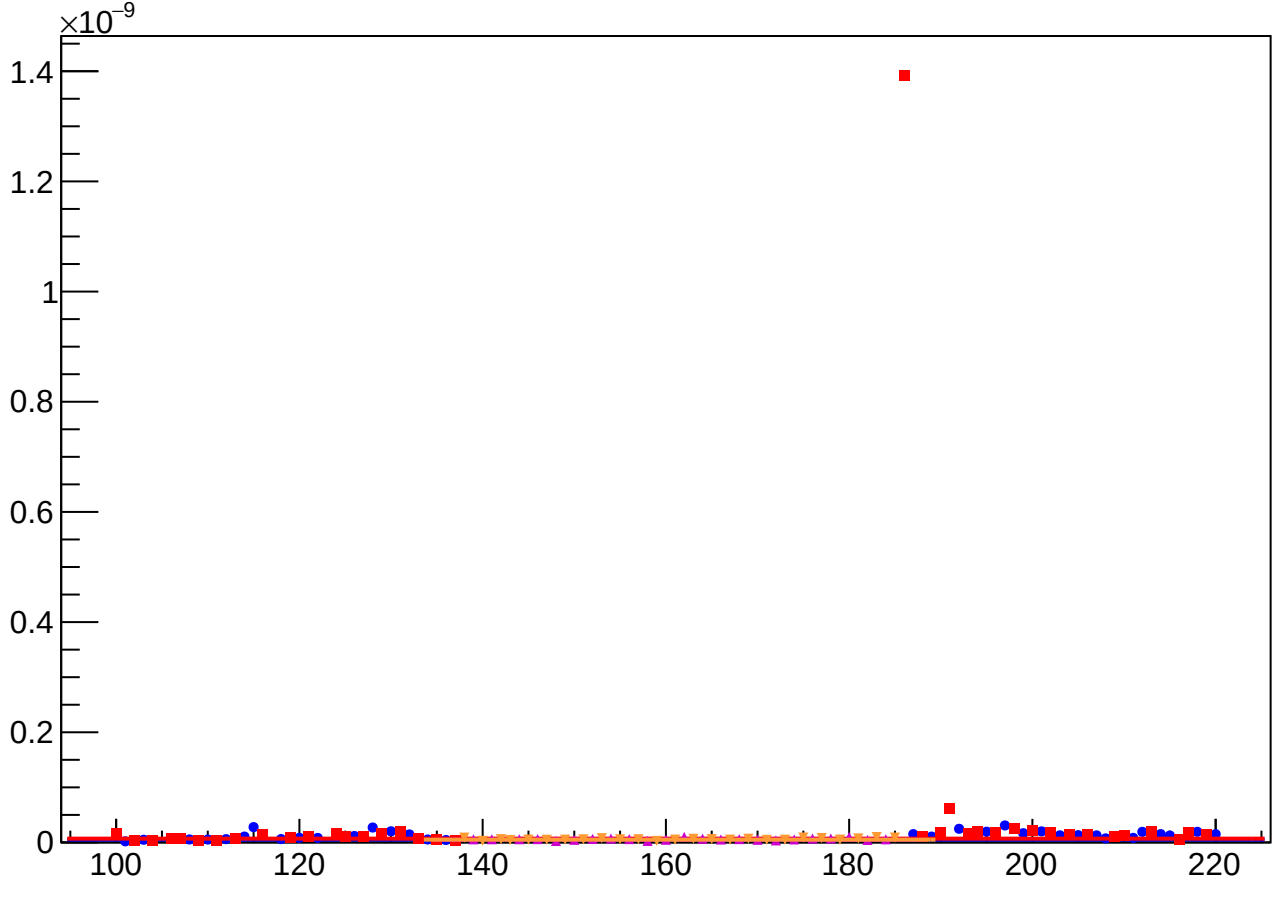
In: 227.882+/-0.030 χ^2/NDF:18372746.9/55

Out: 228.910+/-0.029 χ^2/NDF:18456741.1/61

All: 228.406+/-0.021 χ^2/NDF: 36830104.0/11


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 38.3/32
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.3/36
Left In: 0.000+/-0.000 χ²/NDF:20.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.1/47
Right: -0.000+/-0.000 χ²/NDF: 63.5/69
In: 0.000+/-0.000 χ²/NDF:59.2/55
Out: -0.000+/-0.000 χ²/NDF:54.0/61
All: 0.000+/-0.000 χ²/NDF: 113.2/117

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8217139.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6203560.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

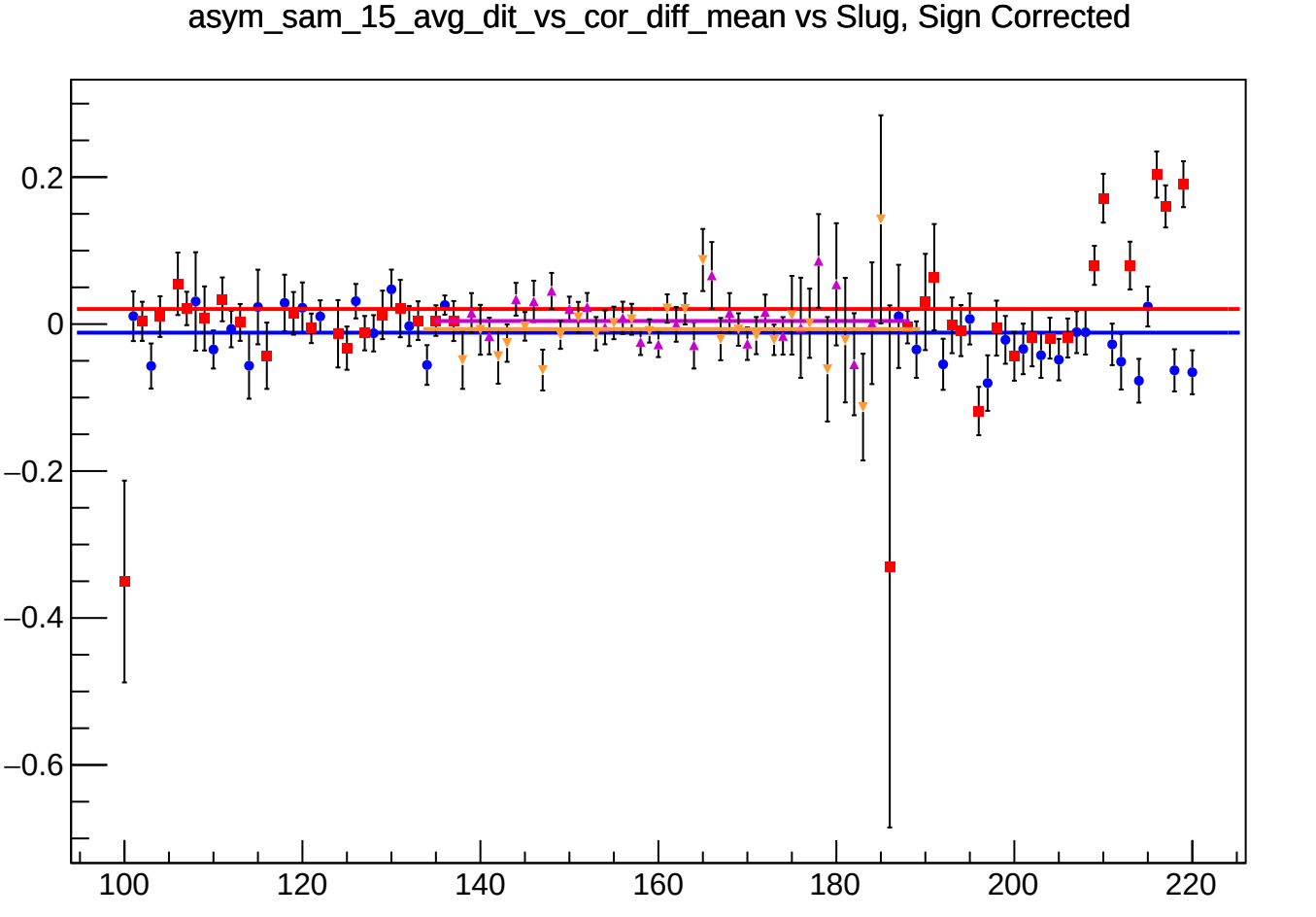
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14830290.9/69

In: 0.000+/-0.000 χ^2/NDF:9462333.6/55

Out: 0.000+/-0.000 χ^2/NDF:8104252.1/61

All: 0.000+/-0.000 χ^2/NDF: 17689806.9/117



Right In: -0.012+/-0.005 χ^2/NDF: 50.8/32

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

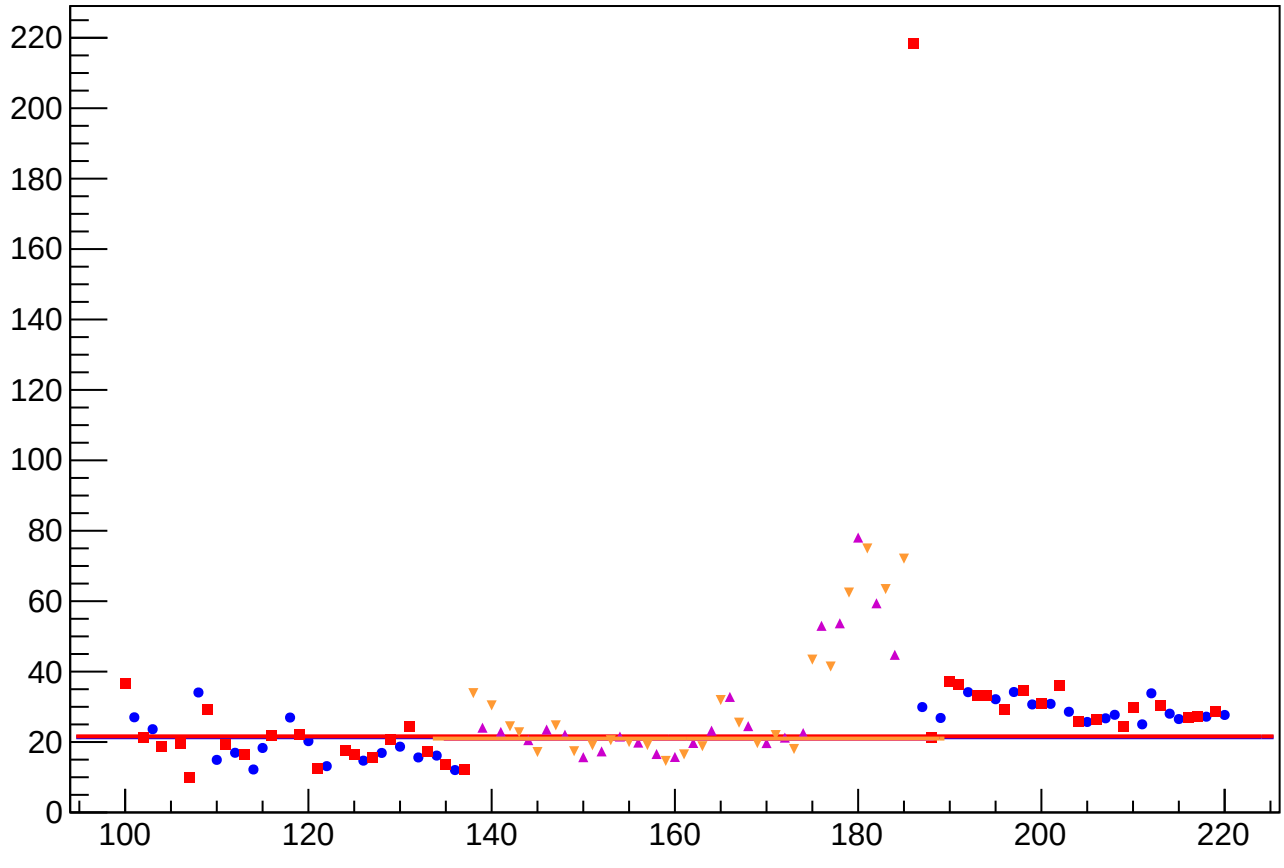
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.004+/-0.004 χ^2/NDF: 238.3/69

In: -0.004+/-0.004 χ^2/NDF:78.7/55

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.002+/-0.003 χ^2/NDF: 286.7/117



Right In: 21.362+/-0.004 χ^2/NDF: 4167076.2/32

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

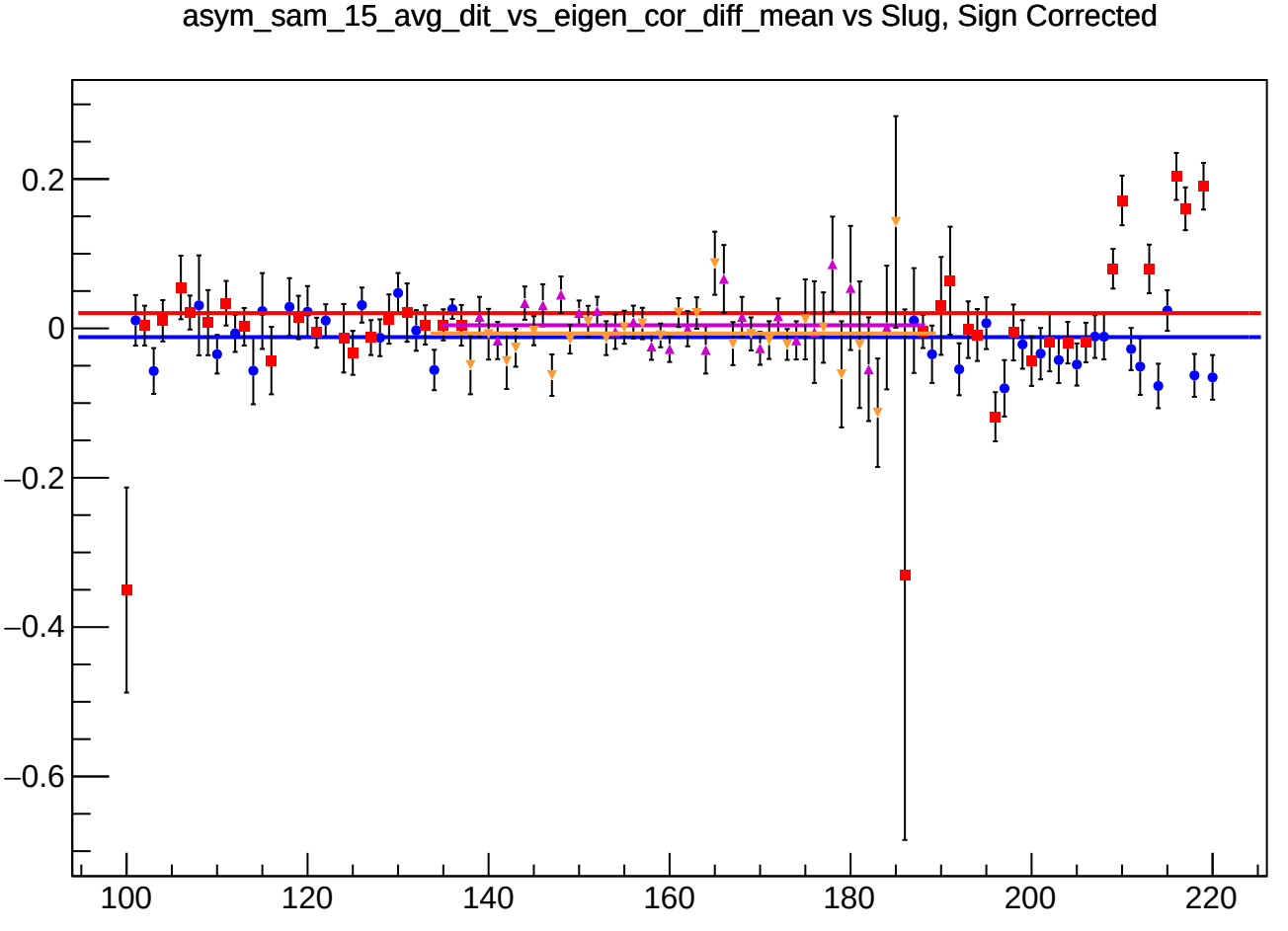
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.487+/-0.003 χ^2/NDF: 8743990.0/69

In: 21.127+/-0.003 χ^2/NDF:7711124.8/55

Out: 21.307+/-0.003 χ^2/NDF:9056664.6/61

All: 21.218+/-0.002 χ^2/NDF: 16770228.4/117



Right In: -0.012+/-0.005 χ^2/NDF: 50.8/32

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

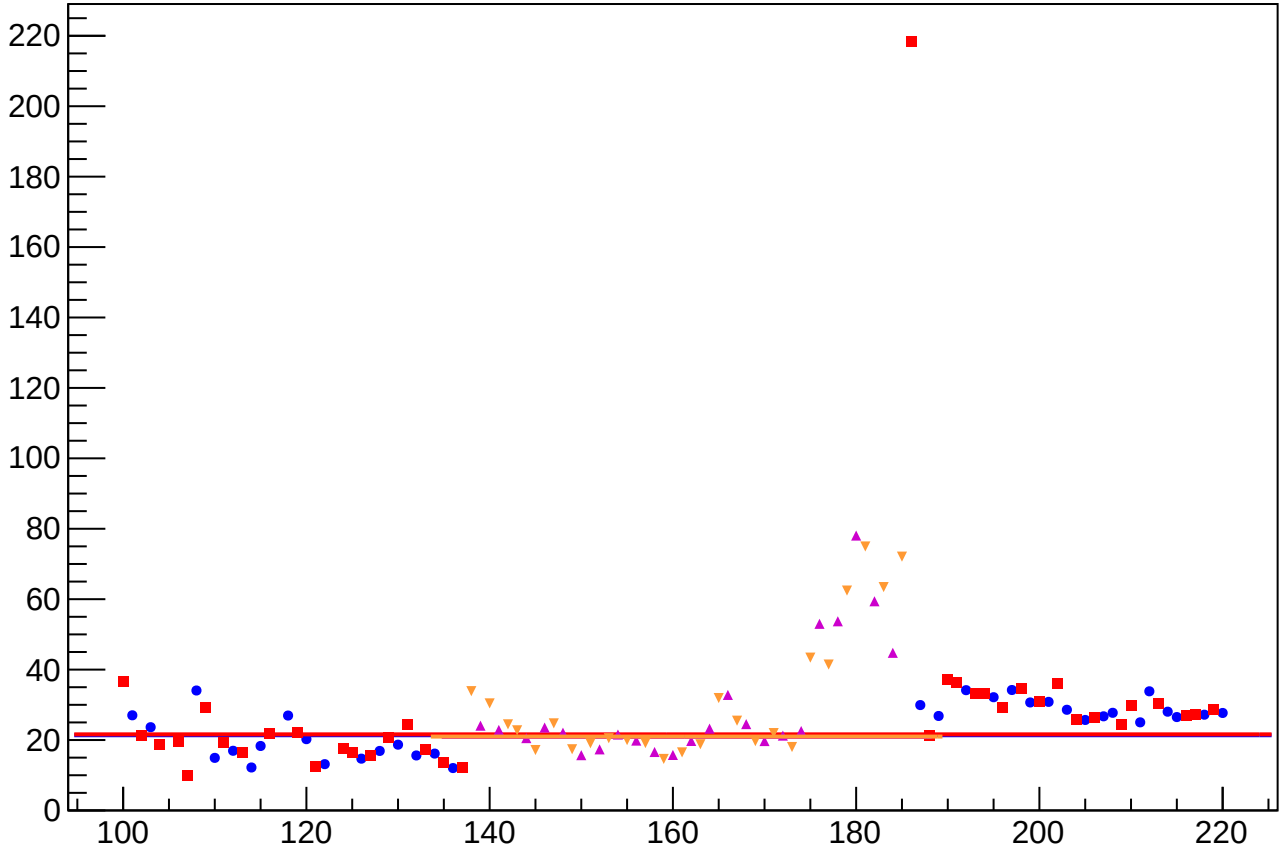
Right: 0.004+/-0.004 χ^2/NDF: 238.3/69

In: -0.004+/-0.004 χ^2/NDF:78.7/55

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.002+/-0.003 χ^2/NDF: 286.7/117

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.362+/-0.004 χ^2/NDF: 4167076.2/32

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

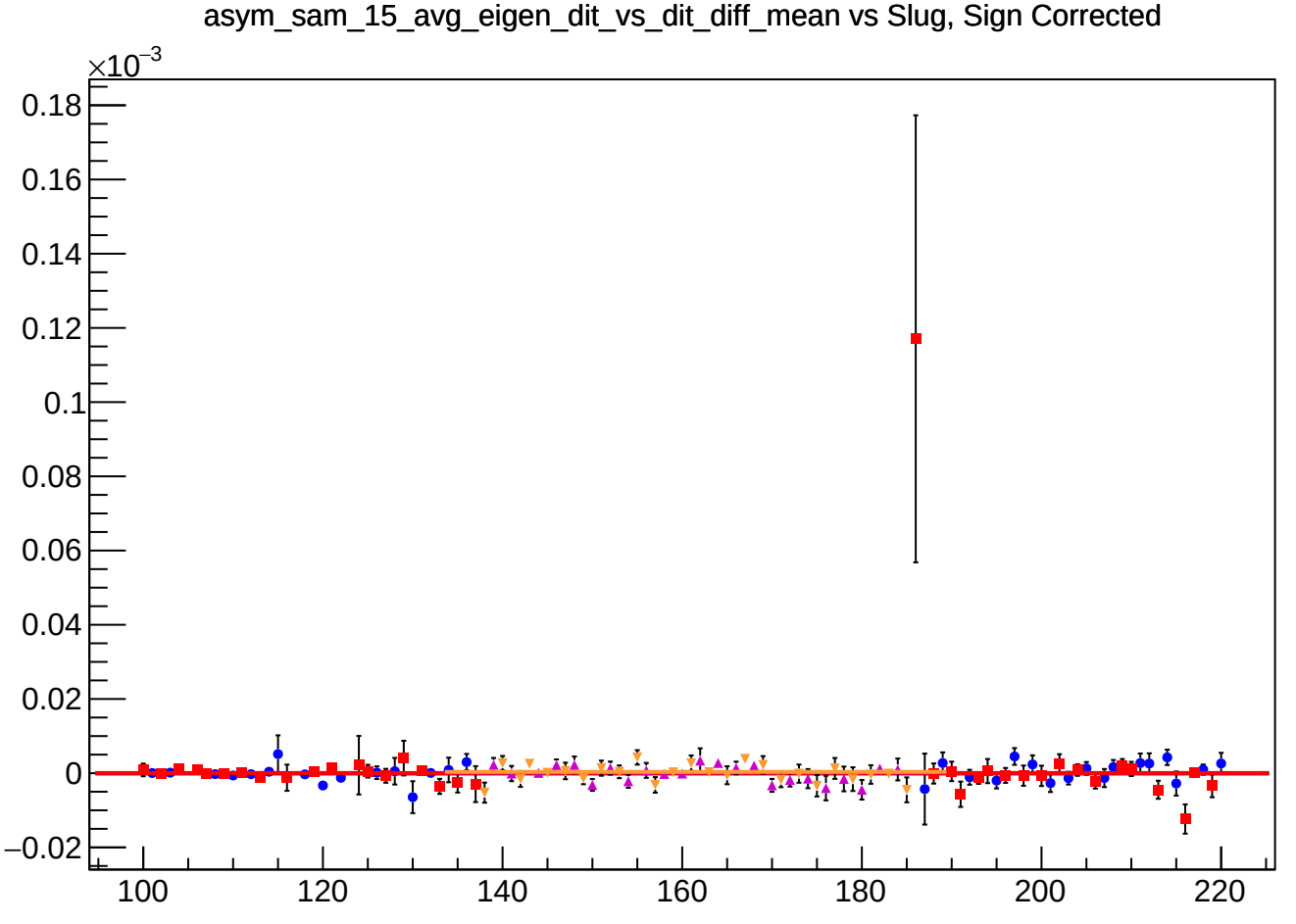
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.487+/-0.003 χ^2/NDF: 8743990.0/69

In: 21.127+/-0.003 χ^2/NDF:7711124.8/55

Out: 21.307+/-0.003 χ^2/NDF:9056664.6/61

All: 21.218+/-0.002 χ^2/NDF: 16770228.4/117



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/36

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

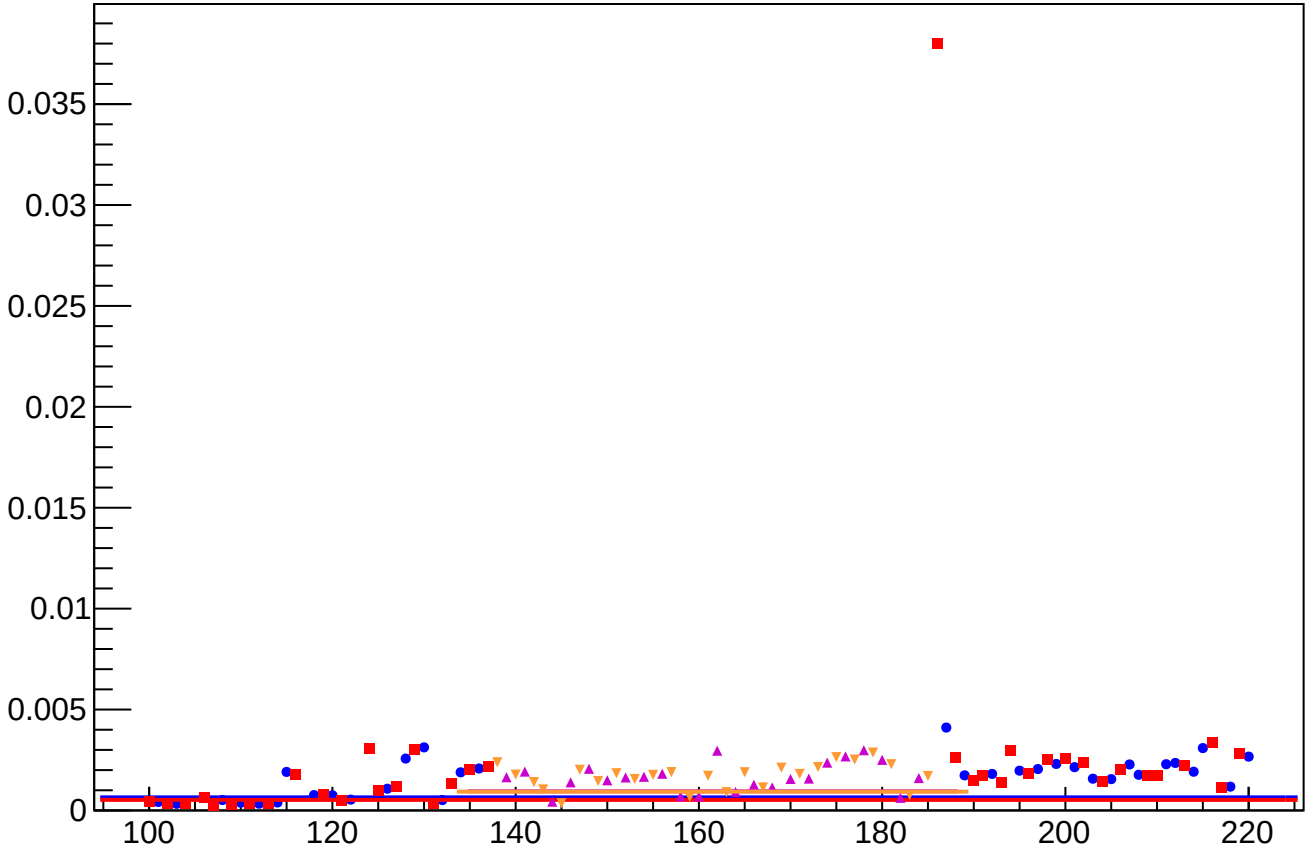
Right: -0.000+/-0.000 χ^2/NDF: 80.9/69

In: 0.000+/-0.000 χ^2/NDF:67.1/55

Out: 0.000+/-0.000 χ^2/NDF:81.4/61

All: 0.000+/-0.000 χ^2/NDF: 148.8/117

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 17556562.2/32

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 20615922.5/36

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

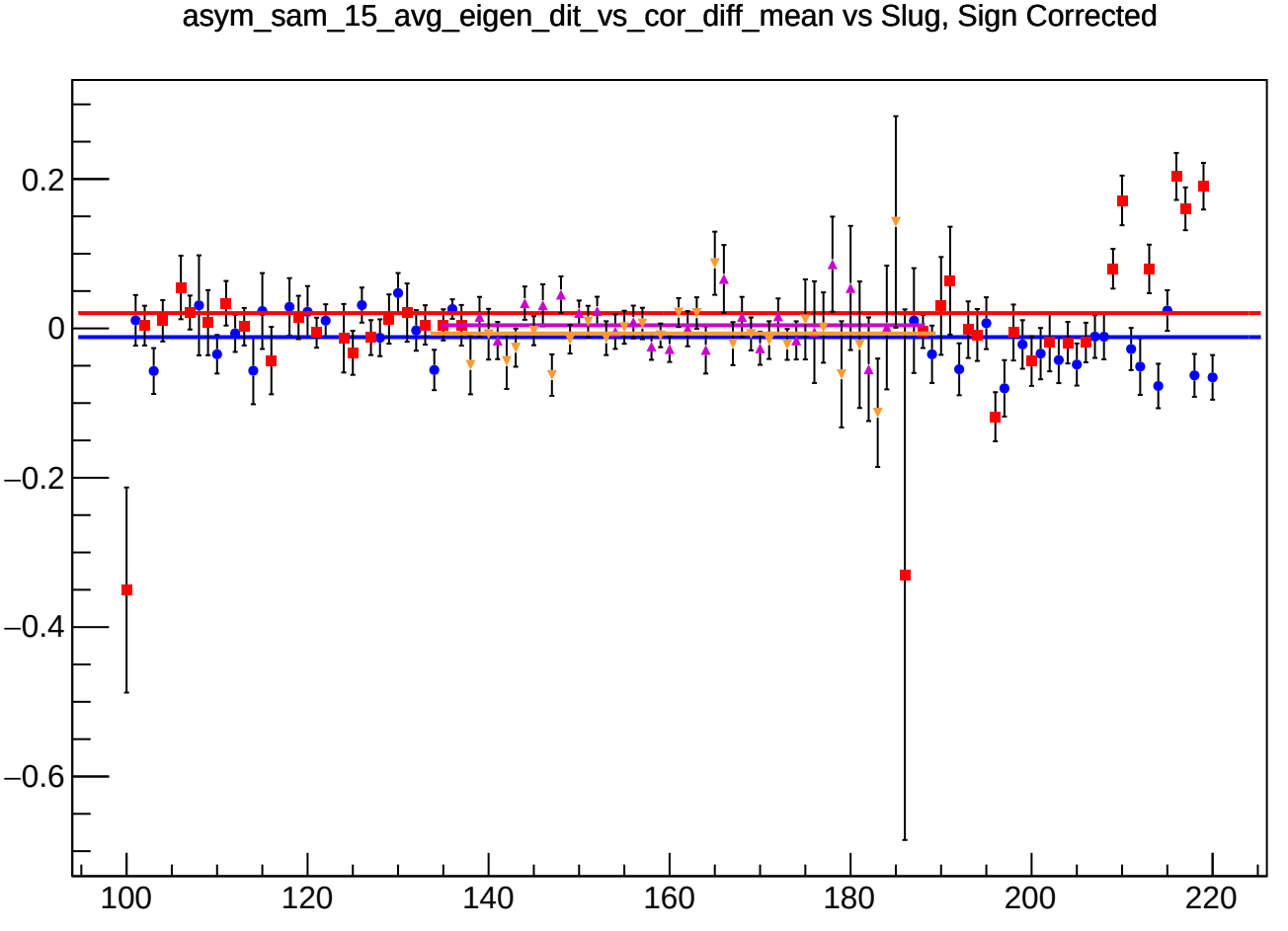
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 38642116.1/69

In: 0.001+/-0.000 χ^2/NDF:28715798.9/55

Out: 0.001+/-0.000 χ^2/NDF:36111147.2/61

All: 0.001+/-0.000 χ^2/NDF: 65412419.6/117



Right In: -0.012+/-0.005 χ^2/NDF: 50.8/32

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

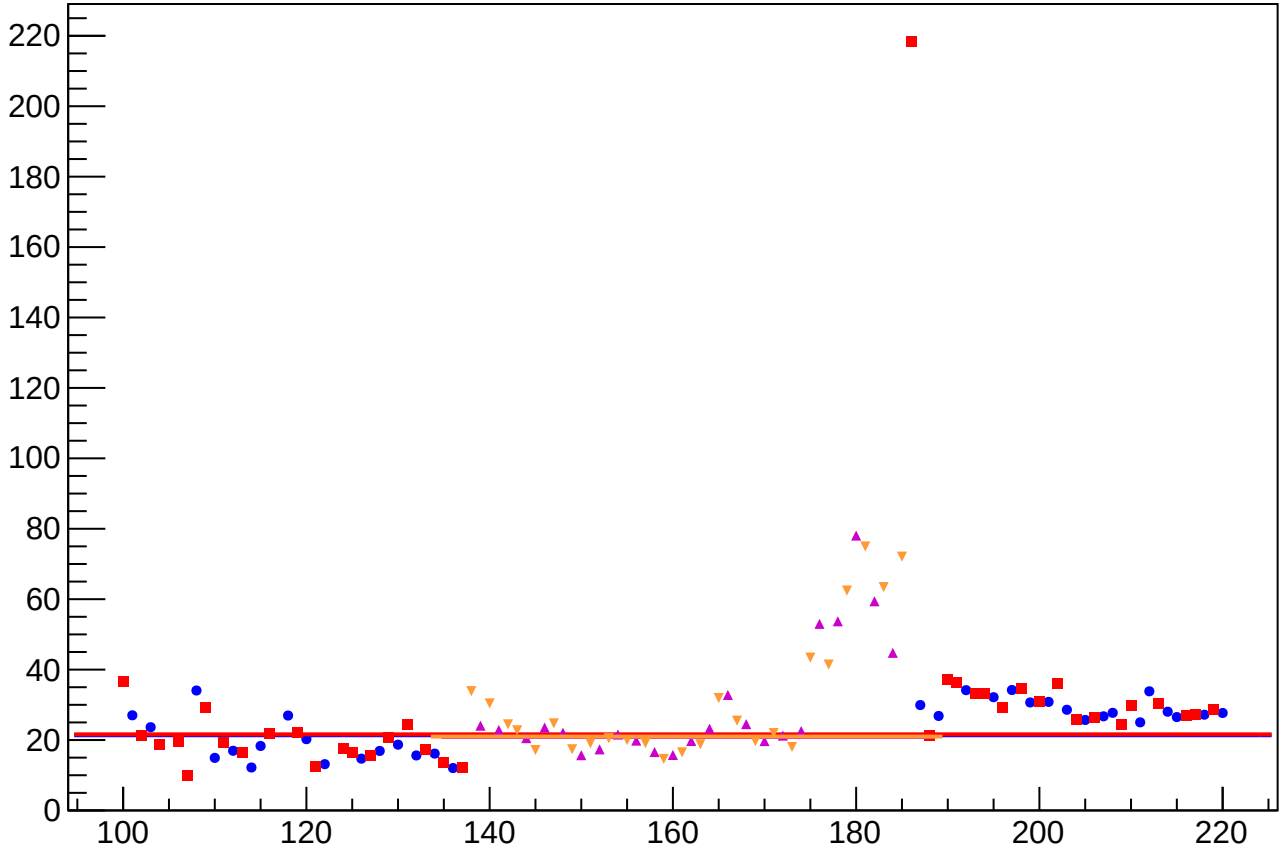
Right: 0.004+/-0.004 χ^2/NDF: 238.3/69

In: -0.004+/-0.004 χ^2/NDF:78.7/55

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.002+/-0.003 χ^2/NDF: 286.7/117

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.362+/-0.004 χ^2/NDF: 4167055.7/32

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

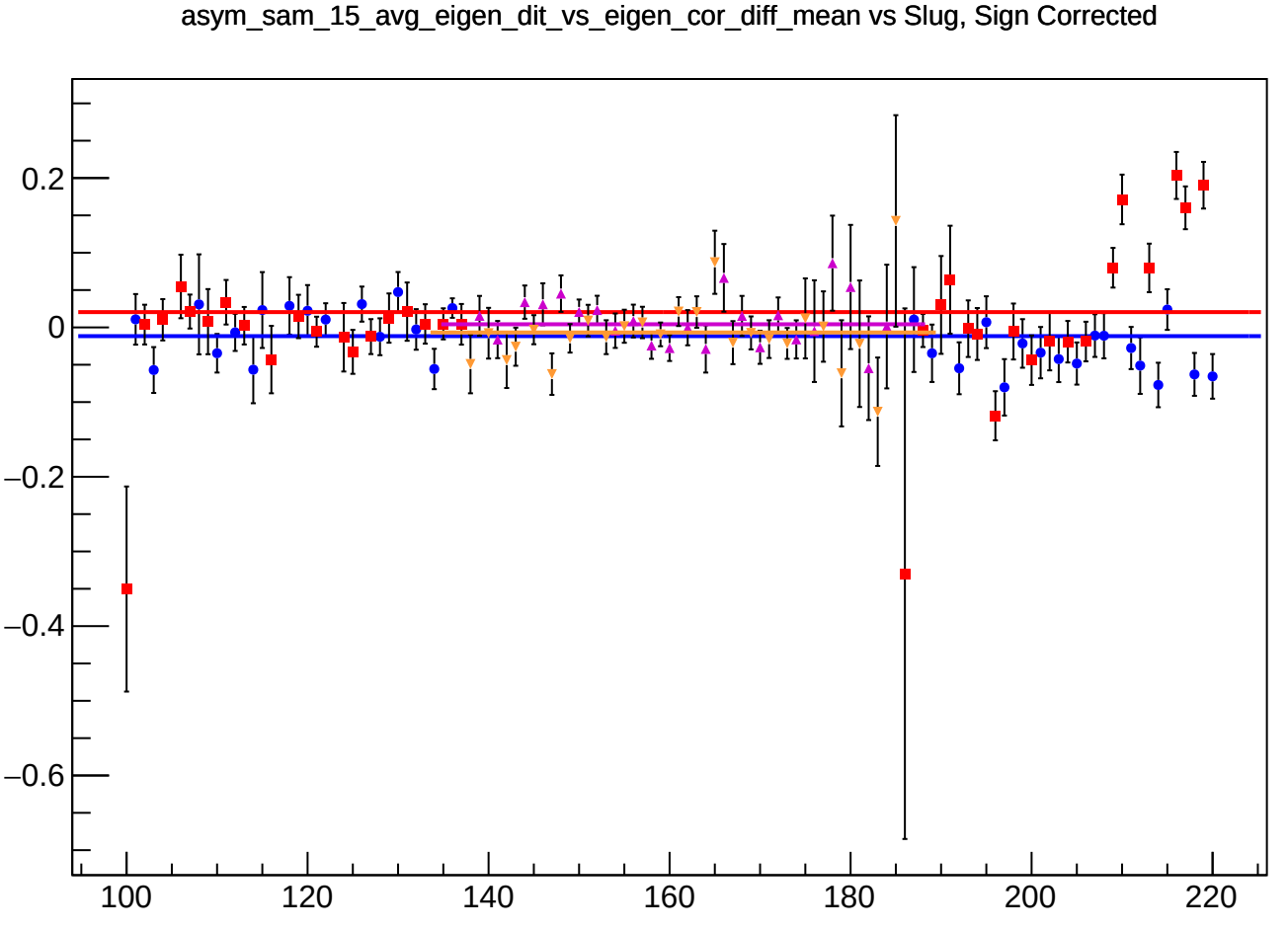
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.487+/-0.003 χ^2/NDF: 8743973.1/69

In: 21.127+/-0.003 χ^2/NDF:7711139.6/55

Out: 21.307+/-0.003 χ^2/NDF:9056622.1/61

All: 21.218+/-0.002 χ^2/NDF: 16770200.8/117



Right In: -0.012+/-0.005 χ^2/NDF: 50.8/32

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

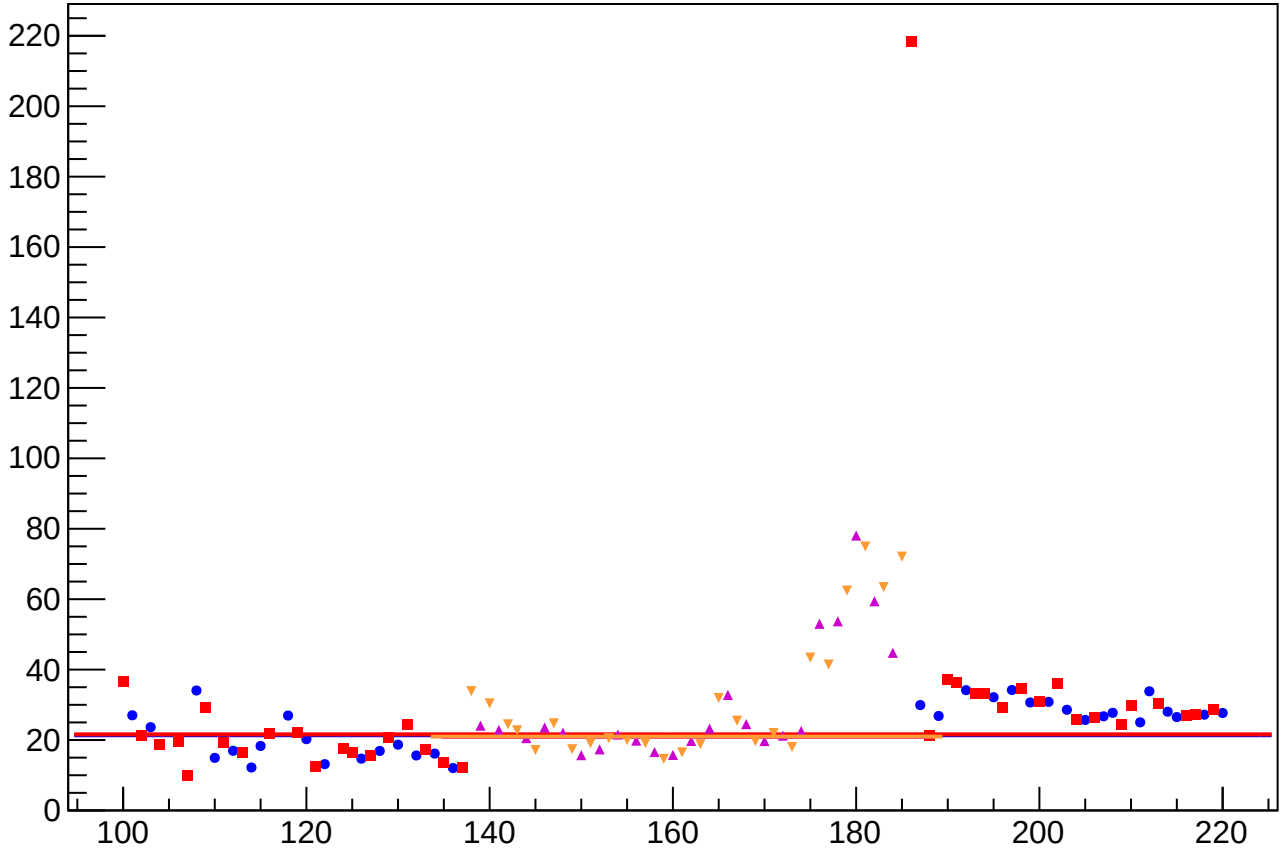
Right: 0.004+/-0.004 χ^2/NDF: 238.3/69

In: -0.004+/-0.004 χ^2/NDF:78.7/55

Out: 0.007+/-0.004 χ^2/NDF:203.0/61

All: 0.002+/-0.003 χ^2/NDF: 286.7/117

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.362+/-0.004 χ^2/NDF: 4167055.7/32

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

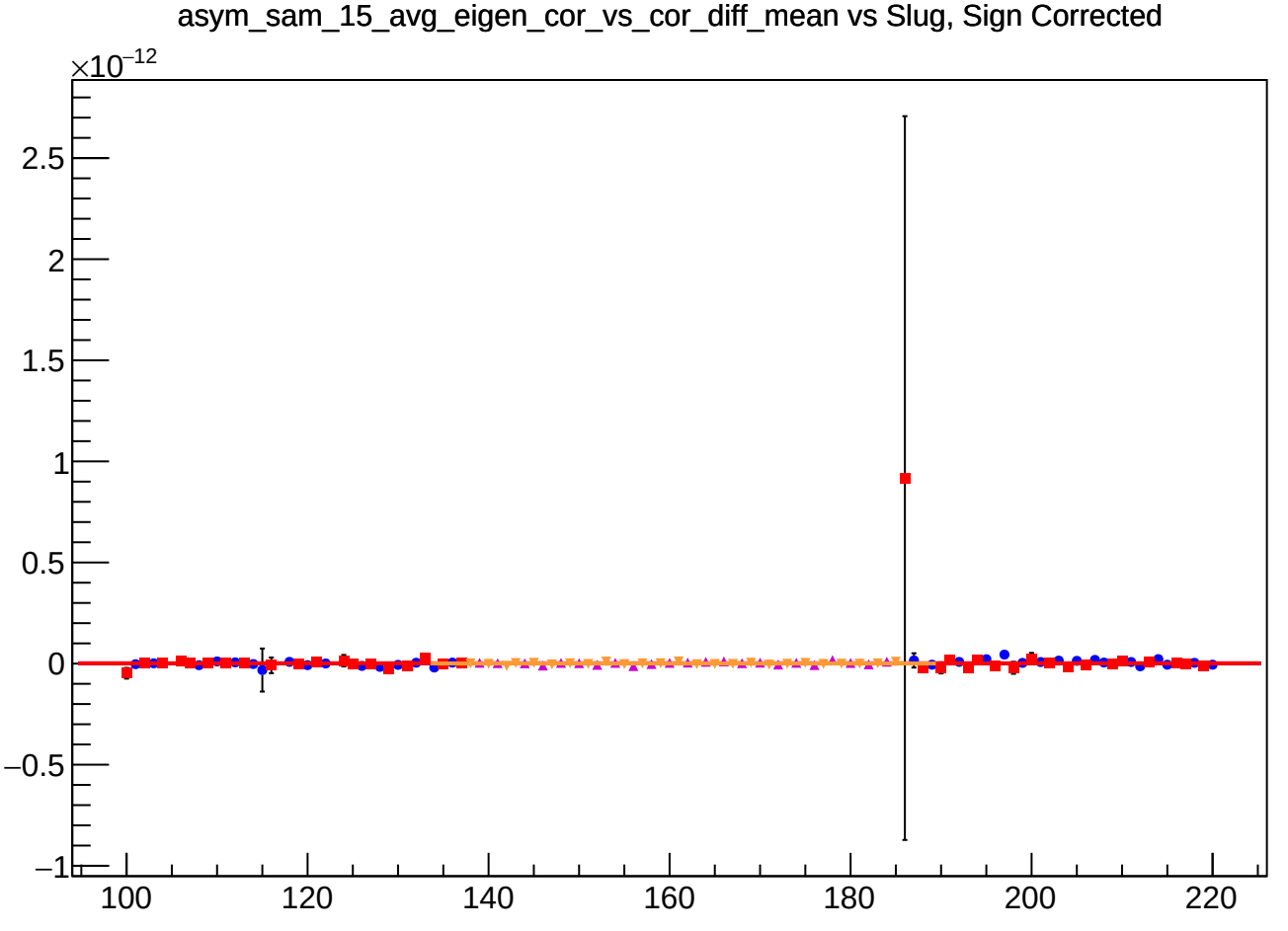
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.487+/-0.003 χ^2/NDF: 8743973.1/69

In: 21.127+/-0.003 χ^2/NDF:7711139.6/55

Out: 21.307+/-0.003 χ^2/NDF:9056622.1/61

All: 21.218+/-0.002 χ^2/NDF: 16770200.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/36

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

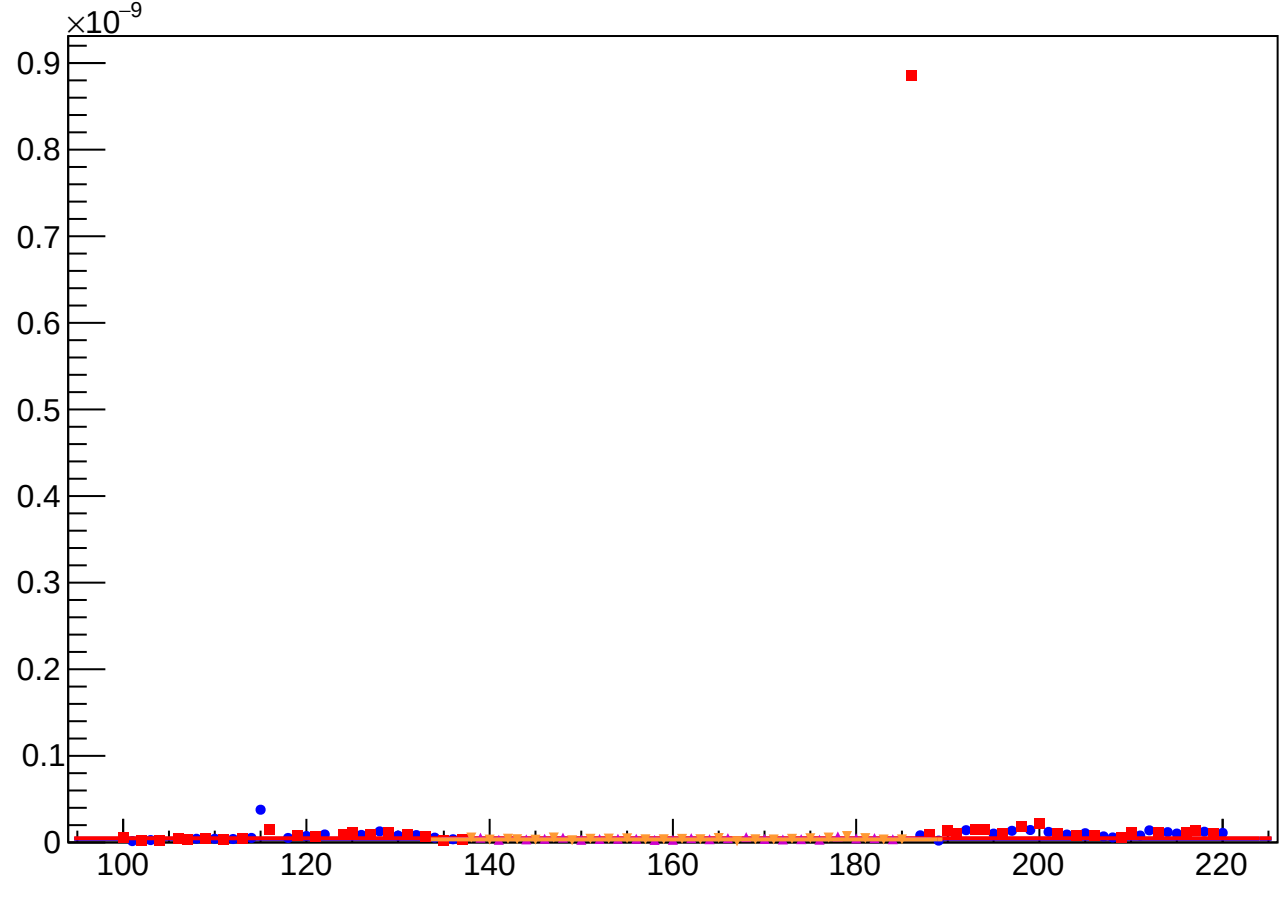
Right: 0.000+/-0.000 χ^2/NDF: 56.8/69

In: 0.000+/-0.000 χ^2/NDF:55.4/55

Out: 0.000+/-0.000 χ^2/NDF:42.7/61

All: 0.000+/-0.000 χ^2/NDF: 98.1/117

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10239557.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9796801.5/36

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

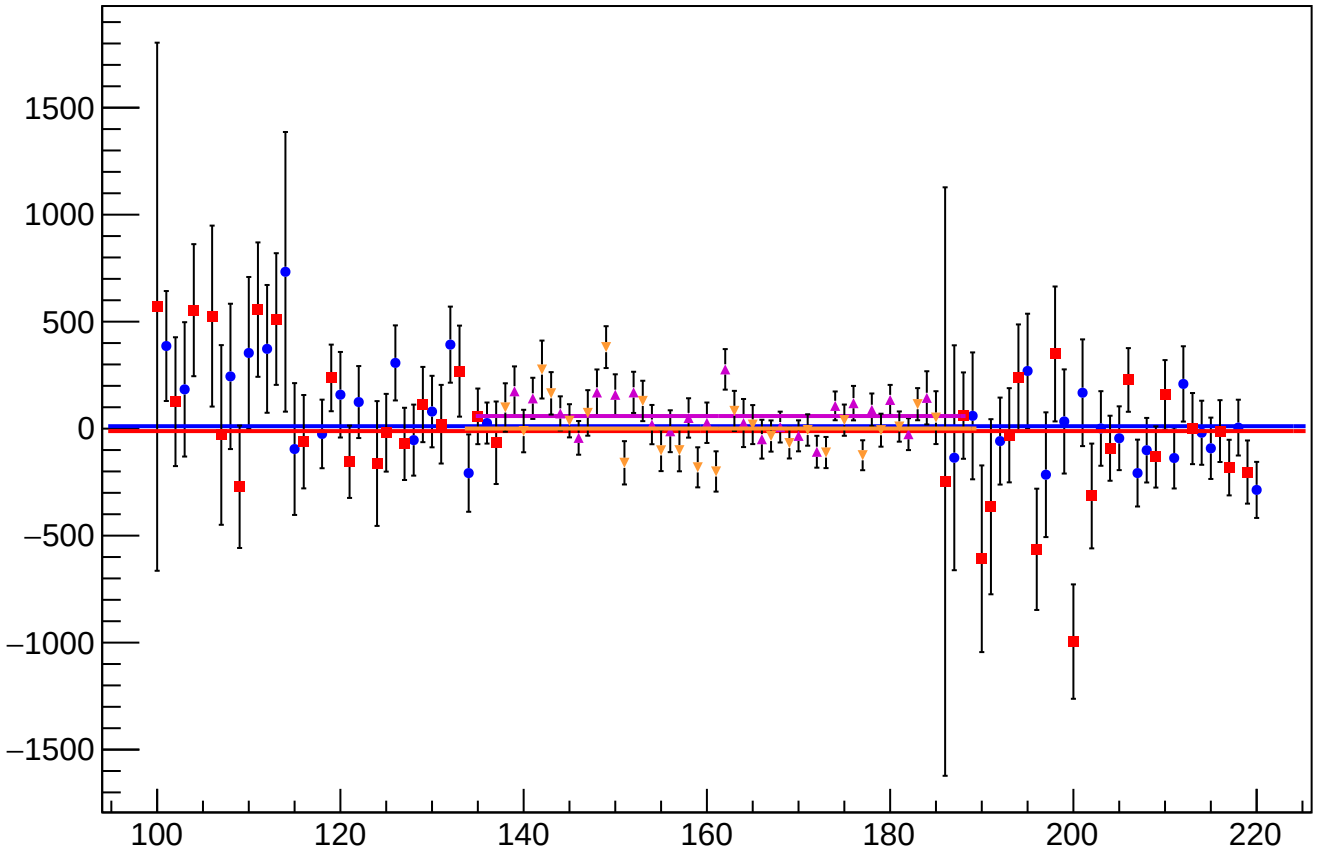
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 20223042.8/69

In: 0.000+/-0.000 χ^2/NDF:11480573.3/55

Out: 0.000+/-0.000 χ^2/NDF:13250454.4/61

All: 0.000+/-0.000 χ^2/NDF: 24738411.3/117



Right In: 11.399+/-31.727 χ^2/NDF: 29.8/32

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -11.481+/-33.304 χ^2/NDF: 50.8/36

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

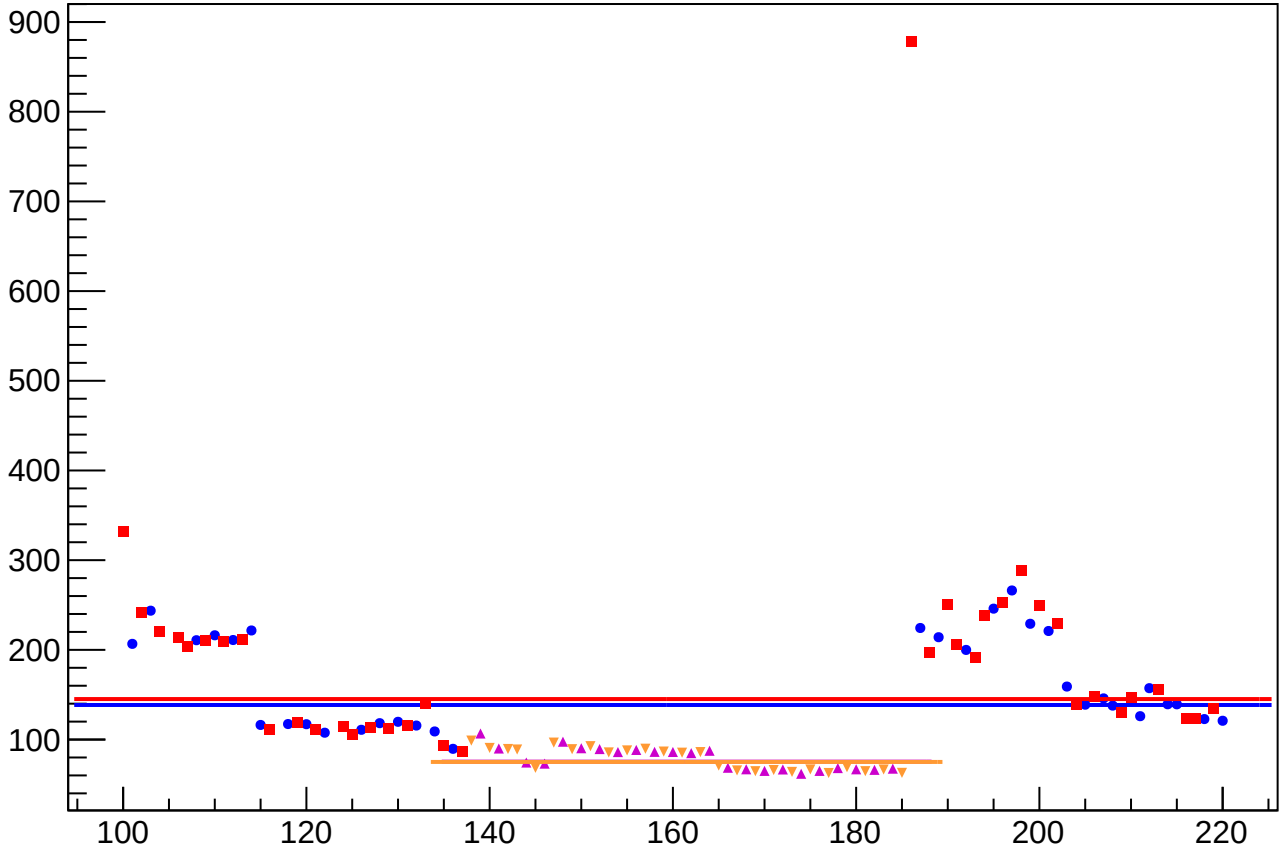
Right: 0.514+/-22.972 χ^2/NDF: 80.8/69

In: 47.456+/-15.576 χ^2/NDF:57.4/55

Out: -1.973+/-15.366 χ^2/NDF:99.5/61

All: 22.406+/-10.939 χ^2/NDF: 161.9/117

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 138.542+/-0.022 χ^2/NDF: 3250683.0/32

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.145+/-0.024 χ^2/NDF: 4360480.6/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

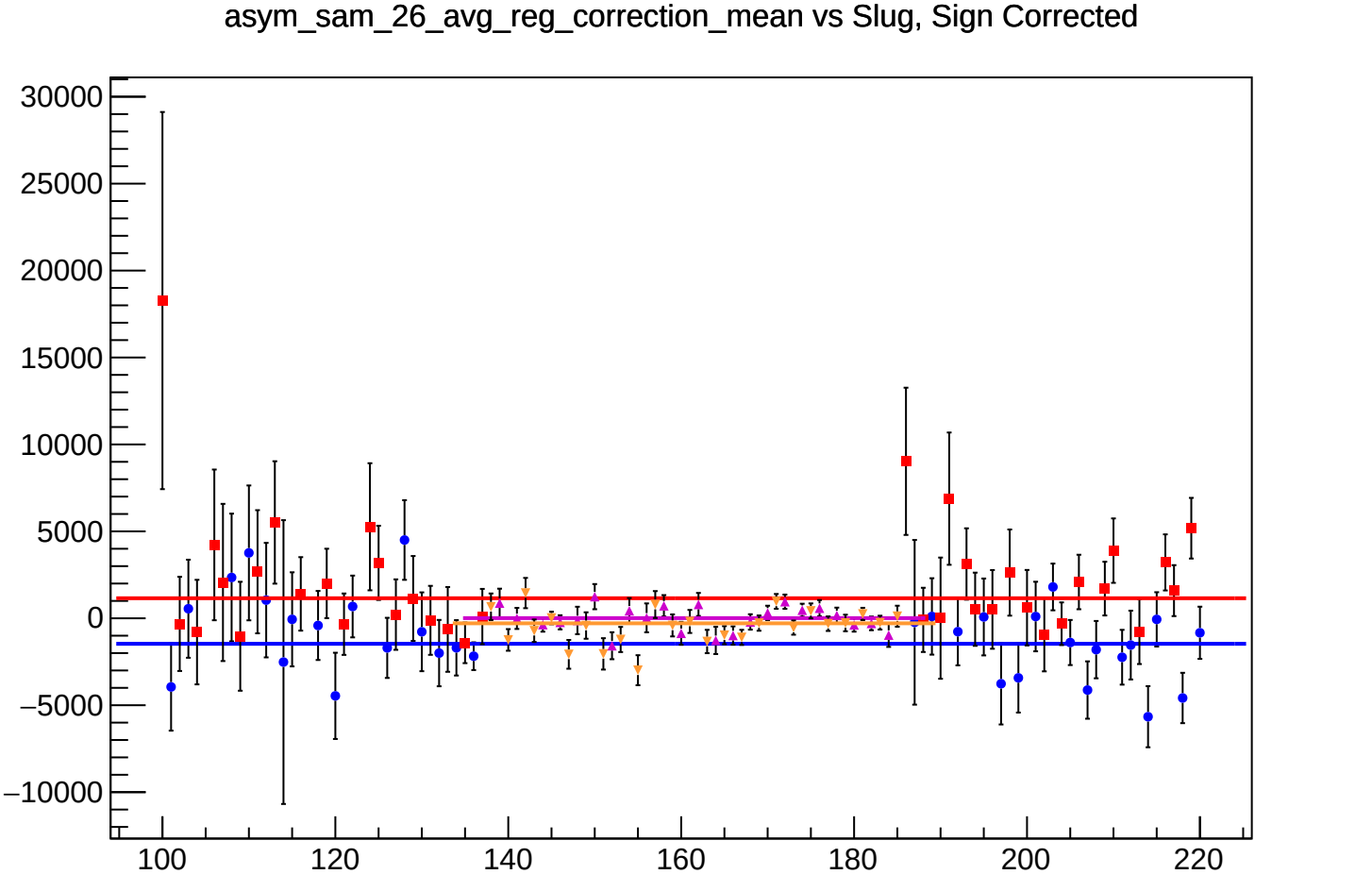
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 141.684+/-0.016 χ^2/NDF: 7652378.8/69

In: 90.583+/-0.011 χ^2/NDF:10109901.4/55

Out: 89.964+/-0.011 χ^2/NDF:12263865.1/61

All: 90.269+/-0.008 χ^2/NDF: 22375365.3/117



Right In: -1466.799+/-316.839 χ^2/NDF: 40.1/32

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 1154.022+/-339.361 χ^2/NDF: 36.5/36

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

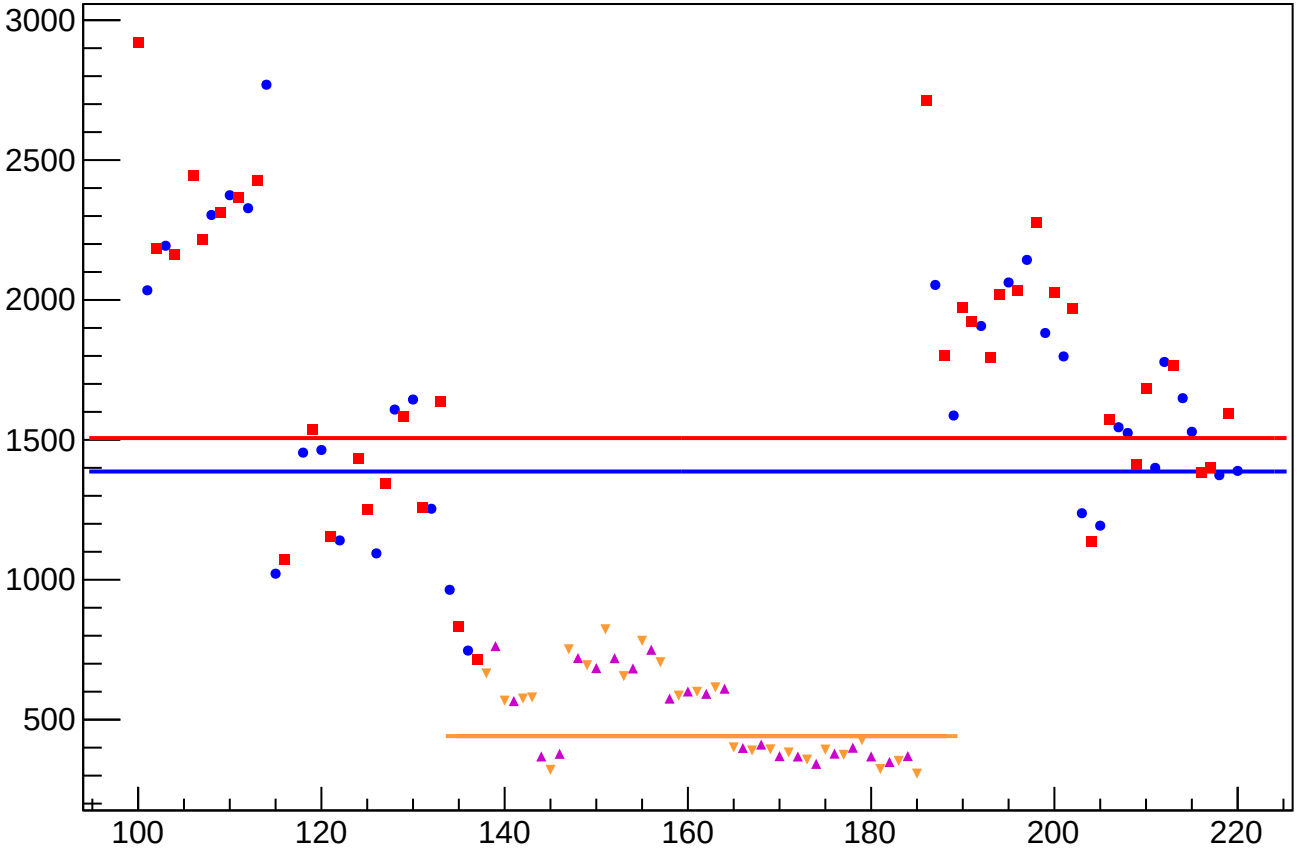
Right: -246.234+/-231.592 χ^2/NDF: 108.5/69

In: -142.309+/-101.944 χ^2/NDF:93.0/55

Out: -161.579+/-100.510 χ^2/NDF:106.2/61

All: -152.081+/-71.573 χ^2/NDF: 199.3/117

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1386.896+/-0.224 χ^2/NDF: 3433704.7/32

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1506.369+/-0.240 χ^2/NDF: 3412906.3/36

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

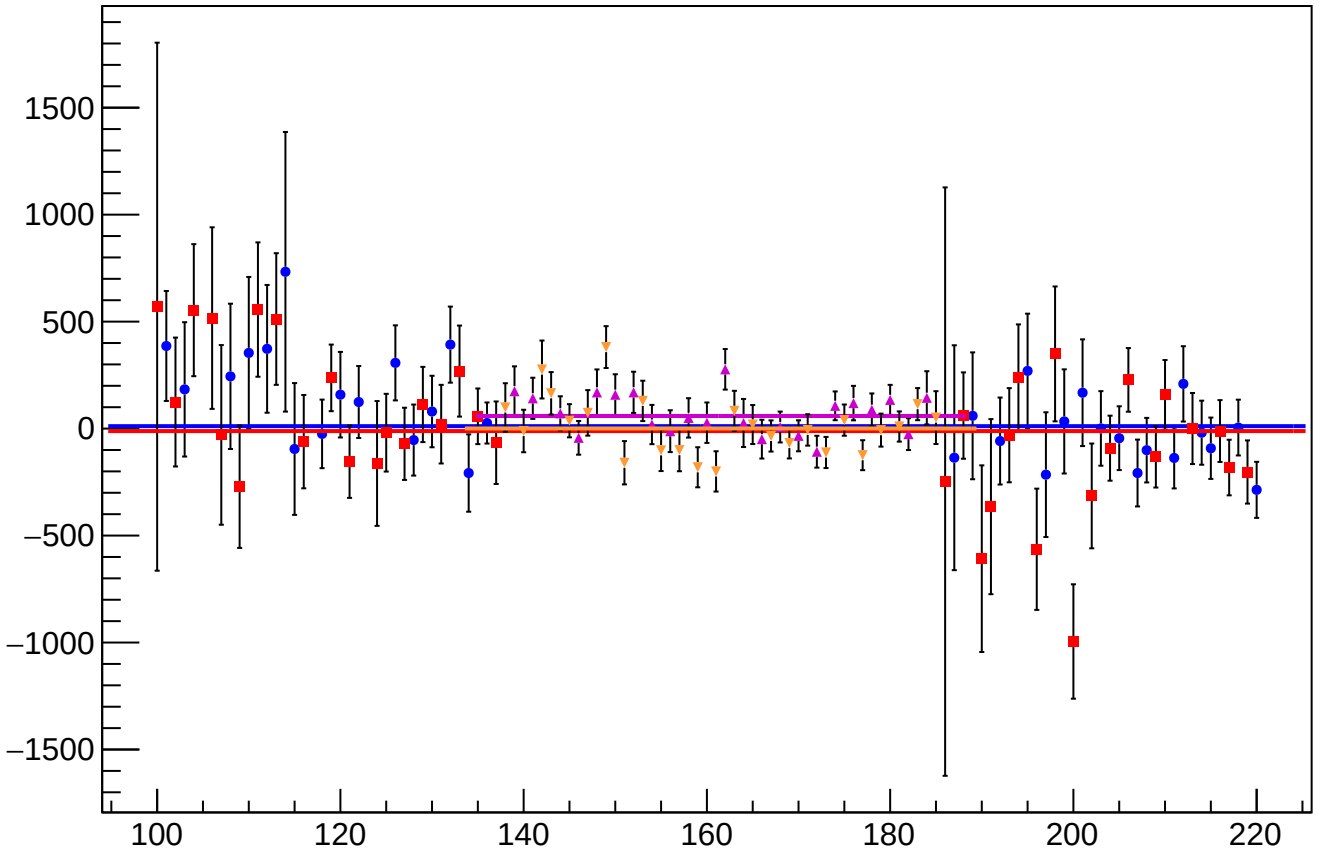
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1442.537+/-0.164 χ^2/NDF: 6979050.1/69

In: 539.100+/-0.072 χ^2/NDF:22089200.3/55

Out: 534.570+/-0.071 χ^2/NDF:24625085.7/61

All: 536.803+/-0.051 χ^2/NDF: 46716288.0/11



Right In: 11.390+/-31.727 χ^2/NDF: 29.8/32

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -11.587+/-33.305 χ^2/NDF: 50.7/36

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

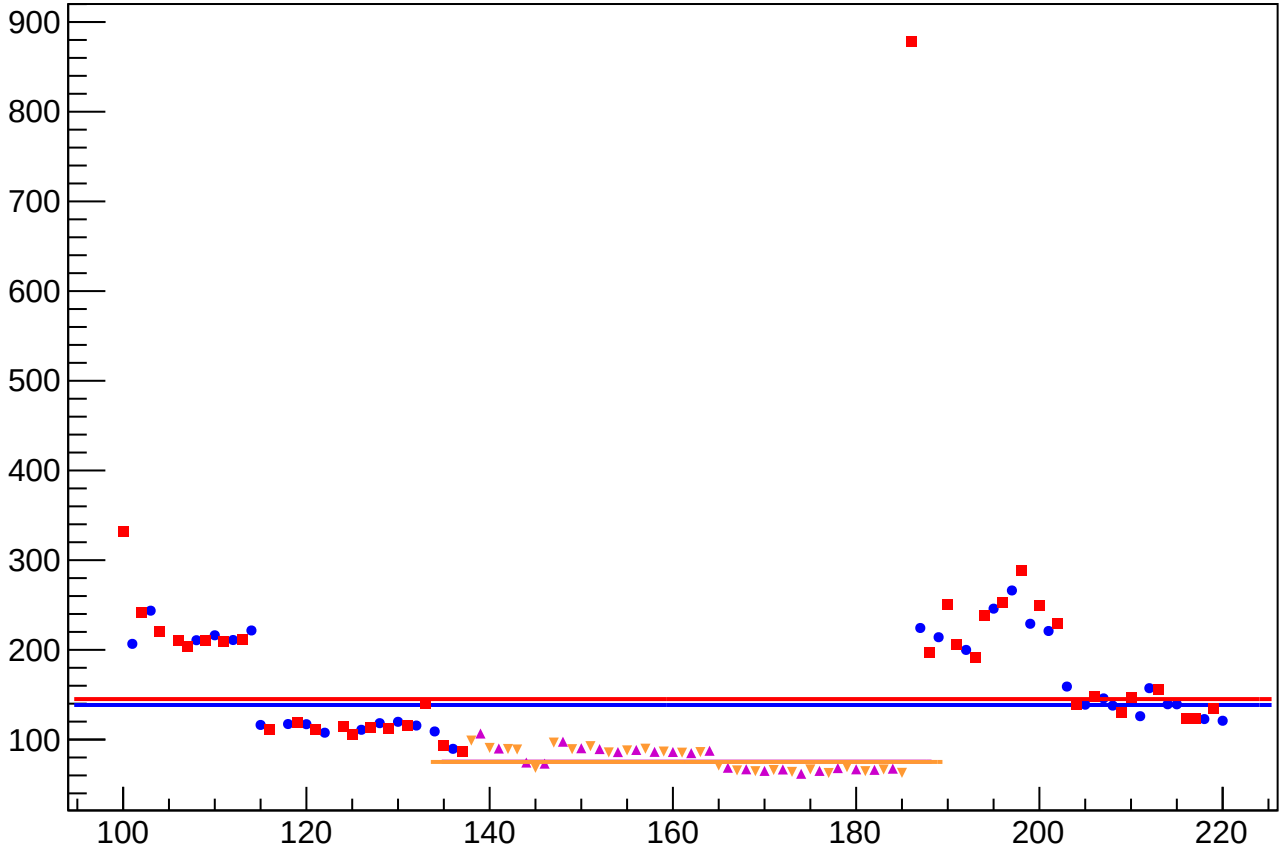
Right: 0.459+/-22.972 χ^2/NDF: 80.8/69

In: 47.452+/-15.576 χ^2/NDF:57.3/55

Out: -1.996+/-15.366 χ^2/NDF:99.4/61

All: 22.392+/-10.939 χ^2/NDF: 161.8/117

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 138.542+/-0.022 χ^2/NDF: 3250685.5/32

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

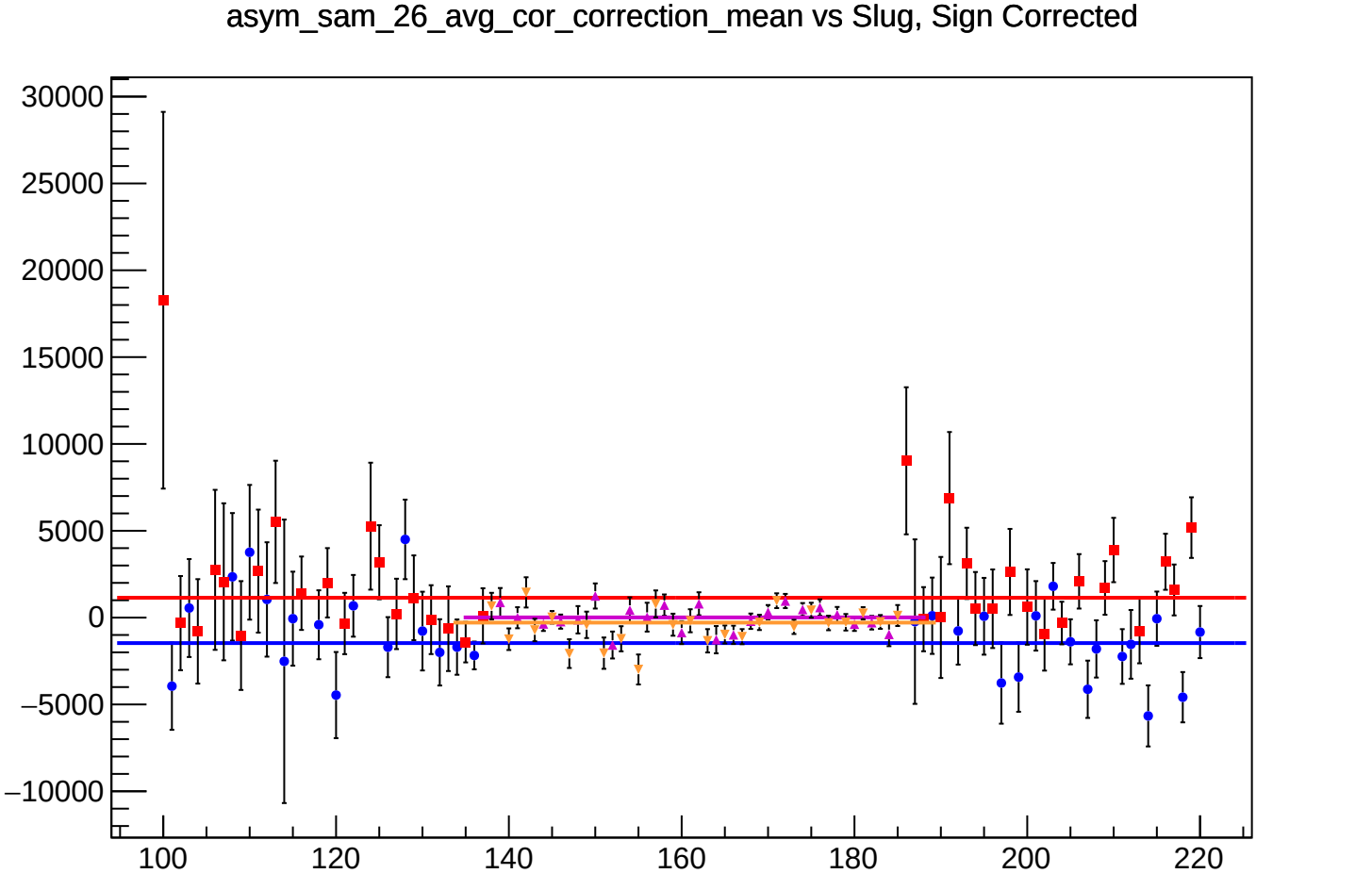
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 141.673+/-0.016 χ^2/NDF: 7647458.7/69

In: 90.583+/-0.011 χ^2/NDF:10109903.5/55

Out: 89.959+/-0.011 χ^2/NDF:12254572.6/61

All: 90.266+/-0.008 χ^2/NDF: 22366102.5/117



Right In: -1466.795+/-316.839 χ^2/NDF: 40.1/32

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 1143.985+/-339.484 χ^2/NDF: 36.1/36

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

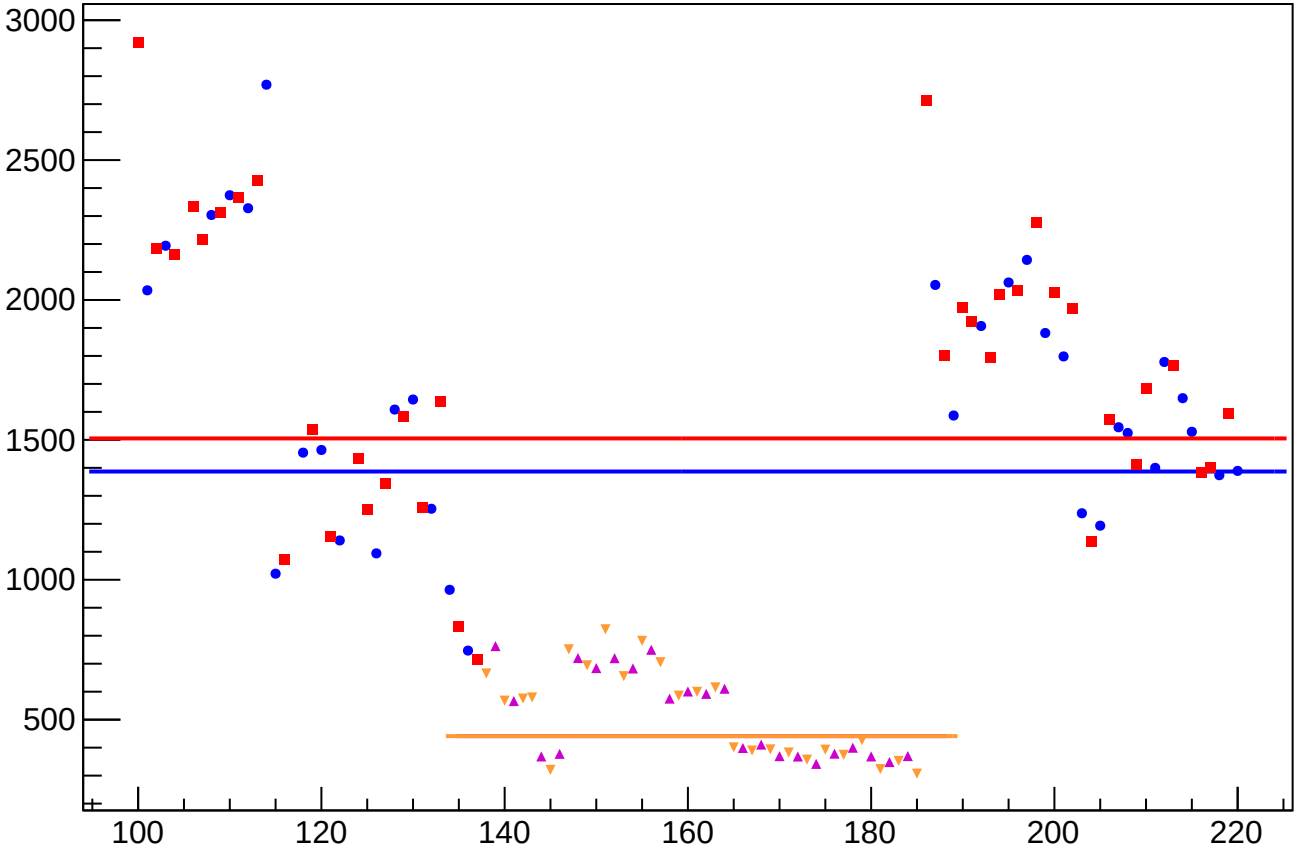
Right: -251.376+/-231.631 χ^2/NDF: 107.8/69

In: -142.308+/-101.944 χ^2/NDF:93.0/55

Out: -162.542+/-100.513 χ^2/NDF:105.6/61

All: -152.568+/-71.574 χ^2/NDF: 198.6/117

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1386.896+/-0.224 χ^2/NDF: 3433735.3/32

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

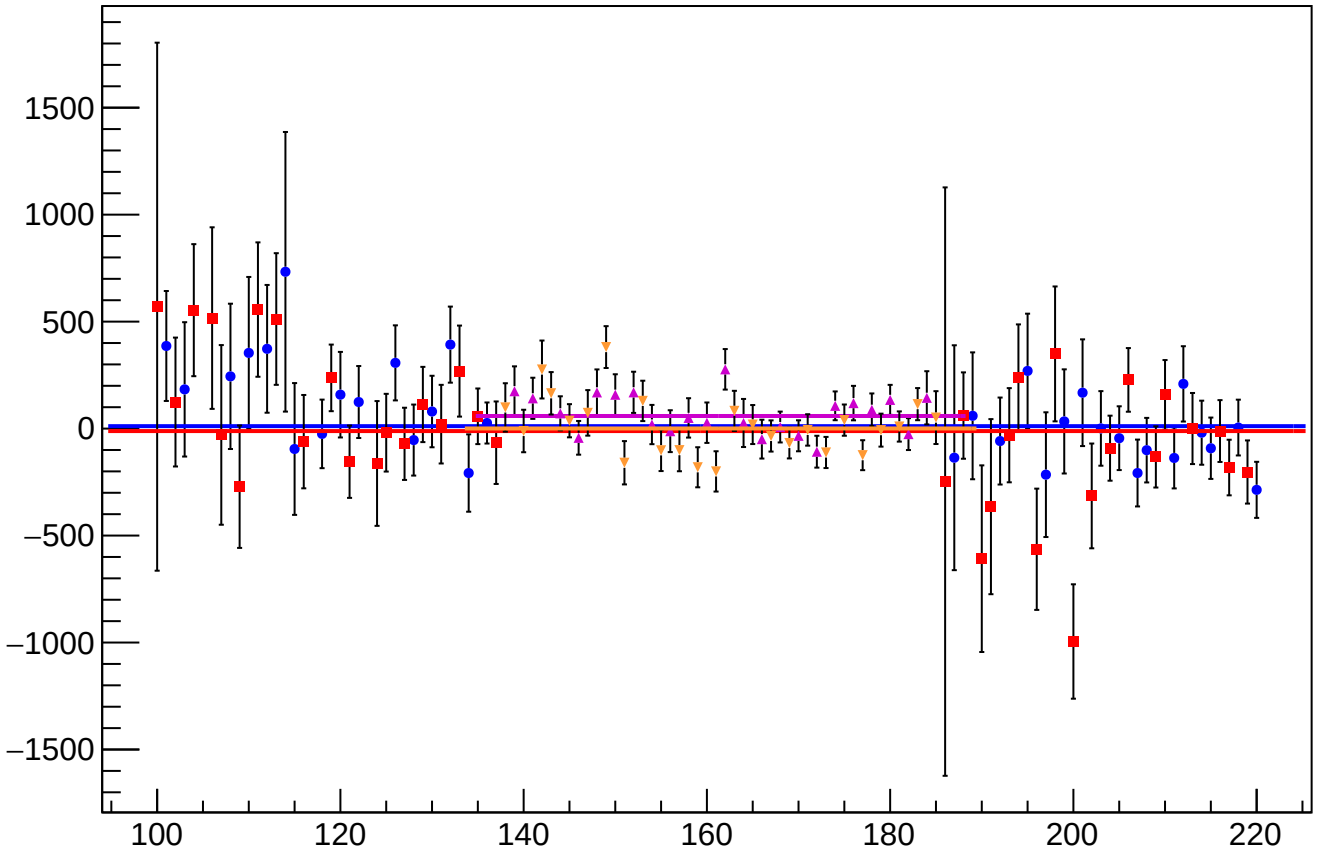
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

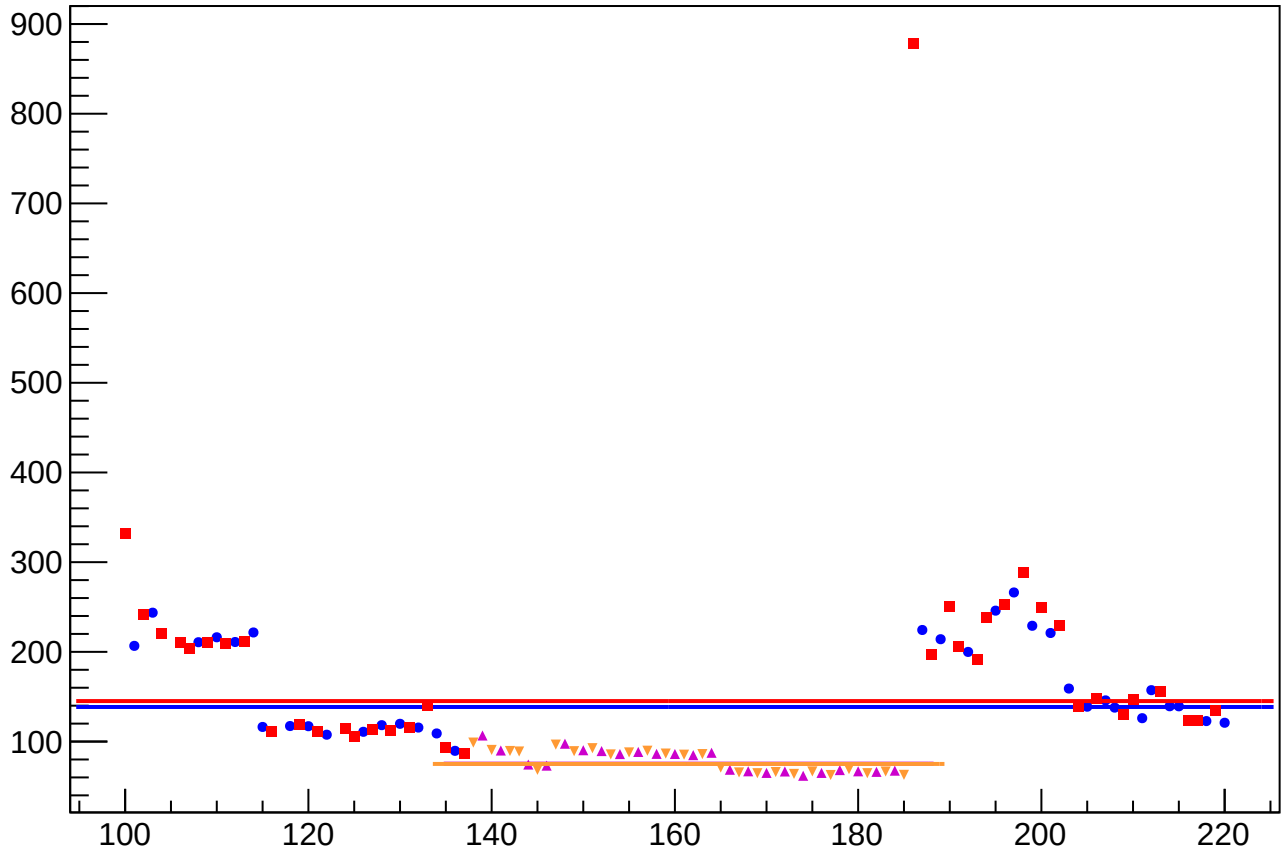
Right: 1441.935+/-0.164 χ^2/NDF: 6947631.3/69

In: 539.100+/-0.072 χ^2/NDF:22089207.6/55

Out: 534.400+/-0.071 χ^2/NDF:24542543.9/61

All: 536.717+/-0.051 χ^2/NDF: 46633907.5/11


eigen_cor_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 11.390+/-31.727 χ²/NDF: 29.8/32
Left Out: 0.598+/-17.319 χ²/NDF:48.6/24
Right Out: -11.587+/-33.305 χ²/NDF: 50.7/36
Left In: 58.904+/-17.879 χ²/NDF:25.8/22
Left: 28.824+/-12.440 χ²/NDF: 79.9/47
Right: 0.459+/-22.972 χ²/NDF: 80.8/69
In: 47.452+/-15.576 χ²/NDF:57.3/55
Out: -1.996+/-15.366 χ²/NDF:99.4/61
All: 22.392+/-10.939 χ²/NDF: 161.8/117



Right In: 138.542+/-0.022 χ^2/NDF: 3250685.5/32

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

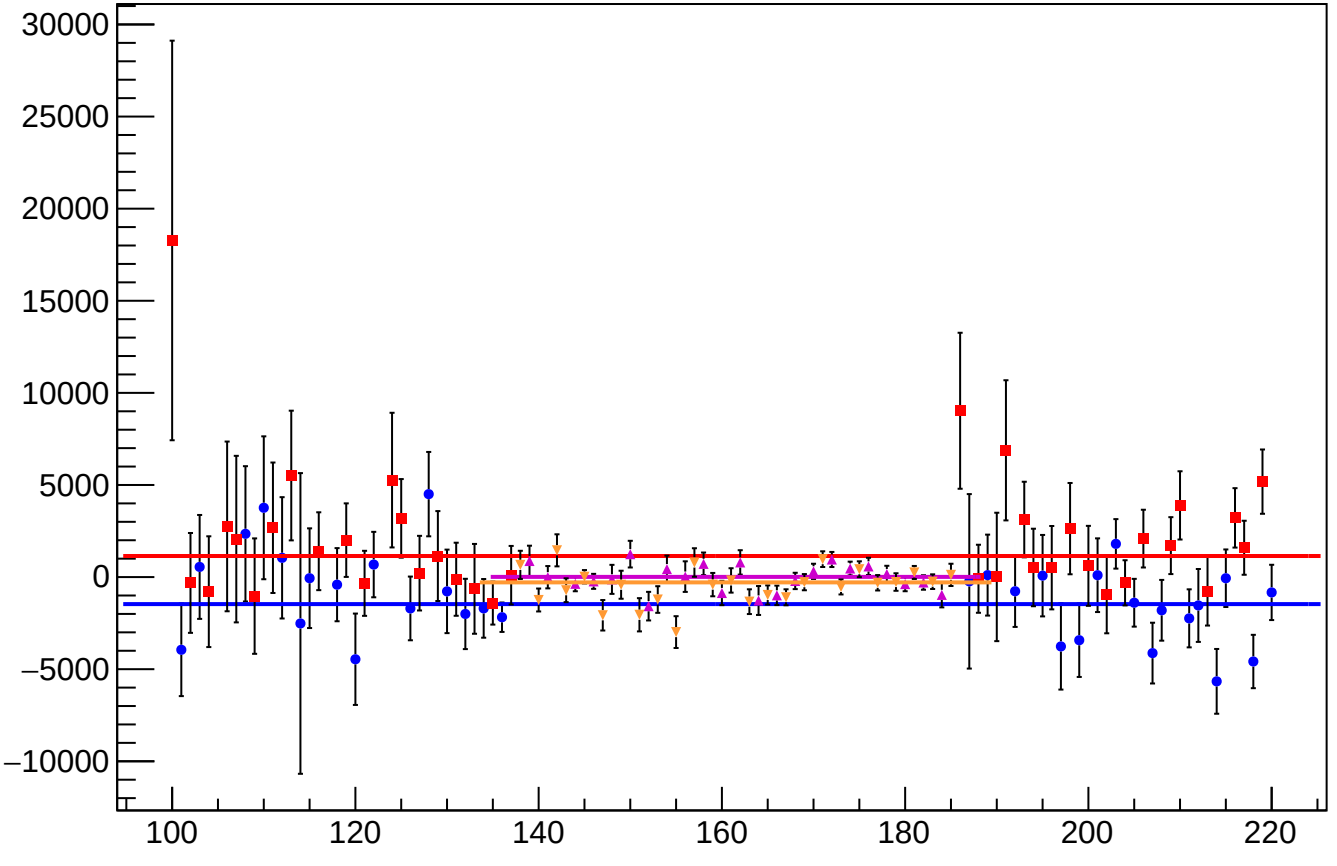
Right: 141.673+/-0.016 χ^2/NDF: 7647458.7/69

In: 90.583+/-0.011 χ^2/NDF:10109903.5/55

Out: 89.959+/-0.011 χ^2/NDF:12254572.6/61

All: 90.266+/-0.008 χ^2/NDF: 22366102.5/117

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1466.795+/-316.839 χ^2/NDF: 40.1/32

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 1143.985+/-339.484 χ^2/NDF: 36.1/36

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

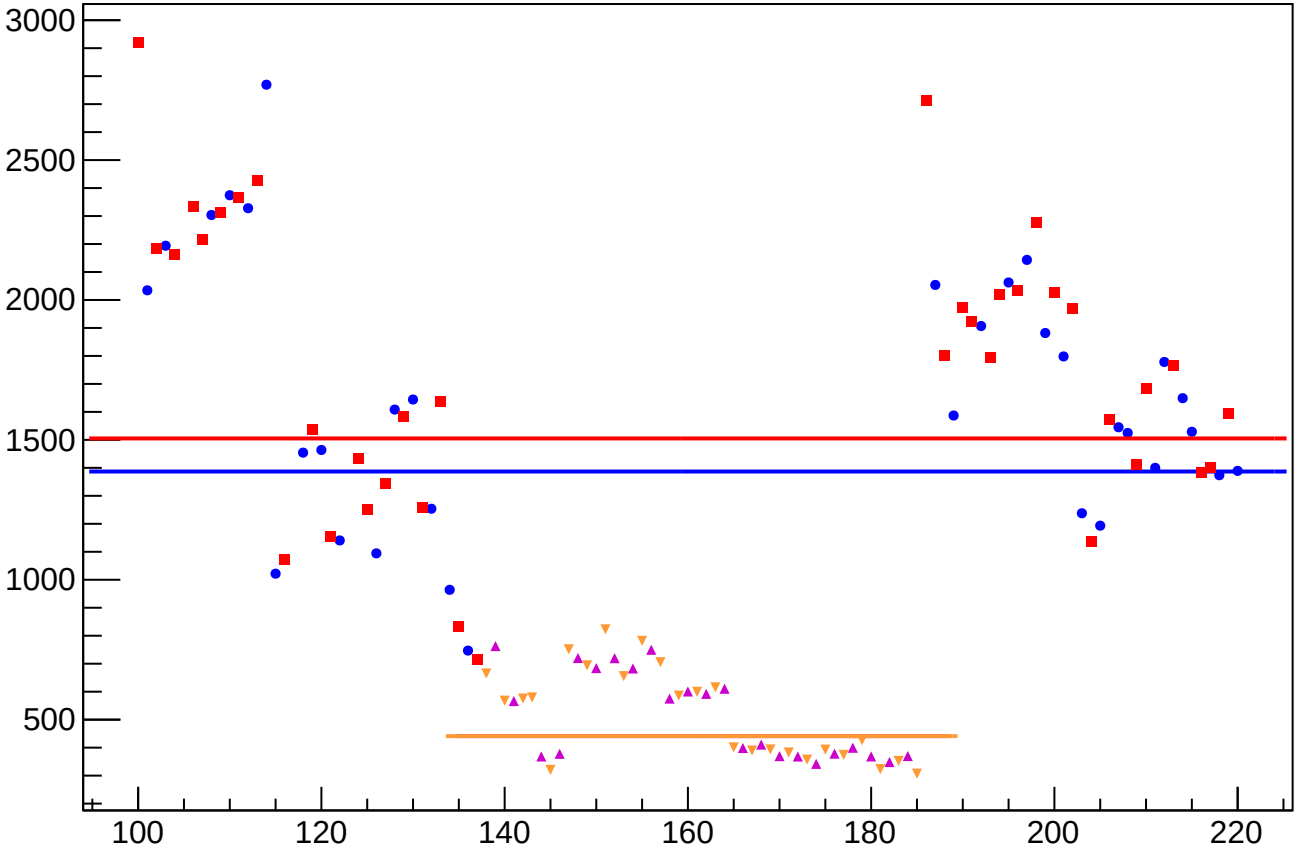
Right: -251.376+/-231.631 χ^2/NDF: 107.8/69

In: -142.308+/-101.944 χ^2/NDF:93.0/55

Out: -162.542+/-100.513 χ^2/NDF:105.6/61

All: -152.568+/-71.574 χ^2/NDF: 198.6/117

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1386.896+/-0.224 χ^2/NDF: 3433735.3/32

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

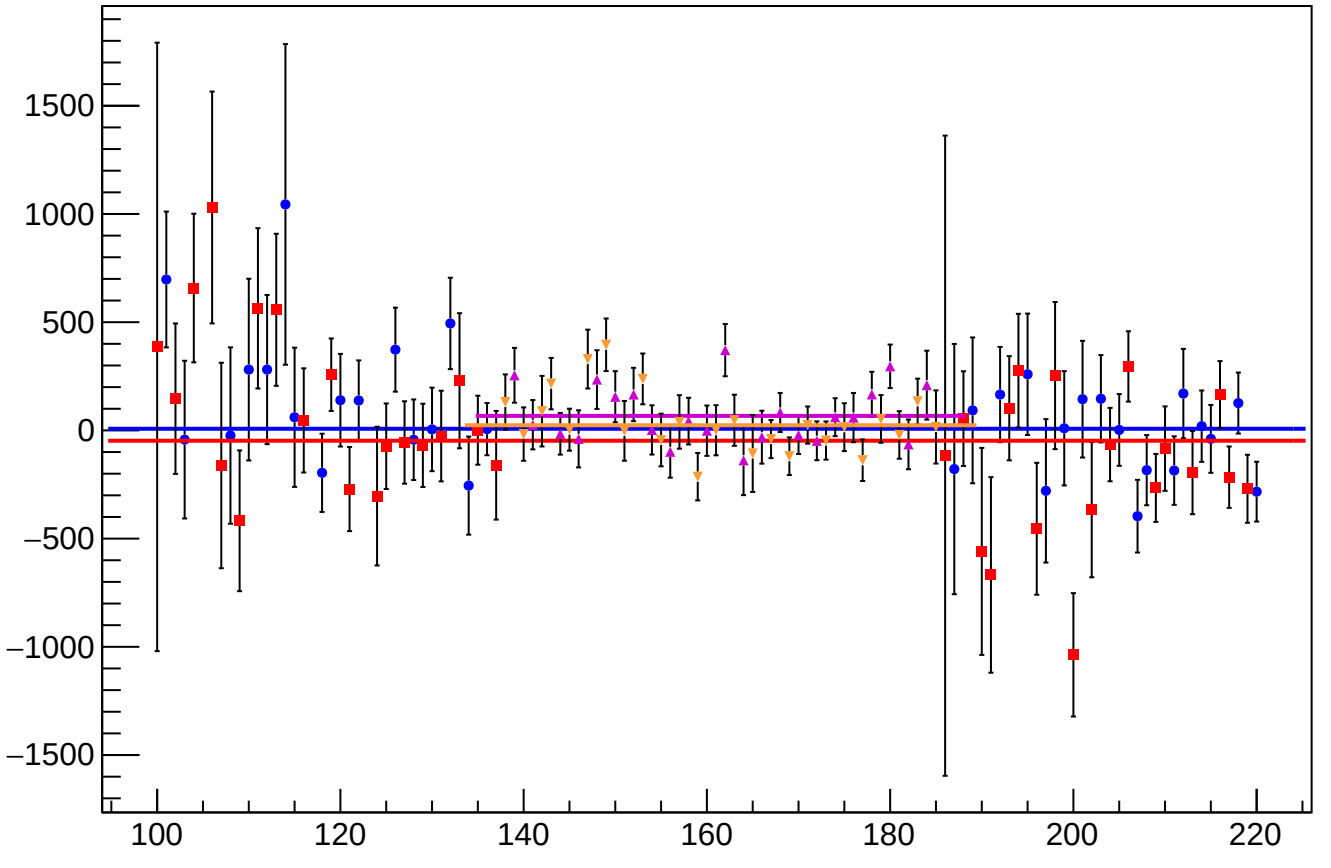
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1441.935+/-0.164 χ^2/NDF: 6947631.3/69

In: 539.100+/-0.072 χ^2/NDF:22089207.6/55

Out: 534.400+/-0.071 χ^2/NDF:24542543.9/61

All: 536.717+/-0.051 χ^2/NDF: 46633907.5/11



Right In: 7.573+/-35.710 χ^2/NDF: 37.8/32

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -47.656+/-37.518 χ^2/NDF: 55.4/36

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

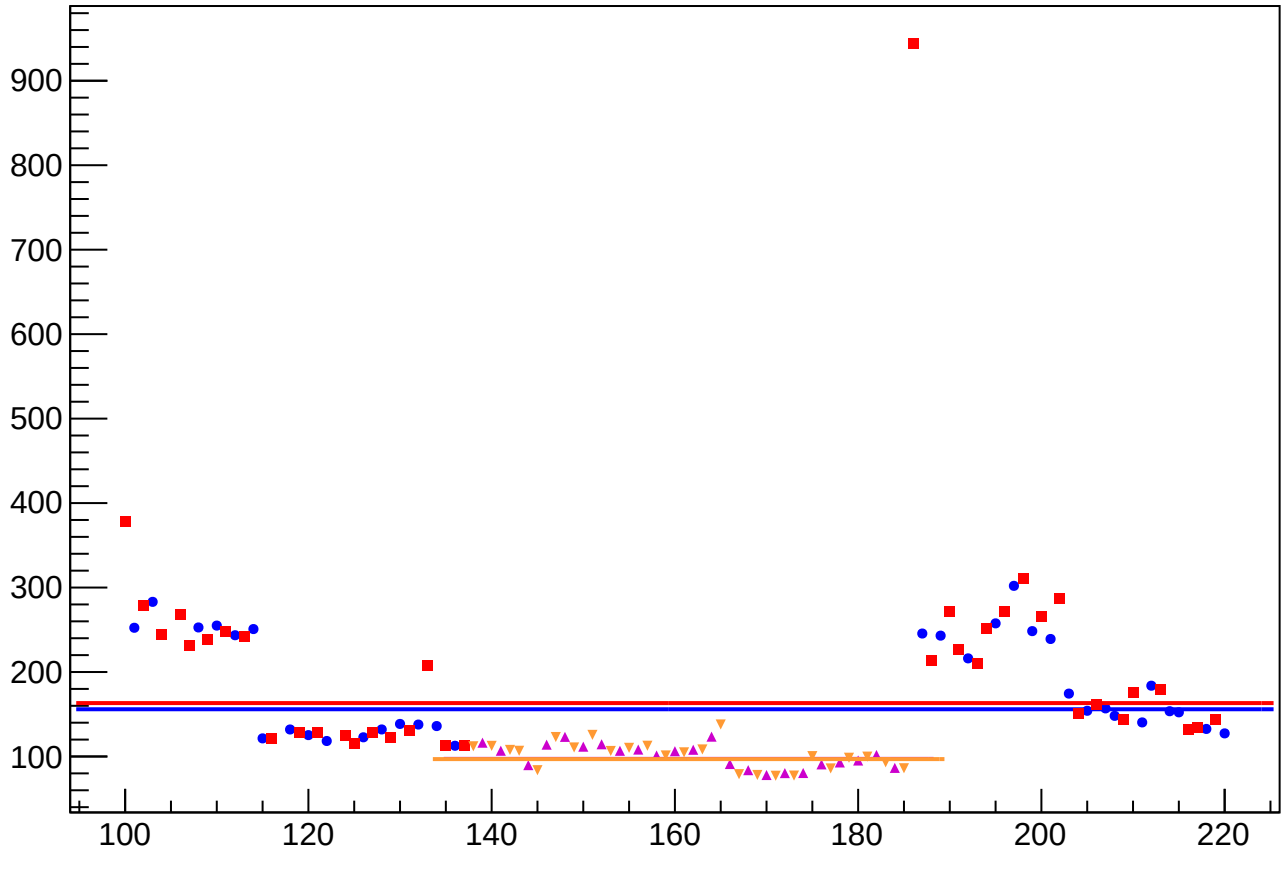
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: -18.679+/-25.866 χ^2/NDF: 94.3/69

In: 49.507+/-19.408 χ^2/NDF:68.4/55

Out: 5.059+/-19.242 χ^2/NDF:93.3/61

All: 27.091+/-13.664 χ^2/NDF: 164.3/117



Right In: 155.911+/-0.025 χ^2/NDF: 3034154.0/32

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 163.222+/-0.027 χ^2/NDF: 4250780.7/36

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

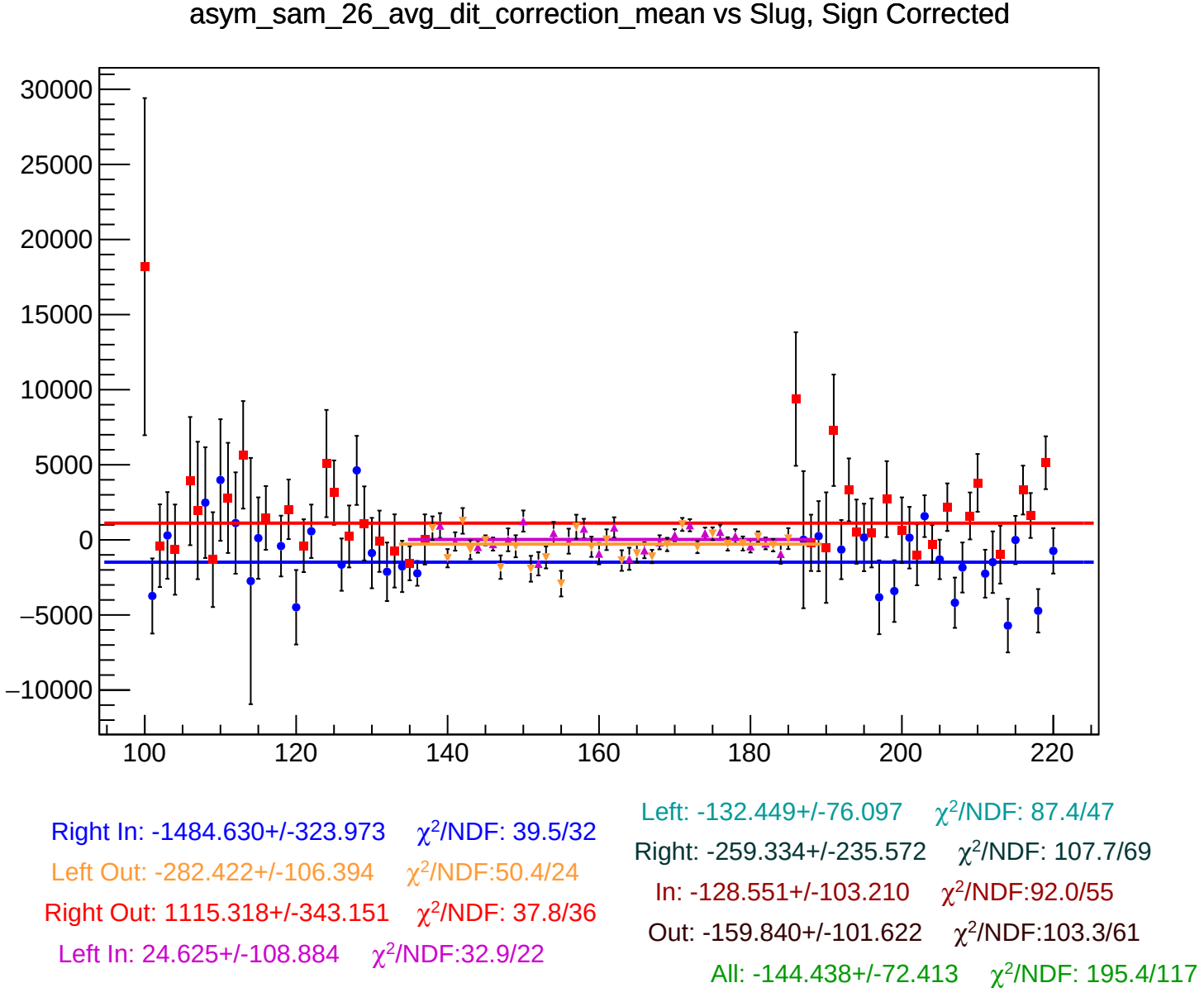
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

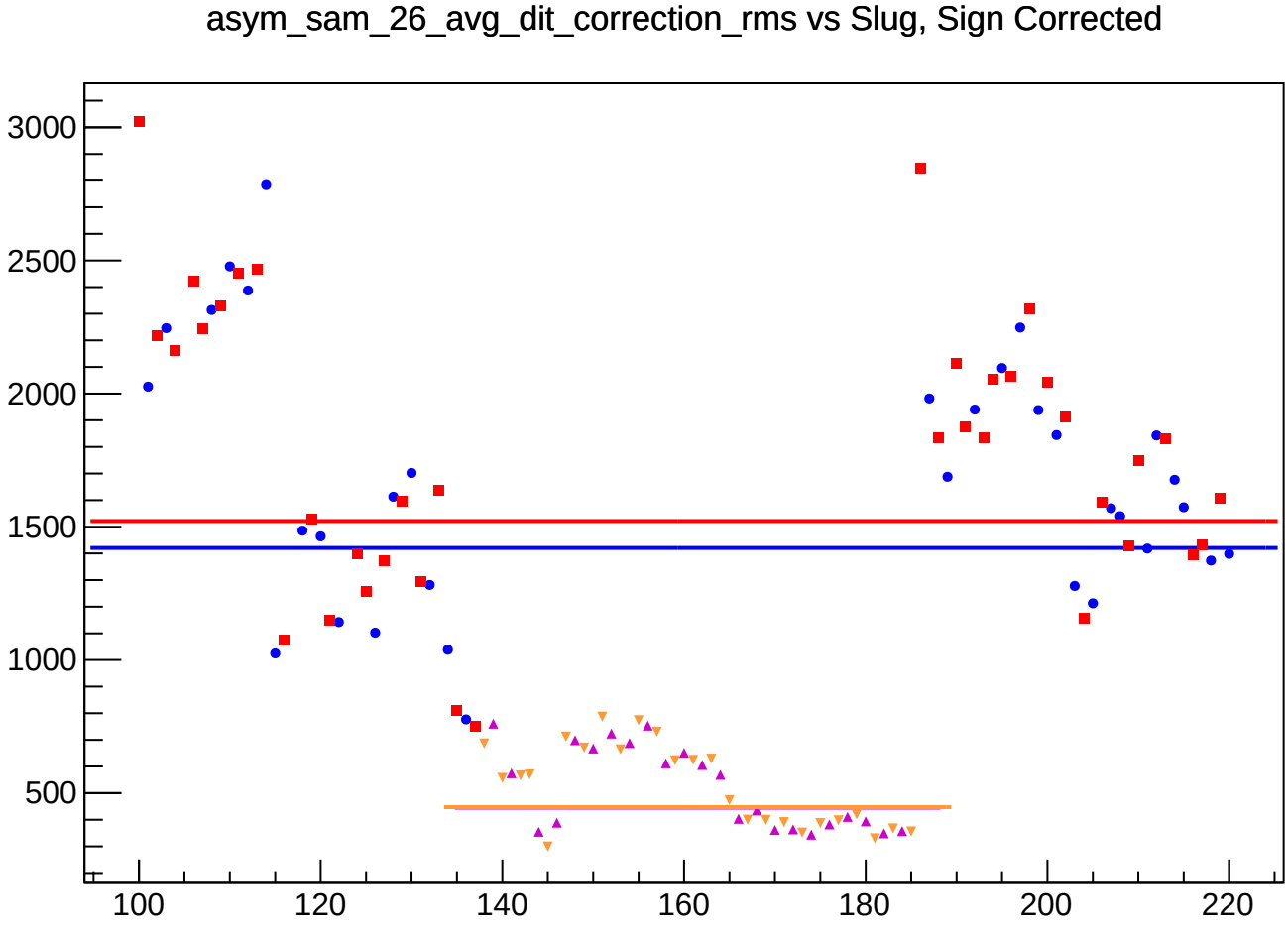
Right: 159.386+/-0.018 χ^2/NDF: 7324780.7/69

In: 114.519+/-0.014 χ^2/NDF:7522232.2/55

Out: 114.350+/-0.014 χ^2/NDF:9789647.6/61

All: 114.434+/-0.010 χ^2/NDF: 17311956.3/11


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1484.630+/-323.973 χ²/NDF: 39.5/32
Left Out: -282.422+/-106.394 χ²/NDF:50.4/24
Right Out: 1115.318+/-343.151 χ²/NDF: 37.8/36
Left In: 24.625+/-108.884 χ²/NDF:32.9/22
Left: -132.449+/-76.097 χ²/NDF: 87.4/47
Right: -259.334+/-235.572 χ²/NDF: 107.7/69
In: -128.551+/-103.210 χ²/NDF:92.0/55
Out: -159.840+/-101.622 χ²/NDF:103.3/61
All: -144.438+/-72.413 χ²/NDF: 195.4/117



Right In: 1420.550+/-0.229 χ^2/NDF: 3336566.5/32

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1521.678+/-0.243 χ^2/NDF: 3504199.7/36

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

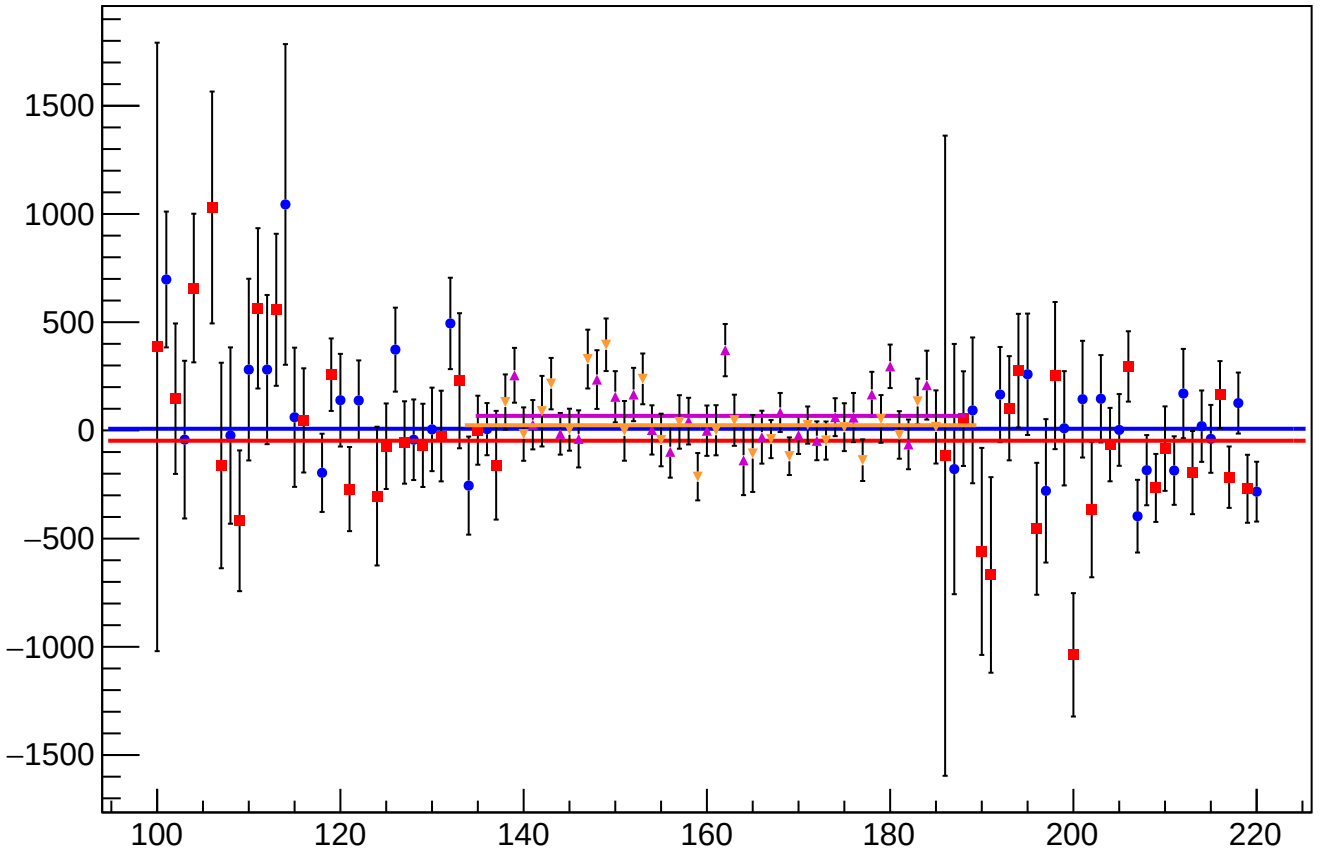
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1468.209+/-0.167 χ^2/NDF: 6932605.8/69

In: 544.451+/-0.073 χ^2/NDF:22327642.6/55

Out: 541.602+/-0.072 χ^2/NDF:24585037.3/61

All: 543.004+/-0.051 χ^2/NDF: 46913453.9/11



Right In: 7.577+/-35.710 χ^2/NDF: 37.8/32

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -47.657+/-37.518 χ^2/NDF: 55.4/36

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

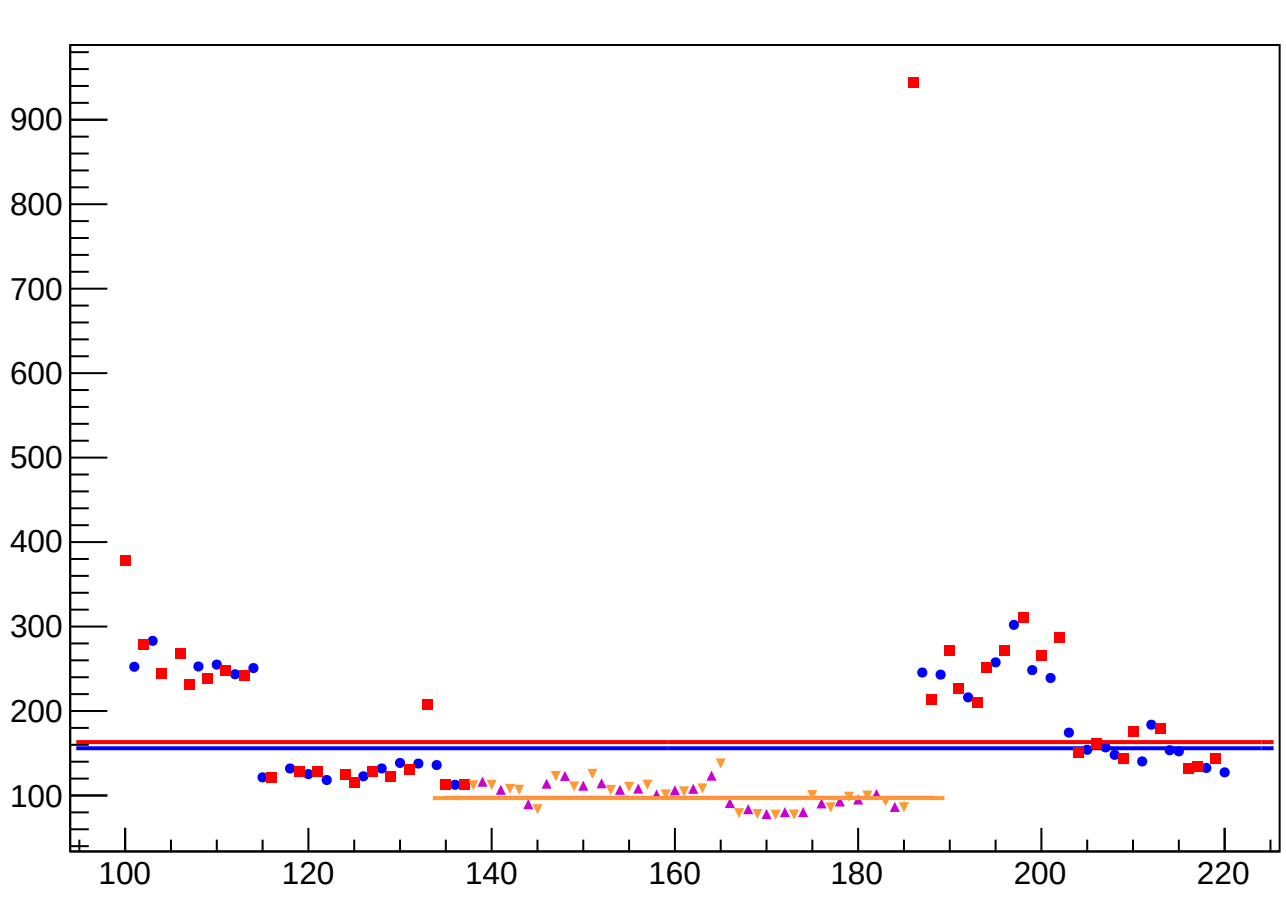
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -18.678+/-25.866 χ^2/NDF: 94.3/69

In: 49.507+/-19.408 χ^2/NDF:68.4/55

Out: 5.057+/-19.242 χ^2/NDF:93.3/61

All: 27.091+/-13.664 χ^2/NDF: 164.3/117



Right In: 155.910+/-0.025 χ^2/NDF: 3034161.5/32

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 163.221+/-0.027 χ^2/NDF: 4250784.4/36

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

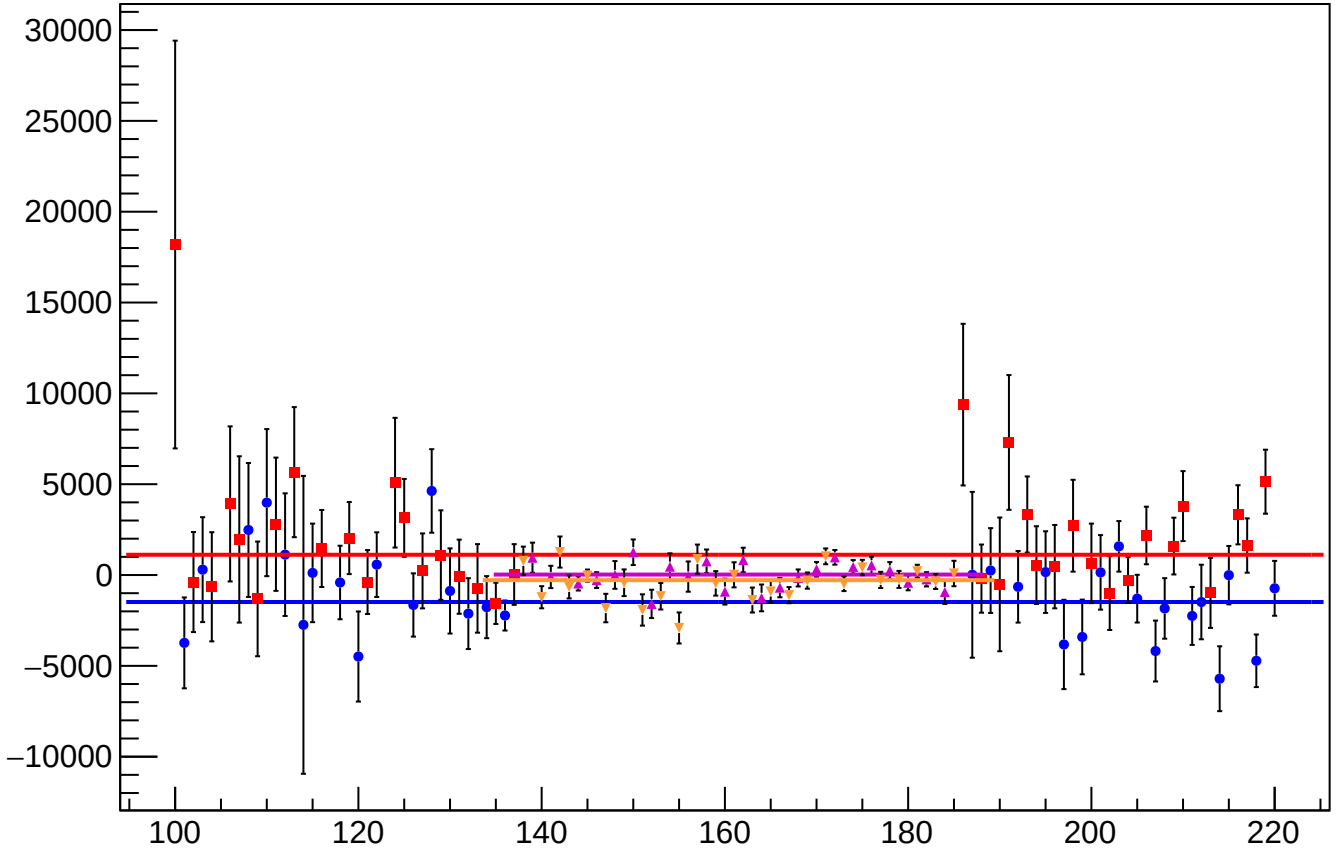
Right: 159.386+/-0.018 χ^2/NDF: 7324793.2/69

In: 114.519+/-0.014 χ^2/NDF:7522139.8/55

Out: 114.350+/-0.014 χ^2/NDF:9789580.6/61

All: 114.434+/-0.010 χ^2/NDF: 17311796.9/1

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1484.629+/-323.973 χ^2/NDF: 39.5/32

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 1115.318+/-343.151 χ^2/NDF: 37.8/36

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

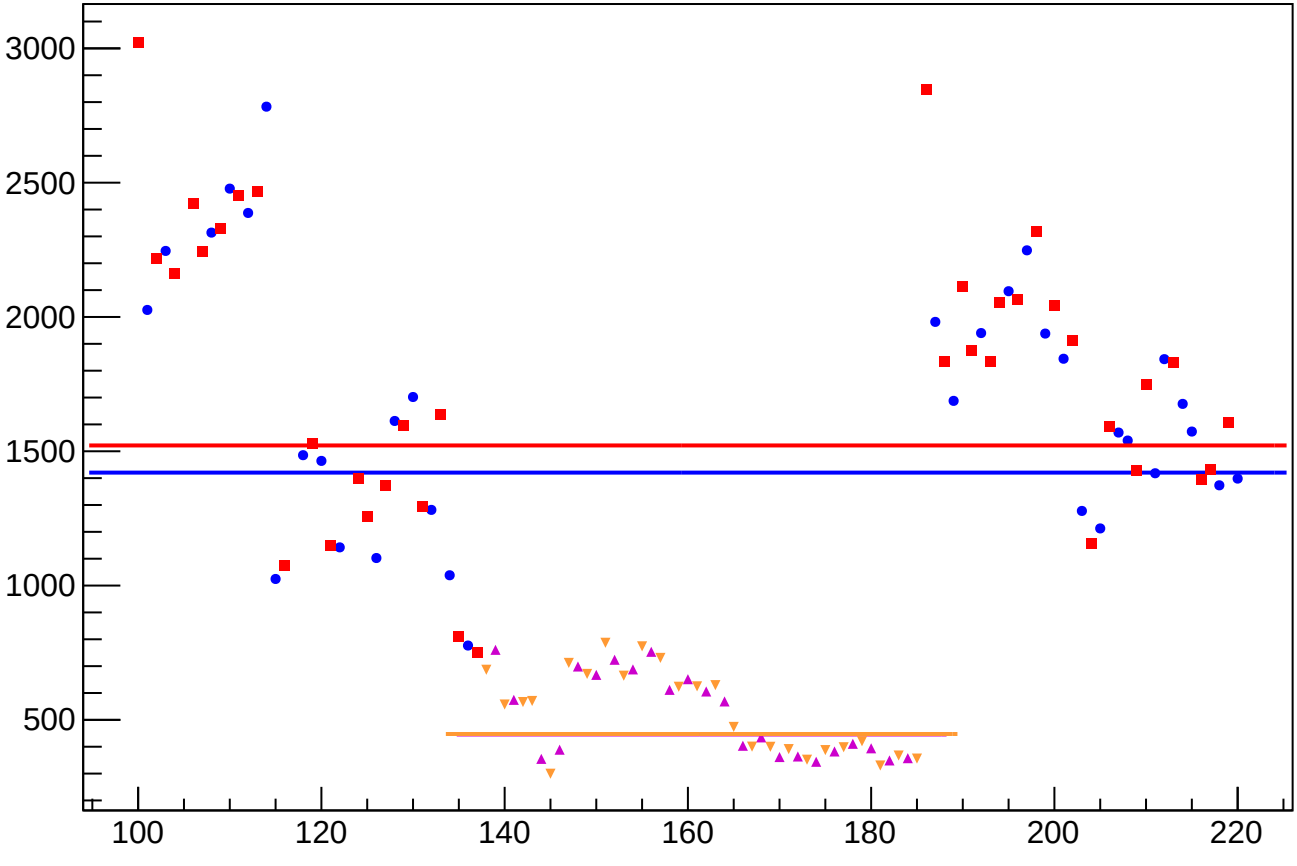
Right: -259.333+/-235.572 χ^2/NDF: 107.7/69

In: -128.550+/-103.210 χ^2/NDF:92.0/55

Out: -159.839+/-101.622 χ^2/NDF:103.3/61

All: -144.437+/-72.413 χ^2/NDF: 195.4/117

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1420.549+/-0.229 χ^2/NDF: 3336547.4/32

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1521.678+/-0.243 χ^2/NDF: 3504181.0/36

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

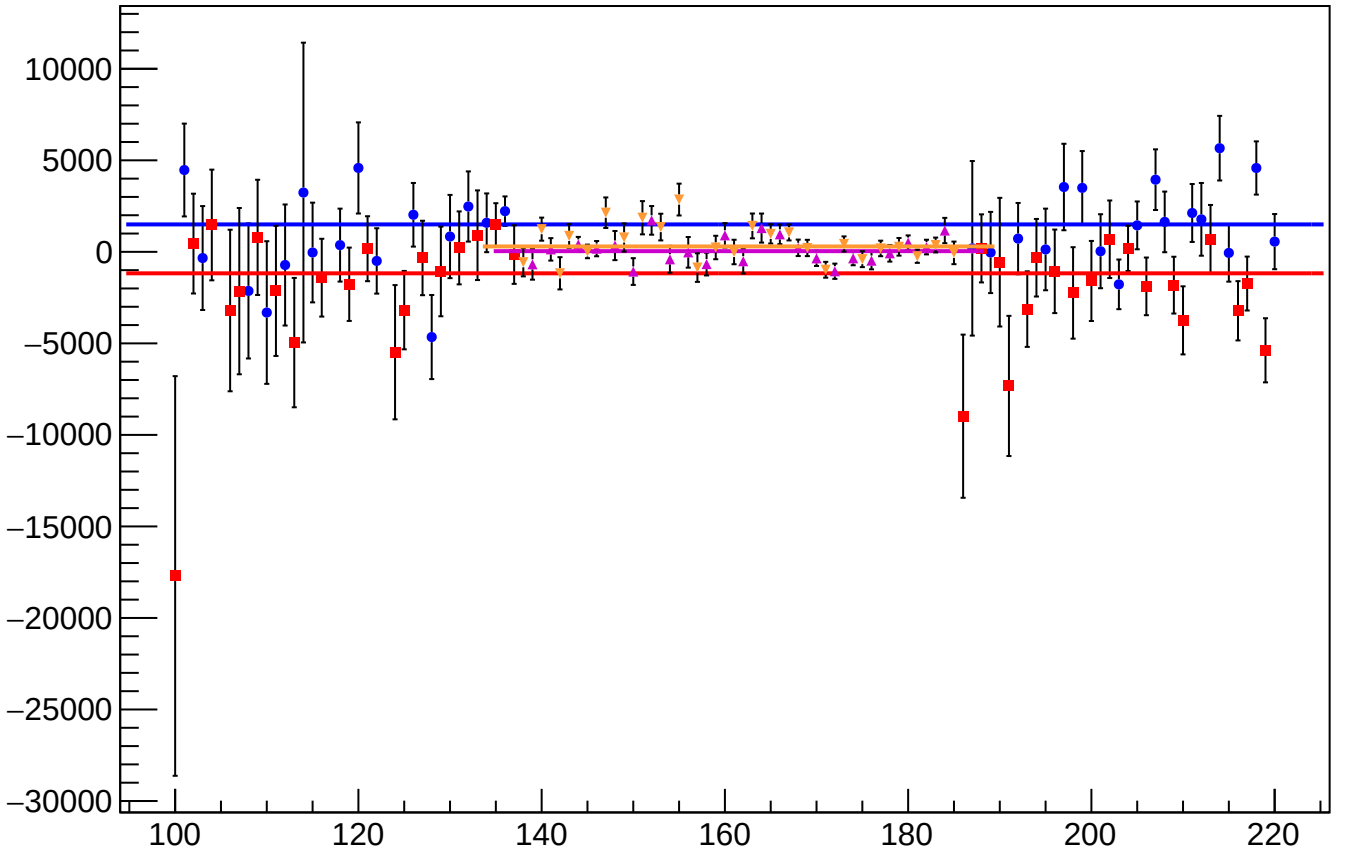
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1468.209+/-0.167 χ^2/NDF: 6932568.8/69

In: 544.451+/-0.073 χ^2/NDF:22327651.0/55

Out: 541.601+/-0.072 χ^2/NDF:24585068.7/61

All: 543.004+/-0.051 χ^2/NDF: 46913493.7/11



Right In: 1498.701+/-318.798 χ^2/NDF: 39.6/32

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -1173.079+/-341.367 χ^2/NDF: 35.4/36

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

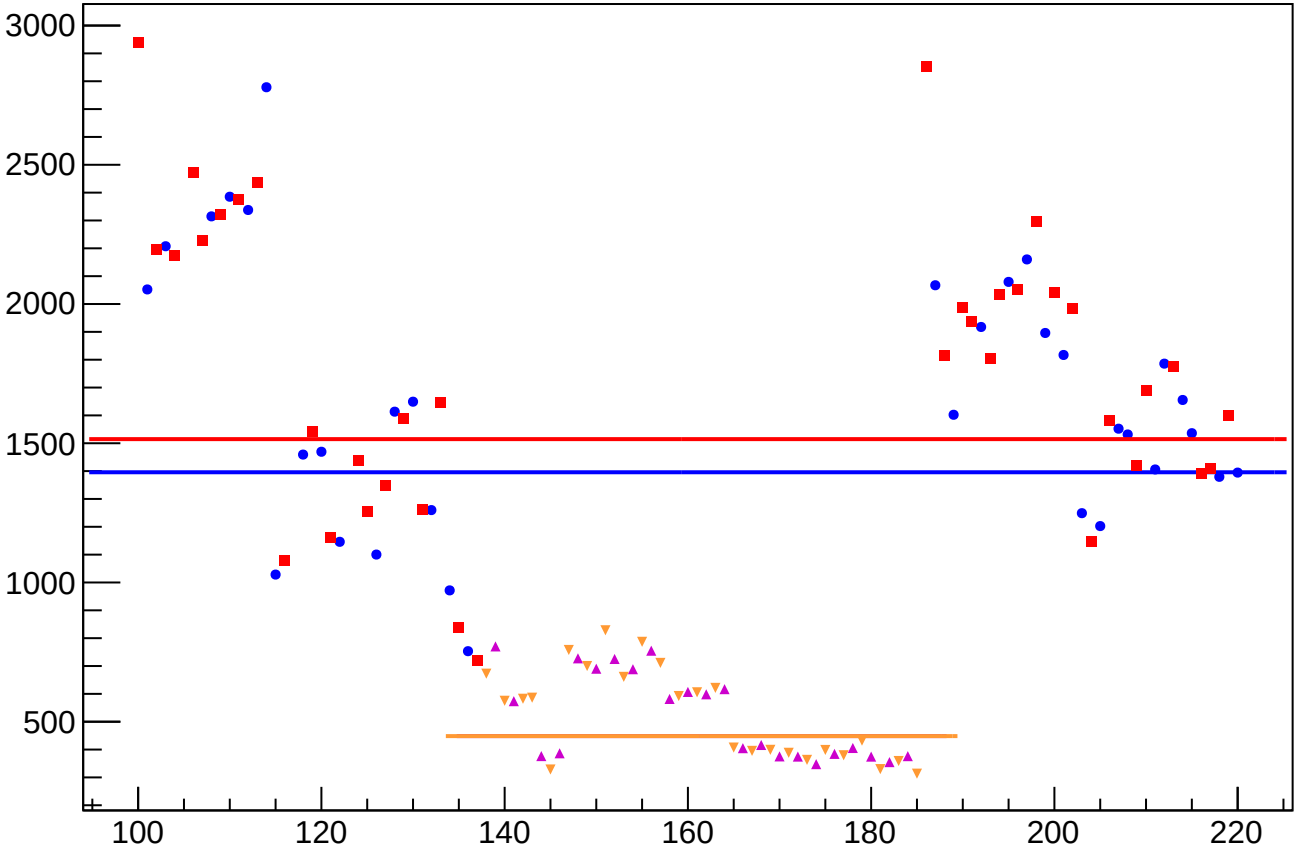
Right: 254.047+/-232.995 χ^2/NDF: 107.7/69

In: 191.775+/-103.405 χ^2/NDF:91.3/55

Out: 164.098+/-101.937 χ^2/NDF:102.7/61

All: 177.739+/-72.594 χ^2/NDF: 194.1/117

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1395.798+/-0.225 χ^2/NDF: 3418044.3/32

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1514.806+/-0.241 χ^2/NDF: 3431858.9/36

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

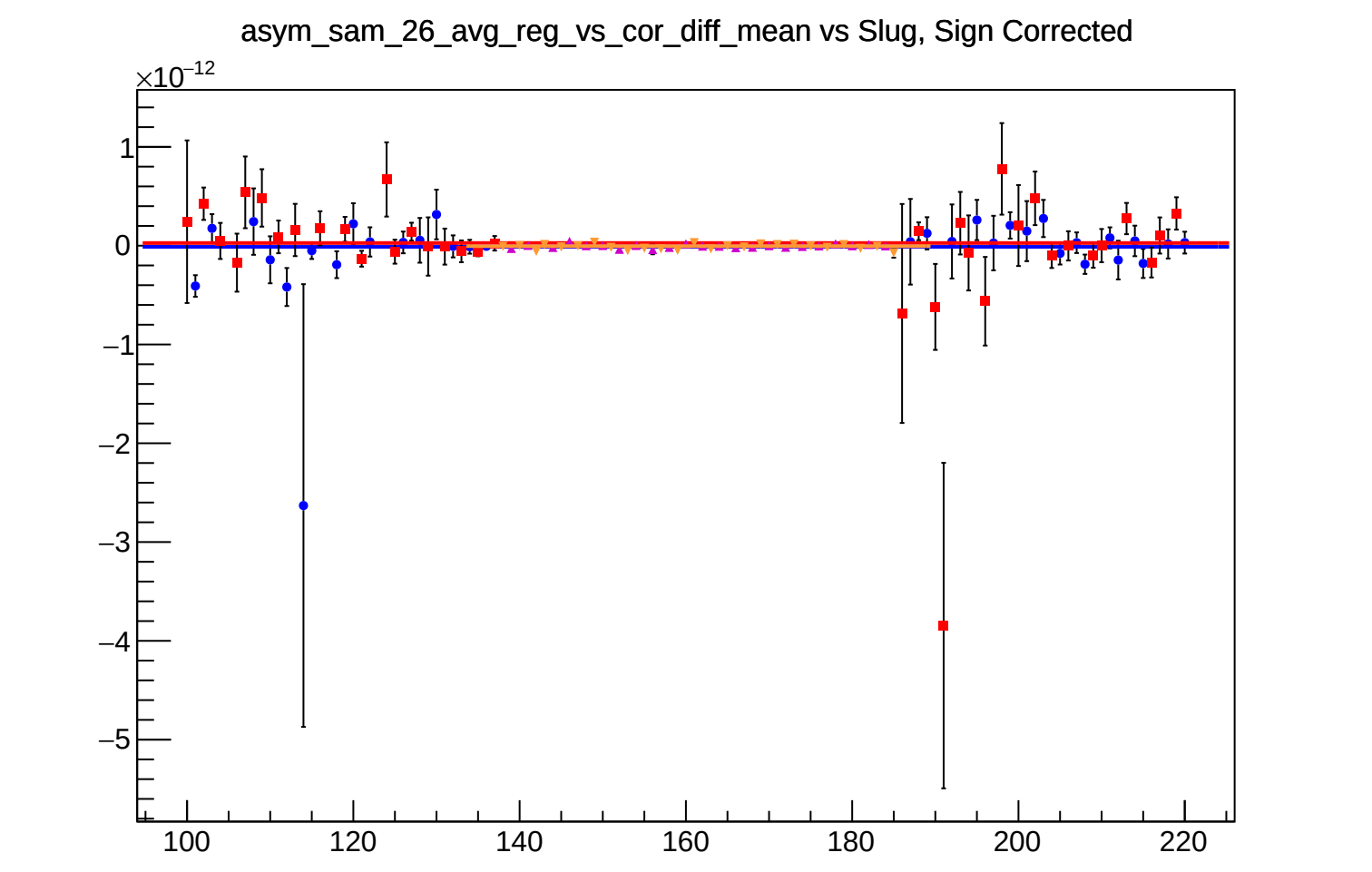
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1451.238+/-0.165 χ^2/NDF: 6979738.7/69

In: 548.072+/-0.073 χ^2/NDF:21843599.3/55

Out: 543.380+/-0.072 χ^2/NDF:24370222.5/61

All: 545.693+/-0.051 χ^2/NDF: 46215910.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 41.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.1/36

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

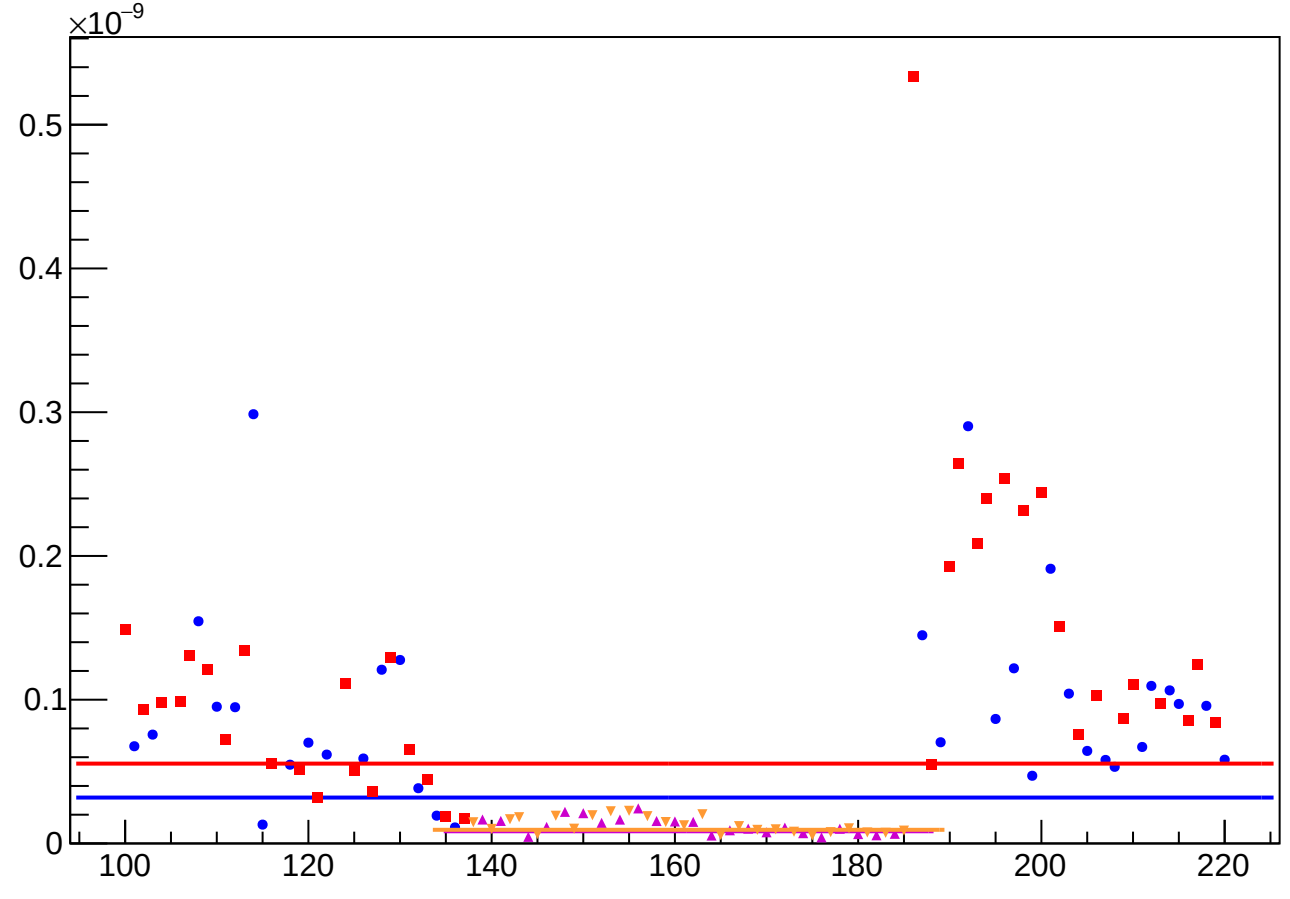
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: 0.000+/-0.000 χ^2/NDF: 96.3/69

In: -0.000+/-0.000 χ^2/NDF:58.2/55

Out: -0.000+/-0.000 χ^2/NDF:78.1/61

All: -0.000+/-0.000 χ^2/NDF: 136.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 8820838.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6843317.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

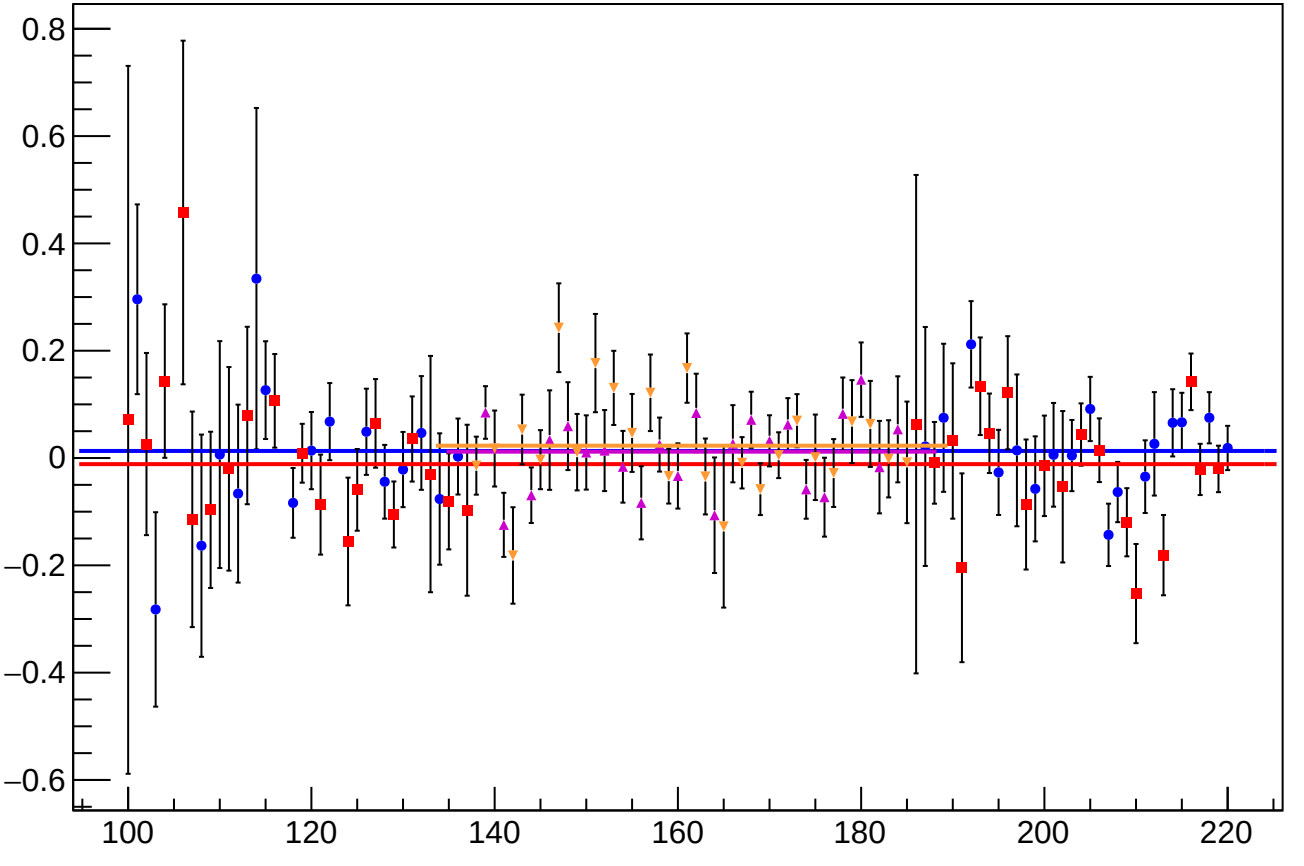
Right: 0.000+/-0.000 χ^2/NDF: 17066124.4/69

In: 0.000+/-0.000 χ^2/NDF:15664506.7/55

Out: 0.000+/-0.000 χ^2/NDF:16880230.9/61

All: 0.000+/-0.000 χ^2/NDF: 32618924.9/117

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 35.1/32

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

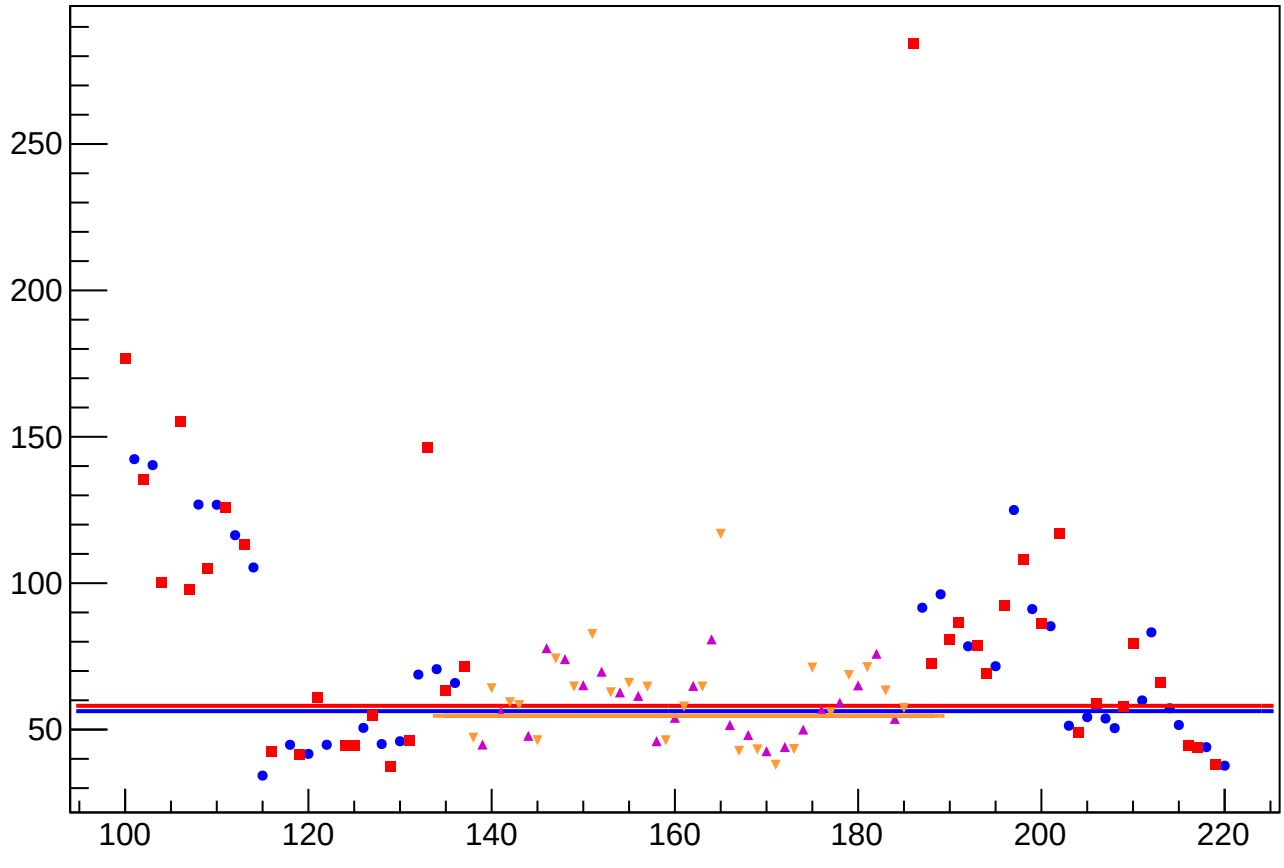
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.001+/-0.010 χ^2/NDF: 80.9/69

In: 0.013+/-0.009 χ^2/NDF:61.0/55

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.010+/-0.007 χ^2/NDF: 142.8/117



Right In: 56.292+/-0.010 χ^2/NDF: 4284935.5/32

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

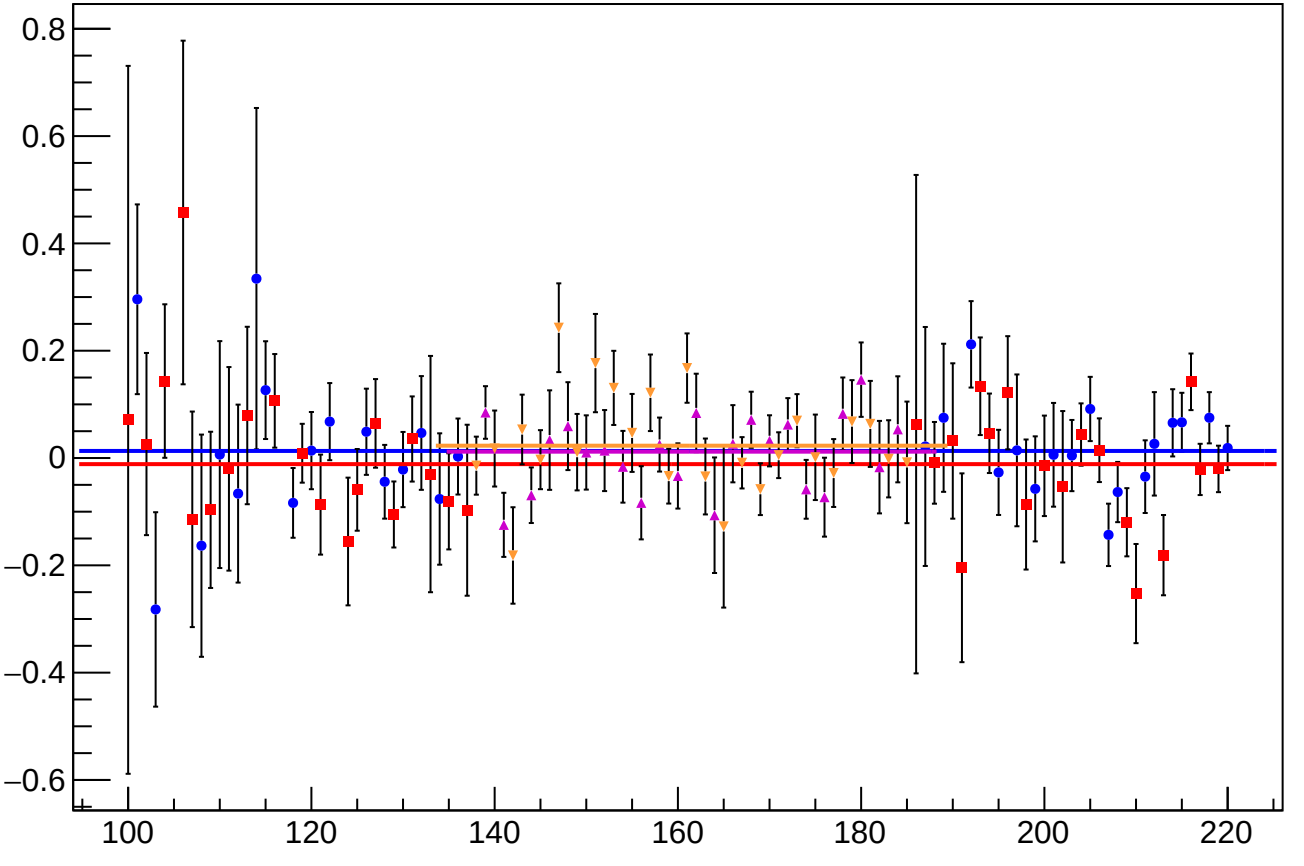
Right: 57.168+/-0.007 χ^2/NDF: 9646155.1/69

In: 55.479+/-0.007 χ^2/NDF:5490150.2/55

Out: 56.268+/-0.007 χ^2/NDF:7344992.0/61

All: 55.872+/-0.005 χ^2/NDF: 12842109.3/117

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 35.1/32

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

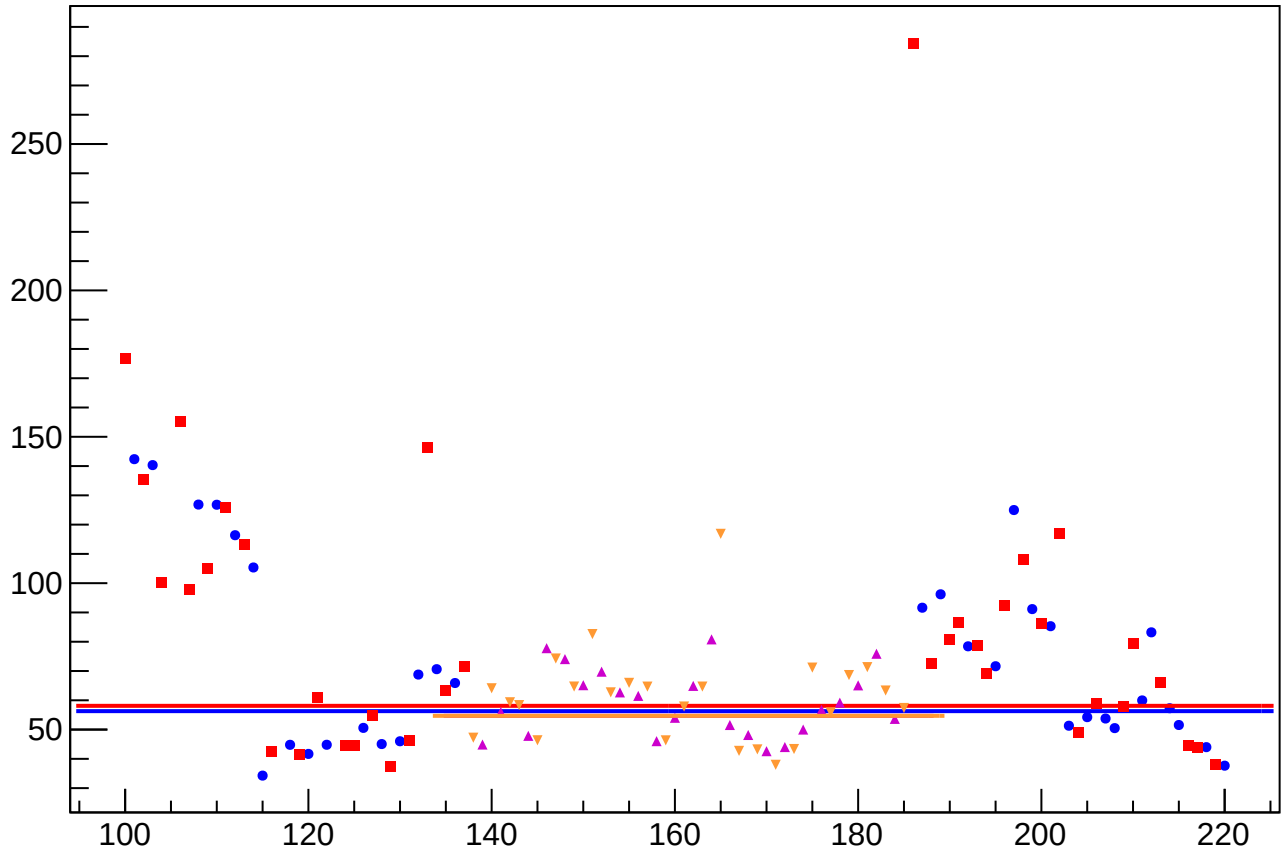
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.001+/-0.010 χ^2/NDF: 80.9/69

In: 0.013+/-0.009 χ^2/NDF:61.0/55

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.010+/-0.007 χ^2/NDF: 142.8/117



Right In: 56.292+/-0.010 χ^2/NDF: 4284935.5/32

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

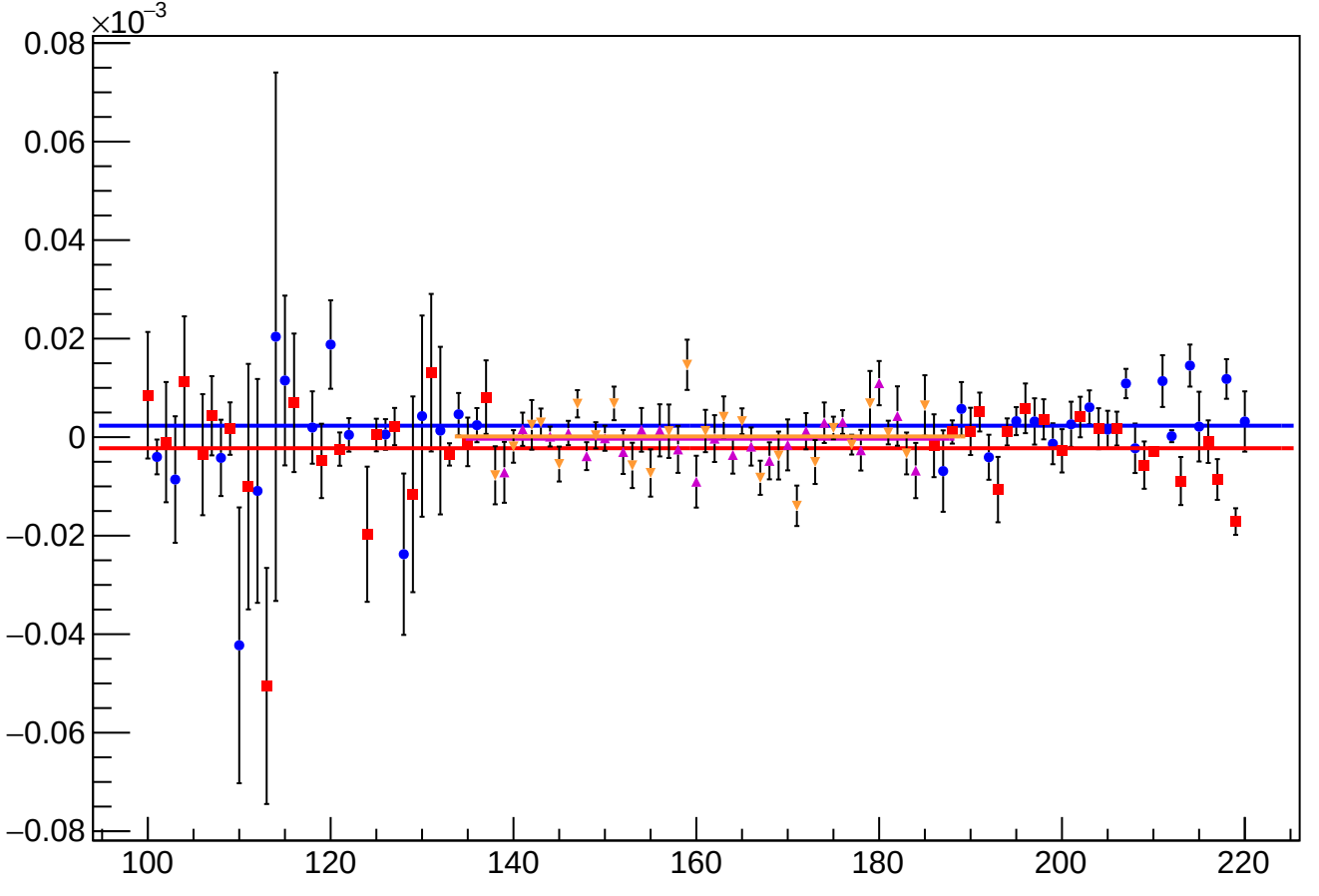
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 57.168+/-0.007 χ^2/NDF: 9646155.1/69

In: 55.479+/-0.007 χ^2/NDF:5490150.2/55

Out: 56.268+/-0.007 χ^2/NDF:7344992.0/61

All: 55.872+/-0.005 χ^2/NDF: 12842109.3/117



Right In: 0.000+/-0.000 χ^2/NDF: 49.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 68.9/36

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

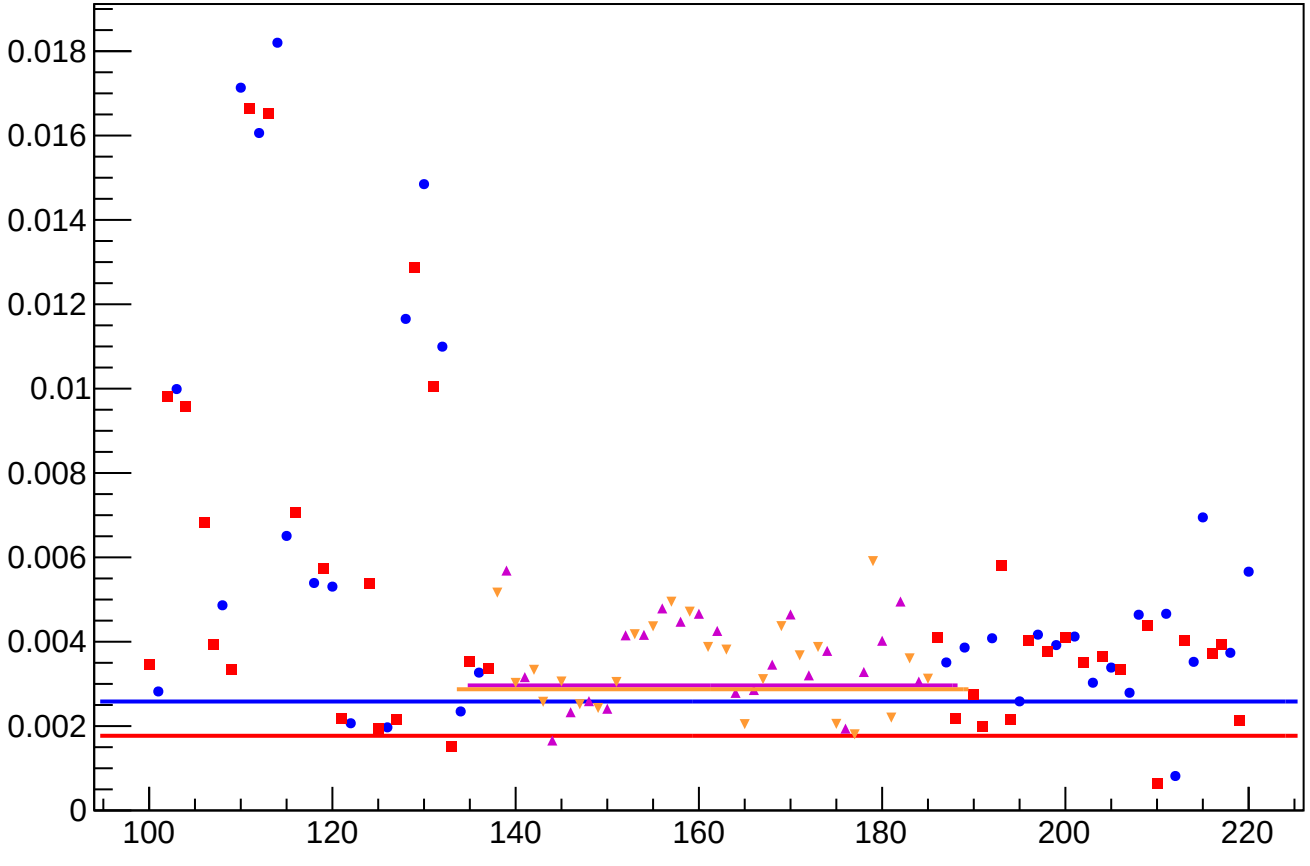
Right: -0.000+/-0.000 χ^2/NDF: 145.5/69

In: 0.000+/-0.000 χ^2/NDF:76.7/55

Out: -0.000+/-0.000 χ^2/NDF:130.2/61

All: -0.000+/-0.000 χ^2/NDF: 220.8/117

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 12419756.2/32

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 16794861.6/36

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

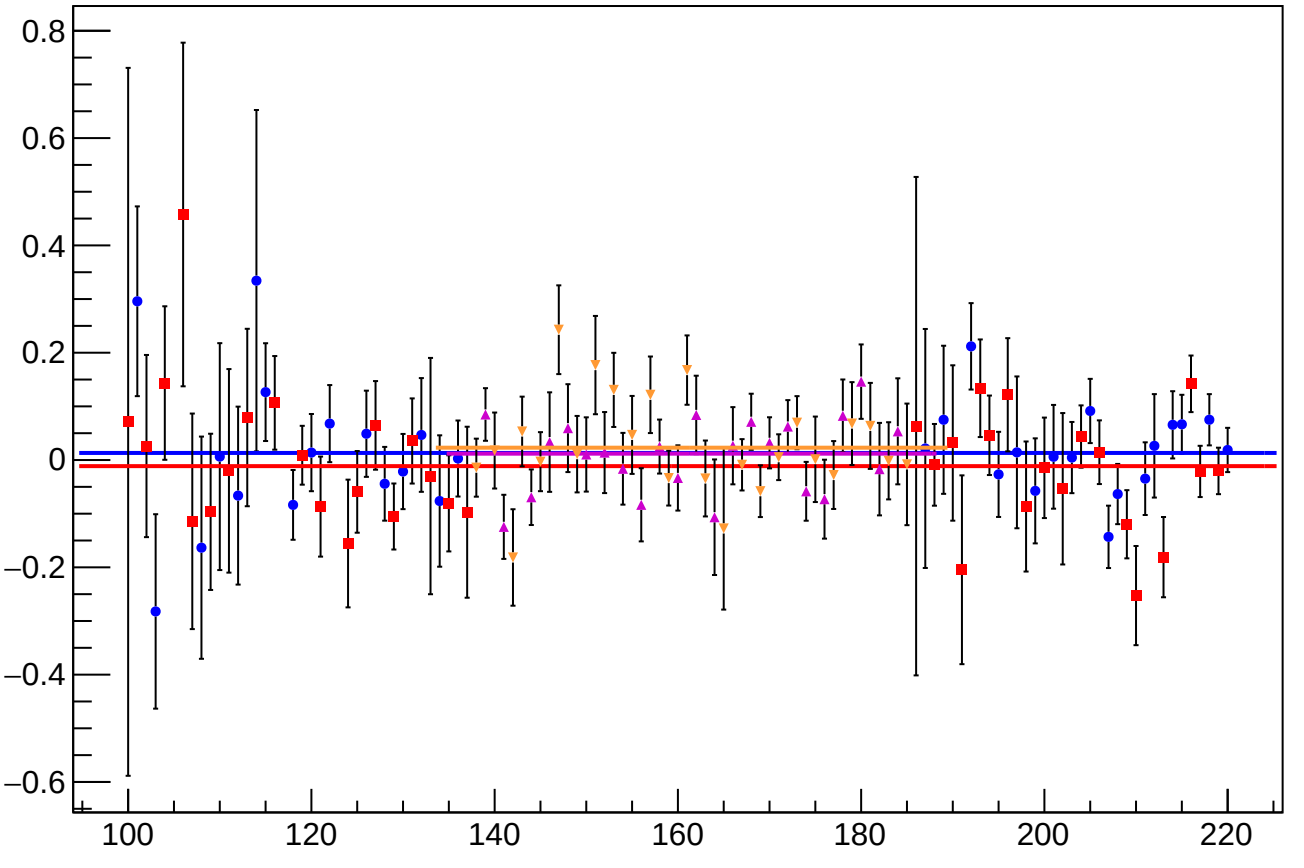
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.002+/-0.000 χ^2/NDF: 30933094.7/69

In: 0.003+/-0.000 χ^2/NDF:16314631.0/55

Out: 0.002+/-0.000 χ^2/NDF:23621396.3/61

All: 0.002+/-0.000 χ^2/NDF: 41511194.3/117



Right In: 0.013+/-0.013 χ^2/NDF: 35.1/32

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

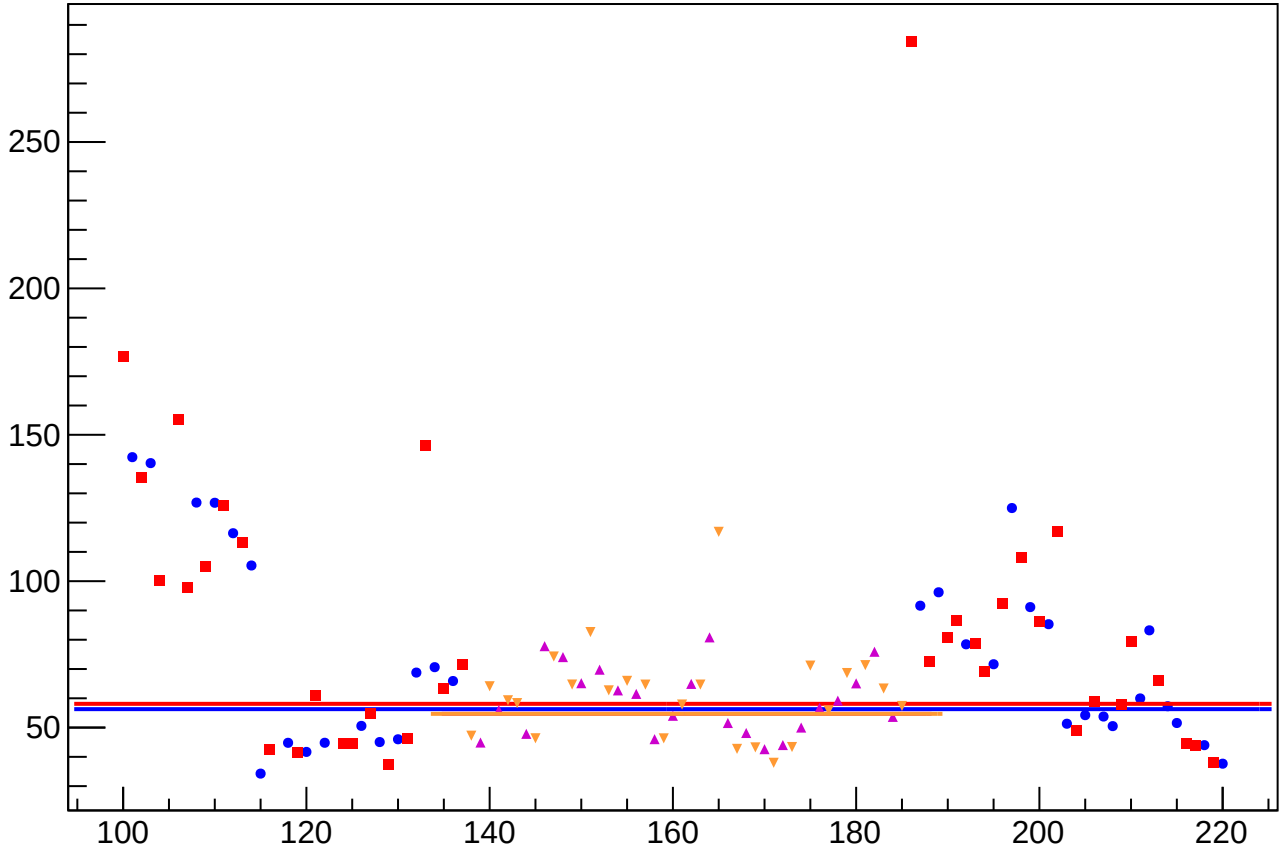
Right: 0.001+/-0.010 χ^2/NDF: 80.9/69

In: 0.013+/-0.009 χ^2/NDF:61.0/55

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.010+/-0.007 χ^2/NDF: 142.8/117

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.292+/-0.010 χ^2/NDF: 4284953.4/32

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

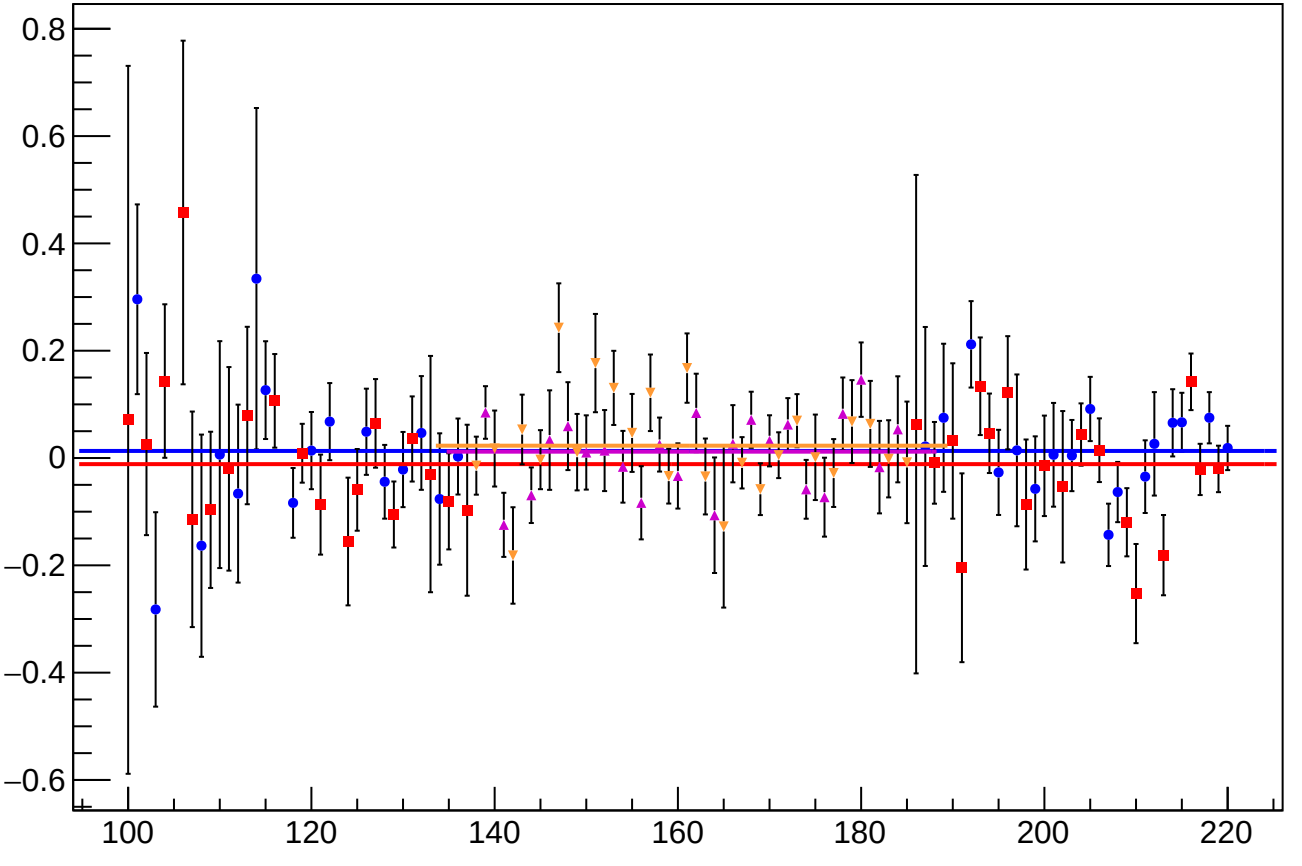
Right: 57.167+/-0.007 χ^2/NDF: 9646237.0/69

In: 55.479+/-0.007 χ^2/NDF:5490121.6/55

Out: 56.268+/-0.007 χ^2/NDF:7345020.8/61

All: 55.872+/-0.005 χ^2/NDF: 12842107.1/117

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 35.1/32

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

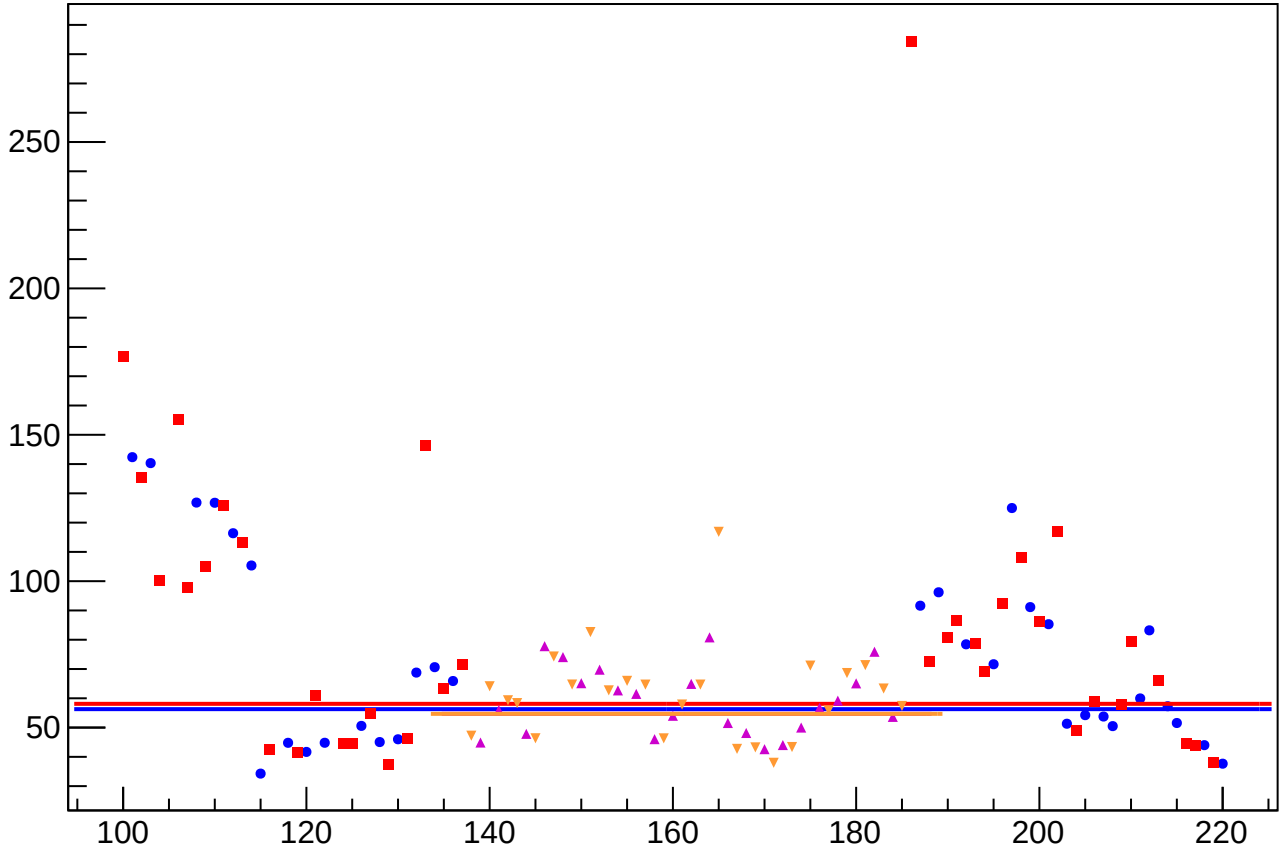
Right: 0.001+/-0.010 χ^2/NDF: 80.9/69

In: 0.013+/-0.009 χ^2/NDF:61.0/55

Out: 0.007+/-0.009 χ^2/NDF:81.7/61

All: 0.010+/-0.007 χ^2/NDF: 142.8/117

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.292+/-0.010 χ^2/NDF: 4284953.4/32

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

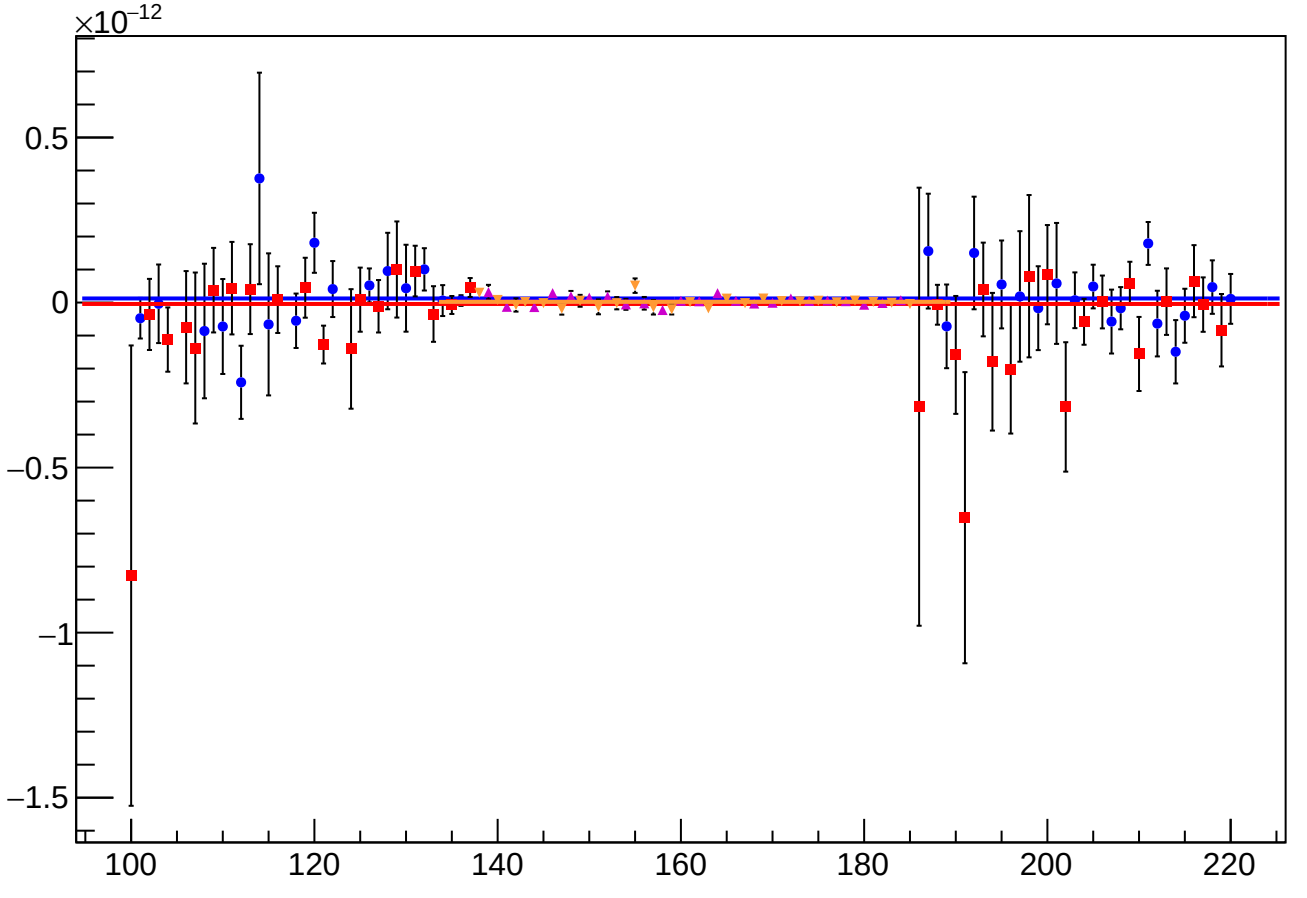
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 57.167+/-0.007 χ^2/NDF: 9646237.0/69

In: 55.479+/-0.007 χ^2/NDF:5490121.6/55

Out: 56.268+/-0.007 χ^2/NDF:7345020.8/61

All: 55.872+/-0.005 χ^2/NDF: 12842107.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/36

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

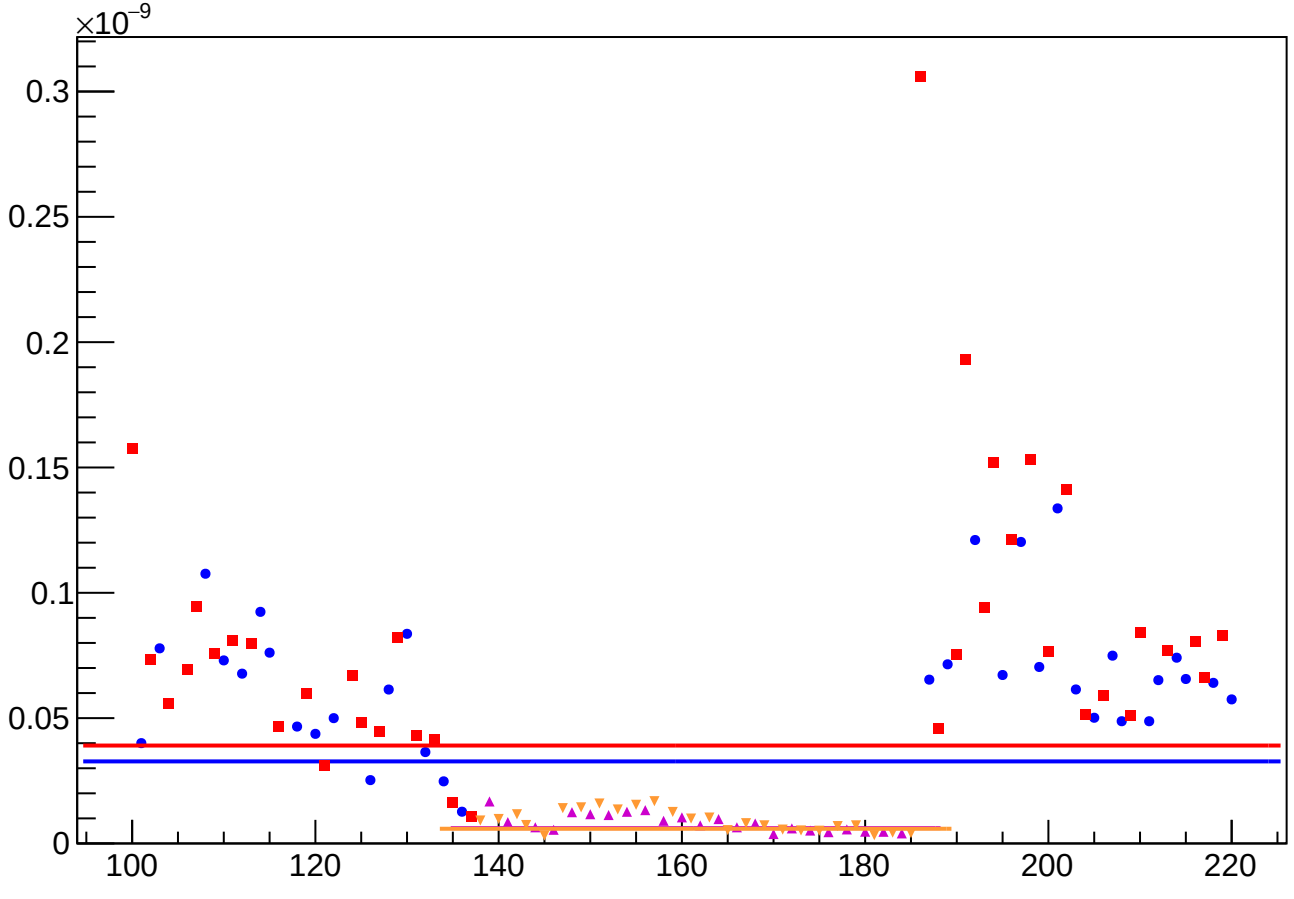
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 56.9/69

In: 0.000+/-0.000 χ^2/NDF:63.1/55

Out: 0.000+/-0.000 χ^2/NDF:47.7/61

All: 0.000+/-0.000 χ^2/NDF: 110.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 9386346.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9505834.6/36

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

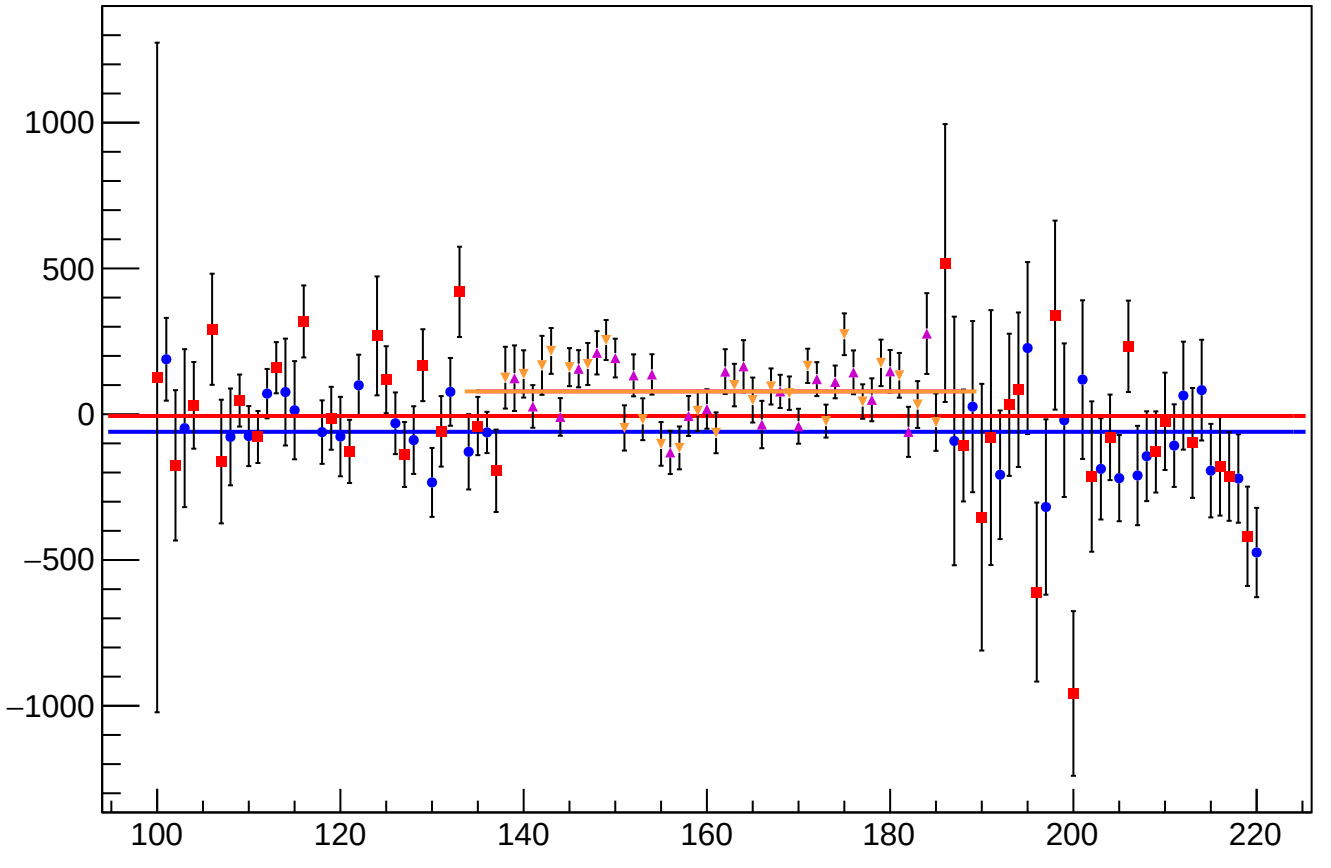
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 19158739.1/69

In: 0.000+/-0.000 χ^2/NDF:23574761.6/55

Out: 0.000+/-0.000 χ^2/NDF:27492802.2/61

All: 0.000+/-0.000 χ^2/NDF: 51108264.1/117



Right In: -60.304+/-24.416 χ^2/NDF: 28.3/32

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -5.983+/-24.461 χ^2/NDF: 63.9/36

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

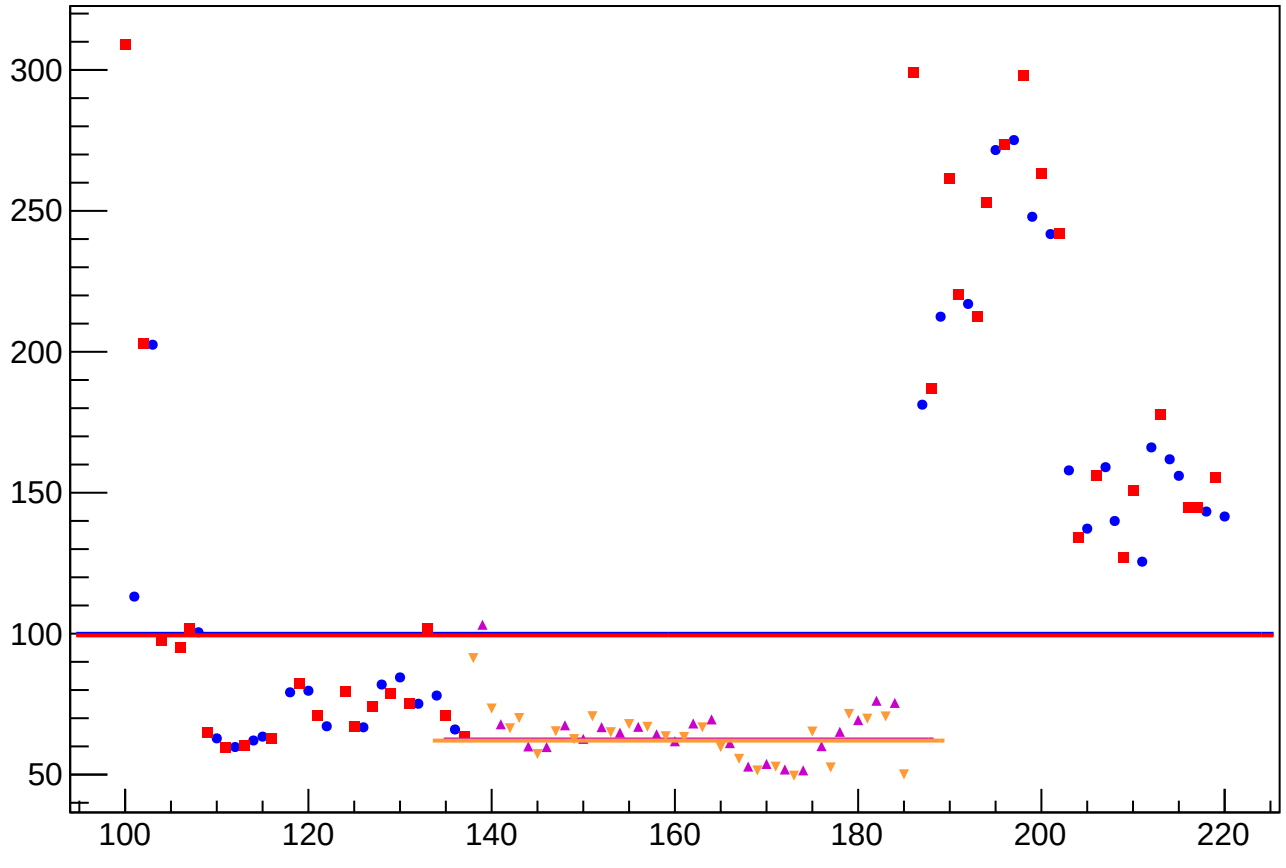
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -33.194+/-17.281 χ^2/NDF: 94.7/69

In: 41.166+/-12.663 χ^2/NDF:88.6/55

Out: 56.670+/-12.362 χ^2/NDF:126.6/61

All: 49.105+/-8.846 χ^2/NDF: 215.9/117



Right In: 99.944+/-0.017 χ^2/NDF: 7712715.2/32

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.386+/-0.017 χ^2/NDF: 9029995.2/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

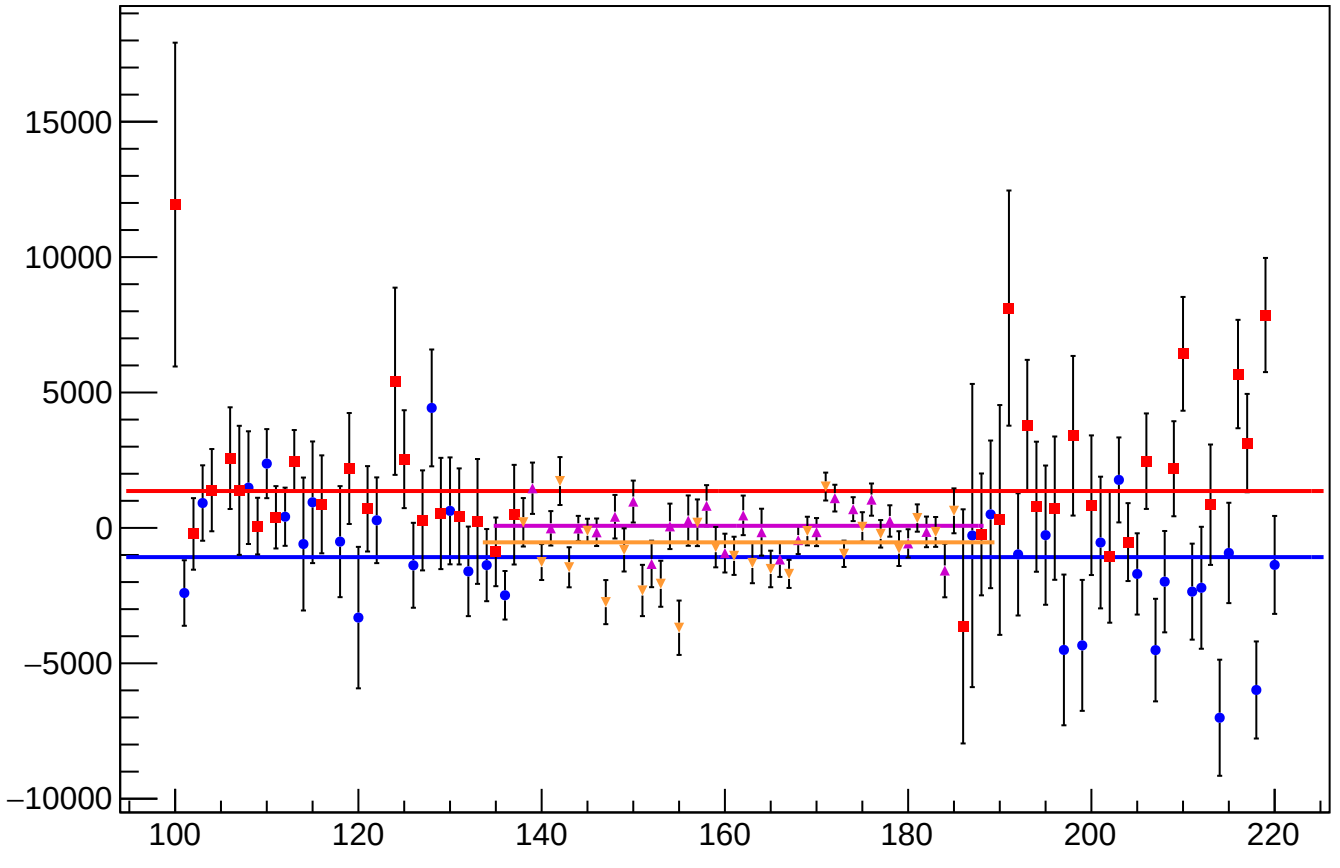
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 99.666+/-0.012 χ^2/NDF: 16743232.4/69

In: 72.533+/-0.009 χ^2/NDF:11825964.6/55

Out: 71.594+/-0.009 χ^2/NDF:13183564.5/61

All: 72.052+/-0.006 χ^2/NDF: 25015150.5/117



Right In: -1078.574+/-299.486 χ^2/NDF: 53.1/32

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 1361.830+/-303.844 χ^2/NDF: 45.0/36

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

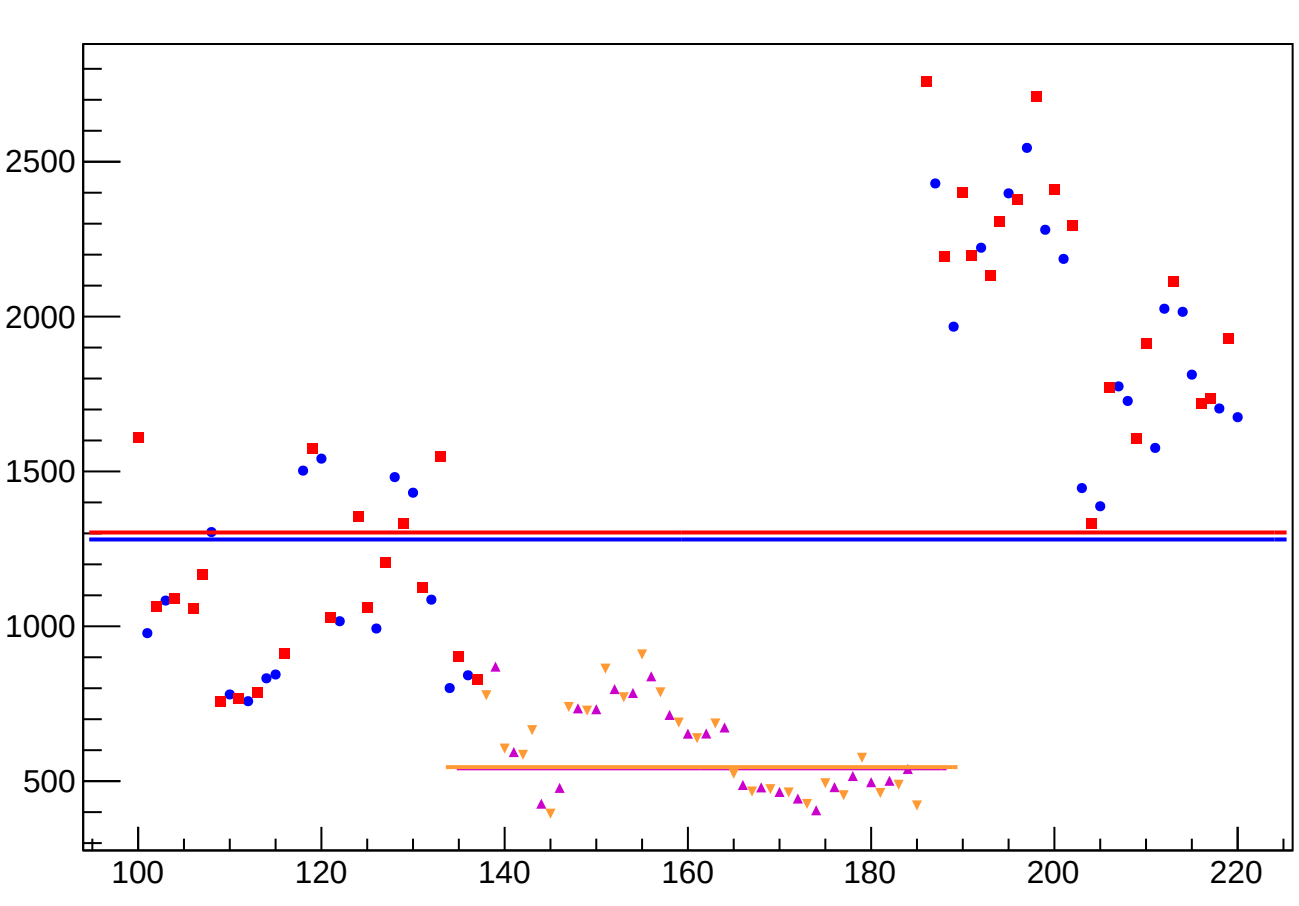
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 123.999+/-213.293 χ^2/NDF: 130.9/69

In: -106.637+/-119.495 χ^2/NDF:94.0/55

Out: -247.503+/-117.903 χ^2/NDF:147.1/61

All: -178.015+/-83.927 χ^2/NDF: 241.9/117



Right In: 1280.337+/-0.212 χ^2/NDF: 5183592.7/32

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1302.917+/-0.215 χ^2/NDF: 5979414.4/36

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

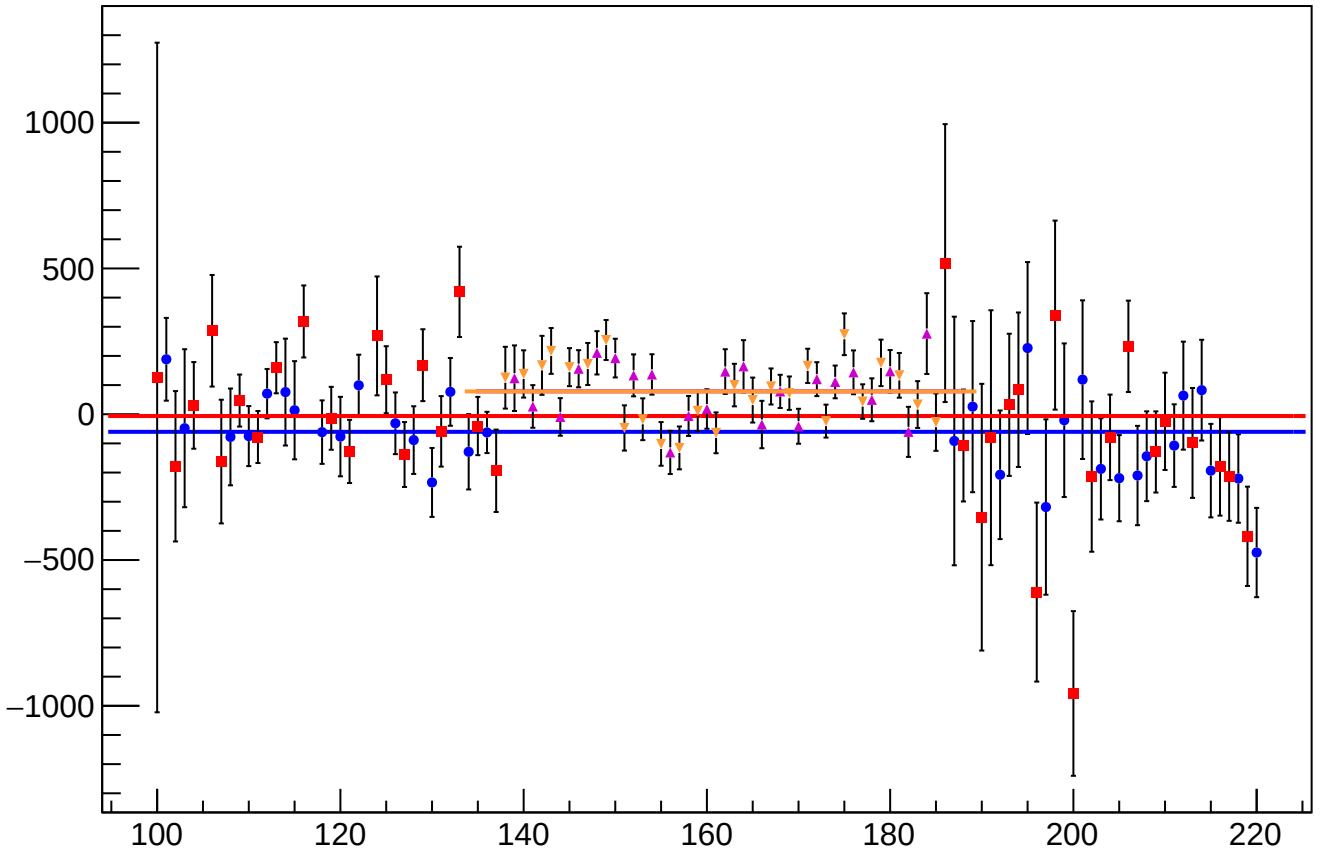
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1291.464+/-0.151 χ^2/NDF: 11168609.8/69

In: 659.087+/-0.084 χ^2/NDF:17259611.5/55

Out: 659.380+/-0.083 χ^2/NDF:18625163.0/61

All: 659.236+/-0.059 χ^2/NDF: 35884780.6/11



Right In: -60.311+/-24.416 χ^2/NDF: 28.3/32

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -6.136+/-24.463 χ^2/NDF: 63.8/36

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

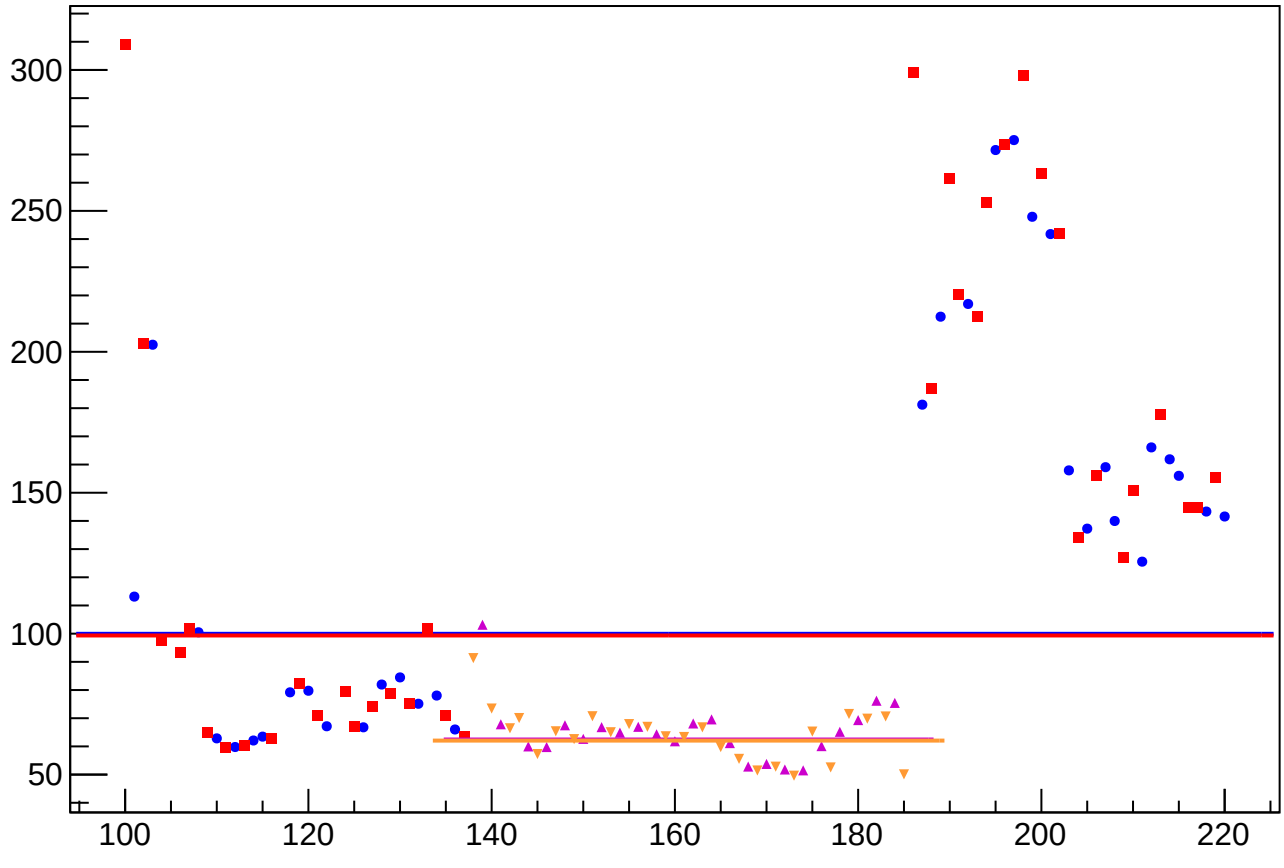
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -33.276+/-17.281 χ^2/NDF: 94.6/69

In: 41.164+/-12.663 χ^2/NDF:88.6/55

Out: 56.636+/-12.362 χ^2/NDF:126.5/61

All: 49.086+/-8.846 χ^2/NDF: 215.9/117



Right In: 99.944+/-0.017 χ^2/NDF: 7712717.6/32

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

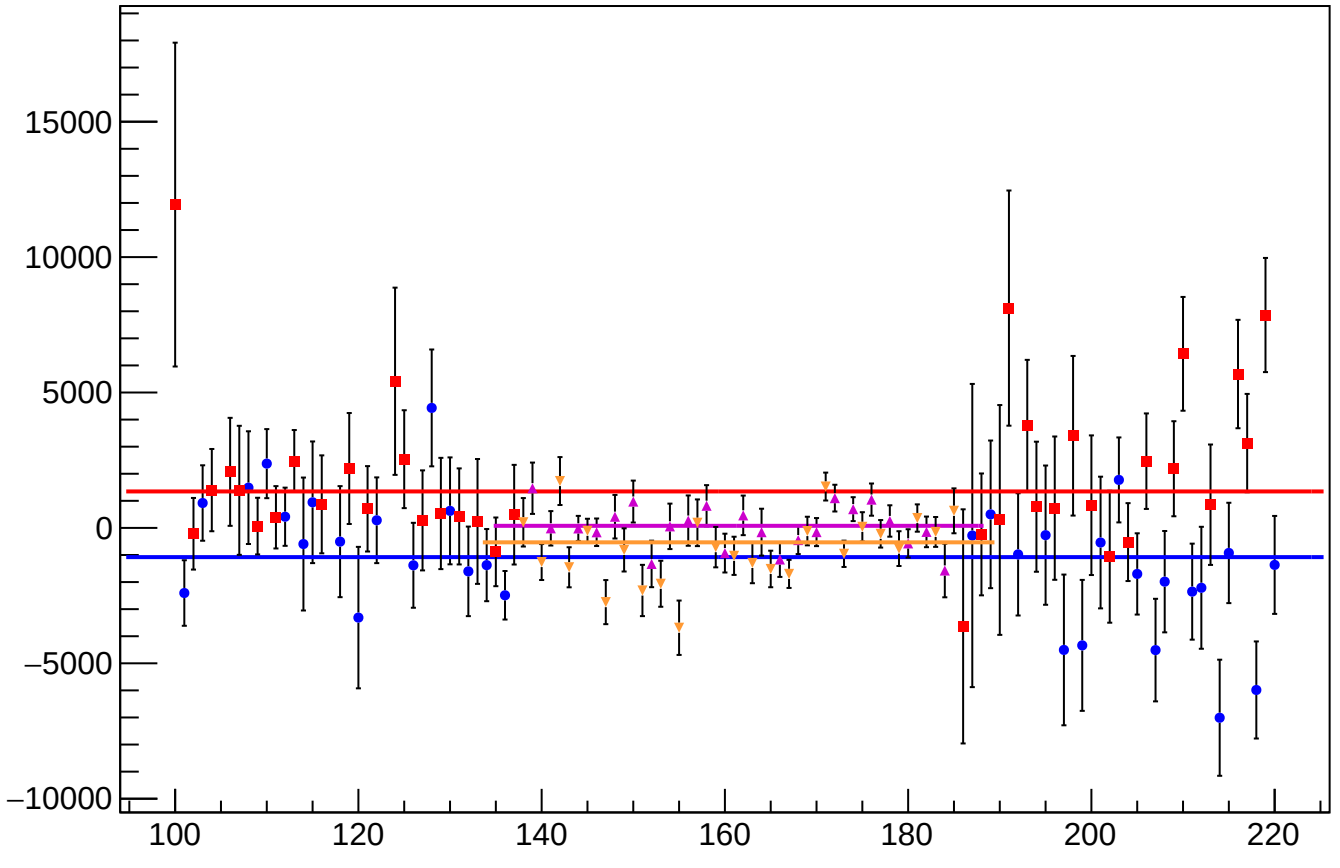
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 99.652+/-0.012 χ^2/NDF: 16744465.1/69

In: 72.533+/-0.009 χ^2/NDF:11825966.6/55

Out: 71.586+/-0.009 χ^2/NDF:13179321.2/61

All: 72.048+/-0.006 χ^2/NDF: 25011005.0/117



Right In: -1078.571+/-299.487 χ^2/NDF: 53.1/32

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 1346.958+/-304.308 χ^2/NDF: 44.7/36

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

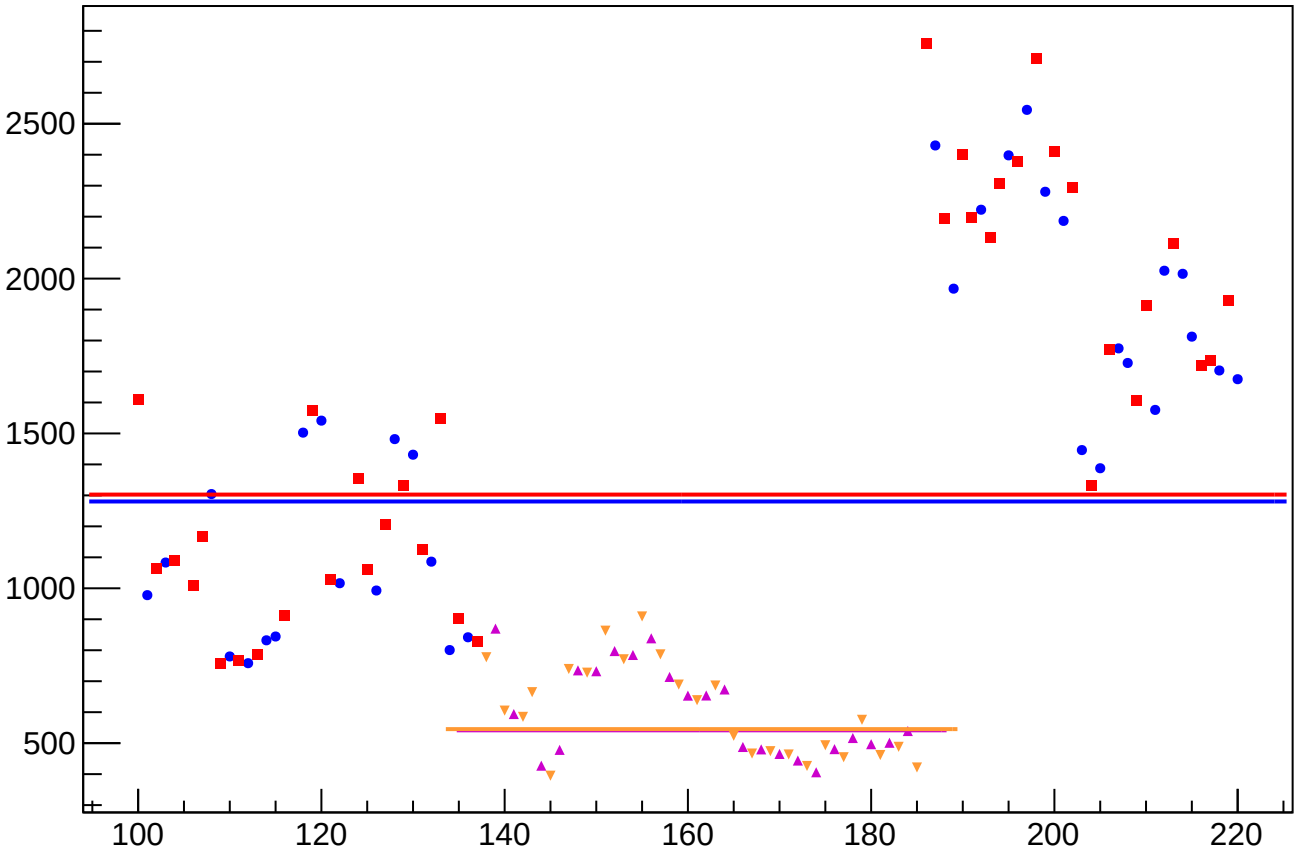
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 114.829+/-213.453 χ^2/NDF: 130.1/69

In: -106.636+/-119.495 χ^2/NDF:94.0/55

Out: -250.473+/-117.930 χ^2/NDF:146.2/61

All: -179.503+/-83.937 χ^2/NDF: 241.0/117



Right In: 1280.343+/-0.212 χ^2/NDF: 5183546.3/32

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

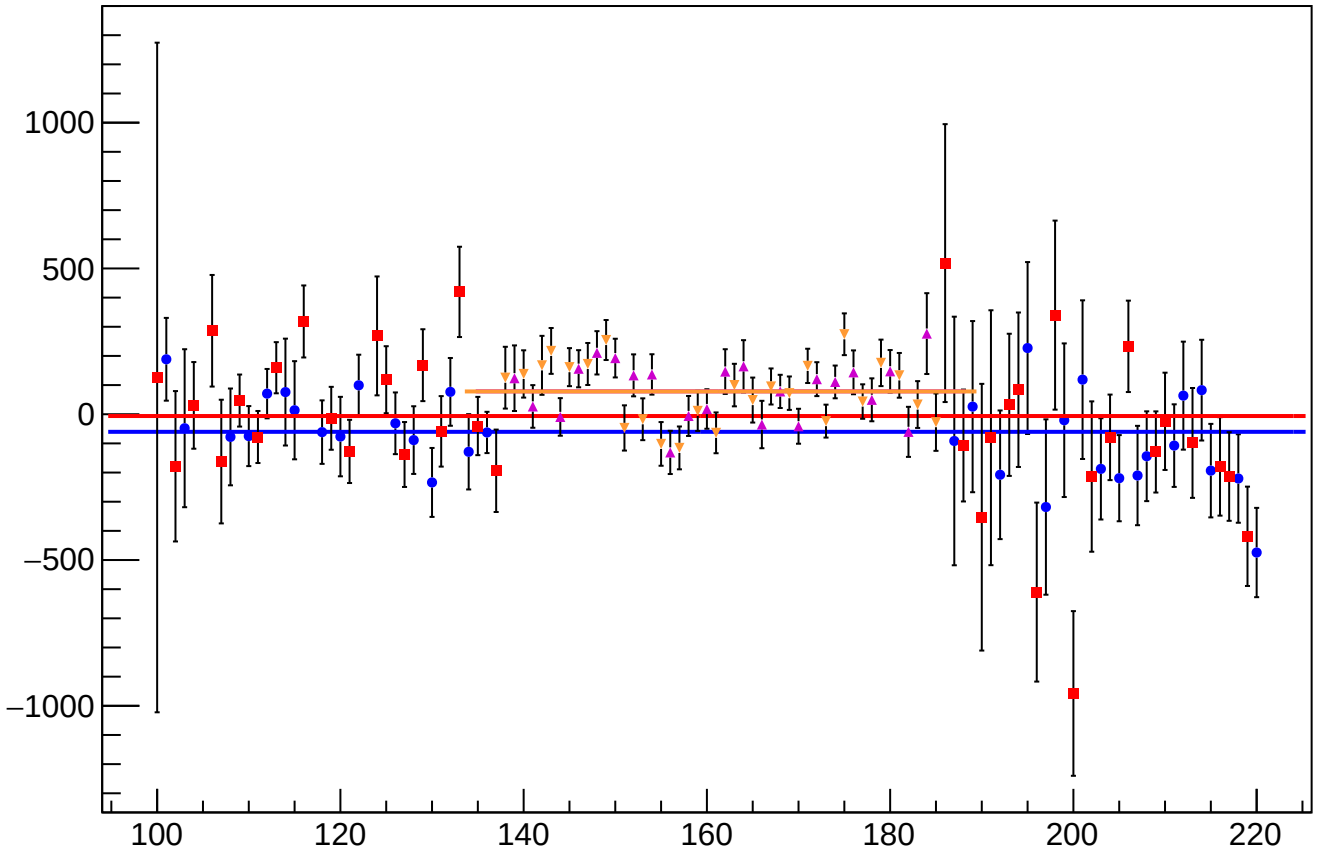
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1291.287+/-0.151 χ^2/NDF: 11177051.6/69

In: 659.088+/-0.084 χ^2/NDF:17259666.0/55

Out: 659.035+/-0.083 χ^2/NDF:18597291.7/61

All: 659.061+/-0.059 χ^2/NDF: 35856957.9/11



Right In: -60.311+/-24.416 χ^2/NDF: 28.3/32

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -6.136+/-24.463 χ^2/NDF: 63.8/36

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

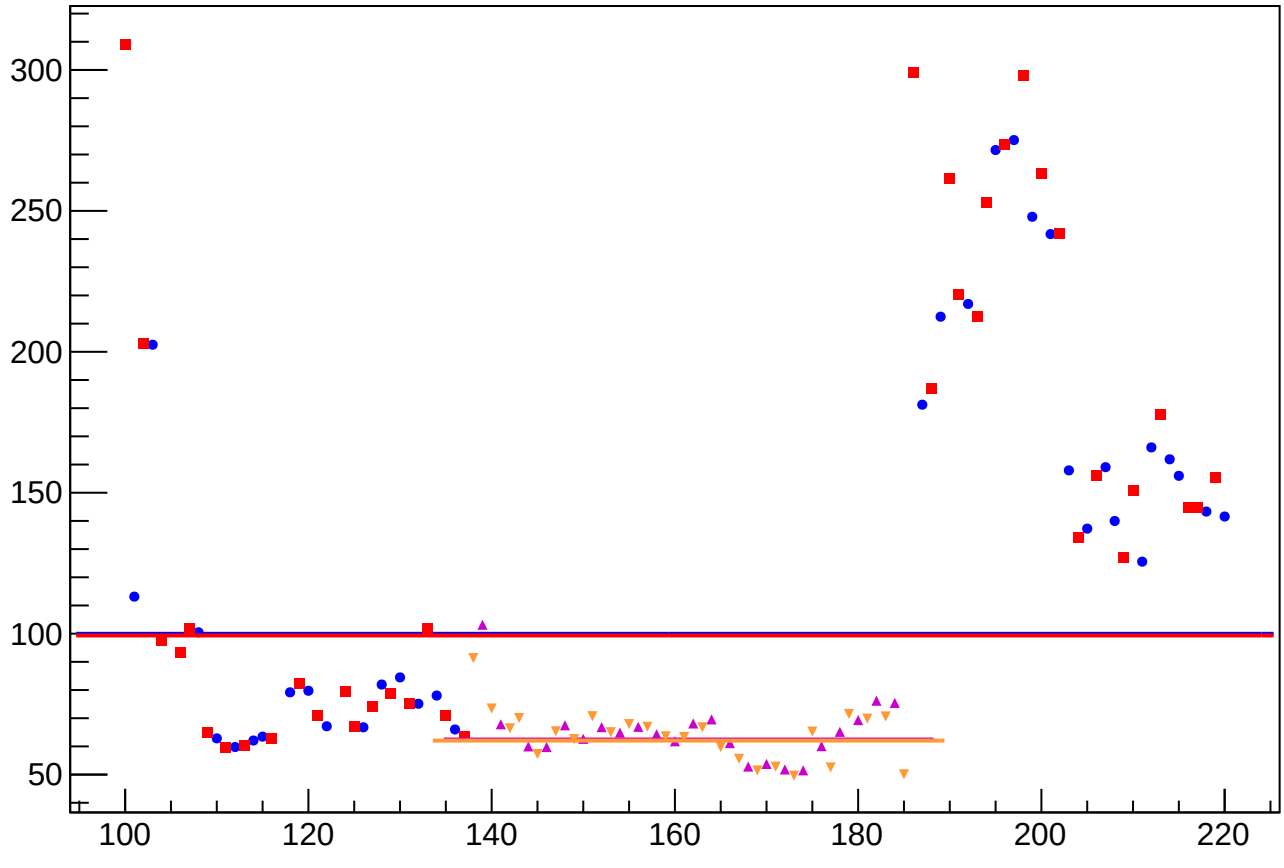
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -33.276+/-17.281 χ^2/NDF: 94.6/69

In: 41.164+/-12.663 χ^2/NDF:88.6/55

Out: 56.636+/-12.362 χ^2/NDF:126.5/61

All: 49.086+/-8.846 χ^2/NDF: 215.9/117



Right In: 99.944+/-0.017 χ^2/NDF: 7712717.6/32

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

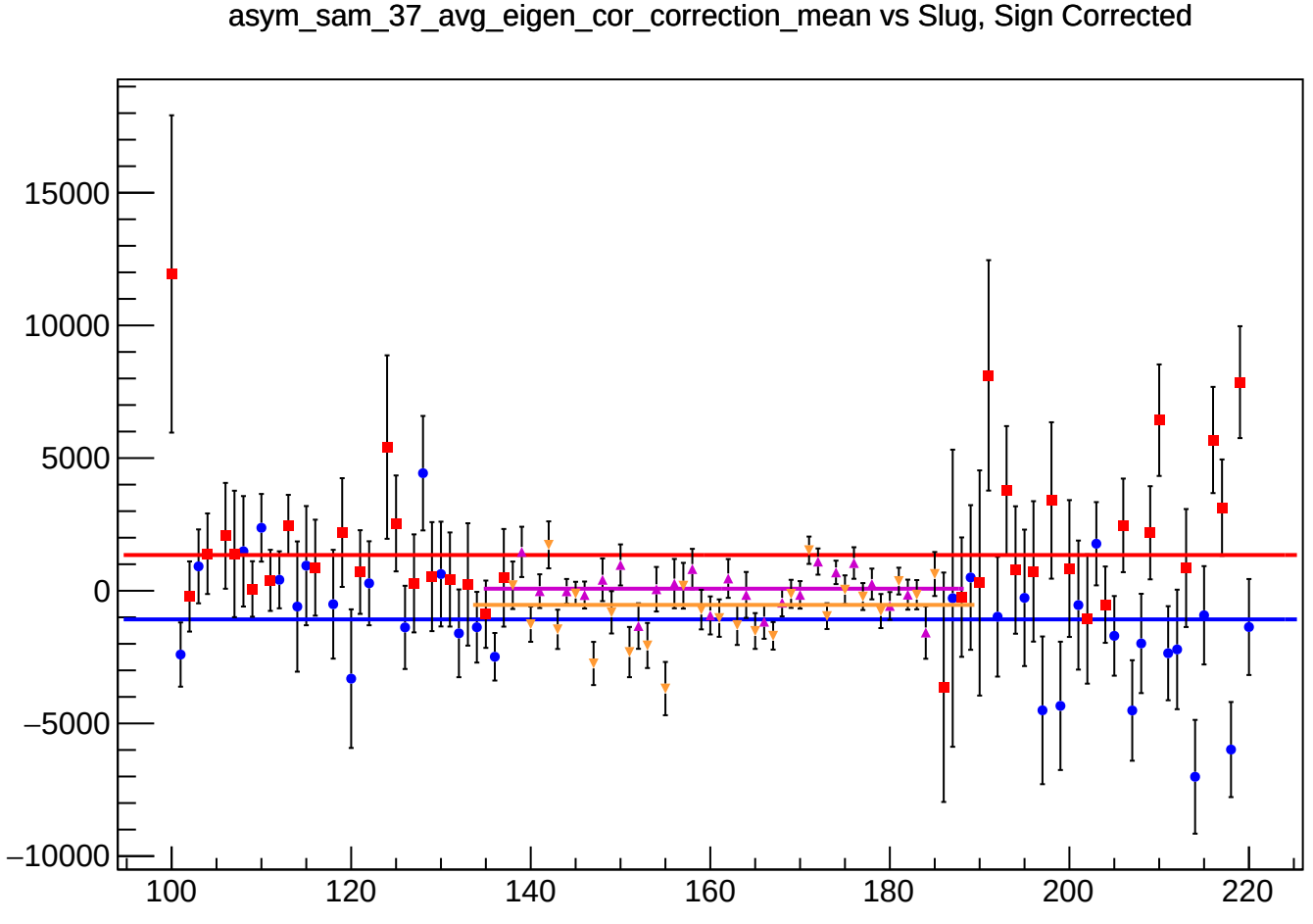
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 99.652+/-0.012 χ^2/NDF: 16744465.1/69

In: 72.533+/-0.009 χ^2/NDF:11825966.6/55

Out: 71.586+/-0.009 χ^2/NDF:13179321.2/61

All: 72.048+/-0.006 χ^2/NDF: 25011005.0/117



Right In: -1078.571+/-299.487 χ^2/NDF: 53.1/32

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 1346.958+/-304.308 χ^2/NDF: 44.7/36

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

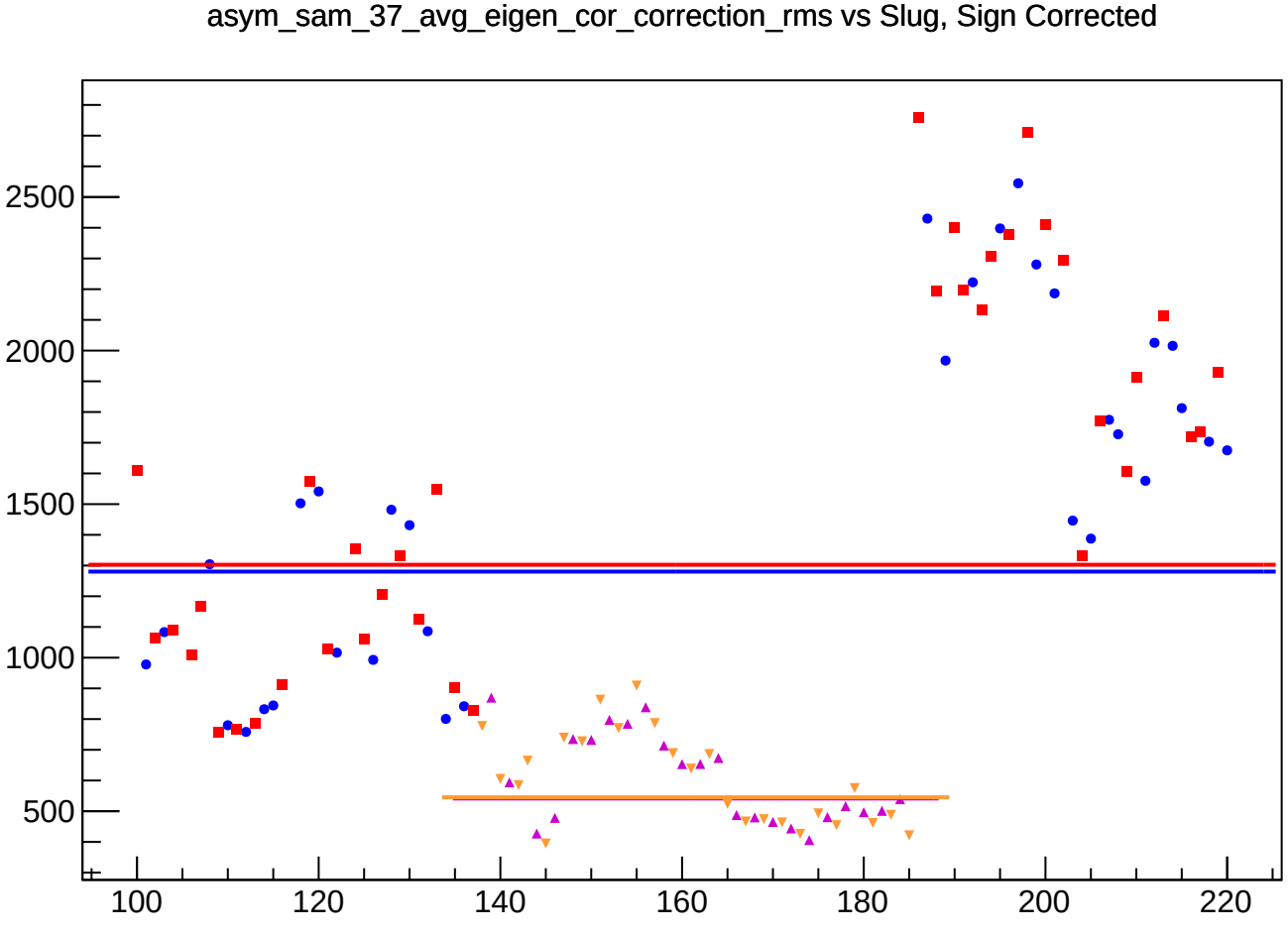
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 114.829+/-213.453 χ^2/NDF: 130.1/69

In: -106.636+/-119.495 χ^2/NDF:94.0/55

Out: -250.473+/-117.930 χ^2/NDF:146.2/61

All: -179.503+/-83.937 χ^2/NDF: 241.0/117



Right In: 1280.343+/-0.212 χ^2/NDF: 5183546.3/32

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

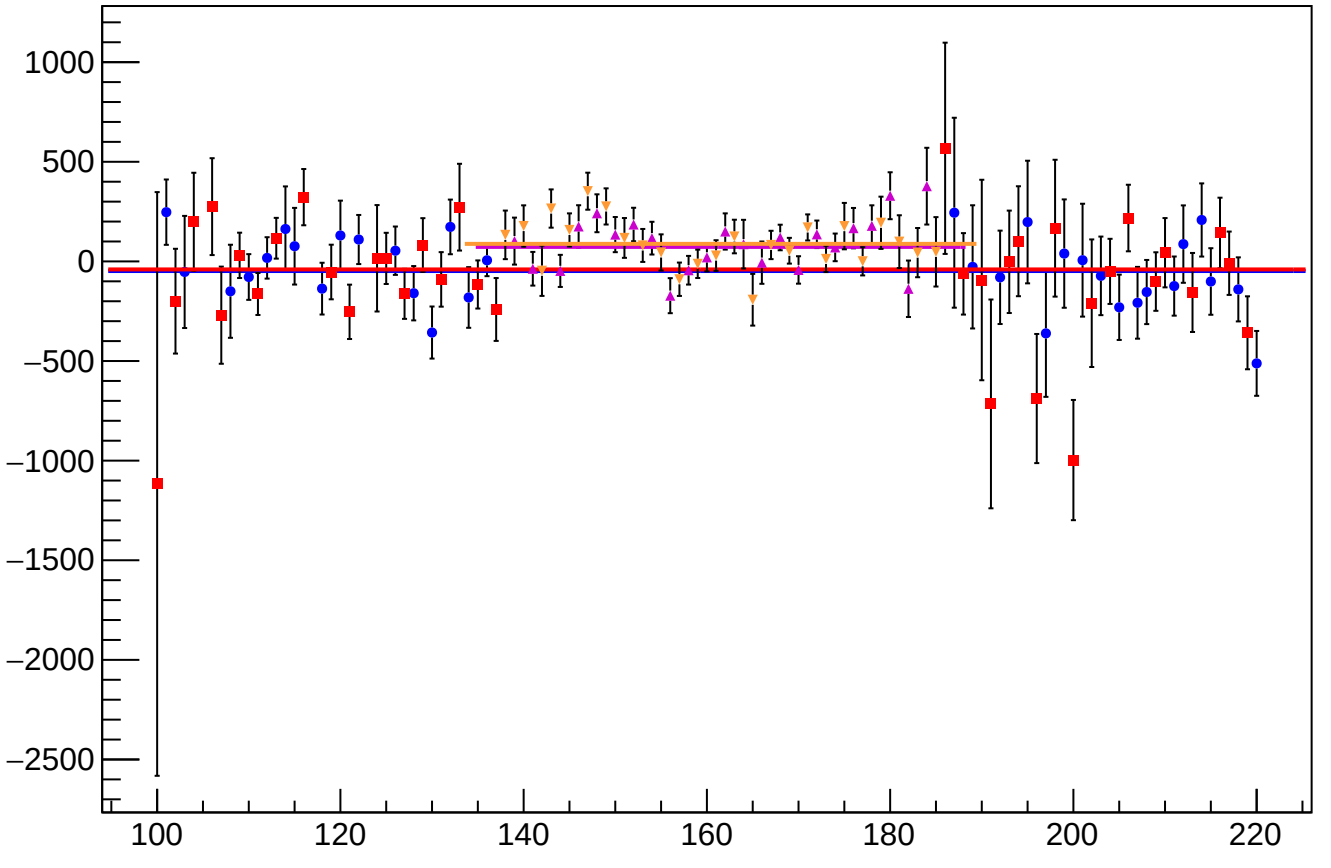
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1291.287+/-0.151 χ^2/NDF: 11177051.6/69

In: 659.088+/-0.084 χ^2/NDF:17259666.0/55

Out: 659.035+/-0.083 χ^2/NDF:18597291.7/61

All: 659.061+/-0.059 χ^2/NDF: 35856957.9/11



Right In: -48.305+/-27.704 χ^2/NDF: 35.1/32

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -40.256+/-28.366 χ^2/NDF: 49.0/36

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

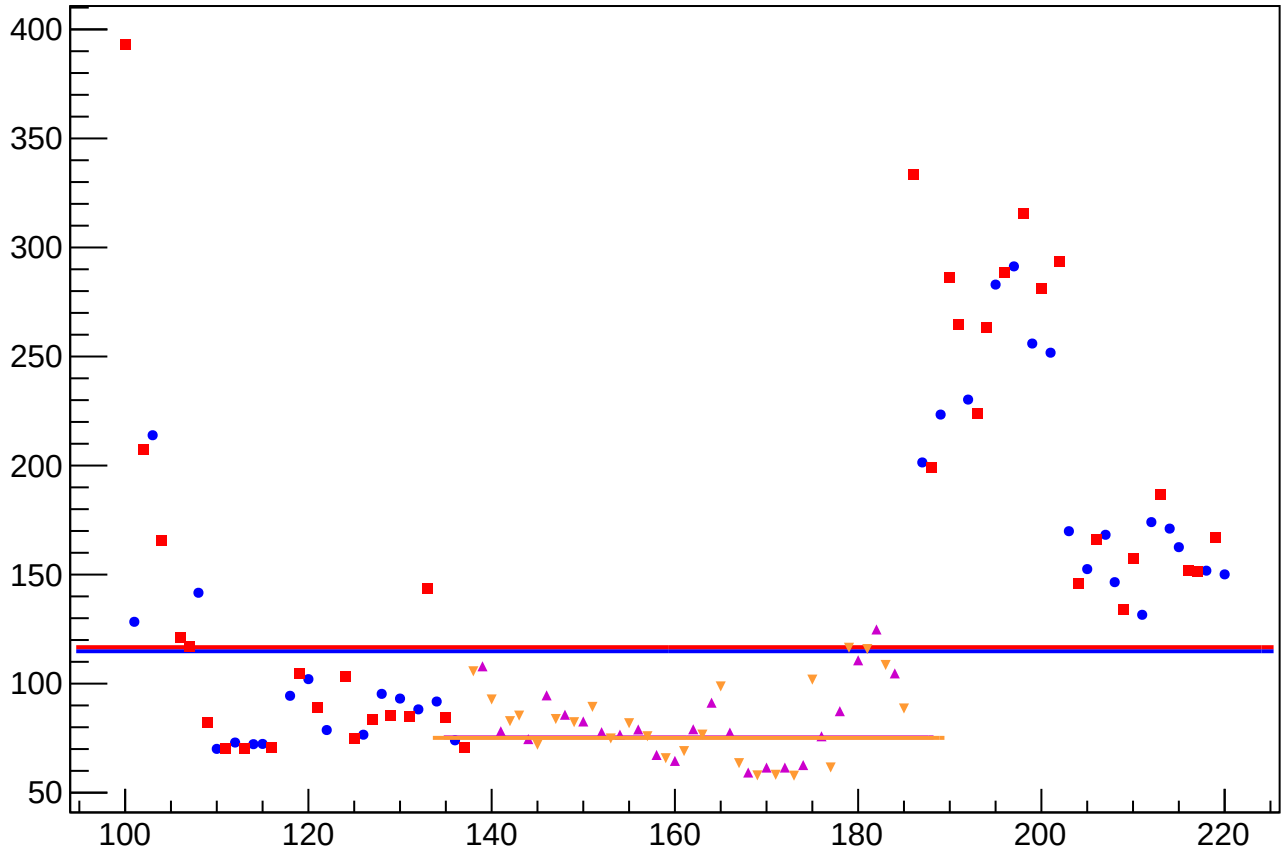
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -44.375+/-19.819 χ^2/NDF: 84.1/69

In: 36.111+/-15.255 χ^2/NDF:86.8/55

Out: 51.955+/-15.044 χ^2/NDF:100.6/61

All: 44.144+/-10.711 χ^2/NDF: 188.0/117



Right In: 114.860+/-0.020 χ^2/NDF: 6557192.6/32

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 116.711+/-0.020 χ^2/NDF: 7931983.8/36

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

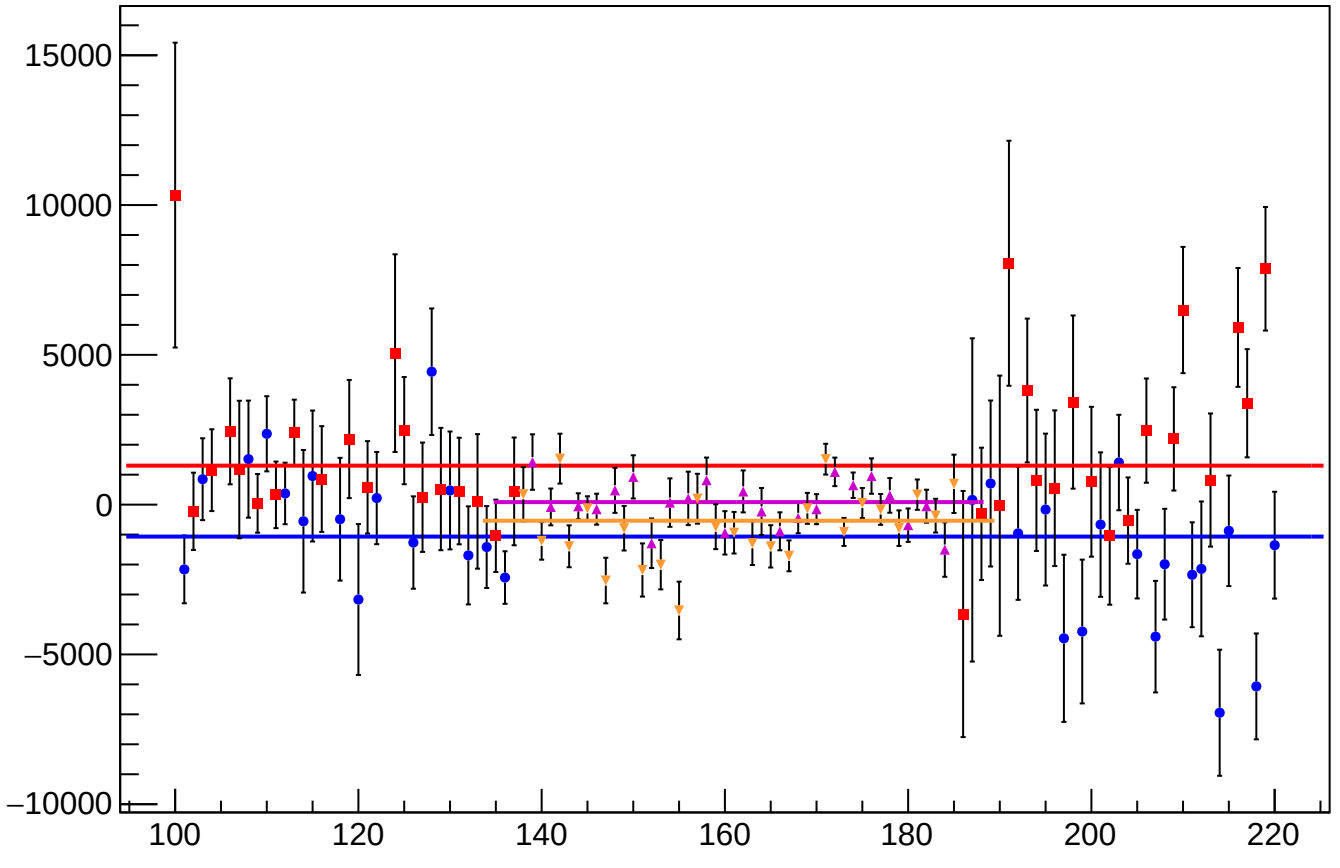
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 115.764+/-0.014 χ^2/NDF: 14493533.7/69

In: 87.340+/-0.011 χ^2/NDF:10615097.4/55

Out: 86.824+/-0.011 χ^2/NDF:12622606.7/61

All: 87.078+/-0.008 χ^2/NDF: 23238864.5/117



Right In: -1066.510+/-293.754 χ^2/NDF: 53.0/32

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 1300.944+/-294.531 χ^2/NDF: 48.6/36

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

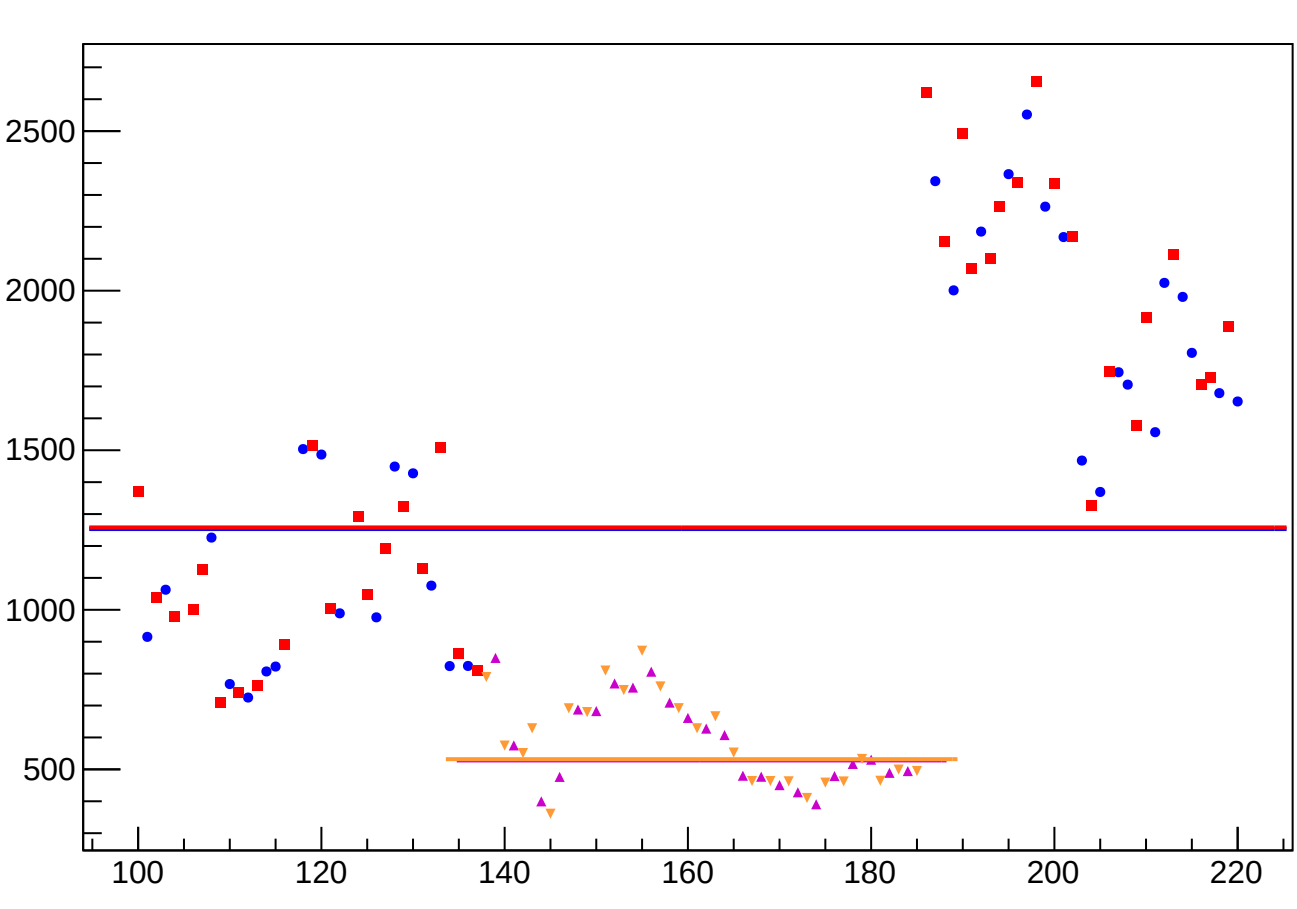
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 114.088+/-207.990 χ^2/NDF: 134.0/69

In: -96.712+/-116.602 χ^2/NDF:93.4/55

Out: -258.310+/-114.653 χ^2/NDF:148.7/61

All: -178.873+/-81.753 χ^2/NDF: 243.1/117



Right In: 1253.094+/-0.208 χ^2/NDF: 5376352.3/32

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1258.125+/-0.208 χ^2/NDF: 6282286.4/36

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

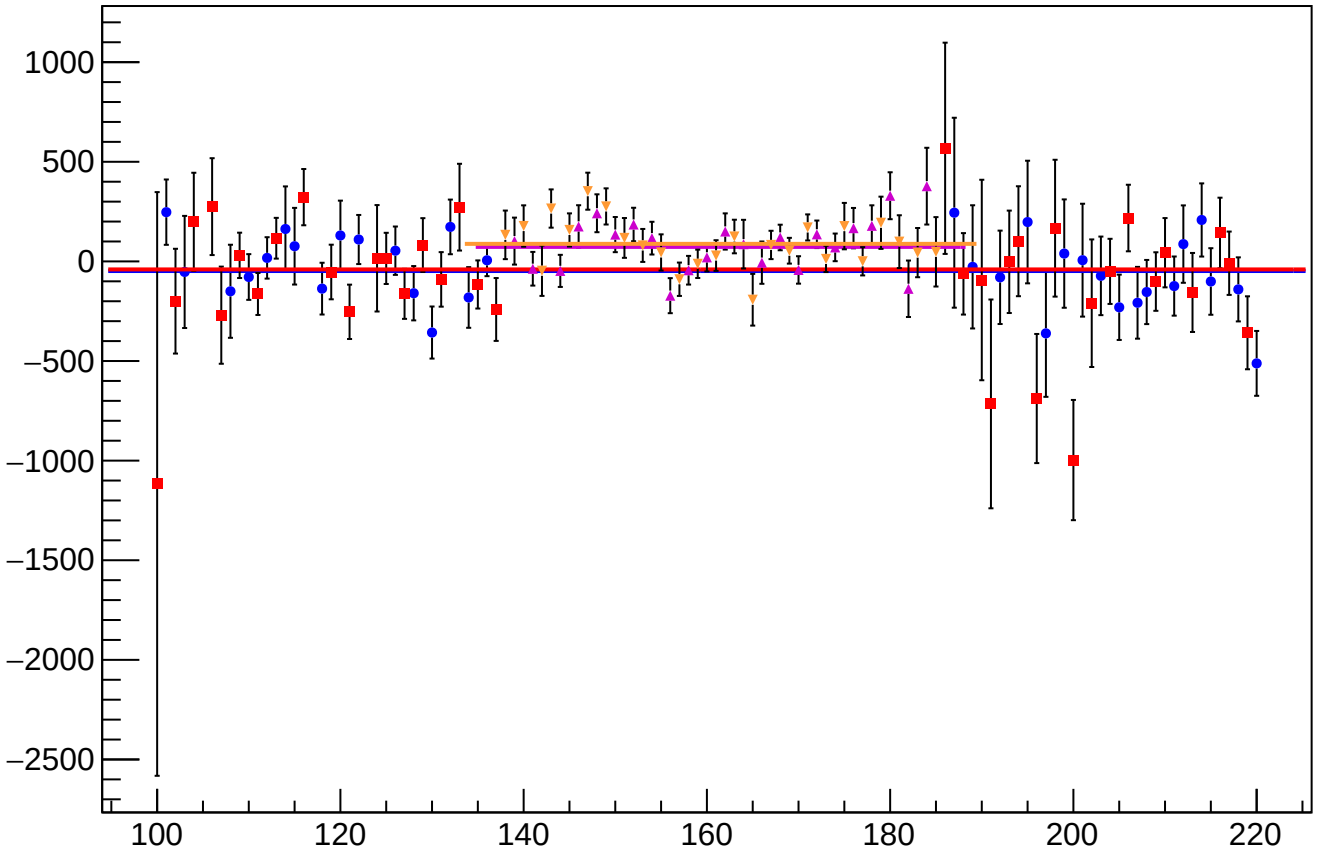
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1255.603+/-0.147 χ^2/NDF: 11658931.2/69

In: 642.234+/-0.082 χ^2/NDF:17442964.5/55

Out: 641.924+/-0.081 χ^2/NDF:18637605.0/61

All: 642.077+/-0.058 χ^2/NDF: 36080576.7/11



Right In: -48.305+/-27.704 χ^2/NDF: 35.1/32

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -40.259+/-28.366 χ^2/NDF: 49.0/36

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

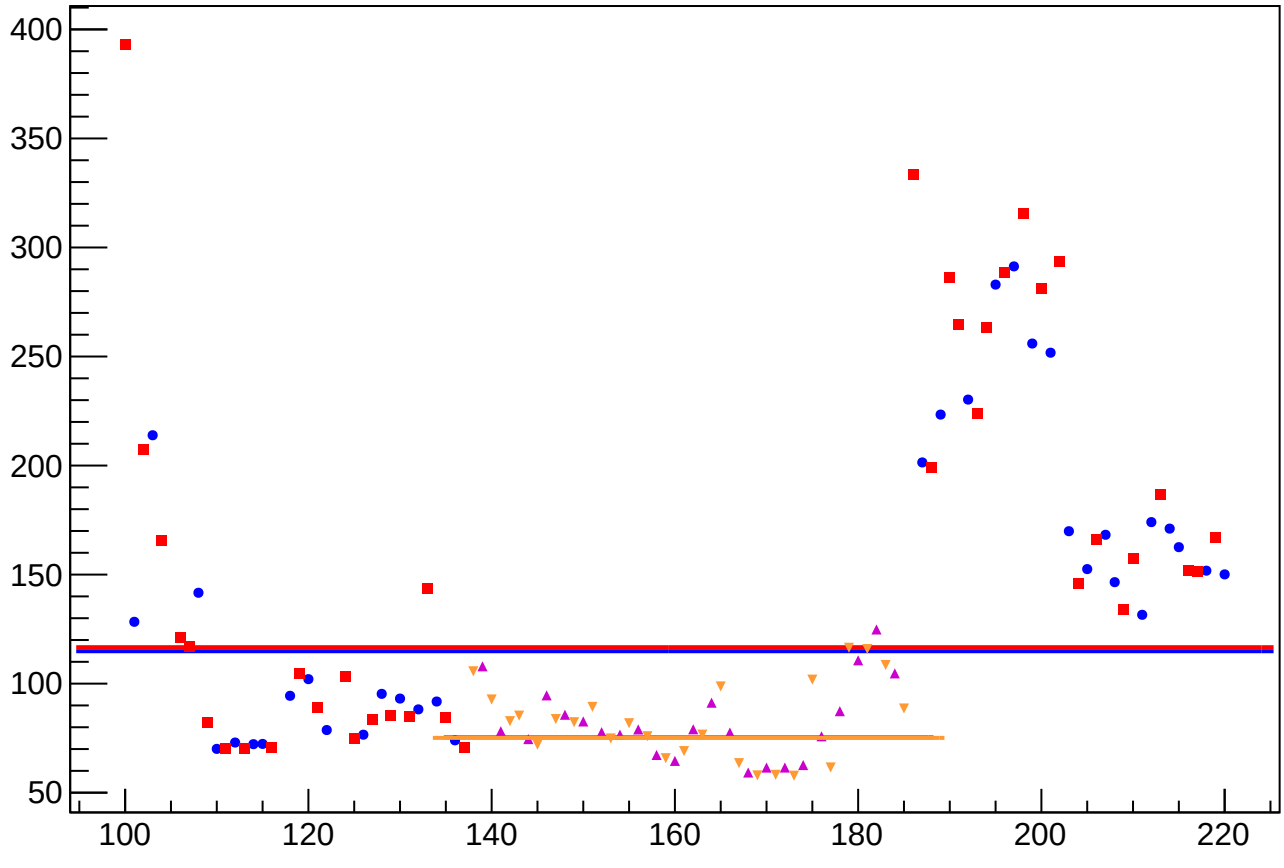
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -44.377+/-19.819 χ^2/NDF: 84.1/69

In: 36.111+/-15.255 χ^2/NDF:86.8/55

Out: 51.955+/-15.044 χ^2/NDF:100.6/61

All: 44.144+/-10.712 χ^2/NDF: 188.0/117



Right In: 114.861+/-0.020 χ^2/NDF: 6557138.7/32

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 116.711+/-0.020 χ^2/NDF: 7931929.1/36

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

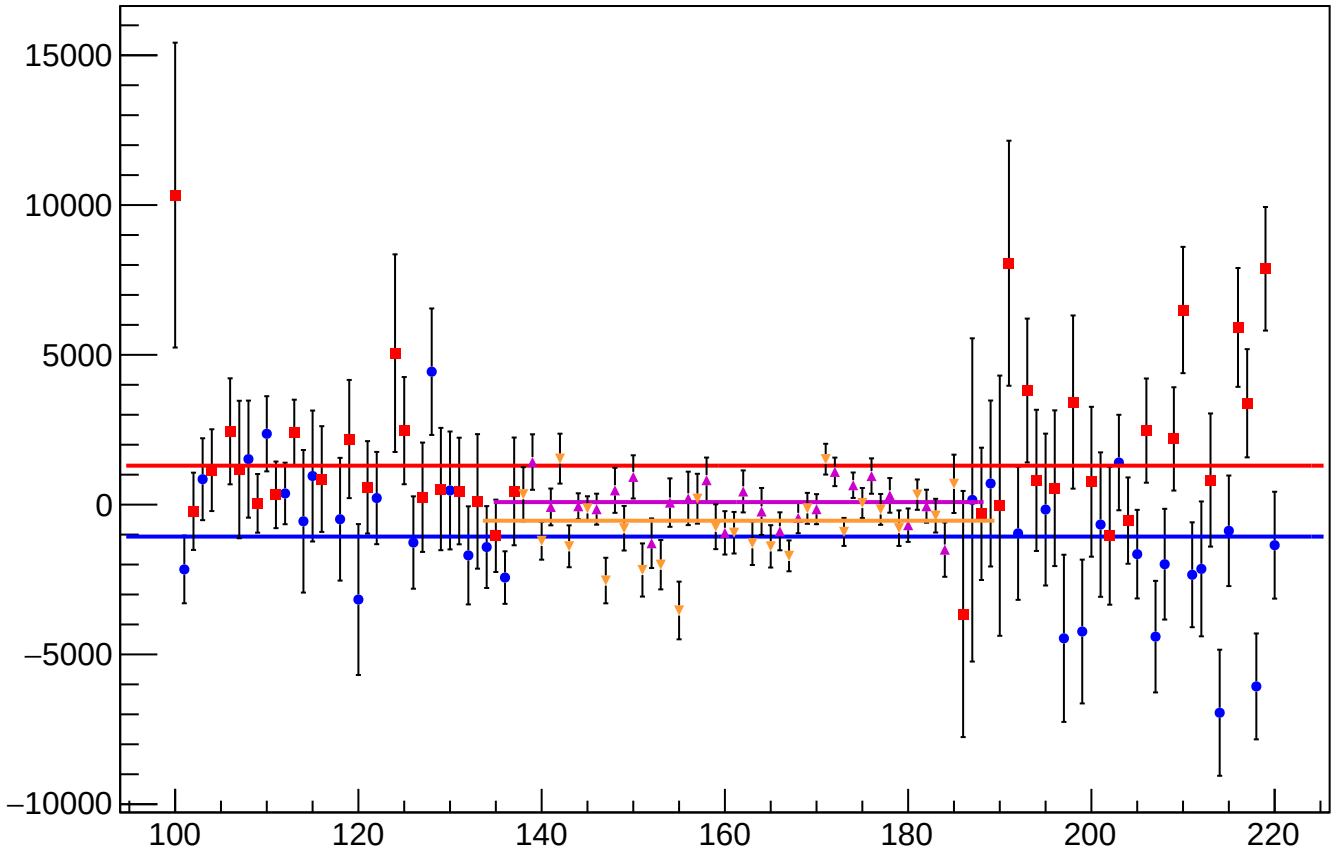
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 115.764+/-0.014 χ^2/NDF: 14493425.6/69

In: 87.340+/-0.011 χ^2/NDF:10615053.8/55

Out: 86.824+/-0.011 χ^2/NDF:12622569.2/61

All: 87.078+/-0.008 χ^2/NDF: 23238783.2/117



Right In: -1066.506+/-293.753 χ^2/NDF: 53.0/32

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 1300.942+/-294.531 χ^2/NDF: 48.6/36

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

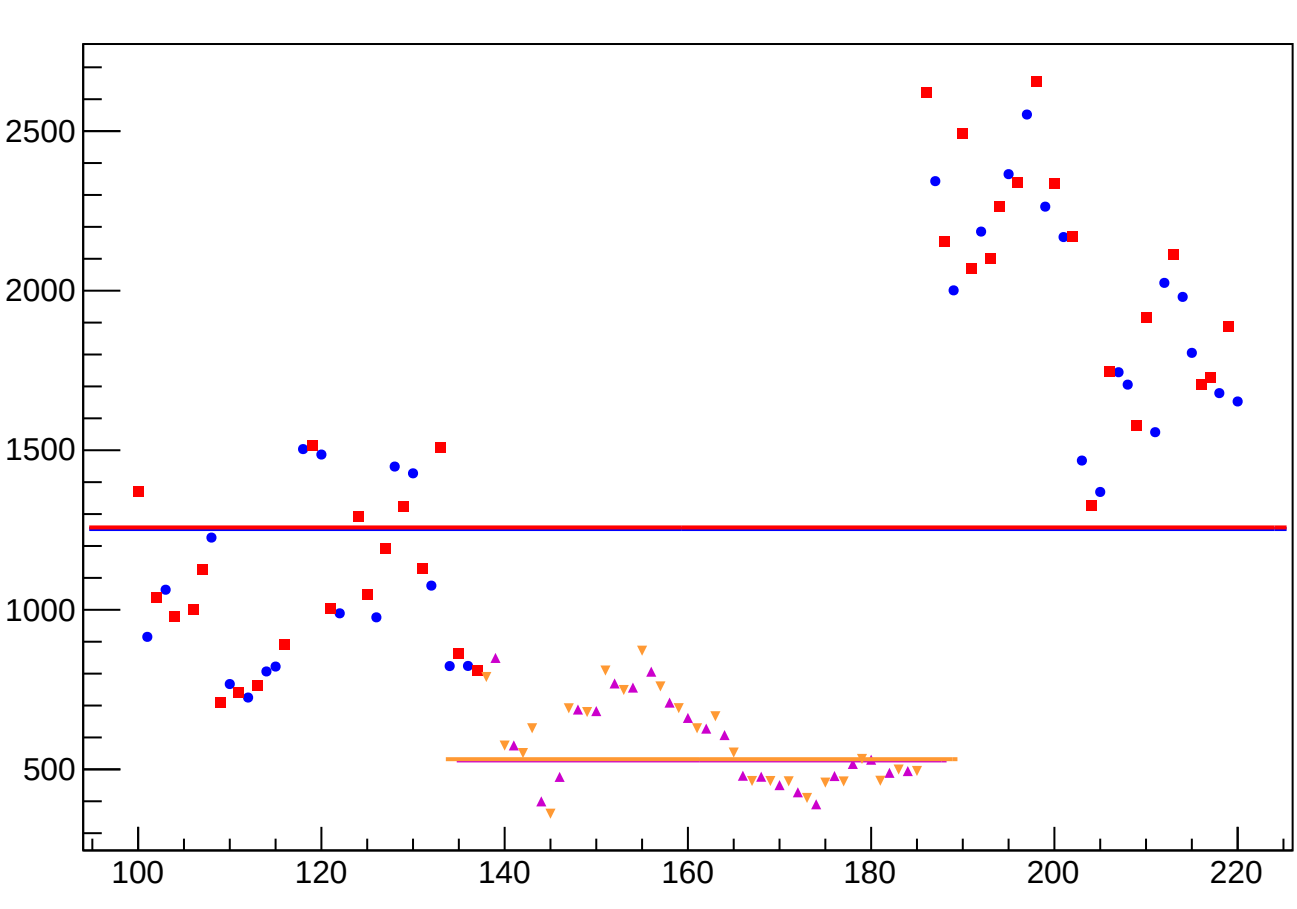
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 114.089+/-207.989 χ^2/NDF: 134.0/69

In: -96.712+/-116.602 χ^2/NDF:93.4/55

Out: -258.310+/-114.653 χ^2/NDF:148.7/61

All: -178.873+/-81.752 χ^2/NDF: 243.1/117



Right In: 1253.092+/-0.208 χ^2/NDF: 5376370.4/32

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1258.123+/-0.208 χ^2/NDF: 6282301.8/36

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

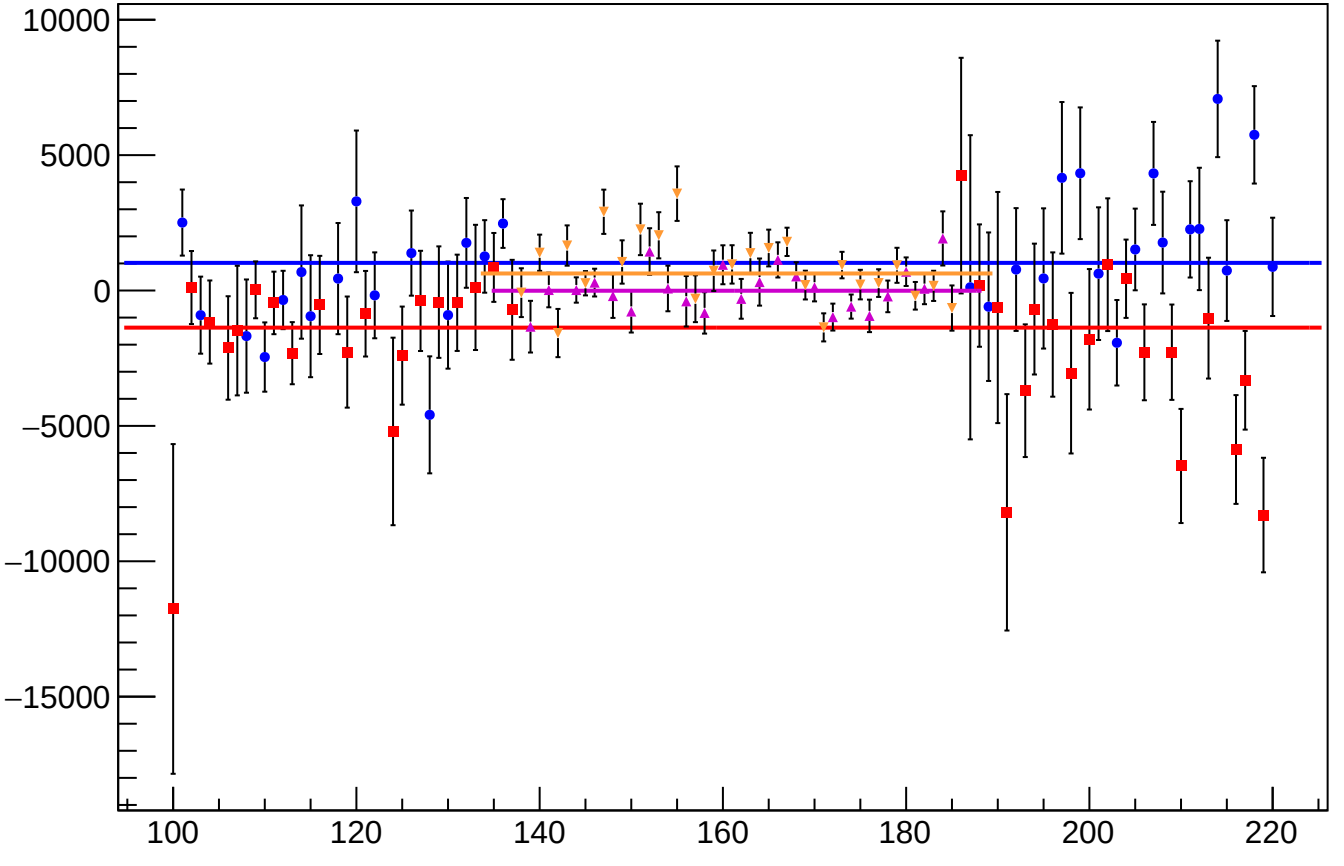
Right: 1255.601+/-0.147 χ^2/NDF: 11658964.6/69

In: 642.234+/-0.082 χ^2/NDF:17442953.4/55

Out: 641.924+/-0.081 χ^2/NDF:18637592.3/61

All: 642.076+/-0.058 χ^2/NDF: 36080552.8/1

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 1020.979+/-300.936 χ^2/NDF: 52.8/32

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -1370.987+/-305.406 χ^2/NDF: 45.5/36

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

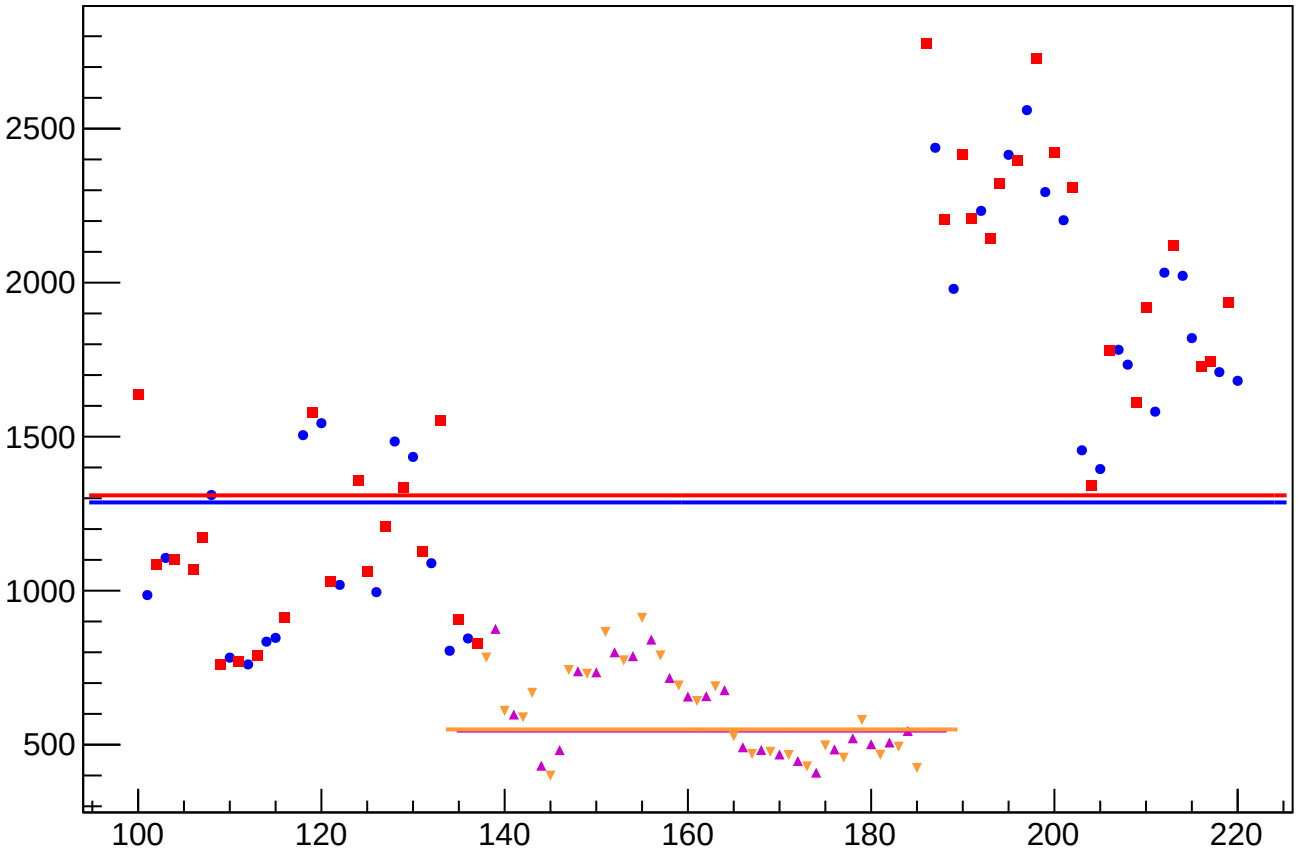
Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

Right: -157.374+/-214.357 χ^2/NDF: 129.4/69

In: 156.144+/-120.336 χ^2/NDF:90.0/55

Out: 327.107+/-118.719 χ^2/NDF:146.8/61

All: 242.782+/-84.513 χ^2/NDF: 237.8/117



Right In: 1286.520+/-0.213 χ^2/NDF: 5184711.7/32

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1309.431+/-0.216 χ^2/NDF: 5982284.8/36

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

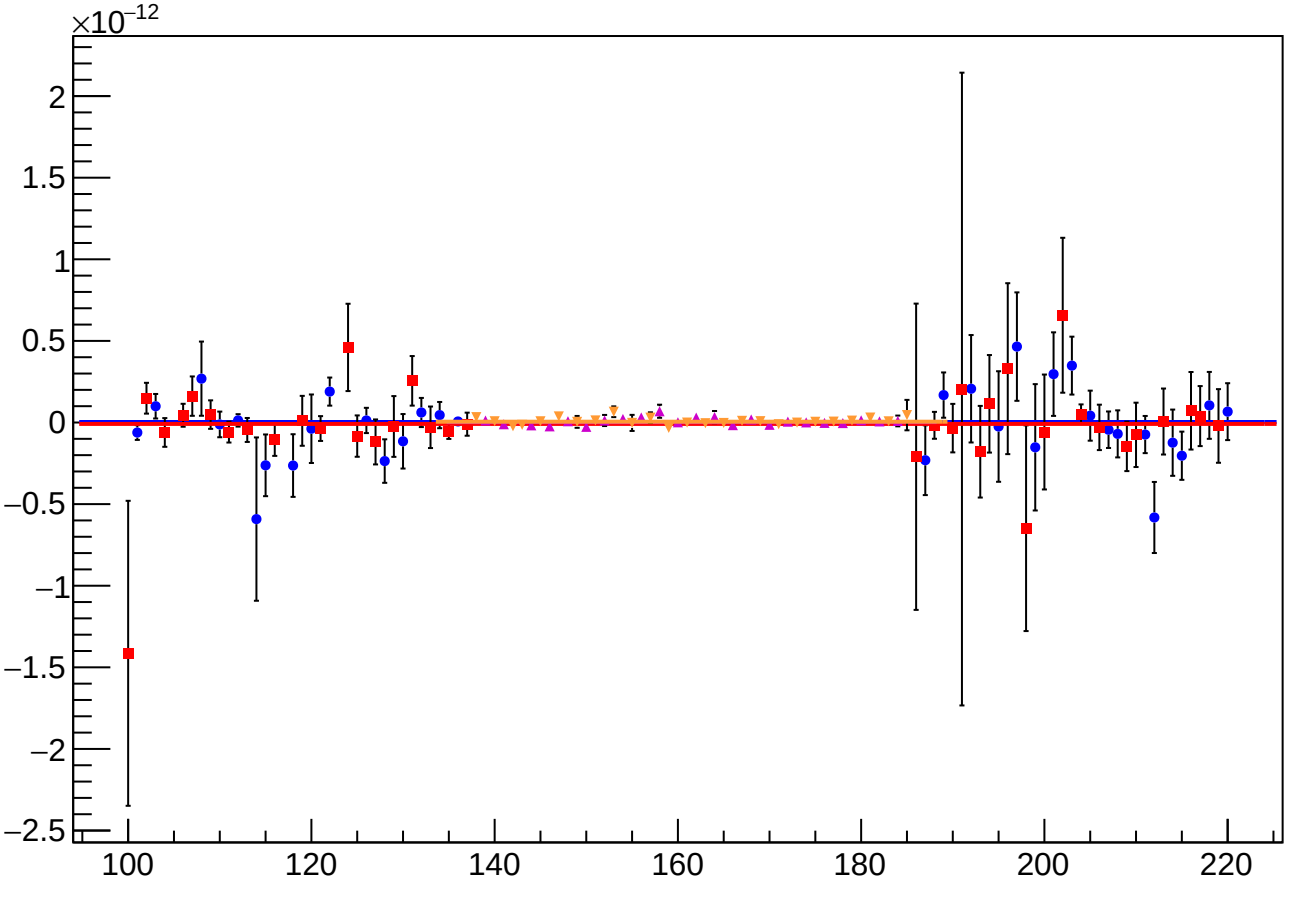
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1297.806+/-0.152 χ^2/NDF: 11172707.2/69

In: 664.162+/-0.085 χ^2/NDF:17181113.8/55

Out: 664.310+/-0.084 χ^2/NDF:18548658.9/61

All: 664.237+/-0.060 χ^2/NDF: 35729774.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

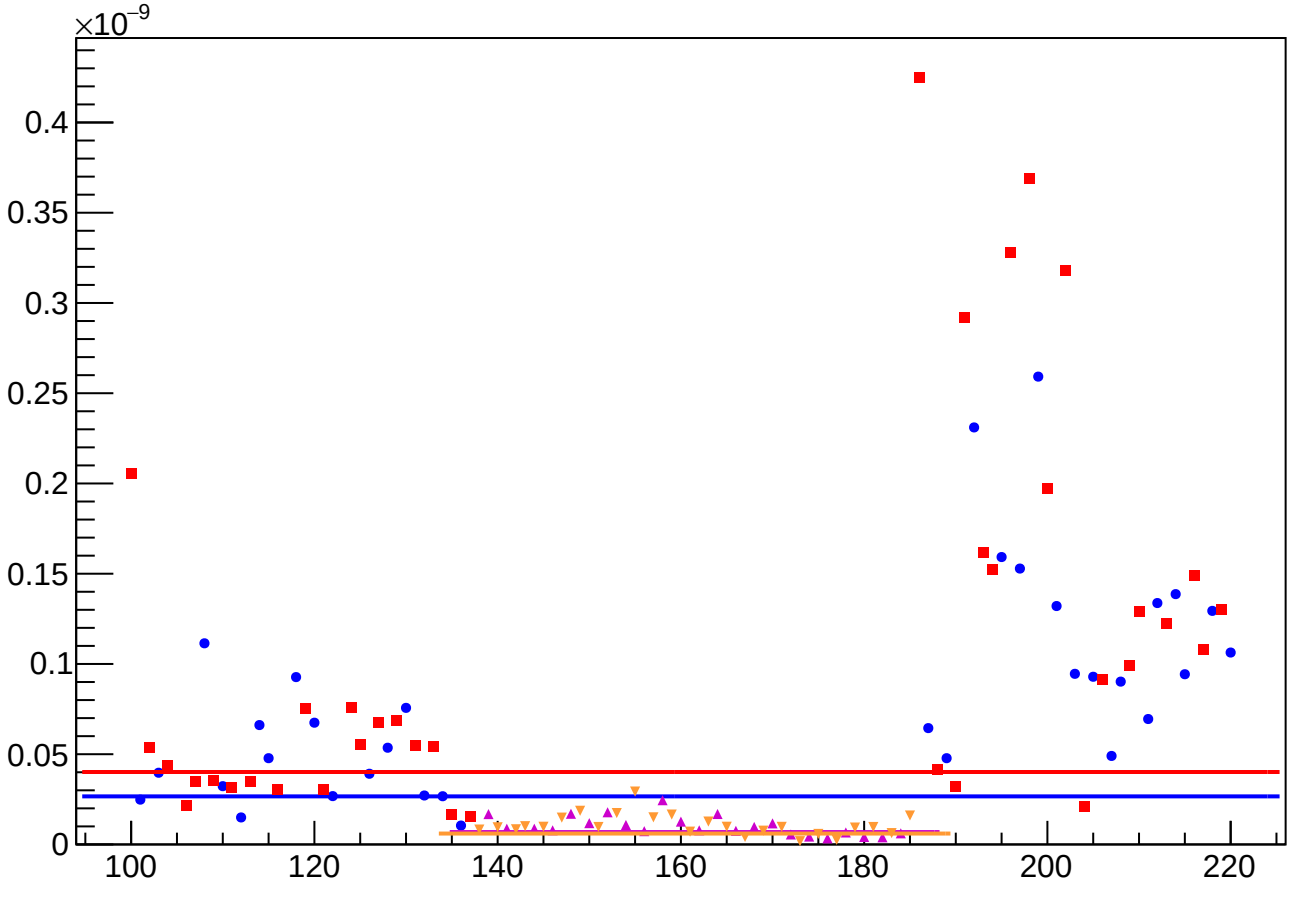
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 65.8/69

In: 0.000+/-0.000 χ^2/NDF:60.8/55

Out: 0.000+/-0.000 χ^2/NDF:40.9/61

All: 0.000+/-0.000 χ^2/NDF: 101.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 8896290.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7236751.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

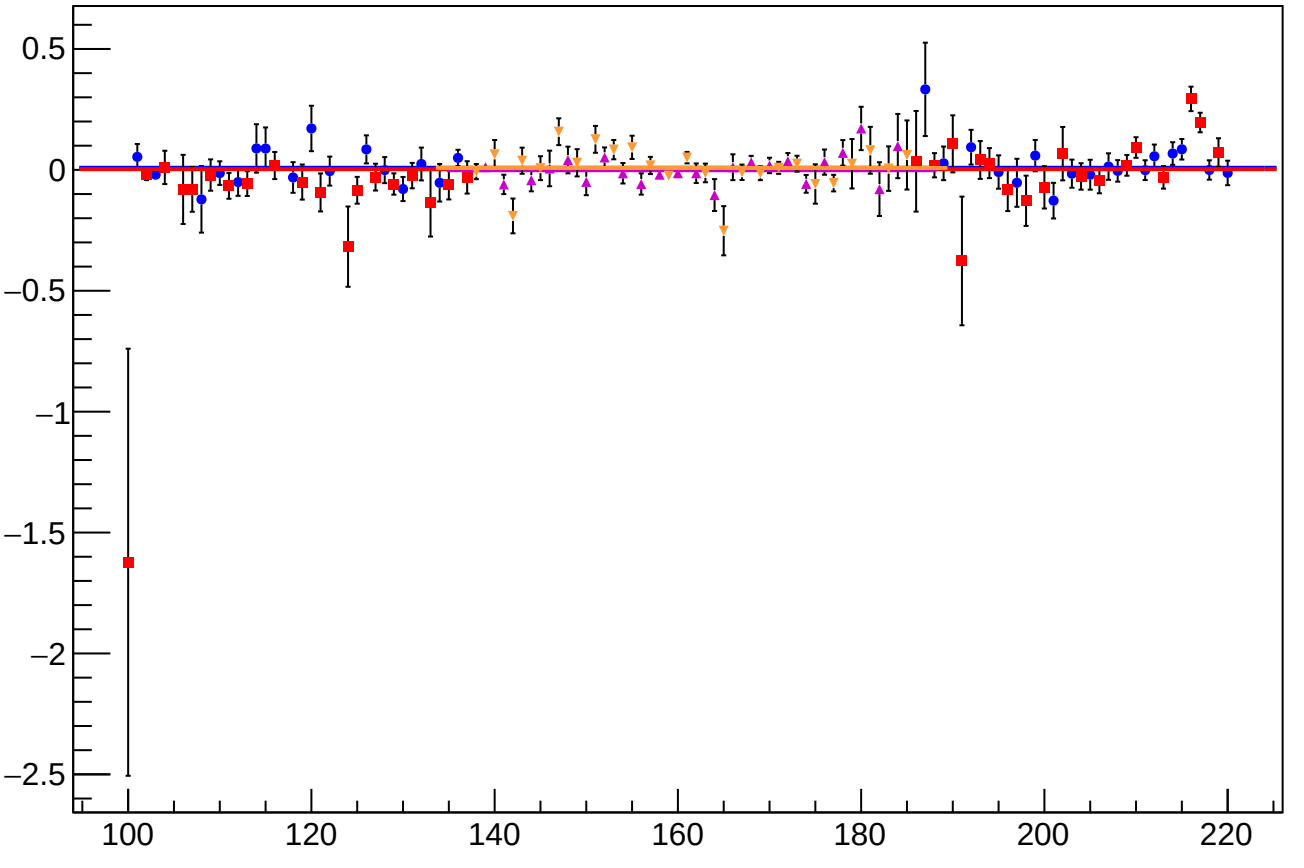
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16842714.2/69

In: 0.000+/-0.000 χ^2/NDF:15255850.3/55

Out: 0.000+/-0.000 χ^2/NDF:17772058.9/61

All: 0.000+/-0.000 χ^2/NDF: 33128971.0/117



Right In: 0.009+/-0.009 χ^2/NDF: 32.3/32

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

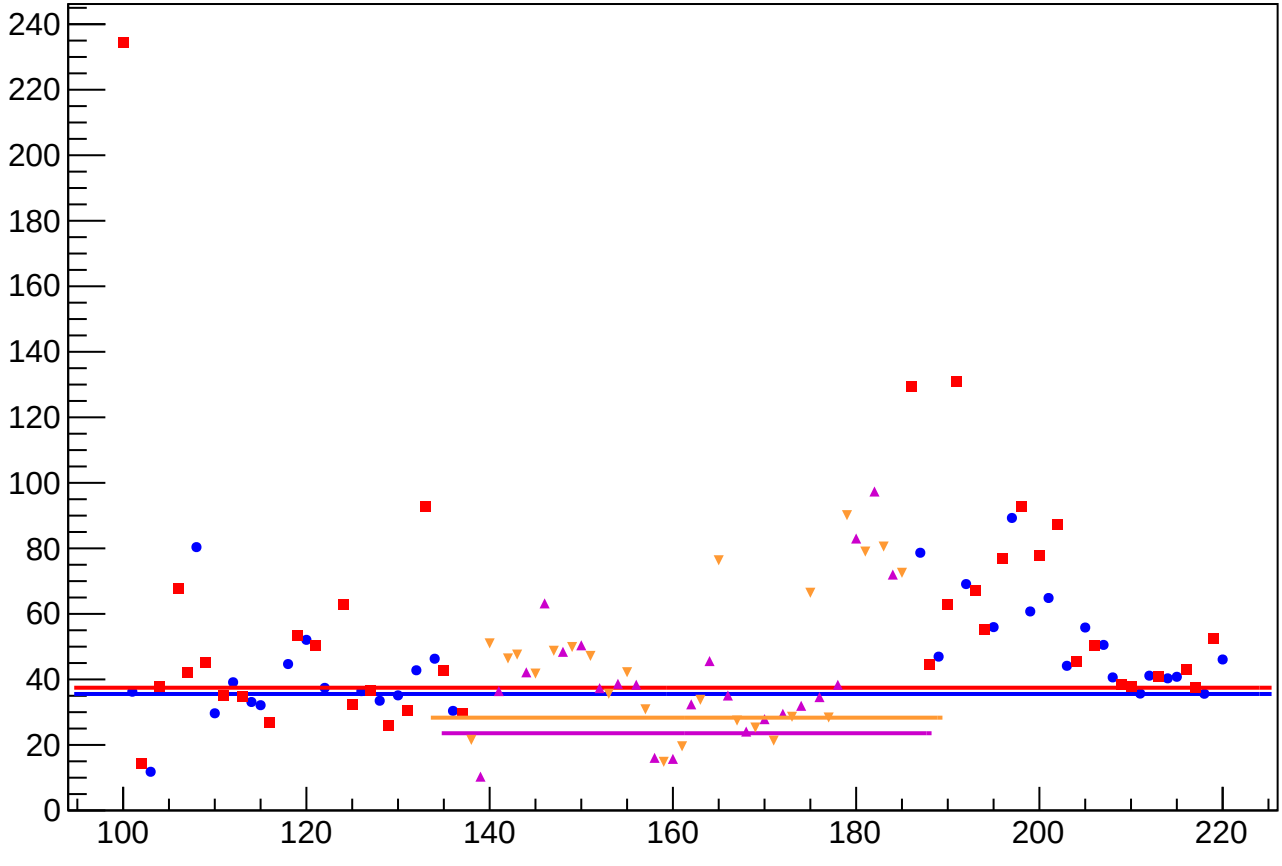
Right: 0.006+/-0.006 χ^2/NDF: 124.8/69

In: 0.002+/-0.005 χ^2/NDF:58.2/55

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.004+/-0.004 χ^2/NDF: 198.5/117

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.554+/-0.006 χ^2/NDF: 5962782.2/32

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

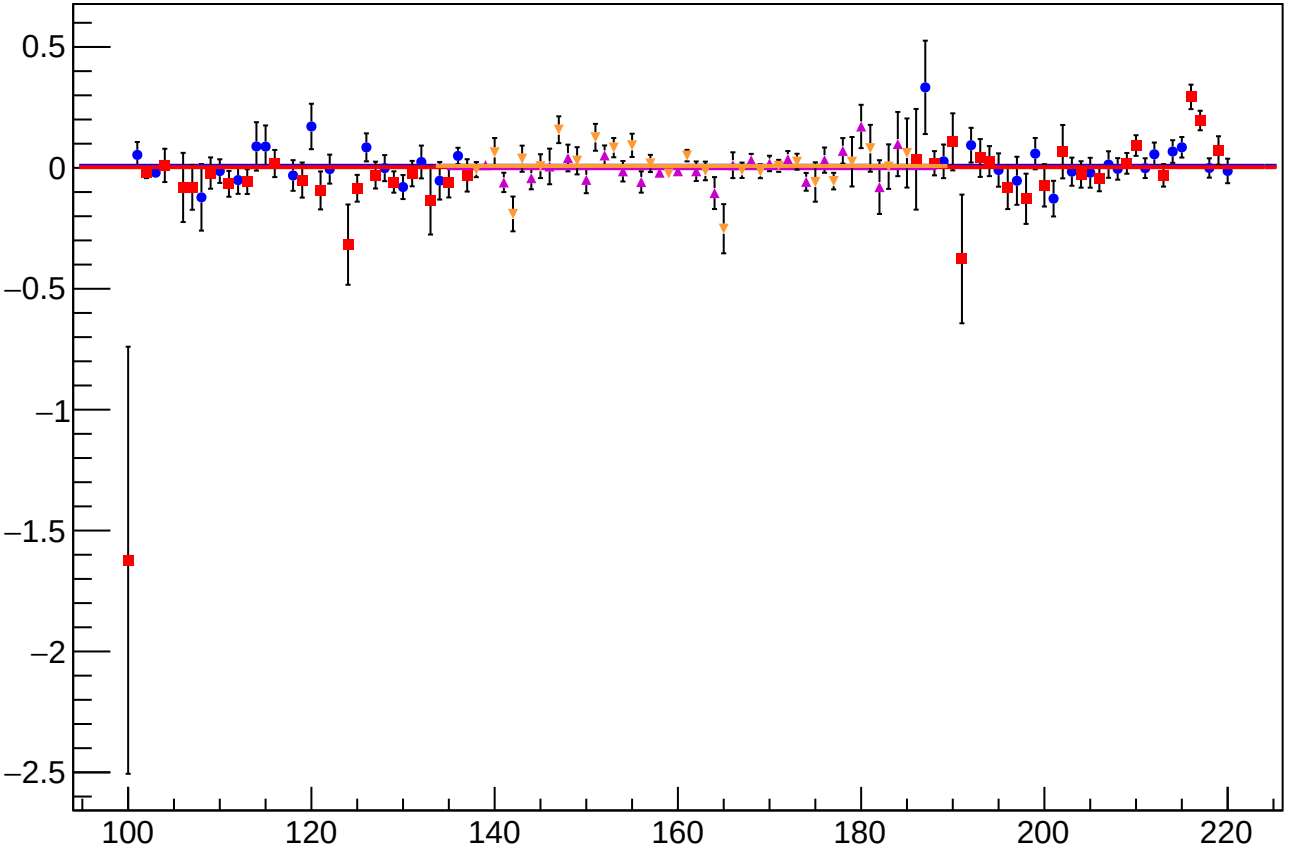
Right: 36.456+/-0.005 χ^2/NDF: 12700355.6/69

In: 27.968+/-0.004 χ^2/NDF:16500322.1/55

Out: 31.898+/-0.004 χ^2/NDF:14620544.4/61

All: 29.761+/-0.003 χ^2/NDF: 31601279.5/117

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.009 χ^2/NDF: 32.3/32

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

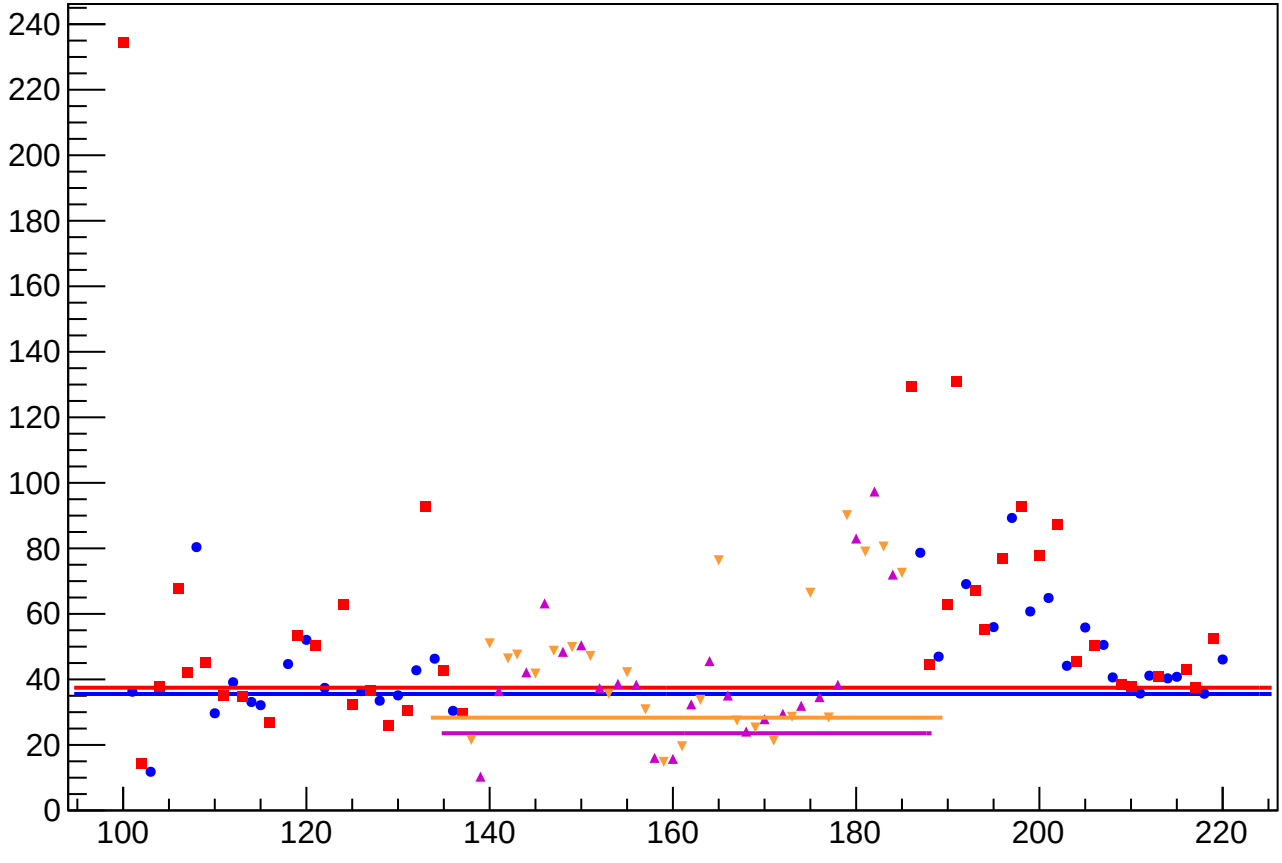
Right: 0.006+/-0.006 χ^2/NDF: 124.8/69

In: 0.002+/-0.005 χ^2/NDF:58.2/55

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.004+/-0.004 χ^2/NDF: 198.5/117

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.554+/-0.006 χ^2/NDF: 5962782.2/32

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

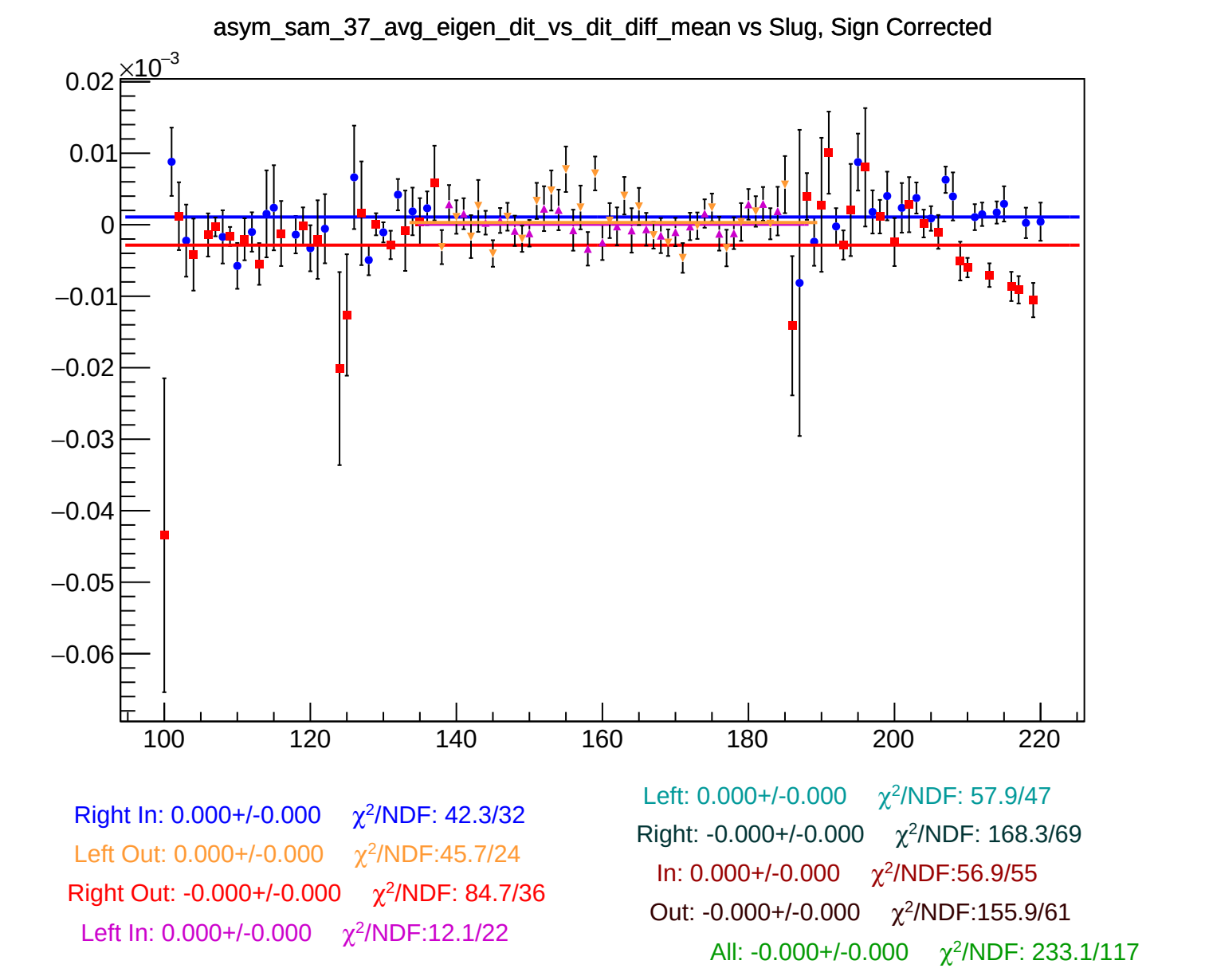
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

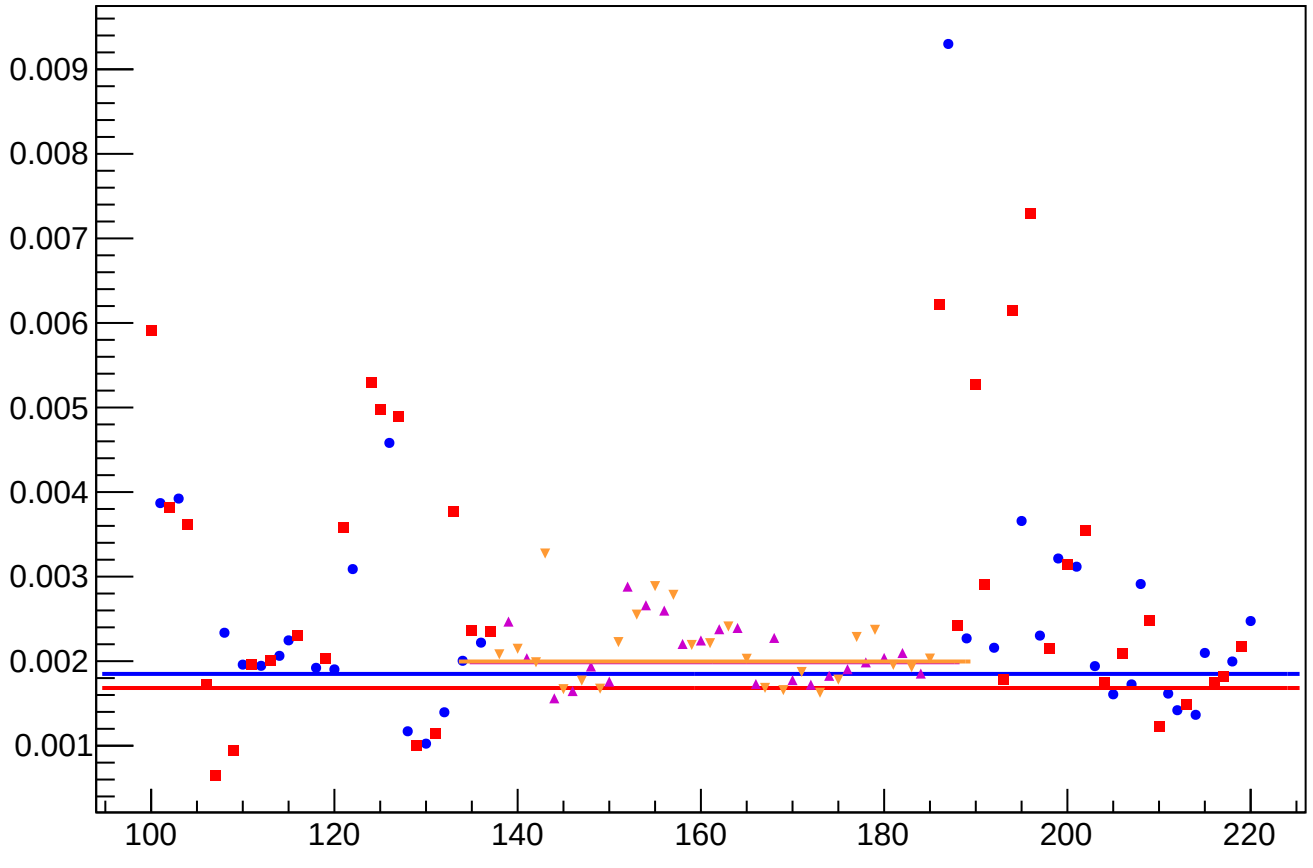
Right: 36.456+/-0.005 χ^2/NDF: 12700355.6/69

In: 27.968+/-0.004 χ^2/NDF:16500322.1/55

Out: 31.898+/-0.004 χ^2/NDF:14620544.4/61

All: 29.761+/-0.003 χ^2/NDF: 31601279.5/117


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 42.3/32
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 84.7/36
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 168.3/69
In: 0.000+/-0.000 χ²/NDF:56.9/55
Out: -0.000+/-0.000 χ²/NDF:155.9/61
All: -0.000+/-0.000 χ²/NDF: 233.1/117



Right In: 0.002+/-0.000 χ^2/NDF: 4295015.8/32

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9077334.7/36

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

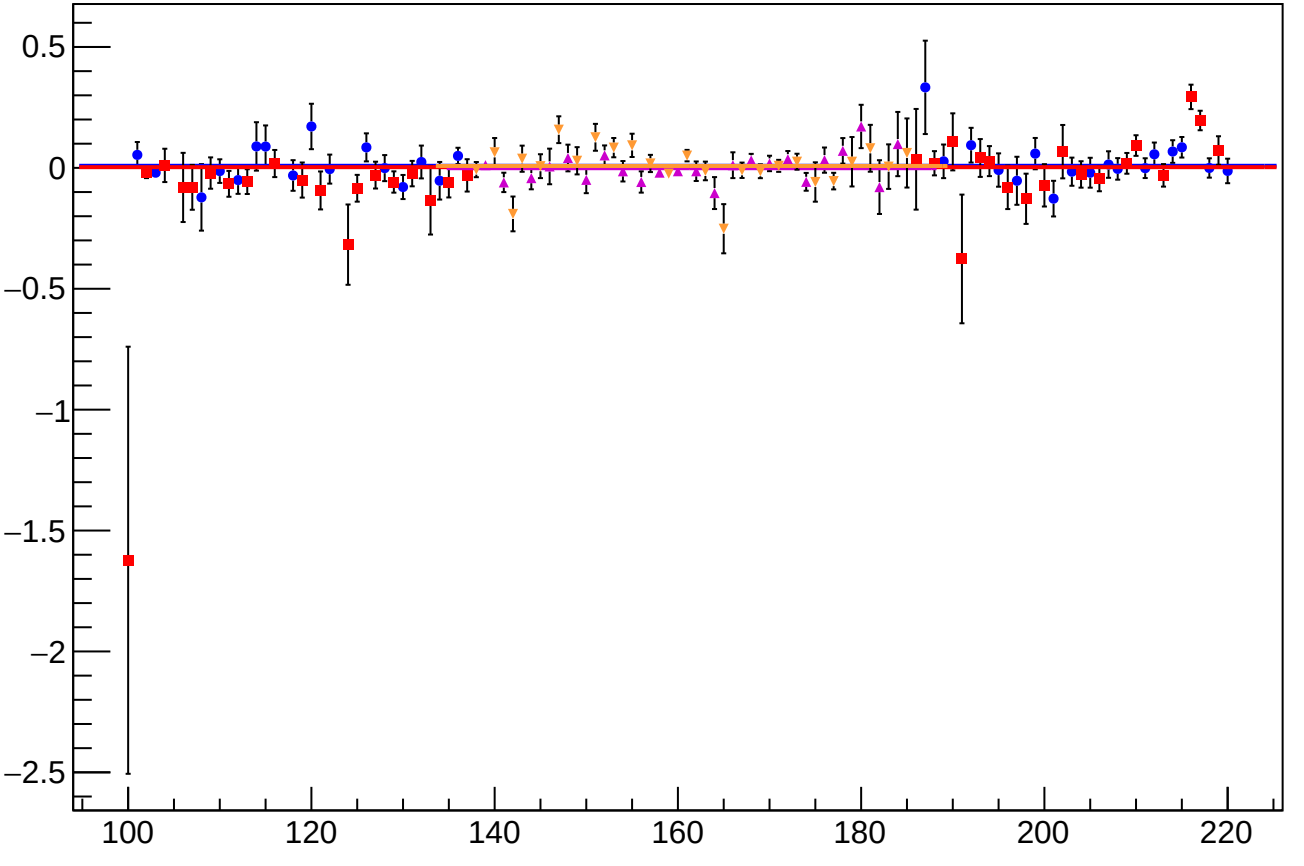
Right: 0.002+/-0.000 χ^2/NDF: 13520392.2/69

In: 0.002+/-0.000 χ^2/NDF:5309357.9/55

Out: 0.002+/-0.000 χ^2/NDF:10751245.5/61

All: 0.002+/-0.000 χ^2/NDF: 16138872.6/117

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.009 χ^2/NDF: 32.3/32

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

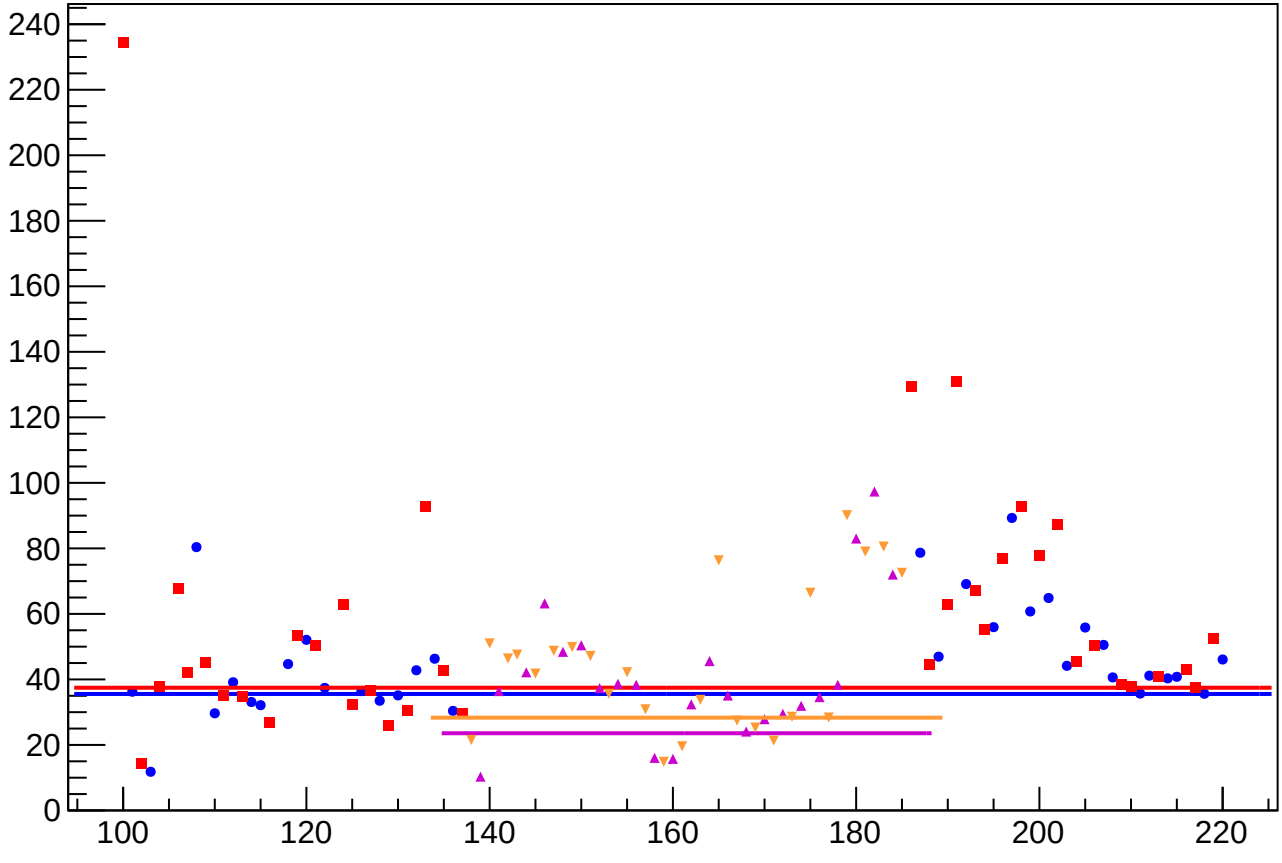
Right: 0.006+/-0.006 χ^2/NDF: 124.8/69

In: 0.002+/-0.005 χ^2/NDF:58.2/55

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.004+/-0.004 χ^2/NDF: 198.5/117

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.553+/-0.006 χ^2/NDF: 5963221.0/32

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

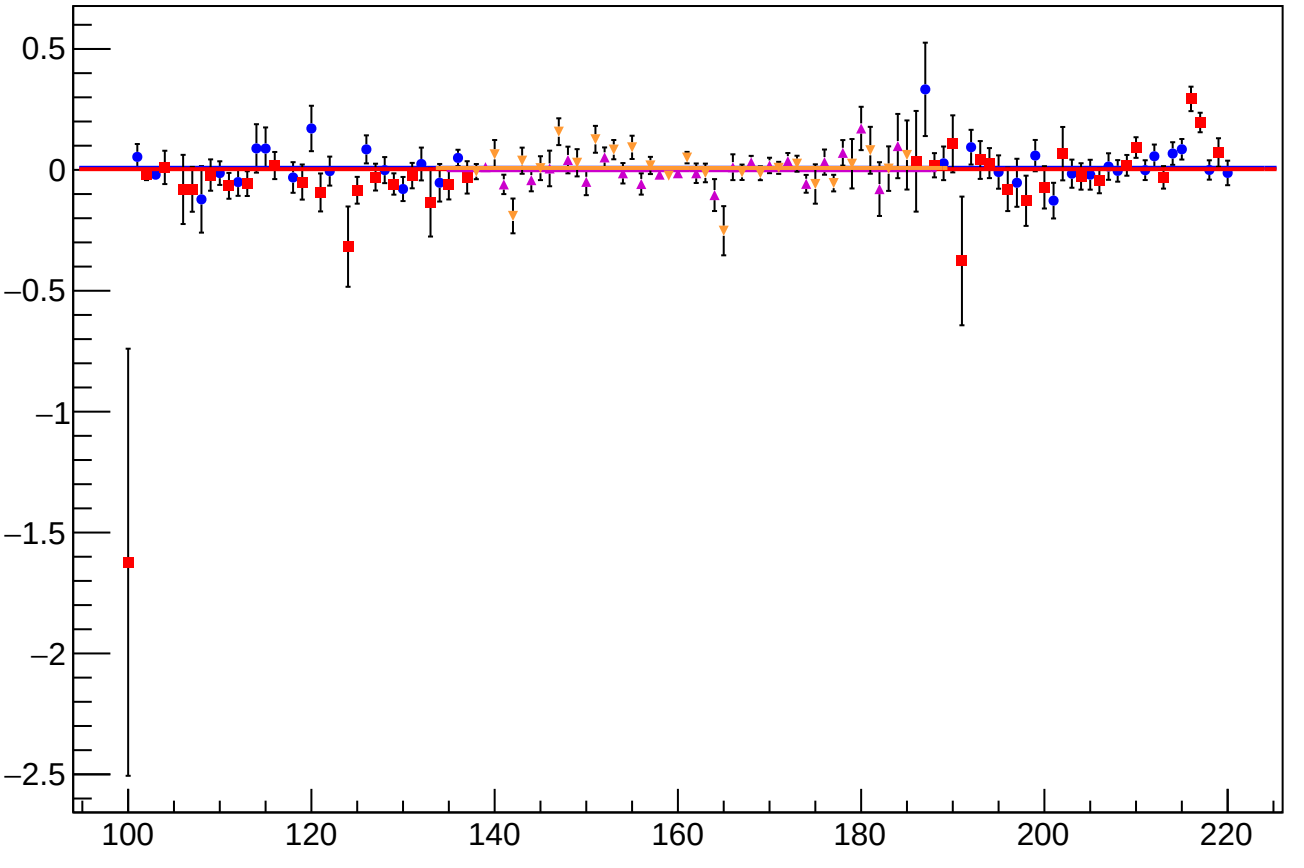
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.457+/-0.005 χ^2/NDF: 12699641.0/69

In: 27.967+/-0.004 χ^2/NDF:16502096.9/55

Out: 31.899+/-0.004 χ^2/NDF:14620292.9/61

All: 29.760+/-0.003 χ^2/NDF: 31603164.8/117



Right In: 0.009+/-0.009 χ^2/NDF: 32.3/32

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

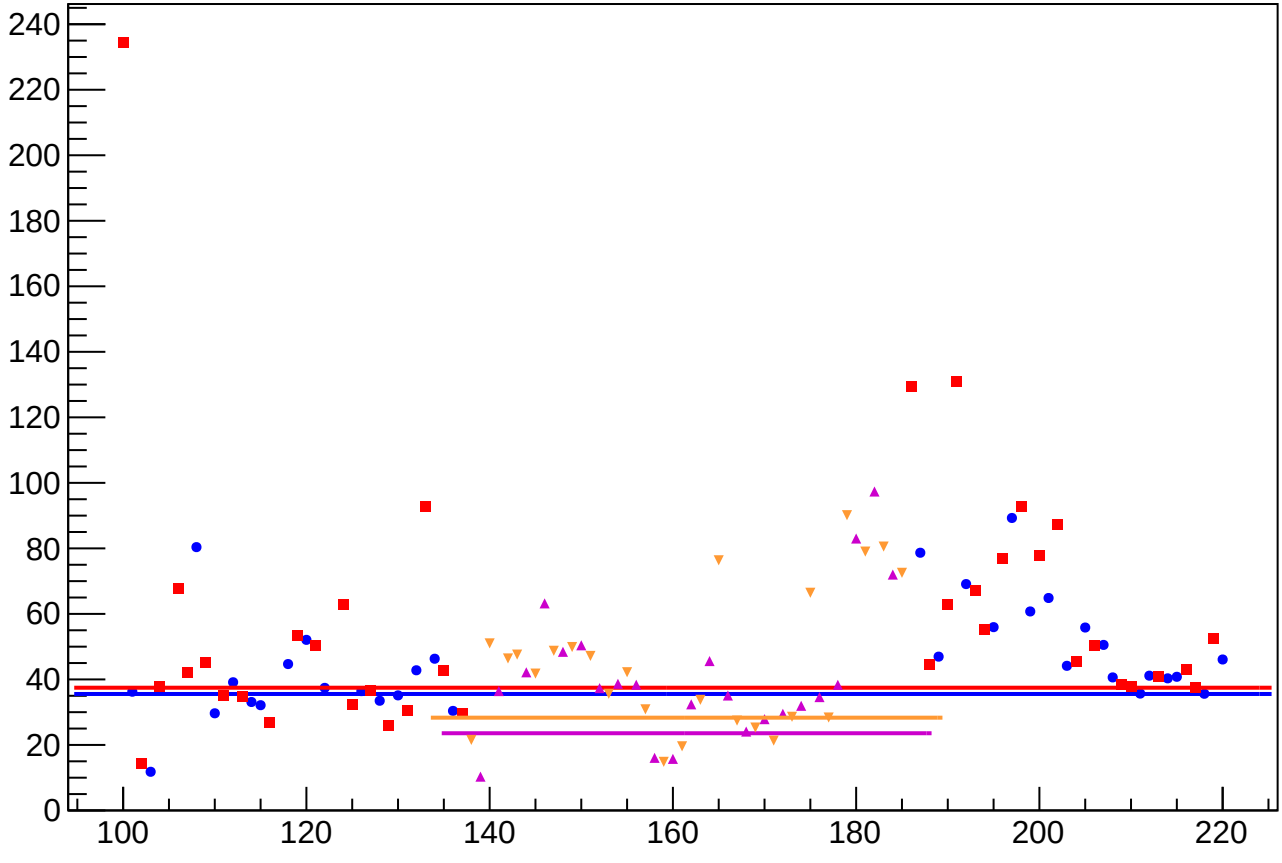
Right: 0.006+/-0.006 χ^2/NDF: 124.8/69

In: 0.002+/-0.005 χ^2/NDF:58.2/55

Out: 0.006+/-0.006 χ^2/NDF:140.1/61

All: 0.004+/-0.004 χ^2/NDF: 198.5/117

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.553+/-0.006 χ^2/NDF: 5963221.0/32

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

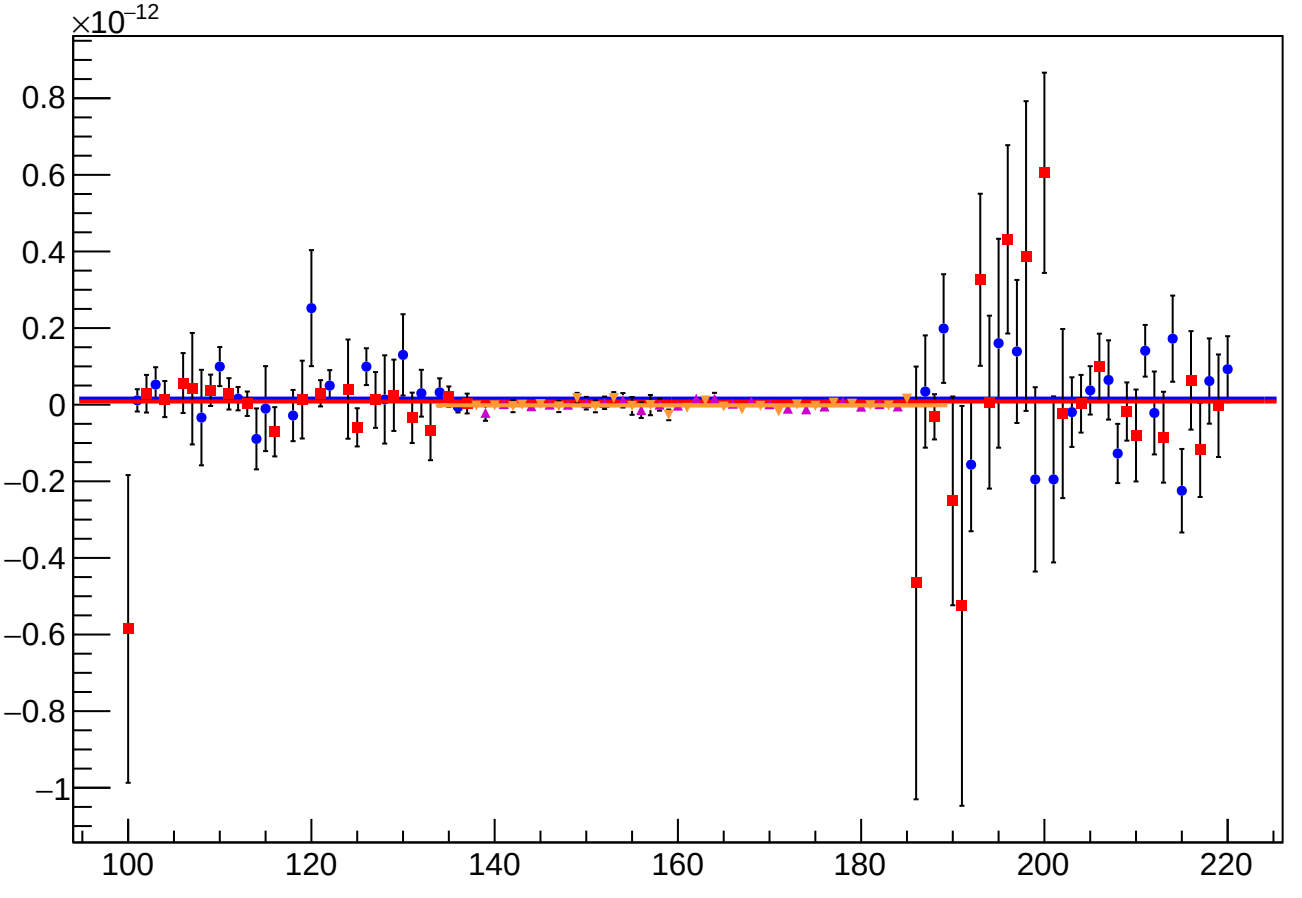
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.457+/-0.005 χ^2/NDF: 12699641.0/69

In: 27.967+/-0.004 χ^2/NDF:16502096.9/55

Out: 31.899+/-0.004 χ^2/NDF:14620292.9/61

All: 29.760+/-0.003 χ^2/NDF: 31603164.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 36.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/36

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

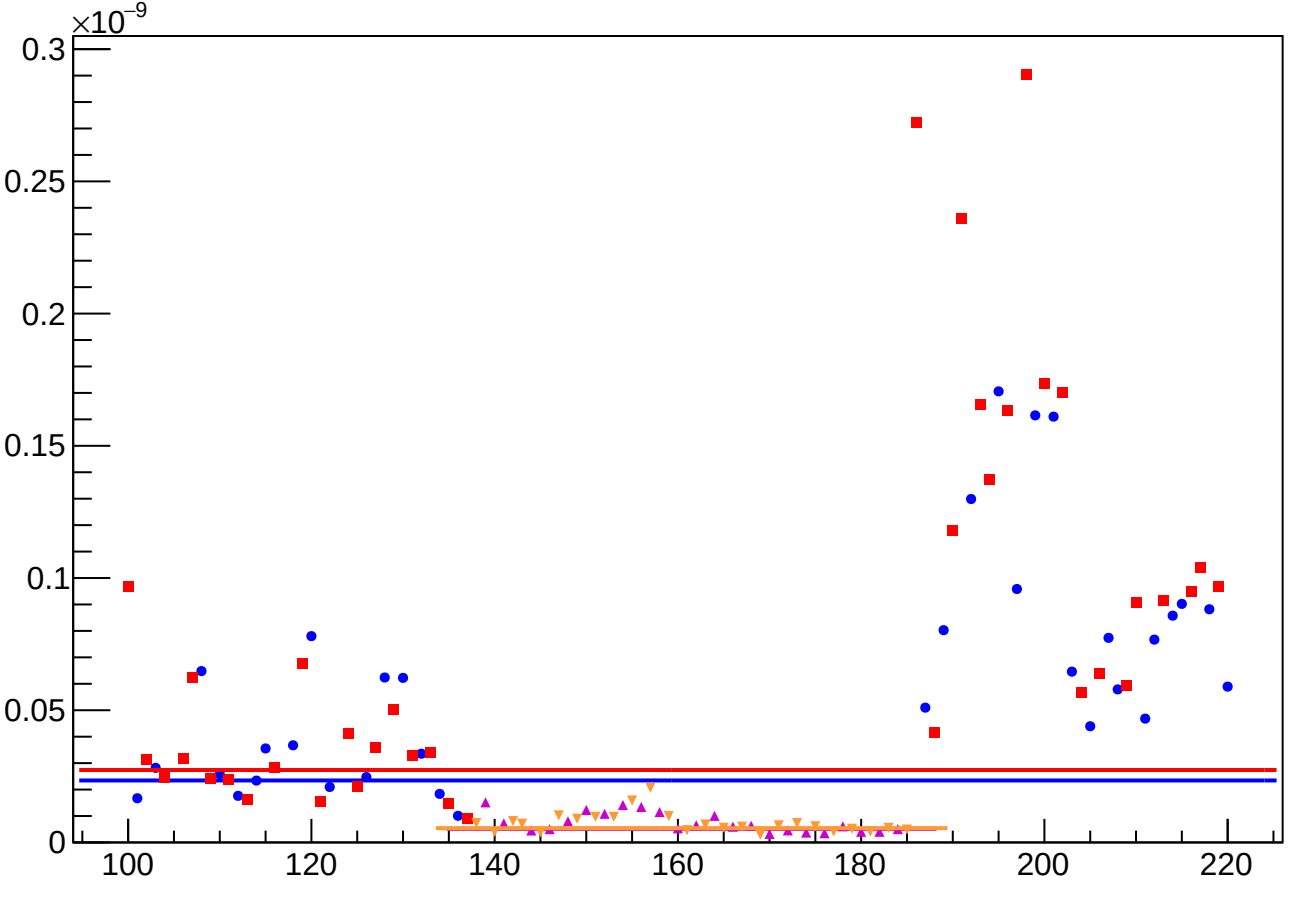
Right: 0.000+/-0.000 χ^2/NDF: 63.5/69

In: -0.000+/-0.000 χ^2/NDF:55.9/55

Out: -0.000+/-0.000 χ^2/NDF:45.3/61

All: -0.000+/-0.000 χ^2/NDF: 101.2/117

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11428585.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11934531.6/36

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

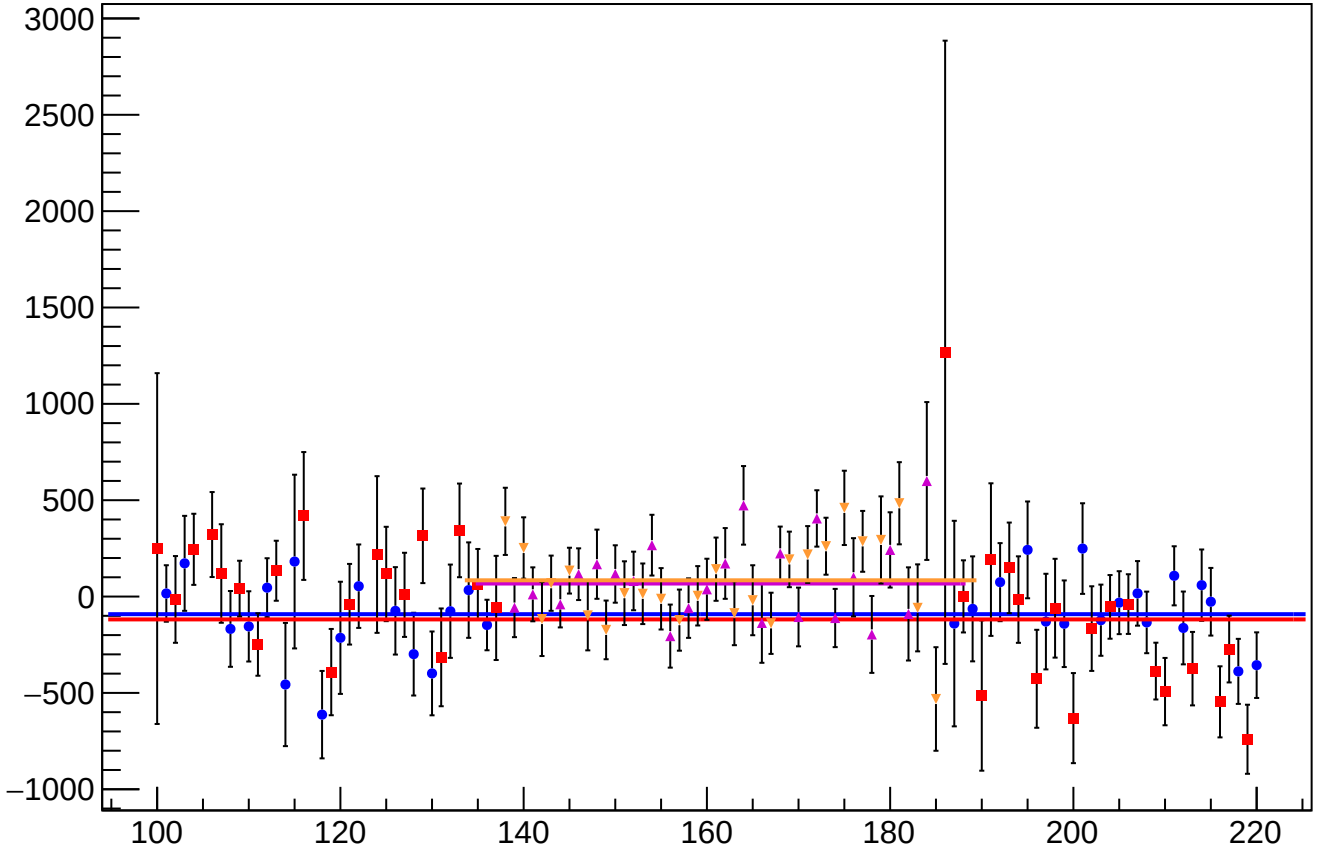
Right: 0.000+/-0.000 χ^2/NDF: 23535509.5/69

In: 0.000+/-0.000 χ^2/NDF:23004644.5/55

Out: 0.000+/-0.000 χ^2/NDF:24141594.0/61

All: 0.000+/-0.000 χ^2/NDF: 47161620.1/117

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -91.448+/-34.551 χ^2/NDF: 27.1/32

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -118.602+/-34.720 χ^2/NDF: 67.2/36

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

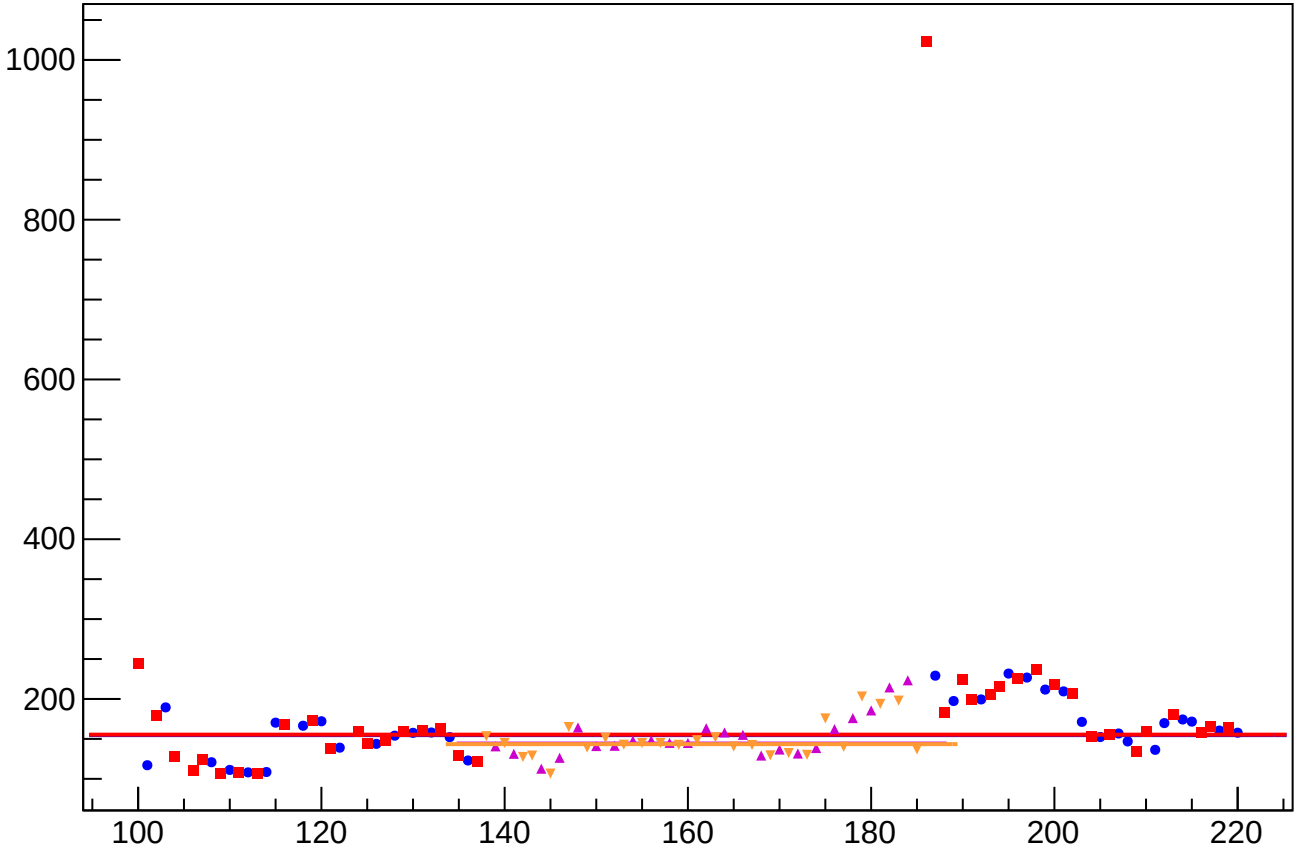
Right: -104.959+/-24.491 χ^2/NDF: 94.6/69

In: -10.941+/-24.284 χ^2/NDF:64.4/55

Out: -12.097+/-23.933 χ^2/NDF:118.9/61

All: -11.527+/-17.046 χ^2/NDF: 183.3/117

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 154.754+/-0.024 χ^2/NDF: 1608822.2/32

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.326+/-0.025 χ^2/NDF: 2530510.5/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

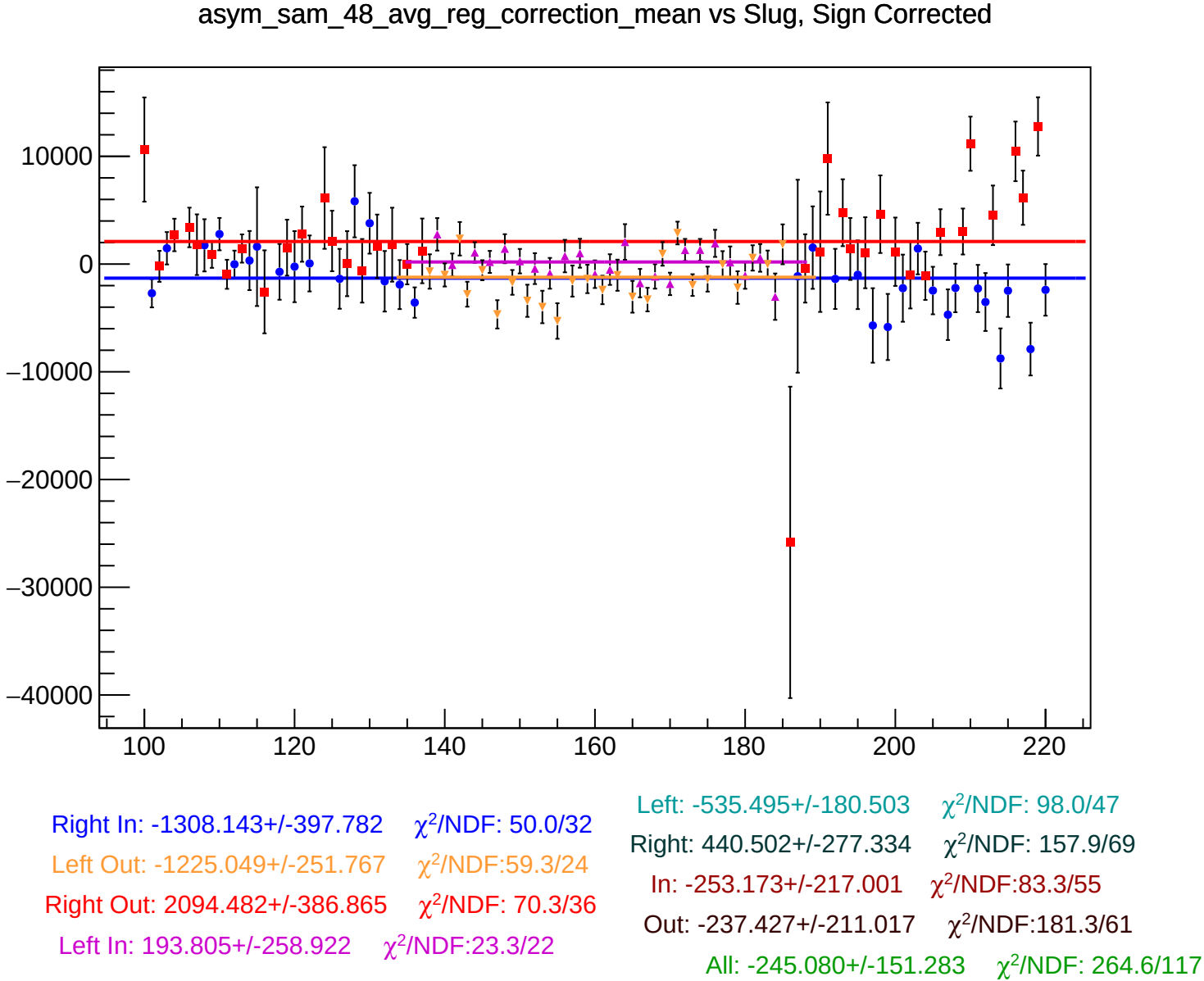
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 155.038+/-0.017 χ^2/NDF: 4139605.5/69

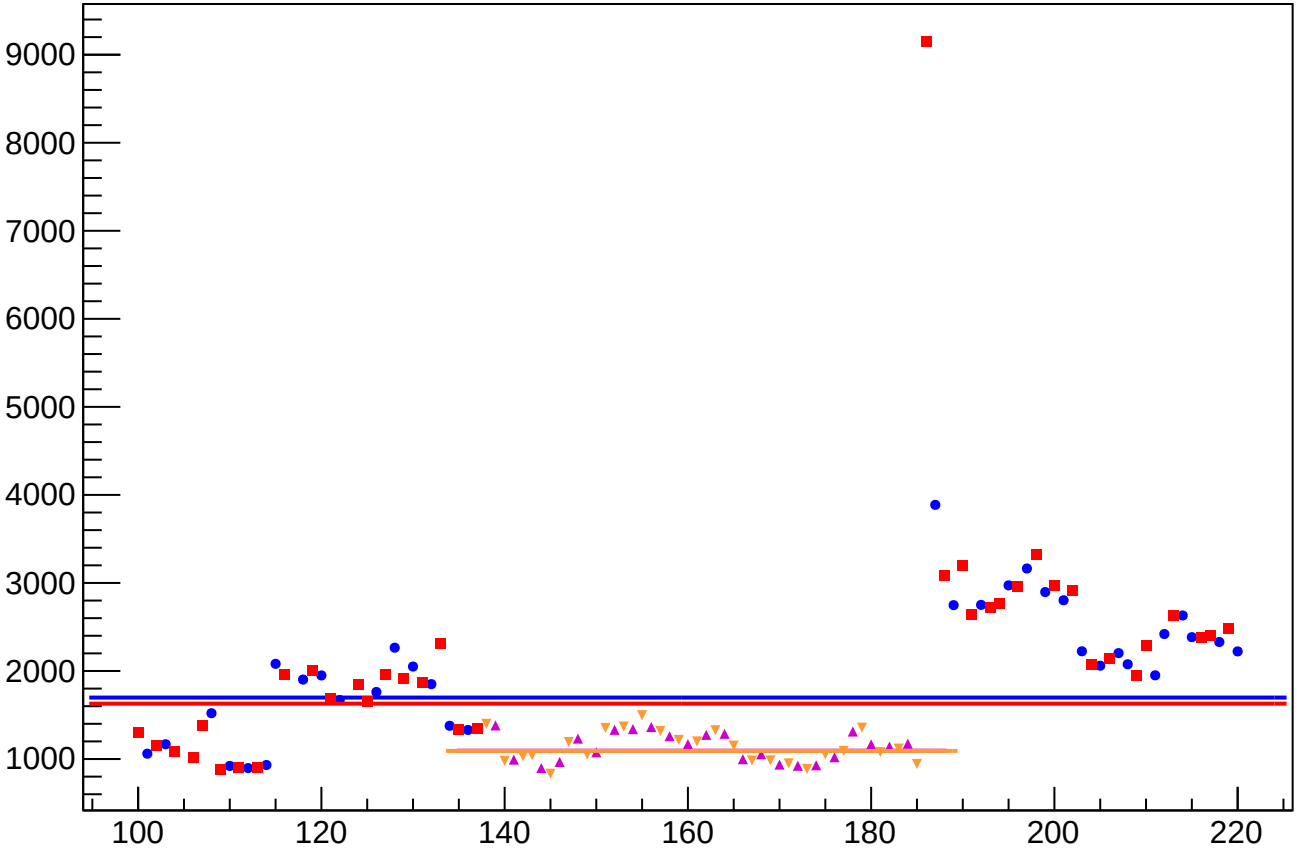
In: 149.398+/-0.017 χ^2/NDF:2406493.7/55

Out: 149.089+/-0.017 χ^2/NDF:3400495.9/61

All: 149.242+/-0.012 χ^2/NDF: 5807153.7/117


asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -1308.143+/-397.782 χ²/NDF: 50.0/32
Left Out: -1225.049+/-251.767 χ²/NDF:59.3/24
Right Out: 2094.482+/-386.865 χ²/NDF: 70.3/36
Left In: 193.805+/-258.922 χ²/NDF:23.3/22
Left: -535.495+/-180.503 χ²/NDF: 98.0/47
Right: 440.502+/-277.334 χ²/NDF: 157.9/69
In: -253.173+/-217.001 χ²/NDF:83.3/55
Out: -237.427+/-211.017 χ²/NDF:181.3/61
All: -245.080+/-151.283 χ²/NDF: 264.6/117

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1697.903+/-0.281 χ^2/NDF: 5392871.4/32

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1628.862+/-0.274 χ^2/NDF: 7348458.5/36

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

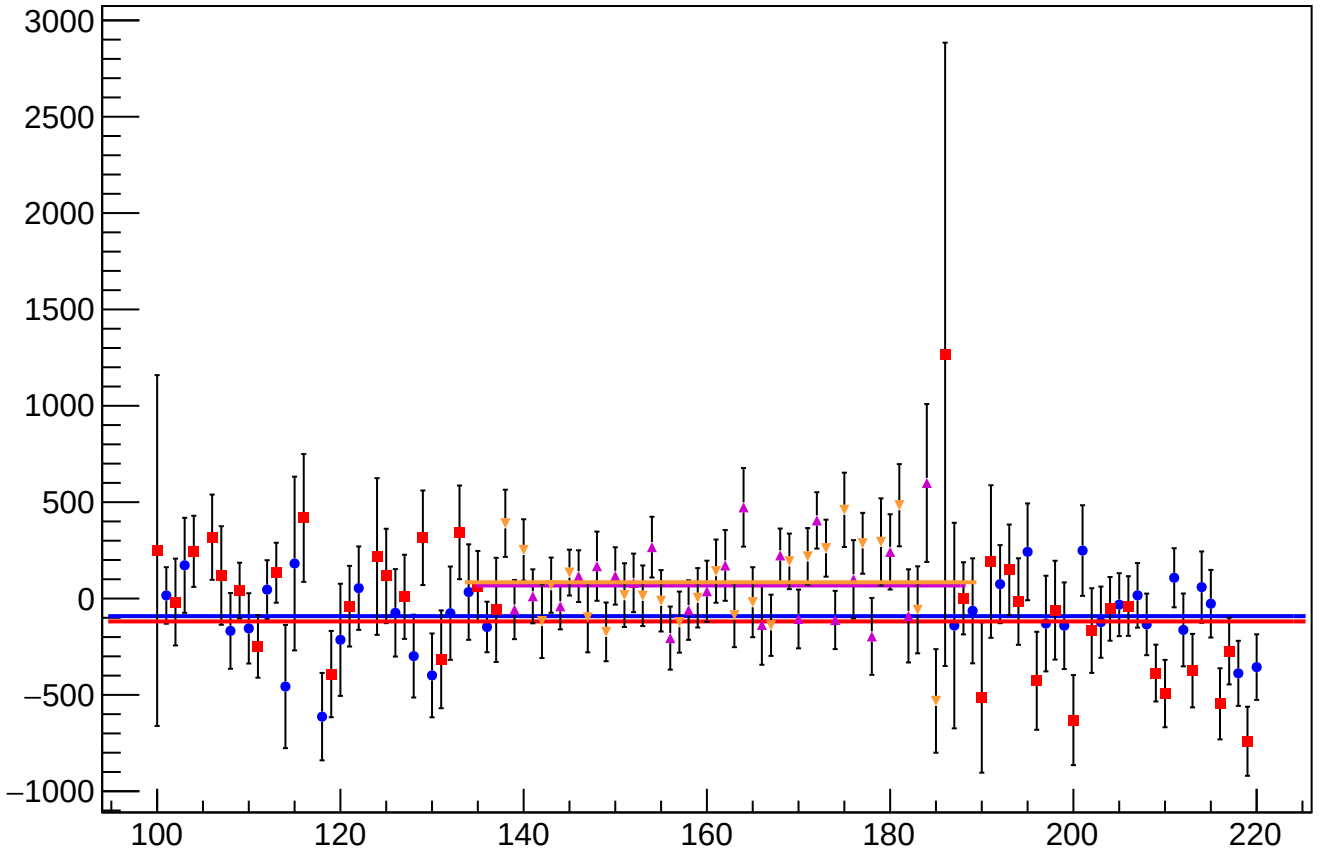
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1662.422+/-0.196 χ^2/NDF: 12772292.9/69

In: 1274.057+/-0.153 χ^2/NDF:9358588.7/55

Out: 1251.712+/-0.149 χ^2/NDF:10946754.2/61

All: 1262.572+/-0.107 χ^2/NDF: 20316242.6/



Right In: -91.454+/-34.551 χ^2/NDF: 27.1/32

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -118.837+/-34.723 χ^2/NDF: 67.1/36

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

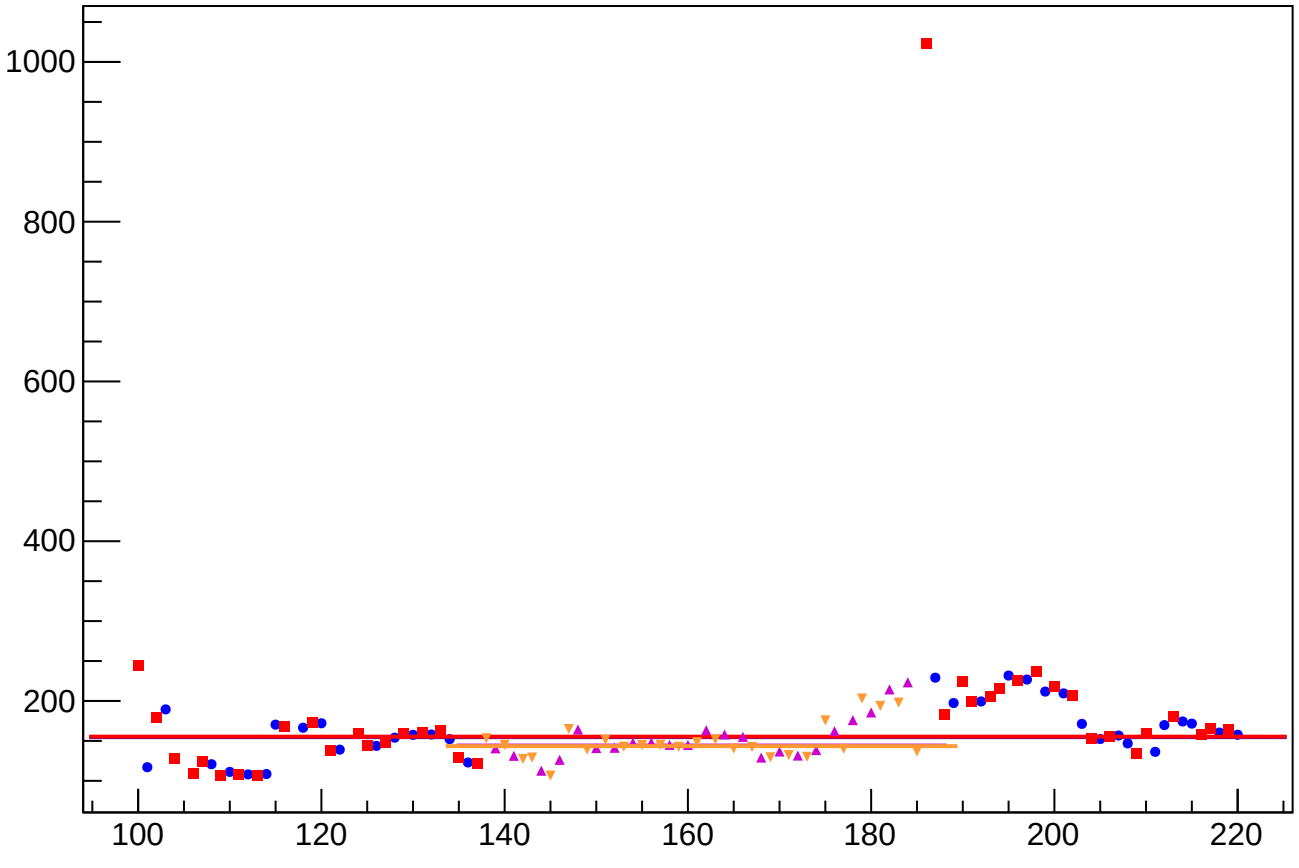
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -105.078+/-24.492 χ^2/NDF: 94.5/69

In: -10.943+/-24.284 χ^2/NDF:64.4/55

Out: -12.192+/-23.934 χ^2/NDF:118.9/61

All: -11.577+/-17.046 χ^2/NDF: 183.3/117



Right In: 154.754+/-0.024 χ^2/NDF: 1608824.4/32

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

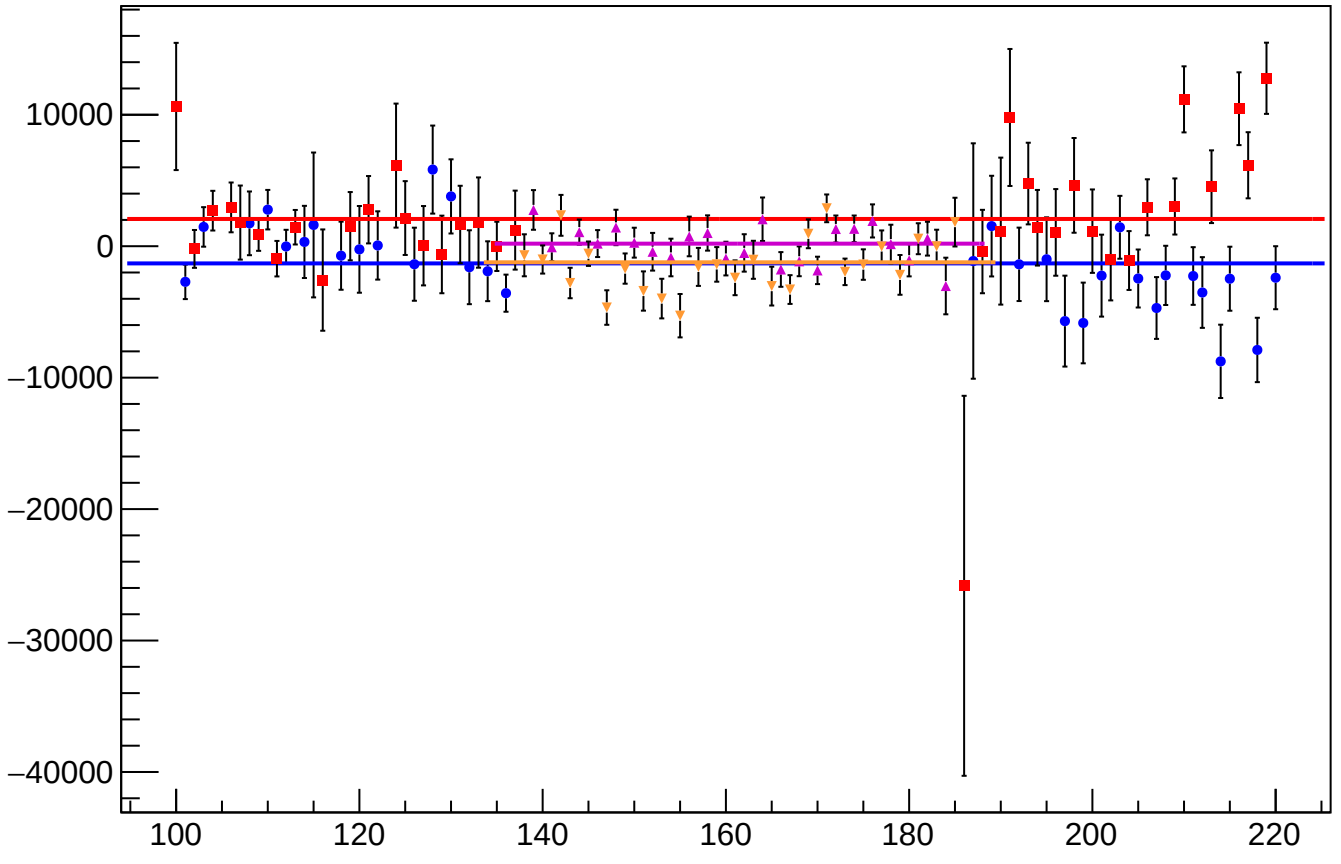
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 155.023+/-0.017 χ^2/NDF: 4145160.5/69

In: 149.398+/-0.017 χ^2/NDF:2406496.2/55

Out: 149.074+/-0.017 χ^2/NDF:3405424.1/61

All: 149.234+/-0.012 χ^2/NDF: 5812101.1/117



Right In: -1308.198+/-397.785 χ^2/NDF: 50.0/32

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 2073.038+/-387.385 χ^2/NDF: 70.0/36

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

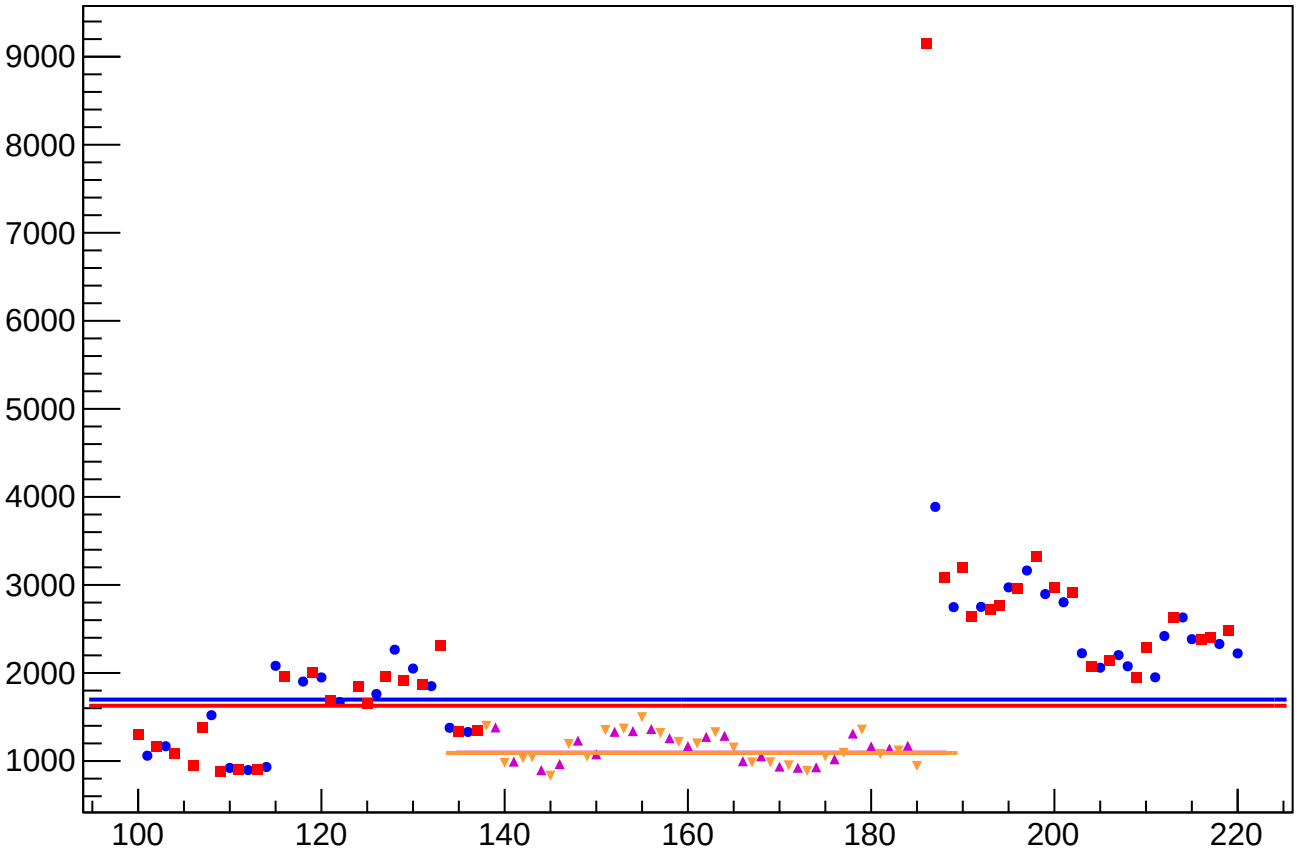
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 427.196+/-277.526 χ^2/NDF: 157.1/69

In: -253.183+/-217.001 χ^2/NDF:83.3/55

Out: -245.646+/-211.101 χ^2/NDF:180.2/61

All: -249.310+/-151.314 χ^2/NDF: 263.5/117



Right In: 1697.917+/-0.281 χ^2/NDF: 5392732.7/32

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

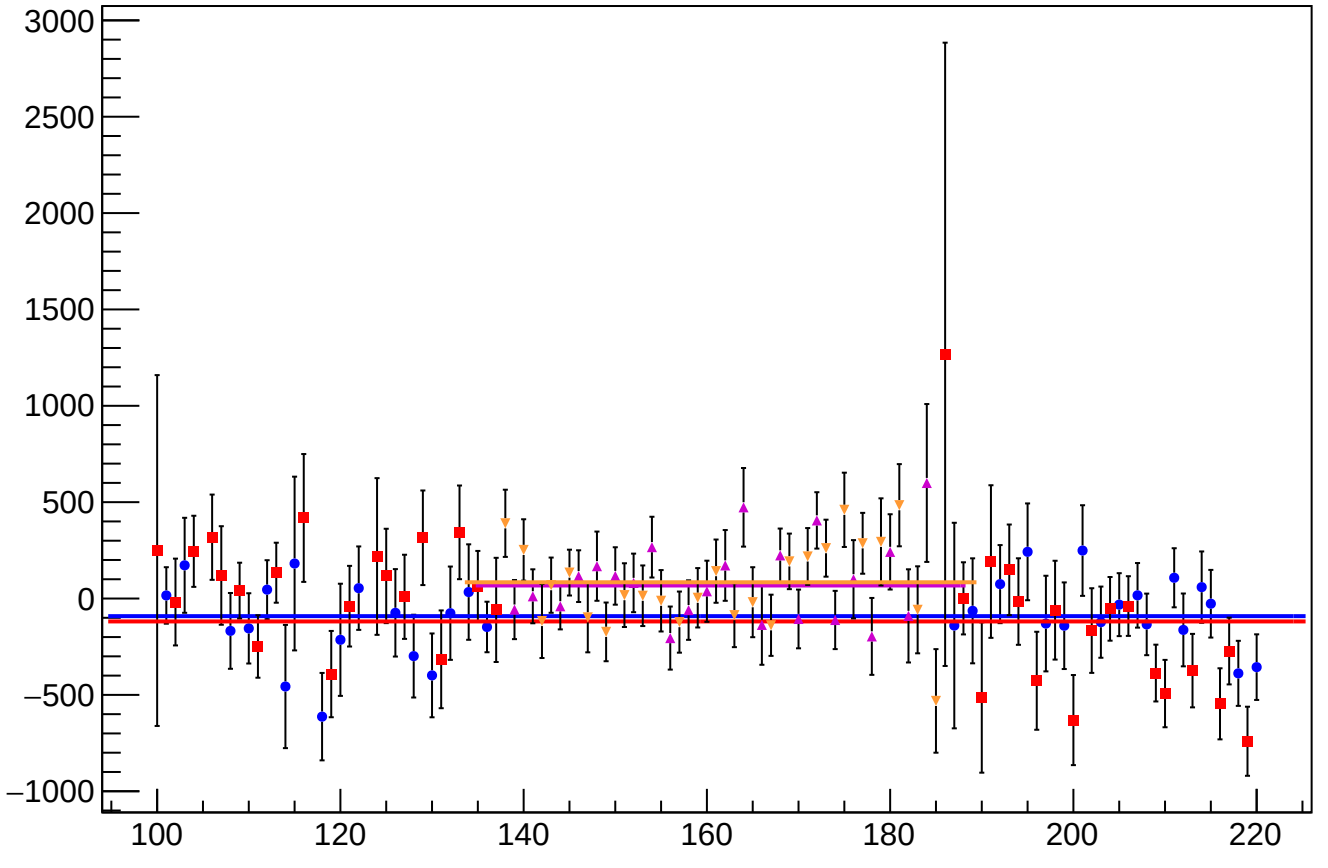
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1662.010+/-0.196 χ^2/NDF: 12803466.0/69

In: 1274.060+/-0.153 χ^2/NDF:9358566.2/55

Out: 1251.142+/-0.149 χ^2/NDF:10963075.7/61

All: 1262.285+/-0.107 χ^2/NDF: 20333103.2/



Right In: -91.454+/-34.551 χ^2/NDF: 27.1/32

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -118.837+/-34.723 χ^2/NDF: 67.1/36

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

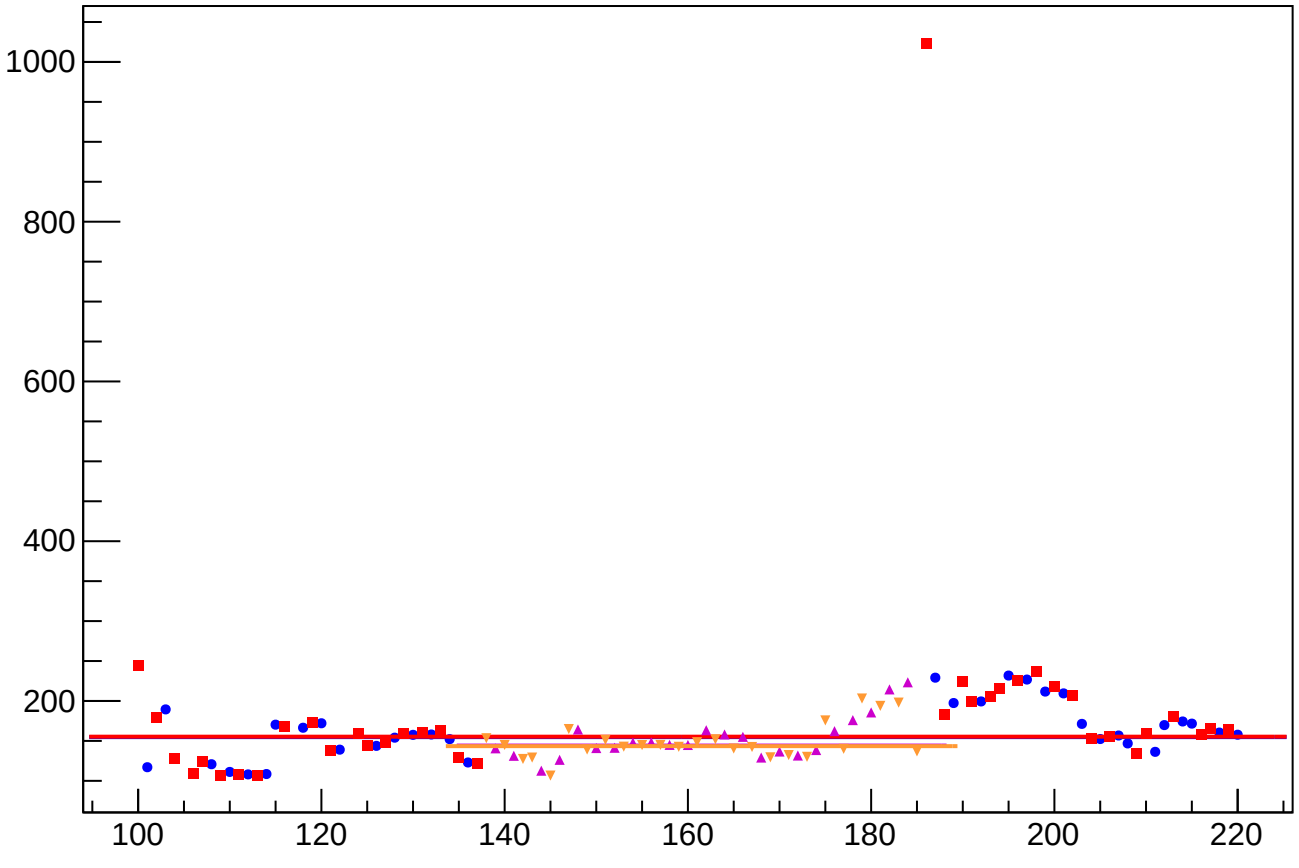
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -105.078+/-24.492 χ^2/NDF: 94.5/69

In: -10.943+/-24.284 χ^2/NDF:64.4/55

Out: -12.192+/-23.934 χ^2/NDF:118.9/61

All: -11.577+/-17.046 χ^2/NDF: 183.3/117



Right In: 154.754+/-0.024 χ^2/NDF: 1608824.4/32

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

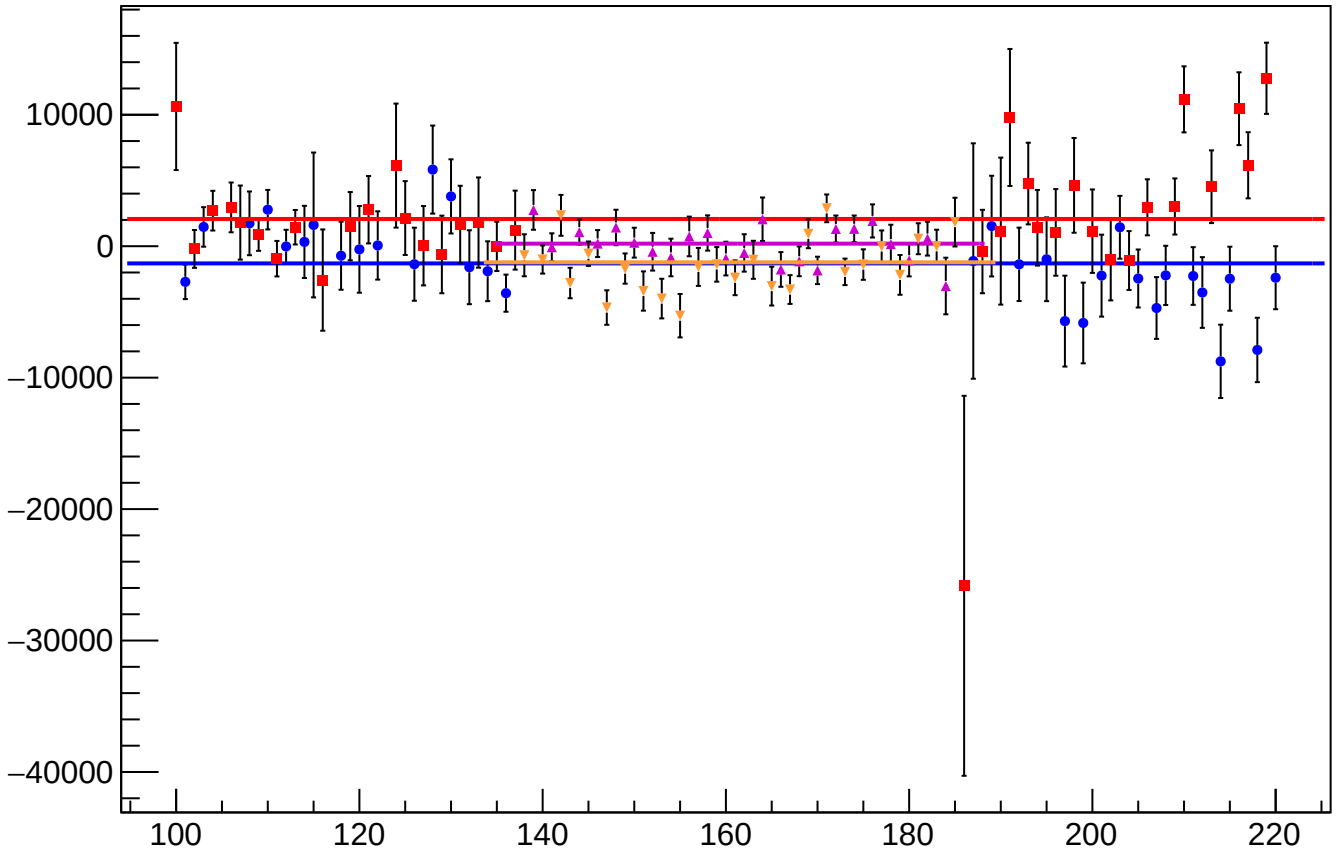
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 155.023+/-0.017 χ^2/NDF: 4145160.5/69

In: 149.398+/-0.017 χ^2/NDF:2406496.2/55

Out: 149.074+/-0.017 χ^2/NDF:3405424.1/61

All: 149.234+/-0.012 χ^2/NDF: 5812101.1/117



Right In: -1308.198+/-397.785 χ^2/NDF: 50.0/32

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 2073.038+/-387.385 χ^2/NDF: 70.0/36

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

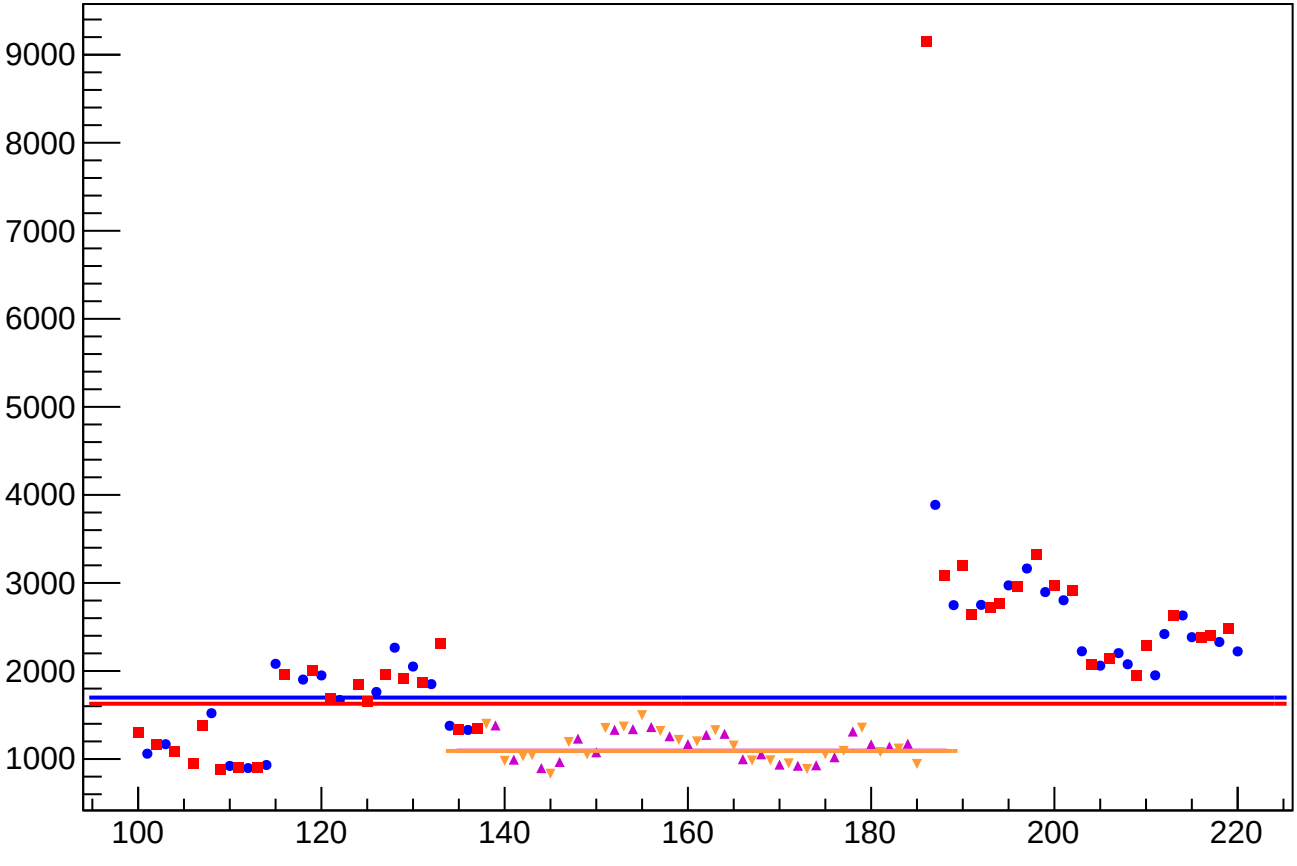
Right: 427.196+/-277.526 χ^2/NDF: 157.1/69

In: -253.183+/-217.001 χ^2/NDF:83.3/55

Out: -245.646+/-211.101 χ^2/NDF:180.2/61

All: -249.310+/-151.314 χ^2/NDF: 263.5/117

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1697.917+/-0.281 χ^2/NDF: 5392732.7/32

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

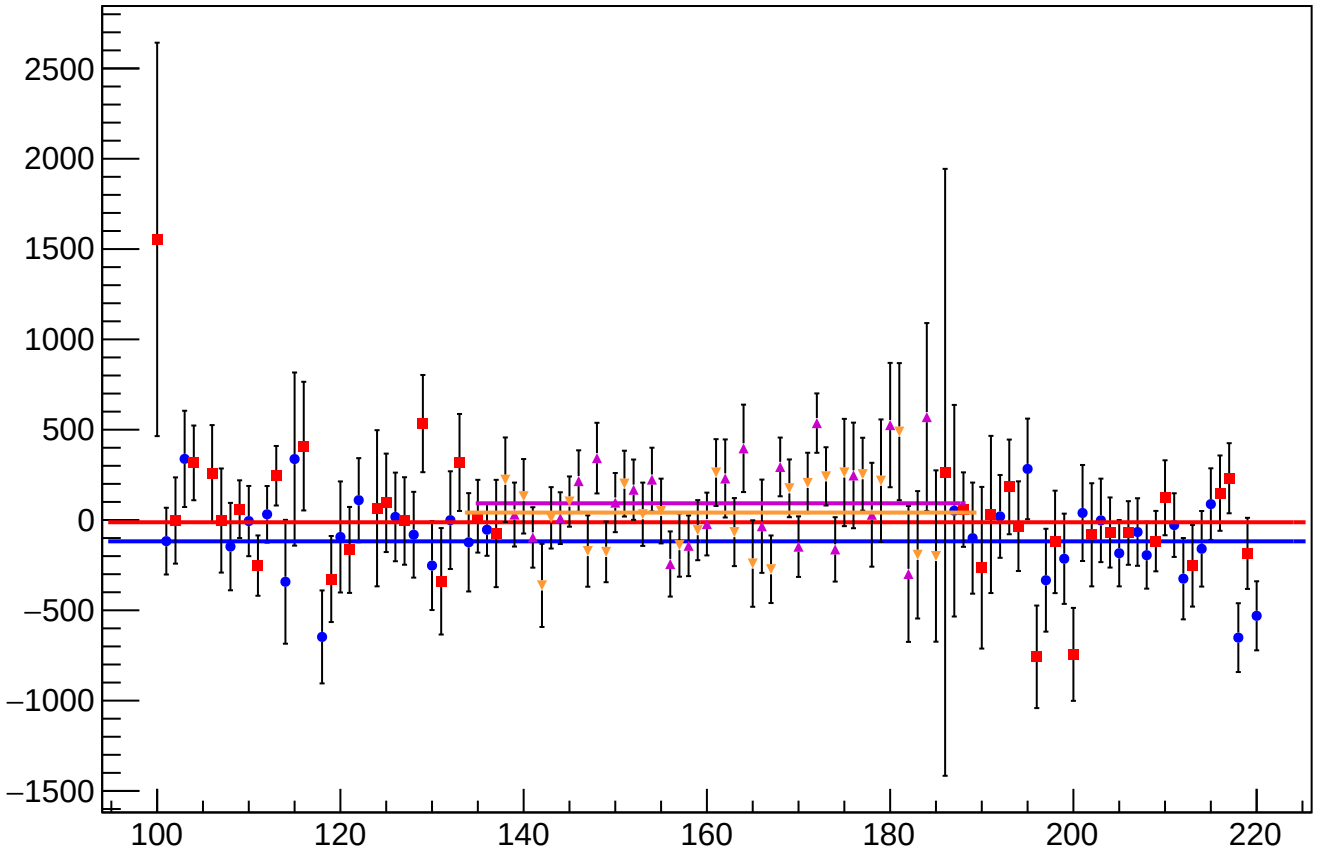
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1662.010+/-0.196 χ^2/NDF: 12803466.0/69

In: 1274.060+/-0.153 χ^2/NDF:9358566.2/55

Out: 1251.142+/-0.149 χ^2/NDF:10963075.7/61

All: 1262.285+/-0.107 χ^2/NDF: 20333103.2/



Right In: -118.156+/-38.930 χ^2/NDF: 30.7/32

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -12.456+/-38.822 χ^2/NDF: 42.3/36

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

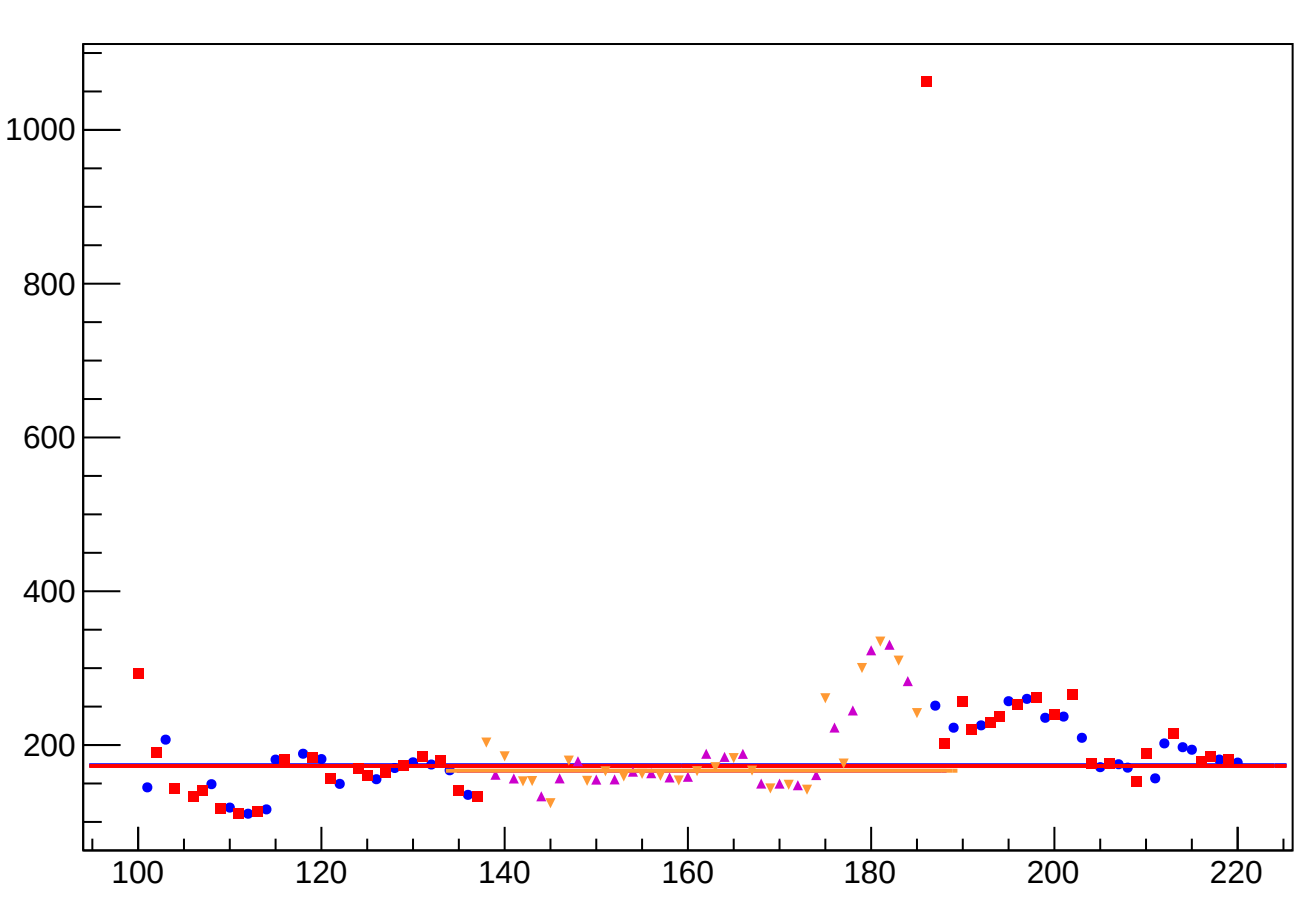
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -65.159+/-27.489 χ^2/NDF: 76.6/69

In: -16.090+/-27.954 χ^2/NDF:74.3/55

Out: 14.071+/-27.576 χ^2/NDF:65.6/61

All: -0.804+/-19.631 χ^2/NDF: 140.5/117



Right In: 173.738+/-0.028 χ^2/NDF: 1761592.5/32

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 172.777+/-0.027 χ^2/NDF: 2772327.1/36

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

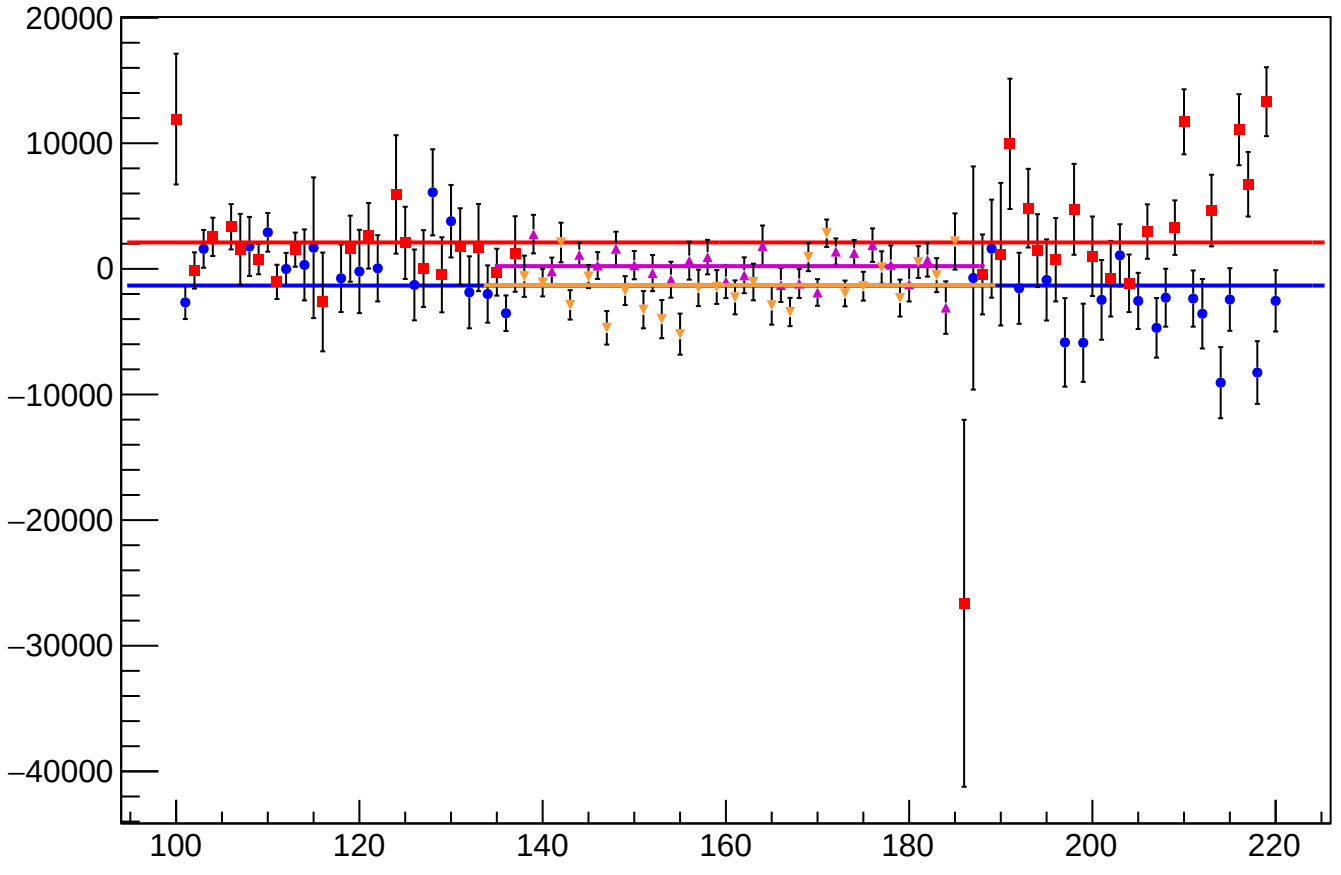
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 173.256+/-0.019 χ^2/NDF: 4534531.4/69

In: 170.139+/-0.020 χ^2/NDF:3189349.6/55

Out: 169.716+/-0.019 χ^2/NDF:4517260.1/61

All: 169.925+/-0.014 χ^2/NDF: 7706842.2/117



Right In: -1328.445+/-402.956 χ^2/NDF: 51.1/32

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 2102.488+/-391.014 χ^2/NDF: 74.7/36

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

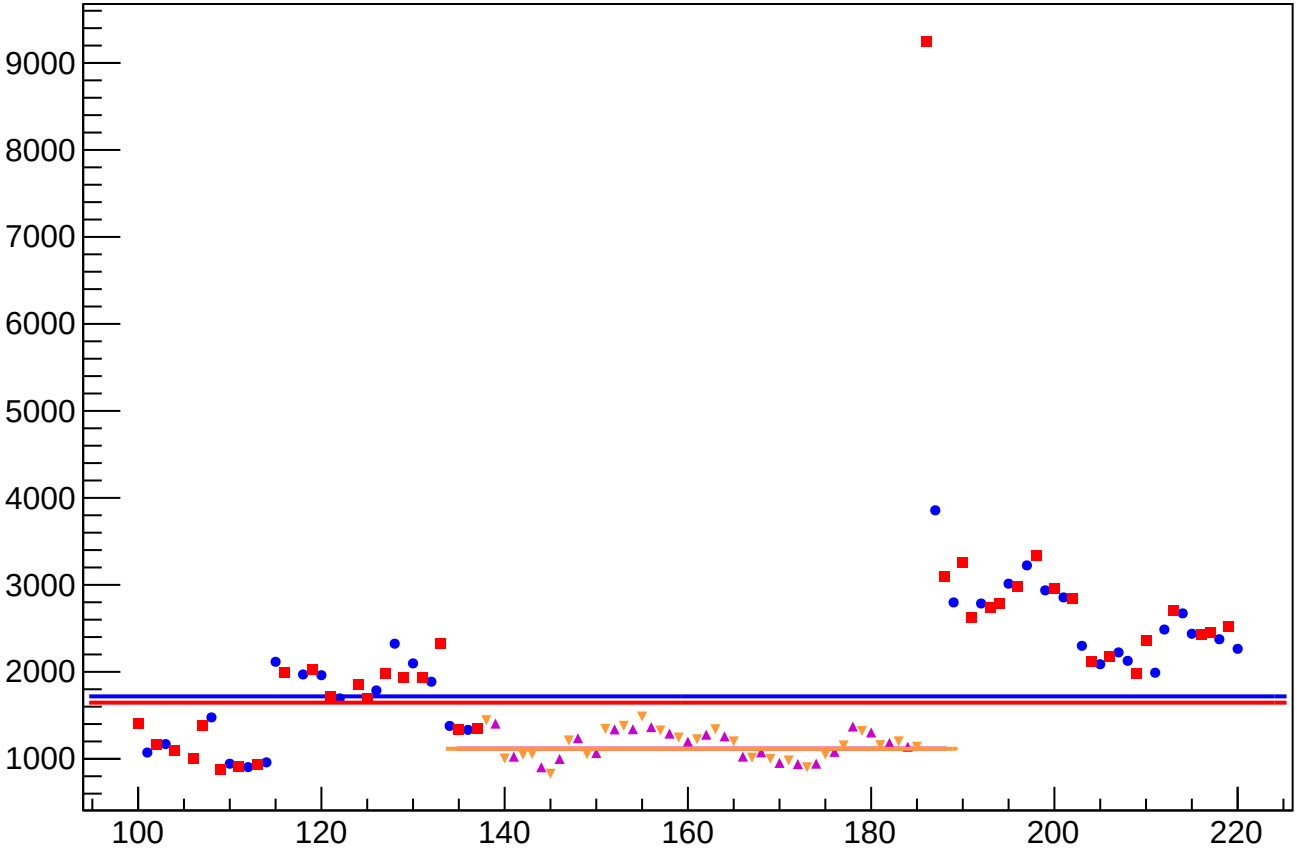
Right: 438.613+/-280.616 χ^2/NDF: 163.1/69

In: -247.889+/-221.054 χ^2/NDF:83.6/55

Out: -272.606+/-214.742 χ^2/NDF:182.6/61

All: -260.606+/-154.029 χ^2/NDF: 266.2/117

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1718.090+/-0.285 χ^2/NDF: 5498227.9/32

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1646.075+/-0.276 χ^2/NDF: 7382094.9/36

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

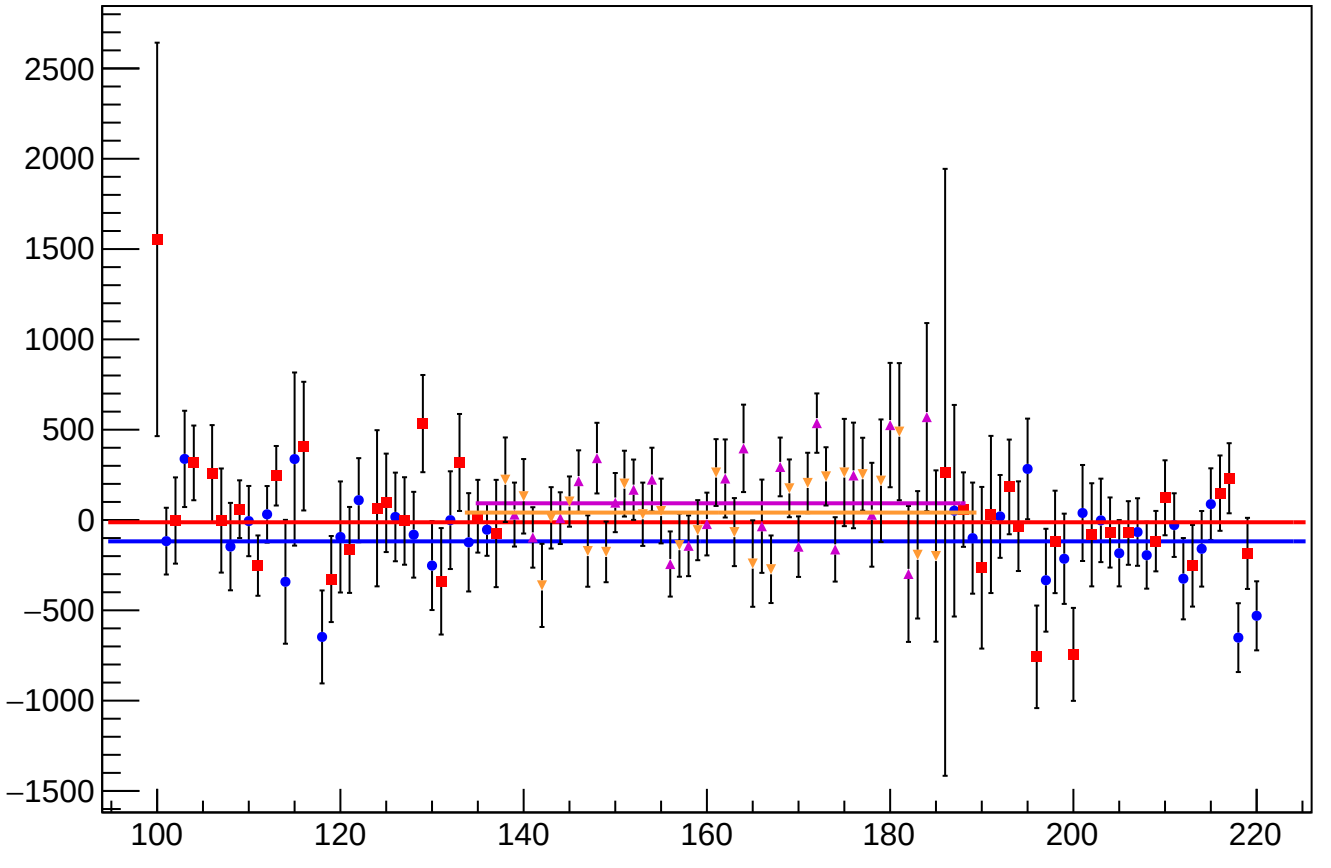
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1681.000+/-0.198 χ^2/NDF: 12913223.8/69

In: 1298.474+/-0.156 χ^2/NDF:9330074.4/55

Out: 1275.900+/-0.152 χ^2/NDF:10816202.8/61

All: 1286.860+/-0.109 χ^2/NDF: 20157007.8/1



Right In: -118.152+/-38.930 χ^2/NDF: 30.7/32

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -12.460+/-38.822 χ^2/NDF: 42.3/36

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

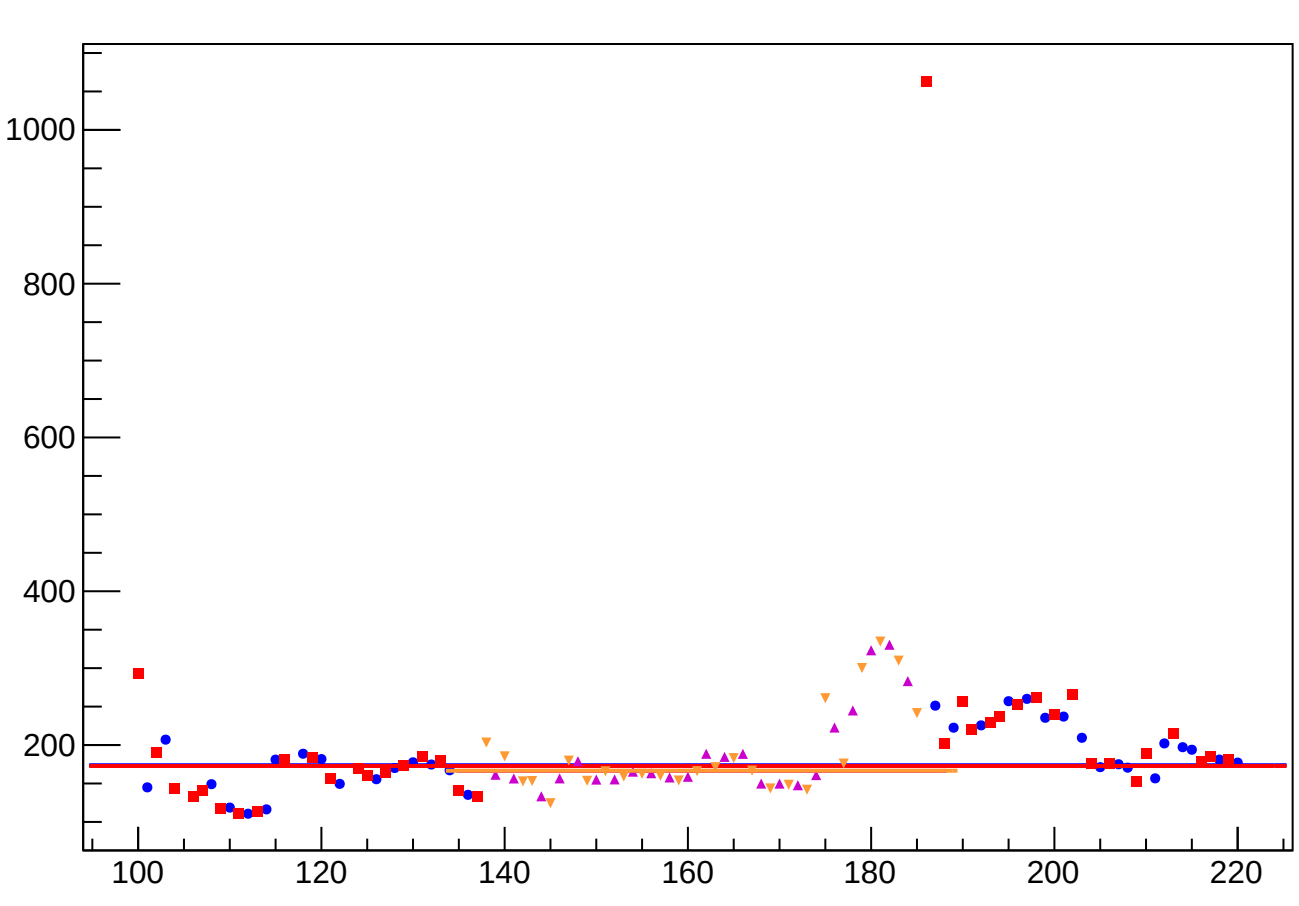
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -65.159+/-27.489 χ^2/NDF: 76.6/69

In: -16.088+/-27.954 χ^2/NDF:74.3/55

Out: 14.070+/-27.576 χ^2/NDF:65.6/61

All: -0.803+/-19.631 χ^2/NDF: 140.5/117



Right In: 173.738+/-0.028 χ^2/NDF: 1761572.4/32

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 172.777+/-0.027 χ^2/NDF: 2772328.2/36

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

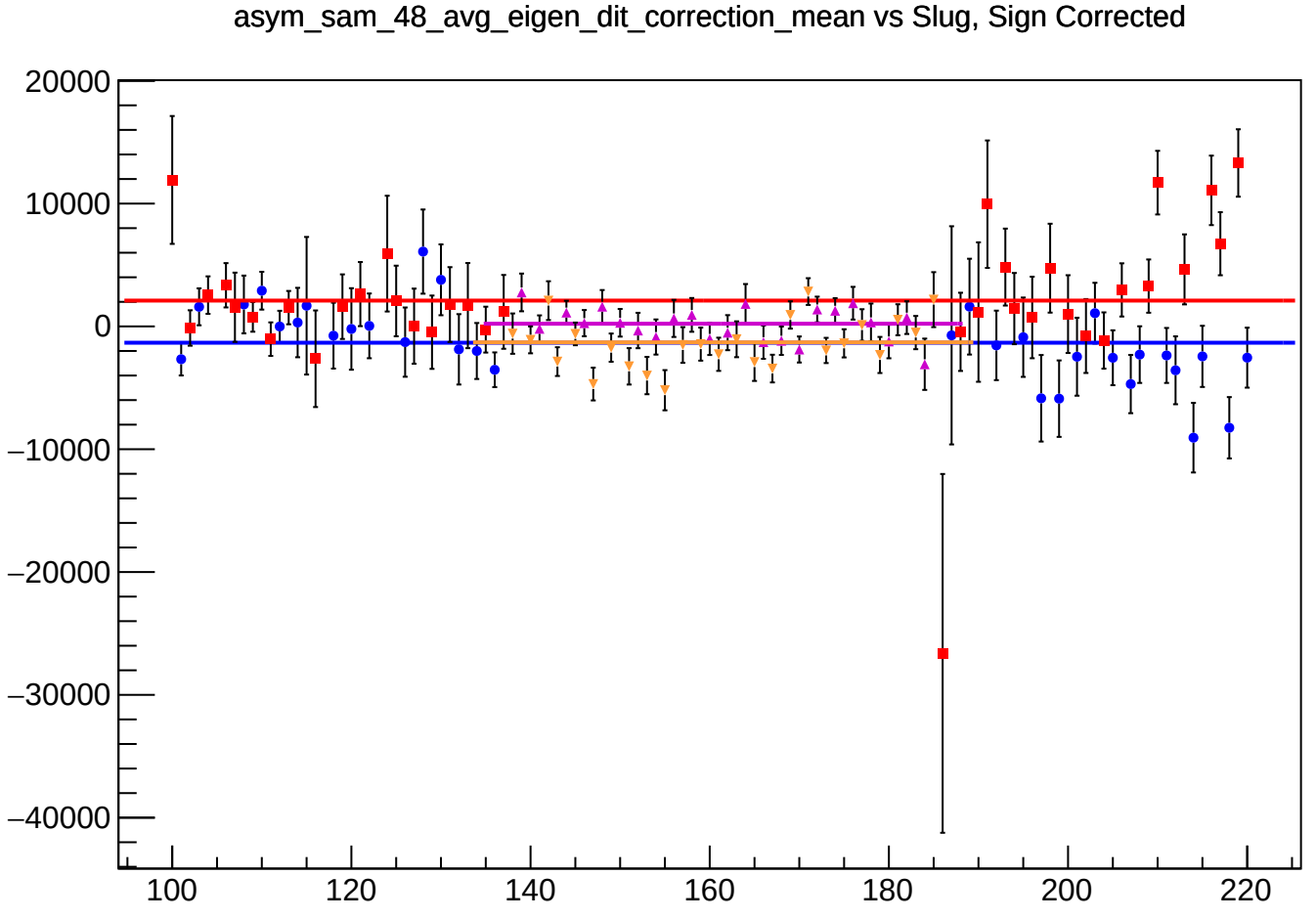
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 173.256+/-0.019 χ^2/NDF: 4534512.3/69

In: 170.139+/-0.020 χ^2/NDF:3189305.5/55

Out: 169.716+/-0.019 χ^2/NDF:4517252.1/61

All: 169.925+/-0.014 χ^2/NDF: 7706790.0/117



Right In: -1328.443+/-402.955 χ^2/NDF: 51.1/32

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 2102.485+/-391.014 χ^2/NDF: 74.7/36

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

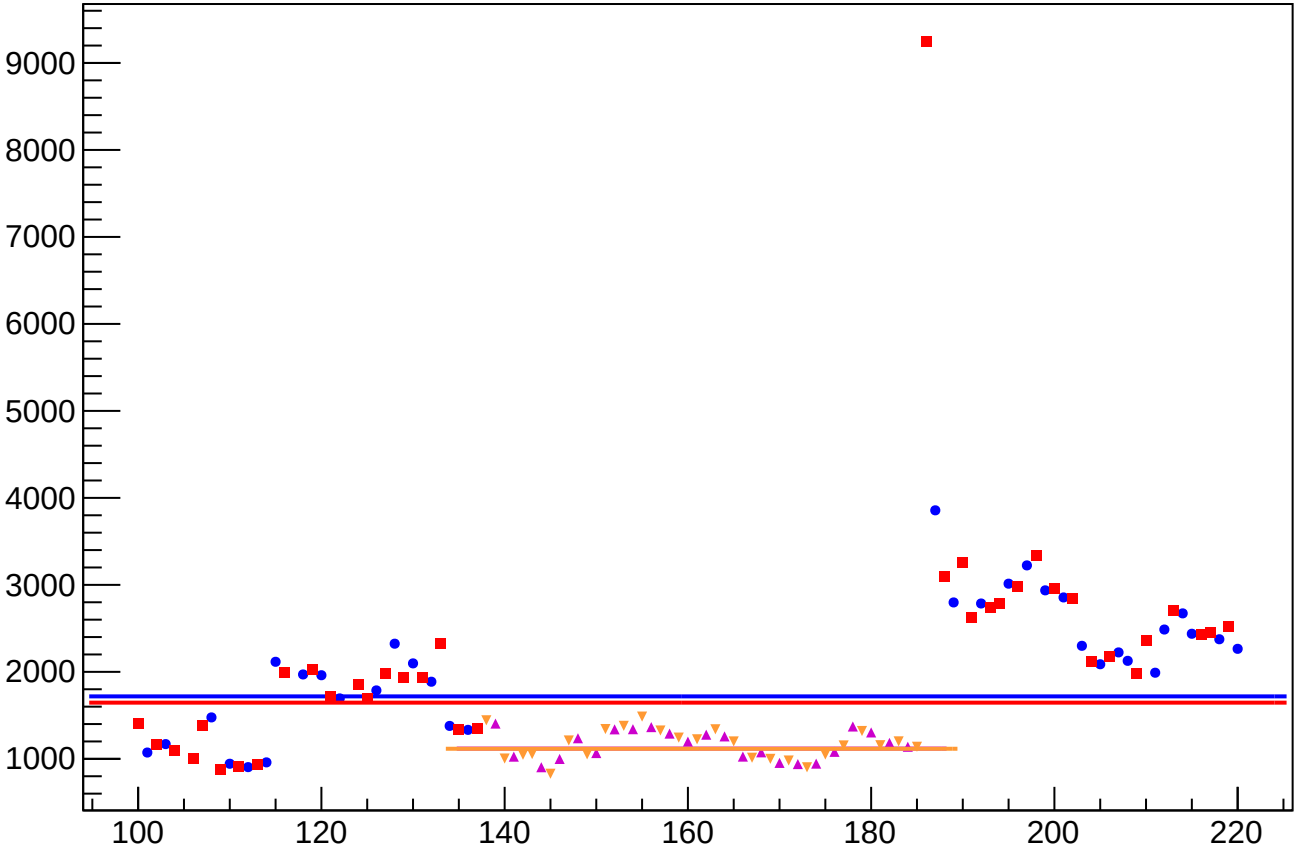
Right: 438.613+/-280.615 χ^2/NDF: 163.1/69

In: -247.889+/-221.054 χ^2/NDF:83.6/55

Out: -272.607+/-214.741 χ^2/NDF:182.6/61

All: -260.606+/-154.028 χ^2/NDF: 266.2/117

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1718.089+/-0.285 χ^2/NDF: 5498228.5/32

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1646.073+/-0.276 χ^2/NDF: 7382094.6/36

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

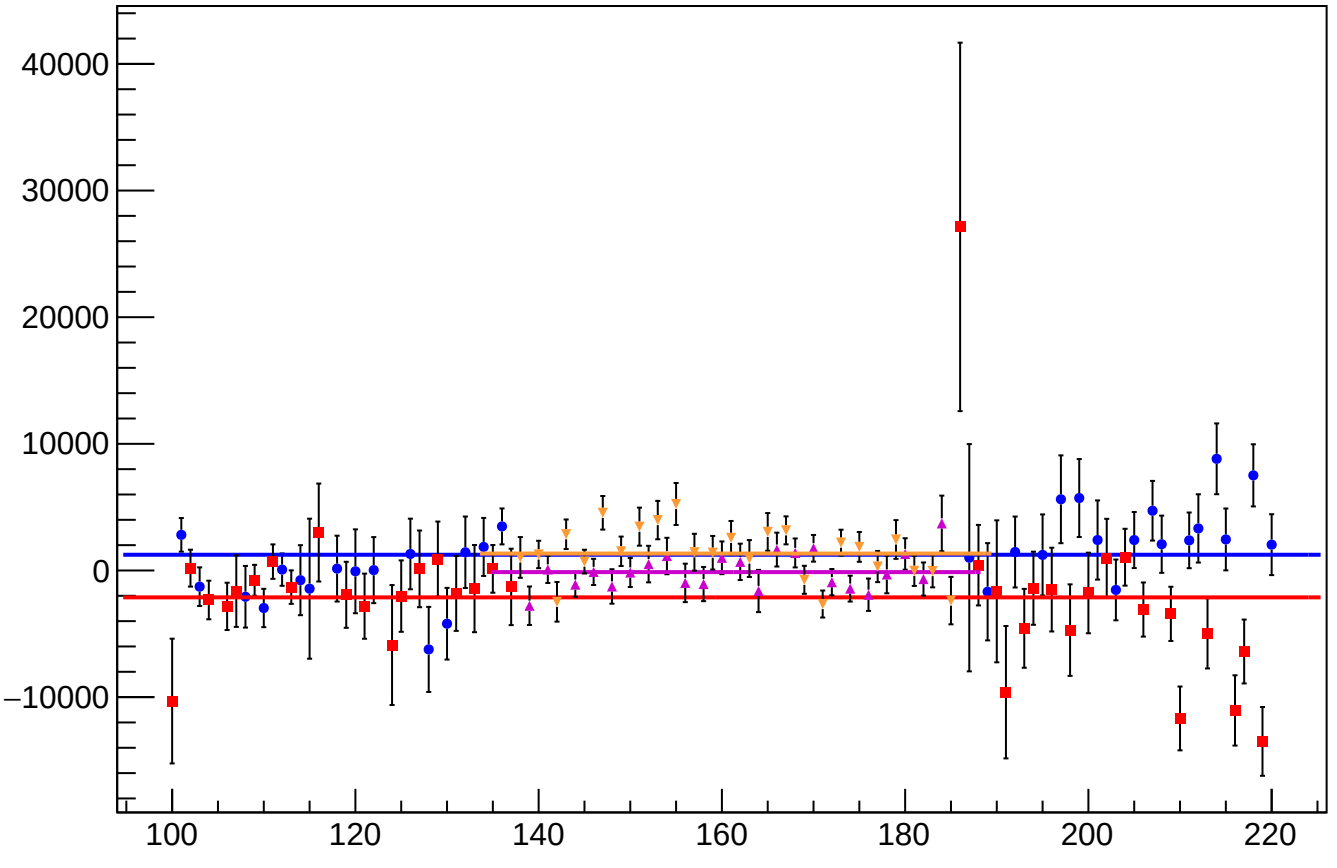
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1680.998+/-0.198 χ^2/NDF: 12913224.0/69

In: 1298.472+/-0.156 χ^2/NDF:9330082.7/55

Out: 1275.898+/-0.152 χ^2/NDF:10816213.6/61

All: 1286.858+/-0.109 χ^2/NDF: 20157027.0/1



Right In: 1241.876+/-400.032 χ^2/NDF: 50.5/32

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -2123.015+/-389.216 χ^2/NDF: 74.8/36

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

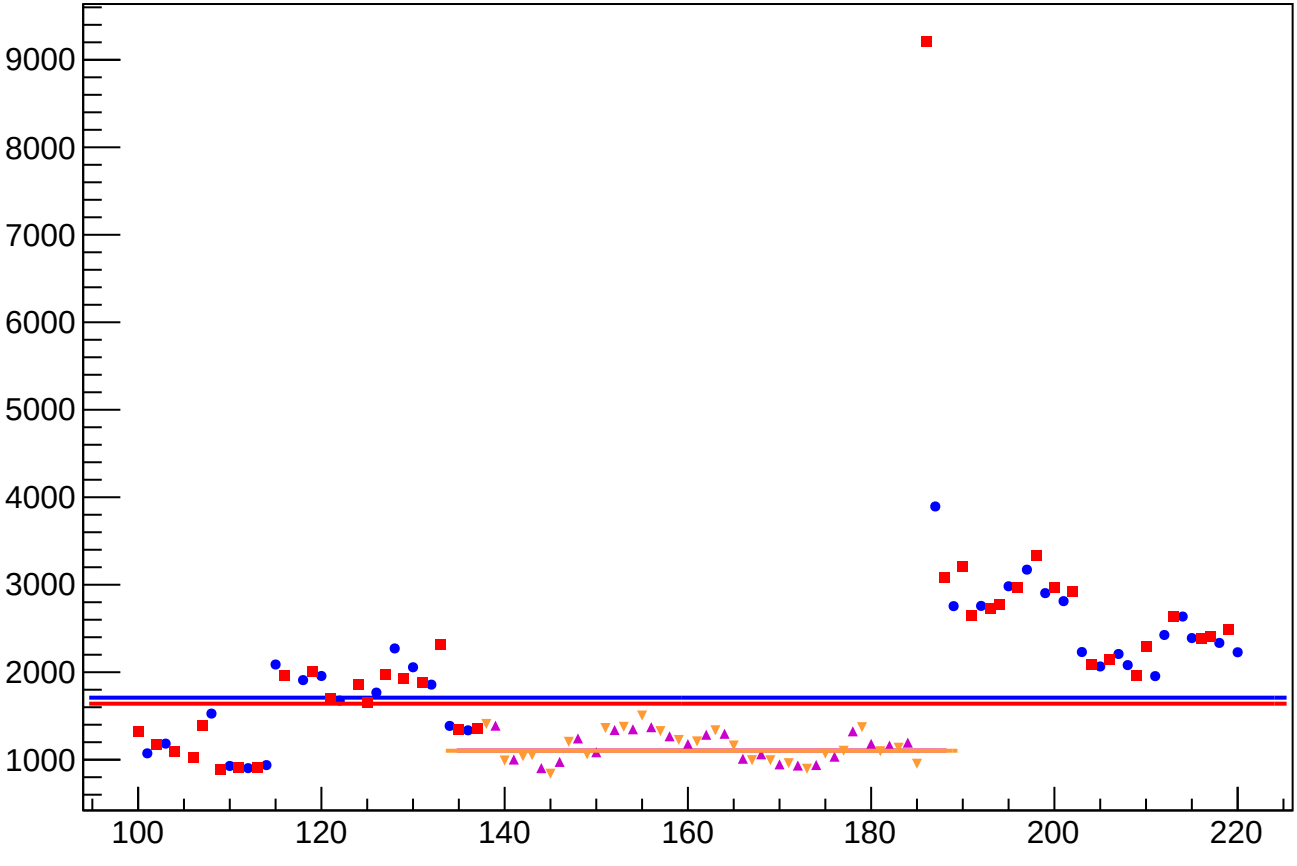
Right: -486.676+/-278.963 χ^2/NDF: 161.6/69

In: 281.678+/-218.833 χ^2/NDF:82.7/55

Out: 300.892+/-212.822 χ^2/NDF:185.8/61

All: 291.553+/-152.569 χ^2/NDF: 268.5/117

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1709.217+/-0.283 χ^2/NDF: 5319626.6/32

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1640.362+/-0.275 χ^2/NDF: 7270447.8/36

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

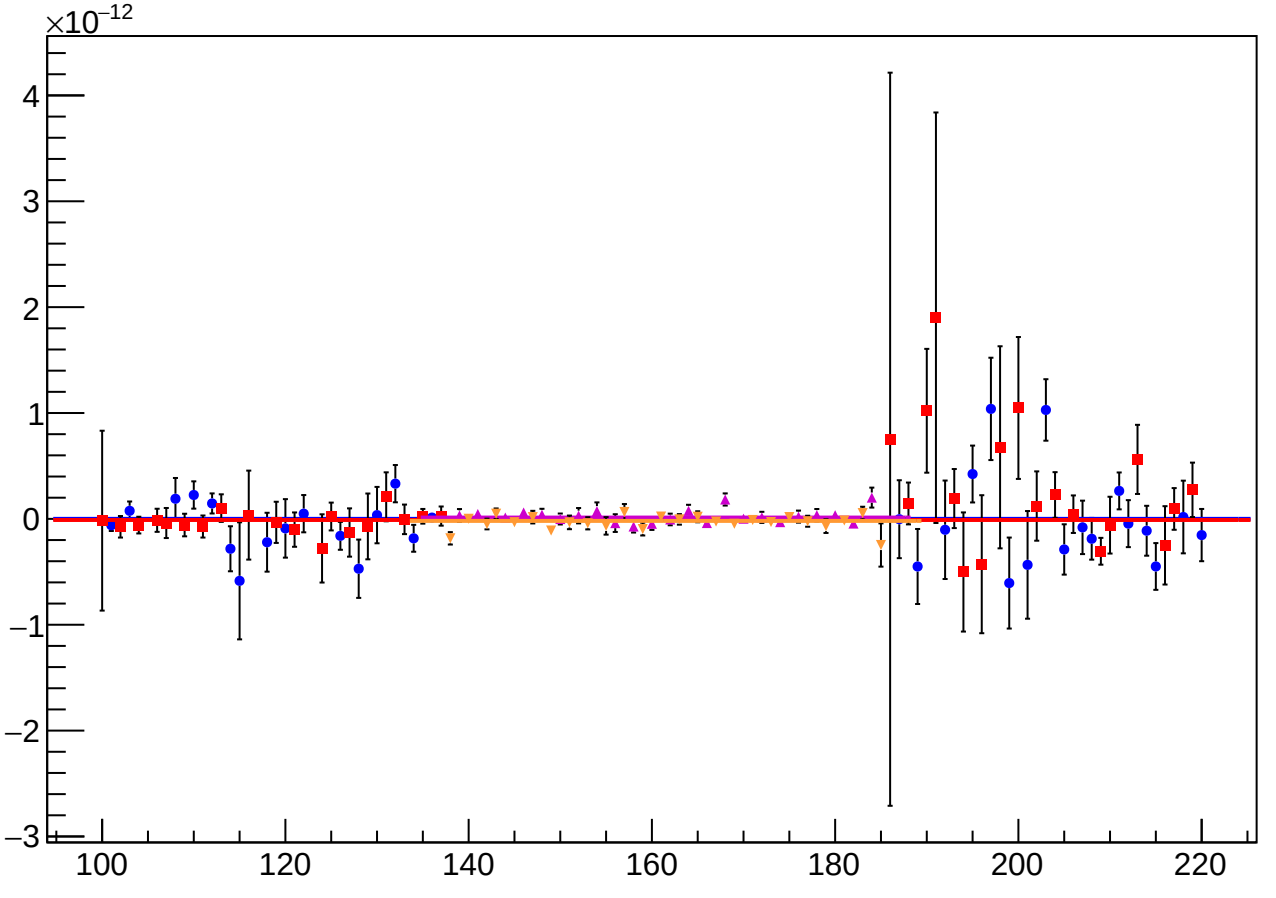
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1673.846+/-0.197 χ^2/NDF: 12620512.9/69

In: 1285.952+/-0.155 χ^2/NDF:9238157.7/55

Out: 1263.454+/-0.150 χ^2/NDF:10826347.2/61

All: 1274.390+/-0.108 χ^2/NDF: 20075369.1/1



Right In: -0.000+/-0.000 χ^2/NDF: 55.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/36

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

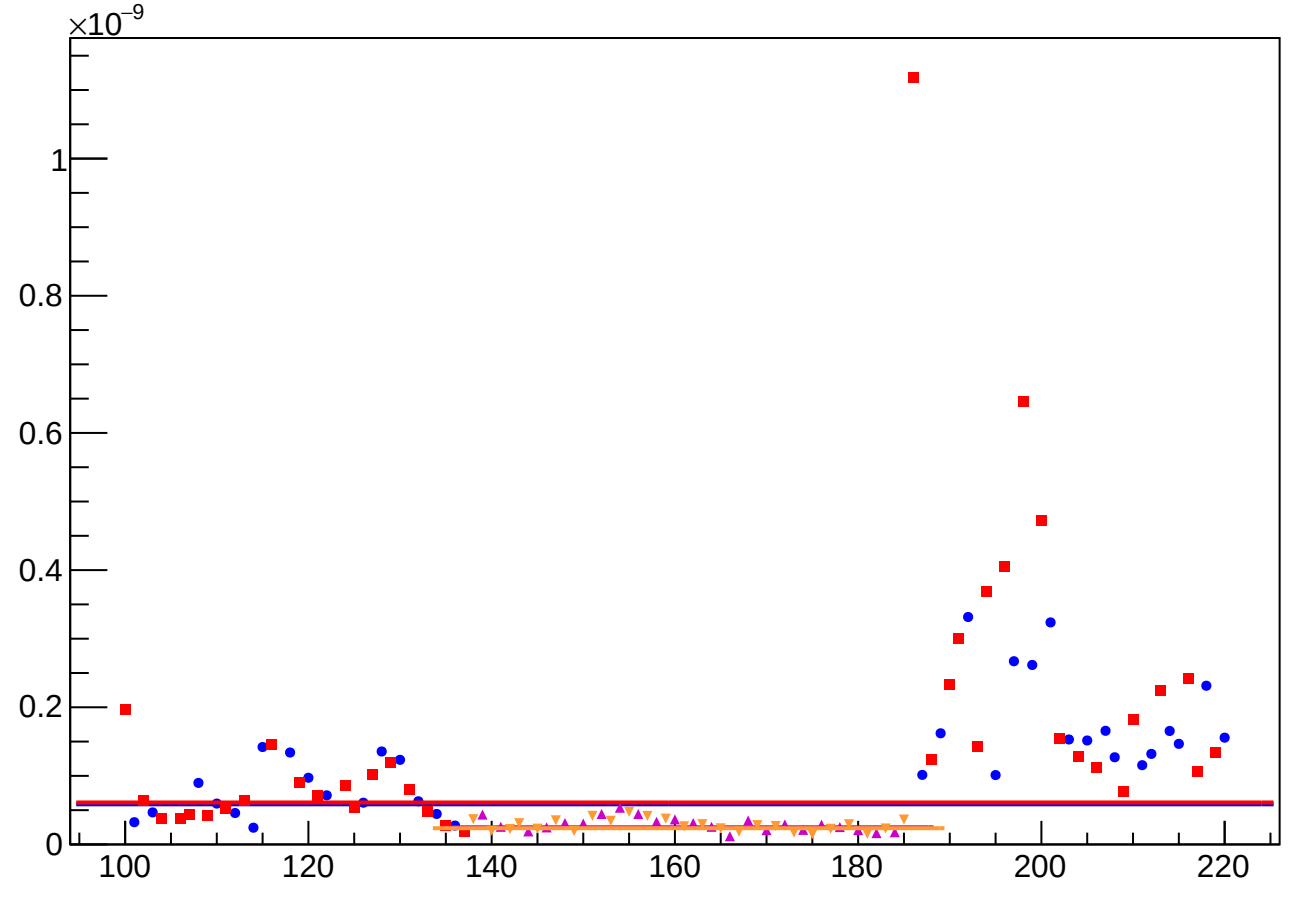
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 82.1/69

In: 0.000+/-0.000 χ^2/NDF:83.1/55

Out: -0.000+/-0.000 χ^2/NDF:52.8/61

All: -0.000+/-0.000 χ^2/NDF: 141.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 7469758.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7288118.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

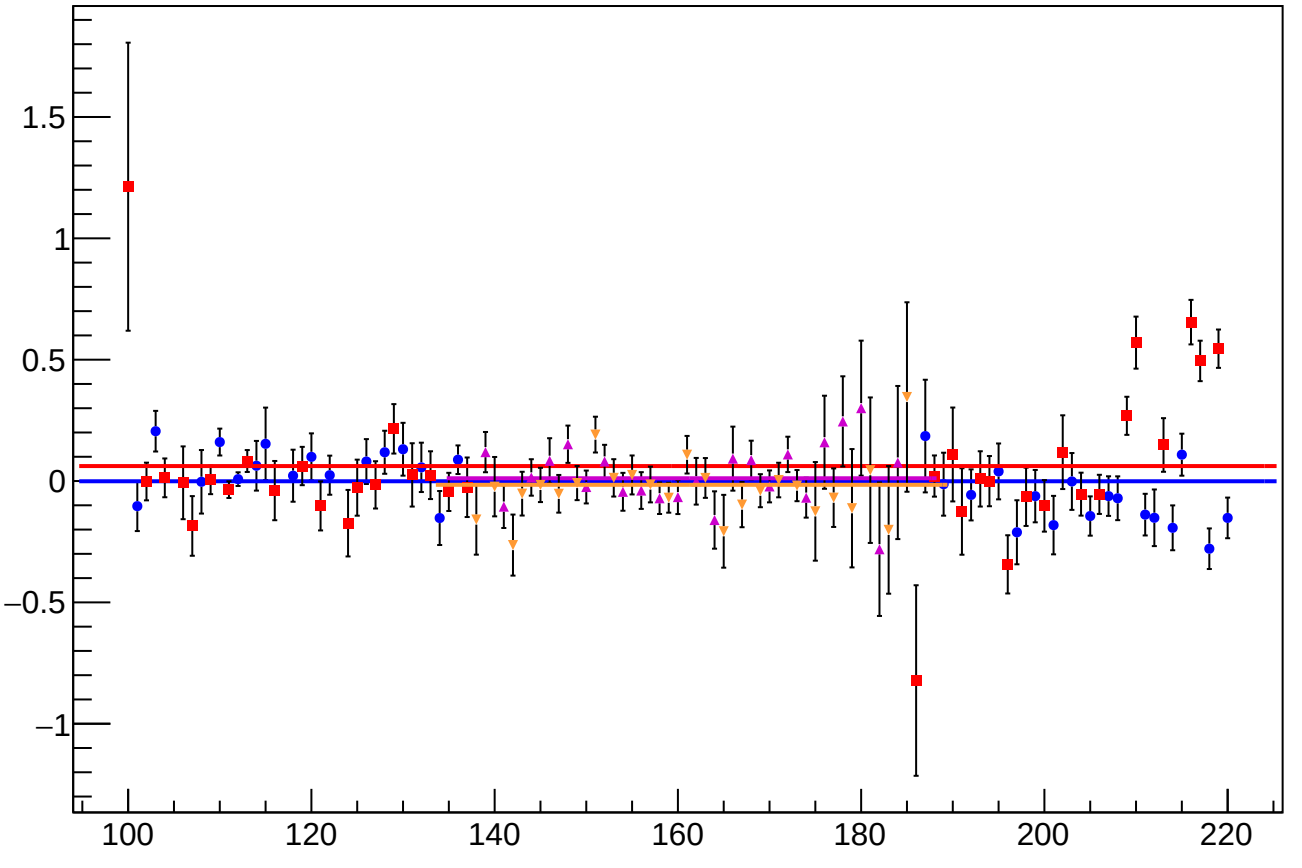
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14768969.3/69

In: 0.000+/-0.000 χ^2/NDF:12139824.7/55

Out: 0.000+/-0.000 χ^2/NDF:12355527.0/61

All: 0.000+/-0.000 χ^2/NDF: 24547632.5/117



Right In: -0.001+/-0.014 χ^2/NDF: 61.8/32

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

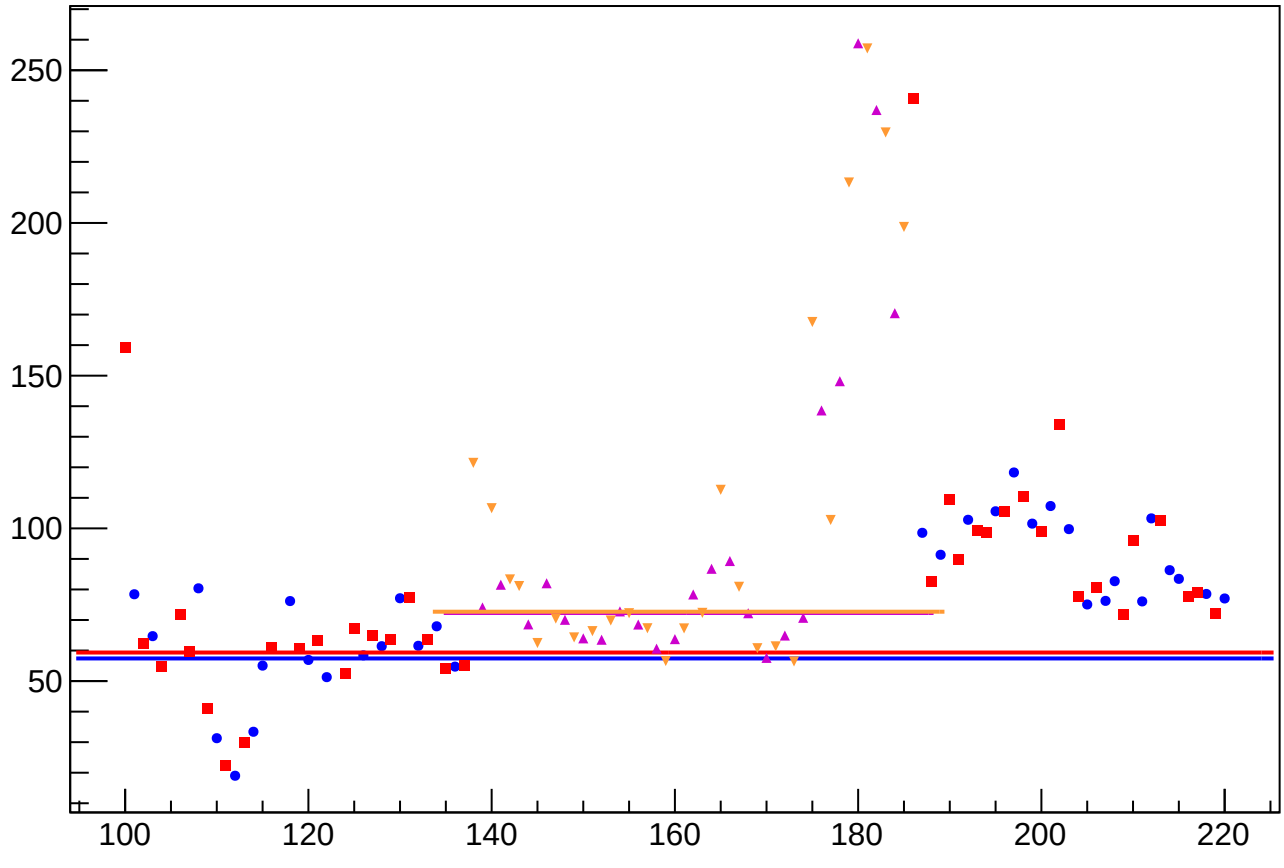
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.030+/-0.010 χ^2/NDF: 264.0/69

In: 0.004+/-0.011 χ^2/NDF:85.4/55

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.018+/-0.008 χ^2/NDF: 314.0/117



Right In: 57.409+/-0.010 χ^2/NDF: 8272327.5/32

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

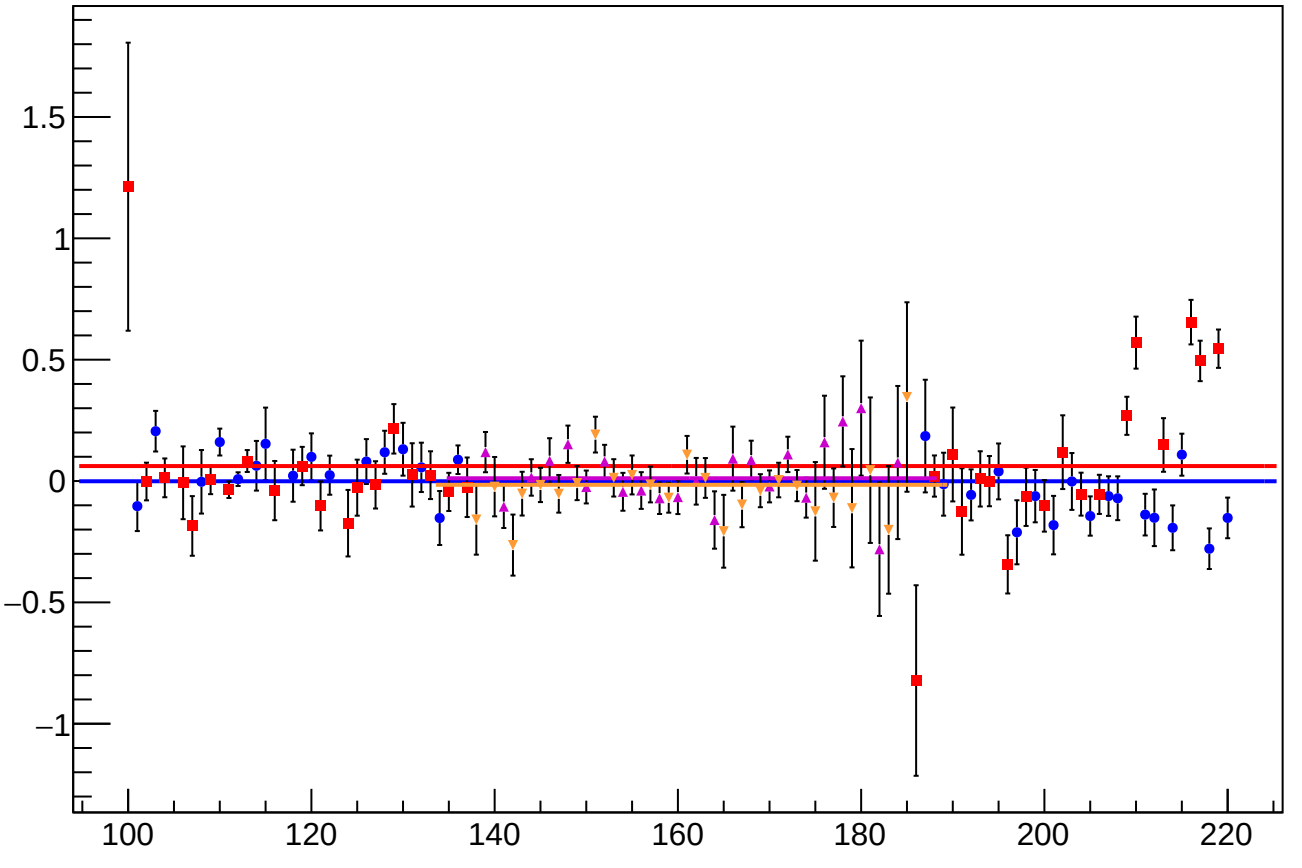
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 58.372+/-0.007 χ^2/NDF: 15622316.7/69

In: 63.088+/-0.008 χ^2/NDF:11885473.4/55

Out: 64.599+/-0.008 χ^2/NDF:11965401.5/61

All: 63.845+/-0.006 χ^2/NDF: 23868871.6/117



Right In: -0.001+/-0.014 χ^2/NDF: 61.8/32

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

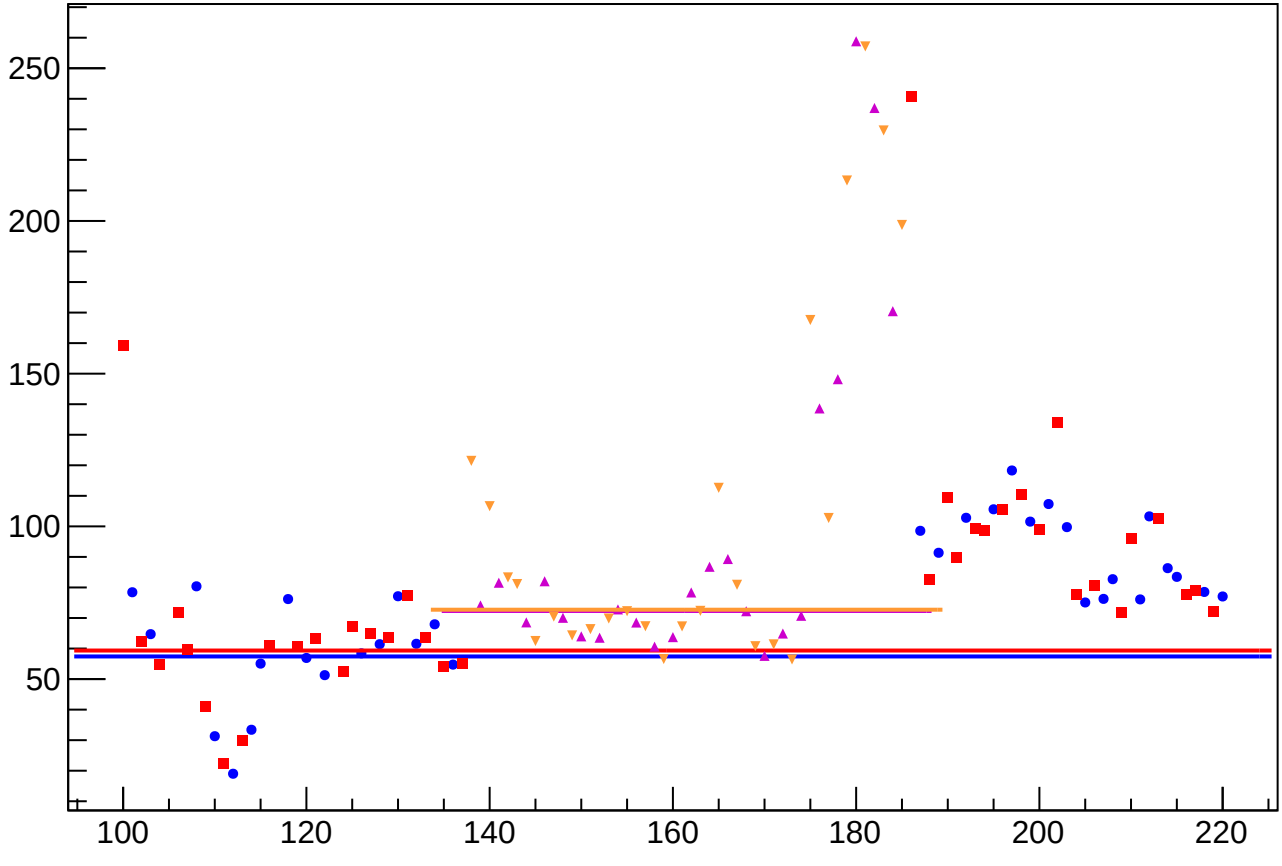
Right: 0.030+/-0.010 χ^2/NDF: 264.0/69

In: 0.004+/-0.011 χ^2/NDF:85.4/55

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.018+/-0.008 χ^2/NDF: 314.0/117

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.409+/-0.010 χ^2/NDF: 8272327.5/32

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

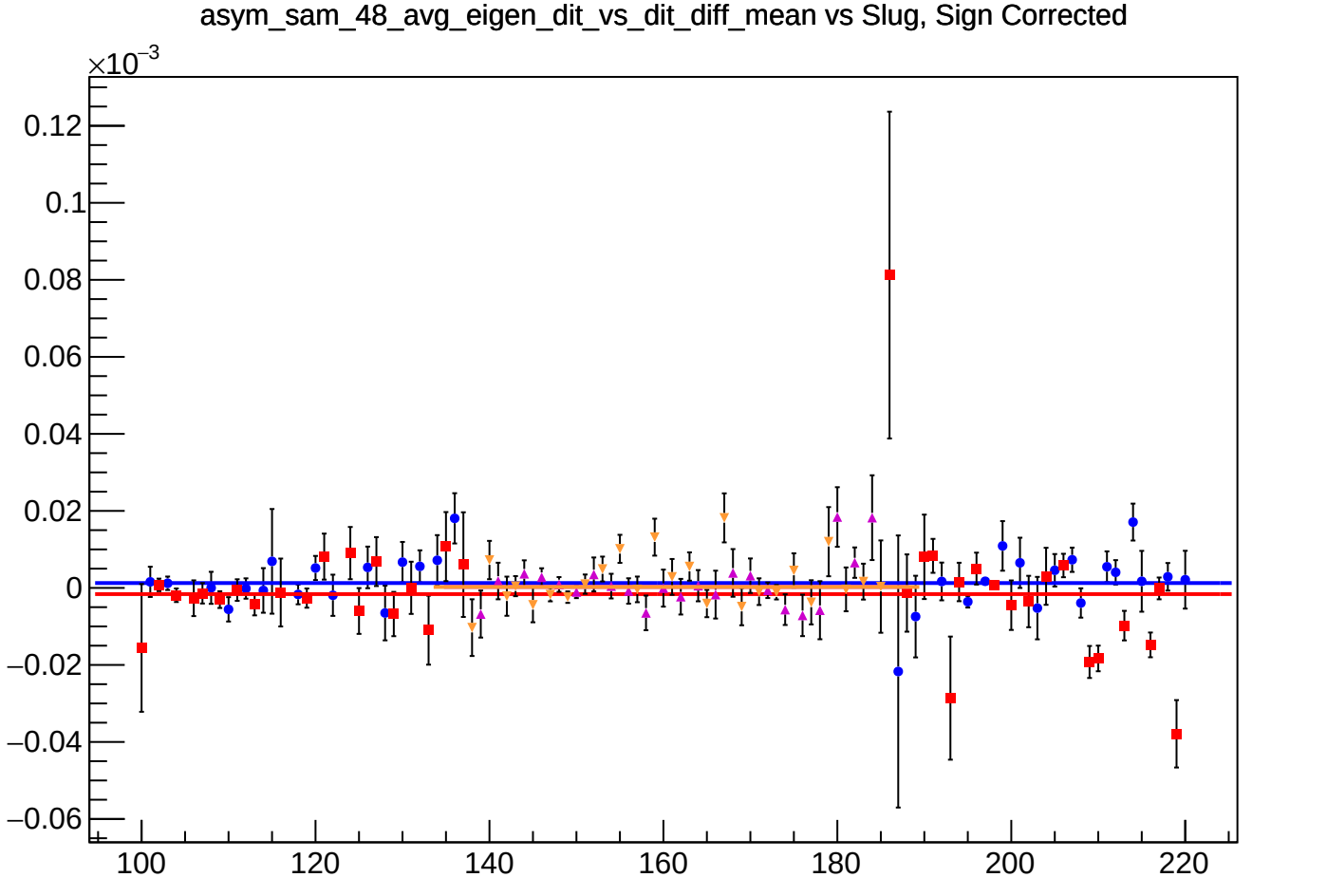
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

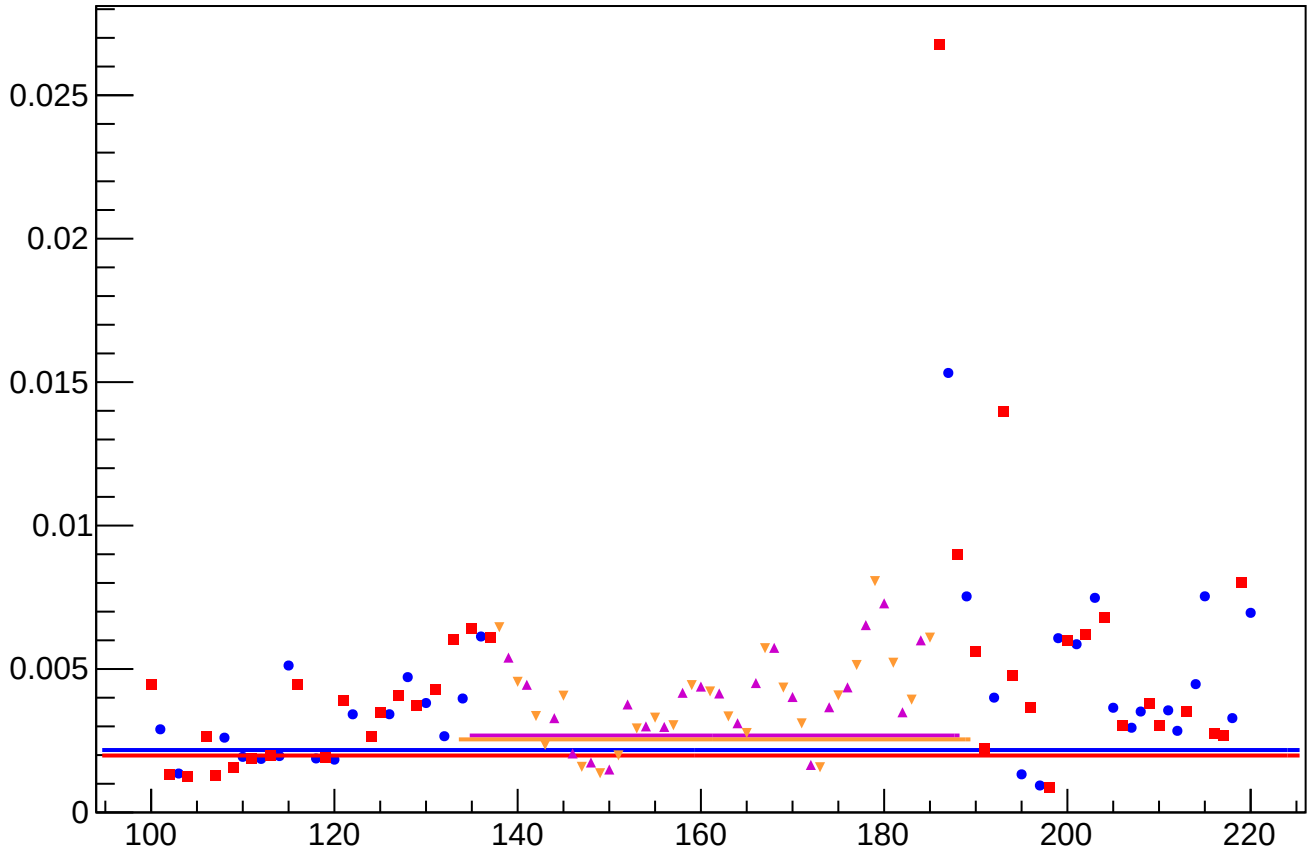
Right: 58.372+/-0.007 χ^2/NDF: 15622316.7/69

In: 63.088+/-0.008 χ^2/NDF:11885473.4/55

Out: 64.599+/-0.008 χ^2/NDF:11965401.5/61

All: 63.845+/-0.006 χ^2/NDF: 23868871.6/117


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 54.1/32
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 125.4/36
Left In: 0.000+/-0.000 χ²/NDF:24.1/22
Left: 0.000+/-0.000 χ²/NDF: 67.4/47
Right: -0.000+/-0.000 χ²/NDF: 192.7/69
In: 0.000+/-0.000 χ²/NDF:79.4/55
Out: -0.000+/-0.000 χ²/NDF:173.5/61
All: -0.000+/-0.000 χ²/NDF: 260.9/117



Right In: 0.002+/-0.000 χ^2/NDF: 11558879.6/32

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 14339868.5/36

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

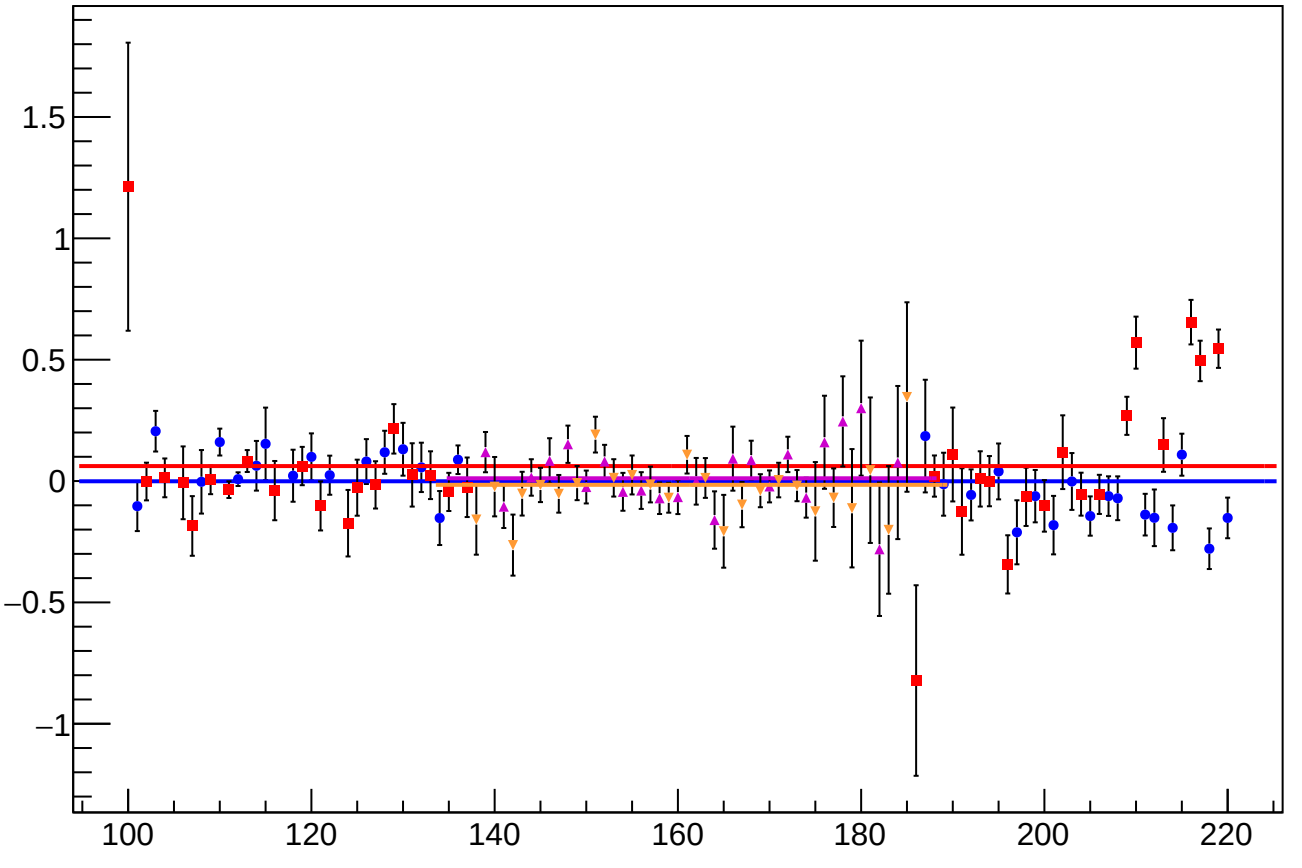
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 26016313.2/69

In: 0.002+/-0.000 χ^2/NDF:18673398.3/55

Out: 0.002+/-0.000 χ^2/NDF:22725516.1/61

All: 0.002+/-0.000 χ^2/NDF: 41552266.0/117



Right In: -0.001+/-0.014 χ^2/NDF: 61.8/32

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

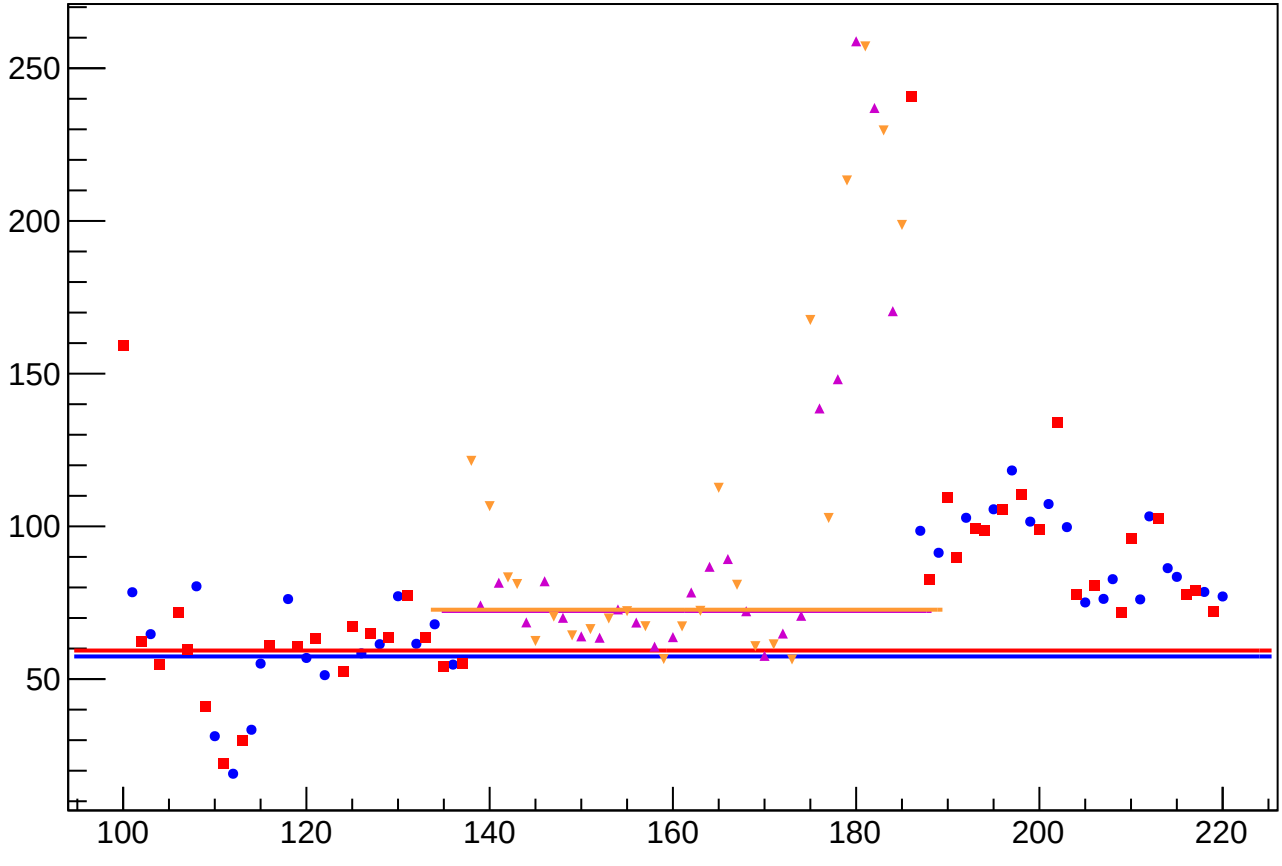
Right: 0.030+/-0.010 χ^2/NDF: 264.0/69

In: 0.004+/-0.011 χ^2/NDF:85.4/55

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.018+/-0.008 χ^2/NDF: 314.0/117

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.408+/-0.010 χ^2/NDF: 8272613.1/32

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

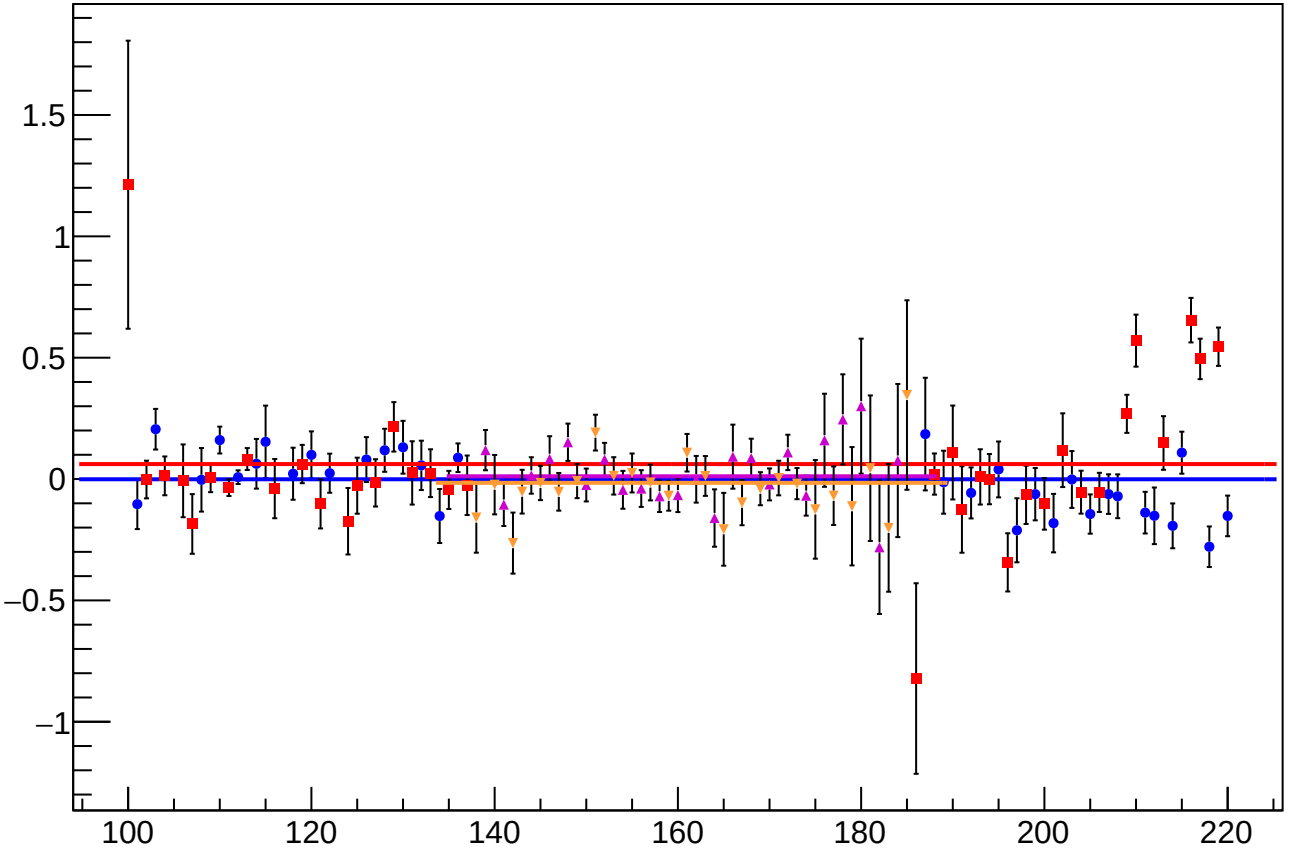
Right: 58.371+/-0.007 χ^2/NDF: 15622941.9/69

In: 63.088+/-0.008 χ^2/NDF:11885866.0/55

Out: 64.599+/-0.008 χ^2/NDF:11965832.9/61

All: 63.845+/-0.006 χ^2/NDF: 23869698.0/117

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.014 χ^2/NDF: 61.8/32

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

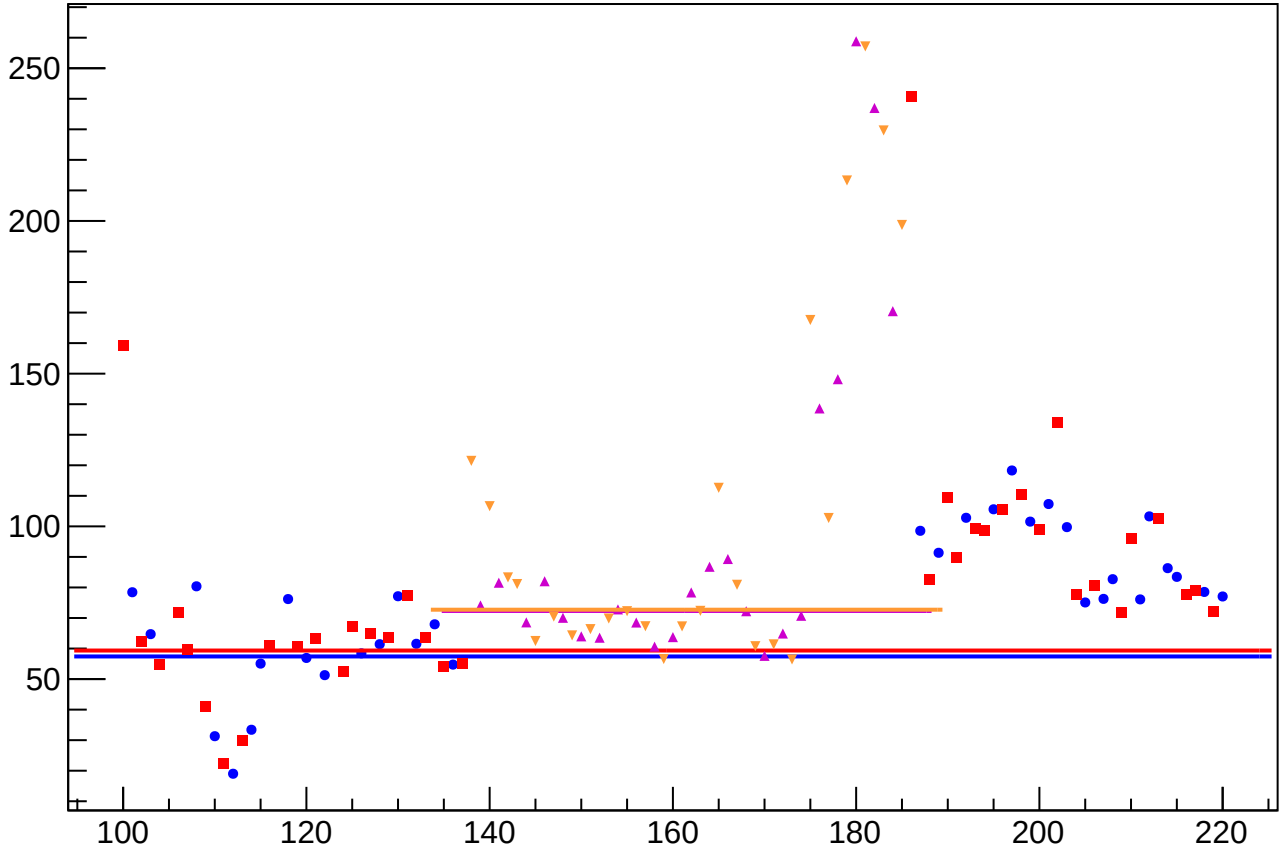
Right: 0.030+/-0.010 χ^2/NDF: 264.0/69

In: 0.004+/-0.011 χ^2/NDF:85.4/55

Out: 0.031+/-0.011 χ^2/NDF:225.6/61

All: 0.018+/-0.008 χ^2/NDF: 314.0/117

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.408+/-0.010 χ^2/NDF: 8272613.1/32

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

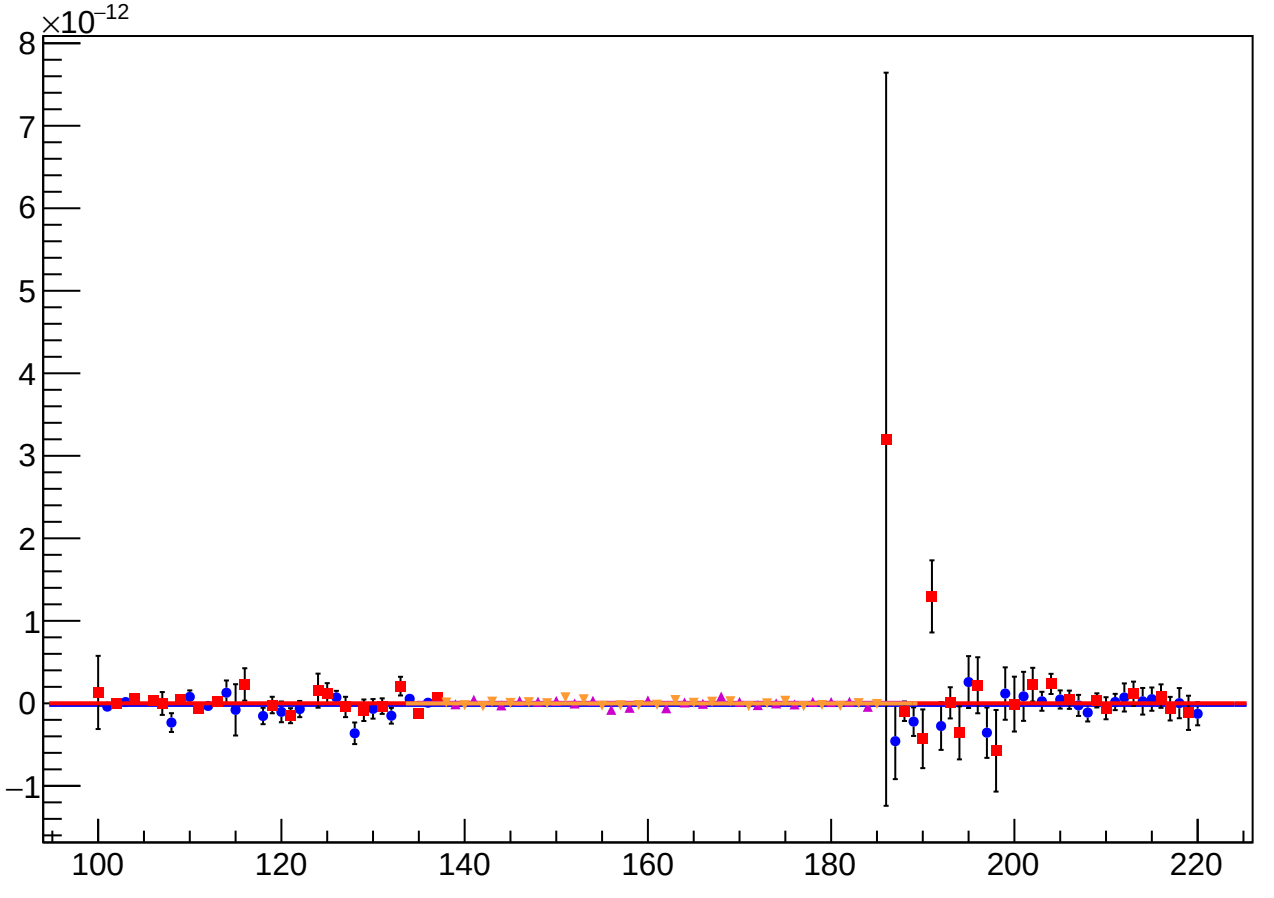
Right: 58.371+/-0.007 χ^2/NDF: 15622941.9/69

In: 63.088+/-0.008 χ^2/NDF:11885866.0/55

Out: 64.599+/-0.008 χ^2/NDF:11965832.9/61

All: 63.845+/-0.006 χ^2/NDF: 23869698.0/117

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 44.8/36

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

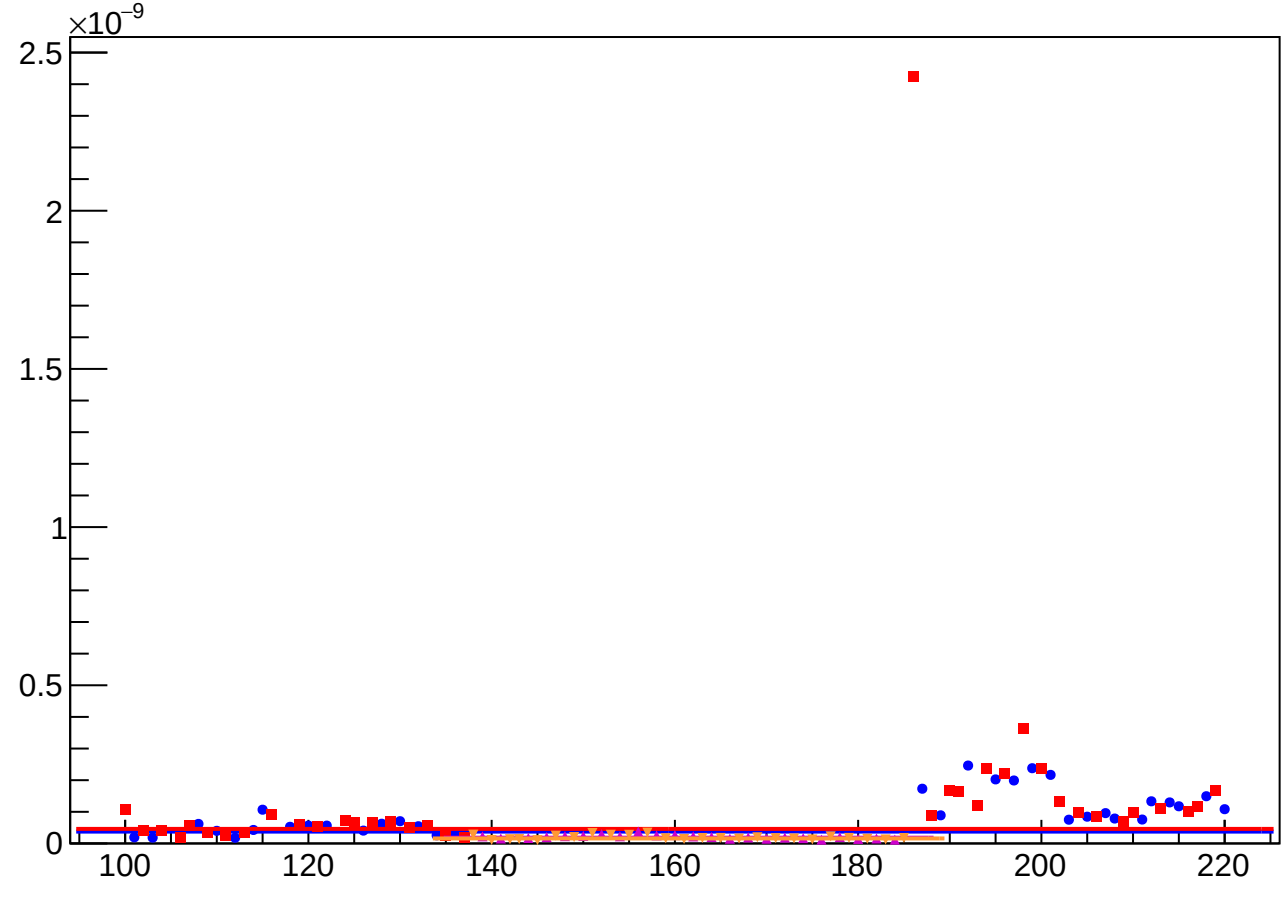
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 76.7/69

In: 0.000+/-0.000 χ^2/NDF:72.2/55

Out: -0.000+/-0.000 χ^2/NDF:72.7/61

All: 0.000+/-0.000 χ^2/NDF: 145.3/117



Right In: 0.000+/-0.000 χ^2/NDF: 11561085.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10103801.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

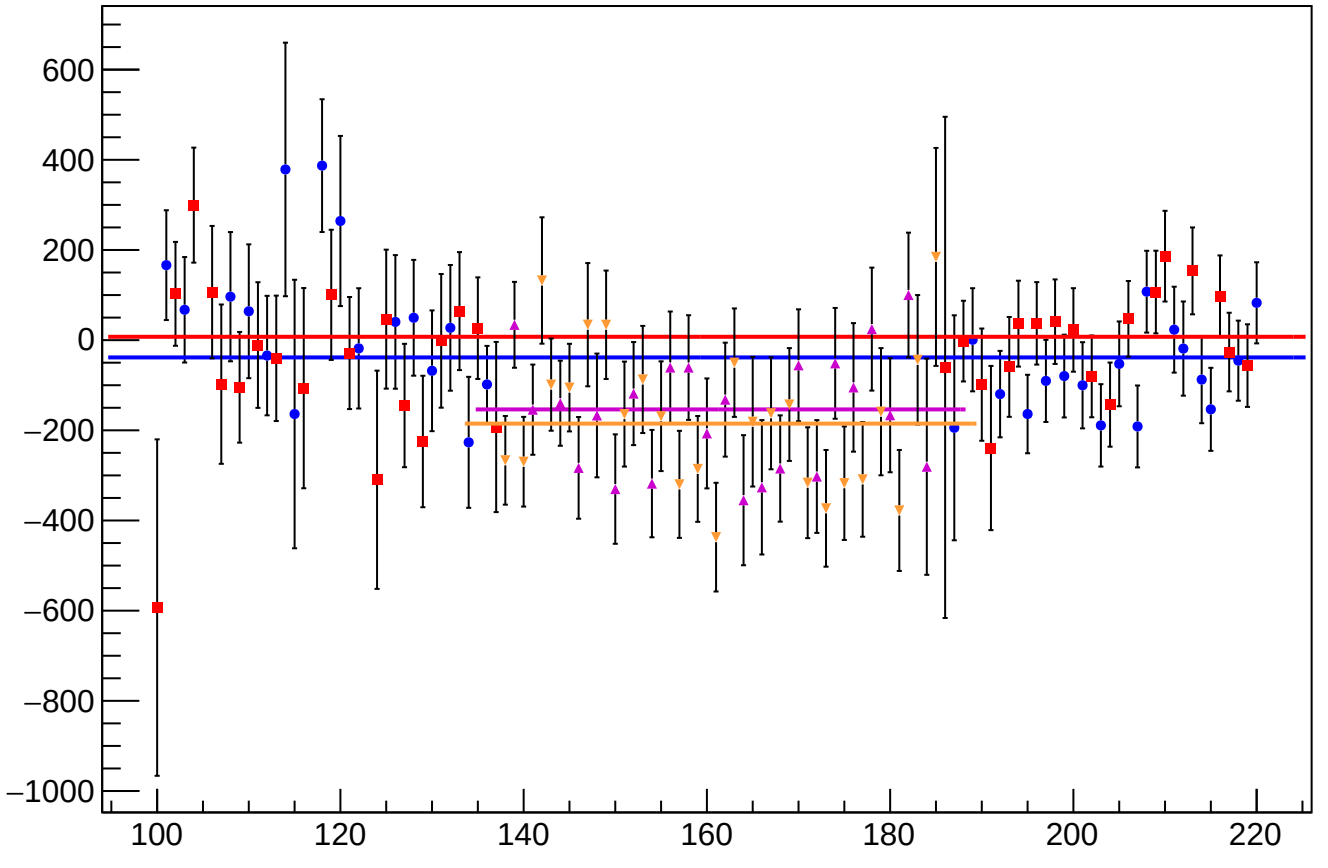
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 22015331.7/69

In: 0.000+/-0.000 χ^2/NDF:16754567.9/55

Out: 0.000+/-0.000 χ^2/NDF:19551722.3/61

All: 0.000+/-0.000 χ^2/NDF: 36559575.1/117



Right In: -38.322+/-19.323 χ^2/NDF: 38.0/32

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 7.447+/-19.117 χ^2/NDF: 33.3/36

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

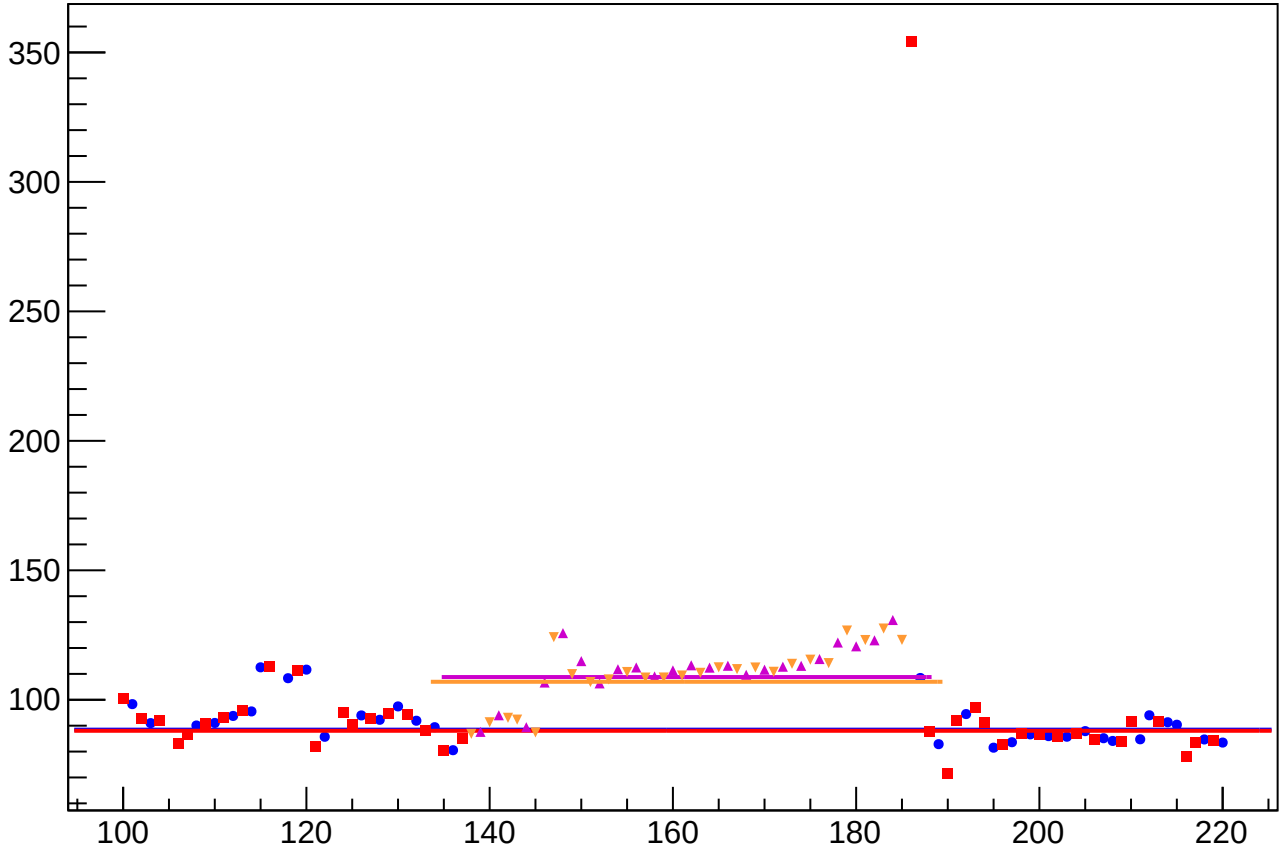
Right: -15.193+/-13.590 χ^2/NDF: 74.1/69

In: -80.301+/-15.409 χ^2/NDF:74.5/55

Out: -65.614+/-15.061 χ^2/NDF:104.8/61

All: -72.789+/-10.771 χ^2/NDF: 179.8/117

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.465+/-0.014 χ^2/NDF: 208235.0/32

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.032+/-0.014 χ^2/NDF: 690796.6/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

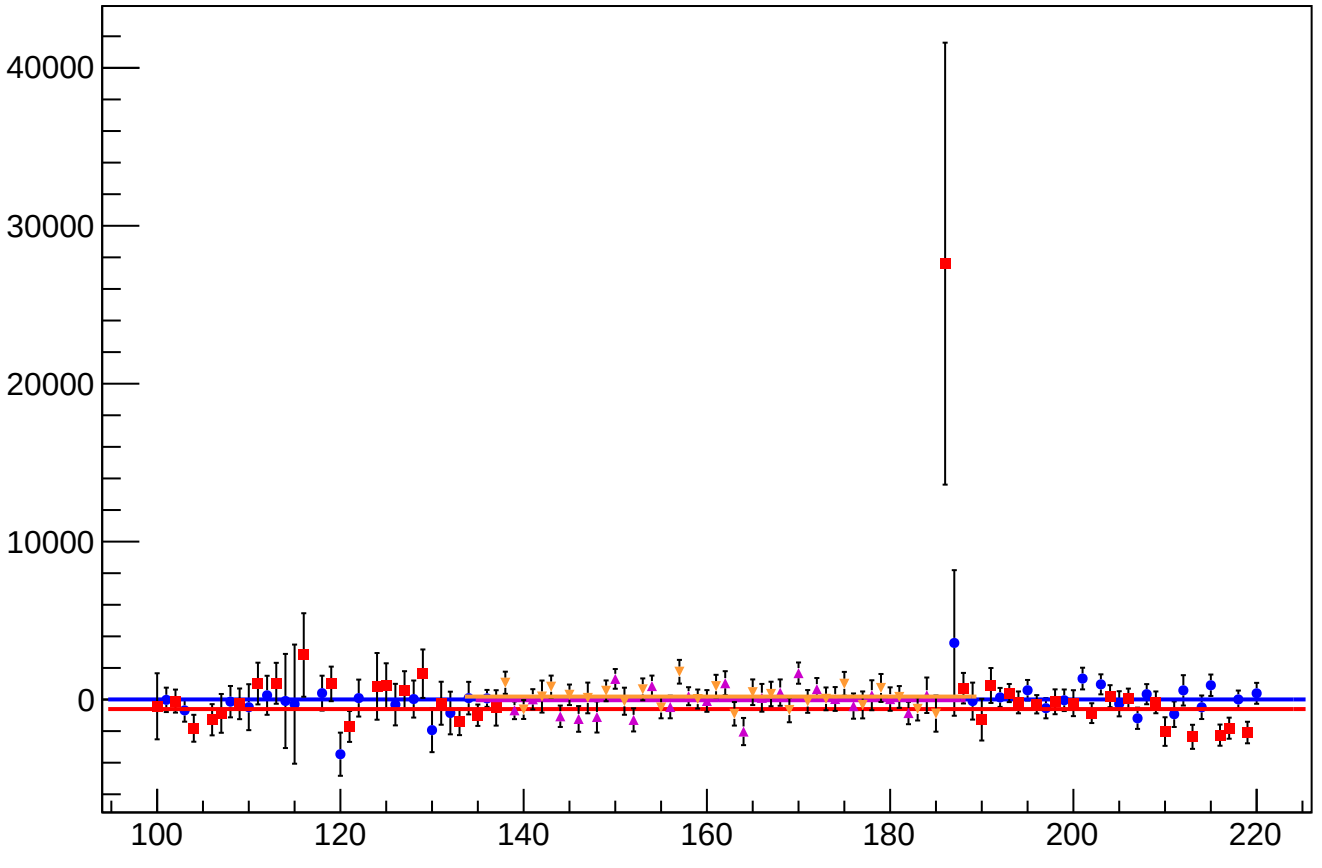
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.246+/-0.010 χ^2/NDF: 899540.4/69

In: 95.861+/-0.011 χ^2/NDF:1371504.6/55

Out: 95.210+/-0.011 χ^2/NDF:1898373.7/61

All: 95.528+/-0.008 χ^2/NDF: 3271706.3/117



Right In: 6.038+/-144.031 χ^2/NDF: 26.1/32

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -604.065+/-143.734 χ^2/NDF: 54.3/36

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

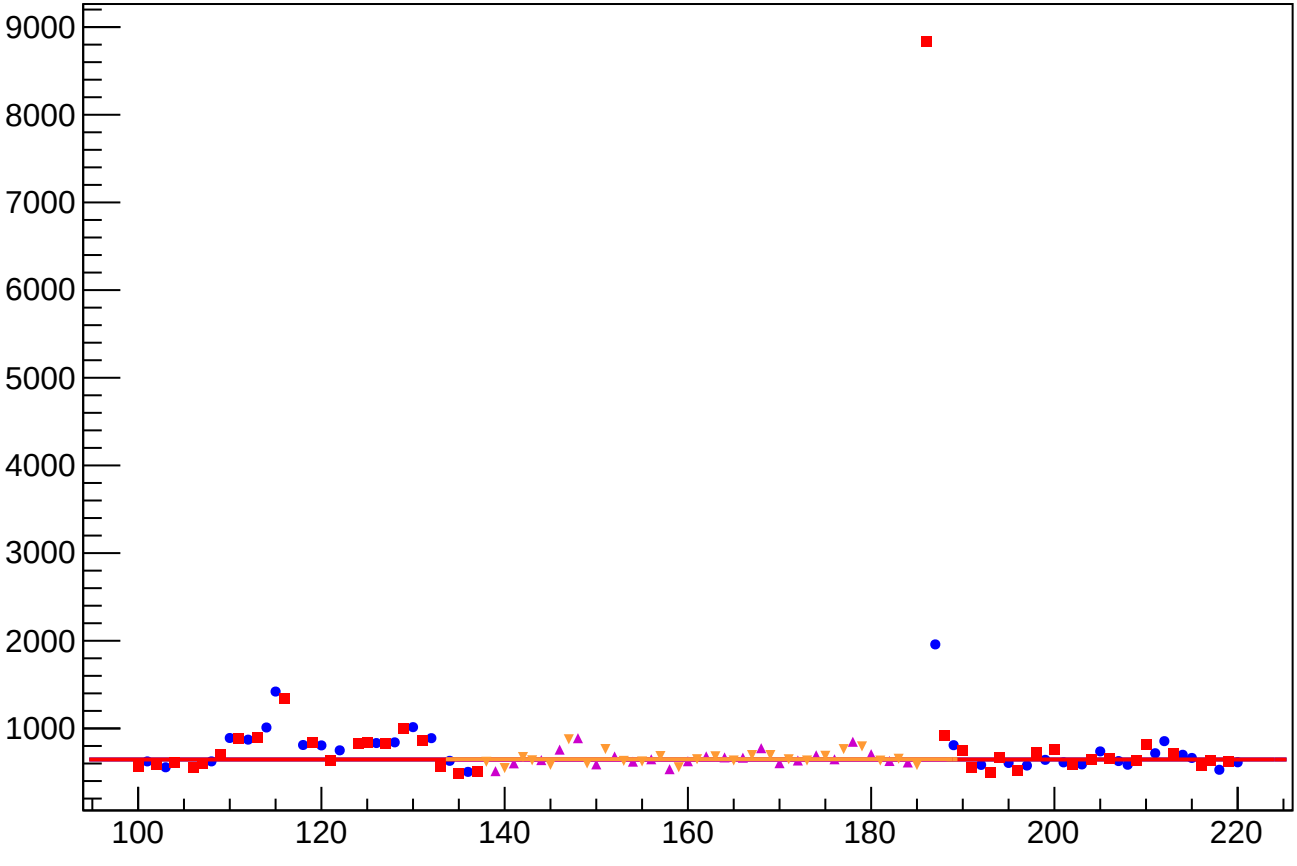
Right: -299.644+/-101.740 χ^2/NDF: 89.4/69

In: -17.270+/-104.568 χ^2/NDF:59.9/55

Out: -222.542+/-103.386 χ^2/NDF:88.0/61

All: -121.073+/-73.520 χ^2/NDF: 149.8/117

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 645.913+/-0.102 χ^2/NDF: 1334120.7/32

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 645.766+/-0.102 χ^2/NDF: 2082612.6/36

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

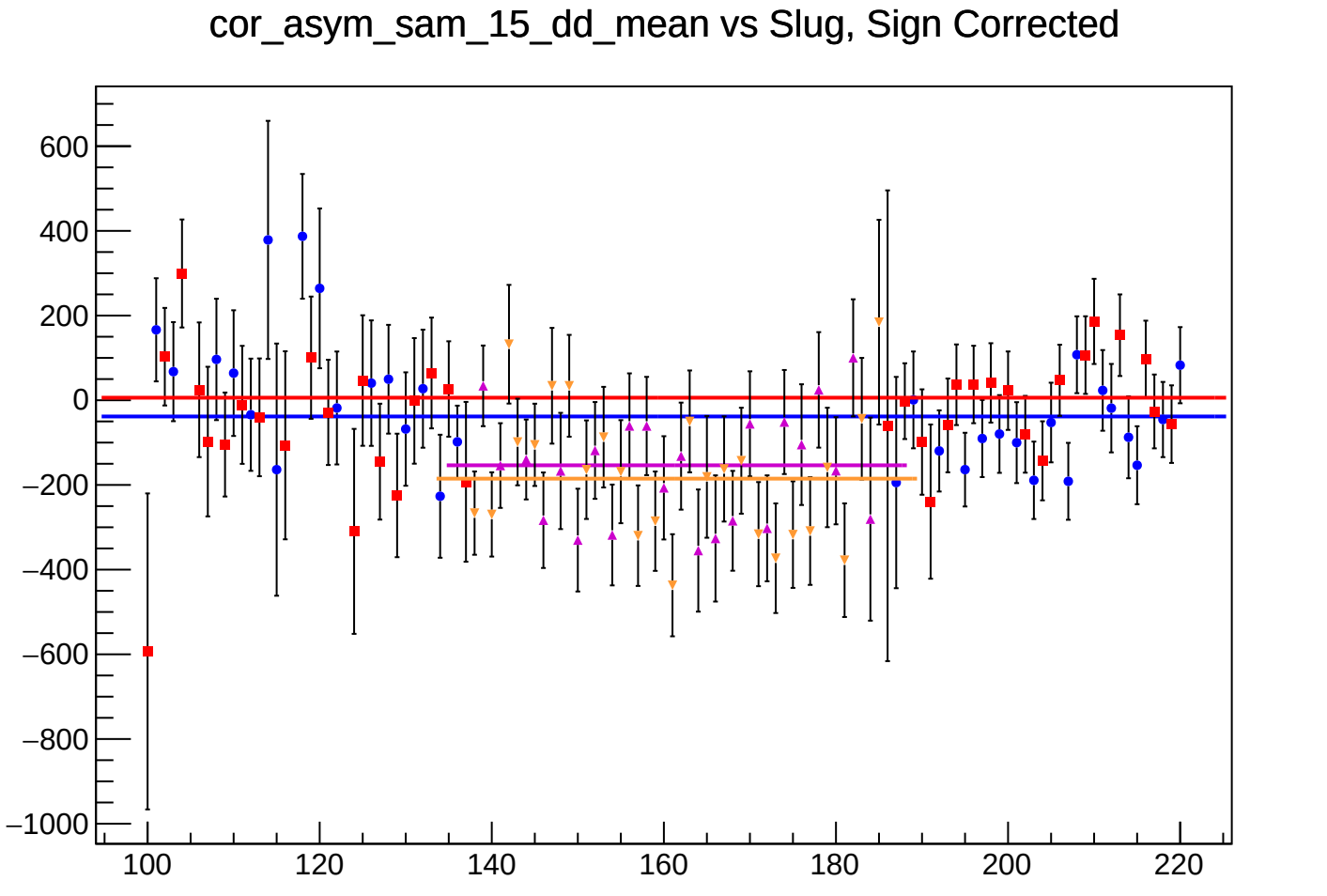
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 645.840+/-0.072 χ^2/NDF: 3416734.3/69

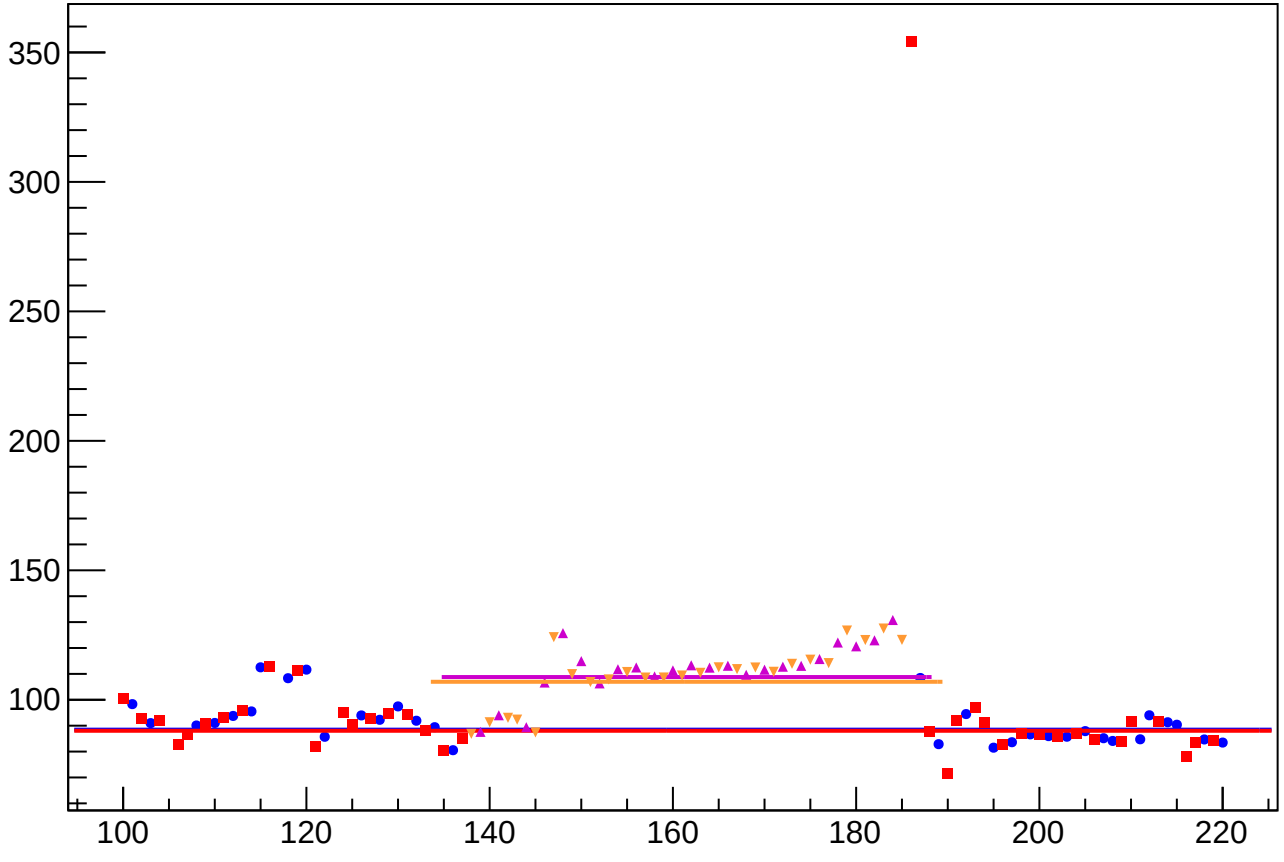
In: 645.043+/-0.074 χ^2/NDF:1893395.1/55

Out: 647.418+/-0.073 χ^2/NDF:2501524.6/61

All: 646.244+/-0.052 χ^2/NDF: 4395441.7/117


cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: -38.322+/-19.323 χ²/NDF: 38.0/32
Left Out: -185.148+/-24.452 χ²/NDF:33.0/24
Right Out: 6.012+/-19.141 χ²/NDF: 32.8/36
Left In: -153.632+/-25.538 χ²/NDF:23.5/22
Left: -170.074+/-17.662 χ²/NDF: 57.4/47
Right: -15.945+/-13.599 χ²/NDF: 73.5/69
In: -80.302+/-15.409 χ²/NDF:74.5/55
Out: -66.618+/-15.072 χ²/NDF:103.8/61
All: -73.309+/-10.775 χ²/NDF: 178.7/117

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.465+/-0.014 χ^2/NDF: 208235.1/32

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.036+/-0.014 χ^2/NDF: 690919.2/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

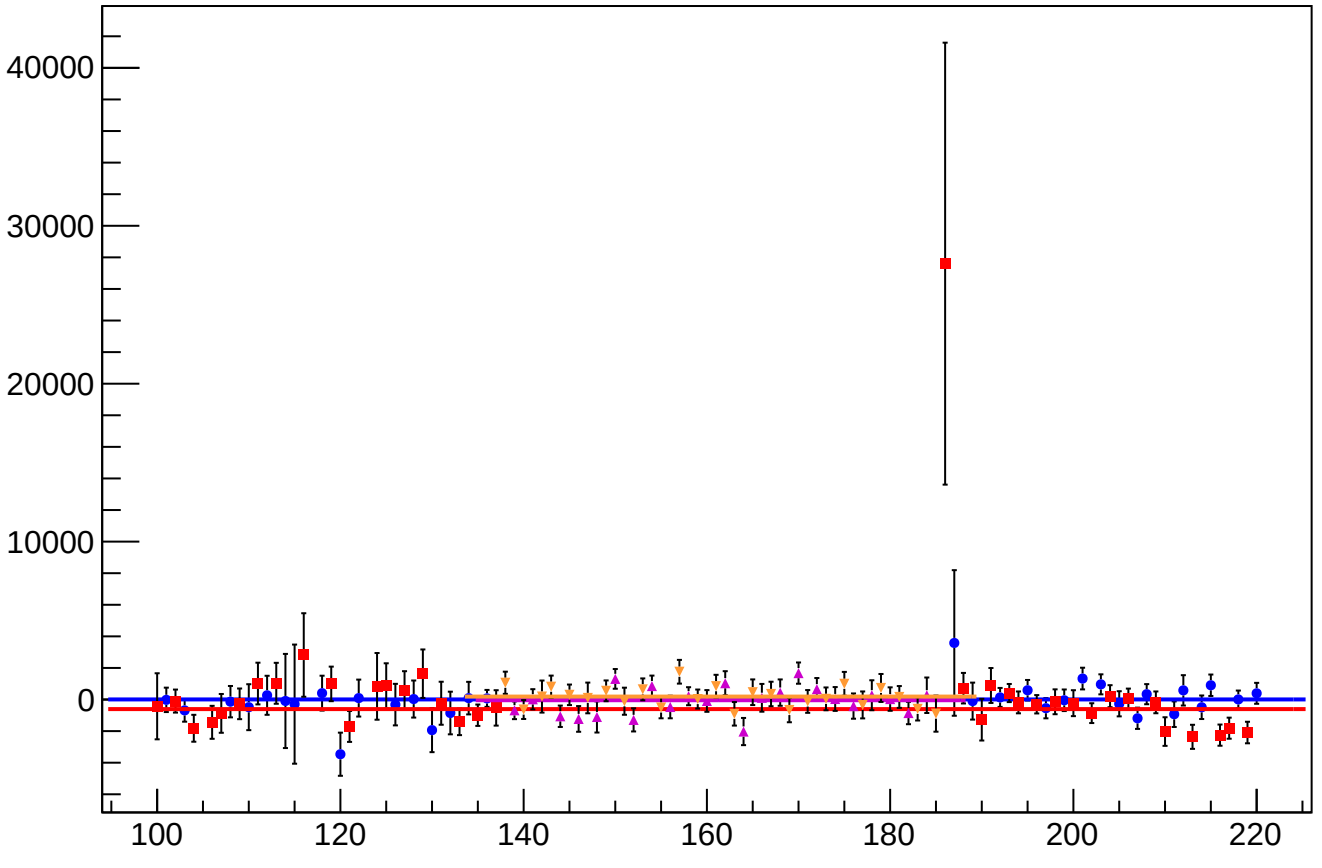
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.249+/-0.010 χ^2/NDF: 899652.3/69

In: 95.861+/-0.011 χ^2/NDF:1371504.7/55

Out: 95.224+/-0.011 χ^2/NDF:1897452.7/61

All: 95.536+/-0.008 χ^2/NDF: 3270707.2/117



Right In: 6.035+/-144.031 χ^2/NDF: 26.1/32

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -605.642+/-143.893 χ^2/NDF: 54.5/36

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

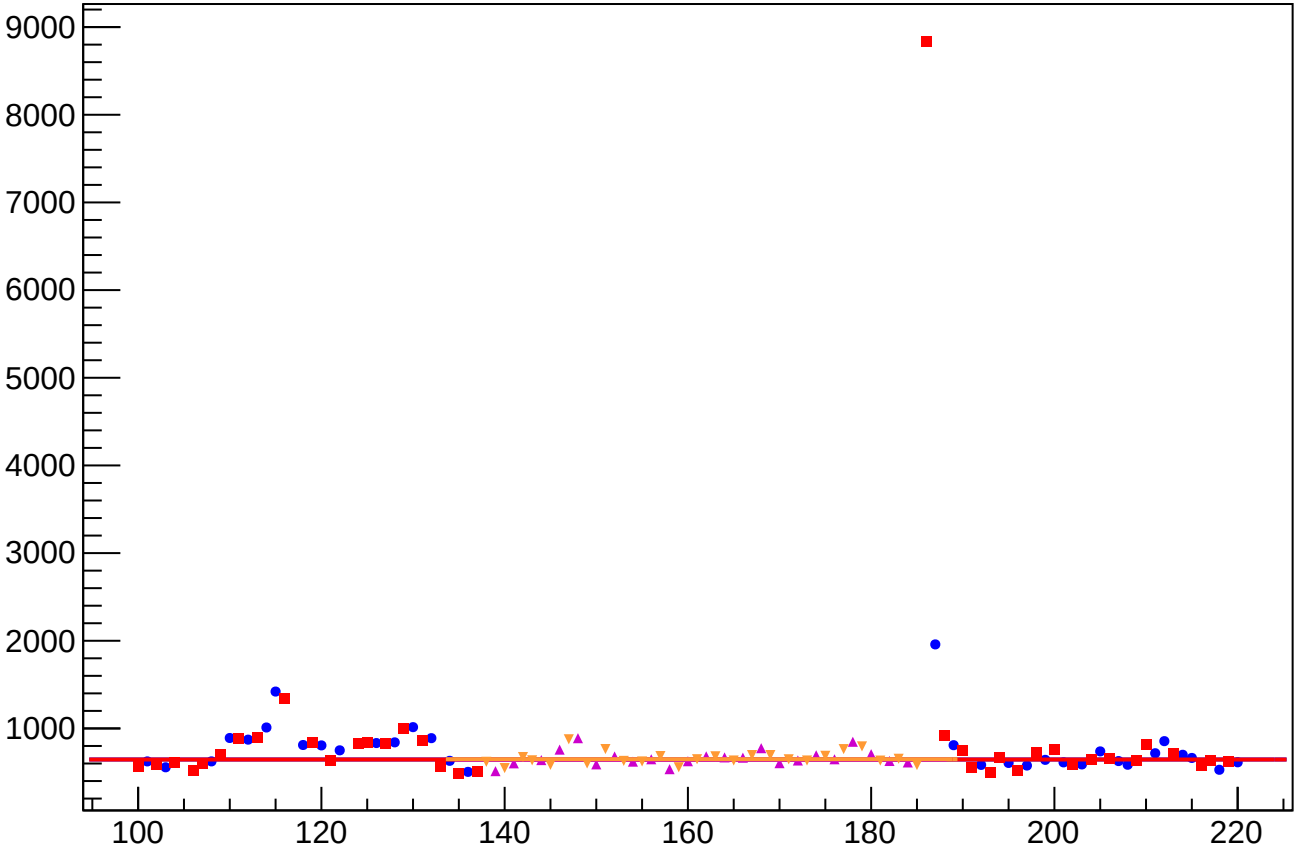
Right: -300.098+/-101.797 χ^2/NDF: 89.6/69

In: -17.273+/-104.568 χ^2/NDF:59.9/55

Out: -222.924+/-103.445 χ^2/NDF:88.2/61

All: -121.208+/-73.541 χ^2/NDF: 150.0/117

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.913+/-0.102 χ^2/NDF: 1334119.9/32

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

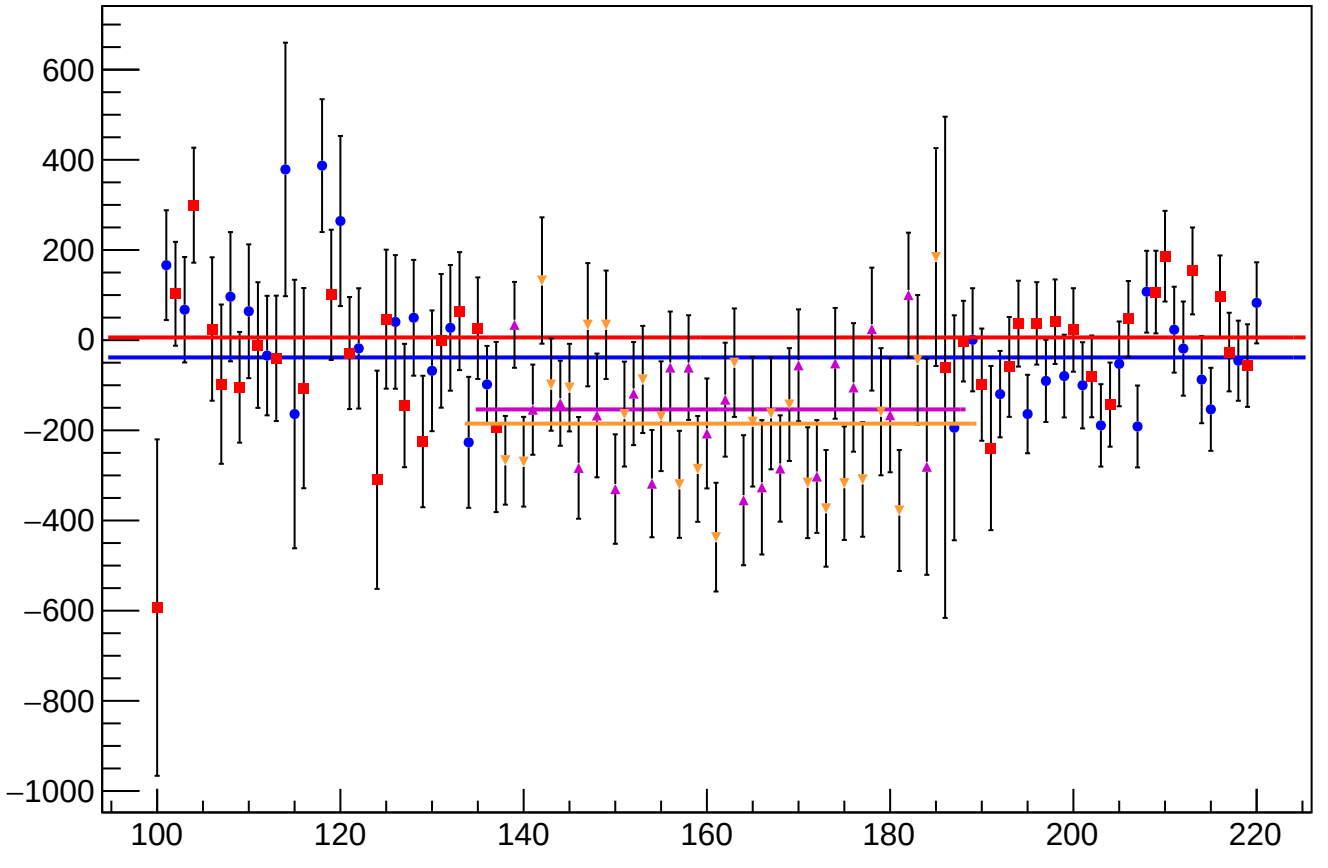
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 645.680+/-0.072 χ^2/NDF: 3425989.4/69

In: 645.043+/-0.074 χ^2/NDF:1893395.4/55

Out: 647.255+/-0.073 χ^2/NDF:2510878.0/61

All: 646.161+/-0.052 χ^2/NDF: 4404725.9/117



Right In: -38.322+/-19.323 χ^2/NDF: 38.0/32

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 6.012+/-19.141 χ^2/NDF: 32.8/36

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

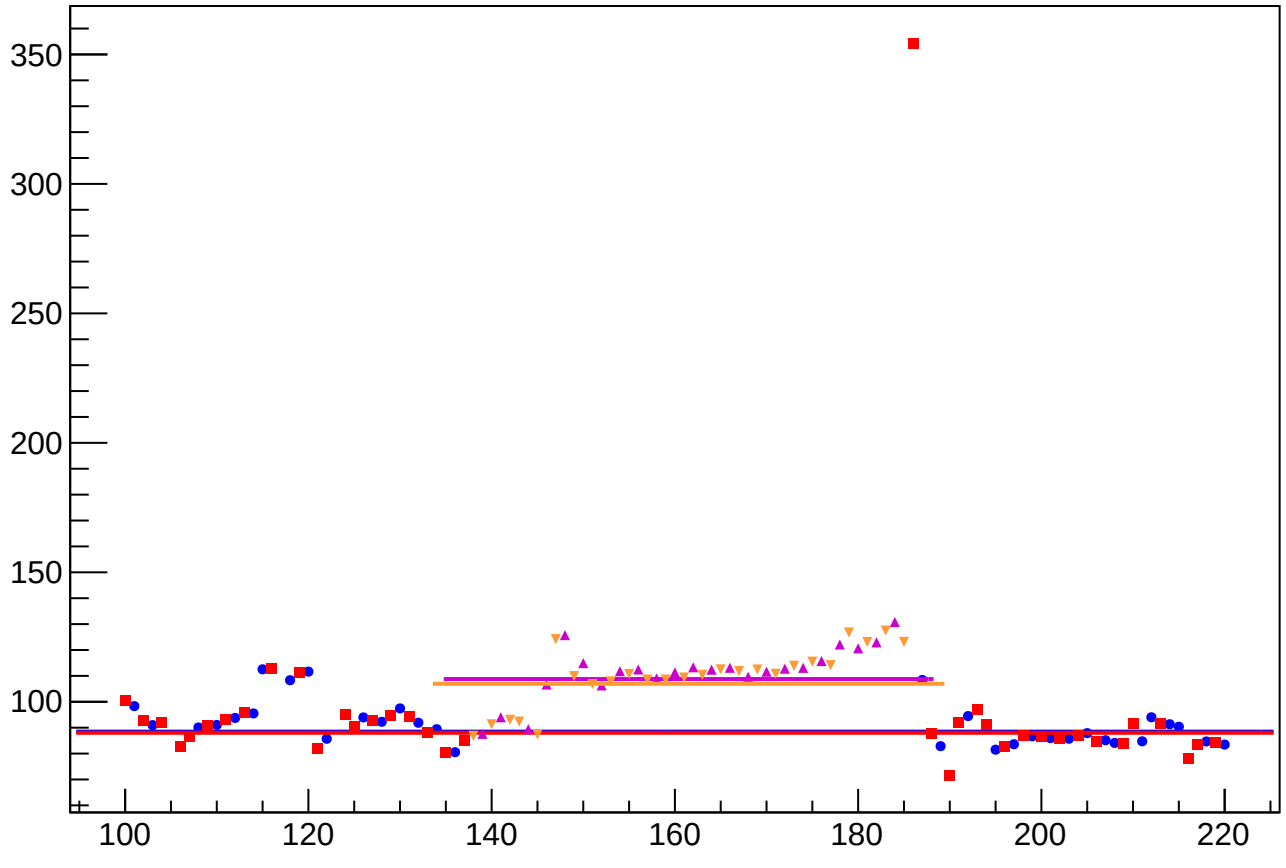
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -15.945+/-13.599 χ^2/NDF: 73.5/69

In: -80.302+/-15.409 χ^2/NDF:74.5/55

Out: -66.618+/-15.072 χ^2/NDF:103.8/61

All: -73.309+/-10.775 χ^2/NDF: 178.7/117



Right In: 88.465+/-0.014 χ^2/NDF: 208235.1/32

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.036+/-0.014 χ^2/NDF: 690919.2/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

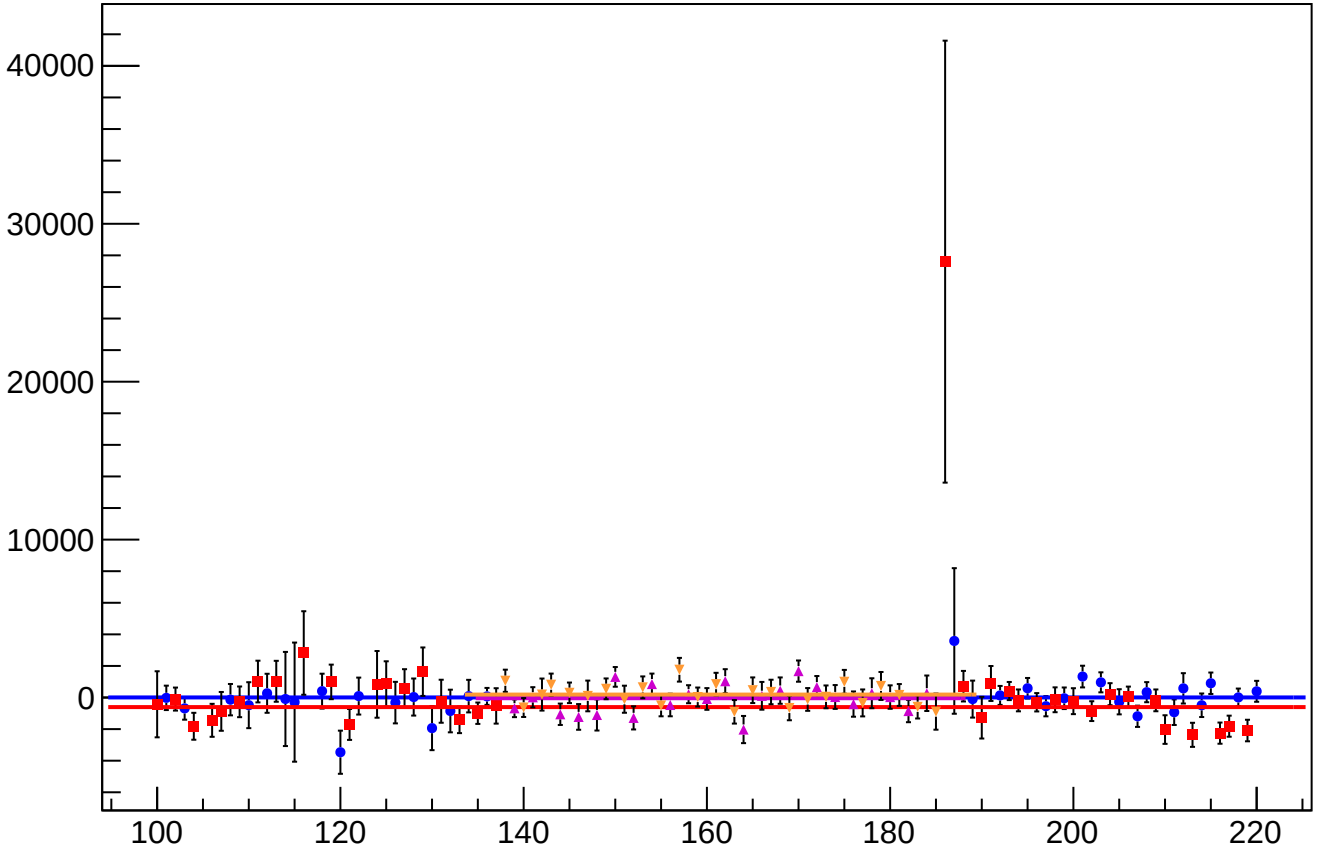
Right: 88.249+/-0.010 χ^2/NDF: 899652.3/69

In: 95.861+/-0.011 χ^2/NDF:1371504.7/55

Out: 95.224+/-0.011 χ^2/NDF:1897452.7/61

All: 95.536+/-0.008 χ^2/NDF: 3270707.2/117

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.035+/-144.031 χ^2/NDF: 26.1/32

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -605.642+/-143.893 χ^2/NDF: 54.5/36

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

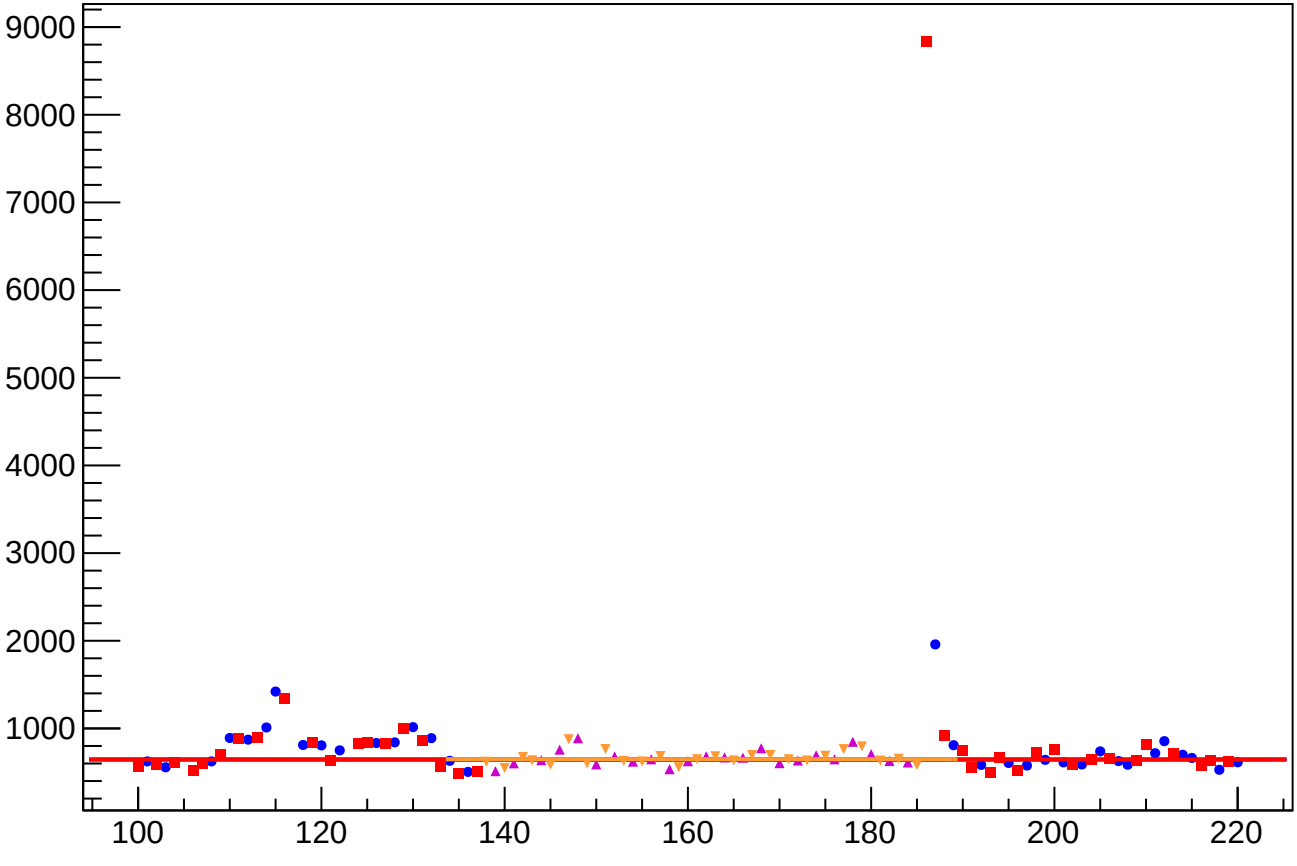
Right: -300.098+/-101.797 χ^2/NDF: 89.6/69

In: -17.273+/-104.568 χ^2/NDF:59.9/55

Out: -222.924+/-103.445 χ^2/NDF:88.2/61

All: -121.208+/-73.541 χ^2/NDF: 150.0/117

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.913+/-0.102 χ^2/NDF: 1334119.9/32

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

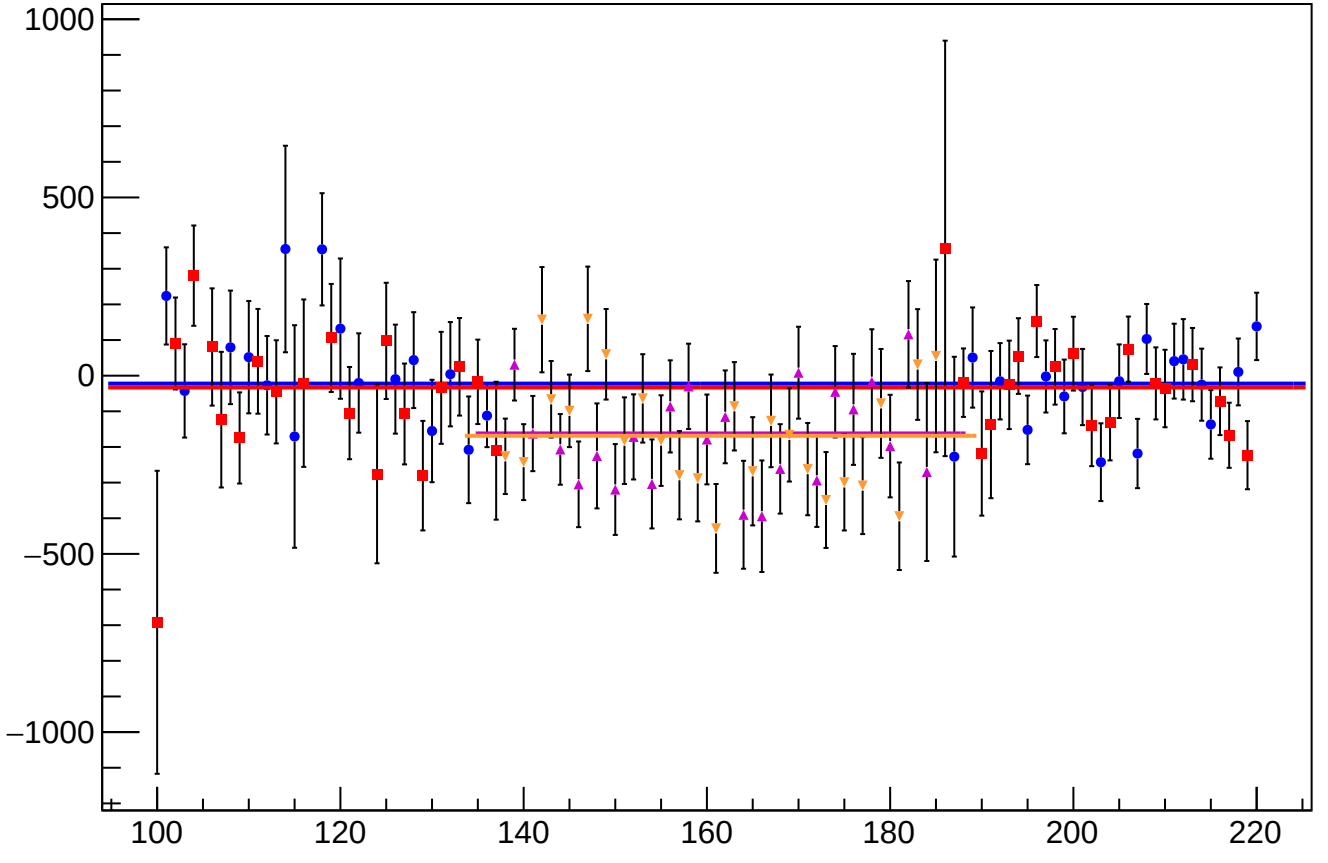
Right: 645.680+/-0.072 χ^2/NDF: 3425989.4/69

In: 645.043+/-0.074 χ^2/NDF:1893395.4/55

Out: 647.255+/-0.073 χ^2/NDF:2510878.0/61

All: 646.161+/-0.052 χ^2/NDF: 4404725.9/117

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -22.253+/-20.965 χ^2/NDF: 33.6/32

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -33.175+/-20.846 χ^2/NDF: 34.0/36

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

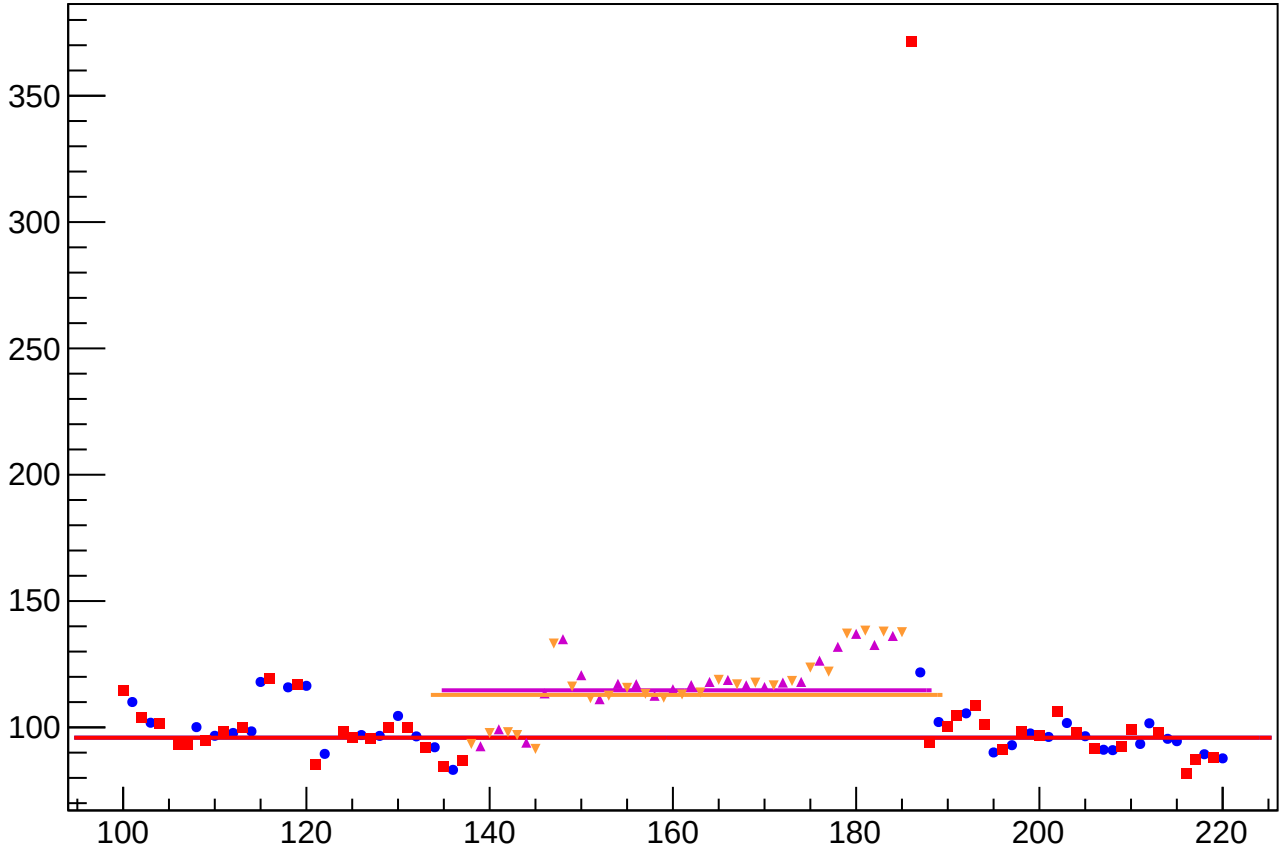
Right: -27.745+/-14.782 χ^2/NDF: 67.8/69

In: -74.956+/-16.547 χ^2/NDF:74.0/55

Out: -86.630+/-16.219 χ^2/NDF:83.1/61

All: -80.910+/-11.583 χ^2/NDF: 157.3/117

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 95.924+/-0.015 χ^2/NDF: 239497.5/32

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 95.909+/-0.015 χ^2/NDF: 703818.3/36

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

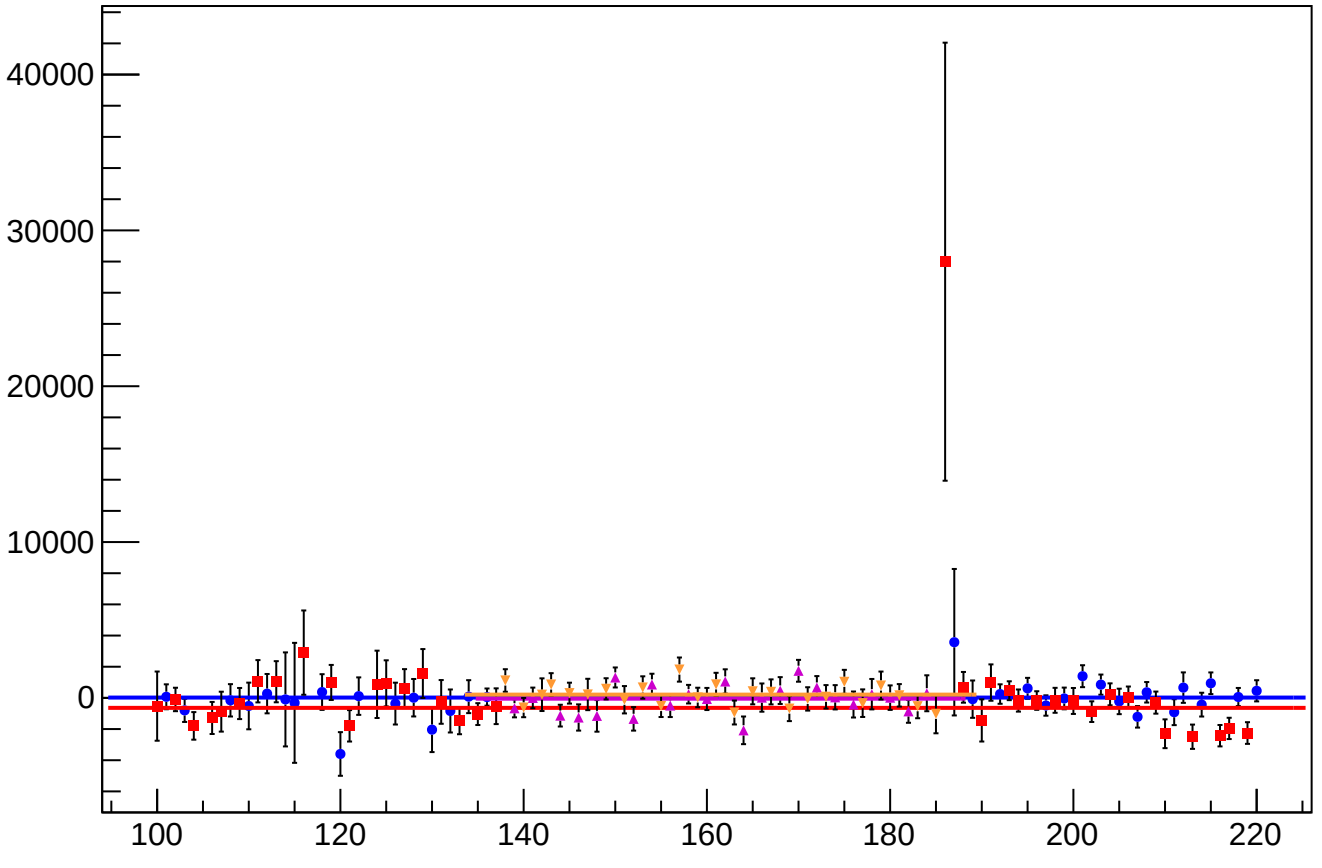
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 95.917+/-0.010 χ^2/NDF: 943316.3/69

In: 102.995+/-0.012 χ^2/NDF:1252796.1/55

Out: 102.594+/-0.011 χ^2/NDF:1737269.0/61

All: 102.791+/-0.008 χ^2/NDF: 2990663.2/117



Right In: 20.706+/-148.075 χ^2/NDF: 26.1/32

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -640.043+/-147.985 χ^2/NDF: 57.9/36

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

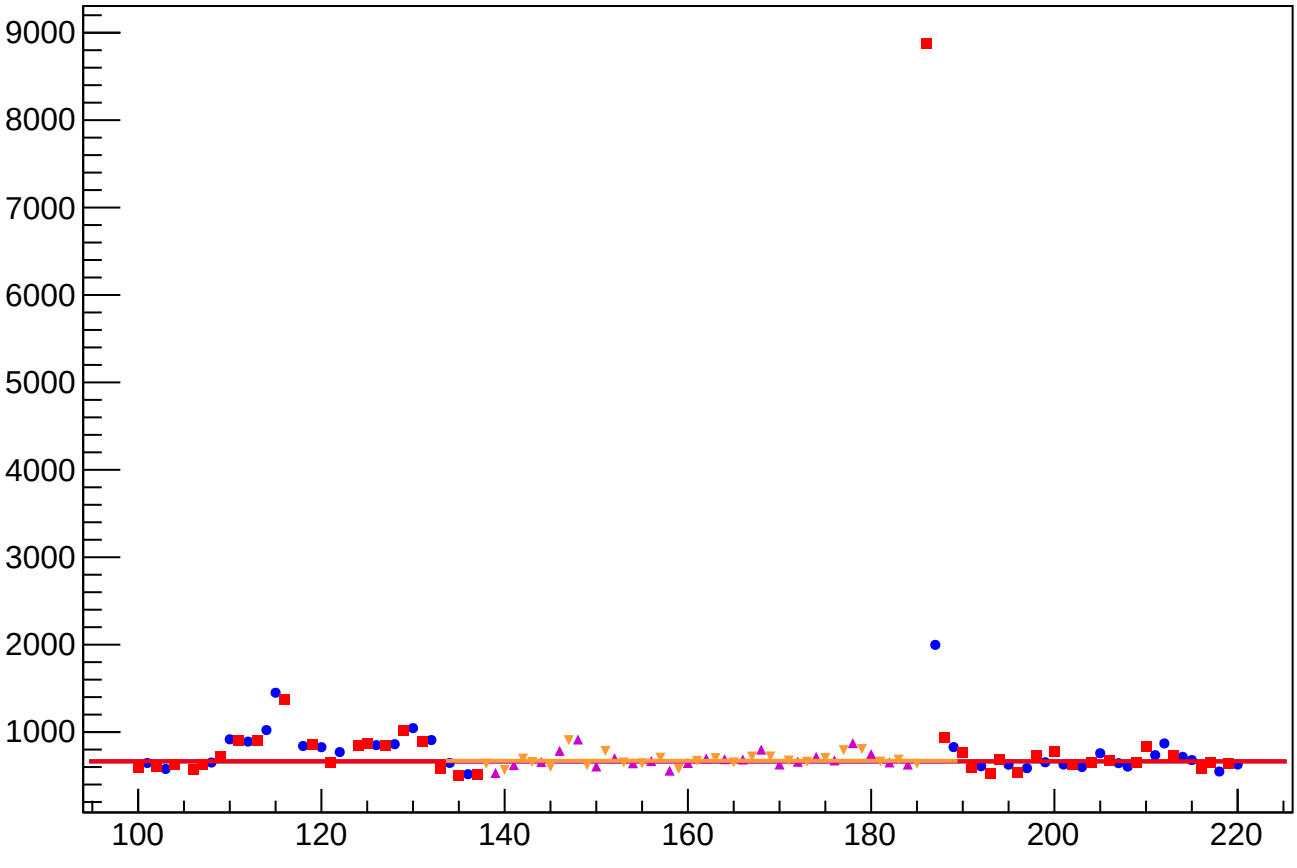
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -309.869+/-104.673 χ^2/NDF: 93.9/69

In: -12.597+/-107.878 χ^2/NDF:59.5/55

Out: -232.039+/-106.680 χ^2/NDF:92.6/61

All: -123.544+/-75.854 χ^2/NDF: 154.2/117



Right In: 664.577+/-0.105 χ^2/NDF: 1303763.4/32

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.783+/-0.105 χ^2/NDF: 2001479.3/36

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

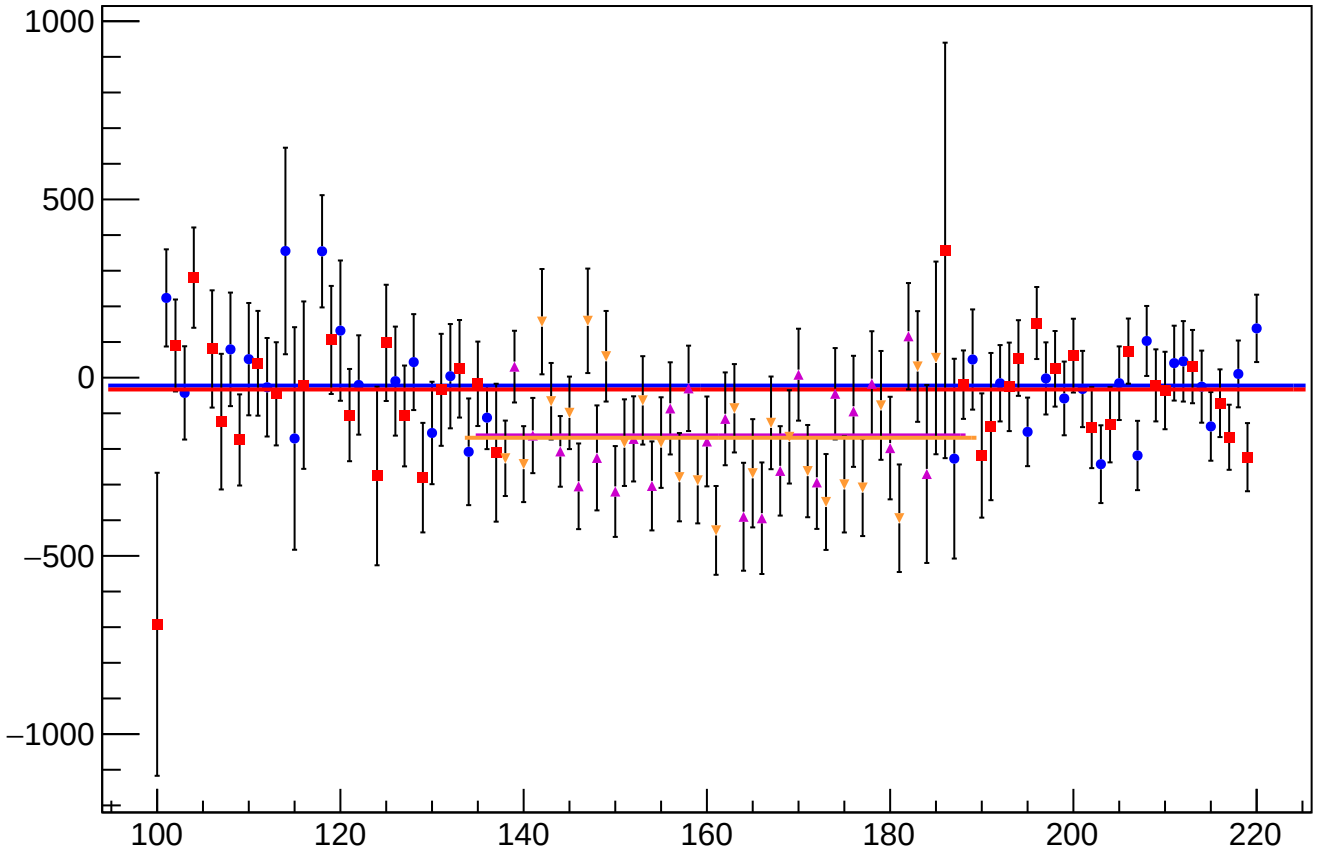
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 665.180+/-0.074 χ^2/NDF: 3305309.1/69

In: 665.874+/-0.076 χ^2/NDF:1850994.1/55

Out: 668.697+/-0.075 χ^2/NDF:2402252.9/61

All: 667.301+/-0.054 χ^2/NDF: 4253939.4/117



Right In: -22.253+/-20.965 χ^2/NDF: 33.6/32

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -33.174+/-20.846 χ^2/NDF: 34.0/36

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

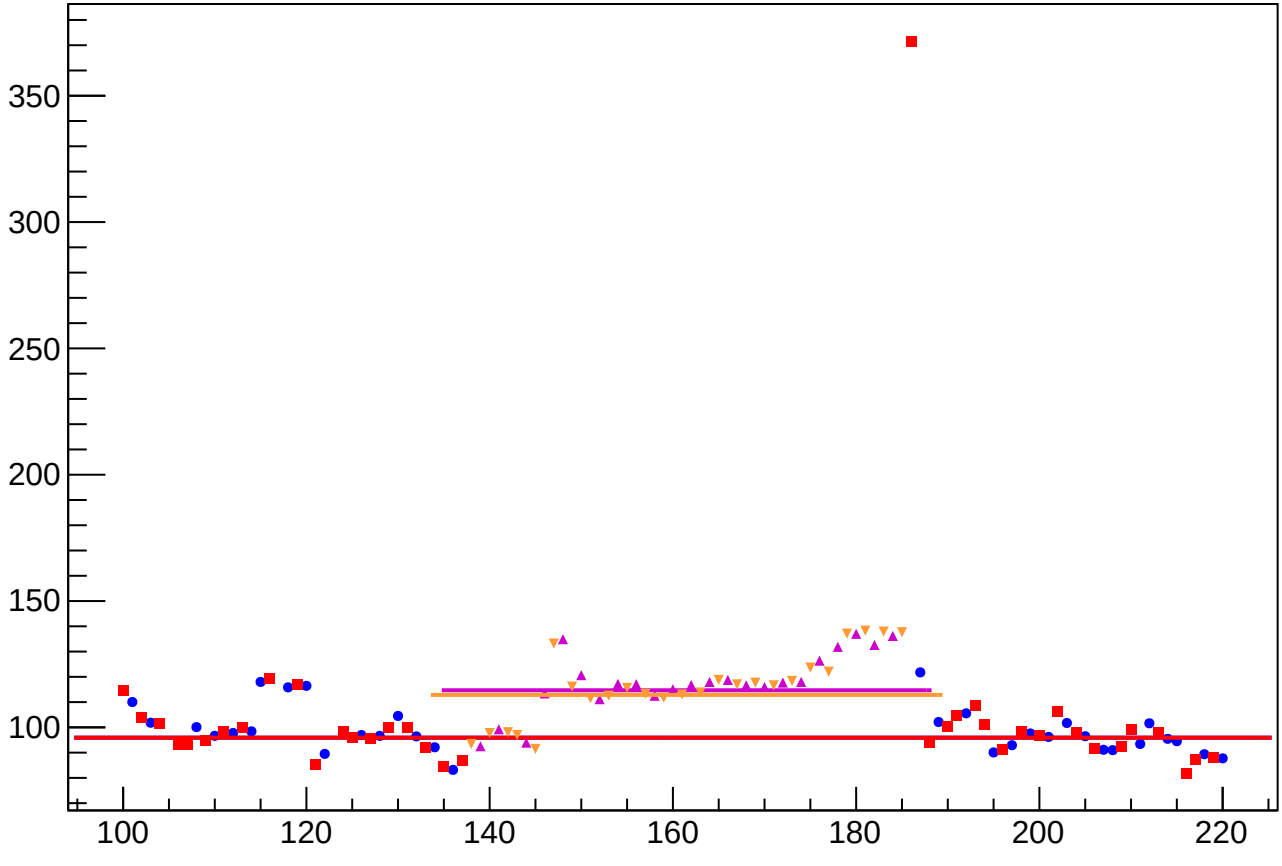
Right: -27.745+/-14.782 χ^2/NDF: 67.8/69

In: -74.956+/-16.547 χ^2/NDF:74.0/55

Out: -86.630+/-16.219 χ^2/NDF:83.1/61

All: -80.910+/-11.583 χ^2/NDF: 157.3/117

eigen_dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 95.924+/-0.015 χ^2/NDF: 239502.2/32

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 95.909+/-0.015 χ^2/NDF: 703822.7/36

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

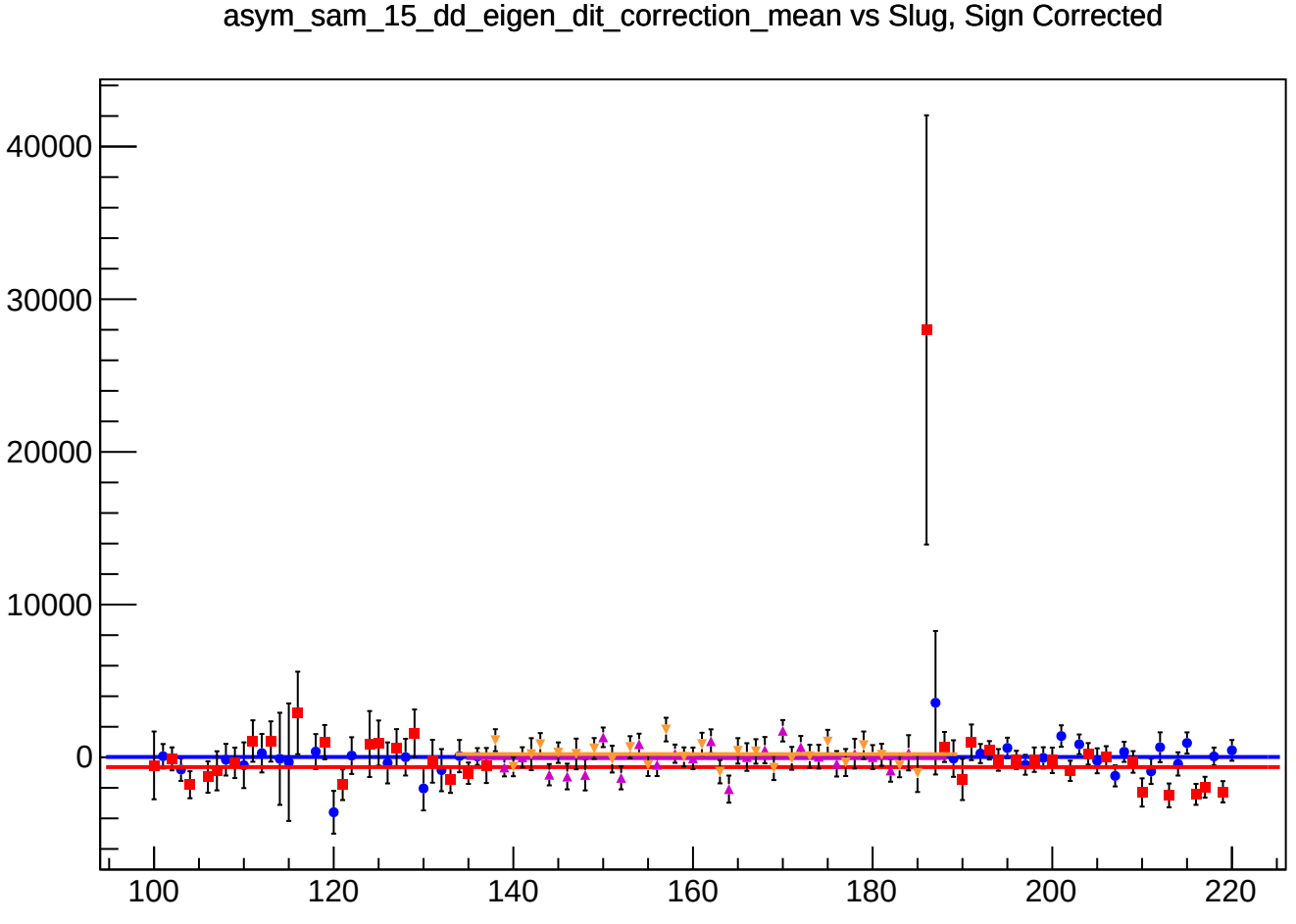
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 95.917+/-0.010 χ^2/NDF: 943325.5/69

In: 102.995+/-0.012 χ^2/NDF:1252814.3/55

Out: 102.594+/-0.011 χ^2/NDF:1737279.6/61

All: 102.791+/-0.008 χ^2/NDF: 2990692.0/117



Right In: 20.706+/-148.075 χ^2/NDF: 26.1/32

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -640.044+/-147.985 χ^2/NDF: 57.9/36

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

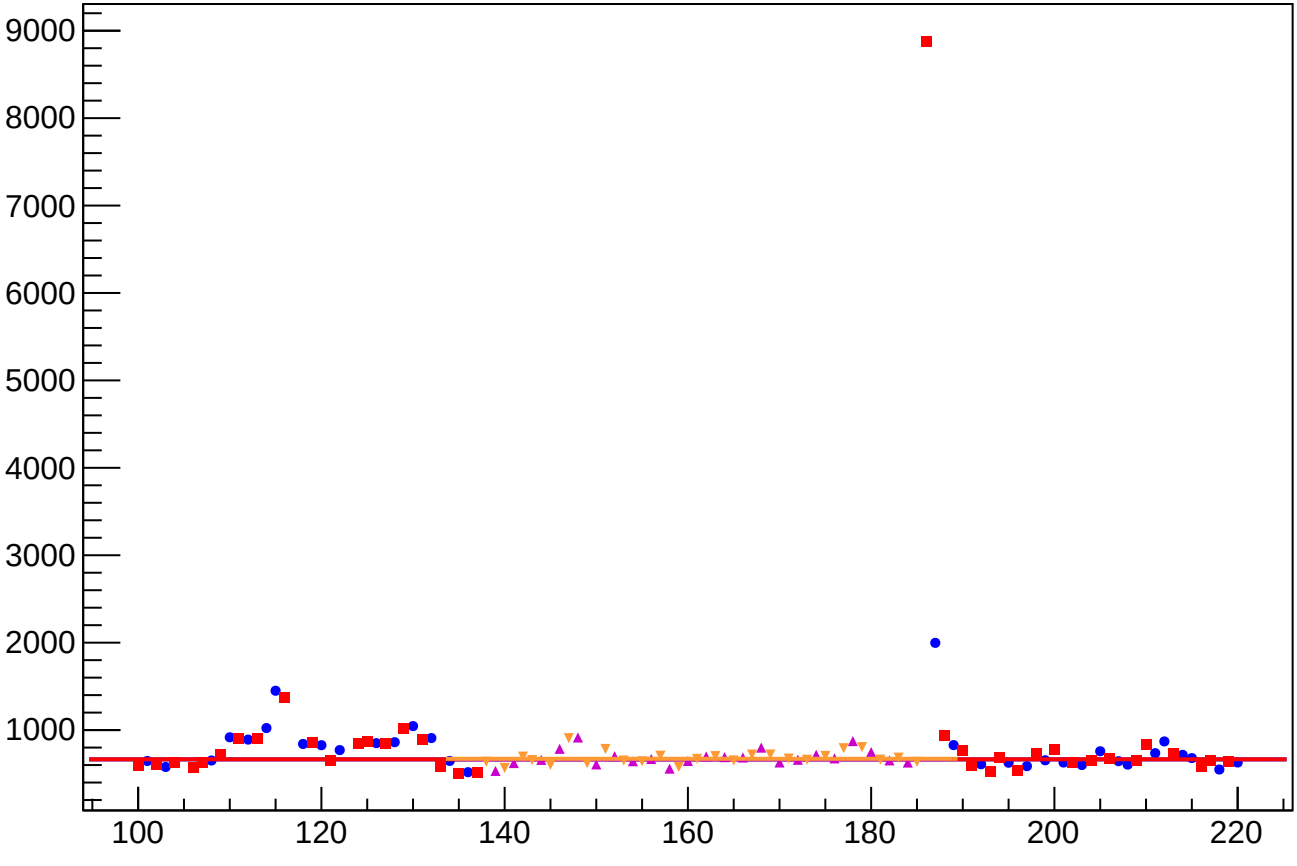
Right: -309.870+/-104.673 χ^2/NDF: 93.9/69

In: -12.597+/-107.878 χ^2/NDF:59.5/55

Out: -232.040+/-106.680 χ^2/NDF:92.6/61

All: -123.544+/-75.854 χ^2/NDF: 154.2/117

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 664.576+/-0.105 χ^2/NDF: 1303763.6/32

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.783+/-0.105 χ^2/NDF: 2001485.6/36

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

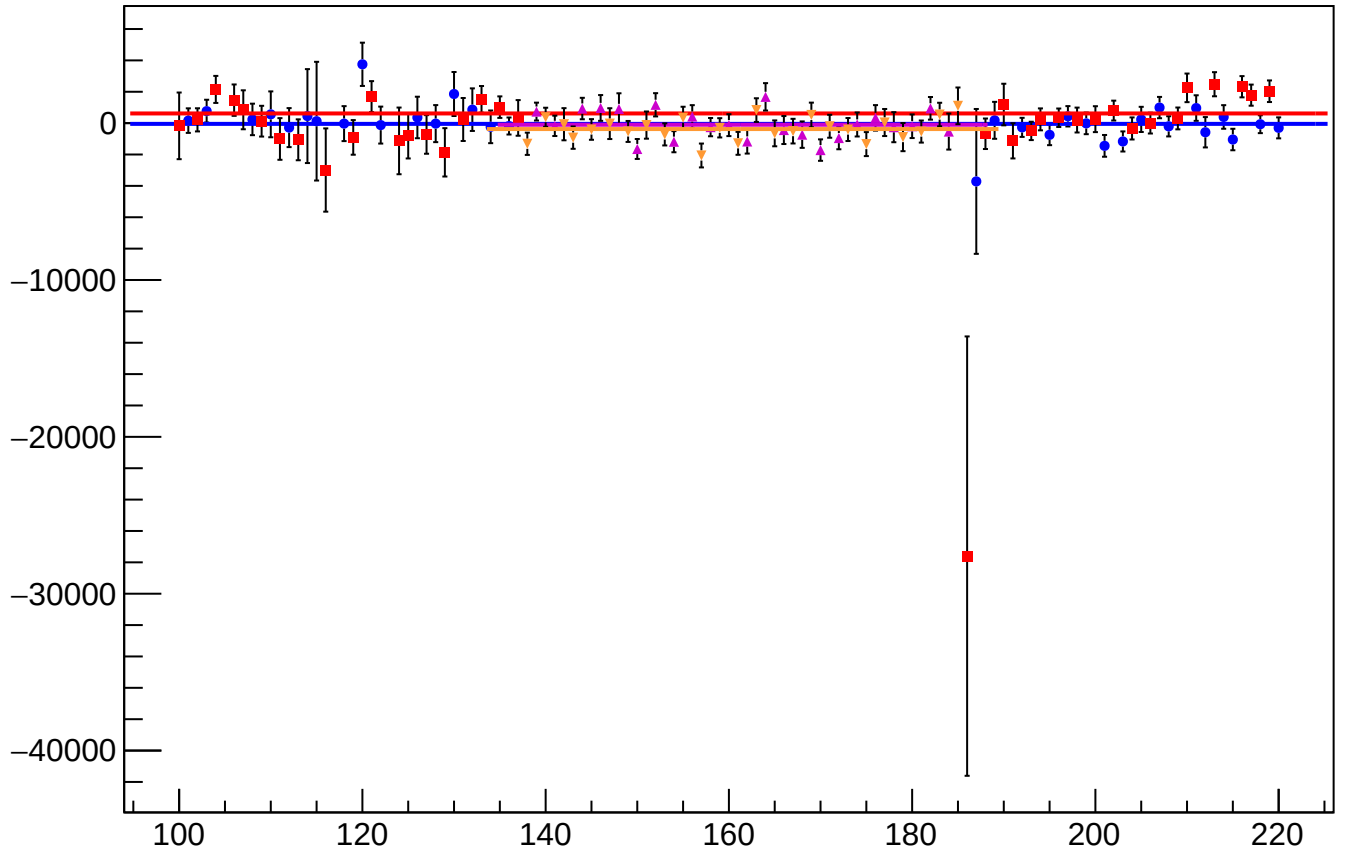
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 665.180+/-0.074 χ^2/NDF: 3305315.7/69

In: 665.874+/-0.076 χ^2/NDF:1850996.9/55

Out: 668.697+/-0.075 χ^2/NDF:2402260.3/61

All: 667.301+/-0.054 χ^2/NDF: 4253949.5/117



Right In: -47.134+/-145.493 χ^2/NDF: 28.3/32

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 617.047+/-145.216 χ^2/NDF: 58.4/36

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

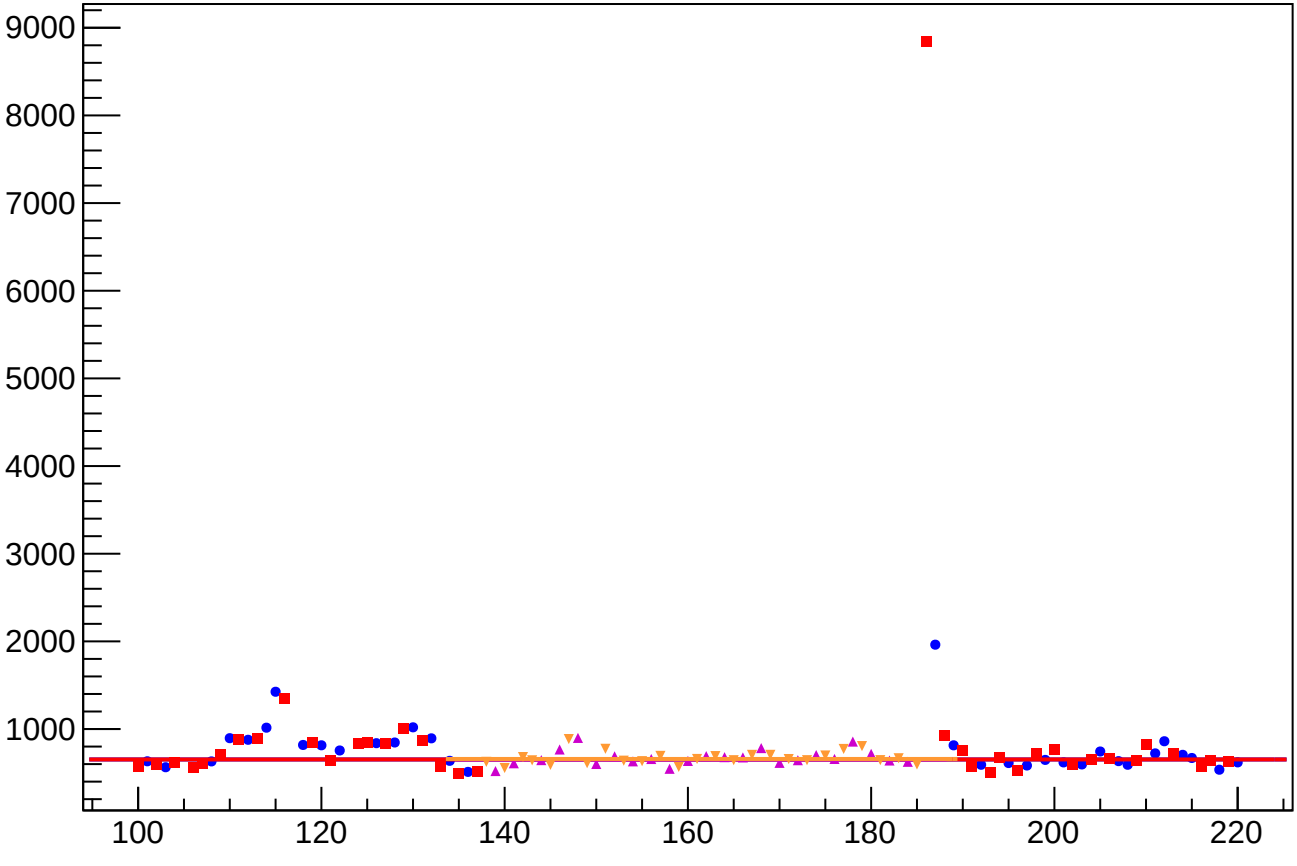
Right: 285.591+/-102.781 χ^2/NDF: 97.2/69

In: -73.572+/-105.867 χ^2/NDF:63.9/55

Out: 139.161+/-104.652 χ^2/NDF:102.4/61

All: 34.023+/-74.426 χ^2/NDF: 168.3/117

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 652.856+/-0.103 χ^2/NDF: 1303375.9/32

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 652.907+/-0.103 χ^2/NDF: 2041485.4/36

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

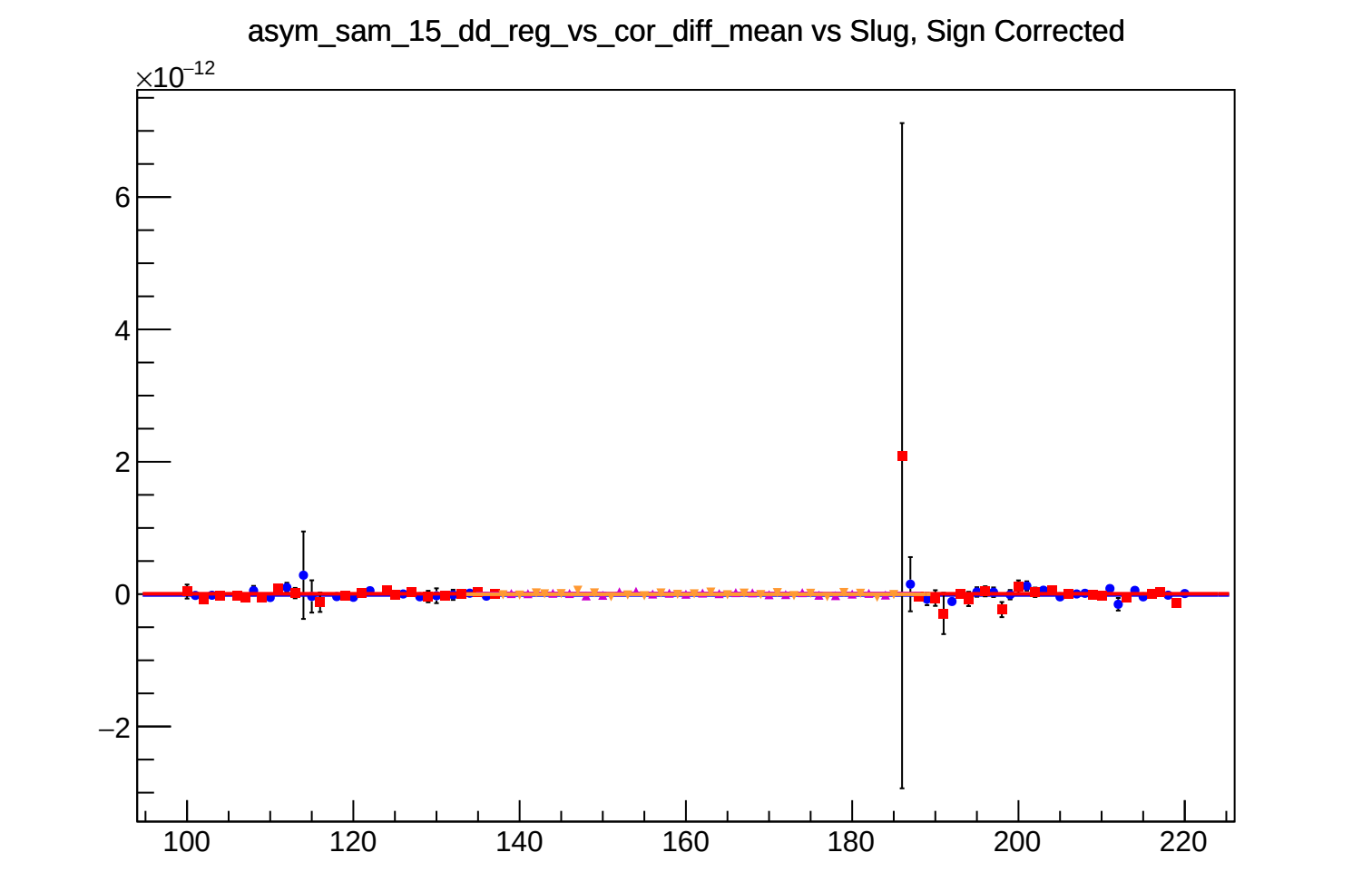
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 652.882+/-0.073 χ^2/NDF: 3344861.4/69

In: 653.371+/-0.075 χ^2/NDF:1845507.3/55

Out: 655.678+/-0.074 χ^2/NDF:2452684.6/61

All: 654.538+/-0.053 χ^2/NDF: 4298672.6/117



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.2/36

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

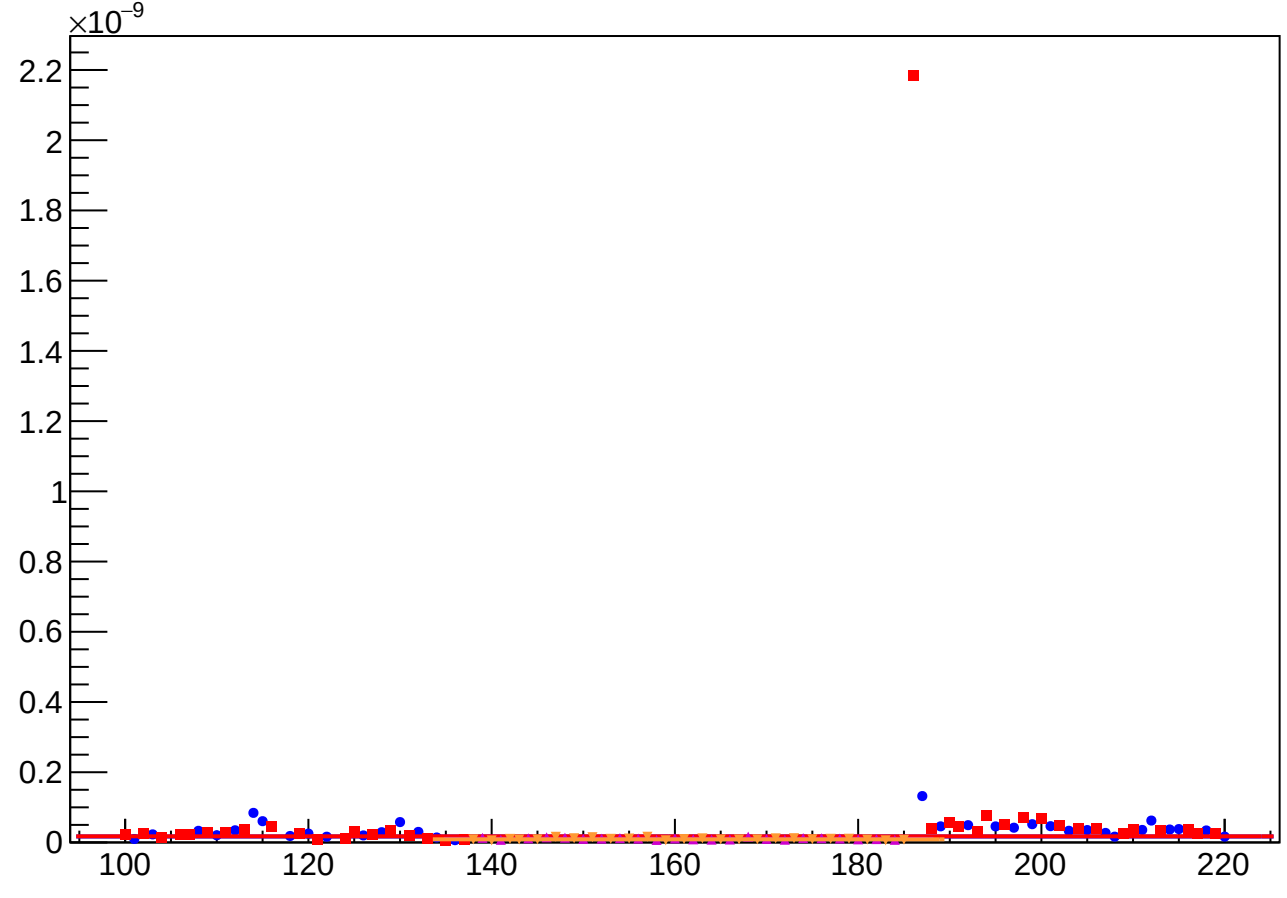
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 71.5/69

In: 0.000+/-0.000 χ^2/NDF:52.2/55

Out: -0.000+/-0.000 χ^2/NDF:71.1/61

All: 0.000+/-0.000 χ^2/NDF: 123.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 7363605.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8176186.8/36

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

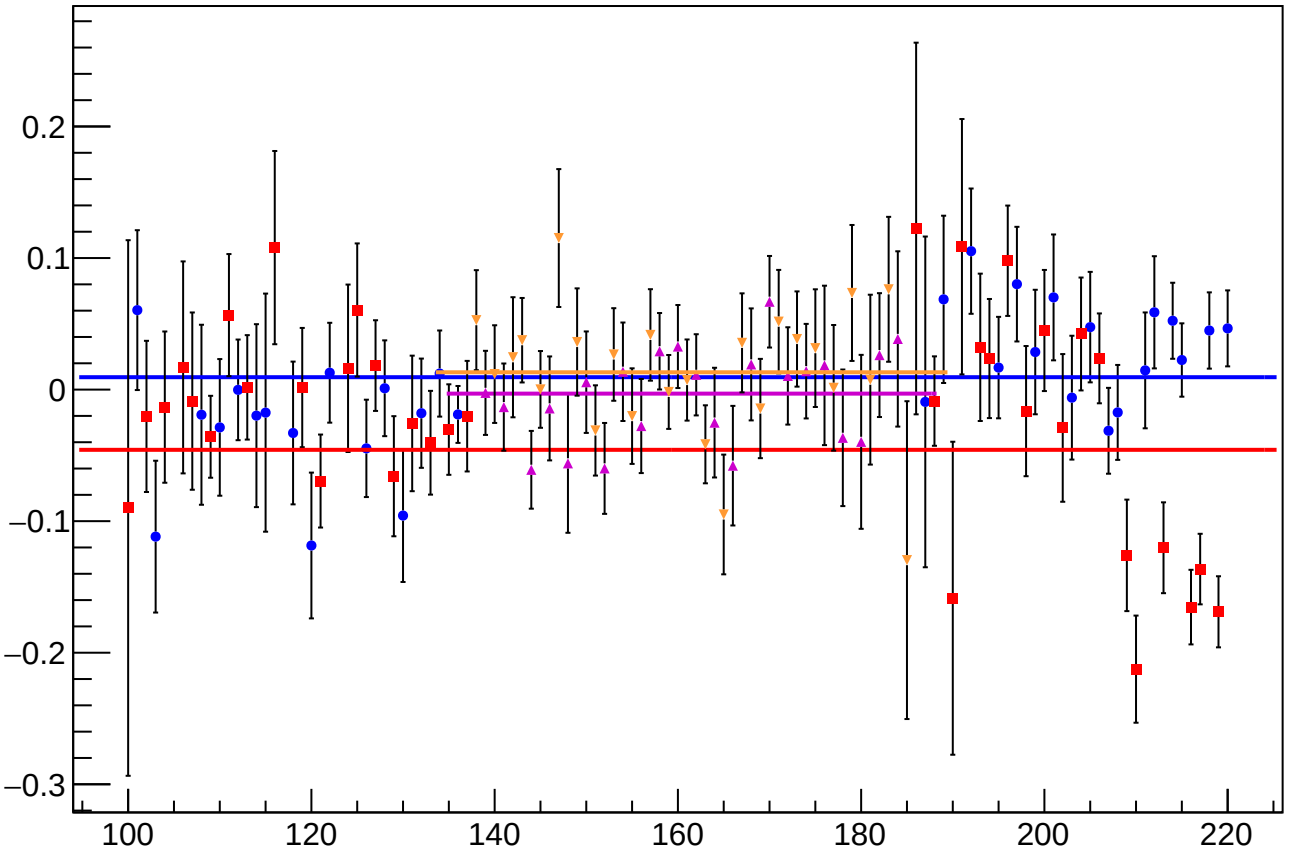
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15545519.6/69

In: 0.000+/-0.000 χ^2/NDF:9562672.1/55

Out: 0.000+/-0.000 χ^2/NDF:11665421.3/61

All: 0.000+/-0.000 χ^2/NDF: 21384973.2/117



Right In: 0.009+/-0.007 χ^2/NDF: 40.1/32

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

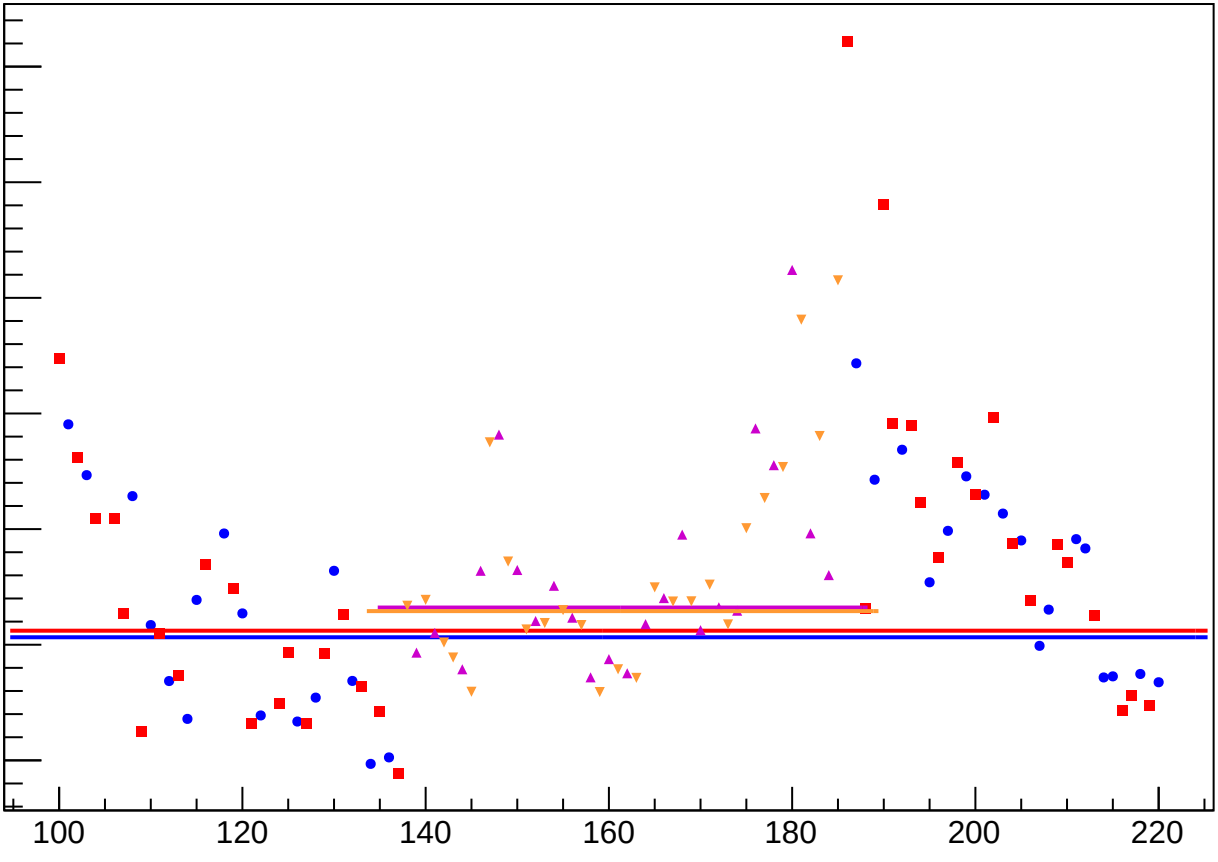
Right: -0.018+/-0.005 χ^2/NDF: 204.3/69

In: 0.004+/-0.005 χ^2/NDF:60.7/55

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.007+/-0.004 χ^2/NDF: 260.8/117

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.645+/-0.005 χ^2/NDF: 2647462.2/32

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

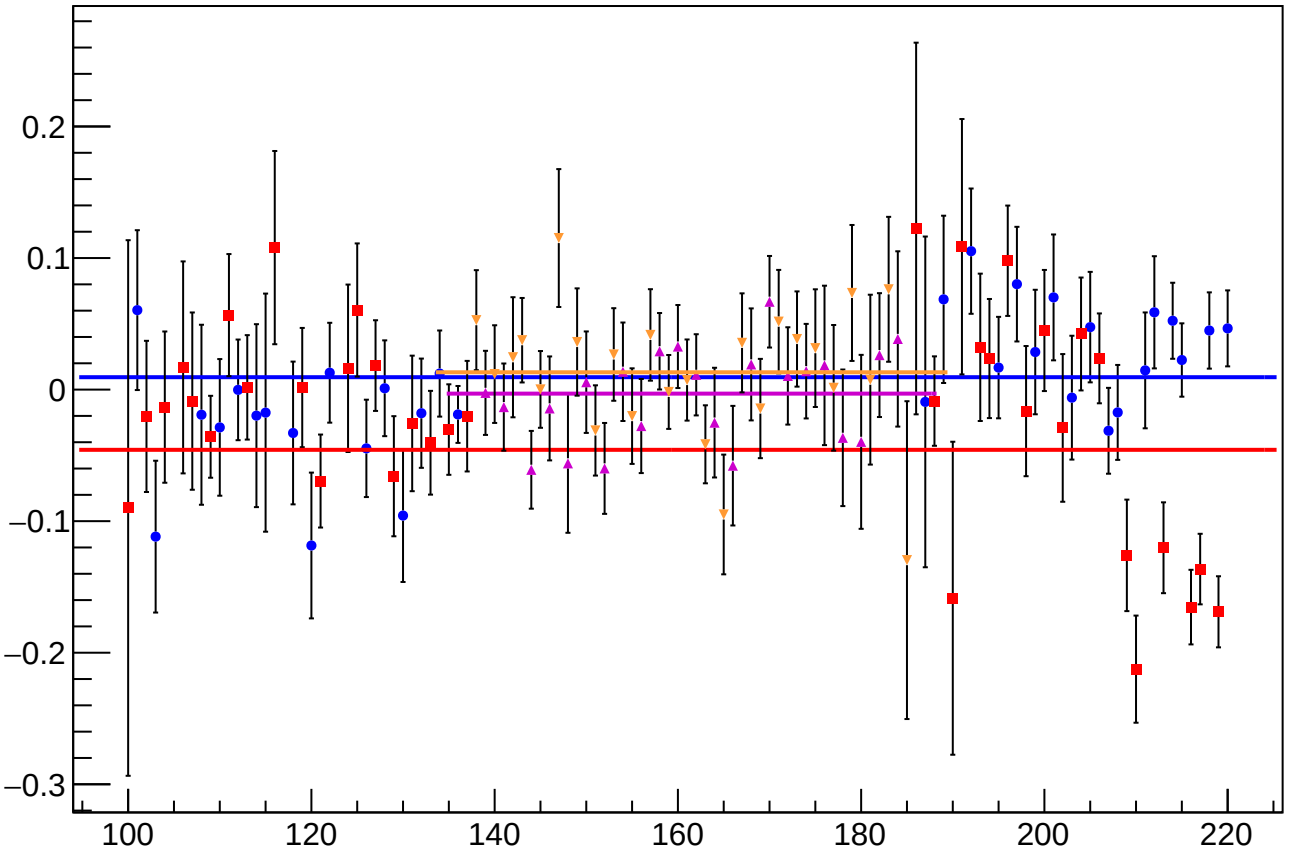
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.926+/-0.004 χ^2/NDF: 5539215.4/69

In: 31.762+/-0.004 χ^2/NDF:3986919.3/55

Out: 31.990+/-0.004 χ^2/NDF:4365791.8/61

All: 31.877+/-0.003 χ^2/NDF: 8354619.0/117



Right In: 0.009+/-0.007 χ^2/NDF: 40.1/32

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

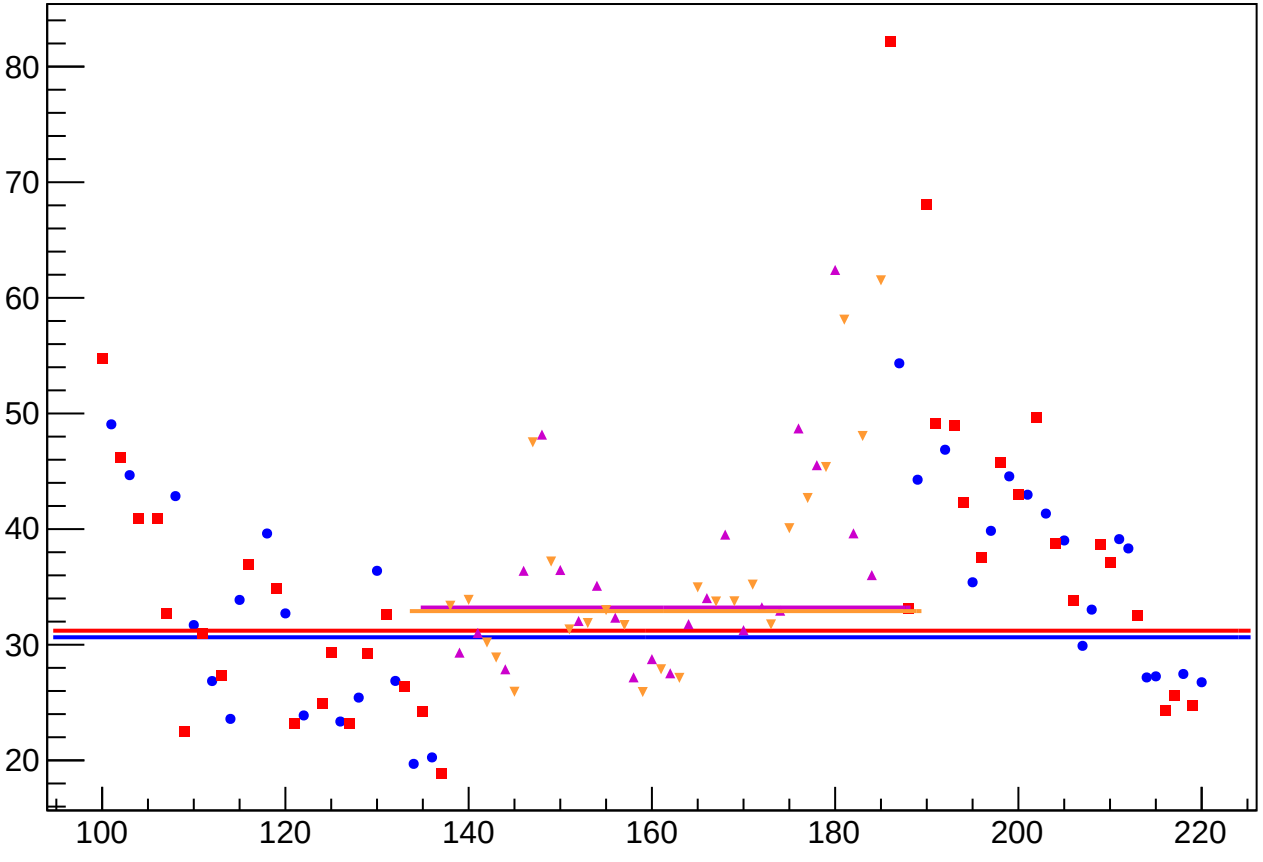
Right: -0.018+/-0.005 χ^2/NDF: 204.3/69

In: 0.004+/-0.005 χ^2/NDF:60.7/55

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.007+/-0.004 χ^2/NDF: 260.8/117

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.645+/-0.005 χ^2/NDF: 2647462.2/32

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

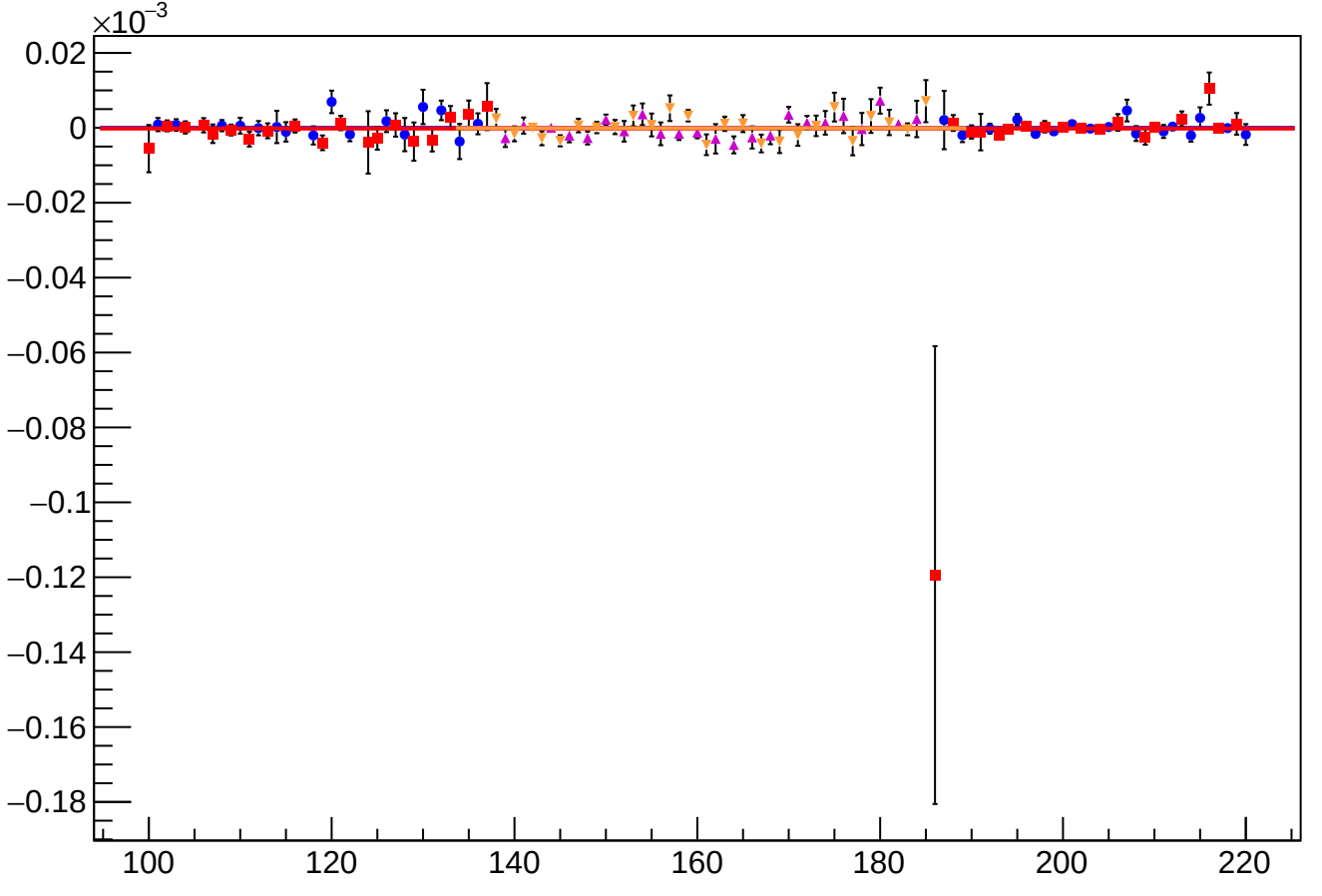
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.926+/-0.004 χ^2/NDF: 5539215.4/69

In: 31.762+/-0.004 χ^2/NDF:3986919.3/55

Out: 31.990+/-0.004 χ^2/NDF:4365791.8/61

All: 31.877+/-0.003 χ^2/NDF: 8354619.0/117



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/36

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

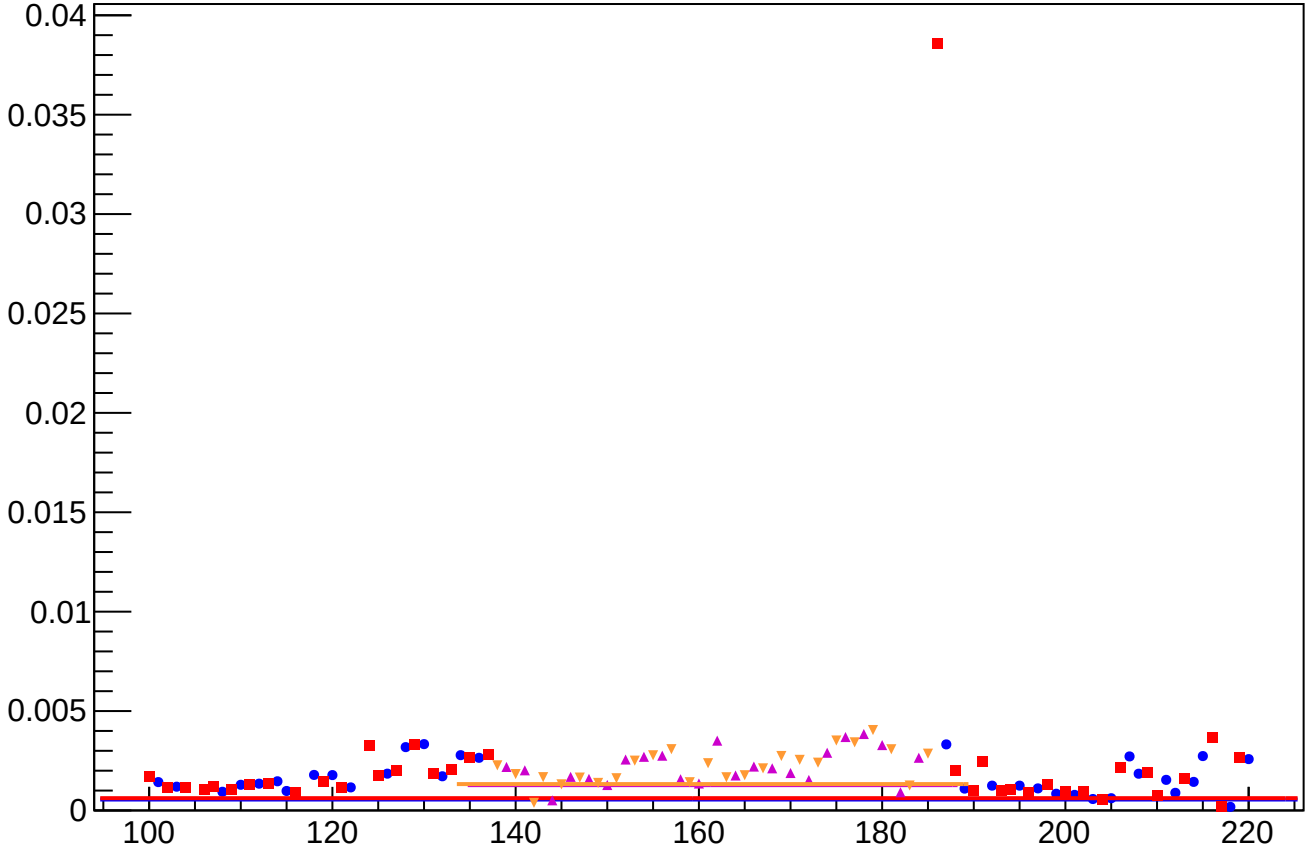
Right: -0.000+/-0.000 χ^2/NDF: 59.4/69

In: -0.000+/-0.000 χ^2/NDF:54.8/55

Out: -0.000+/-0.000 χ^2/NDF:62.3/61

All: -0.000+/-0.000 χ^2/NDF: 117.4/117

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 19377130.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 18252686.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

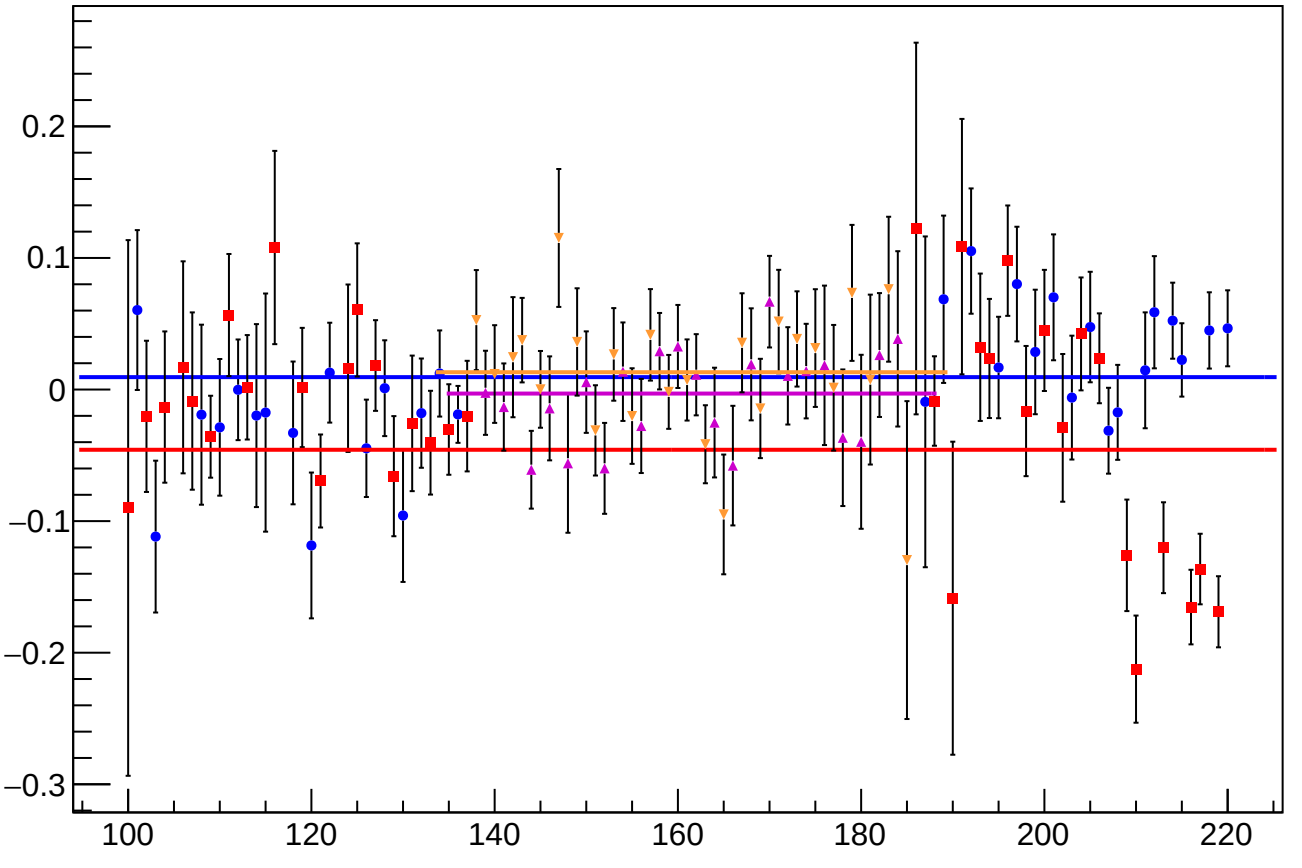
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 37768112.0/69

In: 0.001+/-0.000 χ^2/NDF:35940499.9/55

Out: 0.001+/-0.000 χ^2/NDF:35353344.7/61

All: 0.001+/-0.000 χ^2/NDF: 71473038.5/117



Right In: 0.009+/-0.007 χ^2/NDF: 40.1/32

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

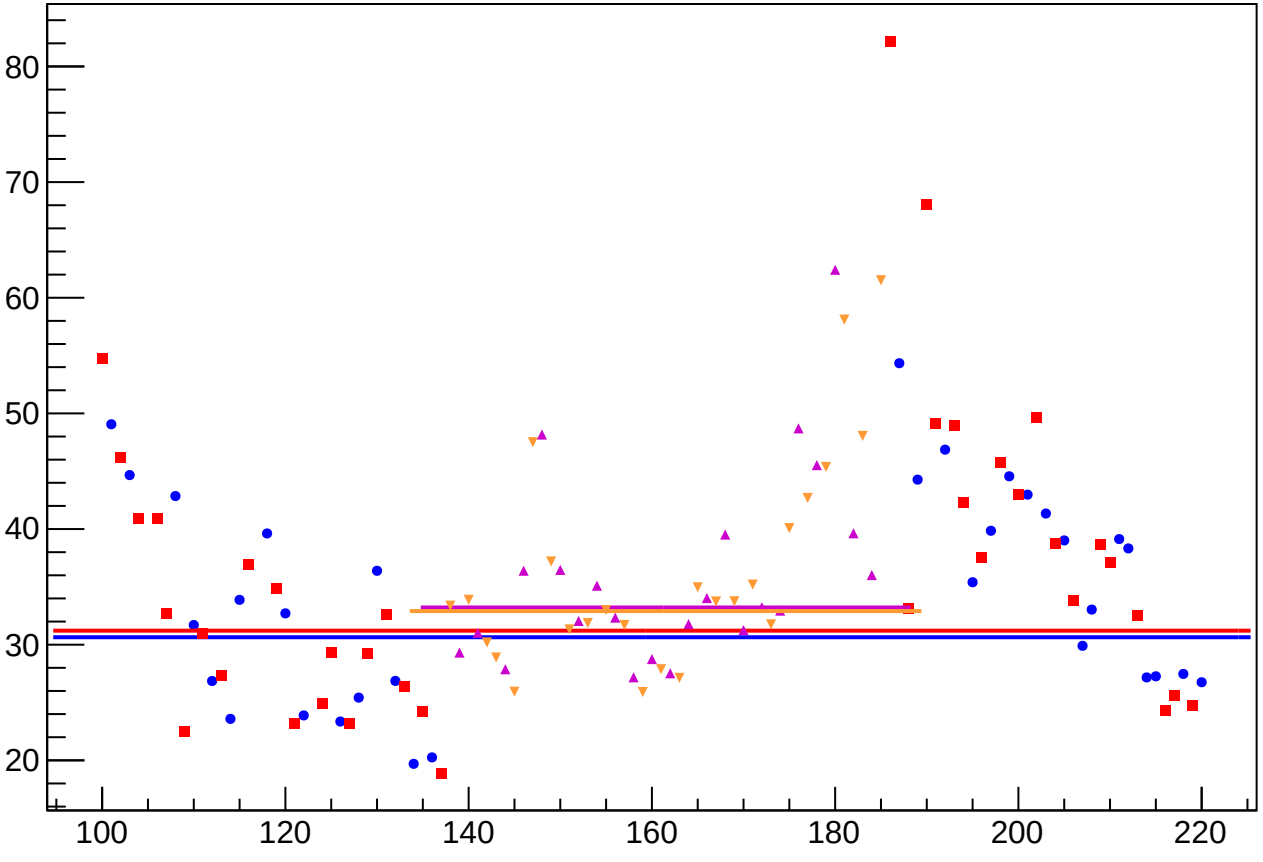
Right: -0.018+/-0.005 χ^2/NDF: 204.3/69

In: 0.004+/-0.005 χ^2/NDF:60.7/55

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.007+/-0.004 χ^2/NDF: 260.8/117

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.645+/-0.005 χ^2/NDF: 2647655.7/32

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

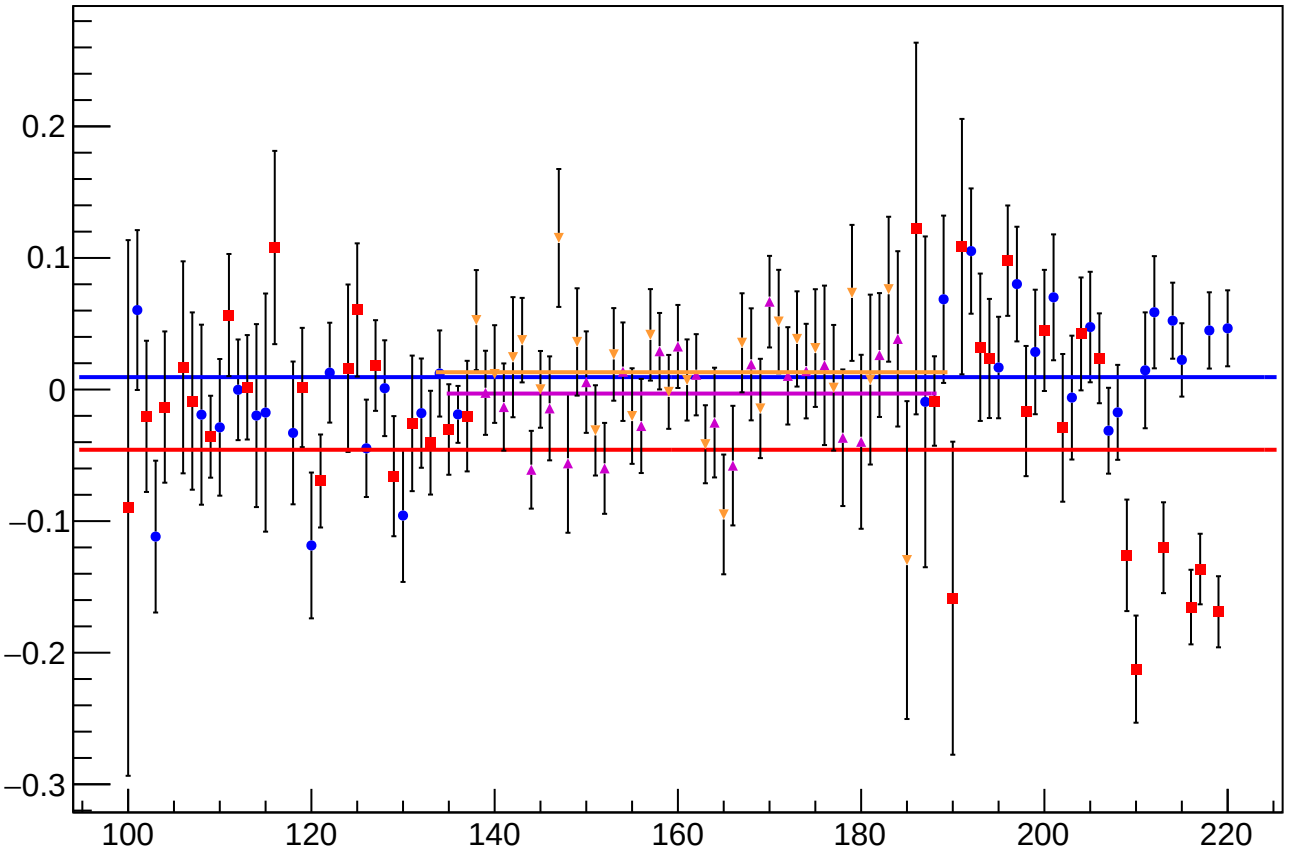
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.926+/-0.004 χ^2/NDF: 5539734.9/69

In: 31.761+/-0.004 χ^2/NDF:3987251.6/55

Out: 31.989+/-0.004 χ^2/NDF:4366253.7/61

All: 31.876+/-0.003 χ^2/NDF: 8355410.2/117



Right In: 0.009+/-0.007 χ^2/NDF: 40.1/32

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

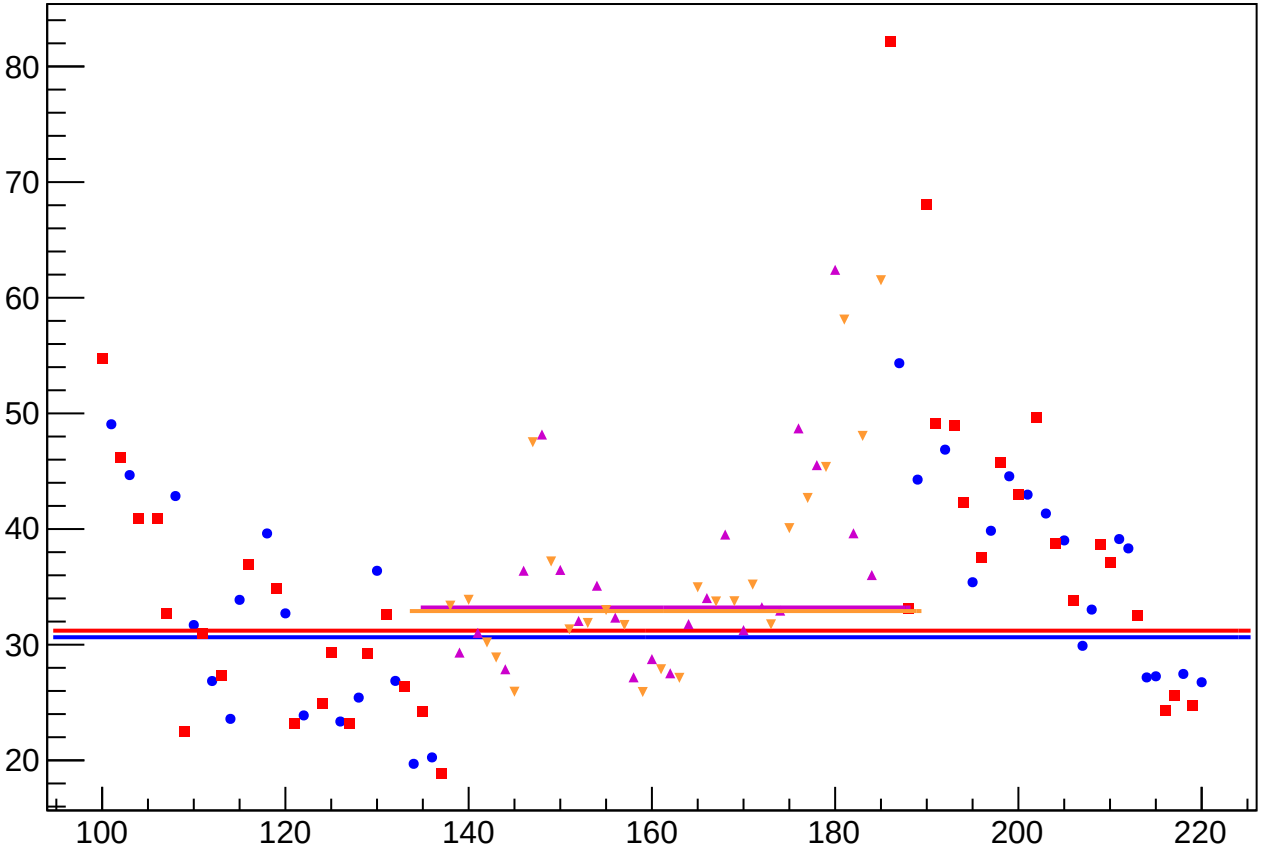
Right: -0.018+/-0.005 χ^2/NDF: 204.3/69

In: 0.004+/-0.005 χ^2/NDF:60.7/55

Out: -0.019+/-0.005 χ^2/NDF:190.5/61

All: -0.007+/-0.004 χ^2/NDF: 260.8/117

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.645+/-0.005 χ^2/NDF: 2647655.7/32

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

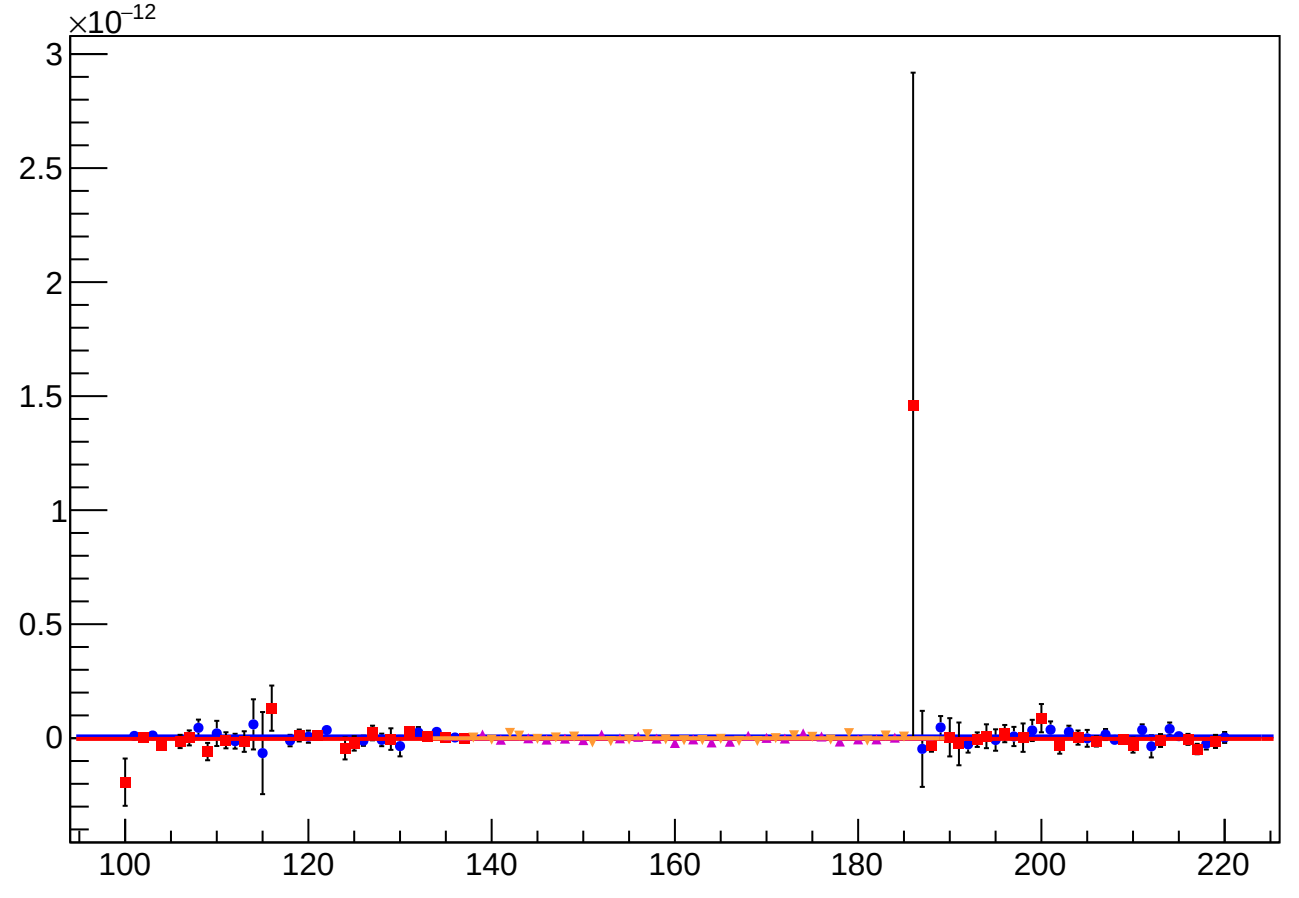
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.926+/-0.004 χ^2/NDF: 5539734.9/69

In: 31.761+/-0.004 χ^2/NDF:3987251.6/55

Out: 31.989+/-0.004 χ^2/NDF:4366253.7/61

All: 31.876+/-0.003 χ^2/NDF: 8355410.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/36

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

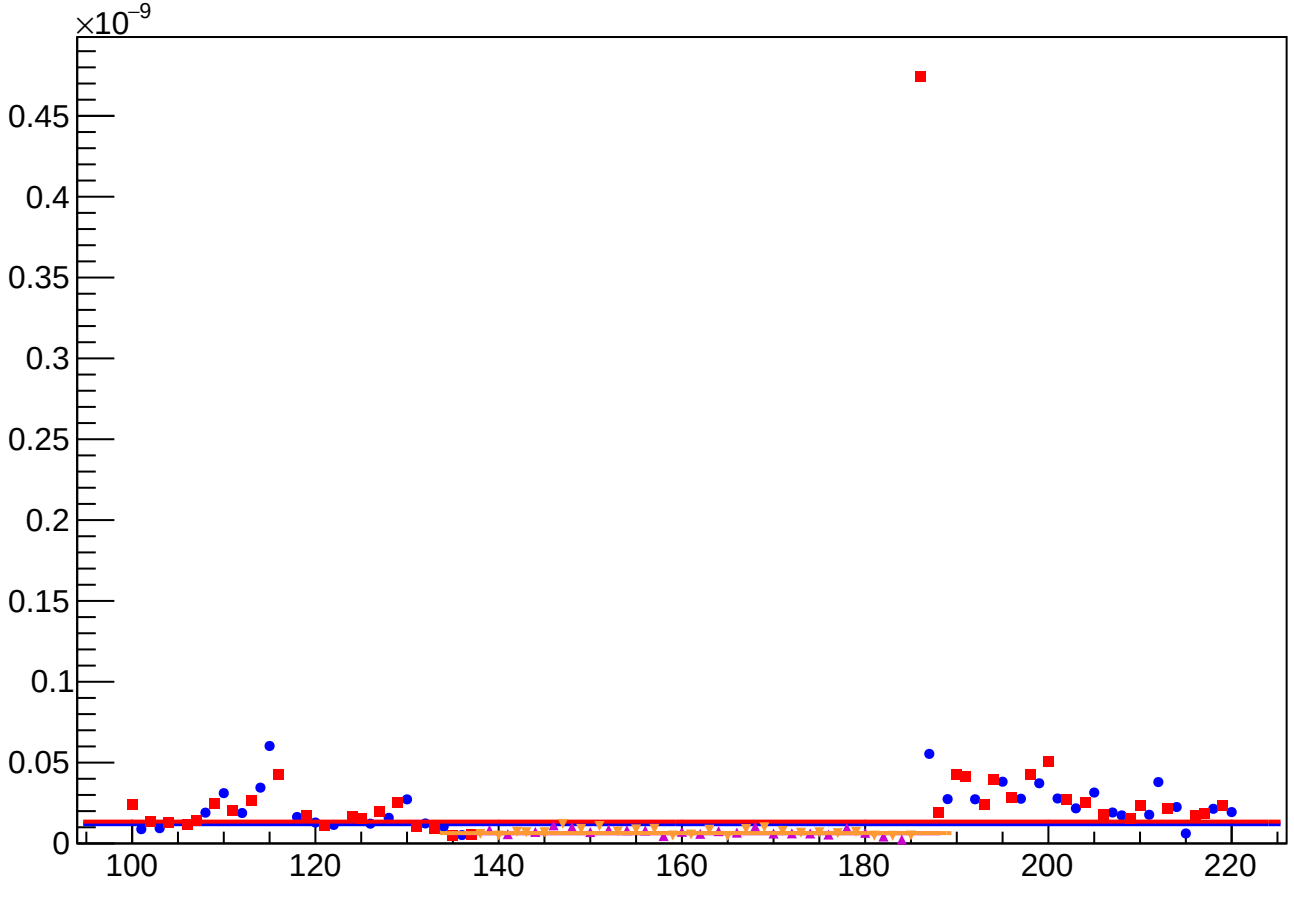
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.0/69

In: 0.000+/-0.000 χ^2/NDF:47.3/55

Out: -0.000+/-0.000 χ^2/NDF:58.2/61

All: -0.000+/-0.000 χ^2/NDF: 105.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 8815970.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8021040.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

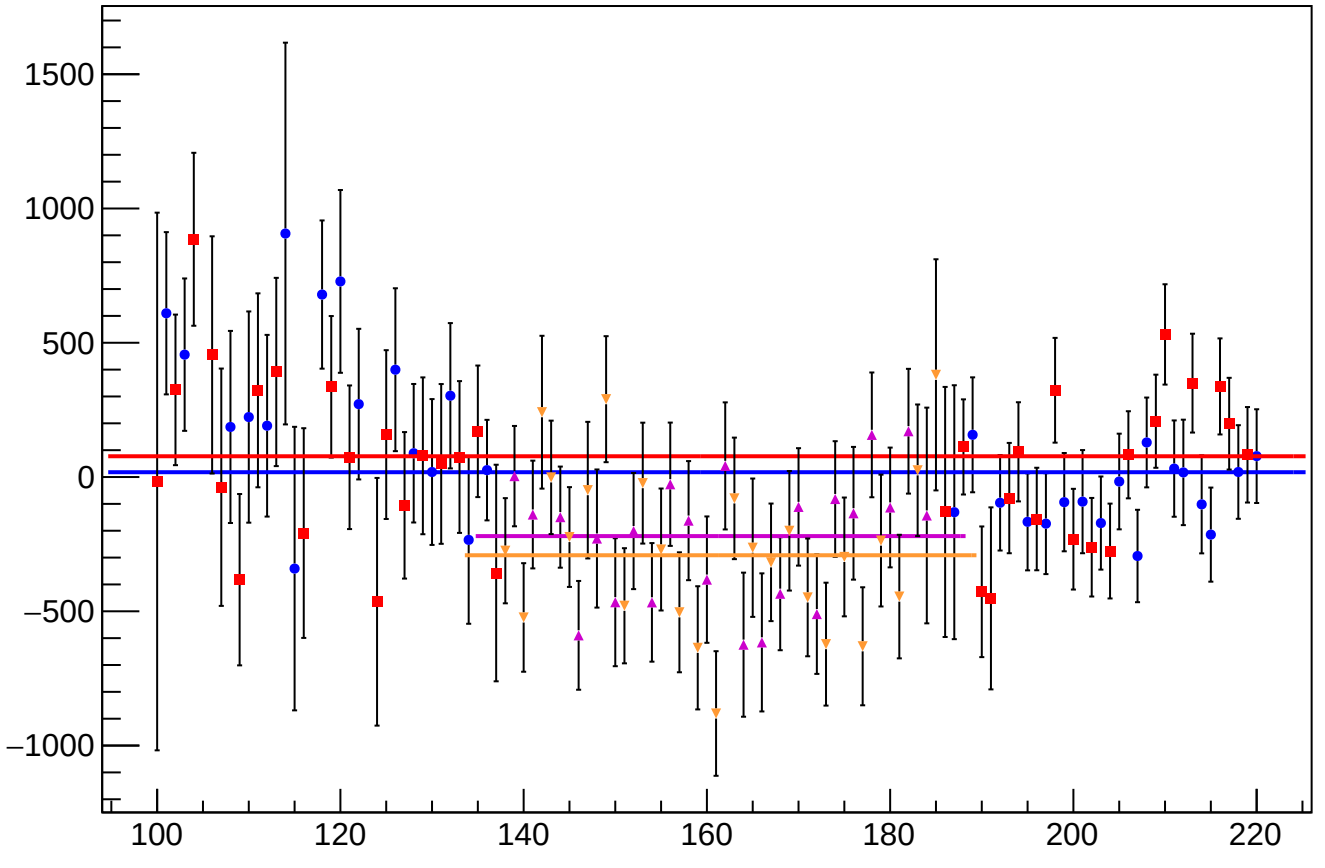
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 17001594.0/69

In: 0.000+/-0.000 χ^2/NDF:14469582.7/55

Out: 0.000+/-0.000 χ^2/NDF:14859014.4/61

All: 0.000+/-0.000 χ^2/NDF: 29336160.1/117



Right In: 17.936+/-38.579 χ^2/NDF: 34.3/32

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 77.343+/-38.736 χ^2/NDF: 48.0/36

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

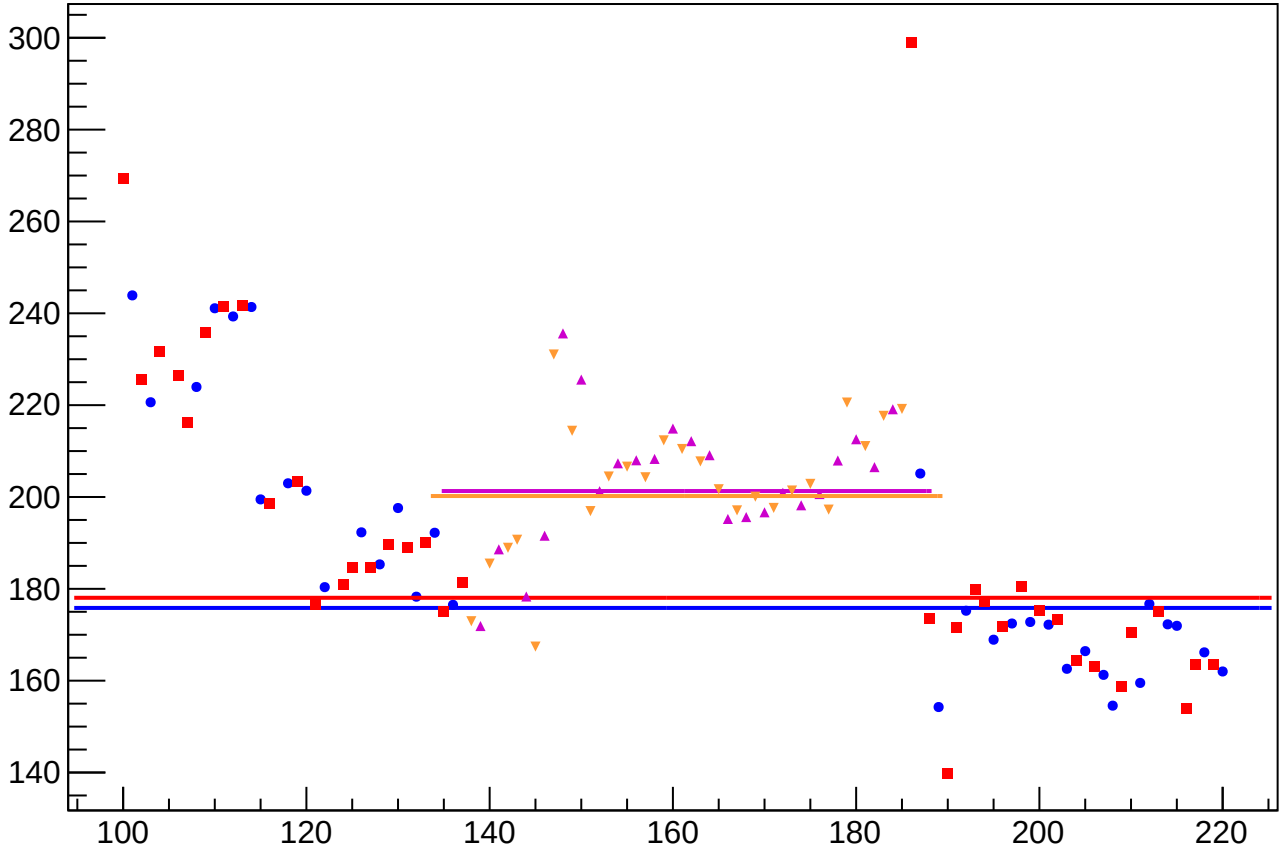
Right: 47.519+/-27.335 χ^2/NDF: 83.5/69

In: -77.479+/-29.857 χ^2/NDF:73.3/55

Out: -77.126+/-29.526 χ^2/NDF:122.3/61

All: -77.301+/-20.994 χ^2/NDF: 195.6/117

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 175.841+/-0.027 χ^2/NDF: 526269.5/32

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 178.050+/-0.027 χ^2/NDF: 711348.8/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

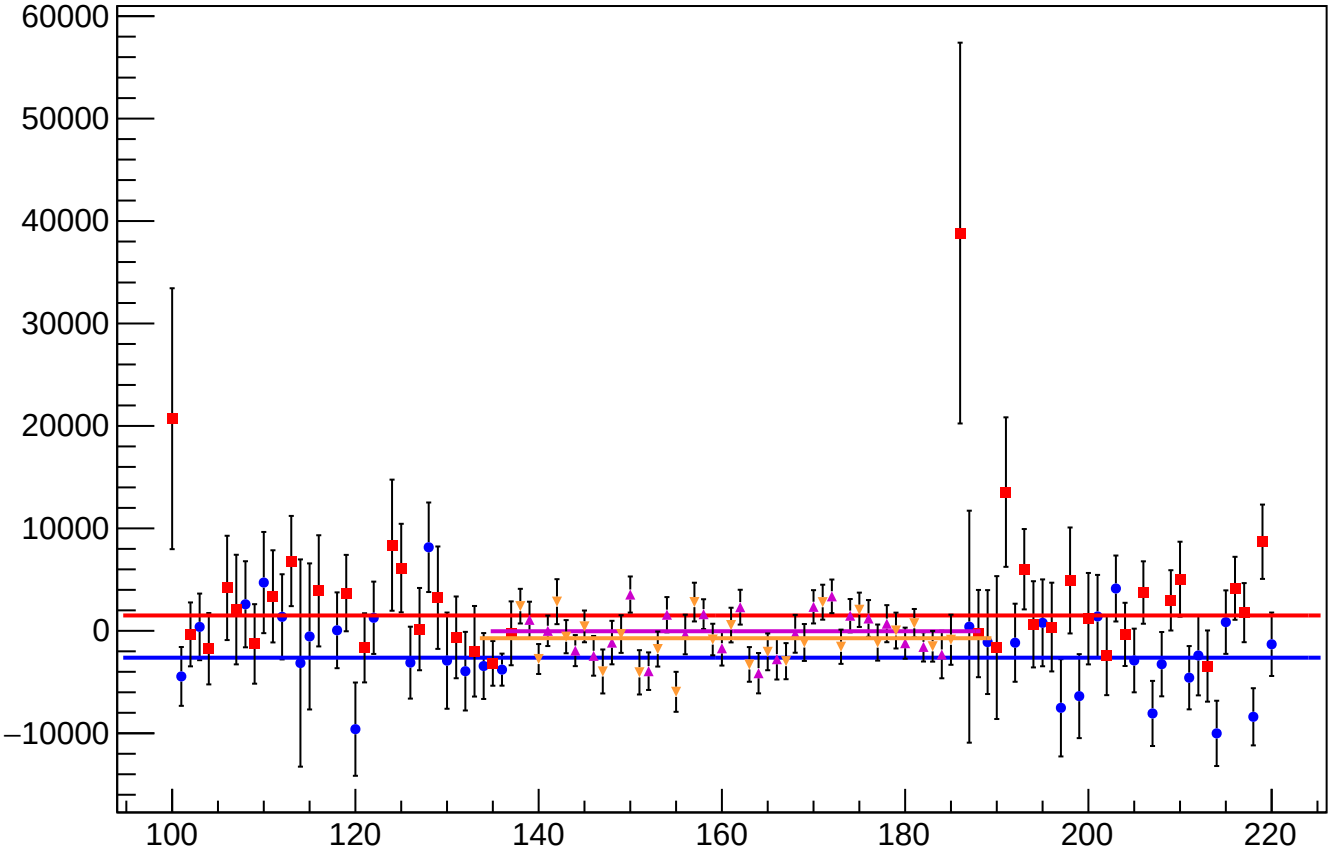
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.941+/-0.019 χ^2/NDF: 1240883.8/69

In: 186.051+/-0.021 χ^2/NDF:1057149.3/55

Out: 187.335+/-0.021 χ^2/NDF:1189982.3/61

All: 186.700+/-0.015 χ^2/NDF: 2249003.8/117



Right In: -2621.604+/-608.856 χ^2/NDF: 39.7/32

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 1500.558+/-639.312 χ^2/NDF: 34.5/36

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

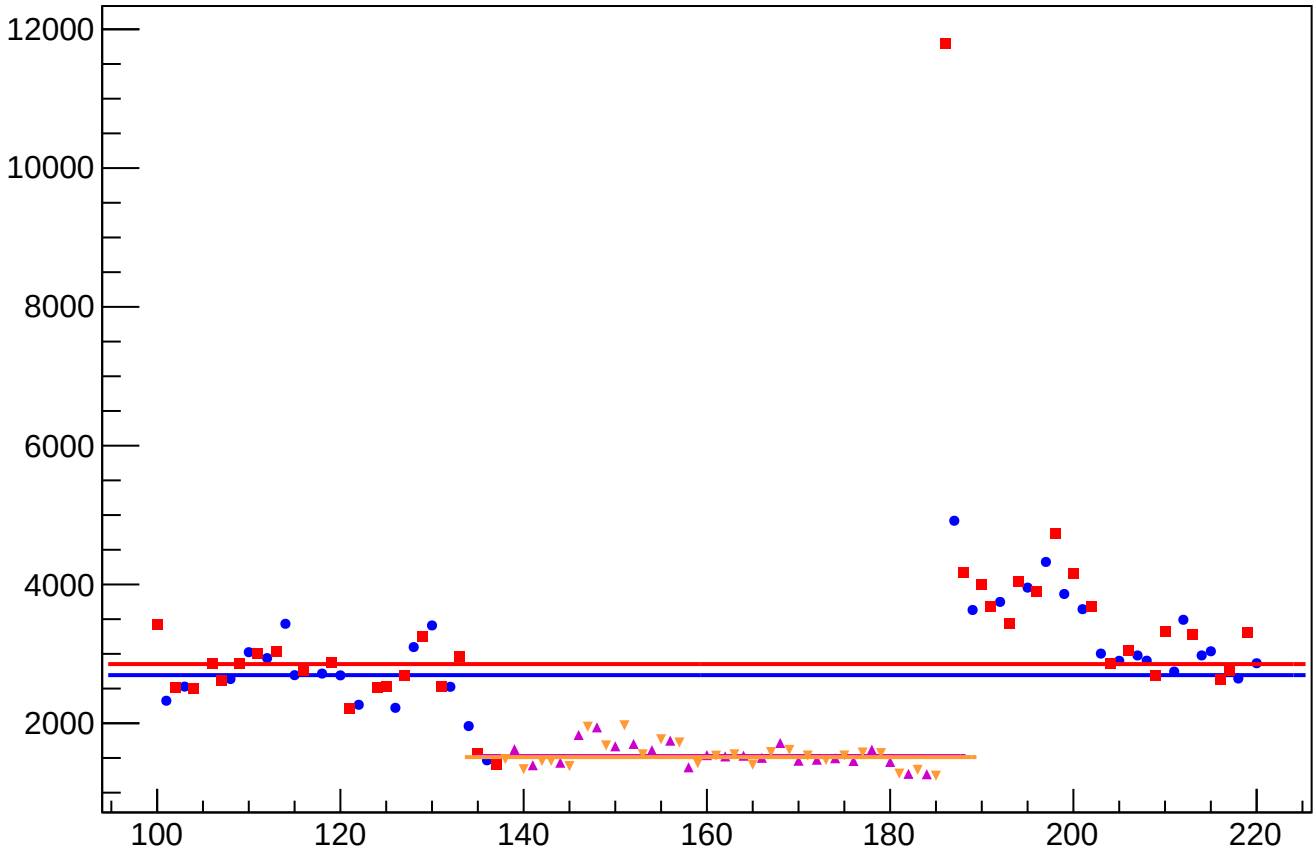
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -661.047+/-440.900 χ^2/NDF: 95.9/69

In: -706.184+/-309.415 χ^2/NDF:87.4/55

Out: -216.633+/-304.549 χ^2/NDF:82.1/61

All: -457.529+/-217.049 χ^2/NDF: 170.8/117



Right In: 2693.575+/-0.431 χ^2/NDF: 2702553.8/32

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2852.728+/-0.452 χ^2/NDF: 3018171.4/36

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

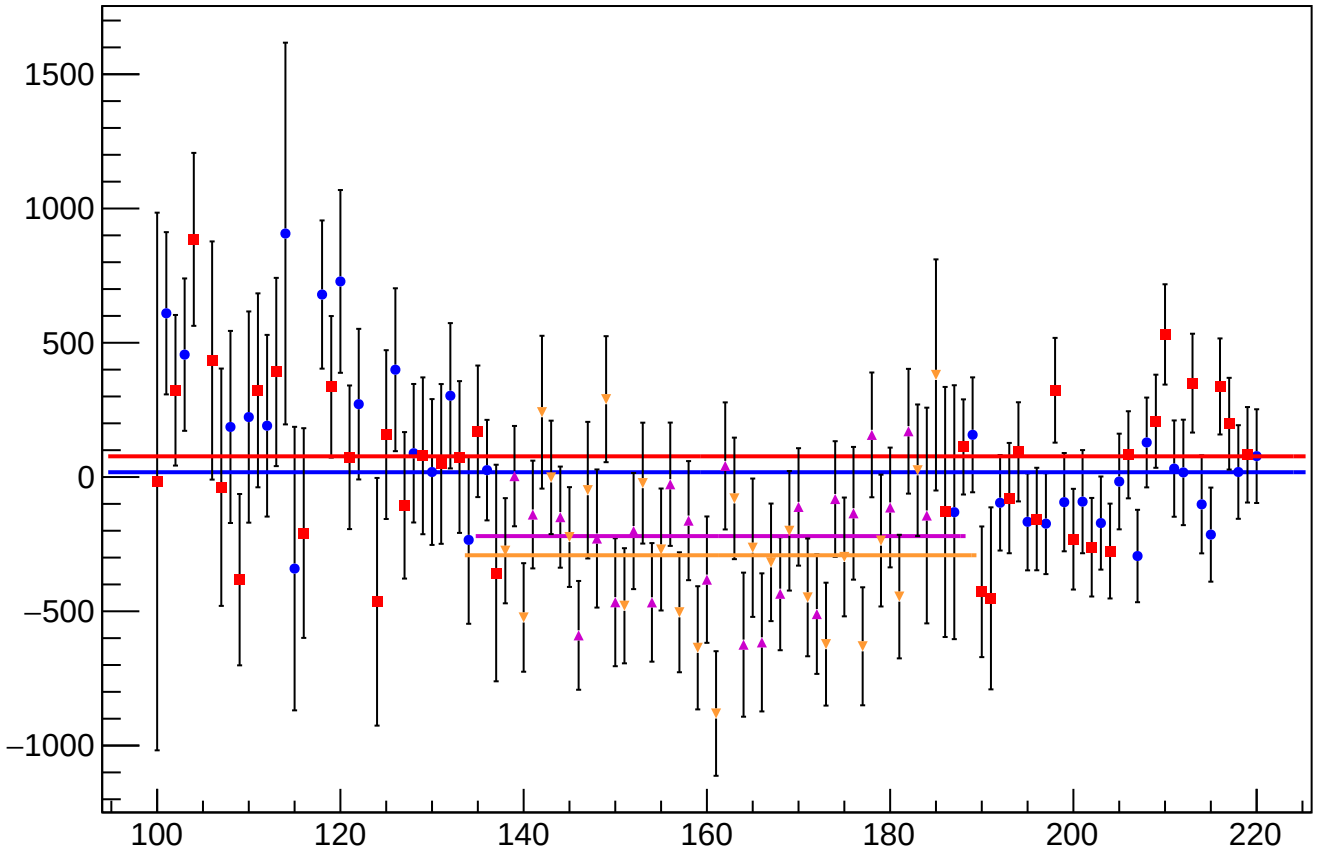
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2769.270+/-0.312 χ^2/NDF: 5785721.0/69

In: 1828.992+/-0.219 χ^2/NDF:8513420.2/55

Out: 1816.531+/-0.215 χ^2/NDF:10256974.3/61

All: 1822.663+/-0.153 χ^2/NDF: 18772042.1/1



Right In: 17.928+/-38.579 χ^2/NDF: 34.3/32

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 77.121+/-38.738 χ^2/NDF: 47.9/36

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

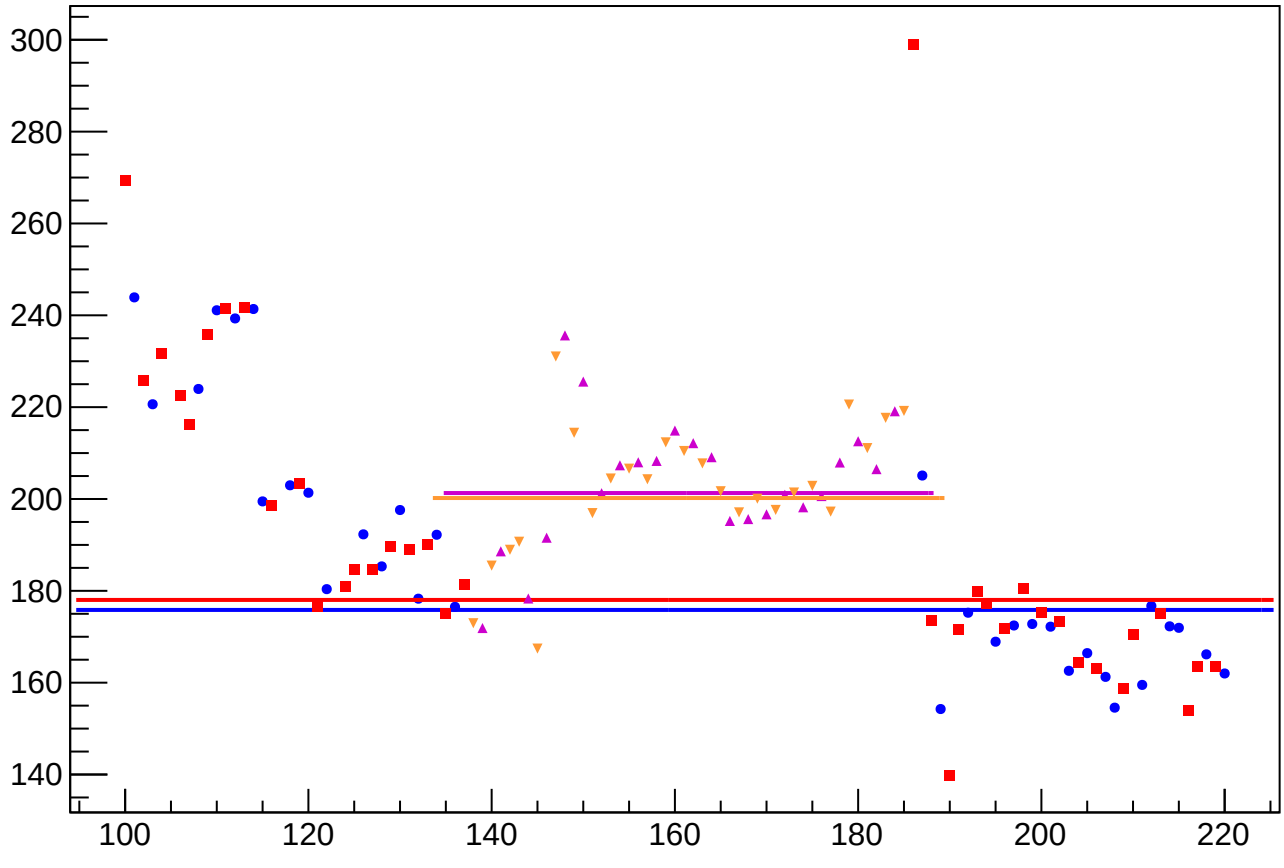
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 47.403+/-27.336 χ^2/NDF: 83.4/69

In: -77.487+/-29.857 χ^2/NDF:73.3/55

Out: -77.263+/-29.527 χ^2/NDF:122.1/61

All: -77.374+/-20.994 χ^2/NDF: 195.4/117



Right In: 175.841+/-0.027 χ^2/NDF: 526270.1/32

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 178.018+/-0.027 χ^2/NDF: 707560.0/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

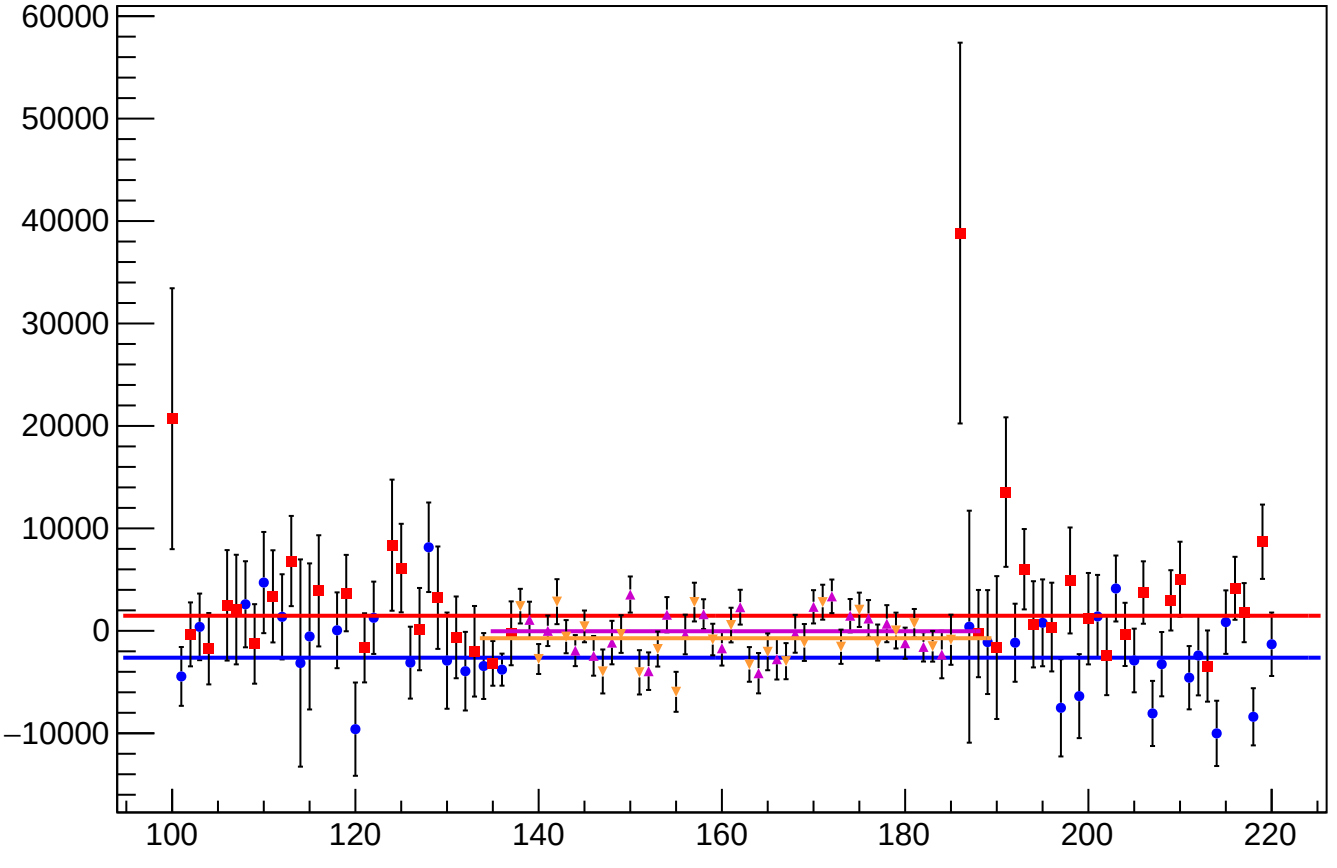
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 176.925+/-0.019 χ^2/NDF: 1237000.6/69

In: 186.051+/-0.021 χ^2/NDF:1057149.8/55

Out: 187.317+/-0.021 χ^2/NDF:1186986.1/61

All: 186.691+/-0.015 χ^2/NDF: 2245954.8/117



Right In: -2621.594+/-608.856 χ^2/NDF: 39.7/32

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1472.157+/-639.870 χ^2/NDF: 34.2/36

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

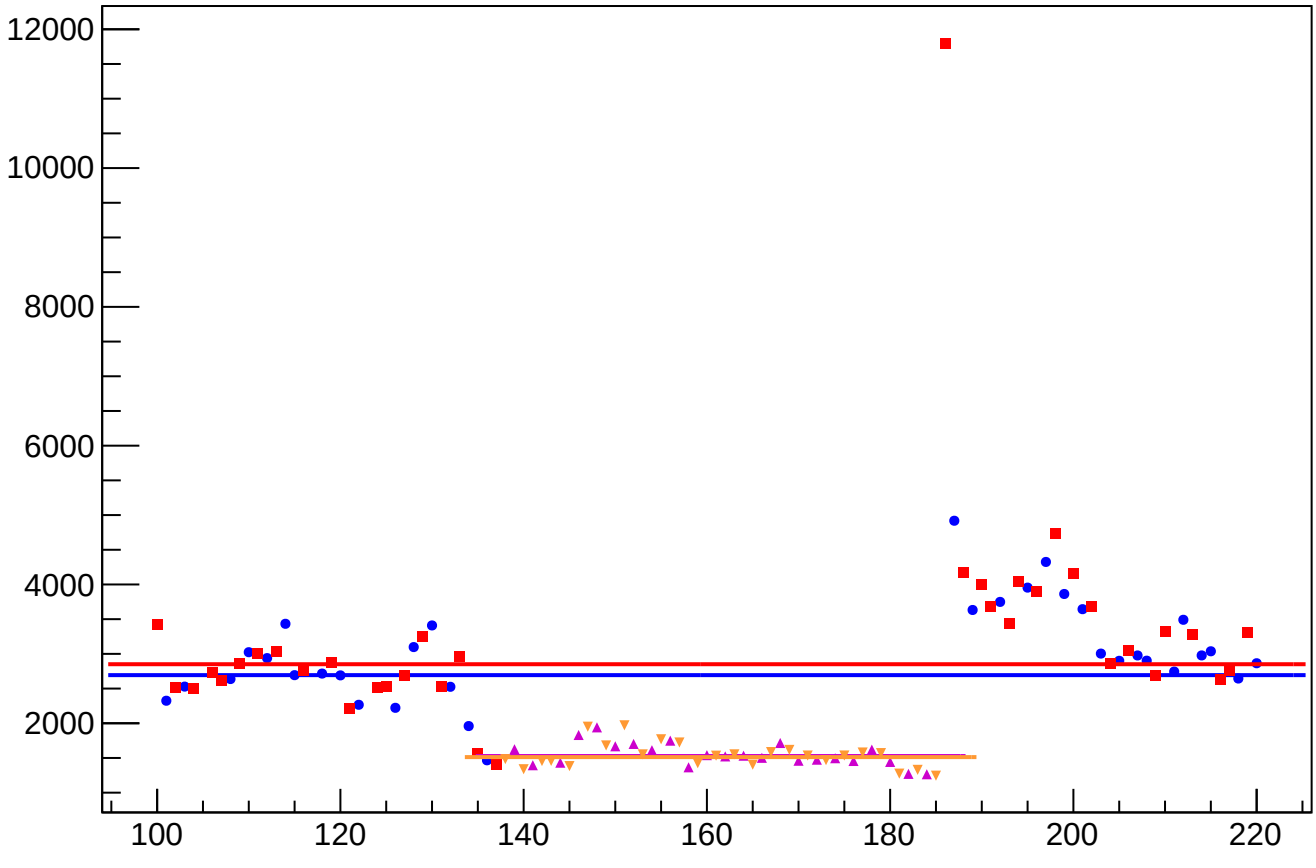
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -676.331+/-441.083 χ^2/NDF: 95.4/69

In: -706.179+/-309.415 χ^2/NDF:87.4/55

Out: -223.753+/-304.610 χ^2/NDF:81.6/61

All: -461.191+/-217.071 χ^2/NDF: 170.2/117



Right In: 2693.577+/-0.431 χ^2/NDF: 2702546.1/32

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

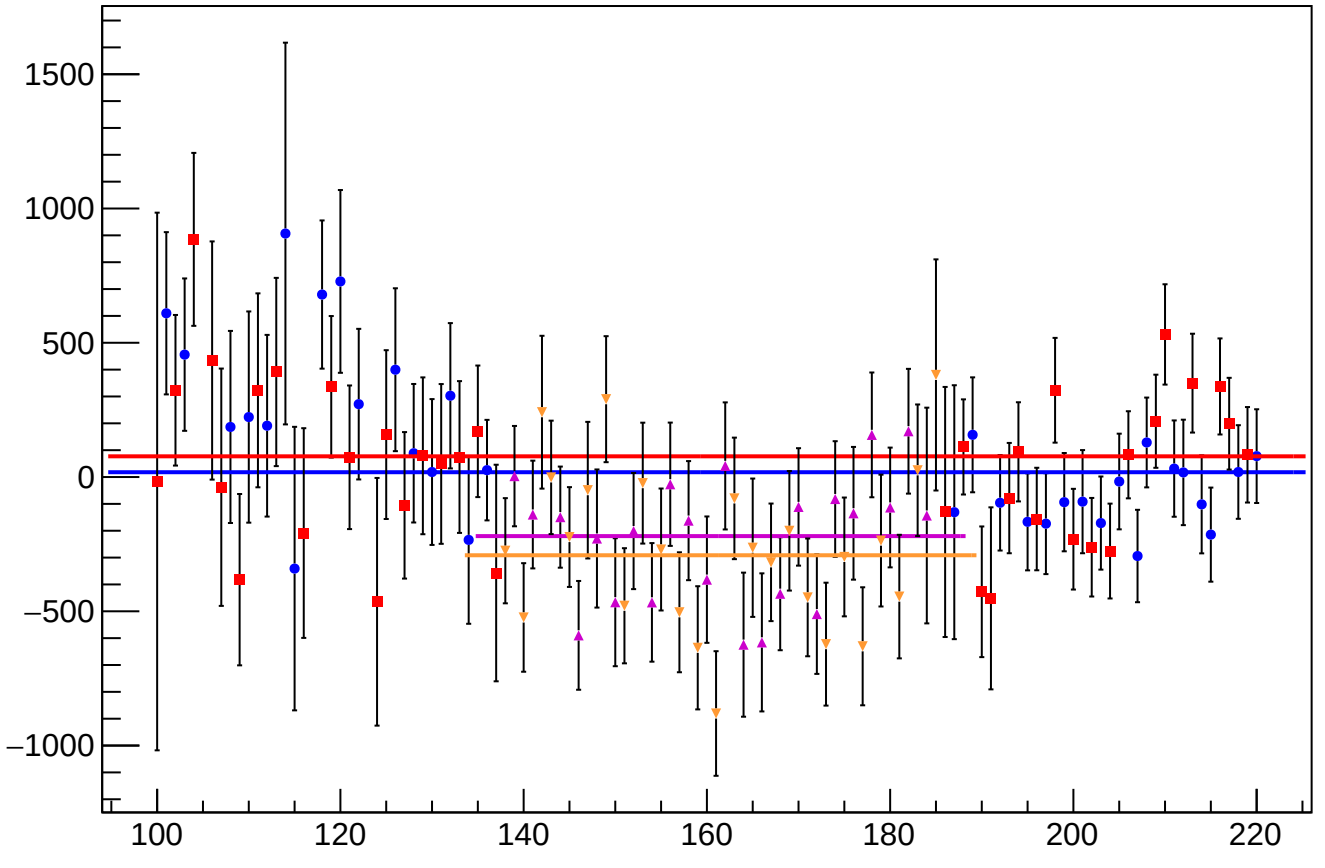
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2768.303+/-0.312 χ^2/NDF: 5784958.9/69

In: 1828.993+/-0.219 χ^2/NDF:8513428.5/55

Out: 1815.692+/-0.215 χ^2/NDF:10229484.4/61

All: 1822.238+/-0.153 χ^2/NDF: 18744789.8/1



Right In: 17.928+/-38.579 χ^2/NDF: 34.3/32

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 77.121+/-38.738 χ^2/NDF: 47.9/36

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

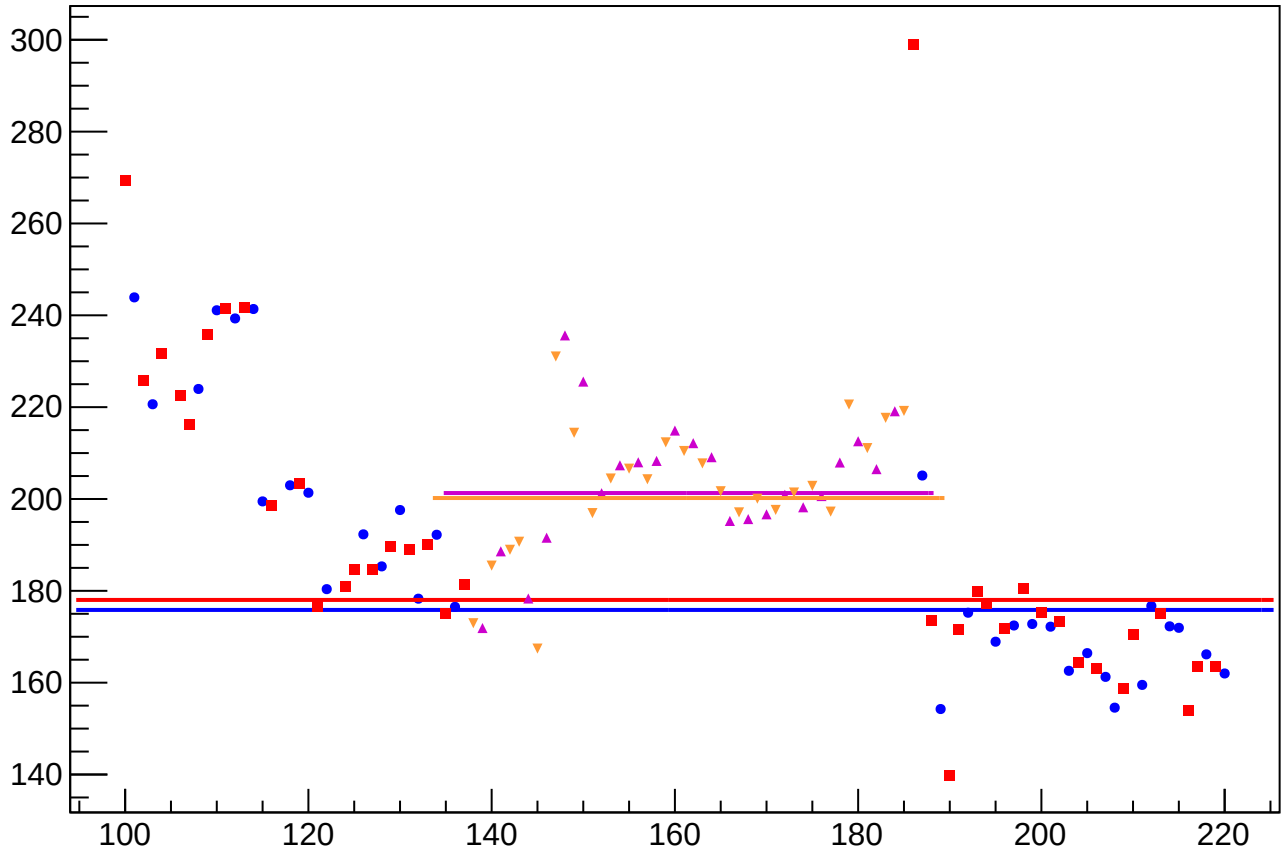
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 47.403+/-27.336 χ^2/NDF: 83.4/69

In: -77.487+/-29.857 χ^2/NDF:73.3/55

Out: -77.263+/-29.527 χ^2/NDF:122.1/61

All: -77.374+/-20.994 χ^2/NDF: 195.4/117



Right In: 175.841+/-0.027 χ^2/NDF: 526270.1/32

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 178.018+/-0.027 χ^2/NDF: 707560.0/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

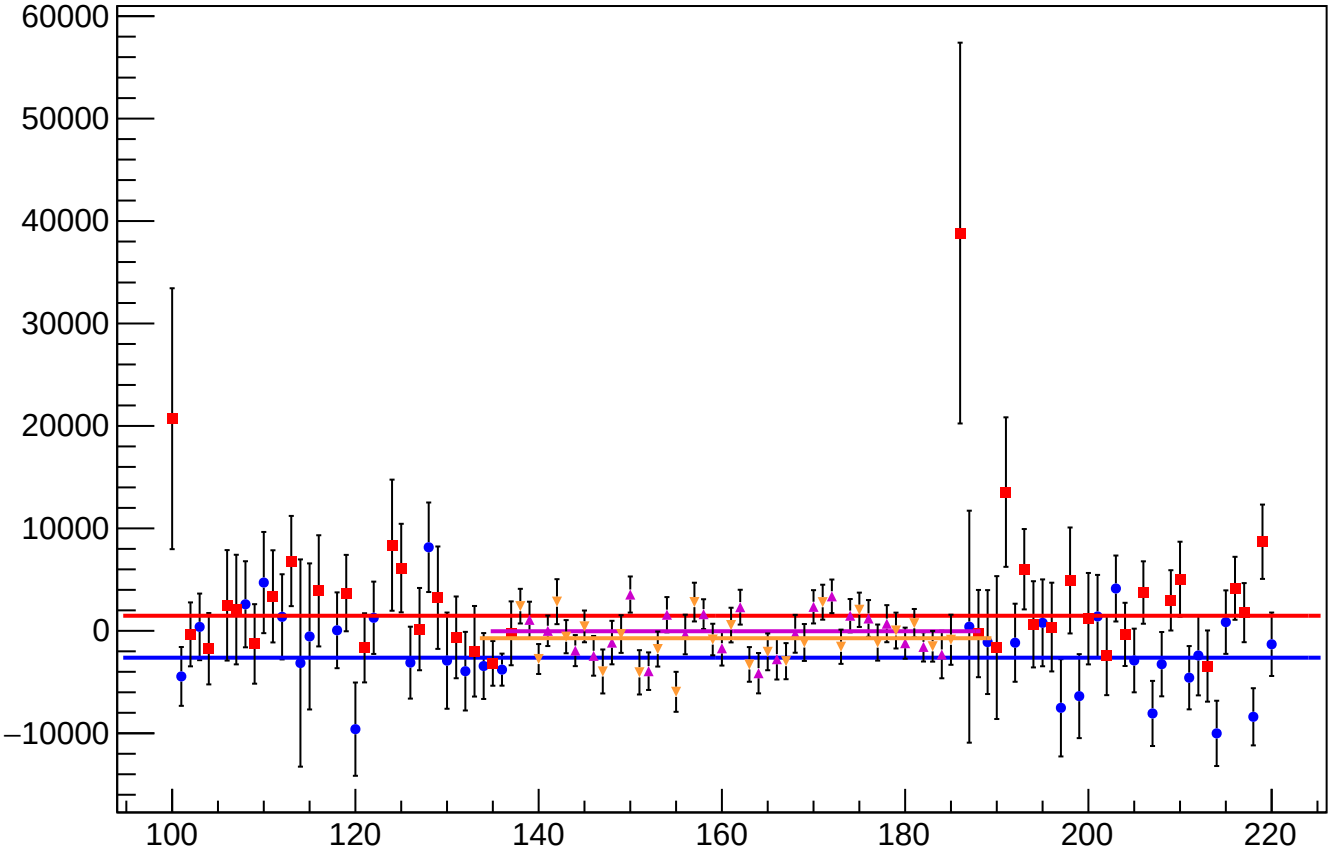
Right: 176.925+/-0.019 χ^2/NDF: 1237000.6/69

In: 186.051+/-0.021 χ^2/NDF:1057149.8/55

Out: 187.317+/-0.021 χ^2/NDF:1186986.1/61

All: 186.691+/-0.015 χ^2/NDF: 2245954.8/117

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2621.594+/-608.856 χ^2/NDF: 39.7/32

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1472.157+/-639.870 χ^2/NDF: 34.2/36

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

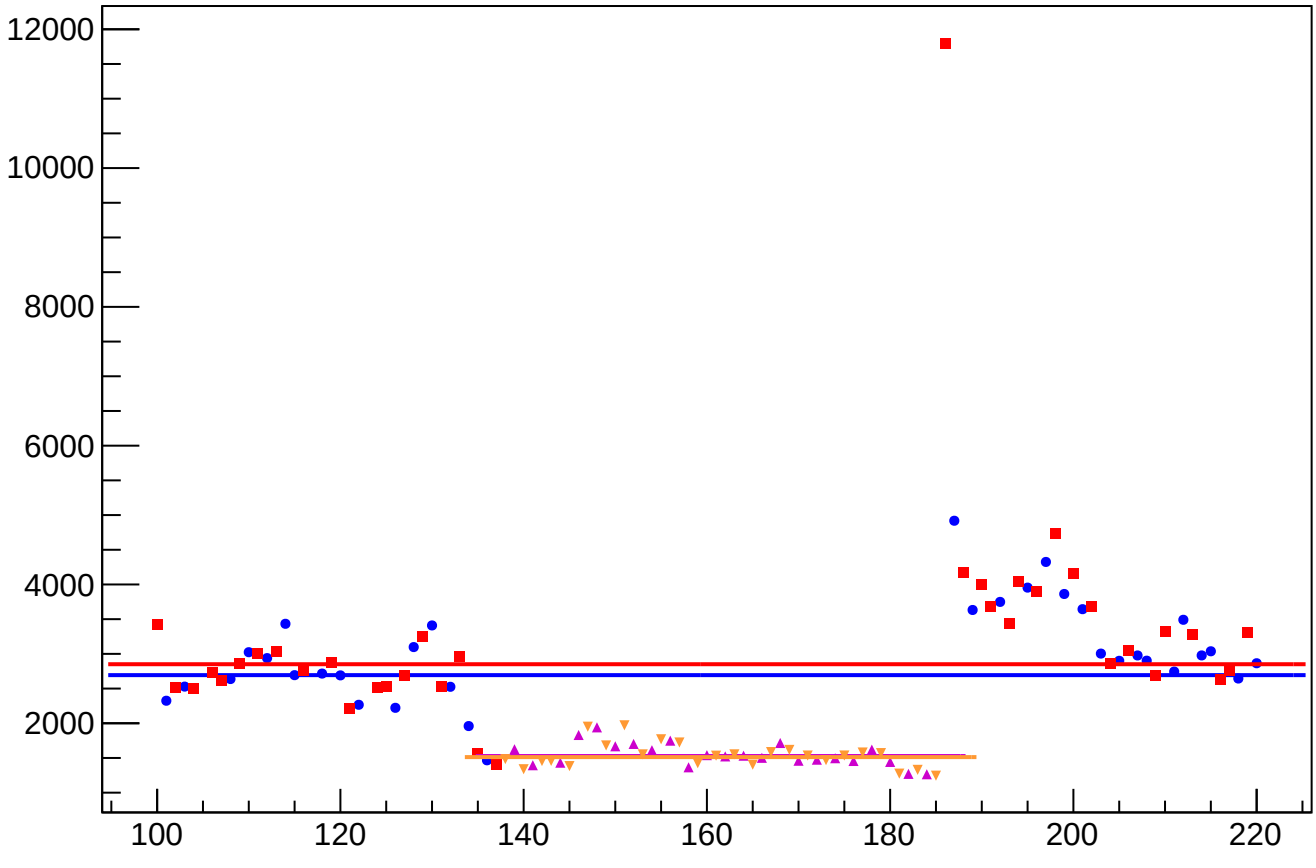
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -676.331+/-441.083 χ^2/NDF: 95.4/69

In: -706.179+/-309.415 χ^2/NDF:87.4/55

Out: -223.753+/-304.610 χ^2/NDF:81.6/61

All: -461.191+/-217.071 χ^2/NDF: 170.2/117



Right In: 2693.577+/-0.431 χ^2/NDF: 2702546.1/32

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

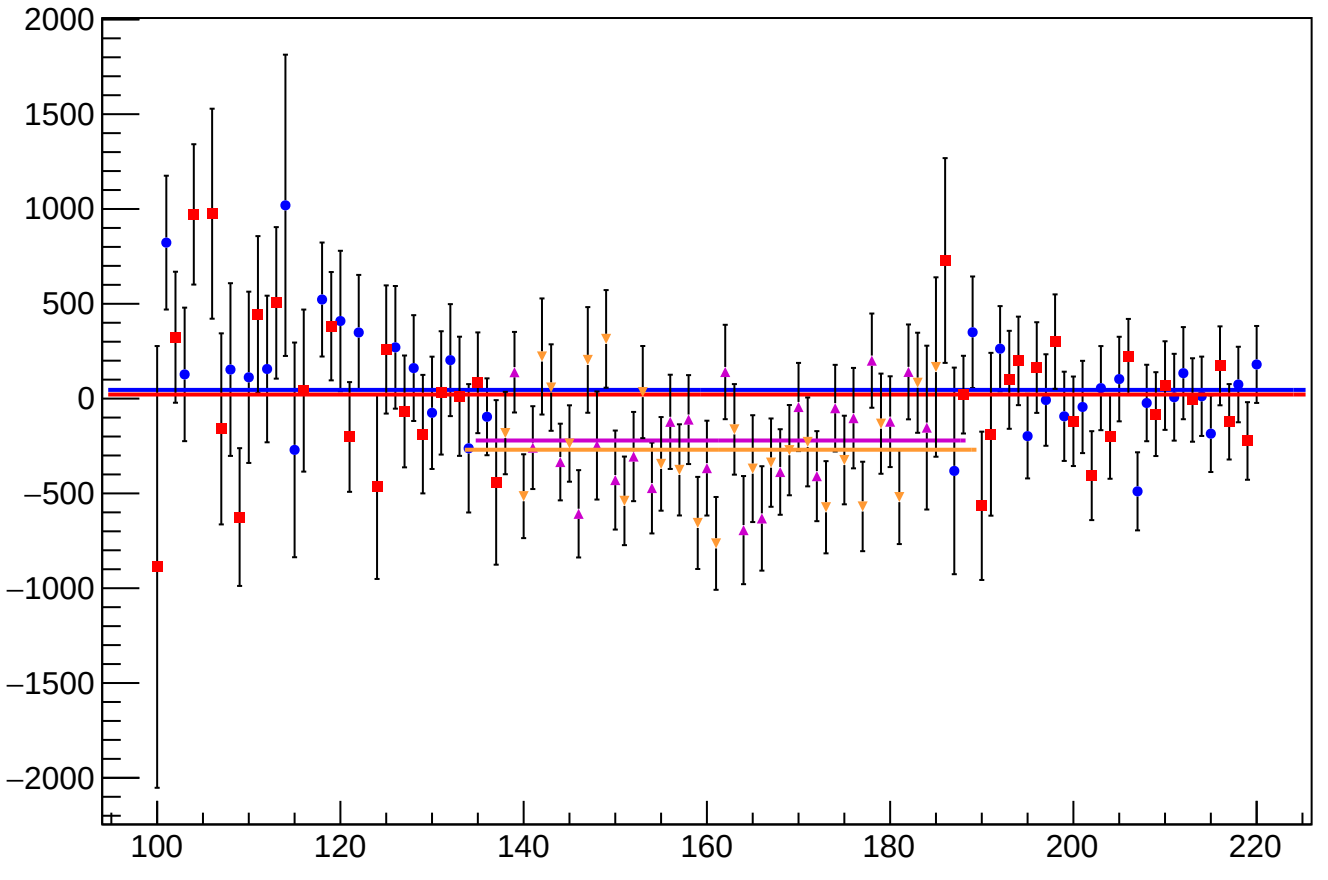
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2768.303+/-0.312 χ^2/NDF: 5784958.9/69

In: 1828.993+/-0.219 χ^2/NDF:8513428.5/55

Out: 1815.692+/-0.215 χ^2/NDF:10229484.4/61

All: 1822.238+/-0.153 χ^2/NDF: 18744789.8/1



Right In: 45.911+/-45.971 χ^2/NDF: 27.0/32

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 21.498+/-46.334 χ^2/NDF: 37.1/36

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

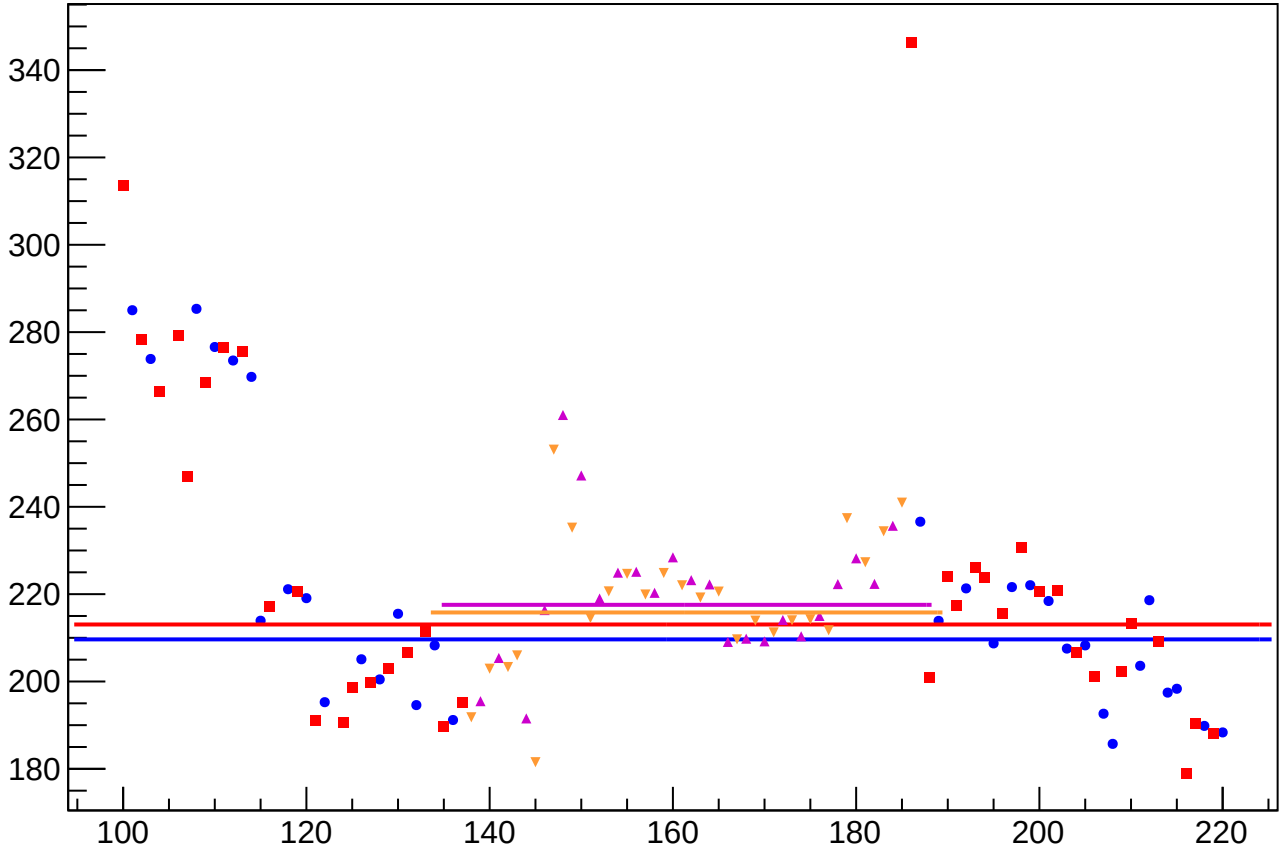
Right: 33.800+/-32.634 χ^2/NDF: 64.2/69

In: -73.821+/-34.133 χ^2/NDF:65.5/55

Out: -115.487+/-33.717 χ^2/NDF:87.1/61

All: -94.909+/-23.987 χ^2/NDF: 153.4/117

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 209.641+/-0.033 χ^2/NDF: 481889.8/32

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 213.055+/-0.033 χ^2/NDF: 631983.6/36

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

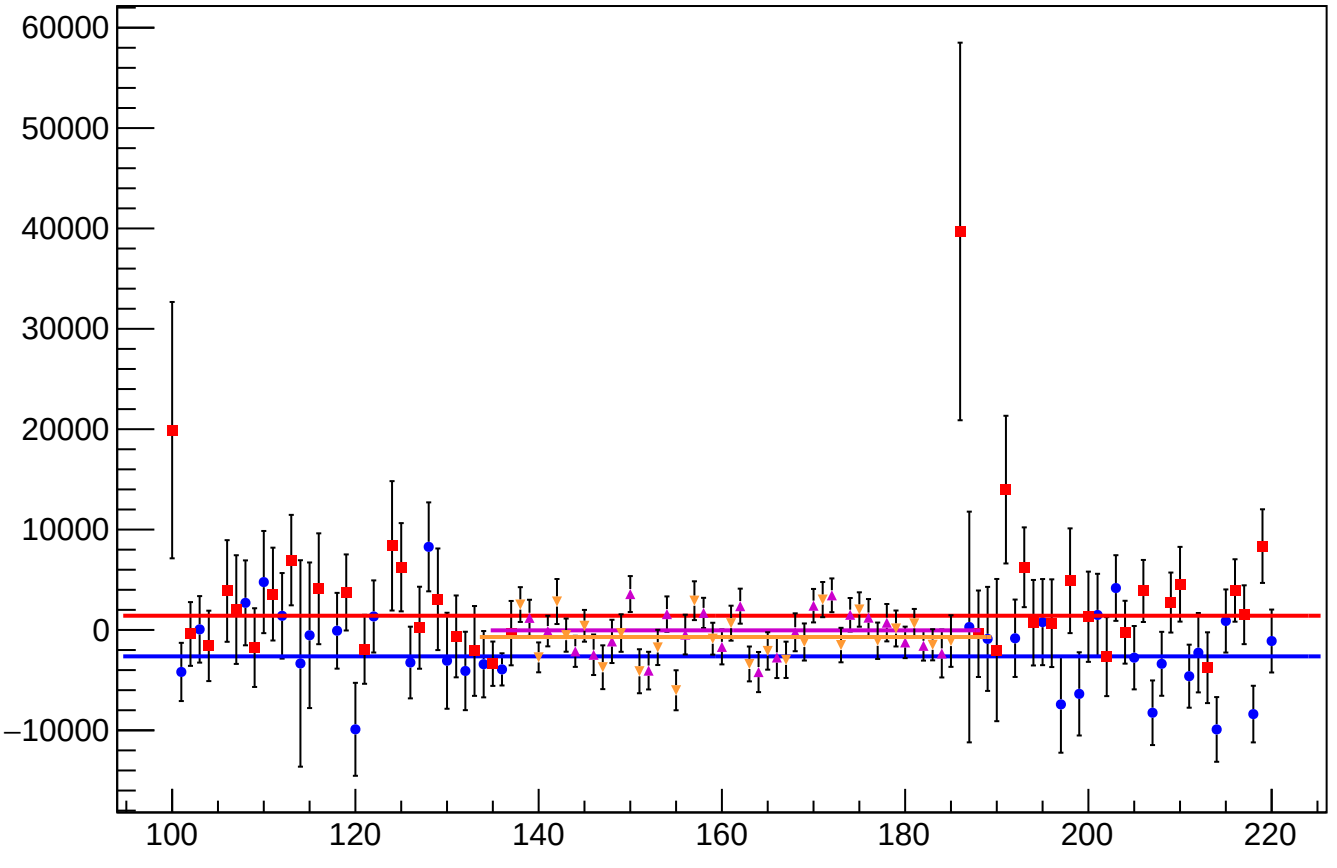
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 211.335+/-0.023 χ^2/NDF: 1119343.0/69

In: 213.192+/-0.024 χ^2/NDF:669548.2/55

Out: 214.349+/-0.024 χ^2/NDF:824001.9/61

All: 213.778+/-0.017 χ^2/NDF: 1494713.4/117



Right In: -2632.151+/-619.251 χ^2/NDF: 39.2/32

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1416.346+/-648.612 χ^2/NDF: 34.5/36

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

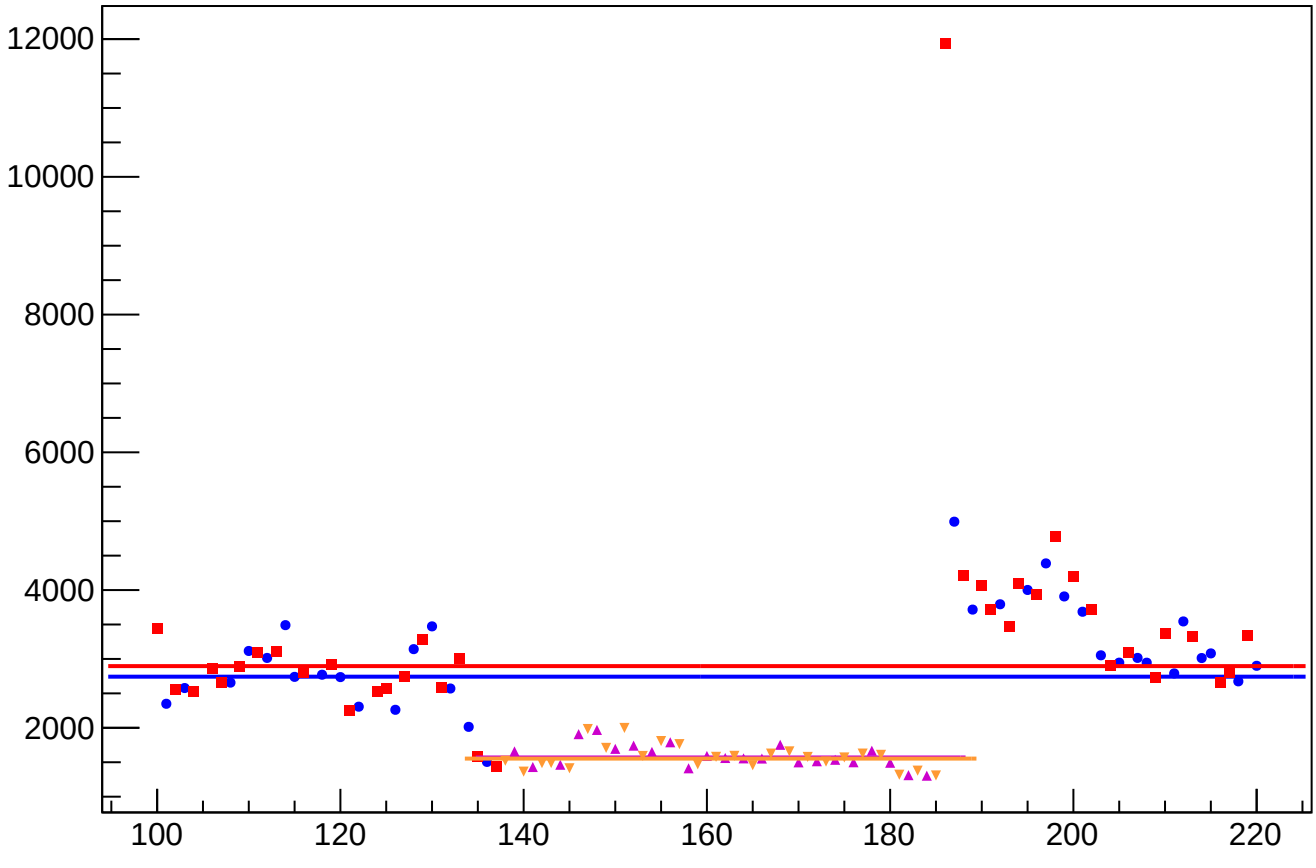
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -701.608+/-447.897 χ^2/NDF: 94.0/69

In: -718.634+/-316.909 χ^2/NDF:86.4/55

Out: -214.269+/-311.720 χ^2/NDF:80.3/61

All: -462.288+/-222.231 χ^2/NDF: 168.0/117



Right In: 2742.443+/-0.438 χ^2/NDF: 2633200.2/32

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2895.823+/-0.459 χ^2/NDF: 2976730.2/36

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

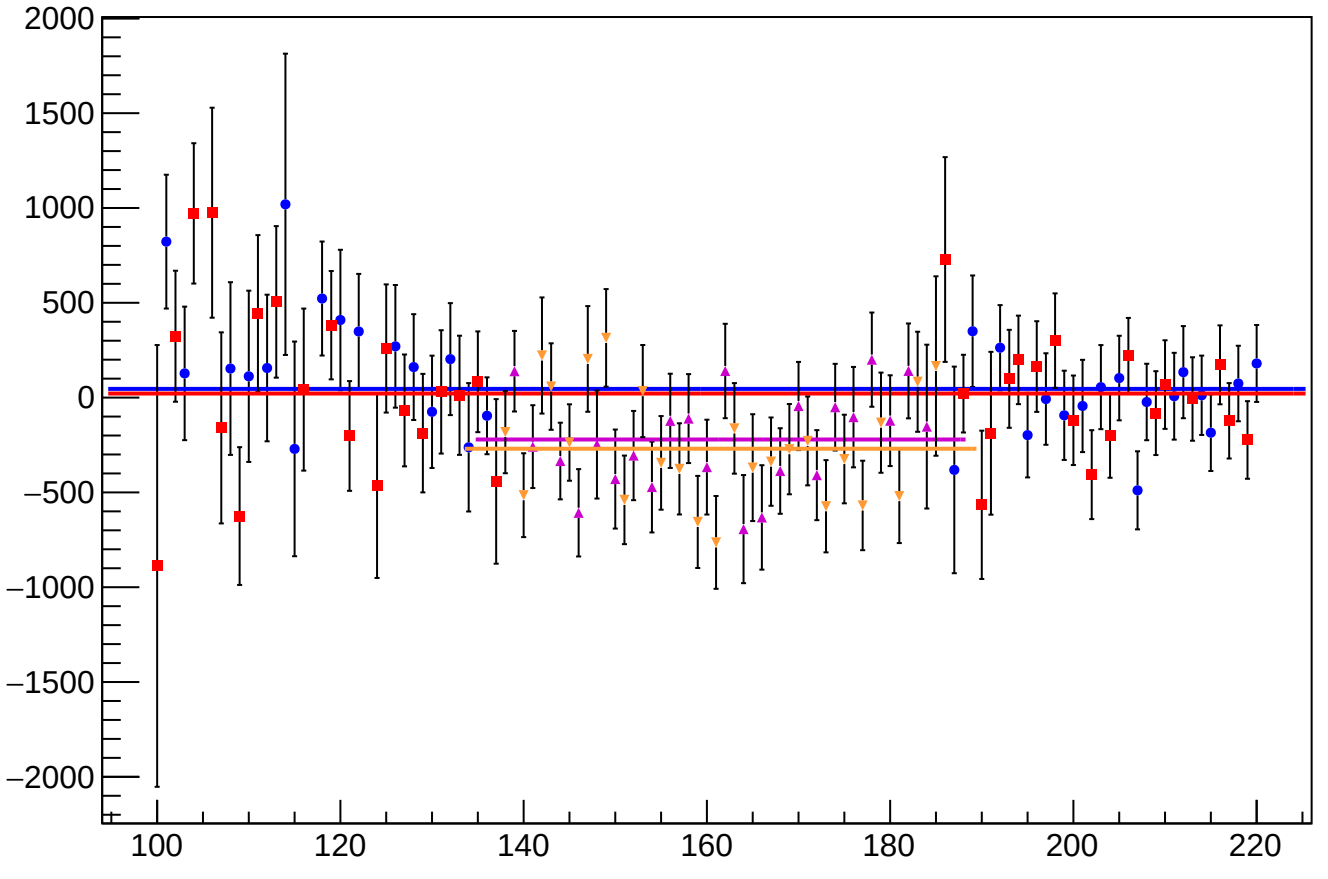
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2815.583+/-0.317 χ^2/NDF: 5668439.0/69

In: 1876.608+/-0.224 χ^2/NDF:8287951.2/55

Out: 1863.169+/-0.220 χ^2/NDF:9978820.5/61

All: 1869.778+/-0.157 χ^2/NDF: 18268599.9/1



Right In: 45.916+/-45.971 χ^2/NDF: 27.0/32

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 21.496+/-46.334 χ^2/NDF: 37.1/36

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

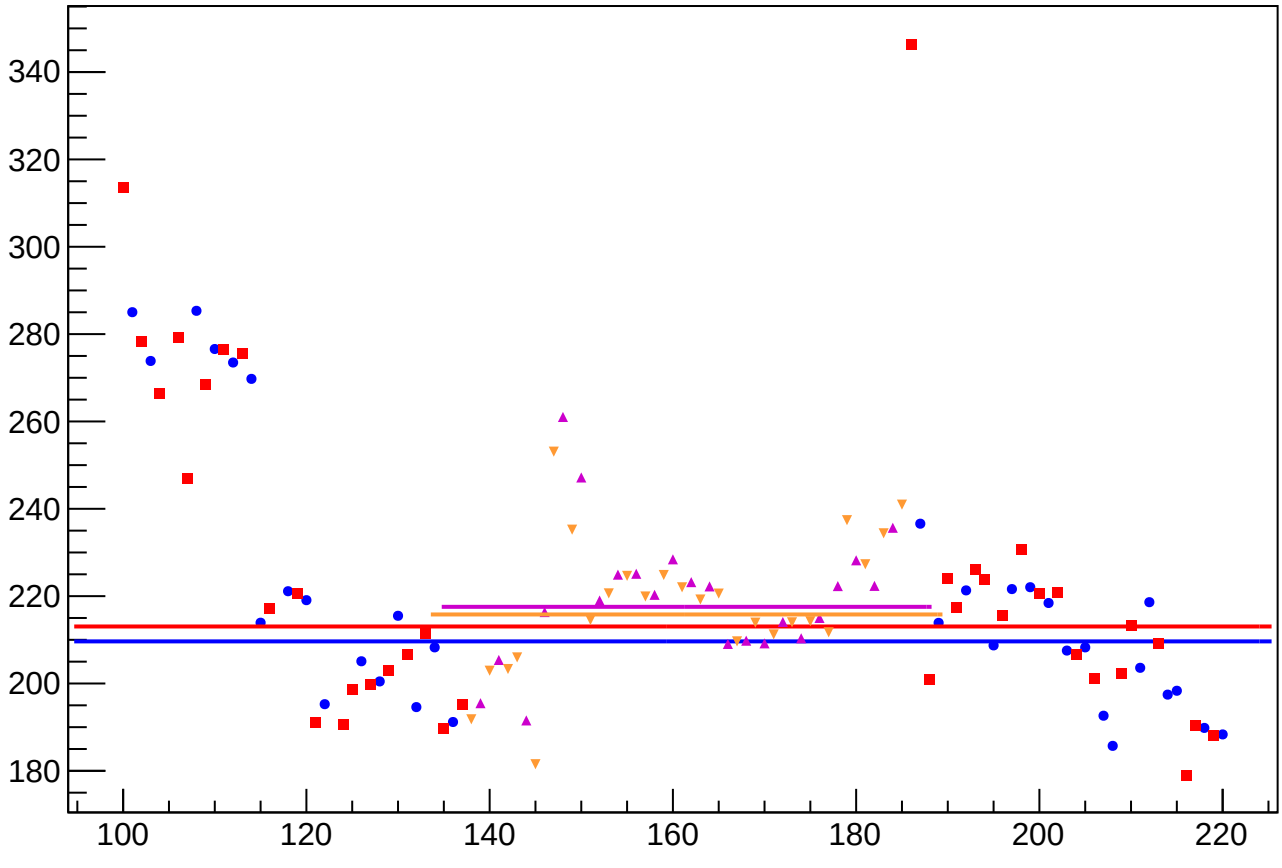
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 33.802+/-32.634 χ^2/NDF: 64.2/69

In: -73.819+/-34.133 χ^2/NDF:65.5/55

Out: -115.489+/-33.717 χ^2/NDF:87.1/61

All: -94.909+/-23.987 χ^2/NDF: 153.4/117



Right In: 209.641+/-0.033 χ^2/NDF: 481880.2/32

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 213.054+/-0.033 χ^2/NDF: 631962.2/36

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

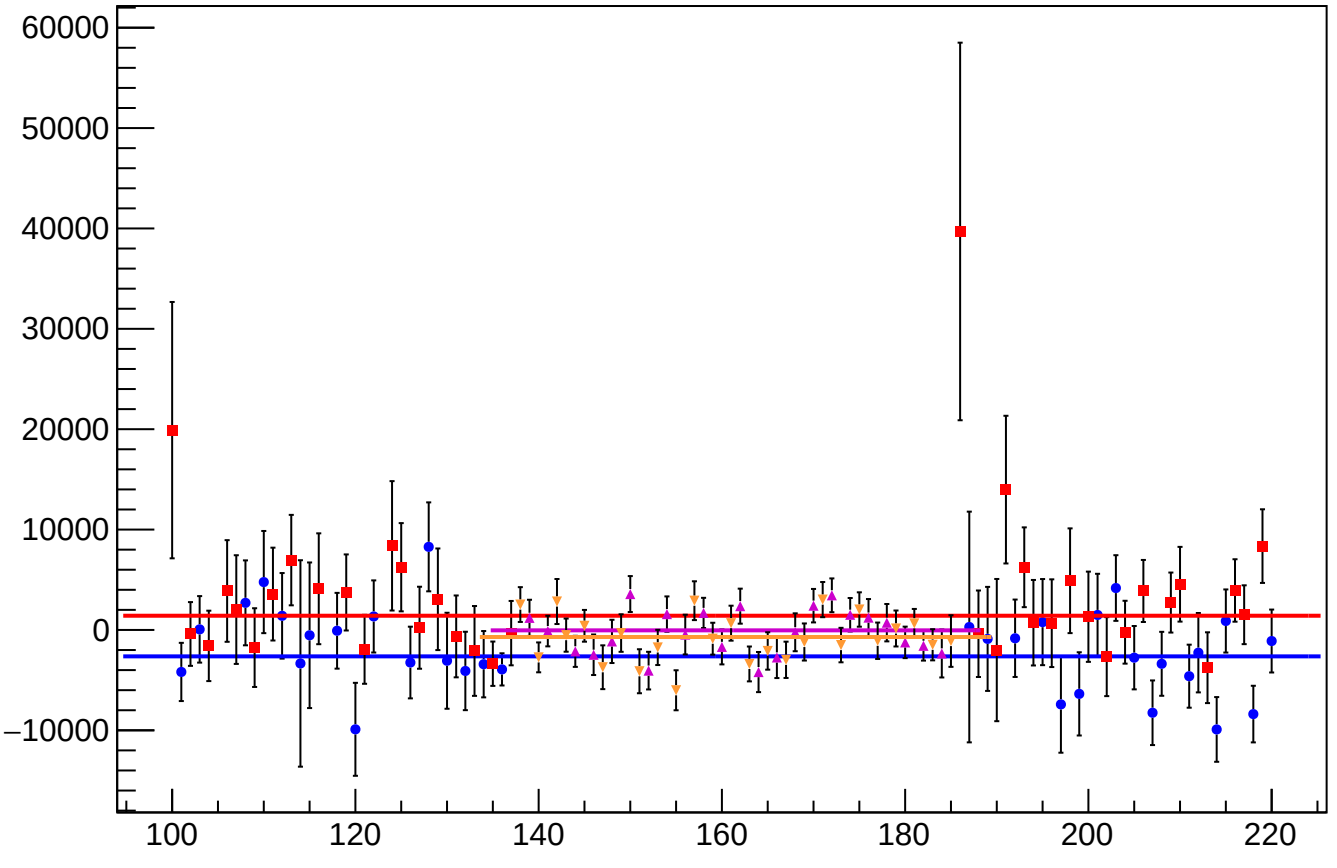
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 211.334+/-0.023 χ^2/NDF: 1119312.6/69

In: 213.192+/-0.024 χ^2/NDF:669542.5/55

Out: 214.349+/-0.024 χ^2/NDF:823985.1/61

All: 213.778+/-0.017 χ^2/NDF: 1494691.2/117



Right In: -2632.148+/-619.250 χ^2/NDF: 39.2/32

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1416.343+/-648.611 χ^2/NDF: 34.5/36

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

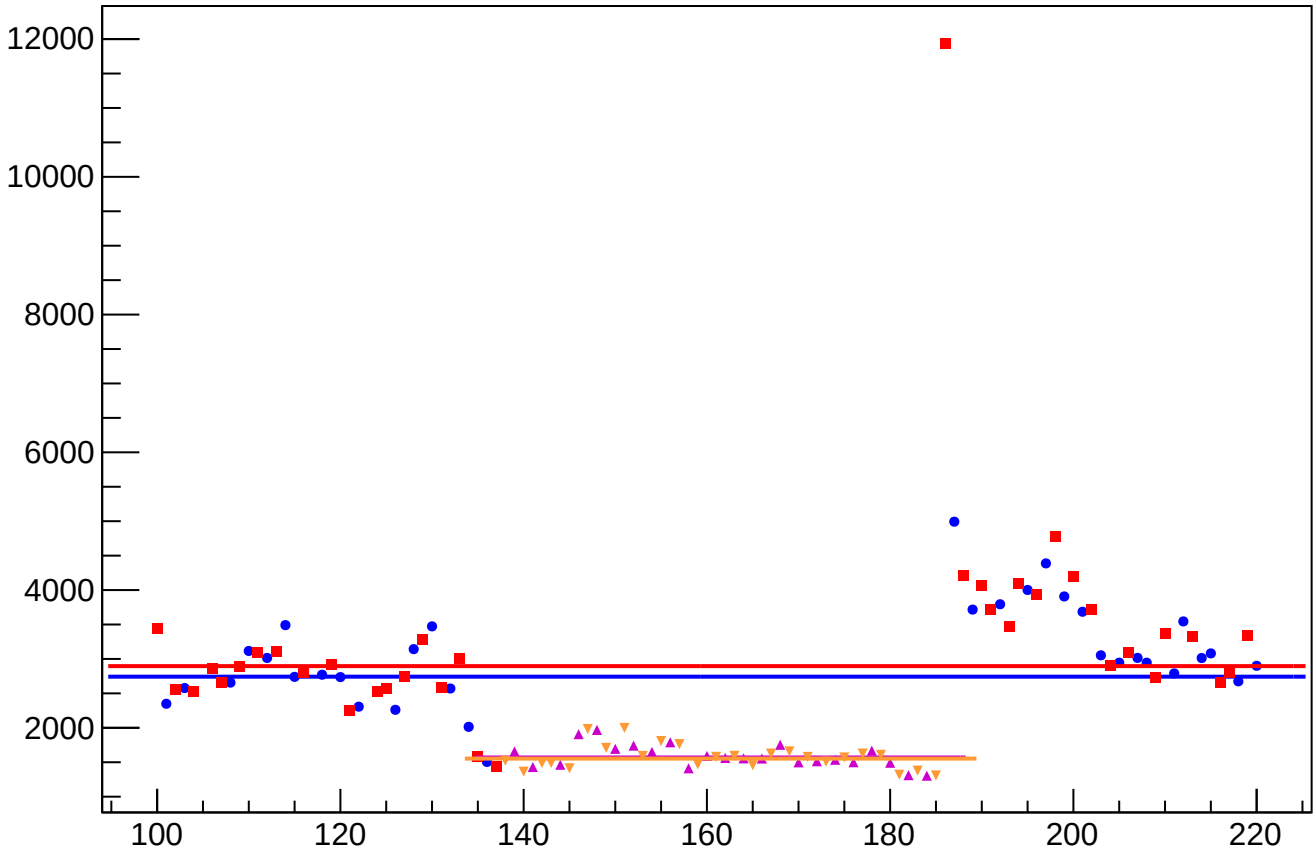
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -701.607+/-447.896 χ^2/NDF: 94.0/69

In: -718.633+/-316.909 χ^2/NDF:86.4/55

Out: -214.269+/-311.720 χ^2/NDF:80.3/61

All: -462.288+/-222.231 χ^2/NDF: 168.0/117



Right In: 2742.440+/-0.438 χ^2/NDF: 2633199.2/32

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2895.820+/-0.459 χ^2/NDF: 2976732.5/36

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

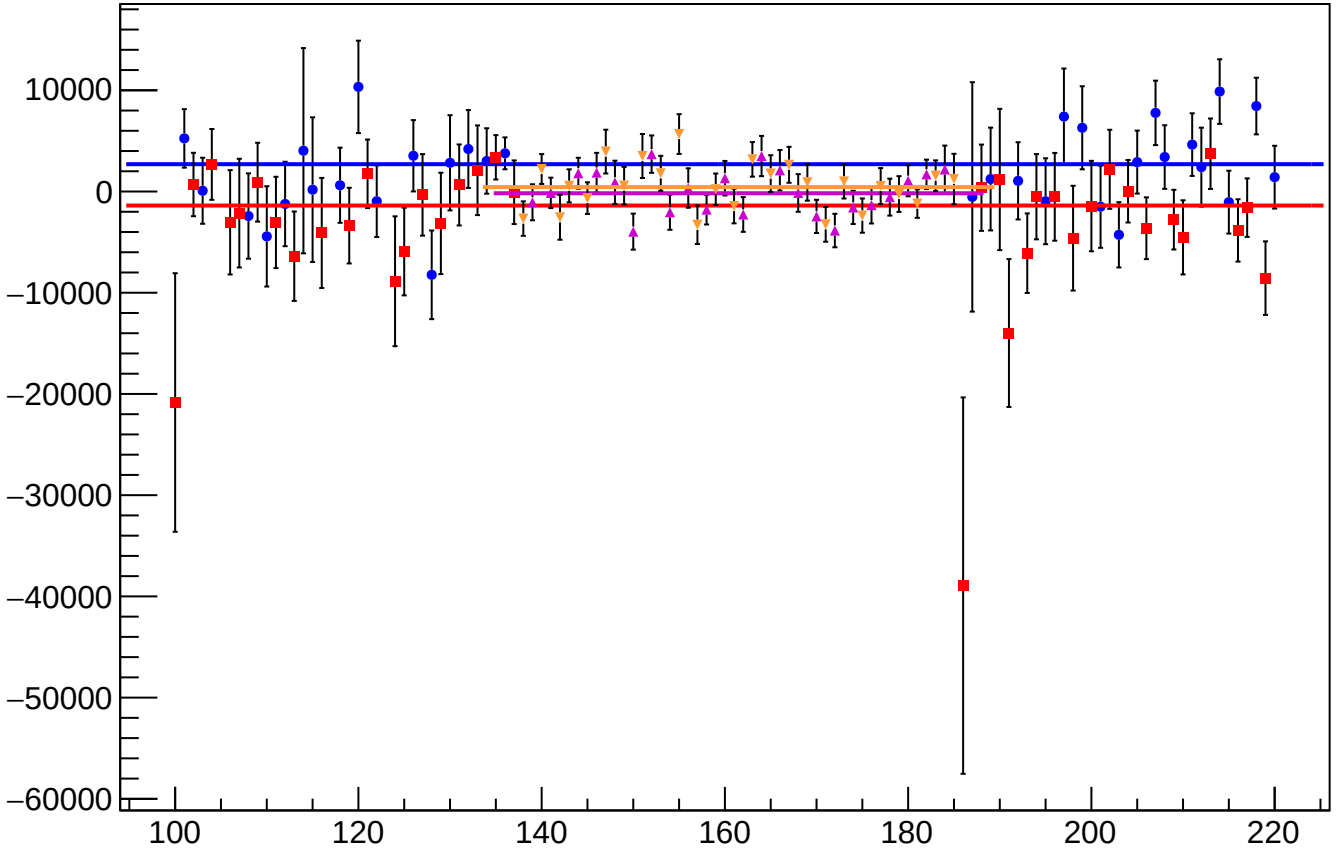
Right: 2815.580+/-0.317 χ^2/NDF: 5668440.4/69

In: 1876.608+/-0.224 χ^2/NDF:8287939.4/55

Out: 1863.169+/-0.220 χ^2/NDF:9978807.1/61

All: 1869.778+/-0.157 χ^2/NDF: 18268574.5/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2698.789+/-610.797 χ^2/NDF: 39.6/32

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -1384.795+/-641.169 χ^2/NDF: 34.3/36

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

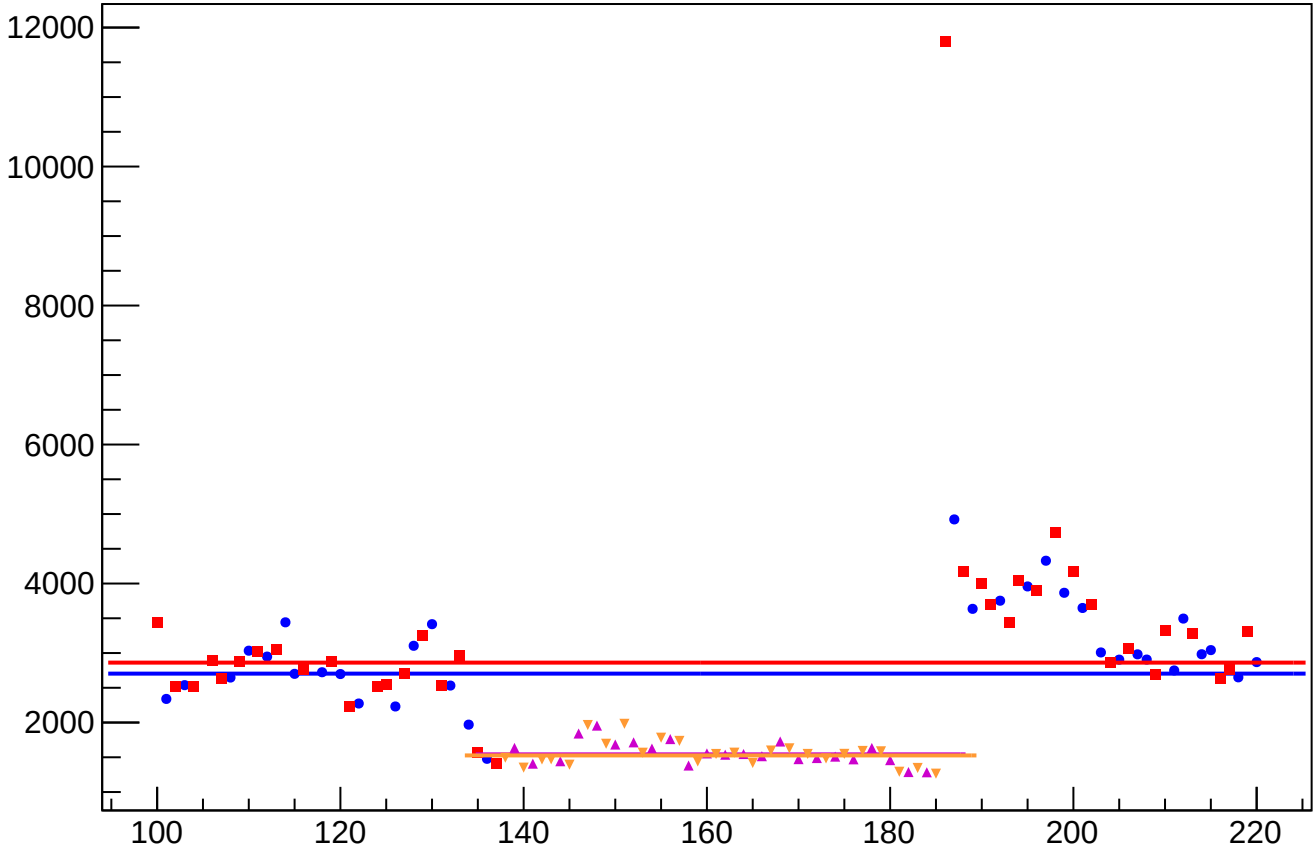
Right: 756.005+/-442.246 χ^2/NDF: 95.2/69

In: 577.540+/-311.765 χ^2/NDF:88.9/55

Out: 19.938+/-306.925 χ^2/NDF:79.4/61

All: 294.377+/-218.720 χ^2/NDF: 169.9/117

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2703.697+/-0.432 χ^2/NDF: 2660372.4/32

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2862.087+/-0.453 χ^2/NDF: 2984715.5/36

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

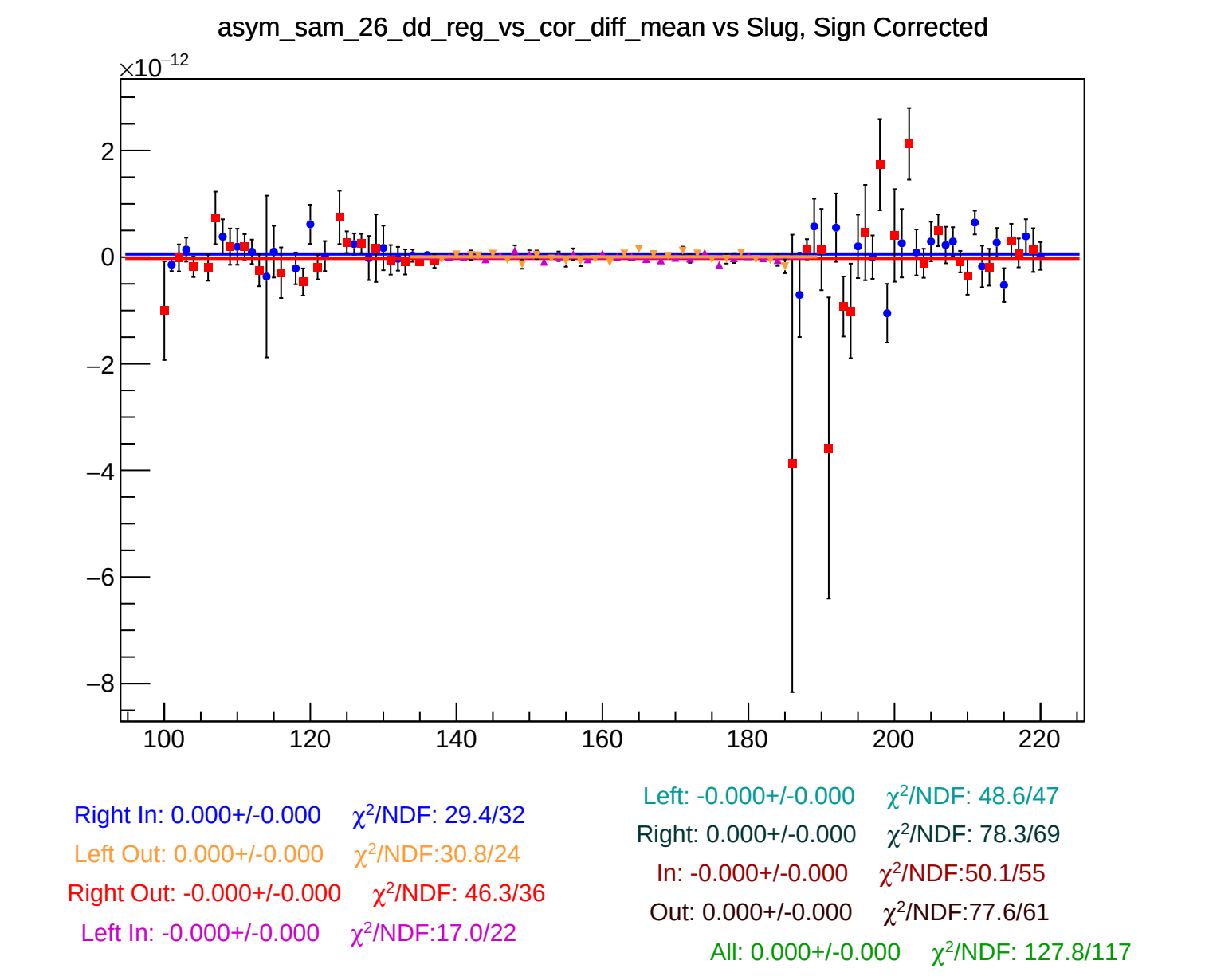
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

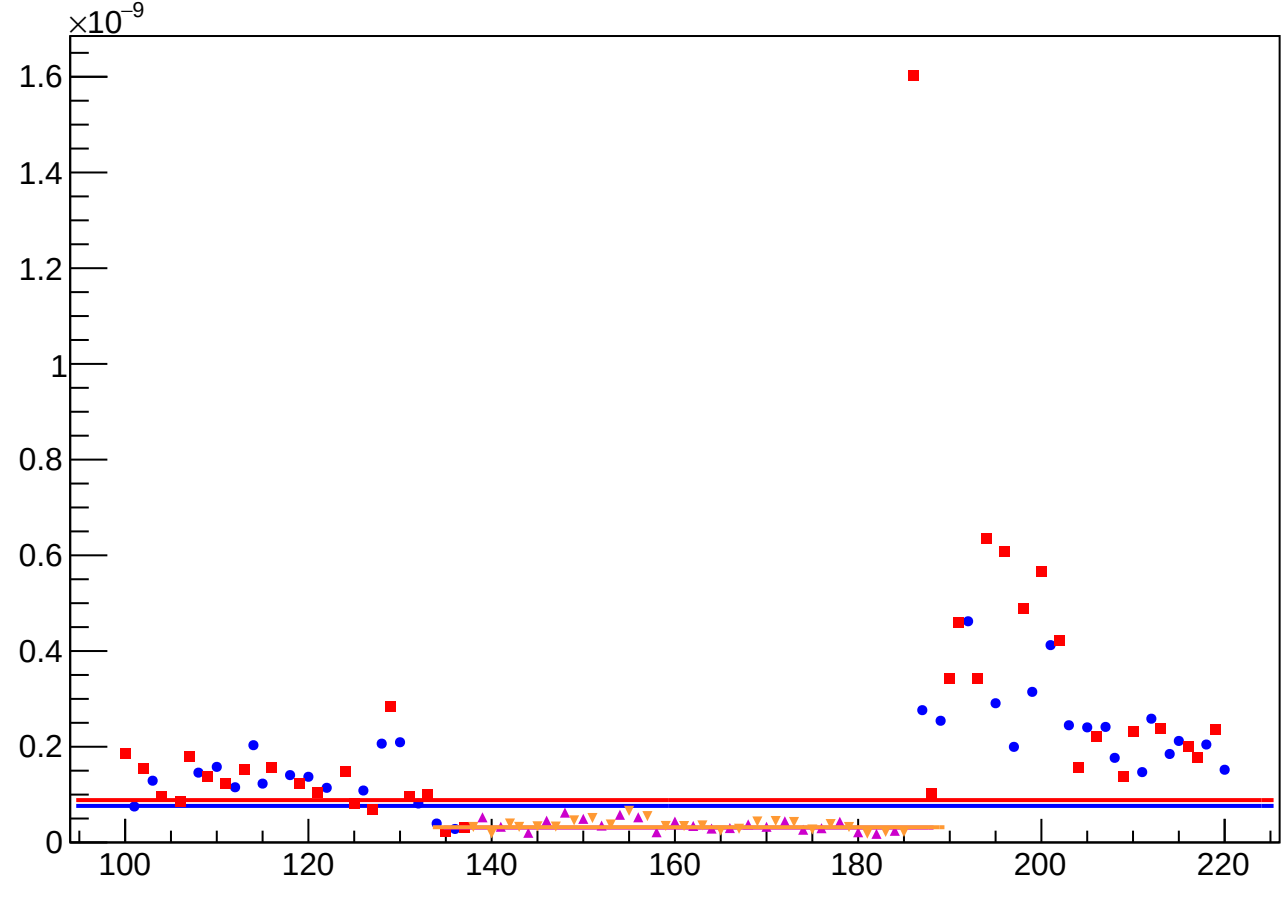
Right: 2779.052+/-0.313 χ^2/NDF: 5709072.0/69

In: 1844.854+/-0.220 χ^2/NDF:8370098.0/55

Out: 1832.724+/-0.217 χ^2/NDF:10101498.6/61

All: 1838.694+/-0.155 χ^2/NDF: 18473133.9/1


asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 29.4/32
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.3/36
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: 78.3/69
In: -0.000+/-0.000 χ²/NDF:50.1/55
Out: 0.000+/-0.000 χ²/NDF:77.6/61
All: 0.000+/-0.000 χ²/NDF: 127.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 9120606.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9125633.5/36

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

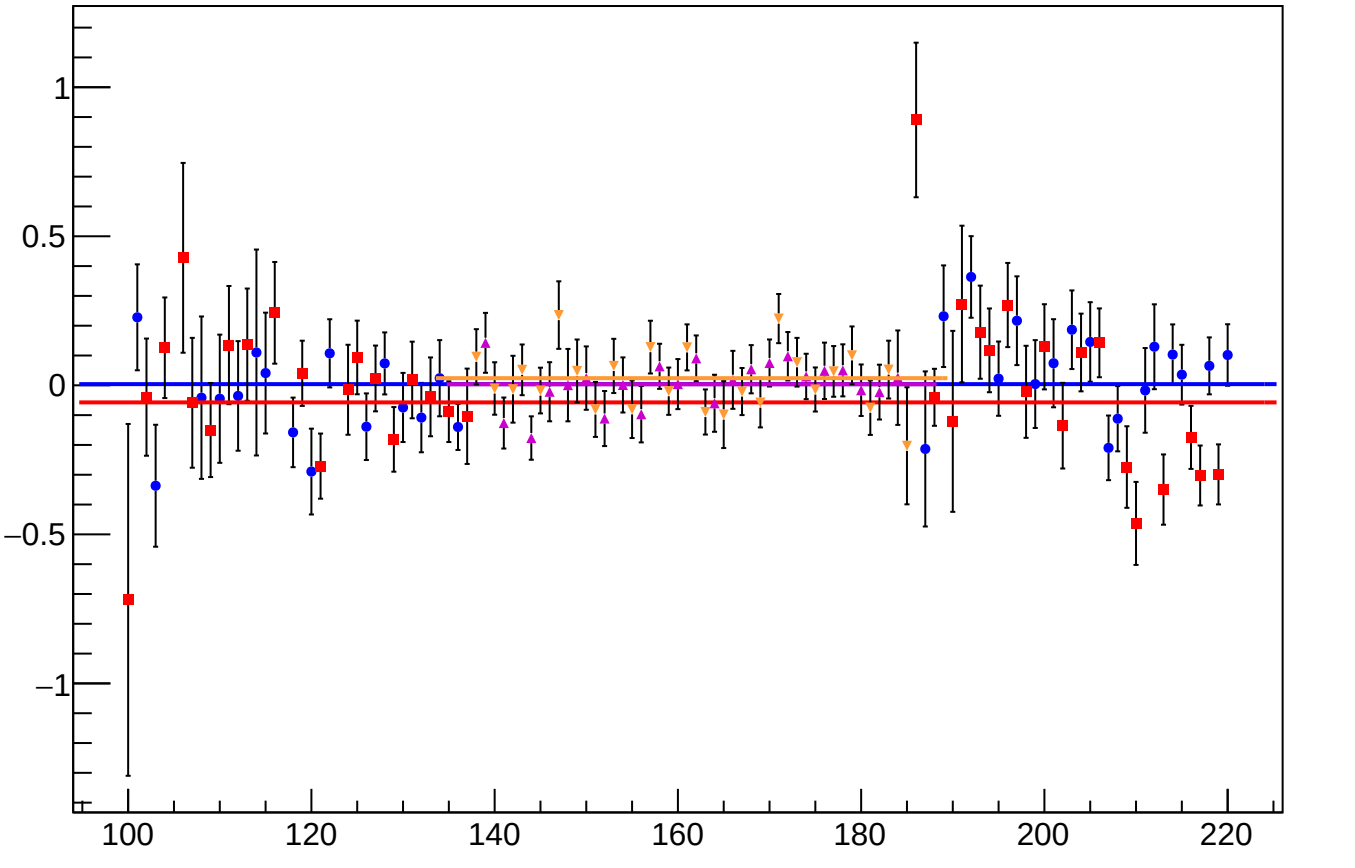
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18358554.9/69

In: 0.000+/-0.000 χ^2/NDF:13919071.2/55

Out: 0.000+/-0.000 χ^2/NDF:14260825.8/61

All: 0.000+/-0.000 χ^2/NDF: 28180493.5/117



Right In: 0.004+/-0.022 χ^2/NDF: 41.4/32

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

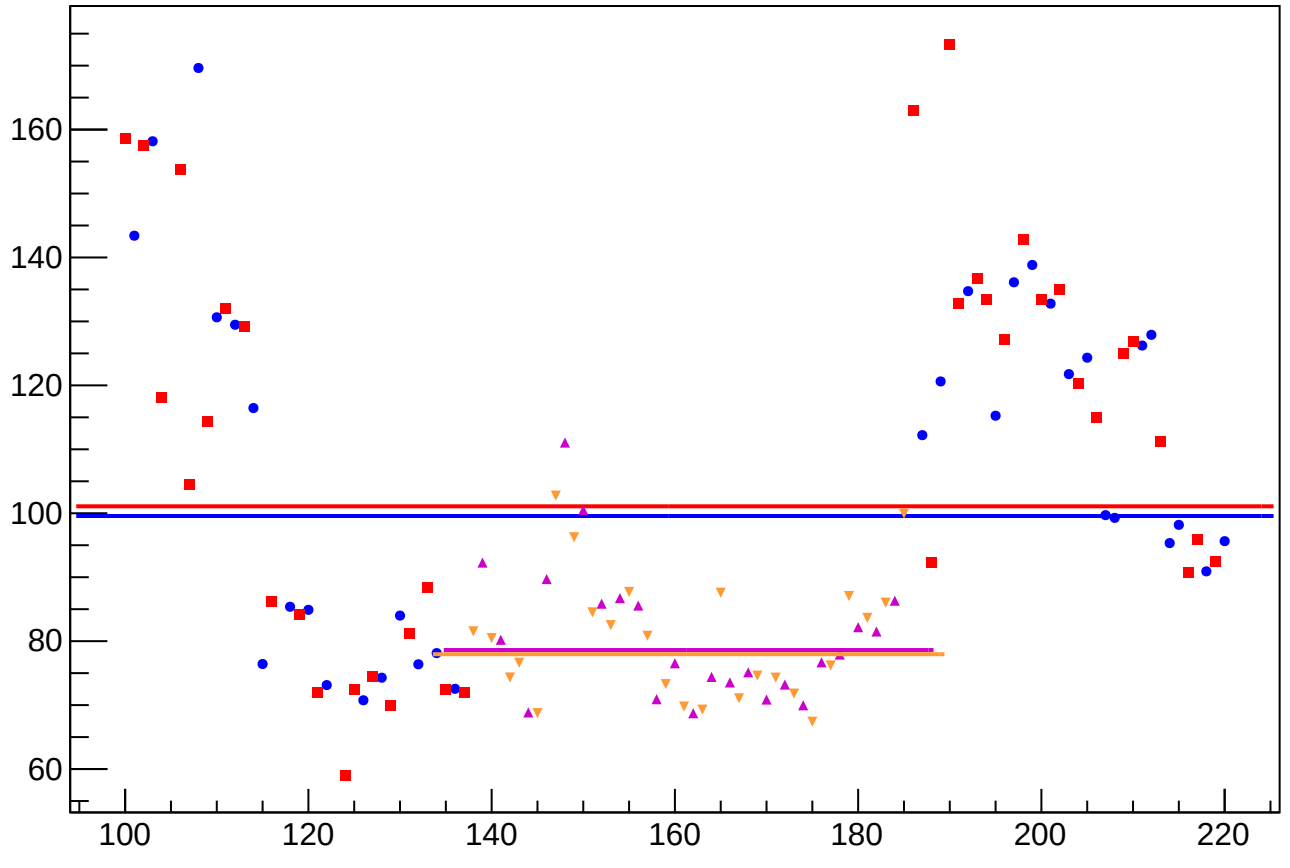
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.026+/-0.016 χ^2/NDF: 124.8/69

In: 0.004+/-0.014 χ^2/NDF:60.2/55

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.002+/-0.010 χ^2/NDF: 173.8/117



Right In: 99.570+/-0.016 χ^2/NDF: 2230486.1/32

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

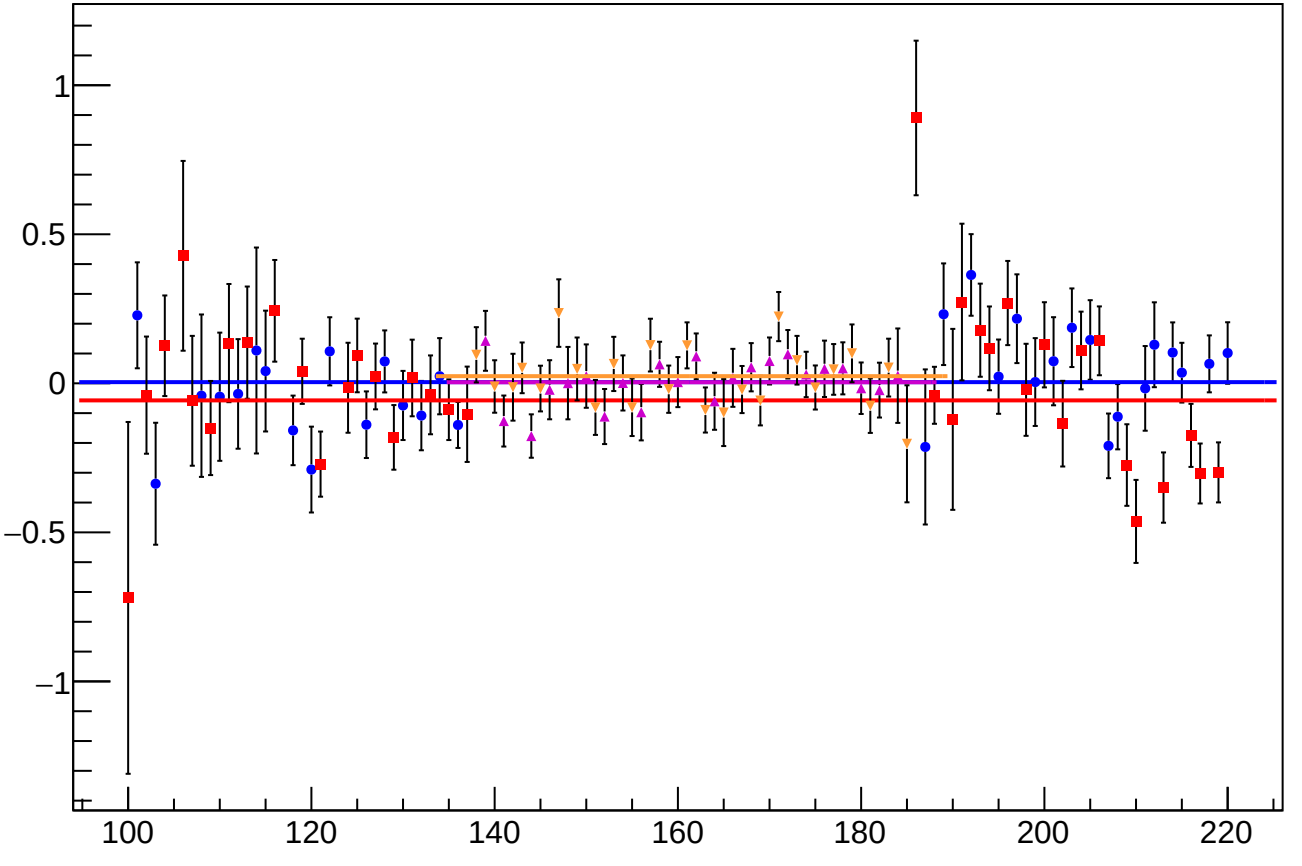
Right: 100.322+/-0.011 χ^2/NDF: 4808557.2/69

In: 87.133+/-0.010 χ^2/NDF:3764039.5/55

Out: 86.822+/-0.010 χ^2/NDF:4299448.2/61

All: 86.974+/-0.007 χ^2/NDF: 8063968.9/117

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.022 χ^2/NDF: 41.4/32

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

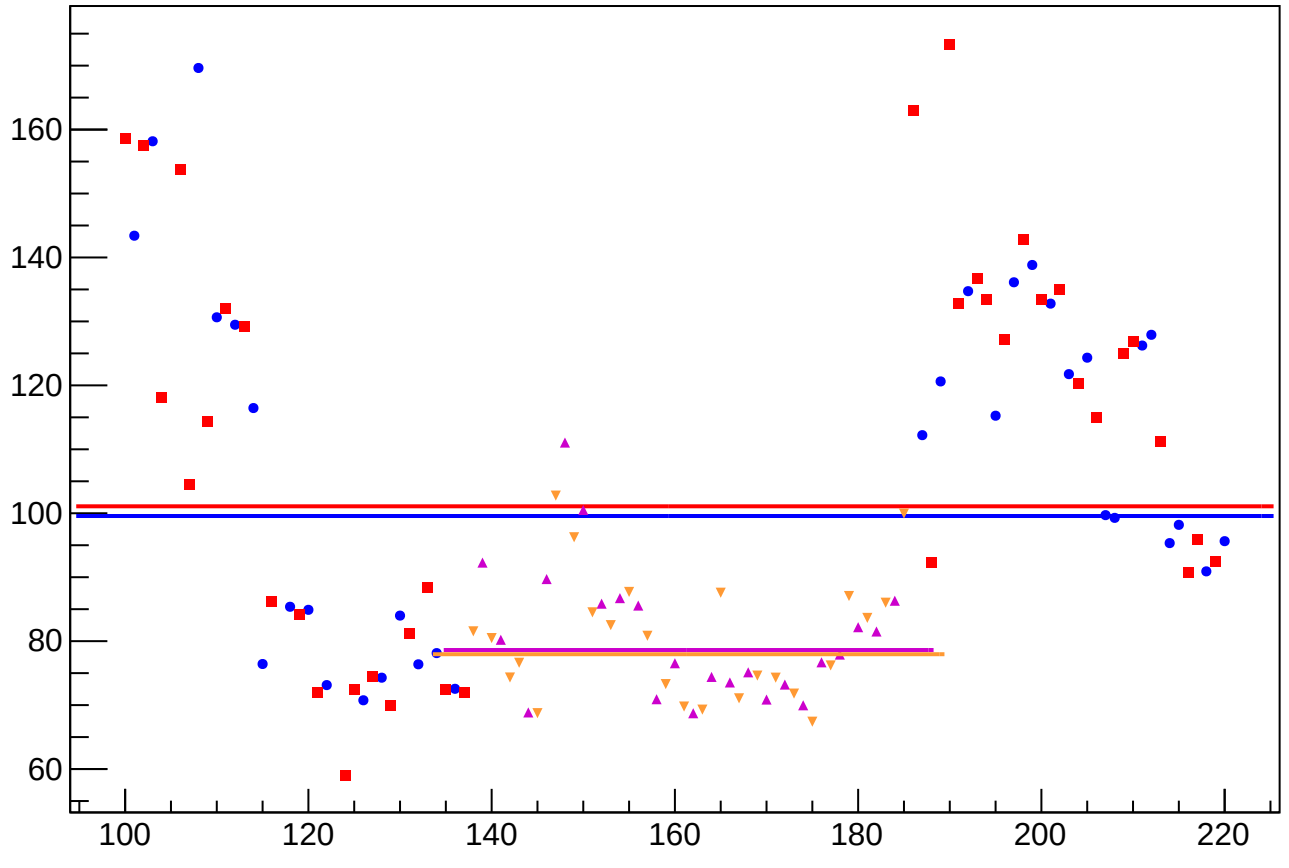
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.026+/-0.016 χ^2/NDF: 124.8/69

In: 0.004+/-0.014 χ^2/NDF:60.2/55

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.002+/-0.010 χ^2/NDF: 173.8/117



Right In: 99.570+/-0.016 χ^2/NDF: 2230486.1/32

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

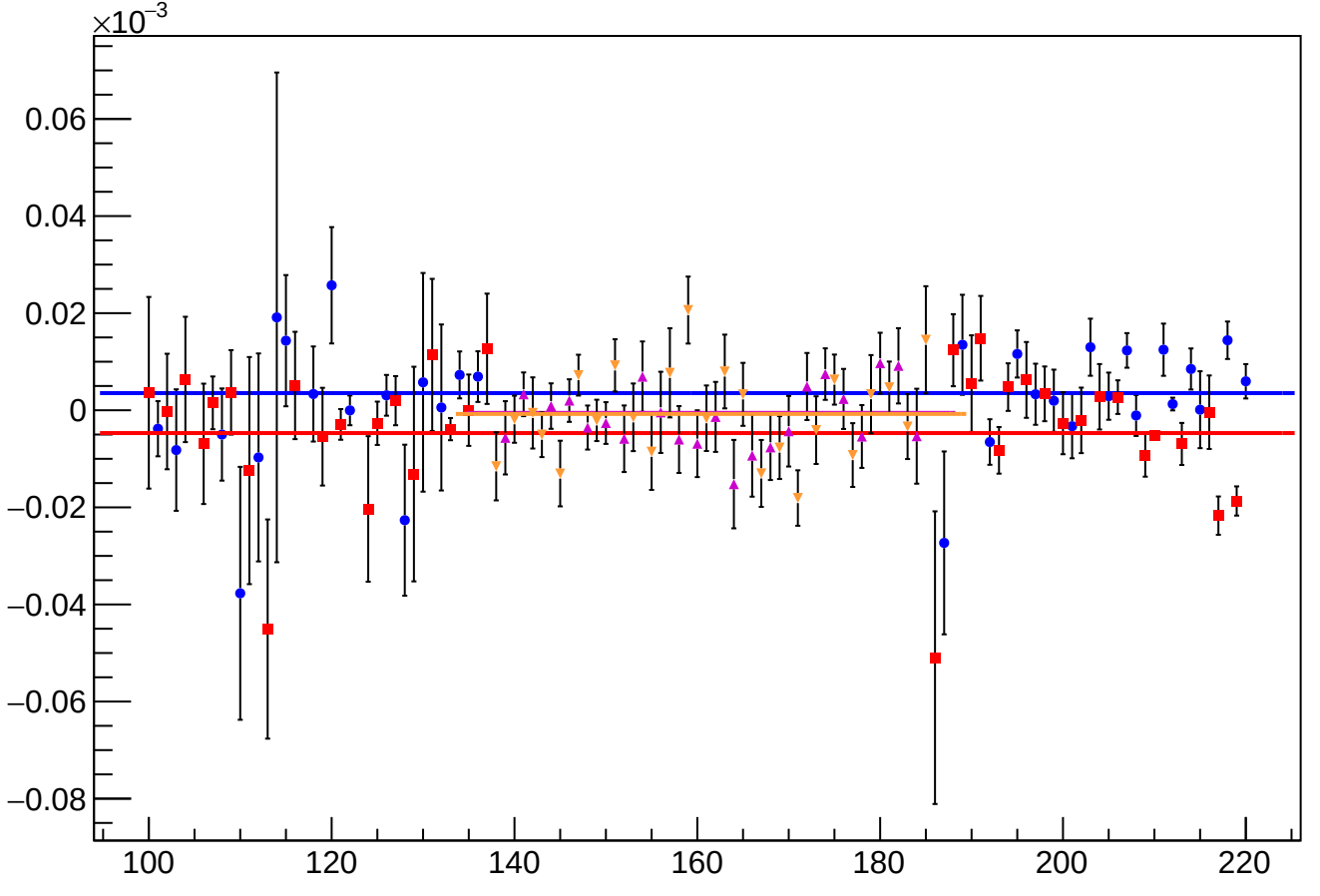
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.322+/-0.011 χ^2/NDF: 4808557.2/69

In: 87.133+/-0.010 χ^2/NDF:3764039.5/55

Out: 86.822+/-0.010 χ^2/NDF:4299448.2/61

All: 86.974+/-0.007 χ^2/NDF: 8063968.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 53.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 85.1/36

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

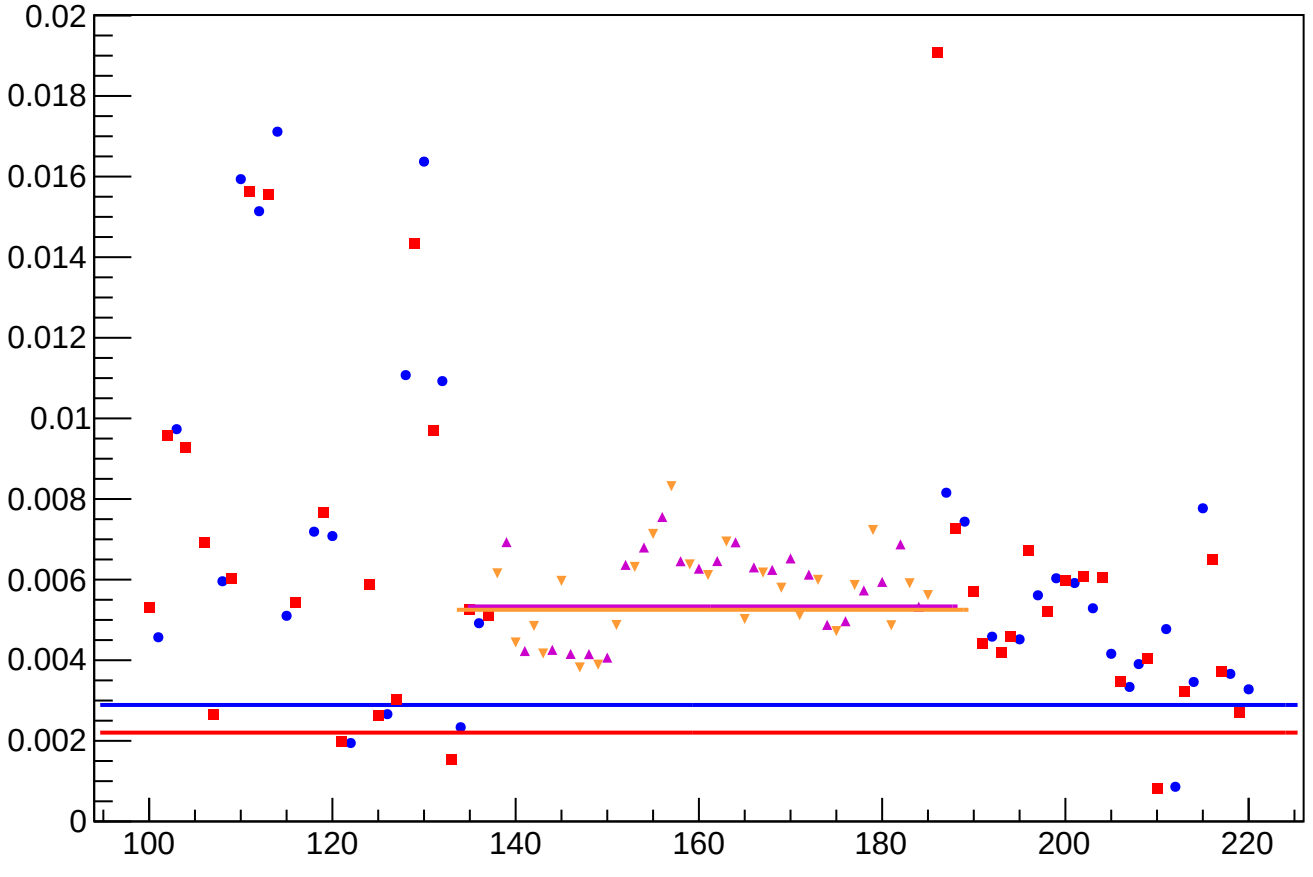
Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

Right: -0.000+/-0.000 χ^2/NDF: 201.4/69

In: 0.000+/-0.000 χ^2/NDF:79.3/55

Out: -0.000+/-0.000 χ^2/NDF:140.7/61

All: -0.000+/-0.000 χ^2/NDF: 268.1/117



Right In: 0.003+/-0.000 χ^2/NDF: 14092200.9/32

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 18466965.3/36

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

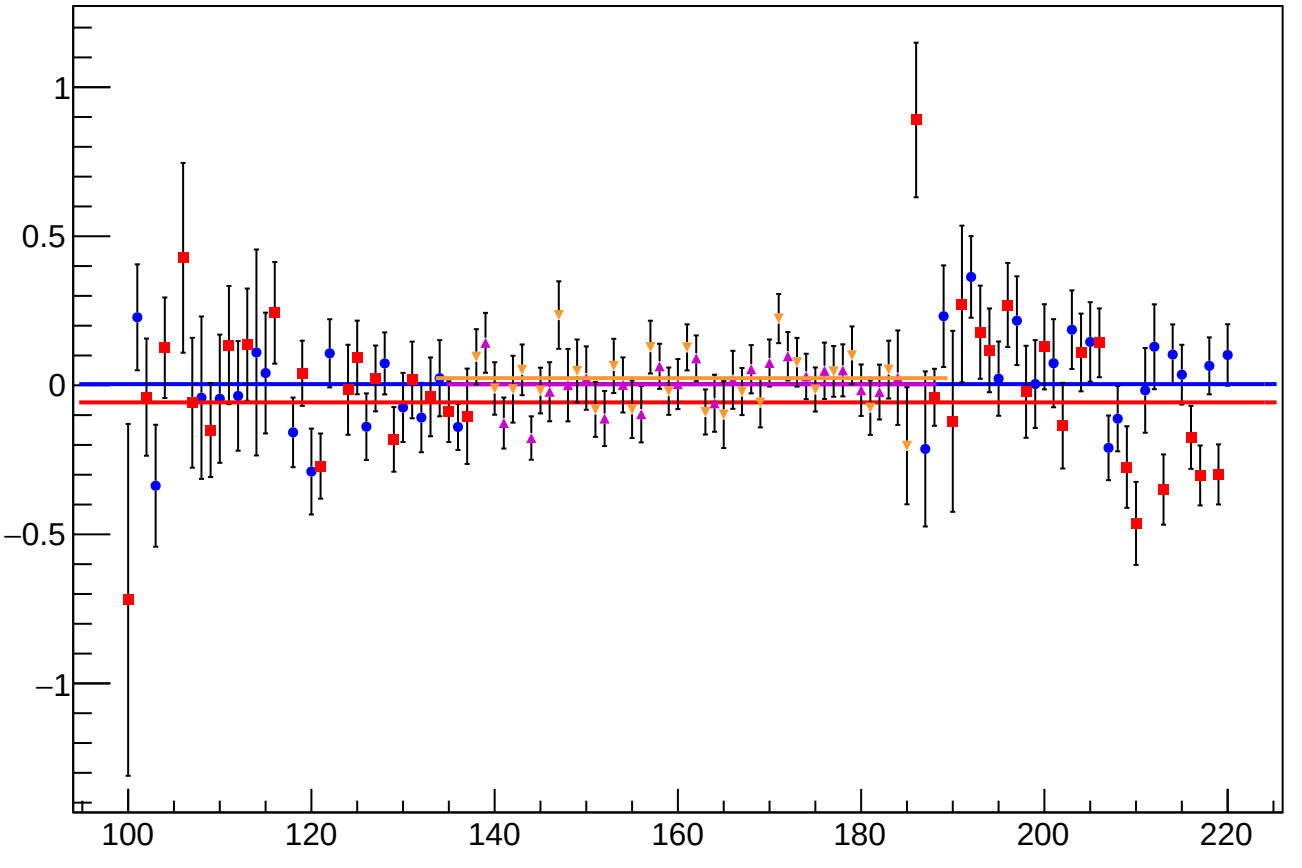
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.002+/-0.000 χ^2/NDF: 33433181.0/69

In: 0.004+/-0.000 χ^2/NDF:20820967.8/55

Out: 0.003+/-0.000 χ^2/NDF:29612664.9/61

All: 0.003+/-0.000 χ^2/NDF: 51652193.0/117



Right In: 0.004+/-0.022 χ^2/NDF: 41.4/32

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

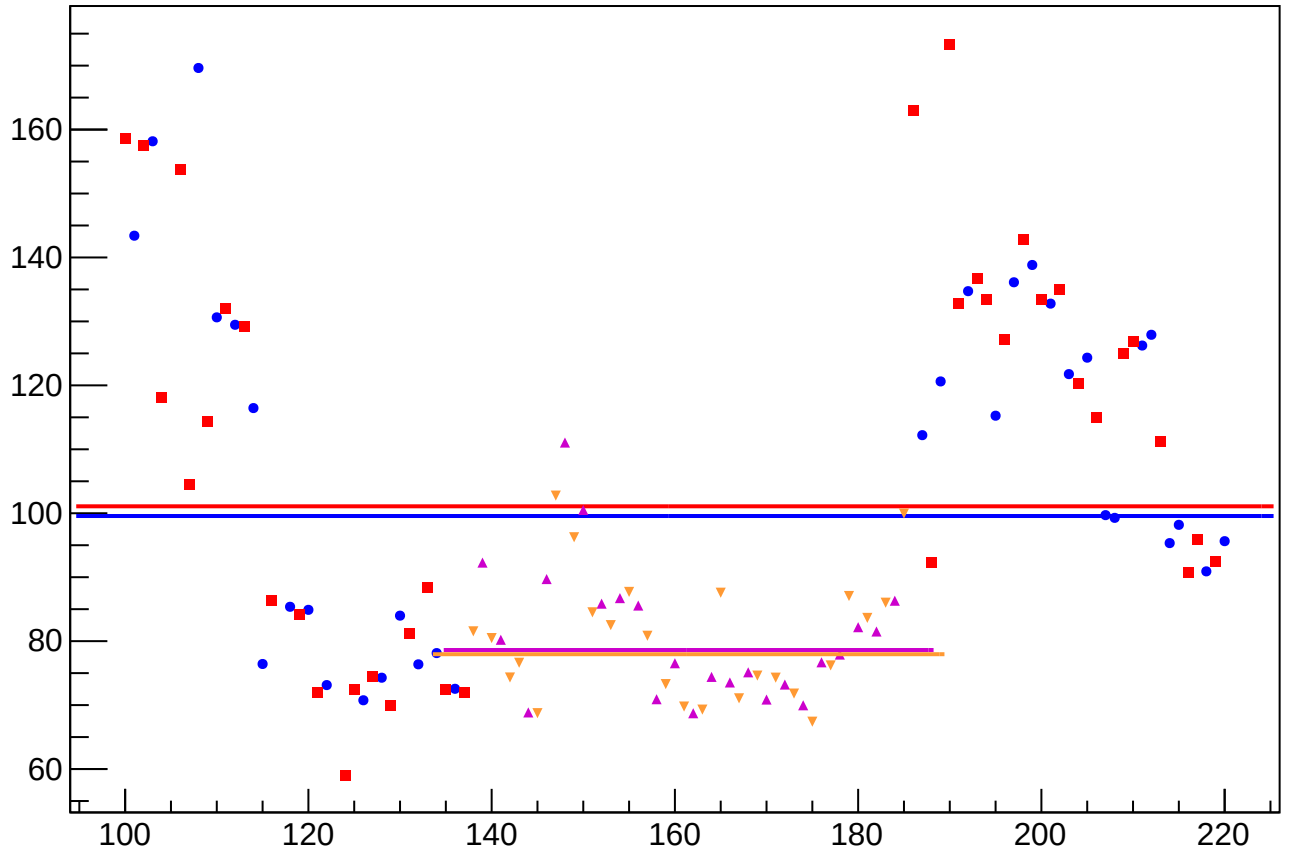
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.026+/-0.016 χ^2/NDF: 124.8/69

In: 0.004+/-0.014 χ^2/NDF:60.2/55

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.002+/-0.010 χ^2/NDF: 173.8/117



Right In: 99.568+/-0.016 χ^2/NDF: 2230620.6/32

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

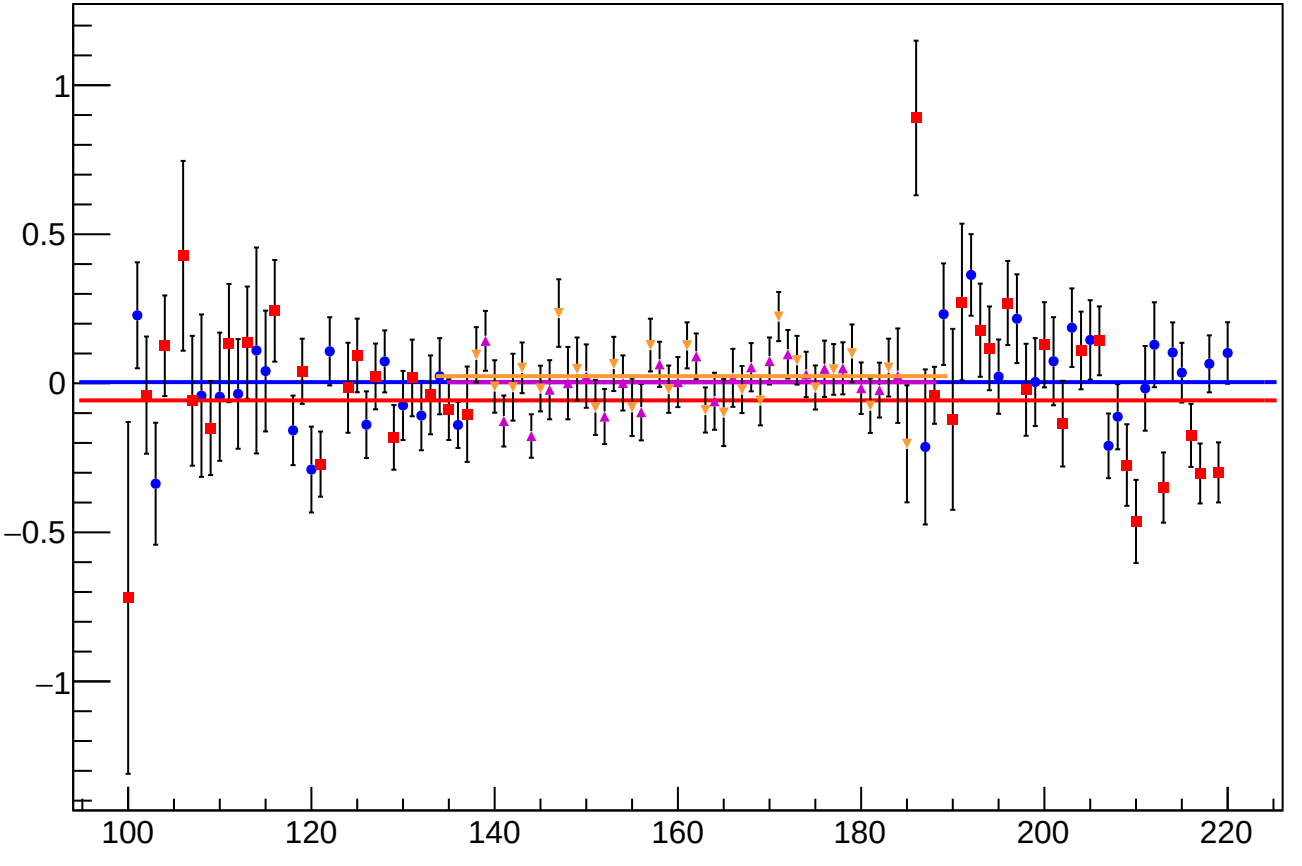
Right: 100.320+/-0.011 χ^2/NDF: 4808800.9/69

In: 87.132+/-0.010 χ^2/NDF:3764141.1/55

Out: 86.821+/-0.010 χ^2/NDF:4299504.8/61

All: 86.973+/-0.007 χ^2/NDF: 8064126.2/117

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.022 χ^2/NDF: 41.4/32

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

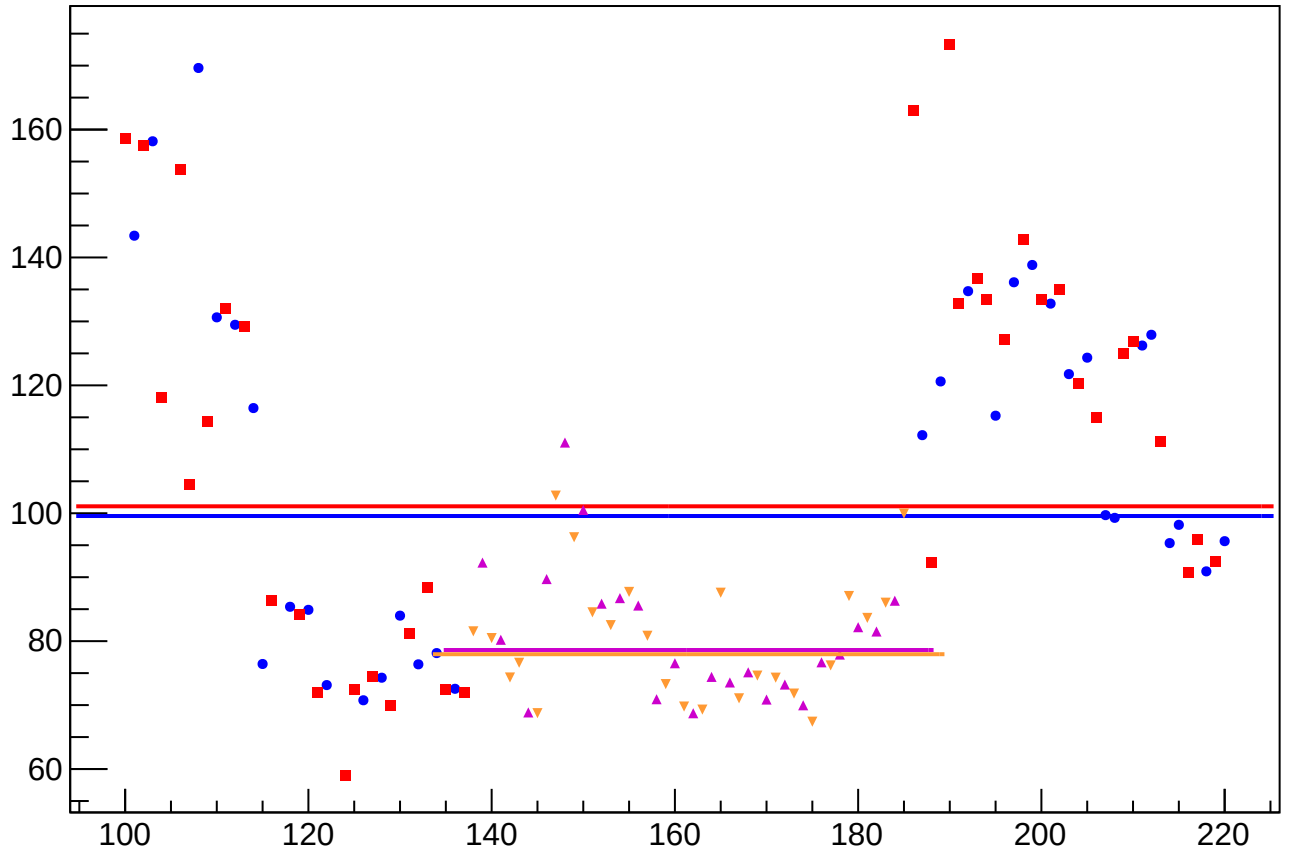
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.026+/-0.016 χ^2/NDF: 124.8/69

In: 0.004+/-0.014 χ^2/NDF:60.2/55

Out: -0.007+/-0.014 χ^2/NDF:113.2/61

All: -0.002+/-0.010 χ^2/NDF: 173.8/117



Right In: 99.568+/-0.016 χ^2/NDF: 2230620.6/32

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

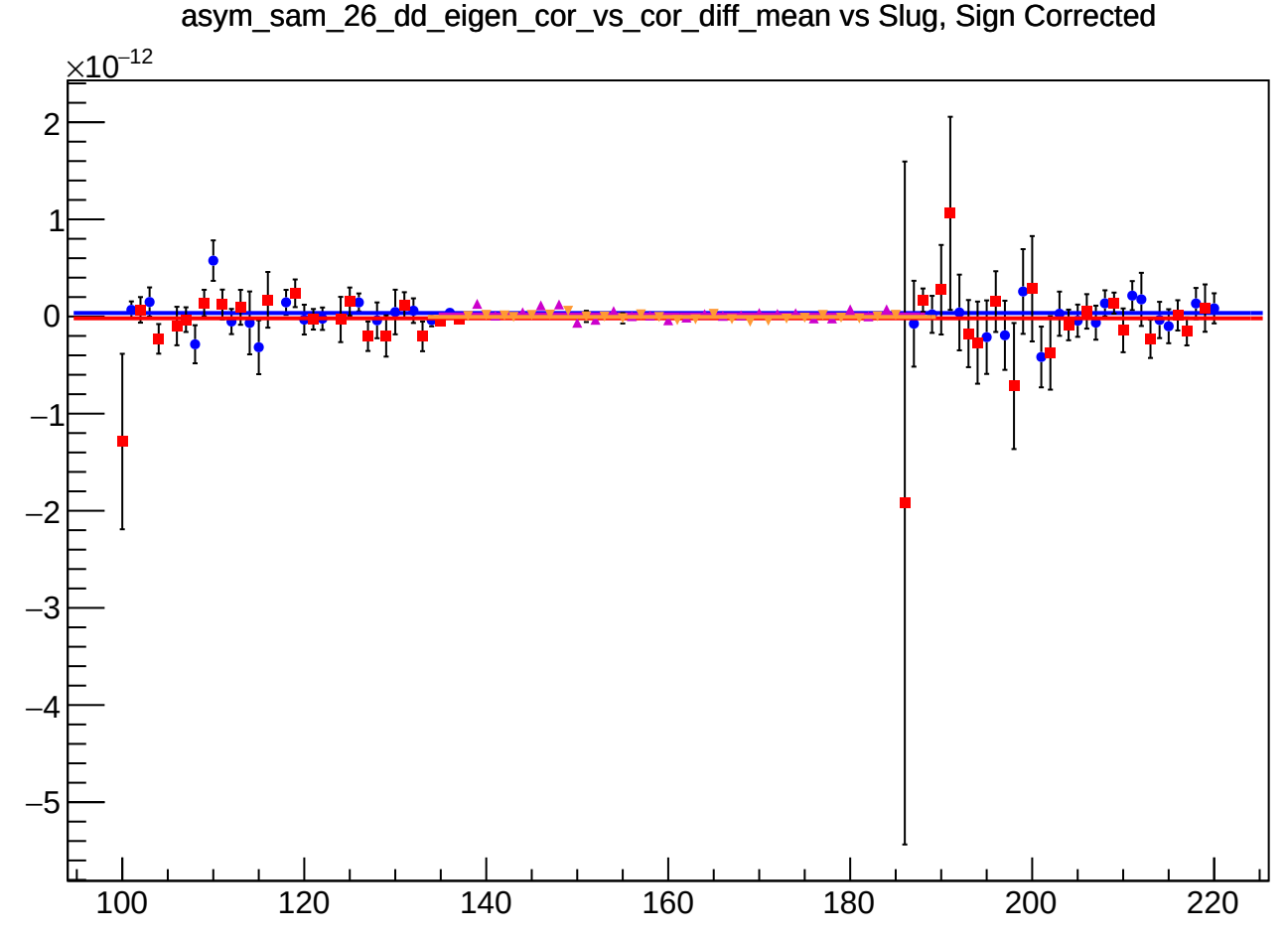
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 100.320+/-0.011 χ^2/NDF: 4808800.9/69

In: 87.132+/-0.010 χ^2/NDF:3764141.1/55

Out: 86.821+/-0.010 χ^2/NDF:4299504.8/61

All: 86.973+/-0.007 χ^2/NDF: 8064126.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/36

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

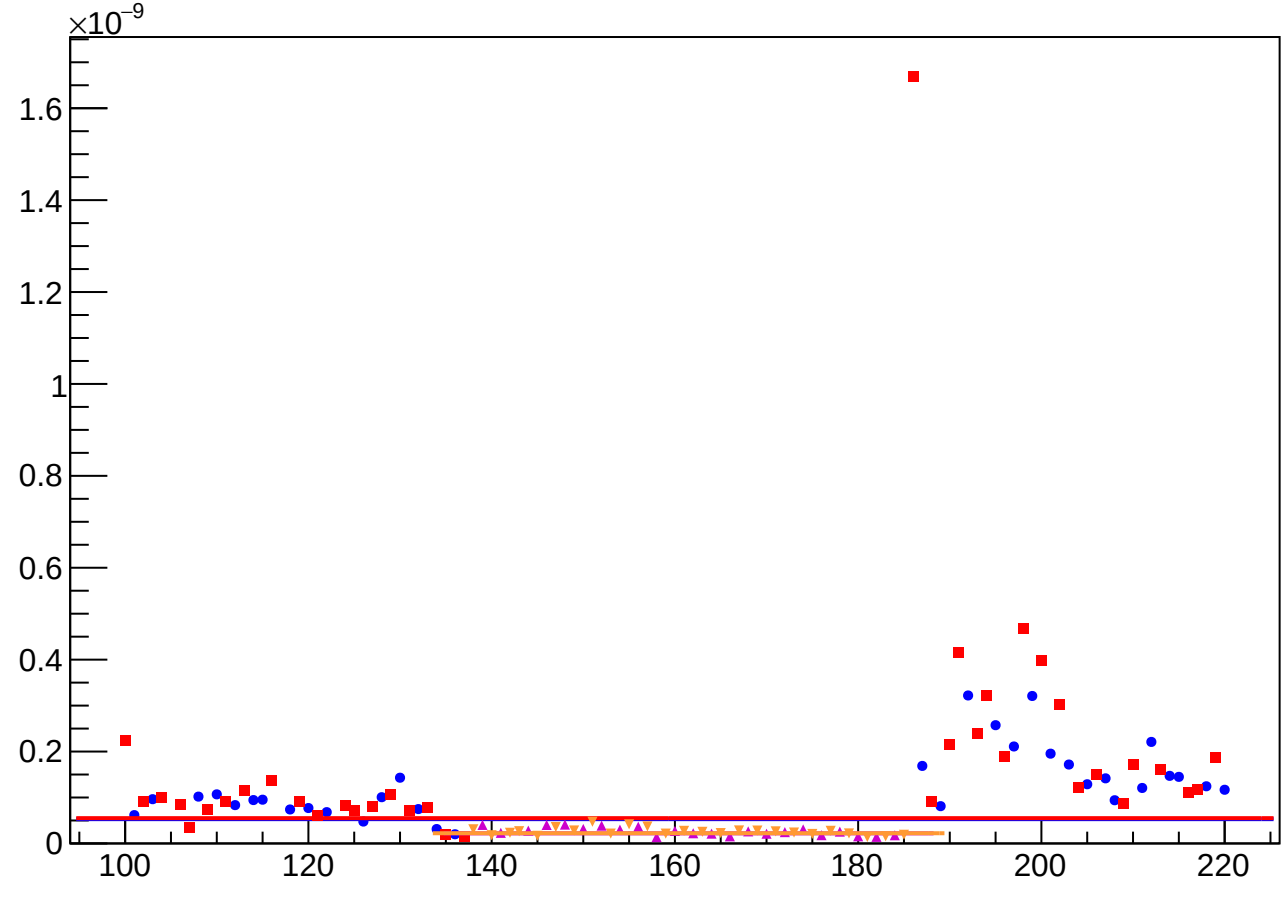
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 57.9/69

In: 0.000+/-0.000 χ^2/NDF:64.3/55

Out: -0.000+/-0.000 χ^2/NDF:44.0/61

All: 0.000+/-0.000 χ^2/NDF: 119.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 12436805.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13975907.8/36

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

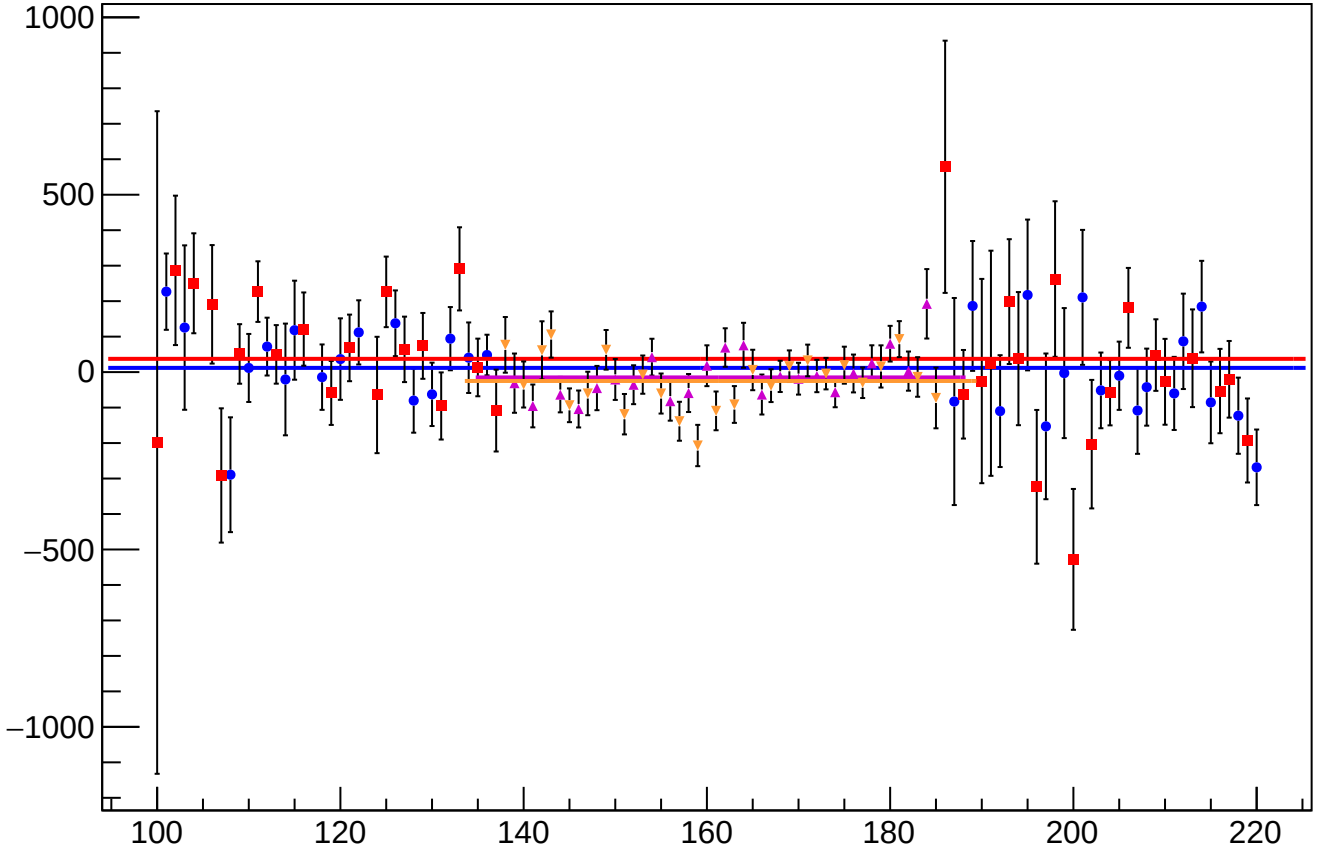
Right: 0.000+/-0.000 χ^2/NDF: 26424772.9/69

In: 0.000+/-0.000 χ^2/NDF:19974087.6/55

Out: 0.000+/-0.000 χ^2/NDF:21110666.0/61

All: 0.000+/-0.000 χ^2/NDF: 41085031.6/117

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 11.906+/-19.248 χ^2/NDF: 32.8/32

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 37.390+/-19.711 χ^2/NDF: 52.3/36

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

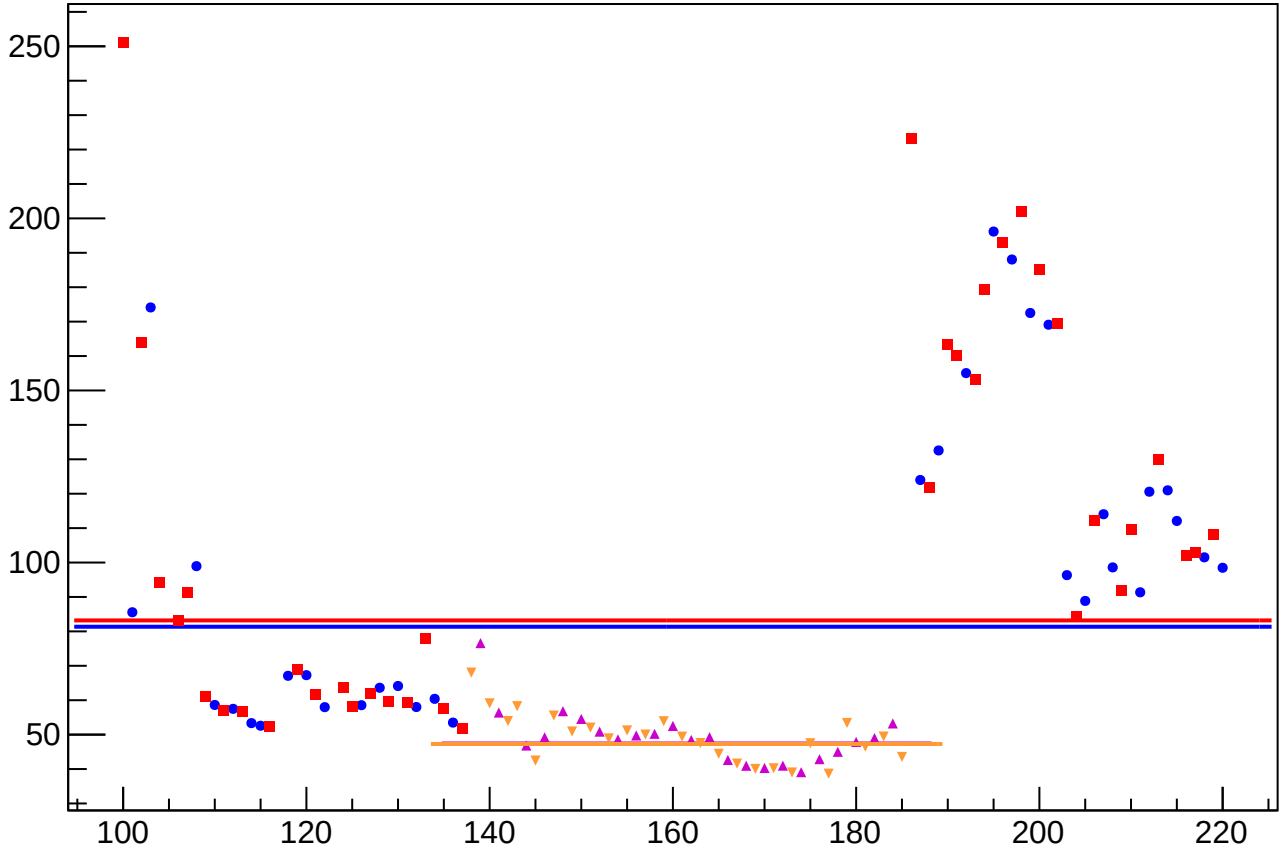
Right: 24.345+/-13.771 χ^2/NDF: 86.0/69

In: -8.173+/-9.692 χ^2/NDF:59.0/55

Out: -10.405+/-9.530 χ^2/NDF:103.0/61

All: -9.308+/-6.795 χ^2/NDF: 162.1/117

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 81.350+/-0.014 χ^2/NDF: 5531414.9/32

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 83.185+/-0.014 χ^2/NDF: 6483406.5/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

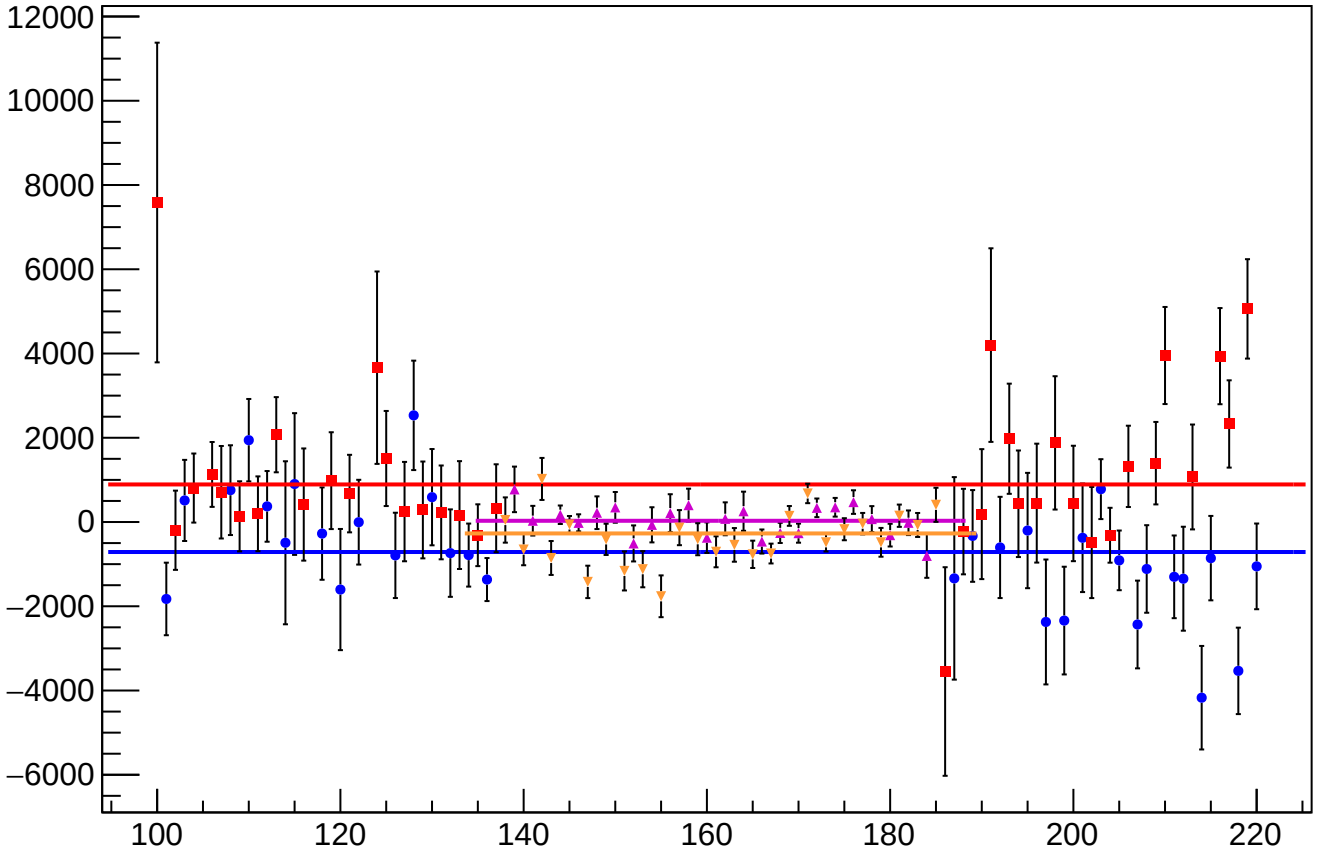
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 82.246+/-0.010 χ^2/NDF: 12023695.7/69

In: 56.027+/-0.007 χ^2/NDF:10824894.3/55

Out: 55.677+/-0.007 χ^2/NDF:12284537.7/61

All: 55.849+/-0.005 χ^2/NDF: 23110759.7/117



Right In: -711.977+/-175.185 χ^2/NDF: 52.3/32

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 891.850+/-177.972 χ^2/NDF: 55.7/36

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

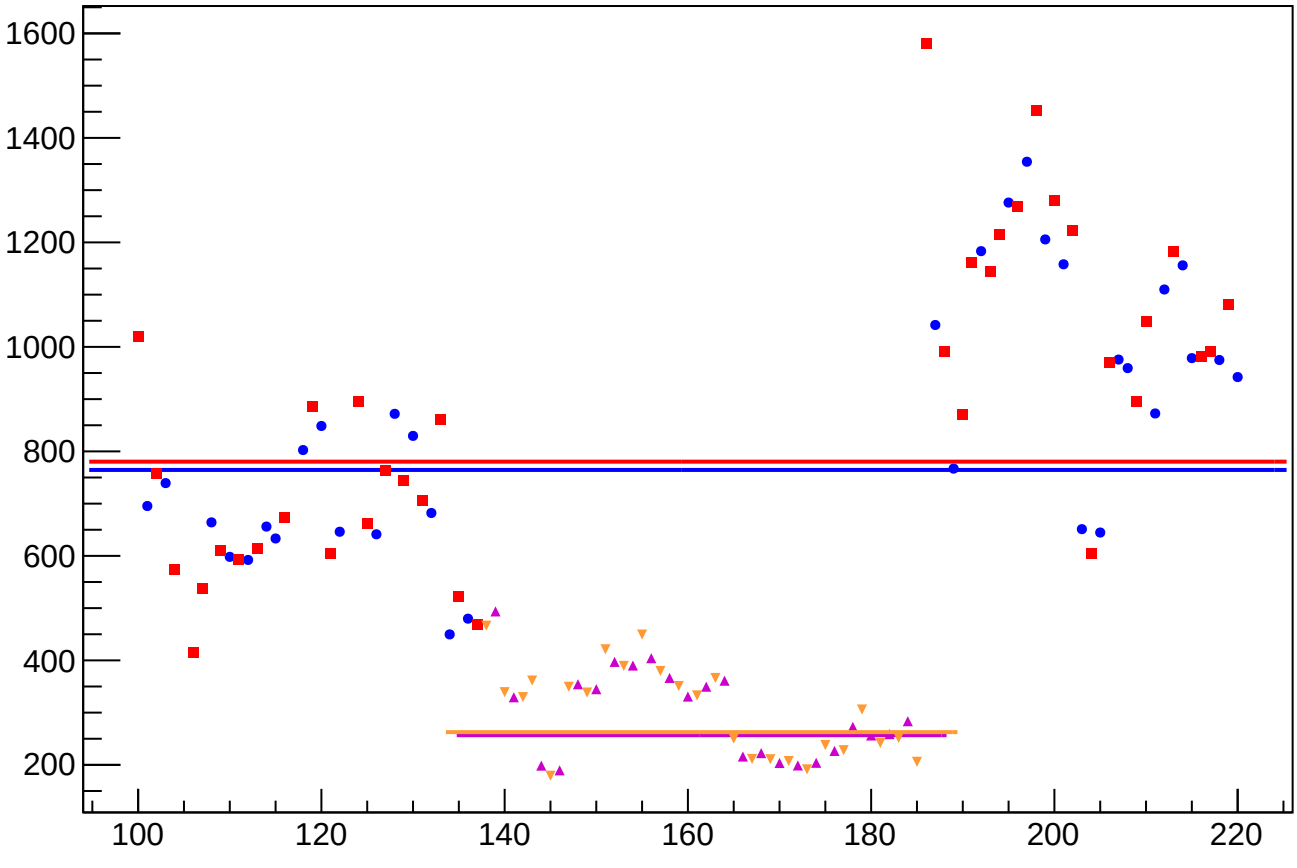
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 77.277+/-124.848 χ^2/NDF: 149.2/69

In: -54.892+/-59.008 χ^2/NDF:92.5/55

Out: -143.923+/-58.840 χ^2/NDF:167.6/61

All: -99.535+/-41.666 χ^2/NDF: 261.3/117



Right In: 764.479+/-0.124 χ^2/NDF: 3439456.7/32

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 780.352+/-0.126 χ^2/NDF: 4184974.1/36

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

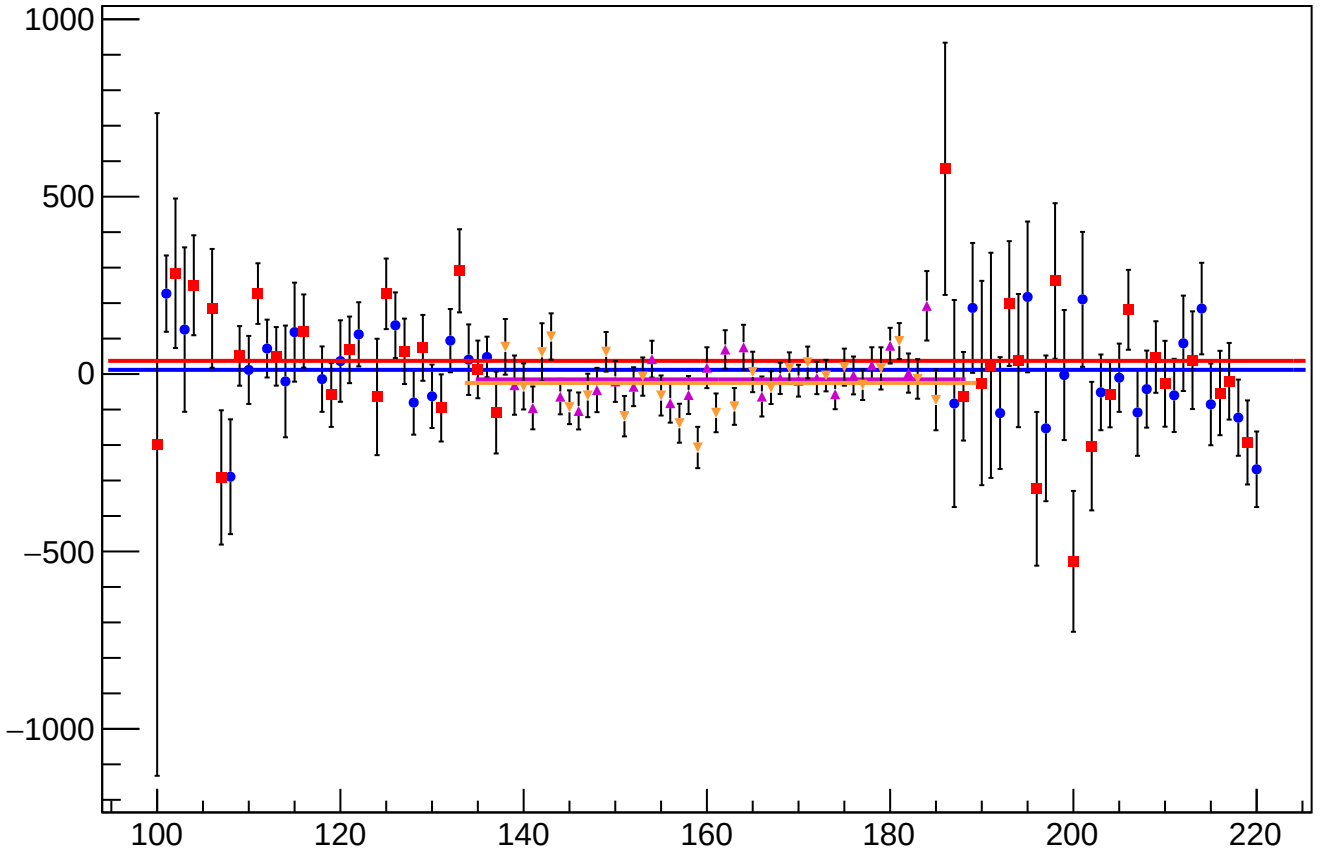
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 772.290+/-0.088 χ^2/NDF: 7632511.3/69

In: 314.438+/-0.042 χ^2/NDF:20966893.5/55

Out: 319.263+/-0.042 χ^2/NDF:22150068.2/61

All: 316.857+/-0.029 χ^2/NDF: 43123668.1/11



Right In: 11.900+/-19.248 χ^2/NDF: 32.8/32

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 37.271+/-19.712 χ^2/NDF: 52.2/36

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

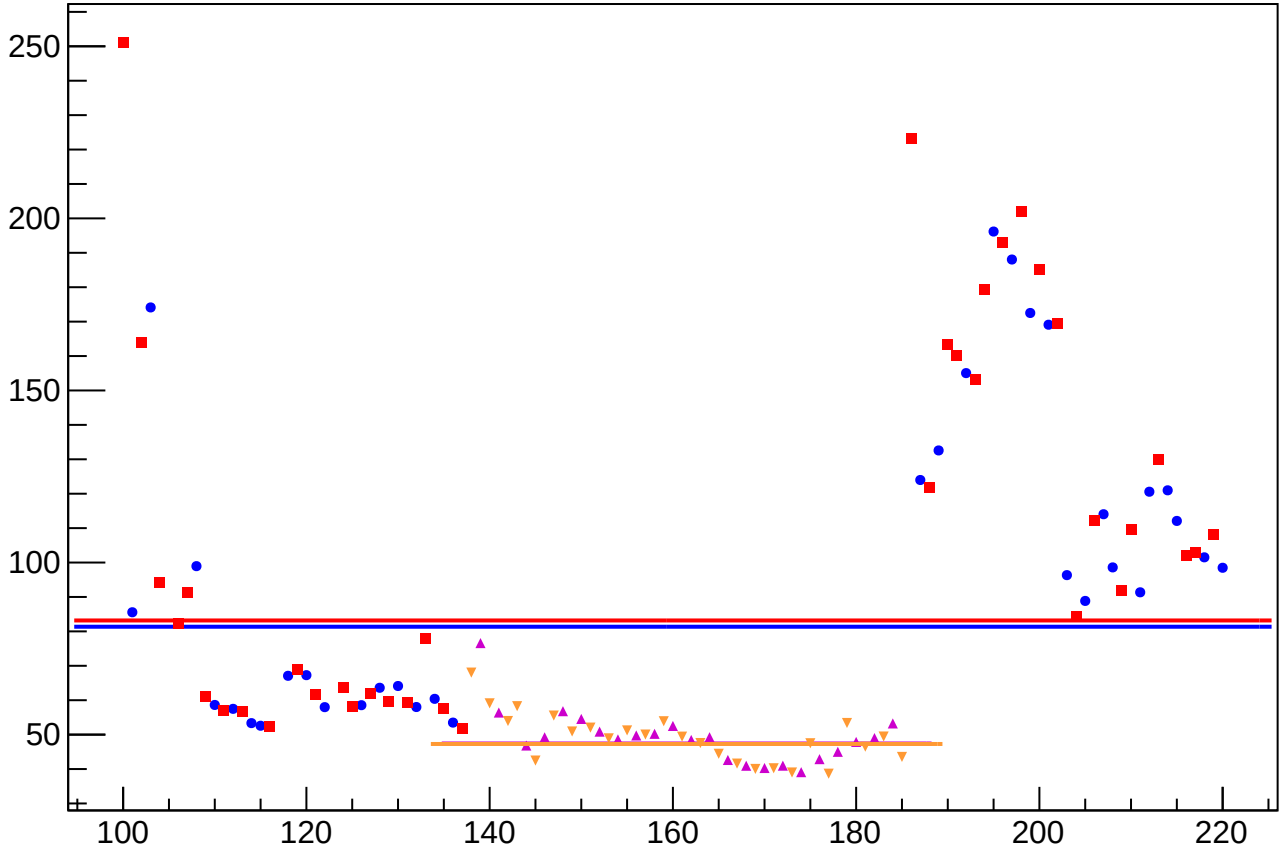
Right: 24.283+/-13.771 χ^2/NDF: 85.8/69

In: -8.174+/-9.692 χ^2/NDF:59.0/55

Out: -10.432+/-9.530 χ^2/NDF:102.9/61

All: -9.322+/-6.795 χ^2/NDF: 161.9/117

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 81.350+/-0.014 χ^2/NDF: 5531417.3/32

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

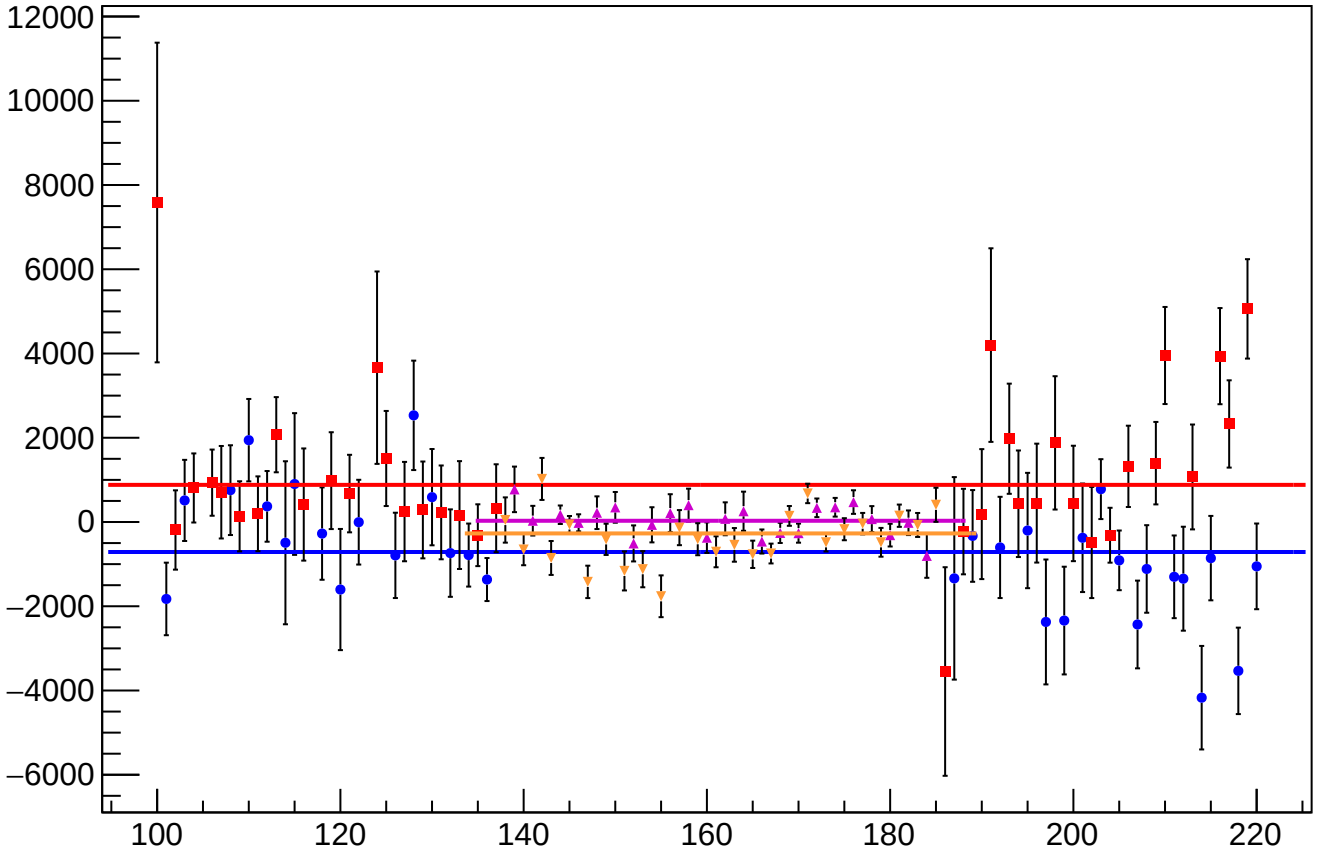
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 82.239+/-0.010 χ^2/NDF: 12023813.9/69

In: 56.027+/-0.007 χ^2/NDF:10824896.1/55

Out: 55.673+/-0.007 χ^2/NDF:12280466.1/61

All: 55.847+/-0.005 χ^2/NDF: 23106719.1/117



Right In: -711.980+/-175.185 χ^2/NDF: 52.3/32

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 881.676+/-178.165 χ^2/NDF: 55.6/36

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

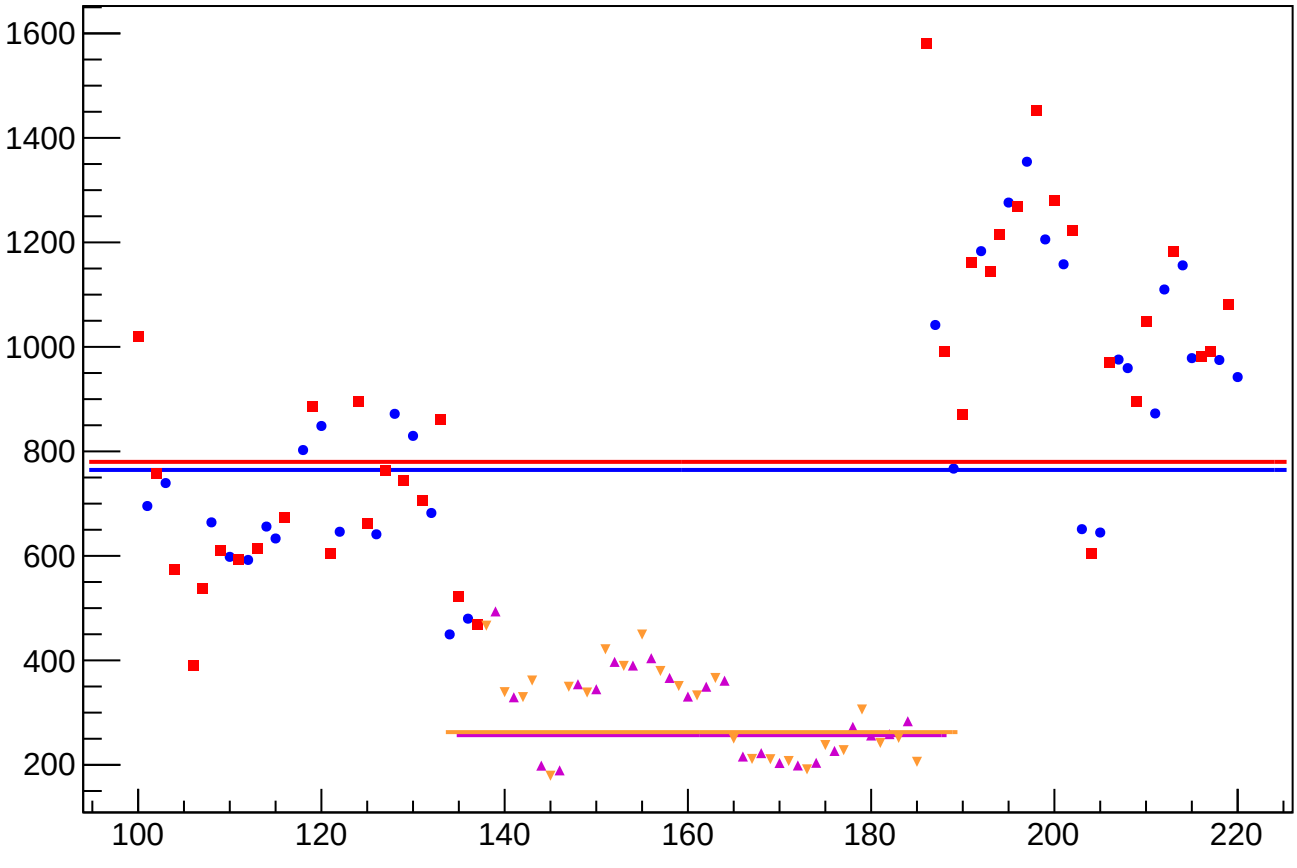
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 71.409+/-124.915 χ^2/NDF: 148.5/69

In: -54.890+/-59.008 χ^2/NDF:92.5/55

Out: -145.273+/-58.847 χ^2/NDF:166.8/61

All: -100.206+/-41.668 χ^2/NDF: 260.5/117



Right In: 764.482+/-0.124 χ^2/NDF: 3439448.4/32

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

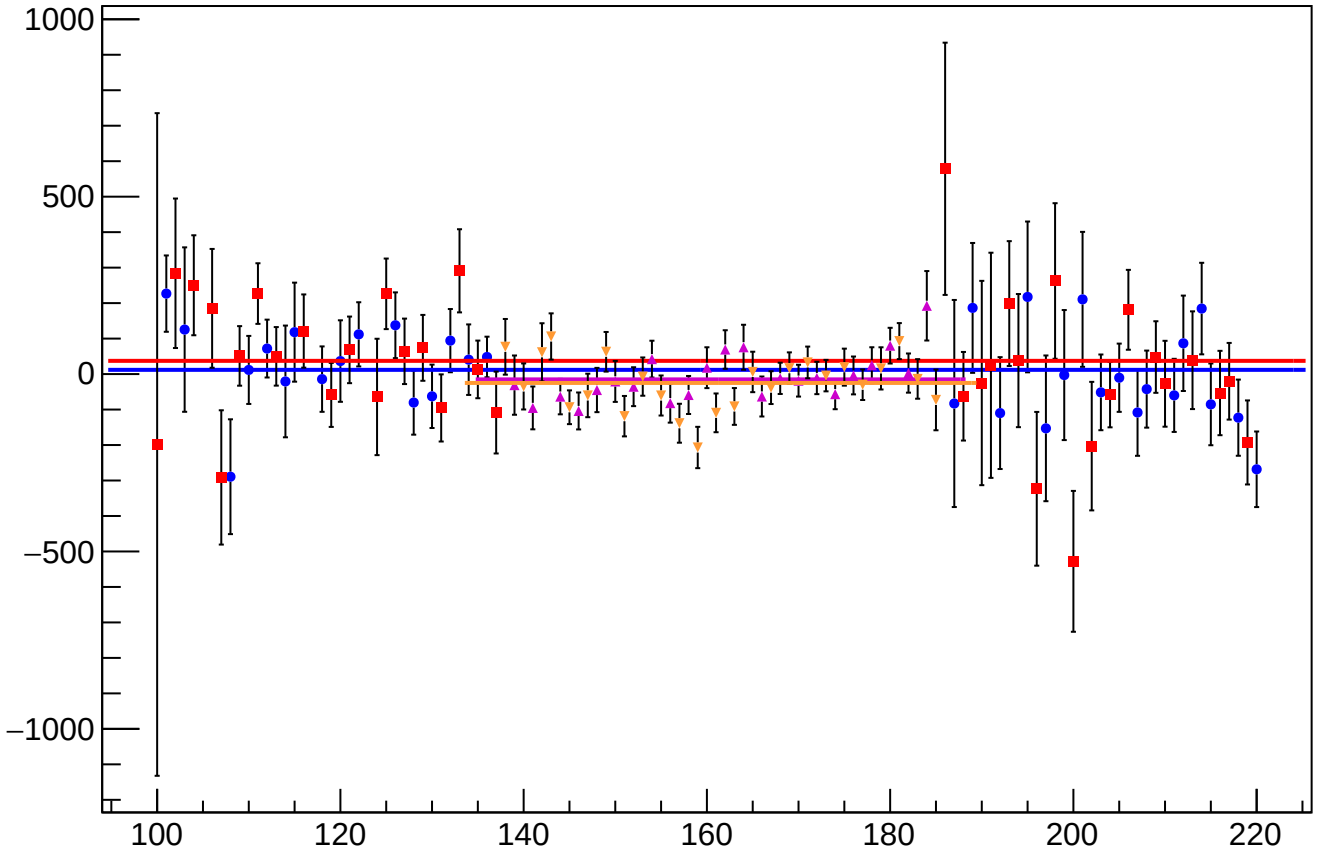
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 772.081+/-0.088 χ^2/NDF: 7671683.8/69

In: 314.438+/-0.042 χ^2/NDF:20966940.3/55

Out: 319.109+/-0.042 χ^2/NDF:22136767.0/61

All: 316.780+/-0.029 χ^2/NDF: 43109991.8/11



Right In: 11.900+/-19.248 χ^2/NDF: 32.8/32

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 37.271+/-19.712 χ^2/NDF: 52.2/36

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

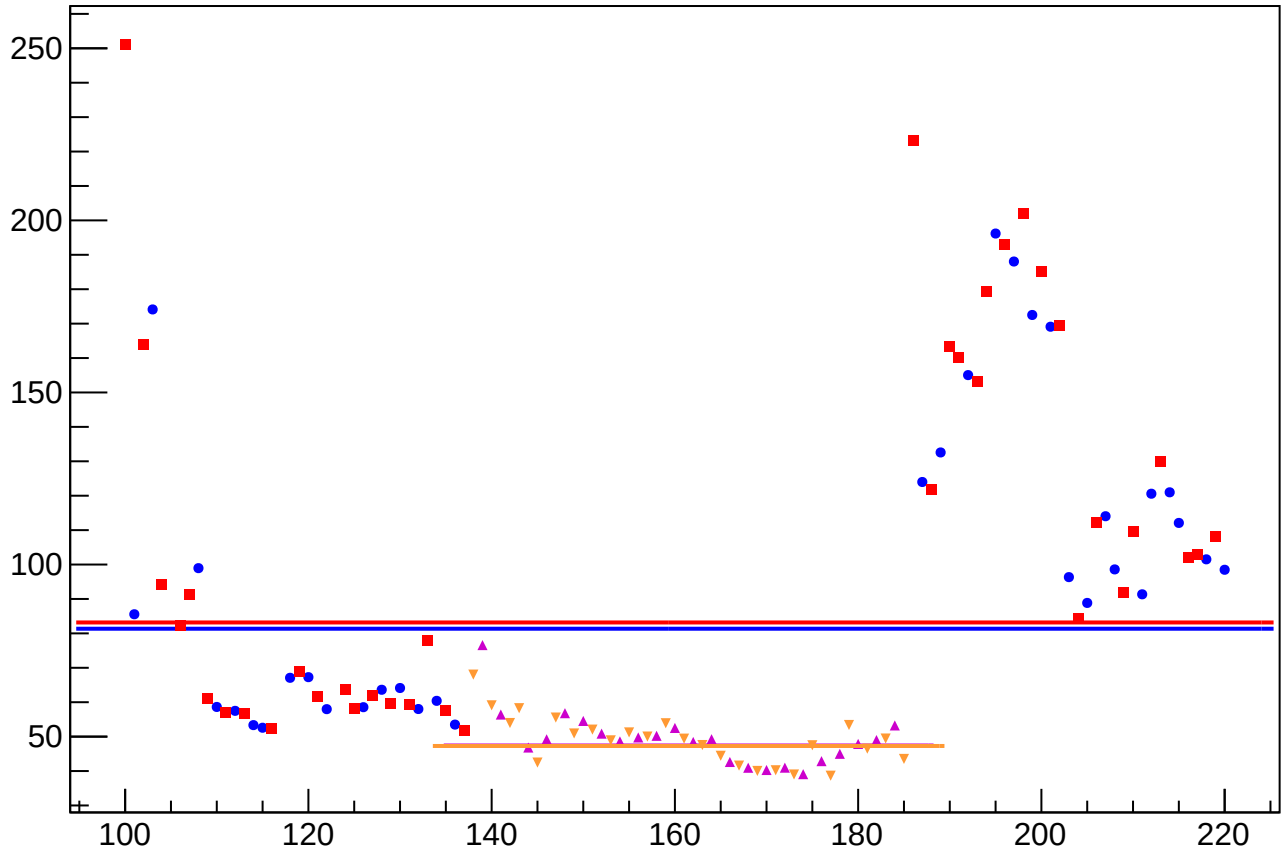
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 24.283+/-13.771 χ^2/NDF: 85.8/69

In: -8.174+/-9.692 χ^2/NDF:59.0/55

Out: -10.432+/-9.530 χ^2/NDF:102.9/61

All: -9.322+/-6.795 χ^2/NDF: 161.9/117



Right In: 81.350+/-0.014 χ^2/NDF: 5531417.3/32

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

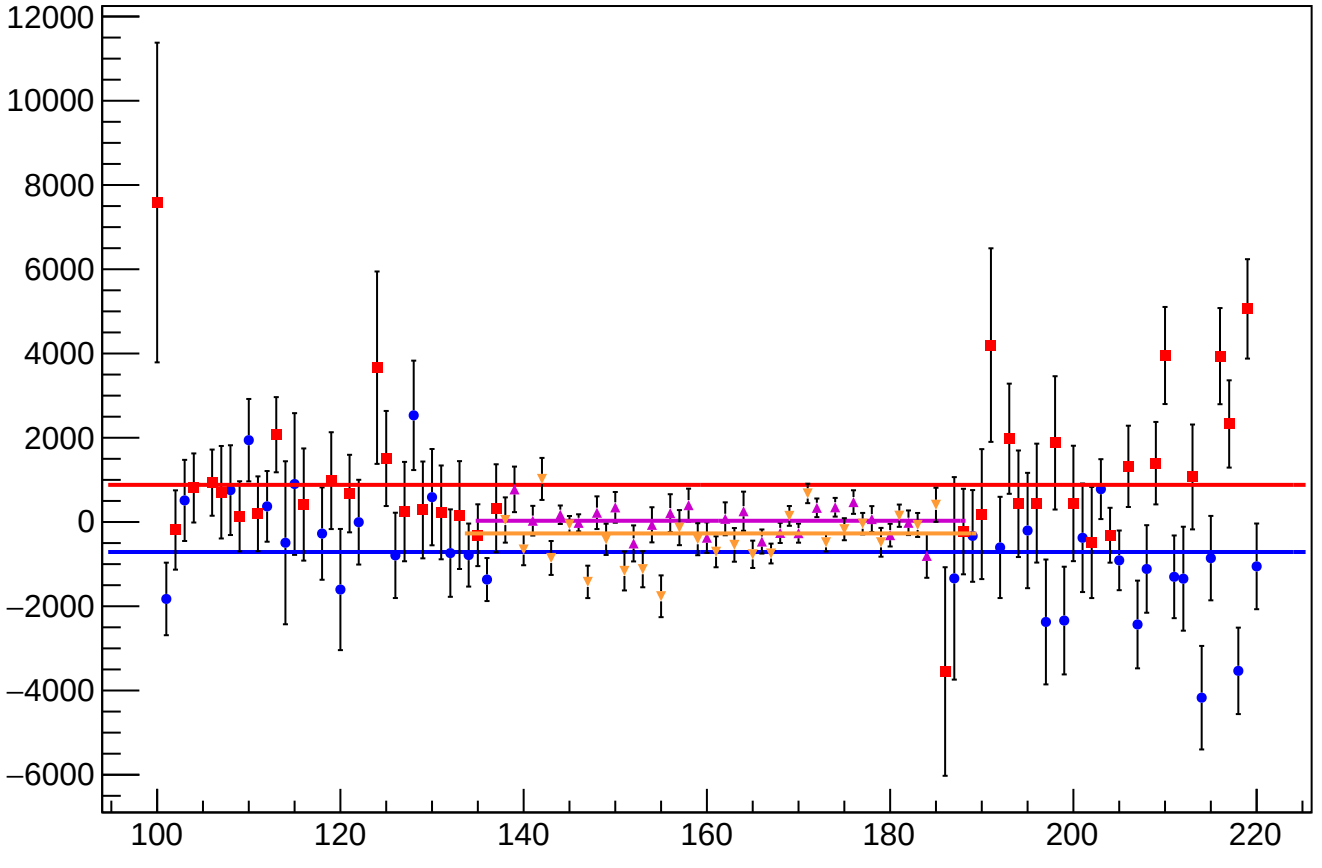
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 82.239+/-0.010 χ^2/NDF: 12023813.9/69

In: 56.027+/-0.007 χ^2/NDF:10824896.1/55

Out: 55.673+/-0.007 χ^2/NDF:12280466.1/61

All: 55.847+/-0.005 χ^2/NDF: 23106719.1/117



Right In: -711.980+/-175.185 χ^2/NDF: 52.3/32

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 881.676+/-178.165 χ^2/NDF: 55.6/36

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

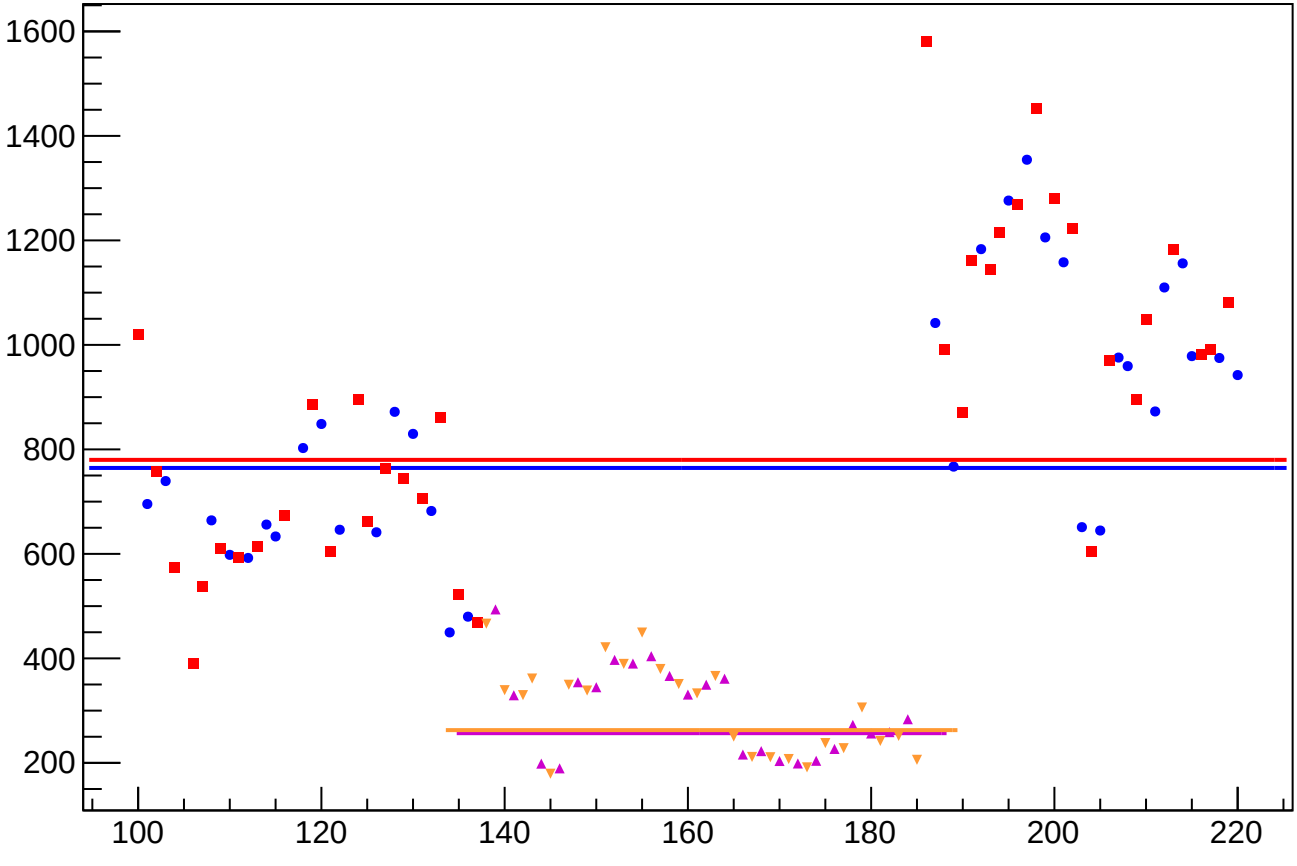
Right: 71.409+/-124.915 χ^2/NDF: 148.5/69

In: -54.890+/-59.008 χ^2/NDF:92.5/55

Out: -145.273+/-58.847 χ^2/NDF:166.8/61

All: -100.206+/-41.668 χ^2/NDF: 260.5/117

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 764.482+/-0.124 χ^2/NDF: 3439448.4/32

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

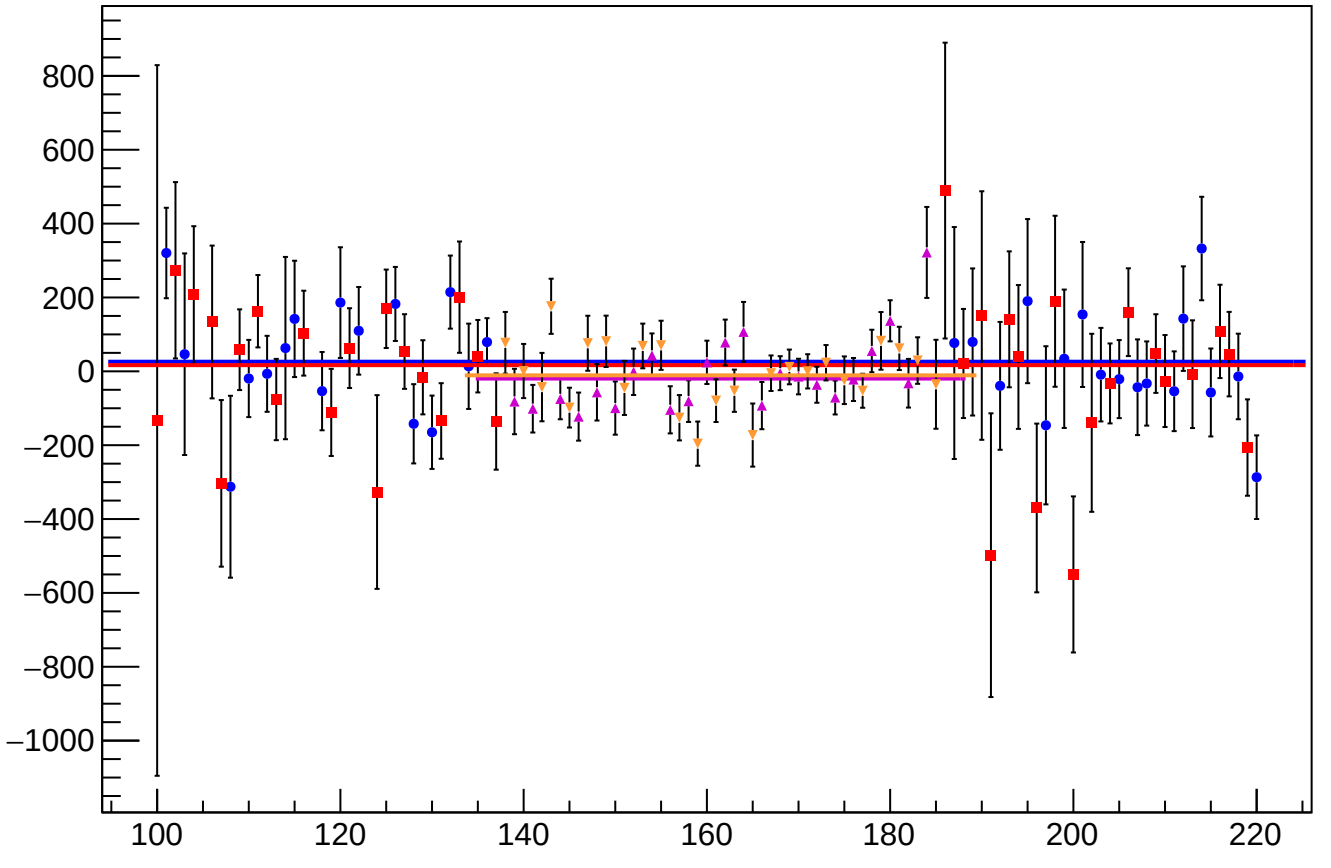
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 772.081+/-0.088 χ^2/NDF: 7671683.8/69

In: 314.438+/-0.042 χ^2/NDF:20966940.3/55

Out: 319.109+/-0.042 χ^2/NDF:22136767.0/61

All: 316.780+/-0.029 χ^2/NDF: 43109991.8/11



Right In: 26.045+/-21.768 χ^2/NDF: 40.6/32

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 16.699+/-22.640 χ^2/NDF: 39.0/36

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

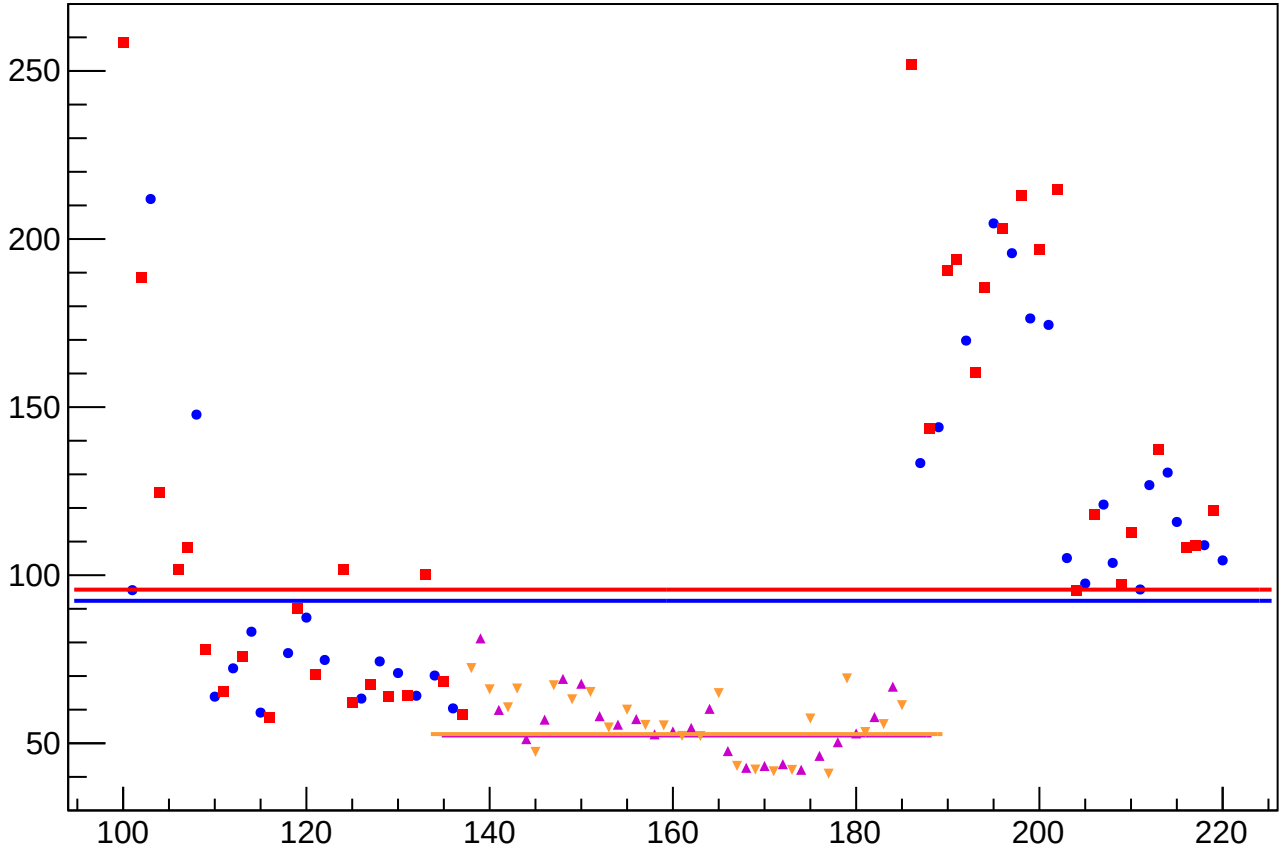
Right: 21.555+/-15.692 χ^2/NDF: 79.6/69

In: -8.217+/-10.870 χ^2/NDF:80.6/55

Out: -4.546+/-10.812 χ^2/NDF:80.5/61

All: -6.372+/-7.666 χ^2/NDF: 161.2/117

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 92.382+/-0.015 χ^2/NDF: 4784552.3/32

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 95.707+/-0.016 χ^2/NDF: 5892279.3/36

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

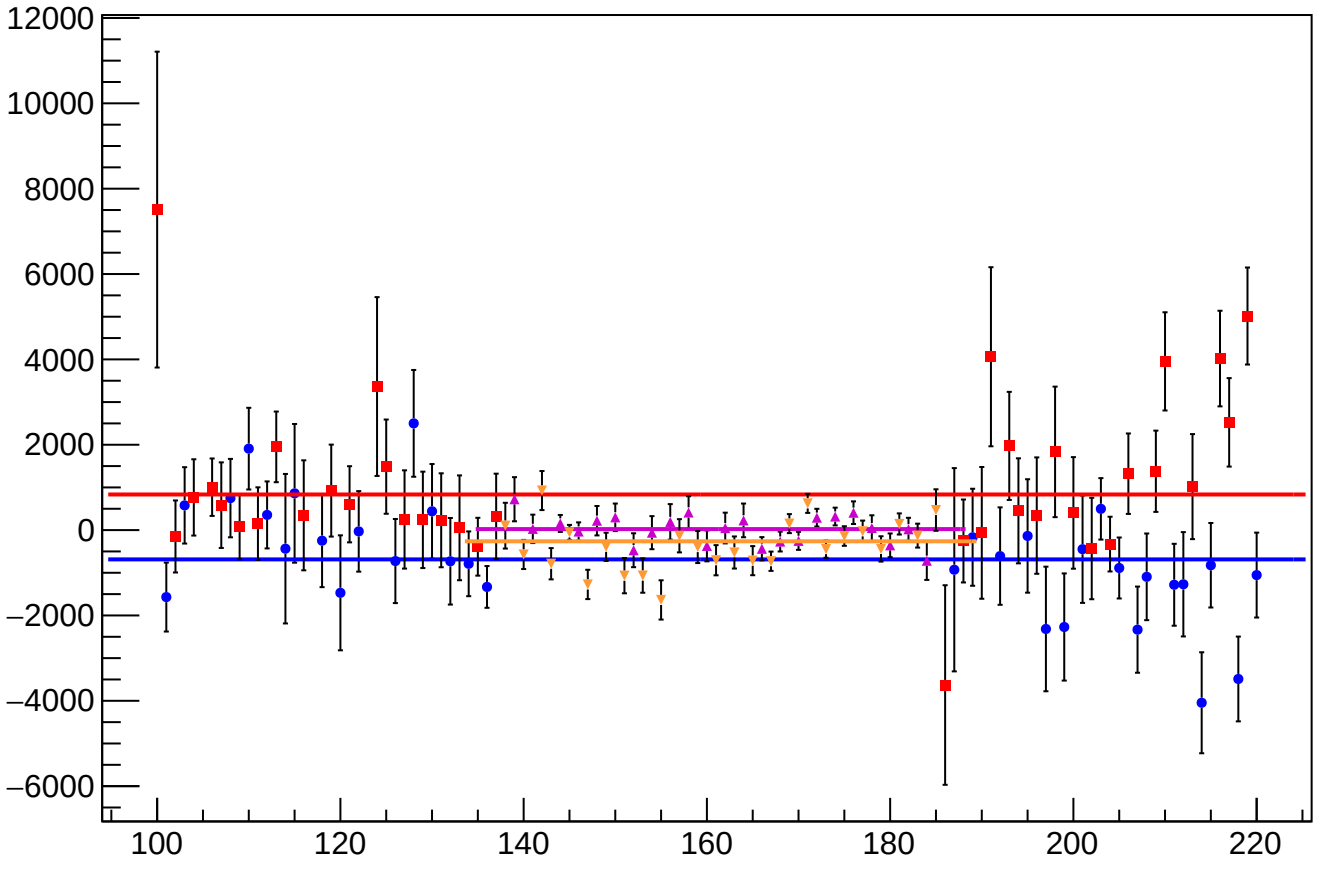
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 93.980+/-0.011 χ^2/NDF: 10699248.2/69

In: 62.304+/-0.008 χ^2/NDF:10763018.1/55

Out: 62.533+/-0.008 χ^2/NDF:12622766.1/61

All: 62.419+/-0.005 χ^2/NDF: 23386228.3/117



Right In: -686.531+/-169.898 χ^2/NDF: 51.6/32

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 834.631+/-170.250 χ^2/NDF: 60.8/36

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

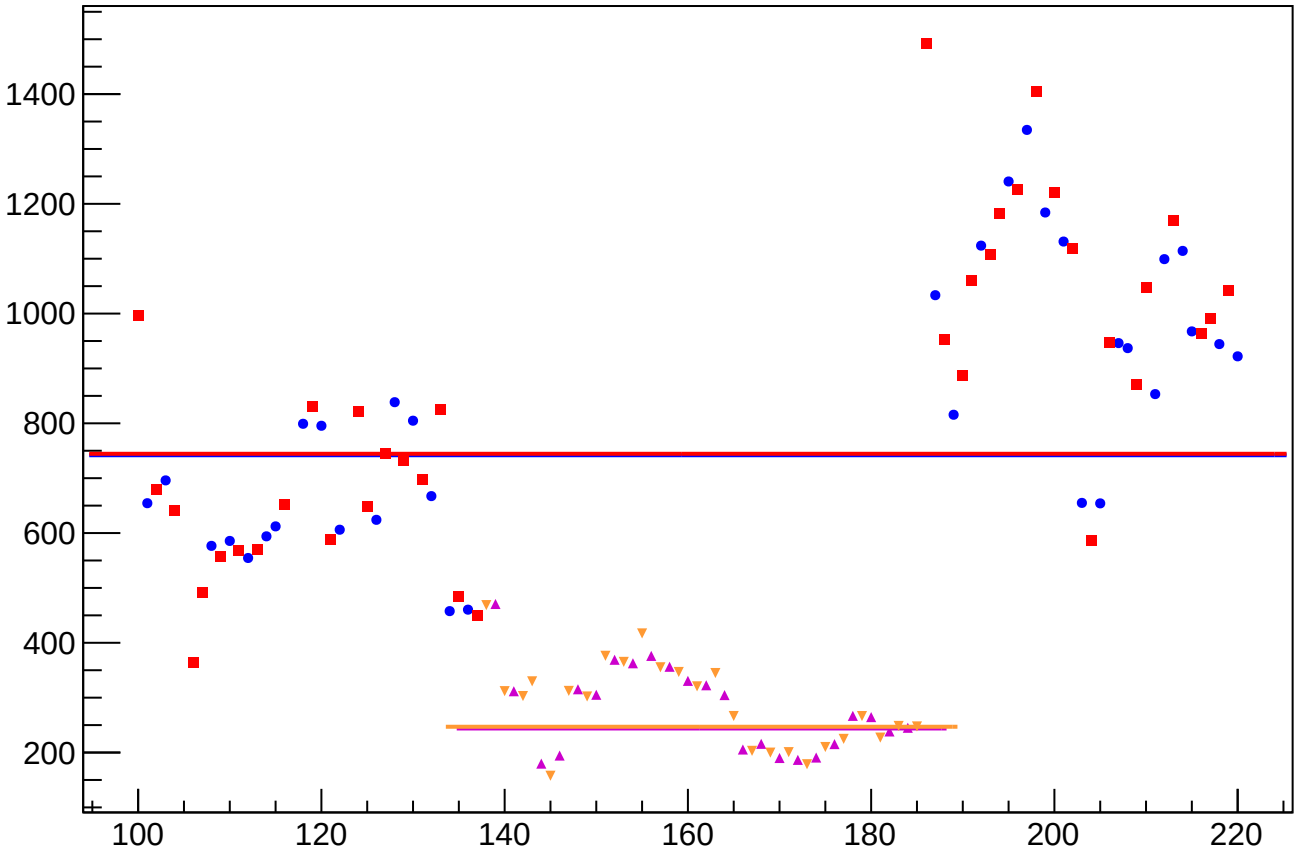
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 72.475+/-120.260 χ^2/NDF: 152.5/69

In: -53.857+/-56.069 χ^2/NDF:91.4/55

Out: -146.712+/-55.326 χ^2/NDF:170.2/61

All: -100.904+/-39.381 χ^2/NDF: 263.0/117



Right In: 741.832+/-0.120 χ^2/NDF: 3515240.8/32

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 744.462+/-0.120 χ^2/NDF: 4515458.2/36

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

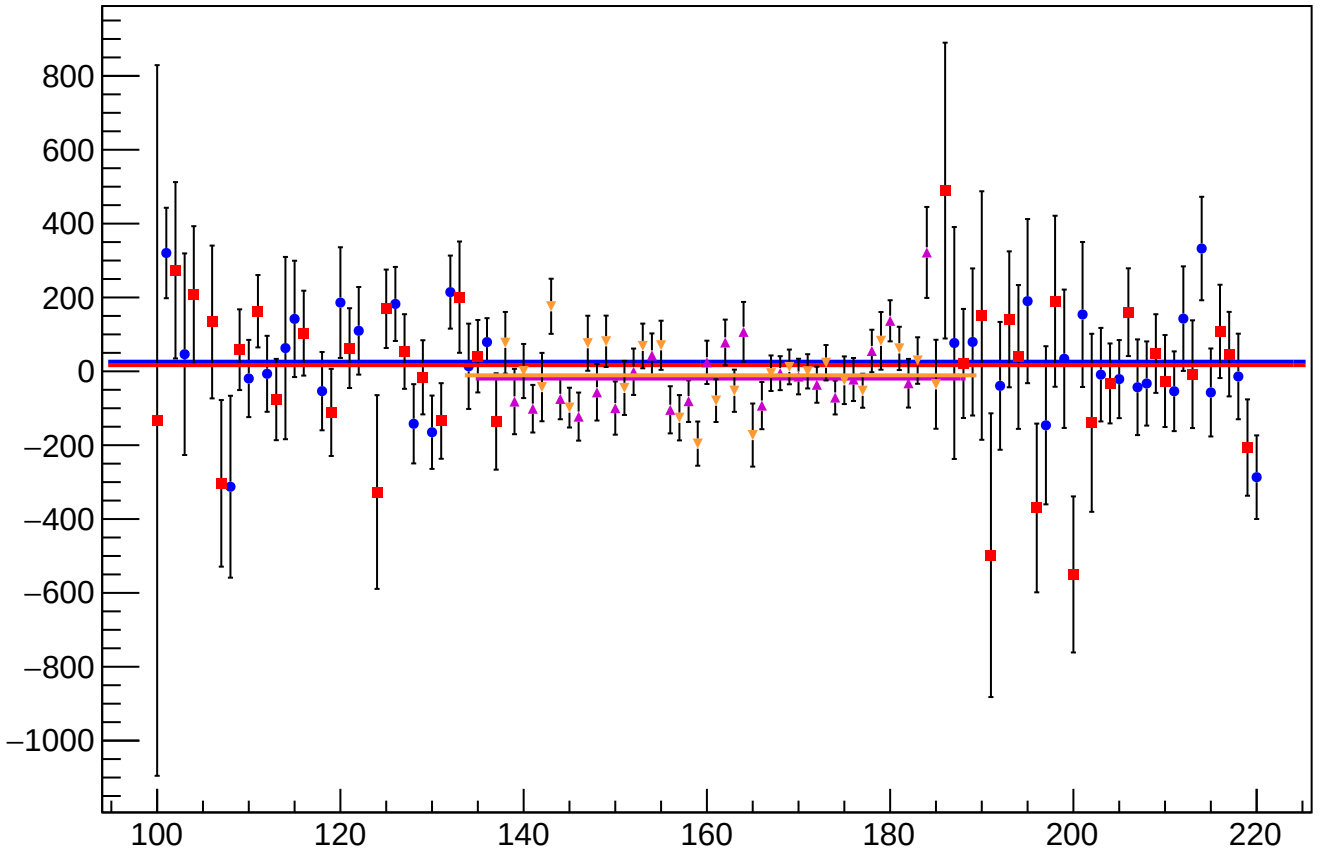
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 743.144+/-0.085 χ^2/NDF: 8030938.0/69

In: 298.063+/-0.040 χ^2/NDF:21318293.4/55

Out: 299.530+/-0.039 χ^2/NDF:22713714.0/61

All: 298.806+/-0.028 χ^2/NDF: 44032700.7/11



Right In: 26.045+/-21.768 χ^2/NDF: 40.6/32

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 16.698+/-22.640 χ^2/NDF: 39.0/36

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

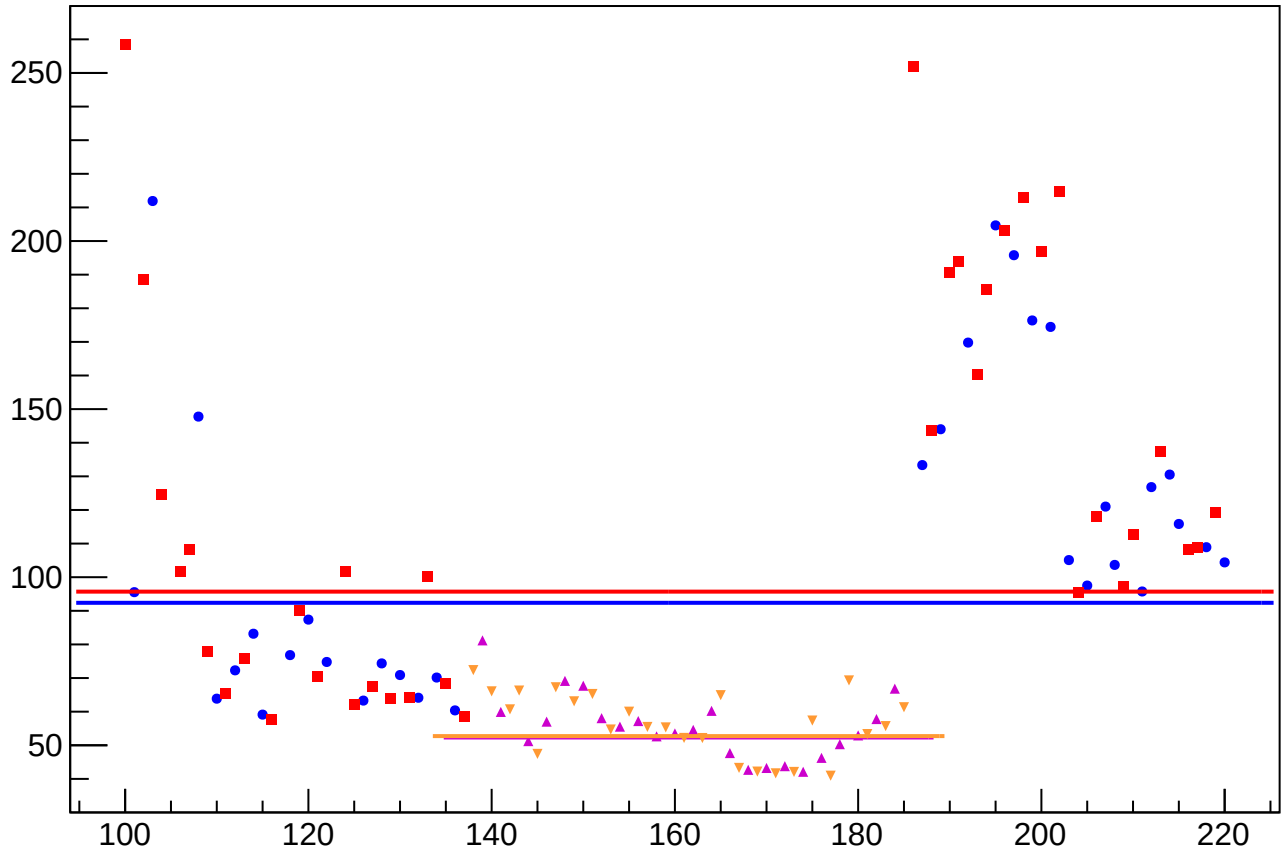
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 21.555+/-15.692 χ^2/NDF: 79.6/69

In: -8.217+/-10.870 χ^2/NDF:80.6/55

Out: -4.546+/-10.812 χ^2/NDF:80.5/61

All: -6.372+/-7.666 χ^2/NDF: 161.2/117



Right In: 92.382+/-0.015 χ^2/NDF: 4784585.8/32

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 95.707+/-0.016 χ^2/NDF: 5892283.4/36

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

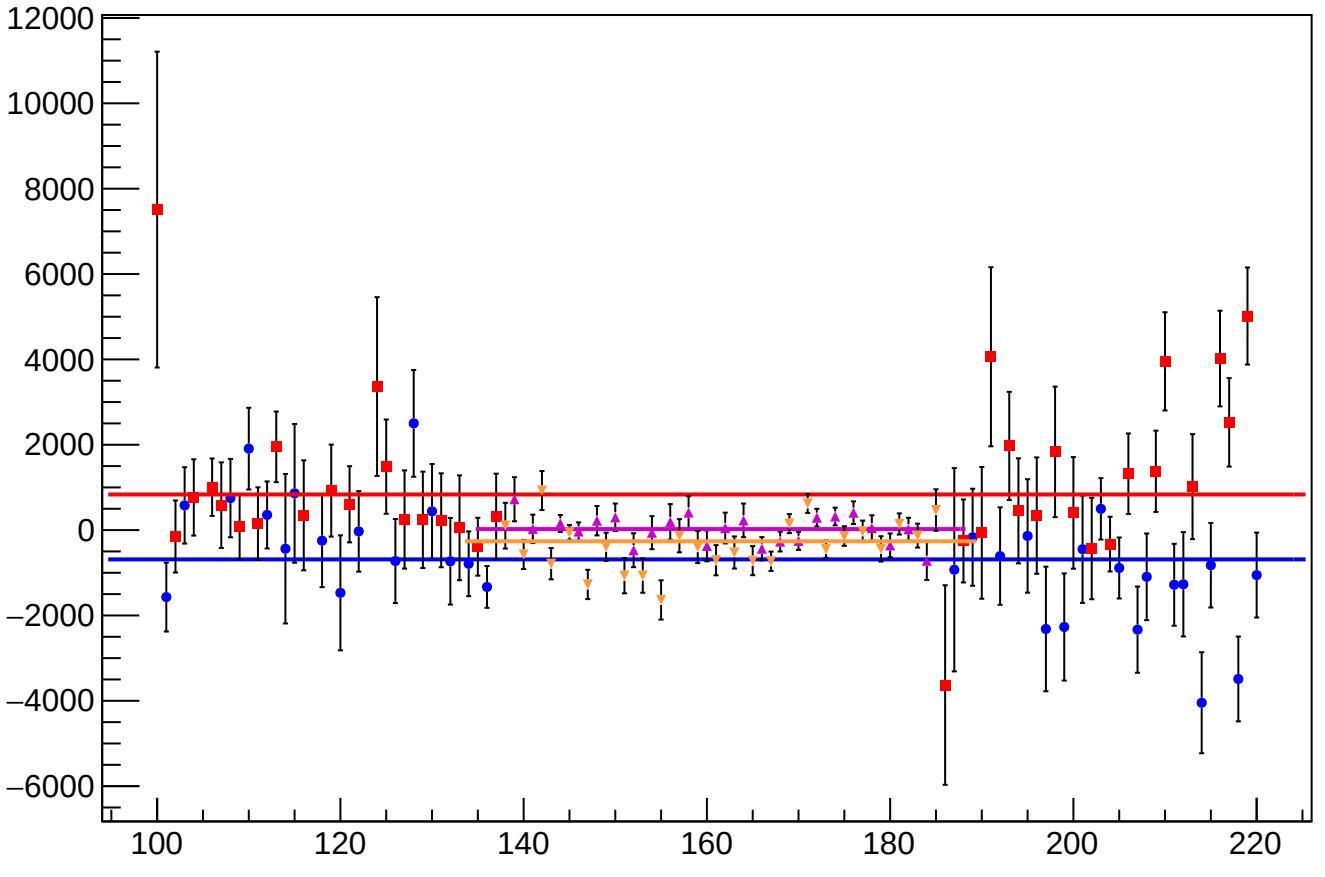
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 93.980+/-0.011 χ^2/NDF: 10699286.6/69

In: 62.304+/-0.008 χ^2/NDF:10763014.0/55

Out: 62.533+/-0.008 χ^2/NDF:12622759.8/61

All: 62.419+/-0.005 χ^2/NDF: 23386217.9/117



Right In: -686.531+/-169.898 χ^2/NDF: 51.6/32

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 834.631+/-170.250 χ^2/NDF: 60.8/36

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

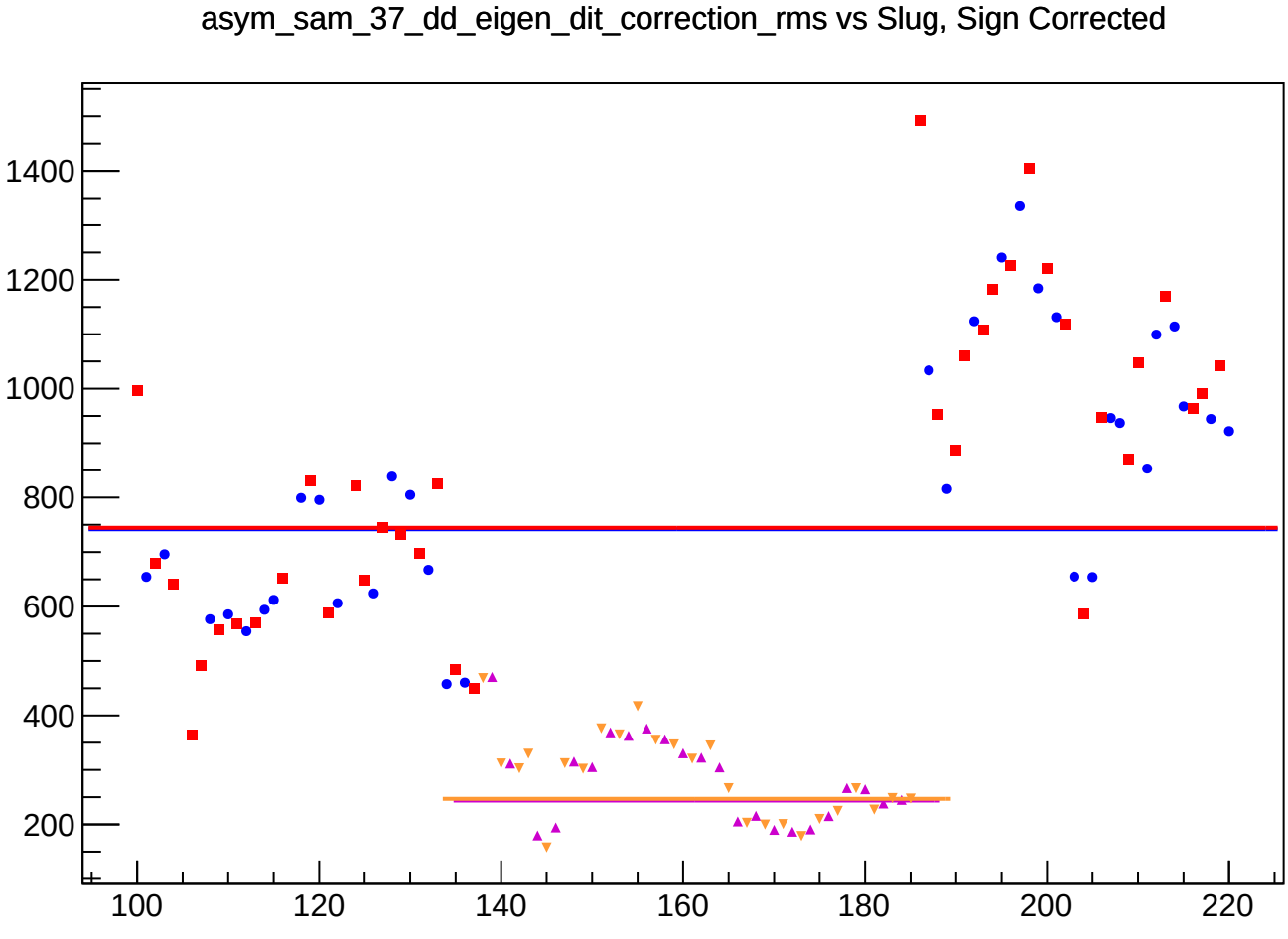
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 72.475+/-120.260 χ^2/NDF: 152.5/69

In: -53.857+/-56.069 χ^2/NDF:91.4/55

Out: -146.712+/-55.326 χ^2/NDF:170.2/61

All: -100.904+/-39.381 χ^2/NDF: 263.0/117



Right In: 741.832+/-0.120 χ^2/NDF: 3515220.7/32

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 744.461+/-0.120 χ^2/NDF: 4515448.2/36

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

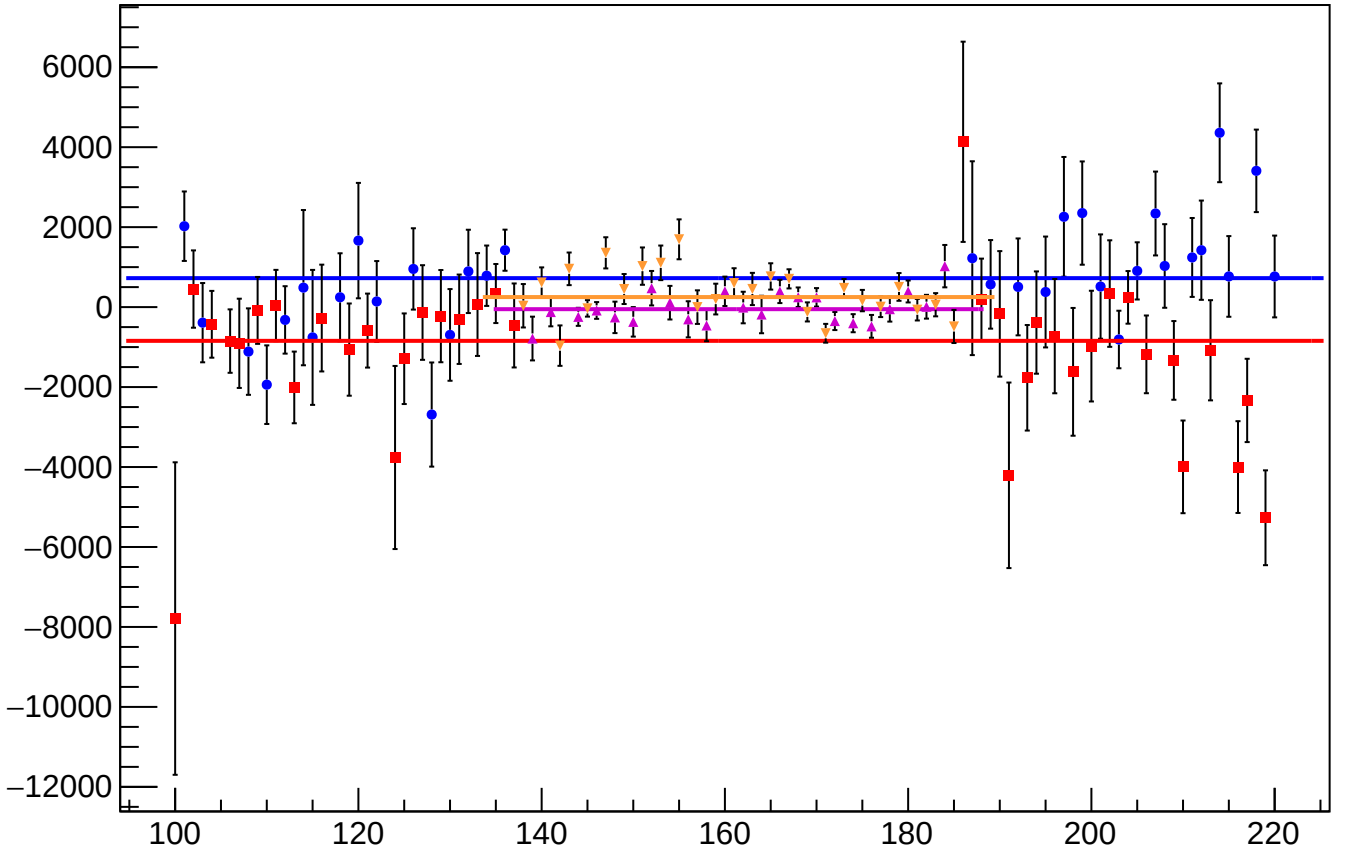
Right: 743.144+/-0.085 χ^2/NDF: 8030907.8/69

In: 298.063+/-0.040 χ^2/NDF:21318293.3/55

Out: 299.530+/-0.039 χ^2/NDF:22713693.3/61

All: 298.806+/-0.028 χ^2/NDF: 44032680.0/1

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 724.505+/-176.628 χ^2/NDF: 53.2/32

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -843.927+/-179.666 χ^2/NDF: 57.8/36

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

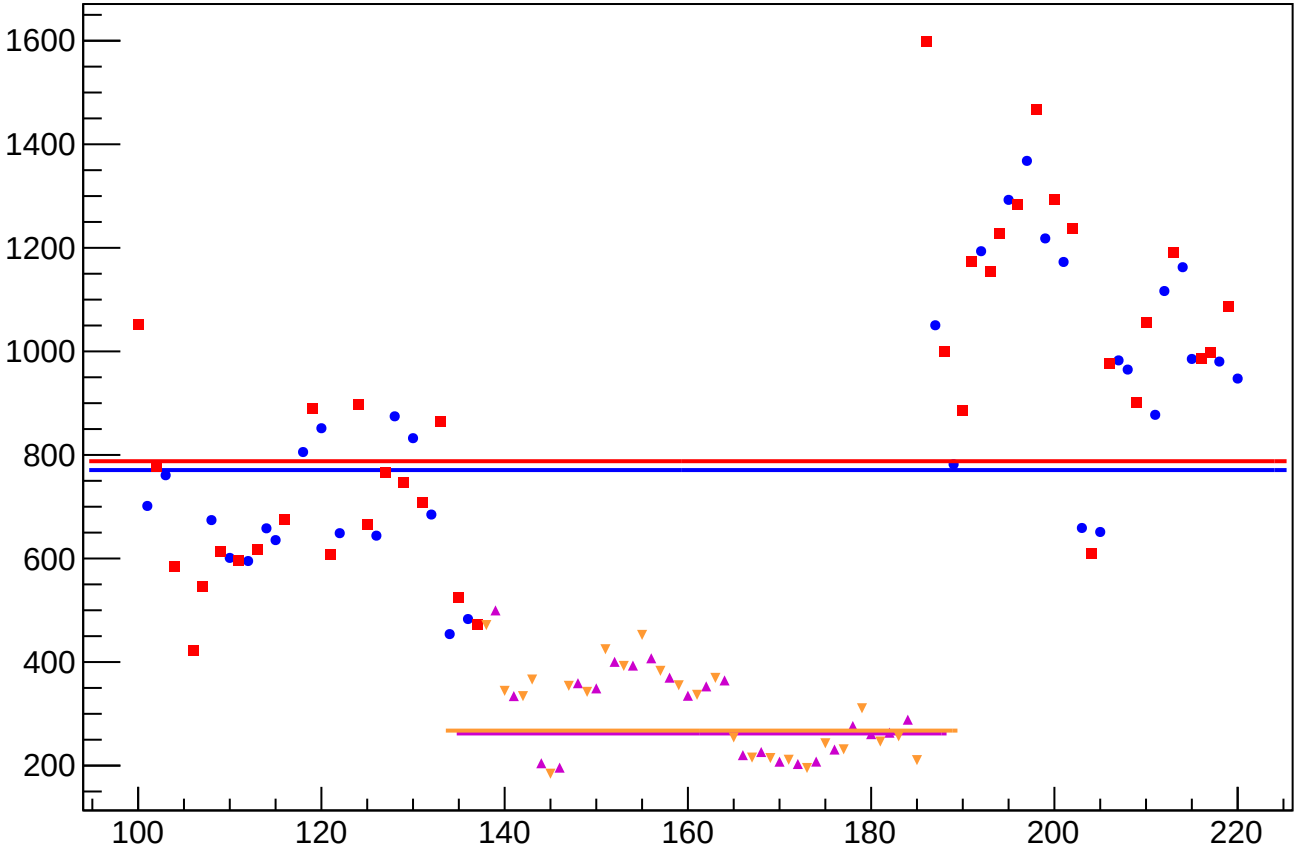
Right: -46.339+/-125.955 χ^2/NDF: 149.8/69

In: 37.987+/-60.041 χ^2/NDF:97.1/55

Out: 129.772+/-59.807 χ^2/NDF:158.4/61

All: 84.059+/-42.372 χ^2/NDF: 256.7/117

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 770.780+/-0.125 χ^2/NDF: 3442552.0/32

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 787.902+/-0.127 χ^2/NDF: 4159107.7/36

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

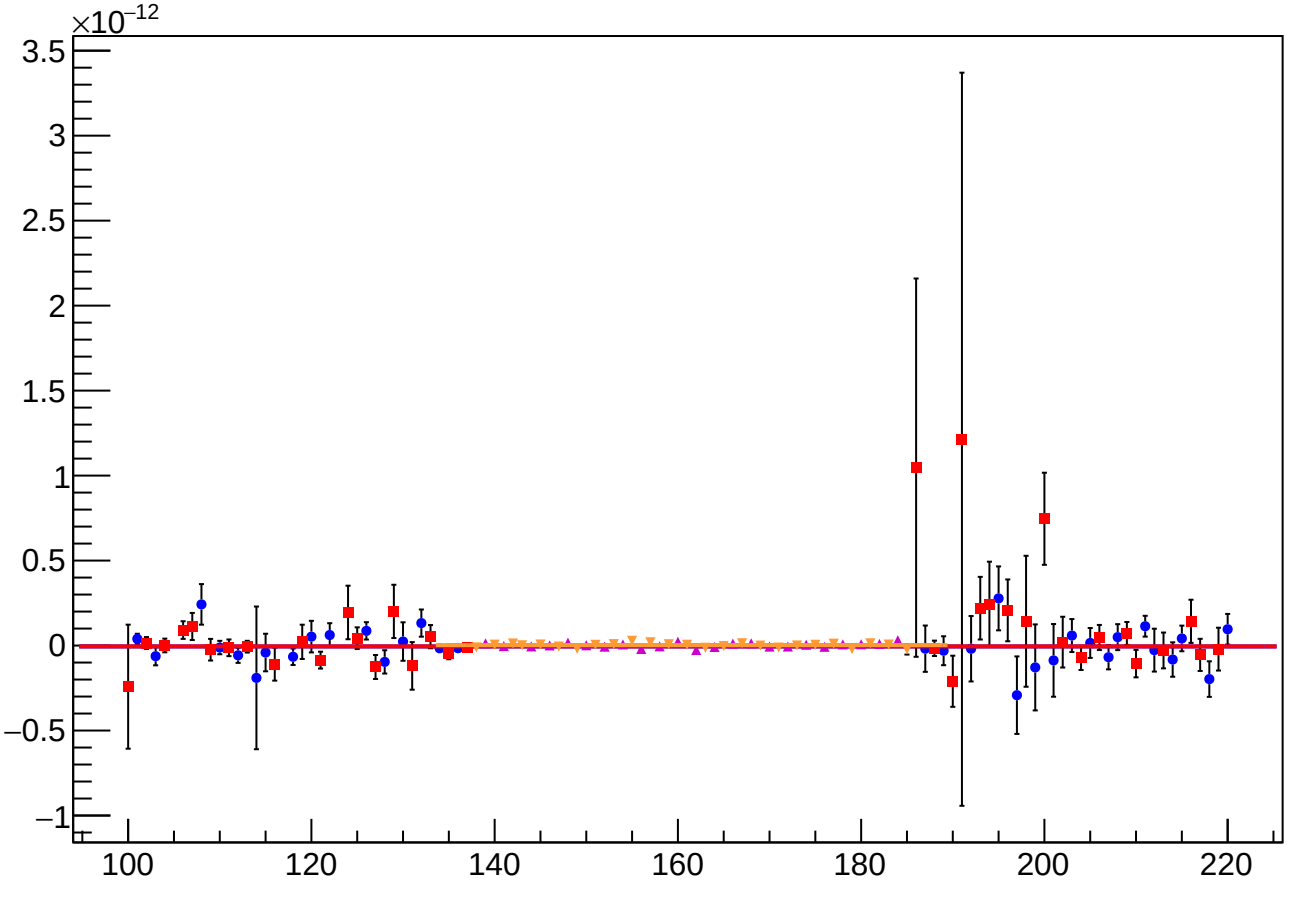
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 779.195+/-0.089 χ^2/NDF: 7610896.2/69

In: 320.873+/-0.042 χ^2/NDF:20651924.6/55

Out: 325.243+/-0.042 χ^2/NDF:21875624.7/61

All: 323.067+/-0.030 χ^2/NDF: 42532868.8/11



Right In: -0.000+/-0.000 χ^2/NDF: 36.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.8/36

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

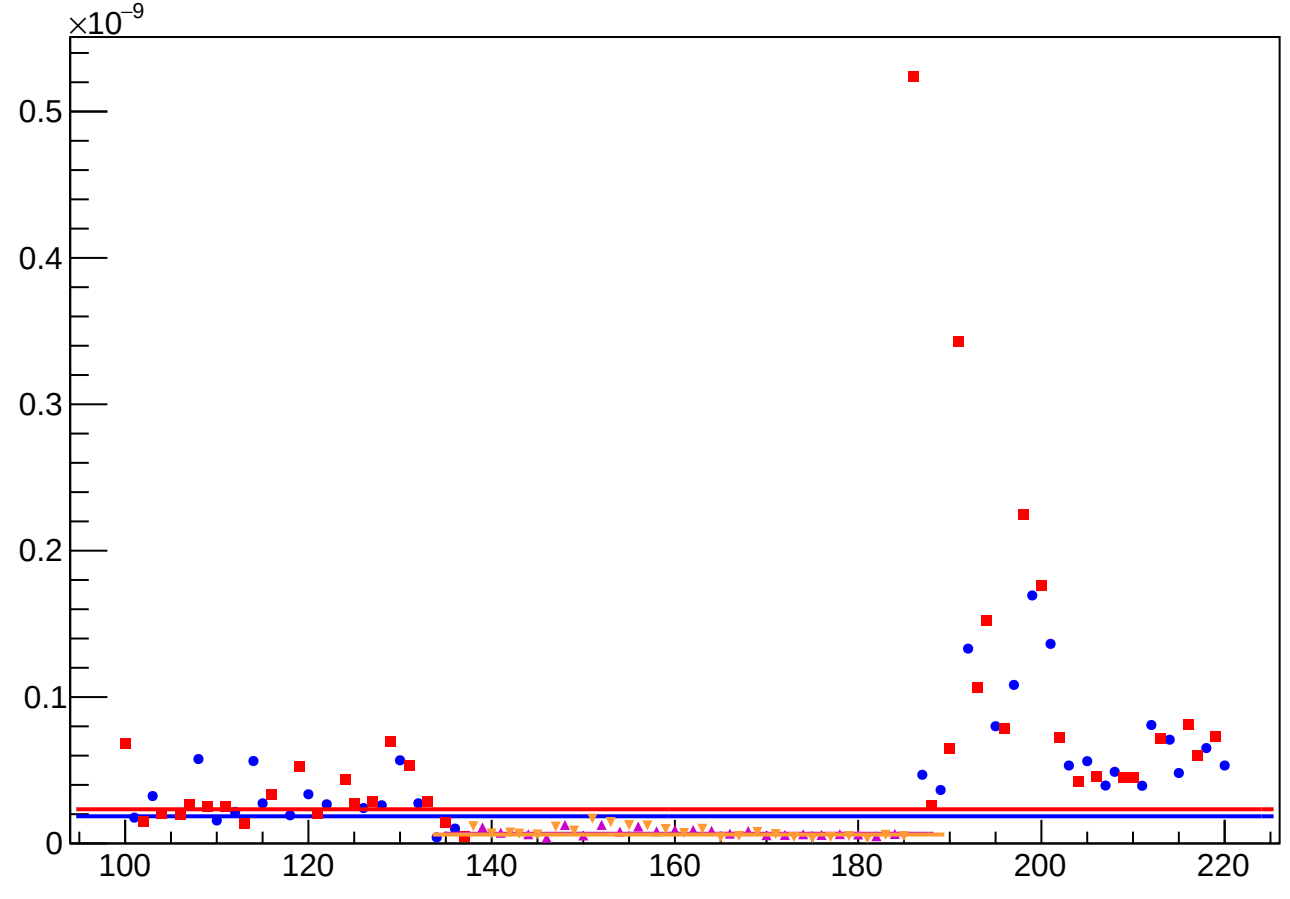
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 77.4/69

In: 0.000+/-0.000 χ^2/NDF:49.3/55

Out: 0.000+/-0.000 χ^2/NDF:56.5/61

All: 0.000+/-0.000 χ^2/NDF: 106.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 8840374.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7483465.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

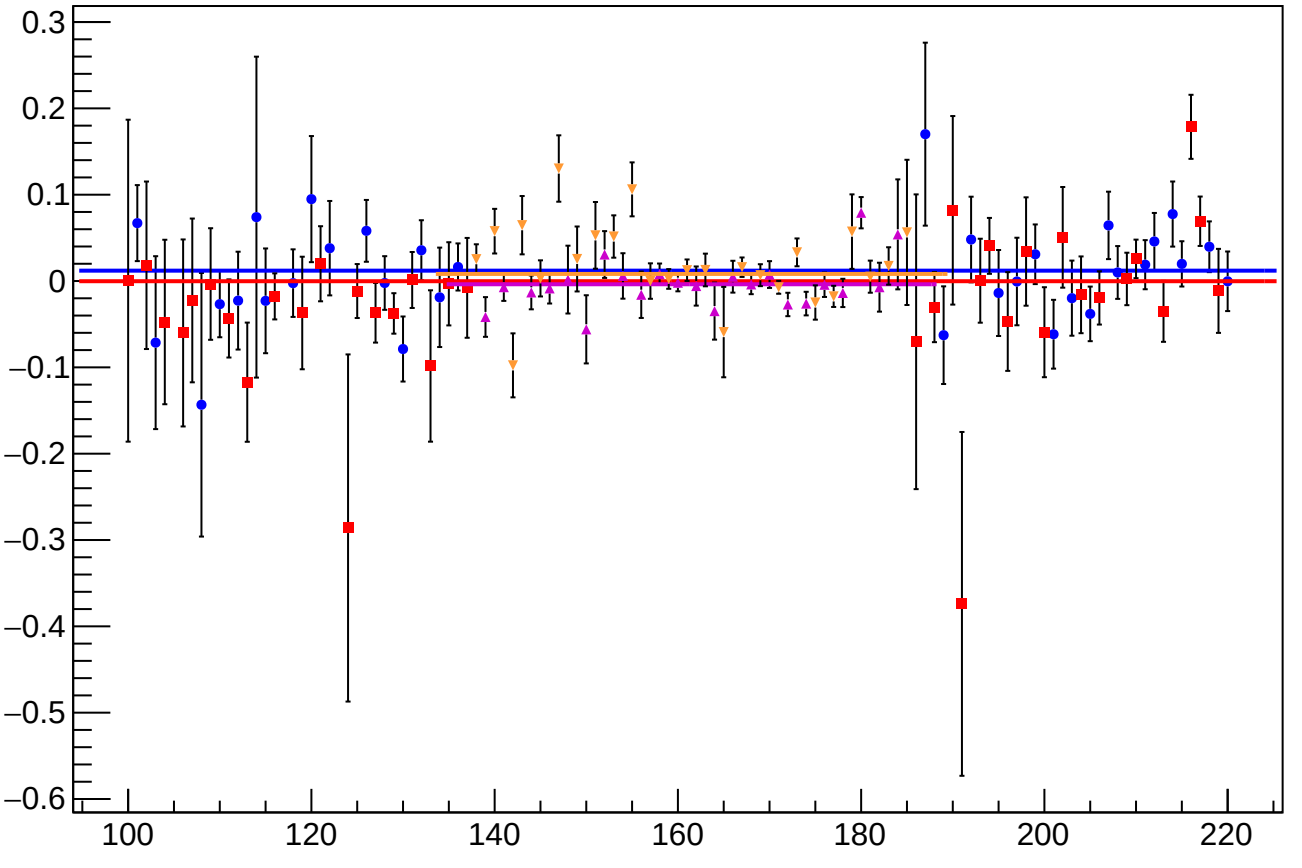
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16572923.3/69

In: 0.000+/-0.000 χ^2/NDF:13429635.1/55

Out: 0.000+/-0.000 χ^2/NDF:15138113.2/61

All: 0.000+/-0.000 χ^2/NDF: 28640088.1/117



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/32

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

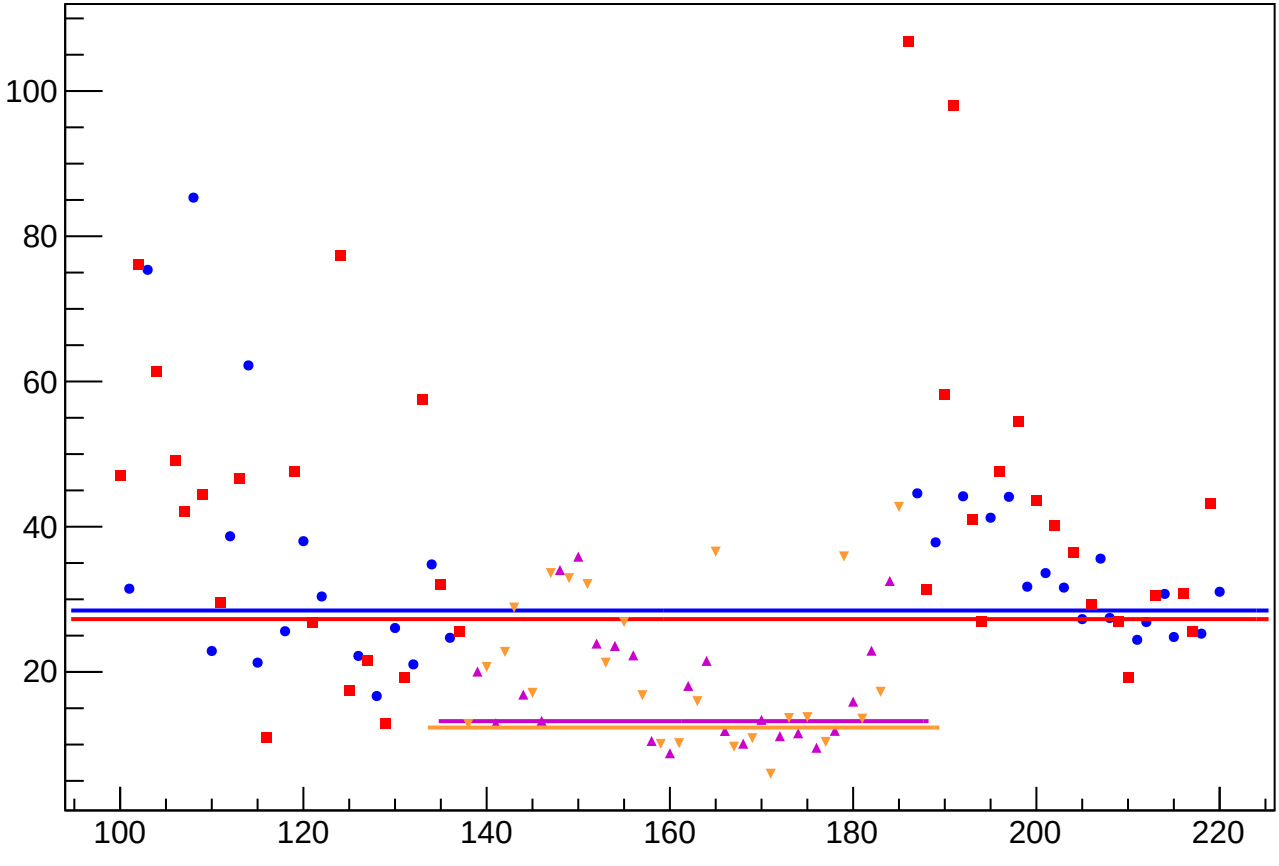
Right: 0.006+/-0.005 χ^2/NDF: 89.3/69

In: -0.000+/-0.003 χ^2/NDF:75.1/55

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.4/117

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.461+/-0.005 χ^2/NDF: 2368373.6/32

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

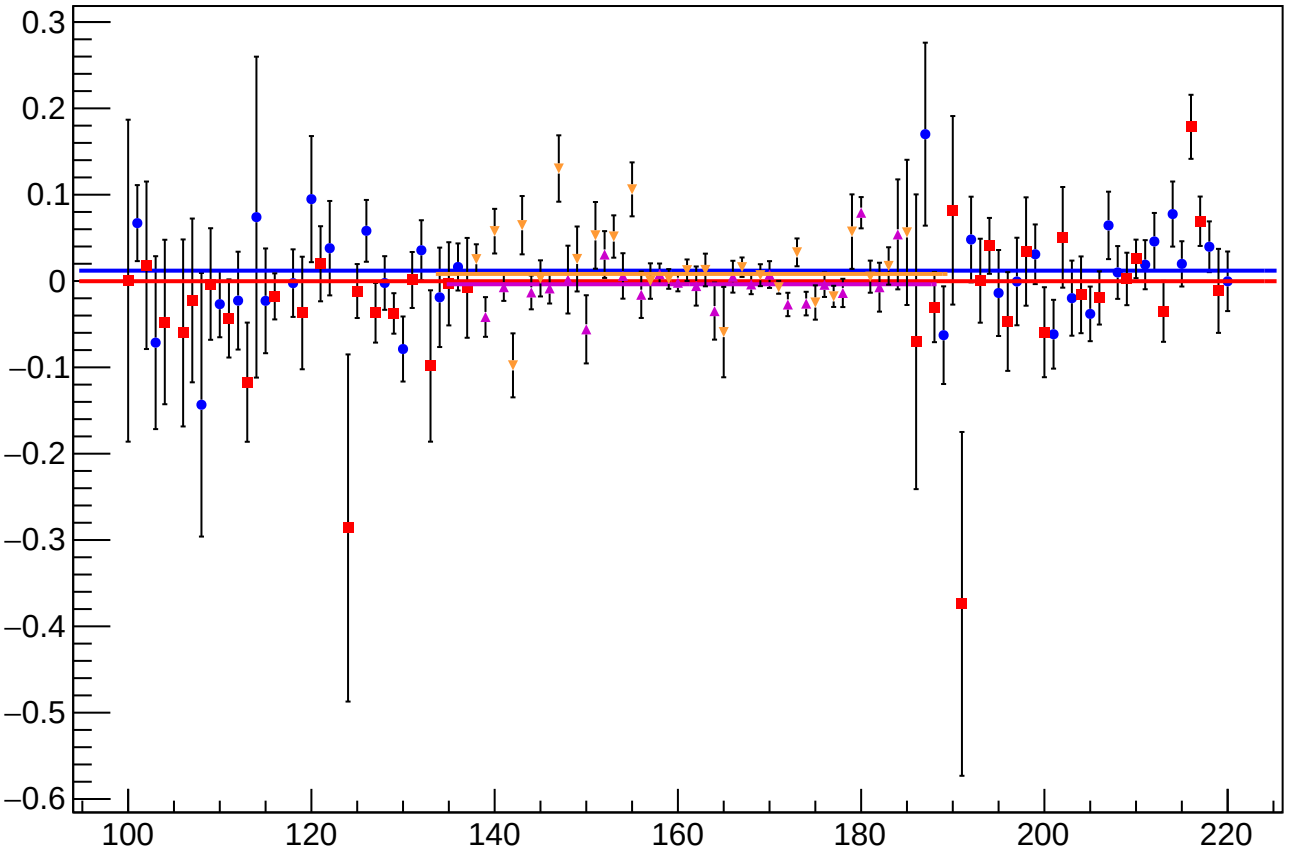
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.875+/-0.003 χ^2/NDF: 8629310.9/69

In: 16.501+/-0.002 χ^2/NDF:13799015.8/55

Out: 15.247+/-0.002 χ^2/NDF:20244214.8/61

All: 15.850+/-0.002 χ^2/NDF: 34200661.0/117



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/32

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

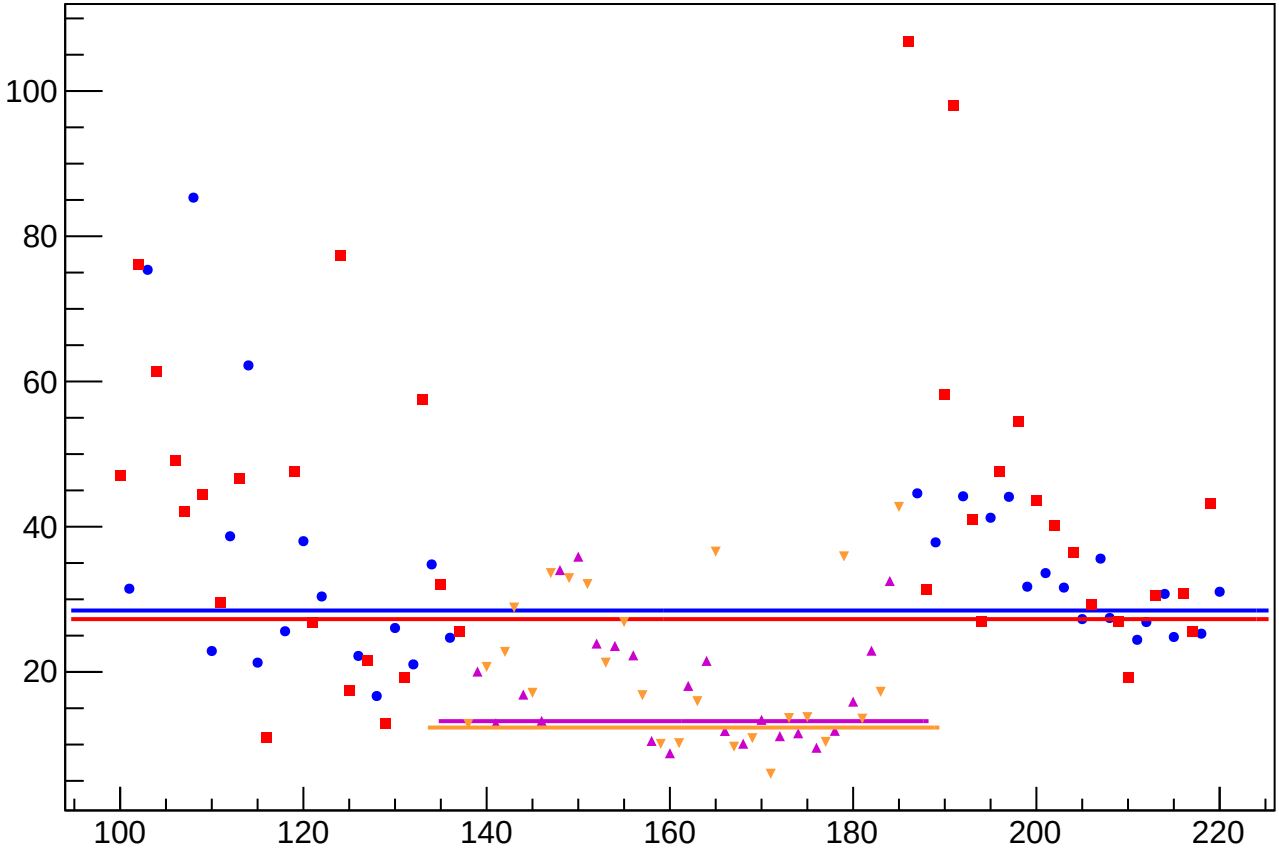
Right: 0.006+/-0.005 χ^2/NDF: 89.3/69

In: -0.000+/-0.003 χ^2/NDF:75.1/55

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.4/117

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.461+/-0.005 χ^2/NDF: 2368373.6/32

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

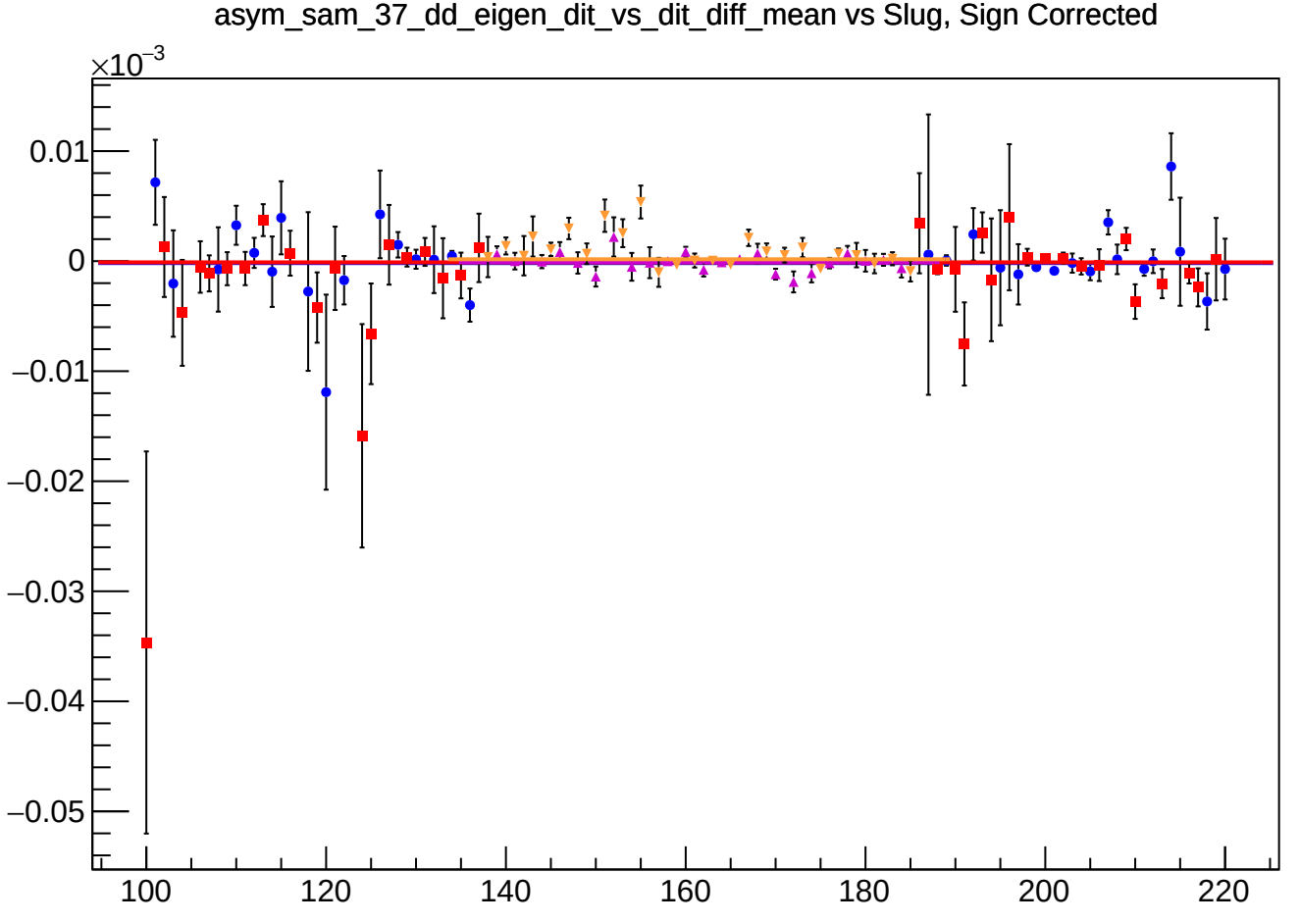
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.875+/-0.003 χ^2/NDF: 8629310.9/69

In: 16.501+/-0.002 χ^2/NDF:13799015.8/55

Out: 15.247+/-0.002 χ^2/NDF:20244214.8/61

All: 15.850+/-0.002 χ^2/NDF: 34200661.0/117



Right In: -0.000+/-0.000 χ^2/NDF: 52.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.2/36

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

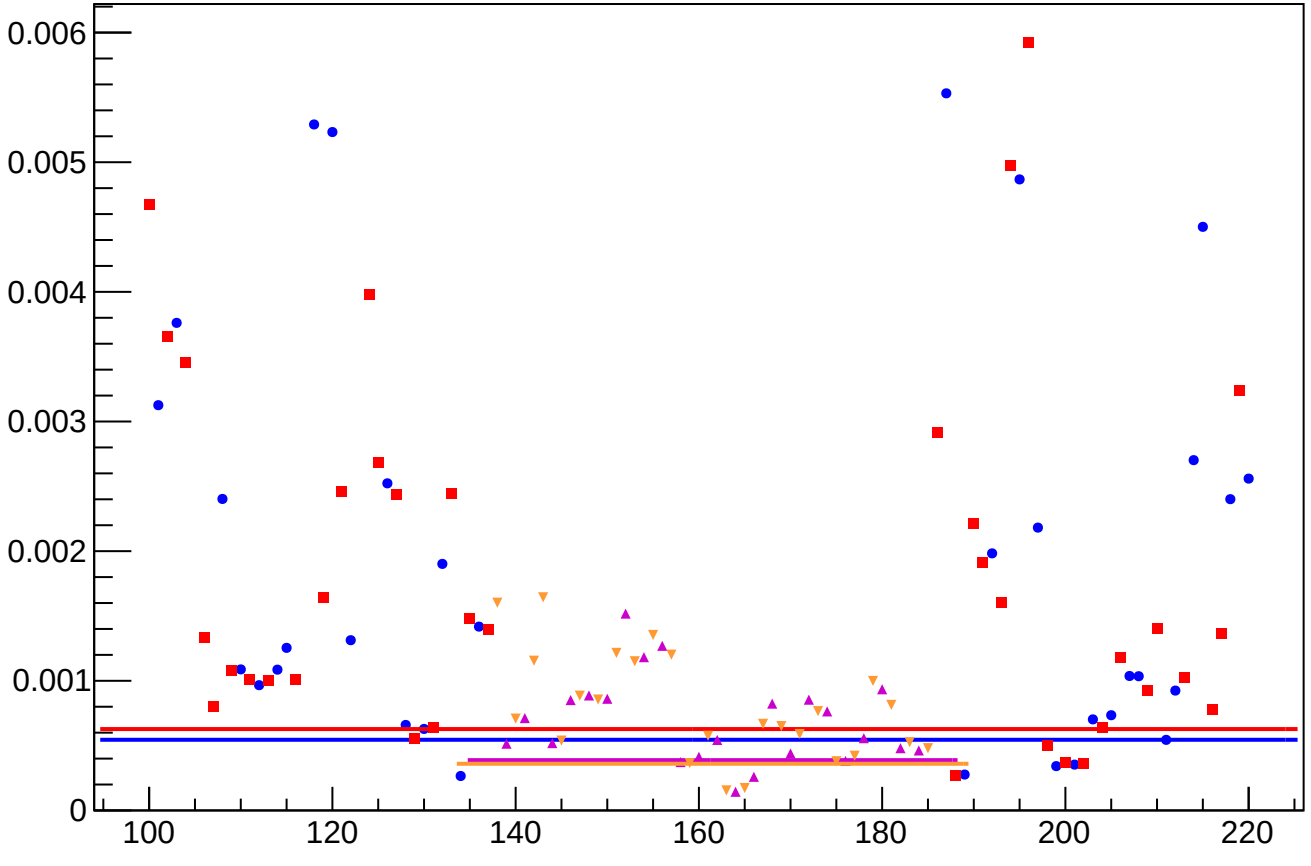
Right: -0.000+/-0.000 χ^2/NDF: 99.1/69

In: -0.000+/-0.000 χ^2/NDF:77.5/55

Out: 0.000+/-0.000 χ^2/NDF:109.3/61

All: -0.000+/-0.000 χ^2/NDF: 189.7/117

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 17120422.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14453562.7/36

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

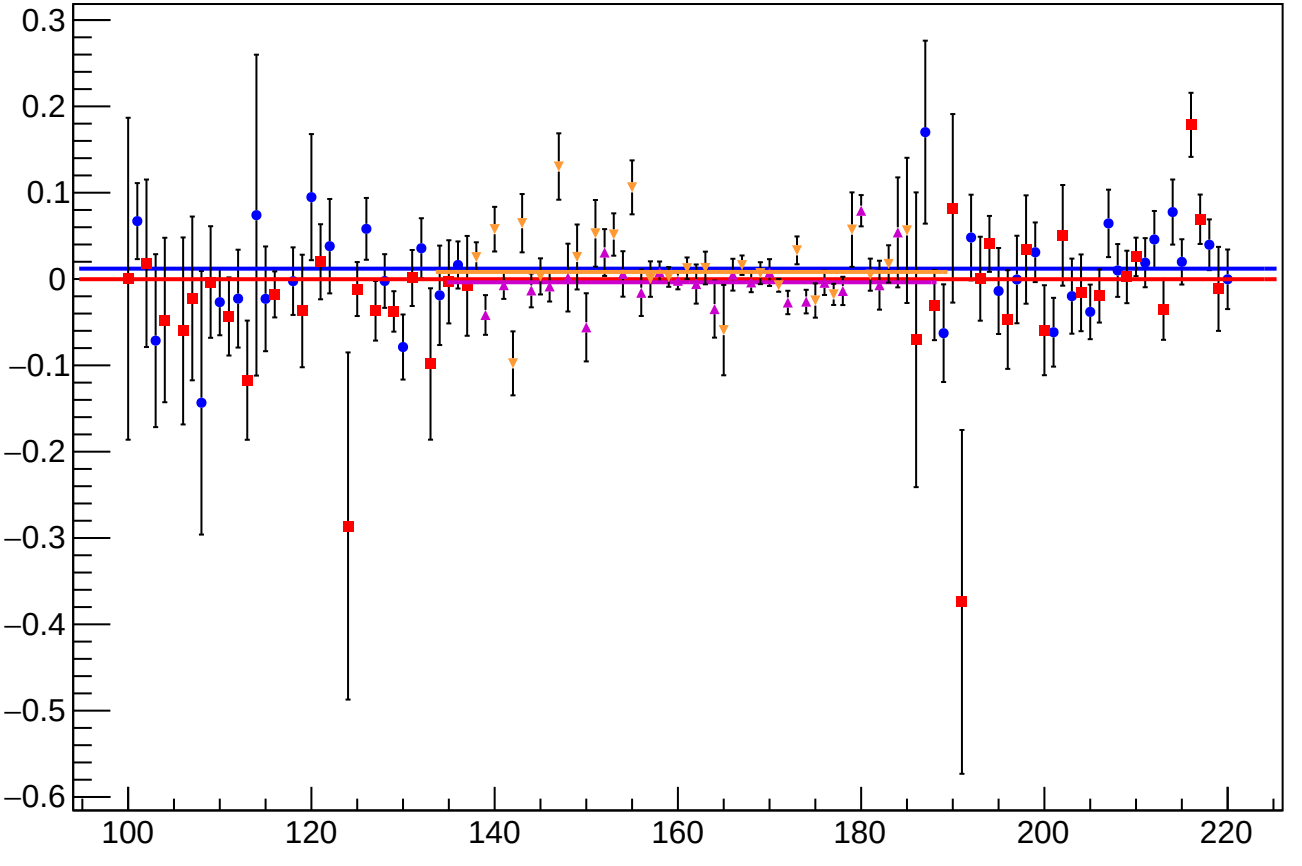
Right: 0.001+/-0.000 χ^2/NDF: 31788322.3/69

In: 0.000+/-0.000 χ^2/NDF:28796157.3/55

Out: 0.000+/-0.000 χ^2/NDF:31540601.9/61

All: 0.000+/-0.000 χ^2/NDF: 60358853.9/117

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/32

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

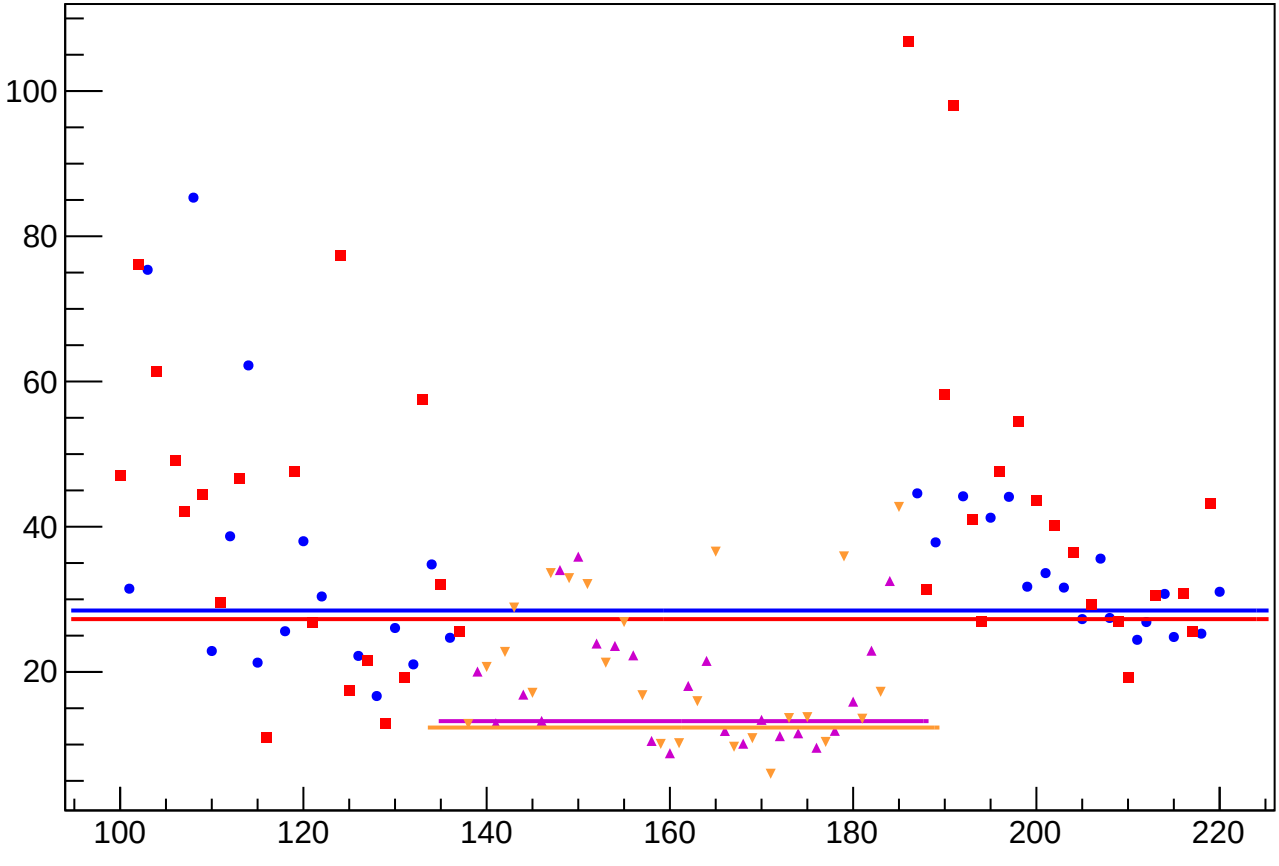
Right: 0.006+/-0.005 χ^2/NDF: 89.3/69

In: -0.000+/-0.003 χ^2/NDF:75.1/55

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.4/117

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.462+/-0.005 χ^2/NDF: 2368245.9/32

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

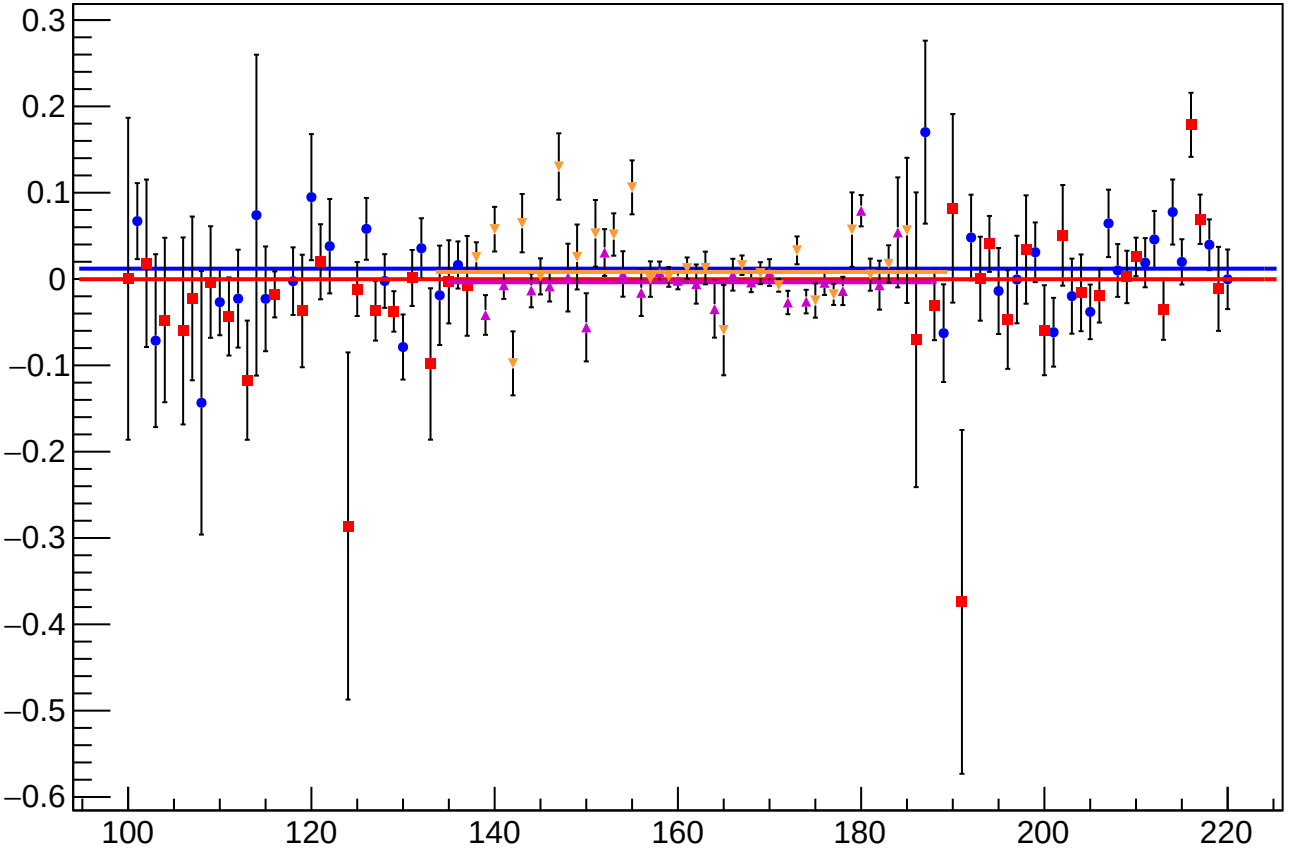
Right: 27.875+/-0.003 χ^2/NDF: 8628880.5/69

In: 16.501+/-0.002 χ^2/NDF:13799299.4/55

Out: 15.247+/-0.002 χ^2/NDF:20244388.0/61

All: 15.850+/-0.002 χ^2/NDF: 34201103.1/117

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/32

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

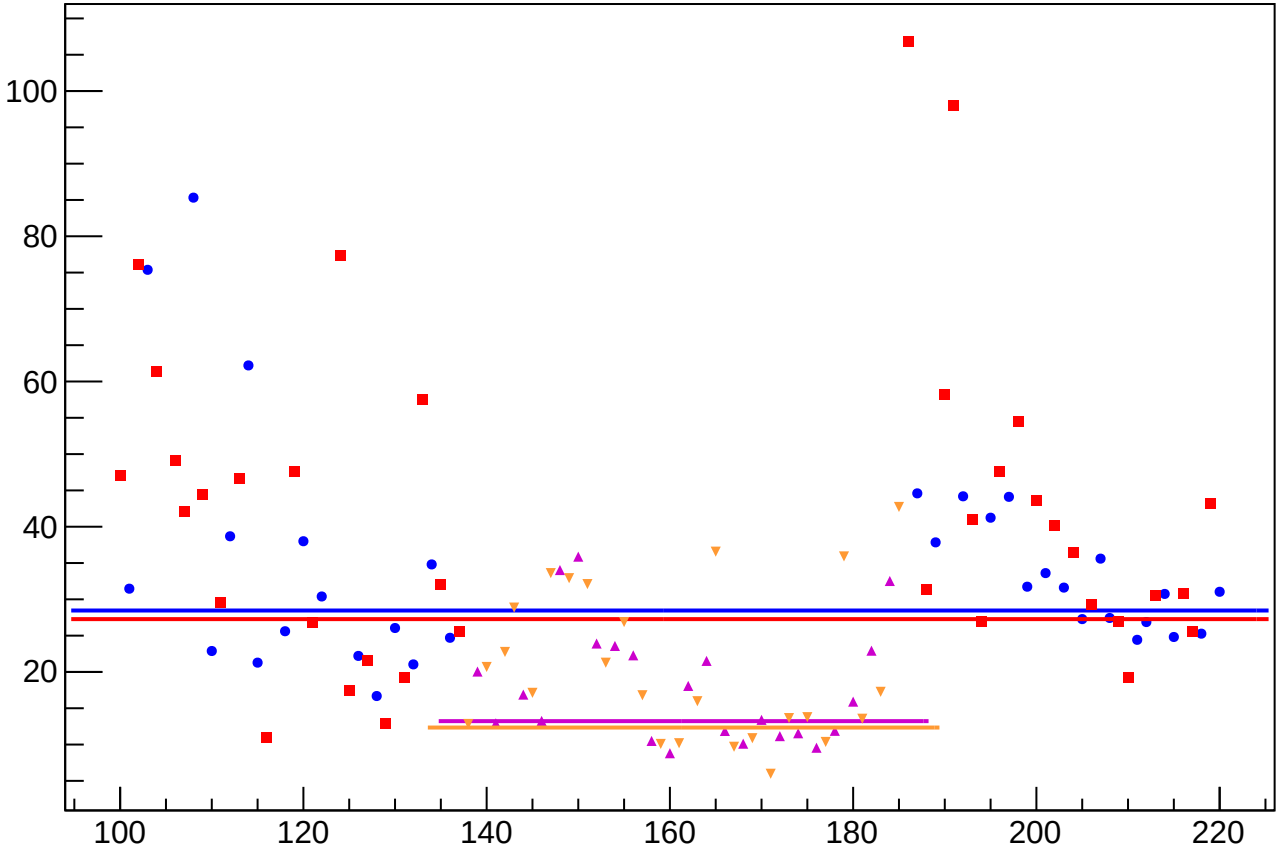
Right: 0.006+/-0.005 χ^2/NDF: 89.3/69

In: -0.000+/-0.003 χ^2/NDF:75.1/55

Out: 0.007+/-0.003 χ^2/NDF:113.9/61

All: 0.003+/-0.002 χ^2/NDF: 191.4/117

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.462+/-0.005 χ^2/NDF: 2368245.9/32

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

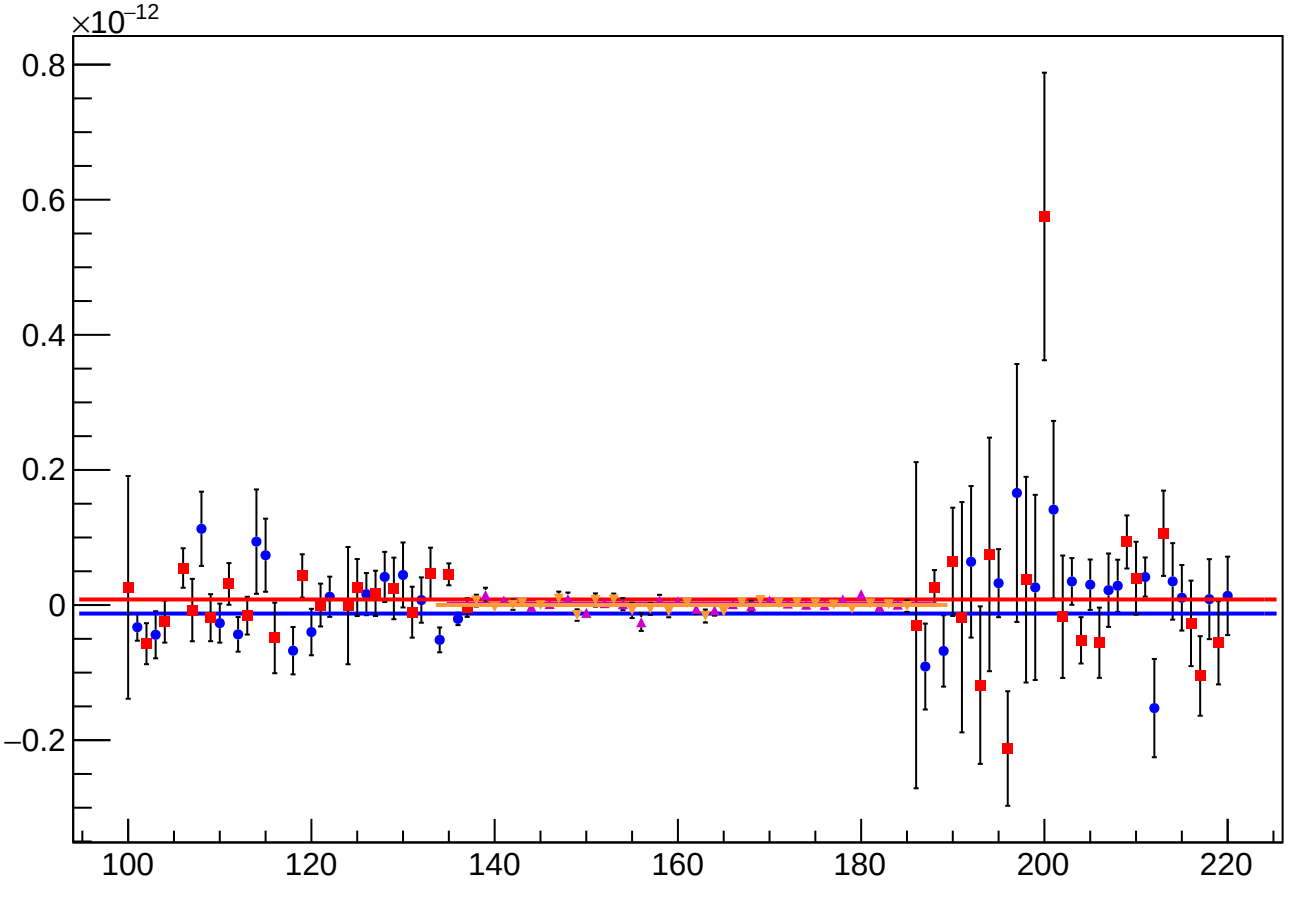
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.875+/-0.003 χ^2/NDF: 8628880.5/69

In: 16.501+/-0.002 χ^2/NDF:13799299.4/55

Out: 15.247+/-0.002 χ^2/NDF:20244388.0/61

All: 15.850+/-0.002 χ^2/NDF: 34201103.1/117



Right In: -0.000+/-0.000 χ^2/NDF: 46.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.9/36

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

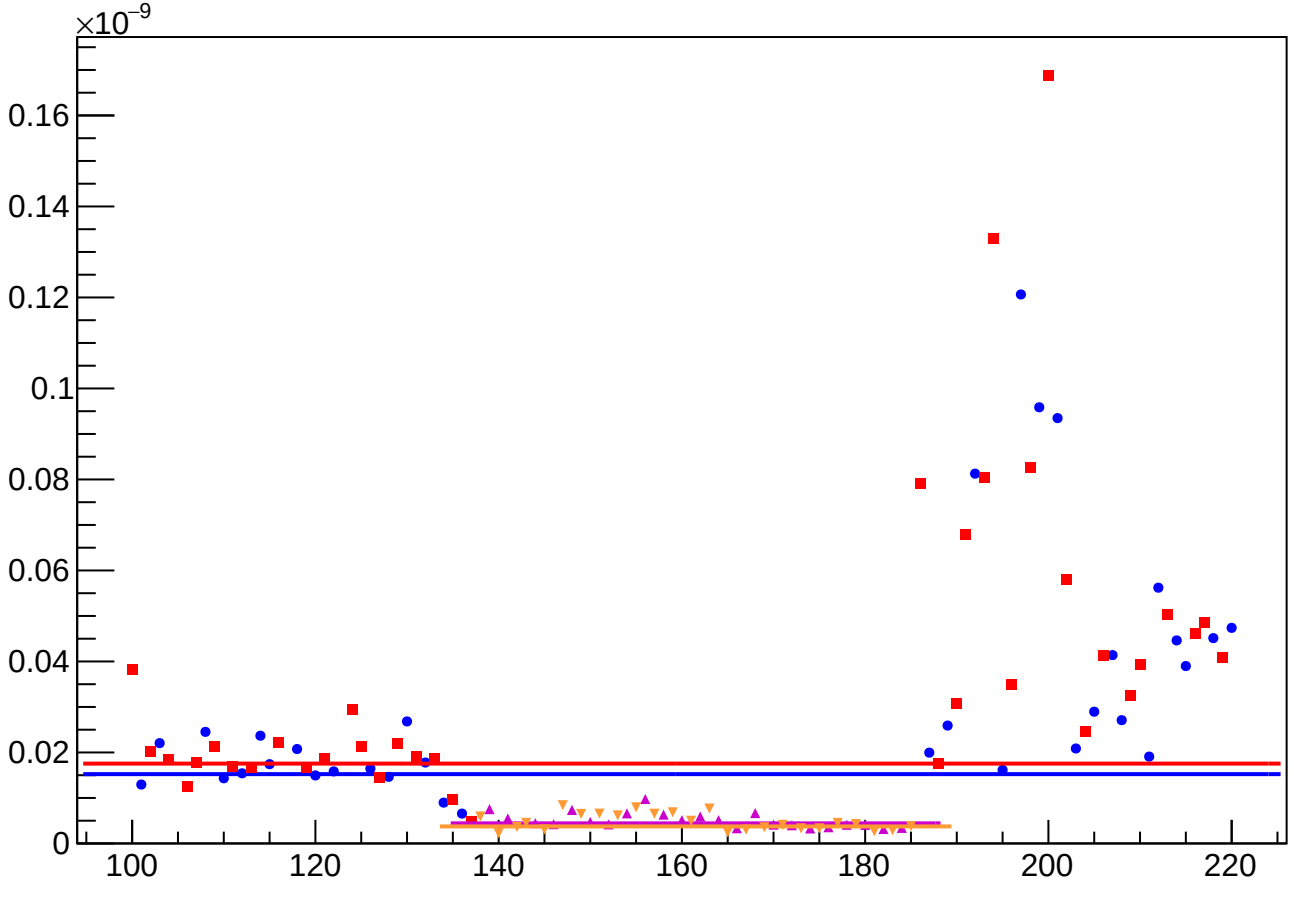
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 106.8/69

In: 0.000+/-0.000 χ^2/NDF:78.5/55

Out: 0.000+/-0.000 χ^2/NDF:77.2/61

All: 0.000+/-0.000 χ^2/NDF: 155.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 8963002.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9005481.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

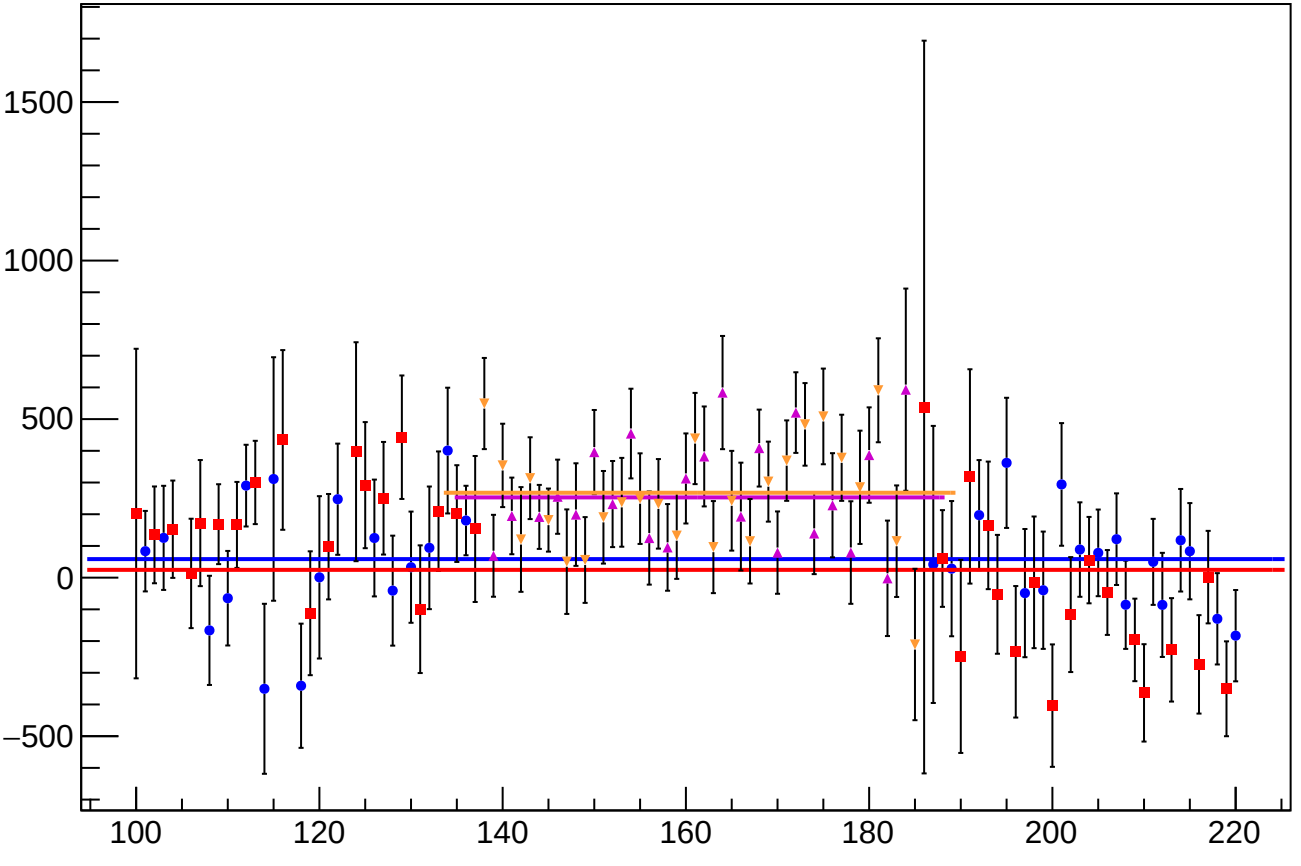
Right: 0.000+/-0.000 χ^2/NDF: 18130464.7/69

In: 0.000+/-0.000 χ^2/NDF:18207598.4/55

Out: 0.000+/-0.000 χ^2/NDF:22089823.3/61

All: 0.000+/-0.000 χ^2/NDF: 40717604.2/117

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 58.482+/-28.921 χ^2/NDF: 30.4/32

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 24.559+/-28.789 χ^2/NDF: 55.3/36

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

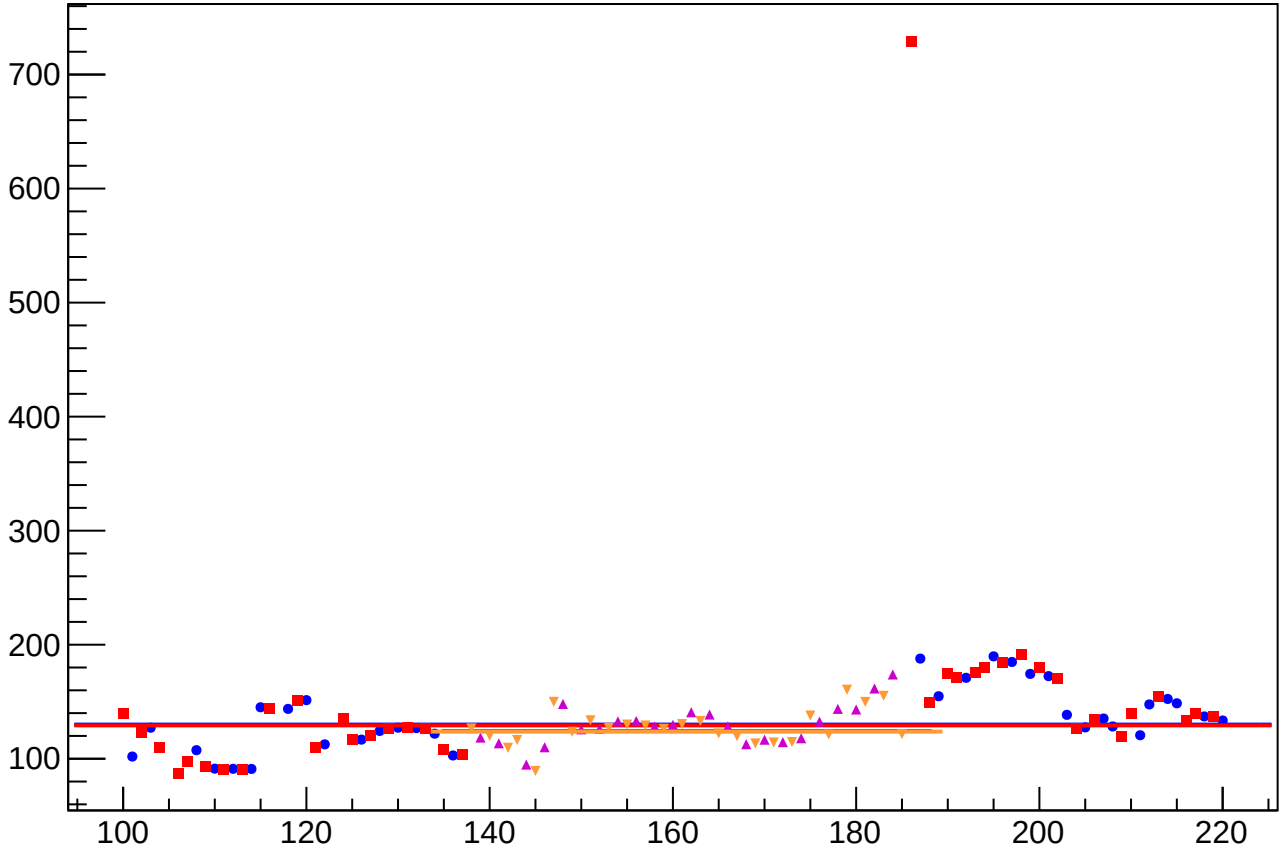
Right: 41.442+/-20.404 χ^2/NDF: 86.3/69

In: 154.457+/-20.588 χ^2/NDF:78.9/55

Out: 147.792+/-20.221 χ^2/NDF:122.4/61

All: 151.065+/-14.426 χ^2/NDF: 201.3/117

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 129.928+/-0.020 χ^2/NDF: 1495925.8/32

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.257+/-0.020 χ^2/NDF: 2404627.4/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

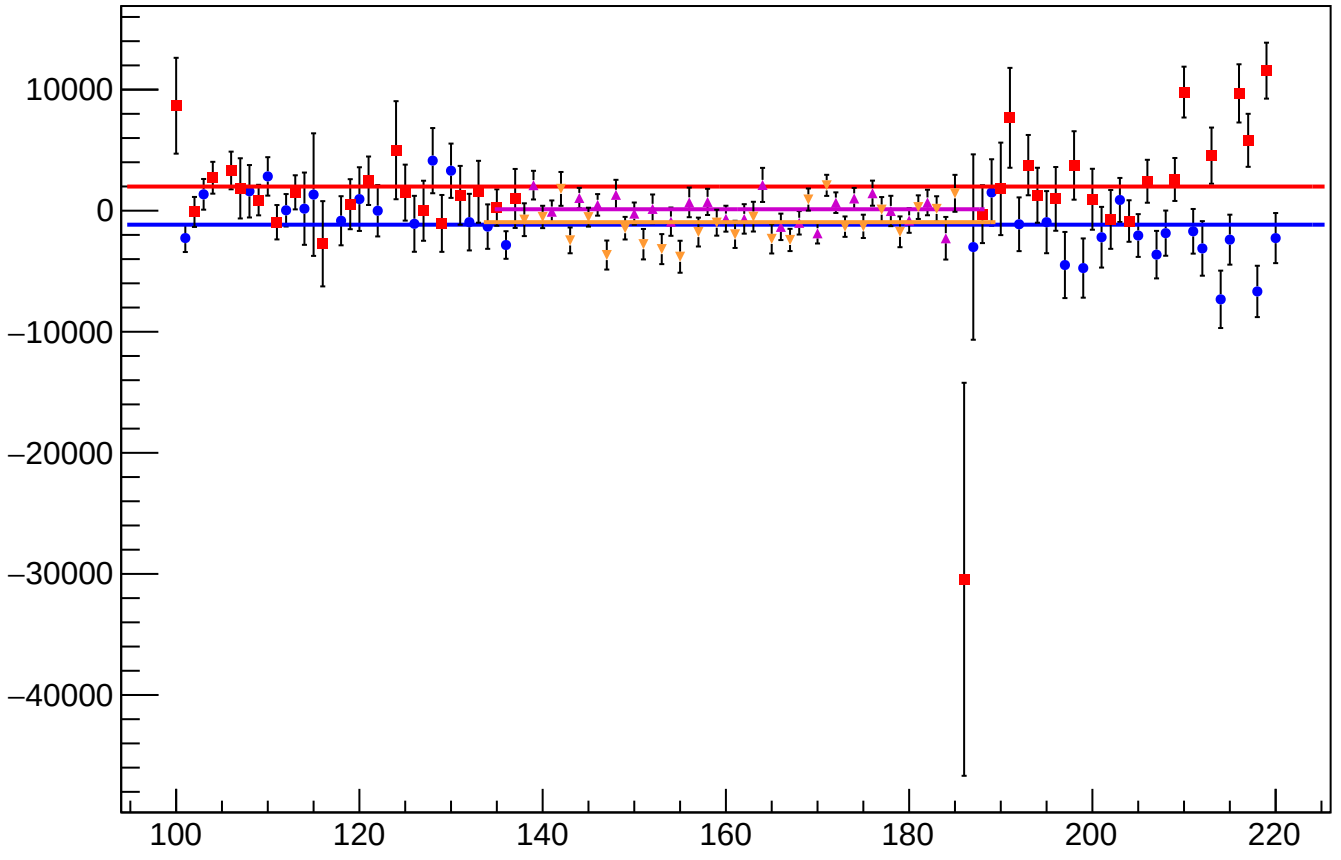
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 129.591+/-0.014 χ^2/NDF: 3901094.7/69

In: 127.132+/-0.015 χ^2/NDF:2091050.8/55

Out: 126.496+/-0.014 χ^2/NDF:3039380.1/61

All: 126.808+/-0.010 χ^2/NDF: 5131402.1/117



Right In: -1156.475+/-341.646 χ^2/NDF: 48.0/32

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1993.346+/-337.041 χ^2/NDF: 76.6/36

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

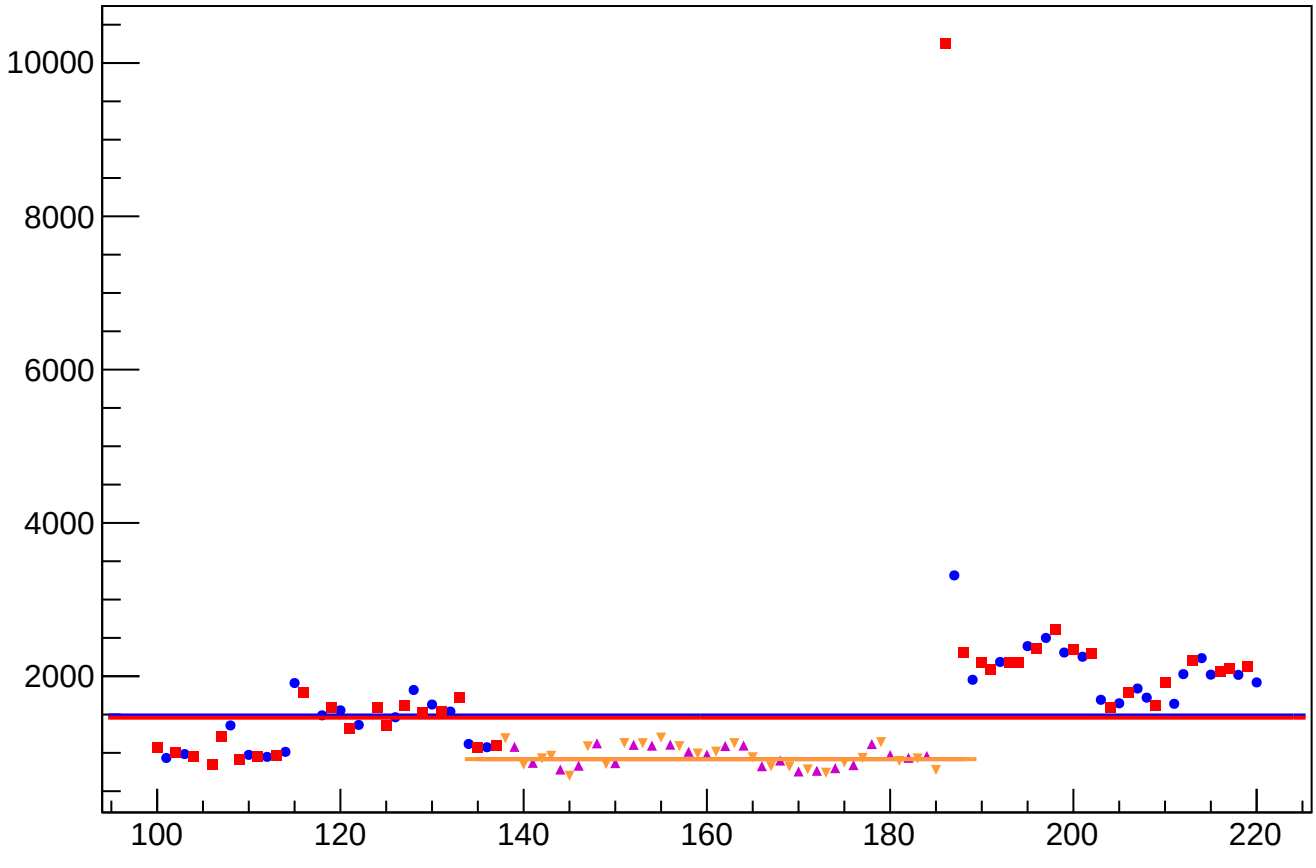
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 439.810+/-239.935 χ^2/NDF: 167.7/69

In: -248.449+/-183.274 χ^2/NDF:82.3/55

Out: -115.132+/-179.327 χ^2/NDF:181.5/61

All: -180.340+/-128.176 χ^2/NDF: 264.0/117



Right In: 1487.840+/-0.242 χ^2/NDF: 3891295.8/32

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1459.192+/-0.238 χ^2/NDF: 5294077.0/36

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

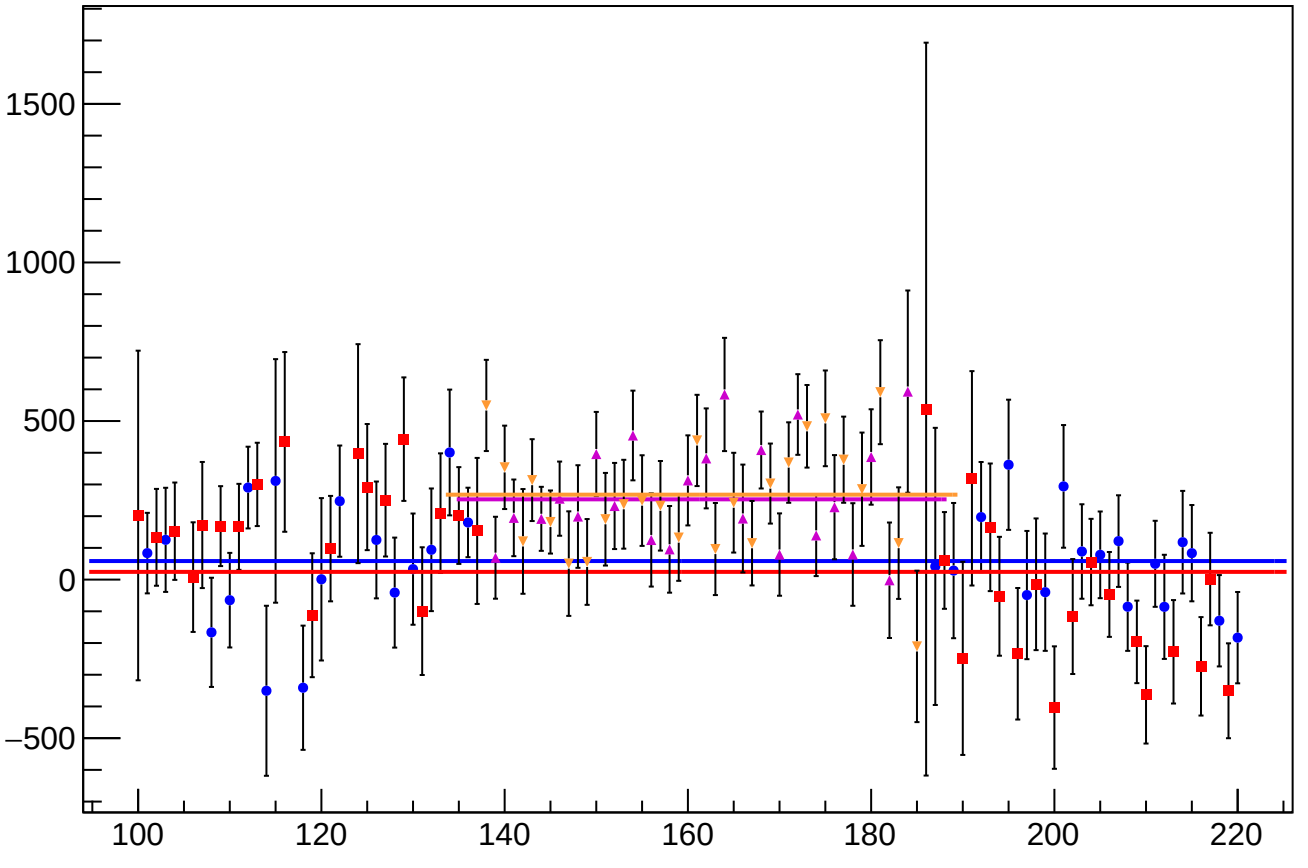
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1473.321+/-0.170 χ^2/NDF: 9192499.5/69

In: 1082.136+/-0.130 χ^2/NDF:8517375.4/55

Out: 1071.566+/-0.127 χ^2/NDF:9871906.5/61

All: 1076.736+/-0.091 χ^2/NDF: 18392680.7/1



Right In: 58.477+/-28.921 χ^2/NDF: 30.4/32

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 24.349+/-28.791 χ^2/NDF: 55.2/36

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

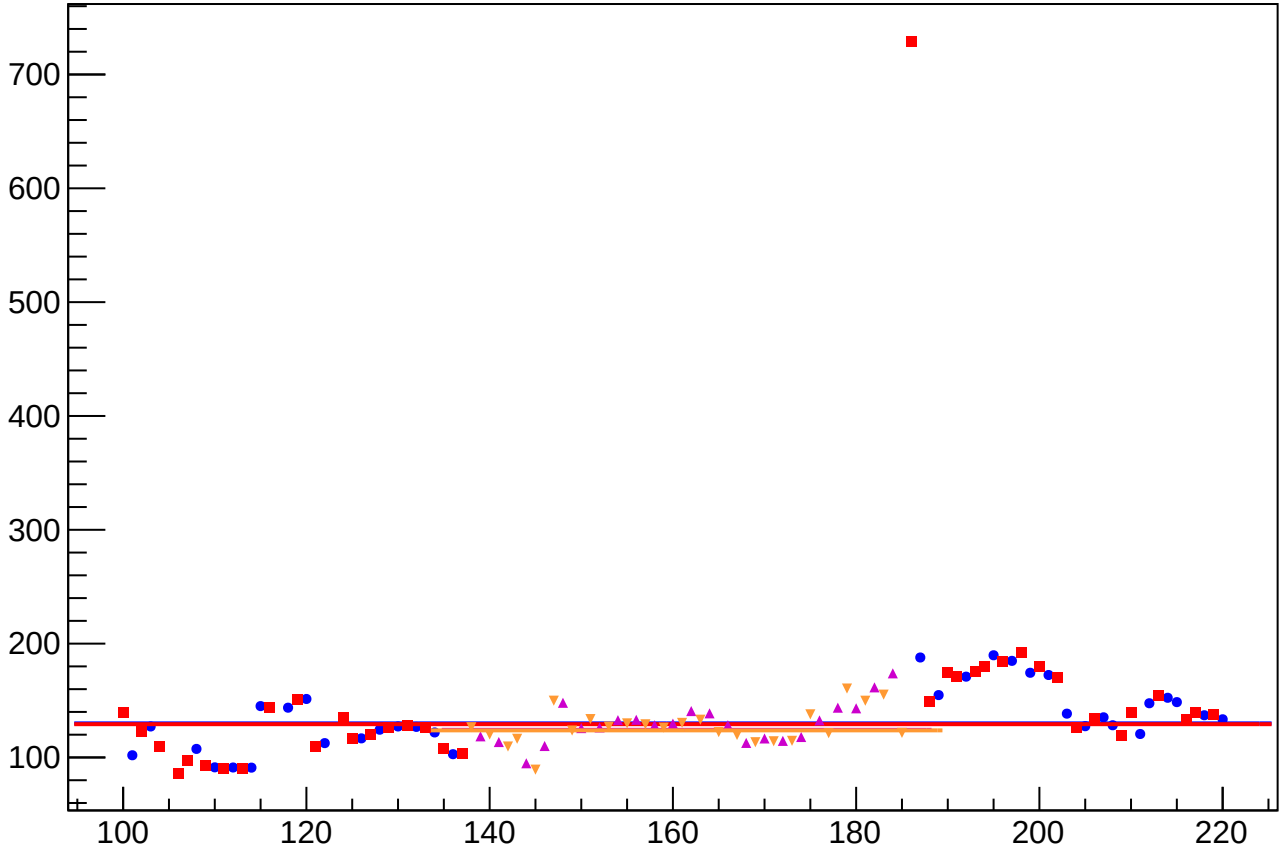
Right: 41.335+/-20.404 χ^2/NDF: 86.3/69

In: 154.456+/-20.588 χ^2/NDF:78.9/55

Out: 147.701+/-20.221 χ^2/NDF:122.5/61

All: 151.018+/-14.426 χ^2/NDF: 201.4/117

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 129.928+/-0.020 χ^2/NDF: 1495925.6/32

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

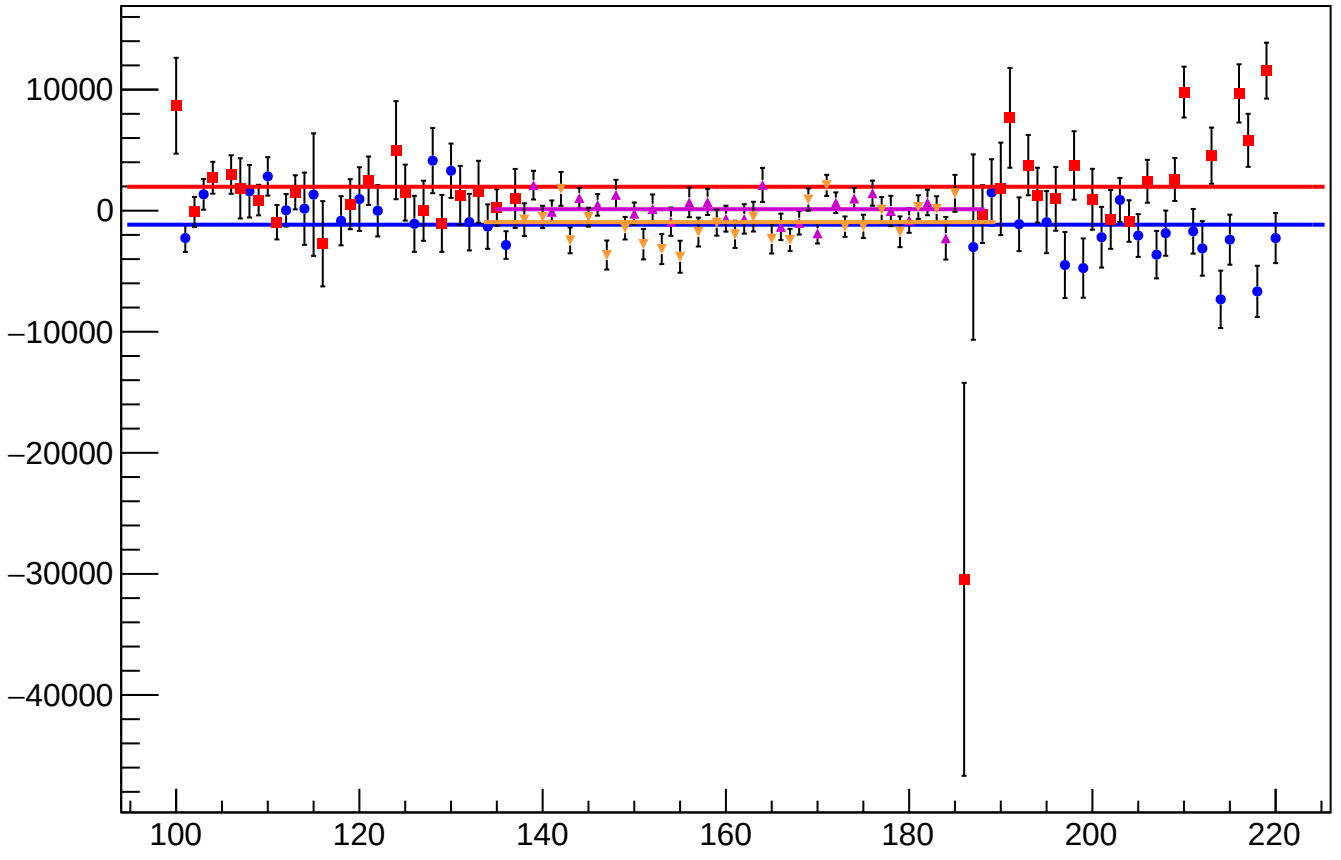
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.578+/-0.014 χ^2/NDF: 3907202.5/69

In: 127.132+/-0.015 χ^2/NDF:2091050.9/55

Out: 126.483+/-0.014 χ^2/NDF:3045106.0/61

All: 126.802+/-0.010 χ^2/NDF: 5137167.3/117



Right In: -1156.534+/-341.648 χ^2/NDF: 48.0/32

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1975.788+/-337.412 χ^2/NDF: 76.2/36

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

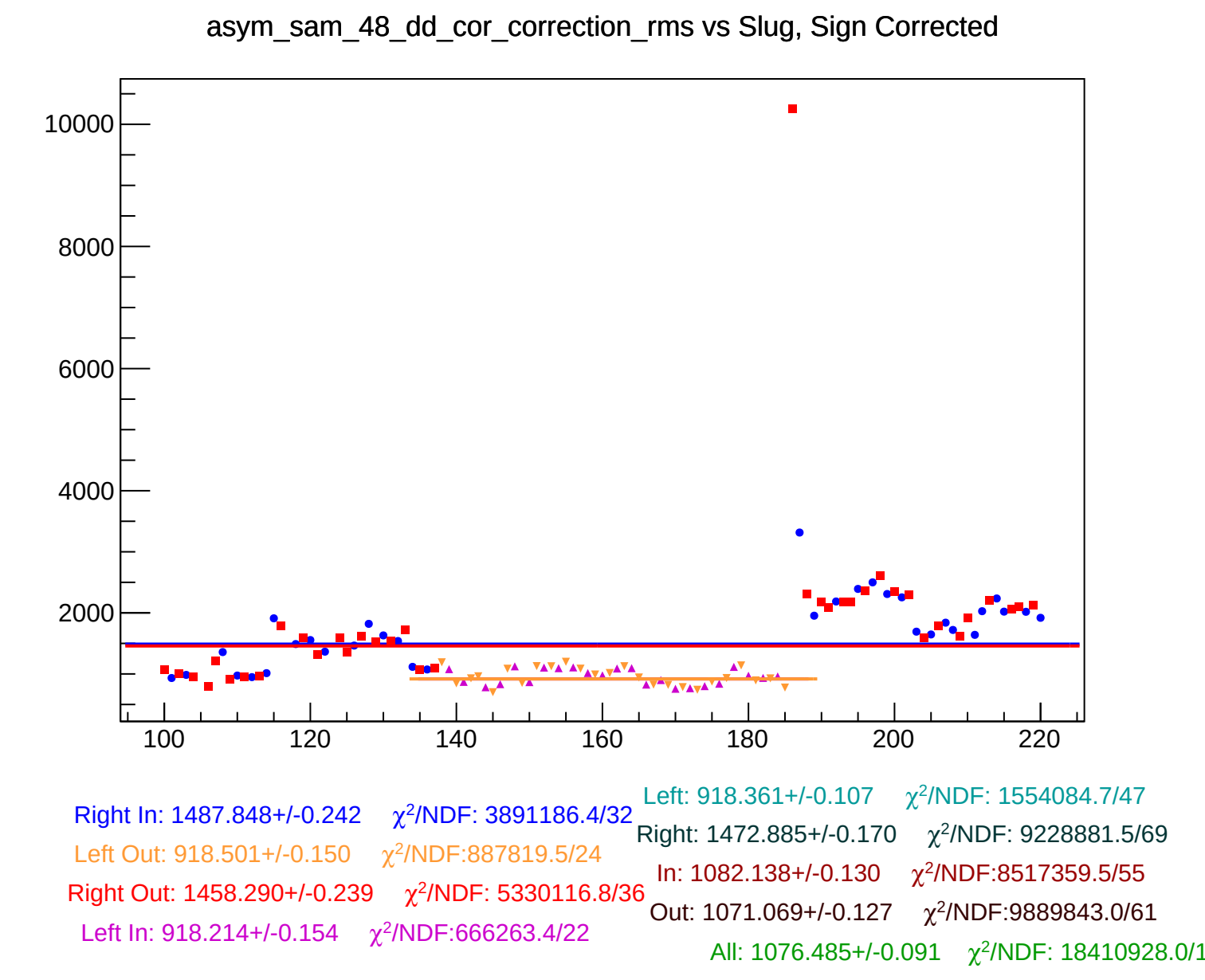
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

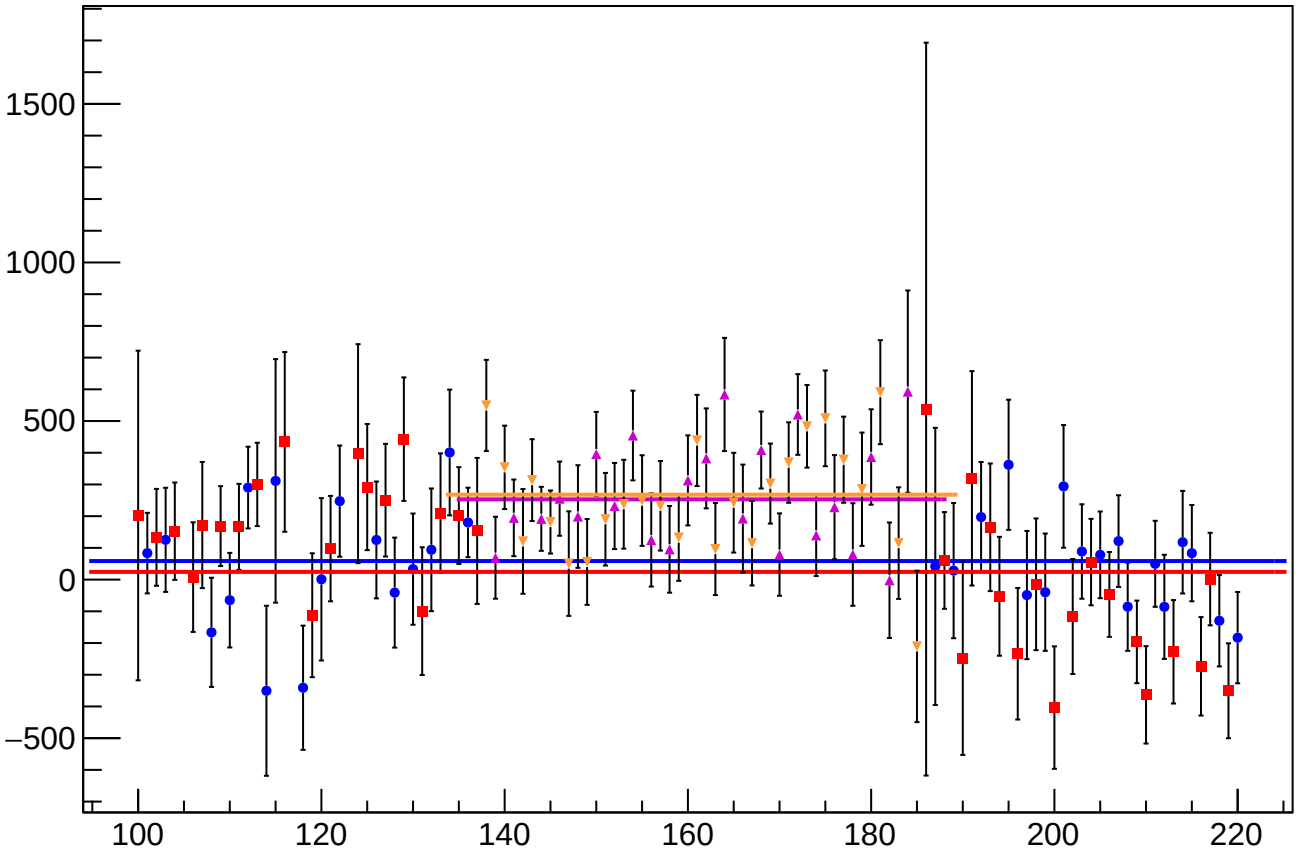
Right: 429.164+/-240.070 χ^2/NDF: 166.8/69

In: -248.462+/-183.274 χ^2/NDF:82.3/55

Out: -121.401+/-179.383 χ^2/NDF:180.4/61

All: -183.569+/-128.196 χ^2/NDF: 262.9/117


asym_sam_48_dd_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1487.848+/-0.242 χ²/NDF: 3891186.4/32
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1458.290+/-0.239 χ²/NDF: 5330116.8/36
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1472.885+/-0.170 χ²/NDF: 9228881.5/69
In: 1082.138+/-0.130 χ²/NDF:8517359.5/55
Out: 1071.069+/-0.127 χ²/NDF:9889843.0/61
All: 1076.485+/-0.091 χ²/NDF: 18410928.0/1



Right In: 58.477+/-28.921 χ^2/NDF: 30.4/32

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 24.349+/-28.791 χ^2/NDF: 55.2/36

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

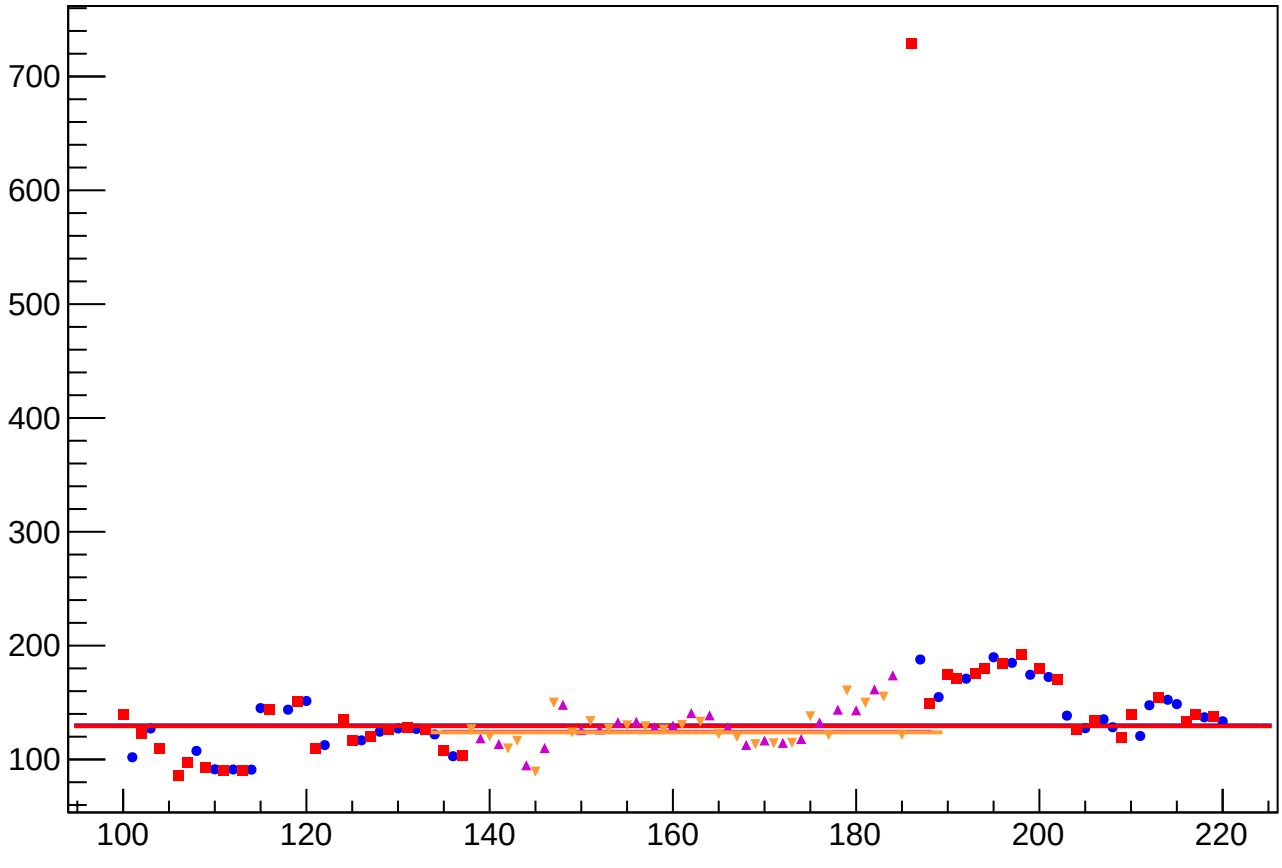
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 41.335+/-20.404 χ^2/NDF: 86.3/69

In: 154.456+/-20.588 χ^2/NDF:78.9/55

Out: 147.701+/-20.221 χ^2/NDF:122.5/61

All: 151.018+/-14.426 χ^2/NDF: 201.4/117



Right In: 129.928+/-0.020 χ^2/NDF: 1495925.6/32

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

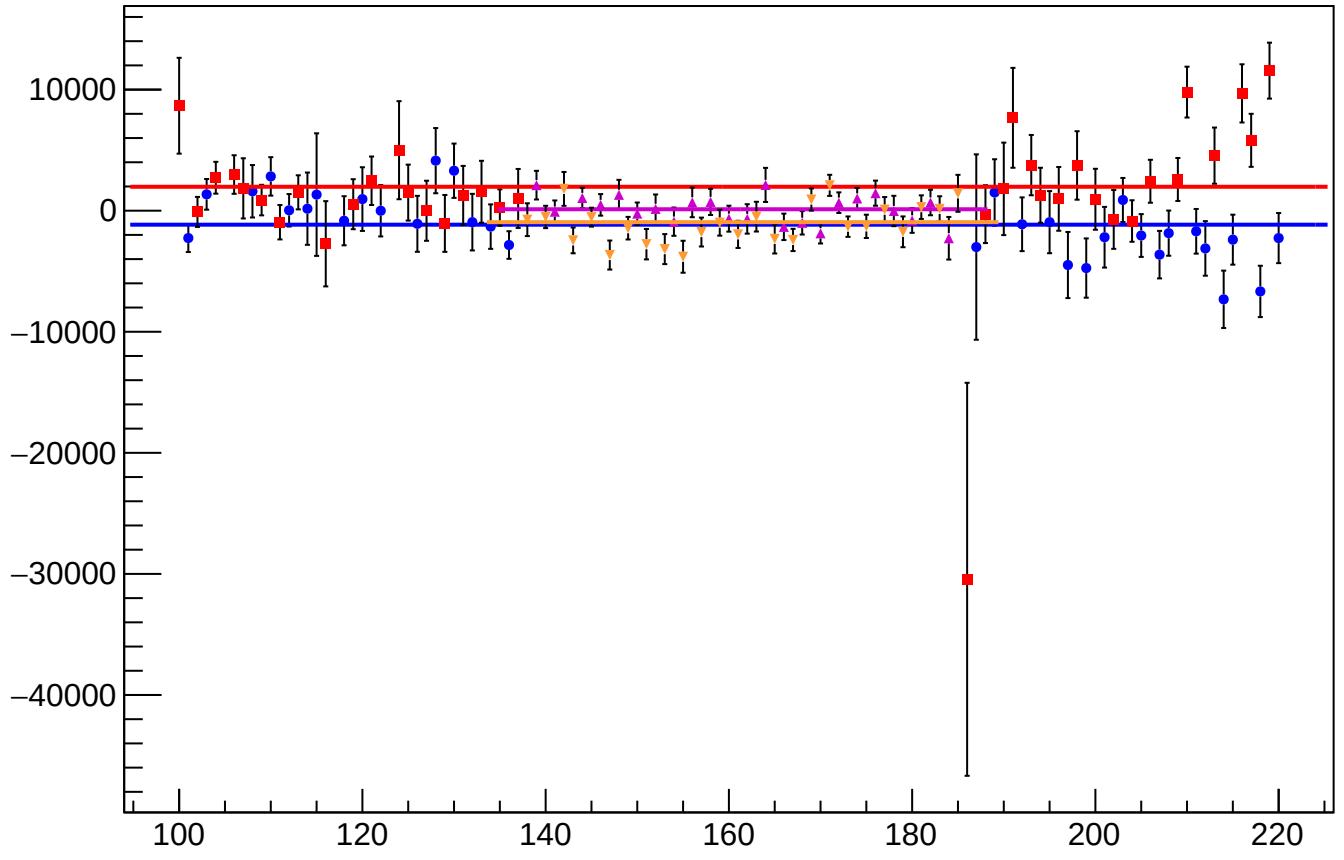
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 129.578+/-0.014 χ^2/NDF: 3907202.5/69

In: 127.132+/-0.015 χ^2/NDF:2091050.9/55

Out: 126.483+/-0.014 χ^2/NDF:3045106.0/61

All: 126.802+/-0.010 χ^2/NDF: 5137167.3/117



Right In: -1156.534+/-341.648 χ^2/NDF: 48.0/32

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1975.788+/-337.412 χ^2/NDF: 76.2/36

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

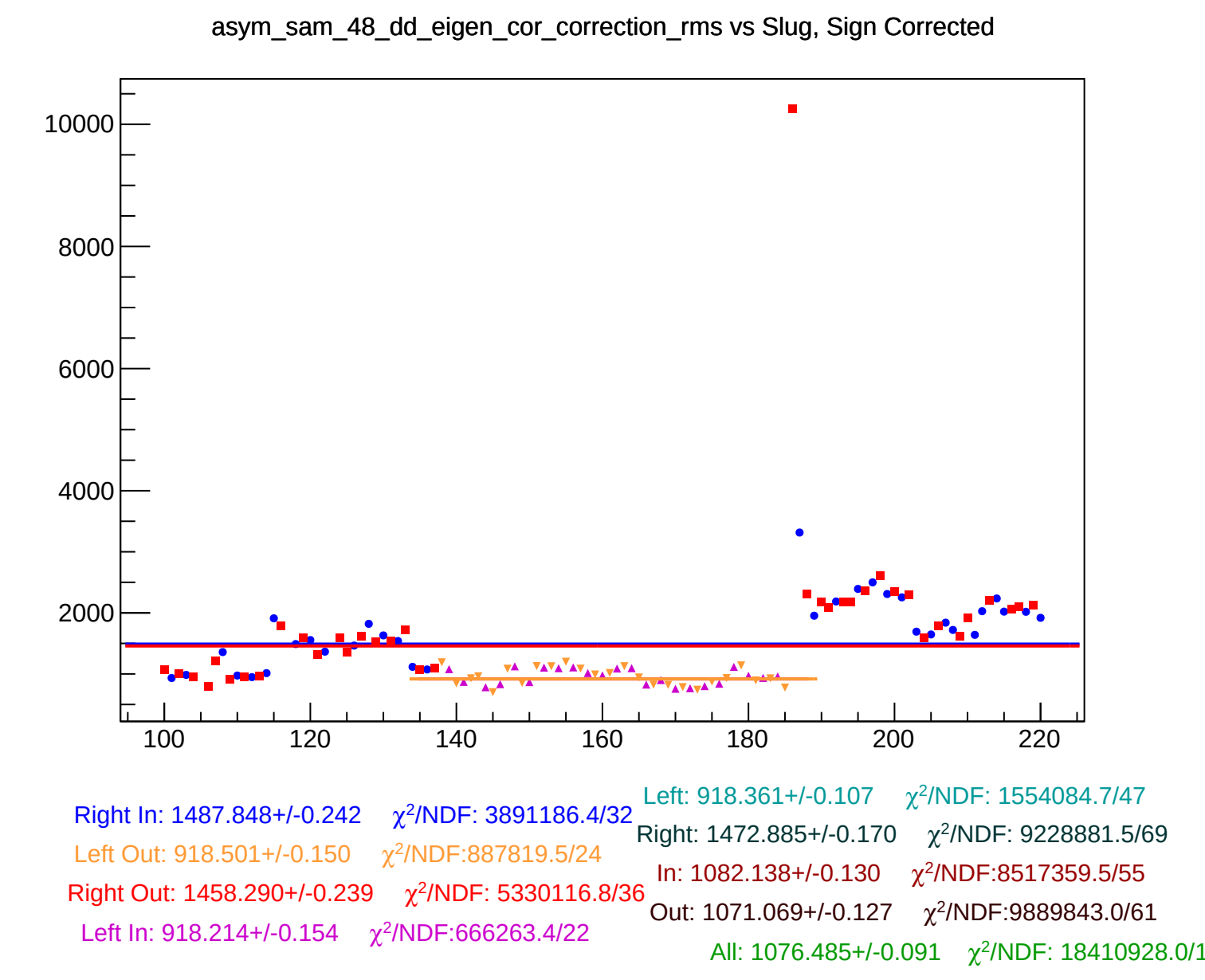
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 429.164+/-240.070 χ^2/NDF: 166.8/69

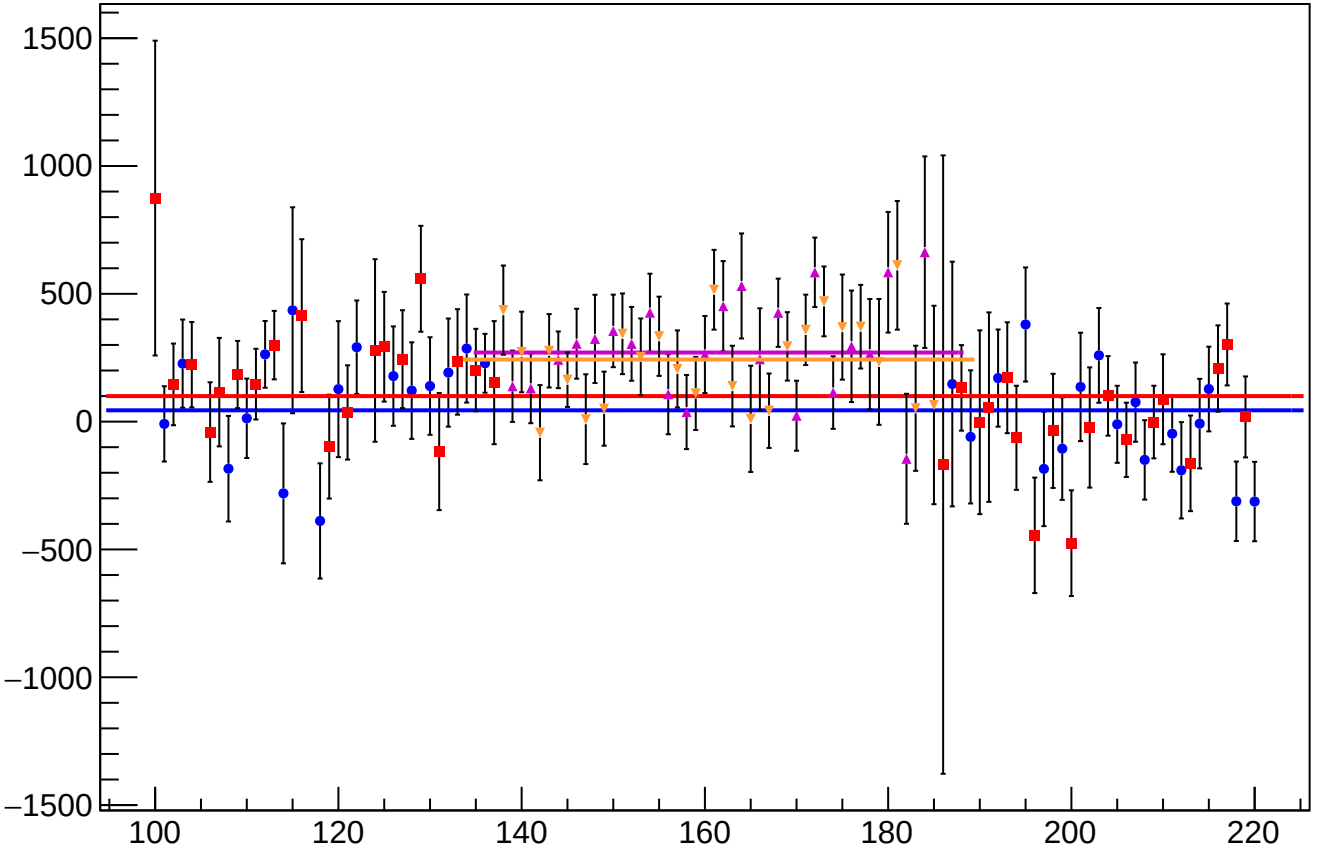
In: -248.462+/-183.274 χ^2/NDF:82.3/55

Out: -121.401+/-179.383 χ^2/NDF:180.4/61

All: -183.569+/-128.196 χ^2/NDF: 262.9/117


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1487.848+/-0.242 χ²/NDF: 3891186.4/32
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1458.290+/-0.239 χ²/NDF: 5330116.8/36
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1472.885+/-0.170 χ²/NDF: 9228881.5/69
In: 1082.138+/-0.130 χ²/NDF:8517359.5/55
Out: 1071.069+/-0.127 χ²/NDF:9889843.0/61
All: 1076.485+/-0.091 χ²/NDF: 18410928.0/1

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 44.260+/-31.560 χ^2/NDF: 39.1/32

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 99.835+/-31.215 χ^2/NDF: 37.2/36

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

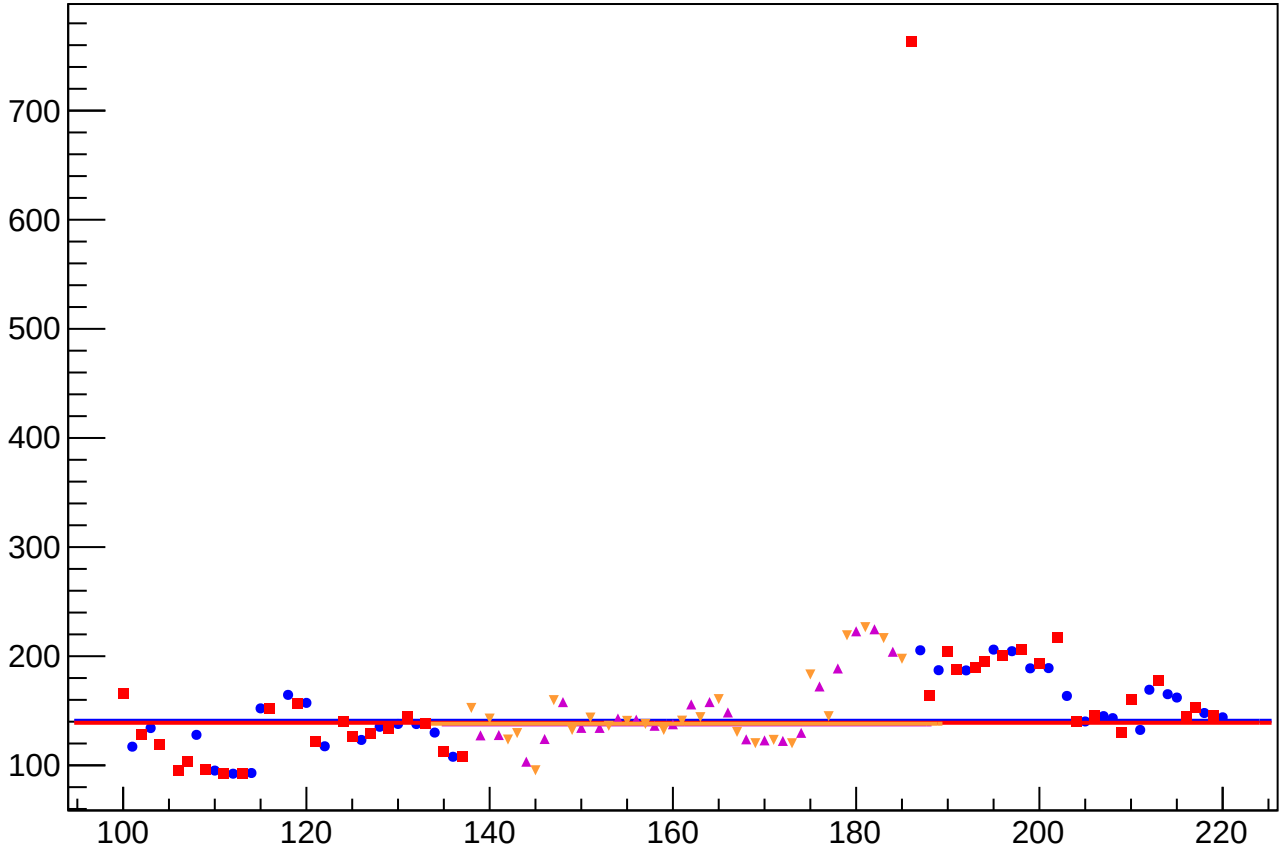
Right: 72.353+/-22.193 χ^2/NDF: 77.9/69

In: 152.579+/-22.773 χ^2/NDF:90.4/55

Out: 169.278+/-22.392 χ^2/NDF:71.1/61

All: 161.070+/-15.966 χ^2/NDF: 161.7/117

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 140.832+/-0.022 χ^2/NDF: 1755625.5/32

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 138.994+/-0.022 χ^2/NDF: 2784652.0/36

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

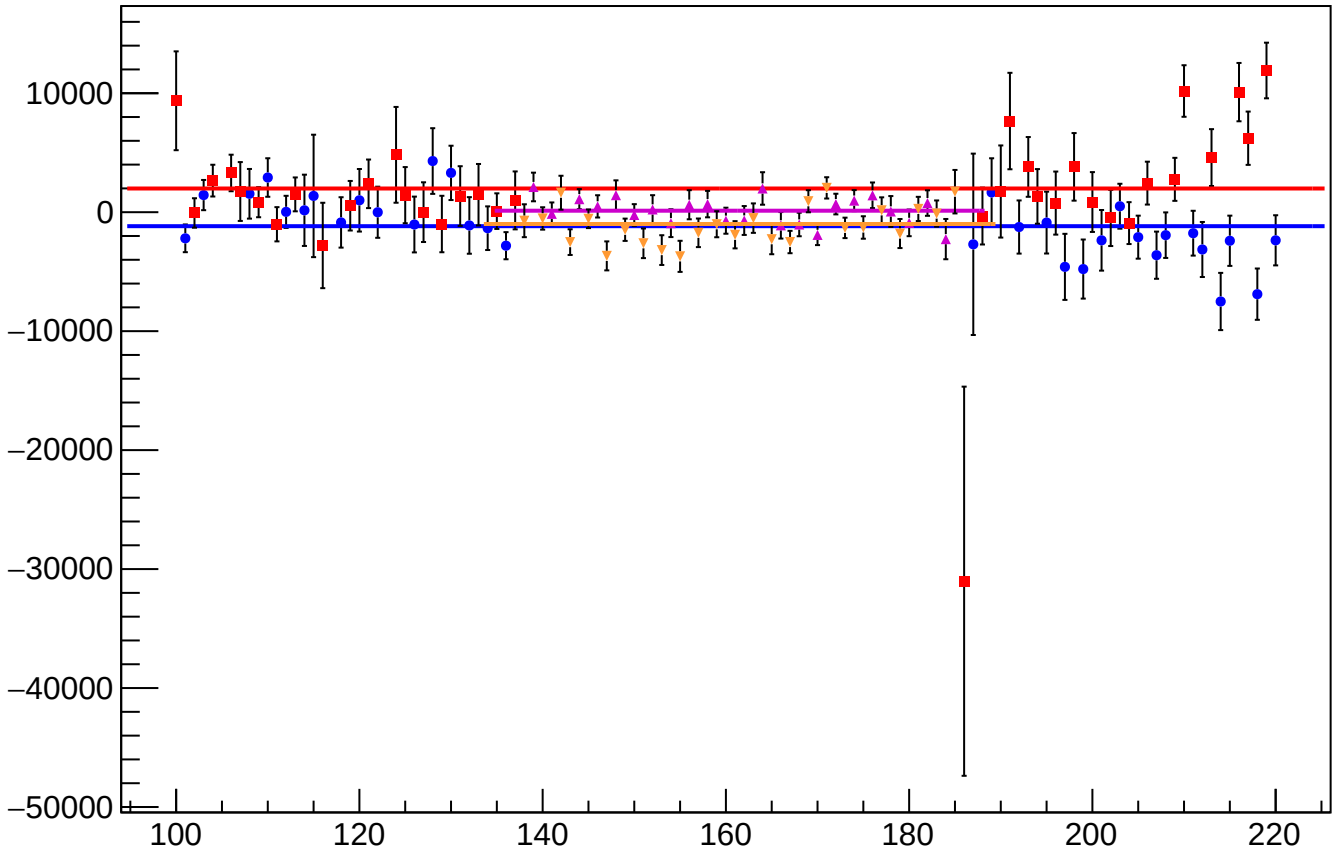
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 139.903+/-0.016 χ^2/NDF: 4543707.3/69

In: 139.231+/-0.016 χ^2/NDF:2875702.1/55

Out: 138.573+/-0.016 χ^2/NDF:4123709.0/61

All: 138.896+/-0.011 χ^2/NDF: 7000258.9/117



Right In: -1175.479+/-346.076 χ^2/NDF: 48.2/32

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1991.627+/-340.145 χ^2/NDF: 79.6/36

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

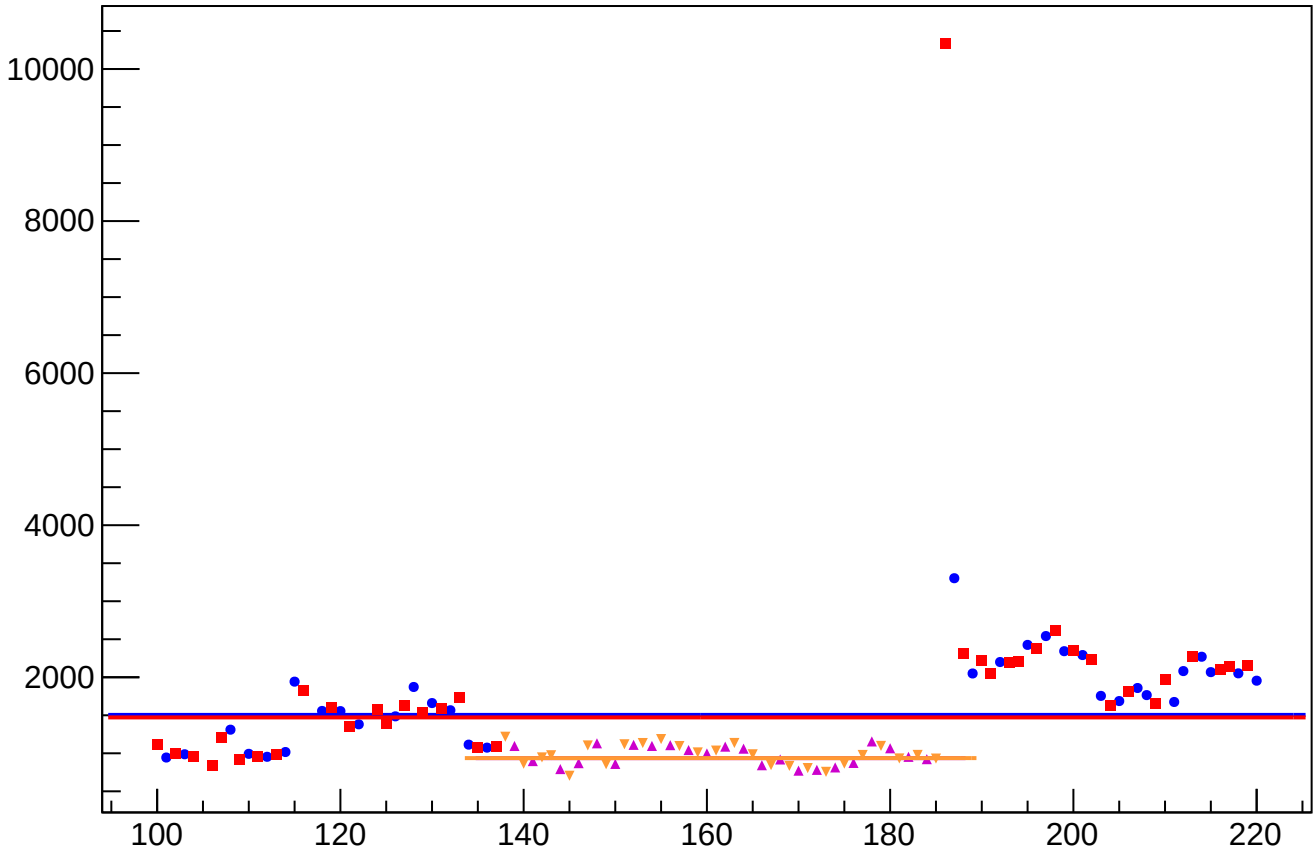
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 435.446+/-242.589 χ^2/NDF: 170.4/69

In: -252.698+/-186.481 χ^2/NDF:82.1/55

Out: -137.443+/-182.132 χ^2/NDF:181.5/61

All: -193.711+/-130.297 χ^2/NDF: 263.7/117



Right In: 1505.017+/-0.245 χ^2/NDF: 4029996.5/32

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1471.926+/-0.241 χ^2/NDF: 5356921.8/36

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

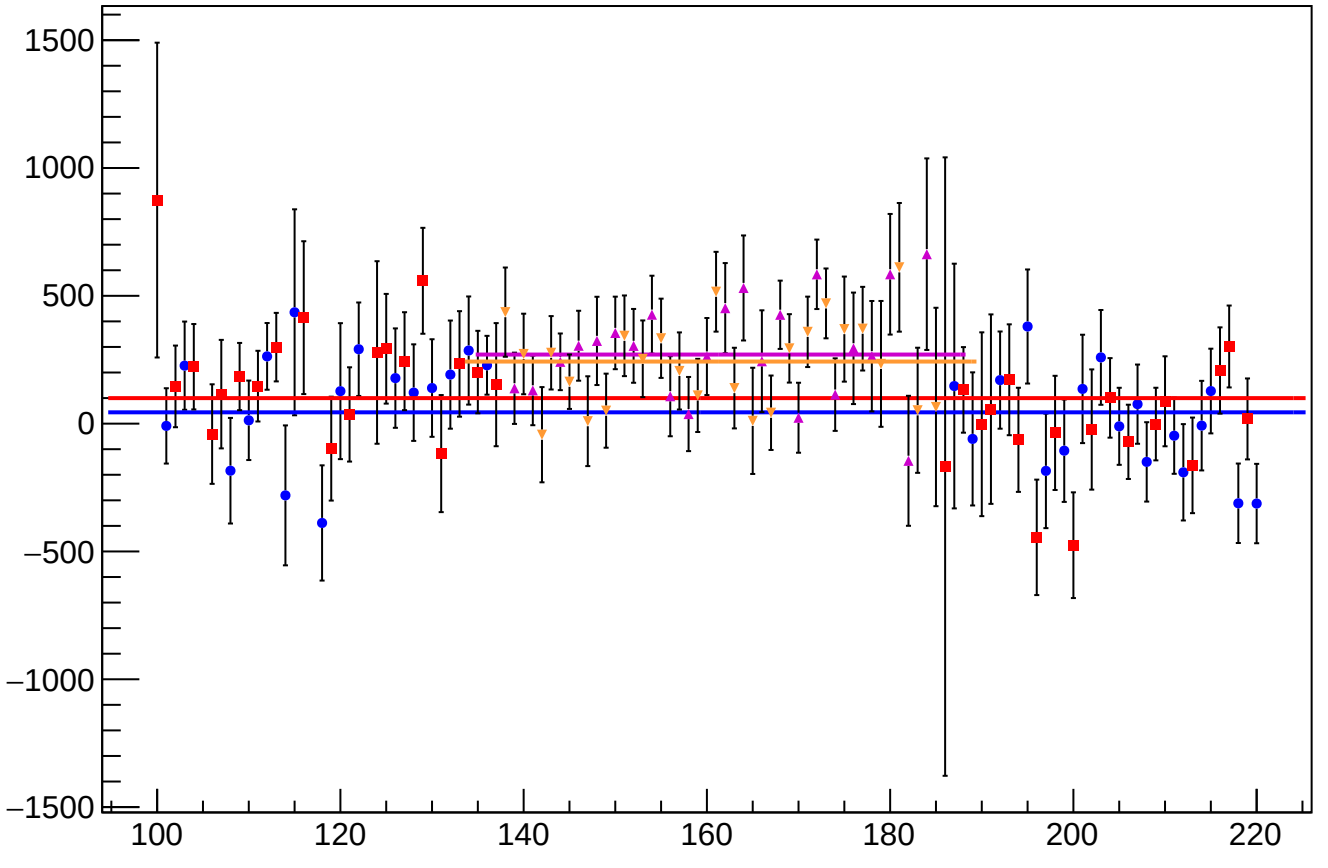
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1488.186+/-0.172 χ^2/NDF: 9396219.0/69

In: 1101.485+/-0.132 χ^2/NDF:8504516.4/55

Out: 1090.186+/-0.129 χ^2/NDF:9720968.6/61

All: 1095.702+/-0.092 χ^2/NDF: 18229242.6/1



Right In: 44.263+/-31.560 χ^2/NDF: 39.1/32

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 99.833+/-31.215 χ^2/NDF: 37.2/36

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

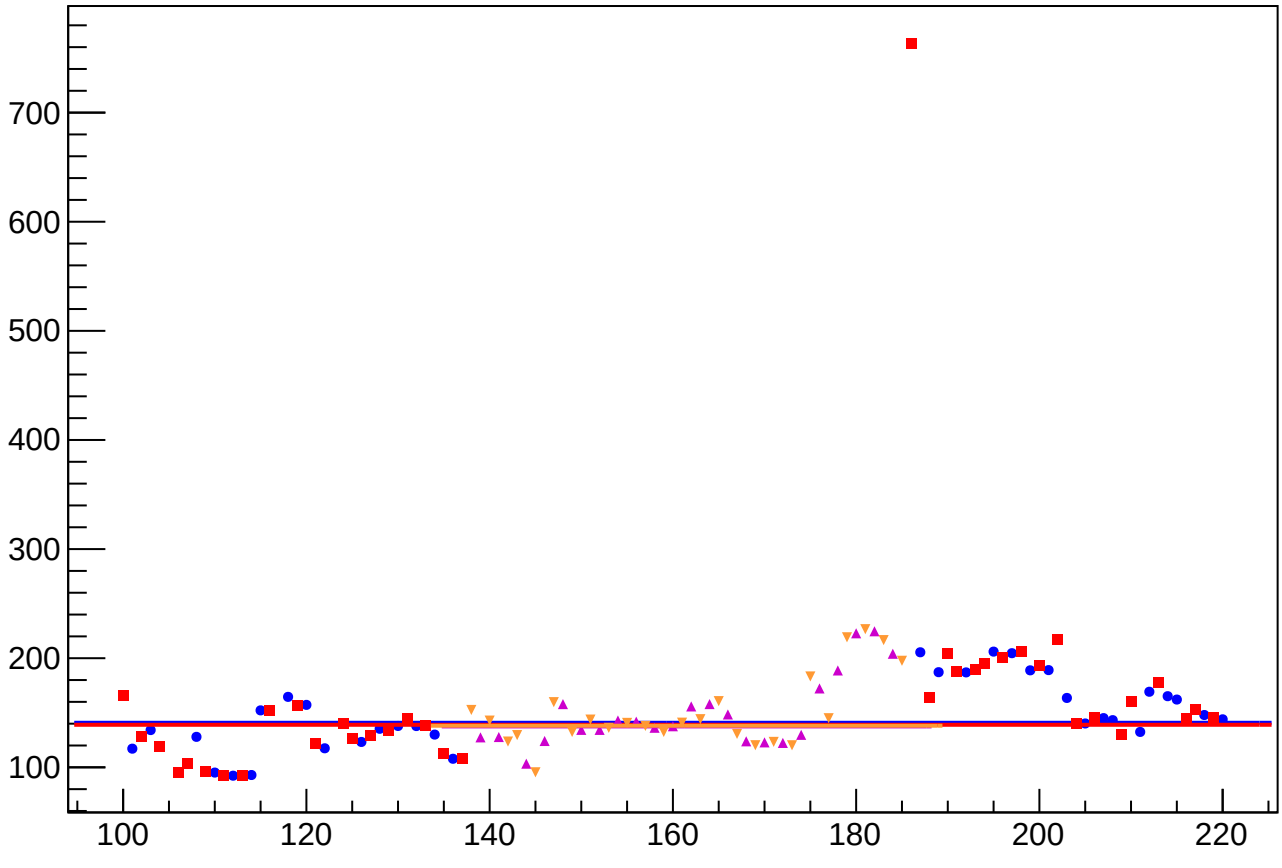
Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

Right: 72.353+/-22.193 χ^2/NDF: 77.9/69

In: 152.581+/-22.773 χ^2/NDF:90.4/55

Out: 169.278+/-22.392 χ^2/NDF:71.1/61

All: 161.070+/-15.966 χ^2/NDF: 161.7/117



Right In: 140.832+/-0.022 χ^2/NDF: 1755606.7/32

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 138.994+/-0.022 χ^2/NDF: 2784655.2/36

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

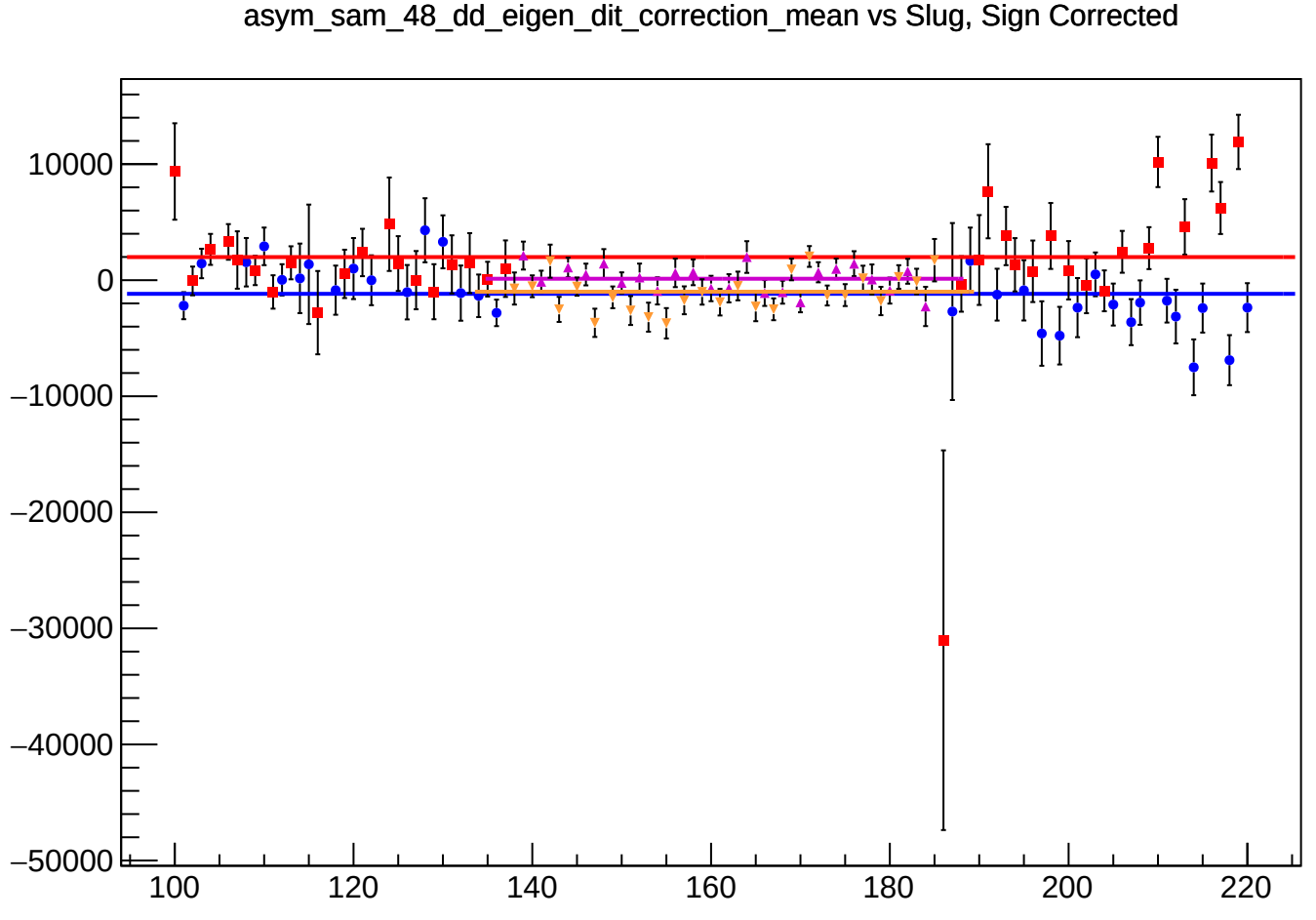
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 139.903+/-0.016 χ^2/NDF: 4543691.4/69

In: 139.231+/-0.016 χ^2/NDF:2875668.9/55

Out: 138.573+/-0.016 χ^2/NDF:4123715.2/61

All: 138.896+/-0.011 χ^2/NDF: 7000231.8/117



Right In: -1175.479+/-346.076 χ^2/NDF: 48.2/32

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1991.626+/-340.145 χ^2/NDF: 79.6/36

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

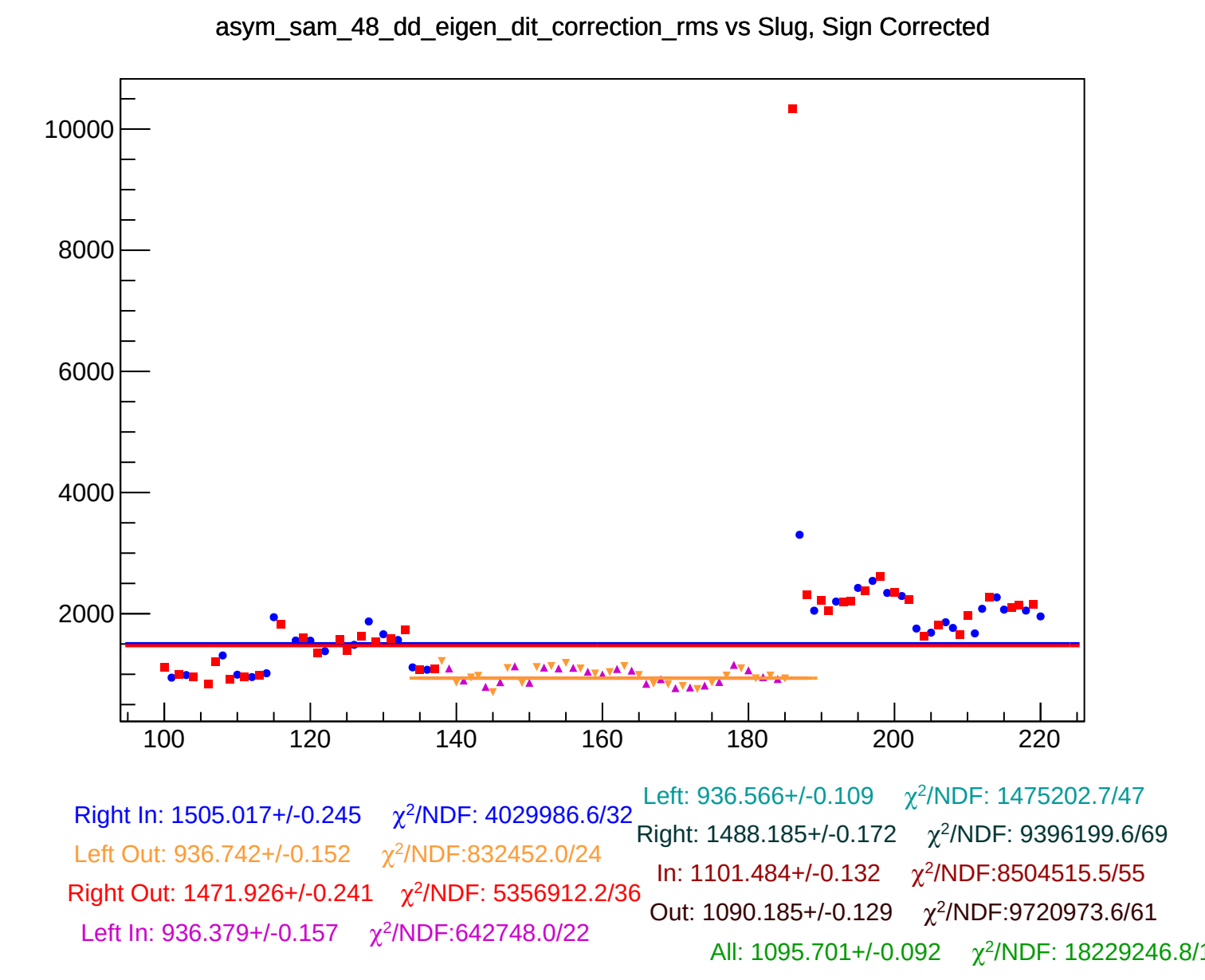
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 435.445+/-242.589 χ^2/NDF: 170.4/69

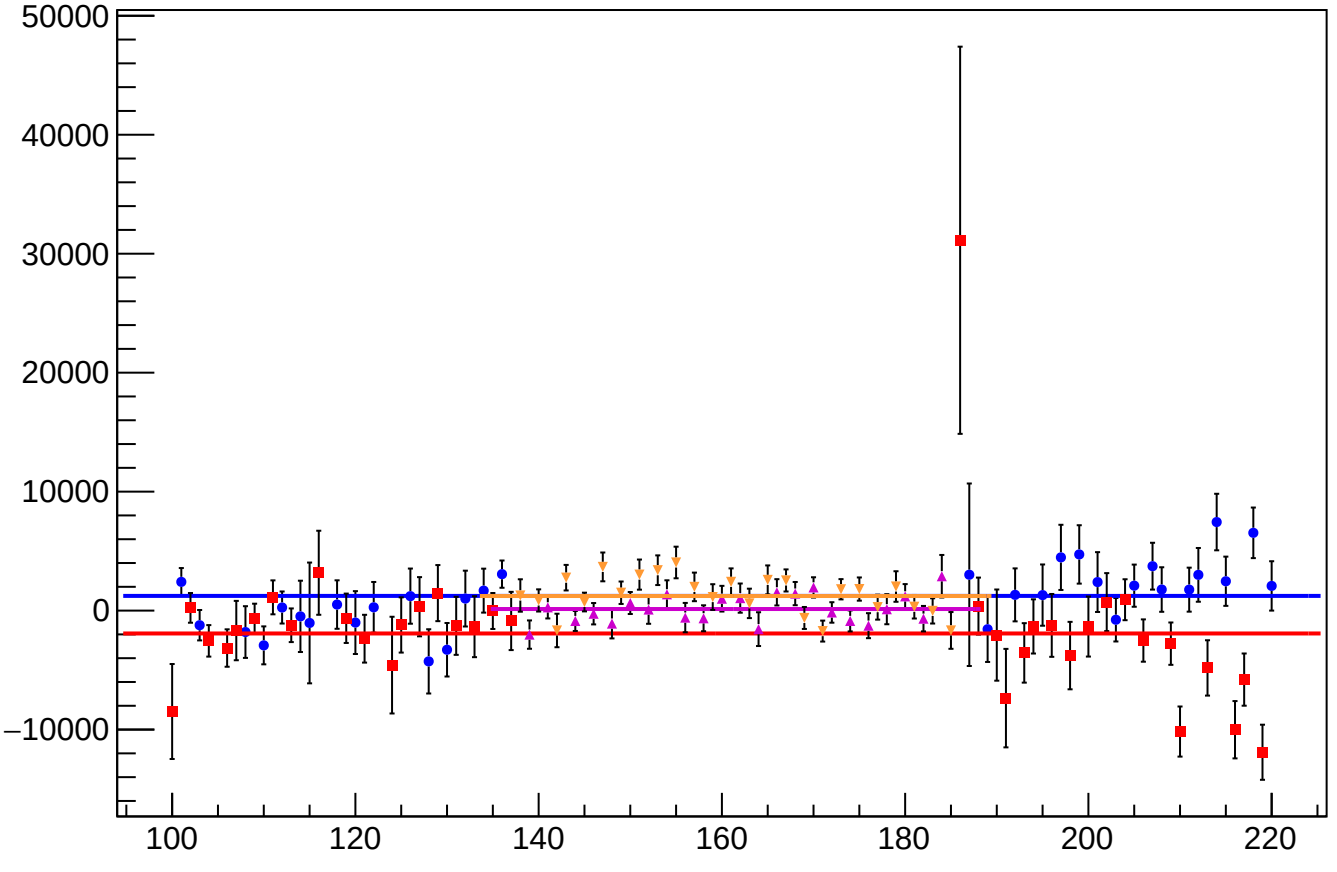
In: -252.698+/-186.481 χ^2/NDF:82.1/55

Out: -137.443+/-182.132 χ^2/NDF:181.5/61

All: -193.711+/-130.297 χ^2/NDF: 263.7/117


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1505.017+/-0.245 χ²/NDF: 4029986.6/32
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1471.926+/-0.241 χ²/NDF: 5356912.2/36
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1488.185+/-0.172 χ²/NDF: 9396199.6/69
In: 1101.484+/-0.132 χ²/NDF:8504515.5/55
Out: 1090.185+/-0.129 χ²/NDF:9720973.6/61
All: 1095.701+/-0.092 χ²/NDF: 18229246.8/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 1235.681+/-343.130 χ^2/NDF: 48.5/32

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1921.986+/-338.583 χ^2/NDF: 81.9/36

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

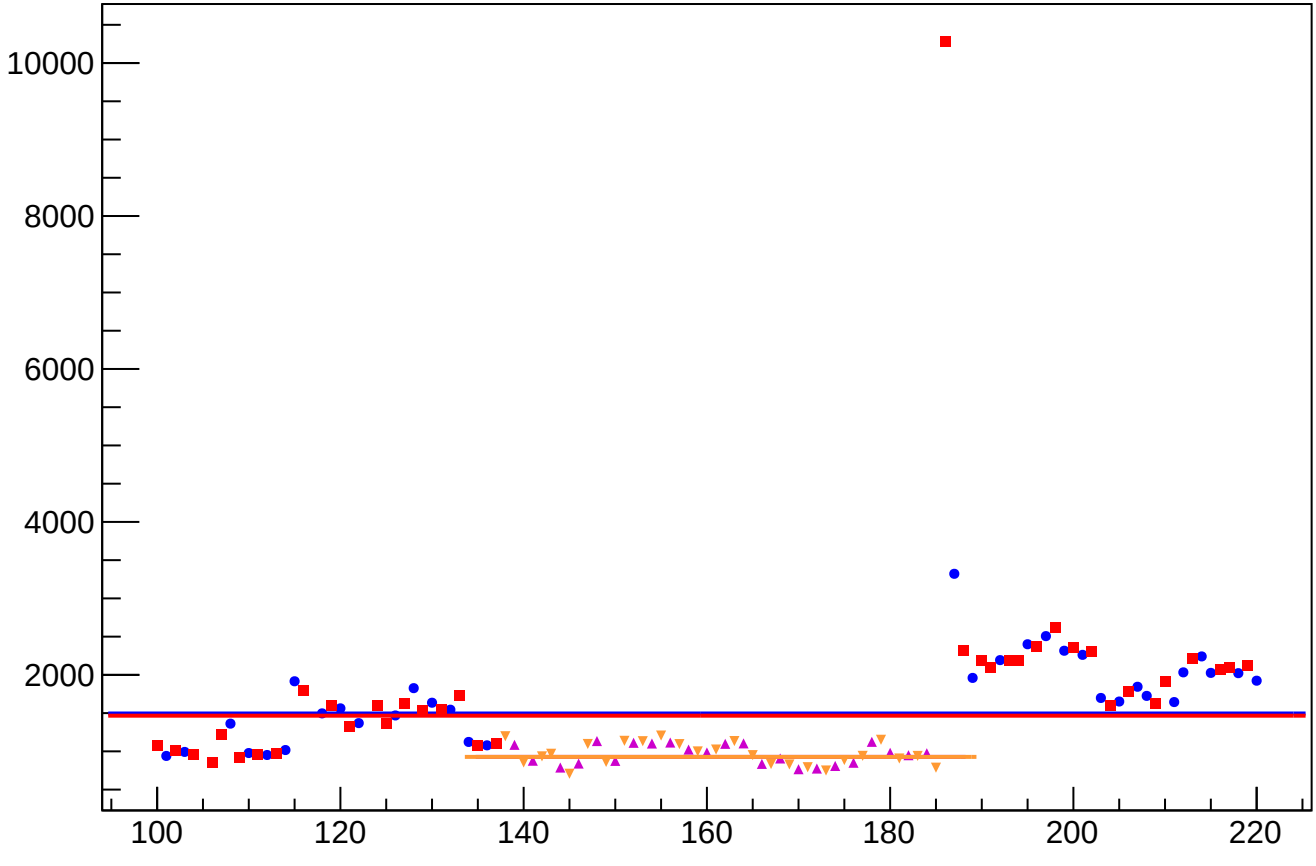
Right: -364.214+/-241.006 χ^2/NDF: 173.4/69

In: 452.624+/-184.771 χ^2/NDF:81.7/55

Out: 328.007+/-180.802 χ^2/NDF:192.2/61

All: 388.963+/-129.227 χ^2/NDF: 274.2/117

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1494.959+/-0.243 χ^2/NDF: 3858362.6/32

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1466.464+/-0.239 χ^2/NDF: 5257398.8/36

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

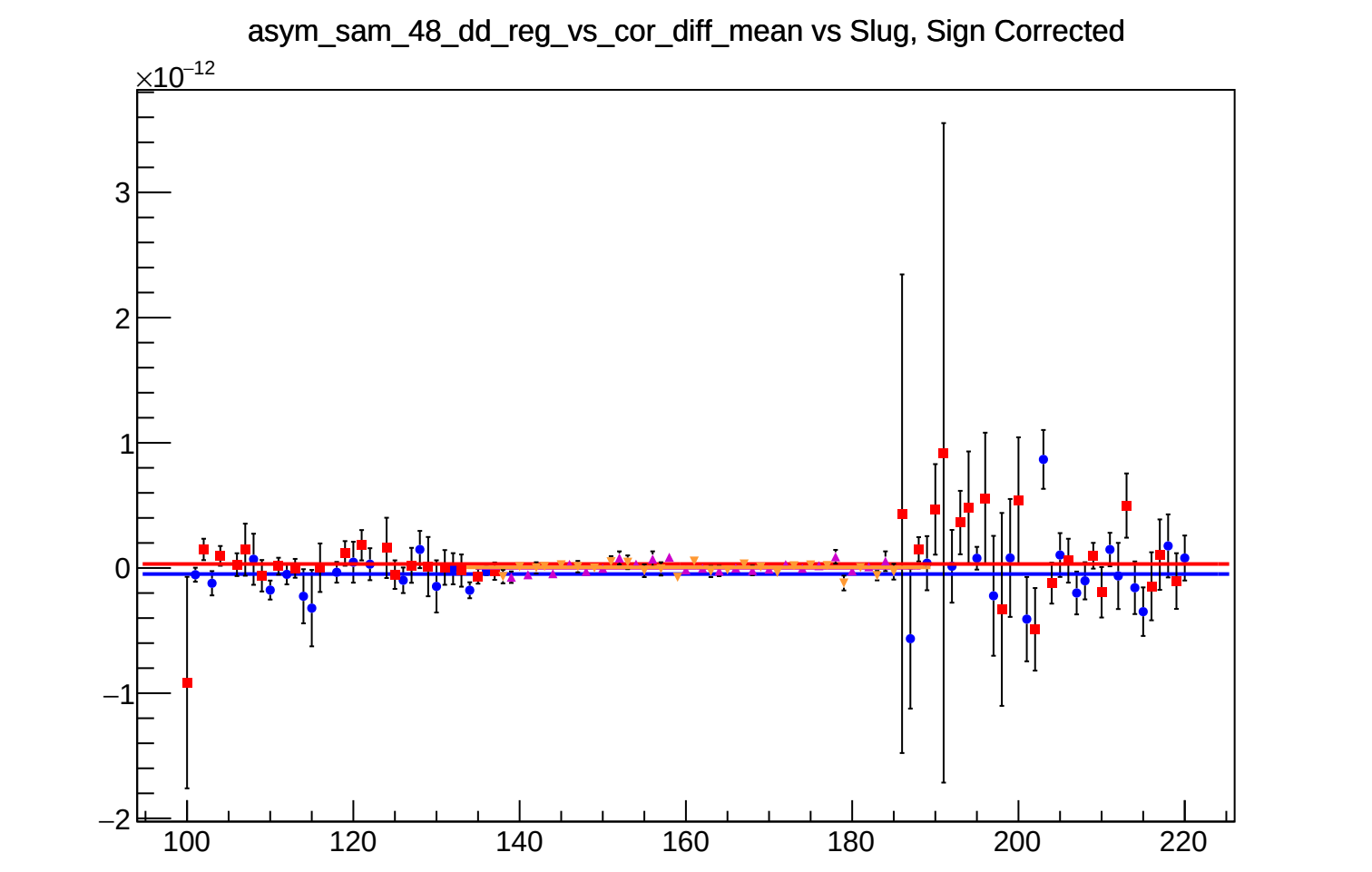
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1480.521+/-0.170 χ^2/NDF: 9122749.7/69

In: 1091.918+/-0.131 χ^2/NDF:8401170.5/55

Out: 1081.264+/-0.128 χ^2/NDF:9753760.4/61

All: 1086.475+/-0.091 χ^2/NDF: 18158327.6/1



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/36

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

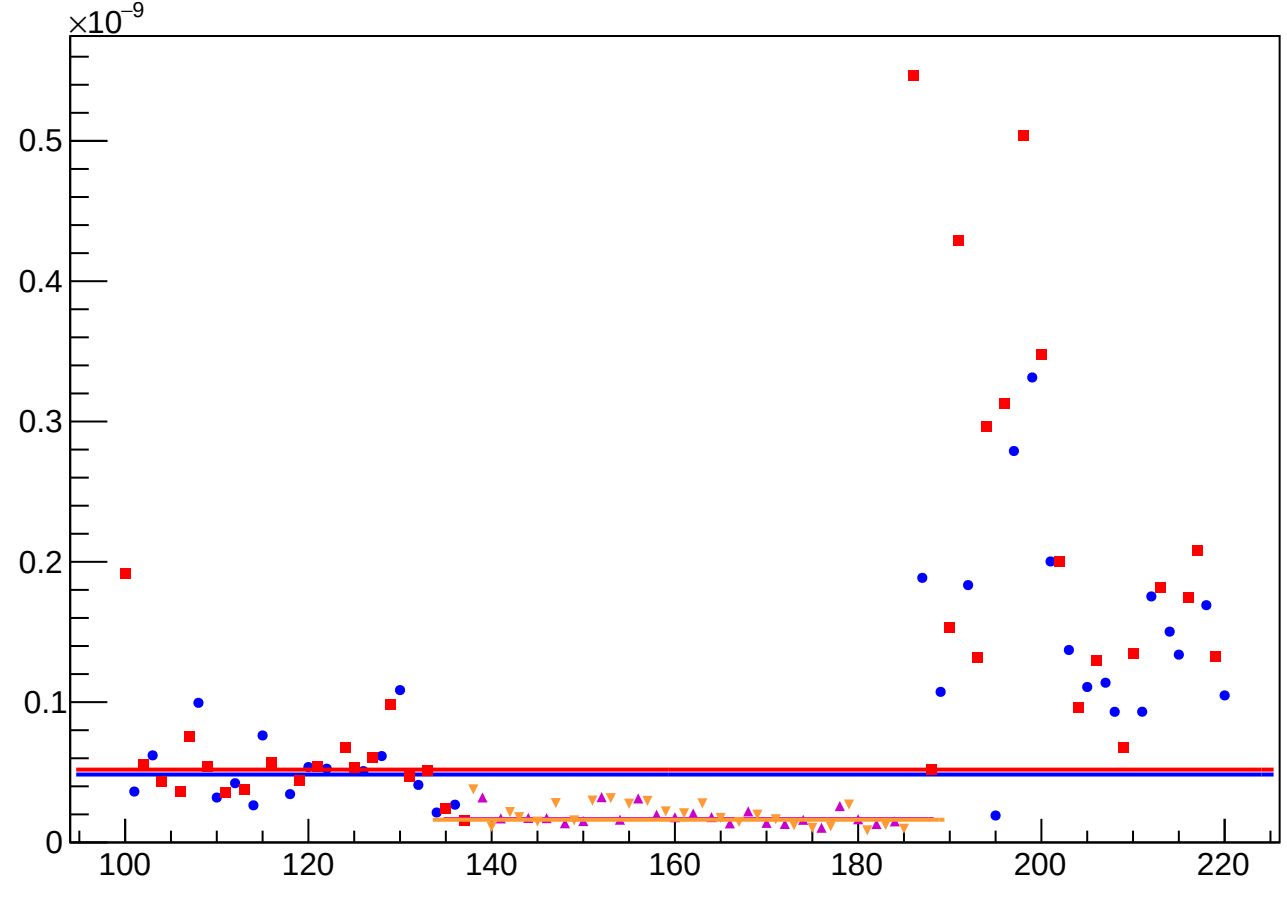
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 77.1/69

In: -0.000+/-0.000 χ^2/NDF:73.6/55

Out: 0.000+/-0.000 χ^2/NDF:55.9/61

All: 0.000+/-0.000 χ^2/NDF: 131.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 7257272.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7575873.8/36

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

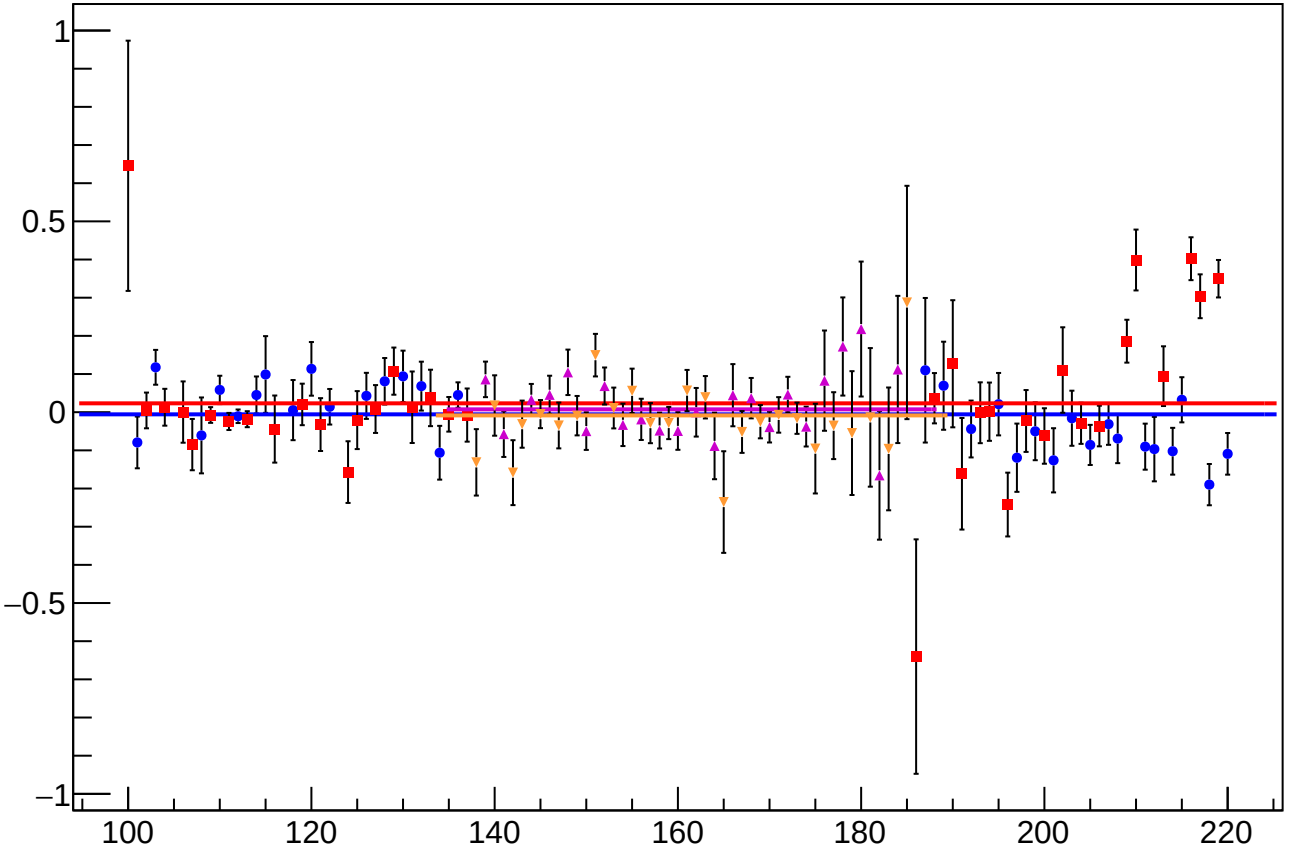
Right: 0.000+/-0.000 χ^2/NDF: 14862760.3/69

In: 0.000+/-0.000 χ^2/NDF:12811821.1/55

Out: 0.000+/-0.000 χ^2/NDF:14896327.3/61

All: 0.000+/-0.000 χ^2/NDF: 27724020.7/117

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.009 χ^2/NDF: 57.5/32

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

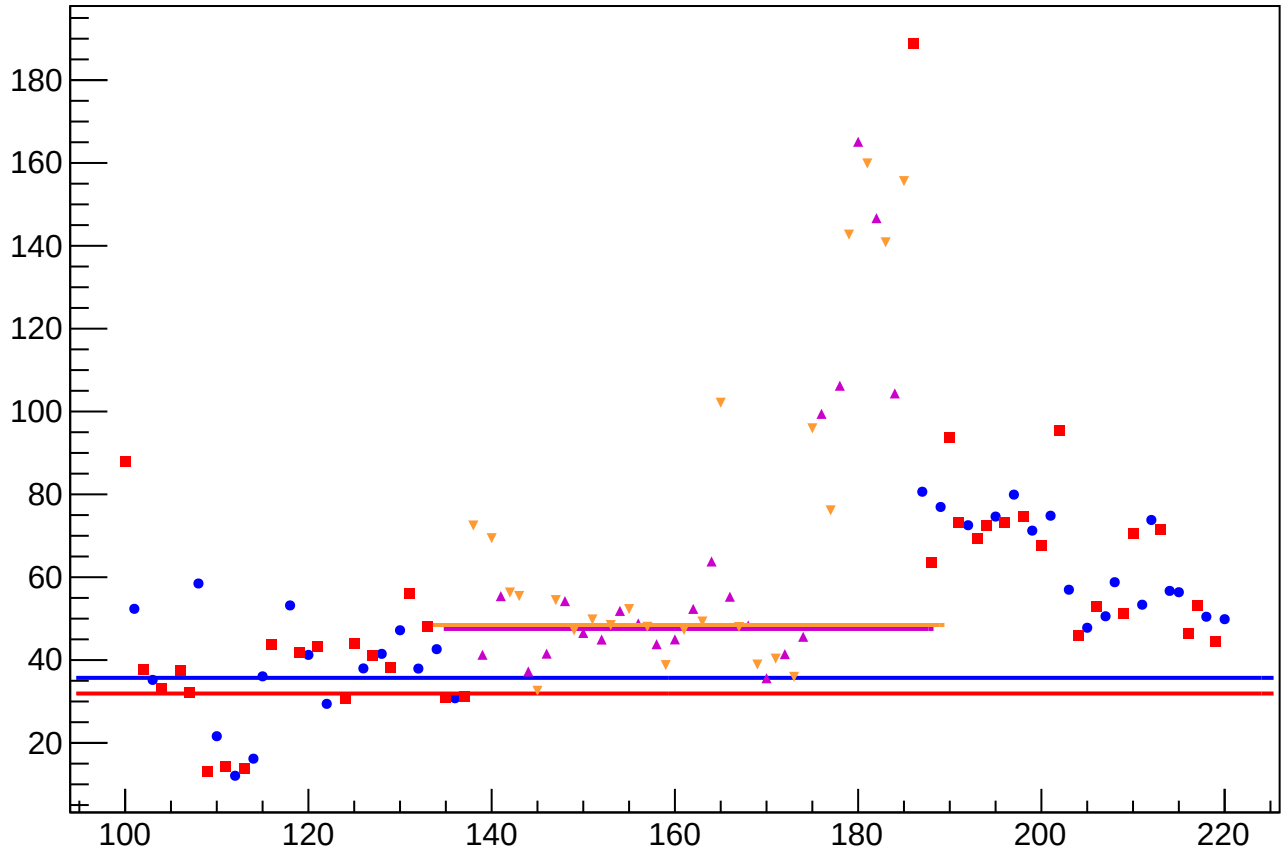
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.010+/-0.006 χ^2/NDF: 255.6/69

In: -0.001+/-0.007 χ^2/NDF:81.5/55

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.006+/-0.005 χ^2/NDF: 303.8/117



Right In: 35.704+/-0.007 χ^2/NDF: 9382493.1/32

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

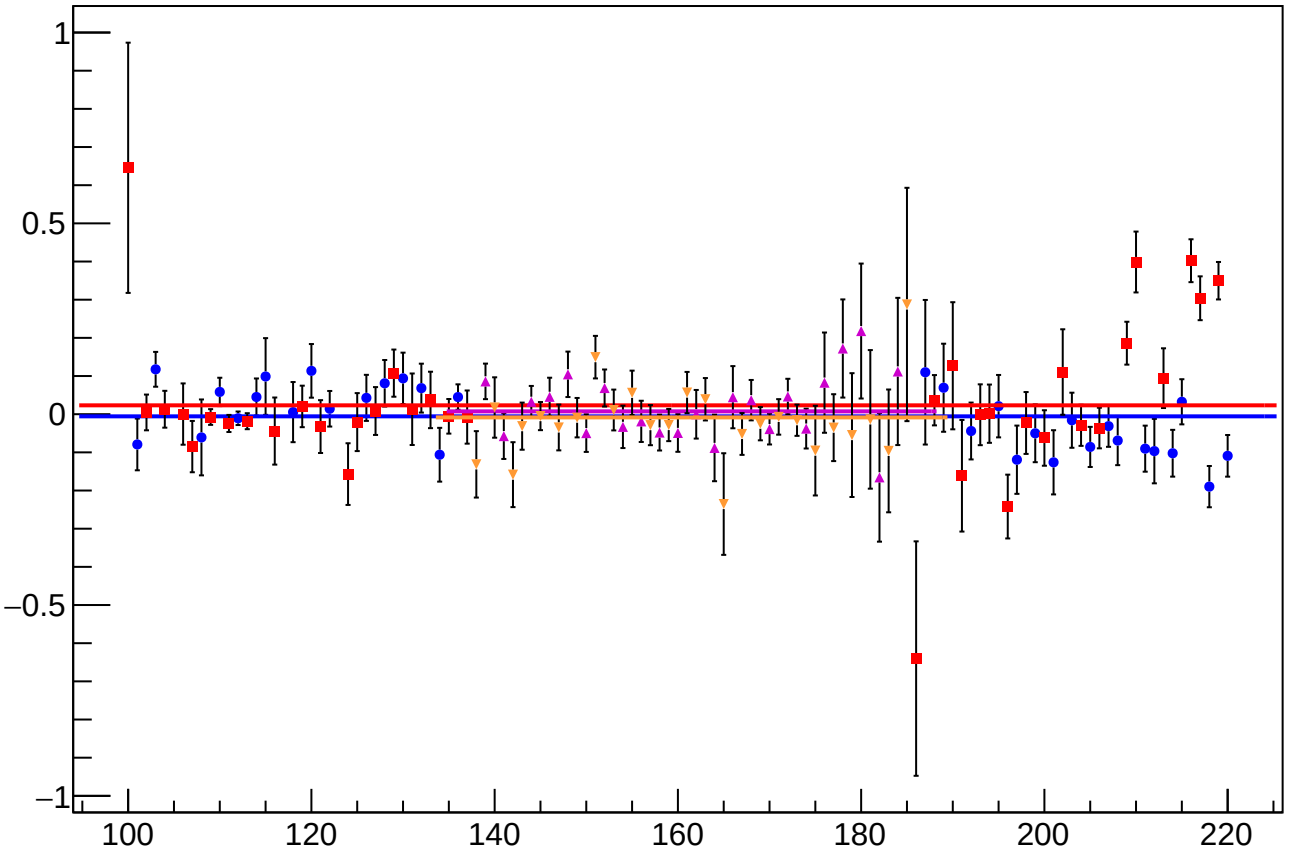
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 33.653+/-0.004 χ^2/NDF: 21317966.8/69

In: 40.058+/-0.005 χ^2/NDF:13671688.9/55

Out: 37.406+/-0.005 χ^2/NDF:18666237.9/61

All: 38.658+/-0.004 χ^2/NDF: 32476926.9/117



Right In: -0.006+/-0.009 χ^2/NDF: 57.5/32

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

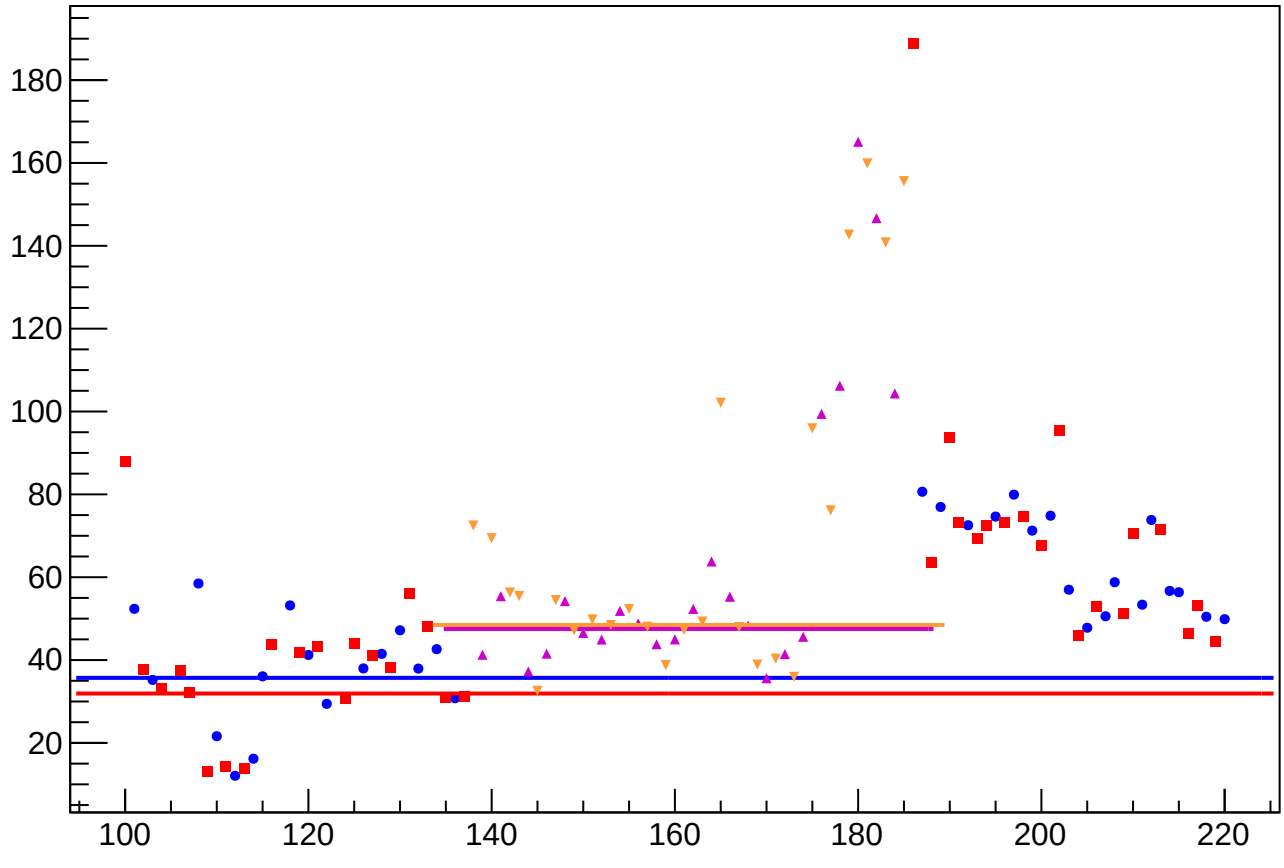
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.010+/-0.006 χ^2/NDF: 255.6/69

In: -0.001+/-0.007 χ^2/NDF:81.5/55

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.006+/-0.005 χ^2/NDF: 303.8/117



Right In: 35.704+/-0.007 χ^2/NDF: 9382493.1/32

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

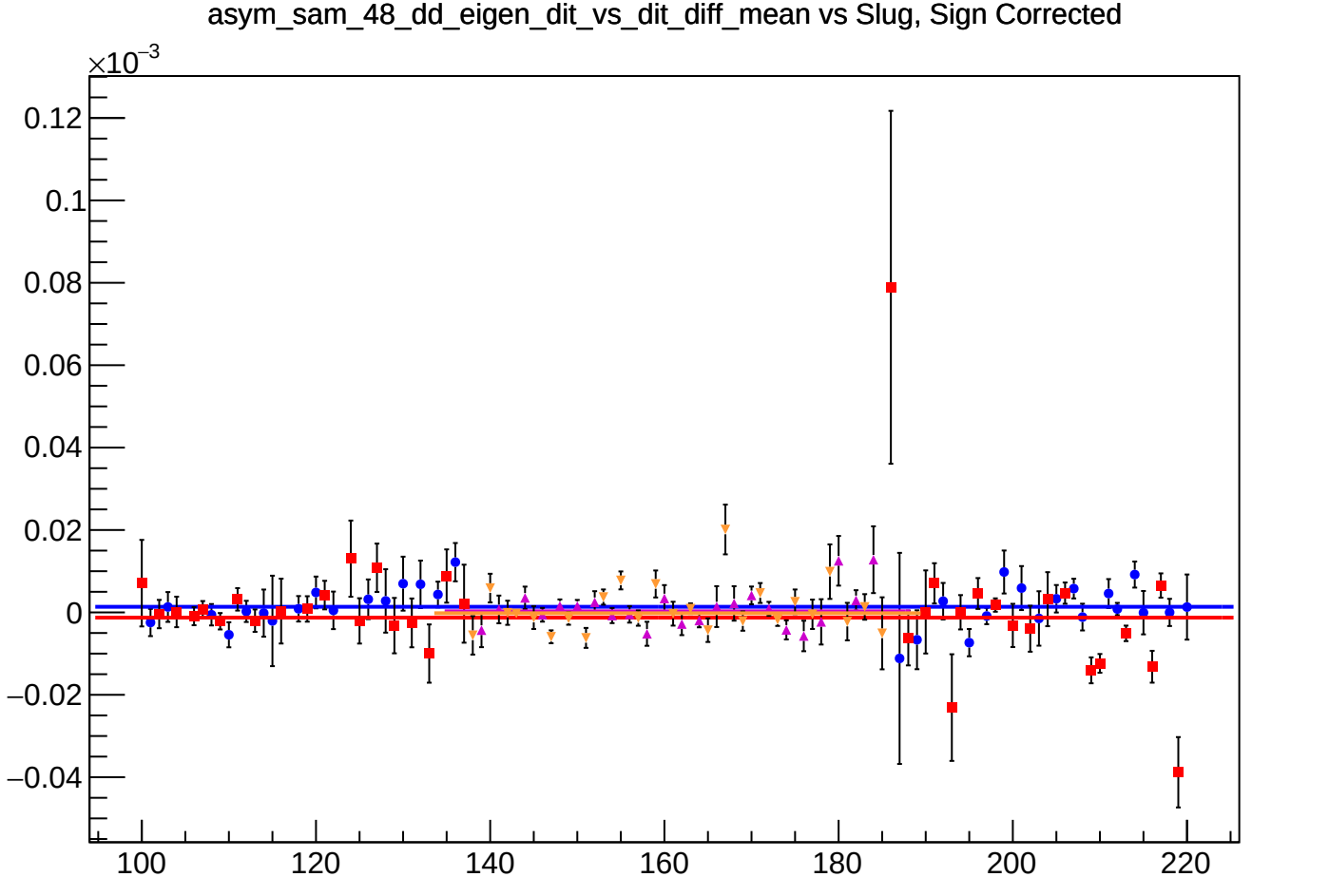
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

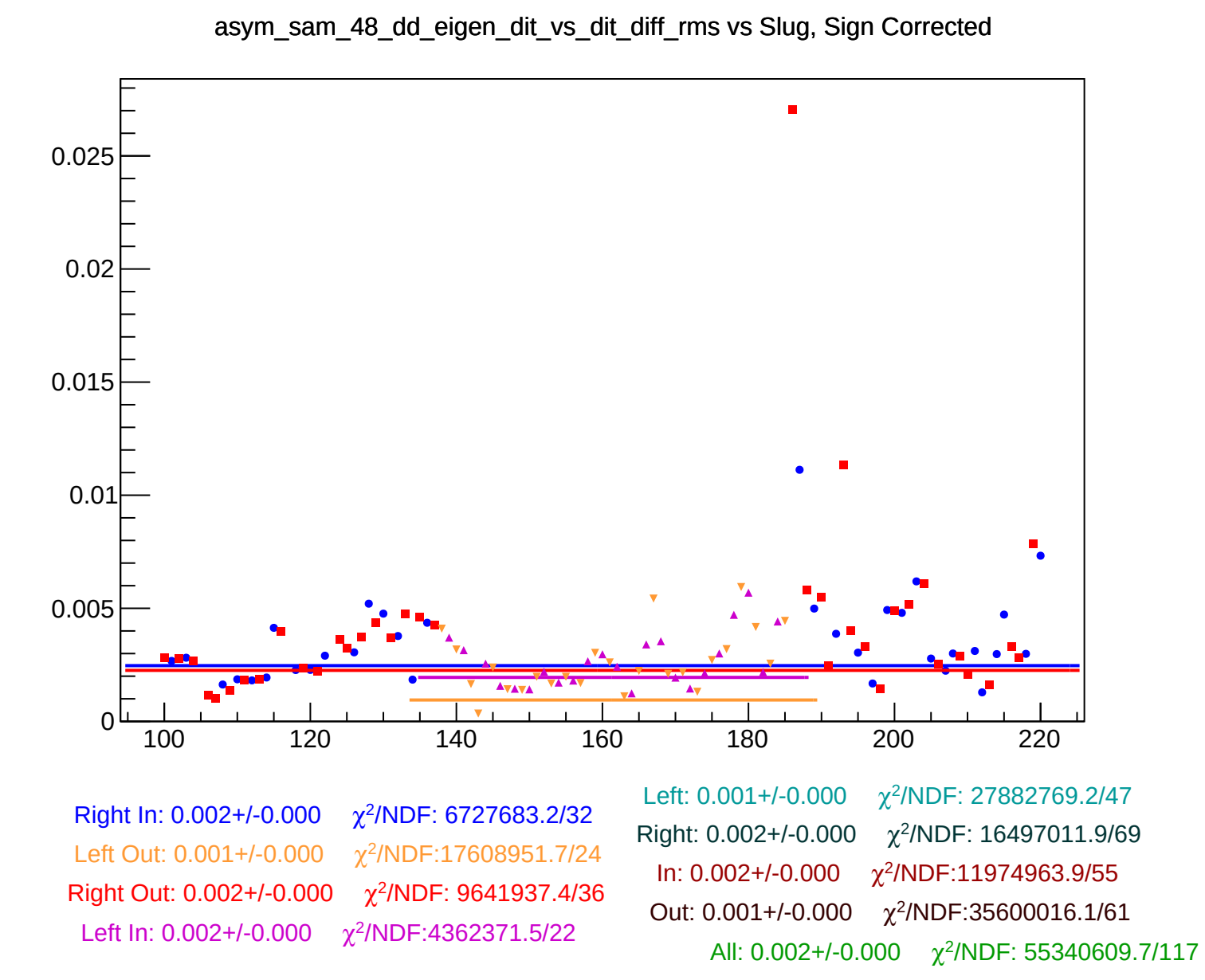
Right: 33.653+/-0.004 χ^2/NDF: 21317966.8/69

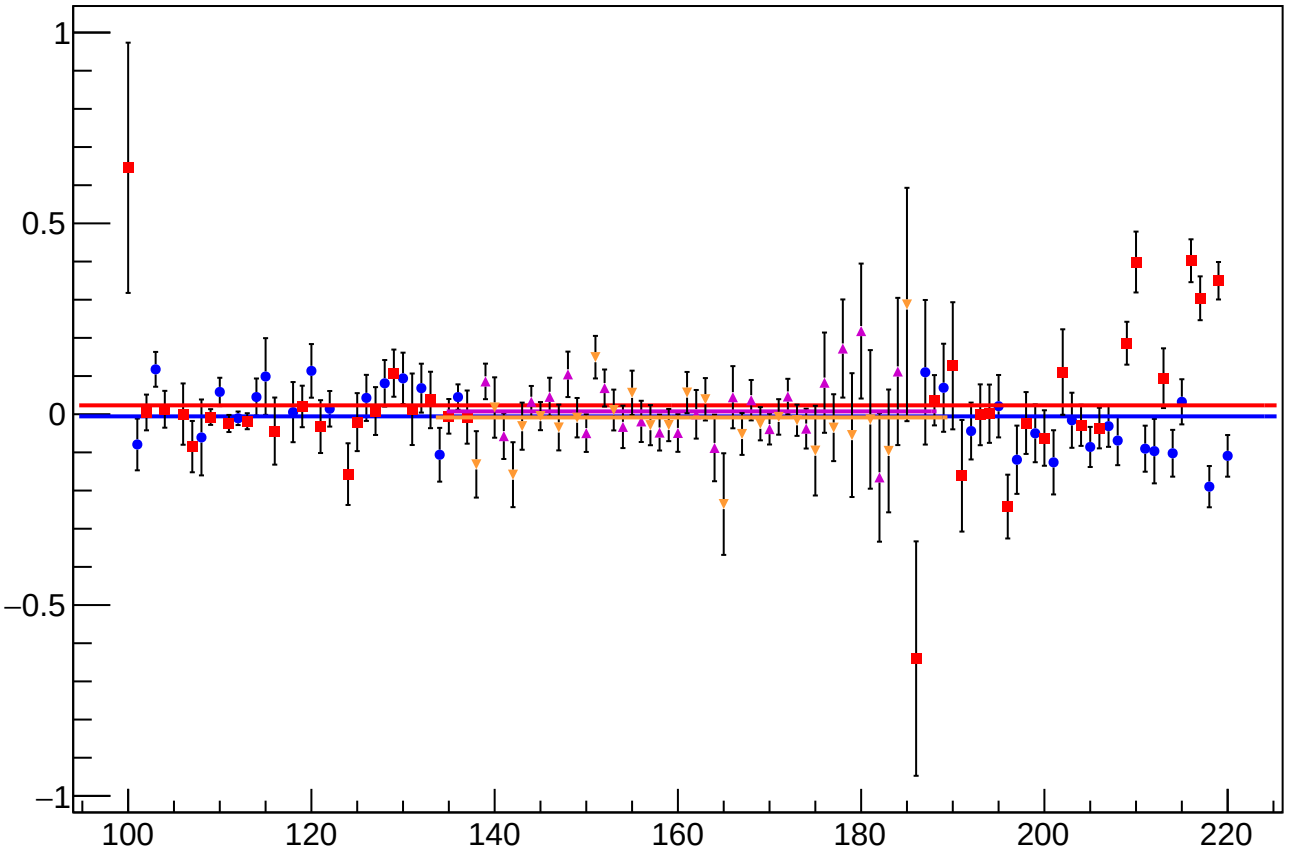
In: 40.058+/-0.005 χ^2/NDF:13671688.9/55

Out: 37.406+/-0.005 χ^2/NDF:18666237.9/61

All: 38.658+/-0.004 χ^2/NDF: 32476926.9/117


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 41.2/32
Left Out: -0.000+/-0.000 χ²/NDF:71.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 120.9/36
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: -0.000+/-0.000 χ²/NDF: 103.2/47
Right: -0.000+/-0.000 χ²/NDF: 172.2/69
In: 0.000+/-0.000 χ²/NDF:74.1/55
Out: -0.000+/-0.000 χ²/NDF:195.4/61
All: -0.000+/-0.000 χ²/NDF: 275.4/117


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 6727683.2/32
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 9641937.4/36
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
Left: 0.001+/-0.000 χ²/NDF: 27882769.2/47
Right: 0.002+/-0.000 χ²/NDF: 16497011.9/69
In: 0.002+/-0.000 χ²/NDF:11974963.9/55
Out: 0.001+/-0.000 χ²/NDF:35600016.1/61
All: 0.002+/-0.000 χ²/NDF: 55340609.7/117



Right In: -0.006+/-0.009 χ^2/NDF: 57.5/32

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

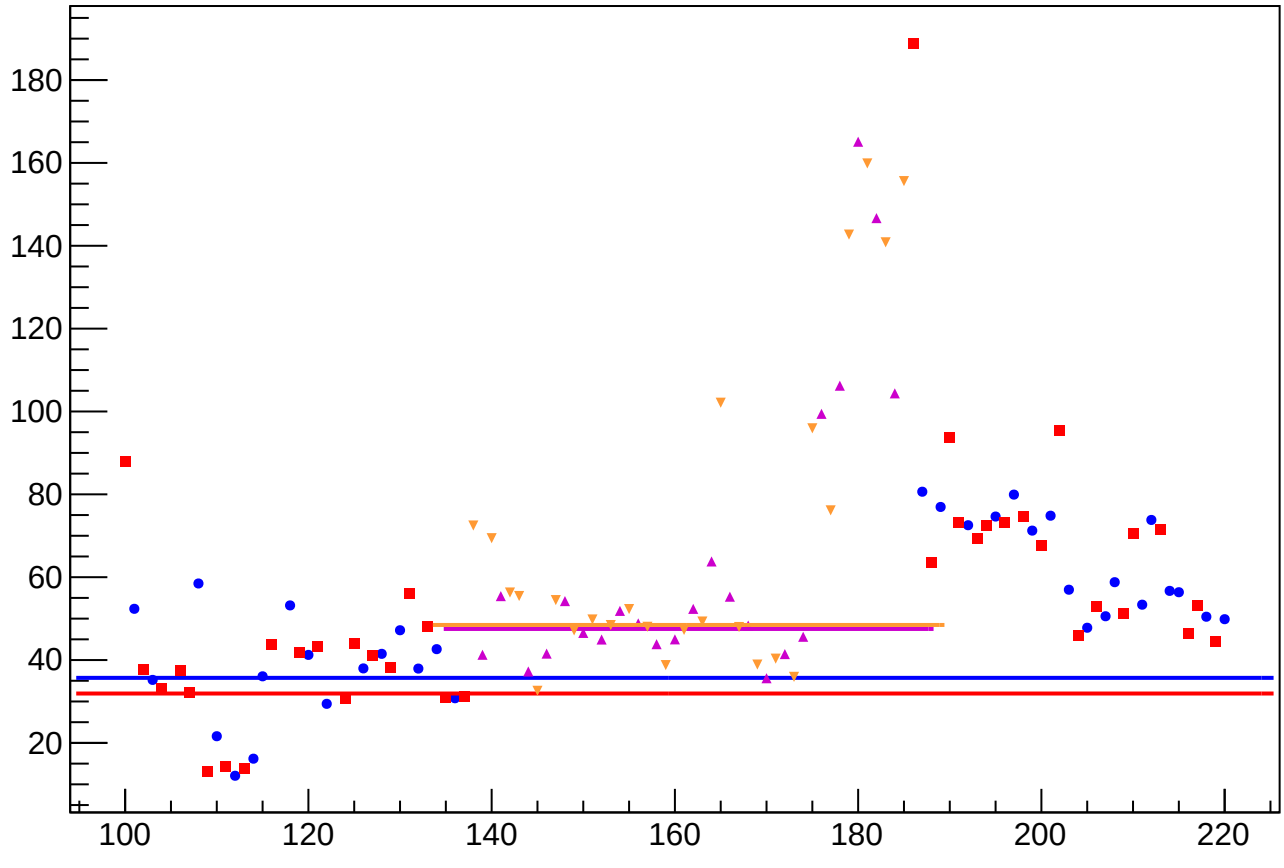
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.010+/-0.006 χ^2/NDF: 255.5/69

In: -0.001+/-0.007 χ^2/NDF:81.5/55

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.006+/-0.005 χ^2/NDF: 303.8/117



Right In: 35.703+/-0.007 χ^2/NDF: 9383373.7/32

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

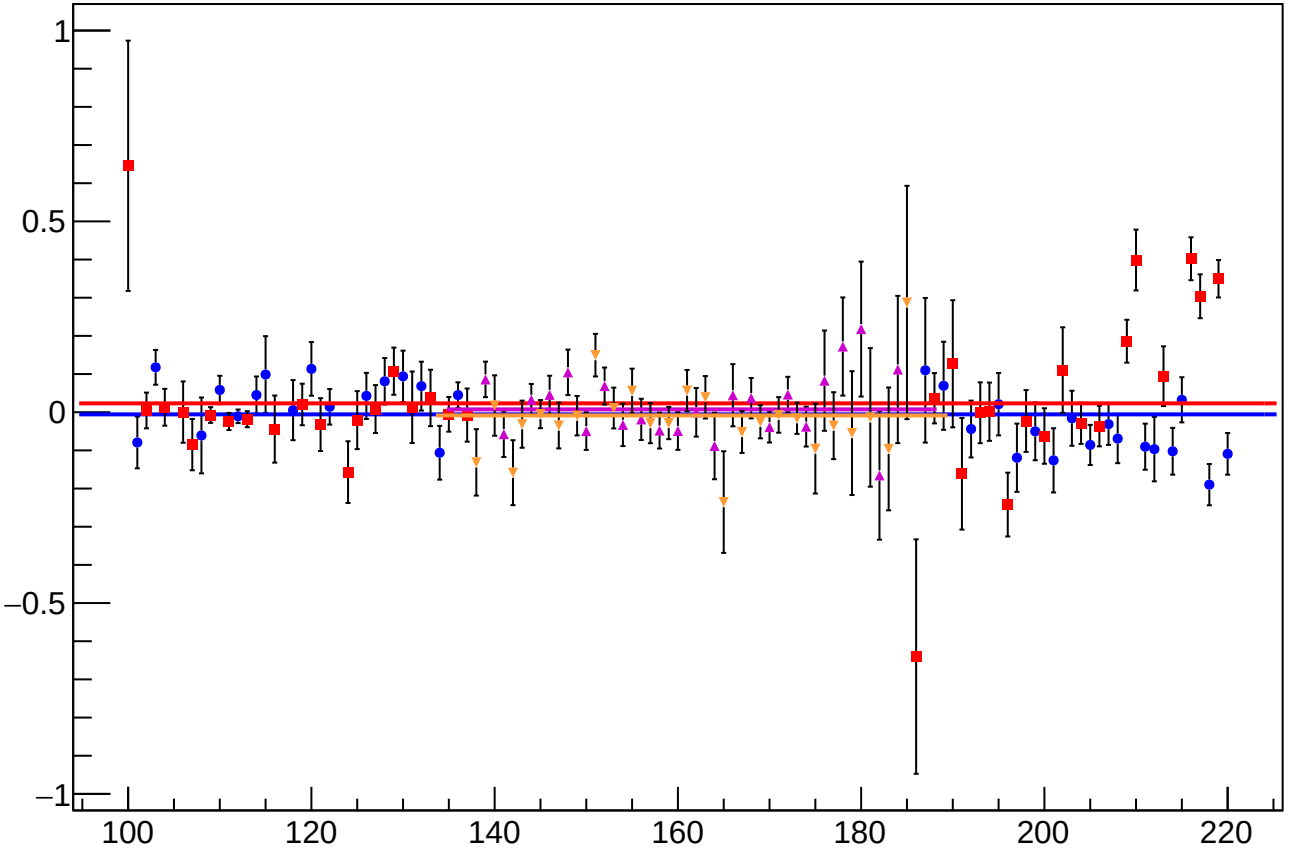
Right: 33.653+/-0.004 χ^2/NDF: 21319060.1/69

In: 40.057+/-0.005 χ^2/NDF:13672875.8/55

Out: 37.406+/-0.005 χ^2/NDF:18666691.2/61

All: 38.658+/-0.004 χ^2/NDF: 32478496.7/117

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.009 χ^2/NDF: 57.5/32

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

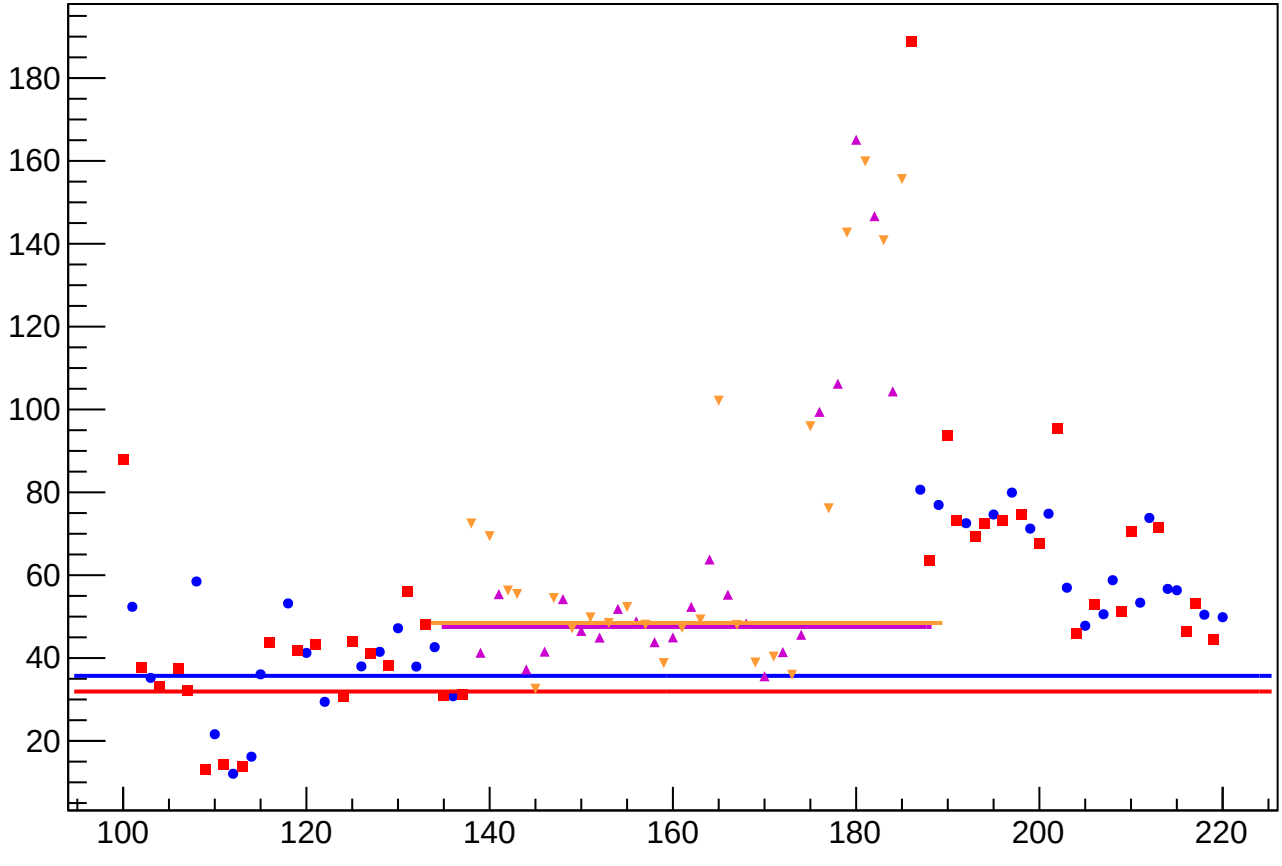
Right: 0.010+/-0.006 χ^2/NDF: 255.5/69

In: -0.001+/-0.007 χ^2/NDF:81.5/55

Out: 0.013+/-0.007 χ^2/NDF:220.5/61

All: 0.006+/-0.005 χ^2/NDF: 303.8/117

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.703+/-0.007 χ^2/NDF: 9383373.7/32

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

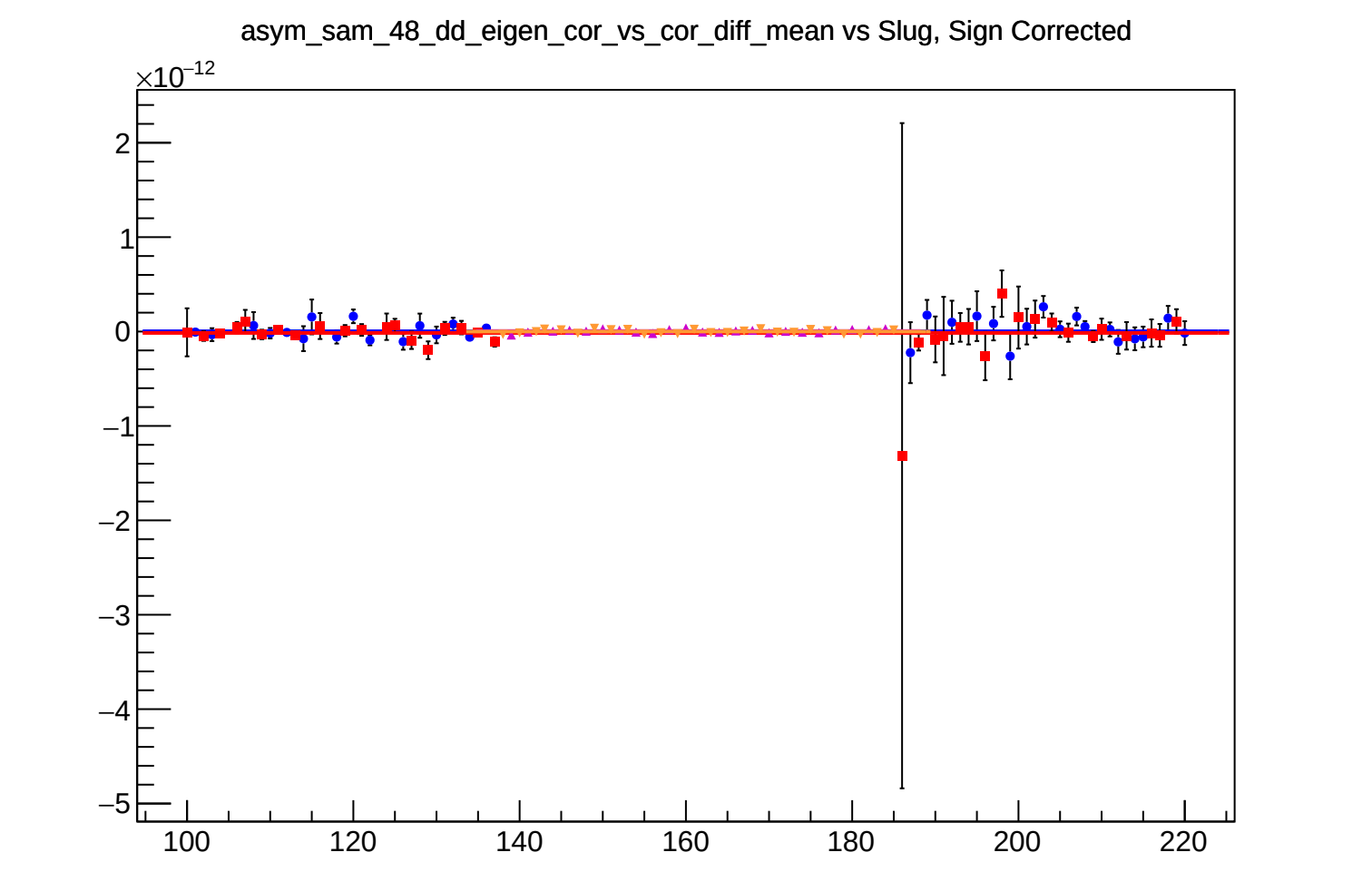
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 33.653+/-0.004 χ^2/NDF: 21319060.1/69

In: 40.057+/-0.005 χ^2/NDF:13672875.8/55

Out: 37.406+/-0.005 χ^2/NDF:18666691.2/61

All: 38.658+/-0.004 χ^2/NDF: 32478496.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/36

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

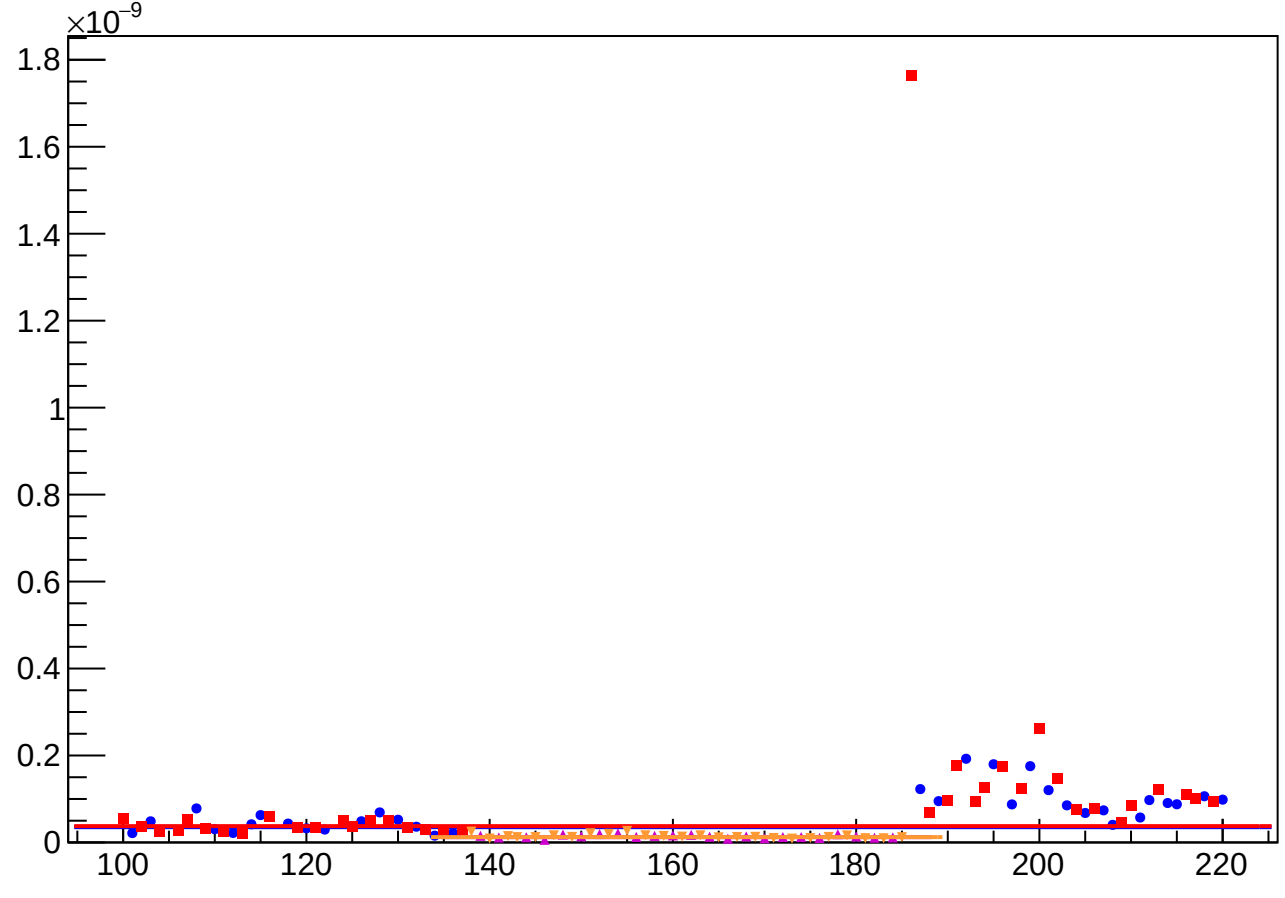
Right: -0.000+/-0.000 χ^2/NDF: 59.6/69

In: 0.000+/-0.000 χ^2/NDF:53.5/55

Out: -0.000+/-0.000 χ^2/NDF:57.0/61

All: 0.000+/-0.000 χ^2/NDF: 112.1/117

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9520920.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9100477.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

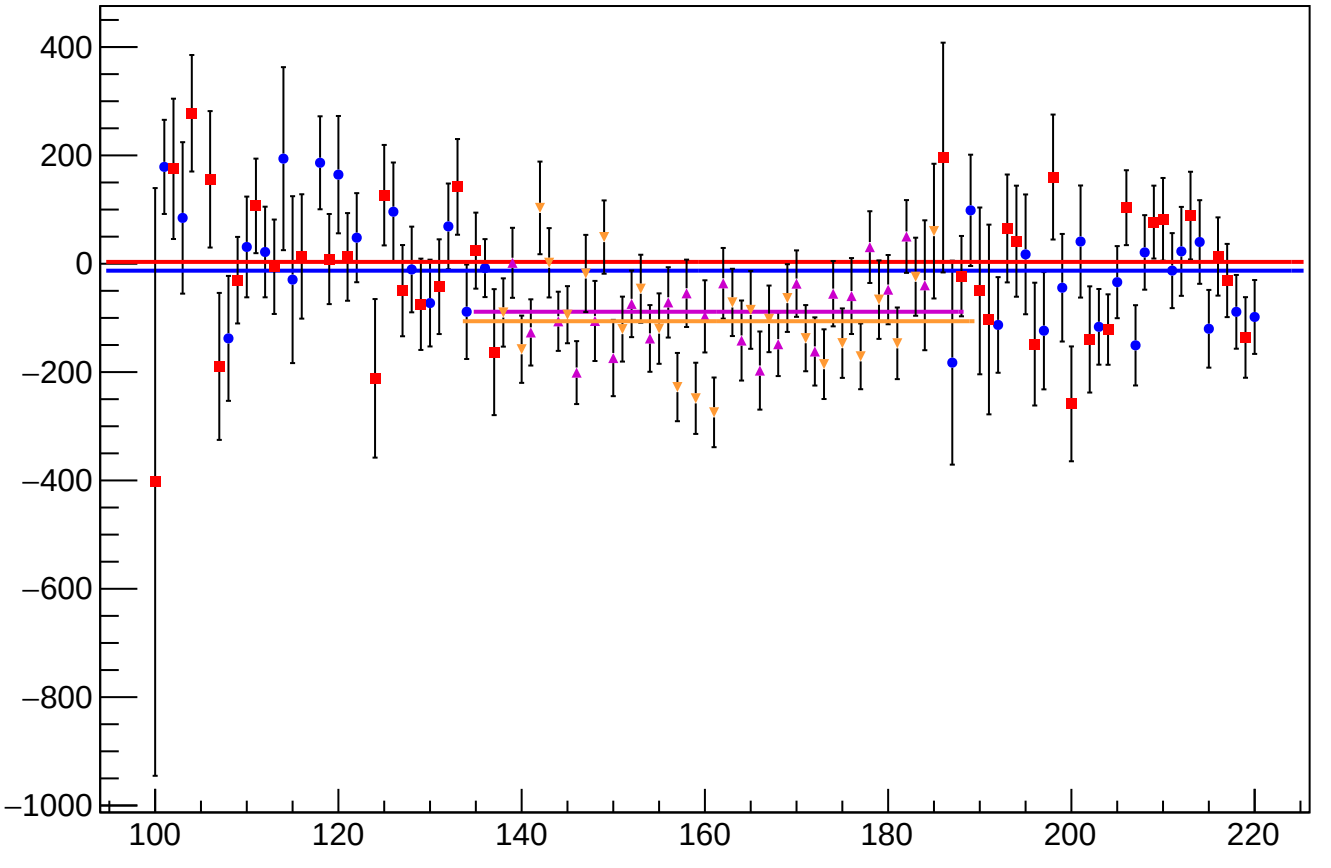
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 18660910.2/69

In: 0.000+/-0.000 χ^2/NDF:18630781.5/55

Out: 0.000+/-0.000 χ^2/NDF:18990667.4/61

All: 0.000+/-0.000 χ^2/NDF: 37621735.0/117



Right In: -12.813+/-14.699 χ^2/NDF: 37.3/32

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 3.392+/-15.000 χ^2/NDF: 50.8/36

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

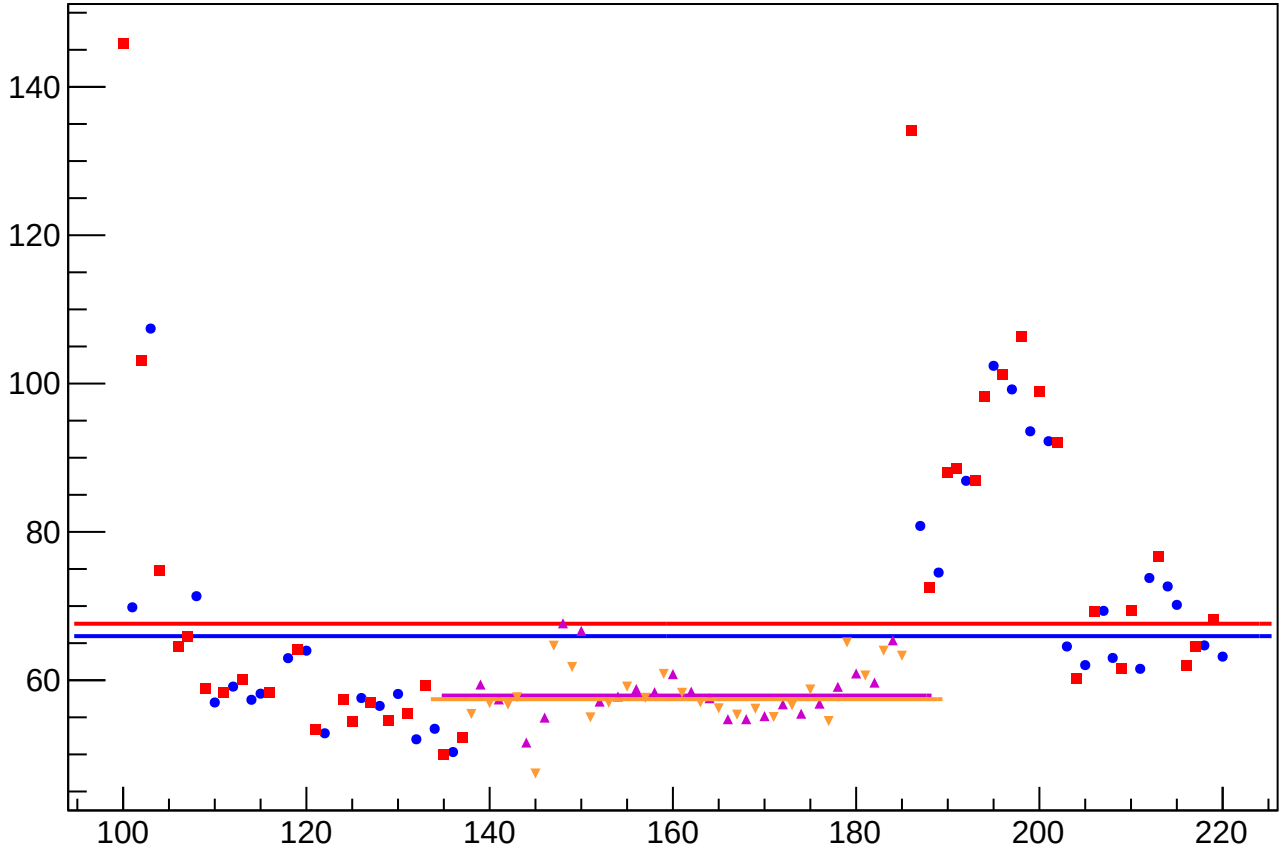
Right: -4.875+/-10.499 χ^2/NDF: 88.7/69

In: -53.748+/-9.969 χ^2/NDF:75.6/55

Out: -58.769+/-9.862 χ^2/NDF:121.7/61

All: -56.286+/-7.011 χ^2/NDF: 197.4/117

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.945+/-0.010 χ^2/NDF: 1514470.9/32

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.619+/-0.011 χ^2/NDF: 1998500.8/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

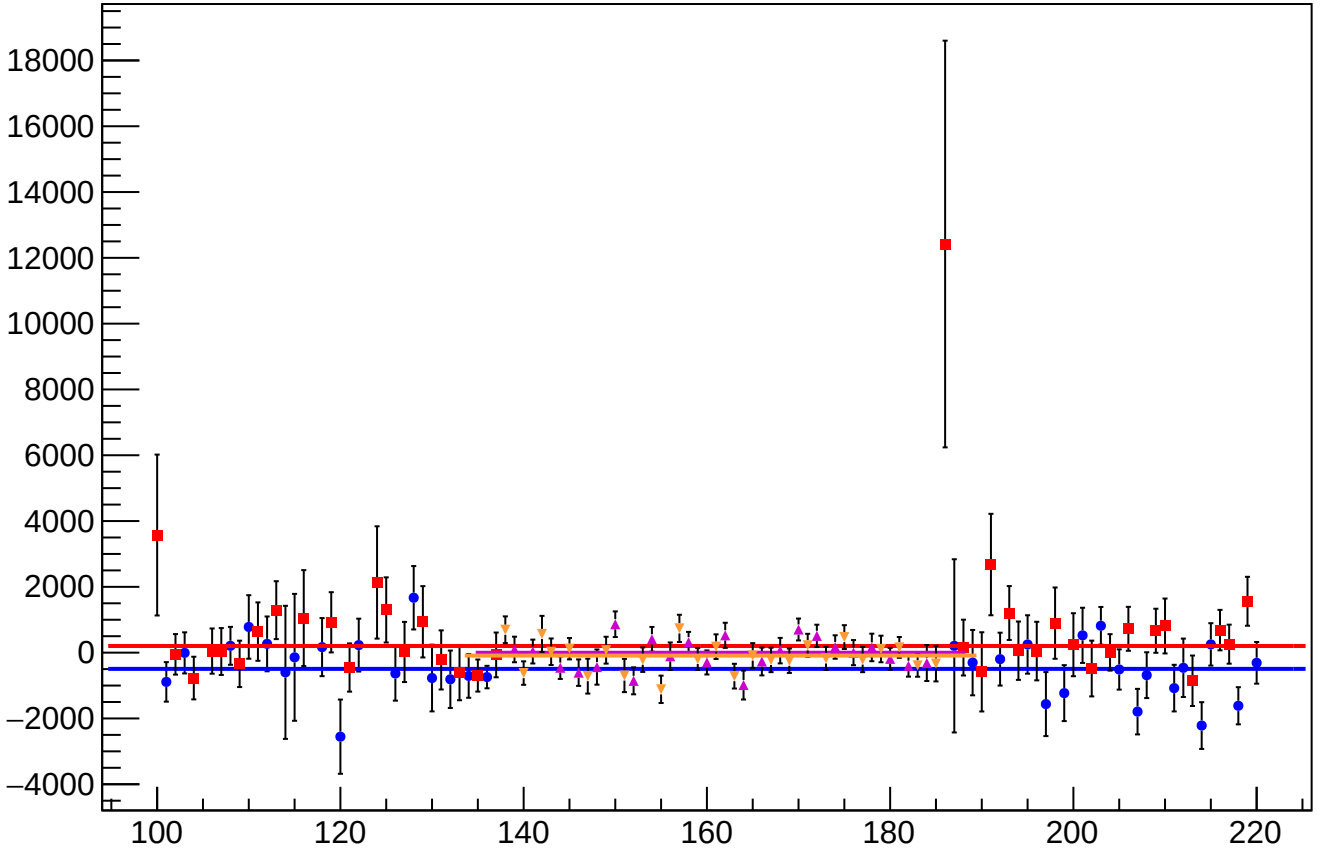
Right: 66.765+/-0.007 χ^2/NDF: 3525670.9/69

In: 61.618+/-0.007 χ^2/NDF:1971304.6/55

Out: 61.840+/-0.007 χ^2/NDF:2695855.1/61

All: 61.730+/-0.005 χ^2/NDF: 4667659.2/117

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -493.305+/-127.366 χ^2/NDF: 40.9/32

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 202.962+/-131.429 χ^2/NDF: 33.5/36

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

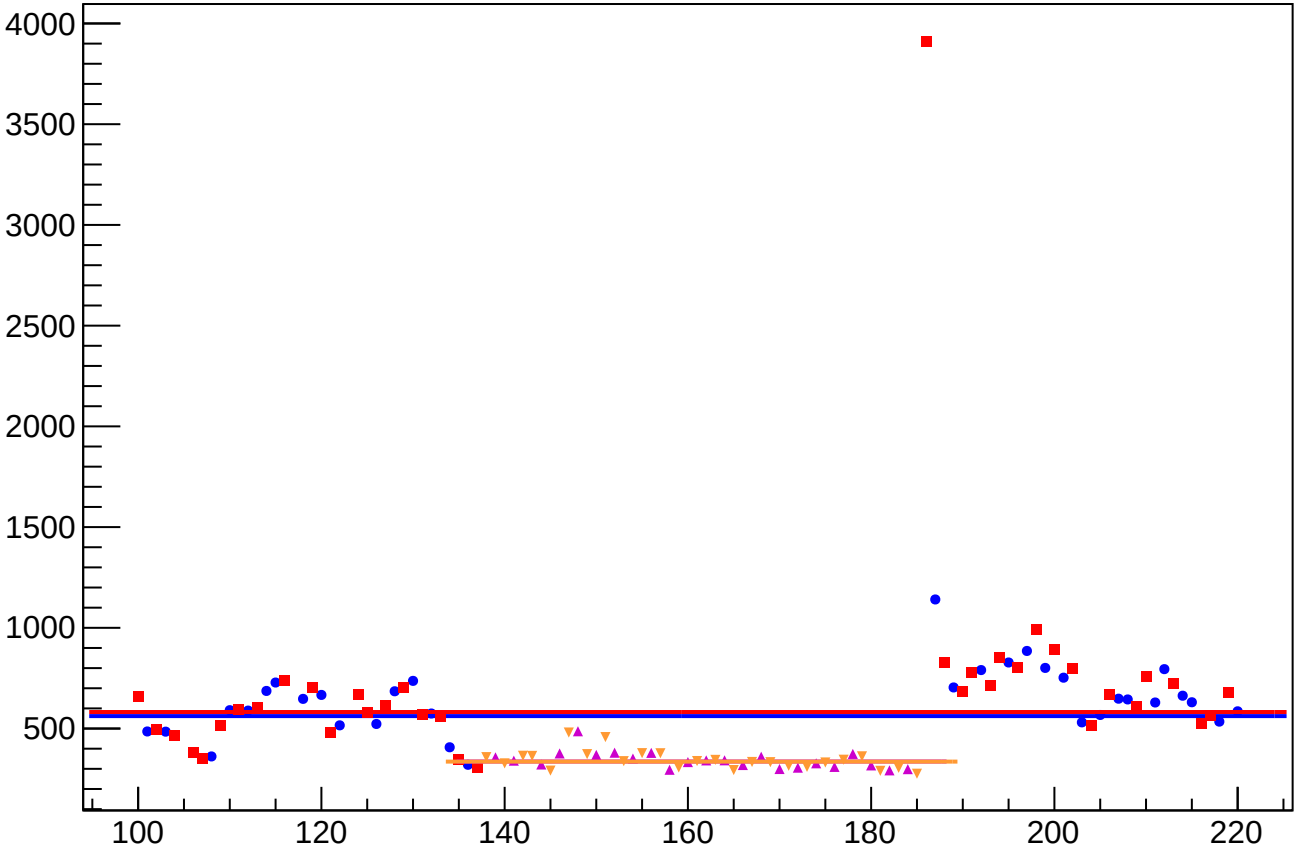
Right: -156.101+/-91.464 χ^2/NDF: 88.8/69

In: -139.737+/-67.253 χ^2/NDF:85.1/55

Out: -14.422+/-66.445 χ^2/NDF:67.0/61

All: -76.322+/-47.267 χ^2/NDF: 153.9/117

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 561.770+/-0.090 χ^2/NDF: 2834512.5/32

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 582.069+/-0.093 χ^2/NDF: 3491071.4/36

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

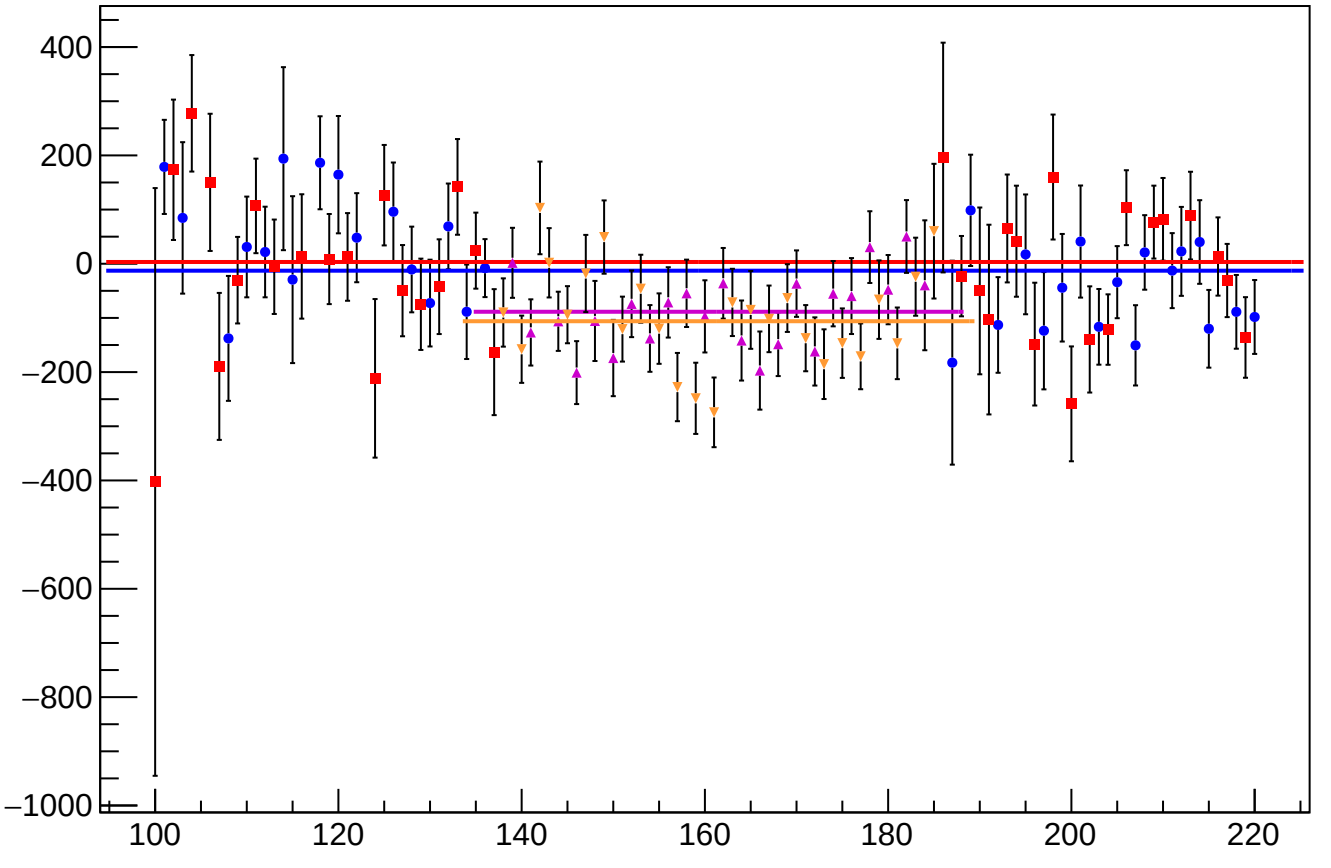
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 571.601+/-0.065 χ^2/NDF: 6350186.5/69

In: 399.196+/-0.048 χ^2/NDF:7767096.6/55

Out: 398.813+/-0.047 χ^2/NDF:9248232.7/61

All: 399.002+/-0.033 χ^2/NDF: 17015362.1/11



Right In: -12.817+/-14.699 χ^2/NDF: 37.3/32

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 3.264+/-15.002 χ^2/NDF: 50.6/36

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

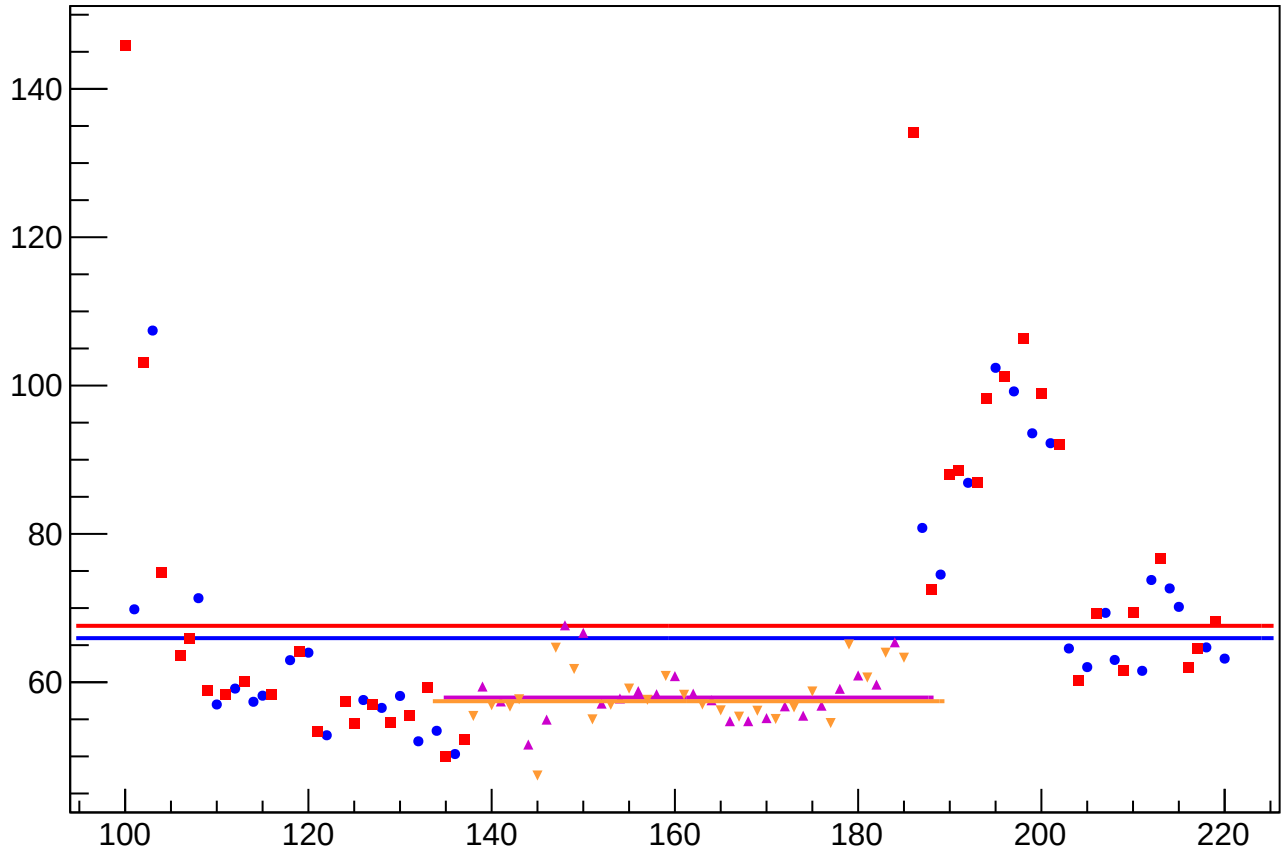
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -4.941+/-10.499 χ^2/NDF: 88.5/69

In: -53.752+/-9.969 χ^2/NDF:75.6/55

Out: -58.830+/-9.863 χ^2/NDF:121.5/61

All: -56.318+/-7.011 χ^2/NDF: 197.2/117



Right In: 65.945+/-0.010 χ^2/NDF: 1514472.8/32

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

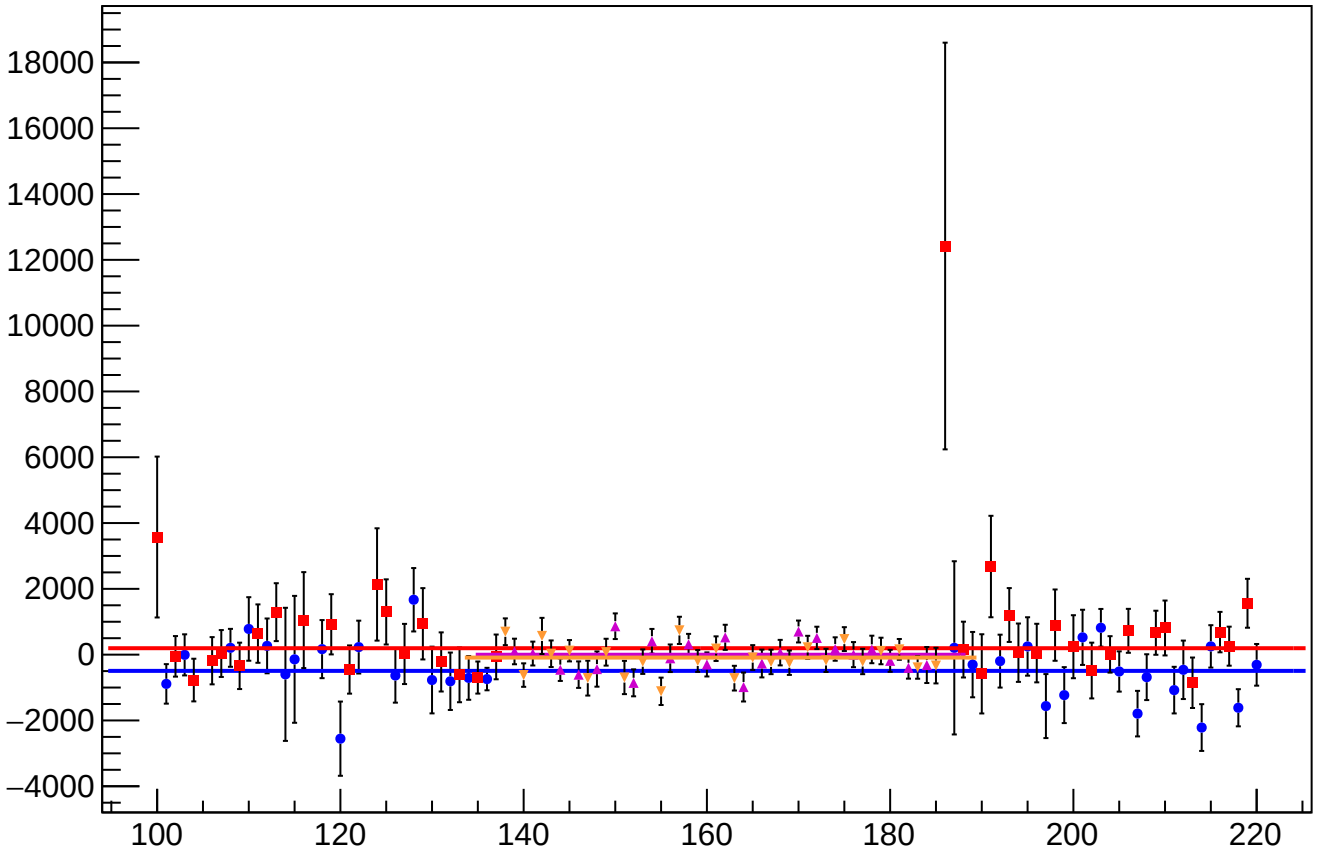
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.758+/-0.007 χ^2/NDF: 3526537.2/69

In: 61.618+/-0.007 χ^2/NDF:1971306.6/55

Out: 61.834+/-0.007 χ^2/NDF:2695513.3/61

All: 61.727+/-0.005 χ^2/NDF: 4667292.2/117



Right In: -493.292+/-127.366 χ^2/NDF: 40.9/32

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 195.639+/-131.638 χ^2/NDF: 33.7/36

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

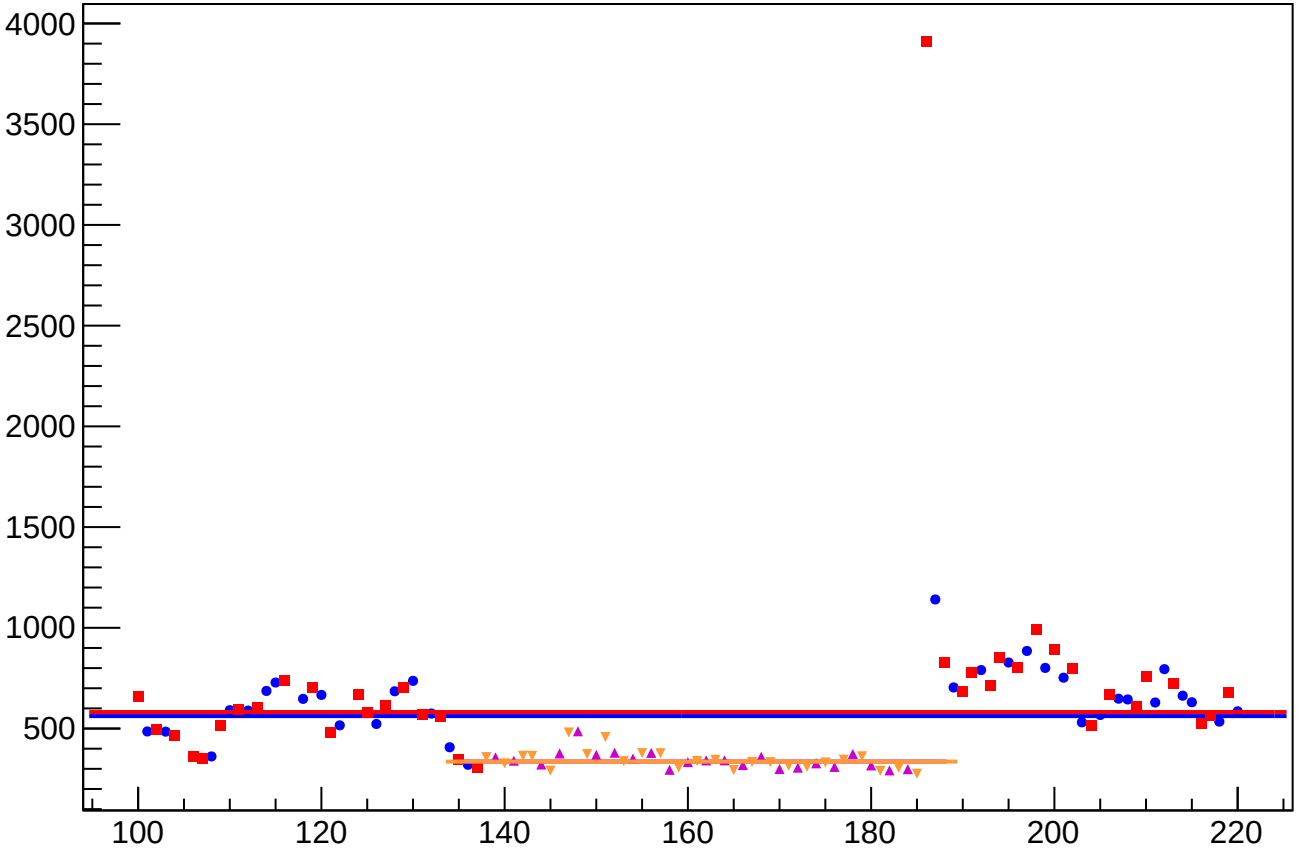
Right: -160.186+/-91.534 χ^2/NDF: 88.7/69

In: -139.734+/-67.253 χ^2/NDF:85.1/55

Out: -16.468+/-66.472 χ^2/NDF:67.1/61

All: -77.381+/-47.276 χ^2/NDF: 153.9/117

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 561.772+/-0.090 χ^2/NDF: 2834478.5/32

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

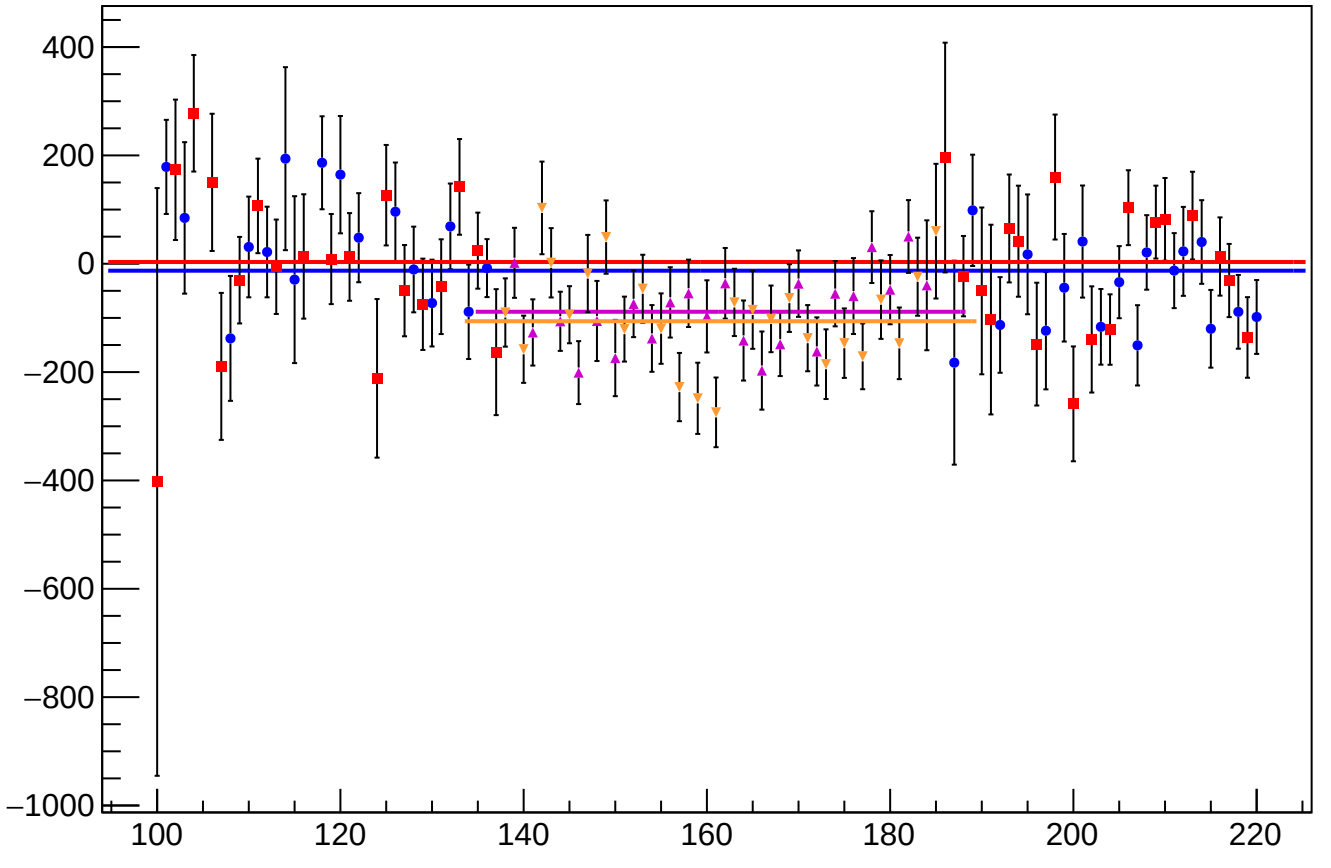
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 571.559+/-0.065 χ^2/NDF: 6369392.7/69

In: 399.196+/-0.048 χ^2/NDF:7767124.1/55

Out: 398.650+/-0.047 χ^2/NDF:9252986.1/61

All: 398.920+/-0.033 χ^2/NDF: 17020176.7/1



Right In: -12.817+/-14.699 χ^2/NDF: 37.3/32

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 3.264+/-15.002 χ^2/NDF: 50.6/36

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

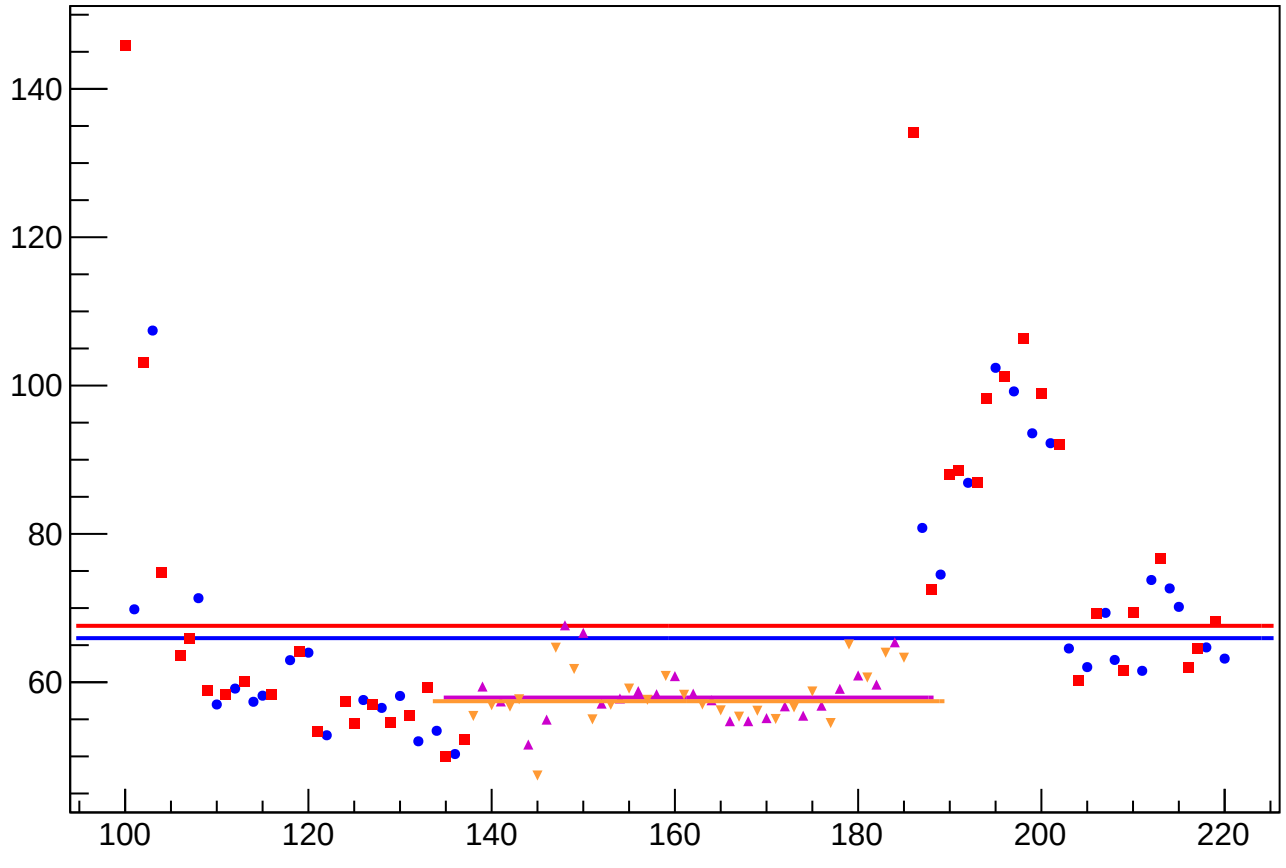
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -4.941+/-10.499 χ^2/NDF: 88.5/69

In: -53.752+/-9.969 χ^2/NDF:75.6/55

Out: -58.830+/-9.863 χ^2/NDF:121.5/61

All: -56.318+/-7.011 χ^2/NDF: 197.2/117



Right In: 65.945+/-0.010 χ^2/NDF: 1514472.8/32

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

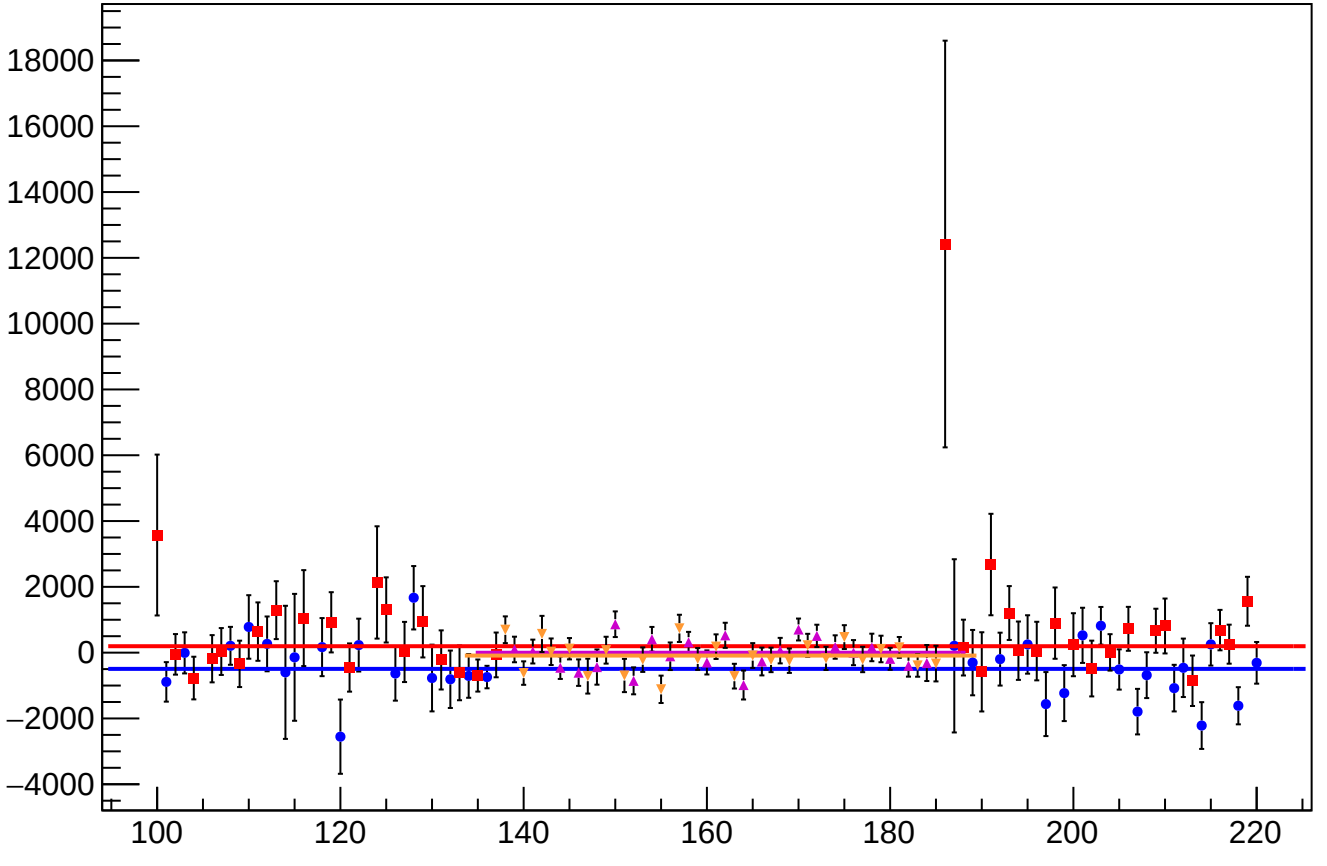
Right: 66.758+/-0.007 χ^2/NDF: 3526537.2/69

In: 61.618+/-0.007 χ^2/NDF:1971306.6/55

Out: 61.834+/-0.007 χ^2/NDF:2695513.3/61

All: 61.727+/-0.005 χ^2/NDF: 4667292.2/117

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -493.292+/-127.366 χ^2/NDF: 40.9/32

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 195.639+/-131.638 χ^2/NDF: 33.7/36

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

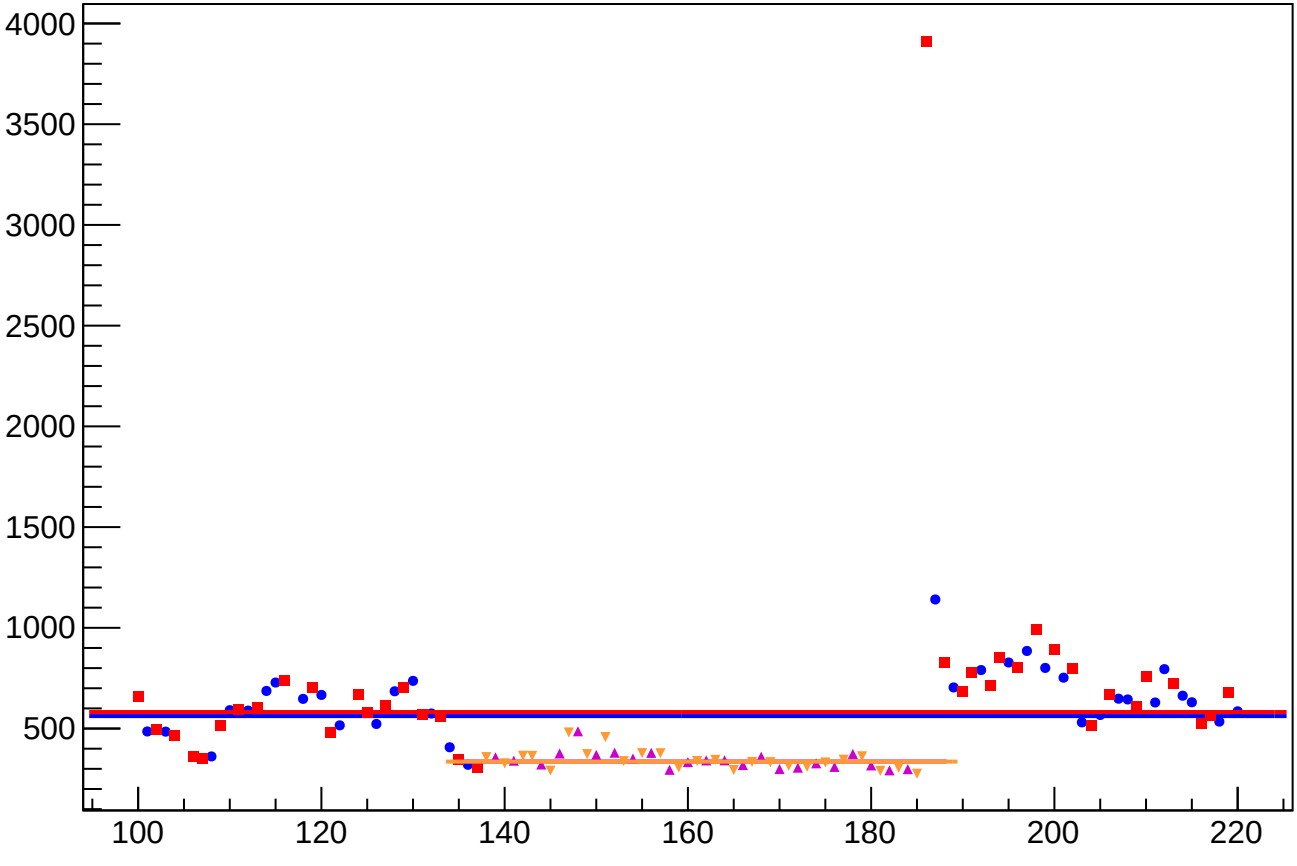
Right: -160.186+/-91.534 χ^2/NDF: 88.7/69

In: -139.734+/-67.253 χ^2/NDF:85.1/55

Out: -16.468+/-66.472 χ^2/NDF:67.1/61

All: -77.381+/-47.276 χ^2/NDF: 153.9/117

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 561.772+/-0.090 χ^2/NDF: 2834478.5/32

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

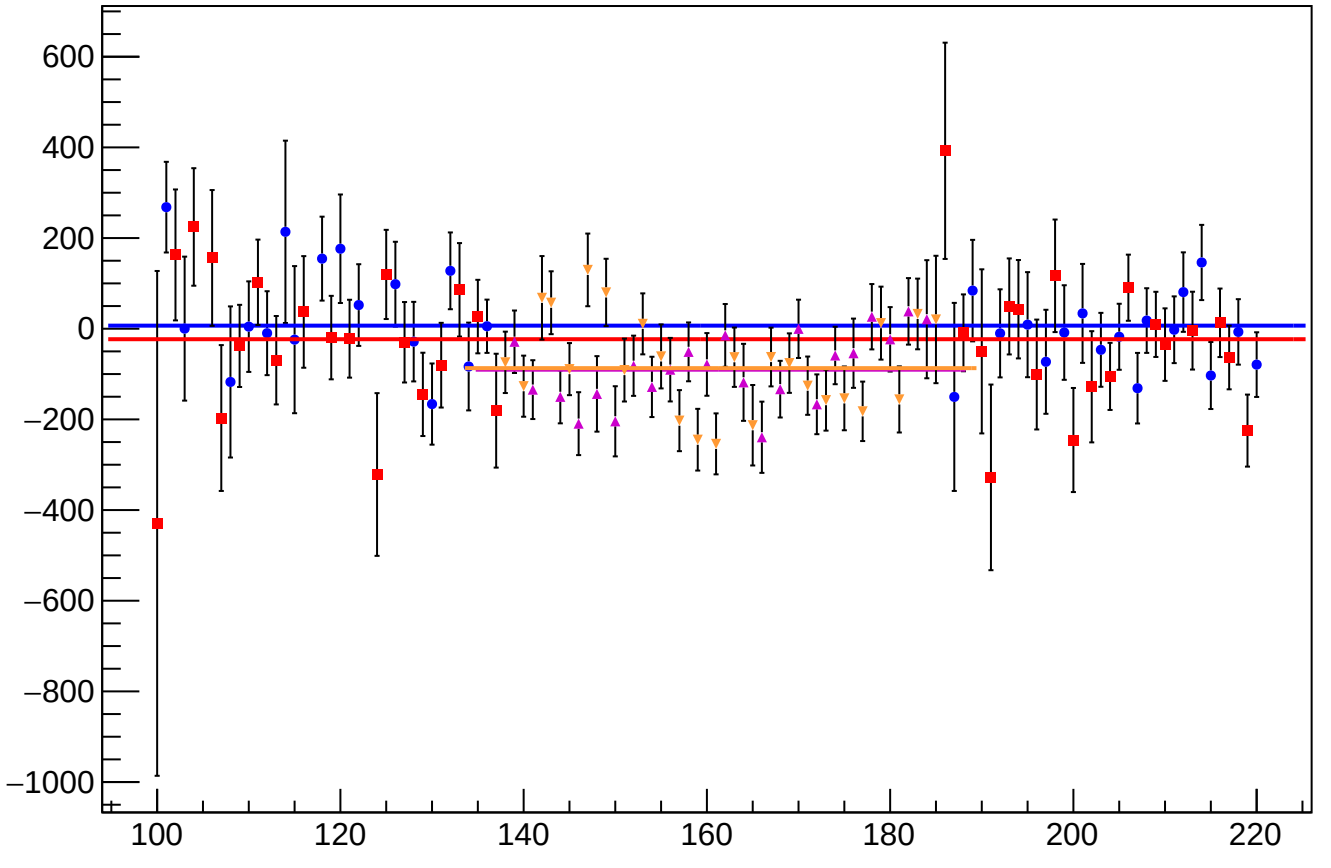
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 571.559+/-0.065 χ^2/NDF: 6369392.7/69

In: 399.196+/-0.048 χ^2/NDF:7767124.1/55

Out: 398.650+/-0.047 χ^2/NDF:9252986.1/61

All: 398.920+/-0.033 χ^2/NDF: 17020176.7/1



Right In: 6.796+/-15.936 χ^2/NDF: 33.7/32

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -23.135+/-16.418 χ^2/NDF: 44.0/36

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

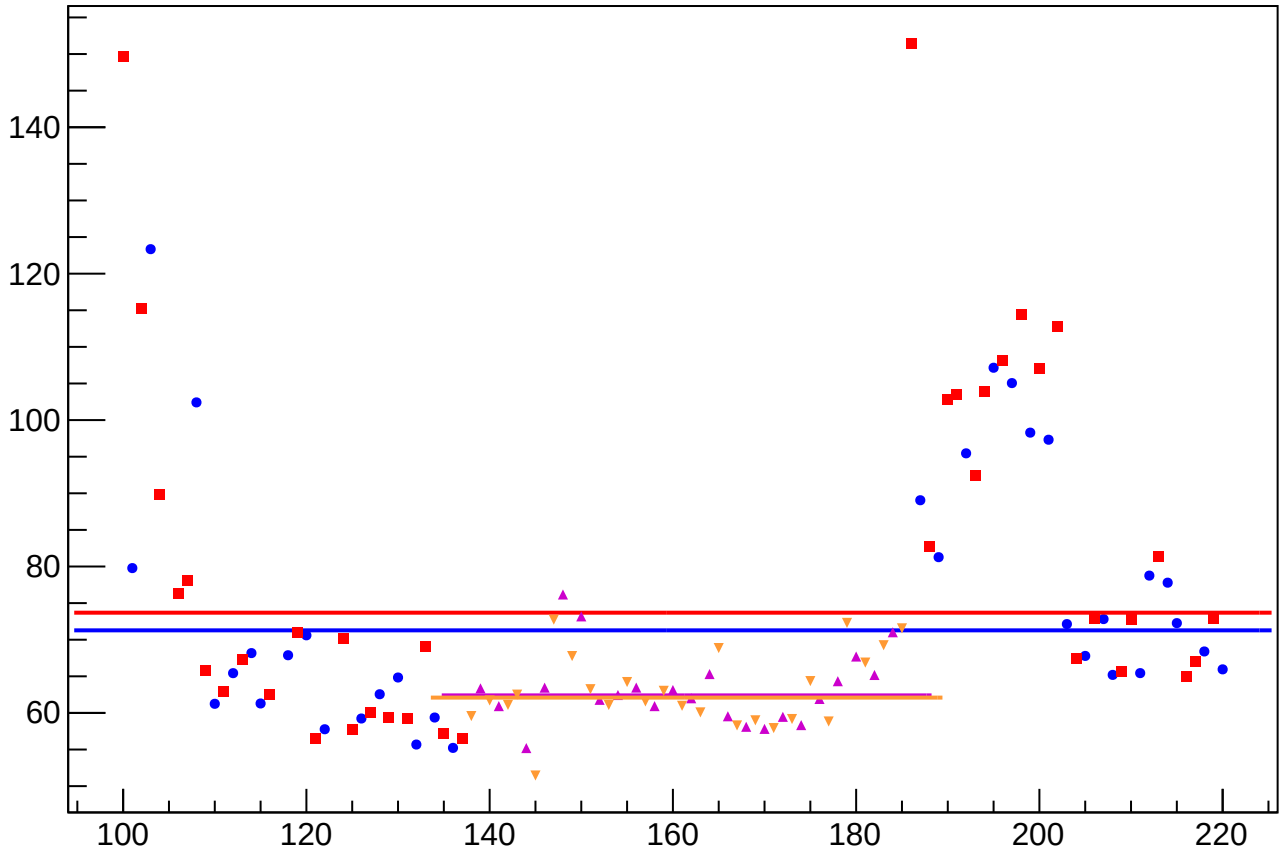
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -7.724+/-11.435 χ^2/NDF: 79.4/69

In: -45.841+/-10.788 χ^2/NDF:78.9/55

Out: -59.701+/-10.729 χ^2/NDF:101.5/61

All: -52.809+/-7.607 χ^2/NDF: 181.2/117



Right In: 71.279+/-0.011 χ^2/NDF: 1535721.6/32

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 73.692+/-0.012 χ^2/NDF: 2103615.4/36

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

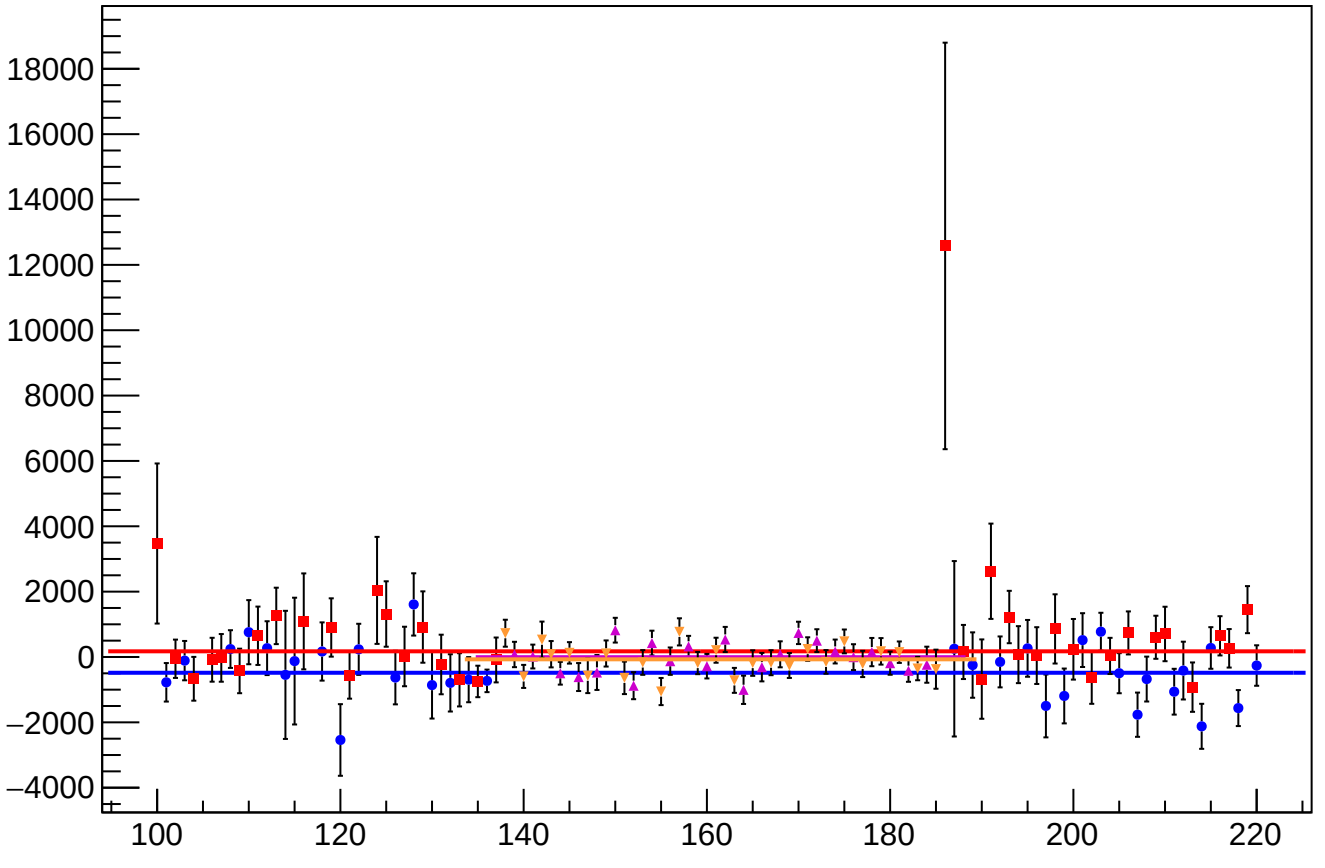
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 72.450+/-0.008 χ^2/NDF: 3661578.6/69

In: 66.466+/-0.008 χ^2/NDF:2061268.5/55

Out: 67.047+/-0.008 χ^2/NDF:2908881.1/61

All: 66.758+/-0.005 χ^2/NDF: 4973061.8/117



Right In: -482.819+/-126.431 χ^2/NDF: 39.8/32

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 173.537+/-129.686 χ^2/NDF: 34.7/36

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

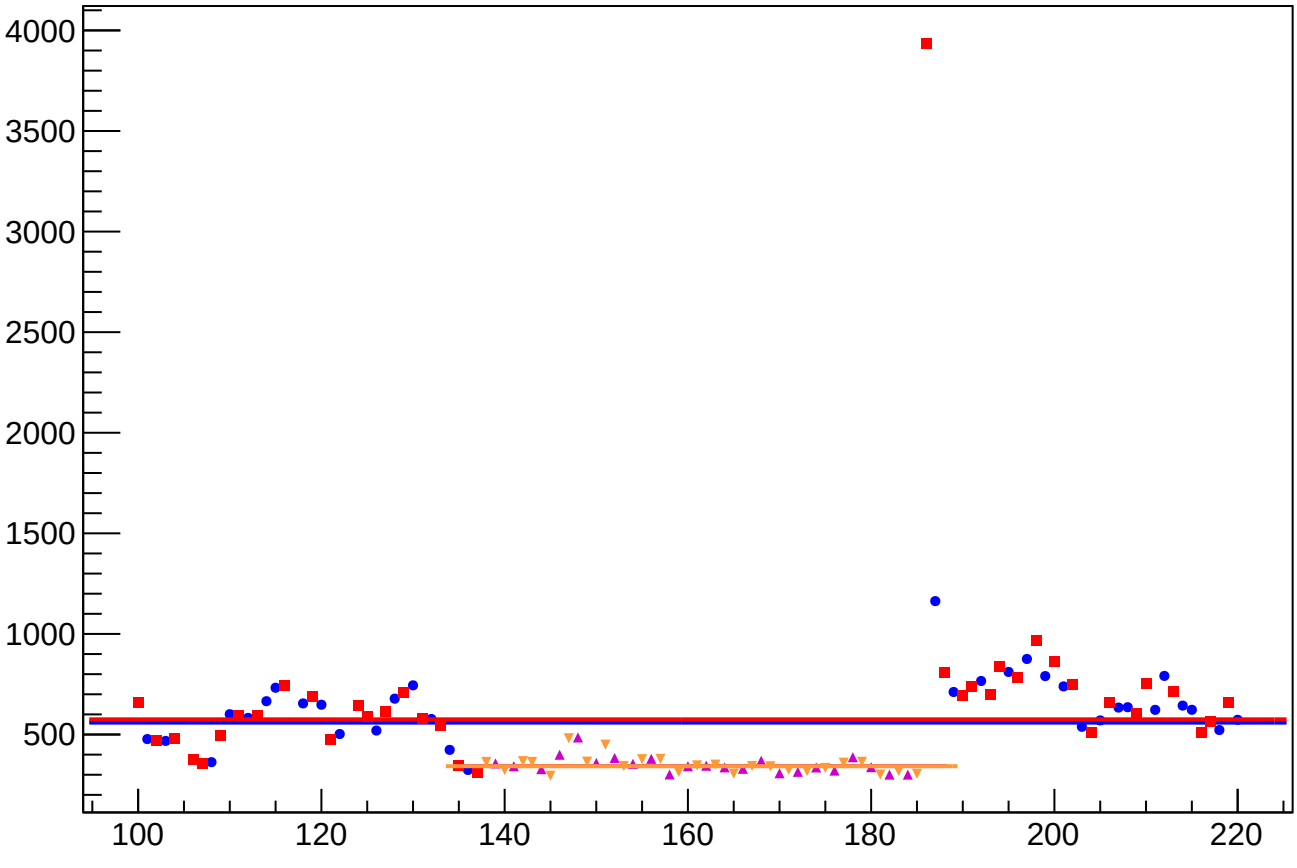
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -162.981+/-90.529 χ^2/NDF: 87.6/69

In: -144.270+/-68.060 χ^2/NDF:83.9/55

Out: -5.788+/-67.092 χ^2/NDF:65.9/61

All: -74.038+/-47.780 χ^2/NDF: 151.9/117



Right In: 559.198+/-0.089 χ^2/NDF: 2688135.8/32

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 575.457+/-0.092 χ^2/NDF: 3350192.5/36

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

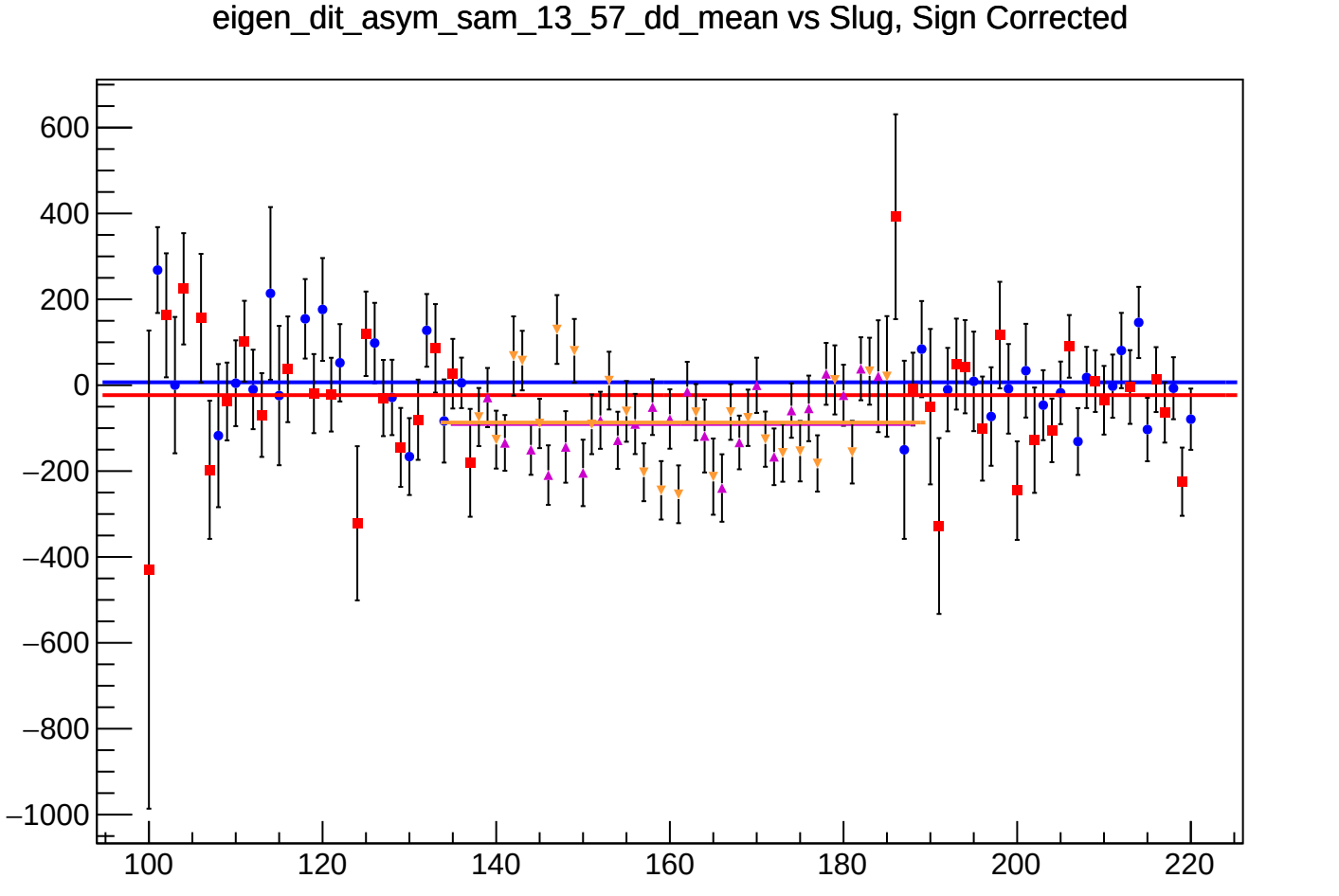
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 567.121+/-0.064 χ^2/NDF: 6054446.2/69

In: 405.825+/-0.048 χ^2/NDF:7205237.3/55

Out: 404.852+/-0.047 χ^2/NDF:8510559.4/61

All: 405.331+/-0.034 χ^2/NDF: 15716003.9/11



Right In: 6.797+/-15.936 χ^2/NDF: 33.7/32

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -23.135+/-16.418 χ^2/NDF: 44.0/36

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

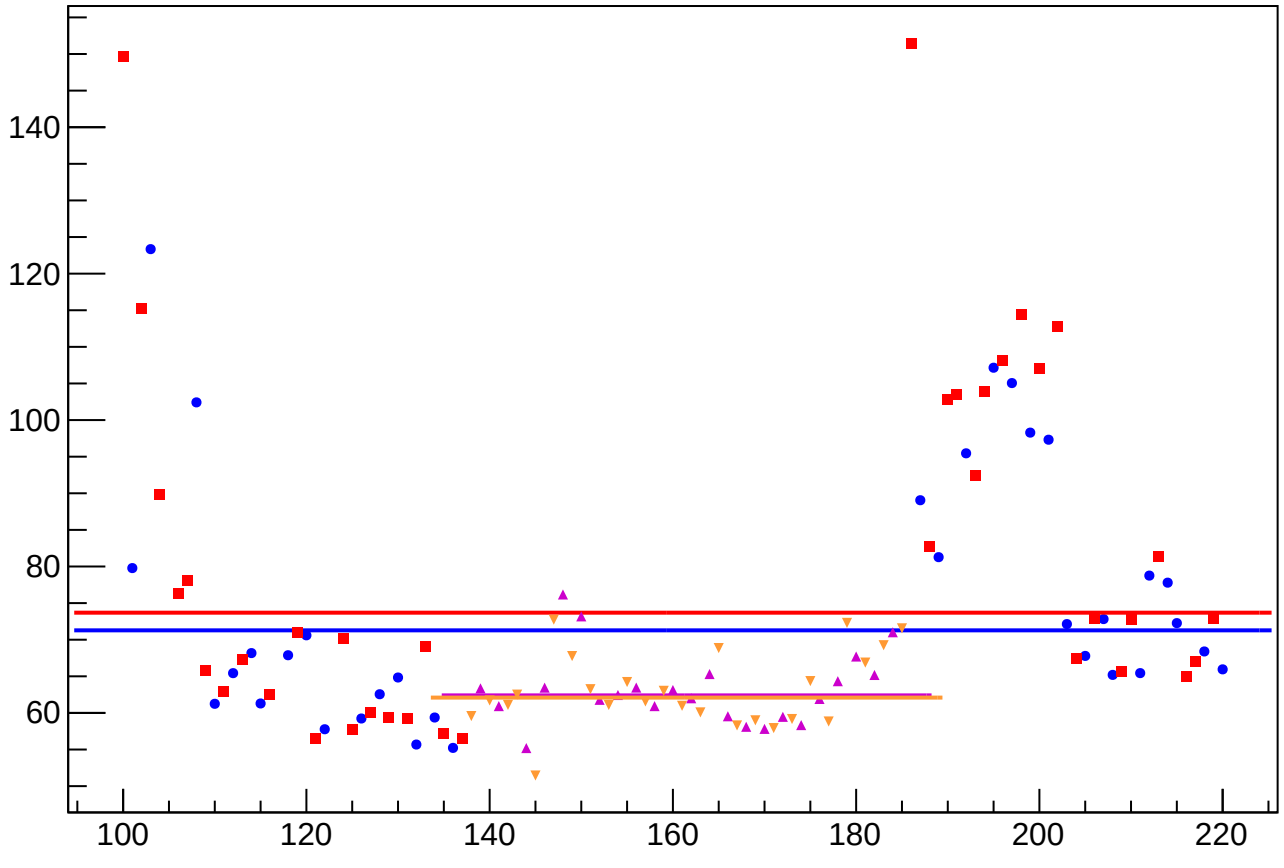
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -7.724+/-11.435 χ^2/NDF: 79.4/69

In: -45.841+/-10.788 χ^2/NDF:78.9/55

Out: -59.700+/-10.729 χ^2/NDF:101.5/61

All: -52.808+/-7.607 χ^2/NDF: 181.2/117



Right In: 71.279+/-0.011 χ^2/NDF: 1535745.2/32

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 73.692+/-0.012 χ^2/NDF: 2103619.3/36

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

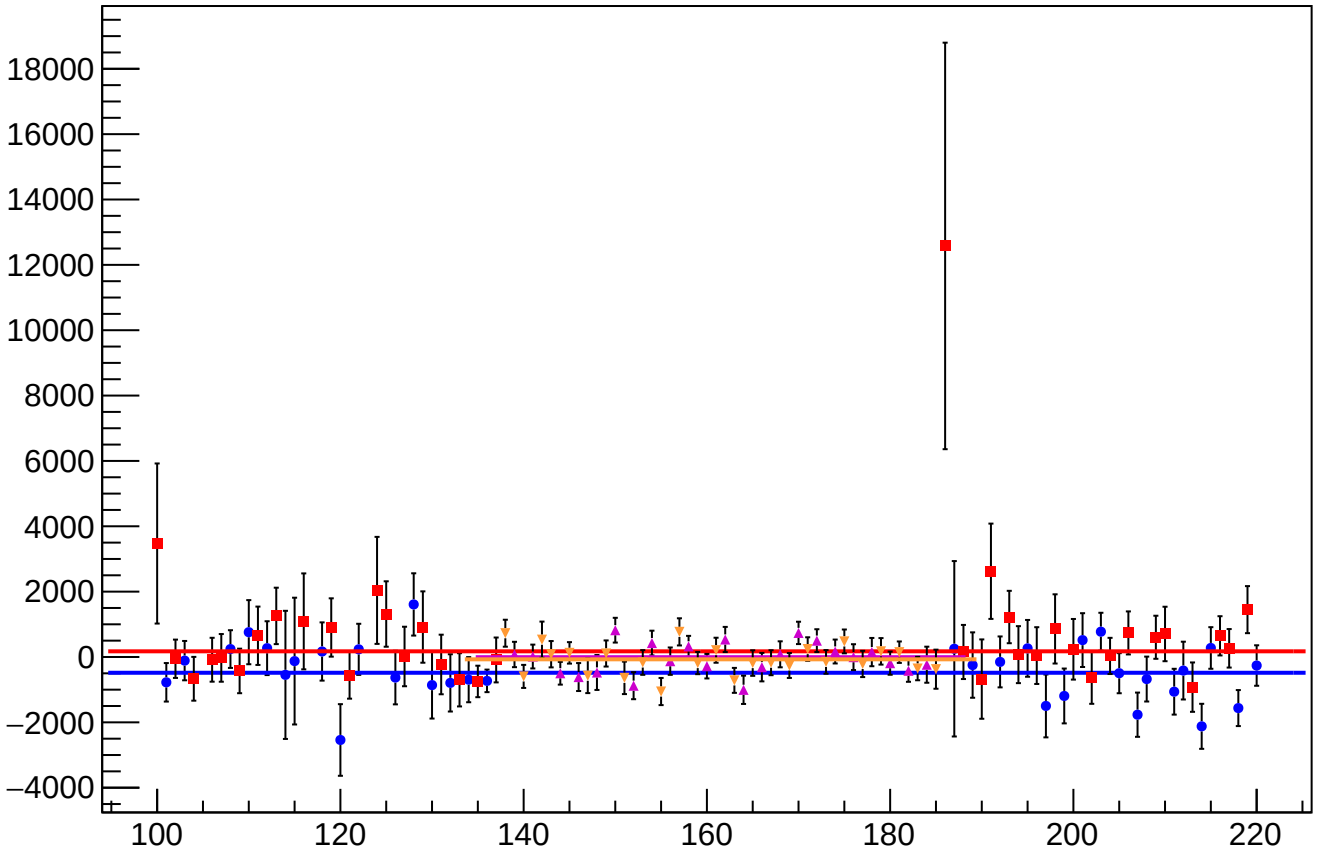
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 72.450+/-0.008 χ^2/NDF: 3661605.7/69

In: 66.466+/-0.008 χ^2/NDF:2061290.2/55

Out: 67.047+/-0.008 χ^2/NDF:2908884.4/61

All: 66.758+/-0.005 χ^2/NDF: 4973086.7/117



Right In: -482.818+/-126.431 χ^2/NDF: 39.8/32

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 173.537+/-129.685 χ^2/NDF: 34.7/36

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

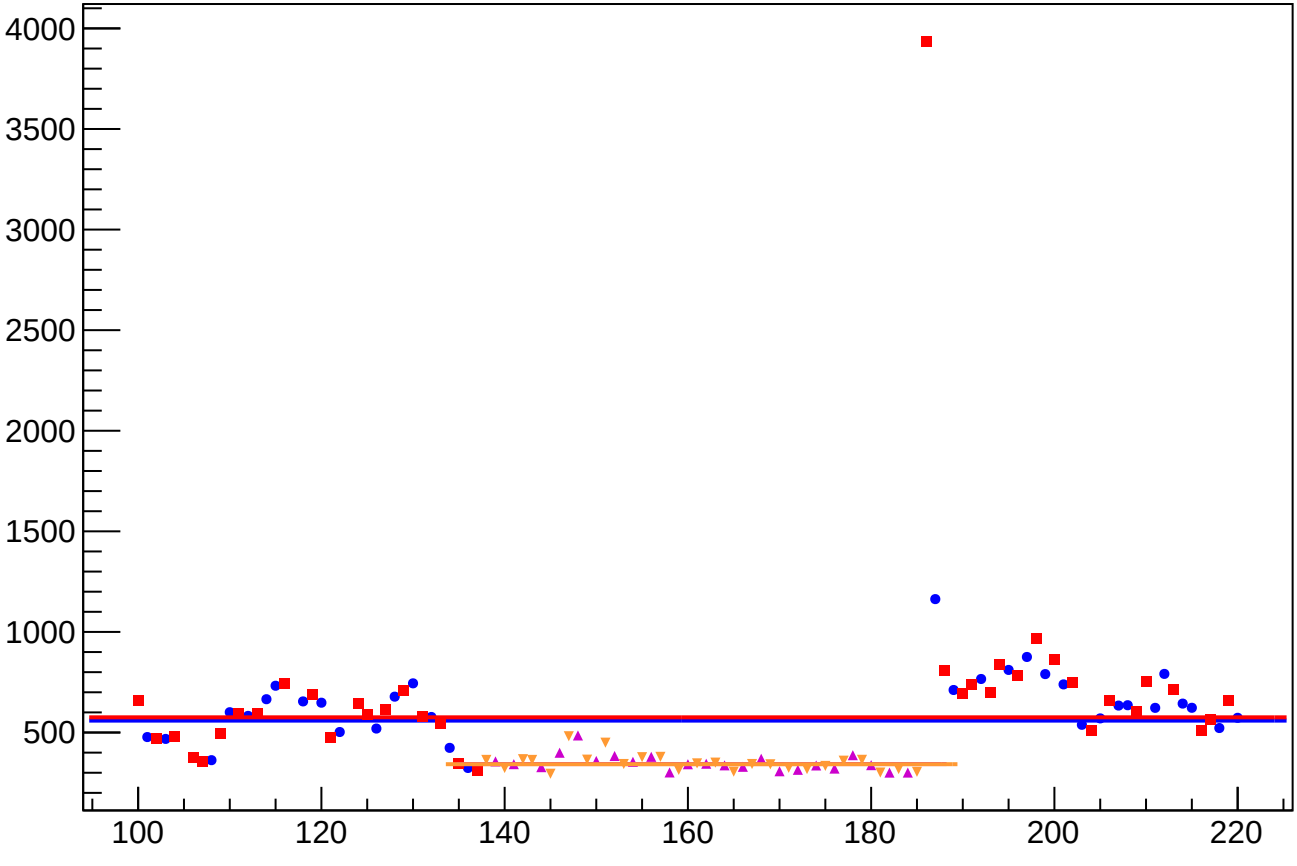
Right: -162.980+/-90.529 χ^2/NDF: 87.6/69

In: -144.270+/-68.060 χ^2/NDF:83.9/55

Out: -5.788+/-67.092 χ^2/NDF:65.9/61

All: -74.038+/-47.780 χ^2/NDF: 151.9/117

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 559.197+/-0.089 χ^2/NDF: 2688139.3/32

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 575.456+/-0.092 χ^2/NDF: 3350198.7/36

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

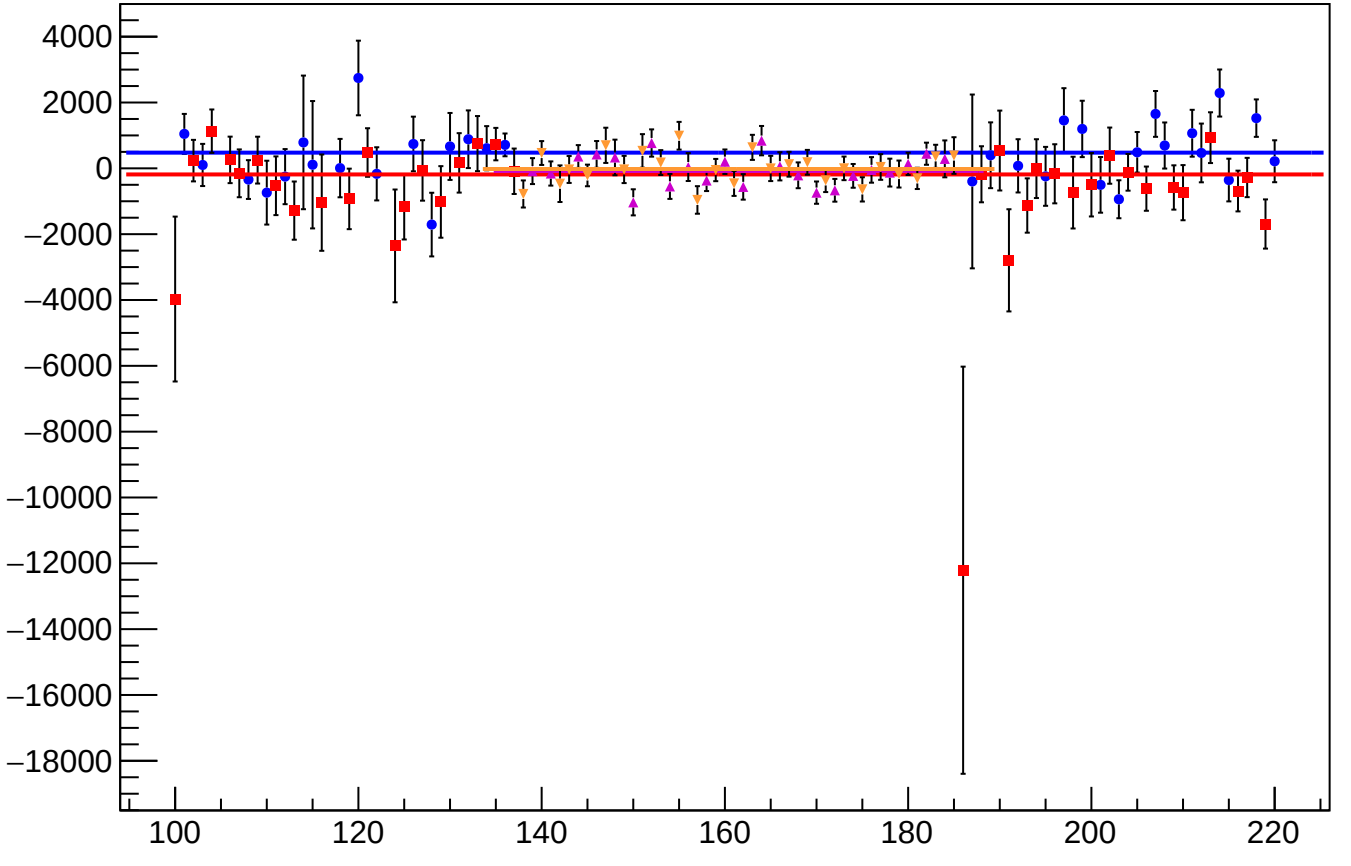
Right: 567.120+/-0.064 χ^2/NDF: 6054455.7/69

In: 405.825+/-0.048 χ^2/NDF:7205220.7/55

Out: 404.852+/-0.047 χ^2/NDF:8510546.2/61

All: 405.331+/-0.034 χ^2/NDF: 15715974.1/11

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 476.813+/-128.499 χ^2/NDF: 41.8/32

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -185.307+/-132.636 χ^2/NDF: 36.3/36

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

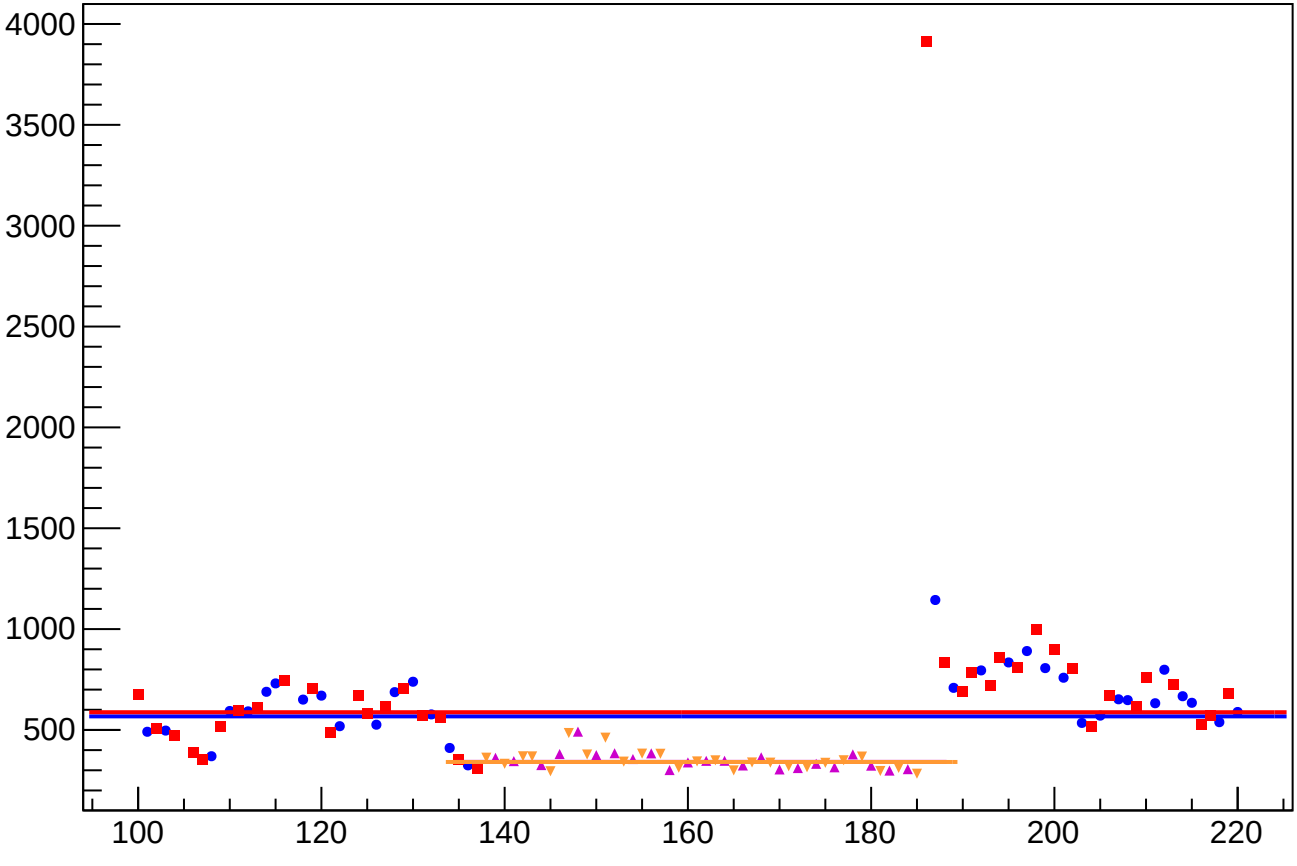
Right: 156.240+/-92.290 χ^2/NDF: 90.9/69

In: 77.604+/-68.164 χ^2/NDF:88.1/55

Out: -62.839+/-67.361 χ^2/NDF:68.9/61

All: 6.550+/-47.913 χ^2/NDF: 159.1/117

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 567.300+/-0.091 χ^2/NDF: 2766175.7/32

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 587.896+/-0.094 χ^2/NDF: 3421506.0/36

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

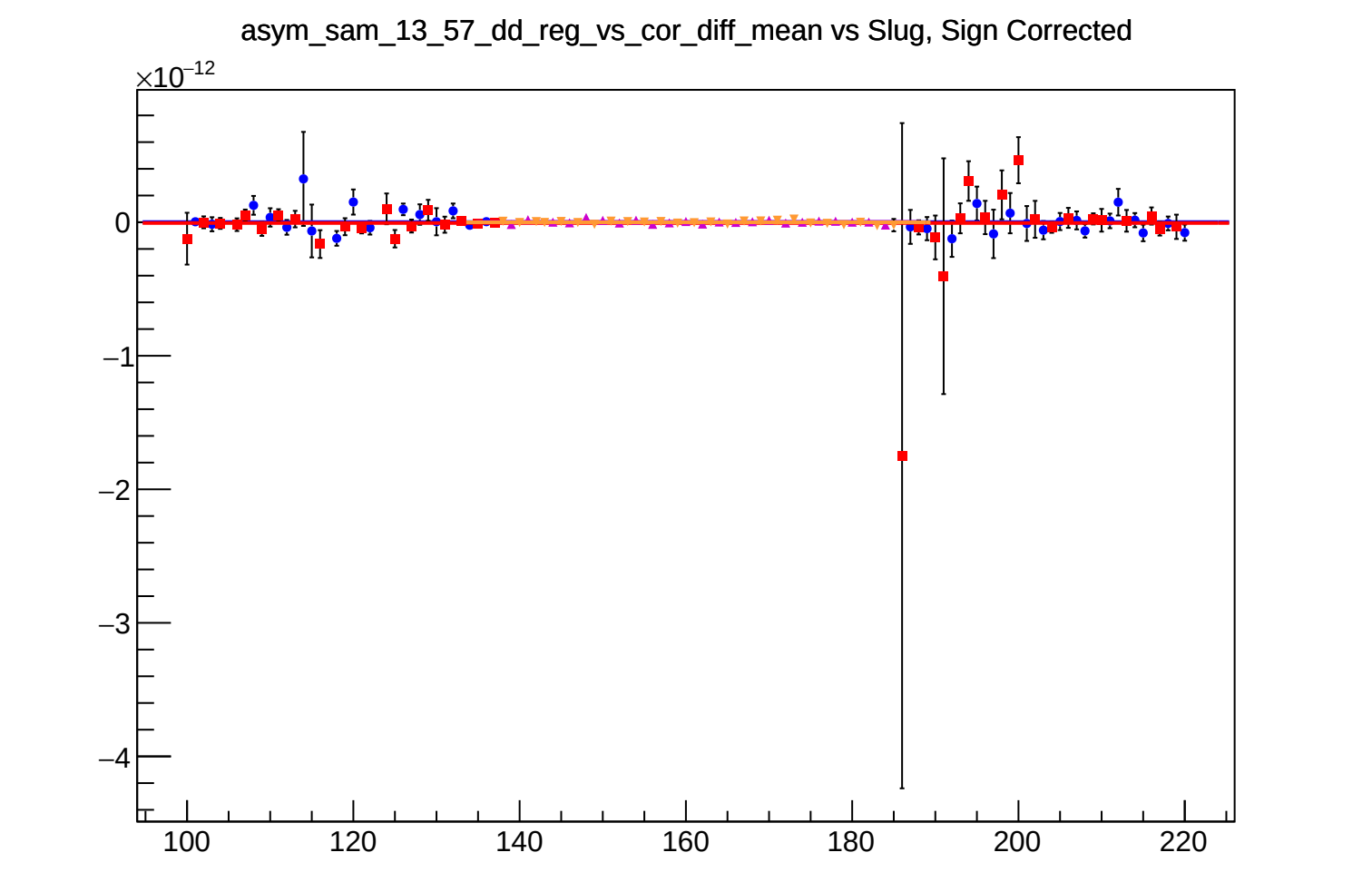
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 577.272+/-0.065 χ^2/NDF: 6212556.3/69

In: 405.126+/-0.048 χ^2/NDF:7596084.9/55

Out: 404.829+/-0.048 χ^2/NDF:9066646.7/61

All: 404.976+/-0.034 χ^2/NDF: 16662751.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/36

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

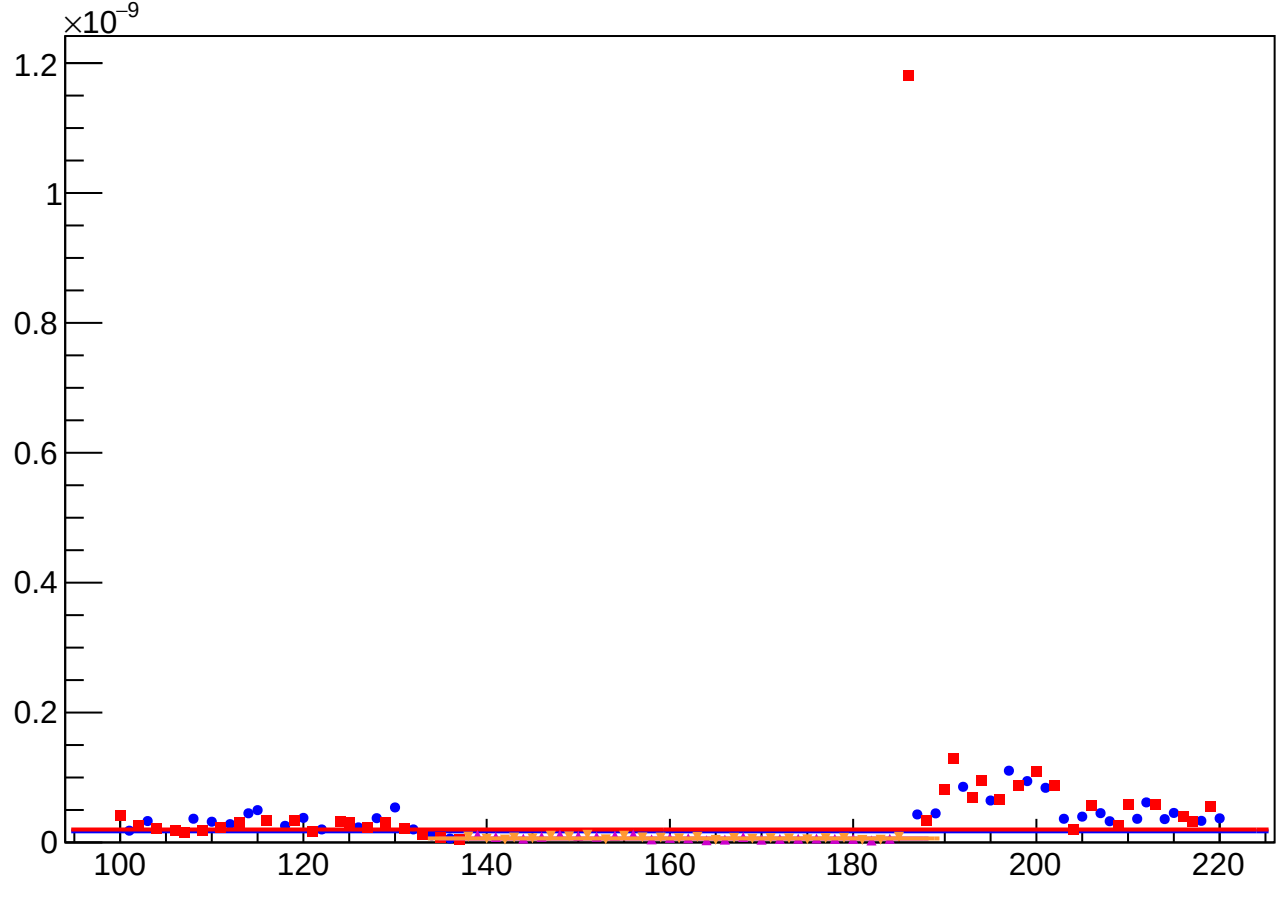
Right: -0.000+/-0.000 χ^2/NDF: 65.2/69

In: 0.000+/-0.000 χ^2/NDF:47.0/55

Out: -0.000+/-0.000 χ^2/NDF:51.7/61

All: 0.000+/-0.000 χ^2/NDF: 99.6/117

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9022143.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7830209.1/36

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

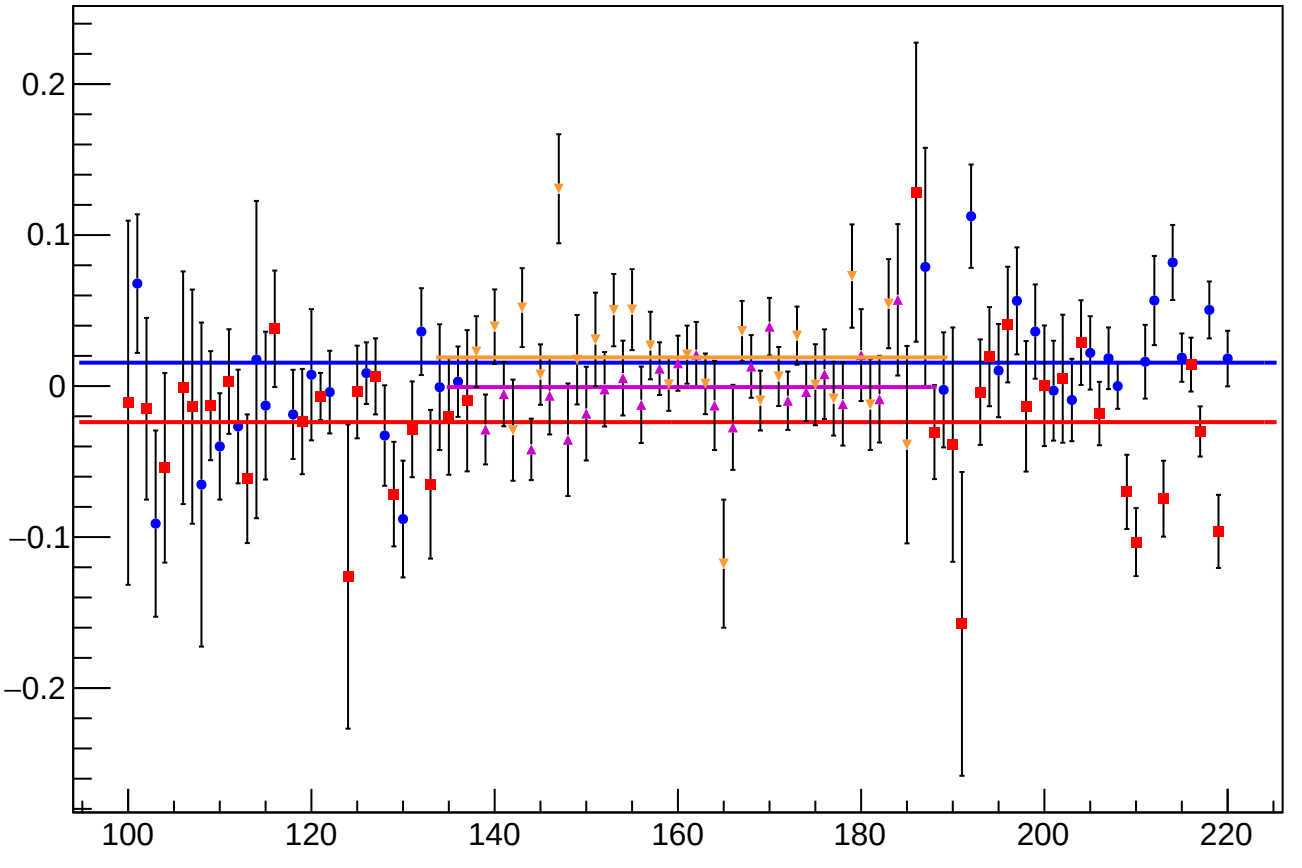
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16981675.0/69

In: 0.000+/-0.000 χ^2/NDF:14771355.2/55

Out: 0.000+/-0.000 χ^2/NDF:14128312.1/61

All: 0.000+/-0.000 χ^2/NDF: 28901444.8/117



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/32

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

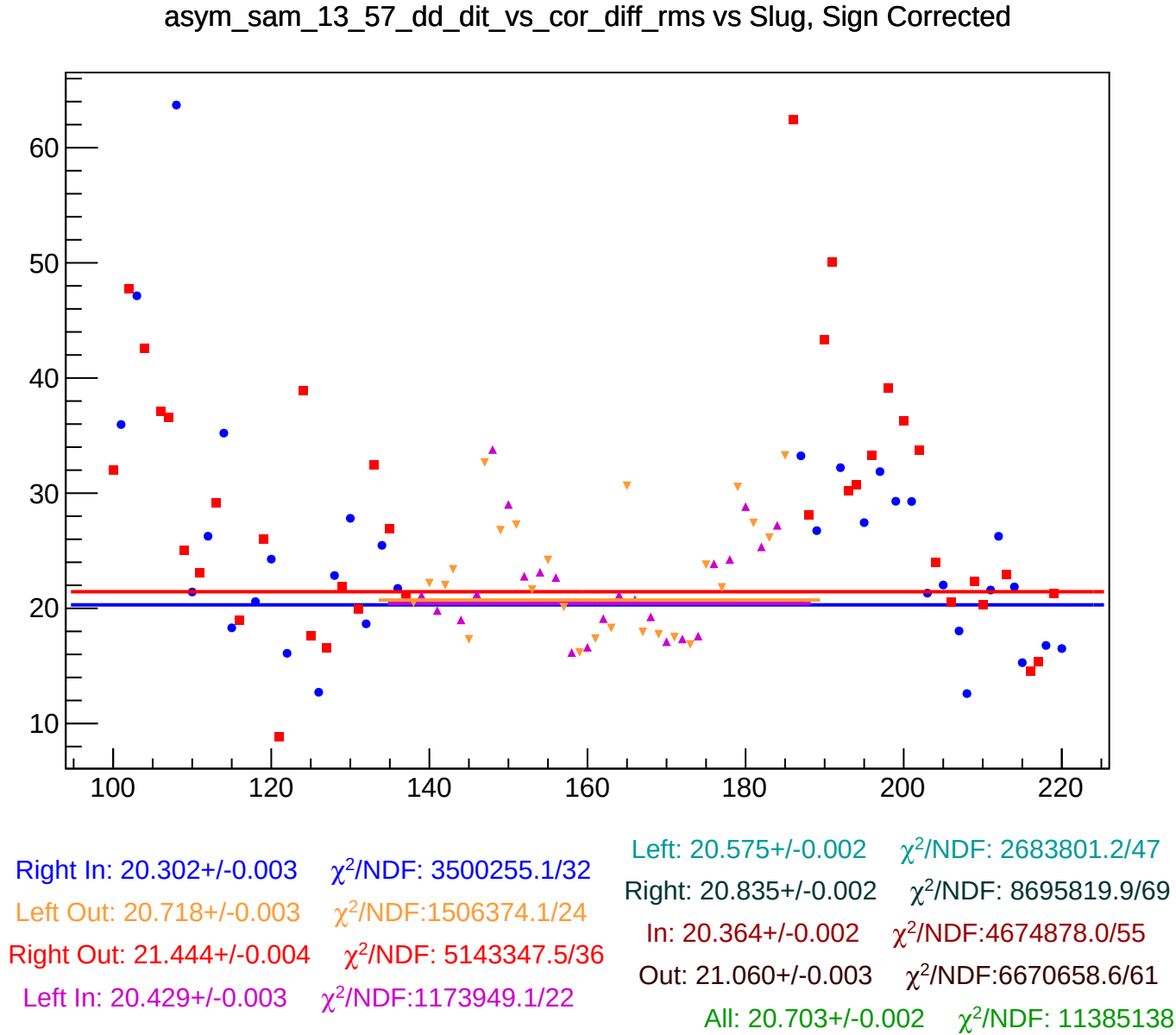
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

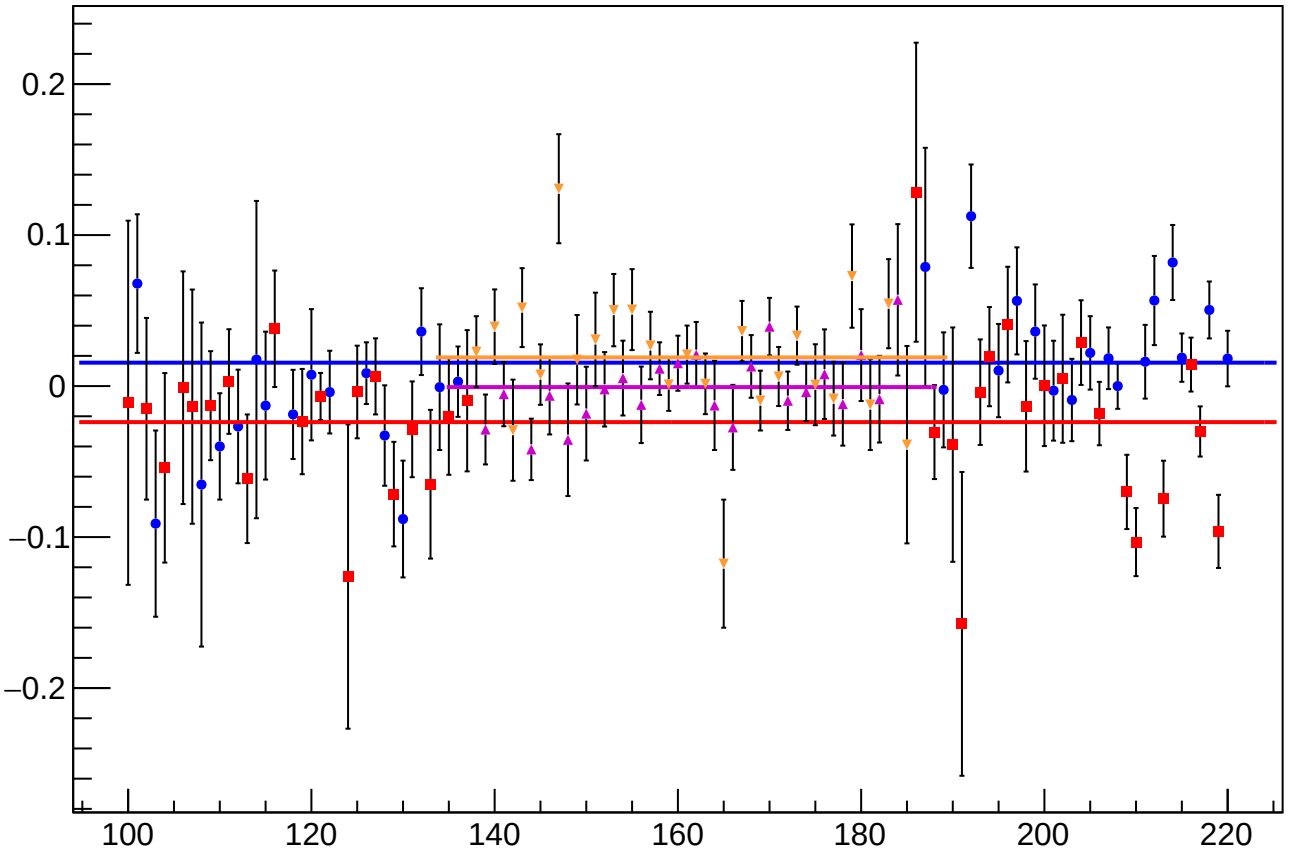
Right: -0.003+/-0.004 χ^2/NDF: 136.2/69

In: 0.008+/-0.003 χ^2/NDF:69.9/55

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 209.1/117


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 20.302+/-0.003 χ²/NDF: 3500255.1/32
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 21.444+/-0.004 χ²/NDF: 5143347.5/36
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
Left: 20.575+/-0.002 χ²/NDF: 2683801.2/47
Right: 20.835+/-0.002 χ²/NDF: 8695819.9/69
In: 20.364+/-0.002 χ²/NDF:4674878.0/55
Out: 21.060+/-0.003 χ²/NDF:6670658.6/61
All: 20.703+/-0.002 χ²/NDF: 11385138.7/117



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/32

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

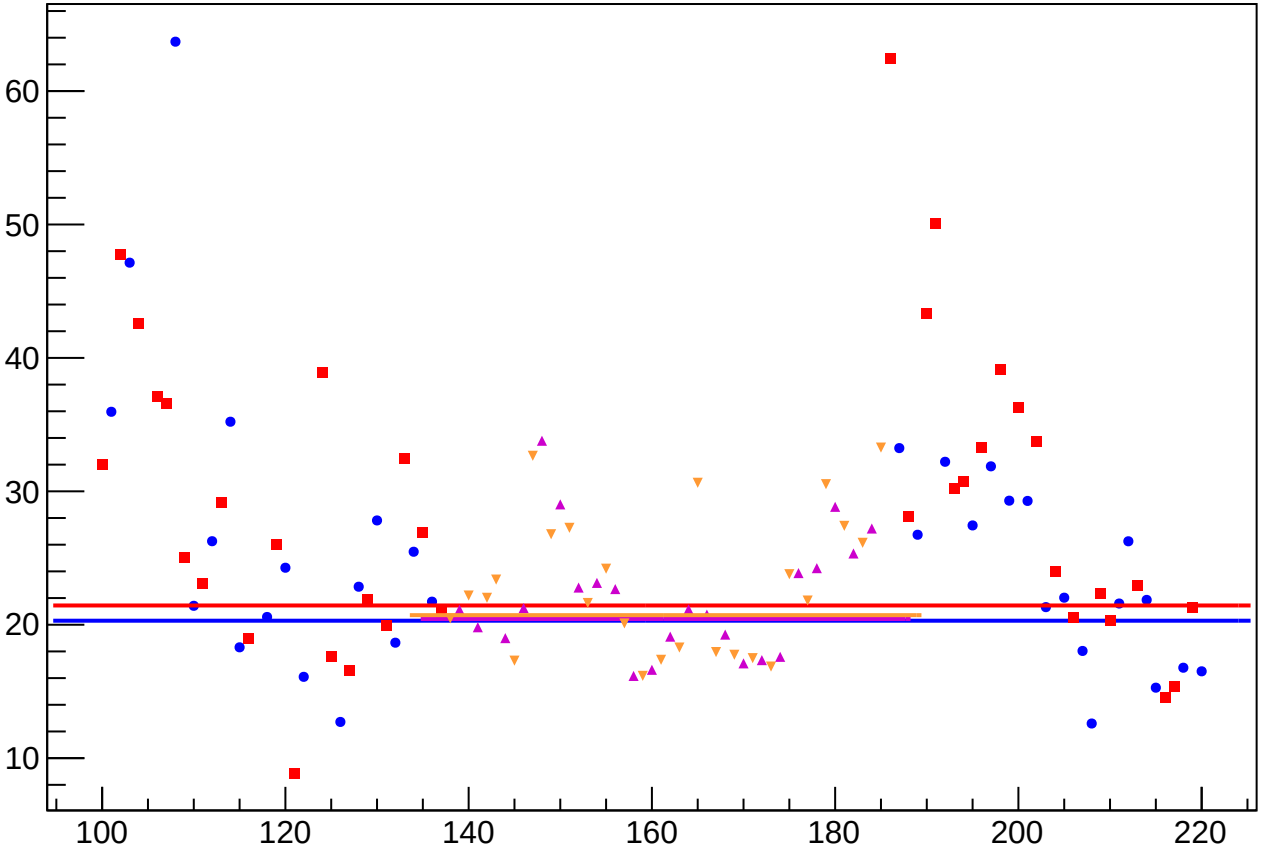
Right: -0.003+/-0.004 χ^2/NDF: 136.2/69

In: 0.008+/-0.003 χ^2/NDF:69.9/55

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 209.1/117

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.302+/-0.003 χ^2/NDF: 3500255.1/32

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 21.444+/-0.004 χ^2/NDF: 5143347.5/36

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

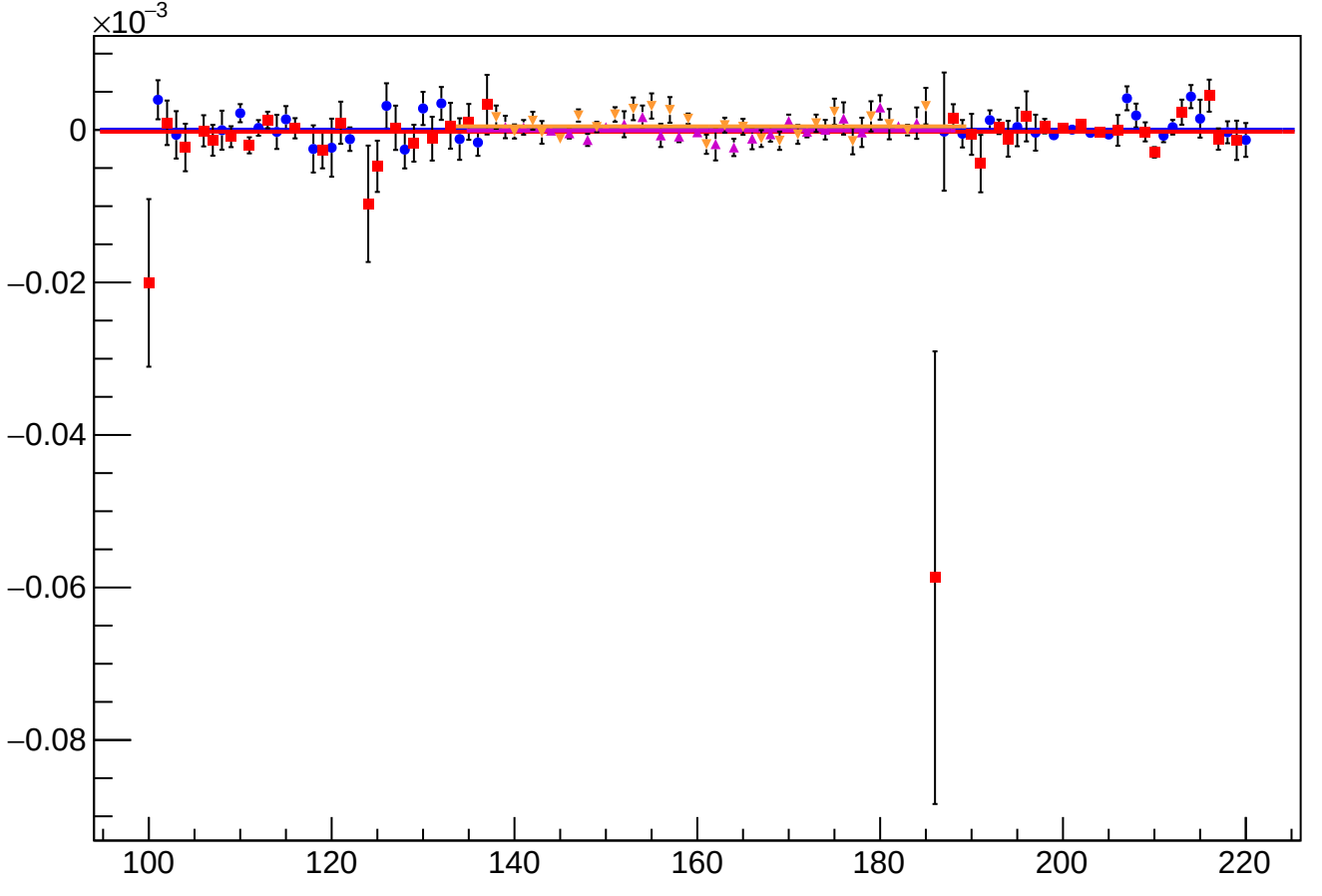
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.835+/-0.002 χ^2/NDF: 8695819.9/69

In: 20.364+/-0.002 χ^2/NDF:4674878.0/55

Out: 21.060+/-0.003 χ^2/NDF:6670658.6/61

All: 20.703+/-0.002 χ^2/NDF: 11385138.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.2/36

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

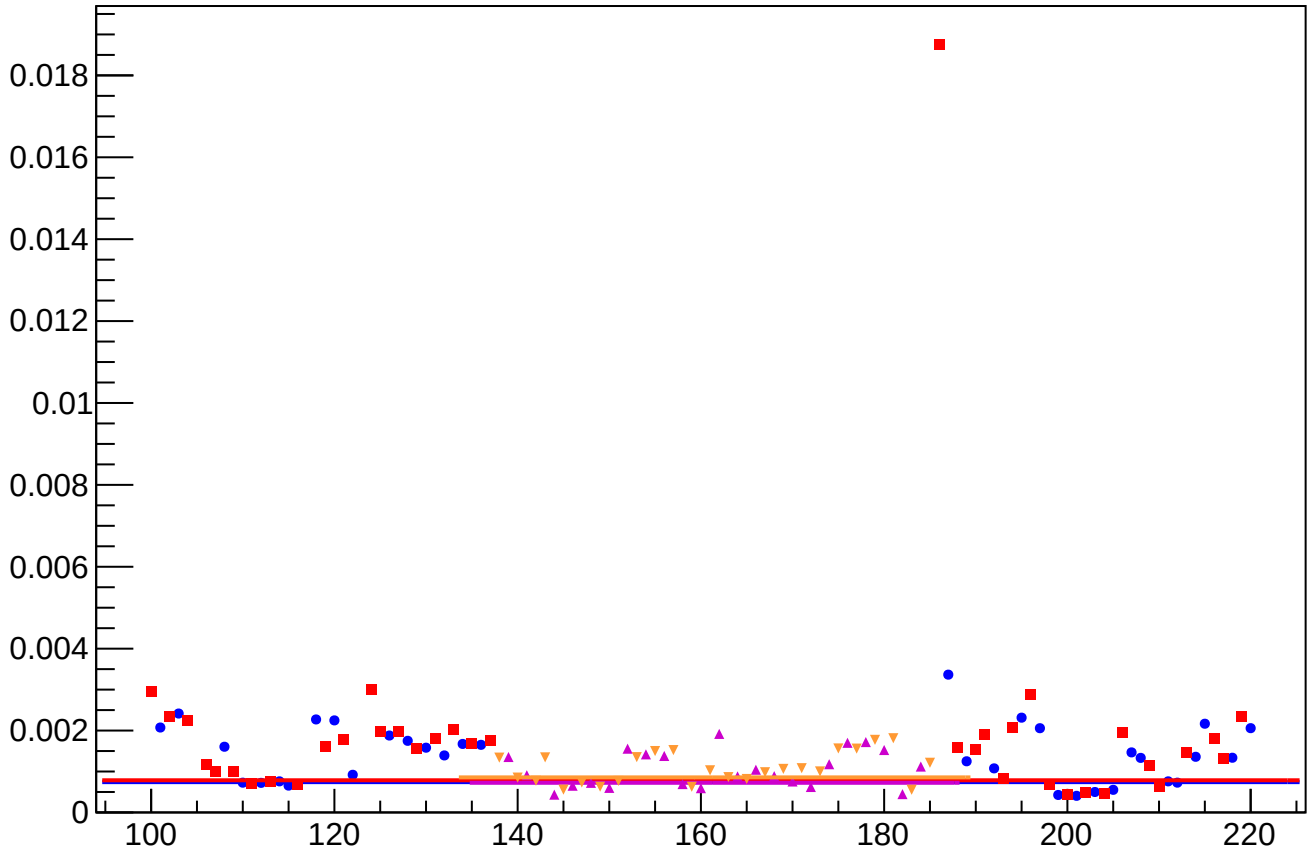
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 90.0/69

In: -0.000+/-0.000 χ^2/NDF:58.6/55

Out: 0.000+/-0.000 χ^2/NDF:92.5/61

All: 0.000+/-0.000 χ^2/NDF: 151.6/117



Right In: 0.001+/-0.000 χ^2/NDF: 11326927.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11740080.9/36

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

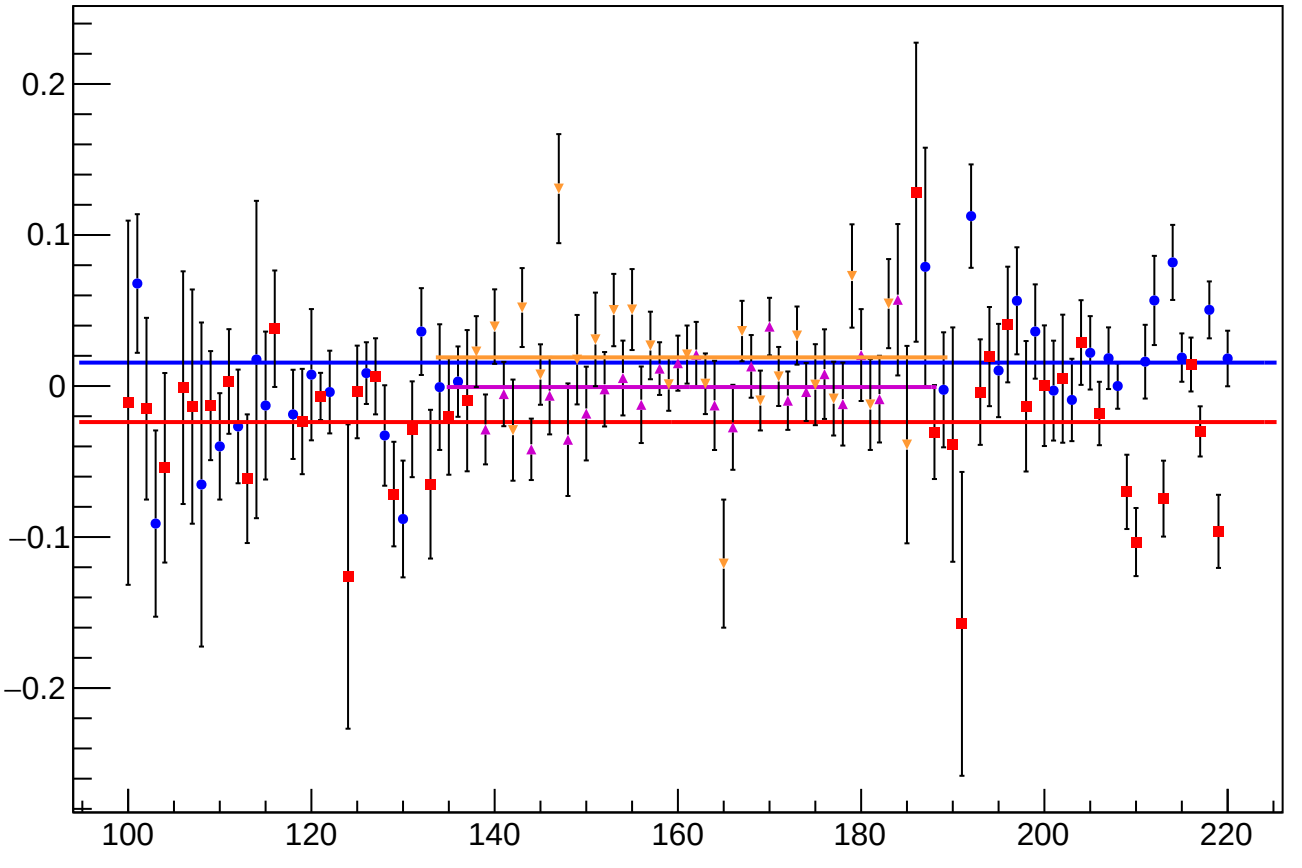
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 23116258.8/69

In: 0.001+/-0.000 χ^2/NDF:17138306.3/55

Out: 0.001+/-0.000 χ^2/NDF:16291940.0/61

All: 0.001+/-0.000 χ^2/NDF: 33811207.6/117



Right In: 0.016+/-0.005 χ^2/NDF: 46.7/32

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

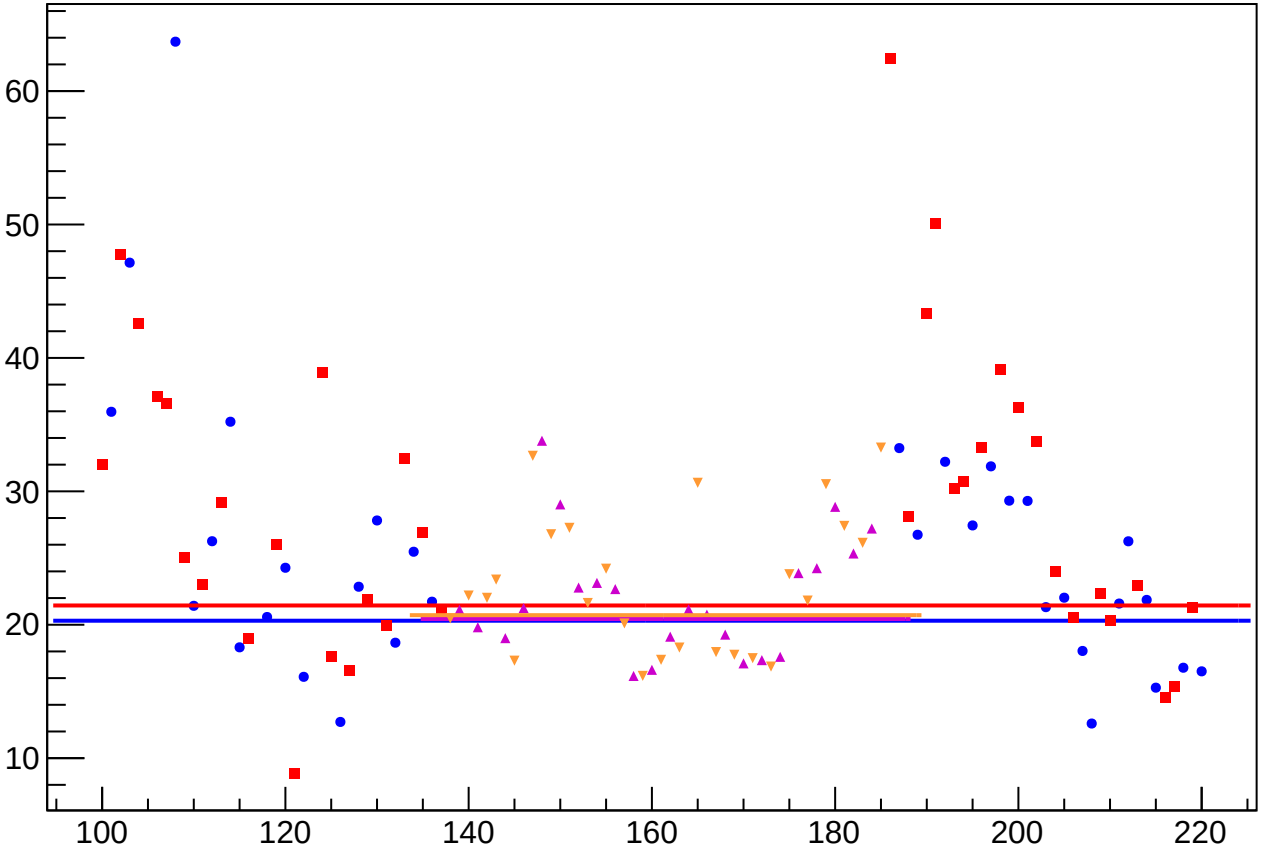
Right: -0.003+/-0.004 χ^2/NDF: 136.2/69

In: 0.008+/-0.003 χ^2/NDF:69.9/55

Out: -0.001+/-0.004 χ^2/NDF:136.1/61

All: 0.003+/-0.002 χ^2/NDF: 209.1/117

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.302+/-0.003 χ^2/NDF: 3500167.2/32

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 21.444+/-0.004 χ^2/NDF: 5142830.2/36

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

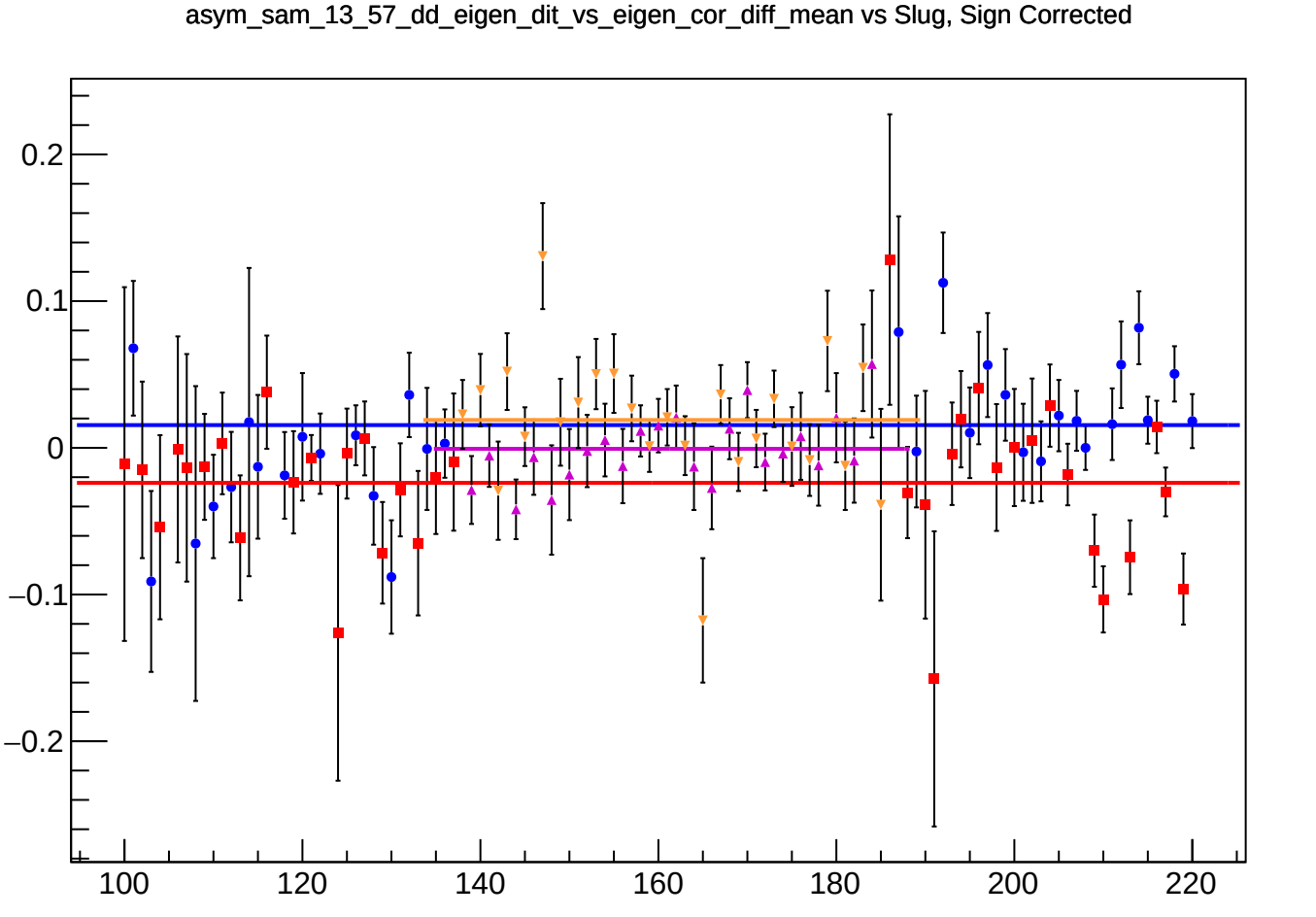
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 20.835+/-0.002 χ^2/NDF: 8695233.8/69

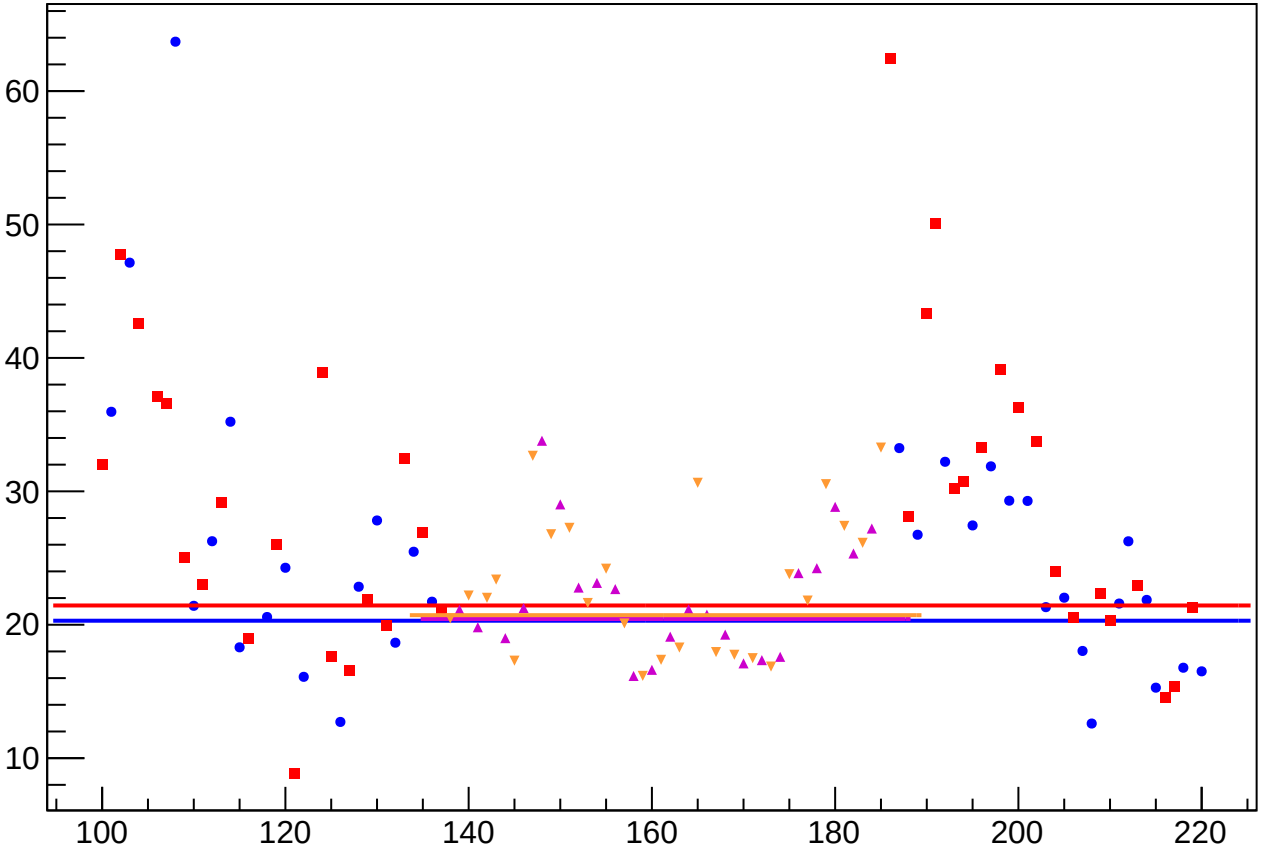
In: 20.364+/-0.002 χ^2/NDF:4674834.9/55

Out: 21.060+/-0.003 χ^2/NDF:6670268.3/61

All: 20.703+/-0.002 χ^2/NDF: 11384710.8/117


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
200
220
Right In: 0.016+/-0.005 χ²/NDF: 46.7/32
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: -0.024+/-0.005 χ²/NDF: 58.4/36
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.9/47
Right: -0.003+/-0.004 χ²/NDF: 136.2/69
In: 0.008+/-0.003 χ²/NDF:69.9/55
Out: -0.001+/-0.004 χ²/NDF:136.1/61
All: 0.003+/-0.002 χ²/NDF: 209.1/117

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.302+/-0.003 χ^2/NDF: 3500167.2/32

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 21.444+/-0.004 χ^2/NDF: 5142830.2/36

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

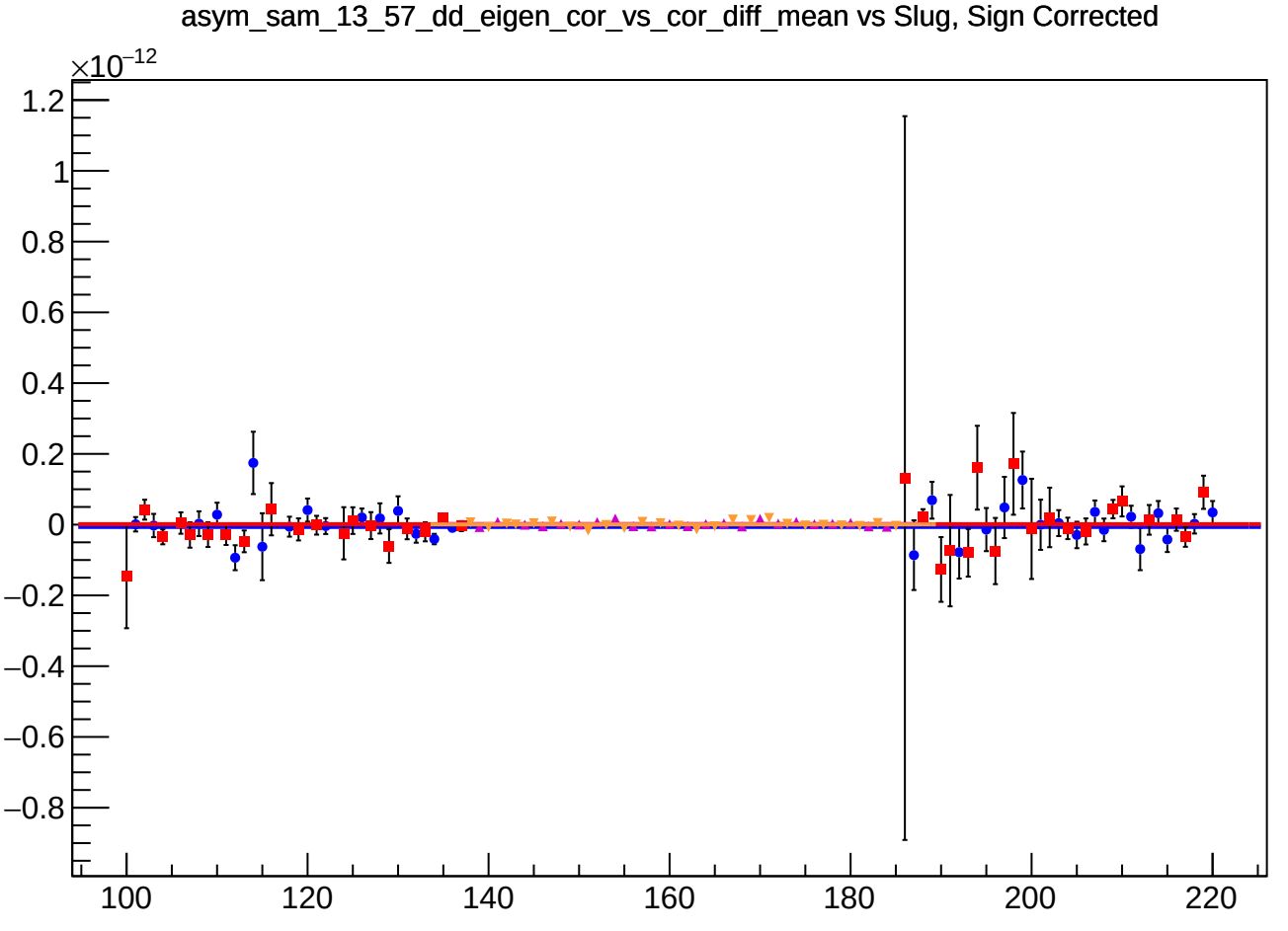
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 20.835+/-0.002 χ^2/NDF: 8695233.8/69

In: 20.364+/-0.002 χ^2/NDF:4674834.9/55

Out: 21.060+/-0.003 χ^2/NDF:6670268.3/61

All: 20.703+/-0.002 χ^2/NDF: 11384710.8/117



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

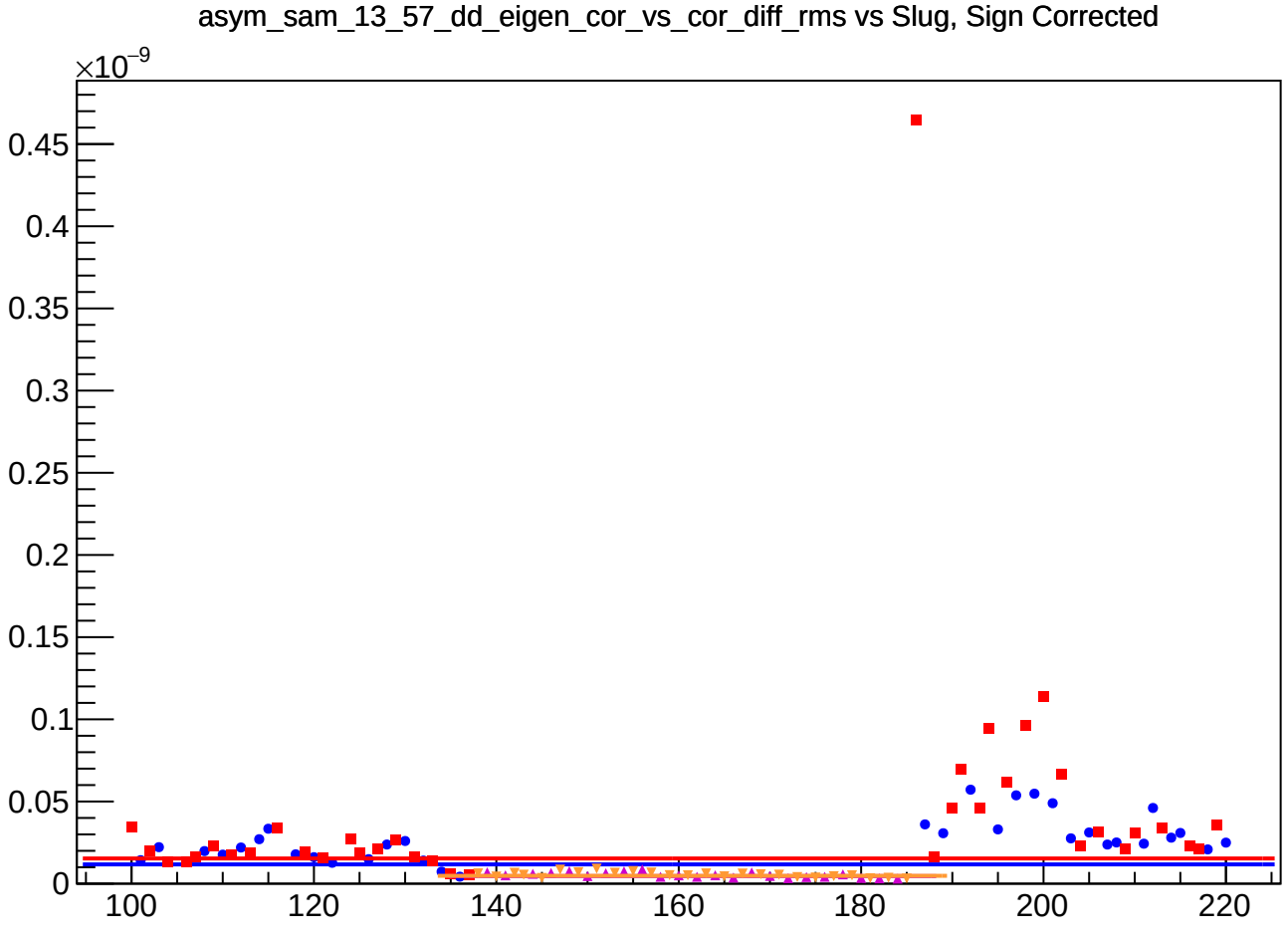
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 76.1/69

In: 0.000+/-0.000 χ^2/NDF:62.1/55

Out: 0.000+/-0.000 χ^2/NDF:65.7/61

All: 0.000+/-0.000 χ^2/NDF: 127.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 11973259.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10320674.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

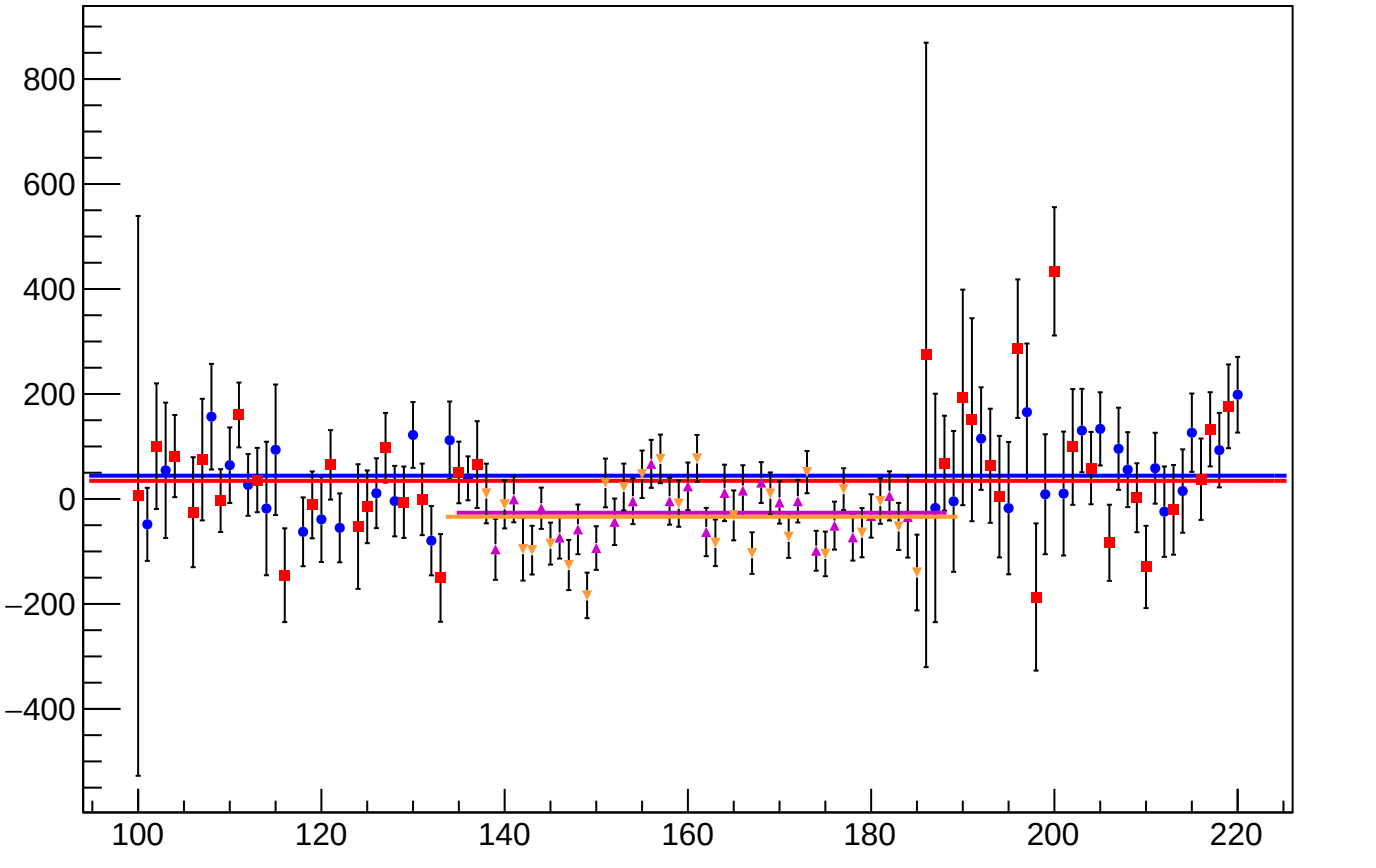
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 22921803.3/69

In: 0.000+/-0.000 χ^2/NDF:19349201.7/55

Out: 0.000+/-0.000 χ^2/NDF:20915998.3/61

All: 0.000+/-0.000 χ^2/NDF: 40290410.8/117


reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
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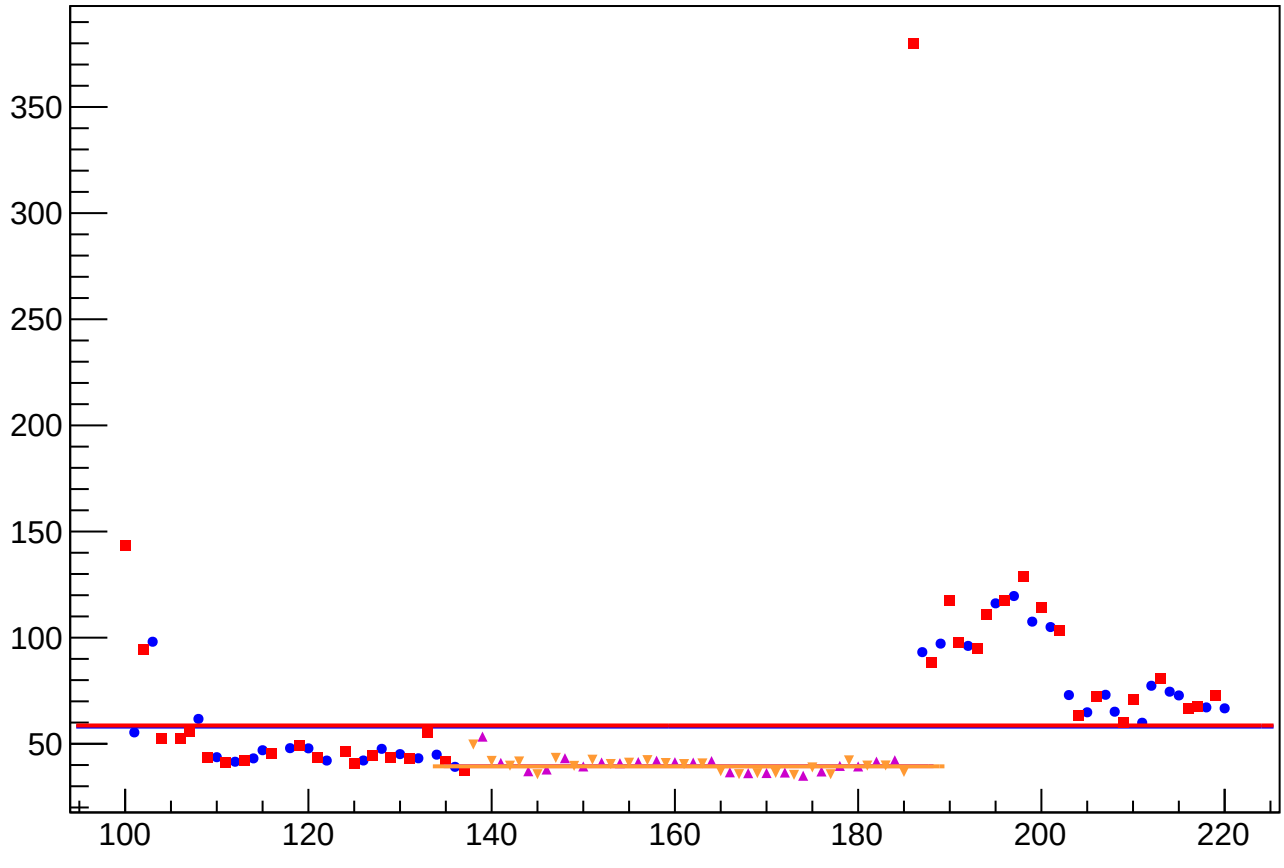
200
0
−200
−400
100
120
140
160
180
200
220
Right In: 44.345+/-13.441 χ²/NDF: 28.6/32
Left Out: -33.956+/-8.993 χ²/NDF:58.7/24
Right Out: 34.568+/-13.639 χ²/NDF: 49.6/36
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 39.528+/-9.574 χ²/NDF: 78.4/69
In: -3.502+/-7.632 χ²/NDF:69.8/55
Out: -13.191+/-7.508 χ²/NDF:125.9/61
All: -8.426+/-5.352 χ²/NDF: 196.5/117



Right In: 58.104+/-0.010 χ^2/NDF: 4093767.1/32

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.632+/-0.010 χ^2/NDF: 5322235.3/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

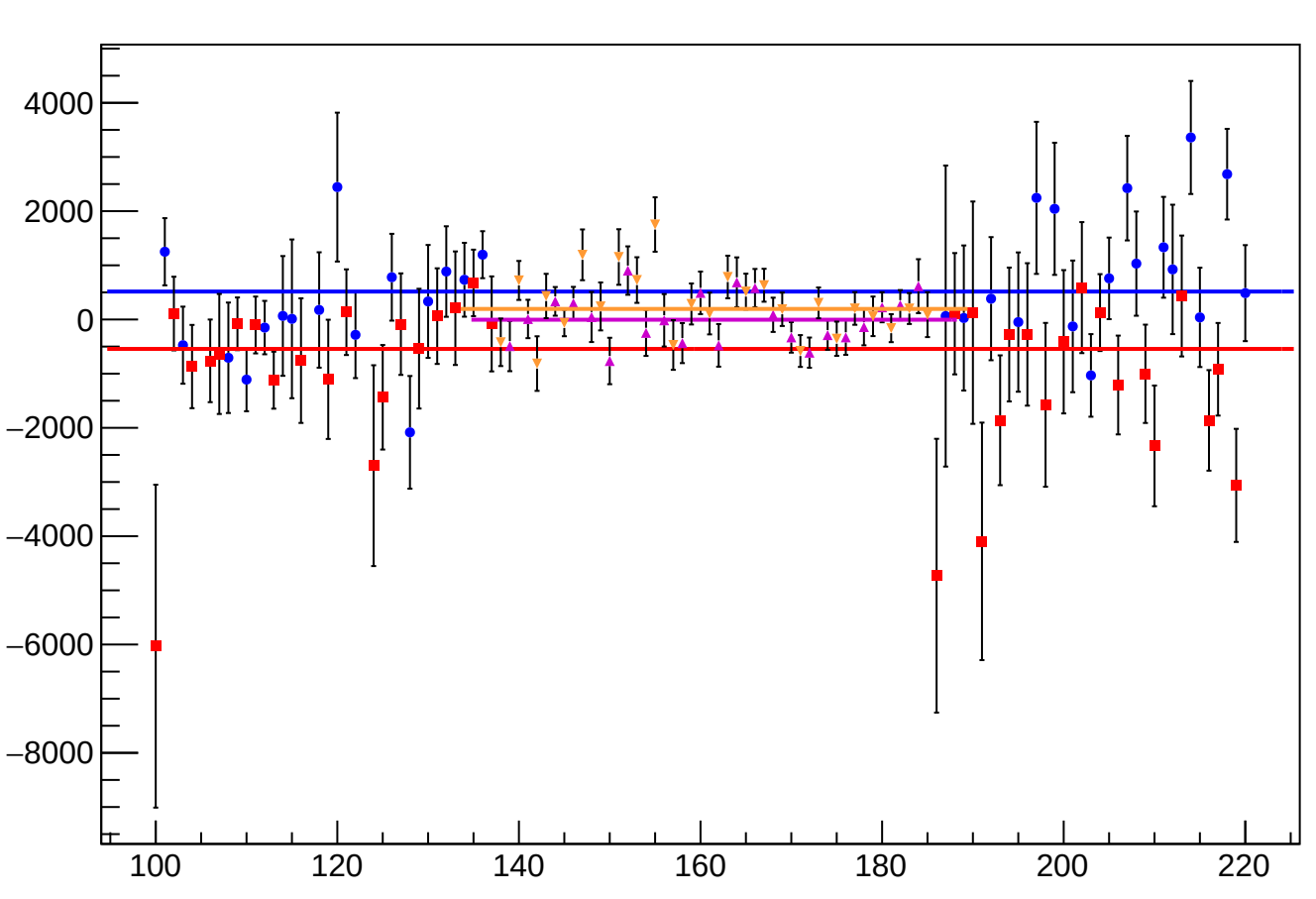
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.364+/-0.007 χ^2/NDF: 9417525.6/69

In: 45.492+/-0.005 χ^2/NDF:6944193.8/55

Out: 45.216+/-0.005 χ^2/NDF:8327608.3/61

All: 45.351+/-0.004 χ^2/NDF: 15273129.1/117



Right In: 515.768+/-148.450 χ^2/NDF: 54.3/32

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -543.055+/-148.885 χ^2/NDF: 37.6/36

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

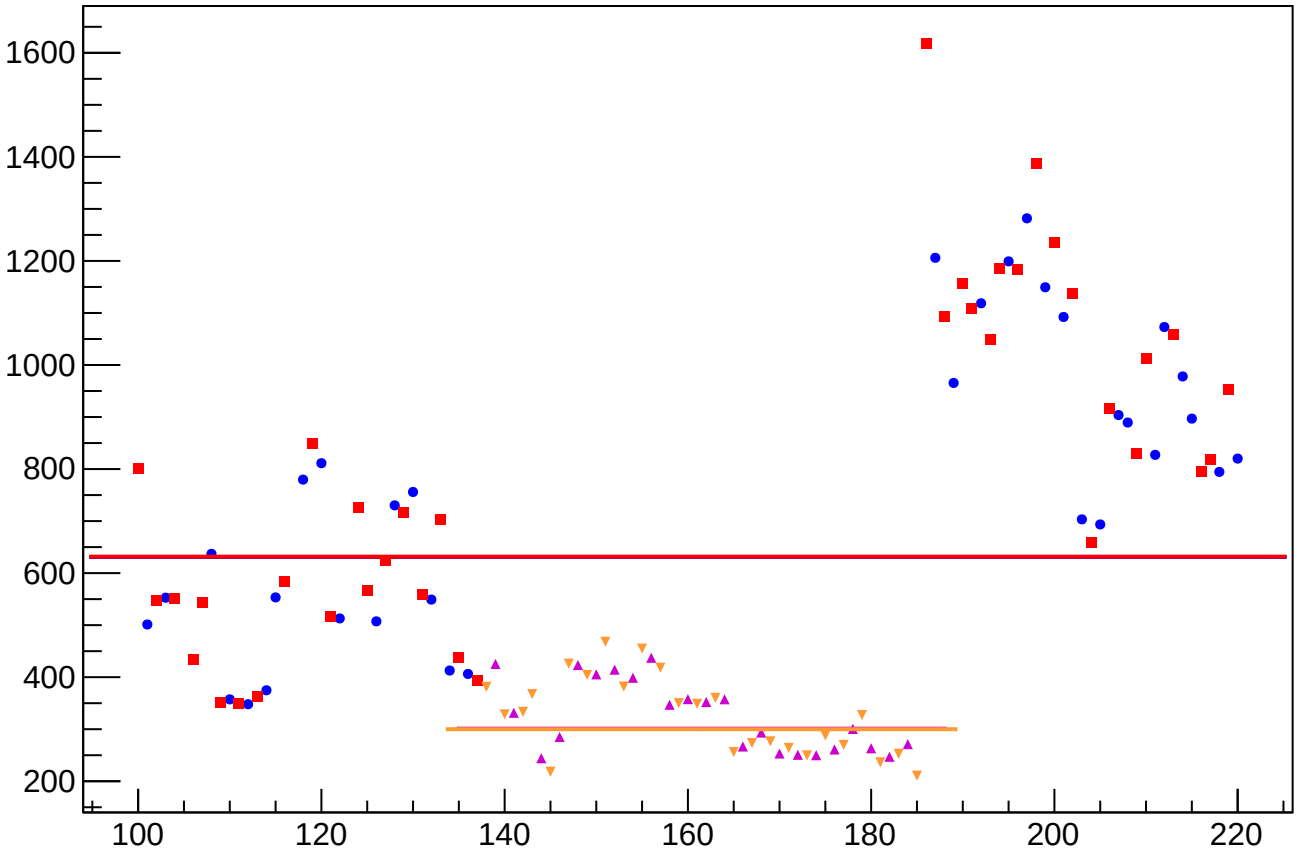
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -12.095+/-105.123 χ^2/NDF: 117.3/69

In: 94.930+/-64.769 χ^2/NDF:96.6/55

Out: 61.120+/-63.416 χ^2/NDF:106.3/61

All: 77.668+/-45.313 χ^2/NDF: 203.1/117



Right In: 631.008+/-0.105 χ^2/NDF: 5601144.4/32

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 631.584+/-0.105 χ^2/NDF: 6788872.5/36

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

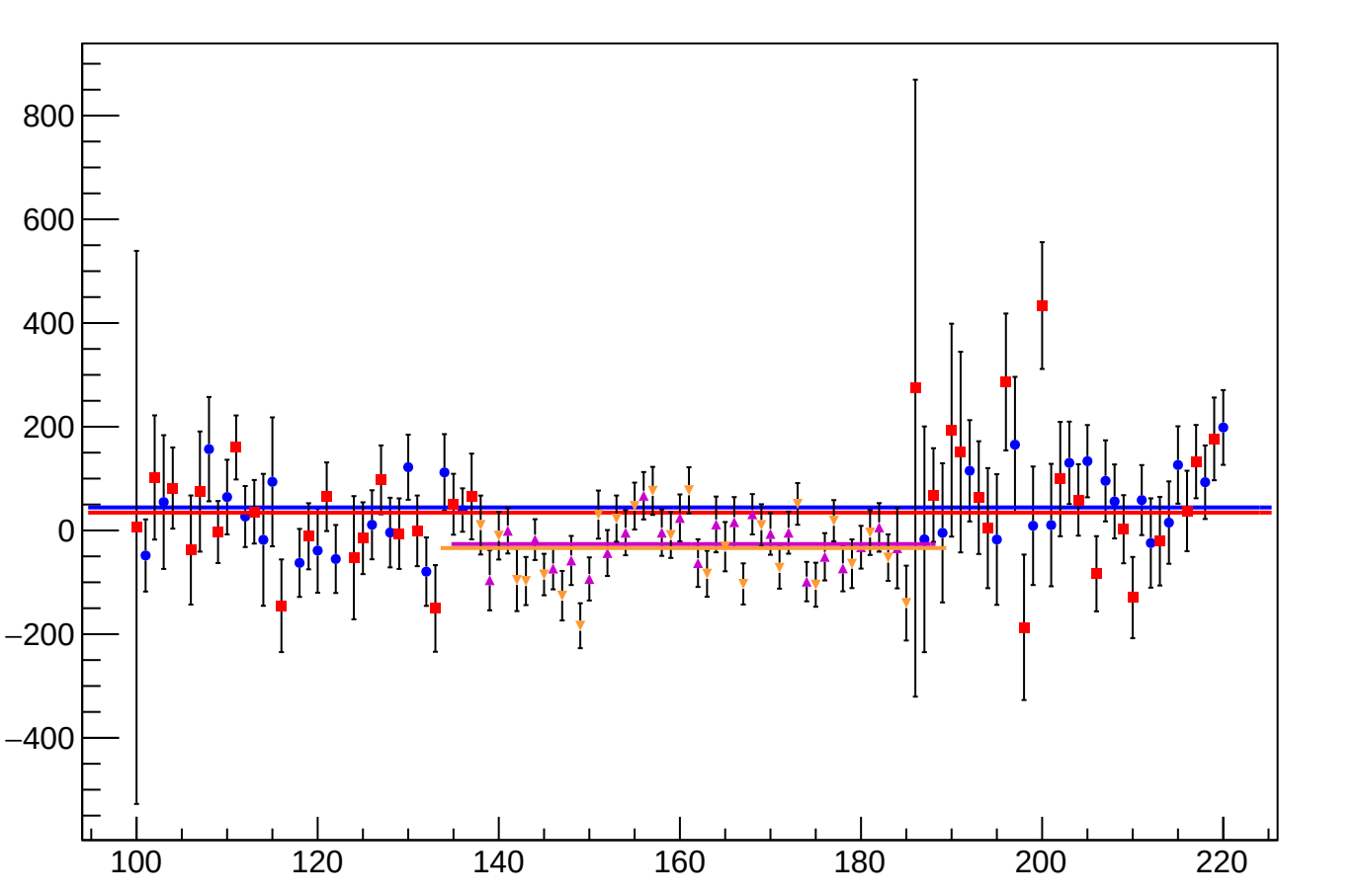
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 631.295+/-0.074 χ^2/NDF: 12390031.9/69

In: 363.819+/-0.046 χ^2/NDF:15010605.4/55

Out: 360.139+/-0.045 χ^2/NDF:16718804.5/61

All: 361.940+/-0.032 χ^2/NDF: 31732706.1/11


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
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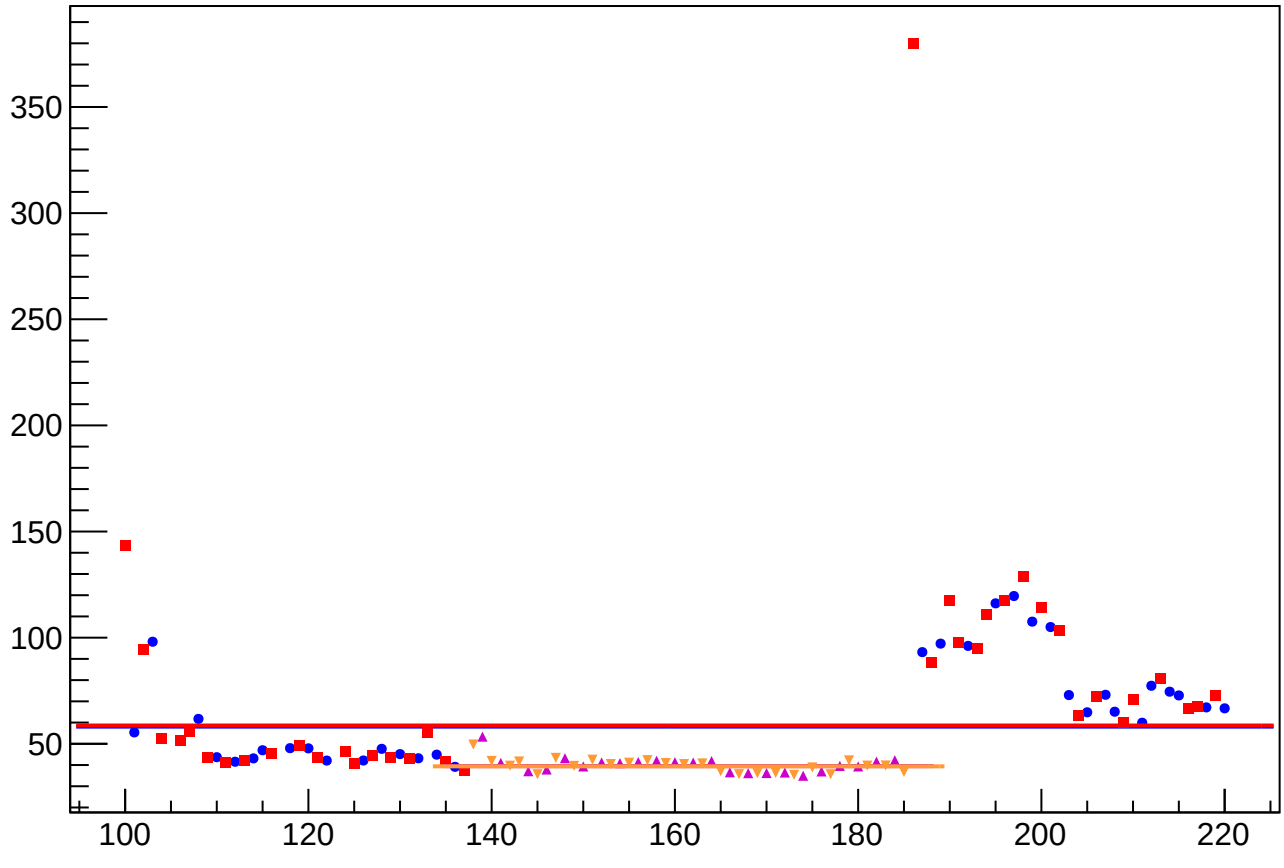
180
200
220
Right In: 44.349+/-13.441 χ²/NDF: 28.6/32
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 34.386+/-13.640 χ²/NDF: 49.7/36
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 39.441+/-9.574 χ²/NDF: 78.6/69
In: -3.501+/-7.632 χ²/NDF:69.8/55
Out: -13.248+/-7.508 χ²/NDF:125.9/61
All: -8.454+/-5.352 χ²/NDF: 196.6/117



Right In: 58.104+/-0.010 χ^2/NDF: 4093770.2/32

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

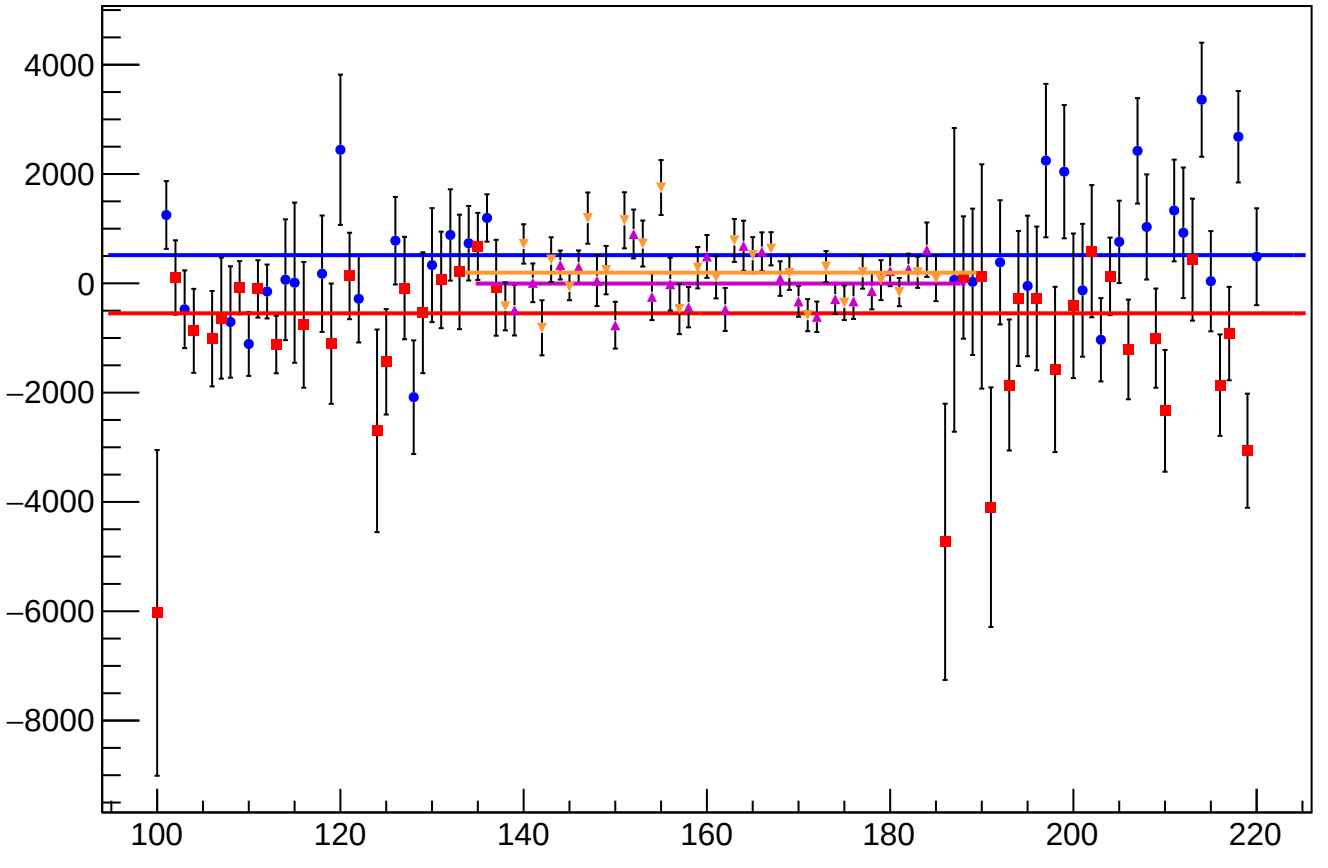
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 58.358+/-0.007 χ^2/NDF: 9419547.8/69

In: 45.492+/-0.005 χ^2/NDF:6944196.7/55

Out: 45.211+/-0.005 χ^2/NDF:8325723.4/61

All: 45.349+/-0.004 χ^2/NDF: 15271290.7/117



Right In: 515.773+/-148.450 χ^2/NDF: 54.3/32

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -548.571+/-149.566 χ^2/NDF: 37.8/36

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

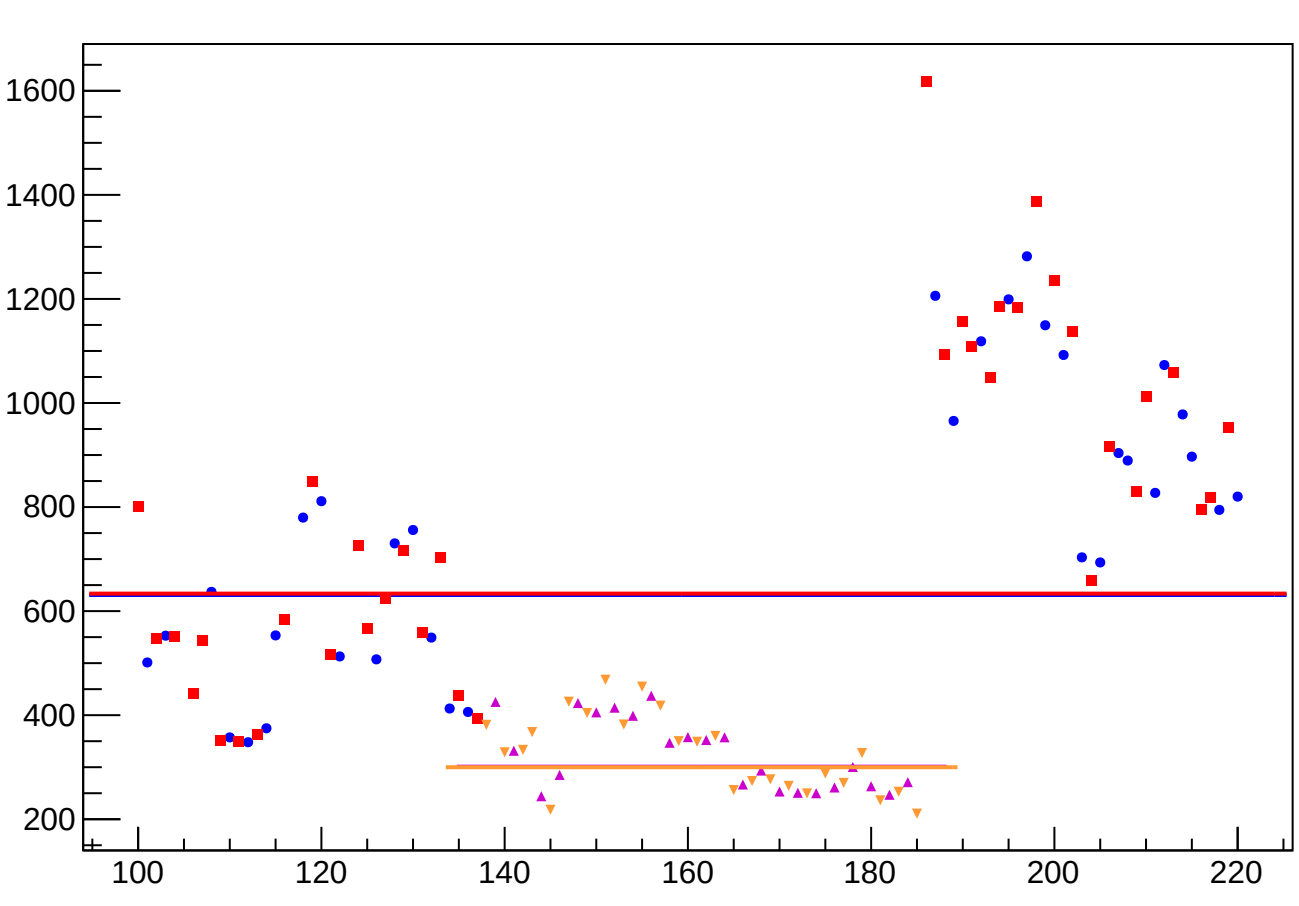
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -12.417+/-105.362 χ^2/NDF: 117.6/69

In: 94.930+/-64.769 χ^2/NDF:96.6/55

Out: 61.123+/-63.469 χ^2/NDF:106.7/61

All: 77.684+/-45.332 χ^2/NDF: 203.4/117



Right In: 631.010+/-0.105 χ^2/NDF: 5601117.6/32

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

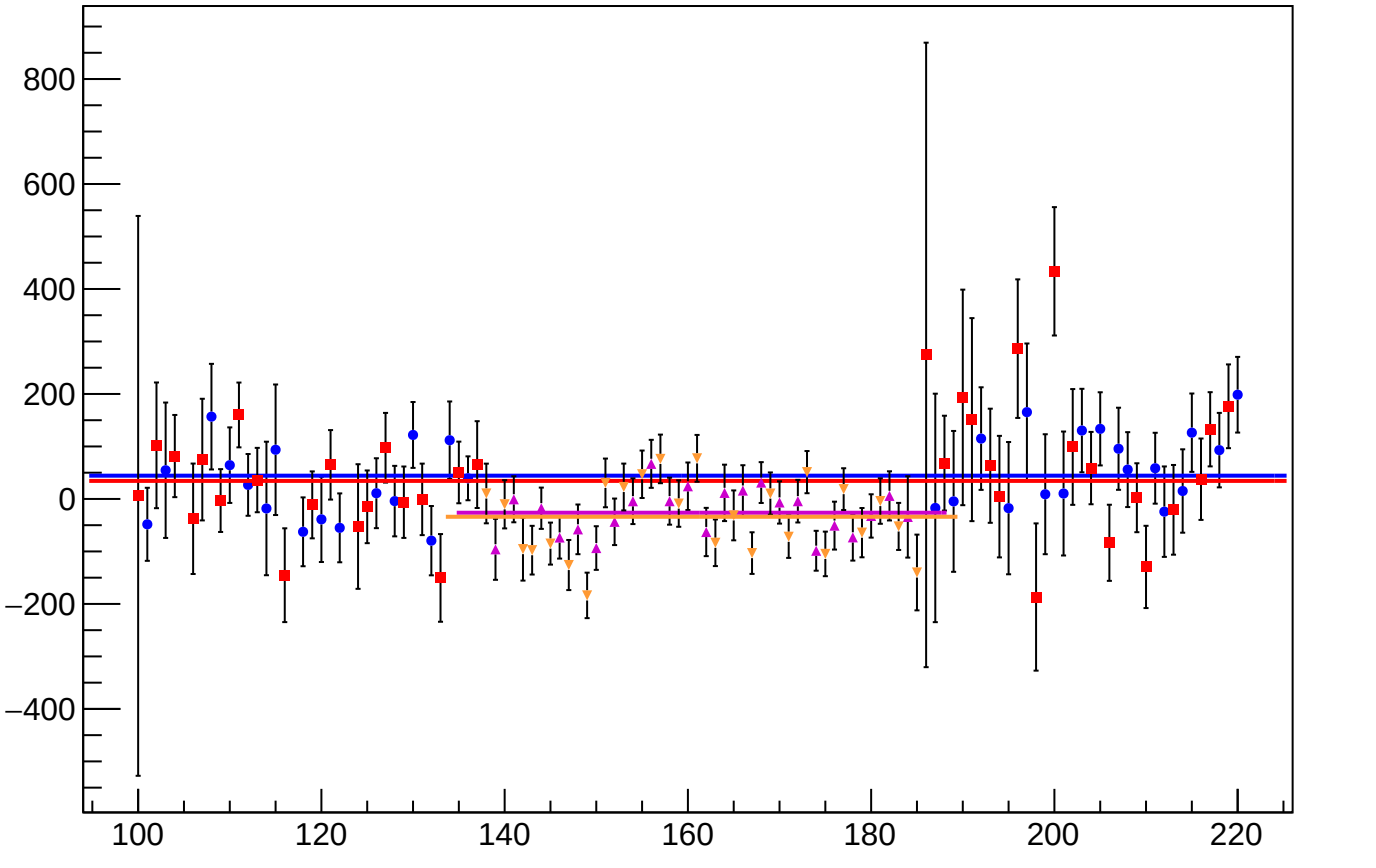
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 632.305+/-0.075 χ^2/NDF: 12350466.7/69

In: 363.819+/-0.046 χ^2/NDF:15010665.9/55

Out: 360.058+/-0.045 χ^2/NDF:16717735.3/61

All: 361.900+/-0.032 χ^2/NDF: 31731842.1/11


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
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140
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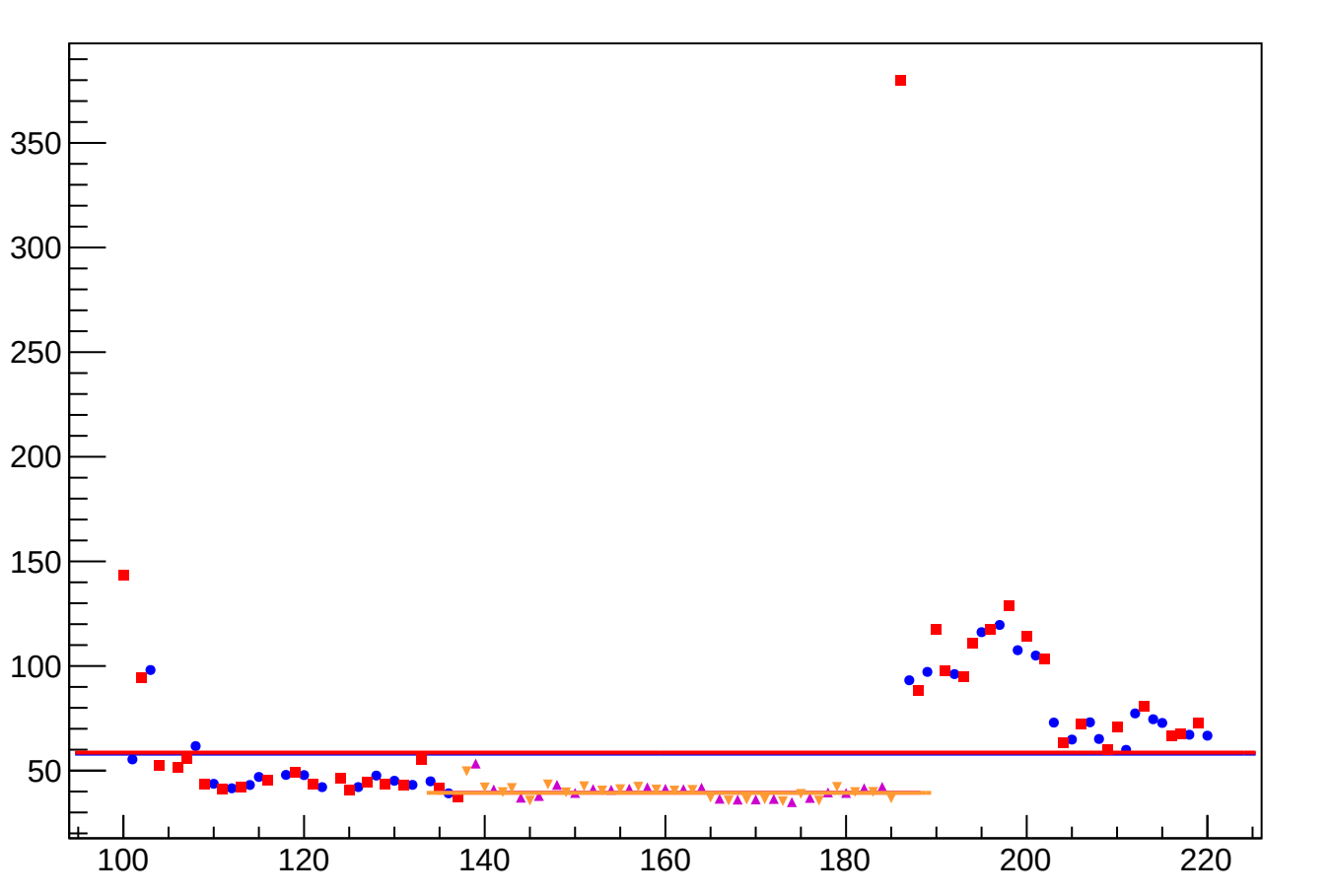
180
200
220
Right In: 44.349+/-13.441 χ²/NDF: 28.6/32
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 34.386+/-13.640 χ²/NDF: 49.7/36
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 39.441+/-9.574 χ²/NDF: 78.6/69
In: -3.501+/-7.632 χ²/NDF:69.8/55
Out: -13.248+/-7.508 χ²/NDF:125.9/61
All: -8.454+/-5.352 χ²/NDF: 196.6/117



Right In: 58.104+/-0.010 χ^2/NDF: 4093770.2/32

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

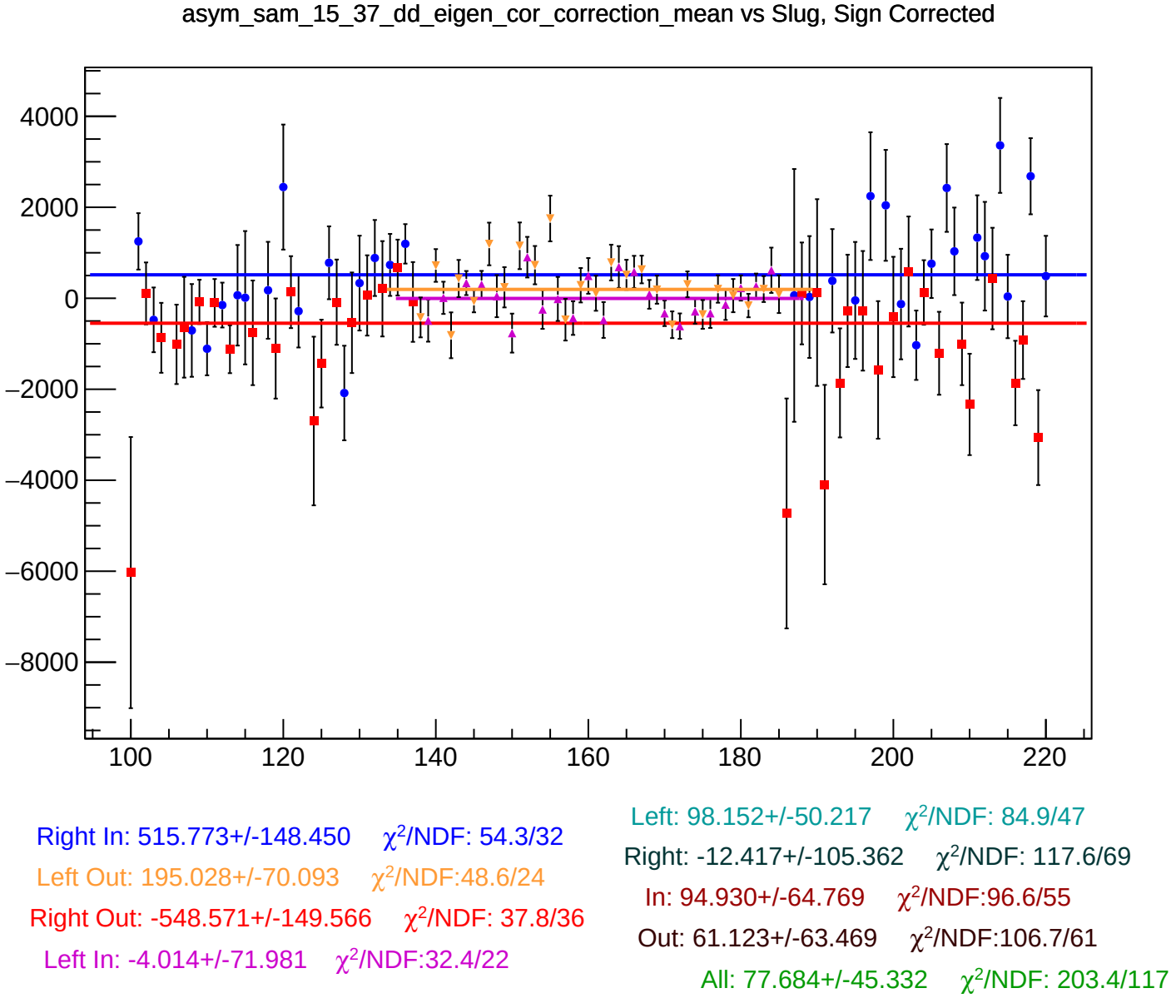
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

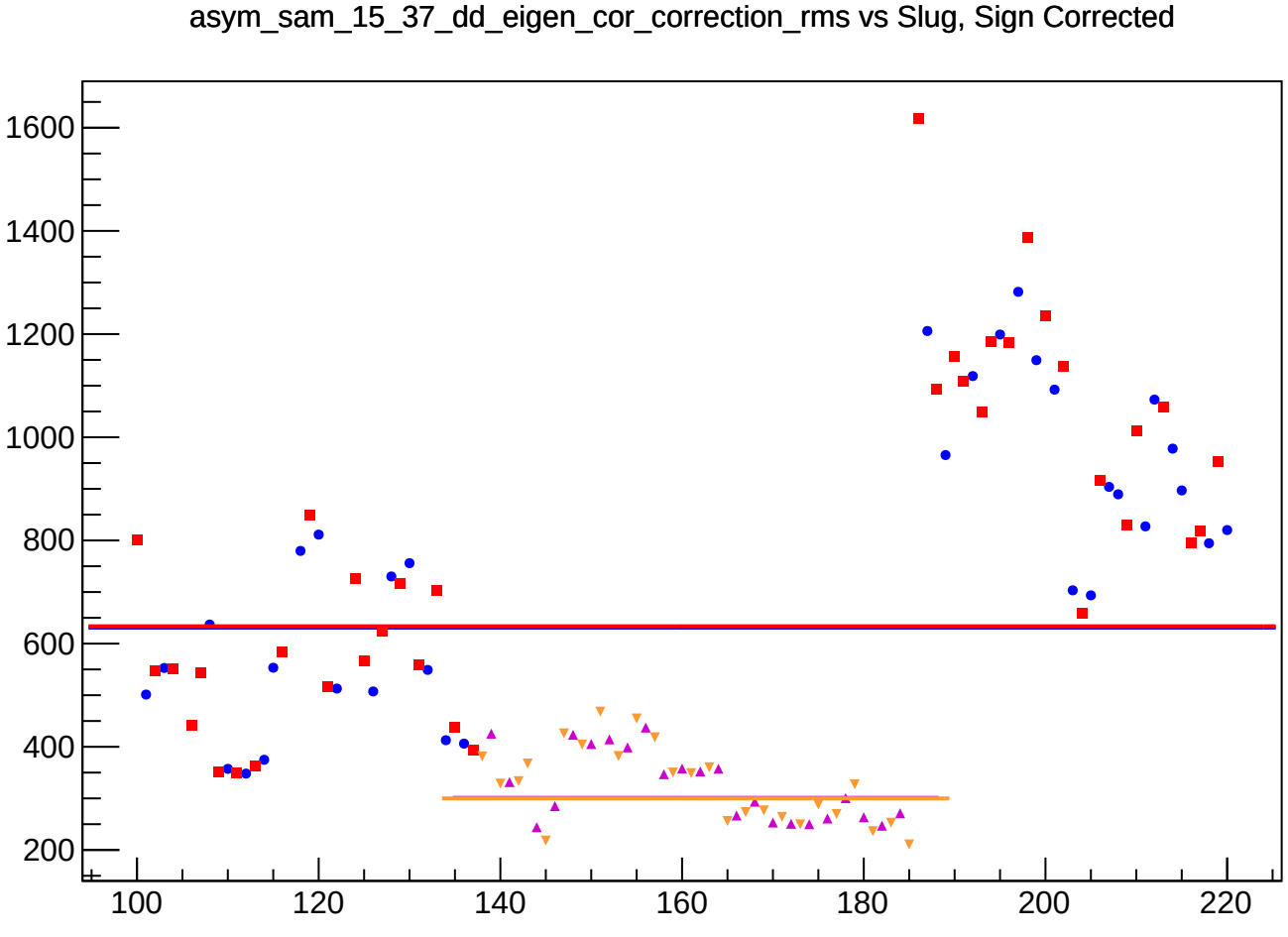
Right: 58.358+/-0.007 χ^2/NDF: 9419547.8/69

In: 45.492+/-0.005 χ^2/NDF:6944196.7/55

Out: 45.211+/-0.005 χ^2/NDF:8325723.4/61

All: 45.349+/-0.004 χ^2/NDF: 15271290.7/117


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 515.773+/-148.450 χ²/NDF: 54.3/32
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: -548.571+/-149.566 χ²/NDF: 37.8/36
Left In: -4.014+/-71.981 χ²/NDF:32.4/22
Left: 98.152+/-50.217 χ²/NDF: 84.9/47
Right: -12.417+/-105.362 χ²/NDF: 117.6/69
In: 94.930+/-64.769 χ²/NDF:96.6/55
Out: 61.123+/-63.469 χ²/NDF:106.7/61
All: 77.684+/-45.332 χ²/NDF: 203.4/117



Right In: 631.010+/-0.105 χ^2/NDF: 5601117.6/32

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

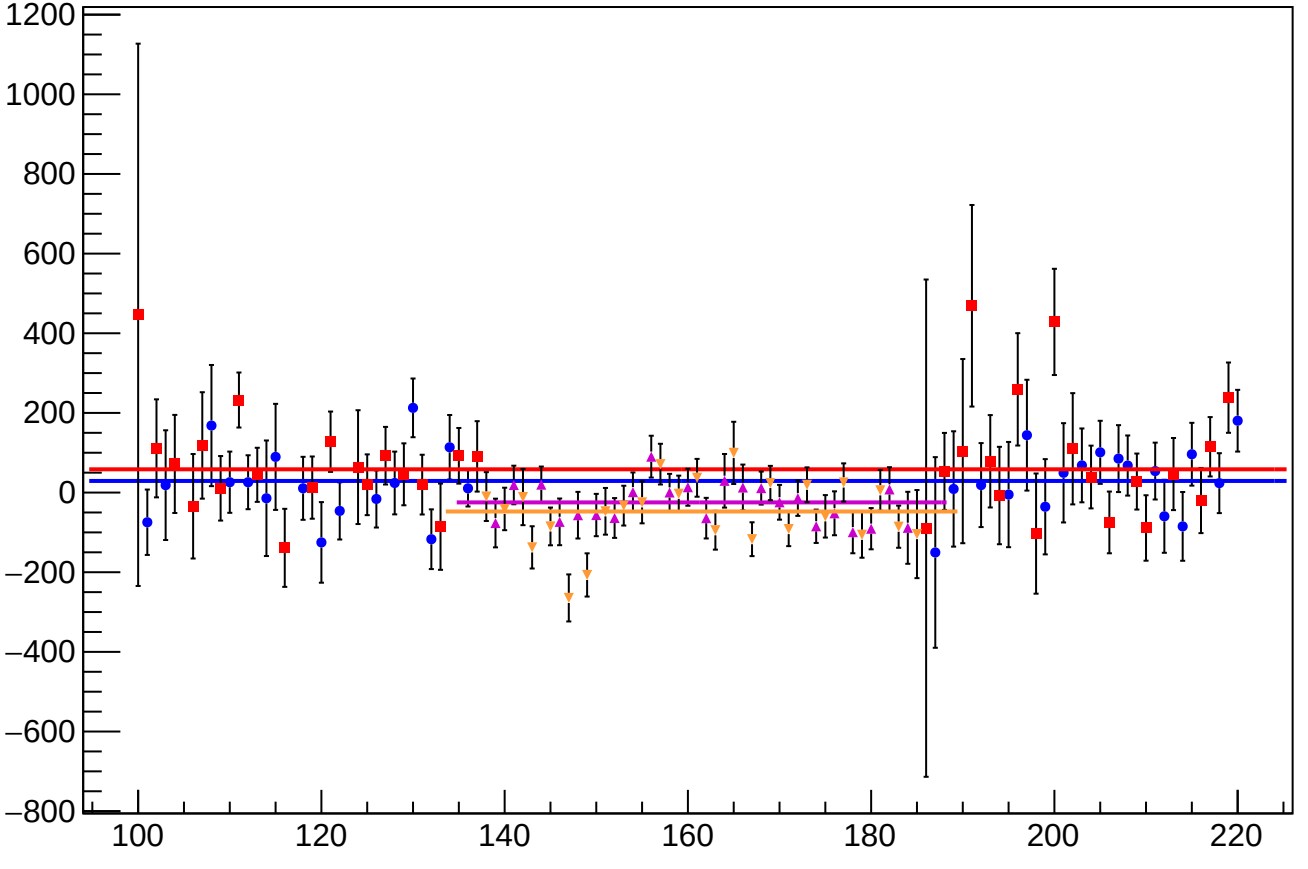
Right: 632.305+/-0.075 χ^2/NDF: 12350466.7/69

In: 363.819+/-0.046 χ^2/NDF:15010665.9/55

Out: 360.058+/-0.045 χ^2/NDF:16717735.3/61

All: 361.900+/-0.032 χ^2/NDF: 31731842.1/11

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 29.195+/-14.936 χ^2/NDF: 28.6/32

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 58.420+/-15.454 χ^2/NDF: 42.3/36

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

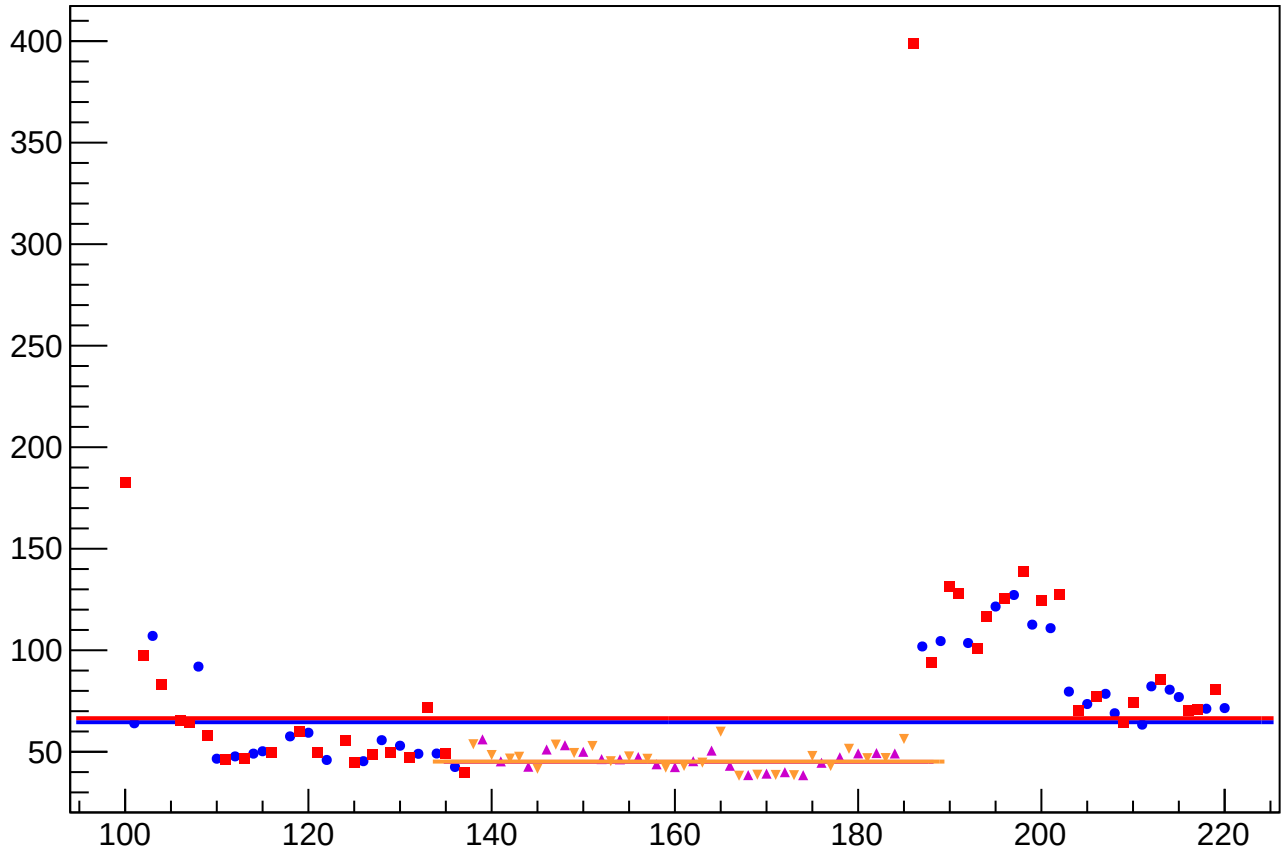
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 43.309+/-10.740 χ^2/NDF: 72.7/69

In: -6.503+/-8.677 χ^2/NDF:56.9/55

Out: -14.505+/-8.624 χ^2/NDF:129.3/61

All: -10.528+/-6.116 χ^2/NDF: 186.6/117



Right In: 64.574+/-0.011 χ^2/NDF: 3749429.5/32

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 66.535+/-0.011 χ^2/NDF: 4895241.5/36

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

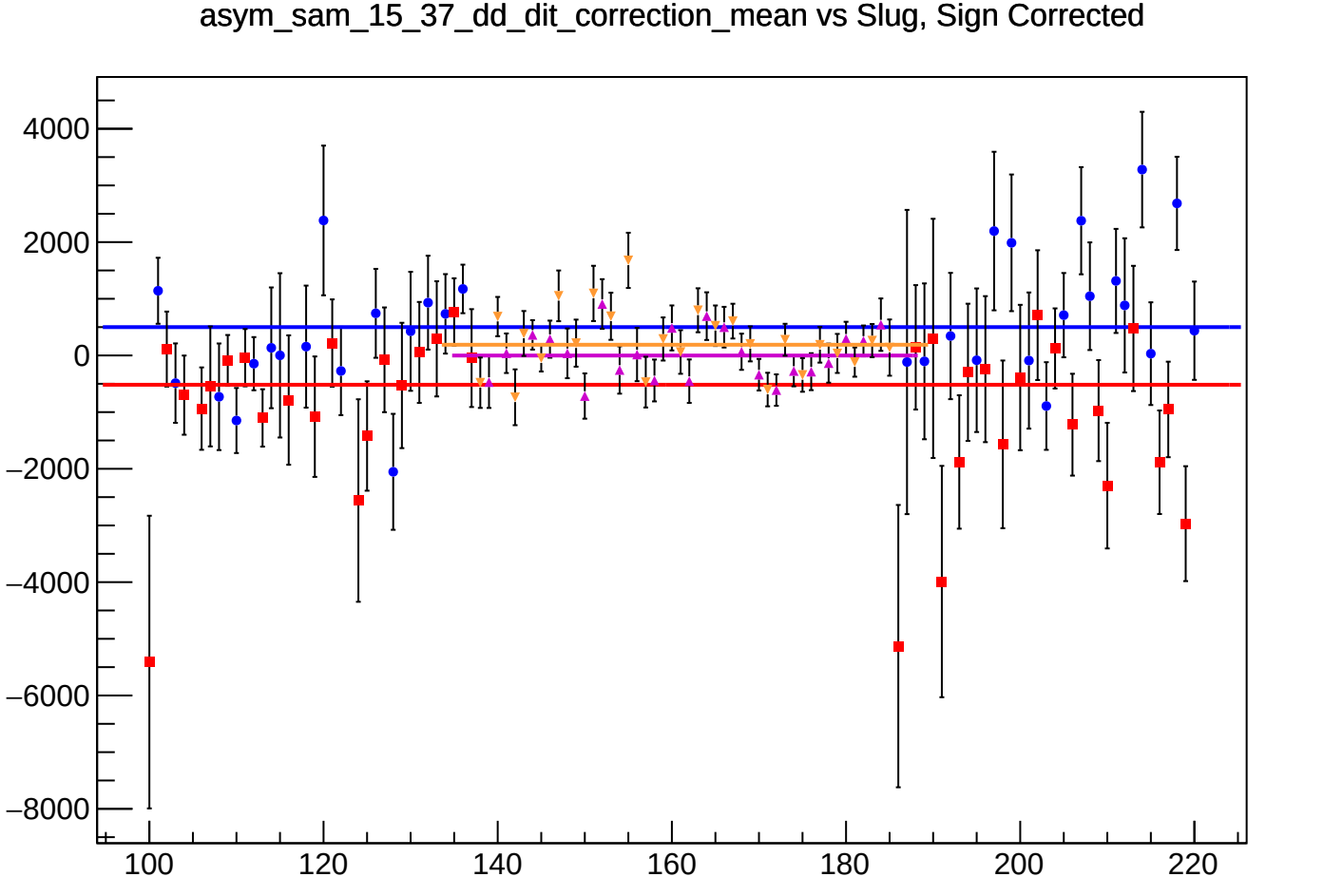
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 65.521+/-0.008 χ^2/NDF: 8661331.5/69

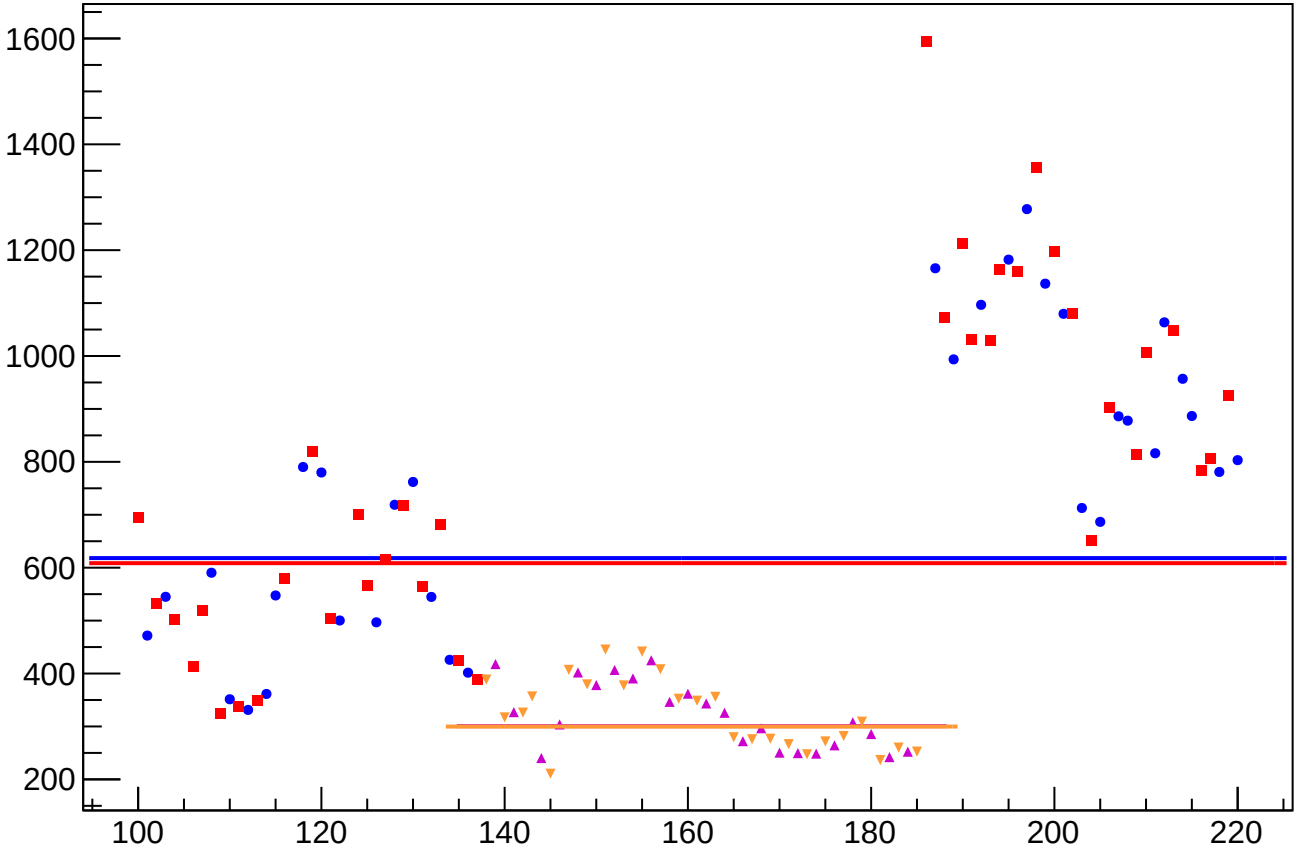
In: 51.617+/-0.006 χ^2/NDF:6393849.0/55

Out: 51.826+/-0.006 χ^2/NDF:8016185.1/61

All: 51.722+/-0.004 χ^2/NDF: 14410617.4/117


asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 499.870+/-145.637 χ²/NDF: 54.5/32
Left Out: 188.812+/-69.714 χ²/NDF:46.8/24
Right Out: -517.048+/-144.080 χ²/NDF: 41.1/36
Left In: -1.655+/-71.712 χ²/NDF:32.2/22
Left: 96.270+/-49.987 χ²/NDF: 82.6/47
Right: -14.052+/-102.426 χ²/NDF: 120.2/69
In: 96.217+/-64.336 χ²/NDF:96.3/55
Out: 54.909+/-62.754 χ²/NDF:107.3/61
All: 75.049+/-44.923 χ²/NDF: 203.8/117

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 618.117+/-0.103 χ^2/NDF: 5765799.4/32

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 608.525+/-0.102 χ^2/NDF: 7131841.3/36

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

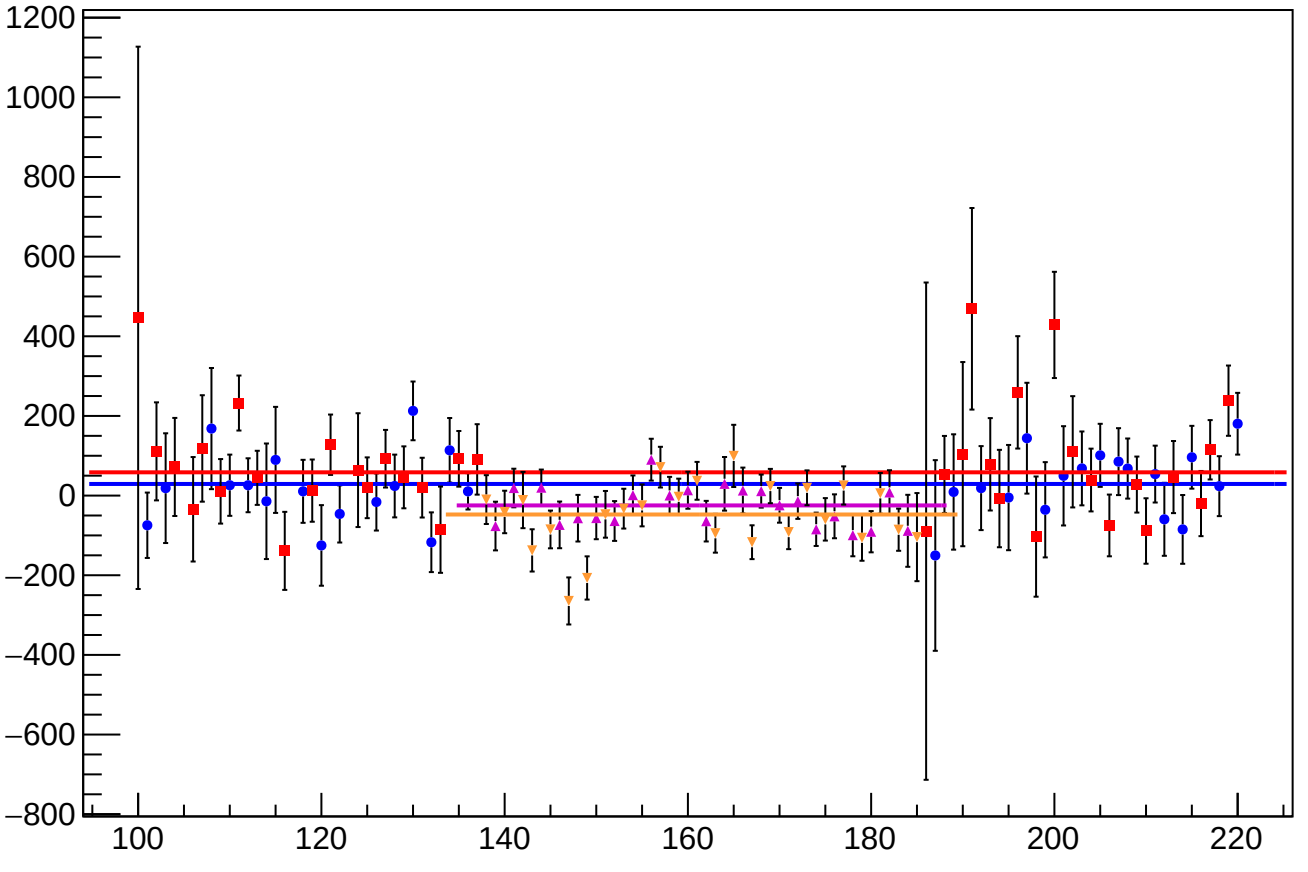
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 613.270+/-0.072 χ^2/NDF: 12902024.9/69

In: 362.518+/-0.045 χ^2/NDF:14679137.0/55

Out: 358.364+/-0.044 χ^2/NDF:16149992.7/61

All: 360.389+/-0.032 χ^2/NDF: 30833400.9/11



Right In: 29.194+/-14.936 χ^2/NDF: 28.6/32

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 58.421+/-15.454 χ^2/NDF: 42.3/36

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

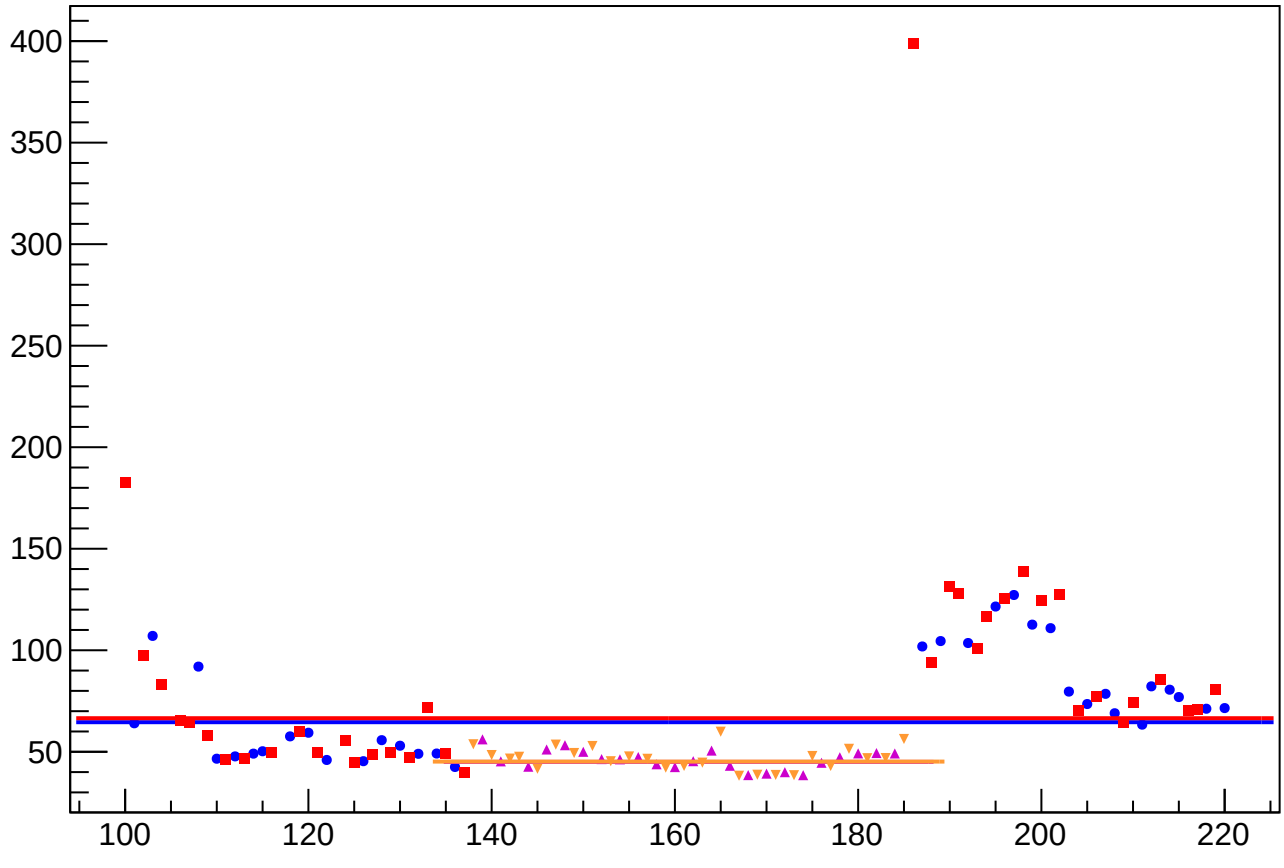
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 43.309+/-10.740 χ^2/NDF: 72.7/69

In: -6.503+/-8.677 χ^2/NDF:56.9/55

Out: -14.505+/-8.624 χ^2/NDF:129.3/61

All: -10.528+/-6.116 χ^2/NDF: 186.6/117



Right In: 64.574+/-0.011 χ^2/NDF: 3749432.4/32

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 66.535+/-0.011 χ^2/NDF: 4895242.7/36

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

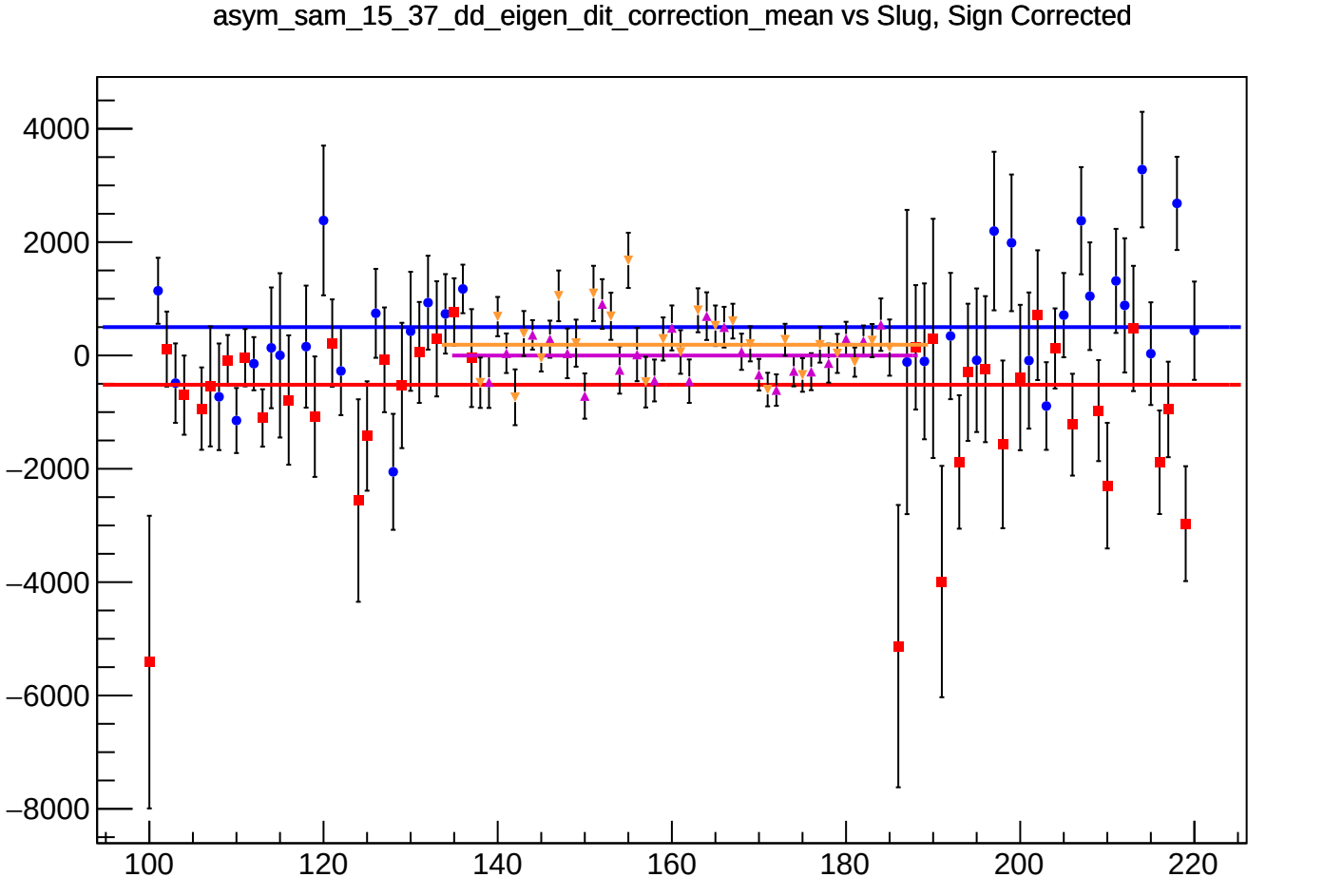
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 65.521+/-0.008 χ^2/NDF: 8661336.2/69

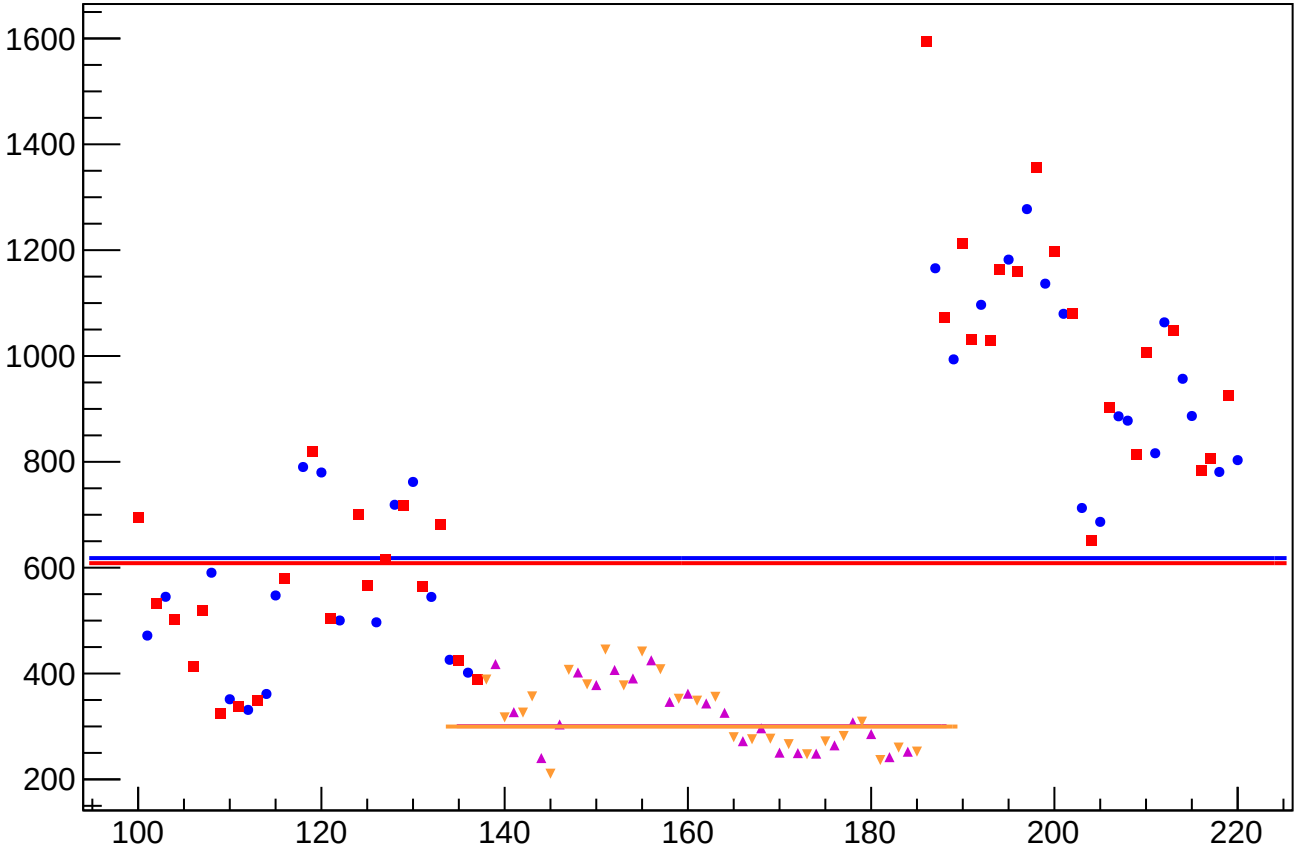
In: 51.617+/-0.006 χ^2/NDF:6393841.2/55

Out: 51.826+/-0.006 χ^2/NDF:8016191.7/61

All: 51.722+/-0.004 χ^2/NDF: 14410616.2/117


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 499.868+/-145.636 χ²/NDF: 54.5/32
Left Out: 188.813+/-69.714 χ²/NDF:46.8/24
Right Out: -517.048+/-144.080 χ²/NDF: 41.1/36
Left In: -1.654+/-71.712 χ²/NDF:32.2/22
Left: 96.270+/-49.987 χ²/NDF: 82.6/47
Right: -14.053+/-102.426 χ²/NDF: 120.2/69
In: 96.217+/-64.336 χ²/NDF:96.3/55
Out: 54.909+/-62.754 χ²/NDF:107.3/61
All: 75.049+/-44.923 χ²/NDF: 203.8/117

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 618.116+/-0.103 χ^2/NDF: 5765822.9/32

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 608.524+/-0.102 χ^2/NDF: 7131858.8/36

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

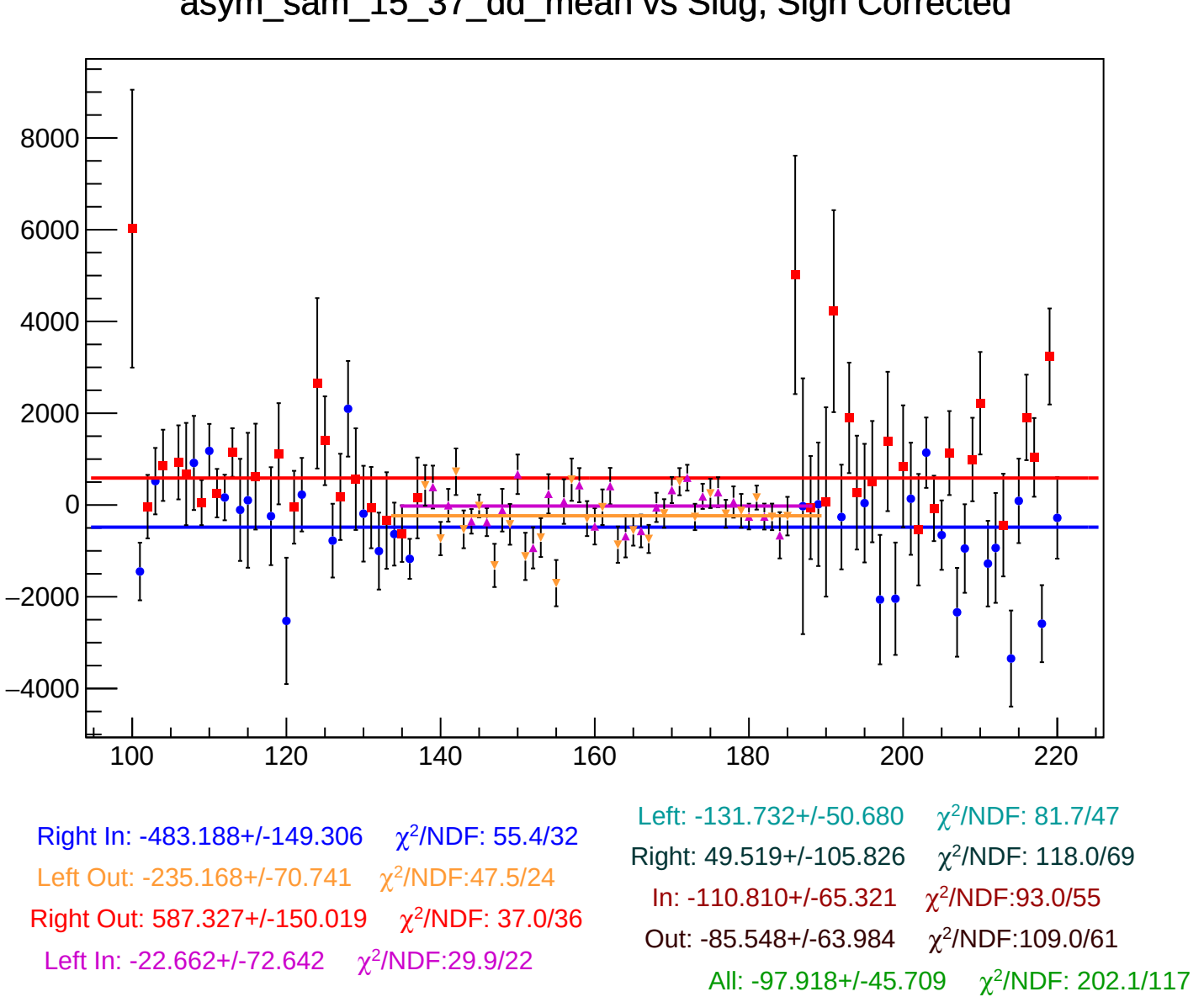
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 613.269+/-0.072 χ^2/NDF: 12902066.0/69

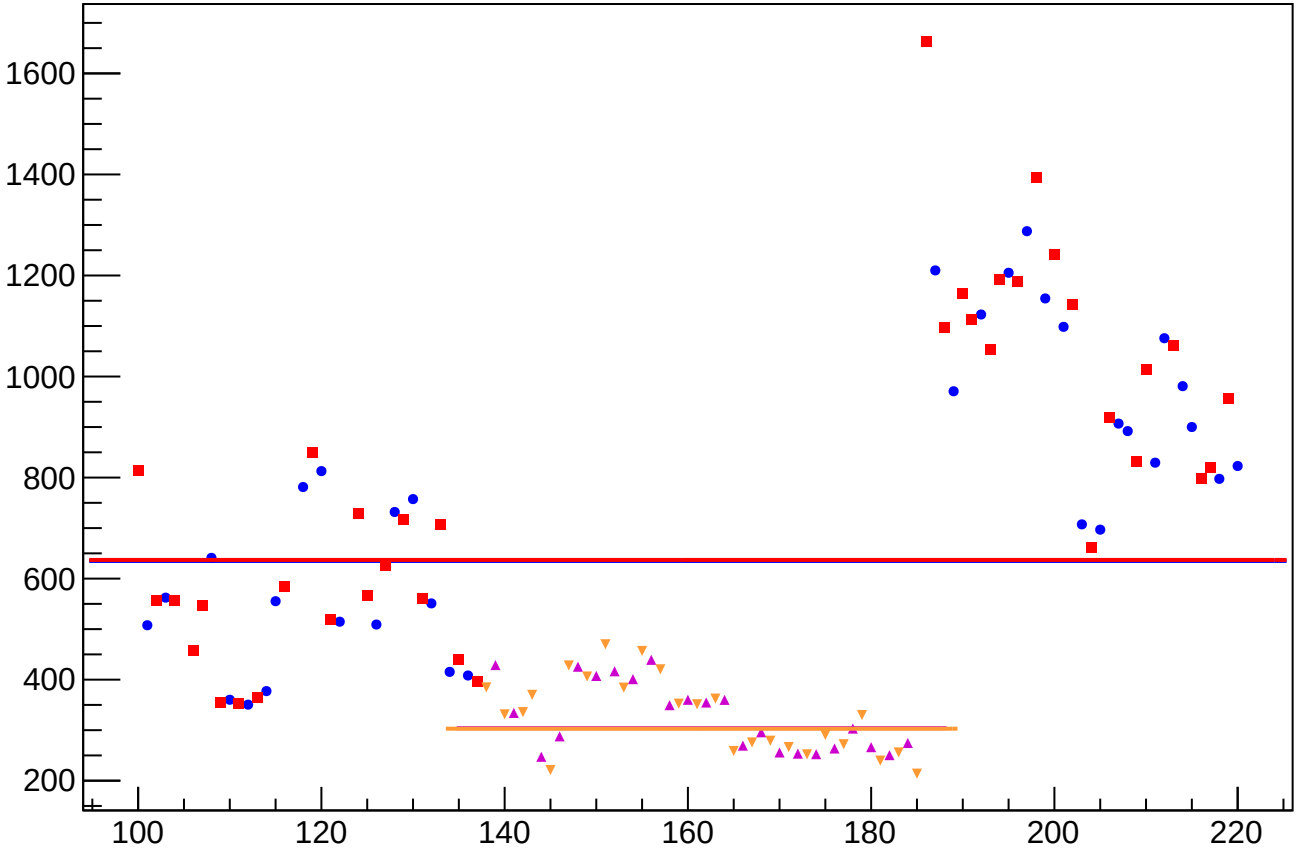
In: 362.518+/-0.045 χ^2/NDF:14679107.4/55

Out: 358.365+/-0.044 χ^2/NDF:16149972.7/61

All: 360.390+/-0.032 χ^2/NDF: 30833351.8/11


asym_sam_15_37_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -483.188+/-149.306 χ²/NDF: 55.4/32
Left Out: -235.168+/-70.741 χ²/NDF:47.5/24
Right Out: 587.327+/-150.019 χ²/NDF: 37.0/36
Left In: -22.662+/-72.642 χ²/NDF:29.9/22
Left: -131.732+/-50.680 χ²/NDF: 81.7/47
Right: 49.519+/-105.826 χ²/NDF: 118.0/69
In: -110.810+/-65.321 χ²/NDF:93.0/55
Out: -85.548+/-63.984 χ²/NDF:109.0/61
All: -97.918+/-45.709 χ²/NDF: 202.1/117

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 634.990+/-0.106 χ^2/NDF: 5562227.3/32

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 636.984+/-0.106 χ^2/NDF: 6718371.6/36

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

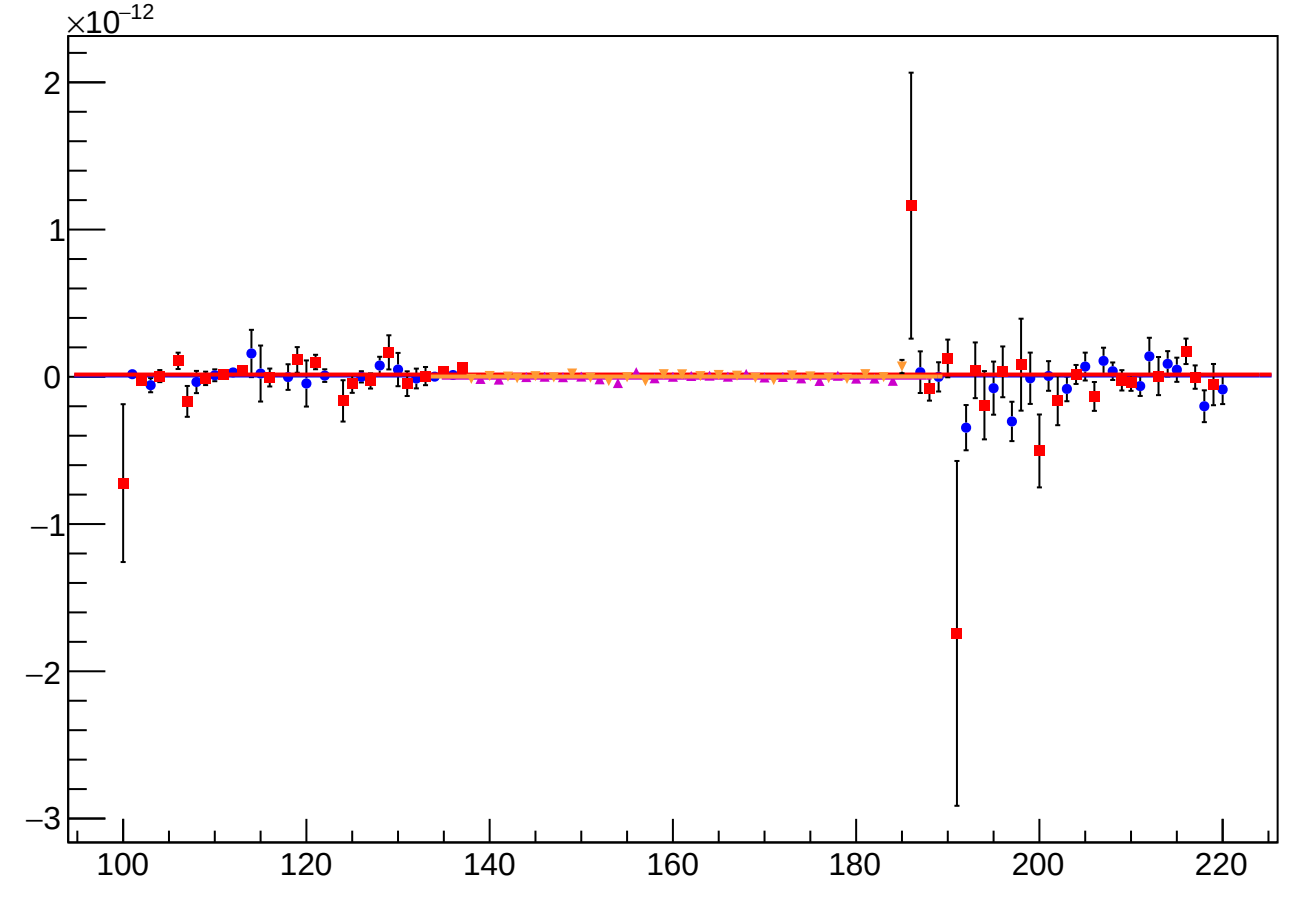
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 635.982+/-0.075 χ^2/NDF: 12280776.5/69

In: 367.291+/-0.046 χ^2/NDF:14889834.6/55

Out: 363.709+/-0.045 χ^2/NDF:16596649.6/61

All: 365.463+/-0.032 χ^2/NDF: 31489554.5/1



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.3/36

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

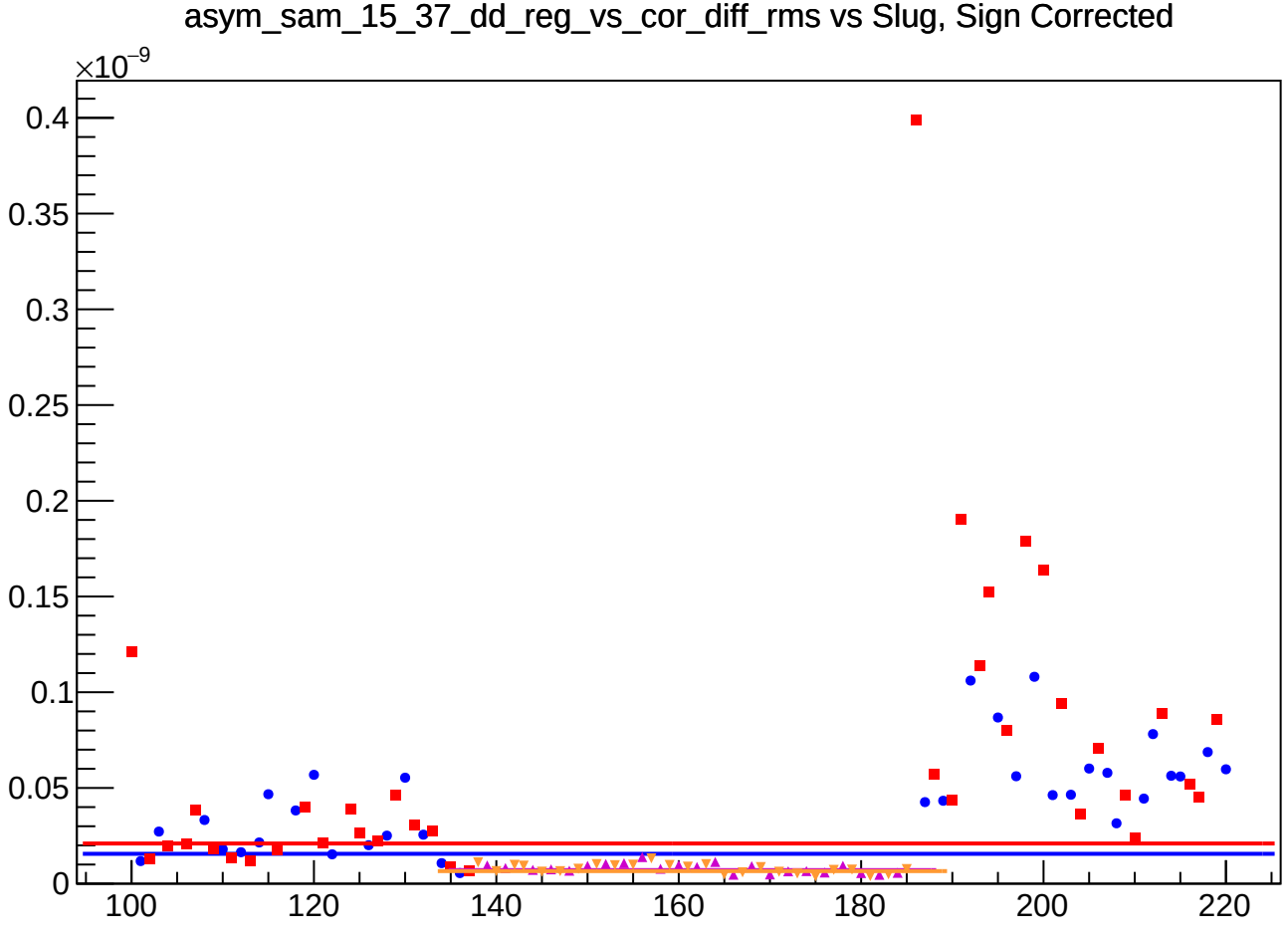
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 71.2/69

In: -0.000+/-0.000 χ^2/NDF:49.1/55

Out: 0.000+/-0.000 χ^2/NDF:68.1/61

All: -0.000+/-0.000 χ^2/NDF: 121.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 8841643.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7801747.6/36

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

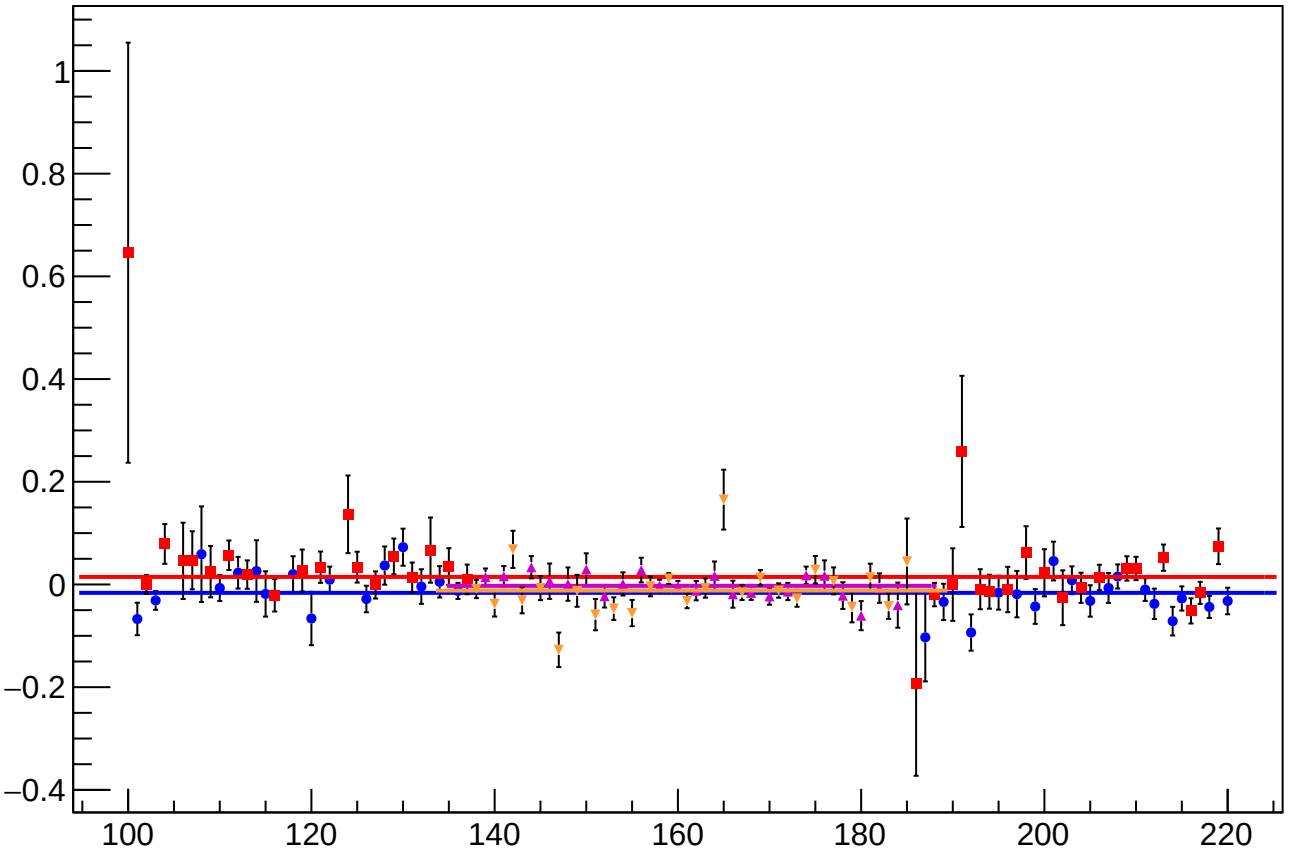
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17037939.7/69

In: 0.000+/-0.000 χ^2/NDF:12039913.3/55

Out: 0.000+/-0.000 χ^2/NDF:13570845.5/61

All: 0.000+/-0.000 χ^2/NDF: 25654632.2/117



Right In: -0.016+/-0.005 χ^2/NDF: 37.3/32

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

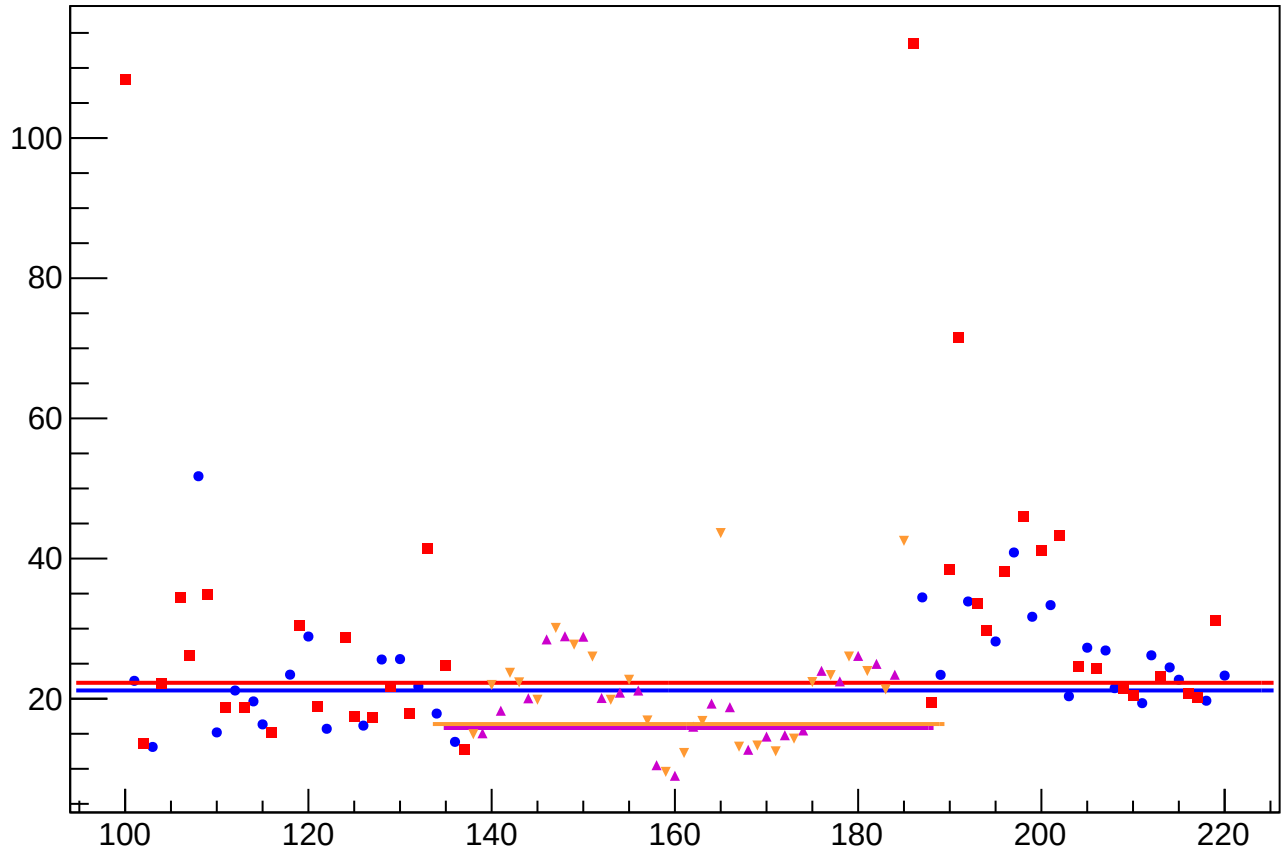
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: -0.002+/-0.004 χ^2/NDF: 96.5/69

In: -0.008+/-0.003 χ^2/NDF:61.5/55

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 173.6/117



Right In: 21.181+/-0.004 χ^2/NDF: 2963207.1/32

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

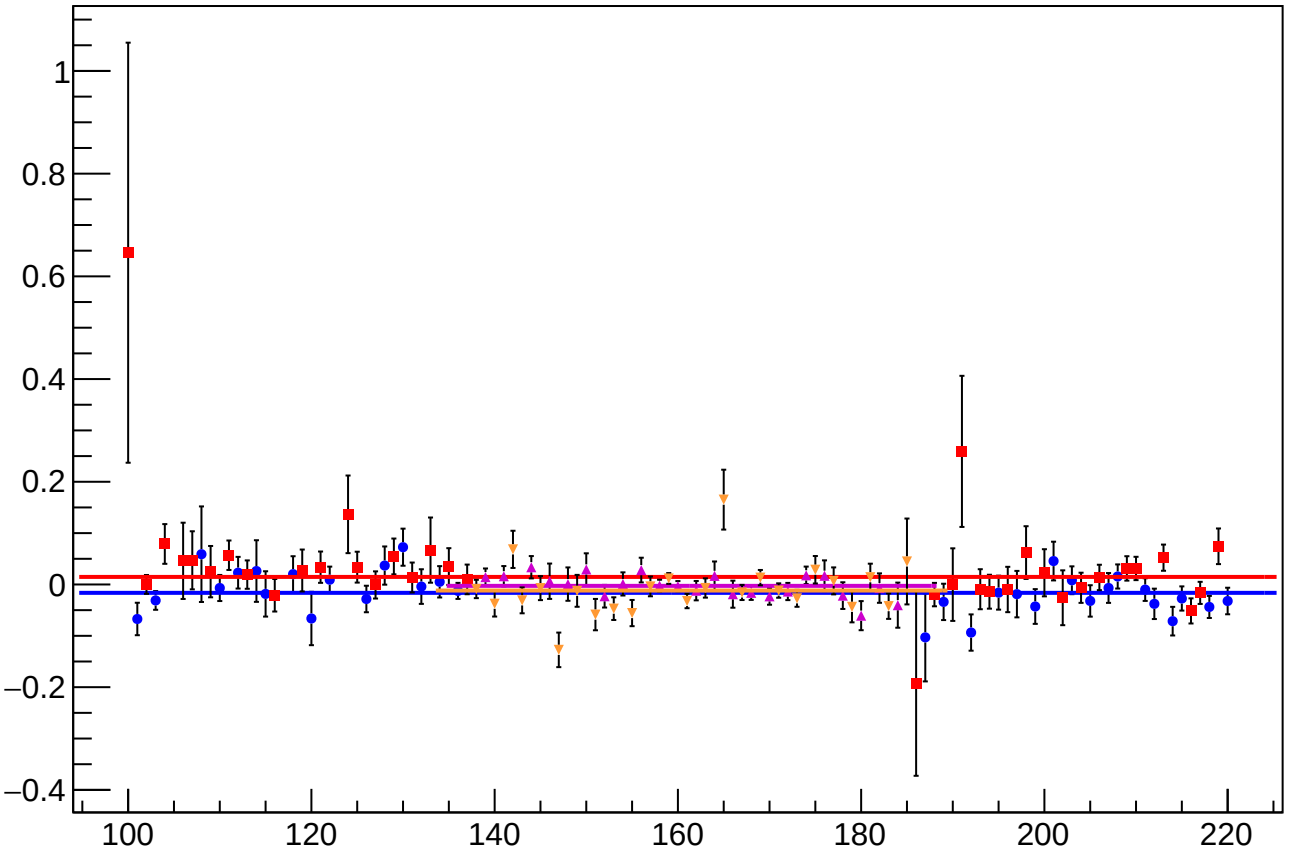
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.694+/-0.003 χ^2/NDF: 7279402.7/69

In: 17.920+/-0.002 χ^2/NDF:7993870.0/55

Out: 18.540+/-0.002 χ^2/NDF:9834718.5/61

All: 18.222+/-0.002 χ^2/NDF: 17866262.8/117



Right In: -0.016+/-0.005 χ^2/NDF: 37.3/32

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

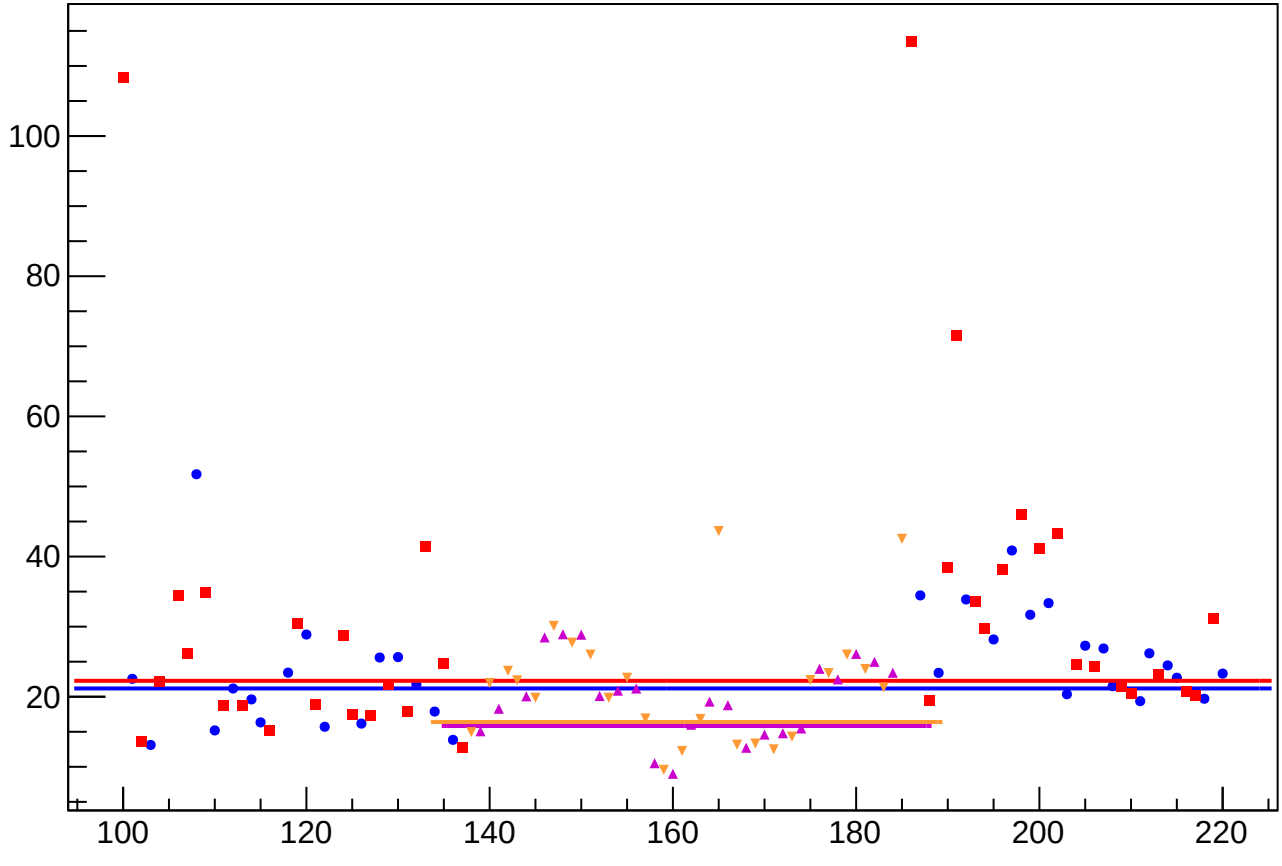
Right: -0.002+/-0.004 χ^2/NDF: 96.5/69

In: -0.008+/-0.003 χ^2/NDF:61.5/55

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 173.6/117

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.181+/-0.004 χ^2/NDF: 2963207.1/32

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

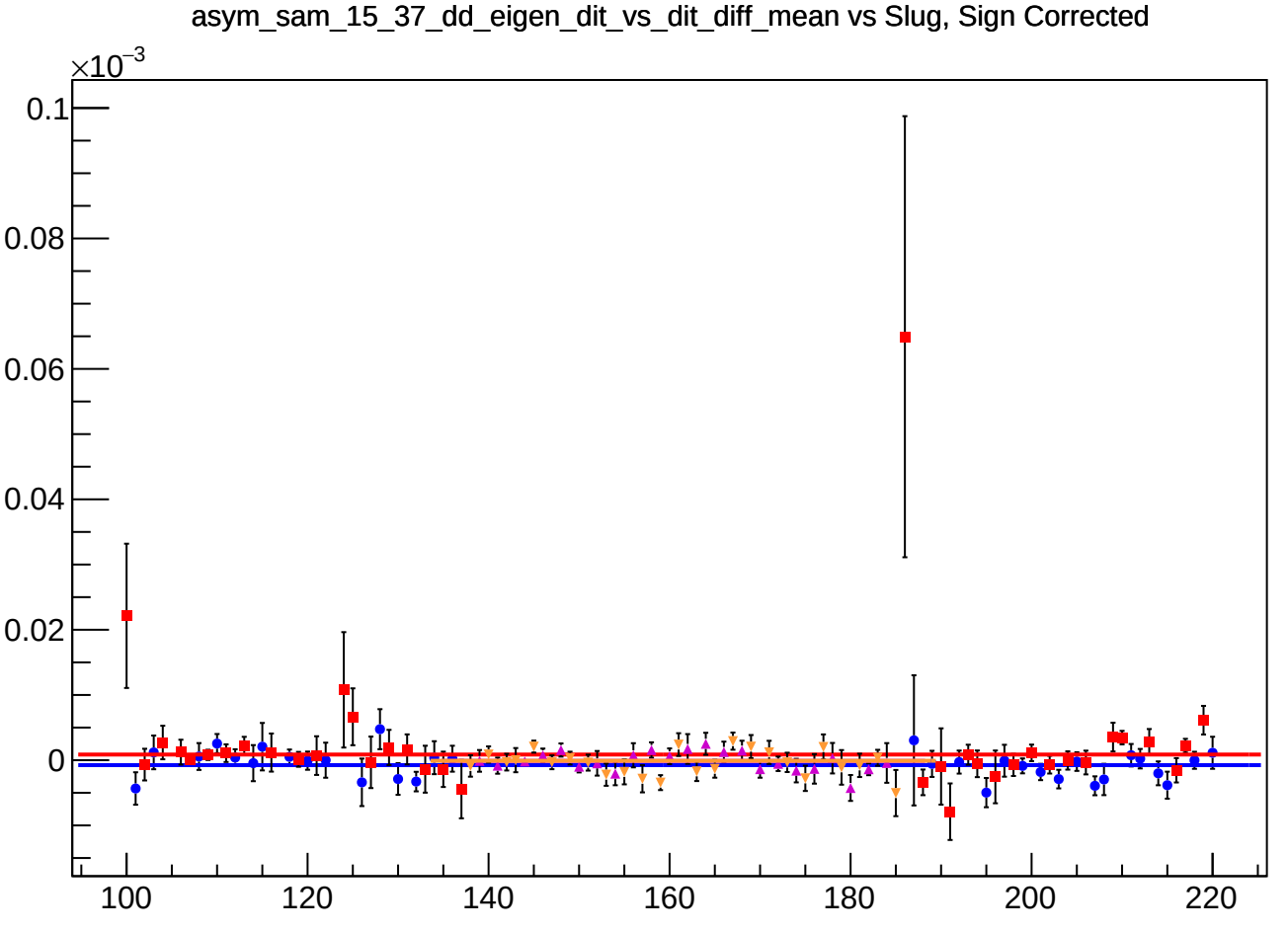
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.694+/-0.003 χ^2/NDF: 7279402.7/69

In: 17.920+/-0.002 χ^2/NDF:7993870.0/55

Out: 18.540+/-0.002 χ^2/NDF:9834718.5/61

All: 18.222+/-0.002 χ^2/NDF: 17866262.8/117



Right In: -0.000+/-0.000 χ^2/NDF: 36.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.7/36

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

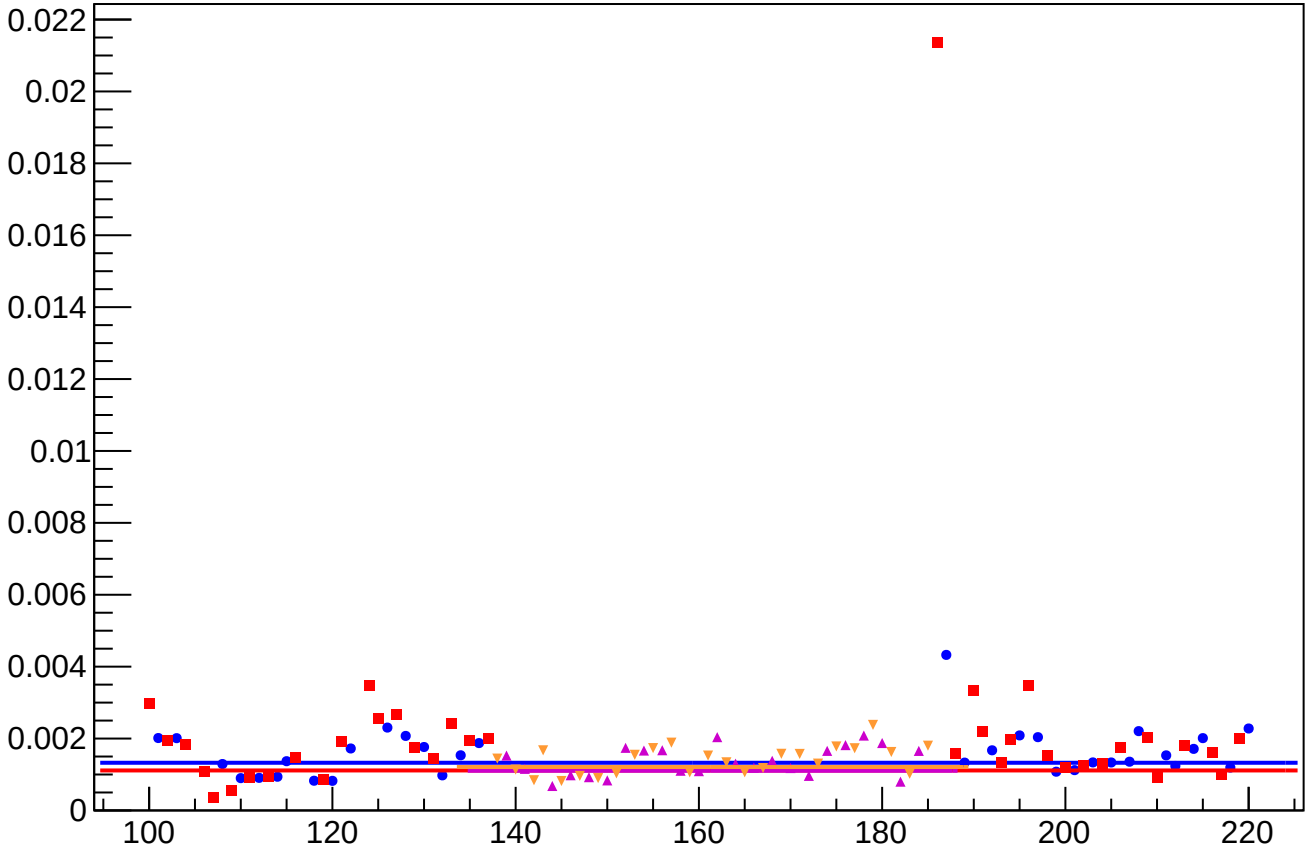
Right: 0.000+/-0.000 χ^2/NDF: 99.4/69

In: -0.000+/-0.000 χ^2/NDF:60.8/55

Out: 0.000+/-0.000 χ^2/NDF:89.5/61

All: 0.000+/-0.000 χ^2/NDF: 158.1/117

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3759139.7/32

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9148848.1/36

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

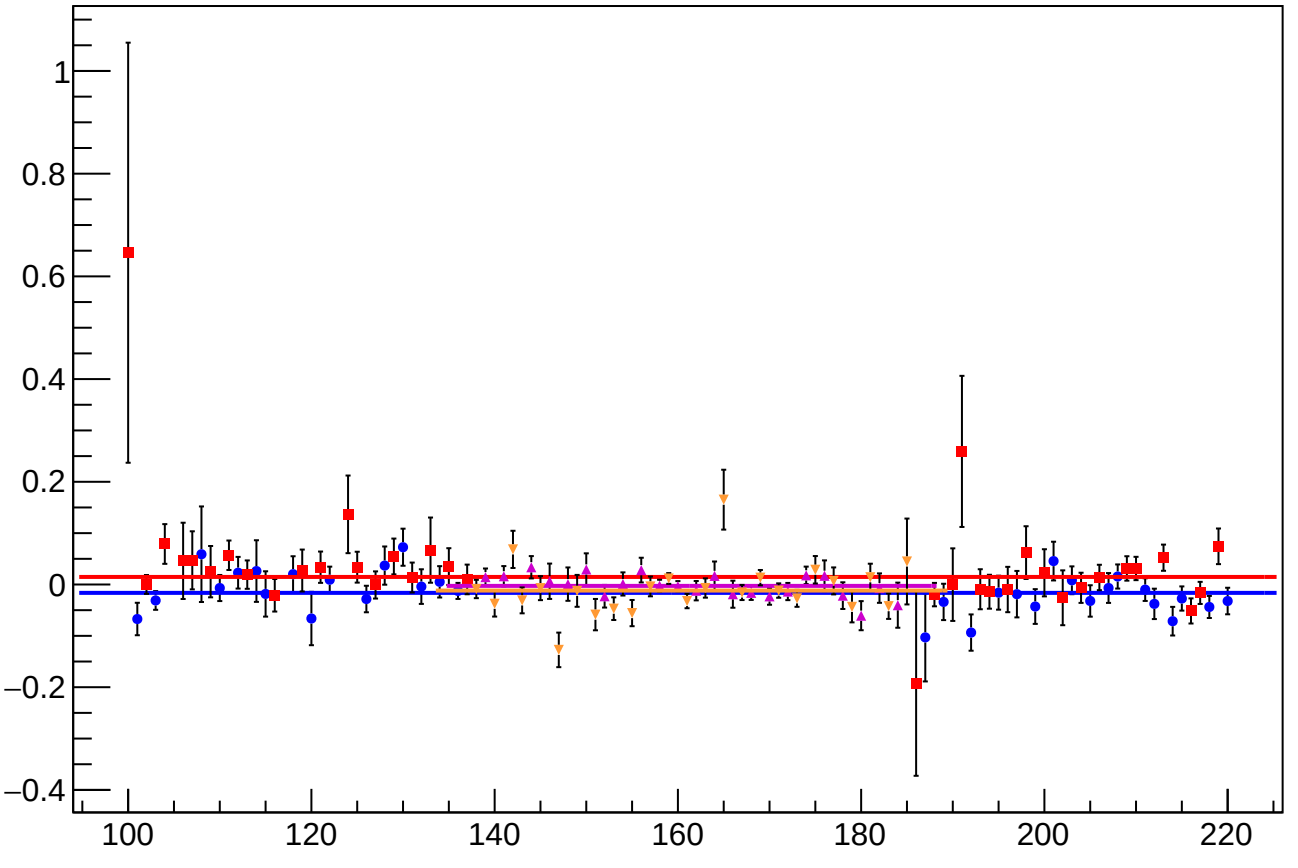
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 13441109.4/69

In: 0.001+/-0.000 χ^2/NDF:7838221.9/55

Out: 0.001+/-0.000 χ^2/NDF:11982854.3/61

All: 0.001+/-0.000 χ^2/NDF: 19867755.4/117



Right In: -0.016+/-0.005 χ^2/NDF: 37.3/32

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

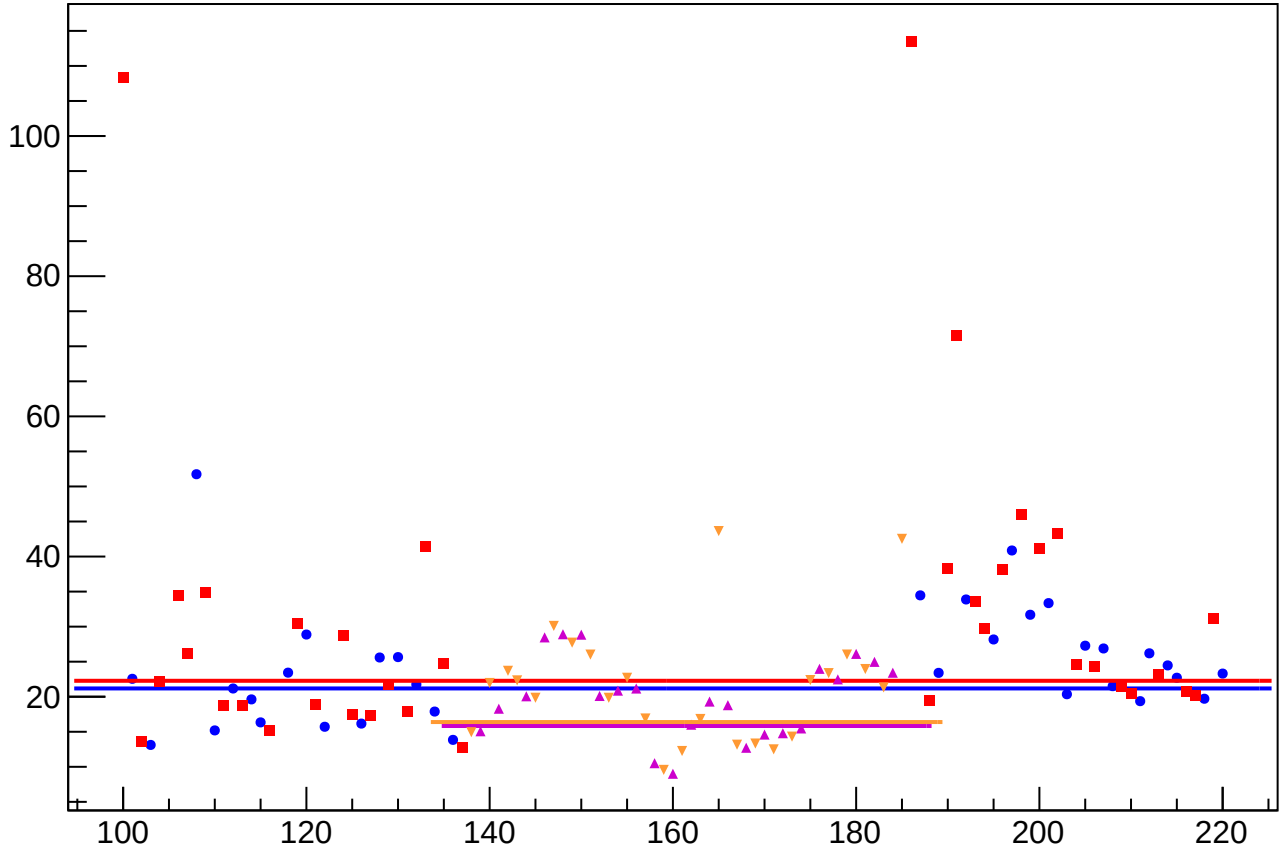
Right: -0.002+/-0.004 χ^2/NDF: 96.5/69

In: -0.008+/-0.003 χ^2/NDF:61.5/55

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 173.6/117

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.181+/-0.004 χ^2/NDF: 2963234.7/32

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

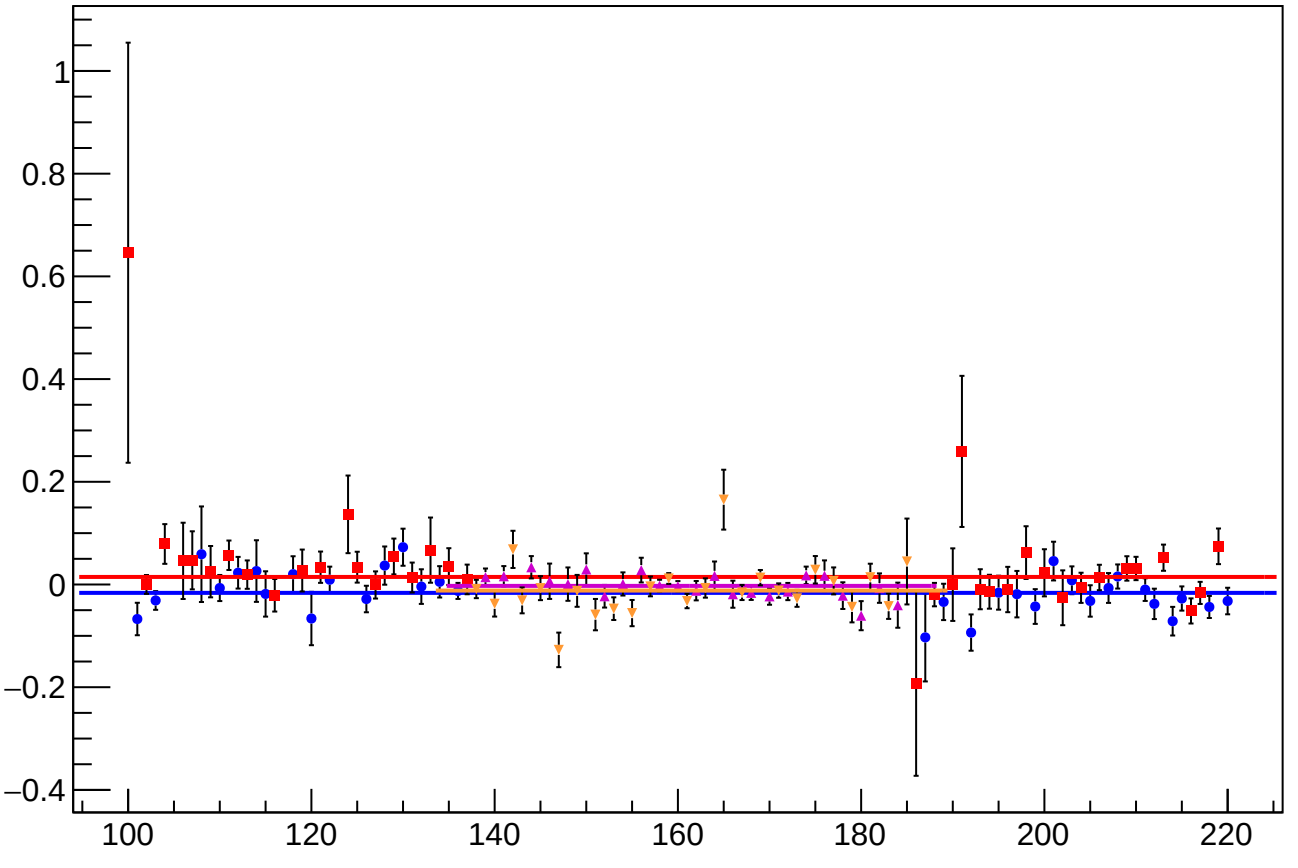
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.694+/-0.003 χ^2/NDF: 7279190.6/69

In: 17.920+/-0.002 χ^2/NDF:7994382.1/55

Out: 18.540+/-0.002 χ^2/NDF:9834956.8/61

All: 18.222+/-0.002 χ^2/NDF: 17867030.0/117



Right In: -0.016+/-0.005 χ^2/NDF: 37.3/32

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

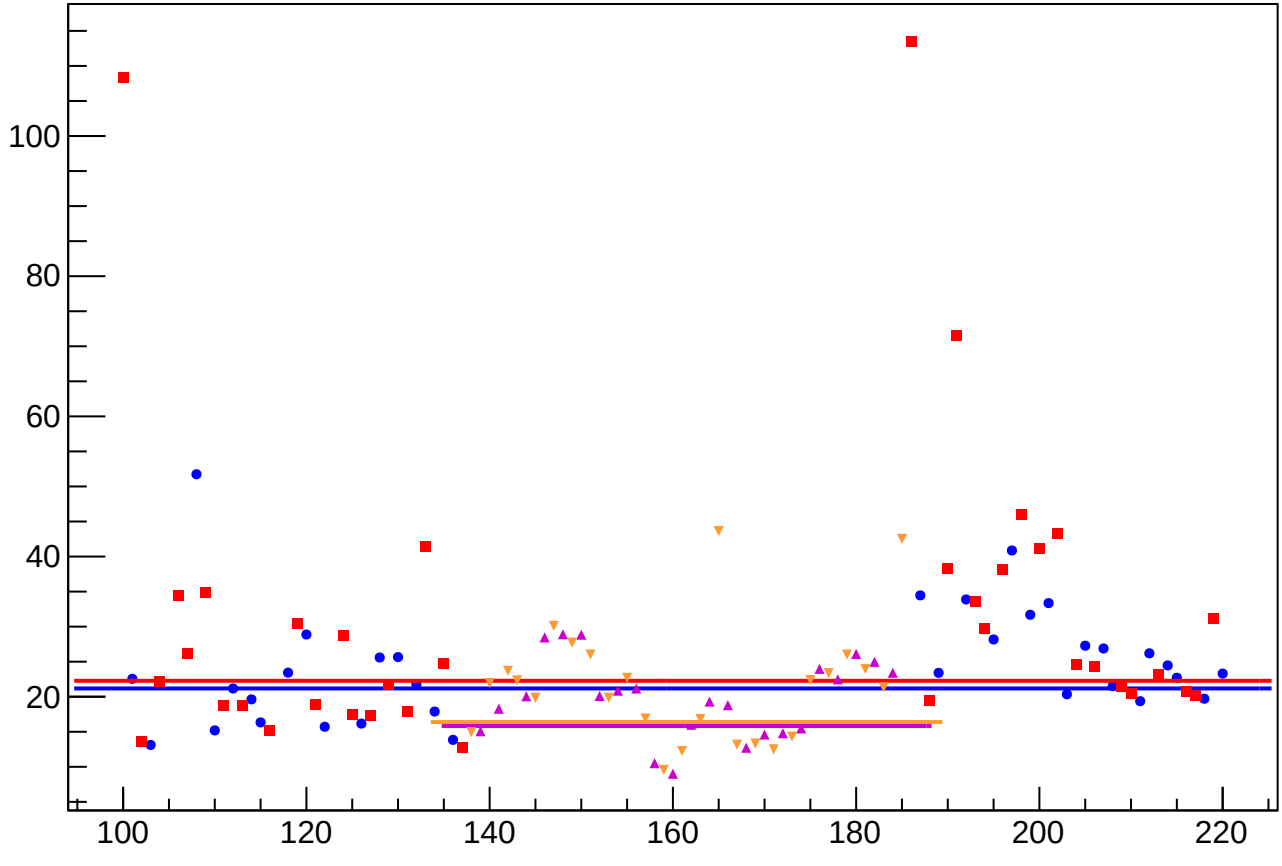
Right: -0.002+/-0.004 χ^2/NDF: 96.5/69

In: -0.008+/-0.003 χ^2/NDF:61.5/55

Out: -0.002+/-0.003 χ^2/NDF:110.3/61

All: -0.005+/-0.002 χ^2/NDF: 173.6/117

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.181+/-0.004 χ^2/NDF: 2963234.7/32

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

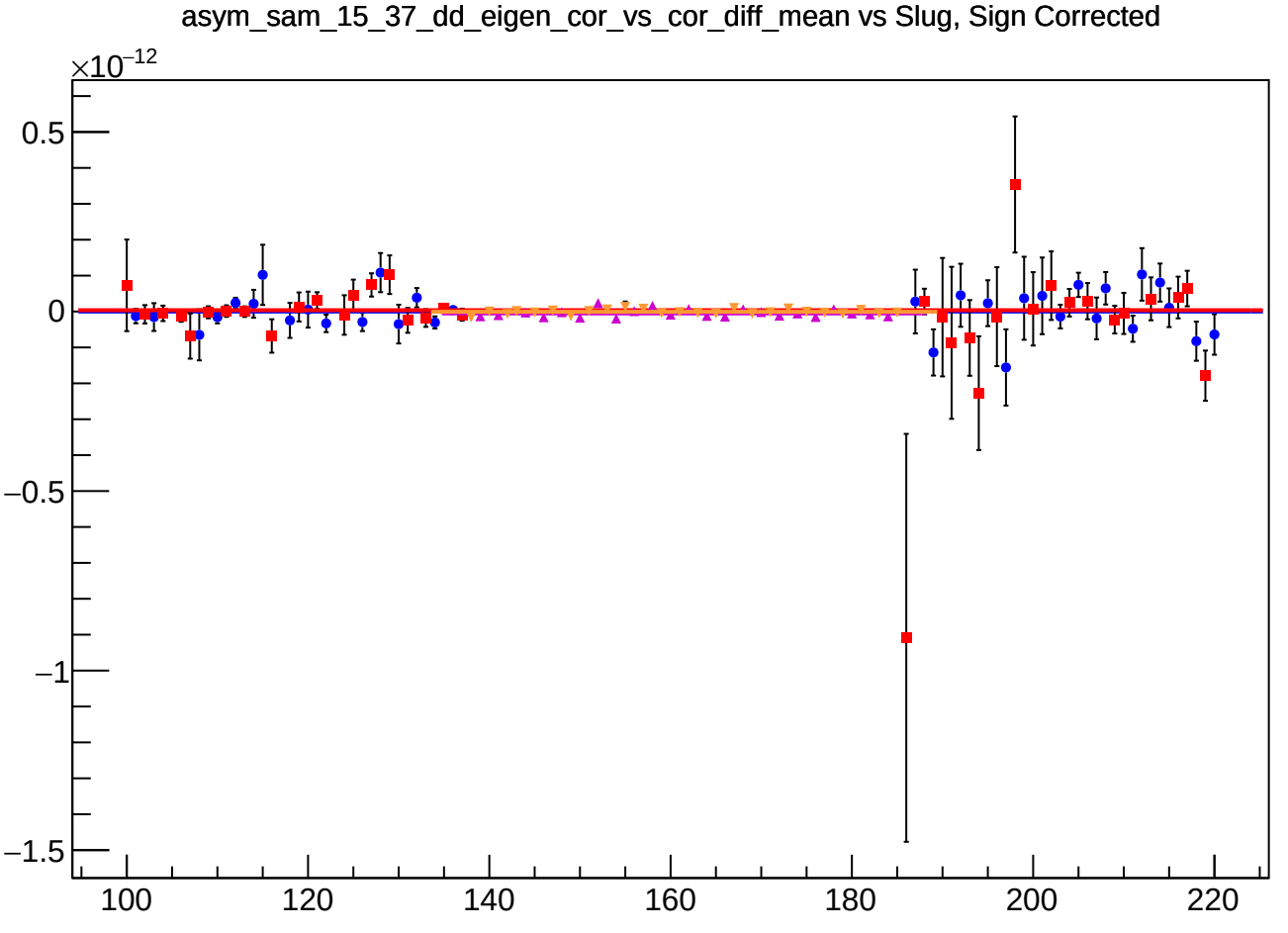
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.694+/-0.003 χ^2/NDF: 7279190.6/69

In: 17.920+/-0.002 χ^2/NDF:7994382.1/55

Out: 18.540+/-0.002 χ^2/NDF:9834956.8/61

All: 18.222+/-0.002 χ^2/NDF: 17867030.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 43.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.0/36

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

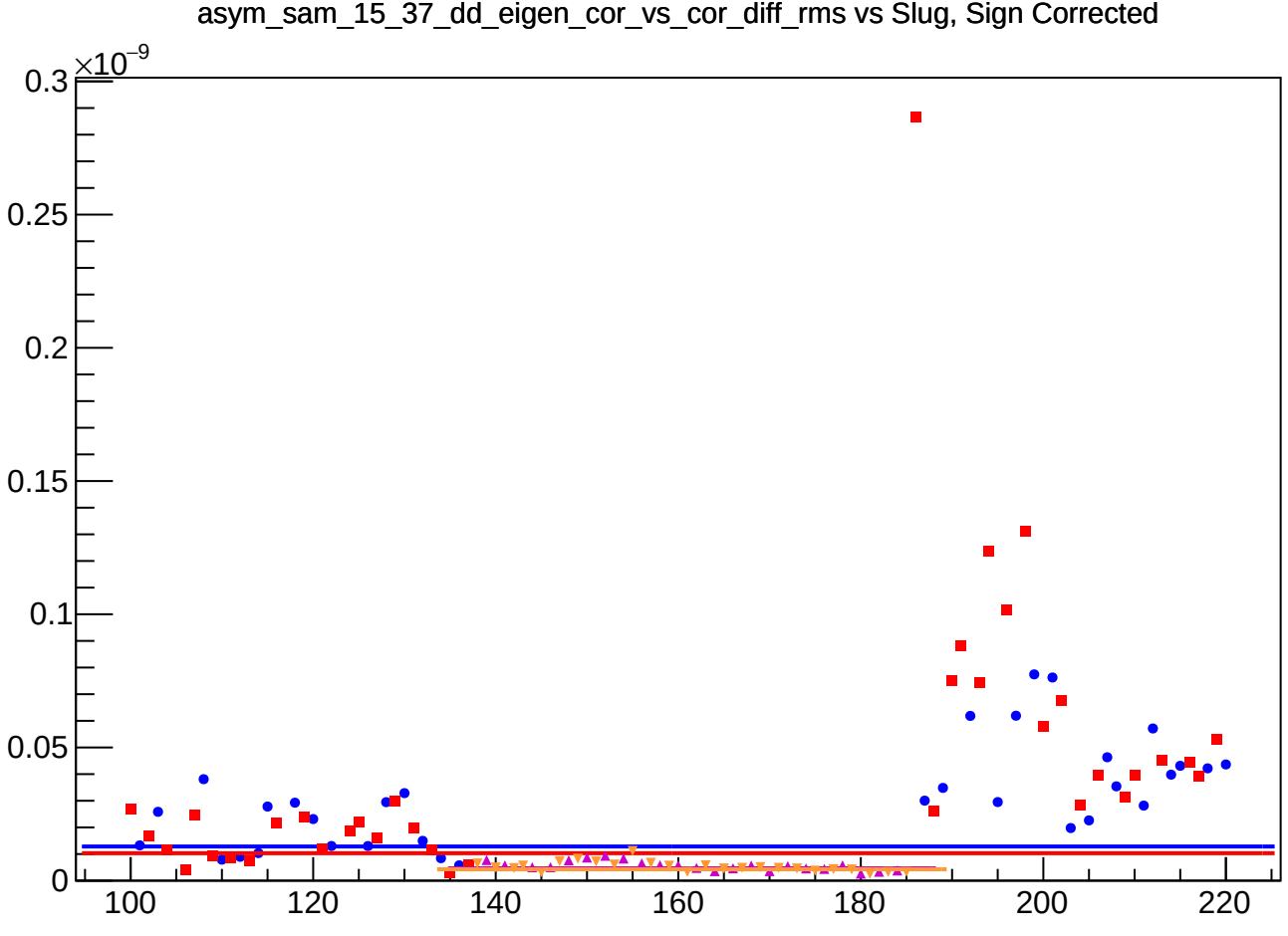
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 82.5/69

In: -0.000+/-0.000 χ^2/NDF:82.3/55

Out: -0.000+/-0.000 χ^2/NDF:59.1/61

All: -0.000+/-0.000 χ^2/NDF: 147.6/117



Right In: 0.000+/-0.000 χ^2/NDF: 11136406.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14887511.4/36

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

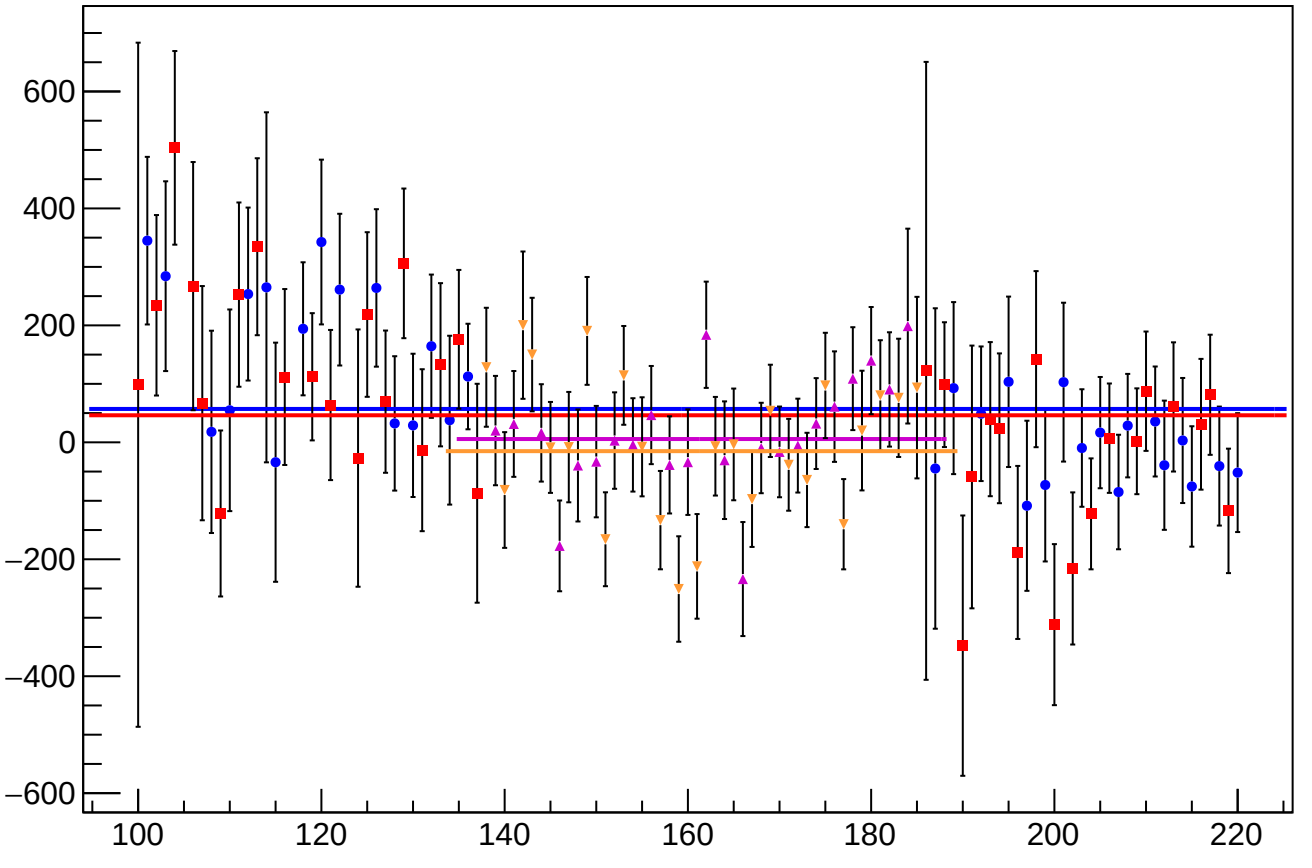
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 26334937.2/69

In: 0.000+/-0.000 χ^2/NDF:19164367.4/55

Out: 0.000+/-0.000 χ^2/NDF:21098397.7/61

All: 0.000+/-0.000 χ^2/NDF: 40438547.9/117



Right In: 57.090+/-21.271 χ^2/NDF: 30.5/32

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 46.249+/-21.851 χ^2/NDF: 49.2/36

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

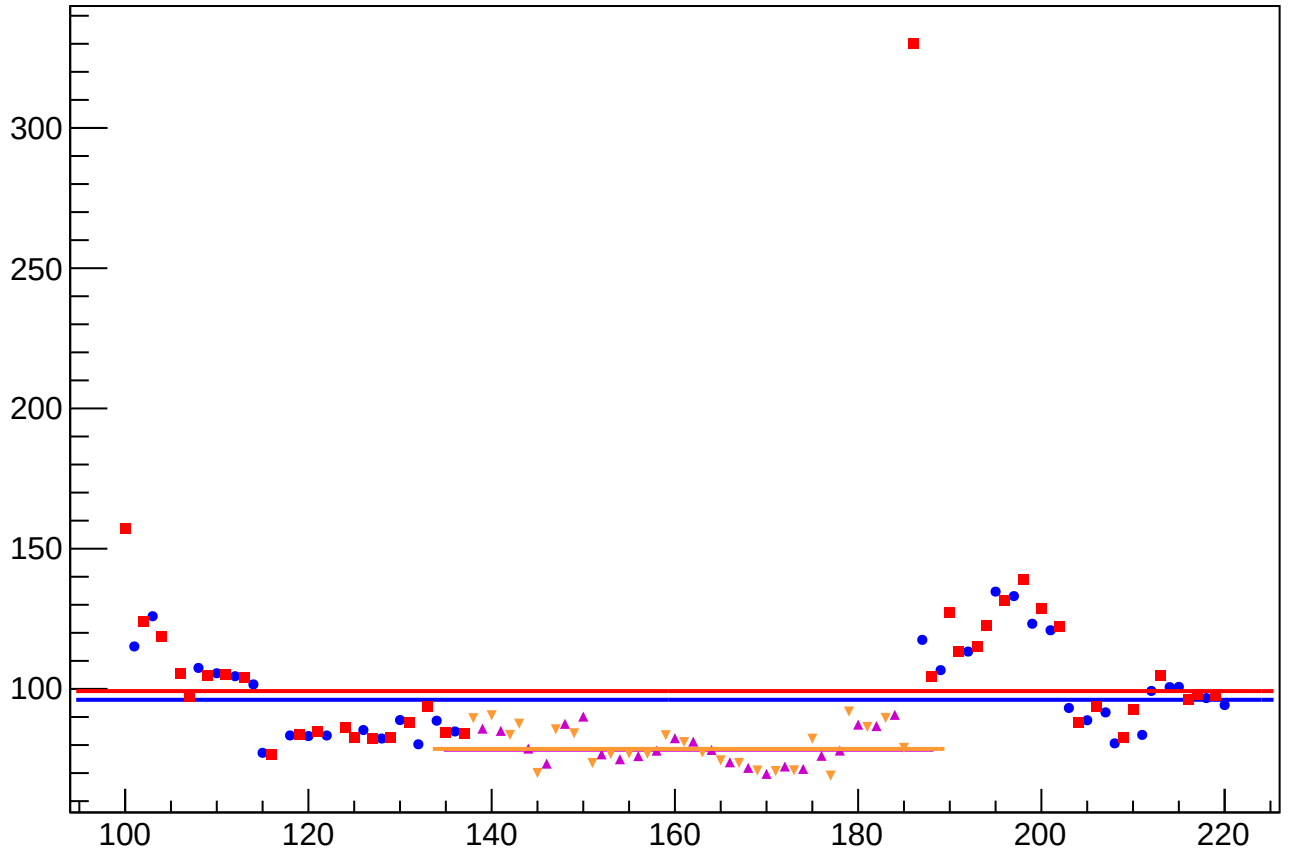
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 51.815+/-15.242 χ^2/NDF: 79.8/69

In: 27.630+/-13.908 χ^2/NDF:56.8/55

Out: 9.630+/-13.873 χ^2/NDF:95.6/61

All: 18.607+/-9.822 χ^2/NDF: 153.2/117



Right In: 96.133+/-0.015 χ^2/NDF: 934919.6/32

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.240+/-0.015 χ^2/NDF: 1413972.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

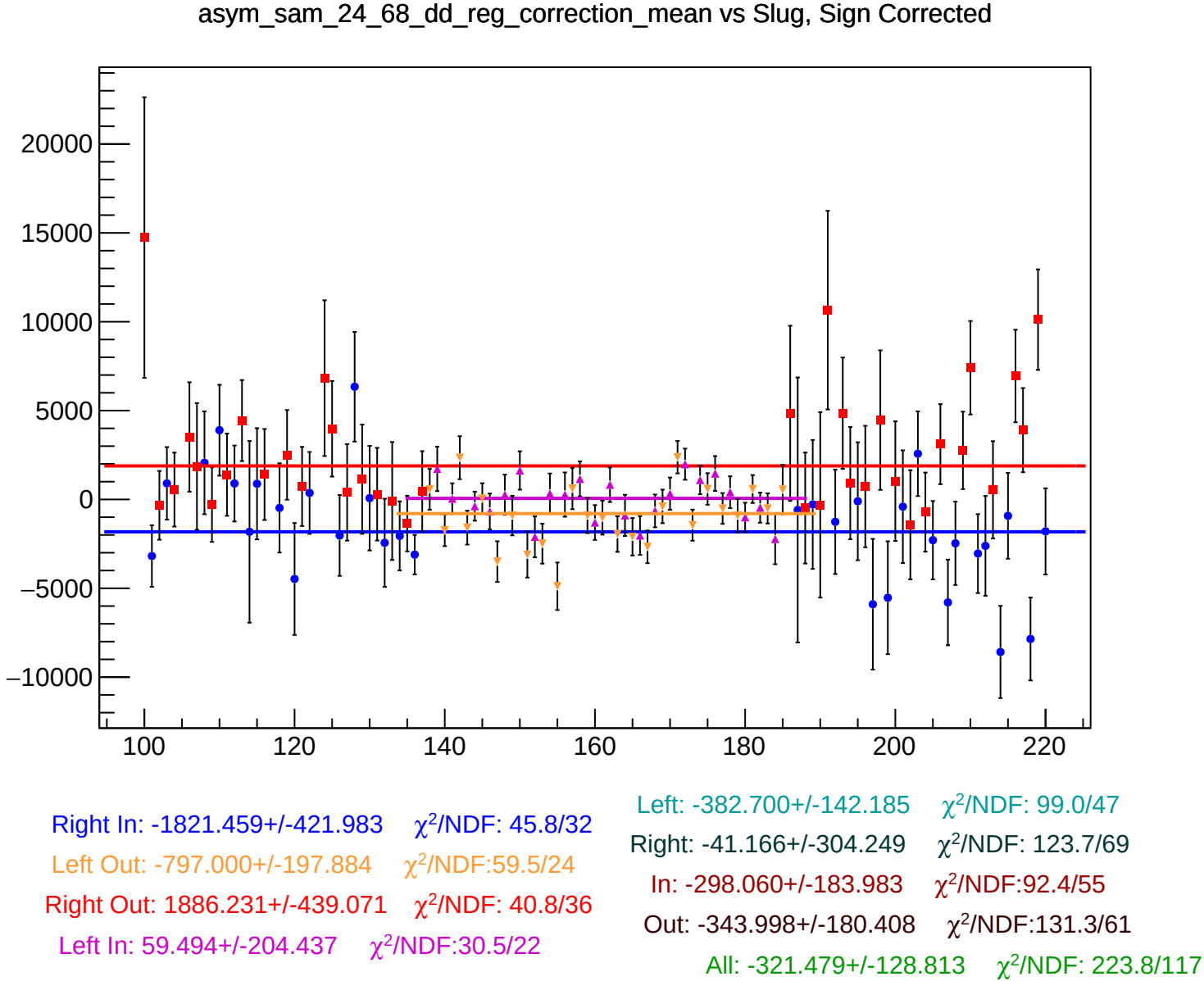
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

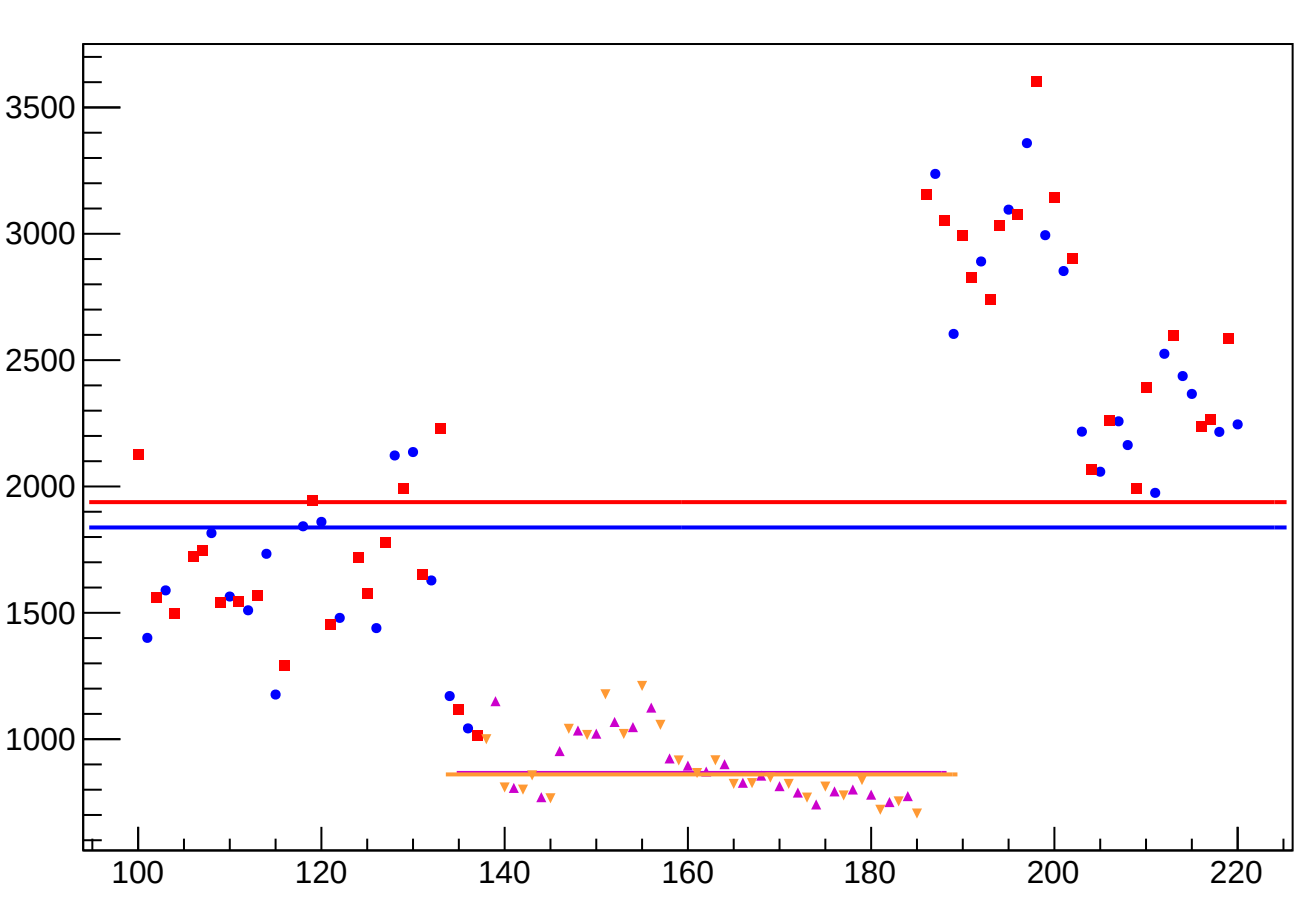
Right: 97.644+/-0.011 χ^2/NDF: 2369655.2/69

In: 85.943+/-0.010 χ^2/NDF:1945673.7/55

Out: 86.931+/-0.010 χ^2/NDF:2784420.7/61

All: 86.438+/-0.007 χ^2/NDF: 4735148.3/117


asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1821.459+/-421.983 χ²/NDF: 45.8/32
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1886.231+/-439.071 χ²/NDF: 40.8/36
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -41.166+/-304.249 χ²/NDF: 123.7/69
In: -298.060+/-183.983 χ²/NDF:92.4/55
Out: -343.998+/-180.408 χ²/NDF:131.3/61
All: -321.479+/-128.813 χ²/NDF: 223.8/117



Right In: 1837.808+/-0.298 χ^2/NDF: 3863437.5/32

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1938.067+/-0.310 χ^2/NDF: 3871029.5/36

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

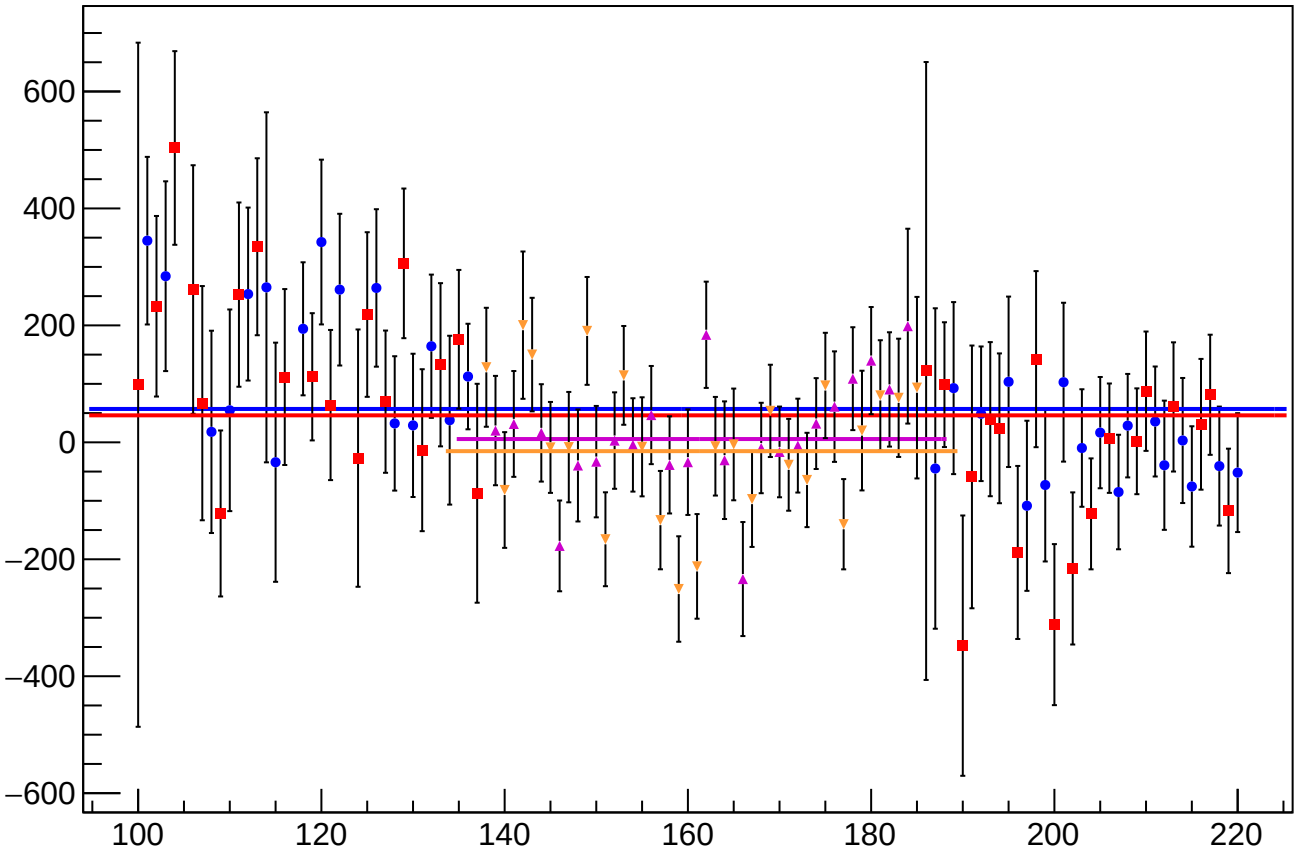
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1885.949+/-0.215 χ^2/NDF: 7788676.6/69

In: 1051.017+/-0.130 χ^2/NDF:13061337.4/55

Out: 1042.416+/-0.128 χ^2/NDF:14582877.3/61

All: 1046.632+/-0.091 χ^2/NDF: 27646443.3/1



Right In: 57.085+/-21.271 χ^2/NDF: 30.5/32

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 46.141+/-21.852 χ^2/NDF: 49.1/36

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

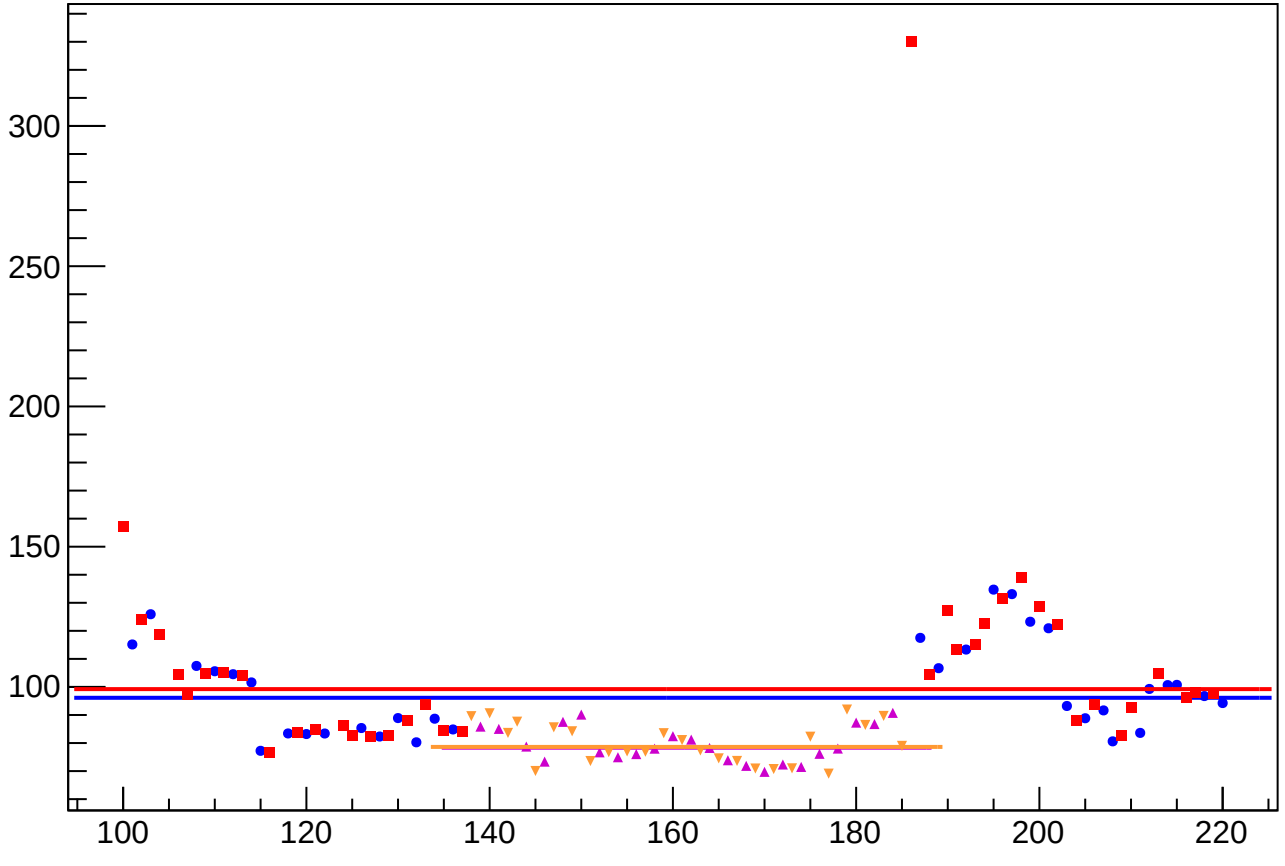
Right: 51.760+/-15.242 χ^2/NDF: 79.7/69

In: 27.625+/-13.908 χ^2/NDF:56.8/55

Out: 9.587+/-13.873 χ^2/NDF:95.5/61

All: 18.584+/-9.822 χ^2/NDF: 153.1/117

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 96.133+/-0.015 χ^2/NDF: 934921.2/32

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

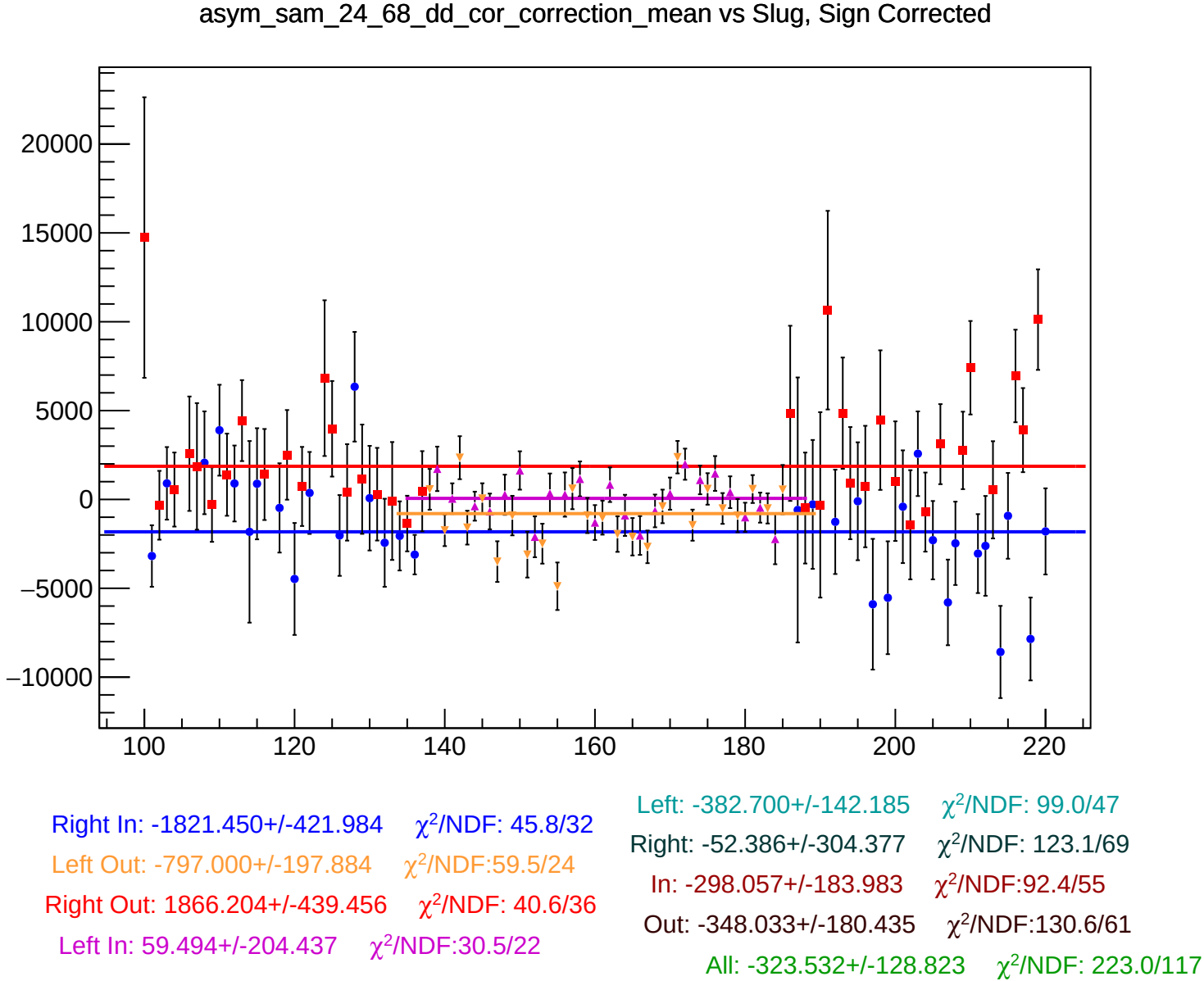
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

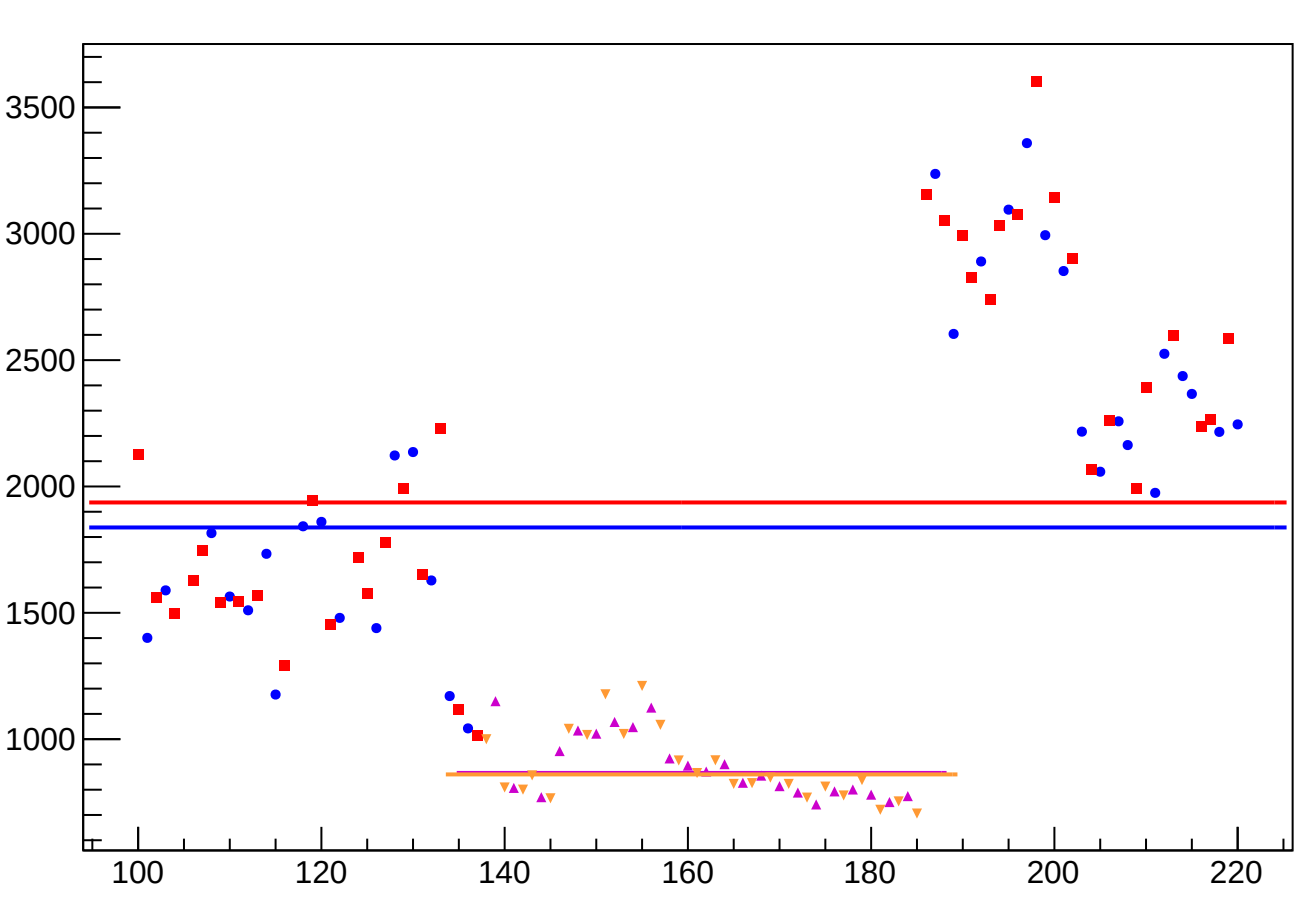
Right: 97.638+/-0.011 χ^2/NDF: 2369009.2/69

In: 85.943+/-0.010 χ^2/NDF:1945675.6/55

Out: 86.925+/-0.010 χ^2/NDF:2782563.1/61

All: 86.436+/-0.007 χ^2/NDF: 4733235.9/117


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1821.450+/-421.984 χ²/NDF: 45.8/32
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1866.204+/-439.456 χ²/NDF: 40.6/36
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -52.386+/-304.377 χ²/NDF: 123.1/69
In: -298.057+/-183.983 χ²/NDF:92.4/55
Out: -348.033+/-180.435 χ²/NDF:130.6/61
All: -323.532+/-128.823 χ²/NDF: 223.0/117



Right In: 1837.811+/-0.298 χ^2/NDF: 3863421.3/32

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

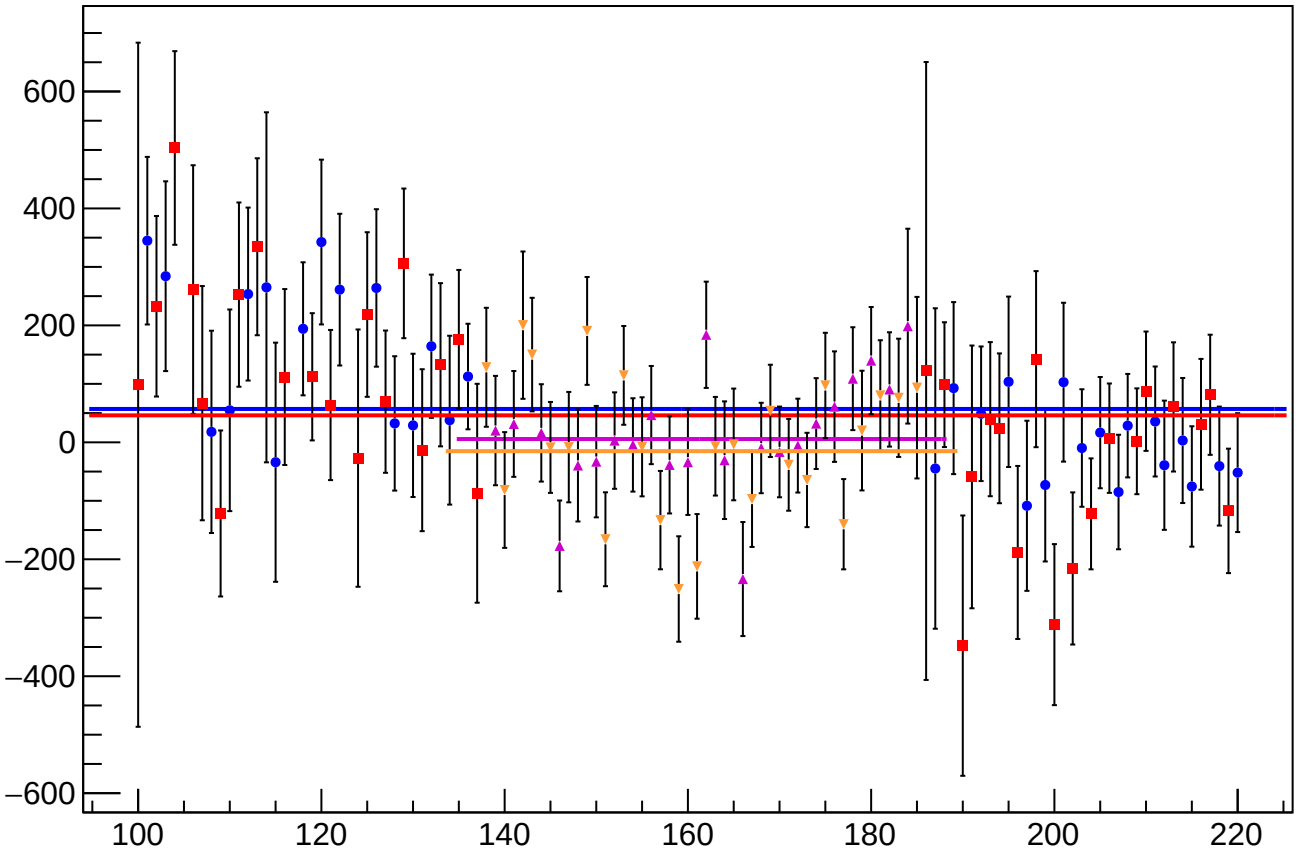
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1885.267+/-0.215 χ^2/NDF: 7795539.4/69

In: 1051.018+/-0.130 χ^2/NDF:13061349.8/55

Out: 1041.927+/-0.128 χ^2/NDF:14551938.6/61

All: 1046.384+/-0.091 χ^2/NDF: 27615777.7/1



Right In: 57.085+/-21.271 χ^2/NDF: 30.5/32

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 46.141+/-21.852 χ^2/NDF: 49.1/36

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

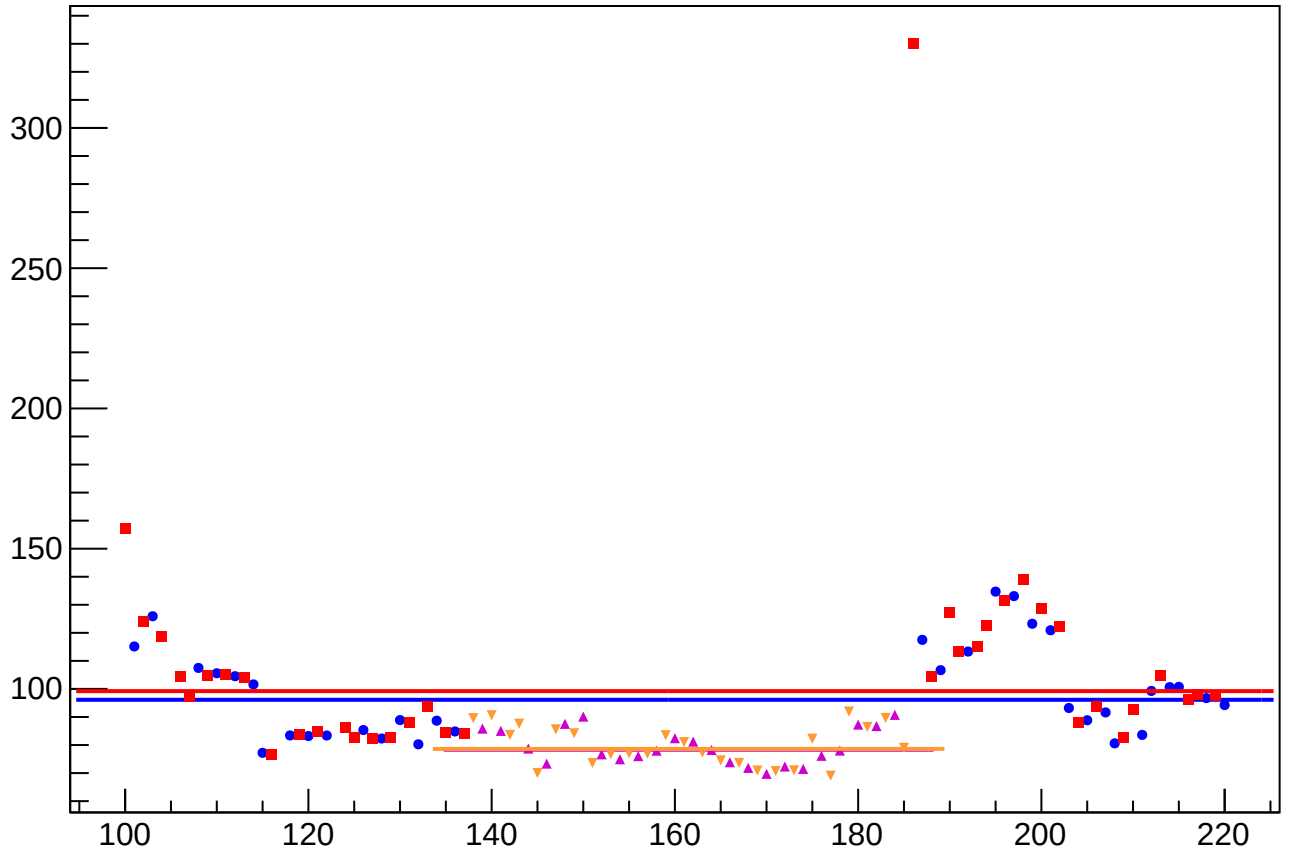
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 51.760+/-15.242 χ^2/NDF: 79.7/69

In: 27.625+/-13.908 χ^2/NDF:56.8/55

Out: 9.587+/-13.873 χ^2/NDF:95.5/61

All: 18.584+/-9.822 χ^2/NDF: 153.1/117



Right In: 96.133+/-0.015 χ^2/NDF: 934921.2/32

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

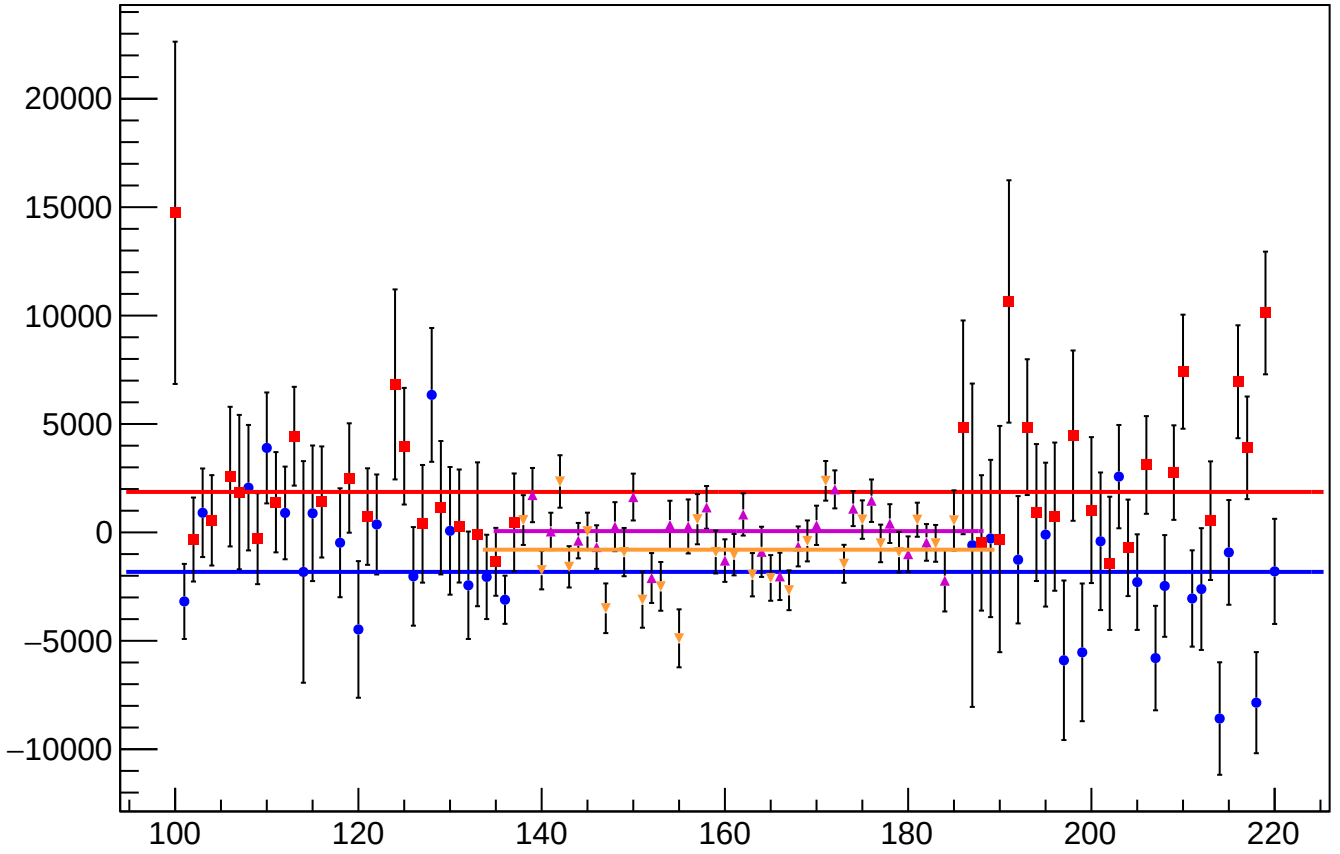
Right: 97.638+/-0.011 χ^2/NDF: 2369009.2/69

In: 85.943+/-0.010 χ^2/NDF:1945675.6/55

Out: 86.925+/-0.010 χ^2/NDF:2782563.1/61

All: 86.436+/-0.007 χ^2/NDF: 4733235.9/117

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1821.450+/-421.984 χ^2/NDF: 45.8/32

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1866.204+/-439.456 χ^2/NDF: 40.6/36

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

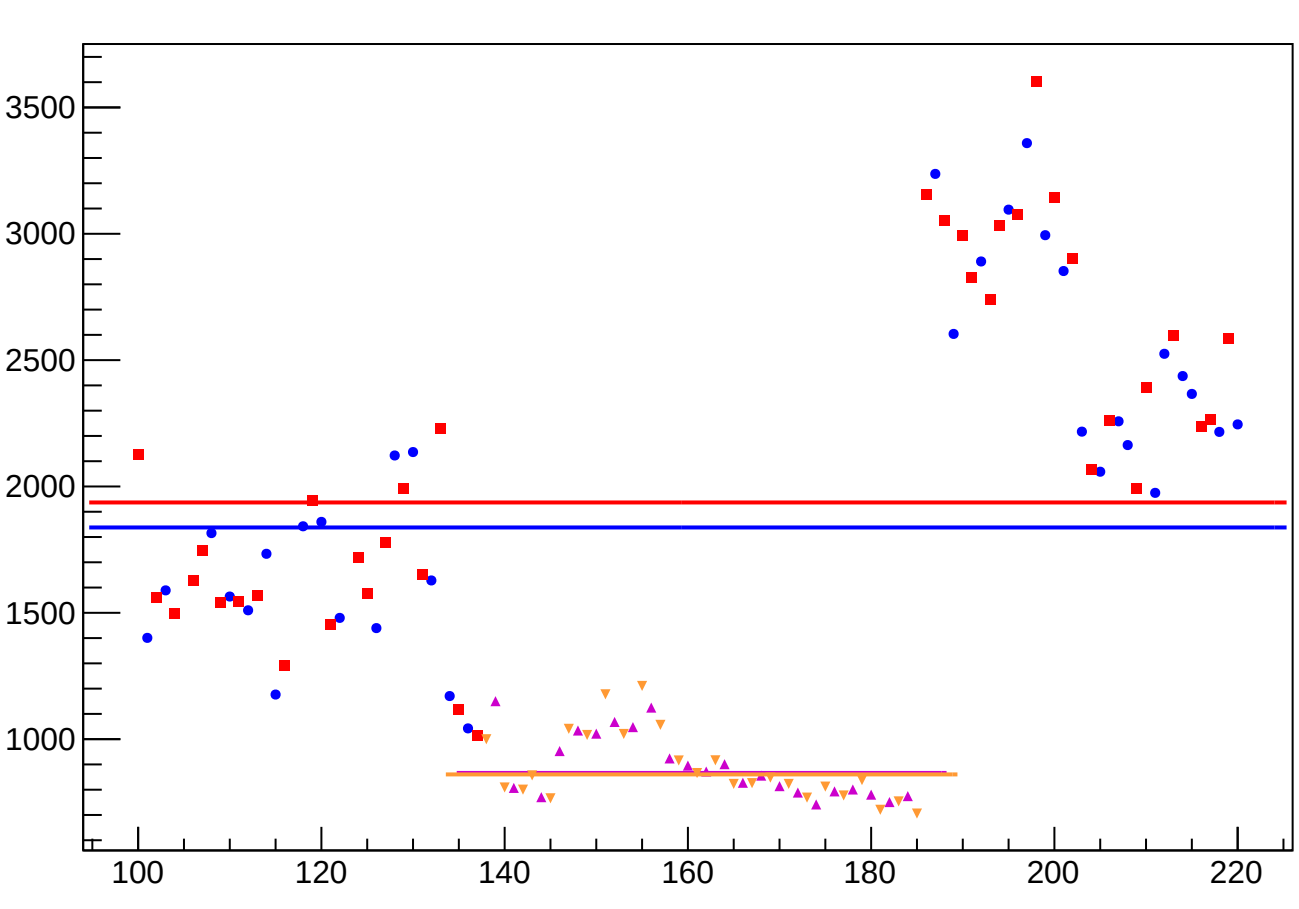
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -52.386+/-304.377 χ^2/NDF: 123.1/69

In: -298.057+/-183.983 χ^2/NDF:92.4/55

Out: -348.033+/-180.435 χ^2/NDF:130.6/61

All: -323.532+/-128.823 χ^2/NDF: 223.0/117



Right In: 1837.811+/-0.298 χ^2/NDF: 3863421.3/32

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

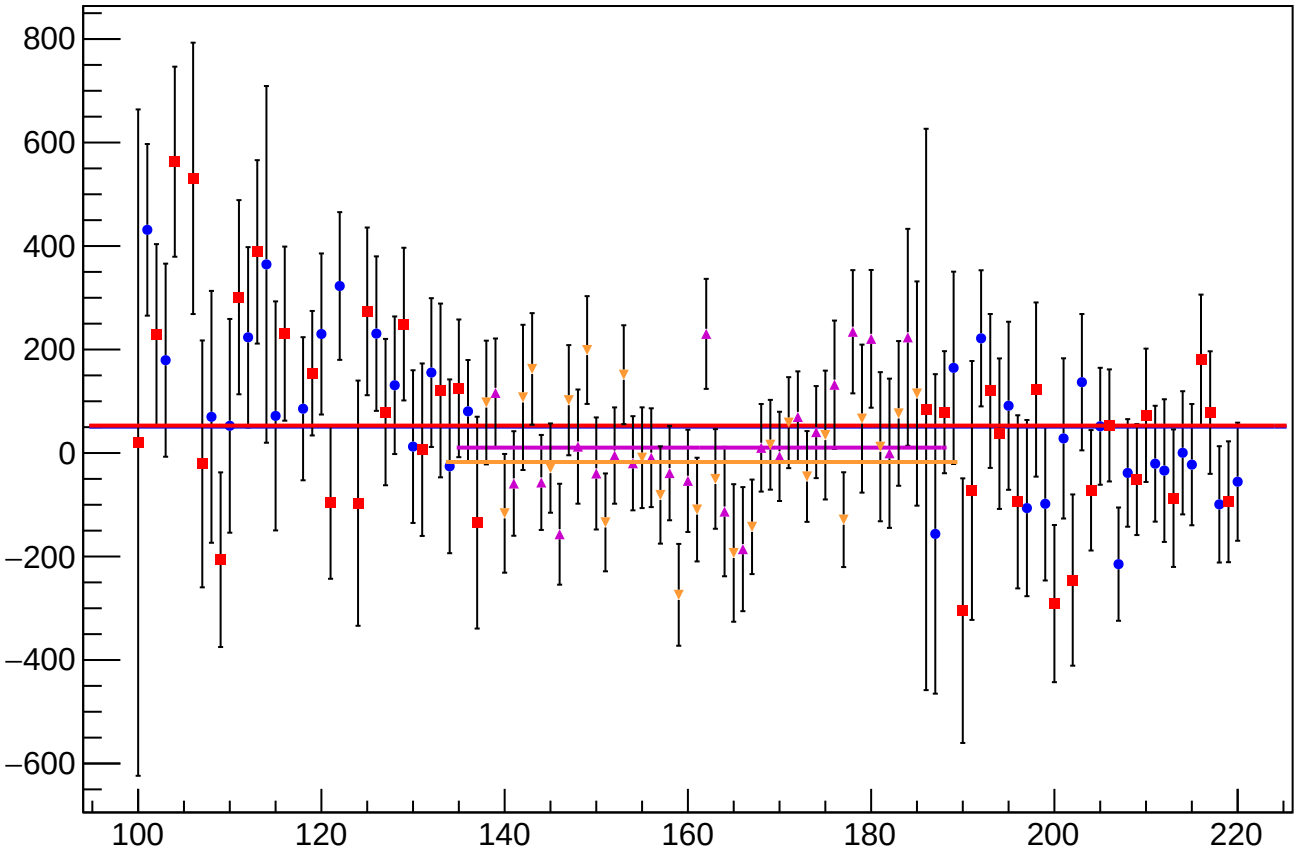
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1885.267+/-0.215 χ^2/NDF: 7795539.4/69

In: 1051.018+/-0.130 χ^2/NDF:13061349.8/55

Out: 1041.927+/-0.128 χ^2/NDF:14551938.6/61

All: 1046.384+/-0.091 χ^2/NDF: 27615777.7/1



Right In: 51.008+/-24.668 χ^2/NDF: 30.8/32

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 52.986+/-25.264 χ^2/NDF: 45.8/36

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

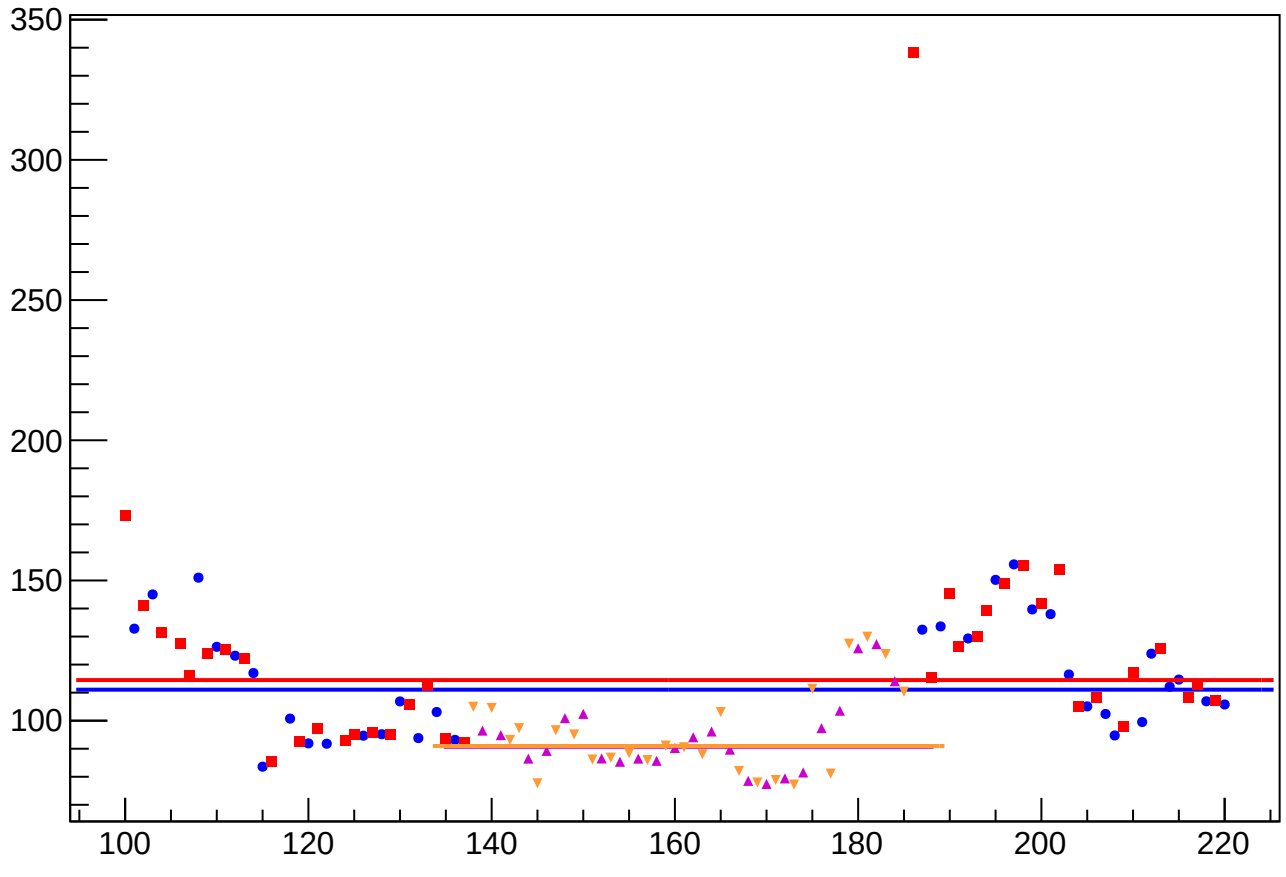
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 51.973+/-17.650 χ^2/NDF: 76.6/69

In: 27.941+/-16.209 χ^2/NDF:55.0/55

Out: 11.364+/-16.143 χ^2/NDF:81.6/61

All: 19.619+/-11.438 χ^2/NDF: 137.1/117



Right In: 111.061+/-0.017 χ^2/NDF: 1022552.4/32

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.482+/-0.018 χ^2/NDF: 1377595.8/36

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

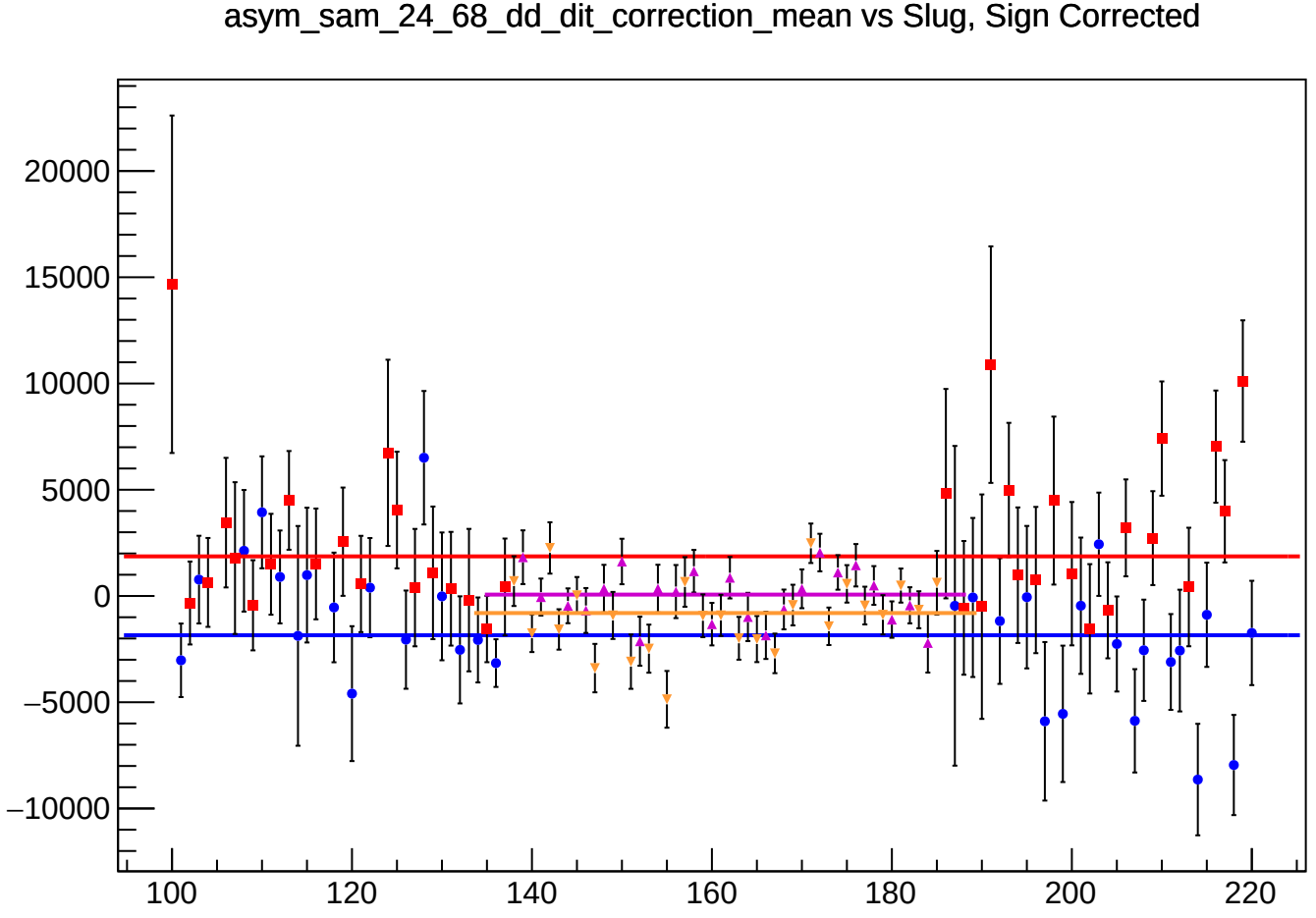
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 112.731+/-0.012 χ^2/NDF: 2418924.0/69

In: 99.486+/-0.011 χ^2/NDF:2343537.3/55

Out: 100.568+/-0.011 χ^2/NDF:3187349.6/61

All: 100.029+/-0.008 χ^2/NDF: 5535362.5/117



Right In: -1847.334+/-427.784 χ^2/NDF: 45.2/32

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1863.935+/-443.898 χ^2/NDF: 41.4/36

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

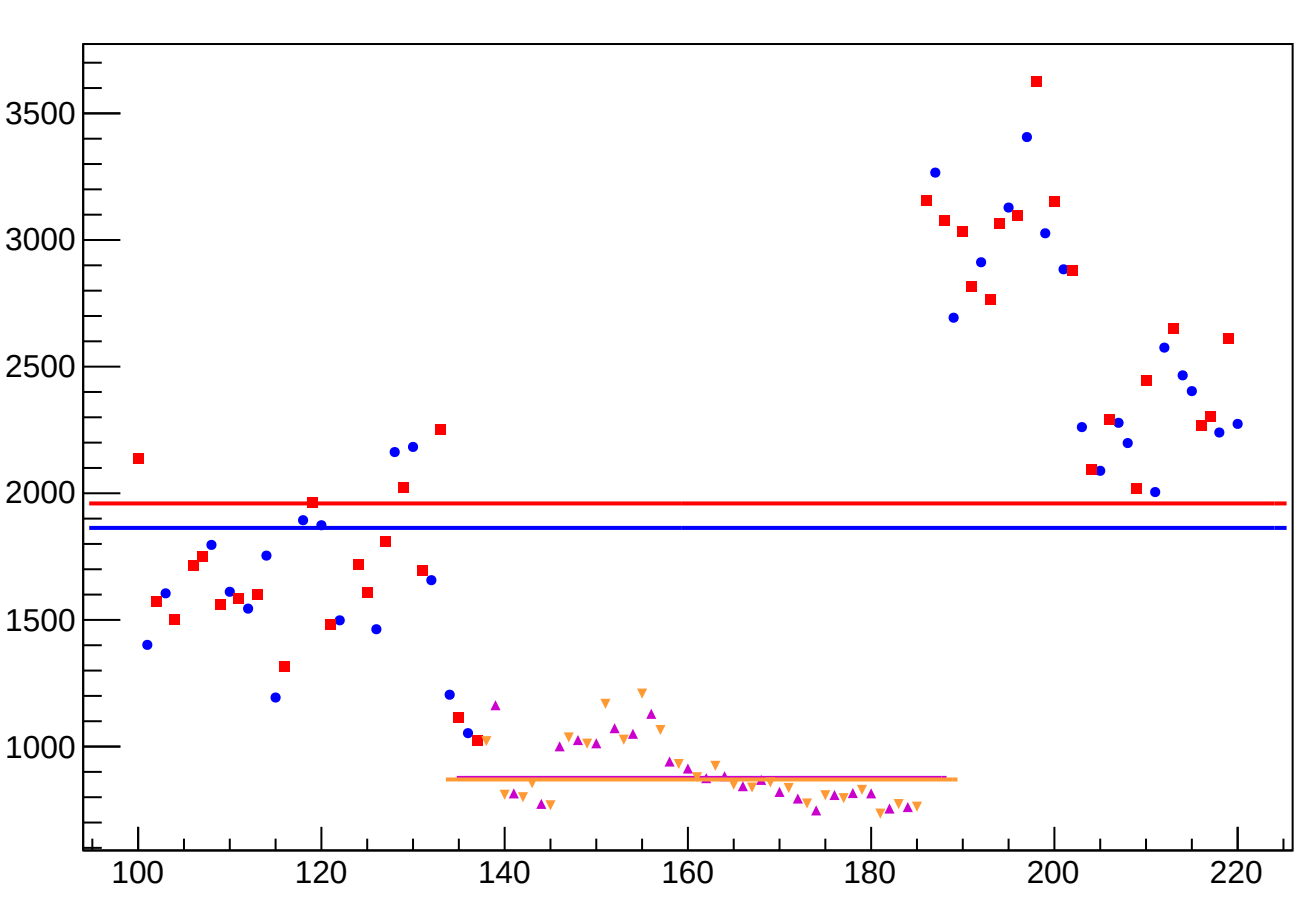
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -60.280+/-308.028 χ^2/NDF: 122.9/69

In: -296.723+/-186.096 χ^2/NDF:92.1/55

Out: -353.138+/-182.233 χ^2/NDF:129.8/61

All: -325.522+/-130.203 χ^2/NDF: 221.9/117



Right In: 1863.312+/-0.302 χ^2/NDF: 3874259.8/32

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1959.867+/-0.314 χ^2/NDF: 3861827.9/36

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

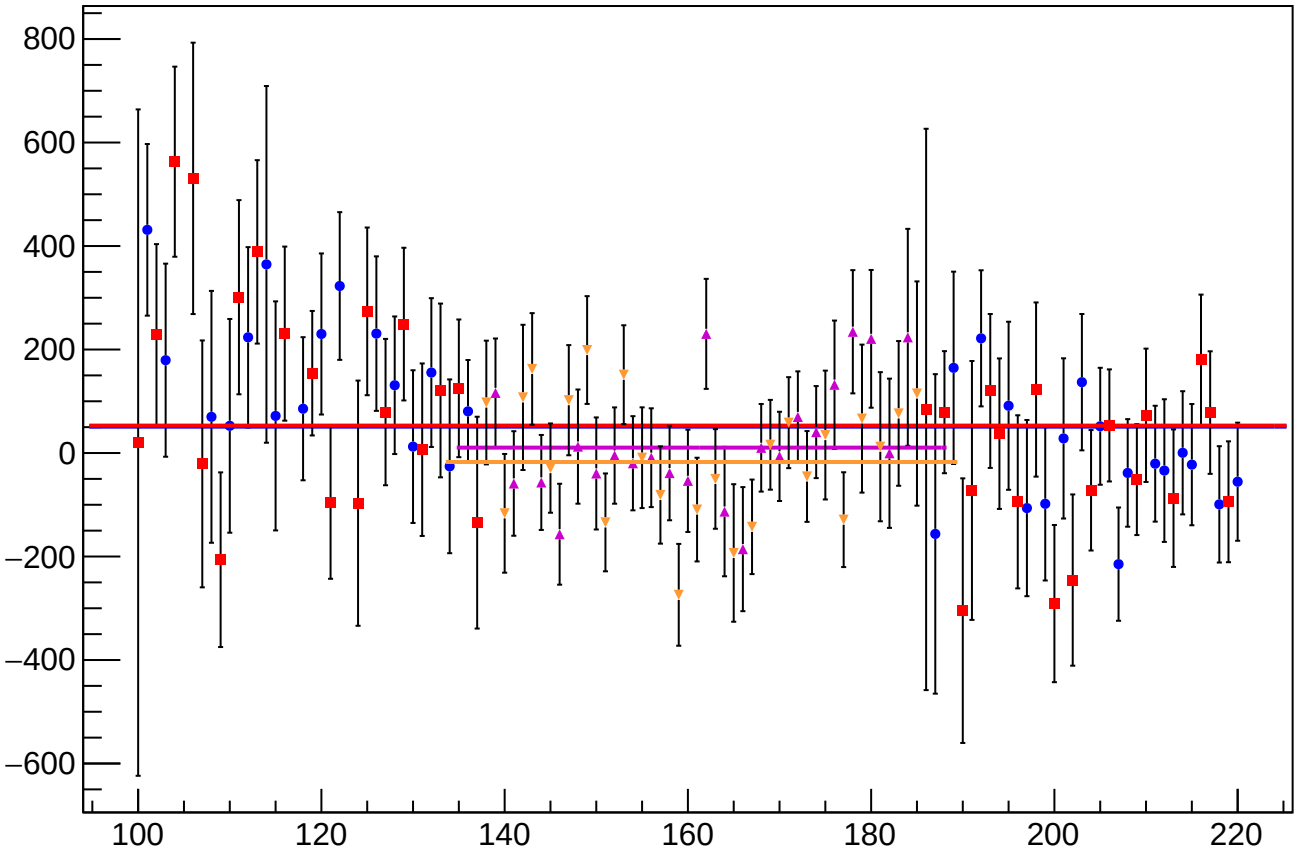
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1909.805+/-0.218 χ^2/NDF: 7785149.2/69

In: 1063.066+/-0.132 χ^2/NDF:13103998.0/55

Out: 1053.688+/-0.129 χ^2/NDF:14533267.7/61

All: 1058.279+/-0.092 χ^2/NDF: 27639858.1/1



Right In: 51.012+/-24.667 χ^2/NDF: 30.8/32

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 52.983+/-25.264 χ^2/NDF: 45.8/36

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

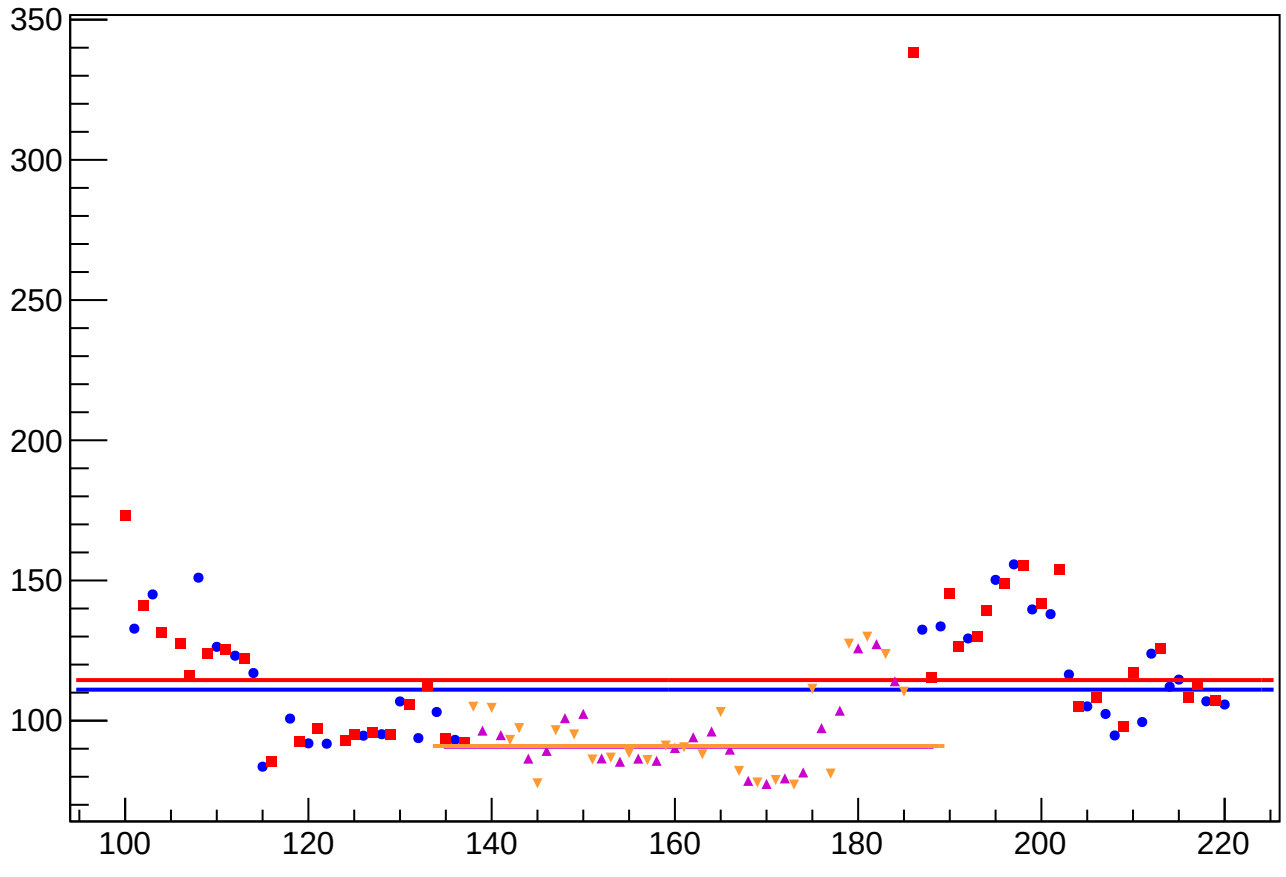
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 51.974+/-17.650 χ^2/NDF: 76.6/69

In: 27.942+/-16.209 χ^2/NDF:55.0/55

Out: 11.363+/-16.143 χ^2/NDF:81.6/61

All: 19.619+/-11.438 χ^2/NDF: 137.1/117



Right In: 111.060+/-0.017 χ^2/NDF: 1022567.5/32

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 114.482+/-0.018 χ^2/NDF: 1377614.9/36

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

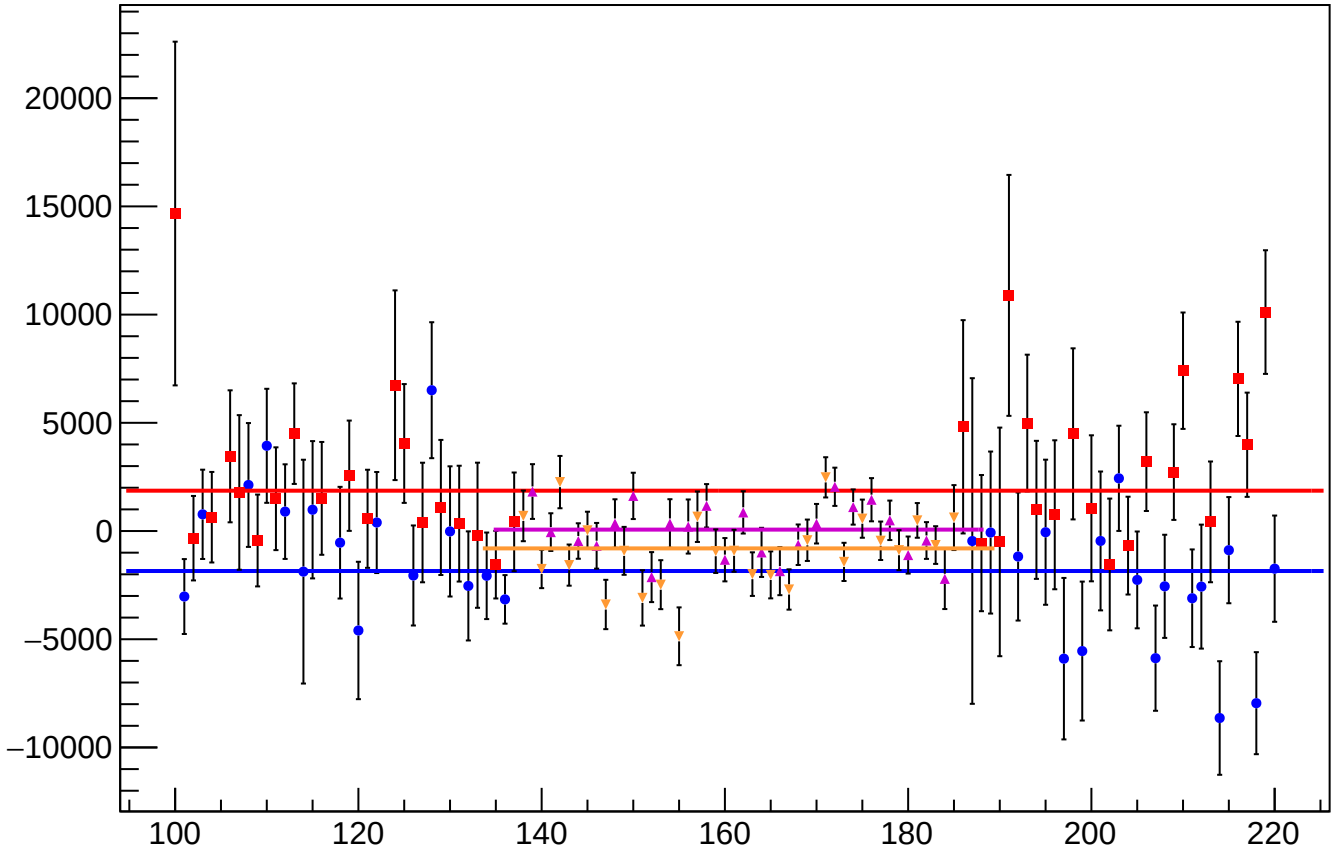
Right: 112.730+/-0.012 χ^2/NDF: 2418960.0/69

In: 99.486+/-0.011 χ^2/NDF:2343507.3/55

Out: 100.568+/-0.011 χ^2/NDF:3187333.7/61

All: 100.029+/-0.008 χ^2/NDF: 5535317.9/117

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1847.329+/-427.784 χ^2/NDF: 45.2/32

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1863.931+/-443.897 χ^2/NDF: 41.4/36

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

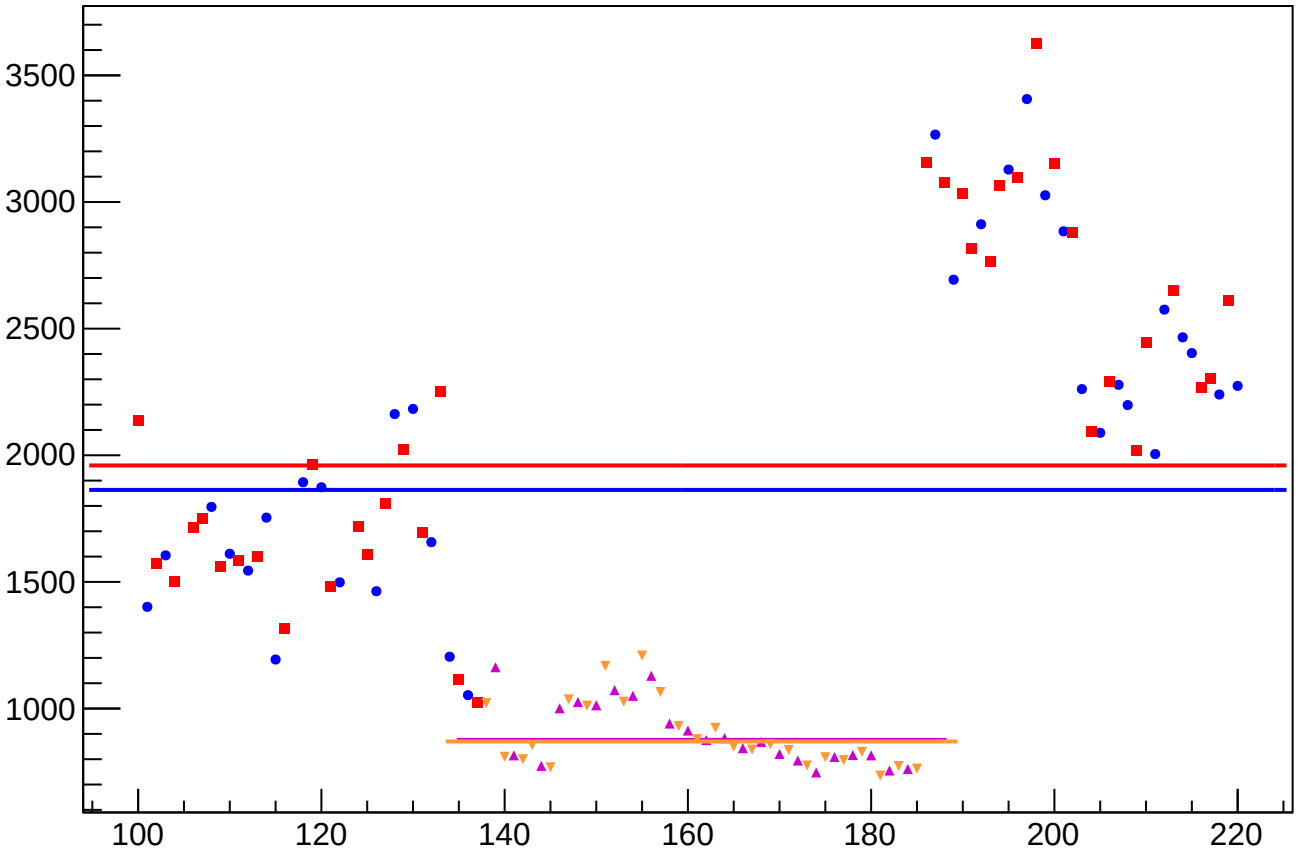
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -60.279+/-308.028 χ^2/NDF: 122.9/69

In: -296.723+/-186.096 χ^2/NDF:92.1/55

Out: -353.138+/-182.233 χ^2/NDF:129.8/61

All: -325.522+/-130.203 χ^2/NDF: 221.9/117



Right In: 1863.310+/-0.302 χ^2/NDF: 3874269.1/32

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1959.864+/-0.314 χ^2/NDF: 3861842.1/36

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

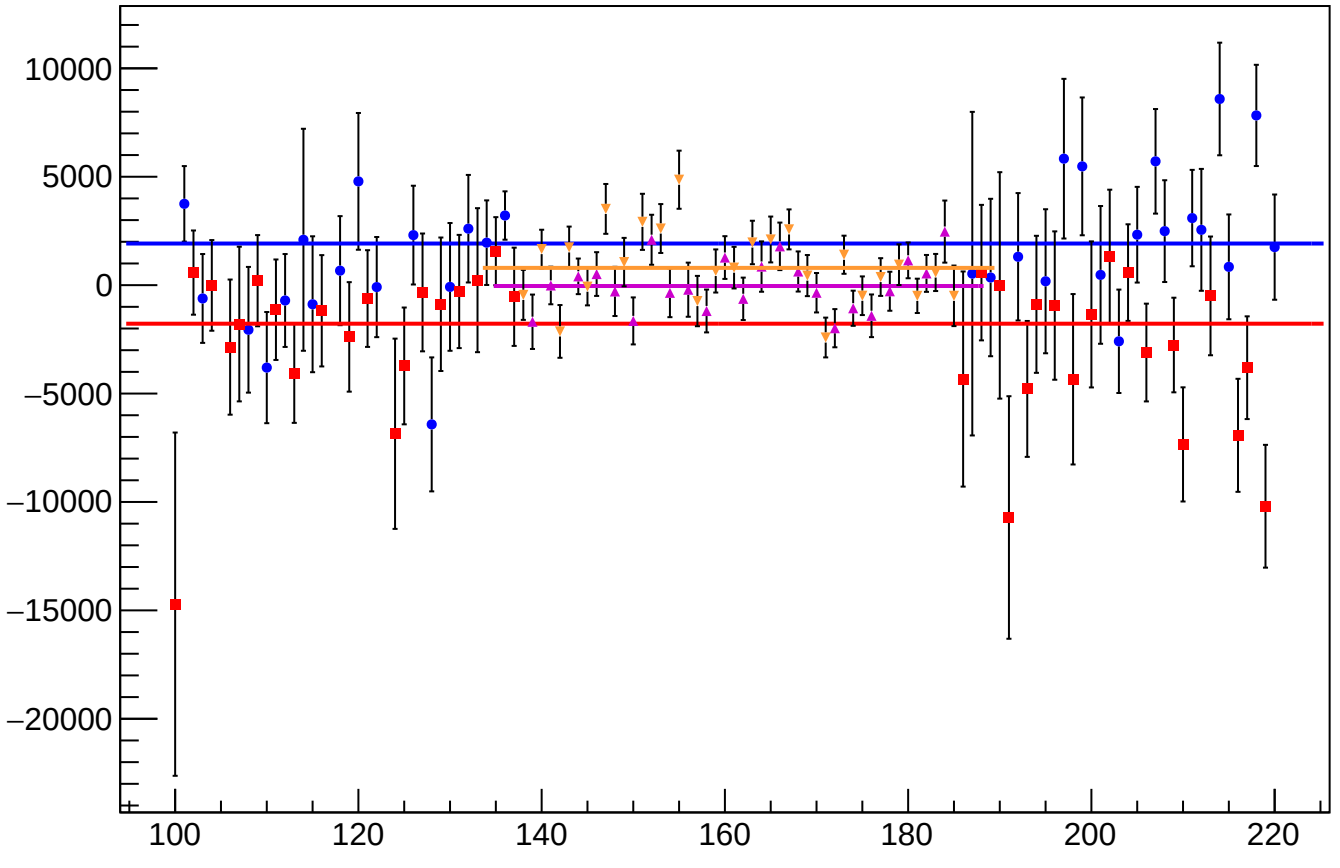
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1909.803+/-0.218 χ^2/NDF: 7785172.6/69

In: 1063.064+/-0.132 χ^2/NDF:13103997.3/55

Out: 1053.687+/-0.129 χ^2/NDF:14533268.6/61

All: 1058.278+/-0.092 χ^2/NDF: 27639858.2/



Right In: 1919.731+/-422.824 χ^2/NDF: 45.6/32

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1777.859+/-439.914 χ^2/NDF: 40.9/36

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

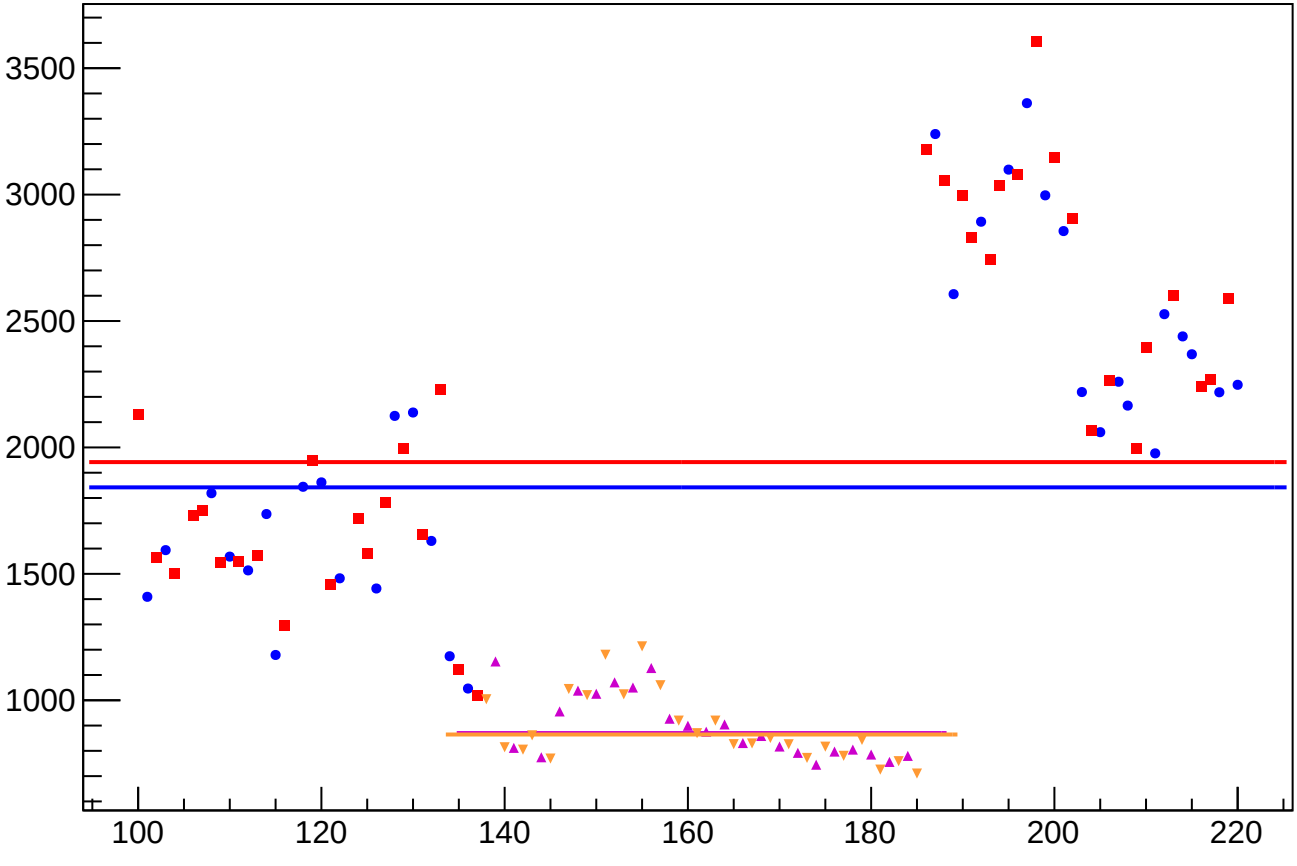
Right: 144.154+/-304.845 χ^2/NDF: 123.3/69

In: 334.223+/-184.717 χ^2/NDF:92.7/55

Out: 359.739+/-181.162 χ^2/NDF:126.6/61

All: 347.229+/-129.340 χ^2/NDF: 219.3/117

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1842.102+/-0.299 χ^2/NDF: 3838641.9/32

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1942.032+/-0.311 χ^2/NDF: 3854609.0/36

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

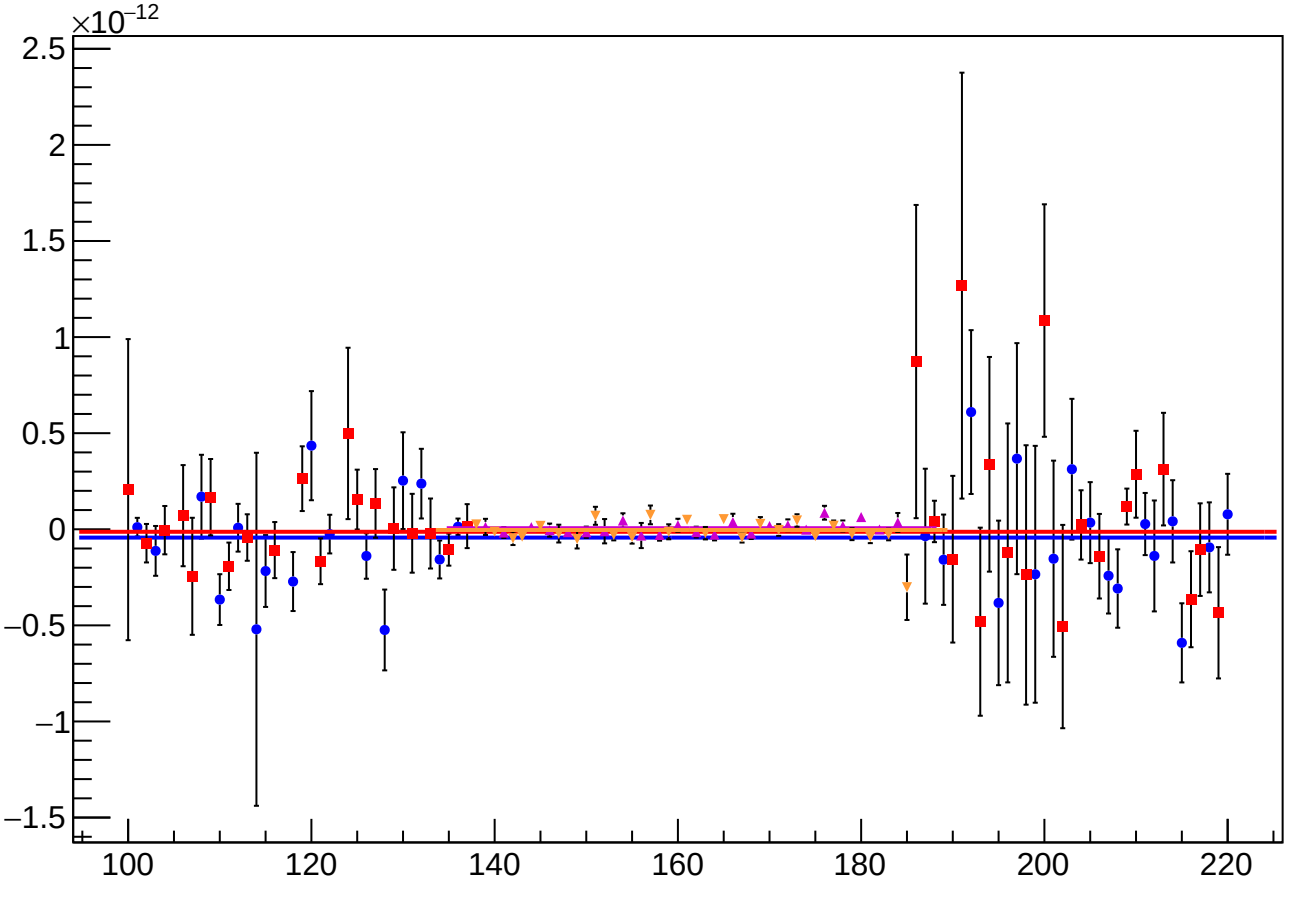
Right: 1890.088+/-0.216 χ^2/NDF: 7746895.8/69

In: 1055.807+/-0.131 χ^2/NDF:12990929.1/55

Out: 1047.351+/-0.128 χ^2/NDF:14505340.3/61

All: 1051.497+/-0.091 χ^2/NDF: 27498405.6/1

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

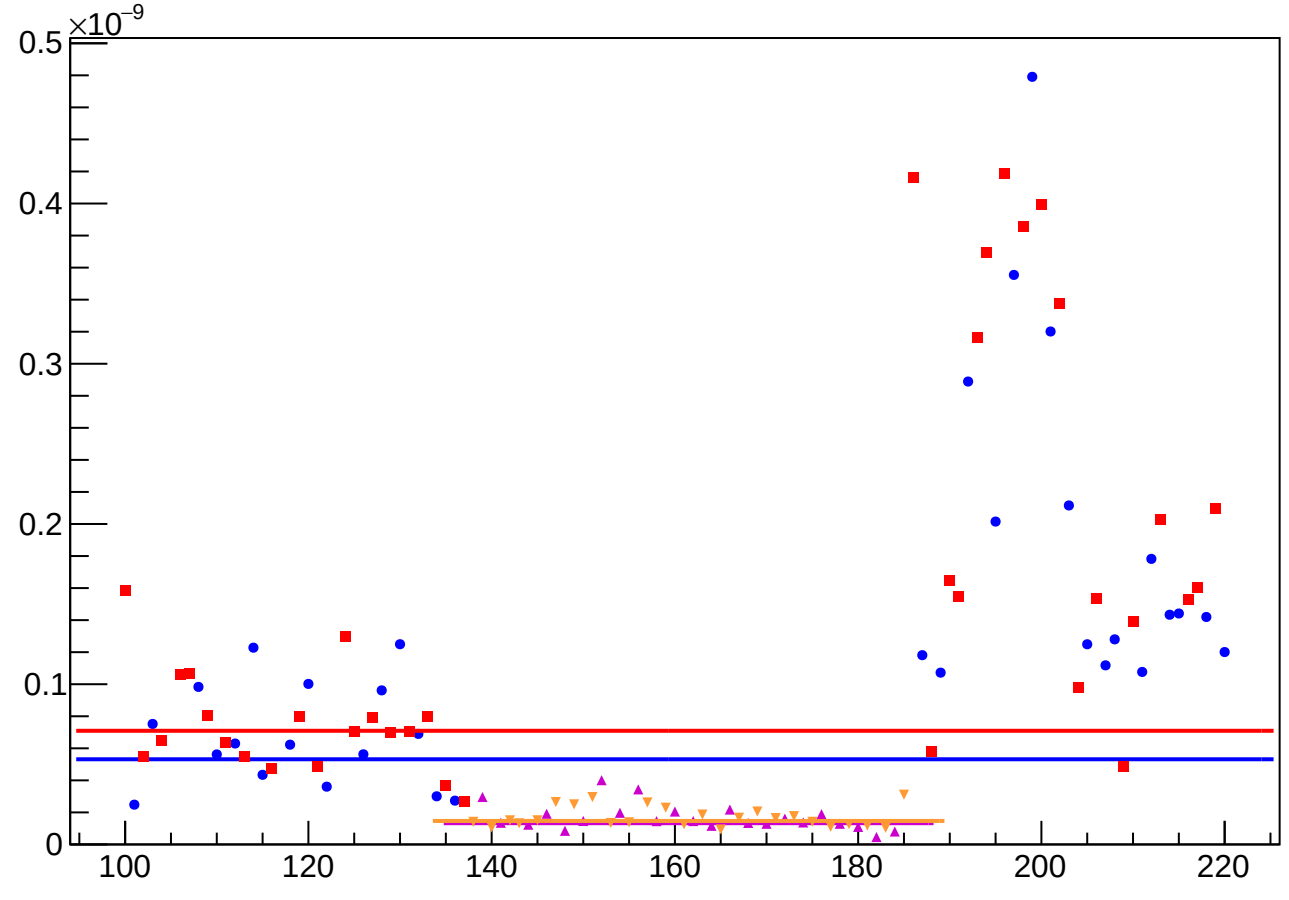
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 74.6/69

In: 0.000+/-0.000 χ^2/NDF:67.8/55

Out: -0.000+/-0.000 χ^2/NDF:69.7/61

All: -0.000+/-0.000 χ^2/NDF: 138.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 7851576.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6480825.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

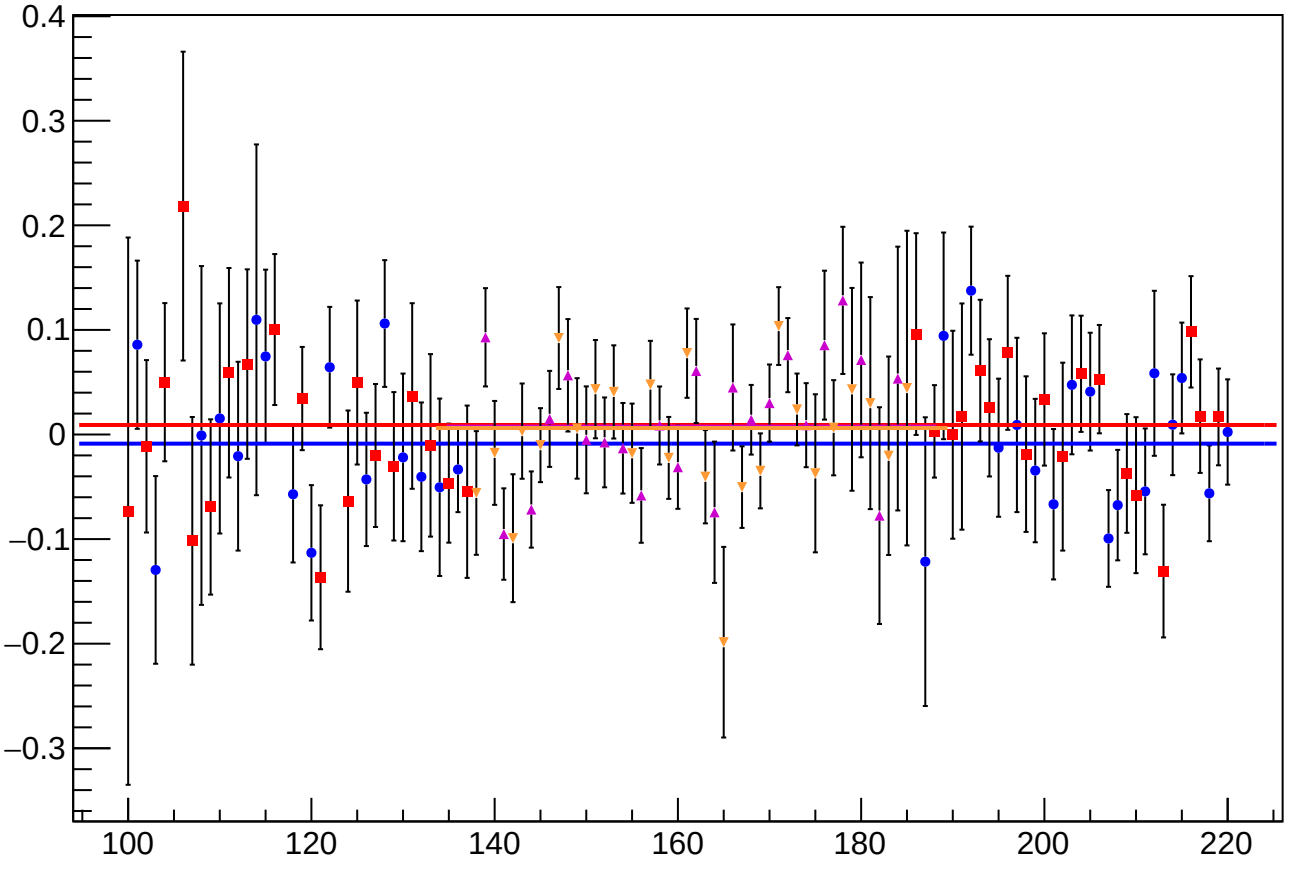
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14798945.7/69

In: 0.000+/-0.000 χ^2/NDF:15362421.3/55

Out: 0.000+/-0.000 χ^2/NDF:14994066.3/61

All: 0.000+/-0.000 χ^2/NDF: 30404087.4/117



Right In: -0.009+/-0.011 χ^2/NDF: 33.1/32

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

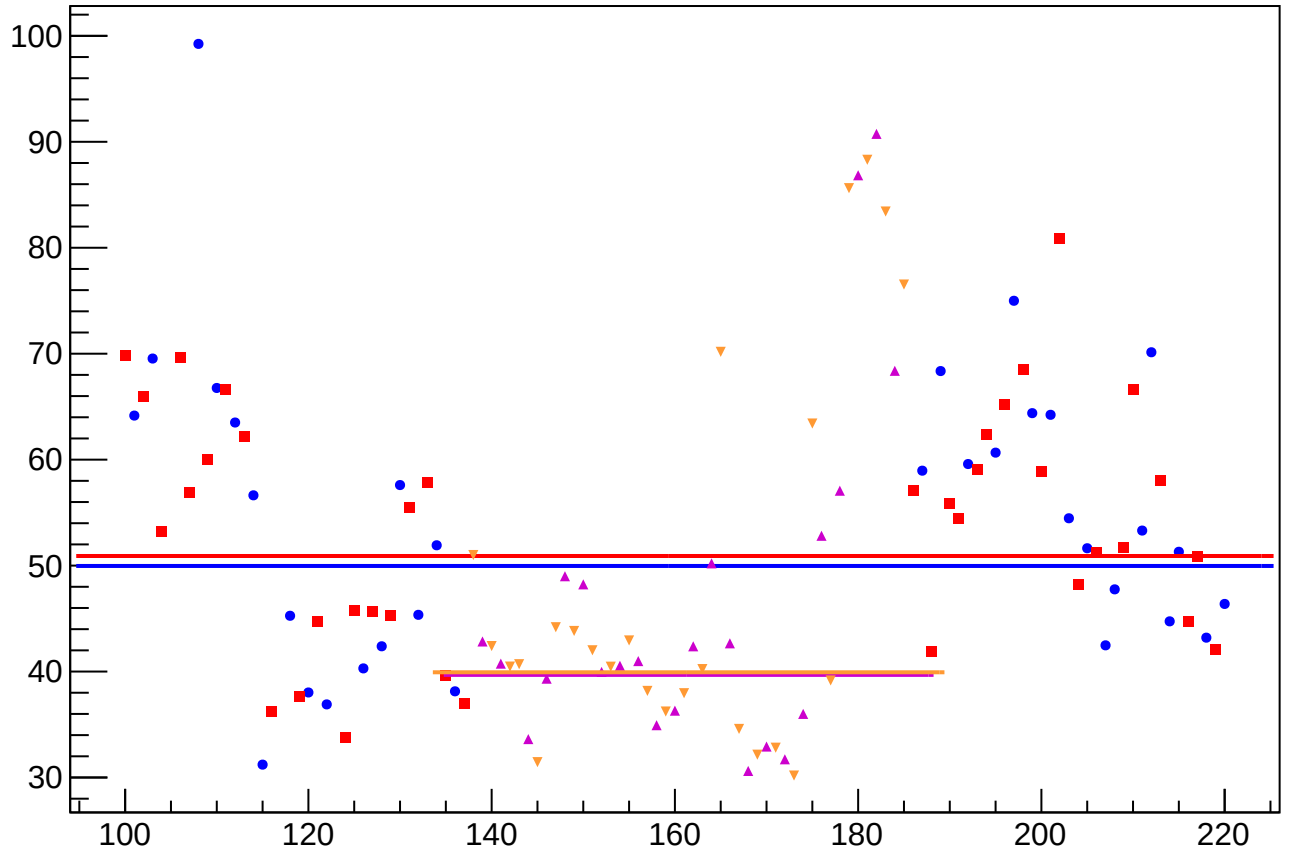
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.000+/-0.008 χ^2/NDF: 62.1/69

In: 0.001+/-0.007 χ^2/NDF:64.7/55

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.004+/-0.005 χ^2/NDF: 123.8/117



Right In: 49.966+/-0.008 χ^2/NDF: 1803423.3/32

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

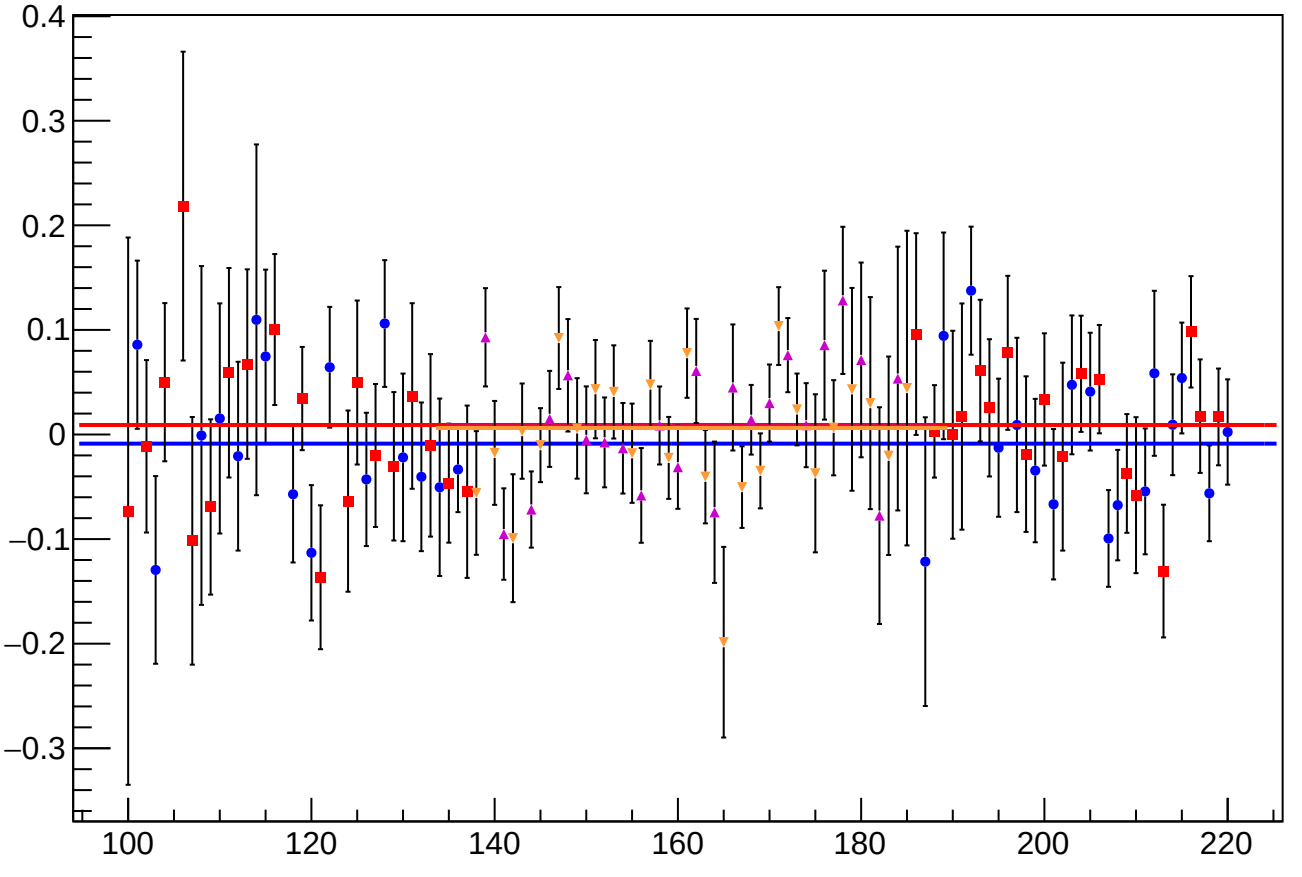
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.433+/-0.006 χ^2/NDF: 3385880.0/69

In: 44.060+/-0.005 χ^2/NDF:4660678.7/55

Out: 44.452+/-0.005 χ^2/NDF:5134574.4/61

All: 44.258+/-0.004 χ^2/NDF: 9798066.9/117



Right In: -0.009+/-0.011 χ^2/NDF: 33.1/32

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

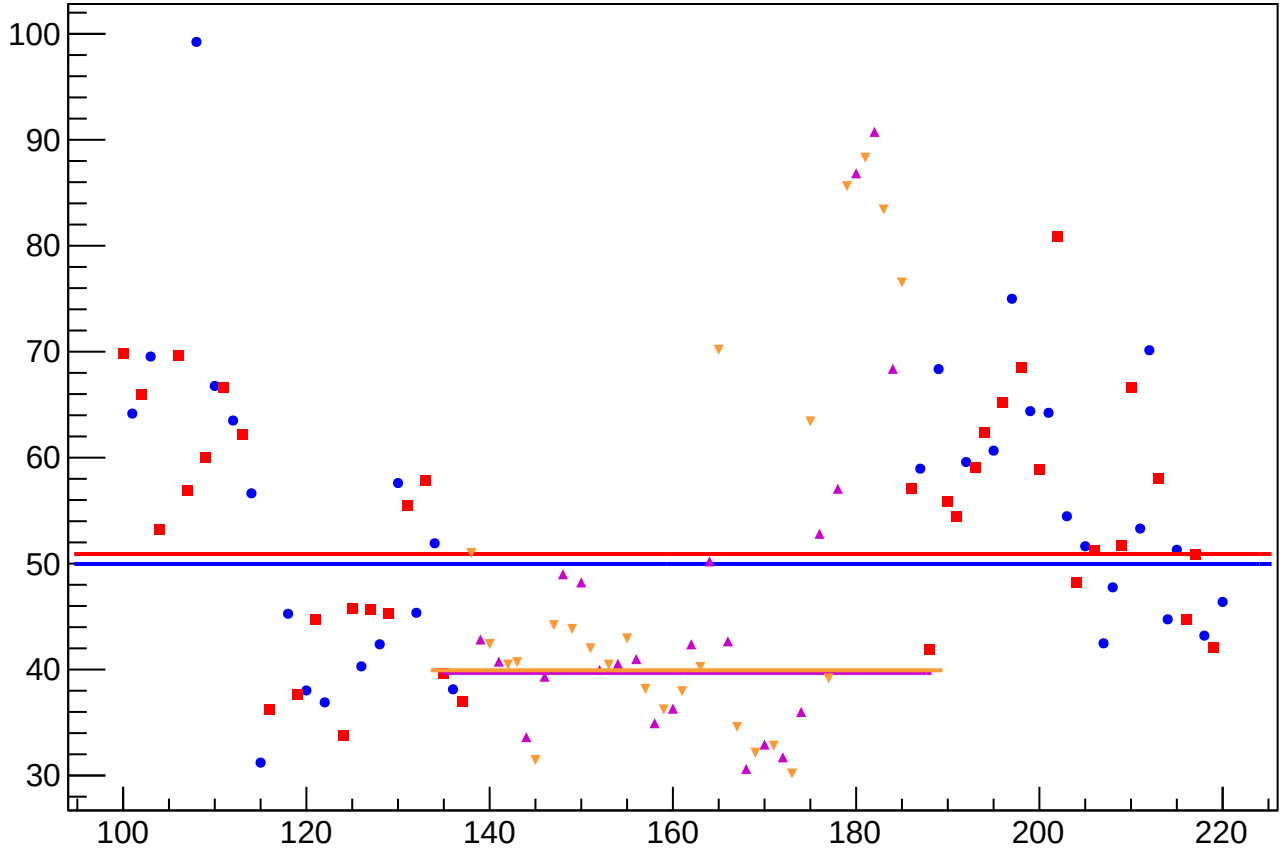
Right: 0.000+/-0.008 χ^2/NDF: 62.1/69

In: 0.001+/-0.007 χ^2/NDF:64.7/55

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.004+/-0.005 χ^2/NDF: 123.8/117

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.966+/-0.008 χ^2/NDF: 1803423.3/32

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

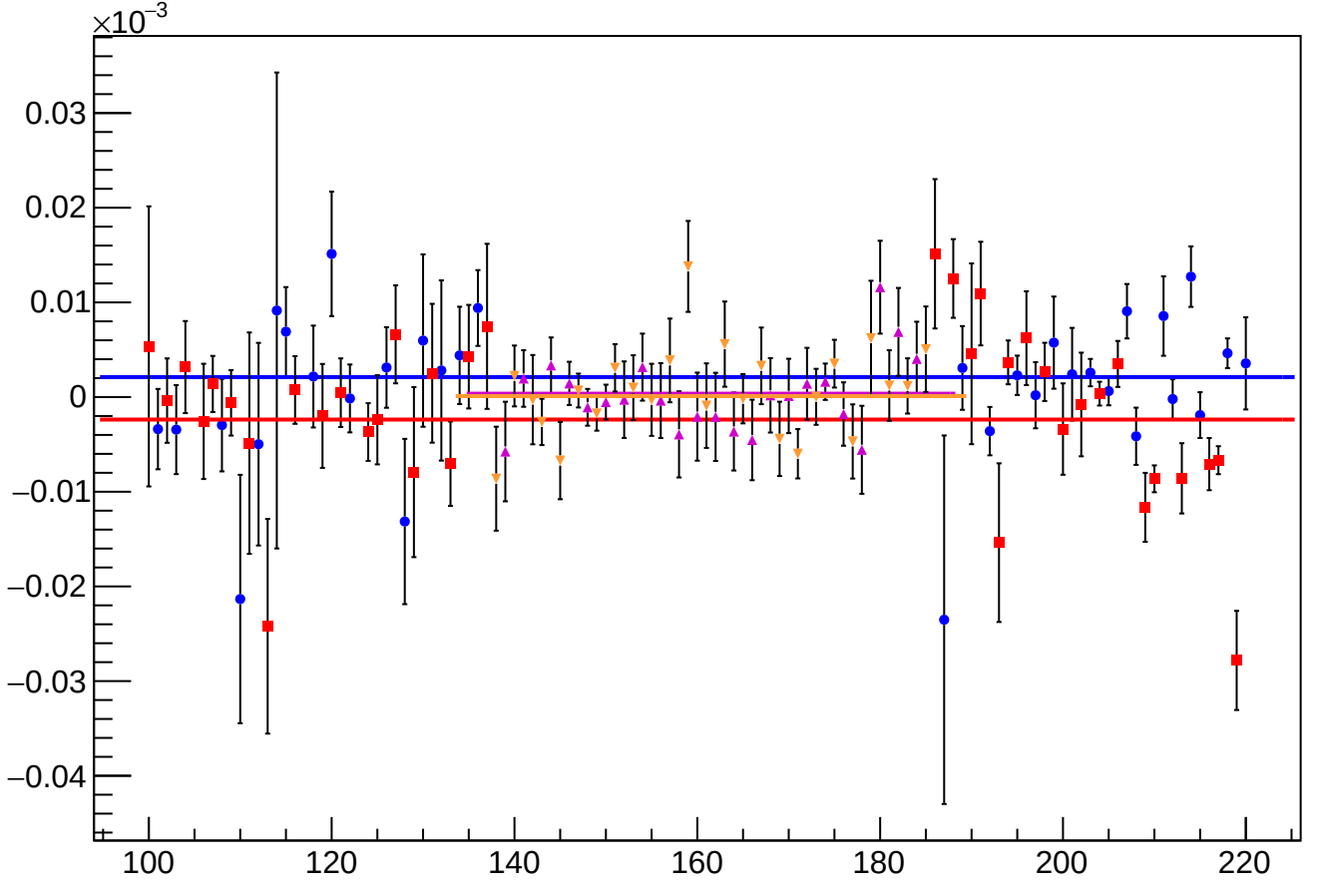
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.433+/-0.006 χ^2/NDF: 3385880.0/69

In: 44.060+/-0.005 χ^2/NDF:4660678.7/55

Out: 44.452+/-0.005 χ^2/NDF:5134574.4/61

All: 44.258+/-0.004 χ^2/NDF: 9798066.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 58.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 130.2/36

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

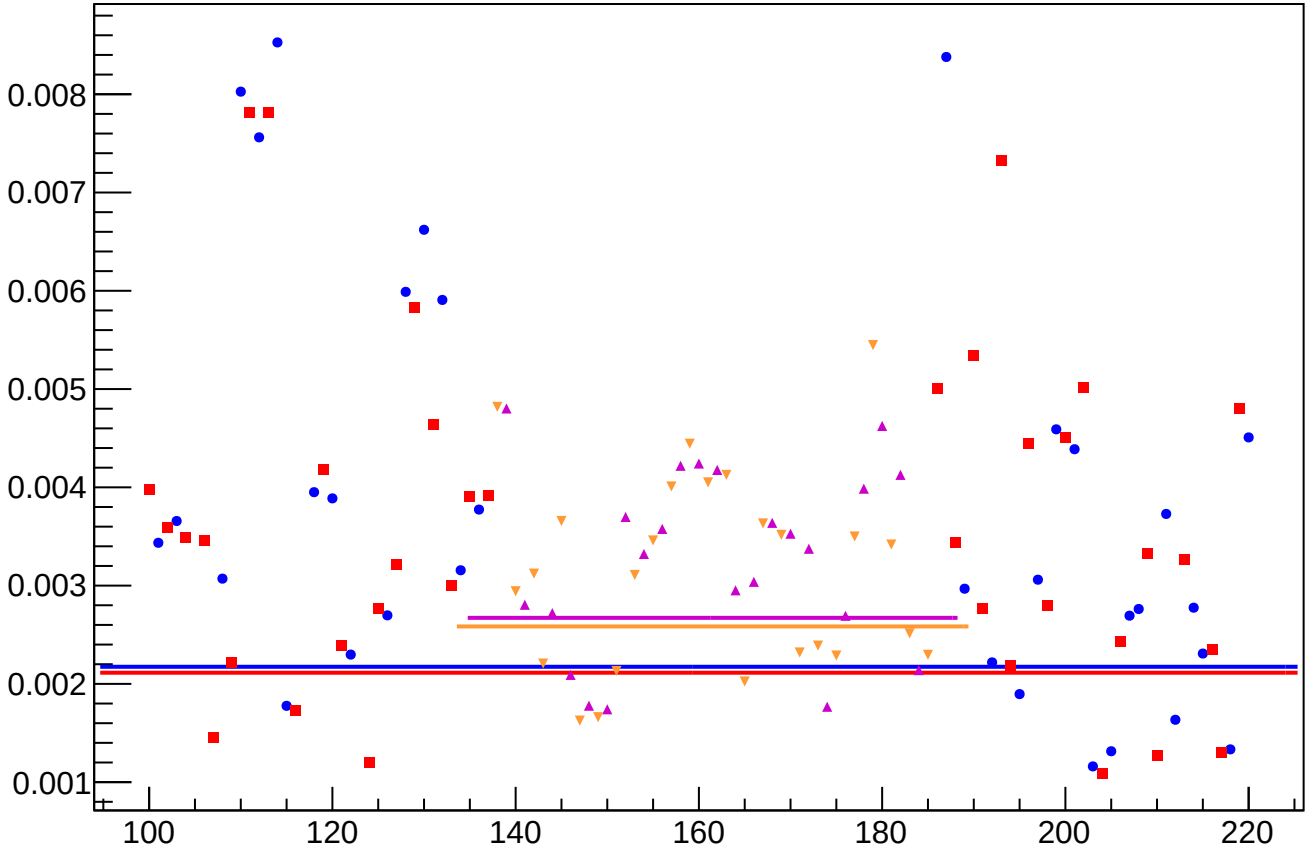
Right: -0.000+/-0.000 χ^2/NDF: 223.0/69

In: 0.000+/-0.000 χ^2/NDF:81.7/55

Out: -0.000+/-0.000 χ^2/NDF:172.4/61

All: -0.000+/-0.000 χ^2/NDF: 275.5/117

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8069392.8/32

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9929386.7/36

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

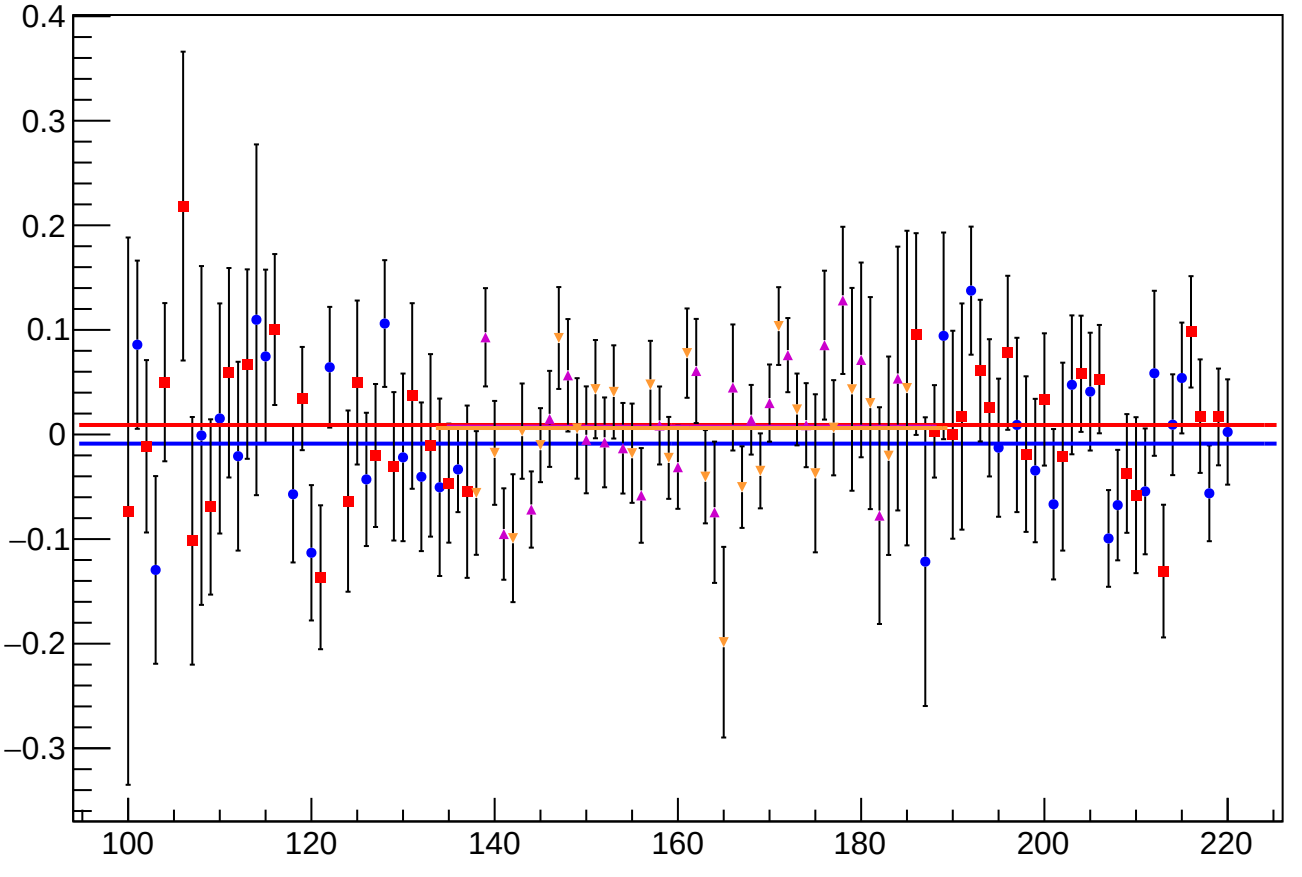
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.002+/-0.000 χ^2/NDF: 18011075.5/69

In: 0.002+/-0.000 χ^2/NDF:12554215.3/55

Out: 0.002+/-0.000 χ^2/NDF:14471774.5/61

All: 0.002+/-0.000 χ^2/NDF: 27047997.2/117



Right In: -0.009+/-0.011 χ^2/NDF: 33.1/32

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

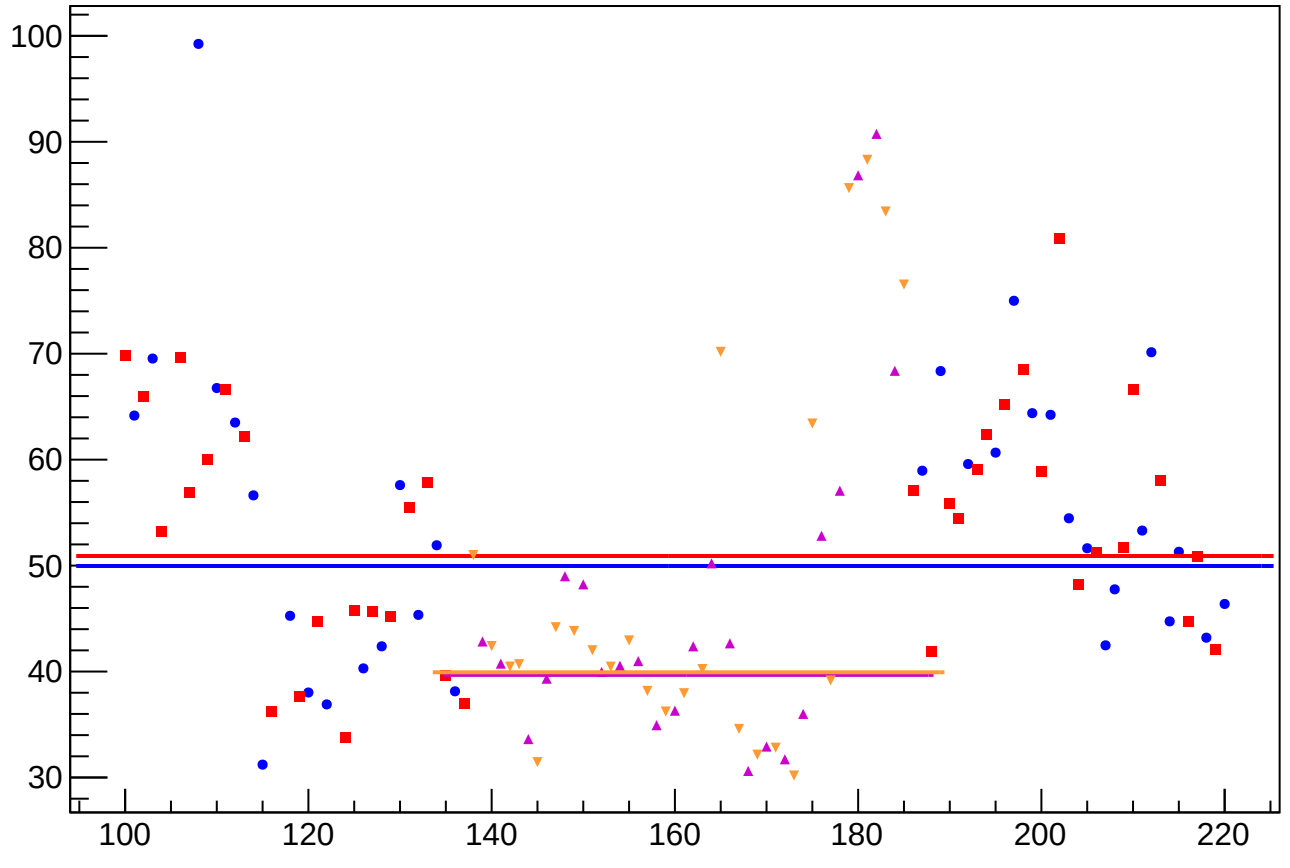
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.000+/-0.008 χ^2/NDF: 62.1/69

In: 0.001+/-0.007 χ^2/NDF:64.7/55

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.004+/-0.005 χ^2/NDF: 123.8/117



Right In: 49.965+/-0.008 χ^2/NDF: 1803510.4/32

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

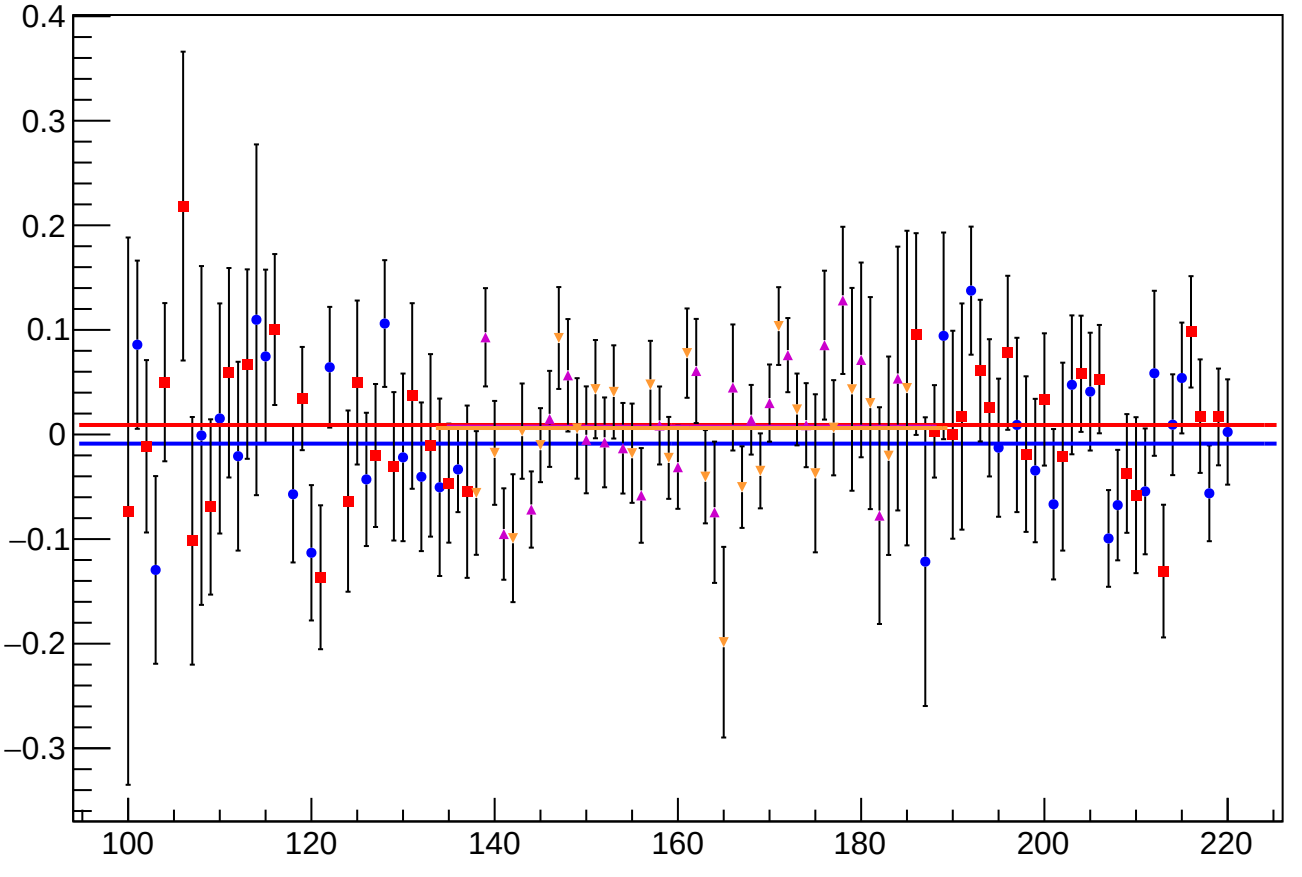
Right: 50.432+/-0.006 χ^2/NDF: 3386040.9/69

In: 44.060+/-0.005 χ^2/NDF:4660644.0/55

Out: 44.451+/-0.005 χ^2/NDF:5134531.2/61

All: 44.257+/-0.004 χ^2/NDF: 9797994.0/117

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.011 χ^2/NDF: 33.1/32

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

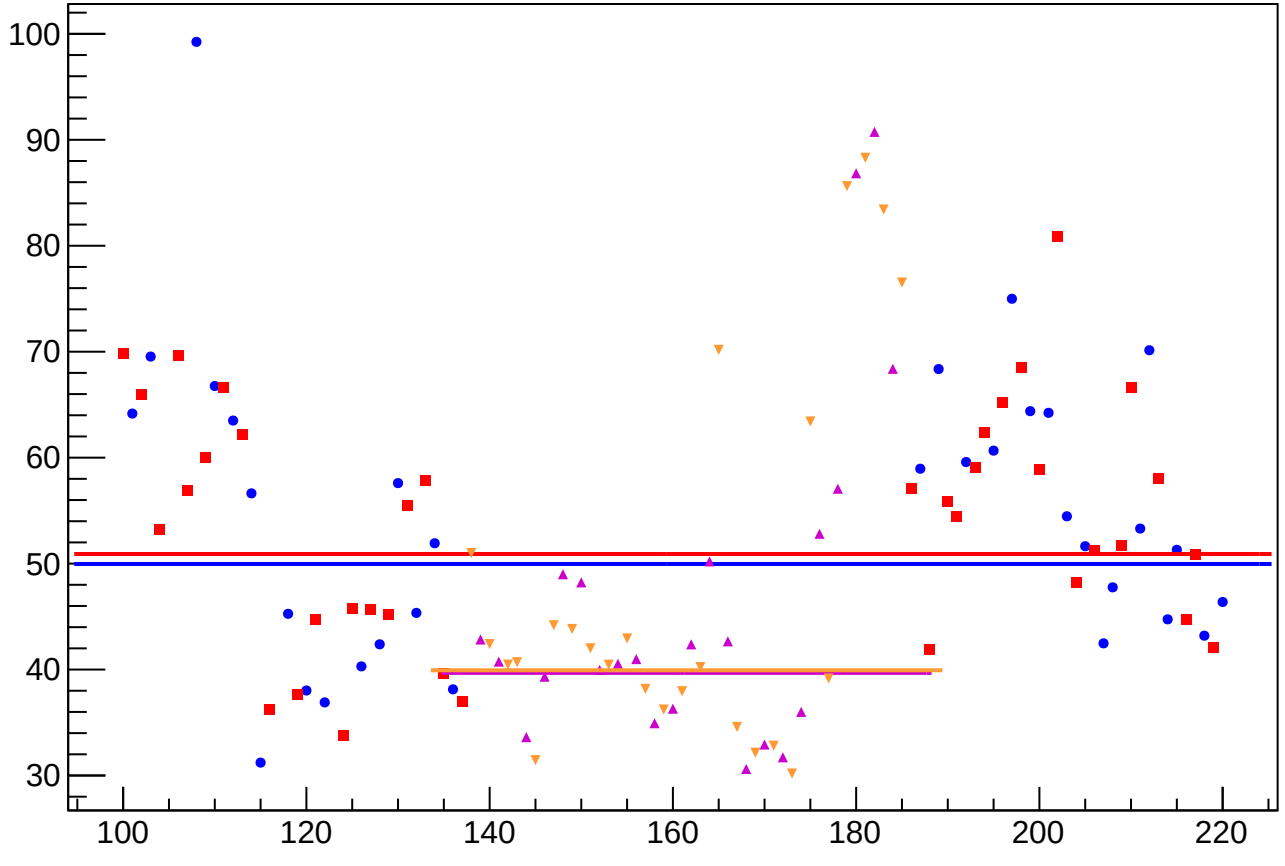
Right: 0.000+/-0.008 χ^2/NDF: 62.1/69

In: 0.001+/-0.007 χ^2/NDF:64.7/55

Out: 0.007+/-0.007 χ^2/NDF:58.7/61

All: 0.004+/-0.005 χ^2/NDF: 123.8/117

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.965+/-0.008 χ^2/NDF: 1803510.4/32

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

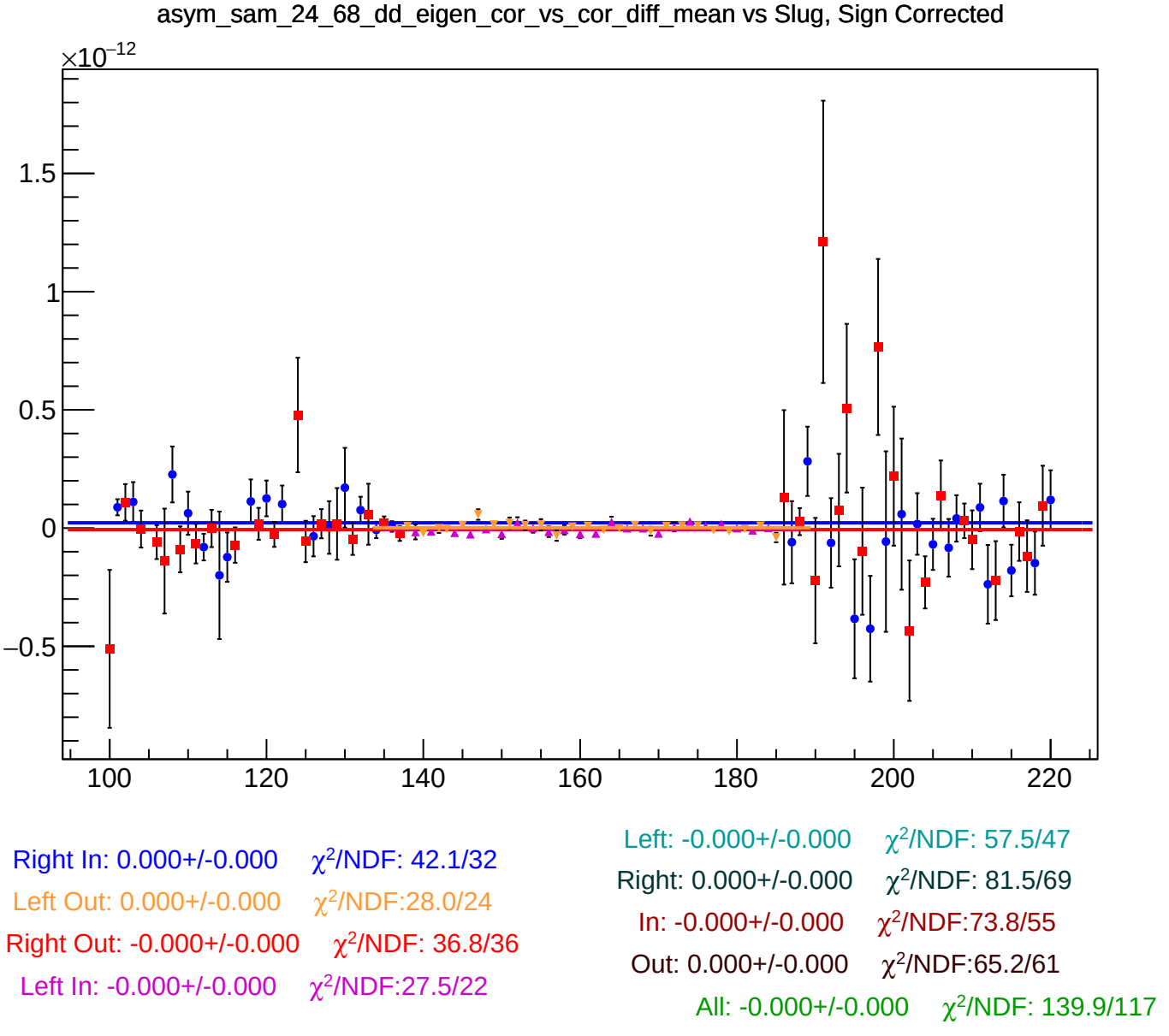
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

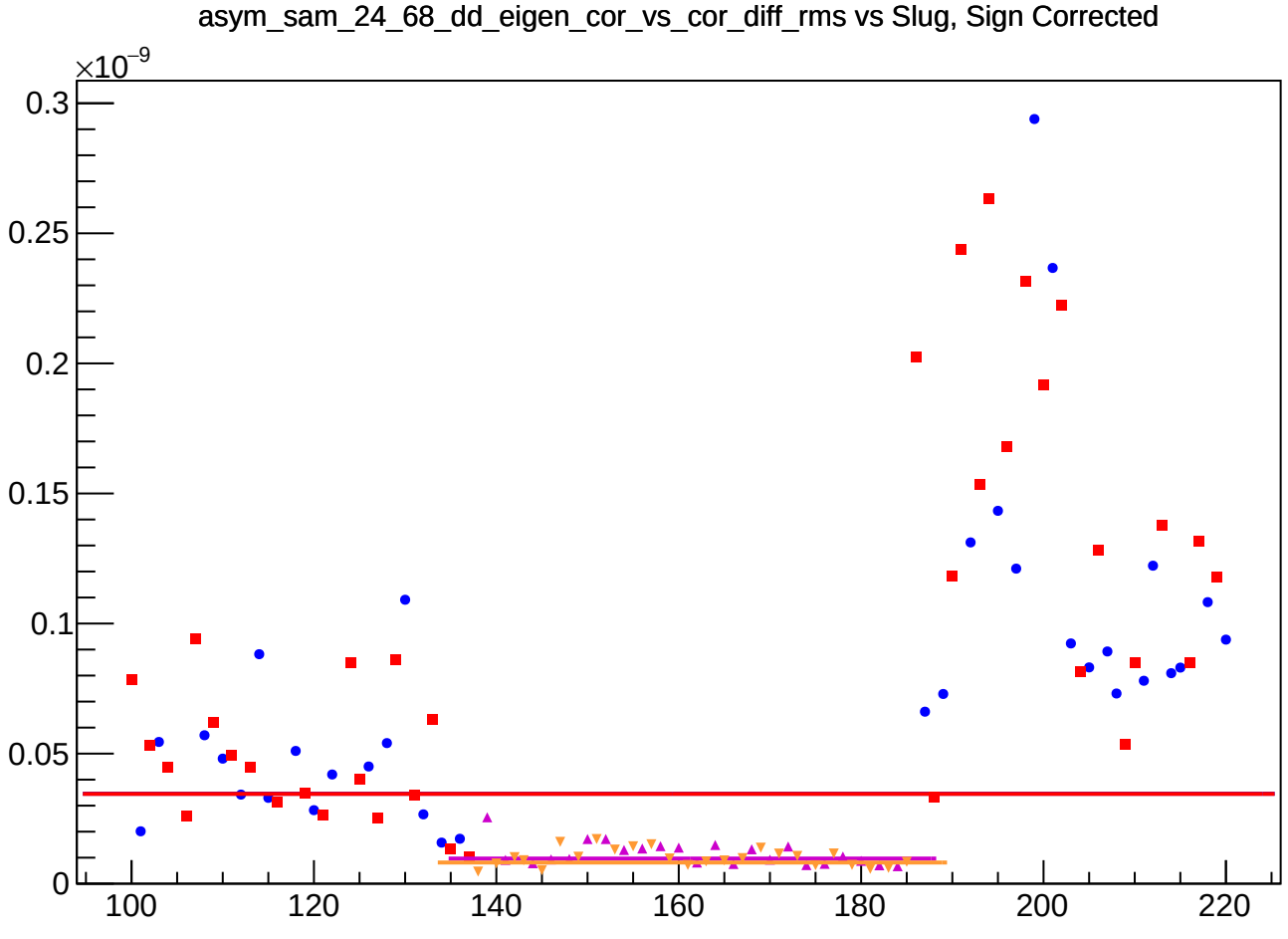
Right: 50.432+/-0.006 χ^2/NDF: 3386040.9/69

In: 44.060+/-0.005 χ^2/NDF:4660644.0/55

Out: 44.451+/-0.005 χ^2/NDF:5134531.2/61

All: 44.257+/-0.004 χ^2/NDF: 9797994.0/117


asym_sam_24_68_dd_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
200
220
Right In: 0.000+/-0.000 χ²/NDF: 42.1/32
Left Out: 0.000+/-0.000 χ²/NDF:28.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.8/36
Left In: -0.000+/-0.000 χ²/NDF:27.5/22
Left: -0.000+/-0.000 χ²/NDF: 57.5/47
Right: 0.000+/-0.000 χ²/NDF: 81.5/69
In: -0.000+/-0.000 χ²/NDF:73.8/55
Out: 0.000+/-0.000 χ²/NDF:65.2/61
All: -0.000+/-0.000 χ²/NDF: 139.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 10421490.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12193763.7/36

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

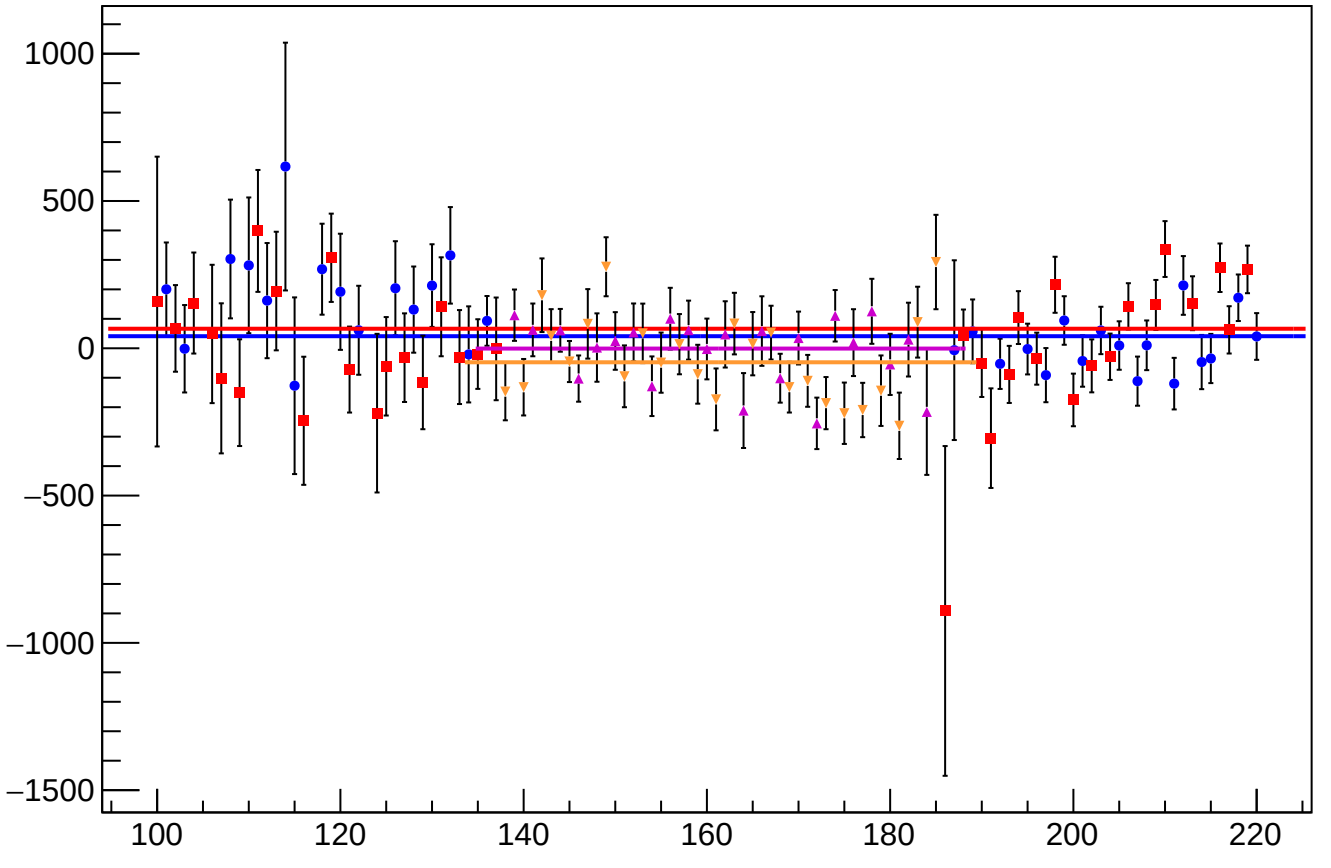
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 22615279.9/69

In: 0.000+/-0.000 χ^2/NDF:19990258.2/55

Out: 0.000+/-0.000 χ^2/NDF:22340971.6/61

All: 0.000+/-0.000 χ^2/NDF: 42820715.0/117



Right In: 41.016+/-18.902 χ^2/NDF: 34.9/32

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 66.373+/-19.145 χ^2/NDF: 65.0/36

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

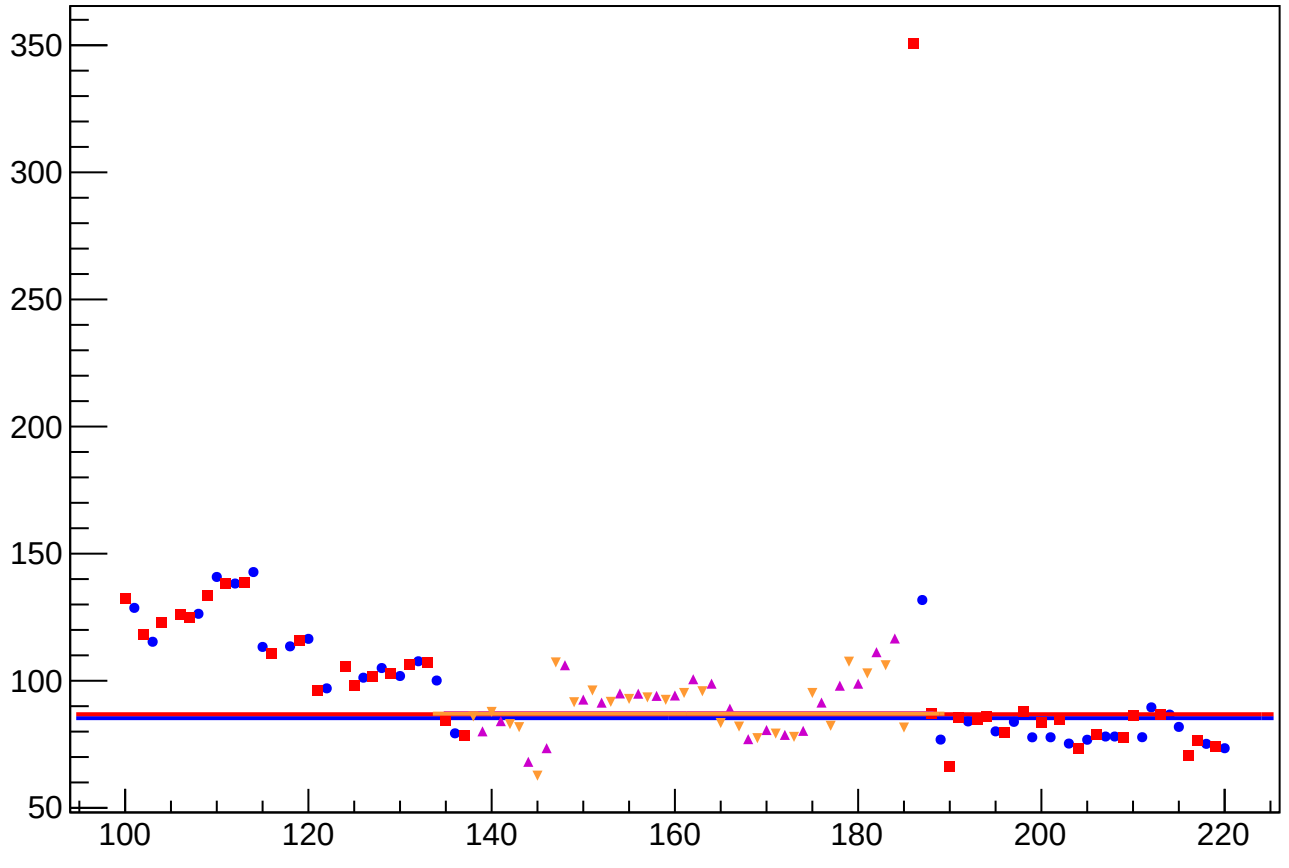
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 53.532+/-13.451 χ^2/NDF: 100.8/69

In: 21.821+/-13.929 χ^2/NDF:62.6/55

Out: 11.862+/-13.824 χ^2/NDF:125.9/61

All: 16.804+/-9.812 χ^2/NDF: 188.8/117



Right In: 85.293+/-0.013 χ^2/NDF: 1188614.6/32

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 86.836+/-0.014 χ^2/NDF: 1709950.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

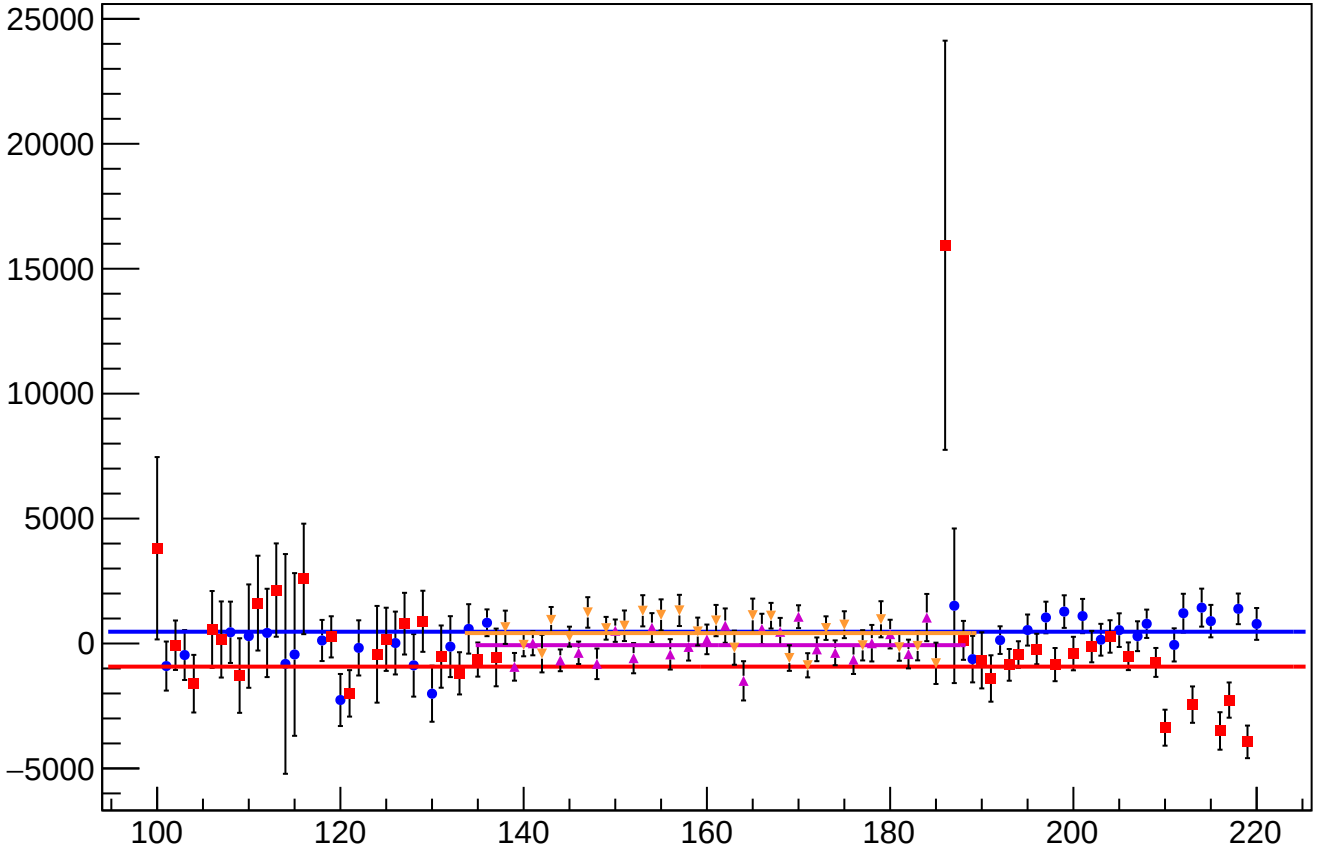
Right: 86.055+/-0.010 χ^2/NDF: 2905145.1/69

In: 86.190+/-0.010 χ^2/NDF:1794271.3/55

Out: 86.949+/-0.010 χ^2/NDF:2330721.7/61

All: 86.573+/-0.007 χ^2/NDF: 4127981.2/117

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 471.380+/-139.107 χ^2/NDF: 29.0/32

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -925.851+/-139.154 χ^2/NDF: 87.6/36

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

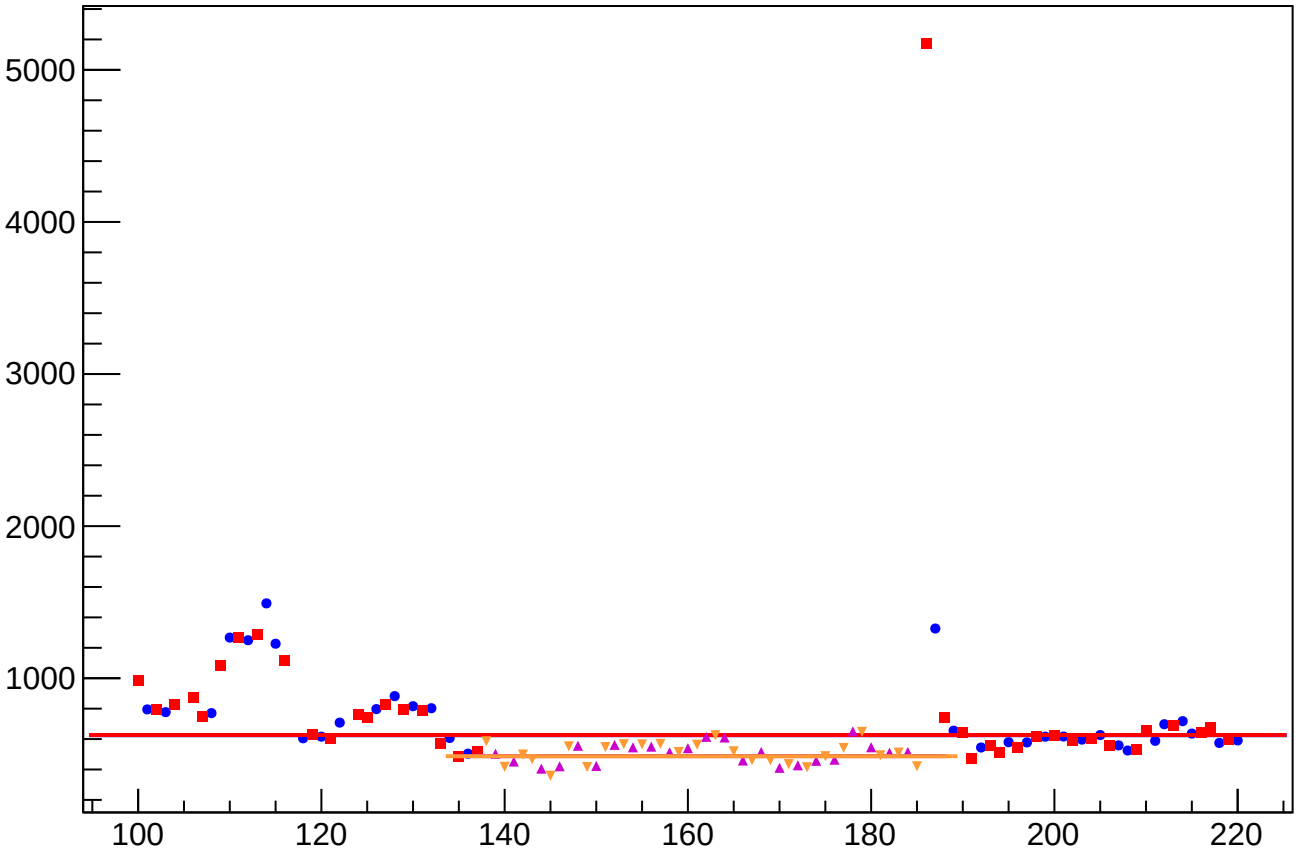
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -226.997+/-98.380 χ^2/NDF: 167.1/69

In: 152.707+/-88.825 χ^2/NDF:65.4/55

Out: -113.185+/-87.409 χ^2/NDF:176.4/61

All: 17.624+/-62.302 χ^2/NDF: 246.4/117



Right In: 625.470+/-0.098 χ^2/NDF: 1394450.1/32

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 626.599+/-0.098 χ^2/NDF: 2237492.4/36

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

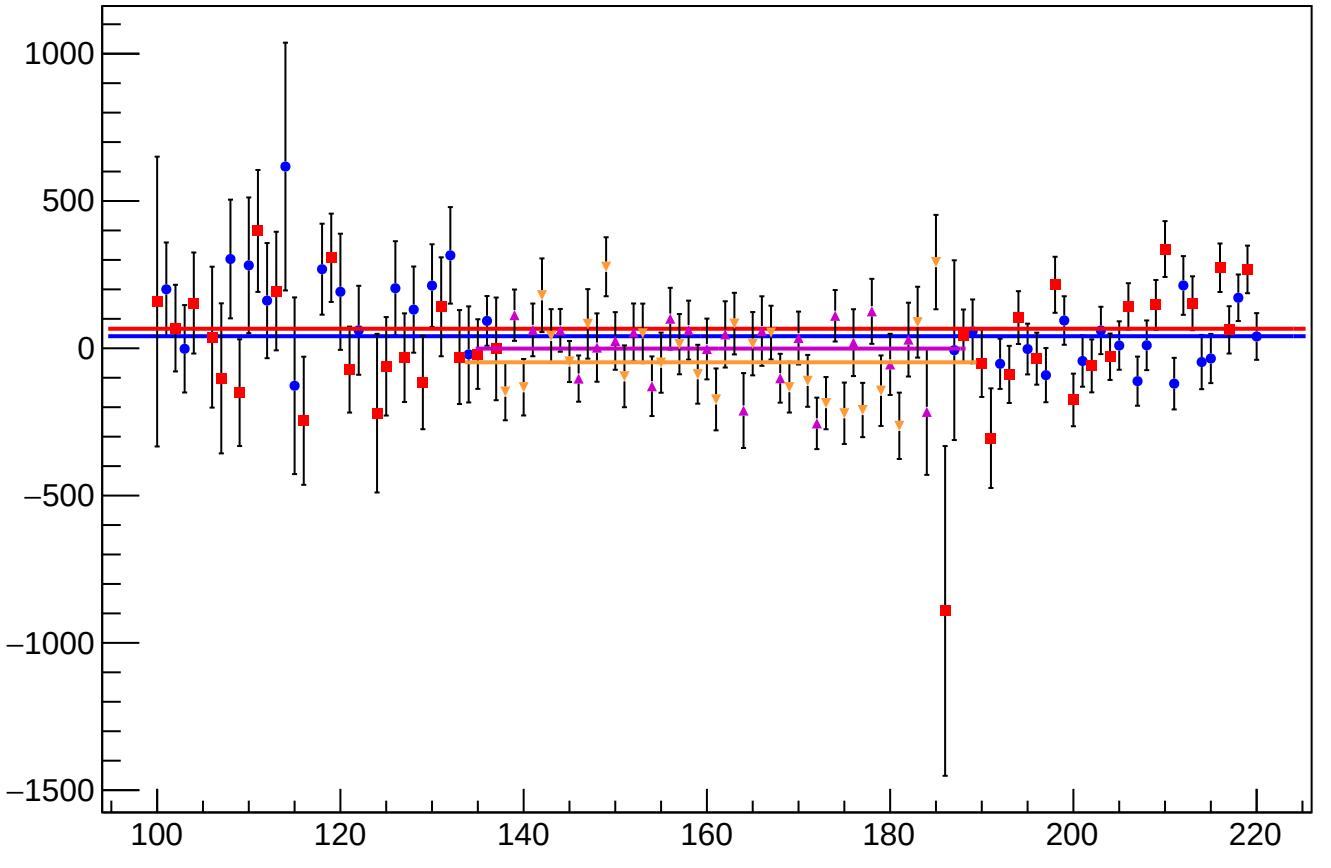
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 626.034+/-0.070 χ^2/NDF: 3632008.3/69

In: 544.010+/-0.063 χ^2/NDF:3186719.1/55

Out: 542.129+/-0.062 χ^2/NDF:4275970.3/61

All: 543.054+/-0.044 χ^2/NDF: 7463144.9/117



Right In: 41.011+/-18.902 χ^2/NDF: 34.9/32

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 66.325+/-19.148 χ^2/NDF: 65.0/36

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

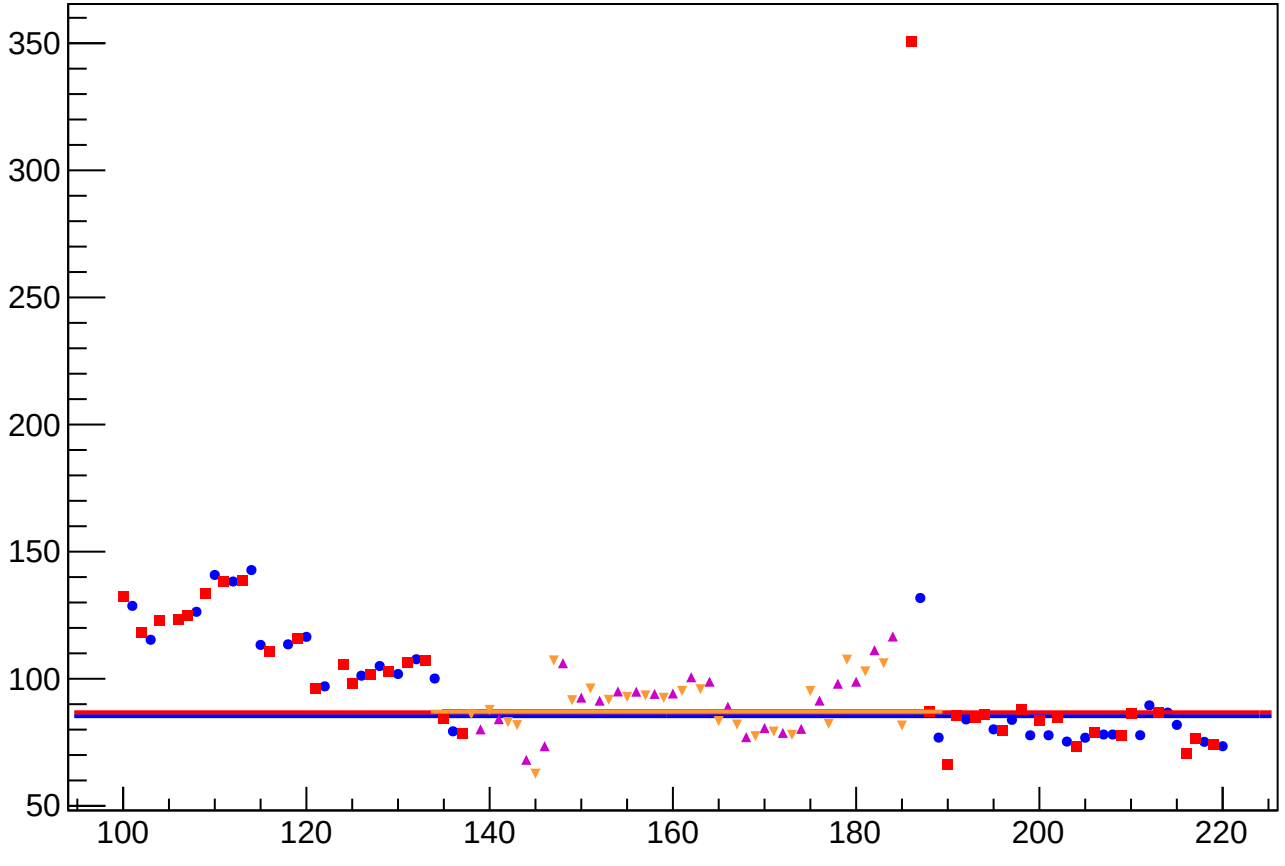
Right: 53.504+/-13.452 χ^2/NDF: 100.8/69

In: 21.817+/-13.929 χ^2/NDF:62.6/55

Out: 11.826+/-13.825 χ^2/NDF:125.9/61

All: 16.784+/-9.812 χ^2/NDF: 188.8/117

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 85.293+/-0.013 χ^2/NDF: 1188615.0/32

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

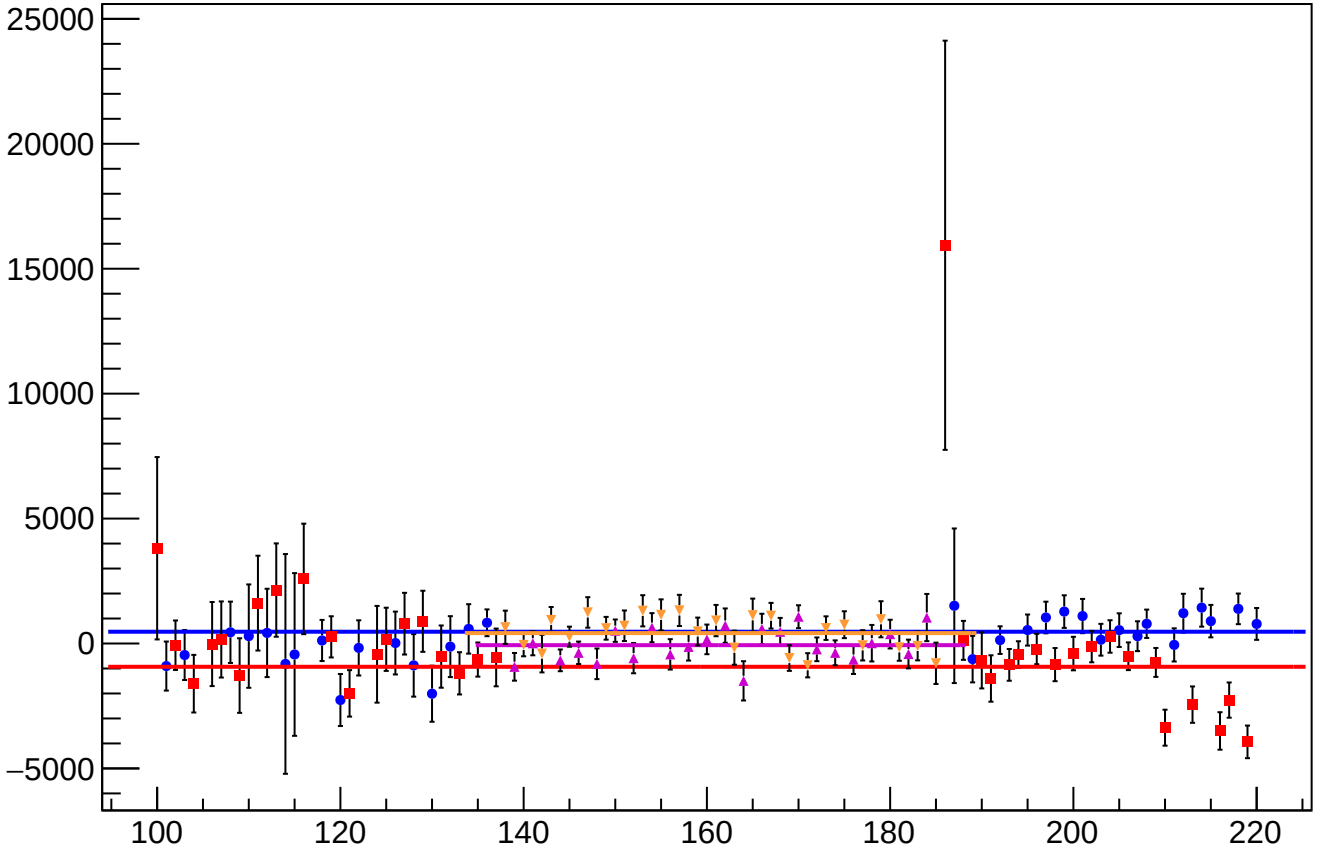
Right: 86.041+/-0.010 χ^2/NDF: 2895555.8/69

In: 86.190+/-0.010 χ^2/NDF:1794271.7/55

Out: 86.935+/-0.010 χ^2/NDF:2321399.4/61

All: 86.565+/-0.007 χ^2/NDF: 4118548.0/117

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 471.378+/-139.107 χ^2/NDF: 29.0/32

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -931.885+/-139.250 χ^2/NDF: 87.0/36

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

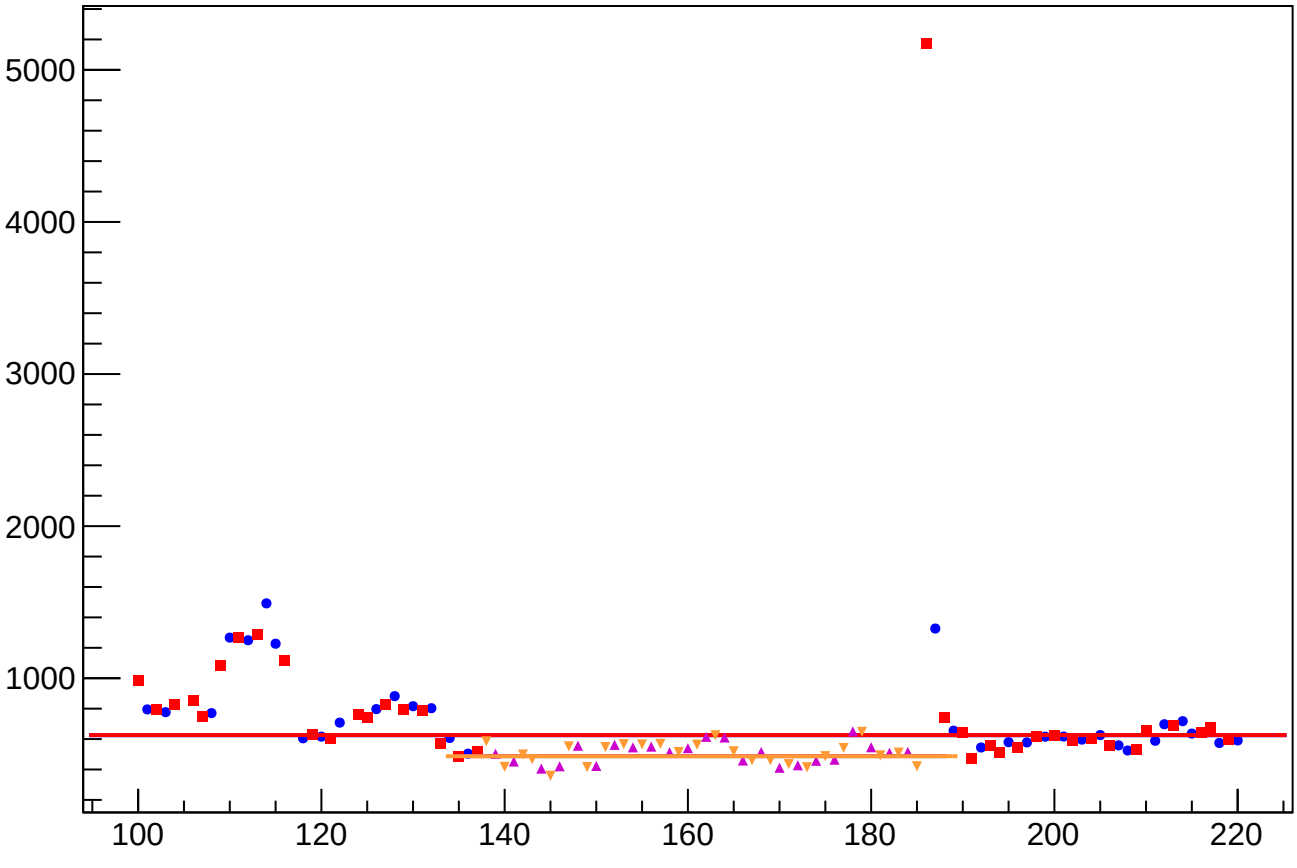
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -229.530+/-98.414 χ^2/NDF: 166.9/69

In: 152.707+/-88.825 χ^2/NDF:65.4/55

Out: -115.127+/-87.432 χ^2/NDF:176.2/61

All: 16.674+/-62.311 χ^2/NDF: 246.2/117



Right In: 625.470+/-0.098 χ^2/NDF: 1394461.9/32

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

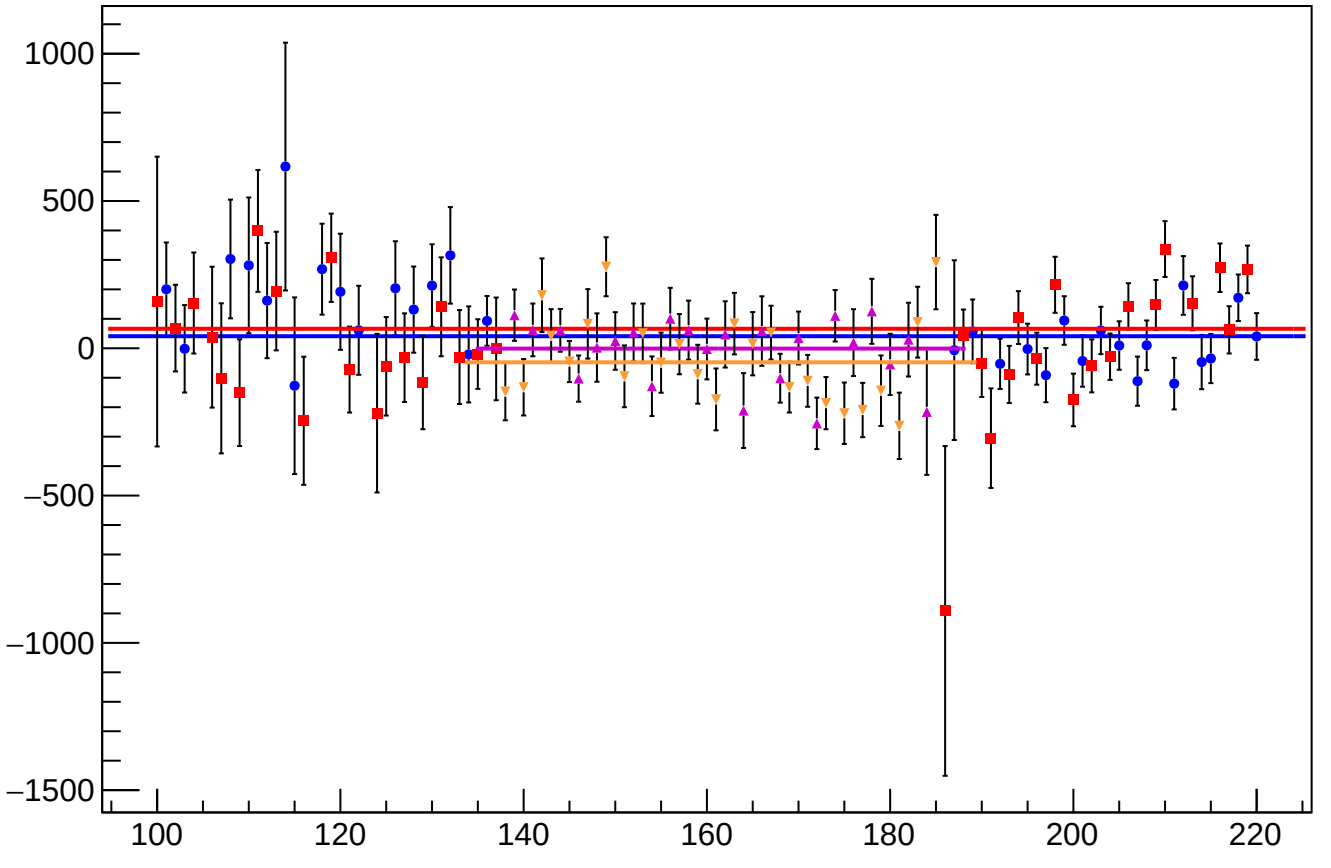
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 625.799+/-0.070 χ^2/NDF: 3616807.5/69

In: 544.010+/-0.063 χ^2/NDF:3186735.4/55

Out: 541.898+/-0.062 χ^2/NDF:4251585.9/61

All: 542.937+/-0.044 χ^2/NDF: 7438895.7/117



Right In: 41.011+/-18.902 χ^2/NDF: 34.9/32

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 66.325+/-19.148 χ^2/NDF: 65.0/36

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

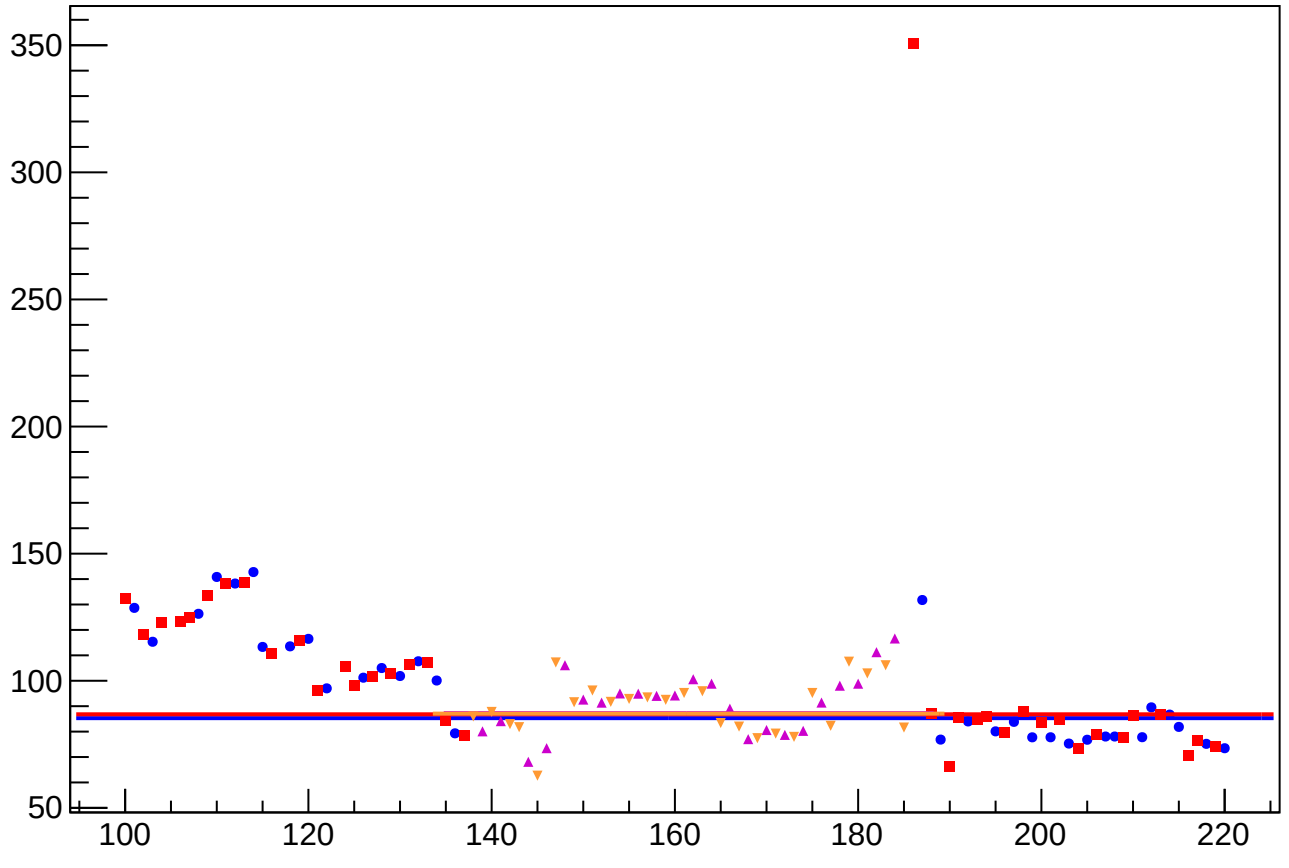
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 53.504+/-13.452 χ^2/NDF: 100.8/69

In: 21.817+/-13.929 χ^2/NDF:62.6/55

Out: 11.826+/-13.825 χ^2/NDF:125.9/61

All: 16.784+/-9.812 χ^2/NDF: 188.8/117



Right In: 85.293+/-0.013 χ^2/NDF: 1188615.0/32

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

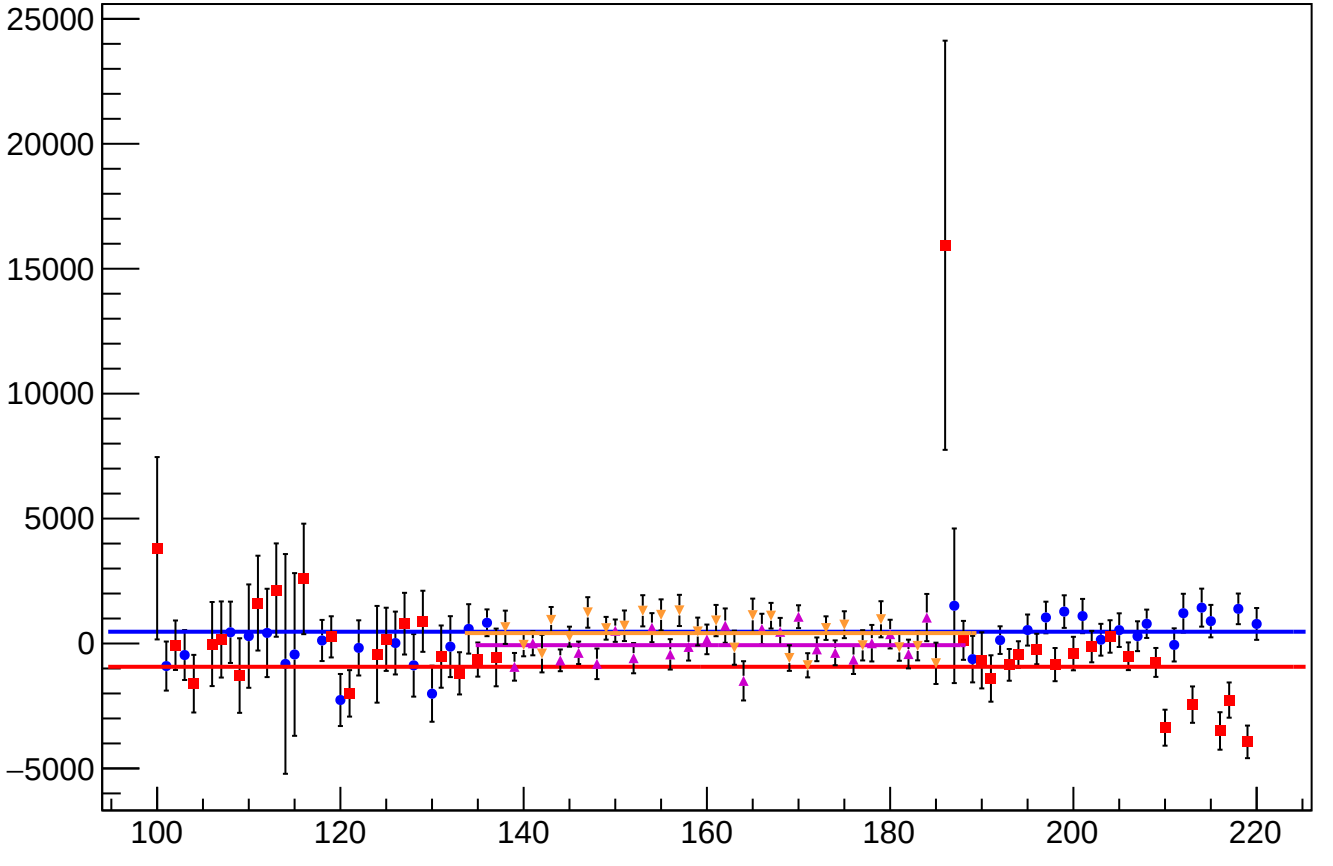
Right: 86.041+/-0.010 χ^2/NDF: 2895555.8/69

In: 86.190+/-0.010 χ^2/NDF:1794271.7/55

Out: 86.935+/-0.010 χ^2/NDF:2321399.4/61

All: 86.565+/-0.007 χ^2/NDF: 4118548.0/117

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 471.378+/-139.107 χ^2/NDF: 29.0/32

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -931.885+/-139.250 χ^2/NDF: 87.0/36

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

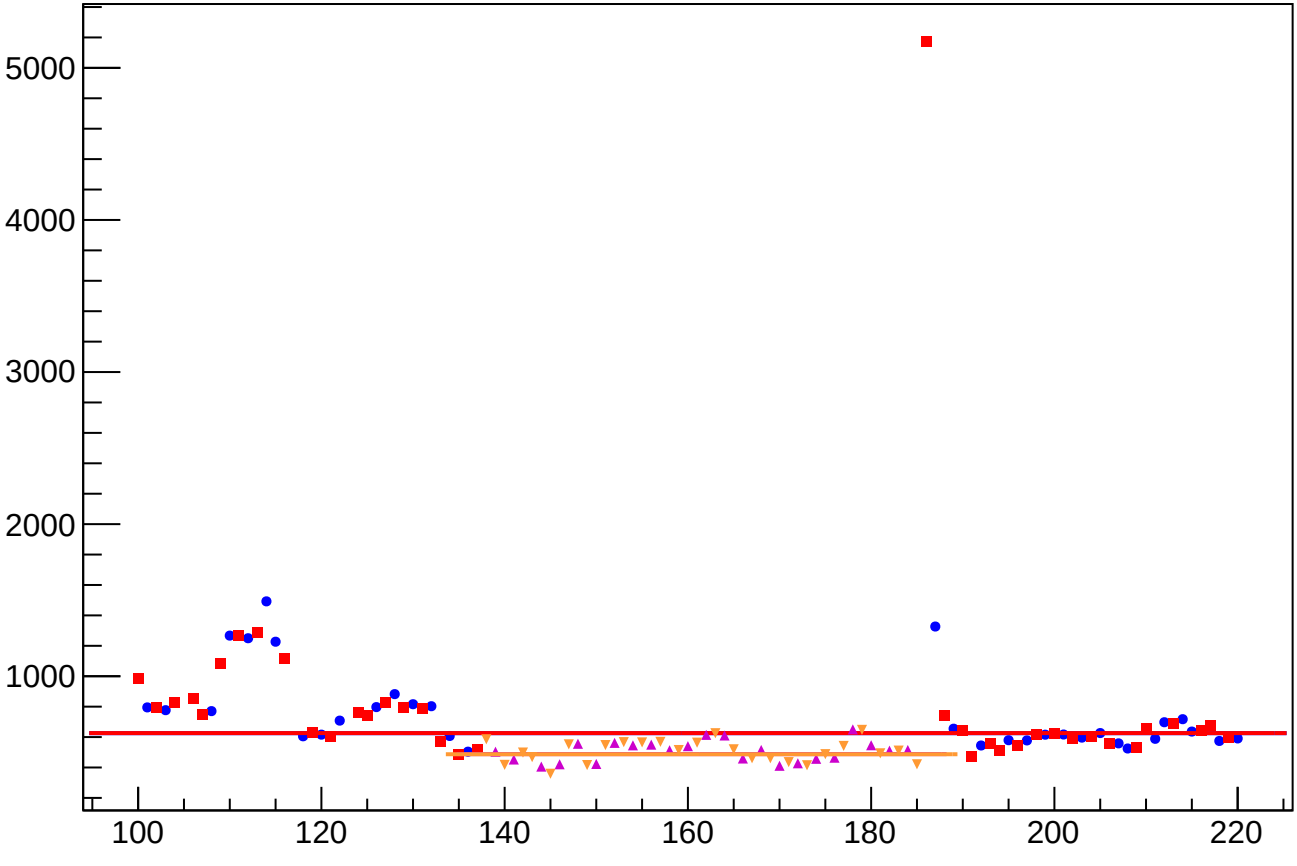
Right: -229.530+/-98.414 χ^2/NDF: 166.9/69

In: 152.707+/-88.825 χ^2/NDF:65.4/55

Out: -115.127+/-87.432 χ^2/NDF:176.2/61

All: 16.674+/-62.311 χ^2/NDF: 246.2/117

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 625.470+/-0.098 χ^2/NDF: 1394461.9/32

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

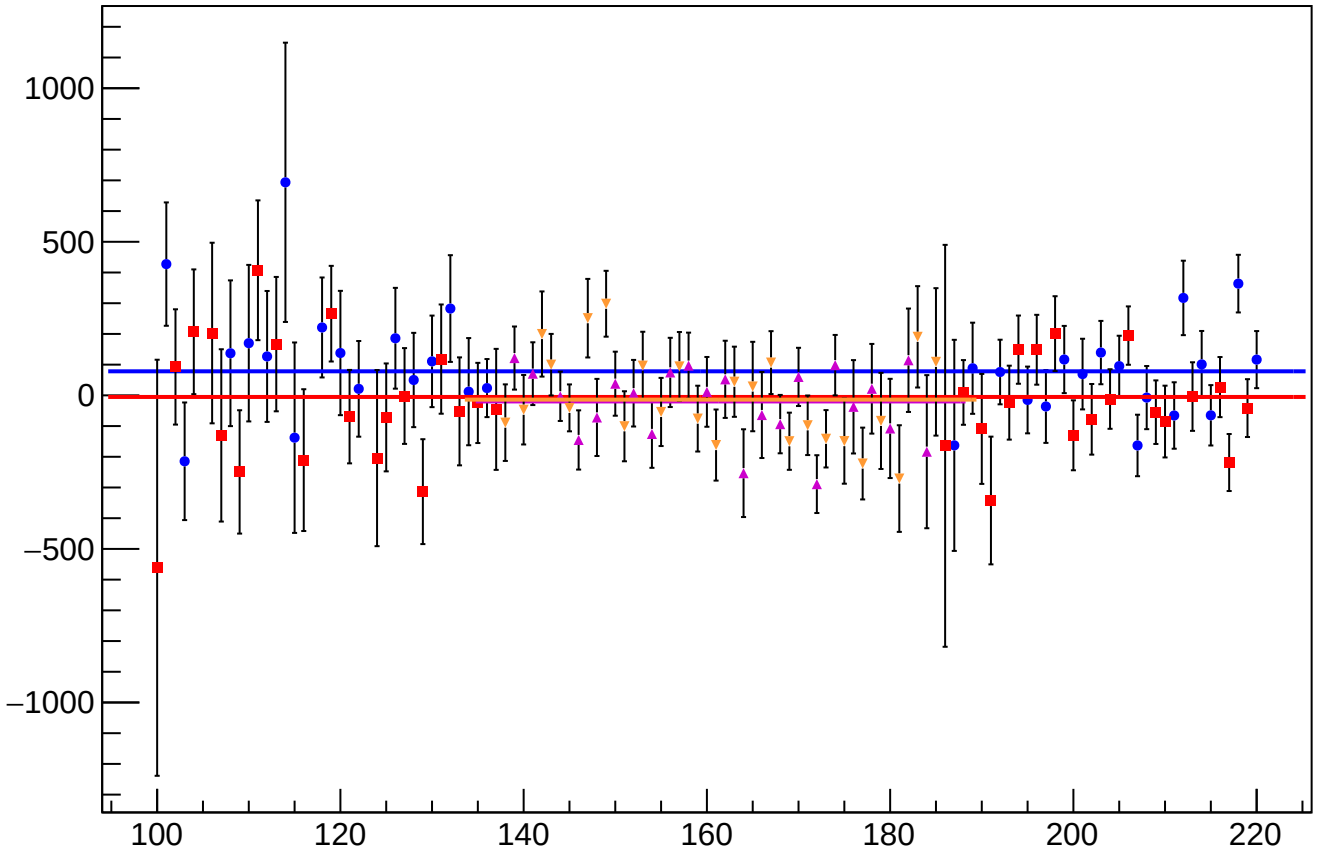
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 625.799+/-0.070 χ^2/NDF: 3616807.5/69

In: 544.010+/-0.063 χ^2/NDF:3186735.4/55

Out: 541.898+/-0.062 χ^2/NDF:4251585.9/61

All: 542.937+/-0.044 χ^2/NDF: 7438895.7/117



Right In: 78.288+/-22.651 χ^2/NDF: 37.7/32

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -5.223+/-22.899 χ^2/NDF: 38.6/36

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

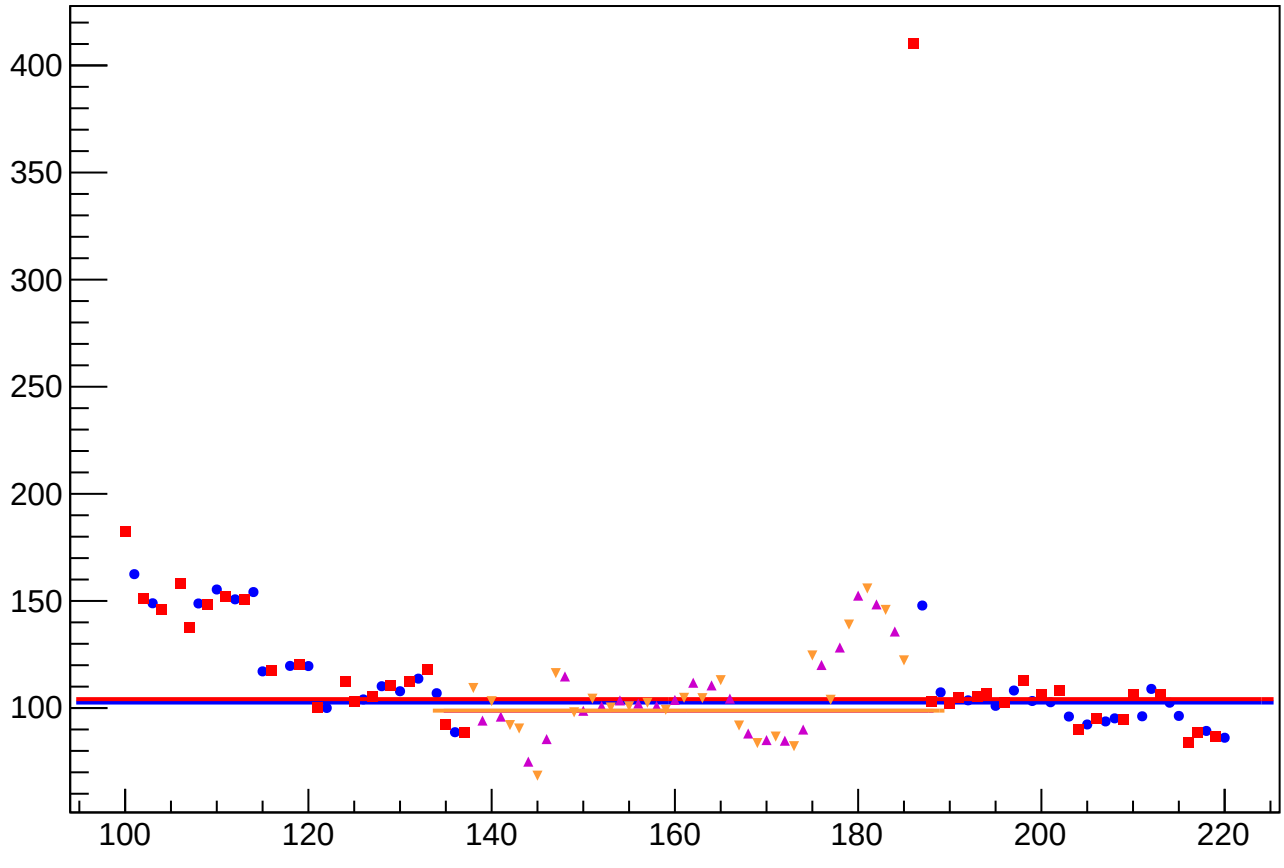
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 36.987+/-16.104 χ^2/NDF: 83.0/69

In: 31.194+/-16.332 χ^2/NDF:70.0/55

Out: -9.560+/-16.198 χ^2/NDF:75.0/61

All: 10.649+/-11.501 χ^2/NDF: 148.2/117



Right In: 102.573+/-0.016 χ^2/NDF: 906454.1/32

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 104.166+/-0.016 χ^2/NDF: 1430031.0/36

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

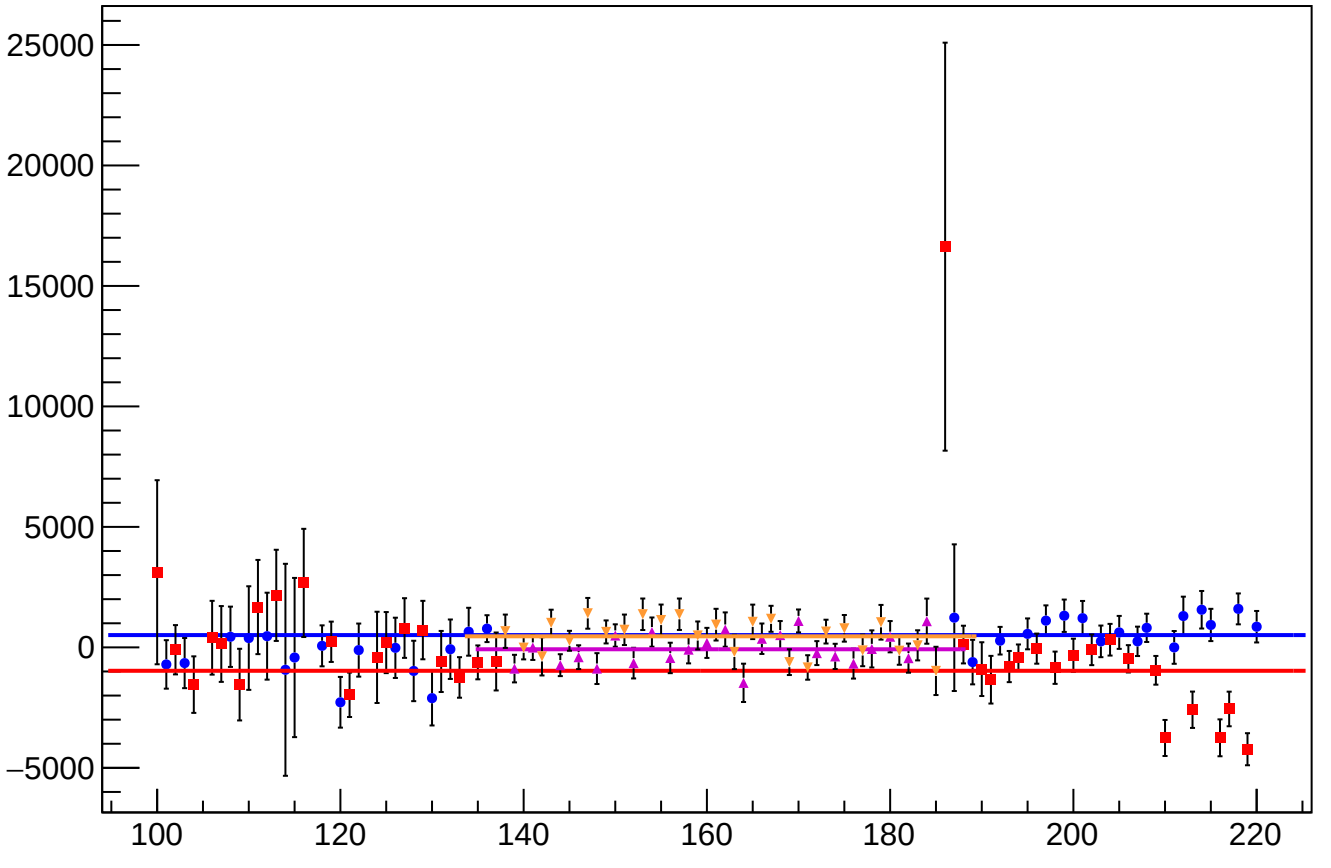
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 103.361+/-0.011 χ^2/NDF: 2341375.9/69

In: 100.701+/-0.012 χ^2/NDF:1922742.9/55

Out: 101.484+/-0.011 χ^2/NDF:2670736.0/61

All: 101.096+/-0.008 χ^2/NDF: 4595800.6/117



Right In: 510.142+/-142.722 χ^2/NDF: 30.4/32

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -971.672+/-141.953 χ^2/NDF: 97.0/36

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

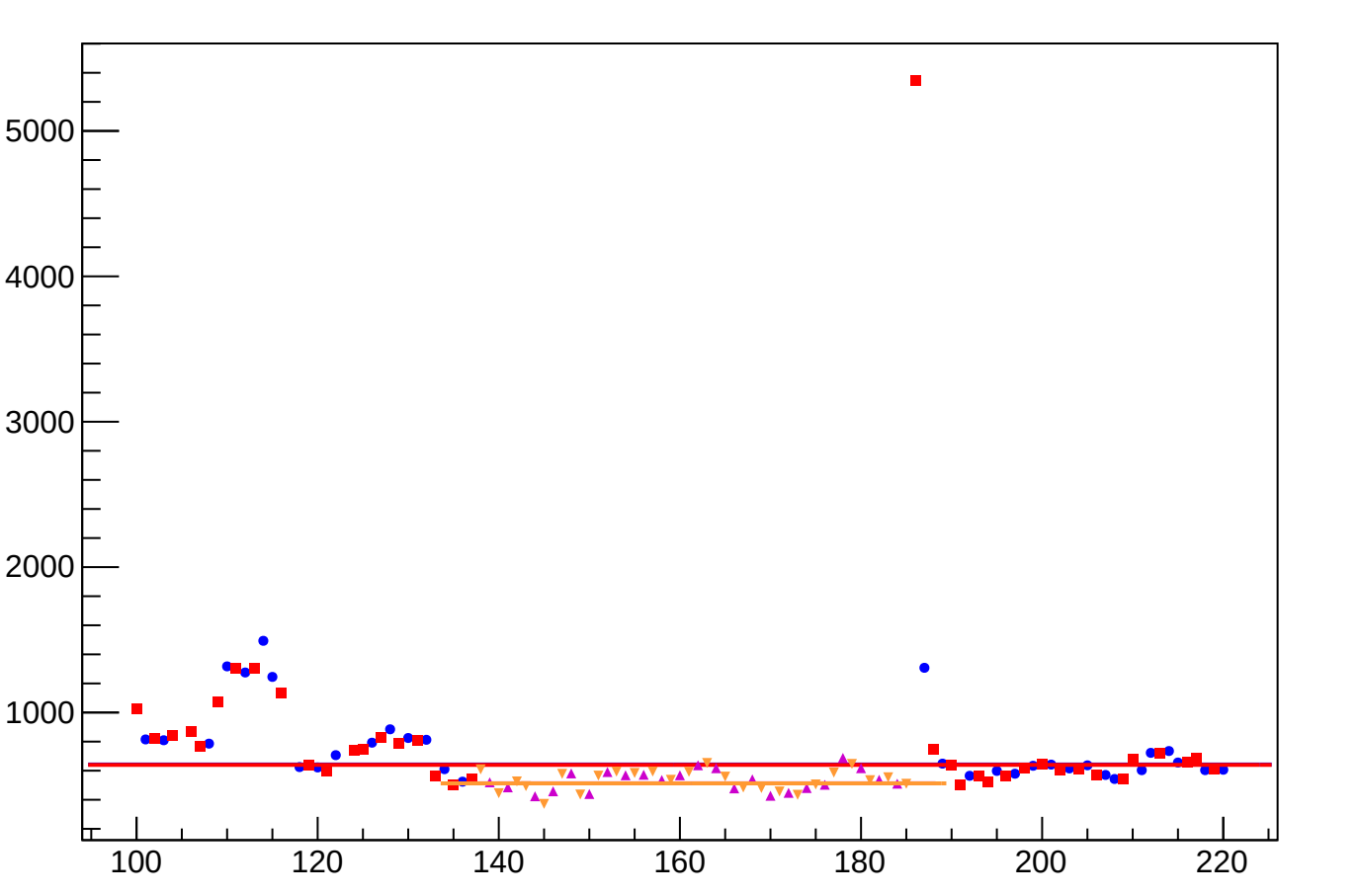
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

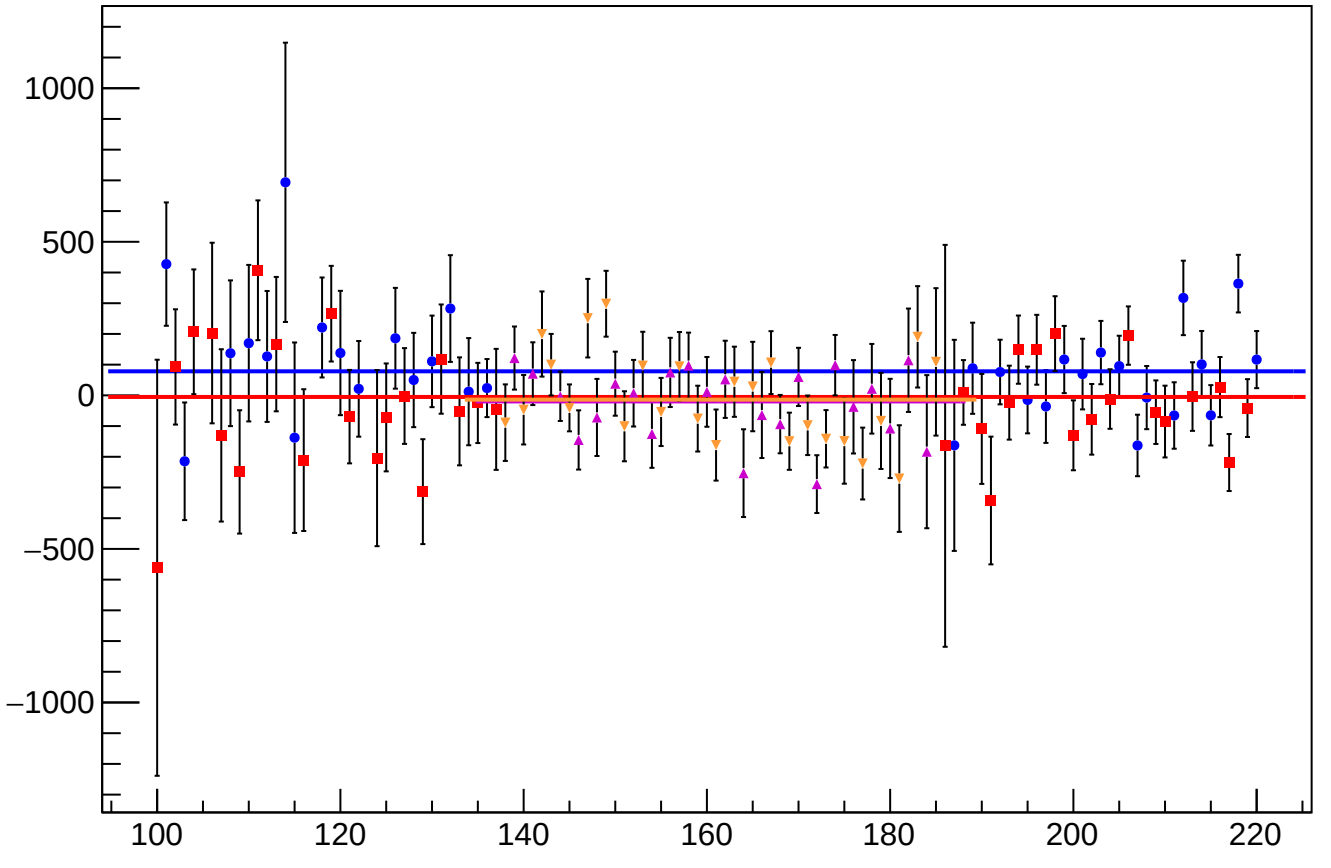
Right: -234.770+/-100.647 χ^2/NDF: 181.7/69

In: 168.527+/-92.488 χ^2/NDF:66.5/55

Out: -126.218+/-90.793 χ^2/NDF:187.9/61

All: 18.429+/-64.791 χ^2/NDF: 259.6/117


asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 642.533+/-0.101 χ²/NDF: 1334234.5/32
Left Out: 512.768+/-0.084 χ²/NDF:799239.4/24
Right Out: 639.929+/-0.100 χ²/NDF: 2170663.7/36
Left In: 513.375+/-0.086 χ²/NDF:634000.2/22
Left: 513.063+/-0.060 χ²/NDF: 1433265.3/47
Right: 641.224+/-0.071 χ²/NDF: 3505232.9/69
In: 567.614+/-0.065 χ²/NDF:2918327.8/55
Out: 564.789+/-0.064 χ²/NDF:3918259.6/61
All: 566.175+/-0.046 χ²/NDF: 6837537.7/117



Right In: 78.287+/-22.651 χ^2/NDF: 37.7/32

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -5.220+/-22.899 χ^2/NDF: 38.6/36

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

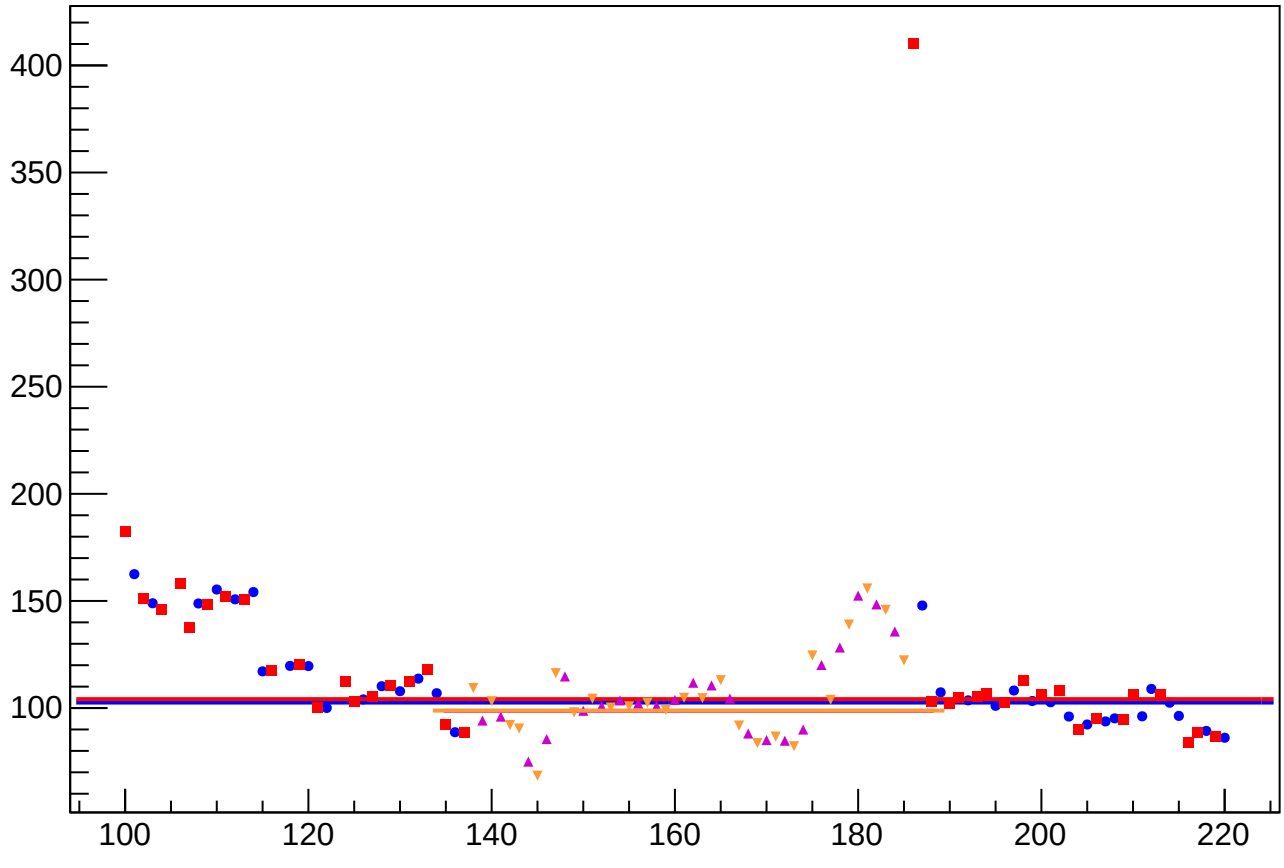
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 36.988+/-16.104 χ^2/NDF: 83.0/69

In: 31.193+/-16.332 χ^2/NDF:70.0/55

Out: -9.560+/-16.198 χ^2/NDF:75.0/61

All: 10.649+/-11.501 χ^2/NDF: 148.2/117



Right In: 102.573+/-0.016 χ^2/NDF: 906448.1/32

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 104.166+/-0.016 χ^2/NDF: 1430026.2/36

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

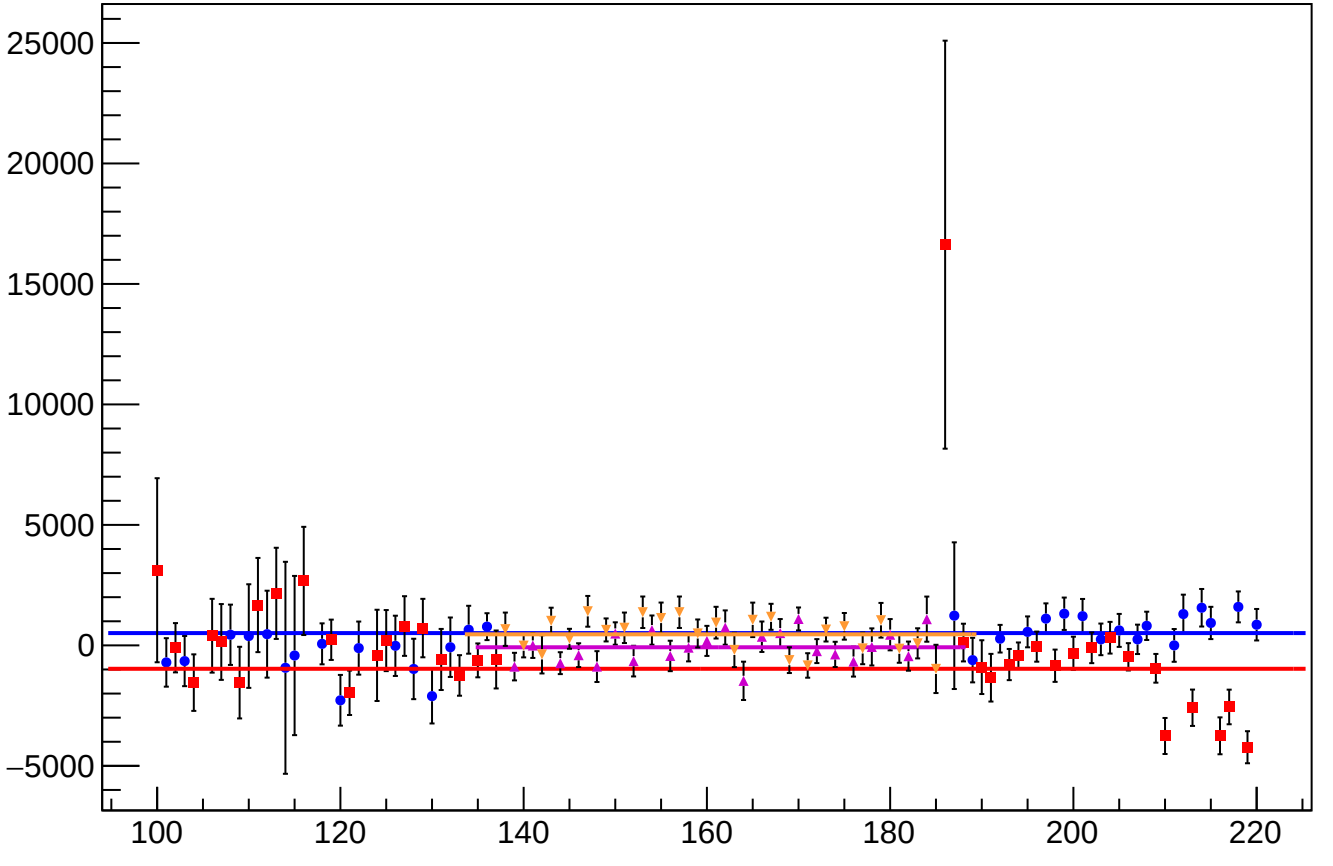
Right: 103.361+/-0.011 χ^2/NDF: 2341365.1/69

In: 100.701+/-0.012 χ^2/NDF:1922728.9/55

Out: 101.484+/-0.011 χ^2/NDF:2670736.6/61

All: 101.096+/-0.008 χ^2/NDF: 4595786.9/117

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 510.143+/-142.722 χ^2/NDF: 30.4/32

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -971.670+/-141.952 χ^2/NDF: 97.0/36

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

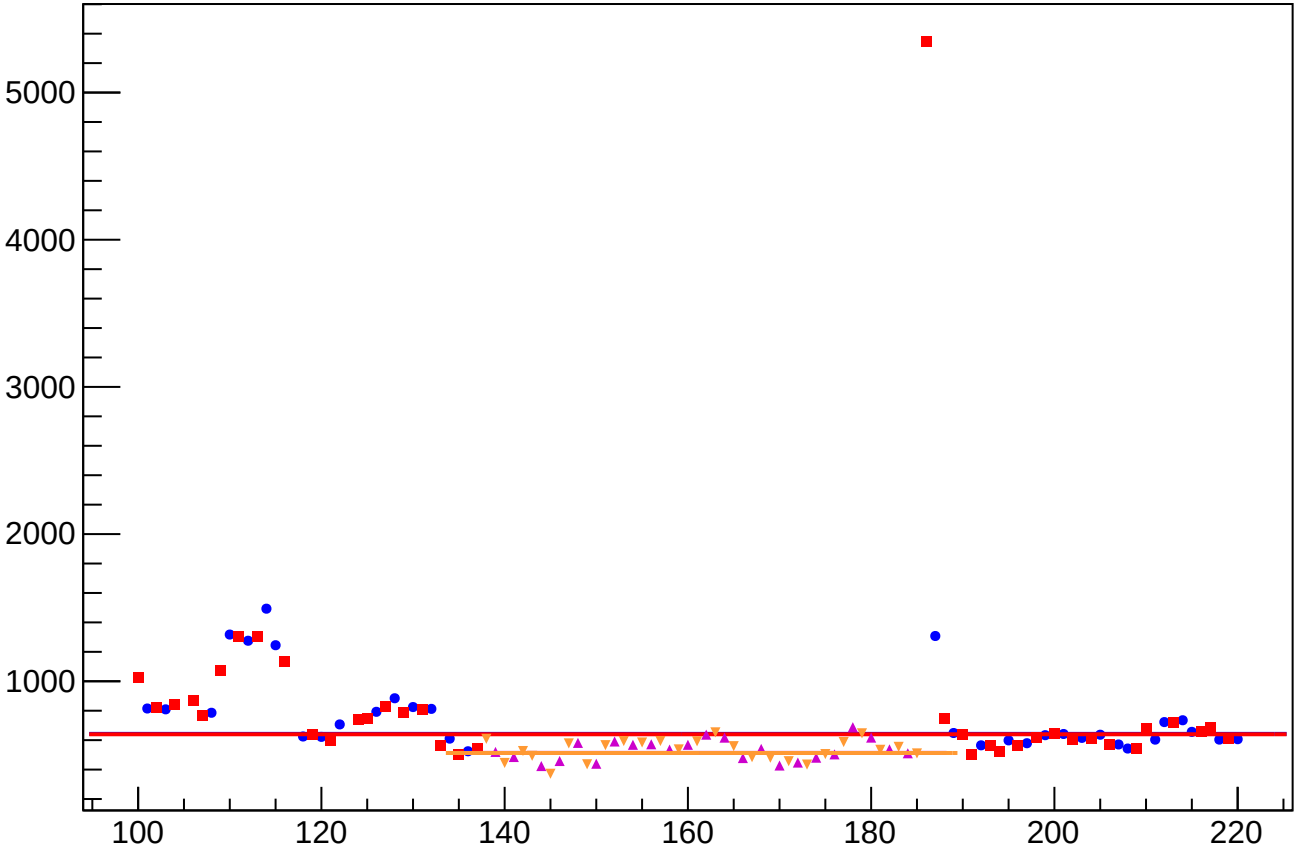
Right: -234.769+/-100.646 χ^2/NDF: 181.7/69

In: 168.527+/-92.488 χ^2/NDF:66.5/55

Out: -126.219+/-90.793 χ^2/NDF:187.9/61

All: 18.429+/-64.791 χ^2/NDF: 259.6/117

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 642.532+/-0.101 χ^2/NDF: 1334231.1/32

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 639.928+/-0.100 χ^2/NDF: 2170661.0/36

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

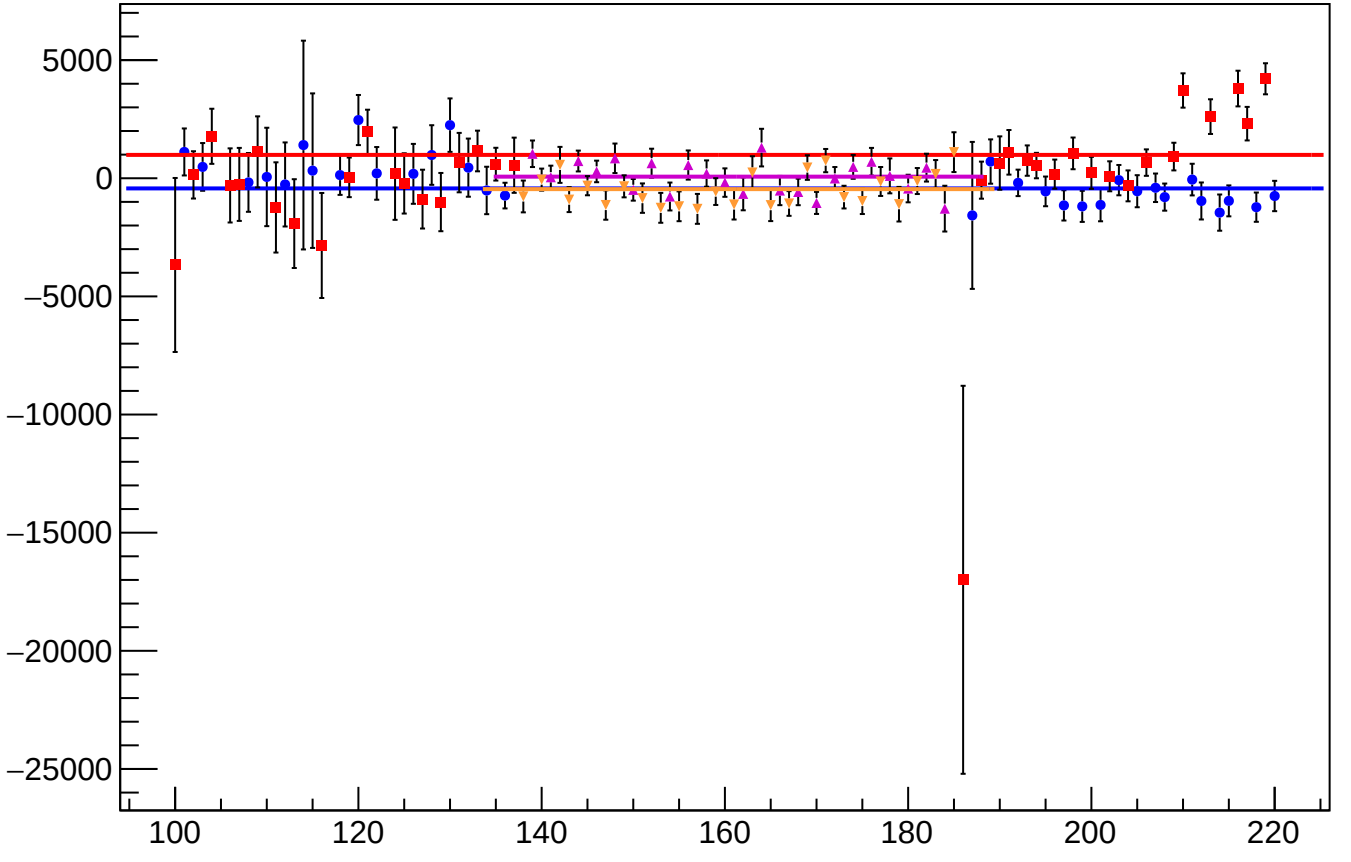
Right: 641.223+/-0.071 χ^2/NDF: 3505226.8/69

In: 567.613+/-0.065 χ^2/NDF:2918313.5/55

Out: 564.788+/-0.064 χ^2/NDF:3918245.8/61

All: 566.174+/-0.046 χ^2/NDF: 6837509.6/117

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -430.099+/-140.520 χ^2/NDF: 31.0/32

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 988.619+/-140.643 χ^2/NDF: 97.0/36

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

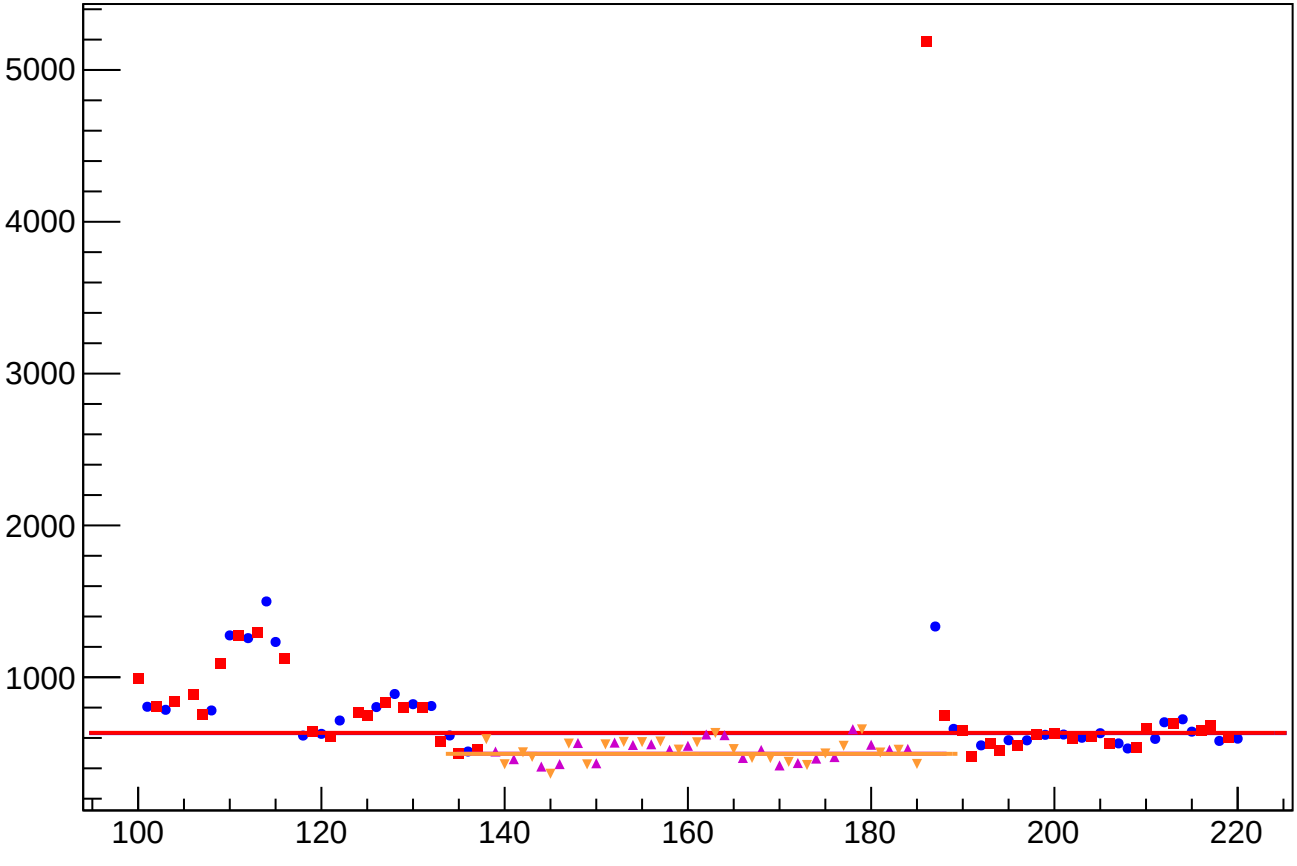
Right: 278.643+/-99.406 χ^2/NDF: 178.9/69

In: -136.660+/-90.079 χ^2/NDF:67.0/55

Out: 115.882+/-88.670 χ^2/NDF:191.7/61

All: -8.398+/-63.191 χ^2/NDF: 262.7/117

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 631.982+/-0.099 χ^2/NDF: 1382143.5/32

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 633.517+/-0.099 χ^2/NDF: 2214877.5/36

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

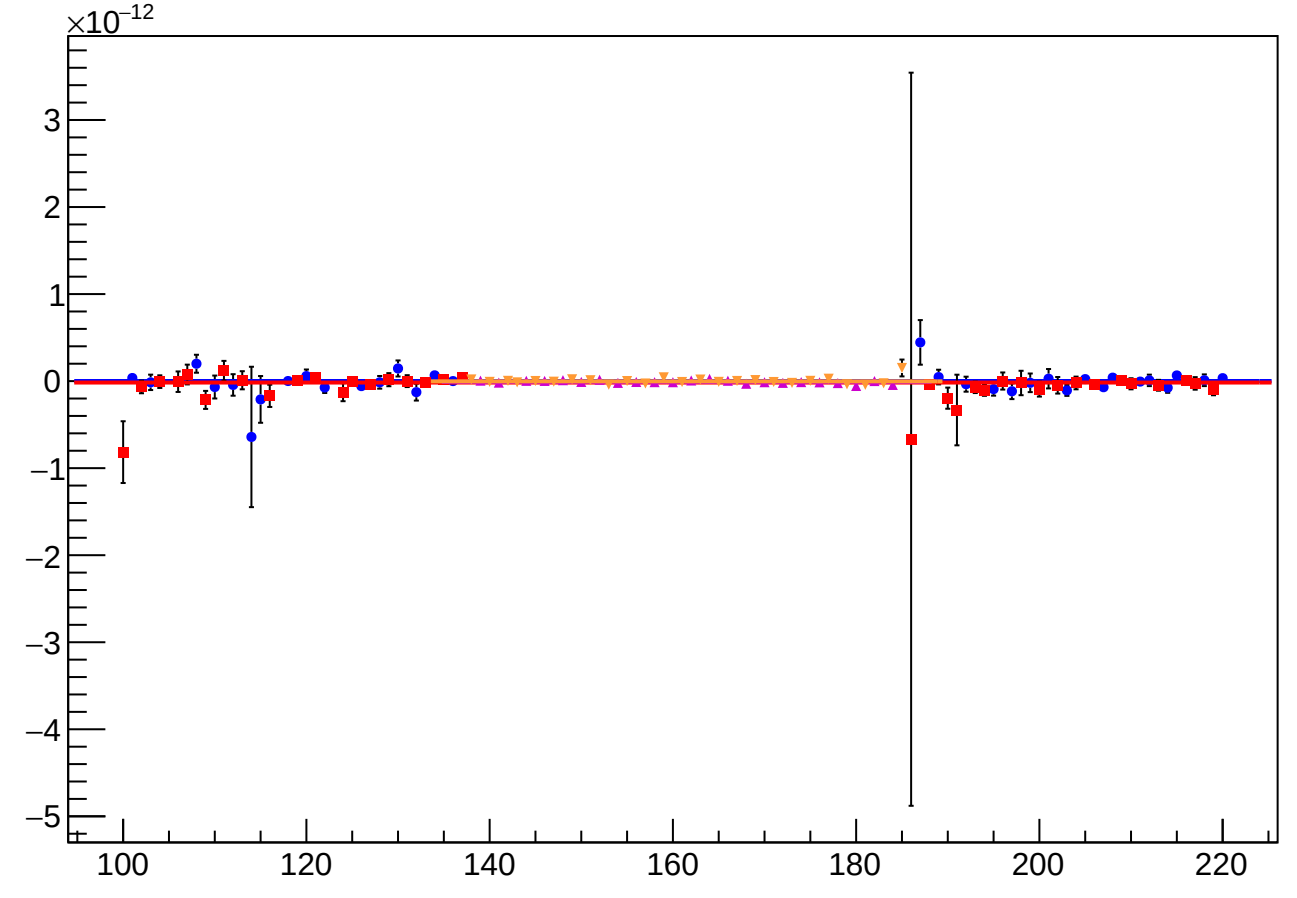
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 632.749+/-0.070 χ^2/NDF: 3597140.2/69

In: 552.061+/-0.064 χ^2/NDF:3102782.8/55

Out: 550.368+/-0.063 χ^2/NDF:4179759.5/61

All: 551.201+/-0.045 χ^2/NDF: 7282901.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/36

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

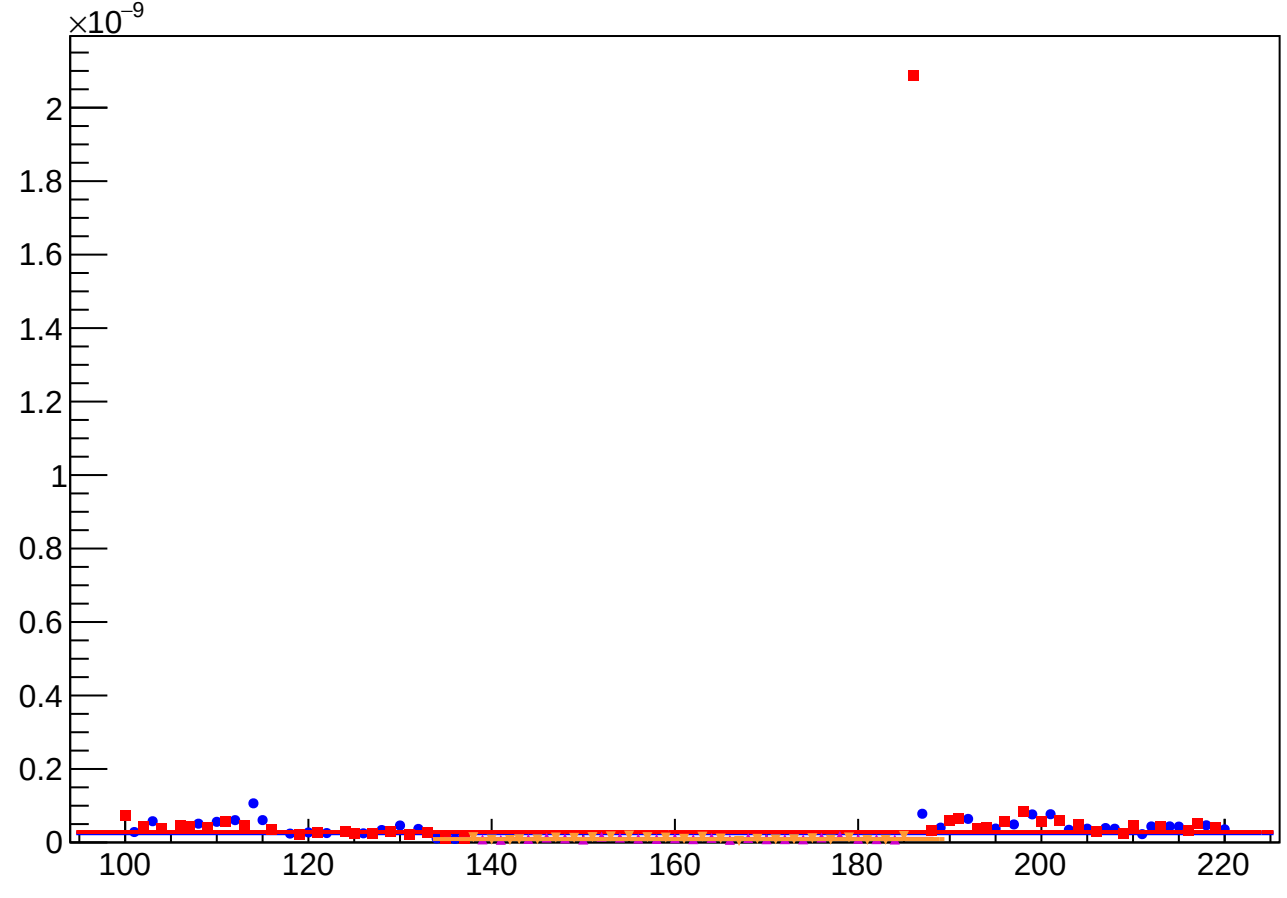
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 63.1/69

In: -0.000+/-0.000 χ^2/NDF:49.5/55

Out: -0.000+/-0.000 χ^2/NDF:55.2/61

All: -0.000+/-0.000 χ^2/NDF: 105.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 6168996.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4707532.0/36

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

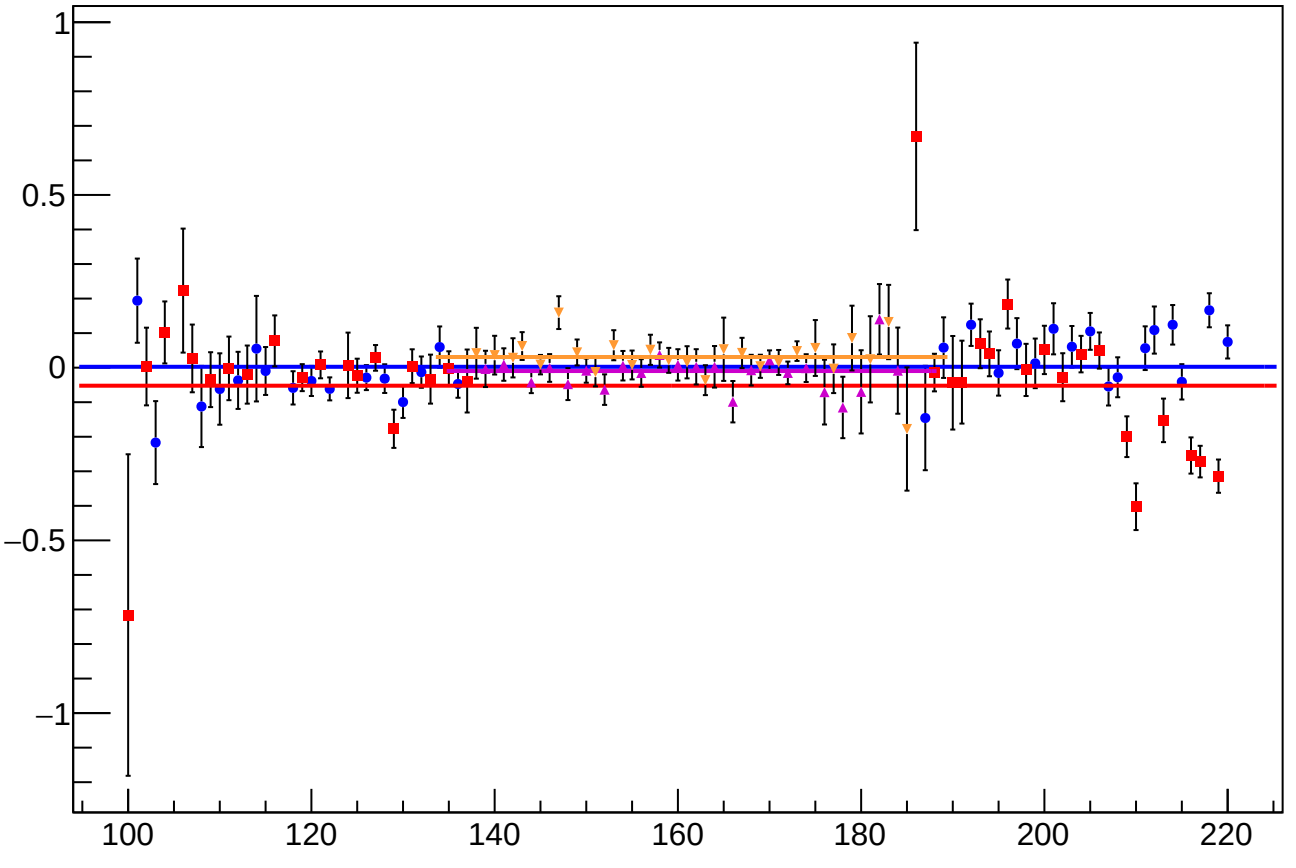
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10991184.2/69

In: 0.000+/-0.000 χ^2/NDF:11466639.1/55

Out: 0.000+/-0.000 χ^2/NDF:12884592.7/61

All: 0.000+/-0.000 χ^2/NDF: 24386247.6/117



Right In: 0.003+/-0.010 χ^2/NDF: 58.7/32

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

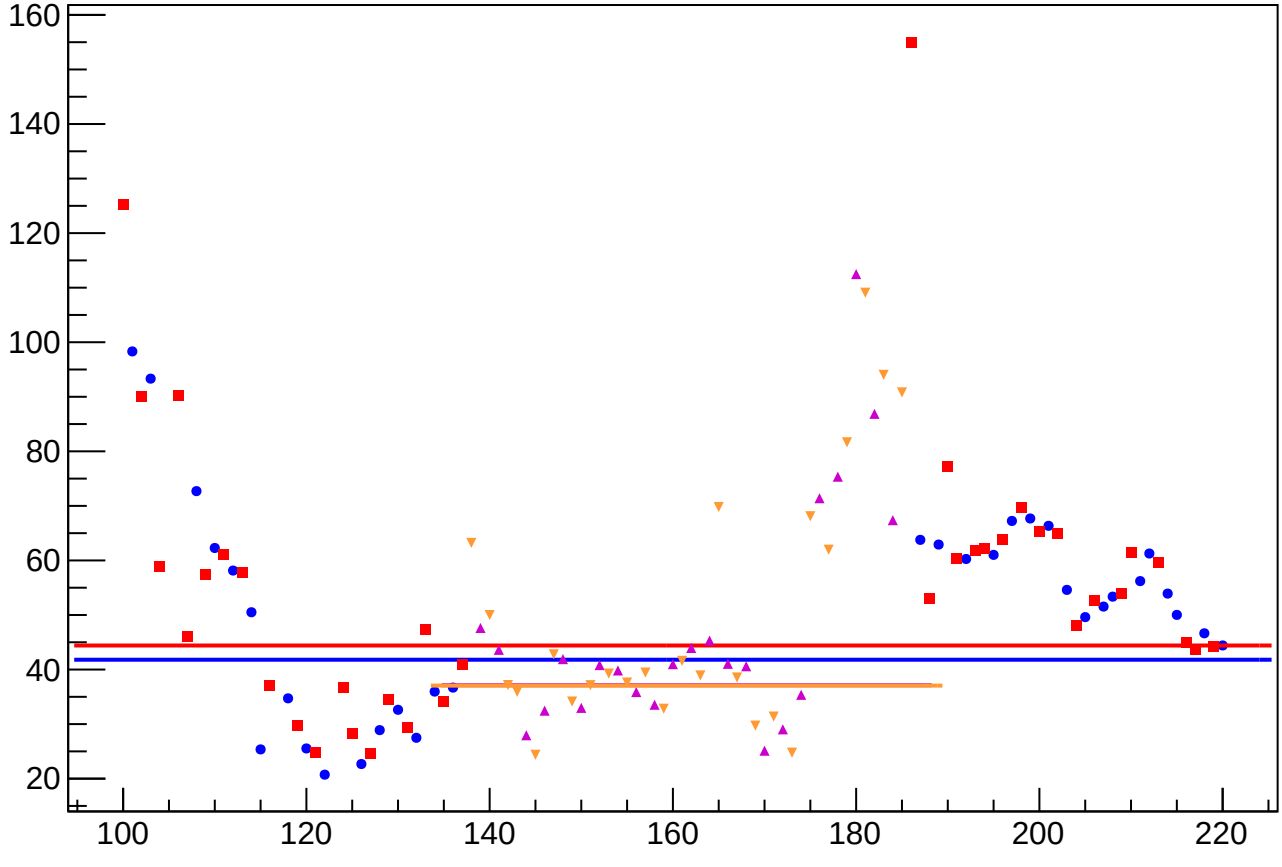
Right: -0.024+/-0.007 χ^2/NDF: 237.3/69

In: -0.004+/-0.007 χ^2/NDF:72.8/55

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.005+/-0.005 χ^2/NDF: 290.9/117

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.800+/-0.007 χ^2/NDF: 5355850.2/32

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

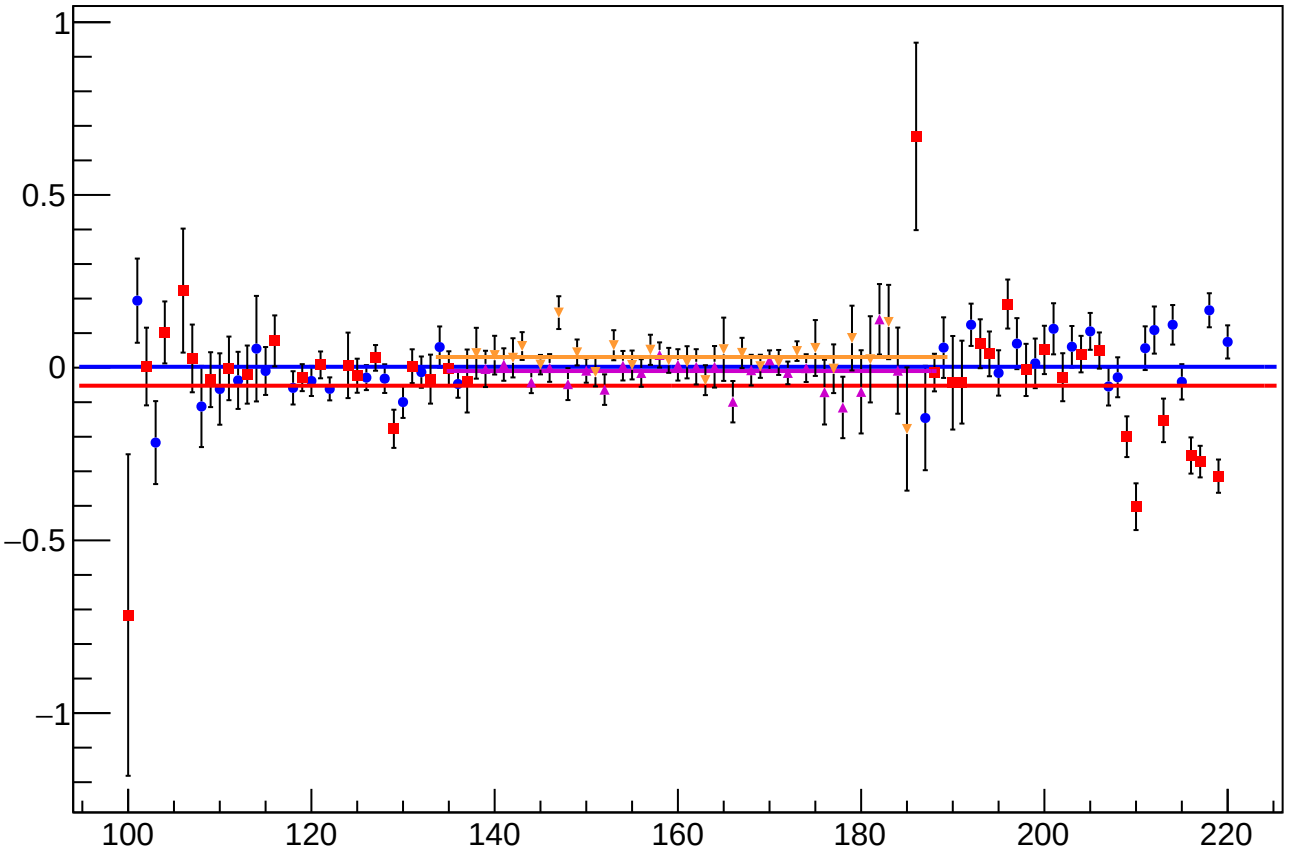
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.049+/-0.005 χ^2/NDF: 10009985.8/69

In: 39.343+/-0.005 χ^2/NDF:8604221.3/55

Out: 40.292+/-0.005 χ^2/NDF:9211932.1/61

All: 39.815+/-0.003 χ^2/NDF: 17835576.3/117



Right In: 0.003+/-0.010 χ^2/NDF: 58.7/32

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

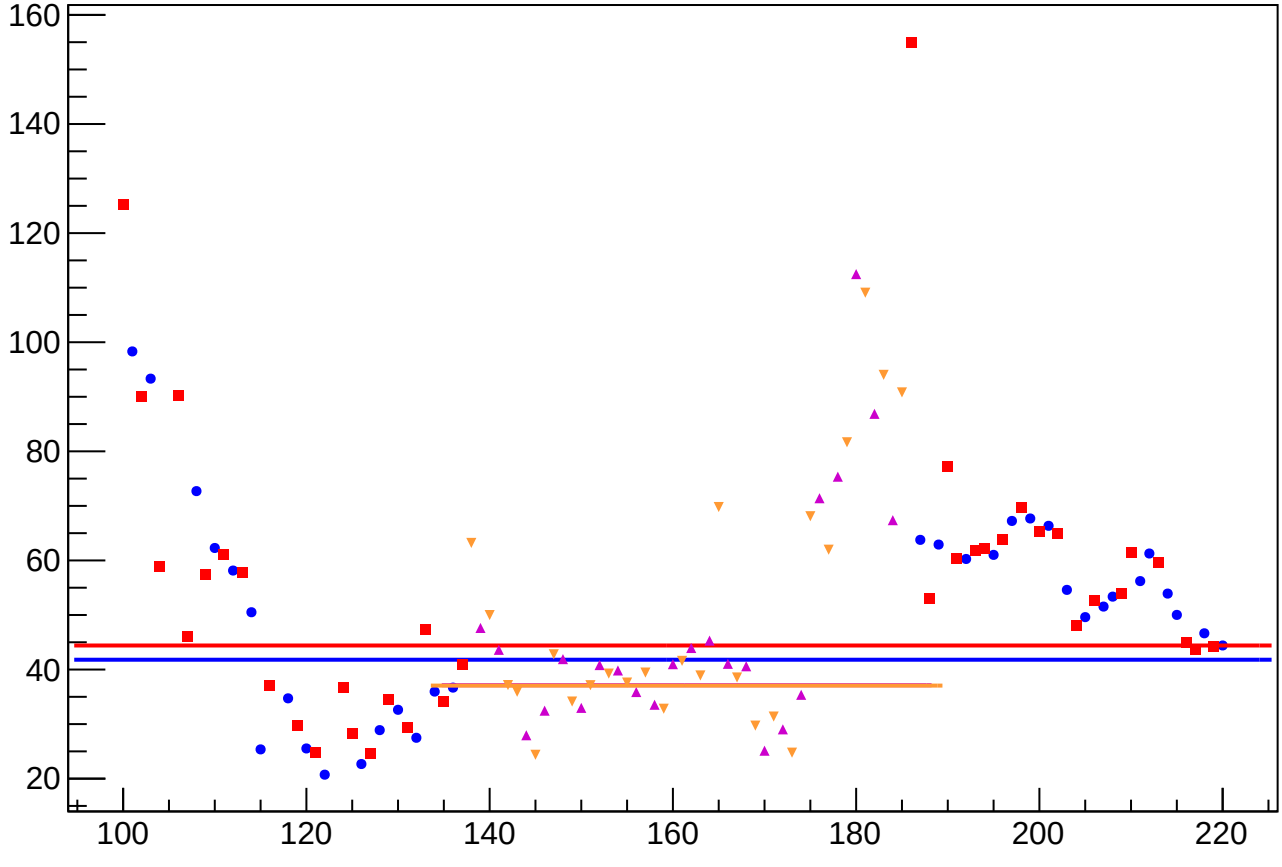
Right: -0.024+/-0.007 χ^2/NDF: 237.3/69

In: -0.004+/-0.007 χ^2/NDF:72.8/55

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.005+/-0.005 χ^2/NDF: 290.9/117

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.800+/-0.007 χ^2/NDF: 5355850.2/32

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

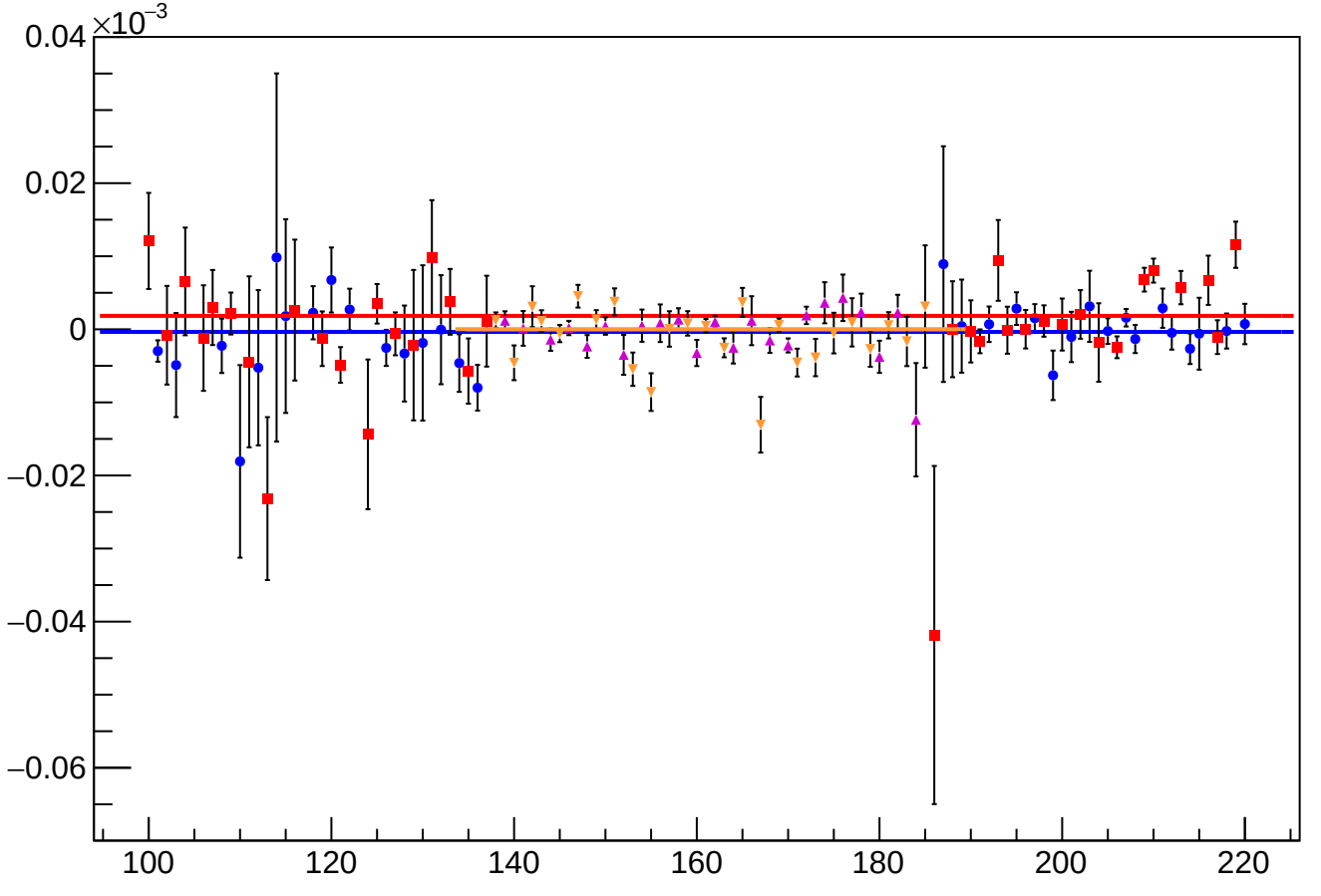
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 43.049+/-0.005 χ^2/NDF: 10009985.8/69

In: 39.343+/-0.005 χ^2/NDF:8604221.3/55

Out: 40.292+/-0.005 χ^2/NDF:9211932.1/61

All: 39.815+/-0.003 χ^2/NDF: 17835576.3/117



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 84.4/36

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

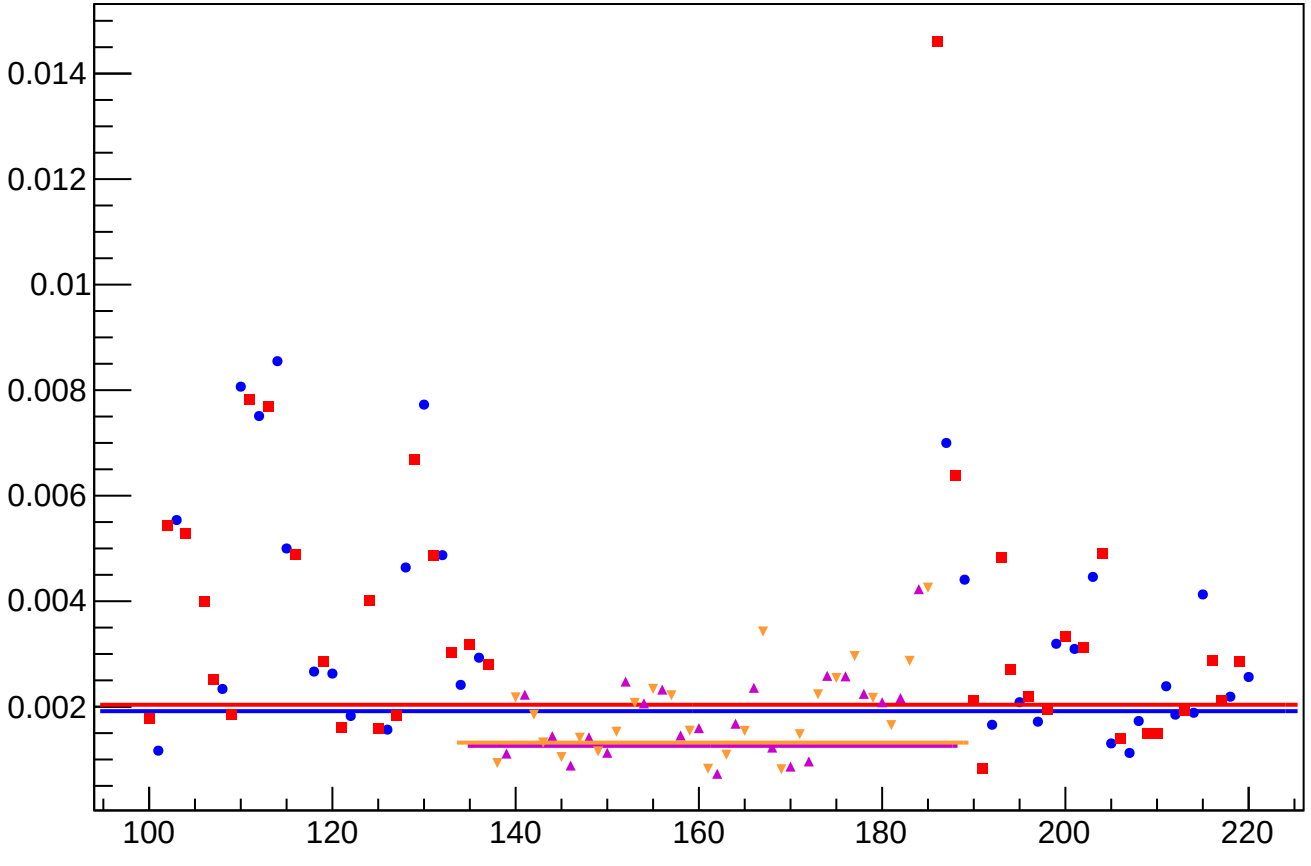
Right: 0.000+/-0.000 χ^2/NDF: 125.4/69

In: -0.000+/-0.000 χ^2/NDF:63.7/55

Out: 0.000+/-0.000 χ^2/NDF:160.9/61

All: 0.000+/-0.000 χ^2/NDF: 228.2/117

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7341003.4/32

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8782952.8/36

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

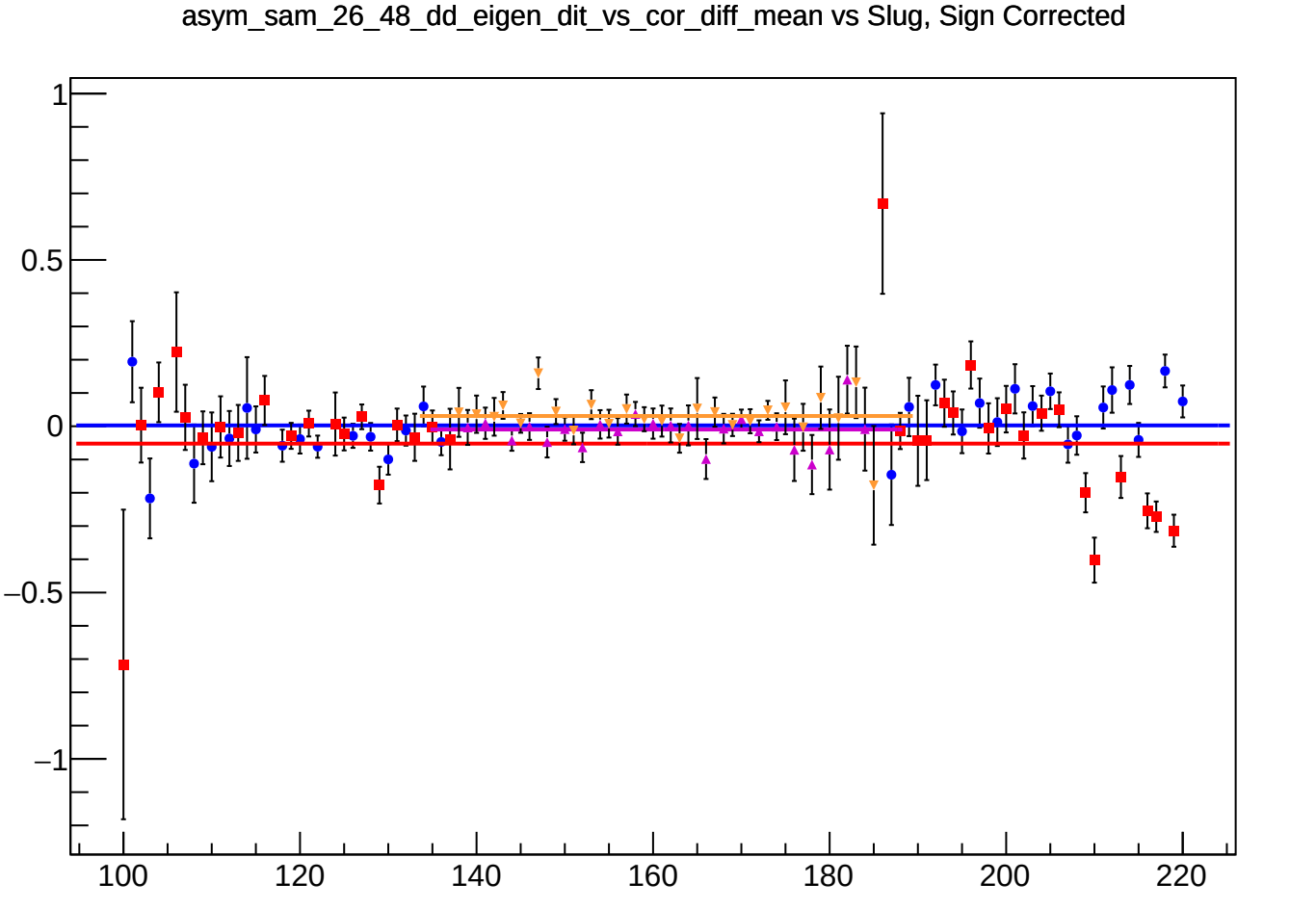
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 16183903.1/69

In: 0.001+/-0.000 χ^2/NDF:15245298.7/55

Out: 0.002+/-0.000 χ^2/NDF:17197245.3/61

All: 0.001+/-0.000 χ^2/NDF: 32501711.6/117



Right In: 0.003+/-0.010 χ^2/NDF: 58.7/32

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

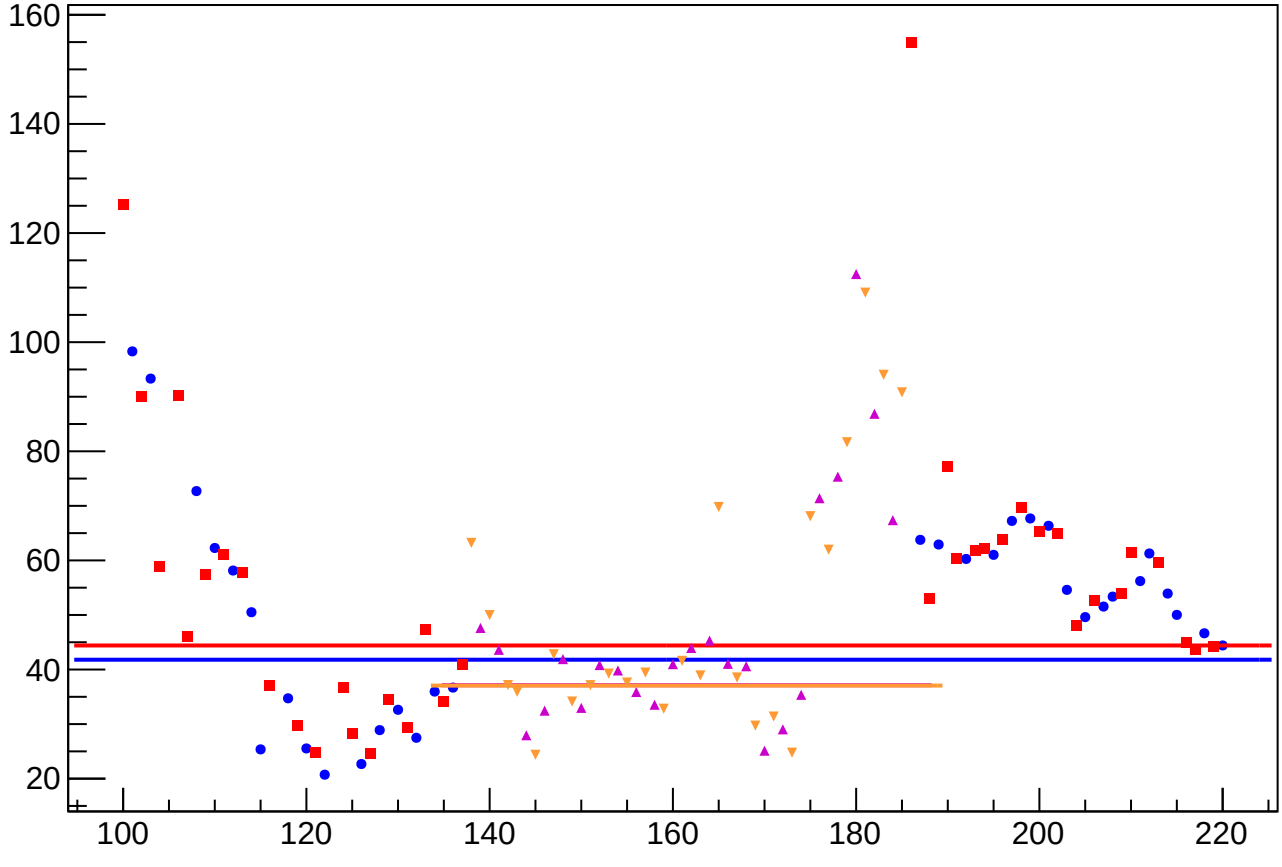
Right: -0.024+/-0.007 χ^2/NDF: 237.3/69

In: -0.004+/-0.007 χ^2/NDF:72.8/55

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.005+/-0.005 χ^2/NDF: 290.9/117

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.800+/-0.007 χ^2/NDF: 5355713.8/32

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

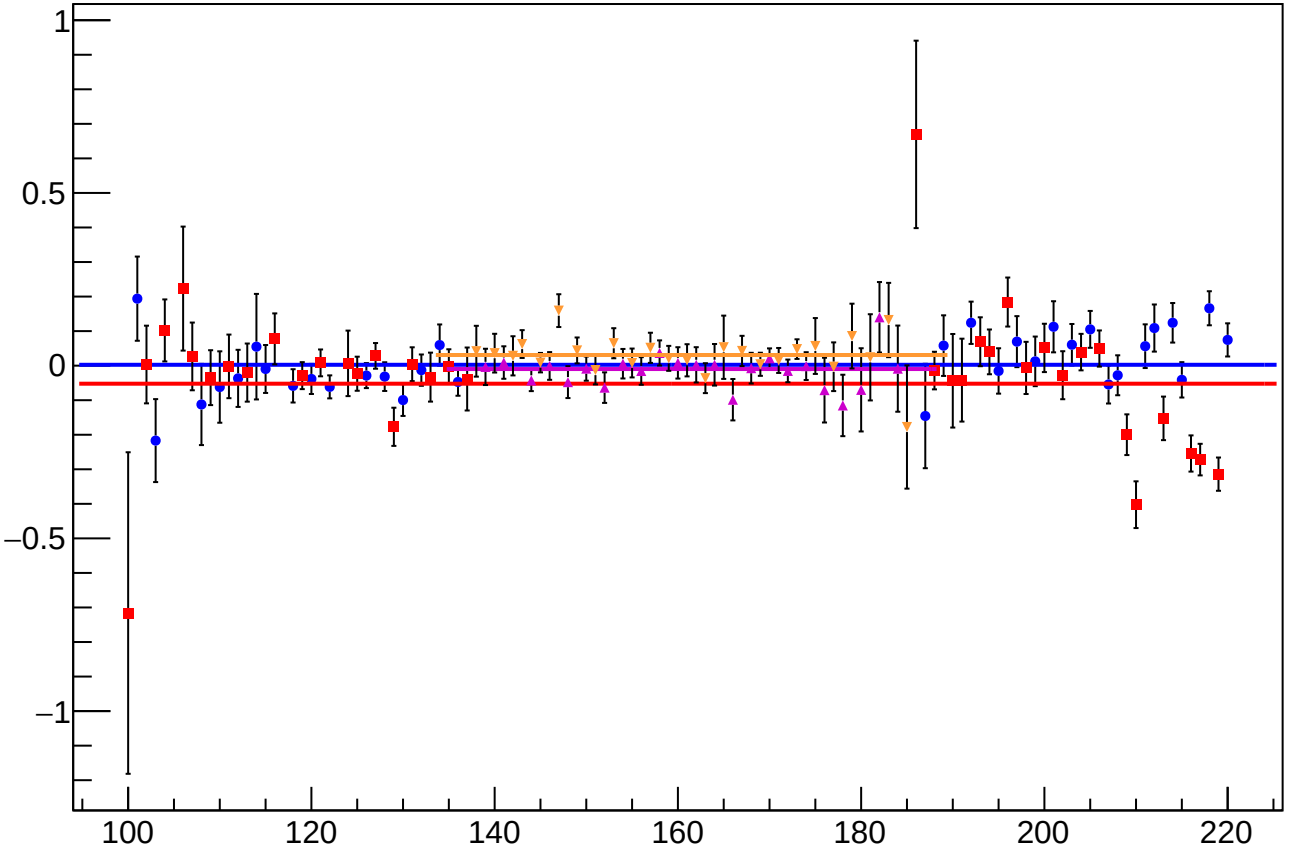
Right: 43.050+/-0.005 χ^2/NDF: 10009631.9/69

In: 39.343+/-0.005 χ^2/NDF:8604088.4/55

Out: 40.292+/-0.005 χ^2/NDF:9211772.5/61

All: 39.815+/-0.003 χ^2/NDF: 17835284.1/117

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.010 χ^2/NDF: 58.7/32

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

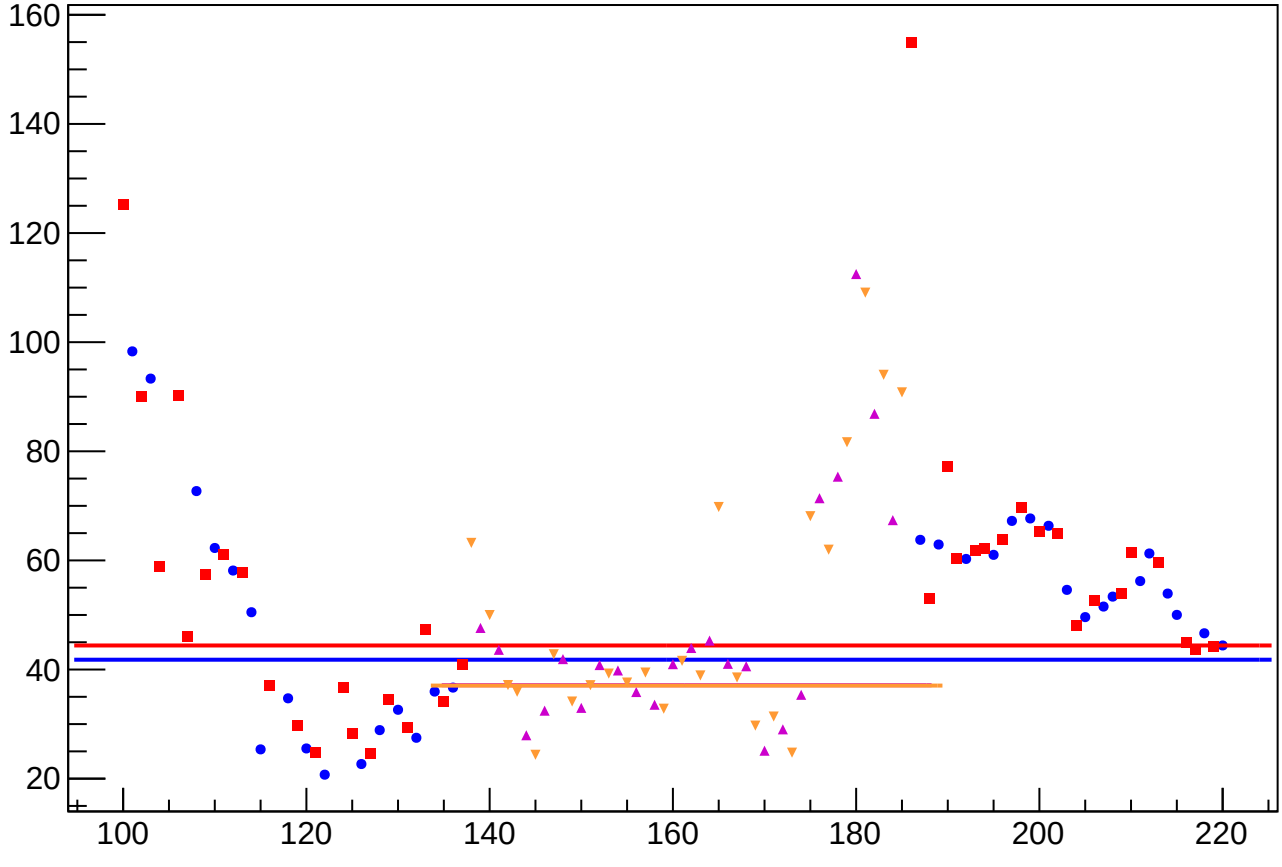
Right: -0.024+/-0.007 χ^2/NDF: 237.3/69

In: -0.004+/-0.007 χ^2/NDF:72.8/55

Out: -0.006+/-0.007 χ^2/NDF:218.1/61

All: -0.005+/-0.005 χ^2/NDF: 290.9/117

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.800+/-0.007 χ^2/NDF: 5355713.8/32

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

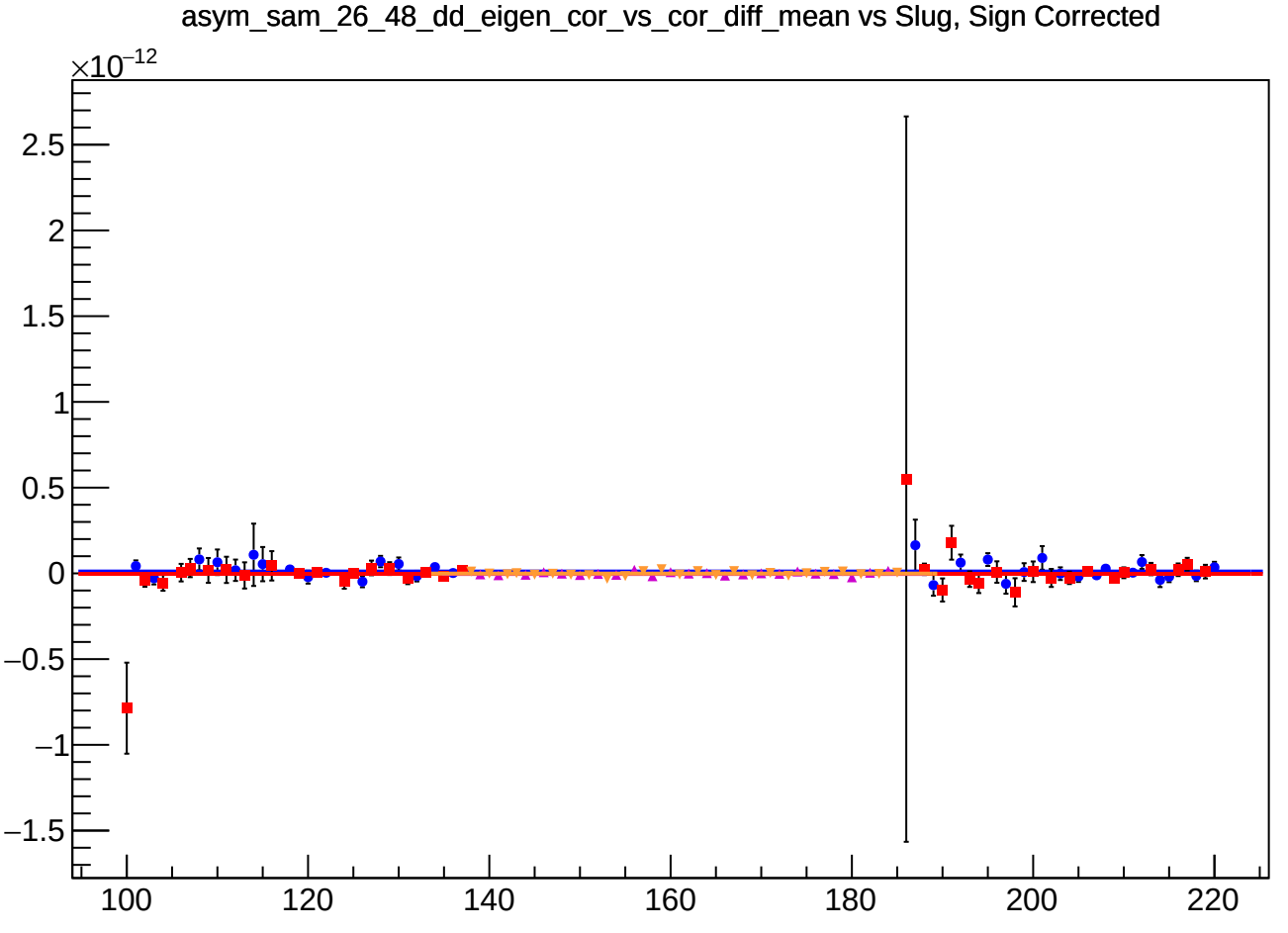
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 43.050+/-0.005 χ^2/NDF: 10009631.9/69

In: 39.343+/-0.005 χ^2/NDF:8604088.4/55

Out: 40.292+/-0.005 χ^2/NDF:9211772.5/61

All: 39.815+/-0.003 χ^2/NDF: 17835284.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 35.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

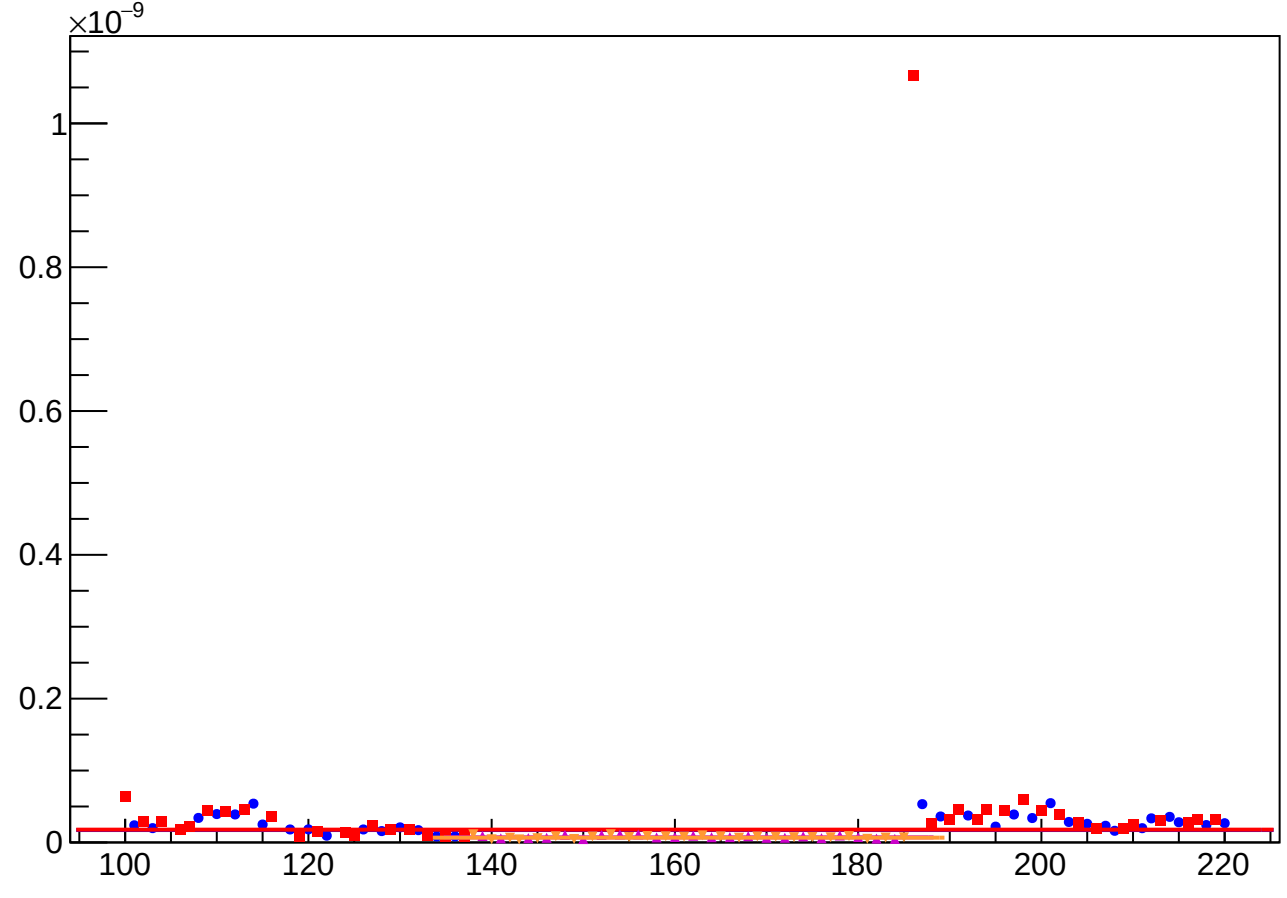
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 70.7/69

In: -0.000+/-0.000 χ^2/NDF:61.7/55

Out: -0.000+/-0.000 χ^2/NDF:58.5/61

All: -0.000+/-0.000 χ^2/NDF: 120.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 6684375.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8388985.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

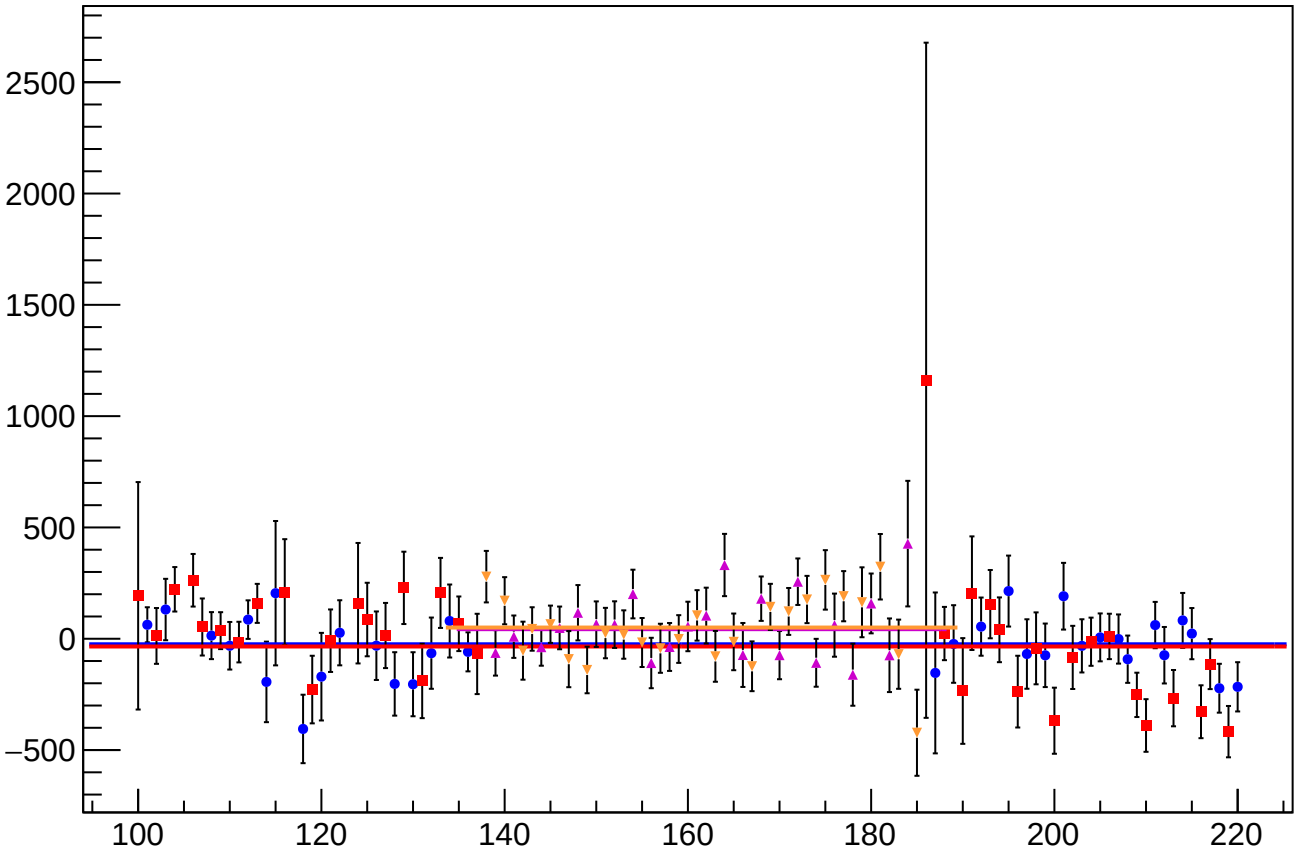
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15082687.5/69

In: 0.000+/-0.000 χ^2/NDF:14806512.0/55

Out: 0.000+/-0.000 χ^2/NDF:17831837.4/61

All: 0.000+/-0.000 χ^2/NDF: 32730786.8/117



Right In: -24.849+/-21.895 χ^2/NDF: 29.7/32

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -34.788+/-21.704 χ^2/NDF: 75.8/36

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

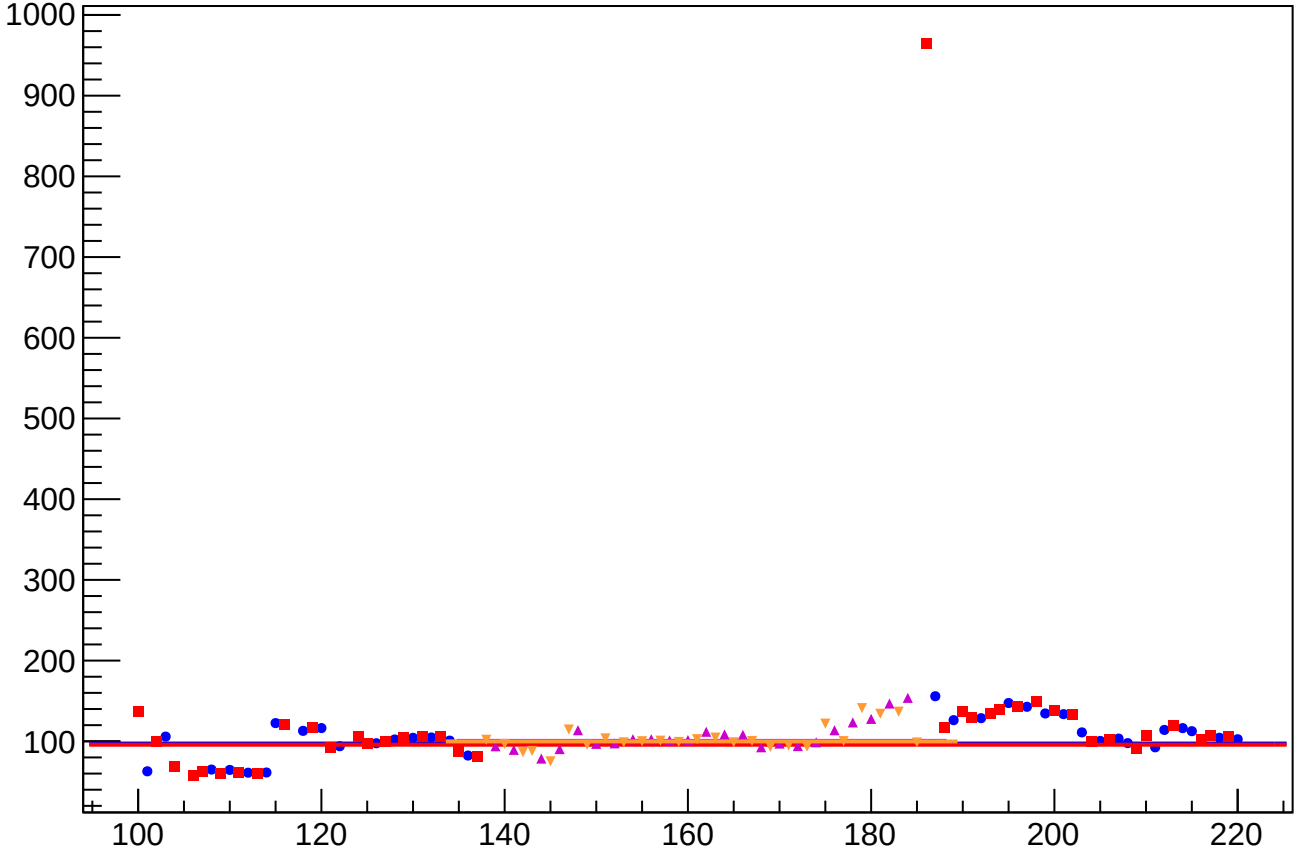
Right: -29.862+/-15.414 χ^2/NDF: 105.7/69

In: 6.322+/-16.100 χ^2/NDF:60.8/55

Out: 5.376+/-15.771 χ^2/NDF:116.5/61

All: 5.839+/-11.267 χ^2/NDF: 177.3/117

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 97.212+/-0.015 χ^2/NDF: 2331028.6/32

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 95.758+/-0.015 χ^2/NDF: 3584528.3/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

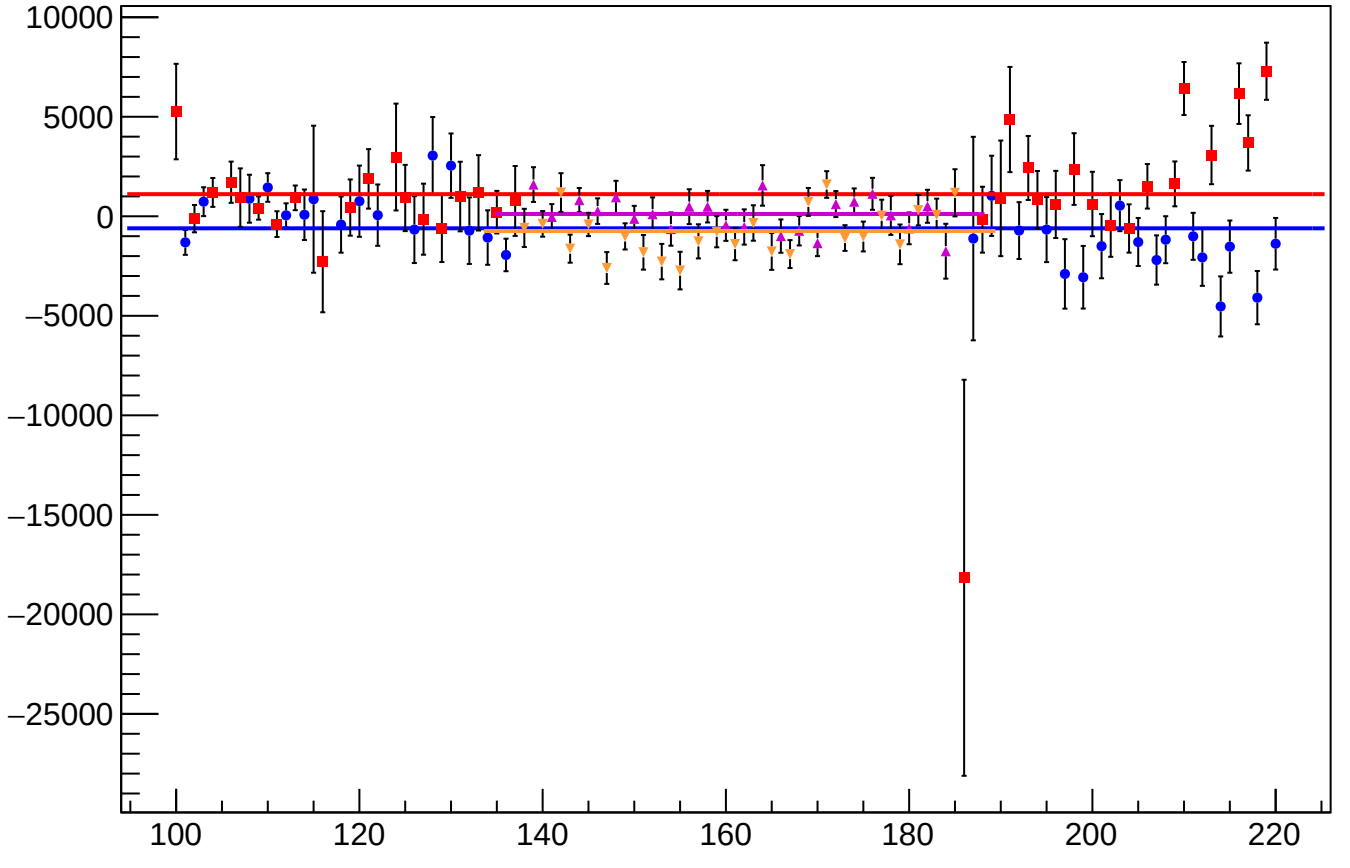
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 96.479+/-0.011 χ^2/NDF: 5920006.1/69

In: 98.721+/-0.011 χ^2/NDF:3008560.3/55

Out: 97.684+/-0.011 χ^2/NDF:4315661.1/61

All: 98.192+/-0.008 χ^2/NDF: 7328456.7/117



Right In: -604.121+/-206.488 χ^2/NDF: 50.6/32

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 1111.304+/-199.015 χ^2/NDF: 80.3/36

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

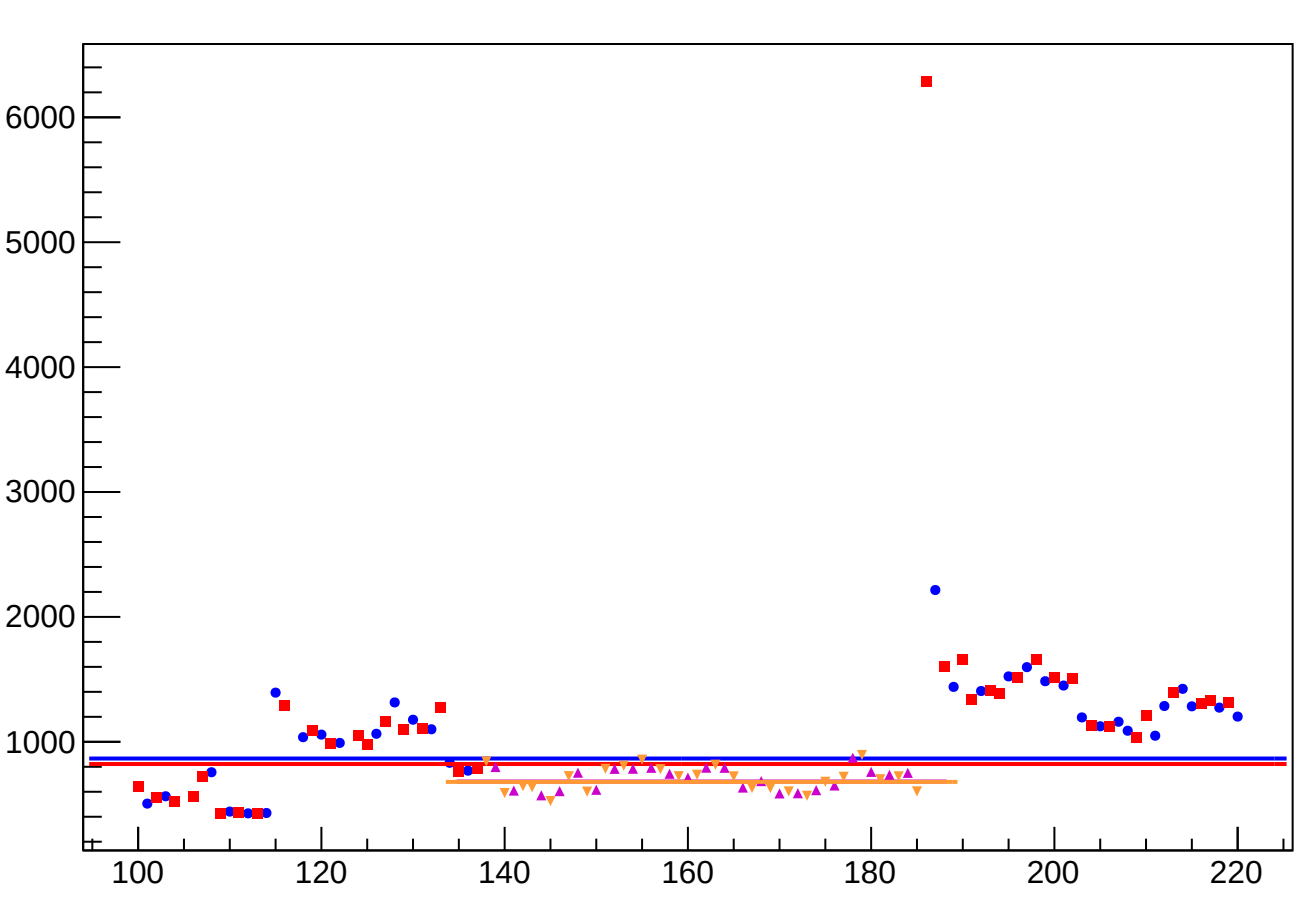
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 285.192+/-143.294 χ^2/NDF: 166.6/69

In: -156.472+/-126.962 χ^2/NDF:81.9/55

Out: -32.664+/-122.928 χ^2/NDF:183.3/61

All: -92.570+/-88.315 χ^2/NDF: 265.7/117



Right In: 866.121+/-0.146 χ^2/NDF: 6662889.4/32

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 822.098+/-0.141 χ^2/NDF: 8656813.9/36

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

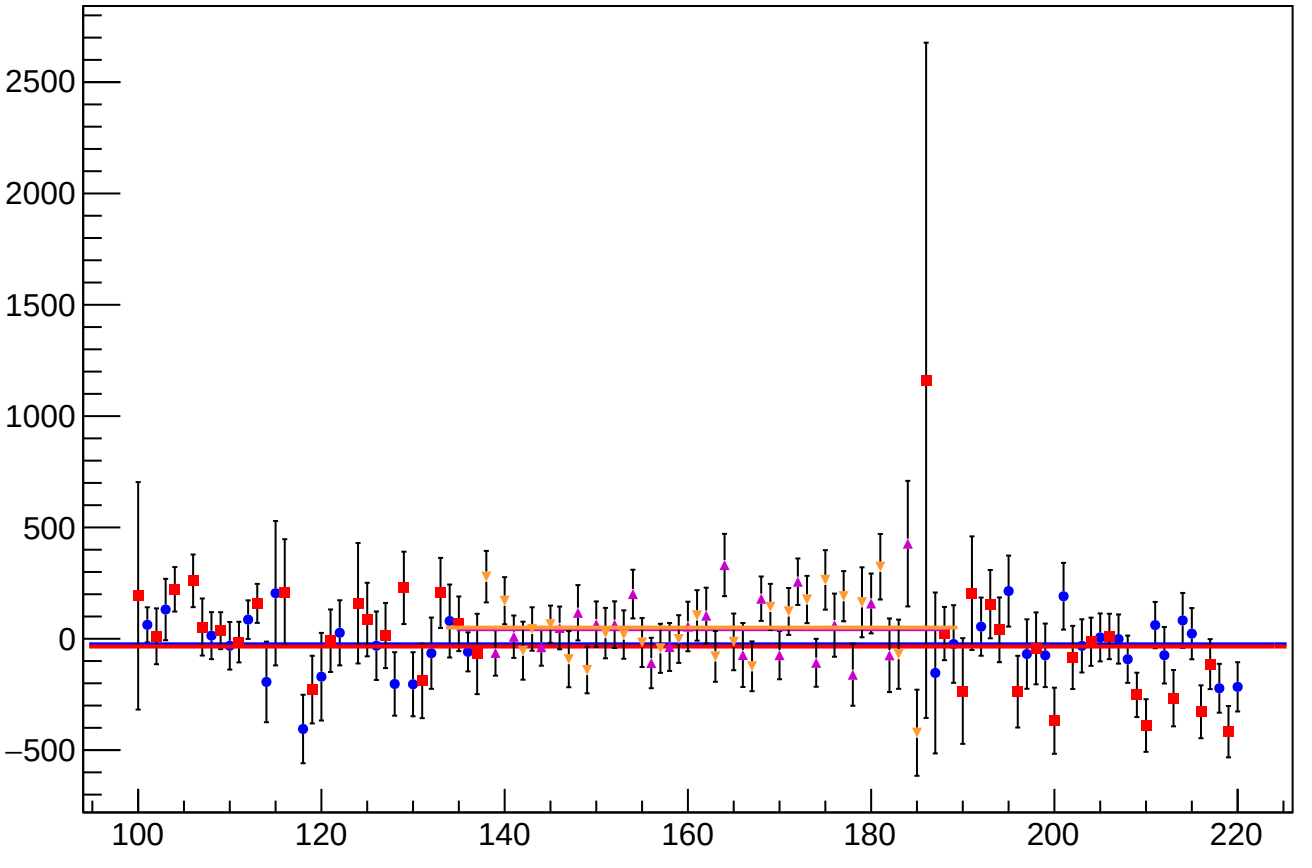
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 843.299+/-0.101 χ^2/NDF: 15366831.9/69

In: 751.542+/-0.090 χ^2/NDF:8226855.4/55

Out: 733.686+/-0.087 χ^2/NDF:10032433.9/61

All: 742.326+/-0.062 χ^2/NDF: 18279706.6/11



Right In: -24.851+/-21.895 χ^2/NDF: 29.7/32

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -34.931+/-21.704 χ^2/NDF: 75.7/36

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

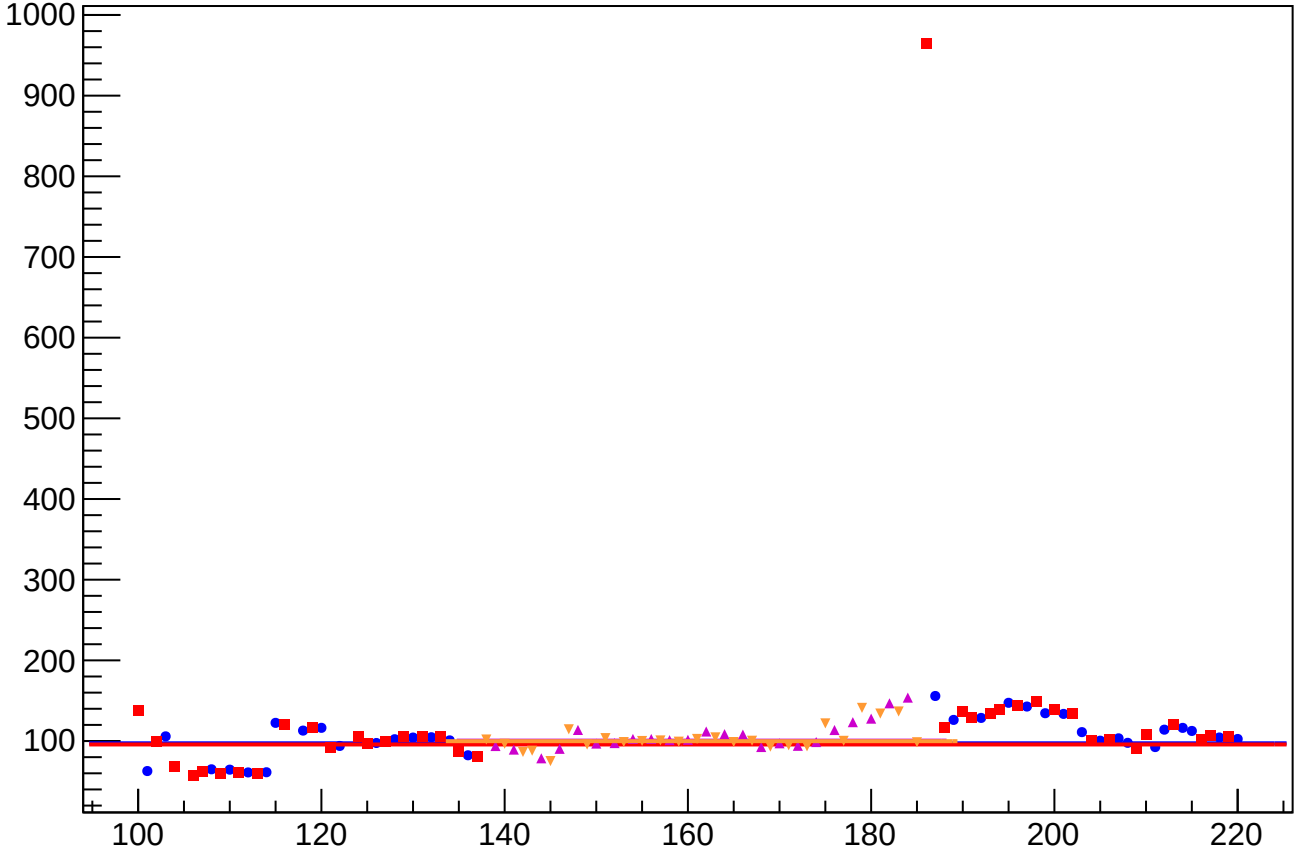
Right: -29.935+/-15.414 χ^2/NDF: 105.6/69

In: 6.322+/-16.100 χ^2/NDF:60.8/55

Out: 5.305+/-15.772 χ^2/NDF:116.4/61

All: 5.803+/-11.267 χ^2/NDF: 177.2/117

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 97.212+/-0.015 χ^2/NDF: 2331029.6/32

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

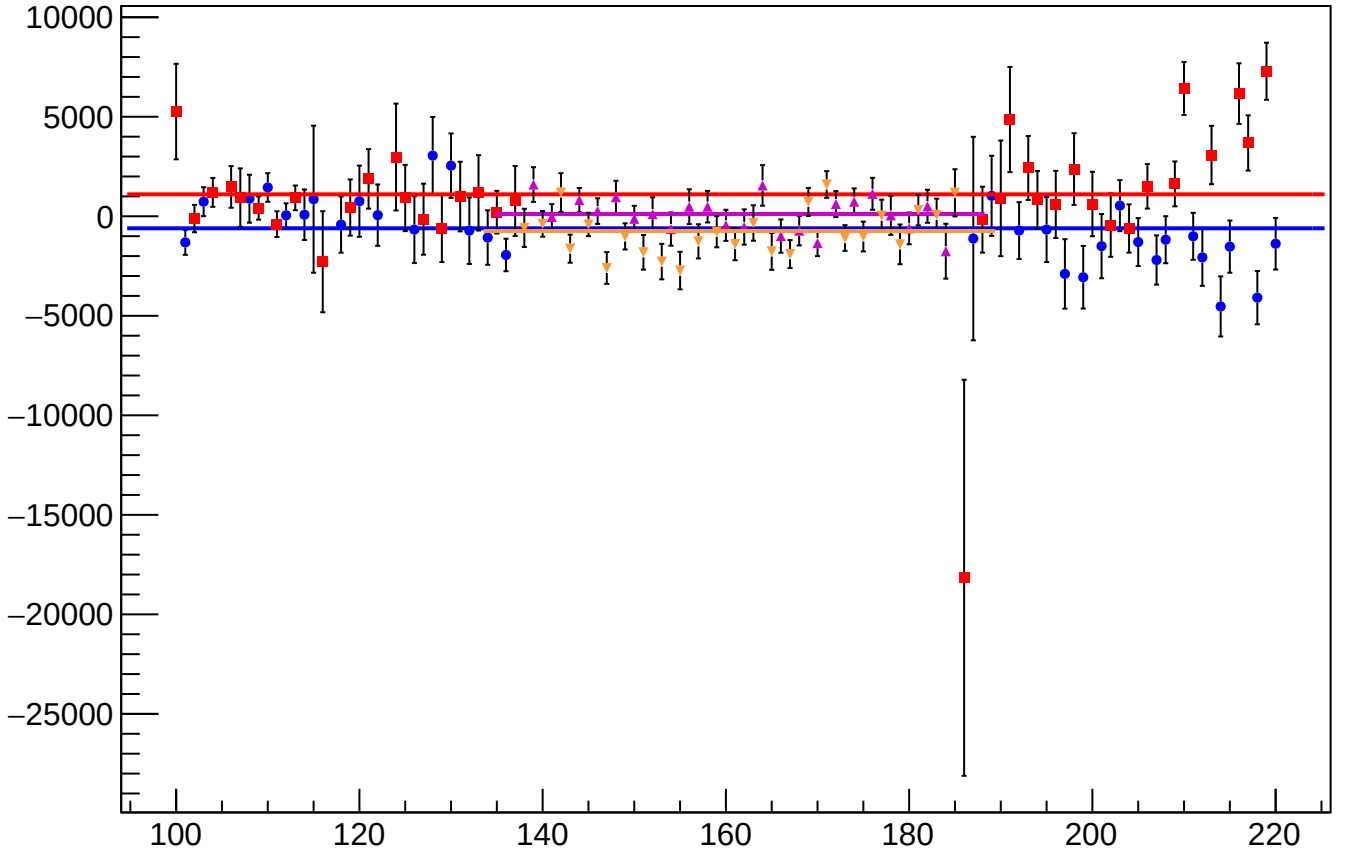
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 96.475+/-0.011 χ^2/NDF: 5923568.5/69

In: 98.721+/-0.011 χ^2/NDF:3008561.2/55

Out: 97.680+/-0.011 χ^2/NDF:4319310.2/61

All: 98.190+/-0.008 χ^2/NDF: 7332143.7/117



Right In: -604.146+/-206.489 χ^2/NDF: 50.6/32

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 1102.768+/-199.101 χ^2/NDF: 80.0/36

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

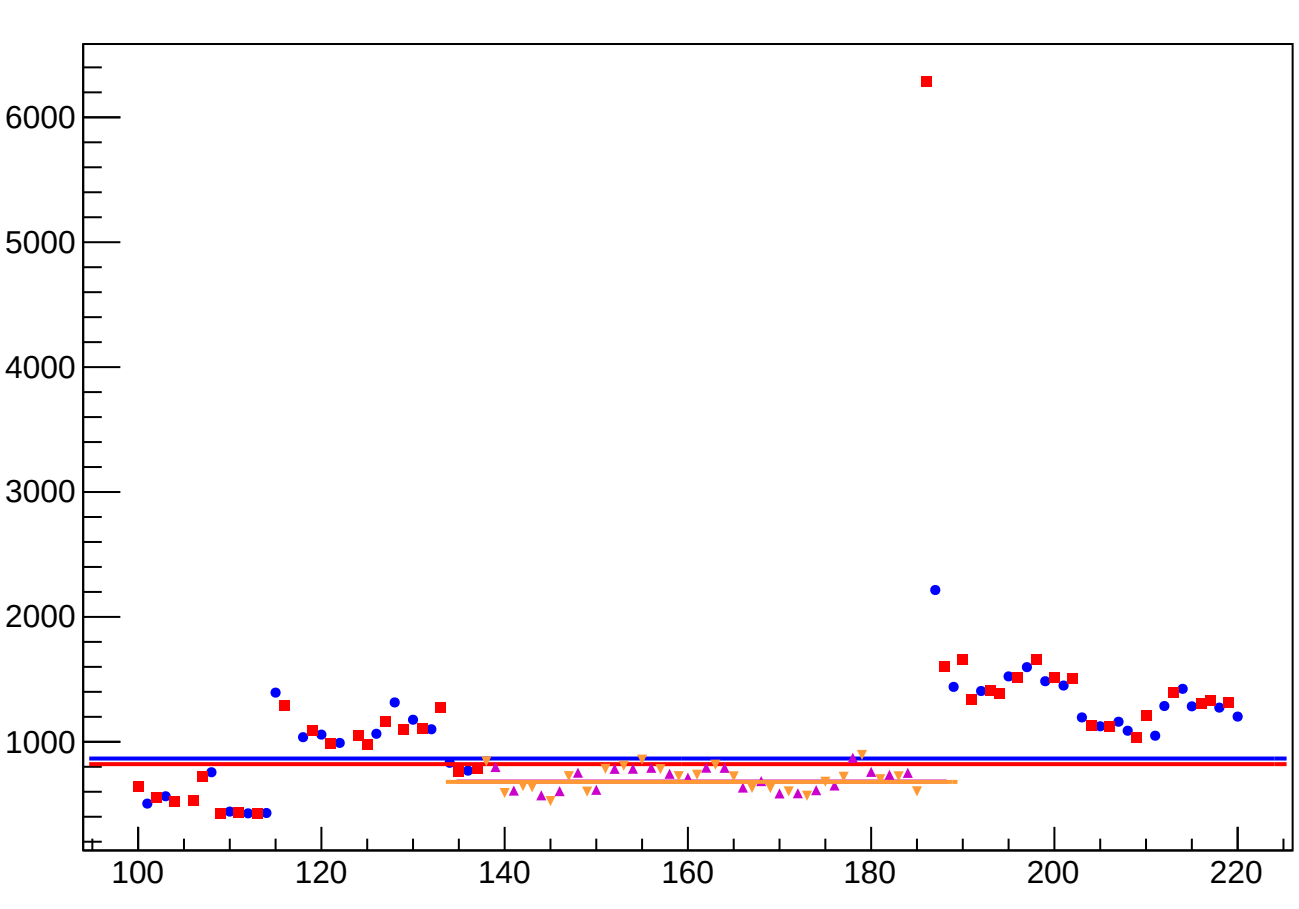
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 280.394+/-143.327 χ^2/NDF: 166.0/69

In: -156.479+/-126.962 χ^2/NDF:81.9/55

Out: -36.288+/-122.948 χ^2/NDF:182.6/61

All: -94.453+/-88.322 χ^2/NDF: 264.9/117



Right In: 866.131+/-0.146 χ^2/NDF: 6662691.5/32

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 821.120+/-0.141 χ^2/NDF: 8687552.9/36

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

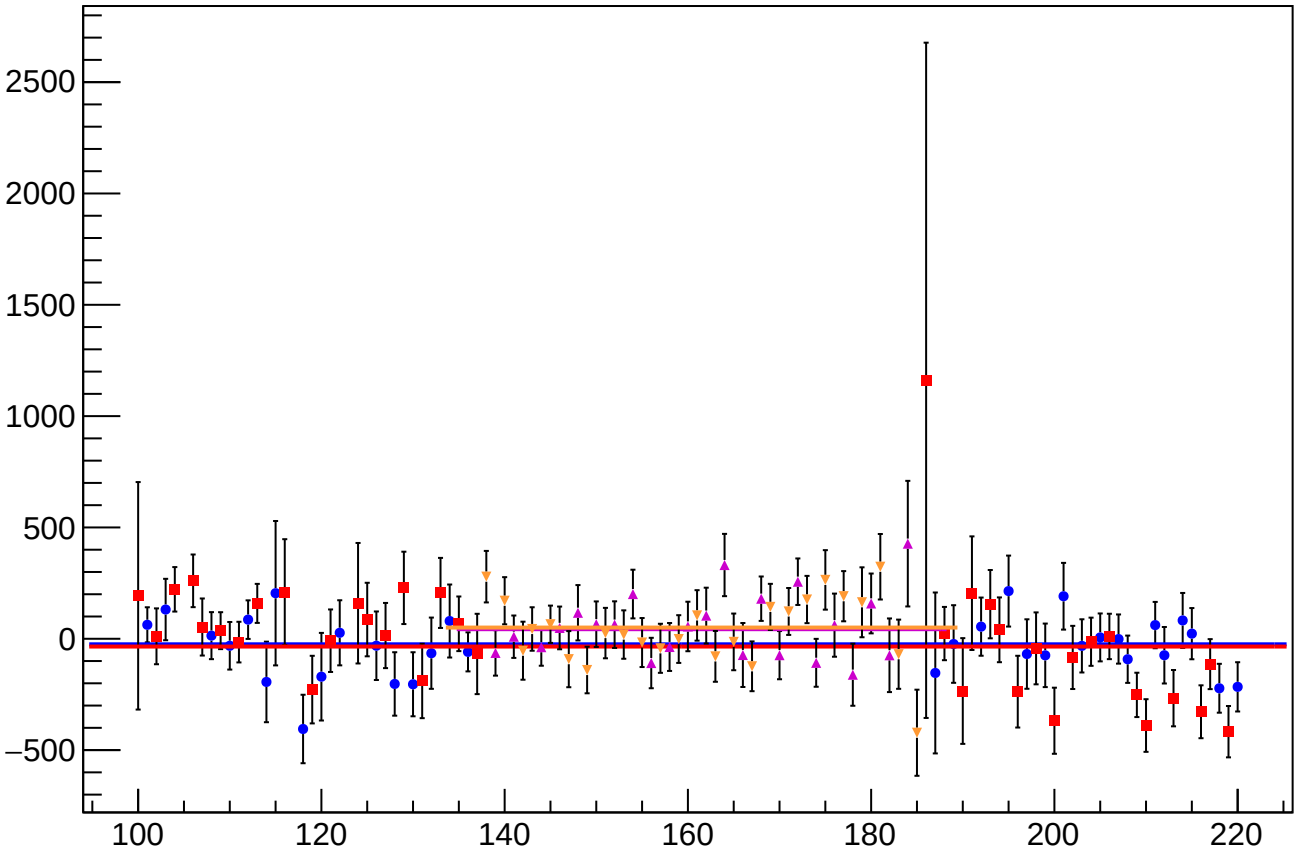
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

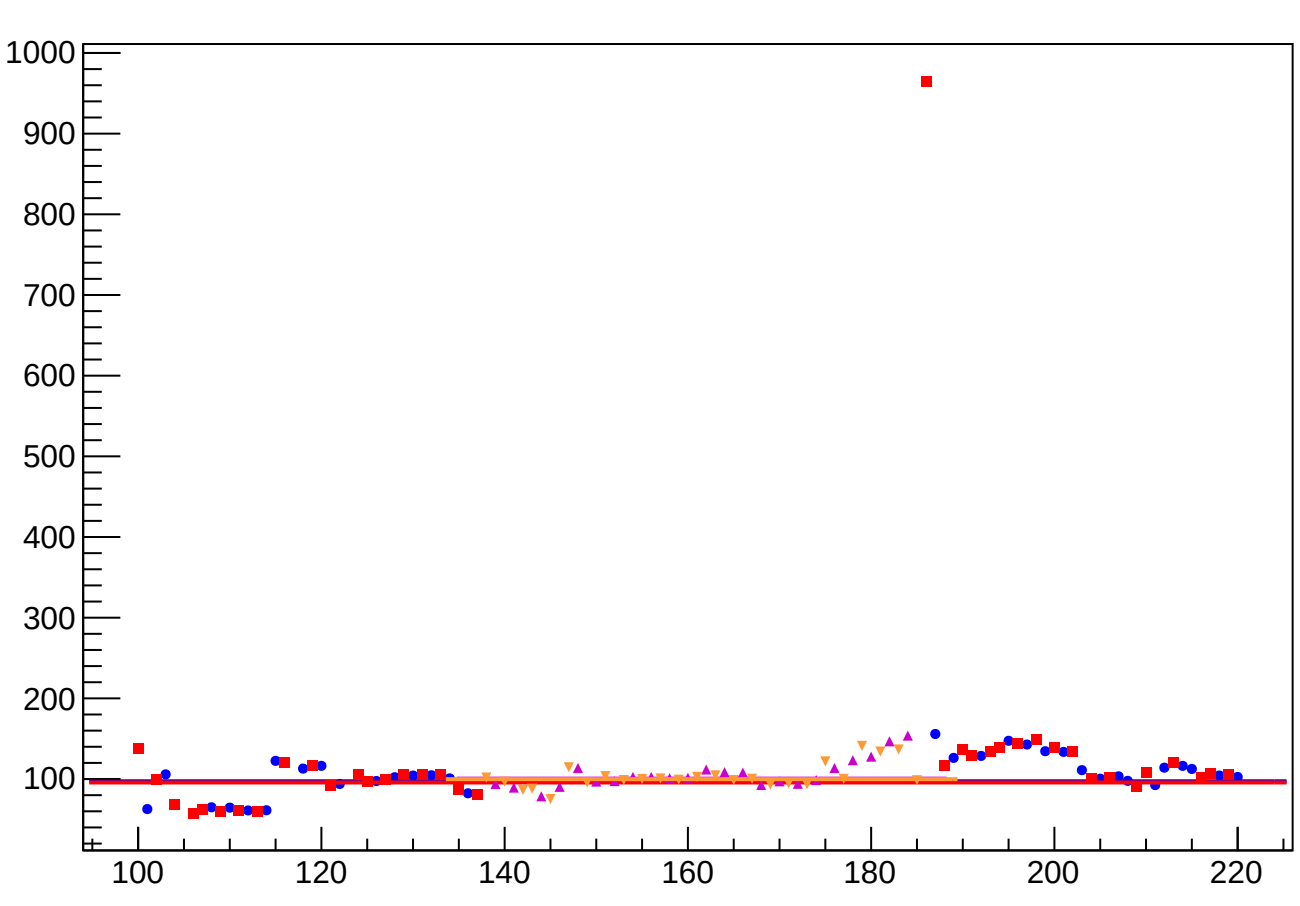
Right: 842.805+/-0.101 χ^2/NDF: 15399491.1/69

In: 751.545+/-0.090 χ^2/NDF:8226749.4/55

Out: 733.284+/-0.087 χ^2/NDF:10054128.0/61

All: 742.121+/-0.062 χ^2/NDF: 18302228.5/1


eigen_cor_asym_sam_1548_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
100
120
140
160
180
200
220
Right In: -24.851+/-21.895 χ²/NDF: 29.7/32
Left Out: 50.322+/-22.958 χ²/NDF:33.4/24
Right Out: -34.931+/-21.704 χ²/NDF: 75.7/36
Left In: 43.026+/-23.758 χ²/NDF:26.6/22
Left: 46.799+/-16.509 χ²/NDF: 60.1/47
Right: -29.935+/-15.414 χ²/NDF: 105.6/69
In: 6.322+/-16.100 χ²/NDF:60.8/55
Out: 5.305+/-15.772 χ²/NDF:116.4/61
All: 5.803+/-11.267 χ²/NDF: 177.2/117



Right In: 97.212+/-0.015 χ^2/NDF: 2331029.6/32

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

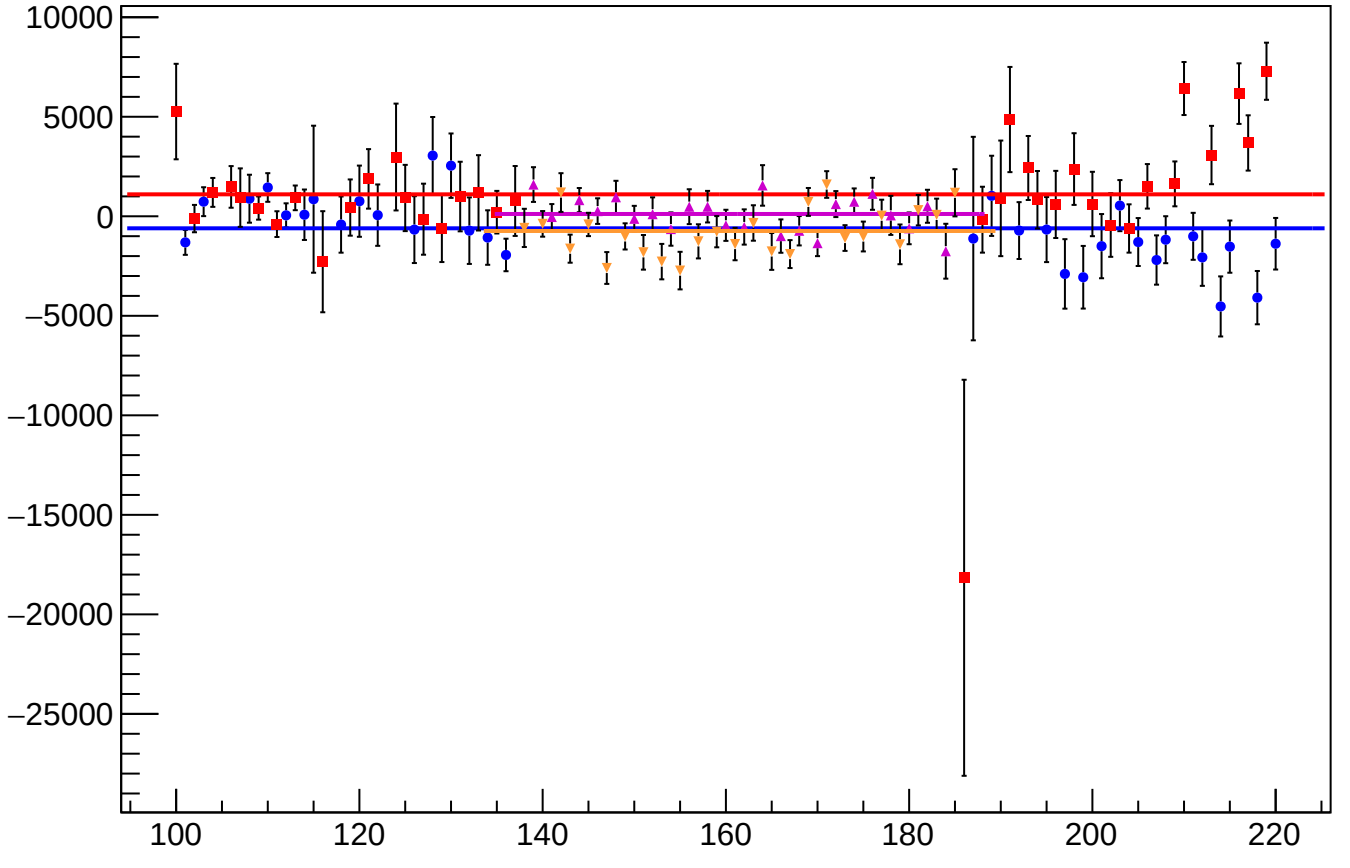
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 96.475+/-0.011 χ^2/NDF: 5923568.5/69

In: 98.721+/-0.011 χ^2/NDF:3008561.2/55

Out: 97.680+/-0.011 χ^2/NDF:4319310.2/61

All: 98.190+/-0.008 χ^2/NDF: 7332143.7/117



Right In: -604.146+/-206.489 χ^2/NDF: 50.6/32

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 1102.768+/-199.101 χ^2/NDF: 80.0/36

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

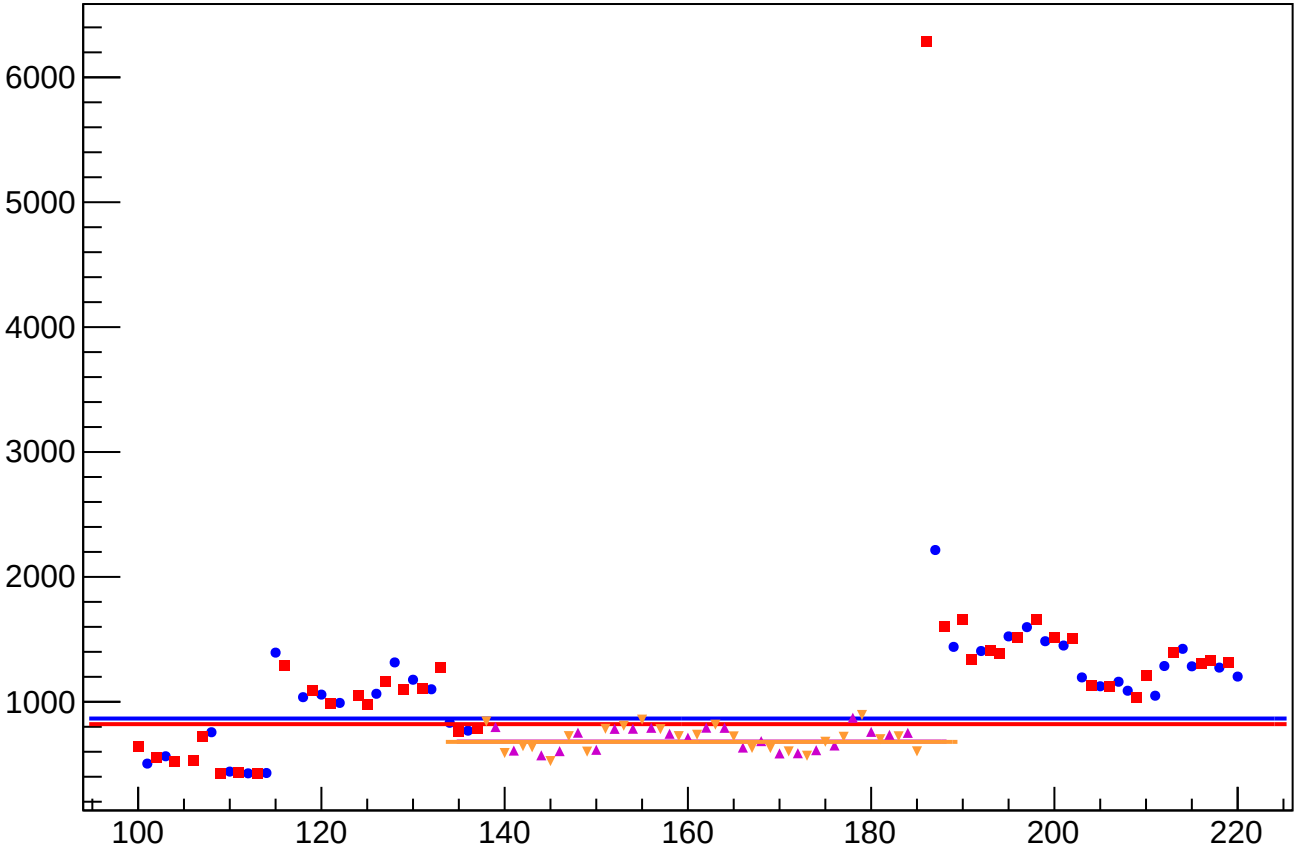
Right: 280.394+/-143.327 χ^2/NDF: 166.0/69

In: -156.479+/-126.962 χ^2/NDF:81.9/55

Out: -36.288+/-122.948 χ^2/NDF:182.6/61

All: -94.453+/-88.322 χ^2/NDF: 264.9/117

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 866.131+/-0.146 χ^2/NDF: 6662691.5/32

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 821.120+/-0.141 χ^2/NDF: 8687552.9/36

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

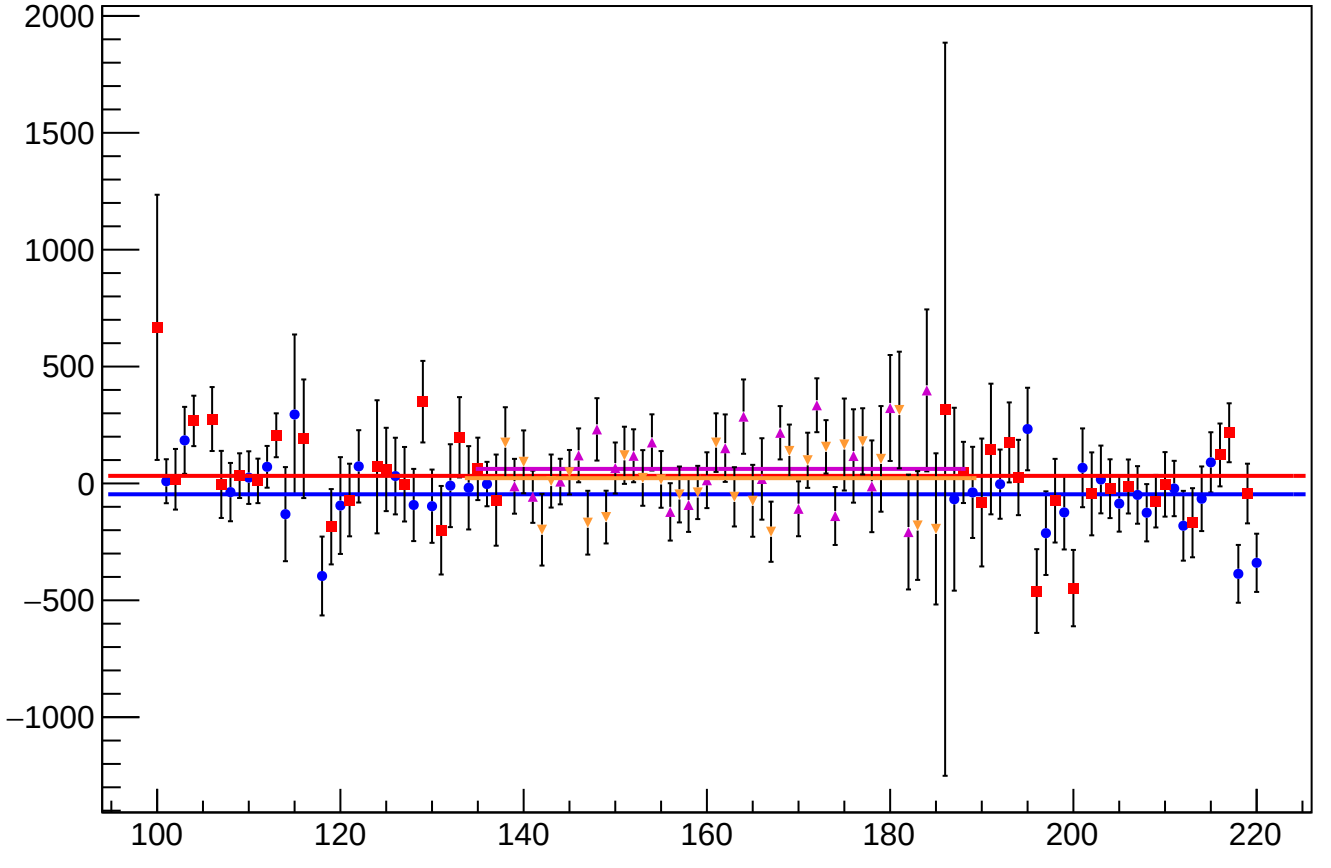
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 842.805+/-0.101 χ^2/NDF: 15399491.1/69

In: 751.545+/-0.090 χ^2/NDF:8226749.4/55

Out: 733.284+/-0.087 χ^2/NDF:10054128.0/61

All: 742.121+/-0.062 χ^2/NDF: 18302228.5/1



Right In: -46.421+/-24.380 χ^2/NDF: 31.9/32

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 32.365+/-24.088 χ^2/NDF: 45.5/36

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

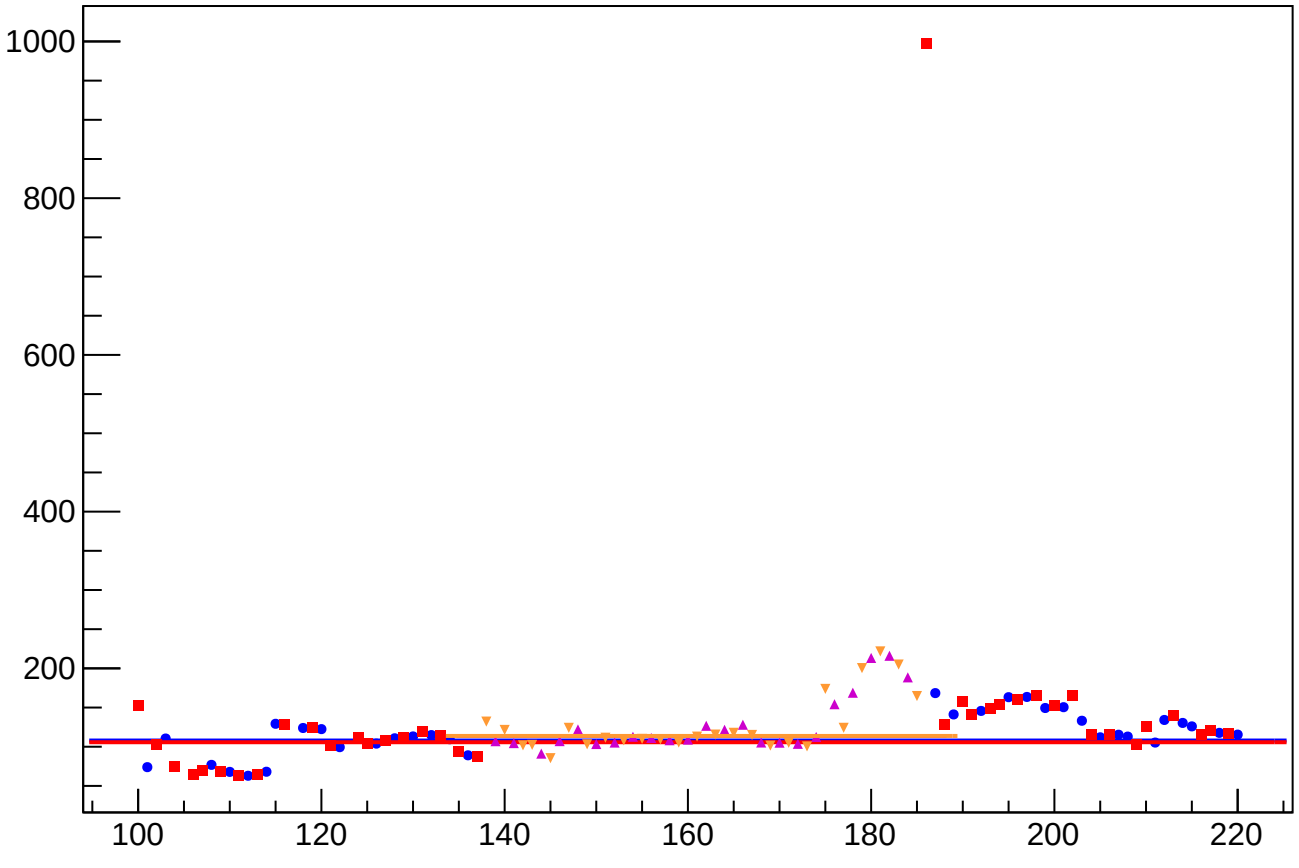
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: -6.552+/-17.135 χ^2/NDF: 82.7/69

In: 1.683+/-18.196 χ^2/NDF:68.0/55

Out: 27.947+/-17.868 χ^2/NDF:67.2/61

All: 15.054+/-12.749 χ^2/NDF: 136.2/117



Right In: 107.898+/-0.017 χ^2/NDF: 2489079.4/32

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 105.740+/-0.017 χ^2/NDF: 3821603.0/36

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

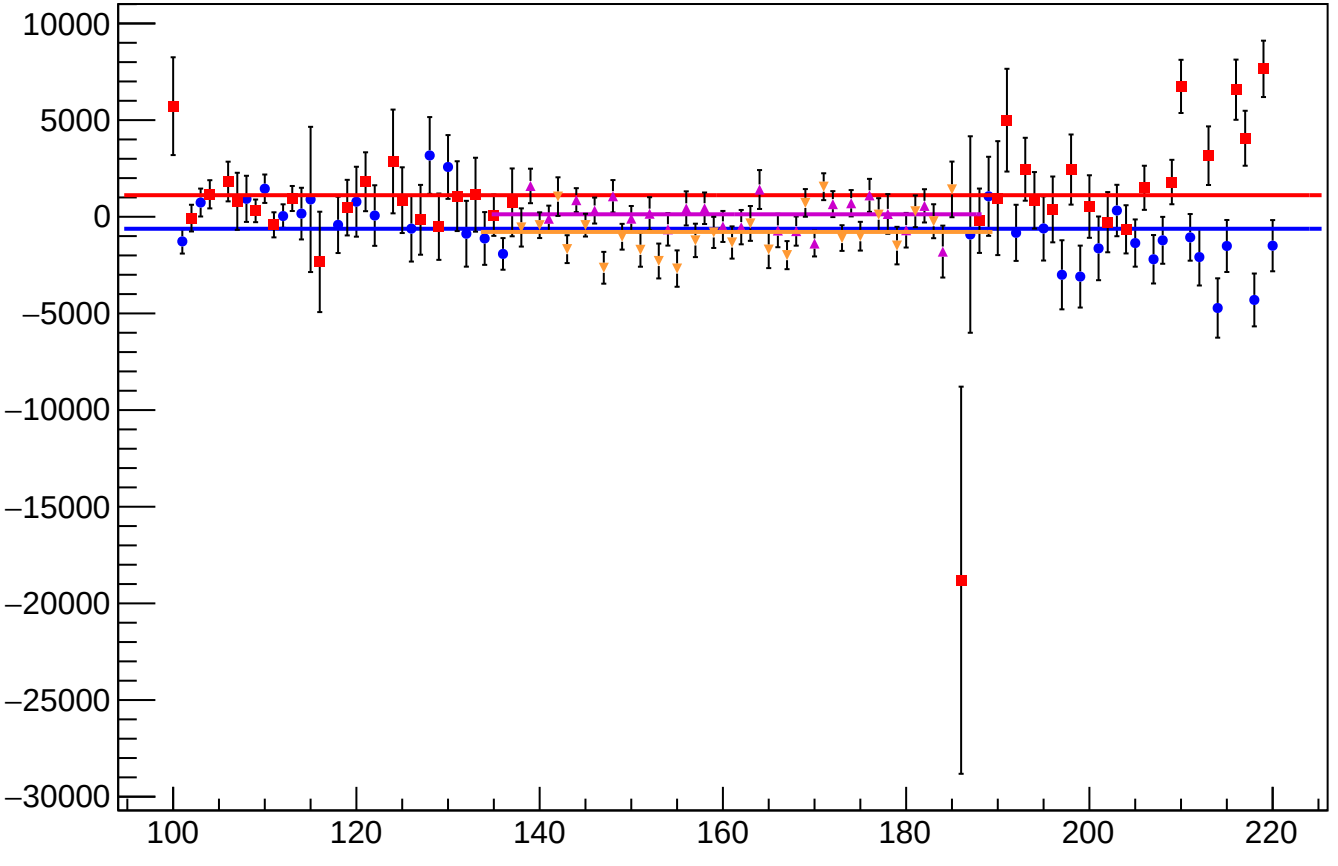
Right: 106.806+/-0.012 χ^2/NDF: 6318611.6/69

In: 110.458+/-0.013 χ^2/NDF:3854902.8/55

Out: 109.350+/-0.013 χ^2/NDF:5501396.2/61

All: 109.894+/-0.009 χ^2/NDF: 9360075.1/117

asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -620.513+/-209.297 χ^2/NDF: 51.1/32

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 1116.177+/-201.581 χ^2/NDF: 86.1/36

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

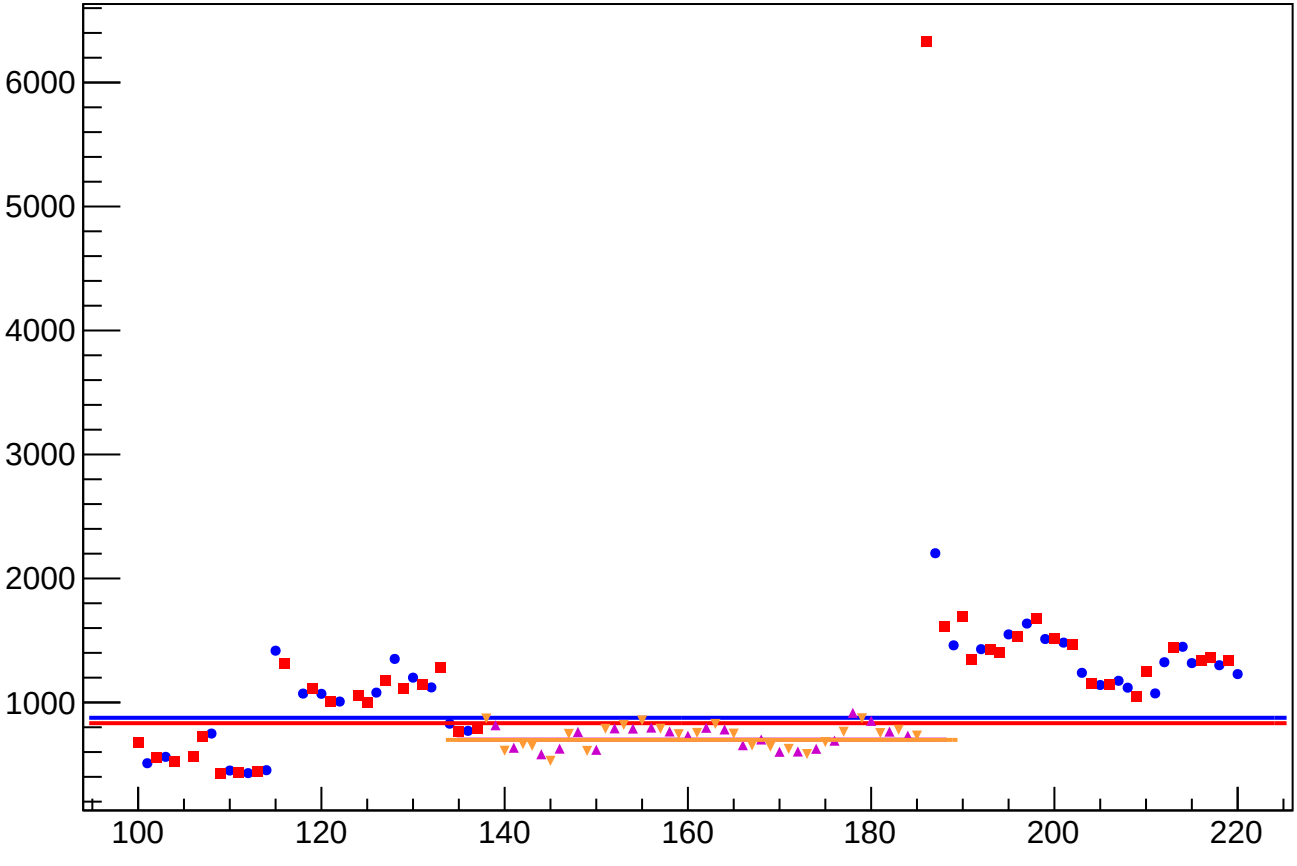
Right: 280.434+/-145.190 χ^2/NDF: 173.0/69

In: -159.348+/-129.700 χ^2/NDF:81.7/55

Out: -47.038+/-125.553 χ^2/NDF:185.9/61

All: -101.369+/-90.210 χ^2/NDF: 268.1/117

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 876.381+/-0.148 χ^2/NDF: 6809421.3/32

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 832.752+/-0.143 χ^2/NDF: 8683270.9/36

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

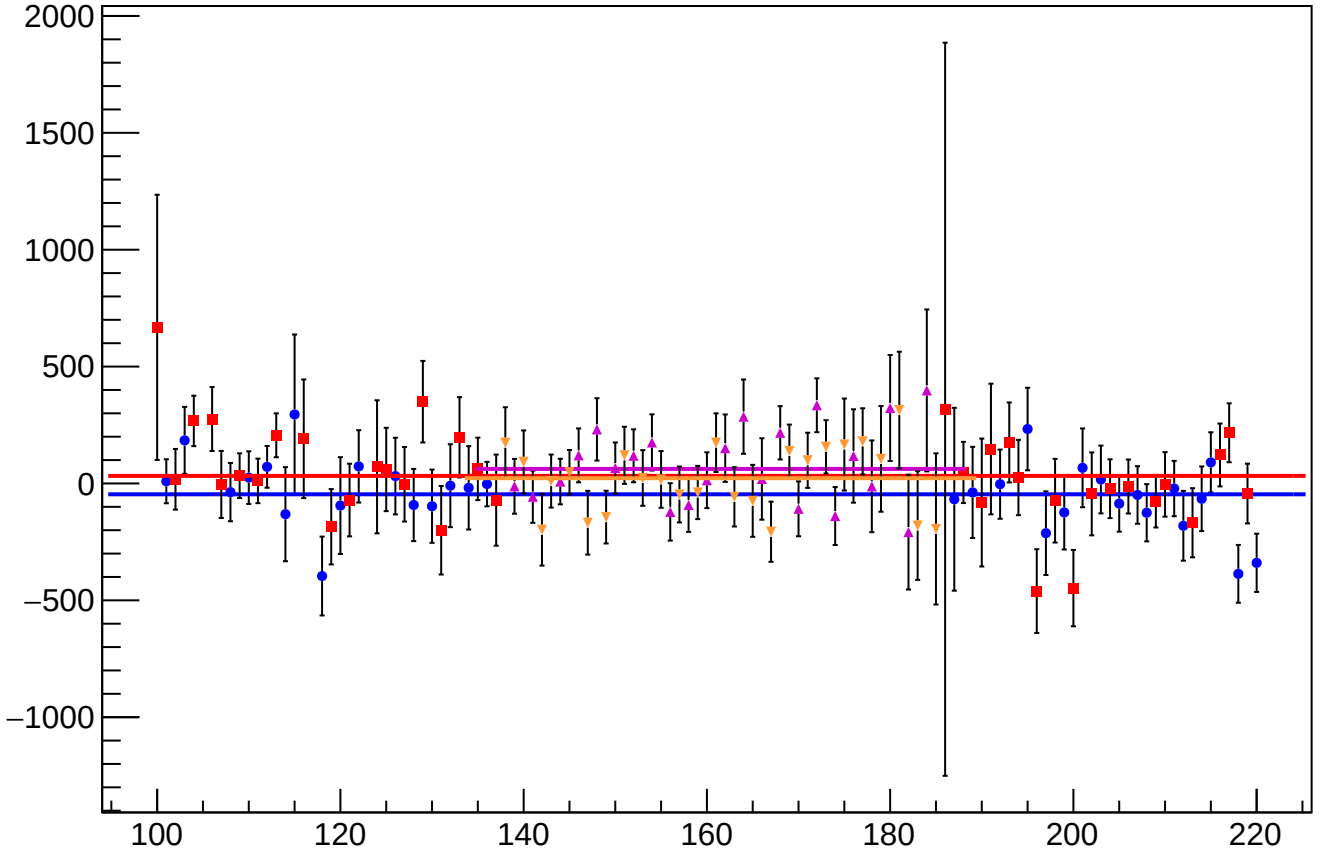
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 853.748+/-0.103 χ^2/NDF: 15537776.1/69

In: 767.782+/-0.092 χ^2/NDF:8267888.9/55

Out: 750.420+/-0.089 χ^2/NDF:9943058.2/61

All: 758.819+/-0.064 χ^2/NDF: 18229450.0/1



Right In: -46.419+/-24.380 χ^2/NDF: 31.9/32

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 32.362+/-24.088 χ^2/NDF: 45.5/36

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

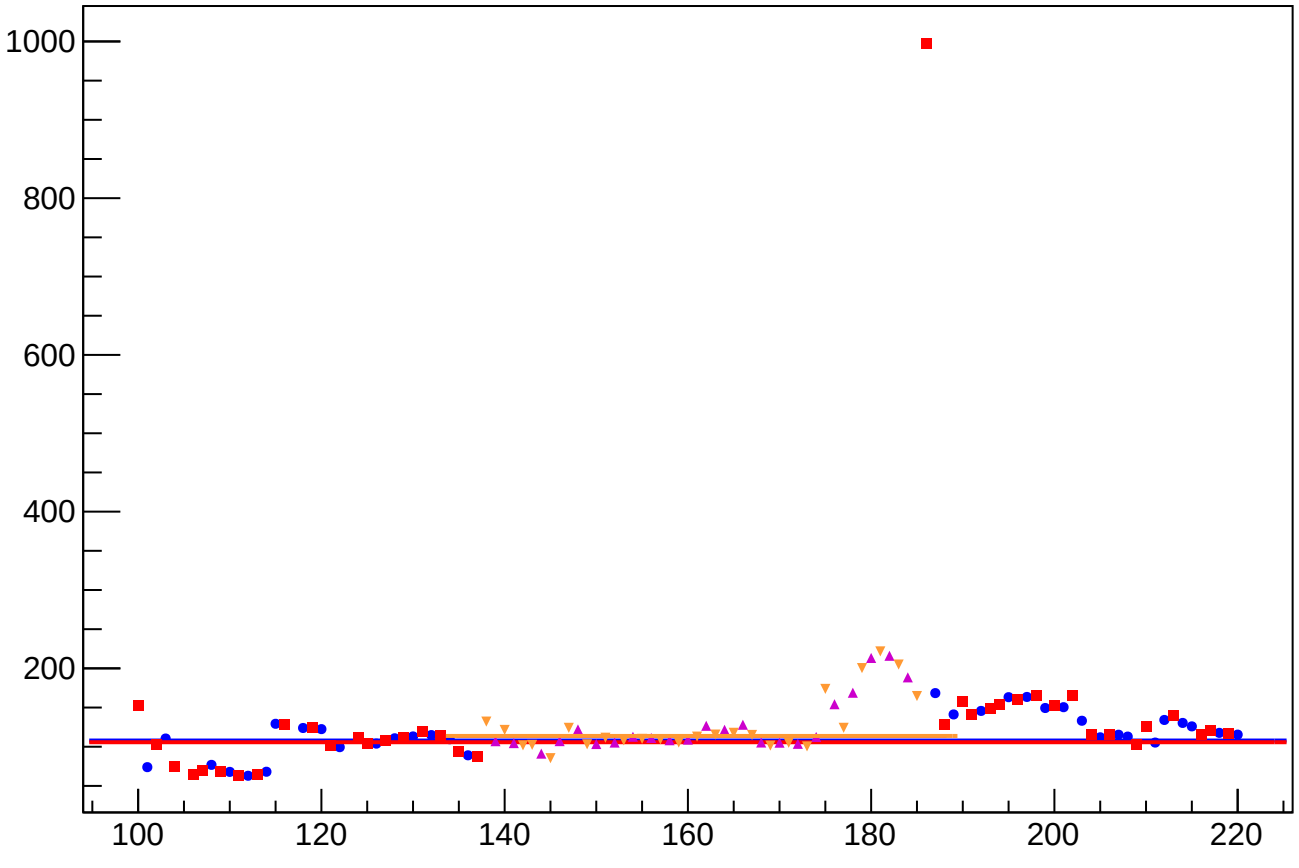
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: -6.553+/-17.135 χ^2/NDF: 82.7/69

In: 1.684+/-18.196 χ^2/NDF:68.0/55

Out: 27.946+/-17.868 χ^2/NDF:67.2/61

All: 15.054+/-12.749 χ^2/NDF: 136.2/117



Right In: 107.898+/-0.017 χ^2/NDF: 2489057.1/32

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 105.740+/-0.017 χ^2/NDF: 3821599.0/36

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

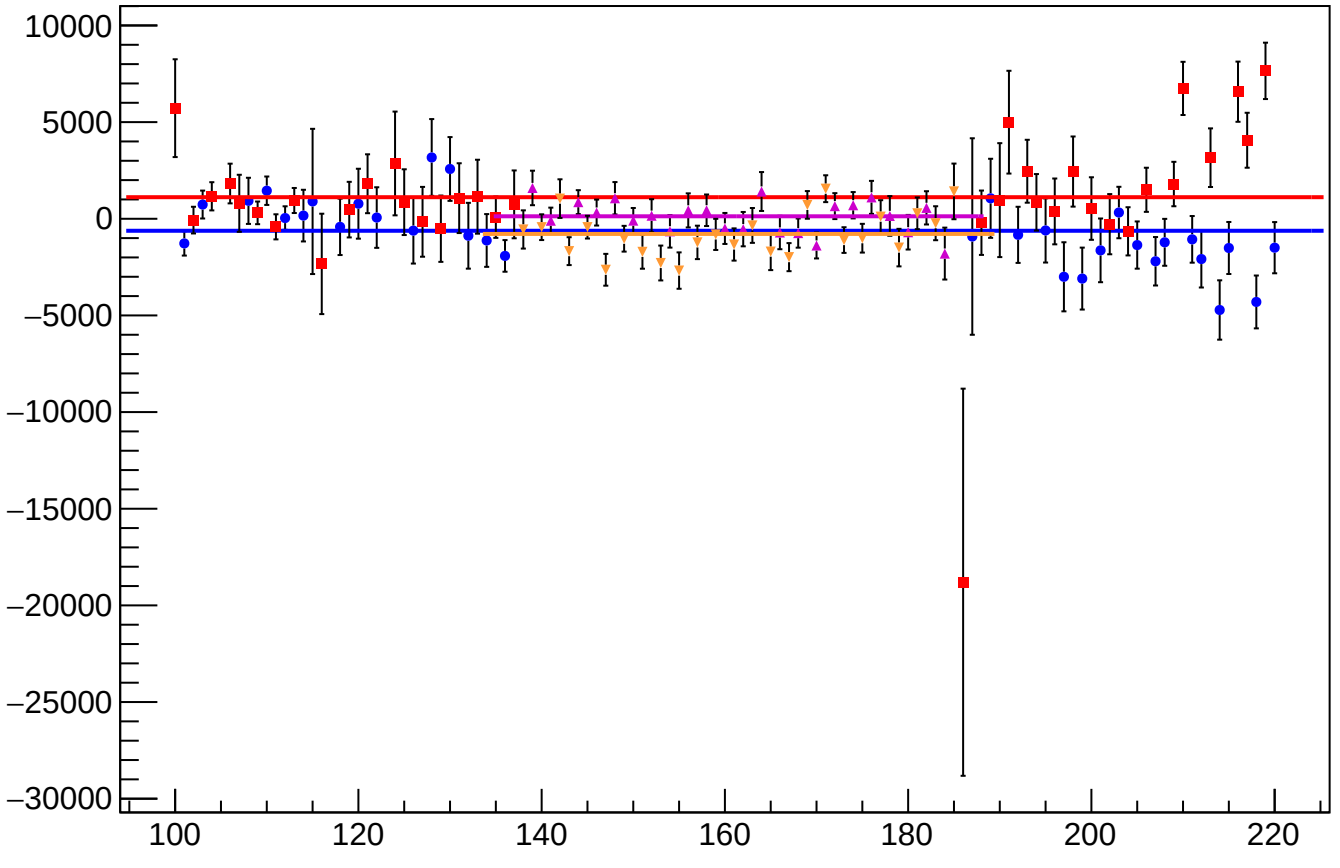
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 106.806+/-0.012 χ^2/NDF: 6318585.3/69

In: 110.458+/-0.013 χ^2/NDF:3854864.3/55

Out: 109.350+/-0.013 χ^2/NDF:5501388.3/61

All: 109.894+/-0.009 χ^2/NDF: 9360028.8/117



Right In: -620.512+/-209.296 χ^2/NDF: 51.1/32

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 1116.175+/-201.580 χ^2/NDF: 86.1/36

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

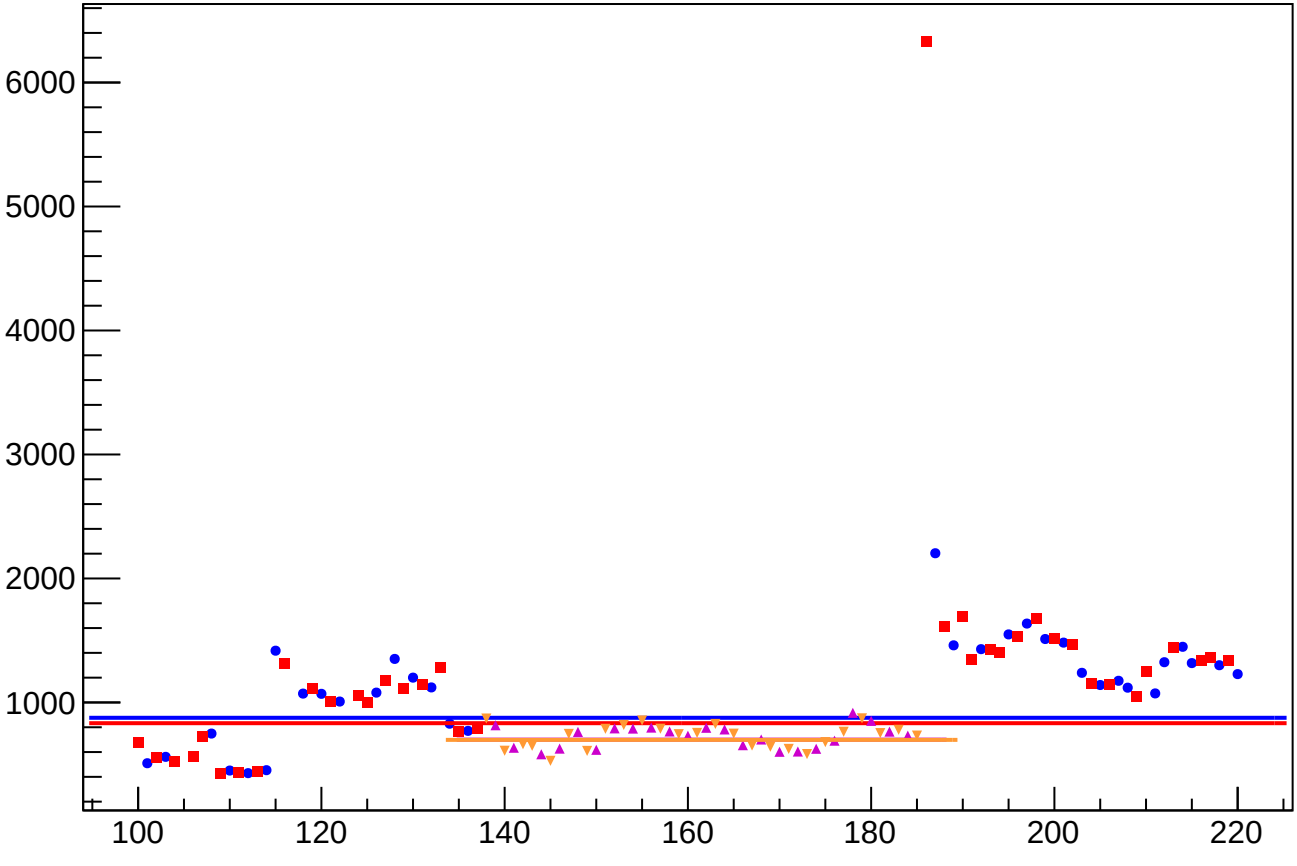
Right: 280.434+/-145.190 χ^2/NDF: 173.0/69

In: -159.348+/-129.699 χ^2/NDF:81.7/55

Out: -47.037+/-125.553 χ^2/NDF:185.9/61

All: -101.369+/-90.209 χ^2/NDF: 268.1/117

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 876.380+/-0.148 χ^2/NDF: 6809419.7/32

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 832.752+/-0.143 χ^2/NDF: 8683265.5/36

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

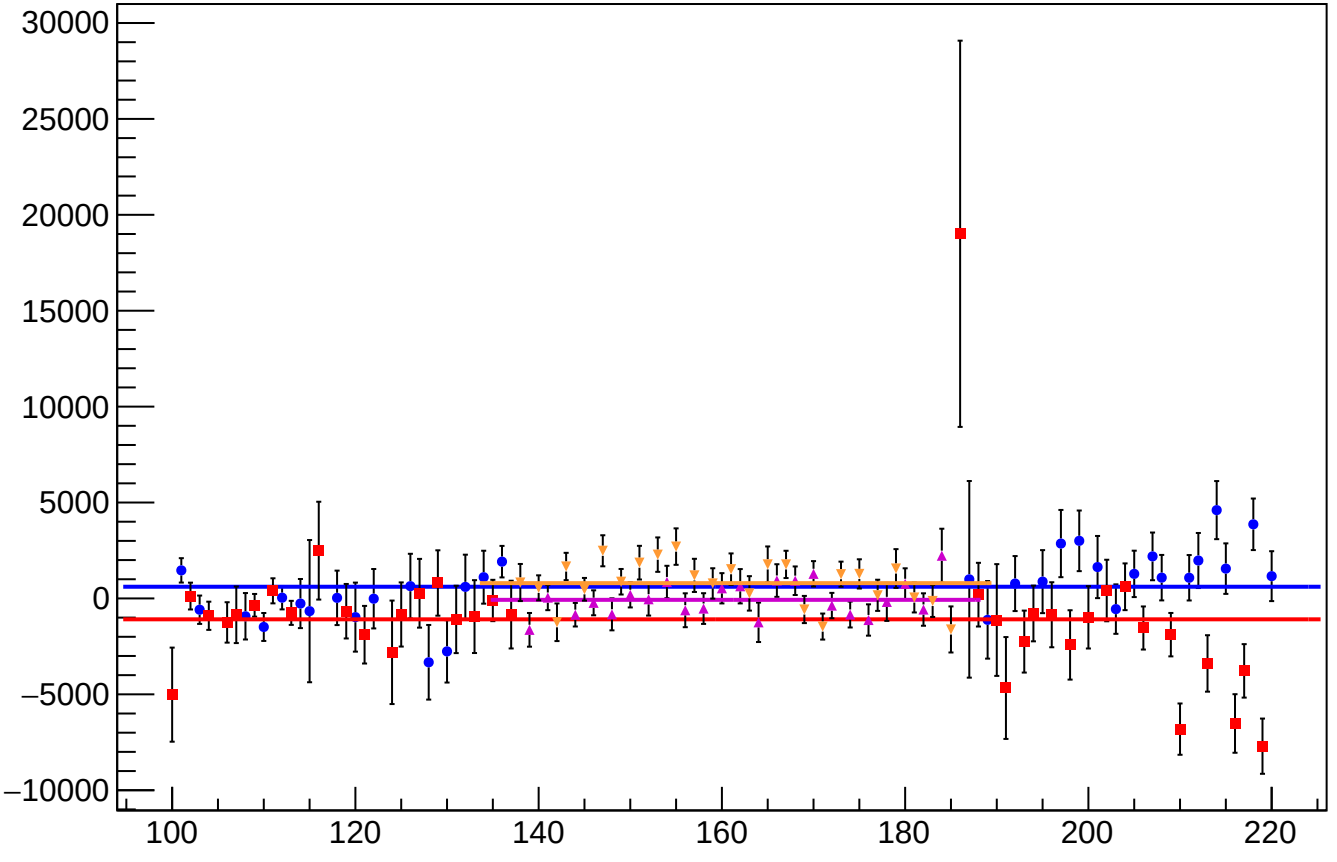
Right: 853.747+/-0.103 χ^2/NDF: 15537768.9/69

In: 767.782+/-0.092 χ^2/NDF:8267880.6/55

Out: 750.419+/-0.089 χ^2/NDF:9943051.2/61

All: 758.818+/-0.064 χ^2/NDF: 18229434.8/11

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 609.183+/-208.232 χ^2/NDF: 50.6/32

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -1089.444+/-200.780 χ^2/NDF: 87.4/36

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

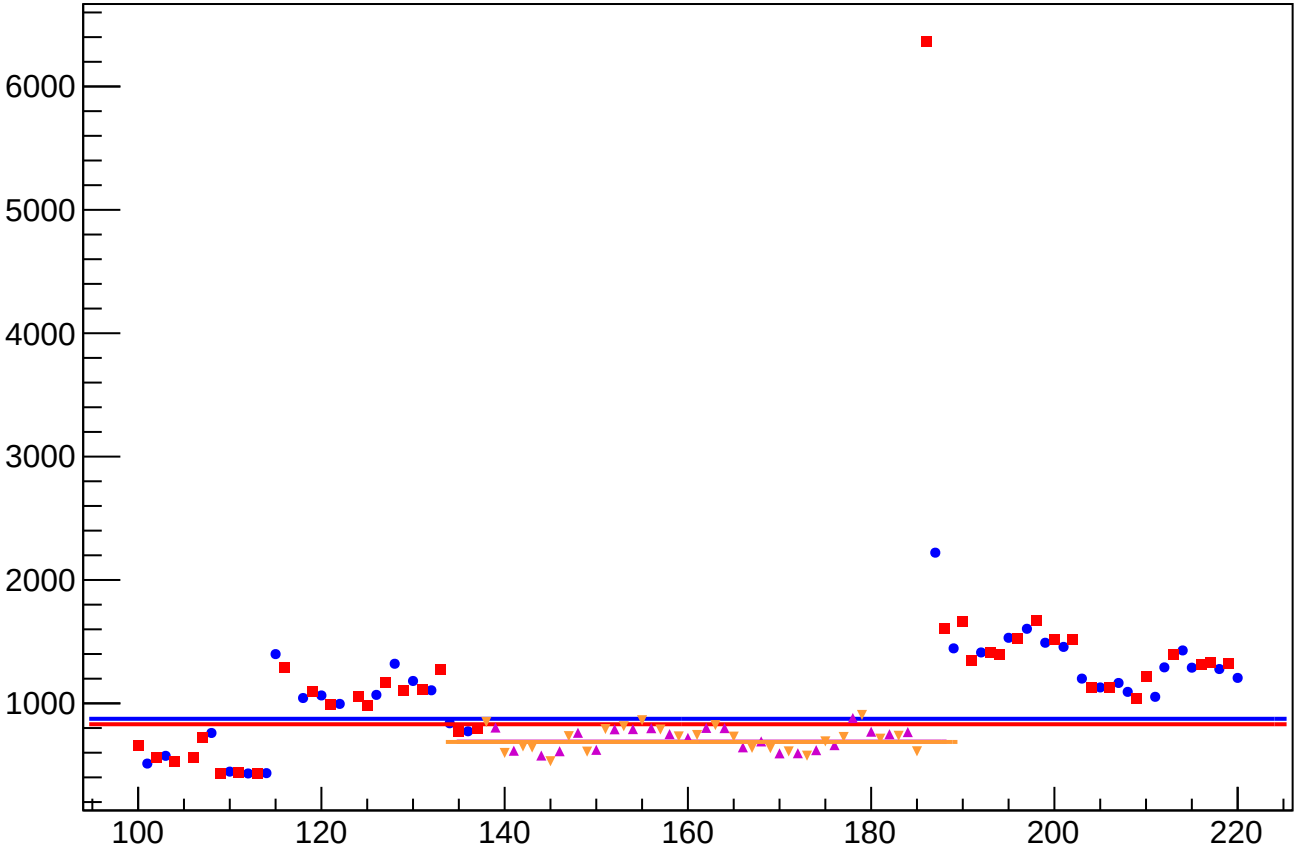
Right: -271.066+/-144.536 χ^2/NDF: 172.4/69

In: 185.640+/-128.294 χ^2/NDF:82.1/55

Out: 74.702+/-124.234 χ^2/NDF:188.2/61

All: 128.388+/-89.247 χ^2/NDF: 270.8/117

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 874.816+/-0.147 χ^2/NDF: 6546422.5/32

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 830.605+/-0.142 χ^2/NDF: 8540808.5/36

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

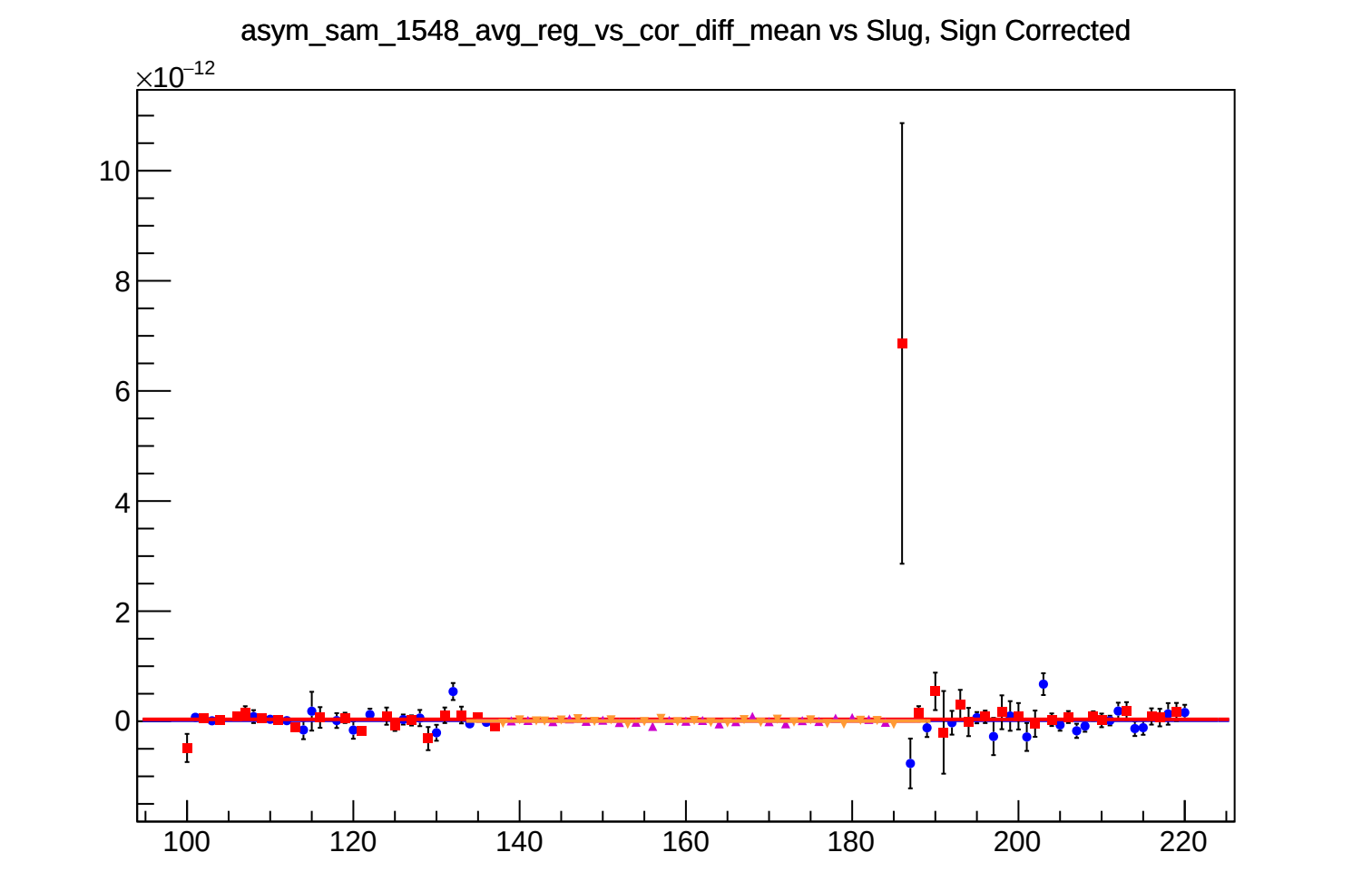
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 851.906+/-0.102 χ^2/NDF: 15133950.9/69

In: 760.153+/-0.091 χ^2/NDF:8090994.4/55

Out: 742.130+/-0.088 χ^2/NDF:9898083.1/61

All: 750.852+/-0.063 χ^2/NDF: 18009446.0/1



Right In: 0.000+/-0.000 χ^2/NDF: 49.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/36

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

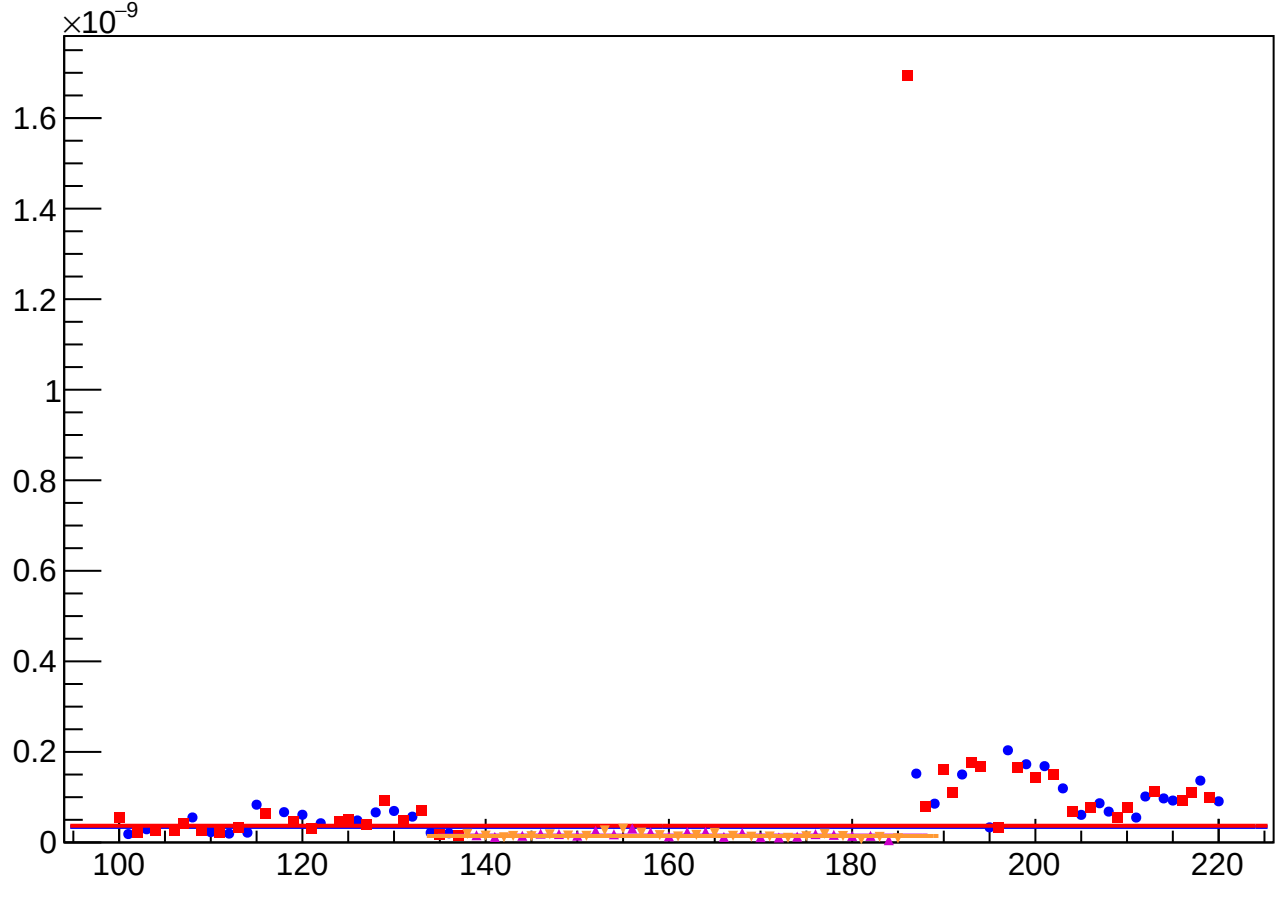
Right: 0.000+/-0.000 χ^2/NDF: 87.2/69

In: 0.000+/-0.000 χ^2/NDF:76.9/55

Out: 0.000+/-0.000 χ^2/NDF:62.2/61

All: 0.000+/-0.000 χ^2/NDF: 139.1/117

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7777960.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6944469.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

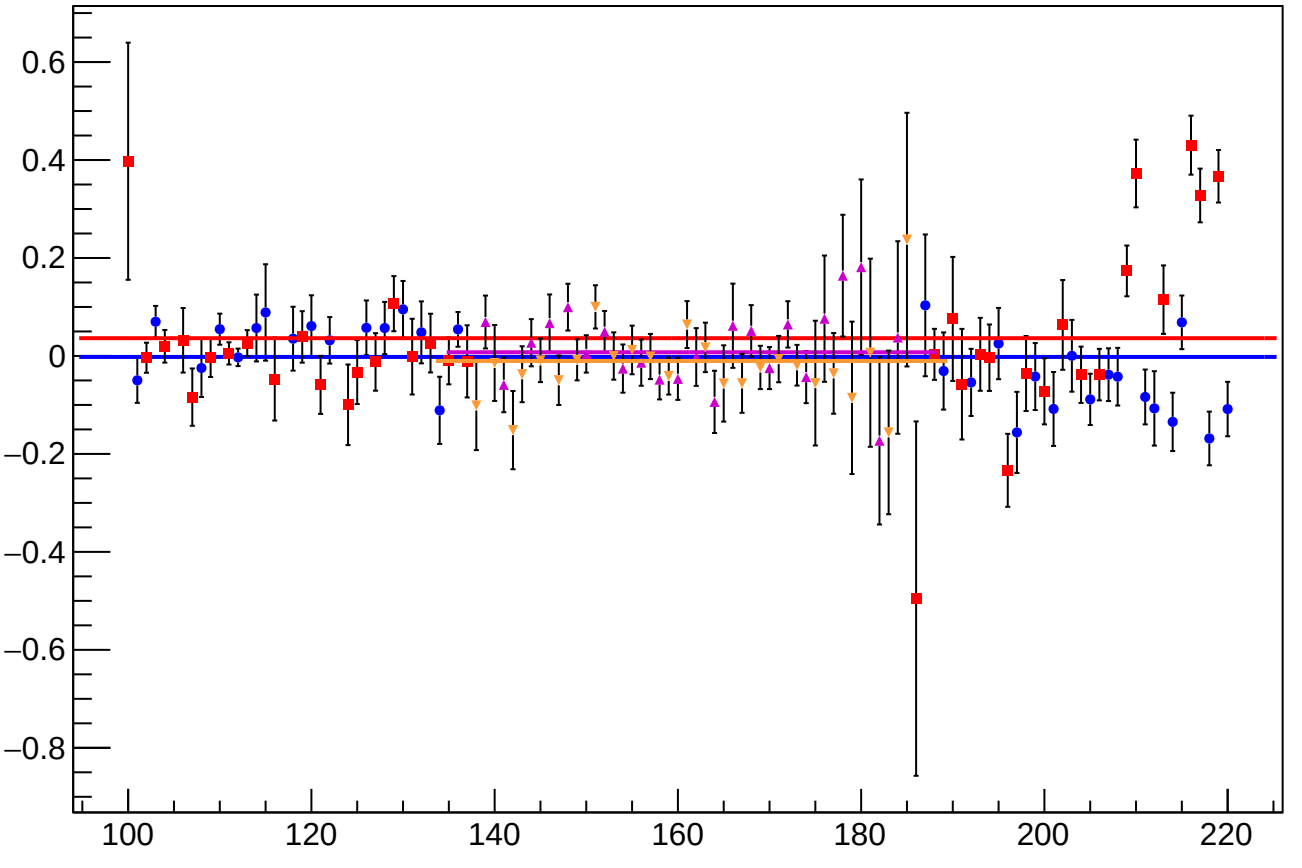
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14755410.1/69

In: 0.000+/-0.000 χ^2/NDF:12062353.8/55

Out: 0.000+/-0.000 χ^2/NDF:11988525.1/61

All: 0.000+/-0.000 χ^2/NDF: 24093714.2/117



Right In: -0.002+/-0.009 χ^2/NDF: 58.1/32

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

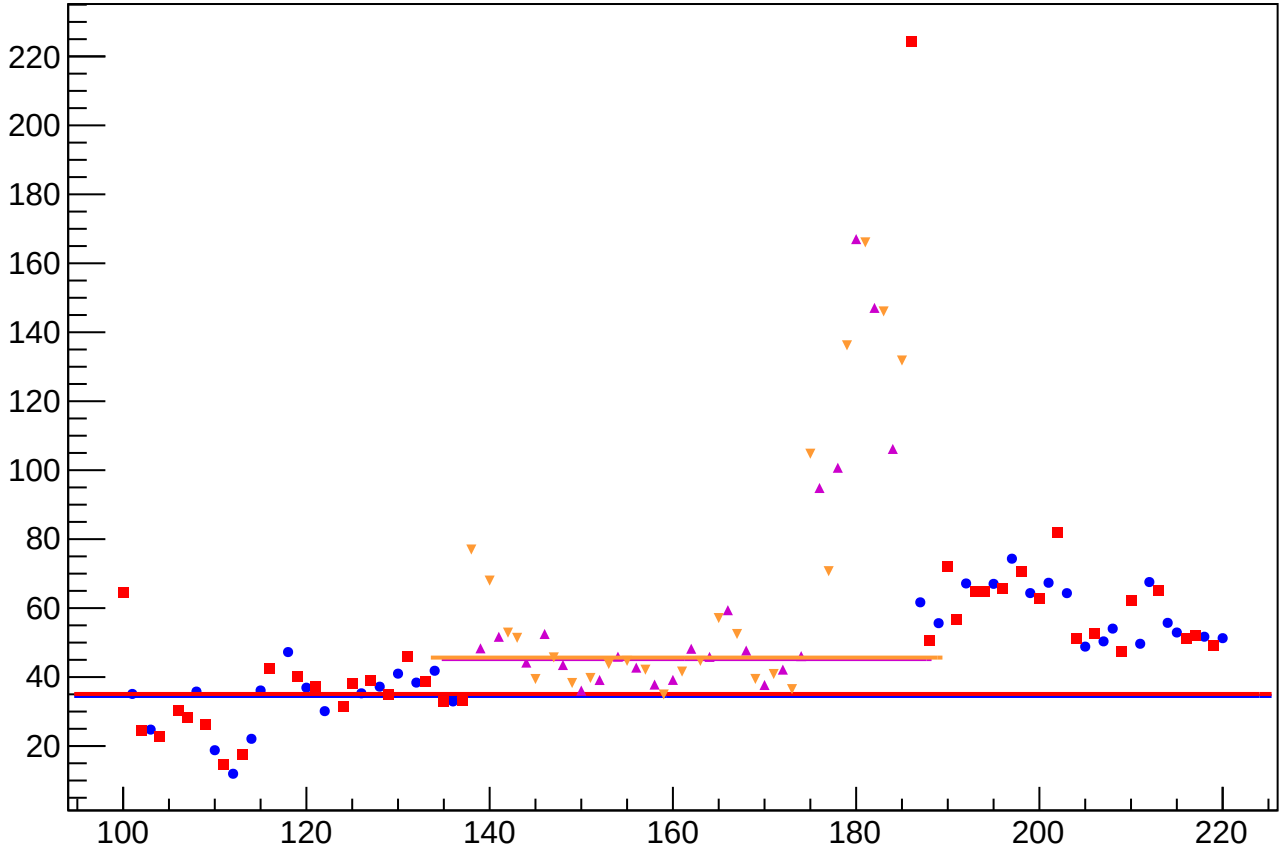
Right: 0.017+/-0.006 χ^2/NDF: 255.9/69

In: 0.001+/-0.007 χ^2/NDF:81.8/55

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.010+/-0.005 χ^2/NDF: 301.9/117

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.522+/-0.006 χ^2/NDF: 8635470.5/32

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

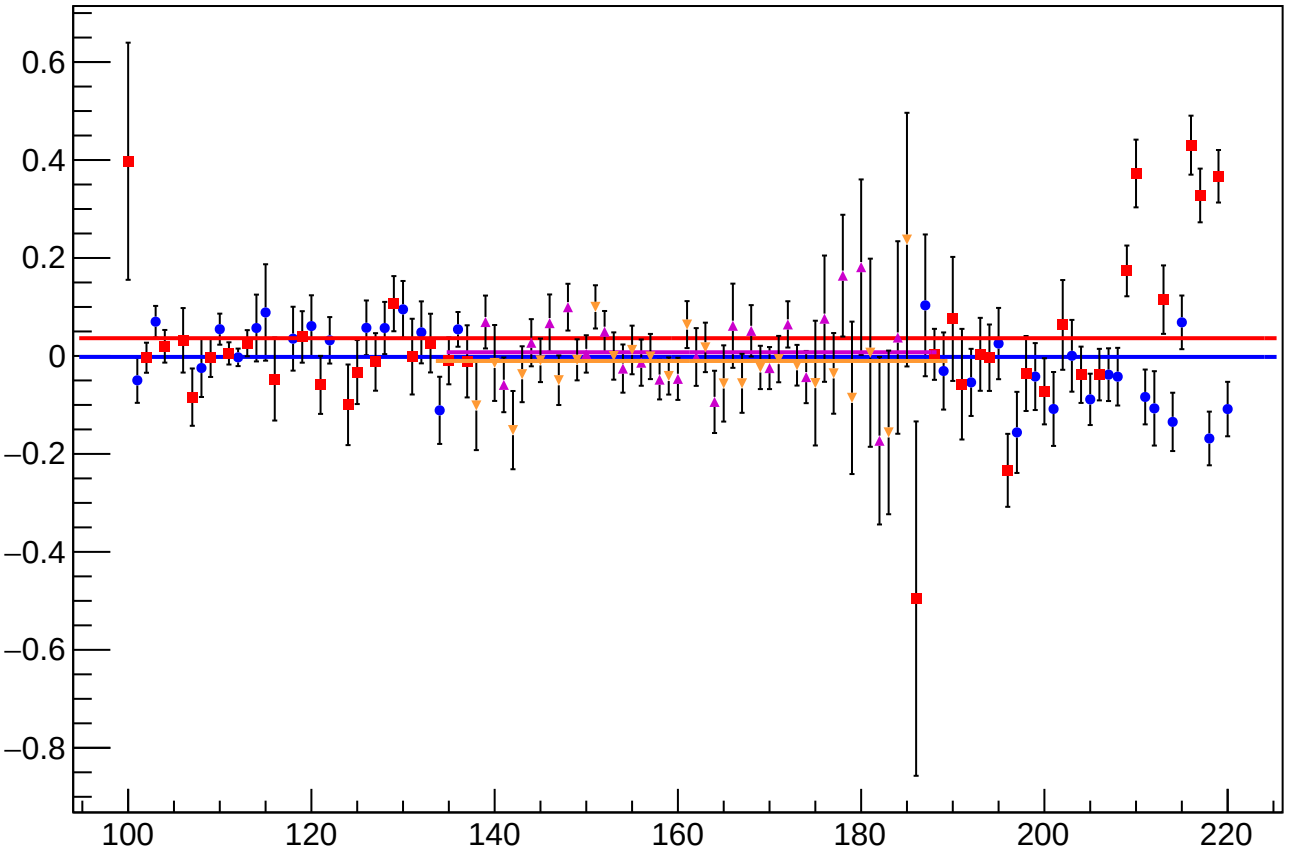
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 34.812+/-0.004 χ^2/NDF: 16872380.8/69

In: 38.413+/-0.005 χ^2/NDF:12744864.4/55

Out: 39.014+/-0.005 χ^2/NDF:13348629.9/61

All: 38.714+/-0.003 χ^2/NDF: 26101141.6/117



Right In: -0.002+/-0.009 χ^2/NDF: 58.1/32

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

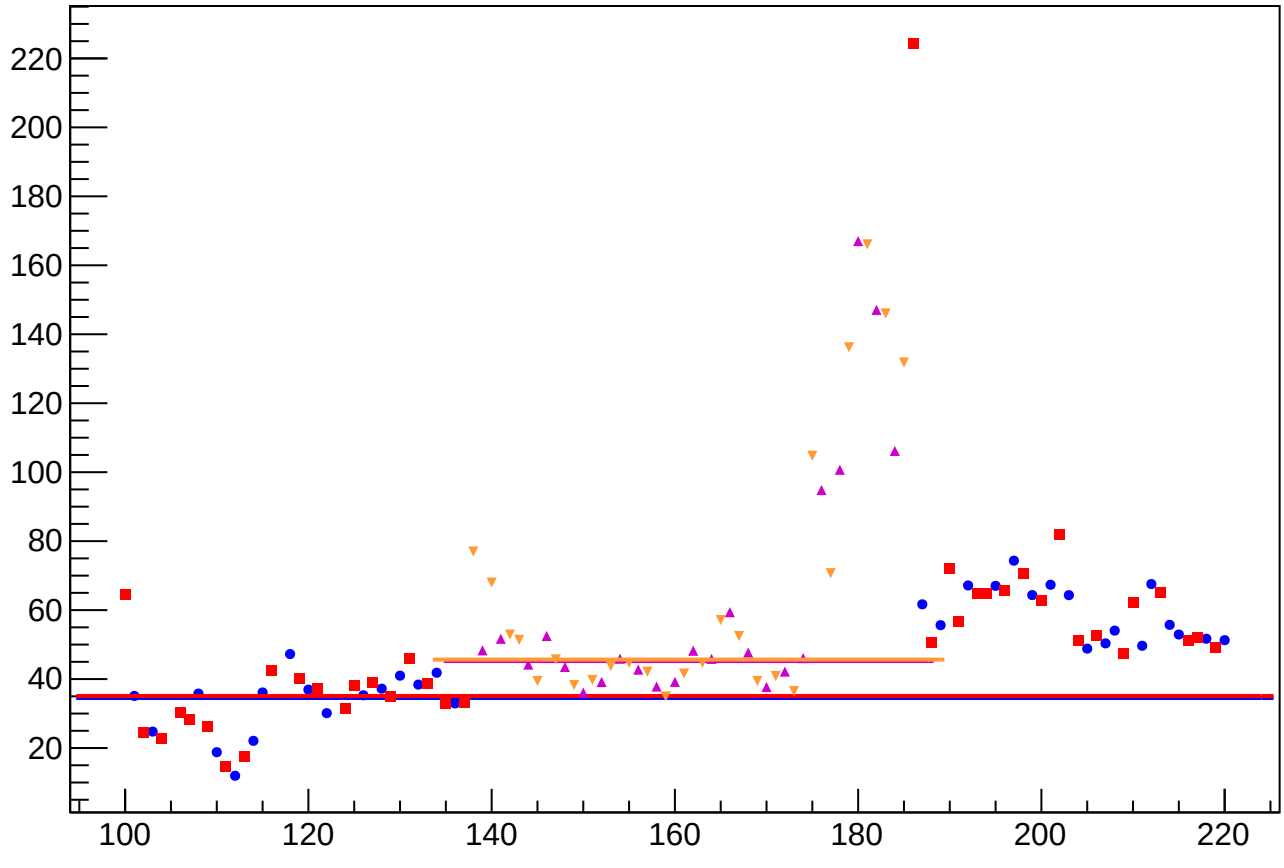
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.017+/-0.006 χ^2/NDF: 255.9/69

In: 0.001+/-0.007 χ^2/NDF:81.8/55

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.010+/-0.005 χ^2/NDF: 301.9/117



Right In: 34.522+/-0.006 χ^2/NDF: 8635470.5/32

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

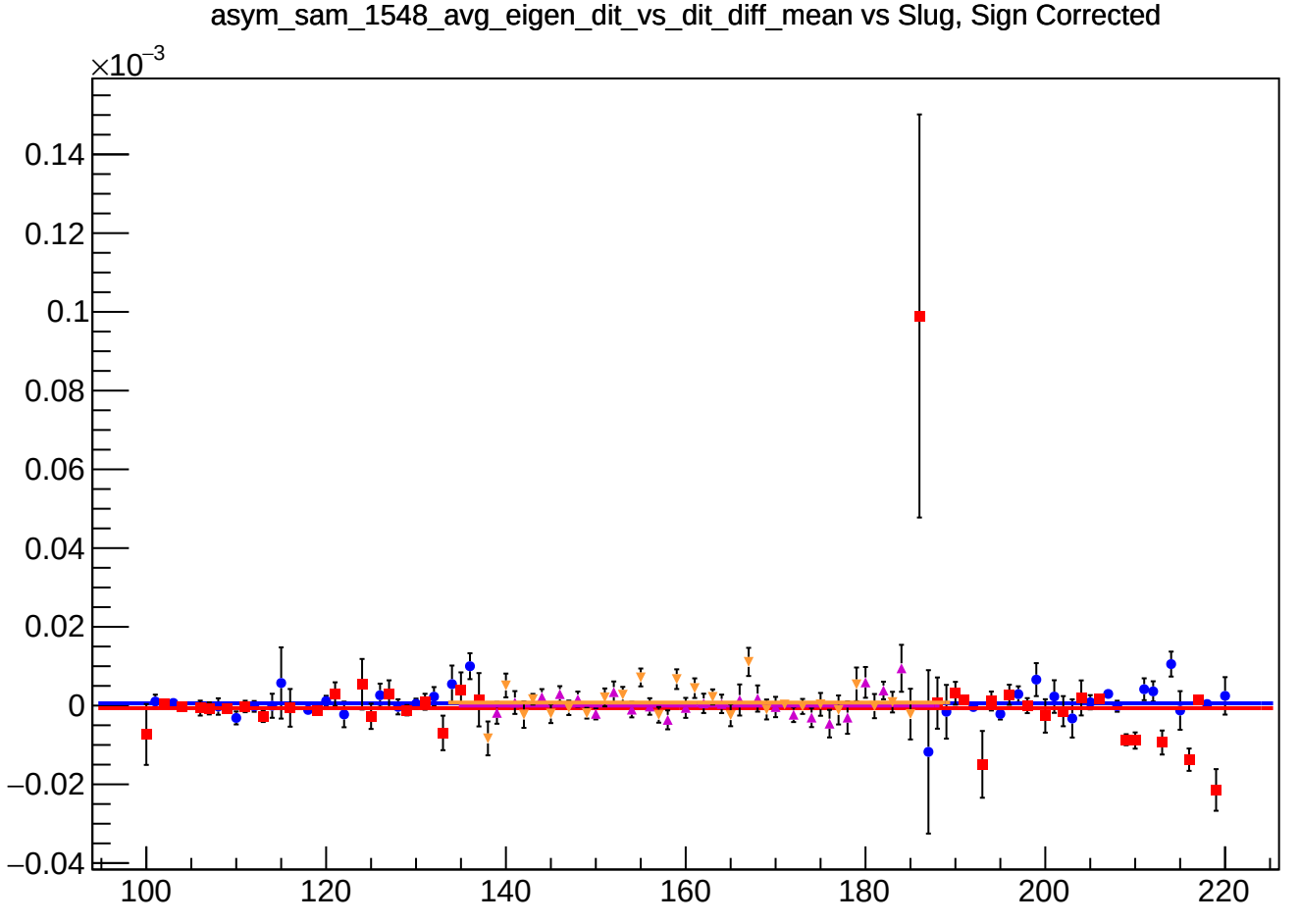
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 34.812+/-0.004 χ^2/NDF: 16872380.8/69

In: 38.413+/-0.005 χ^2/NDF:12744864.4/55

Out: 39.014+/-0.005 χ^2/NDF:13348629.9/61

All: 38.714+/-0.003 χ^2/NDF: 26101141.6/117



Right In: 0.000+/-0.000 χ^2/NDF: 46.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 131.5/36

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

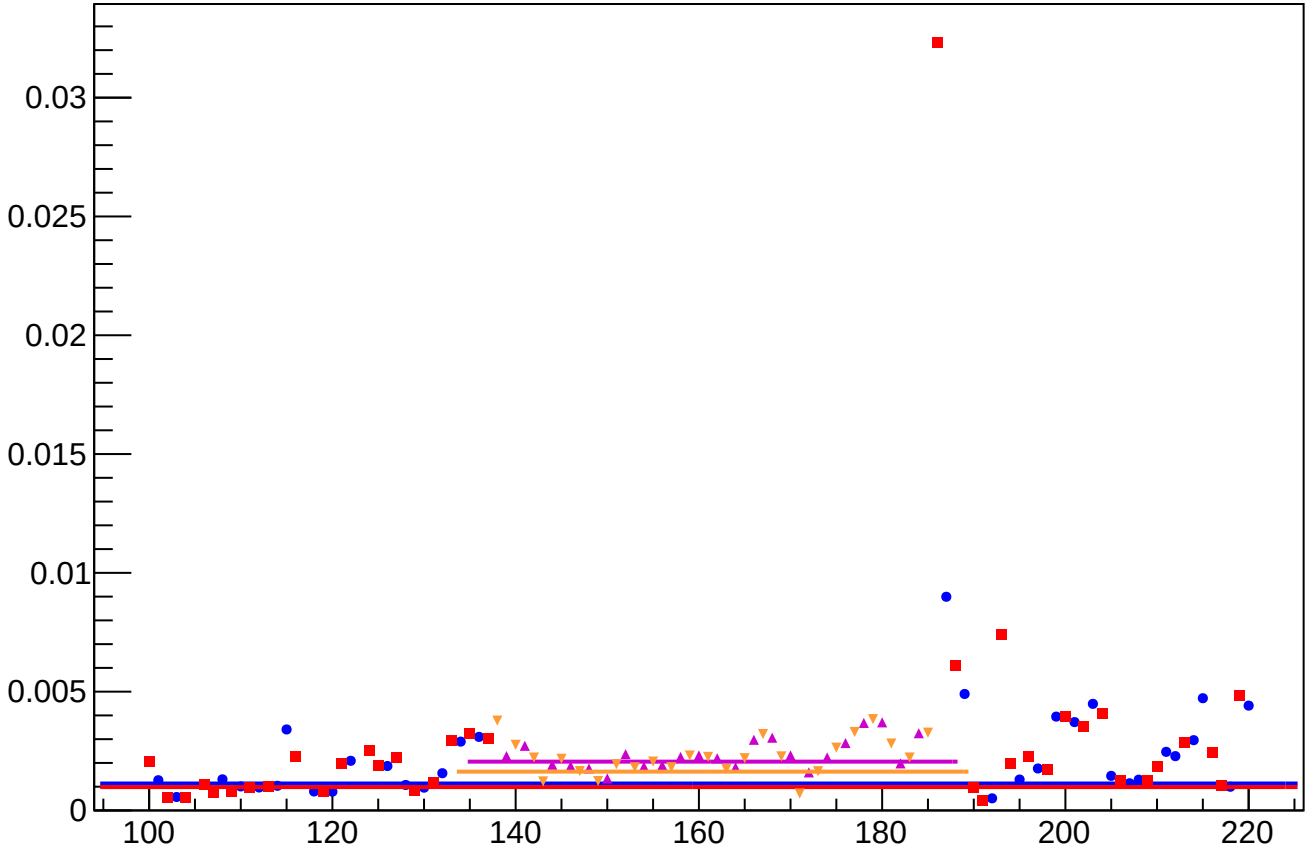
Right: -0.000+/-0.000 χ^2/NDF: 186.7/69

In: 0.000+/-0.000 χ^2/NDF:71.7/55

Out: -0.000+/-0.000 χ^2/NDF:185.8/61

All: 0.000+/-0.000 χ^2/NDF: 260.9/117

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 11195953.6/32

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14856527.4/36

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

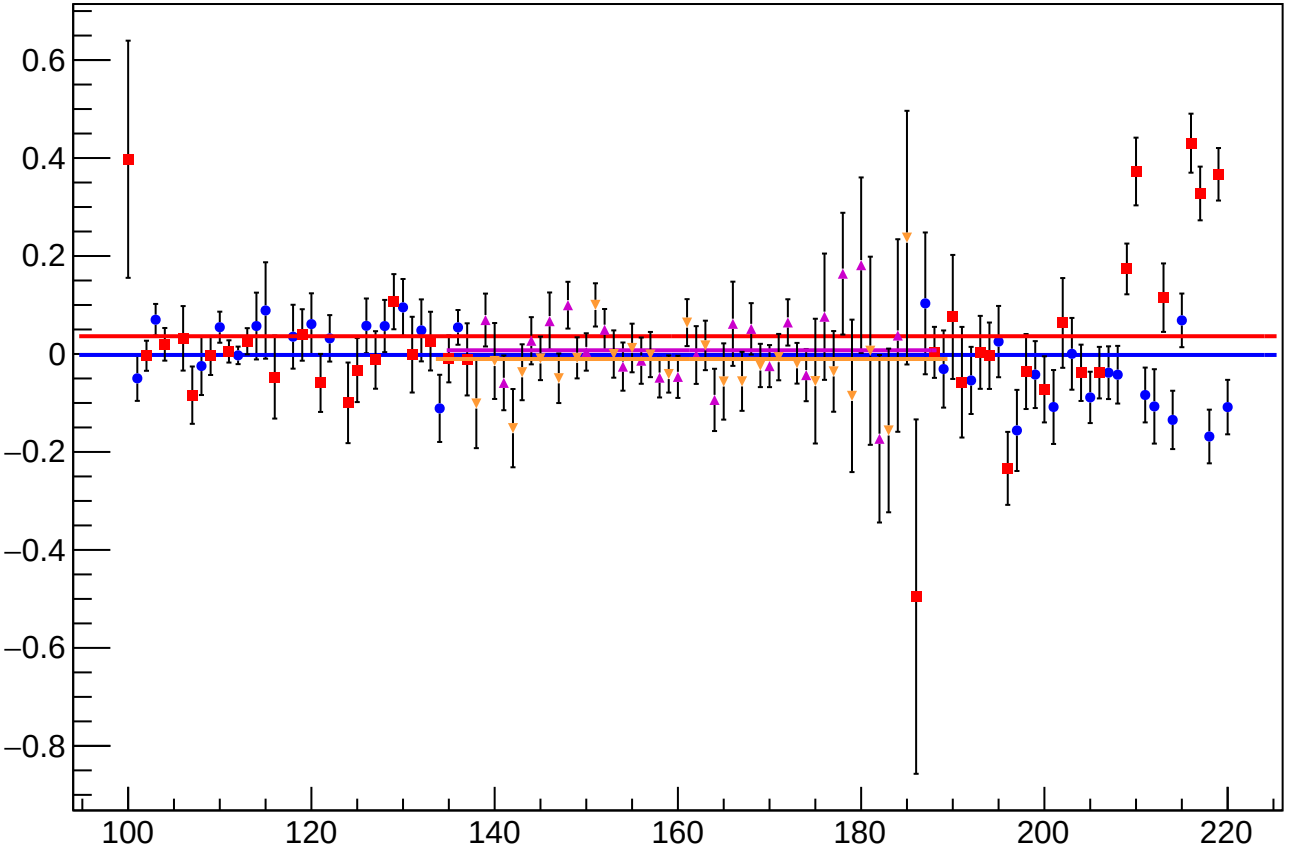
Right: 0.001+/-0.000 χ^2/NDF: 26324052.4/69

In: 0.001+/-0.000 χ^2/NDF:18207938.6/55

Out: 0.001+/-0.000 χ^2/NDF:24835189.7/61

All: 0.001+/-0.000 χ^2/NDF: 43734042.5/117

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 58.1/32

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

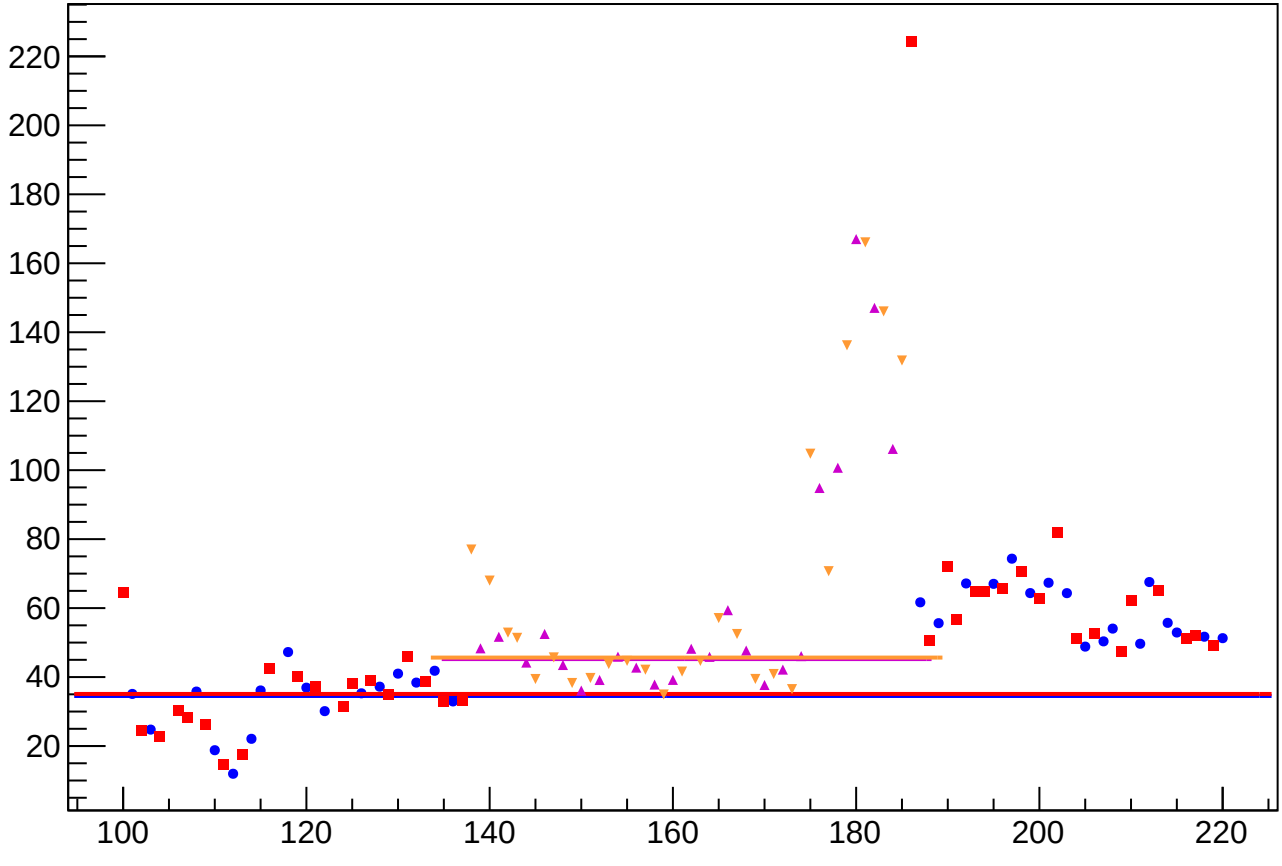
Right: 0.017+/-0.006 χ^2/NDF: 255.9/69

In: 0.001+/-0.007 χ^2/NDF:81.8/55

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.010+/-0.005 χ^2/NDF: 301.9/117

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.521+/-0.006 χ^2/NDF: 8635760.8/32

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

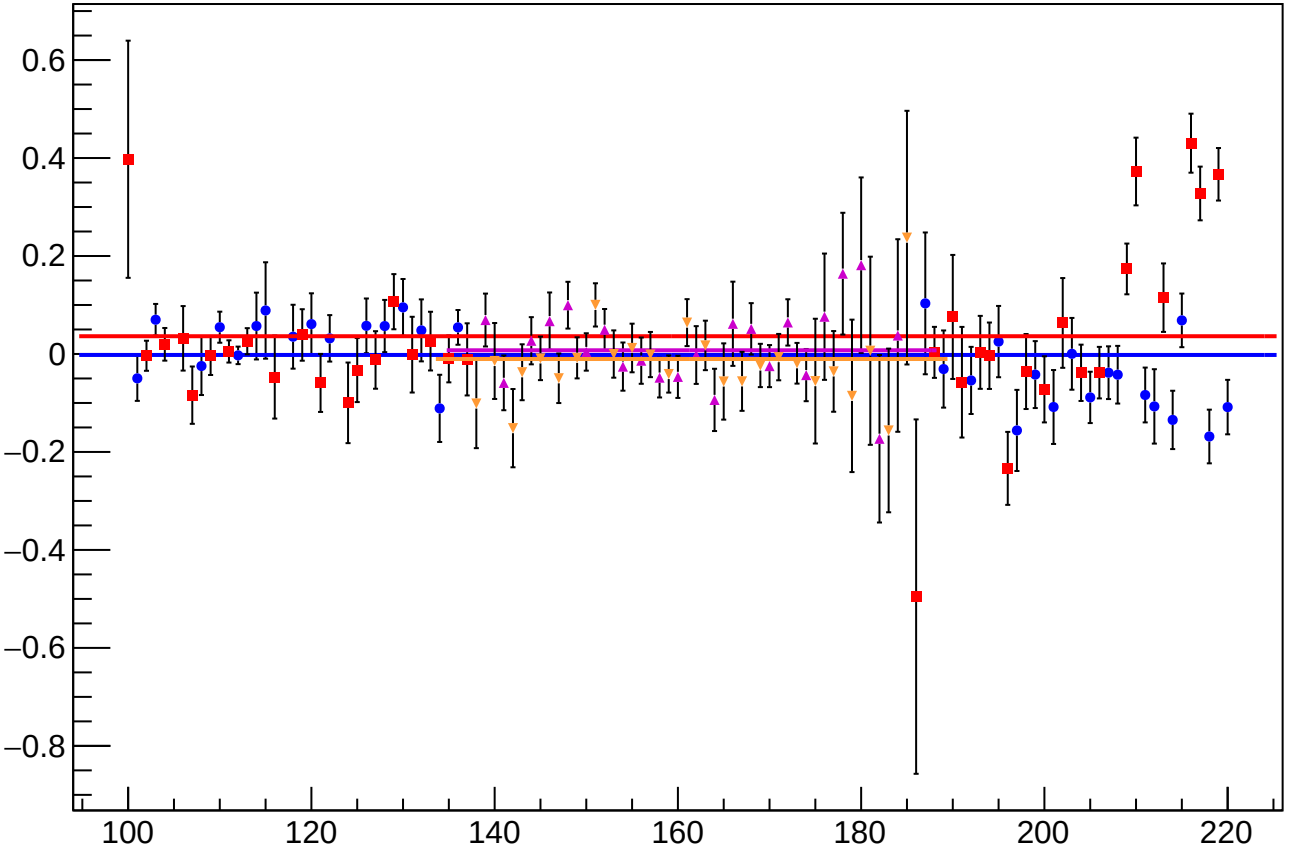
Right: 34.812+/-0.004 χ^2/NDF: 16872916.0/69

In: 38.412+/-0.005 χ^2/NDF:12745290.9/55

Out: 39.014+/-0.005 χ^2/NDF:13348970.7/61

All: 38.714+/-0.003 χ^2/NDF: 26101912.0/117

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 58.1/32

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

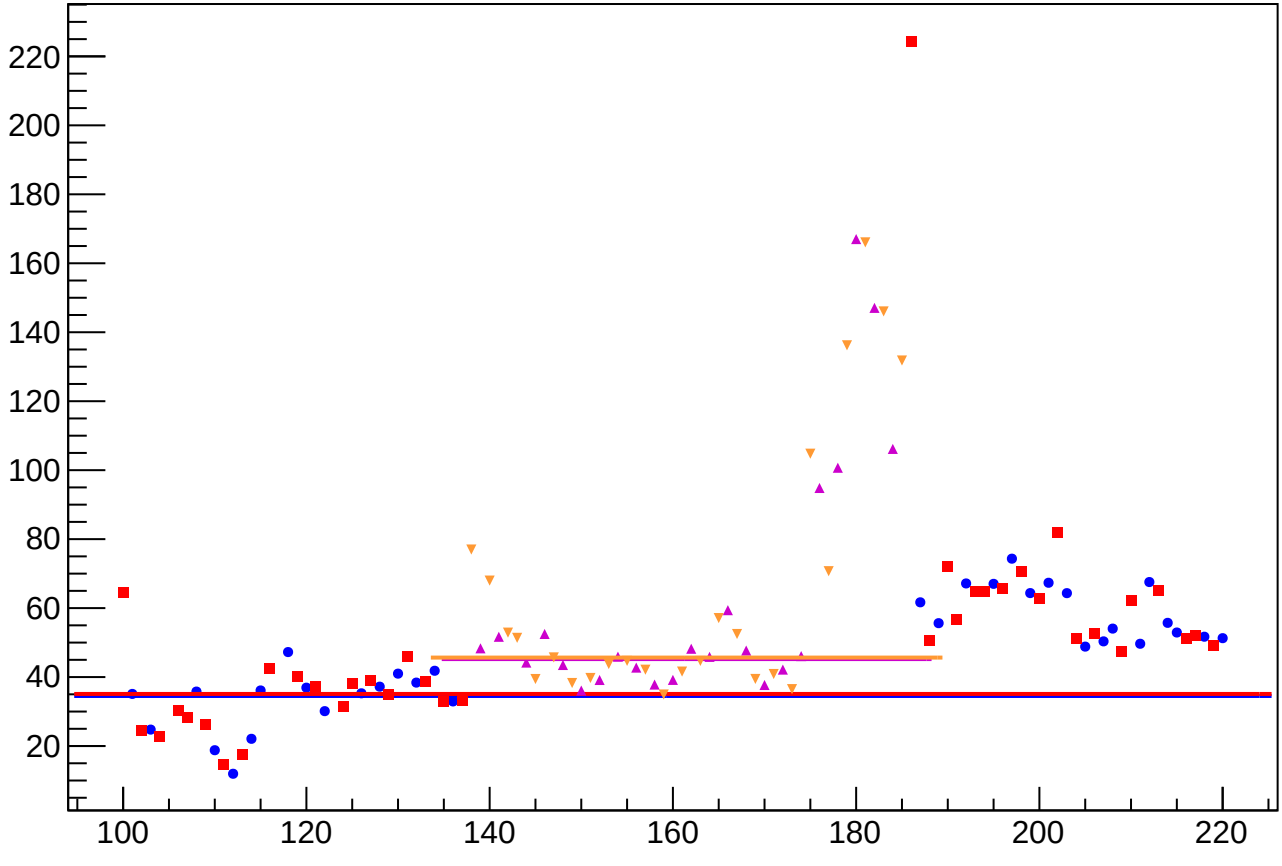
Right: 0.017+/-0.006 χ^2/NDF: 255.9/69

In: 0.001+/-0.007 χ^2/NDF:81.8/55

Out: 0.019+/-0.007 χ^2/NDF:216.8/61

All: 0.010+/-0.005 χ^2/NDF: 301.9/117

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.521+/-0.006 χ^2/NDF: 8635760.8/32

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

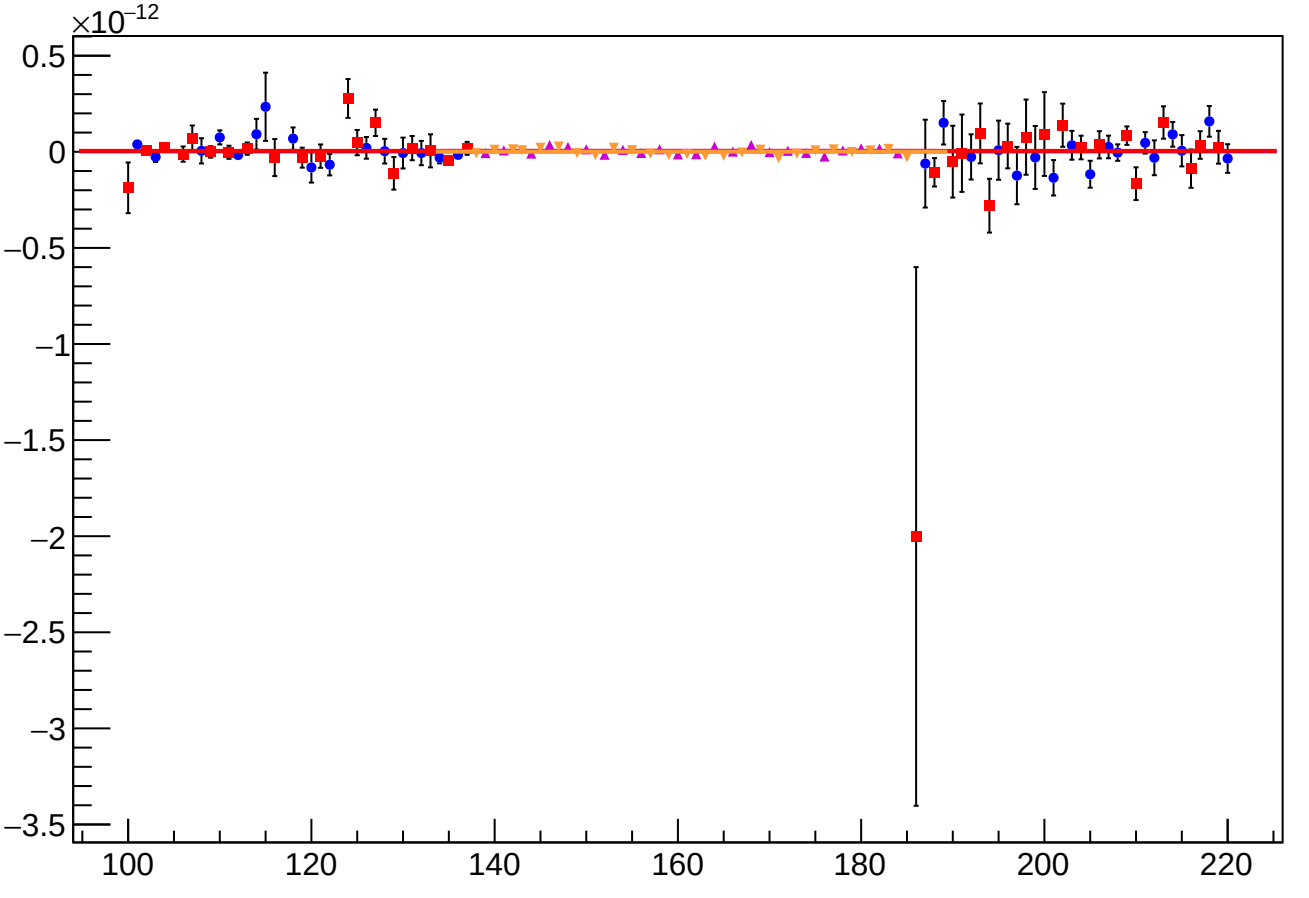
Right: 34.812+/-0.004 χ^2/NDF: 16872916.0/69

In: 38.412+/-0.005 χ^2/NDF:12745290.9/55

Out: 39.014+/-0.005 χ^2/NDF:13348970.7/61

All: 38.714+/-0.003 χ^2/NDF: 26101912.0/117

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.4/36

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

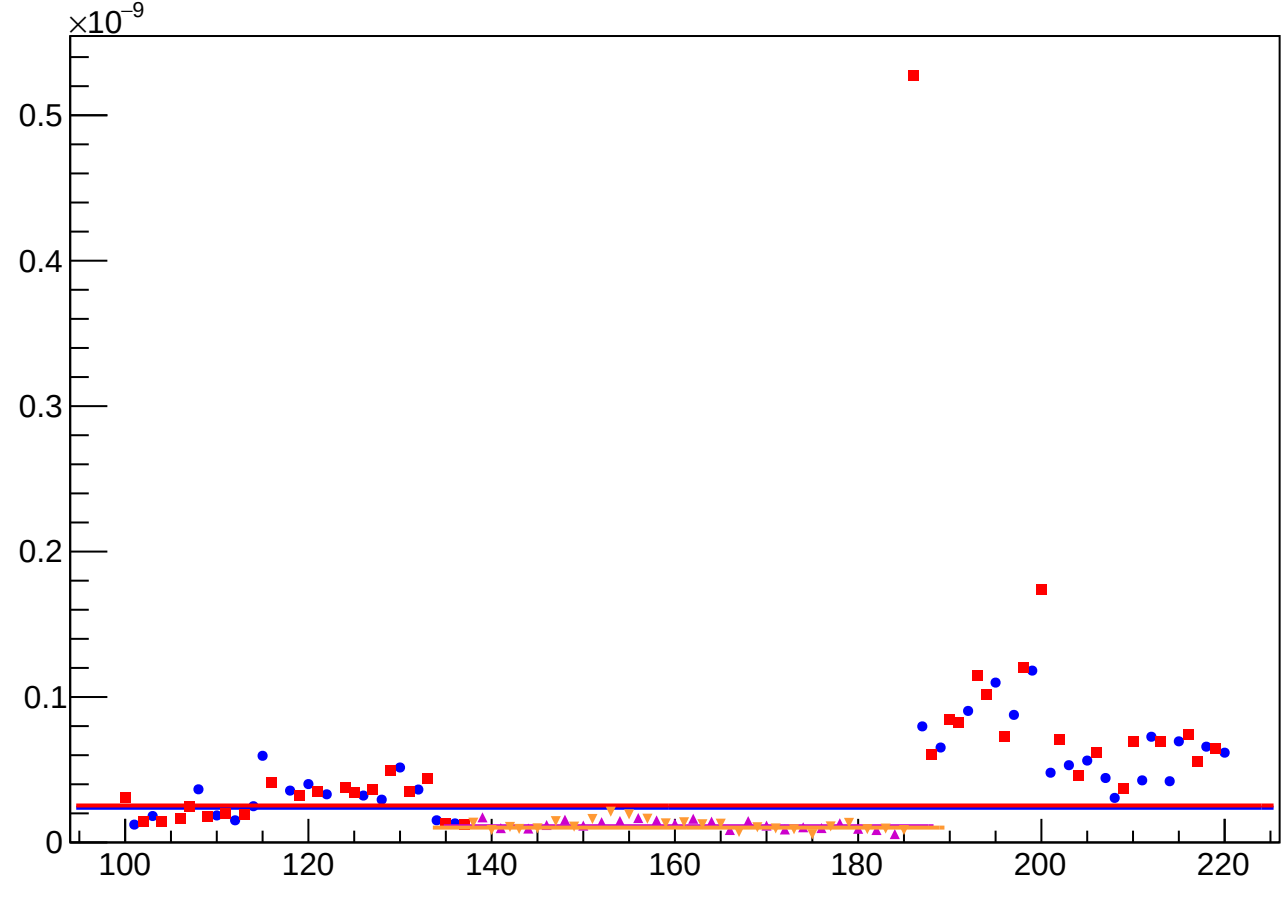
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 79.0/69

In: 0.000+/-0.000 χ^2/NDF:57.3/55

Out: 0.000+/-0.000 χ^2/NDF:71.0/61

All: 0.000+/-0.000 χ^2/NDF: 129.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 9355124.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10174736.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

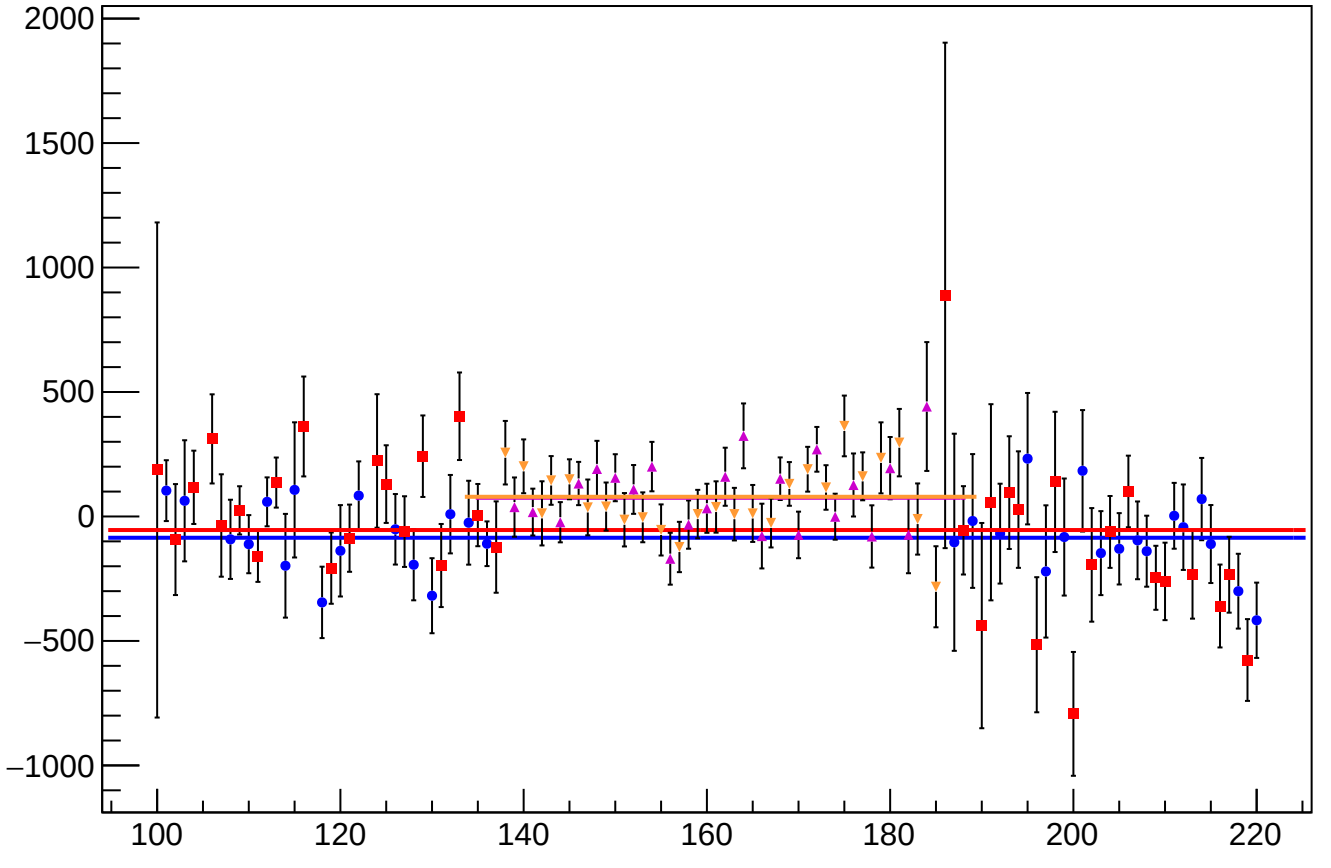
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 19566724.1/69

In: 0.000+/-0.000 χ^2/NDF:15349100.7/55

Out: 0.000+/-0.000 χ^2/NDF:18267198.2/61

All: 0.000+/-0.000 χ^2/NDF: 33765300.1/117



Right In: -85.472+/-27.232 χ^2/NDF: 25.9/32

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -54.486+/-27.280 χ^2/NDF: 66.0/36

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

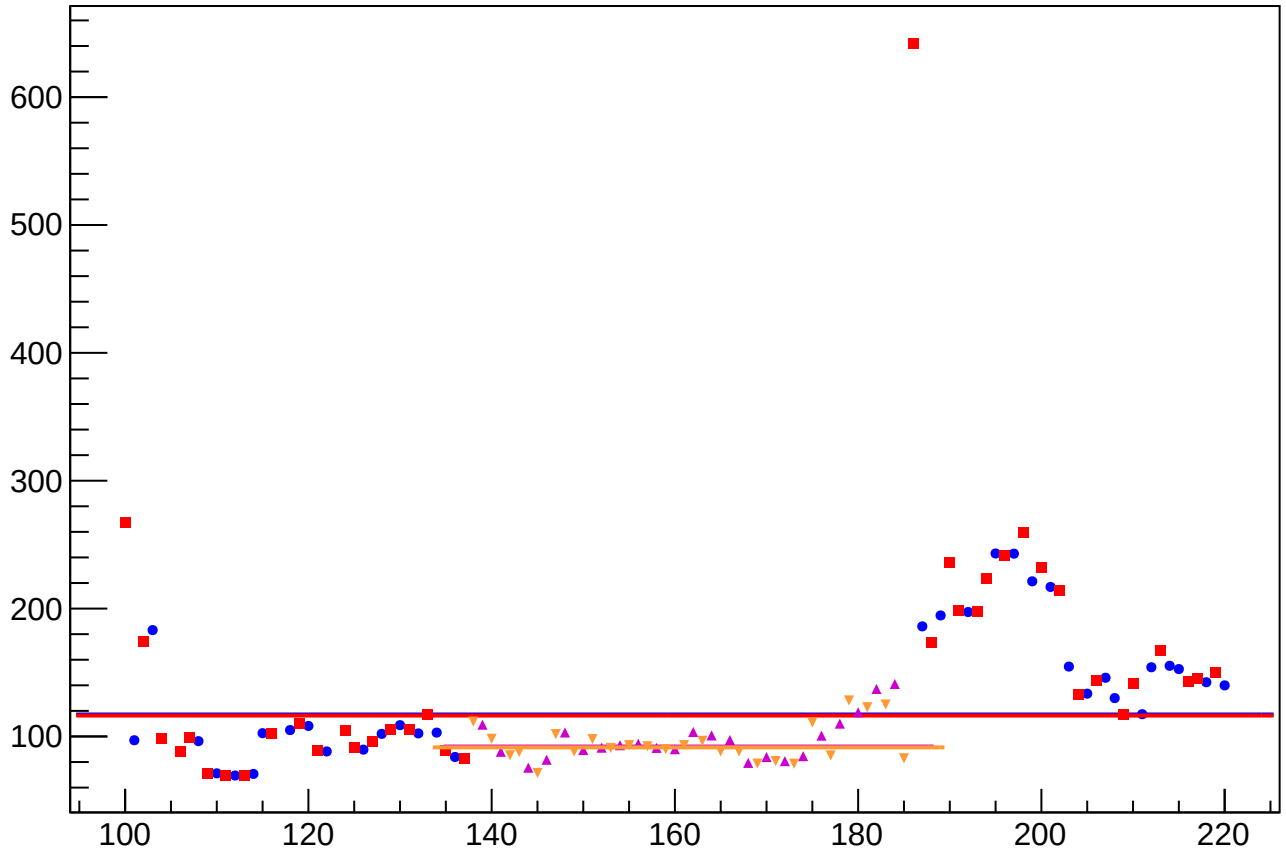
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -70.007+/-19.273 χ^2/NDF: 92.5/69

In: 12.226+/-17.036 χ^2/NDF:79.6/55

Out: 29.089+/-16.691 χ^2/NDF:113.0/61

All: 20.830+/-11.923 χ^2/NDF: 193.1/117



Right In: 117.170+/-0.019 χ^2/NDF: 4418266.8/32

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 116.347+/-0.019 χ^2/NDF: 5877136.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

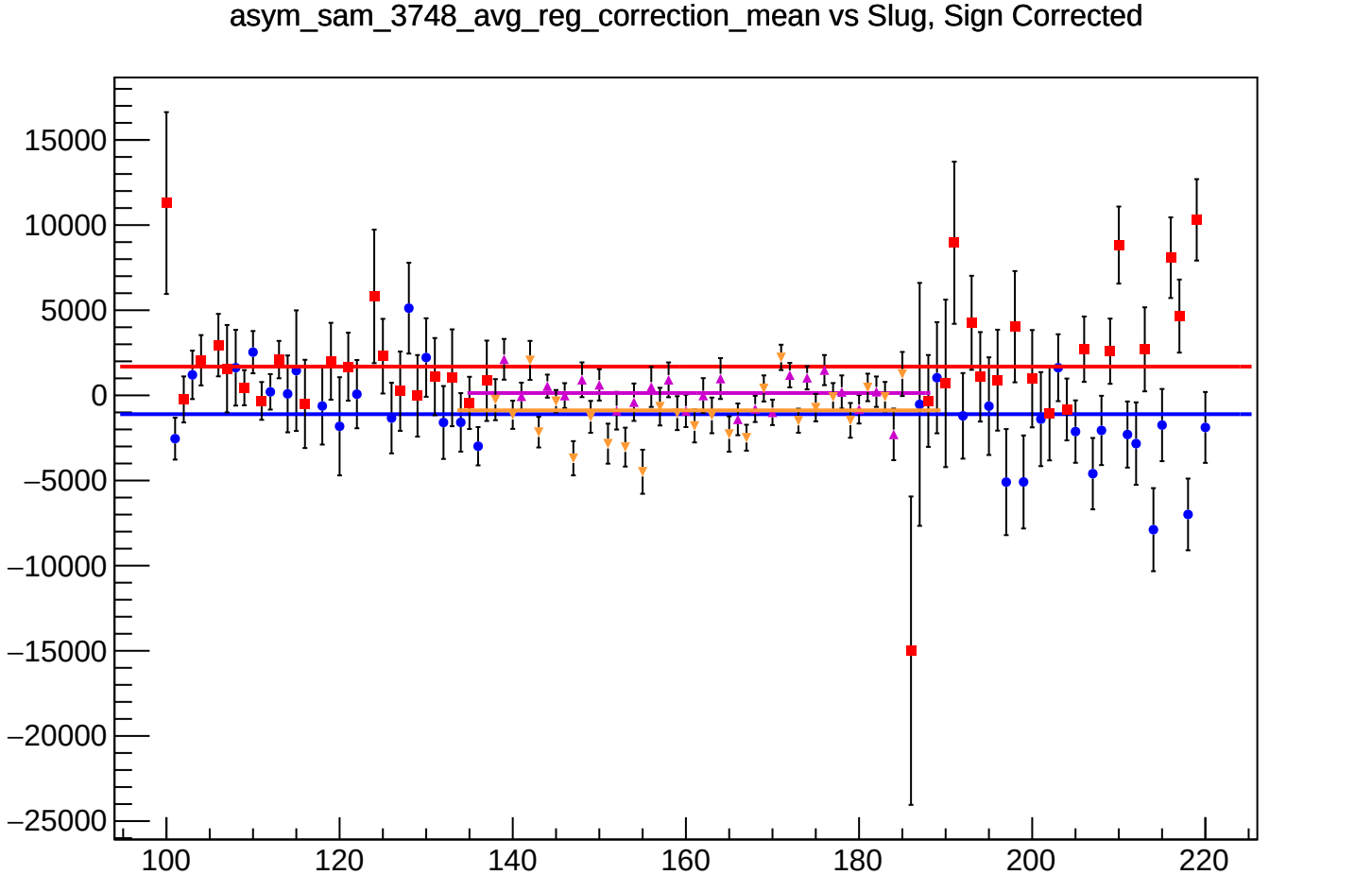
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 116.759+/-0.014 χ^2/NDF: 10296314.3/69

In: 101.912+/-0.012 χ^2/NDF:6149476.1/55

Out: 100.778+/-0.012 χ^2/NDF:7669613.6/61

All: 101.333+/-0.008 χ^2/NDF: 13823610.9/11



Right In: -1104.794+/-338.041 χ^2/NDF: 53.6/32

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1690.305+/-333.788 χ^2/NDF: 59.3/36

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

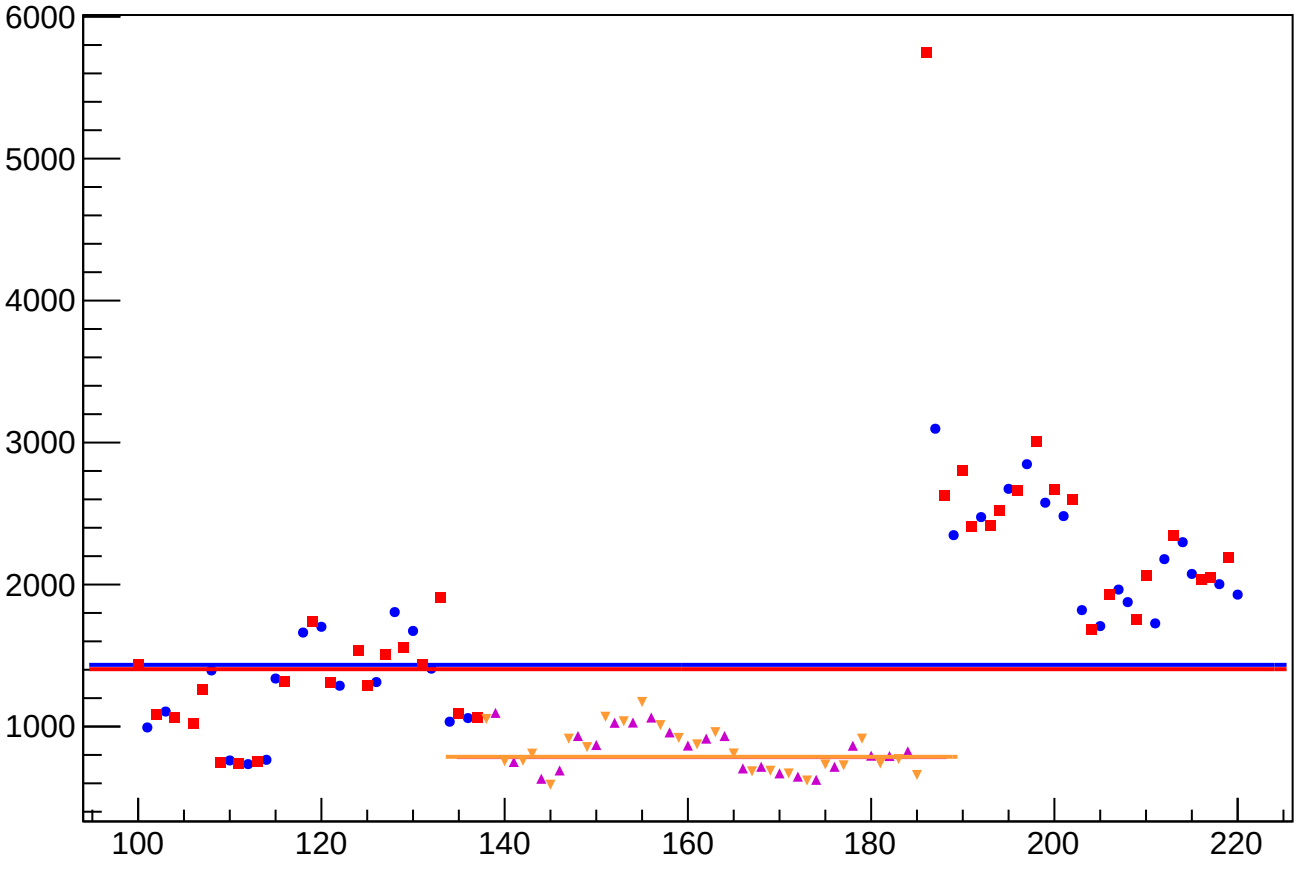
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 310.448+/-237.513 χ^2/NDF: 147.5/69

In: -151.627+/-163.346 χ^2/NDF:88.1/55

Out: -288.841+/-159.917 χ^2/NDF:172.7/61

All: -221.689+/-114.271 χ^2/NDF: 261.2/117



Right In: 1434.479+/-0.239 χ^2/NDF: 5782439.7/32

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.939+/-0.236 χ^2/NDF: 7414426.0/36

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

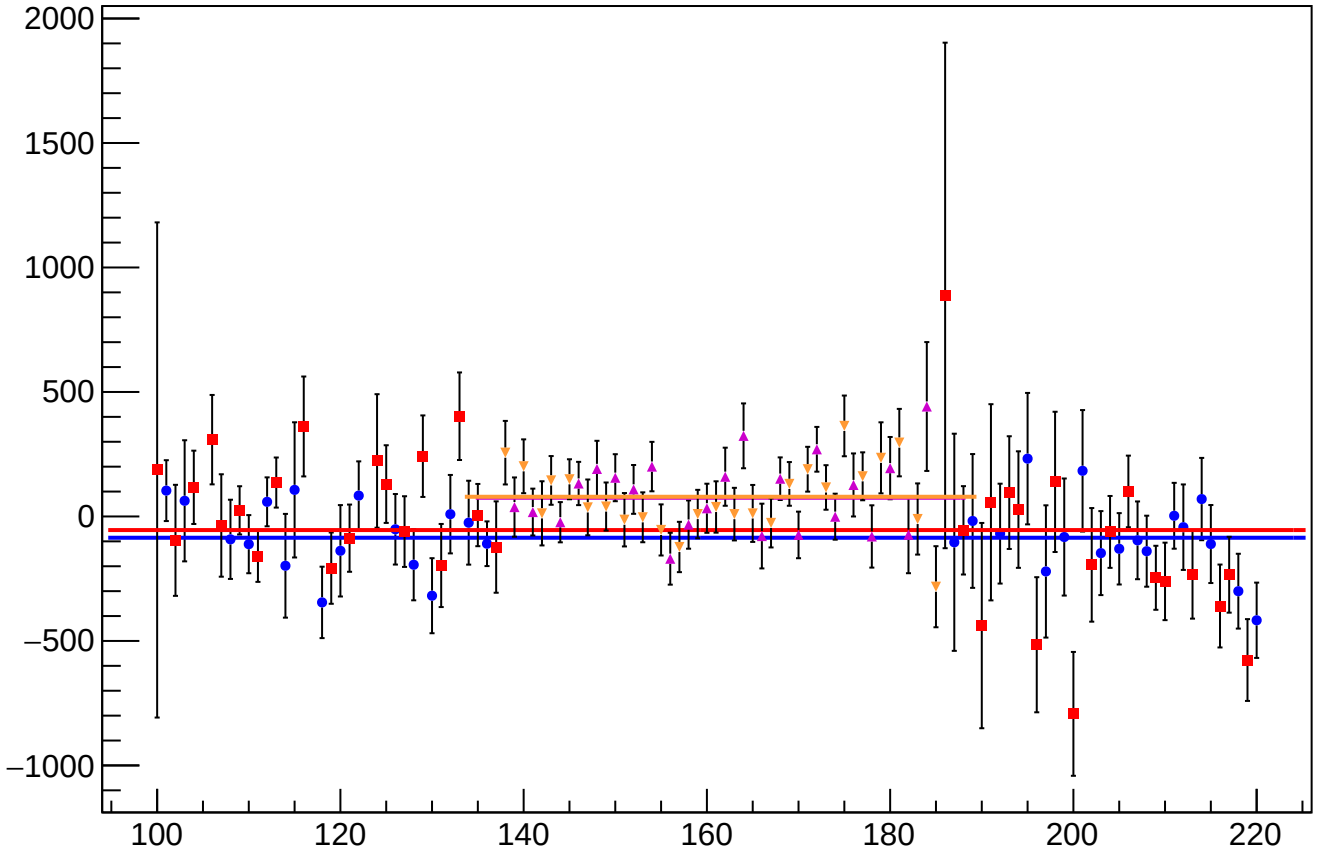
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1419.015+/-0.168 χ^2/NDF: 13205131.1/69

In: 936.521+/-0.116 χ^2/NDF:12508046.4/55

Out: 928.423+/-0.113 χ^2/NDF:13893545.8/61

All: 932.386+/-0.081 χ^2/NDF: 26404102.5/11



Right In: -85.481+/-27.232 χ^2/NDF: 25.9/32

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -54.656+/-27.282 χ^2/NDF: 65.9/36

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

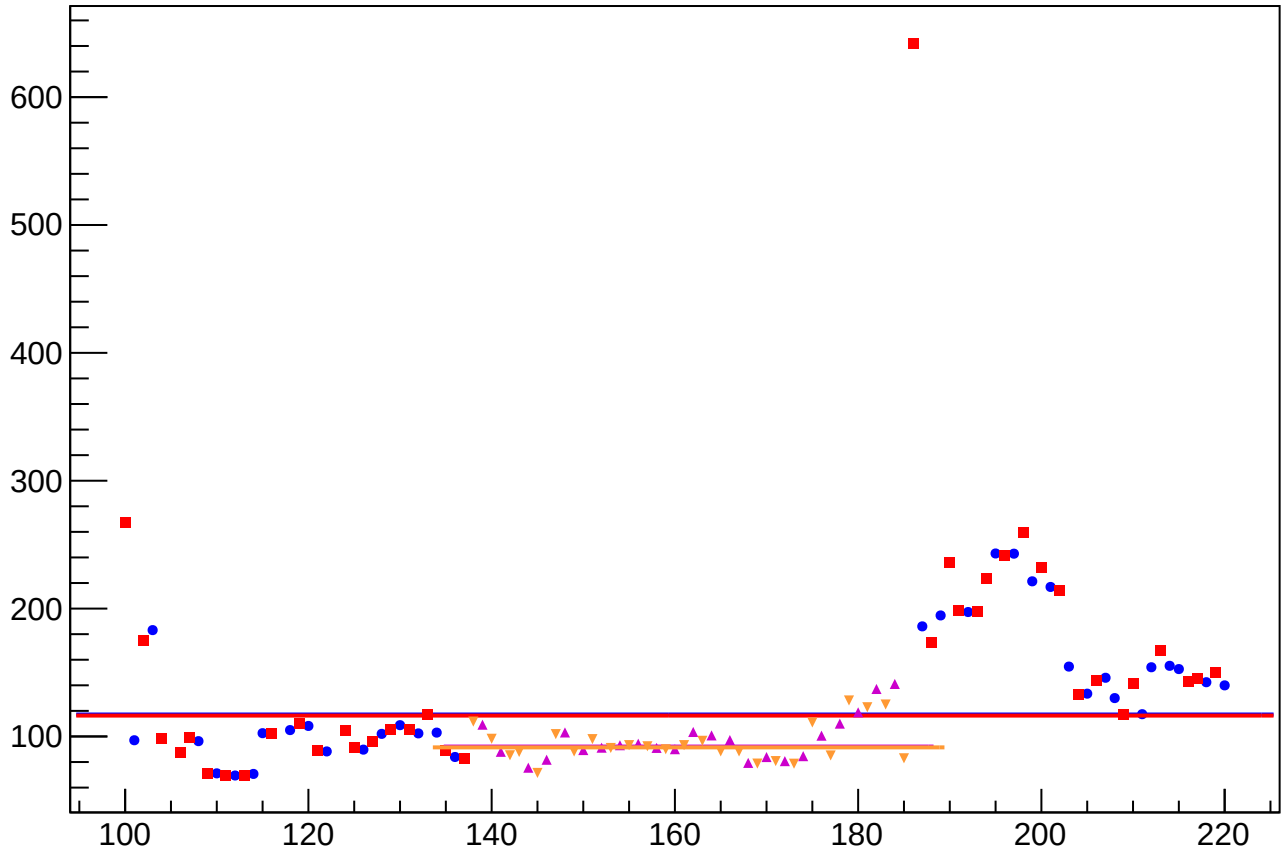
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -70.097+/-19.274 χ^2/NDF: 92.4/69

In: 12.223+/-17.036 χ^2/NDF:79.6/55

Out: 29.036+/-16.692 χ^2/NDF:112.9/61

All: 20.801+/-11.923 χ^2/NDF: 193.0/117



Right In: 117.170+/-0.019 χ^2/NDF: 4418269.8/32

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

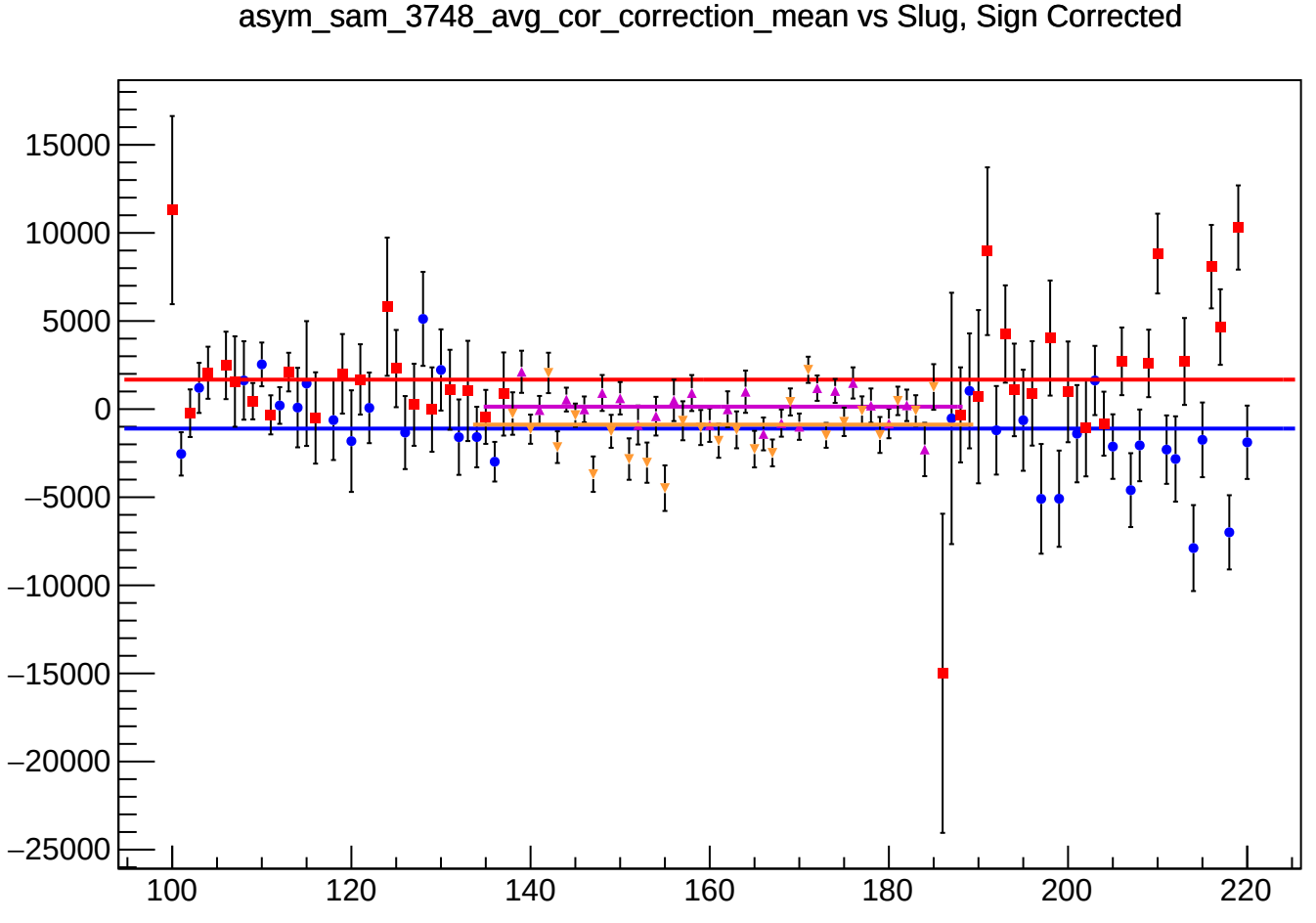
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 116.746+/-0.014 χ^2/NDF: 10300920.7/69

In: 101.912+/-0.012 χ^2/NDF:6149479.2/55

Out: 100.767+/-0.012 χ^2/NDF:7671879.6/61

All: 101.328+/-0.008 χ^2/NDF: 13825965.2/11



Right In: -1104.816+/-338.043 χ^2/NDF: 53.6/32

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1673.085+/-334.255 χ^2/NDF: 59.0/36

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

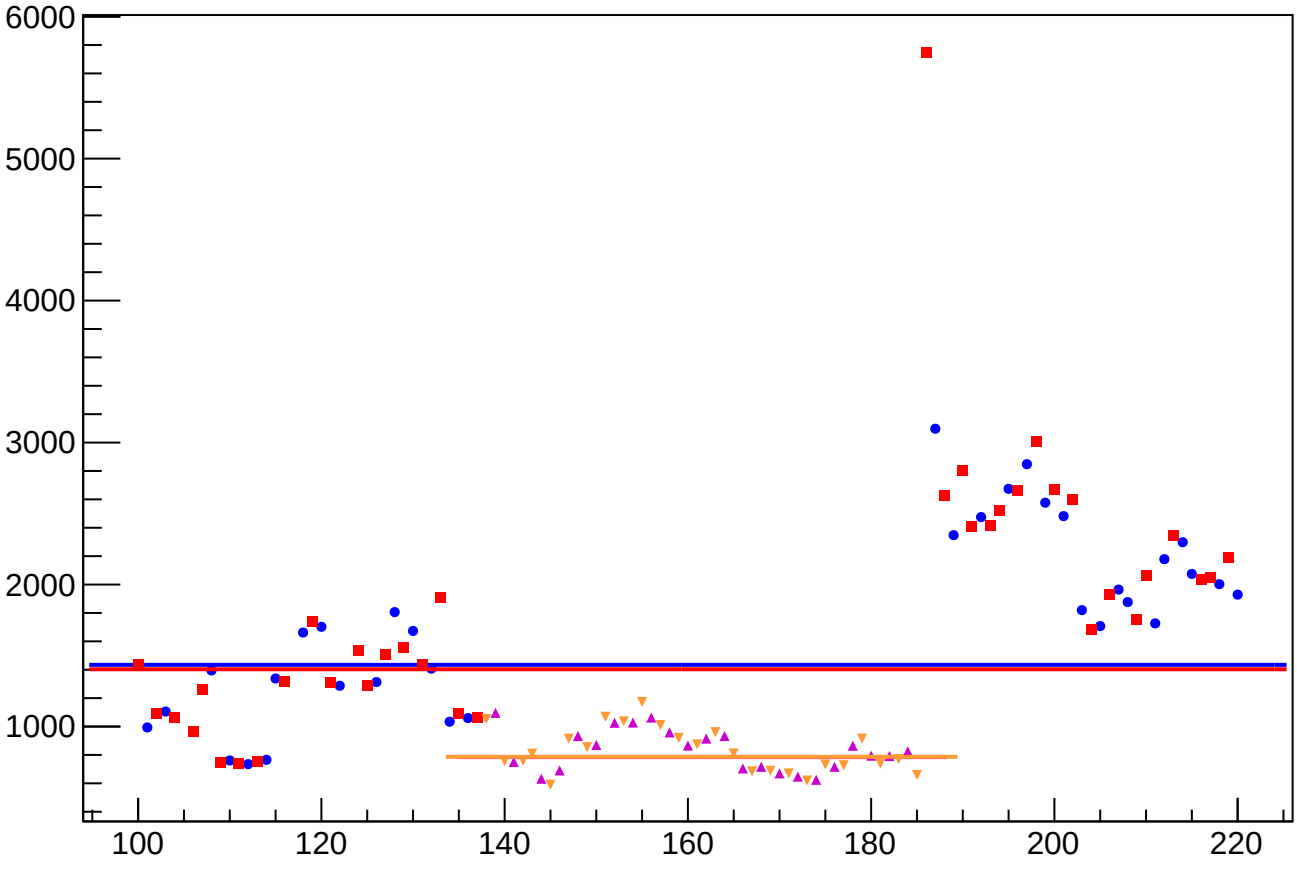
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 299.786+/-237.682 χ^2/NDF: 146.7/69

In: -151.628+/-163.346 χ^2/NDF:88.1/55

Out: -294.046+/-159.969 χ^2/NDF:171.7/61

All: -224.325+/-114.290 χ^2/NDF: 260.2/117



Right In: 1434.488+/-0.239 χ^2/NDF: 5782354.6/32

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.308+/-0.236 χ^2/NDF: 7432093.4/36

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

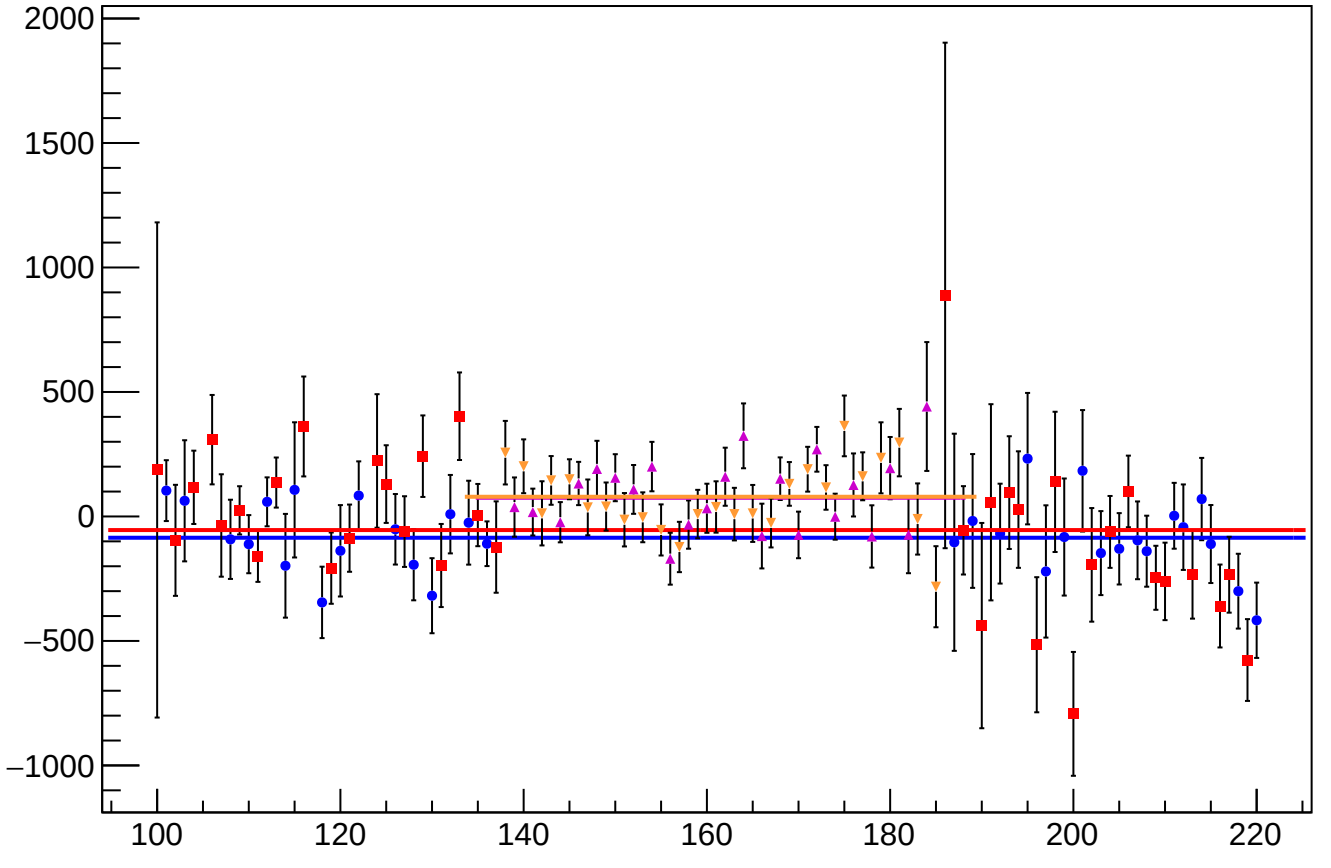
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1418.722+/-0.168 χ^2/NDF: 13223051.3/69

In: 936.522+/-0.116 χ^2/NDF:12508075.5/55

Out: 927.974+/-0.113 χ^2/NDF:13889156.7/61

All: 932.159+/-0.081 χ^2/NDF: 26400028.5/11



Right In: -85.481+/-27.232 χ^2/NDF: 25.9/32

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -54.656+/-27.282 χ^2/NDF: 65.9/36

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

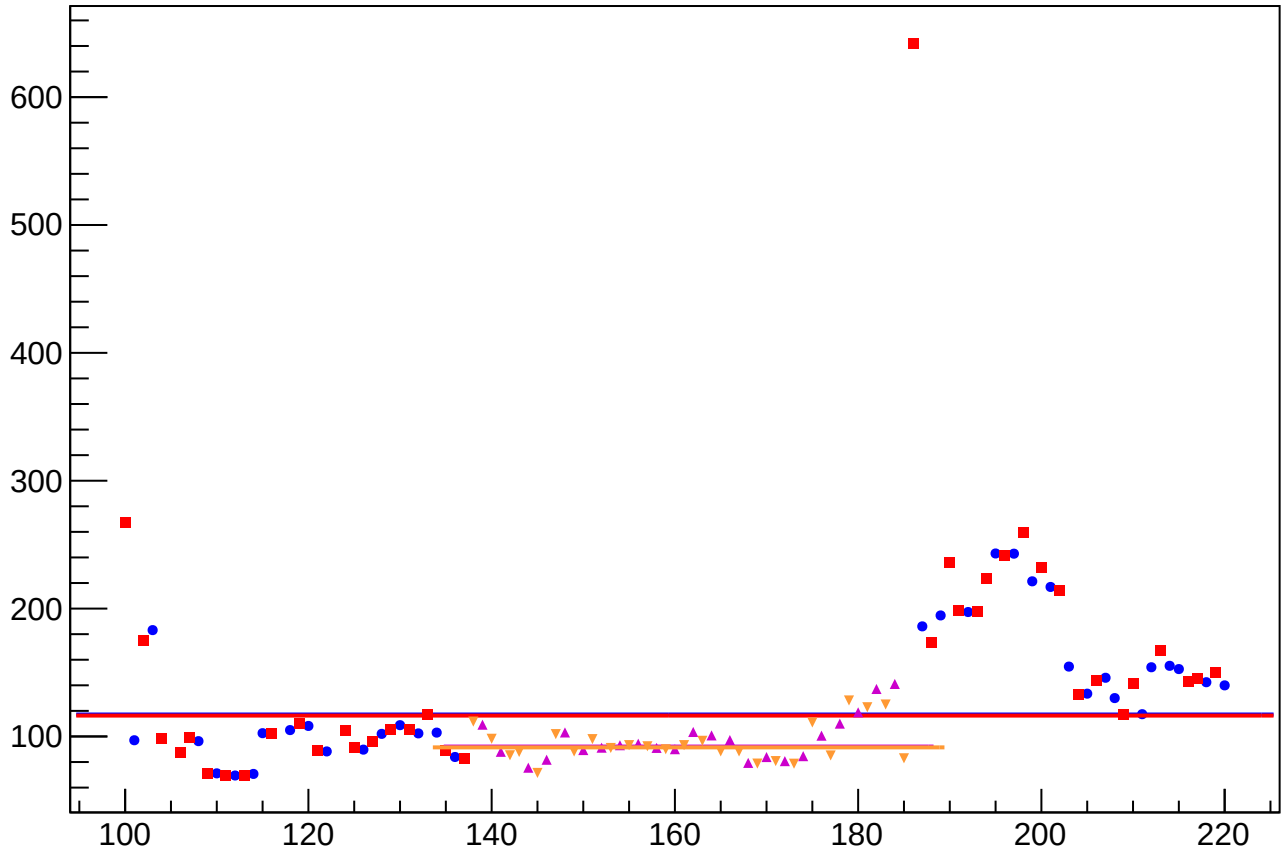
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -70.097+/-19.274 χ^2/NDF: 92.4/69

In: 12.223+/-17.036 χ^2/NDF:79.6/55

Out: 29.036+/-16.692 χ^2/NDF:112.9/61

All: 20.801+/-11.923 χ^2/NDF: 193.0/117



Right In: 117.170+/-0.019 χ^2/NDF: 4418269.8/32

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

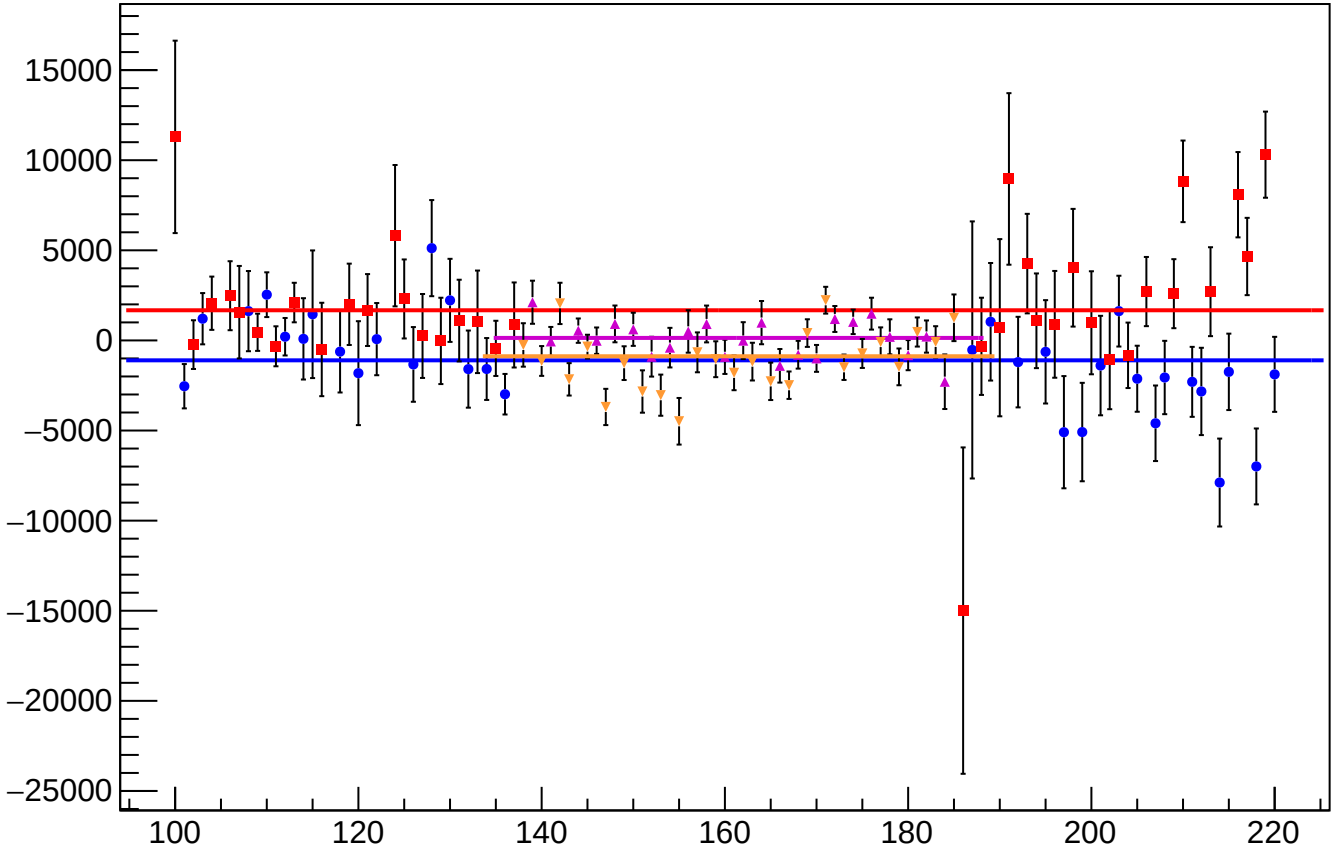
Right: 116.746+/-0.014 χ^2/NDF: 10300920.7/69

In: 101.912+/-0.012 χ^2/NDF:6149479.2/55

Out: 100.767+/-0.012 χ^2/NDF:7671879.6/61

All: 101.328+/-0.008 χ^2/NDF: 13825965.2/11

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1104.816+/-338.043 χ^2/NDF: 53.6/32

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1673.085+/-334.255 χ^2/NDF: 59.0/36

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

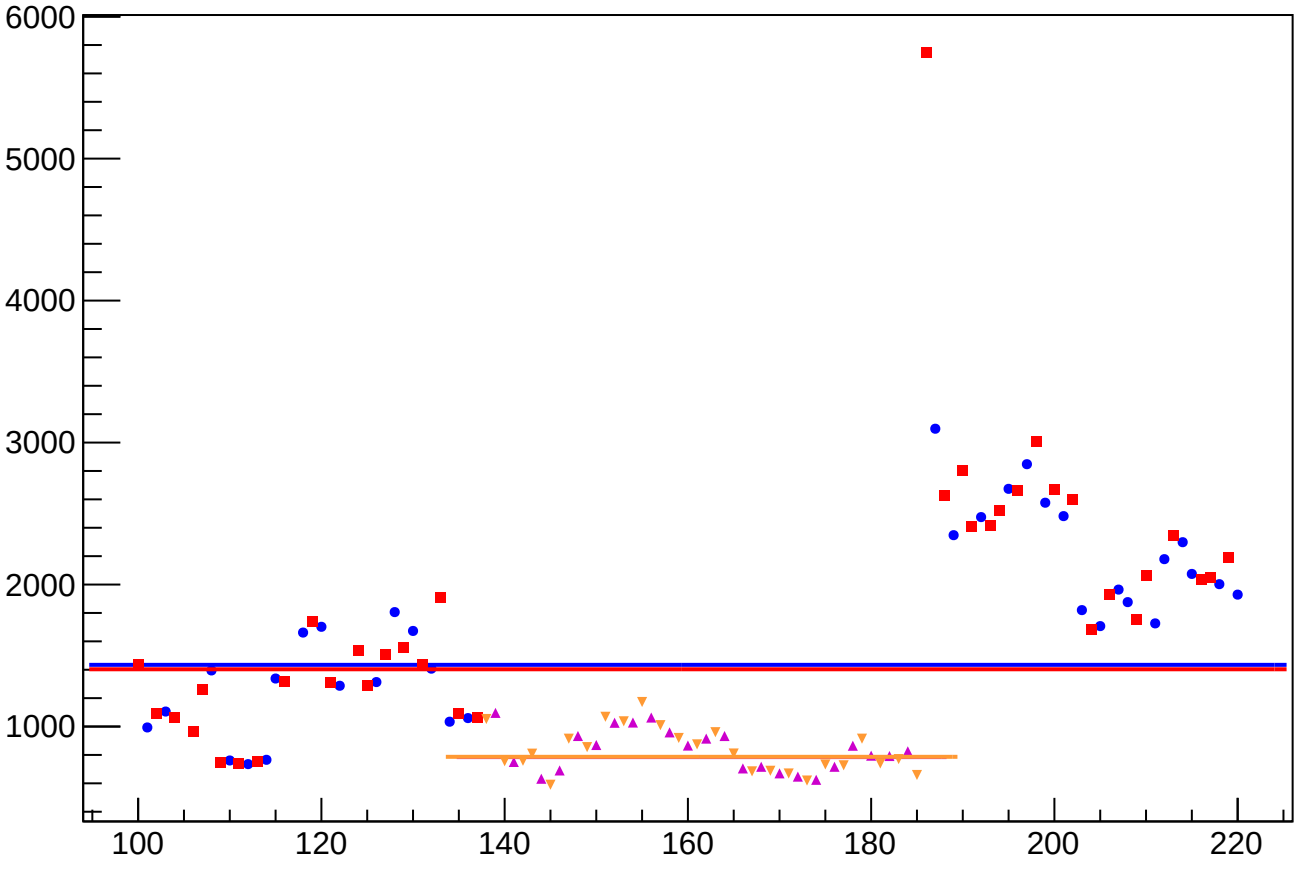
Right: 299.786+/-237.682 χ^2/NDF: 146.7/69

In: -151.628+/-163.346 χ^2/NDF:88.1/55

Out: -294.046+/-159.969 χ^2/NDF:171.7/61

All: -224.325+/-114.290 χ^2/NDF: 260.2/117

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1434.488+/-0.239 χ^2/NDF: 5782354.6/32

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.308+/-0.236 χ^2/NDF: 7432093.4/36

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

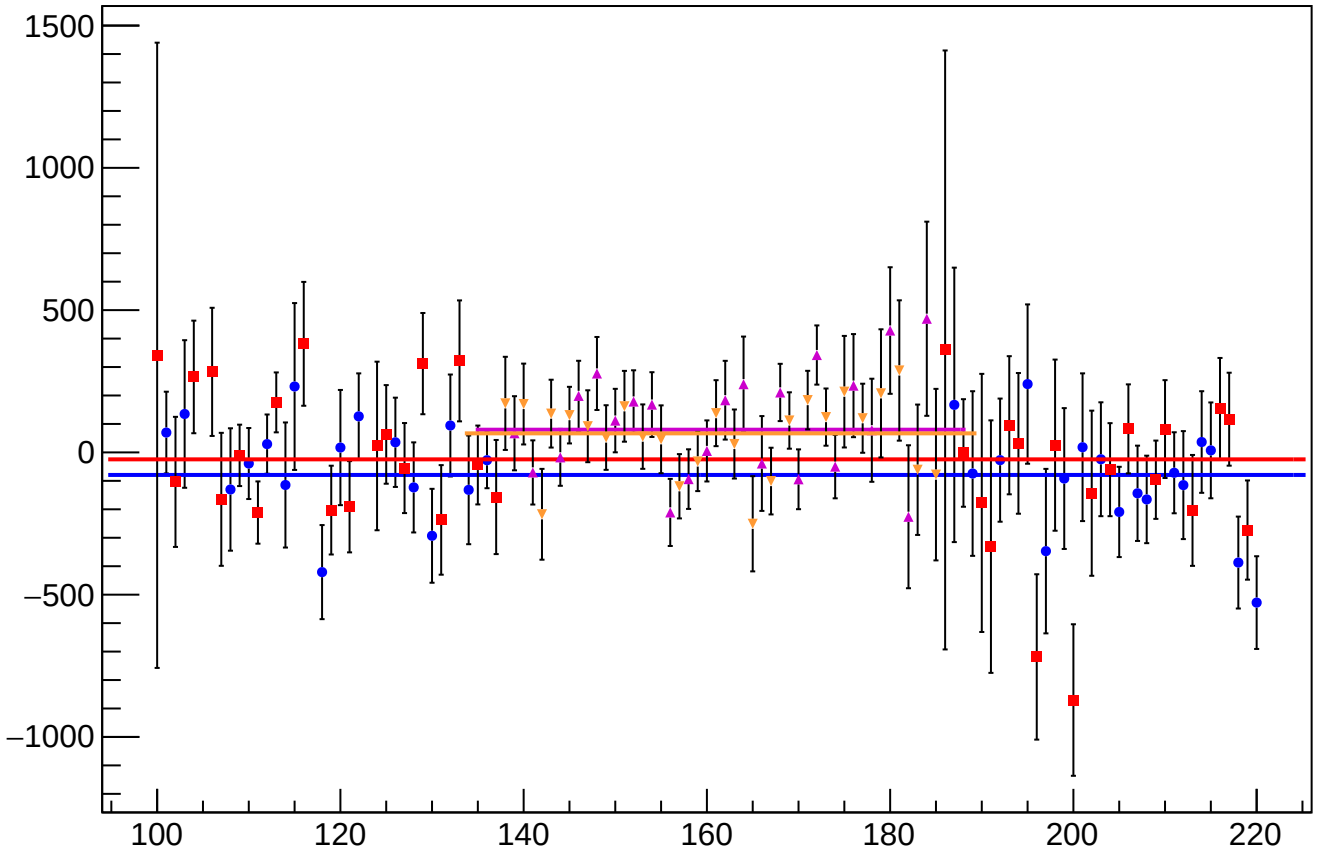
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1418.722+/-0.168 χ^2/NDF: 13223051.3/69

In: 936.522+/-0.116 χ^2/NDF:12508075.5/55

Out: 927.974+/-0.113 χ^2/NDF:13889156.7/61

All: 932.159+/-0.081 χ^2/NDF: 26400028.5/11



Right In: -79.224+/-29.965 χ^2/NDF: 29.9/32

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -24.437+/-30.140 χ^2/NDF: 48.1/36

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

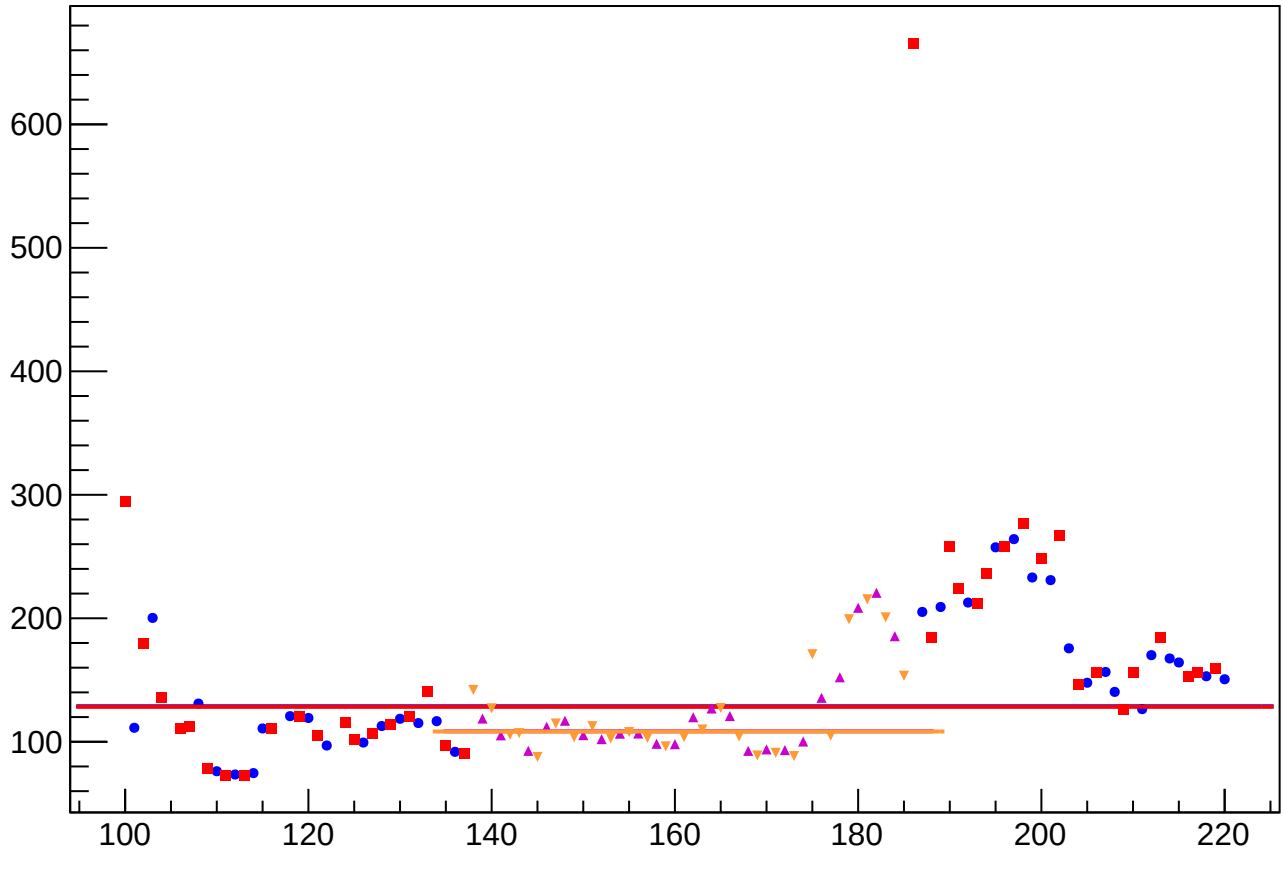
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -51.990+/-21.250 χ^2/NDF: 79.6/69

In: 10.587+/-19.766 χ^2/NDF:82.7/55

Out: 28.648+/-19.505 χ^2/NDF:73.0/61

All: 19.738+/-13.883 χ^2/NDF: 156.1/117



Right In: 128.751+/-0.021 χ^2/NDF: 4324353.4/32

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 128.331+/-0.021 χ^2/NDF: 5799416.1/36

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

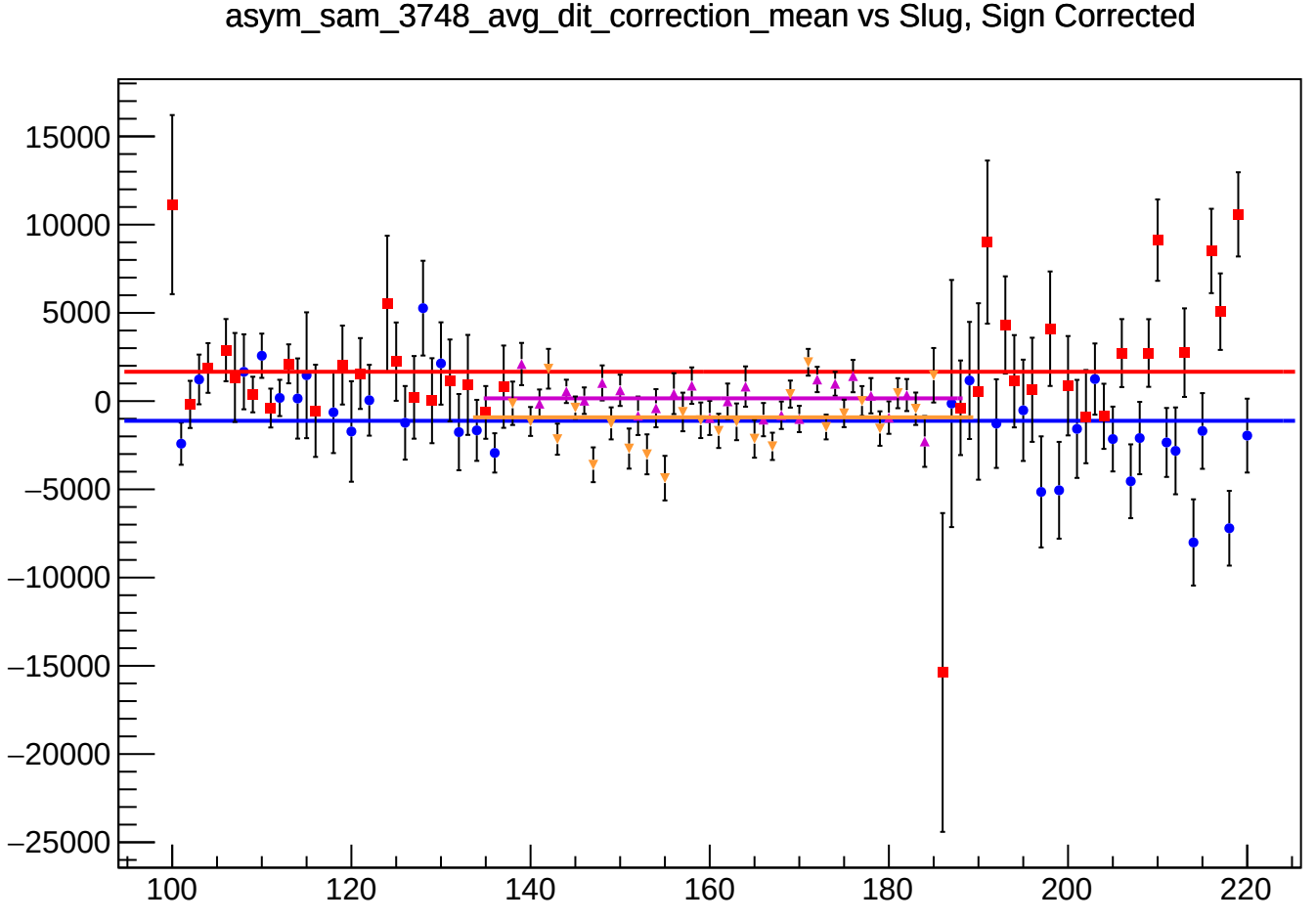
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 128.542+/-0.015 χ^2/NDF: 10123964.4/69

In: 117.307+/-0.014 χ^2/NDF:6220130.7/55

Out: 116.706+/-0.014 χ^2/NDF:8085914.3/61

All: 117.003+/-0.010 χ^2/NDF: 14306981.7/1



Right In: -1117.528+/-337.568 χ^2/NDF: 53.8/32

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 1662.850+/-331.310 χ^2/NDF: 63.6/36

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

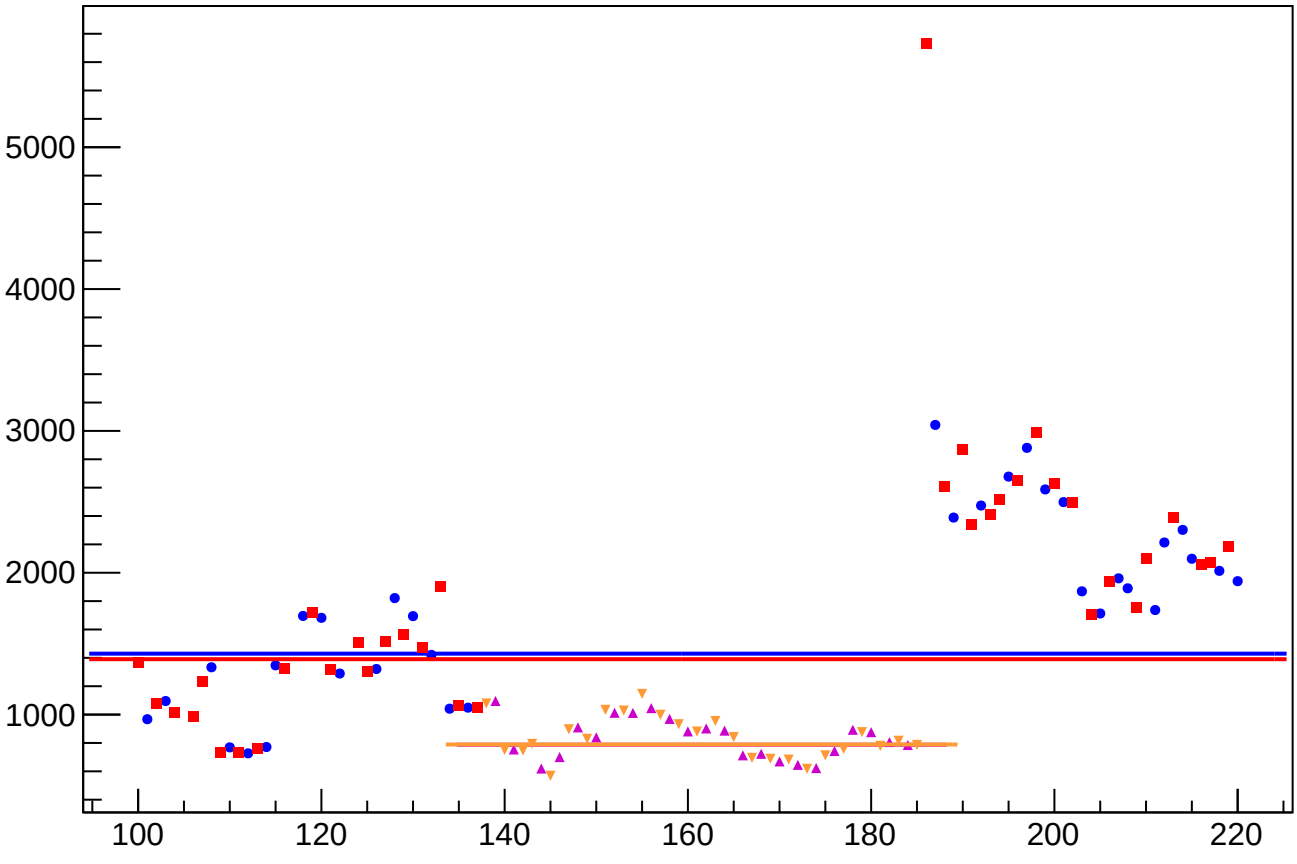
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 298.673+/-236.453 χ^2/NDF: 152.0/69

In: -143.424+/-163.655 χ^2/NDF:87.8/55

Out: -317.956+/-159.826 χ^2/NDF:174.3/61

All: -232.756+/-114.344 χ^2/NDF: 262.7/117



Right In: 1429.577+/-0.239 χ^2/NDF: 5955827.6/32

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1390.589+/-0.234 χ^2/NDF: 7581802.5/36

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

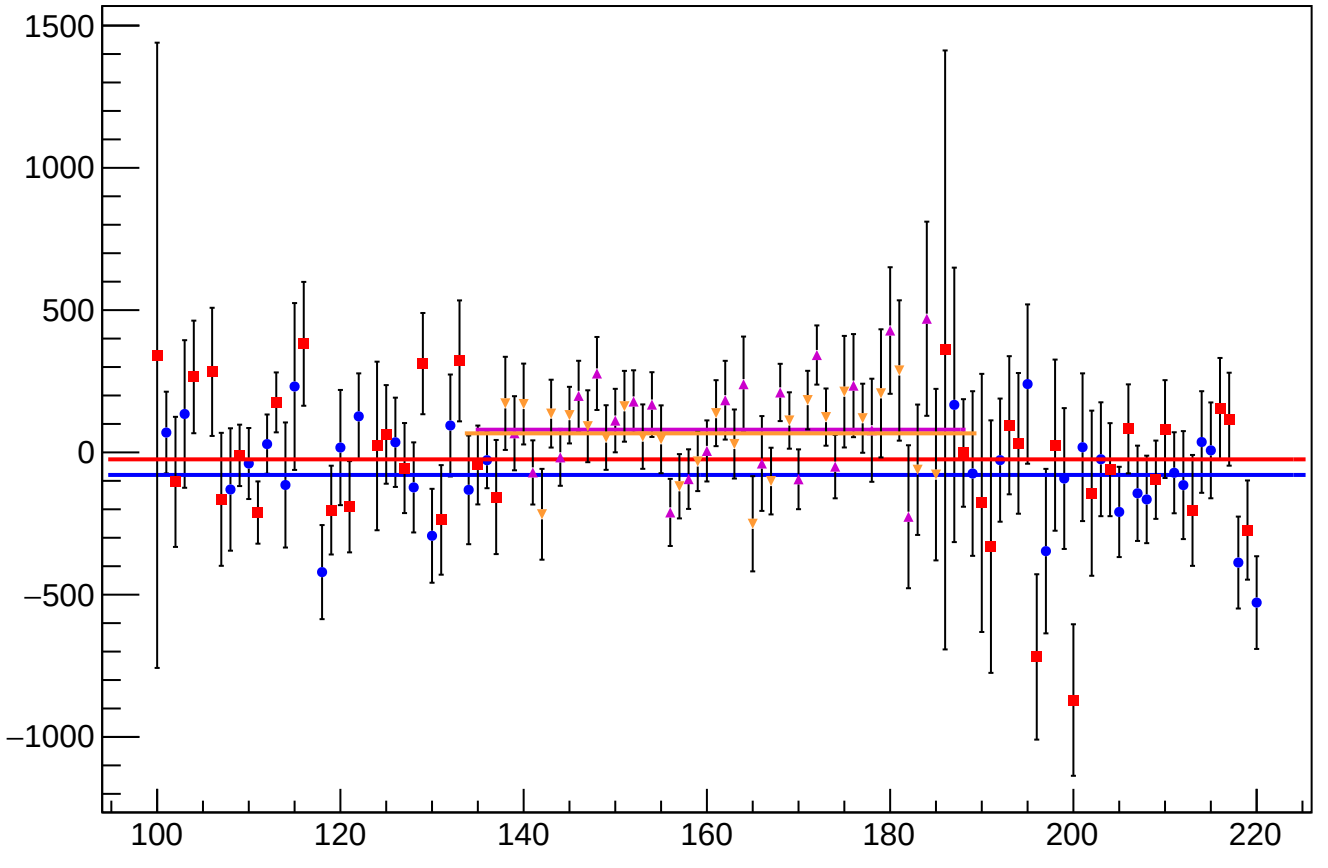
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

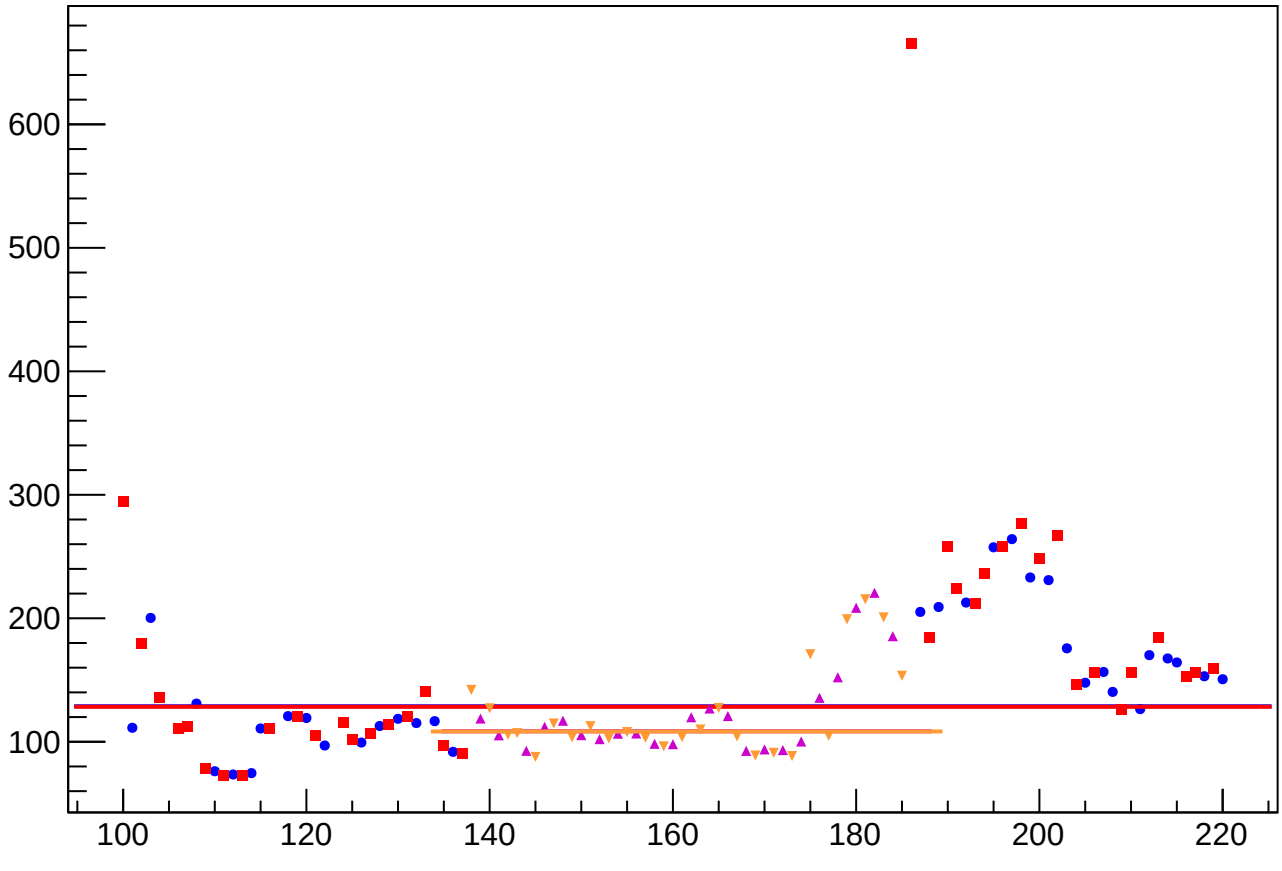
Right: 1409.718+/-0.167 χ^2/NDF: 13551218.7/69

In: 938.328+/-0.116 χ^2/NDF:12534161.0/55

Out: 929.192+/-0.113 χ^2/NDF:13814014.2/61

All: 933.652+/-0.081 χ^2/NDF: 26351365.6/11


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -79.222+/-29.965 χ²/NDF: 29.9/32
Left Out: 66.898+/-25.584 χ²/NDF:19.6/24
Right Out: -24.440+/-30.140 χ²/NDF: 48.1/36
Left In: 79.766+/-26.299 χ²/NDF:36.9/22
Left: 73.154+/-18.338 χ²/NDF: 56.7/47
Right: -51.991+/-21.250 χ²/NDF: 79.6/69
In: 10.588+/-19.766 χ²/NDF:82.7/55
Out: 28.647+/-19.505 χ²/NDF:73.0/61
All: 19.738+/-13.883 χ²/NDF: 156.1/117



Right In: 128.751+/-0.021 χ^2/NDF: 4324335.2/32

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 128.331+/-0.021 χ^2/NDF: 5799413.5/36

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

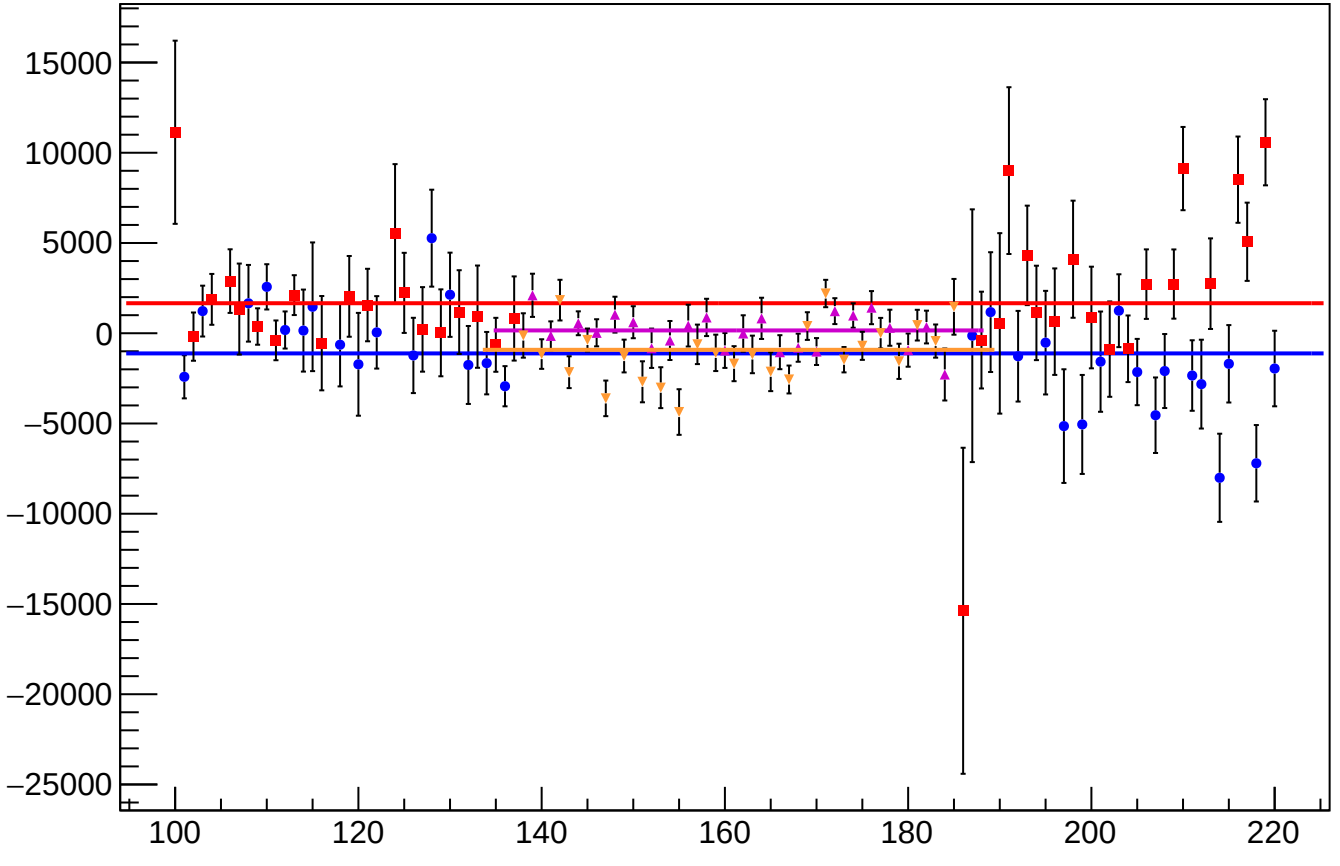
Right: 128.542+/-0.015 χ^2/NDF: 10123943.7/69

In: 117.307+/-0.014 χ^2/NDF:6220082.7/55

Out: 116.706+/-0.014 χ^2/NDF:8085895.7/61

All: 117.003+/-0.010 χ^2/NDF: 14306915.1/11

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1117.525+/-337.568 χ^2/NDF: 53.8/32

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 1662.847+/-331.309 χ^2/NDF: 63.6/36

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

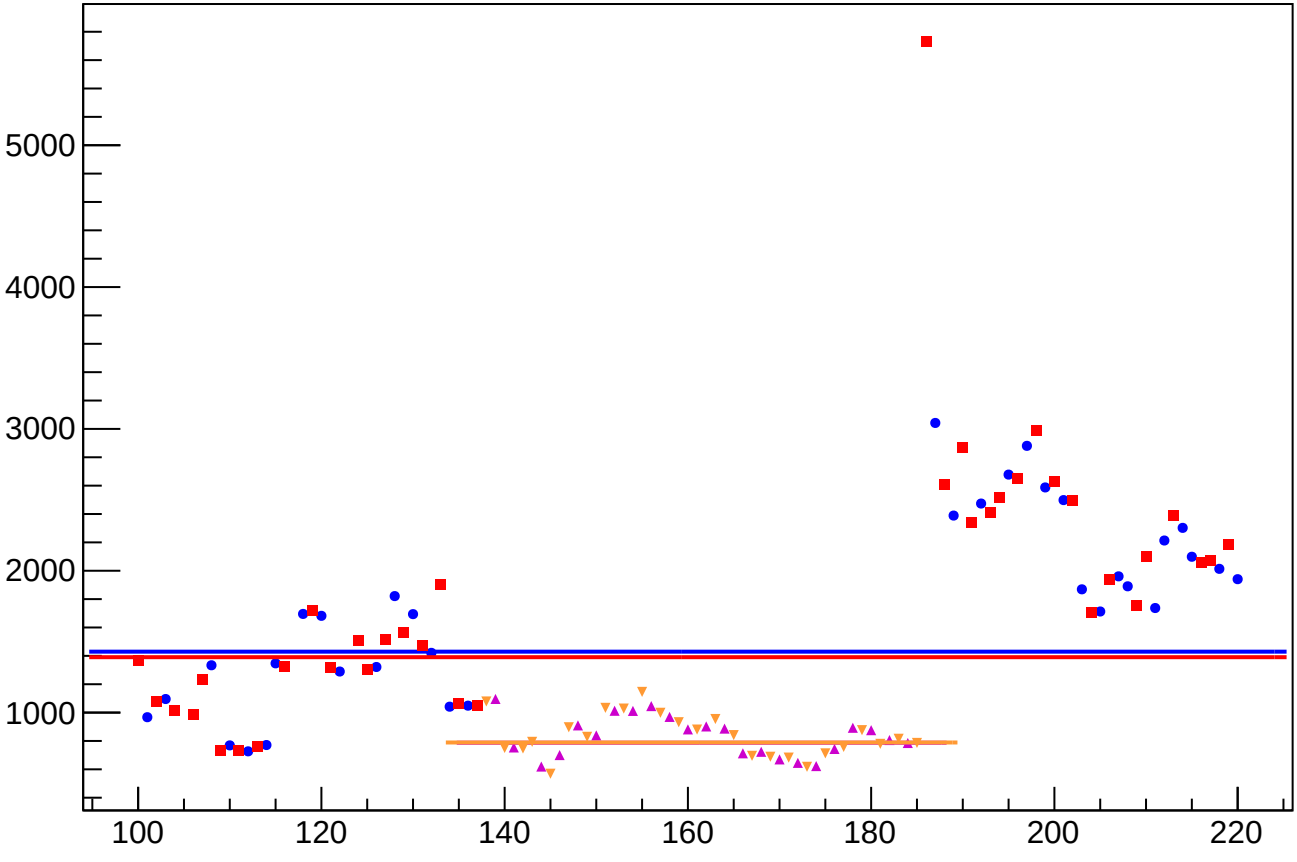
Right: 298.673+/-236.453 χ^2/NDF: 152.0/69

In: -143.424+/-163.655 χ^2/NDF:87.8/55

Out: -317.956+/-159.826 χ^2/NDF:174.3/61

All: -232.756+/-114.344 χ^2/NDF: 262.7/117

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1429.574+/-0.239 χ^2/NDF: 5955841.9/32

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1390.587+/-0.234 χ^2/NDF: 7581812.0/36

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

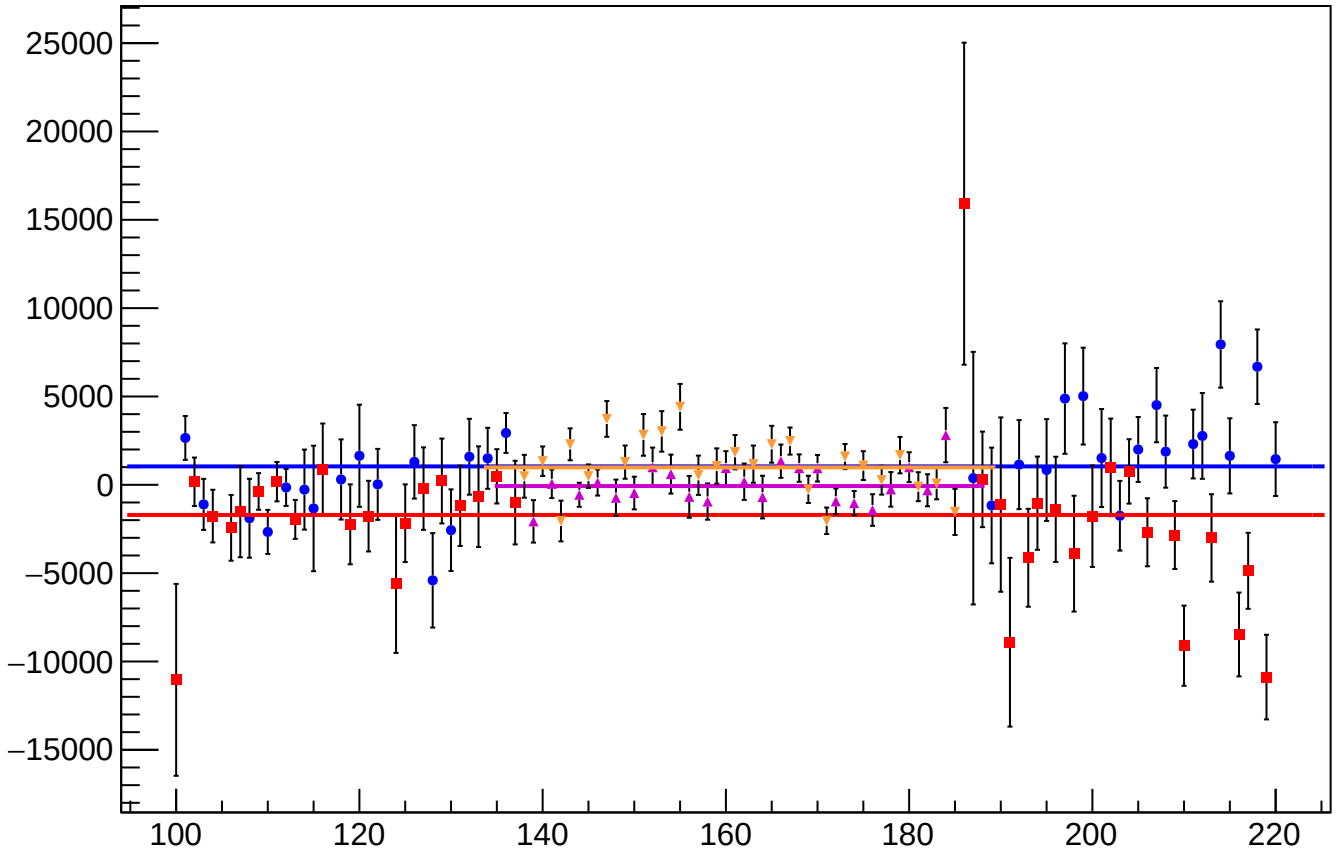
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1409.716+/-0.167 χ^2/NDF: 13551242.4/69

In: 938.326+/-0.116 χ^2/NDF:12534176.7/55

Out: 929.190+/-0.113 χ^2/NDF:13814030.5/61

All: 933.650+/-0.081 χ^2/NDF: 26351397.7/11



Right In: 1042.486+/-339.589 χ^2/NDF: 53.6/32

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -1705.802+/-335.416 χ^2/NDF: 62.1/36

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

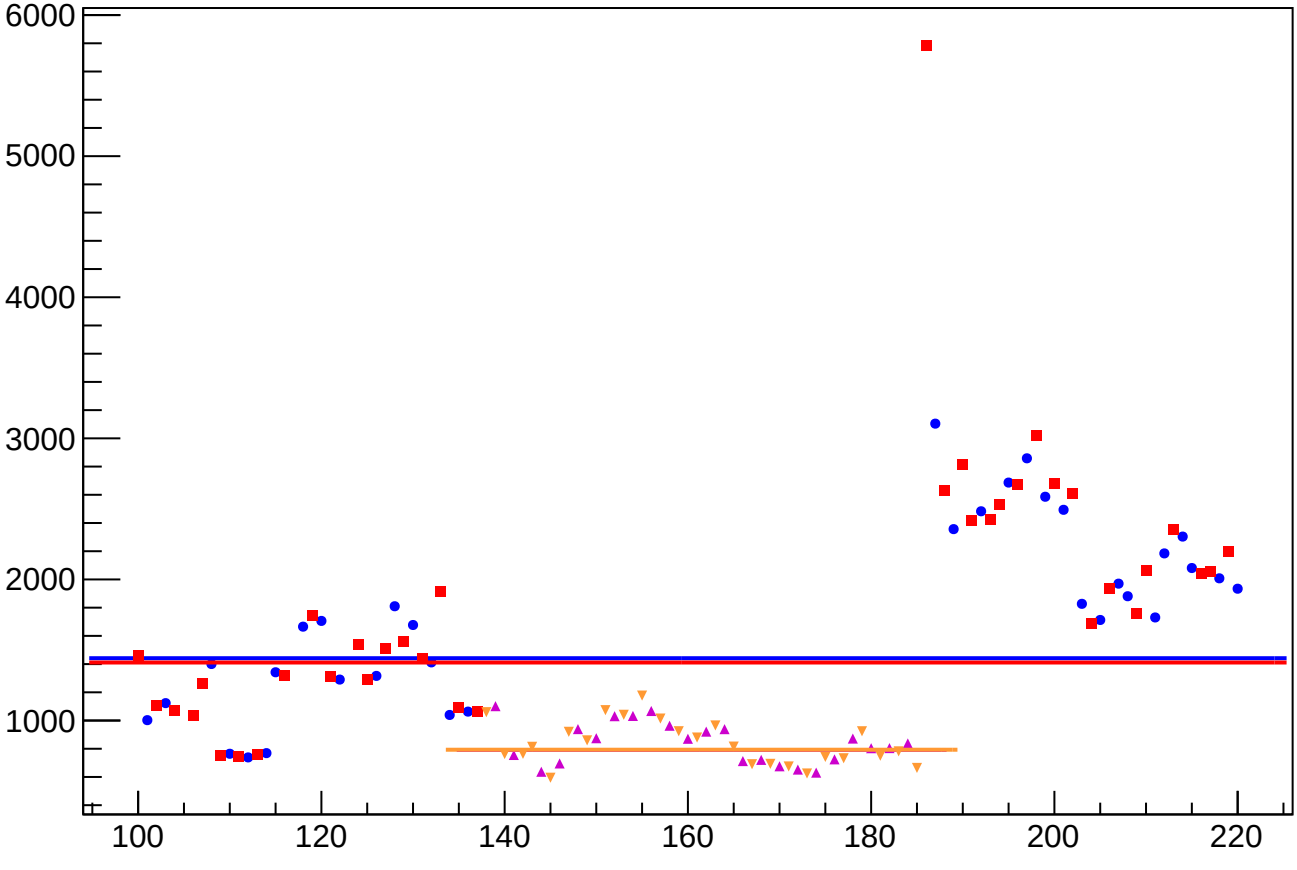
Right: -348.648+/-238.637 χ^2/NDF: 148.9/69

In: 190.982+/-164.501 χ^2/NDF:86.3/55

Out: 365.144+/-161.052 χ^2/NDF:175.3/61

All: 279.908+/-115.081 χ^2/NDF: 262.2/117

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1441.716+/-0.240 χ^2/NDF: 5749744.2/32

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1411.249+/-0.237 χ^2/NDF: 7382228.7/36

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

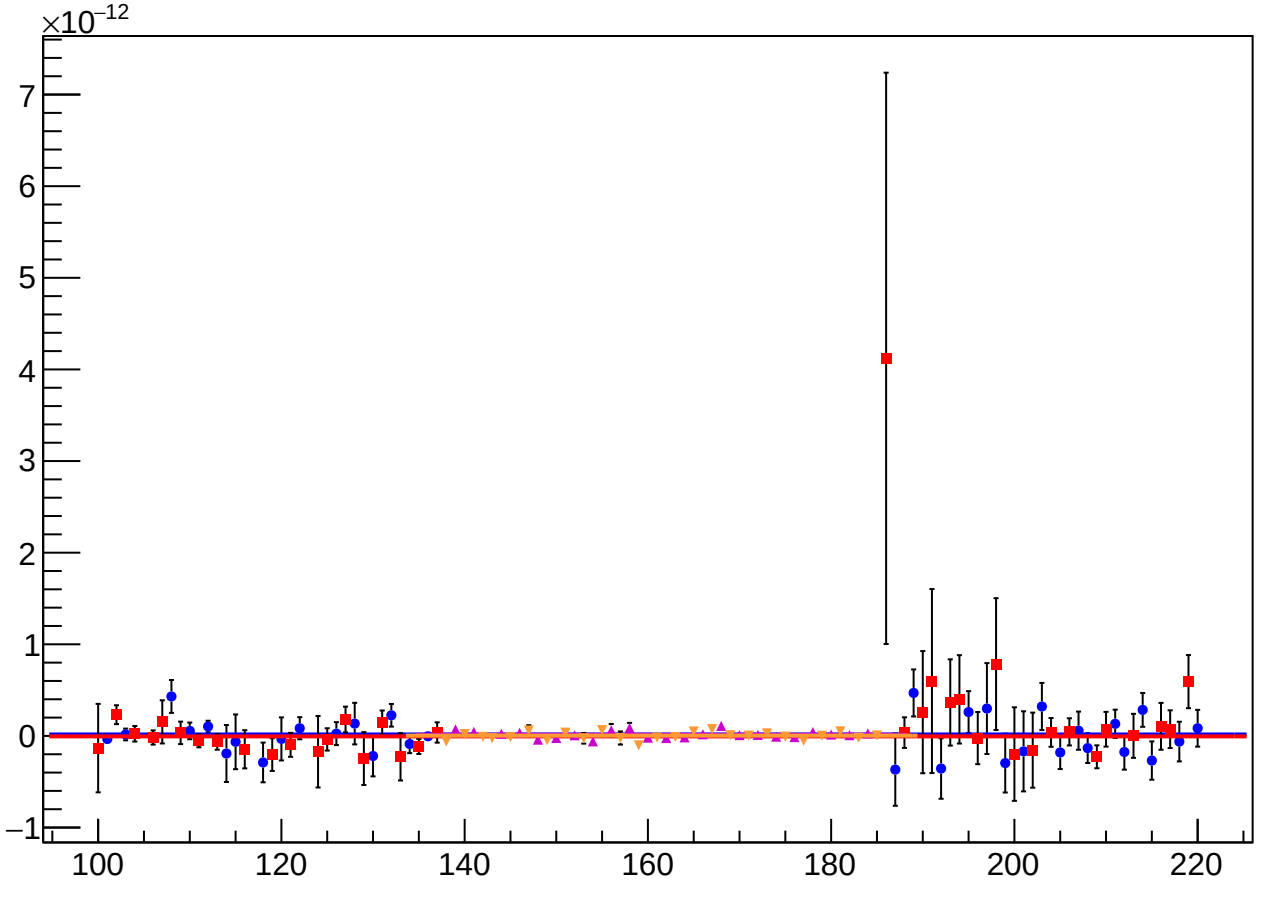
Right: 1426.294+/-0.169 χ^2/NDF: 13140121.4/69

In: 943.813+/-0.116 χ^2/NDF:12416500.4/55

Out: 935.576+/-0.114 χ^2/NDF:13803753.7/61

All: 939.607+/-0.081 χ^2/NDF: 26222814.2/11

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 34.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/36

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

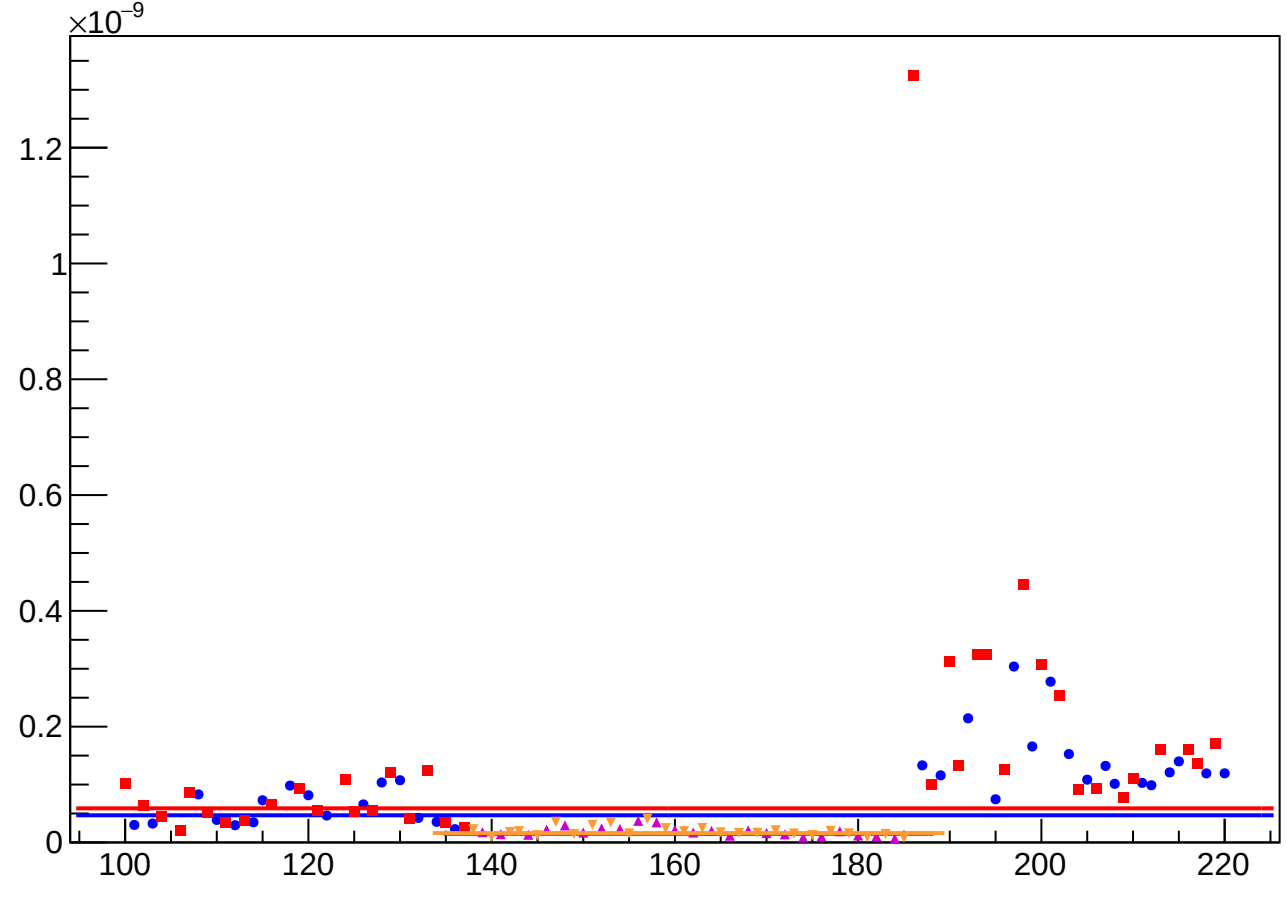
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 63.6/69

In: 0.000+/-0.000 χ^2/NDF:59.3/55

Out: 0.000+/-0.000 χ^2/NDF:63.2/61

All: 0.000+/-0.000 χ^2/NDF: 123.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 6719811.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6918844.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

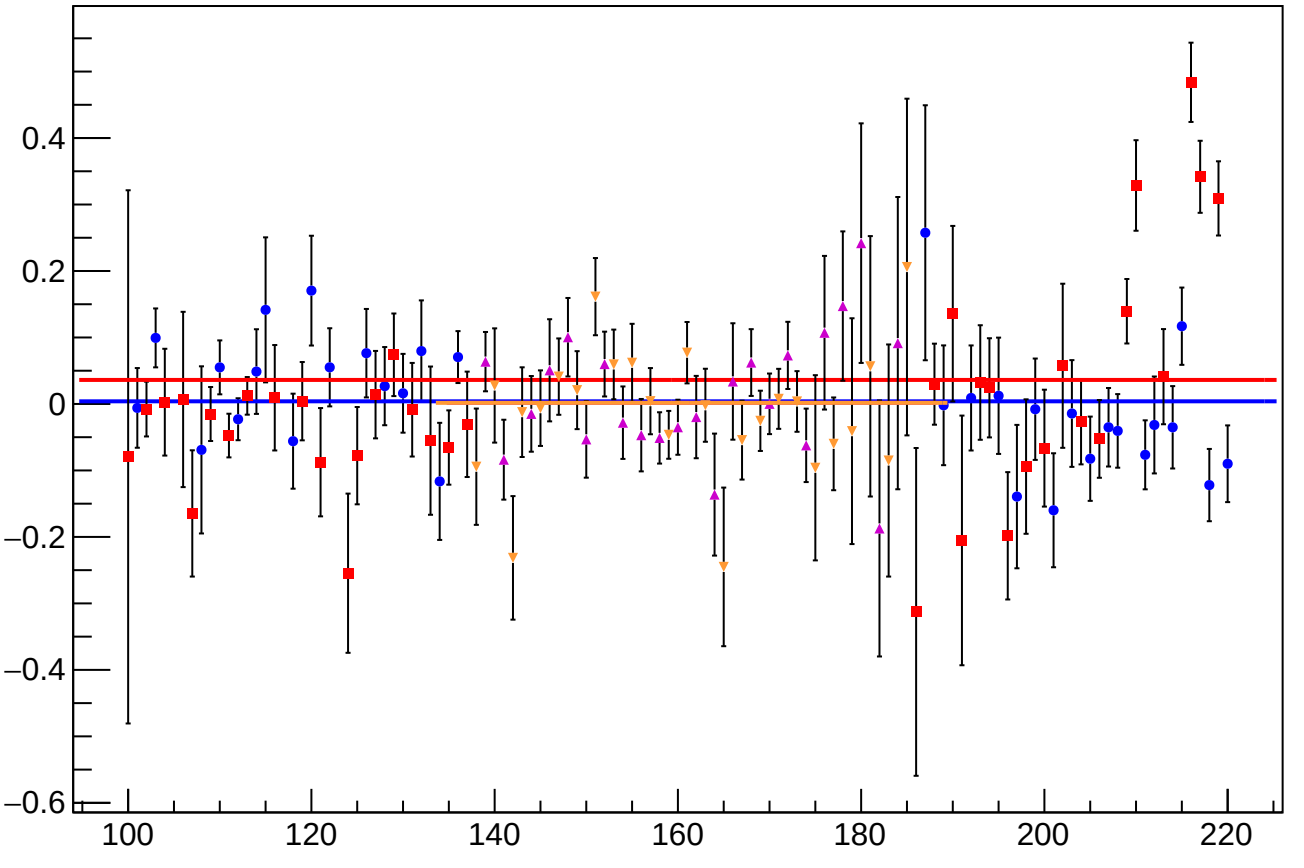
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13927668.5/69

In: 0.000+/-0.000 χ^2/NDF:12942841.5/55

Out: 0.000+/-0.000 χ^2/NDF:14442849.6/61

All: 0.000+/-0.000 χ^2/NDF: 27427462.5/117



Right In: 0.004+/-0.011 χ^2/NDF: 47.1/32

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

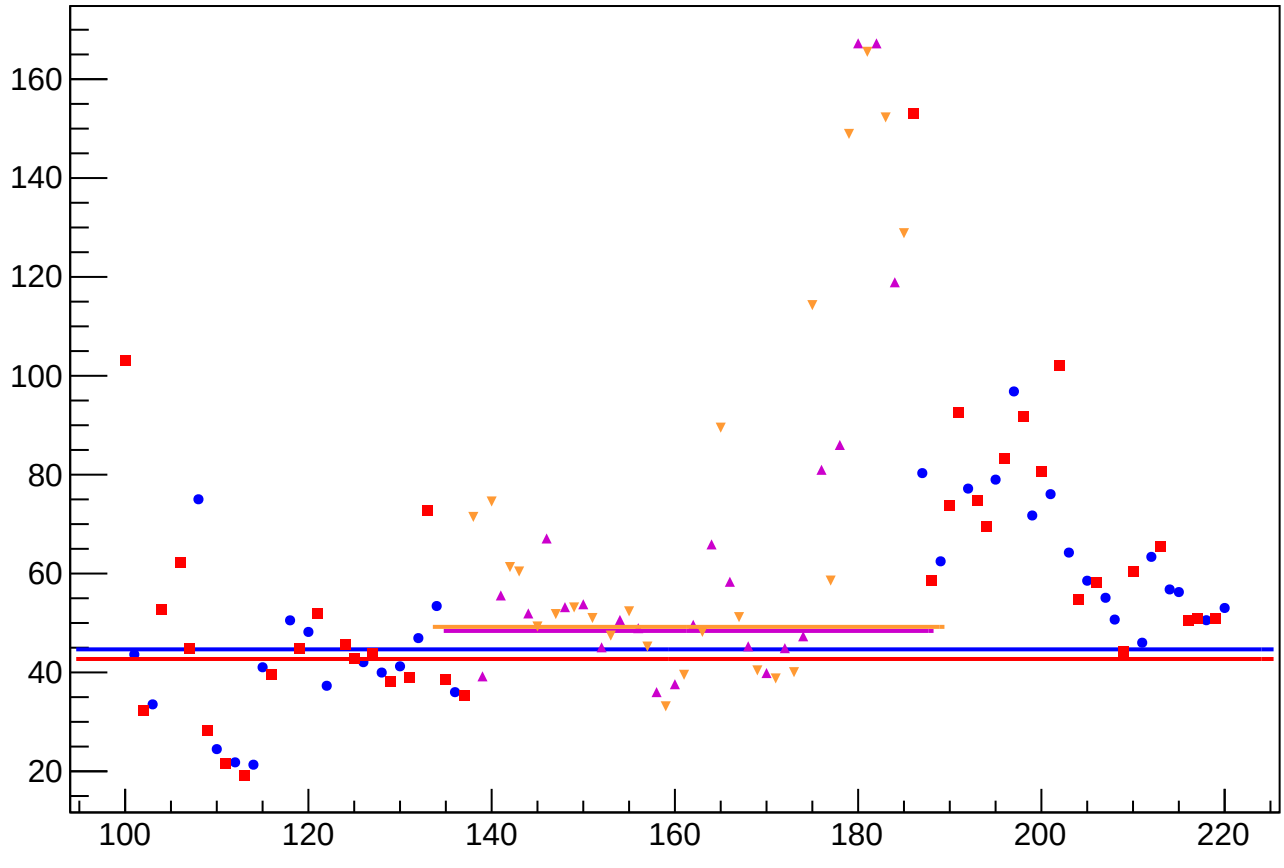
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.020+/-0.007 χ^2/NDF: 234.8/69

In: 0.003+/-0.008 χ^2/NDF:73.2/55

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.013+/-0.006 χ^2/NDF: 293.9/117



Right In: 44.665+/-0.008 χ^2/NDF: 4687460.7/32

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

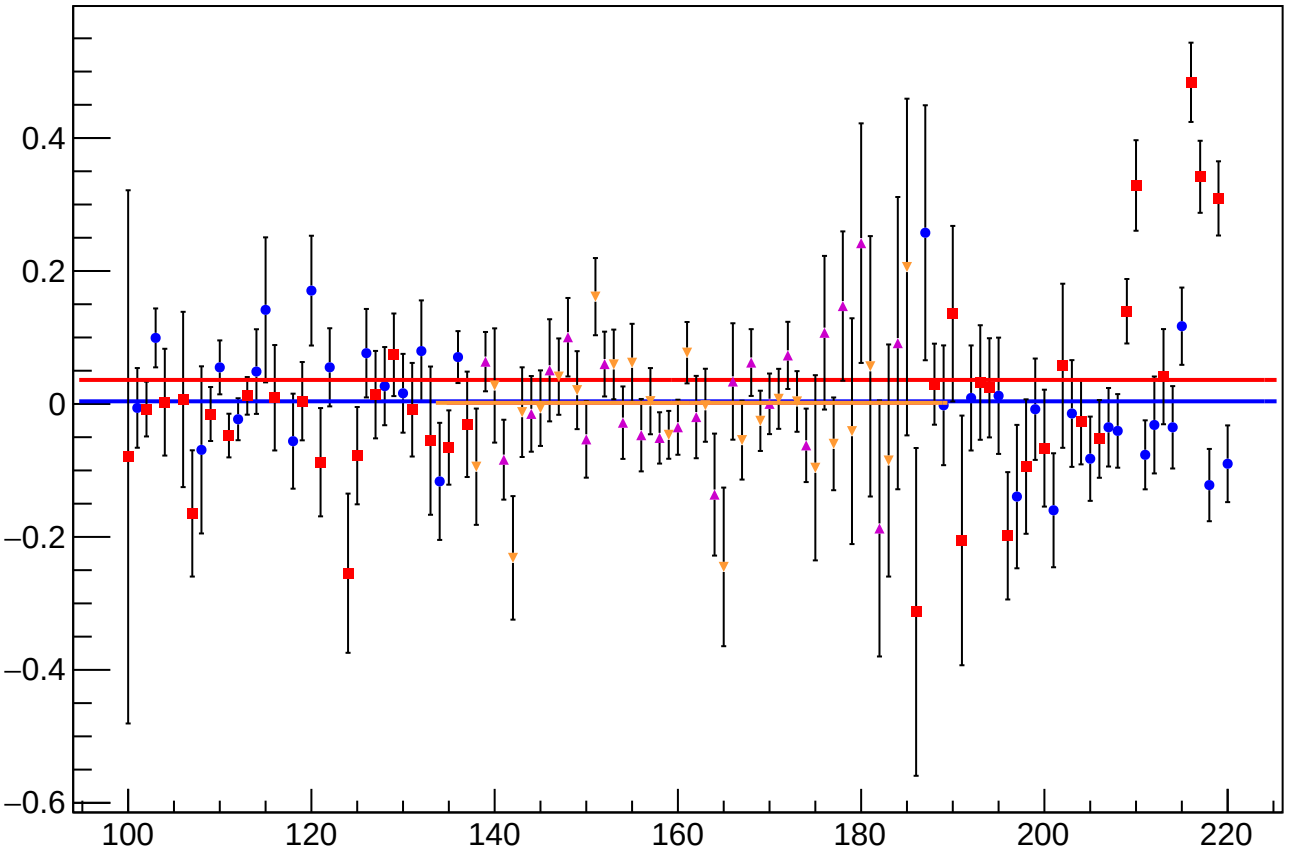
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.668+/-0.005 χ^2/NDF: 11326800.1/69

In: 46.255+/-0.006 χ^2/NDF:7824839.0/55

Out: 45.433+/-0.006 χ^2/NDF:11102083.4/61

All: 45.837+/-0.004 χ^2/NDF: 18937440.9/117



Right In: 0.004+/-0.011 χ^2/NDF: 47.1/32

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

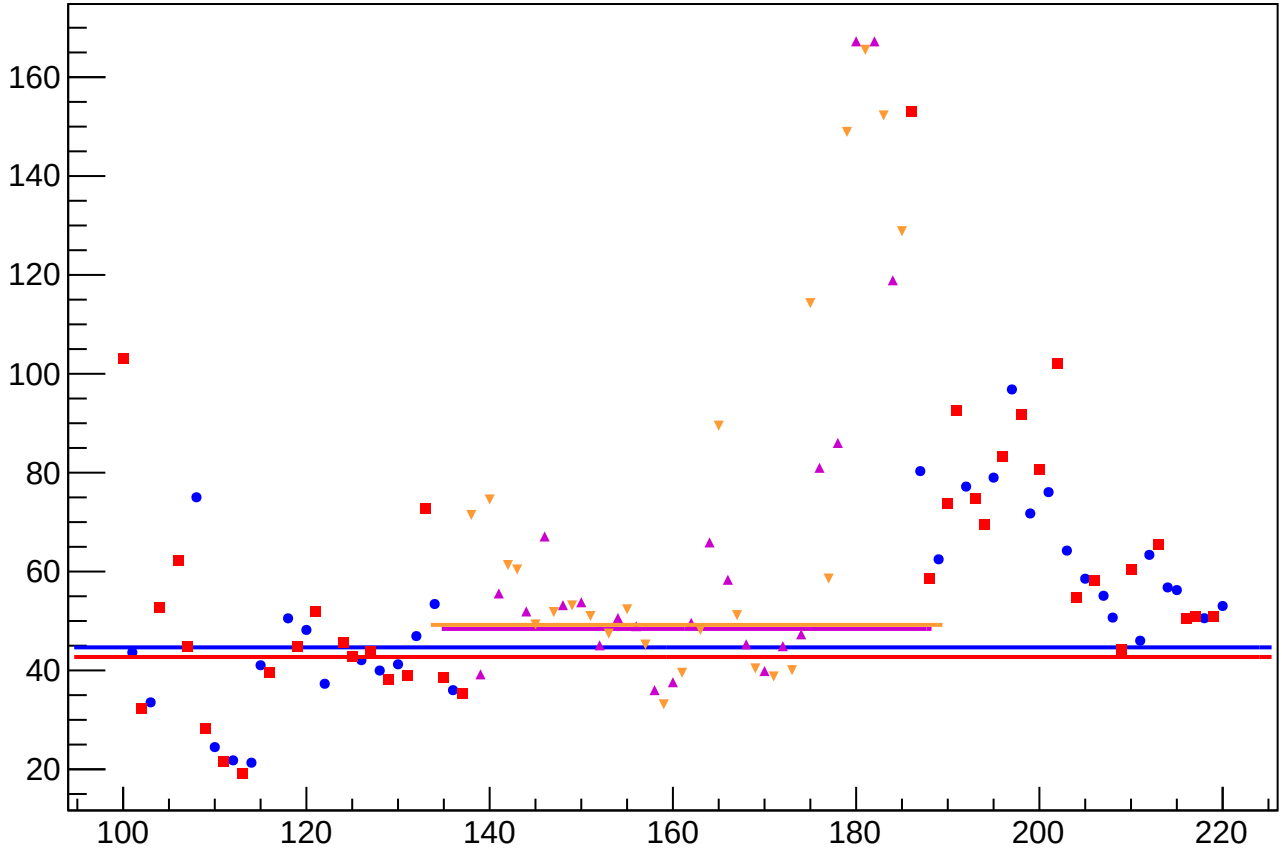
Right: 0.020+/-0.007 χ^2/NDF: 234.8/69

In: 0.003+/-0.008 χ^2/NDF:73.2/55

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.013+/-0.006 χ^2/NDF: 293.9/117

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.665+/-0.008 χ^2/NDF: 4687460.7/32

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

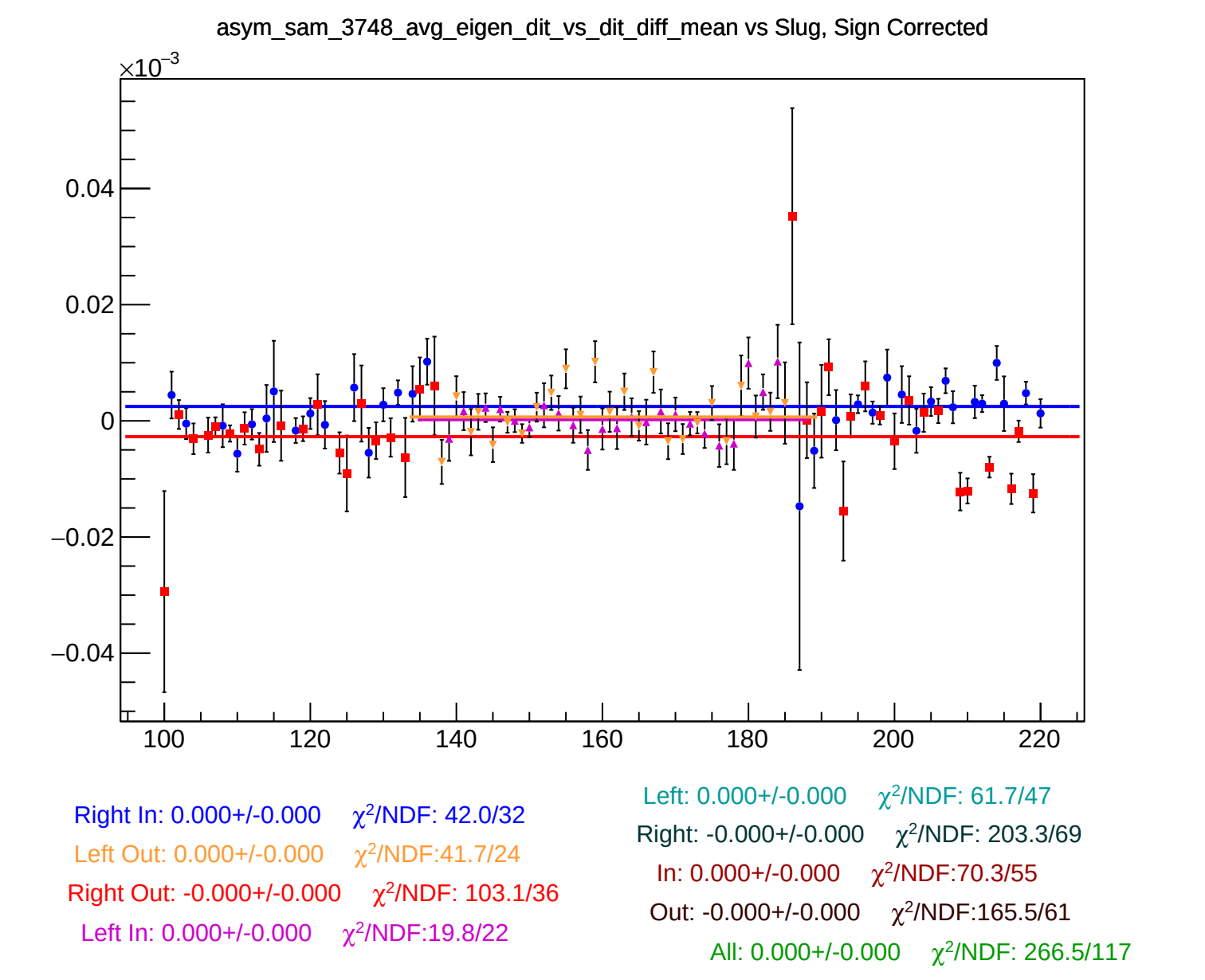
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.668+/-0.005 χ^2/NDF: 11326800.1/69

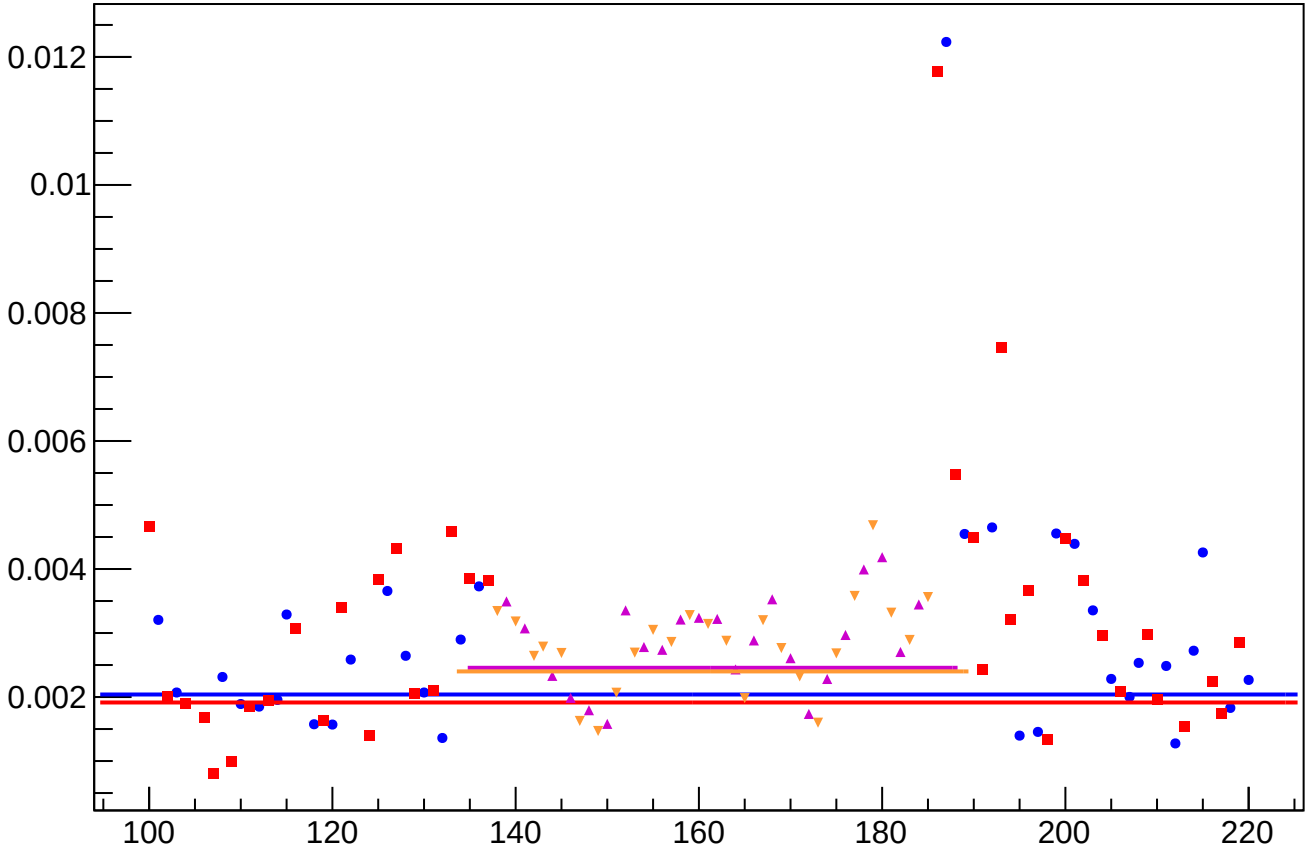
In: 46.255+/-0.006 χ^2/NDF:7824839.0/55

Out: 45.433+/-0.006 χ^2/NDF:11102083.4/61

All: 45.837+/-0.004 χ^2/NDF: 18937440.9/117


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 42.0/32
Left Out: 0.000+/-0.000 χ²/NDF:41.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 103.1/36
Left In: 0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 61.7/47
Right: -0.000+/-0.000 χ²/NDF: 203.3/69
In: 0.000+/-0.000 χ²/NDF:70.3/55
Out: -0.000+/-0.000 χ²/NDF:165.5/61
All: 0.000+/-0.000 χ²/NDF: 266.5/117

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5404266.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8091961.3/36

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

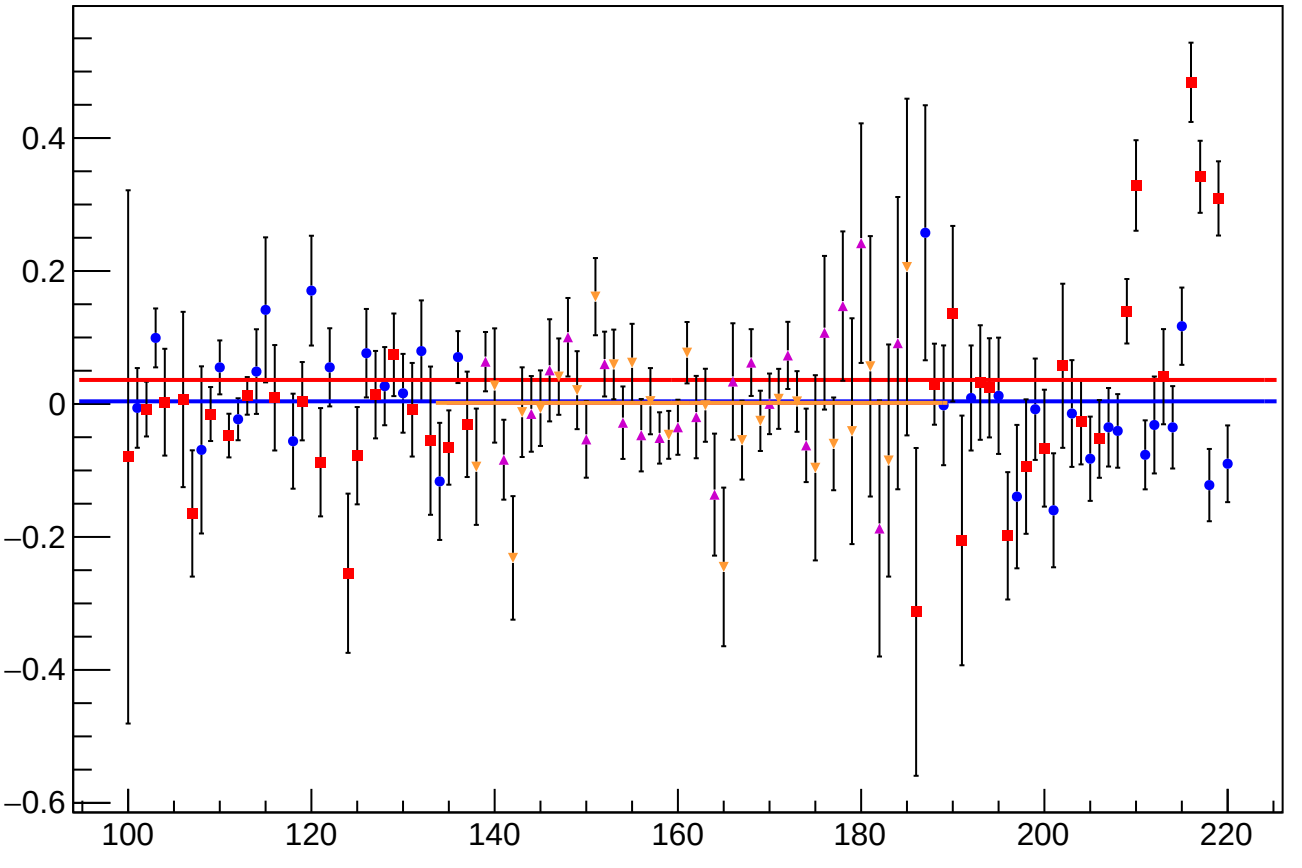
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 13563188.6/69

In: 0.002+/-0.000 χ^2/NDF:8611455.7/55

Out: 0.002+/-0.000 χ^2/NDF:12068437.4/61

All: 0.002+/-0.000 χ^2/NDF: 20744306.1/117



Right In: 0.004+/-0.011 χ^2/NDF: 47.1/32

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

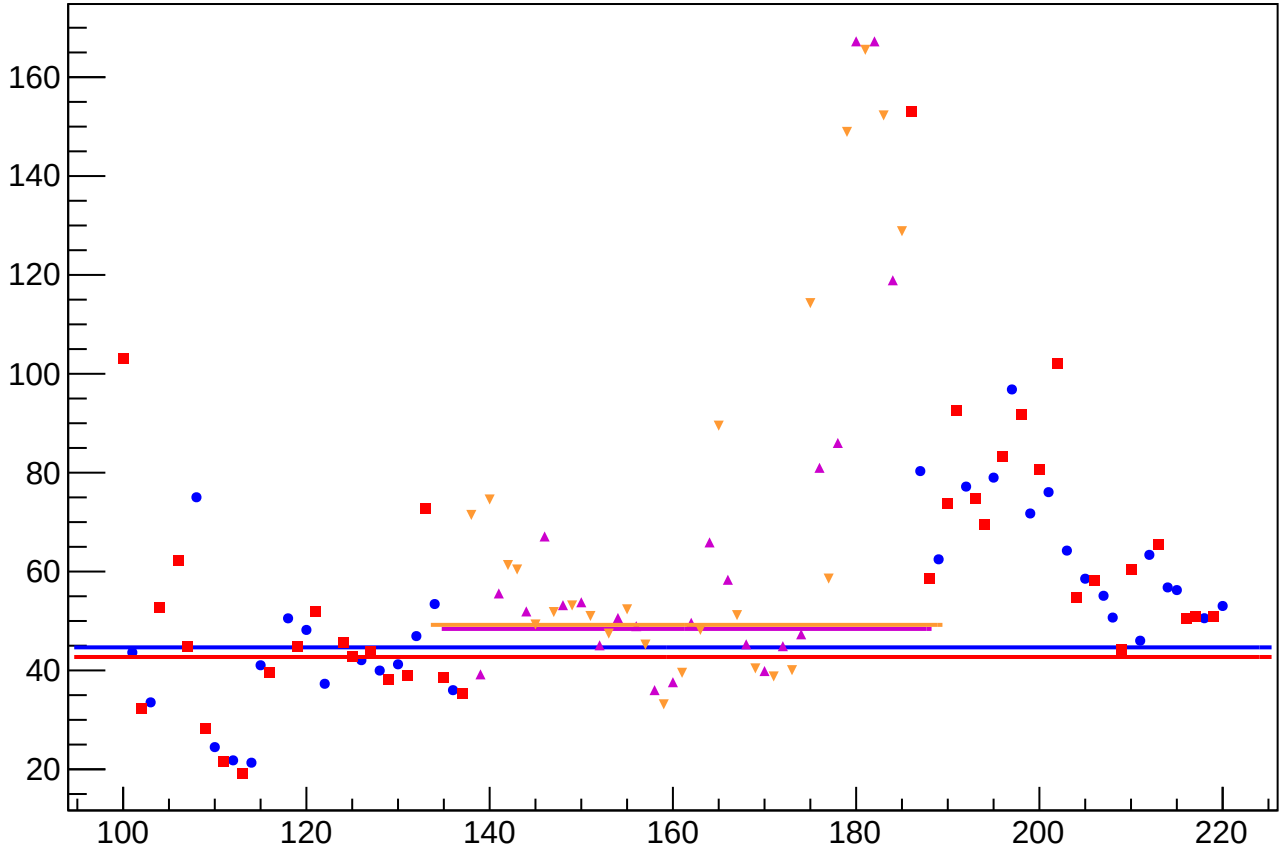
Right: 0.020+/-0.007 χ^2/NDF: 234.8/69

In: 0.003+/-0.008 χ^2/NDF:73.2/55

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.013+/-0.006 χ^2/NDF: 293.9/117

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.666+/-0.008 χ^2/NDF: 4687304.9/32

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

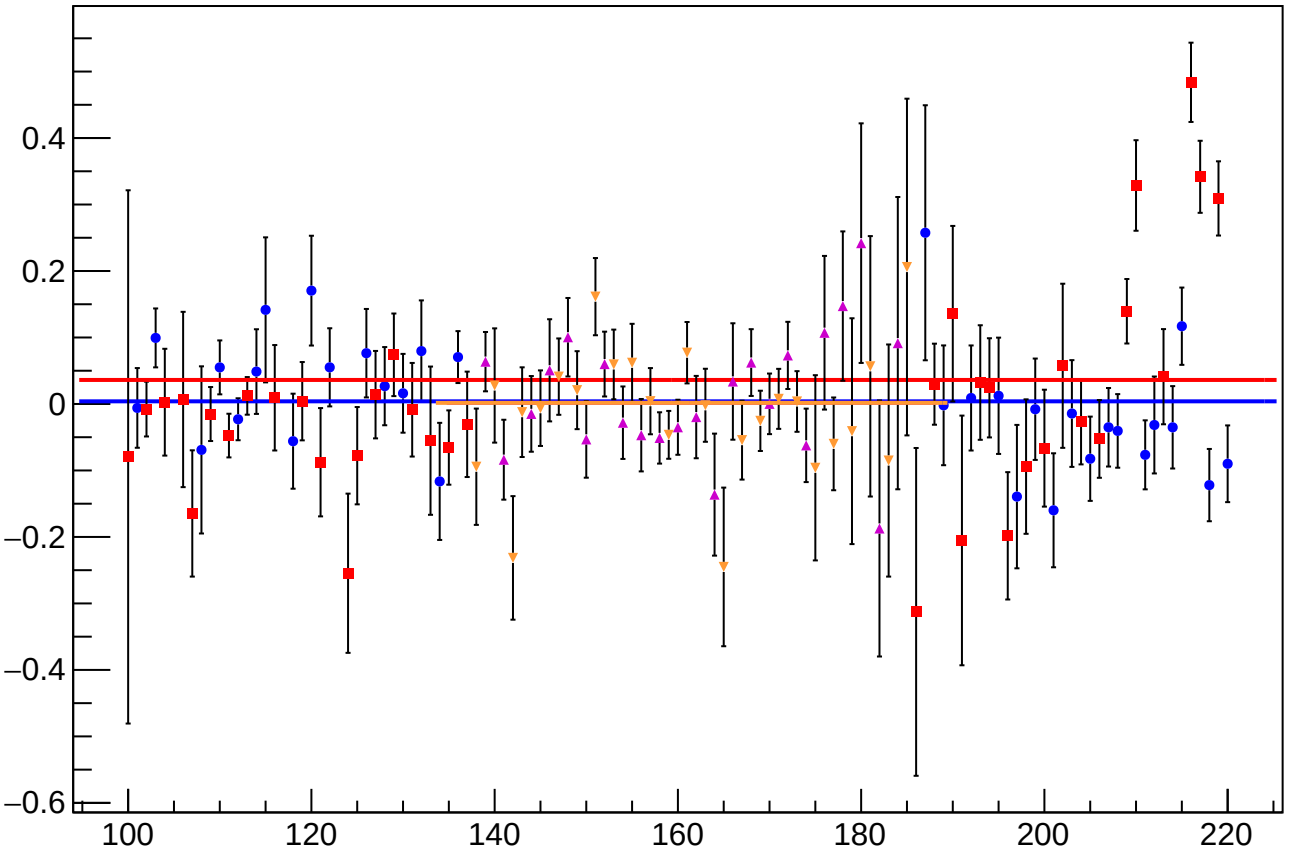
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.668+/-0.005 χ^2/NDF: 11326533.8/69

In: 46.255+/-0.006 χ^2/NDF:7824662.2/55

Out: 45.433+/-0.006 χ^2/NDF:11101959.5/61

All: 45.837+/-0.004 χ^2/NDF: 18937138.7/117



Right In: 0.004+/-0.011 χ^2/NDF: 47.1/32

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

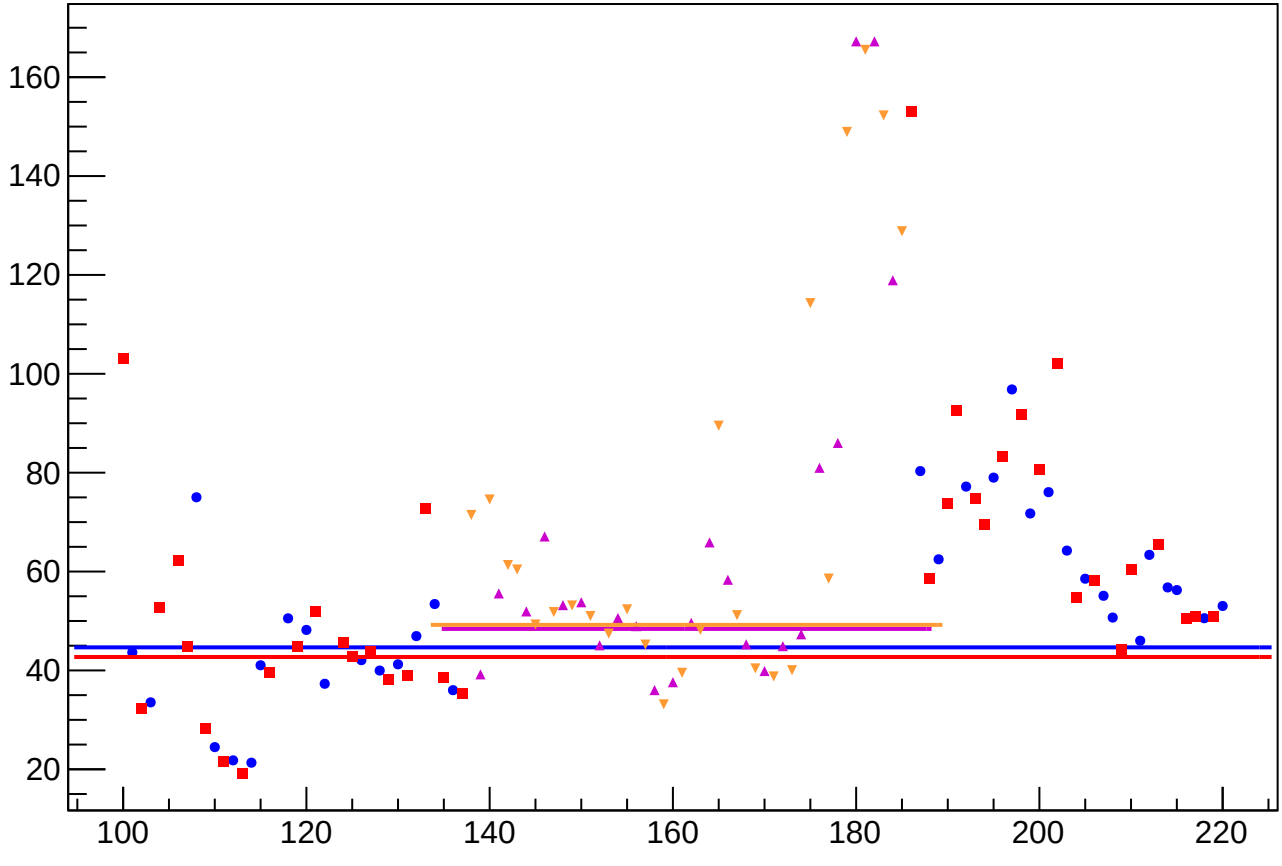
Right: 0.020+/-0.007 χ^2/NDF: 234.8/69

In: 0.003+/-0.008 χ^2/NDF:73.2/55

Out: 0.022+/-0.008 χ^2/NDF:218.0/61

All: 0.013+/-0.006 χ^2/NDF: 293.9/117

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.666+/-0.008 χ^2/NDF: 4687304.9/32

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

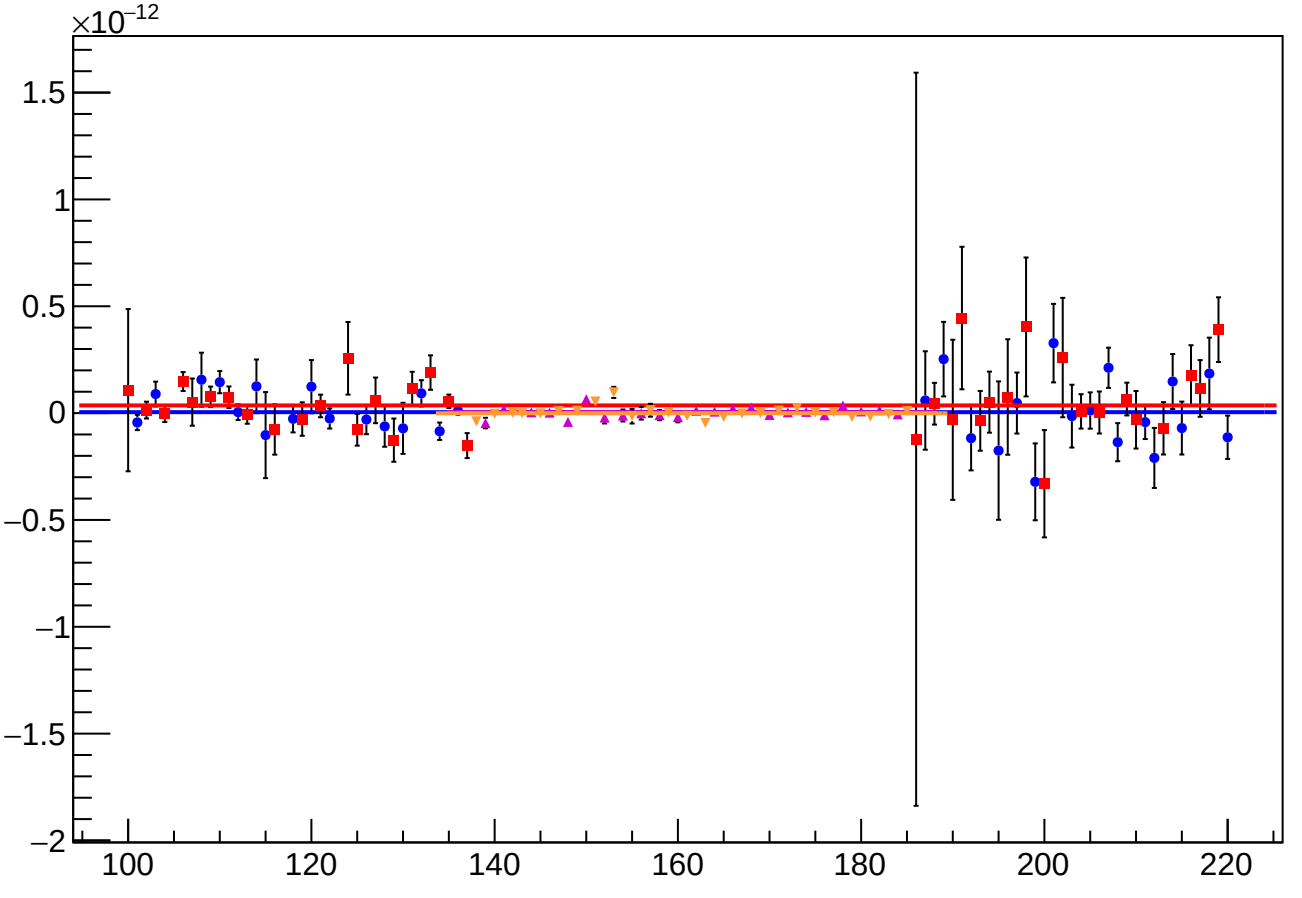
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.668+/-0.005 χ^2/NDF: 11326533.8/69

In: 46.255+/-0.006 χ^2/NDF:7824662.2/55

Out: 45.433+/-0.006 χ^2/NDF:11101959.5/61

All: 45.837+/-0.004 χ^2/NDF: 18937138.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 47.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.7/36

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

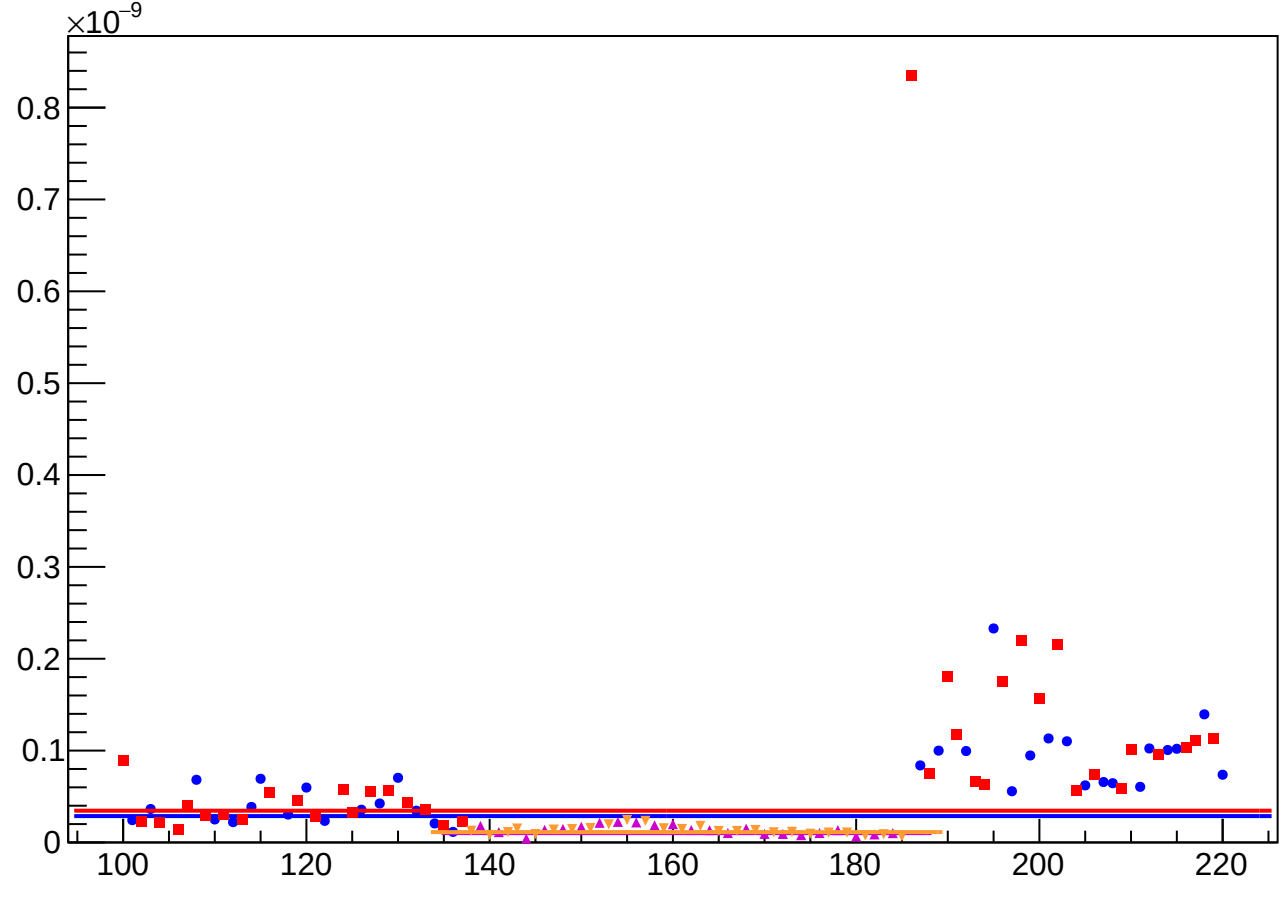
Right: 0.000+/-0.000 χ^2/NDF: 98.7/69

In: 0.000+/-0.000 χ^2/NDF:75.7/55

Out: 0.000+/-0.000 χ^2/NDF:93.2/61

All: 0.000+/-0.000 χ^2/NDF: 169.5/117

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10423563.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9231722.2/36

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

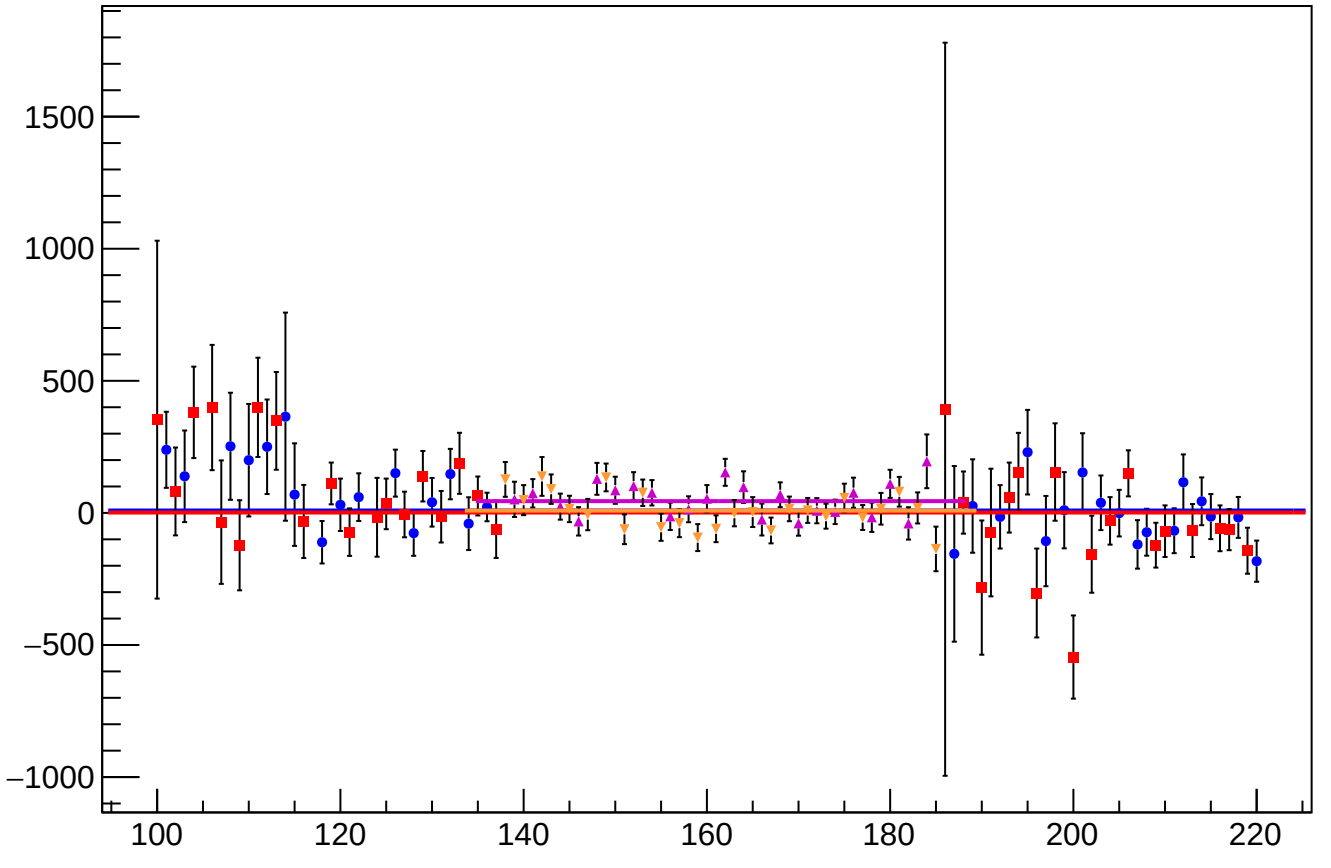
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 19922543.9/69

In: 0.000+/-0.000 χ^2/NDF:19994822.3/55

Out: 0.000+/-0.000 χ^2/NDF:18359216.6/61

All: 0.000+/-0.000 χ^2/NDF: 38511191.4/117



Right In: 9.094+/-18.050 χ^2/NDF: 31.4/32

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 1.447+/-18.998 χ^2/NDF: 55.3/36

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

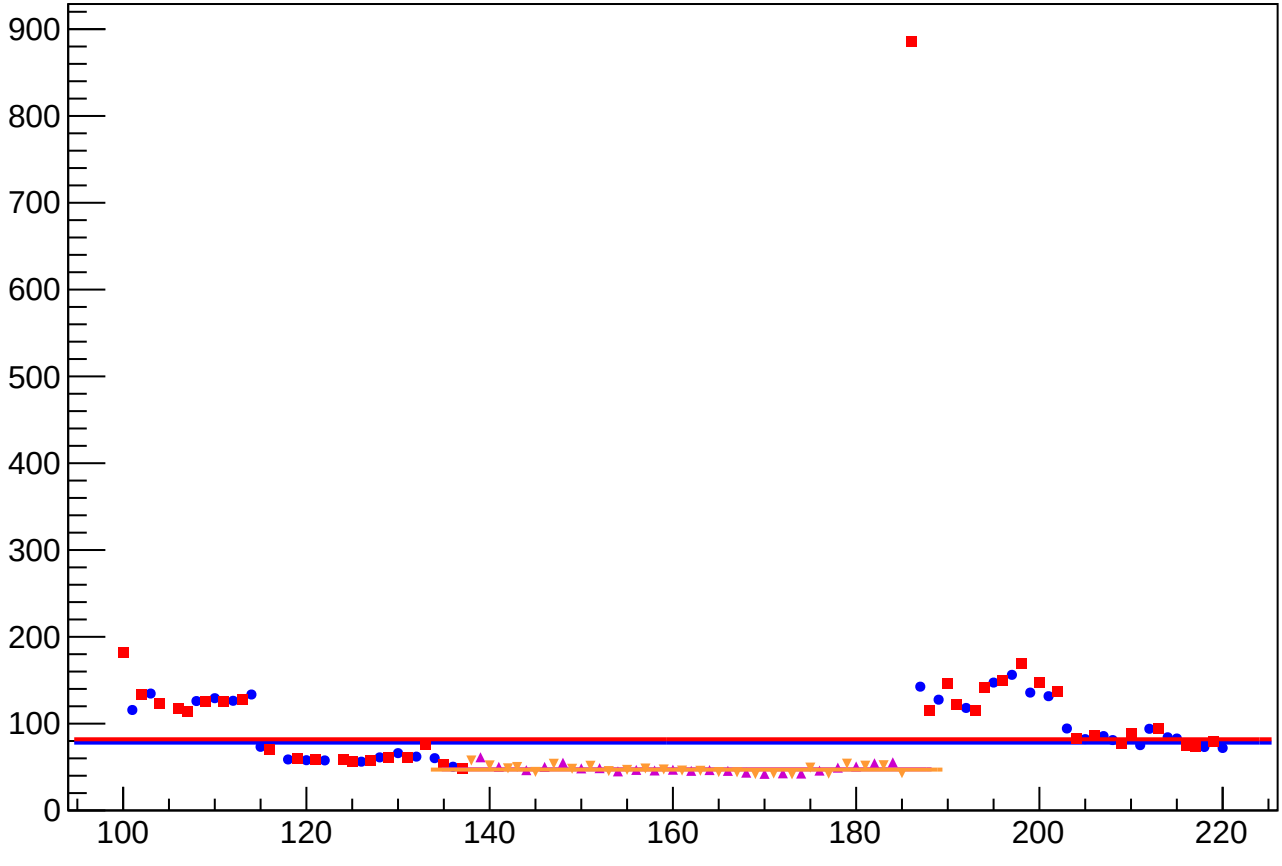
Right: 5.466+/-13.085 χ^2/NDF: 86.8/69

In: 34.753+/-9.485 χ^2/NDF:61.3/55

Out: 6.978+/-9.369 χ^2/NDF:90.0/61

All: 20.694+/-6.666 χ^2/NDF: 155.6/117

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 78.123+/-0.013 χ^2/NDF: 3926072.0/32

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 81.989+/-0.013 χ^2/NDF: 5072428.3/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

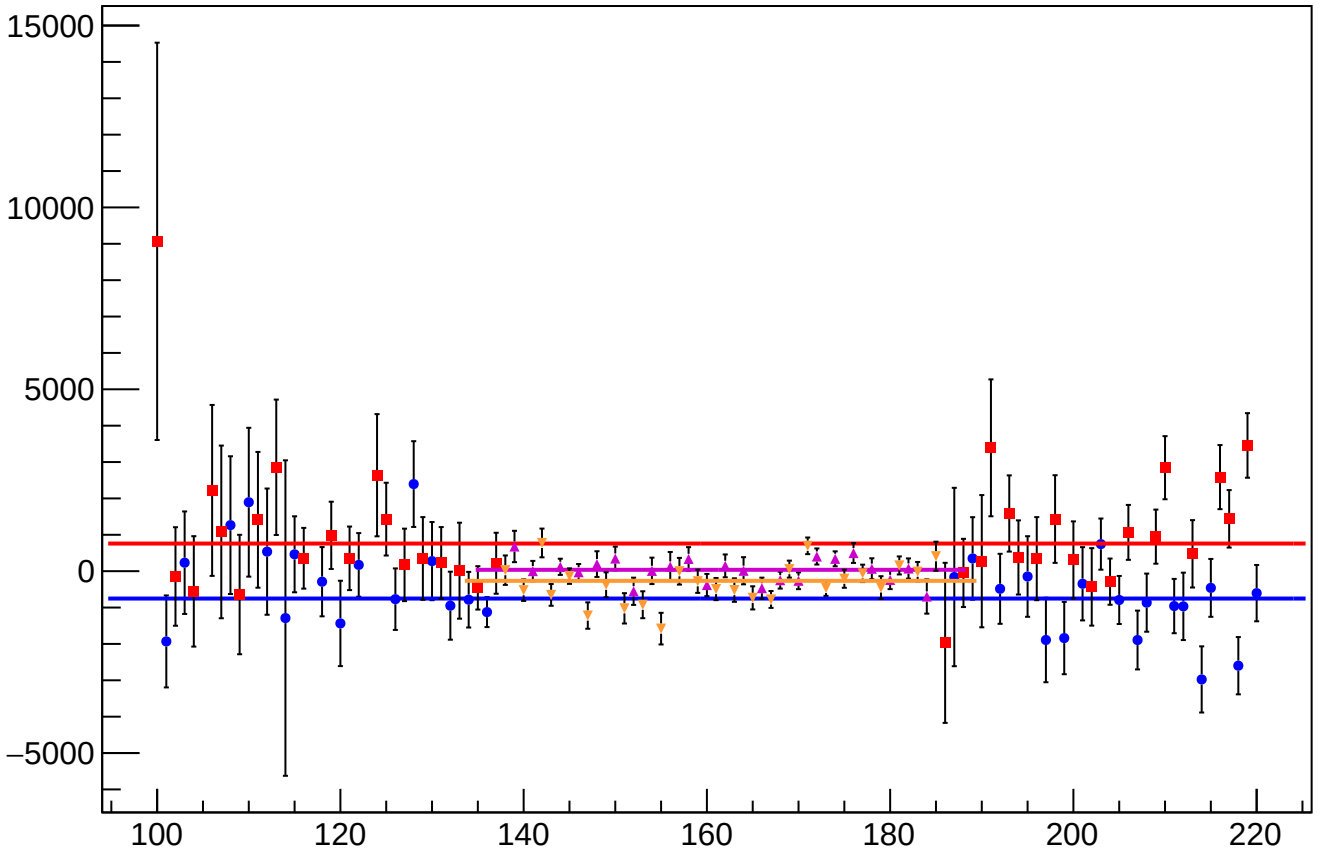
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.957+/-0.009 χ^2/NDF: 9042038.7/69

In: 55.872+/-0.007 χ^2/NDF:8395864.0/55

Out: 55.558+/-0.007 χ^2/NDF:10475397.8/61

All: 55.713+/-0.005 χ^2/NDF: 18872373.0/117



Right In: -752.679+/-158.453 χ^2/NDF: 38.7/32

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 759.249+/-169.195 χ^2/NDF: 44.0/36

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

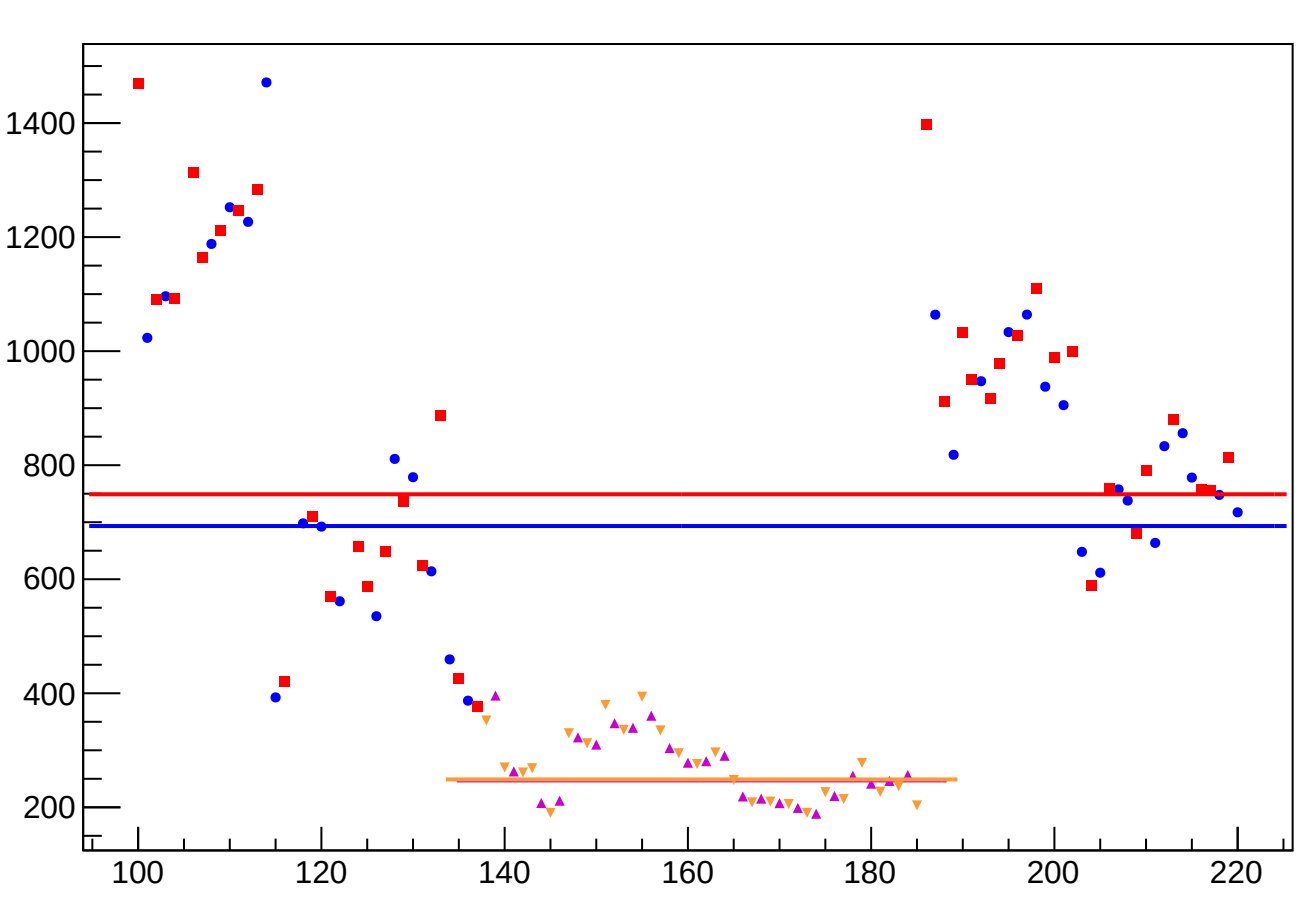
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -46.230+/-115.655 χ^2/NDF: 125.2/69

In: -59.145+/-55.423 χ^2/NDF:87.2/55

Out: -157.803+/-54.892 χ^2/NDF:146.6/61

All: -108.949+/-39.001 χ^2/NDF: 235.3/117



Right In: 693.295+/-0.112 χ^2/NDF: 3474562.4/32

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 748.997+/-0.120 χ^2/NDF: 3588043.1/36

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

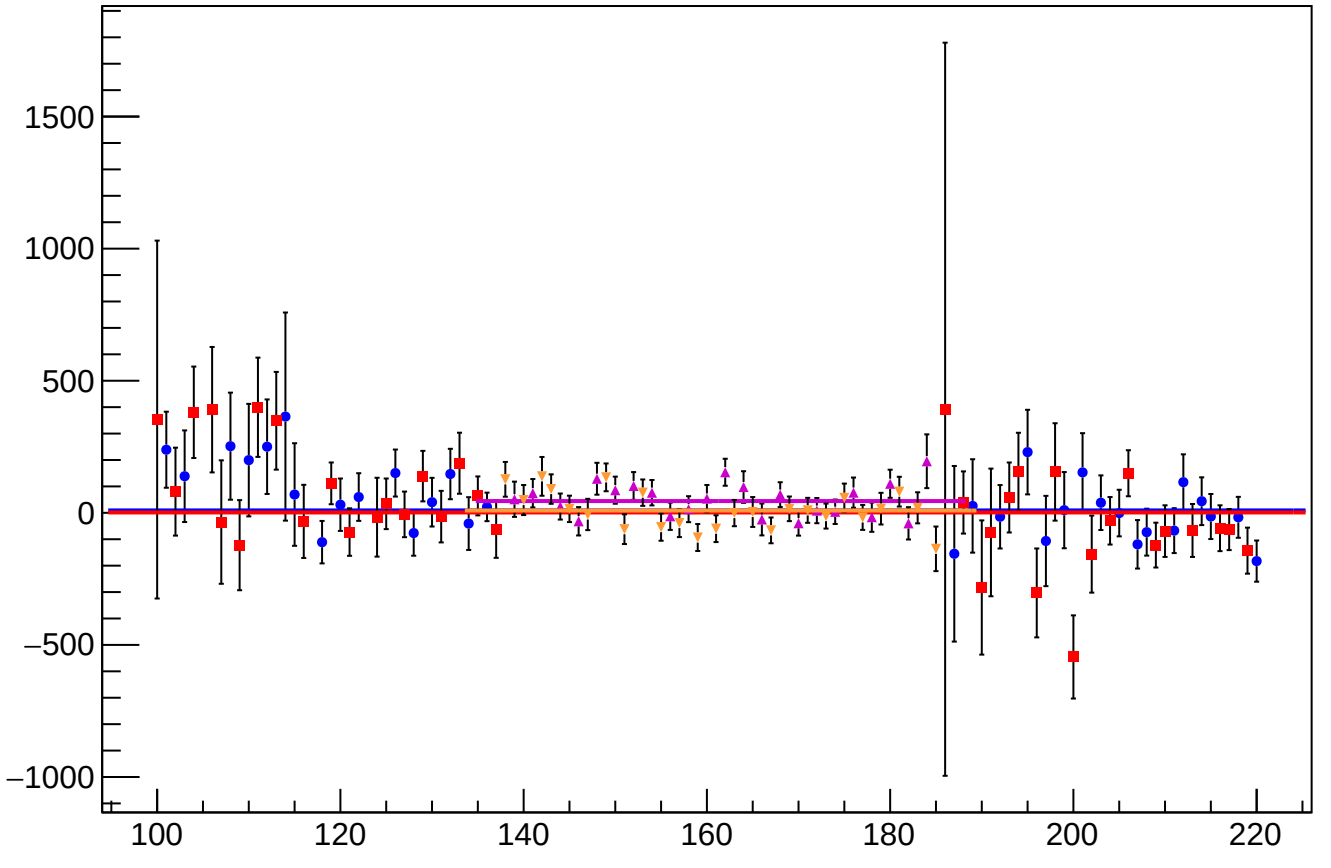
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 719.322+/-0.082 χ^2/NDF: 7178090.4/69

In: 301.696+/-0.039 χ^2/NDF:18877279.1/55

Out: 301.530+/-0.039 χ^2/NDF:20886056.2/61

All: 301.612+/-0.028 χ^2/NDF: 39763344.4/11



Right In: 9.089+/-18.050 χ^2/NDF: 31.4/32

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 1.372+/-18.998 χ^2/NDF: 55.2/36

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

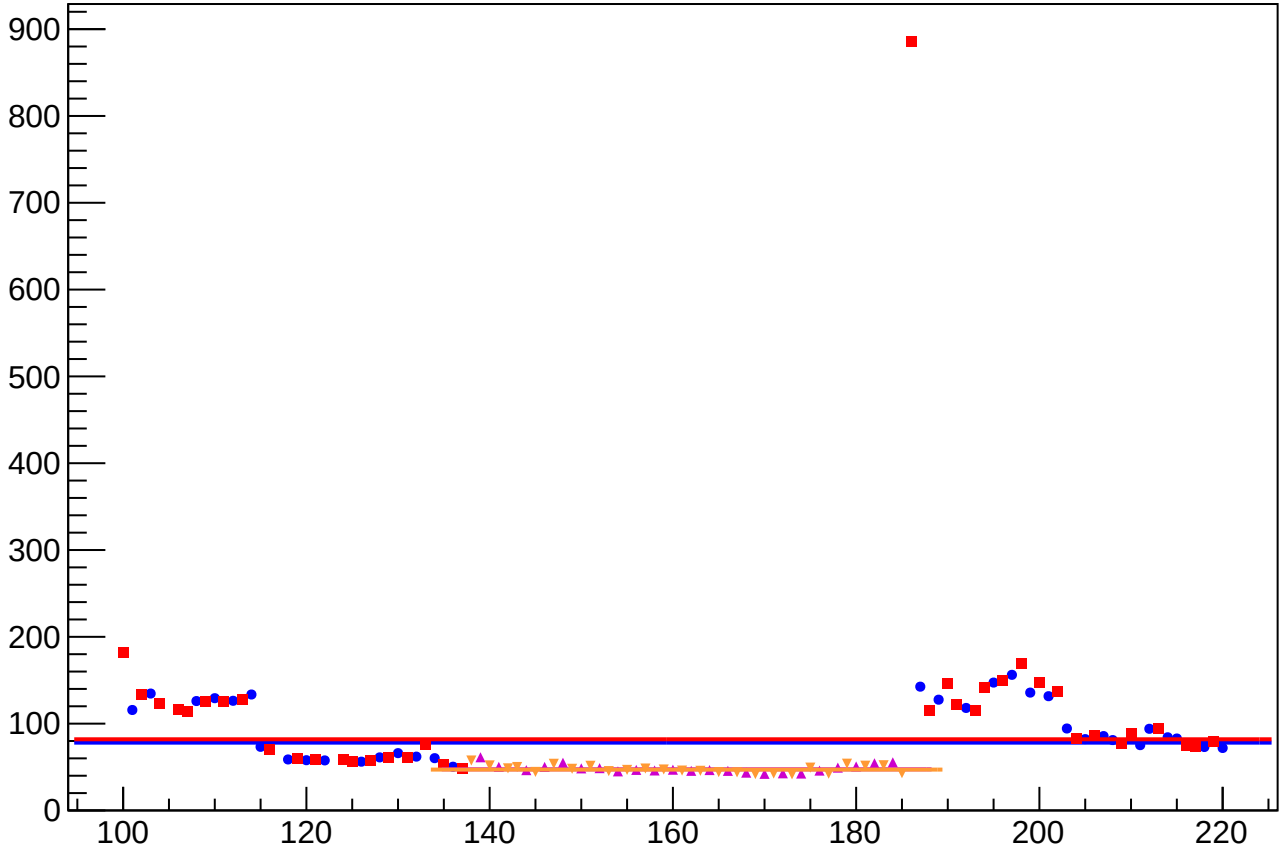
Right: 5.428+/-13.086 χ^2/NDF: 86.7/69

In: 34.750+/-9.485 χ^2/NDF:61.2/55

Out: 6.961+/-9.369 χ^2/NDF:89.9/61

All: 20.685+/-6.666 χ^2/NDF: 155.5/117

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 78.123+/-0.013 χ^2/NDF: 3926074.3/32

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

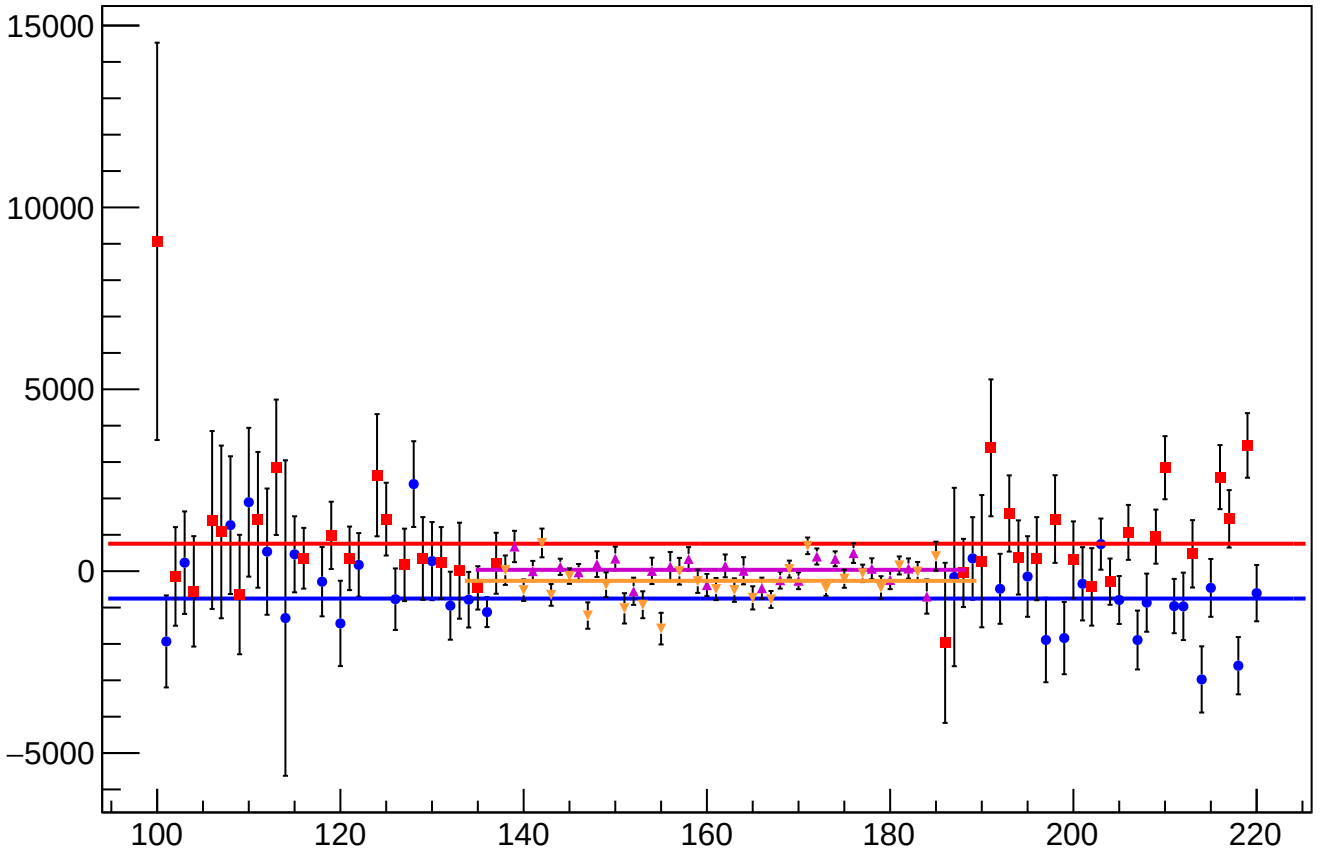
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.954+/-0.009 χ^2/NDF: 9039579.9/69

In: 55.872+/-0.007 χ^2/NDF:8395866.1/55

Out: 55.556+/-0.007 χ^2/NDF:10470984.3/61

All: 55.712+/-0.005 χ^2/NDF: 18867974.7/117



Right In: -752.674+/-158.453 χ^2/NDF: 38.7/32

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 754.821+/-169.231 χ^2/NDF: 43.6/36

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

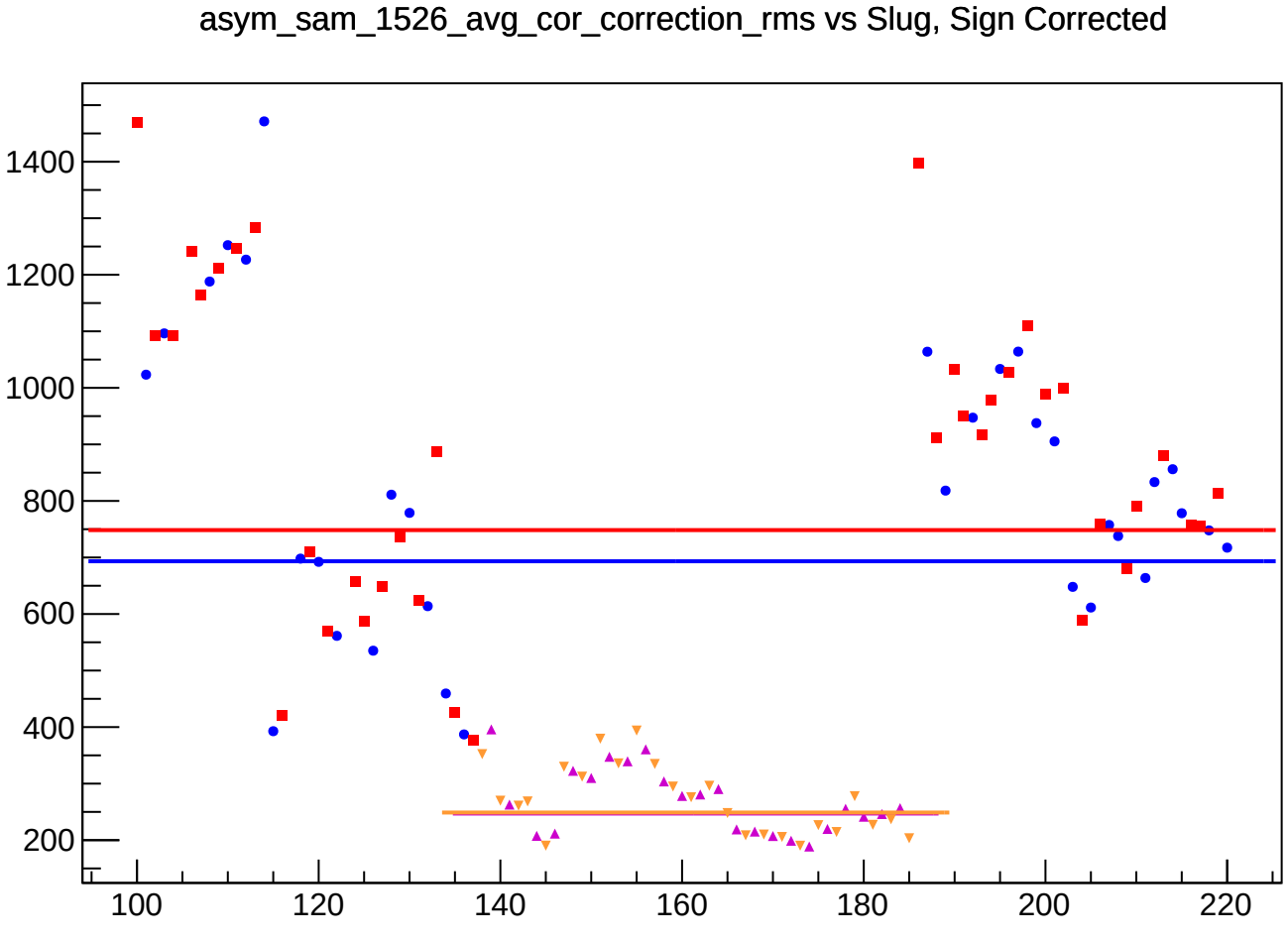
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -48.457+/-115.666 χ^2/NDF: 124.6/69

In: -59.147+/-55.423 χ^2/NDF:87.2/55

Out: -158.308+/-54.893 χ^2/NDF:146.0/61

All: -109.203+/-39.001 χ^2/NDF: 234.7/117



Right In: 693.295+/-0.112 χ^2/NDF: 3474602.4/32

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

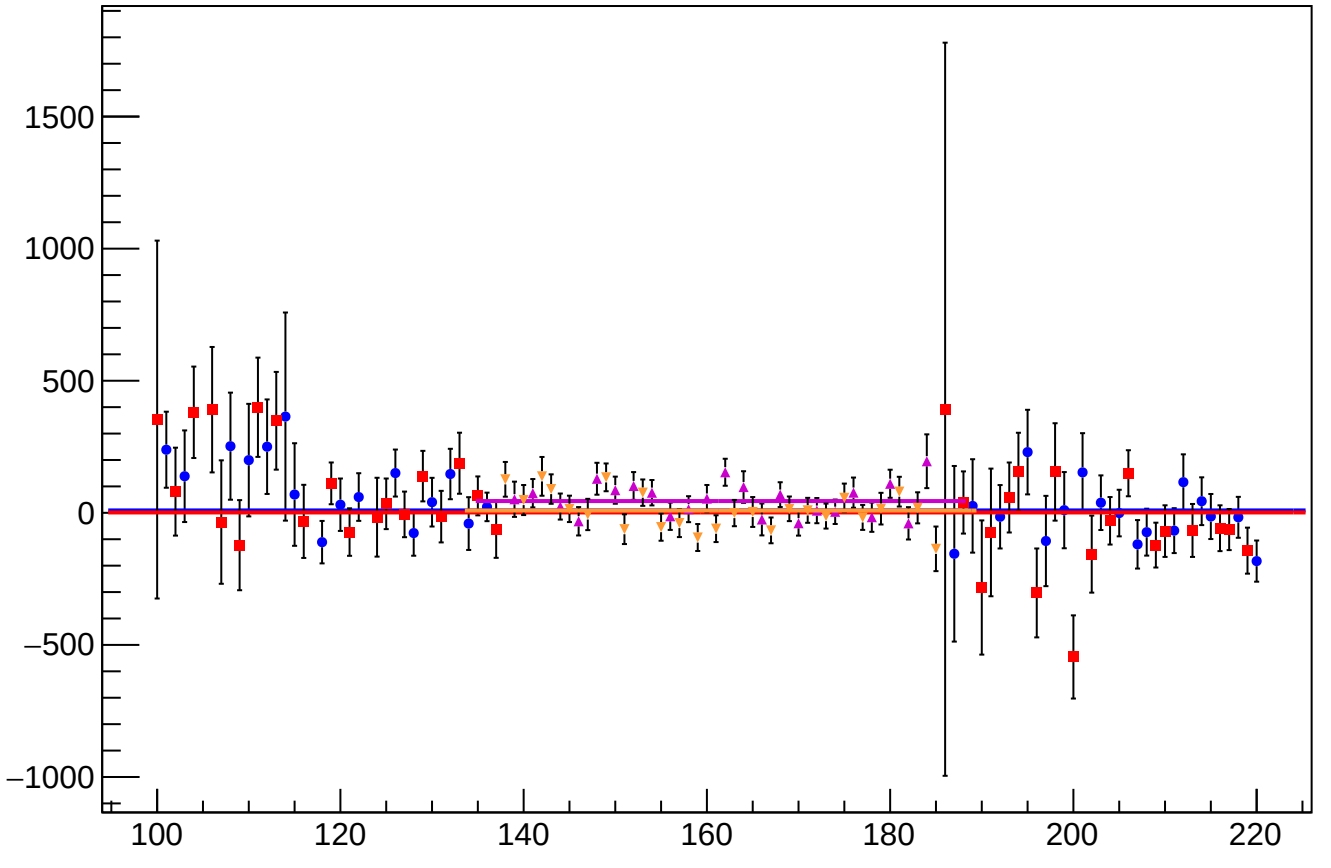
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 719.050+/-0.082 χ^2/NDF: 7141697.2/69

In: 301.696+/-0.039 χ^2/NDF:18877291.4/55

Out: 301.450+/-0.039 χ^2/NDF:20810439.2/61

All: 301.572+/-0.028 χ^2/NDF: 39687750.5/11



Right In: 9.089+/-18.050 χ^2/NDF: 31.4/32

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 1.372+/-18.998 χ^2/NDF: 55.2/36

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

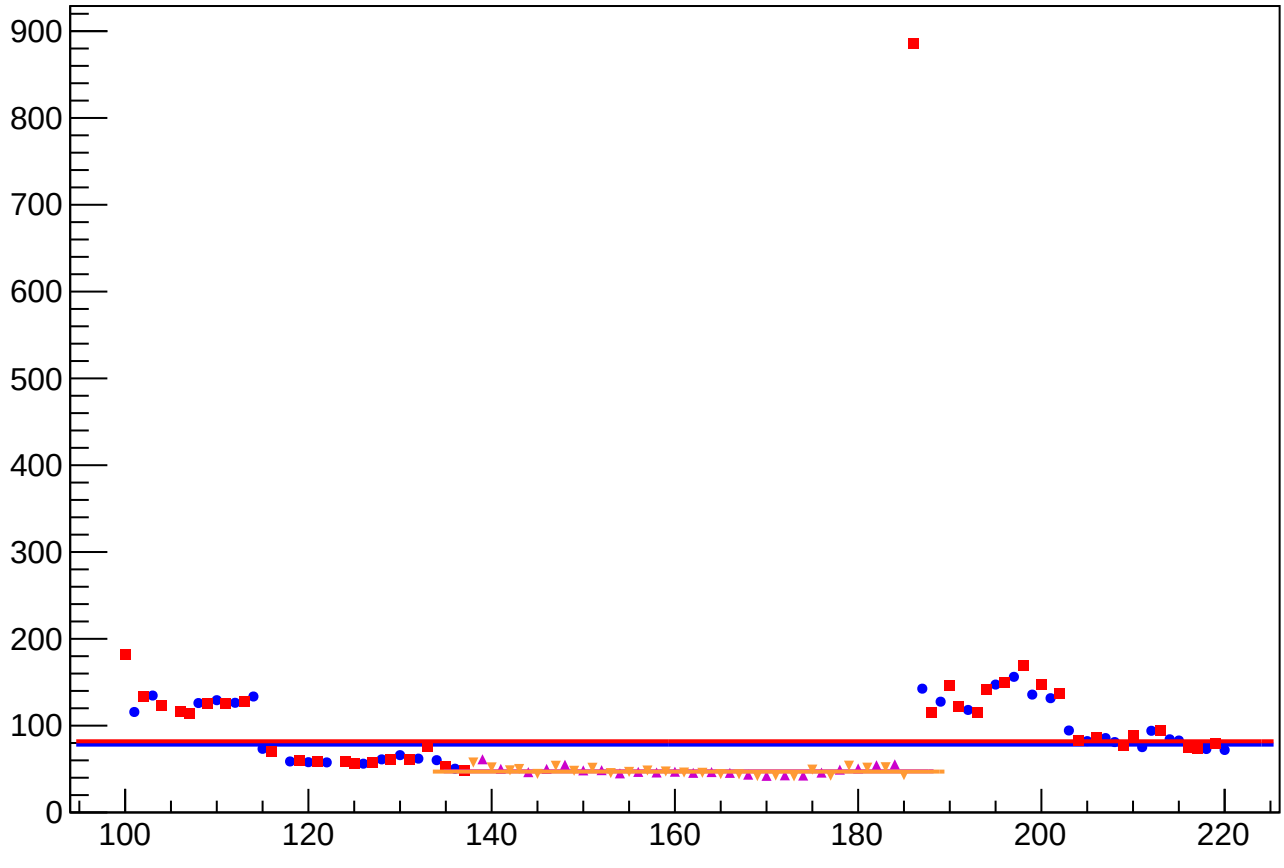
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 5.428+/-13.086 χ^2/NDF: 86.7/69

In: 34.750+/-9.485 χ^2/NDF:61.2/55

Out: 6.961+/-9.369 χ^2/NDF:89.9/61

All: 20.685+/-6.666 χ^2/NDF: 155.5/117



Right In: 78.123+/-0.013 χ^2/NDF: 3926074.3/32

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

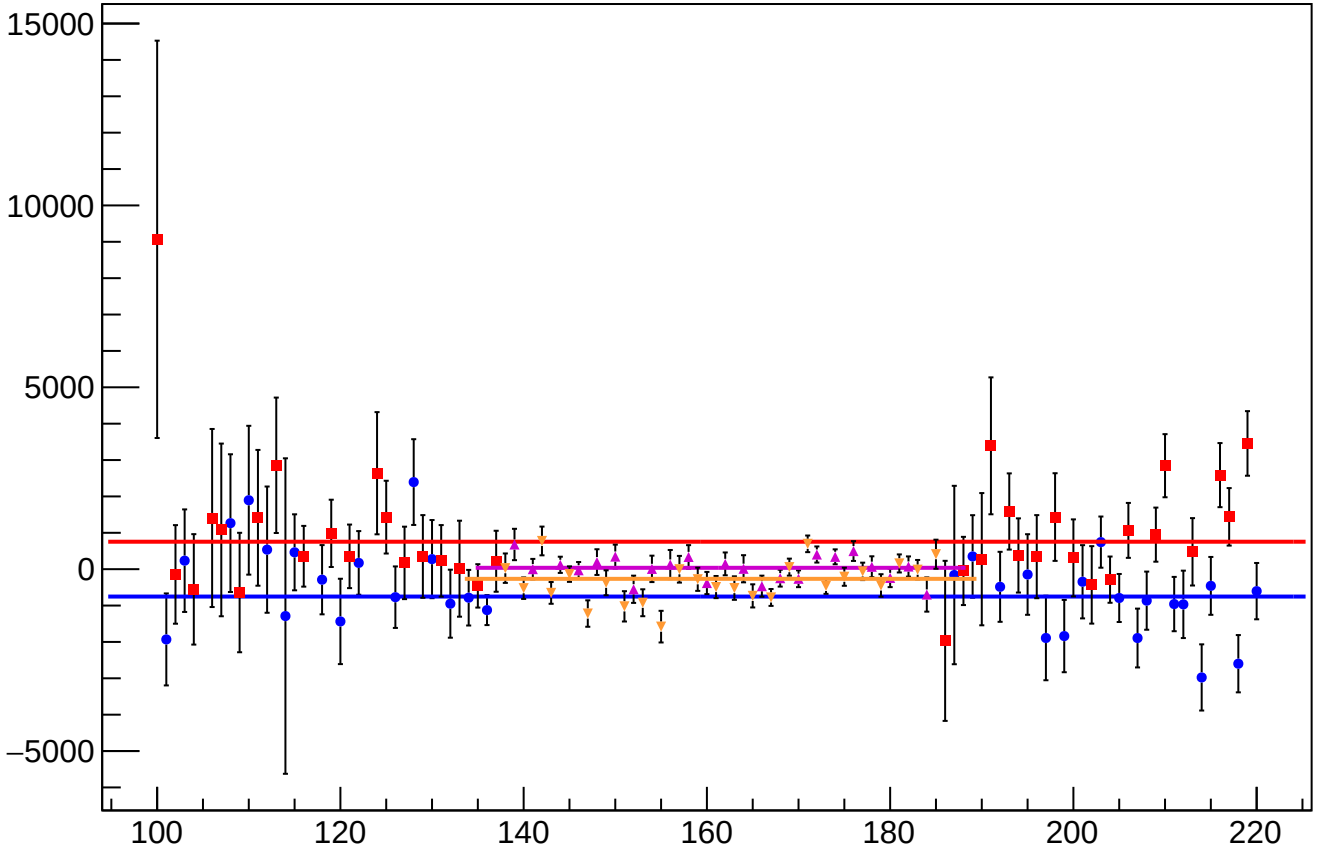
Right: 79.954+/-0.009 χ^2/NDF: 9039579.9/69

In: 55.872+/-0.007 χ^2/NDF:8395866.1/55

Out: 55.556+/-0.007 χ^2/NDF:10470984.3/61

All: 55.712+/-0.005 χ^2/NDF: 18867974.7/117

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -752.674+/-158.453 χ^2/NDF: 38.7/32

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 754.821+/-169.231 χ^2/NDF: 43.6/36

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

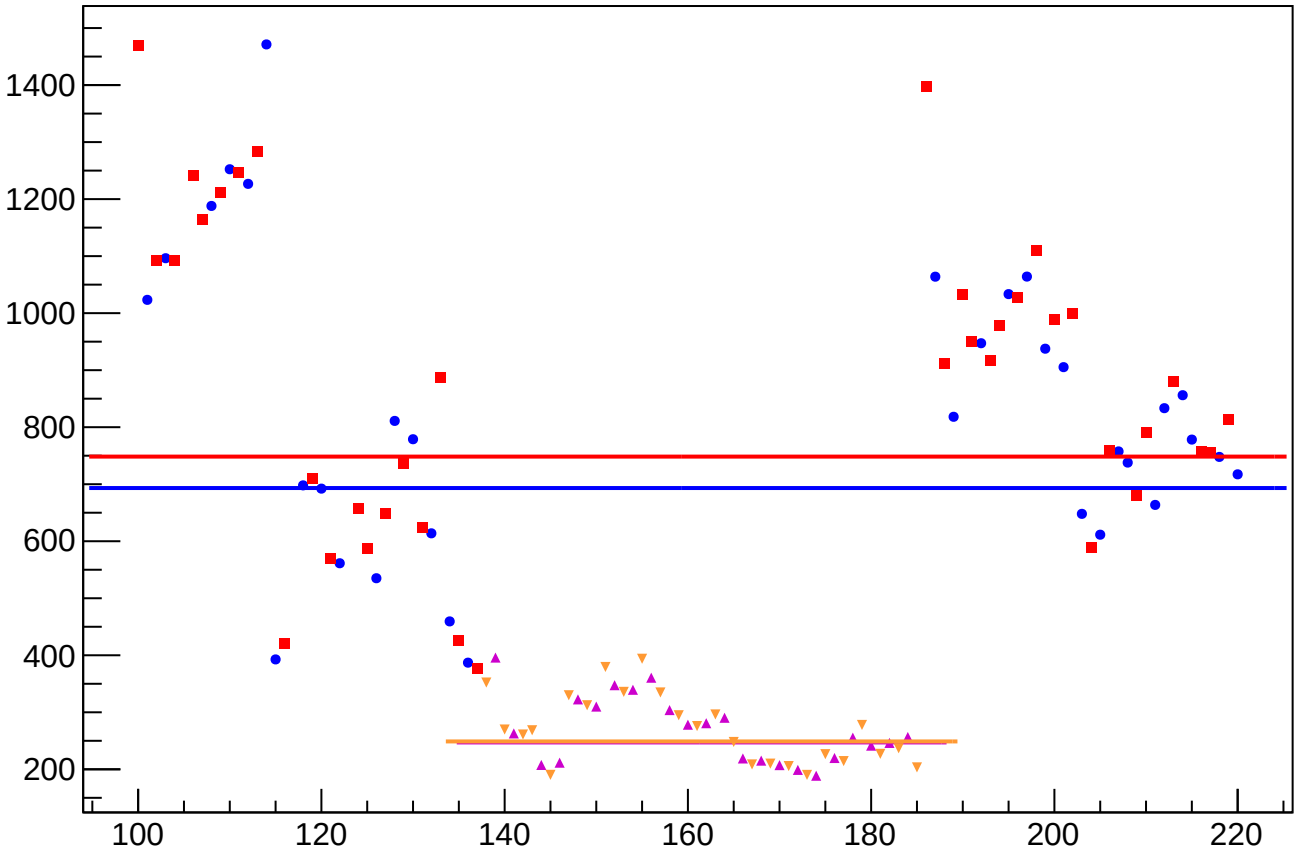
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -48.457+/-115.666 χ^2/NDF: 124.6/69

In: -59.147+/-55.423 χ^2/NDF:87.2/55

Out: -158.308+/-54.893 χ^2/NDF:146.0/61

All: -109.203+/-39.001 χ^2/NDF: 234.7/117



Right In: 693.295+/-0.112 χ^2/NDF: 3474602.4/32

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

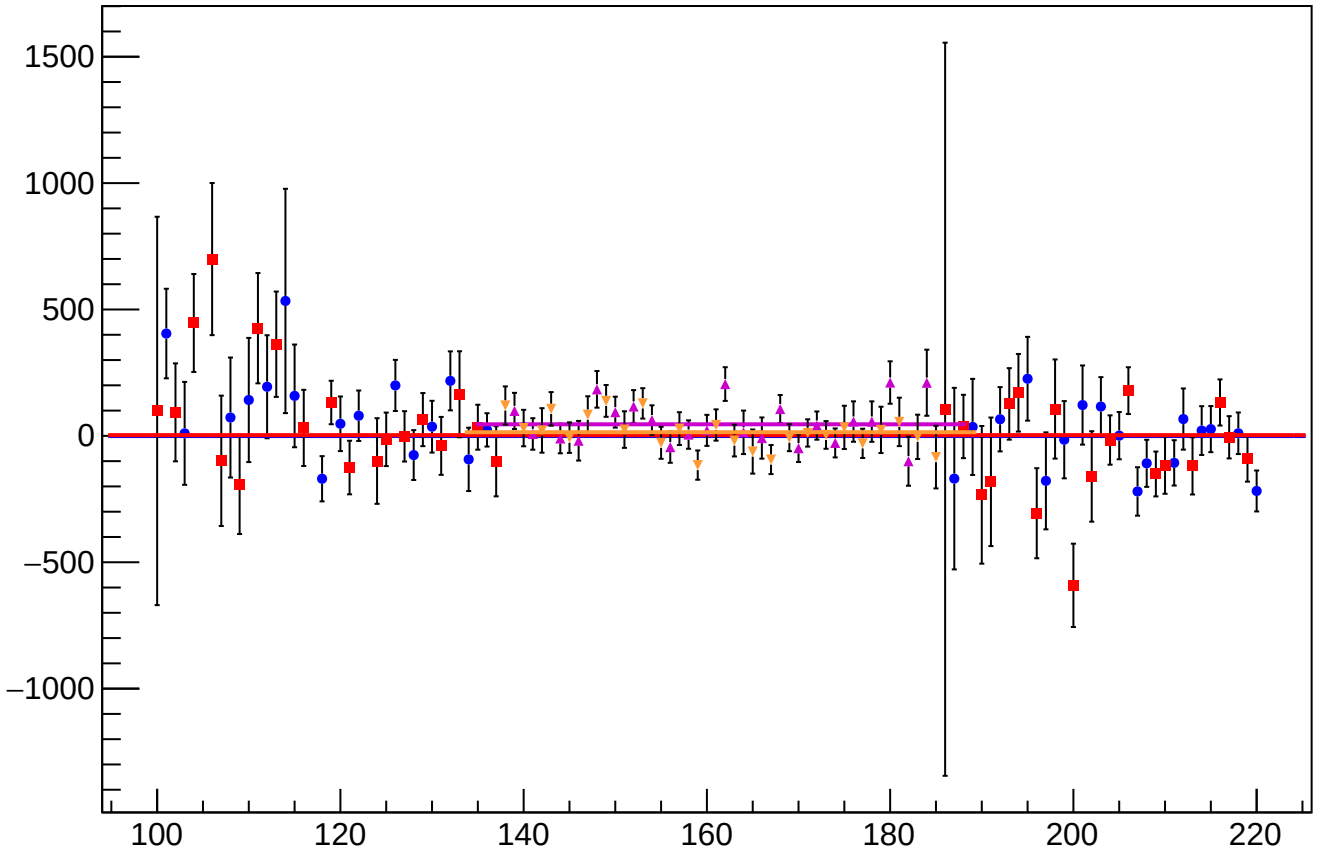
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 719.050+/-0.082 χ^2/NDF: 7141697.2/69

In: 301.696+/-0.039 χ^2/NDF:18877291.4/55

Out: 301.450+/-0.039 χ^2/NDF:20810439.2/61

All: 301.572+/-0.028 χ^2/NDF: 39687750.5/11



Right In: -0.672+/-20.018 χ^2/NDF: 42.4/32

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 2.903+/-21.213 χ^2/NDF: 57.3/36

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

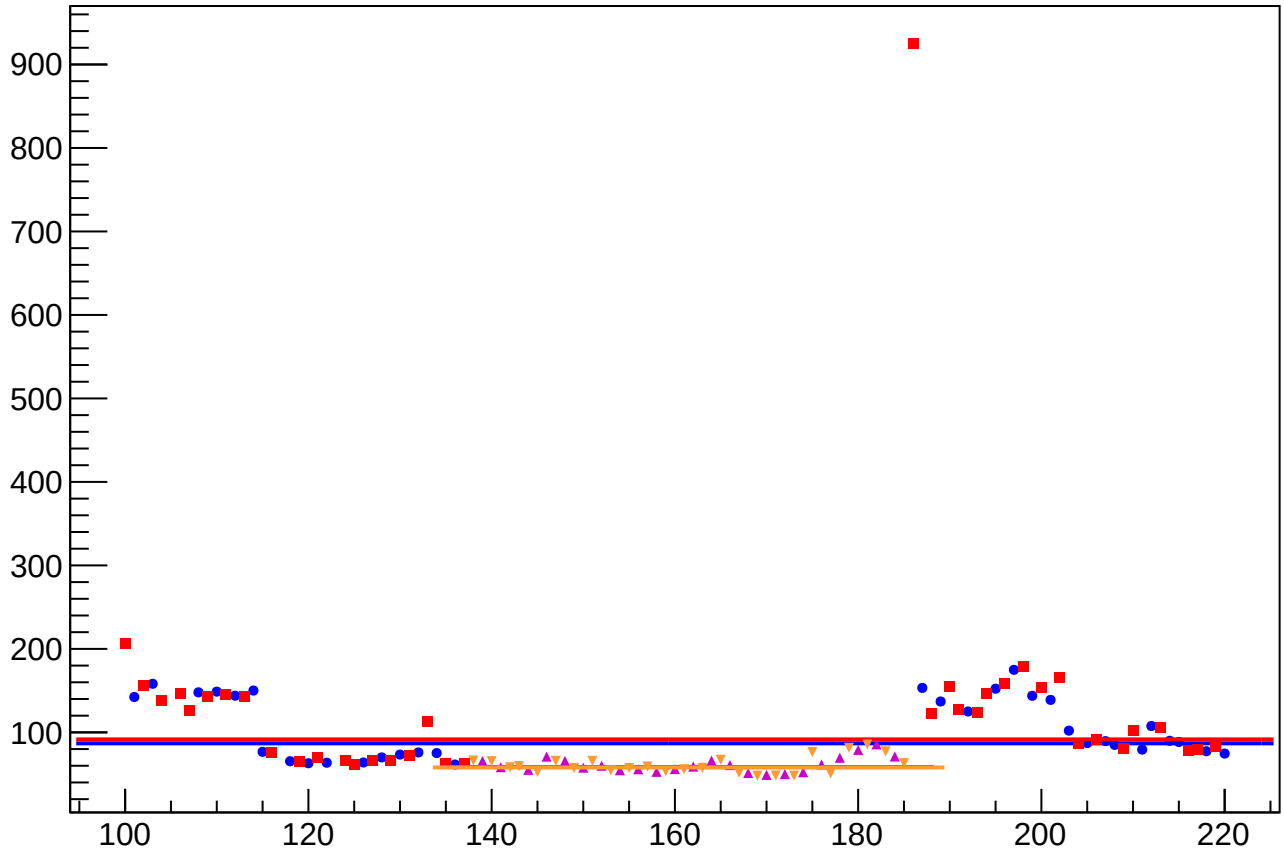
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 1.012+/-14.559 χ^2/NDF: 99.7/69

In: 30.640+/-11.435 χ^2/NDF:76.8/55

Out: 11.172+/-11.362 χ^2/NDF:82.0/61

All: 20.844+/-8.060 χ^2/NDF: 160.3/117



Right In: 86.833+/-0.014 χ^2/NDF: 3554874.0/32

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 91.596+/-0.015 χ^2/NDF: 4757846.4/36

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

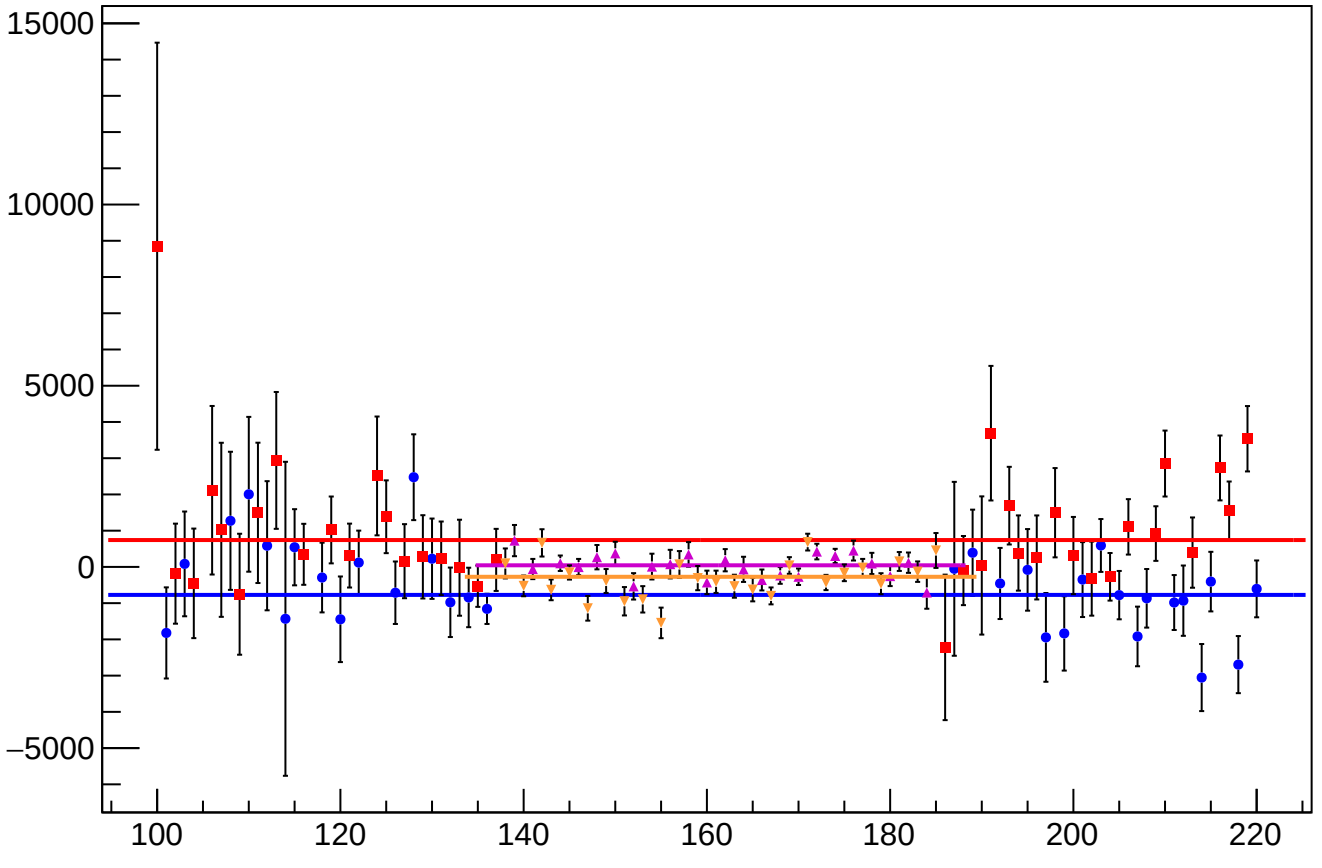
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 89.077+/-0.010 χ^2/NDF: 8366044.7/69

In: 67.731+/-0.008 χ^2/NDF:6908152.1/55

Out: 67.613+/-0.008 χ^2/NDF:9239584.1/61

All: 67.672+/-0.006 χ^2/NDF: 16147843.6/117



Right In: -772.401+/-161.686 χ^2/NDF: 38.4/32

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 741.427+/-171.008 χ^2/NDF: 46.4/36

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

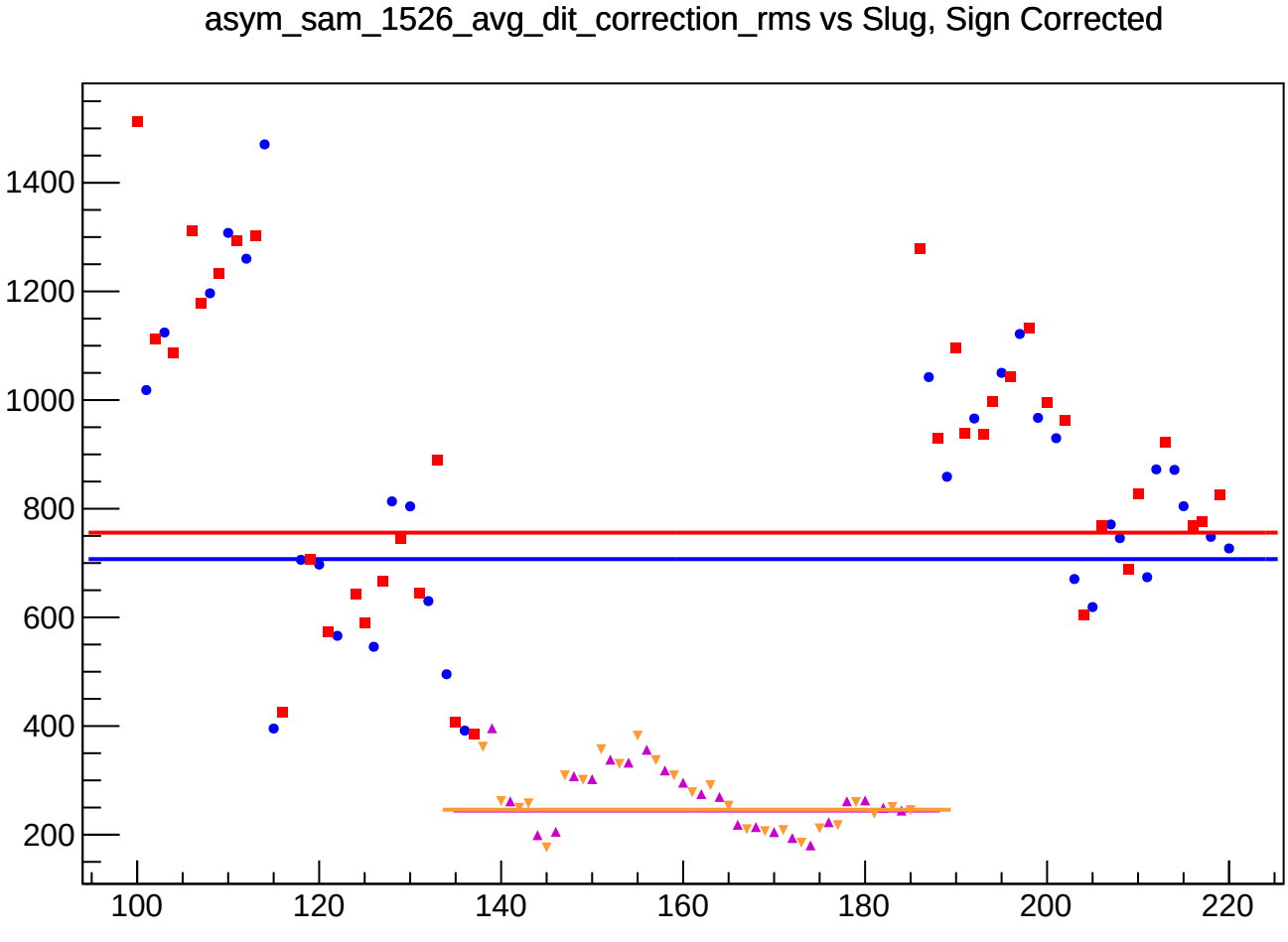
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -57.873+/-117.487 χ^2/NDF: 126.2/69

In: -50.341+/-55.105 χ^2/NDF:87.5/55

Out: -170.249+/-54.309 χ^2/NDF:143.8/61

All: -111.167+/-38.681 χ^2/NDF: 233.7/117



Right In: 707.210+/-0.114 χ^2/NDF: 3519900.8/32

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 755.980+/-0.121 χ^2/NDF: 3722352.2/36

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

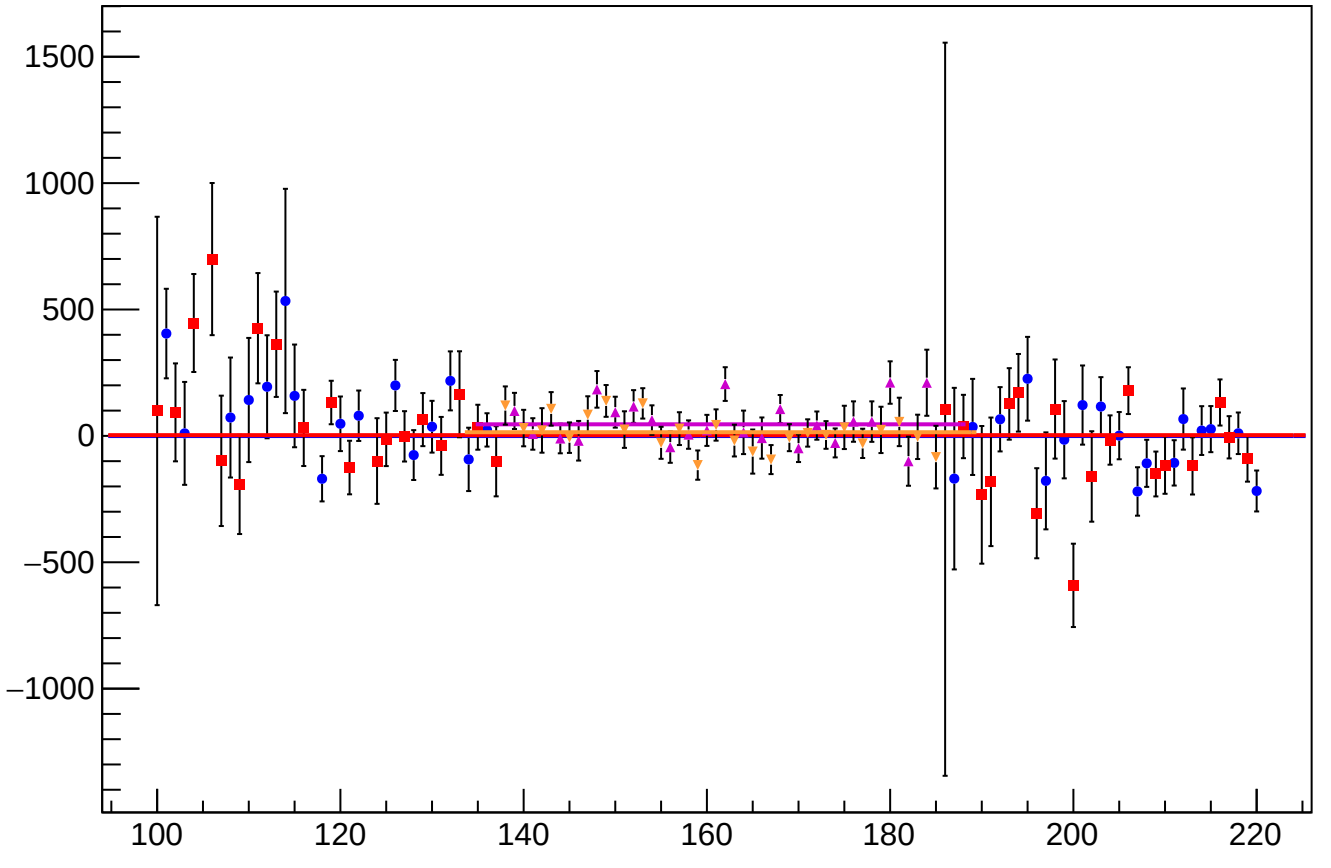
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 730.229+/-0.083 χ^2/NDF: 7328141.9/69

In: 298.202+/-0.039 χ^2/NDF:19597089.3/55

Out: 297.451+/-0.038 χ^2/NDF:21394904.7/61

All: 297.821+/-0.027 χ^2/NDF: 40992182.6/11



Right In: -0.670+/-20.018 χ^2/NDF: 42.4/32

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 2.902+/-21.213 χ^2/NDF: 57.3/36

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

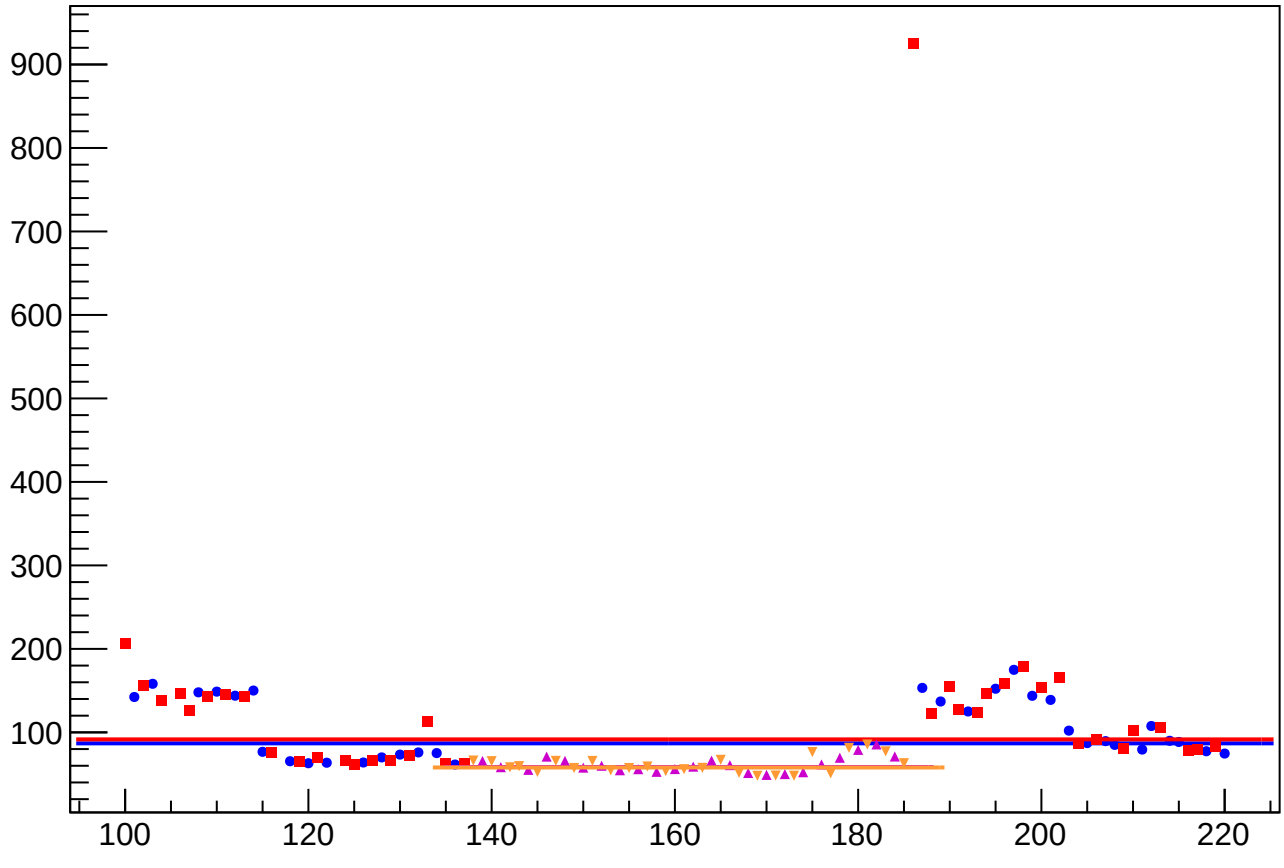
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 1.012+/-14.559 χ^2/NDF: 99.7/69

In: 30.640+/-11.435 χ^2/NDF:76.8/55

Out: 11.171+/-11.362 χ^2/NDF:82.0/61

All: 20.843+/-8.060 χ^2/NDF: 160.3/117



Right In: 86.833+/-0.014 χ^2/NDF: 3554879.0/32

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 91.596+/-0.015 χ^2/NDF: 4757860.3/36

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

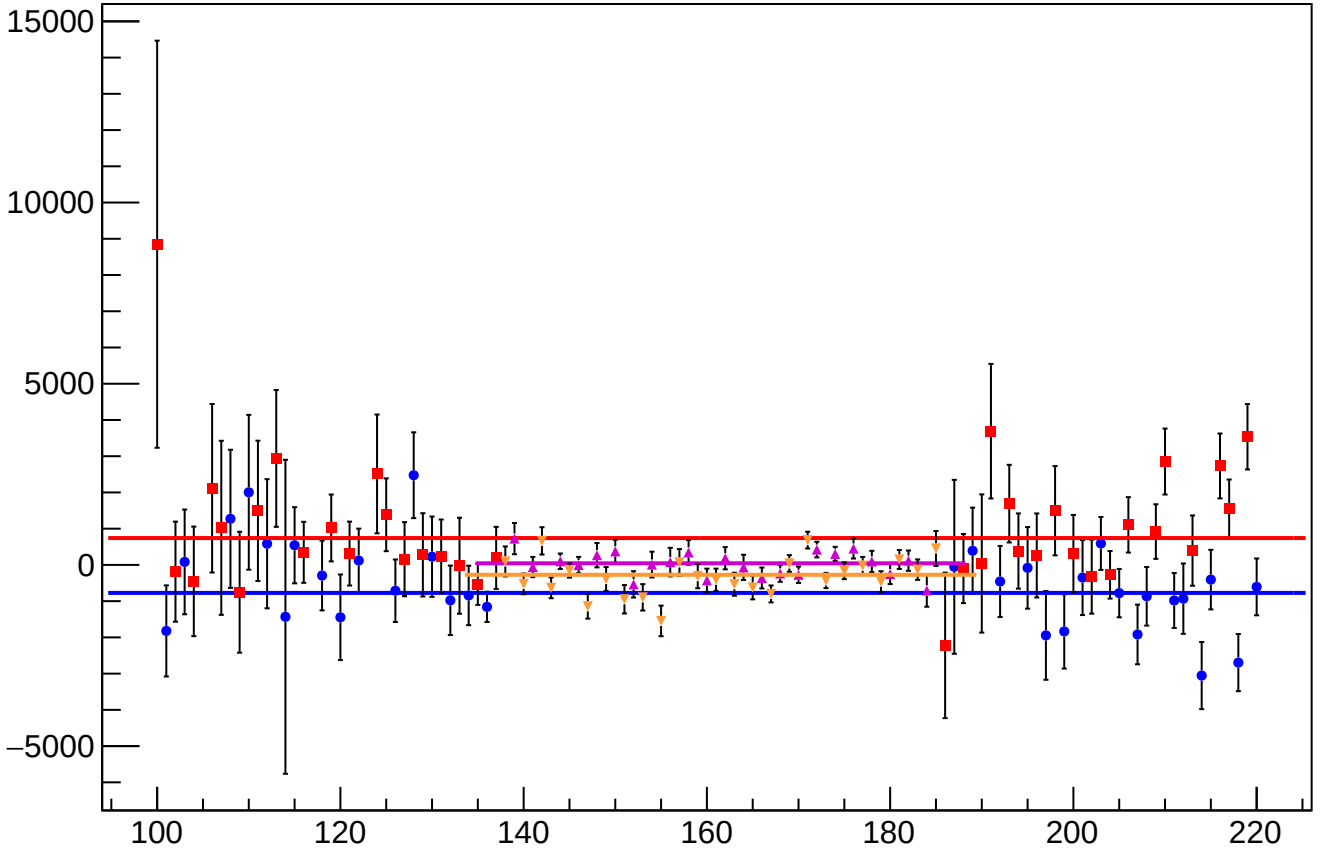
Right: 89.076+/-0.010 χ^2/NDF: 8366063.4/69

In: 67.731+/-0.008 χ^2/NDF:6908074.3/55

Out: 67.613+/-0.008 χ^2/NDF:9239535.5/61

All: 67.672+/-0.006 χ^2/NDF: 16147717.3/117

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -772.399+/-161.685 χ^2/NDF: 38.4/32

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 741.427+/-171.008 χ^2/NDF: 46.4/36

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

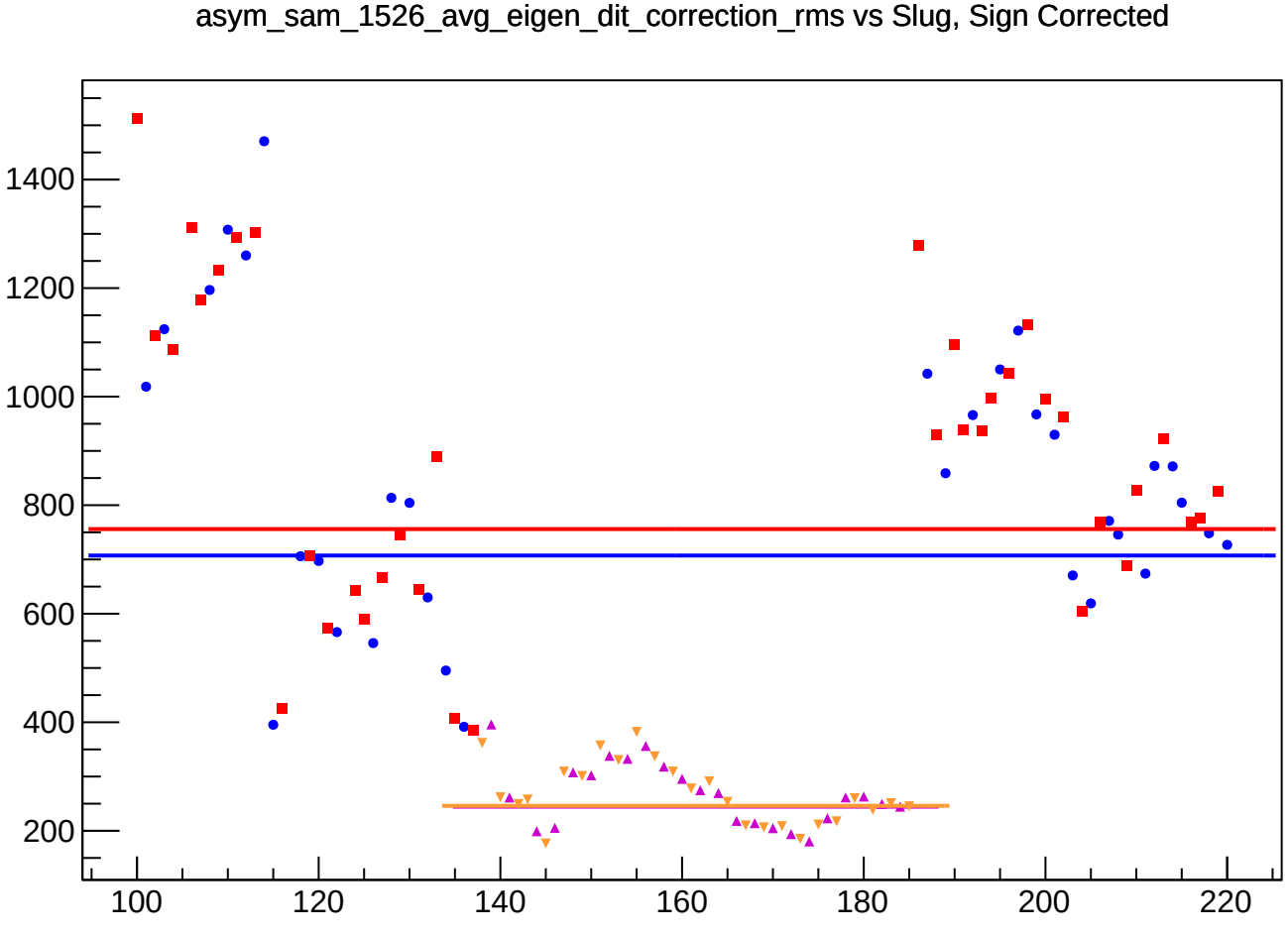
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -57.873+/-117.486 χ^2/NDF: 126.2/69

In: -50.341+/-55.105 χ^2/NDF:87.5/55

Out: -170.249+/-54.309 χ^2/NDF:143.8/61

All: -111.167+/-38.681 χ^2/NDF: 233.7/117



Right In: 707.209+/-0.114 χ^2/NDF: 3519883.8/32

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 755.979+/-0.121 χ^2/NDF: 3722331.0/36

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

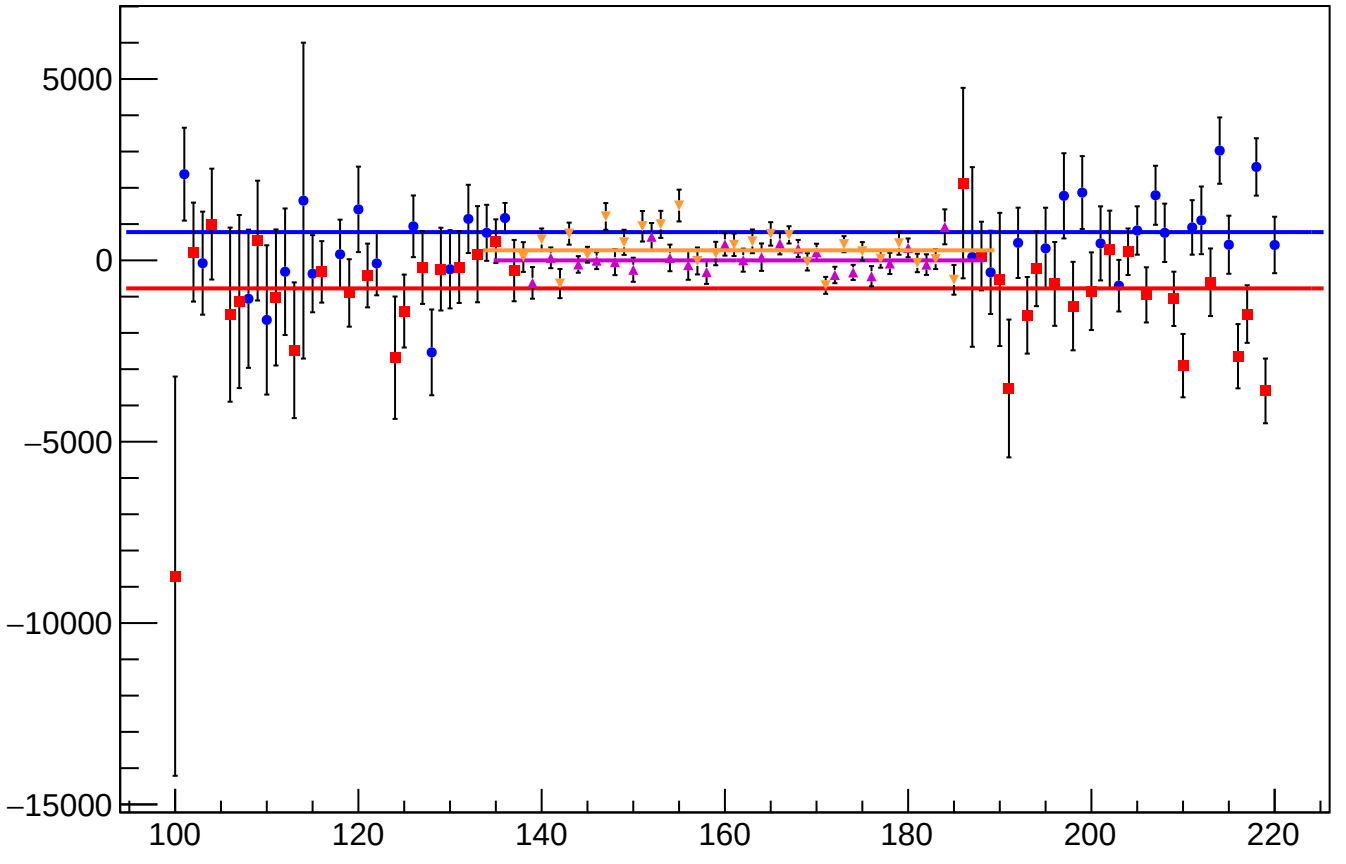
Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

Right: 730.229+/-0.083 χ^2/NDF: 7328104.5/69

In: 298.202+/-0.039 χ^2/NDF:19597073.8/55

Out: 297.450+/-0.038 χ^2/NDF:21394917.3/61

All: 297.820+/-0.027 χ^2/NDF: 40992180.0/11



Right In: 778.815+/-159.765 χ^2/NDF: 38.2/32

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -772.683+/-170.644 χ^2/NDF: 44.2/36

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

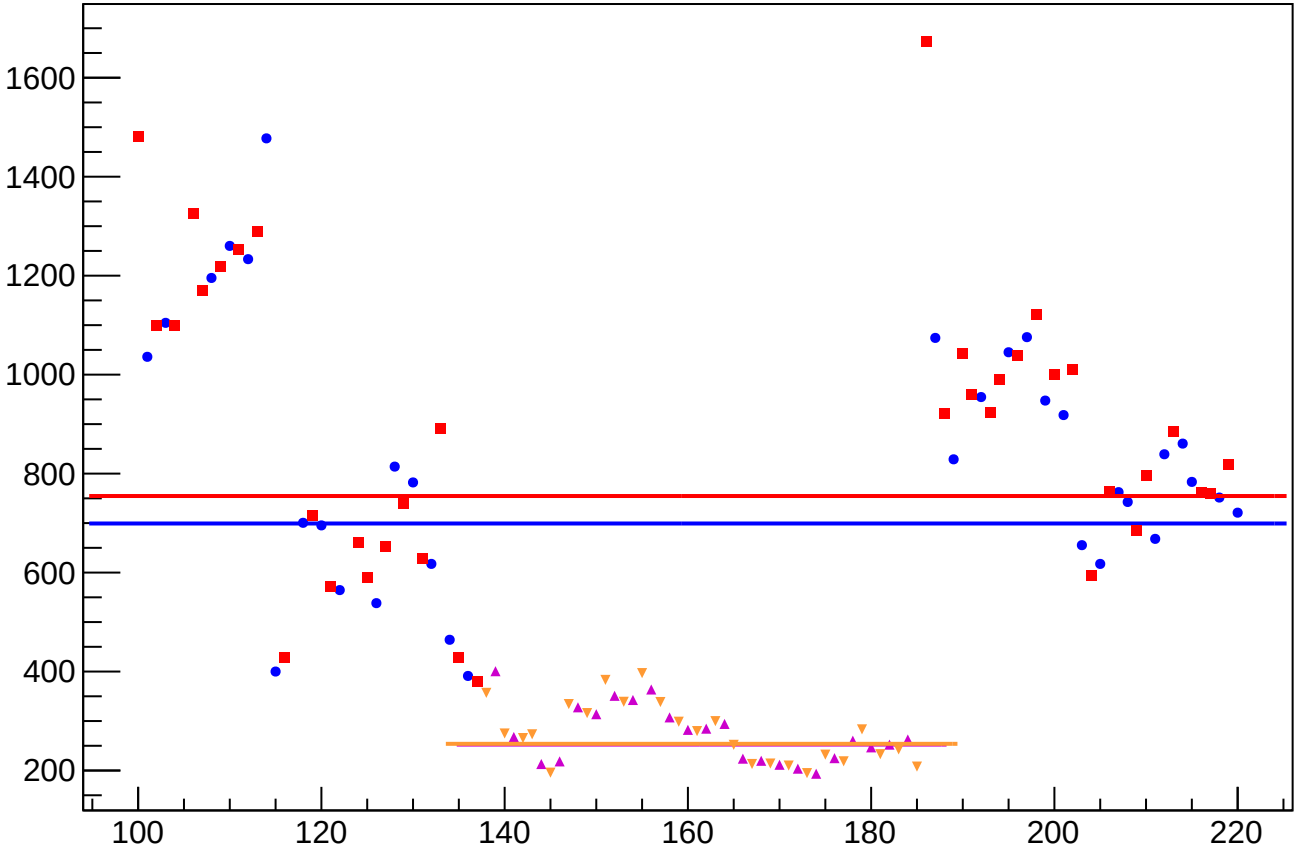
Right: 54.093+/-116.627 χ^2/NDF: 126.5/69

In: 96.783+/-56.461 χ^2/NDF:87.1/55

Out: 164.481+/-55.887 χ^2/NDF:142.1/61

All: 130.978+/-39.719 χ^2/NDF: 230.0/117

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 699.193+/-0.113 χ^2/NDF: 3457943.5/32

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 754.713+/-0.121 χ^2/NDF: 3654276.0/36

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

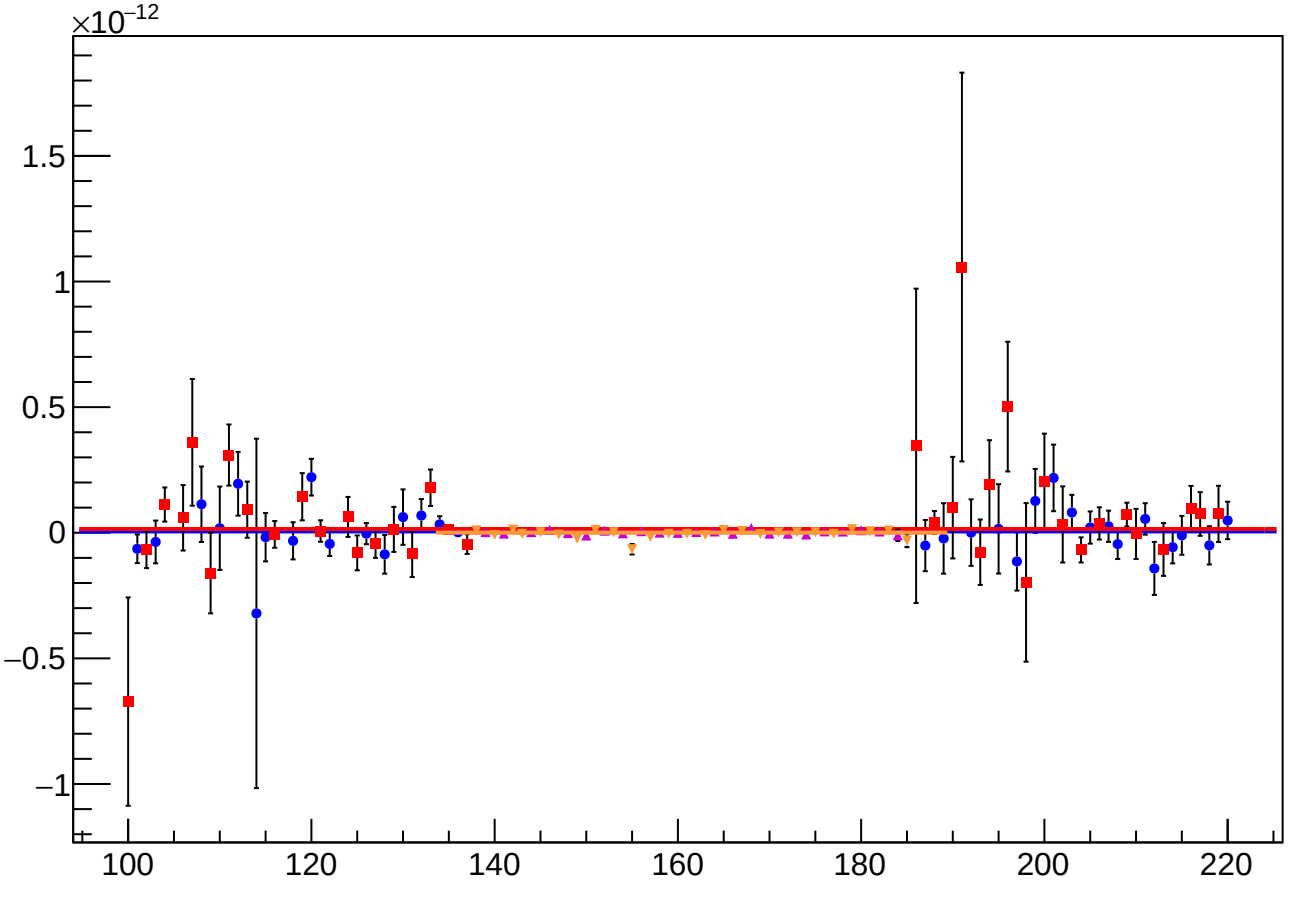
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 725.127+/-0.082 χ^2/NDF: 7225040.5/69

In: 308.193+/-0.040 χ^2/NDF:18558698.6/55

Out: 307.664+/-0.040 χ^2/NDF:20620700.5/61

All: 307.926+/-0.028 χ^2/NDF: 39179487.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.4/36

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

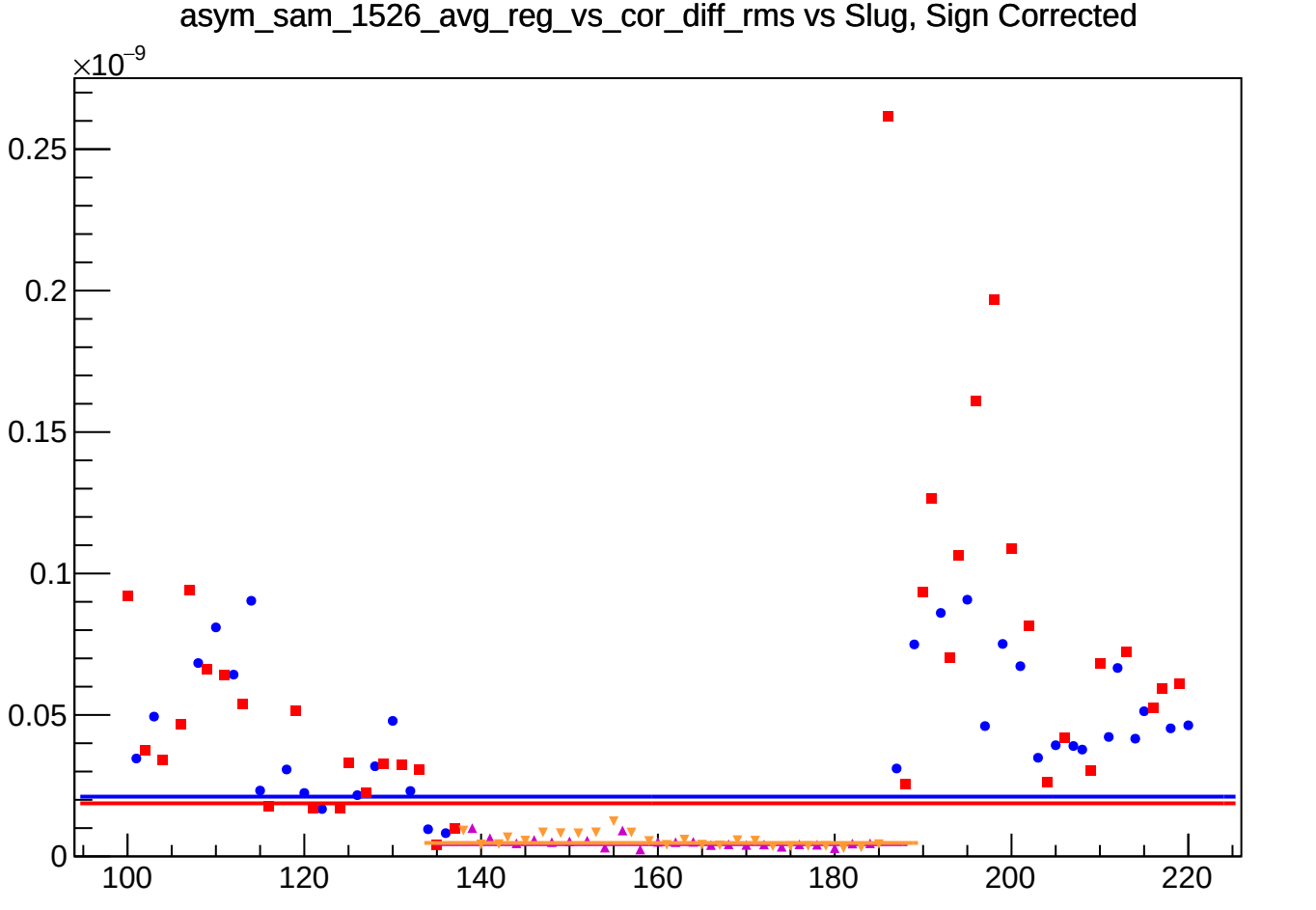
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 75.6/69

In: 0.000+/-0.000 χ^2/NDF:43.7/55

Out: 0.000+/-0.000 χ^2/NDF:74.6/61

All: 0.000+/-0.000 χ^2/NDF: 118.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 7237625.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10164027.8/36

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

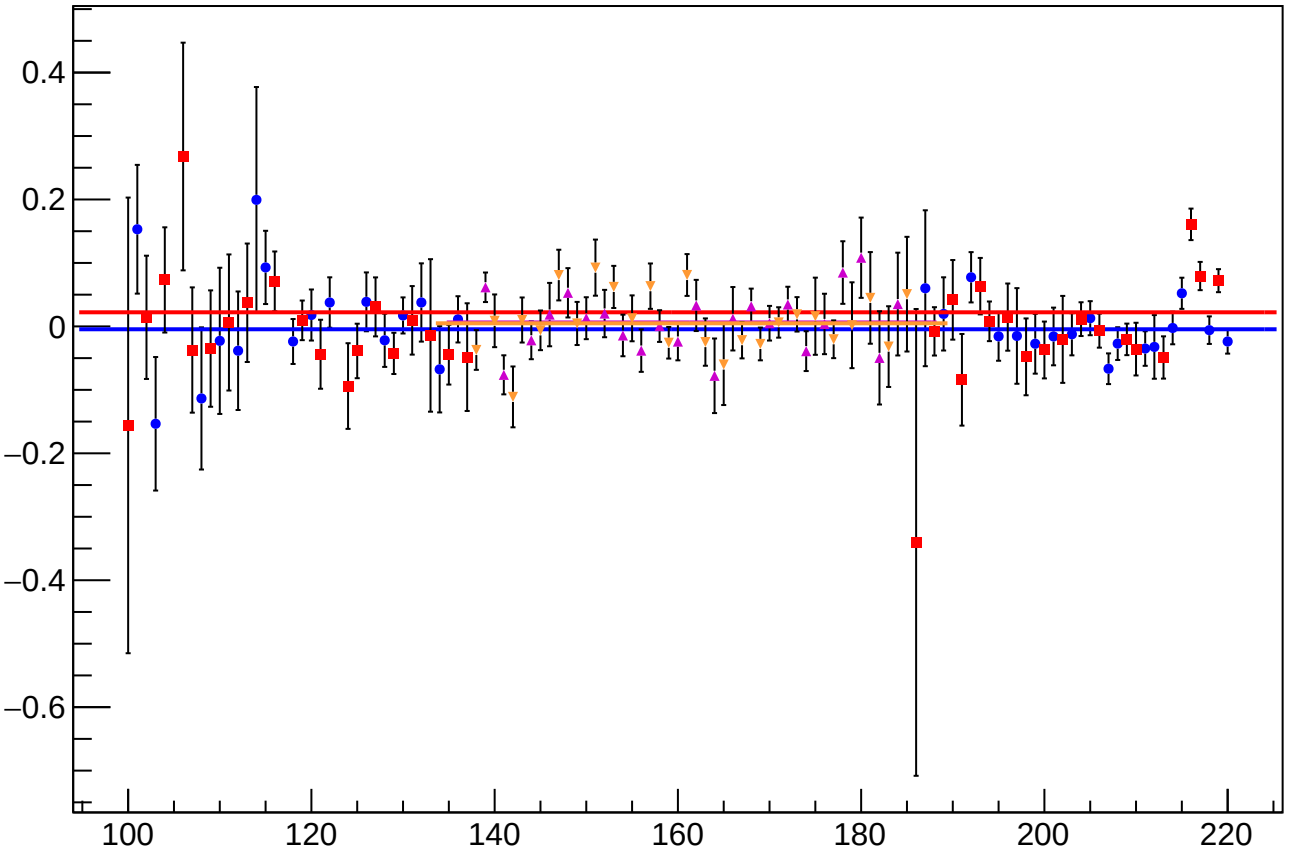
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17465827.1/69

In: 0.000+/-0.000 χ^2/NDF:14490392.0/55

Out: 0.000+/-0.000 χ^2/NDF:16031885.3/61

All: 0.000+/-0.000 χ^2/NDF: 30557456.8/117



Right In: -0.005+/-0.006 χ^2/NDF: 35.5/32

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

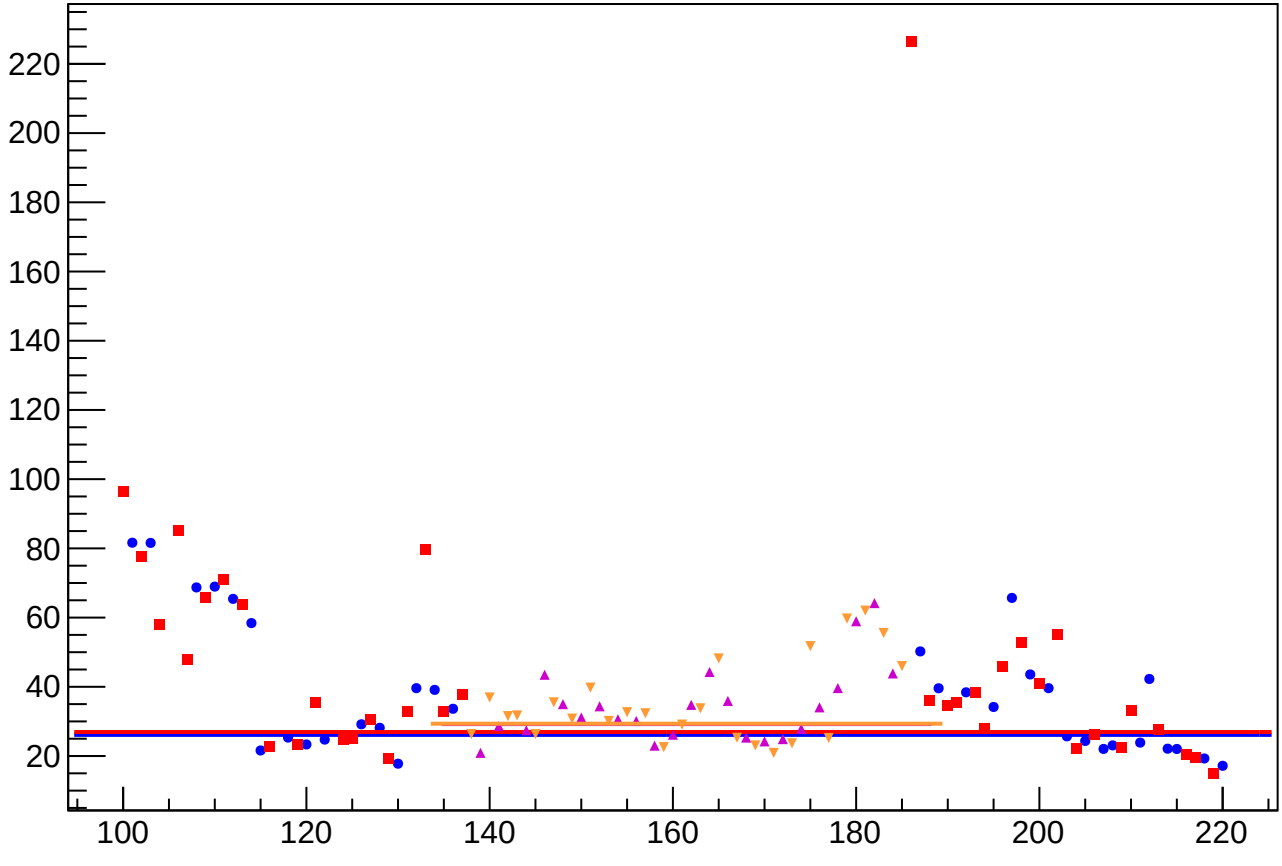
Right: 0.008+/-0.005 χ^2/NDF: 126.2/69

In: 0.000+/-0.005 χ^2/NDF:67.7/55

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.007+/-0.003 χ^2/NDF: 191.3/117

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.109+/-0.005 χ^2/NDF: 5127279.7/32

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

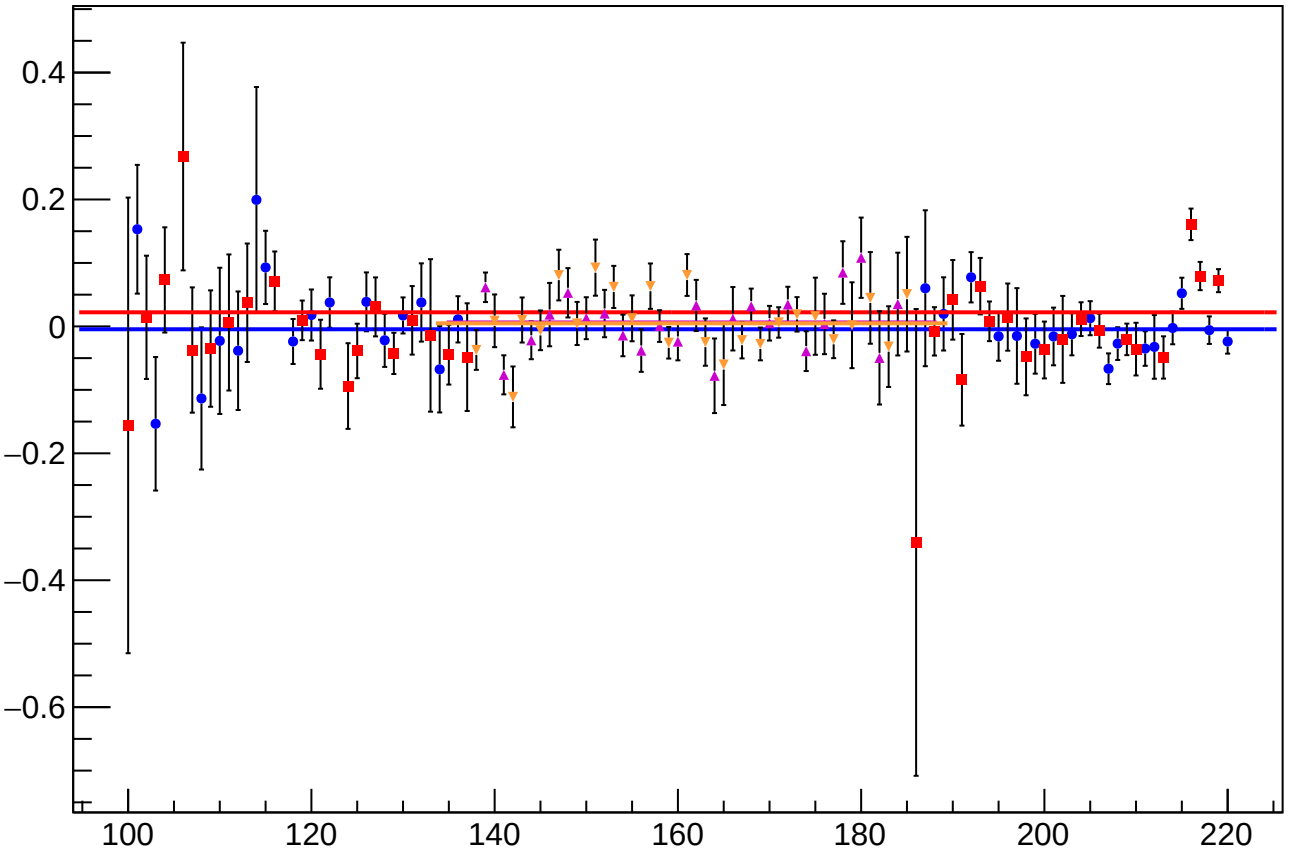
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 26.504+/-0.003 χ^2/NDF: 11495103.2/69

In: 27.472+/-0.003 χ^2/NDF:7432408.1/55

Out: 28.066+/-0.003 χ^2/NDF:9159956.3/61

All: 27.764+/-0.002 χ^2/NDF: 16607446.0/117



Right In: -0.005+/-0.006 χ^2/NDF: 35.5/32

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

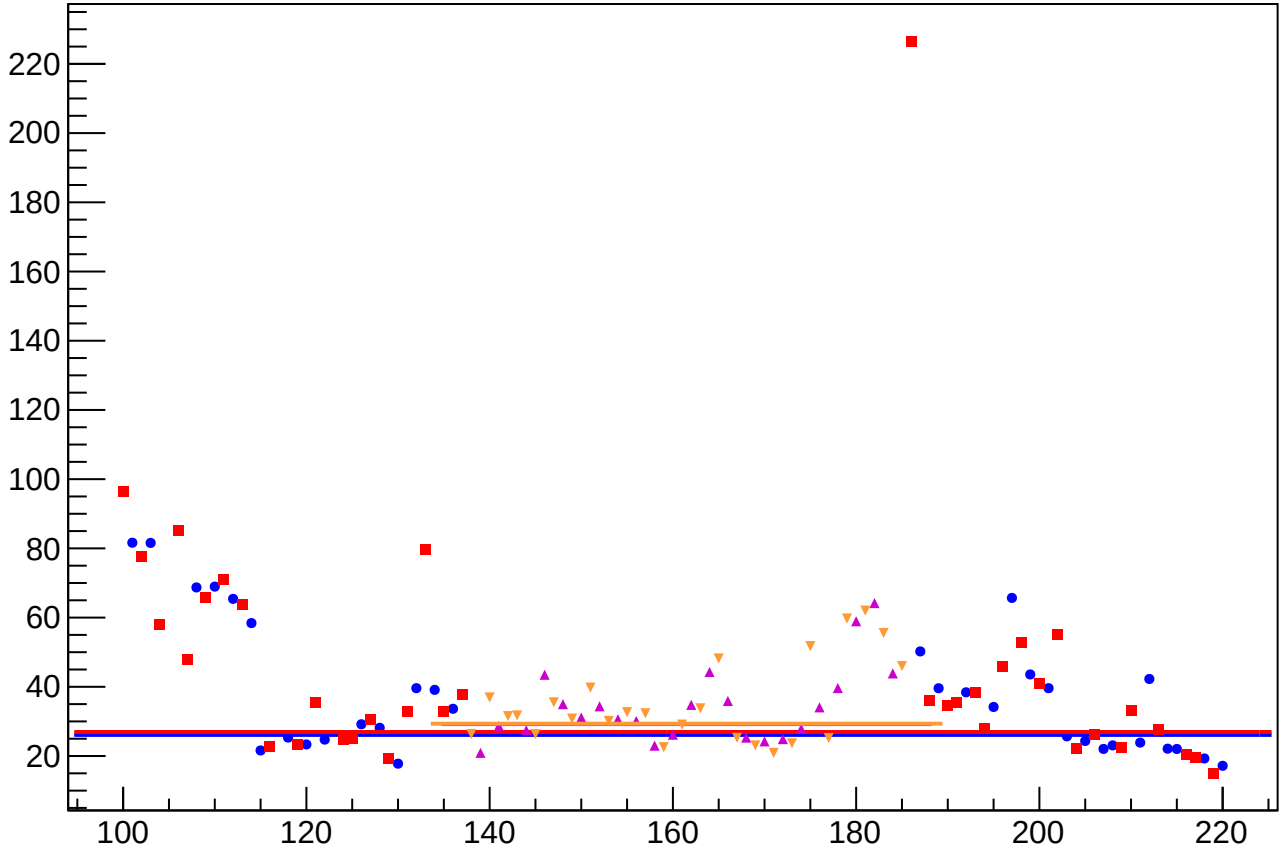
Right: 0.008+/-0.005 χ^2/NDF: 126.2/69

In: 0.000+/-0.005 χ^2/NDF:67.7/55

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.007+/-0.003 χ^2/NDF: 191.3/117

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.109+/-0.005 χ^2/NDF: 5127279.7/32

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

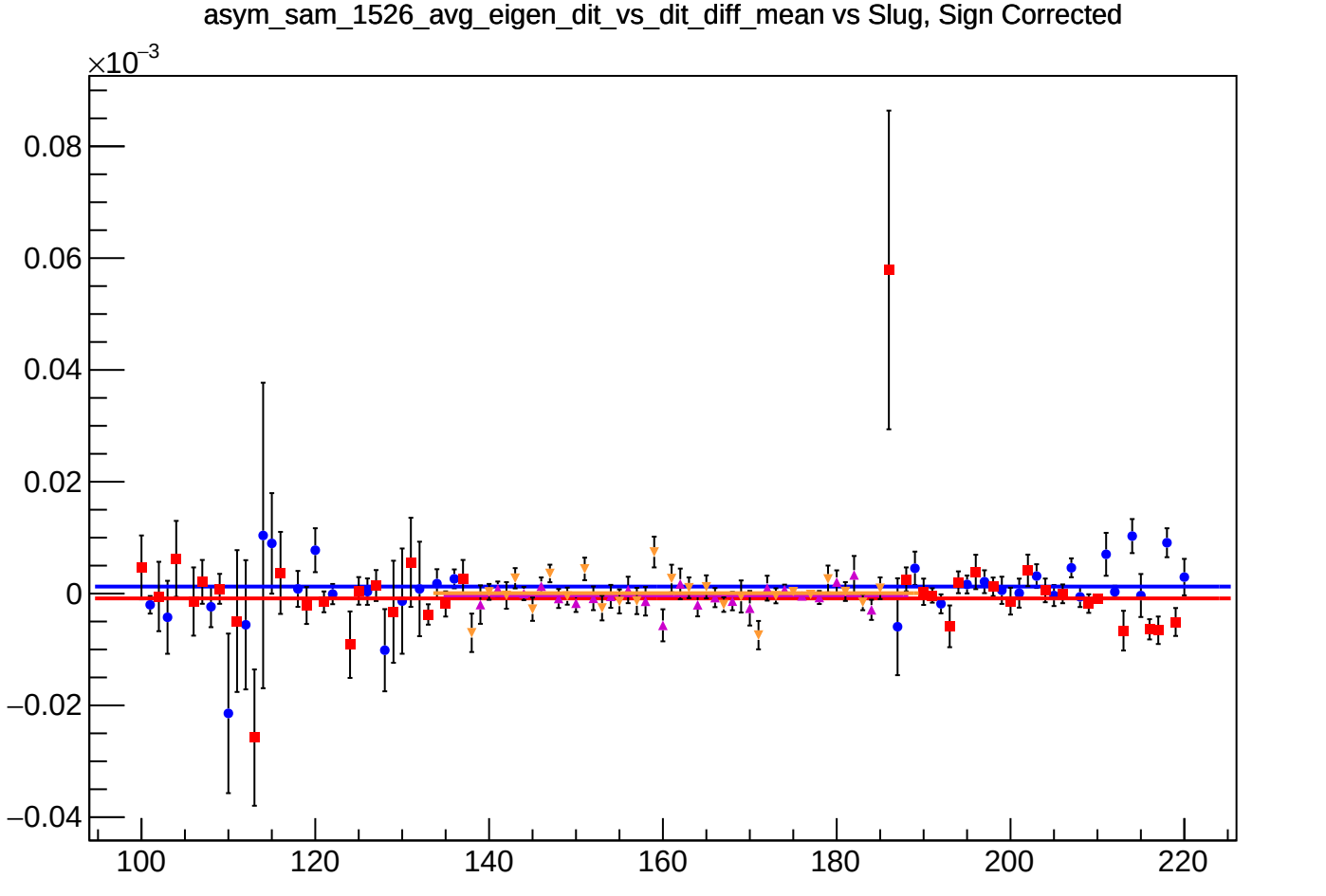
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

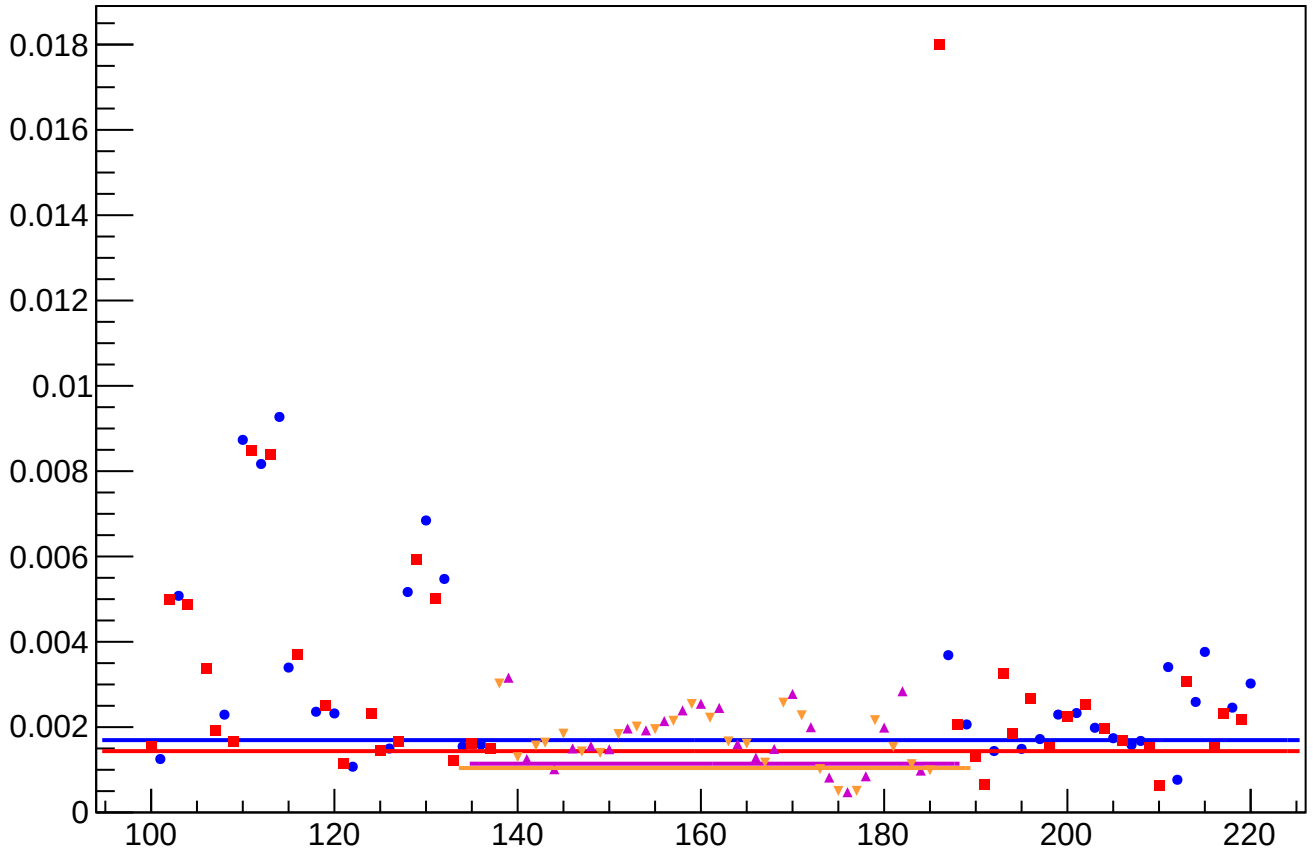
Right: 26.504+/-0.003 χ^2/NDF: 11495103.2/69

In: 27.472+/-0.003 χ^2/NDF:7432408.1/55

Out: 28.066+/-0.003 χ^2/NDF:9159956.3/61

All: 27.764+/-0.002 χ^2/NDF: 16607446.0/117


asym_sam_1526_avg_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
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 50.0/32
Left Out: 0.000+/-0.000 χ²/NDF:43.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 54.9/36
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 119.2/69
In: 0.000+/-0.000 χ²/NDF:74.5/55
Out: -0.000+/-0.000 χ²/NDF:102.8/61
All: -0.000+/-0.000 χ²/NDF: 179.5/117



Right In: 0.002+/-0.000 χ^2/NDF: 7534736.7/32

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10699137.8/36

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

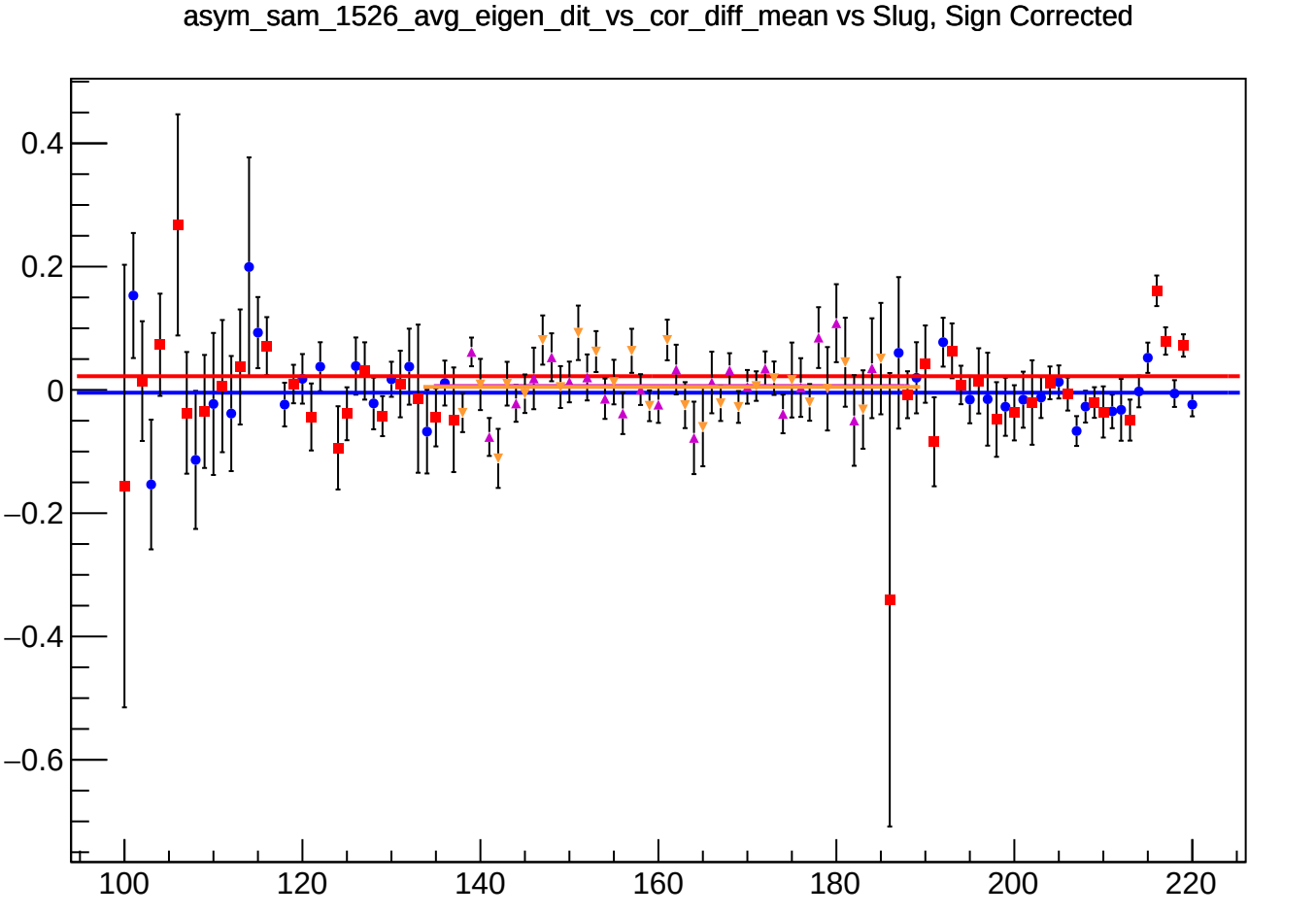
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 18658212.1/69

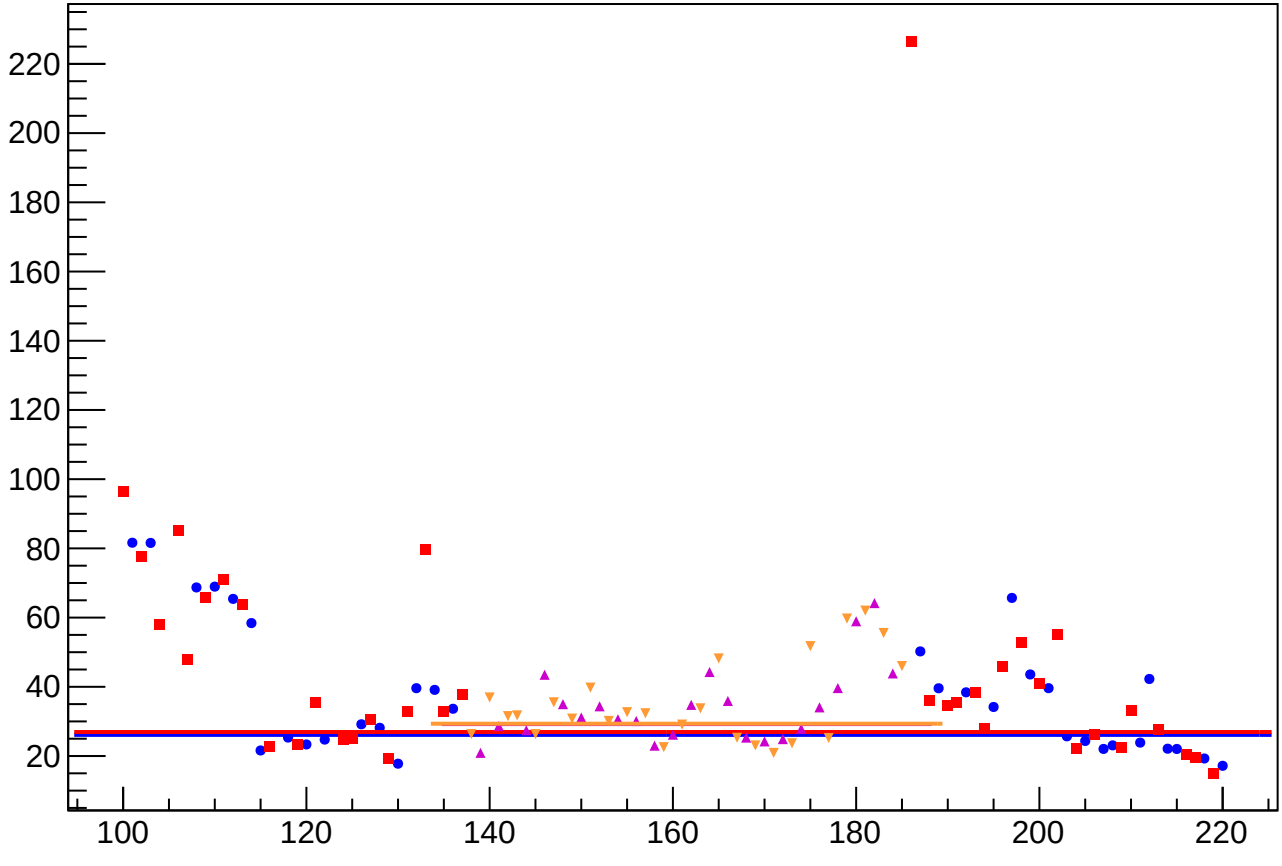
In: 0.001+/-0.000 χ^2/NDF:18047535.2/55

Out: 0.001+/-0.000 χ^2/NDF:21998339.8/61

All: 0.001+/-0.000 χ^2/NDF: 40456835.1/117


asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: -0.005+/-0.006 χ²/NDF: 35.5/32
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: 0.022+/-0.007 χ²/NDF: 82.4/36
Left In: 0.006+/-0.007 χ²/NDF:31.0/22
Left: 0.006+/-0.005 χ²/NDF: 65.0/47
Right: 0.008+/-0.005 χ²/NDF: 126.2/69
In: 0.000+/-0.005 χ²/NDF:67.7/55
Out: 0.014+/-0.005 χ²/NDF:119.5/61
All: 0.007+/-0.003 χ²/NDF: 191.3/117

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.108+/-0.005 χ^2/NDF: 5127667.5/32

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

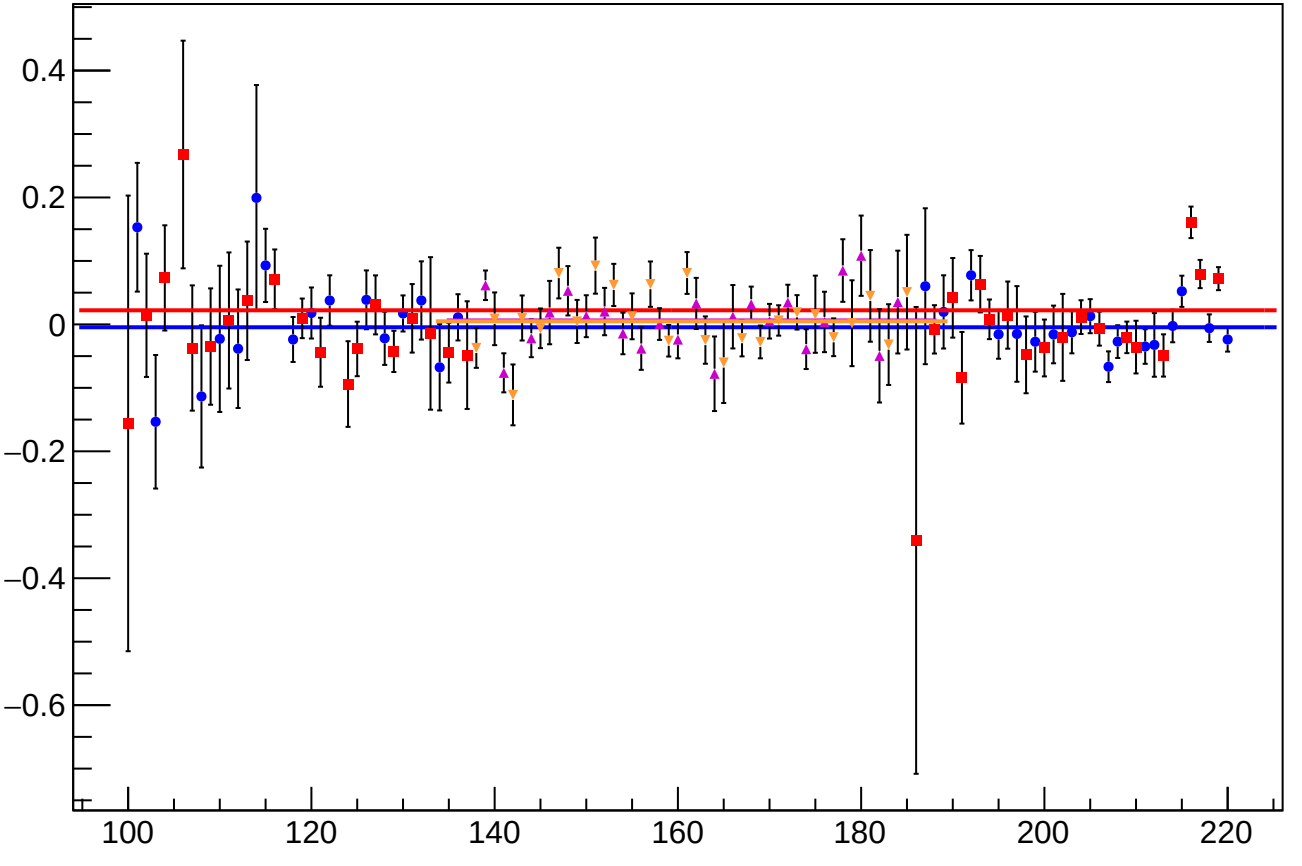
Right: 26.503+/-0.003 χ^2/NDF: 11495793.5/69

In: 27.472+/-0.003 χ^2/NDF:7432909.6/55

Out: 28.066+/-0.003 χ^2/NDF:9160396.5/61

All: 27.764+/-0.002 χ^2/NDF: 16608384.8/117

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.006 χ^2/NDF: 35.5/32

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

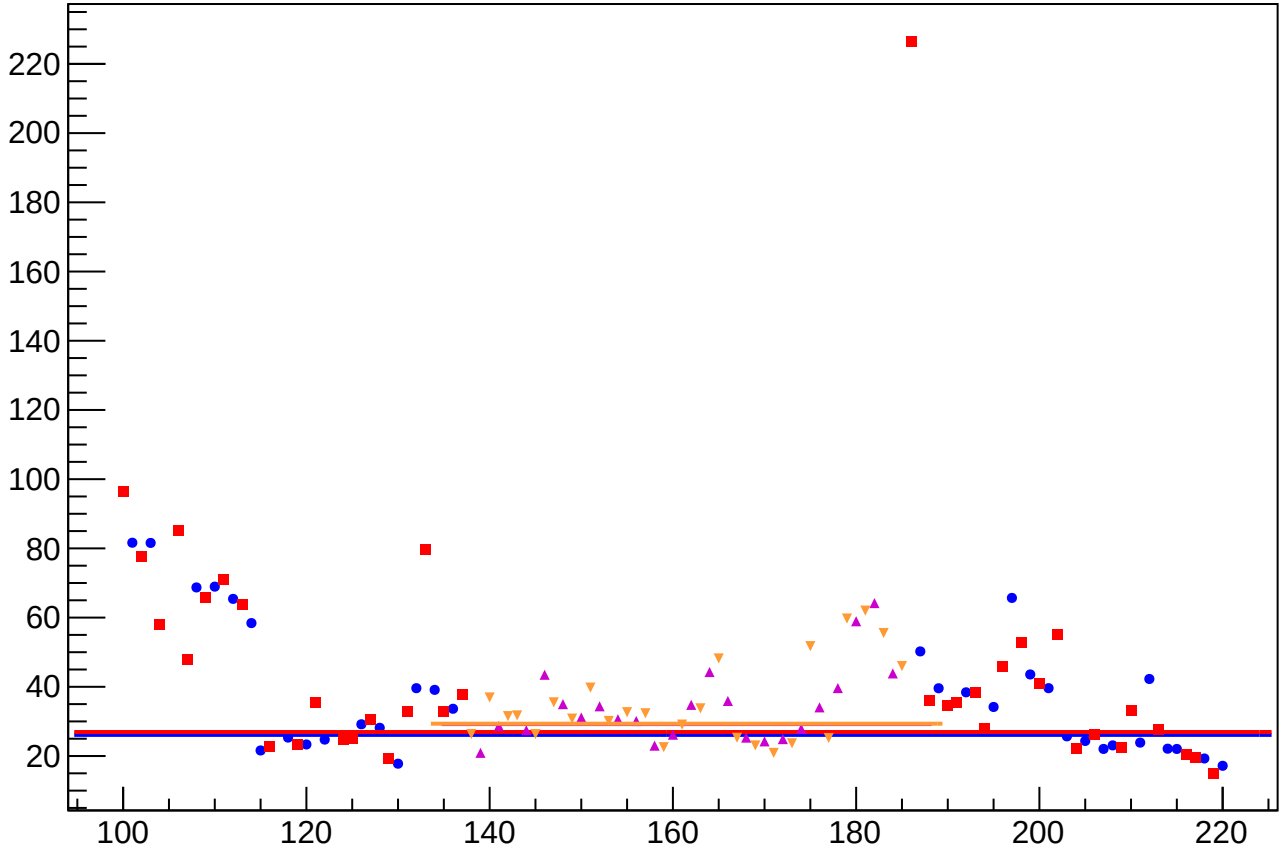
Right: 0.008+/-0.005 χ^2/NDF: 126.2/69

In: 0.000+/-0.005 χ^2/NDF:67.7/55

Out: 0.014+/-0.005 χ^2/NDF:119.5/61

All: 0.007+/-0.003 χ^2/NDF: 191.3/117

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.108+/-0.005 χ^2/NDF: 5127667.5/32

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

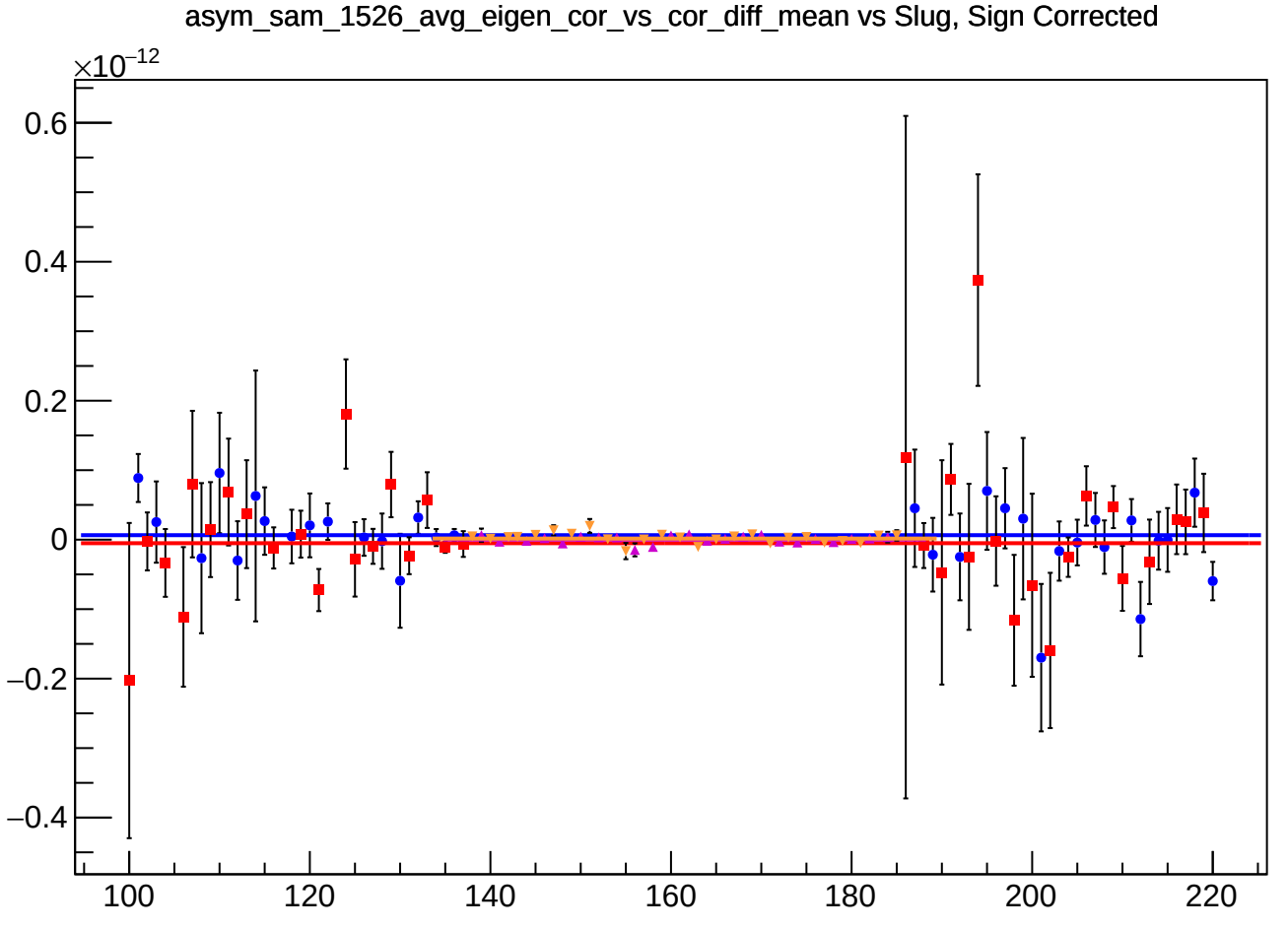
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 26.503+/-0.003 χ^2/NDF: 11495793.5/69

In: 27.472+/-0.003 χ^2/NDF:7432909.6/55

Out: 28.066+/-0.003 χ^2/NDF:9160396.5/61

All: 27.764+/-0.002 χ^2/NDF: 16608384.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.7/36

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

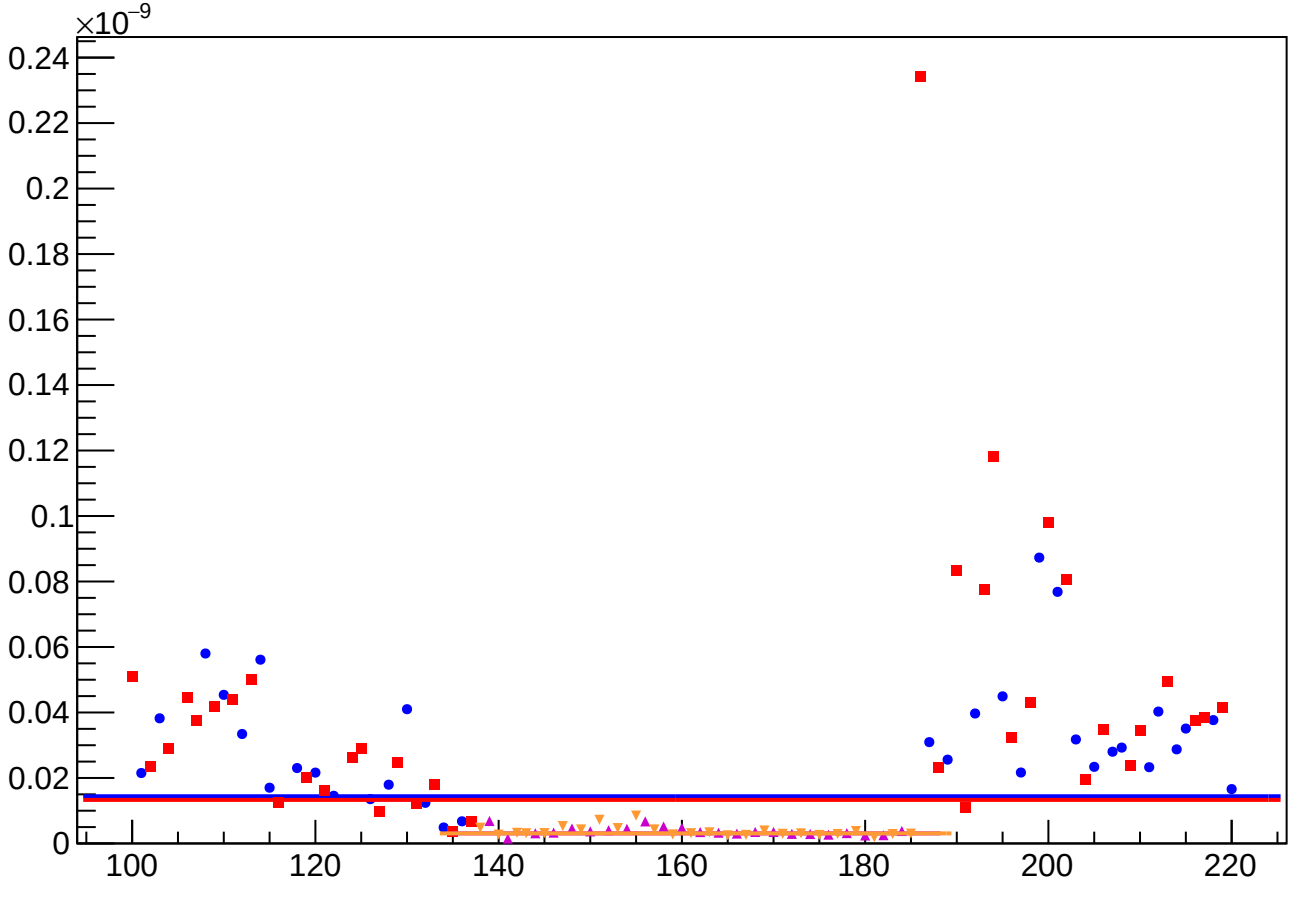
Right: 0.000+/-0.000 χ^2/NDF: 75.0/69

In: 0.000+/-0.000 χ^2/NDF:48.8/55

Out: 0.000+/-0.000 χ^2/NDF:80.2/61

All: 0.000+/-0.000 χ^2/NDF: 129.6/117

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9509823.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13674526.3/36

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

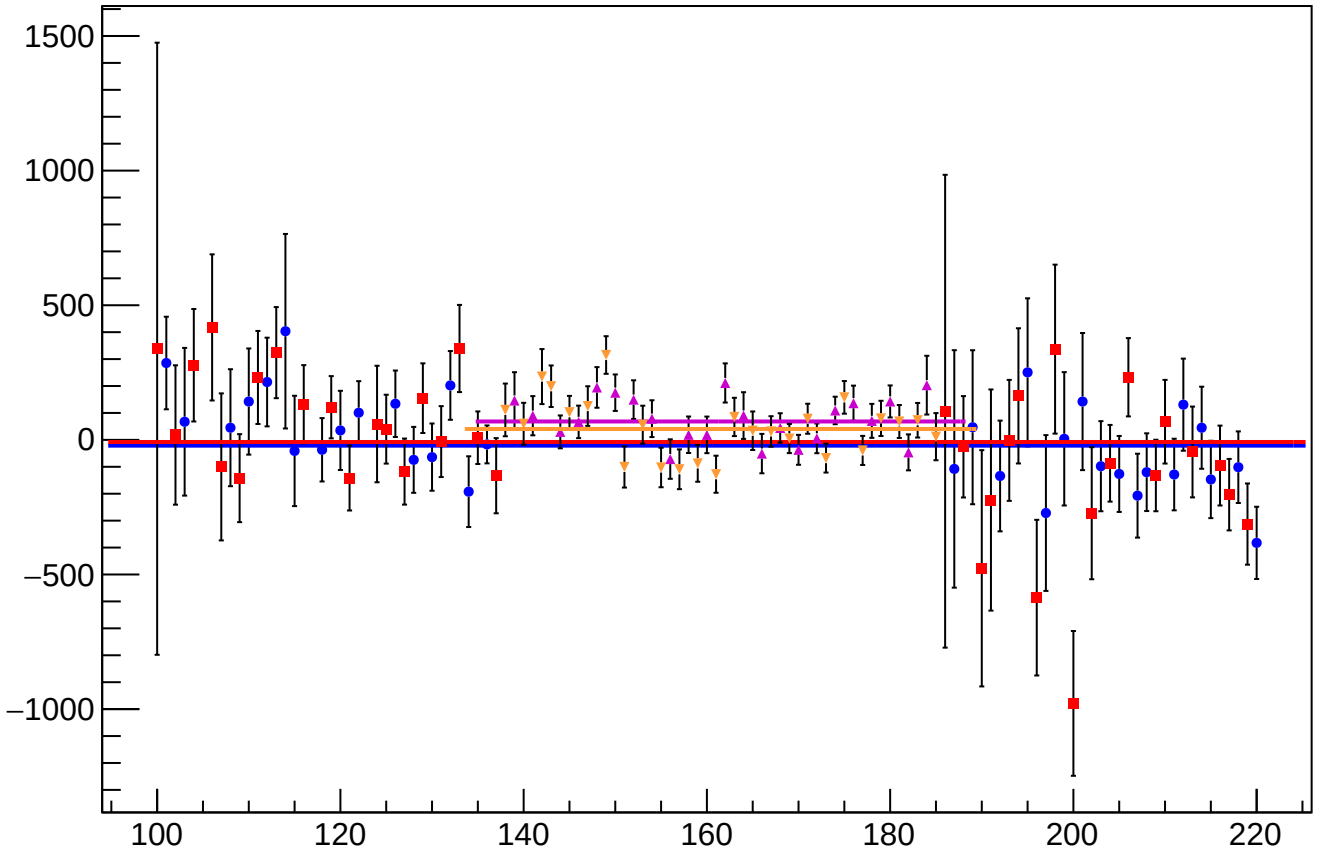
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 23228636.8/69

In: 0.000+/-0.000 χ^2/NDF:20657562.4/55

Out: 0.000+/-0.000 χ^2/NDF:22866057.8/61

All: 0.000+/-0.000 χ^2/NDF: 43528335.3/117



Right In: -21.450+/-26.365 χ^2/NDF: 30.6/32

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -7.870+/-27.437 χ^2/NDF: 54.6/36

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

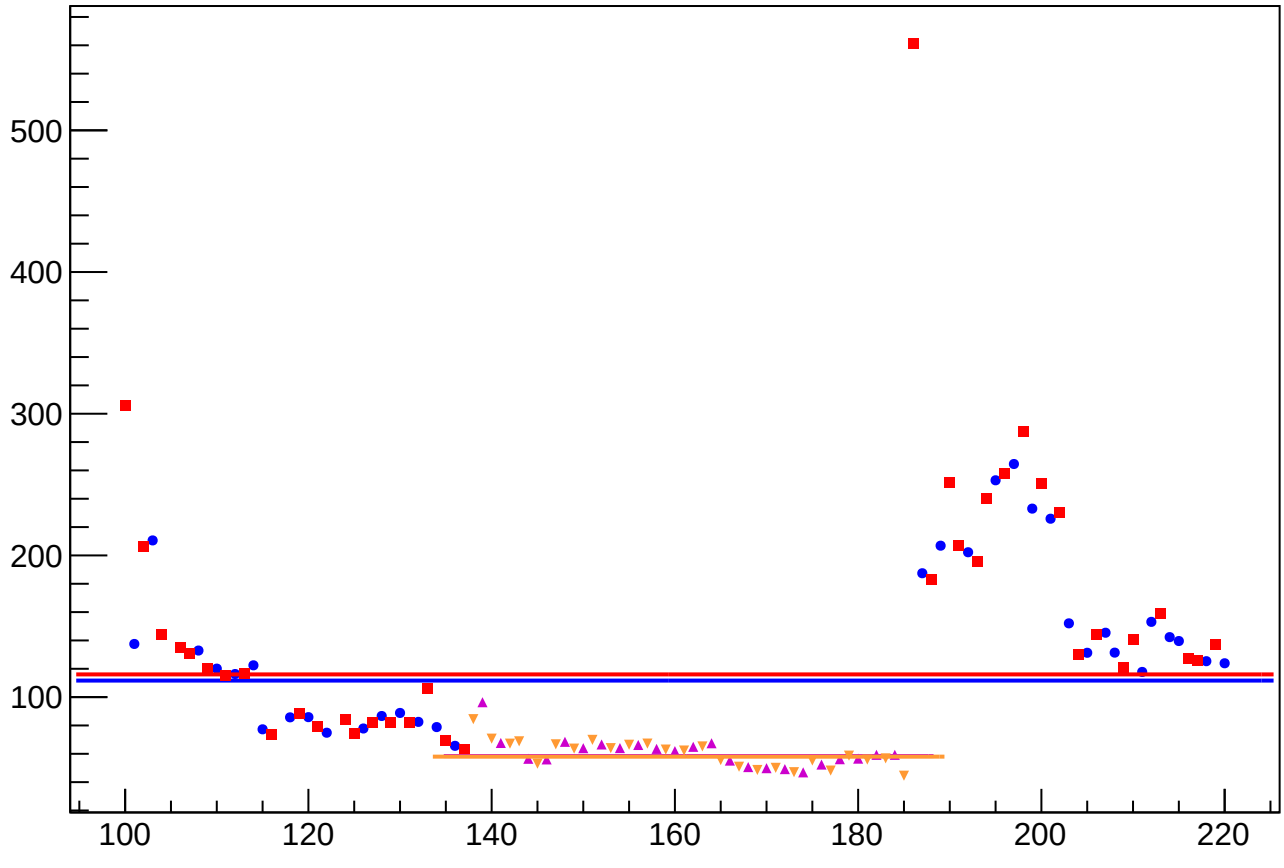
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: -14.930+/-19.011 χ^2/NDF: 85.4/69

In: 48.888+/-12.272 χ^2/NDF:71.5/55

Out: 31.055+/-12.042 χ^2/NDF:116.5/61

All: 39.803+/-8.595 χ^2/NDF: 189.0/117



Right In: 111.674+/-0.019 χ^2/NDF: 5368859.9/32

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 116.033+/-0.019 χ^2/NDF: 6400208.7/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

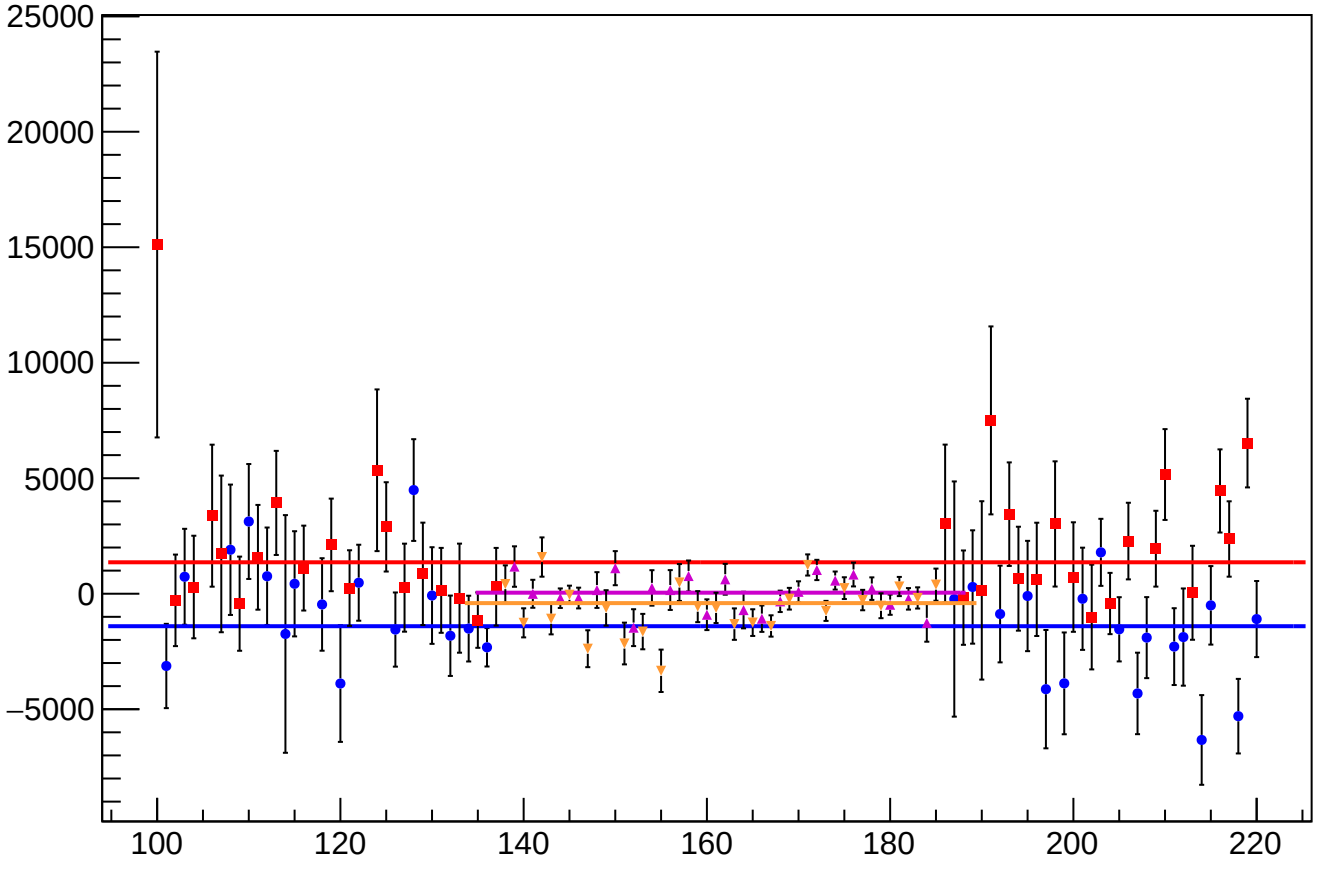
Right: 113.767+/-0.013 χ^2/NDF: 11795314.2/69

In: 69.941+/-0.009 χ^2/NDF:12501647.1/55

Out: 69.175+/-0.009 χ^2/NDF:14432920.2/61

All: 69.551+/-0.006 χ^2/NDF: 26938529.9/117

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1406.370+/-317.731 χ^2/NDF: 43.8/32

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 1360.932+/-336.119 χ^2/NDF: 37.5/36

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

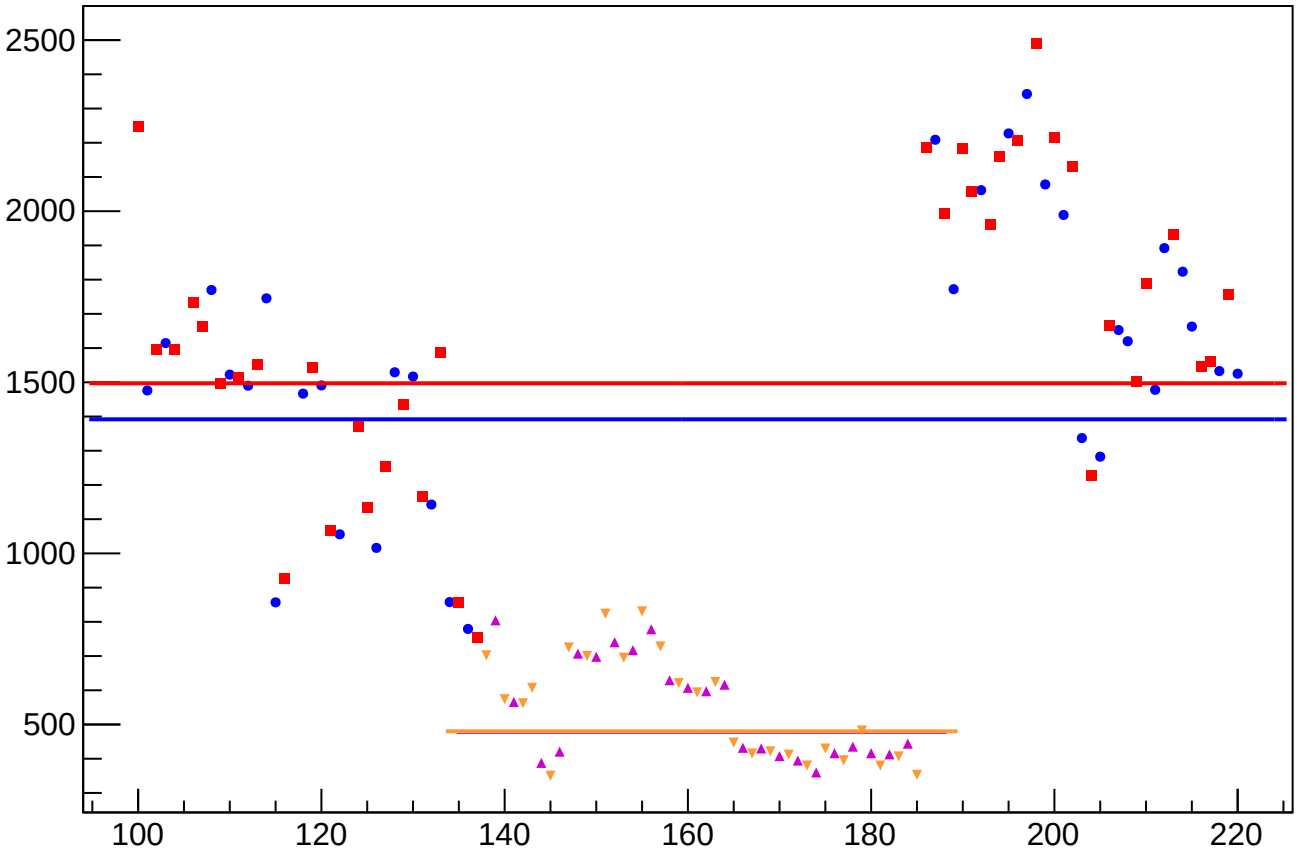
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

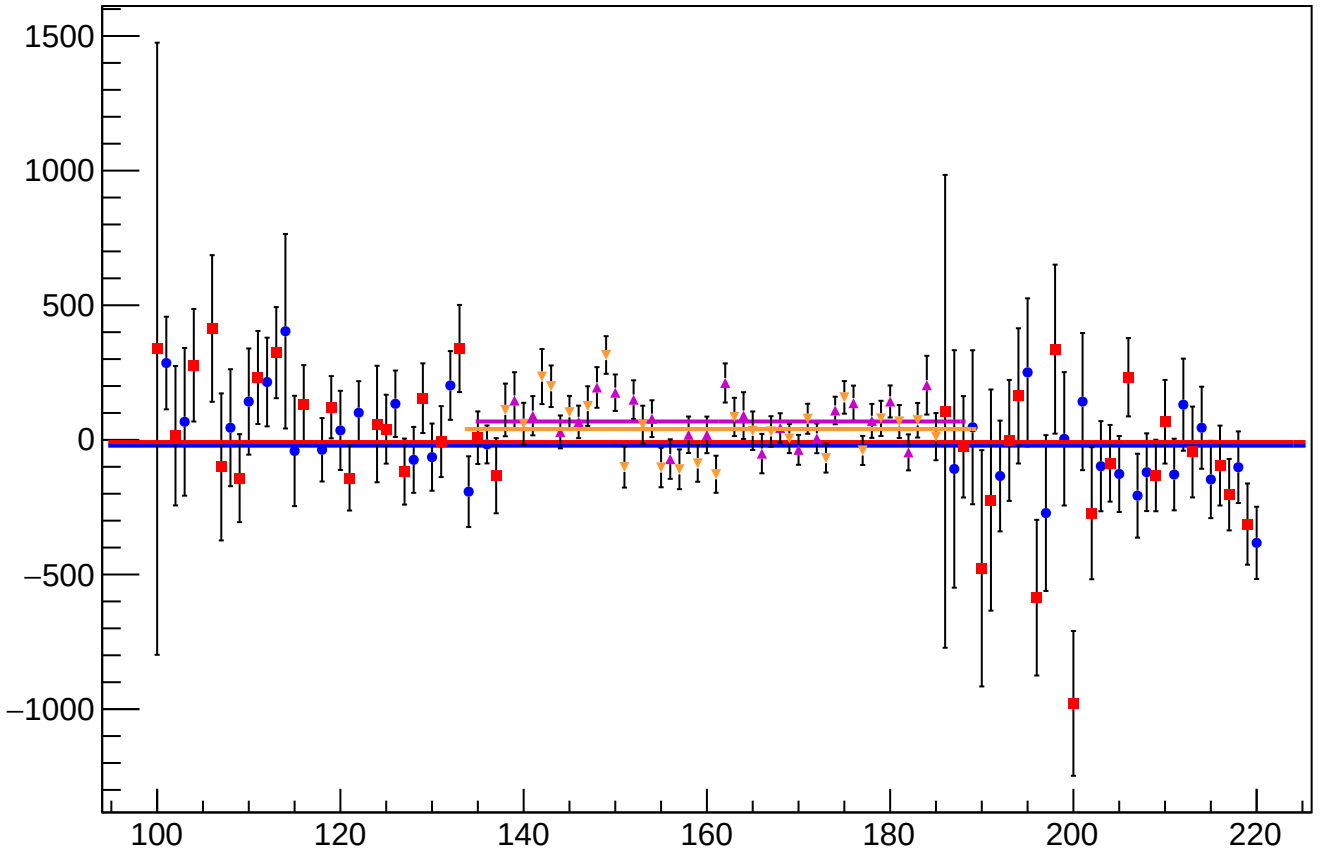
Right: -100.482+/-230.897 χ^2/NDF: 117.1/69

In: -125.239+/-108.770 χ^2/NDF:93.3/55

Out: -225.527+/-107.507 χ^2/NDF:125.5/61

All: -175.969+/-76.462 χ^2/NDF: 219.2/117


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1391.859+/-0.225 χ²/NDF: 3368484.0/32
Left Out: 480.162+/-0.080 χ²/NDF:2582213.9/24
Right Out: 1497.122+/-0.238 χ²/NDF: 3124182.0/36
Left In: 478.084+/-0.082 χ²/NDF:2215520.4/22
Left: 479.144+/-0.057 χ²/NDF: 4798063.1/47
Right: 1441.533+/-0.163 χ²/NDF: 6596252.9/69
In: 585.171+/-0.077 χ²/NDF:20187452.4/55
Out: 584.199+/-0.076 χ²/NDF:22141811.7/61
All: 584.680+/-0.054 χ²/NDF: 42329344.9/1



Right In: -21.457+/-26.365 χ^2/NDF: 30.6/32

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -7.964+/-27.438 χ^2/NDF: 54.5/36

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

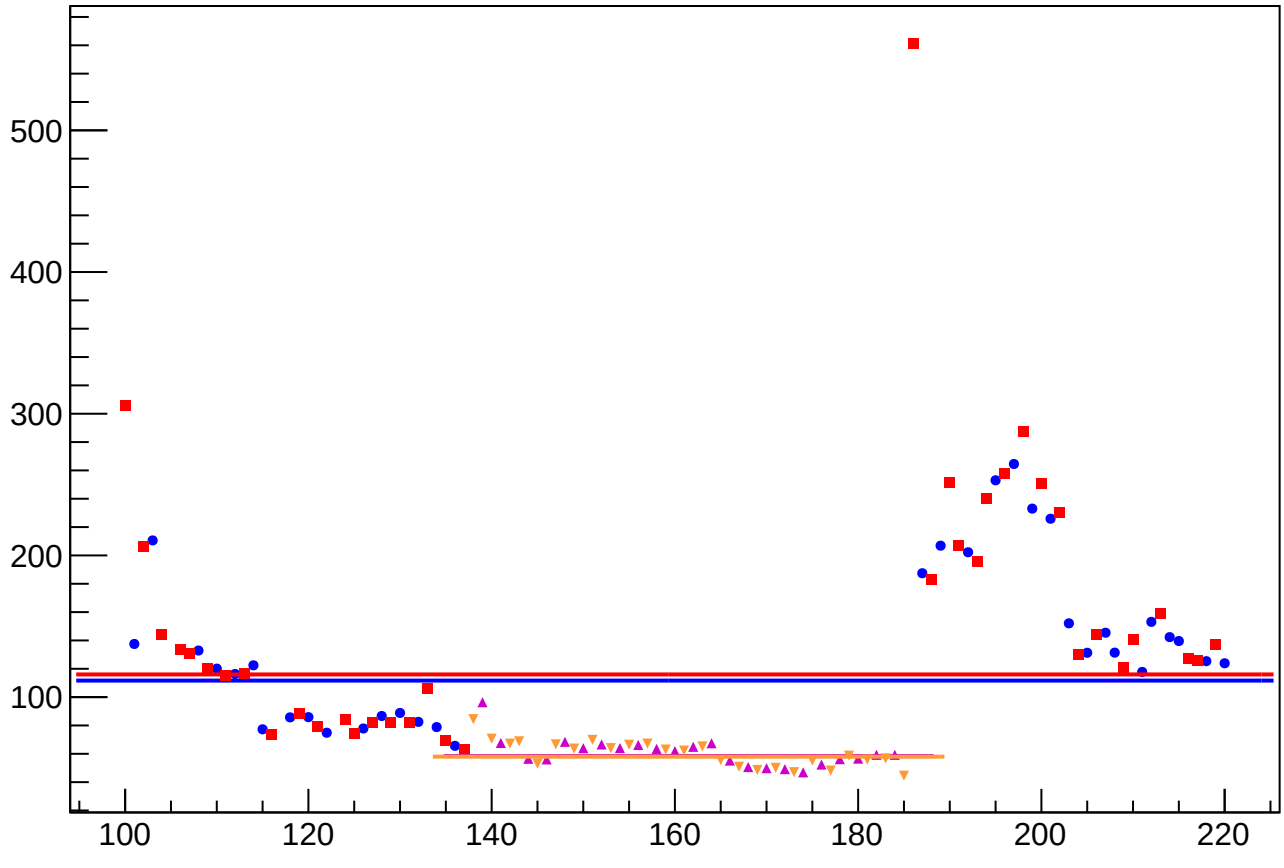
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -14.980+/-19.011 χ^2/NDF: 85.3/69

In: 48.886+/-12.272 χ^2/NDF:71.5/55

Out: 31.039+/-12.042 χ^2/NDF:116.4/61

All: 39.793+/-8.595 χ^2/NDF: 189.0/117



Right In: 111.674+/-0.019 χ^2/NDF: 5368863.0/32

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

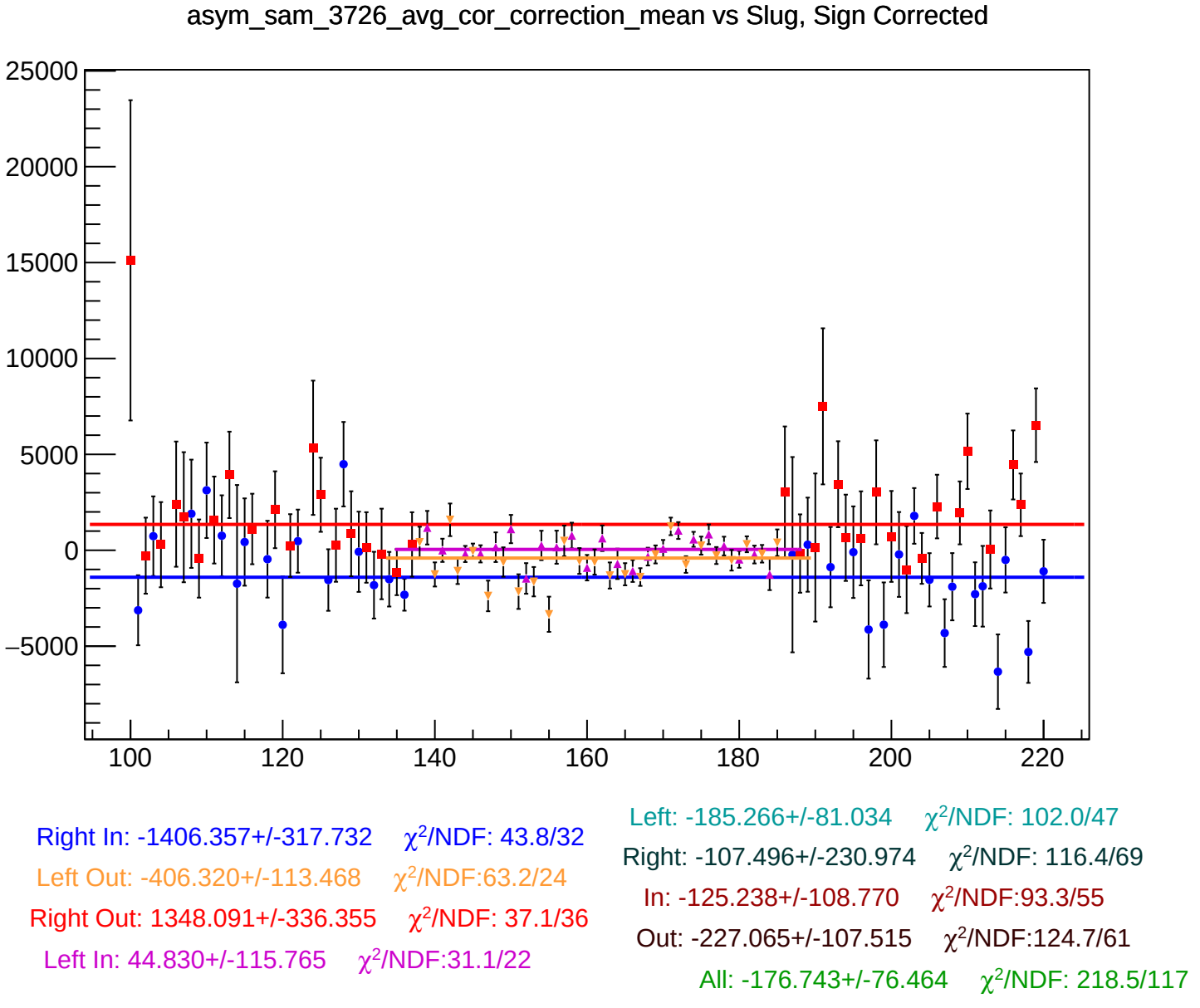
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

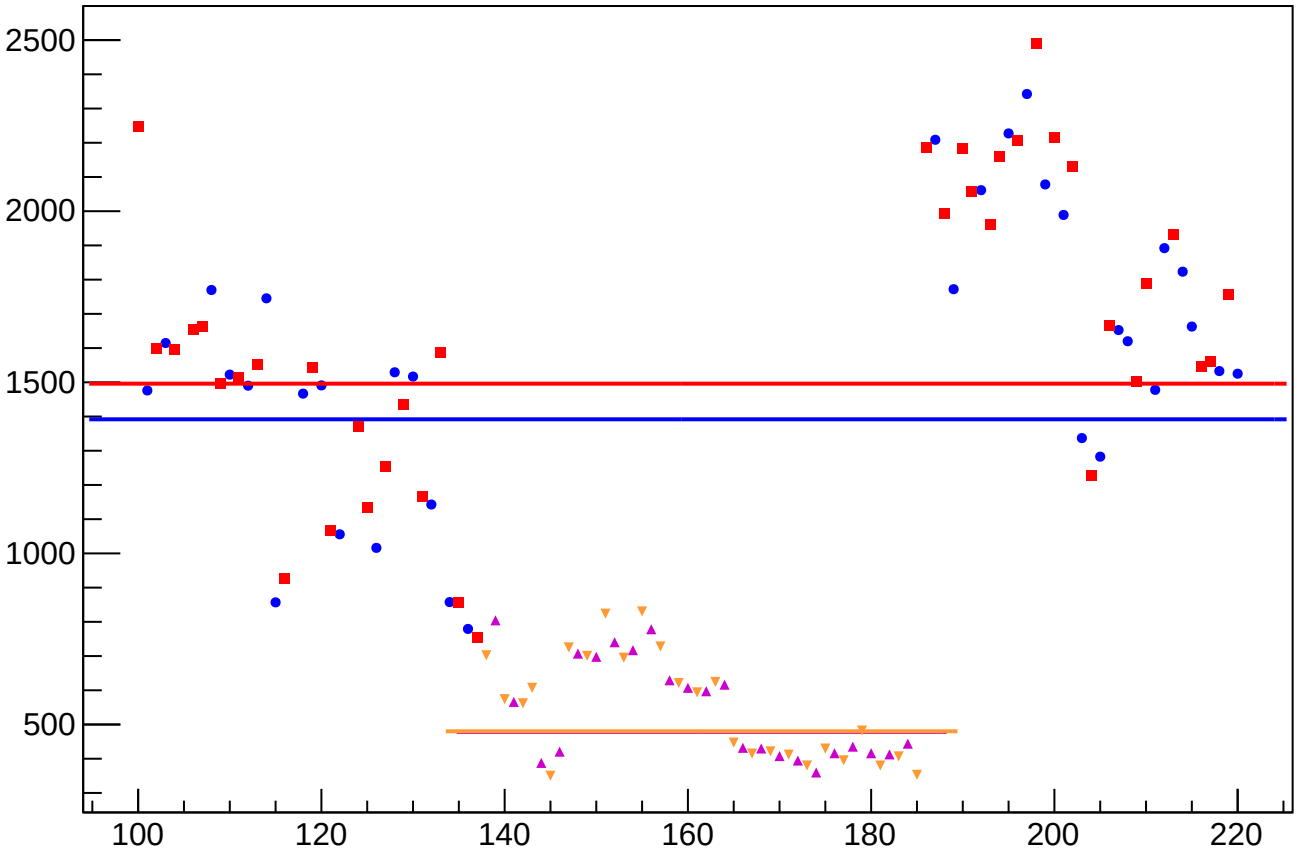
Right: 113.757+/-0.013 χ^2/NDF: 11793395.7/69

In: 69.941+/-0.009 χ^2/NDF:12501649.5/55

Out: 69.171+/-0.009 χ^2/NDF:14425578.2/61

All: 69.548+/-0.006 χ^2/NDF: 26931239.4/117


asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -1406.357+/-317.732 χ²/NDF: 43.8/32
Left Out: -406.320+/-113.468 χ²/NDF:63.2/24
Right Out: 1348.091+/-336.355 χ²/NDF: 37.1/36
Left In: 44.830+/-115.765 χ²/NDF:31.1/22
Left: -185.266+/-81.034 χ²/NDF: 102.0/47
Right: -107.496+/-230.974 χ²/NDF: 116.4/69
In: -125.238+/-108.770 χ²/NDF:93.3/55
Out: -227.065+/-107.515 χ²/NDF:124.7/61
All: -176.743+/-76.464 χ²/NDF: 218.5/117



Right In: 1391.861+/-0.225 χ^2/NDF: 3368509.7/32

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

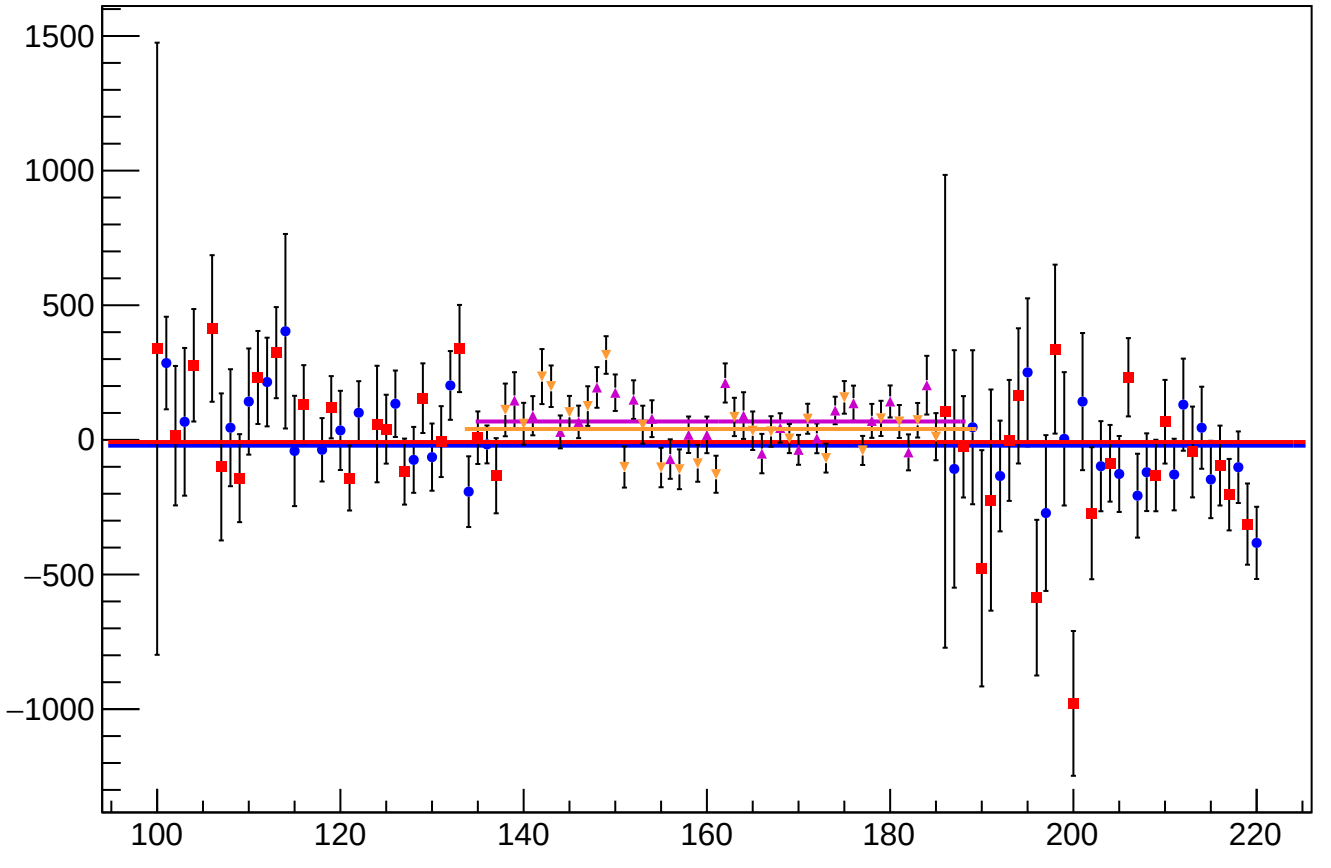
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1440.968+/-0.163 χ^2/NDF: 6586971.6/69

In: 585.171+/-0.077 χ^2/NDF:20187478.6/55

Out: 583.954+/-0.076 χ^2/NDF:22077906.1/61

All: 584.556+/-0.054 χ^2/NDF: 42265511.4/1



Right In: -21.457+/-26.365 χ^2/NDF: 30.6/32

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -7.964+/-27.438 χ^2/NDF: 54.5/36

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

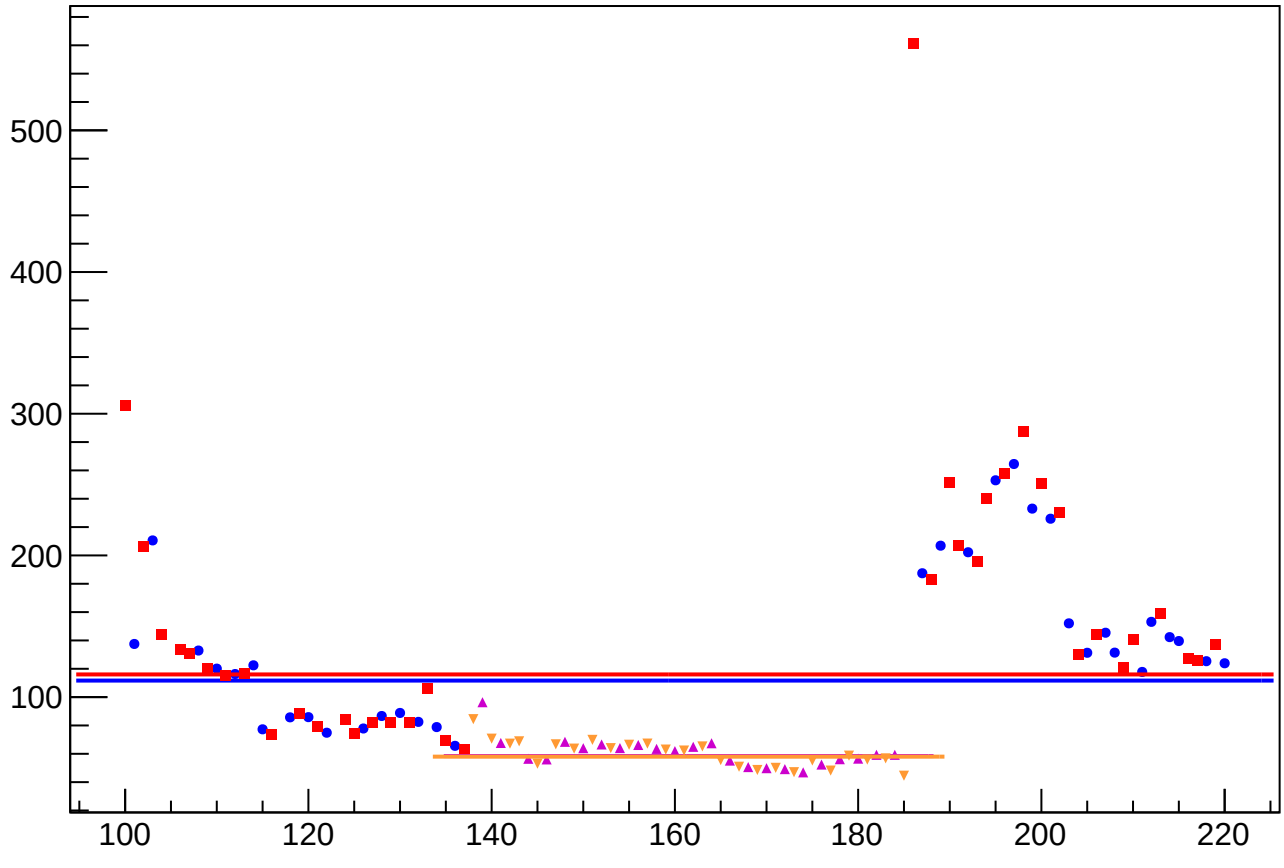
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: -14.980+/-19.011 χ^2/NDF: 85.3/69

In: 48.886+/-12.272 χ^2/NDF:71.5/55

Out: 31.039+/-12.042 χ^2/NDF:116.4/61

All: 39.793+/-8.595 χ^2/NDF: 189.0/117



Right In: 111.674+/-0.019 χ^2/NDF: 5368863.0/32

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

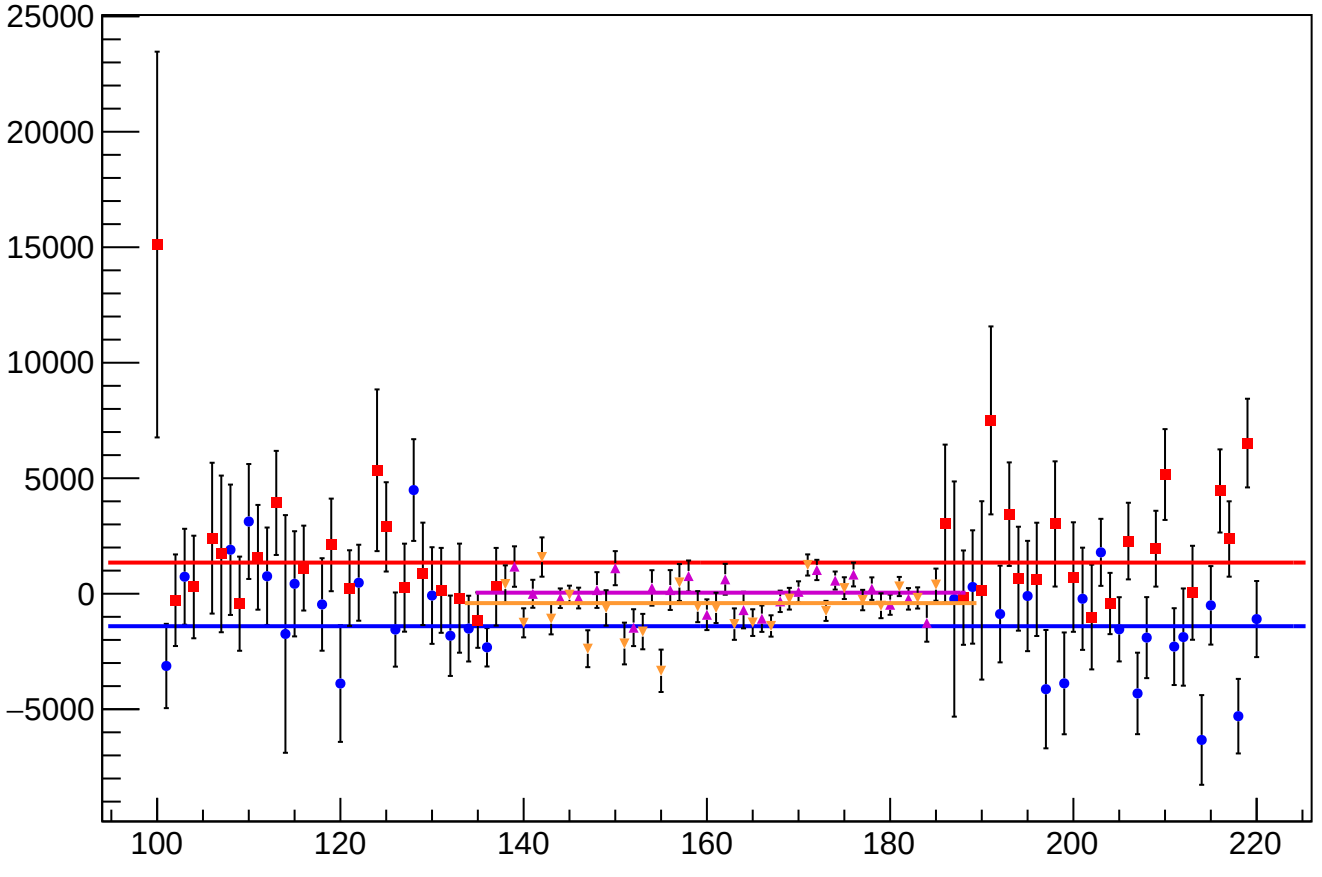
Right: 113.757+/-0.013 χ^2/NDF: 11793395.7/69

In: 69.941+/-0.009 χ^2/NDF:12501649.5/55

Out: 69.171+/-0.009 χ^2/NDF:14425578.2/61

All: 69.548+/-0.006 χ^2/NDF: 26931239.4/117

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1406.357+/-317.732 χ^2/NDF: 43.8/32

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 1348.091+/-336.355 χ^2/NDF: 37.1/36

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

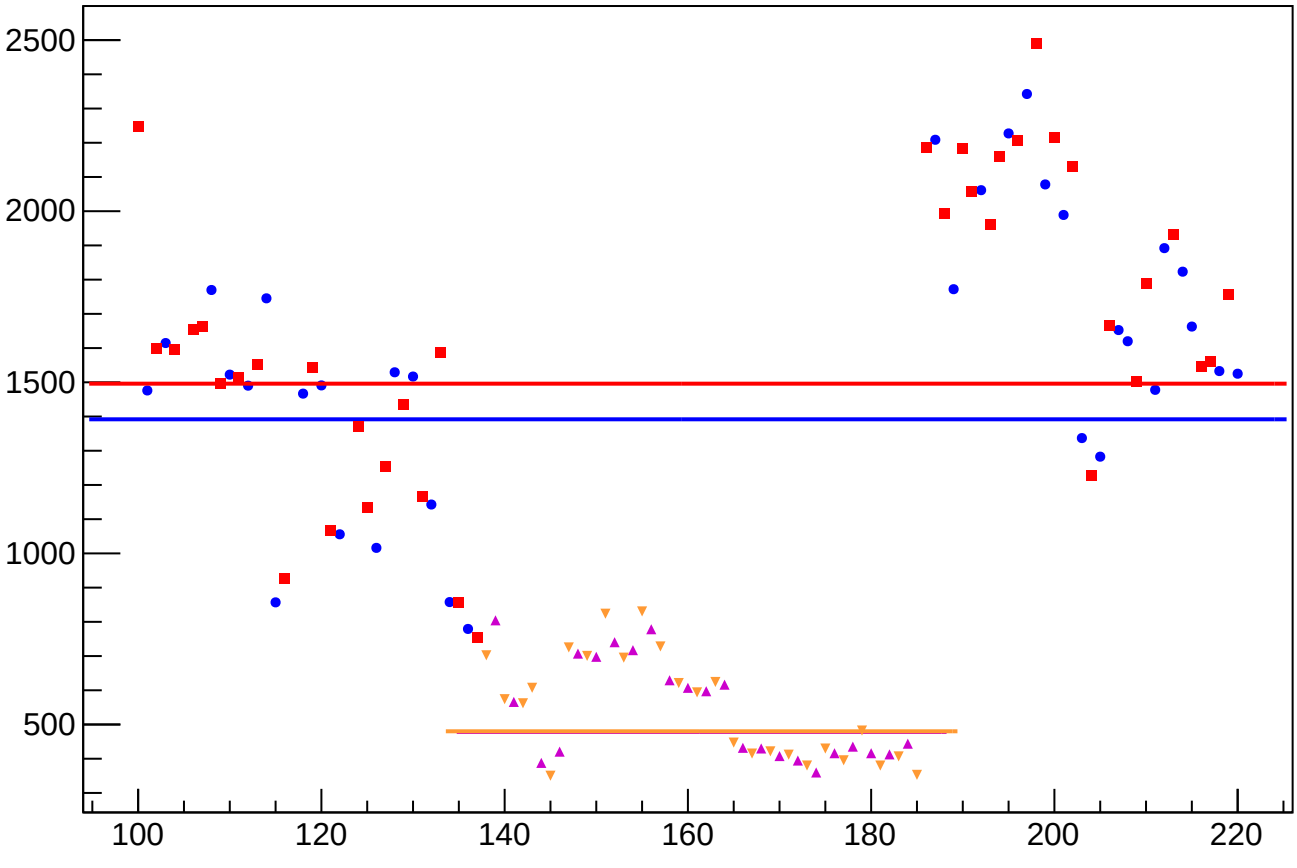
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -107.496+/-230.974 χ^2/NDF: 116.4/69

In: -125.238+/-108.770 χ^2/NDF:93.3/55

Out: -227.065+/-107.515 χ^2/NDF:124.7/61

All: -176.743+/-76.464 χ^2/NDF: 218.5/117



Right In: 1391.861+/-0.225 χ^2/NDF: 3368509.7/32

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

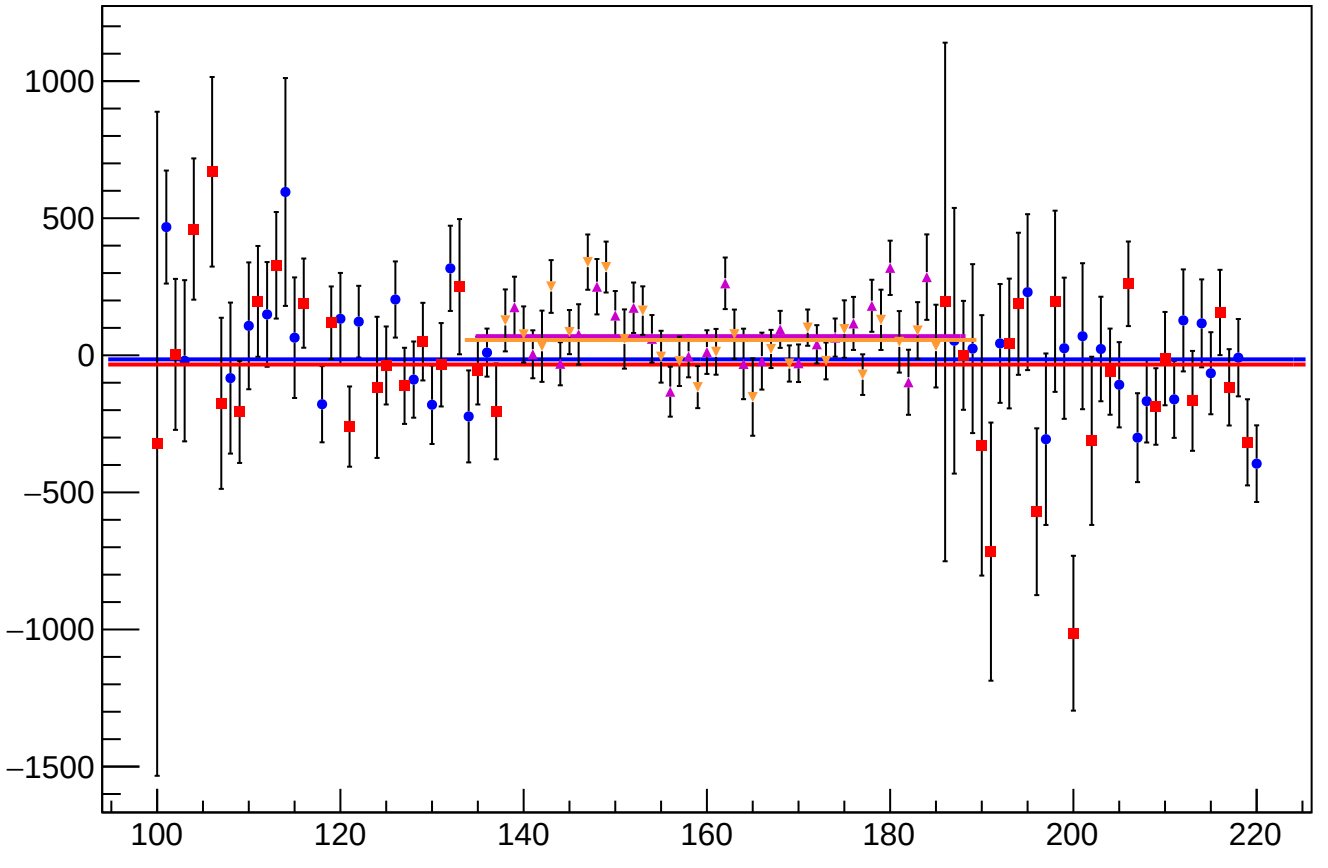
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1440.968+/-0.163 χ^2/NDF: 6586971.6/69

In: 585.171+/-0.077 χ^2/NDF:20187478.6/55

Out: 583.954+/-0.076 χ^2/NDF:22077906.1/61

All: 584.556+/-0.054 χ^2/NDF: 42265511.4/1



Right In: -14.799+/-29.747 χ^2/NDF: 38.6/32

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -33.630+/-31.062 χ^2/NDF: 52.8/36

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

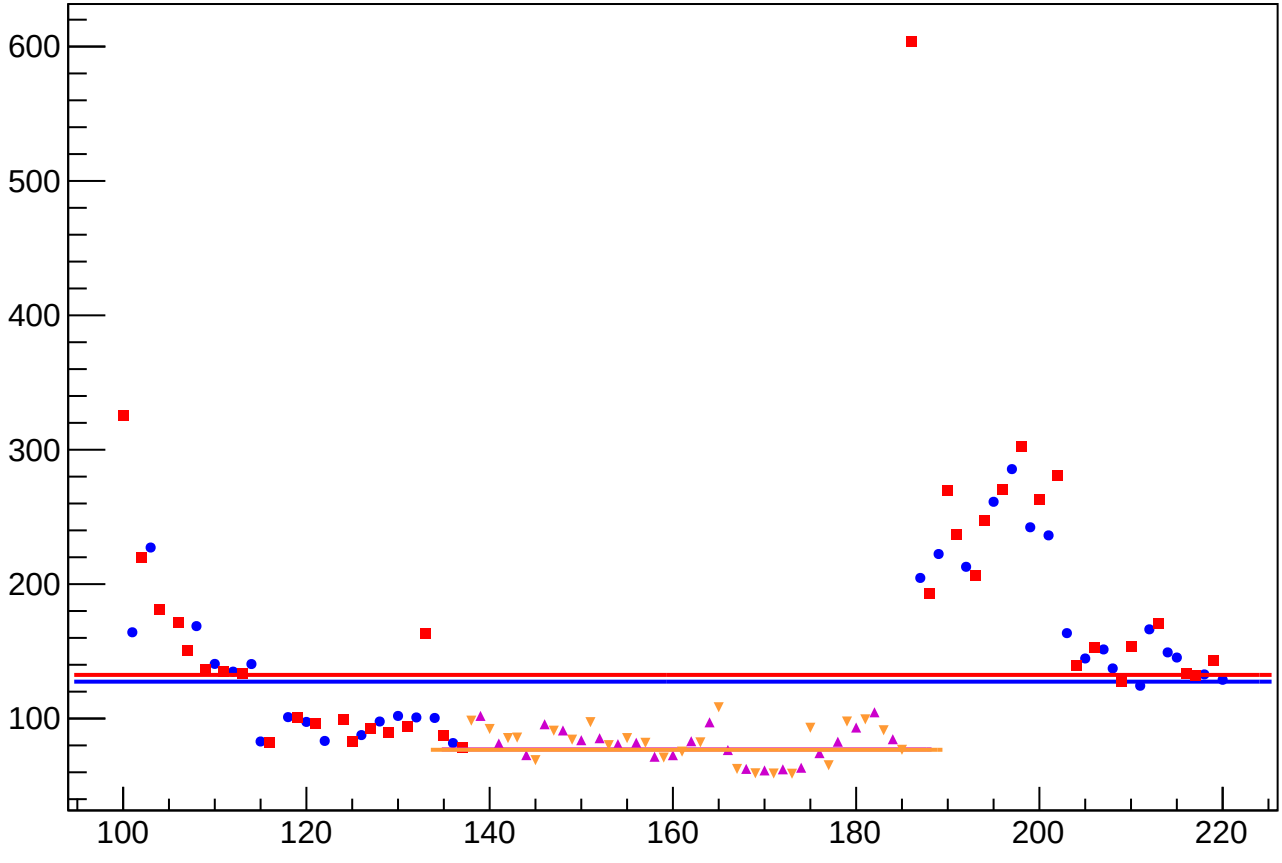
Right: -23.808+/-21.484 χ^2/NDF: 91.6/69

In: 46.243+/-15.708 χ^2/NDF:79.0/55

Out: 33.525+/-15.541 χ^2/NDF:97.4/61

All: 39.816+/-11.048 χ^2/NDF: 176.7/117

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 127.436+/-0.021 χ^2/NDF: 4313810.5/32

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 132.460+/-0.022 χ^2/NDF: 5570721.0/36

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

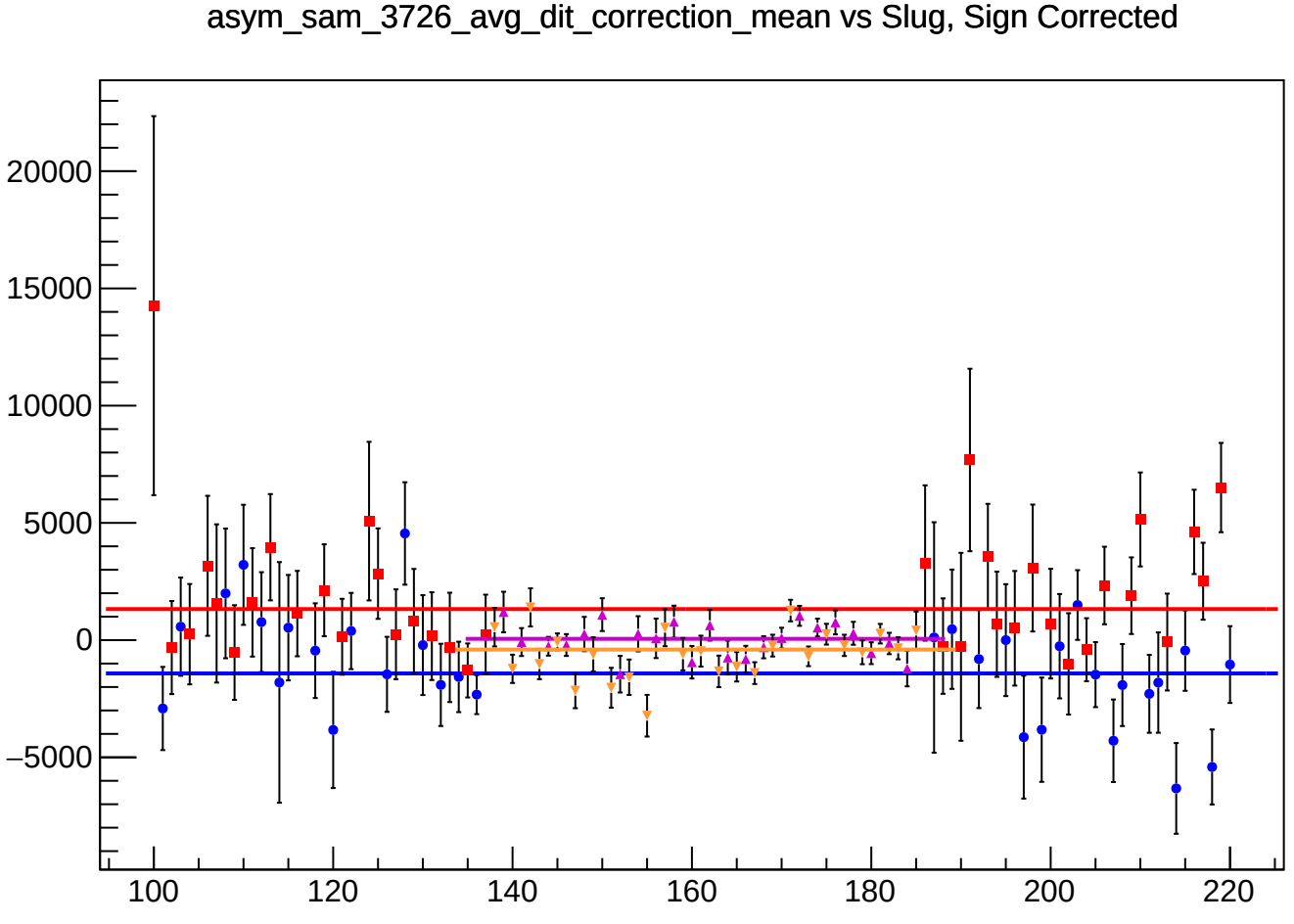
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 129.840+/-0.015 χ^2/NDF: 9911822.6/69

In: 91.076+/-0.011 χ^2/NDF:9316062.2/55

Out: 90.691+/-0.011 χ^2/NDF:11629425.6/61

All: 90.881+/-0.008 χ^2/NDF: 20946094.4/117



Right In: -1421.238+/-319.029 χ^2/NDF: 43.2/32

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 1323.769+/-334.213 χ^2/NDF: 39.6/36

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

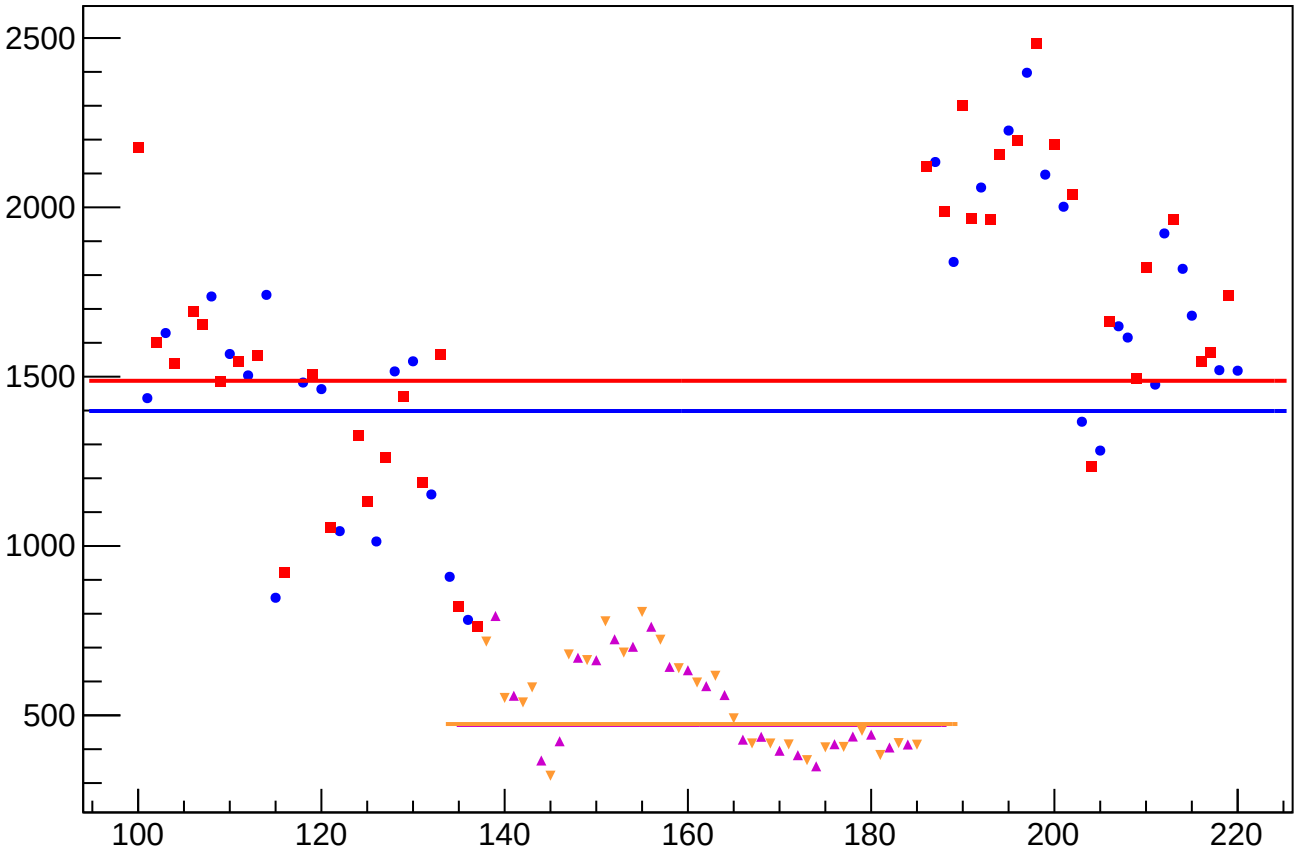
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -112.504+/-230.769 χ^2/NDF: 118.2/69

In: -113.451+/-107.538 χ^2/NDF:92.8/55

Out: -229.630+/-106.002 χ^2/NDF:124.4/61

All: -172.376+/-75.492 χ^2/NDF: 217.8/117



Right In: 1398.651+/-0.226 χ^2/NDF: 3337393.6/32

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1487.817+/-0.236 χ^2/NDF: 3185737.0/36

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

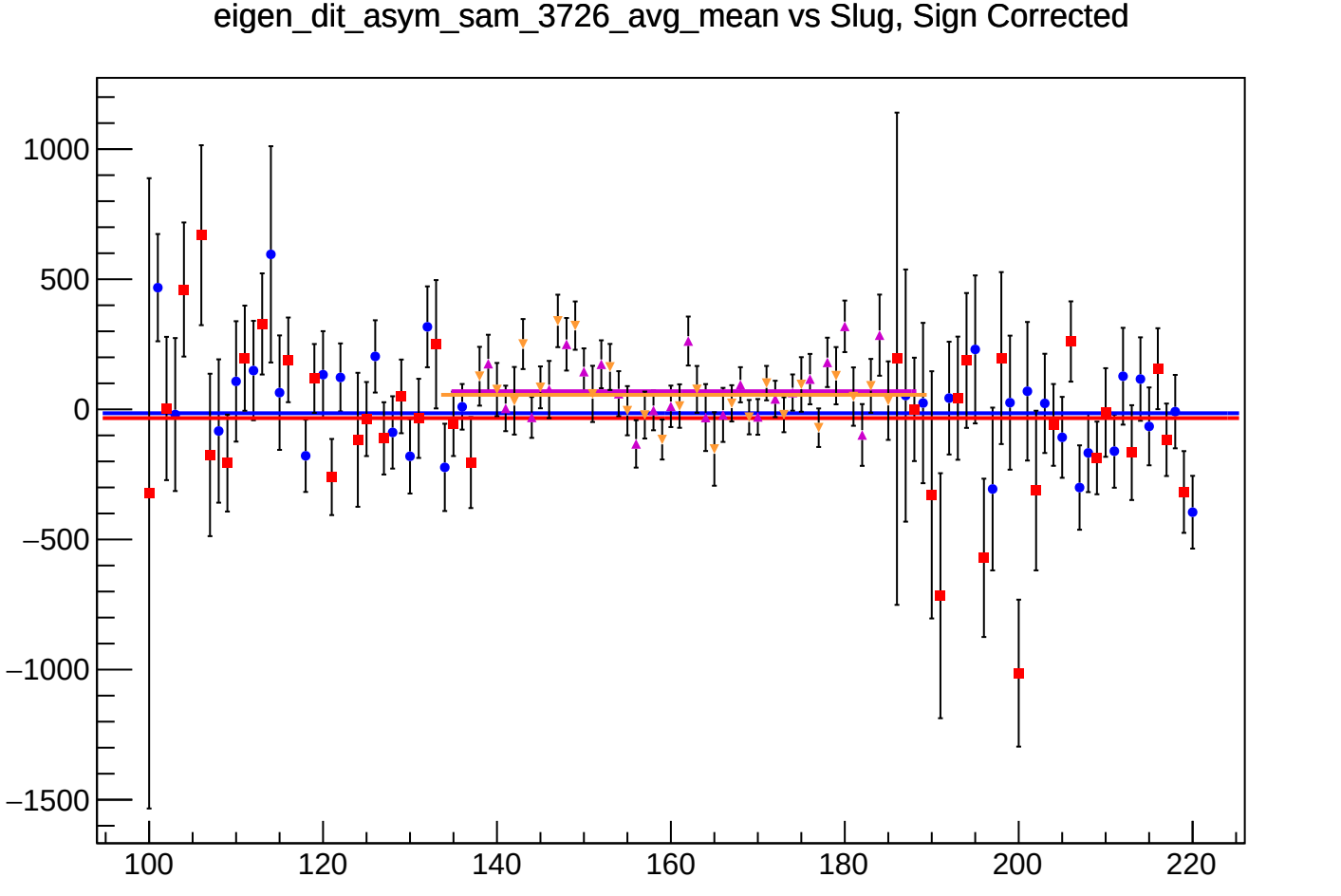
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1441.162+/-0.163 χ^2/NDF: 6597617.3/69

In: 576.807+/-0.076 χ^2/NDF:20520455.2/55

Out: 576.251+/-0.075 χ^2/NDF:22267407.5/61

All: 576.525+/-0.053 χ^2/NDF: 42787889.9/1



Right In: -14.797+/-29.747 χ^2/NDF: 38.6/32

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -33.633+/-31.062 χ^2/NDF: 52.8/36

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

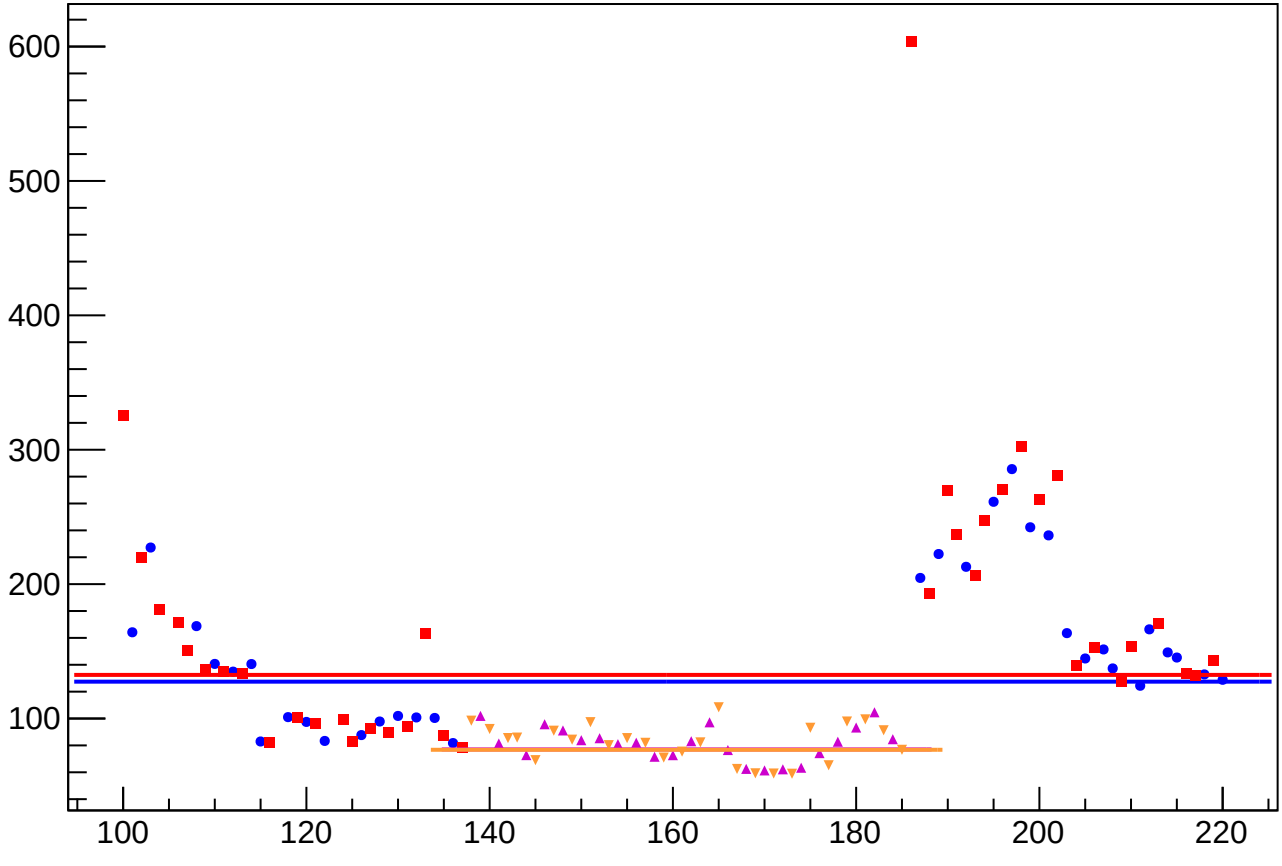
Right: -23.808+/-21.484 χ^2/NDF: 91.6/69

In: 46.243+/-15.708 χ^2/NDF:79.0/55

Out: 33.523+/-15.541 χ^2/NDF:97.4/61

All: 39.815+/-11.048 χ^2/NDF: 176.7/117

eigen_dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 127.436+/-0.021 χ^2/NDF: 4313823.9/32

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 132.460+/-0.022 χ^2/NDF: 5570732.2/36

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

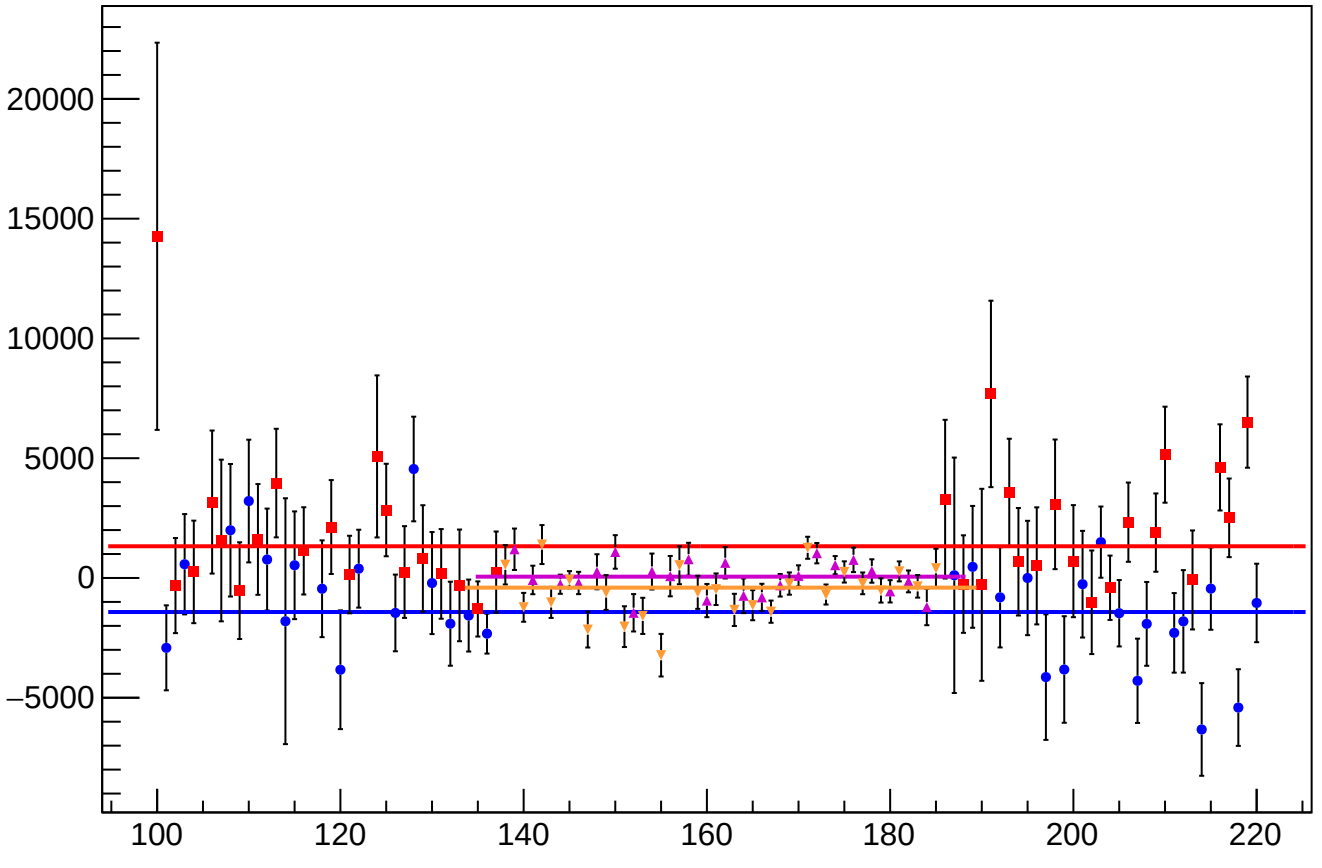
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

Right: 129.840+/-0.015 χ^2/NDF: 9911848.1/69

In: 91.076+/-0.011 χ^2/NDF:9315990.2/55

Out: 90.691+/-0.011 χ^2/NDF:11629369.7/61

All: 90.882+/-0.008 χ^2/NDF: 20945966.5/117



Right In: -1421.235+/-319.029 χ^2/NDF: 43.2/32

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 1323.768+/-334.212 χ^2/NDF: 39.6/36

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

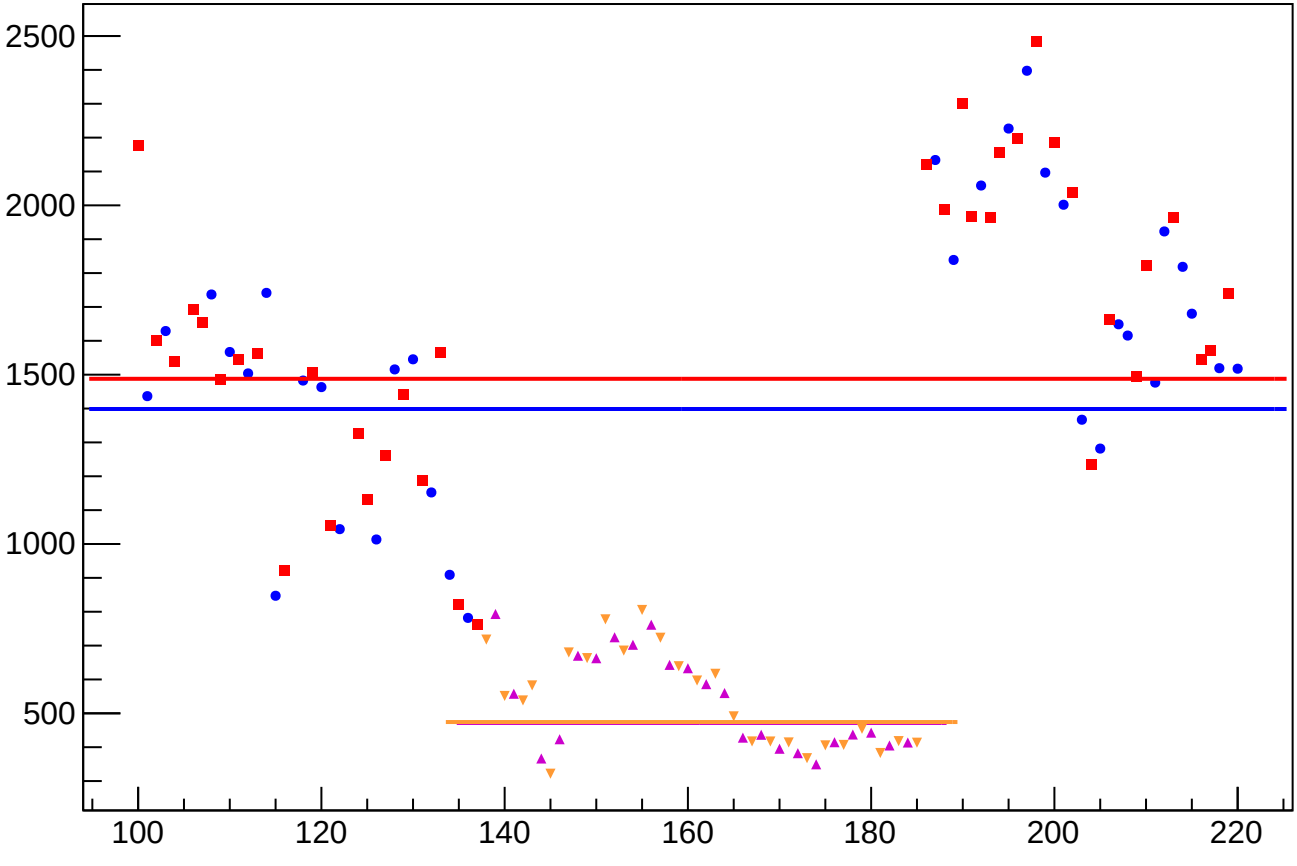
Right: -112.502+/-230.769 χ^2/NDF: 118.2/69

In: -113.451+/-107.538 χ^2/NDF:92.8/55

Out: -229.630+/-106.002 χ^2/NDF:124.4/61

All: -172.376+/-75.492 χ^2/NDF: 217.8/117

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1398.650+/-0.226 χ^2/NDF: 3337385.9/32

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1487.816+/-0.236 χ^2/NDF: 3185733.6/36

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

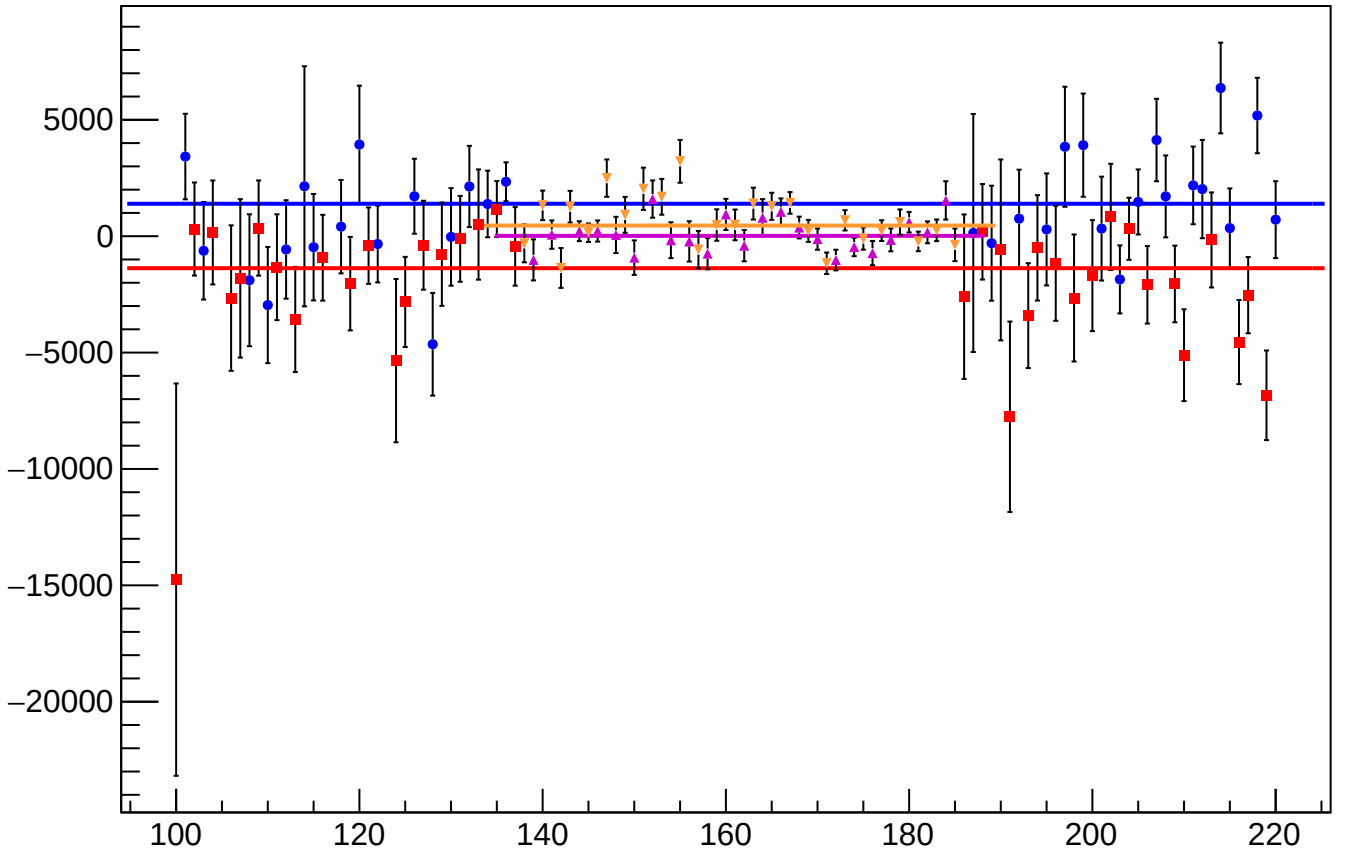
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1441.161+/-0.163 χ^2/NDF: 6597605.9/69

In: 576.807+/-0.076 χ^2/NDF:20520440.4/55

Out: 576.251+/-0.075 χ^2/NDF:22267406.7/61

All: 576.525+/-0.053 χ^2/NDF: 42787874.2/11



Right In: 1394.379+/-319.132 χ^2/NDF: 43.4/32

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -1374.589+/-337.641 χ^2/NDF: 37.0/36

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

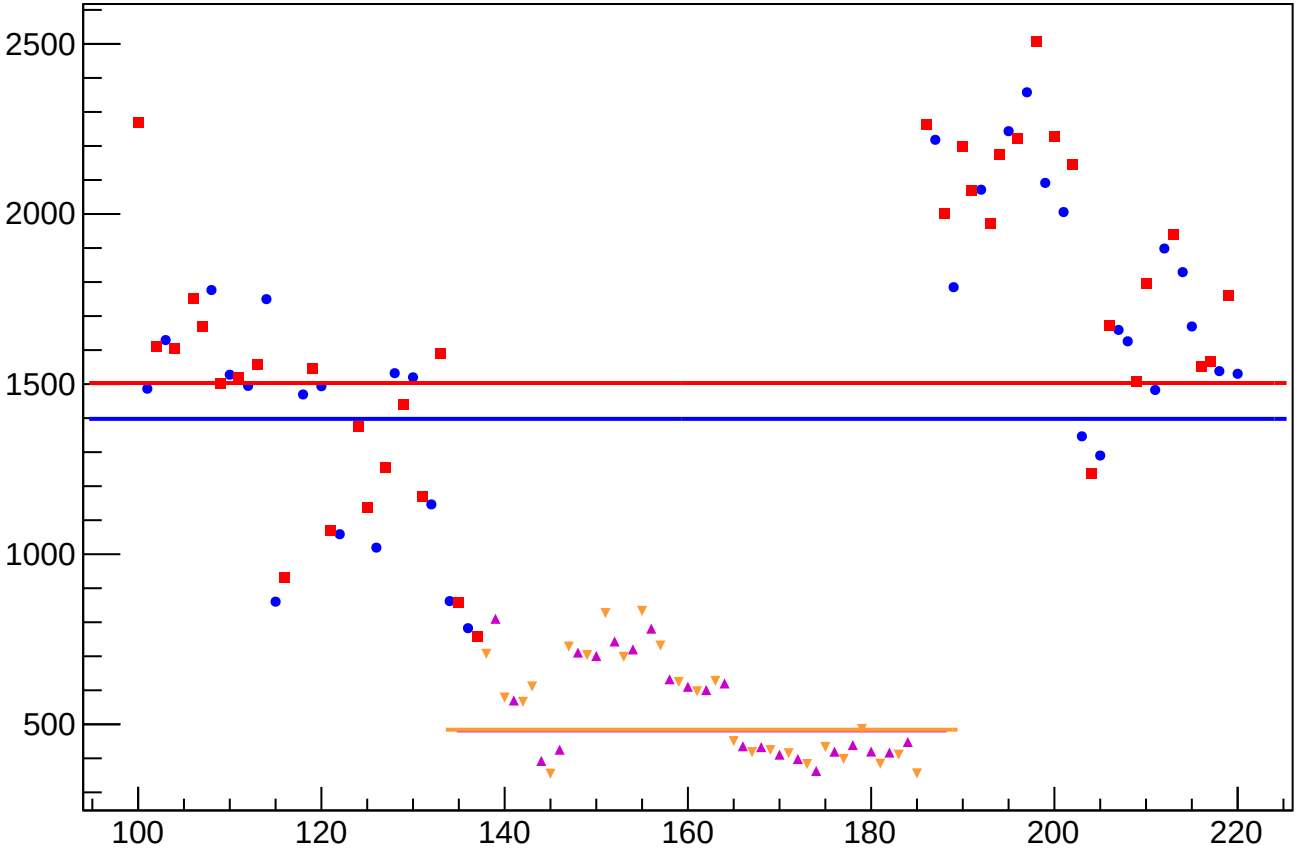
Right: 87.870+/-231.928 χ^2/NDF: 115.8/69

In: 177.777+/-109.602 χ^2/NDF:90.1/55

Out: 268.788+/-108.308 χ^2/NDF:122.8/61

All: 223.823+/-77.039 χ^2/NDF: 213.2/117

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1397.854+/-0.226 χ^2/NDF: 3377066.7/32

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1503.225+/-0.239 χ^2/NDF: 3153572.1/36

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

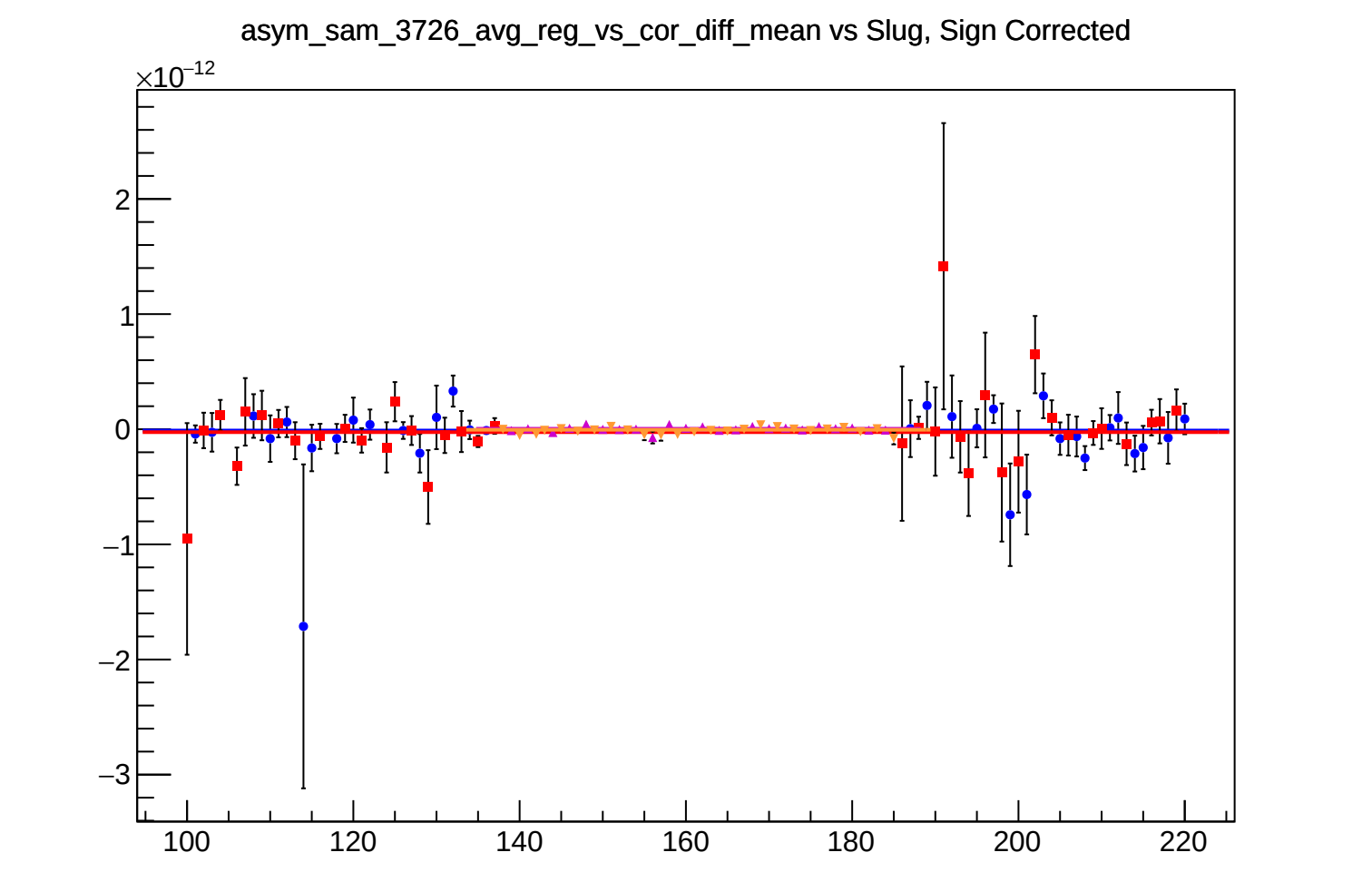
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1447.572+/-0.164 χ^2/NDF: 6633516.1/69

In: 590.166+/-0.078 χ^2/NDF:20087684.9/55

Out: 588.992+/-0.077 χ^2/NDF:22047266.7/61

All: 589.572+/-0.054 χ^2/NDF: 42135067.8/1



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/36

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

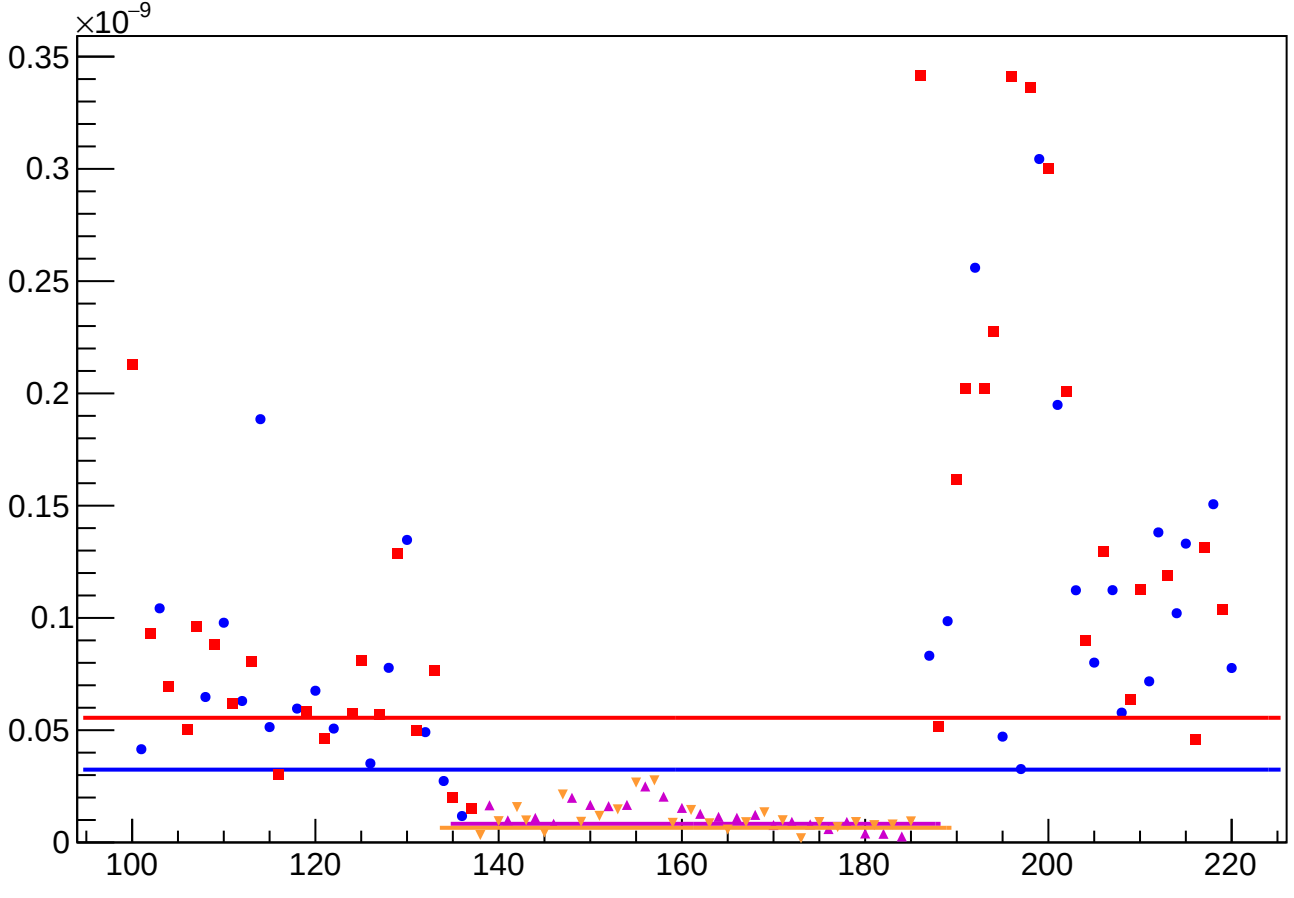
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 58.6/69

In: 0.000+/-0.000 χ^2/NDF:47.8/55

Out: -0.000+/-0.000 χ^2/NDF:58.3/61

All: -0.000+/-0.000 χ^2/NDF: 109.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 9344451.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7180253.9/36

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

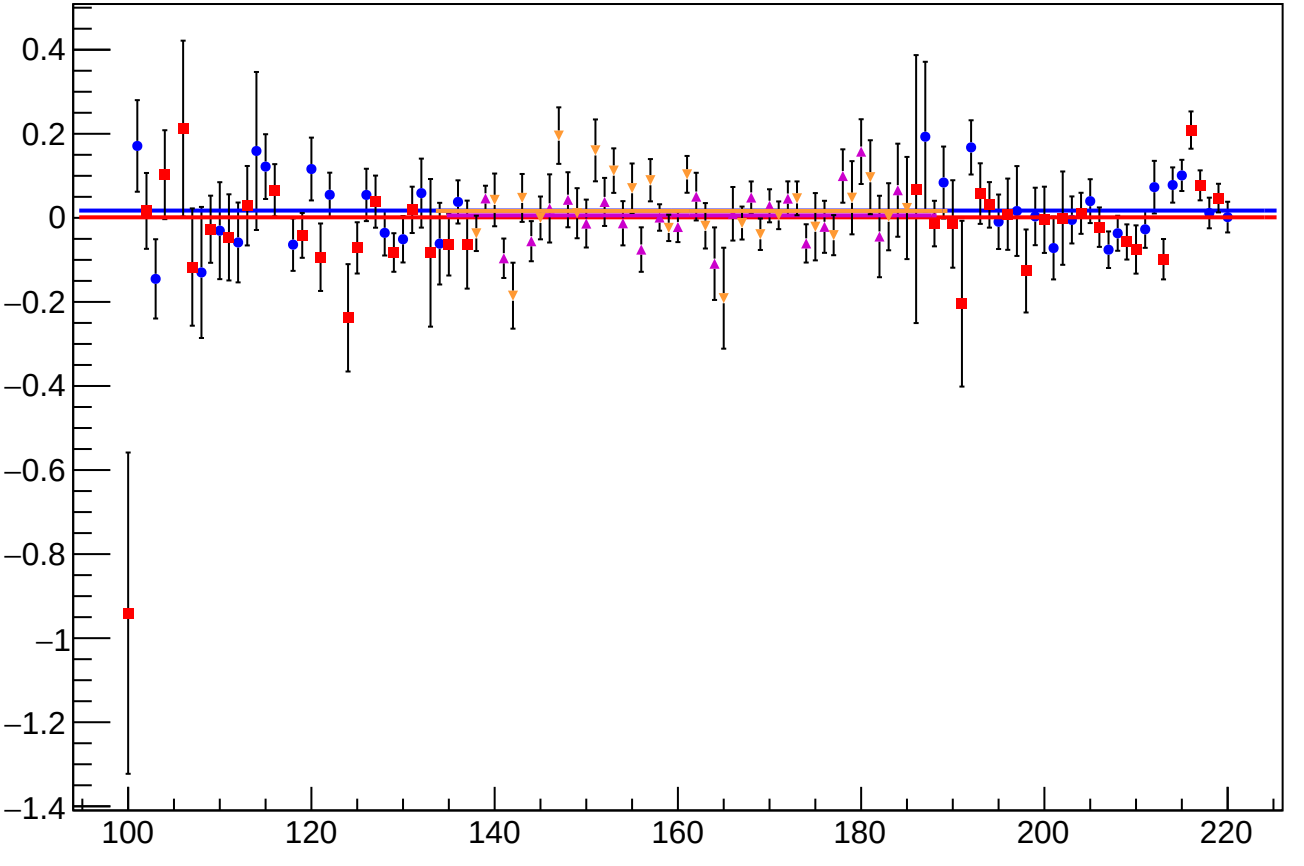
Right: 0.000+/-0.000 χ^2/NDF: 17885121.1/69

In: 0.000+/-0.000 χ^2/NDF:16488277.6/55

Out: 0.000+/-0.000 χ^2/NDF:19810196.0/61

All: 0.000+/-0.000 χ^2/NDF: 36693471.5/117

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.010 χ^2/NDF: 41.4/32

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

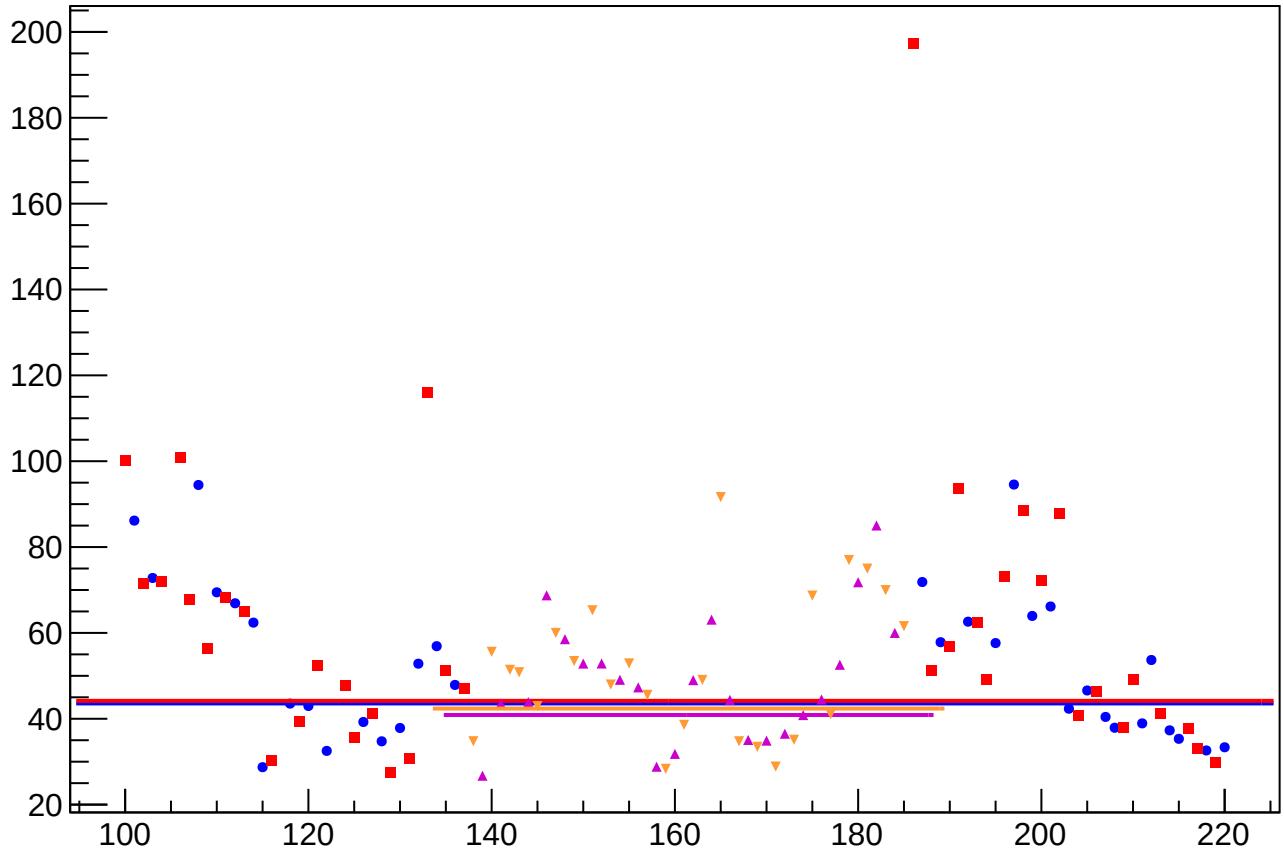
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.010+/-0.007 χ^2/NDF: 105.4/69

In: 0.012+/-0.007 χ^2/NDF:68.0/55

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.010+/-0.005 χ^2/NDF: 173.0/117



Right In: 43.569+/-0.007 χ^2/NDF: 3077041.5/32

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

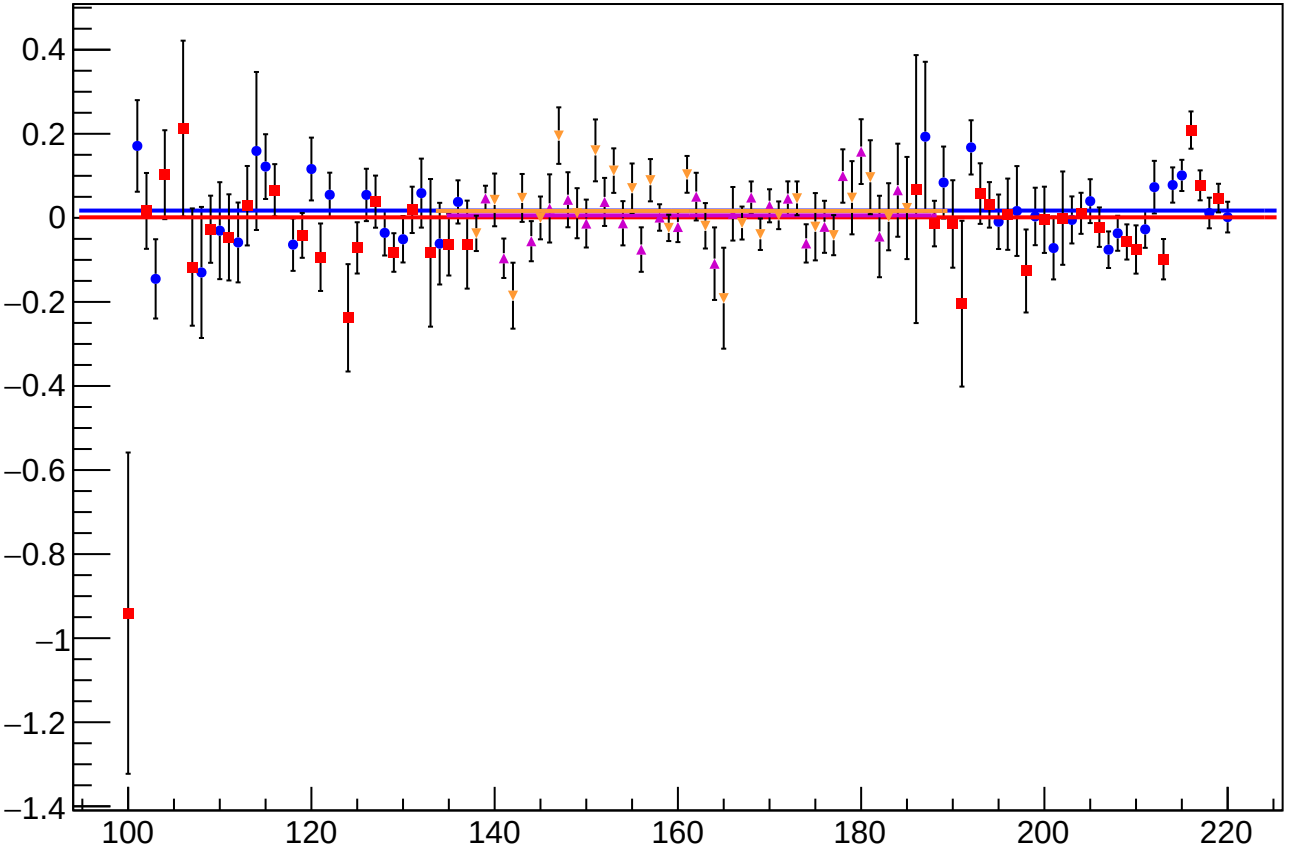
Right: 43.865+/-0.005 χ^2/NDF: 7484134.7/69

In: 42.226+/-0.005 χ^2/NDF:5823774.8/55

Out: 43.257+/-0.005 χ^2/NDF:7624349.2/61

All: 42.732+/-0.004 χ^2/NDF: 13467901.2/117

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.010 χ^2/NDF: 41.4/32

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

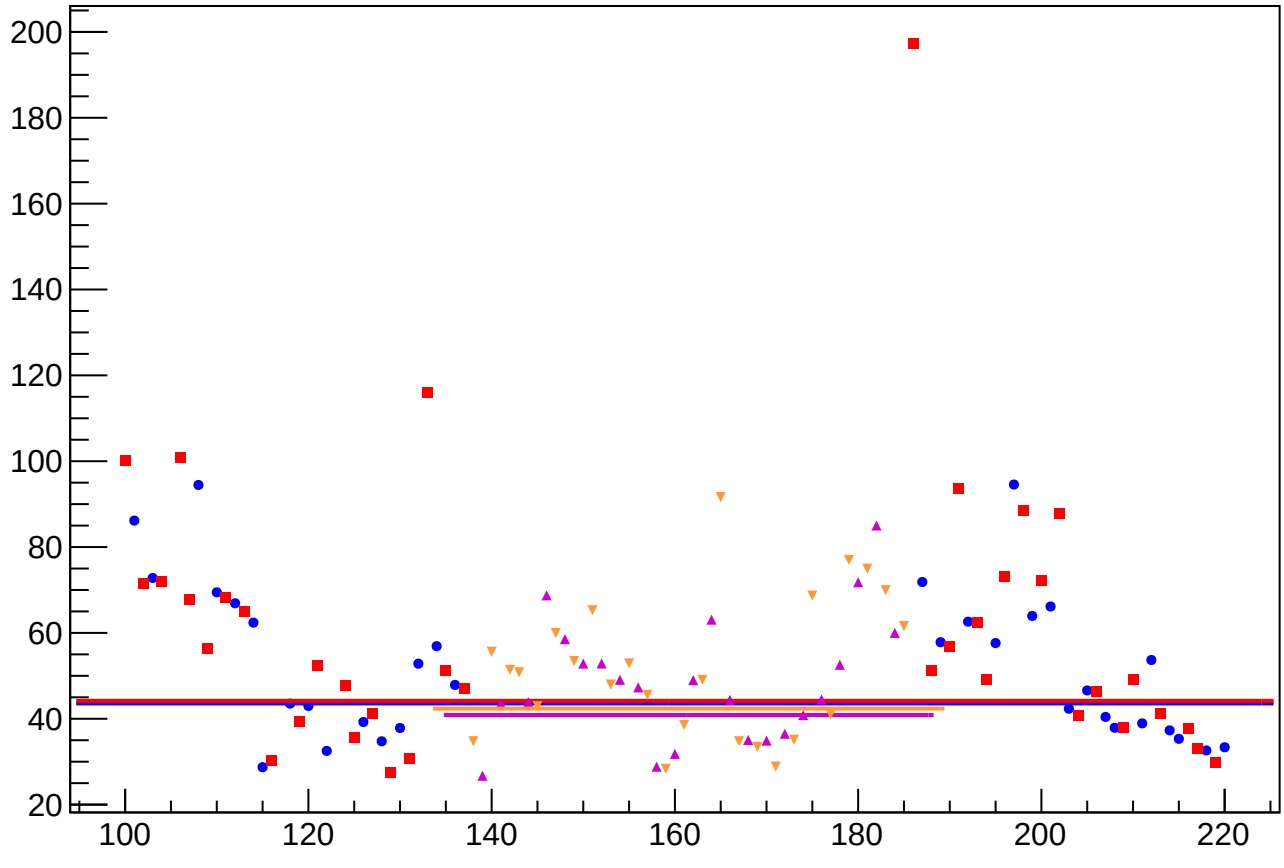
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.010+/-0.007 χ^2/NDF: 105.4/69

In: 0.012+/-0.007 χ^2/NDF:68.0/55

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.010+/-0.005 χ^2/NDF: 173.0/117



Right In: 43.569+/-0.007 χ^2/NDF: 3077041.5/32

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

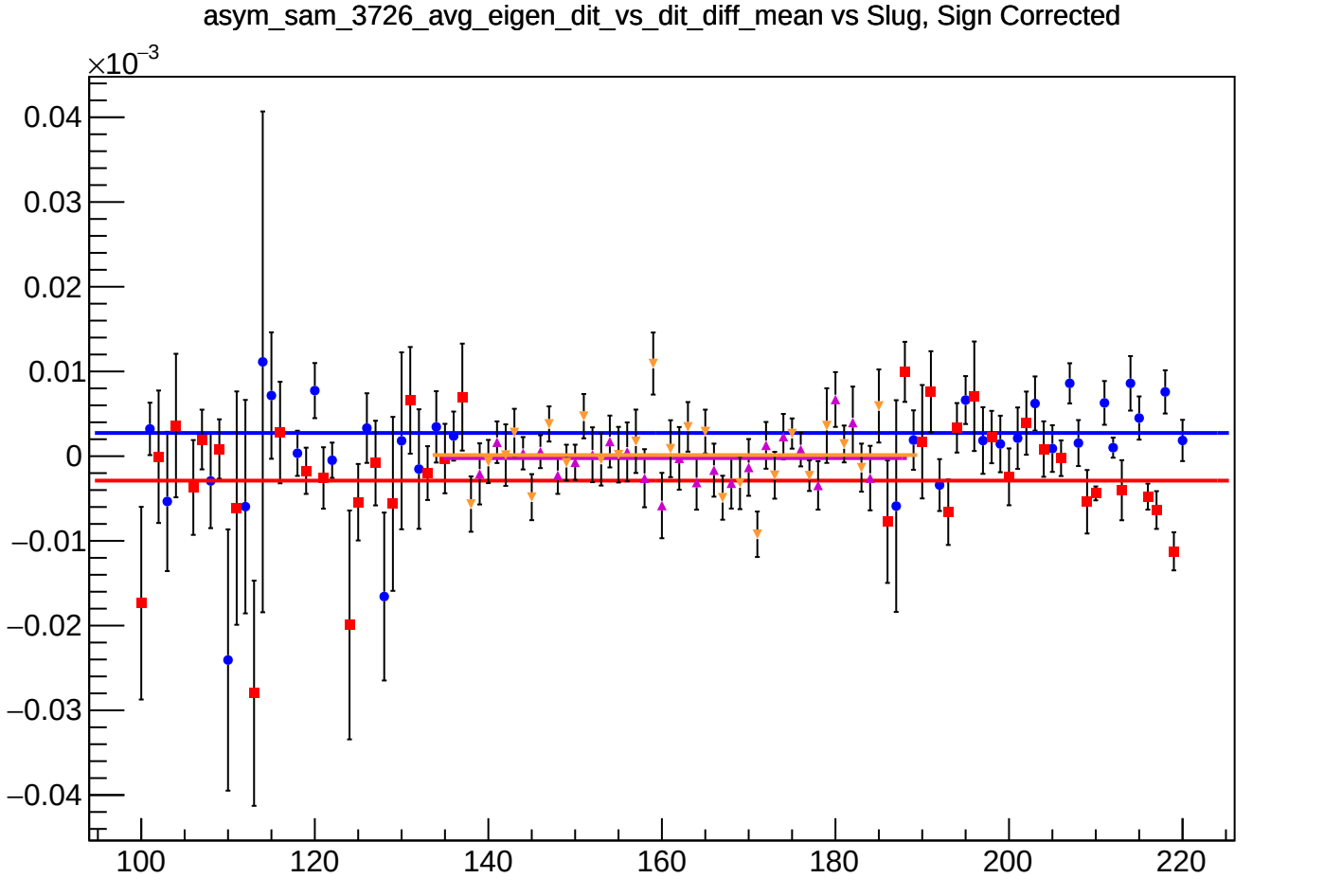
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 43.865+/-0.005 χ^2/NDF: 7484134.7/69

In: 42.226+/-0.005 χ^2/NDF:5823774.8/55

Out: 43.257+/-0.005 χ^2/NDF:7624349.2/61

All: 42.732+/-0.004 χ^2/NDF: 13467901.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 41.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 74.8/36

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

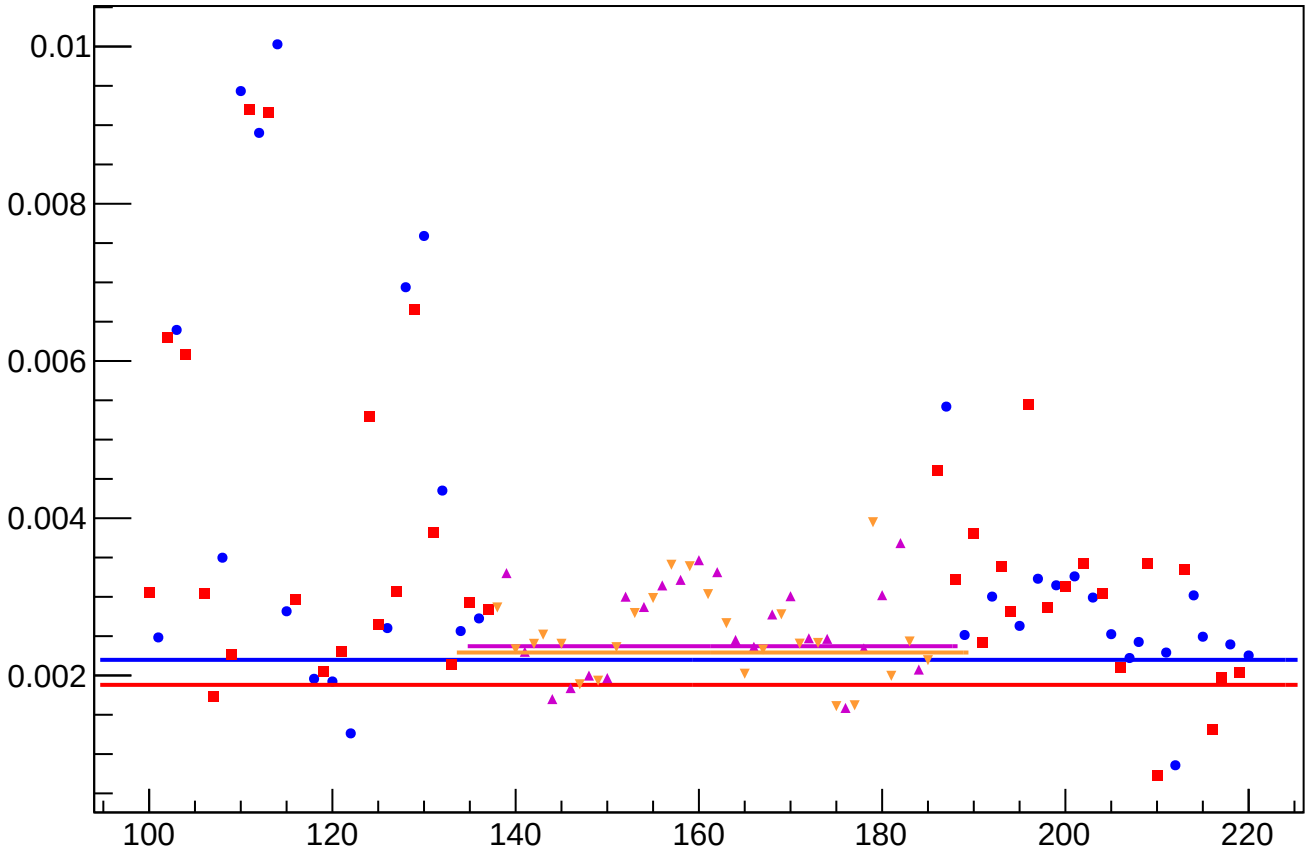
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: -0.000+/-0.000 χ^2/NDF: 176.6/69

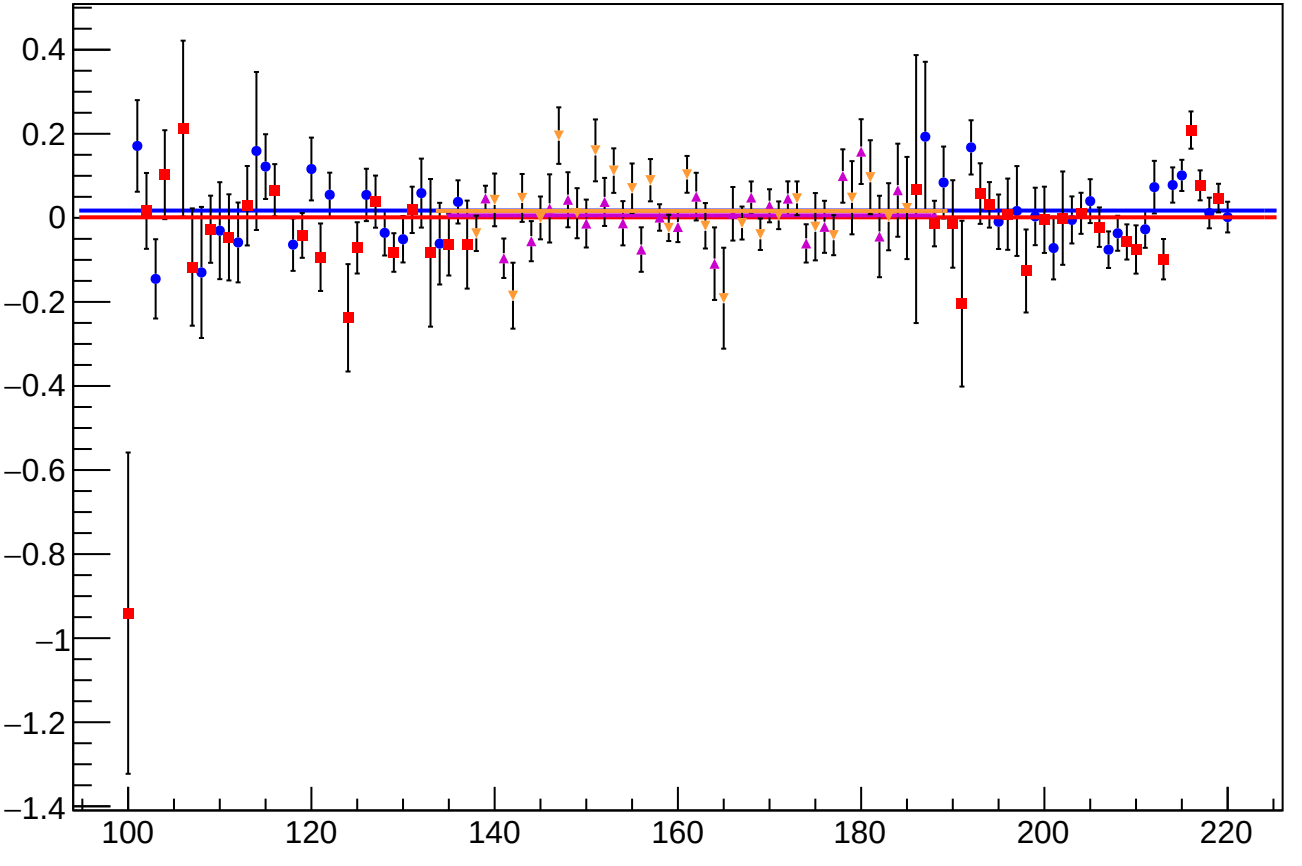
In: 0.000+/-0.000 χ^2/NDF:71.9/55

Out: -0.000+/-0.000 χ^2/NDF:142.0/61

All: -0.000+/-0.000 χ^2/NDF: 243.0/117


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 7215250.8/32
Left Out: 0.002+/-0.000 χ²/NDF:1818891.6/24
Right Out: 0.002+/-0.000 χ²/NDF: 11554085.0/36
Left In: 0.002+/-0.000 χ²/NDF:2020314.6/22
Left: 0.002+/-0.000 χ²/NDF: 3859926.5/47
Right: 0.002+/-0.000 χ²/NDF: 19153183.1/69
In: 0.002+/-0.000 χ²/NDF:9332082.6/55
Out: 0.002+/-0.000 χ²/NDF:14017006.8/61
All: 0.002+/-0.000 χ²/NDF: 23667276.3/117

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.010 χ^2/NDF: 41.4/32

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

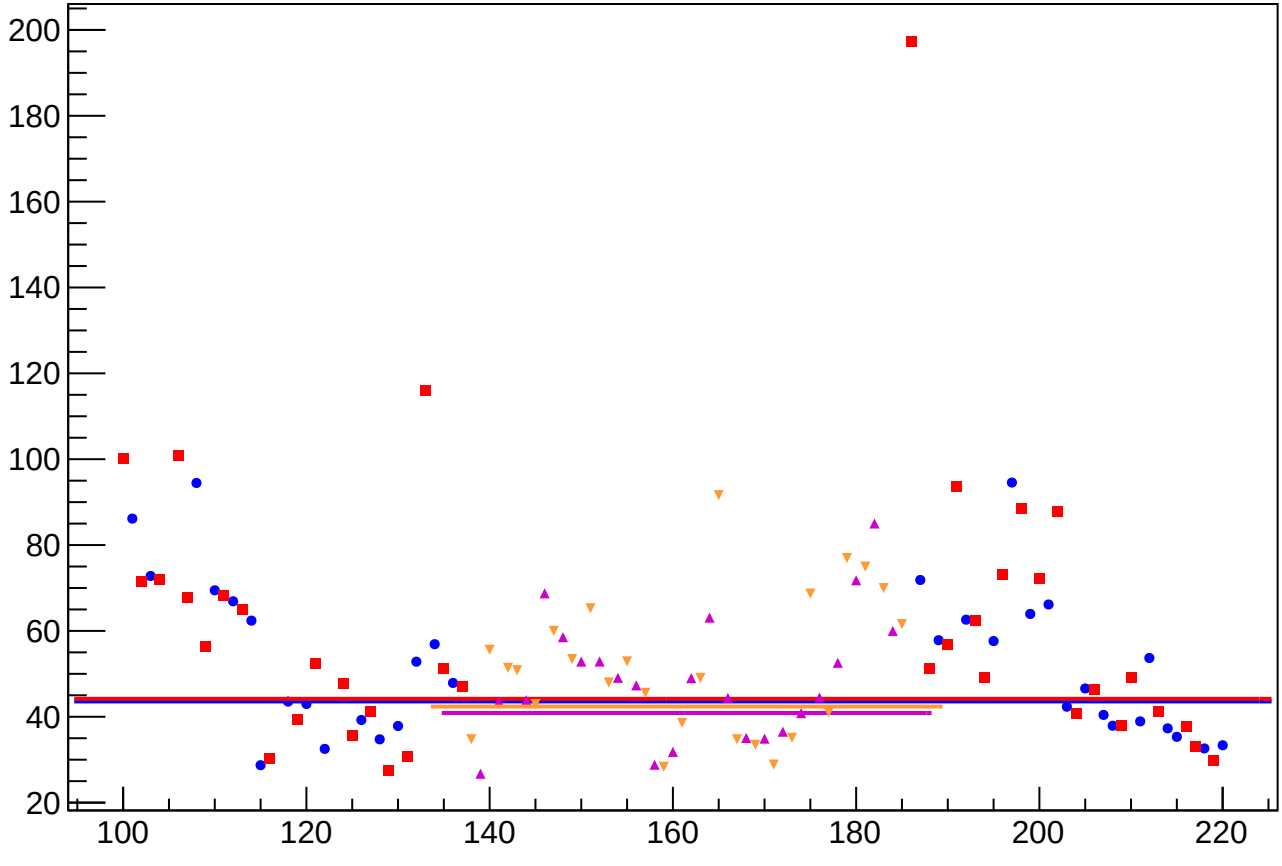
Right: 0.010+/-0.007 χ^2/NDF: 105.4/69

In: 0.012+/-0.007 χ^2/NDF:68.0/55

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.010+/-0.005 χ^2/NDF: 173.0/117

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.570+/-0.007 χ^2/NDF: 3076971.7/32

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

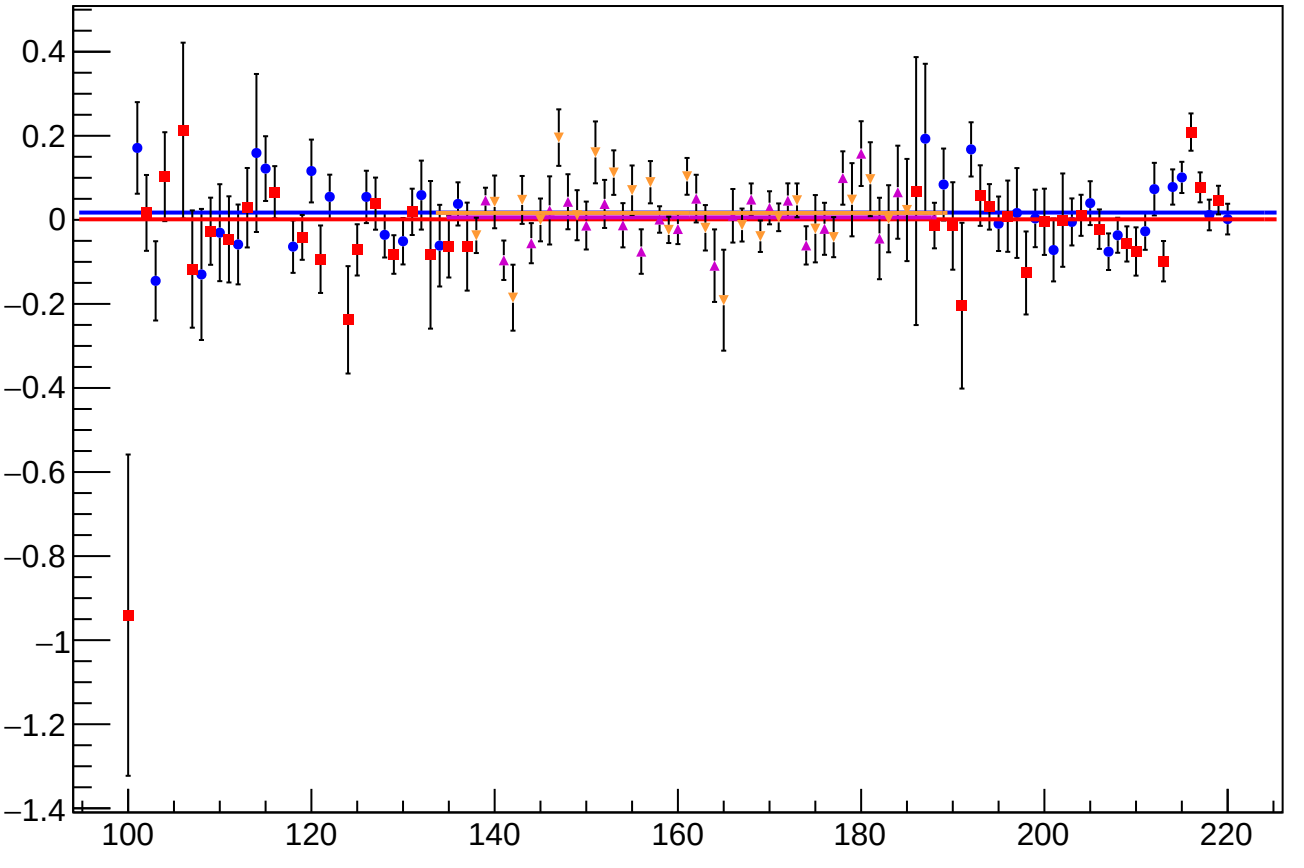
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 43.865+/-0.005 χ^2/NDF: 7484014.4/69

In: 42.226+/-0.005 χ^2/NDF:5823707.9/55

Out: 43.257+/-0.005 χ^2/NDF:7624316.6/61

All: 42.733+/-0.004 χ^2/NDF: 13467798.8/117



Right In: 0.017+/-0.010 χ^2/NDF: 41.4/32

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

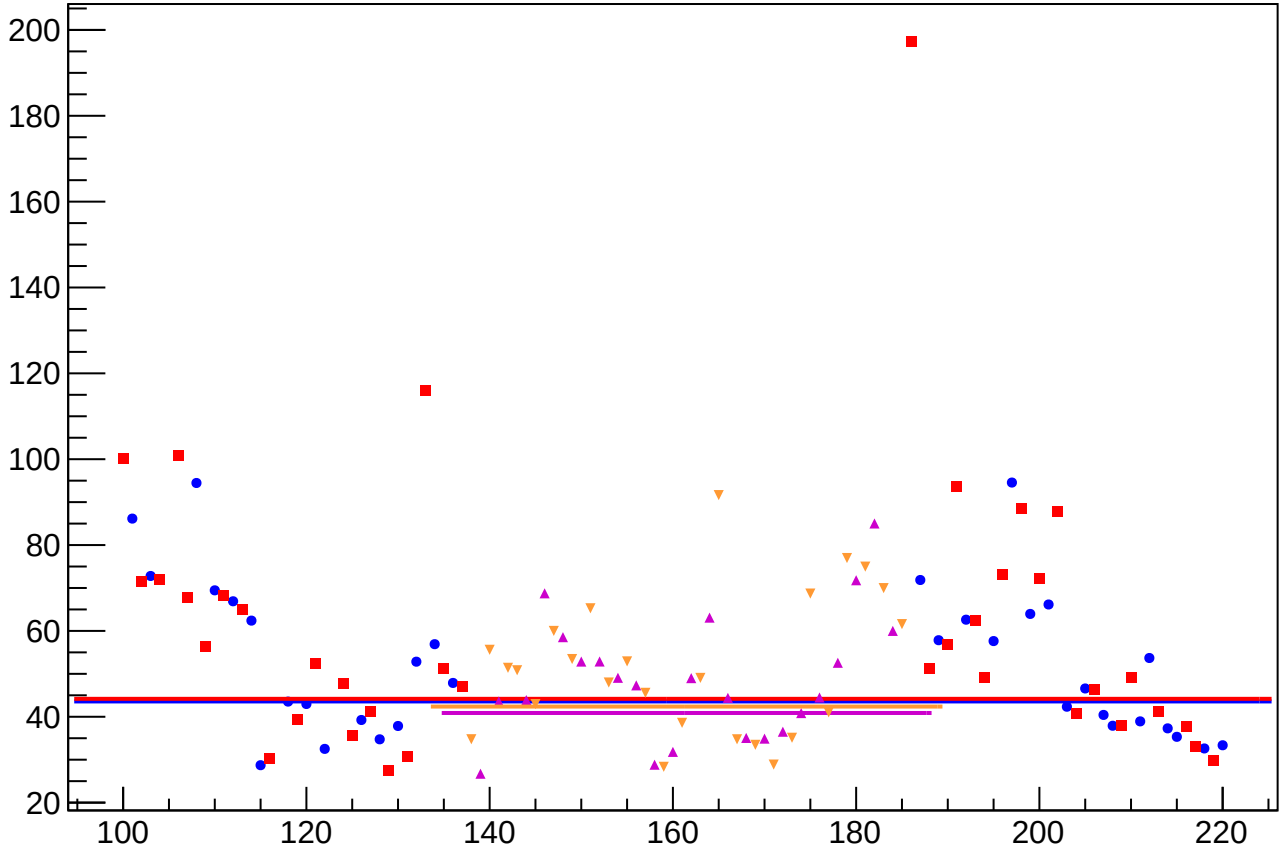
Right: 0.010+/-0.007 χ^2/NDF: 105.4/69

In: 0.012+/-0.007 χ^2/NDF:68.0/55

Out: 0.009+/-0.007 χ^2/NDF:105.0/61

All: 0.010+/-0.005 χ^2/NDF: 173.0/117

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.570+/-0.007 χ^2/NDF: 3076971.7/32

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

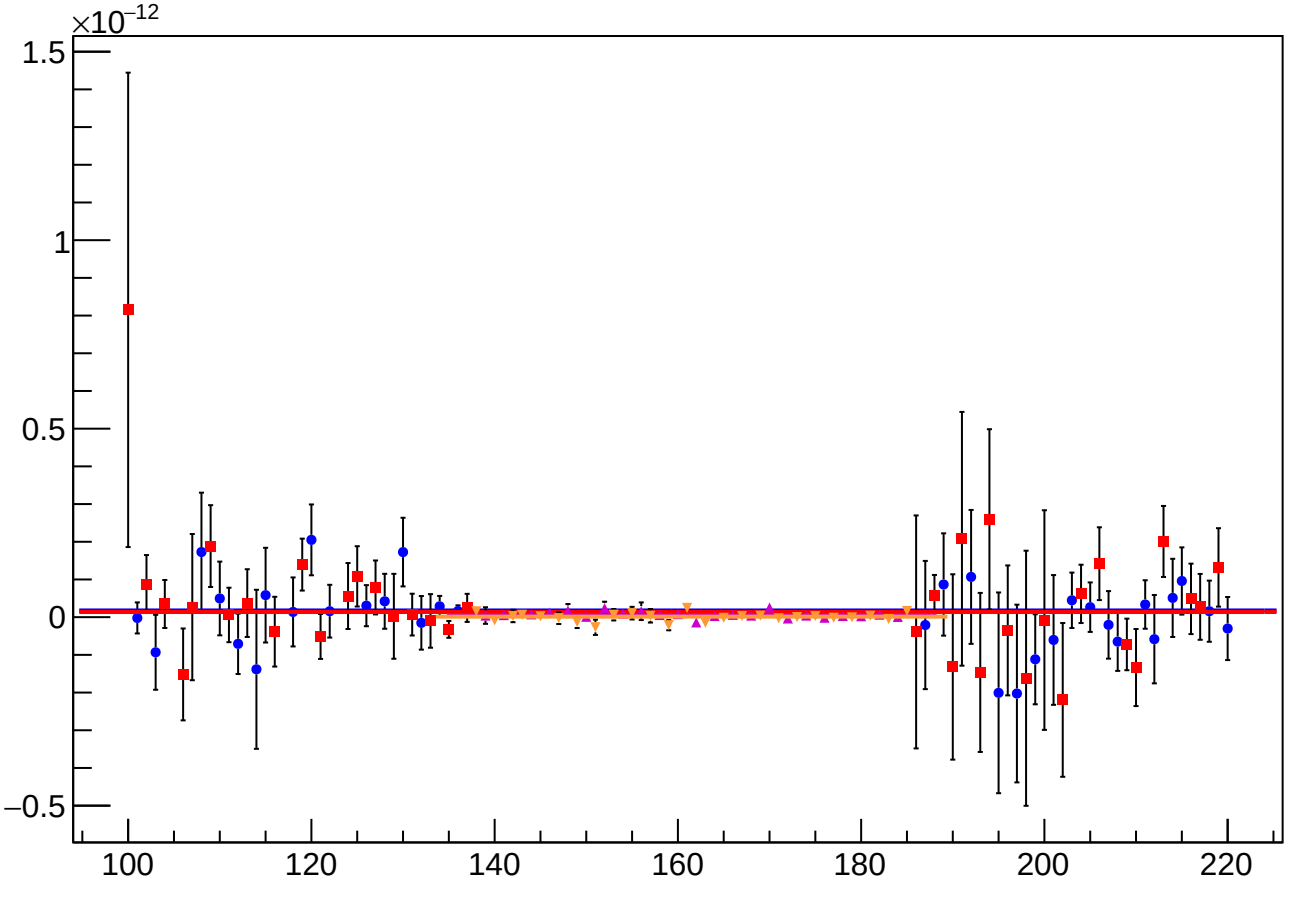
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 43.865+/-0.005 χ^2/NDF: 7484014.4/69

In: 42.226+/-0.005 χ^2/NDF:5823707.9/55

Out: 43.257+/-0.005 χ^2/NDF:7624316.6/61

All: 42.733+/-0.004 χ^2/NDF: 13467798.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/36

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

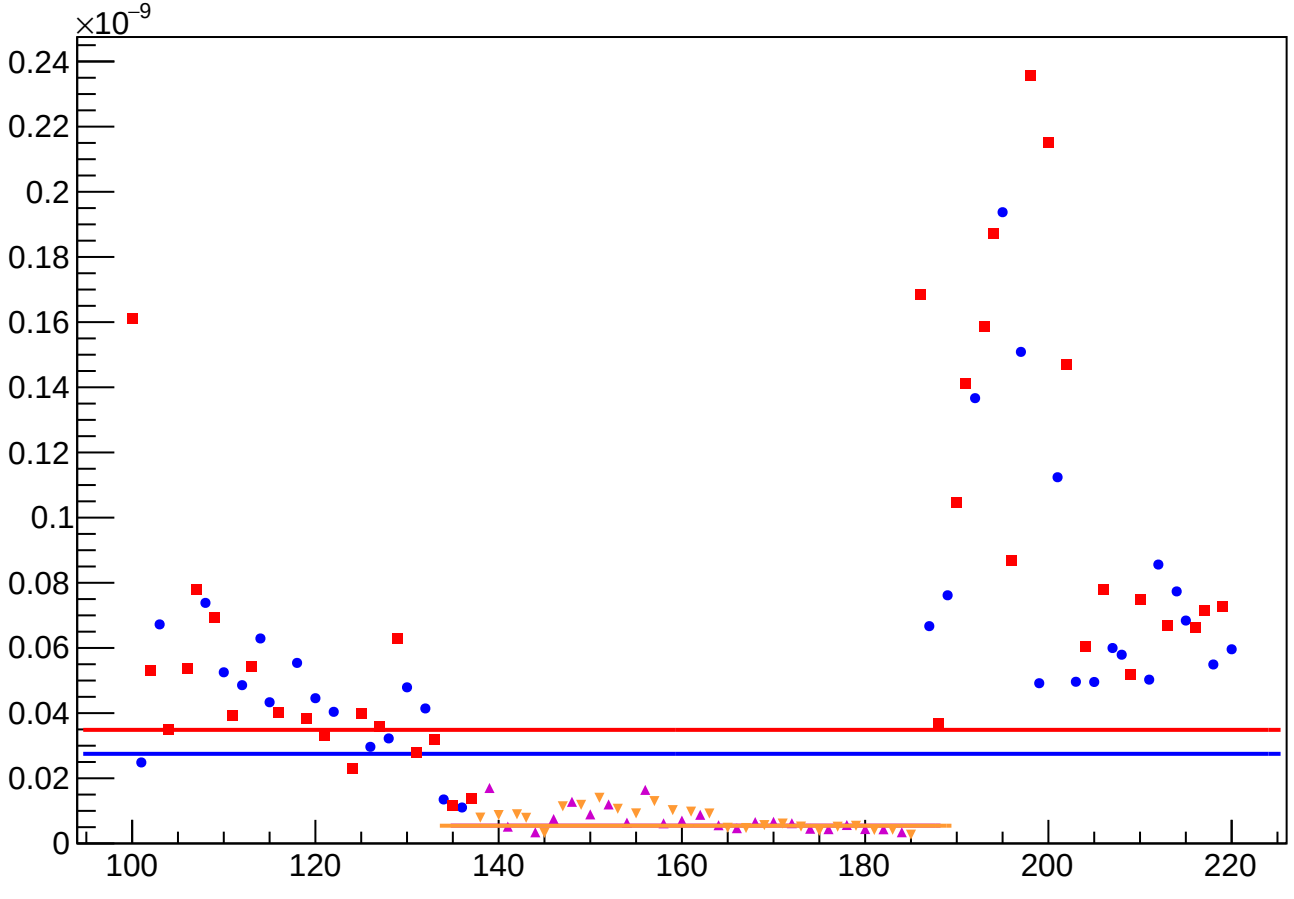
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 53.4/69

In: 0.000+/-0.000 χ^2/NDF:33.2/55

Out: 0.000+/-0.000 χ^2/NDF:55.5/61

All: 0.000+/-0.000 χ^2/NDF: 91.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 10356328.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10251397.7/36

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

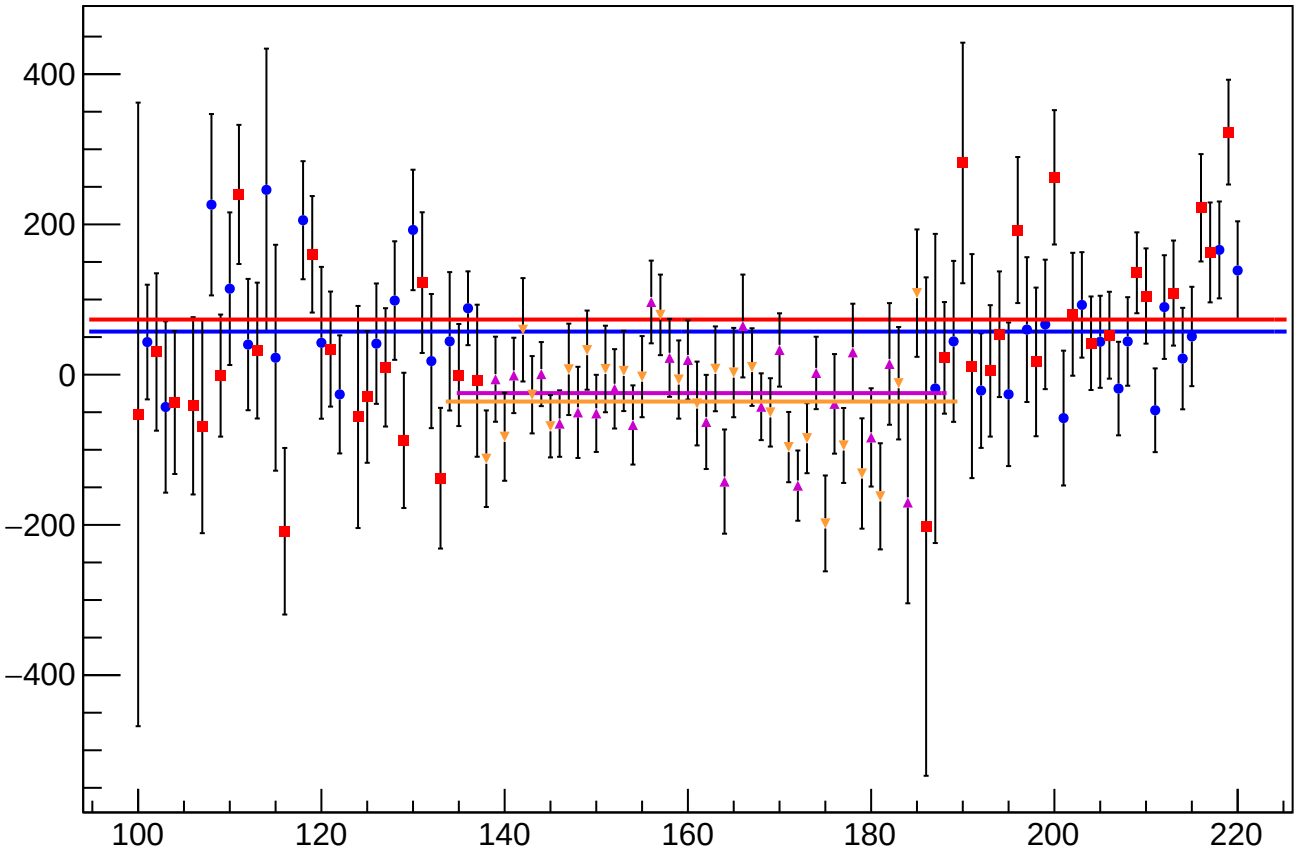
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 21043744.6/69

In: 0.000+/-0.000 χ^2/NDF:22374438.3/55

Out: 0.000+/-0.000 χ^2/NDF:25647909.7/61

All: 0.000+/-0.000 χ^2/NDF: 48026462.3/117



Right In: 57.340+/-13.613 χ^2/NDF: 26.6/32

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 73.359+/-13.930 χ^2/NDF: 60.2/36

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

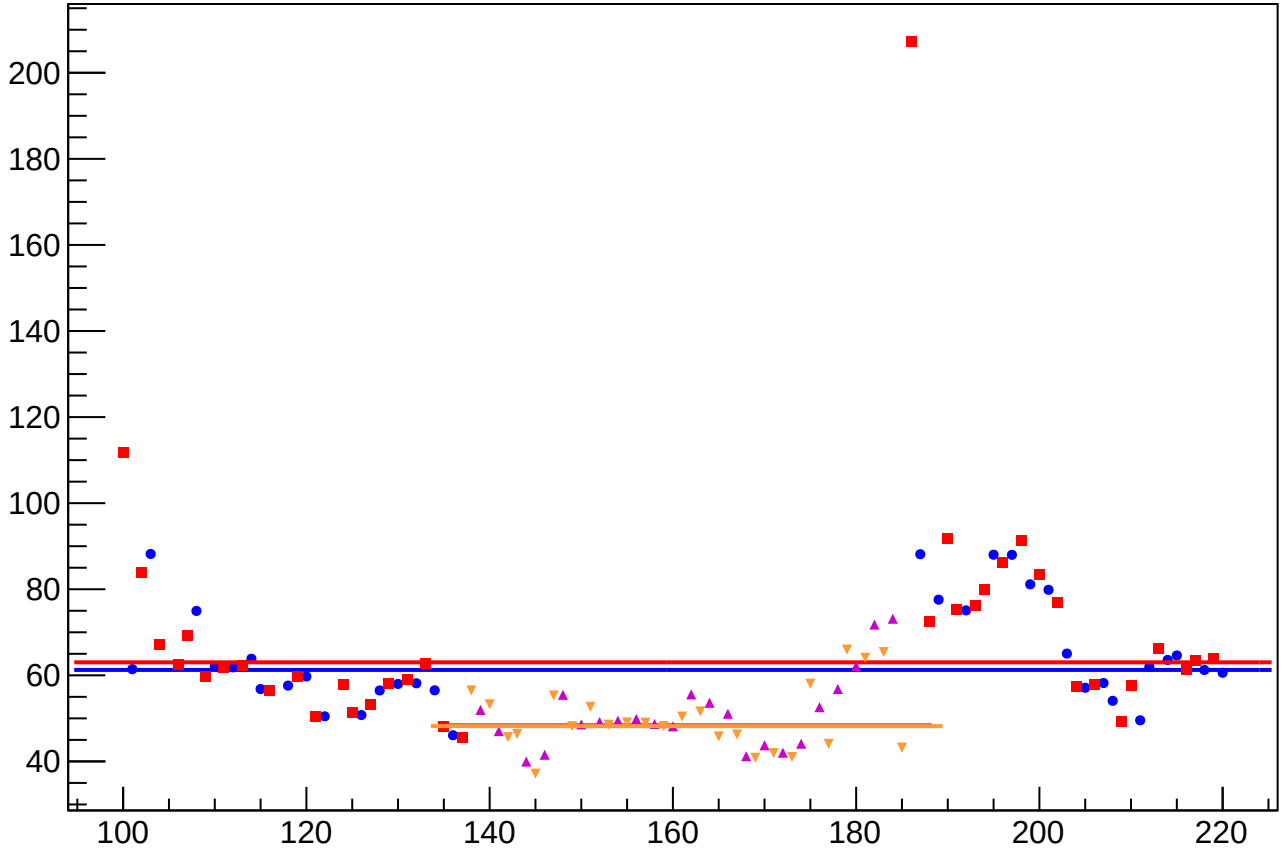
Right: 65.165+/-9.736 χ^2/NDF: 87.4/69

In: 9.439+/-8.772 χ^2/NDF:73.5/55

Out: 6.691+/-8.690 χ^2/NDF:131.4/61

All: 8.052+/-6.174 χ^2/NDF: 204.9/117

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.258+/-0.010 χ^2/NDF: 1221011.9/32

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.024+/-0.010 χ^2/NDF: 1654260.4/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

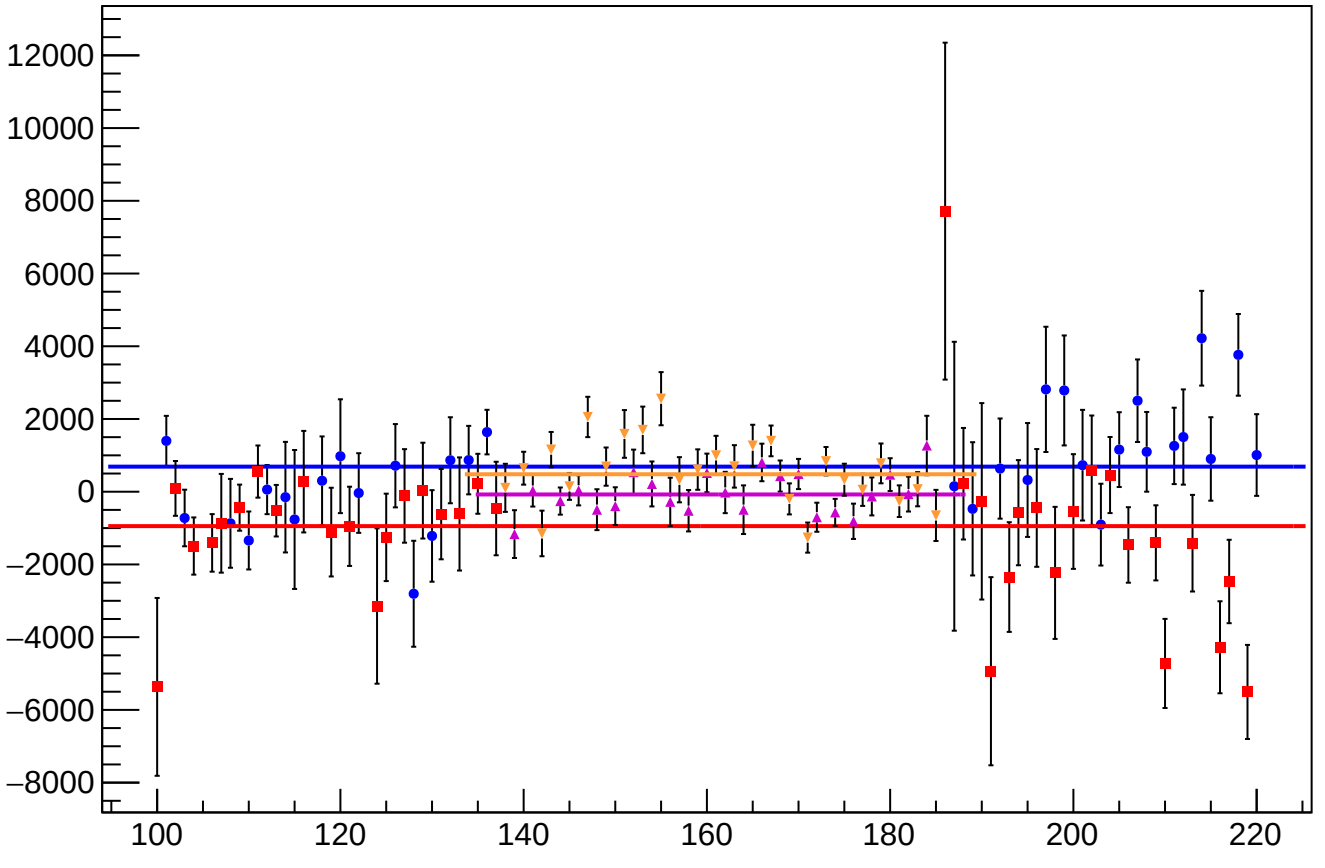
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.120+/-0.007 χ^2/NDF: 2891719.9/69

In: 53.727+/-0.006 χ^2/NDF:2962857.8/55

Out: 53.968+/-0.006 χ^2/NDF:3818253.5/61

All: 53.849+/-0.004 χ^2/NDF: 6781872.8/117



Right In: 689.597+/-190.851 χ^2/NDF: 49.8/32

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -946.209+/-187.108 χ^2/NDF: 58.6/36

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

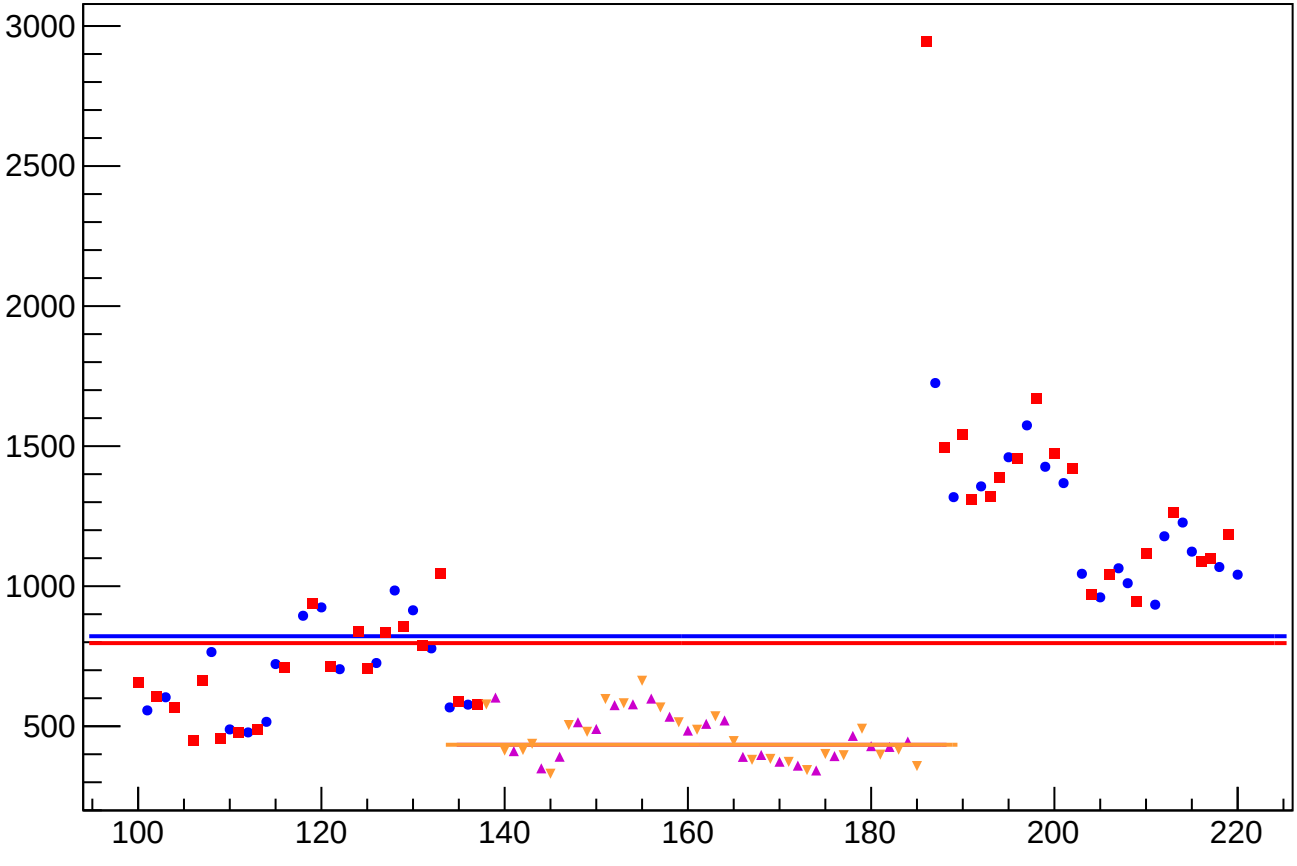
Right: -144.502+/-133.609 χ^2/NDF: 145.9/69

In: 97.286+/-90.729 χ^2/NDF:86.7/55

Out: 160.707+/-88.554 χ^2/NDF:173.0/61

All: 129.766+/-63.372 χ^2/NDF: 259.9/117

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 821.359+/-0.135 χ^2/NDF: 4752375.5/32

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 796.771+/-0.132 χ^2/NDF: 6537990.6/36

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

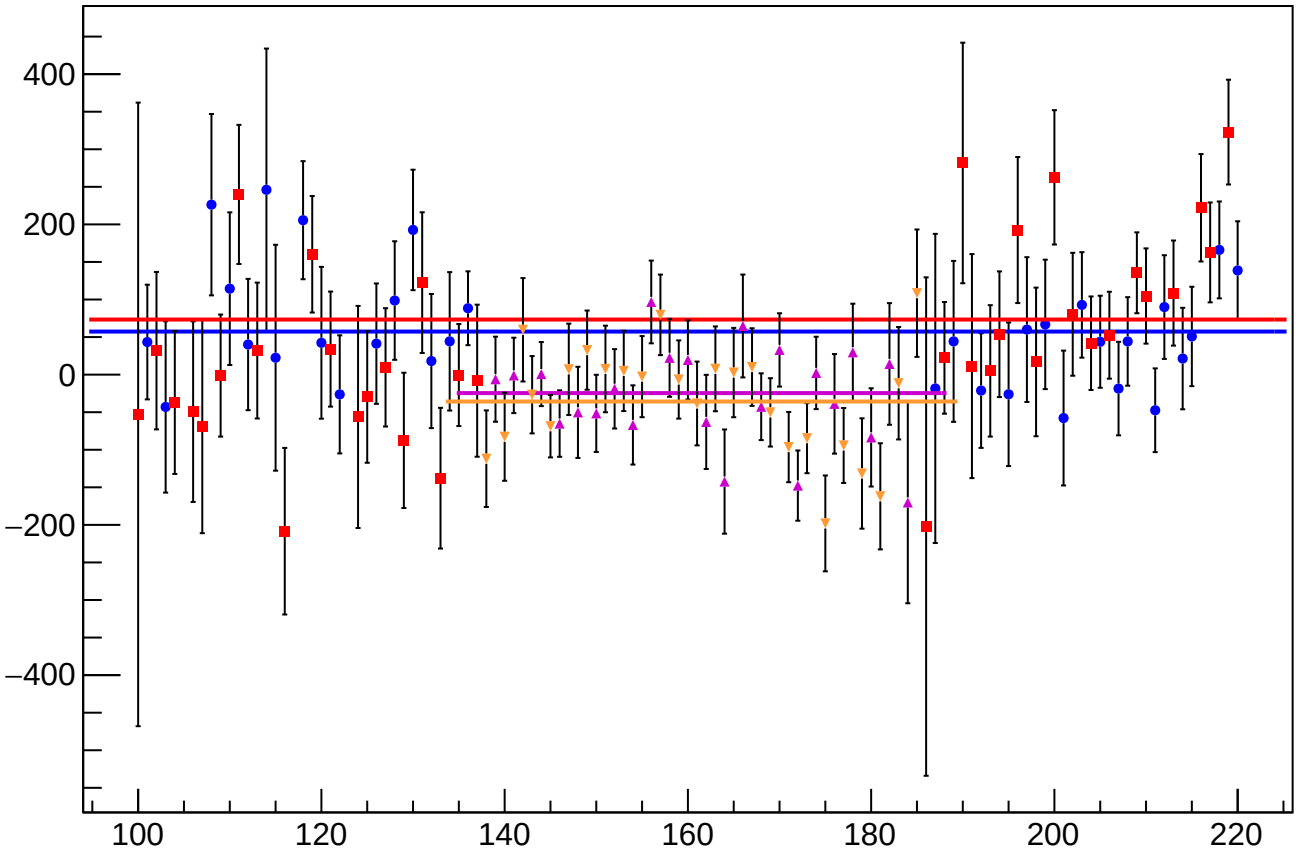
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 808.821+/-0.094 χ^2/NDF: 11307293.1/69

In: 521.328+/-0.064 χ^2/NDF:12233243.3/55

Out: 515.215+/-0.063 χ^2/NDF:13617571.0/61

All: 518.197+/-0.045 χ^2/NDF: 25855463.0/1



Right In: 57.343+/-13.613 χ^2/NDF: 26.6/32

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 73.343+/-13.934 χ^2/NDF: 60.3/36

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

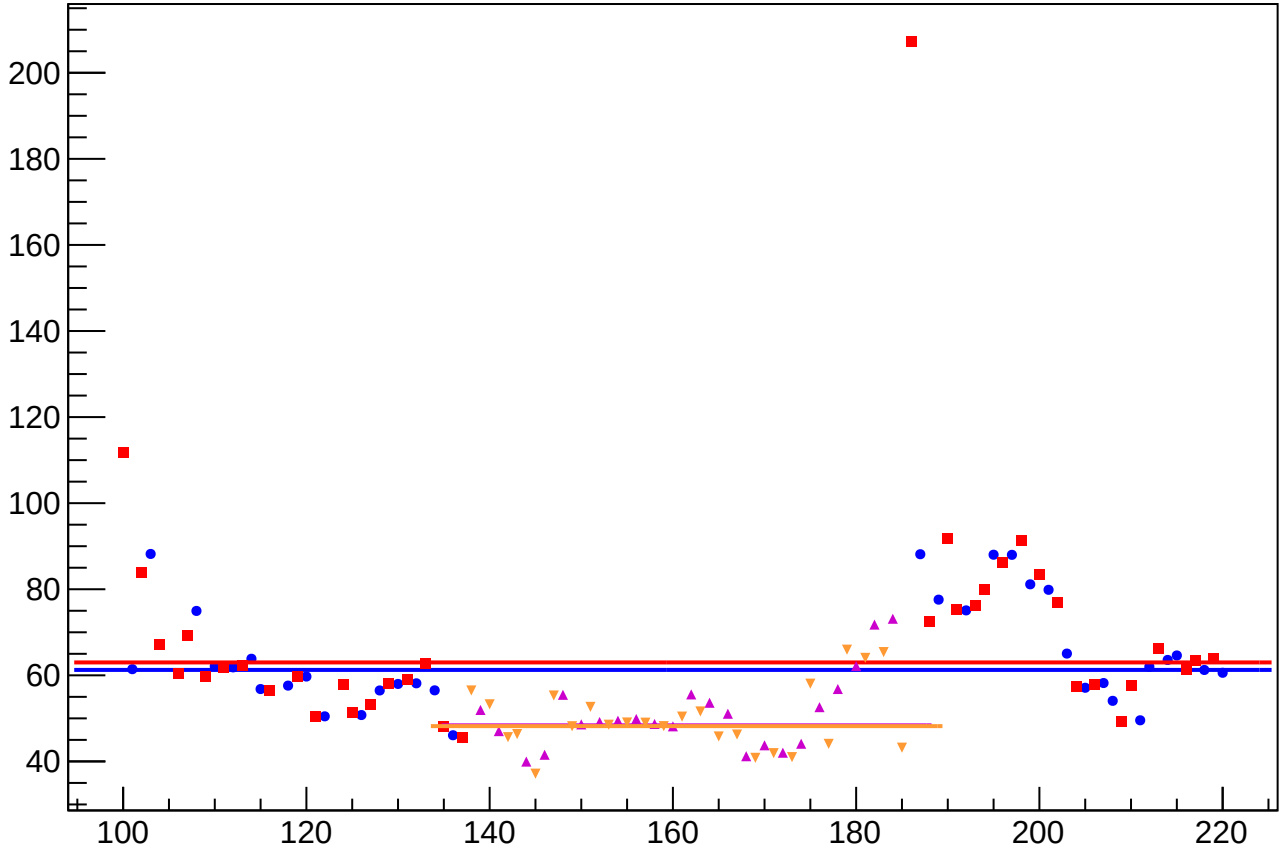
Right: 65.157+/-9.737 χ^2/NDF: 87.5/69

In: 9.440+/-8.772 χ^2/NDF:73.5/55

Out: 6.668+/-8.691 χ^2/NDF:131.4/61

All: 8.041+/-6.174 χ^2/NDF: 205.0/117

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.258+/-0.010 χ^2/NDF: 1221015.3/32

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

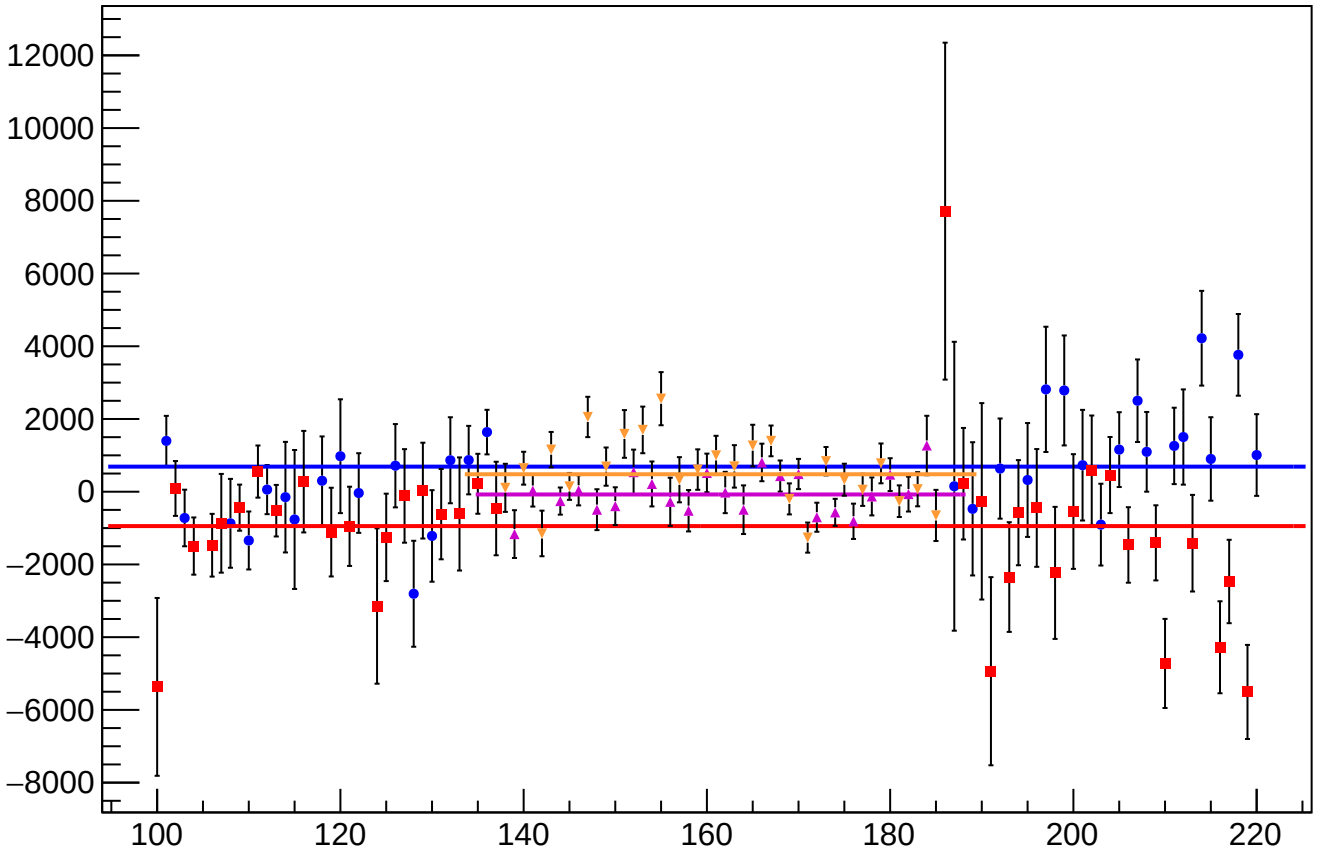
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.107+/-0.007 χ^2/NDF: 2892316.7/69

In: 53.727+/-0.006 χ^2/NDF:2962861.7/55

Out: 53.956+/-0.006 χ^2/NDF:3813906.2/61

All: 53.843+/-0.004 χ^2/NDF: 6777453.6/117



Right In: 689.624+/-190.852 χ^2/NDF: 49.8/32

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -945.335+/-187.949 χ^2/NDF: 58.7/36

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

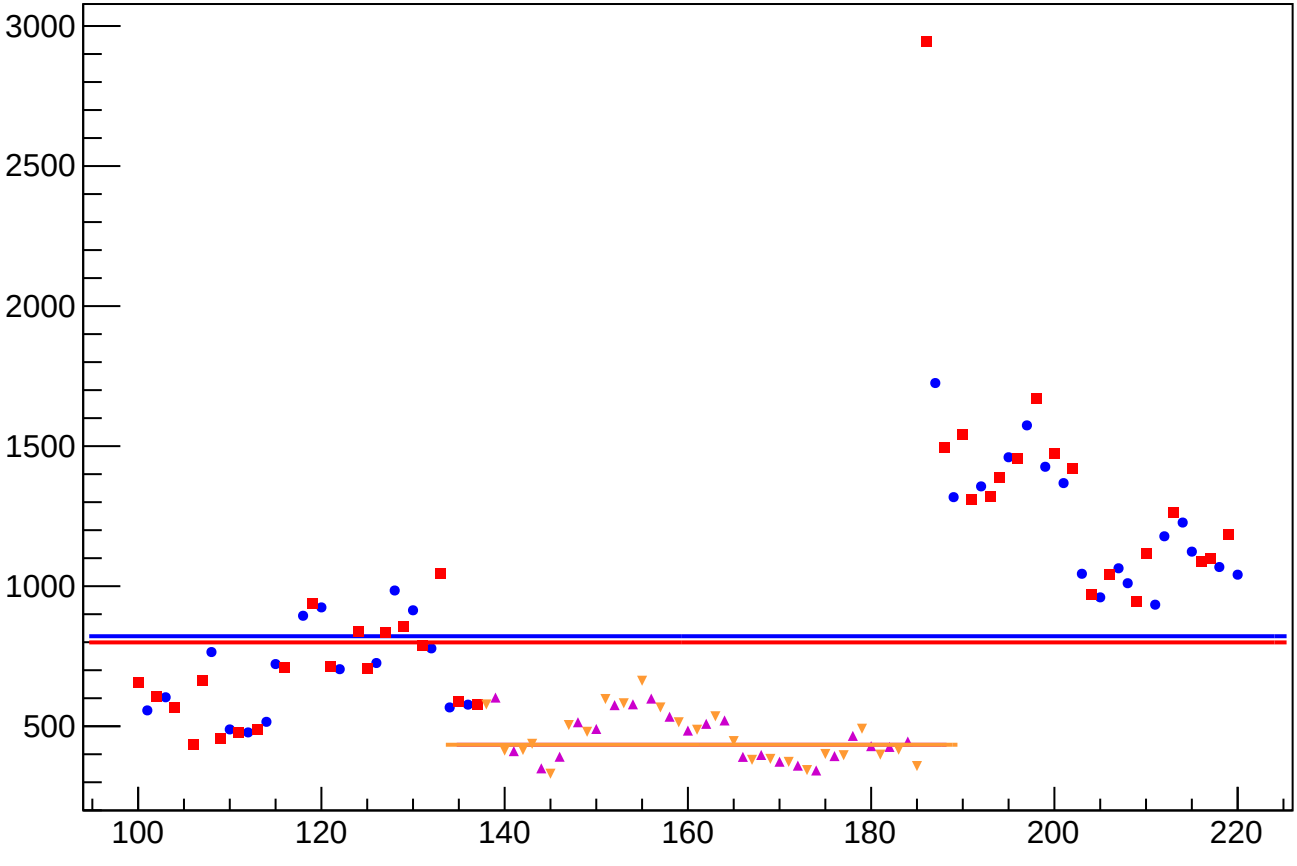
Right: -140.381+/-133.914 χ^2/NDF: 145.7/69

In: 97.289+/-90.730 χ^2/NDF:86.7/55

Out: 163.116+/-88.643 χ^2/NDF:172.6/61

All: 130.968+/-63.405 χ^2/NDF: 259.5/117

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 821.364+/-0.135 χ^2/NDF: 4752286.7/32

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 799.299+/-0.133 χ^2/NDF: 6500563.3/36

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

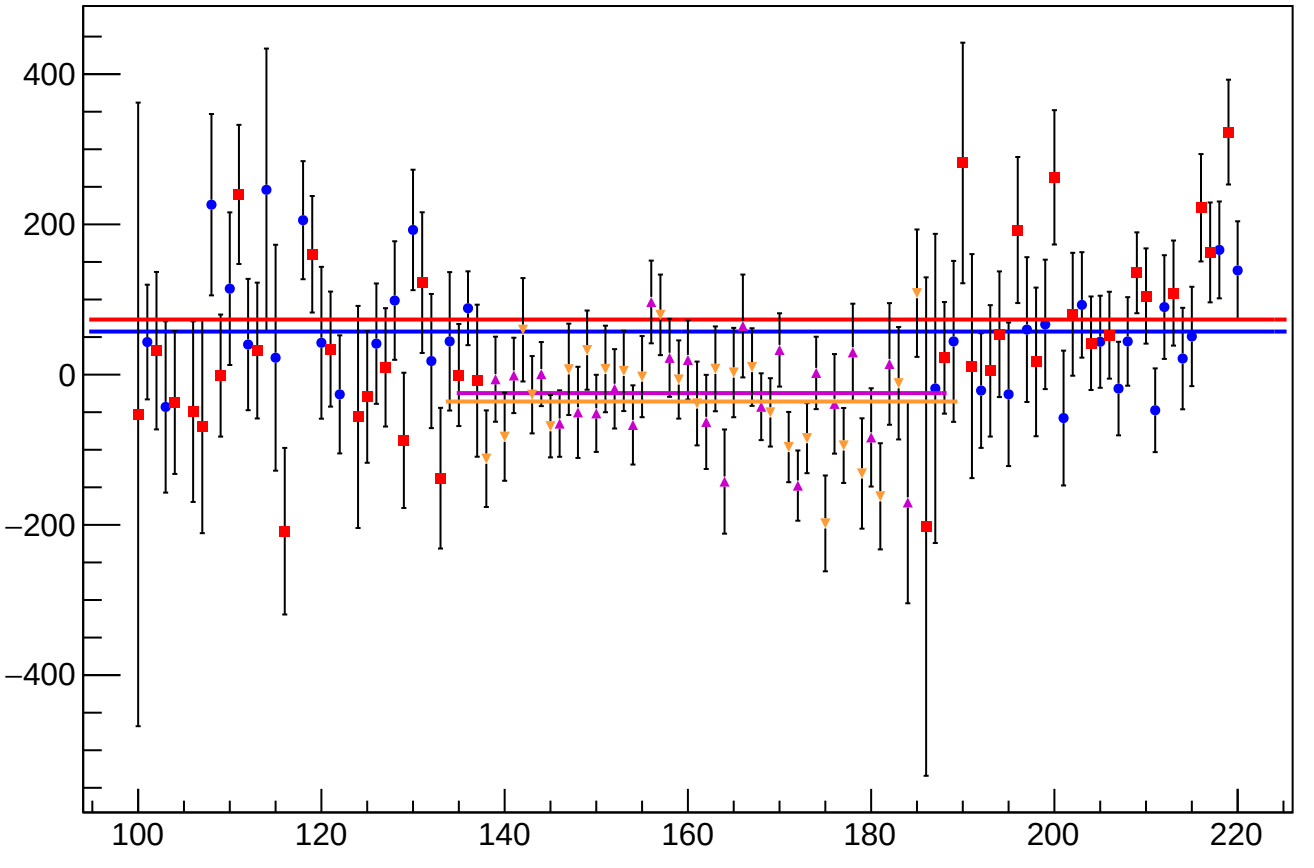
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 810.162+/-0.095 χ^2/NDF: 11266420.3/69

In: 521.328+/-0.064 χ^2/NDF:12233259.6/55

Out: 515.214+/-0.063 χ^2/NDF:13620683.1/61

All: 518.200+/-0.045 χ^2/NDF: 25858590.6/1



Right In: 57.343+/-13.613 χ^2/NDF: 26.6/32

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 73.343+/-13.934 χ^2/NDF: 60.3/36

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

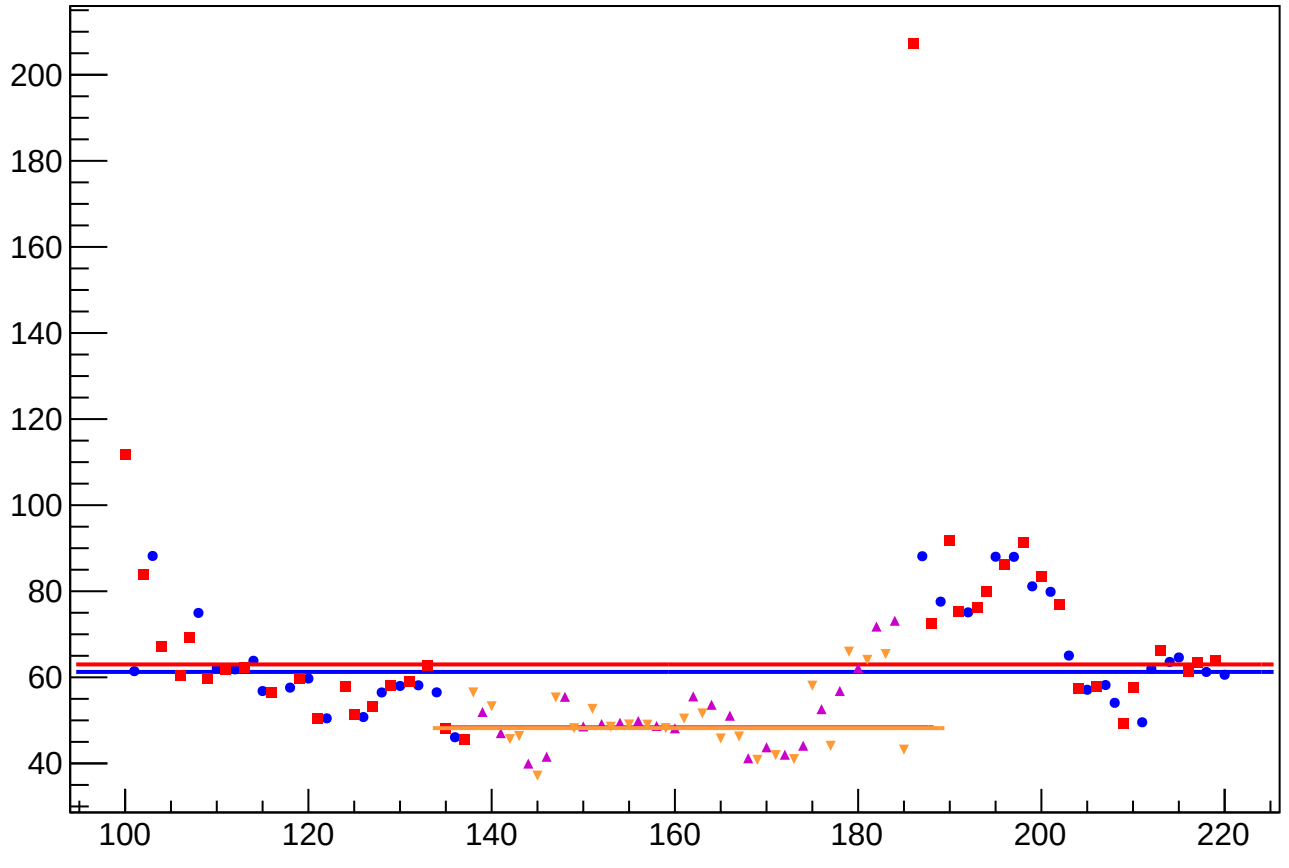
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 65.157+/-9.737 χ^2/NDF: 87.5/69

In: 9.440+/-8.772 χ^2/NDF:73.5/55

Out: 6.668+/-8.691 χ^2/NDF:131.4/61

All: 8.041+/-6.174 χ^2/NDF: 205.0/117



Right In: 61.258+/-0.010 χ^2/NDF: 1221015.3/32

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

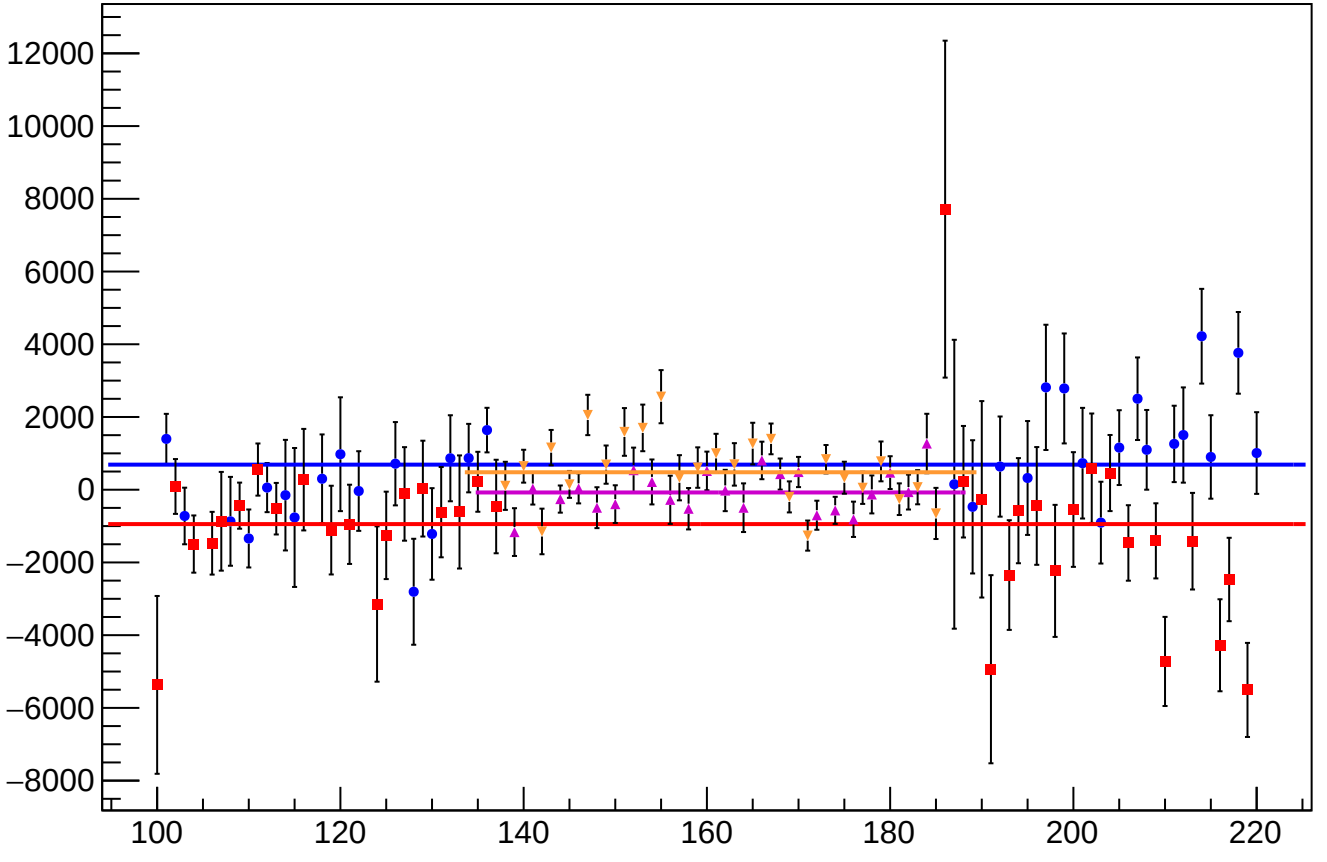
Right: 62.107+/-0.007 χ^2/NDF: 2892316.7/69

In: 53.727+/-0.006 χ^2/NDF:2962861.7/55

Out: 53.956+/-0.006 χ^2/NDF:3813906.2/61

All: 53.843+/-0.004 χ^2/NDF: 6777453.6/117

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 689.624+/-190.852 χ^2/NDF: 49.8/32

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -945.335+/-187.949 χ^2/NDF: 58.7/36

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

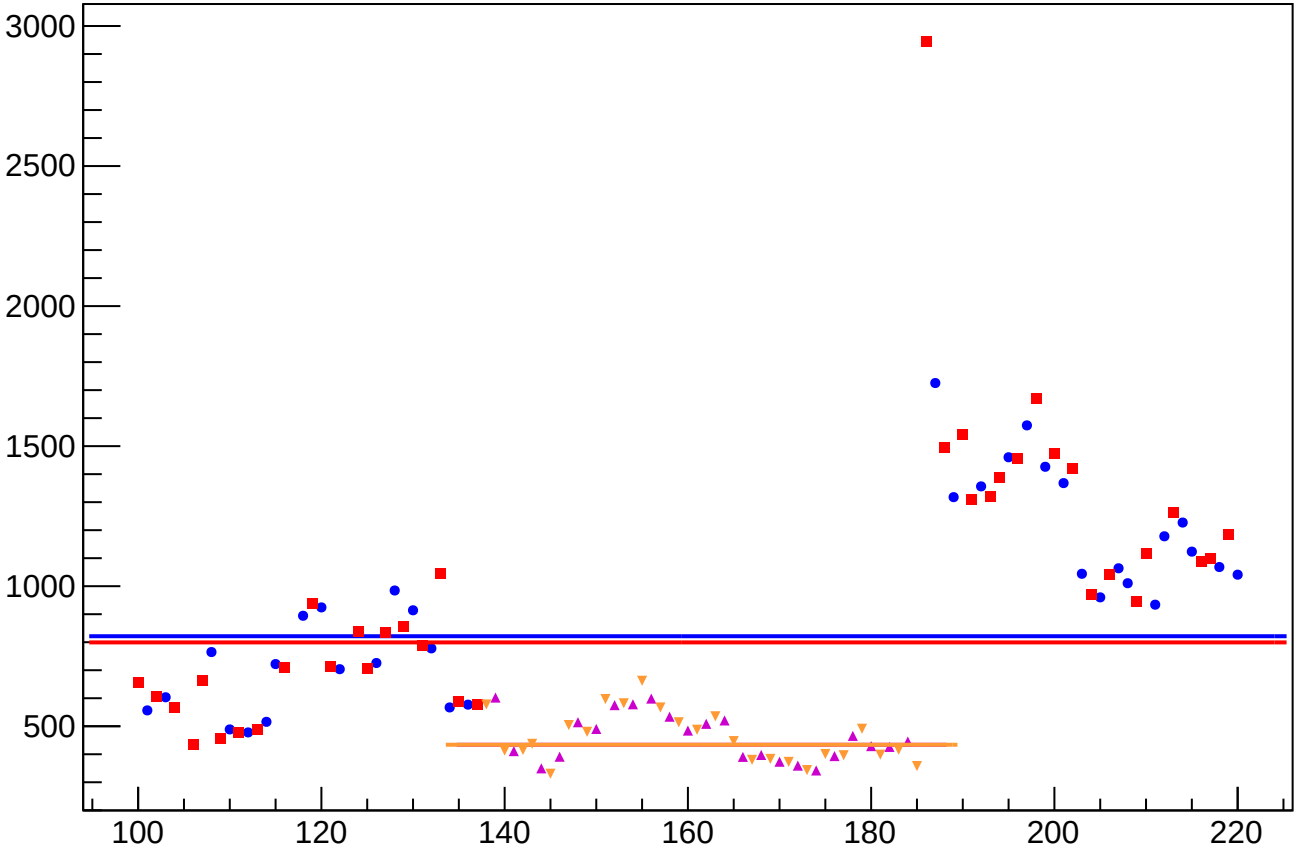
Right: -140.381+/-133.914 χ^2/NDF: 145.7/69

In: 97.289+/-90.730 χ^2/NDF:86.7/55

Out: 163.116+/-88.643 χ^2/NDF:172.6/61

All: 130.968+/-63.405 χ^2/NDF: 259.5/117

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 821.364+/-0.135 χ^2/NDF: 4752286.7/32

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 799.299+/-0.133 χ^2/NDF: 6500563.3/36

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

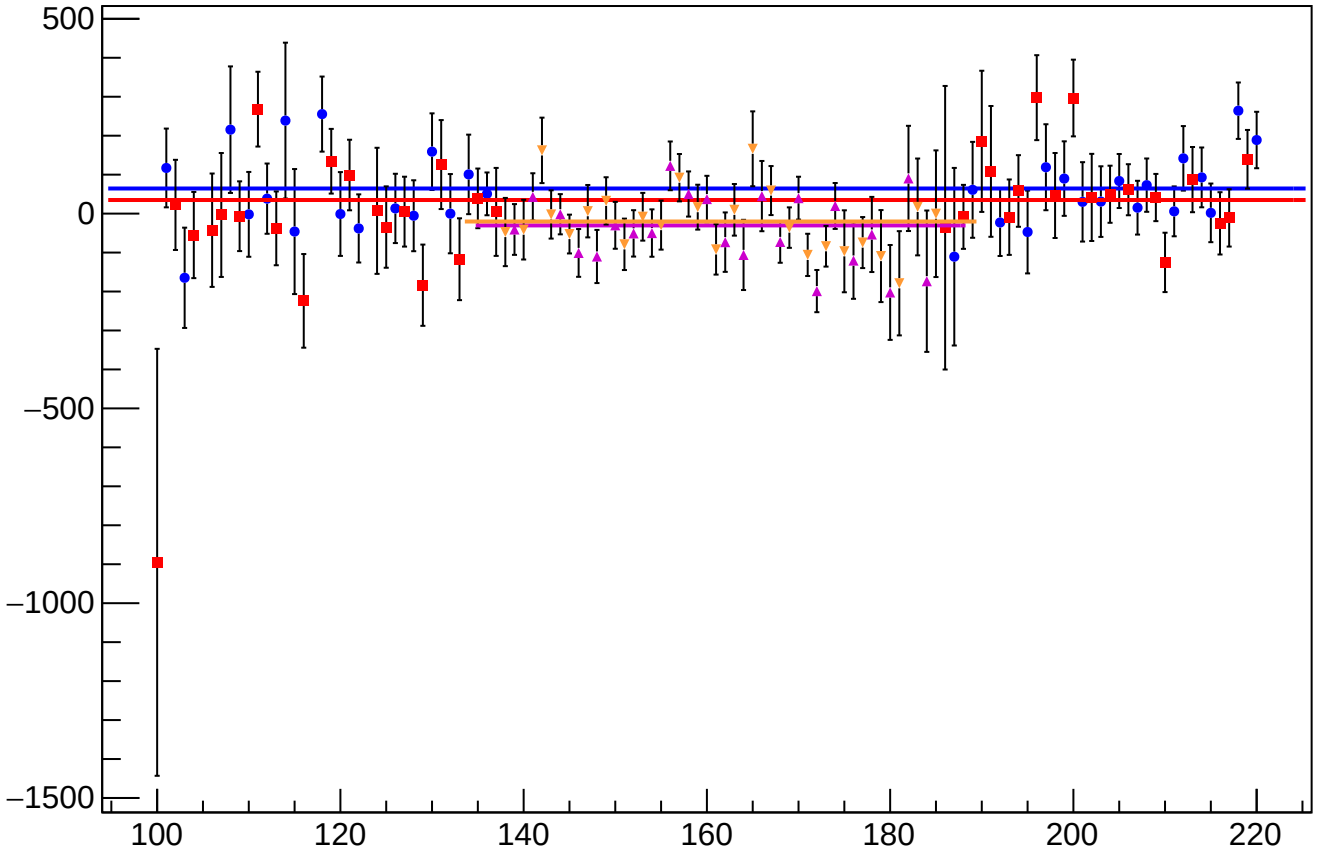
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 810.162+/-0.095 χ^2/NDF: 11266420.3/69

In: 521.328+/-0.064 χ^2/NDF:12233259.6/55

Out: 515.214+/-0.063 χ^2/NDF:13620683.1/61

All: 518.200+/-0.045 χ^2/NDF: 25858590.6/1



Right In: 64.444+/-15.552 χ^2/NDF: 31.1/32

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 34.907+/-15.787 χ^2/NDF: 47.2/36

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

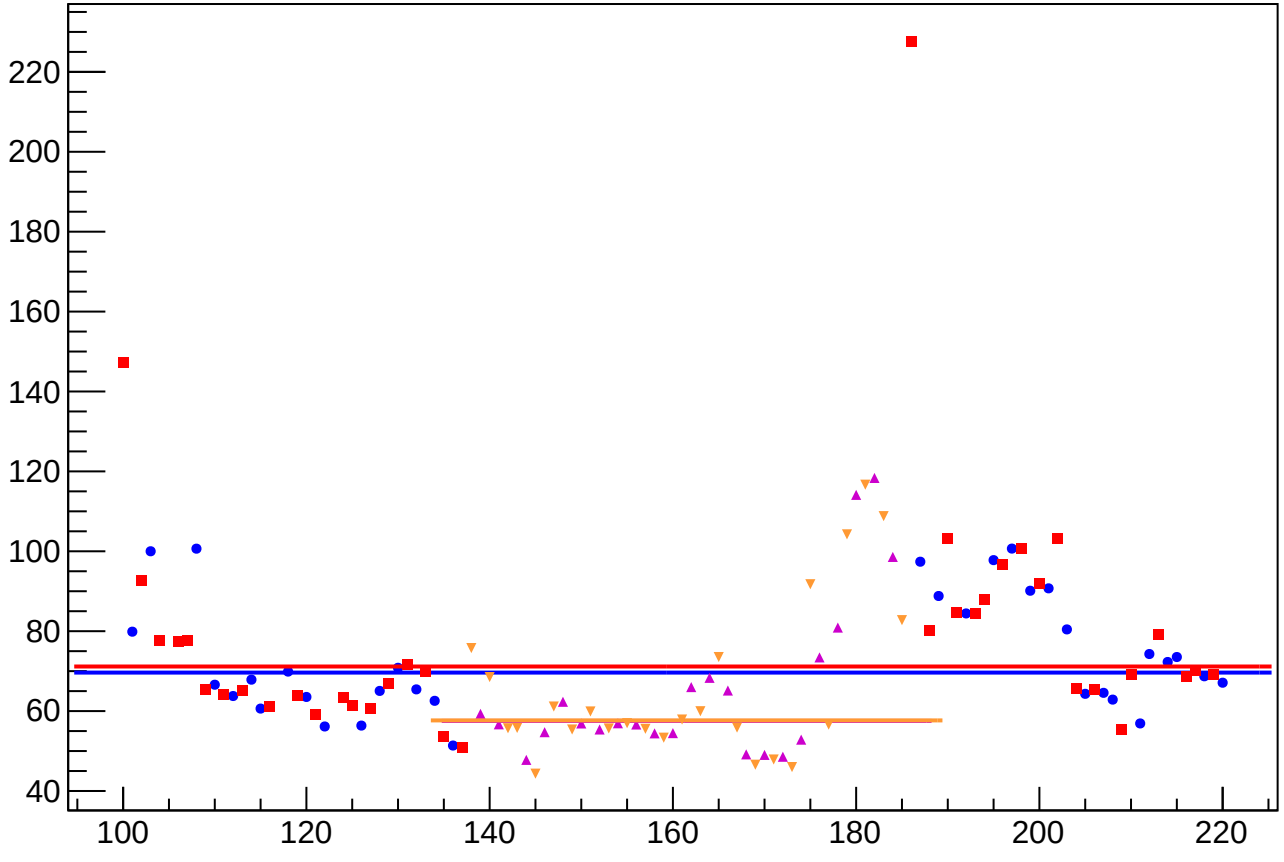
Right: 49.897+/-11.079 χ^2/NDF: 80.1/69

In: 12.028+/-10.396 χ^2/NDF:84.2/55

Out: 3.306+/-10.320 χ^2/NDF:79.4/61

All: 7.635+/-7.324 χ^2/NDF: 163.9/117

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 69.638+/-0.011 χ^2/NDF: 1339256.2/32

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.161+/-0.011 χ^2/NDF: 1702199.9/36

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

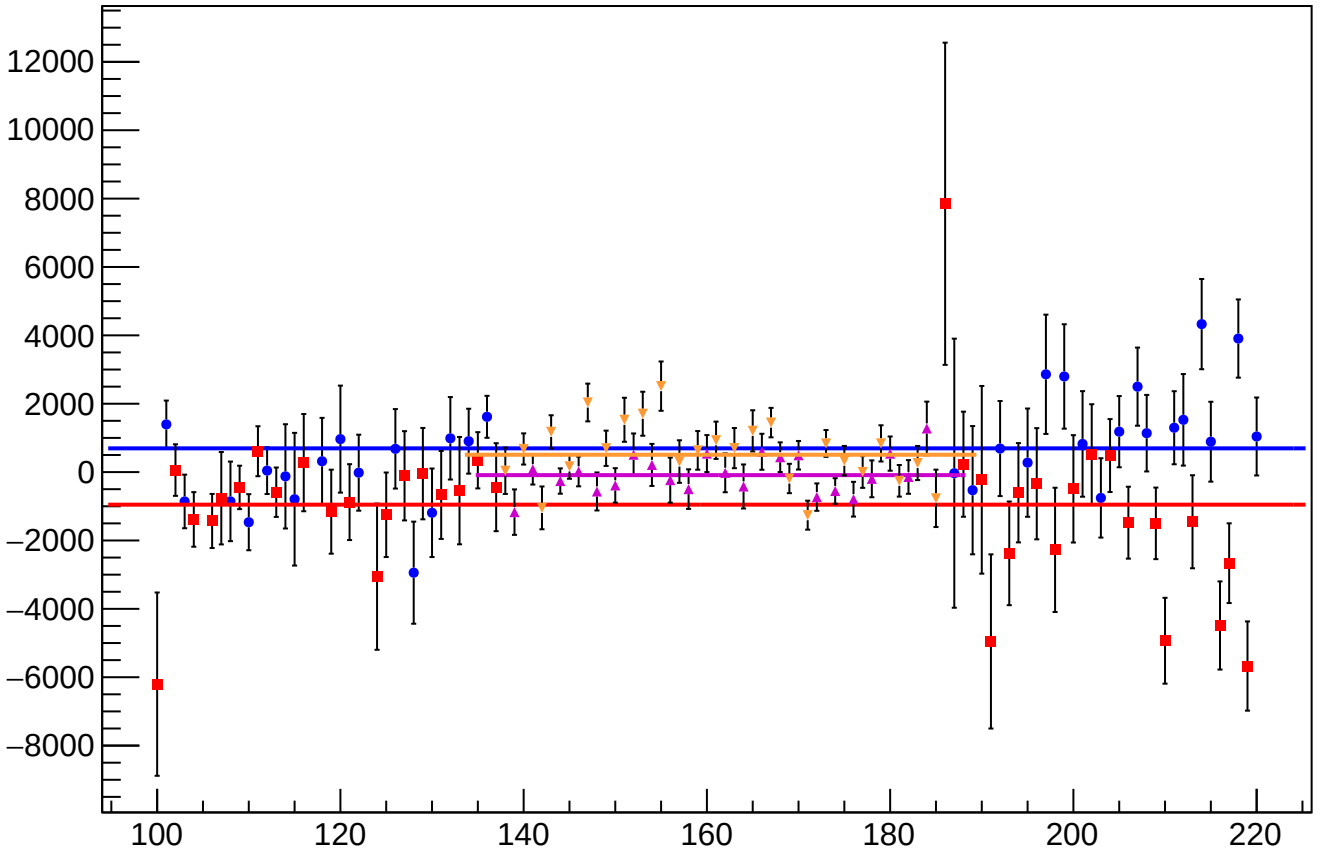
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 70.388+/-0.008 χ^2/NDF: 3050904.6/69

In: 62.946+/-0.007 χ^2/NDF:3451990.5/55

Out: 63.433+/-0.007 χ^2/NDF:4448597.1/61

All: 63.191+/-0.005 χ^2/NDF: 7902803.2/117



Right In: 694.698+/-193.280 χ^2/NDF: 51.1/32

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -952.611+/-189.101 χ^2/NDF: 61.8/36

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

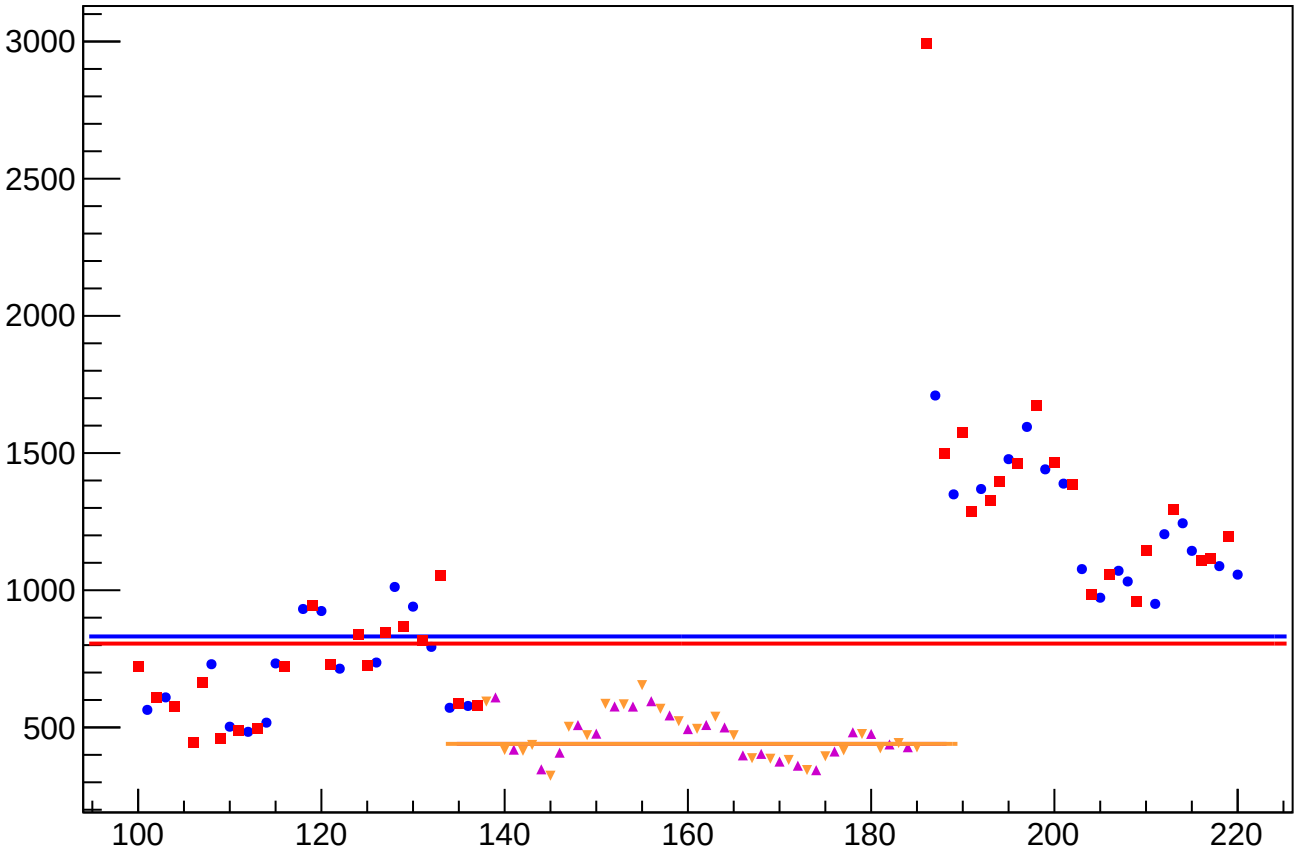
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -146.960+/-135.168 χ^2/NDF: 150.0/69

In: 88.789+/-91.953 χ^2/NDF:87.1/55

Out: 179.290+/-89.620 χ^2/NDF:173.8/61

All: 135.202+/-64.180 χ^2/NDF: 261.4/117



Right In: 831.557+/-0.137 χ^2/NDF: 4810216.2/32

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 805.536+/-0.134 χ^2/NDF: 6522212.3/36

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

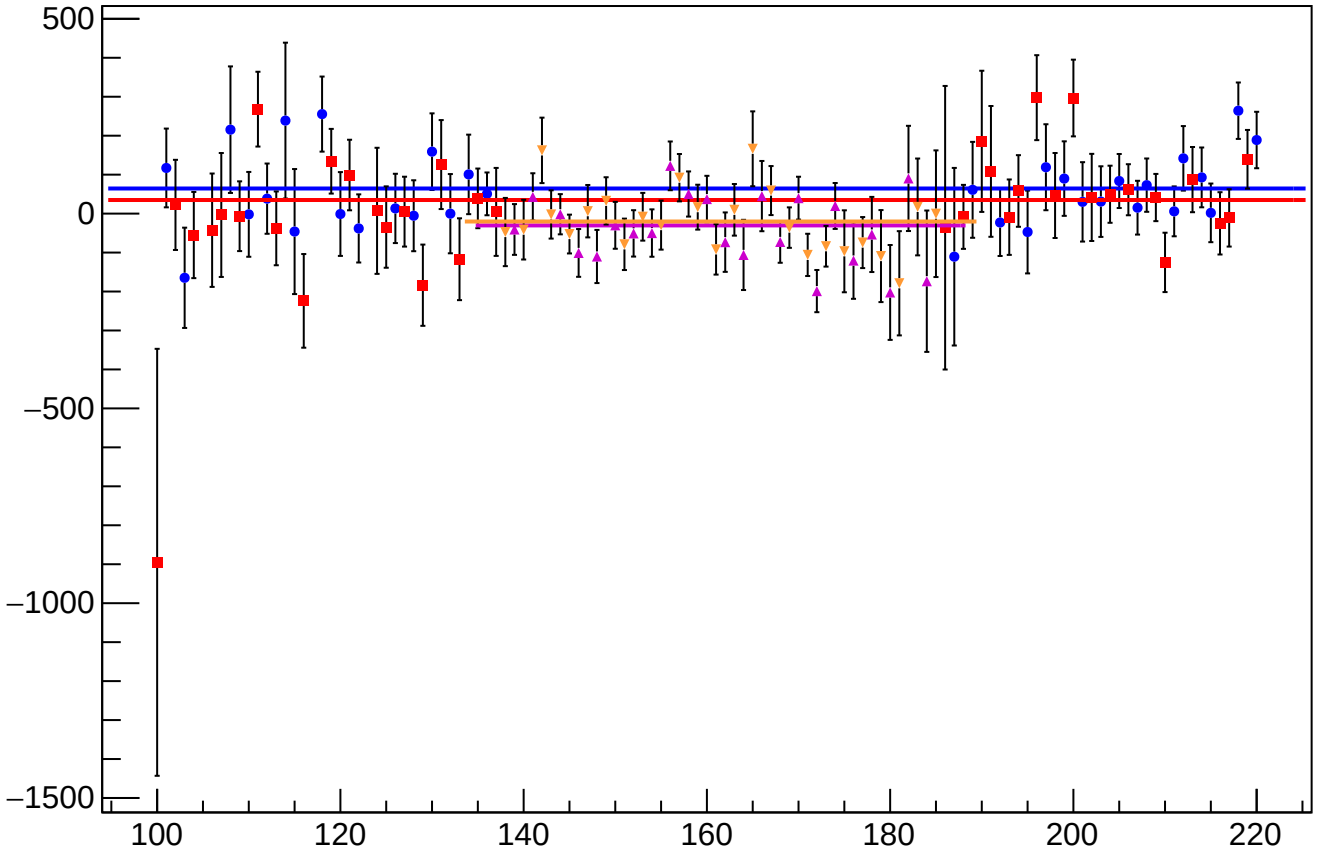
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 818.262+/-0.096 χ^2/NDF: 11350949.3/69

In: 528.529+/-0.065 χ^2/NDF:12226471.5/55

Out: 522.161+/-0.063 χ^2/NDF:13511445.6/61

All: 525.263+/-0.045 χ^2/NDF: 25742835.5/1



Right In: 64.442+/-15.552 χ^2/NDF: 31.1/32

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 34.909+/-15.787 χ^2/NDF: 47.2/36

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

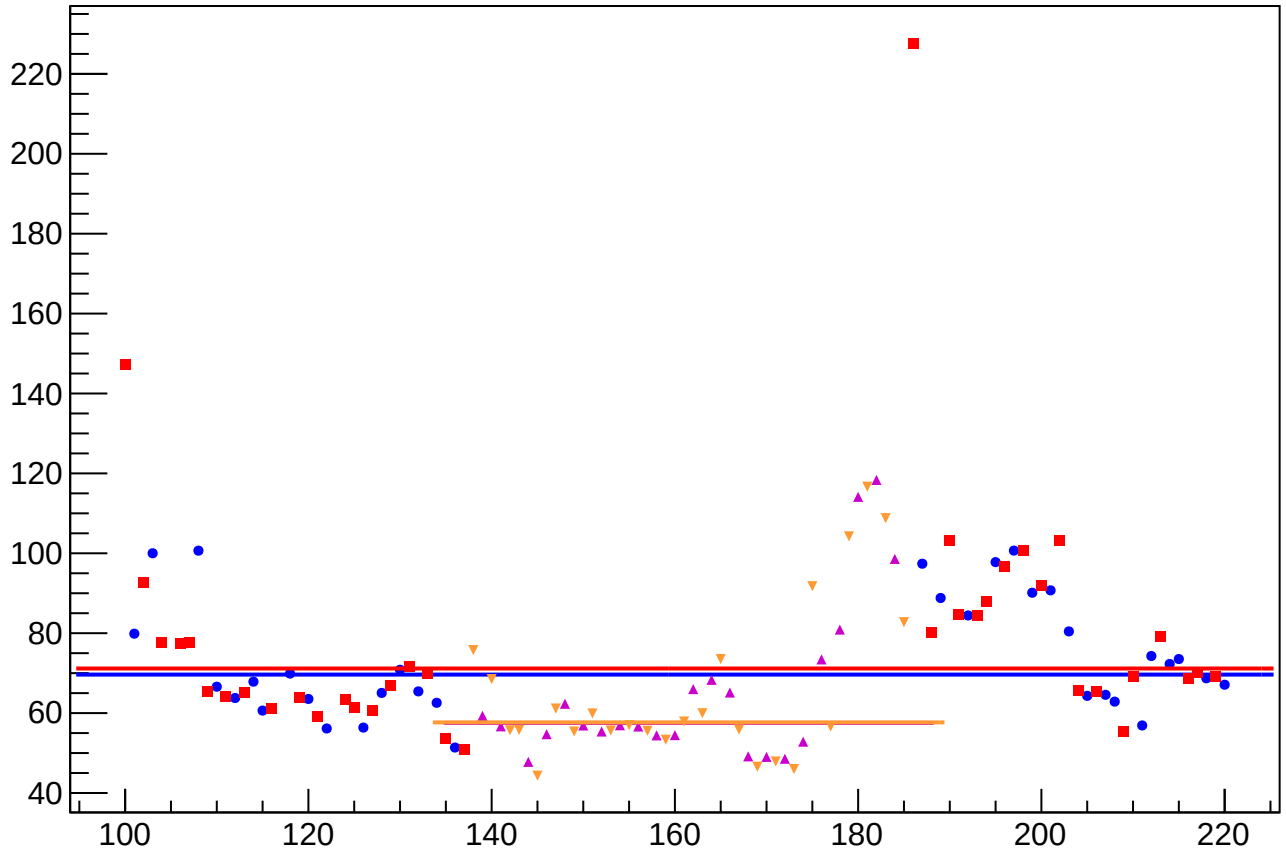
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 49.897+/-11.079 χ^2/NDF: 80.1/69

In: 12.028+/-10.396 χ^2/NDF:84.2/55

Out: 3.307+/-10.320 χ^2/NDF:79.4/61

All: 7.635+/-7.324 χ^2/NDF: 163.9/117



Right In: 69.638+/-0.011 χ^2/NDF: 1339229.8/32

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 71.161+/-0.011 χ^2/NDF: 1702204.4/36

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

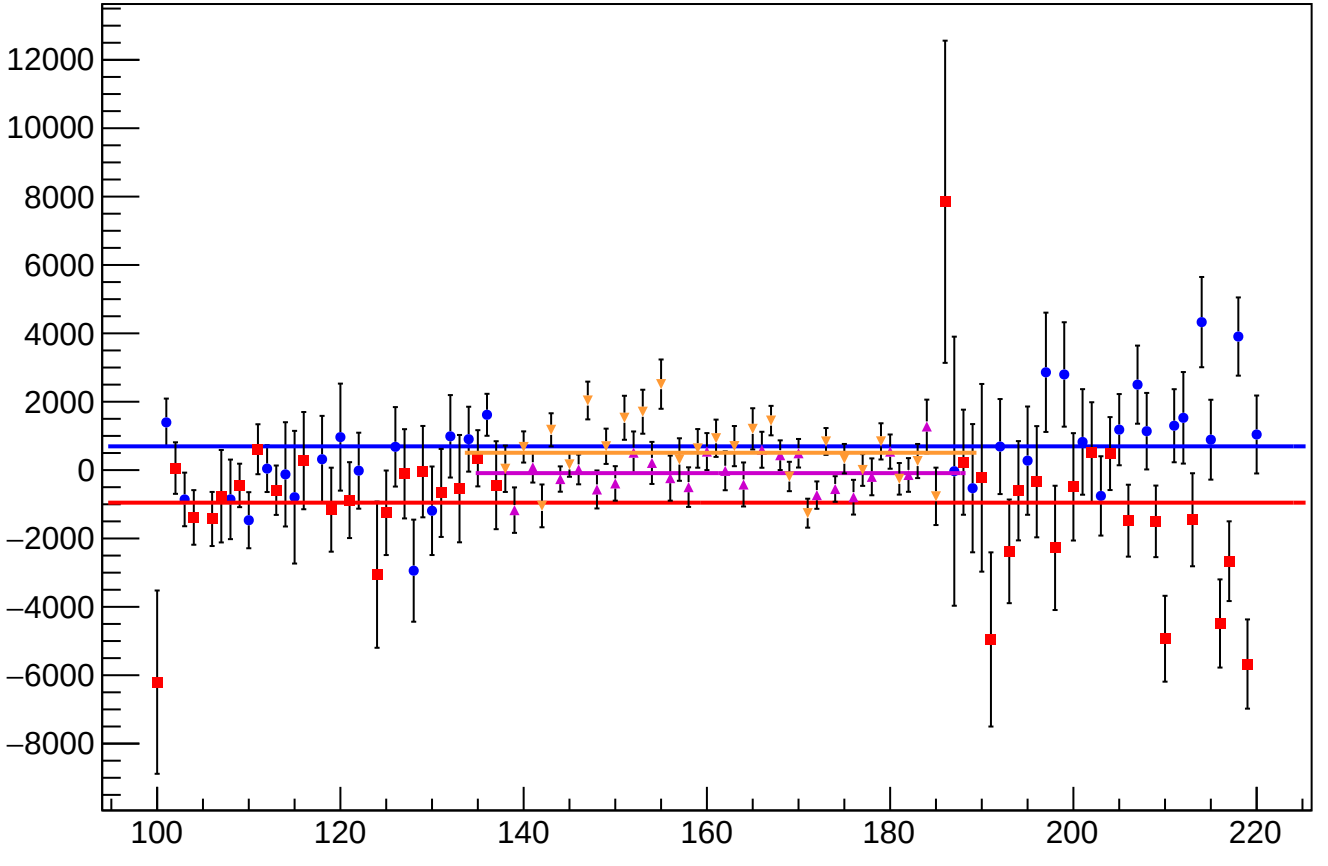
Right: 70.388+/-0.008 χ^2/NDF: 3050883.1/69

In: 62.946+/-0.007 χ^2/NDF:3451934.7/55

Out: 63.433+/-0.007 χ^2/NDF:4448578.3/61

All: 63.191+/-0.005 χ^2/NDF: 7902729.2/117

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 694.696+/-193.280 χ^2/NDF: 51.1/32

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -952.609+/-189.100 χ^2/NDF: 61.8/36

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

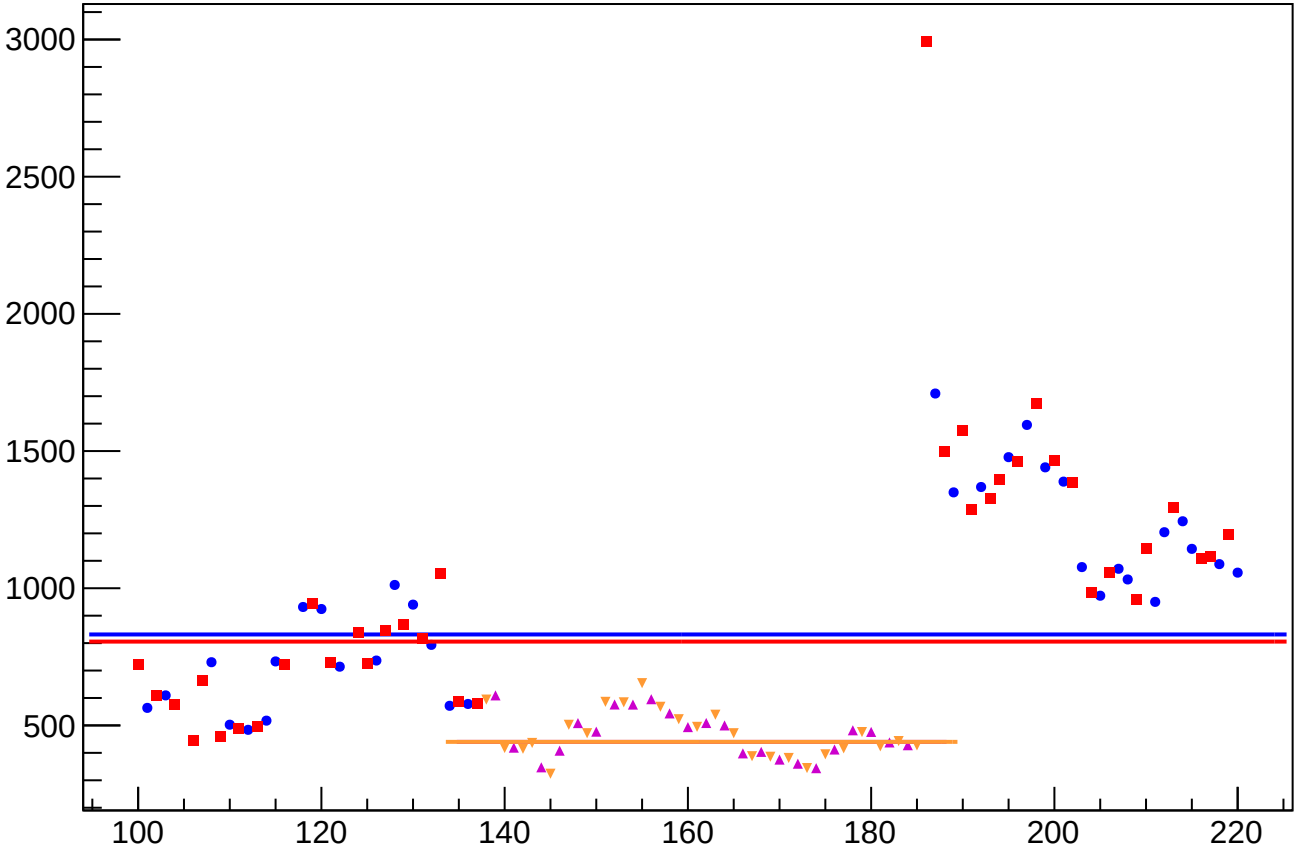
Right: -146.960+/-135.168 χ^2/NDF: 150.0/69

In: 88.788+/-91.953 χ^2/NDF:87.1/55

Out: 179.290+/-89.620 χ^2/NDF:173.8/61

All: 135.201+/-64.180 χ^2/NDF: 261.4/117

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 831.556+/-0.137 χ^2/NDF: 4810221.0/32

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 805.536+/-0.134 χ^2/NDF: 6522218.7/36

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

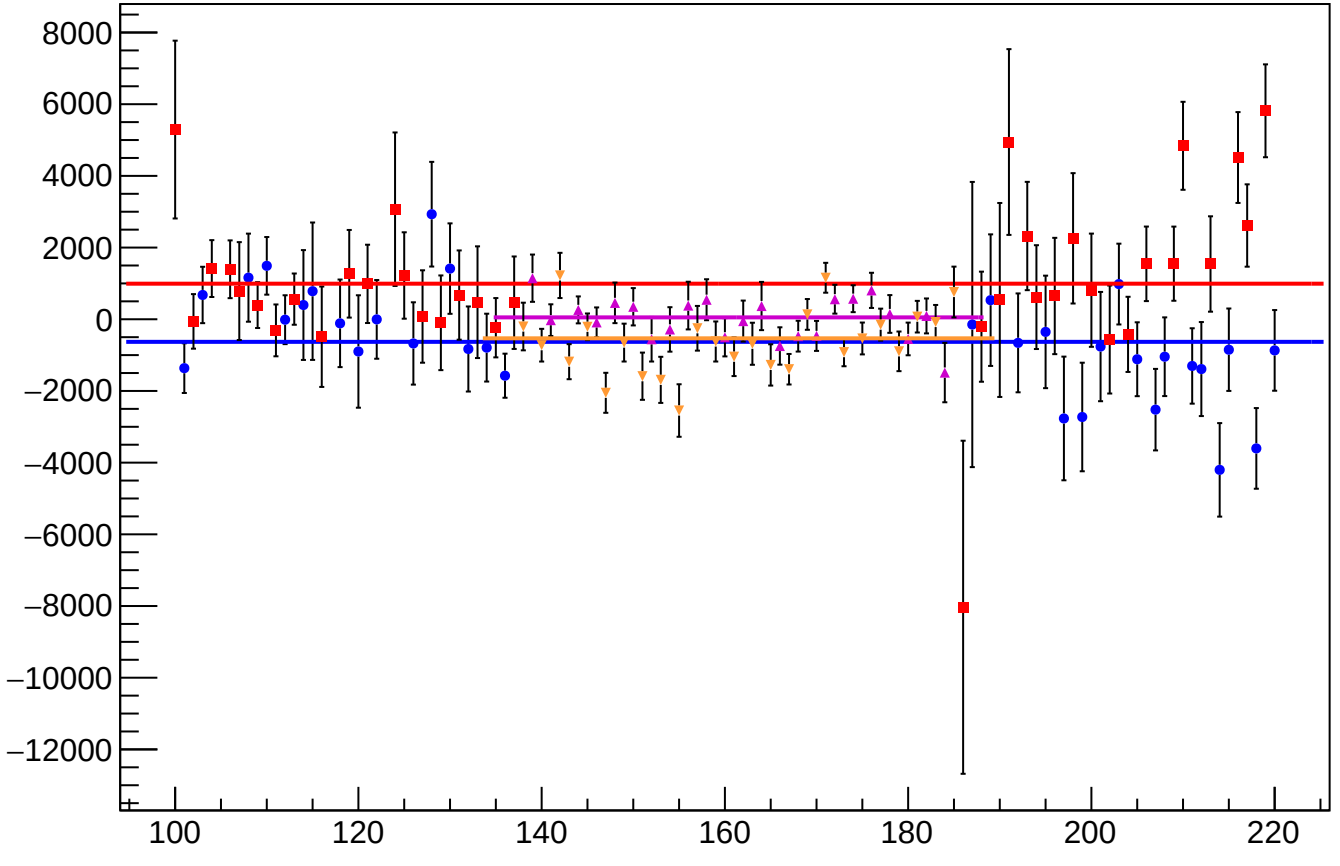
Right: 818.262+/-0.096 χ^2/NDF: 11350960.4/69

In: 528.527+/-0.065 χ^2/NDF:12226510.2/55

Out: 522.160+/-0.063 χ^2/NDF:13511482.4/61

All: 525.262+/-0.045 χ^2/NDF: 25742910.8/11

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -630.094+/-191.648 χ^2/NDF: 50.7/32

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 992.484+/-188.123 χ^2/NDF: 61.0/36

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

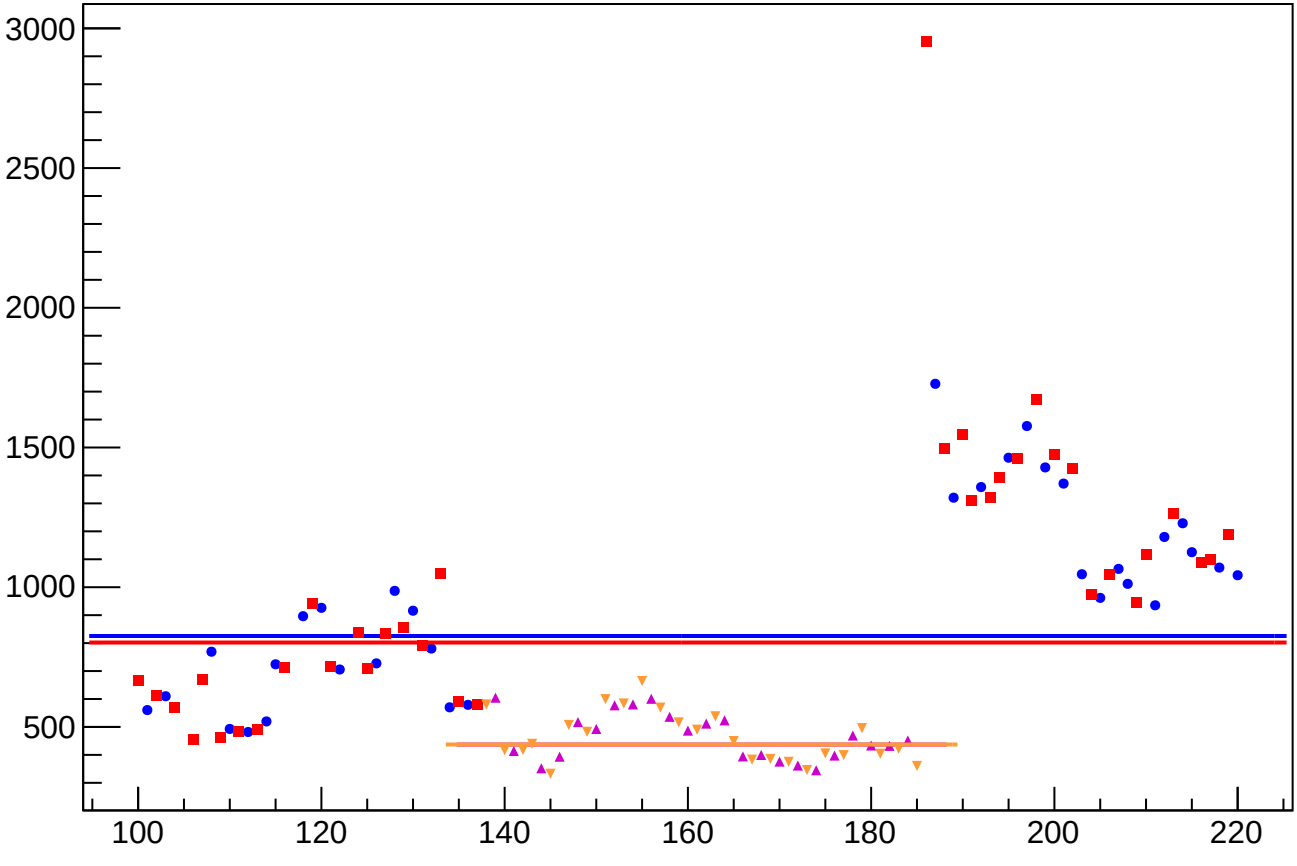
Right: 196.254+/-134.252 χ^2/NDF: 148.2/69

In: -102.442+/-91.320 χ^2/NDF:84.6/55

Out: -189.279+/-89.154 χ^2/NDF:177.4/61

All: -146.902+/-63.793 χ^2/NDF: 262.5/117

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 825.456+/-0.136 χ^2/NDF: 4694033.7/32

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 802.125+/-0.133 χ^2/NDF: 6443624.6/36

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

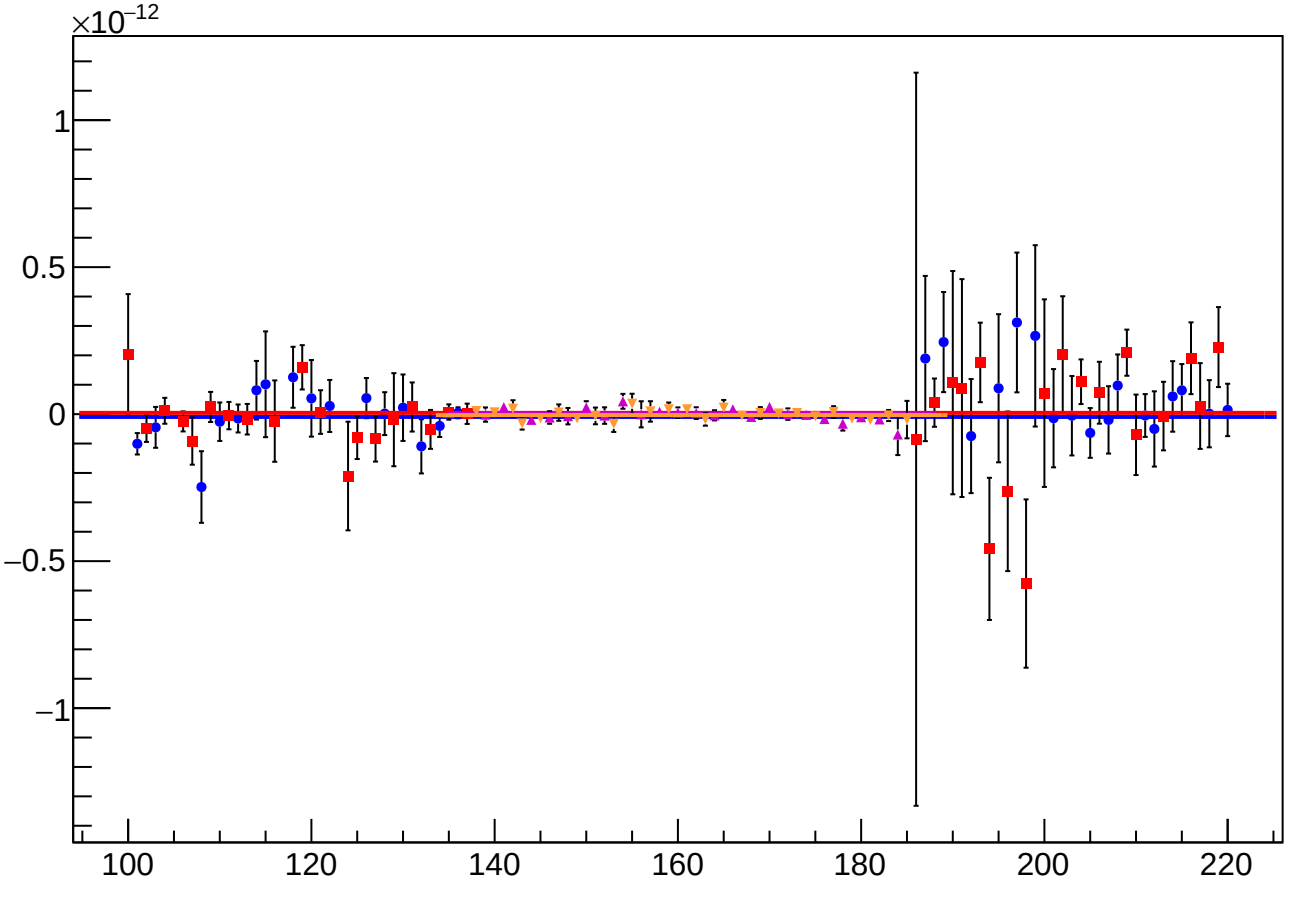
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 813.574+/-0.095 χ^2/NDF: 11152752.5/69

In: 525.151+/-0.065 χ^2/NDF:12127308.1/55

Out: 519.126+/-0.063 χ^2/NDF:13508037.0/61

All: 522.066+/-0.045 χ^2/NDF: 25639802.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.2/36

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

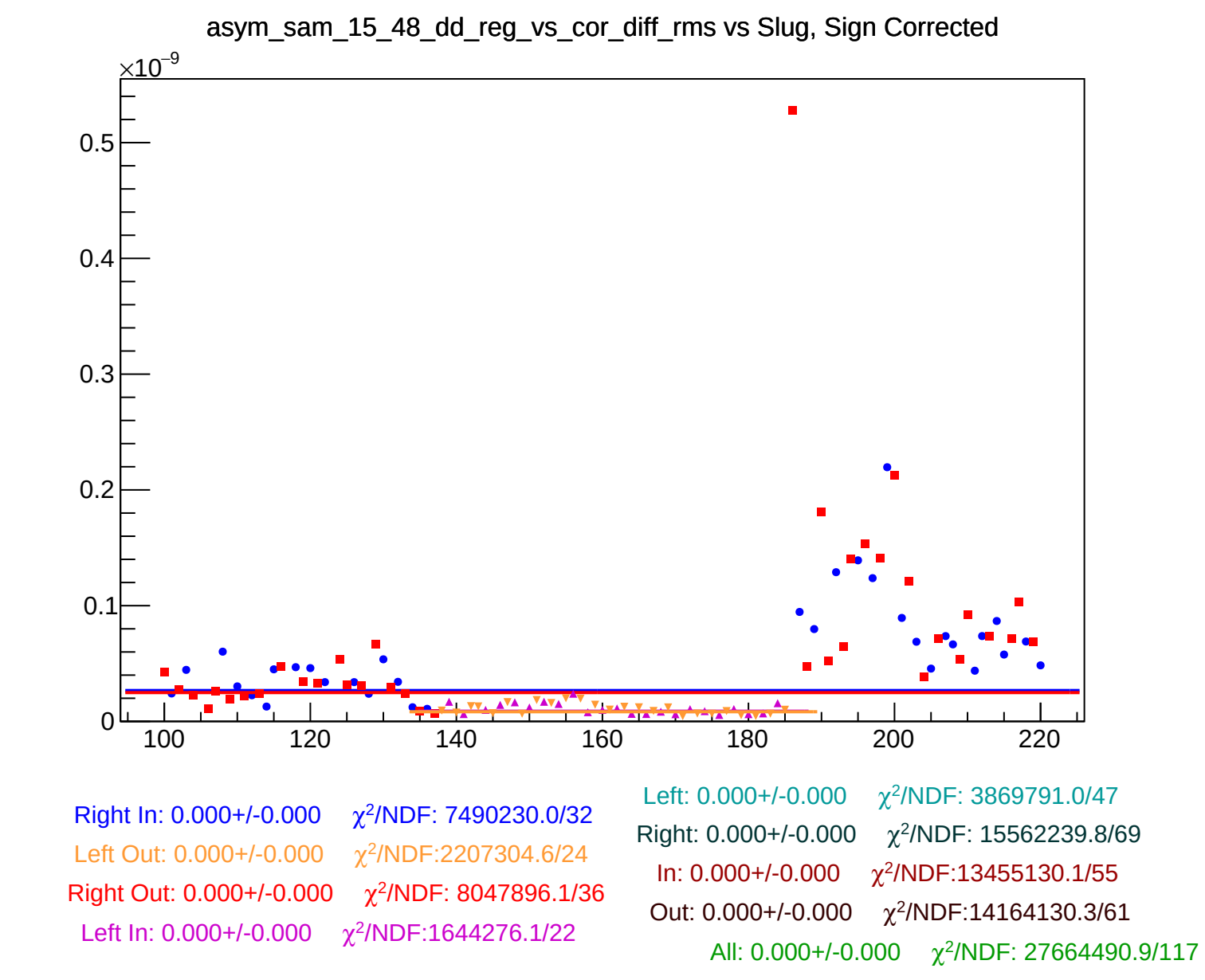
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

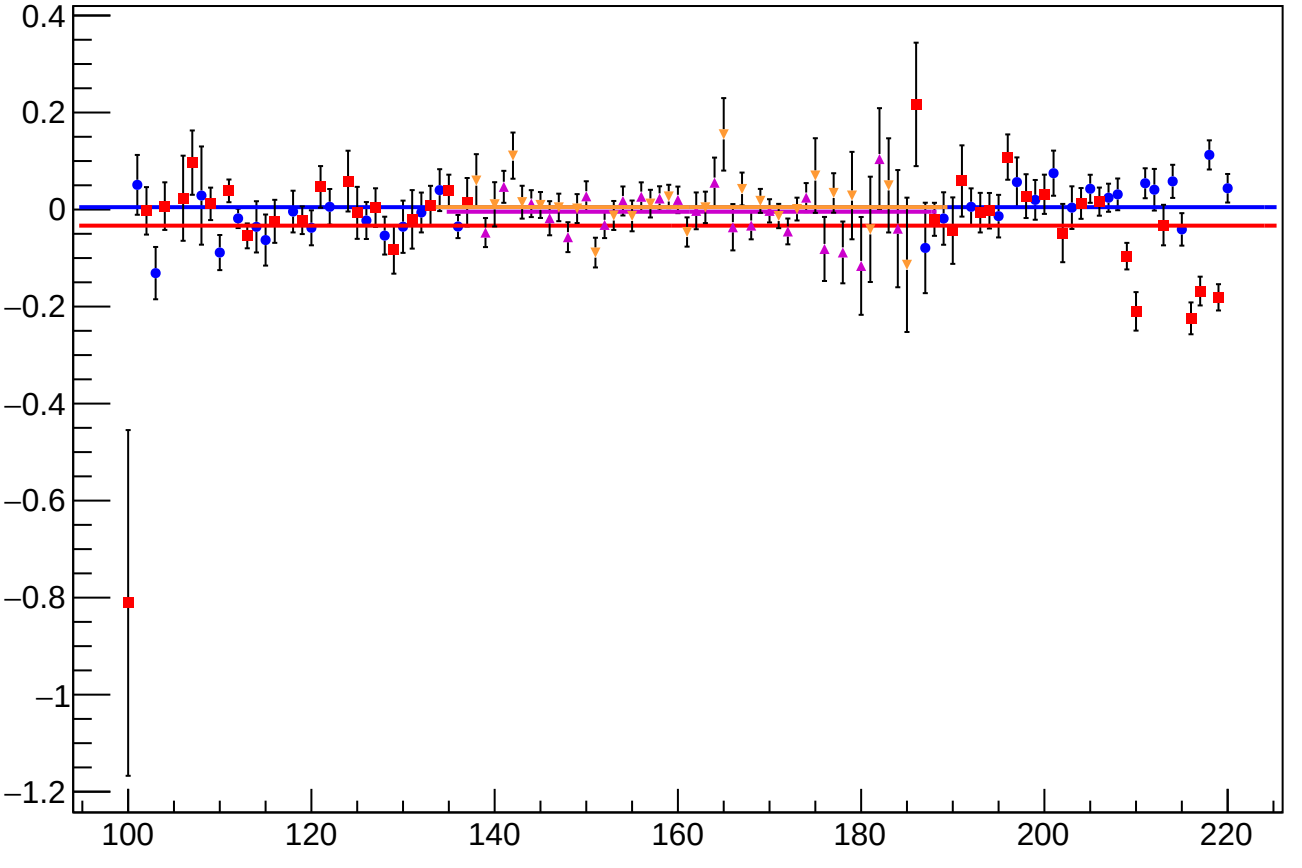
Right: -0.000+/-0.000 χ^2/NDF: 66.7/69

In: 0.000+/-0.000 χ^2/NDF:48.6/55

Out: -0.000+/-0.000 χ^2/NDF:54.9/61

All: -0.000+/-0.000 χ^2/NDF: 103.9/117


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7490230.0/32
Left Out: 0.000+/-0.000 χ²/NDF:2207304.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 8047896.1/36
Left In: 0.000+/-0.000 χ²/NDF:1644276.1/22
Left: 0.000+/-0.000 χ²/NDF: 3869791.0/47
Right: 0.000+/-0.000 χ²/NDF: 15562239.8/69
In: 0.000+/-0.000 χ²/NDF:13455130.1/55
Out: 0.000+/-0.000 χ²/NDF:14164130.3/61
All: 0.000+/-0.000 χ²/NDF: 27664490.9/117



Right In: 0.005+/-0.006 χ^2/NDF: 55.1/32

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

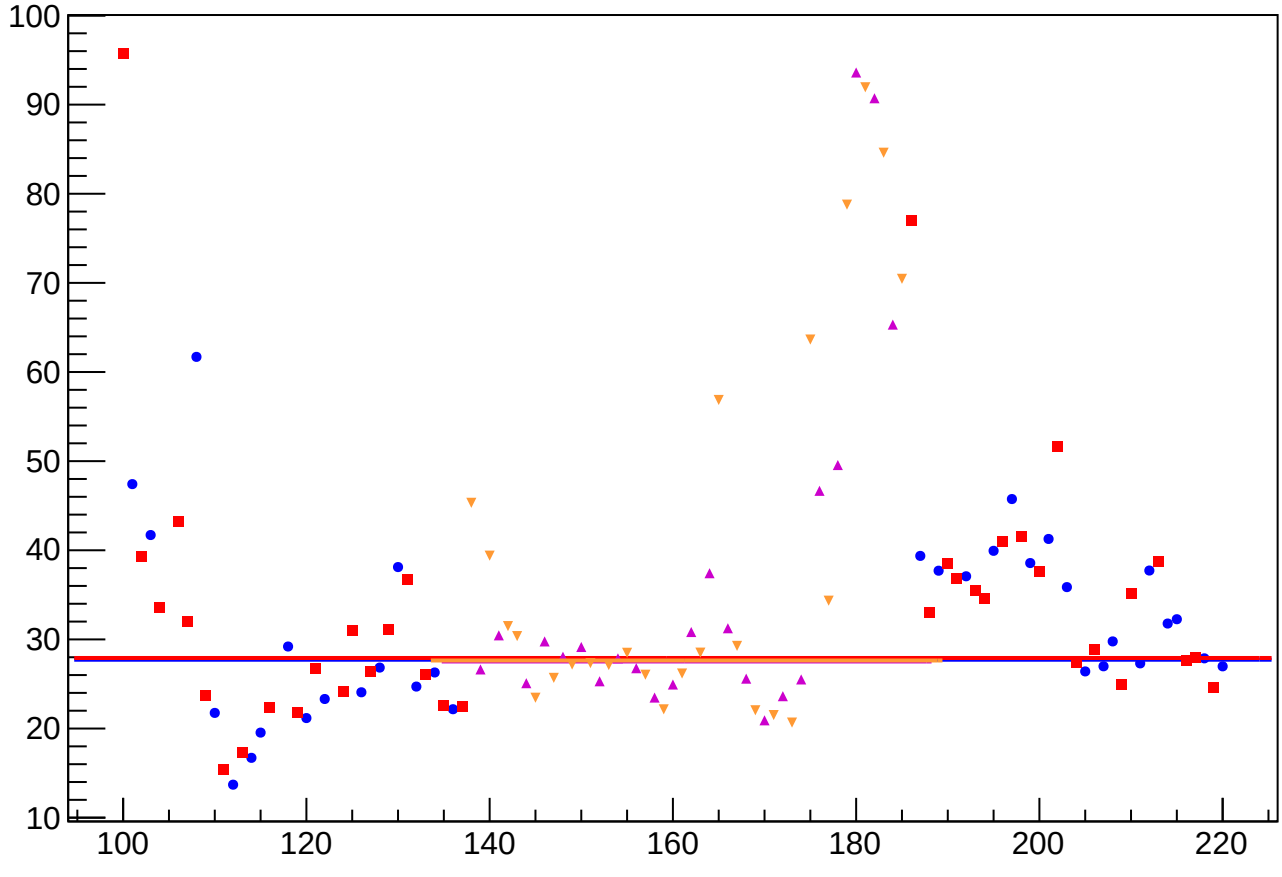
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.014+/-0.005 χ^2/NDF: 244.1/69

In: 0.001+/-0.005 χ^2/NDF:81.2/55

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.007+/-0.003 χ^2/NDF: 303.4/117



Right In: 27.721+/-0.005 χ^2/NDF: 3248751.9/32

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

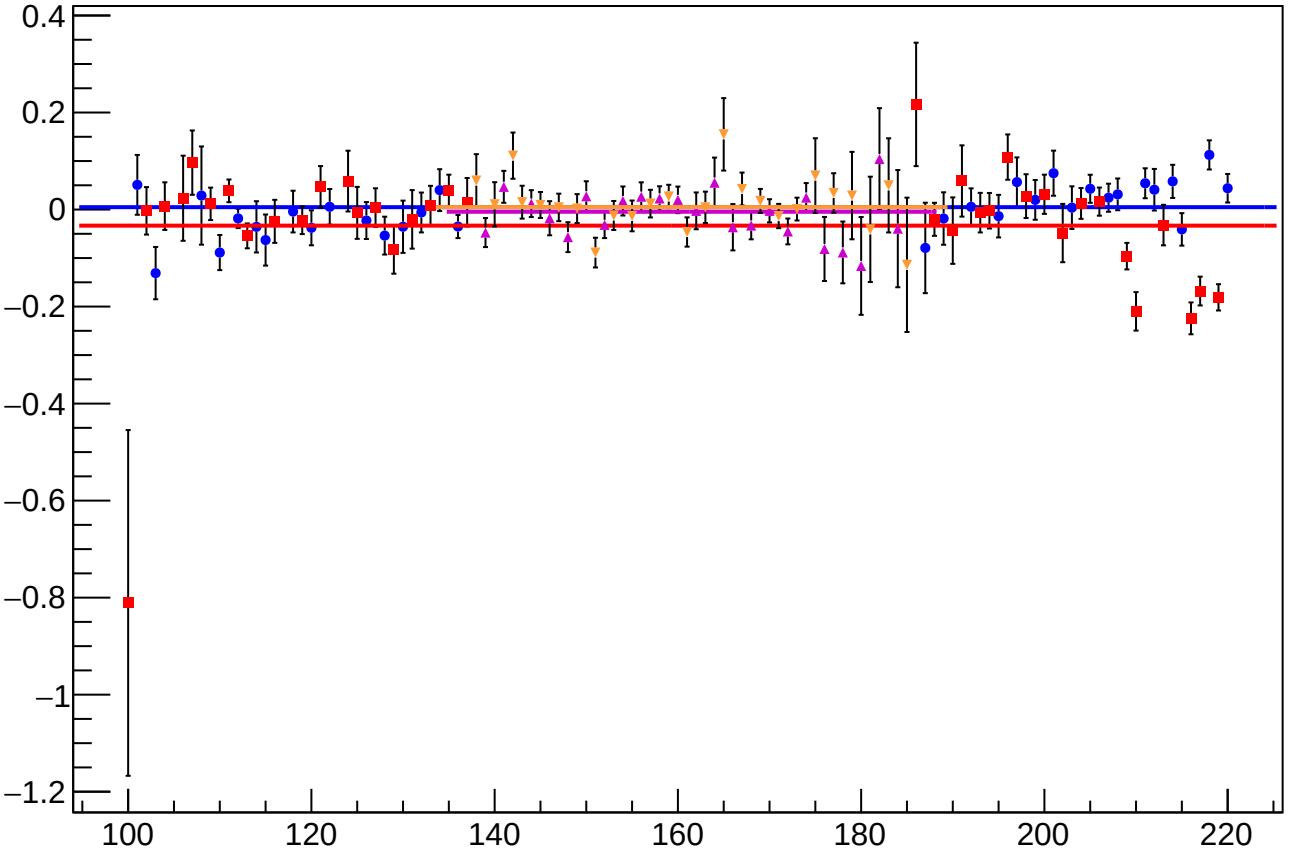
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.819+/-0.003 χ^2/NDF: 6327128.1/69

In: 27.630+/-0.003 χ^2/NDF:5884149.5/55

Out: 27.785+/-0.003 χ^2/NDF:7053341.9/61

All: 27.708+/-0.002 χ^2/NDF: 12938564.2/117



Right In: 0.005+/-0.006 χ^2/NDF: 55.1/32

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

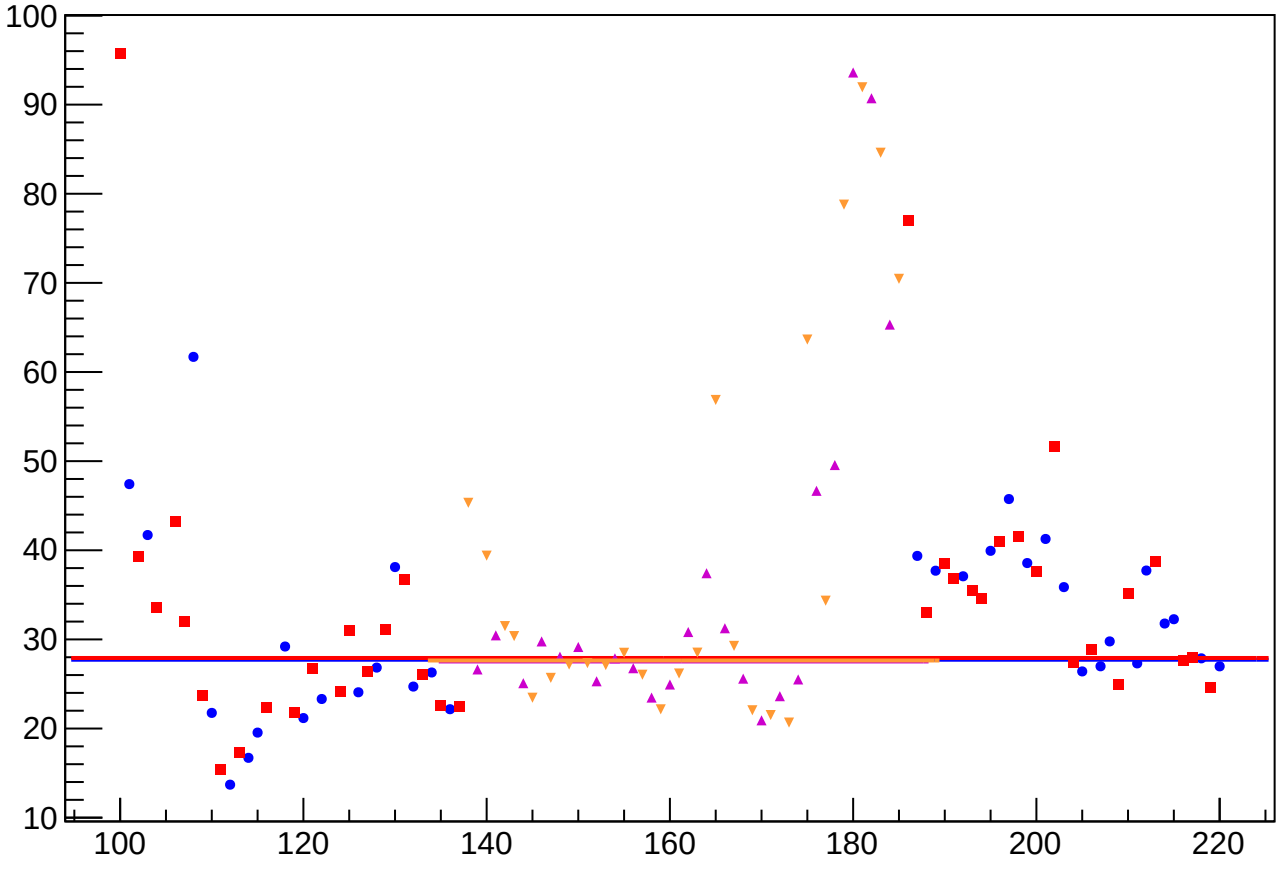
Right: -0.014+/-0.005 χ^2/NDF: 244.1/69

In: 0.001+/-0.005 χ^2/NDF:81.2/55

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.007+/-0.003 χ^2/NDF: 303.4/117

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.721+/-0.005 χ^2/NDF: 3248751.9/32

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

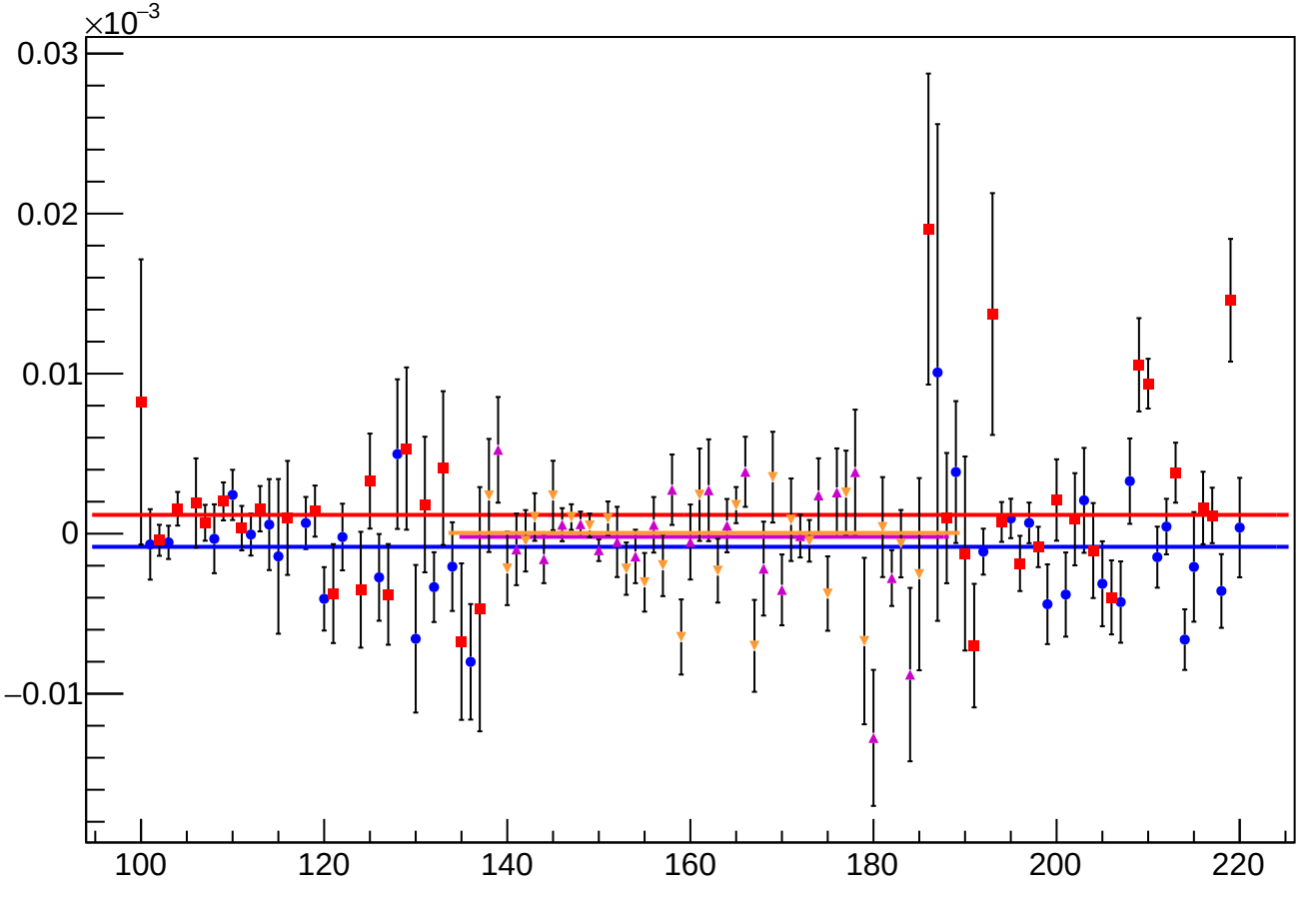
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.819+/-0.003 χ^2/NDF: 6327128.1/69

In: 27.630+/-0.003 χ^2/NDF:5884149.5/55

Out: 27.785+/-0.003 χ^2/NDF:7053341.9/61

All: 27.708+/-0.002 χ^2/NDF: 12938564.2/117



Right In: -0.000+/-0.000 χ^2/NDF: 43.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 90.8/36

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

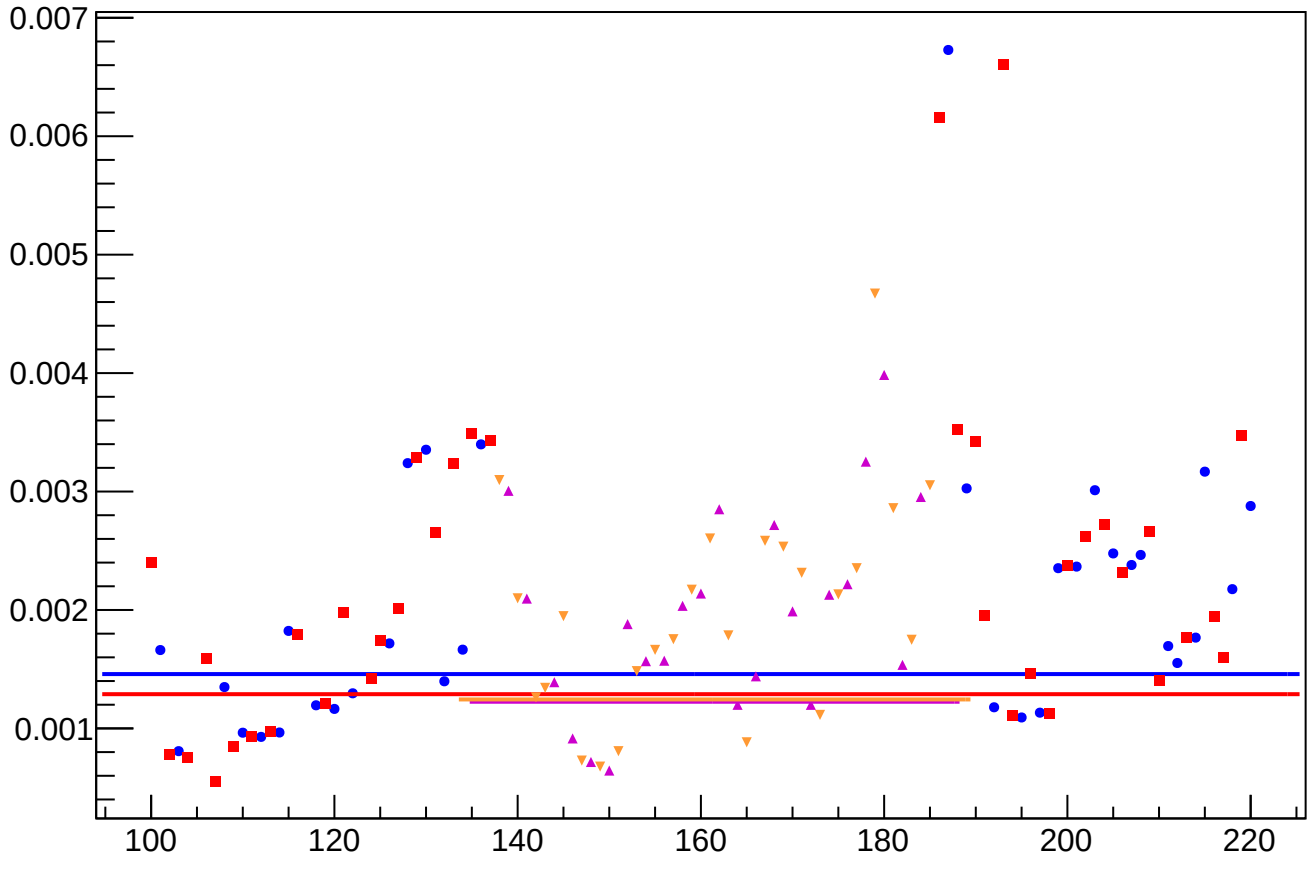
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 151.6/69

In: -0.000+/-0.000 χ^2/NDF:78.5/55

Out: 0.000+/-0.000 χ^2/NDF:133.8/61

All: 0.000+/-0.000 χ^2/NDF: 223.1/117



Right In: 0.001+/-0.000 χ^2/NDF: 6597560.9/32

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9836388.5/36

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

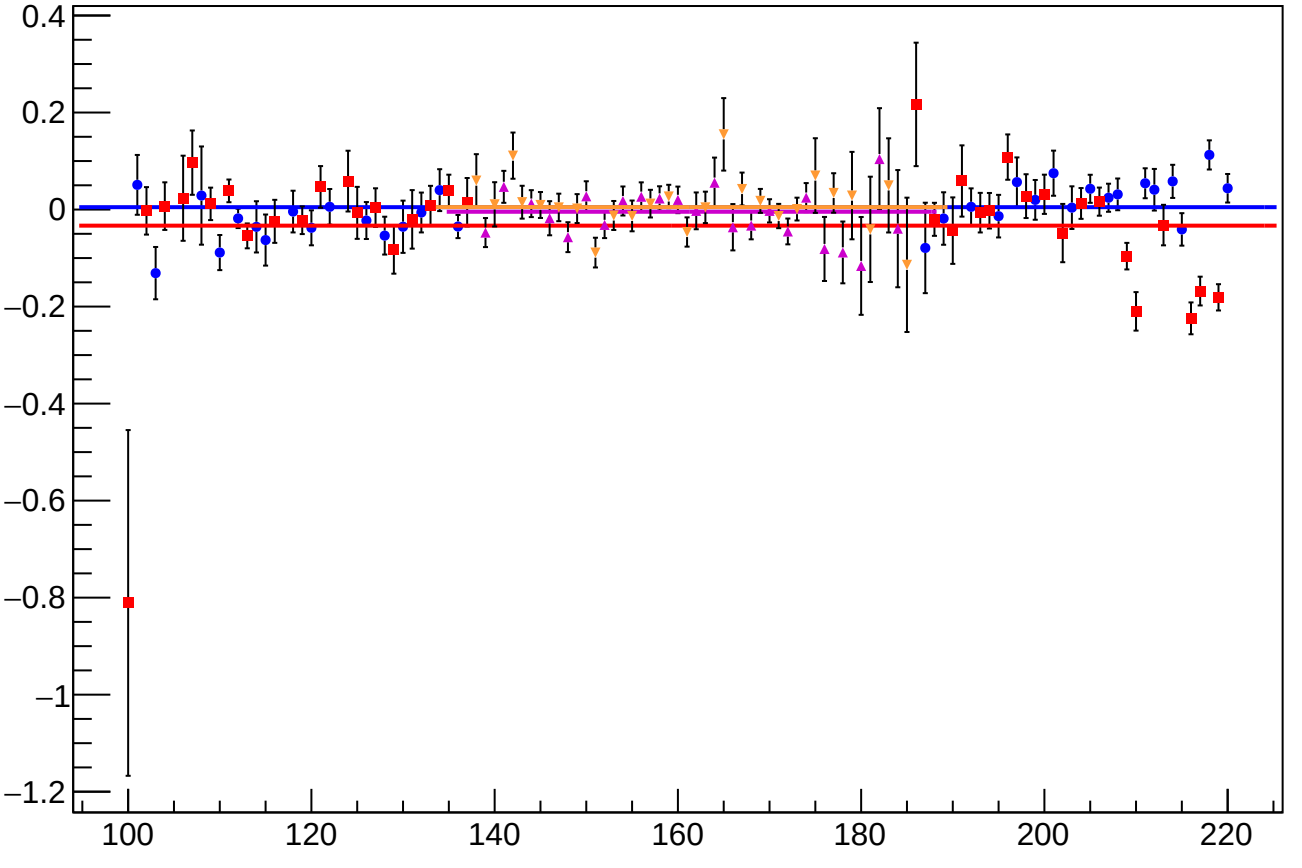
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 16682532.6/69

In: 0.001+/-0.000 χ^2/NDF:14882235.4/55

Out: 0.001+/-0.000 χ^2/NDF:18196210.3/61

All: 0.001+/-0.000 χ^2/NDF: 33159379.0/117



Right In: 0.005+/-0.006 χ^2/NDF: 55.1/32

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

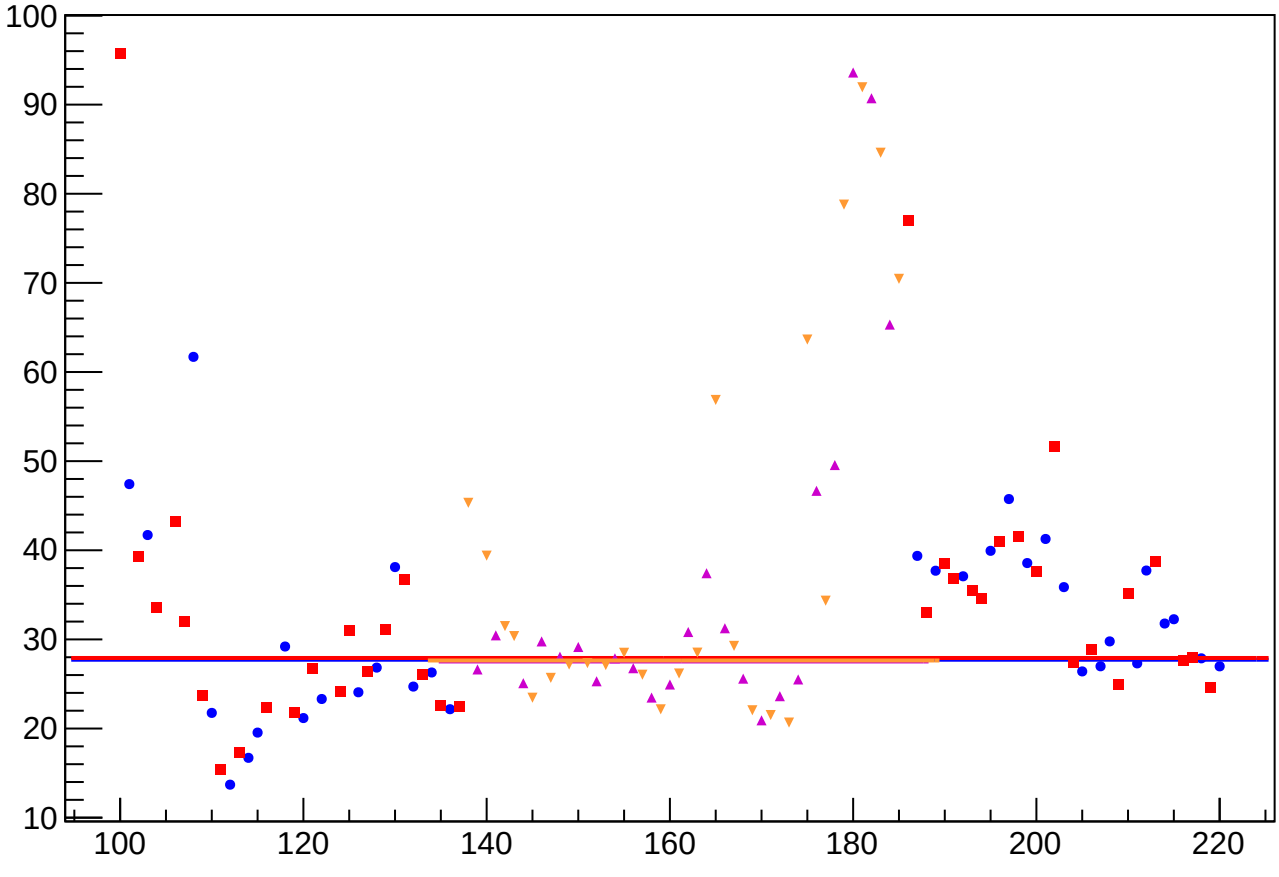
Right: -0.014+/-0.005 χ^2/NDF: 244.1/69

In: 0.001+/-0.005 χ^2/NDF:81.2/55

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.007+/-0.003 χ^2/NDF: 303.4/117

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.721+/-0.005 χ^2/NDF: 3248730.7/32

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

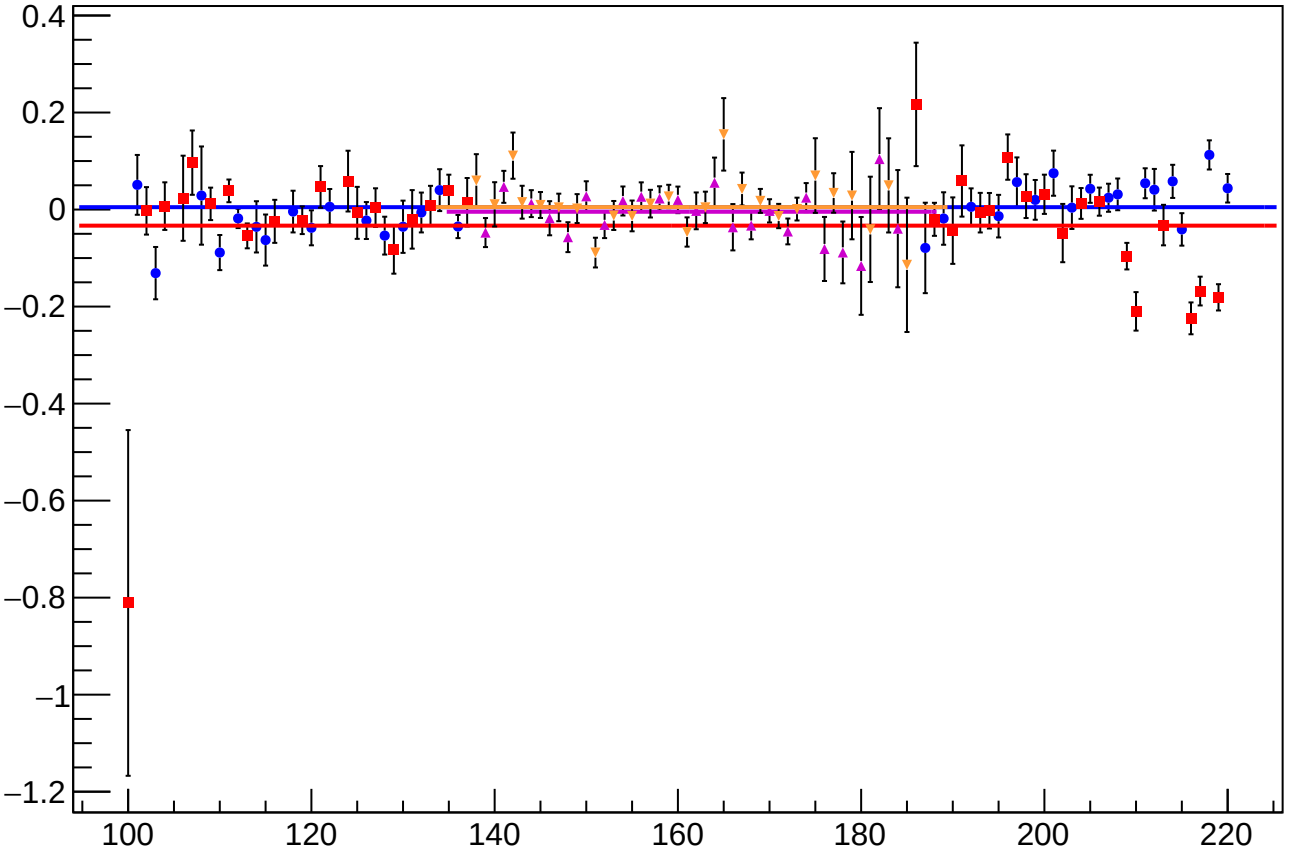
Right: 27.819+/-0.003 χ^2/NDF: 6327217.2/69

In: 27.630+/-0.003 χ^2/NDF:5884093.9/55

Out: 27.785+/-0.003 χ^2/NDF:7053387.5/61

All: 27.708+/-0.002 χ^2/NDF: 12938554.9/117

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.006 χ^2/NDF: 55.1/32

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

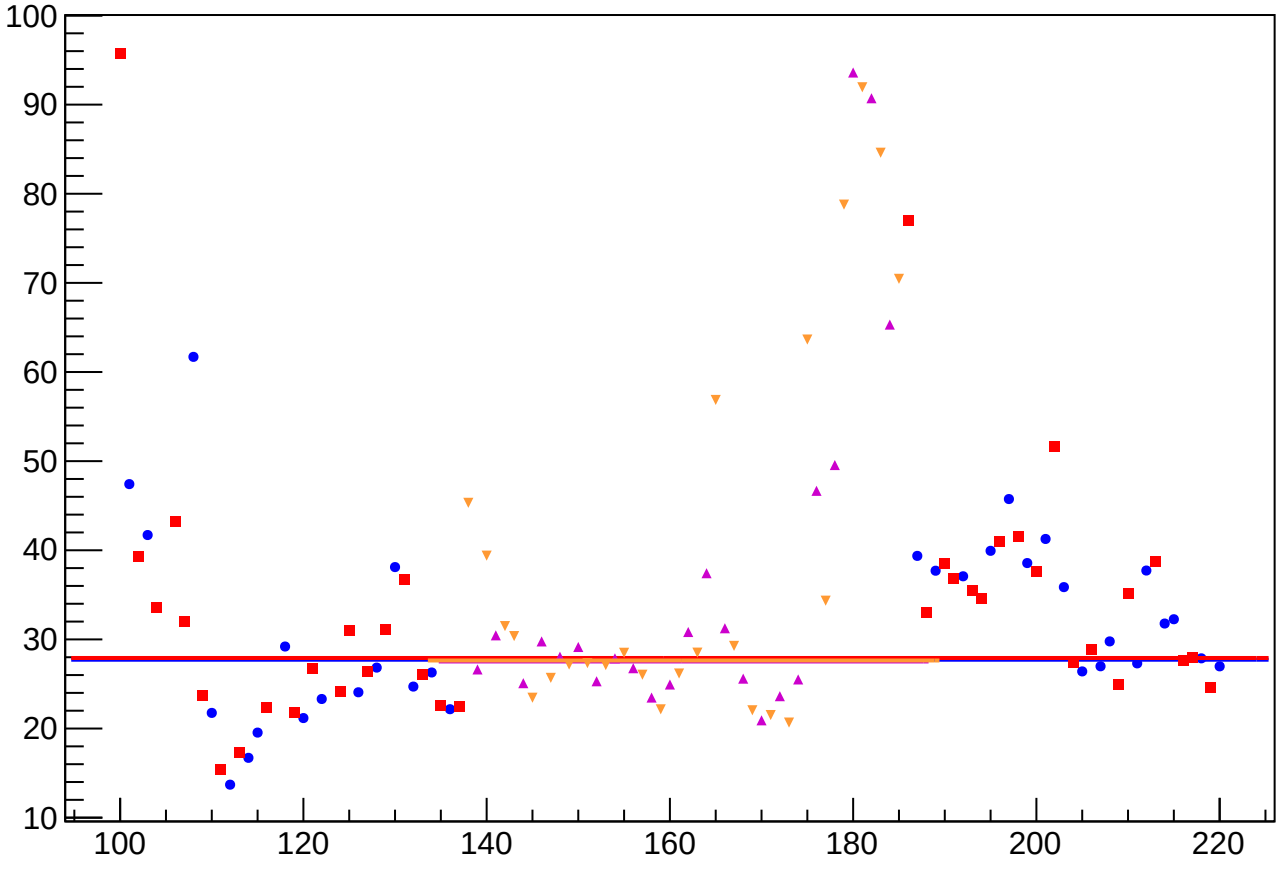
Right: -0.014+/-0.005 χ^2/NDF: 244.1/69

In: 0.001+/-0.005 χ^2/NDF:81.2/55

Out: -0.015+/-0.005 χ^2/NDF:216.5/61

All: -0.007+/-0.003 χ^2/NDF: 303.4/117

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.721+/-0.005 χ^2/NDF: 3248730.7/32

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

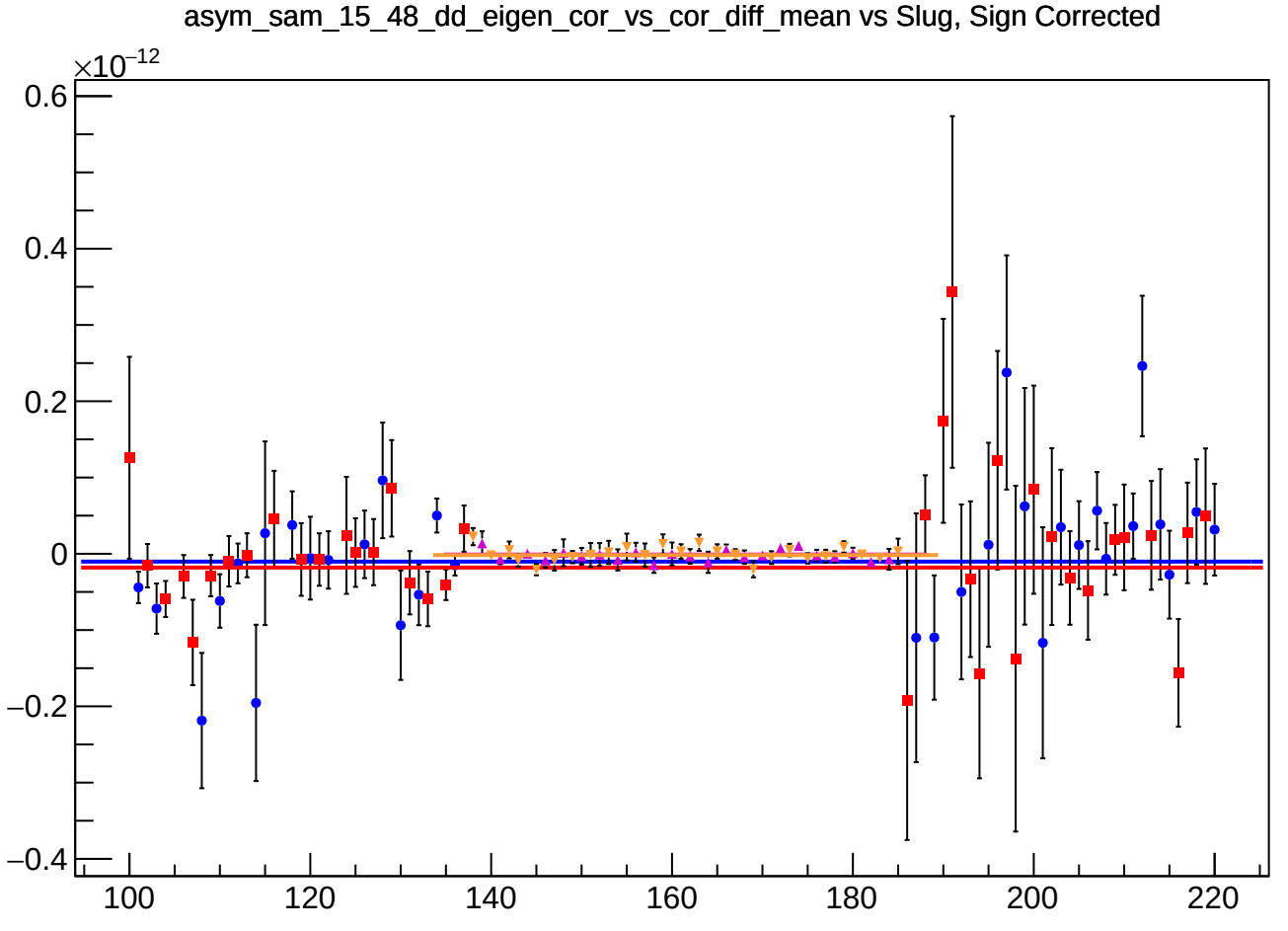
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.819+/-0.003 χ^2/NDF: 6327217.2/69

In: 27.630+/-0.003 χ^2/NDF:5884093.9/55

Out: 27.785+/-0.003 χ^2/NDF:7053387.5/61

All: 27.708+/-0.002 χ^2/NDF: 12938554.9/117



Right In: -0.000+/-0.000 χ^2/NDF: 49.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/36

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

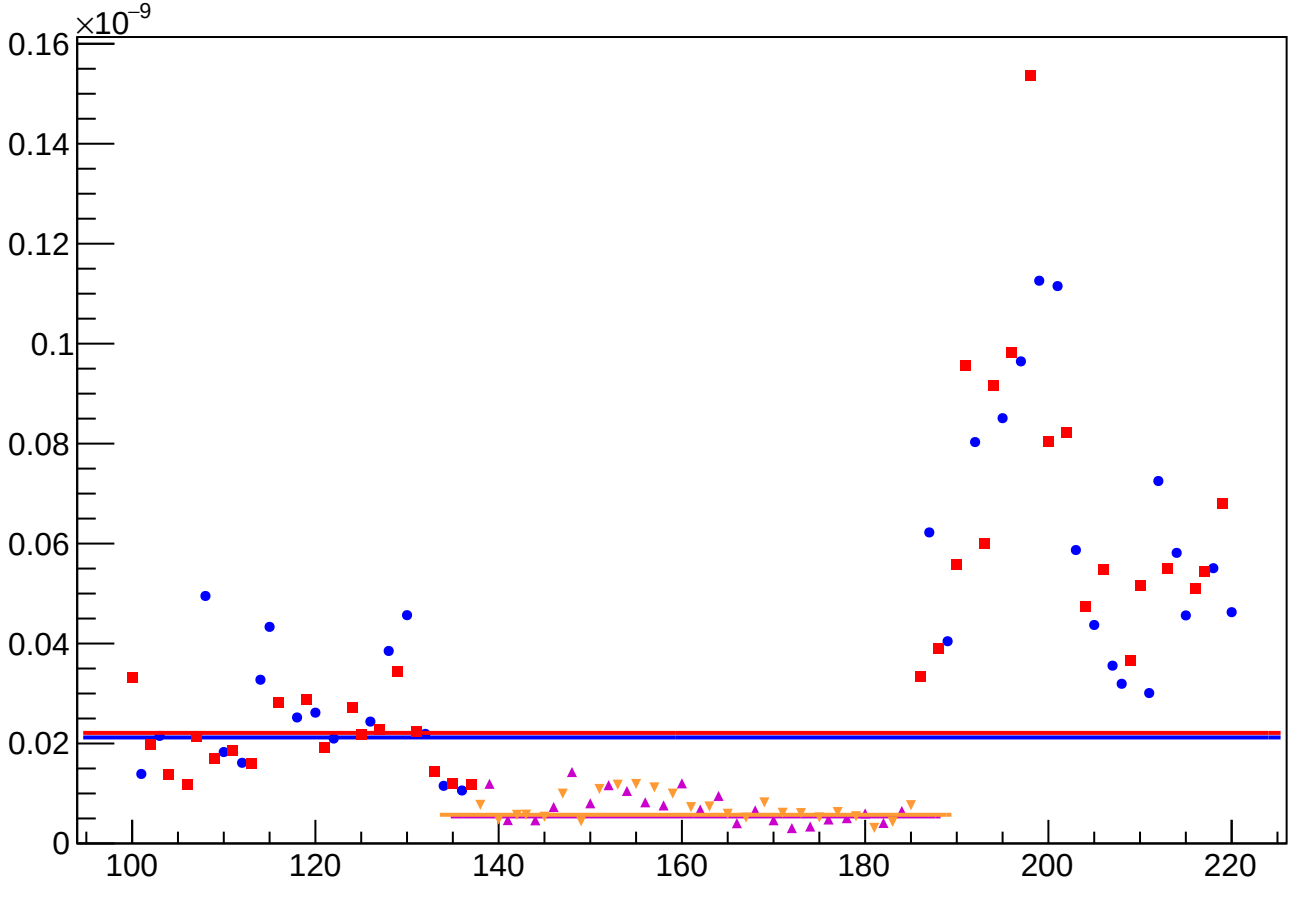
Right: -0.000+/-0.000 χ^2/NDF: 84.5/69

In: -0.000+/-0.000 χ^2/NDF:67.2/55

Out: -0.000+/-0.000 χ^2/NDF:64.0/61

All: -0.000+/-0.000 χ^2/NDF: 131.5/117

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9263004.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8385023.2/36

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

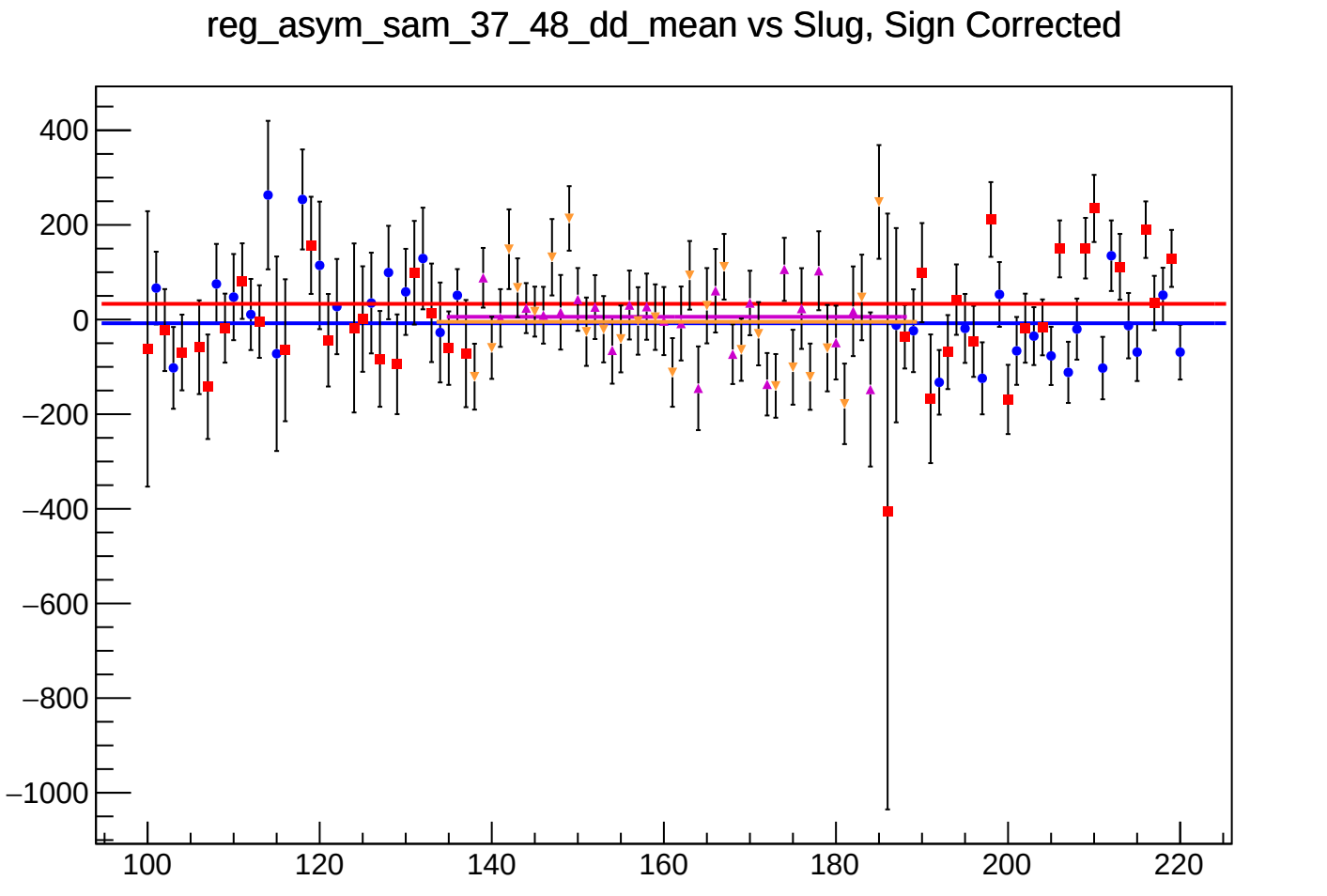
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

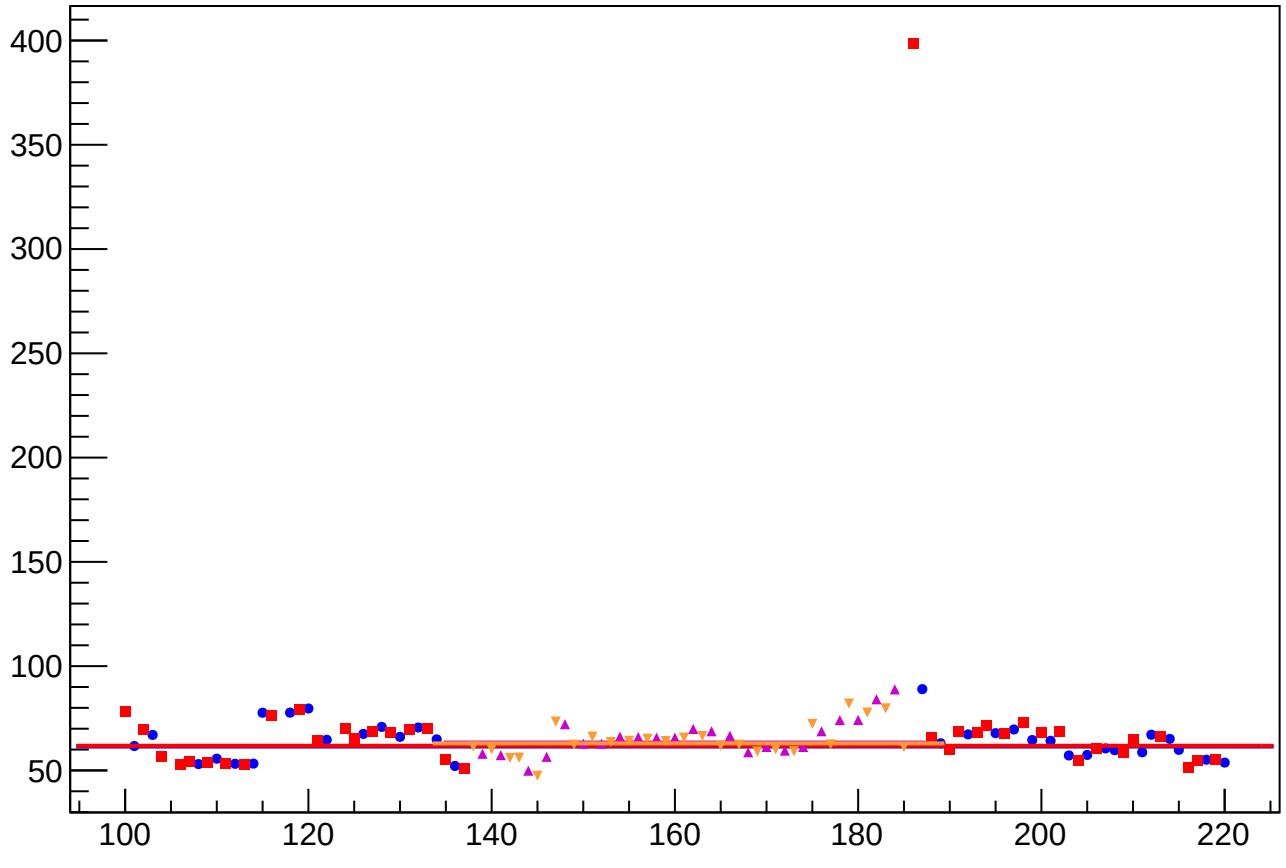
Right: 0.000+/-0.000 χ^2/NDF: 17664107.8/69

In: 0.000+/-0.000 χ^2/NDF:22173529.0/55

Out: 0.000+/-0.000 χ^2/NDF:20600637.8/61

All: 0.000+/-0.000 χ^2/NDF: 42810096.6/117


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: -7.813+/-13.492 χ²/NDF: 38.5/32
Left Out: -4.742+/-14.432 χ²/NDF:47.4/24
Right Out: 33.189+/-13.535 χ²/NDF: 61.5/36
Left In: 5.776+/-14.931 χ²/NDF:18.3/22
Left: 0.338+/-10.377 χ²/NDF: 65.9/47
Right: 12.623+/-9.556 χ²/NDF: 104.6/69
In: -1.705+/-10.011 χ²/NDF:57.2/55
Out: 15.439+/-9.872 χ²/NDF:112.6/61
All: 6.986+/-7.029 χ²/NDF: 171.3/117



Right In: 61.461+/-0.010 χ^2/NDF: 465582.9/32

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.812+/-0.010 χ^2/NDF: 1162944.9/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

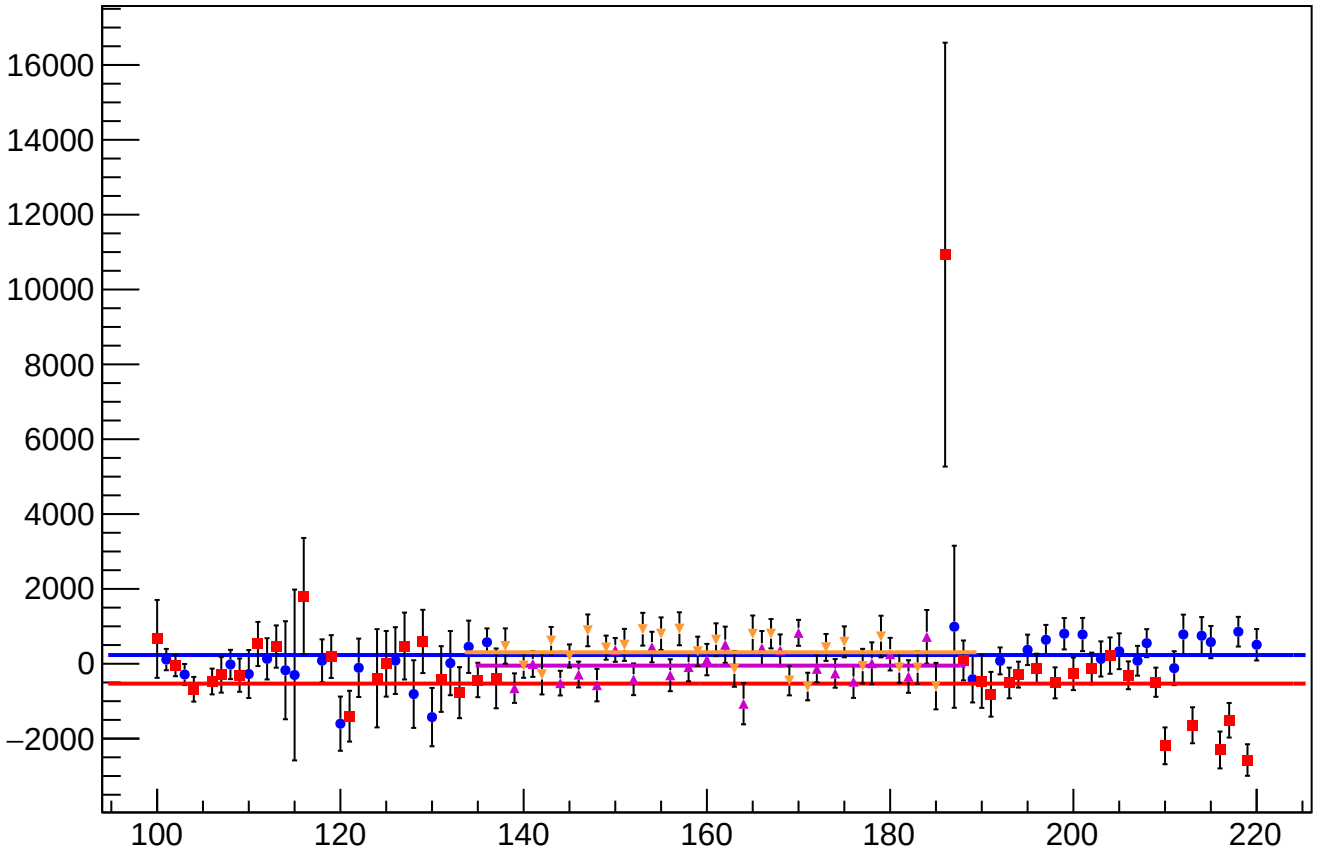
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.636+/-0.007 χ^2/NDF: 1629203.6/69

In: 62.317+/-0.007 χ^2/NDF:980422.5/55

Out: 62.357+/-0.007 χ^2/NDF:1696727.1/61

All: 62.337+/-0.005 χ^2/NDF: 2677165.7/117



Right In: 233.273+/-82.954 χ^2/NDF: 31.6/32

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -530.563+/-80.840 χ^2/NDF: 89.3/36

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

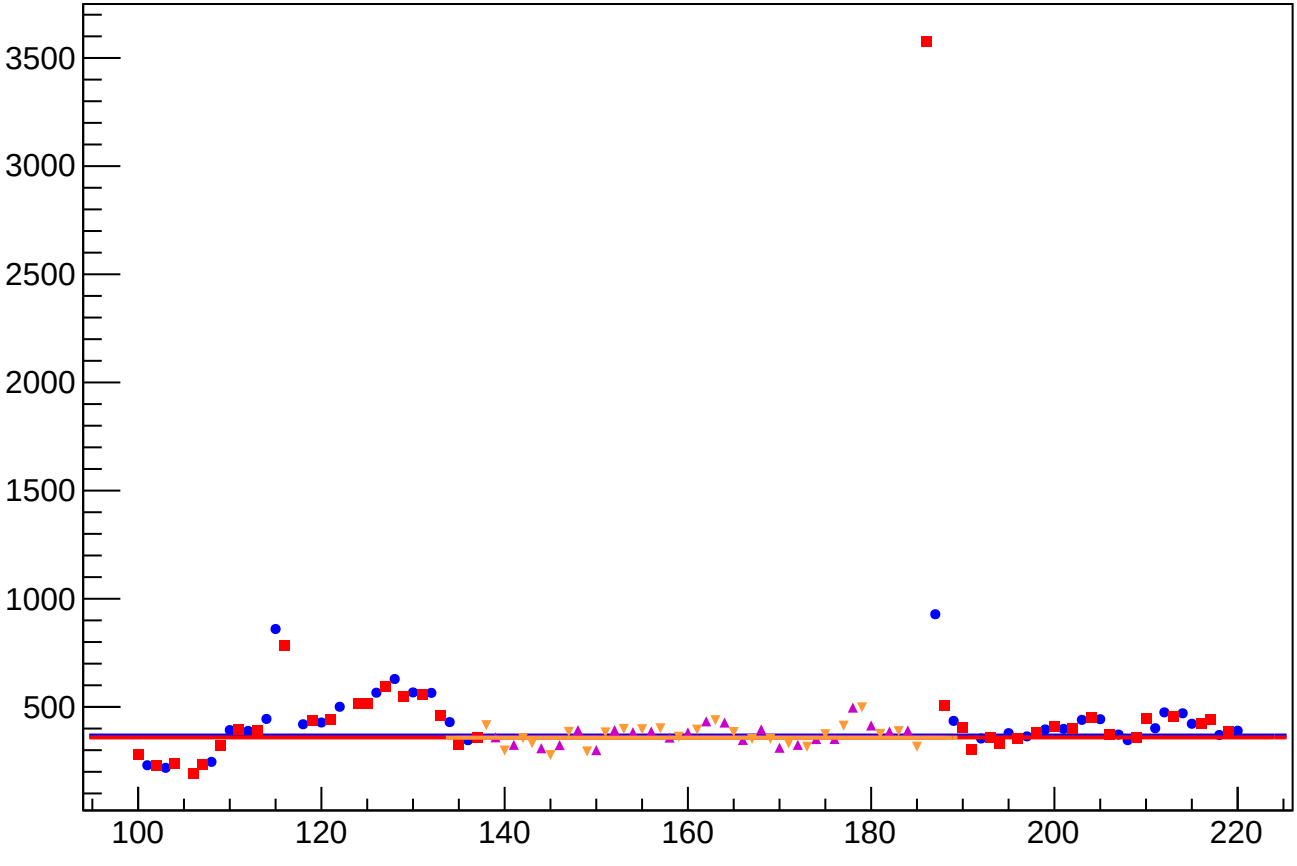
Right: -158.500+/-57.895 χ^2/NDF: 164.4/69

In: 94.803+/-59.312 χ^2/NDF:64.6/55

Out: -119.498+/-57.693 χ^2/NDF:172.6/61

All: -15.313+/-41.356 χ^2/NDF: 243.9/117

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 367.755+/-0.059 χ^2/NDF: 2440185.1/32

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 358.979+/-0.057 χ^2/NDF: 3281536.0/36

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

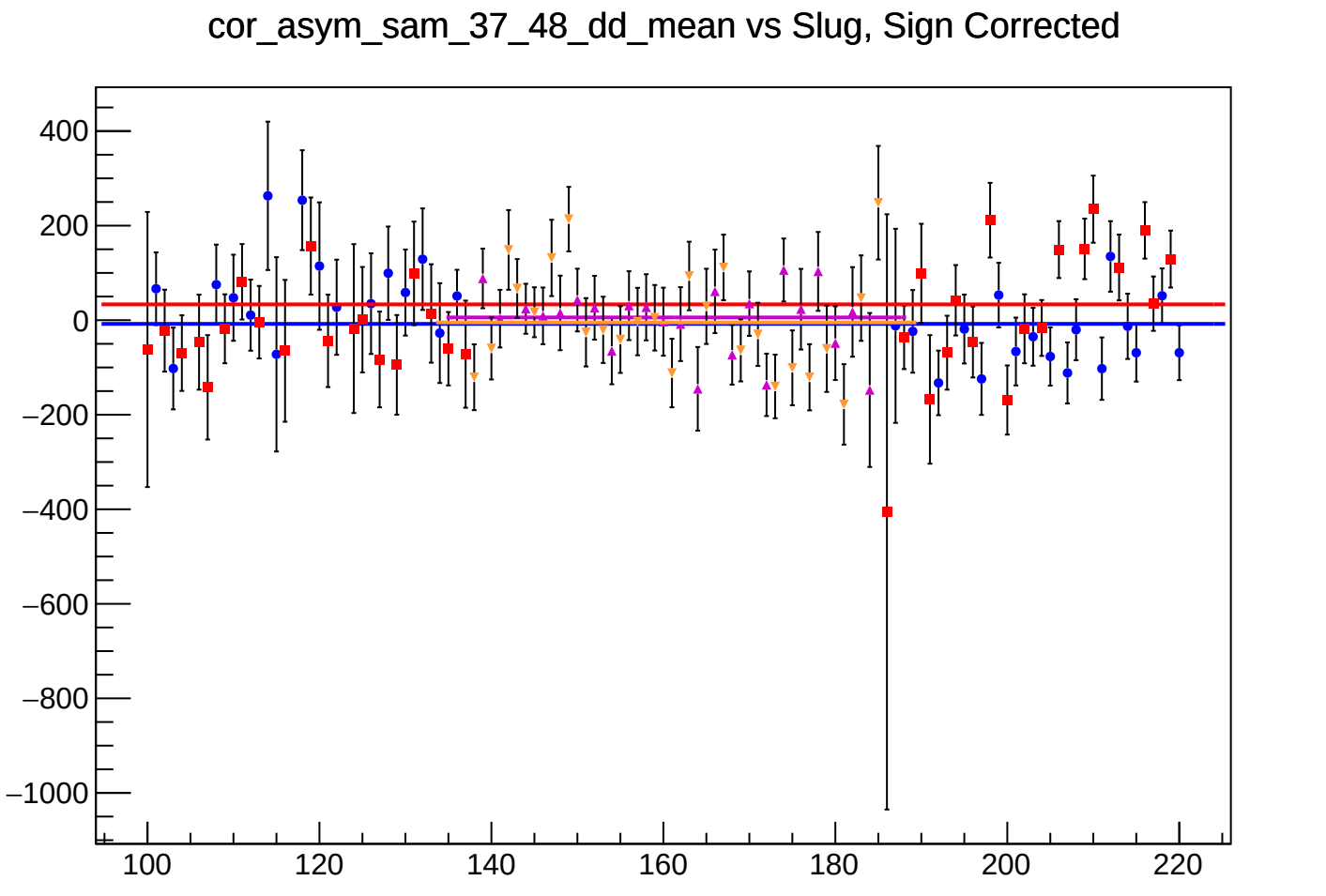
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 363.254+/-0.041 χ^2/NDF: 5733201.9/69

In: 363.647+/-0.042 χ^2/NDF:2969981.3/55

Out: 358.367+/-0.041 χ^2/NDF:3965500.3/61

All: 360.934+/-0.029 χ^2/NDF: 6943625.5/117



Right In: -7.817+/-13.492 χ^2/NDF: 38.5/32

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 33.456+/-13.538 χ^2/NDF: 61.3/36

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

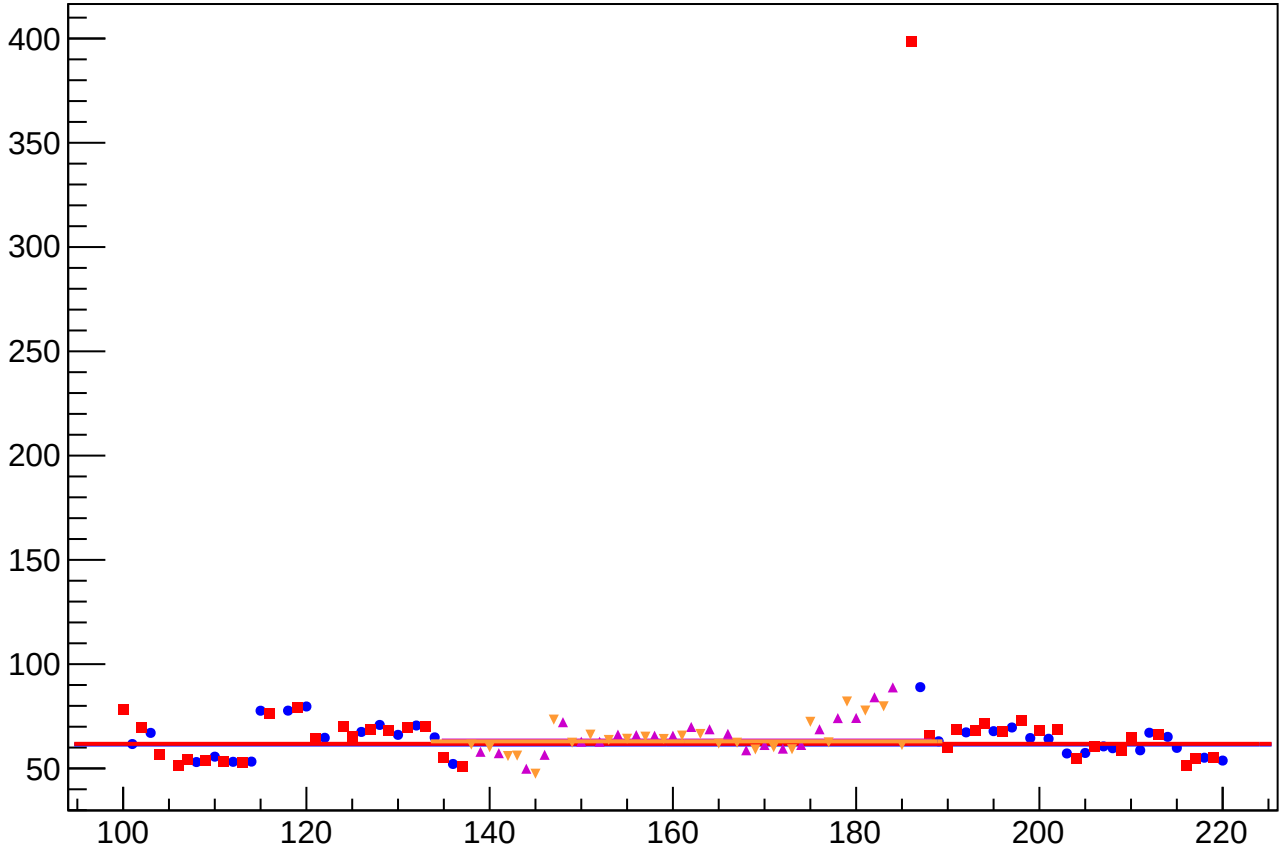
Right: 12.749+/-9.557 χ^2/NDF: 104.5/69

In: -1.707+/-10.011 χ^2/NDF:57.2/55

Out: 15.573+/-9.874 χ^2/NDF:112.4/61

All: 7.052+/-7.030 χ^2/NDF: 171.1/117

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.461+/-0.010 χ^2/NDF: 465583.1/32

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

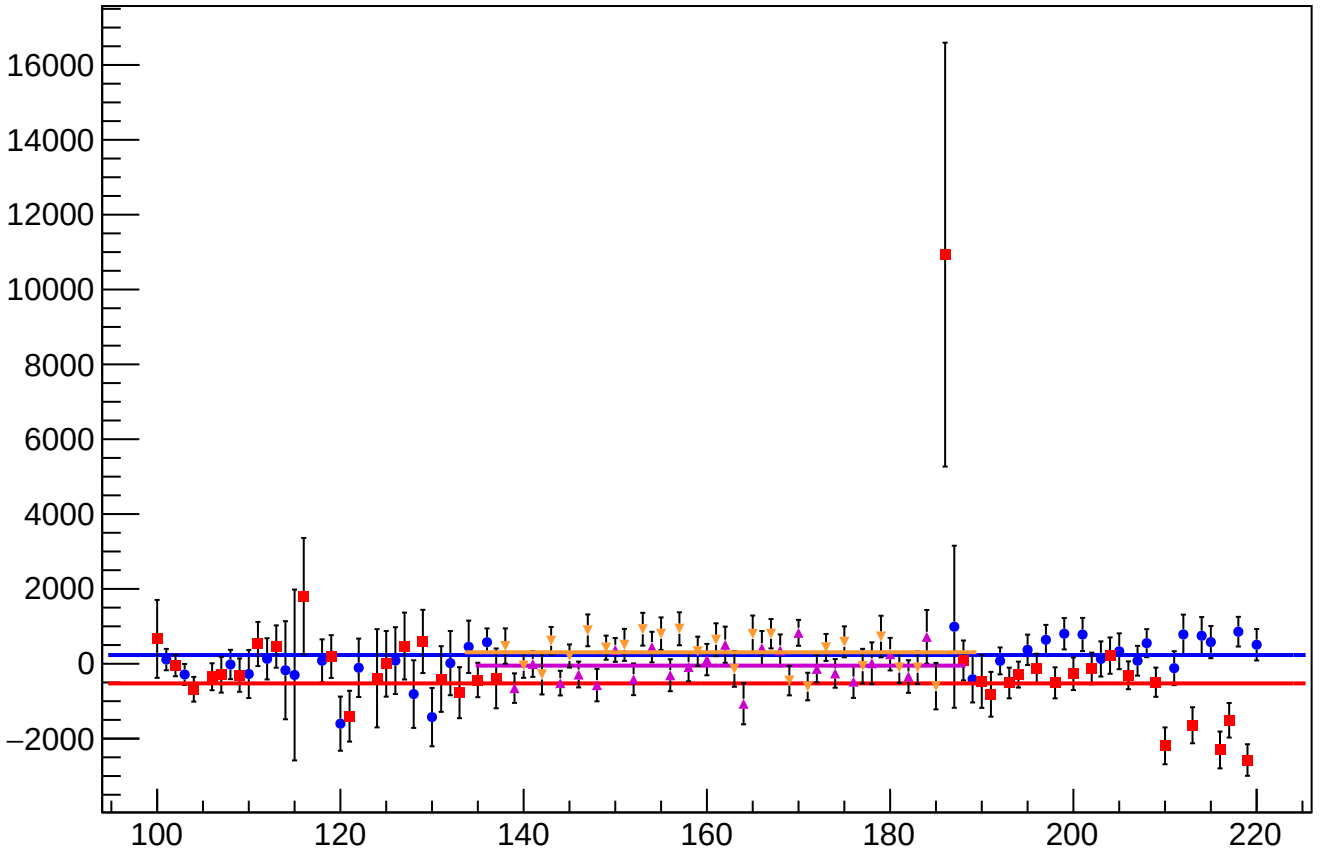
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.629+/-0.007 χ^2/NDF: 1632817.2/69

In: 62.317+/-0.007 χ^2/NDF:980422.7/55

Out: 62.349+/-0.007 χ^2/NDF:1700562.7/61

All: 62.333+/-0.005 χ^2/NDF: 2680996.1/117



Right In: 233.278+/-82.954 χ^2/NDF: 31.6/32

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -524.582+/-81.039 χ^2/NDF: 89.5/36

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

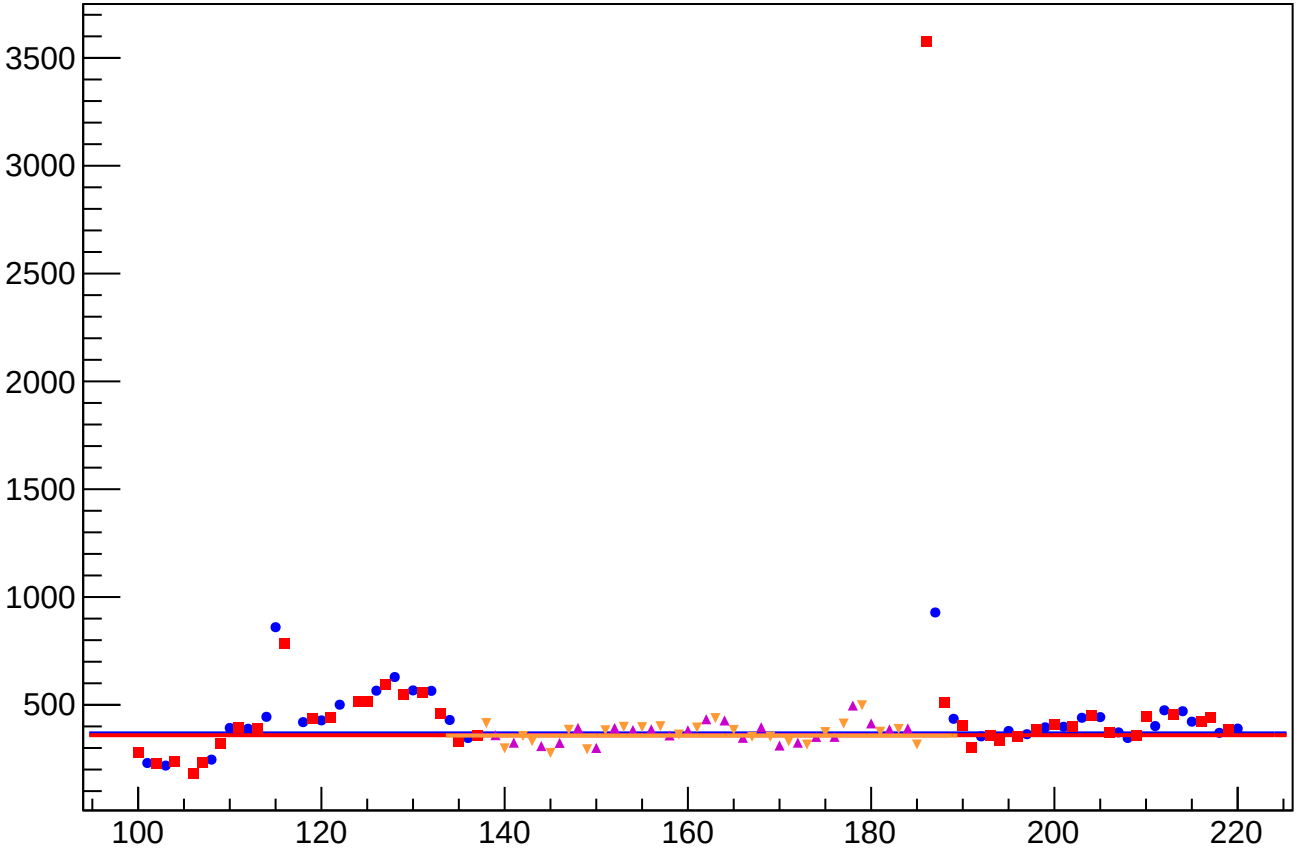
Right: -154.500+/-57.968 χ^2/NDF: 163.8/69

In: 94.806+/-59.312 χ^2/NDF:64.6/55

Out: -115.433+/-57.765 χ^2/NDF:172.0/61

All: -13.092+/-41.382 χ^2/NDF: 243.0/117

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 367.757+/-0.059 χ^2/NDF: 2440093.6/32

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

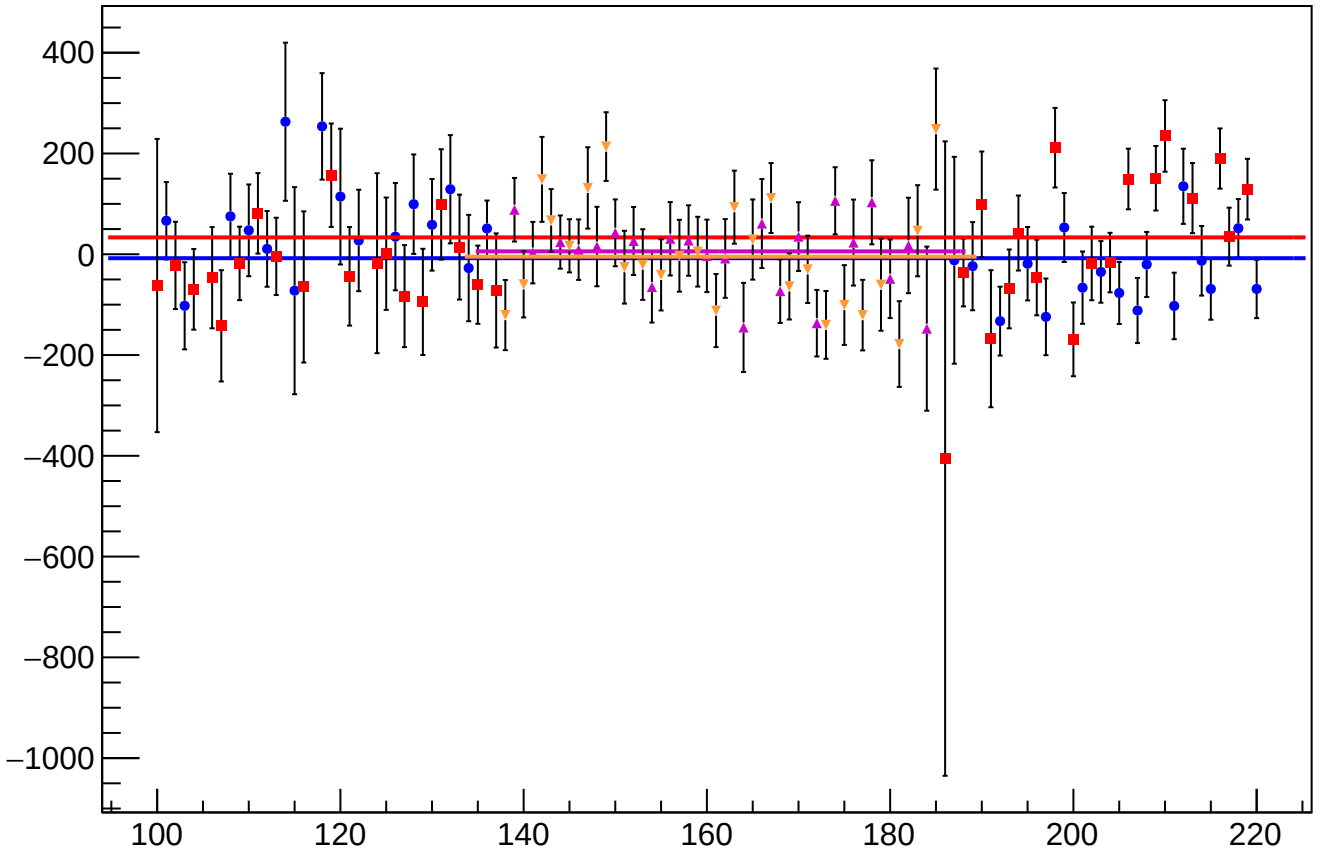
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 363.421+/-0.041 χ^2/NDF: 5745385.3/69

In: 363.648+/-0.042 χ^2/NDF:2969895.8/55

Out: 358.520+/-0.041 χ^2/NDF:3978703.6/61

All: 361.016+/-0.029 χ^2/NDF: 6956270.1/117



Right In: -7.817+/-13.492 χ^2/NDF: 38.5/32

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 33.456+/-13.538 χ^2/NDF: 61.3/36

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

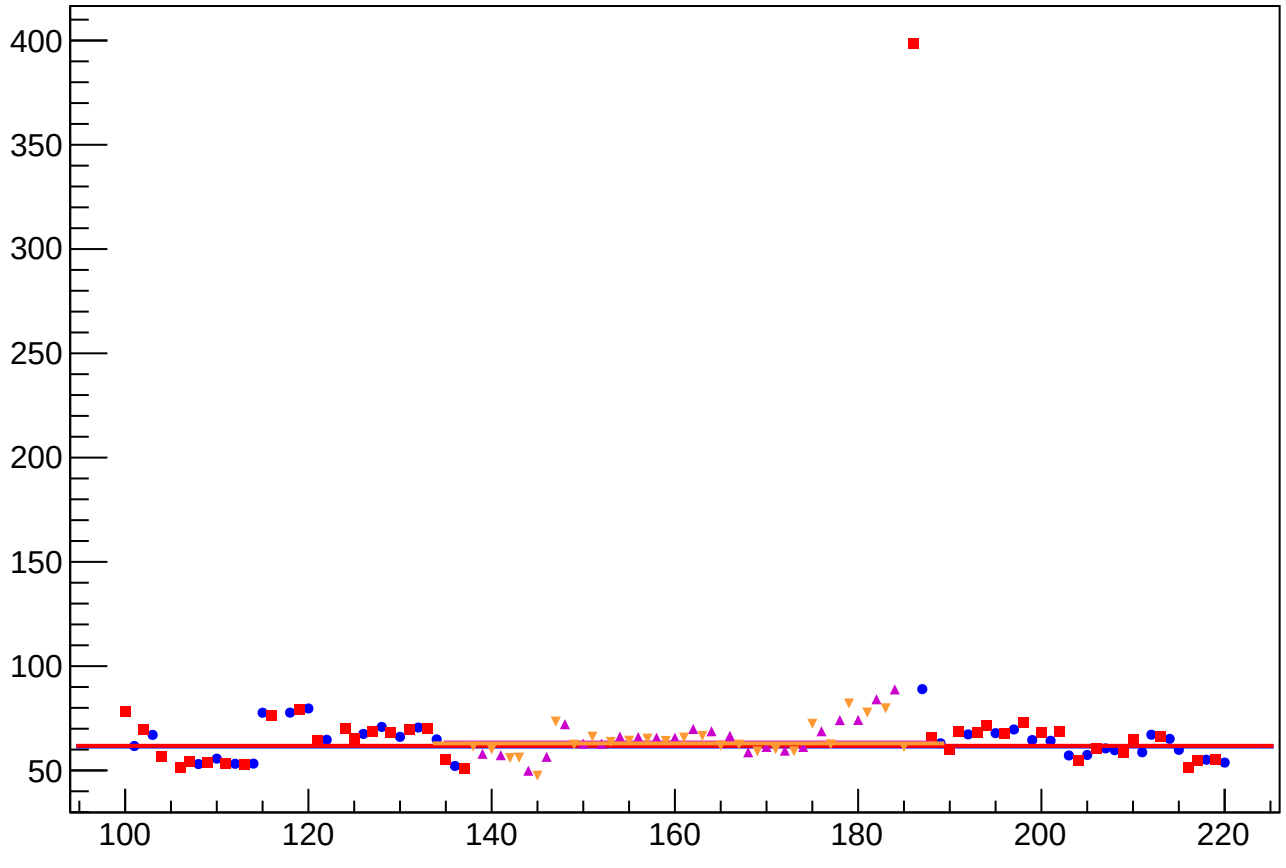
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 12.749+/-9.557 χ^2/NDF: 104.5/69

In: -1.707+/-10.011 χ^2/NDF:57.2/55

Out: 15.573+/-9.874 χ^2/NDF:112.4/61

All: 7.052+/-7.030 χ^2/NDF: 171.1/117



Right In: 61.461+/-0.010 χ^2/NDF: 465583.1/32

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

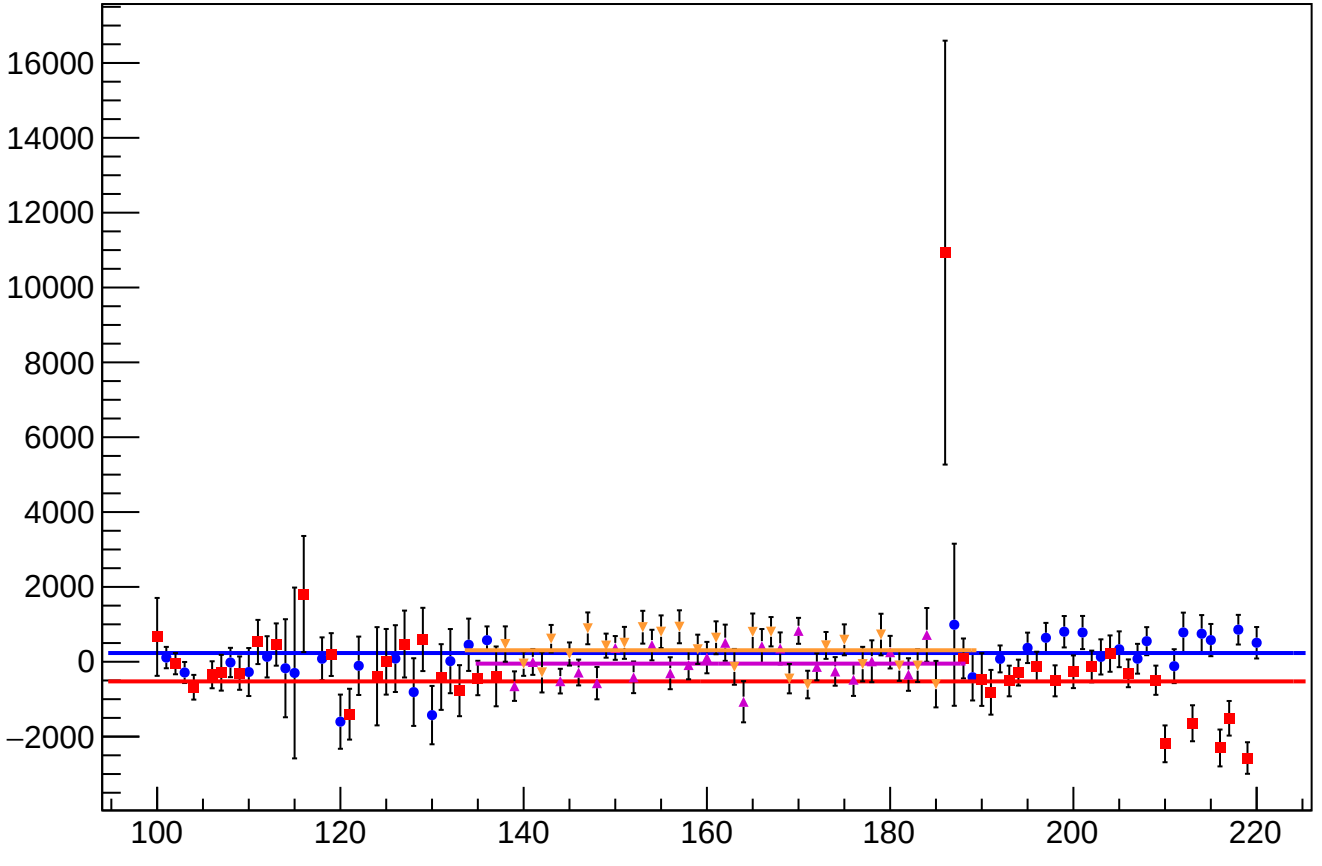
Right: 61.629+/-0.007 χ^2/NDF: 1632817.2/69

In: 62.317+/-0.007 χ^2/NDF:980422.7/55

Out: 62.349+/-0.007 χ^2/NDF:1700562.7/61

All: 62.333+/-0.005 χ^2/NDF: 2680996.1/117

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 233.278+/-82.954 χ^2/NDF: 31.6/32

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -524.582+/-81.039 χ^2/NDF: 89.5/36

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

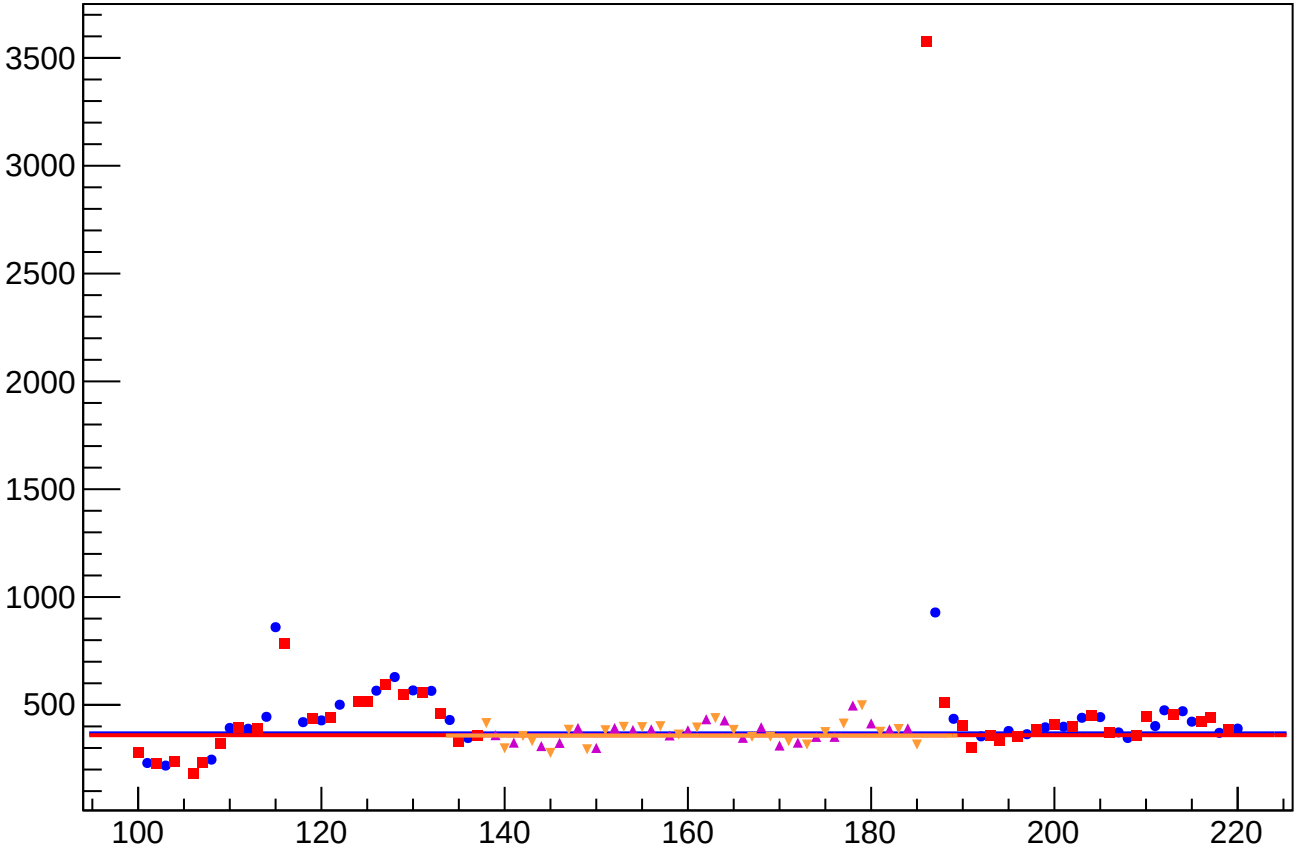
Right: -154.500+/-57.968 χ^2/NDF: 163.8/69

In: 94.806+/-59.312 χ^2/NDF:64.6/55

Out: -115.433+/-57.765 χ^2/NDF:172.0/61

All: -13.092+/-41.382 χ^2/NDF: 243.0/117

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 367.757+/-0.059 χ^2/NDF: 2440093.6/32

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

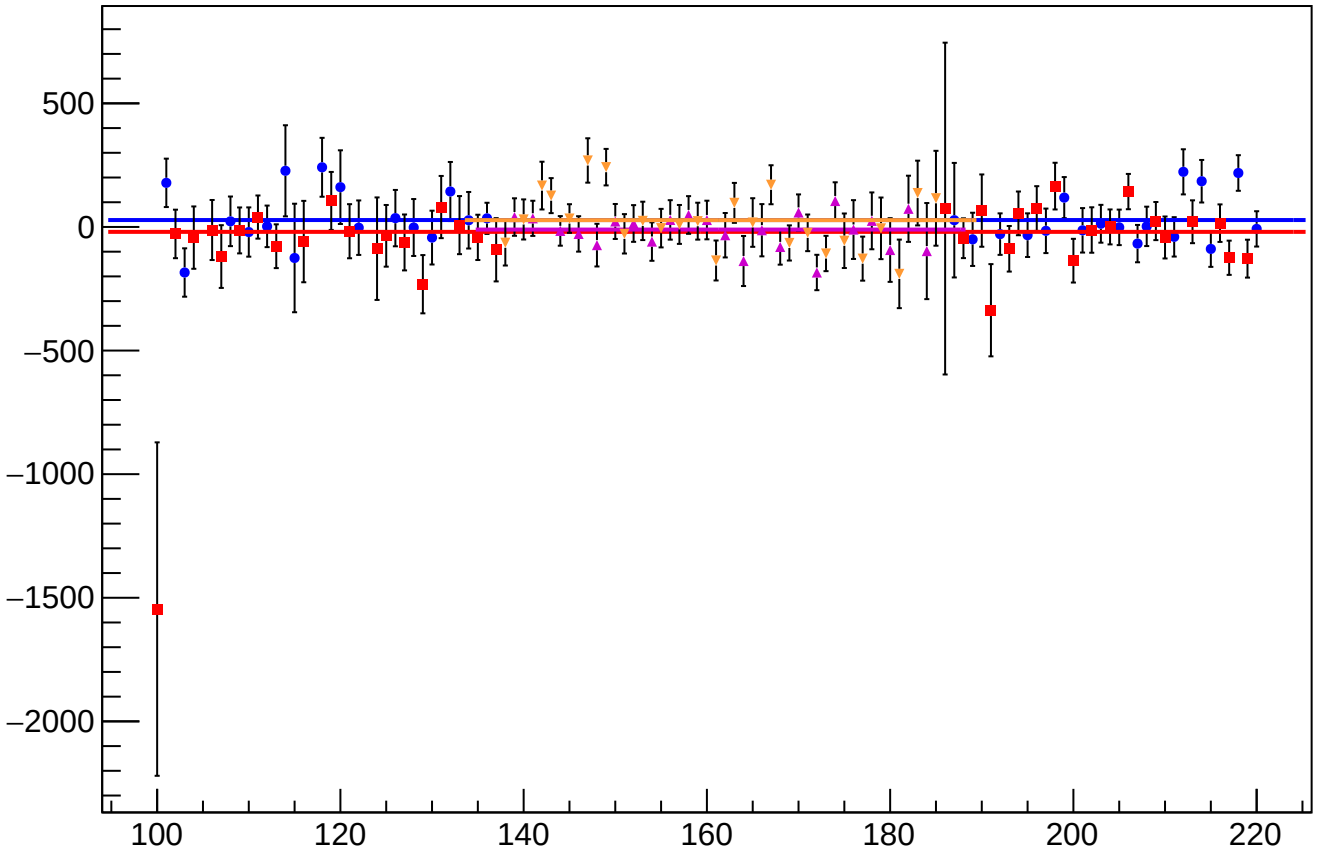
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 363.421+/-0.041 χ^2/NDF: 5745385.3/69

In: 363.648+/-0.042 χ^2/NDF:2969895.8/55

Out: 358.520+/-0.041 χ^2/NDF:3978703.6/61

All: 361.016+/-0.029 χ^2/NDF: 6956270.1/117



Right In: 27.987+/-16.036 χ^2/NDF: 38.0/32

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -19.846+/-16.293 χ^2/NDF: 34.2/36

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

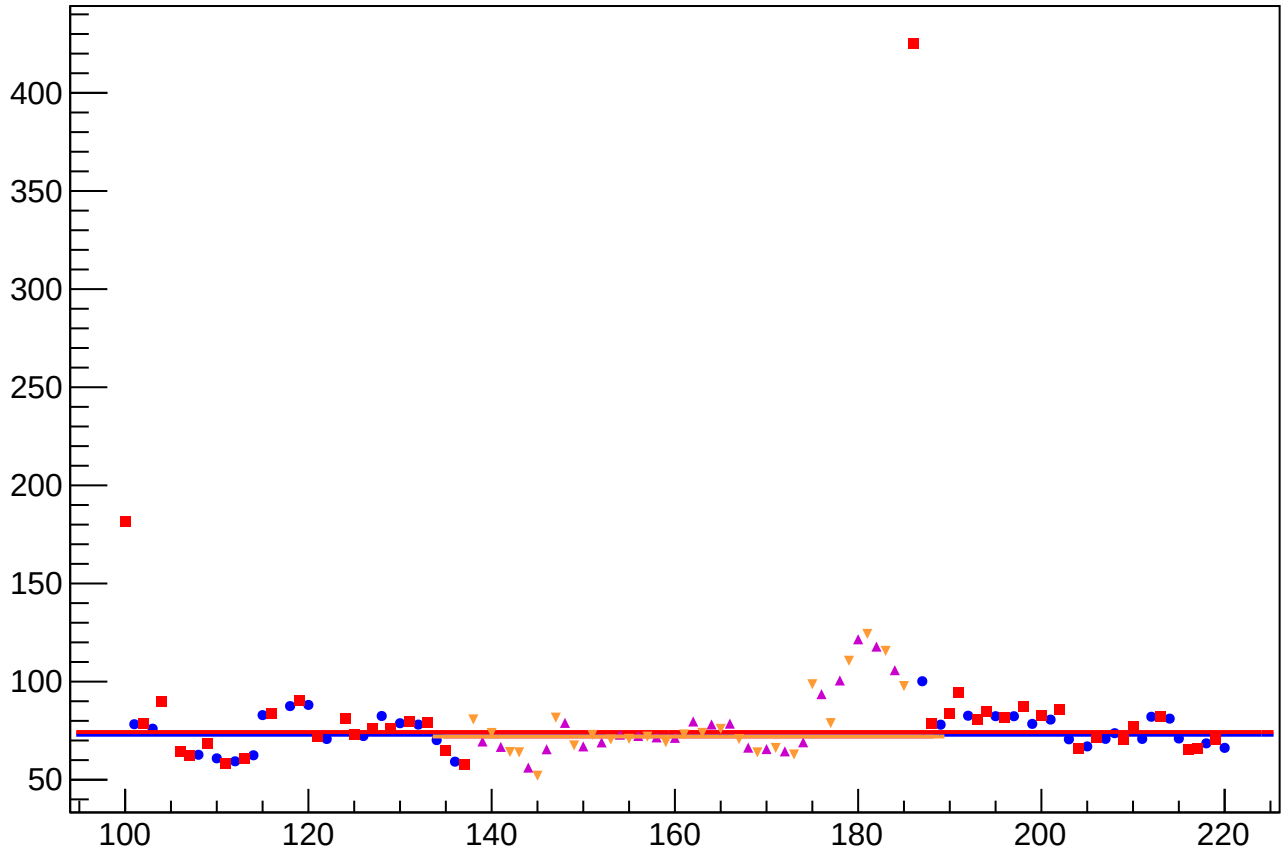
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 4.451+/-11.429 χ^2/NDF: 76.6/69

In: 10.108+/-11.737 χ^2/NDF:56.8/55

Out: 3.245+/-11.676 χ^2/NDF:80.6/61

All: 6.659+/-8.278 χ^2/NDF: 137.6/117



Right In: 72.945+/-0.011 χ^2/NDF: 501950.5/32

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 74.302+/-0.012 χ^2/NDF: 1188644.8/36

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

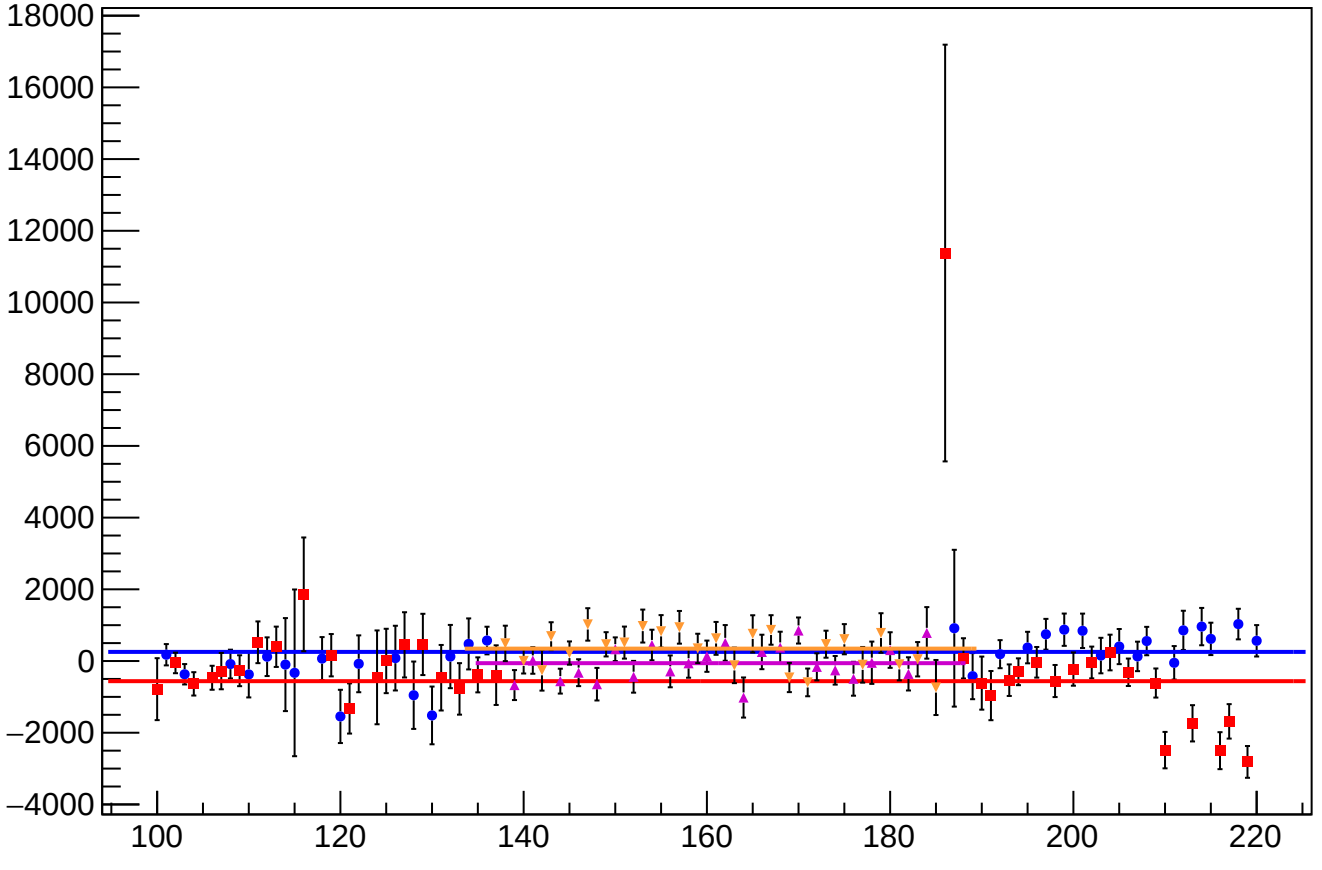
Right: 73.613+/-0.008 χ^2/NDF: 1697644.4/69

In: 72.549+/-0.008 χ^2/NDF:1563435.5/55

Out: 73.202+/-0.008 χ^2/NDF:2476862.1/61

All: 72.877+/-0.006 χ^2/NDF: 4043410.8/117

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 254.644+/-86.570 χ^2/NDF: 35.0/32

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -561.802+/-83.520 χ^2/NDF: 96.8/36

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

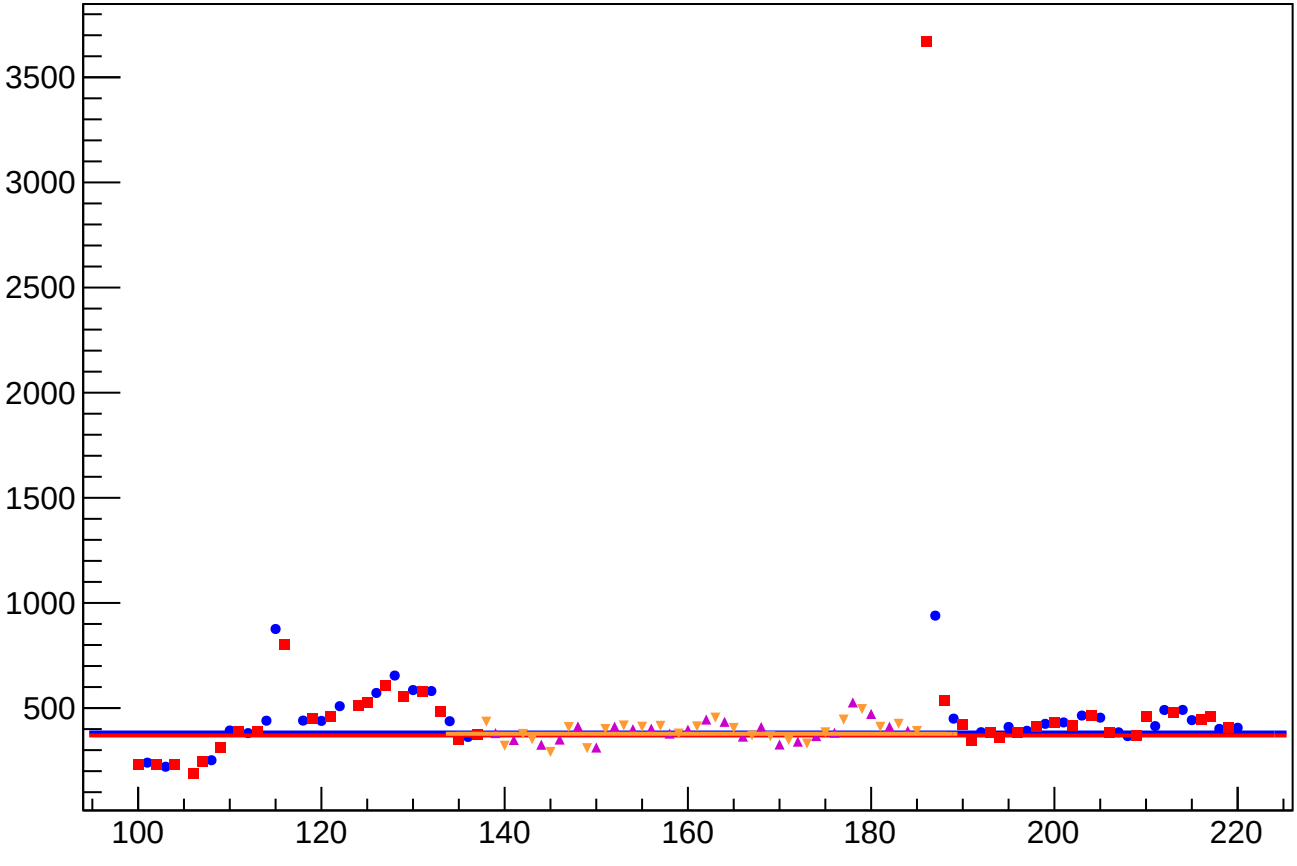
Right: -168.219+/-60.107 χ^2/NDF: 177.8/69

In: 102.445+/-62.195 χ^2/NDF:67.2/55

Out: -125.509+/-60.191 χ^2/NDF:182.5/61

All: -15.263+/-43.252 χ^2/NDF: 256.6/117

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 383.771+/-0.061 χ^2/NDF: 2513240.8/32

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 369.656+/-0.059 χ^2/NDF: 3597590.8/36

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

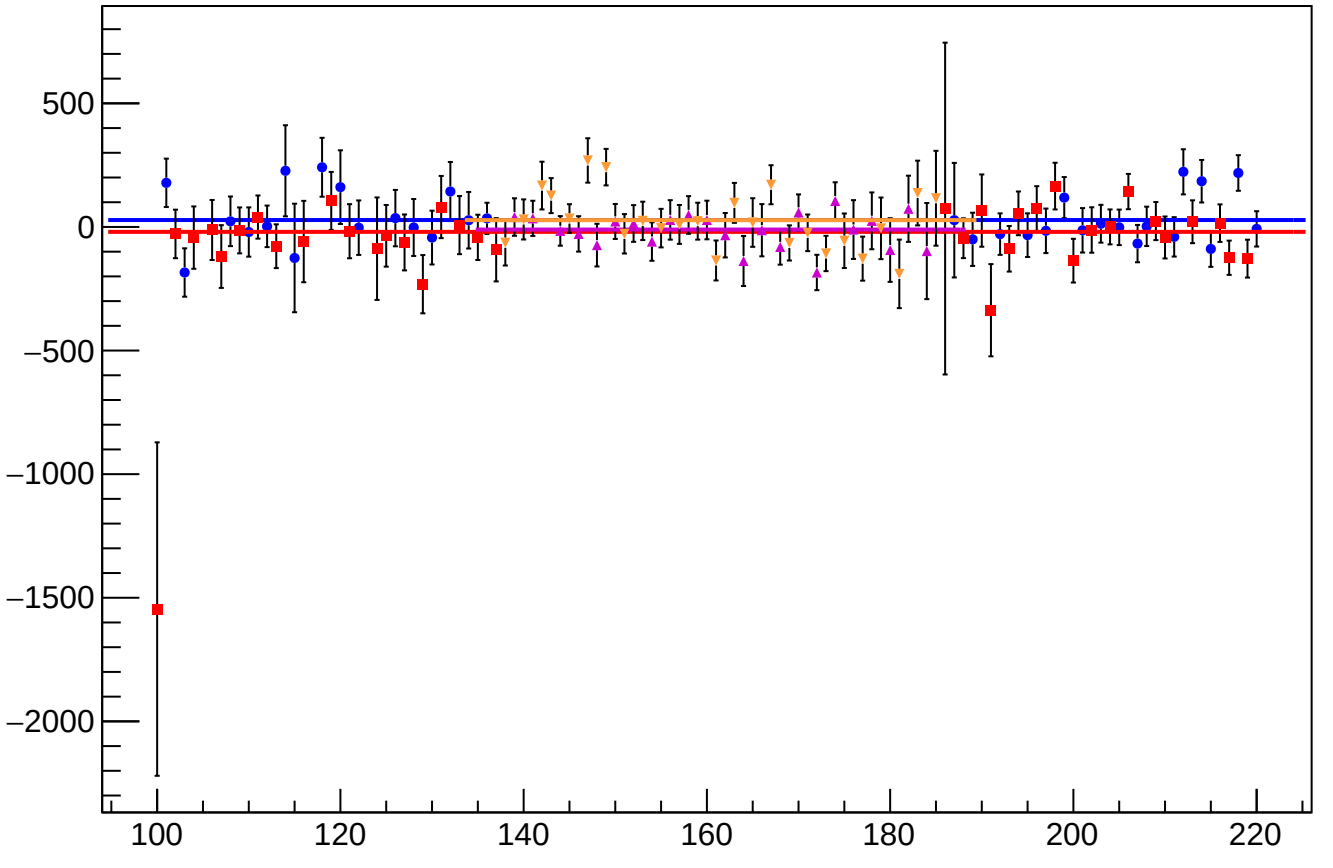
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 376.461+/-0.043 χ^2/NDF: 6138369.6/69

In: 381.399+/-0.044 χ^2/NDF:3044028.7/55

Out: 373.569+/-0.043 χ^2/NDF:4243437.8/61

All: 377.356+/-0.031 χ^2/NDF: 7303837.9/117



Right In: 27.987+/-16.036 χ^2/NDF: 38.0/32

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -19.845+/-16.293 χ^2/NDF: 34.2/36

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

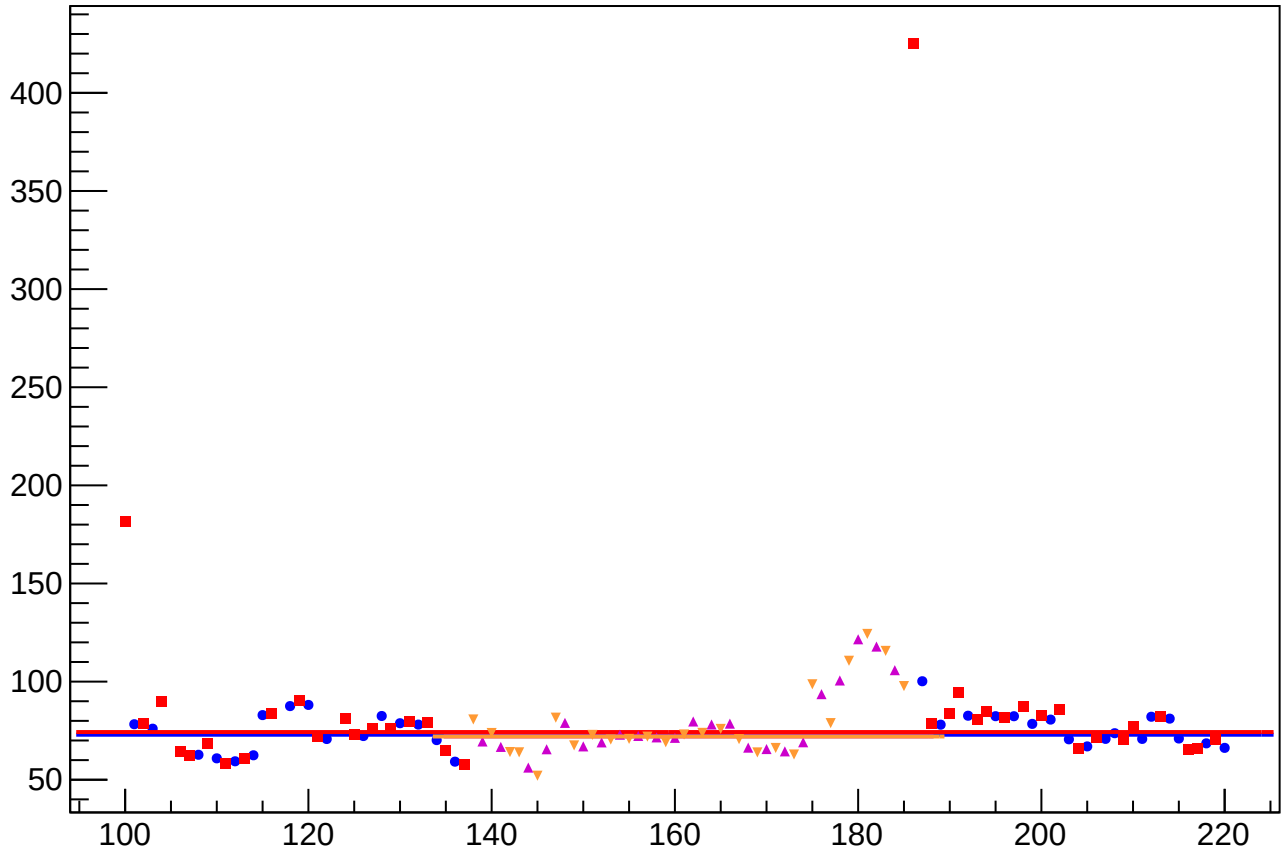
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 4.451+/-11.429 χ^2/NDF: 76.6/69

In: 10.108+/-11.737 χ^2/NDF:56.8/55

Out: 3.245+/-11.676 χ^2/NDF:80.6/61

All: 6.659+/-8.278 χ^2/NDF: 137.6/117



Right In: 72.945+/-0.011 χ^2/NDF: 501956.4/32

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 74.302+/-0.012 χ^2/NDF: 1188644.6/36

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

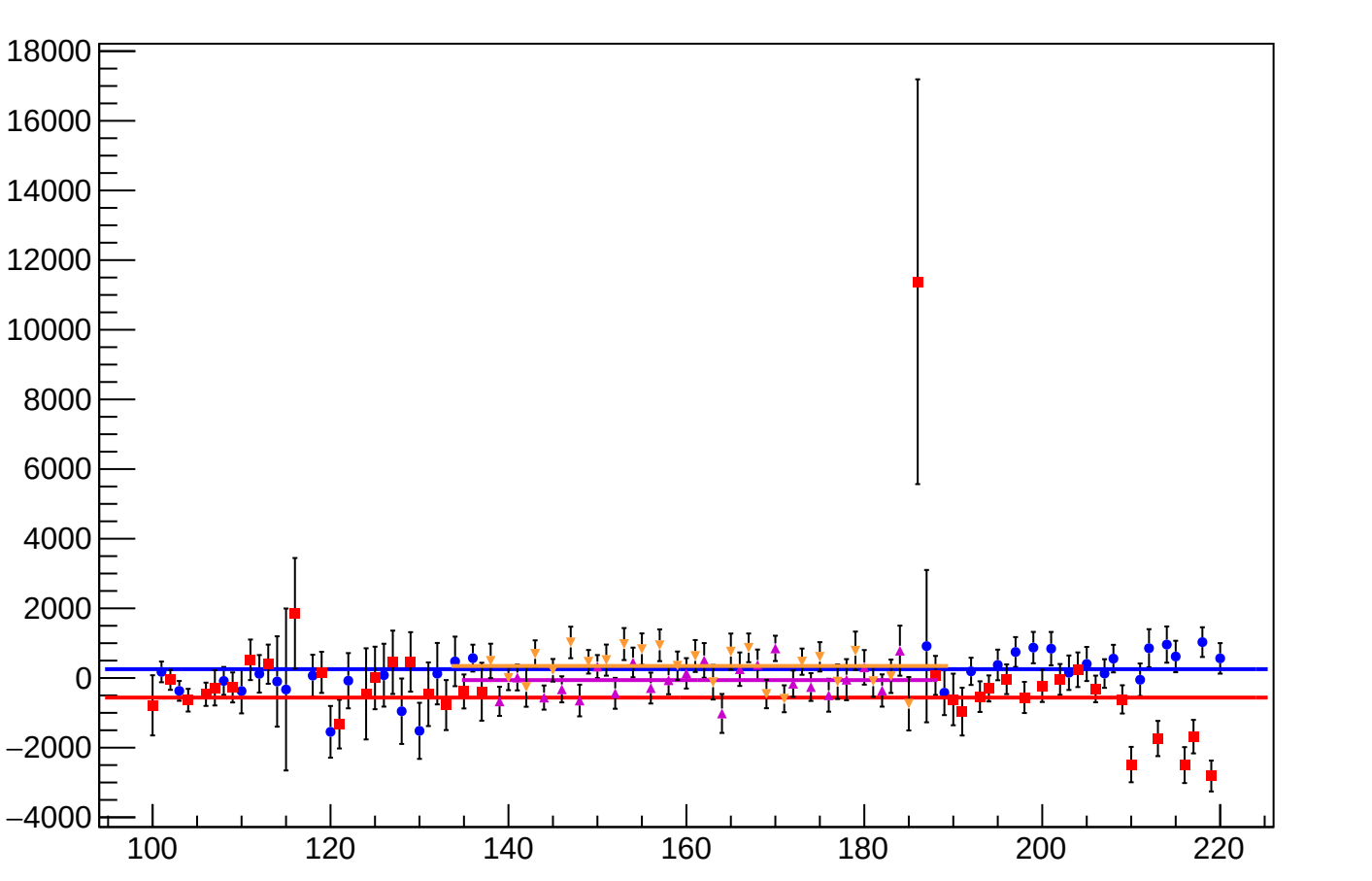
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 73.613+/-0.008 χ^2/NDF: 1697650.7/69

In: 72.549+/-0.008 χ^2/NDF:1563430.7/55

Out: 73.202+/-0.008 χ^2/NDF:2476867.5/61

All: 72.877+/-0.006 χ^2/NDF: 4043411.7/117



Right In: 254.644+/-86.570 χ^2/NDF: 35.0/32

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -561.802+/-83.519 χ^2/NDF: 96.8/36

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

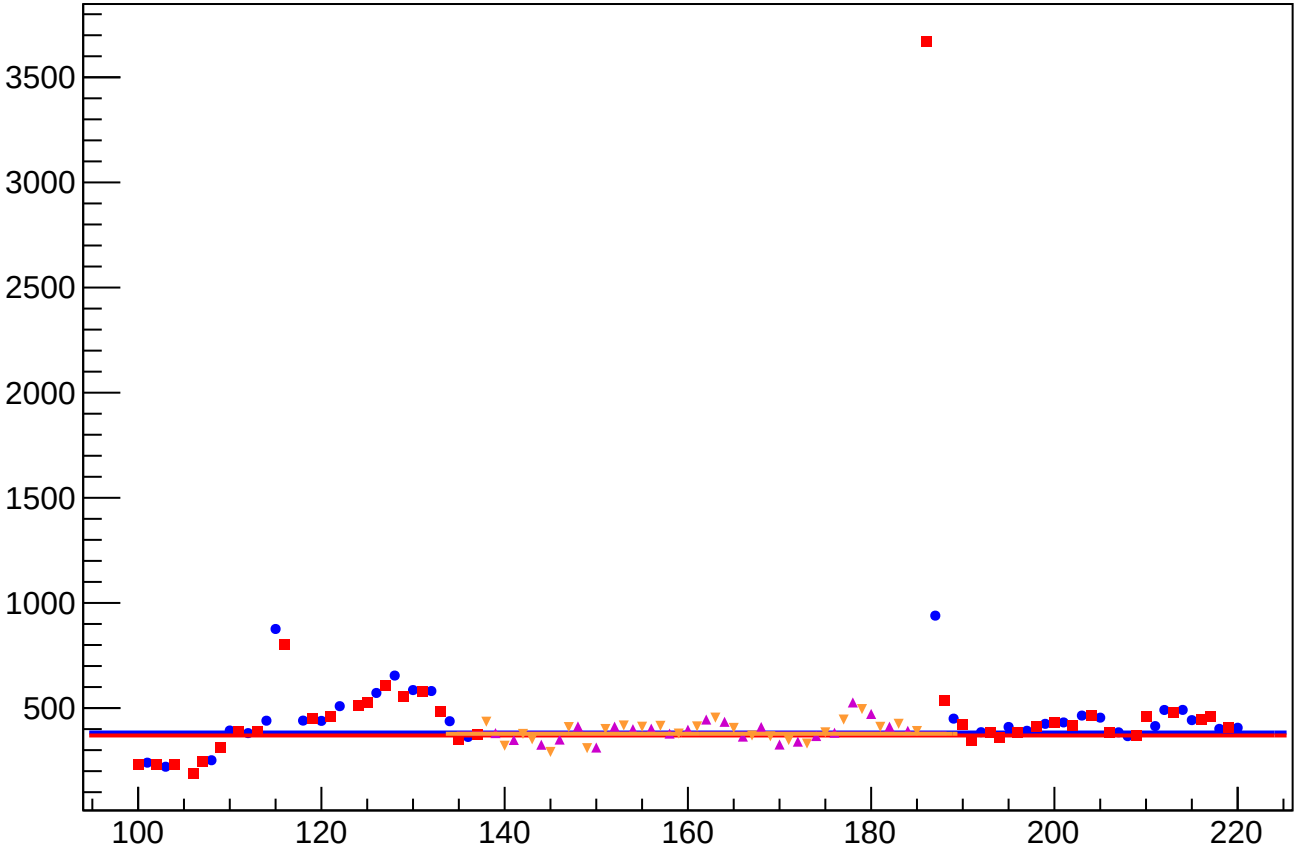
Right: -168.219+/-60.107 χ^2/NDF: 177.8/69

In: 102.445+/-62.195 χ^2/NDF:67.2/55

Out: -125.509+/-60.191 χ^2/NDF:182.5/61

All: -15.263+/-43.252 χ^2/NDF: 256.6/117

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 383.771+/-0.061 χ^2/NDF: 2513224.4/32

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 369.656+/-0.059 χ^2/NDF: 3597574.7/36

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

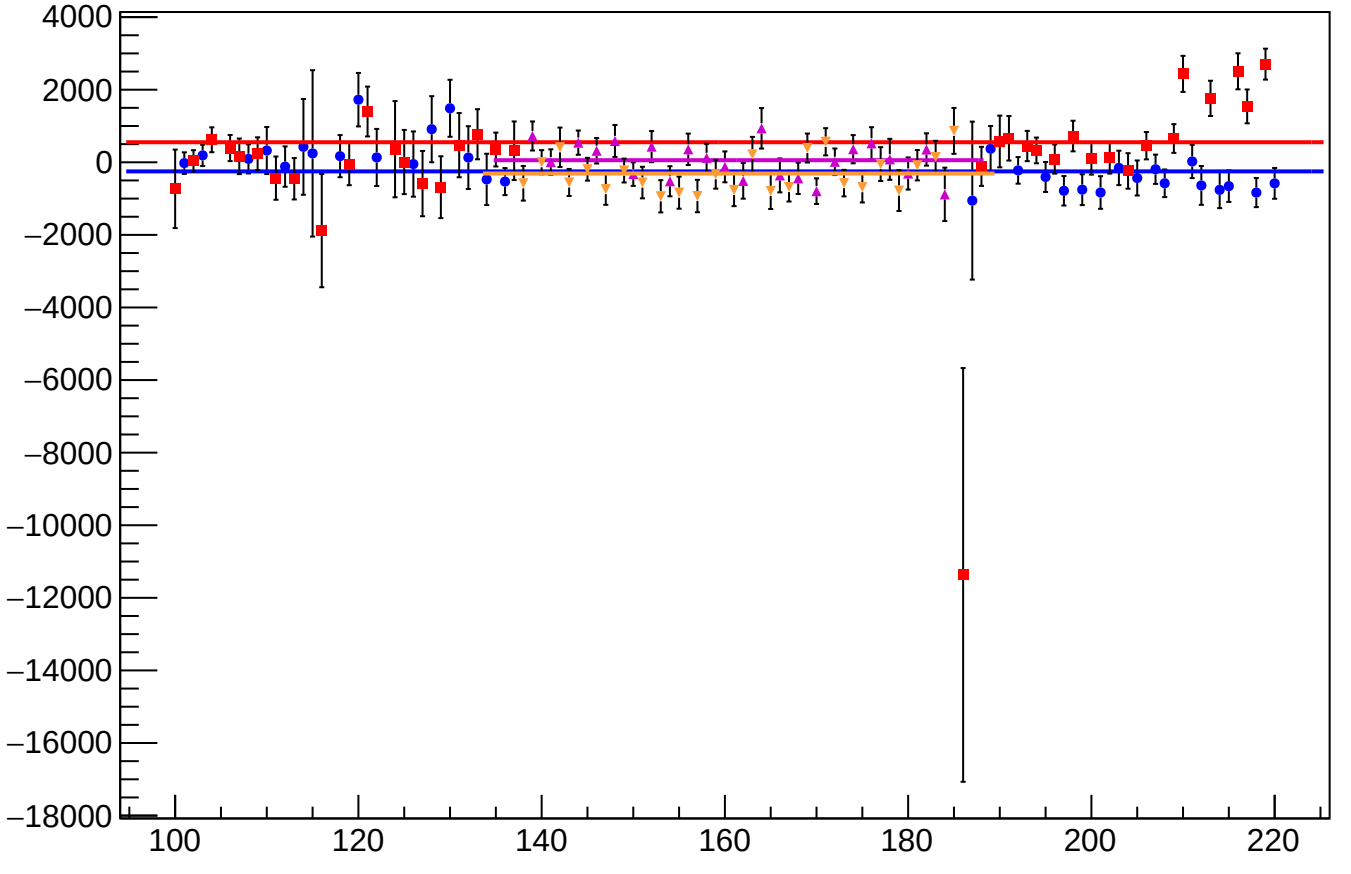
Right: 376.460+/-0.043 χ^2/NDF: 6138337.7/69

In: 381.399+/-0.044 χ^2/NDF:3044008.3/55

Out: 373.568+/-0.043 χ^2/NDF:4243421.4/61

All: 377.356+/-0.031 χ^2/NDF: 7303801.6/117

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -250.583+/-84.475 χ^2/NDF: 32.6/32

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 552.690+/-82.466 χ^2/NDF: 99.9/36

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

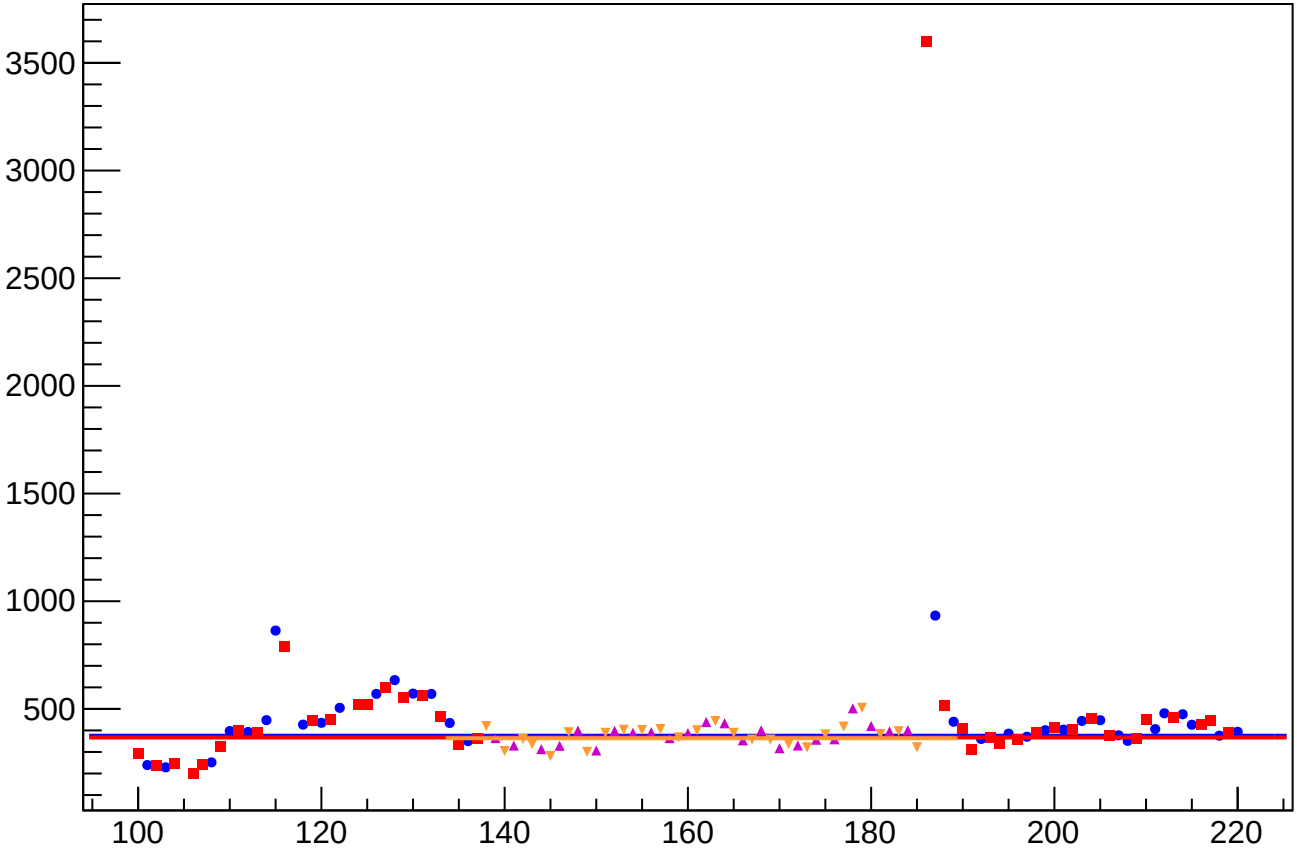
Right: 160.716+/-59.010 χ^2/NDF: 178.9/69

In: -99.678+/-60.342 χ^2/NDF:67.1/55

Out: 128.108+/-58.746 χ^2/NDF:183.7/61

All: 17.267+/-42.092 χ^2/NDF: 258.2/117

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 375.411+/-0.060 χ^2/NDF: 2255538.4/32

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 367.239+/-0.058 χ^2/NDF: 3064551.5/36

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

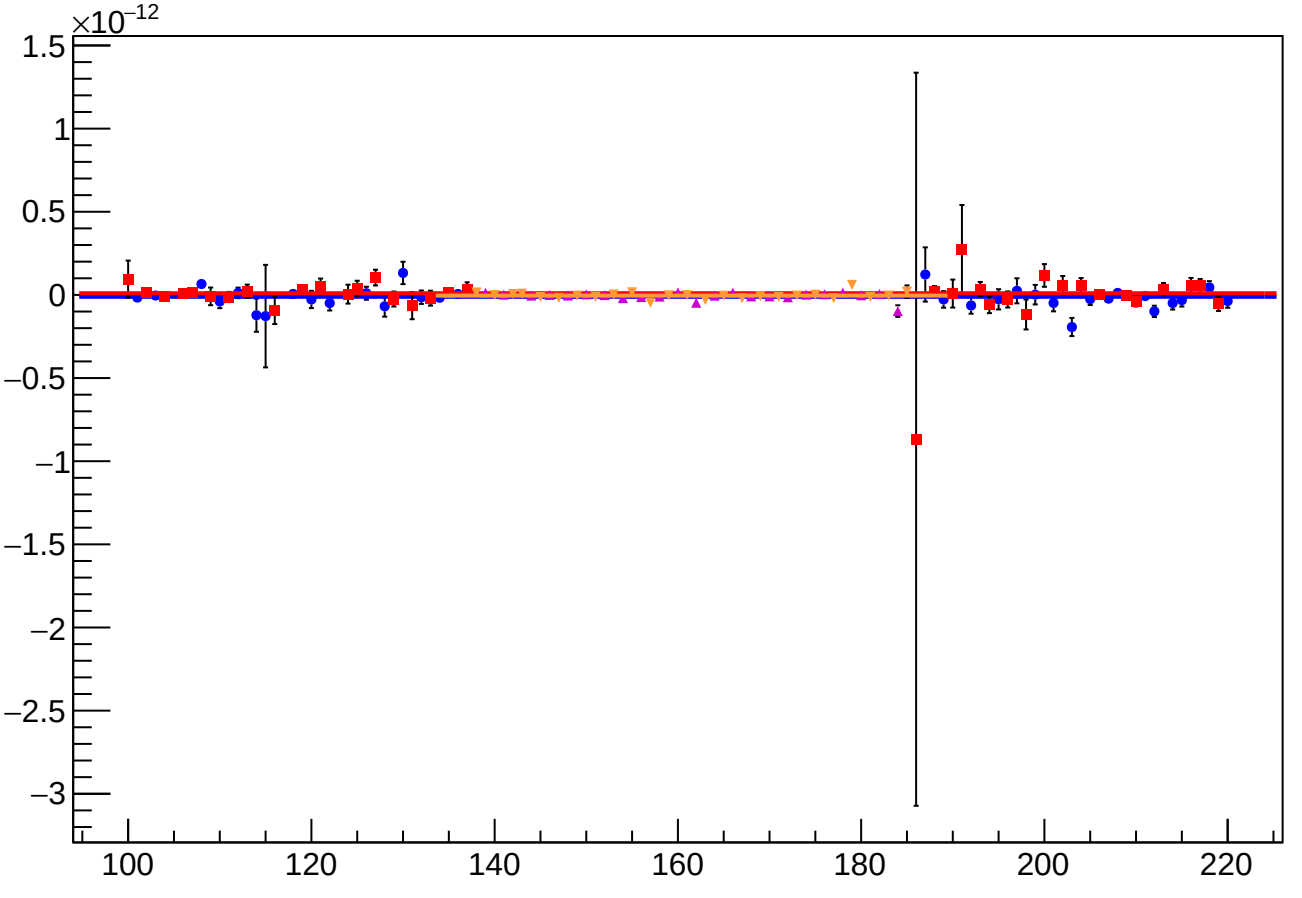
Right: 371.226+/-0.042 χ^2/NDF: 5329673.7/69

In: 370.471+/-0.043 χ^2/NDF:2779000.4/55

Out: 365.503+/-0.042 χ^2/NDF:3735595.6/61

All: 367.920+/-0.030 χ^2/NDF: 6521556.5/117

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/36

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

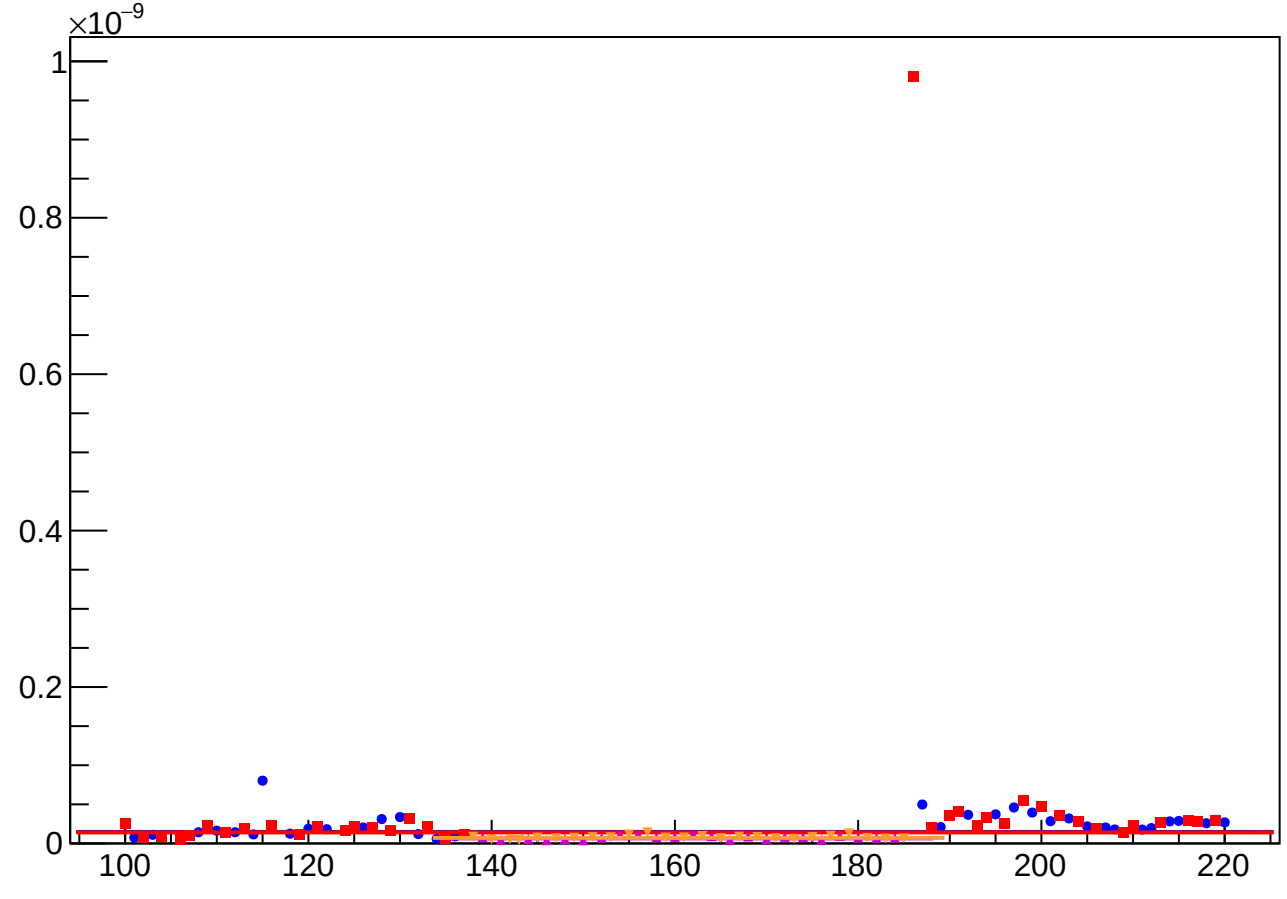
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: -0.000+/-0.000 χ^2/NDF: 80.9/69

In: -0.000+/-0.000 χ^2/NDF:67.6/55

Out: -0.000+/-0.000 χ^2/NDF:57.5/61

All: -0.000+/-0.000 χ^2/NDF: 125.4/117



Right In: 0.000+/-0.000 χ^2/NDF: 5003696.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5821503.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

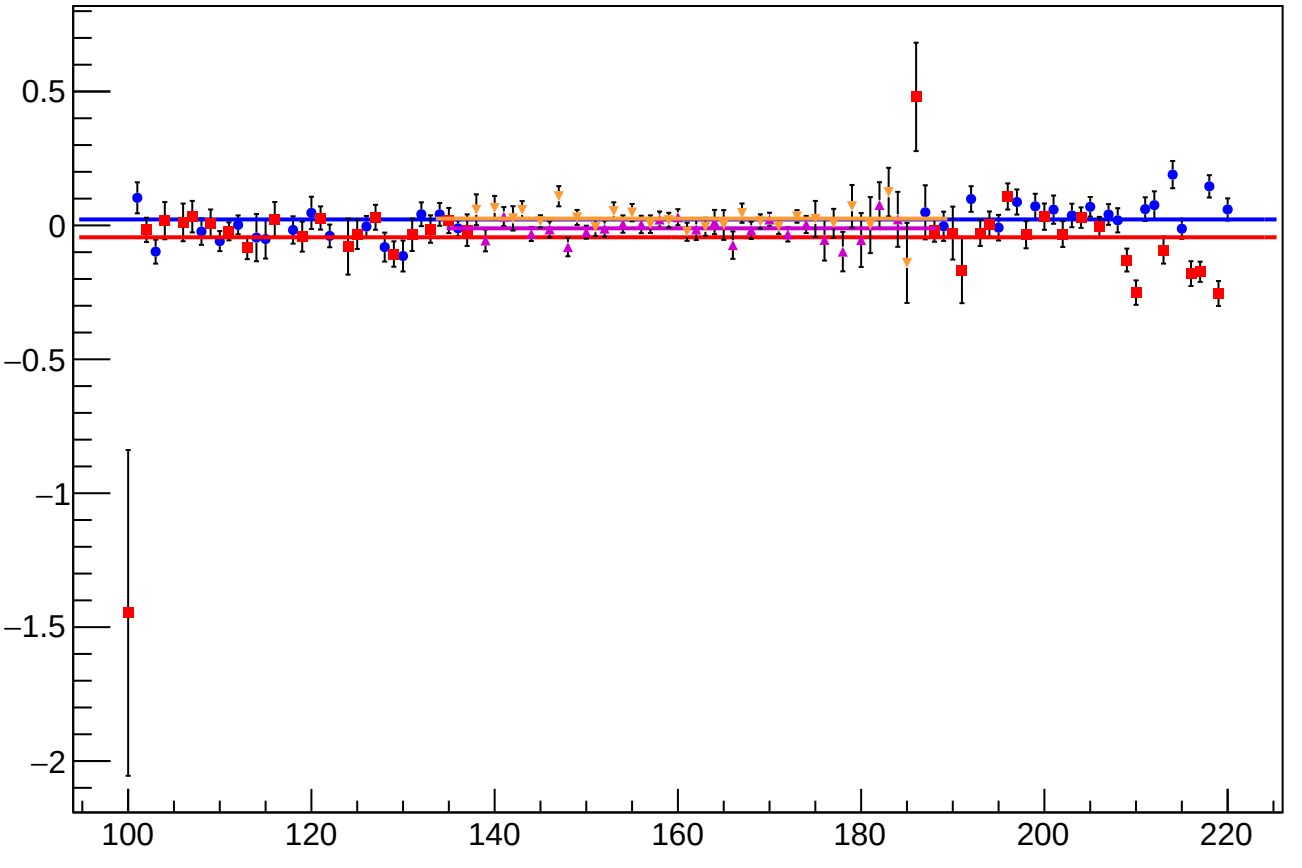
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 10835964.8/69

In: 0.000+/-0.000 χ^2/NDF:9981006.4/55

Out: 0.000+/-0.000 χ^2/NDF:9421475.9/61

All: 0.000+/-0.000 χ^2/NDF: 19440739.0/117



Right In: 0.022+/-0.008 χ^2/NDF: 62.7/32

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

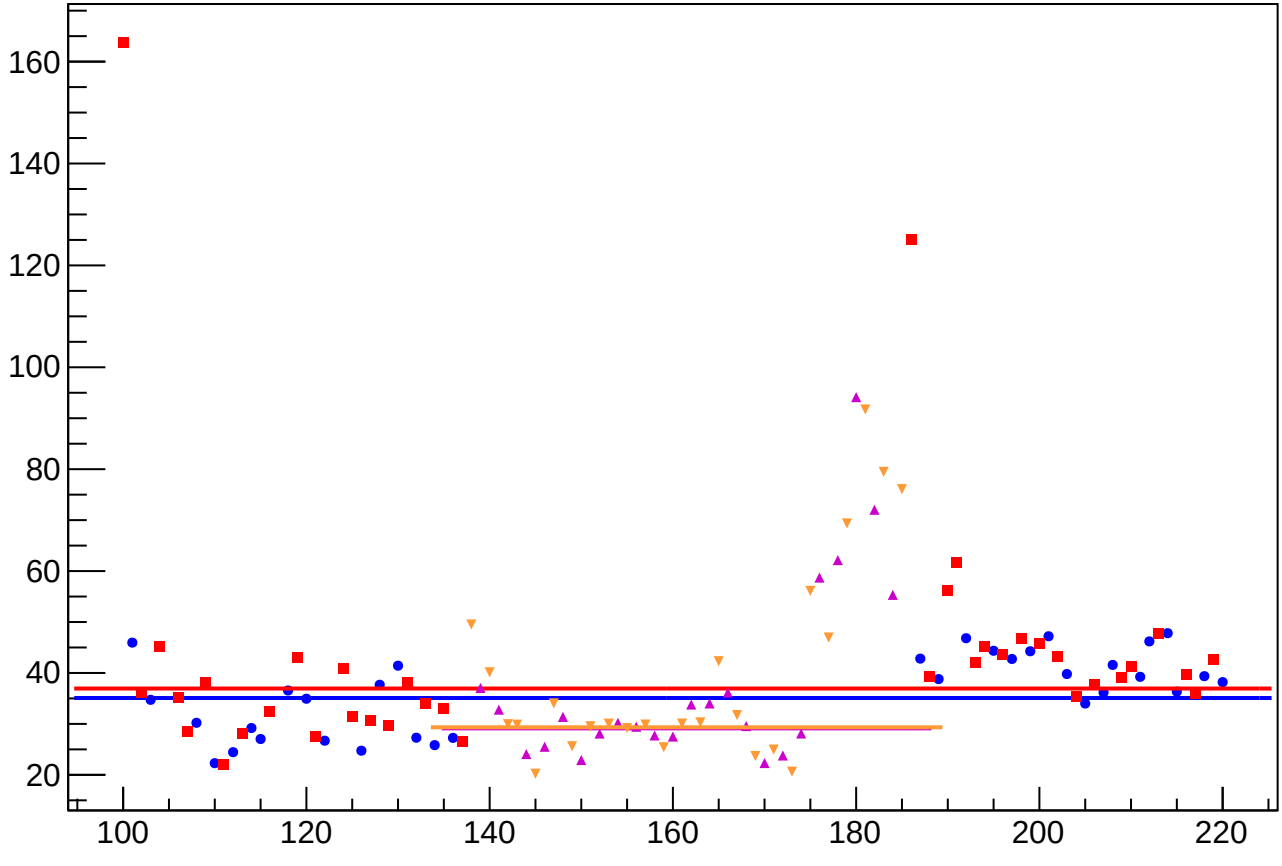
Right: -0.010+/-0.006 χ^2/NDF: 210.3/69

In: 0.004+/-0.005 χ^2/NDF:91.1/55

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: -0.000+/-0.004 χ^2/NDF: 264.2/117

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.085+/-0.006 χ^2/NDF: 1874419.1/32

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

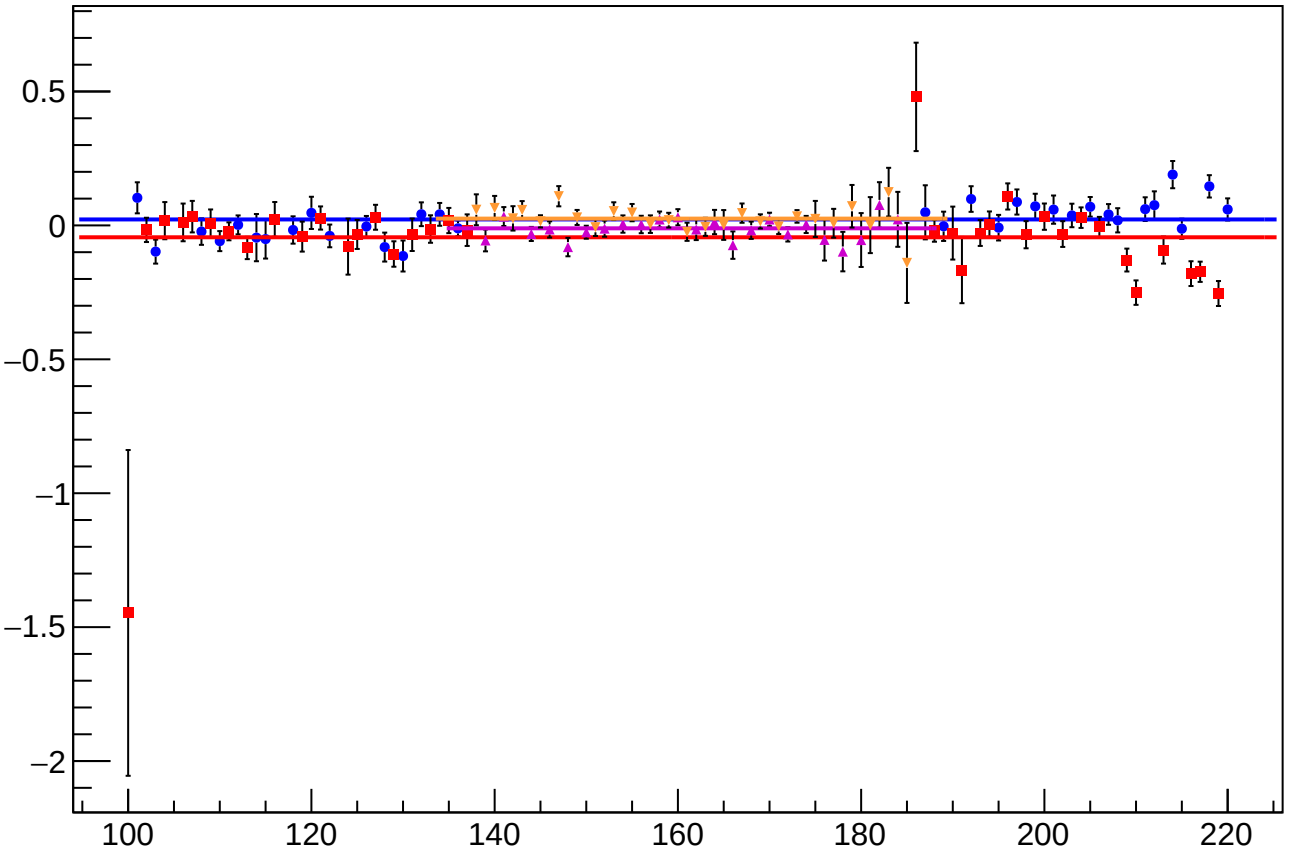
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.975+/-0.004 χ^2/NDF: 3882131.0/69

In: 31.858+/-0.004 χ^2/NDF:5325534.2/55

Out: 32.601+/-0.004 χ^2/NDF:6794566.2/61

All: 32.225+/-0.003 χ^2/NDF: 12139043.4/117



Right In: 0.022+/-0.008 χ^2/NDF: 62.7/32

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

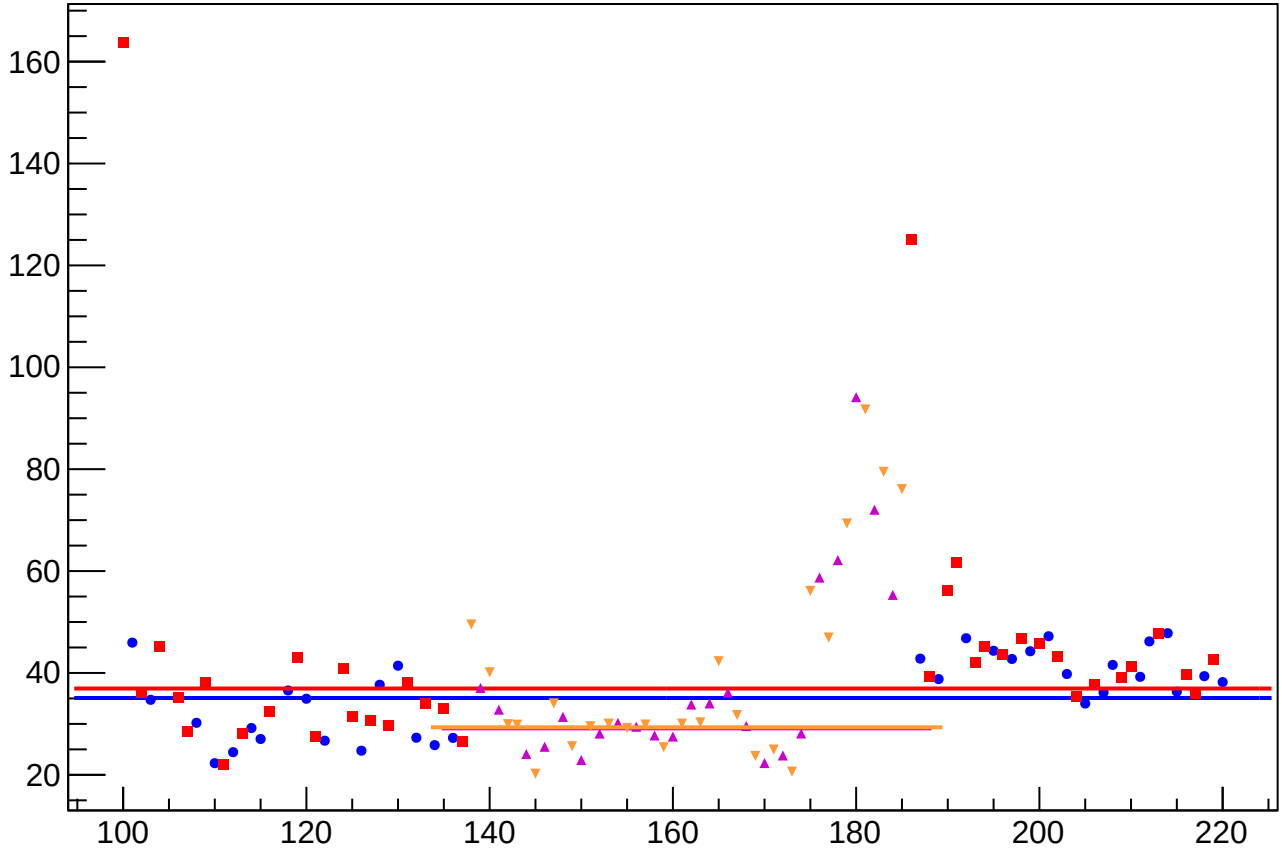
Right: -0.010+/-0.006 χ^2/NDF: 210.3/69

In: 0.004+/-0.005 χ^2/NDF:91.1/55

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: -0.000+/-0.004 χ^2/NDF: 264.2/117

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.085+/-0.006 χ^2/NDF: 1874419.1/32

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

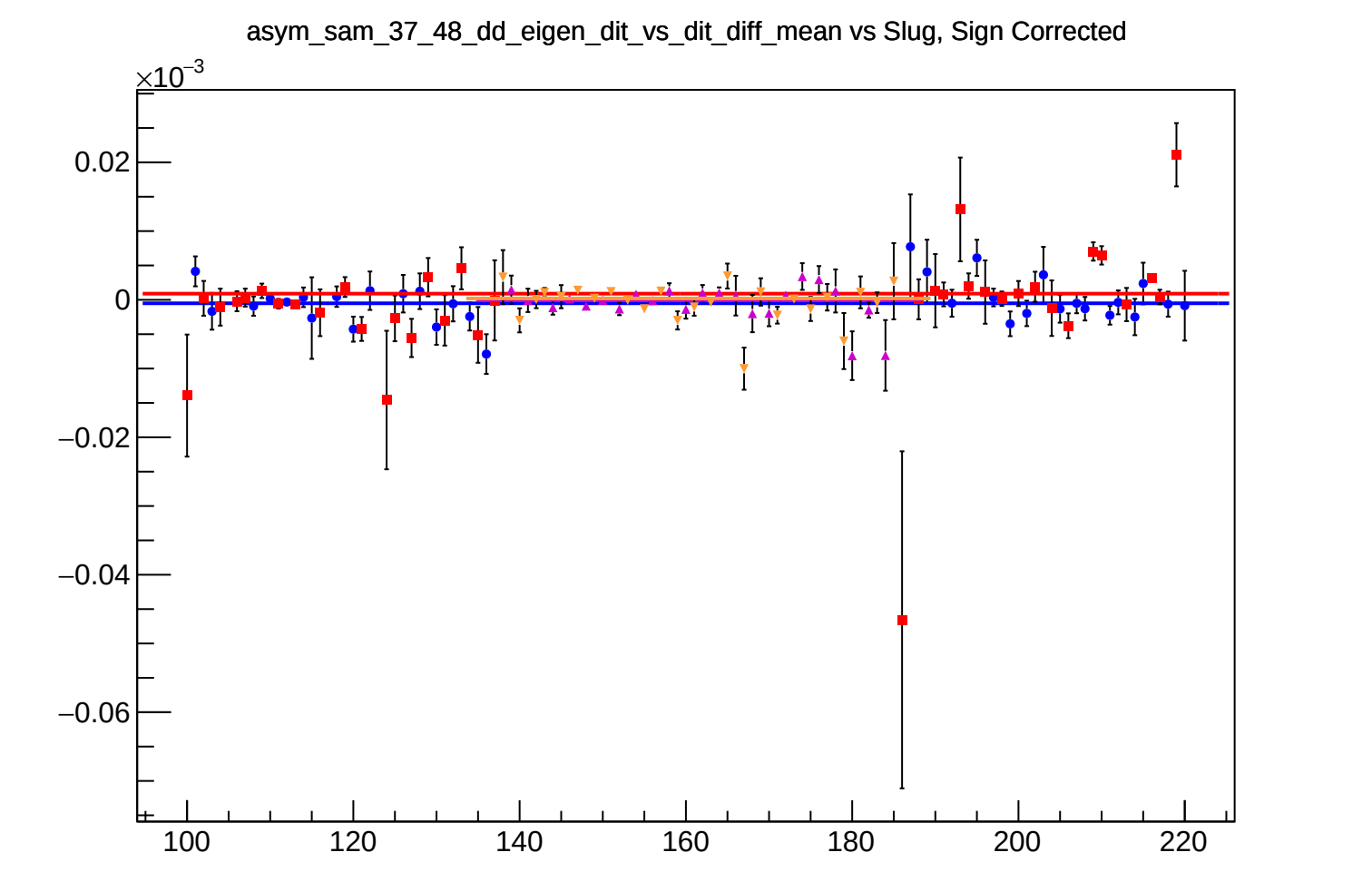
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.975+/-0.004 χ^2/NDF: 3882131.0/69

In: 31.858+/-0.004 χ^2/NDF:5325534.2/55

Out: 32.601+/-0.004 χ^2/NDF:6794566.2/61

All: 32.225+/-0.003 χ^2/NDF: 12139043.4/117



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 123.6/36

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

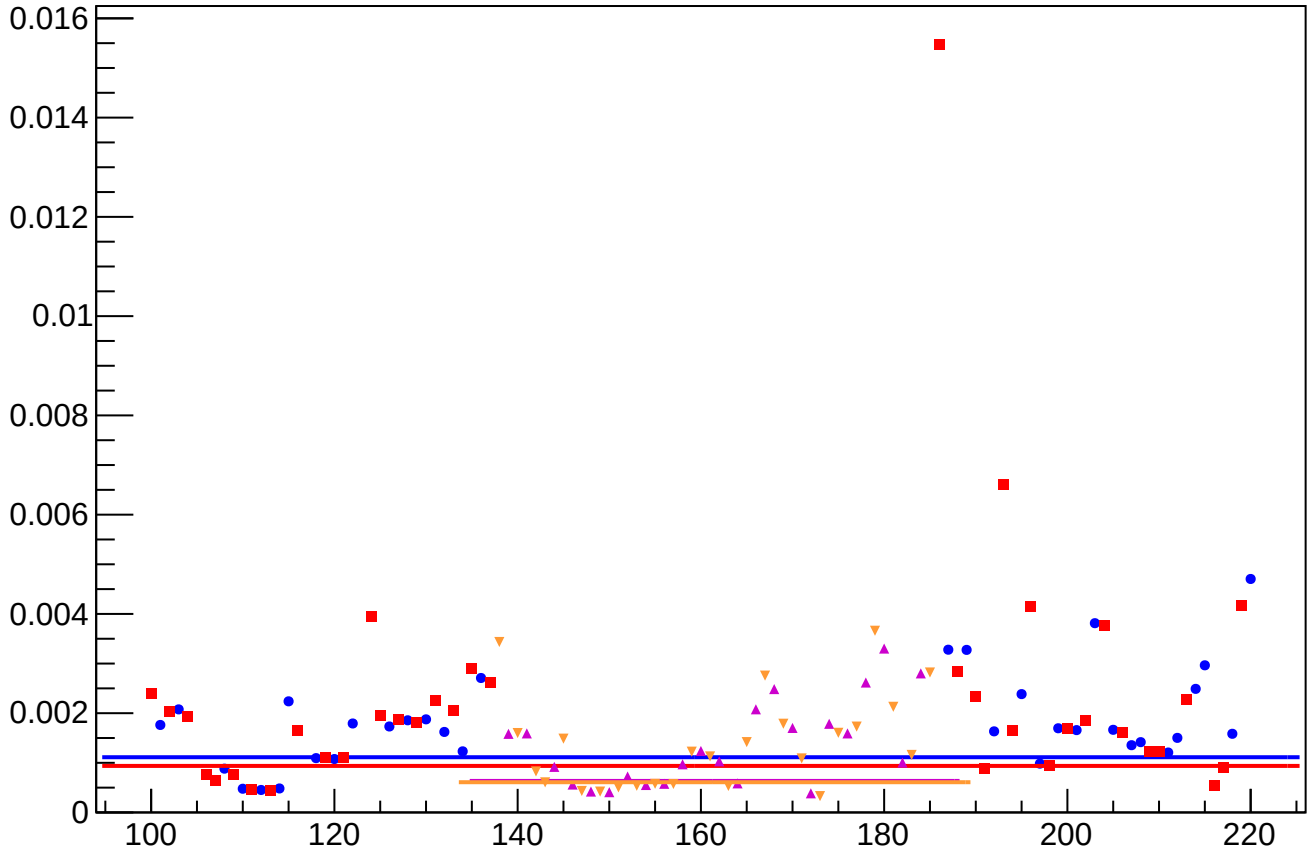
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: 0.000+/-0.000 χ^2/NDF: 174.7/69

In: -0.000+/-0.000 χ^2/NDF:73.2/55

Out: 0.000+/-0.000 χ^2/NDF:181.4/61

All: 0.000+/-0.000 χ^2/NDF: 261.6/117



Right In: 0.001+/-0.000 χ^2/NDF: 10949789.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13611326.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

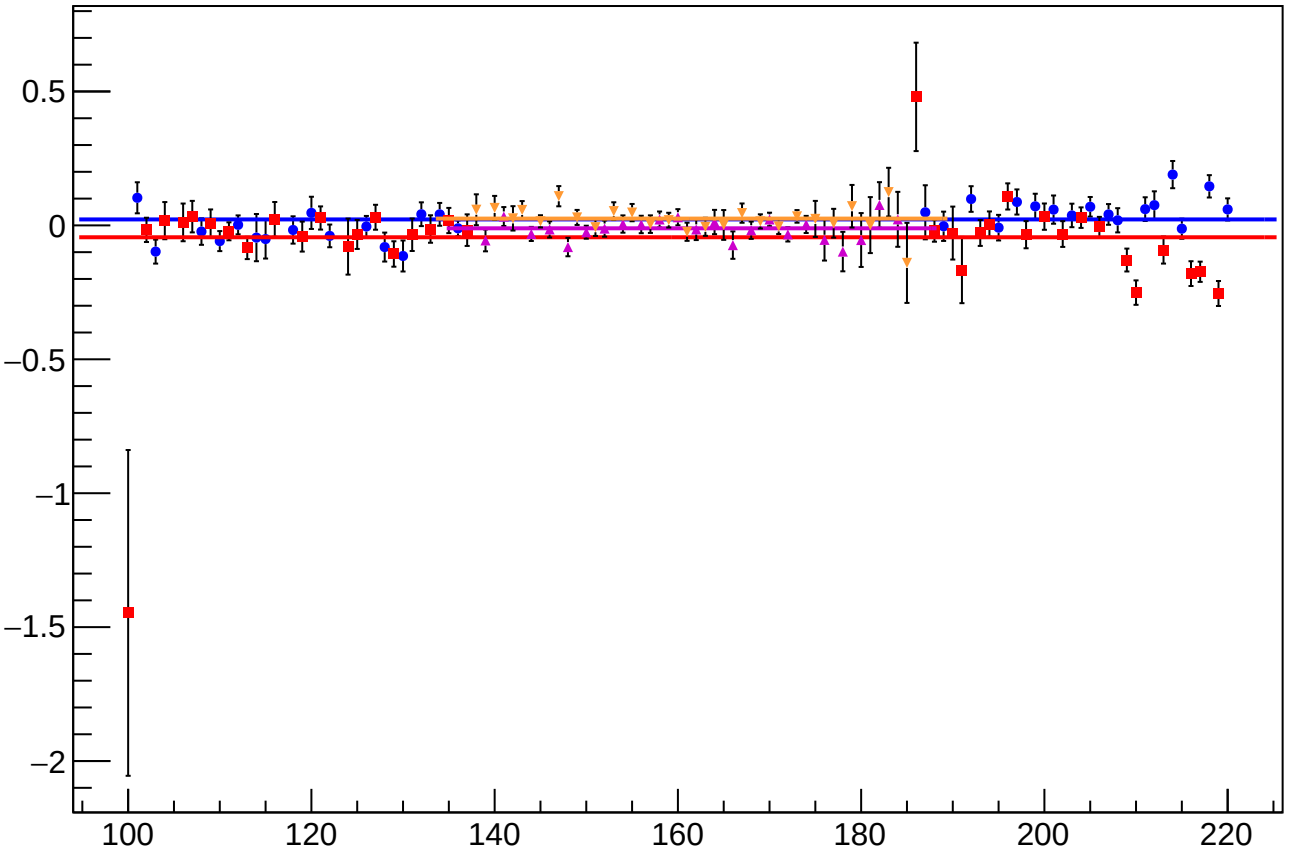
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 24967023.7/69

In: 0.001+/-0.000 χ^2/NDF:24145196.5/55

Out: 0.001+/-0.000 χ^2/NDF:26902247.4/61

All: 0.001+/-0.000 χ^2/NDF: 51196196.0/117



Right In: 0.022+/-0.008 χ^2/NDF: 62.7/32

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

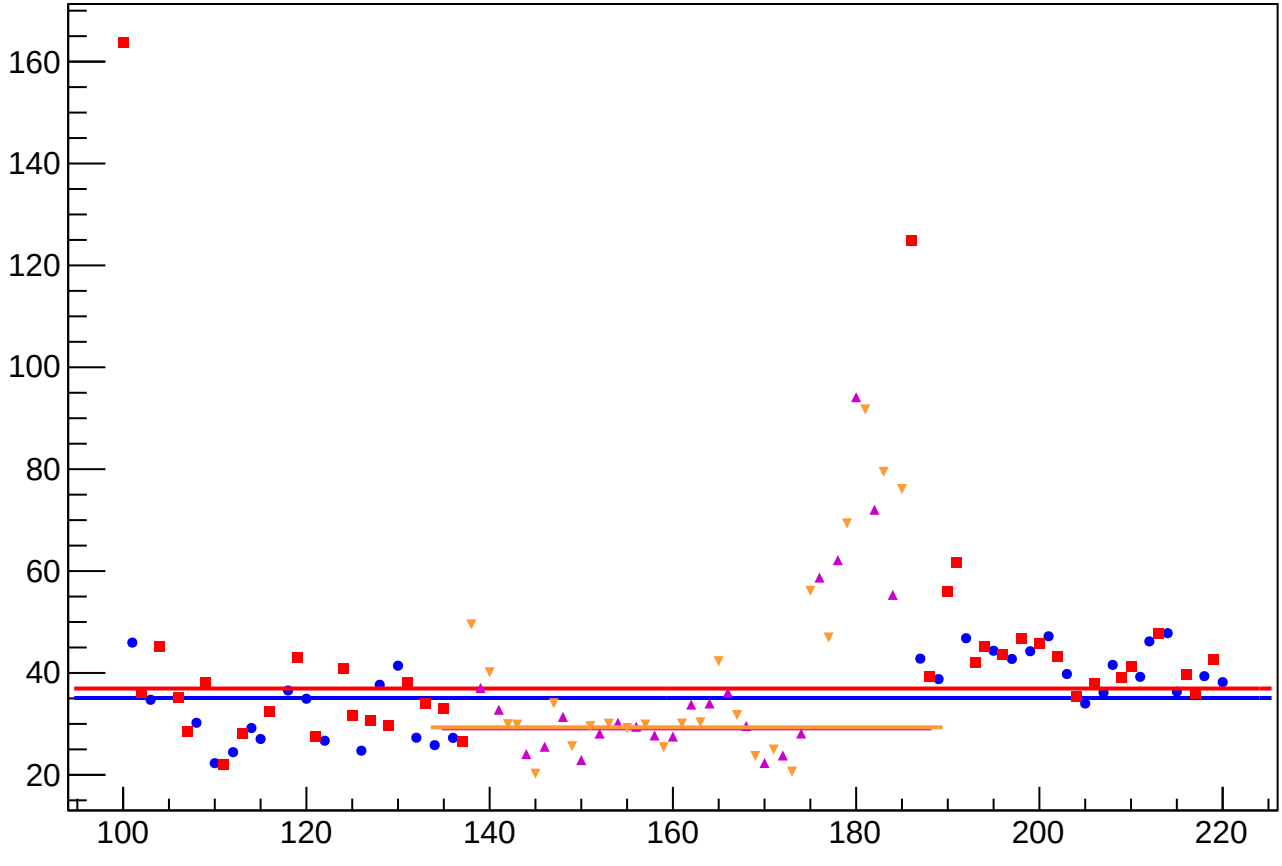
Right: -0.010+/-0.006 χ^2/NDF: 210.3/69

In: 0.004+/-0.005 χ^2/NDF:91.1/55

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: -0.000+/-0.004 χ^2/NDF: 264.2/117

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.085+/-0.006 χ^2/NDF: 1874296.0/32

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

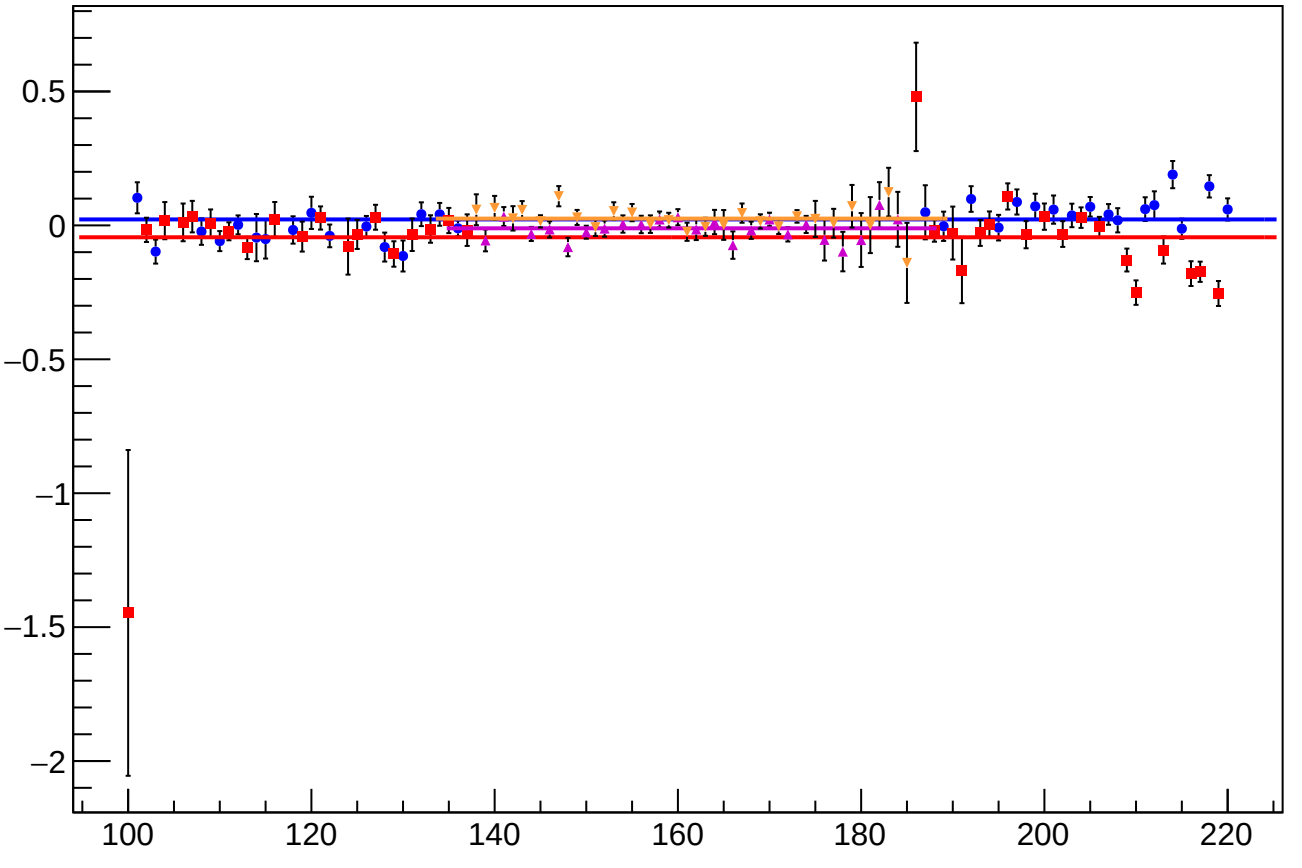
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.975+/-0.004 χ^2/NDF: 3881859.5/69

In: 31.858+/-0.004 χ^2/NDF:5325379.4/55

Out: 32.600+/-0.004 χ^2/NDF:6794526.3/61

All: 32.225+/-0.003 χ^2/NDF: 12138850.4/117



Right In: 0.022+/-0.008 χ^2/NDF: 62.7/32

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

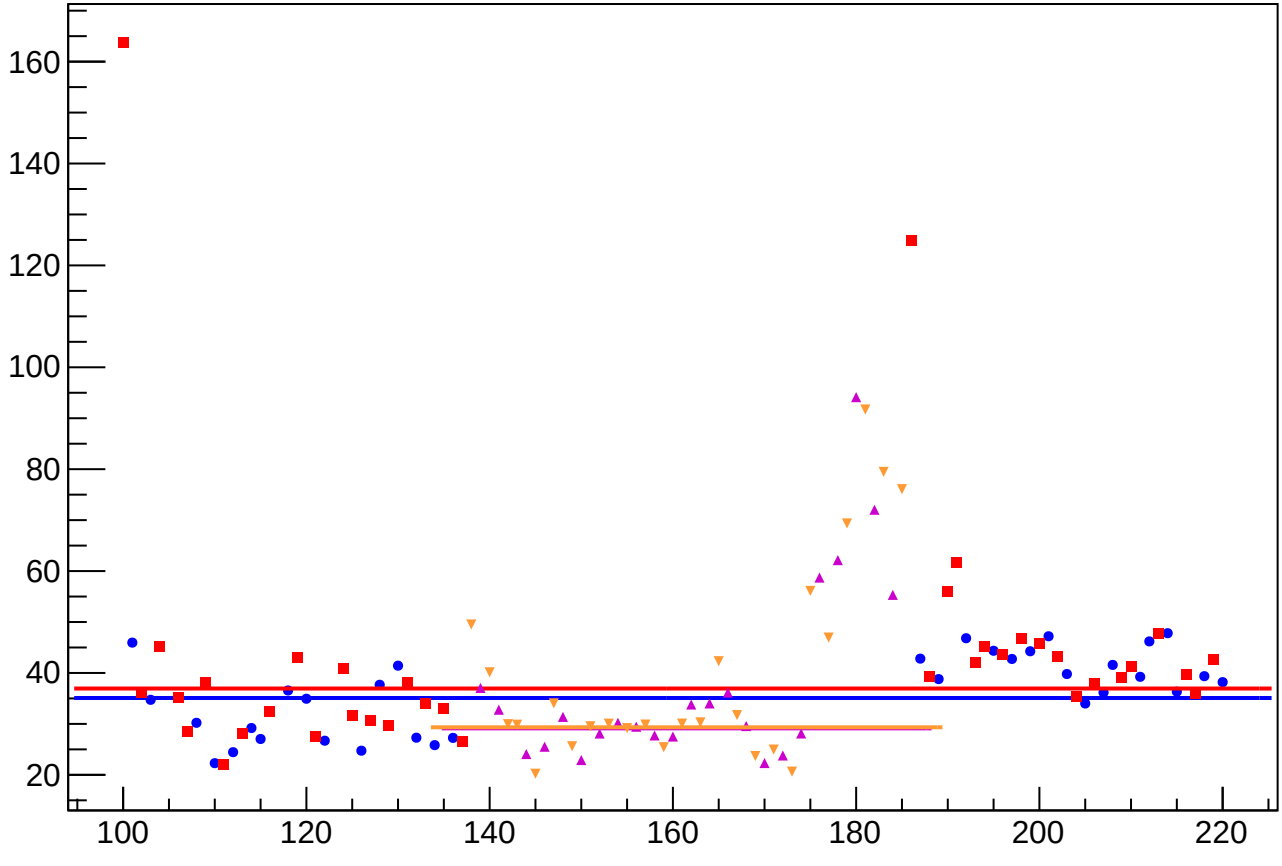
Right: -0.010+/-0.006 χ^2/NDF: 210.3/69

In: 0.004+/-0.005 χ^2/NDF:91.1/55

Out: -0.005+/-0.005 χ^2/NDF:171.7/61

All: -0.000+/-0.004 χ^2/NDF: 264.2/117

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.085+/-0.006 χ^2/NDF: 1874296.0/32

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

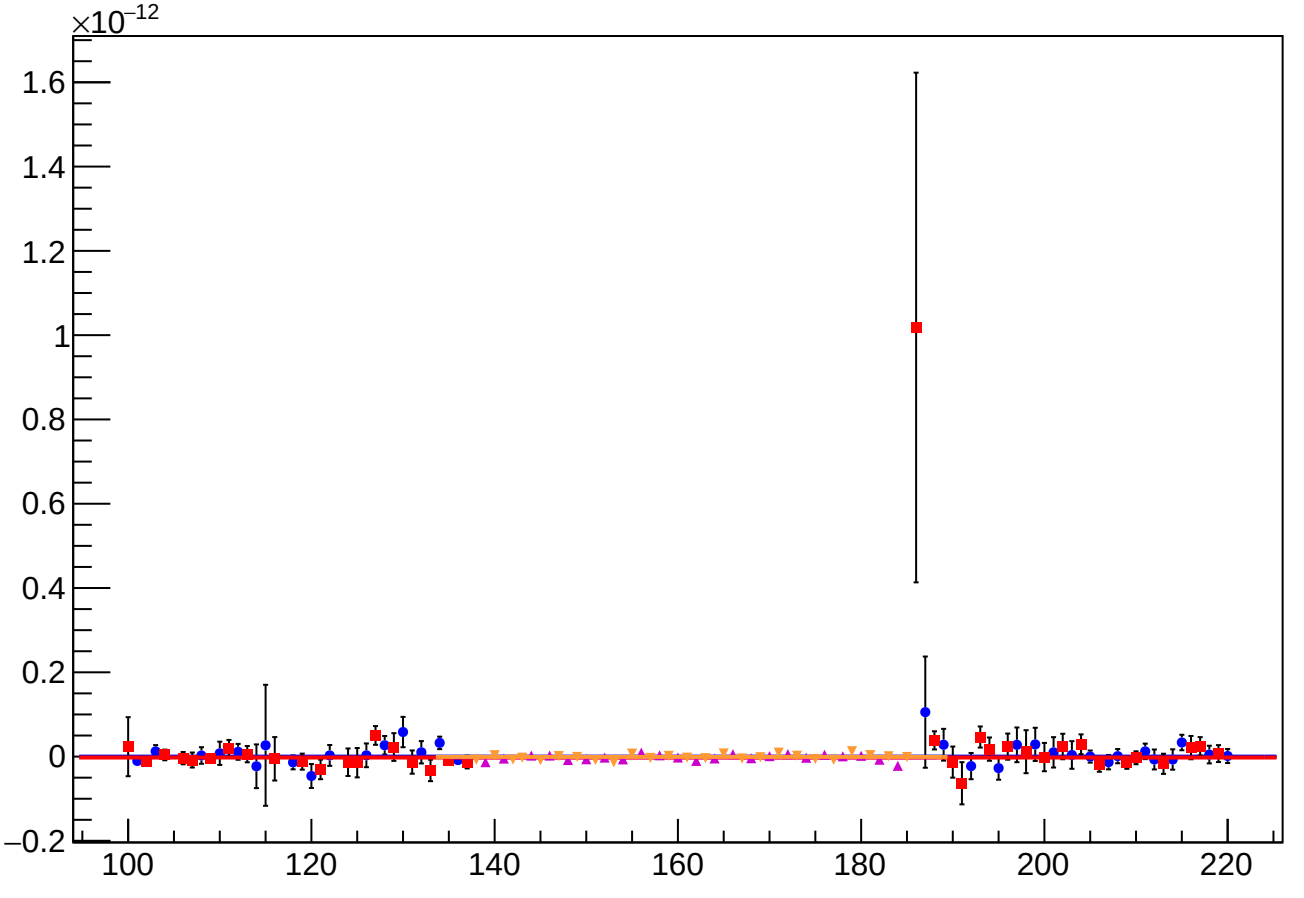
Right: 35.975+/-0.004 χ^2/NDF: 3881859.5/69

In: 31.858+/-0.004 χ^2/NDF:5325379.4/55

Out: 32.600+/-0.004 χ^2/NDF:6794526.3/61

All: 32.225+/-0.003 χ^2/NDF: 12138850.4/117

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/36

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

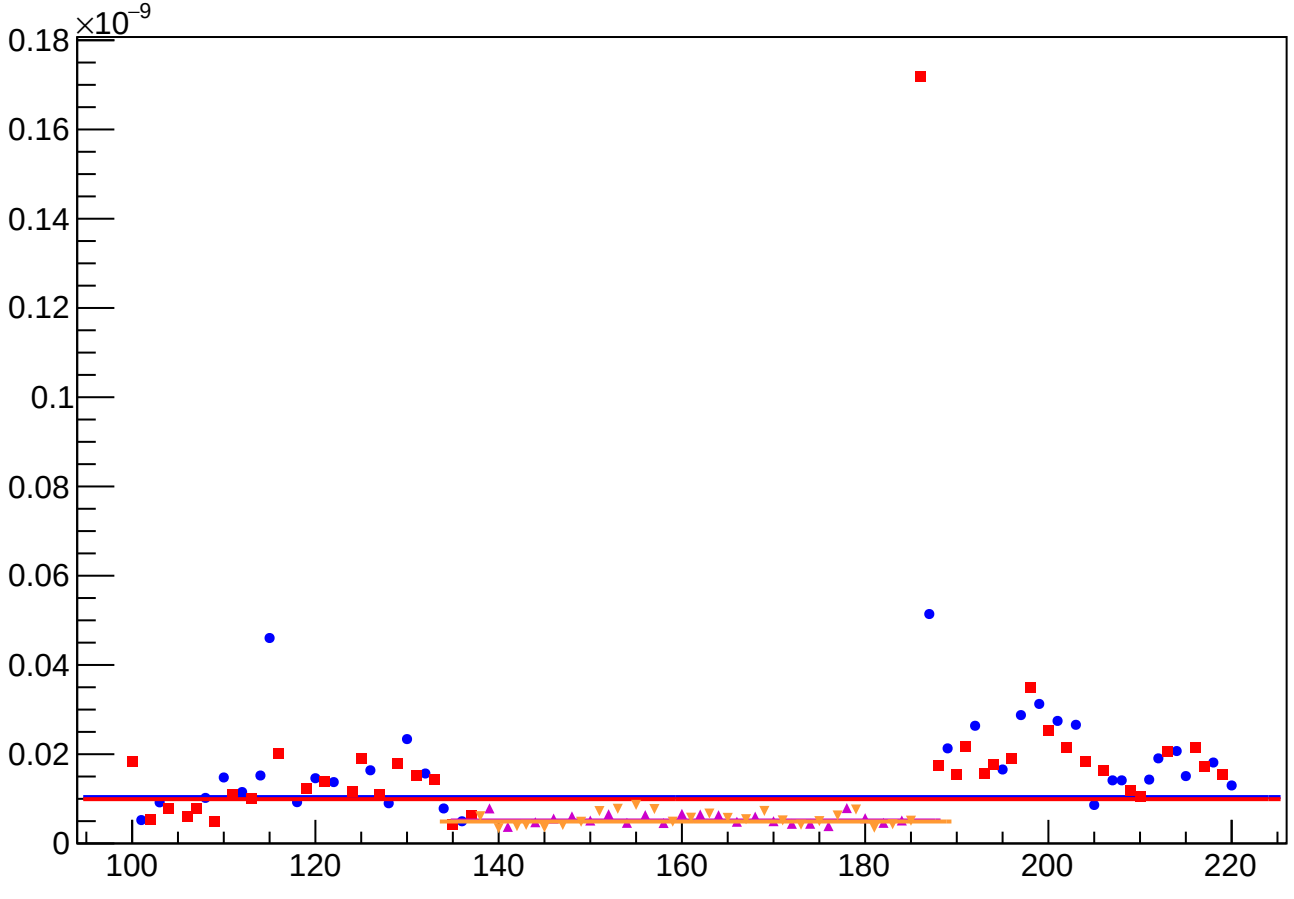
Right: -0.000+/-0.000 χ^2/NDF: 59.9/69

In: -0.000+/-0.000 χ^2/NDF:42.2/55

Out: -0.000+/-0.000 χ^2/NDF:49.4/61

All: -0.000+/-0.000 χ^2/NDF: 91.6/117

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7365134.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6922849.9/36

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

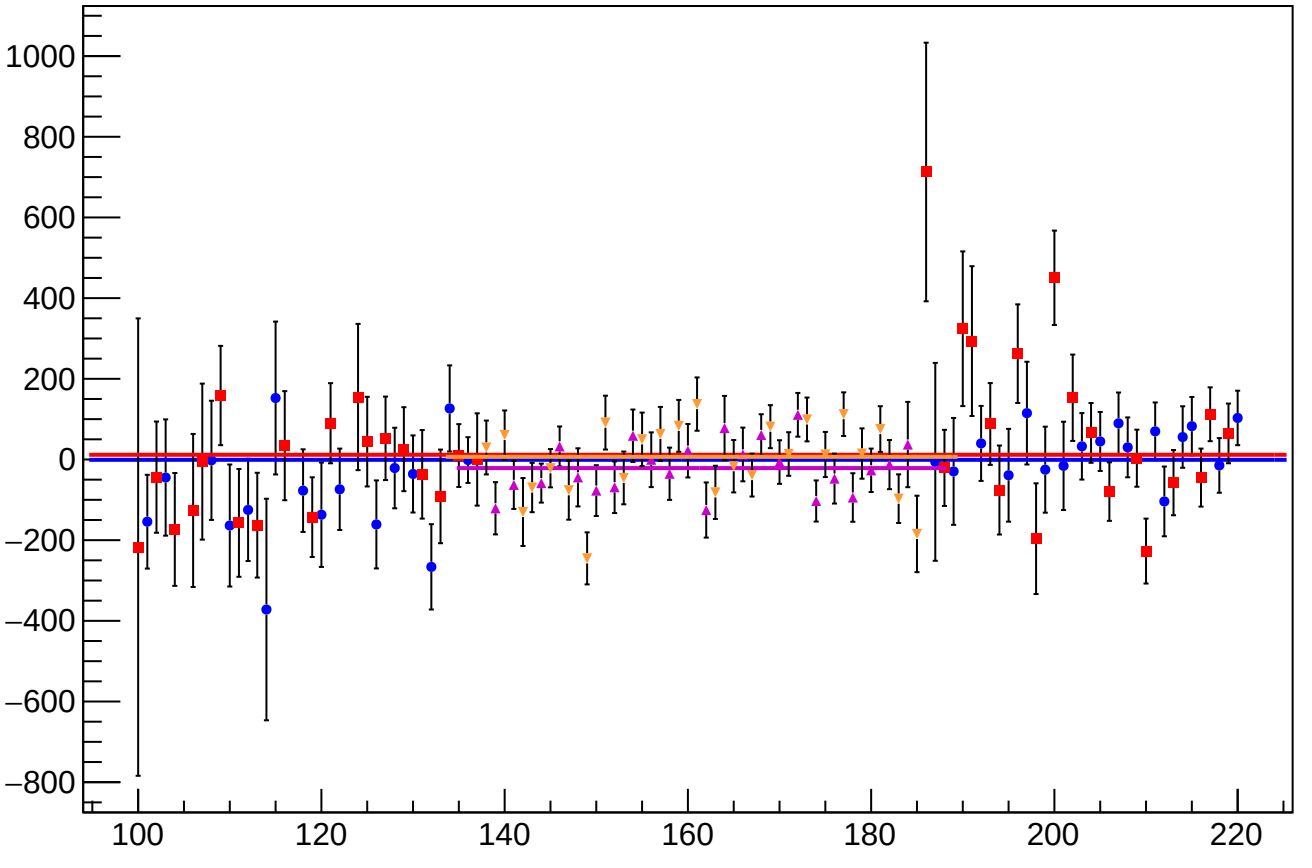
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14310551.8/69

In: 0.000+/-0.000 χ^2/NDF:12931417.0/55

Out: 0.000+/-0.000 χ^2/NDF:13211974.4/61

All: 0.000+/-0.000 χ^2/NDF: 26199889.6/117



Right In: -0.804+/-16.519 χ^2/NDF: 28.7/32

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 11.677+/-17.112 χ^2/NDF: 60.8/36

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

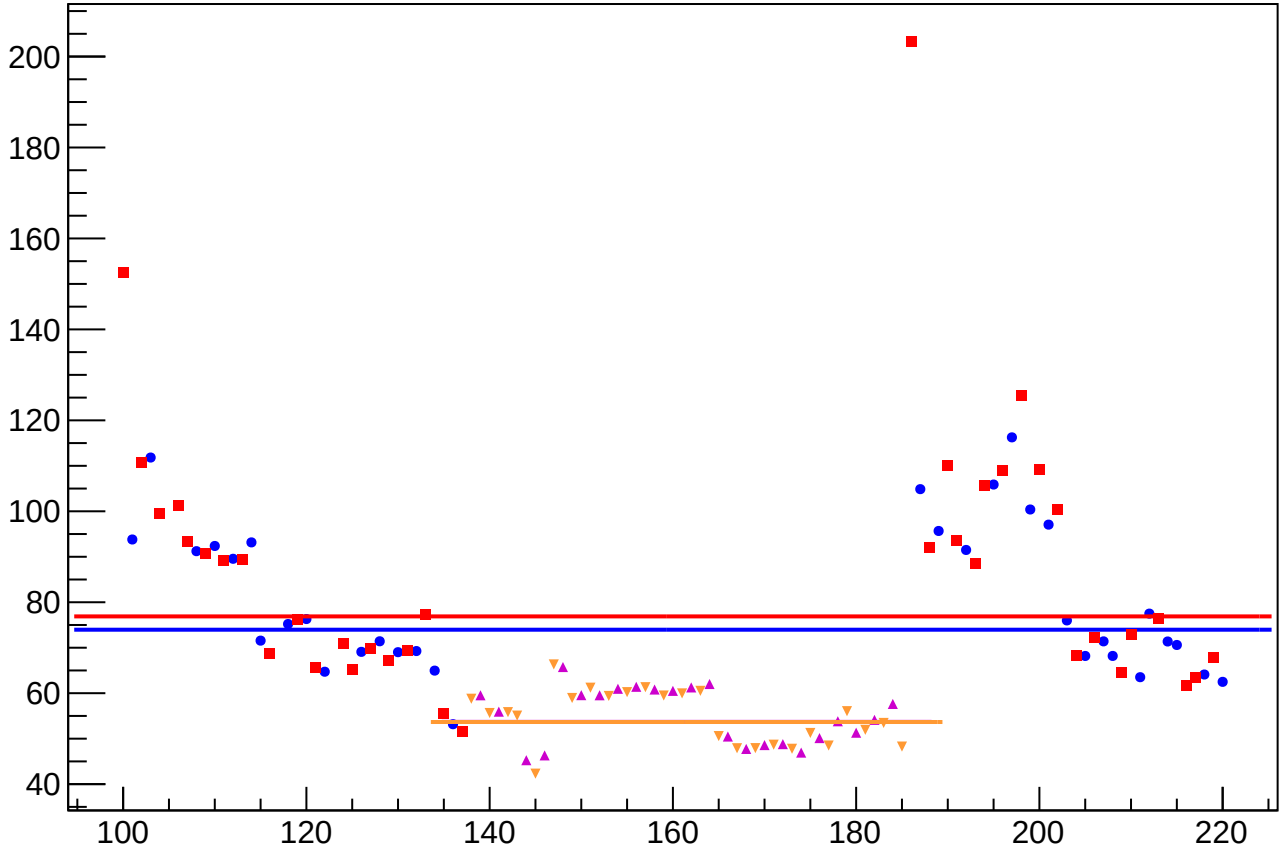
Right: 5.216+/-11.885 χ^2/NDF: 89.8/69

In: -13.747+/-10.043 χ^2/NDF:55.1/55

Out: 8.276+/-9.981 χ^2/NDF:111.5/61

All: -2.667+/-7.079 χ^2/NDF: 169.0/117

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 73.960+/-0.012 χ^2/NDF: 1532727.9/32

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.887+/-0.012 χ^2/NDF: 2201463.1/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

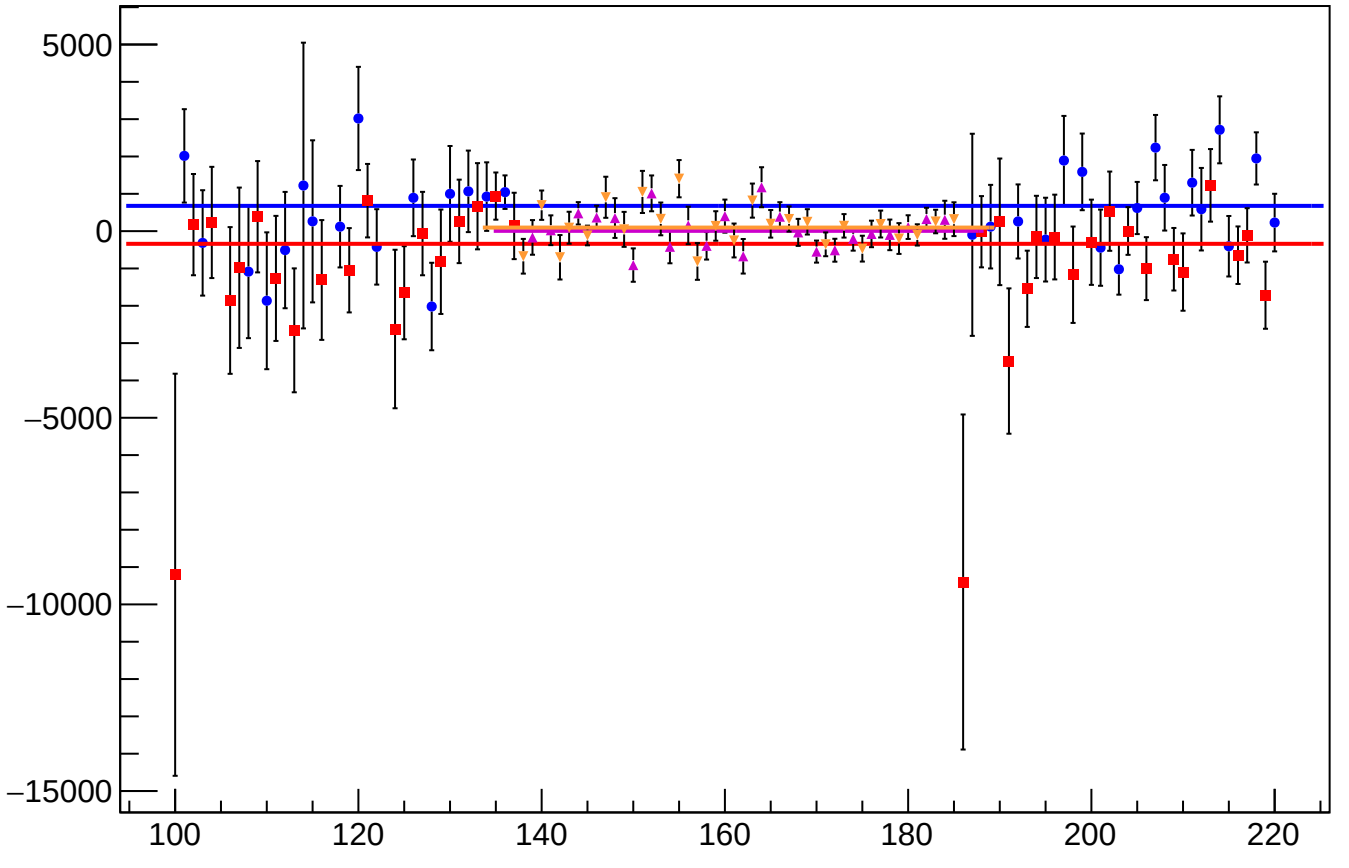
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.372+/-0.008 χ^2/NDF: 3764475.9/69

In: 61.185+/-0.007 χ^2/NDF:3901545.0/55

Out: 61.565+/-0.007 χ^2/NDF:5103768.6/61

All: 61.376+/-0.005 χ^2/NDF: 9006754.4/117



Right In: 677.099+/-169.494 χ^2/NDF: 40.5/32

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -339.769+/-179.523 χ^2/NDF: 32.5/36

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

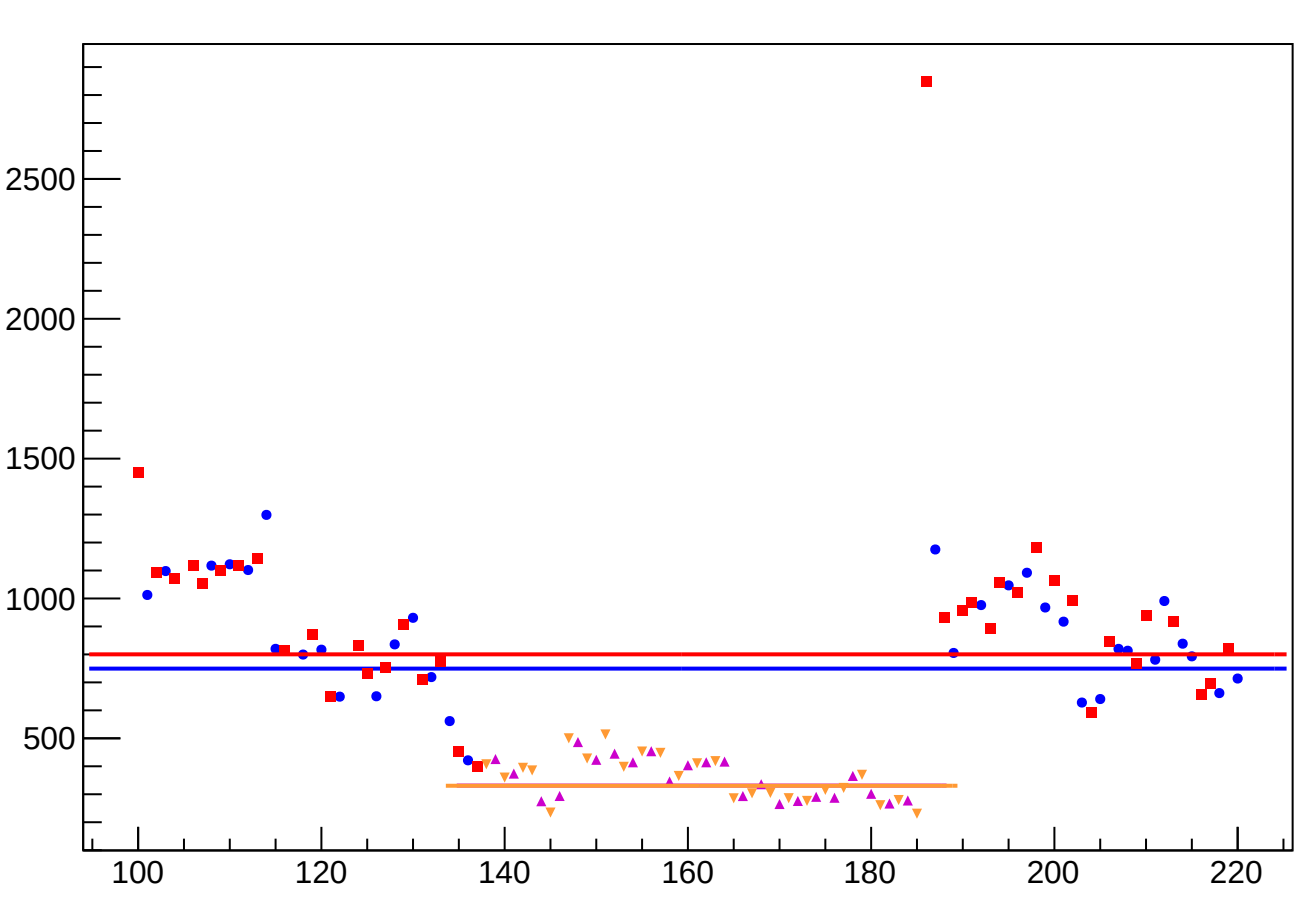
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 197.859+/-123.243 χ^2/NDF: 90.0/69

In: 127.627+/-71.698 χ^2/NDF:85.6/55

Out: 27.631+/-70.869 χ^2/NDF:70.7/61

All: 77.048+/-50.402 χ^2/NDF: 157.3/117



Right In: 749.245+/-0.120 χ^2/NDF: 2677171.9/32

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 800.265+/-0.127 χ^2/NDF: 3051949.7/36

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

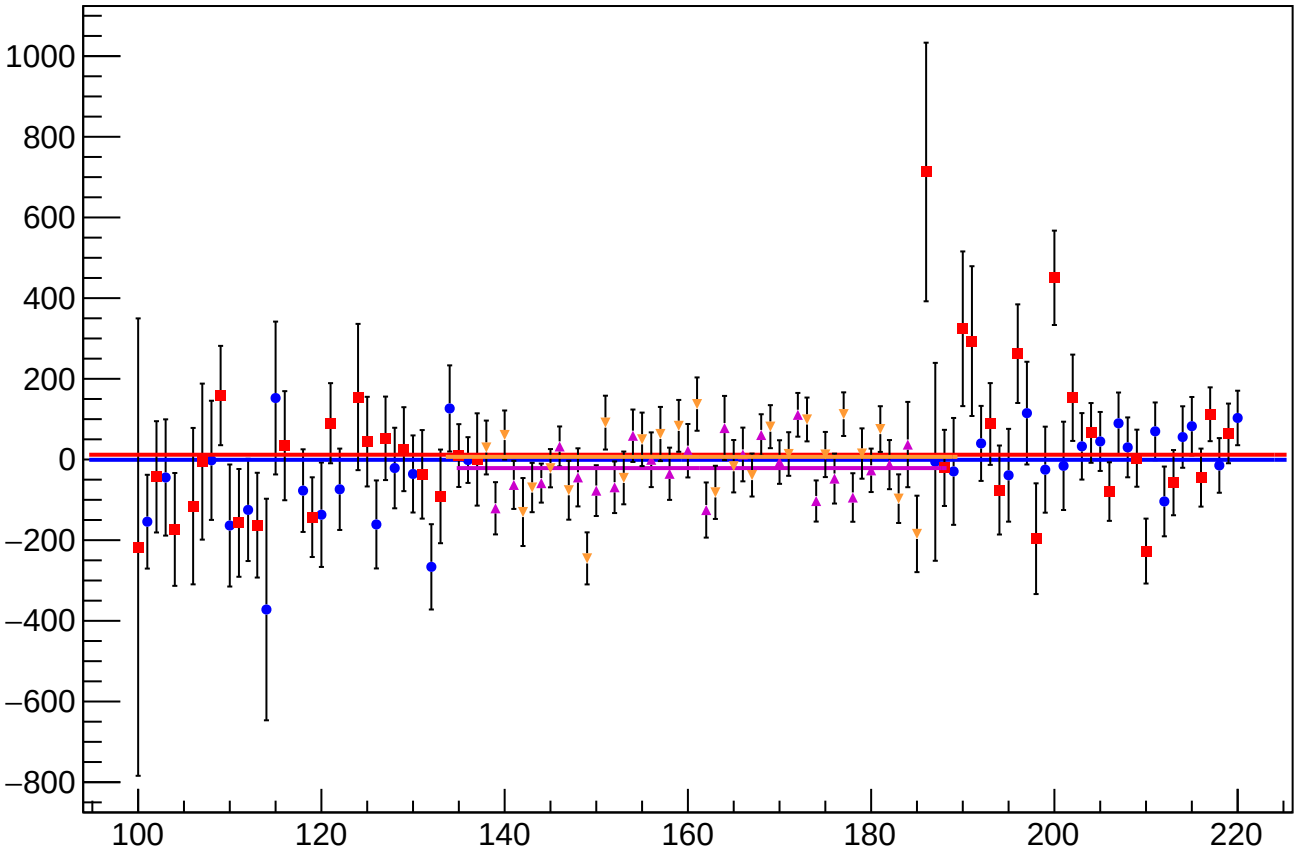
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 773.290+/-0.087 χ^2/NDF: 5814526.6/69

In: 405.887+/-0.051 χ^2/NDF:13999027.7/55

Out: 403.628+/-0.050 χ^2/NDF:16369599.5/61

All: 404.745+/-0.036 χ^2/NDF: 30369631.5/11



Right In: -0.799+/-16.519 χ^2/NDF: 28.7/32

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 11.821+/-17.115 χ^2/NDF: 60.7/36

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

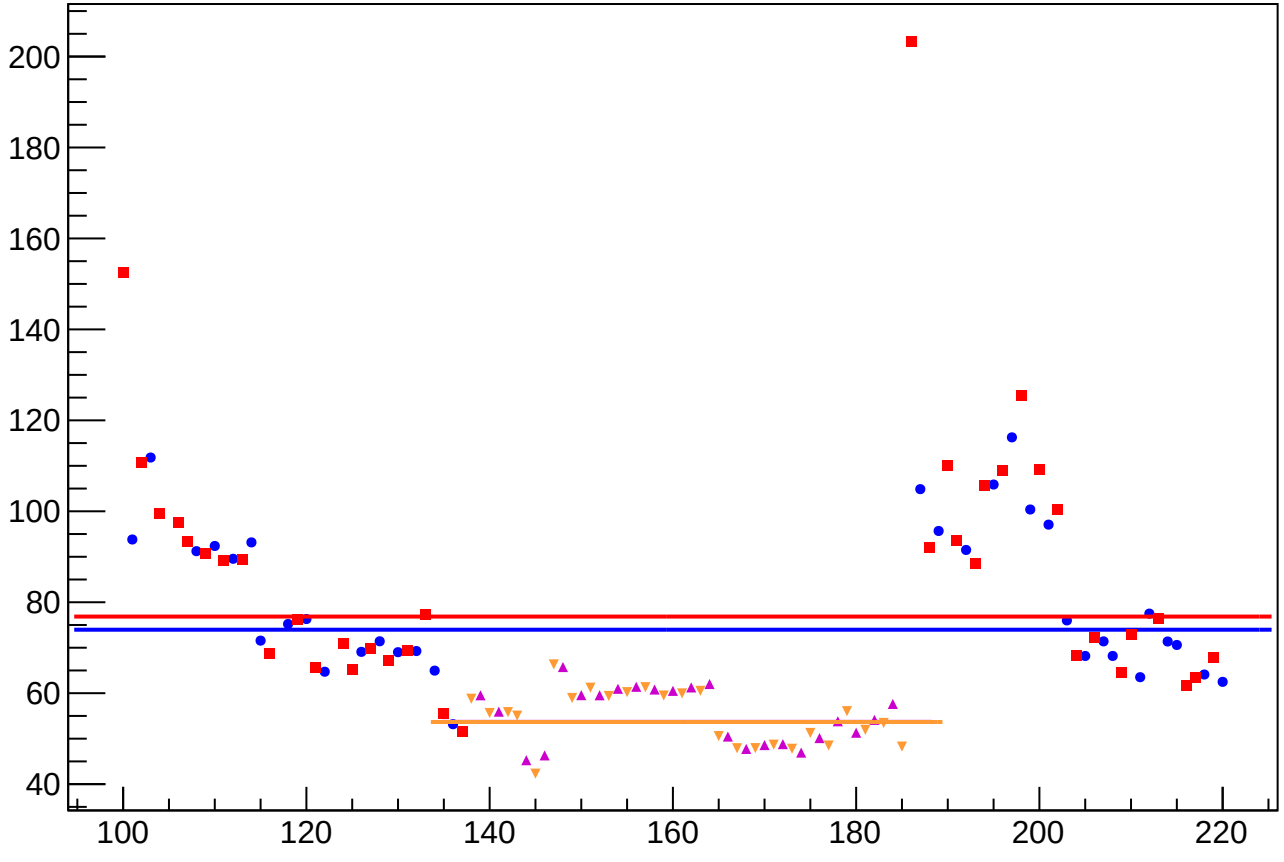
Right: 5.287+/-11.886 χ^2/NDF: 89.7/69

In: -13.744+/-10.043 χ^2/NDF:55.1/55

Out: 8.326+/-9.981 χ^2/NDF:111.4/61

All: -2.641+/-7.080 χ^2/NDF: 168.9/117

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 73.960+/-0.012 χ^2/NDF: 1532730.3/32

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

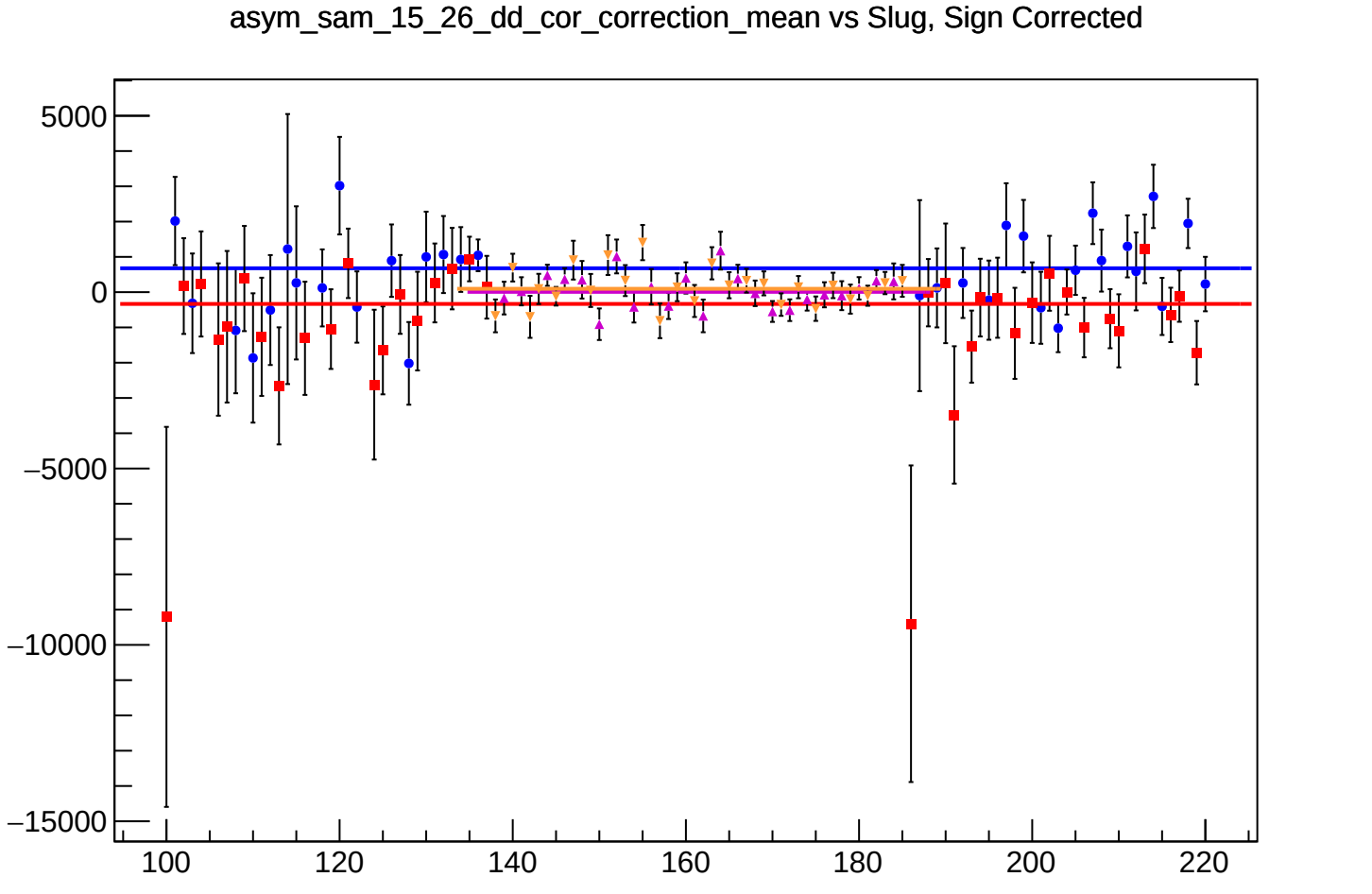
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.354+/-0.008 χ^2/NDF: 3753776.3/69

In: 61.185+/-0.007 χ^2/NDF:3901547.6/55

Out: 61.551+/-0.007 χ^2/NDF:5085553.0/61

All: 61.369+/-0.005 χ^2/NDF: 8988434.2/117



Right In: 677.097+/-169.494 χ^2/NDF: 40.5/32

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

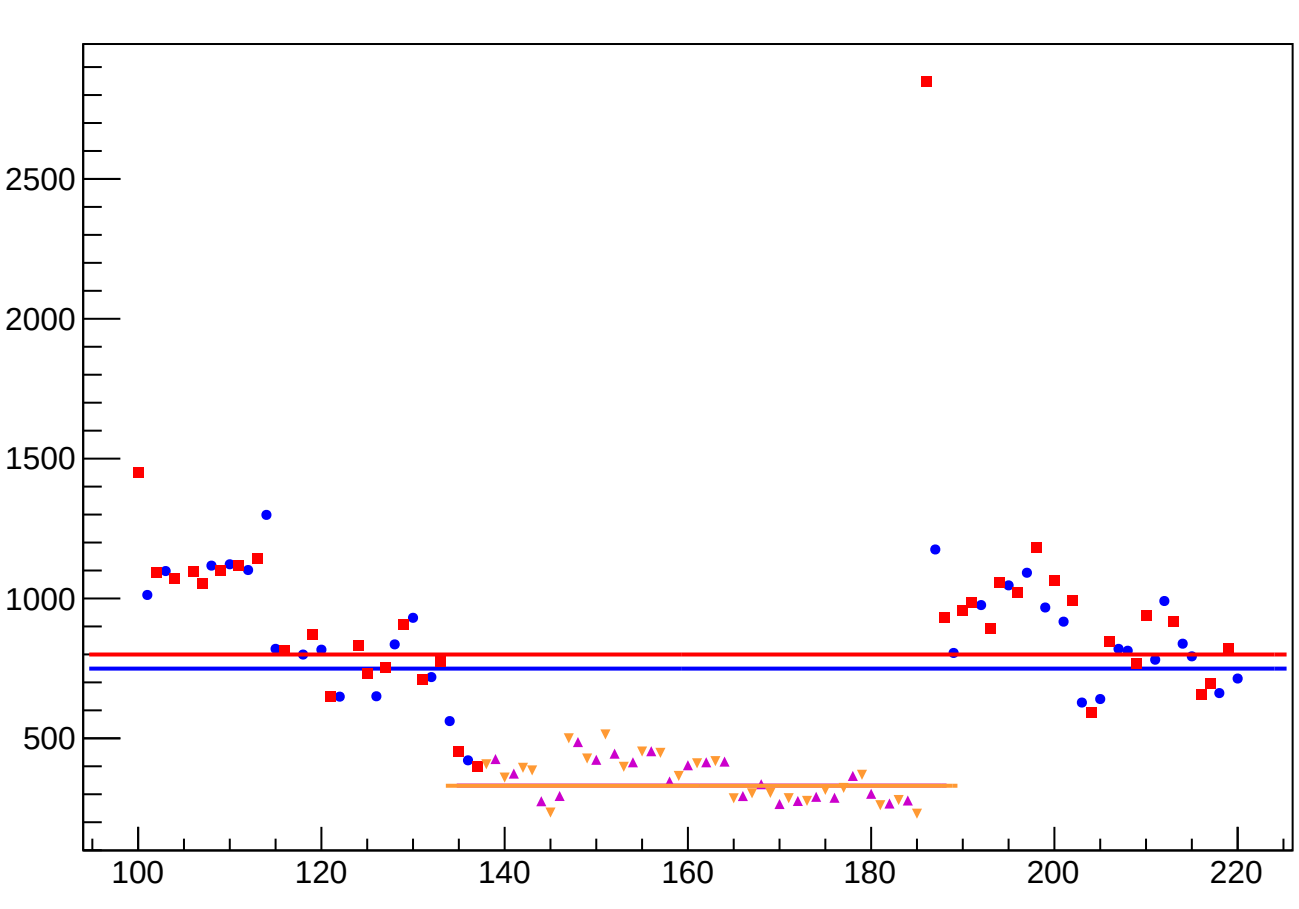
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 200.895+/-123.286 χ^2/NDF: 89.4/69

In: 127.623+/-71.698 χ^2/NDF:85.6/55

Out: 28.598+/-70.877 χ^2/NDF:70.1/61

All: 77.541+/-50.405 χ^2/NDF: 156.7/117



Right In: 749.246+/-0.120 χ^2/NDF: 2677195.1/32

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

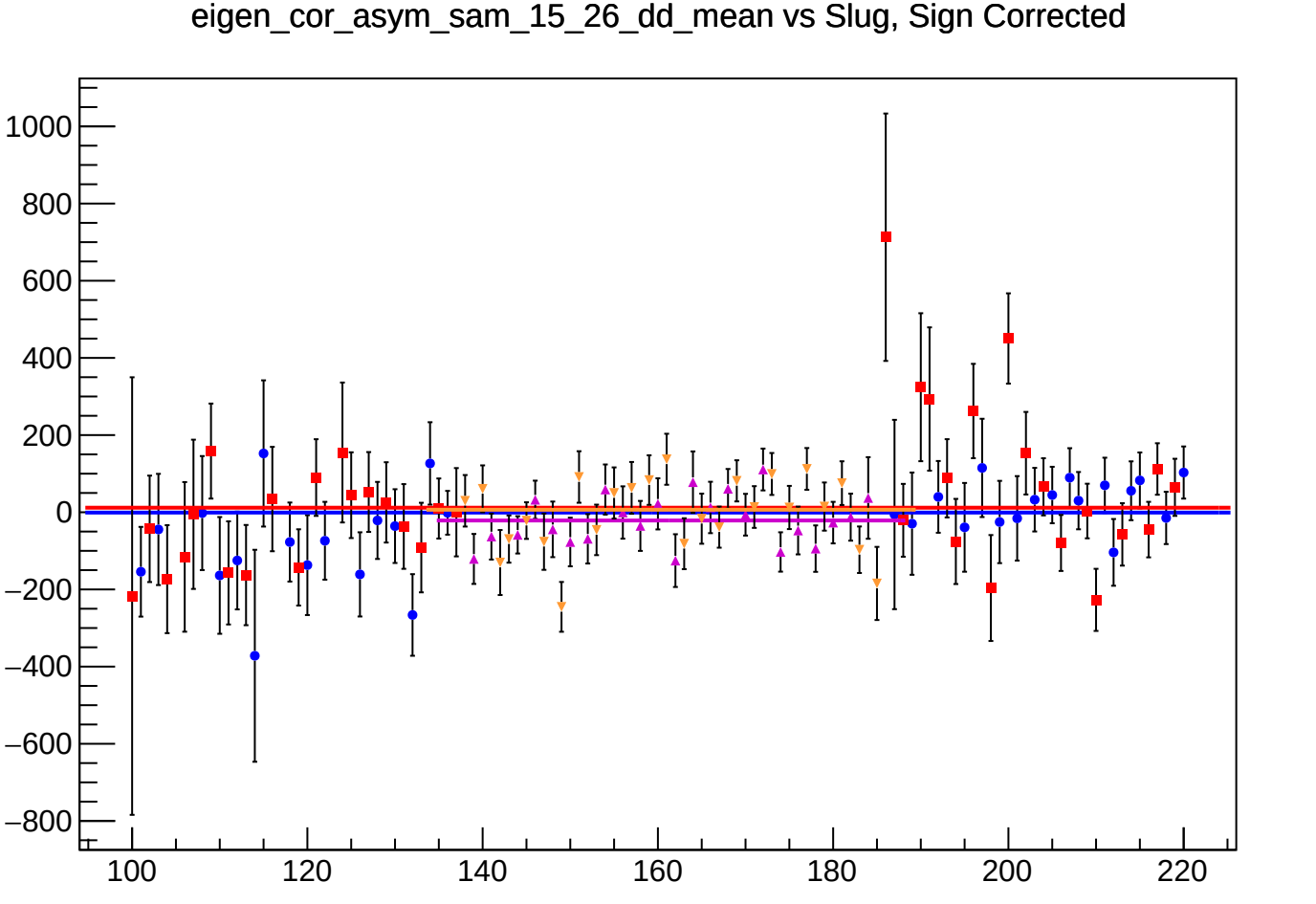
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

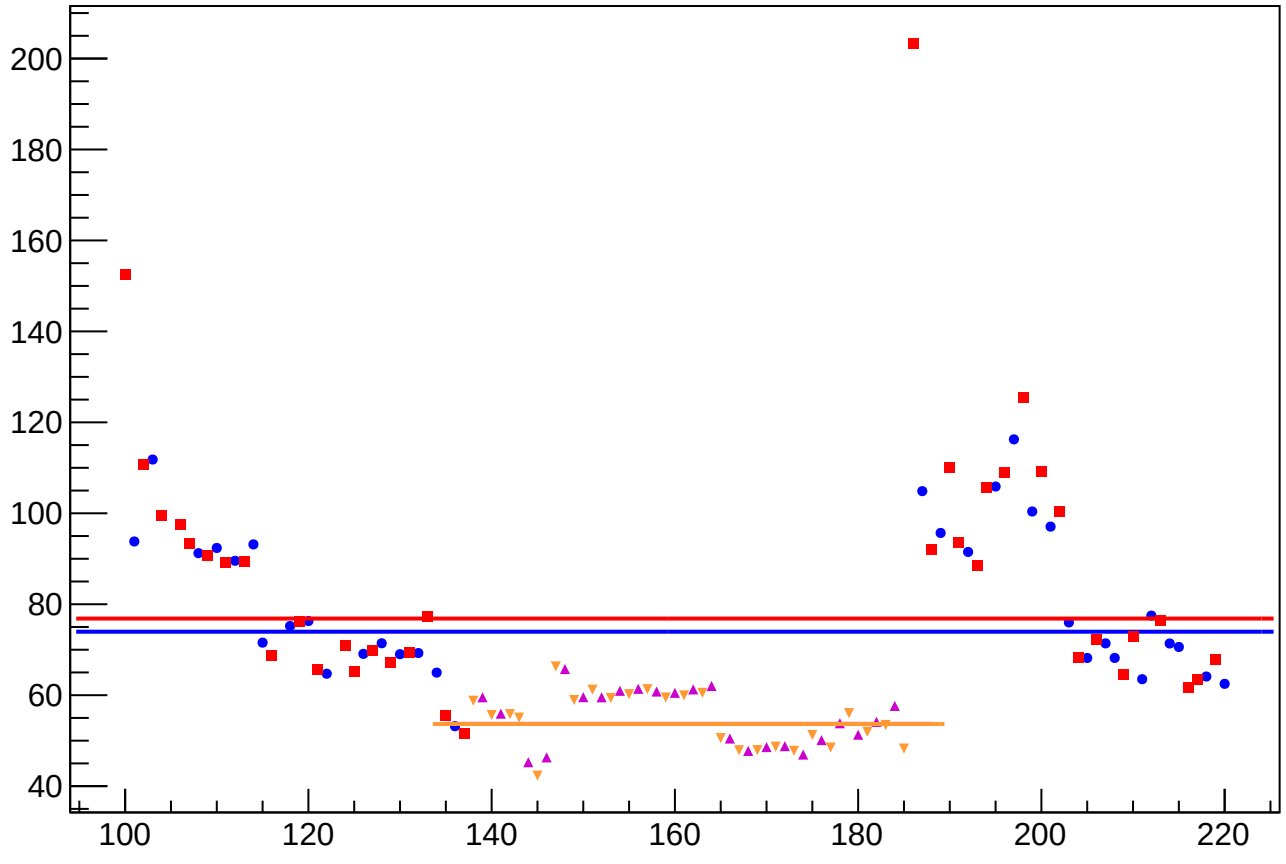
Right: 772.986+/-0.087 χ^2/NDF: 5797806.8/69

In: 405.887+/-0.051 χ^2/NDF:13999062.6/55

Out: 403.444+/-0.050 χ^2/NDF:16310929.3/61

All: 404.652+/-0.036 χ^2/NDF: 30311166.4/11


eigen_cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
220
Right In: -0.799+/-16.519 χ²/NDF: 28.7/32
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 11.821+/-17.115 χ²/NDF: 60.7/36
Left In: -21.335+/-12.649 χ²/NDF:25.4/22
Left: -7.000+/-8.814 χ²/NDF: 78.5/47
Right: 5.287+/-11.886 χ²/NDF: 89.7/69
In: -13.744+/-10.043 χ²/NDF:55.1/55
Out: 8.326+/-9.981 χ²/NDF:111.4/61
All: -2.641+/-7.080 χ²/NDF: 168.9/117



Right In: 73.960+/-0.012 χ^2/NDF: 1532730.3/32

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

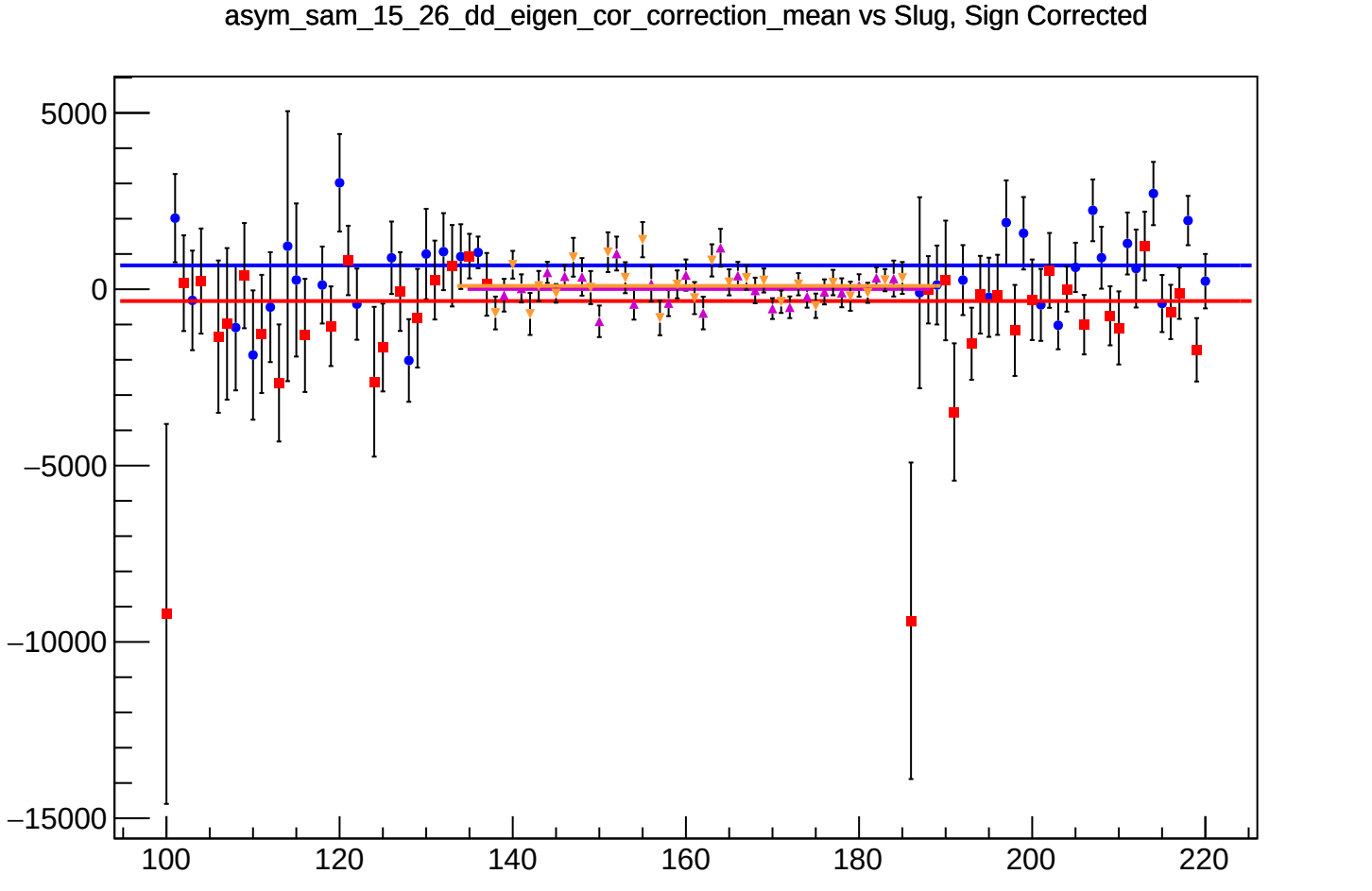
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.354+/-0.008 χ^2/NDF: 3753776.3/69

In: 61.185+/-0.007 χ^2/NDF:3901547.6/55

Out: 61.551+/-0.007 χ^2/NDF:5085553.0/61

All: 61.369+/-0.005 χ^2/NDF: 8988434.2/117



Right In: 677.097+/-169.494 χ^2/NDF: 40.5/32

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

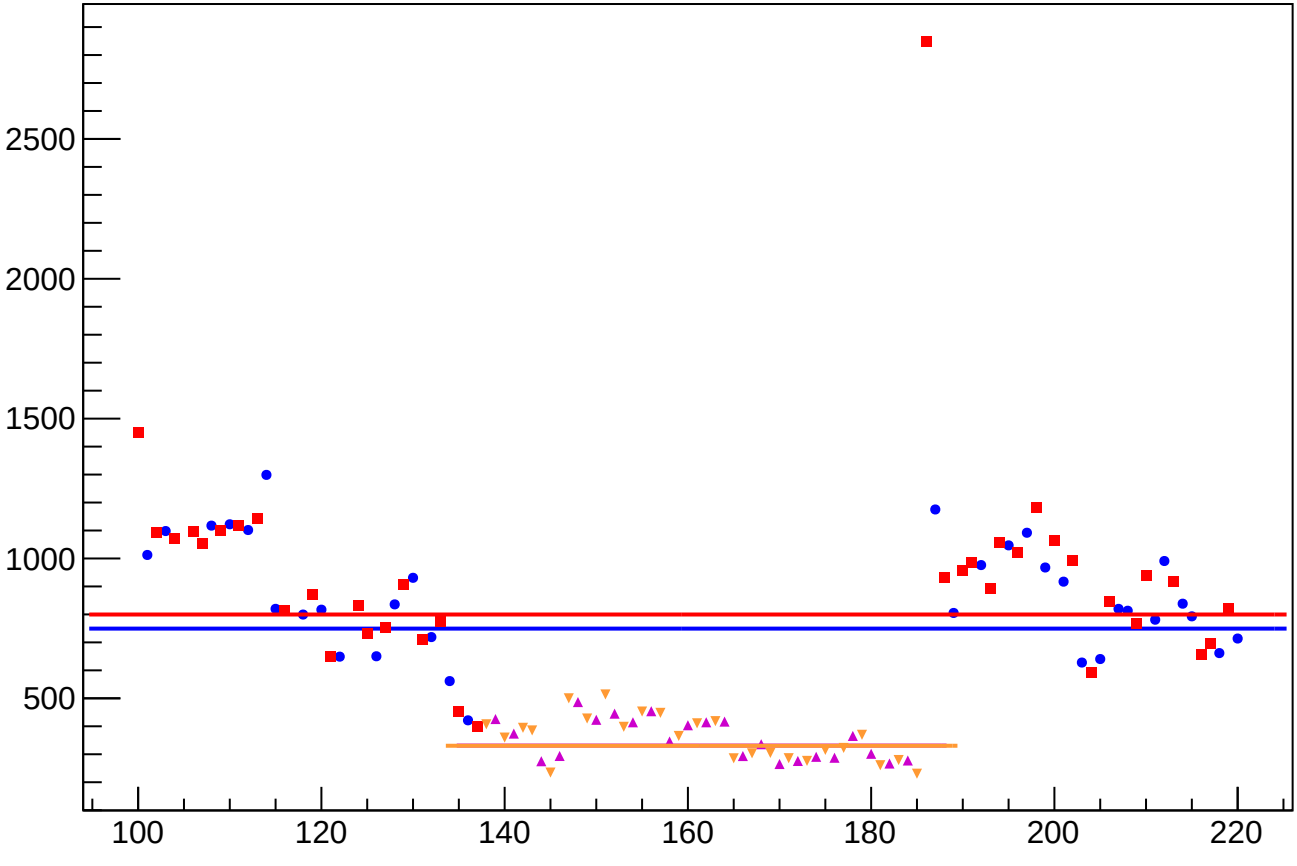
Right: 200.895+/-123.286 χ^2/NDF: 89.4/69

In: 127.623+/-71.698 χ^2/NDF:85.6/55

Out: 28.598+/-70.877 χ^2/NDF:70.1/61

All: 77.541+/-50.405 χ^2/NDF: 156.7/117

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 749.246+/-0.120 χ^2/NDF: 2677195.1/32

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

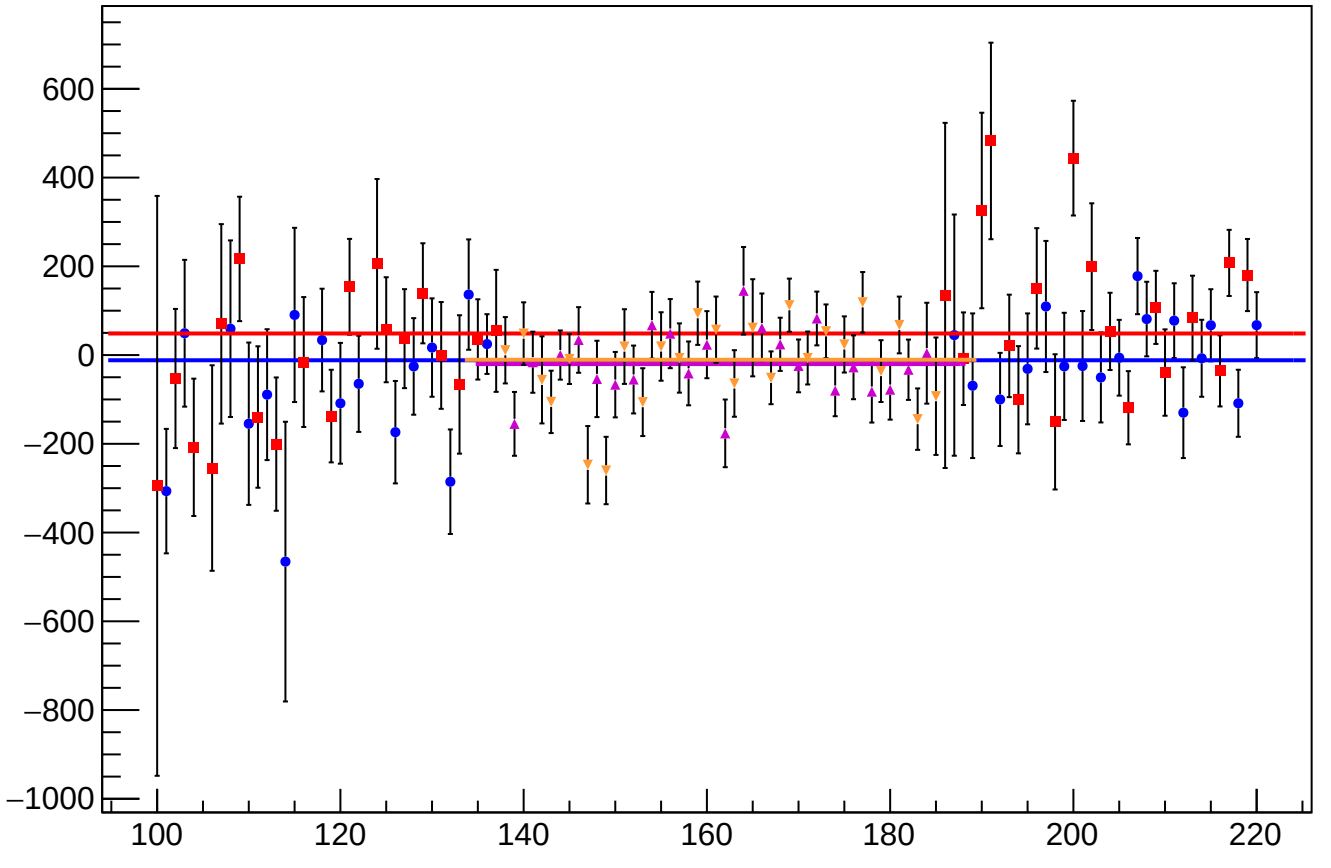
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 772.986+/-0.087 χ^2/NDF: 5797806.8/69

In: 405.887+/-0.051 χ^2/NDF:13999062.6/55

Out: 403.444+/-0.050 χ^2/NDF:16310929.3/61

All: 404.652+/-0.036 χ^2/NDF: 30311166.4/11



Right In: -11.702+/-18.863 χ^2/NDF: 32.0/32

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 48.645+/-19.451 χ^2/NDF: 51.1/36

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

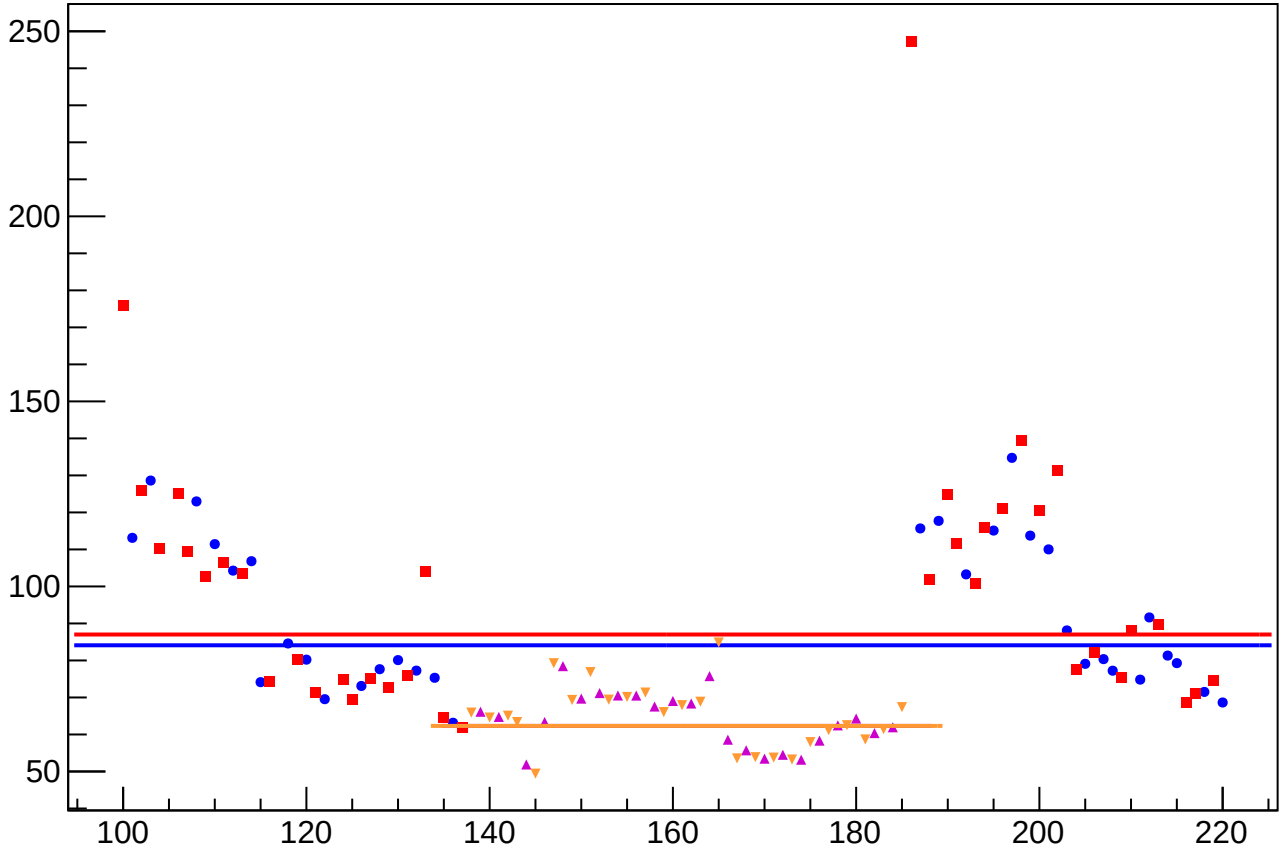
Right: 17.545+/-13.541 χ^2/NDF: 88.1/69

In: -17.041+/-11.619 χ^2/NDF:53.8/55

Out: 10.198+/-11.527 χ^2/NDF:99.3/61

All: -3.313+/-8.183 χ^2/NDF: 155.9/117

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 84.099+/-0.013 χ^2/NDF: 1638277.3/32

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 87.010+/-0.014 χ^2/NDF: 2375125.3/36

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

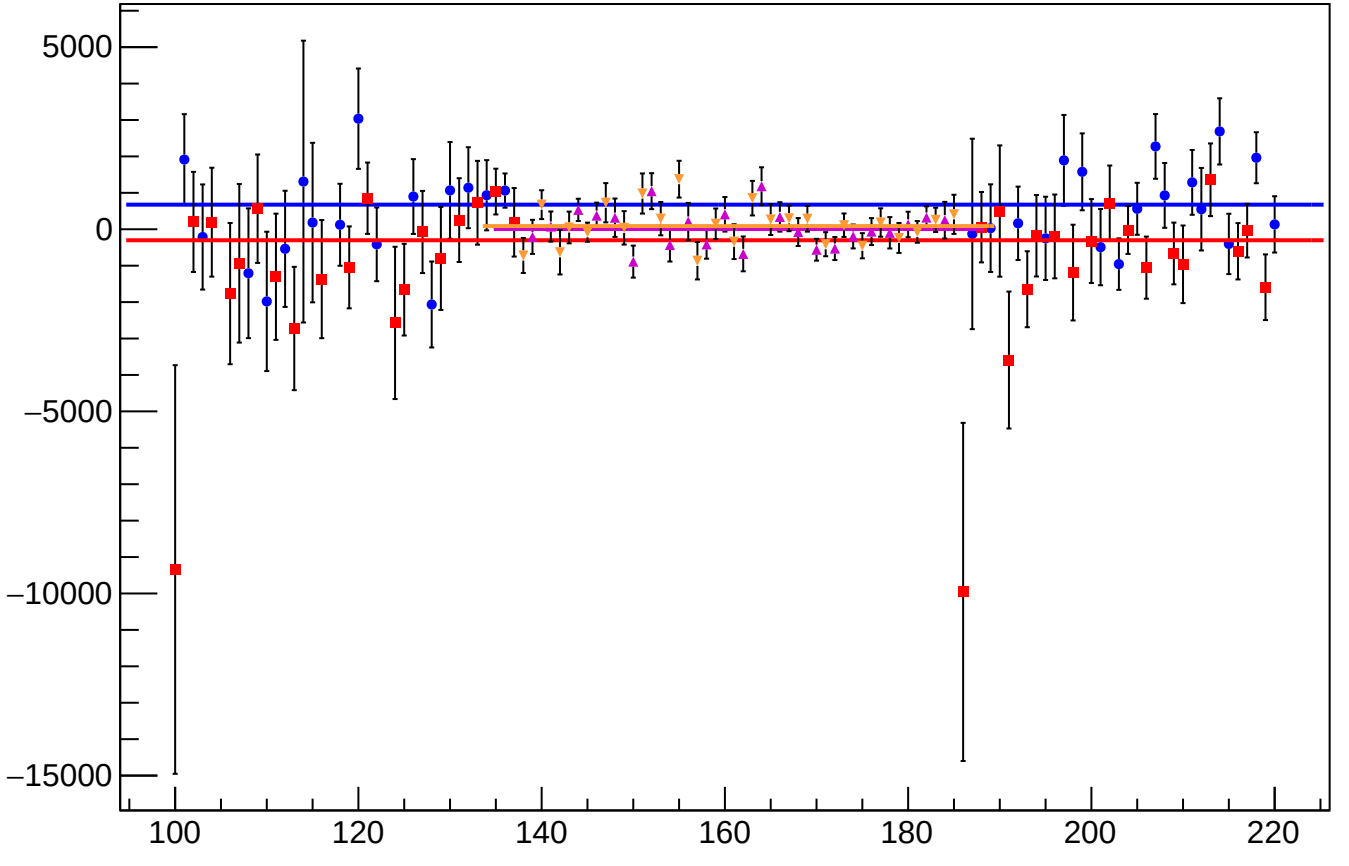
Right: 85.510+/-0.010 χ^2/NDF: 4036475.0/69

In: 70.578+/-0.008 χ^2/NDF:3778884.2/55

Out: 70.989+/-0.008 χ^2/NDF:5102747.7/61

All: 70.785+/-0.006 χ^2/NDF: 8882889.7/117

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 675.595+/-173.350 χ^2/NDF: 39.7/32

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -301.743+/-181.600 χ^2/NDF: 34.3/36

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

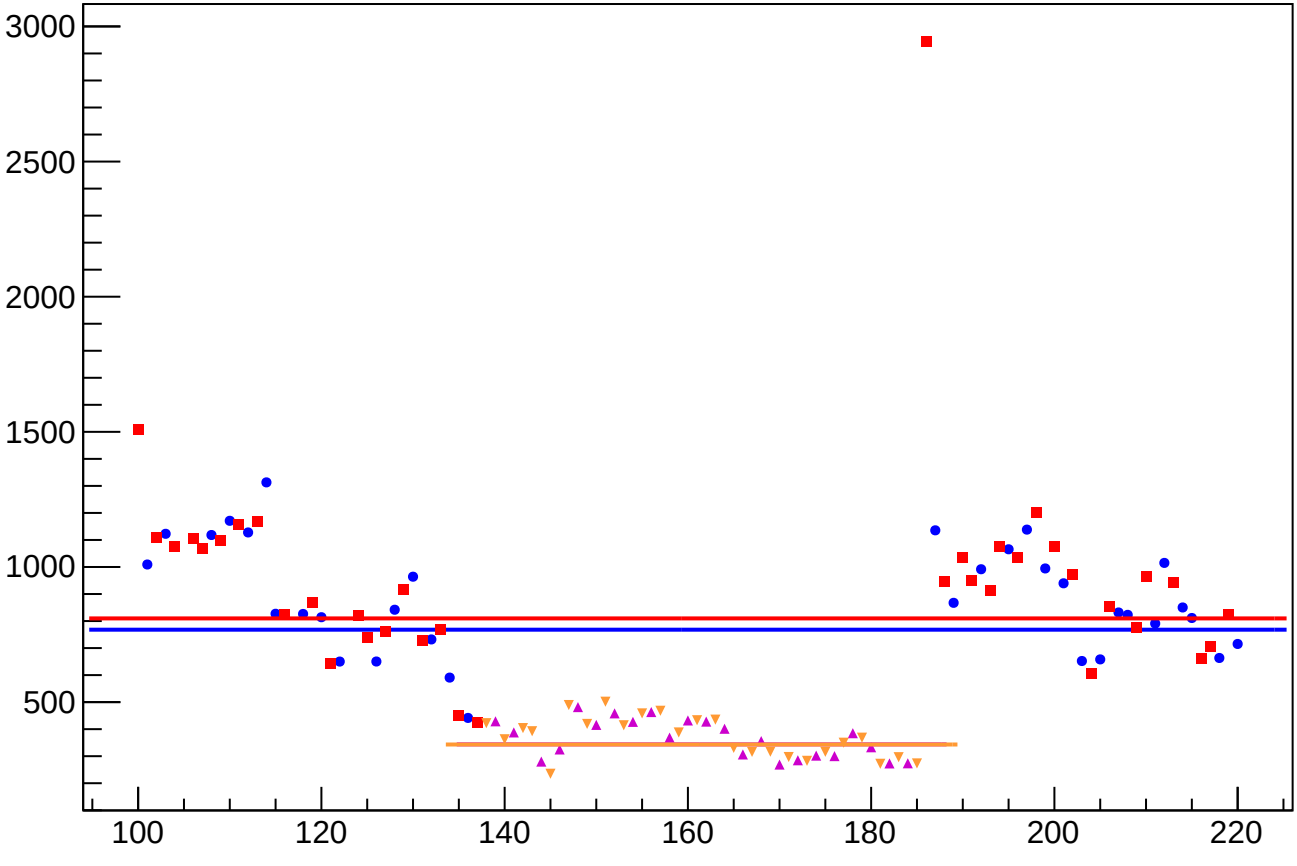
Right: 209.631+/-125.392 χ^2/NDF: 89.1/69

In: 129.109+/-74.207 χ^2/NDF:84.3/55

Out: 24.023+/-73.086 χ^2/NDF:69.8/61

All: 75.766+/-52.071 χ^2/NDF: 155.1/117

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 768.004+/-0.123 χ^2/NDF: 2553295.3/32

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 809.756+/-0.128 χ^2/NDF: 3045892.3/36

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

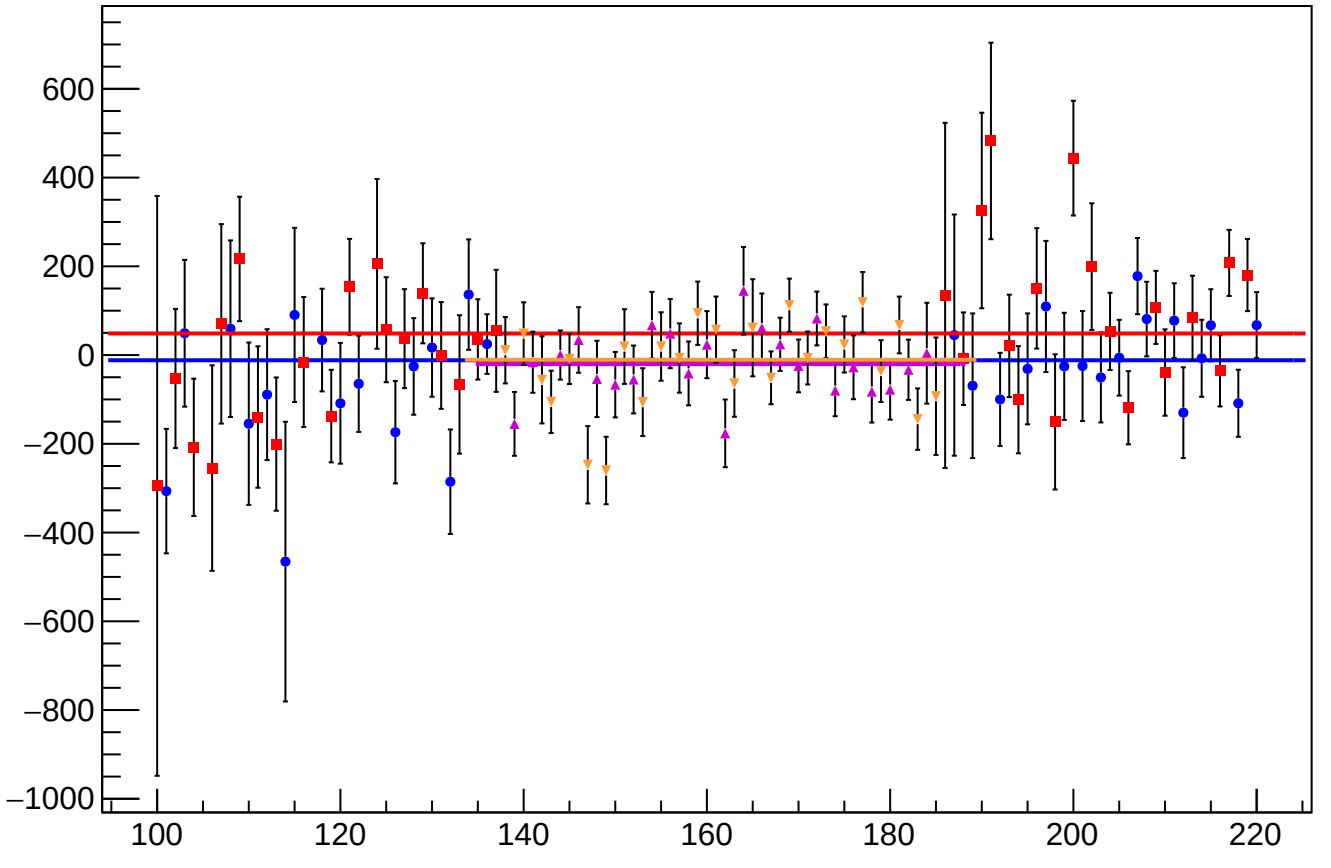
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 787.910+/-0.089 χ^2/NDF: 5654502.2/69

In: 421.467+/-0.052 χ^2/NDF:13597421.0/55

Out: 418.788+/-0.052 χ^2/NDF:15702933.6/61

All: 420.107+/-0.037 χ^2/NDF: 29301677.5/11



Right In: -11.704+/-18.863 χ^2/NDF: 32.0/32

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 48.645+/-19.451 χ^2/NDF: 51.1/36

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

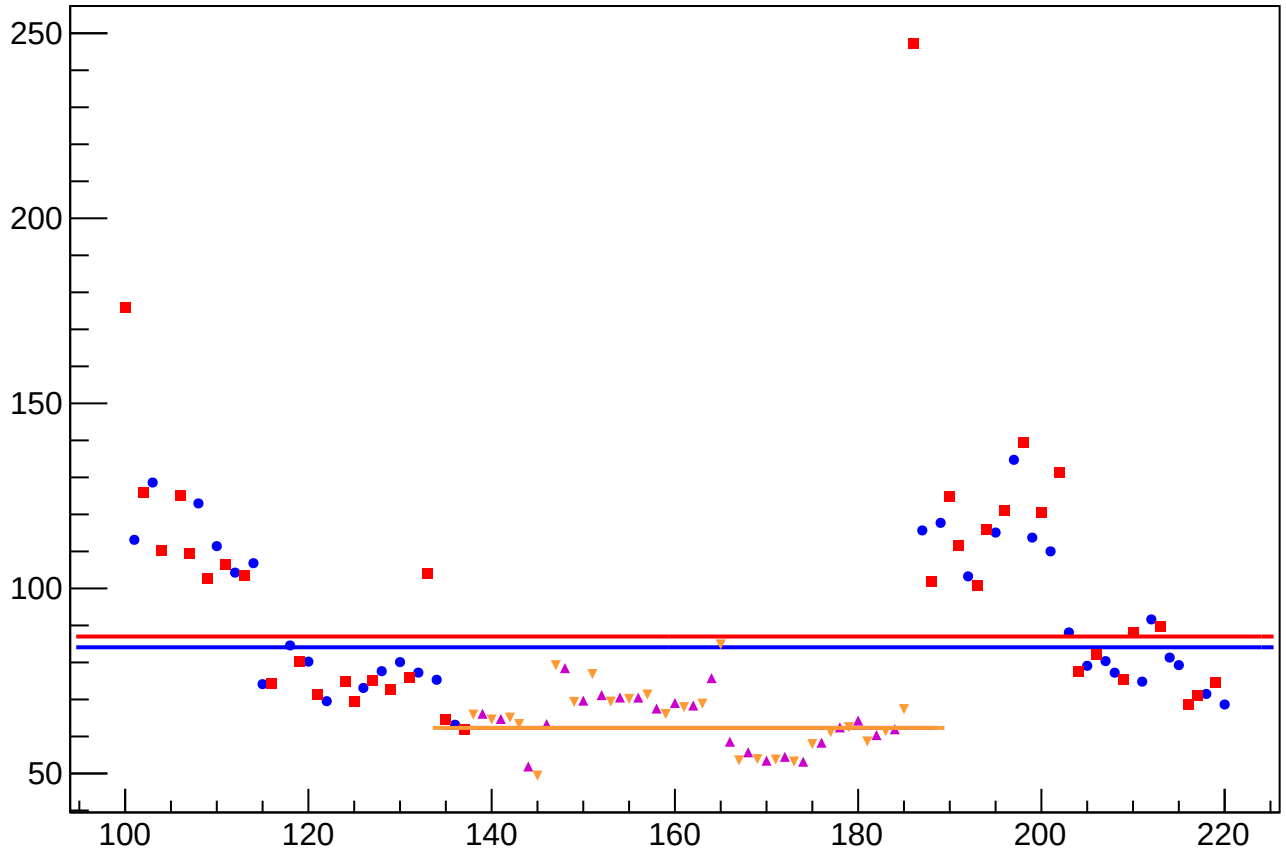
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 17.545+/-13.541 χ^2/NDF: 88.1/69

In: -17.042+/-11.619 χ^2/NDF:53.8/55

Out: 10.199+/-11.527 χ^2/NDF:99.3/61

All: -3.313+/-8.183 χ^2/NDF: 155.9/117



Right In: 84.099+/-0.013 χ^2/NDF: 1638285.2/32

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 87.009+/-0.014 χ^2/NDF: 2375114.9/36

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

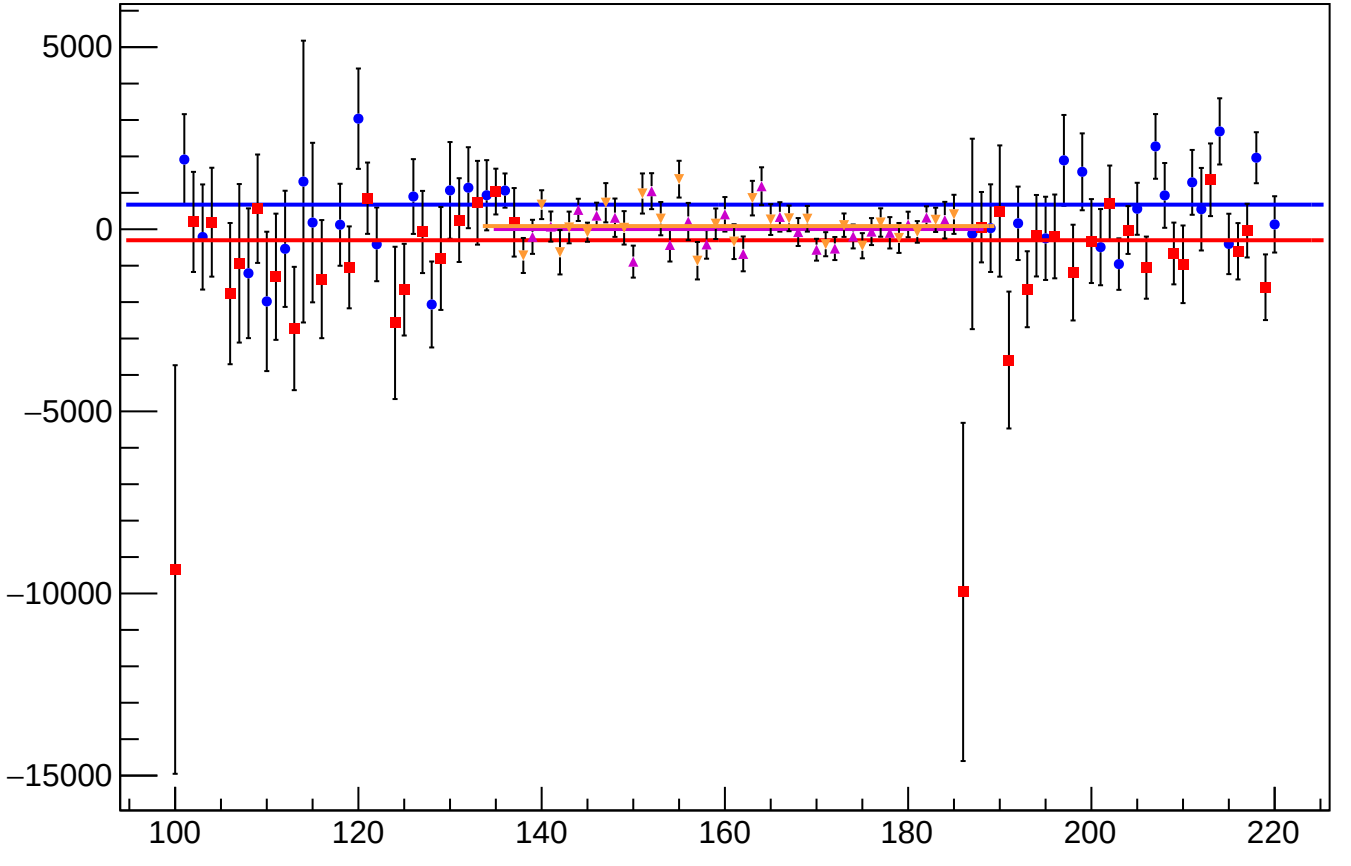
Right: 85.510+/-0.010 χ^2/NDF: 4036473.8/69

In: 70.578+/-0.008 χ^2/NDF:3778835.7/55

Out: 70.989+/-0.008 χ^2/NDF:5102716.3/61

All: 70.785+/-0.006 χ^2/NDF: 8882809.4/117

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 675.595+/-173.350 χ^2/NDF: 39.7/32

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -301.743+/-181.600 χ^2/NDF: 34.3/36

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

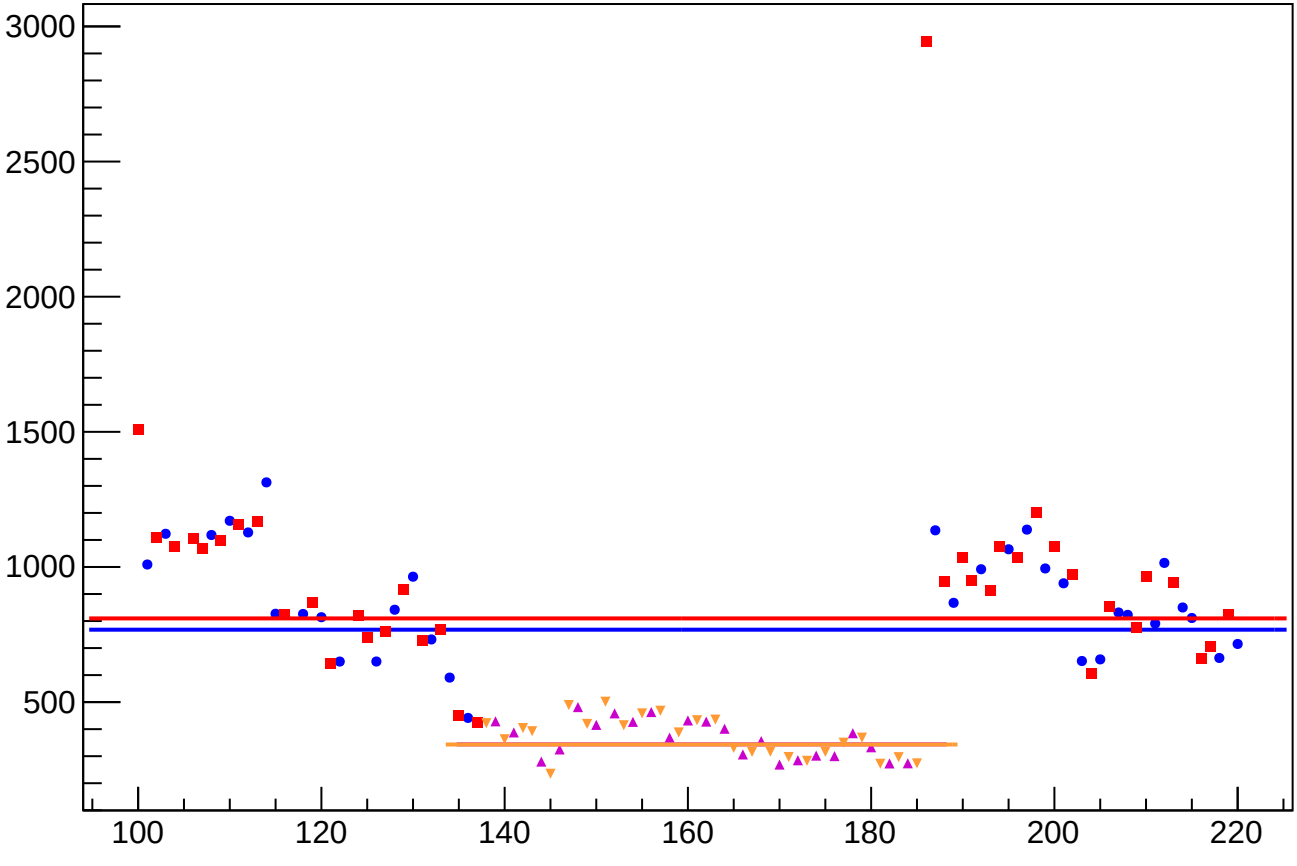
Right: 209.631+/-125.392 χ^2/NDF: 89.1/69

In: 129.109+/-74.207 χ^2/NDF:84.3/55

Out: 24.023+/-73.086 χ^2/NDF:69.8/61

All: 75.766+/-52.071 χ^2/NDF: 155.1/117

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 768.004+/-0.123 χ^2/NDF: 2553285.0/32

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 809.756+/-0.128 χ^2/NDF: 3045879.0/36

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

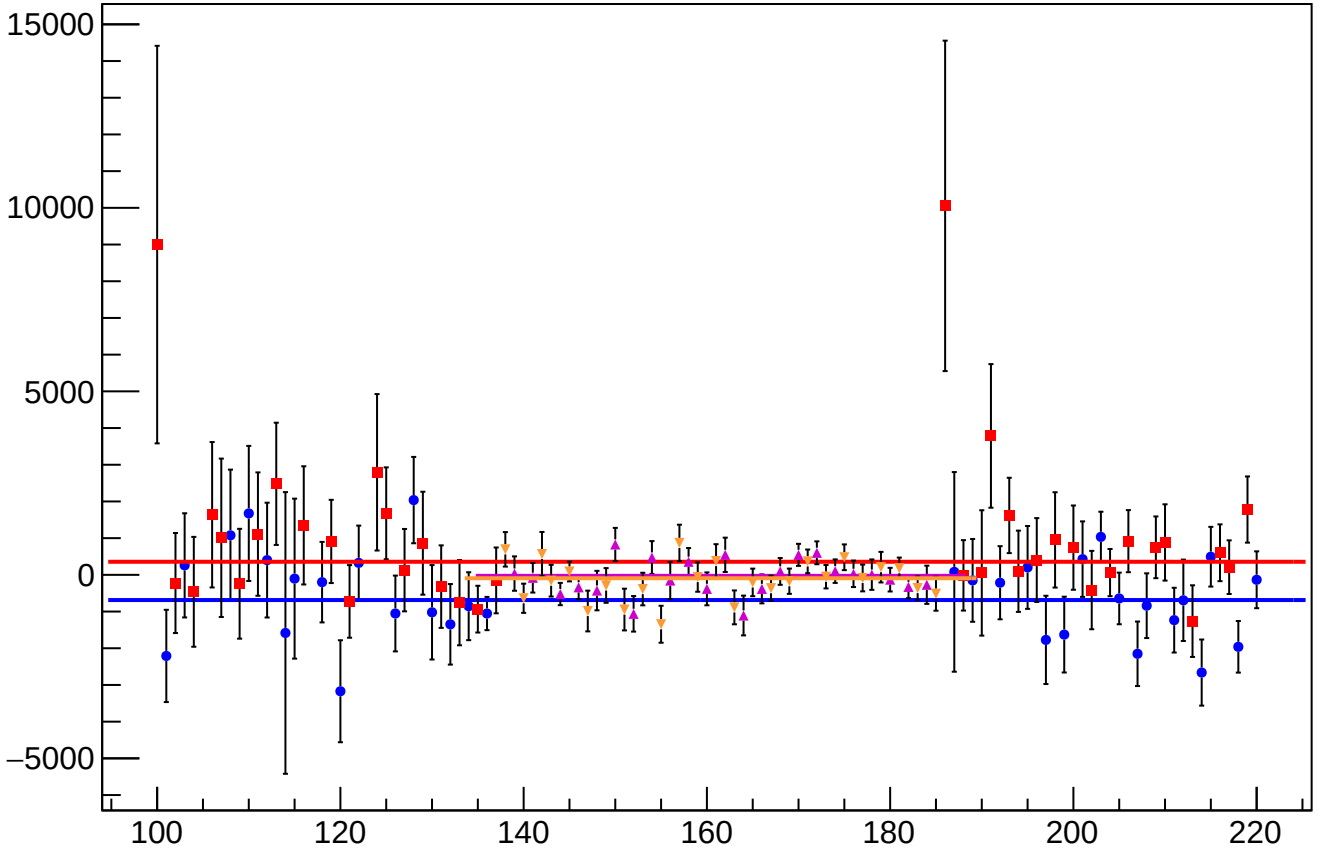
Right: 787.910+/-0.089 χ^2/NDF: 5654479.2/69

In: 421.467+/-0.052 χ^2/NDF:13597415.1/55

Out: 418.789+/-0.052 χ^2/NDF:15702943.7/61

All: 420.108+/-0.037 χ^2/NDF: 29301681.8/11

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -686.506+/-170.436 χ^2/NDF: 40.3/32

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 356.411+/-180.450 χ^2/NDF: 32.4/36

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

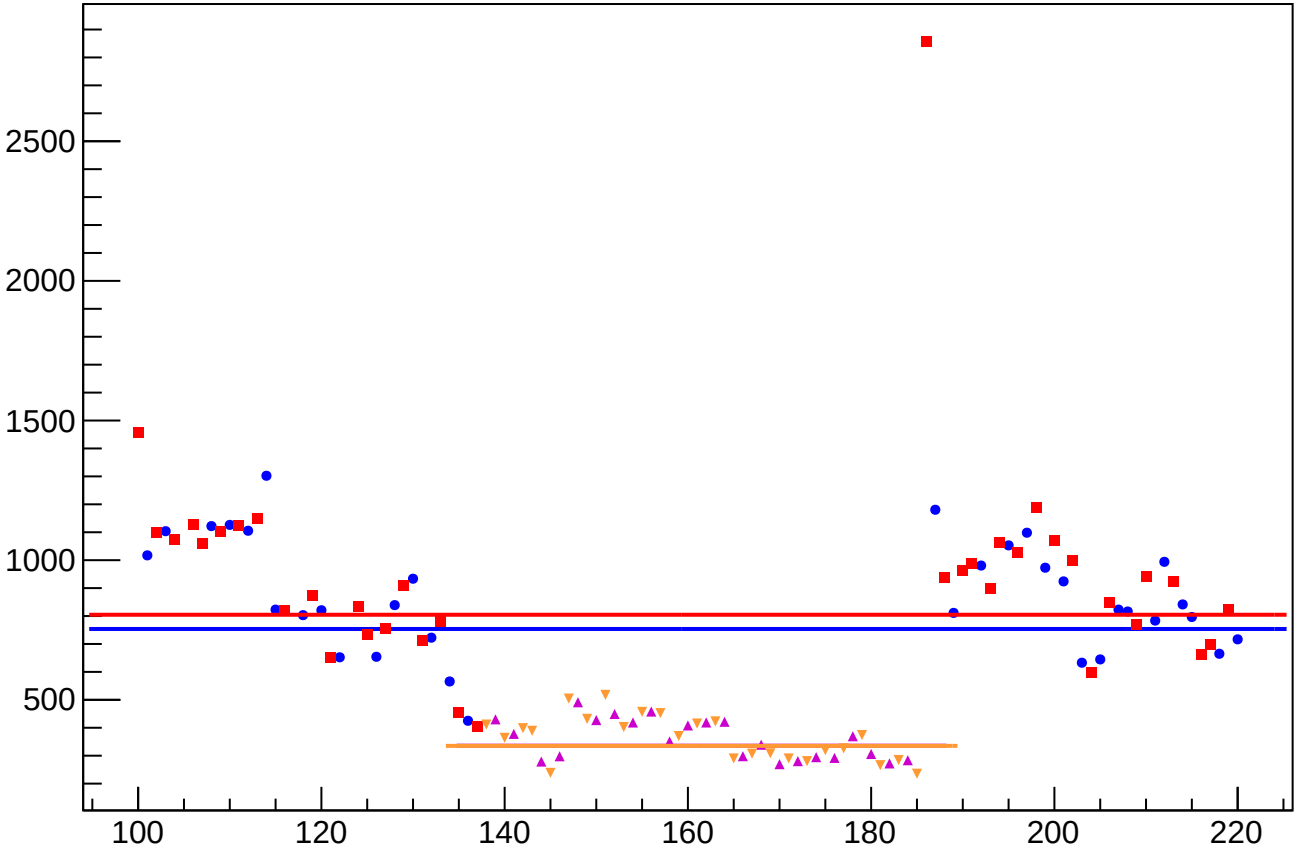
Right: -194.787+/-123.905 χ^2/NDF: 90.4/69

In: -146.718+/-72.573 χ^2/NDF:83.5/55

Out: -21.691+/-71.740 χ^2/NDF:71.9/61

All: -83.483+/-51.020 χ^2/NDF: 156.8/117

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 753.680+/-0.121 χ^2/NDF: 2652037.9/32

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 804.590+/-0.128 χ^2/NDF: 3035470.3/36

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

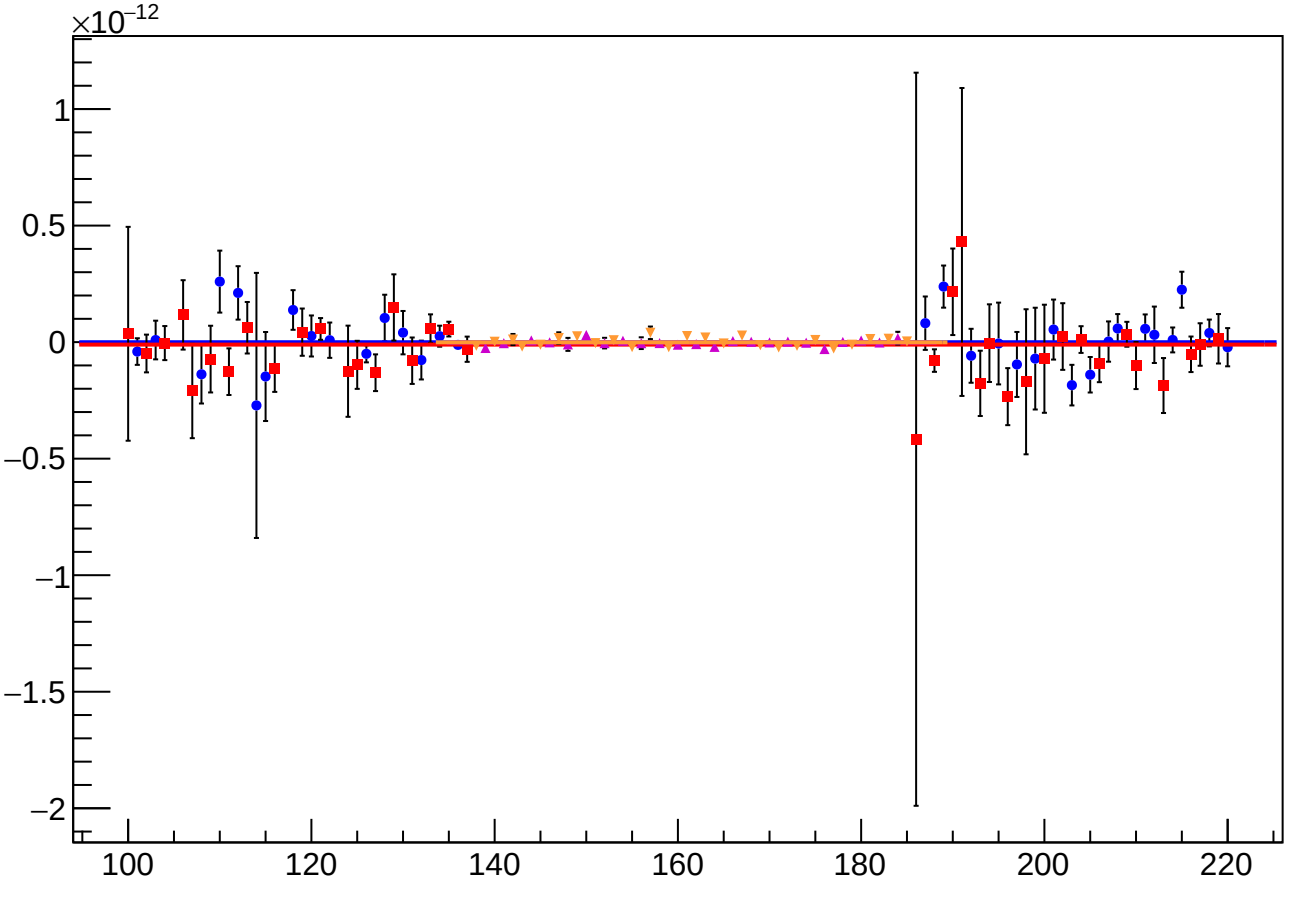
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 777.683+/-0.088 χ^2/NDF: 5771643.2/69

In: 411.556+/-0.051 χ^2/NDF:13787050.0/55

Out: 409.347+/-0.051 χ^2/NDF:16137689.9/61

All: 410.439+/-0.036 χ^2/NDF: 29925677.0/11



Right In: -0.000+/-0.000 χ^2/NDF: 44.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

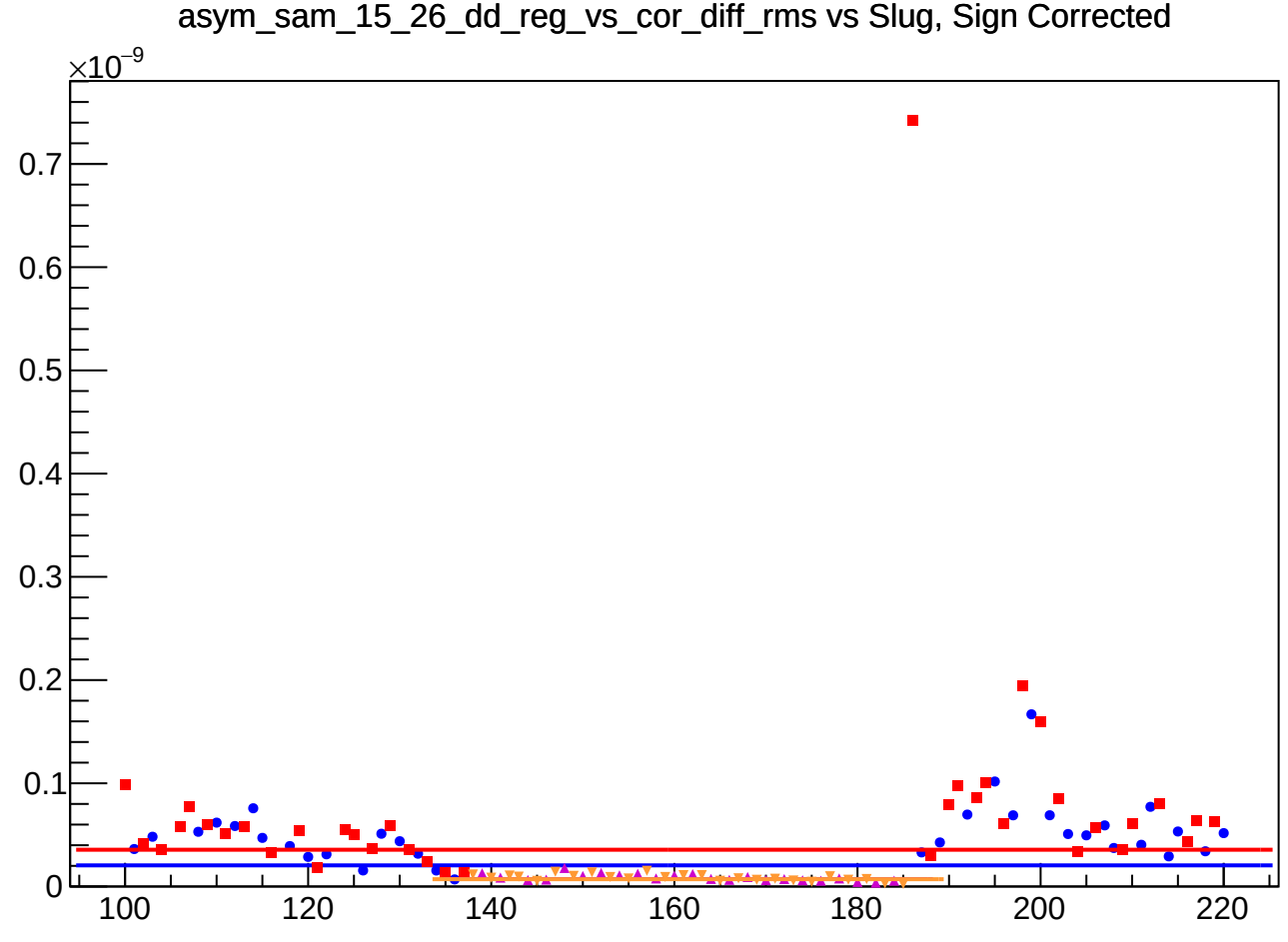
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 77.7/69

In: -0.000+/-0.000 χ^2/NDF:59.6/55

Out: -0.000+/-0.000 χ^2/NDF:66.2/61

All: -0.000+/-0.000 χ^2/NDF: 125.9/117



Right In: 0.000+/-0.000 χ^2/NDF: 8836714.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5623127.9/36

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

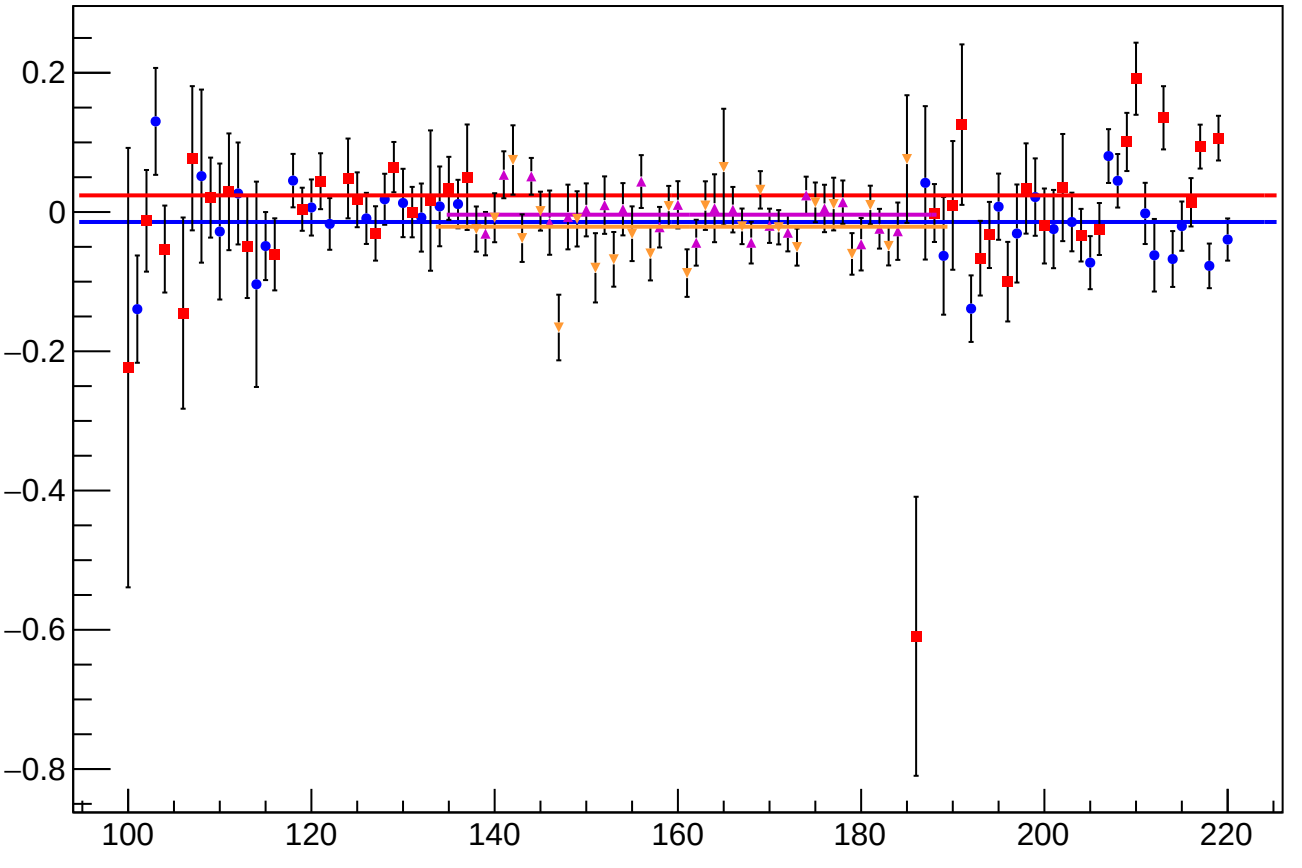
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16146551.7/69

In: 0.000+/-0.000 χ^2/NDF:14142938.0/55

Out: 0.000+/-0.000 χ^2/NDF:16035931.7/61

All: 0.000+/-0.000 χ^2/NDF: 30182635.0/117



Right In: -0.014+/-0.008 χ^2/NDF: 38.3/32

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

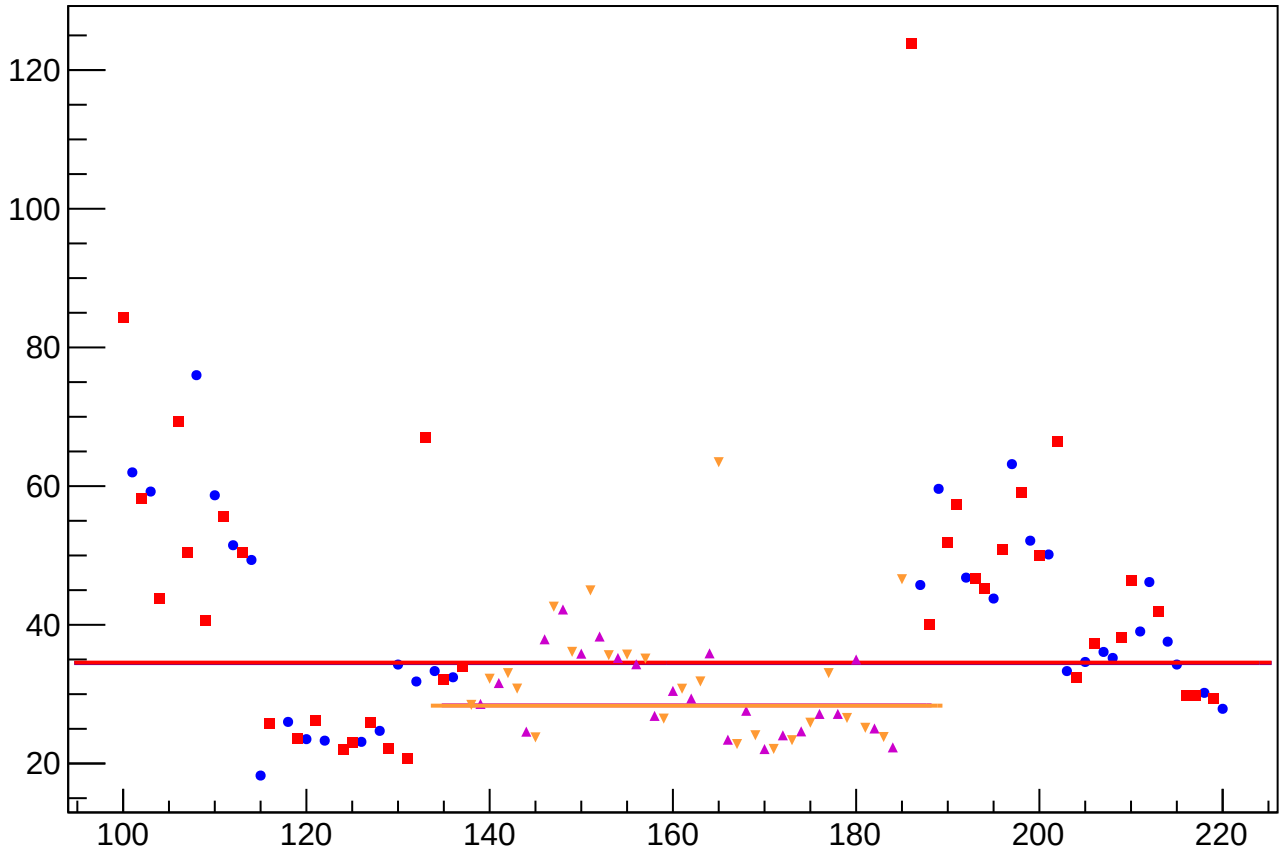
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.005+/-0.006 χ^2/NDF: 118.4/69

In: -0.008+/-0.005 χ^2/NDF:57.9/55

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 183.0/117



Right In: 34.483+/-0.006 χ^2/NDF: 3298851.3/32

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

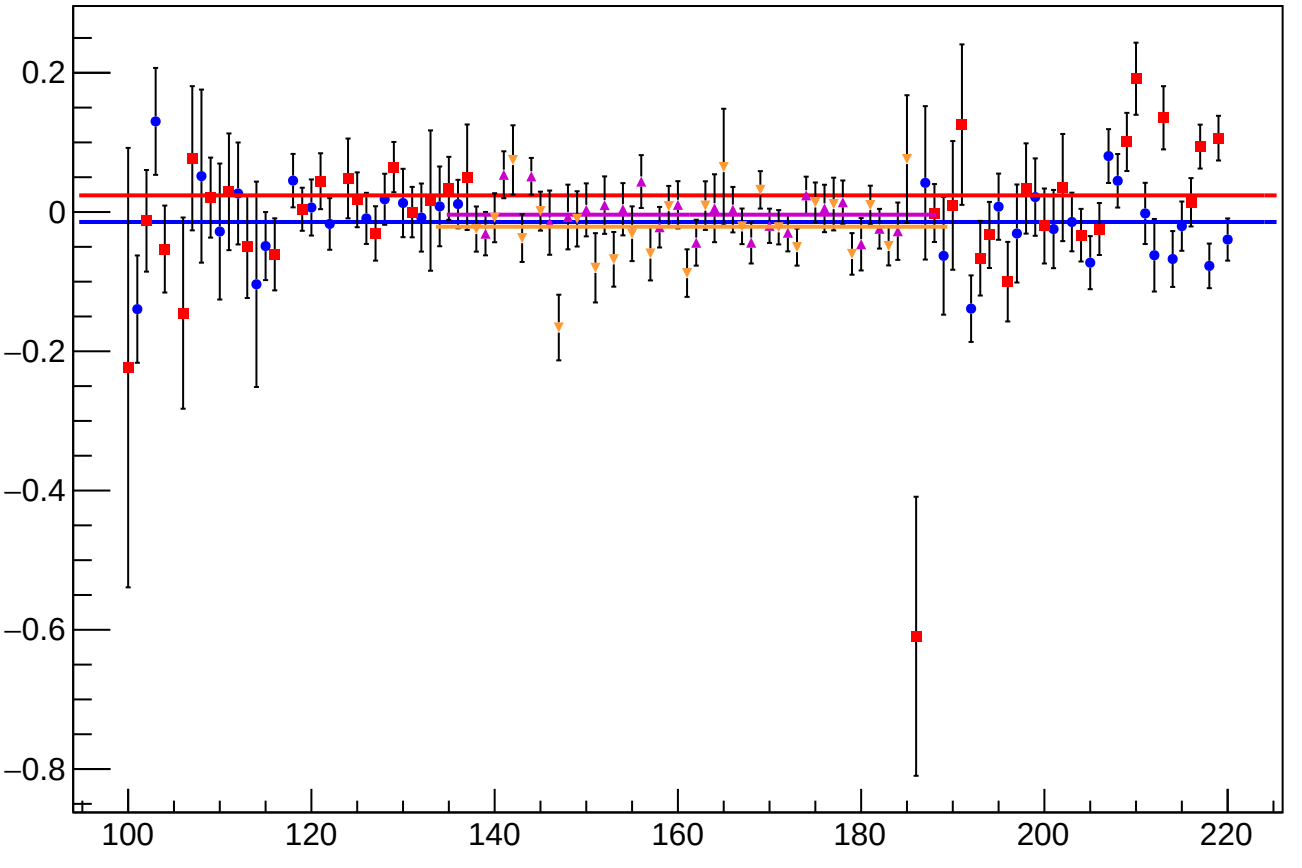
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.514+/-0.004 χ^2/NDF: 7586273.5/69

In: 30.964+/-0.004 χ^2/NDF:5064469.9/55

Out: 30.870+/-0.004 χ^2/NDF:6726078.2/61

All: 30.916+/-0.003 χ^2/NDF: 11790876.6/117



Right In: -0.014+/-0.008 χ^2/NDF: 38.3/32

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

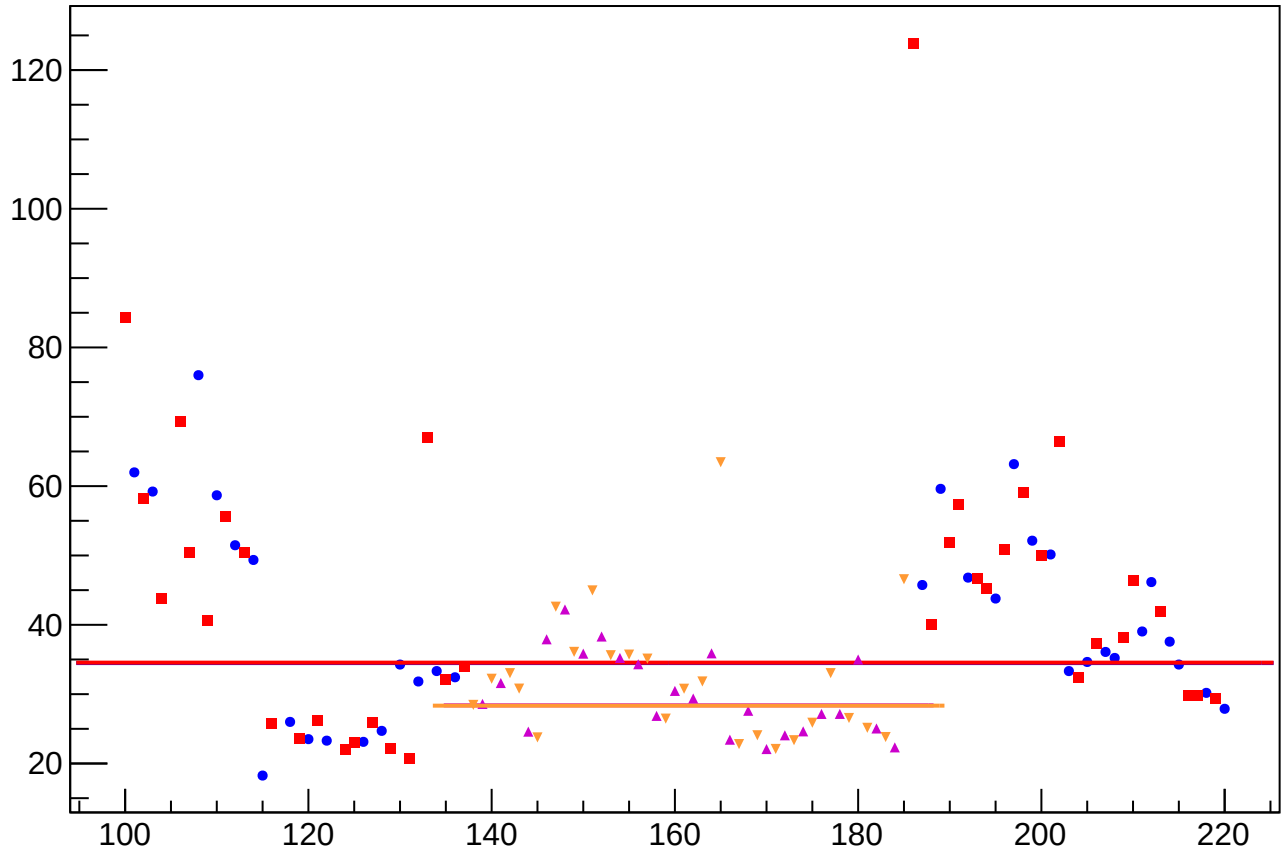
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.005+/-0.006 χ^2/NDF: 118.4/69

In: -0.008+/-0.005 χ^2/NDF:57.9/55

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 183.0/117



Right In: 34.483+/-0.006 χ^2/NDF: 3298851.3/32

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

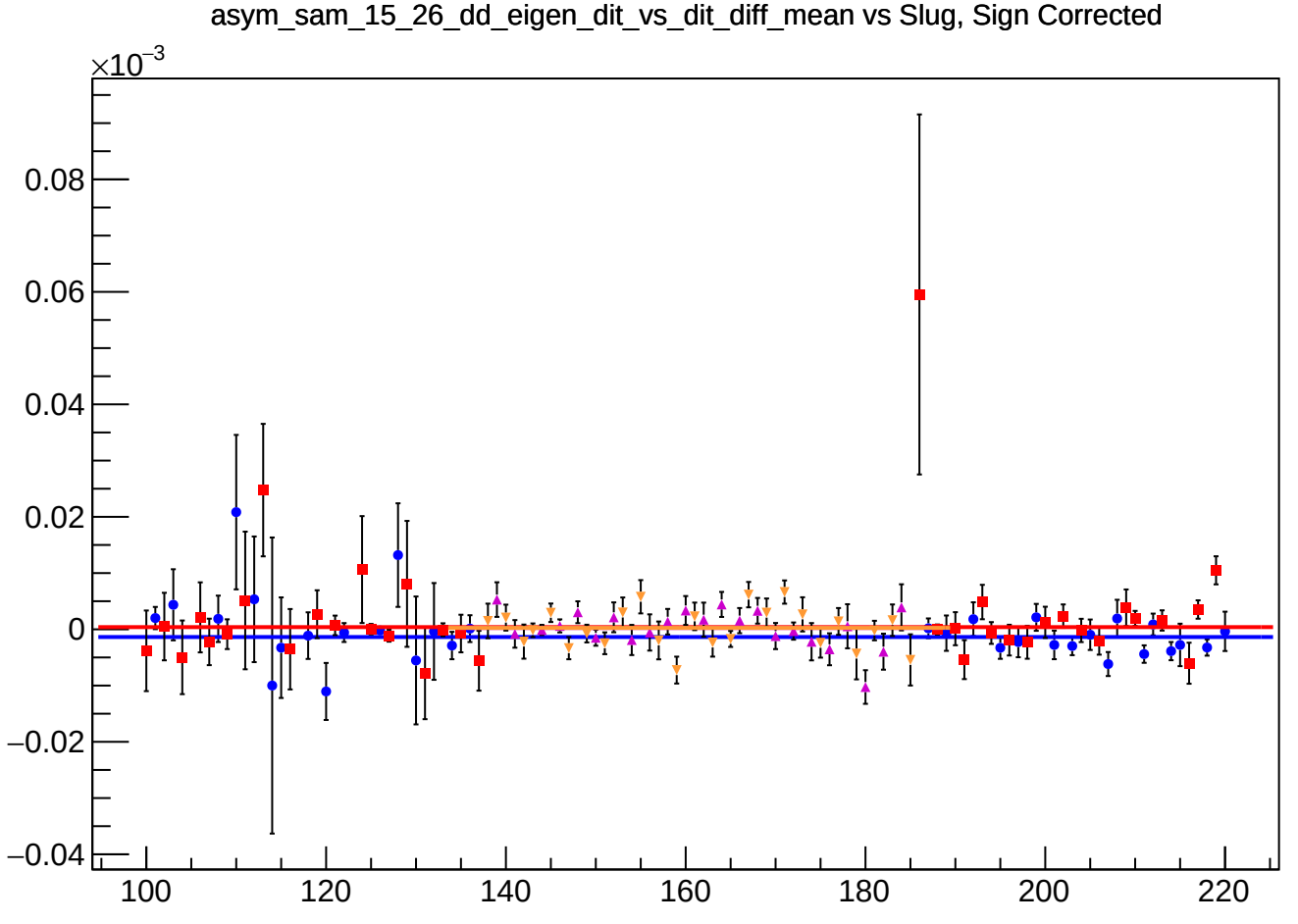
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.514+/-0.004 χ^2/NDF: 7586273.5/69

In: 30.964+/-0.004 χ^2/NDF:5064469.9/55

Out: 30.870+/-0.004 χ^2/NDF:6726078.2/61

All: 30.916+/-0.003 χ^2/NDF: 11790876.6/117



Right In: -0.000+/-0.000 χ^2/NDF: 38.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 51.6/36

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

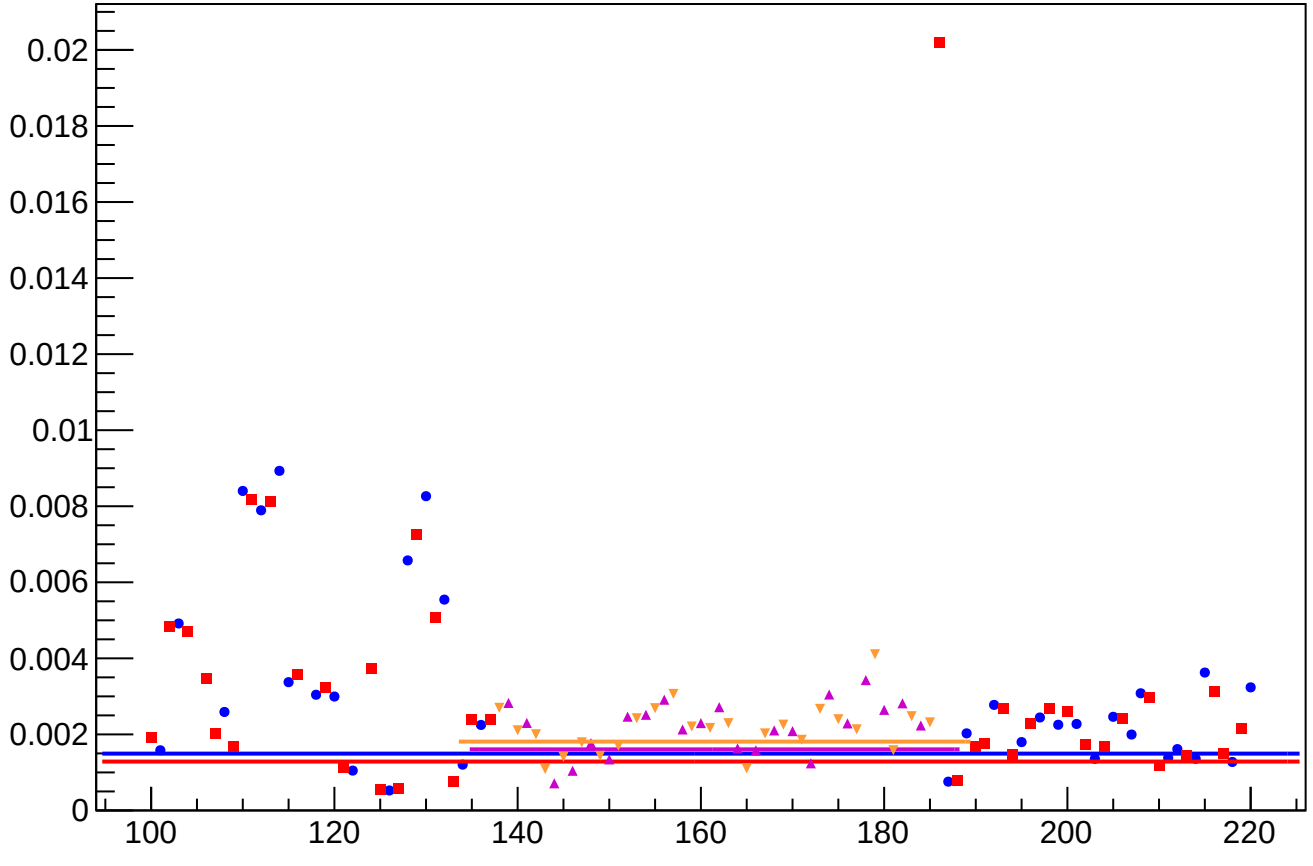
Right: -0.000+/-0.000 χ^2/NDF: 101.4/69

In: -0.000+/-0.000 χ^2/NDF:79.6/55

Out: 0.000+/-0.000 χ^2/NDF:102.5/61

All: -0.000+/-0.000 χ^2/NDF: 187.9/117

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10962257.8/32

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12488221.3/36

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

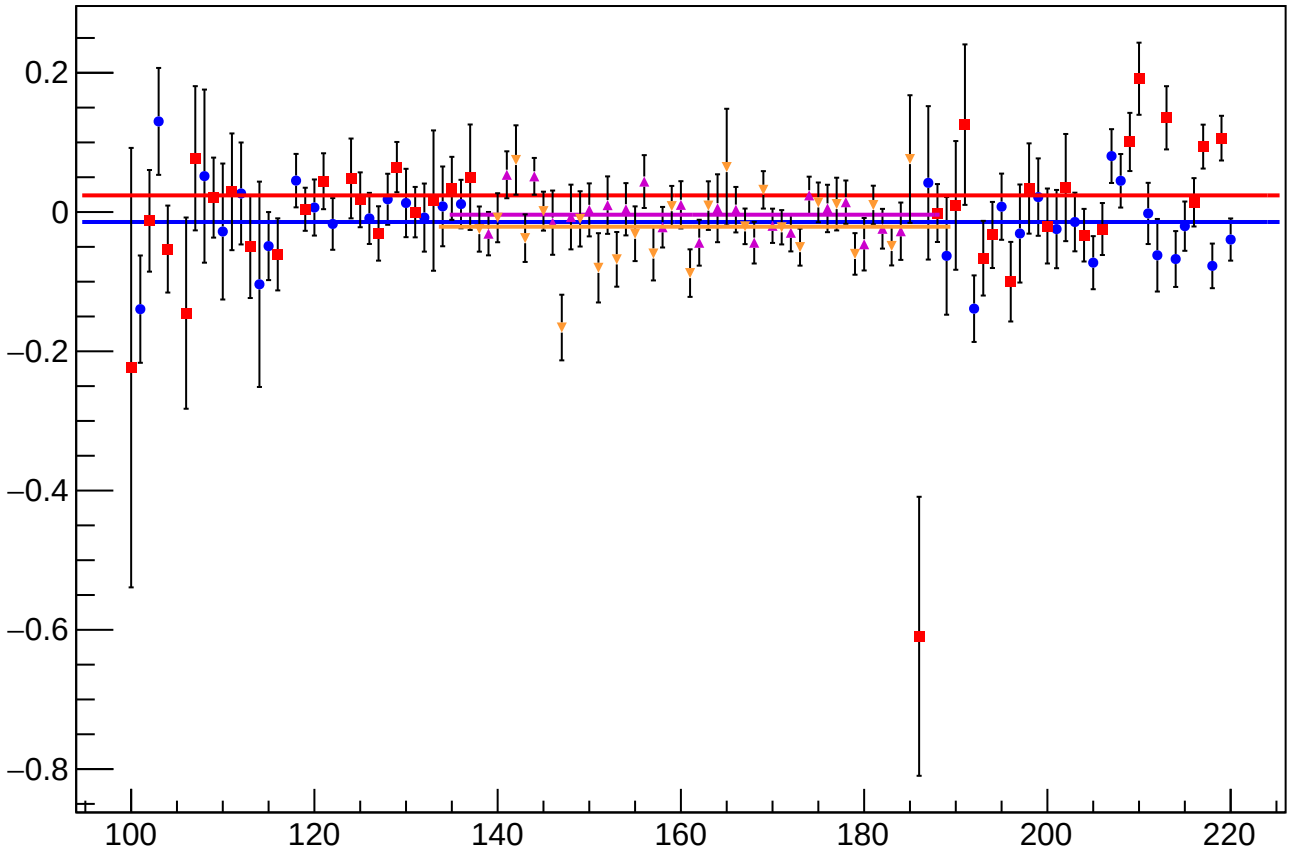
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 23763516.1/69

In: 0.002+/-0.000 χ^2/NDF:17071363.3/55

Out: 0.001+/-0.000 χ^2/NDF:17685978.2/61

All: 0.002+/-0.000 χ^2/NDF: 34793369.7/117



Right In: -0.014+/-0.008 χ^2/NDF: 38.3/32

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

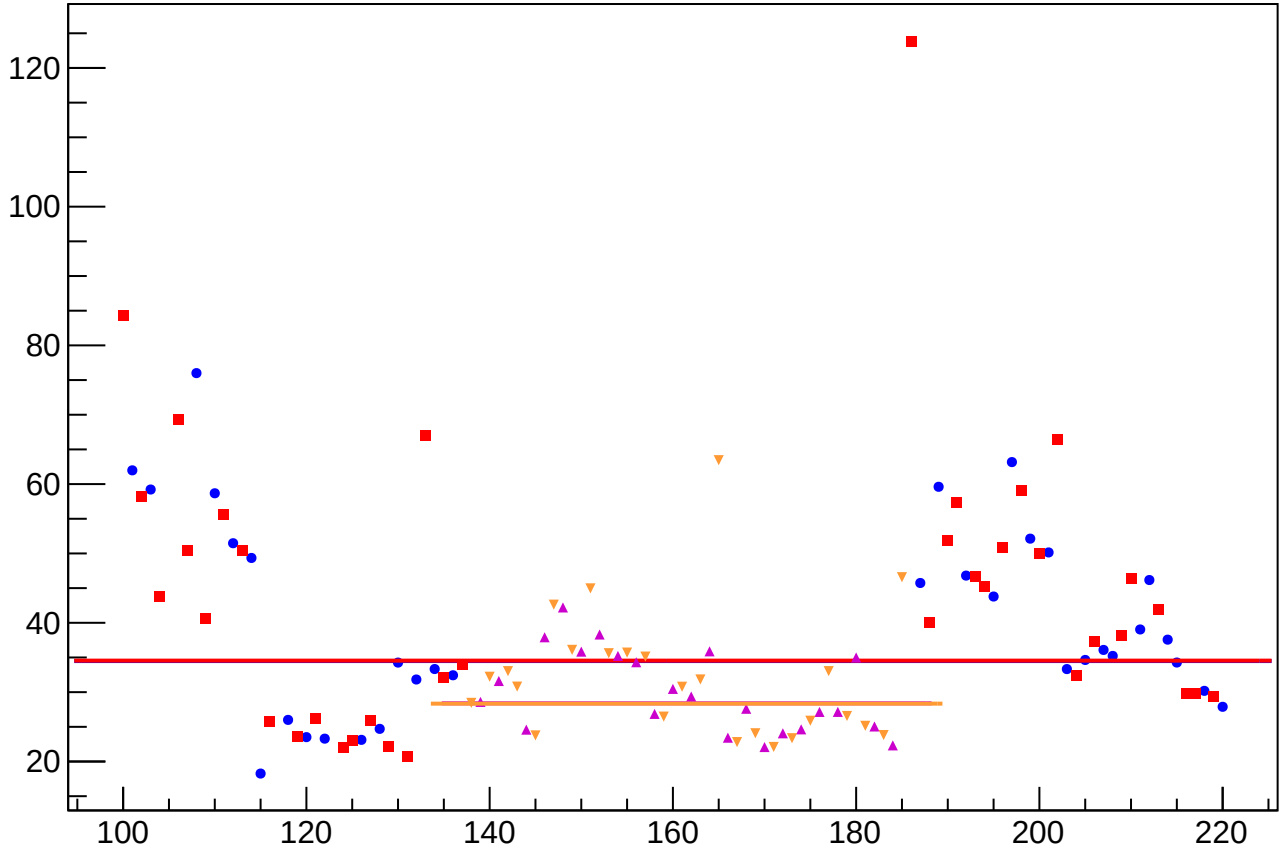
Right: 0.005+/-0.006 χ^2/NDF: 118.4/69

In: -0.008+/-0.005 χ^2/NDF:57.9/55

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 183.0/117

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.483+/-0.006 χ^2/NDF: 3298725.6/32

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

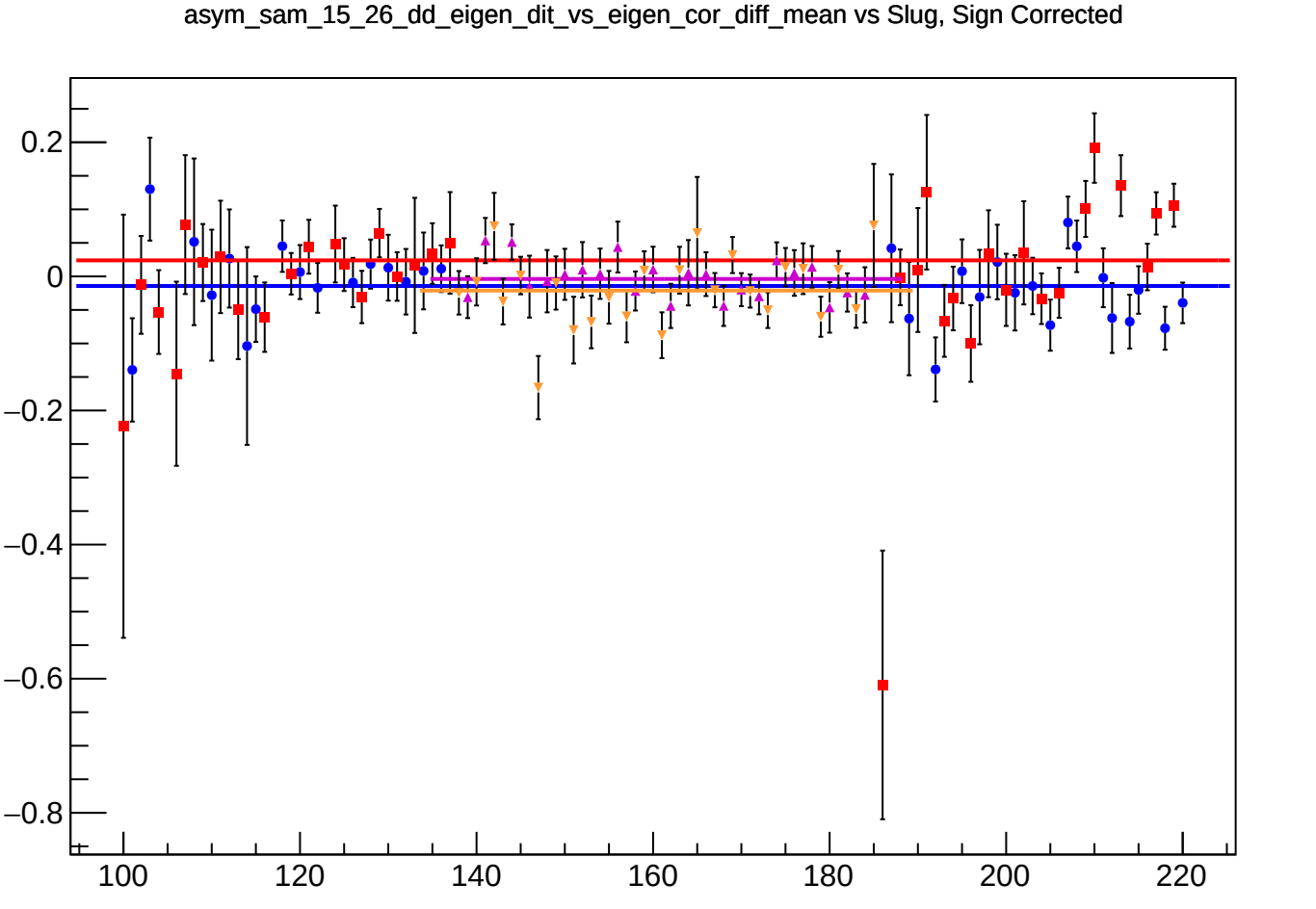
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.514+/-0.004 χ^2/NDF: 7586250.9/69

In: 30.964+/-0.004 χ^2/NDF:5064291.9/55

Out: 30.870+/-0.004 χ^2/NDF:6726092.3/61

All: 30.916+/-0.003 χ^2/NDF: 11790714.5/117



Right In: -0.014+/-0.008 χ^2/NDF: 38.3/32

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

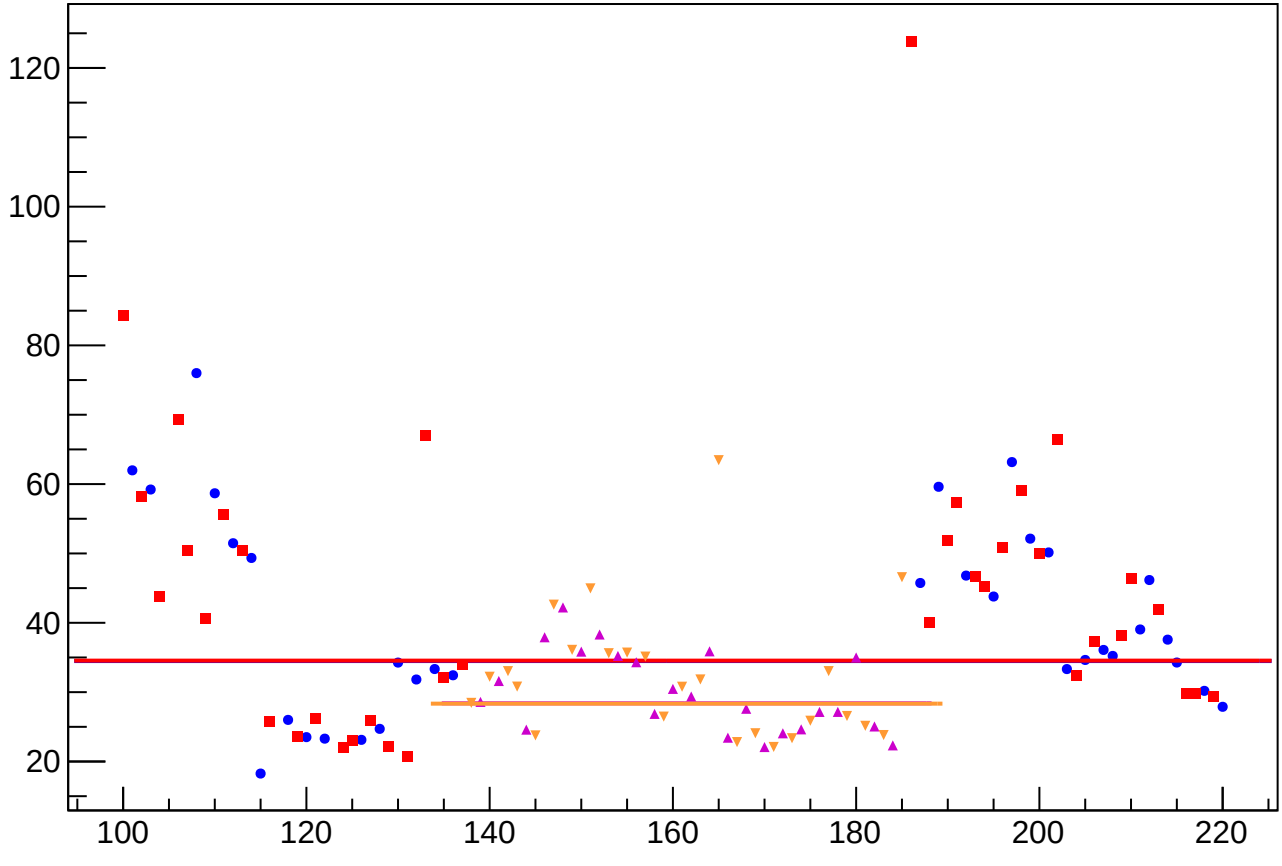
Right: 0.005+/-0.006 χ^2/NDF: 118.4/69

In: -0.008+/-0.005 χ^2/NDF:57.9/55

Out: -0.003+/-0.005 χ^2/NDF:124.5/61

All: -0.005+/-0.004 χ^2/NDF: 183.0/117

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.483+/-0.006 χ^2/NDF: 3298725.6/32

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

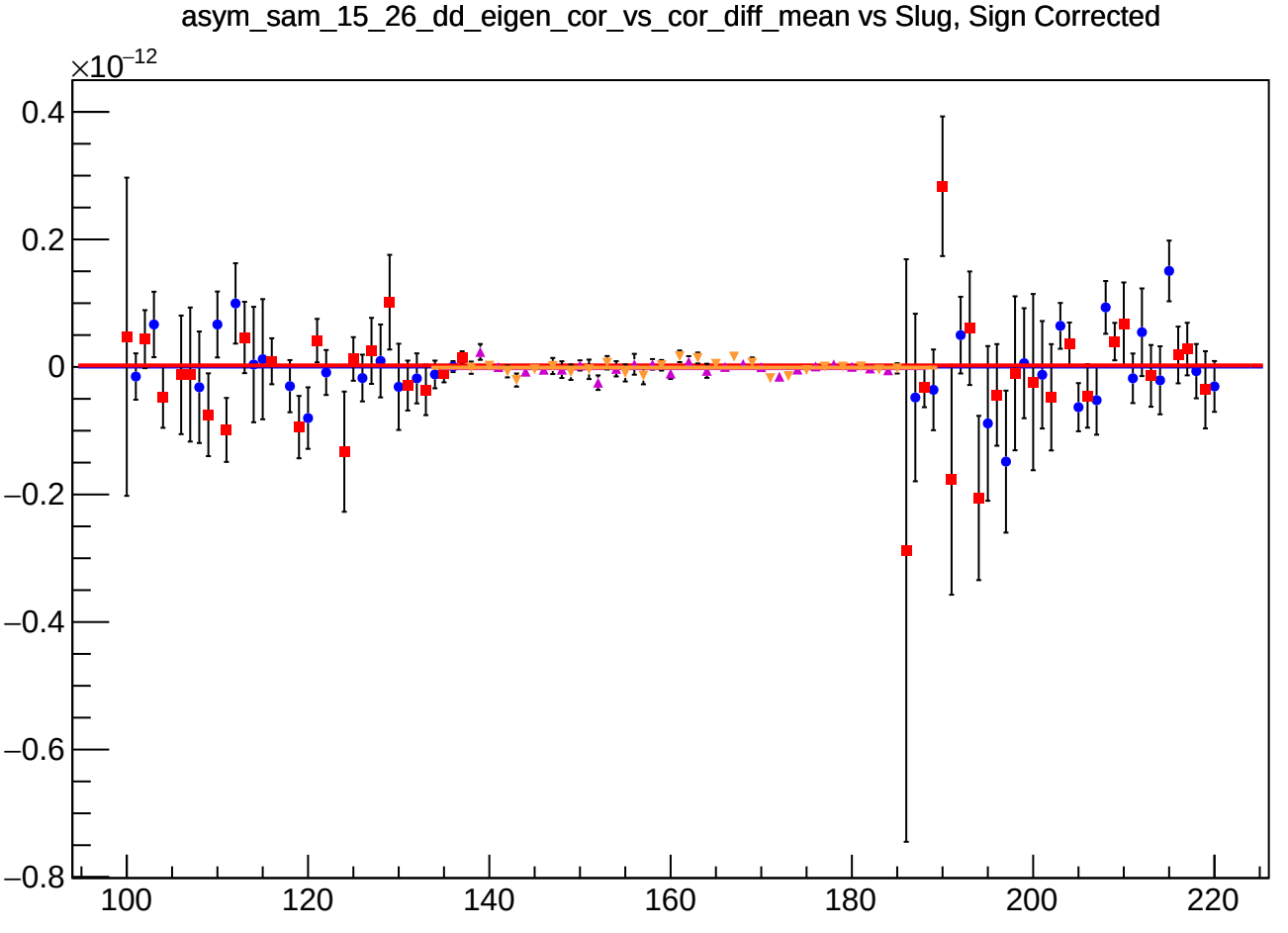
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.514+/-0.004 χ^2/NDF: 7586250.9/69

In: 30.964+/-0.004 χ^2/NDF:5064291.9/55

Out: 30.870+/-0.004 χ^2/NDF:6726092.3/61

All: 30.916+/-0.003 χ^2/NDF: 11790714.5/117



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.0/36

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

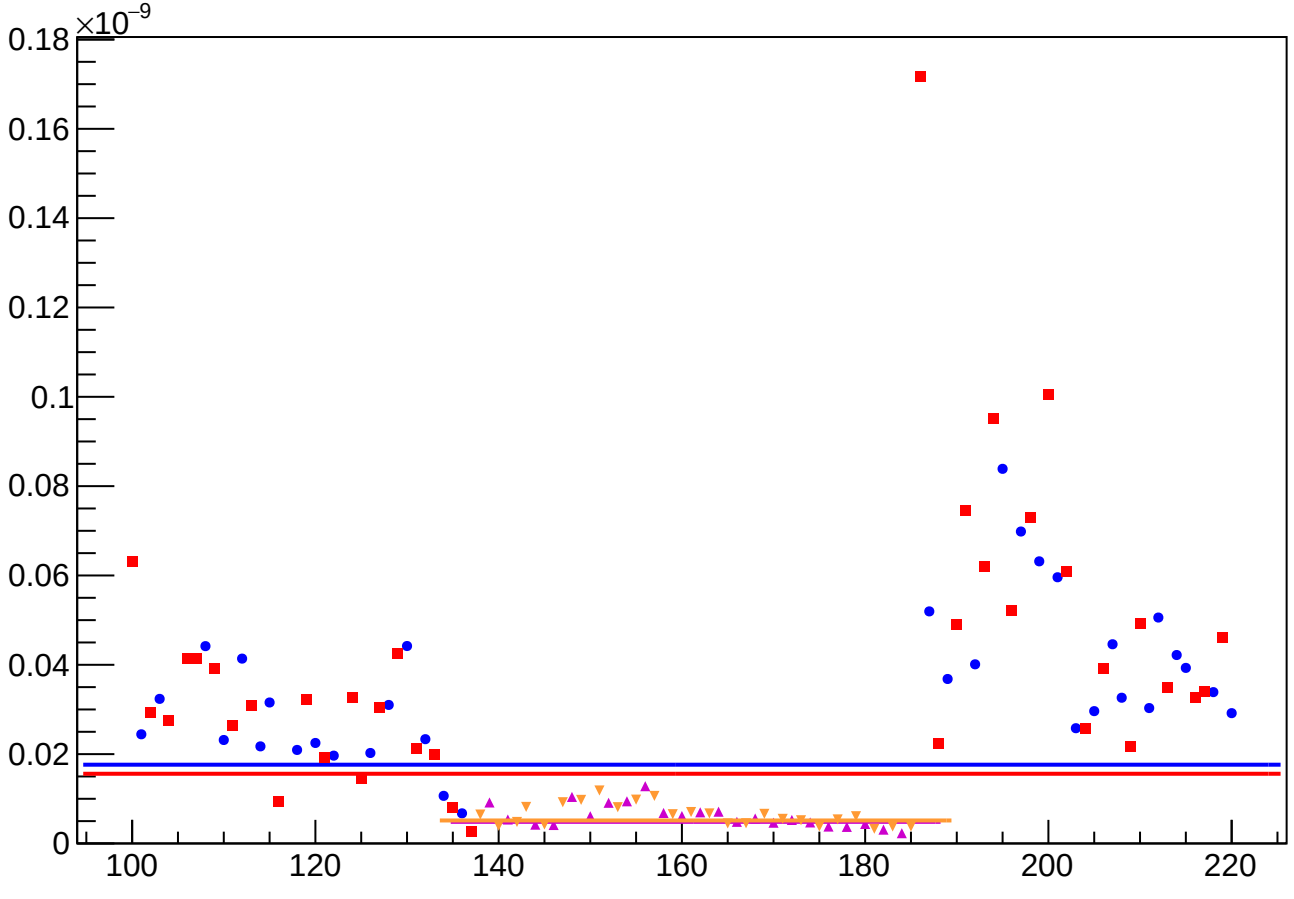
Right: 0.000+/-0.000 χ^2/NDF: 77.7/69

In: -0.000+/-0.000 χ^2/NDF:57.3/55

Out: -0.000+/-0.000 χ^2/NDF:74.4/61

All: -0.000+/-0.000 χ^2/NDF: 132.0/117

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10419165.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12938916.0/36

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

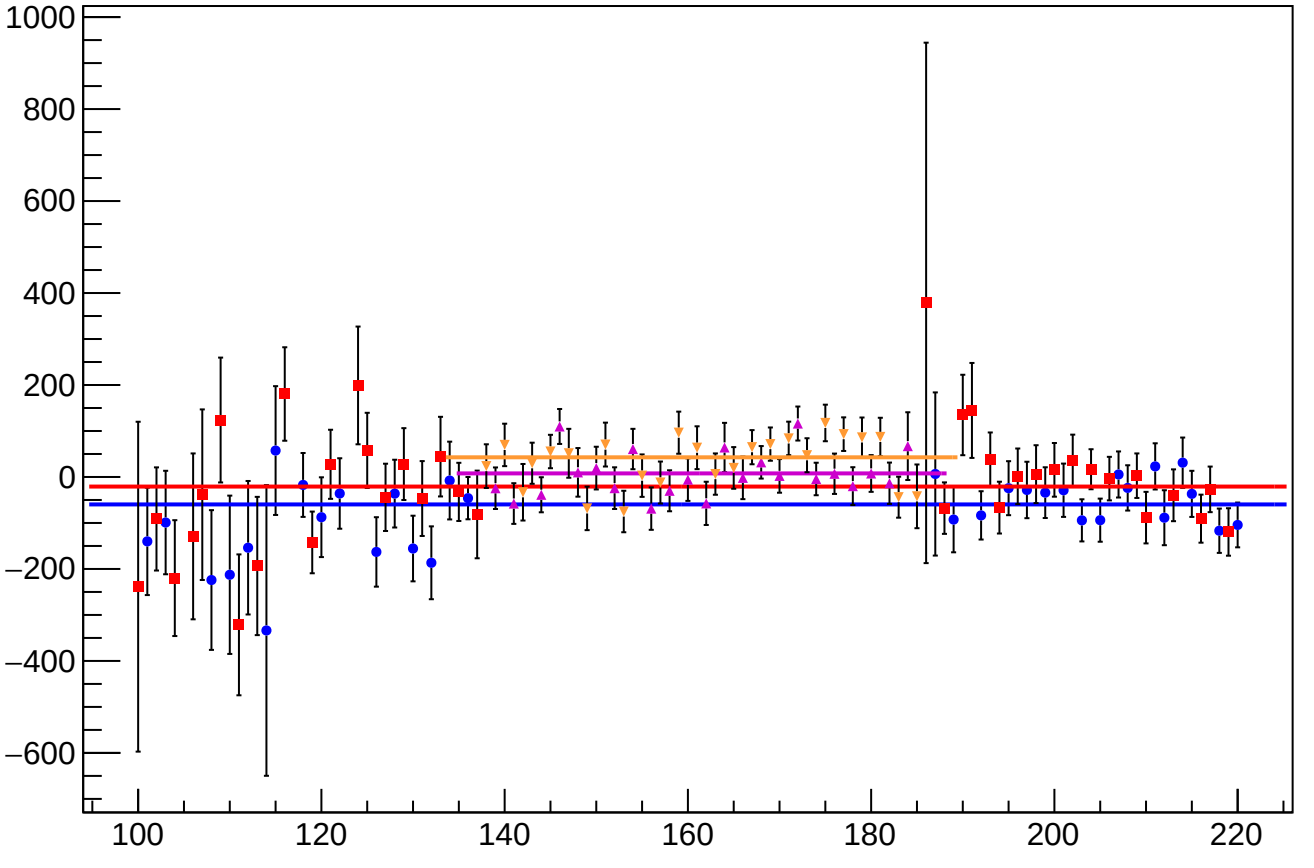
Right: 0.000+/-0.000 χ^2/NDF: 23474449.6/69

In: 0.000+/-0.000 χ^2/NDF:22049654.2/55

Out: 0.000+/-0.000 χ^2/NDF:21900350.4/61

All: 0.000+/-0.000 χ^2/NDF: 43973286.0/117

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -59.683+/-11.212 χ^2/NDF: 25.0/32

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -20.837+/-11.528 χ^2/NDF: 41.5/36

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

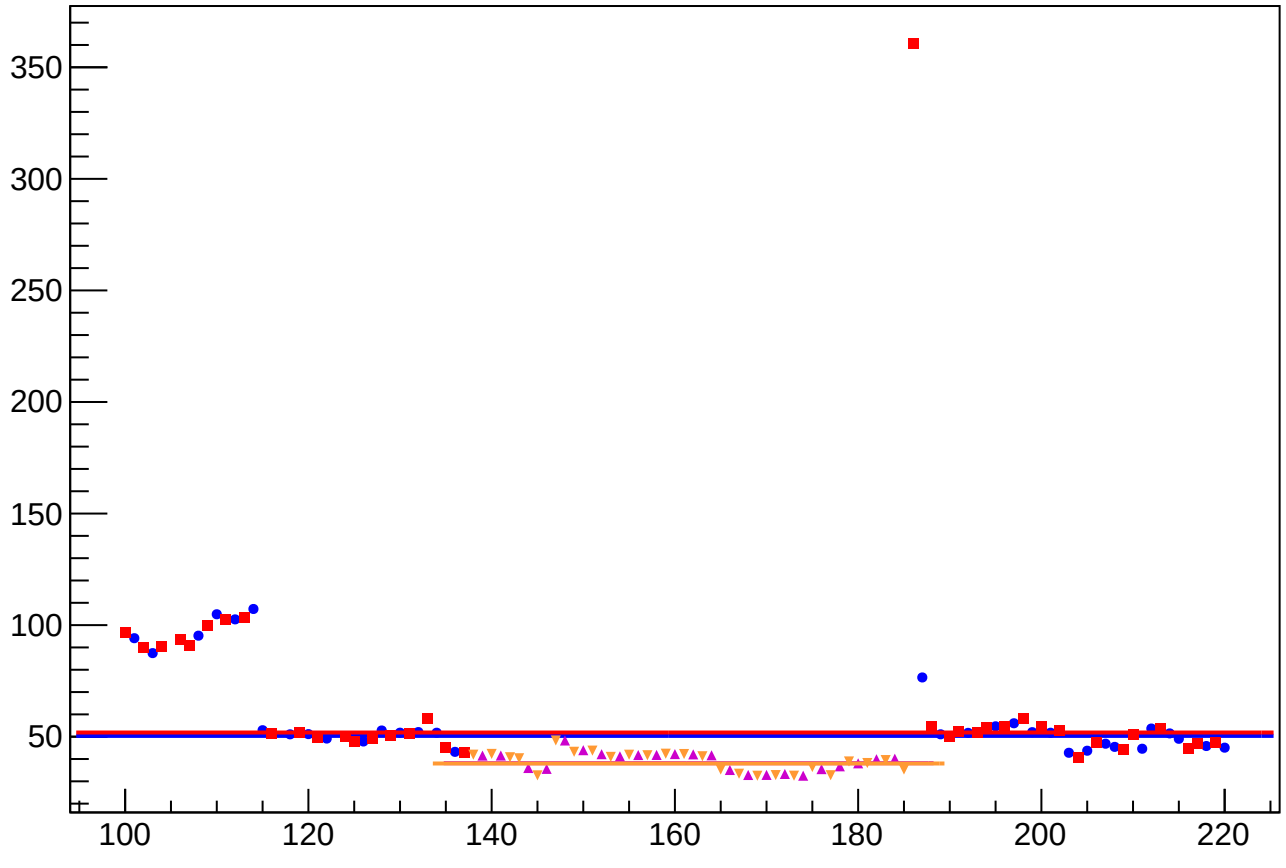
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -40.799+/-8.038 χ^2/NDF: 72.3/69

In: -18.561+/-7.006 χ^2/NDF:77.6/55

Out: 19.692+/-6.943 χ^2/NDF:95.6/61

All: 0.738+/-4.932 χ^2/NDF: 188.3/117



Right In: 50.357+/-0.008 χ^2/NDF: 1530551.4/32

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.875+/-0.008 χ^2/NDF: 2320025.2/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

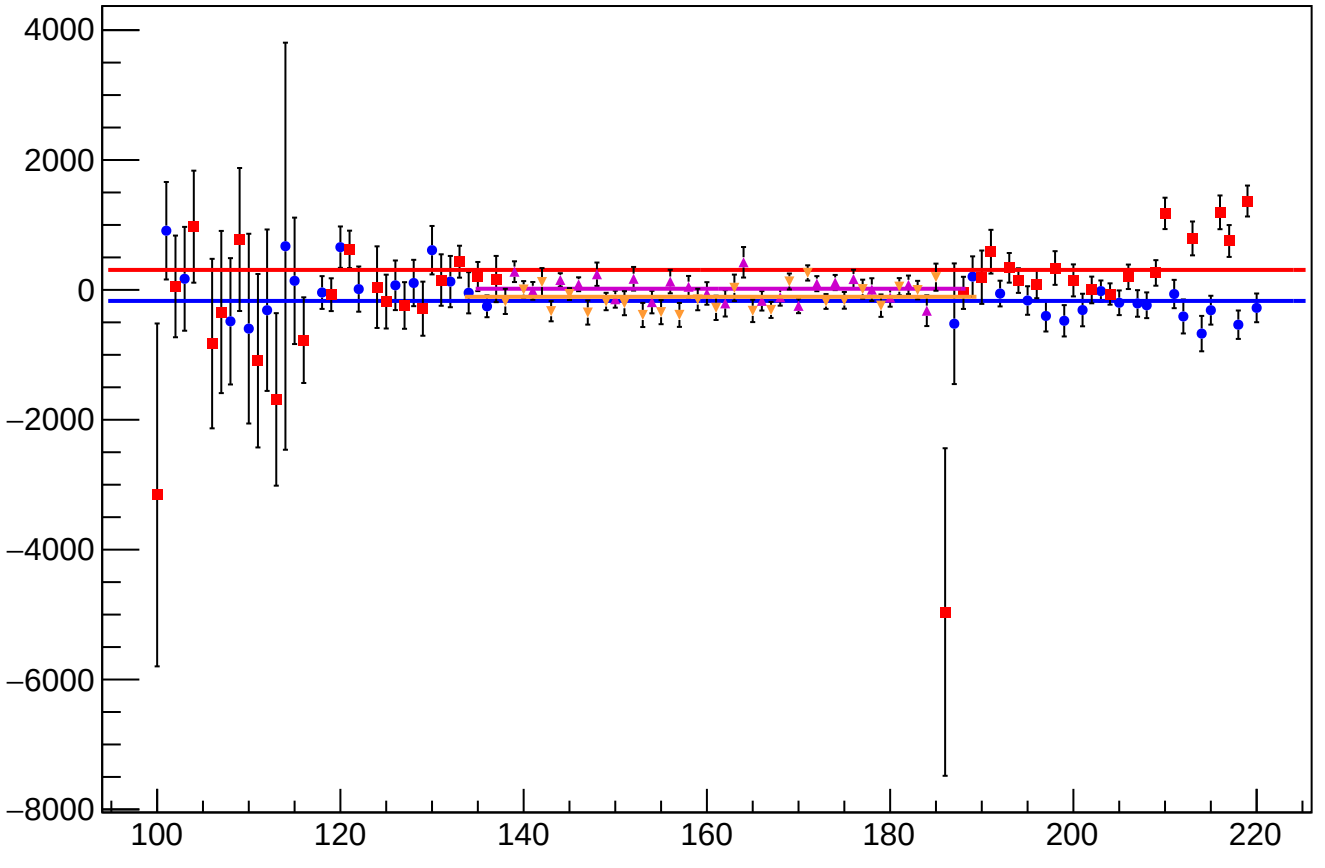
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.095+/-0.006 χ^2/NDF: 3868415.8/69

In: 42.906+/-0.005 χ^2/NDF:3407786.5/55

Out: 43.027+/-0.005 χ^2/NDF:4682637.7/61

All: 42.967+/-0.003 χ^2/NDF: 8090725.5/117



Right In: -169.986+/-47.263 χ^2/NDF: 30.0/32

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 307.447+/-47.942 χ^2/NDF: 88.2/36

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

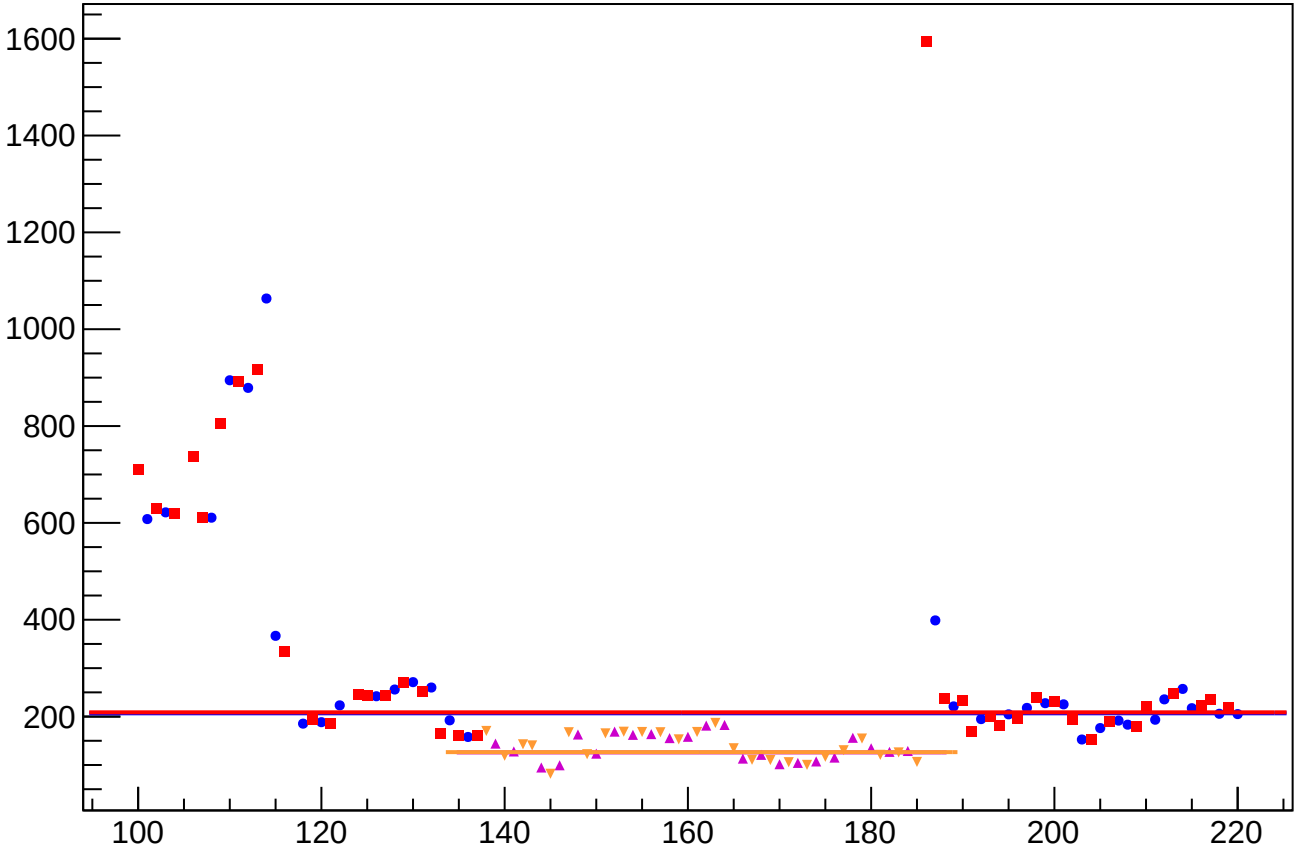
Right: 65.327+/-33.657 χ^2/NDF: 168.5/69

In: -36.806+/-25.440 χ^2/NDF:69.4/55

Out: 7.537+/-25.164 χ^2/NDF:179.9/61

All: -14.393+/-17.890 χ^2/NDF: 250.8/117

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 206.741+/-0.033 χ^2/NDF: 3578052.5/32

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 208.775+/-0.034 χ^2/NDF: 4863141.0/36

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

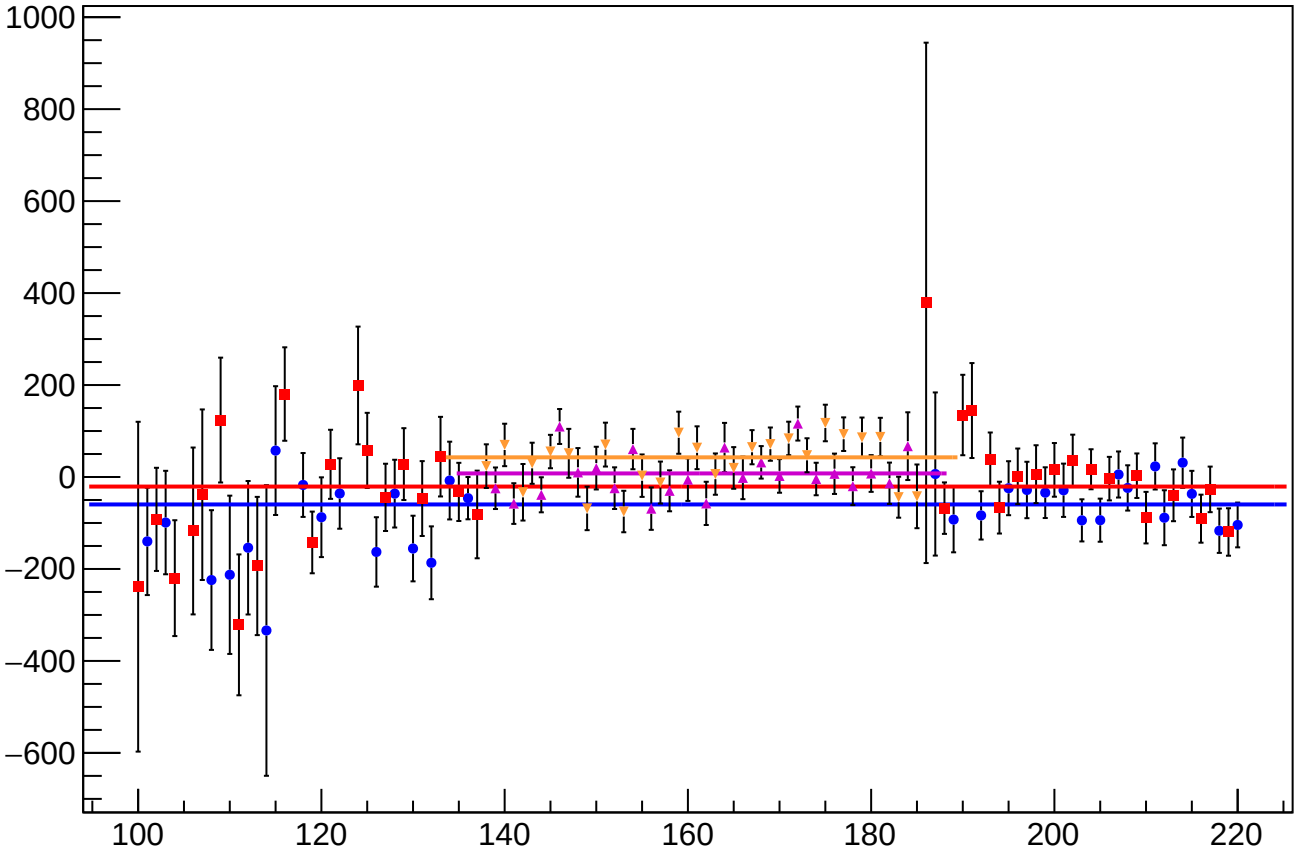
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 207.743+/-0.024 χ^2/NDF: 8443019.2/69

In: 149.402+/-0.018 χ^2/NDF:9133092.5/55

Out: 149.211+/-0.018 χ^2/NDF:10882541.0/61

All: 149.305+/-0.013 χ^2/NDF: 20015690.6/11



Right In: -59.681+/-11.212 χ^2/NDF: 25.0/32

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -20.793+/-11.528 χ^2/NDF: 41.4/36

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

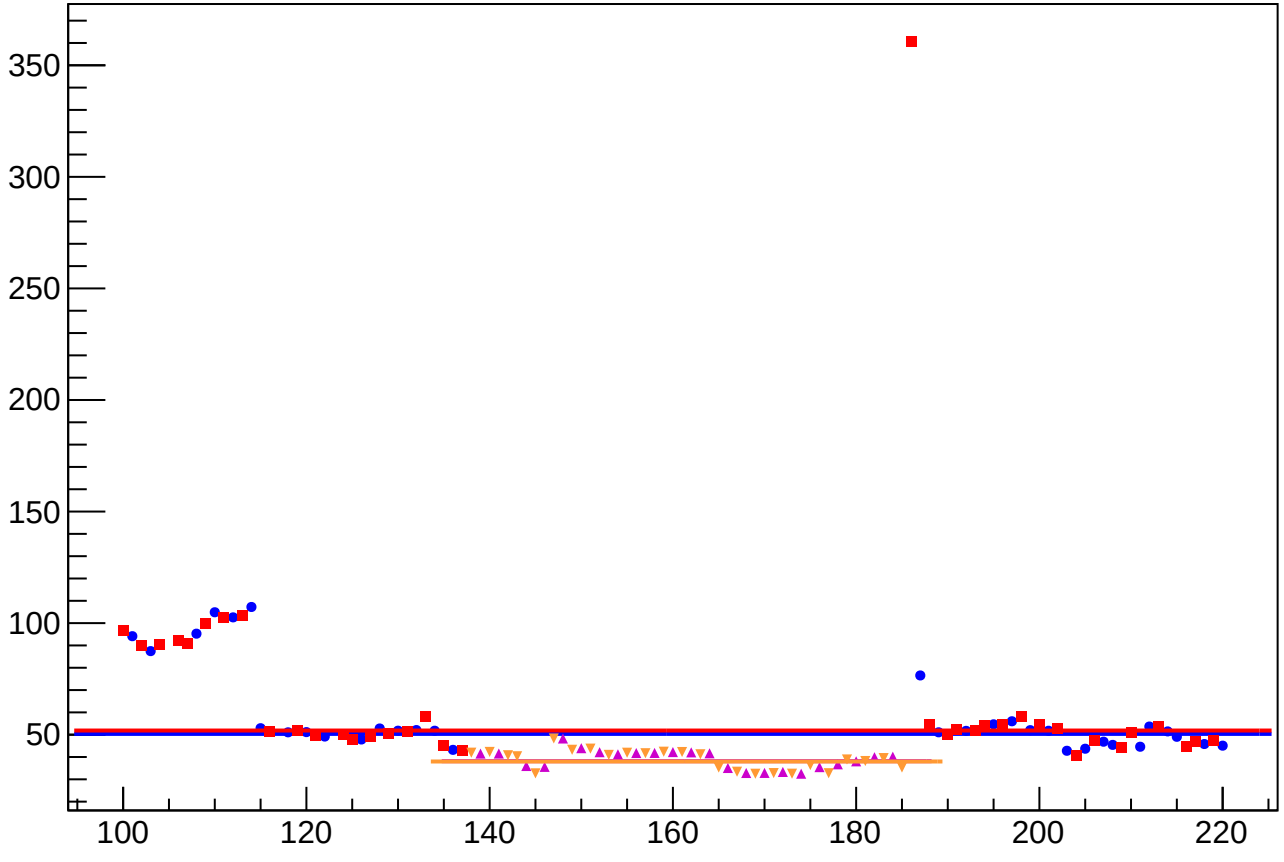
Right: -40.778+/-8.038 χ^2/NDF: 72.3/69

In: -18.560+/-7.006 χ^2/NDF:77.6/55

Out: 19.710+/-6.943 χ^2/NDF:95.5/61

All: 0.747+/-4.932 χ^2/NDF: 188.2/117

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 50.357+/-0.008 χ^2/NDF: 1530551.7/32

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

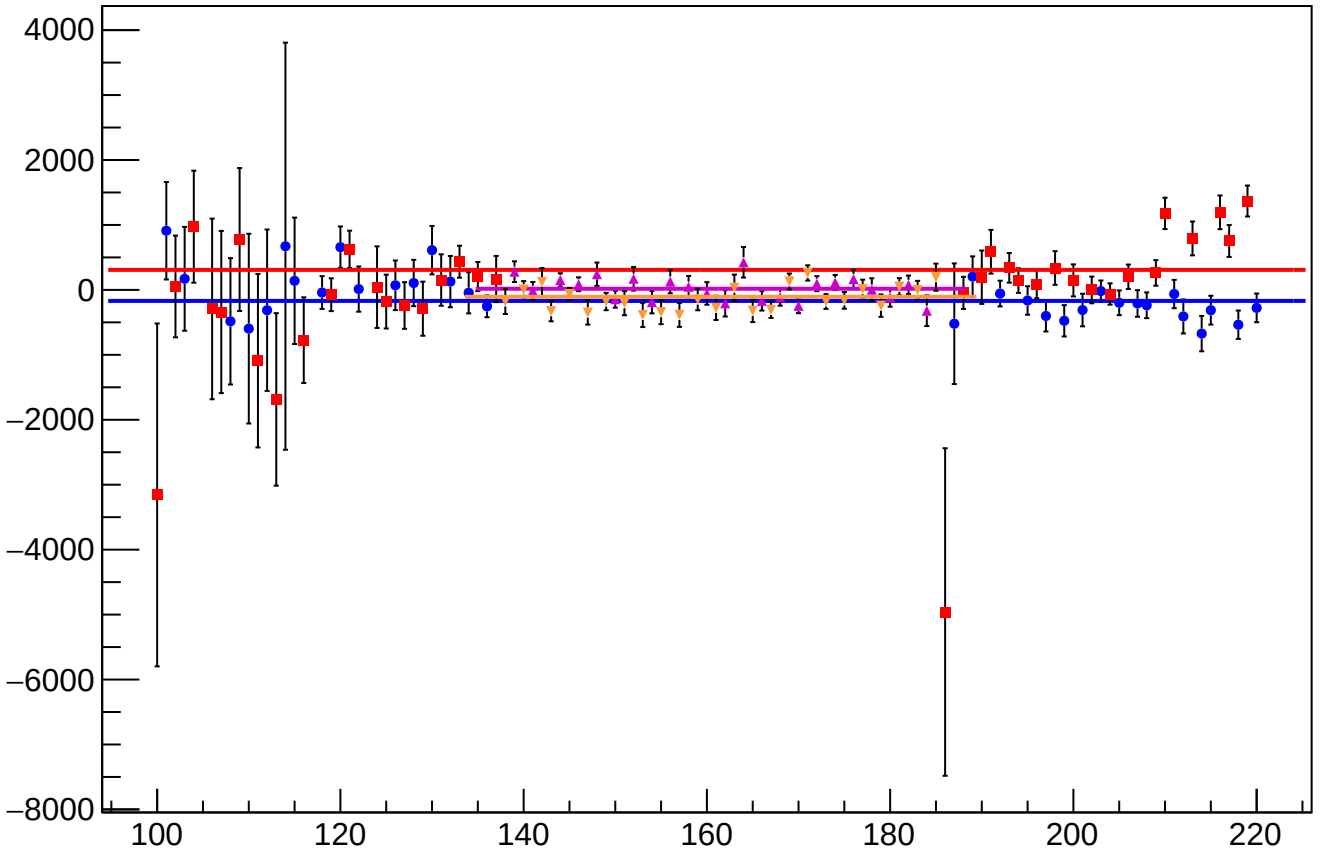
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.091+/-0.006 χ^2/NDF: 3859457.7/69

In: 42.906+/-0.005 χ^2/NDF:3407786.7/55

Out: 43.024+/-0.005 χ^2/NDF:4671632.7/61

All: 42.966+/-0.003 χ^2/NDF: 8079705.3/117



Right In: -169.984+/-47.263 χ^2/NDF: 30.0/32

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 308.255+/-47.945 χ^2/NDF: 87.6/36

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

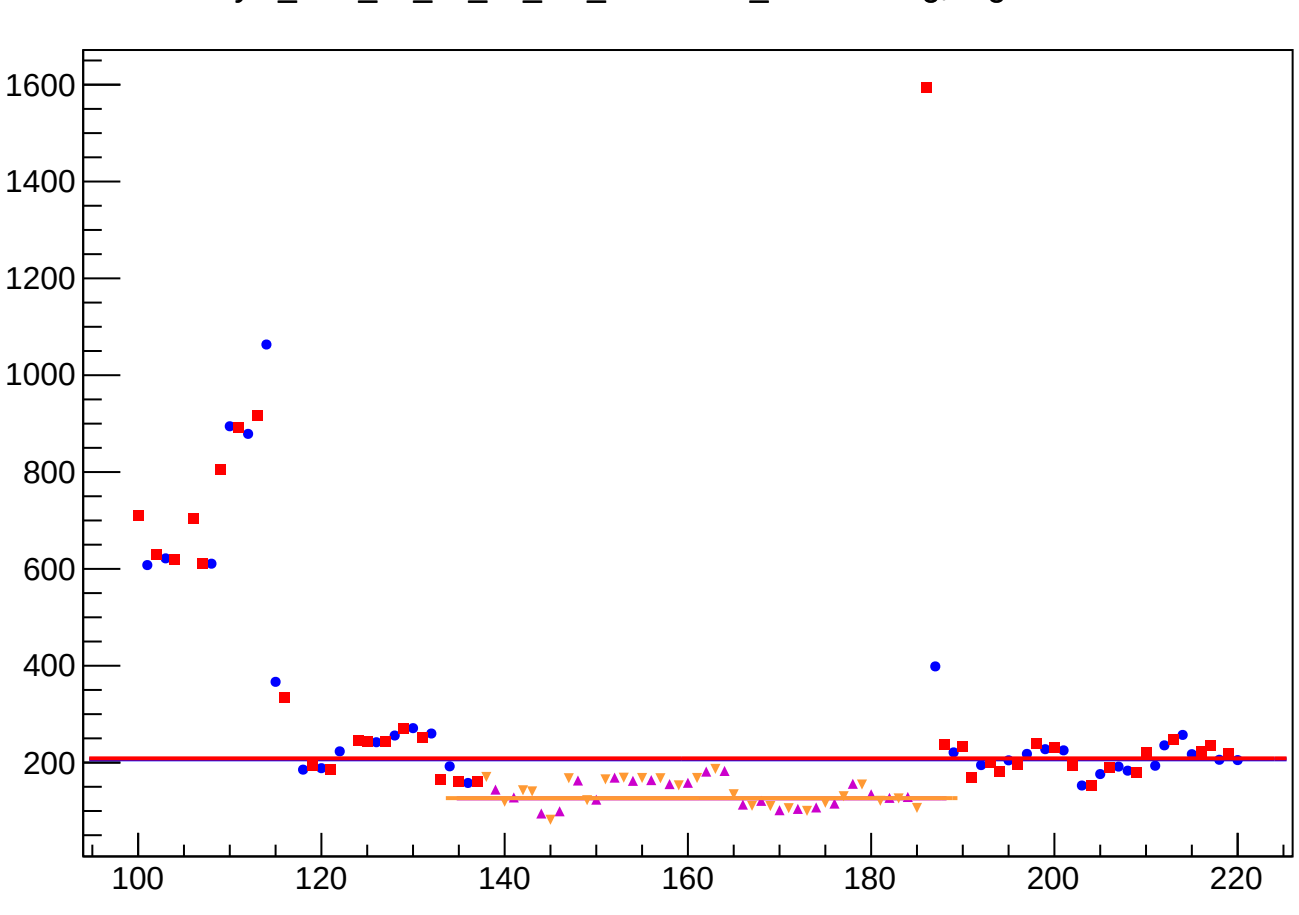
Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

Right: 65.707+/-33.659 χ^2/NDF: 168.1/69

In: -36.805+/-25.440 χ^2/NDF:69.4/55

Out: 7.747+/-25.164 χ^2/NDF:179.5/61

All: -14.287+/-17.890 χ^2/NDF: 250.5/117



Right In: 206.741+/-0.033 χ^2/NDF: 3578061.2/32

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

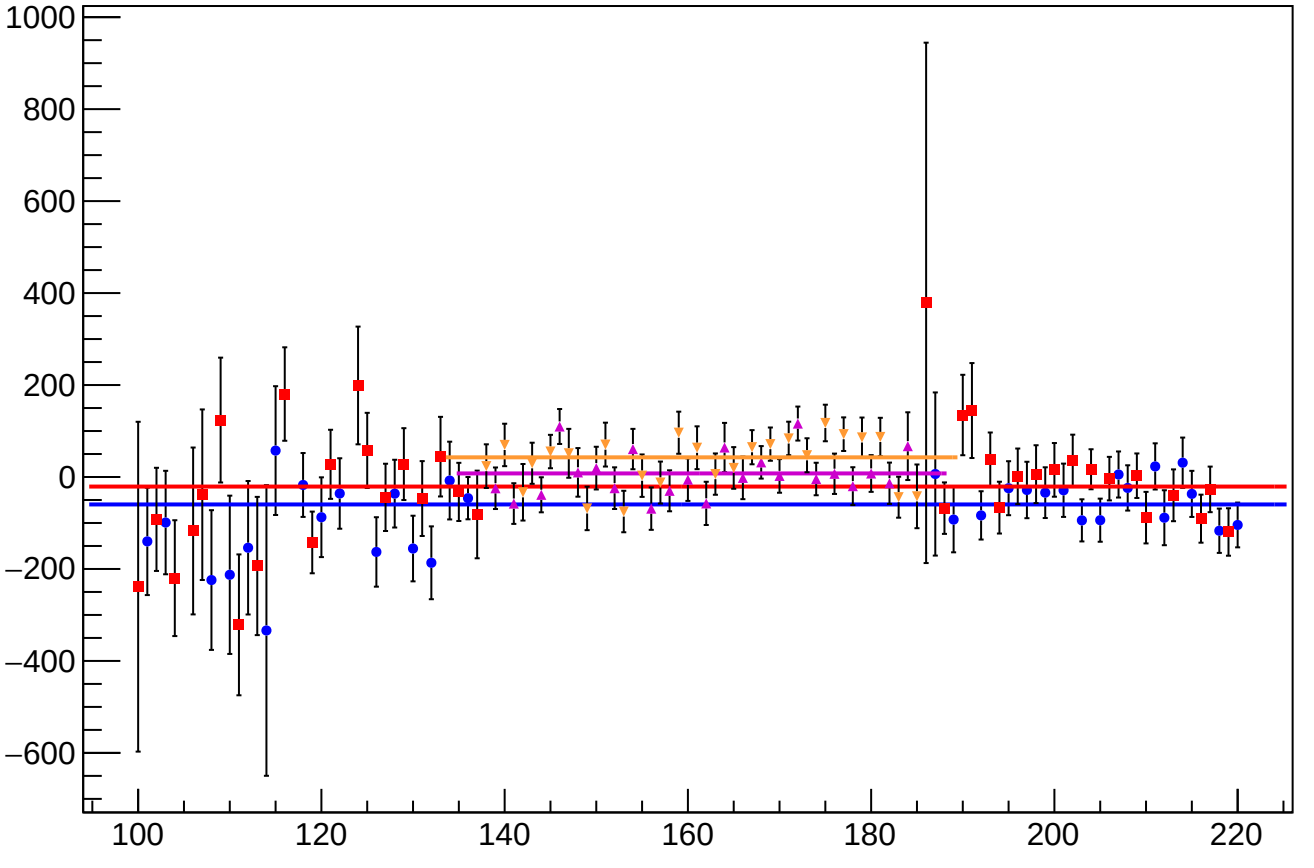
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.683+/-0.024 χ^2/NDF: 8370217.8/69

In: 149.402+/-0.018 χ^2/NDF:9133117.1/55

Out: 149.174+/-0.018 χ^2/NDF:10796676.7/61

All: 149.287+/-0.013 χ^2/NDF: 19929874.7/11



Right In: -59.681+/-11.212 χ^2/NDF: 25.0/32

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -20.793+/-11.528 χ^2/NDF: 41.4/36

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

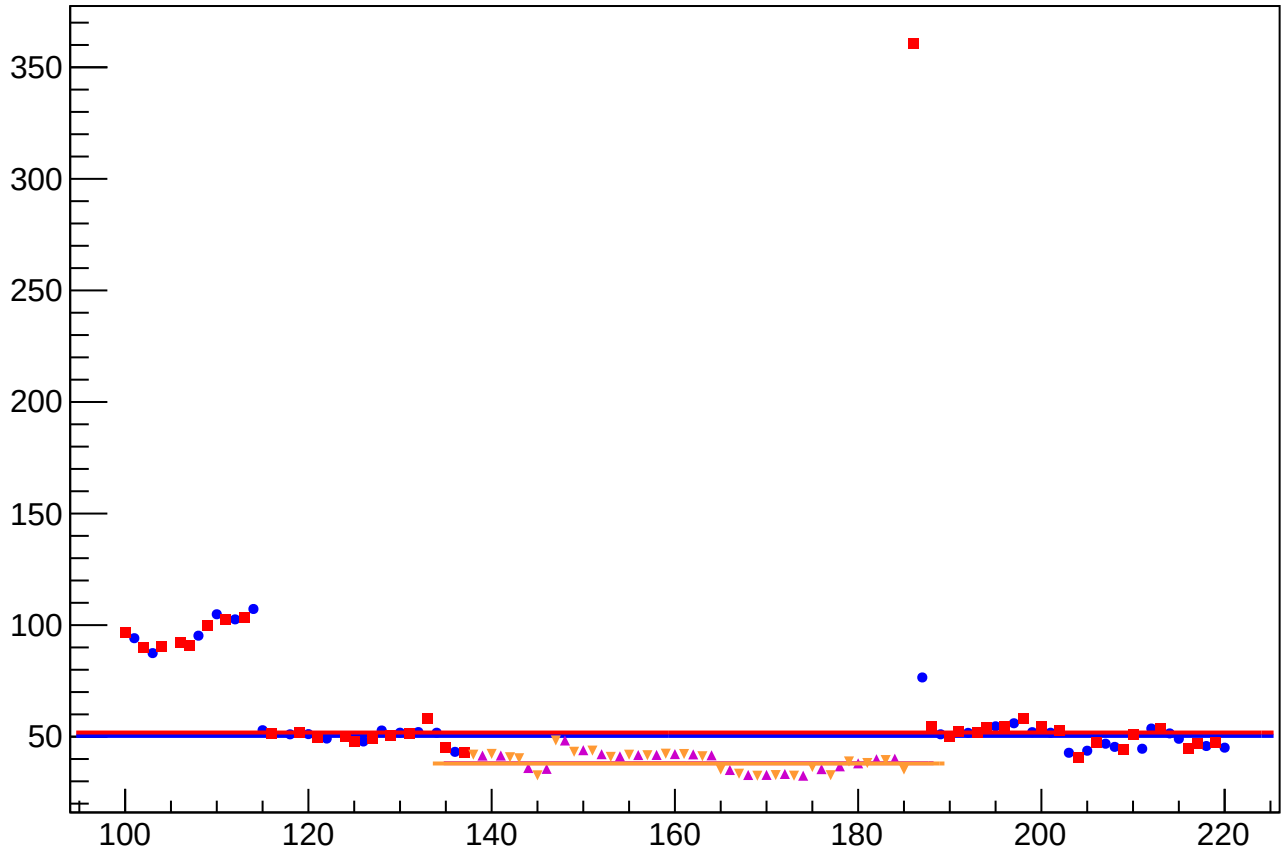
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -40.778+/-8.038 χ^2/NDF: 72.3/69

In: -18.560+/-7.006 χ^2/NDF:77.6/55

Out: 19.710+/-6.943 χ^2/NDF:95.5/61

All: 0.747+/-4.932 χ^2/NDF: 188.2/117



Right In: 50.357+/-0.008 χ^2/NDF: 1530551.7/32

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

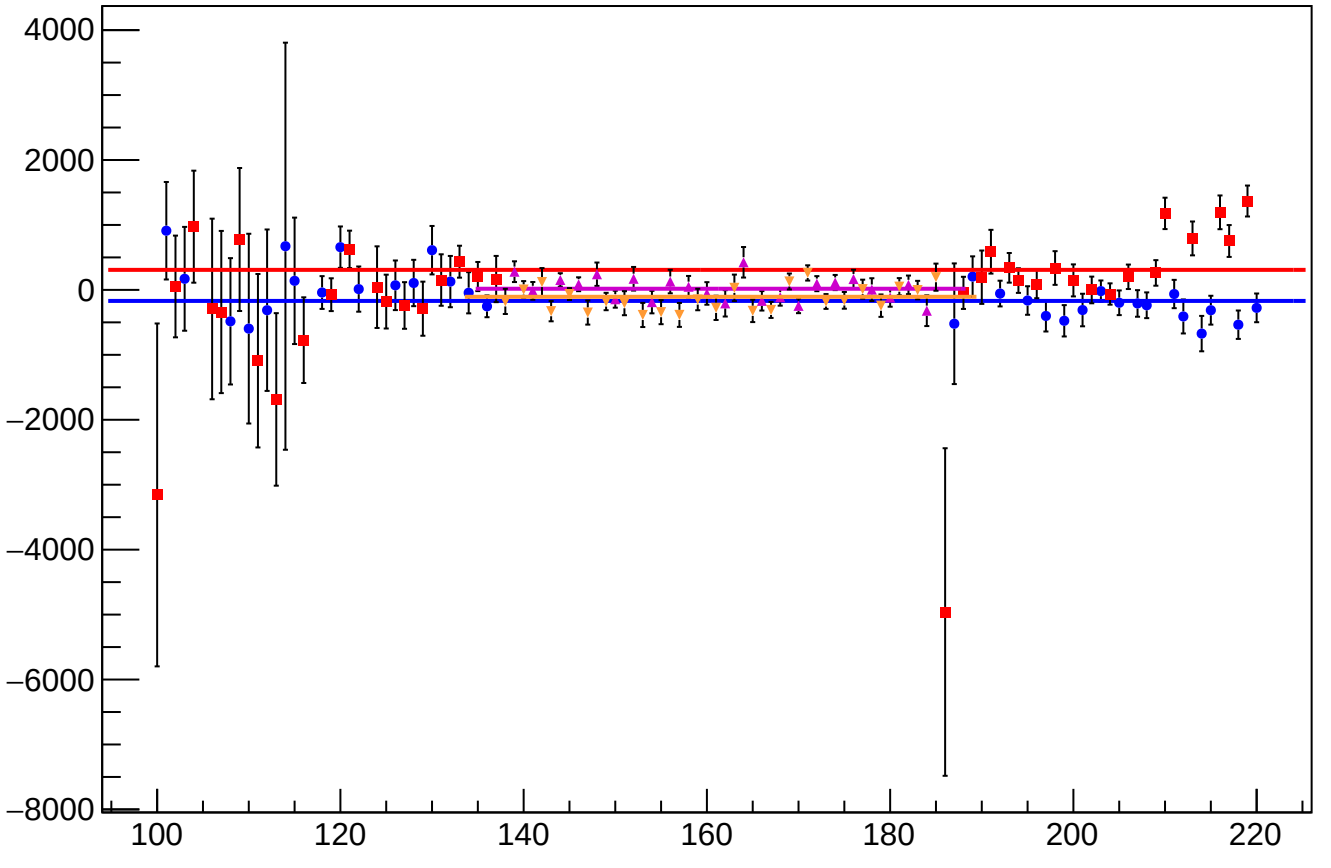
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.091+/-0.006 χ^2/NDF: 3859457.7/69

In: 42.906+/-0.005 χ^2/NDF:3407786.7/55

Out: 43.024+/-0.005 χ^2/NDF:4671632.7/61

All: 42.966+/-0.003 χ^2/NDF: 8079705.3/117



Right In: -169.984+/-47.263 χ^2/NDF: 30.0/32

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 308.255+/-47.945 χ^2/NDF: 87.6/36

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

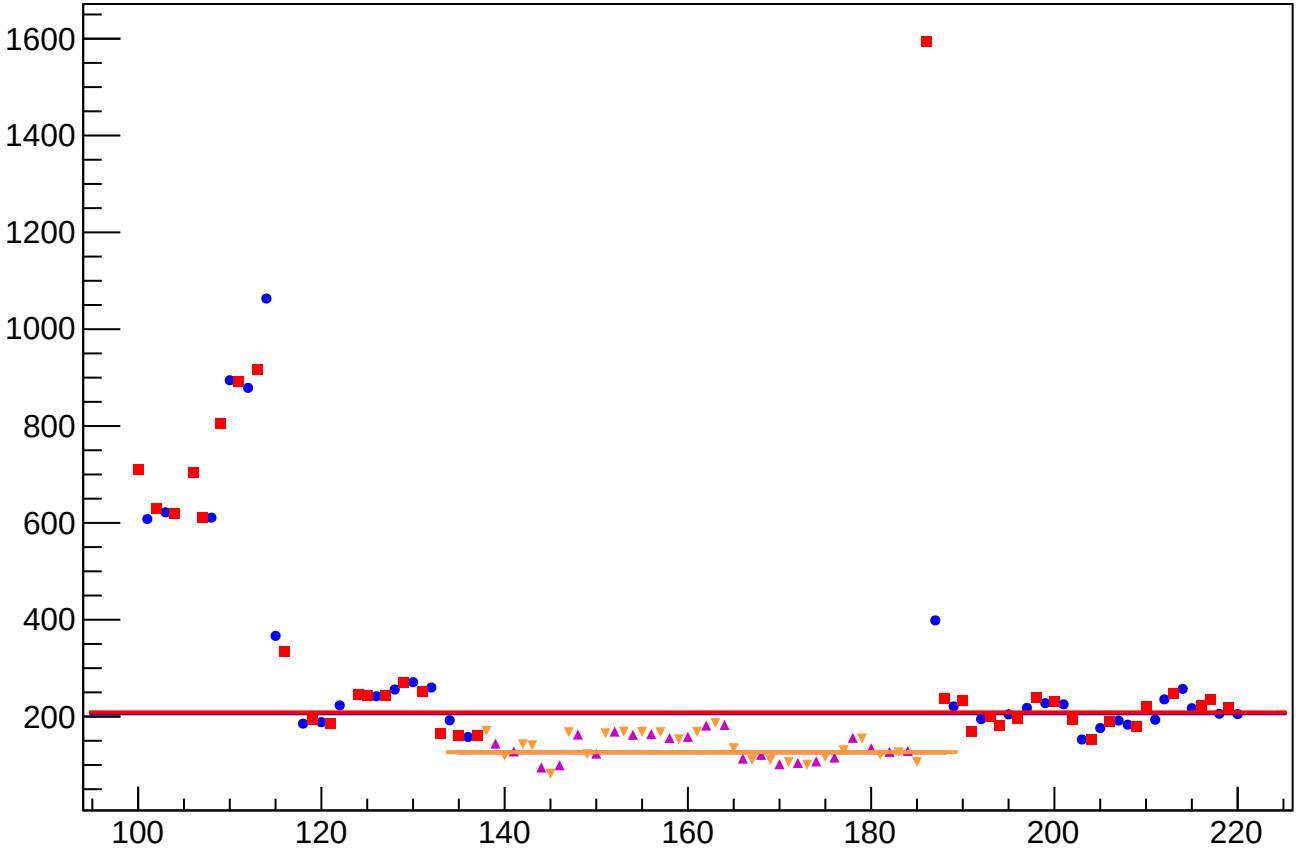
Right: 65.707+/-33.659 χ^2/NDF: 168.1/69

In: -36.805+/-25.440 χ^2/NDF:69.4/55

Out: 7.747+/-25.164 χ^2/NDF:179.5/61

All: -14.287+/-17.890 χ^2/NDF: 250.5/117

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 206.741+/-0.033 χ^2/NDF: 3578061.2/32

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

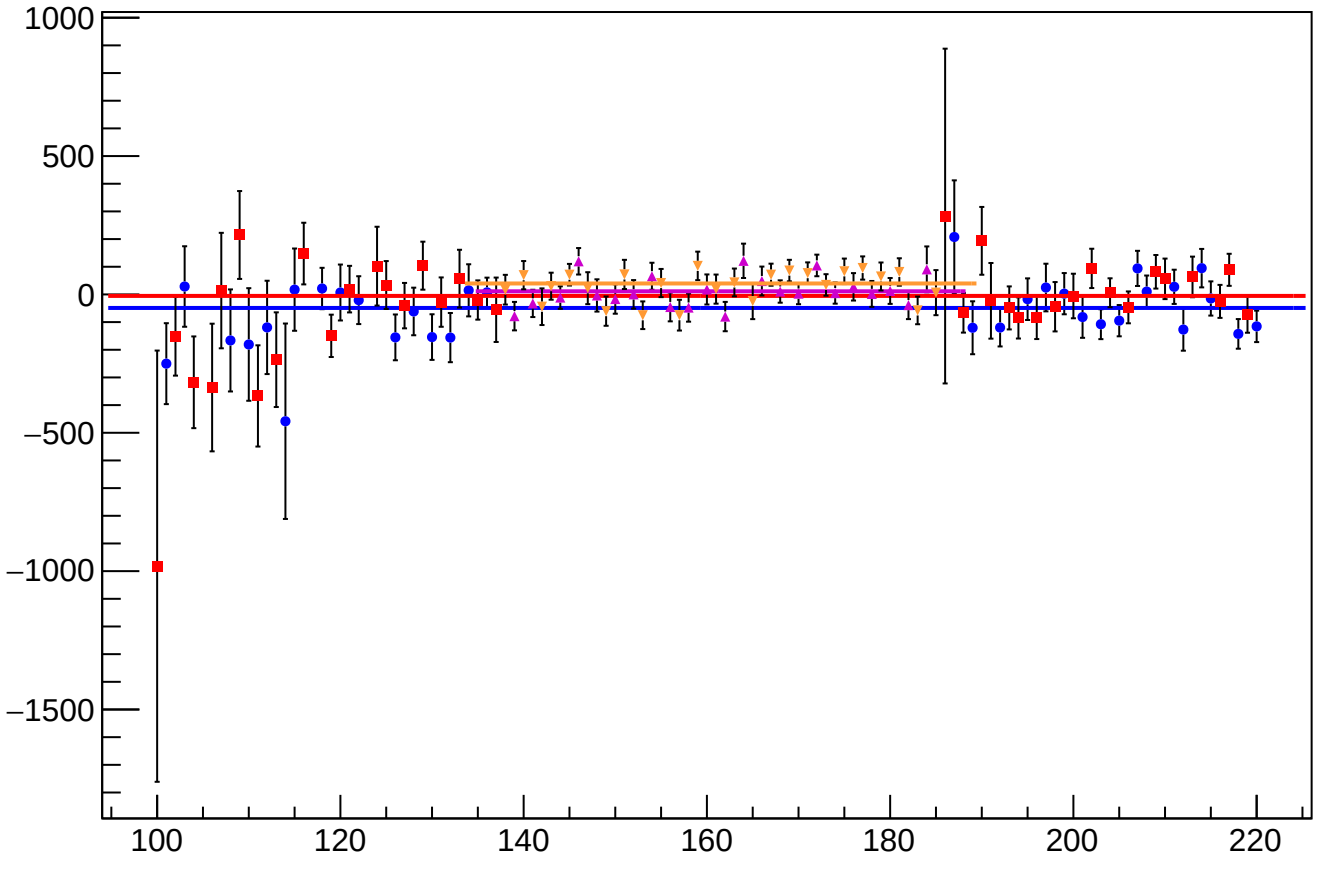
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.683+/-0.024 χ^2/NDF: 8370217.8/69

In: 149.402+/-0.018 χ^2/NDF:9133117.1/55

Out: 149.174+/-0.018 χ^2/NDF:10796676.7/61

All: 149.287+/-0.013 χ^2/NDF: 19929874.7/1



Right In: -48.884+/-13.552 χ^2/NDF: 36.7/32

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -5.369+/-14.138 χ^2/NDF: 40.8/36

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

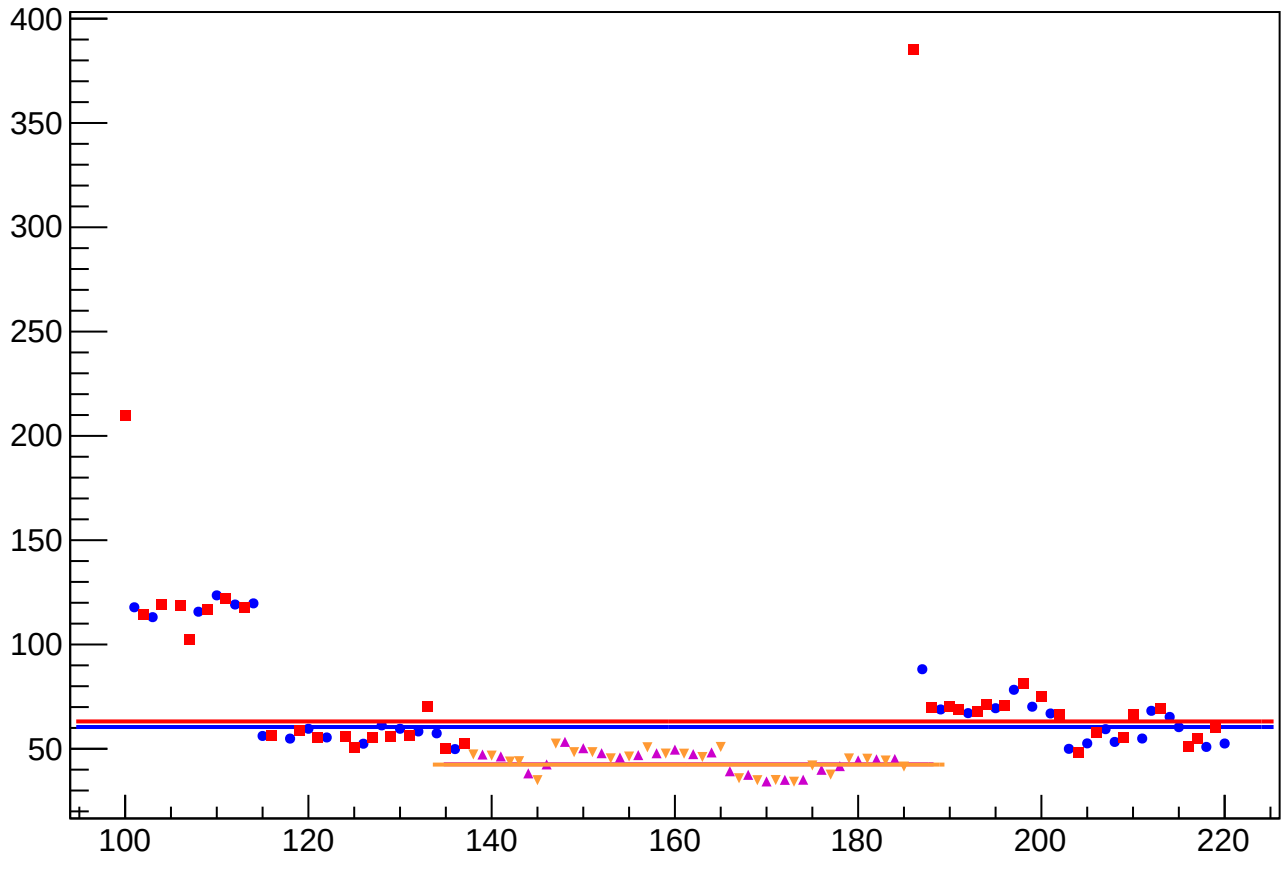
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -28.047+/-9.783 χ^2/NDF: 82.4/69

In: -10.125+/-8.086 χ^2/NDF:77.3/55

Out: 25.091+/-8.024 χ^2/NDF:77.2/61

All: 7.620+/-5.696 χ^2/NDF: 164.1/117



Right In: 60.439+/-0.010 χ^2/NDF: 1889809.7/32

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 63.115+/-0.010 χ^2/NDF: 2726101.8/36

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

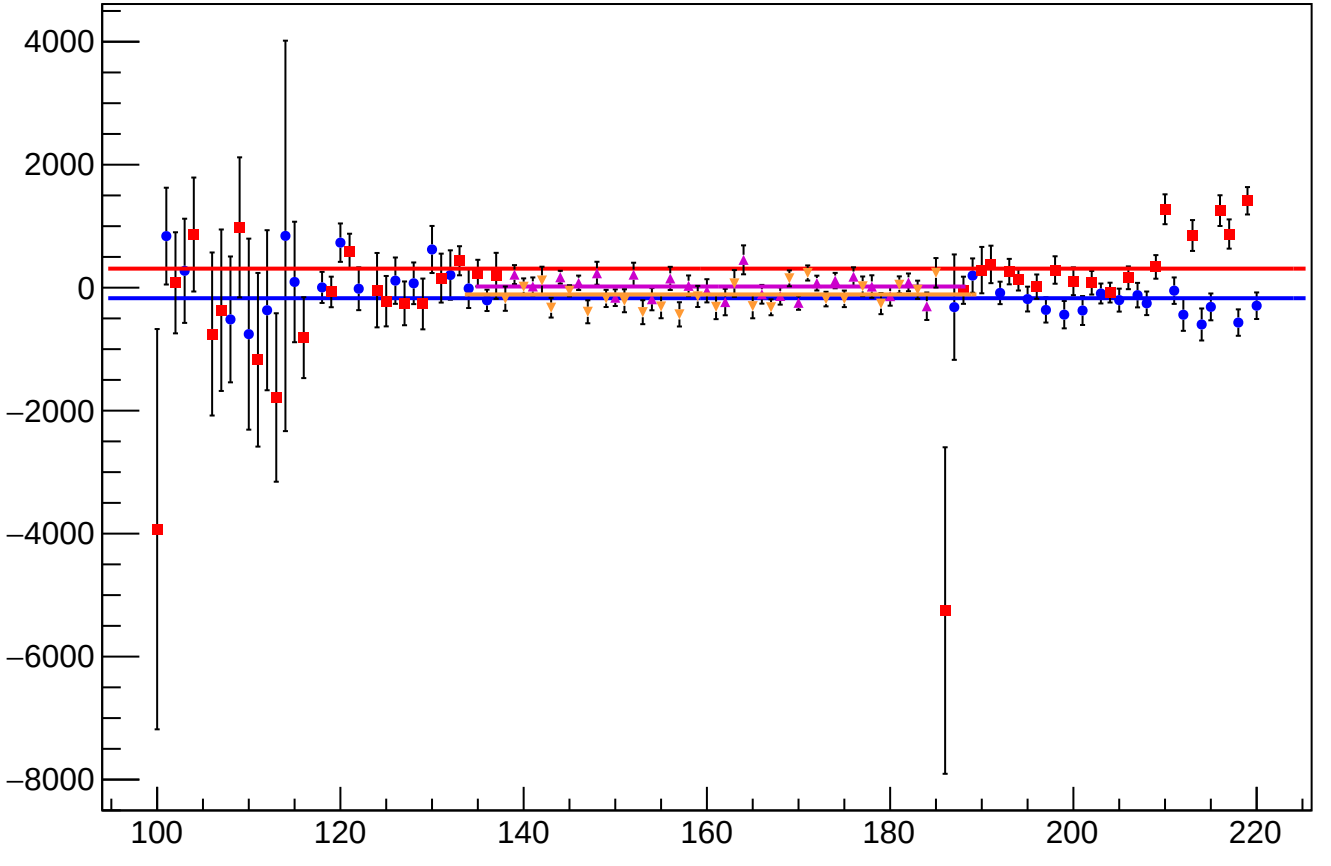
Right: 61.721+/-0.007 χ^2/NDF: 4653252.9/69

In: 48.938+/-0.006 χ^2/NDF:4716680.1/55

Out: 49.090+/-0.006 χ^2/NDF:6328384.6/61

All: 49.015+/-0.004 χ^2/NDF: 11045420.4/117

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -171.379+/-45.786 χ^2/NDF: 31.7/32

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 309.666+/-45.608 χ^2/NDF: 104.1/36

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

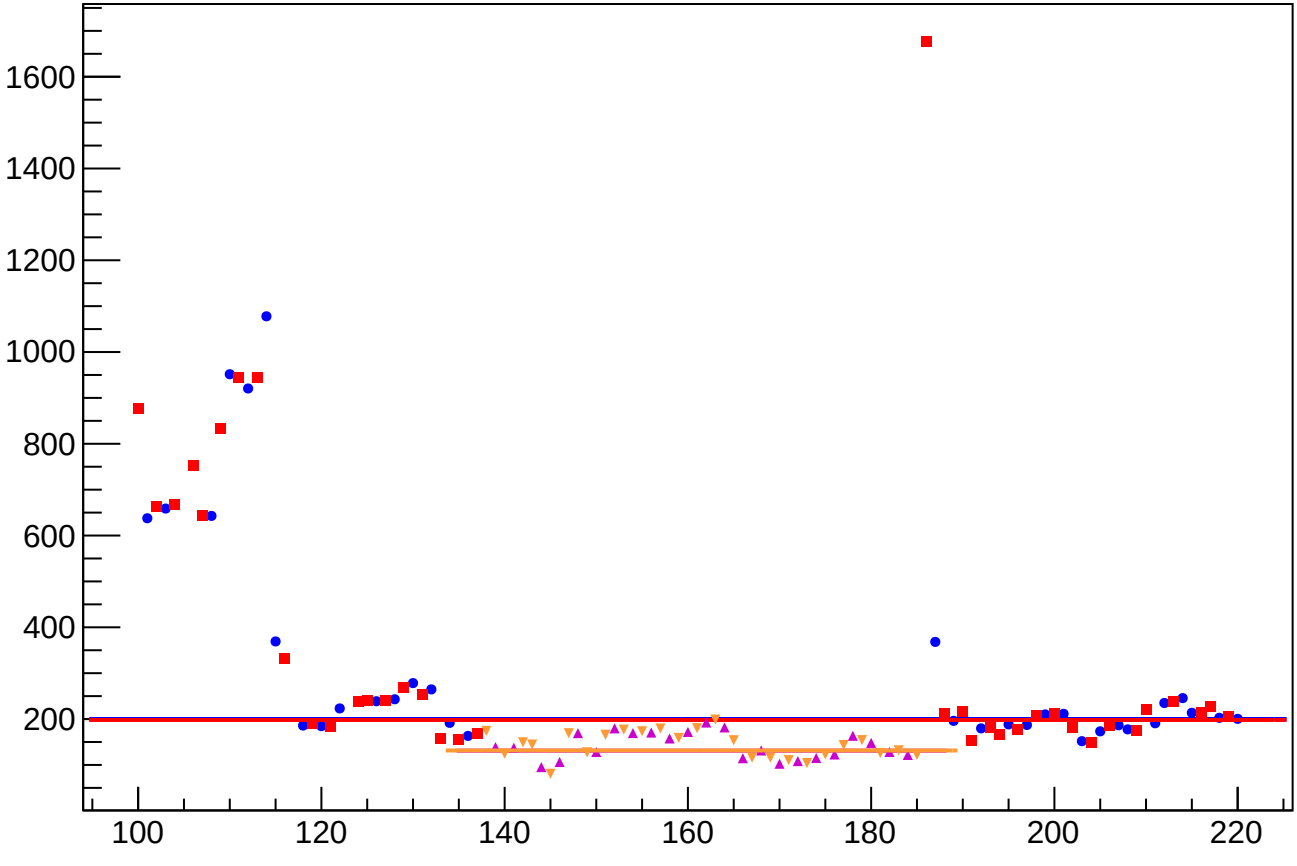
Right: 70.081+/-32.312 χ^2/NDF: 191.2/69

In: -42.210+/-25.938 χ^2/NDF:70.6/55

Out: 21.293+/-25.501 χ^2/NDF:198.5/61

All: -9.919+/-18.185 χ^2/NDF: 272.2/117

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 200.107+/-0.032 χ^2/NDF: 3662158.0/32

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 198.048+/-0.032 χ^2/NDF: 5114840.3/36

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

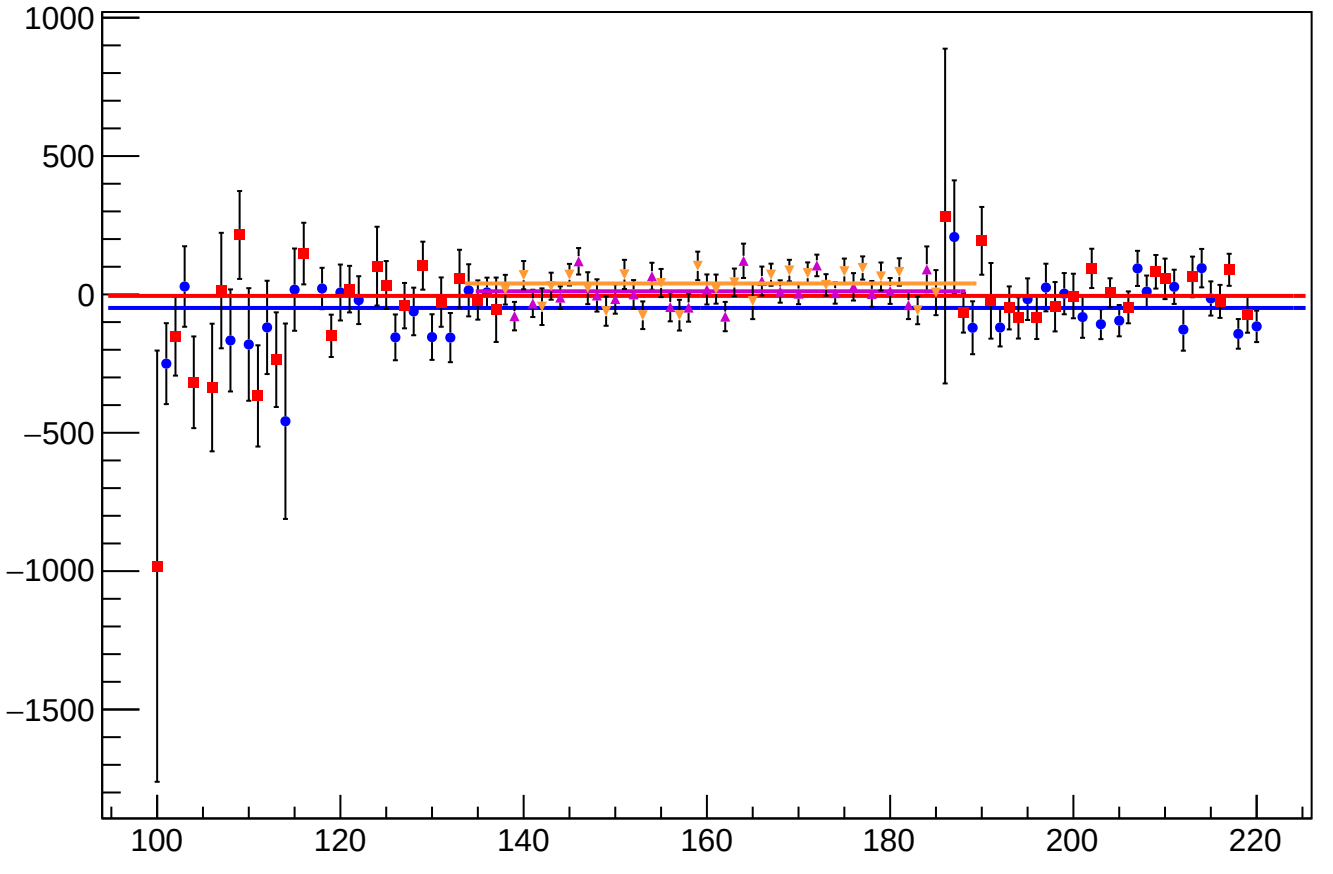
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 199.074+/-0.023 χ^2/NDF: 8779028.1/69

In: 153.229+/-0.018 χ^2/NDF:8217359.2/55

Out: 152.316+/-0.018 χ^2/NDF:9943395.2/61

All: 152.765+/-0.013 χ^2/NDF: 18162015.3/11



Right In: -48.885+/-13.552 χ^2/NDF: 36.7/32

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -5.370+/-14.138 χ^2/NDF: 40.8/36

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

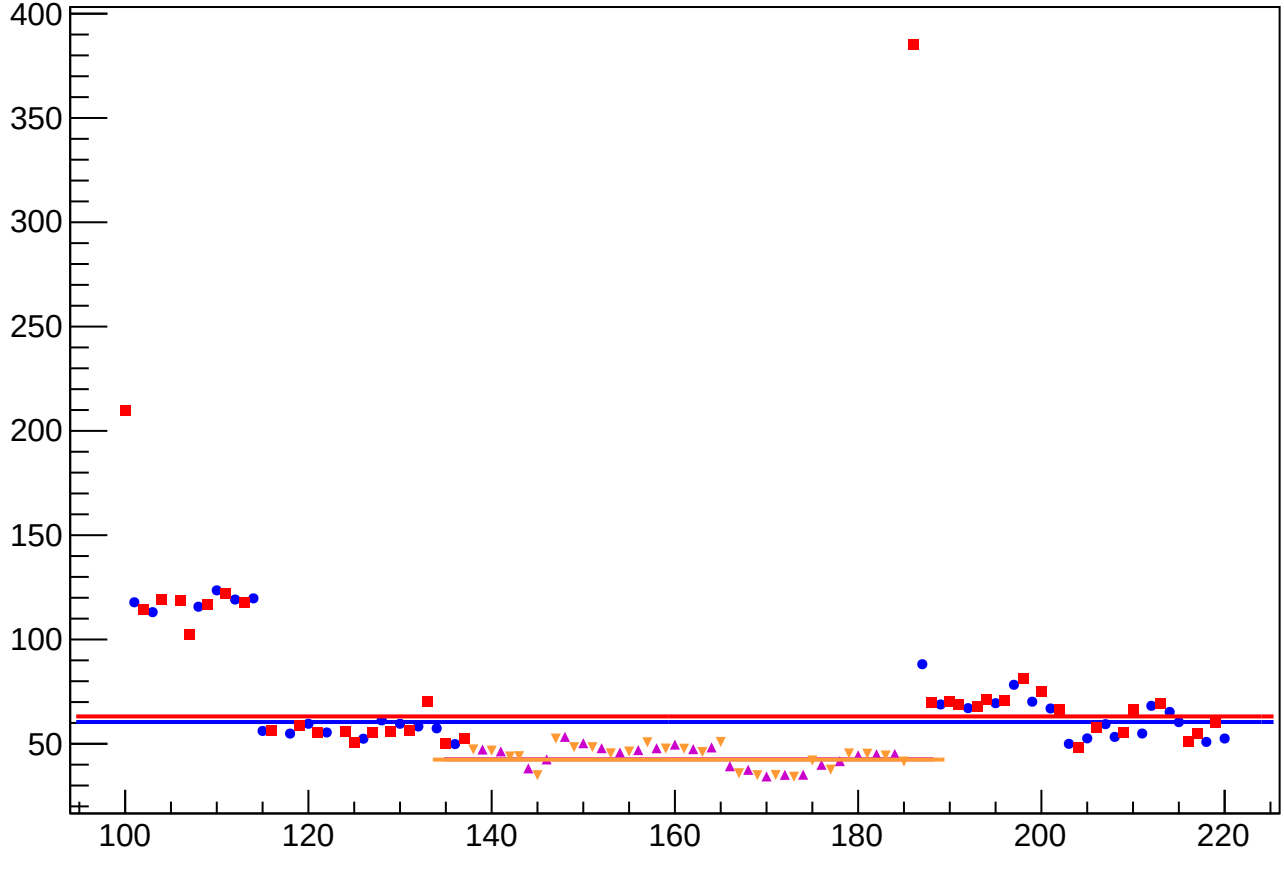
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -28.047+/-9.783 χ^2/NDF: 82.4/69

In: -10.125+/-8.086 χ^2/NDF:77.3/55

Out: 25.091+/-8.024 χ^2/NDF:77.2/61

All: 7.620+/-5.696 χ^2/NDF: 164.1/117



Right In: 60.439+/-0.010 χ^2/NDF: 1889822.6/32

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 63.116+/-0.010 χ^2/NDF: 2726073.6/36

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

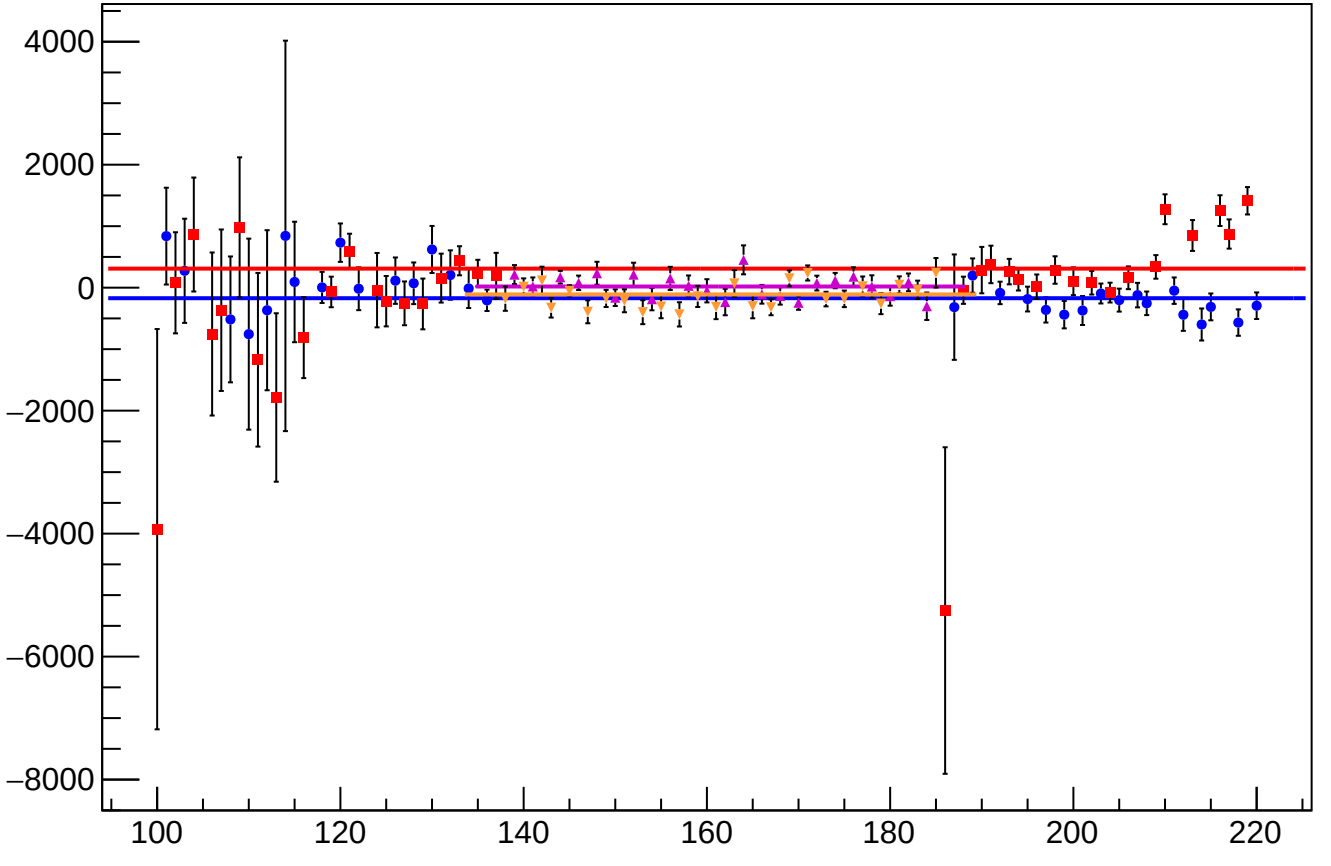
Right: 61.721+/-0.007 χ^2/NDF: 4653245.9/69

In: 48.938+/-0.006 χ^2/NDF:4716657.8/55

Out: 49.090+/-0.006 χ^2/NDF:6328424.2/61

All: 49.015+/-0.004 χ^2/NDF: 11045437.6/117

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -171.380+/-45.786 χ^2/NDF: 31.7/32

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 309.663+/-45.608 χ^2/NDF: 104.1/36

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

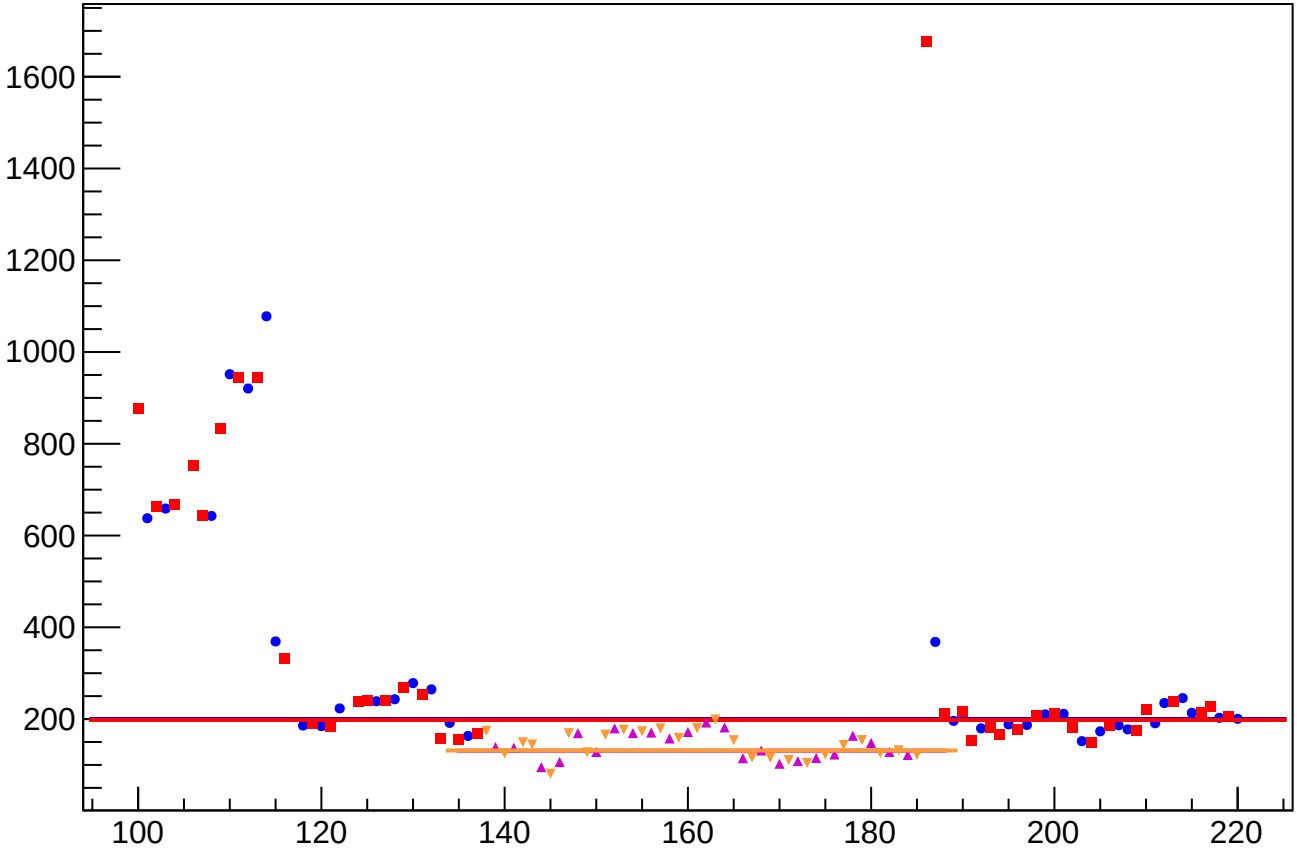
Right: 70.080+/-32.312 χ^2/NDF: 191.2/69

In: -42.210+/-25.938 χ^2/NDF:70.6/55

Out: 21.293+/-25.501 χ^2/NDF:198.5/61

All: -9.919+/-18.185 χ^2/NDF: 272.2/117

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 200.107+/-0.032 χ^2/NDF: 3662158.5/32

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 198.048+/-0.032 χ^2/NDF: 5114850.2/36

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

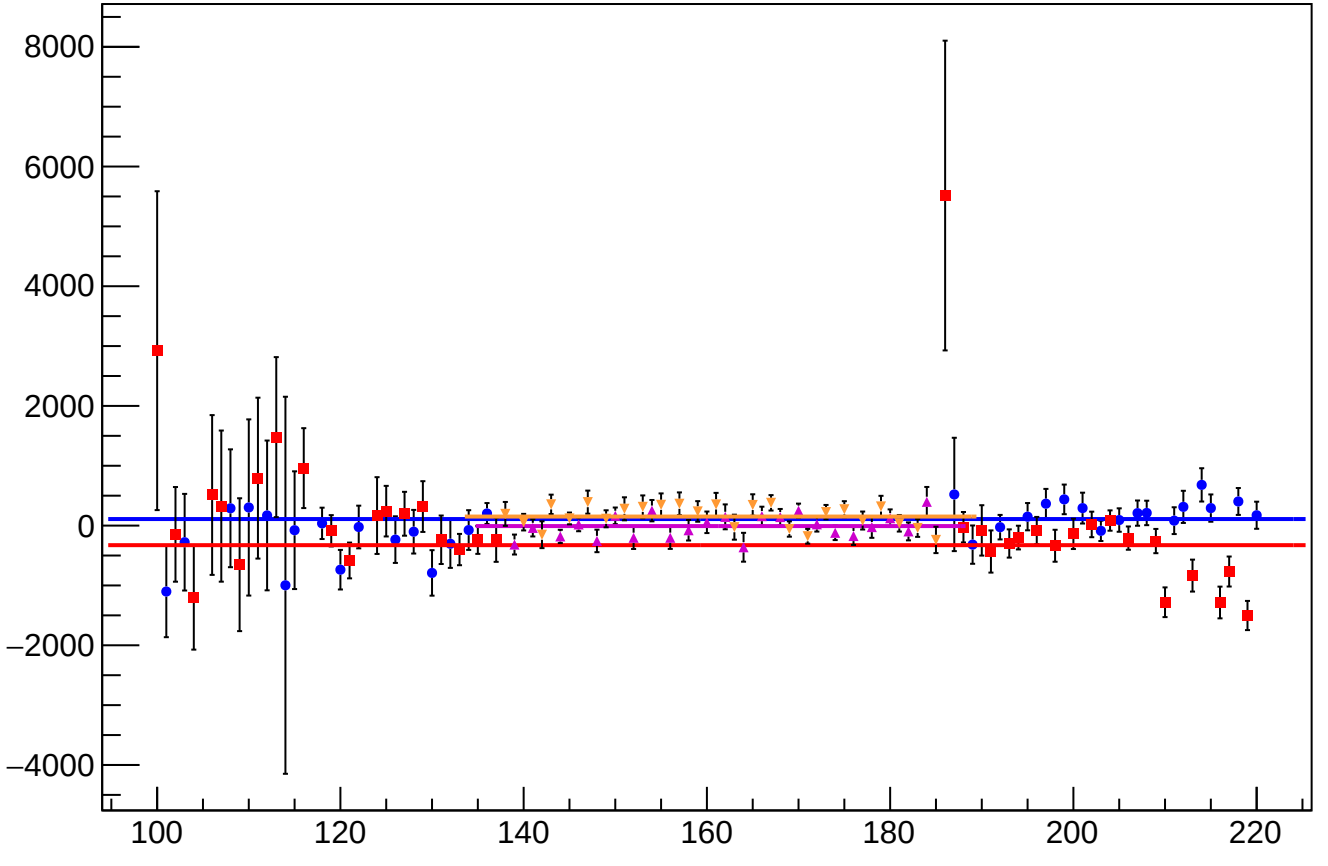
Right: 199.073+/-0.023 χ^2/NDF: 8779038.9/69

In: 153.229+/-0.018 χ^2/NDF:8217312.1/55

Out: 152.316+/-0.018 χ^2/NDF:9943335.6/61

All: 152.765+/-0.013 χ^2/NDF: 18161908.6/11

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 109.531+/-48.714 χ^2/NDF: 32.9/32

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -326.903+/-49.503 χ^2/NDF: 94.0/36

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

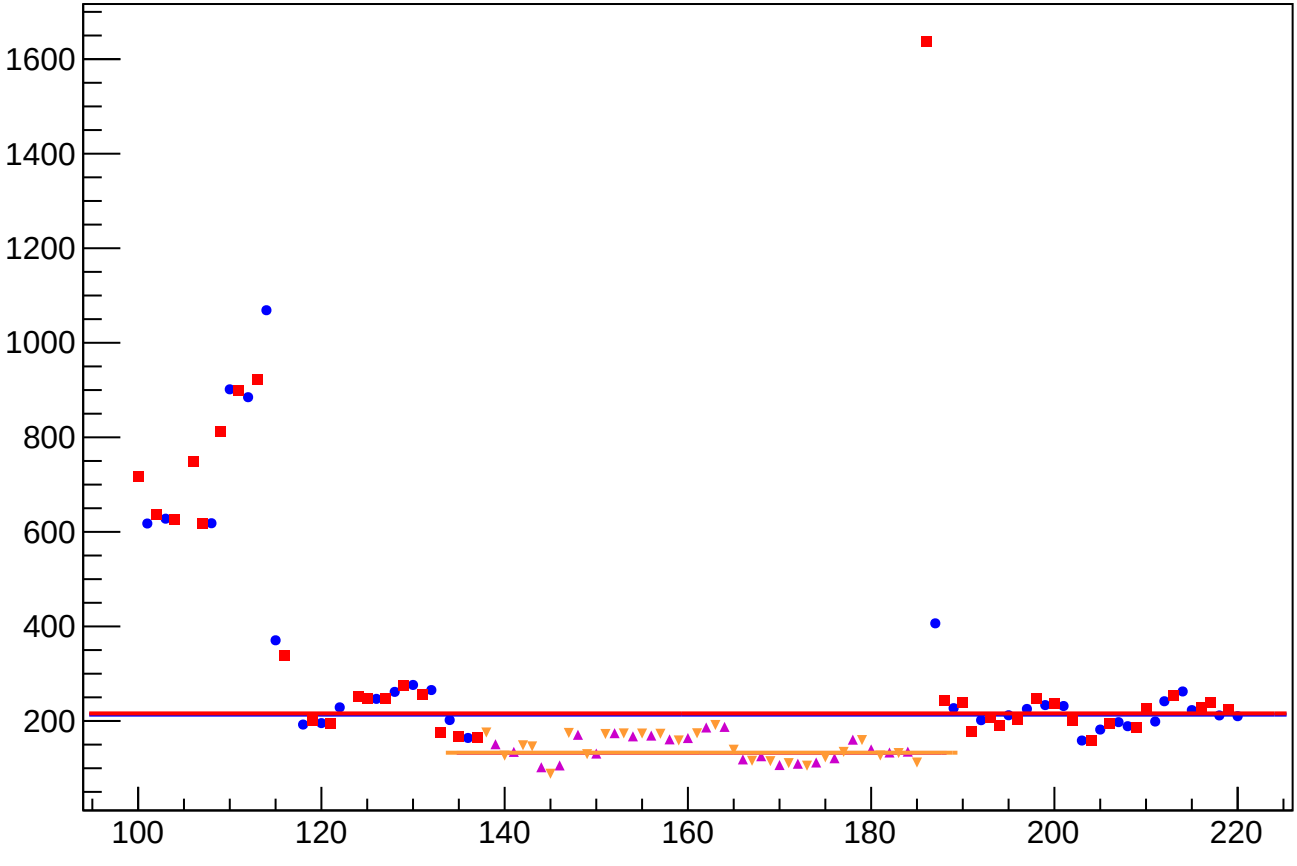
Right: -105.183+/-34.722 χ^2/NDF: 166.4/69

In: 26.883+/-26.523 χ^2/NDF:66.5/55

Out: 16.757+/-26.244 χ^2/NDF:194.1/61

All: 21.766+/-18.655 χ^2/NDF: 260.7/117

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 213.425+/-0.034 χ^2/NDF: 3479195.1/32

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 216.012+/-0.035 χ^2/NDF: 4725457.2/36

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

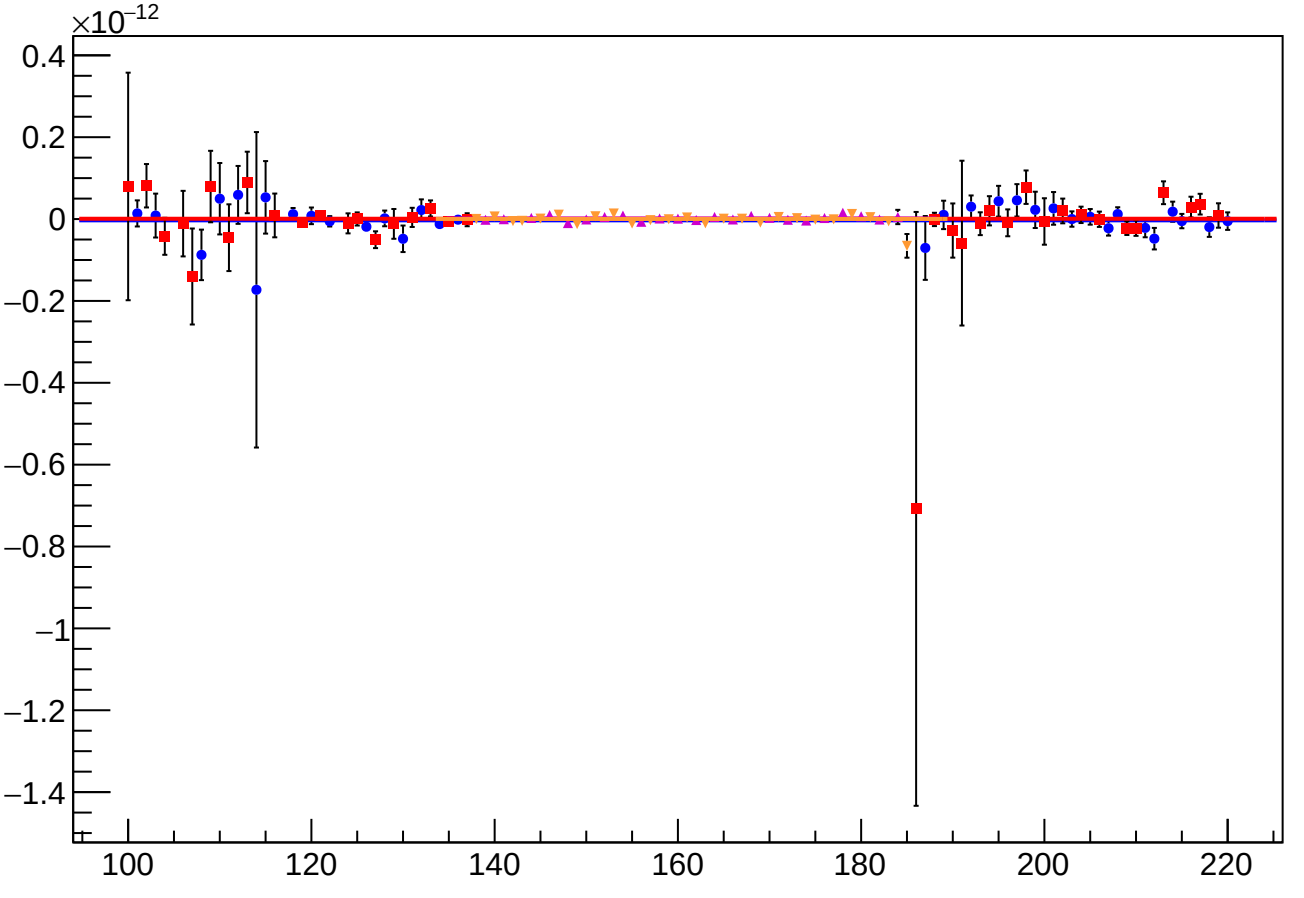
Right: 214.698+/-0.025 χ^2/NDF: 8207427.2/69

In: 156.378+/-0.019 χ^2/NDF:8655317.1/55

Out: 156.242+/-0.019 χ^2/NDF:10373279.8/61

All: 156.310+/-0.013 χ^2/NDF: 19028623.6/11

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/36

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

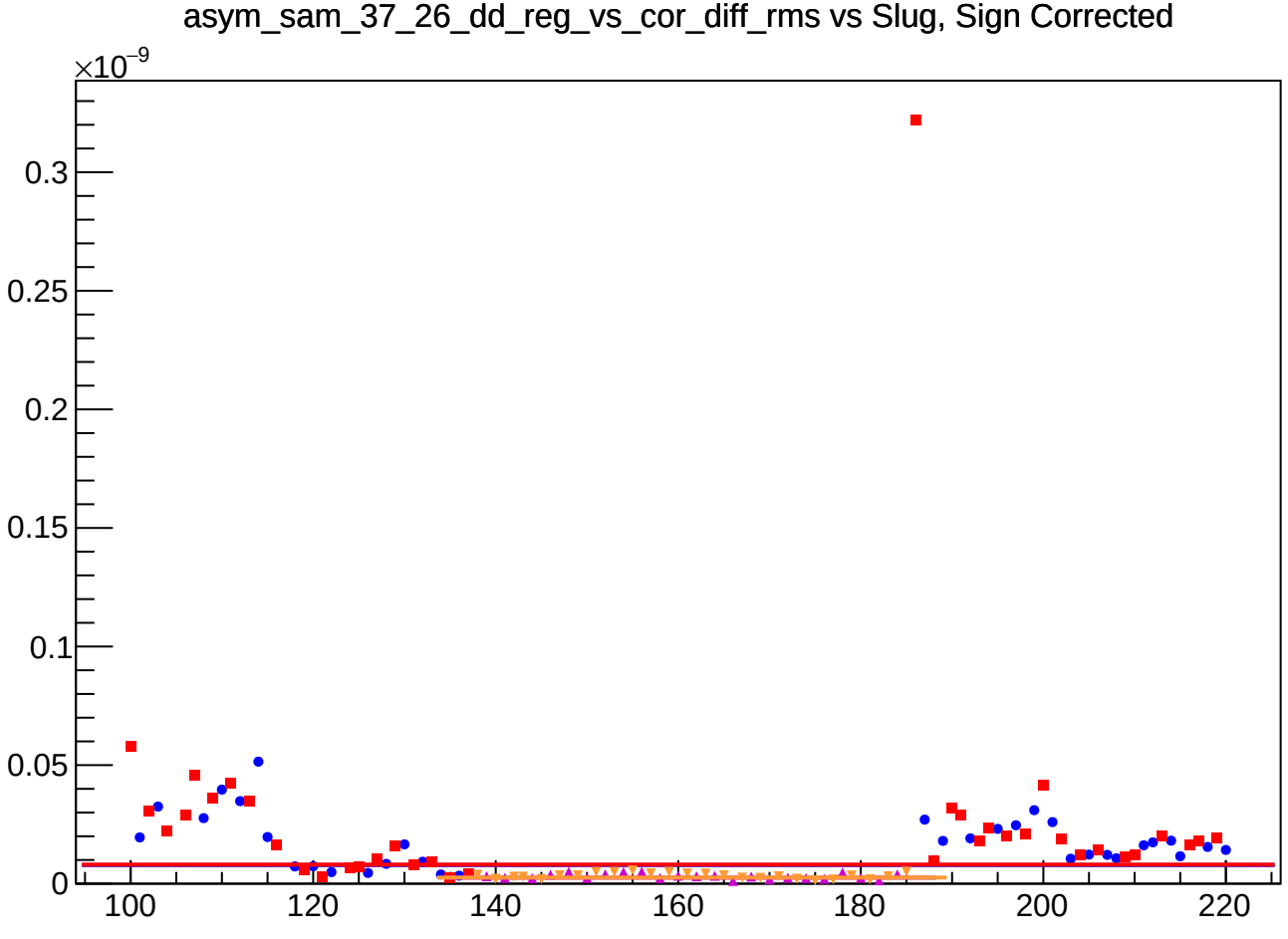
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 61.7/69

In: 0.000+/-0.000 χ^2/NDF:41.5/55

Out: 0.000+/-0.000 χ^2/NDF:68.4/61

All: 0.000+/-0.000 χ^2/NDF: 110.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 7644482.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8783939.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

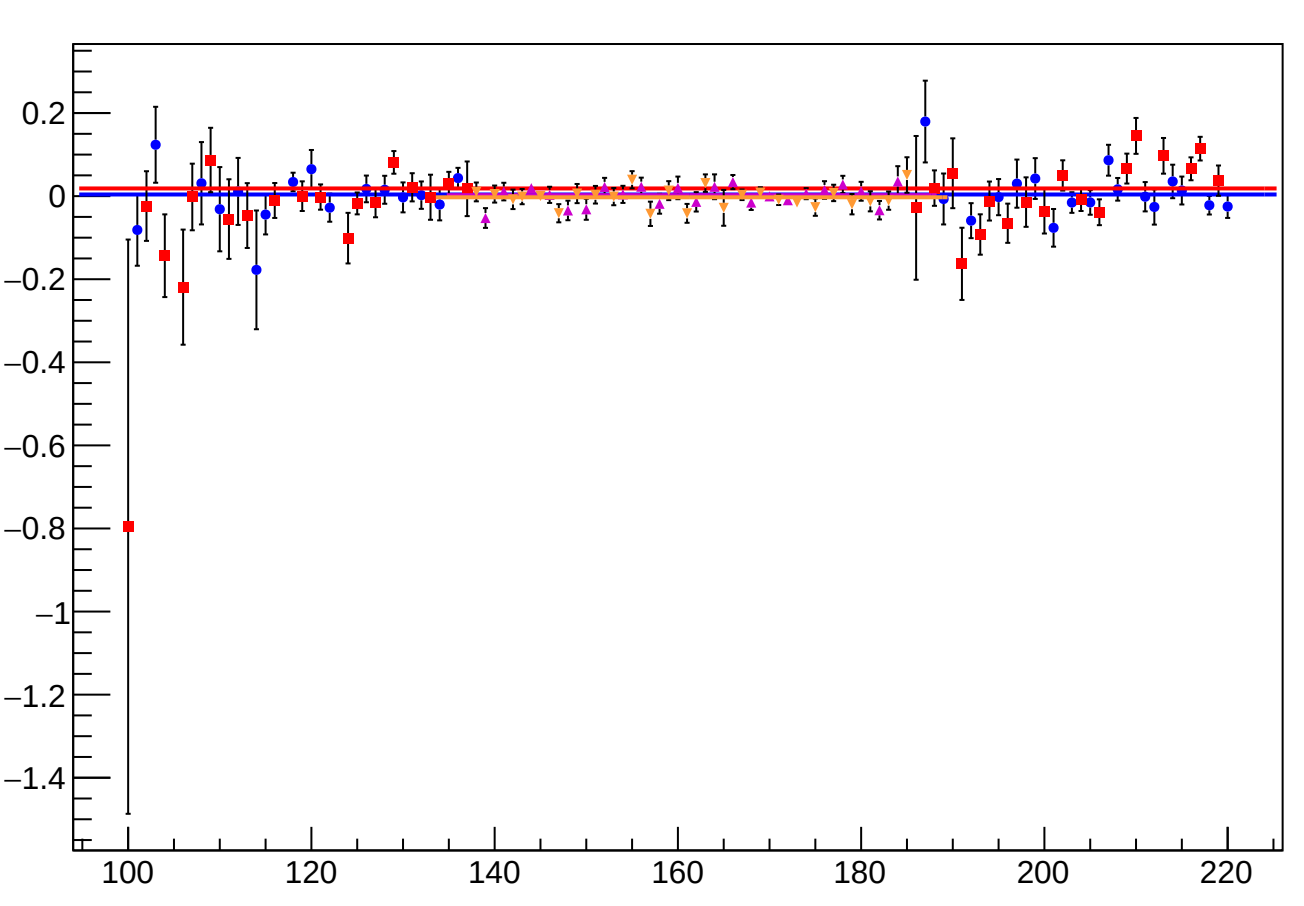
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 16431522.7/69

In: 0.000+/-0.000 χ^2/NDF:14440252.0/55

Out: 0.000+/-0.000 χ^2/NDF:15866718.5/61

All: 0.000+/-0.000 χ^2/NDF: 30307805.3/117



Right In: 0.004+/-0.006 χ^2/NDF: 32.5/32

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.018+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

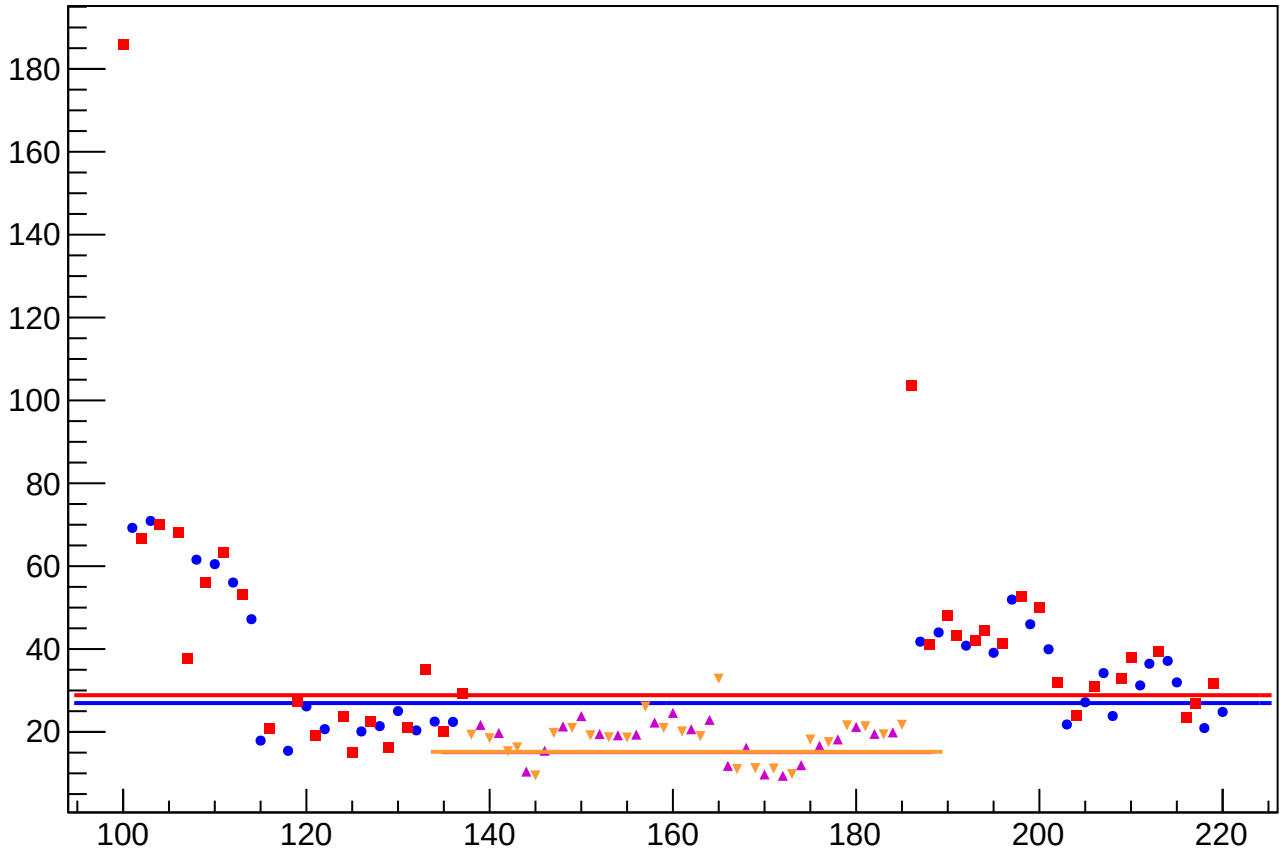
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.011+/-0.005 χ^2/NDF: 106.0/69

In: 0.003+/-0.003 χ^2/NDF:59.5/55

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.002+/-0.002 χ^2/NDF: 160.6/117



Right In: 26.956+/-0.005 χ^2/NDF: 4761585.7/32

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

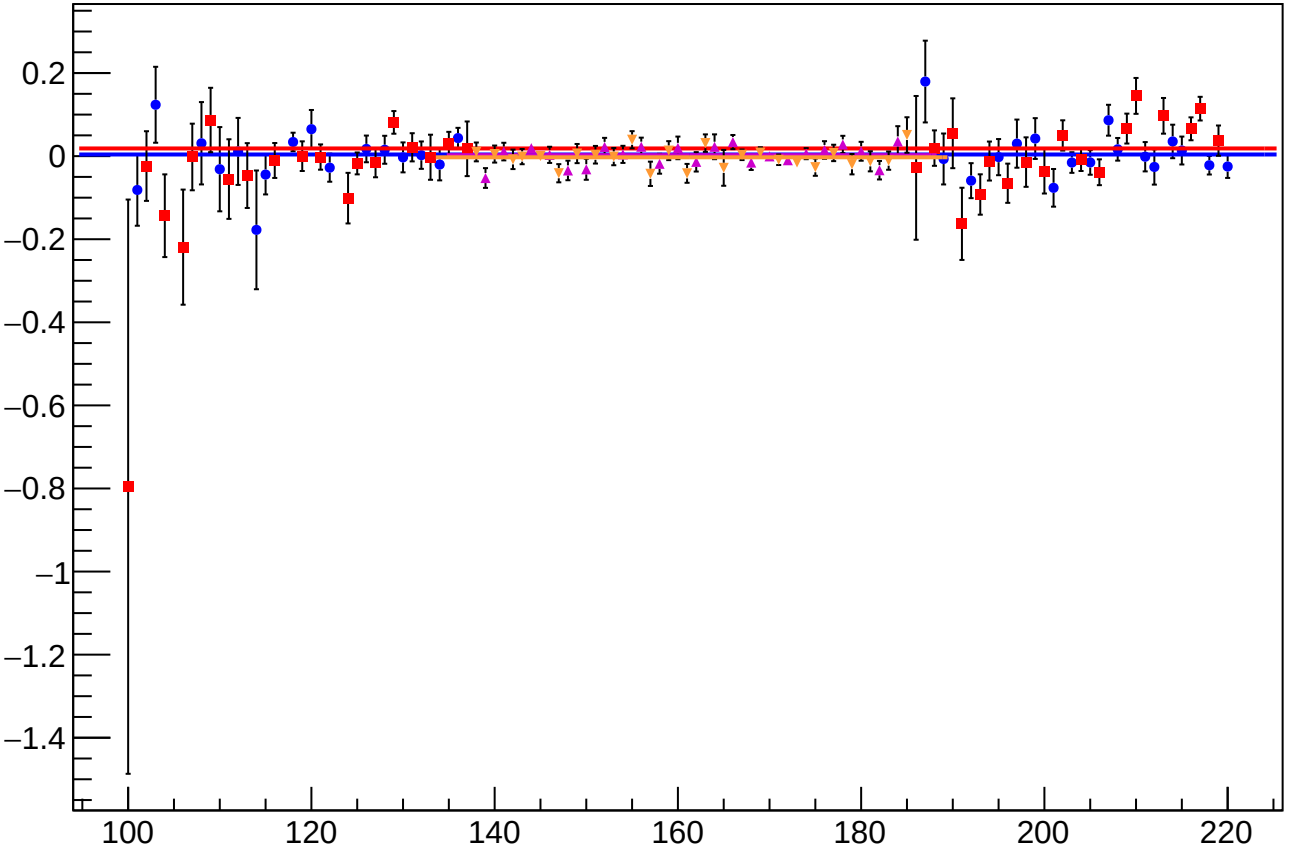
Right: 27.843+/-0.003 χ^2/NDF: 10498389.7/69

In: 18.194+/-0.002 χ^2/NDF:13143050.3/55

Out: 18.260+/-0.002 χ^2/NDF:15181731.5/61

All: 18.227+/-0.002 χ^2/NDF: 28325187.2/117

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.006 χ^2/NDF: 32.5/32

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.018+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

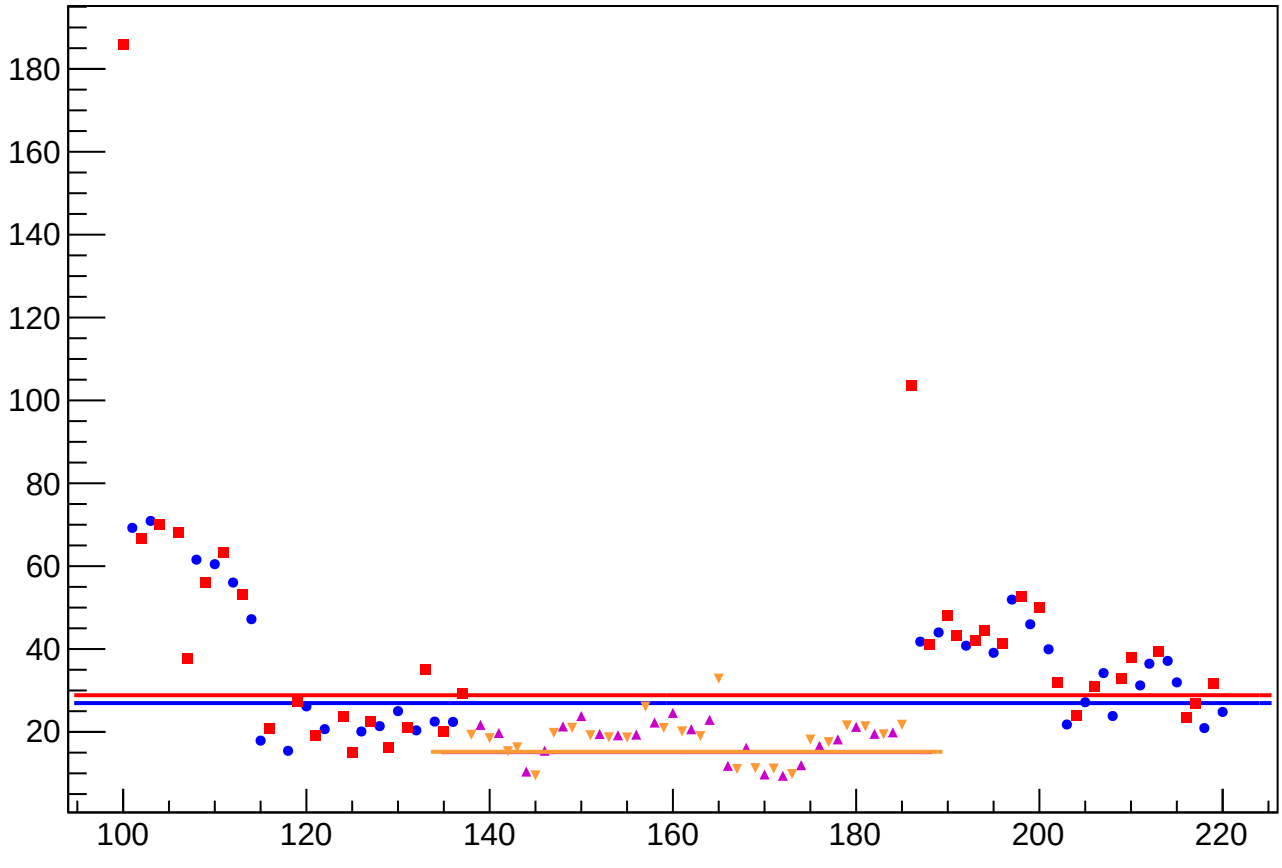
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.011+/-0.005 χ^2/NDF: 106.0/69

In: 0.003+/-0.003 χ^2/NDF:59.5/55

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.002+/-0.002 χ^2/NDF: 160.6/117



Right In: 26.956+/-0.005 χ^2/NDF: 4761585.7/32

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

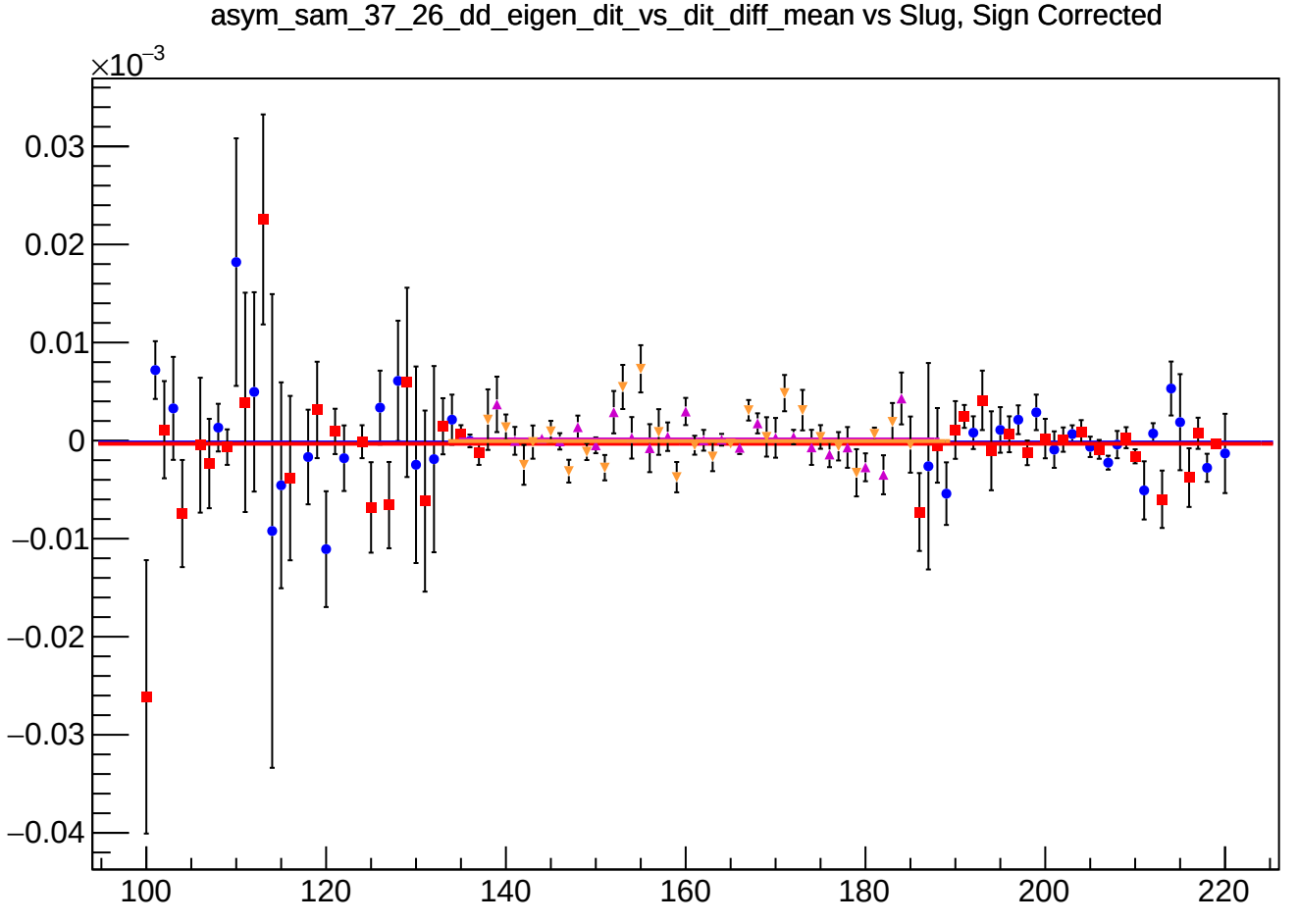
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.843+/-0.003 χ^2/NDF: 10498389.7/69

In: 18.194+/-0.002 χ^2/NDF:13143050.3/55

Out: 18.260+/-0.002 χ^2/NDF:15181731.5/61

All: 18.227+/-0.002 χ^2/NDF: 28325187.2/117



Right In: -0.000+/-0.000 χ^2/NDF: 45.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/36

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

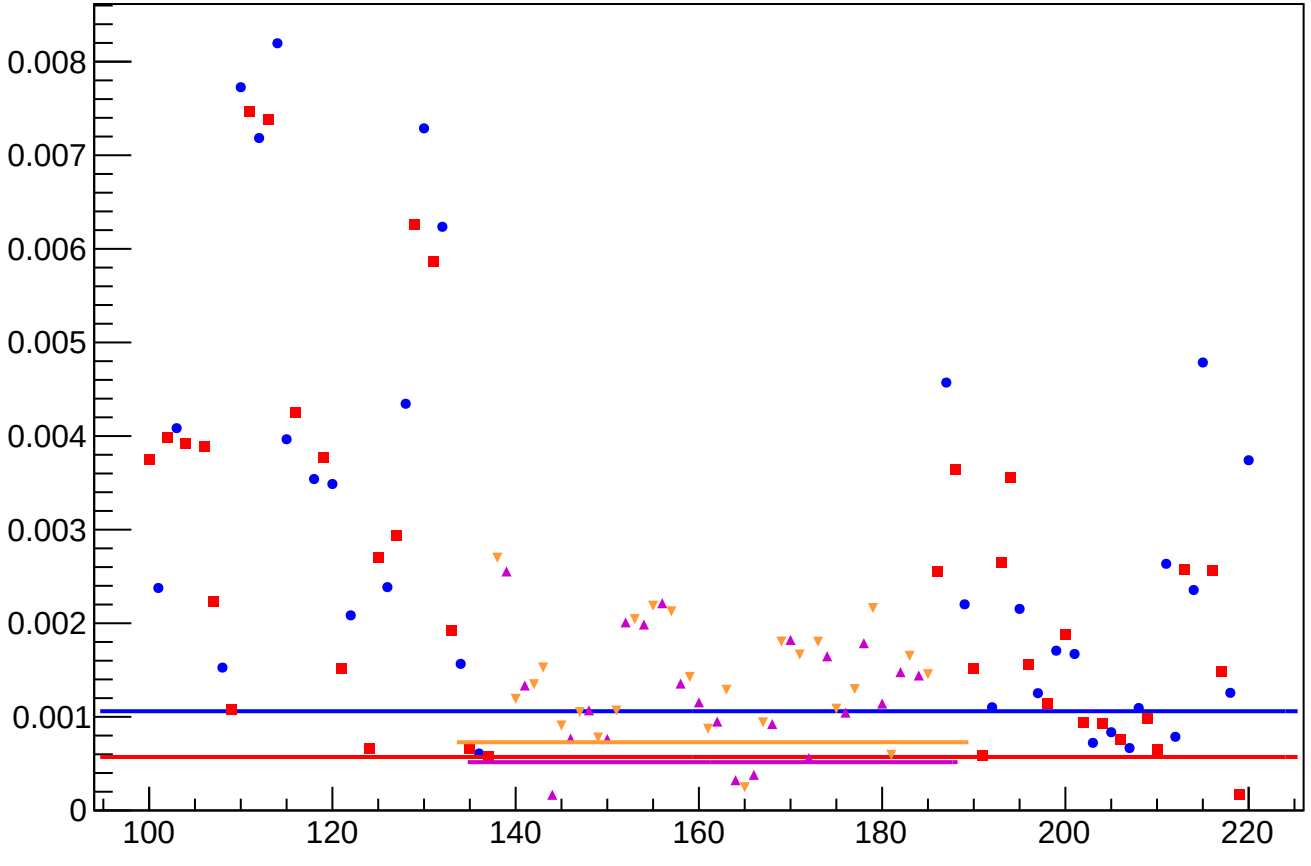
Right: -0.000+/-0.000 χ^2/NDF: 86.4/69

In: 0.000+/-0.000 χ^2/NDF:72.1/55

Out: -0.000+/-0.000 χ^2/NDF:104.2/61

All: -0.000+/-0.000 χ^2/NDF: 177.6/117

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12679276.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 22249909.8/36

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

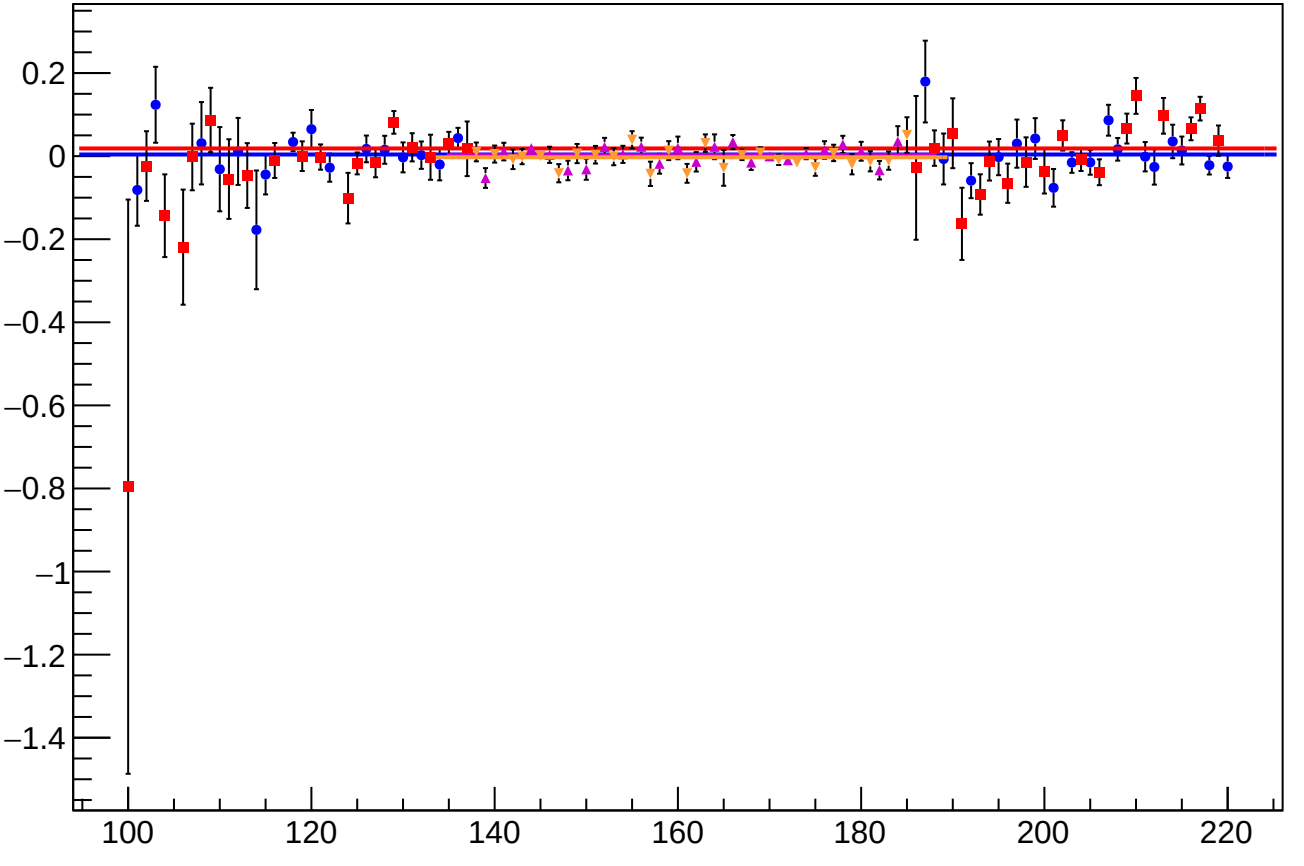
Right: 0.001+/-0.000 χ^2/NDF: 38654522.2/69

In: 0.001+/-0.000 χ^2/NDF:32668359.4/55

Out: 0.001+/-0.000 χ^2/NDF:35970821.6/61

All: 0.001+/-0.000 χ^2/NDF: 68642995.7/117

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.006 χ^2/NDF: 32.5/32

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

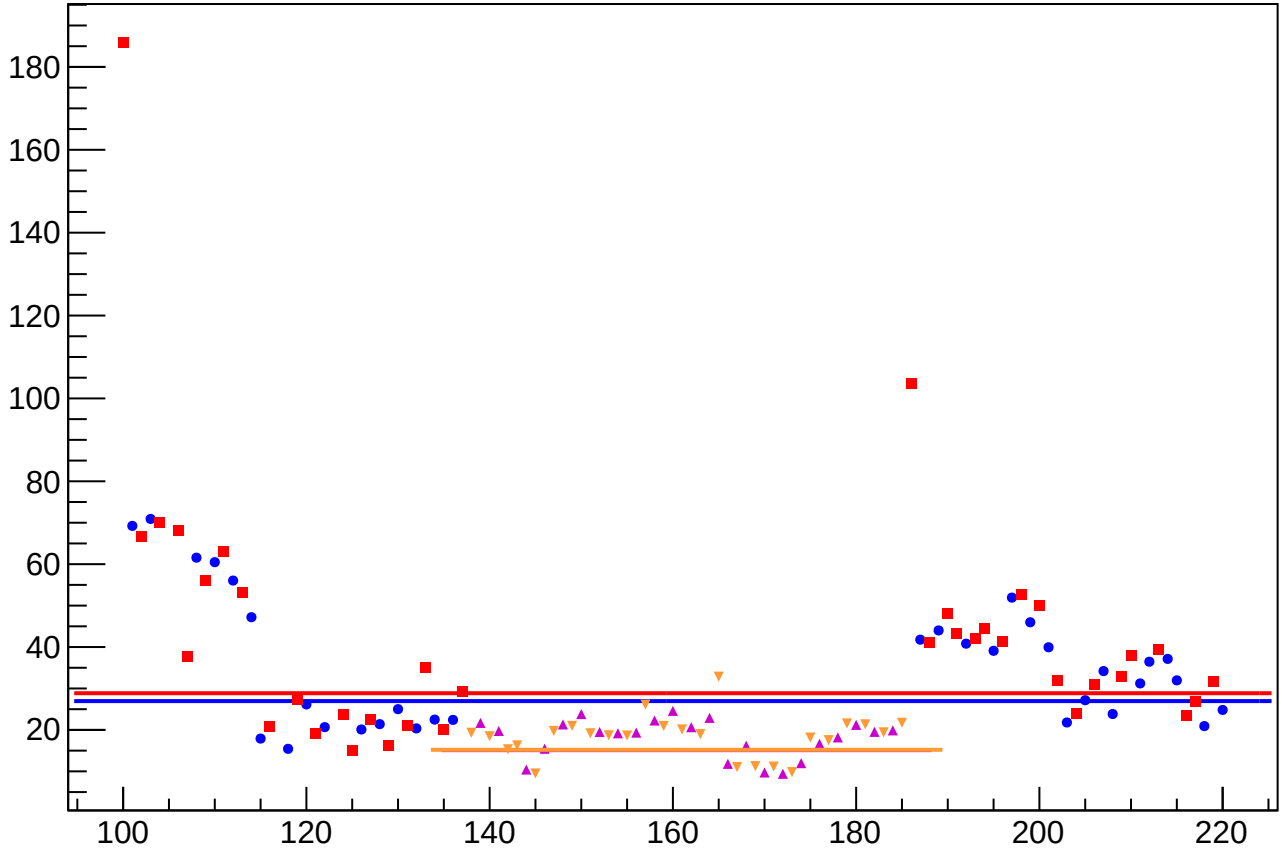
Right: 0.011+/-0.005 χ^2/NDF: 106.0/69

In: 0.003+/-0.003 χ^2/NDF:59.5/55

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.002+/-0.002 χ^2/NDF: 160.6/117

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.955+/-0.005 χ^2/NDF: 4762003.1/32

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

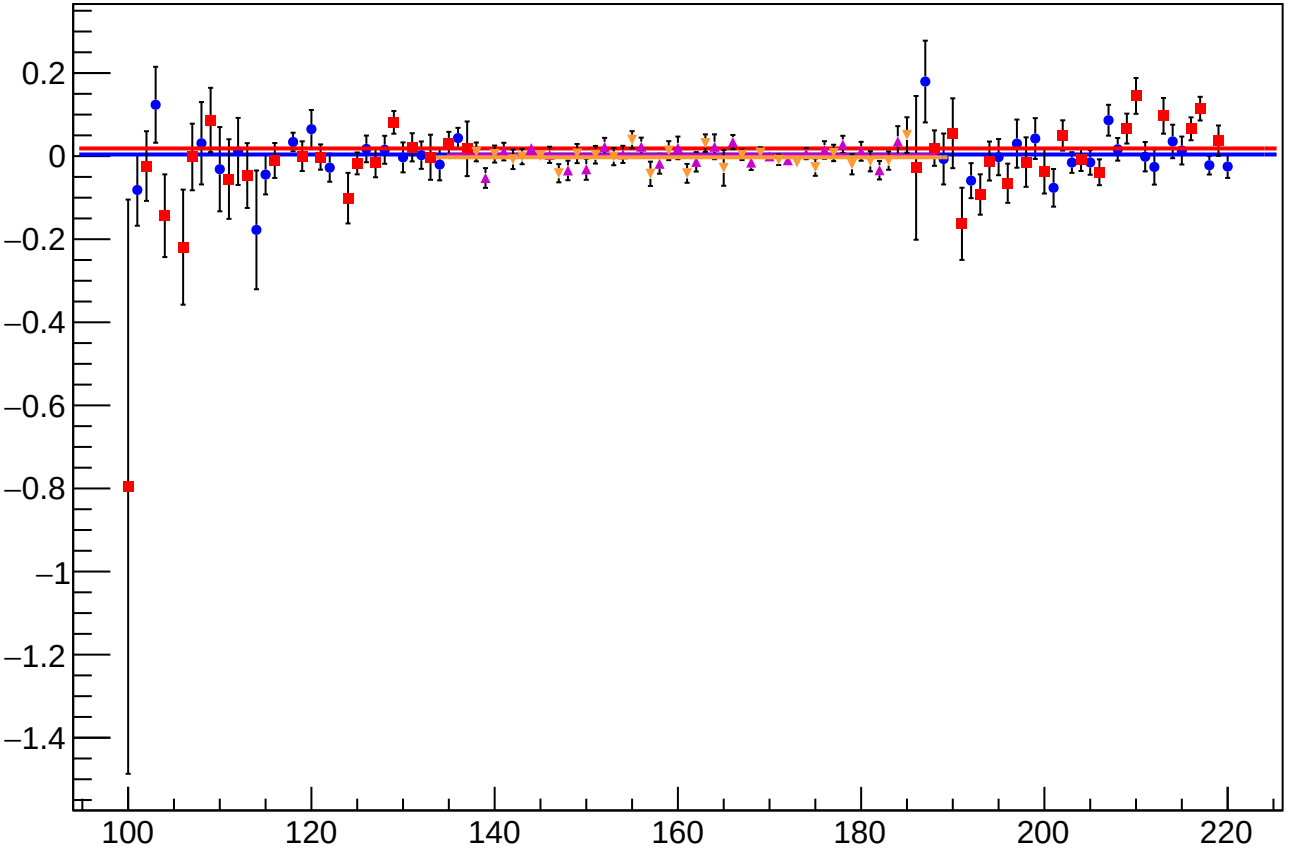
Right: 27.843+/-0.003 χ^2/NDF: 10499001.8/69

In: 18.194+/-0.002 χ^2/NDF:13142875.9/55

Out: 18.260+/-0.002 χ^2/NDF:15181816.0/61

All: 18.227+/-0.002 χ^2/NDF: 28325097.8/117

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.006 χ^2/NDF: 32.5/32

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

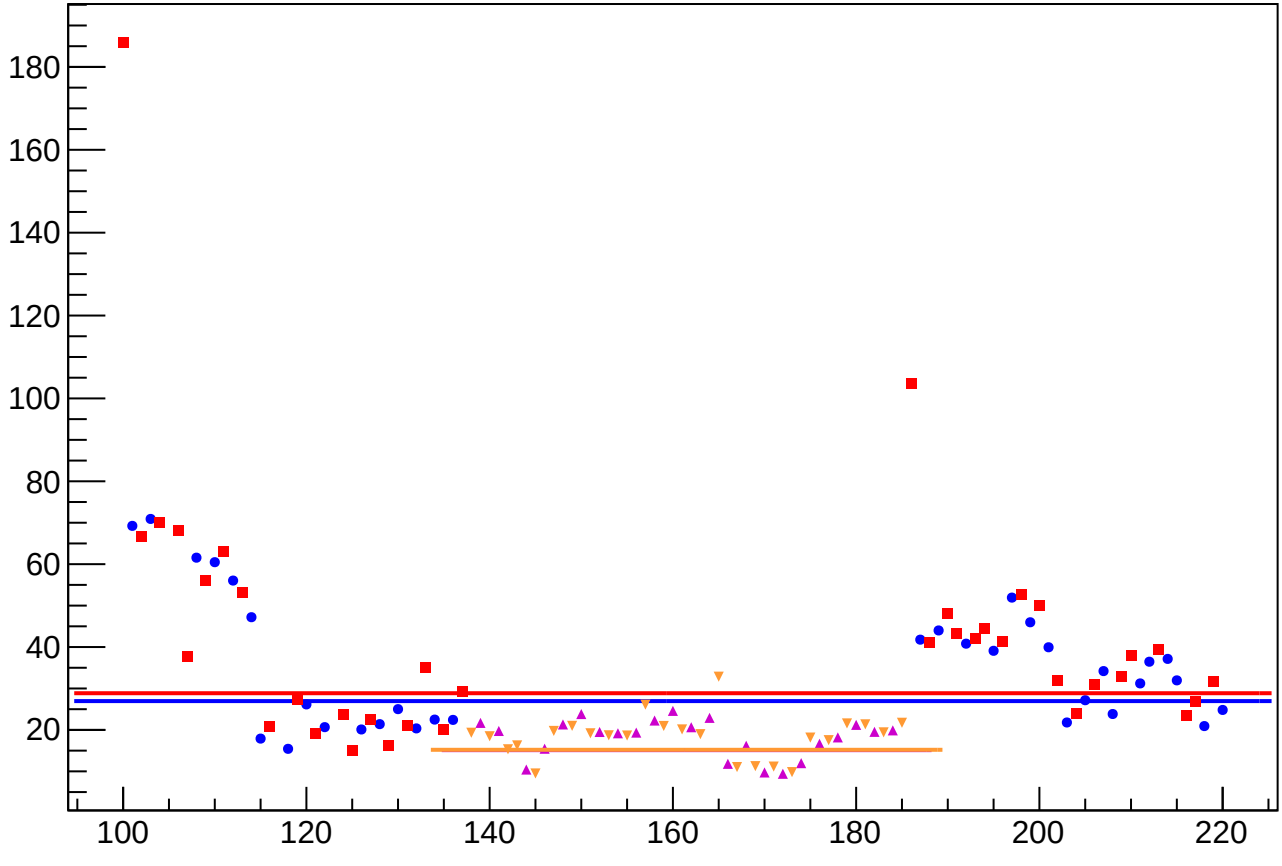
Right: 0.011+/-0.005 χ^2/NDF: 106.0/69

In: 0.003+/-0.003 χ^2/NDF:59.5/55

Out: 0.002+/-0.003 χ^2/NDF:101.1/61

All: 0.002+/-0.002 χ^2/NDF: 160.6/117

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.955+/-0.005 χ^2/NDF: 4762003.1/32

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

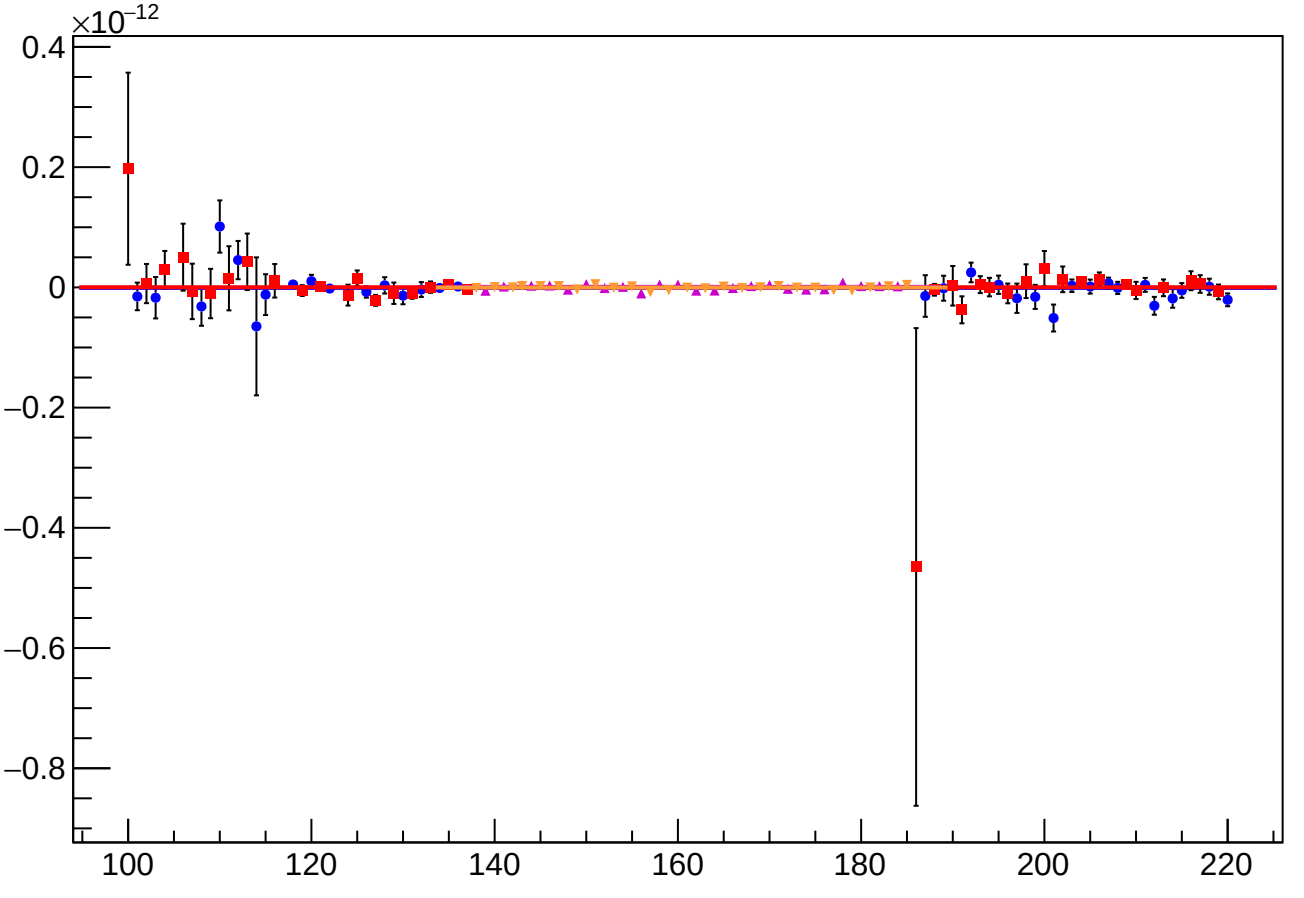
Right: 27.843+/-0.003 χ^2/NDF: 10499001.8/69

In: 18.194+/-0.002 χ^2/NDF:13142875.9/55

Out: 18.260+/-0.002 χ^2/NDF:15181816.0/61

All: 18.227+/-0.002 χ^2/NDF: 28325097.8/117

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/36

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

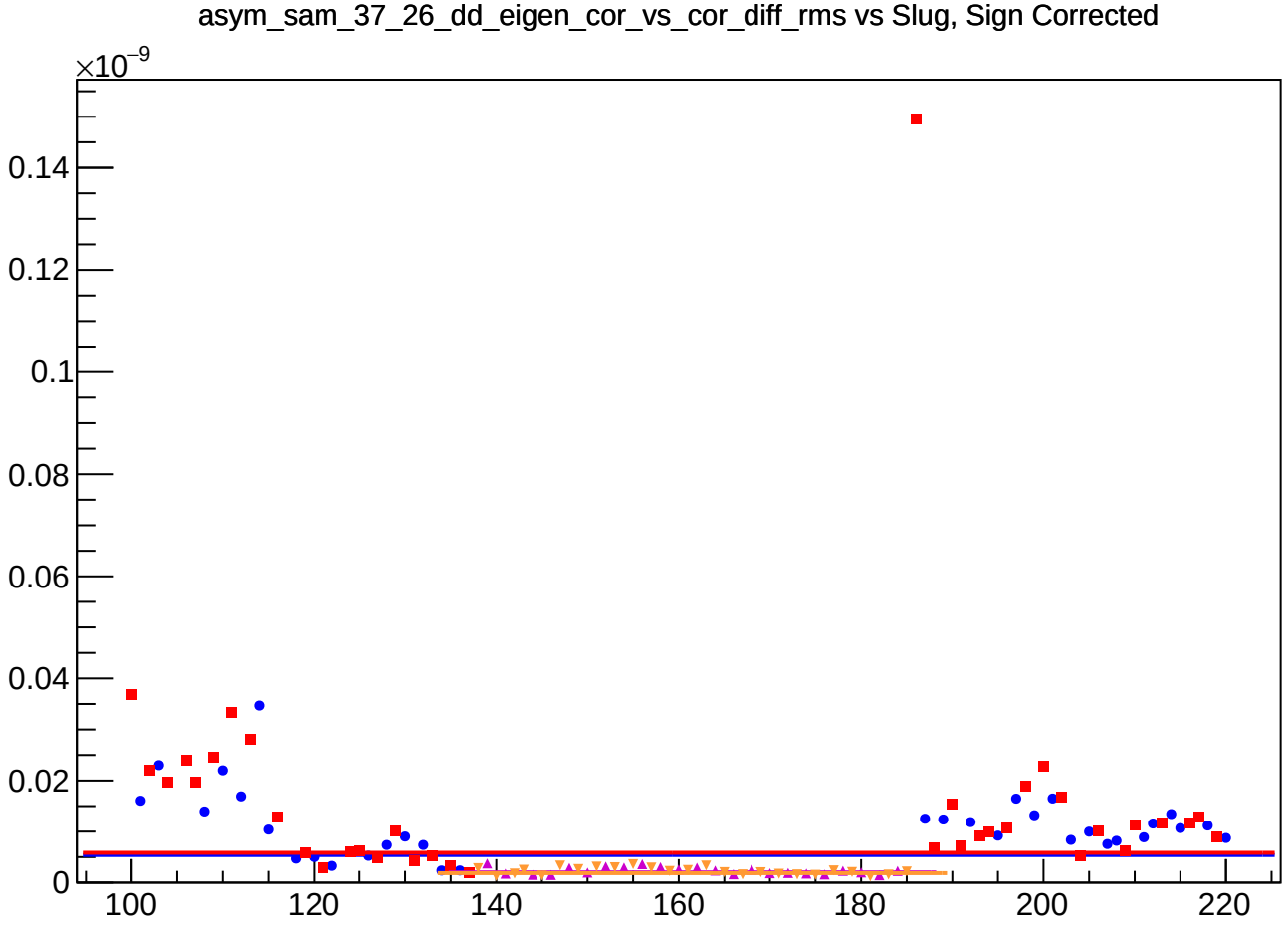
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: -0.000+/-0.000 χ^2/NDF: 59.7/69

In: 0.000+/-0.000 χ^2/NDF:72.3/55

Out: -0.000+/-0.000 χ^2/NDF:49.0/61

All: 0.000+/-0.000 χ^2/NDF: 122.6/117



Right In: 0.000+/-0.000 χ^2/NDF: 9762556.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9806368.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

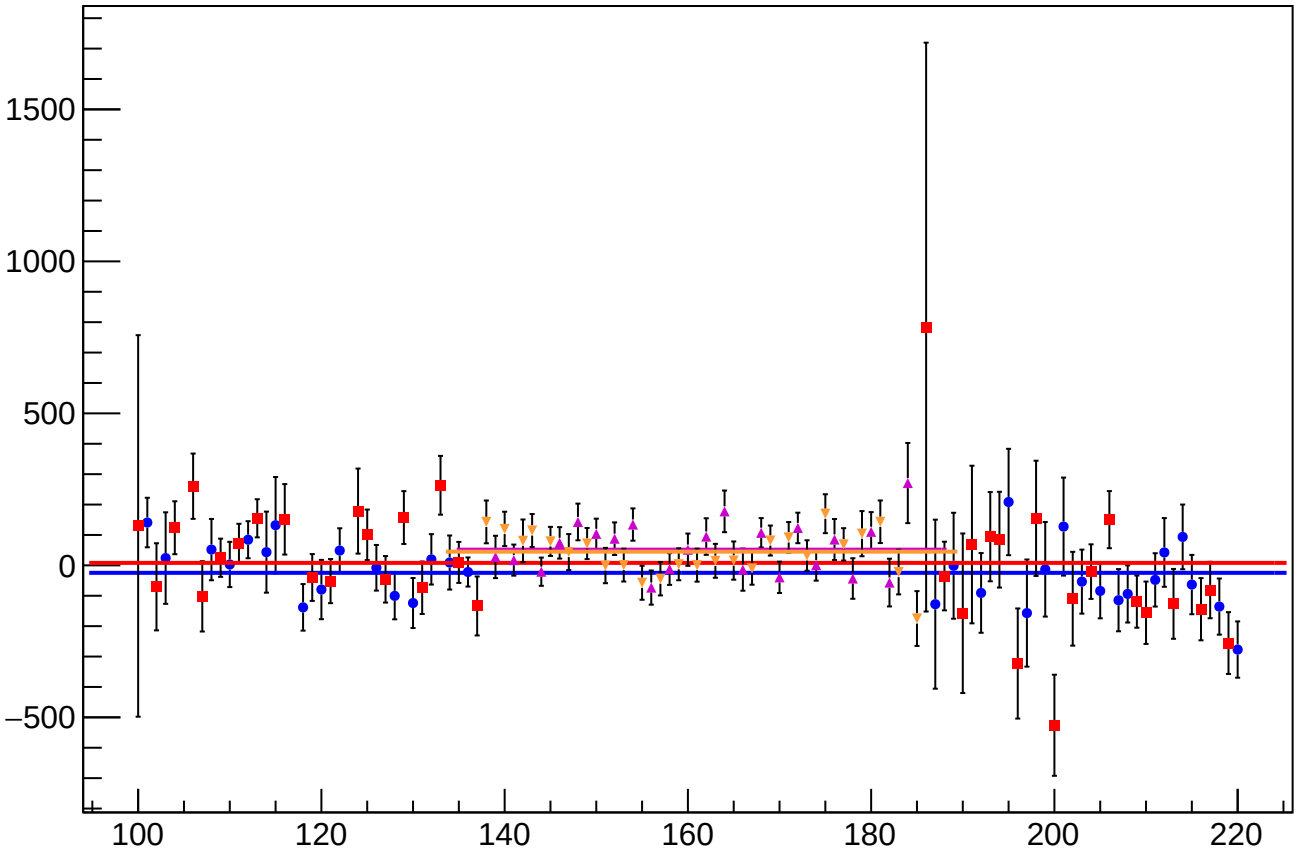
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 19626933.5/69

In: 0.000+/-0.000 χ^2/NDF:18572164.5/55

Out: 0.000+/-0.000 χ^2/NDF:20617942.3/61

All: 0.000+/-0.000 χ^2/NDF: 39319137.3/117



Right In: -24.589+/-16.206 χ^2/NDF: 32.0/32

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 8.145+/-16.261 χ^2/NDF: 69.0/36

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

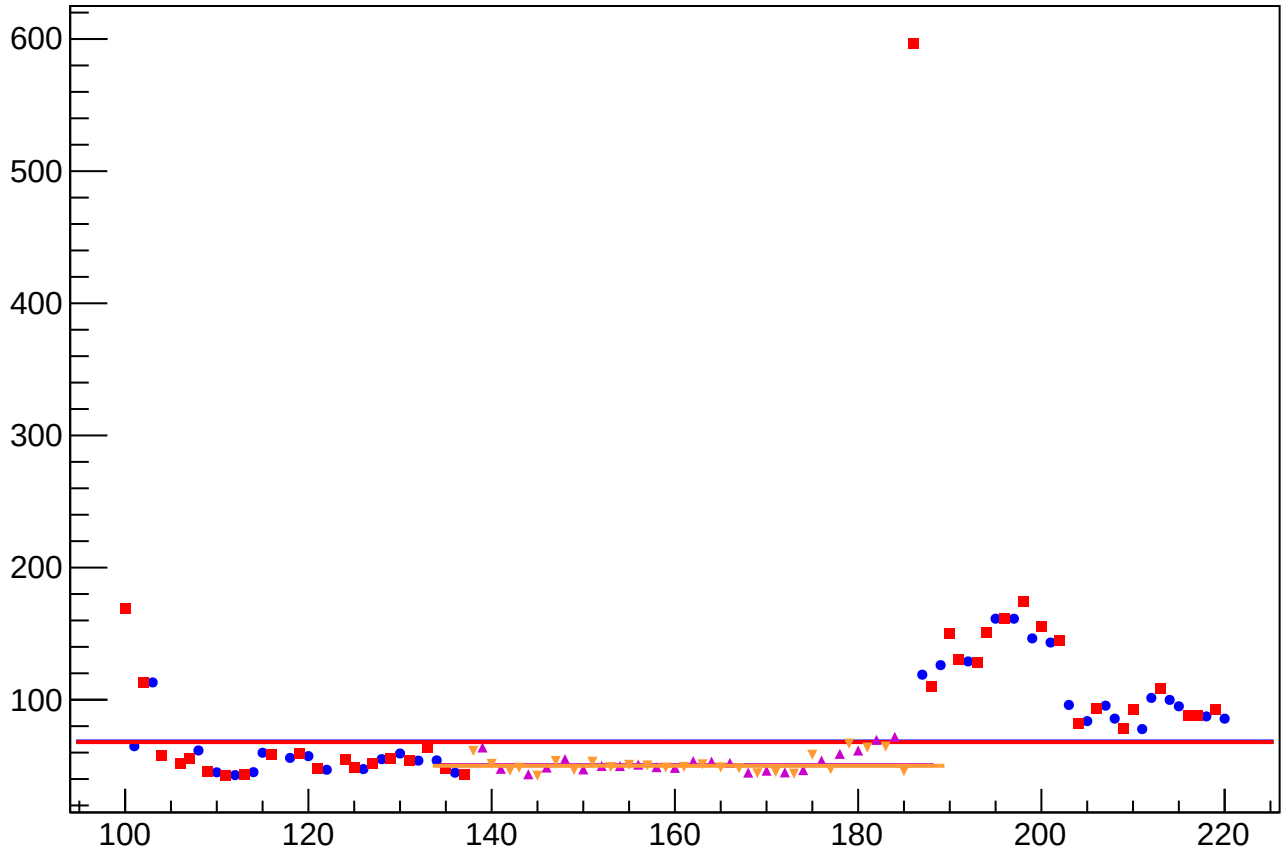
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: -8.277+/-11.479 χ^2/NDF: 103.0/69

In: 24.837+/-9.607 χ^2/NDF:82.1/55

Out: 32.782+/-9.386 χ^2/NDF:103.8/61

All: 28.902+/-6.714 χ^2/NDF: 186.3/117



Right In: 68.418+/-0.011 χ^2/NDF: 5731135.7/32

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.942+/-0.011 χ^2/NDF: 7251310.3/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

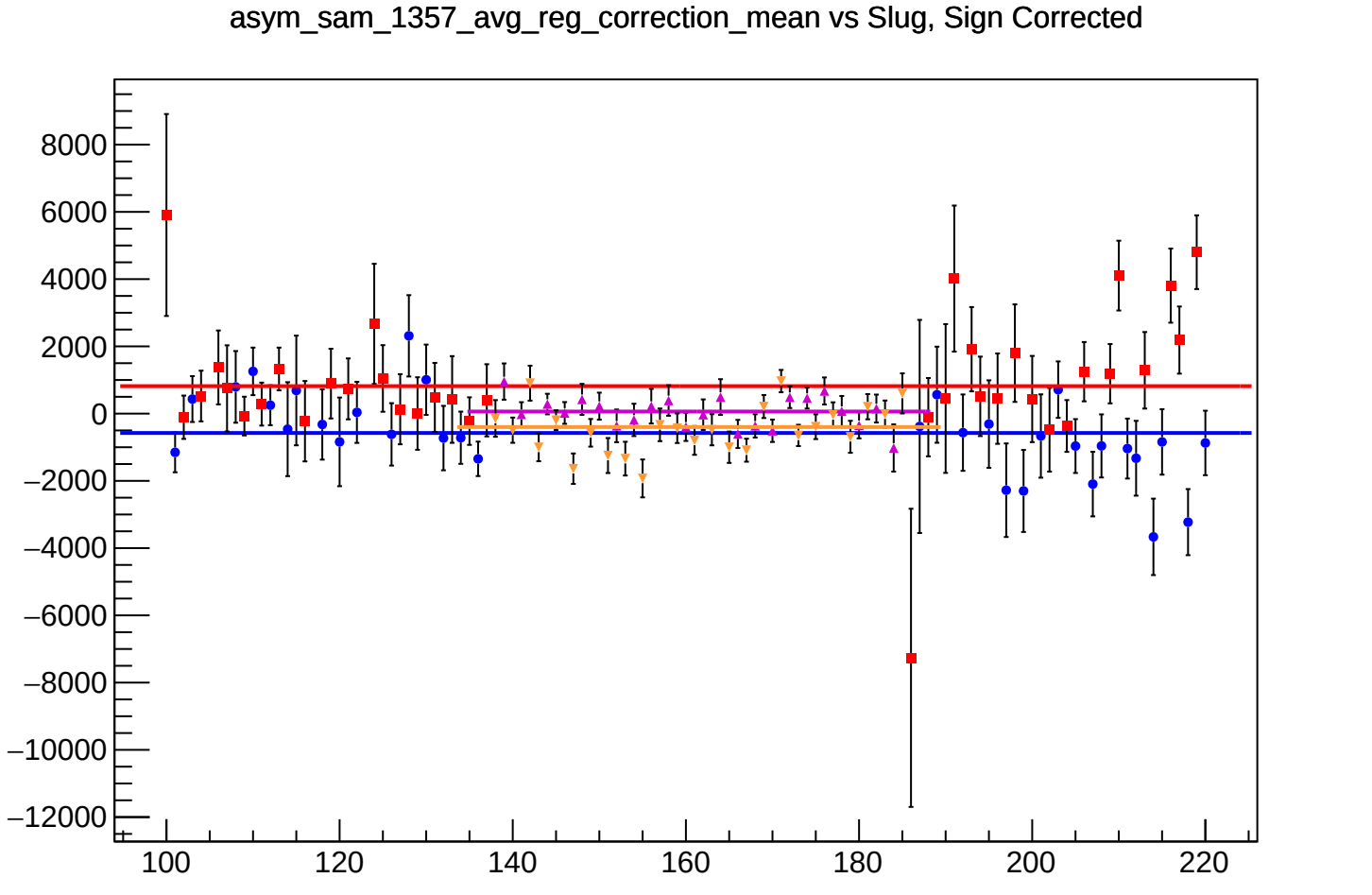
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 68.181+/-0.008 χ^2/NDF: 12983305.4/69

In: 56.804+/-0.007 χ^2/NDF:7818177.2/55

Out: 55.992+/-0.007 χ^2/NDF:9380300.8/61

All: 56.389+/-0.005 χ^2/NDF: 17205787.2/117



Right In: -575.899+/-160.916 χ^2/NDF: 49.9/32

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 817.532+/-163.292 χ^2/NDF: 58.6/36

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

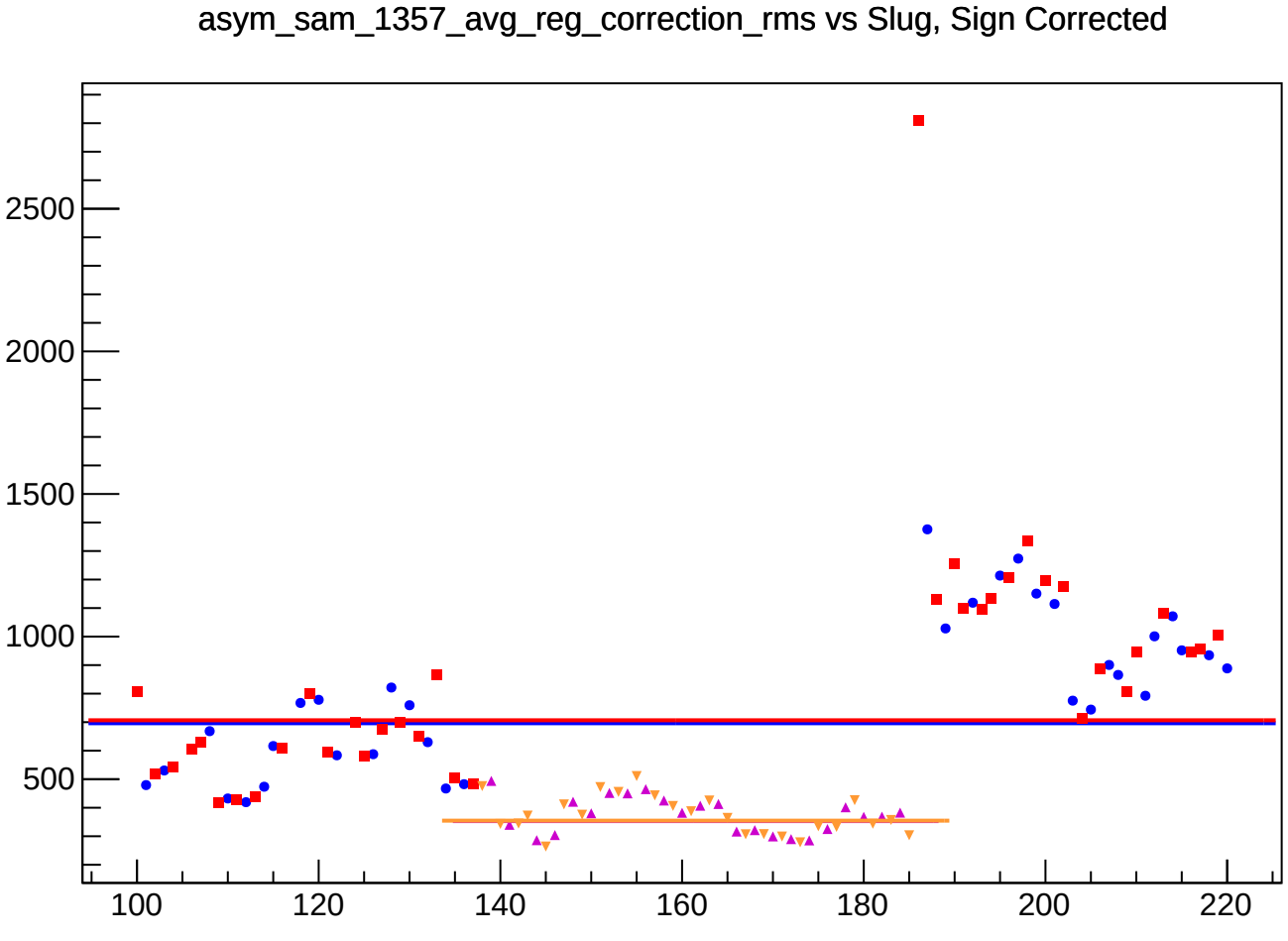
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 110.605+/-114.616 χ^2/NDF: 145.5/69

In: -74.296+/-74.390 χ^2/NDF:86.2/55

Out: -153.993+/-73.325 χ^2/NDF:168.4/61

All: -114.719+/-52.221 χ^2/NDF: 255.1/117



Right In: 696.199+/-0.114 χ^2/NDF: 4339472.2/32

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 706.598+/-0.115 χ^2/NDF: 5313333.4/36

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

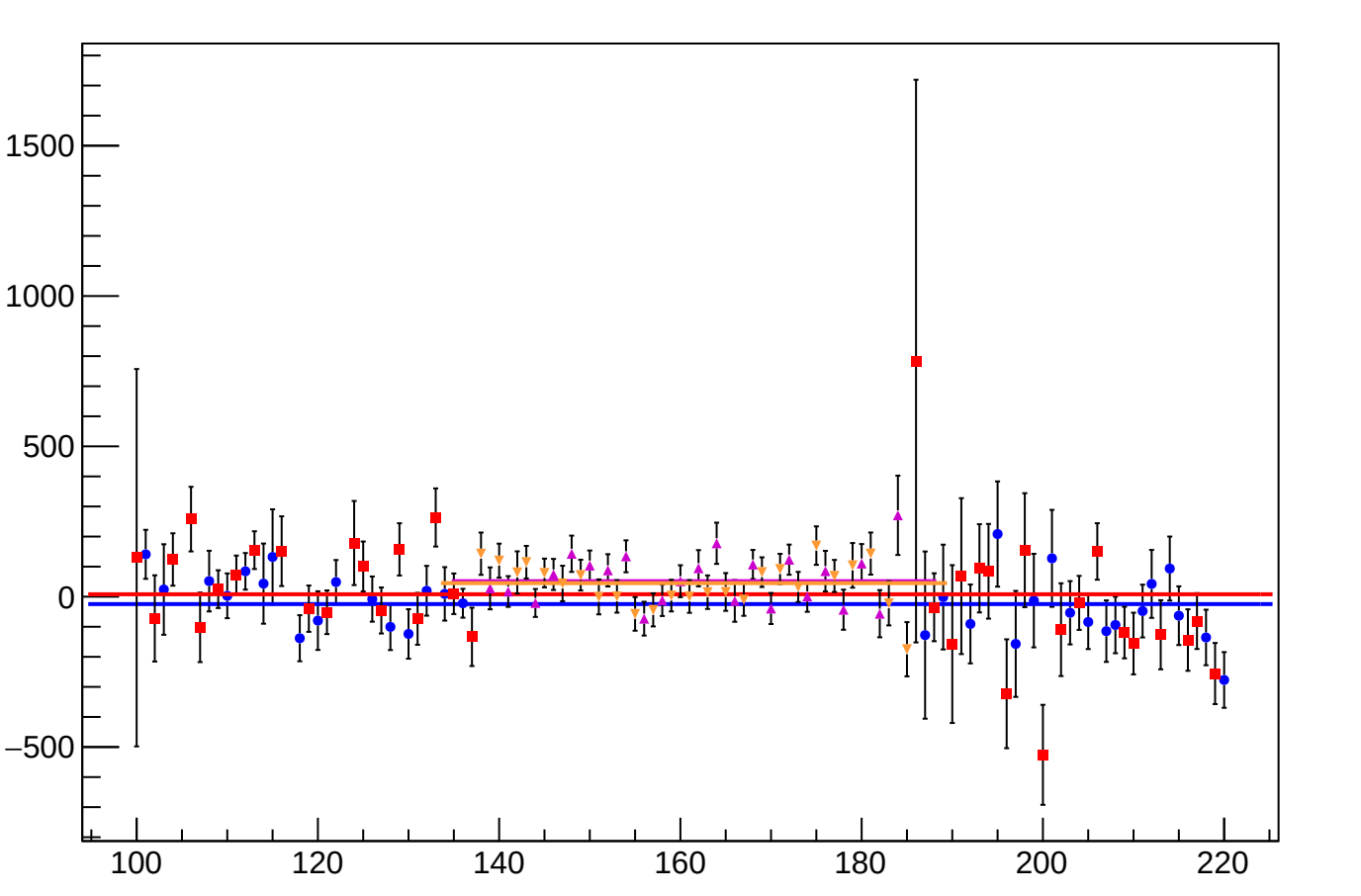
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 701.322+/-0.081 χ^2/NDF: 9656921.0/69

In: 426.432+/-0.053 χ^2/NDF:12492269.3/55

Out: 425.632+/-0.052 χ^2/NDF:13875433.2/61

All: 426.026+/-0.037 χ^2/NDF: 26367819.8/1



Right In: -24.592+/-16.206 χ^2/NDF: 32.0/32

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 8.065+/-16.261 χ^2/NDF: 68.9/36

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

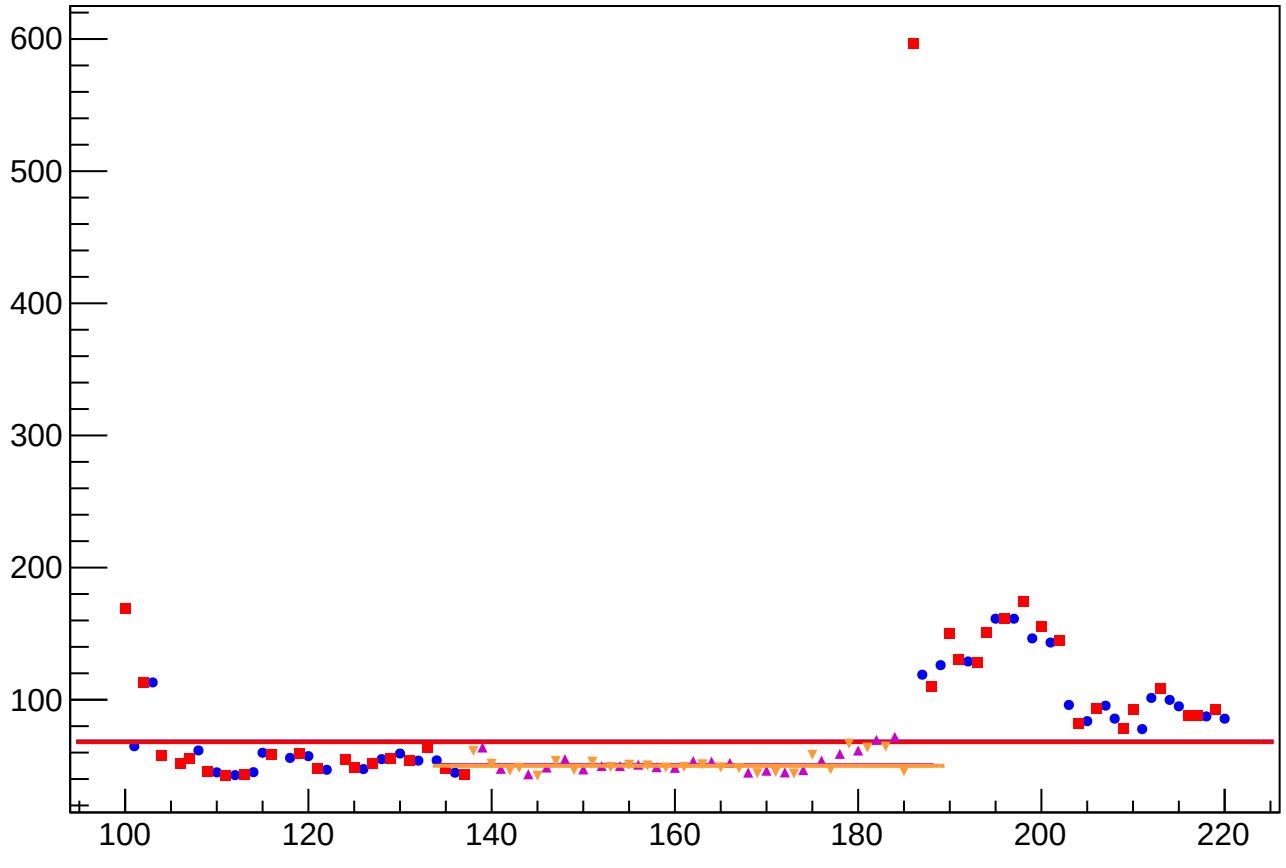
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -8.319+/-11.479 χ^2/NDF: 102.9/69

In: 24.836+/-9.607 χ^2/NDF:82.1/55

Out: 32.758+/-9.386 χ^2/NDF:103.7/61

All: 28.889+/-6.714 χ^2/NDF: 186.2/117



Right In: 68.418+/-0.011 χ^2/NDF: 5731138.0/32

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

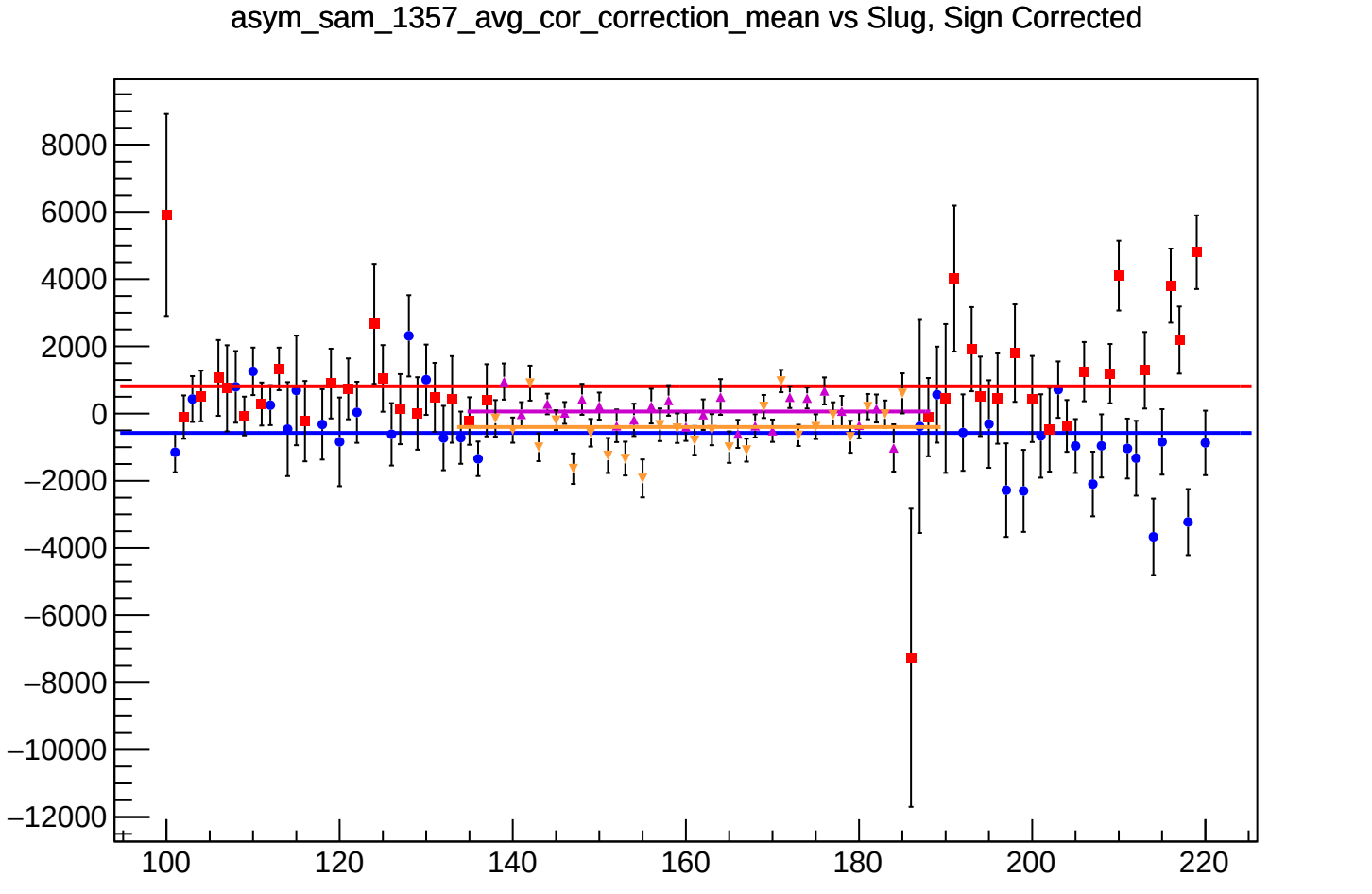
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 68.178+/-0.008 χ^2/NDF: 12985233.9/69

In: 56.804+/-0.007 χ^2/NDF:7818179.5/55

Out: 55.990+/-0.007 χ^2/NDF:9380991.2/61

All: 56.388+/-0.005 χ^2/NDF: 17206521.5/117



Right In: -575.890+/-160.917 χ^2/NDF: 49.9/32

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 810.692+/-163.391 χ^2/NDF: 58.4/36

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

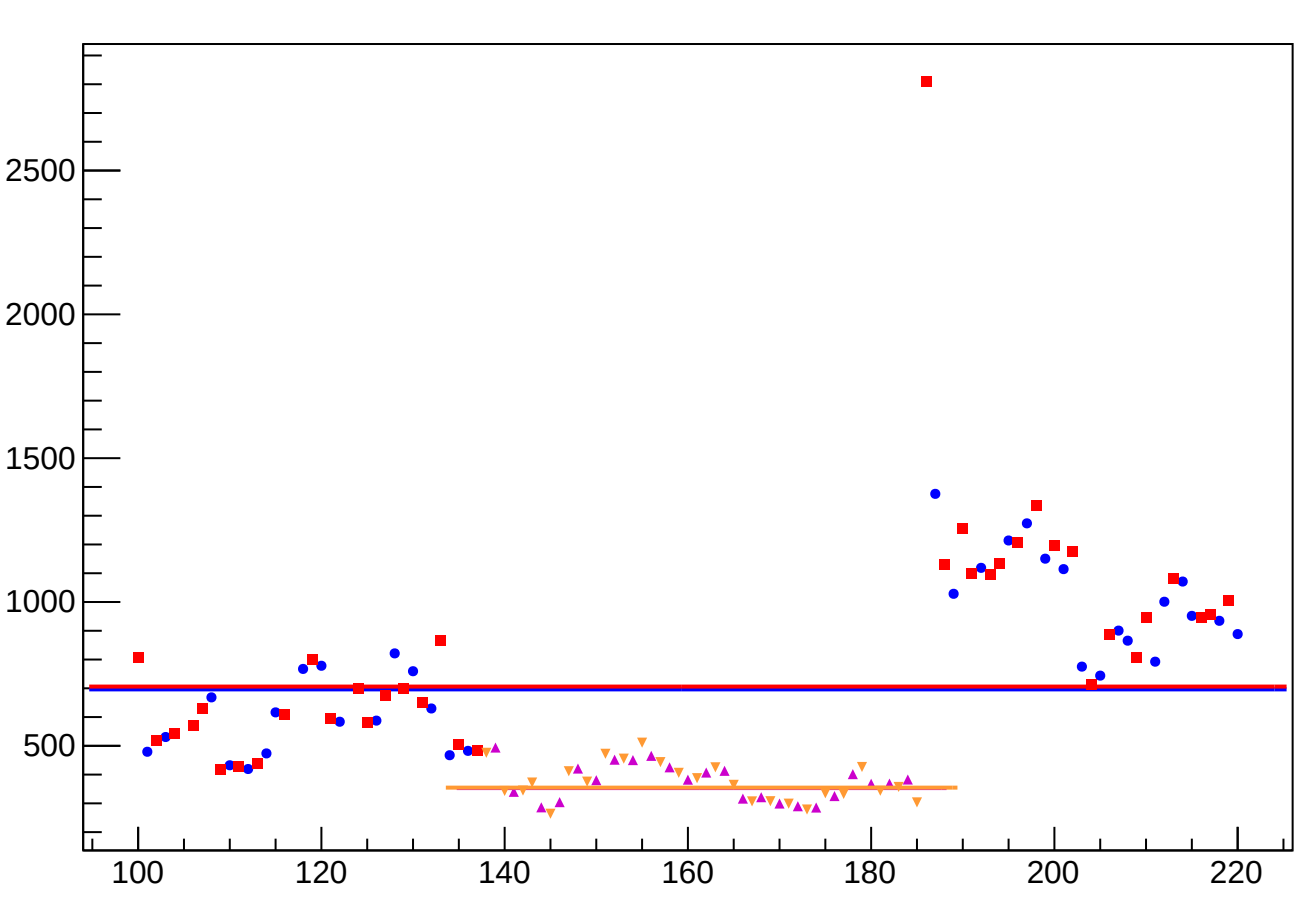
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 106.823+/-114.650 χ^2/NDF: 144.8/69

In: -74.293+/-74.390 χ^2/NDF:86.2/55

Out: -155.604+/-73.334 χ^2/NDF:167.6/61

All: -115.530+/-52.224 χ^2/NDF: 254.4/117



Right In: 696.204+/-0.114 χ^2/NDF: 4339367.5/32

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

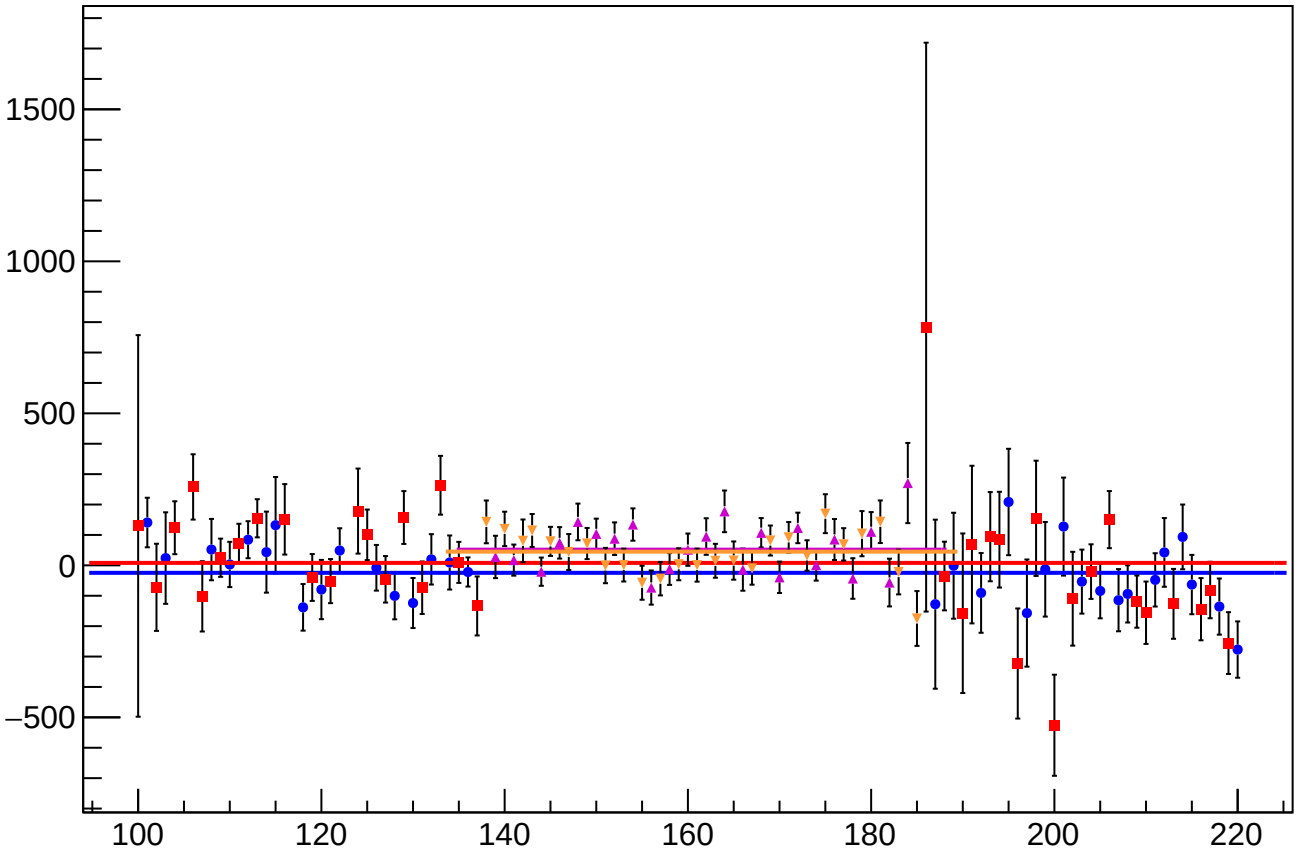
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 701.036+/-0.081 χ^2/NDF: 9667501.1/69

In: 426.432+/-0.053 χ^2/NDF:12492312.6/55

Out: 425.446+/-0.052 χ^2/NDF:13854947.9/61

All: 425.932+/-0.037 χ^2/NDF: 26347438.8/1



Right In: -24.592+/-16.206 χ^2/NDF: 32.0/32

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 8.065+/-16.261 χ^2/NDF: 68.9/36

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

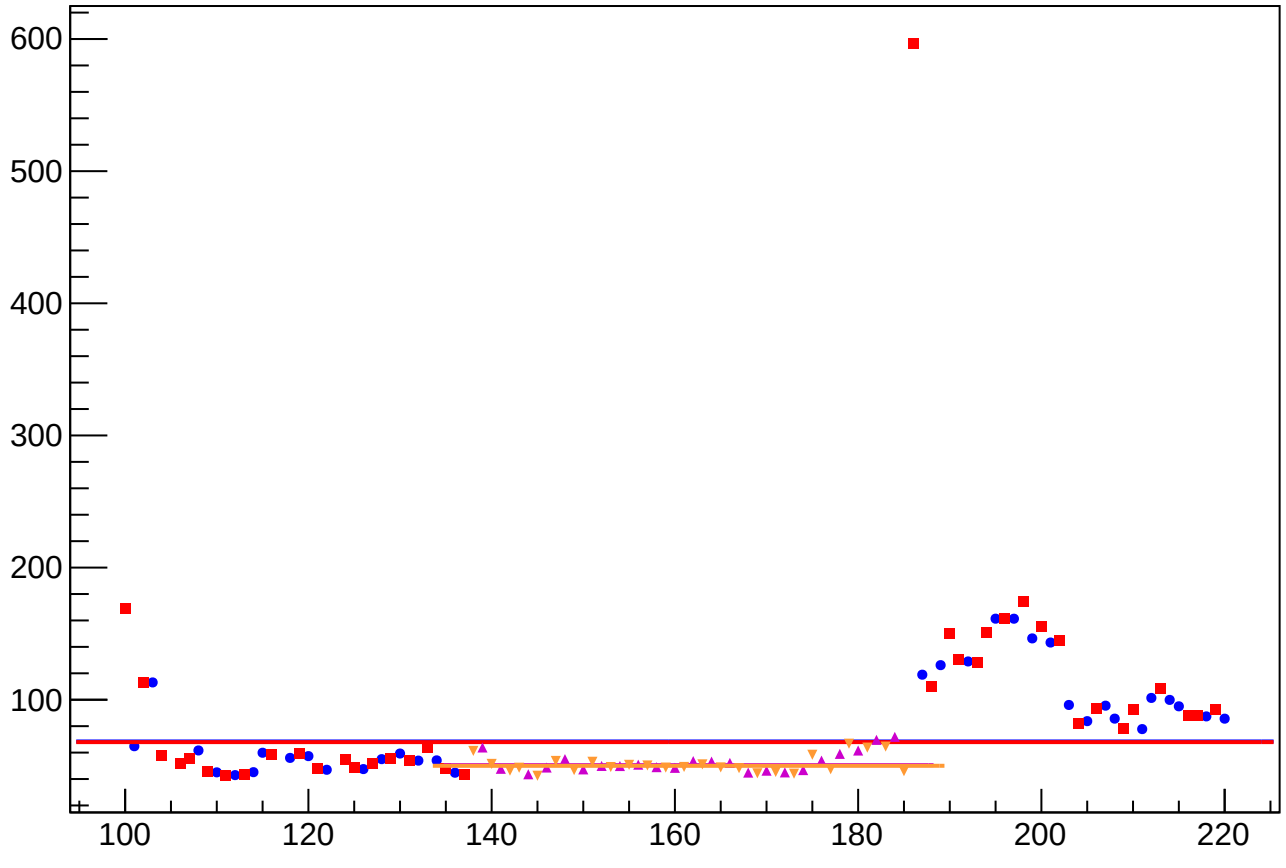
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: -8.319+/-11.479 χ^2/NDF: 102.9/69

In: 24.836+/-9.607 χ^2/NDF:82.1/55

Out: 32.758+/-9.386 χ^2/NDF:103.7/61

All: 28.889+/-6.714 χ^2/NDF: 186.2/117



Right In: 68.418+/-0.011 χ^2/NDF: 5731138.0/32

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

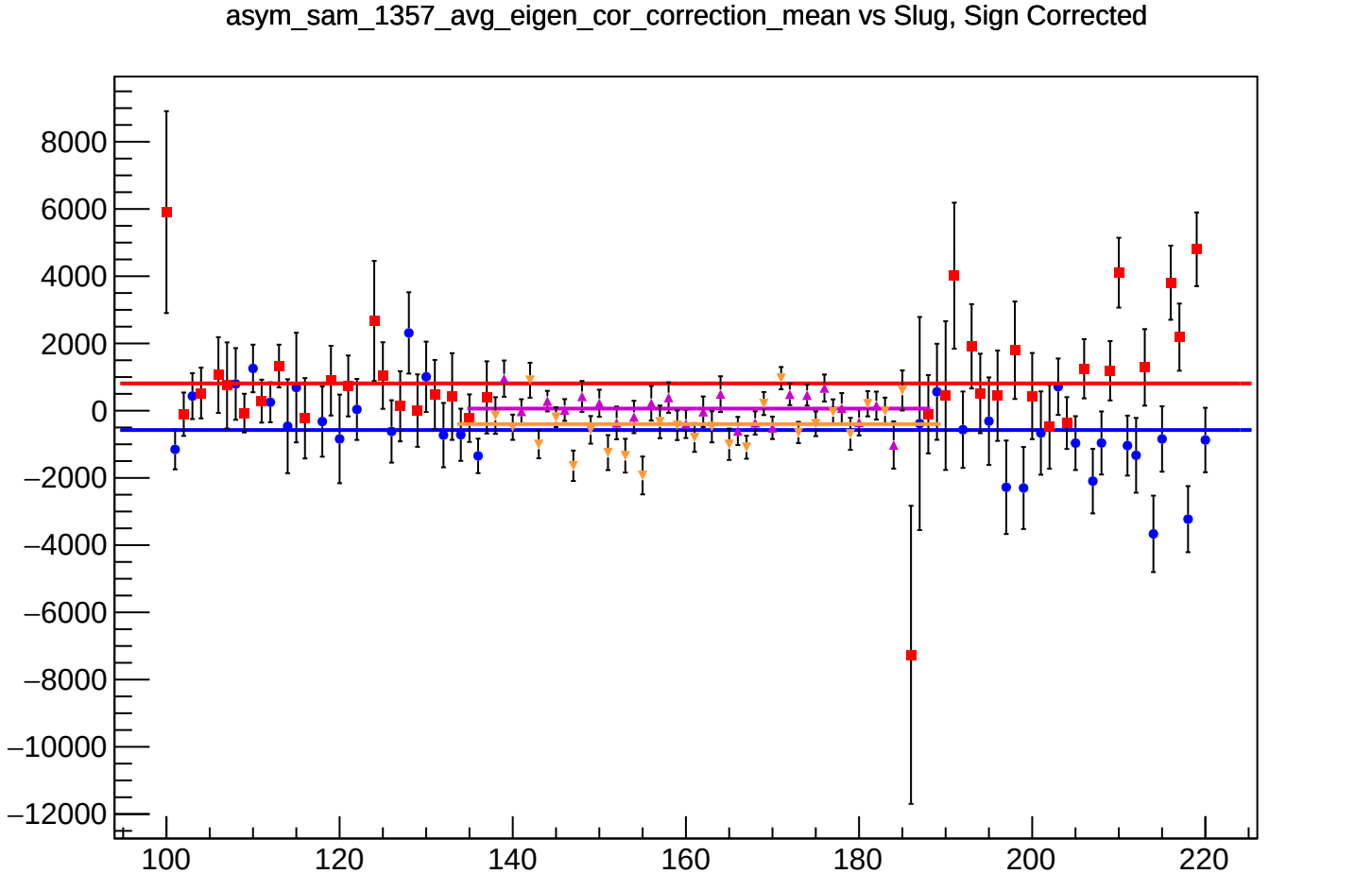
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

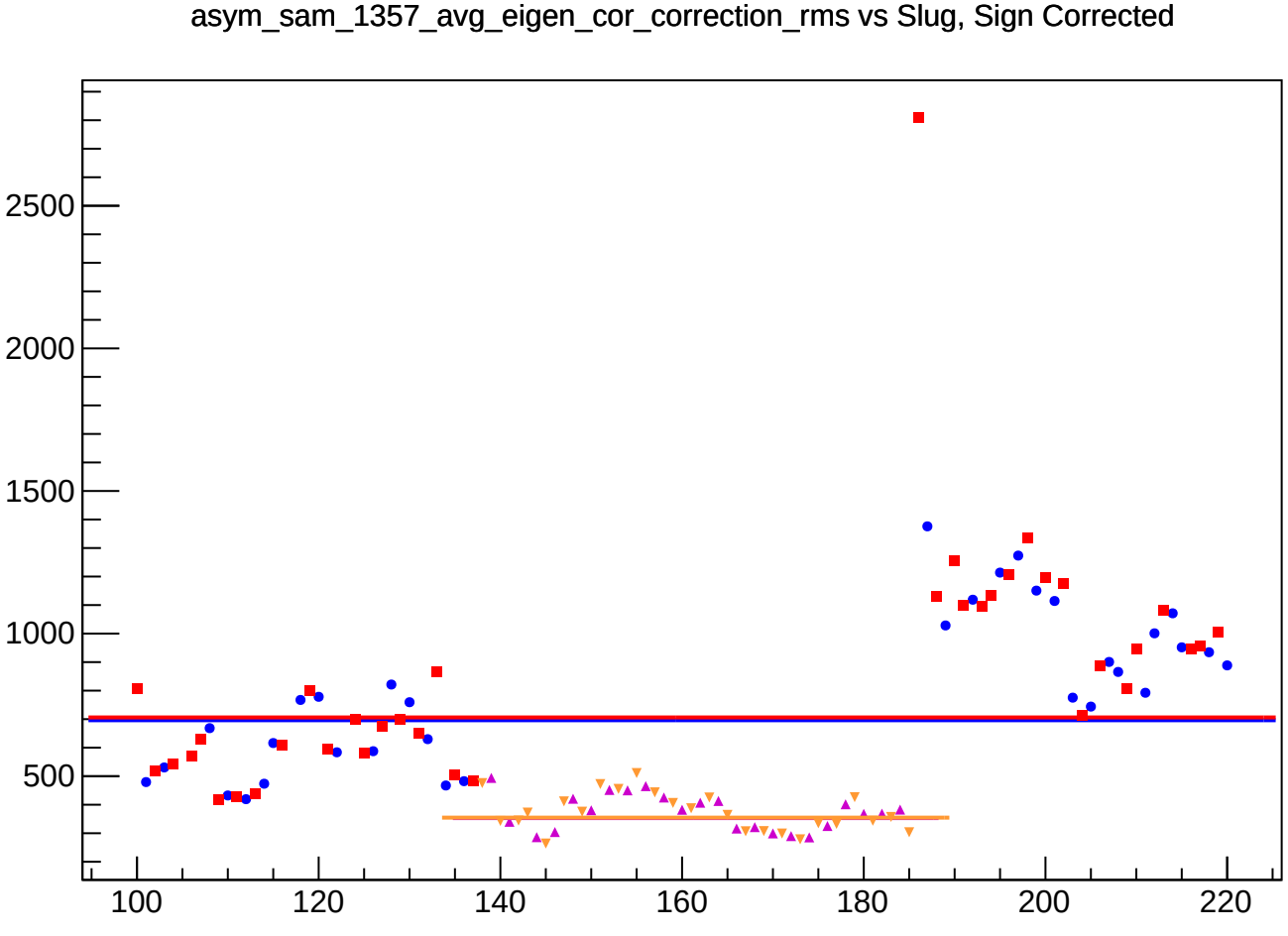
Right: 68.178+/-0.008 χ^2/NDF: 12985233.9/69

In: 56.804+/-0.007 χ^2/NDF:7818179.5/55

Out: 55.990+/-0.007 χ^2/NDF:9380991.2/61

All: 56.388+/-0.005 χ^2/NDF: 17206521.5/117


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: -575.890+/-160.917 χ²/NDF: 49.9/32
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 810.692+/-163.391 χ²/NDF: 58.4/36
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 106.823+/-114.650 χ²/NDF: 144.8/69
In: -74.293+/-74.390 χ²/NDF:86.2/55
Out: -155.604+/-73.334 χ²/NDF:167.6/61
All: -115.530+/-52.224 χ²/NDF: 254.4/117



Right In: 696.204+/-0.114 χ^2/NDF: 4339367.5/32

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

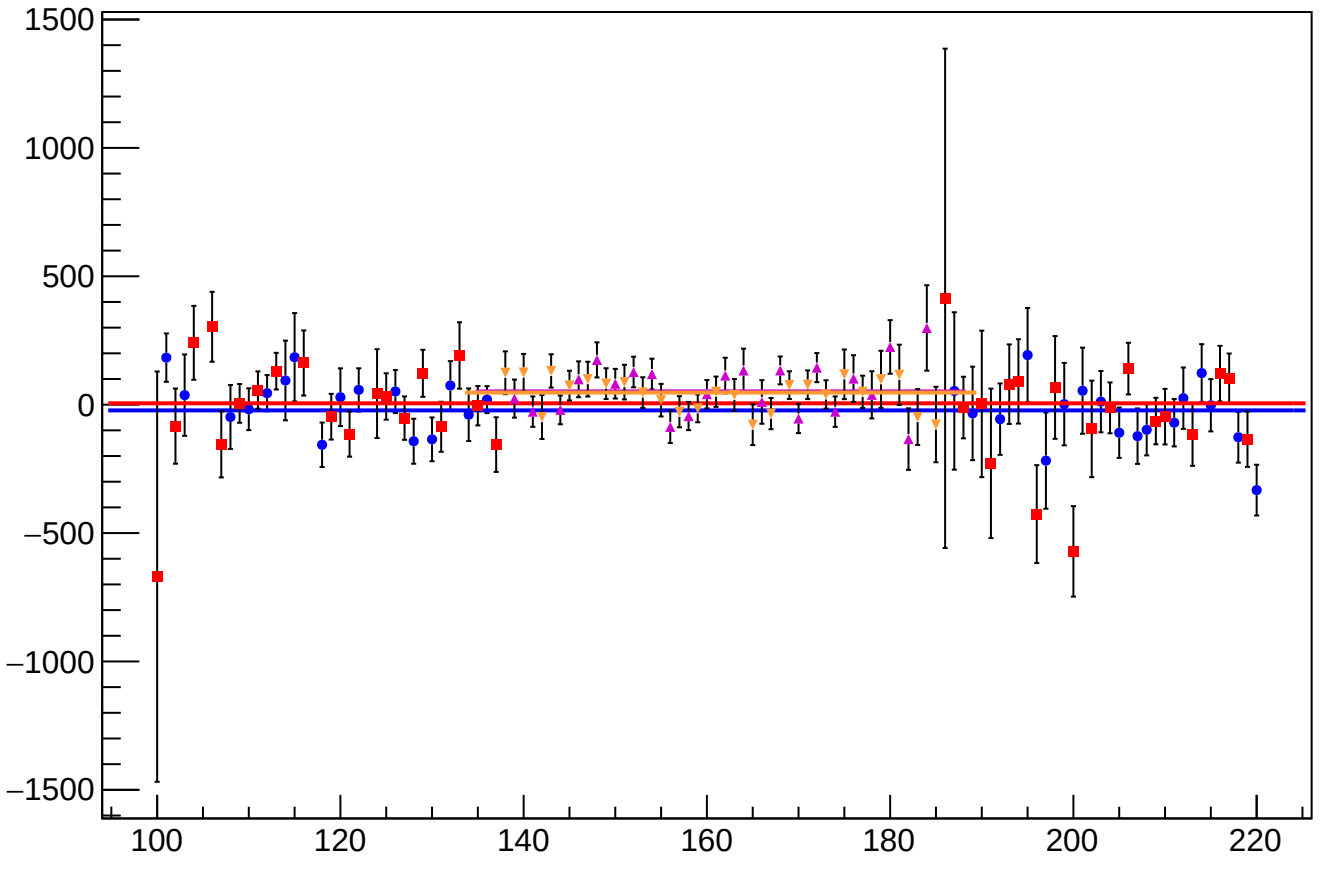
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 701.036+/-0.081 χ^2/NDF: 9667501.1/69

In: 426.432+/-0.053 χ^2/NDF:12492312.6/55

Out: 425.446+/-0.052 χ^2/NDF:13854947.9/61

All: 425.932+/-0.037 χ^2/NDF: 26347438.8/1



Right In: -22.264+/-17.868 χ^2/NDF: 35.7/32

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.347+/-18.362 χ^2/NDF: 49.9/36

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

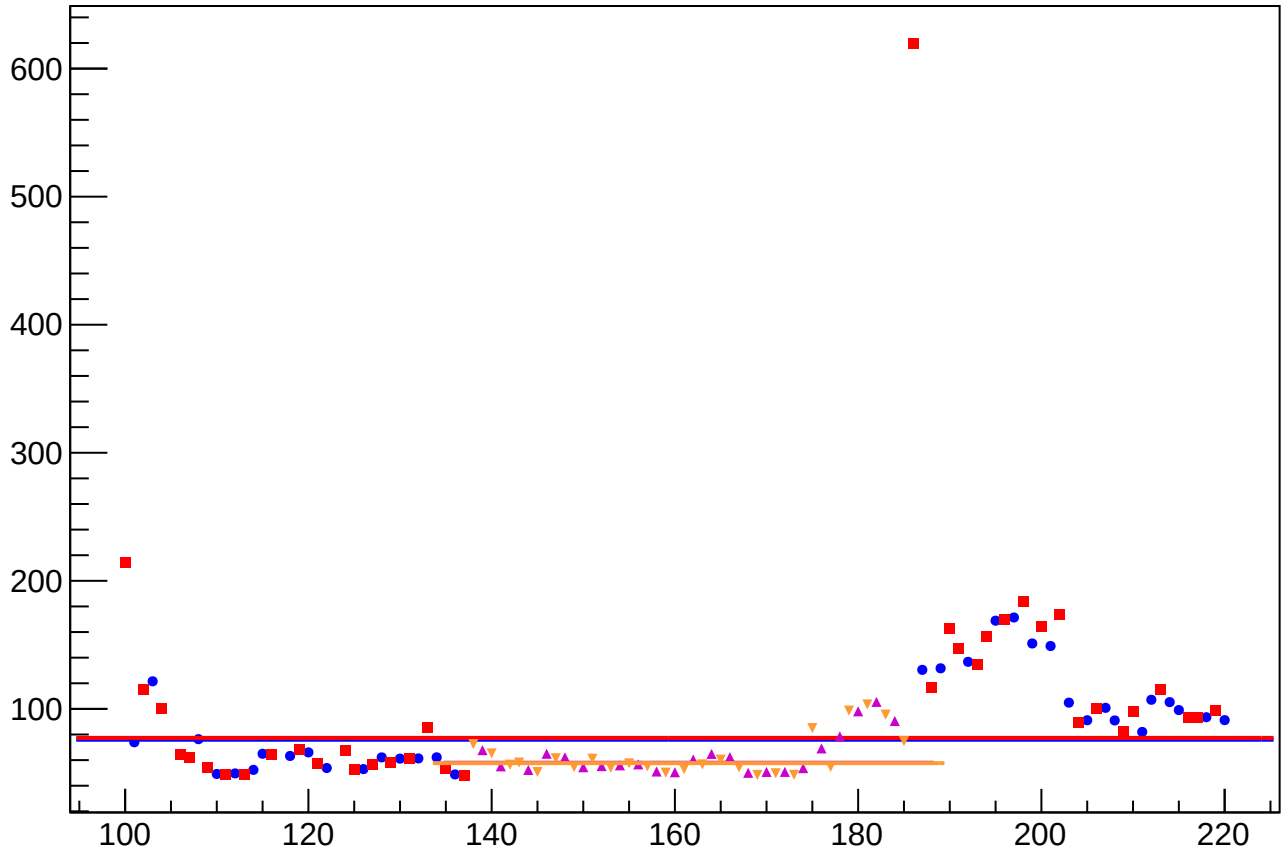
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -8.835+/-12.805 χ^2/NDF: 86.8/69

In: 23.700+/-10.988 χ^2/NDF:84.6/55

Out: 32.467+/-10.883 χ^2/NDF:70.2/61

All: 28.125+/-7.732 χ^2/NDF: 155.1/117



Right In: 75.907+/-0.013 χ^2/NDF: 5088751.3/32

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 77.355+/-0.013 χ^2/NDF: 6515171.2/36

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

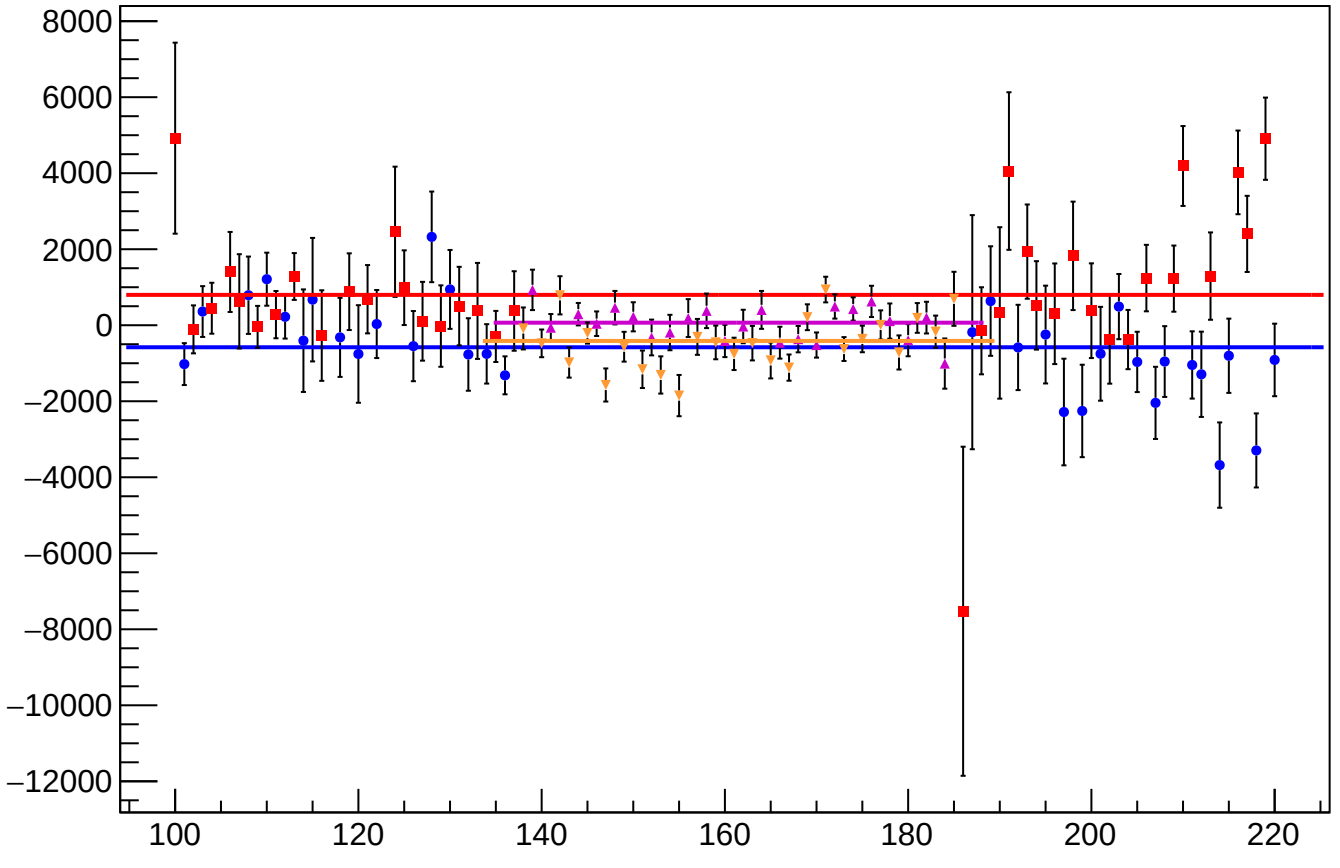
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 76.611+/-0.009 χ^2/NDF: 11610316.0/69

In: 64.734+/-0.008 χ^2/NDF:7470806.4/55

Out: 64.559+/-0.008 χ^2/NDF:9377824.3/61

All: 64.646+/-0.005 χ^2/NDF: 16848886.6/117



Right In: -579.529+/-158.212 χ^2/NDF: 49.3/32

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 798.519+/-159.231 χ^2/NDF: 63.3/36

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

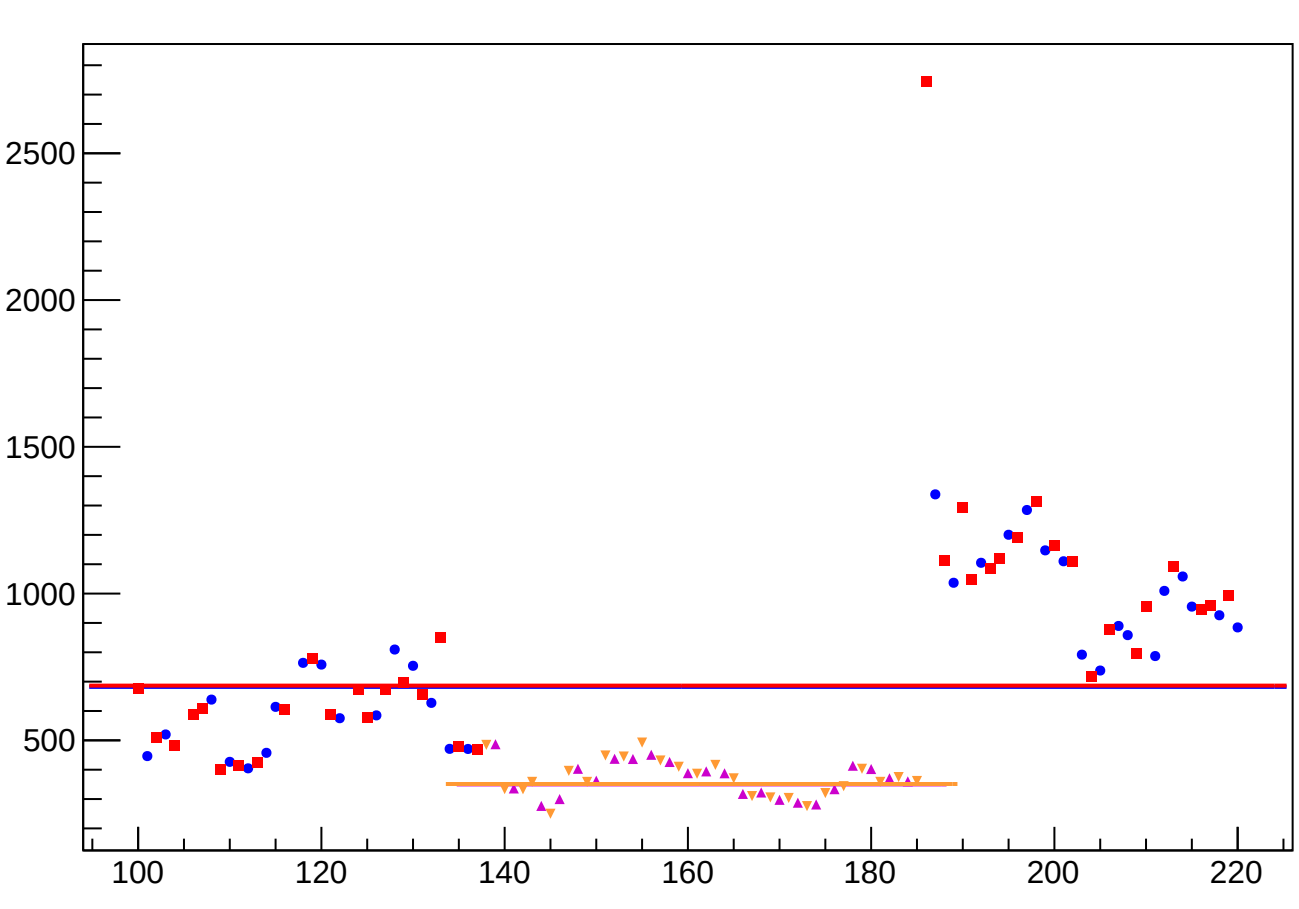
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 105.070+/-112.231 χ^2/NDF: 150.3/69

In: -73.035+/-73.556 χ^2/NDF:85.2/55

Out: -163.329+/-72.291 χ^2/NDF:170.6/61

All: -118.965+/-51.559 χ^2/NDF: 256.6/117



Right In: 682.112+/-0.112 χ^2/NDF: 4623725.1/32

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 686.431+/-0.113 χ^2/NDF: 5623784.7/36

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

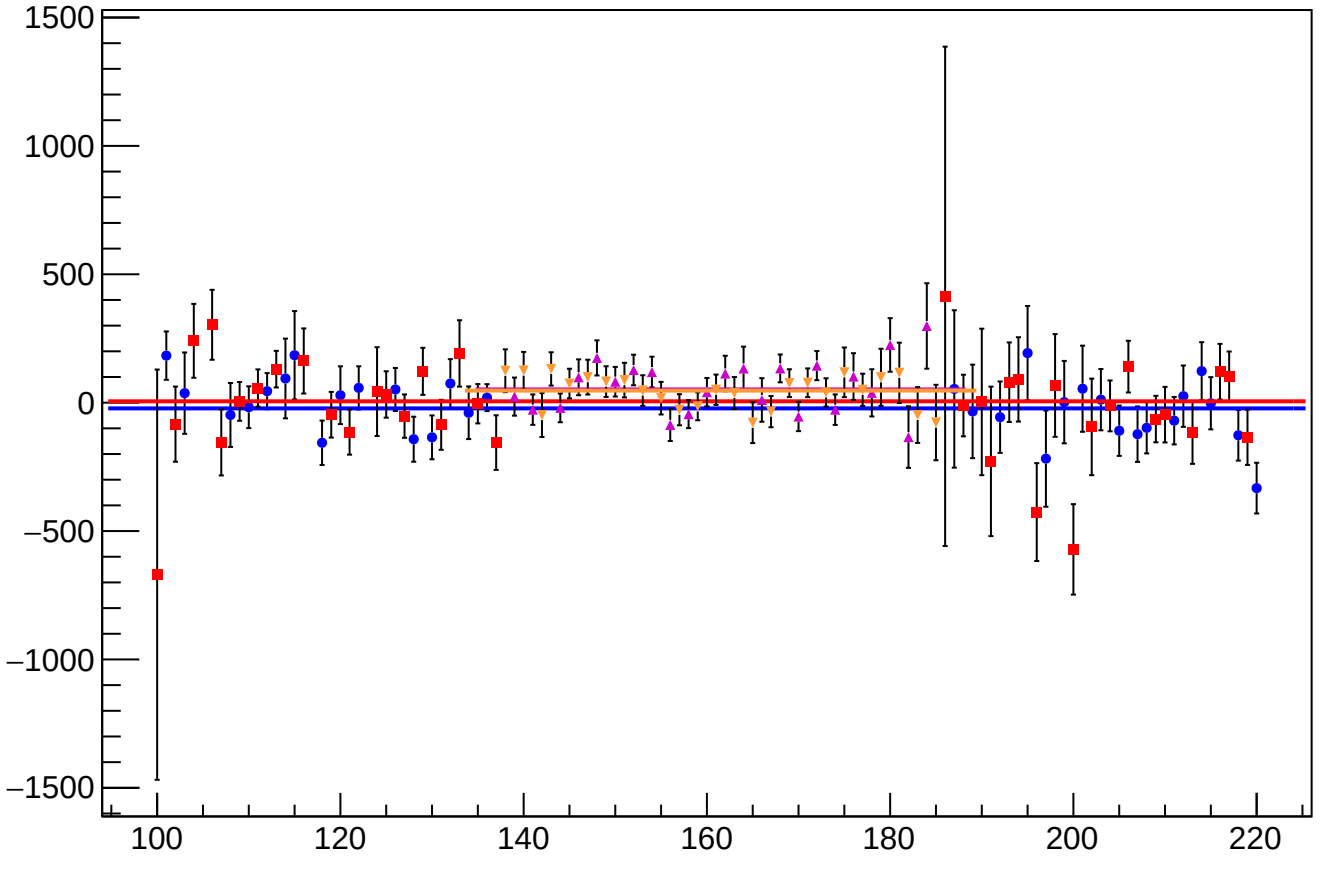
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 684.258+/-0.079 χ^2/NDF: 10248250.1/69

In: 421.641+/-0.052 χ^2/NDF:12529889.7/55

Out: 420.347+/-0.051 χ^2/NDF:13776877.3/61

All: 420.983+/-0.036 χ^2/NDF: 26307081.7/1



Right In: -22.264+/-17.868 χ^2/NDF: 35.7/32

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.346+/-18.362 χ^2/NDF: 49.9/36

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

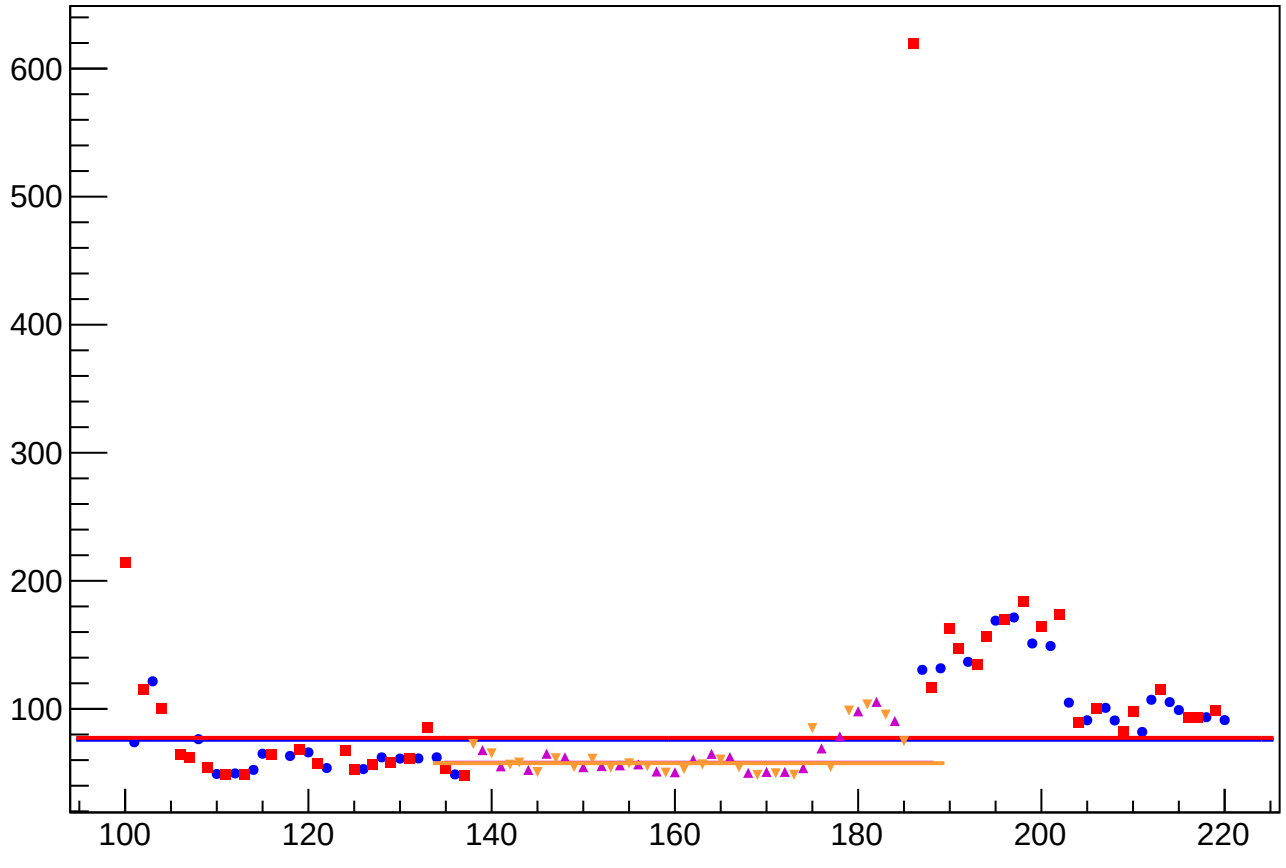
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -8.836+/-12.805 χ^2/NDF: 86.8/69

In: 23.700+/-10.988 χ^2/NDF:84.6/55

Out: 32.466+/-10.883 χ^2/NDF:70.2/61

All: 28.125+/-7.732 χ^2/NDF: 155.1/117



Right In: 75.907+/-0.013 χ^2/NDF: 5088720.8/32

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 77.356+/-0.013 χ^2/NDF: 6515147.0/36

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

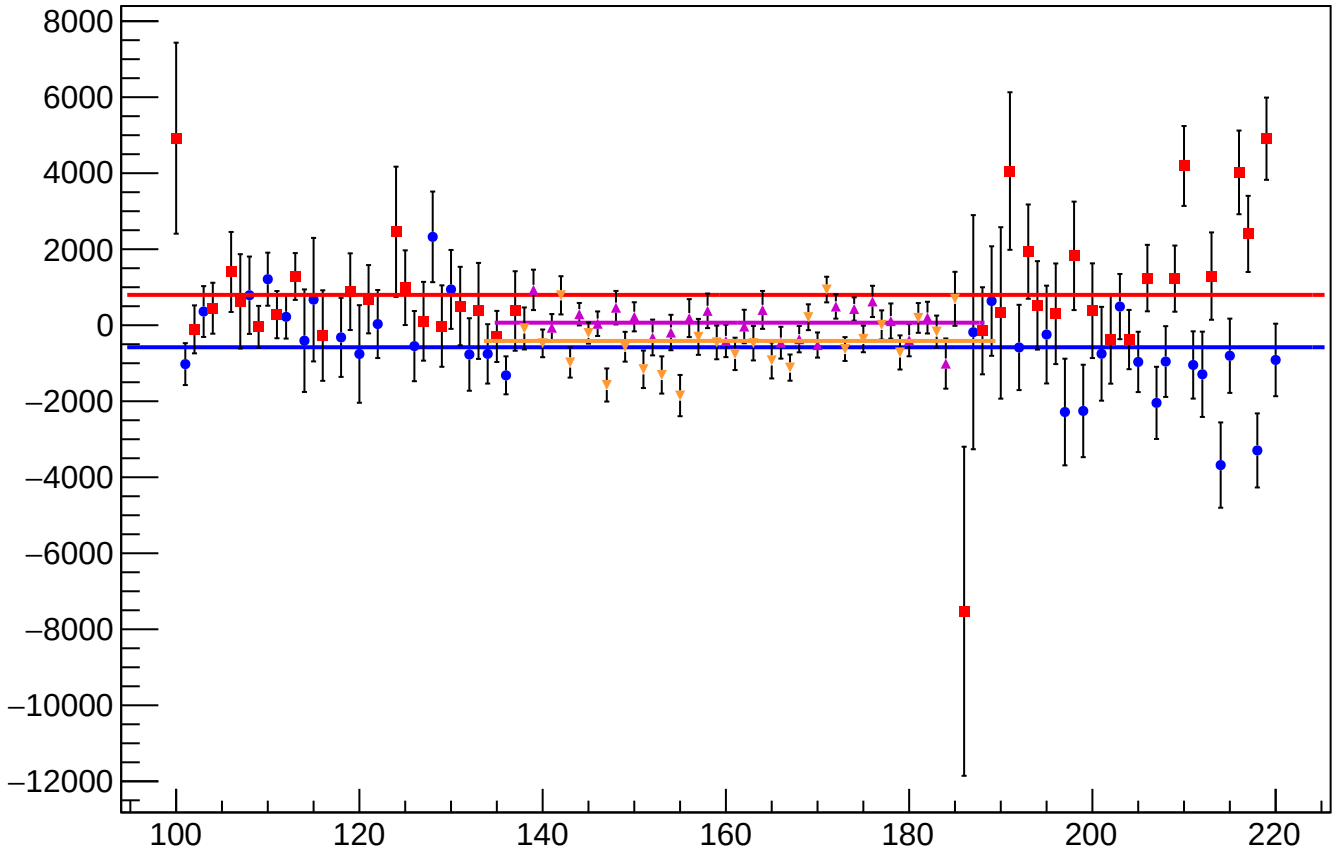
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 76.612+/-0.009 χ^2/NDF: 11610261.5/69

In: 64.734+/-0.008 χ^2/NDF:7470753.2/55

Out: 64.560+/-0.008 χ^2/NDF:9377792.2/61

All: 64.646+/-0.005 χ^2/NDF: 16848801.3/117



Right In: -579.528+/-158.211 χ^2/NDF: 49.3/32

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 798.517+/-159.231 χ^2/NDF: 63.3/36

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

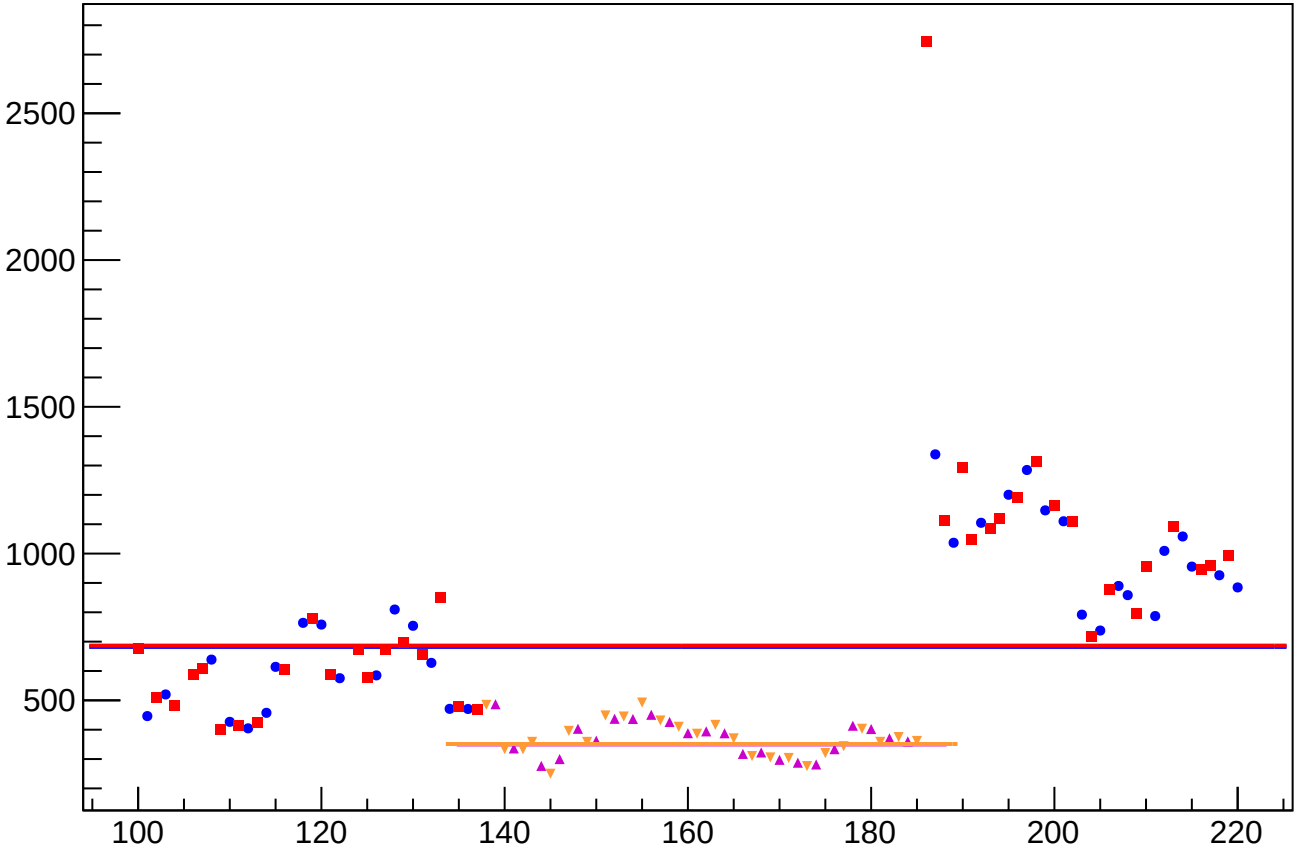
Right: 105.070+/-112.231 χ^2/NDF: 150.3/69

In: -73.035+/-73.556 χ^2/NDF:85.2/55

Out: -163.329+/-72.291 χ^2/NDF:170.6/61

All: -118.966+/-51.559 χ^2/NDF: 256.6/117

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 682.111+/-0.112 χ^2/NDF: 4623739.4/32

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 686.430+/-0.113 χ^2/NDF: 5623794.2/36

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

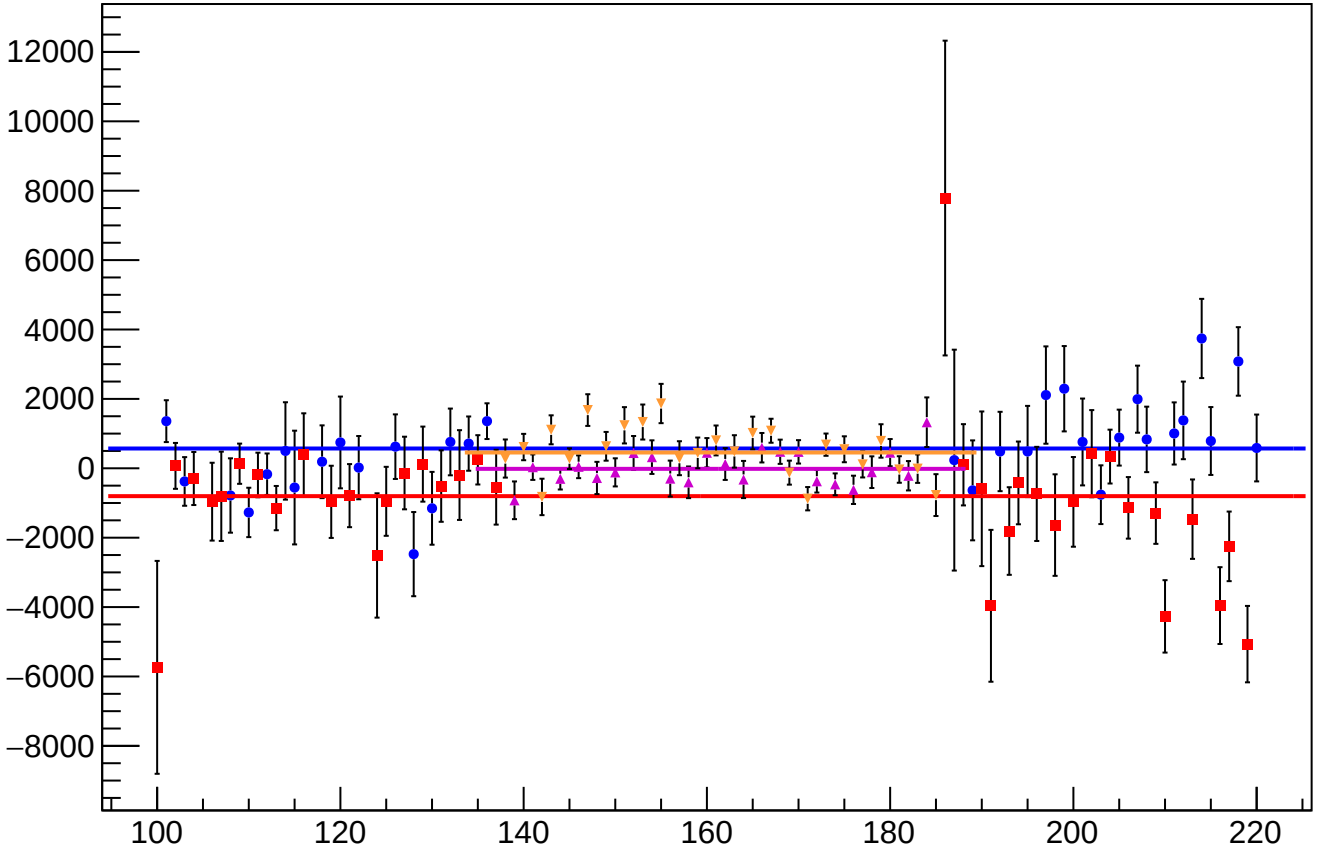
Right: 684.257+/-0.079 χ^2/NDF: 10248273.9/69

In: 421.641+/-0.052 χ^2/NDF:12529875.6/55

Out: 420.347+/-0.051 χ^2/NDF:13776866.2/61

All: 420.983+/-0.036 χ^2/NDF: 26307056.5/1

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 570.343+/-162.117 χ^2/NDF: 49.5/32

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -802.717+/-164.522 χ^2/NDF: 61.7/36

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

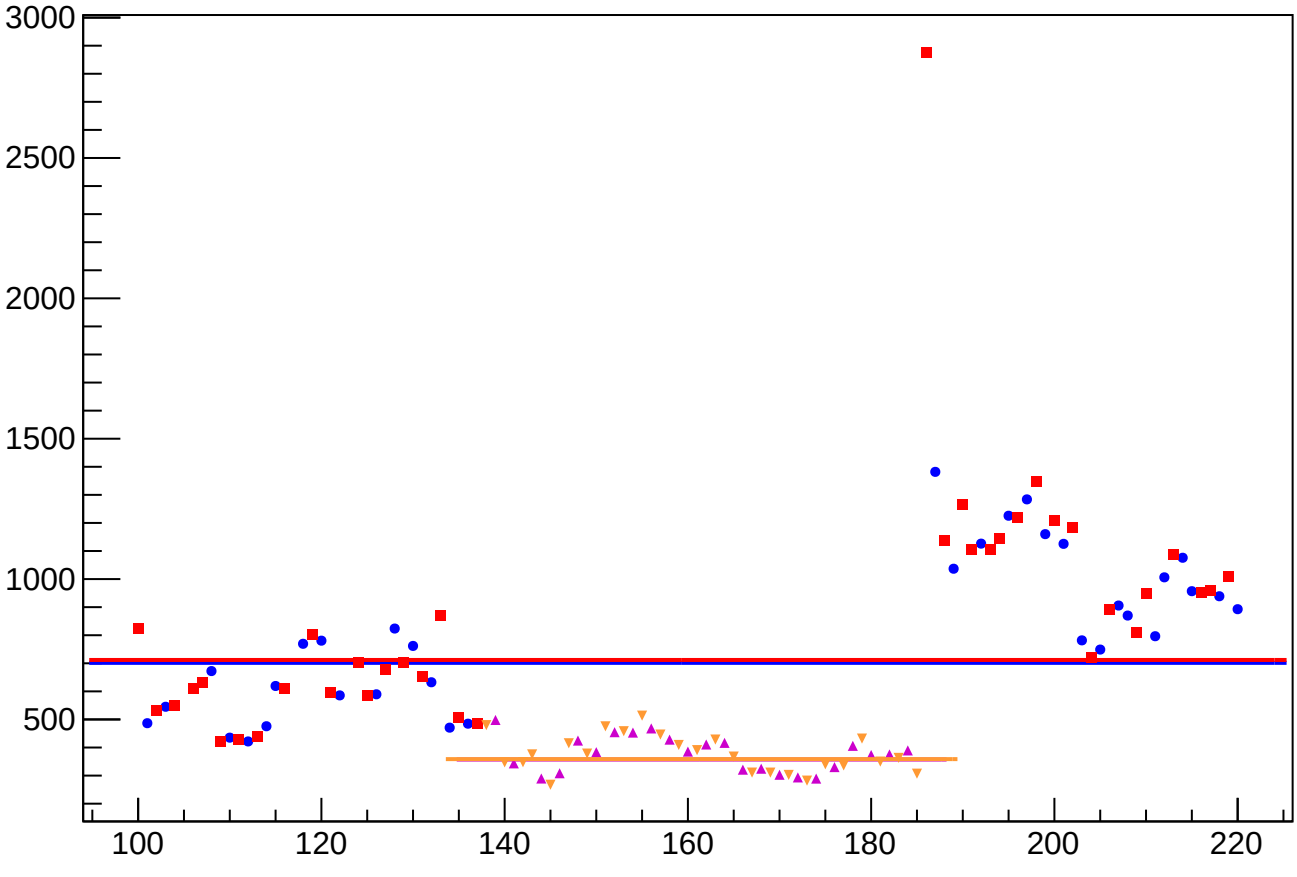
Right: -106.075+/-115.475 χ^2/NDF: 146.5/69

In: 109.979+/-75.162 χ^2/NDF:84.7/55

Out: 200.219+/-74.076 χ^2/NDF:169.1/61

All: 155.756+/-52.759 χ^2/NDF: 254.5/117

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 701.611+/-0.115 χ^2/NDF: 4313644.6/32

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 711.886+/-0.116 χ^2/NDF: 5300301.4/36

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

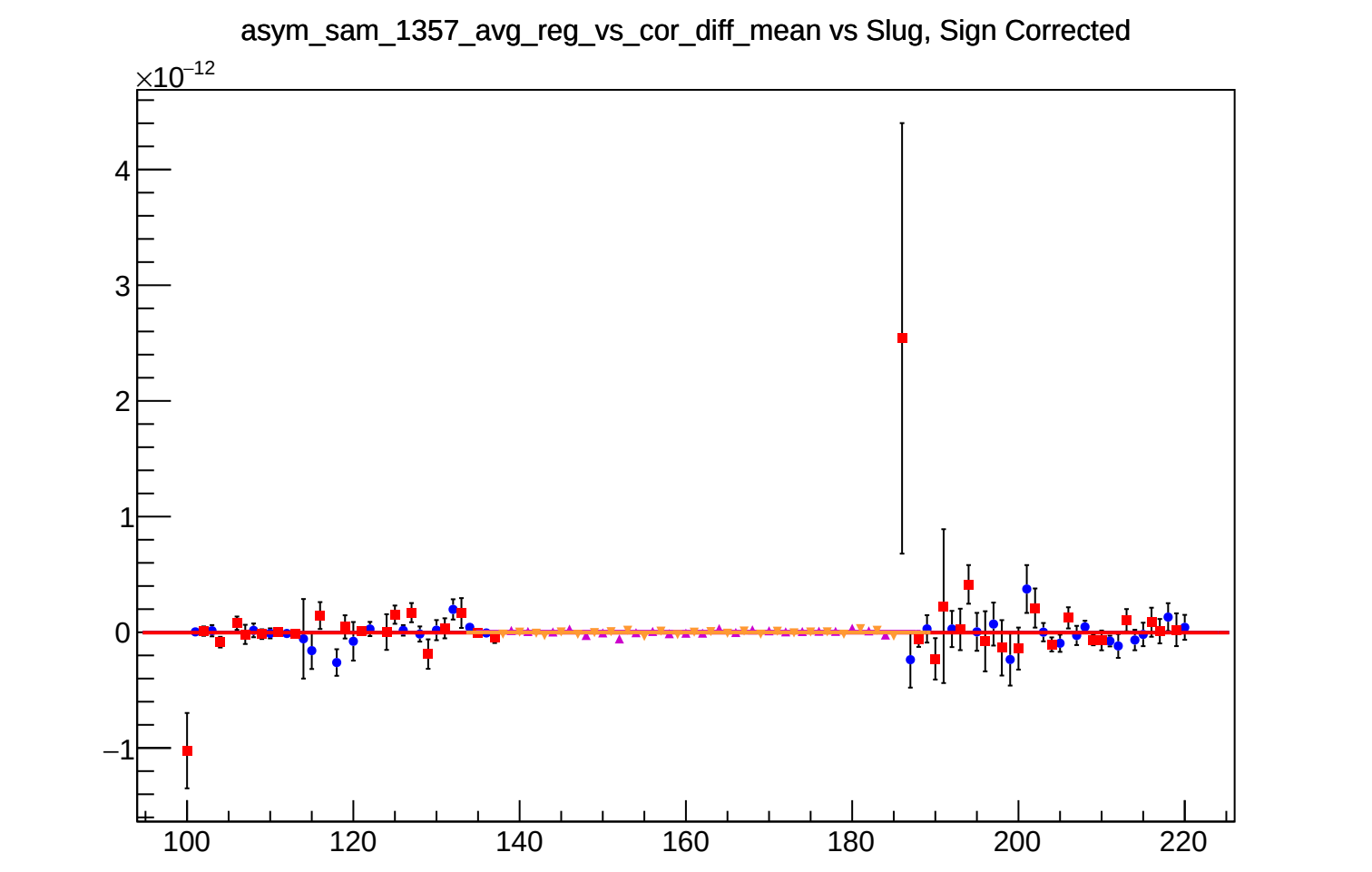
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 706.673+/-0.082 χ^2/NDF: 9617903.6/69

In: 431.218+/-0.053 χ^2/NDF:12382410.5/55

Out: 430.280+/-0.052 χ^2/NDF:13769263.9/61

All: 430.743+/-0.037 χ^2/NDF: 26151832.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

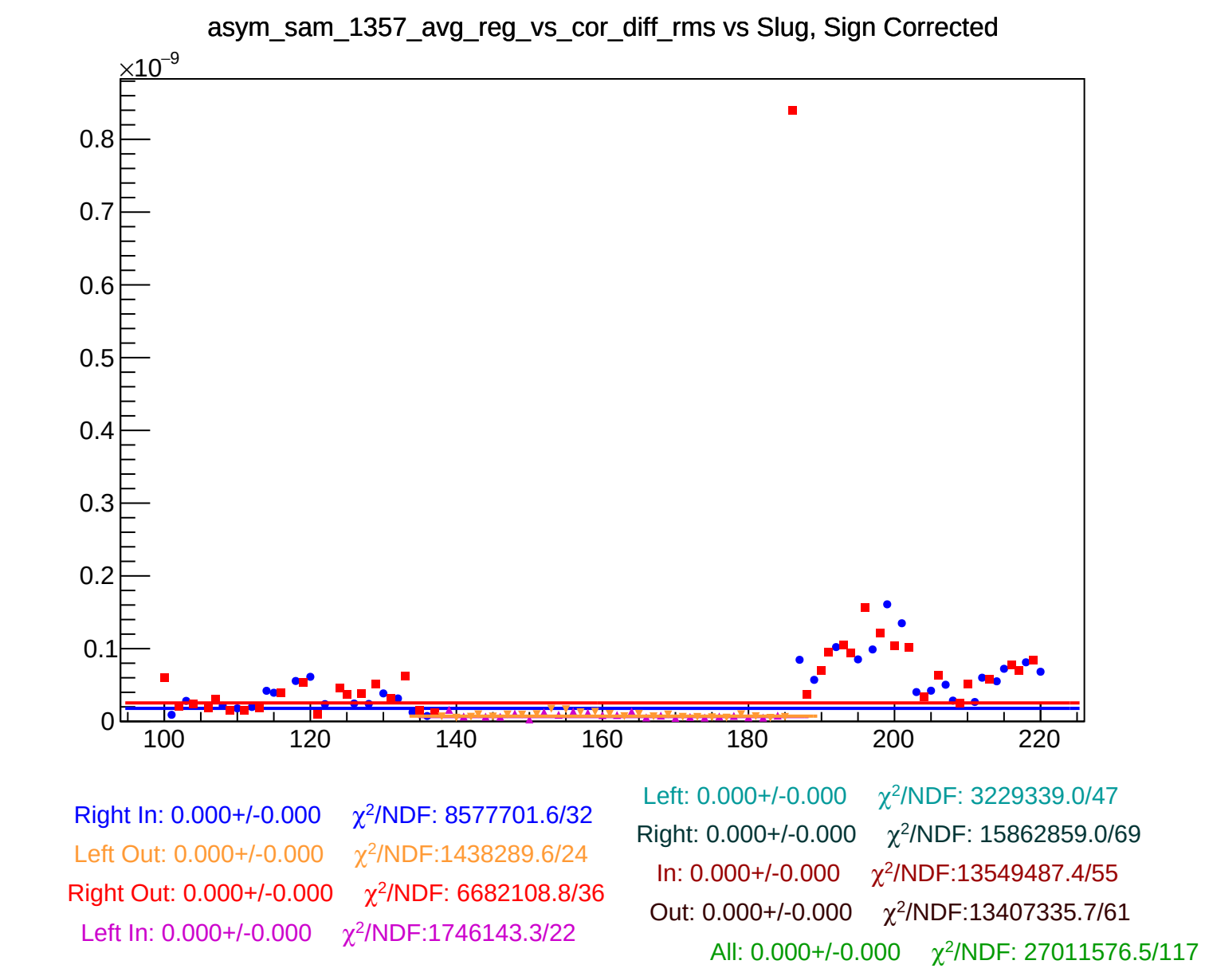
Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 80.4/69

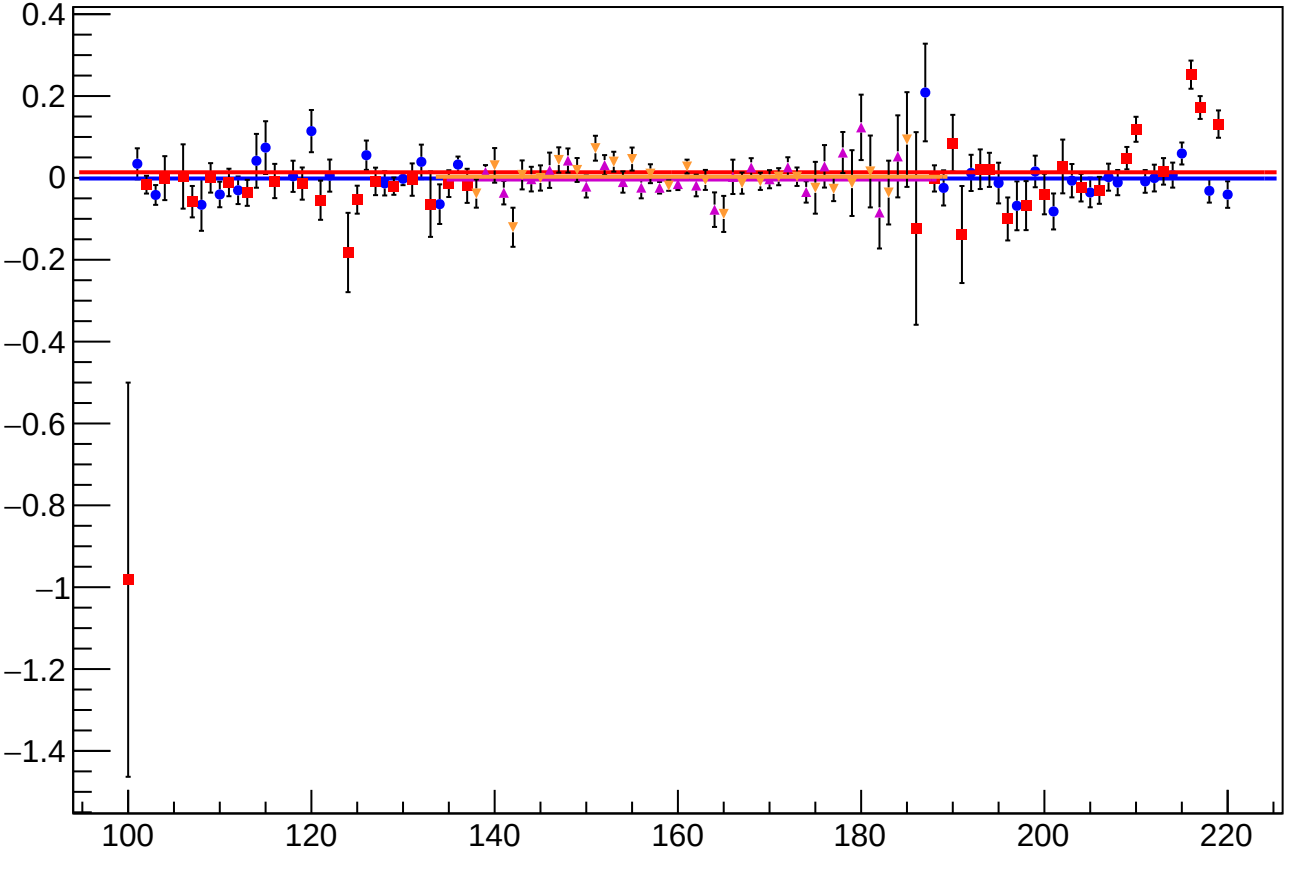
In: 0.000+/-0.000 χ^2/NDF:56.8/55

Out: -0.000+/-0.000 χ^2/NDF:71.0/61

All: 0.000+/-0.000 χ^2/NDF: 130.1/117


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8577701.6/32
Left Out: 0.000+/-0.000 χ²/NDF:1438289.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6682108.8/36
Left In: 0.000+/-0.000 χ²/NDF:1746143.3/22
Left: 0.000+/-0.000 χ²/NDF: 3229339.0/47
Right: 0.000+/-0.000 χ²/NDF: 15862859.0/69
In: 0.000+/-0.000 χ²/NDF:13549487.4/55
Out: 0.000+/-0.000 χ²/NDF:13407335.7/61
All: 0.000+/-0.000 χ²/NDF: 27011576.5/117

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 39.5/32

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

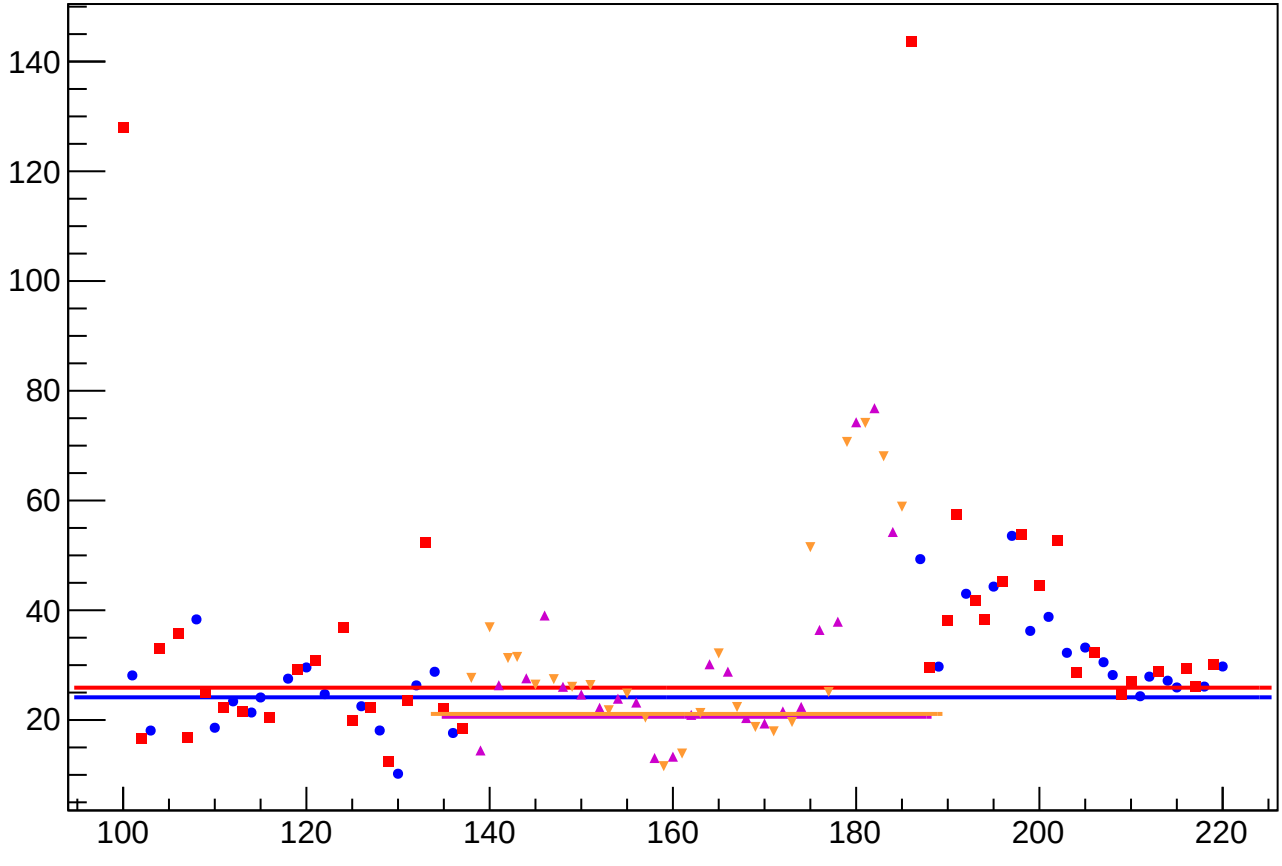
Right: 0.006+/-0.004 χ^2/NDF: 192.1/69

In: -0.003+/-0.004 χ^2/NDF:64.2/55

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.002+/-0.003 χ^2/NDF: 251.4/117

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.136+/-0.004 χ^2/NDF: 4447464.8/32

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

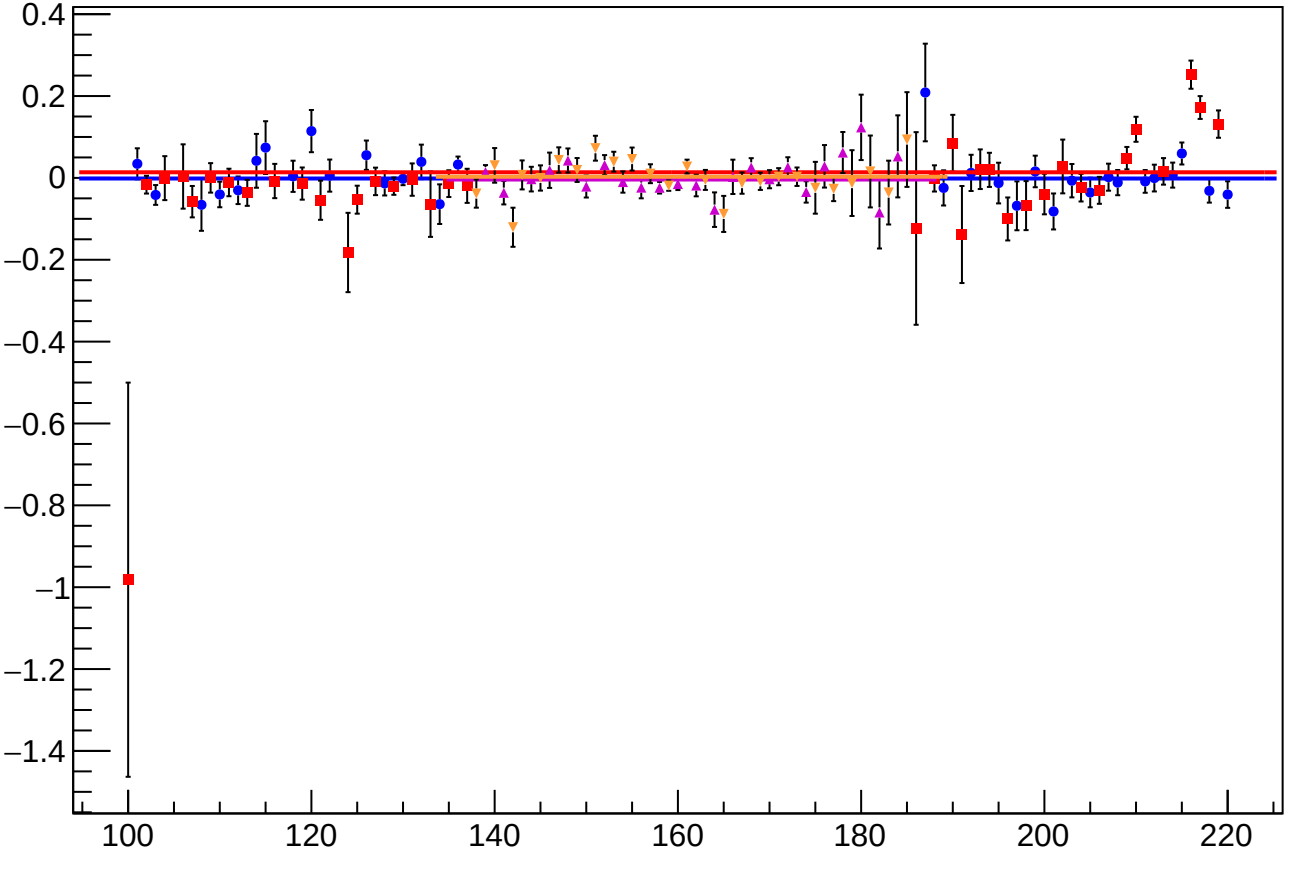
Right: 24.953+/-0.003 χ^2/NDF: 9158506.2/69

In: 22.245+/-0.003 χ^2/NDF:9443736.9/55

Out: 23.183+/-0.003 χ^2/NDF:10840052.4/61

All: 22.698+/-0.002 χ^2/NDF: 20337798.8/117

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 39.5/32

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

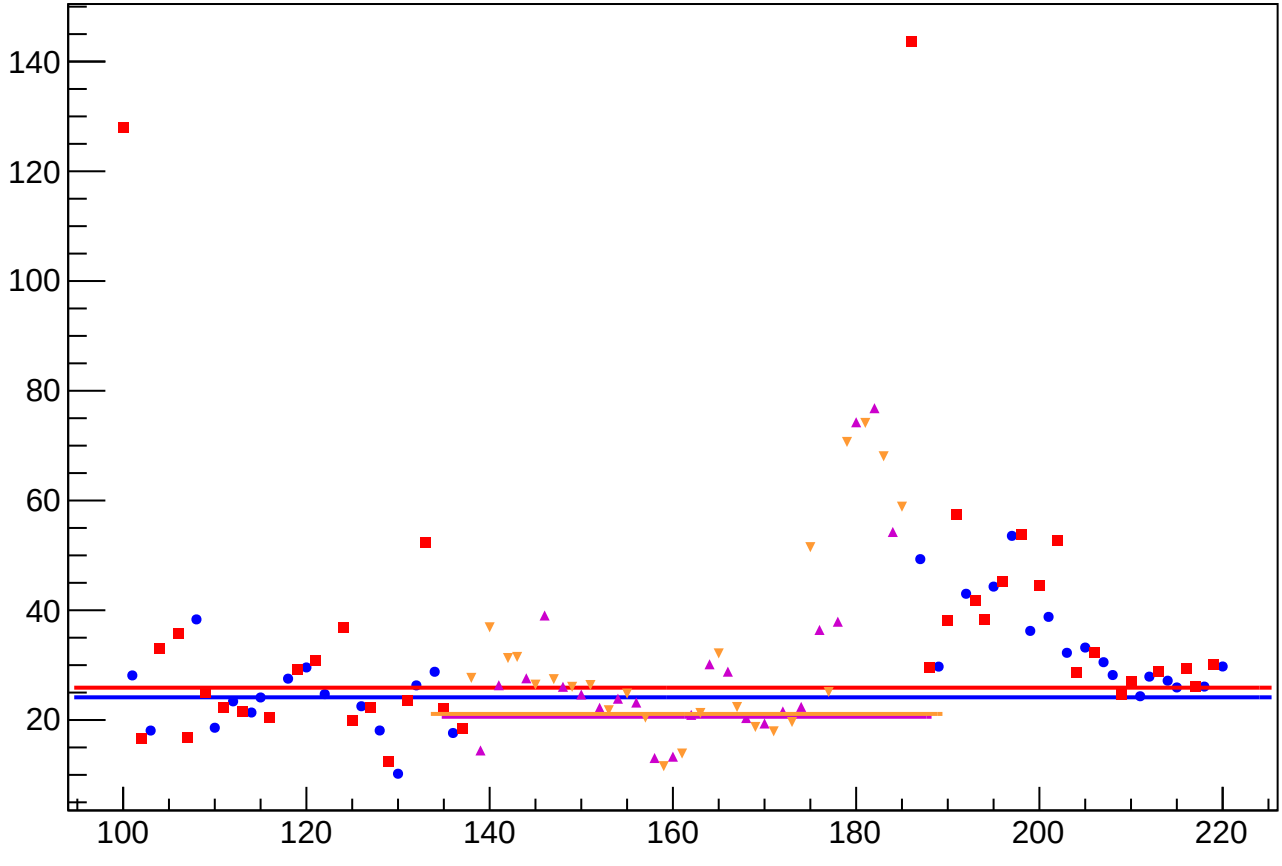
Right: 0.006+/-0.004 χ^2/NDF: 192.1/69

In: -0.003+/-0.004 χ^2/NDF:64.2/55

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.002+/-0.003 χ^2/NDF: 251.4/117

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.136+/-0.004 χ^2/NDF: 4447464.8/32

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

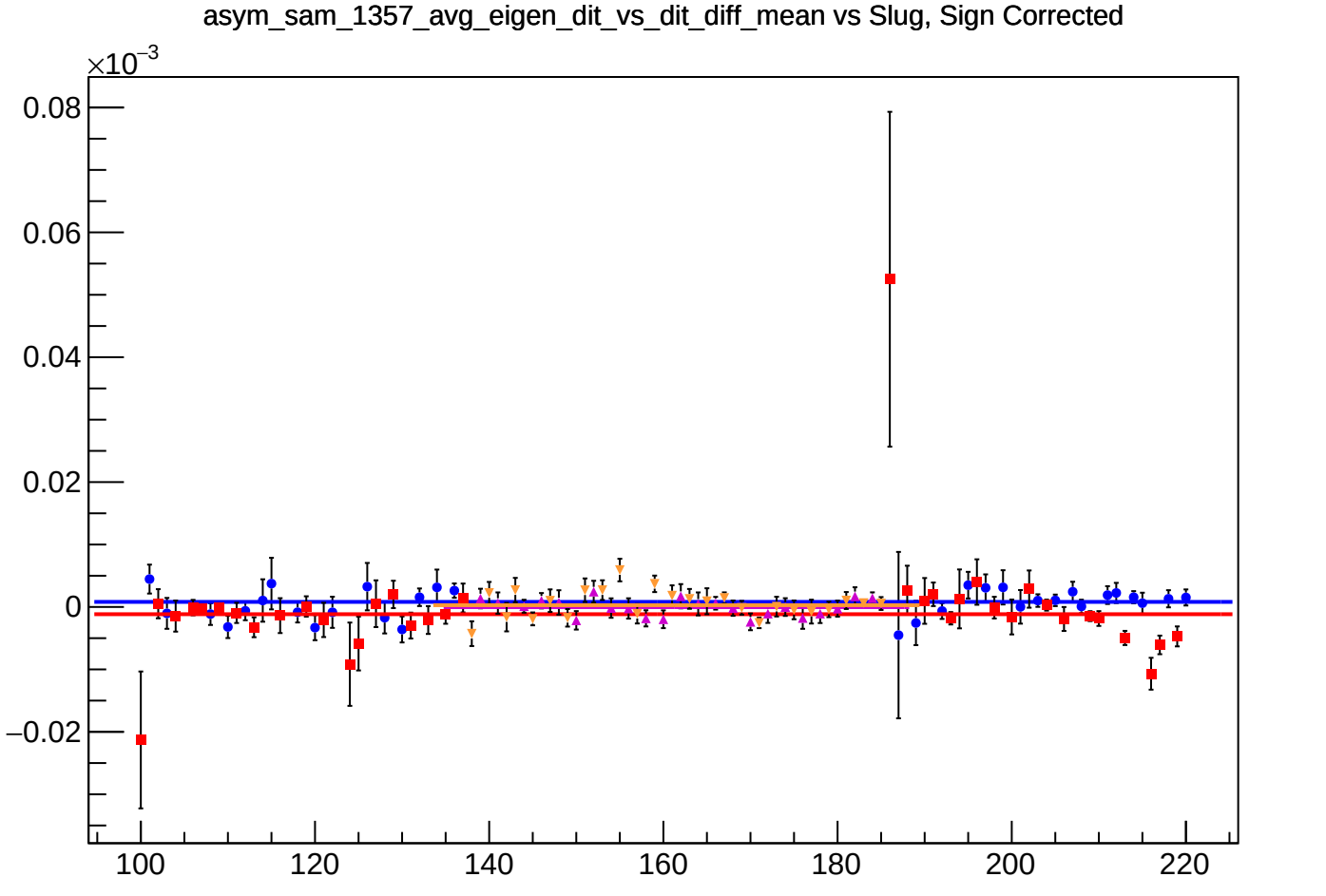
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

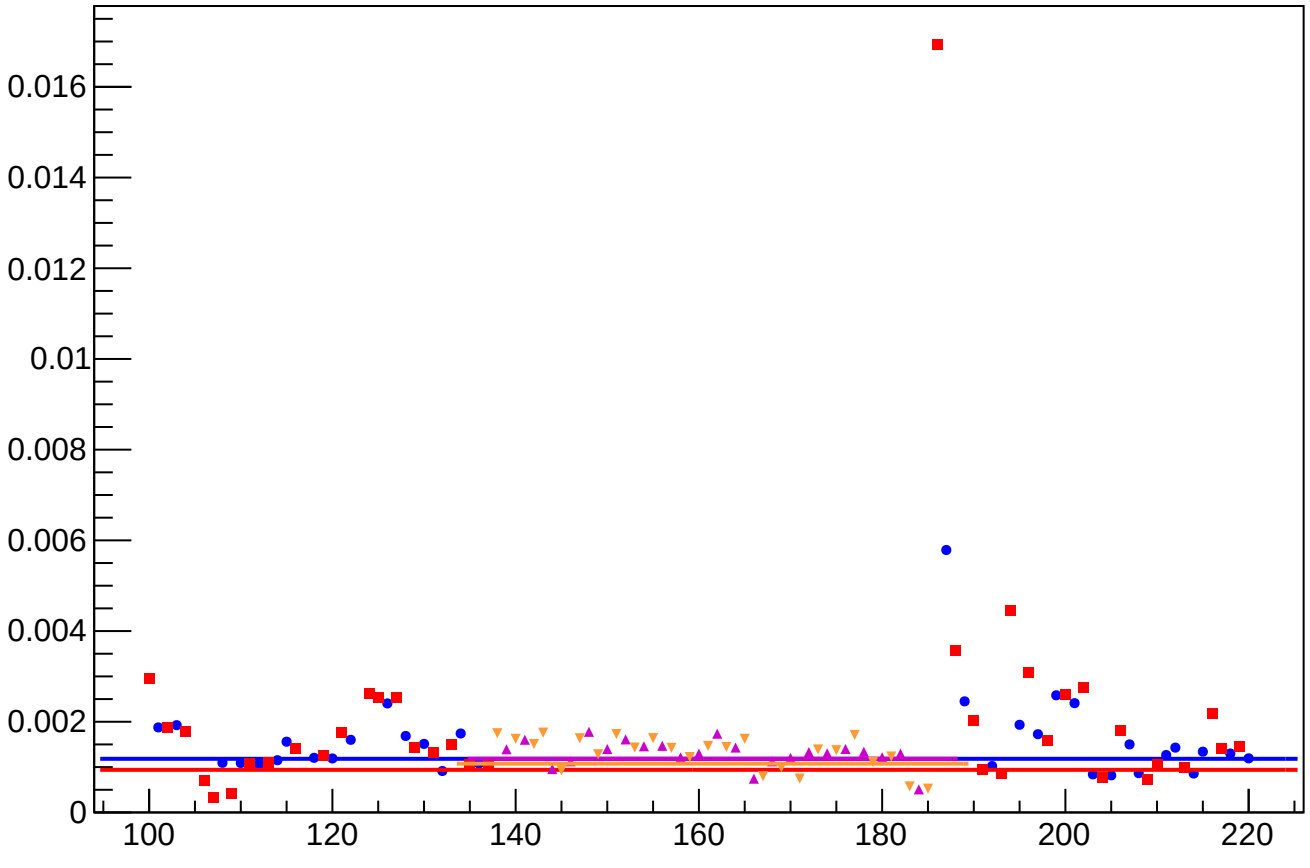
Right: 24.953+/-0.003 χ^2/NDF: 9158506.2/69

In: 22.245+/-0.003 χ^2/NDF:9443736.9/55

Out: 23.183+/-0.003 χ^2/NDF:10840052.4/61

All: 22.698+/-0.002 χ^2/NDF: 20337798.8/117


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 35.6/32
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 76.5/36
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 139.7/69
In: 0.000+/-0.000 χ²/NDF:59.7/55
Out: -0.000+/-0.000 χ²/NDF:145.2/61
All: -0.000+/-0.000 χ²/NDF: 215.6/117



Right In: 0.001+/-0.000 χ^2/NDF: 3896277.6/32

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12112880.5/36

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

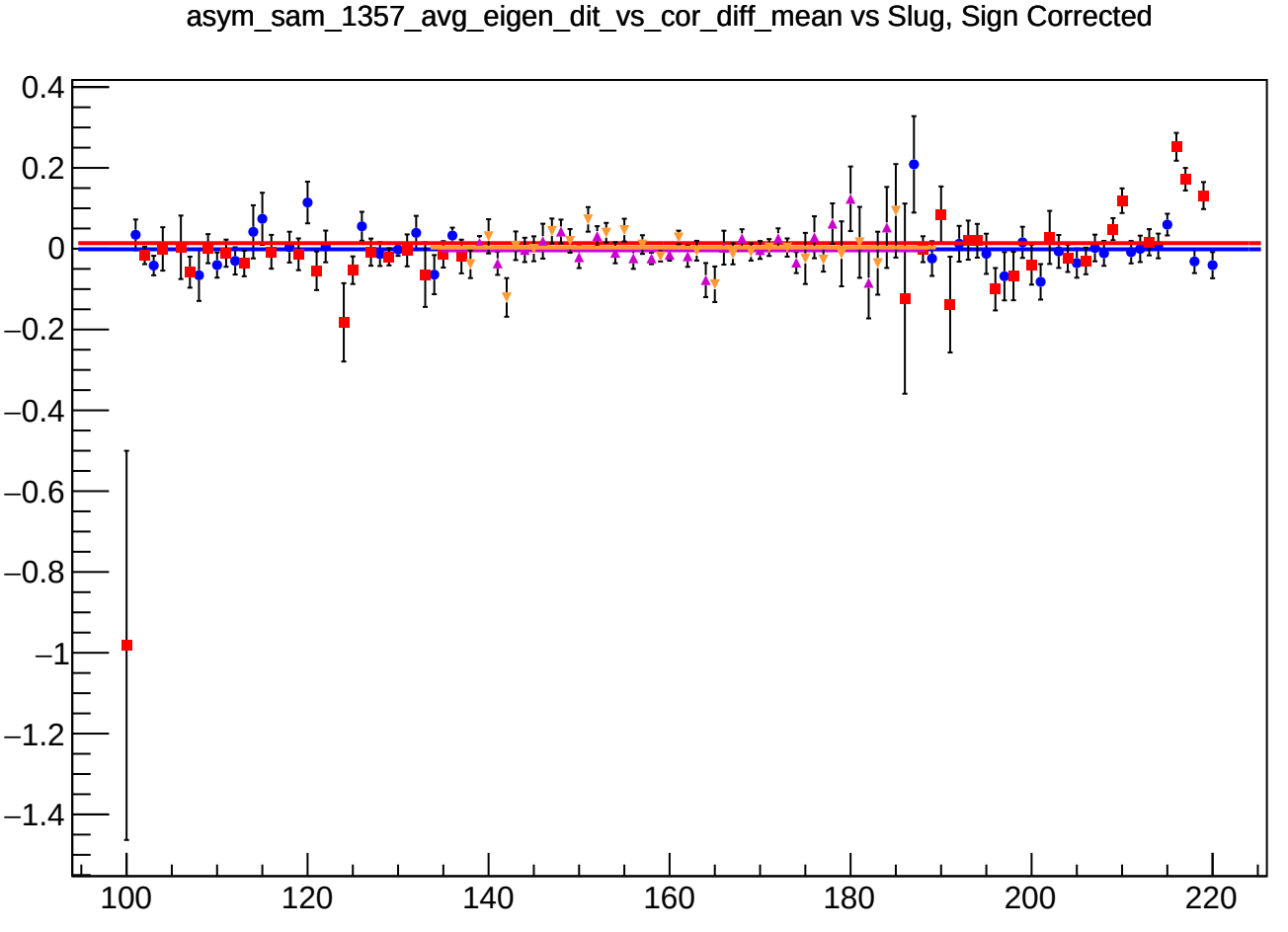
Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

Right: 0.001+/-0.000 χ^2/NDF: 16846374.0/69

In: 0.001+/-0.000 χ^2/NDF:6352847.4/55

Out: 0.001+/-0.000 χ^2/NDF:16945540.1/61

All: 0.001+/-0.000 χ^2/NDF: 24182961.4/117



Right In: -0.002+/-0.006 χ^2/NDF: 39.5/32

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

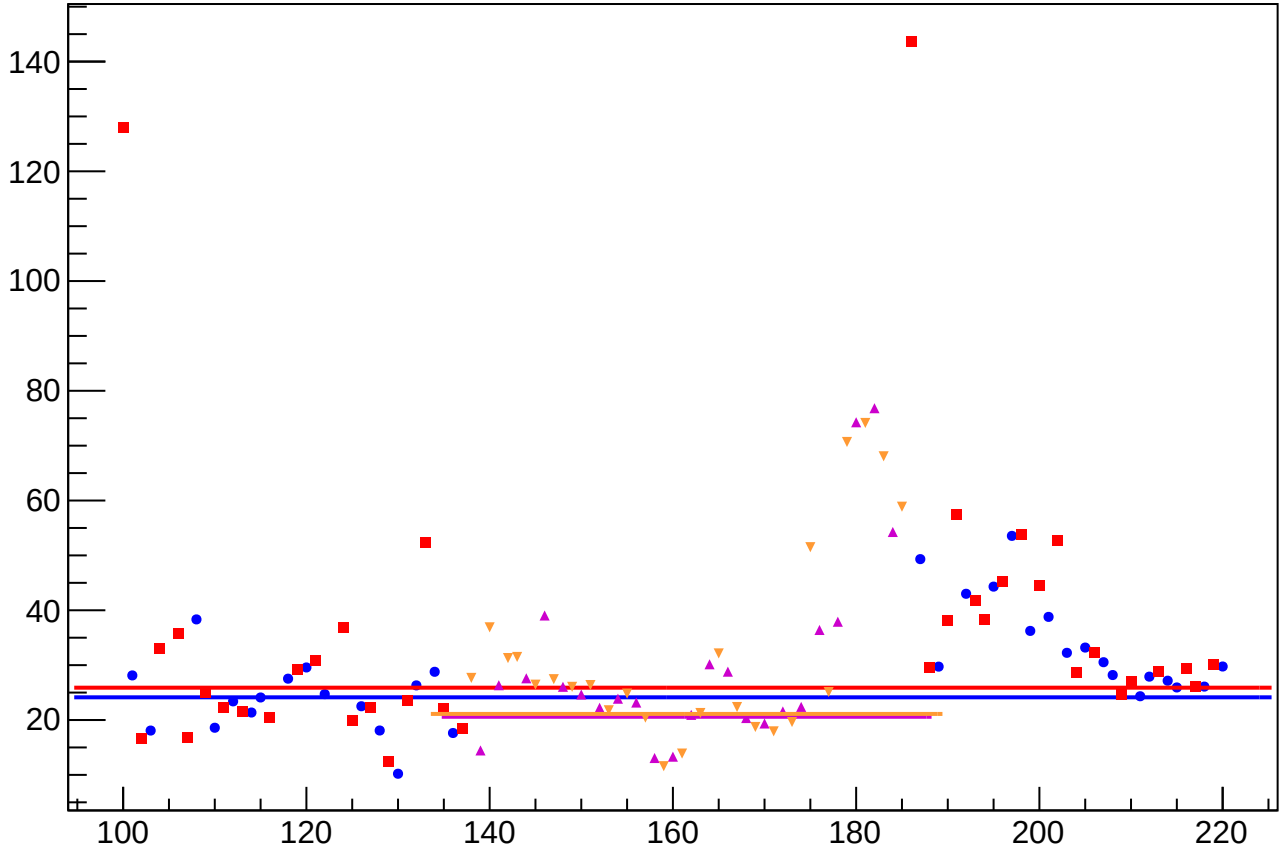
Right: 0.006+/-0.004 χ^2/NDF: 192.1/69

In: -0.003+/-0.004 χ^2/NDF:64.2/55

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.002+/-0.003 χ^2/NDF: 251.4/117

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.136+/-0.004 χ^2/NDF: 4447145.9/32

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

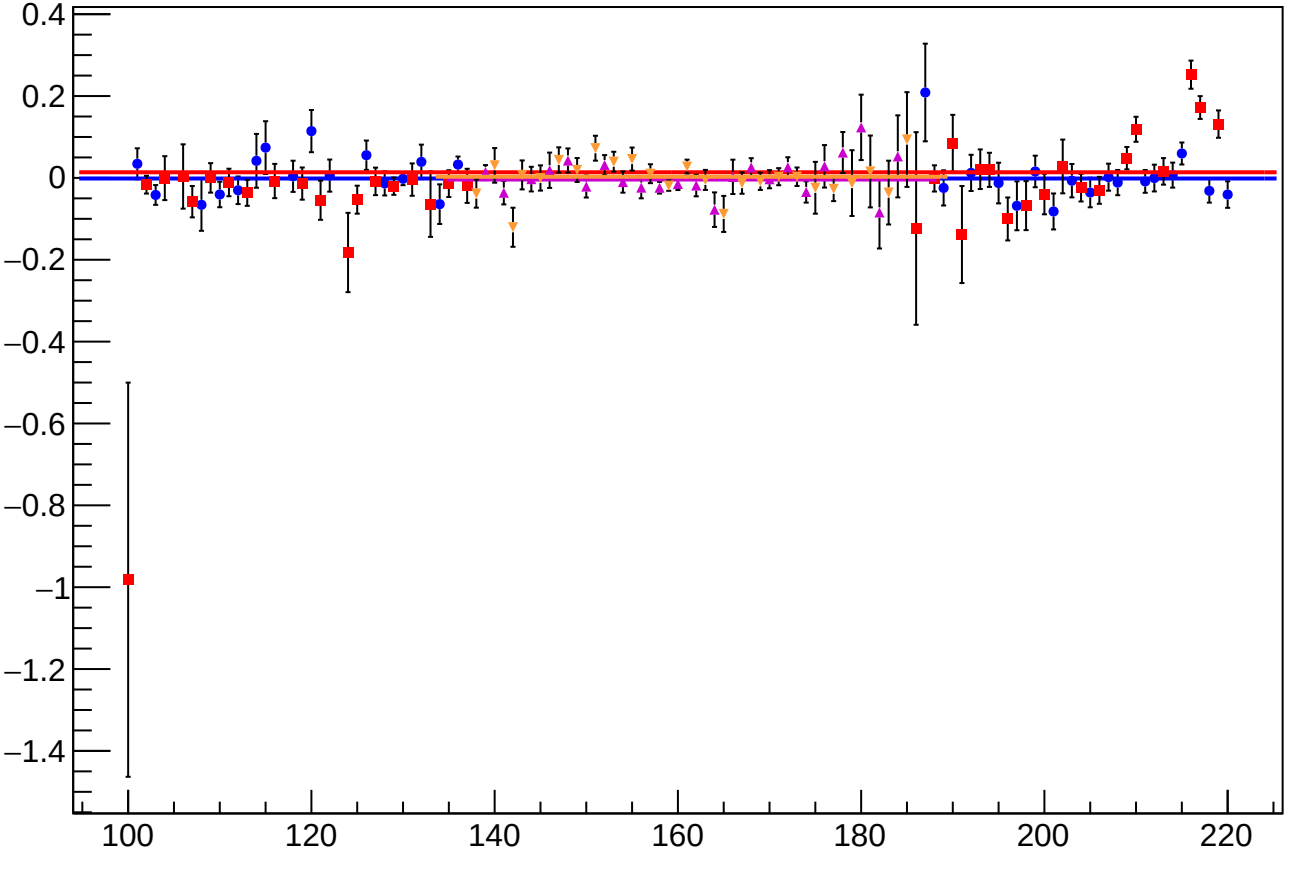
Right: 24.953+/-0.003 χ^2/NDF: 9158117.9/69

In: 22.245+/-0.003 χ^2/NDF:9443434.1/55

Out: 23.183+/-0.003 χ^2/NDF:10840144.5/61

All: 22.699+/-0.002 χ^2/NDF: 20337564.0/117

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 39.5/32

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

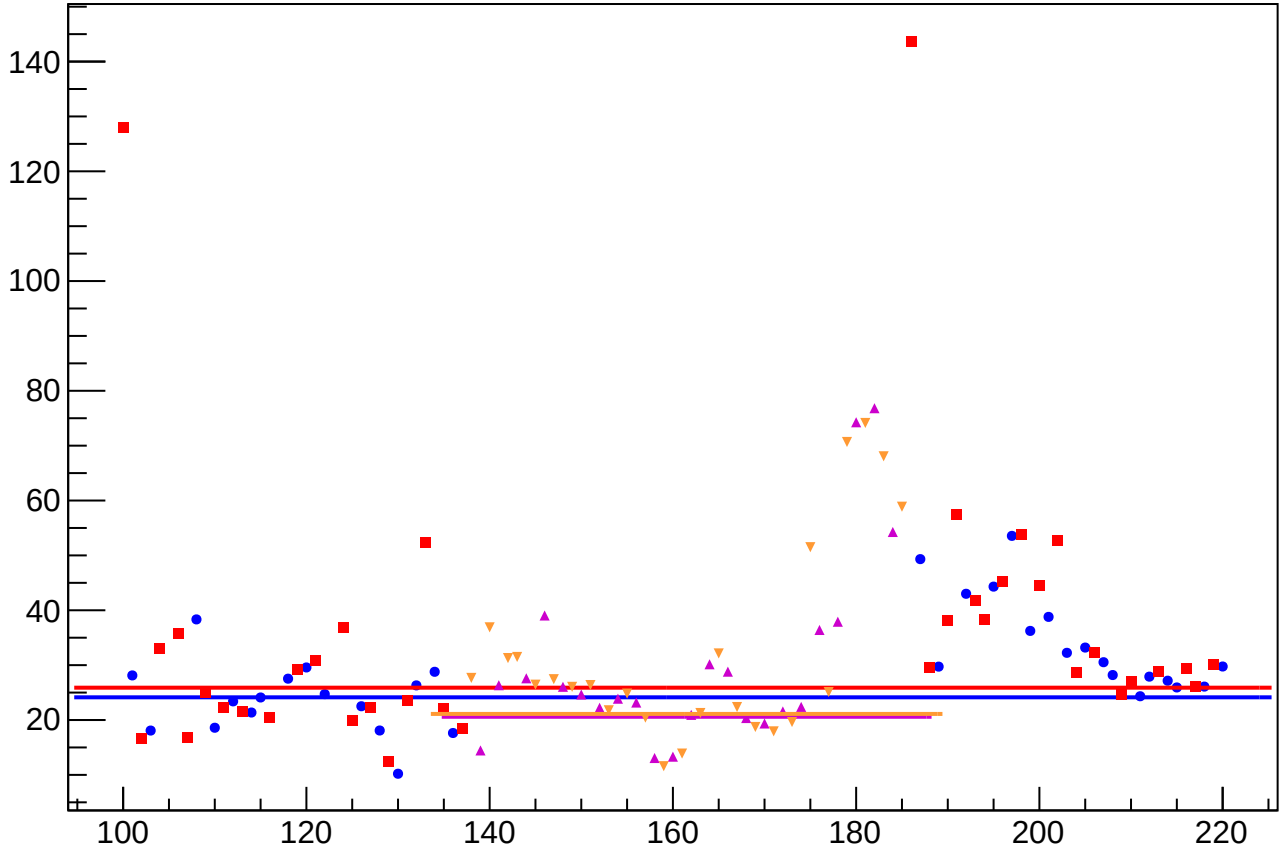
Right: 0.006+/-0.004 χ^2/NDF: 192.1/69

In: -0.003+/-0.004 χ^2/NDF:64.2/55

Out: 0.008+/-0.004 χ^2/NDF:184.0/61

All: 0.002+/-0.003 χ^2/NDF: 251.4/117

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.136+/-0.004 χ^2/NDF: 4447145.9/32

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

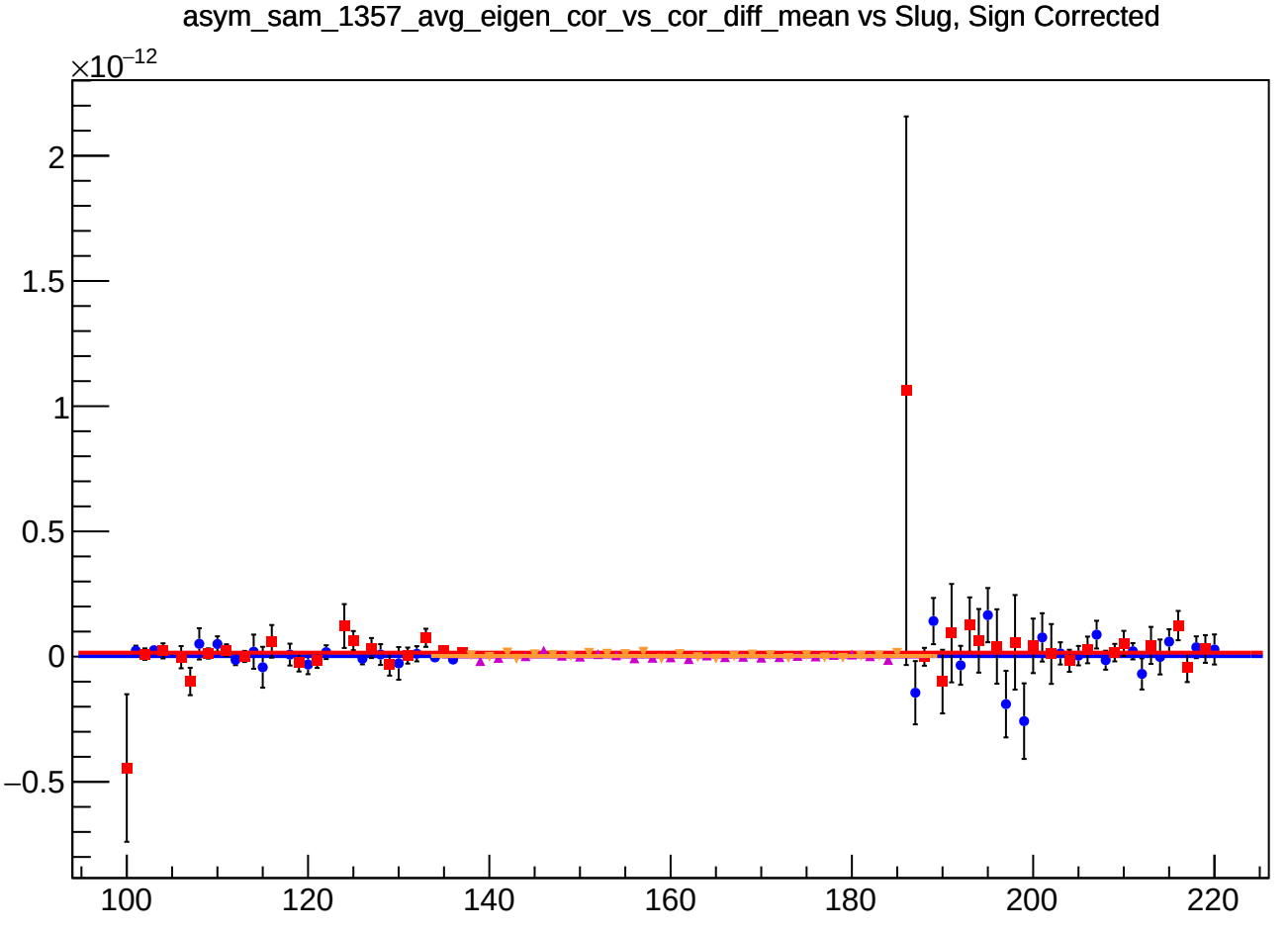
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.953+/-0.003 χ^2/NDF: 9158117.9/69

In: 22.245+/-0.003 χ^2/NDF:9443434.1/55

Out: 23.183+/-0.003 χ^2/NDF:10840144.5/61

All: 22.699+/-0.002 χ^2/NDF: 20337564.0/117



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/36

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

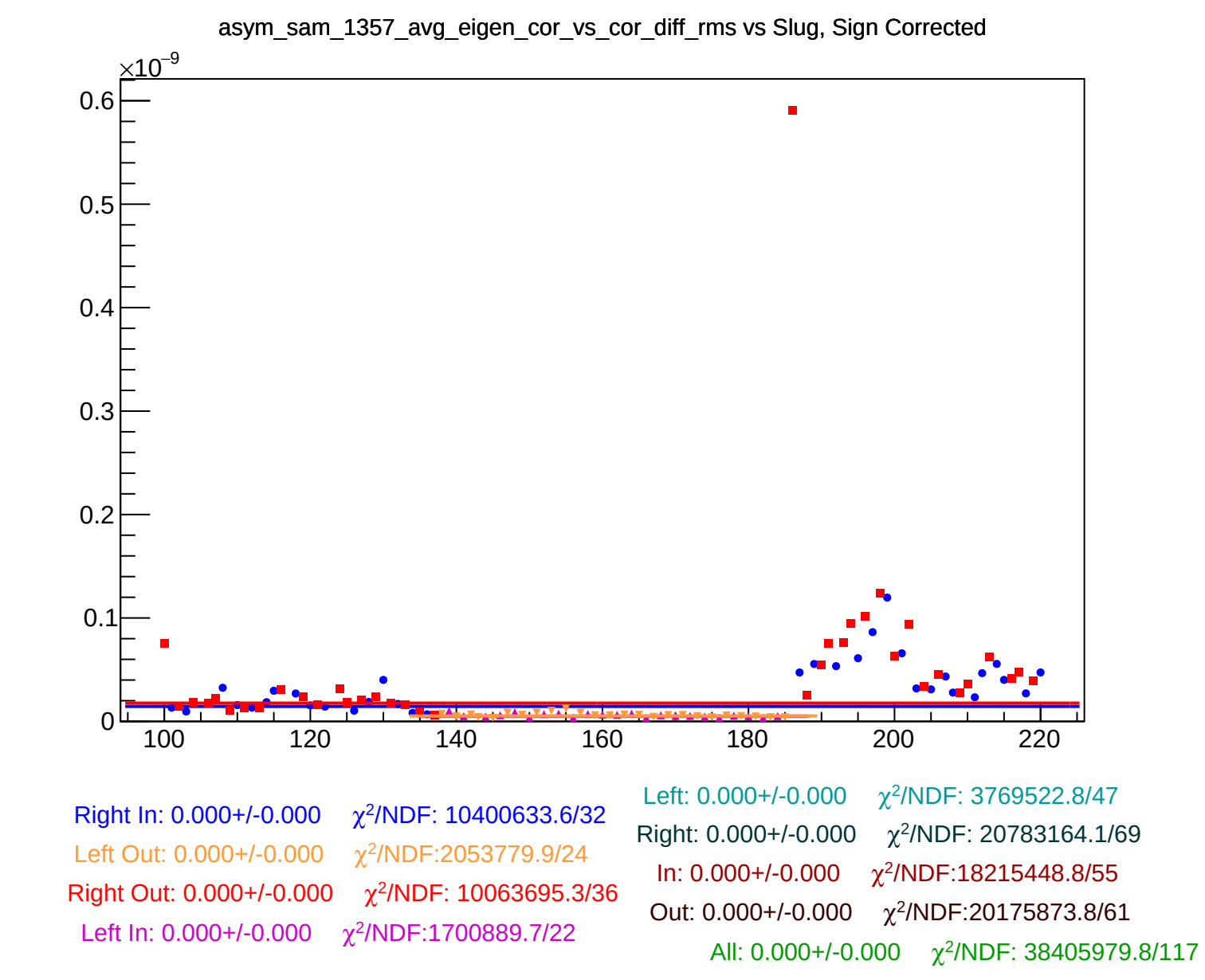
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

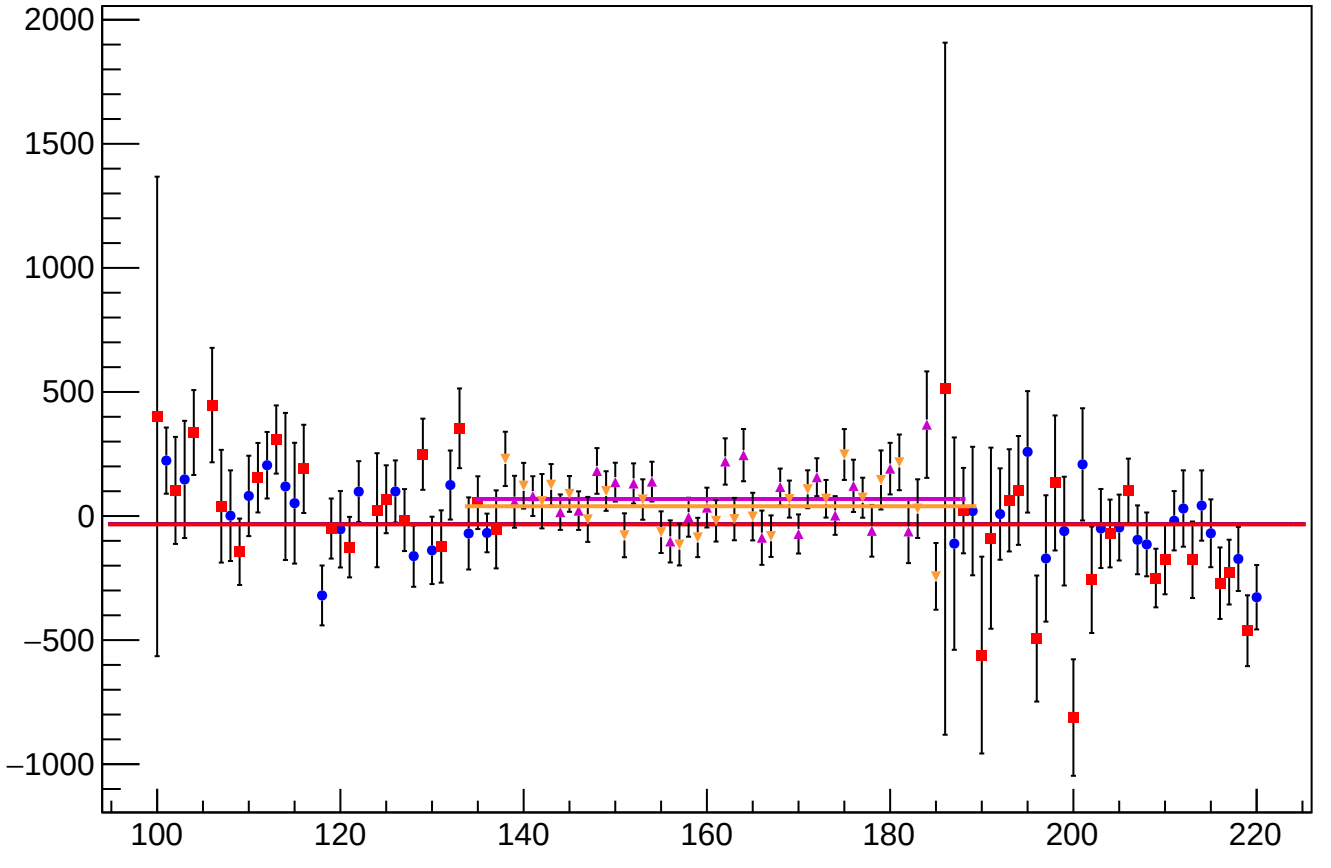
Right: 0.000+/-0.000 χ^2/NDF: 58.7/69

In: 0.000+/-0.000 χ^2/NDF:50.4/55

Out: 0.000+/-0.000 χ^2/NDF:51.9/61

All: 0.000+/-0.000 χ^2/NDF: 103.8/117


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10400633.6/32
Left Out: 0.000+/-0.000 χ²/NDF:2053779.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 10063695.3/36
Left In: 0.000+/-0.000 χ²/NDF:1700889.7/22
Left: 0.000+/-0.000 χ²/NDF: 3769522.8/47
Right: 0.000+/-0.000 χ²/NDF: 20783164.1/69
In: 0.000+/-0.000 χ²/NDF:18215448.8/55
Out: 0.000+/-0.000 χ²/NDF:20175873.8/61
All: 0.000+/-0.000 χ²/NDF: 38405979.8/117



Right In: -32.384+/-25.678 χ^2/NDF: 30.0/32

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -33.492+/-26.571 χ^2/NDF: 70.6/36

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

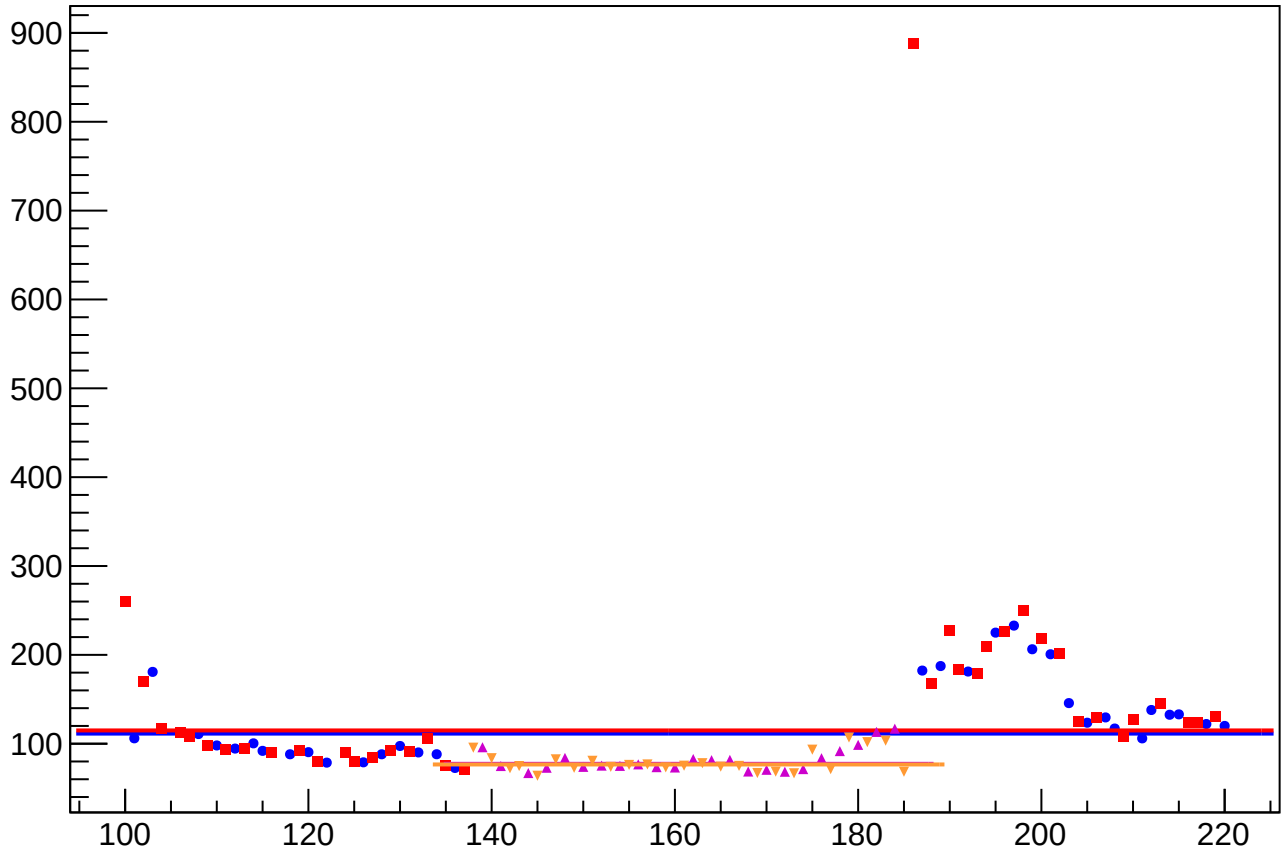
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: -32.919+/-18.465 χ^2/NDF: 100.6/69

In: 34.558+/-14.912 χ^2/NDF:69.3/55

Out: 17.110+/-14.711 χ^2/NDF:107.8/61

All: 25.716+/-10.473 χ^2/NDF: 177.8/117



Right In: 111.388+/-0.018 χ^2/NDF: 3724115.2/32

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 114.944+/-0.019 χ^2/NDF: 4767744.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

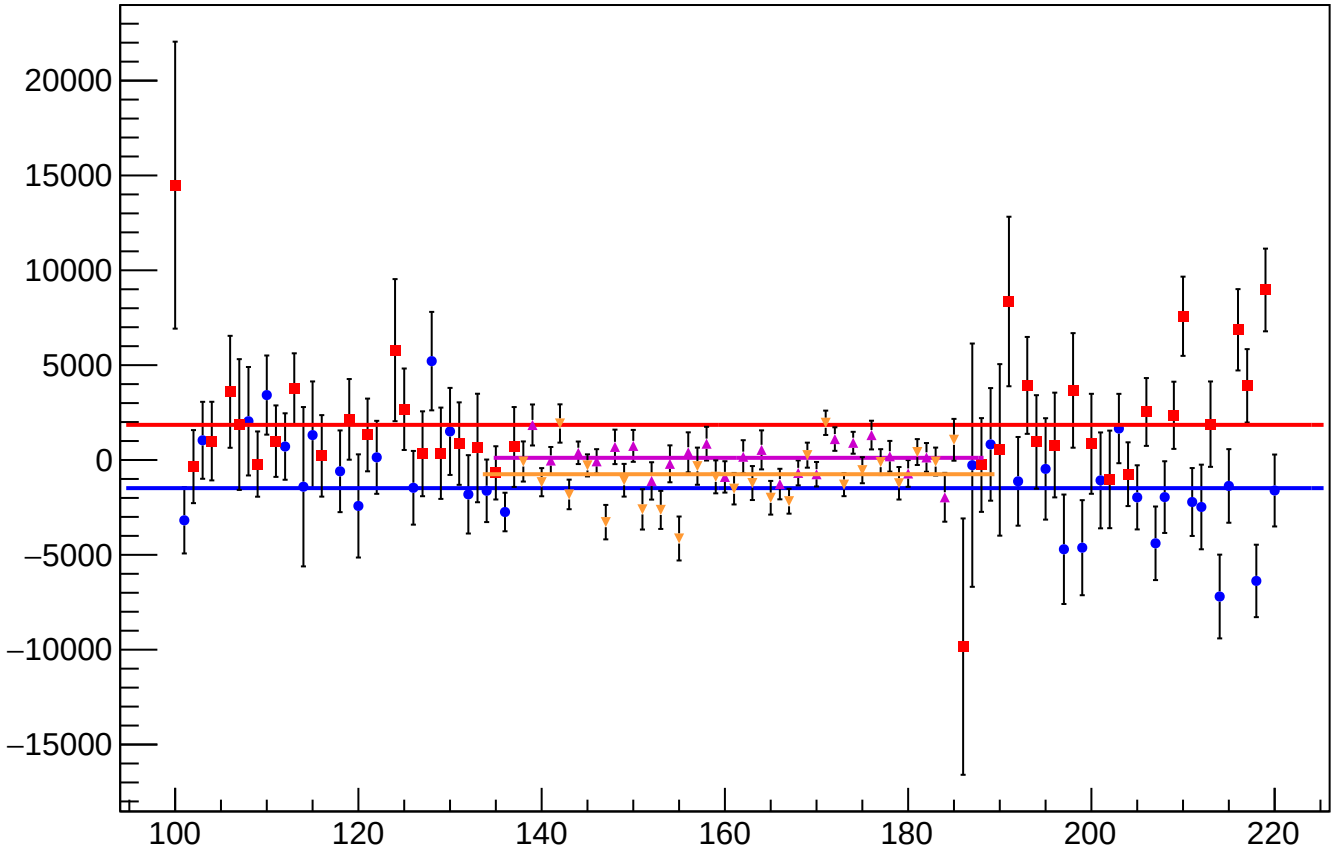
Right: 113.105+/-0.013 χ^2/NDF: 8510381.2/69

In: 88.828+/-0.011 χ^2/NDF:6643769.7/55

Out: 88.386+/-0.010 χ^2/NDF:8303457.2/61

All: 88.604+/-0.007 χ^2/NDF: 14948116.7/117

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1483.505+/-356.839 χ^2/NDF: 45.6/32

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1852.153+/-369.982 χ^2/NDF: 50.0/36

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

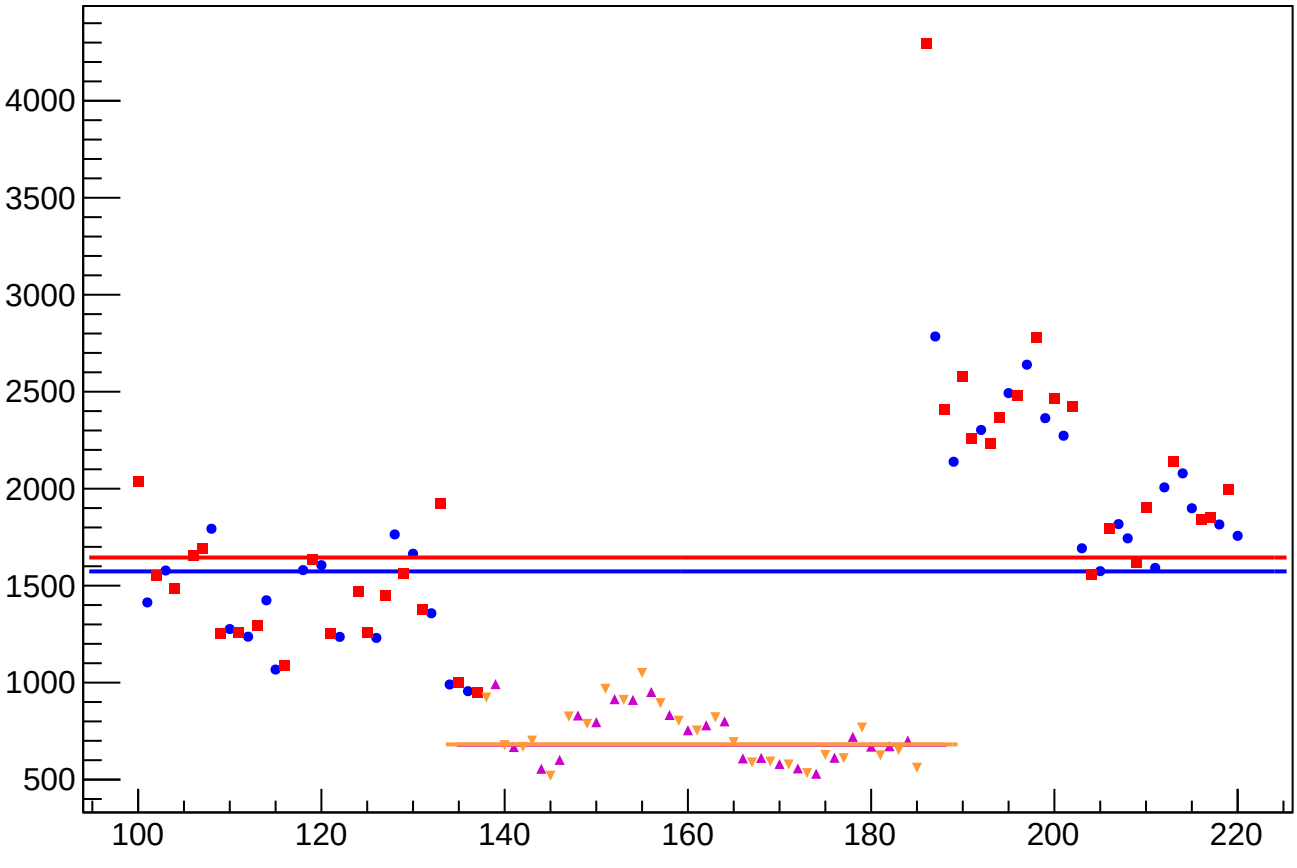
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

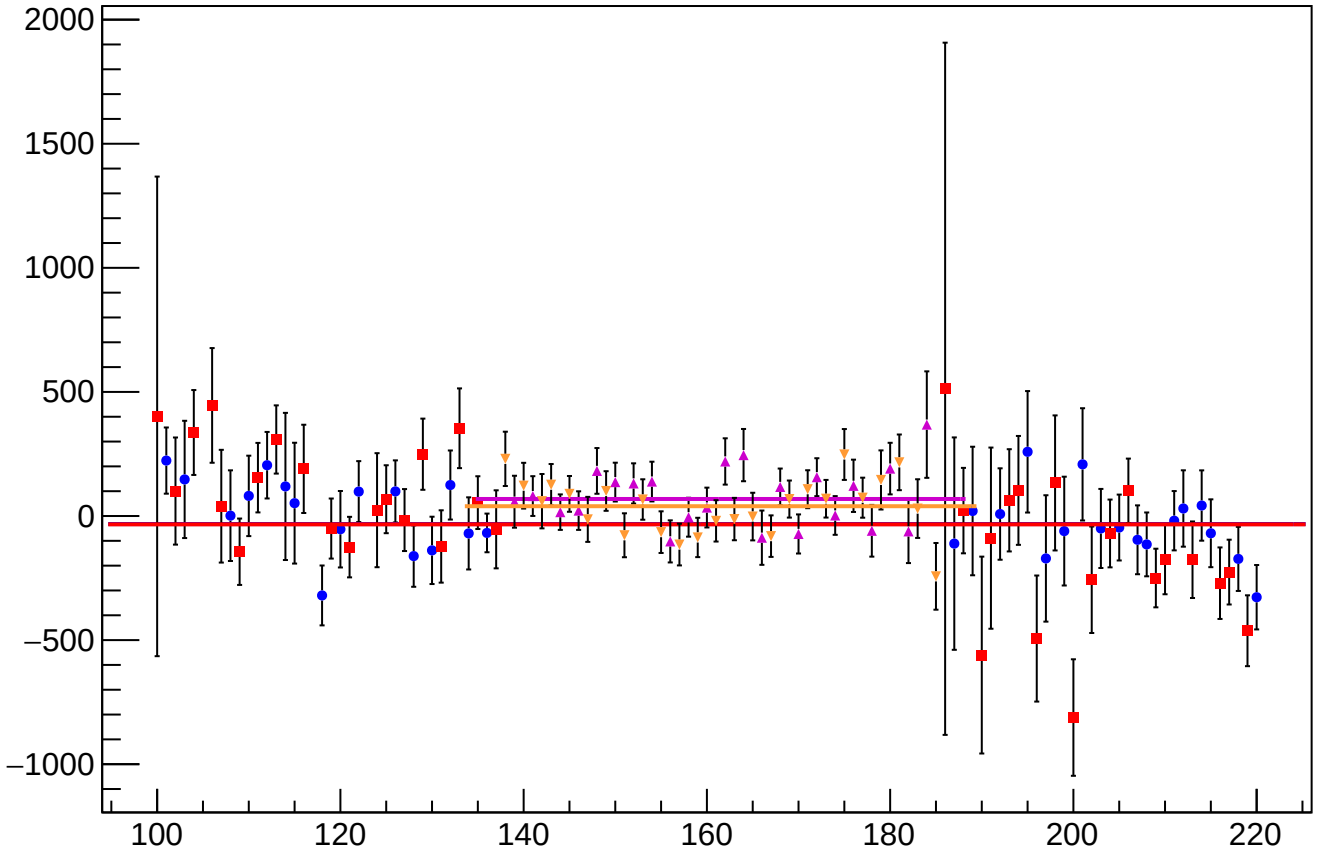
Right: 124.022+/-256.844 χ^2/NDF: 137.8/69

In: -158.621+/-147.366 χ^2/NDF:87.3/55

Out: -347.990+/-145.368 χ^2/NDF:161.8/61

All: -254.598+/-103.490 χ^2/NDF: 250.0/117


asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1573.424+/-0.252 χ²/NDF: 2902798.9/32
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1645.048+/-0.262 χ²/NDF: 3253496.5/36
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1607.941+/-0.182 χ²/NDF: 6195126.3/69
In: 831.887+/-0.104 χ²/NDF:14500723.7/55
Out: 830.185+/-0.103 χ²/NDF:16060220.6/61
All: 831.024+/-0.073 χ²/NDF: 30561079.5/11



Right In: -32.391+/-25.678 χ^2/NDF: 30.0/32

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -33.580+/-26.572 χ^2/NDF: 70.6/36

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

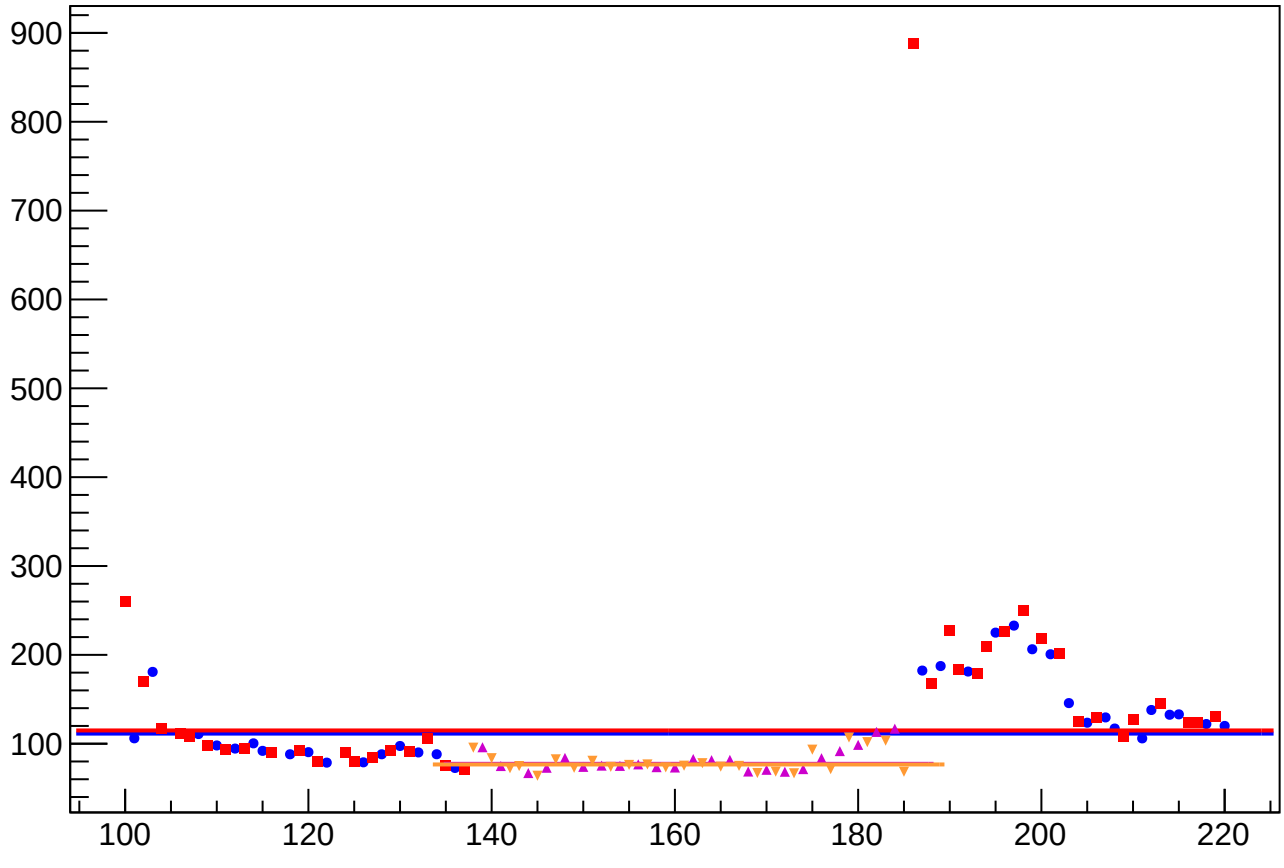
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -32.965+/-18.465 χ^2/NDF: 100.6/69

In: 34.555+/-14.912 χ^2/NDF:69.2/55

Out: 17.089+/-14.712 χ^2/NDF:107.8/61

All: 25.704+/-10.473 χ^2/NDF: 177.7/117



Right In: 111.388+/-0.018 χ^2/NDF: 3724118.7/32

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

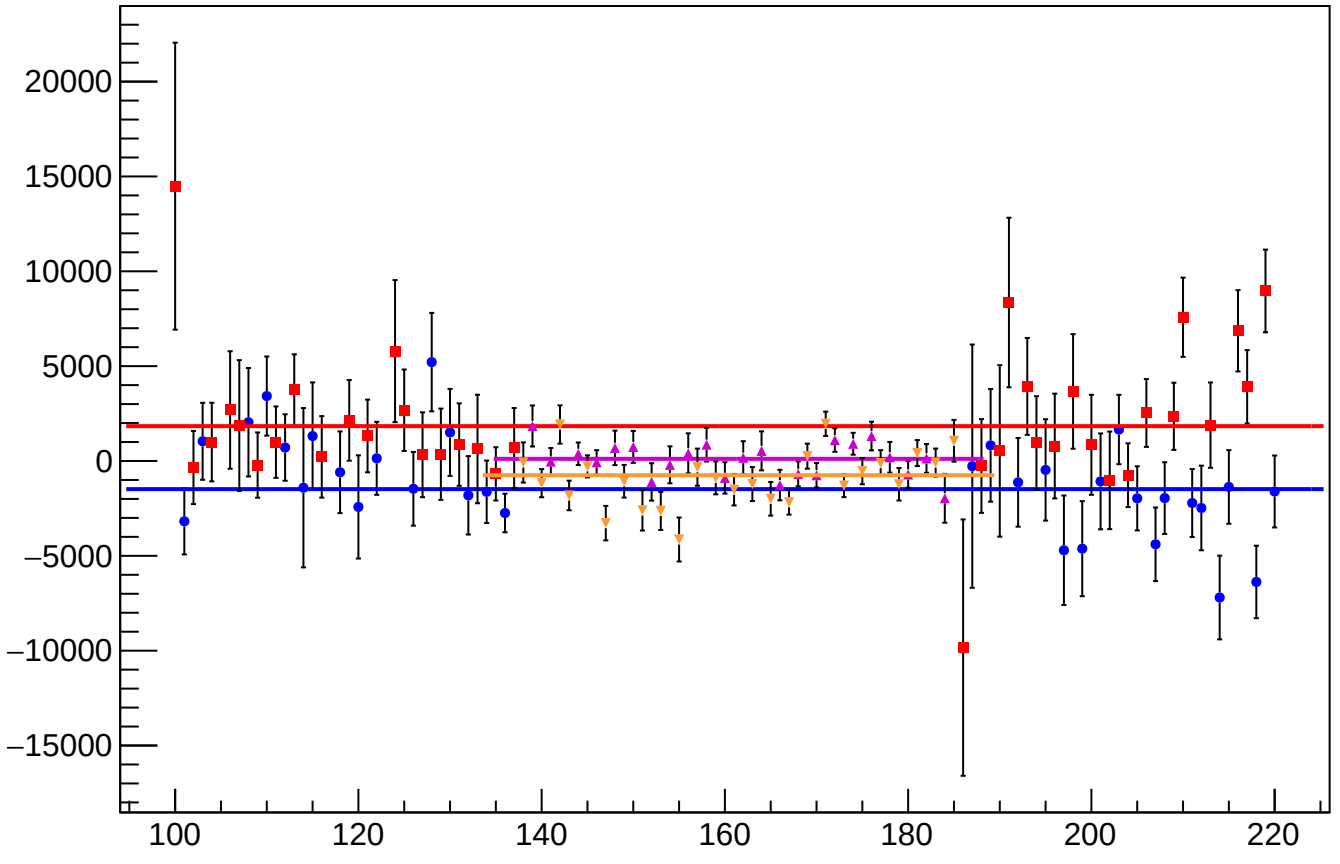
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 113.097+/-0.013 χ^2/NDF: 8510729.4/69

In: 88.828+/-0.011 χ^2/NDF:6643773.4/55

Out: 88.380+/-0.010 χ^2/NDF:8301295.7/61

All: 88.601+/-0.007 χ^2/NDF: 14945982.0/117



Right In: -1483.490+/-356.839 χ^2/NDF: 45.6/32

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1837.044+/-370.259 χ^2/NDF: 49.7/36

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

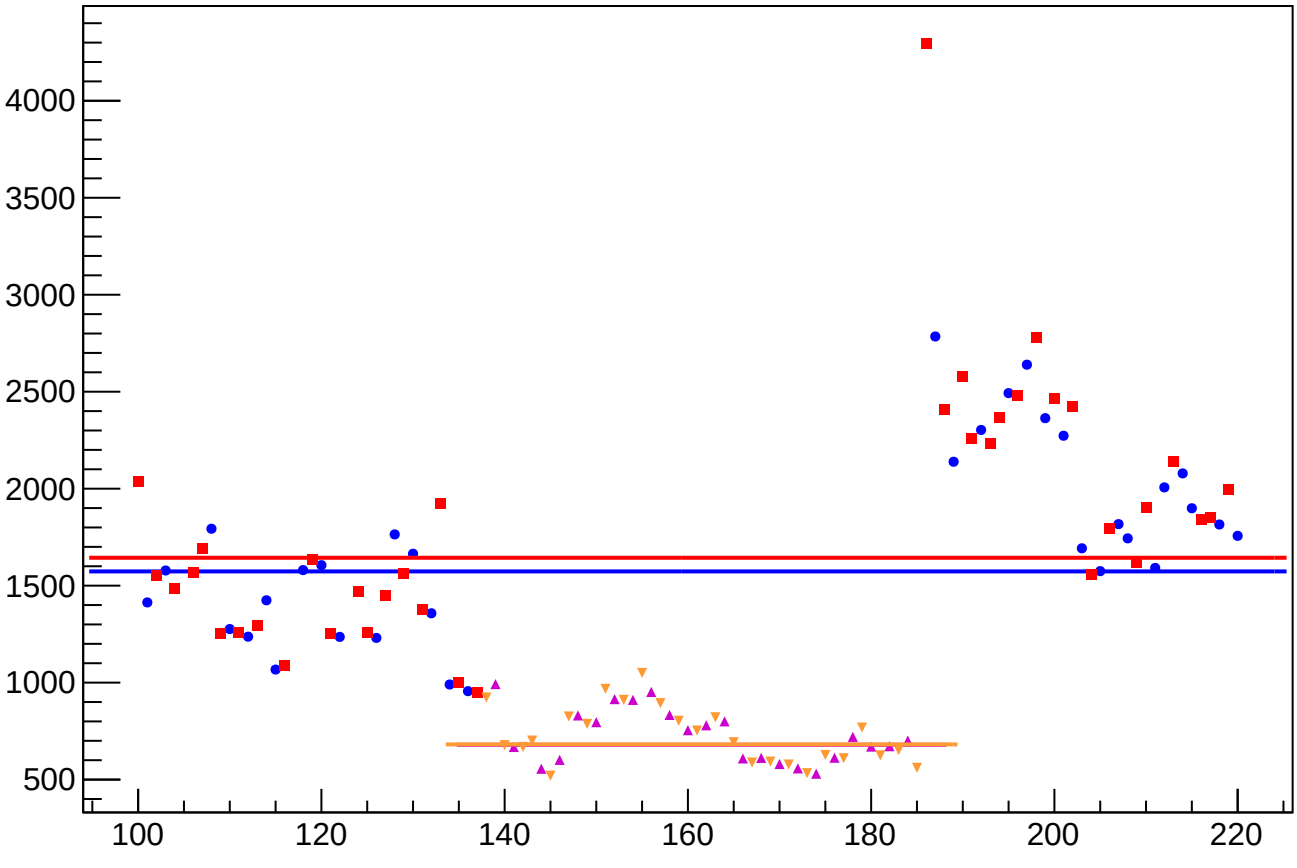
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 115.515+/-256.937 χ^2/NDF: 137.1/69

In: -158.618+/-147.366 χ^2/NDF:87.3/55

Out: -350.819+/-145.385 χ^2/NDF:161.0/61

All: -256.020+/-103.496 χ^2/NDF: 249.2/117



Right In: 1573.427+/-0.252 χ^2/NDF: 2902805.1/32

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1643.839+/-0.262 χ^2/NDF: 3254559.4/36

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

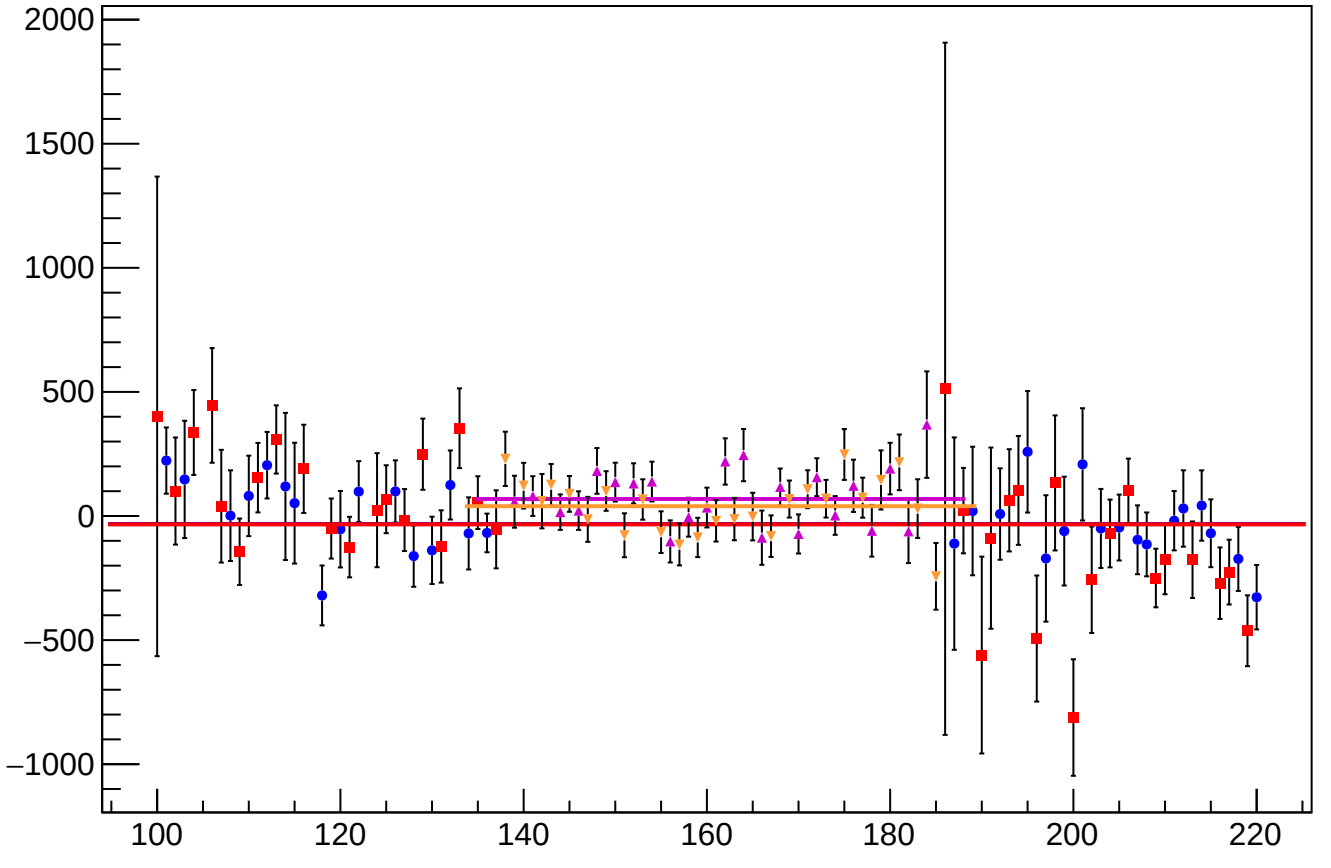
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1607.334+/-0.182 χ^2/NDF: 6194864.0/69

In: 831.887+/-0.104 χ^2/NDF:14500757.0/55

Out: 829.811+/-0.103 χ^2/NDF:16018109.3/61

All: 830.835+/-0.073 χ^2/NDF: 30519067.5/1



Right In: -32.391+/-25.678 χ^2/NDF: 30.0/32

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -33.580+/-26.572 χ^2/NDF: 70.6/36

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

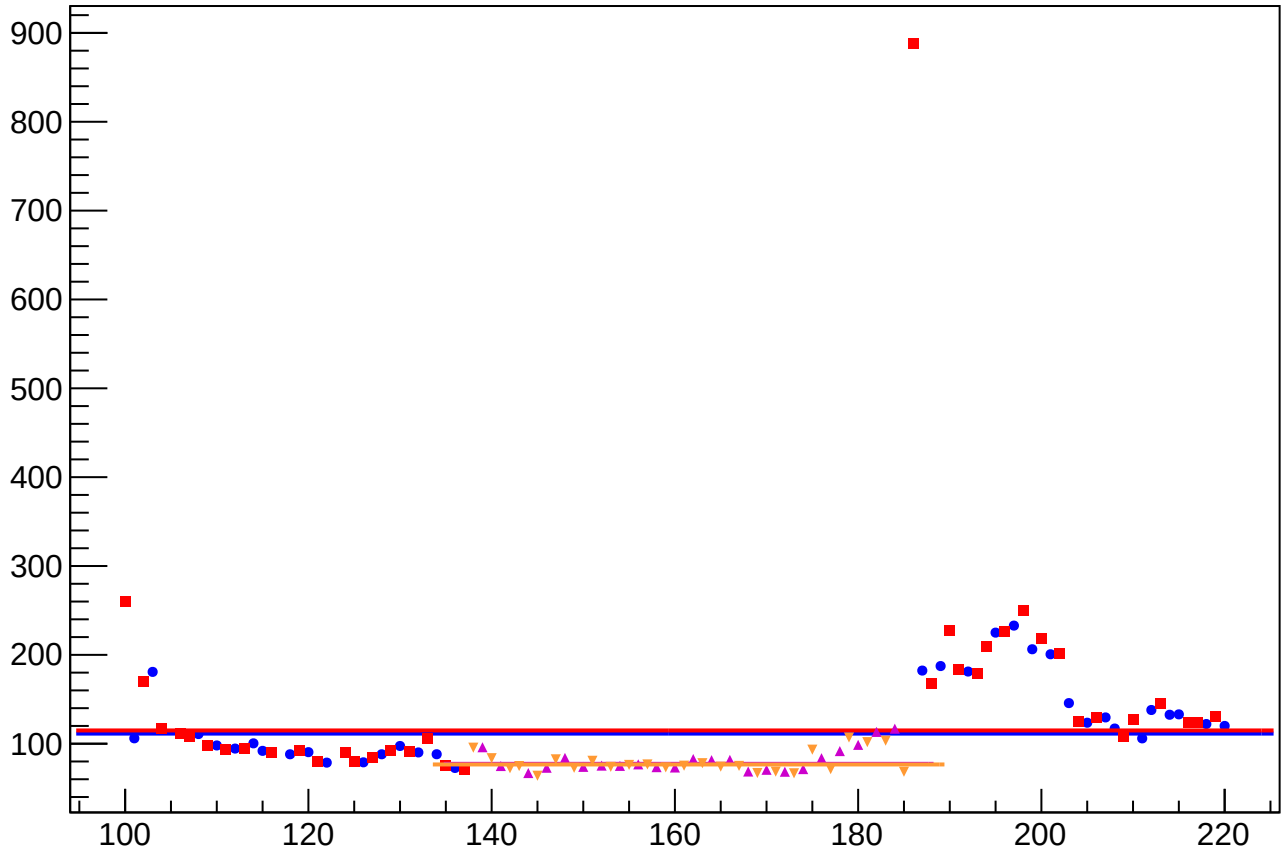
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -32.965+/-18.465 χ^2/NDF: 100.6/69

In: 34.555+/-14.912 χ^2/NDF:69.2/55

Out: 17.089+/-14.712 χ^2/NDF:107.8/61

All: 25.704+/-10.473 χ^2/NDF: 177.7/117



Right In: 111.388+/-0.018 χ^2/NDF: 3724118.7/32

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

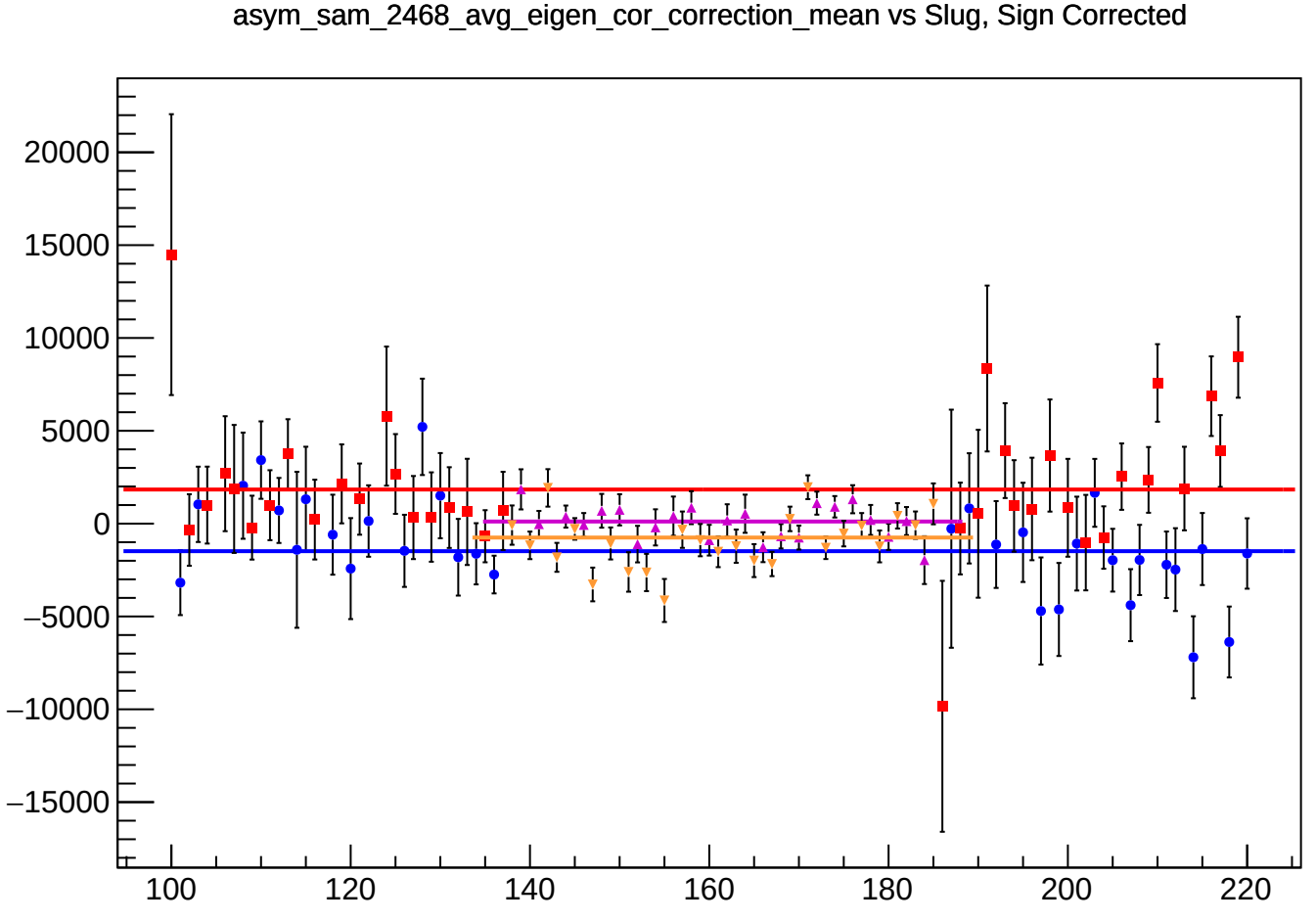
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 113.097+/-0.013 χ^2/NDF: 8510729.4/69

In: 88.828+/-0.011 χ^2/NDF:6643773.4/55

Out: 88.380+/-0.010 χ^2/NDF:8301295.7/61

All: 88.601+/-0.007 χ^2/NDF: 14945982.0/117



Right In: -1483.490+/-356.839 χ^2/NDF: 45.6/32

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1837.044+/-370.259 χ^2/NDF: 49.7/36

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

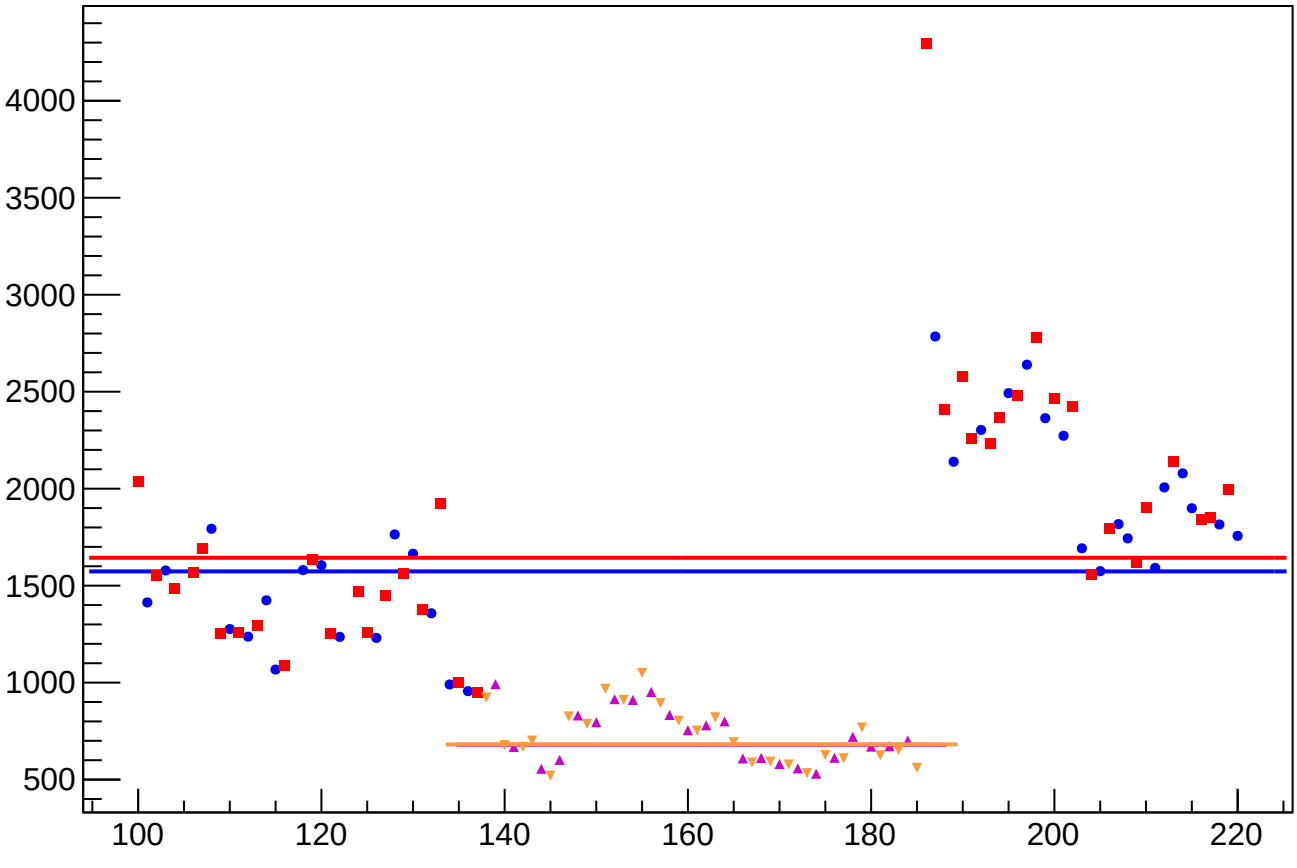
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 115.515+/-256.937 χ^2/NDF: 137.1/69

In: -158.618+/-147.366 χ^2/NDF:87.3/55

Out: -350.819+/-145.385 χ^2/NDF:161.0/61

All: -256.020+/-103.496 χ^2/NDF: 249.2/117



Right In: 1573.427+/-0.252 χ^2/NDF: 2902805.1/32

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1643.839+/-0.262 χ^2/NDF: 3254559.4/36

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

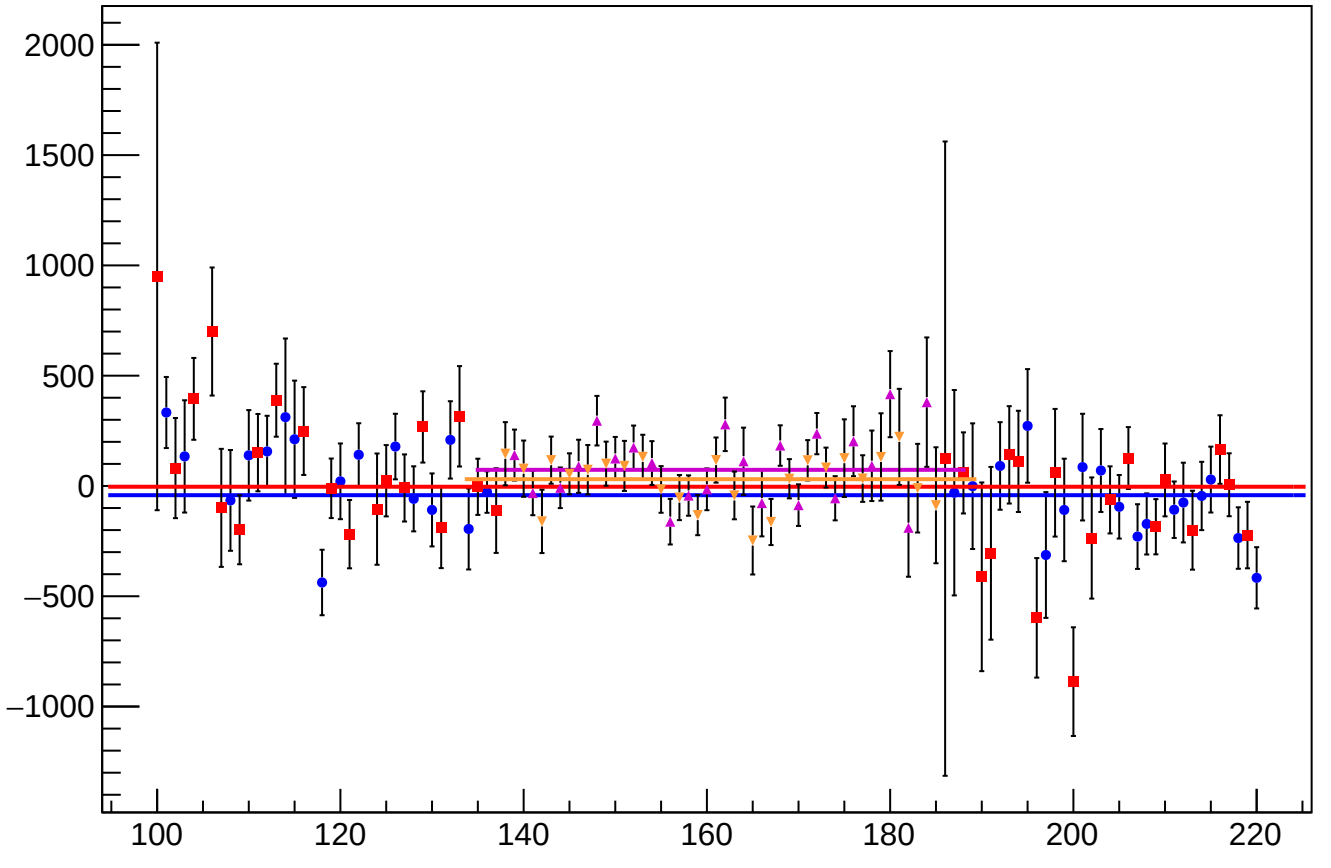
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1607.334+/-0.182 χ^2/NDF: 6194864.0/69

In: 831.887+/-0.104 χ^2/NDF:14500757.0/55

Out: 829.811+/-0.103 χ^2/NDF:16018109.3/61

All: 830.835+/-0.073 χ^2/NDF: 30519067.5/1



Right In: -41.815+/-29.483 χ^2/NDF: 40.1/32

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -3.527+/-30.471 χ^2/NDF: 57.7/36

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

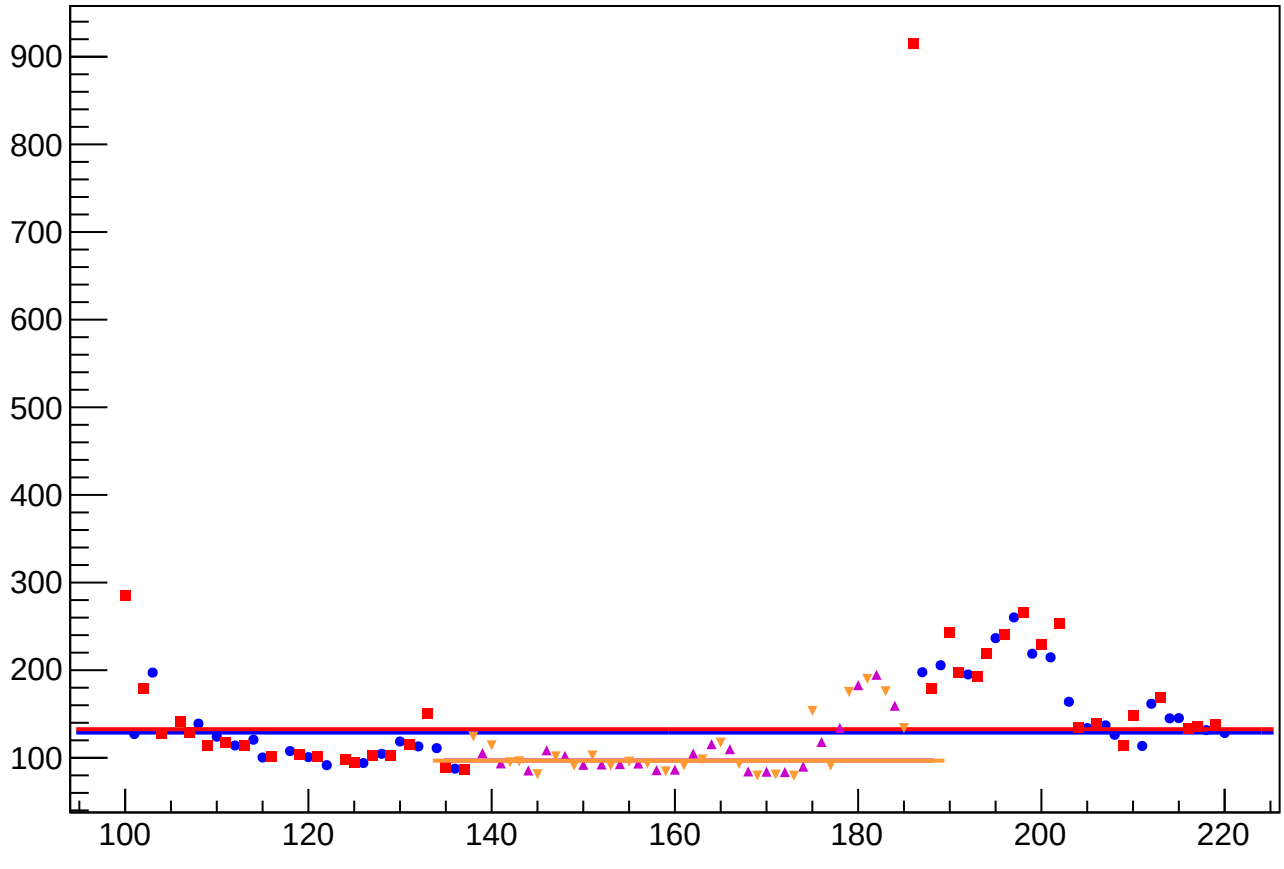
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -23.302+/-21.189 χ^2/NDF: 98.6/69

In: 28.461+/-18.382 χ^2/NDF:83.9/55

Out: 18.367+/-18.284 χ^2/NDF:78.5/61

All: 23.387+/-12.963 χ^2/NDF: 162.5/117



Right In: 128.812+/-0.021 χ^2/NDF: 2969916.5/32

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.664+/-0.022 χ^2/NDF: 4022392.8/36

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

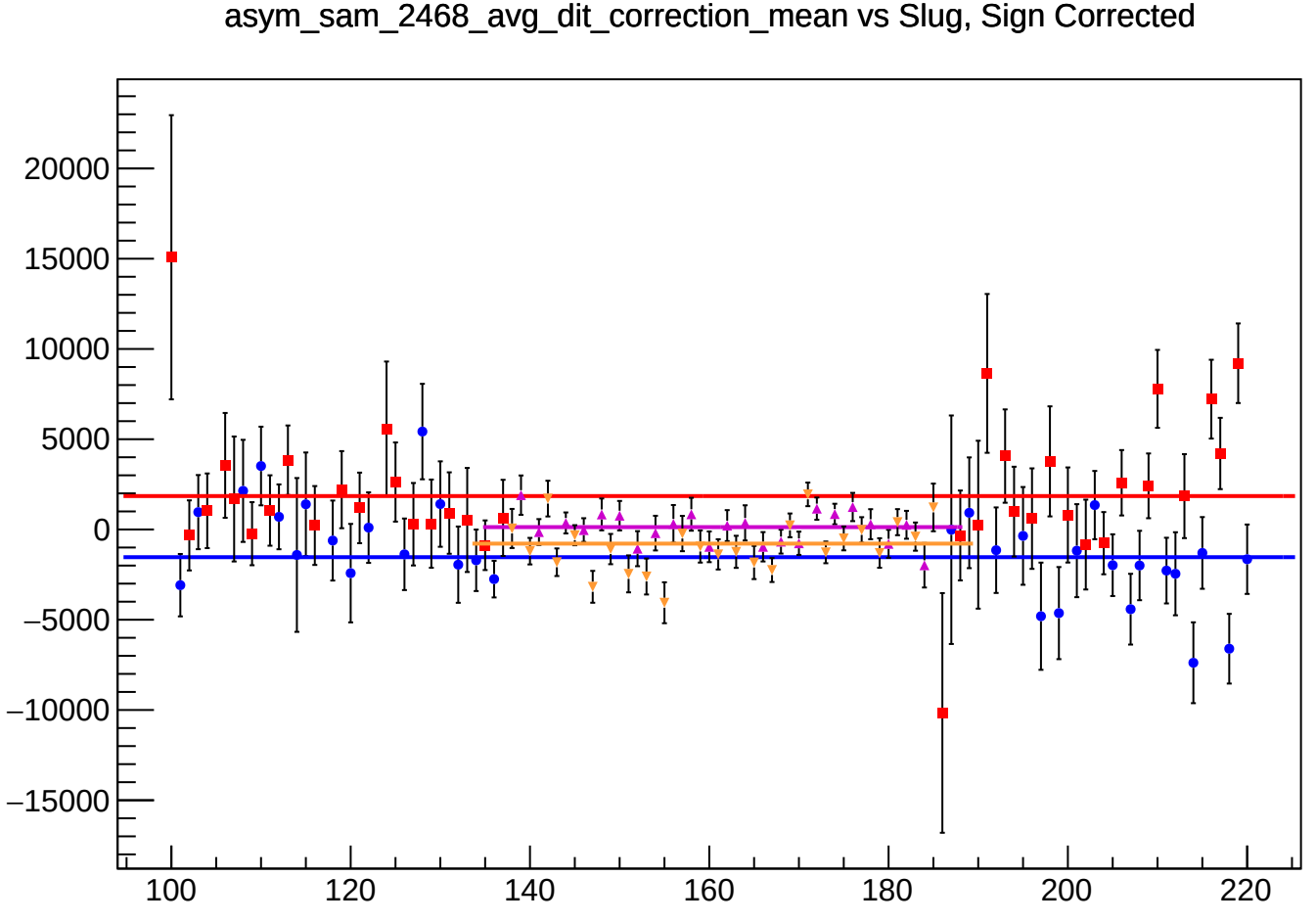
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 130.675+/-0.015 χ^2/NDF: 7008820.3/69

In: 109.375+/-0.013 χ^2/NDF:5712948.6/55

Out: 109.709+/-0.013 χ^2/NDF:7516411.3/61

All: 109.543+/-0.009 χ^2/NDF: 13229691.2/11



Right In: -1534.699+/-362.518 χ^2/NDF: 45.2/32

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1851.340+/-374.313 χ^2/NDF: 52.6/36

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

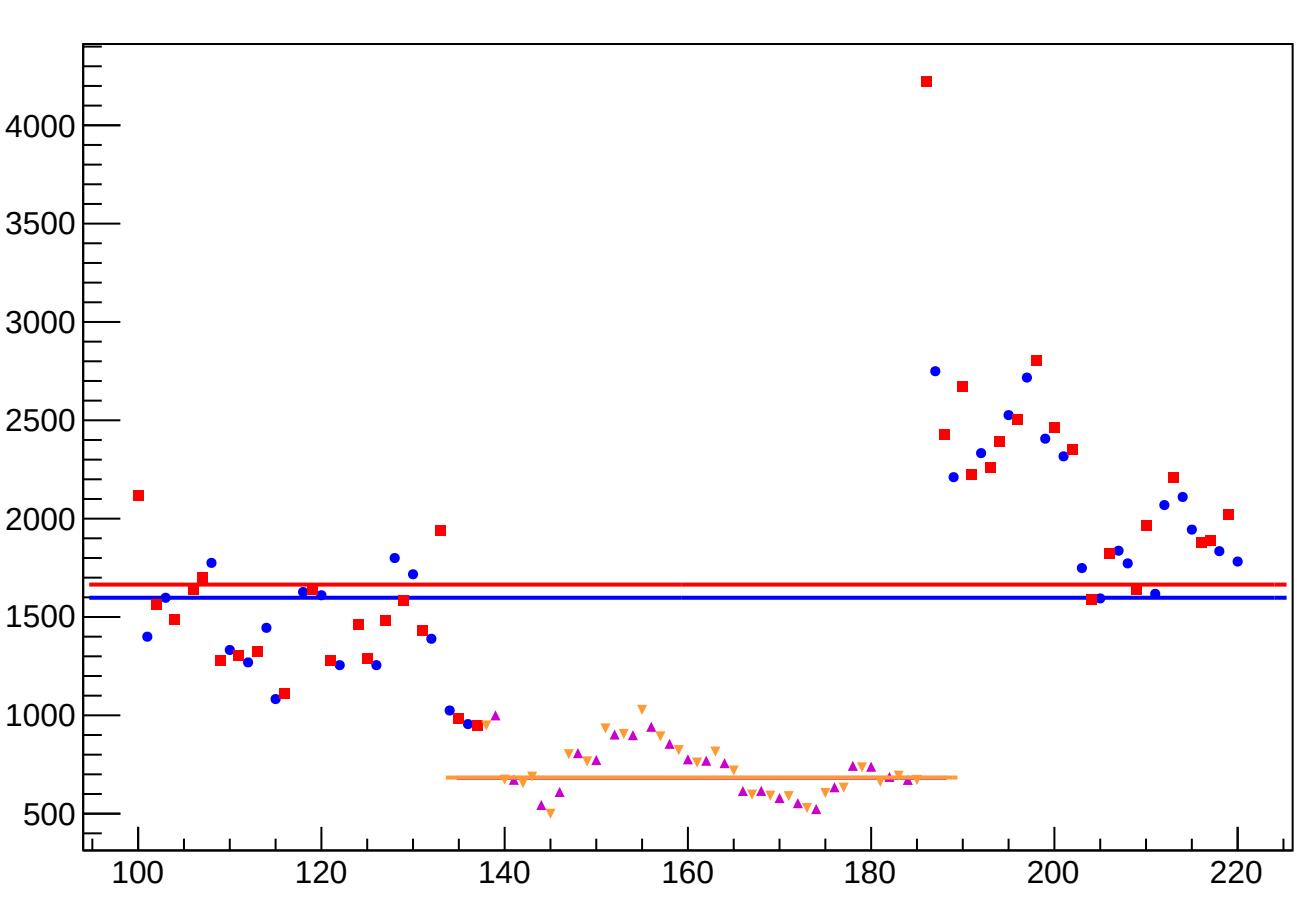
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 104.132+/-260.409 χ^2/NDF: 140.0/69

In: -147.117+/-148.215 χ^2/NDF:87.0/55

Out: -383.846+/-145.820 χ^2/NDF:161.0/61

All: -267.409+/-103.947 χ^2/NDF: 249.3/117



Right In: 1597.807+/-0.256 χ^2/NDF: 2955675.3/32

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1664.670+/-0.265 χ^2/NDF: 3256020.7/36

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

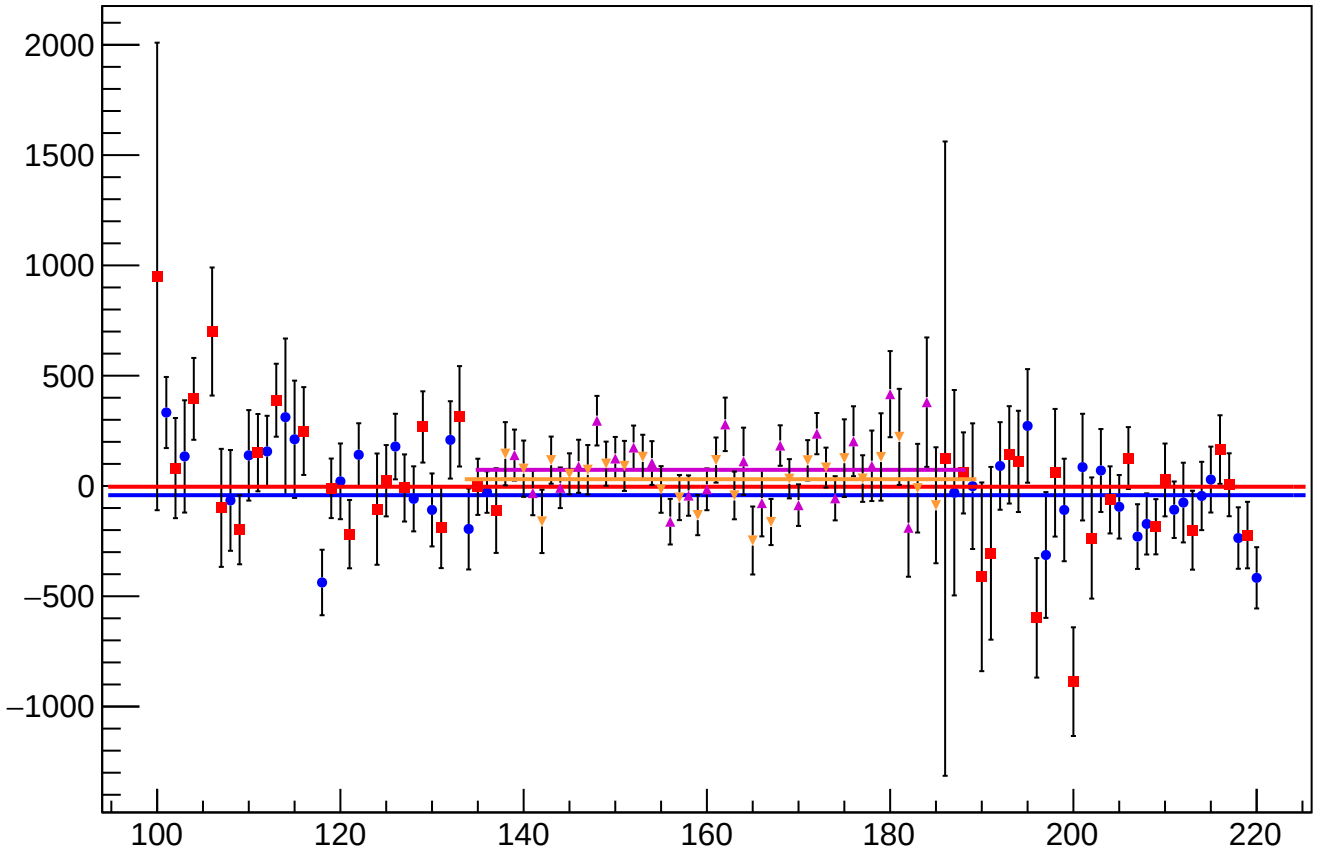
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1630.169+/-0.184 χ^2/NDF: 6244625.0/69

In: 835.052+/-0.105 χ^2/NDF:14772891.5/55

Out: 832.573+/-0.103 χ^2/NDF:16205701.9/61

All: 833.792+/-0.074 χ^2/NDF: 30978877.6/1



Right In: -41.812+/-29.483 χ^2/NDF: 40.1/32

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -3.530+/-30.471 χ^2/NDF: 57.7/36

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

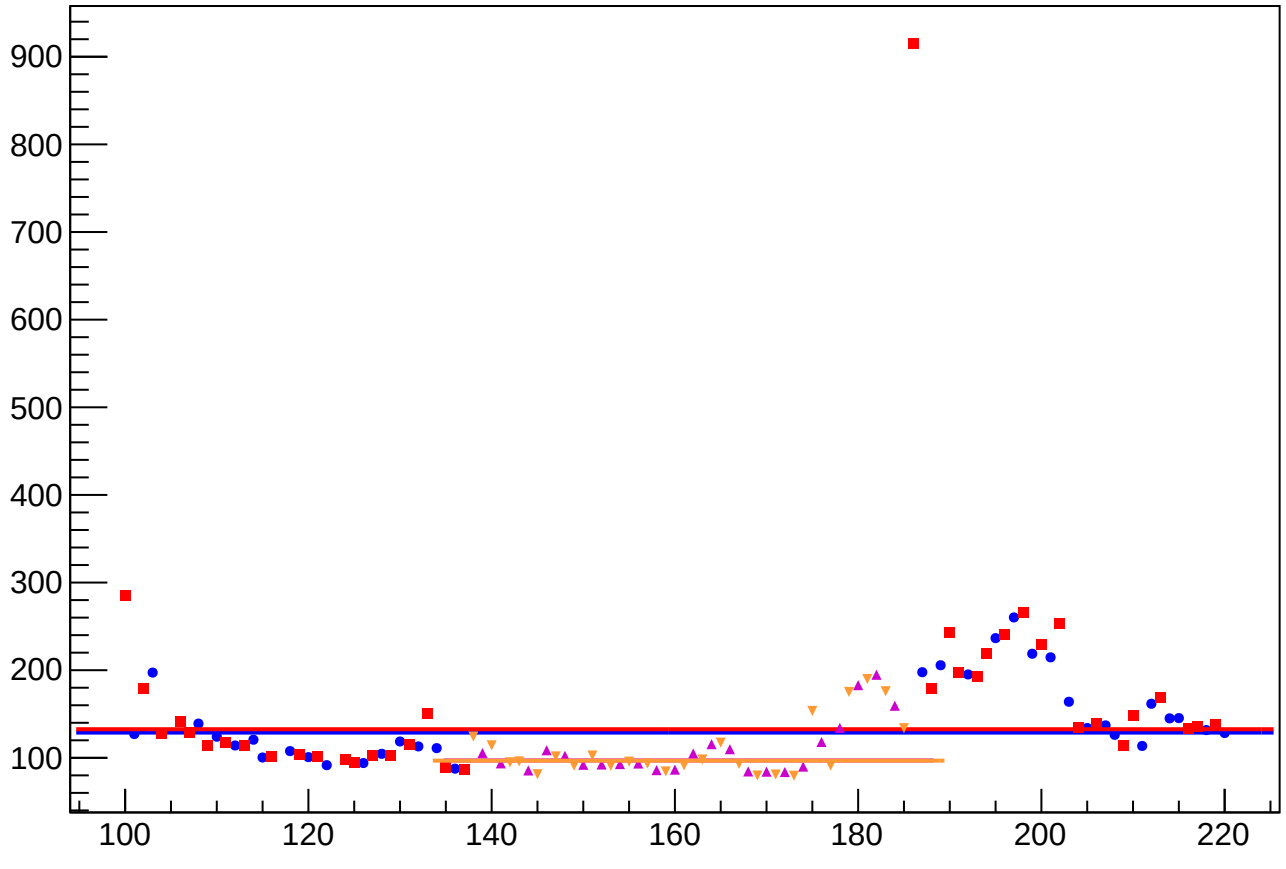
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -23.302+/-21.189 χ^2/NDF: 98.6/69

In: 28.462+/-18.382 χ^2/NDF:83.9/55

Out: 18.366+/-18.284 χ^2/NDF:78.5/61

All: 23.387+/-12.963 χ^2/NDF: 162.5/117



Right In: 128.811+/-0.021 χ^2/NDF: 2969935.2/32

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.664+/-0.022 χ^2/NDF: 4022423.4/36

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

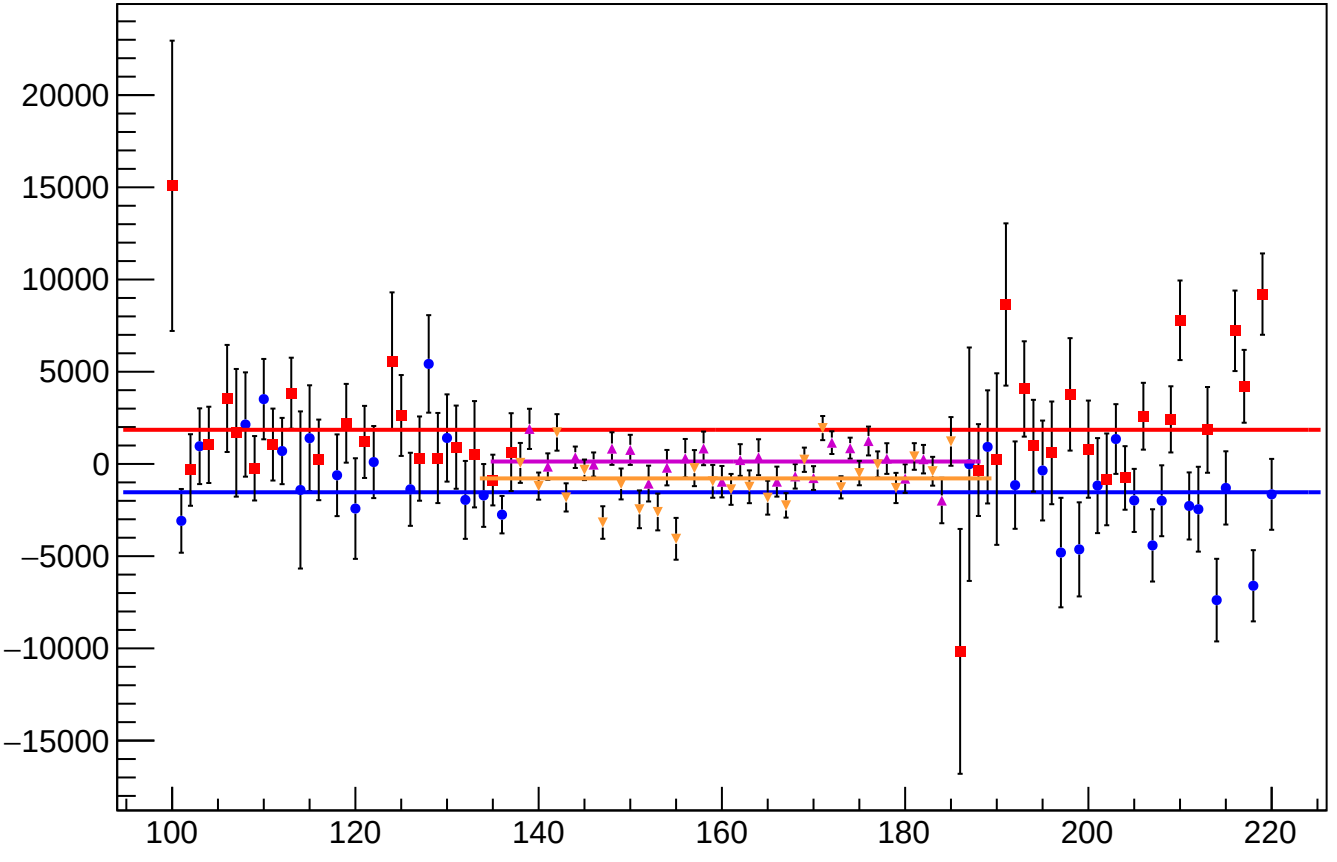
Right: 130.674+/-0.015 χ^2/NDF: 7008870.4/69

In: 109.376+/-0.013 χ^2/NDF:5712874.0/55

Out: 109.709+/-0.013 χ^2/NDF:7516365.6/61

All: 109.543+/-0.009 χ^2/NDF: 13229570.9/11

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1534.693+/-362.518 χ^2/NDF: 45.2/32

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1851.336+/-374.313 χ^2/NDF: 52.6/36

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

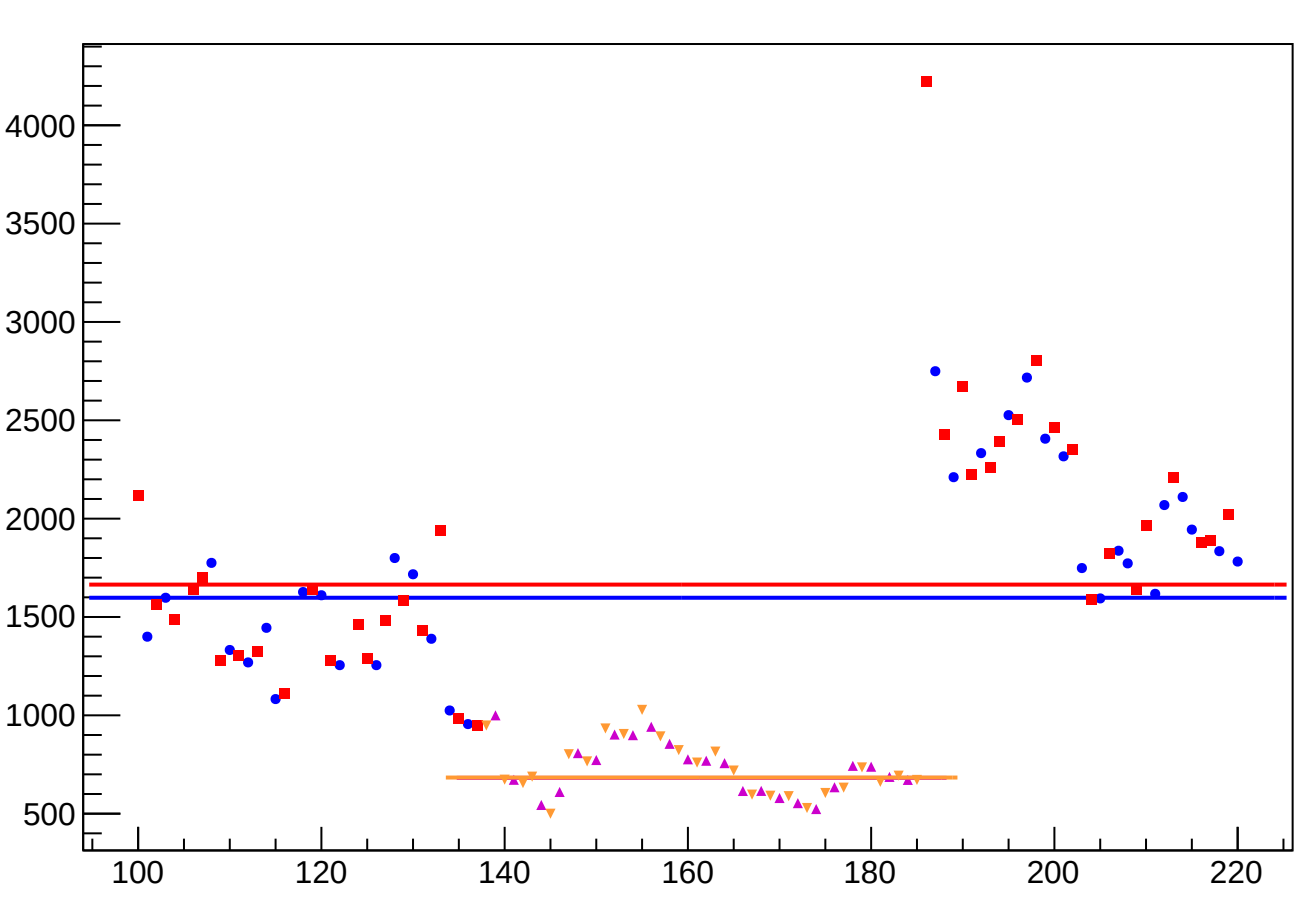
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

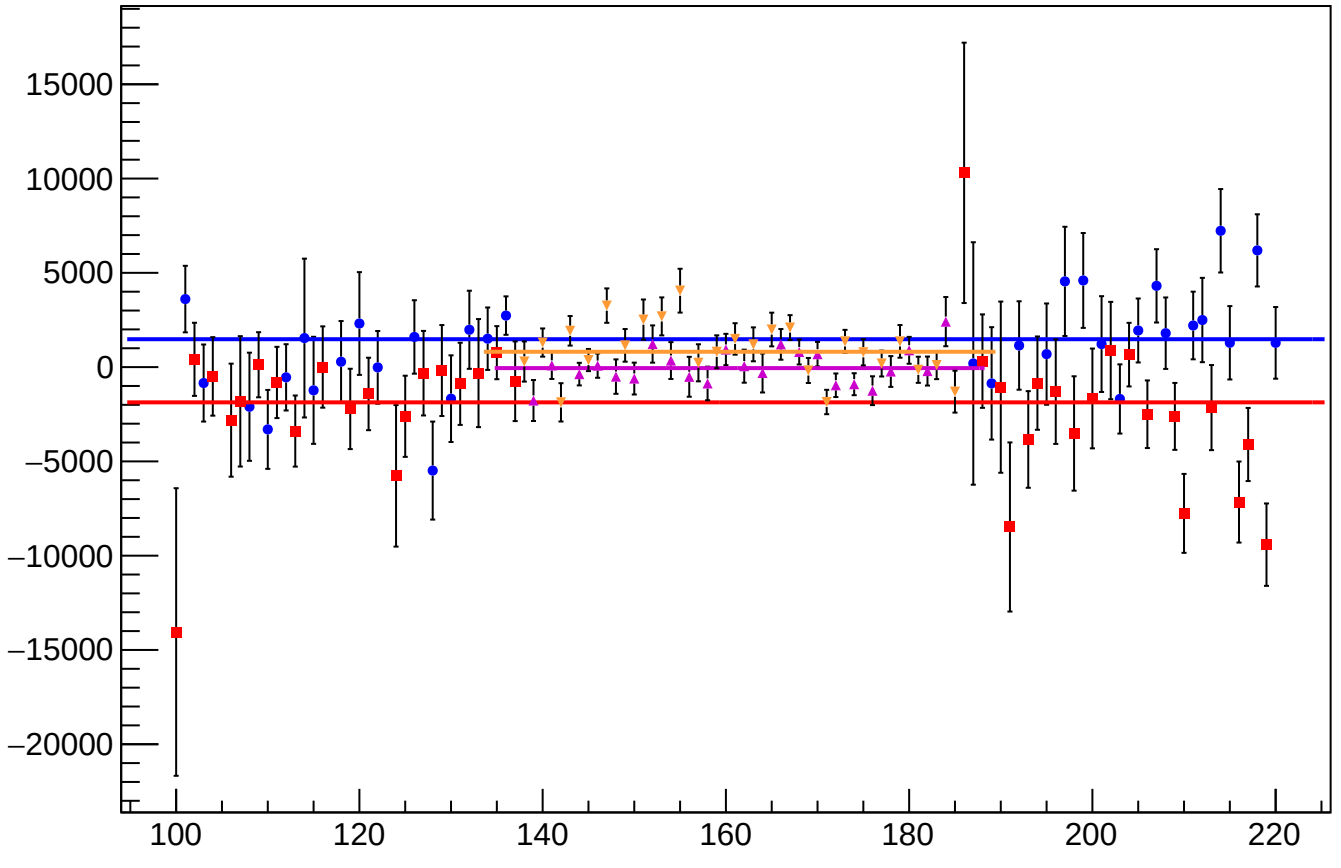
Right: 104.133+/-260.409 χ^2/NDF: 140.0/69

In: -147.116+/-148.215 χ^2/NDF:87.0/55

Out: -383.846+/-145.820 χ^2/NDF:161.0/61

All: -267.409+/-103.947 χ^2/NDF: 249.3/117


asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1597.805+/-0.256 χ²/NDF: 2955684.5/32
Left Out: 683.696+/-0.112 χ²/NDF:1297975.5/24
Right Out: 1664.667+/-0.265 χ²/NDF: 3256033.1/36
Left In: 681.960+/-0.115 χ²/NDF:1186136.6/22
Left: 682.850+/-0.080 χ²/NDF: 2484229.4/47
Right: 1630.166+/-0.184 χ²/NDF: 6244646.7/69
In: 835.050+/-0.105 χ²/NDF:14772909.8/55
Out: 832.571+/-0.103 χ²/NDF:16205728.2/61
All: 833.790+/-0.074 χ²/NDF: 30978922.2/11



Right In: 1479.833+/-358.035 χ^2/NDF: 45.2/32

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1868.982+/-371.205 χ^2/NDF: 52.2/36

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

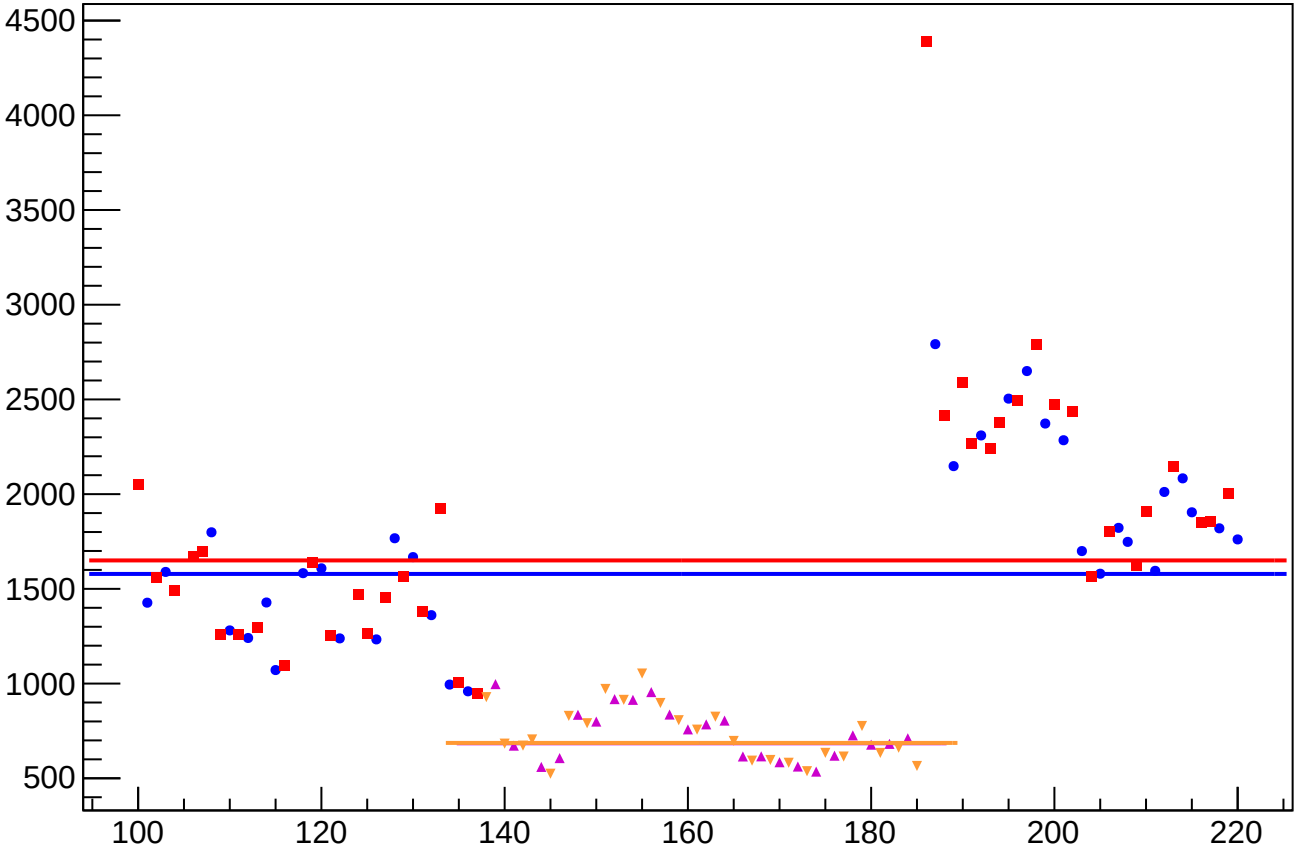
Right: -134.118+/-257.699 χ^2/NDF: 139.6/69

In: 210.841+/-148.377 χ^2/NDF:85.8/55

Out: 396.988+/-146.355 χ^2/NDF:162.1/61

All: 305.191+/-104.196 χ^2/NDF: 248.7/117

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1578.762+/-0.253 χ^2/NDF: 2900932.6/32

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1650.084+/-0.262 χ^2/NDF: 3264138.4/36

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

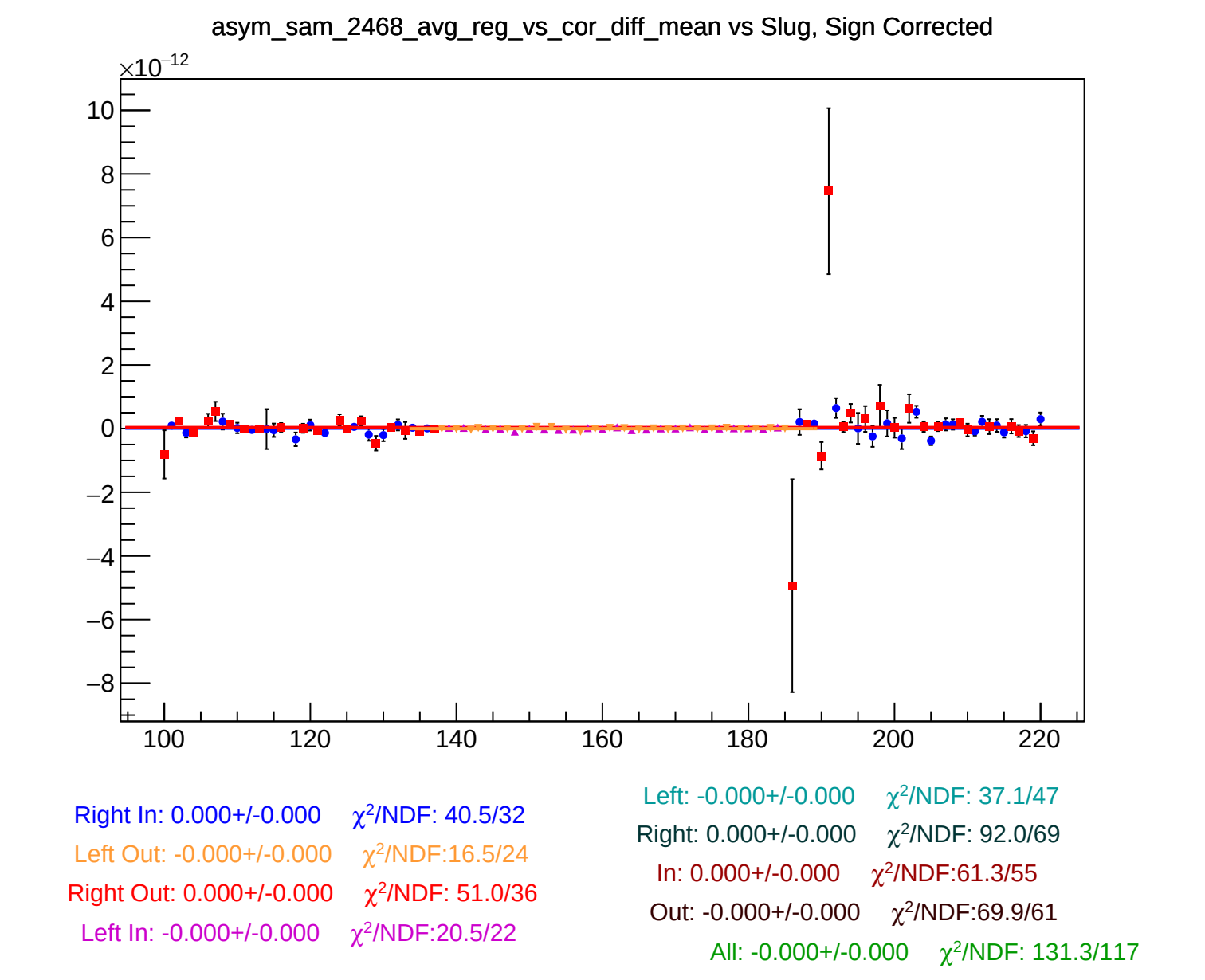
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

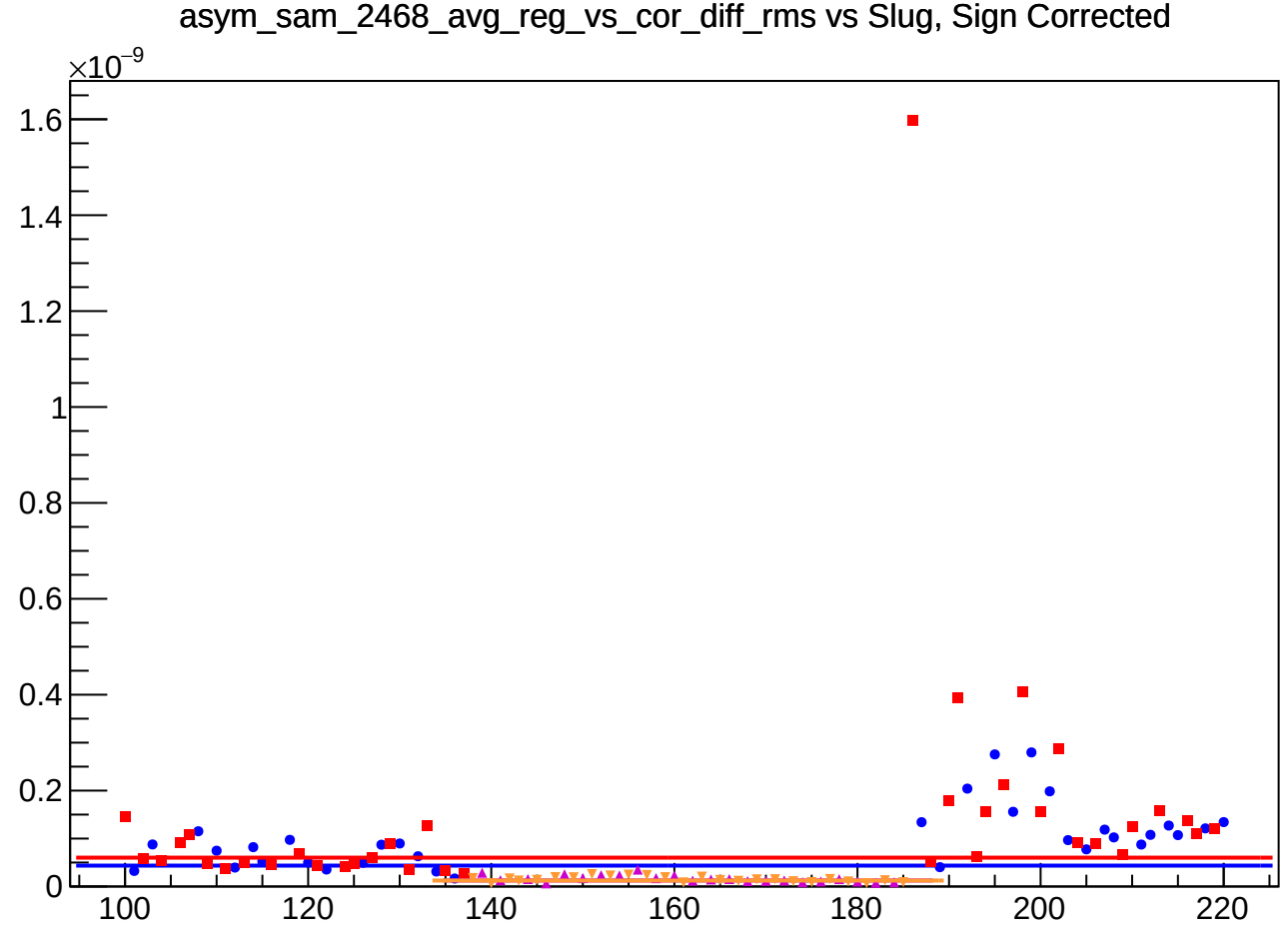
Right: 1613.135+/-0.182 χ^2/NDF: 6203320.0/69

In: 838.301+/-0.105 χ^2/NDF:14394144.1/55

Out: 836.458+/-0.103 χ^2/NDF:15953337.3/61

All: 837.367+/-0.074 χ^2/NDF: 30347637.9/1


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 40.5/32
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 51.0/36
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: 92.0/69
In: 0.000+/-0.000 χ²/NDF:61.3/55
Out: -0.000+/-0.000 χ²/NDF:69.9/61
All: -0.000+/-0.000 χ²/NDF: 131.3/117



Right In: 0.000+/-0.000 χ^2/NDF: 7693358.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4762837.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

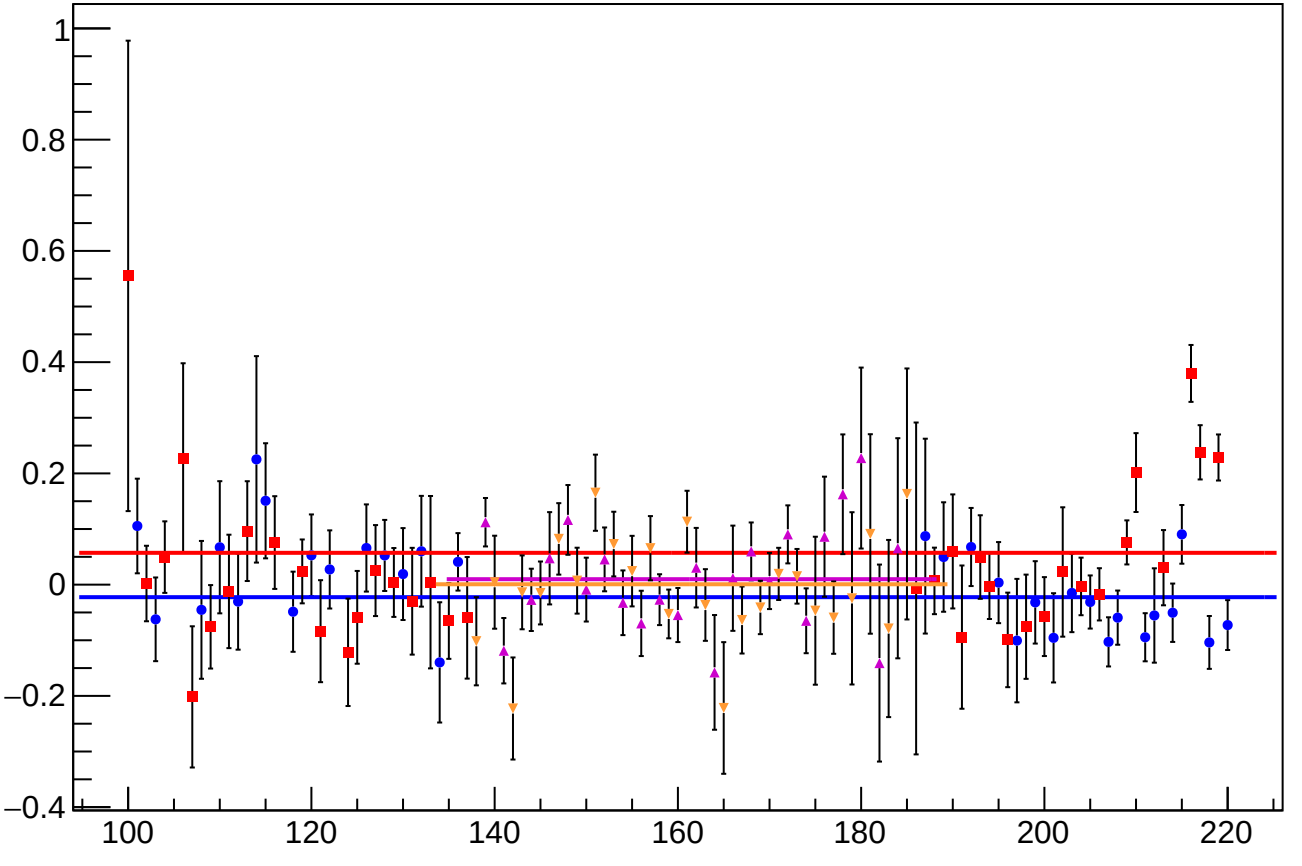
Right: 0.000+/-0.000 χ^2/NDF: 13021949.7/69

In: 0.000+/-0.000 χ^2/NDF:14294644.4/55

Out: 0.000+/-0.000 χ^2/NDF:13889998.4/61

All: 0.000+/-0.000 χ^2/NDF: 28186793.0/117

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.012 χ^2/NDF: 35.7/32

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

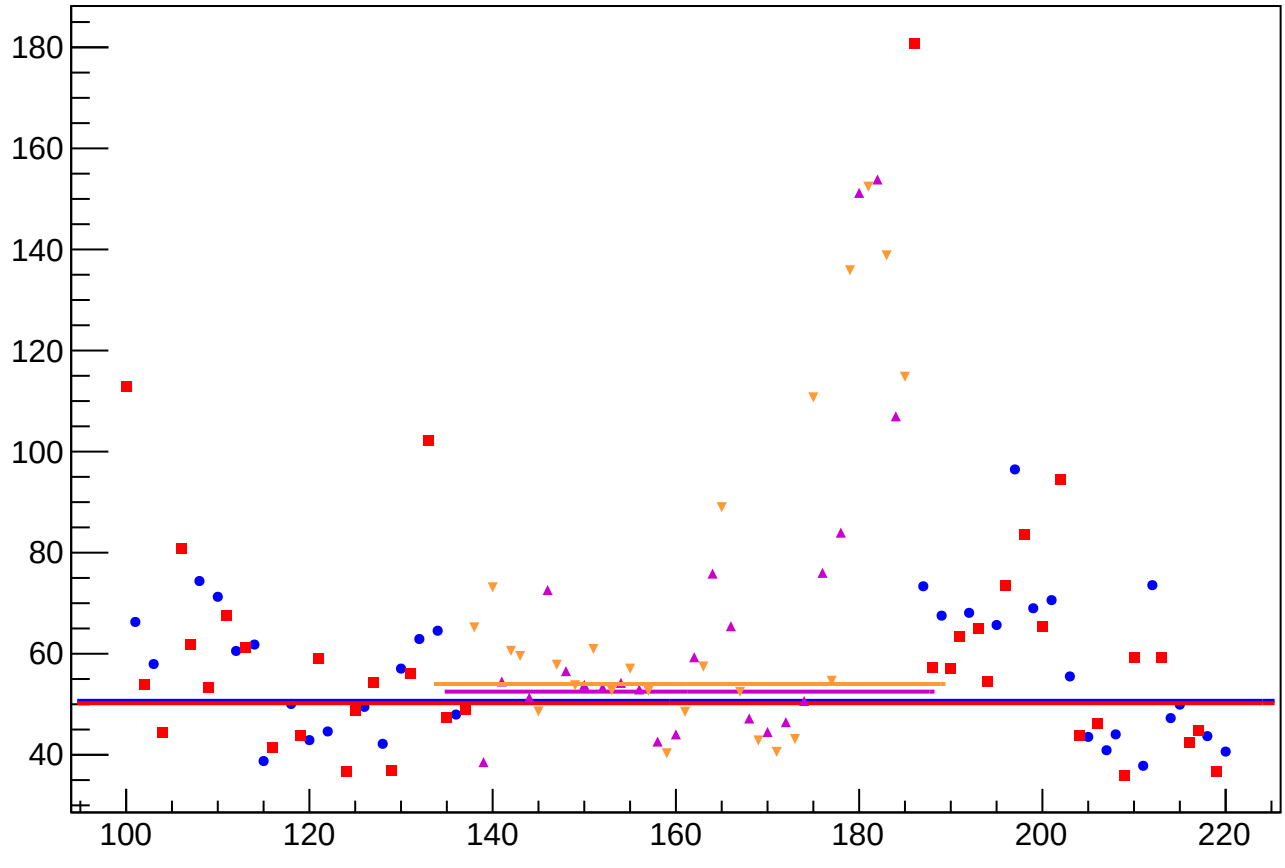
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.018+/-0.008 χ^2/NDF: 174.5/69

In: -0.008+/-0.009 χ^2/NDF:70.9/55

Out: 0.032+/-0.009 χ^2/NDF:157.6/61

All: 0.012+/-0.006 χ^2/NDF: 239.3/117



Right In: 50.681+/-0.008 χ^2/NDF: 1982874.9/32

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 50.212+/-0.008 χ^2/NDF: 2648030.1/36

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

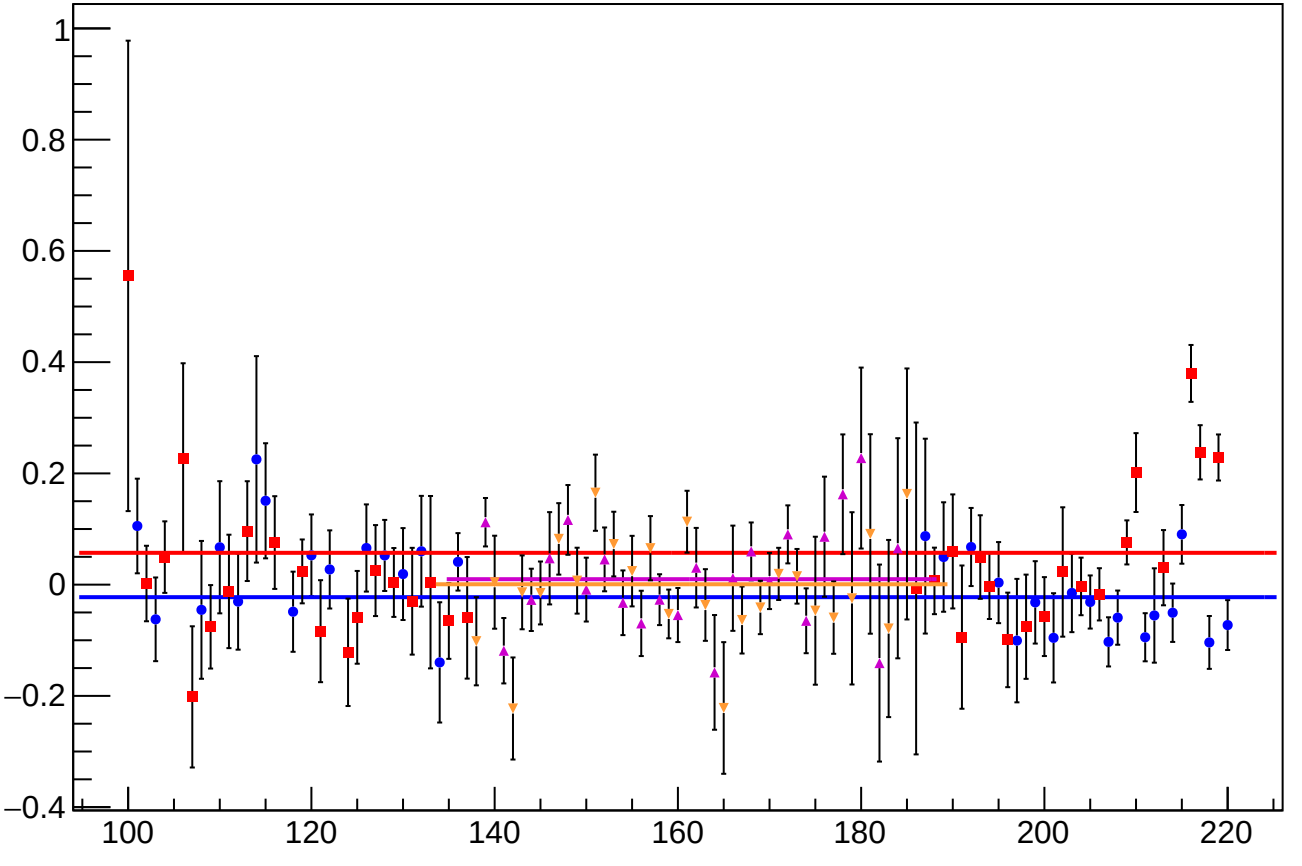
Right: 50.445+/-0.006 χ^2/NDF: 4632511.7/69

In: 51.484+/-0.006 χ^2/NDF:4561856.4/55

Out: 51.875+/-0.006 χ^2/NDF:5968393.8/61

All: 51.680+/-0.004 χ^2/NDF: 10532245.8/117

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.012 χ^2/NDF: 35.7/32

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

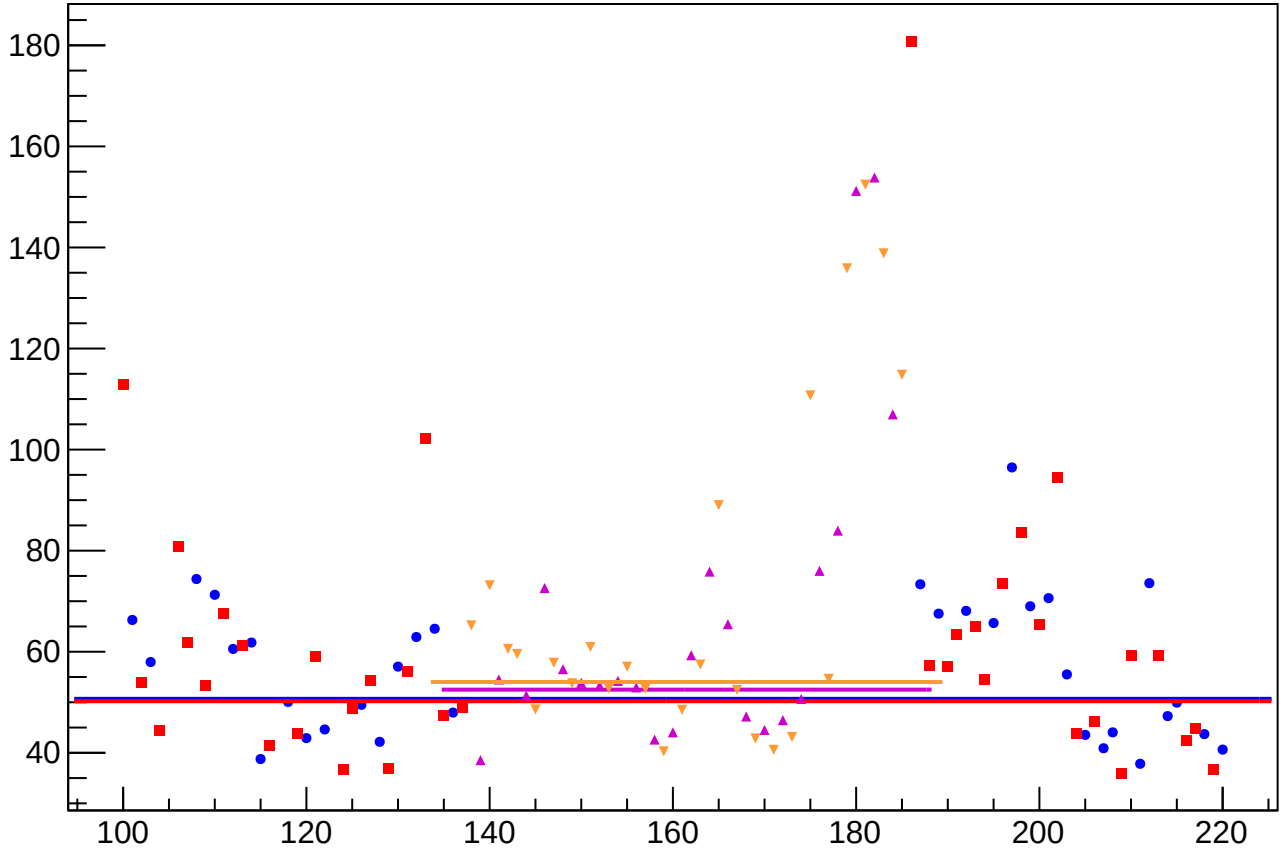
Right: 0.018+/-0.008 χ^2/NDF: 174.5/69

In: -0.008+/-0.009 χ^2/NDF:70.9/55

Out: 0.032+/-0.009 χ^2/NDF:157.6/61

All: 0.012+/-0.006 χ^2/NDF: 239.3/117

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.681+/-0.008 χ^2/NDF: 1982874.9/32

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 50.212+/-0.008 χ^2/NDF: 2648030.1/36

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

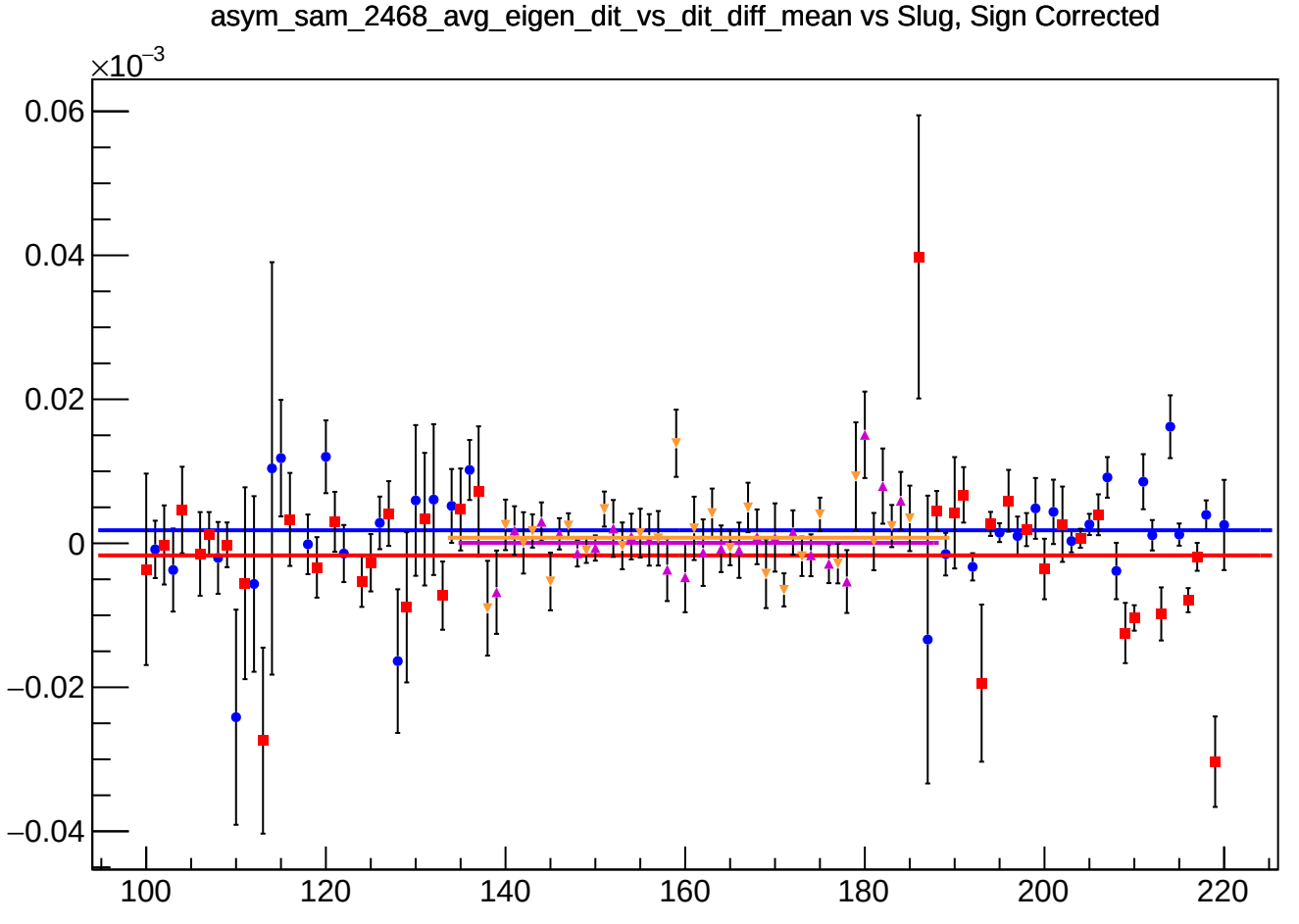
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 50.445+/-0.006 χ^2/NDF: 4632511.7/69

In: 51.484+/-0.006 χ^2/NDF:4561856.4/55

Out: 51.875+/-0.006 χ^2/NDF:5968393.8/61

All: 51.680+/-0.004 χ^2/NDF: 10532245.8/117



Right In: 0.000+/-0.000 χ^2/NDF: 55.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 123.9/36

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

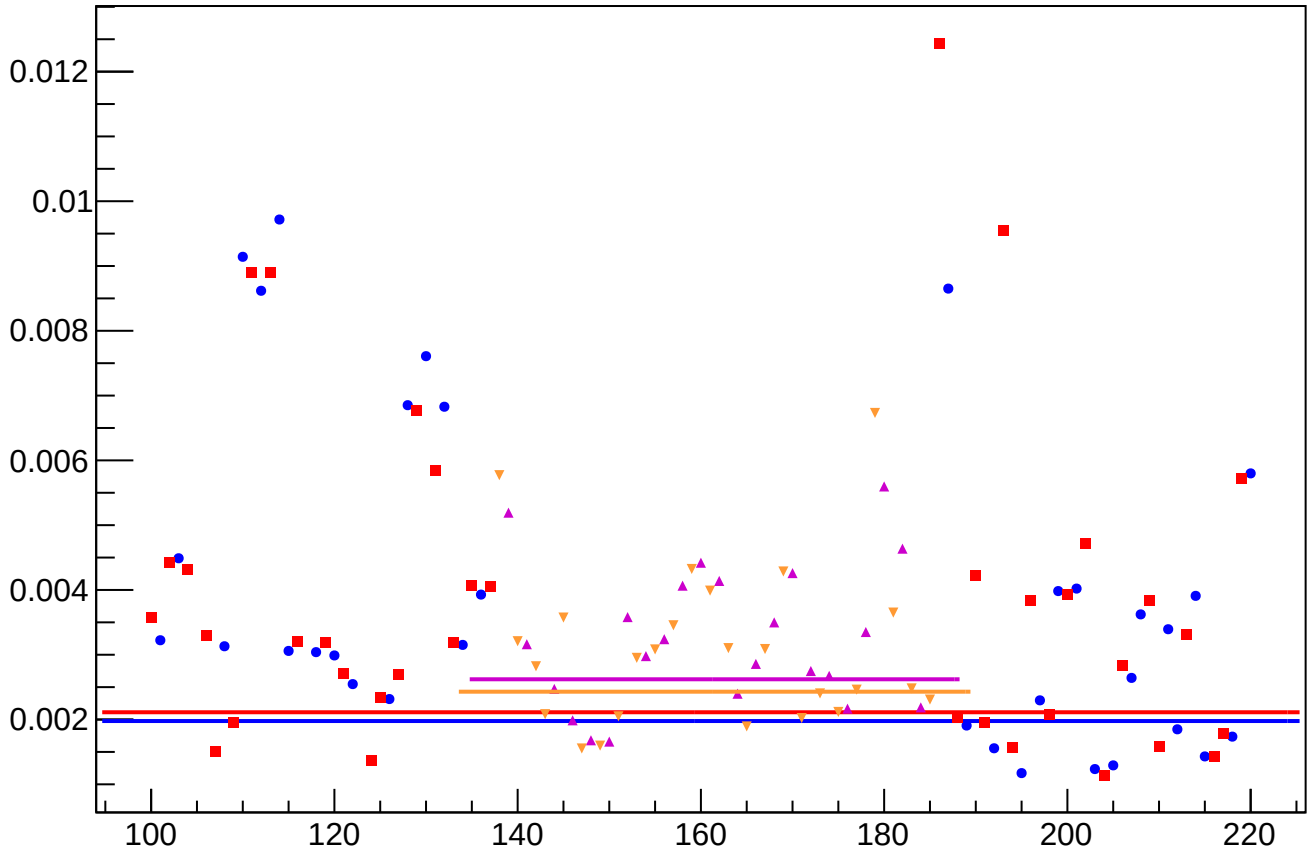
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 201.7/69

In: 0.000+/-0.000 χ^2/NDF:80.2/55

Out: -0.000+/-0.000 χ^2/NDF:171.4/61

All: 0.000+/-0.000 χ^2/NDF: 260.9/117



Right In: 0.002+/-0.000 χ^2/NDF: 9235004.7/32

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9457235.5/36

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

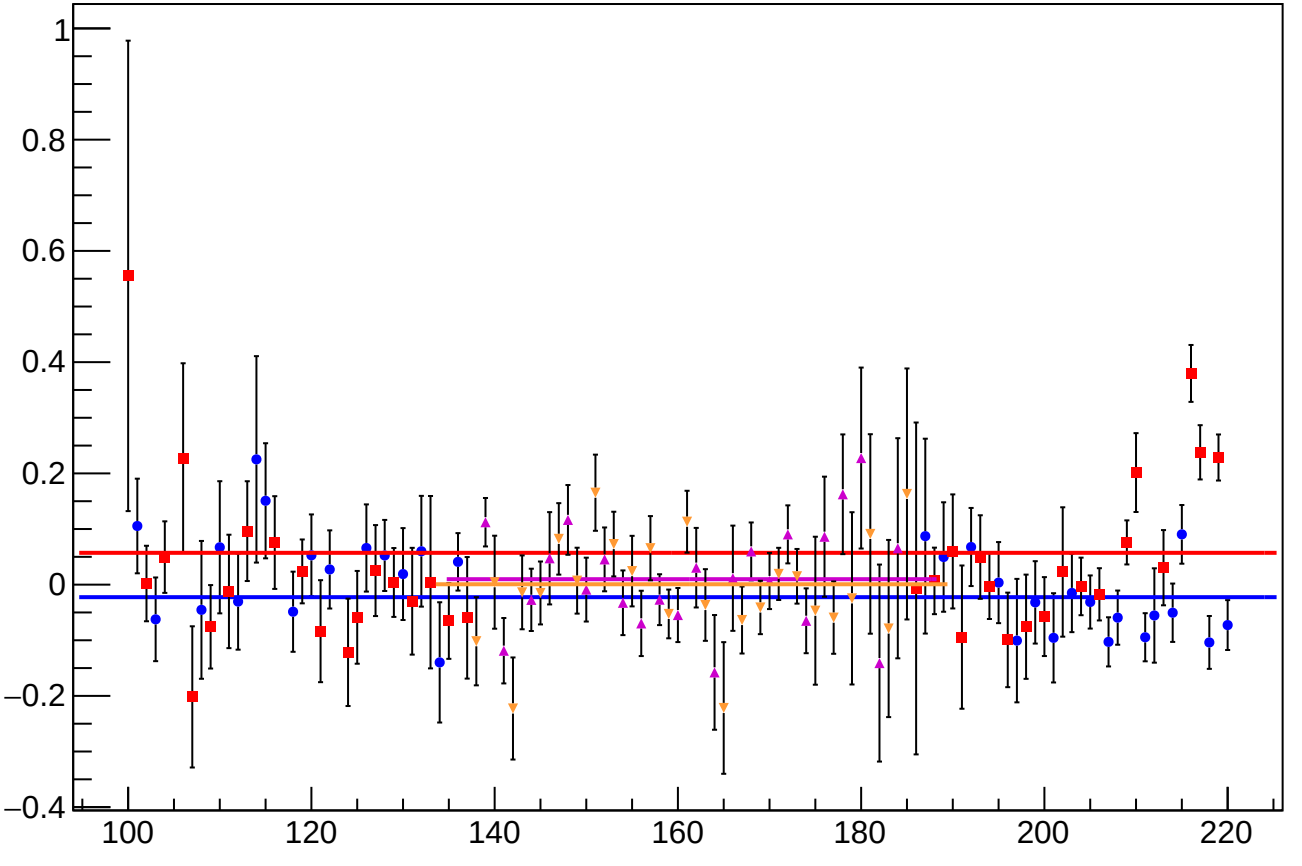
Right: 0.002+/-0.000 χ^2/NDF: 18759189.2/69

In: 0.002+/-0.000 χ^2/NDF:14381524.1/55

Out: 0.002+/-0.000 χ^2/NDF:13992100.6/61

All: 0.002+/-0.000 χ^2/NDF: 28382691.3/117

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.012 χ^2/NDF: 35.7/32

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

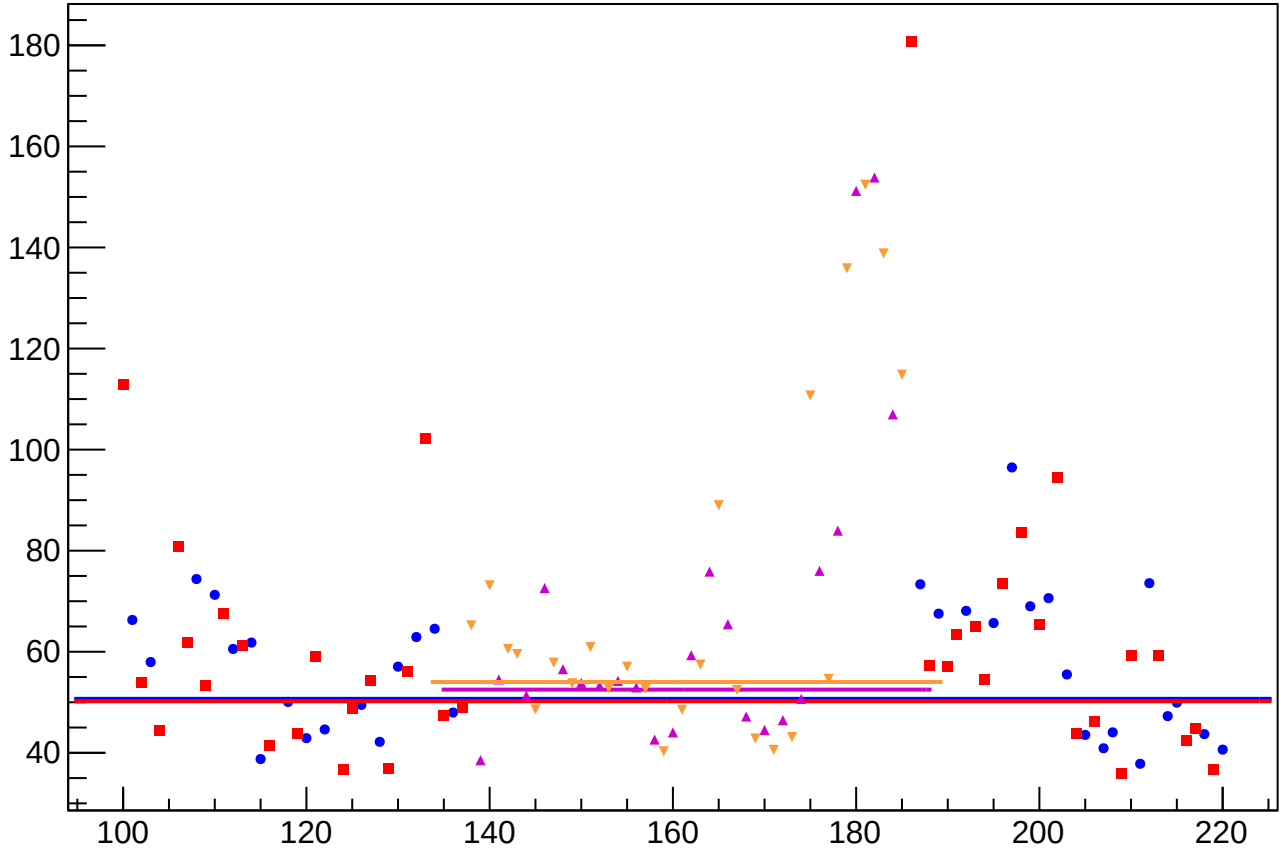
Right: 0.018+/-0.008 χ^2/NDF: 174.5/69

In: -0.008+/-0.009 χ^2/NDF:70.9/55

Out: 0.032+/-0.009 χ^2/NDF:157.5/61

All: 0.012+/-0.006 χ^2/NDF: 239.2/117

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.680+/-0.008 χ^2/NDF: 1982818.8/32

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

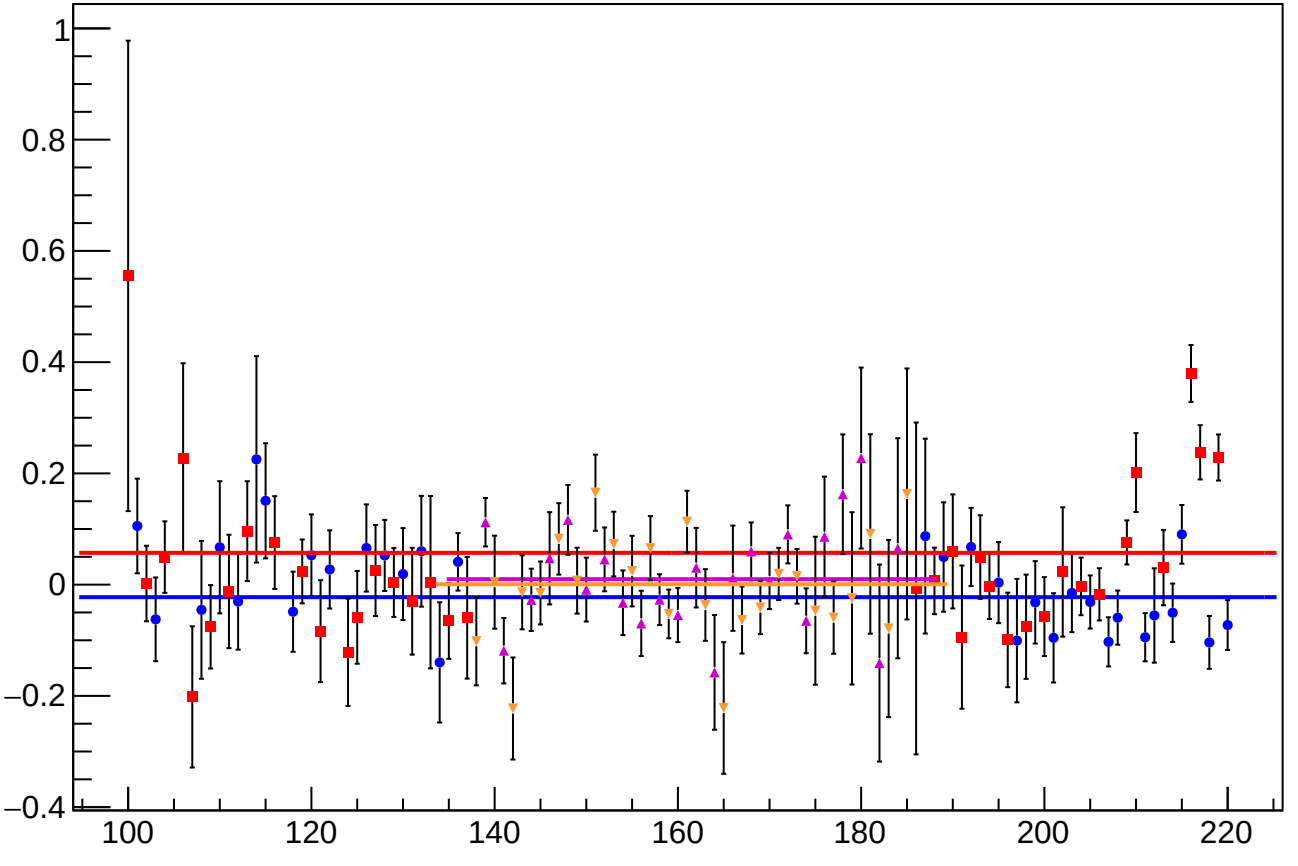
Right: 50.445+/-0.006 χ^2/NDF: 4632455.3/69

In: 51.484+/-0.006 χ^2/NDF:4561864.1/55

Out: 51.875+/-0.006 χ^2/NDF:5968455.6/61

All: 51.680+/-0.004 χ^2/NDF: 10532315.9/117

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.012 χ^2/NDF: 35.7/32

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

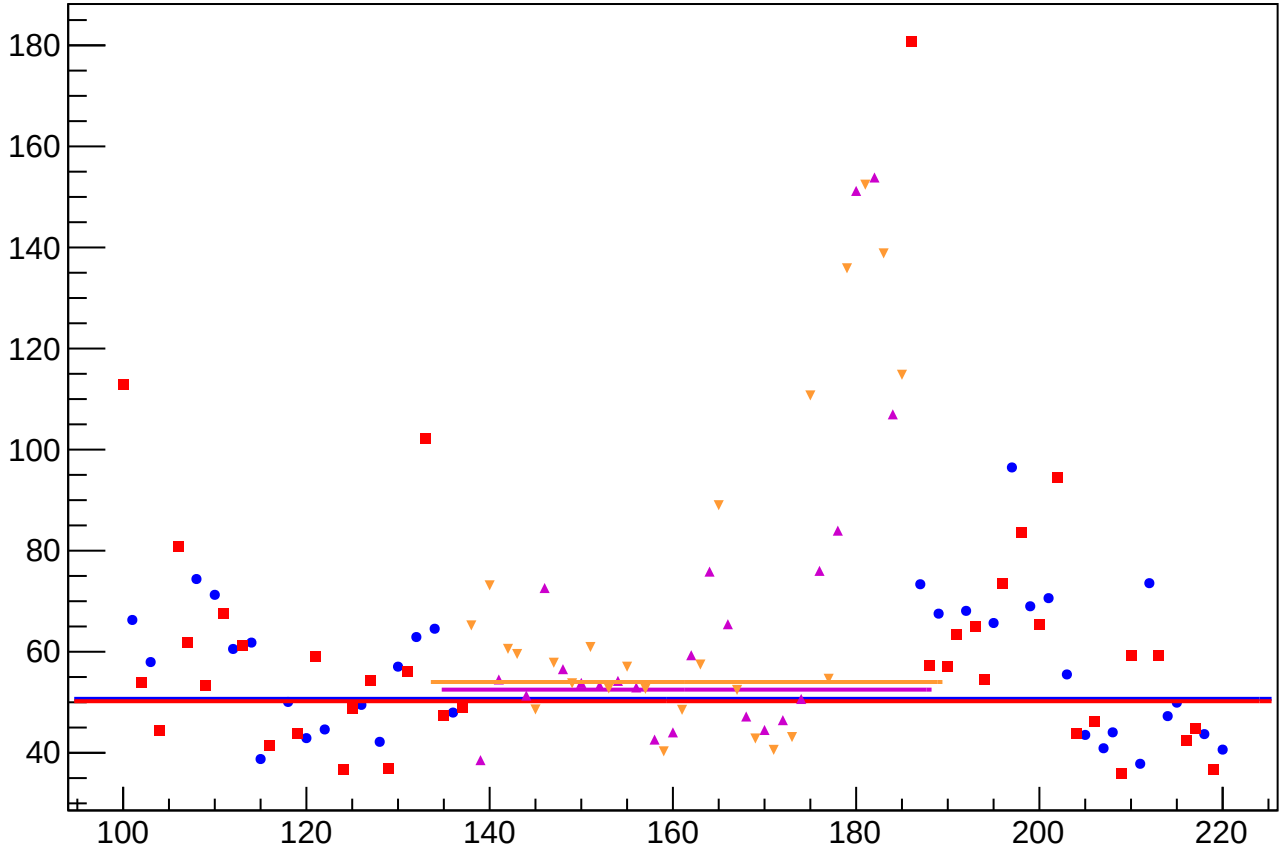
Right: 0.018+/-0.008 χ^2/NDF: 174.5/69

In: -0.008+/-0.009 χ^2/NDF:70.9/55

Out: 0.032+/-0.009 χ^2/NDF:157.5/61

All: 0.012+/-0.006 χ^2/NDF: 239.2/117

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.680+/-0.008 χ^2/NDF: 1982818.8/32

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

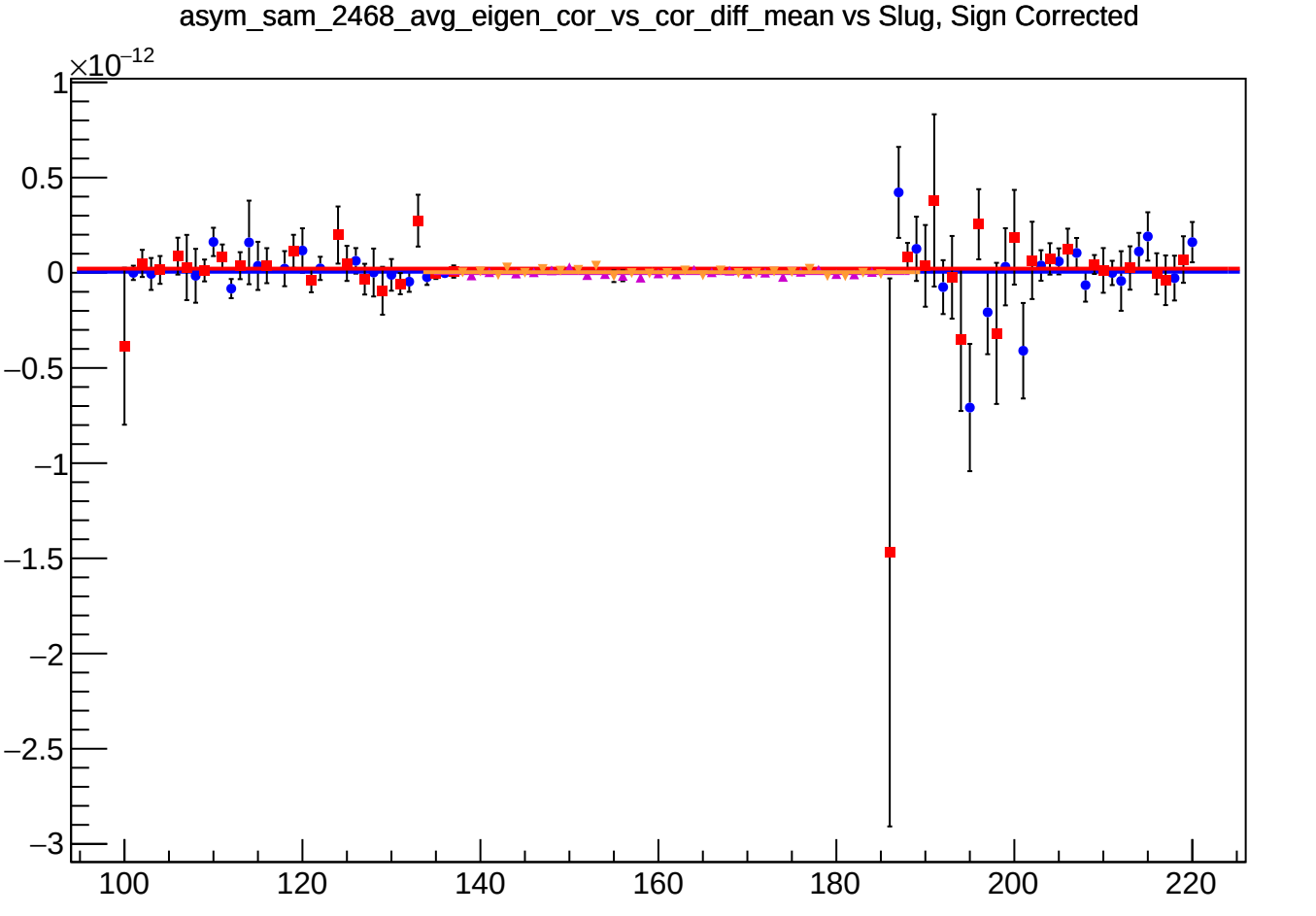
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

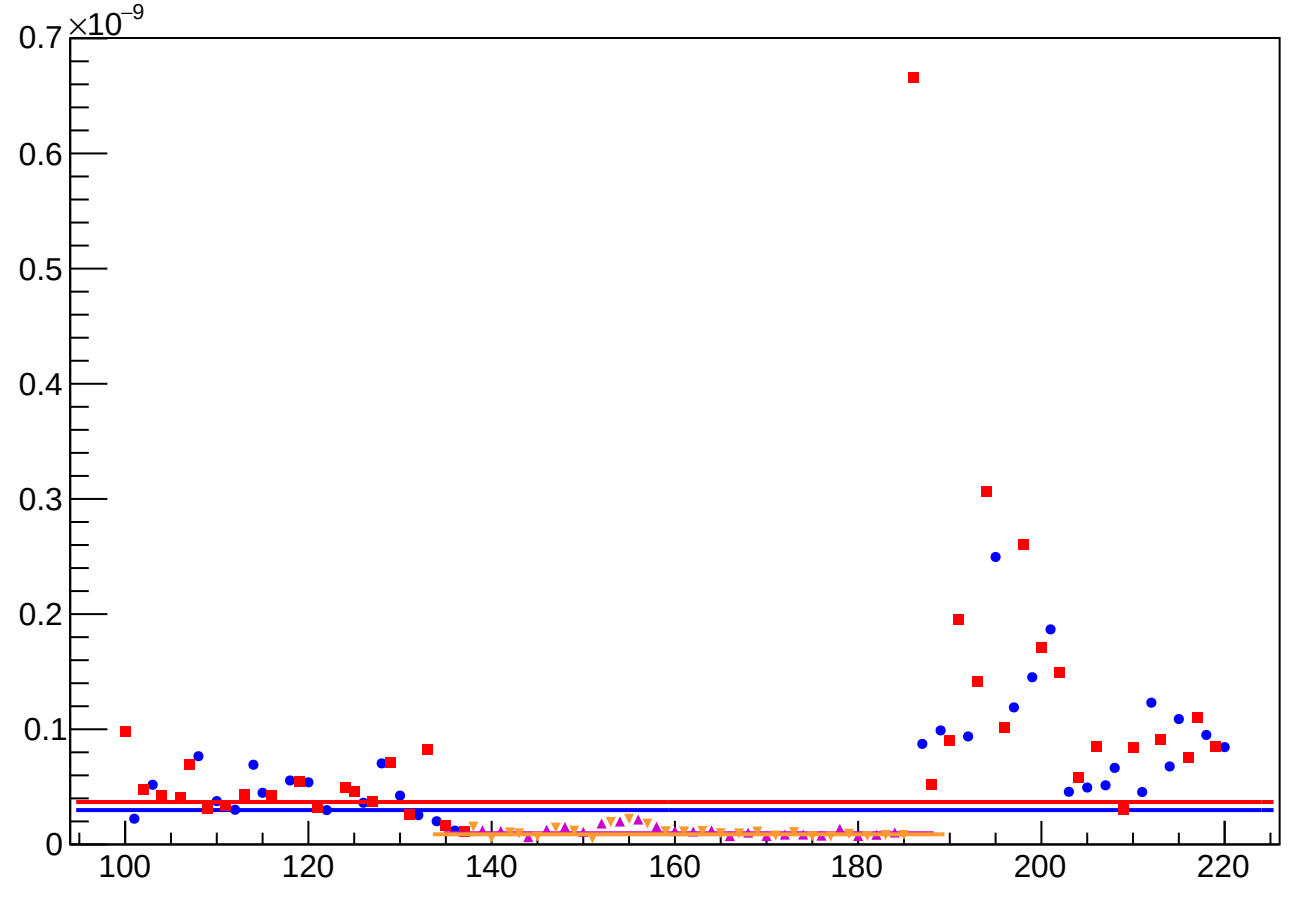
Right: 50.445+/-0.006 χ^2/NDF: 4632455.3/69

In: 51.484+/-0.006 χ^2/NDF:4561864.1/55

Out: 51.875+/-0.006 χ^2/NDF:5968455.6/61

All: 51.680+/-0.004 χ^2/NDF: 10532315.9/117


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 32.4/32
Left Out: 0.000+/-0.000 χ²/NDF:21.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.5/36
Left In: -0.000+/-0.000 χ²/NDF:15.3/22
Left: 0.000+/-0.000 χ²/NDF: 38.5/47
Right: 0.000+/-0.000 χ²/NDF: 55.8/69
In: -0.000+/-0.000 χ²/NDF:48.0/55
Out: 0.000+/-0.000 χ²/NDF:46.4/61
All: 0.000+/-0.000 χ²/NDF: 96.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 10736063.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10188114.6/36

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

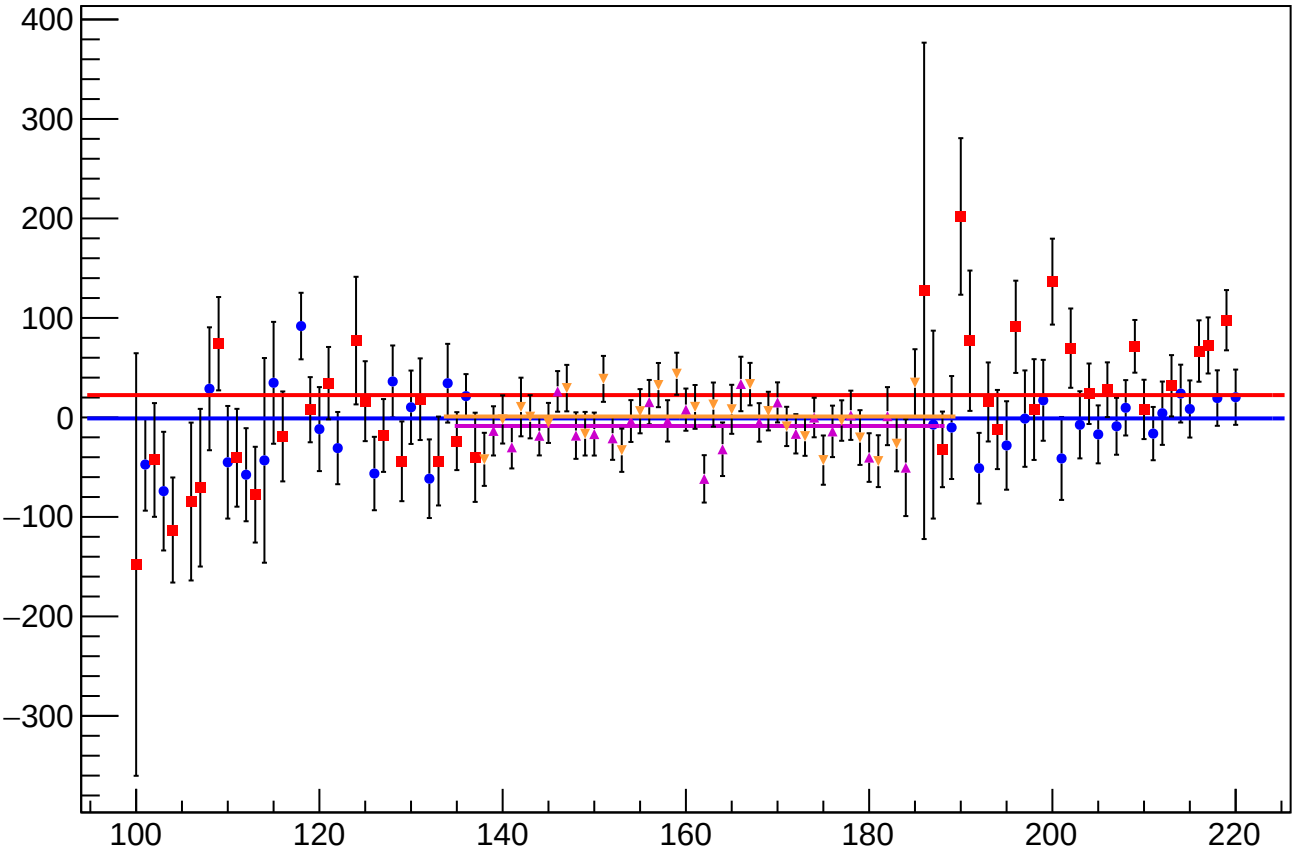
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21270393.5/69

In: 0.000+/-0.000 χ^2/NDF:19417229.9/55

Out: 0.000+/-0.000 χ^2/NDF:21880196.3/61

All: 0.000+/-0.000 χ^2/NDF: 41461500.1/117



Right In: -0.990+/-6.296 χ^2/NDF: 27.8/32

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 22.447+/-6.558 χ^2/NDF: 66.1/36

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

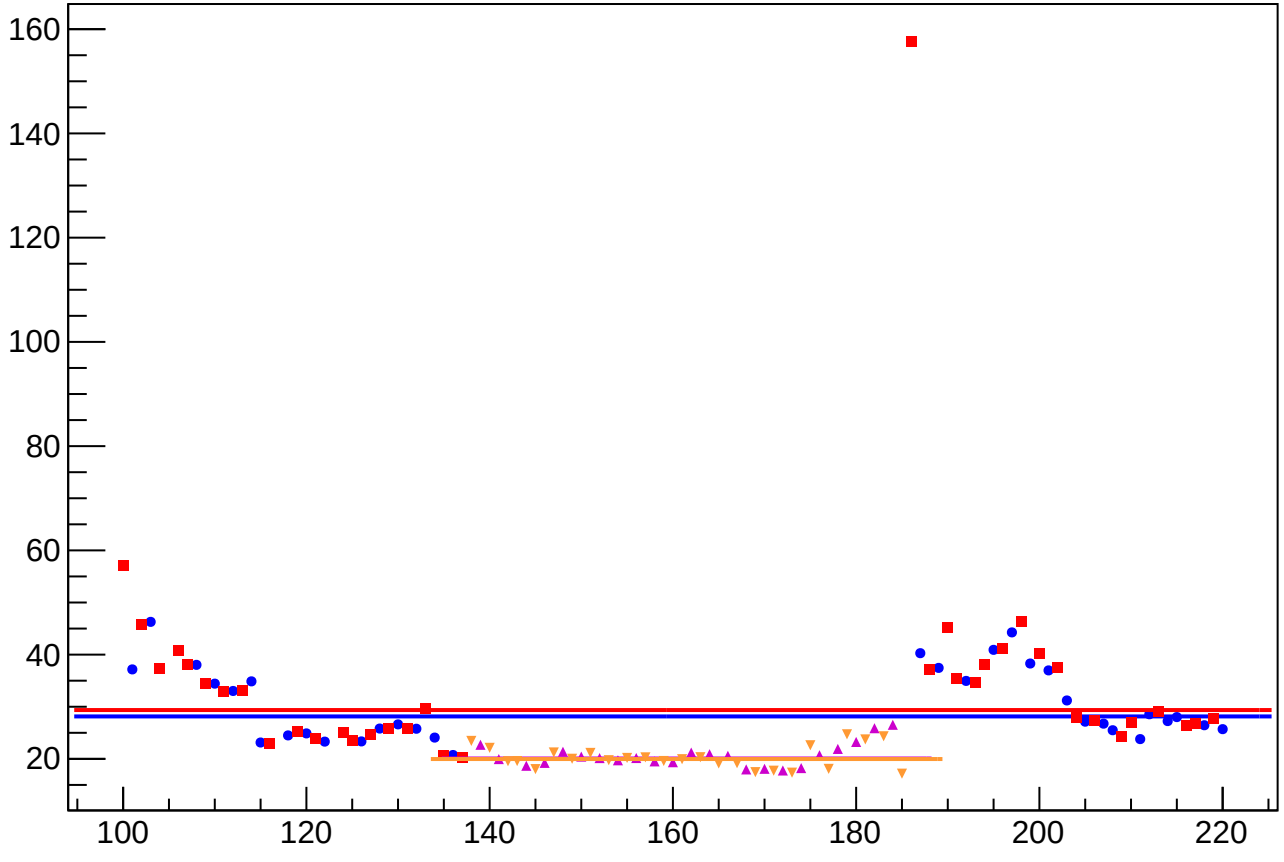
Right: 10.251+/-4.542 χ^2/NDF: 100.5/69

In: -5.859+/-3.778 χ^2/NDF:48.1/55

Out: 7.963+/-3.752 χ^2/NDF:102.6/61

All: 1.101+/-2.662 χ^2/NDF: 157.4/117

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 28.143+/-0.004 χ^2/NDF: 1640747.9/32

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.367+/-0.005 χ^2/NDF: 2395717.9/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

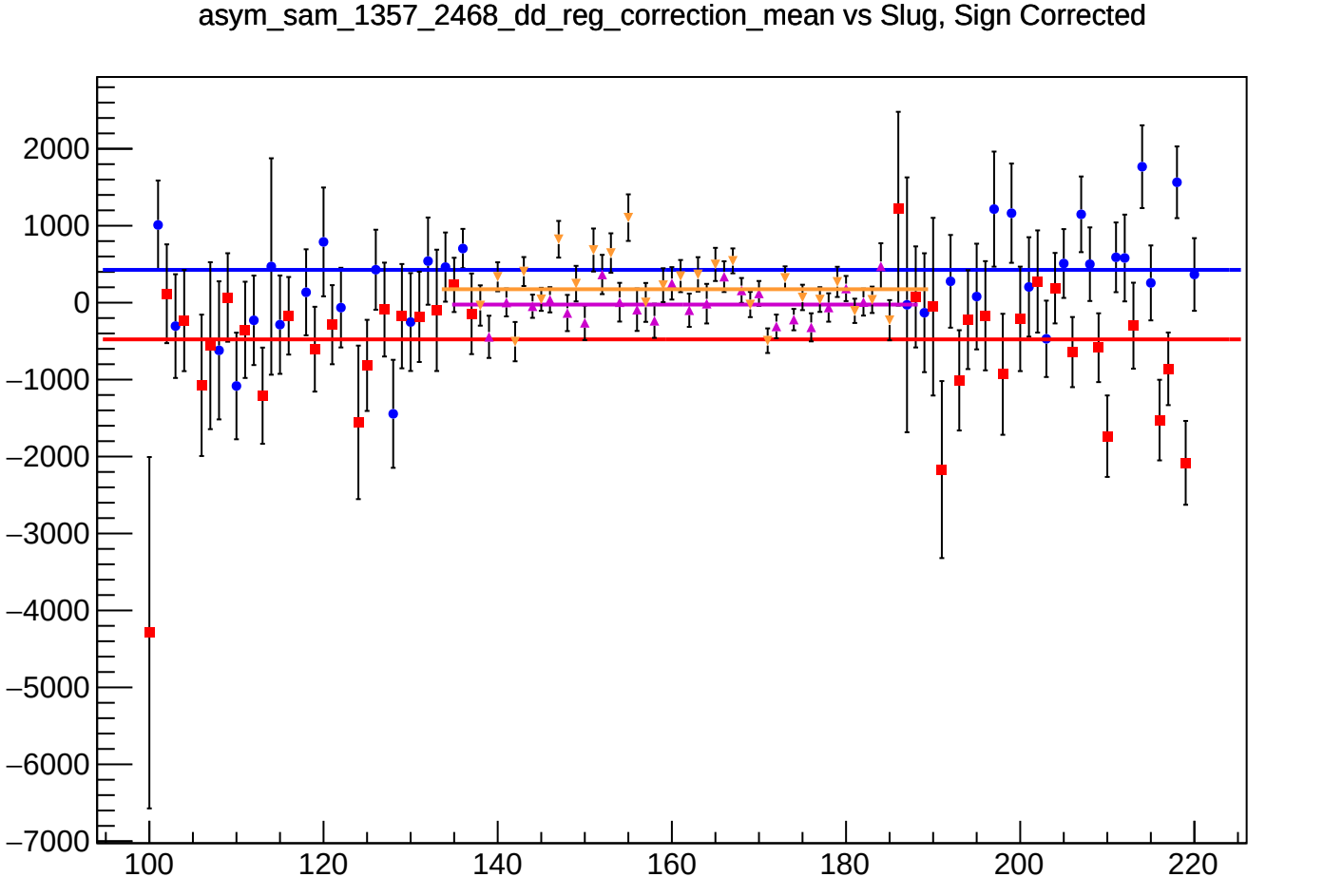
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 28.730+/-0.003 χ^2/NDF: 4072692.4/69

In: 22.979+/-0.003 χ^2/NDF:4045327.7/55

Out: 23.044+/-0.003 χ^2/NDF:5545759.4/61

All: 23.012+/-0.002 χ^2/NDF: 9591386.1/117



Right In: 426.110+/-94.994 χ^2/NDF: 43.2/32

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -477.098+/-99.416 χ^2/NDF: 43.1/36

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

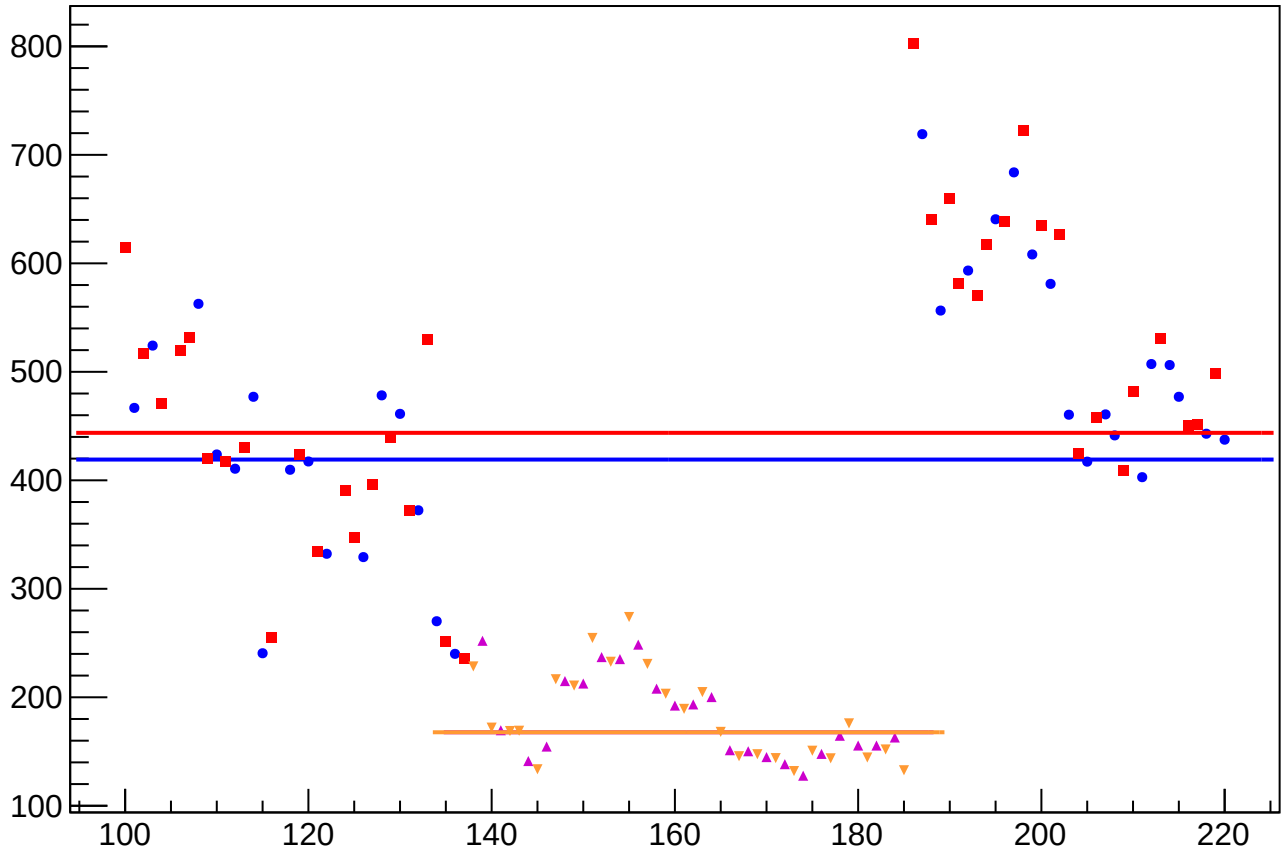
Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

Right: -4.961+/-68.681 χ^2/NDF: 129.4/69

In: 43.491+/-36.920 χ^2/NDF:89.2/55

Out: 87.575+/-36.346 χ^2/NDF:151.5/61

All: 65.878+/-25.901 χ^2/NDF: 241.4/117



Right In: 419.130+/-0.067 χ^2/NDF: 2855510.3/32

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 443.764+/-0.070 χ^2/NDF: 2954168.2/36

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

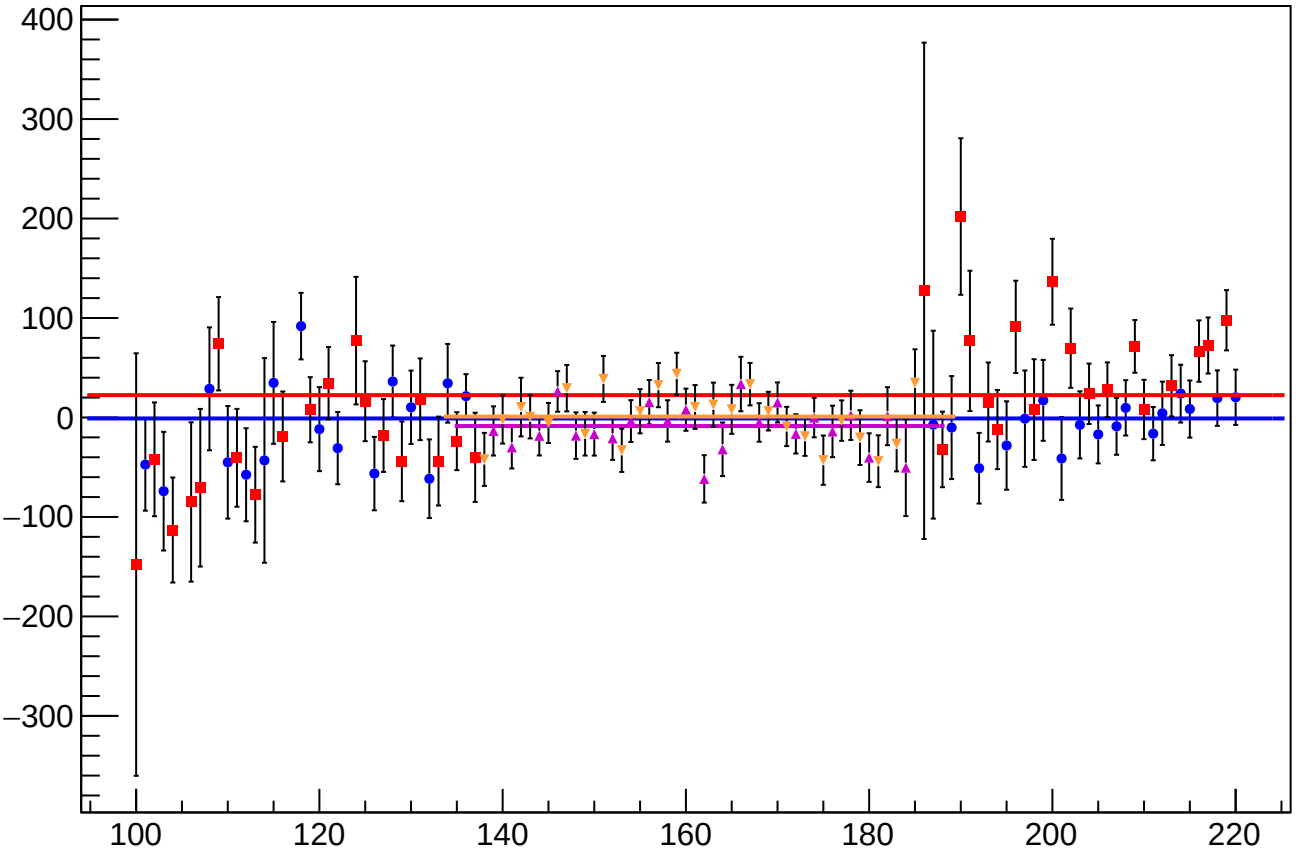
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 430.887+/-0.049 χ^2/NDF: 5873870.2/69

In: 205.720+/-0.026 χ^2/NDF:16148746.7/55

Out: 204.646+/-0.026 χ^2/NDF:17887801.6/61

All: 205.175+/-0.018 χ^2/NDF: 34037409.2/11



Right In: -0.988+/-6.296 χ^2/NDF: 27.7/32

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 22.468+/-6.559 χ^2/NDF: 66.1/36

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

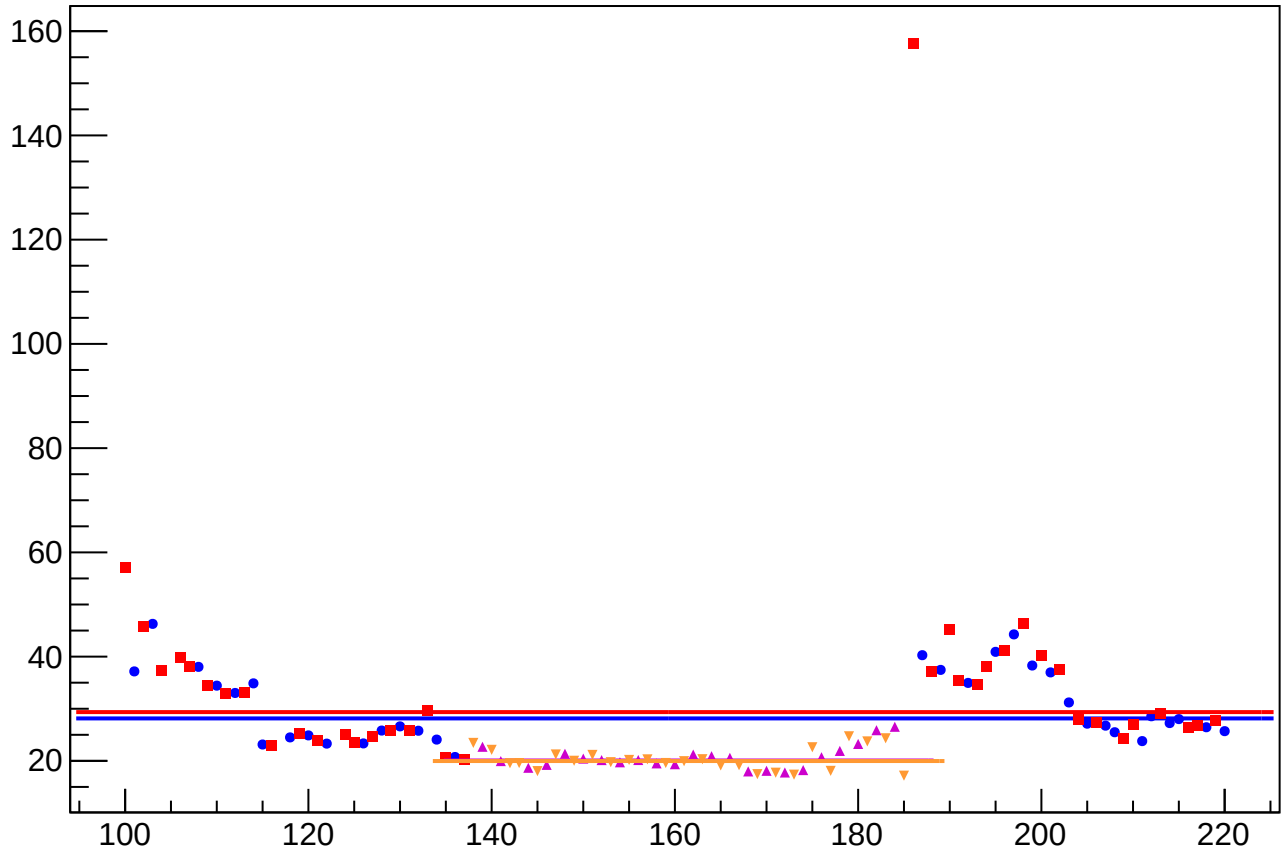
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 10.261+/-4.542 χ^2/NDF: 100.5/69

In: -5.859+/-3.778 χ^2/NDF:48.0/55

Out: 7.968+/-3.752 χ^2/NDF:102.6/61

All: 1.103+/-2.662 χ^2/NDF: 157.4/117



Right In: 28.143+/-0.004 χ^2/NDF: 1640751.2/32

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

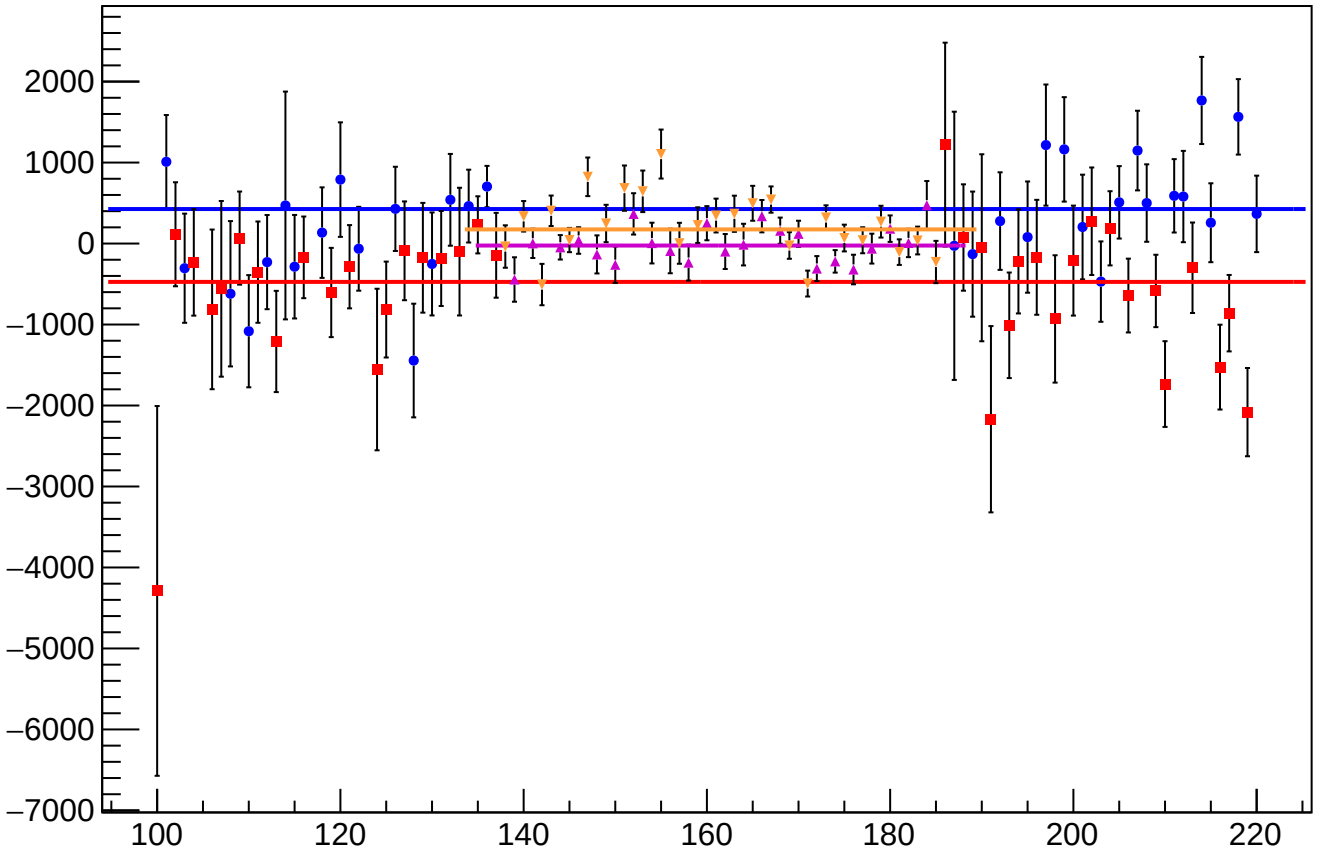
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.726+/-0.003 χ^2/NDF: 4064260.2/69

In: 22.979+/-0.003 χ^2/NDF:4045331.1/55

Out: 23.041+/-0.003 χ^2/NDF:5532507.7/61

All: 23.010+/-0.002 χ^2/NDF: 9578109.9/117



Right In: 426.108+/-94.994 χ^2/NDF: 43.2/32

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

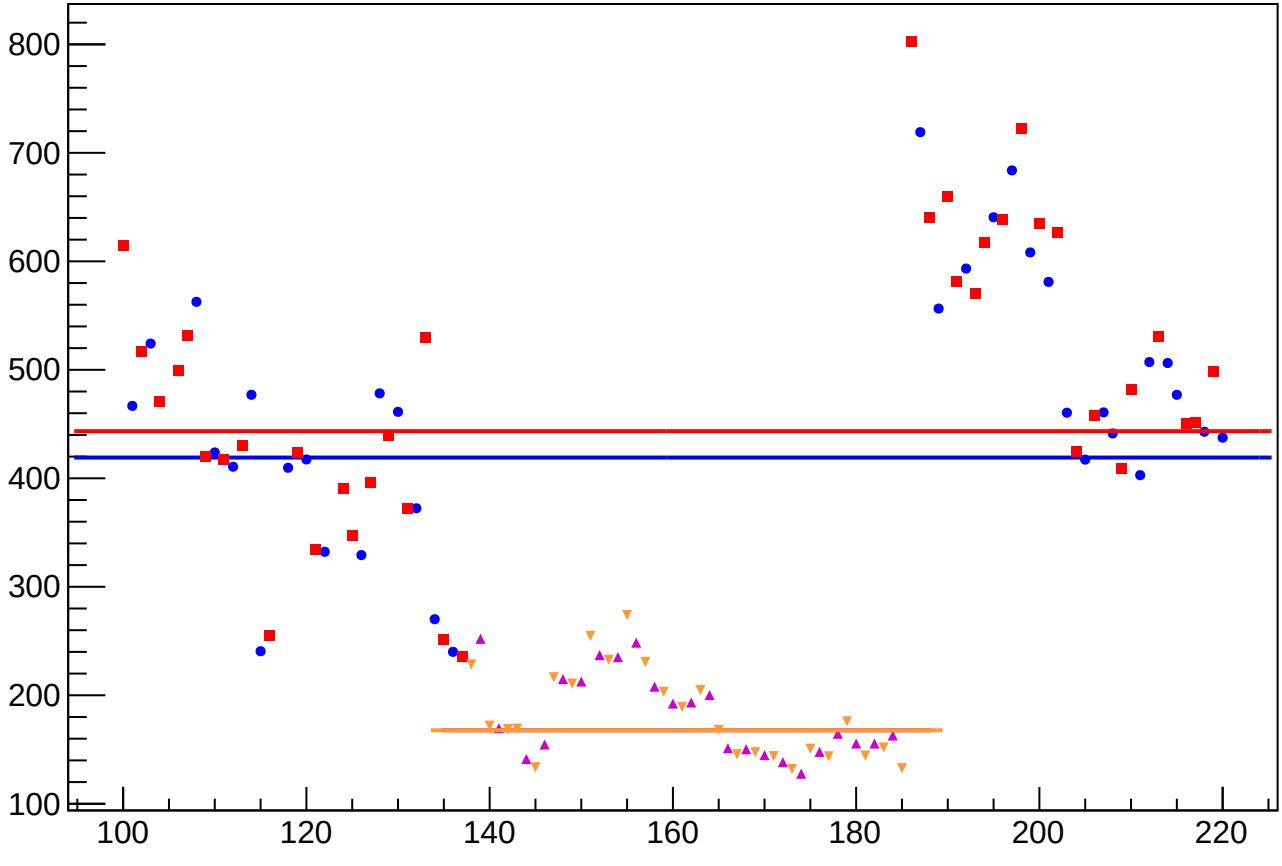
Right: -2.925+/-68.707 χ^2/NDF: 128.7/69

In: 43.490+/-36.920 χ^2/NDF:89.2/55

Out: 88.163+/-36.350 χ^2/NDF:150.8/61

All: 66.174+/-25.902 χ^2/NDF: 240.7/117

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 419.130+/-0.067 χ^2/NDF: 2855535.0/32

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

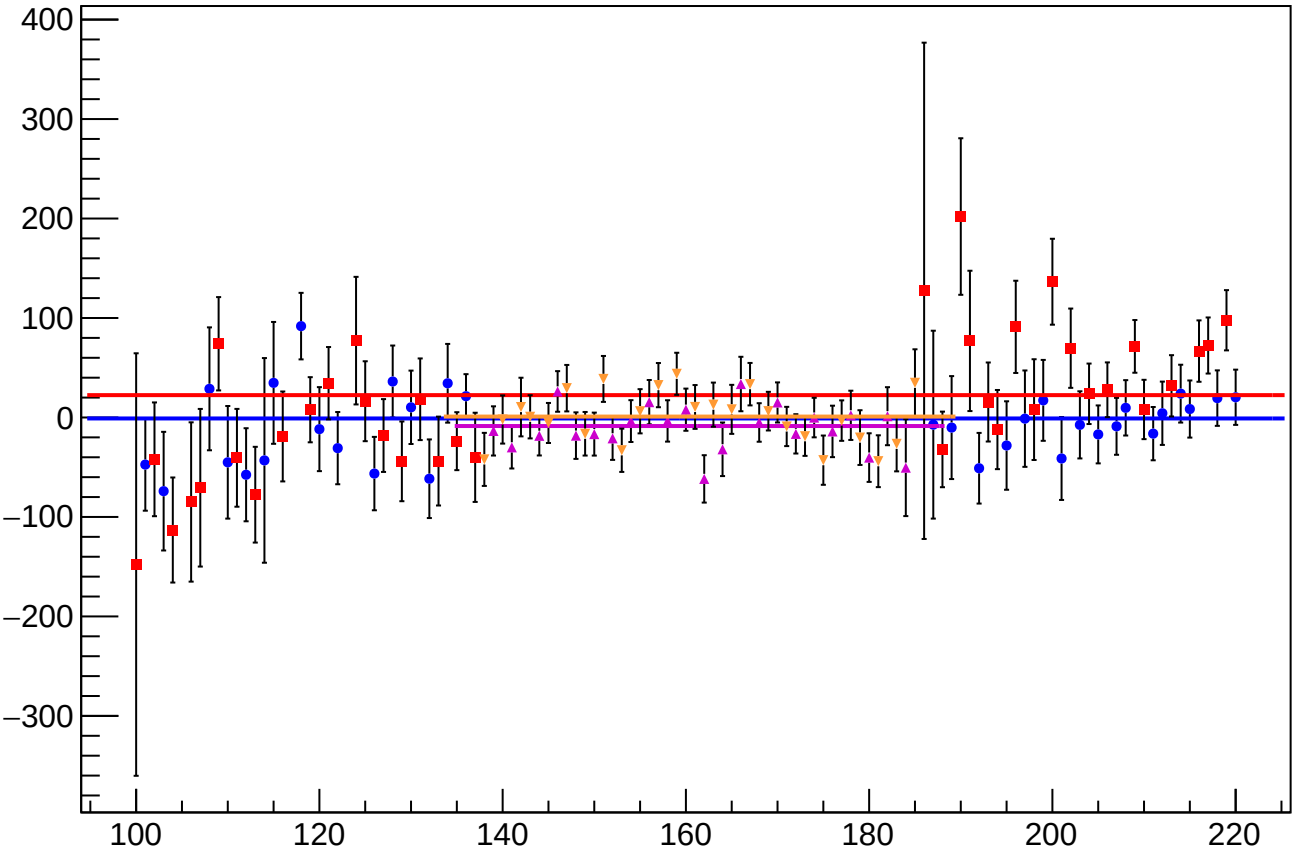
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 430.725+/-0.049 χ^2/NDF: 5864982.3/69

In: 205.721+/-0.026 χ^2/NDF:16148757.9/55

Out: 204.553+/-0.026 χ^2/NDF:17831558.8/61

All: 205.128+/-0.018 χ^2/NDF: 33981332.7/11



Right In: -0.988+/-6.296 χ^2/NDF: 27.7/32

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 22.468+/-6.559 χ^2/NDF: 66.1/36

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

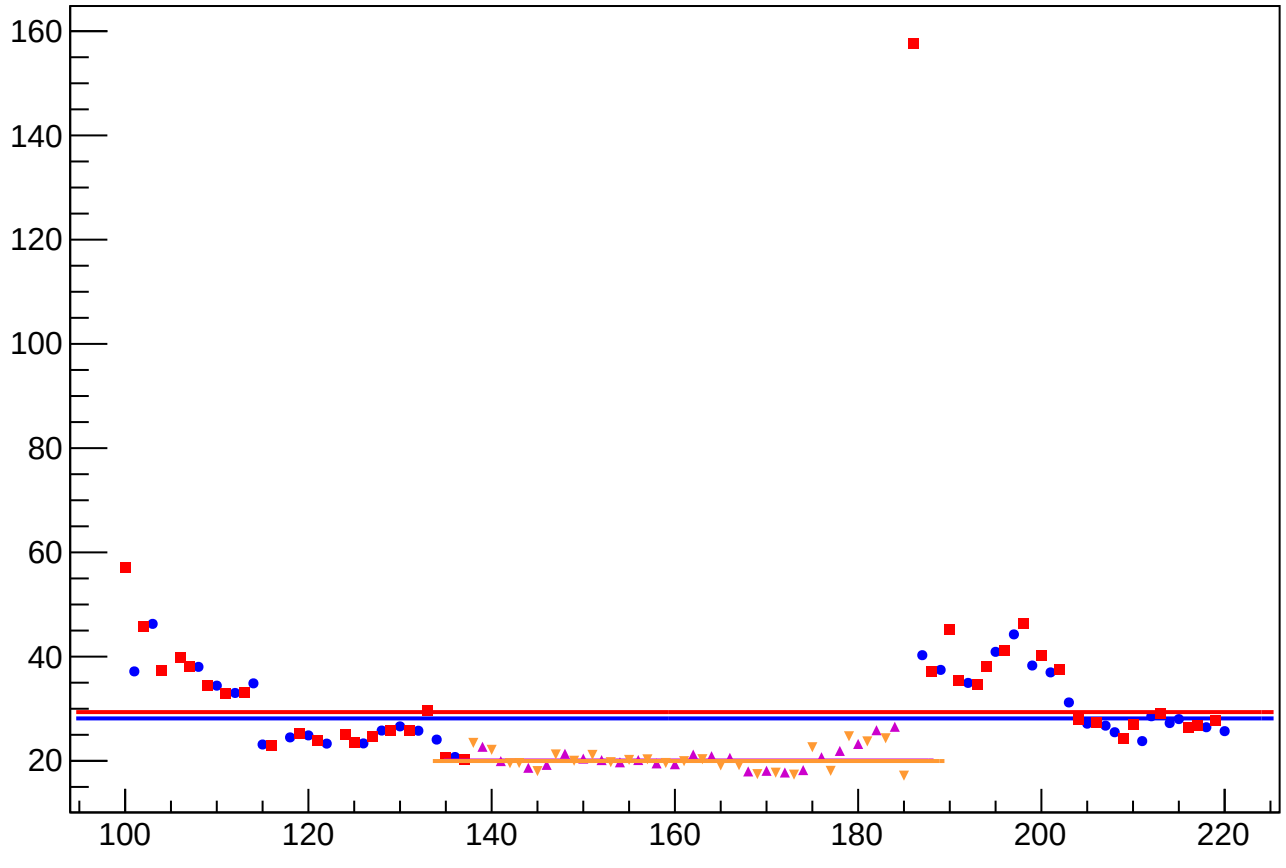
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 10.261+/-4.542 χ^2/NDF: 100.5/69

In: -5.859+/-3.778 χ^2/NDF:48.0/55

Out: 7.968+/-3.752 χ^2/NDF:102.6/61

All: 1.103+/-2.662 χ^2/NDF: 157.4/117



Right In: 28.143+/-0.004 χ^2/NDF: 1640751.2/32

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

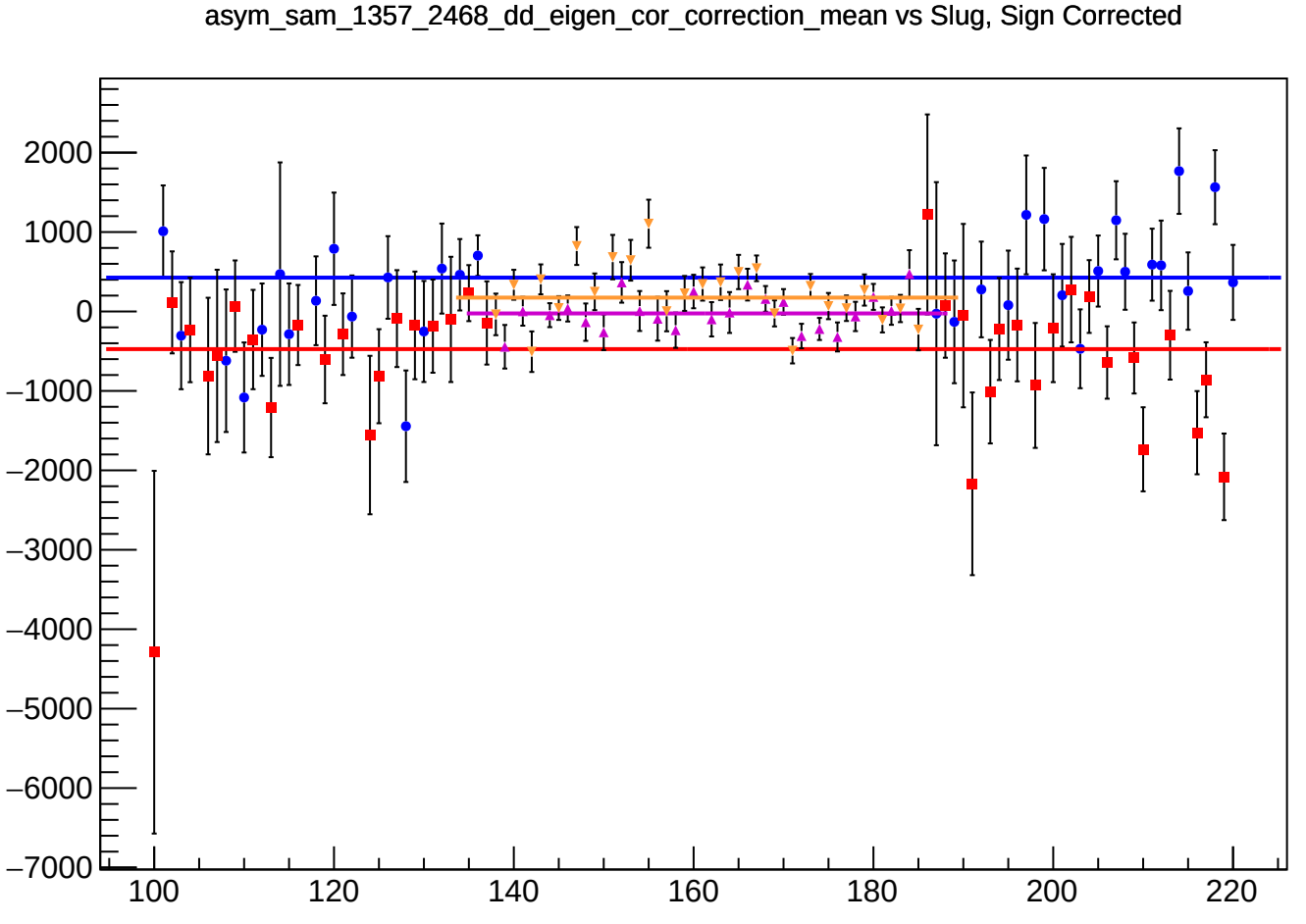
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.726+/-0.003 χ^2/NDF: 4064260.2/69

In: 22.979+/-0.003 χ^2/NDF:4045331.1/55

Out: 23.041+/-0.003 χ^2/NDF:5532507.7/61

All: 23.010+/-0.002 χ^2/NDF: 9578109.9/117



Right In: 426.108+/-94.994 χ^2/NDF: 43.2/32

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

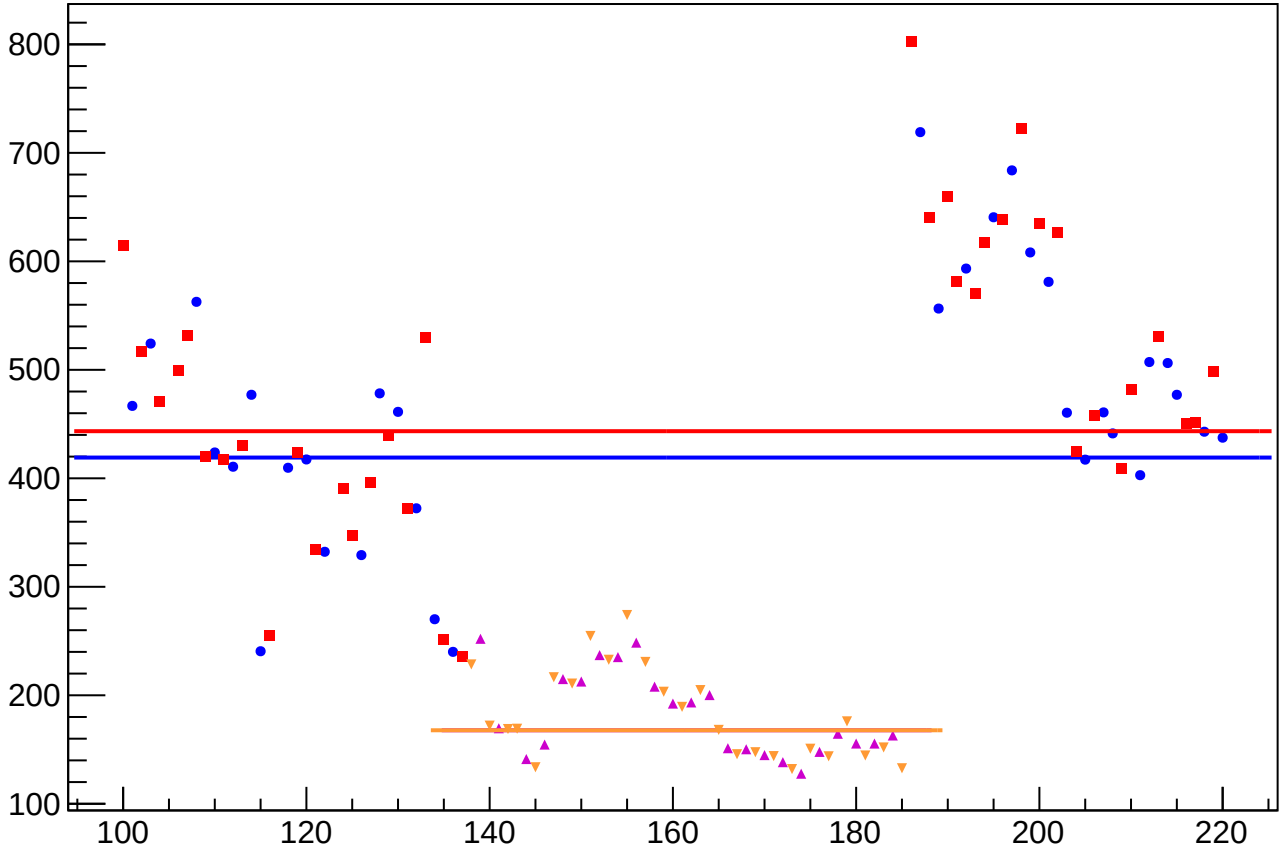
Right: -2.925+/-68.707 χ^2/NDF: 128.7/69

In: 43.490+/-36.920 χ^2/NDF:89.2/55

Out: 88.163+/-36.350 χ^2/NDF:150.8/61

All: 66.174+/-25.902 χ^2/NDF: 240.7/117

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 419.130+/-0.067 χ^2/NDF: 2855535.0/32

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

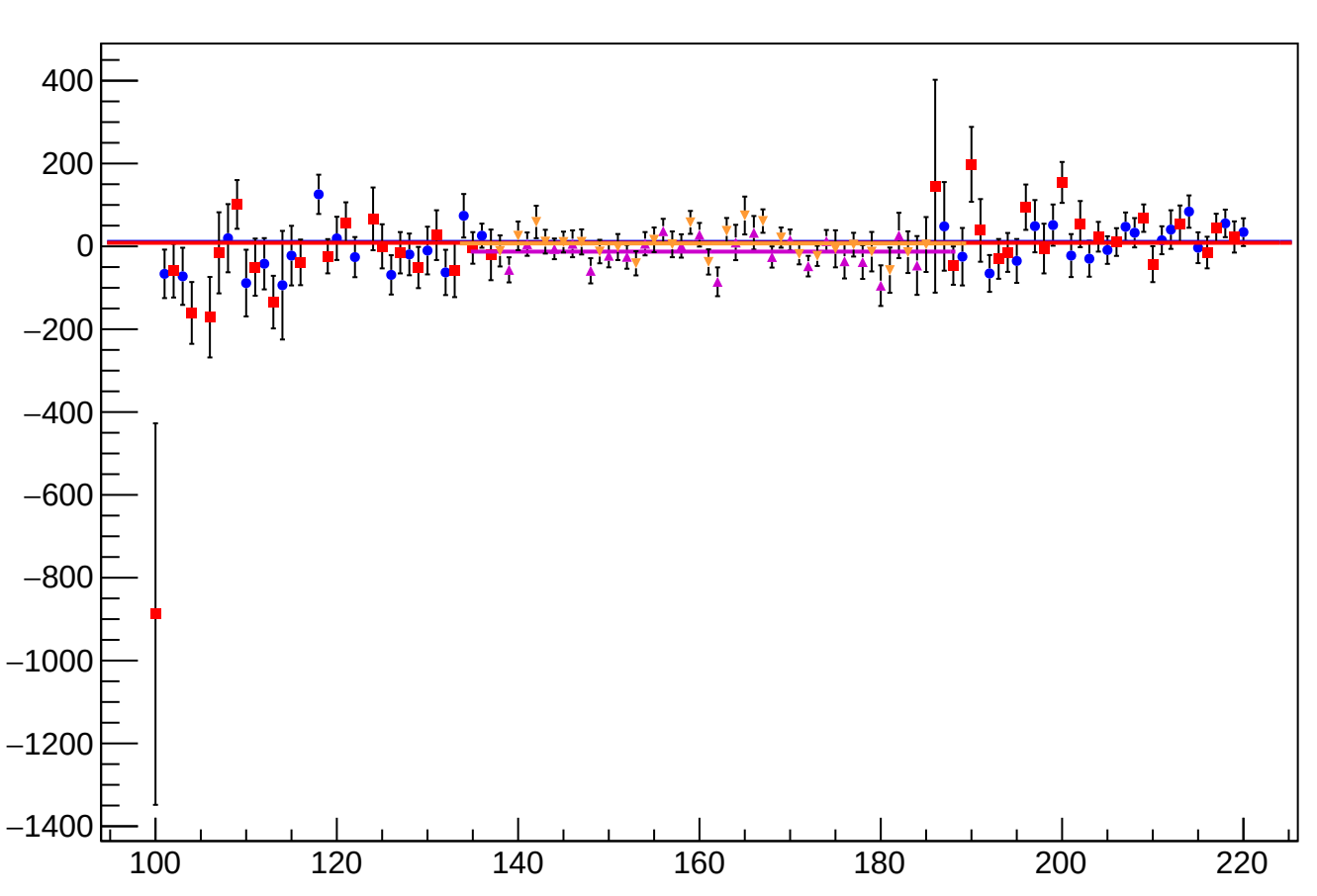
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 430.725+/-0.049 χ^2/NDF: 5864982.3/69

In: 205.721+/-0.026 χ^2/NDF:16148757.9/55

Out: 204.553+/-0.026 χ^2/NDF:17831558.8/61

All: 205.128+/-0.018 χ^2/NDF: 33981332.7/11



Right In: 10.846+/-8.072 χ^2/NDF: 34.2/32

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 8.579+/-8.357 χ^2/NDF: 54.2/36

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

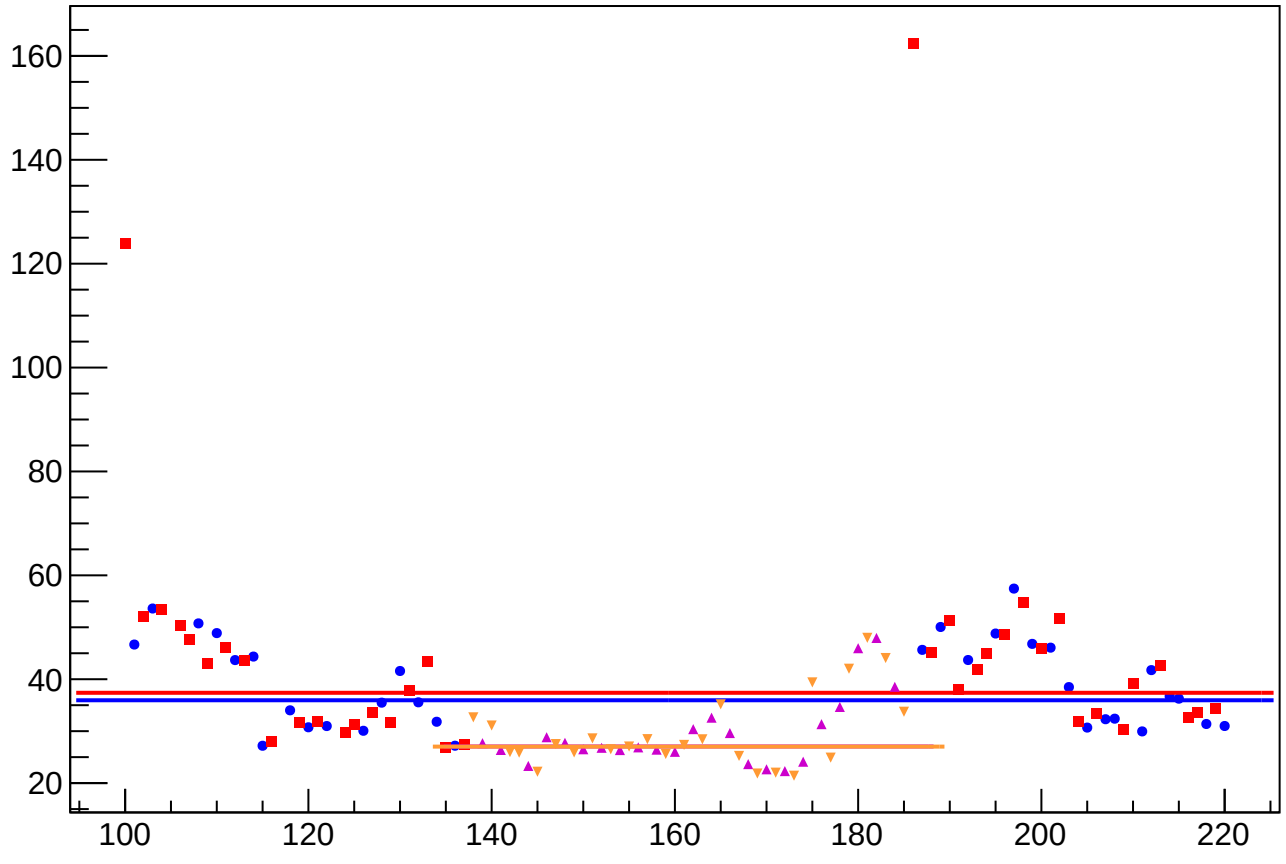
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 9.752+/-5.806 χ^2/NDF: 88.4/69

In: -3.413+/-5.069 χ^2/NDF:65.0/55

Out: 7.626+/-5.047 χ^2/NDF:76.9/61

All: 2.130+/-3.577 χ^2/NDF: 144.3/117



Right In: 35.948+/-0.006 χ^2/NDF: 1628878.5/32

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.387+/-0.006 χ^2/NDF: 2175270.0/36

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

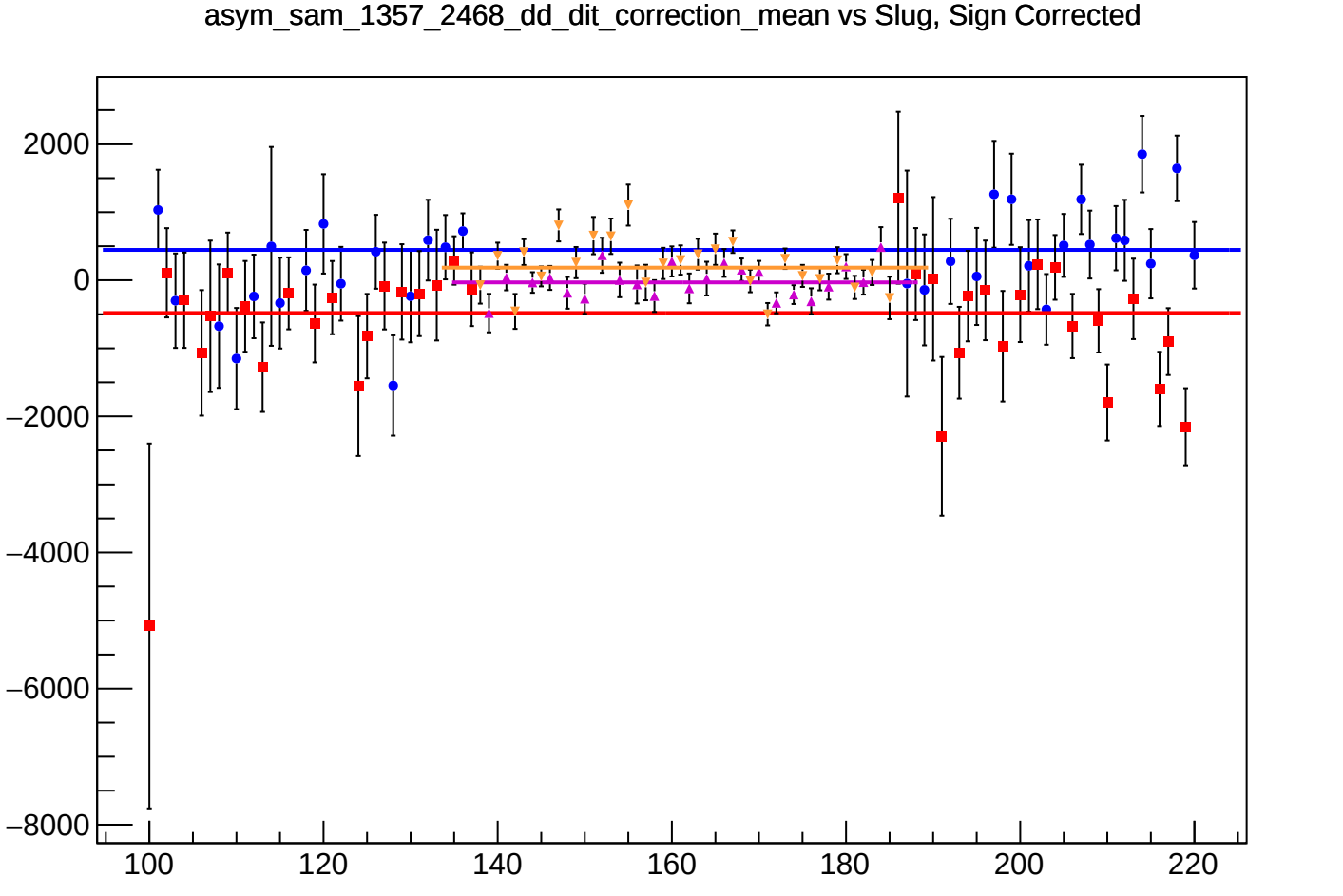
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 36.643+/-0.004 χ^2/NDF: 3834824.0/69

In: 30.560+/-0.004 χ^2/NDF:4144474.3/55

Out: 30.806+/-0.004 χ^2/NDF:5558589.5/61

All: 30.684+/-0.003 χ^2/NDF: 9705428.0/117



Right In: 445.657+/-98.833 χ^2/NDF: 43.0/32

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -481.453+/-103.108 χ^2/NDF: 44.2/36

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

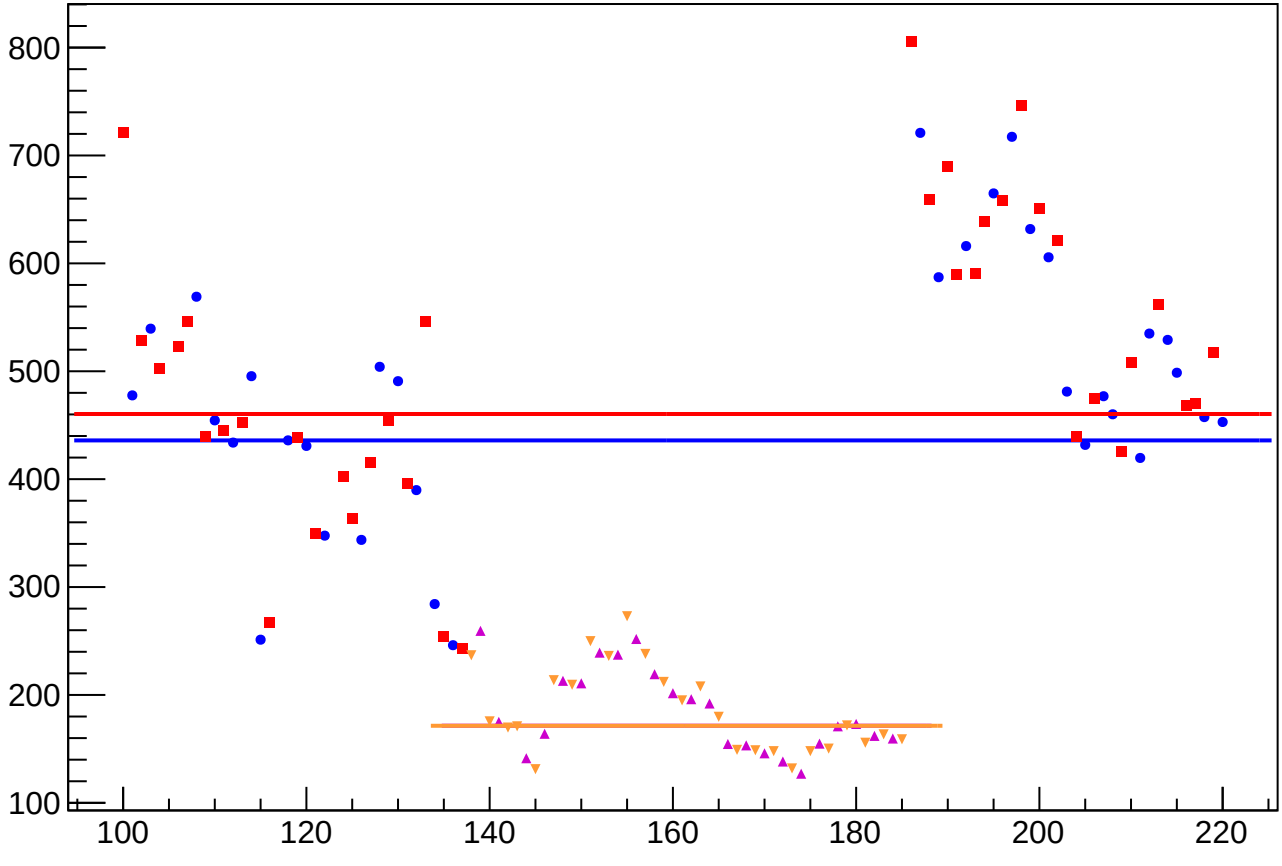
Right: 1.719+/-71.349 χ^2/NDF: 129.3/69

In: 38.152+/-37.851 χ^2/NDF:89.3/55

Out: 98.173+/-37.156 χ^2/NDF:148.2/61

All: 68.718+/-26.515 χ^2/NDF: 238.8/117

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 435.910+/-0.070 χ^2/NDF: 2905907.3/32

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 460.391+/-0.073 χ^2/NDF: 2942486.9/36

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

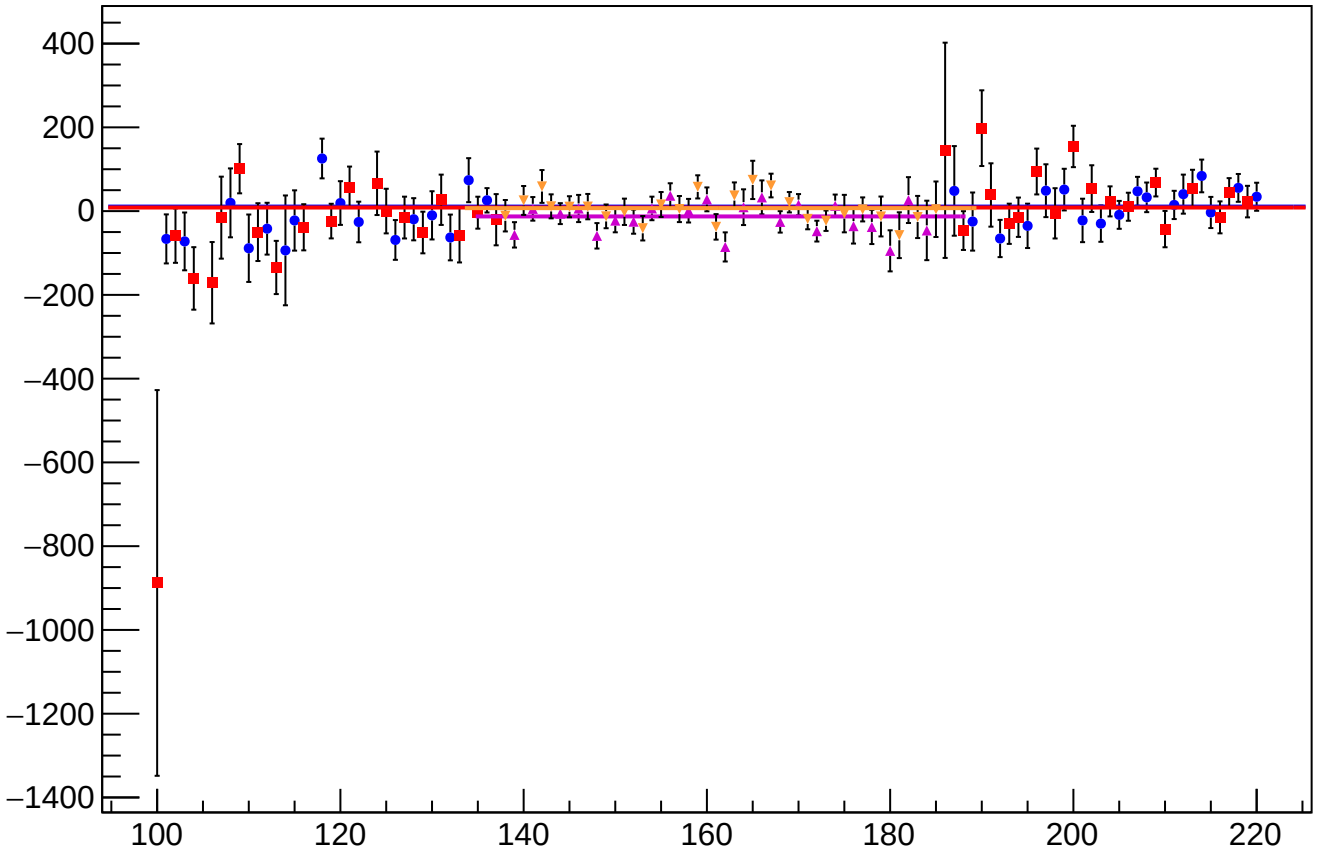
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 447.632+/-0.050 χ^2/NDF: 5907151.3/69

In: 210.273+/-0.027 χ^2/NDF:16537666.3/55

Out: 208.951+/-0.026 χ^2/NDF:18137882.7/61

All: 209.600+/-0.019 χ^2/NDF: 34676791.0/11



Right In: 10.844+/-8.072 χ^2/NDF: 34.2/32

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 8.580+/-8.357 χ^2/NDF: 54.2/36

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

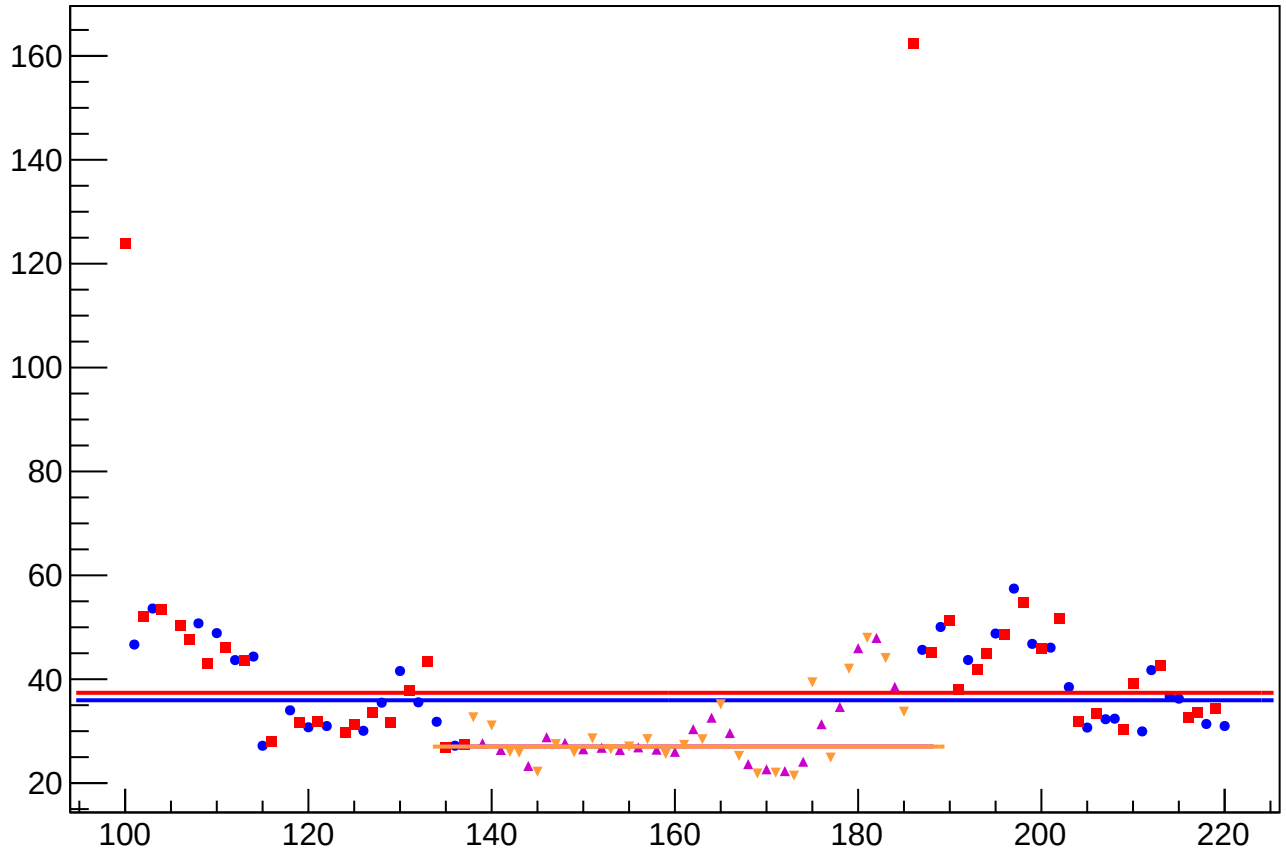
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 9.751+/-5.806 χ^2/NDF: 88.4/69

In: -3.414+/-5.069 χ^2/NDF:65.0/55

Out: 7.627+/-5.047 χ^2/NDF:76.9/61

All: 2.130+/-3.577 χ^2/NDF: 144.3/117



Right In: 35.948+/-0.006 χ^2/NDF: 1628883.7/32

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 37.387+/-0.006 χ^2/NDF: 2175244.0/36

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

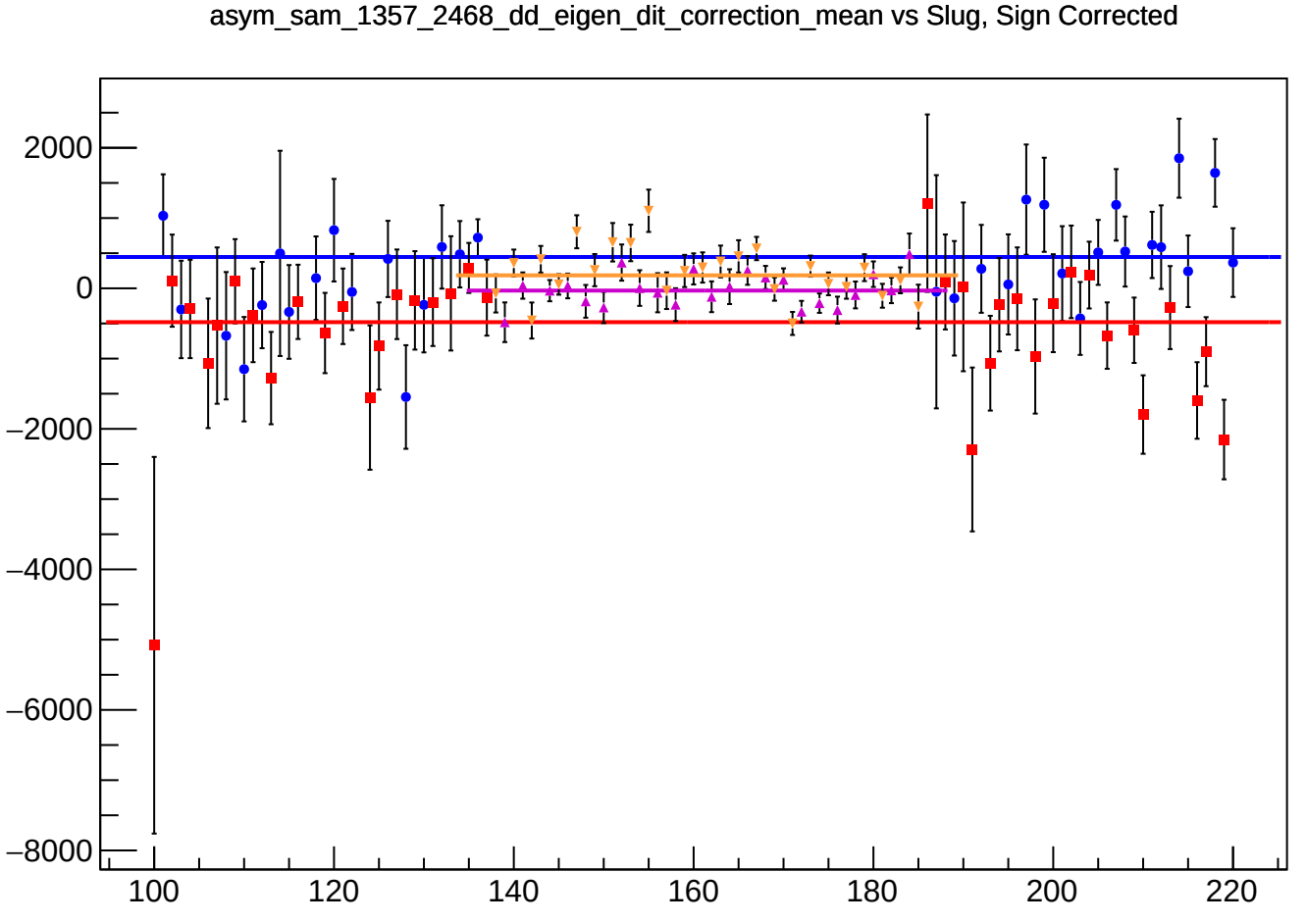
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 36.643+/-0.004 χ^2/NDF: 3834812.5/69

In: 30.560+/-0.004 χ^2/NDF:4144342.1/55

Out: 30.806+/-0.004 χ^2/NDF:5558499.6/61

All: 30.684+/-0.003 χ^2/NDF: 9705207.7/117



Right In: 445.655+/-98.833 χ^2/NDF: 43.0/32

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -481.452+/-103.108 χ^2/NDF: 44.2/36

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

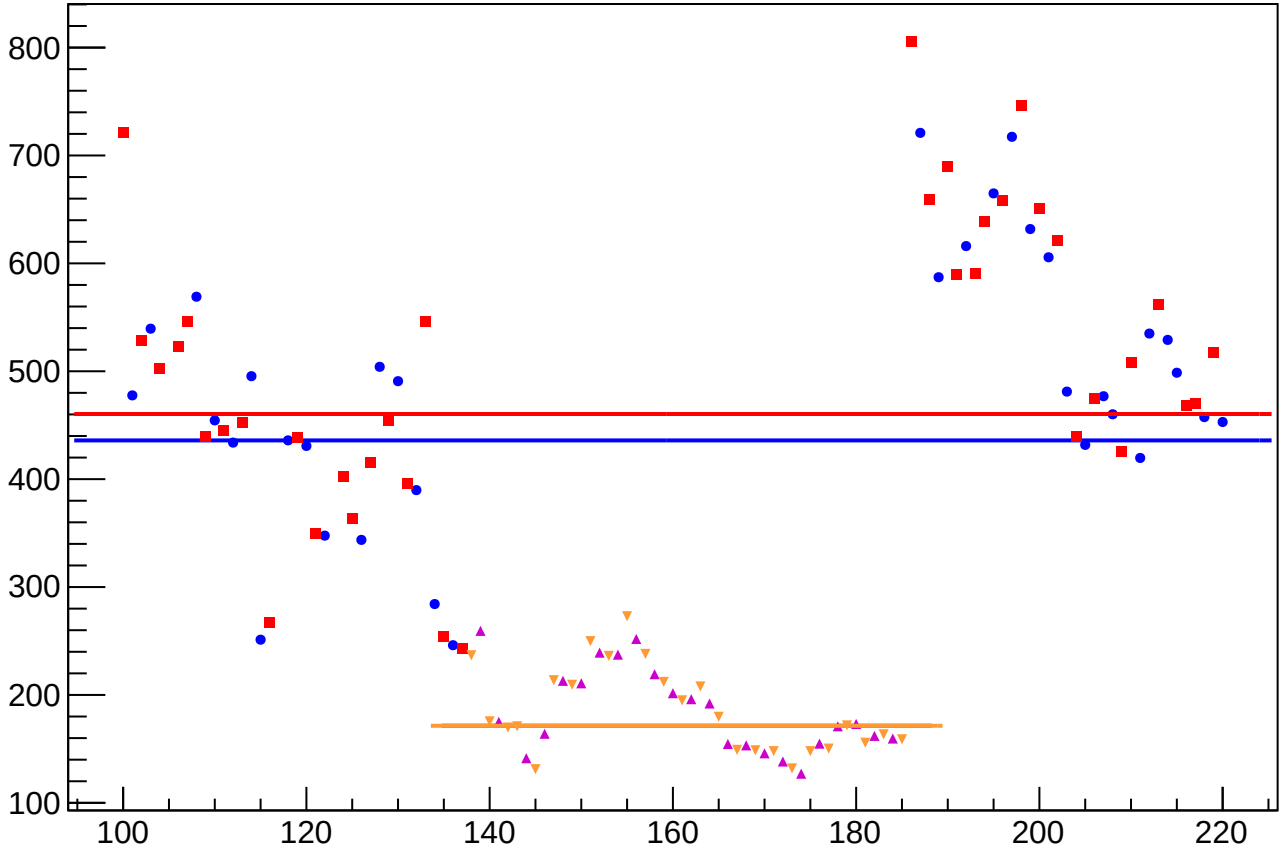
Right: 1.718+/-71.349 χ^2/NDF: 129.3/69

In: 38.151+/-37.851 χ^2/NDF:89.3/55

Out: 98.173+/-37.156 χ^2/NDF:148.2/61

All: 68.718+/-26.515 χ^2/NDF: 238.8/117

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 435.909+/-0.070 χ^2/NDF: 2905915.3/32

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 460.390+/-0.073 χ^2/NDF: 2942497.3/36

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

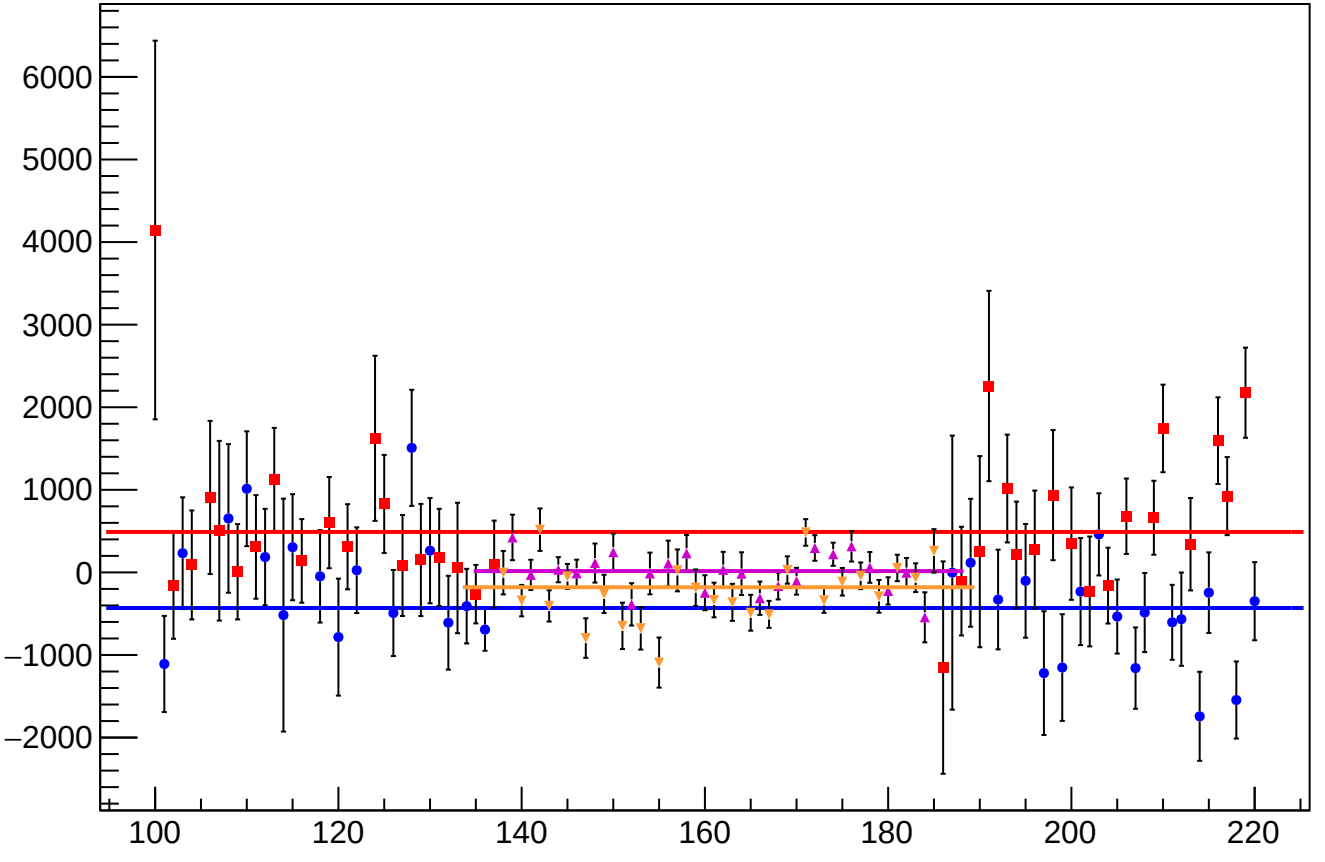
Right: 447.632+/-0.050 χ^2/NDF: 5907170.9/69

In: 210.272+/-0.027 χ^2/NDF:16537720.9/55

Out: 208.950+/-0.026 χ^2/NDF:18137945.2/61

All: 209.599+/-0.019 χ^2/NDF: 34676907.9/11

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -430.824+/-95.254 χ^2/NDF: 42.7/32

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 490.062+/-99.682 χ^2/NDF: 44.6/36

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

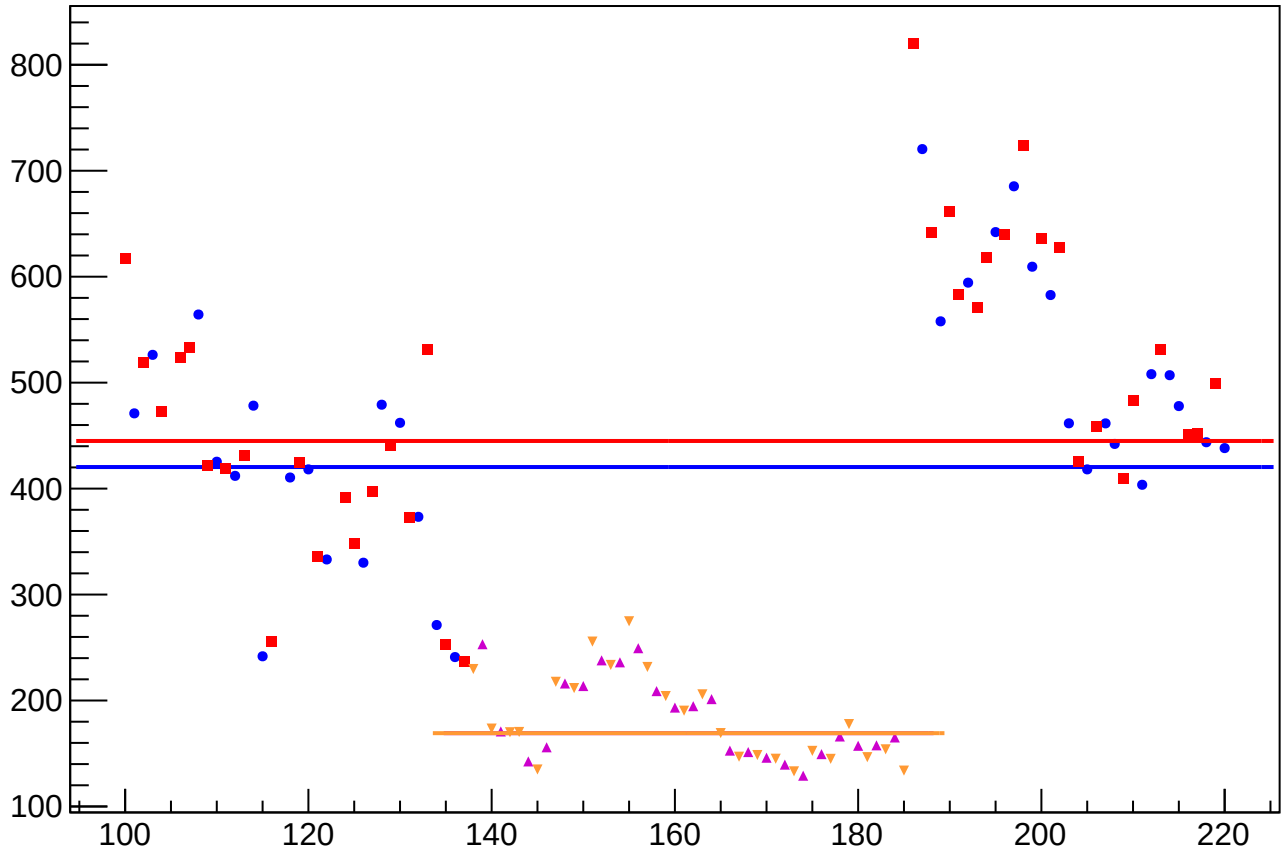
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 8.711+/-68.867 χ^2/NDF: 131.9/69

In: -52.063+/-37.190 χ^2/NDF:88.0/55

Out: -89.310+/-36.612 χ^2/NDF:150.8/61

All: -70.978+/-26.091 χ^2/NDF: 239.3/117



Right In: 420.360+/-0.067 χ^2/NDF: 2843586.9/32

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 444.953+/-0.070 χ^2/NDF: 2953028.6/36

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

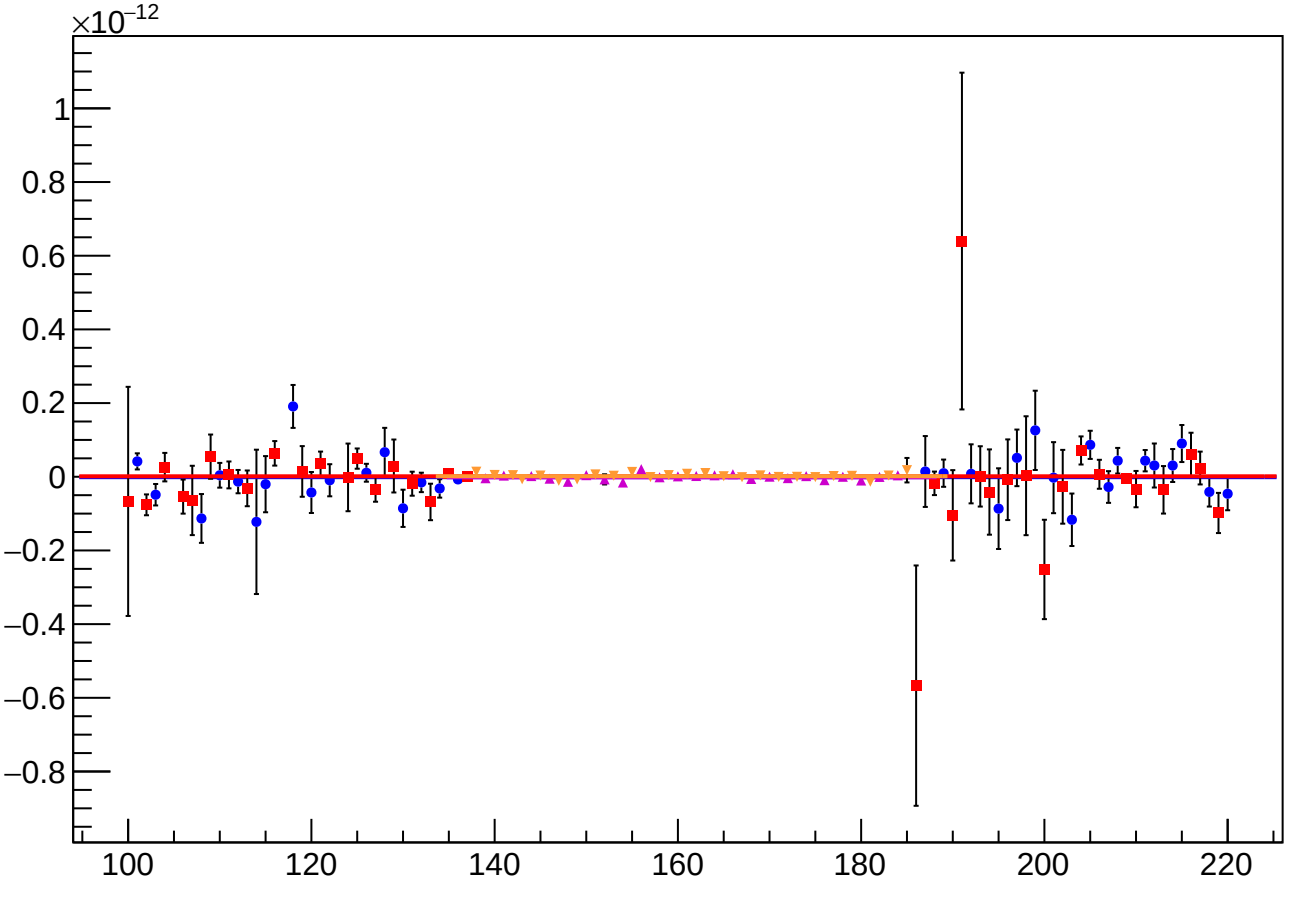
Right: 432.098+/-0.049 χ^2/NDF: 5860249.7/69

In: 207.474+/-0.026 χ^2/NDF:16004353.5/55

Out: 206.384+/-0.026 χ^2/NDF:17742869.6/61

All: 206.920+/-0.018 χ^2/NDF: 33748097.0/11

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 49.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 42.3/36

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

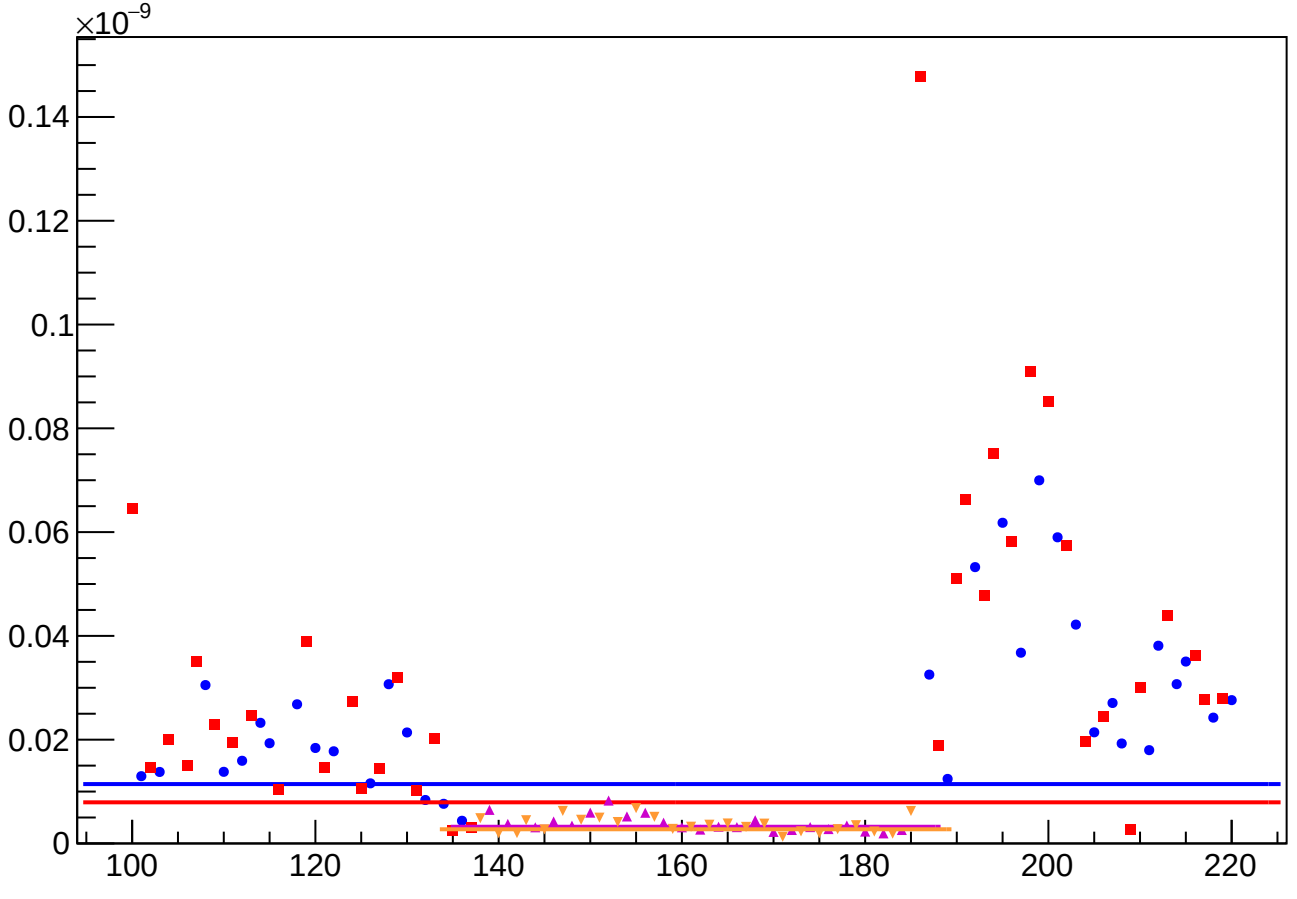
Right: 0.000+/-0.000 χ^2/NDF: 91.4/69

In: -0.000+/-0.000 χ^2/NDF:68.7/55

Out: 0.000+/-0.000 χ^2/NDF:61.1/61

All: 0.000+/-0.000 χ^2/NDF: 132.6/117

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7699678.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10967878.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

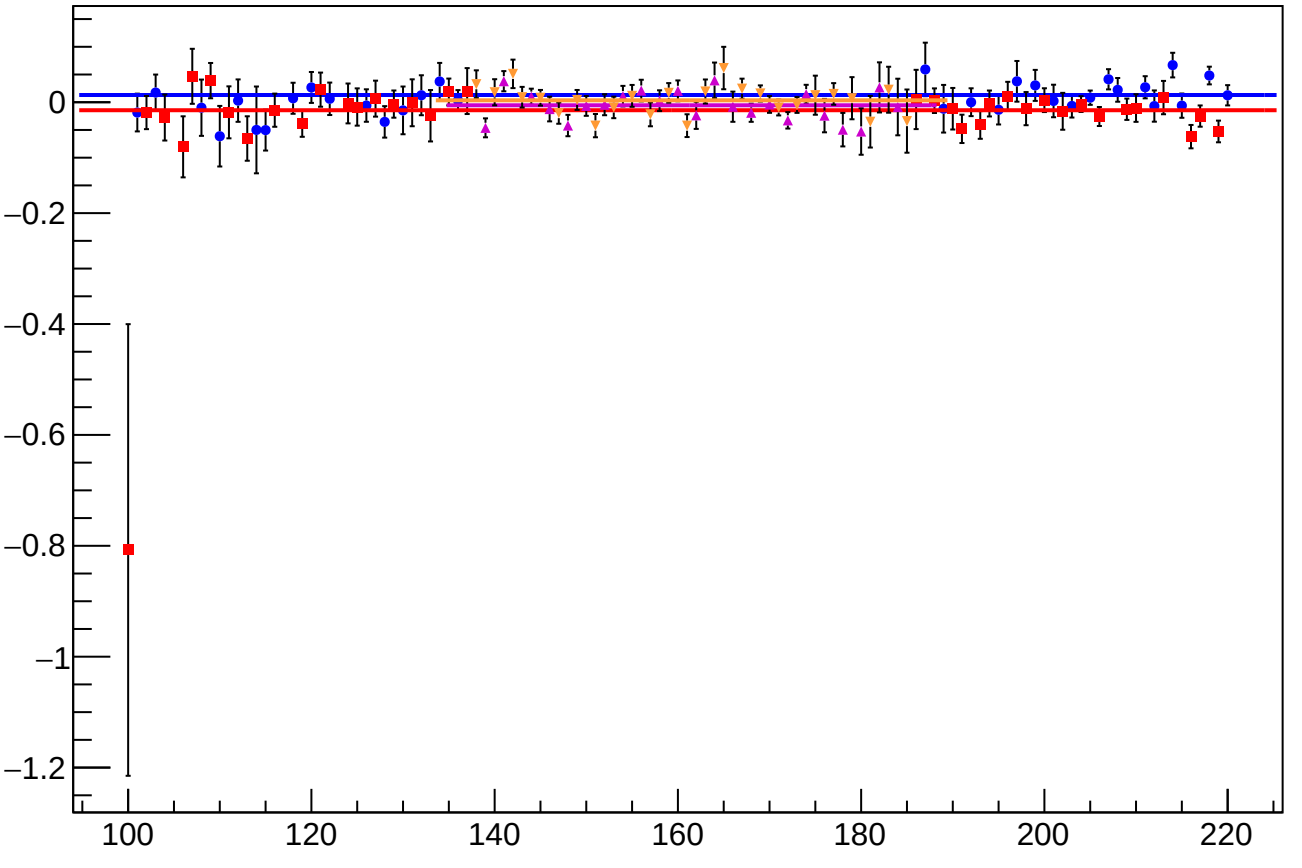
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19199541.1/69

In: 0.000+/-0.000 χ^2/NDF:13879757.0/55

Out: 0.000+/-0.000 χ^2/NDF:15382075.4/61

All: 0.000+/-0.000 χ^2/NDF: 29578426.5/117



Right In: 0.013+/-0.004 χ^2/NDF: 31.1/32

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

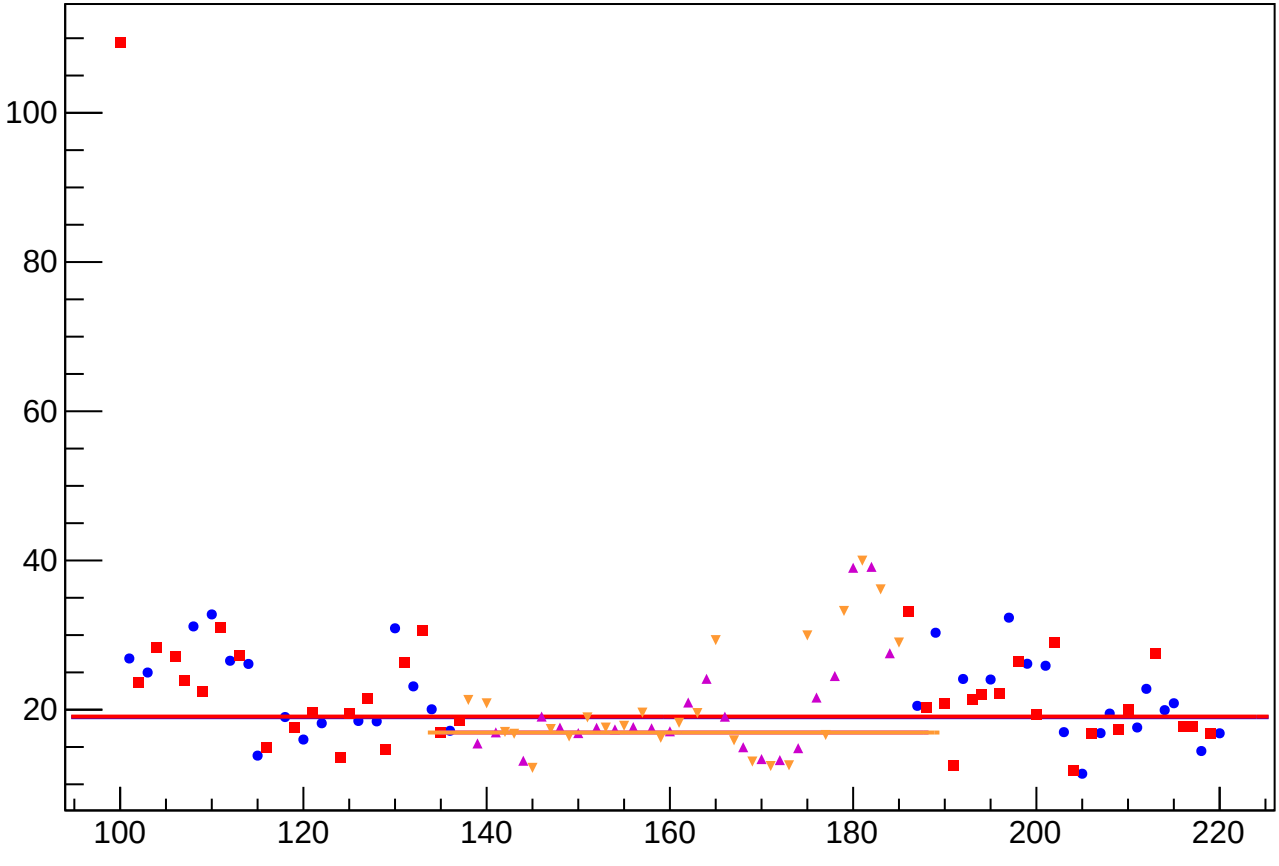
Right: -0.001+/-0.003 χ^2/NDF: 84.1/69

In: 0.003+/-0.003 χ^2/NDF:73.6/55

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.001+/-0.002 χ^2/NDF: 146.7/117

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.997+/-0.003 χ^2/NDF: 2571398.6/32

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

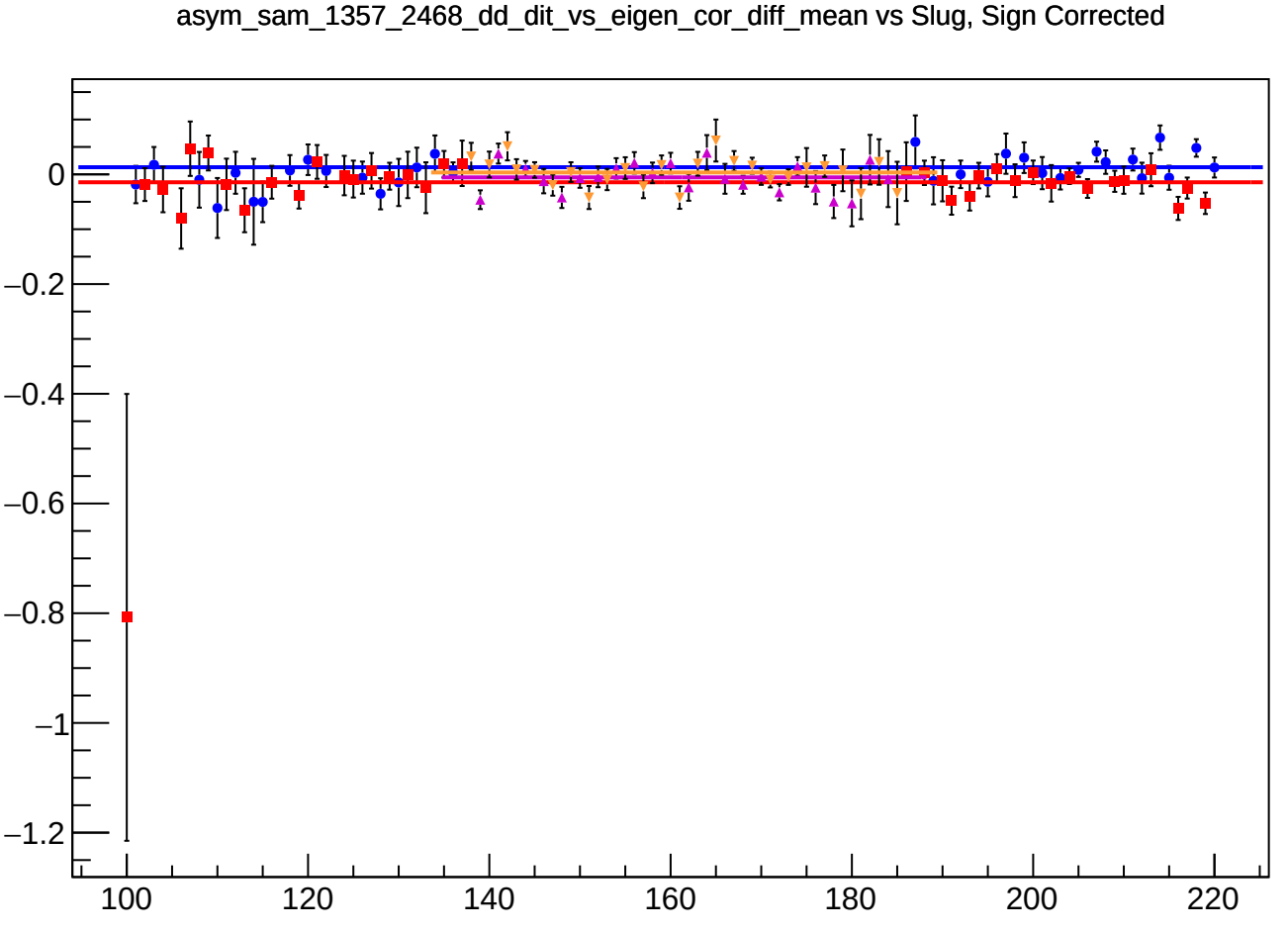
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.036+/-0.002 χ^2/NDF: 4909733.4/69

In: 17.912+/-0.002 χ^2/NDF:4739789.5/55

Out: 17.925+/-0.002 χ^2/NDF:5426781.1/61

All: 17.918+/-0.002 χ^2/NDF: 10166590.0/117



Right In: 0.013+/-0.004 χ^2/NDF: 31.1/32

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

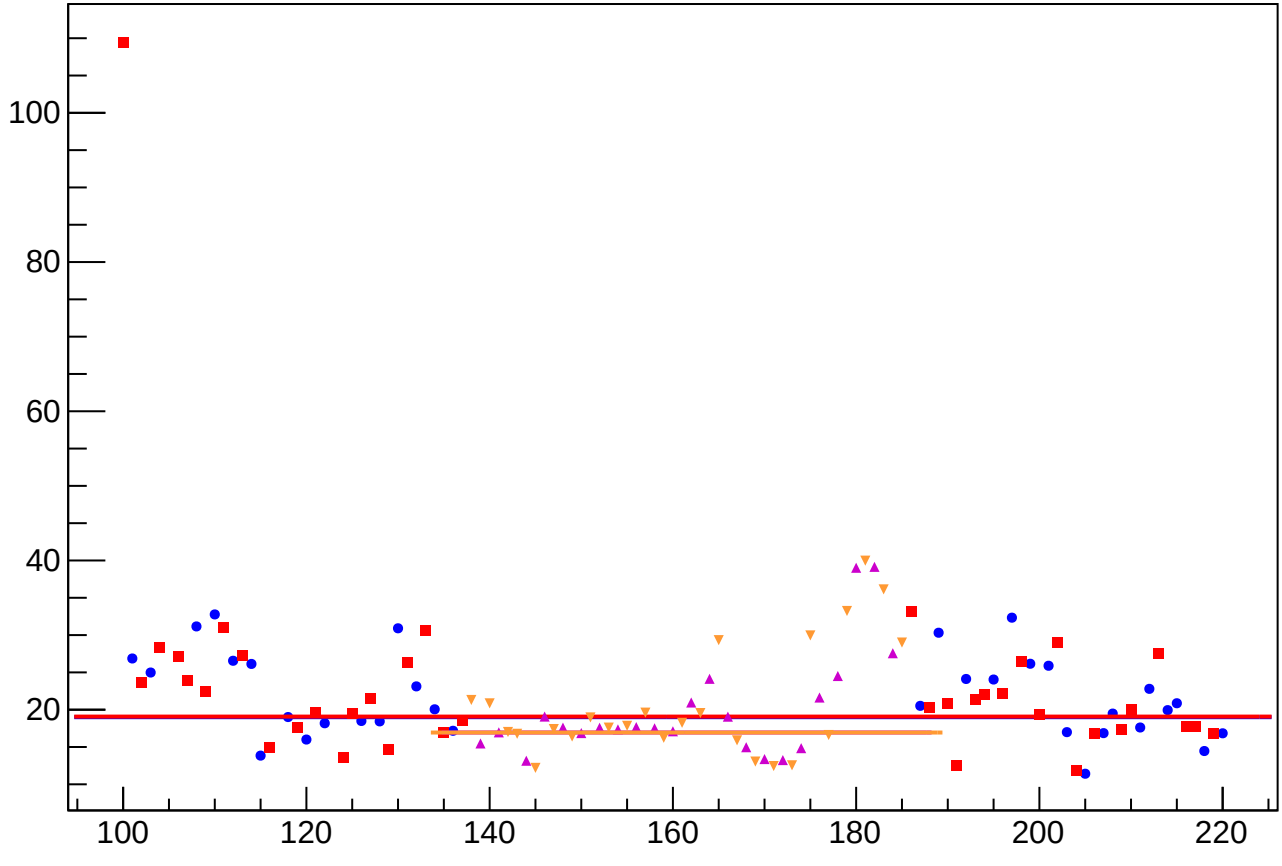
Right: -0.001+/-0.003 χ^2/NDF: 84.1/69

In: 0.003+/-0.003 χ^2/NDF:73.6/55

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.001+/-0.002 χ^2/NDF: 146.7/117

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.997+/-0.003 χ^2/NDF: 2571398.6/32

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

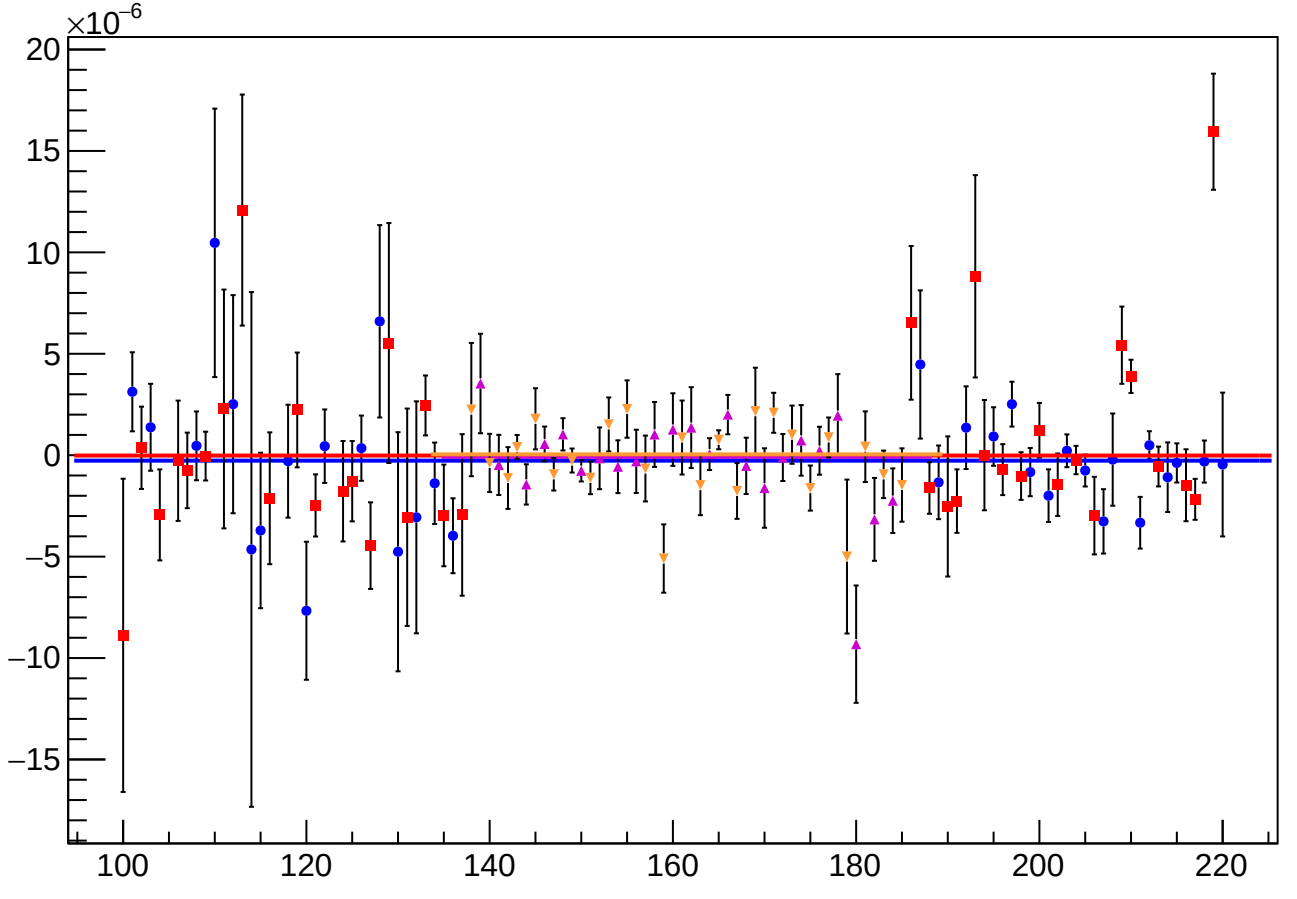
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.036+/-0.002 χ^2/NDF: 4909733.4/69

In: 17.912+/-0.002 χ^2/NDF:4739789.5/55

Out: 17.925+/-0.002 χ^2/NDF:5426781.1/61

All: 17.918+/-0.002 χ^2/NDF: 10166590.0/117



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 105.8/36

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

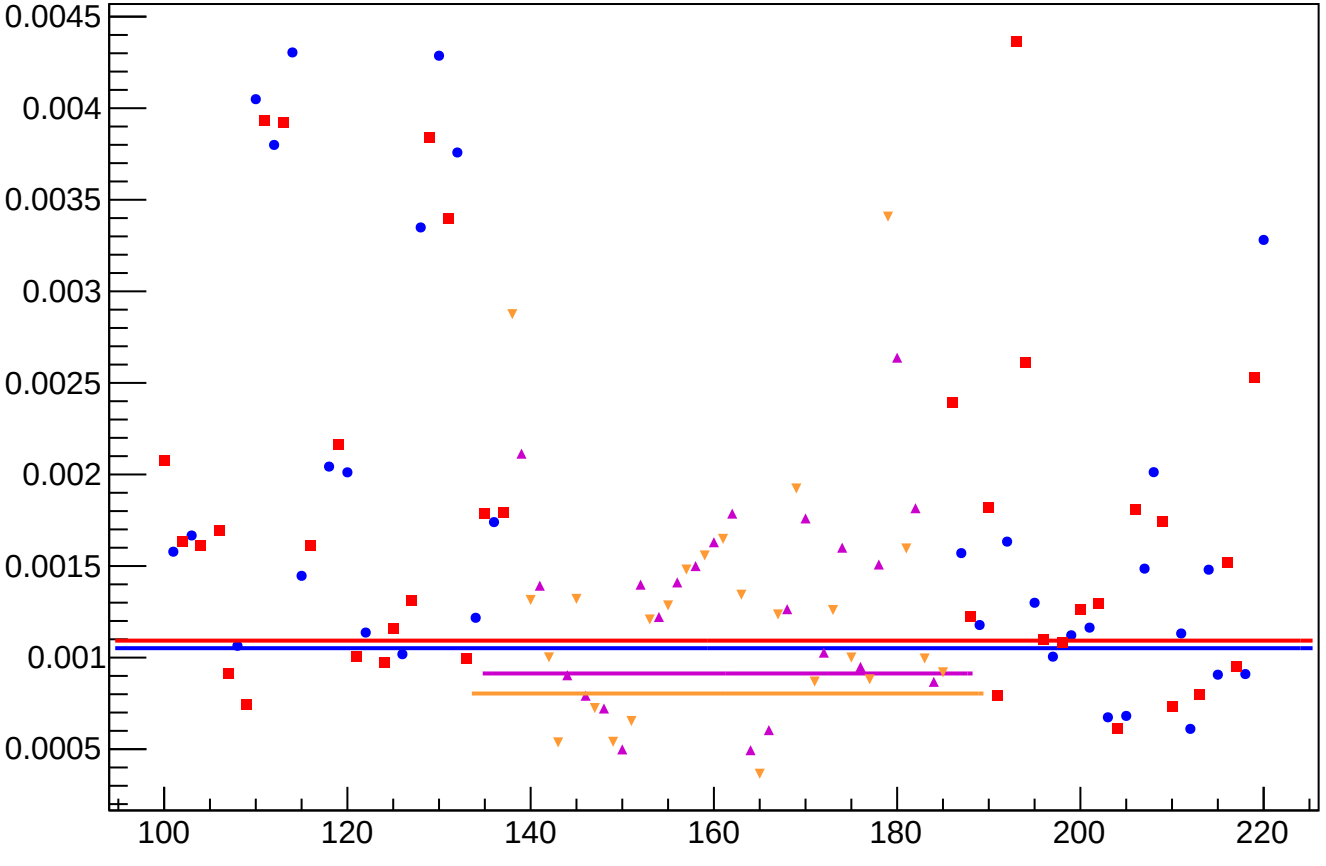
Right: -0.000+/-0.000 χ^2/NDF: 149.4/69

In: -0.000+/-0.000 χ^2/NDF:74.4/55

Out: 0.000+/-0.000 χ^2/NDF:143.0/61

All: -0.000+/-0.000 χ^2/NDF: 218.0/117

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7124465.1/32

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7548081.4/36

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

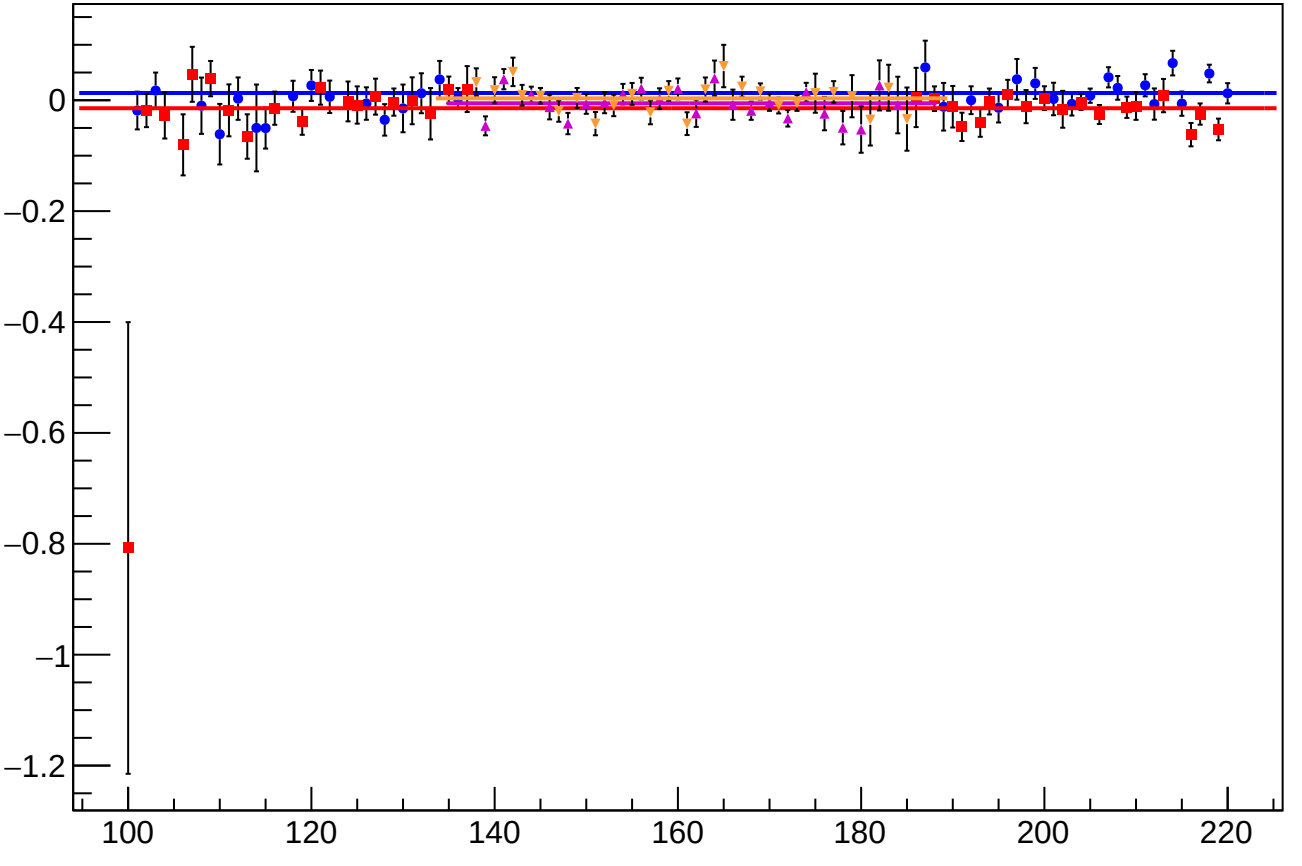
Right: 0.001+/-0.000 χ^2/NDF: 14696824.9/69

In: 0.001+/-0.000 χ^2/NDF:13868538.4/55

Out: 0.001+/-0.000 χ^2/NDF:17250197.3/61

All: 0.001+/-0.000 χ^2/NDF: 31259937.2/117

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.004 χ^2/NDF: 31.1/32

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

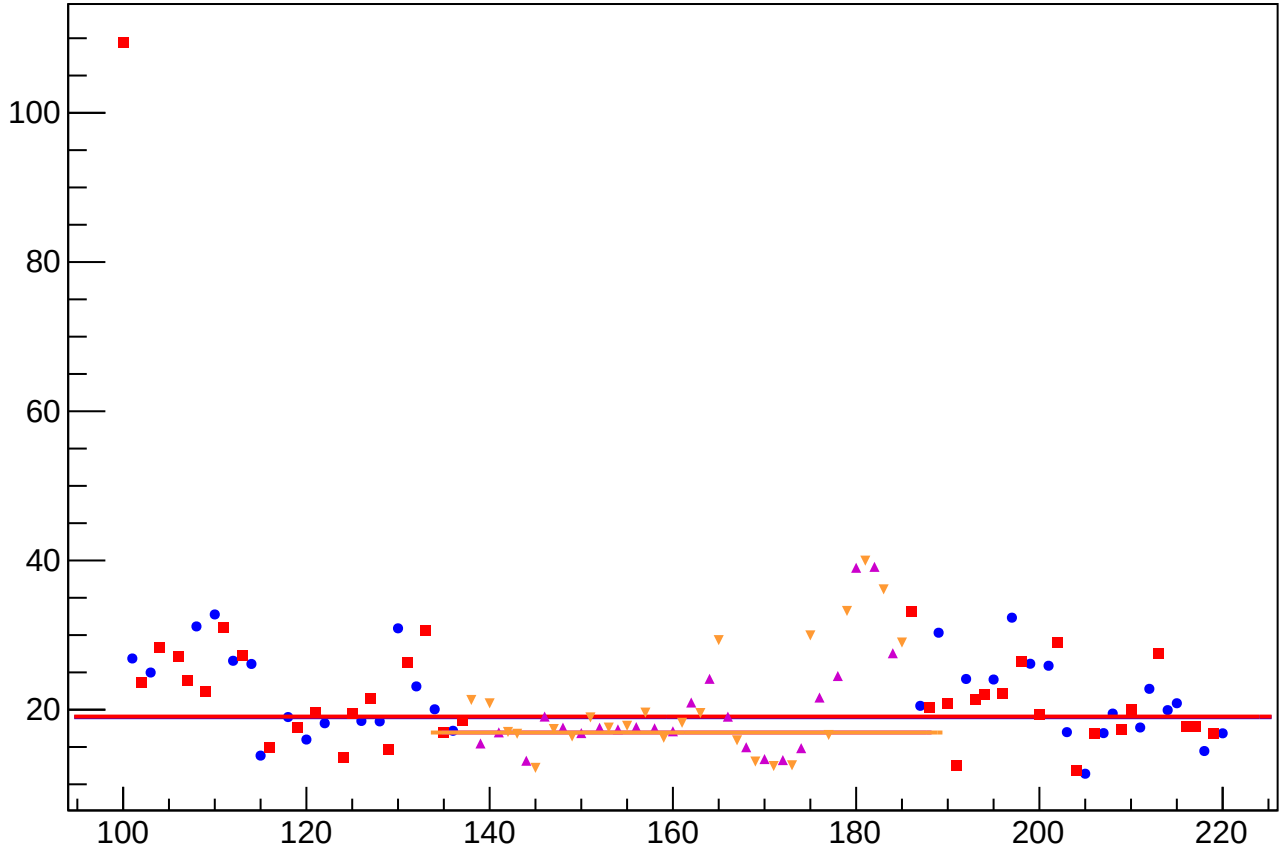
Right: -0.001+/-0.003 χ^2/NDF: 84.1/69

In: 0.003+/-0.003 χ^2/NDF:73.6/55

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.001+/-0.002 χ^2/NDF: 146.6/117

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.996+/-0.003 χ^2/NDF: 2571527.5/32

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

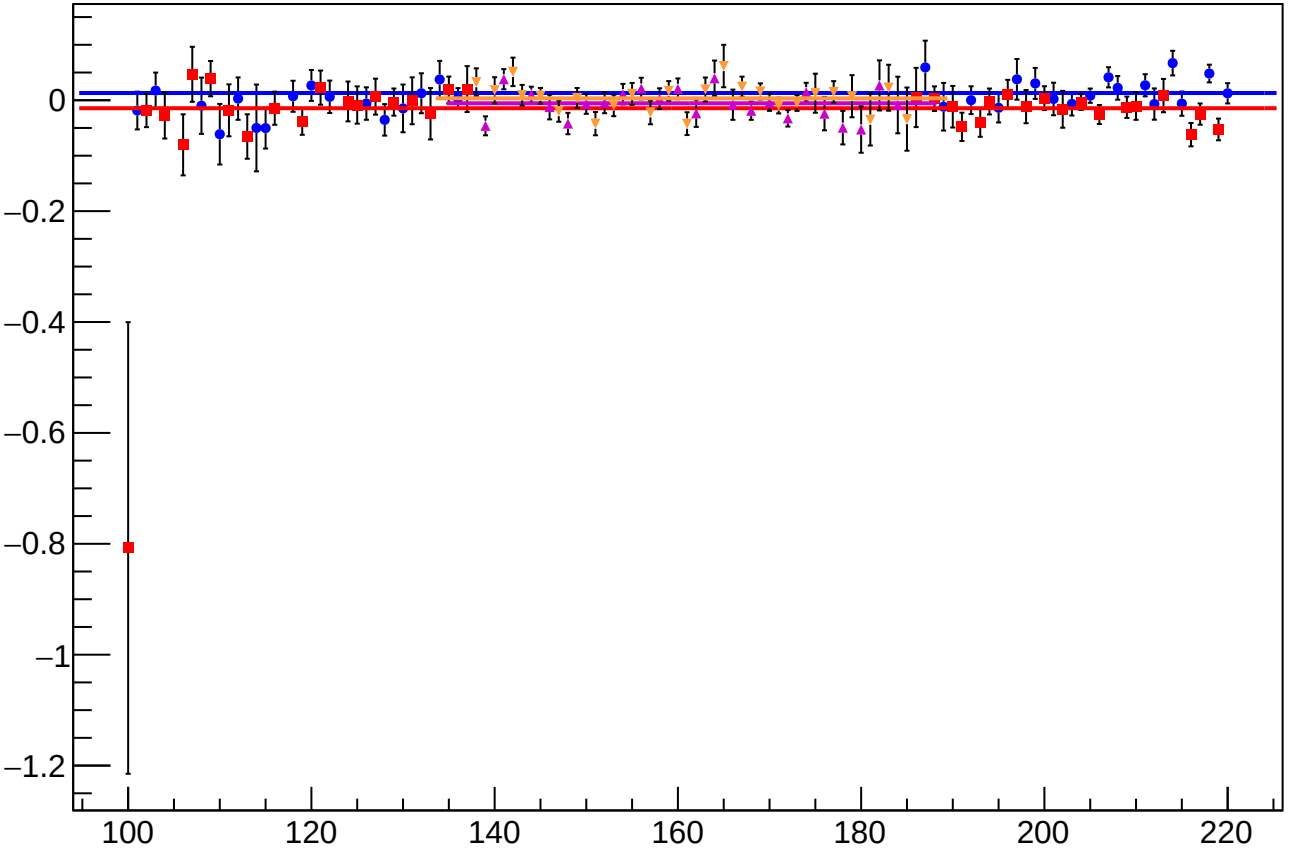
Right: 19.036+/-0.002 χ^2/NDF: 4909888.1/69

In: 17.911+/-0.002 χ^2/NDF:4739787.2/55

Out: 17.925+/-0.002 χ^2/NDF:5426715.6/61

All: 17.918+/-0.002 χ^2/NDF: 10166522.8/117

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.004 χ^2/NDF: 31.1/32

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

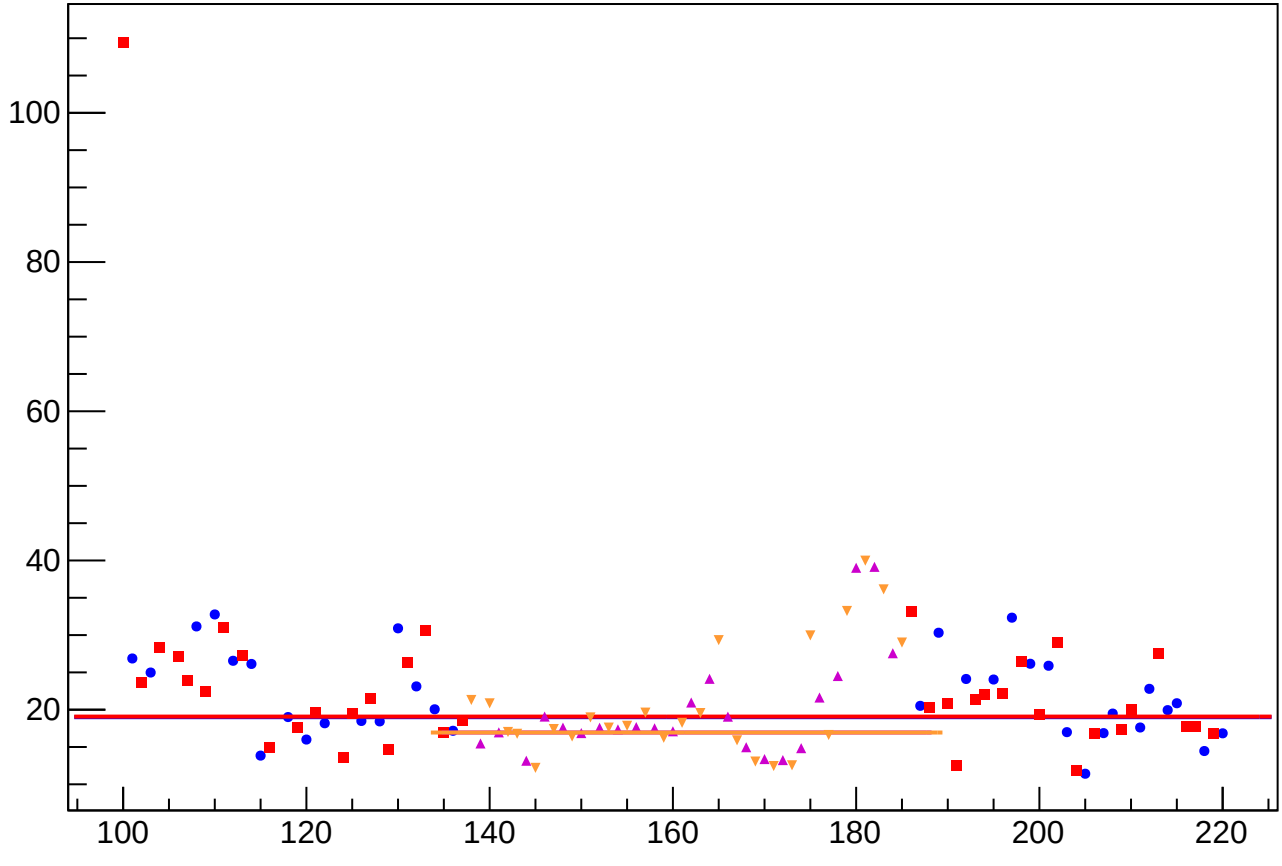
Right: -0.001+/-0.003 χ^2/NDF: 84.1/69

In: 0.003+/-0.003 χ^2/NDF:73.6/55

Out: -0.005+/-0.003 χ^2/NDF:69.6/61

All: -0.001+/-0.002 χ^2/NDF: 146.6/117

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.996+/-0.003 χ^2/NDF: 2571527.5/32

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

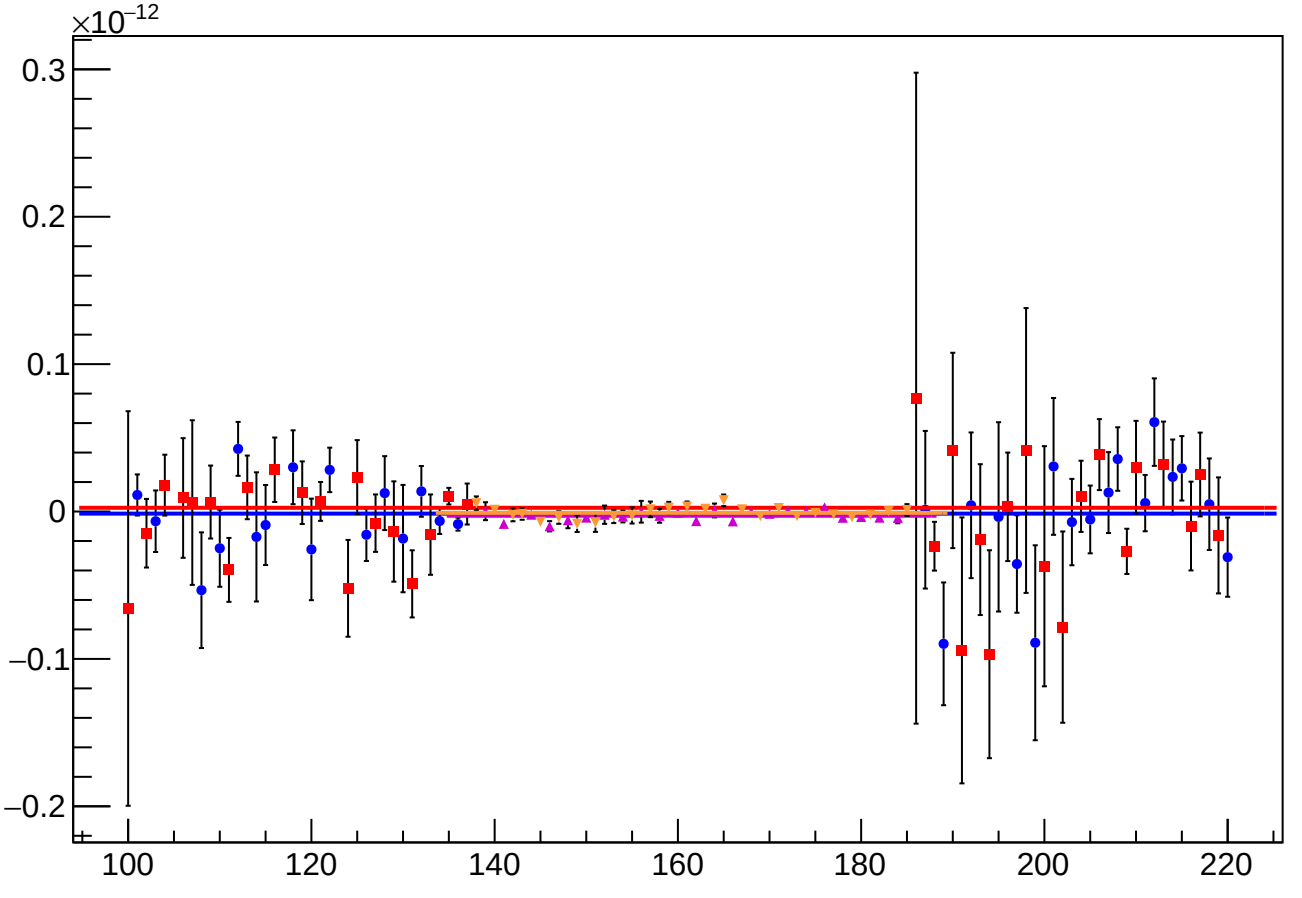
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.036+/-0.002 χ^2/NDF: 4909888.1/69

In: 17.911+/-0.002 χ^2/NDF:4739787.2/55

Out: 17.925+/-0.002 χ^2/NDF:5426715.6/61

All: 17.918+/-0.002 χ^2/NDF: 10166522.8/117



Right In: -0.000+/-0.000 χ^2/NDF: 40.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/36

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

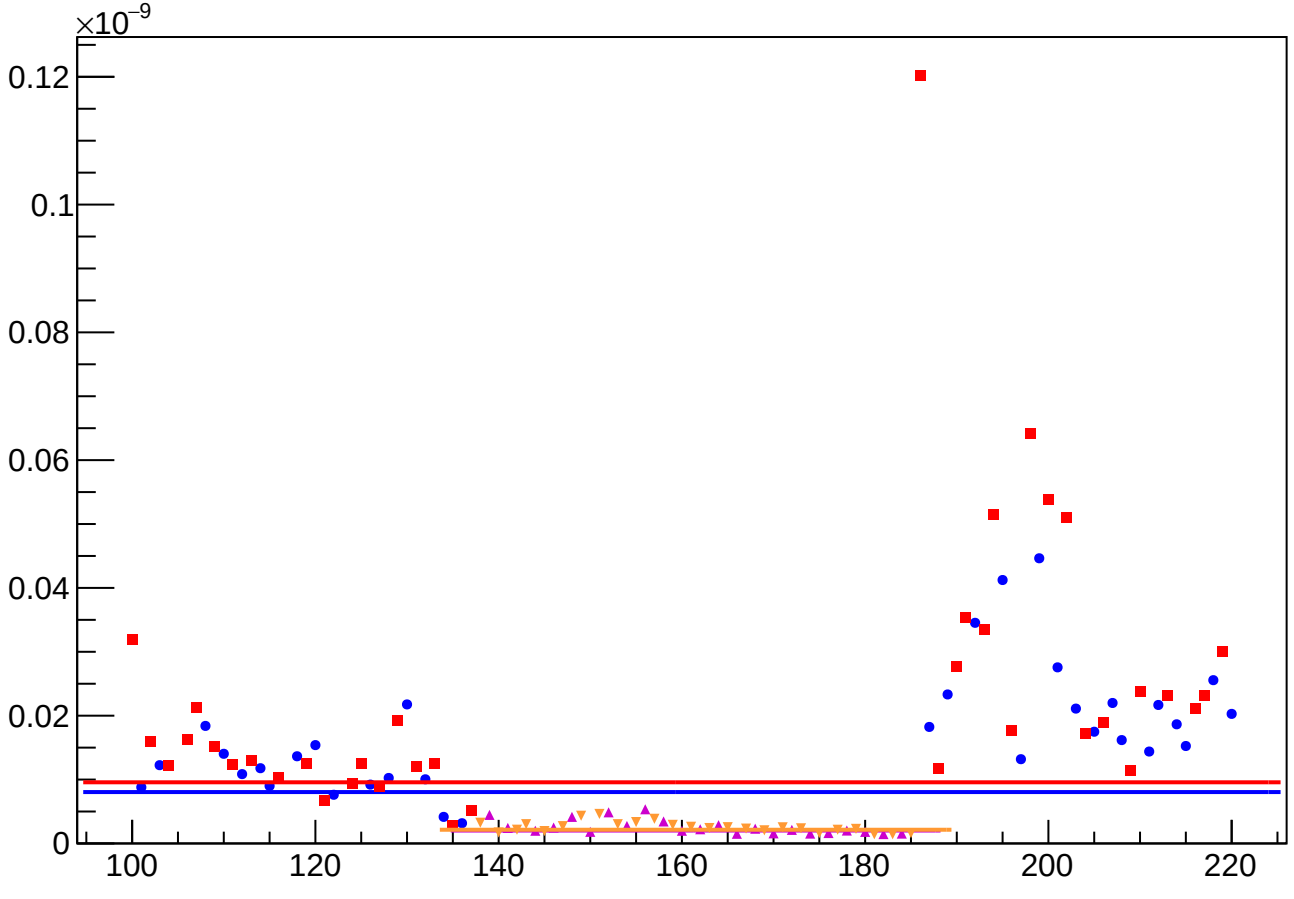
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

Right: 0.000+/-0.000 χ^2/NDF: 76.7/69

In: -0.000+/-0.000 χ^2/NDF:63.4/55

Out: -0.000+/-0.000 χ^2/NDF:60.5/61

All: -0.000+/-0.000 χ^2/NDF: 129.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 10013934.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10787775.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

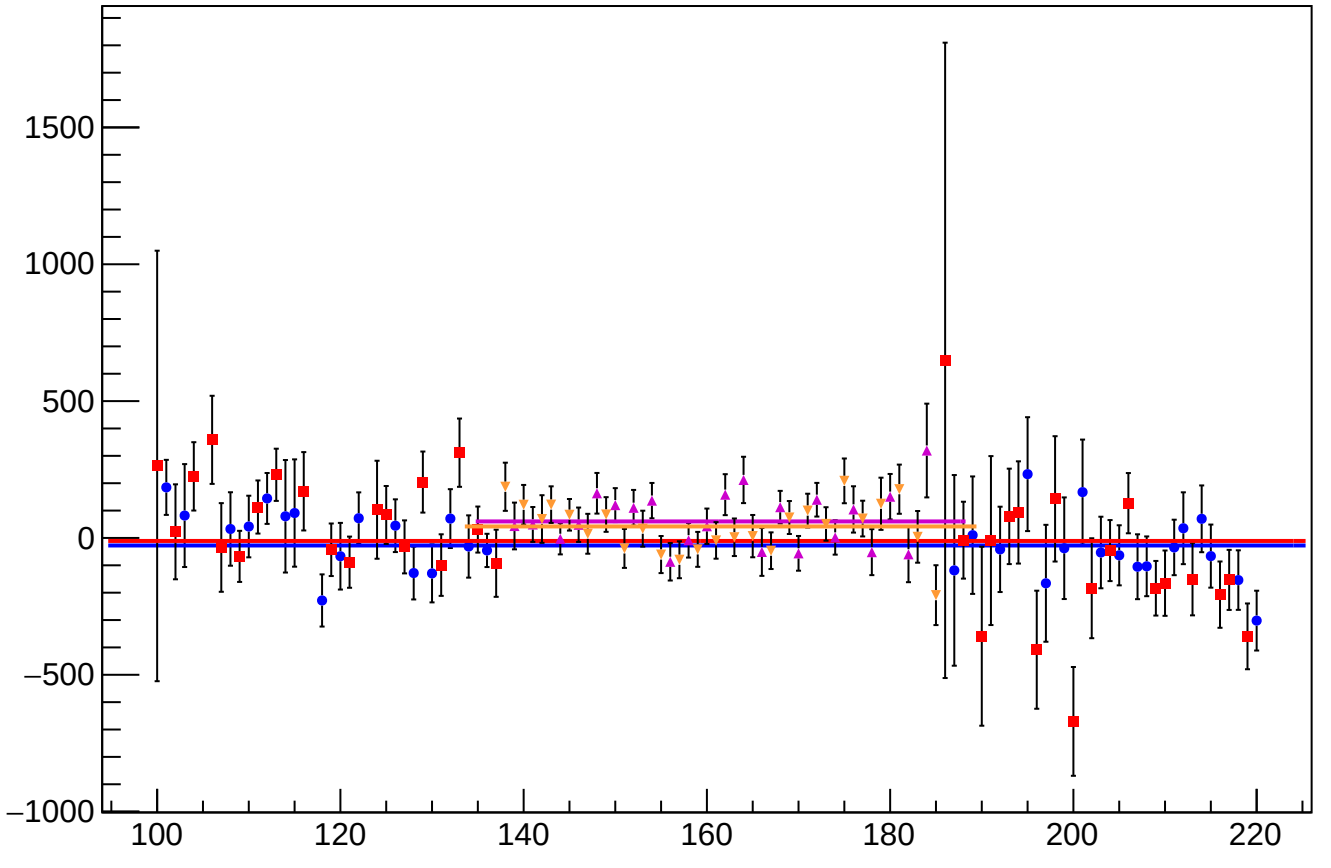
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21030278.3/69

In: 0.000+/-0.000 χ^2/NDF:20293812.3/55

Out: 0.000+/-0.000 χ^2/NDF:22101157.6/61

All: 0.000+/-0.000 χ^2/NDF: 42426011.0/117



Right In: -27.513+/-20.453 χ^2/NDF: 31.4/32

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -10.971+/-20.959 χ^2/NDF: 70.8/36

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

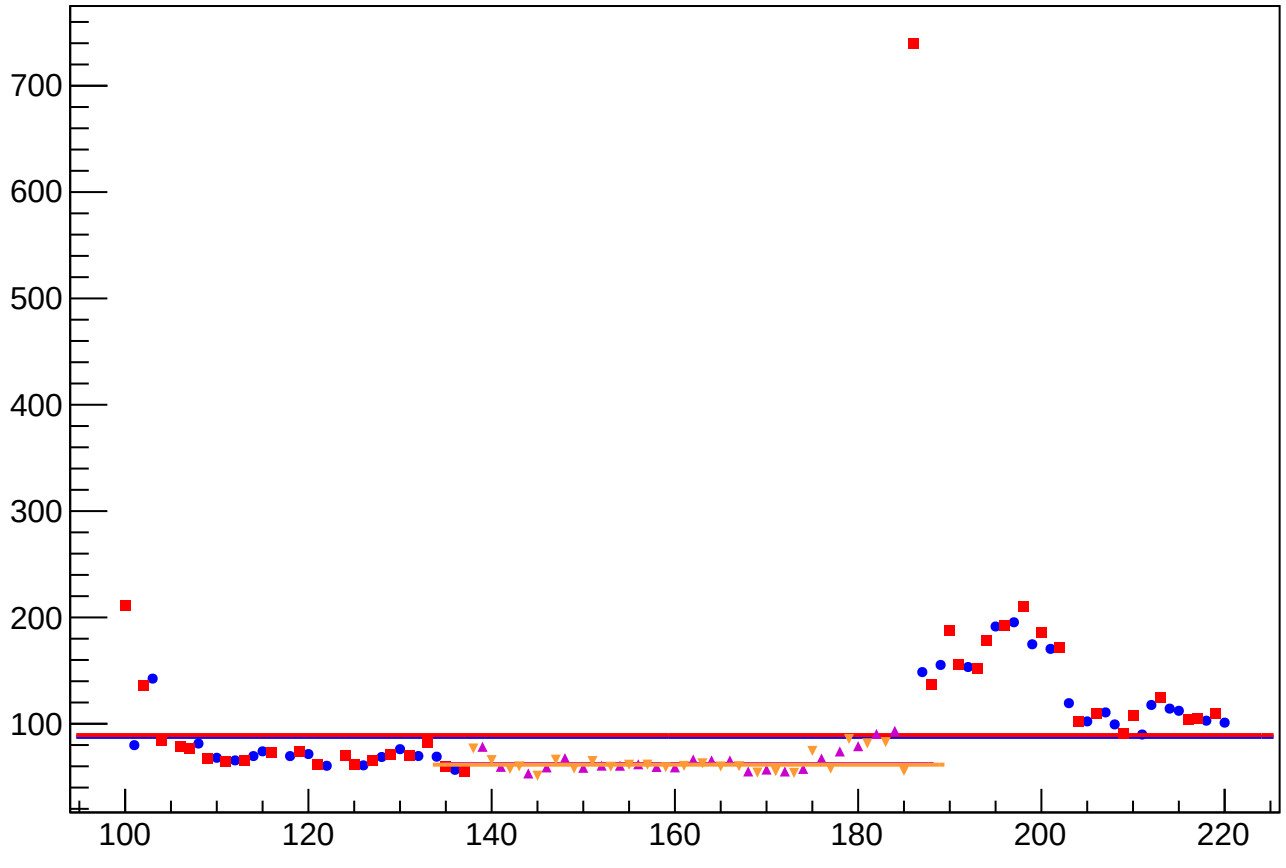
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -19.444+/-14.638 χ^2/NDF: 102.5/69

In: 30.404+/-11.944 χ^2/NDF:75.8/55

Out: 25.374+/-11.745 χ^2/NDF:107.2/61

All: 27.847+/-8.375 χ^2/NDF: 183.1/117



Right In: 87.669+/-0.014 χ^2/NDF: 4587907.5/32

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 89.377+/-0.015 χ^2/NDF: 5777699.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

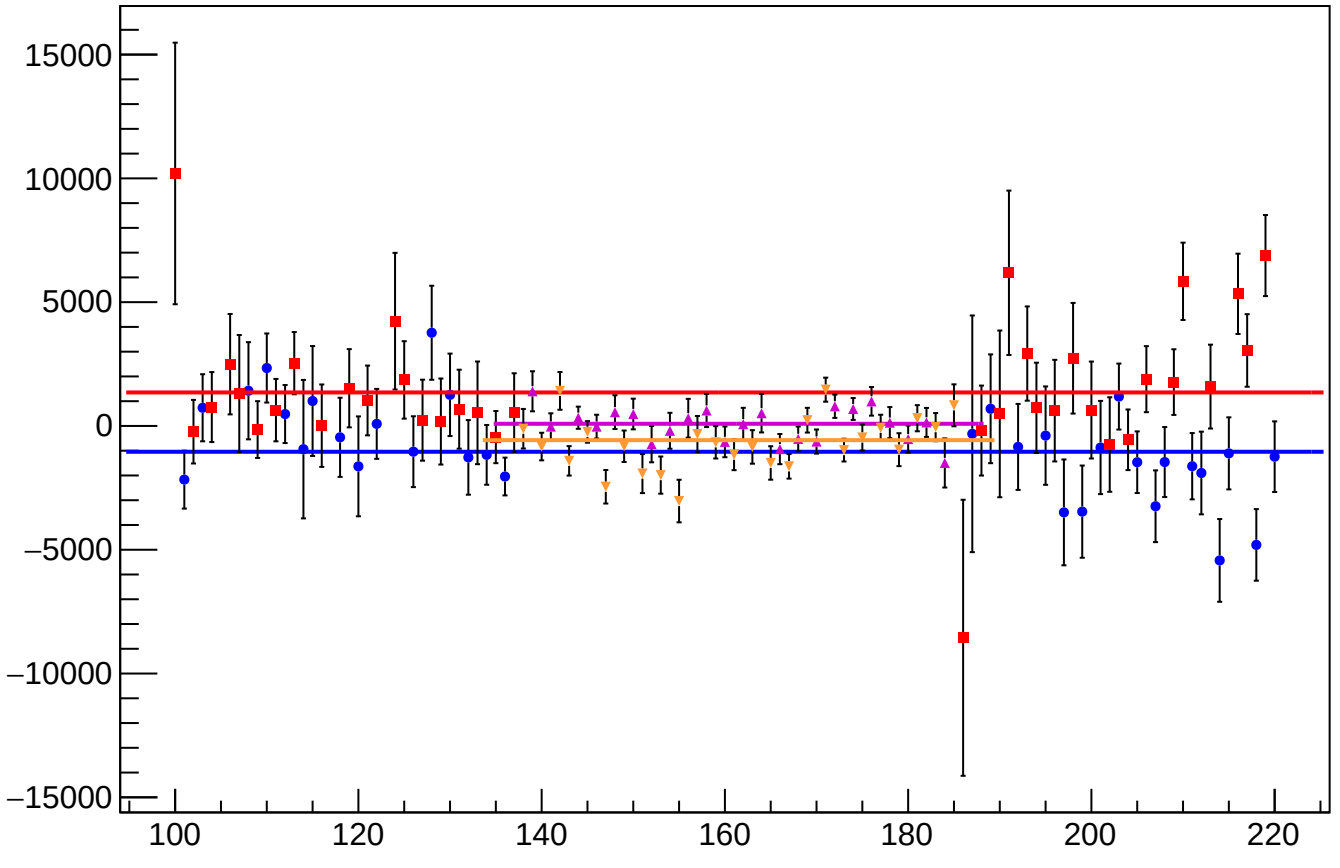
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 88.502+/-0.010 χ^2/NDF: 10372406.3/69

In: 70.849+/-0.008 χ^2/NDF:7237176.1/55

Out: 70.284+/-0.008 χ^2/NDF:8834829.2/61

All: 70.562+/-0.006 χ^2/NDF: 16074277.0/117



Right In: -1042.475+/-260.448 χ^2/NDF: 46.8/32

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 1353.231+/-268.580 χ^2/NDF: 52.6/36

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

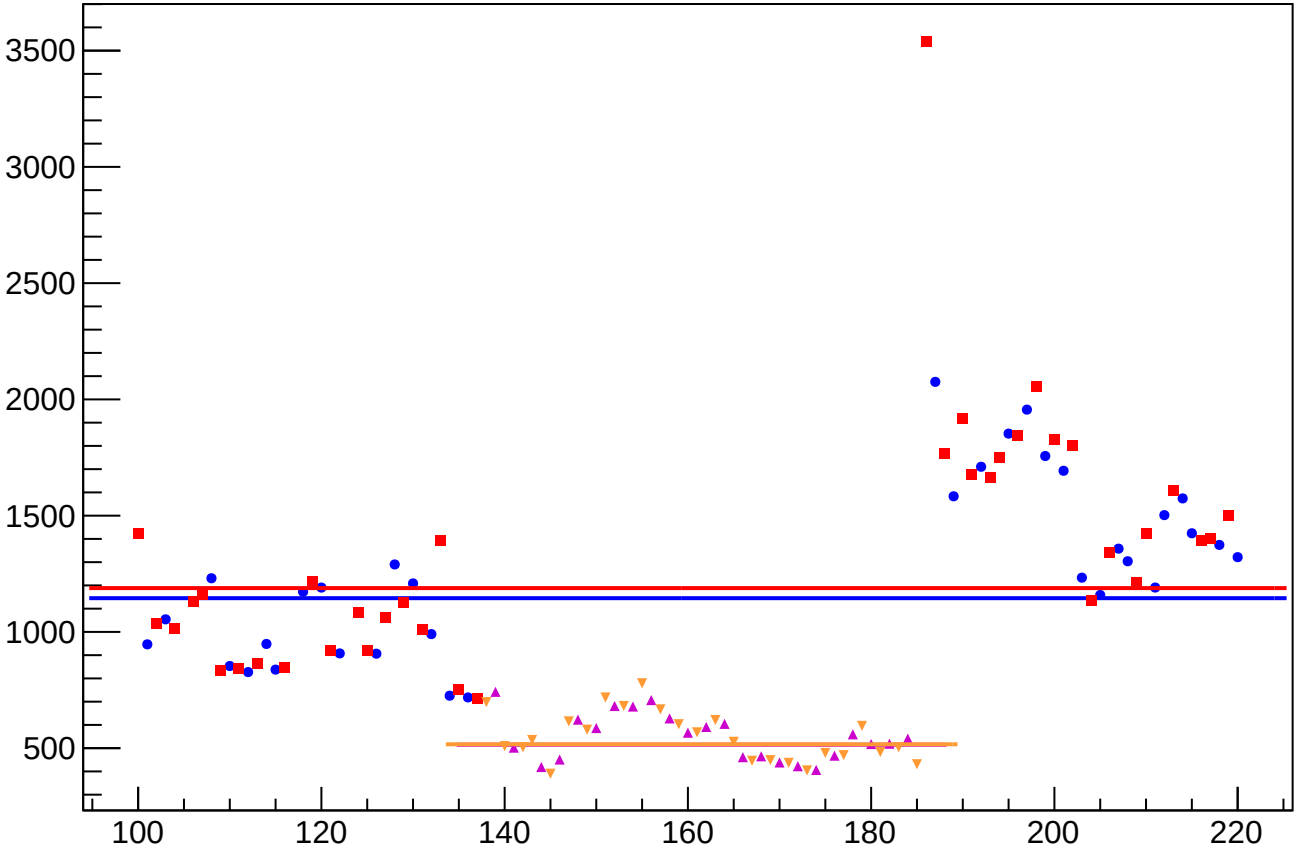
Right: 118.561+/-186.973 χ^2/NDF: 140.4/69

In: -116.490+/-110.845 χ^2/NDF:86.8/55

Out: -255.154+/-109.361 χ^2/NDF:164.3/61

All: -186.756+/-77.849 χ^2/NDF: 251.9/117

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1145.129+/-0.184 χ^2/NDF: 3121690.3/32

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1188.422+/-0.190 χ^2/NDF: 3626693.6/36

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

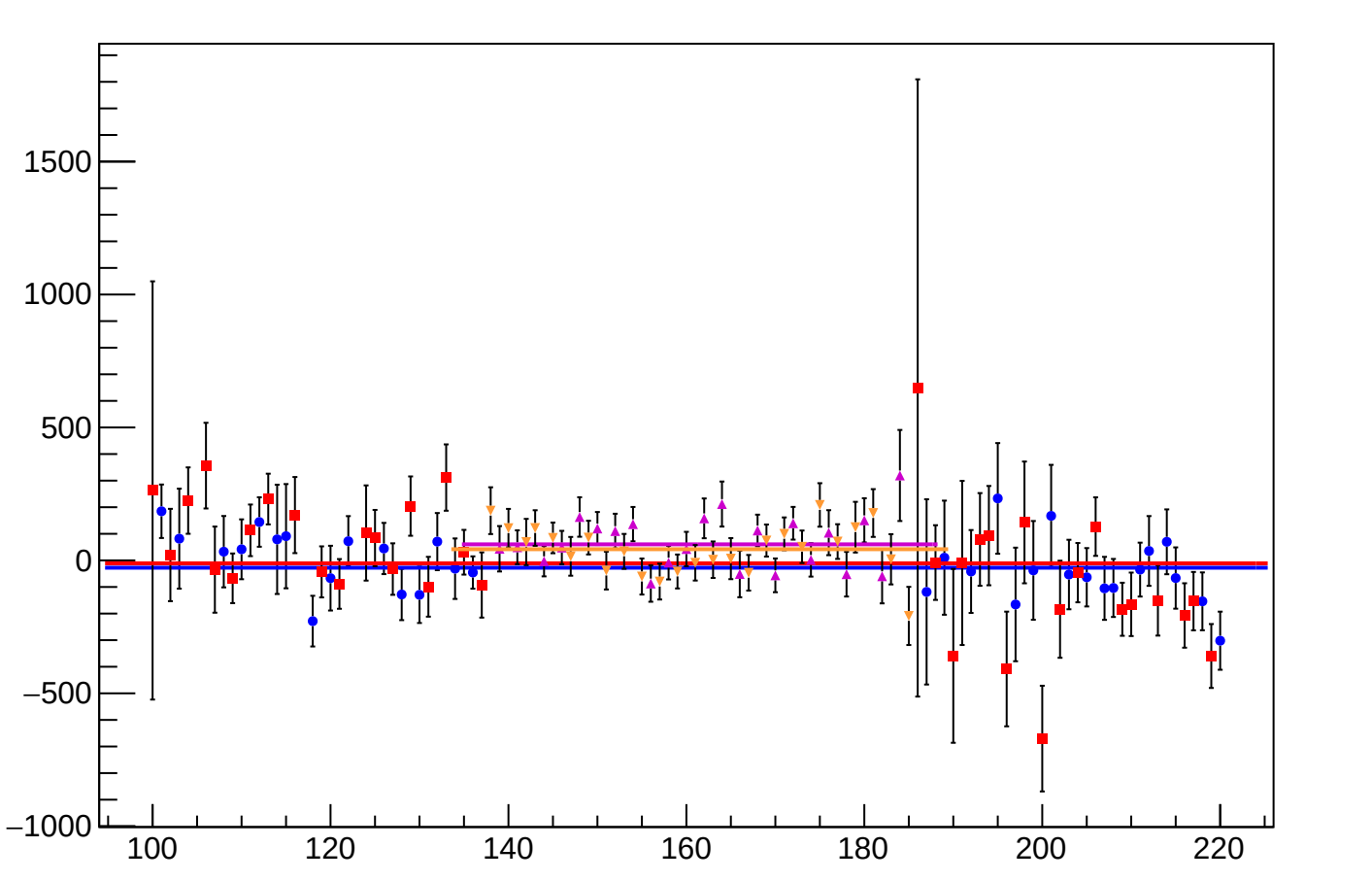
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1166.110+/-0.132 χ^2/NDF: 6775165.6/69

In: 628.956+/-0.078 χ^2/NDF:13835343.0/55

Out: 628.015+/-0.077 χ^2/NDF:15329871.4/61

All: 628.479+/-0.055 χ^2/NDF: 29165287.4/11



Right In: -27.519+/-20.453 χ^2/NDF: 31.4/32

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -11.050+/-20.960 χ^2/NDF: 70.7/36

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

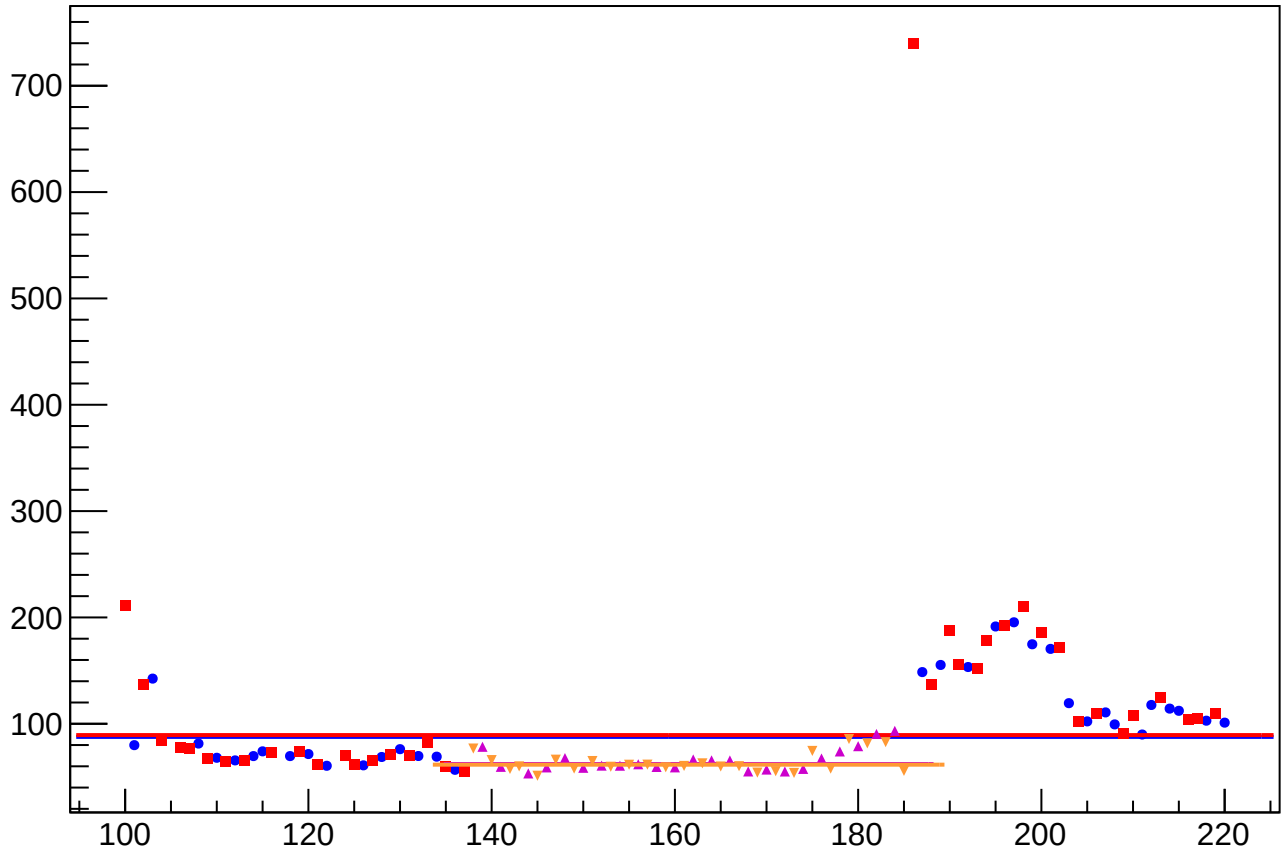
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -19.486+/-14.639 χ^2/NDF: 102.4/69

In: 30.402+/-11.944 χ^2/NDF:75.8/55

Out: 25.353+/-11.745 χ^2/NDF:107.1/61

All: 27.835+/-8.375 χ^2/NDF: 183.0/117



Right In: 87.669+/-0.014 χ^2/NDF: 4587910.5/32

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

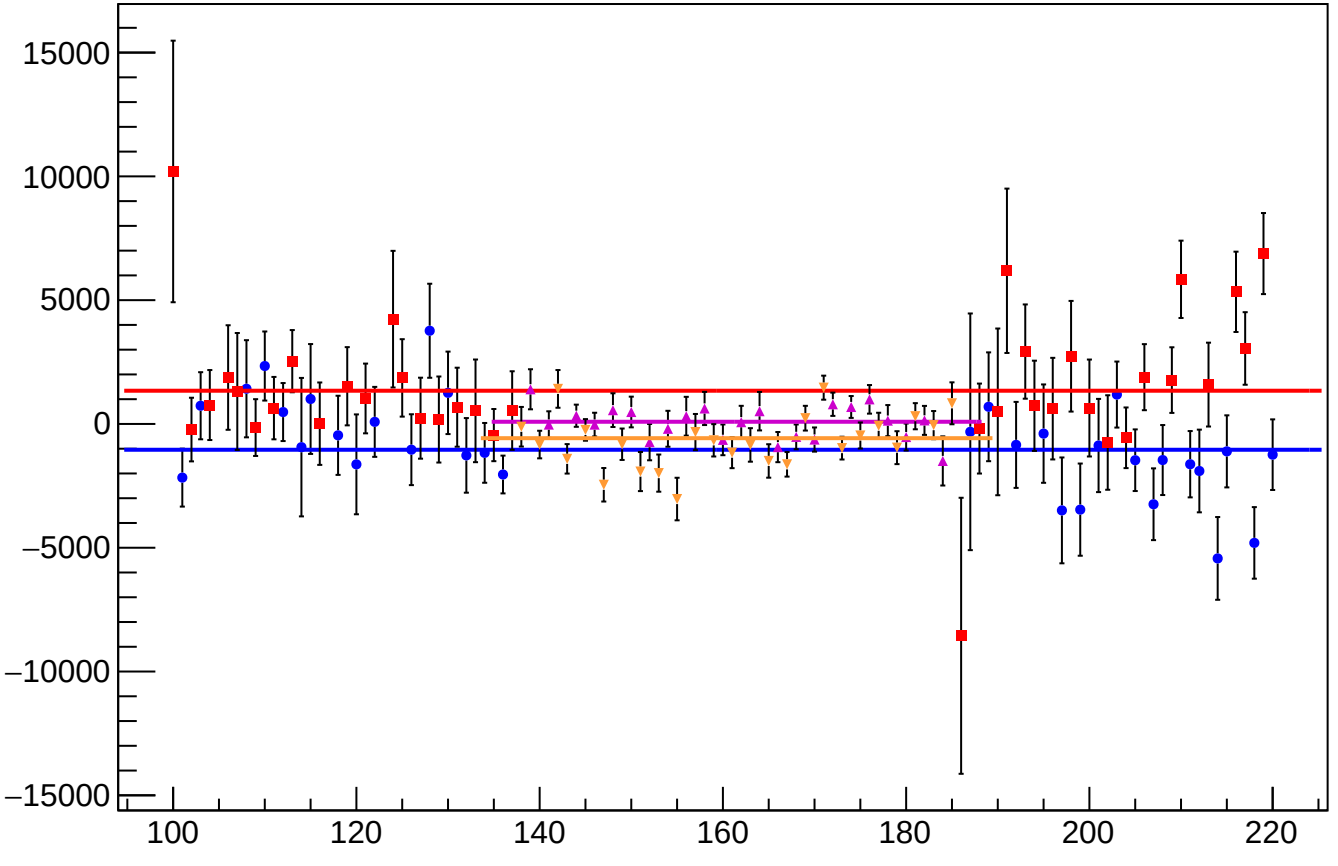
Right: 88.497+/-0.010 χ^2/NDF: 10373801.7/69

In: 70.849+/-0.008 χ^2/NDF:7237179.1/55

Out: 70.281+/-0.008 χ^2/NDF:8834288.5/61

All: 70.560+/-0.006 χ^2/NDF: 16073770.1/117

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1042.462+/-260.449 χ^2/NDF: 46.8/32

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 1341.960+/-268.772 χ^2/NDF: 52.3/36

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

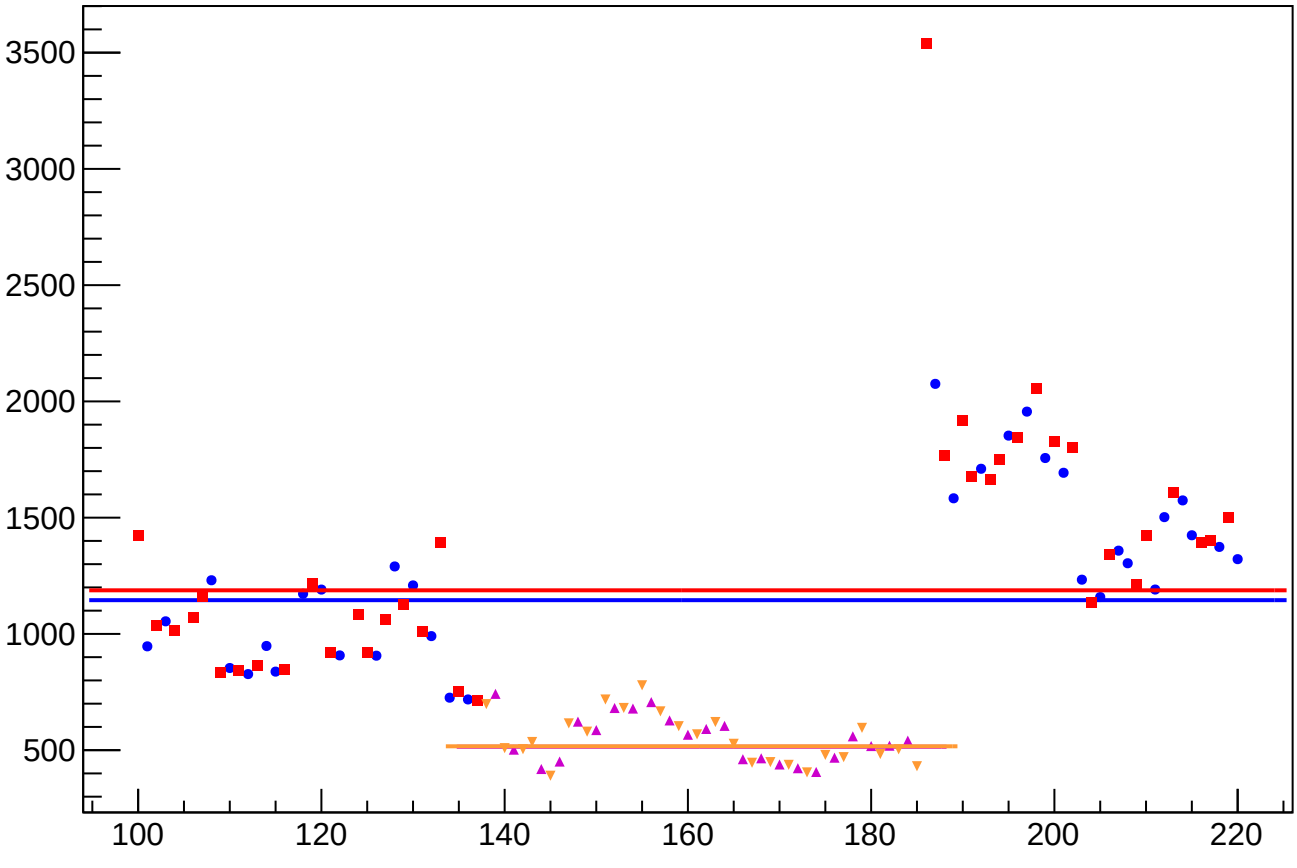
Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

Right: 112.259+/-187.038 χ^2/NDF: 139.7/69

In: -116.487+/-110.845 χ^2/NDF:86.8/55

Out: -257.395+/-109.374 χ^2/NDF:163.5/61

All: -187.882+/-77.854 χ^2/NDF: 251.1/117



Right In: 1145.133+/-0.184 χ^2/NDF: 3121677.8/32

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1187.526+/-0.190 χ^2/NDF: 3631156.9/36

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

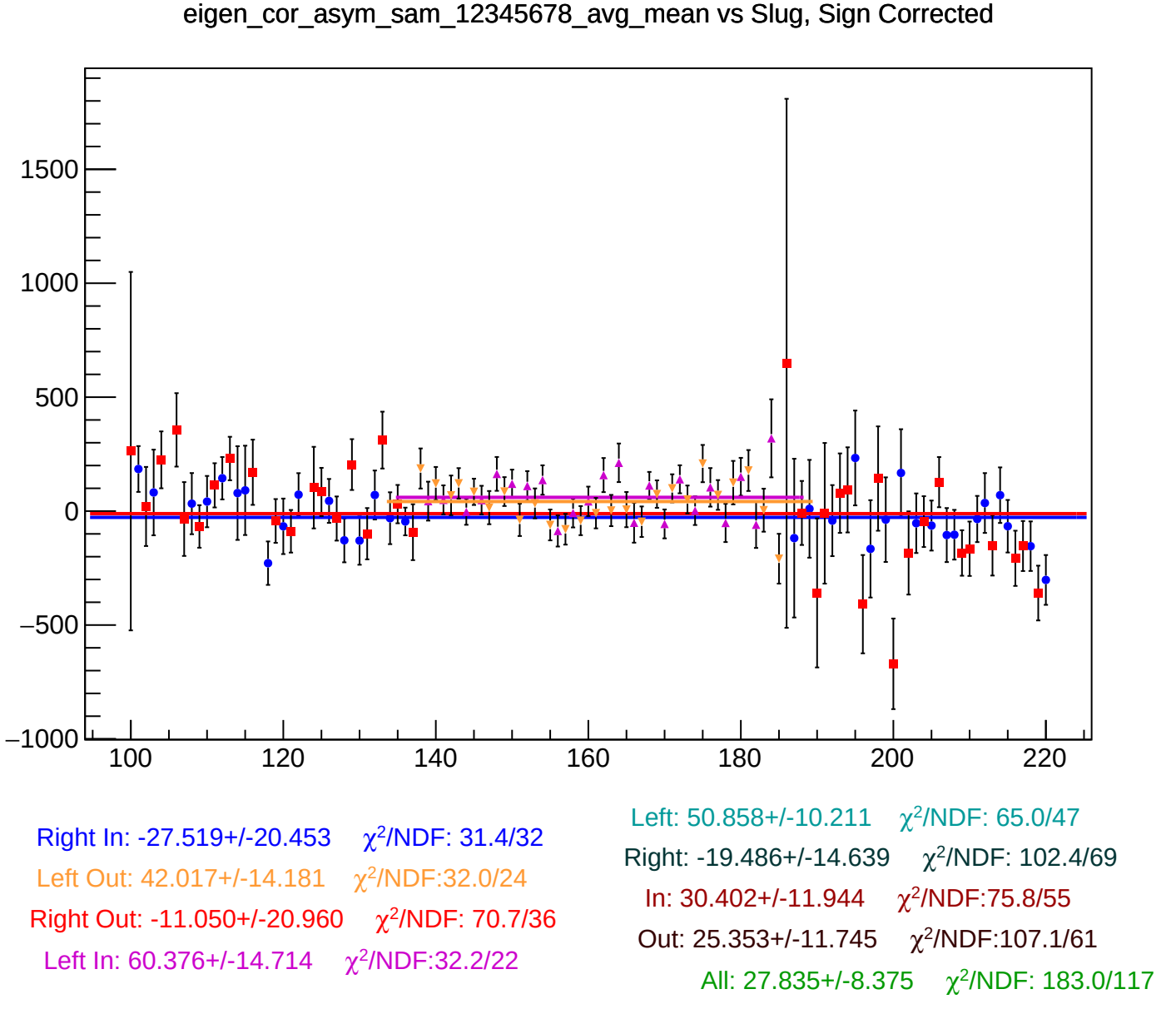
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

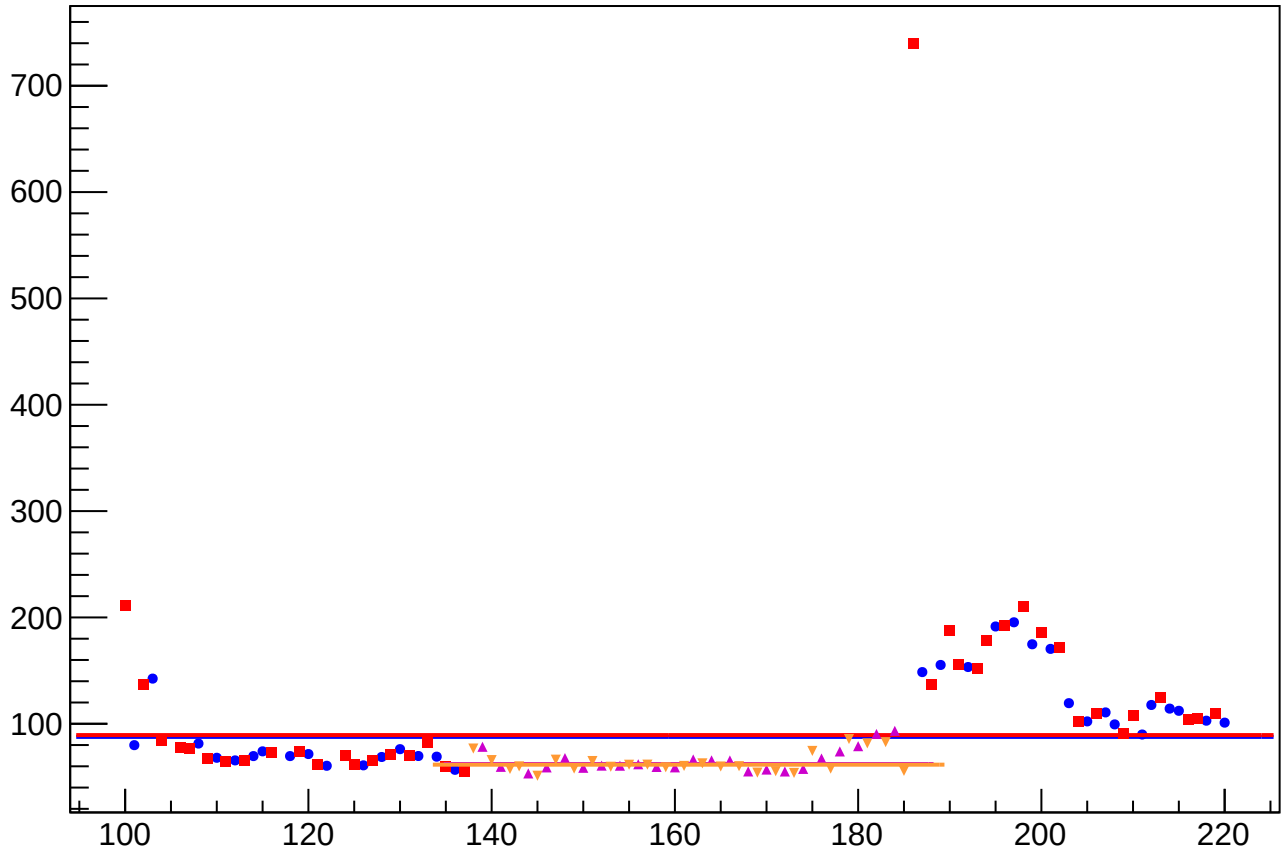
Right: 1165.663+/-0.132 χ^2/NDF: 6778496.3/69

In: 628.956+/-0.078 χ^2/NDF:13835384.1/55

Out: 627.734+/-0.077 χ^2/NDF:15294135.9/61

All: 628.337+/-0.055 χ^2/NDF: 29129643.2/11


eigen_cor_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -27.519+/-20.453 χ²/NDF: 31.4/32
Left Out: 42.017+/-14.181 χ²/NDF:32.0/24
Right Out: -11.050+/-20.960 χ²/NDF: 70.7/36
Left In: 60.376+/-14.714 χ²/NDF:32.2/22
Left: 50.858+/-10.211 χ²/NDF: 65.0/47
Right: -19.486+/-14.639 χ²/NDF: 102.4/69
In: 30.402+/-11.944 χ²/NDF:75.8/55
Out: 25.353+/-11.745 χ²/NDF:107.1/61
All: 27.835+/-8.375 χ²/NDF: 183.0/117



Right In: 87.669+/-0.014 χ^2/NDF: 4587910.5/32

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

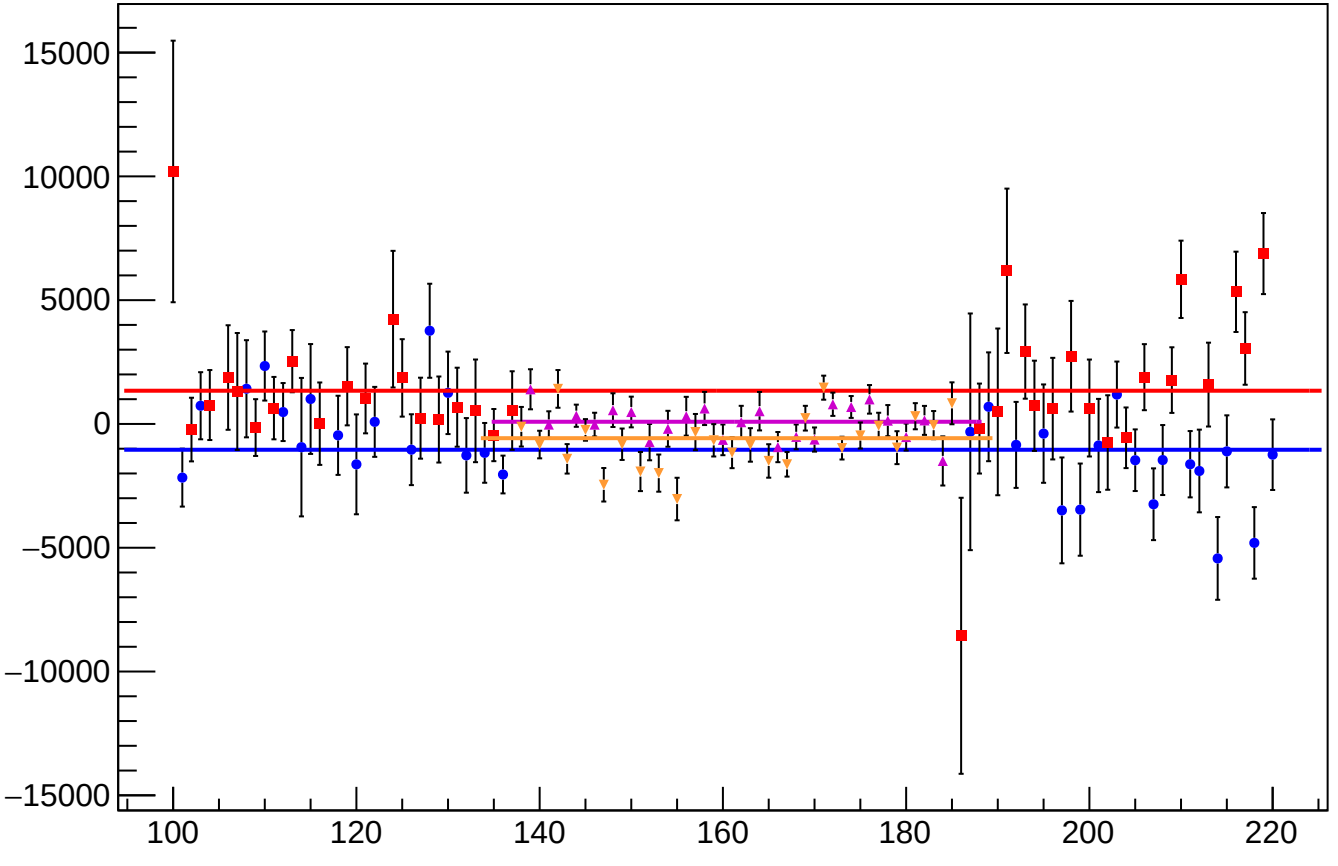
Right: 88.497+/-0.010 χ^2/NDF: 10373801.7/69

In: 70.849+/-0.008 χ^2/NDF:7237179.1/55

Out: 70.281+/-0.008 χ^2/NDF:8834288.5/61

All: 70.560+/-0.006 χ^2/NDF: 16073770.1/117

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1042.462+/-260.449 χ^2/NDF: 46.8/32

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 1341.960+/-268.772 χ^2/NDF: 52.3/36

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

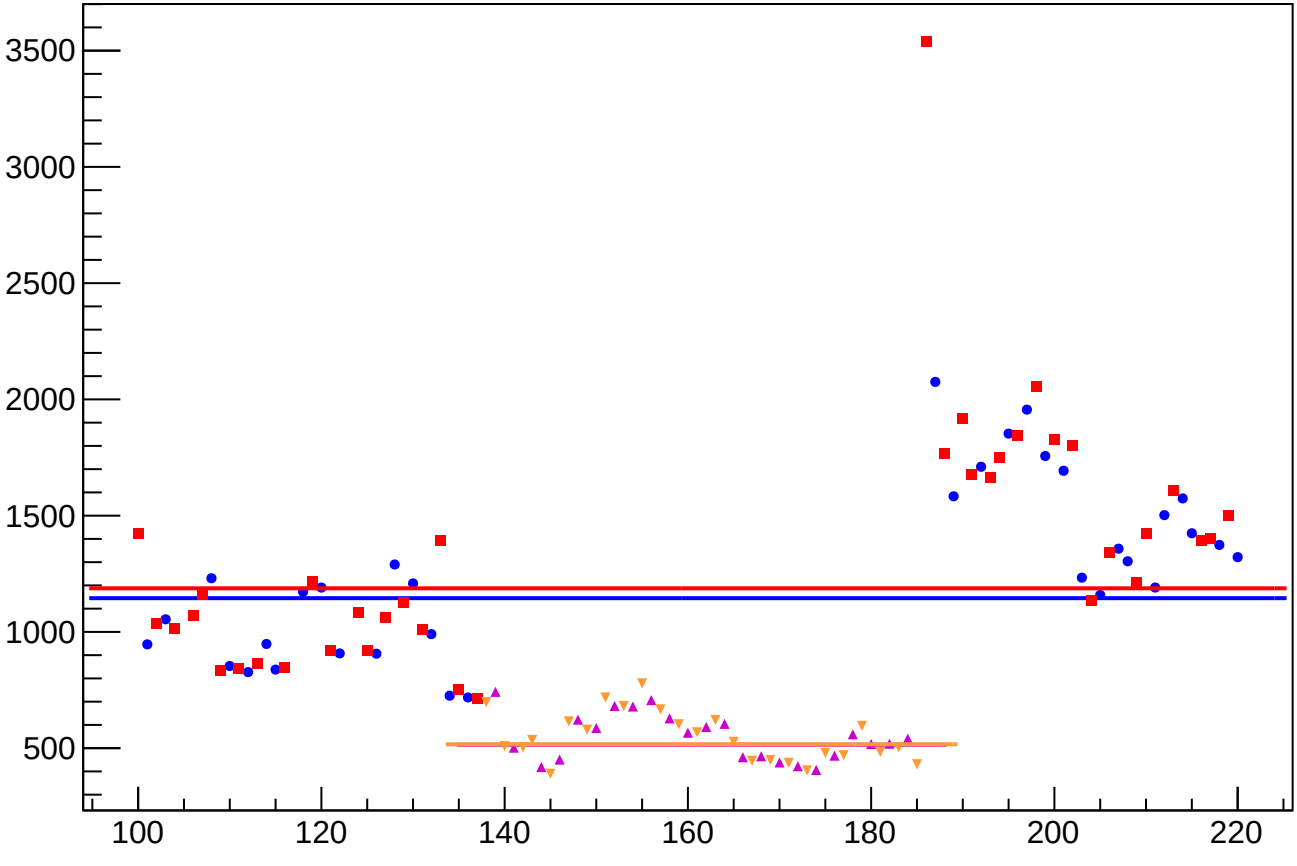
Right: 112.259+/-187.038 χ^2/NDF: 139.7/69

In: -116.487+/-110.845 χ^2/NDF:86.8/55

Out: -257.395+/-109.374 χ^2/NDF:163.5/61

All: -187.882+/-77.854 χ^2/NDF: 251.1/117

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1145.133+/-0.184 χ^2/NDF: 3121677.8/32

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1187.526+/-0.190 χ^2/NDF: 3631156.9/36

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

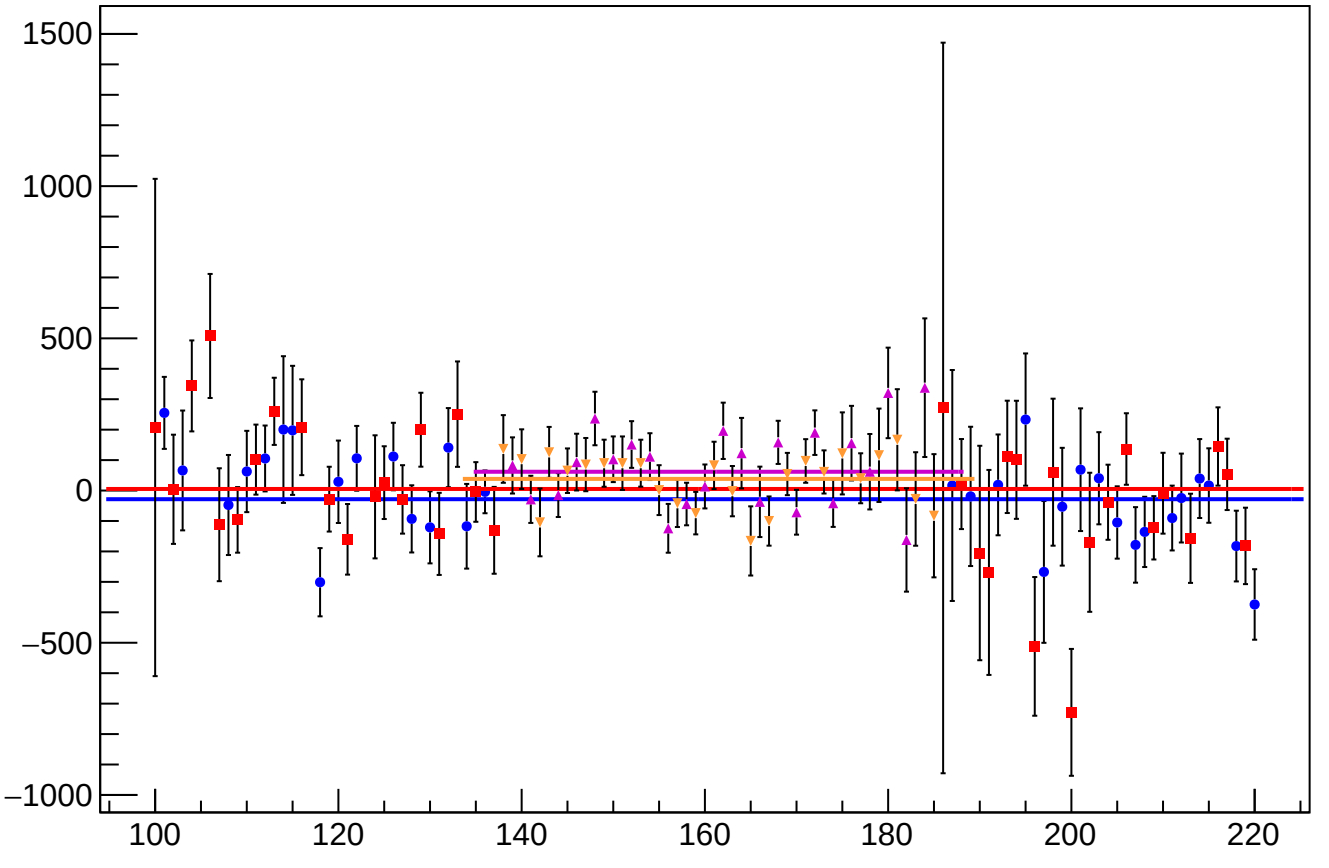
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1165.663+/-0.132 χ^2/NDF: 6778496.3/69

In: 628.956+/-0.078 χ^2/NDF:13835384.1/55

Out: 627.734+/-0.077 χ^2/NDF:15294135.9/61

All: 628.337+/-0.055 χ^2/NDF: 29129643.2/11



Right In: -28.425+/-22.917 χ^2/NDF: 39.7/32

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 5.206+/-23.643 χ^2/NDF: 56.8/36

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

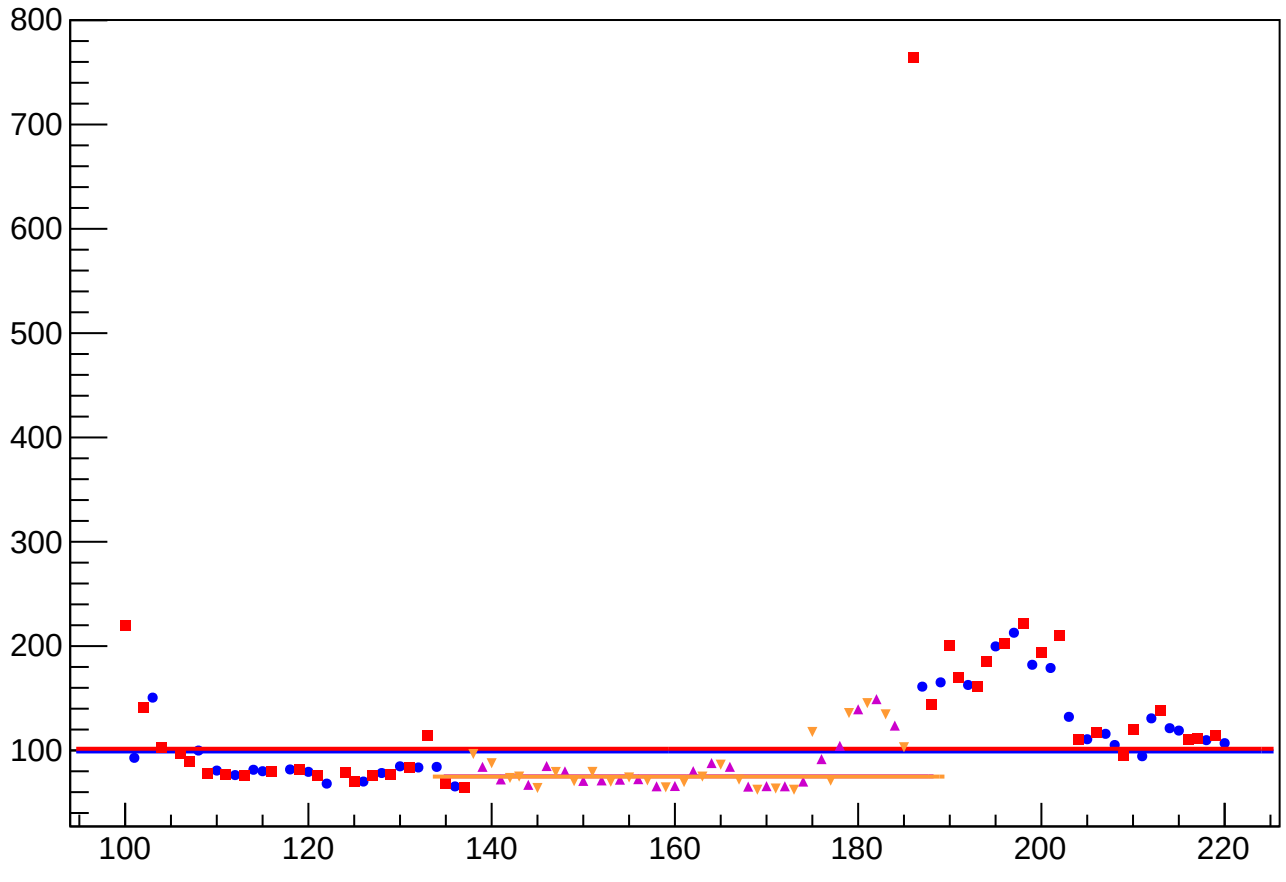
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -12.134+/-16.455 χ^2/NDF: 97.5/69

In: 26.876+/-14.248 χ^2/NDF:85.9/55

Out: 26.429+/-14.154 χ^2/NDF:76.8/61

All: 26.651+/-10.041 χ^2/NDF: 162.8/117



Right In: 99.001+/-0.016 χ^2/NDF: 3796671.8/32

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 101.581+/-0.017 χ^2/NDF: 5003537.9/36

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

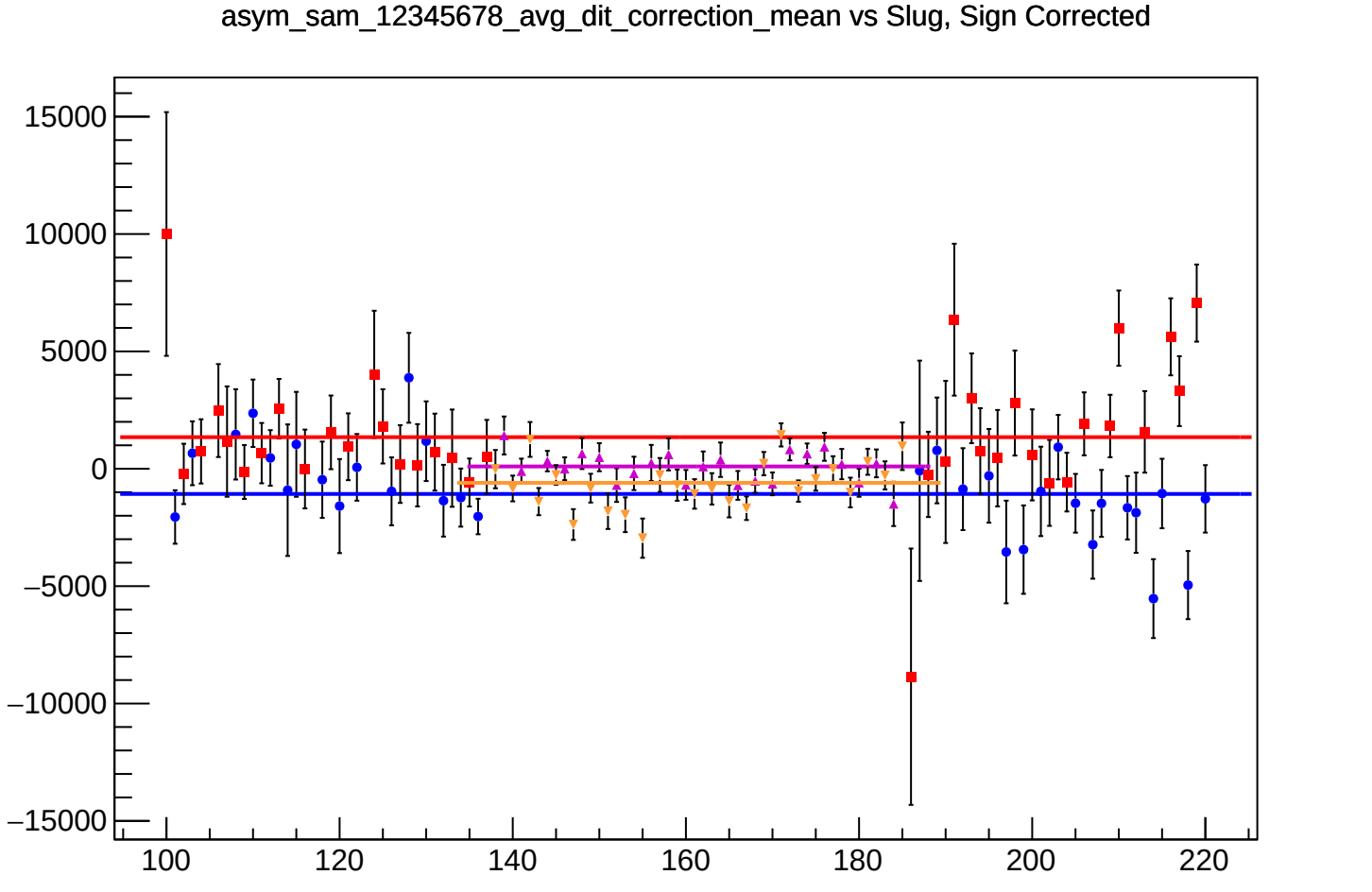
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

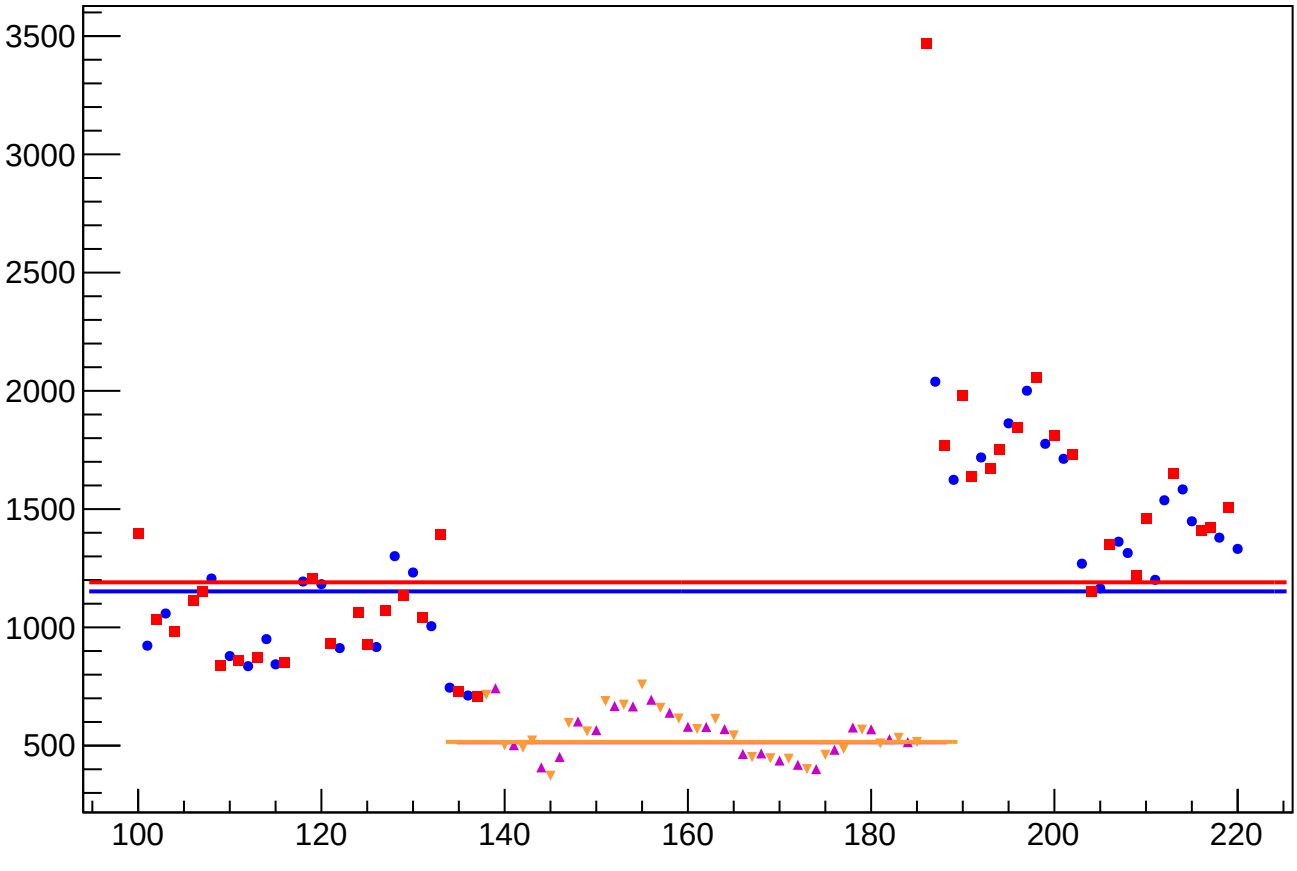
Right: 100.251+/-0.012 χ^2/NDF: 8812491.4/69

In: 84.373+/-0.010 χ^2/NDF:6437563.5/55

Out: 84.463+/-0.010 χ^2/NDF:8298983.5/61

All: 84.419+/-0.007 χ^2/NDF: 14736587.2/117


asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1072.324+/-262.207 χ²/NDF: 46.2/32
Left Out: -598.826+/-119.324 χ²/NDF:65.0/24
Right Out: 1346.666+/-269.080 χ²/NDF: 55.8/36
Left In: 99.102+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 105.882+/-187.791 χ²/NDF: 143.5/69
In: -110.238+/-110.844 χ²/NDF:86.3/55
Out: -279.119+/-109.080 χ²/NDF:164.5/61
All: -196.033+/-77.747 χ²/NDF: 252.0/117



Right In: 1152.103+/-0.185 χ^2/NDF: 3193624.0/32

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1190.502+/-0.190 χ^2/NDF: 3658432.5/36

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

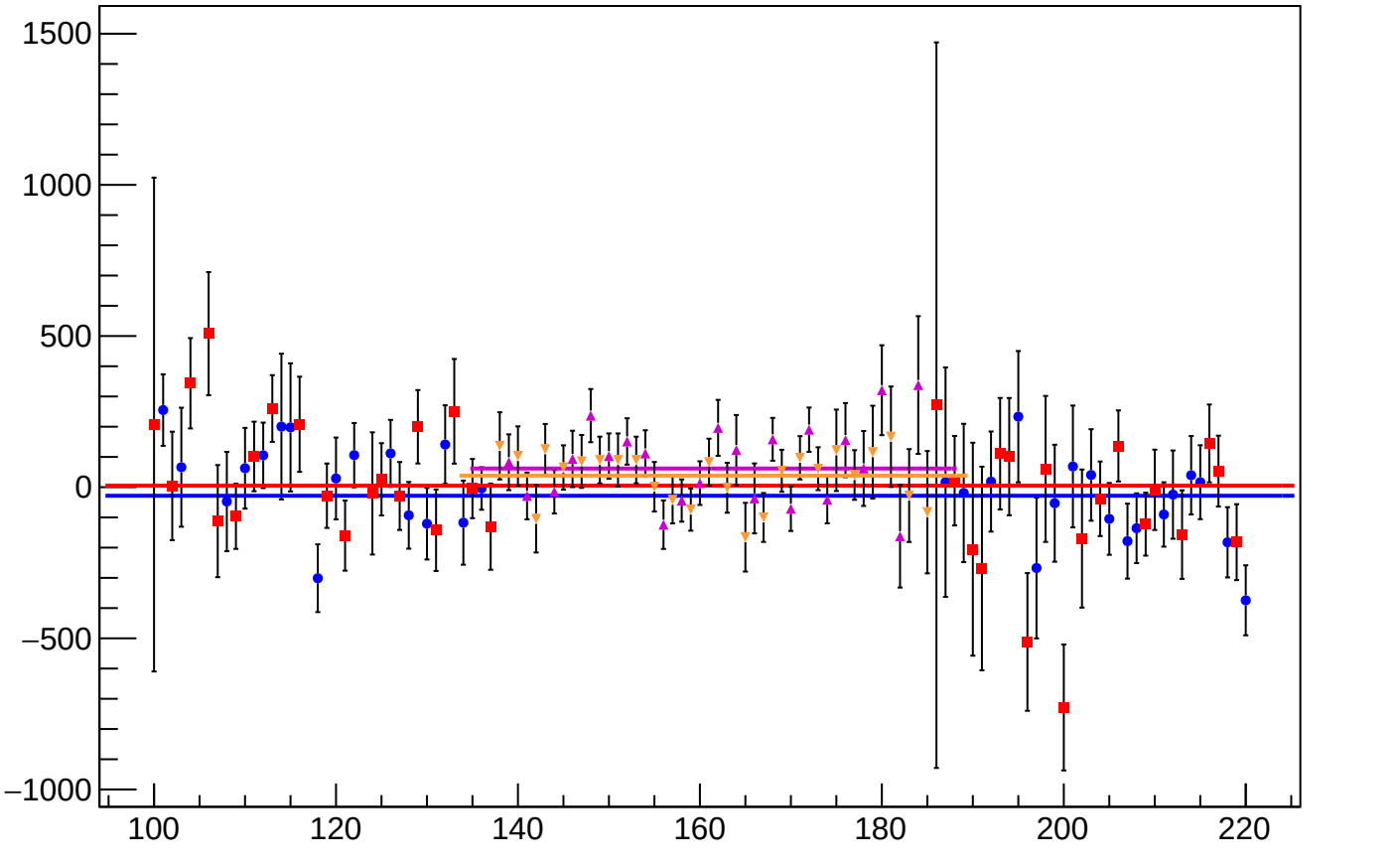
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1170.806+/-0.133 χ^2/NDF: 6872947.9/69

In: 628.105+/-0.078 χ^2/NDF:14035810.3/55

Out: 626.644+/-0.077 χ^2/NDF:15400207.6/61

All: 627.362+/-0.055 χ^2/NDF: 29436194.4/11



Right In: -28.423+/-22.917 χ^2/NDF: 39.7/32

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 5.204+/-23.643 χ^2/NDF: 56.8/36

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

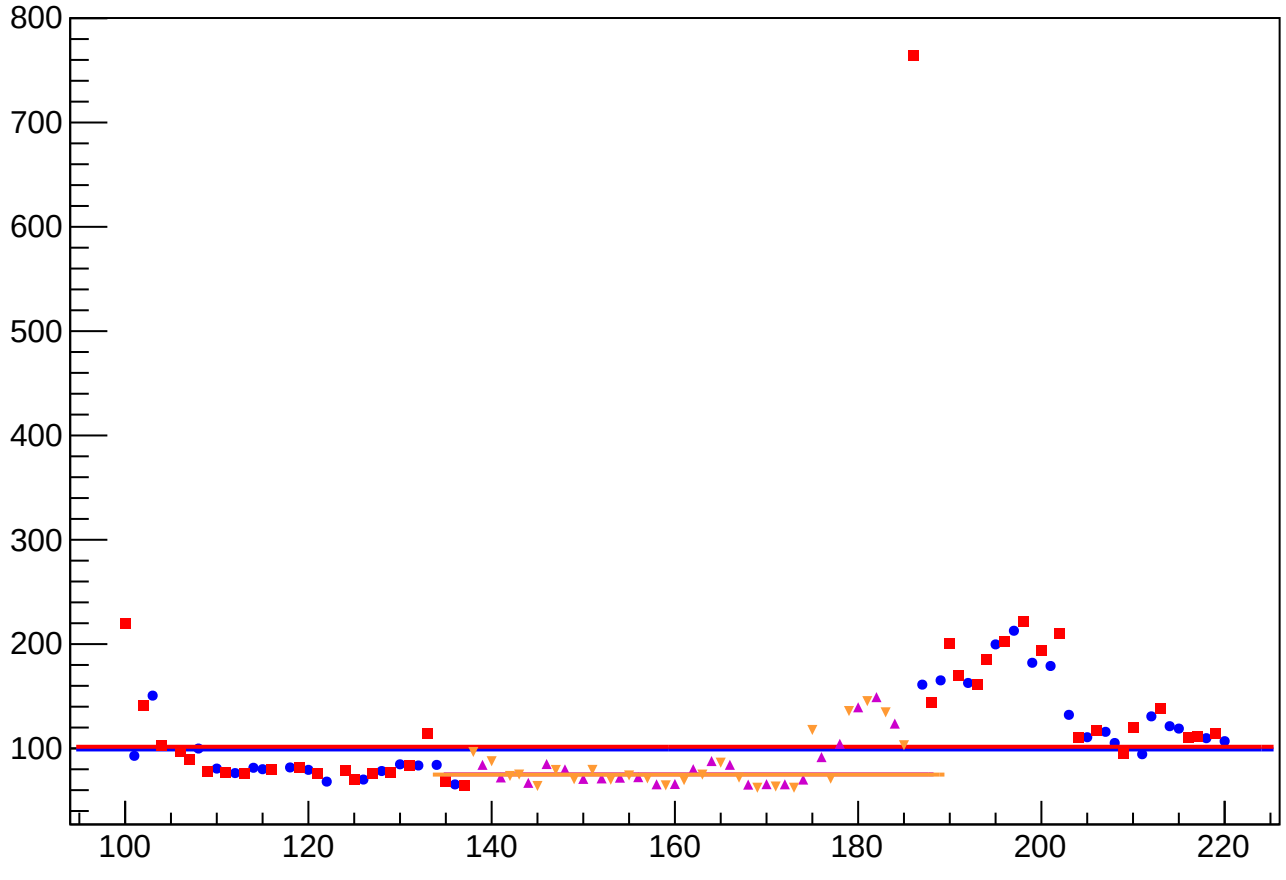
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -12.135+/-16.455 χ^2/NDF: 97.5/69

In: 26.876+/-14.248 χ^2/NDF:85.9/55

Out: 26.428+/-14.154 χ^2/NDF:76.8/61

All: 26.650+/-10.041 χ^2/NDF: 162.8/117



Right In: 99.001+/-0.016 χ^2/NDF: 3796685.6/32

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 101.581+/-0.017 χ^2/NDF: 5003566.3/36

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

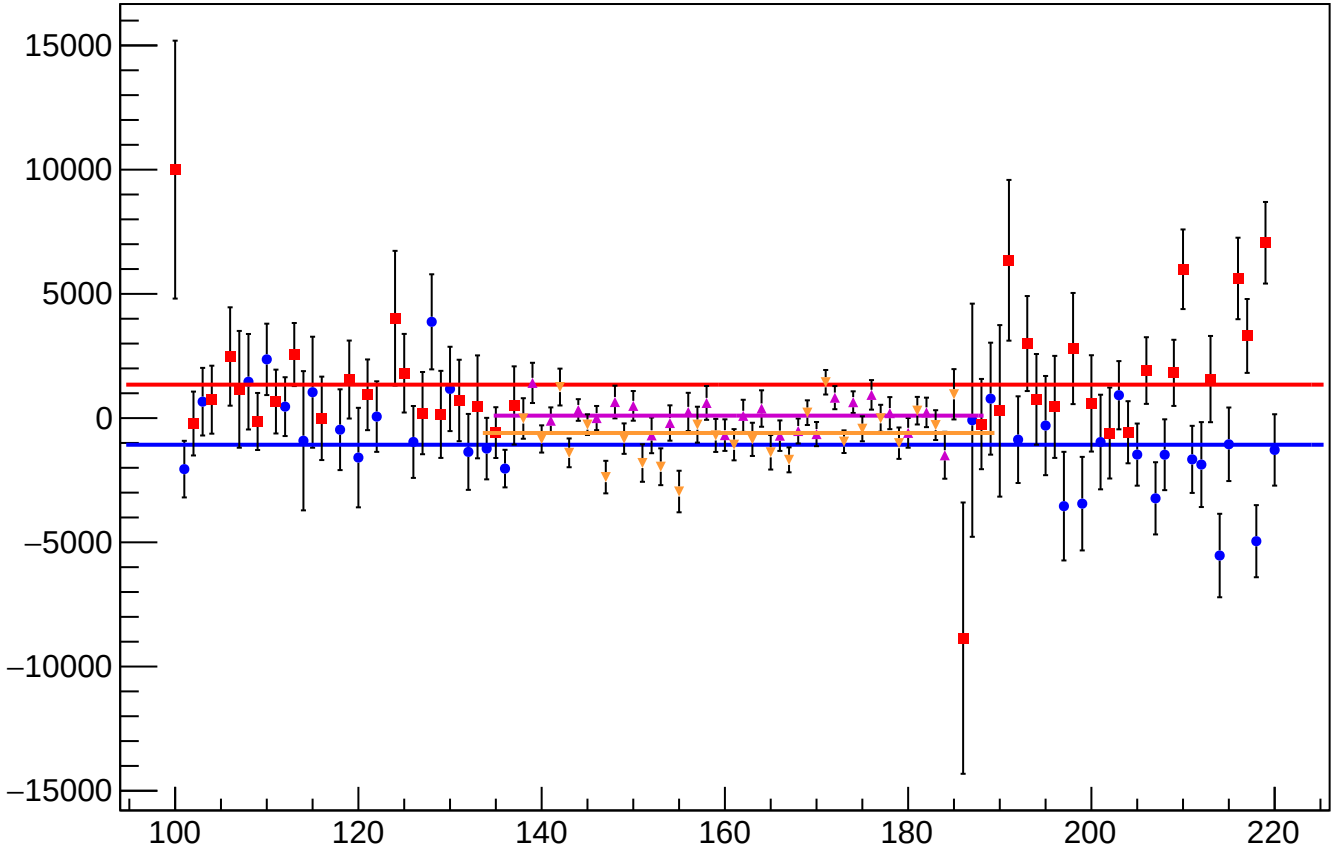
Right: 100.251+/-0.012 χ^2/NDF: 8812533.8/69

In: 84.373+/-0.010 χ^2/NDF:6437510.8/55

Out: 84.463+/-0.010 χ^2/NDF:8298959.6/61

All: 84.419+/-0.007 χ^2/NDF: 14736510.6/117

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1072.320+/-262.207 χ^2/NDF: 46.2/32

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 1346.663+/-269.080 χ^2/NDF: 55.8/36

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

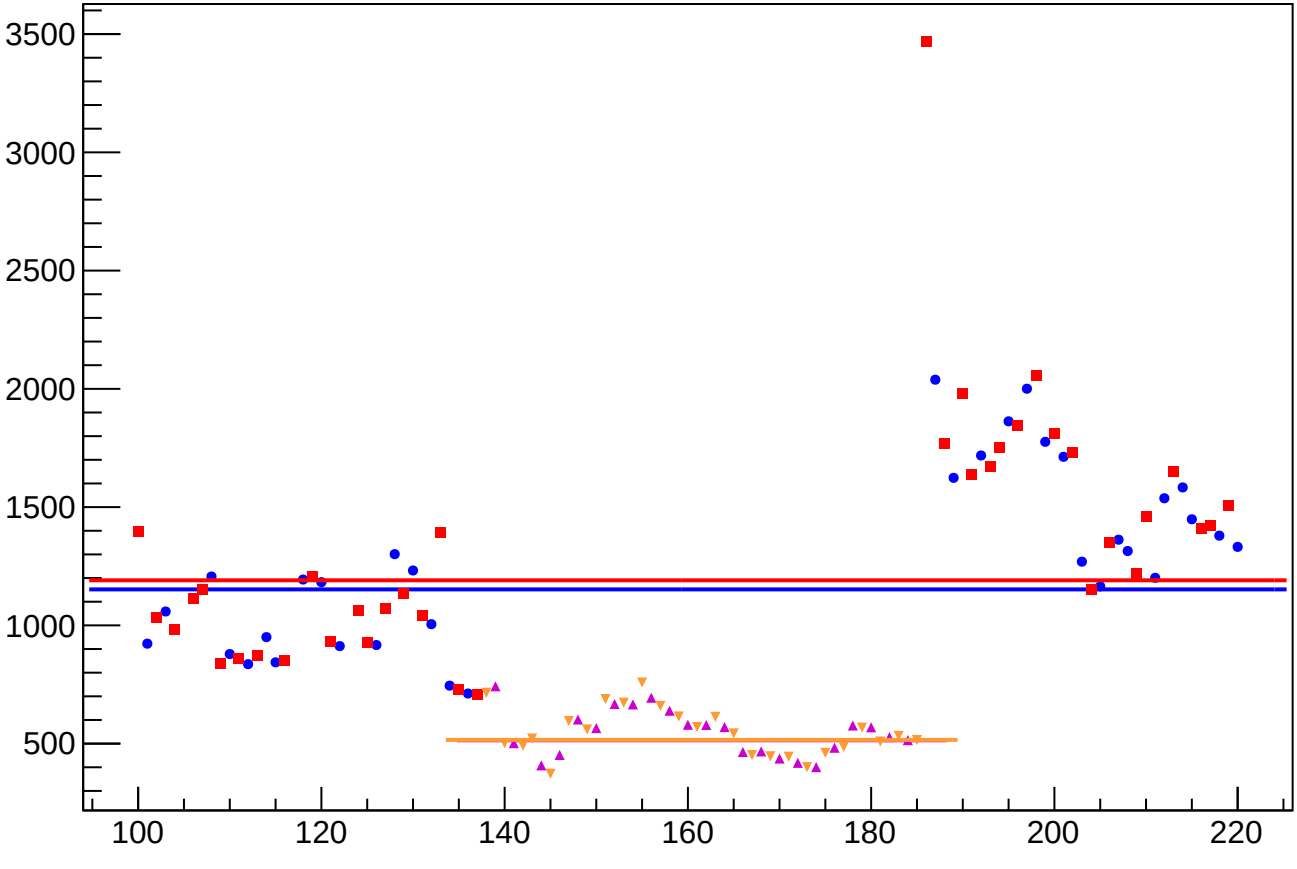
Right: 105.882+/-187.791 χ^2/NDF: 143.5/69

In: -110.238+/-110.844 χ^2/NDF:86.3/55

Out: -279.118+/-109.079 χ^2/NDF:164.5/61

All: -196.033+/-77.747 χ^2/NDF: 252.0/117

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1152.101+/-0.185 χ^2/NDF: 3193634.7/32

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1190.500+/-0.190 χ^2/NDF: 3658445.8/36

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

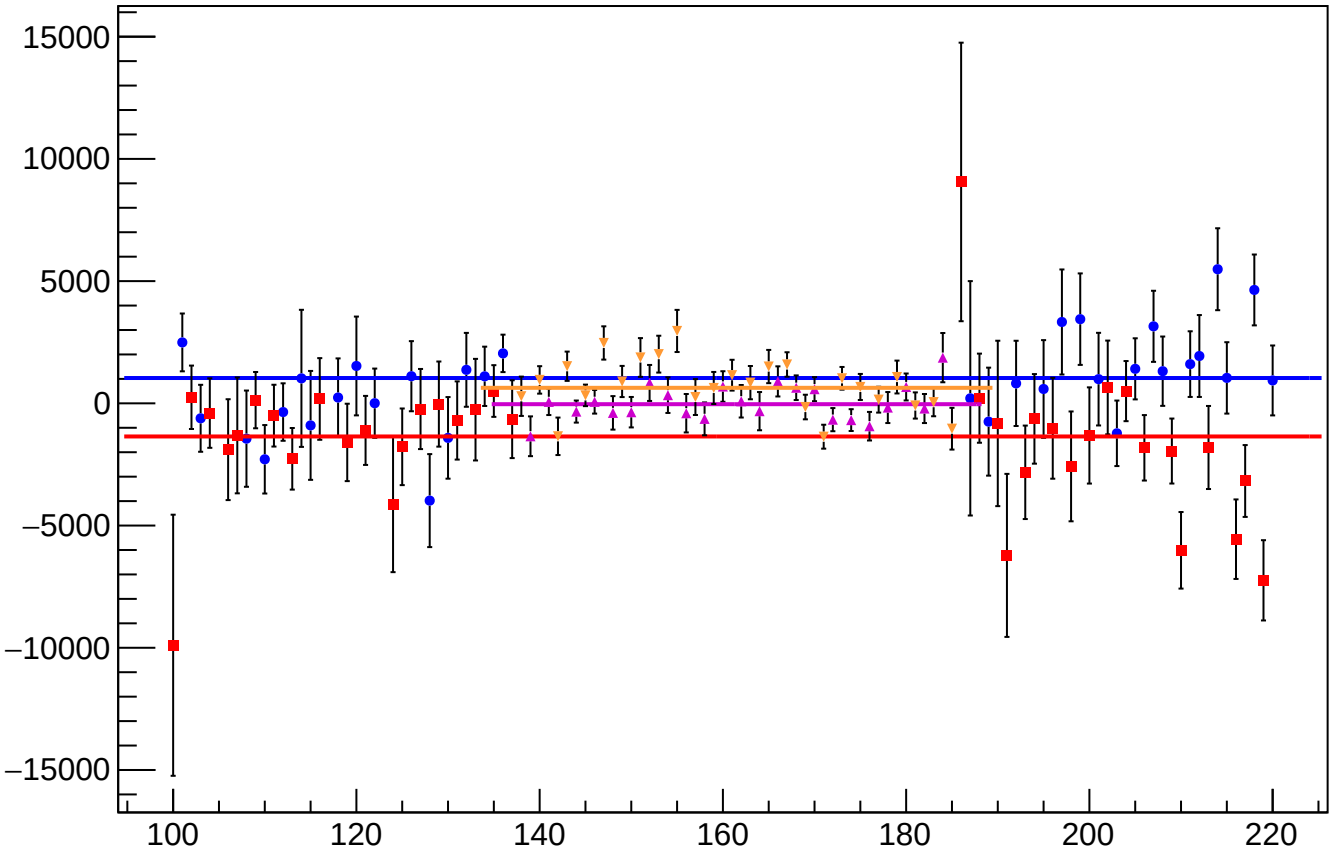
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1170.804+/-0.133 χ^2/NDF: 6872971.8/69

In: 628.103+/-0.078 χ^2/NDF:14035816.5/55

Out: 626.642+/-0.077 χ^2/NDF:15400221.0/61

All: 627.361+/-0.055 χ^2/NDF: 29436214.1/11



Right In: 1035.899+/-261.519 χ^2/NDF: 46.4/32

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -1355.377+/-269.672 χ^2/NDF: 55.0/36

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

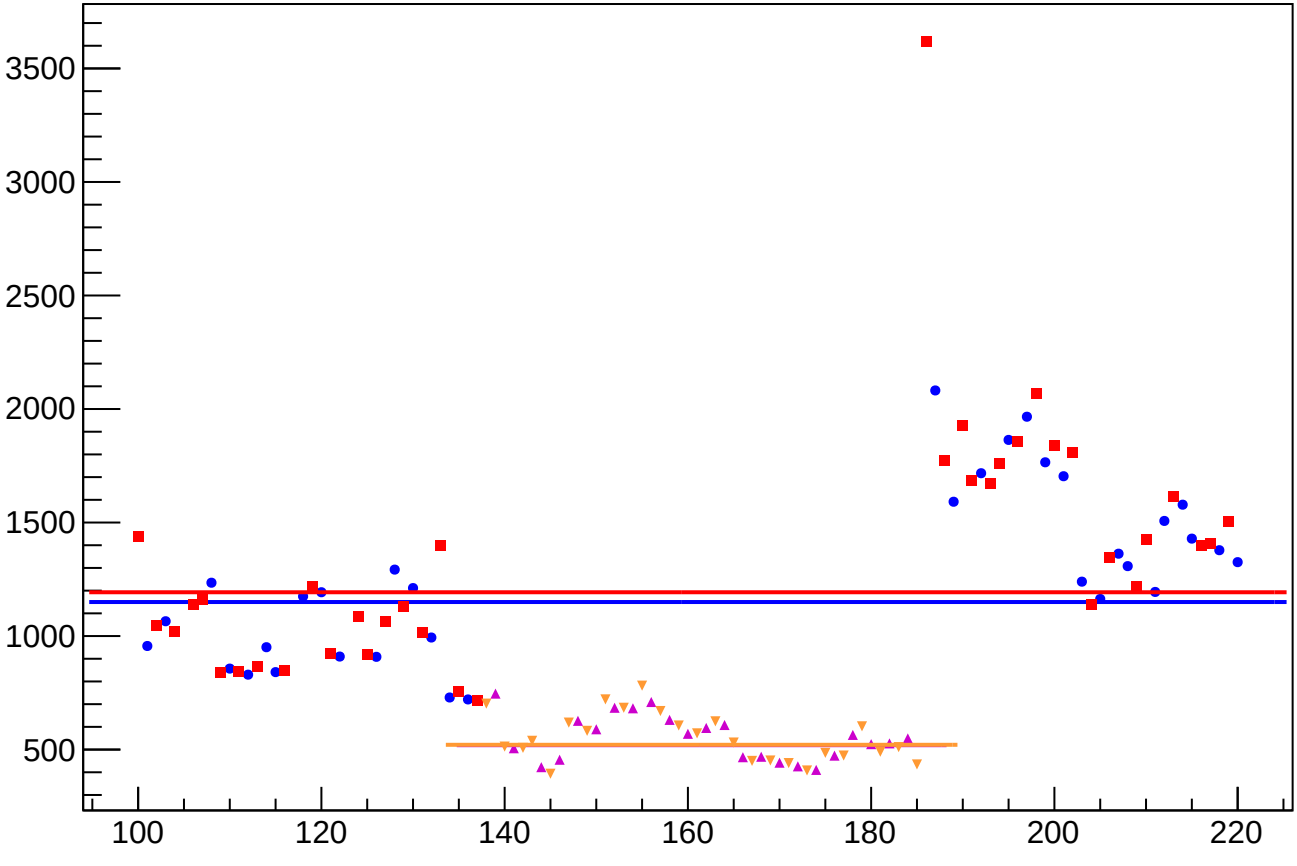
Right: -123.047+/-187.738 χ^2/NDF: 141.9/69

In: 160.476+/-111.687 χ^2/NDF:85.2/55

Out: 302.558+/-110.181 χ^2/NDF:164.9/61

All: 232.481+/-78.437 χ^2/NDF: 250.9/117

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1149.853+/-0.185 χ^2/NDF: 3120899.6/32

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1192.887+/-0.191 χ^2/NDF: 3639304.2/36

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

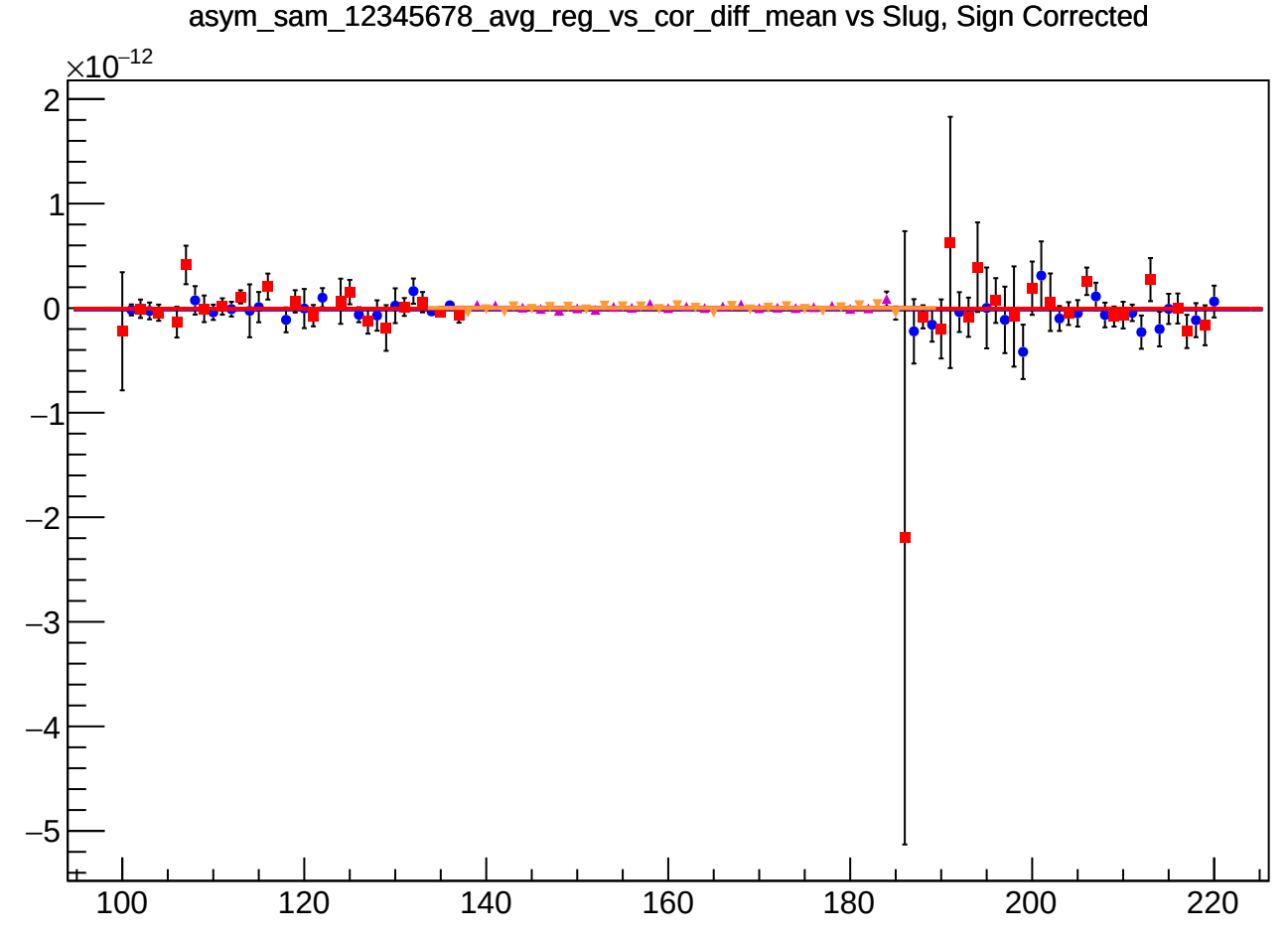
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1170.709+/-0.133 χ^2/NDF: 6786450.5/69

In: 634.256+/-0.079 χ^2/NDF:13729625.4/55

Out: 633.182+/-0.078 χ^2/NDF:15224167.4/61

All: 633.711+/-0.055 χ^2/NDF: 28953886.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

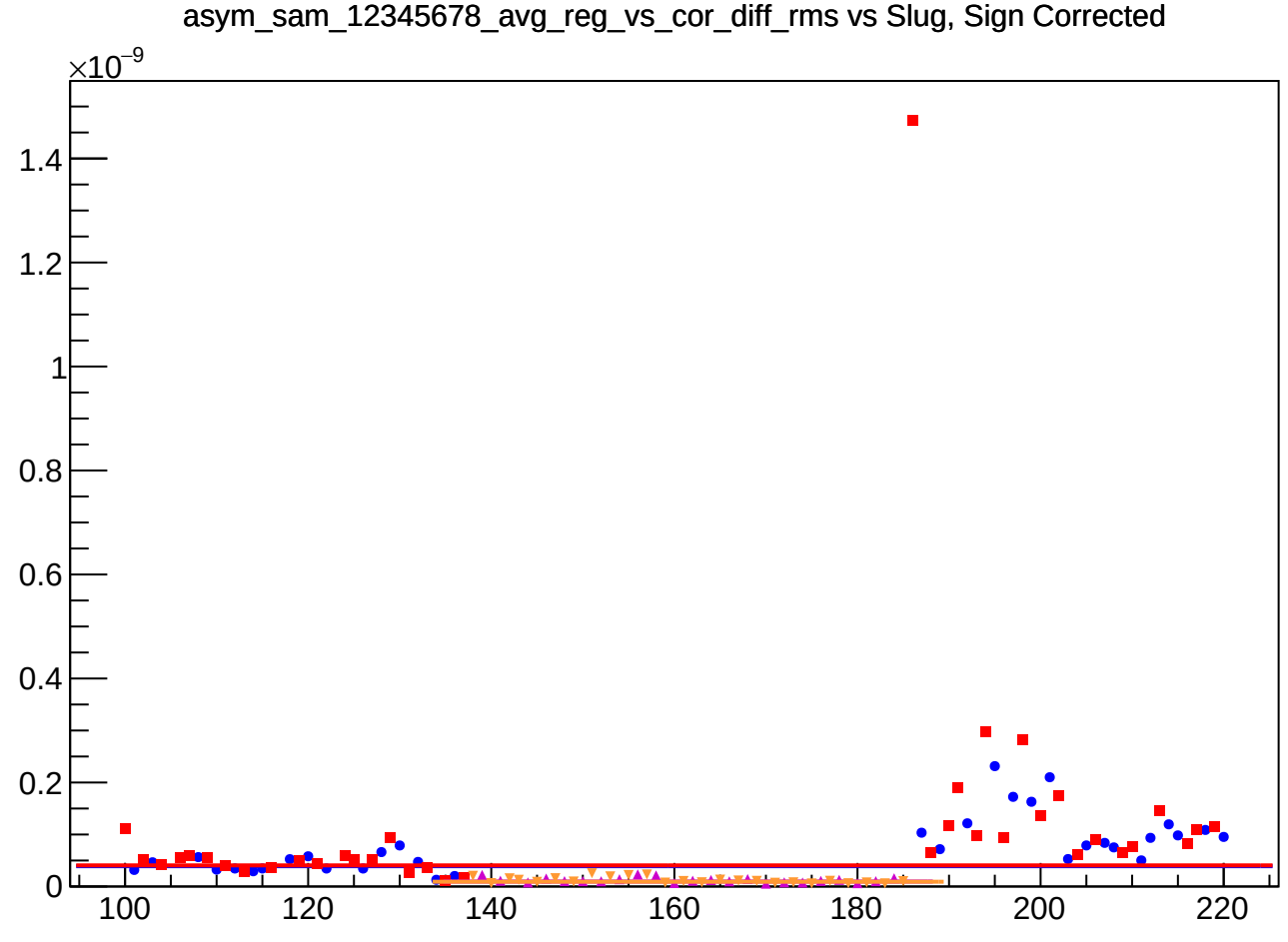
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/69

In: 0.000+/-0.000 χ^2/NDF:29.9/55

Out: 0.000+/-0.000 χ^2/NDF:55.1/61

All: 0.000+/-0.000 χ^2/NDF: 85.1/117



Right In: 0.000+/-0.000 χ^2/NDF: 6627838.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7397019.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

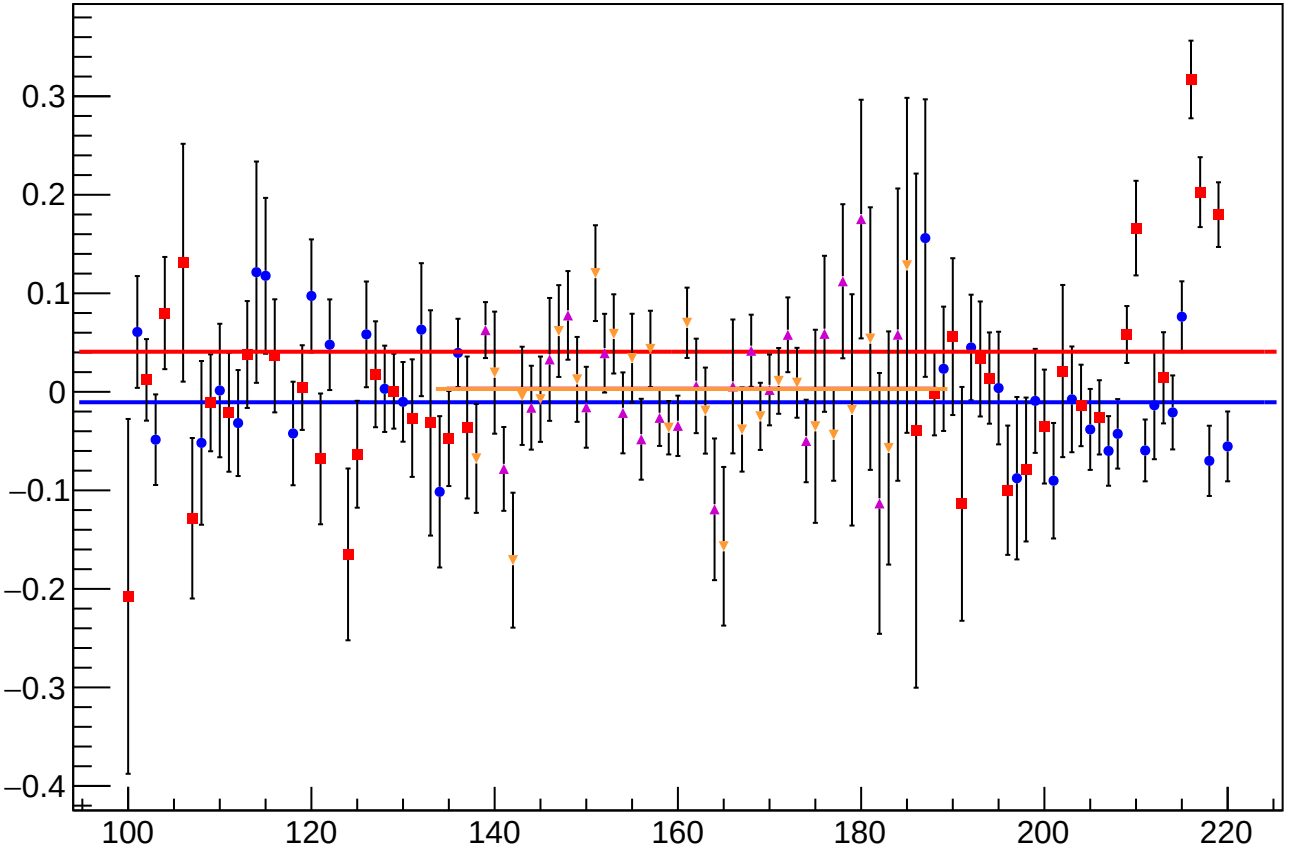
Right: 0.000+/-0.000 χ^2/NDF: 14034151.1/69

In: 0.000+/-0.000 χ^2/NDF:14656857.9/55

Out: 0.000+/-0.000 χ^2/NDF:15815160.3/61

All: 0.000+/-0.000 χ^2/NDF: 30505017.3/117

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.008 χ^2/NDF: 40.2/32

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

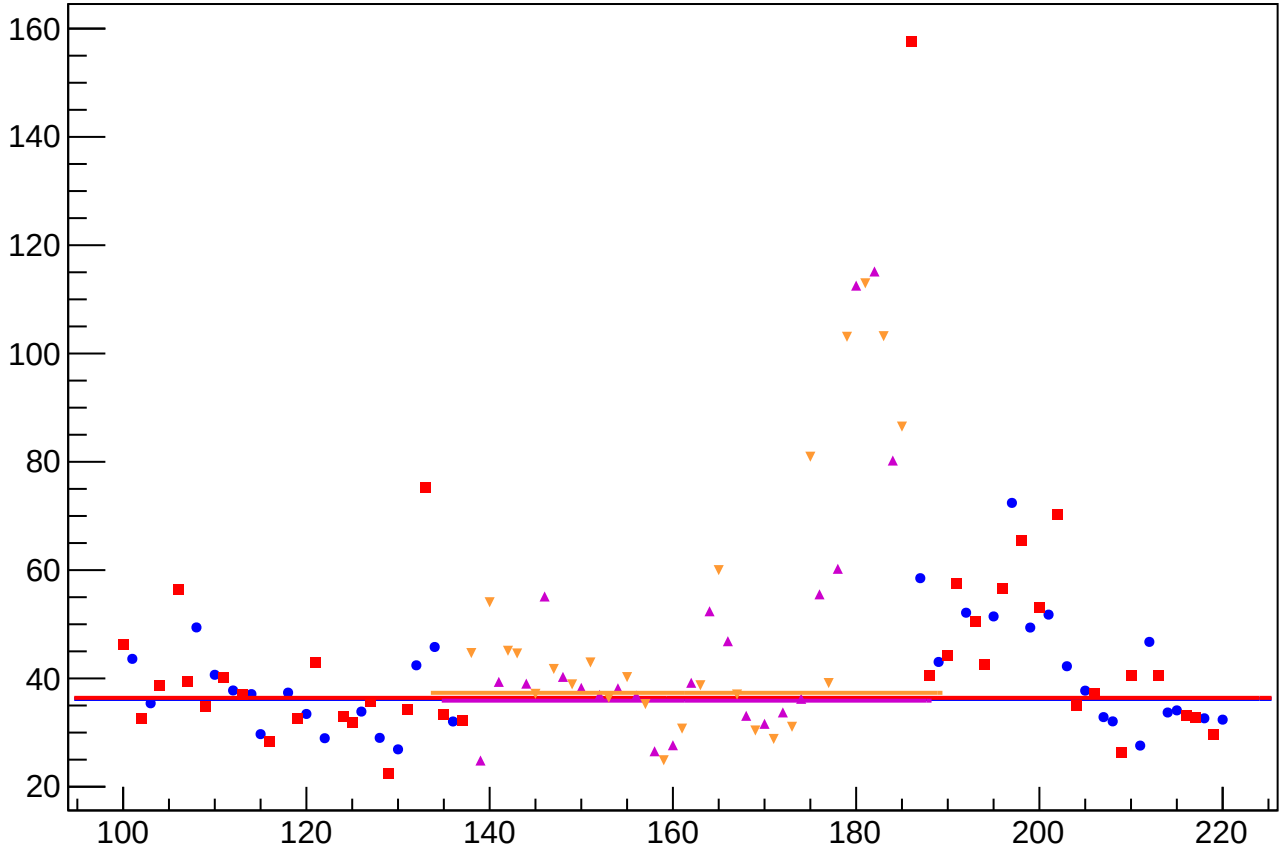
Right: 0.015+/-0.006 χ^2/NDF: 201.3/69

In: -0.004+/-0.006 χ^2/NDF:71.2/55

Out: 0.023+/-0.006 χ^2/NDF:184.6/61

All: 0.009+/-0.004 χ^2/NDF: 265.7/117

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.206+/-0.006 χ^2/NDF: 1806994.8/32

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

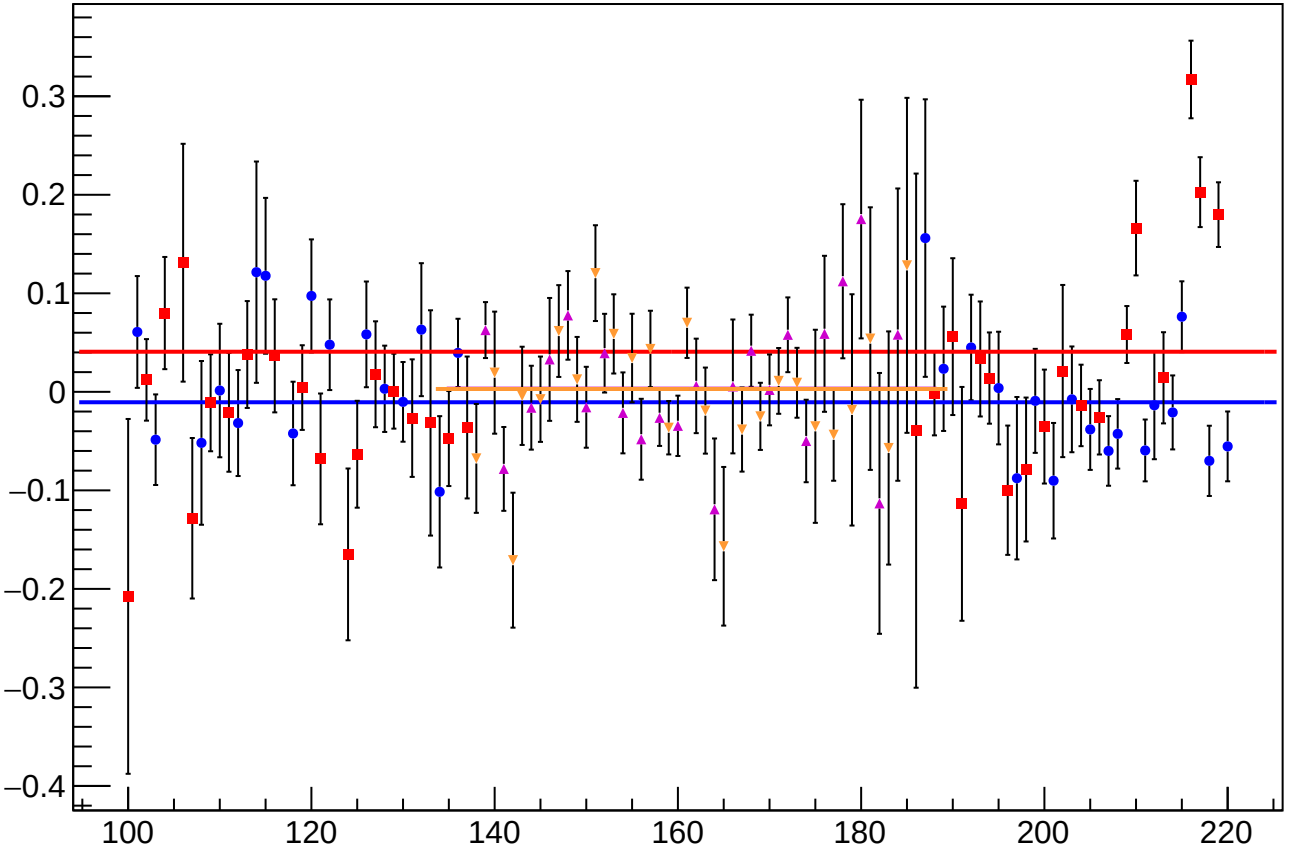
Right: 36.309+/-0.004 χ^2/NDF: 4569527.3/69

In: 36.065+/-0.004 χ^2/NDF:4946538.3/55

Out: 36.838+/-0.004 χ^2/NDF:6469529.7/61

All: 36.447+/-0.003 χ^2/NDF: 11431546.2/117

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.008 χ^2/NDF: 40.2/32

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

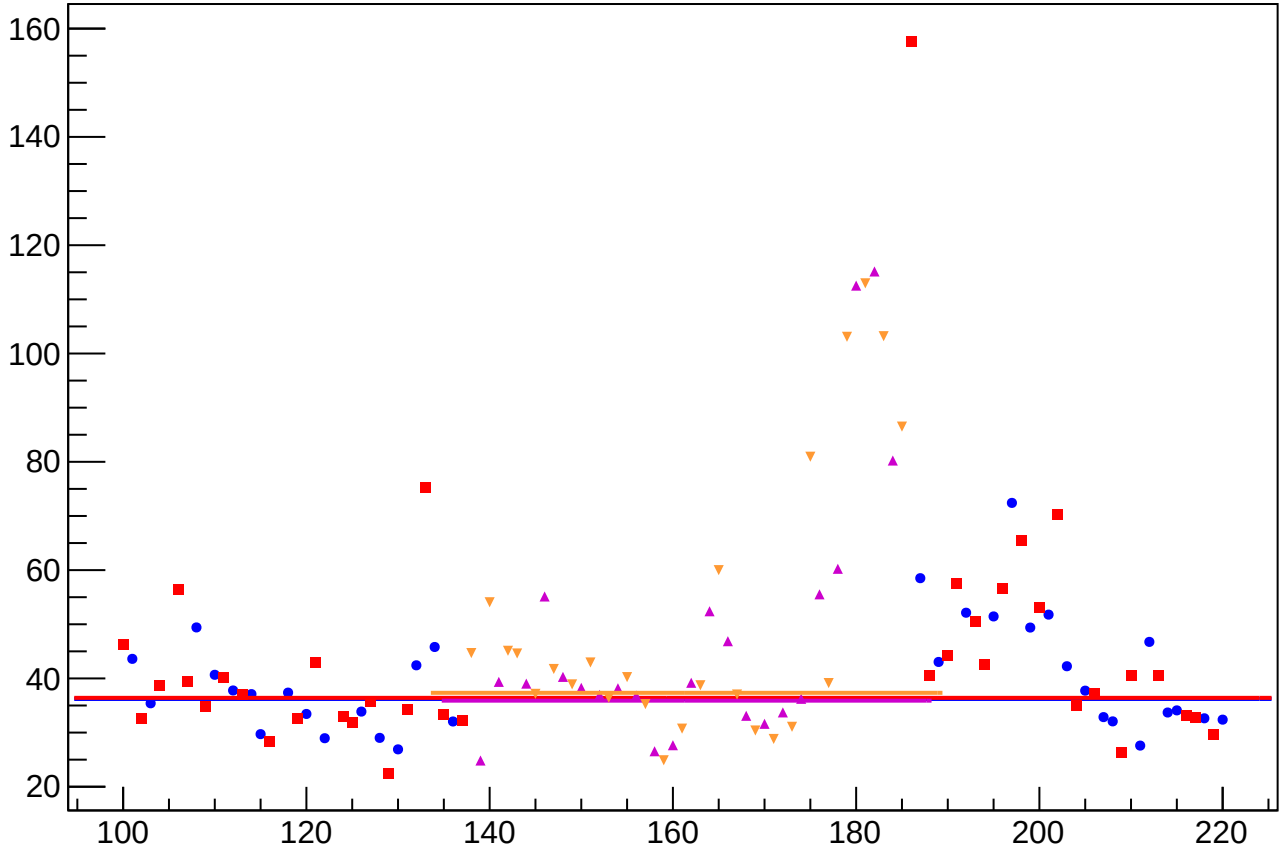
Right: 0.015+/-0.006 χ^2/NDF: 201.3/69

In: -0.004+/-0.006 χ^2/NDF:71.2/55

Out: 0.023+/-0.006 χ^2/NDF:184.6/61

All: 0.009+/-0.004 χ^2/NDF: 265.7/117

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.206+/-0.006 χ^2/NDF: 1806994.8/32

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

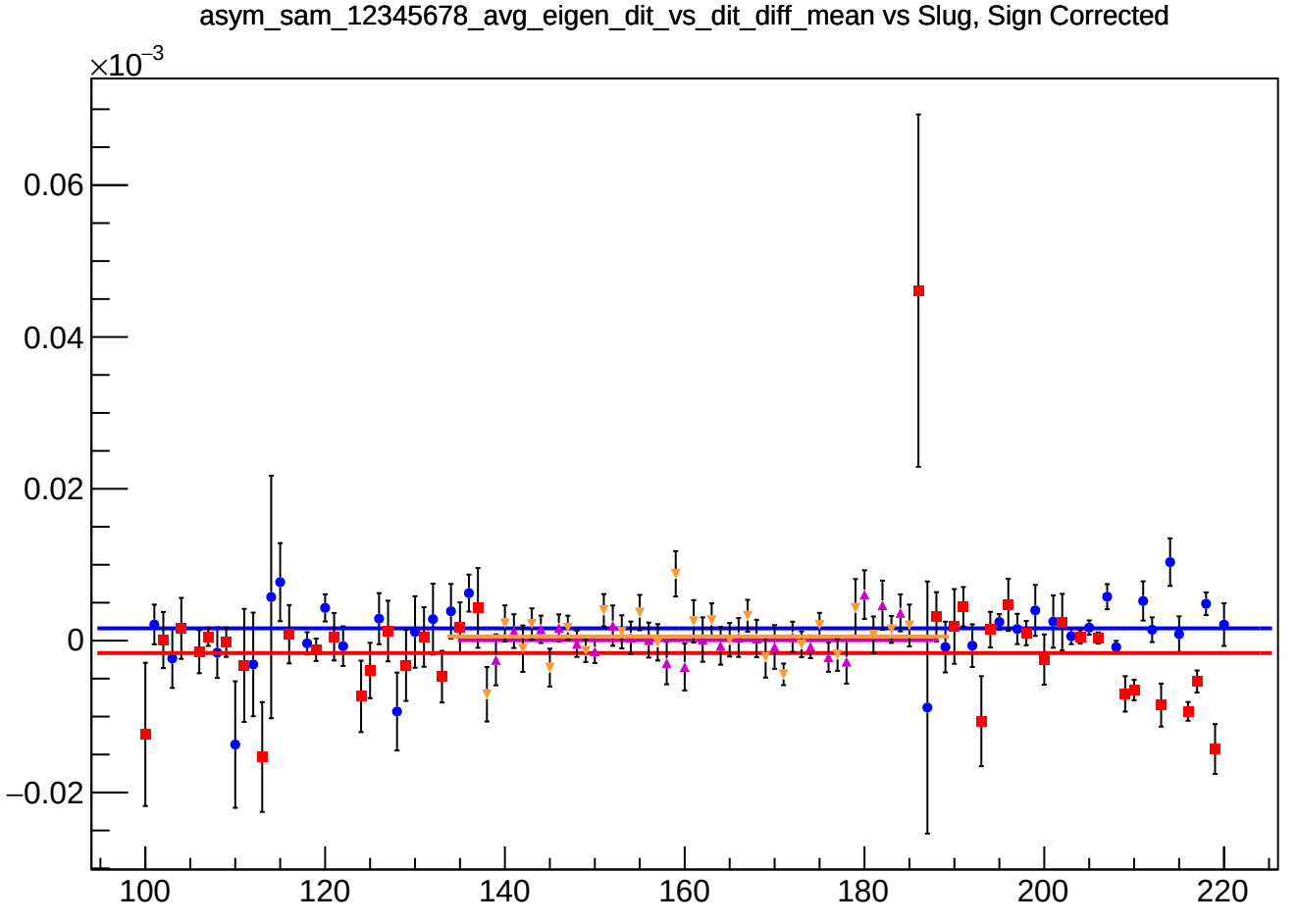
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 36.309+/-0.004 χ^2/NDF: 4569527.3/69

In: 36.065+/-0.004 χ^2/NDF:4946538.3/55

Out: 36.838+/-0.004 χ^2/NDF:6469529.7/61

All: 36.447+/-0.003 χ^2/NDF: 11431546.2/117



Right In: 0.000+/-0.000 χ^2/NDF: 54.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 138.2/36

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

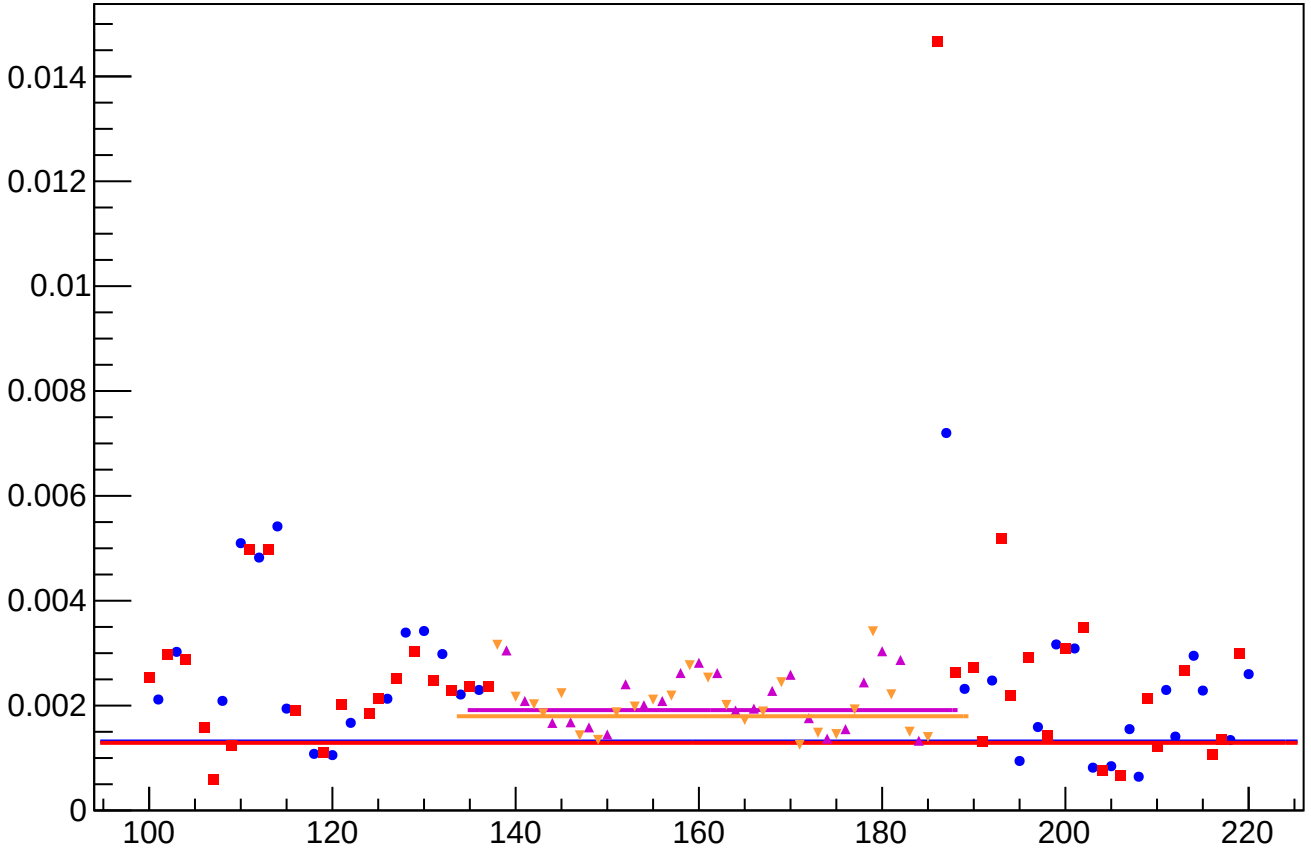
Right: -0.000+/-0.000 χ^2/NDF: 238.8/69

In: 0.000+/-0.000 χ^2/NDF:78.9/55

Out: -0.000+/-0.000 χ^2/NDF:198.0/61

All: 0.000+/-0.000 χ^2/NDF: 300.7/117

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9592528.5/32

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11494569.5/36

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

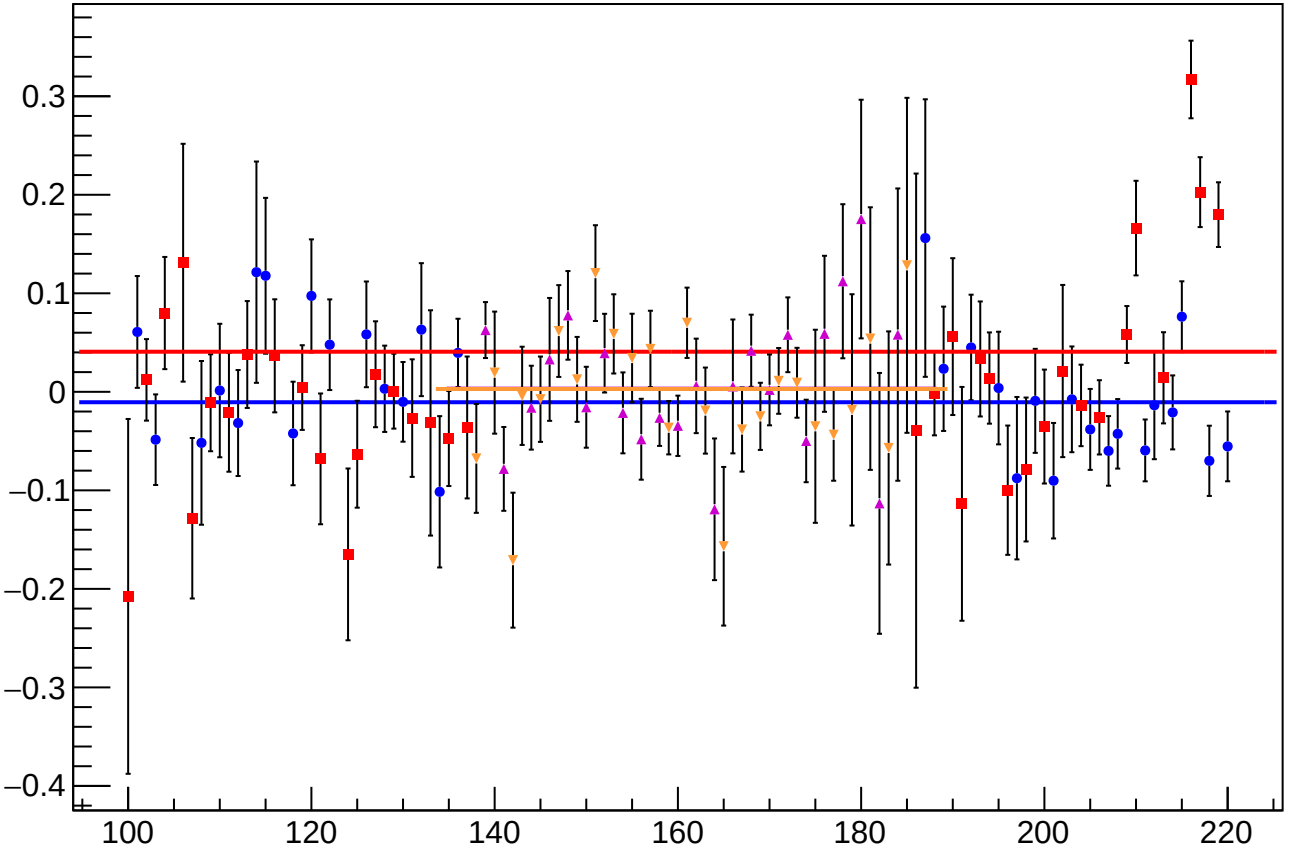
Right: 0.001+/-0.000 χ^2/NDF: 21092805.9/69

In: 0.002+/-0.000 χ^2/NDF:13917453.3/55

Out: 0.001+/-0.000 χ^2/NDF:15523713.3/61

All: 0.002+/-0.000 χ^2/NDF: 29460975.6/117

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.008 χ^2/NDF: 40.2/32

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

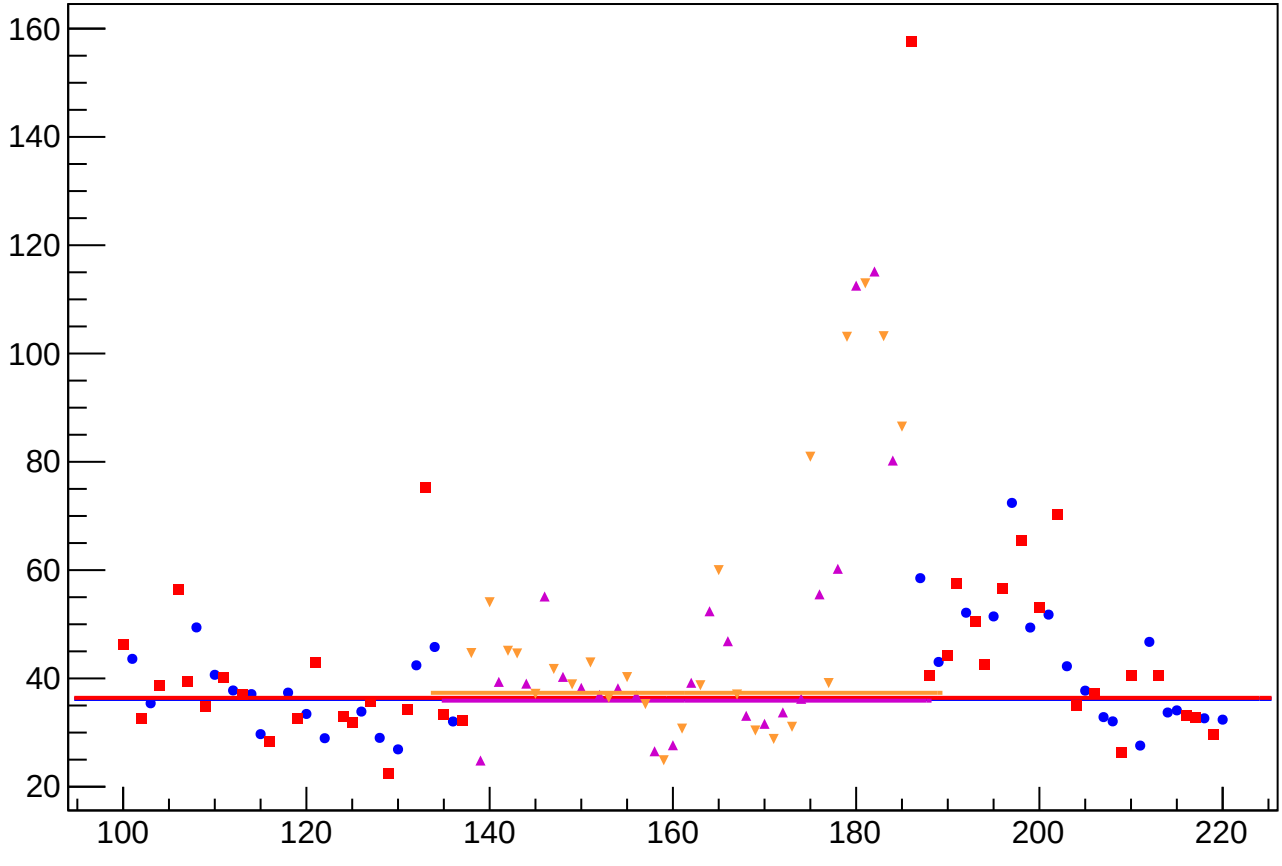
Right: 0.015+/-0.006 χ^2/NDF: 201.3/69

In: -0.004+/-0.006 χ^2/NDF:71.2/55

Out: 0.023+/-0.006 χ^2/NDF:184.5/61

All: 0.009+/-0.004 χ^2/NDF: 265.7/117

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.206+/-0.006 χ^2/NDF: 1807033.1/32

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

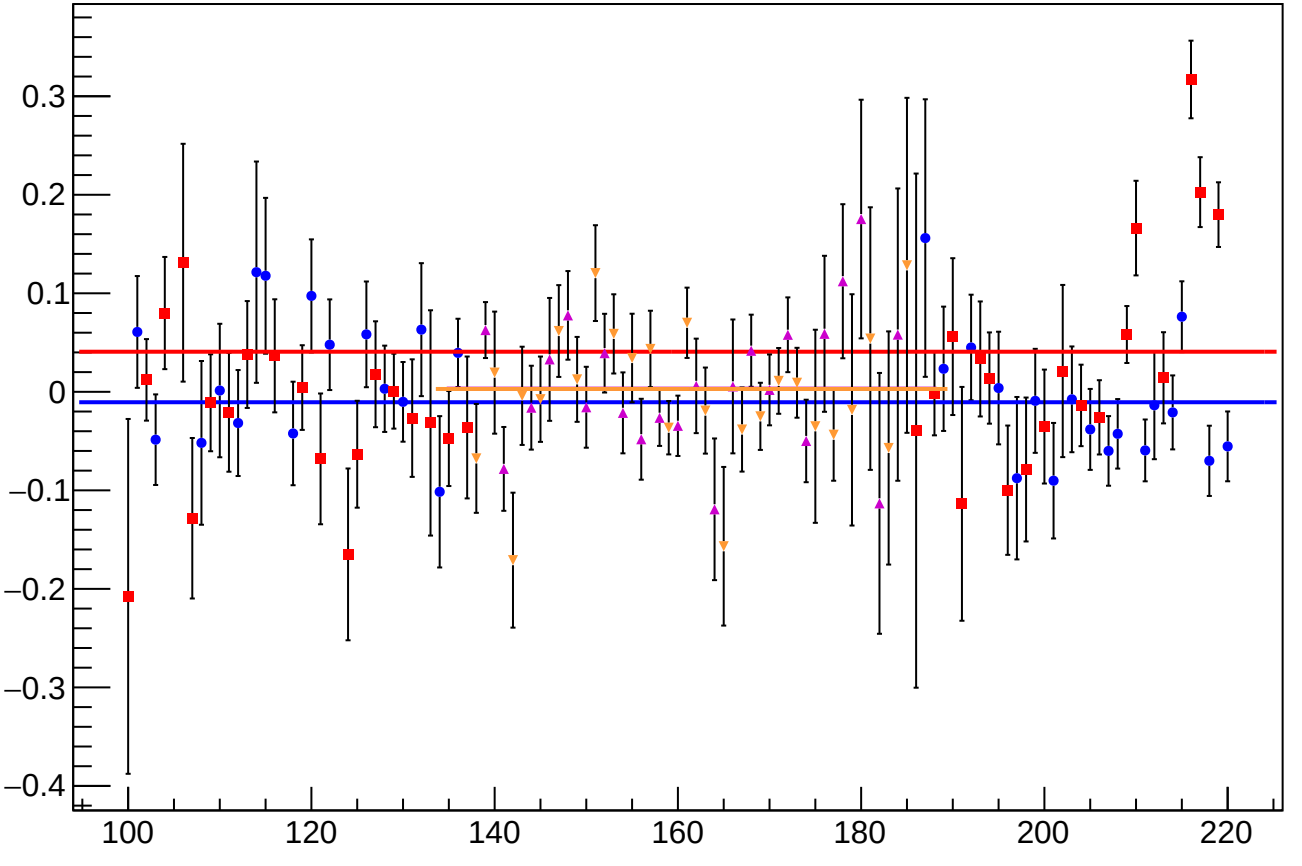
Right: 36.309+/-0.004 χ^2/NDF: 4569646.0/69

In: 36.065+/-0.004 χ^2/NDF:4946586.9/55

Out: 36.838+/-0.004 χ^2/NDF:6469672.7/61

All: 36.447+/-0.003 χ^2/NDF: 11431736.5/117

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.008 χ^2/NDF: 40.2/32

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

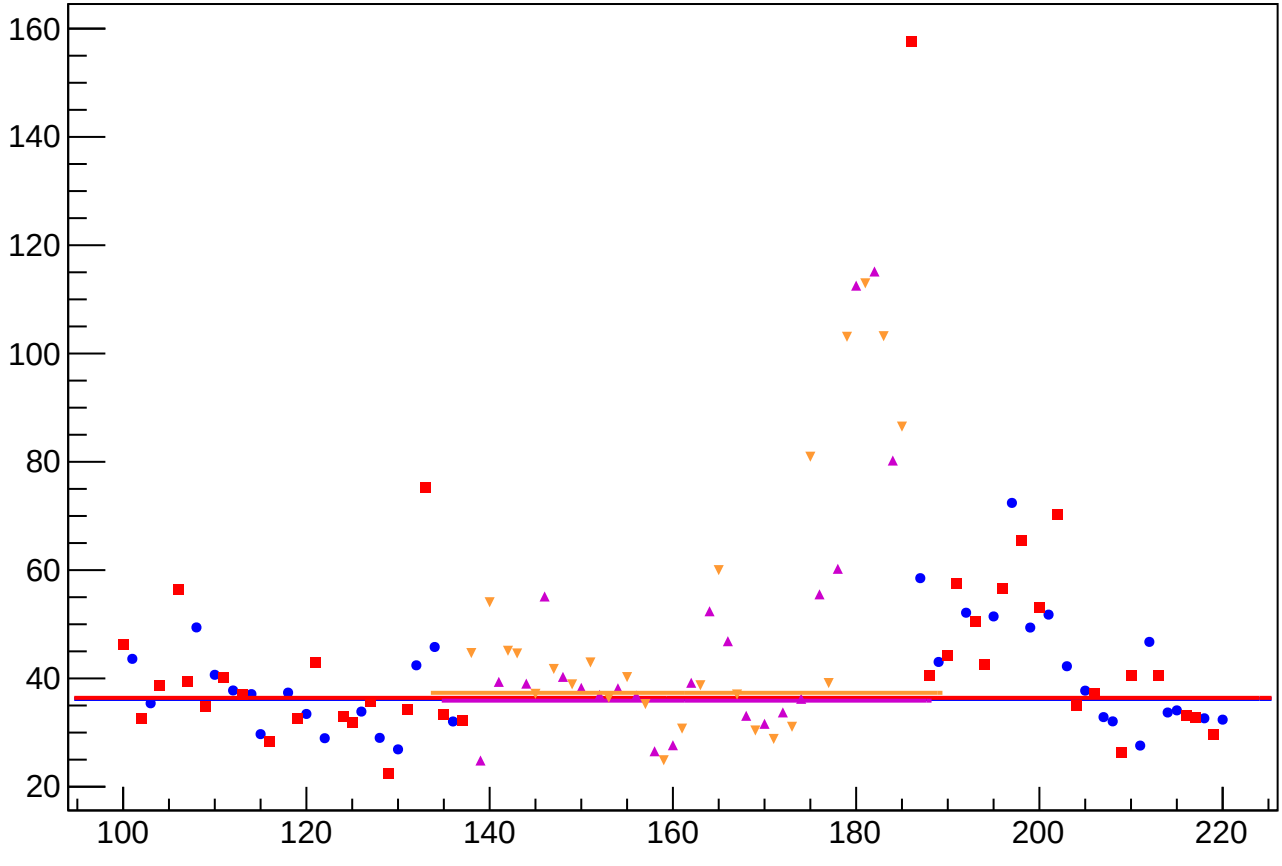
Right: 0.015+/-0.006 χ^2/NDF: 201.3/69

In: -0.004+/-0.006 χ^2/NDF:71.2/55

Out: 0.023+/-0.006 χ^2/NDF:184.5/61

All: 0.009+/-0.004 χ^2/NDF: 265.7/117

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.206+/-0.006 χ^2/NDF: 1807033.1/32

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

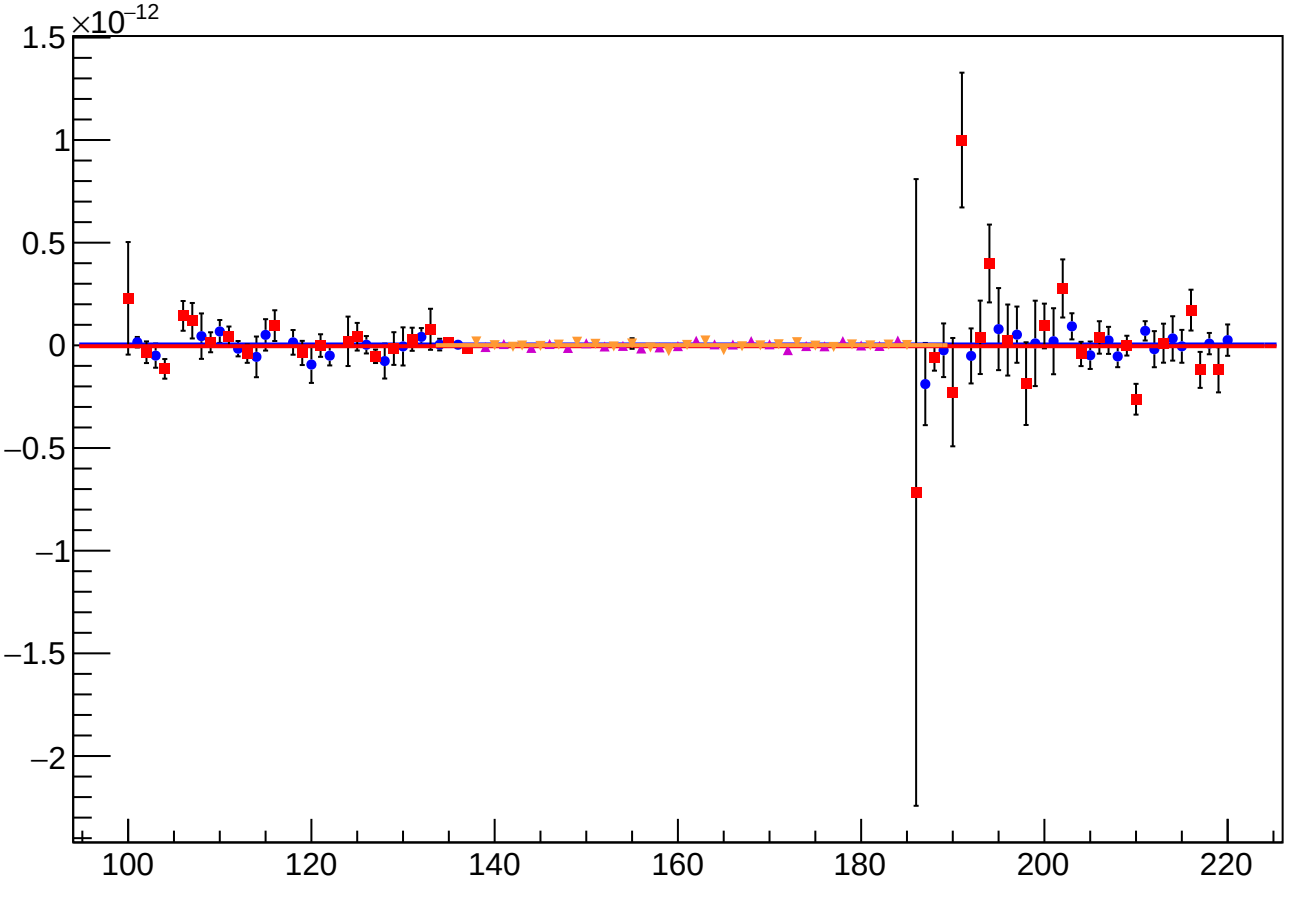
Right: 36.309+/-0.004 χ^2/NDF: 4569646.0/69

In: 36.065+/-0.004 χ^2/NDF:4946586.9/55

Out: 36.838+/-0.004 χ^2/NDF:6469672.7/61

All: 36.447+/-0.003 χ^2/NDF: 11431736.5/117

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 61.4/36

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

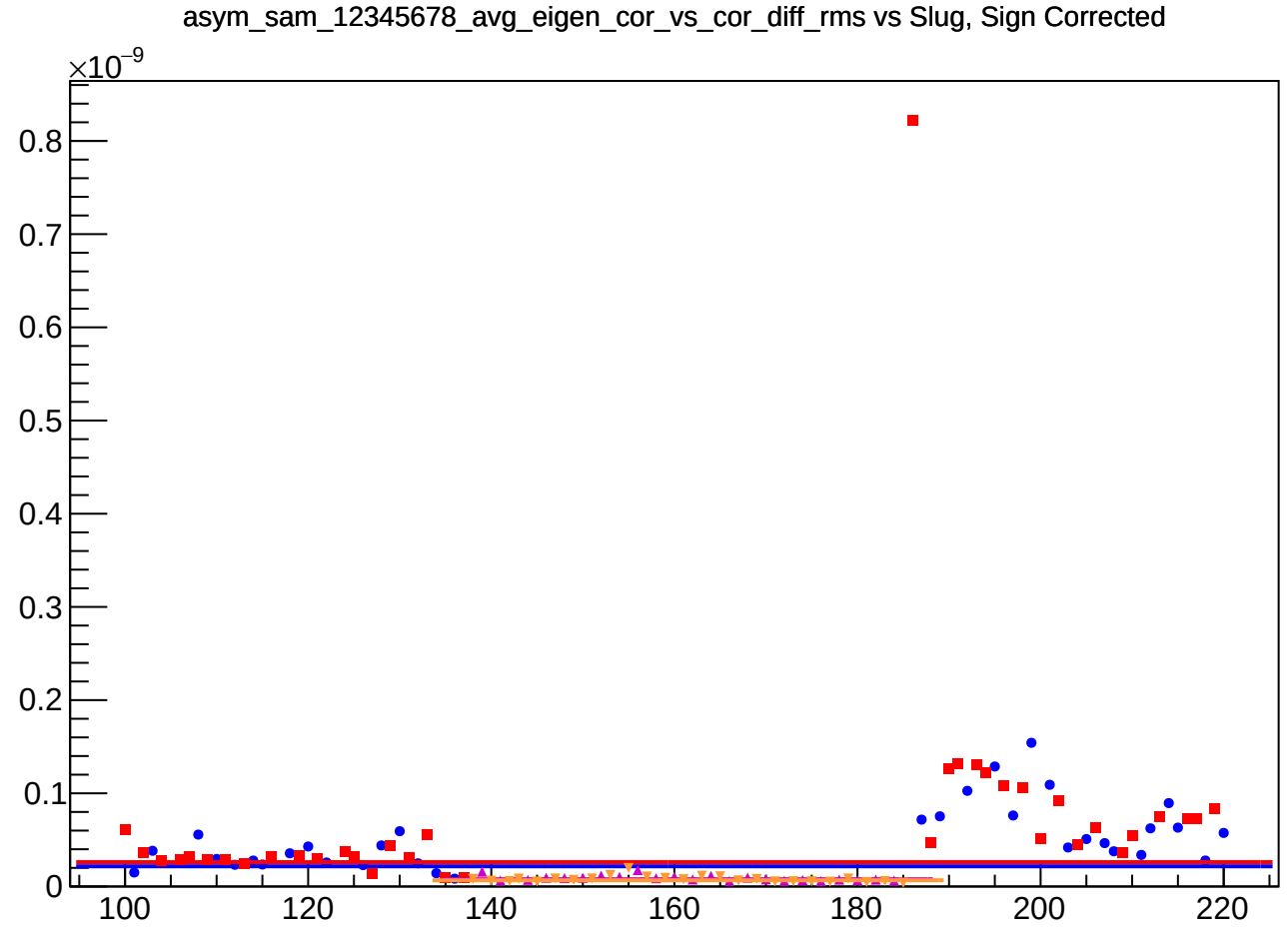
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 77.1/69

In: 0.000+/-0.000 χ^2/NDF:44.6/55

Out: 0.000+/-0.000 χ^2/NDF:83.1/61

All: 0.000+/-0.000 χ^2/NDF: 127.7/117



Right In: 0.000+/-0.000 χ^2/NDF: 10588798.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10223326.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

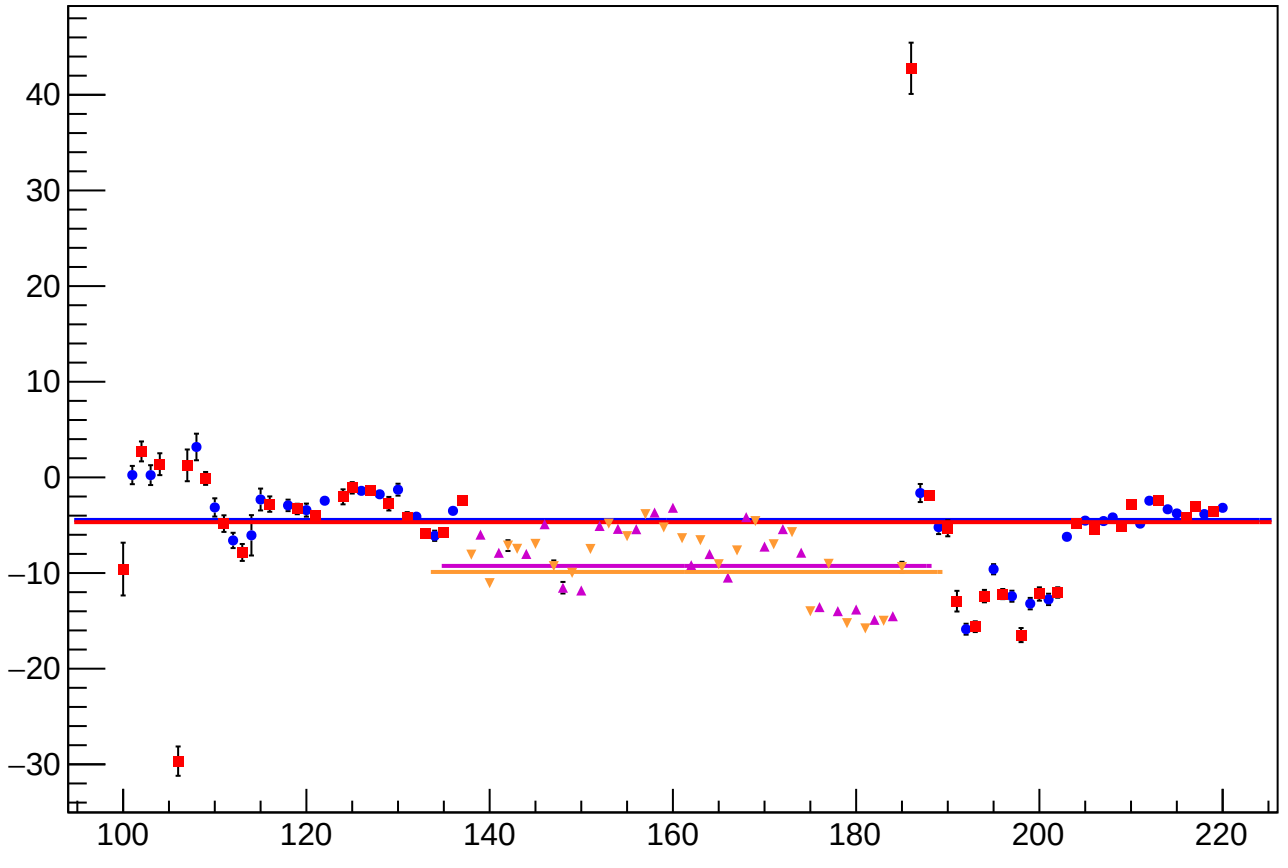
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 21078300.4/69

In: 0.000+/-0.000 χ^2/NDF:17861375.2/55

Out: 0.000+/-0.000 χ^2/NDF:20815152.3/61

All: 0.000+/-0.000 χ^2/NDF: 39037770.1/117



Right In: -4.448+/-0.077 χ^2/NDF: 1425.3/32

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.680+/-0.079 χ^2/NDF: 2446.4/36

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

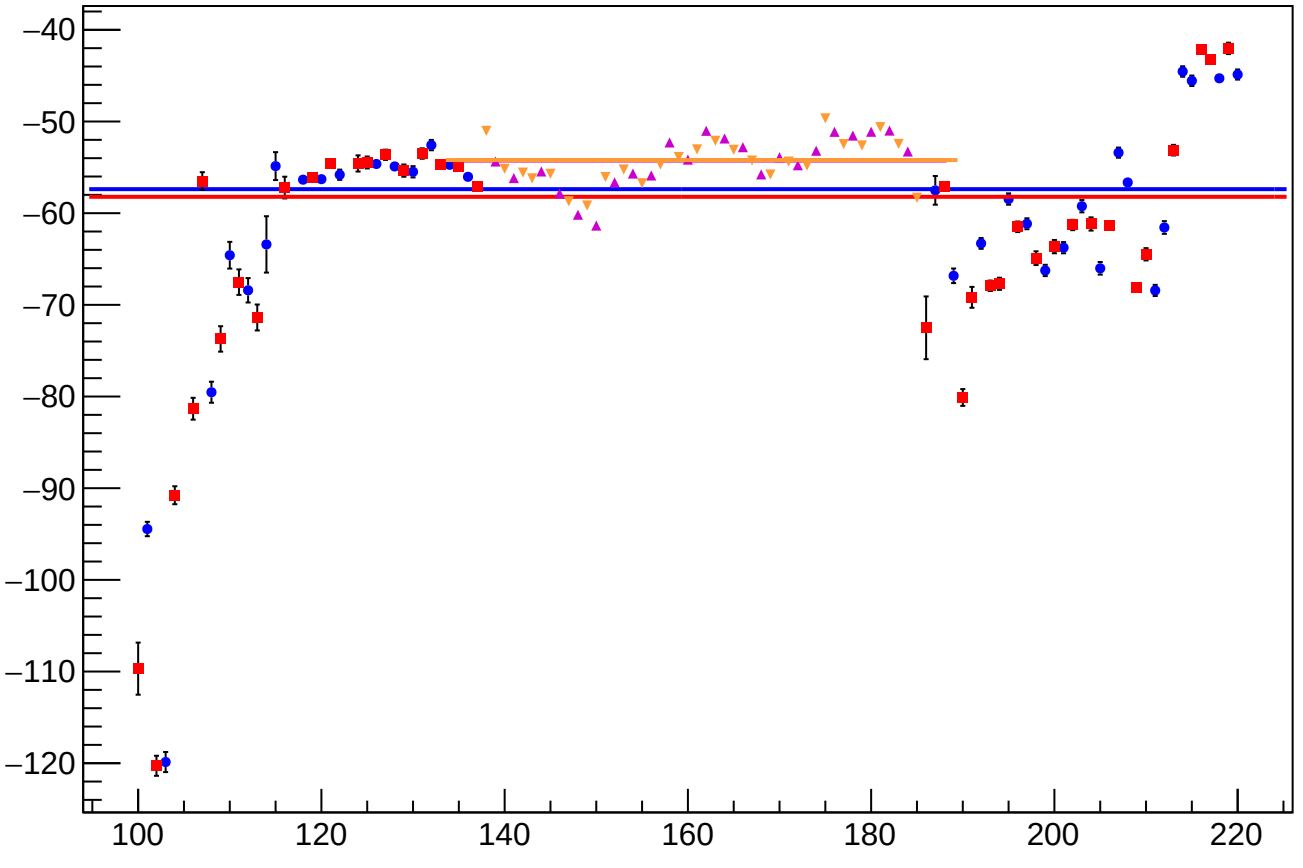
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.561+/-0.055 χ^2/NDF: 3876.1/69

In: -7.036+/-0.053 χ^2/NDF:6571.6/55

Out: -7.624+/-0.052 χ^2/NDF:8089.5/61

All: -7.332+/-0.037 χ^2/NDF: 14724.0/117



Right In: -57.379+/-0.100 χ^2/NDF: 9518.6/32

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -58.213+/-0.101 χ^2/NDF: 10177.8/36

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

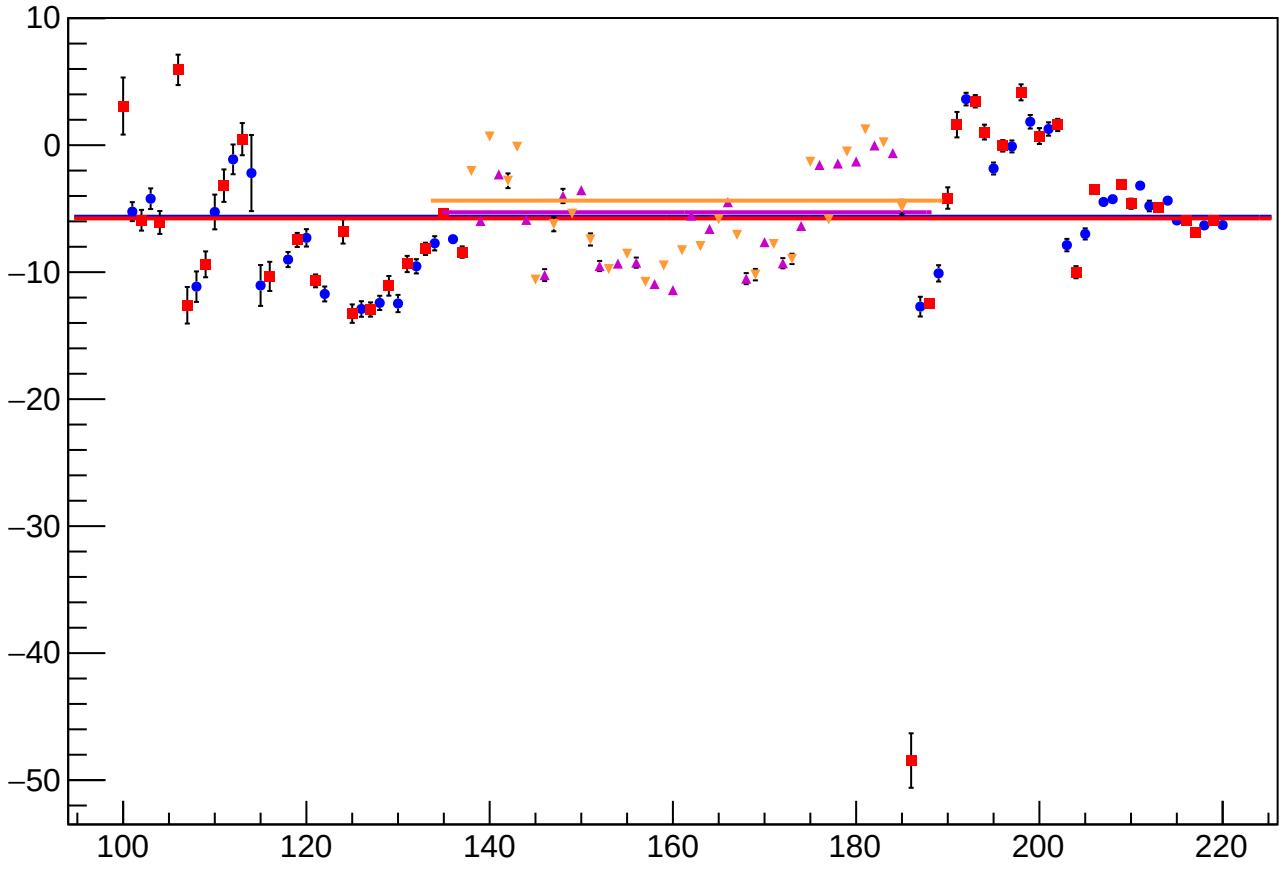
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -57.791+/-0.071 χ^2/NDF: 19730.8/69

In: -55.050+/-0.050 χ^2/NDF:12736.4/55

Out: -55.142+/-0.049 χ^2/NDF:13237.9/61

All: -55.097+/-0.035 χ^2/NDF: 25976.0/117



Right In: -5.635+/-0.080 χ^2/NDF: 1903.0/32

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.765+/-0.082 χ^2/NDF: 3287.8/36

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

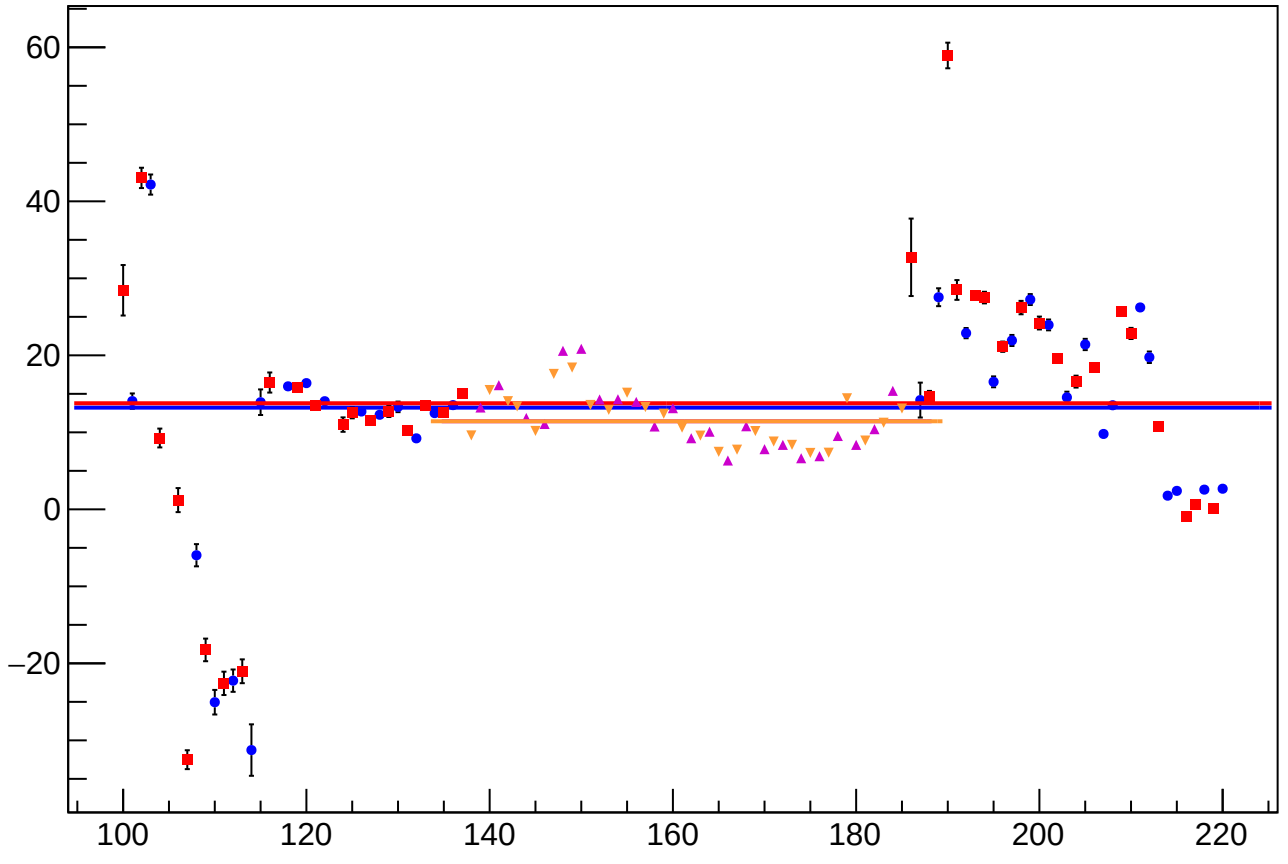
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.699+/-0.057 χ^2/NDF: 5192.2/69

In: -5.438+/-0.053 χ^2/NDF:4664.0/55

Out: -4.952+/-0.053 χ^2/NDF:7160.3/61

All: -5.194+/-0.037 χ^2/NDF: 11866.3/117



Right In: 13.209+/-0.110 χ^2/NDF: 5468.2/32

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 13.776+/-0.113 χ^2/NDF: 8384.2/36

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

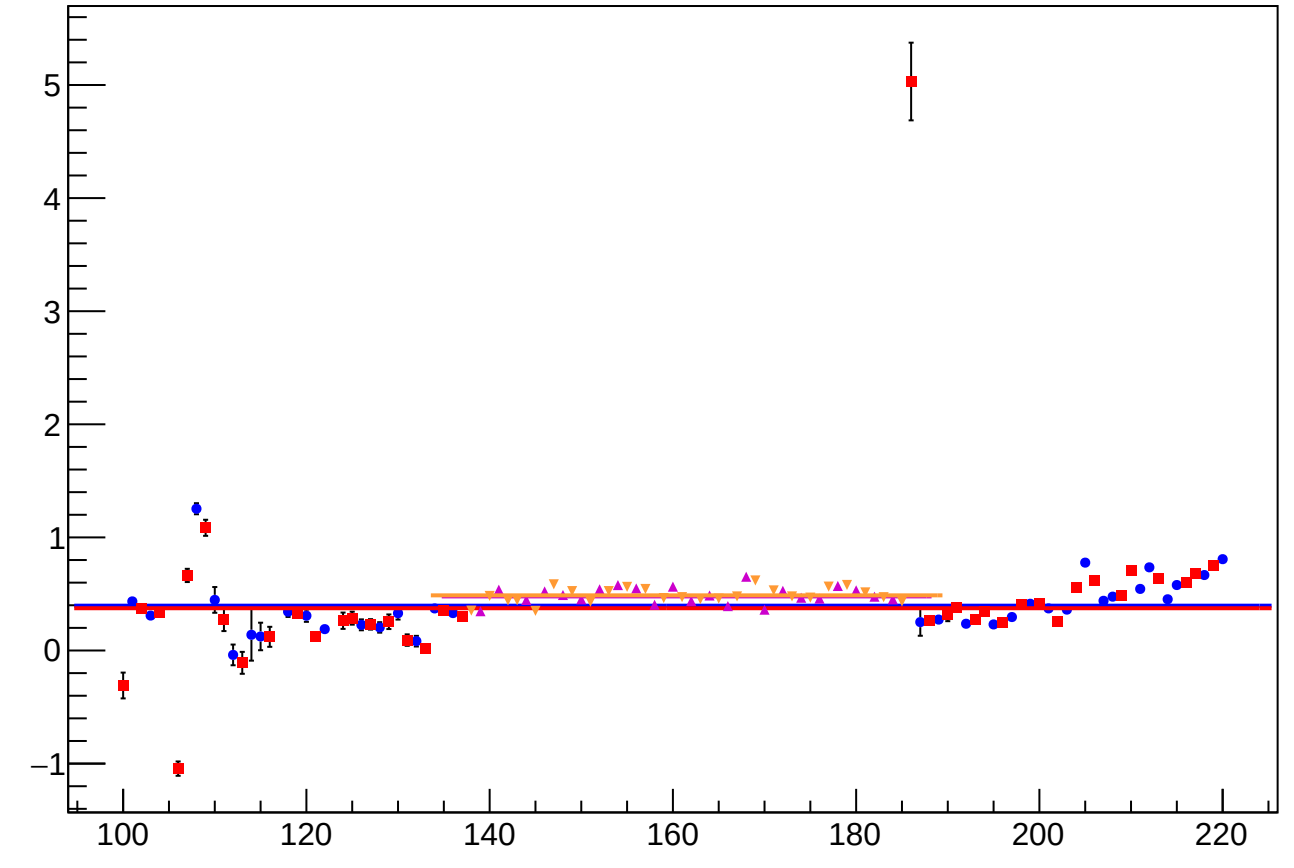
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

Right: 13.485+/-0.079 χ^2/NDF: 13865.2/69

In: 11.888+/-0.055 χ^2/NDF:9018.6/55

Out: 11.976+/-0.054 χ^2/NDF:11147.2/61

All: 11.933+/-0.039 χ^2/NDF: 20167.0/117



Right In: 0.396+/-0.005 χ^2/NDF: 1177.5/32

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.374+/-0.005 χ^2/NDF: 1785.4/36

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

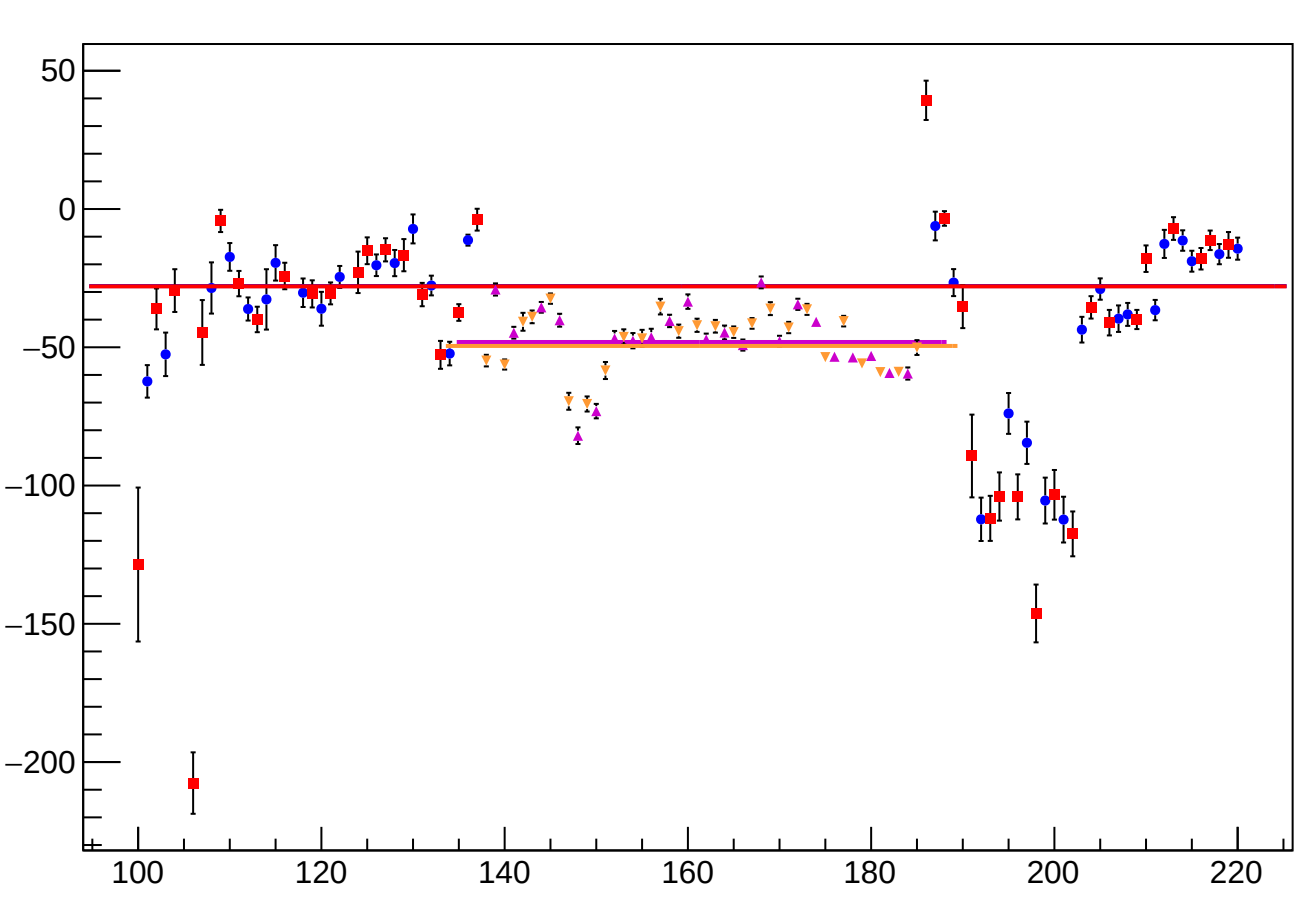
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.385+/-0.004 χ^2/NDF: 2972.9/69

In: 0.459+/-0.002 χ^2/NDF:2183.9/55

Out: 0.463+/-0.002 χ^2/NDF:2710.8/61

All: 0.461+/-0.002 χ^2/NDF: 4895.7/117



Right In: -27.867+/-0.787 χ^2/NDF: 686.2/32

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -27.971+/-0.810 χ^2/NDF: 1290.0/36

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

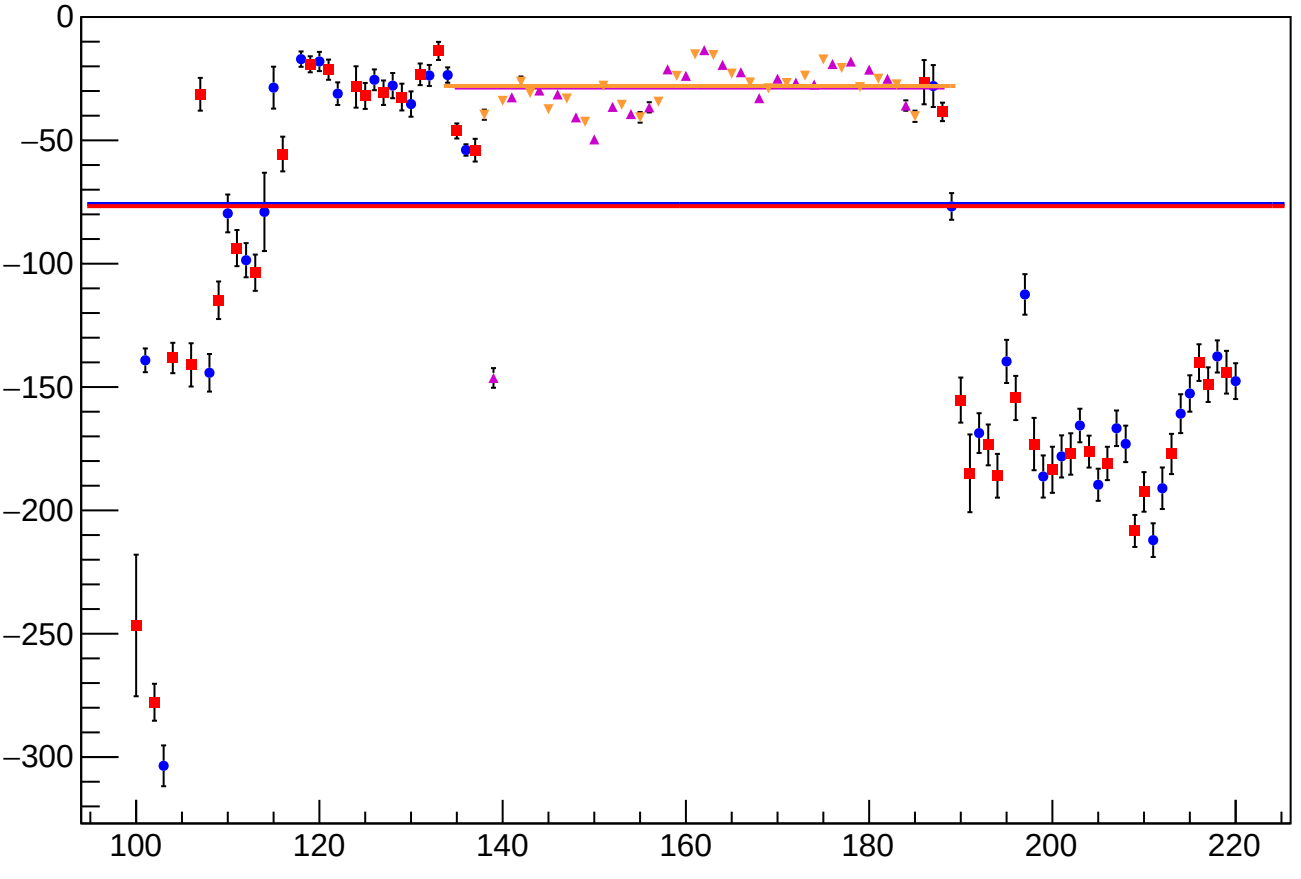
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -27.917+/-0.564 χ^2/NDF: 1976.2/69

In: -43.628+/-0.369 χ^2/NDF:1907.2/55

Out: -45.252+/-0.360 χ^2/NDF:2433.8/61

All: -44.460+/-0.258 χ^2/NDF: 4350.9/117



Right In: -75.789+/-0.937 χ^2/NDF: 4897.0/32

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -76.674+/-0.980 χ^2/NDF: 4792.1/36

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

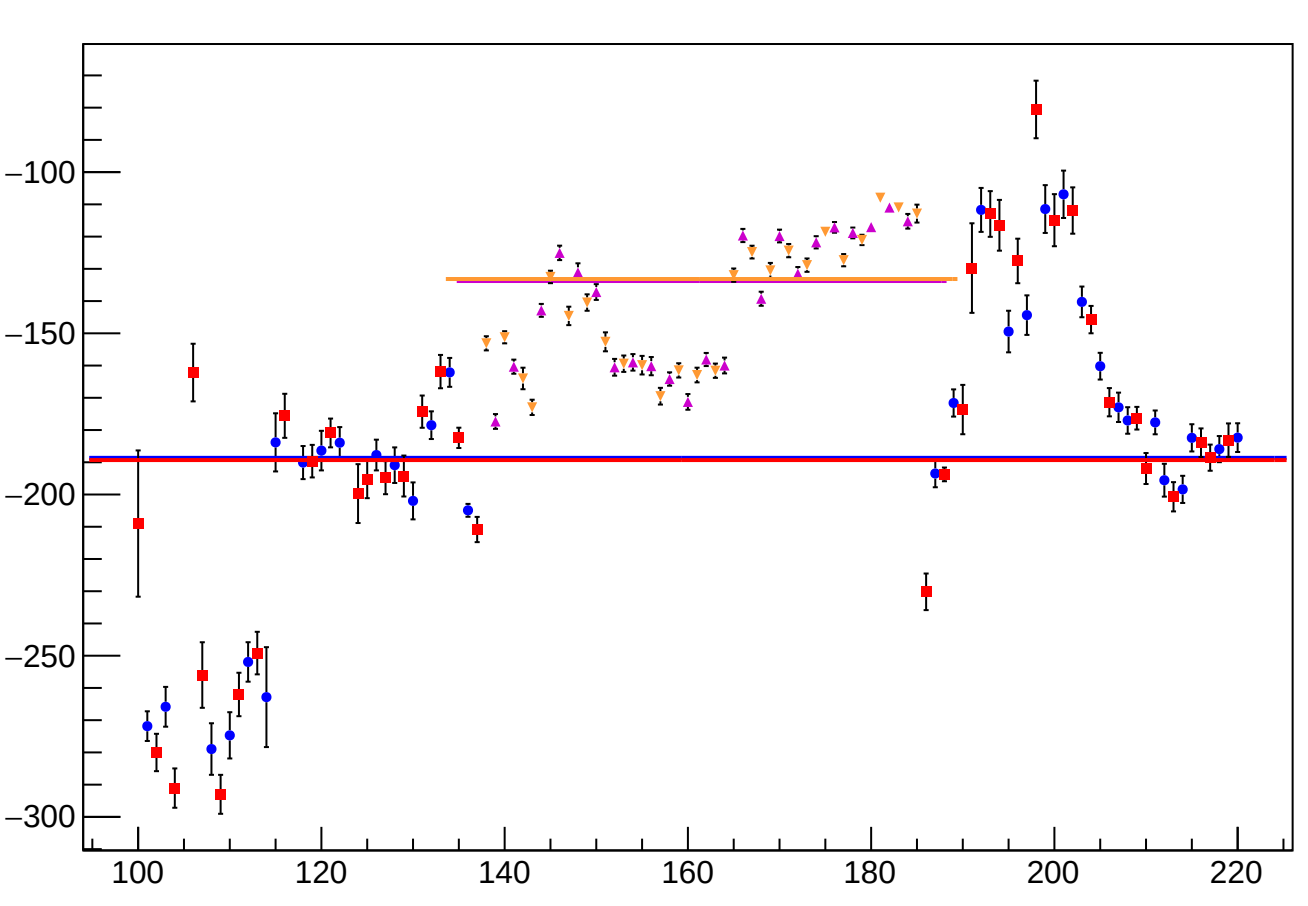
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -76.212+/-0.677 χ^2/NDF: 9689.5/69

In: -33.903+/-0.314 χ^2/NDF:8629.7/55

Out: -32.680+/-0.305 χ^2/NDF:7521.0/61

All: -33.273+/-0.219 χ^2/NDF: 16158.5/117



Right In: -188.627+/-0.821 χ^2/NDF: 1655.4/32

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.315+/-0.840 χ^2/NDF: 2008.2/36

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

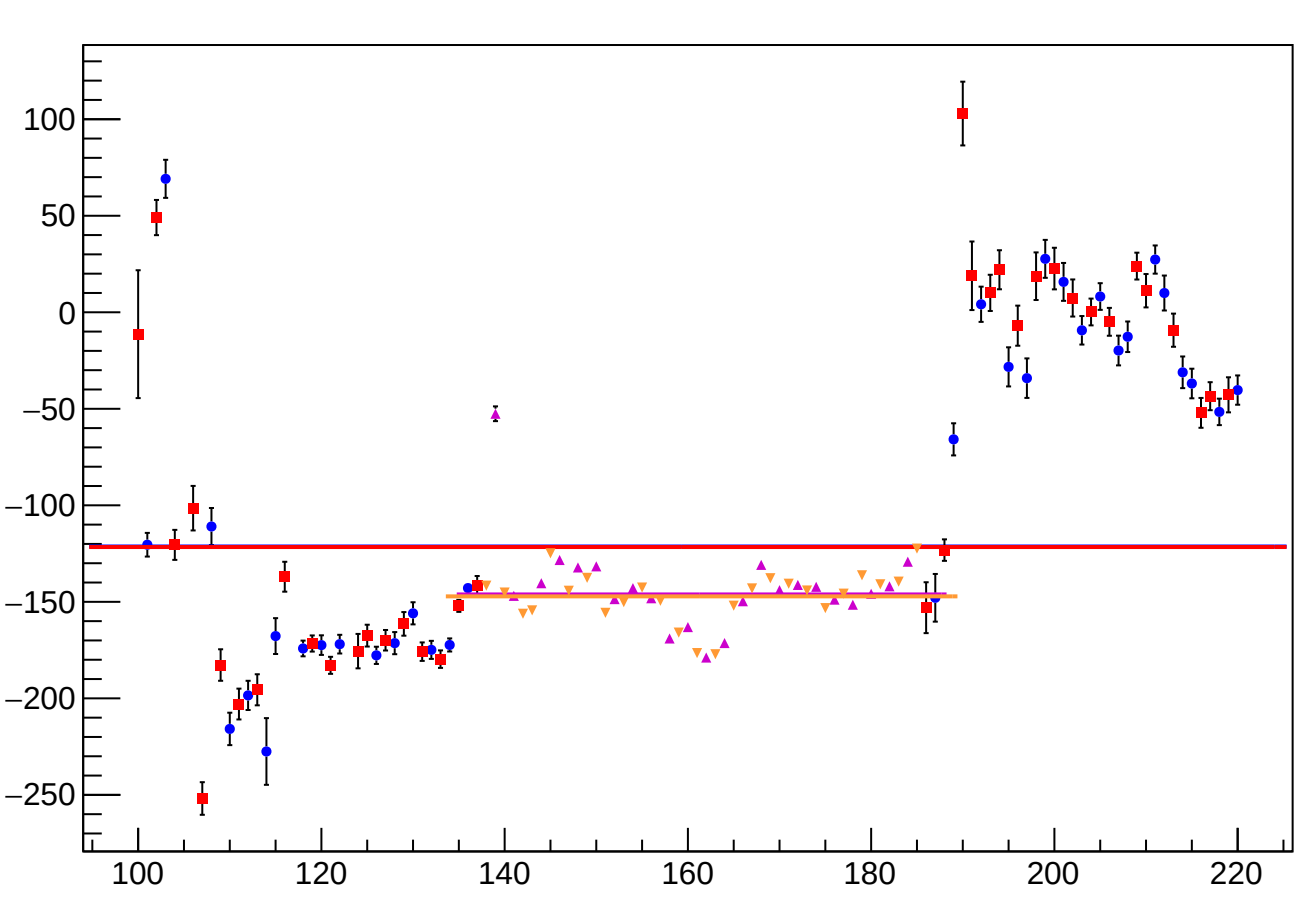
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -188.963+/-0.587 χ^2/NDF: 3663.9/69

In: -145.035+/-0.372 χ^2/NDF:7647.6/55

Out: -143.664+/-0.363 χ^2/NDF:8174.2/61

All: -144.334+/-0.260 χ^2/NDF: 15828.7/117



Right In: -121.337+/-1.047 χ^2/NDF: 4611.2/32

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -121.613+/-1.113 χ^2/NDF: 4769.4/36

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

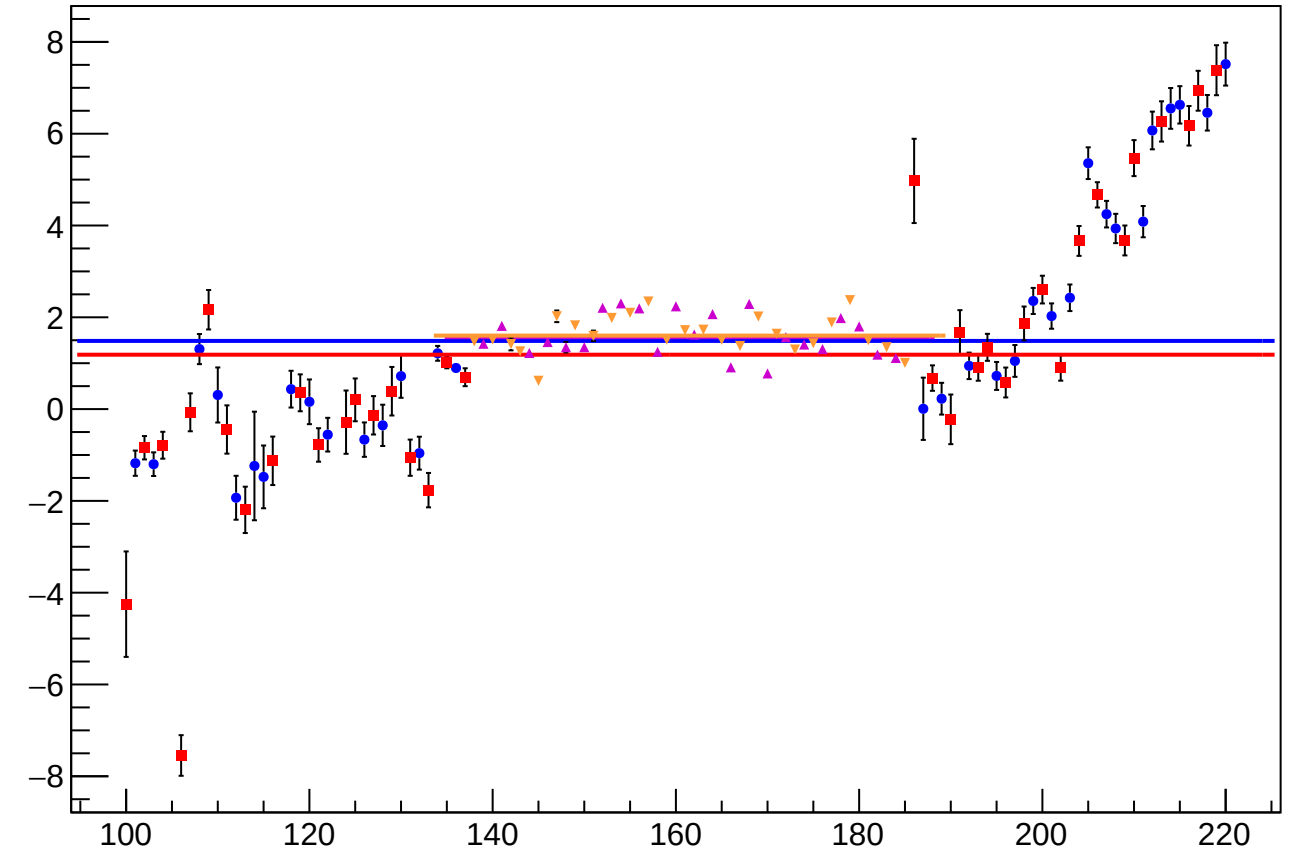
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -121.466+/-0.763 χ^2/NDF: 9380.6/69

In: -143.408+/-0.349 χ^2/NDF:6905.1/55

Out: -144.770+/-0.341 χ^2/NDF:6492.6/61

All: -144.106+/-0.244 χ^2/NDF: 13405.6/117



Right In: 1.485+/-0.051 χ^2/NDF: 1598.6/32

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 1.185+/-0.055 χ^2/NDF: 1793.7/36

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

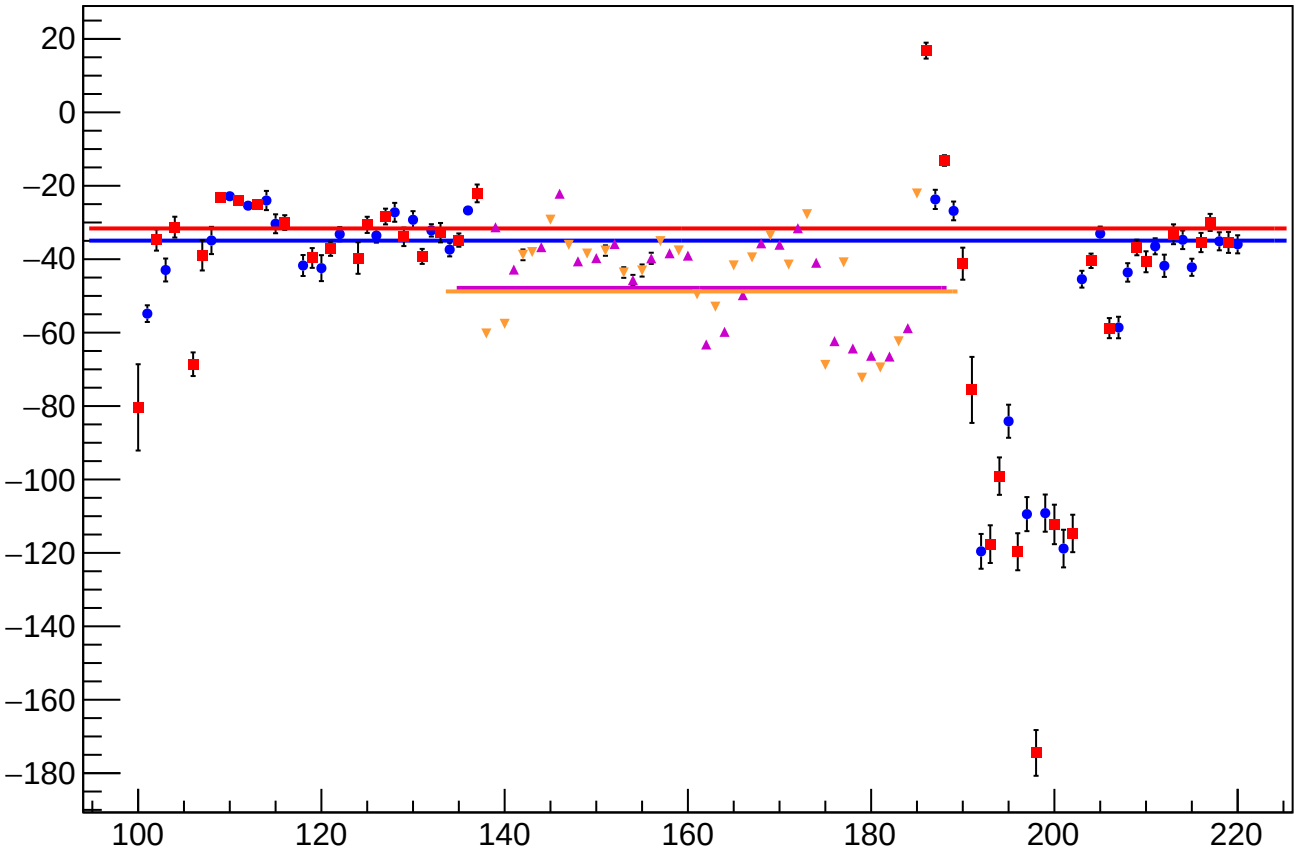
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 1.345+/-0.037 χ^2/NDF: 3408.5/69

In: 1.560+/-0.016 χ^2/NDF:2336.1/55

Out: 1.568+/-0.015 χ^2/NDF:2429.0/61

All: 1.564+/-0.011 χ^2/NDF: 4765.2/117



Right In: -34.940+/-0.383 χ^2/NDF: 1671.7/32

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.622+/-0.372 χ^2/NDF: 2958.1/36

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

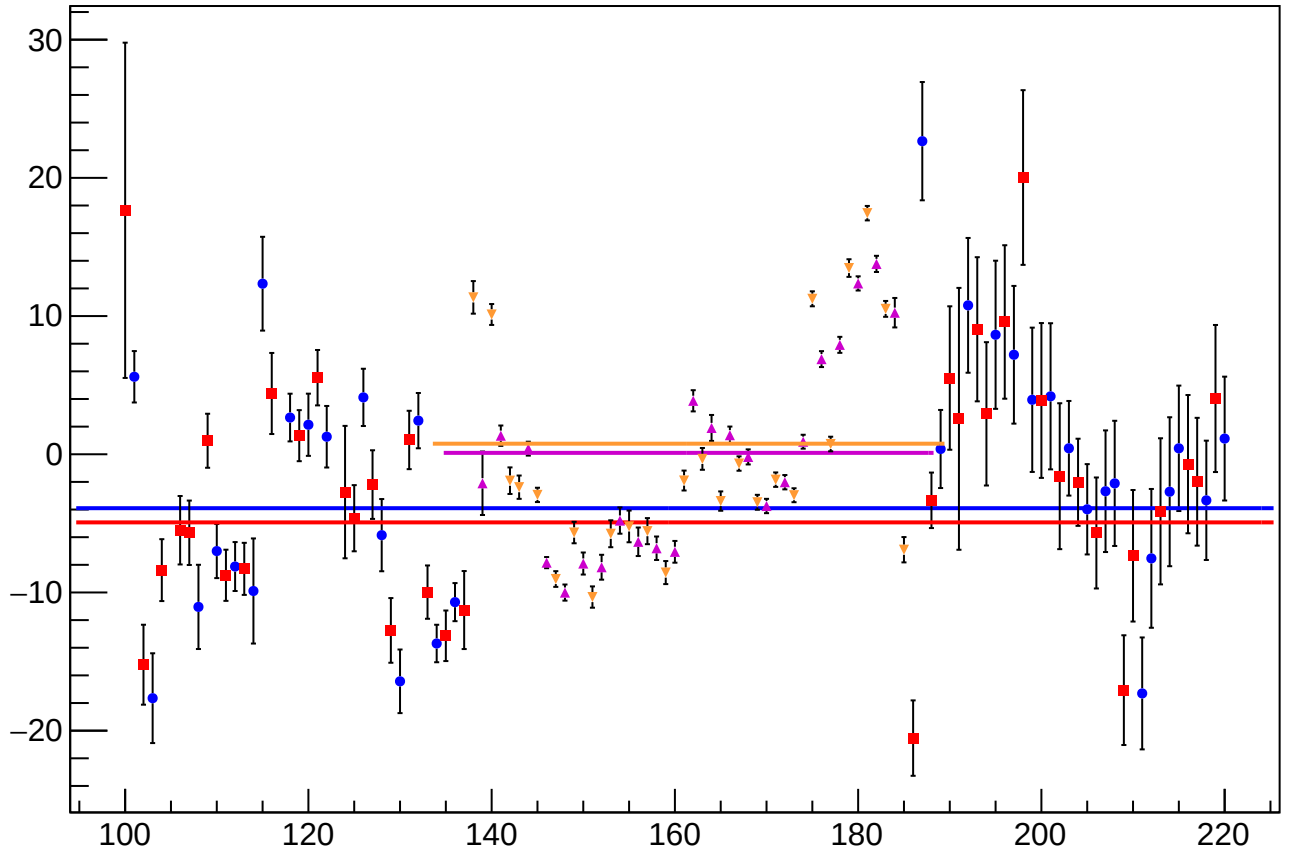
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -33.232+/-0.267 χ^2/NDF: 4668.4/69

In: -45.703+/-0.155 χ^2/NDF:9839.8/55

Out: -45.909+/-0.152 χ^2/NDF:13685.1/61

All: -45.808+/-0.109 χ^2/NDF: 23525.8/117



Right In: -3.902+/-0.457 χ^2/NDF: 322.3/32

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.929+/-0.461 χ^2/NDF: 224.1/36

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

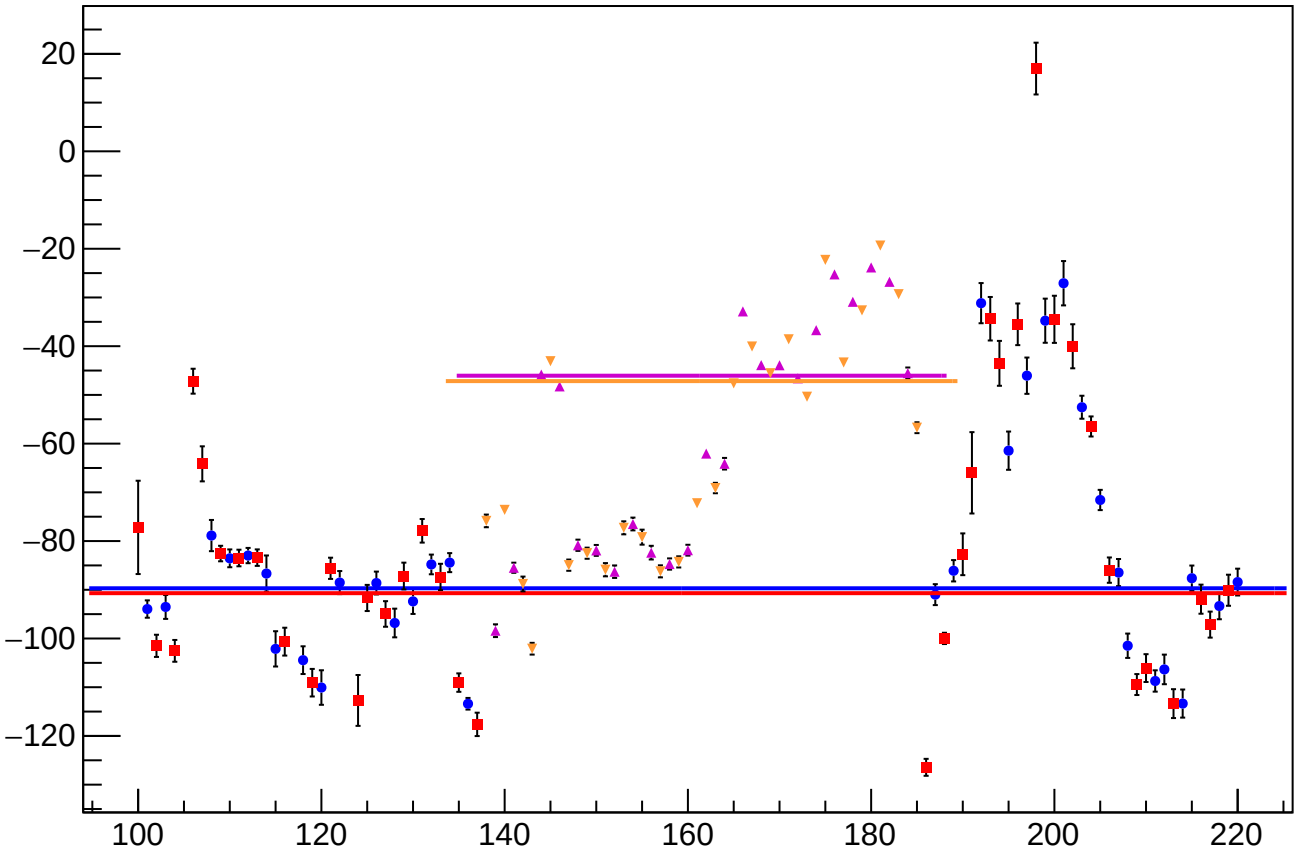
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -4.411+/-0.325 χ^2/NDF: 548.9/69

In: -0.210+/-0.128 χ^2/NDF:3114.8/55

Out: 0.332+/-0.127 χ^2/NDF:3832.3/61

All: 0.062+/-0.090 χ^2/NDF: 6956.2/117



Right In: -89.692+/-0.417 χ^2/NDF: 1787.9/32

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.696+/-0.408 χ^2/NDF: 2839.4/36

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

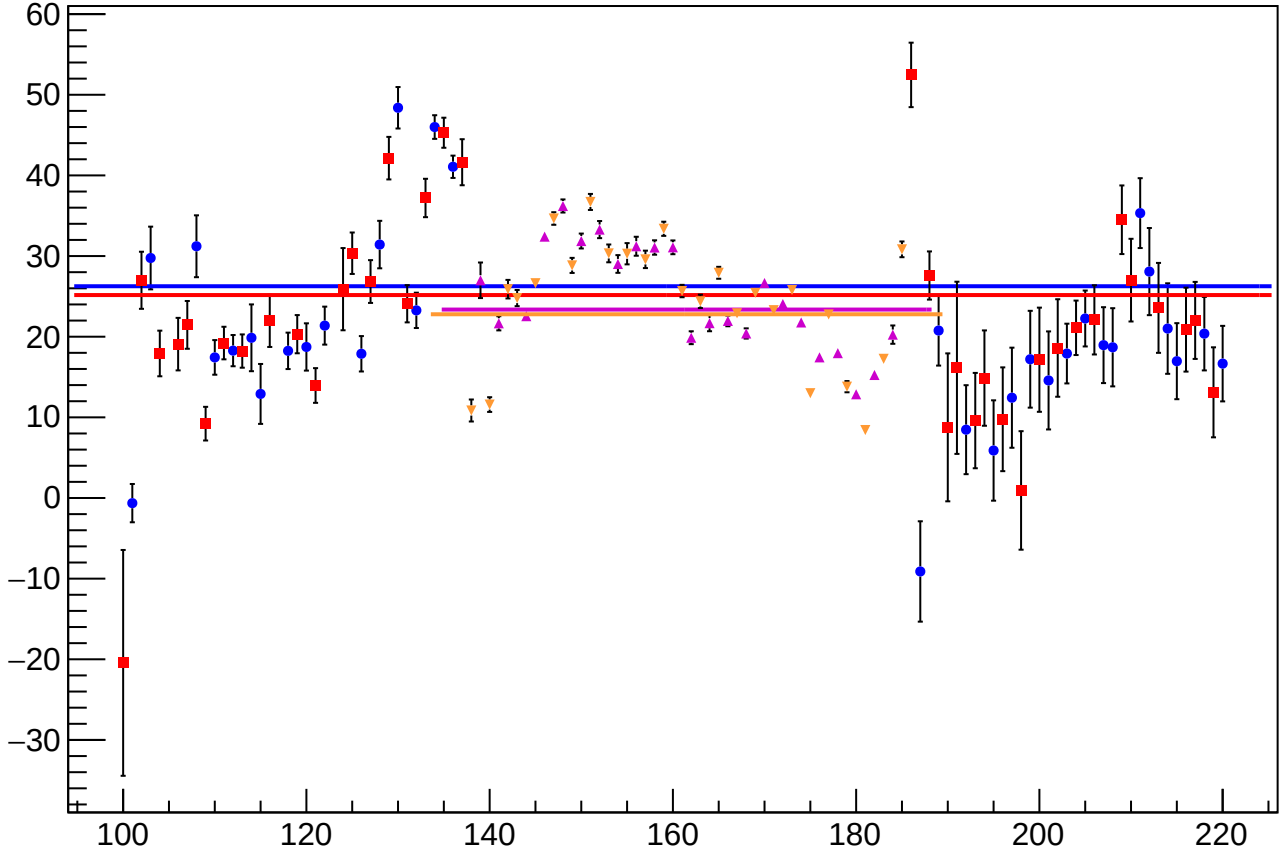
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -90.205+/-0.292 χ^2/NDF: 4630.3/69

In: -52.276+/-0.158 χ^2/NDF:25927.3/55

Out: -53.444+/-0.155 χ^2/NDF:30231.8/61

All: -52.870+/-0.110 χ^2/NDF: 56187.0/117



Right In: 26.257+/-0.512 χ^2/NDF: 685.6/32

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.164+/-0.527 χ^2/NDF: 448.2/36

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

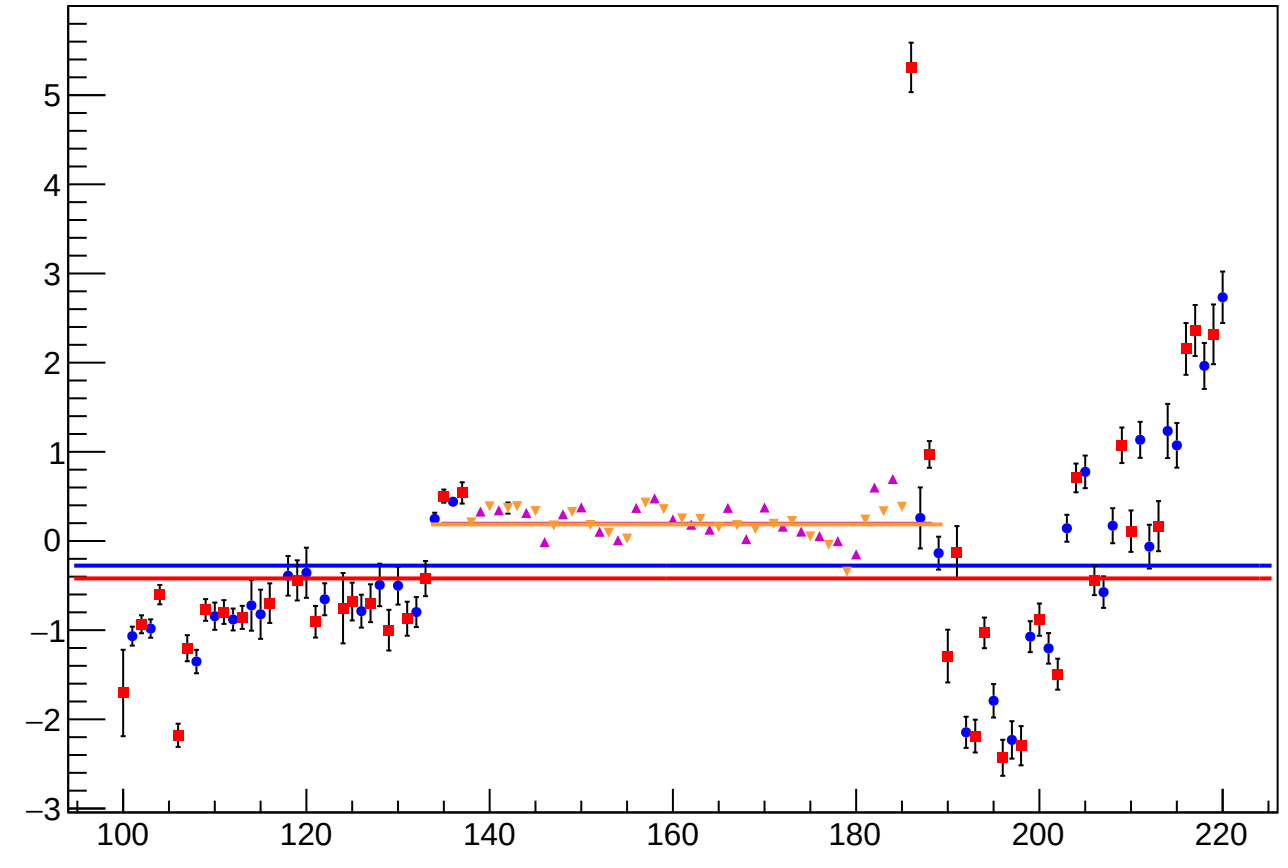
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.727+/-0.367 χ^2/NDF: 1136.0/69

In: 23.591+/-0.143 χ^2/NDF:2500.3/55

Out: 22.954+/-0.142 χ^2/NDF:2880.1/61

All: 23.270+/-0.101 χ^2/NDF: 5390.4/117



Right In: -0.276+/-0.026 χ^2/NDF: 1112.1/32

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.420+/-0.027 χ^2/NDF: 1720.9/36

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

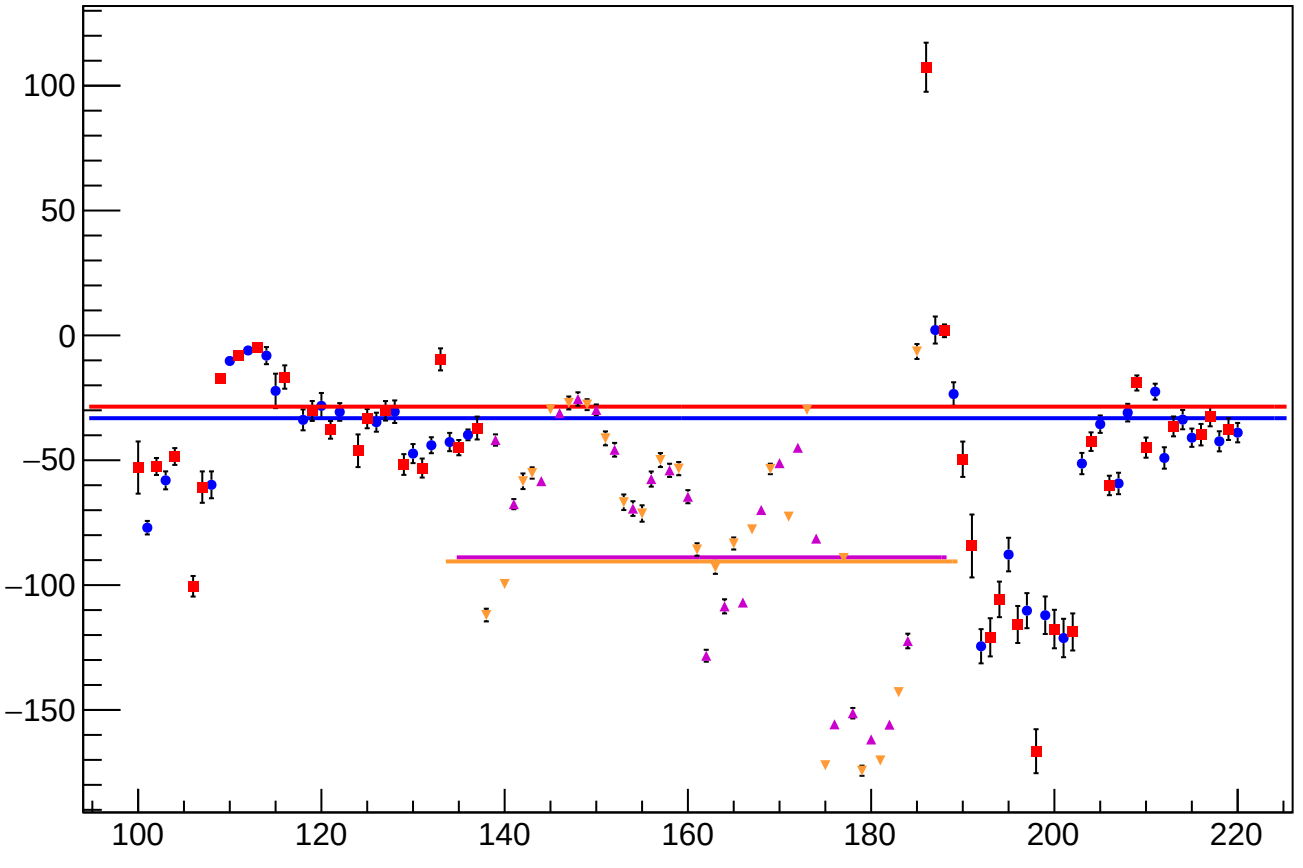
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.345+/-0.019 χ^2/NDF: 2847.6/69

In: 0.164+/-0.006 χ^2/NDF:2356.7/55

Out: 0.153+/-0.006 χ^2/NDF:2833.5/61

All: 0.158+/-0.005 χ^2/NDF: 5191.7/117



Right In: -33.155+/-0.602 χ^2/NDF: 1690.4/32

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -28.536+/-0.567 χ^2/NDF: 2439.3/36

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

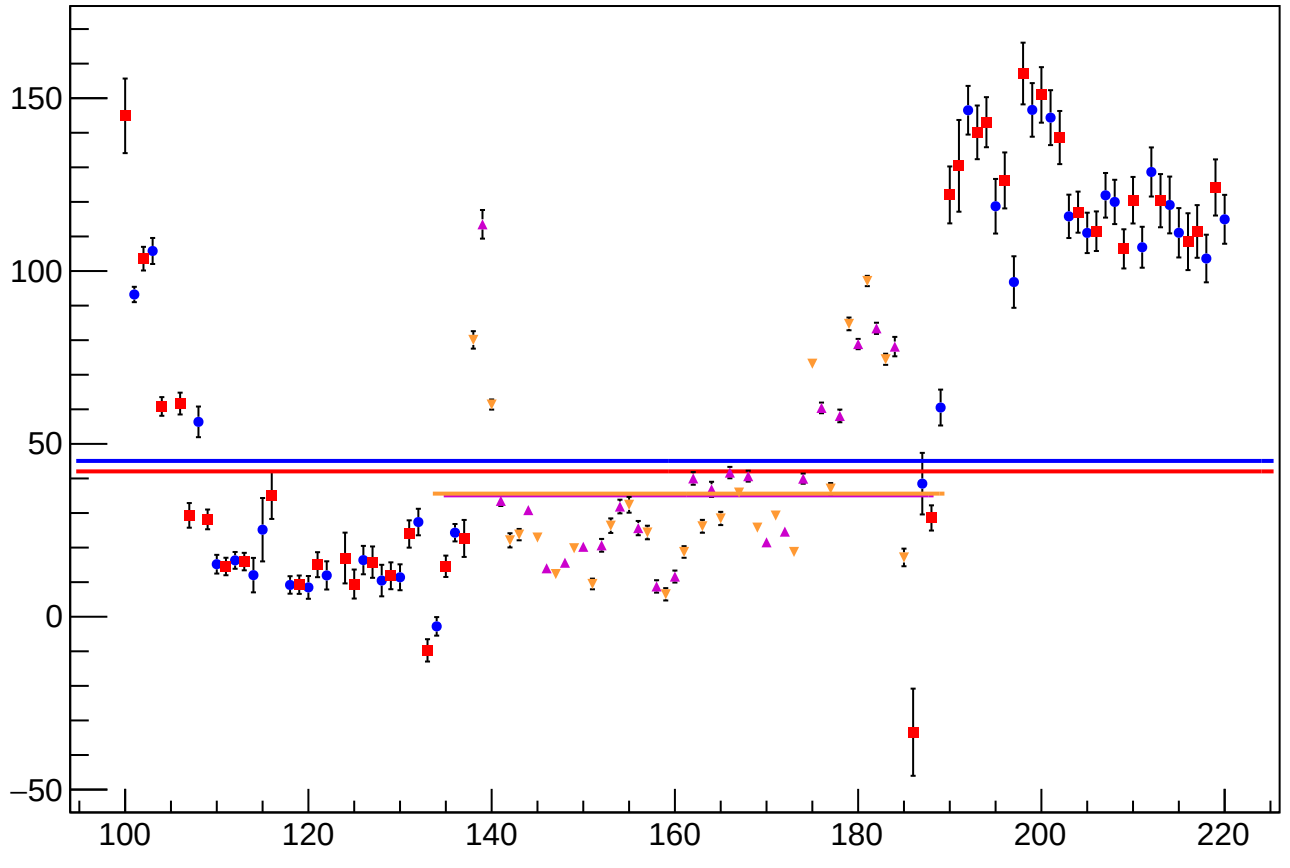
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.706+/-0.413 χ^2/NDF: 4160.9/69

In: -69.797+/-0.352 χ^2/NDF:19141.8/55

Out: -68.457+/-0.338 χ^2/NDF:25509.8/61

All: -69.099+/-0.244 χ^2/NDF: 44659.1/117



Right In: 45.071+/-0.726 χ^2/NDF: 3830.4/32

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 42.042+/-0.716 χ^2/NDF: 3591.1/36

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

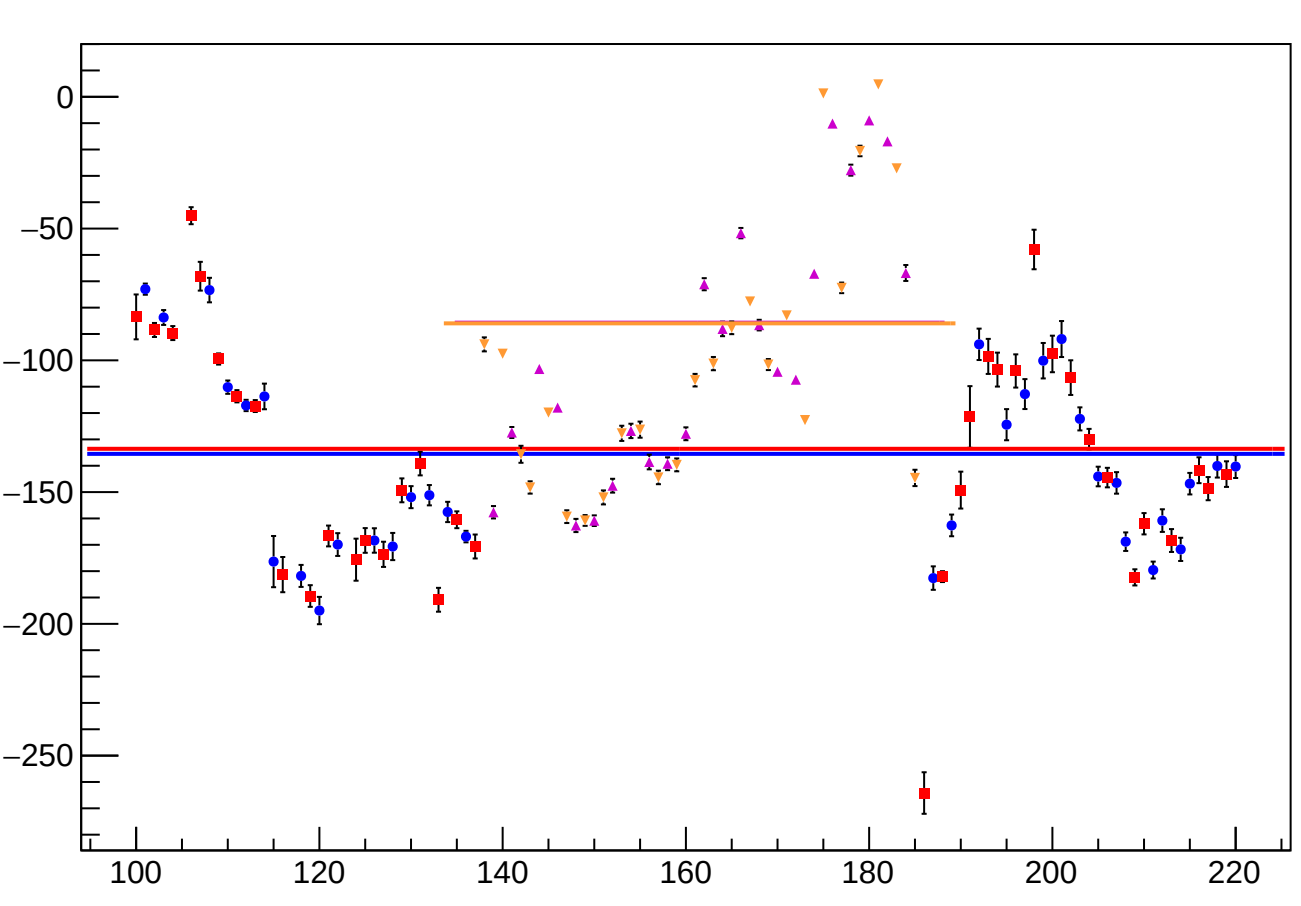
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 43.536+/-0.510 χ^2/NDF: 7430.3/69

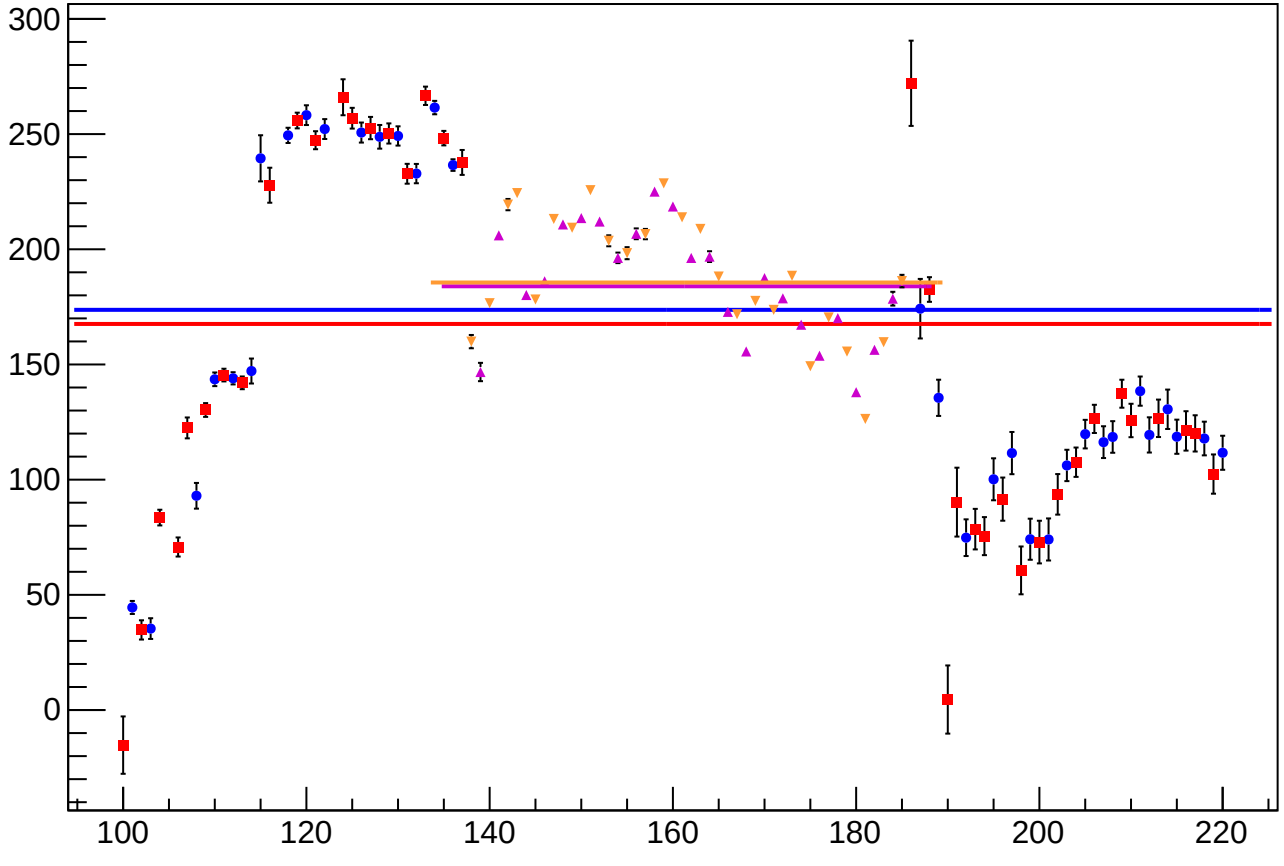
In: 36.872+/-0.305 χ^2/NDF:8129.8/55

Out: 36.713+/-0.297 χ^2/NDF:9630.8/61

All: 36.791+/-0.213 χ^2/NDF: 17760.8/117


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
220
Right In: -135.490+/-0.655 χ²/NDF: 2984.0/32
Left Out: -85.969+/-0.421 χ²/NDF:16232.5/24
Right Out: -133.569+/-0.635 χ²/NDF: 4088.1/36
Left In: -85.705+/-0.432 χ²/NDF:13758.7/22
Left: -85.841+/-0.302 χ²/NDF: 29991.4/47
Right: -134.499+/-0.456 χ²/NDF: 7076.5/69
In: -100.806+/-0.361 χ²/NDF:20762.3/55
Out: -100.490+/-0.351 χ²/NDF:24223.9/61
All: -100.644+/-0.252 χ²/NDF: 44986.6/117

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 173.718+/-0.824 χ^2/NDF: 8496.5/32

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 167.590+/-0.820 χ^2/NDF: 7930.1/36

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

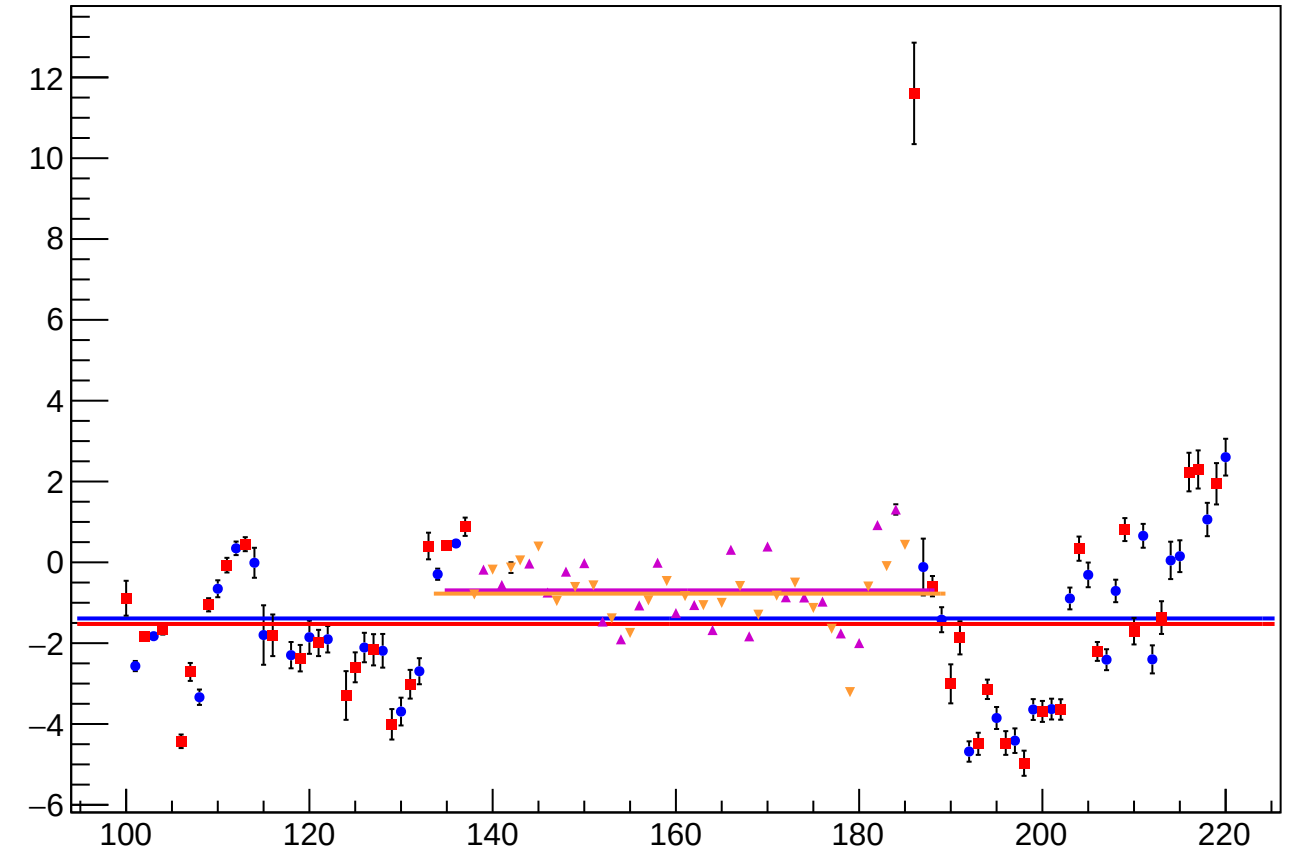
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 170.638+/-0.581 χ^2/NDF: 16454.4/69

In: 182.164+/-0.343 χ^2/NDF:12497.2/55

Out: 182.582+/-0.335 χ^2/NDF:13686.4/61

All: 182.378+/-0.240 χ^2/NDF: 26184.3/117



Right In: -1.388+/-0.040 χ^2/NDF: 1551.4/32

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.525+/-0.040 χ^2/NDF: 1970.5/36

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

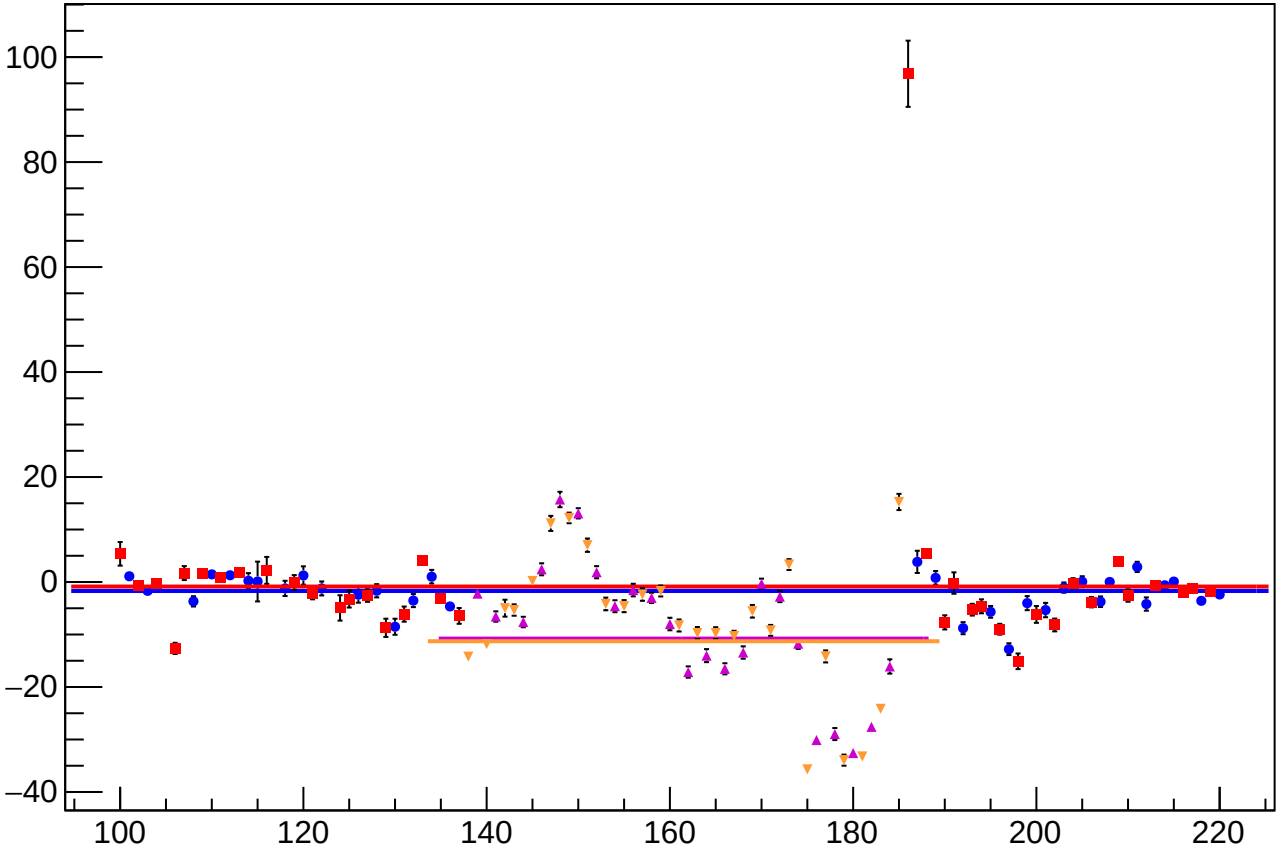
Right: -1.457+/-0.028 χ^2/NDF: 3527.6/69

In: -0.796+/-0.016 χ^2/NDF:4368.1/55

Out: -0.882+/-0.015 χ^2/NDF:4094.5/61

All: -0.840+/-0.011 χ^2/NDF: 8478.6/117

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.715+/-0.179 χ^2/NDF: 330.1/32

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.865+/-0.165 χ^2/NDF: 932.3/36

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

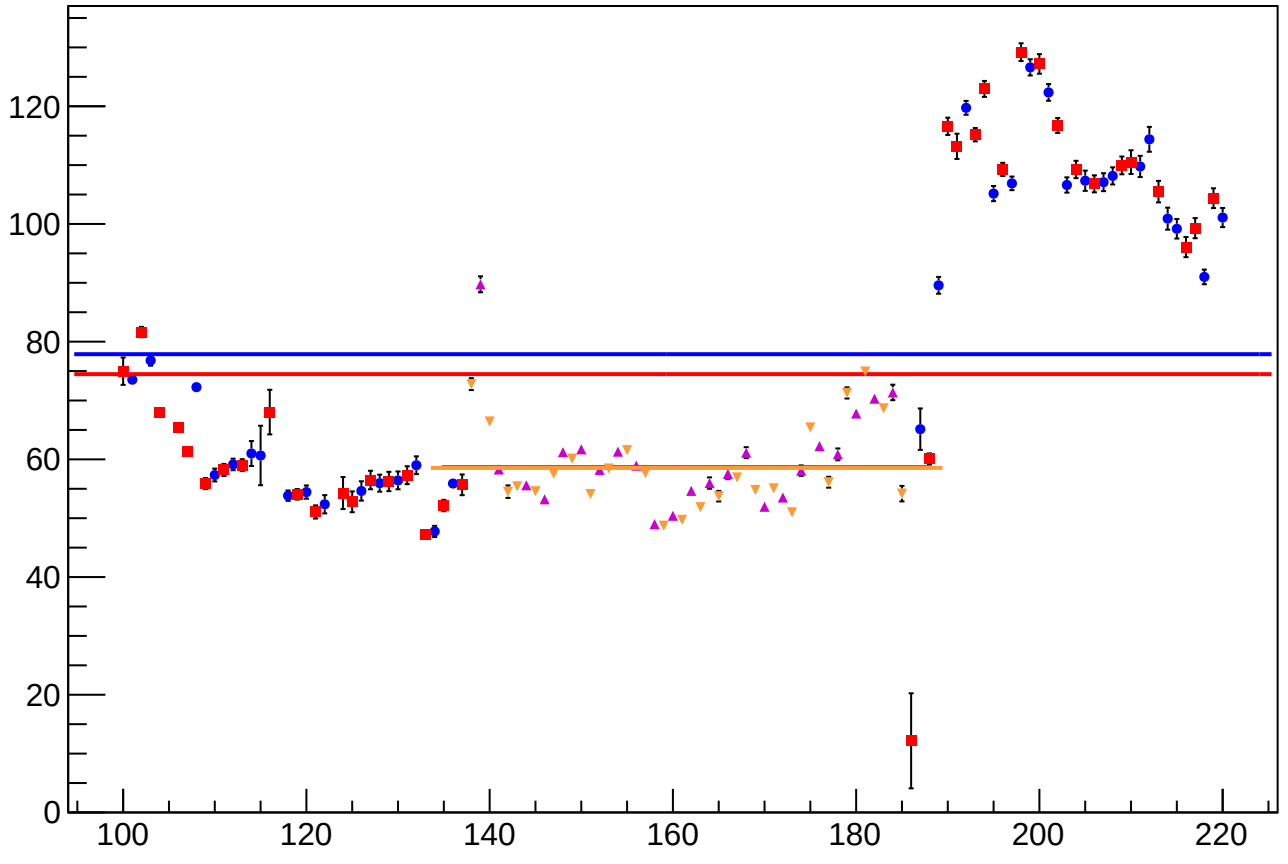
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.257+/-0.121 χ^2/NDF: 1274.7/69

In: -5.447+/-0.137 χ^2/NDF:5090.0/55

Out: -4.899+/-0.129 χ^2/NDF:6970.4/61

All: -5.158+/-0.094 χ^2/NDF: 12068.9/117



Right In: 77.870+/-0.214 χ^2/NDF: 12310.3/32

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 74.481+/-0.199 χ^2/NDF: 16649.8/36

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

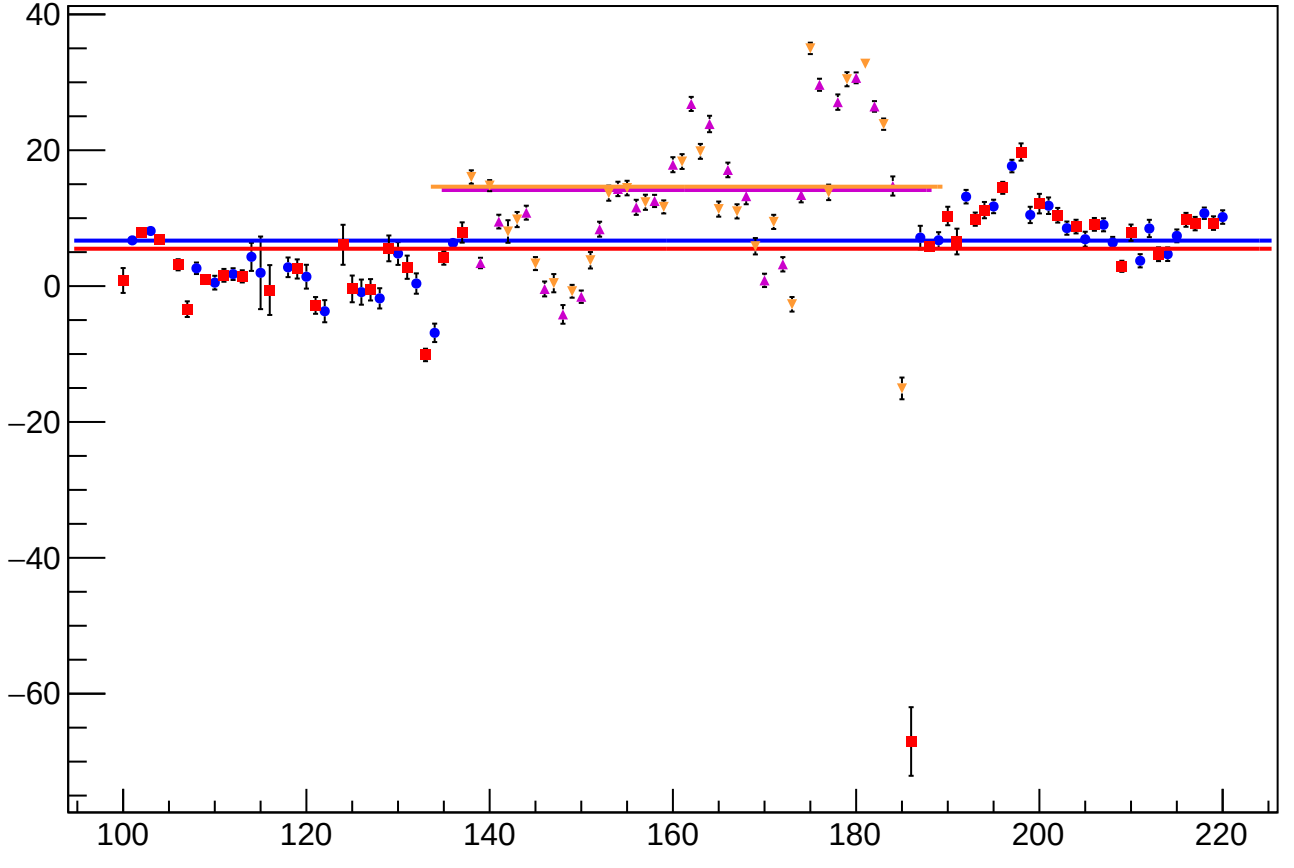
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 76.058+/-0.146 χ^2/NDF: 29094.6/69

In: 66.029+/-0.132 χ^2/NDF:18899.6/55

Out: 64.848+/-0.125 χ^2/NDF:22415.0/61

All: 65.407+/-0.091 χ^2/NDF: 41356.6/117



Right In: 6.697+/-0.181 χ^2/NDF: 621.7/32

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.500+/-0.170 χ^2/NDF: 1162.8/36

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

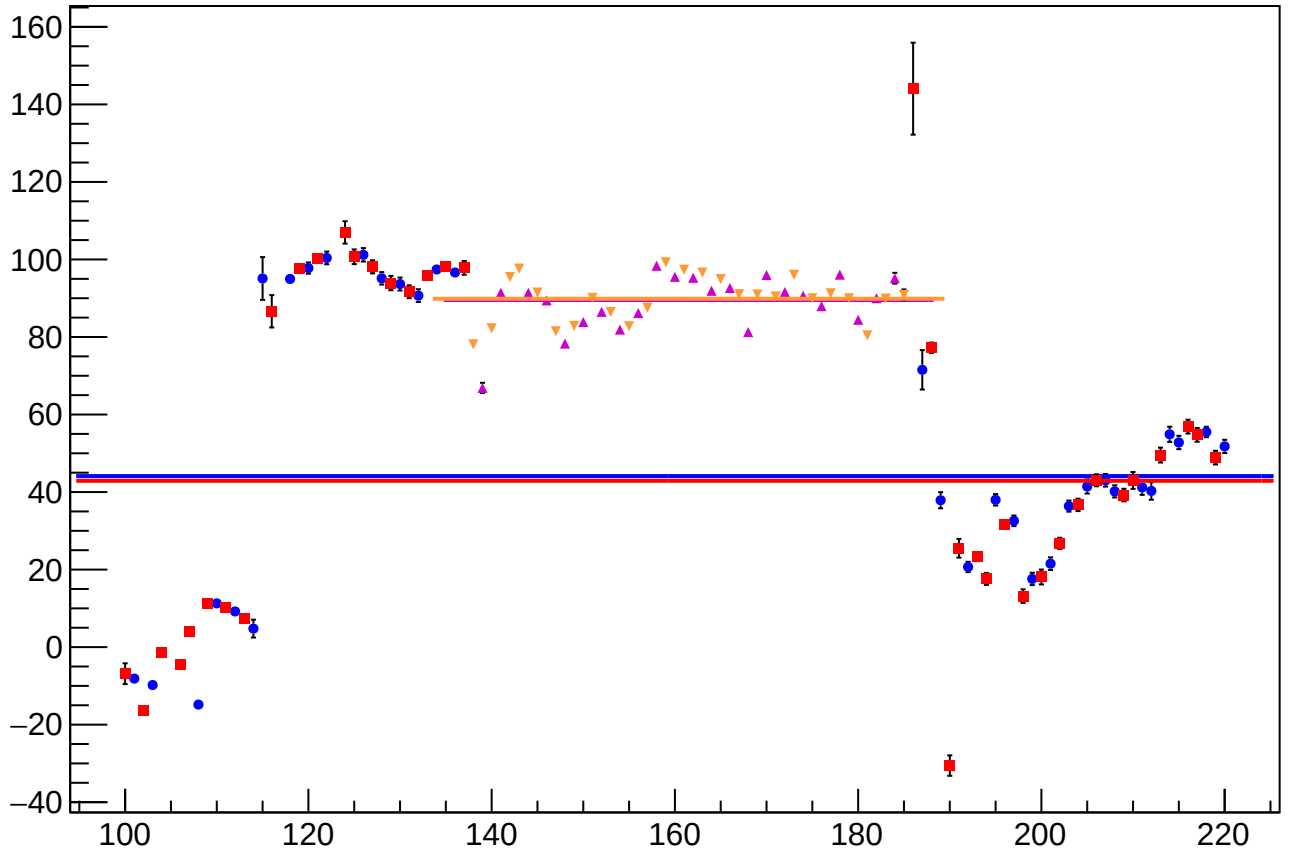
Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

Right: 6.060+/-0.124 χ^2/NDF: 1807.7/69

In: 9.860+/-0.138 χ^2/NDF:3878.1/55

Out: 9.189+/-0.131 χ^2/NDF:5289.2/61

All: 9.509+/-0.095 χ^2/NDF: 9179.7/117



Right In: 44.120+/-0.245 χ^2/NDF: 28100.0/32

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.911+/-0.232 χ^2/NDF: 31878.4/36

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

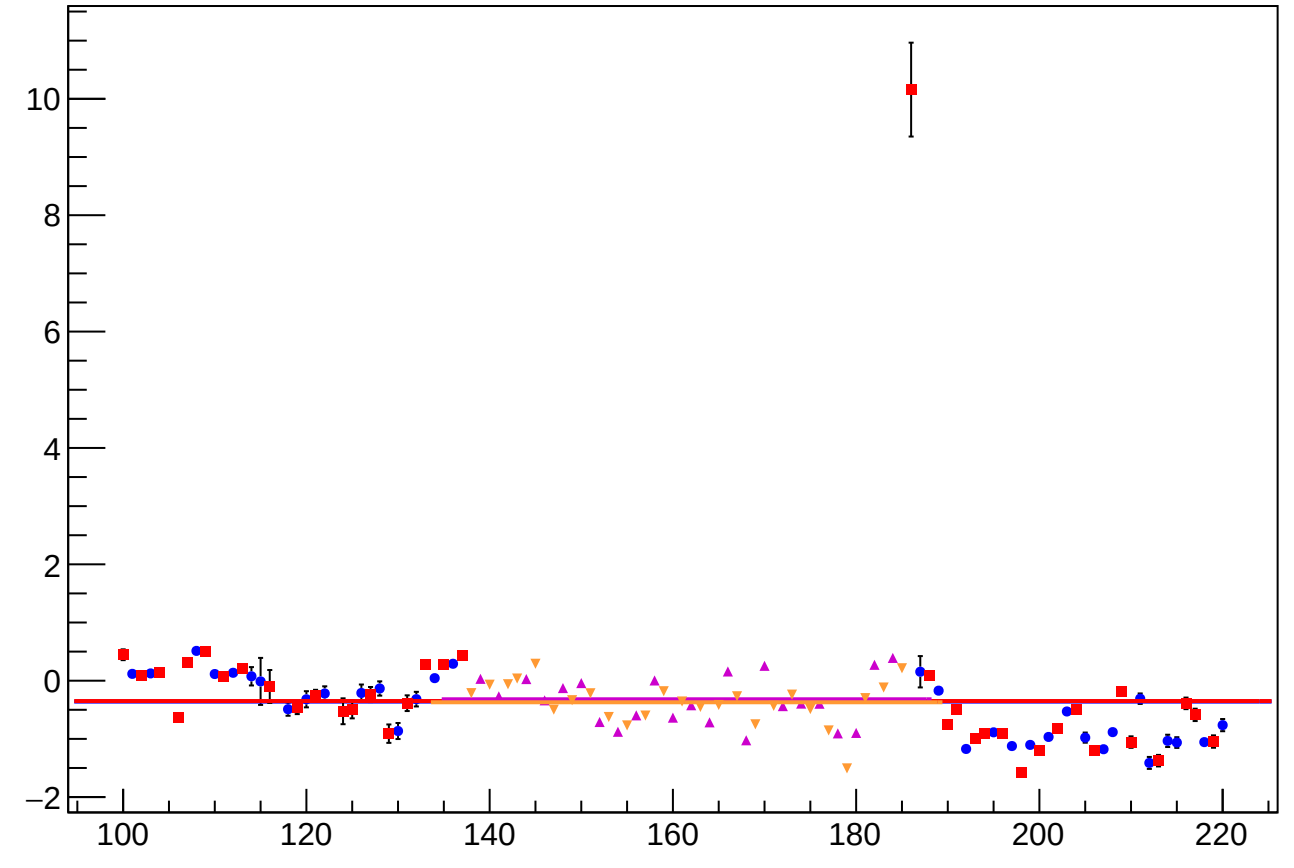
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 43.483+/-0.168 χ^2/NDF: 59991.2/69

In: 72.756+/-0.149 χ^2/NDF:50874.6/55

Out: 72.109+/-0.143 χ^2/NDF:58404.5/61

All: 72.419+/-0.103 χ^2/NDF: 109288.9/117



Right In: -0.359+/-0.010 χ^2/NDF: 3579.3/32

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.350+/-0.010 χ^2/NDF: 3901.2/36

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

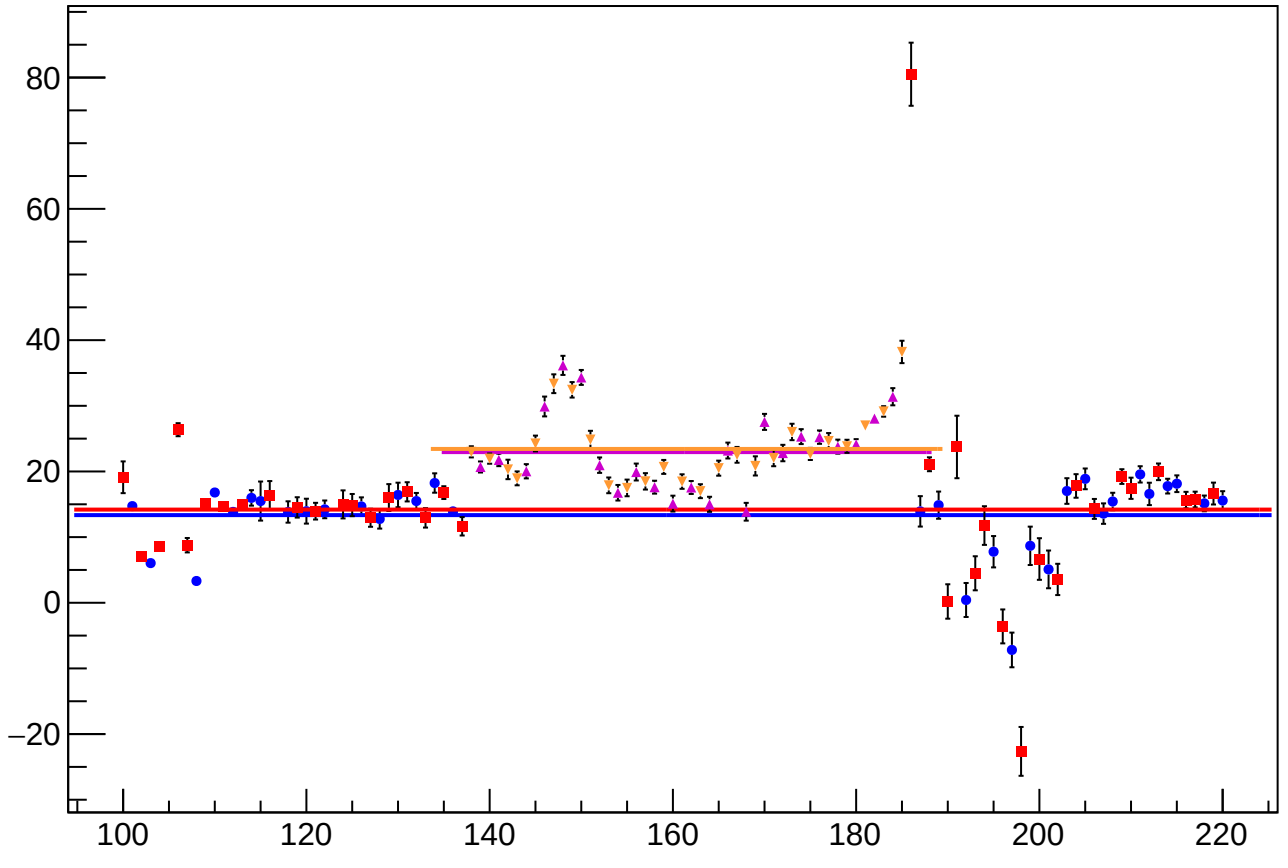
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.354+/-0.007 χ^2/NDF: 7481.0/69

In: -0.335+/-0.006 χ^2/NDF:6029.7/55

Out: -0.362+/-0.006 χ^2/NDF:5673.5/61

All: -0.349+/-0.004 χ^2/NDF: 11712.8/117



Right In: 13.351+/-0.188 χ^2/NDF: 577.3/32

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.193+/-0.182 χ^2/NDF: 913.8/36

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

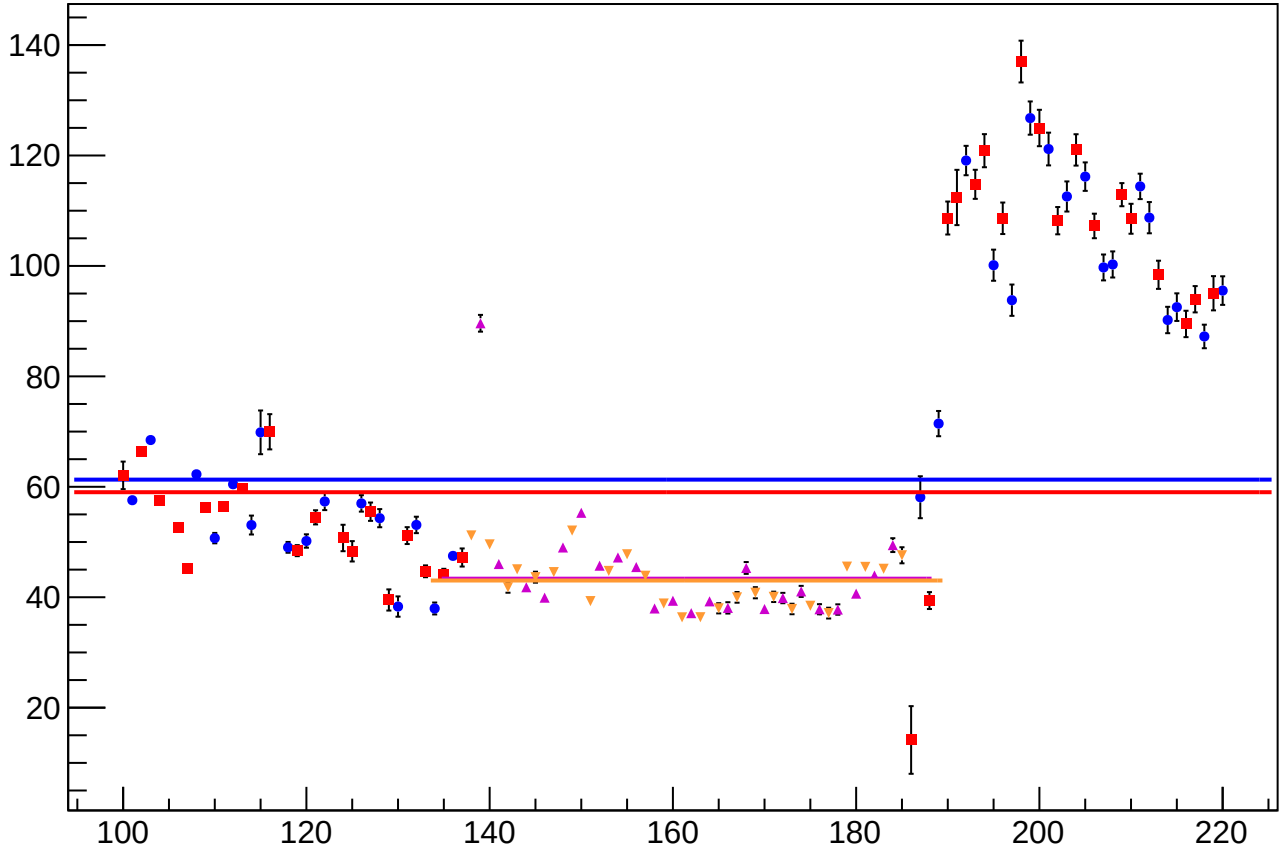
Right: 13.786+/-0.131 χ^2/NDF: 1501.4/69

In: 17.298+/-0.145 χ^2/NDF:2210.3/55

Out: 18.036+/-0.139 χ^2/NDF:2411.5/61

All: 17.681+/-0.100 χ^2/NDF: 4635.3/117

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 61.299+/-0.209 χ^2/NDF: 6048.0/32

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 59.021+/-0.211 χ^2/NDF: 7176.1/36

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

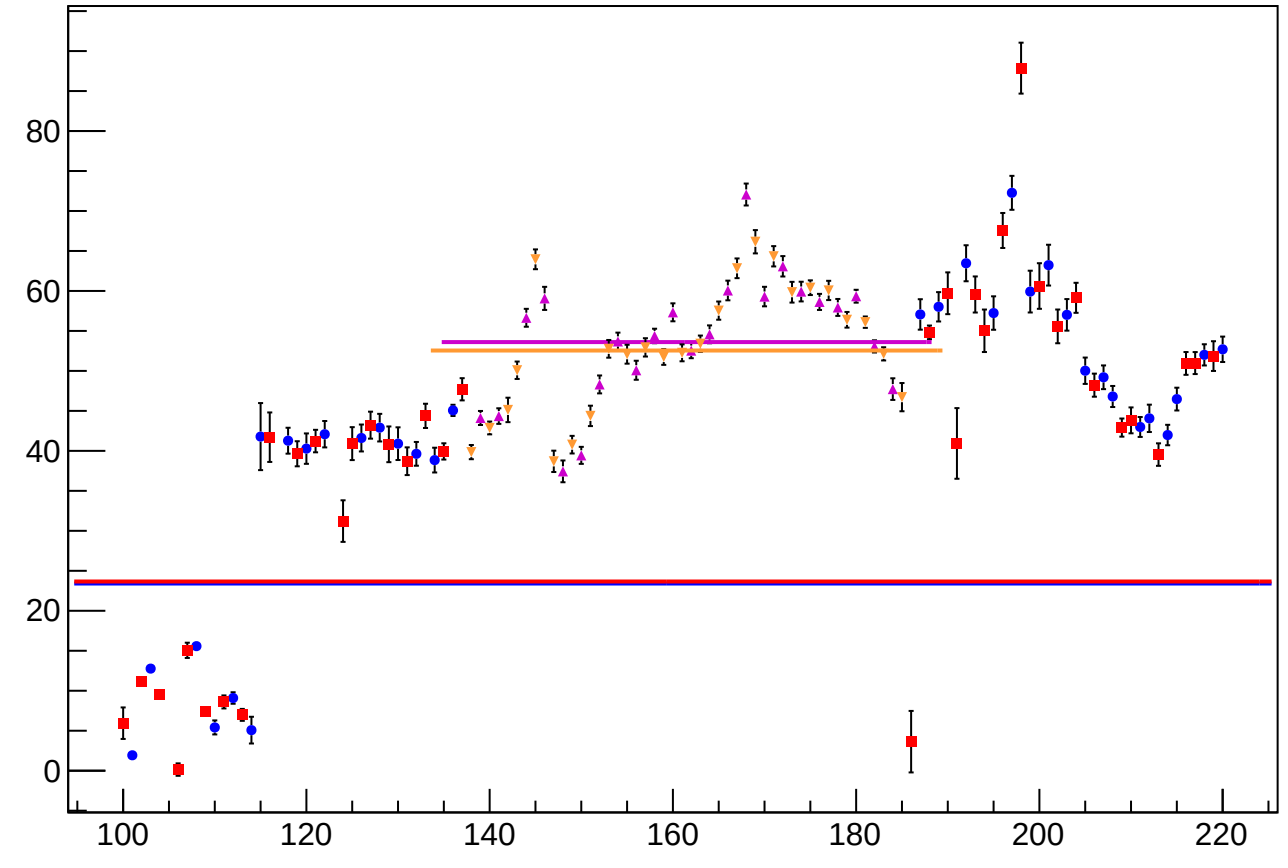
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 60.171+/-0.149 χ^2/NDF: 13282.9/69

In: 50.850+/-0.135 χ^2/NDF:12016.6/55

Out: 49.199+/-0.131 χ^2/NDF:11482.5/61

All: 50.000+/-0.094 χ^2/NDF: 23576.0/117



Right In: 23.411+/-0.189 χ^2/NDF: 11576.1/32

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 23.663+/-0.192 χ^2/NDF: 10707.0/36

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

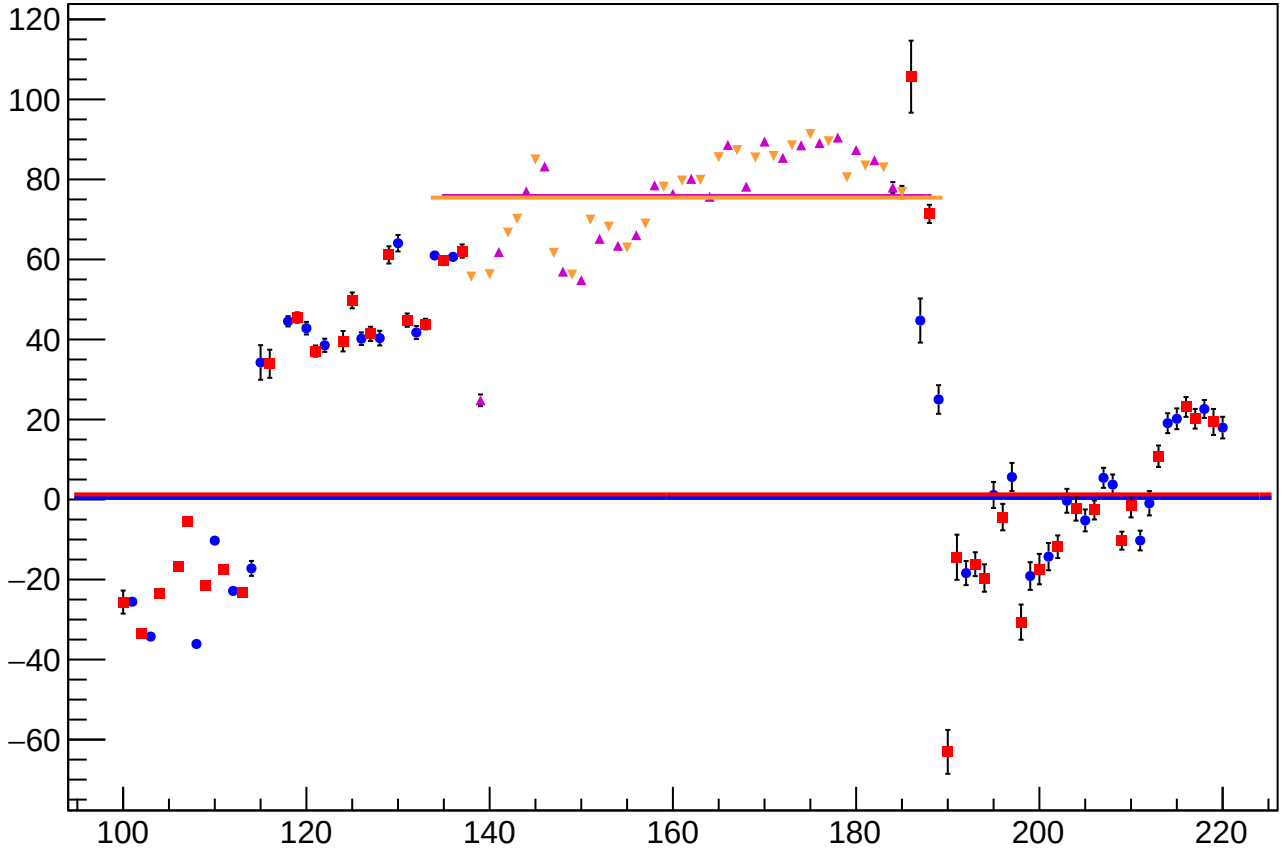
Right: 23.535+/-0.135 χ^2/NDF: 22284.0/69

In: 36.020+/-0.144 χ^2/NDF:23278.9/55

Out: 36.490+/-0.143 χ^2/NDF:21968.6/61

All: 36.257+/-0.101 χ^2/NDF: 45252.9/117

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.404+/-0.245 χ^2/NDF: 21524.9/32

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.286+/-0.247 χ^2/NDF: 17651.3/36

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

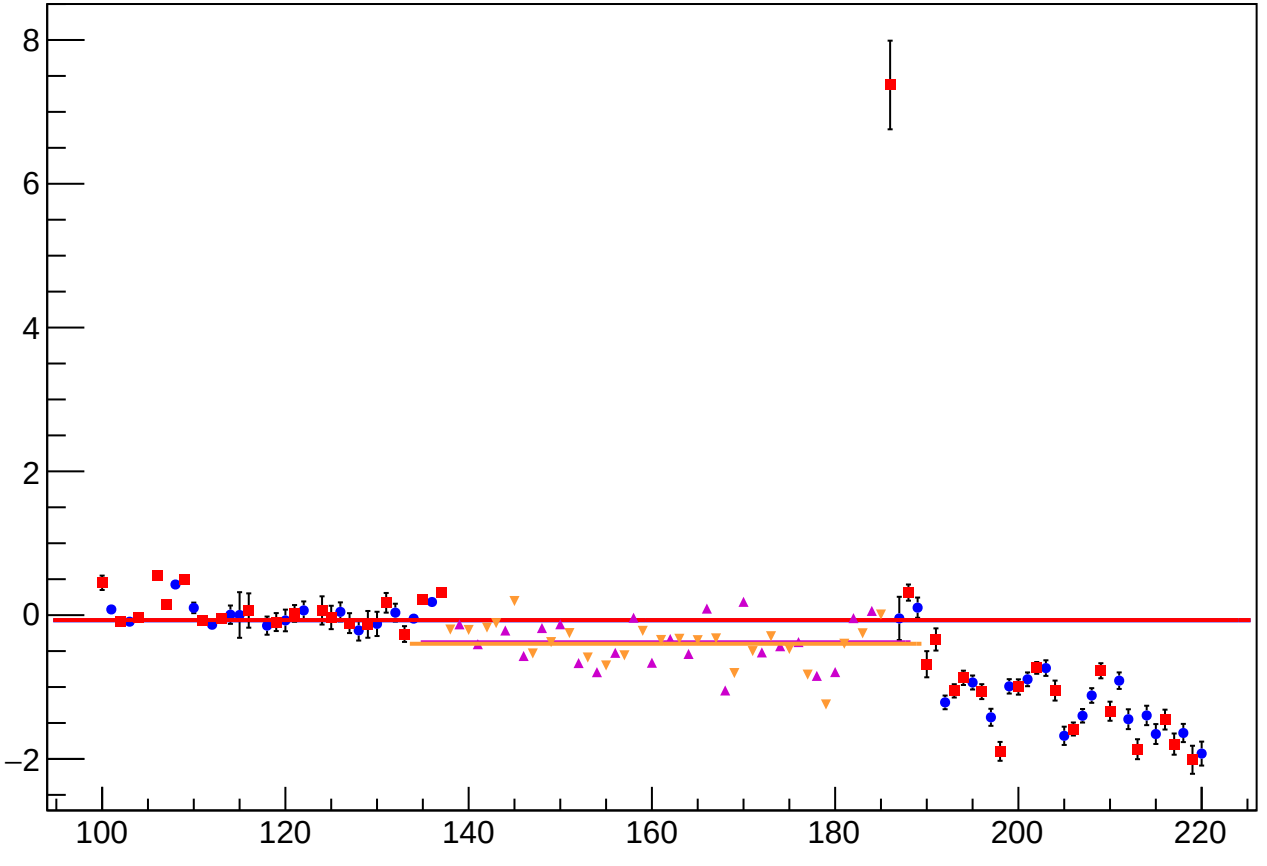
Right: 0.841+/-0.174 χ^2/NDF: 39182.6/69

In: 46.153+/-0.154 χ^2/NDF:83354.9/55

Out: 48.216+/-0.150 χ^2/NDF:78054.0/61

All: 47.210+/-0.107 χ^2/NDF: 161501.3/117

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.072+/-0.010 χ^2/NDF: 2194.9/32

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.068+/-0.011 χ^2/NDF: 2343.3/36

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

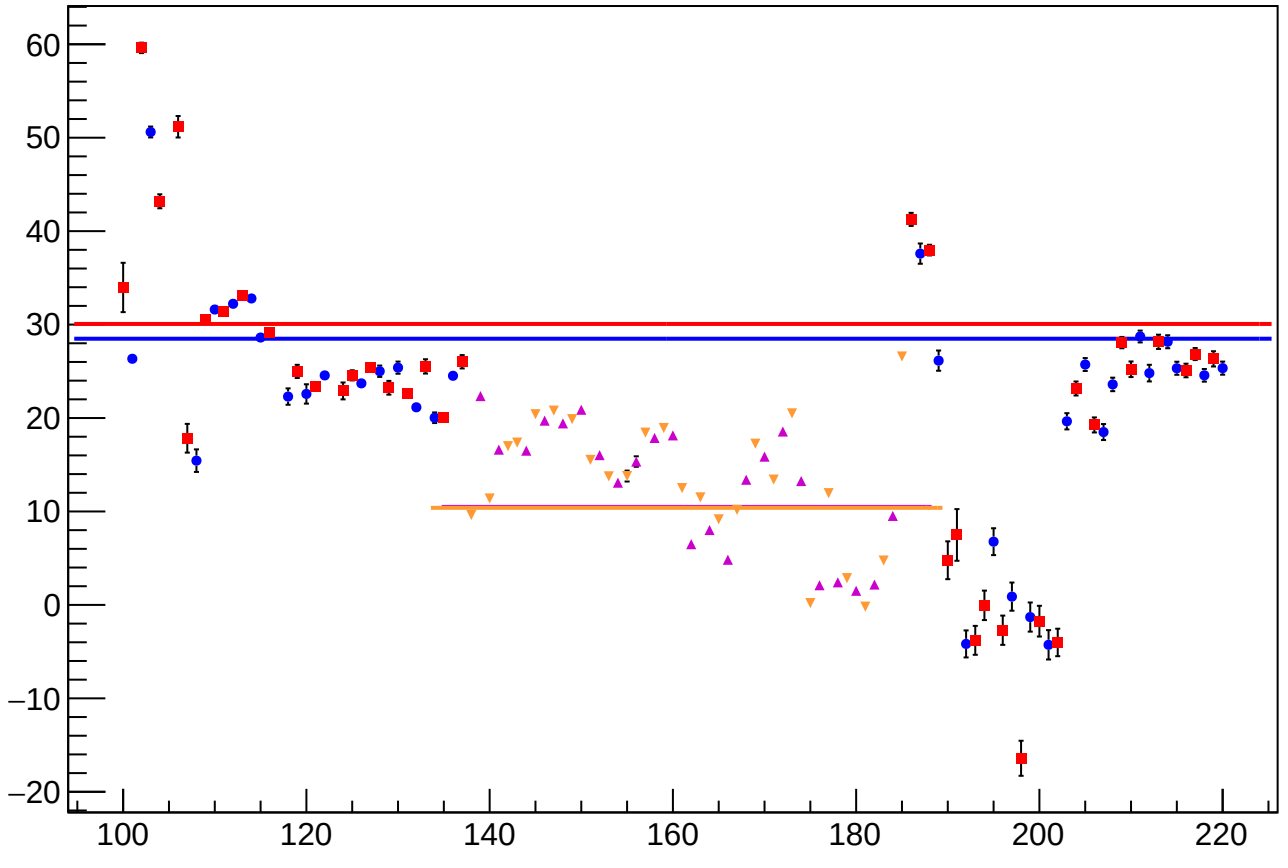
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: -0.070+/-0.007 χ^2/NDF: 4538.3/69

In: -0.254+/-0.007 χ^2/NDF:4056.3/55

Out: -0.270+/-0.007 χ^2/NDF:3971.4/61

All: -0.262+/-0.005 χ^2/NDF: 8030.7/117



Right In: 28.488+/-0.084 χ^2/NDF: 5845.3/32

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.068+/-0.075 χ^2/NDF: 9043.3/36

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

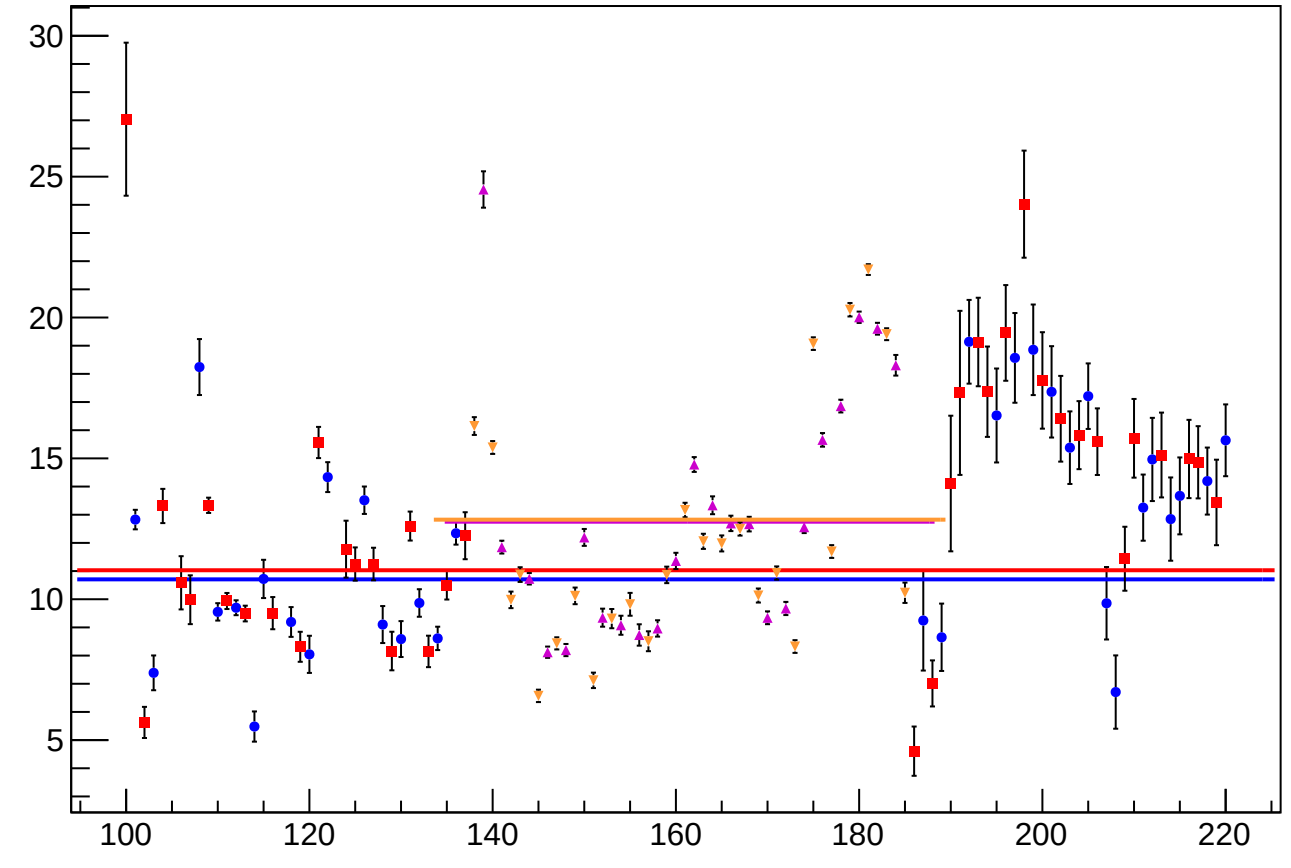
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

Right: 29.371+/-0.056 χ^2/NDF: 15085.4/69

In: 17.436+/-0.052 χ^2/NDF:45383.8/55

Out: 18.719+/-0.049 χ^2/NDF:62695.2/61

All: 18.124+/-0.036 χ^2/NDF: 108401.0/117



Right In: 10.706+/-0.108 χ^2/NDF: 626.5/32

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 11.029+/-0.106 χ^2/NDF: 715.9/36

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

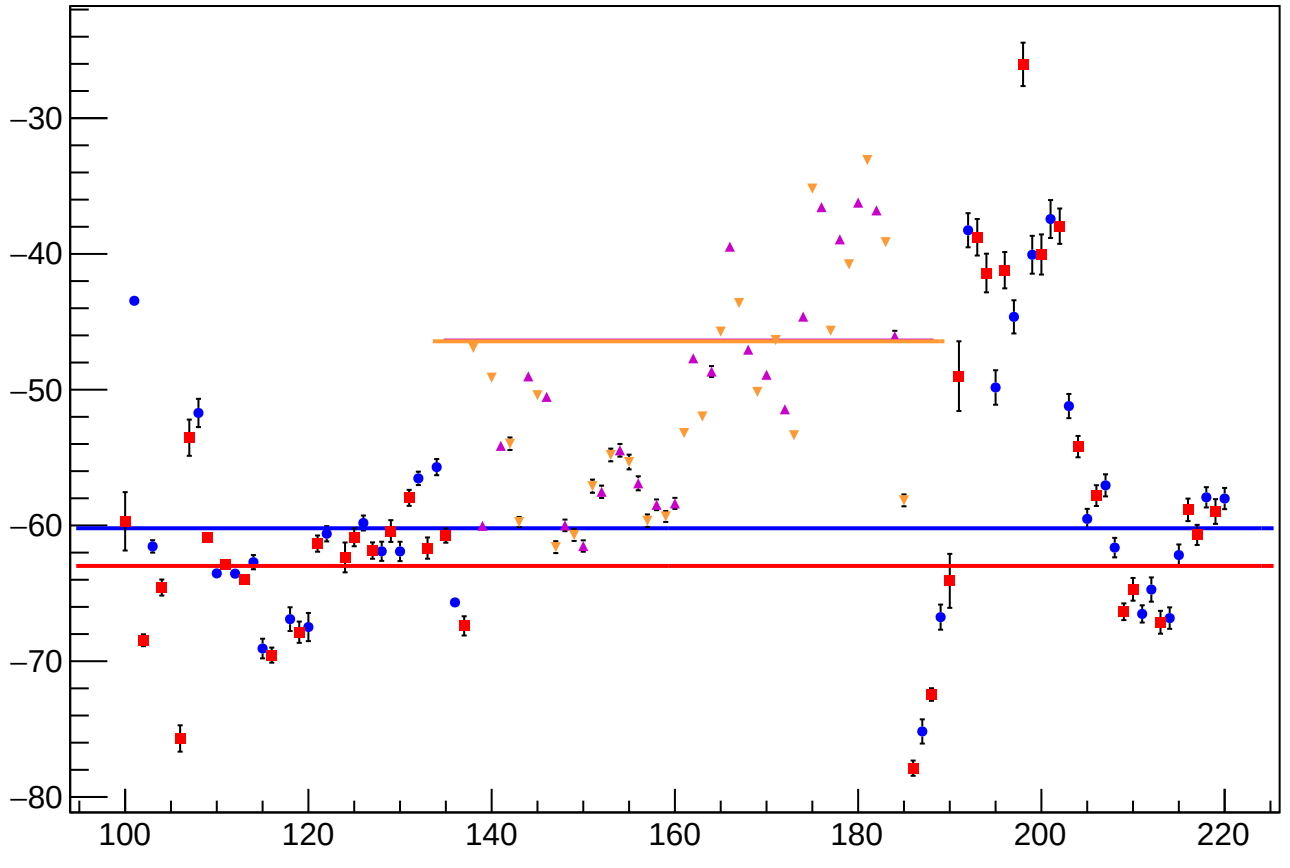
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.870+/-0.076 χ^2/NDF: 1347.0/69

In: 12.355+/-0.048 χ^2/NDF:6419.3/55

Out: 12.488+/-0.046 χ^2/NDF:8964.2/61

All: 12.424+/-0.033 χ^2/NDF: 15387.6/117



Right In: -60.206+/-0.100 χ^2/NDF: 5280.7/32

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -62.982+/-0.095 χ^2/NDF: 4243.5/36

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

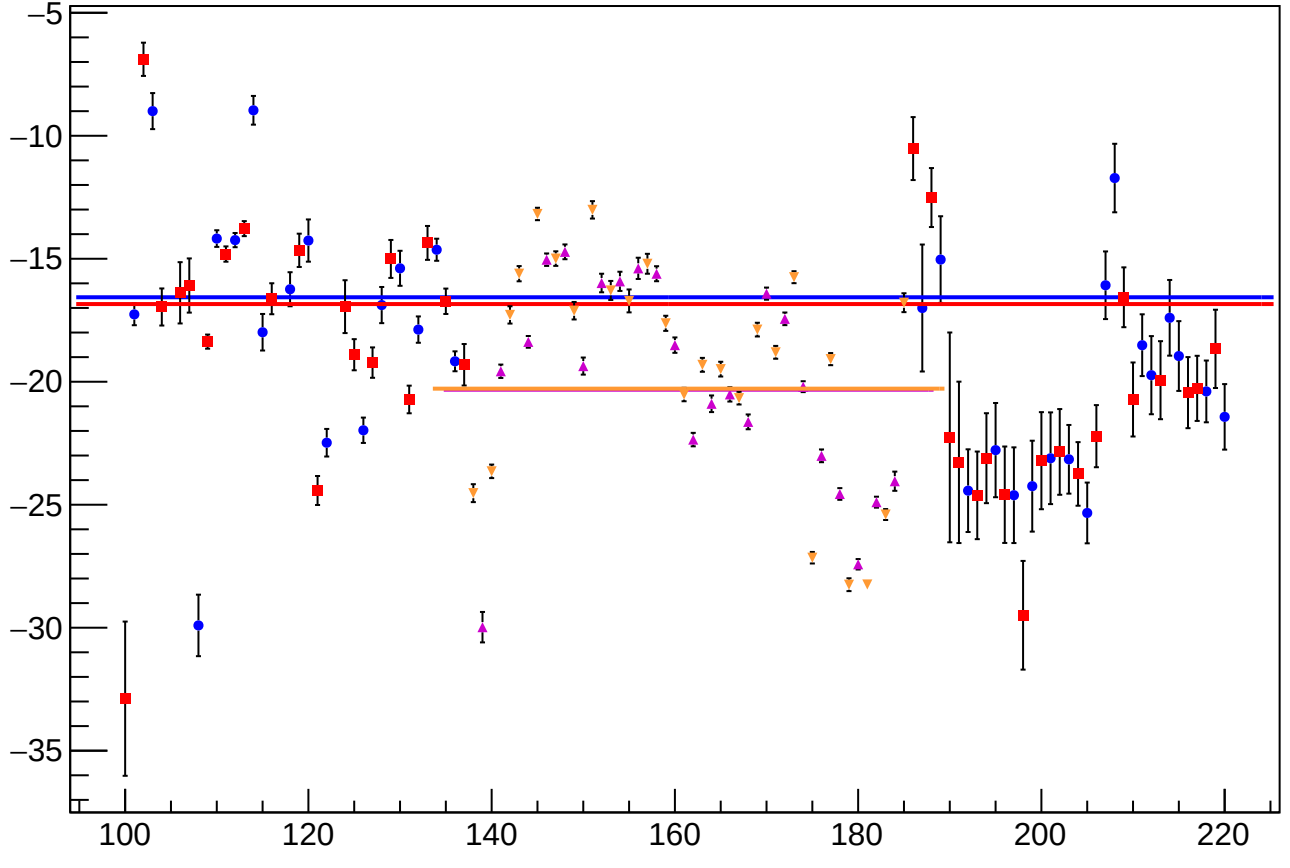
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

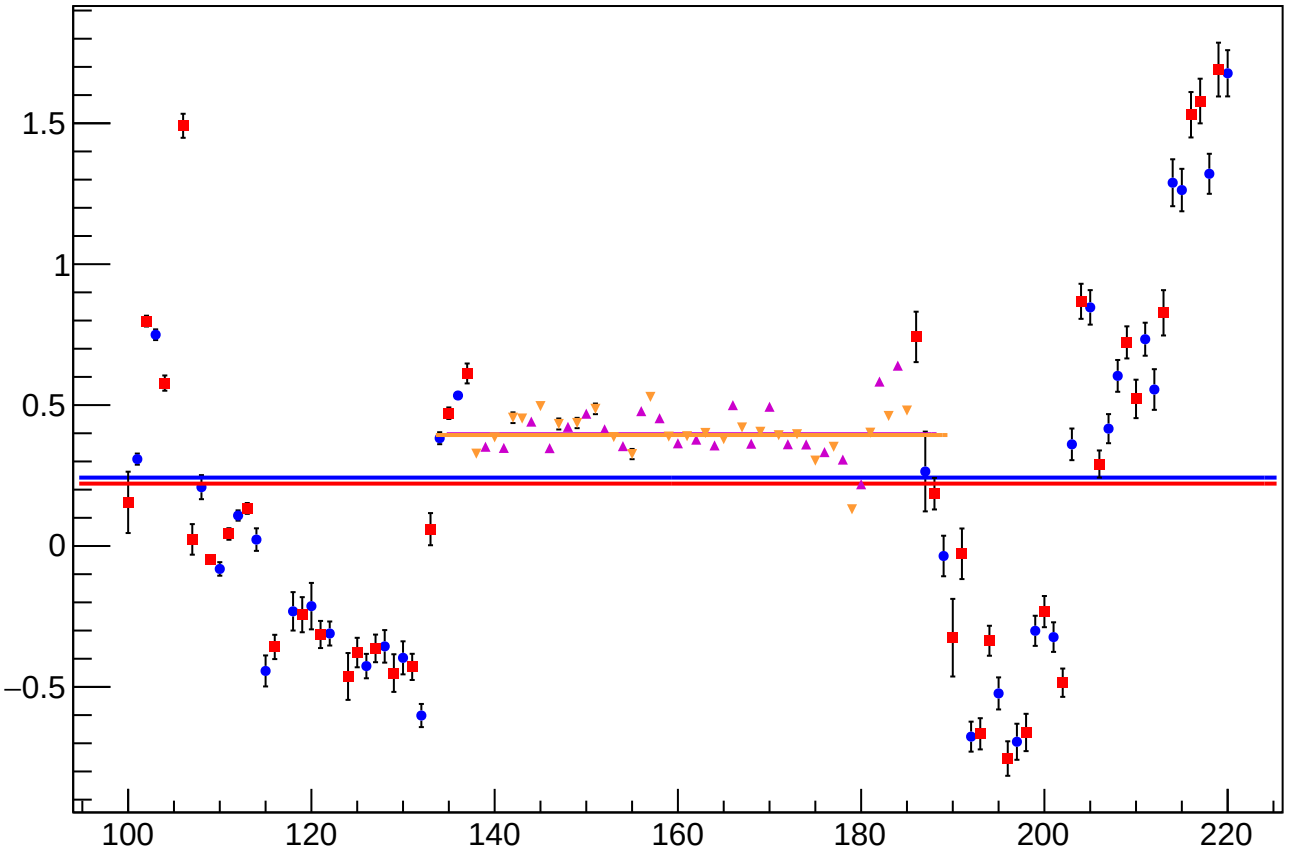
Right: -61.665+/-0.069 χ^2/NDF: 9931.6/69

In: -50.666+/-0.055 χ^2/NDF:33630.1/55

Out: -51.671+/-0.053 χ^2/NDF:43286.7/61

All: -51.189+/-0.038 χ^2/NDF: 77087.4/117


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
120
140
160
180
200
220
Right In: -16.565+/-0.120 χ²/NDF: 1004.8/32
Left Out: -20.281+/-0.057 χ²/NDF:7019.5/24
Right Out: -16.842+/-0.118 χ²/NDF: 907.5/36
Left In: -20.324+/-0.059 χ²/NDF:4272.7/22
Left: -20.302+/-0.041 χ²/NDF: 11292.4/47
Right: -16.706+/-0.084 χ²/NDF: 1915.0/69
In: -19.594+/-0.053 χ²/NDF:6064.5/55
Out: -19.630+/-0.051 χ²/NDF:8614.4/61
All: -19.612+/-0.037 χ²/NDF: 14679.1/117



Right In: 0.243+/-0.006 χ^2/NDF: 4683.3/32

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.221+/-0.006 χ^2/NDF: 5779.6/36

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

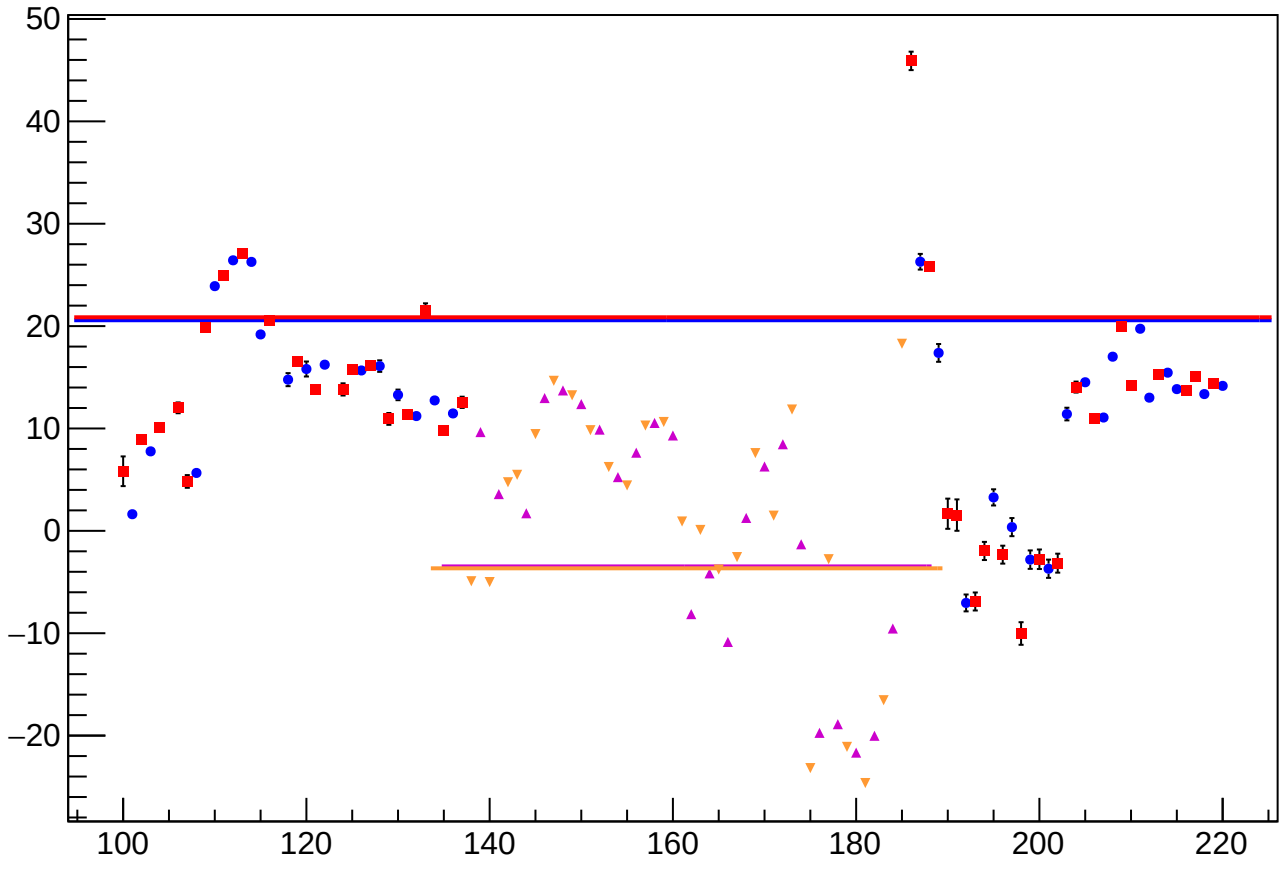
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.232+/-0.005 χ^2/NDF: 10468.4/69

In: 0.374+/-0.002 χ^2/NDF:6472.8/55

Out: 0.370+/-0.002 χ^2/NDF:7347.1/61

All: 0.372+/-0.002 χ^2/NDF: 13821.5/117



Right In: 20.574+/-0.050 χ^2/NDF: 19704.0/32

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 20.860+/-0.043 χ^2/NDF: 19131.7/36

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

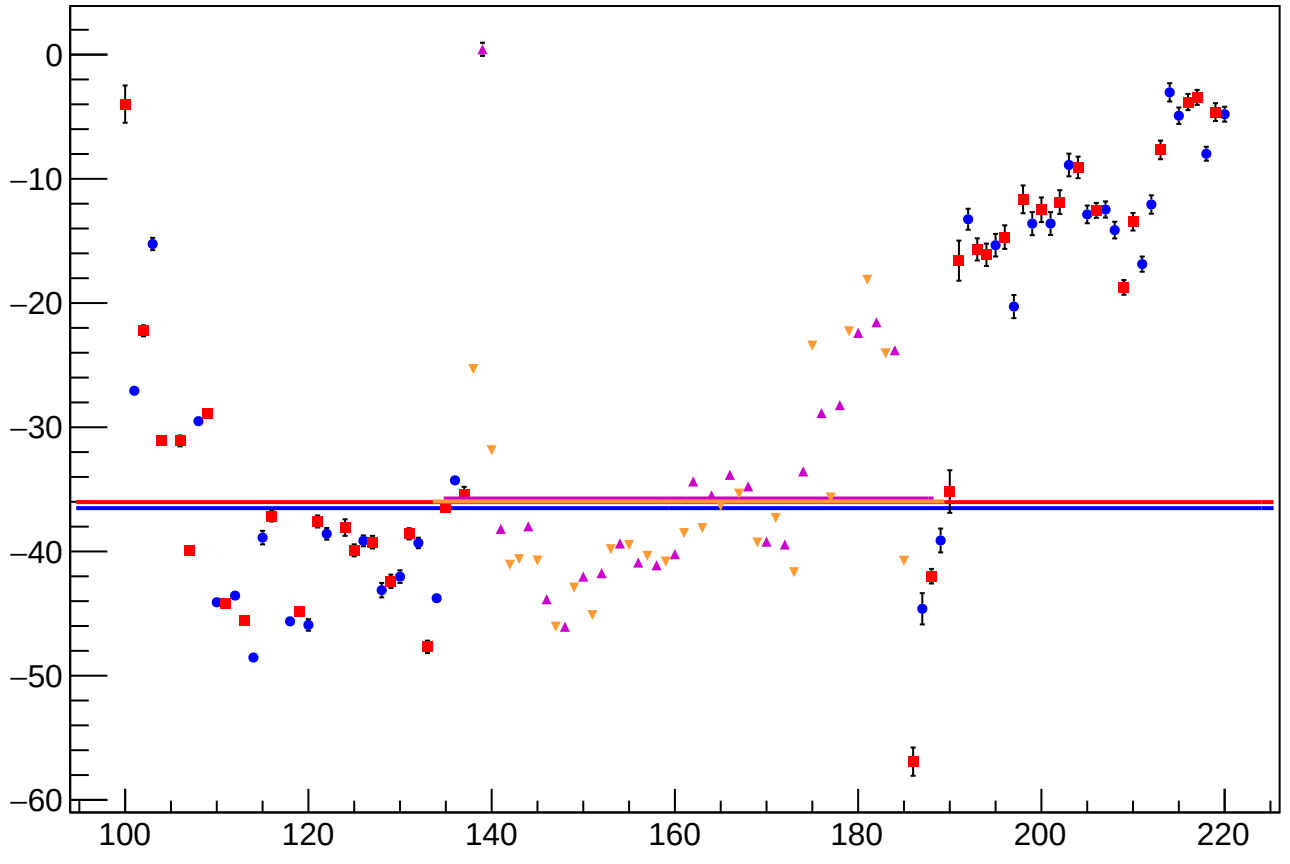
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 20.740+/-0.033 χ^2/NDF: 38854.4/69

In: 10.096+/-0.038 χ^2/NDF:163820.9/55

Out: 11.450+/-0.034 χ^2/NDF:200443.3/61

All: 10.851+/-0.025 χ^2/NDF: 364975.1/117



Right In: -36.512+/-0.071 χ^2/NDF: 29979.3/32

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -36.026+/-0.066 χ^2/NDF: 28714.6/36

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

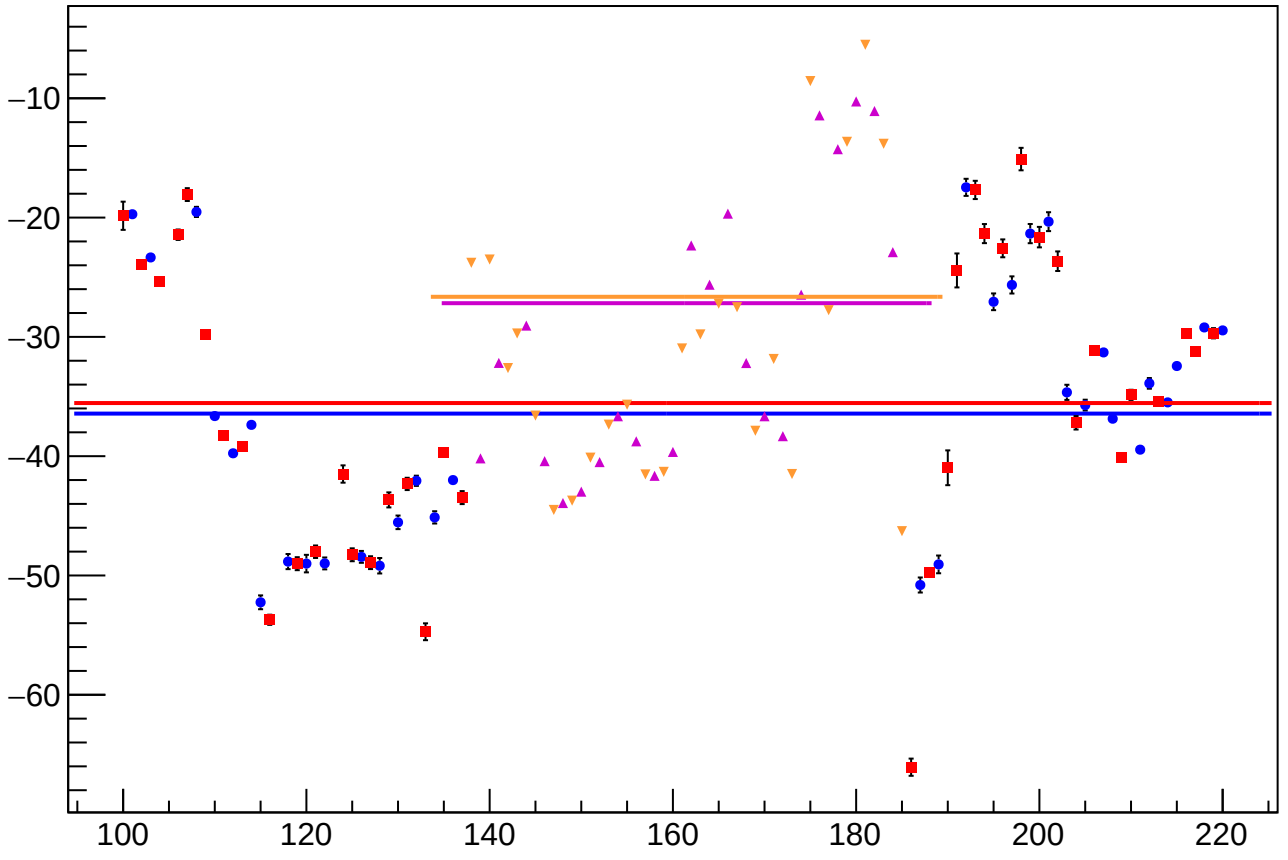
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -36.255+/-0.048 χ^2/NDF: 58719.0/69

In: -35.961+/-0.038 χ^2/NDF:57220.0/55

Out: -35.988+/-0.036 χ^2/NDF:62324.3/61

All: -35.975+/-0.026 χ^2/NDF: 119544.6/117



Right In: -36.431+/-0.062 χ^2/NDF: 14995.9/32

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.546+/-0.056 χ^2/NDF: 19999.3/36

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

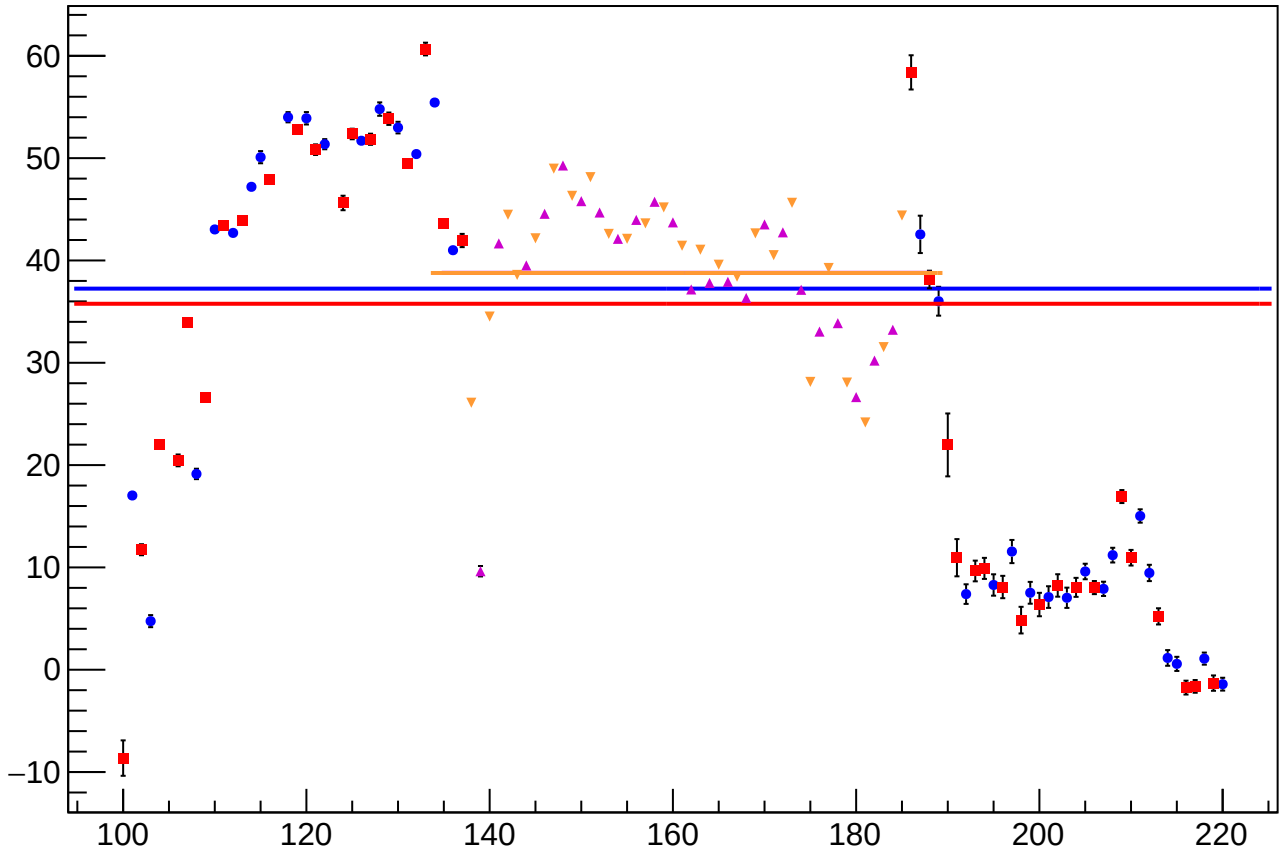
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -35.947+/-0.042 χ^2/NDF: 35106.5/69

In: -31.437+/-0.042 χ^2/NDF:68028.7/55

Out: -30.942+/-0.039 χ^2/NDF:82915.5/61

All: -31.173+/-0.029 χ^2/NDF: 151018.3/117



Right In: 37.247+/-0.078 χ^2/NDF: 43034.1/32

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 35.767+/-0.073 χ^2/NDF: 39803.4/36

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

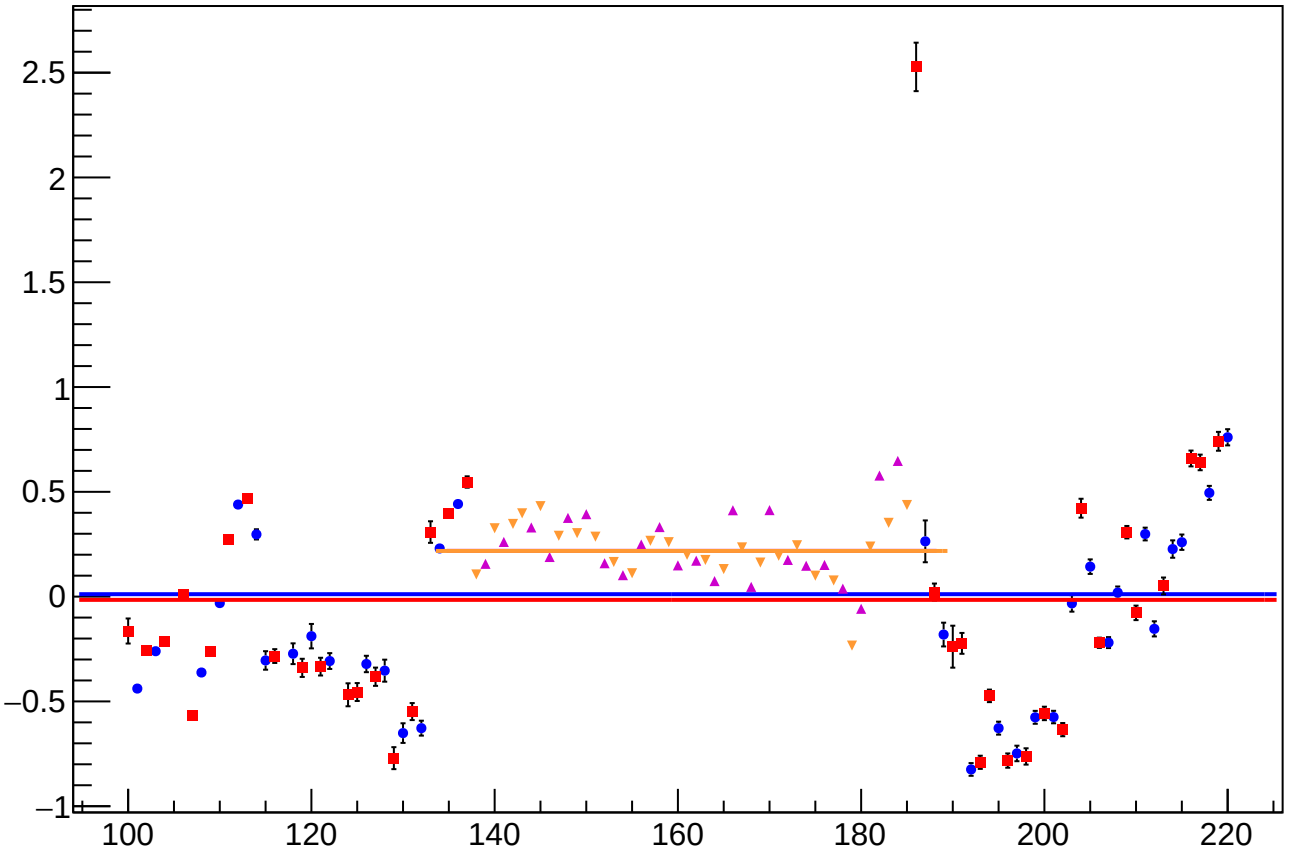
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 36.458+/-0.053 χ^2/NDF: 83028.4/69

In: 38.341+/-0.042 χ^2/NDF:59550.9/55

Out: 37.880+/-0.040 χ^2/NDF:62060.8/61

All: 38.098+/-0.029 χ^2/NDF: 121674.6/117



Right In: 0.012+/-0.004 χ^2/NDF: 8852.6/32

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.015+/-0.004 χ^2/NDF: 10569.5/36

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

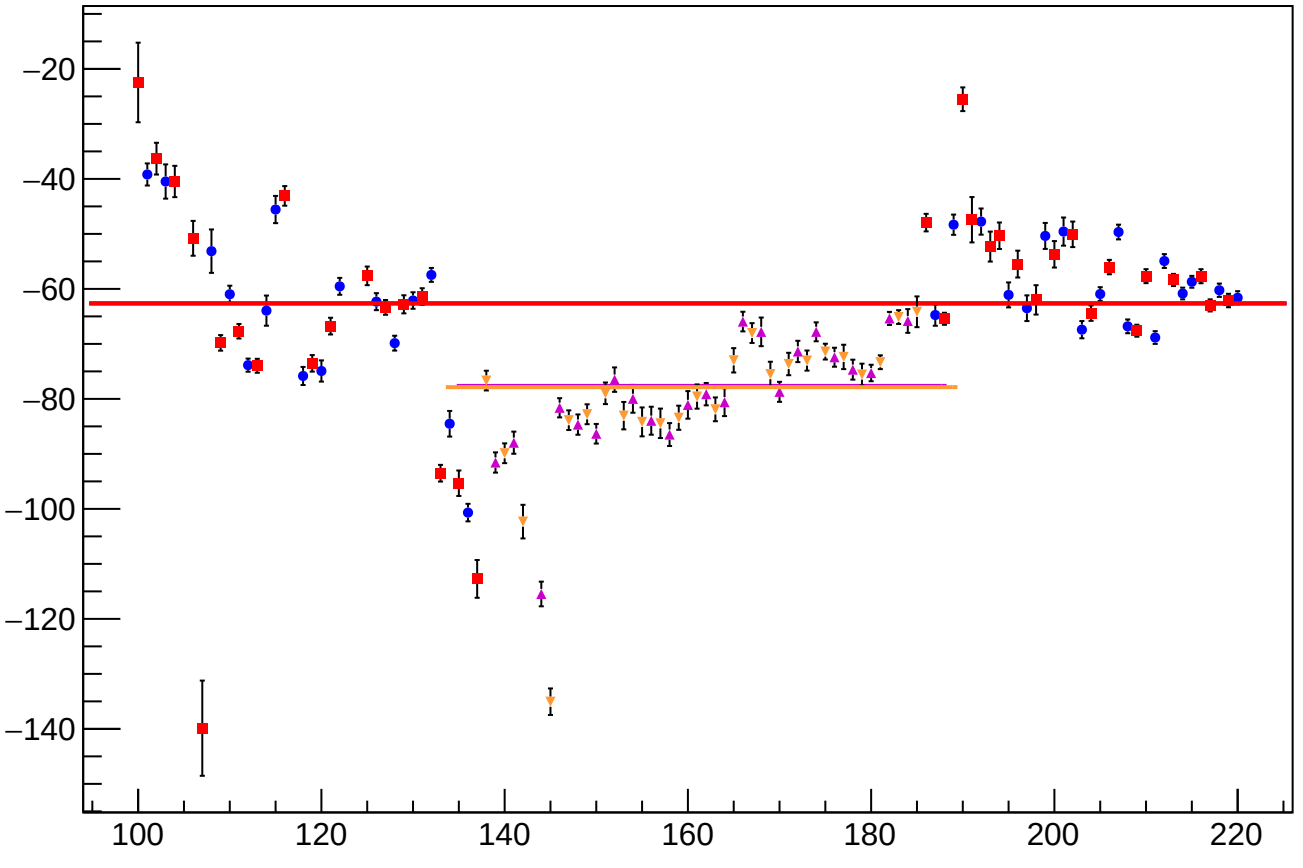
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.003+/-0.003 χ^2/NDF: 19444.4/69

In: 0.173+/-0.002 χ^2/NDF:16061.3/55

Out: 0.164+/-0.002 χ^2/NDF:17381.4/61

All: 0.168+/-0.001 χ^2/NDF: 33453.4/117



Right In: -62.650+/-0.270 χ^2/NDF: 1498.3/32

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.619+/-0.271 χ^2/NDF: 1990.6/35

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

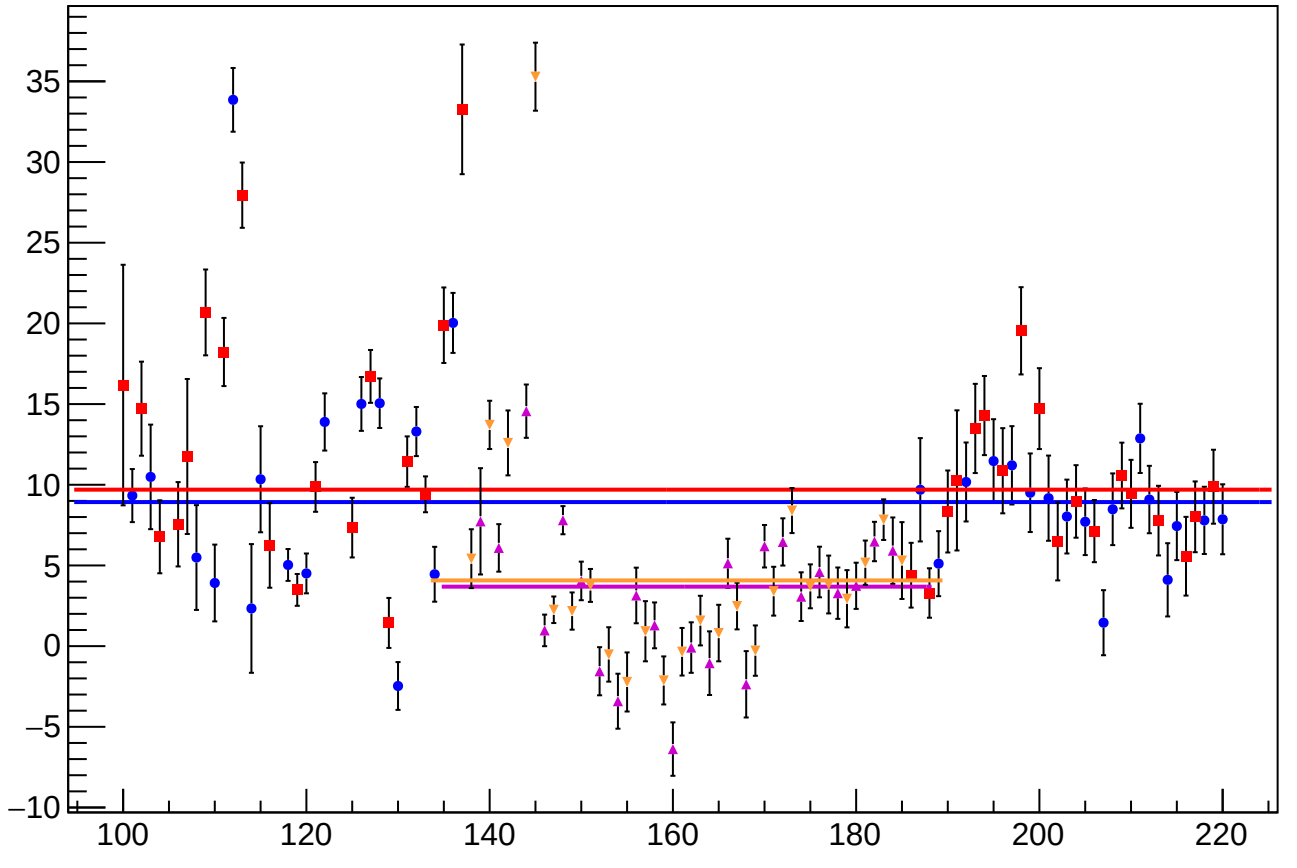
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -62.635+/-0.191 χ^2/NDF: 3488.9/68

In: -67.405+/-0.223 χ^2/NDF:3168.2/55

Out: -67.508+/-0.223 χ^2/NDF:3939.9/59

All: -67.457+/-0.158 χ^2/NDF: 7108.2/115



Right In: 8.927+/-0.337 χ^2/NDF: 372.6/32

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.697+/-0.338 χ^2/NDF: 321.2/35

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

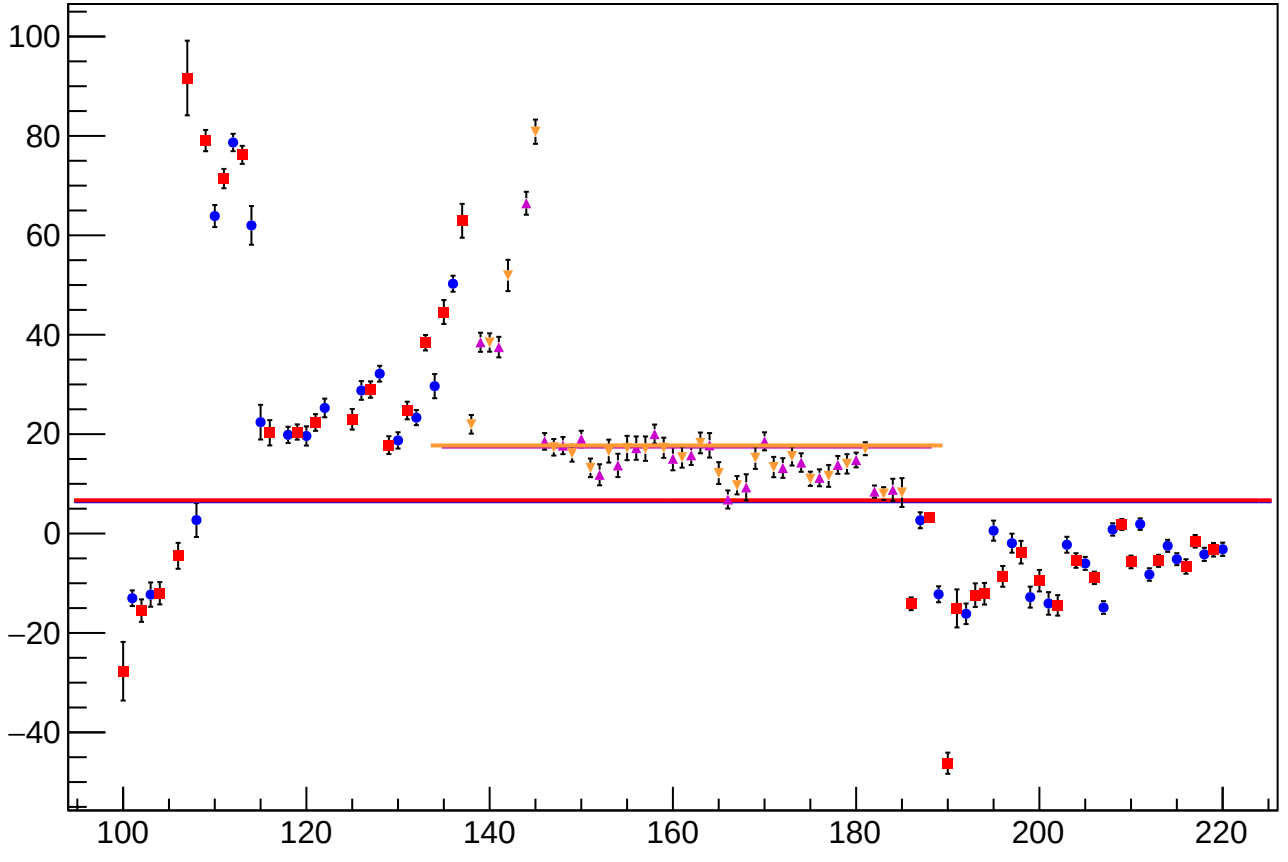
Right: 9.312+/-0.239 χ^2/NDF: 696.4/68

In: 6.014+/-0.225 χ^2/NDF:689.3/55

Out: 6.525+/-0.223 χ^2/NDF:848.3/59

All: 6.272+/-0.158 χ^2/NDF: 1540.3/115

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.495+/-0.285 χ^2/NDF: 5728.4/32

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 6.689+/-0.283 χ^2/NDF: 7502.7/35

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

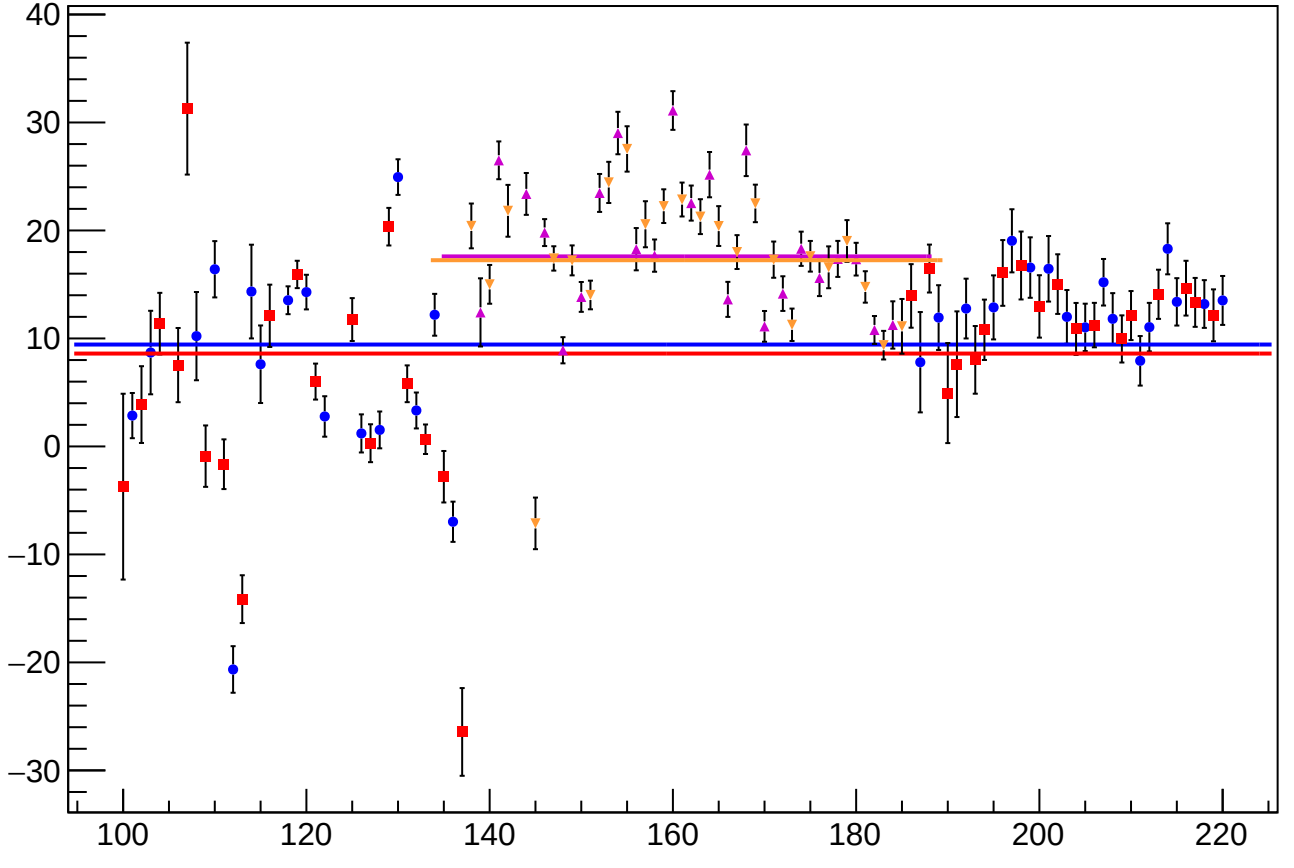
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 6.593+/-0.201 χ^2/NDF: 13231.3/68

In: 10.282+/-0.230 χ^2/NDF:7063.0/55

Out: 10.477+/-0.229 χ^2/NDF:9083.8/59

All: 10.380+/-0.163 χ^2/NDF: 16147.2/115



Right In: 9.436+/-0.385 χ^2/NDF: 530.5/32

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 8.600+/-0.389 χ^2/NDF: 457.7/35

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

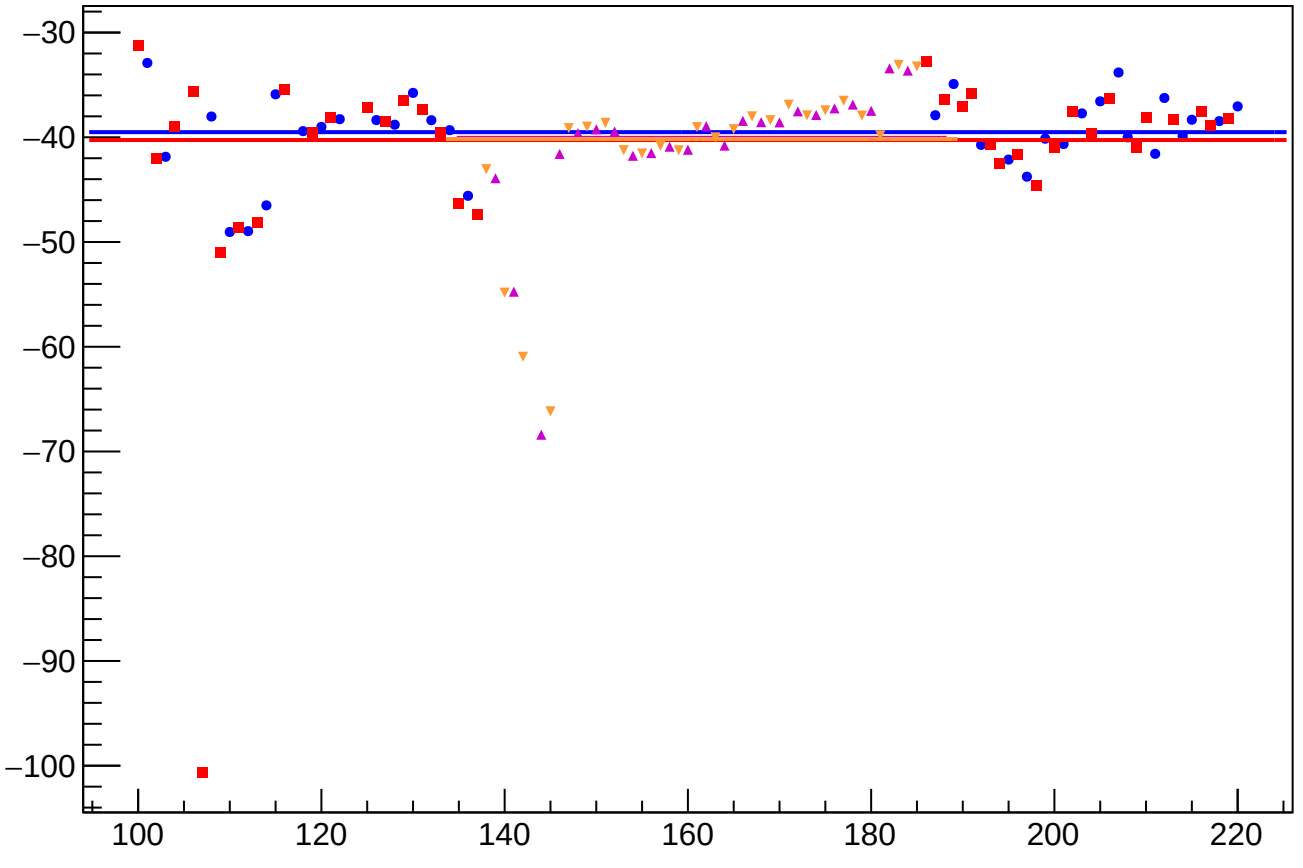
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 9.023+/-0.274 χ^2/NDF: 990.5/68

In: 13.990+/-0.256 χ^2/NDF:1091.5/55

Out: 13.528+/-0.255 χ^2/NDF:999.6/59

All: 13.759+/-0.181 χ^2/NDF: 2092.7/115



Right In: -39.509+/-0.019 χ^2/NDF: 34246.8/32

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.263+/-0.019 χ^2/NDF: 74185.7/35

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

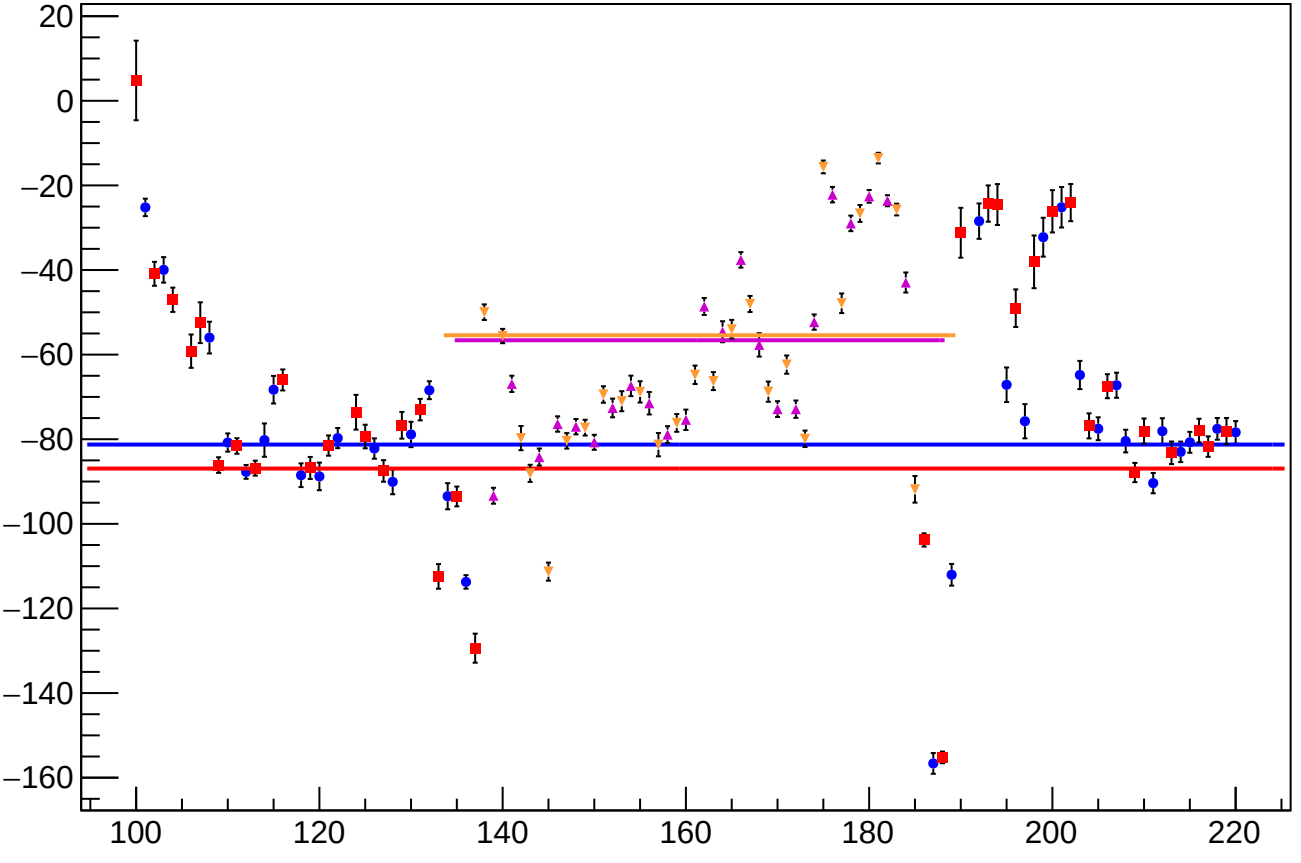
Right: -39.885+/-0.014 χ^2/NDF: 109187.2/68

In: -39.841+/-0.012 χ^2/NDF:171163.2/55

Out: -40.203+/-0.012 χ^2/NDF:237537.3/59

All: -40.021+/-0.009 χ^2/NDF: 409149.7/115

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -81.257+/-0.464 χ^2/NDF: 3065.8/32

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -86.930+/-0.445 χ^2/NDF: 4640.8/35

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

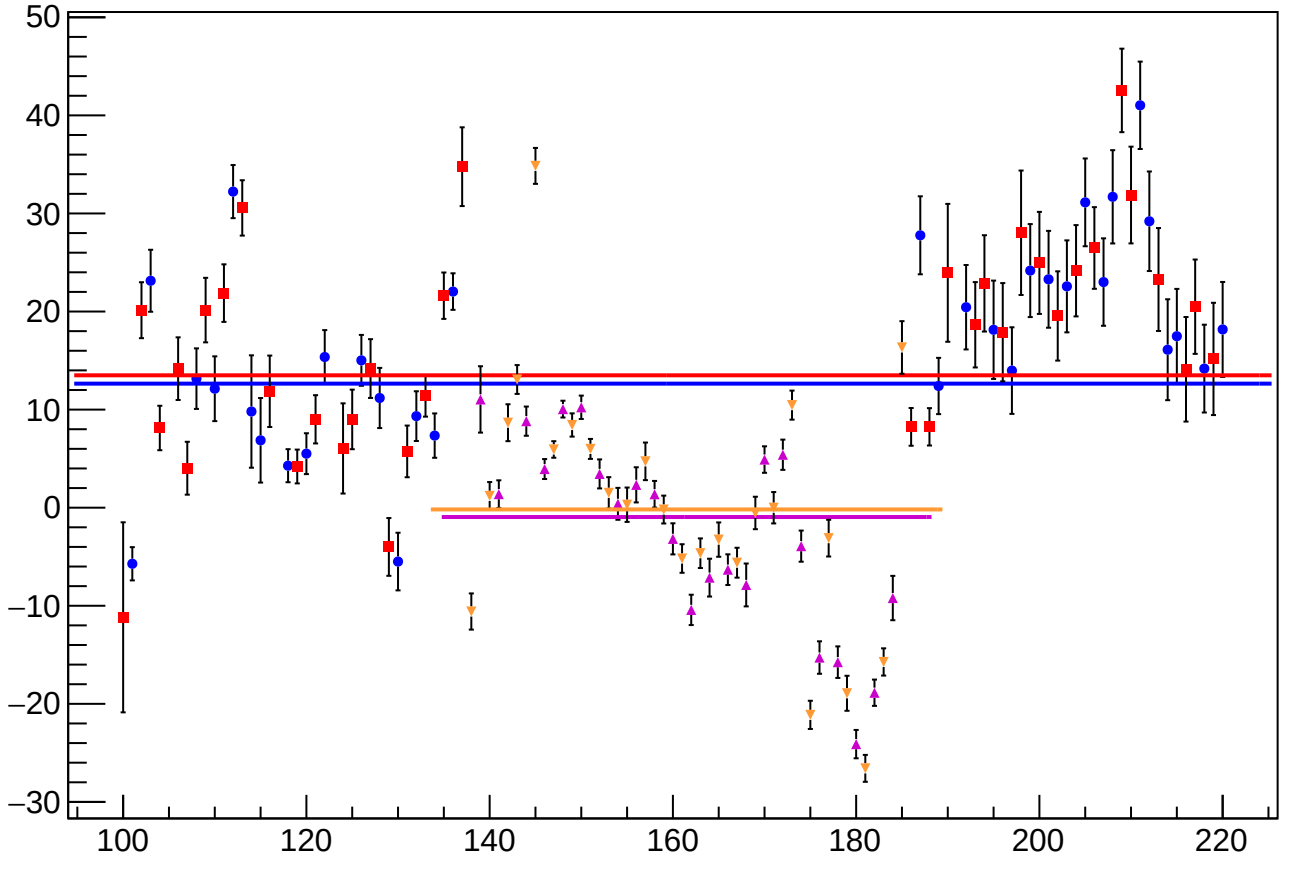
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.212+/-0.321 χ^2/NDF: 7784.6/68

In: -67.241+/-0.304 χ^2/NDF:8023.7/55

Out: -69.255+/-0.295 χ^2/NDF:11983.4/60

All: -68.281+/-0.212 χ^2/NDF: 20029.7/116



Right In: 12.648+/-0.538 χ^2/NDF: 418.7/32

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.498+/-0.525 χ^2/NDF: 317.1/35

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

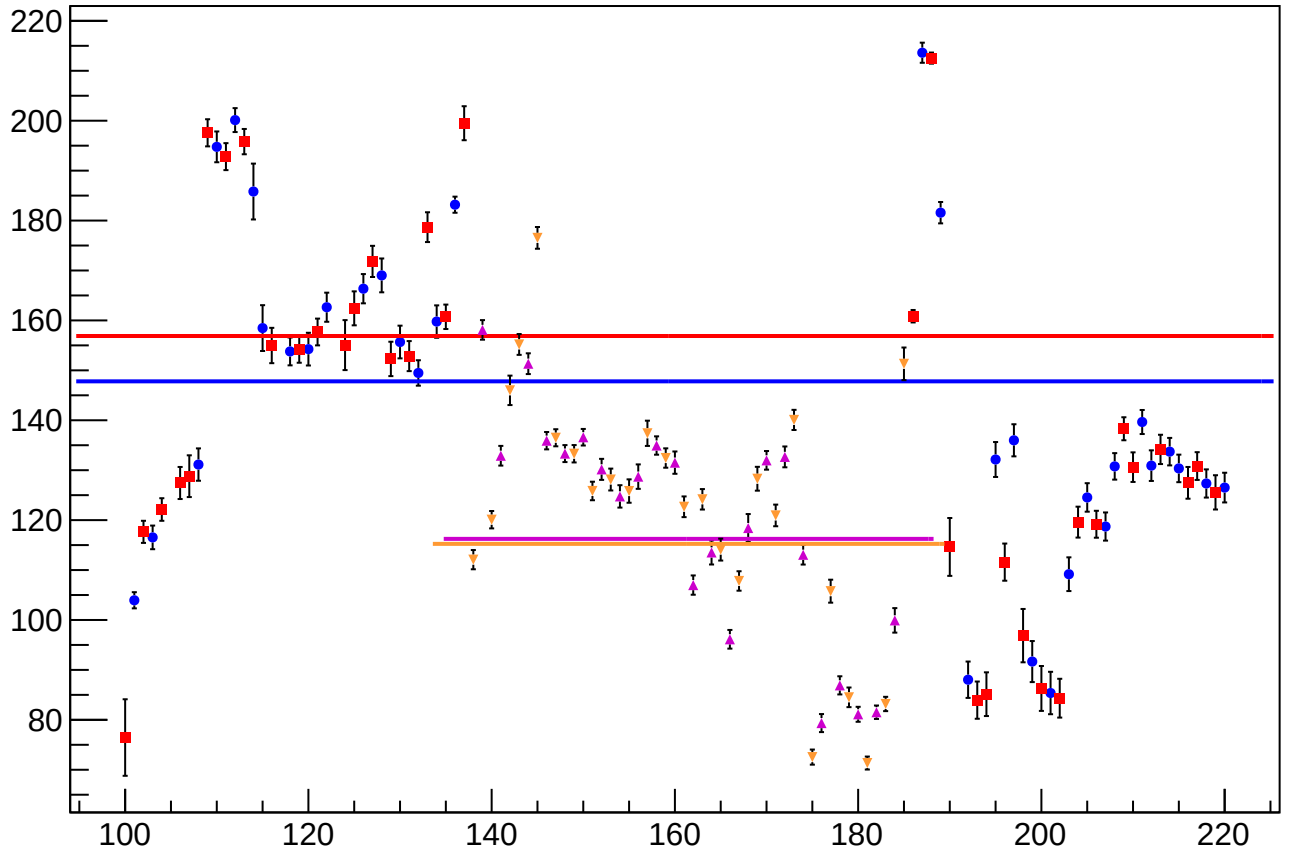
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 13.082+/-0.376 χ^2/NDF: 737.1/68

In: 2.343+/-0.265 χ^2/NDF:1973.0/55

Out: 3.084+/-0.257 χ^2/NDF:2431.5/60

All: 2.725+/-0.184 χ^2/NDF: 4408.5/116



Right In: 147.796+/-0.478 χ^2/NDF: 4887.6/32

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 156.877+/-0.449 χ^2/NDF: 6568.5/35

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

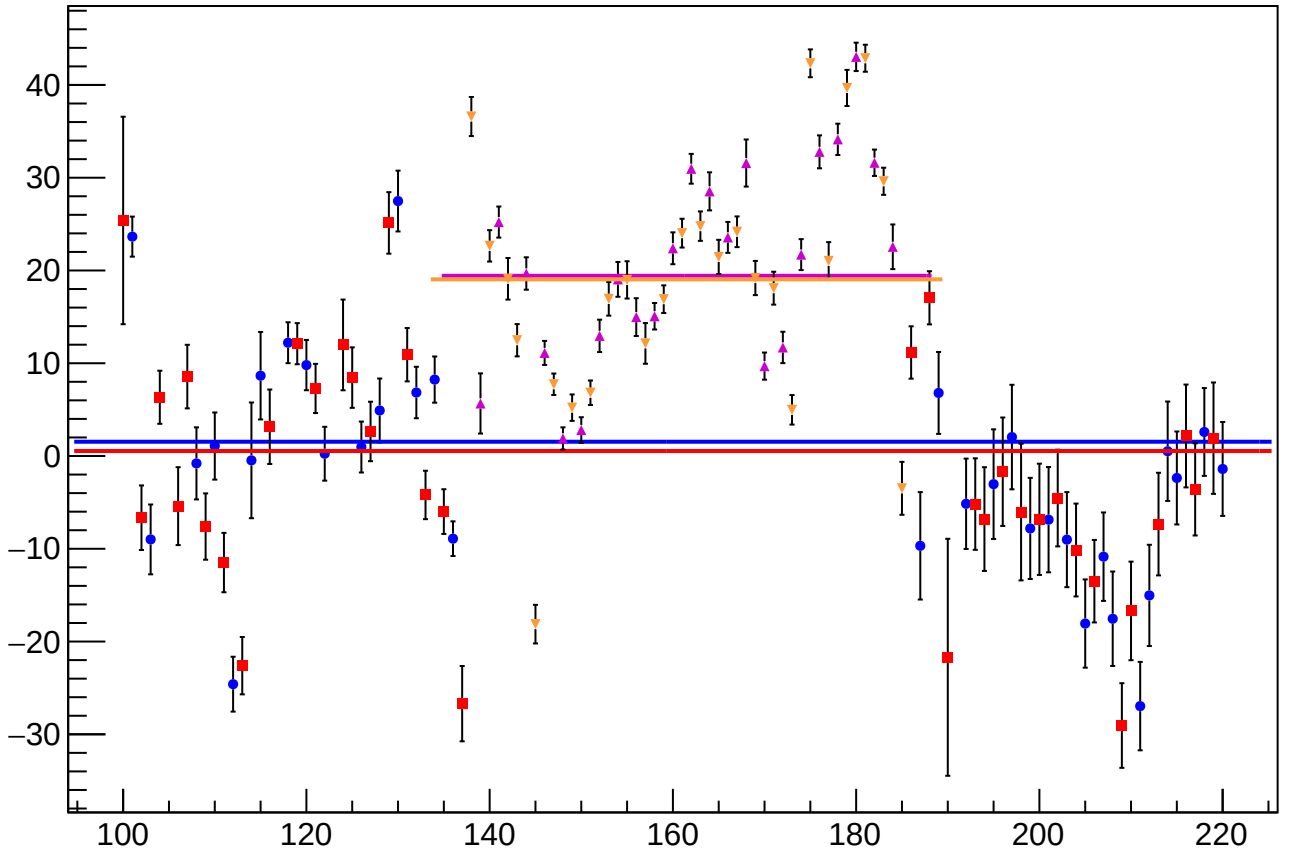
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 152.617+/-0.327 χ^2/NDF: 11647.6/68

In: 129.207+/-0.306 χ^2/NDF:11091.5/55

Out: 133.145+/-0.295 χ^2/NDF:16296.7/60

All: 131.253+/-0.212 χ^2/NDF: 27474.0/116



Right In: 1.540+/-0.619 χ^2/NDF: 433.2/32

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.541+/-0.618 χ^2/NDF: 392.7/35

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

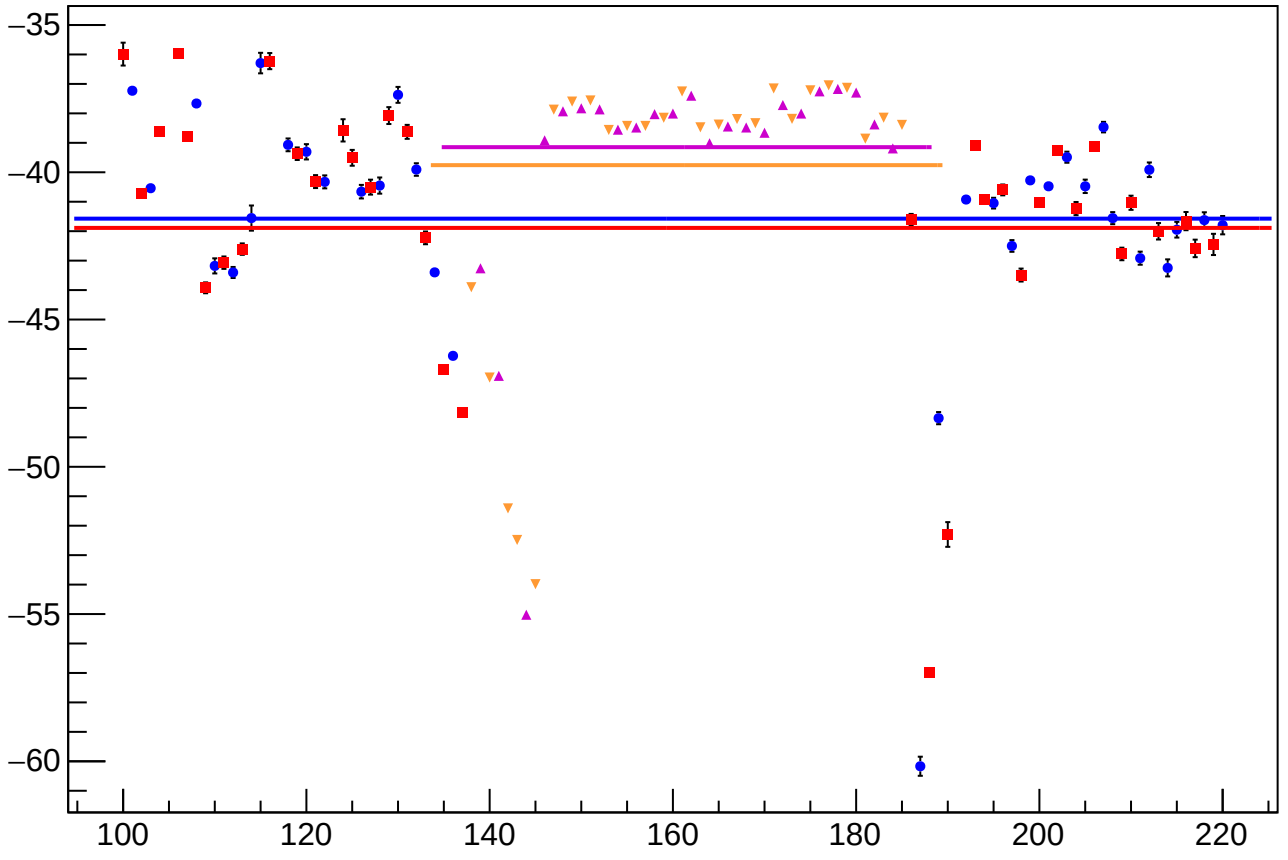
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 1.040+/-0.437 χ^2/NDF: 827.2/68

In: 15.172+/-0.302 χ^2/NDF:2147.0/55

Out: 14.826+/-0.295 χ^2/NDF:2629.6/60

All: 14.995+/-0.211 χ^2/NDF: 4777.3/116



Right In: -41.574+/-0.030 χ^2/NDF: 13008.0/32

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.889+/-0.031 χ^2/NDF: 19771.1/35

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

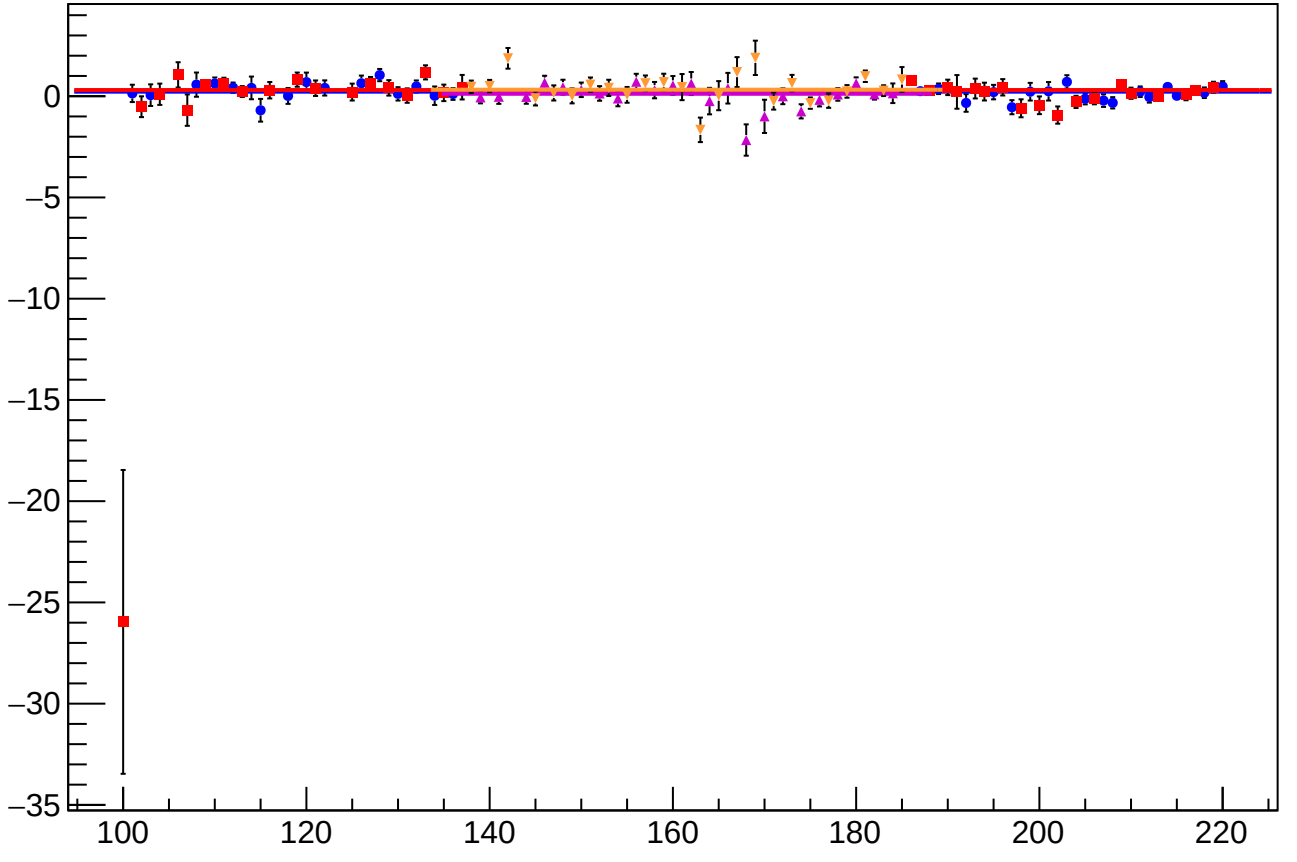
Right: -41.730+/-0.022 χ^2/NDF: 32832.1/68

In: -39.656+/-0.014 χ^2/NDF:64981.1/55

Out: -40.187+/-0.014 χ^2/NDF:105476.6/60

All: -39.923+/-0.010 χ^2/NDF: 171196.3/116

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.225+/-0.056 χ^2/NDF: 37.1/32

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.304+/-0.052 χ^2/NDF: 64.6/35

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

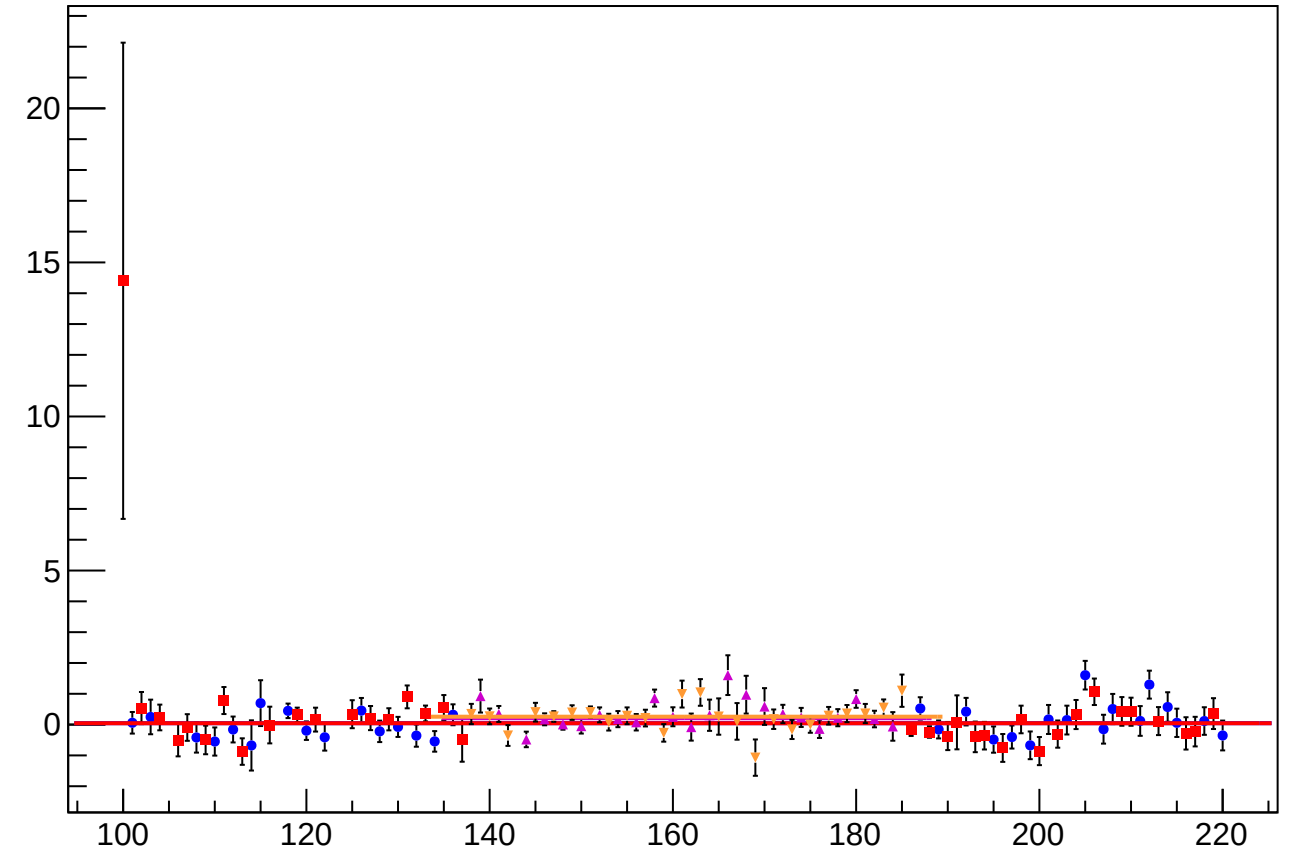
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

Right: 0.267+/-0.038 χ^2/NDF: 102.7/68

In: 0.191+/-0.046 χ^2/NDF:68.2/55

Out: 0.309+/-0.043 χ^2/NDF:111.5/59

All: 0.253+/-0.031 χ^2/NDF: 183.3/115



Right In: 0.046+/-0.070 χ^2/NDF: 46.3/32

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.044+/-0.065 χ^2/NDF: 47.6/35

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

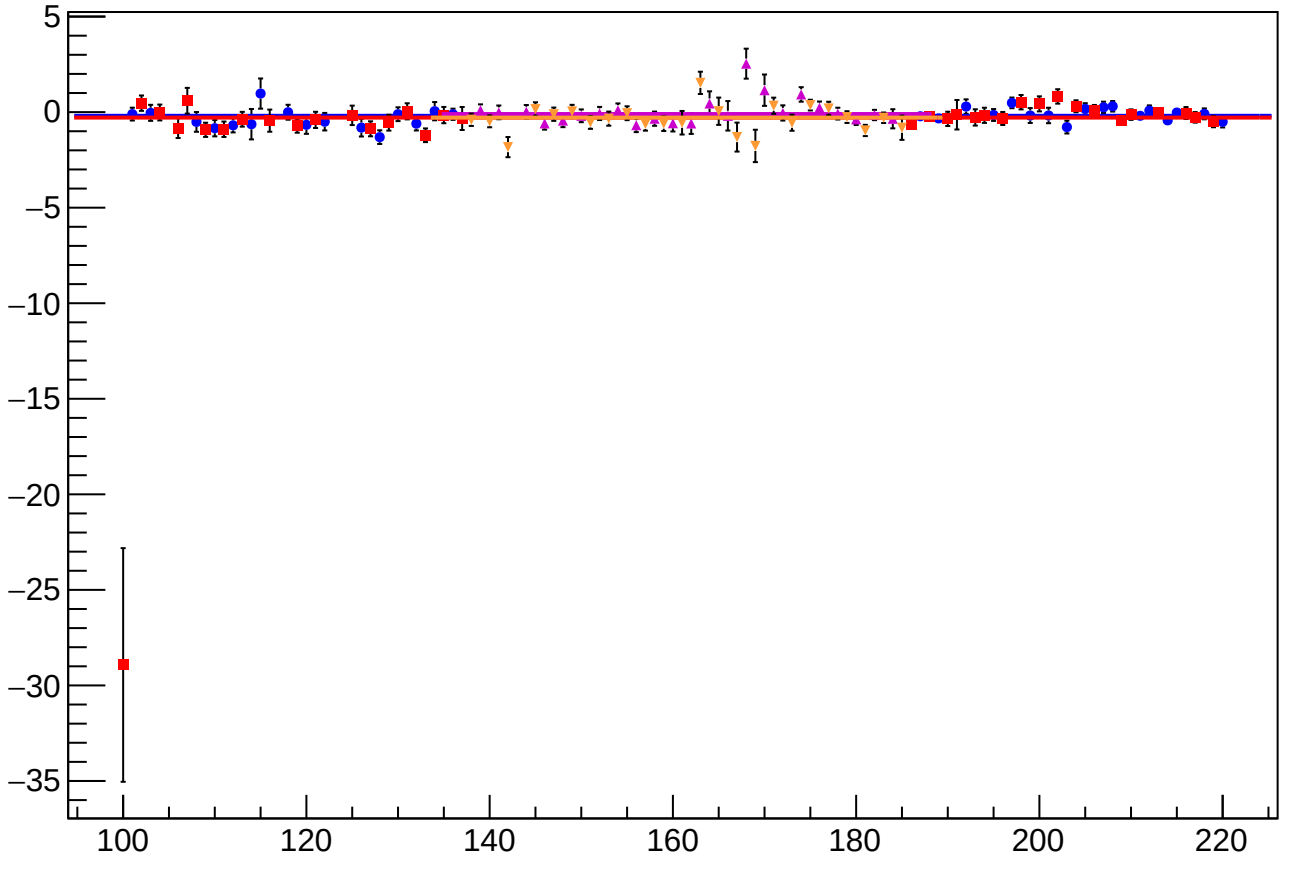
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.045+/-0.048 χ^2/NDF: 93.9/68

In: 0.138+/-0.046 χ^2/NDF:81.2/55

Out: 0.161+/-0.044 χ^2/NDF:79.9/59

All: 0.150+/-0.032 χ^2/NDF: 161.3/115



Right In: -0.193+/-0.056 χ^2/NDF: 43.6/32

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.286+/-0.051 χ^2/NDF: 77.9/35

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

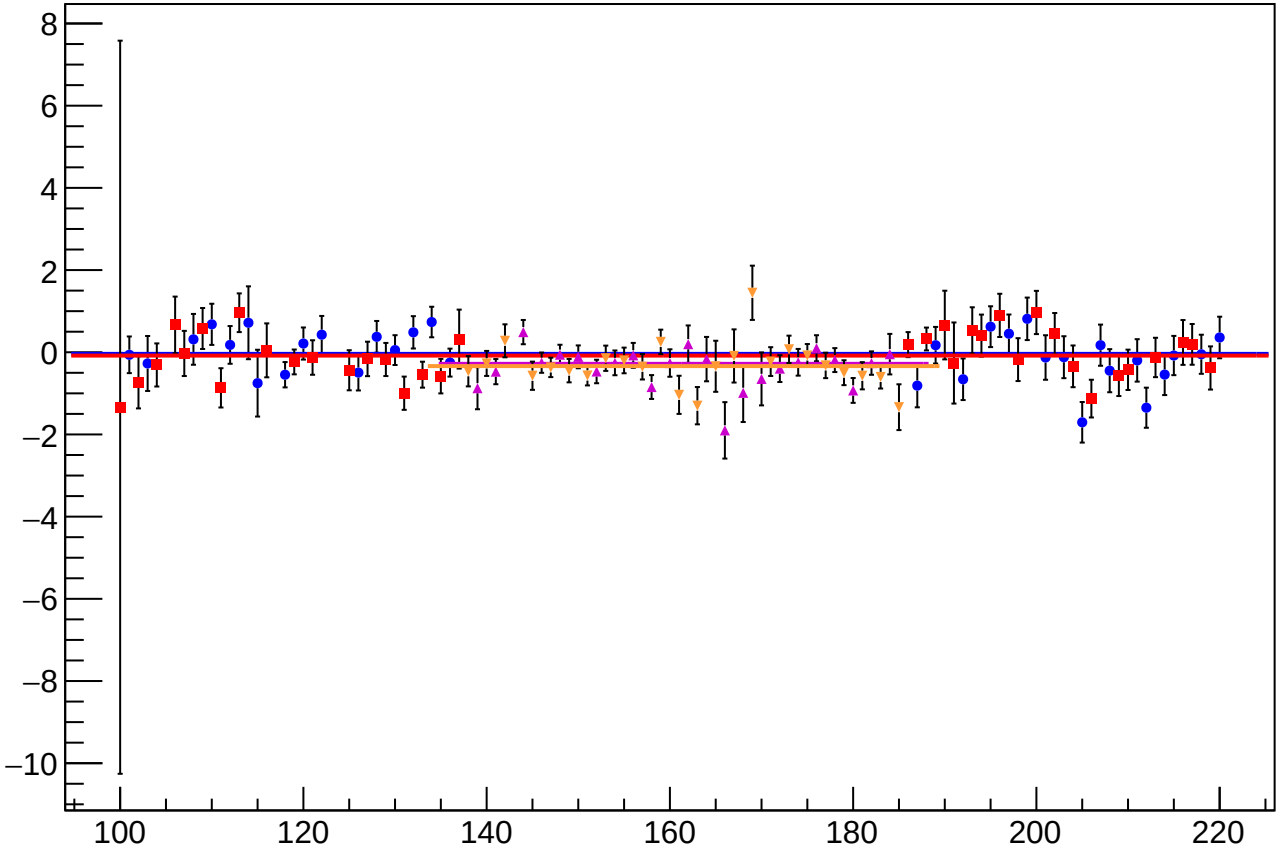
Right: -0.245+/-0.038 χ^2/NDF: 123.0/68

In: -0.161+/-0.046 χ^2/NDF:77.8/55

Out: -0.286+/-0.042 χ^2/NDF:122.9/59

All: -0.229+/-0.031 χ^2/NDF: 204.7/115

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.040+/-0.081 χ^2/NDF: 47.9/32

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.081+/-0.078 χ^2/NDF: 44.0/35

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

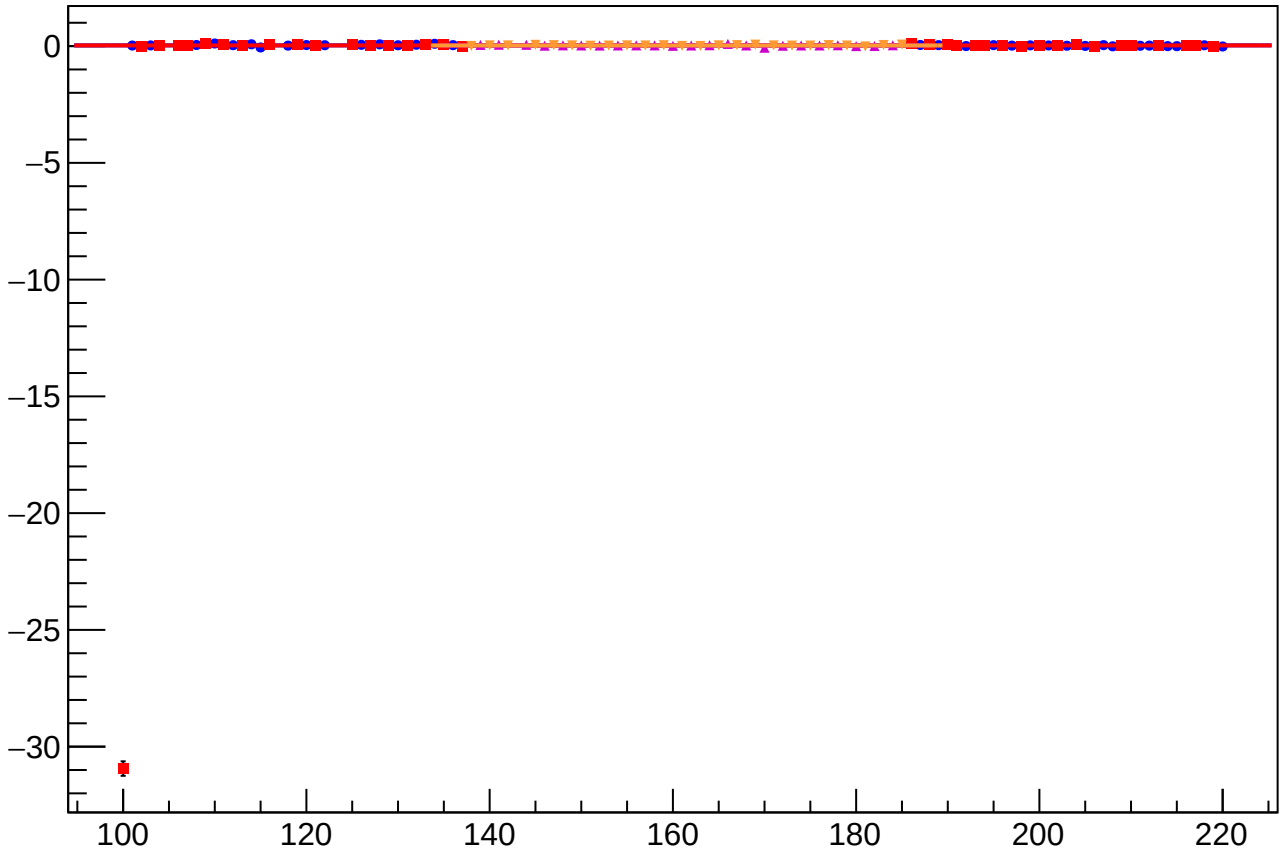
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.061+/-0.056 χ^2/NDF: 92.0/68

In: -0.180+/-0.052 χ^2/NDF:82.1/55

Out: -0.227+/-0.051 χ^2/NDF:80.2/59

All: -0.204+/-0.037 χ^2/NDF: 162.7/115



Right In: 0.032+/-0.004 χ^2/NDF: 43.0/32

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.030+/-0.004 χ^2/NDF: 10058.6/35

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

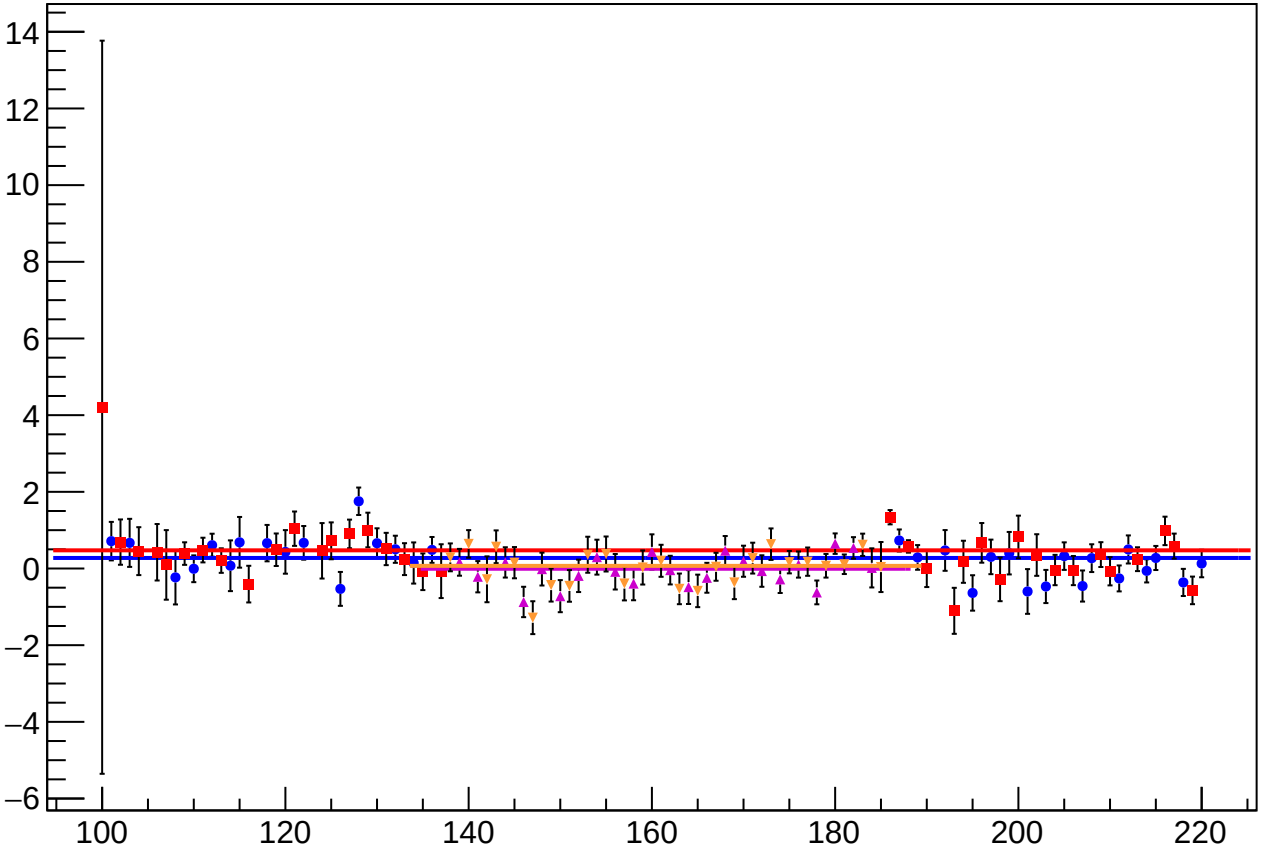
Right: 0.031+/-0.003 χ^2/NDF: 10101.7/68

In: 0.030+/-0.002 χ^2/NDF:82.1/55

Out: 0.029+/-0.002 χ^2/NDF:10086.2/59

All: 0.029+/-0.002 χ^2/NDF: 10168.6/115

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.275+/-0.070 χ^2/NDF: 50.4/32

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.474+/-0.064 χ^2/NDF: 60.7/35

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

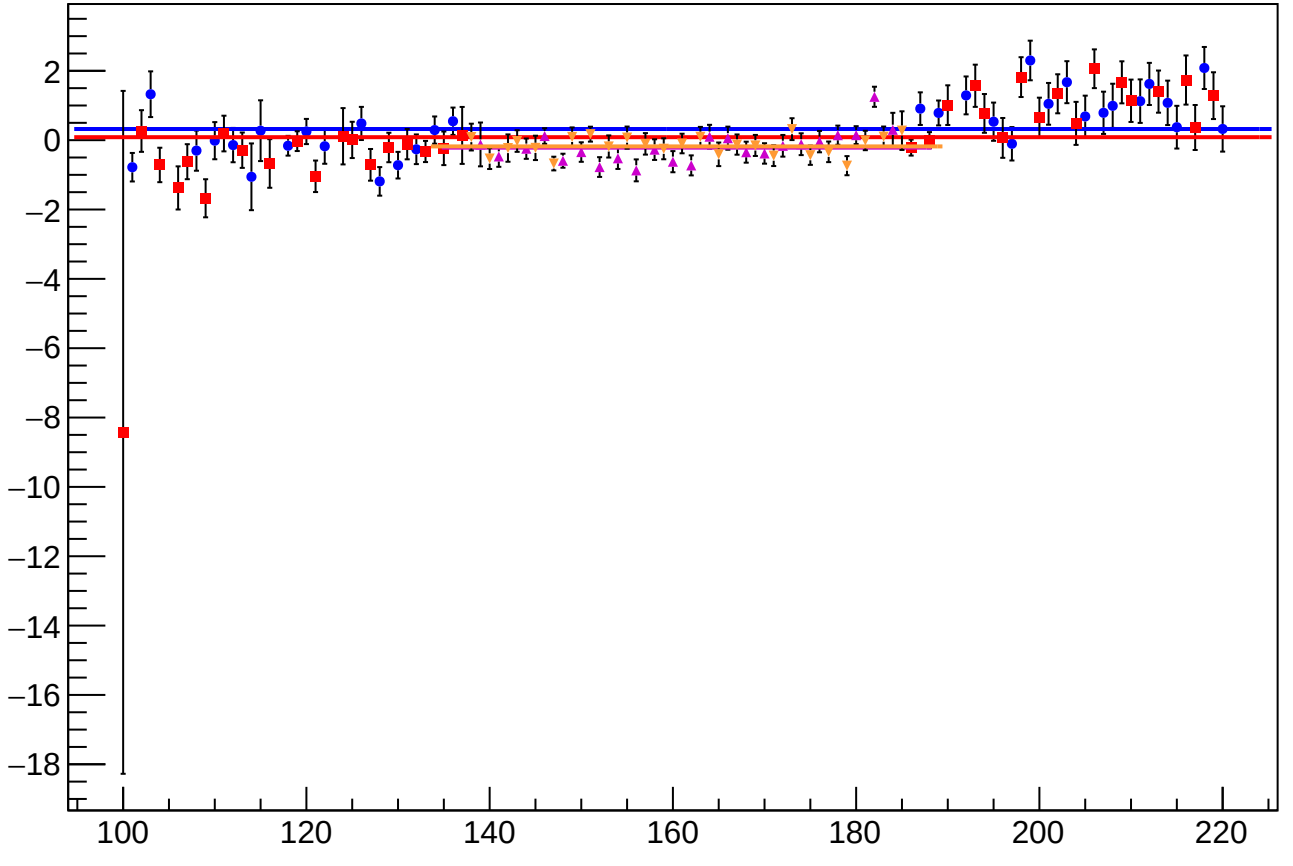
Right: 0.383+/-0.047 χ^2/NDF: 115.6/68

In: 0.153+/-0.052 χ^2/NDF:86.0/55

Out: 0.310+/-0.049 χ^2/NDF:108.2/60

All: 0.236+/-0.036 χ^2/NDF: 199.0/116

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.322+/-0.086 χ^2/NDF: 84.8/32

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.079 χ^2/NDF: 98.3/35

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

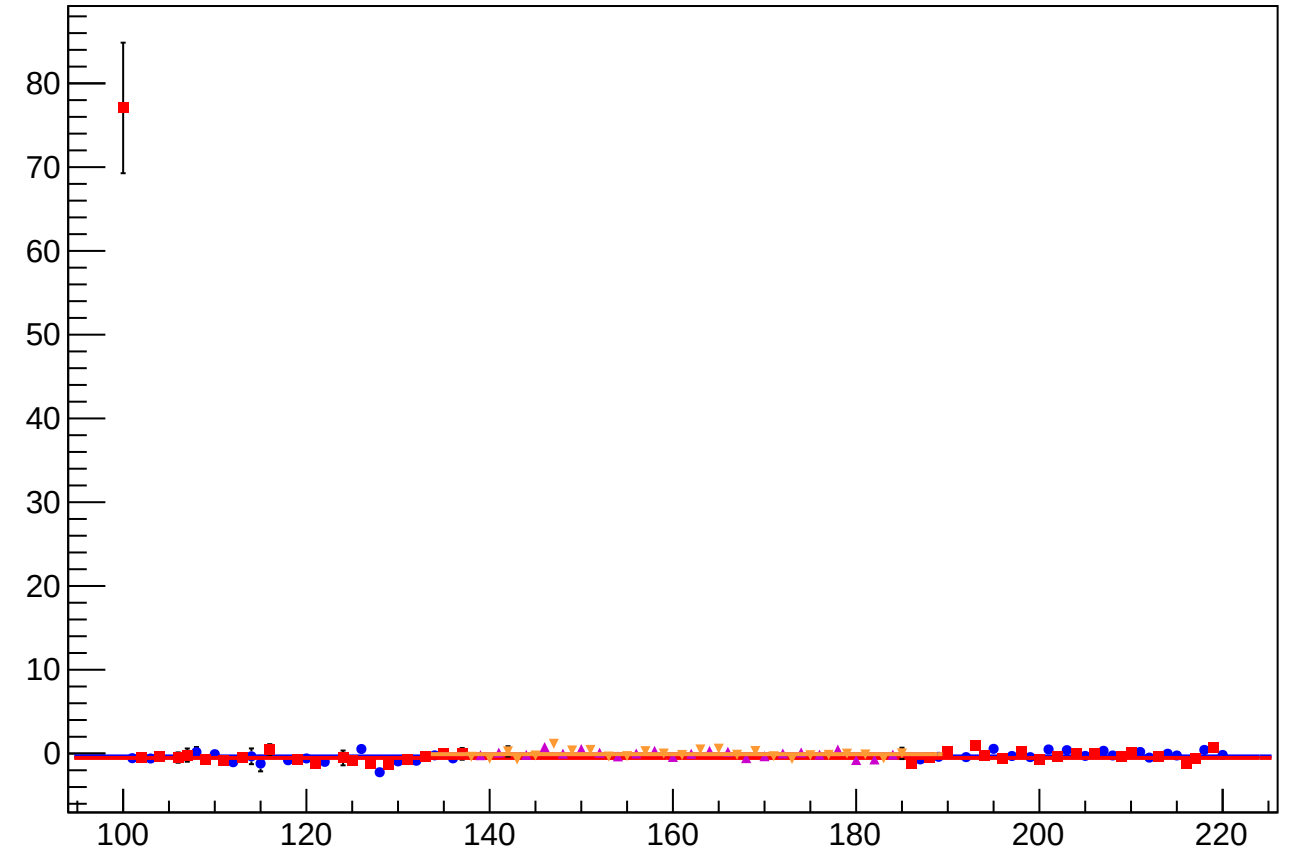
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.194+/-0.058 χ^2/NDF: 187.1/68

In: -0.033+/-0.050 χ^2/NDF:164.2/55

Out: -0.085+/-0.047 χ^2/NDF:130.3/60

All: -0.060+/-0.034 χ^2/NDF: 295.1/116



Right In: -0.348+/-0.071 χ^2/NDF: 57.8/32

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.526+/-0.062 χ^2/NDF: 161.3/35

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

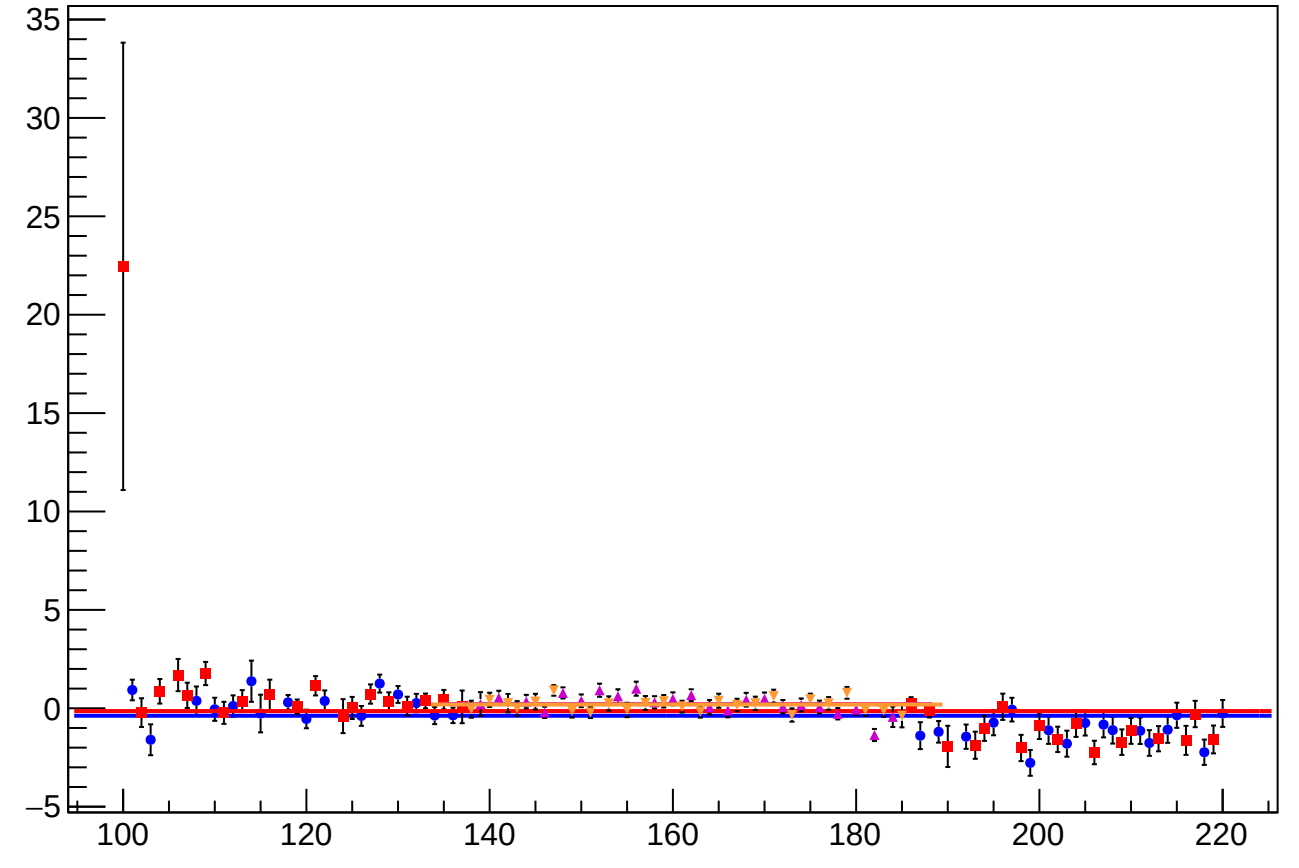
Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

Right: -0.449+/-0.047 χ^2/NDF: 222.6/68

In: -0.225+/-0.053 χ^2/NDF:92.7/55

Out: -0.348+/-0.048 χ^2/NDF:211.9/60

All: -0.292+/-0.036 χ^2/NDF: 307.6/116



Right In: -0.379+/-0.099 χ^2/NDF: 84.4/32

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.141+/-0.095 χ^2/NDF: 102.0/35

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

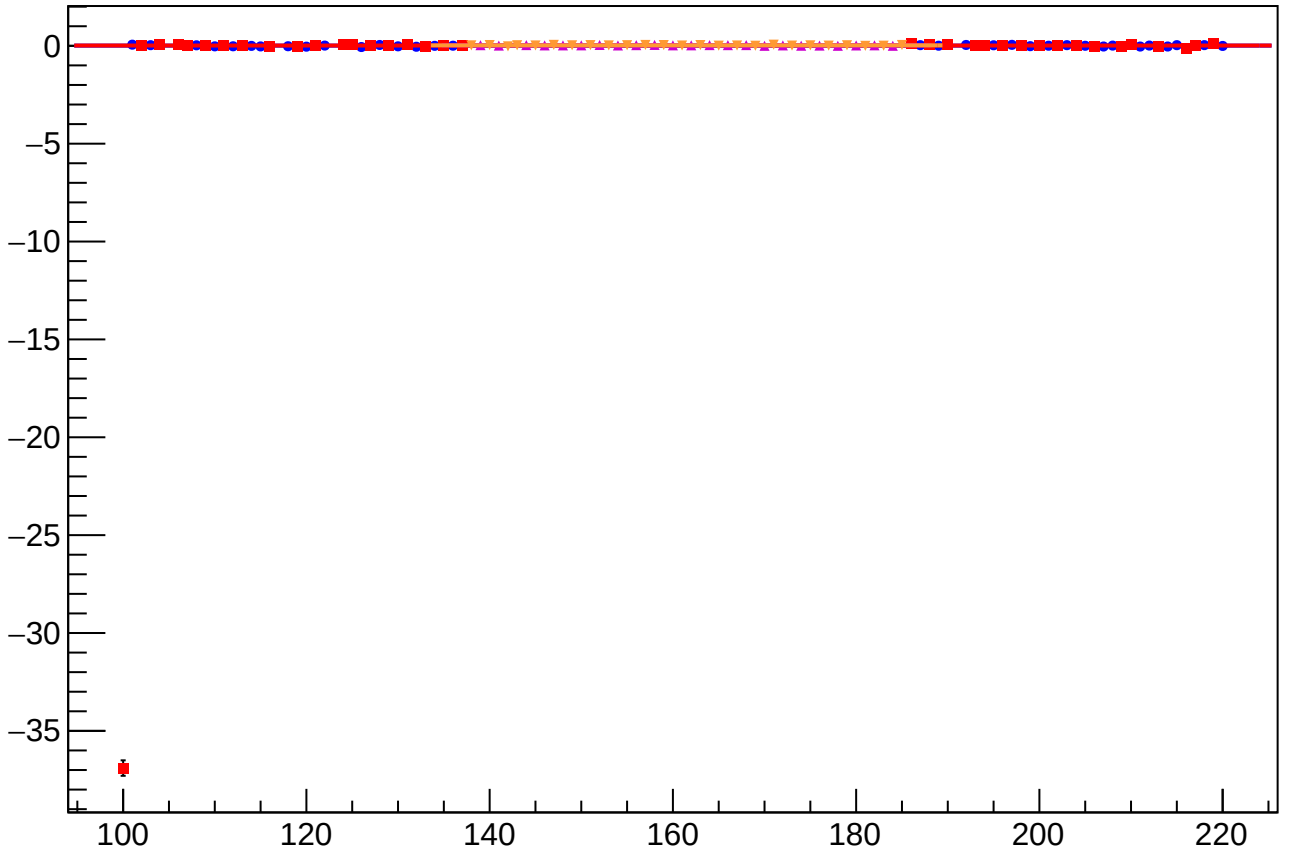
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.255+/-0.069 χ^2/NDF: 189.4/68

In: 0.020+/-0.057 χ^2/NDF:163.6/55

Out: 0.082+/-0.055 χ^2/NDF:136.1/60

All: 0.053+/-0.039 χ^2/NDF: 300.4/116



Right In: 0.010+/-0.005 χ^2/NDF: 37.5/32

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8799.8/35

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

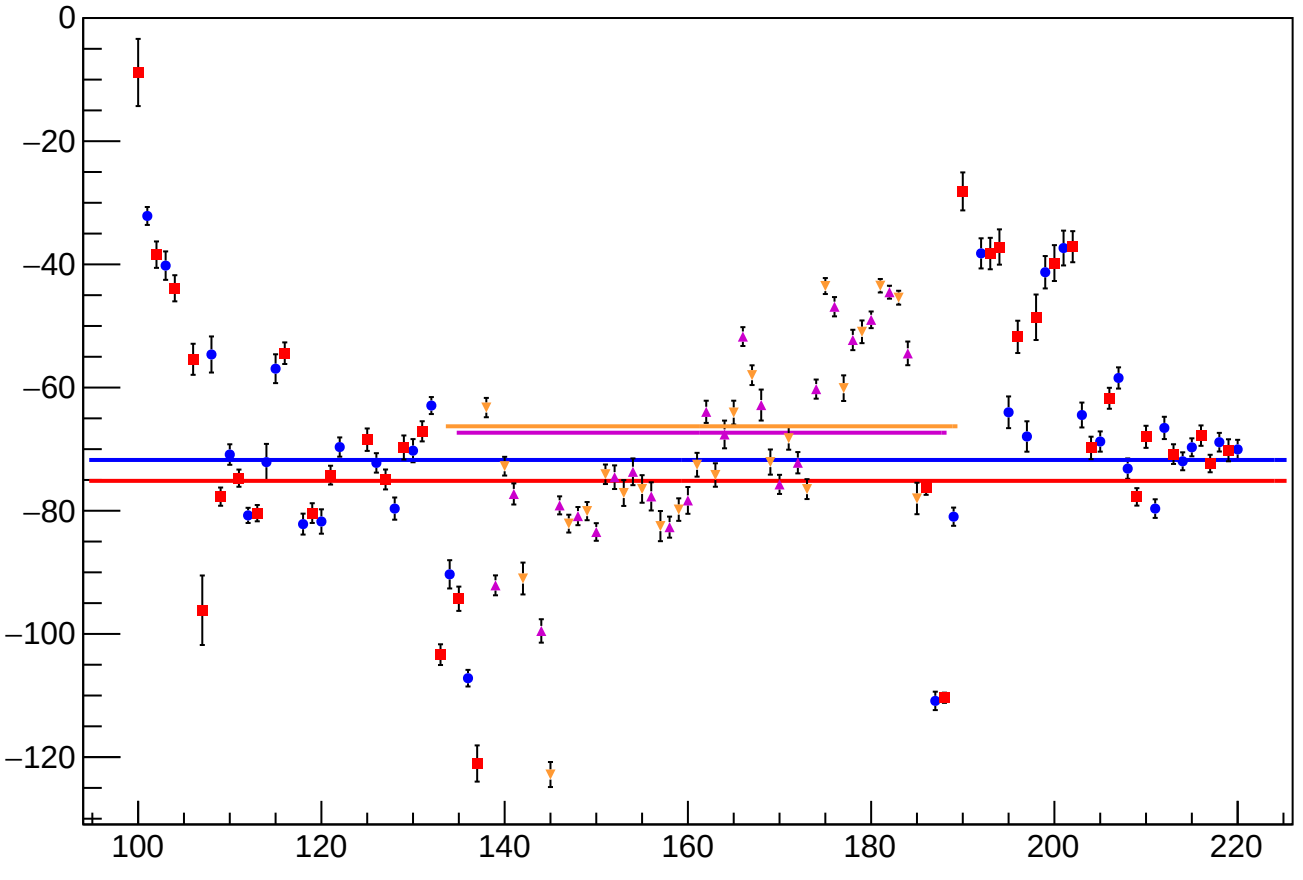
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8837.8/68

In: 0.020+/-0.003 χ^2/NDF:62.0/55

Out: 0.021+/-0.003 χ^2/NDF:8832.9/60

All: 0.021+/-0.002 χ^2/NDF: 8895.1/116



Right In: -71.755+/-0.303 χ^2/NDF: 3261.4/32

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.148+/-0.294 χ^2/NDF: 4629.6/34

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

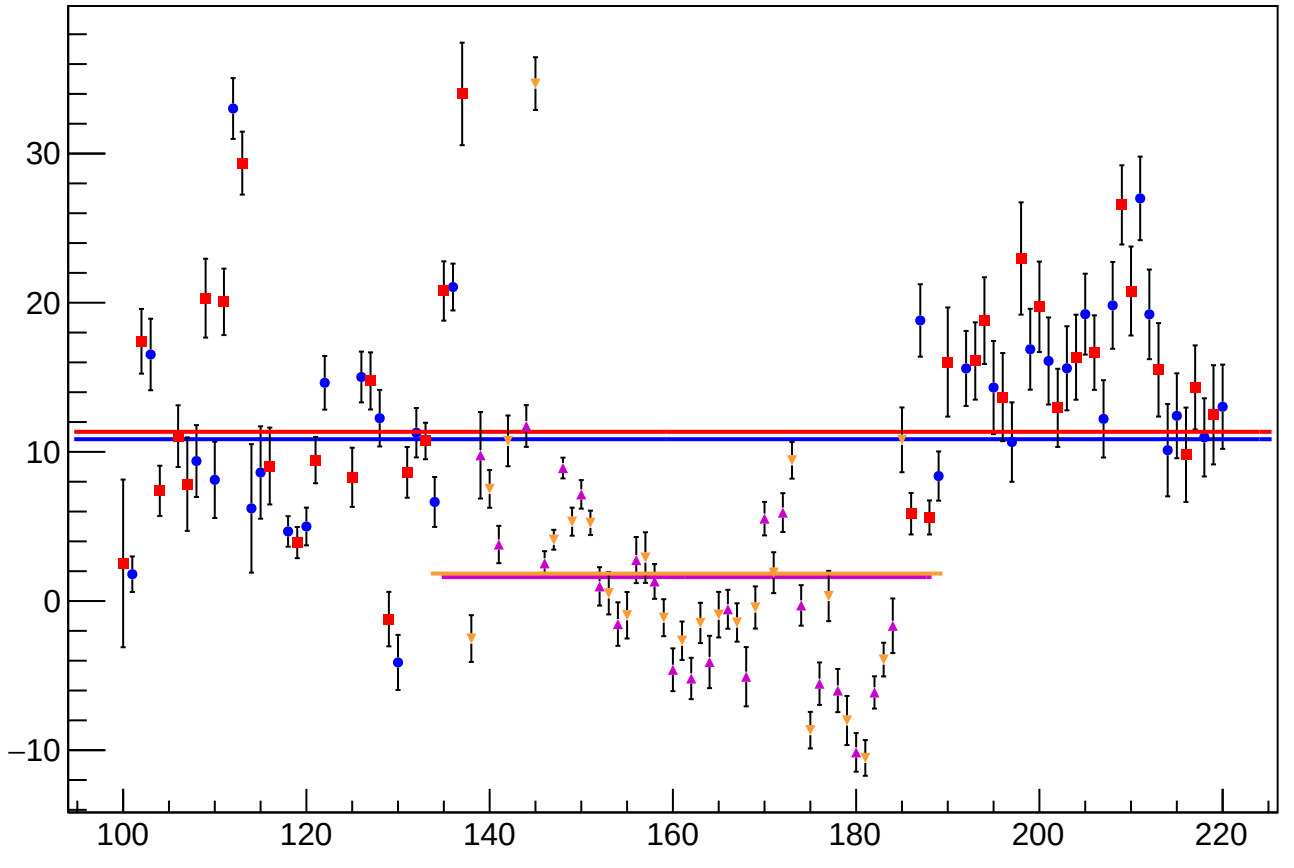
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.502+/-0.211 χ^2/NDF: 7955.4/67

In: -69.827+/-0.228 χ^2/NDF:5456.7/55

Out: -71.401+/-0.224 χ^2/NDF:7563.1/58

All: -70.629+/-0.160 χ^2/NDF: 13044.1/114



Right In: 10.850+/-0.354 χ^2/NDF: 457.9/32

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.345+/-0.349 χ^2/NDF: 415.7/34

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

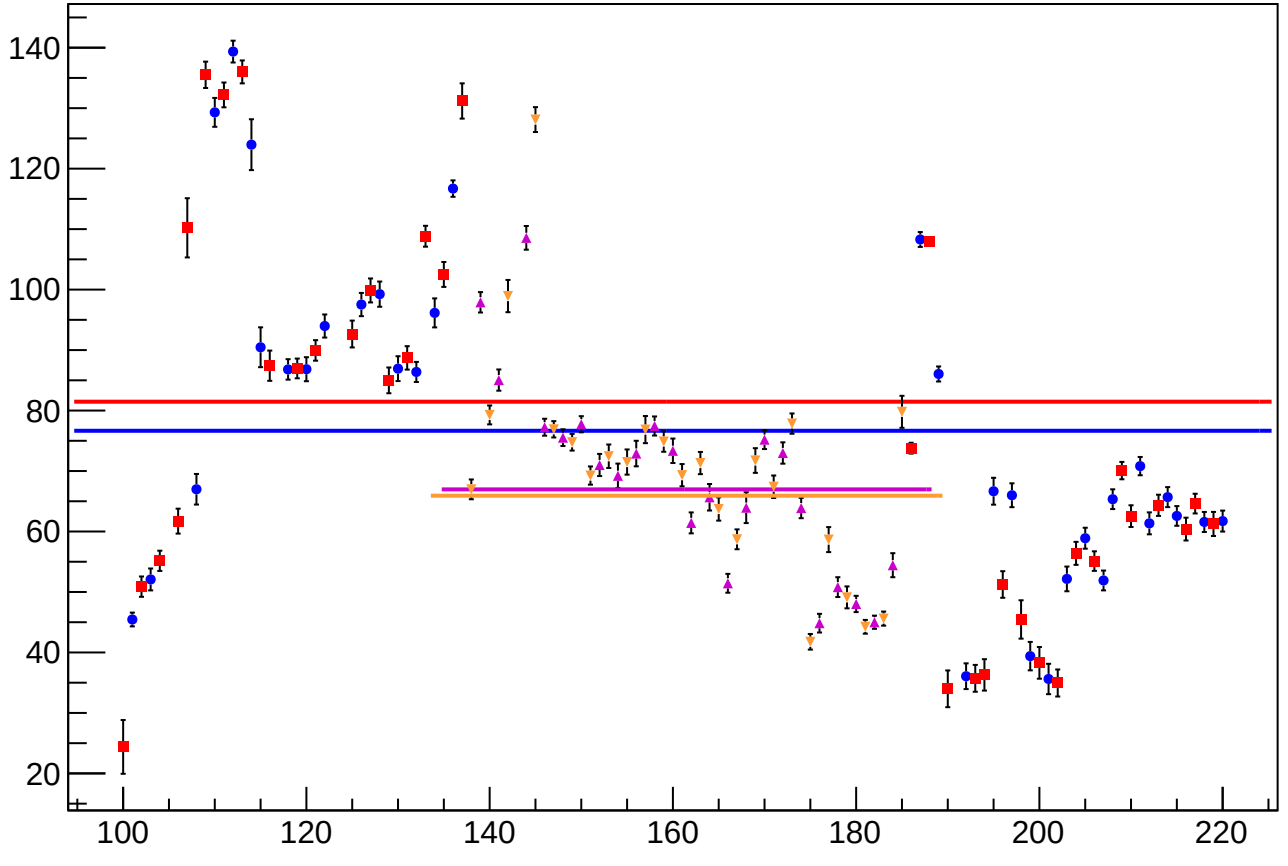
Right: 11.100+/-0.249 χ^2/NDF: 874.6/67

In: 4.822+/-0.209 χ^2/NDF:1399.9/55

Out: 5.134+/-0.206 χ^2/NDF:1680.4/58

All: 4.980+/-0.146 χ^2/NDF: 3081.4/114

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.657+/-0.310 χ^2/NDF: 6697.8/32

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 81.466+/-0.294 χ^2/NDF: 8436.0/34

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

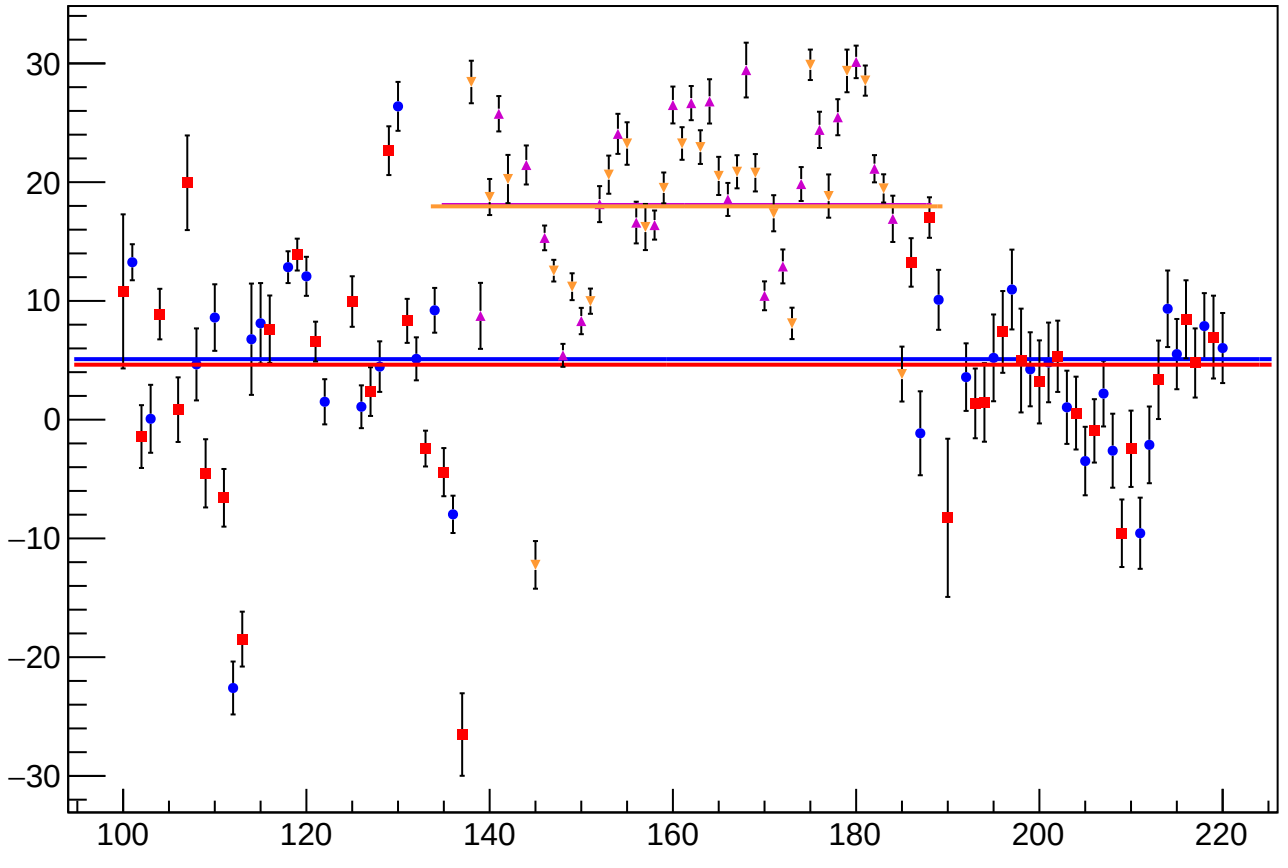
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 79.194+/-0.213 χ^2/NDF: 15260.4/67

In: 72.268+/-0.230 χ^2/NDF:9360.7/55

Out: 74.835+/-0.222 χ^2/NDF:12186.3/58

All: 73.593+/-0.160 χ^2/NDF: 21611.4/114



Right In: 5.097+/-0.411 χ^2/NDF: 489.8/32

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.630+/-0.414 χ^2/NDF: 534.3/34

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

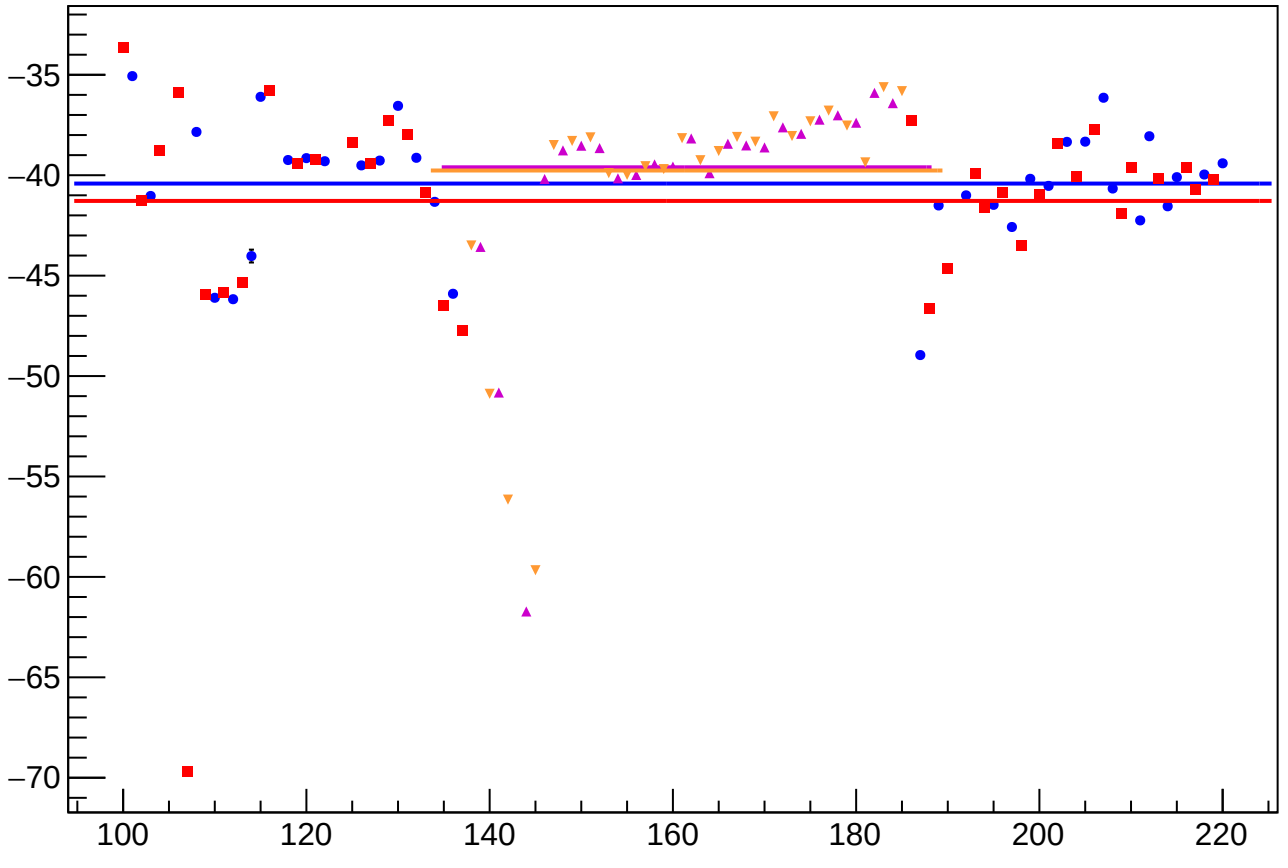
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.865+/-0.292 χ^2/NDF: 1024.8/67

In: 13.667+/-0.240 χ^2/NDF:1753.8/55

Out: 13.530+/-0.239 χ^2/NDF:1959.9/58

All: 13.598+/-0.169 χ^2/NDF: 3713.9/114



Right In: -40.416+/-0.020 χ^2/NDF: 23376.4/32

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.280+/-0.021 χ^2/NDF: 44950.1/34

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

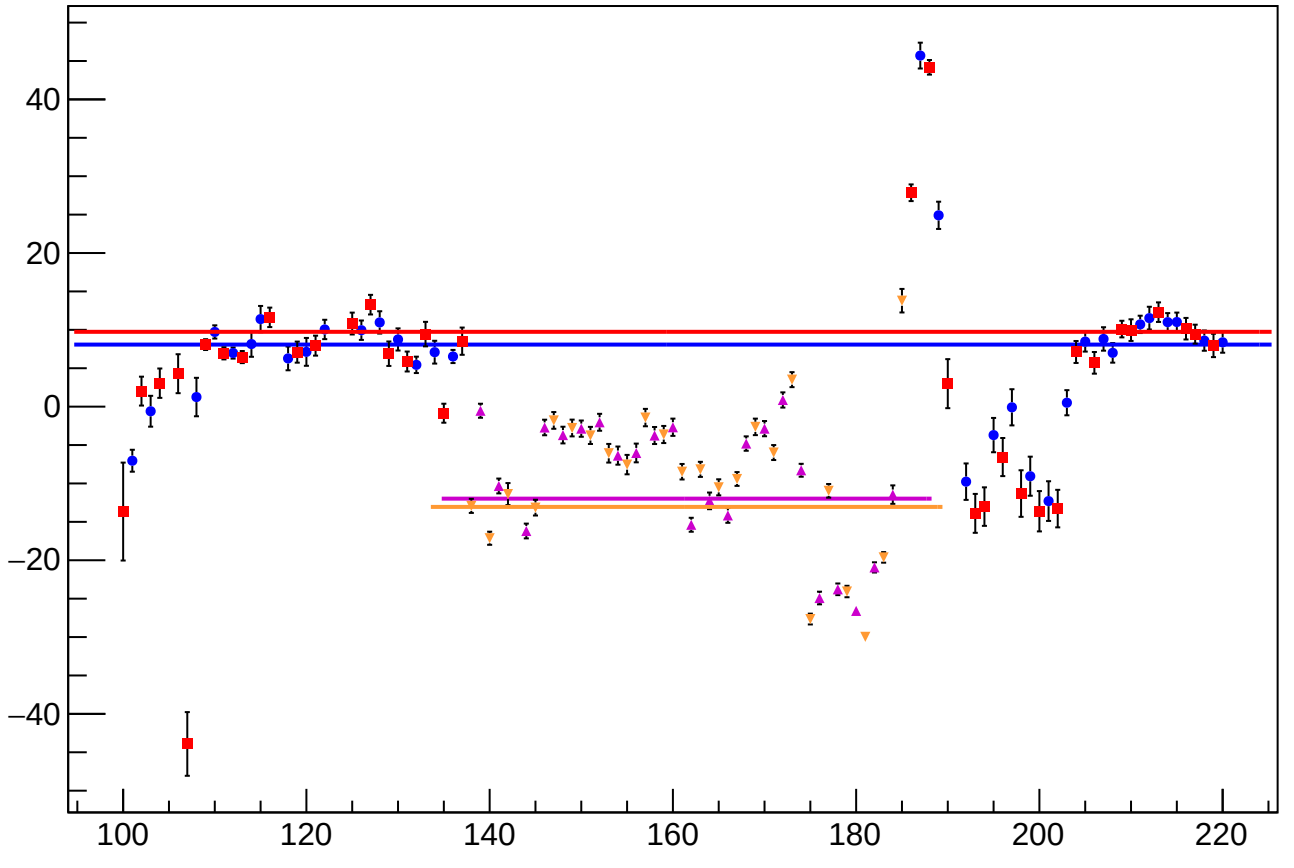
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.844+/-0.015 χ^2/NDF: 69212.7/67

In: -39.849+/-0.011 χ^2/NDF:131114.3/55

Out: -40.218+/-0.011 χ^2/NDF:178626.3/58

All: -40.032+/-0.008 χ^2/NDF: 310280.2/114



Right In: 8.079+/-0.237 χ^2/NDF: 1008.3/32

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.742+/-0.231 χ^2/NDF: 2392.9/34

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

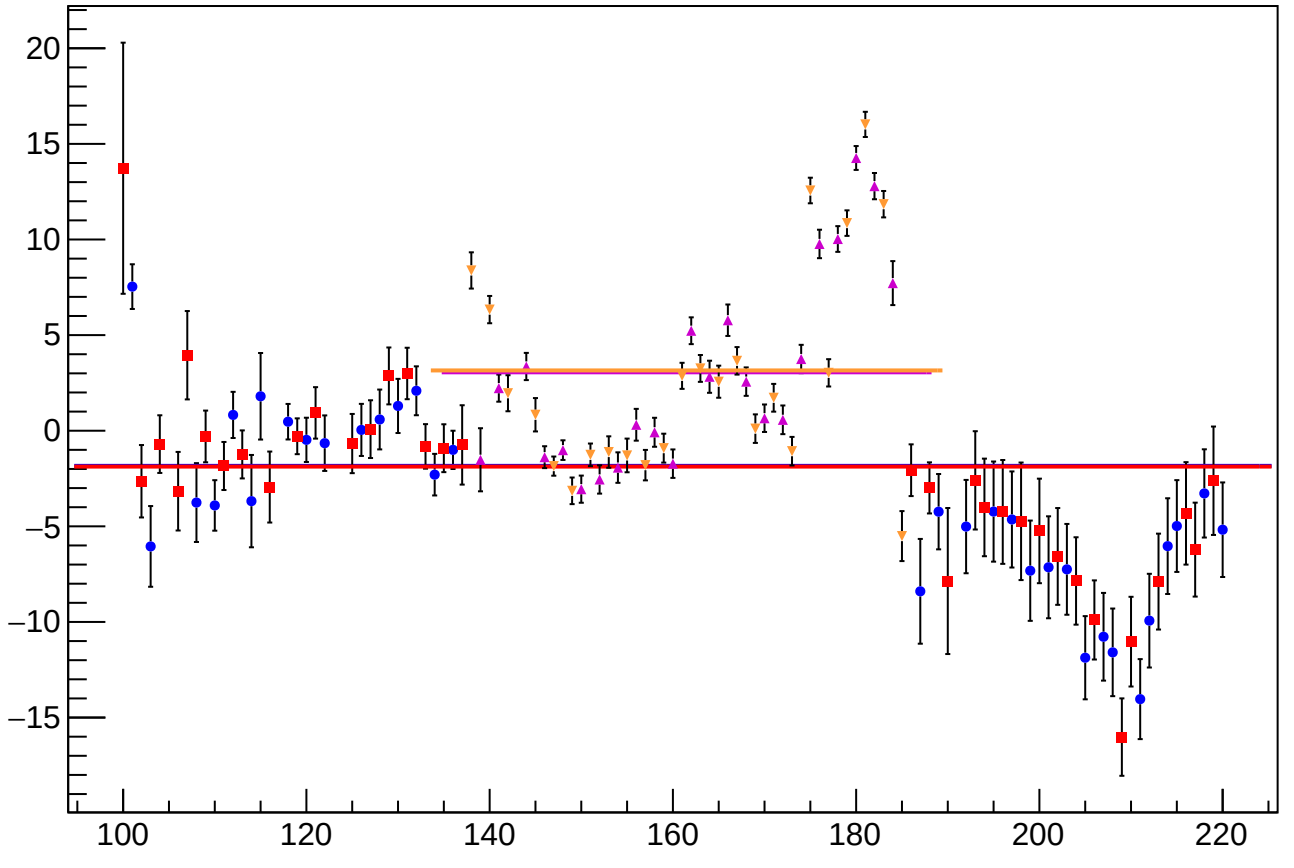
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.934+/-0.166 χ^2/NDF: 3426.4/67

In: -3.874+/-0.151 χ^2/NDF:7438.4/55

Out: -3.689+/-0.148 χ^2/NDF:11005.7/58

All: -3.780+/-0.106 χ^2/NDF: 18444.8/114



Right In: -1.838+/-0.287 χ^2/NDF: 238.1/32

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.875+/-0.290 χ^2/NDF: 155.9/34

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

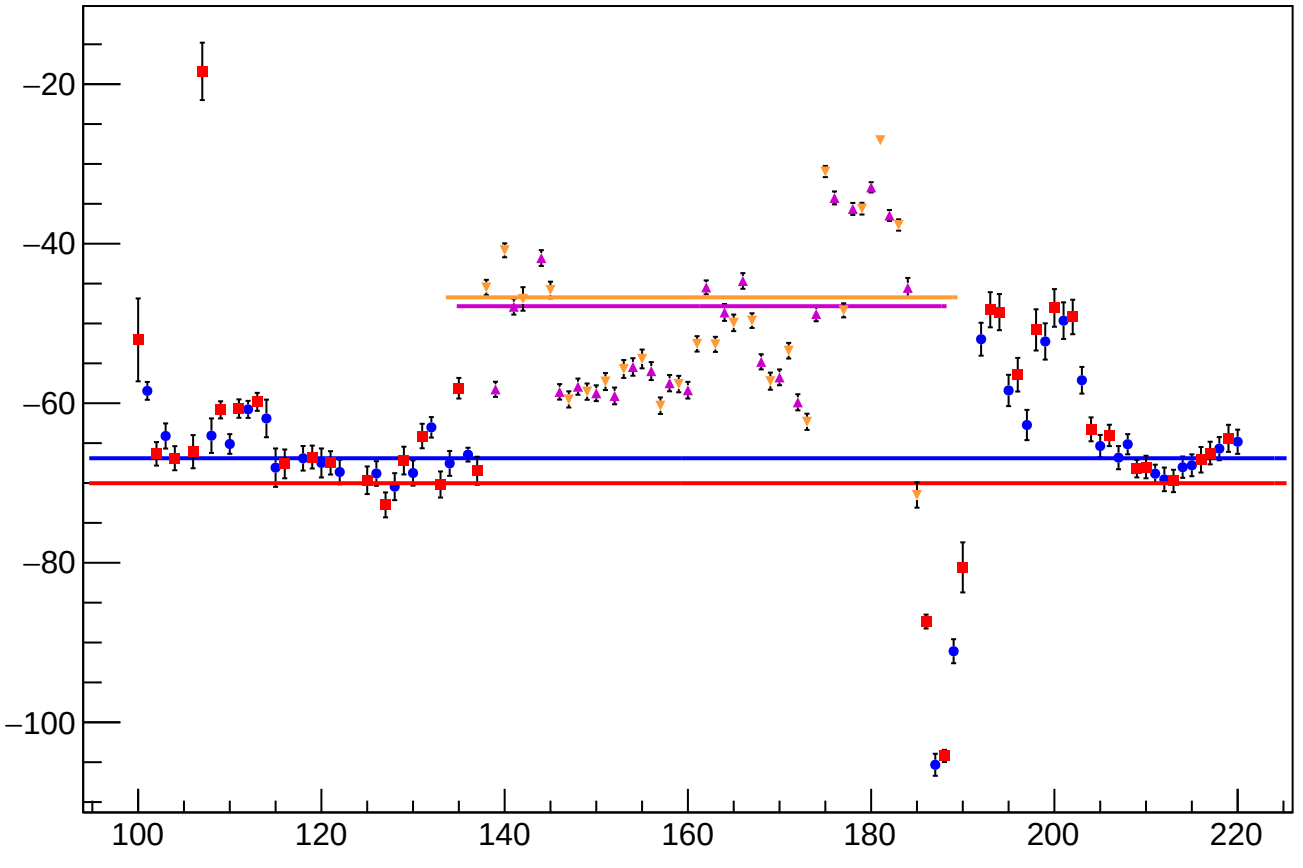
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.856+/-0.204 χ^2/NDF: 394.0/67

In: 1.986+/-0.134 χ^2/NDF:1609.5/55

Out: 2.102+/-0.133 χ^2/NDF:1778.6/58

All: 2.045+/-0.094 χ^2/NDF: 3388.5/114



Right In: -66.896+/-0.256 χ^2/NDF: 1372.4/32

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.025+/-0.249 χ^2/NDF: 3498.2/34

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

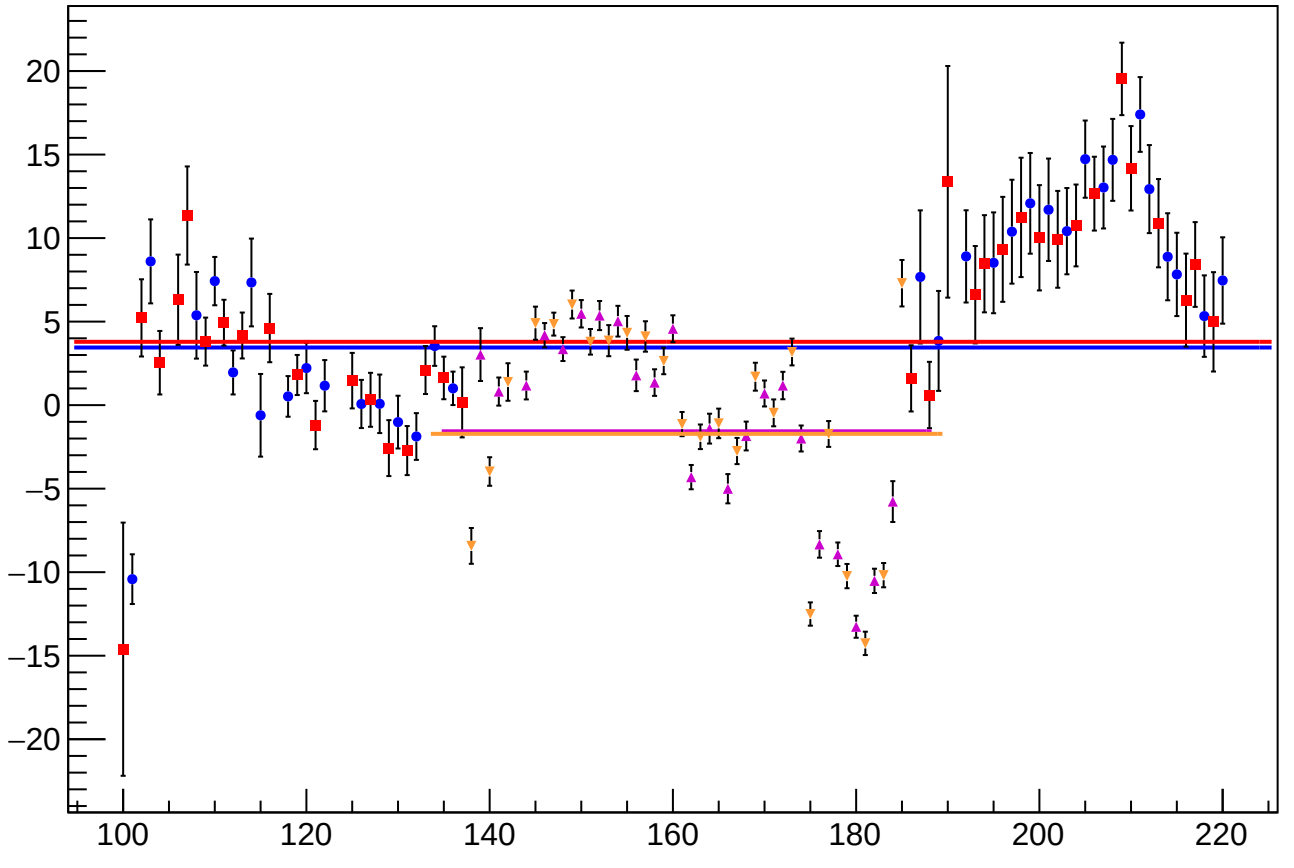
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.499+/-0.179 χ^2/NDF: 4947.3/67

In: -54.797+/-0.154 χ^2/NDF:7461.2/55

Out: -55.367+/-0.152 χ^2/NDF:12433.2/58

All: -55.086+/-0.108 χ^2/NDF: 19901.3/114



Right In: 3.449+/-0.325 χ^2/NDF: 309.4/32

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.791+/-0.333 χ^2/NDF: 208.0/34

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

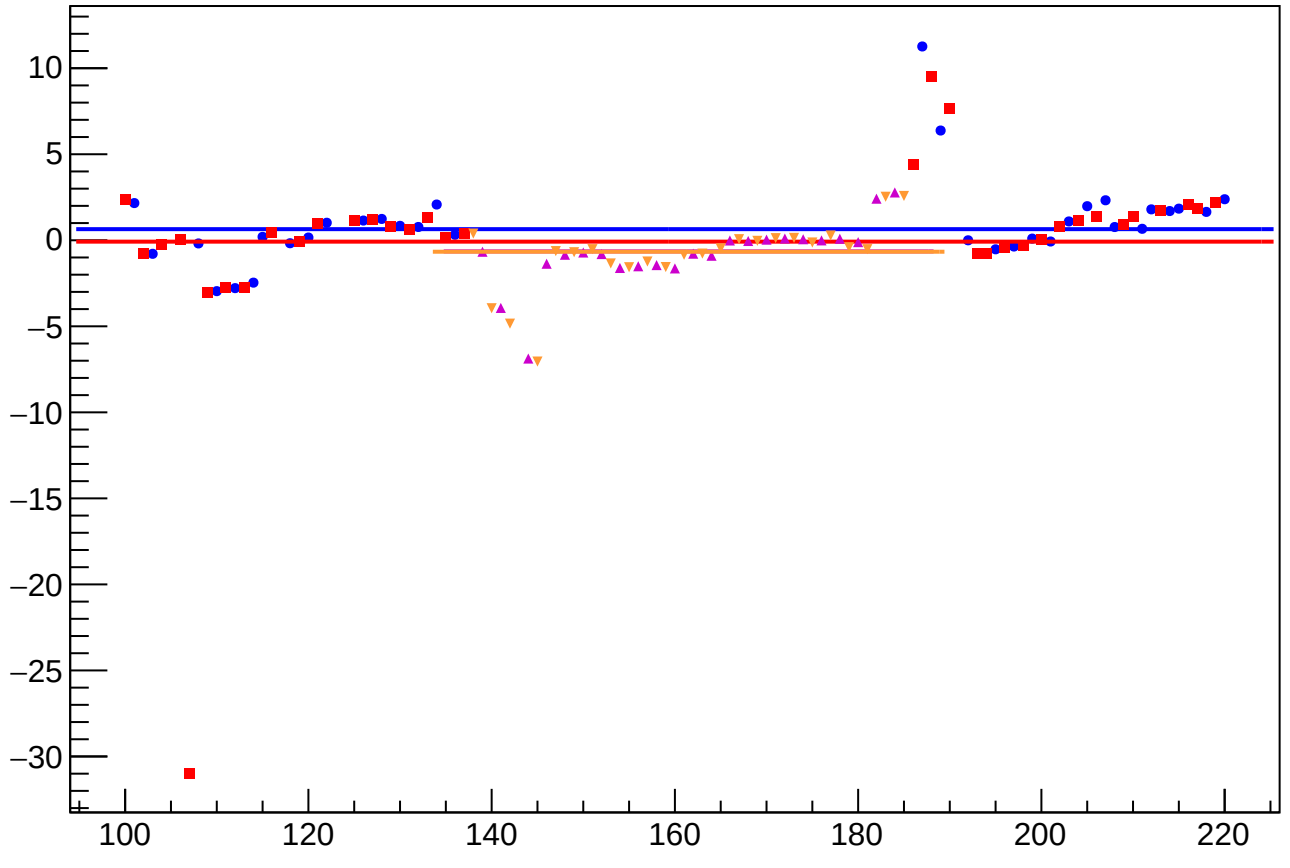
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.616+/-0.233 χ^2/NDF: 517.9/67

In: -0.483+/-0.151 χ^2/NDF:1613.8/55

Out: -0.601+/-0.150 χ^2/NDF:1832.6/58

All: -0.543+/-0.106 χ^2/NDF: 3446.6/114



Right In: 0.647+/-0.016 χ^2/NDF: 10718.5/32

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.080+/-0.017 χ^2/NDF: 61787.0/34

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

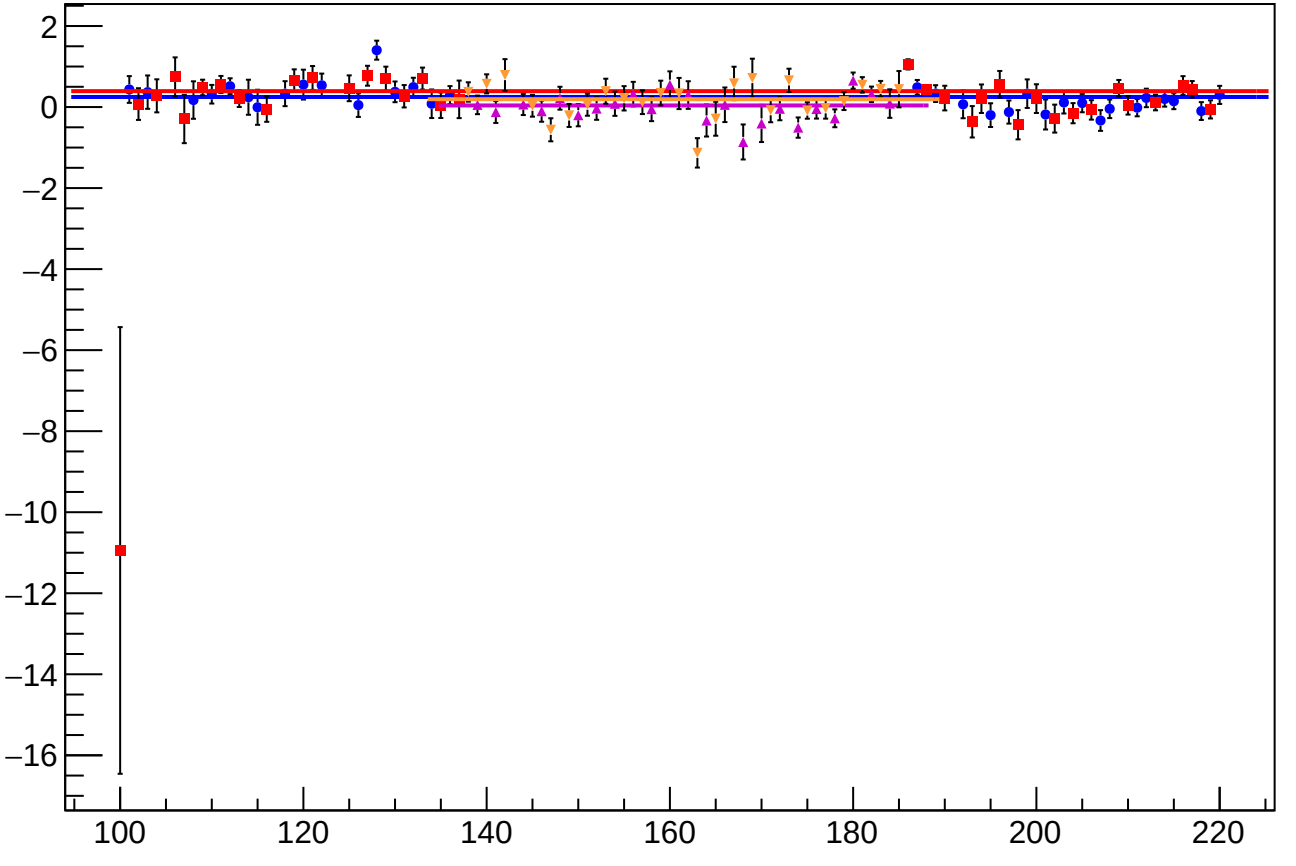
Right: 0.295+/-0.012 χ^2/NDF: 73452.5/67

In: -0.421+/-0.007 χ^2/NDF:61400.9/55

Out: -0.569+/-0.007 χ^2/NDF:118063.9/58

All: -0.495+/-0.005 χ^2/NDF: 179699.4/114

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.248+/-0.045 χ^2/NDF: 50.3/32

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.392+/-0.041 χ^2/NDF: 78.0/34

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

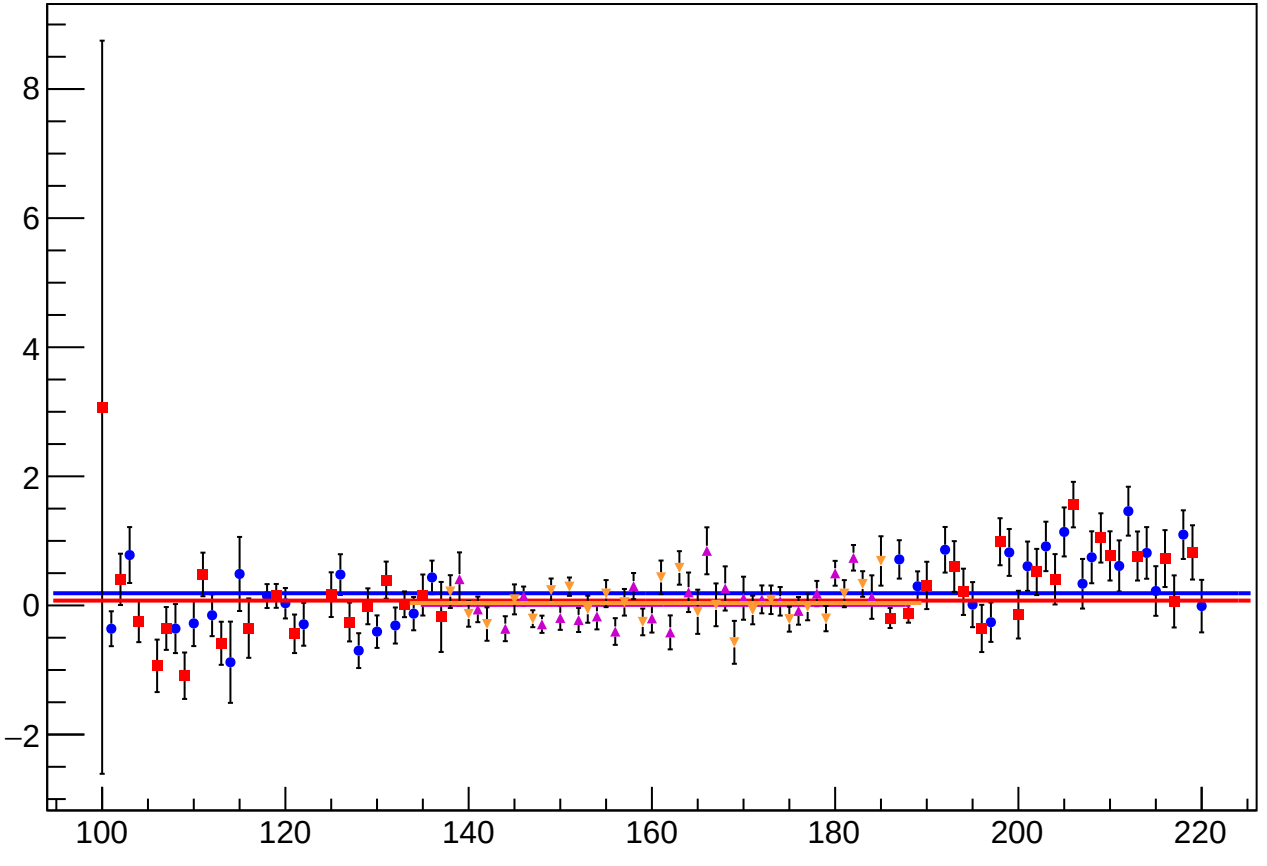
Right: 0.326+/-0.030 χ^2/NDF: 134.0/67

In: 0.170+/-0.035 χ^2/NDF:89.1/55

Out: 0.324+/-0.033 χ^2/NDF:130.2/58

All: 0.251+/-0.024 χ^2/NDF: 229.3/114

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.189+/-0.055 χ^2/NDF: 86.0/32

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.075+/-0.052 χ^2/NDF: 86.2/34

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

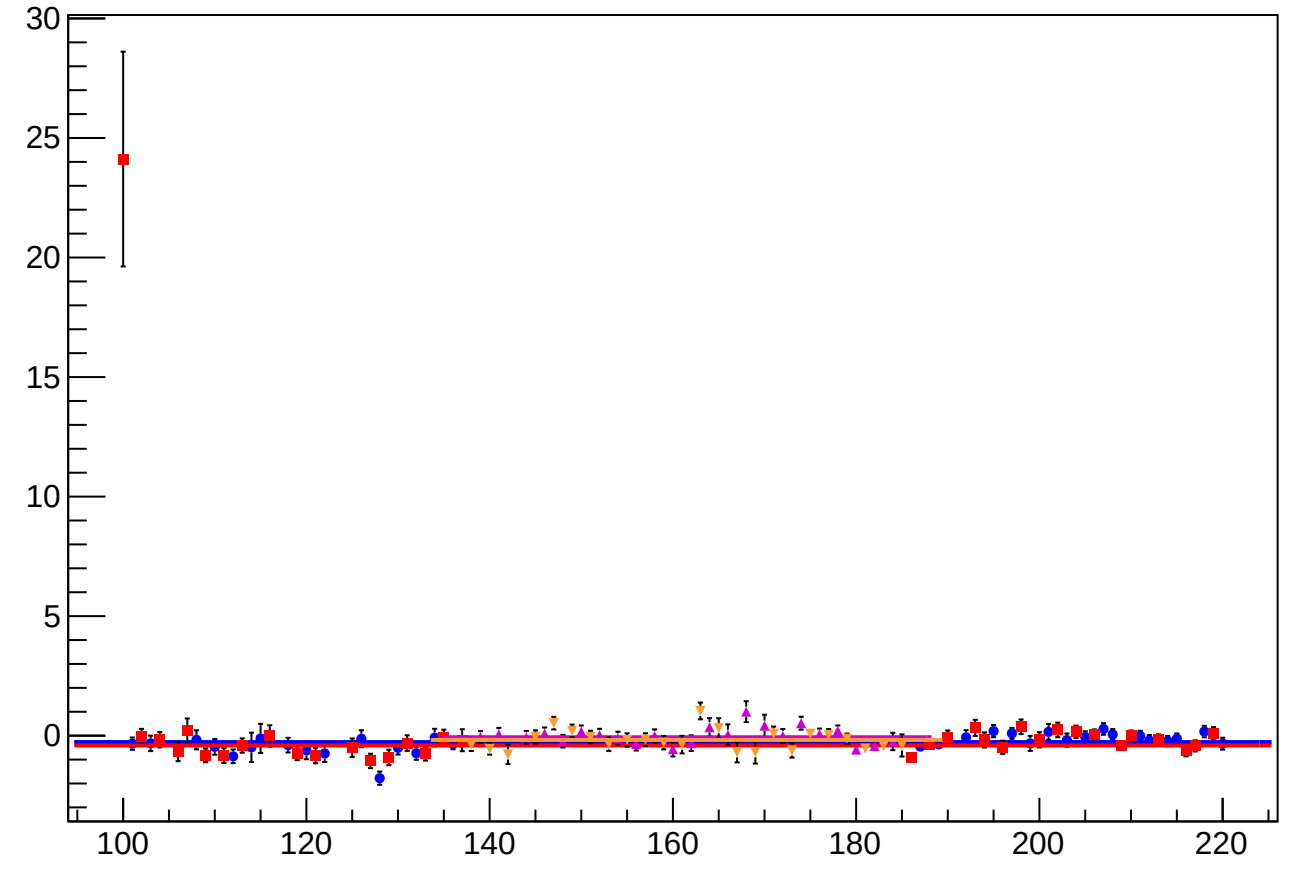
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.128+/-0.038 χ^2/NDF: 174.4/67

In: 0.079+/-0.035 χ^2/NDF:143.8/55

Out: 0.053+/-0.033 χ^2/NDF:119.2/58

All: 0.065+/-0.024 χ^2/NDF: 263.4/114



Right In: -0.268+/-0.045 χ^2/NDF: 64.9/32

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.409+/-0.040 χ^2/NDF: 110.6/34

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

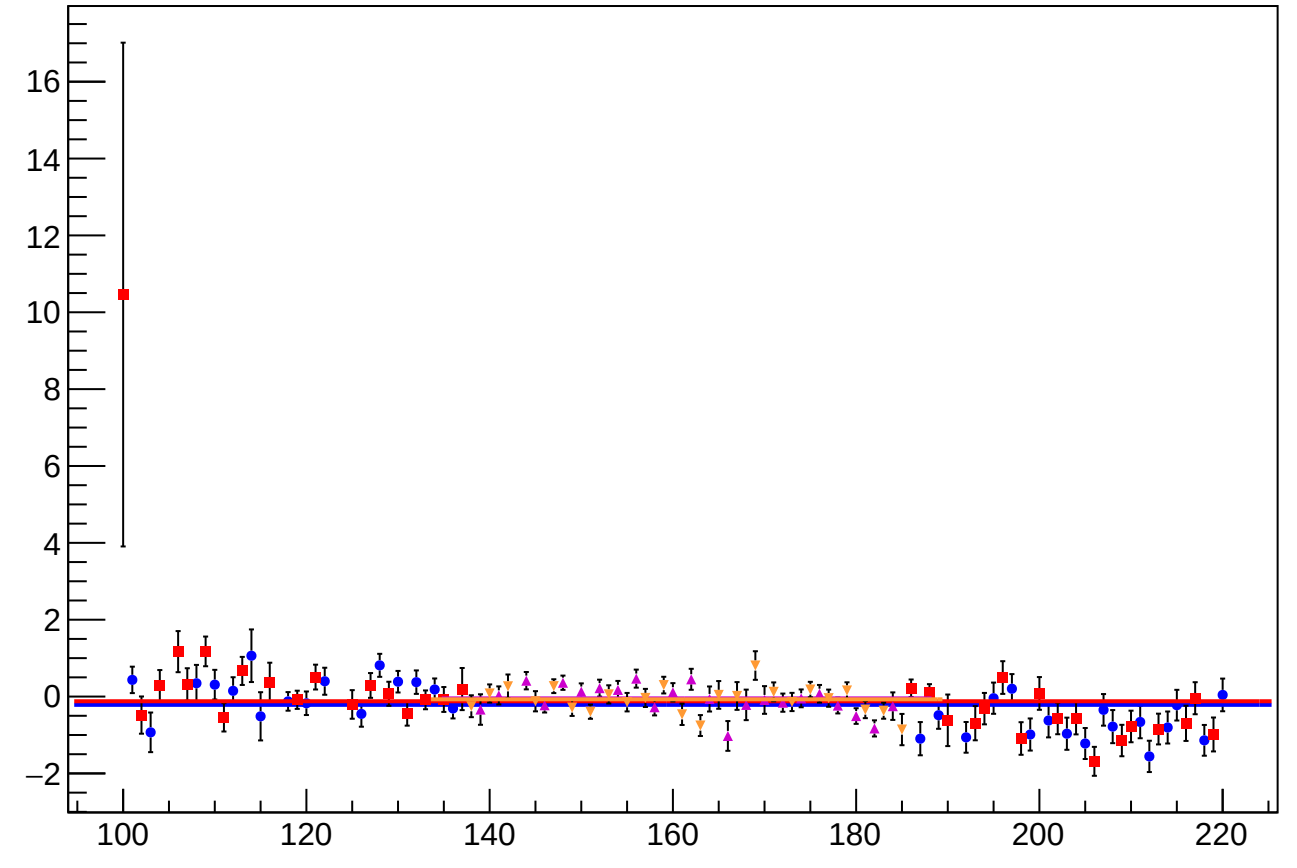
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.347+/-0.030 χ^2/NDF: 180.8/67

In: -0.189+/-0.036 χ^2/NDF:104.0/55

Out: -0.330+/-0.033 χ^2/NDF:163.8/58

All: -0.266+/-0.024 χ^2/NDF: 276.4/114



Right In: -0.215+/-0.064 χ^2/NDF: 85.2/32

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.122+/-0.062 χ^2/NDF: 86.8/34

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

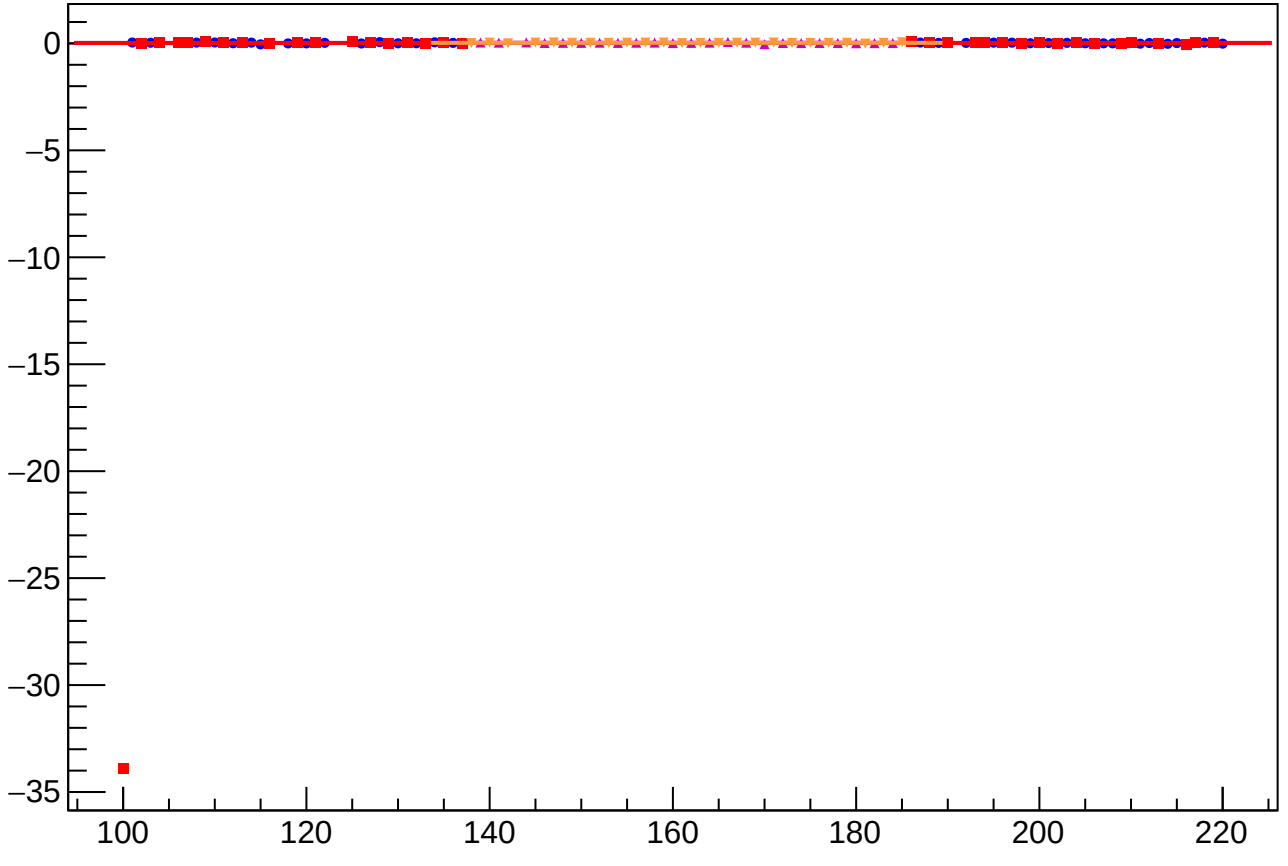
Right: -0.167+/-0.044 χ^2/NDF: 173.1/67

In: -0.111+/-0.039 χ^2/NDF:139.9/55

Out: -0.091+/-0.039 χ^2/NDF:124.9/58

All: -0.101+/-0.028 χ^2/NDF: 265.0/114

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.003 χ^2/NDF: 32.0/32

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.021+/-0.003 χ^2/NDF: 22326.5/34

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

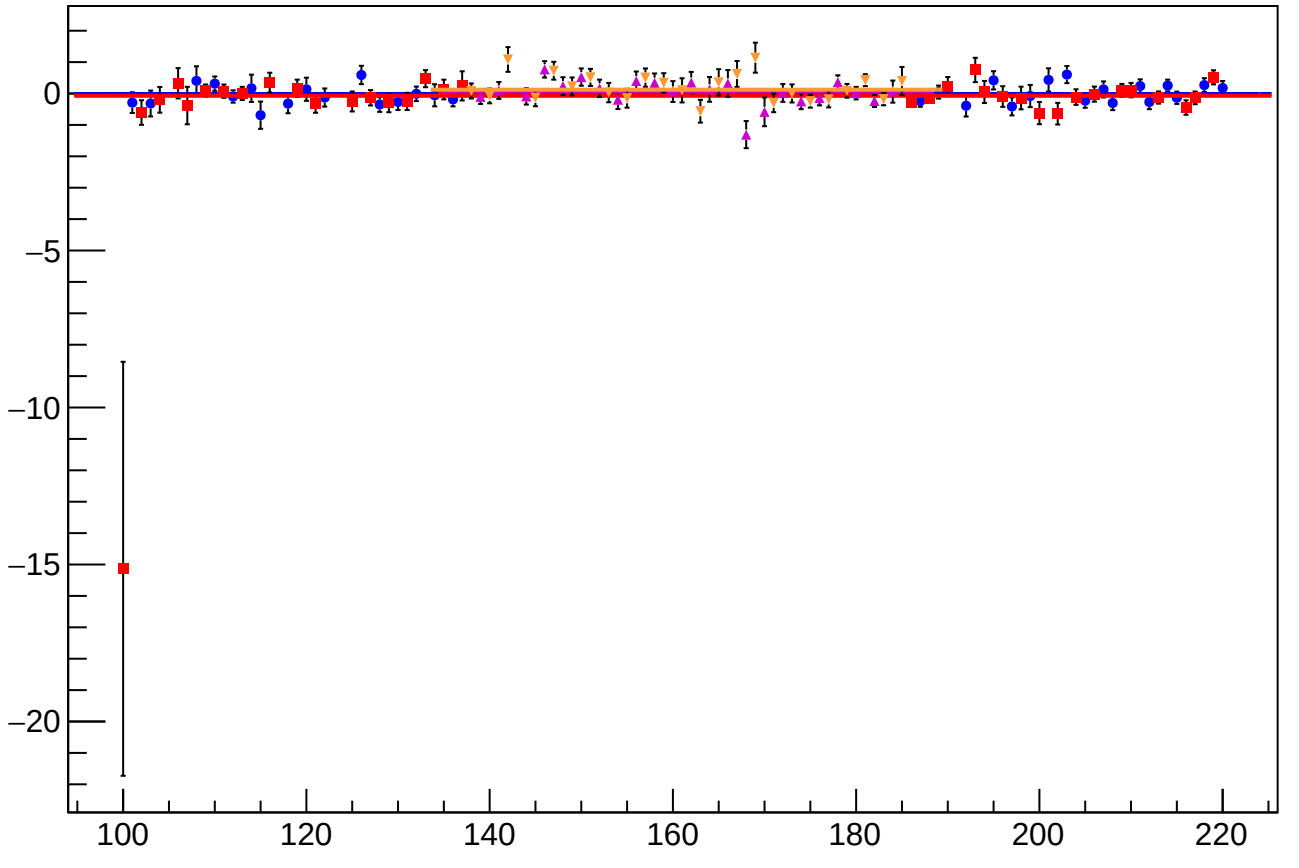
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.021+/-0.002 χ^2/NDF: 22358.4/67

In: 0.025+/-0.002 χ^2/NDF:73.2/55

Out: 0.024+/-0.002 χ^2/NDF:22359.9/58

All: 0.024+/-0.001 χ^2/NDF: 22433.1/114



Right In: -0.016+/-0.045 χ^2/NDF: 39.9/32

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.072+/-0.041 χ^2/NDF: 44.8/34

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

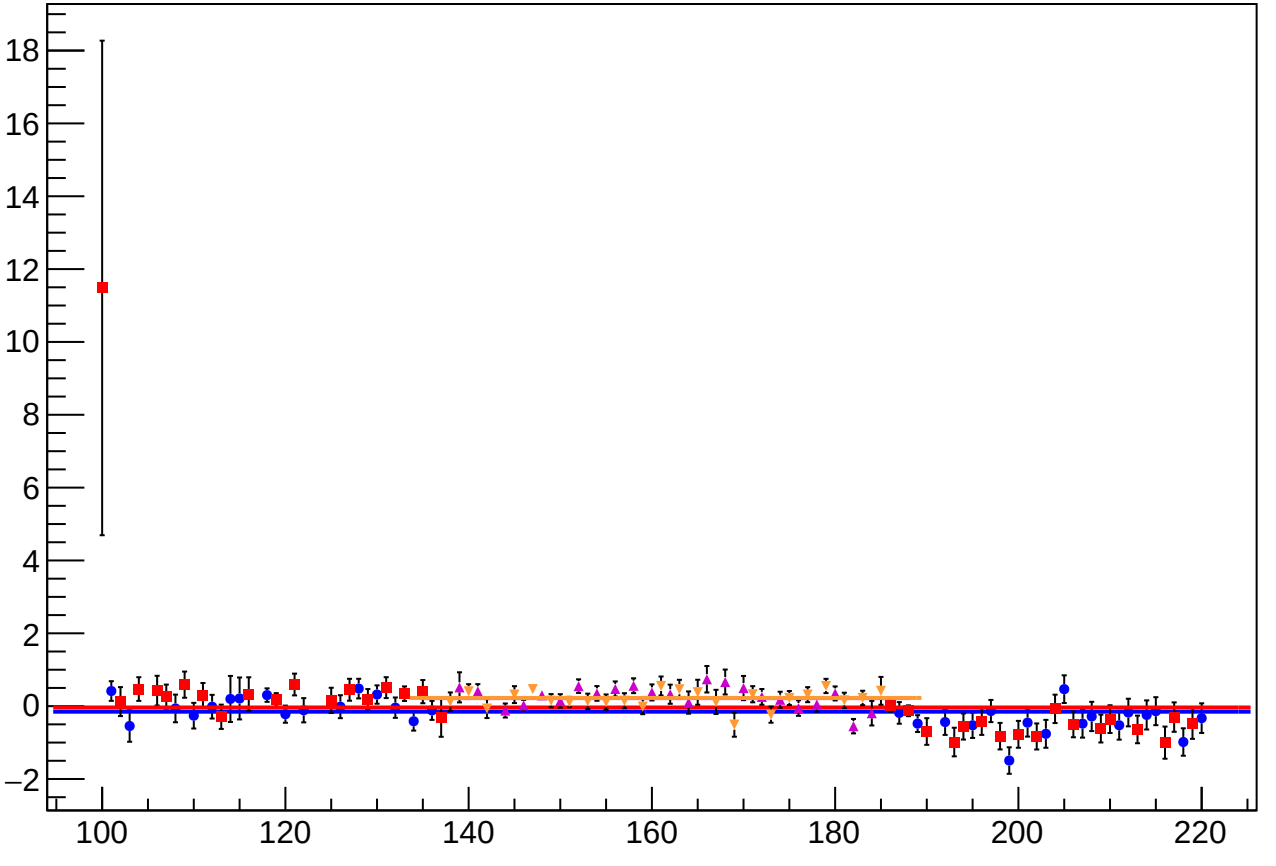
Right: -0.046+/-0.030 χ^2/NDF: 85.6/67

In: 0.014+/-0.035 χ^2/NDF:75.4/55

Out: -0.005+/-0.033 χ^2/NDF:92.1/58

All: 0.004+/-0.024 χ^2/NDF: 167.6/114

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.152+/-0.055 χ^2/NDF: 52.9/32

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.037+/-0.052 χ^2/NDF: 71.4/34

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

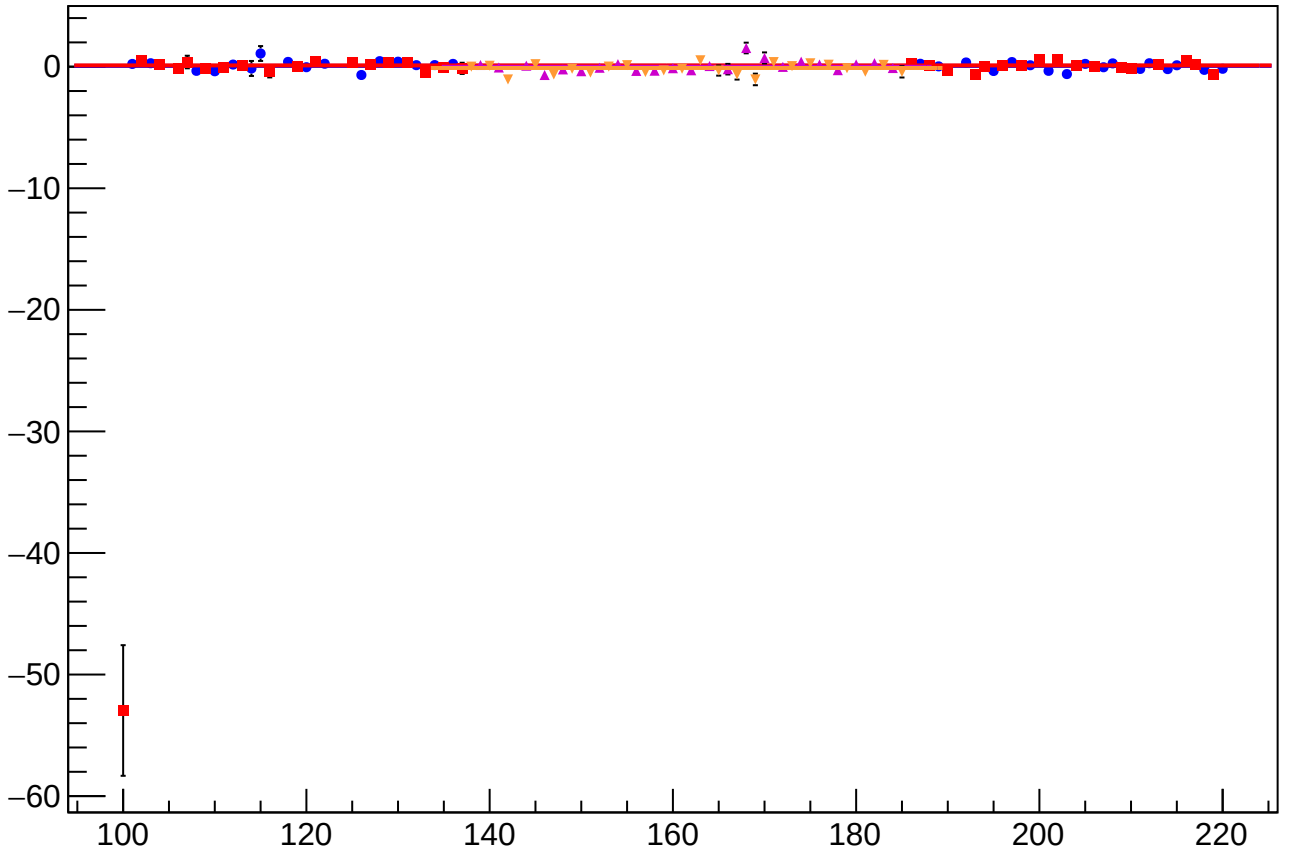
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.090+/-0.038 χ^2/NDF: 126.6/67

In: 0.076+/-0.035 χ^2/NDF:119.9/55

Out: 0.117+/-0.033 χ^2/NDF:110.6/58

All: 0.097+/-0.024 χ^2/NDF: 231.3/114



Right In: 0.068+/-0.045 χ^2/NDF: 39.4/32

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.107+/-0.040 χ^2/NDF: 135.5/34

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

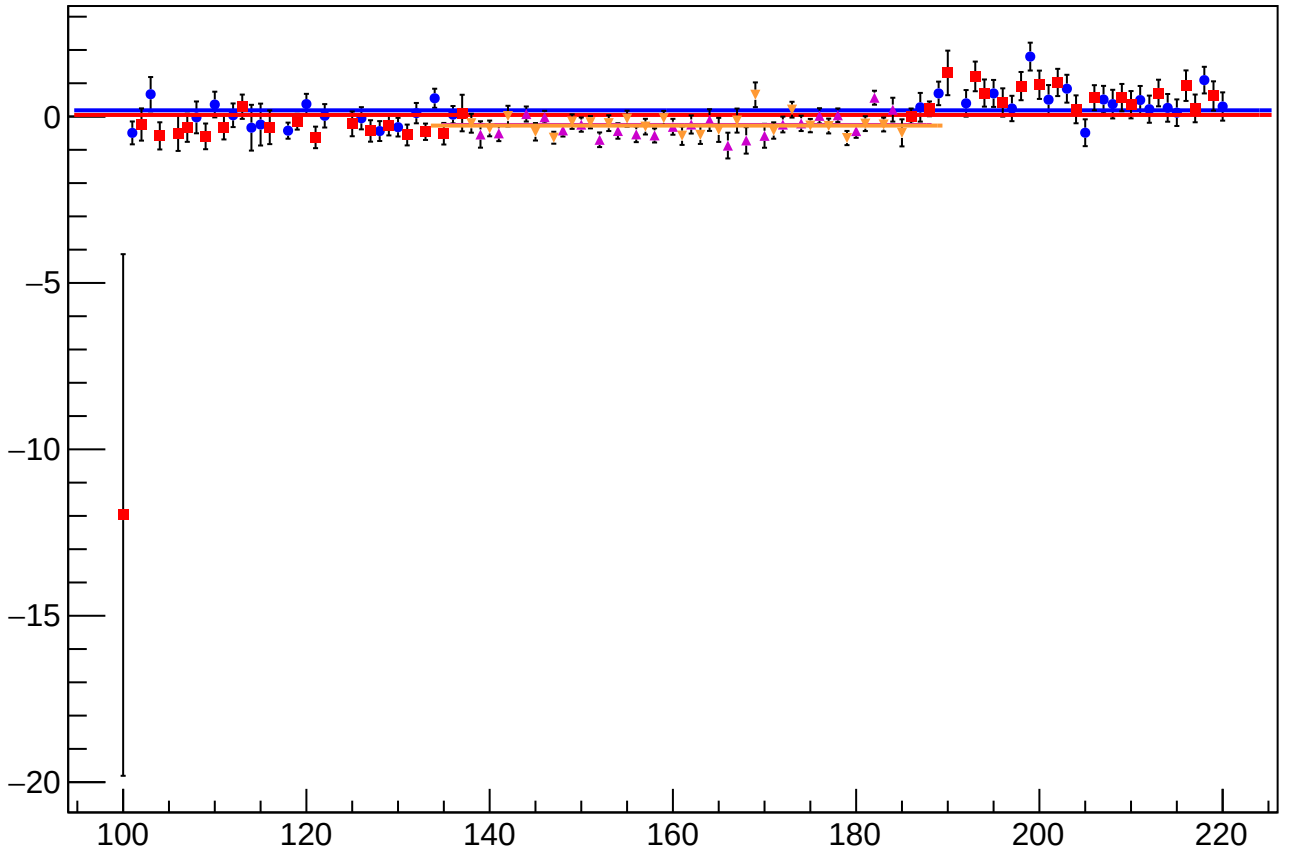
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.090+/-0.030 χ^2/NDF: 175.3/67

In: 0.038+/-0.036 χ^2/NDF:78.5/55

Out: 0.035+/-0.033 χ^2/NDF:182.4/58

All: 0.036+/-0.024 χ^2/NDF: 260.9/114



Right In: 0.187+/-0.064 χ^2/NDF: 54.6/32

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: 0.048+/-0.062 χ^2/NDF: 72.7/34

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

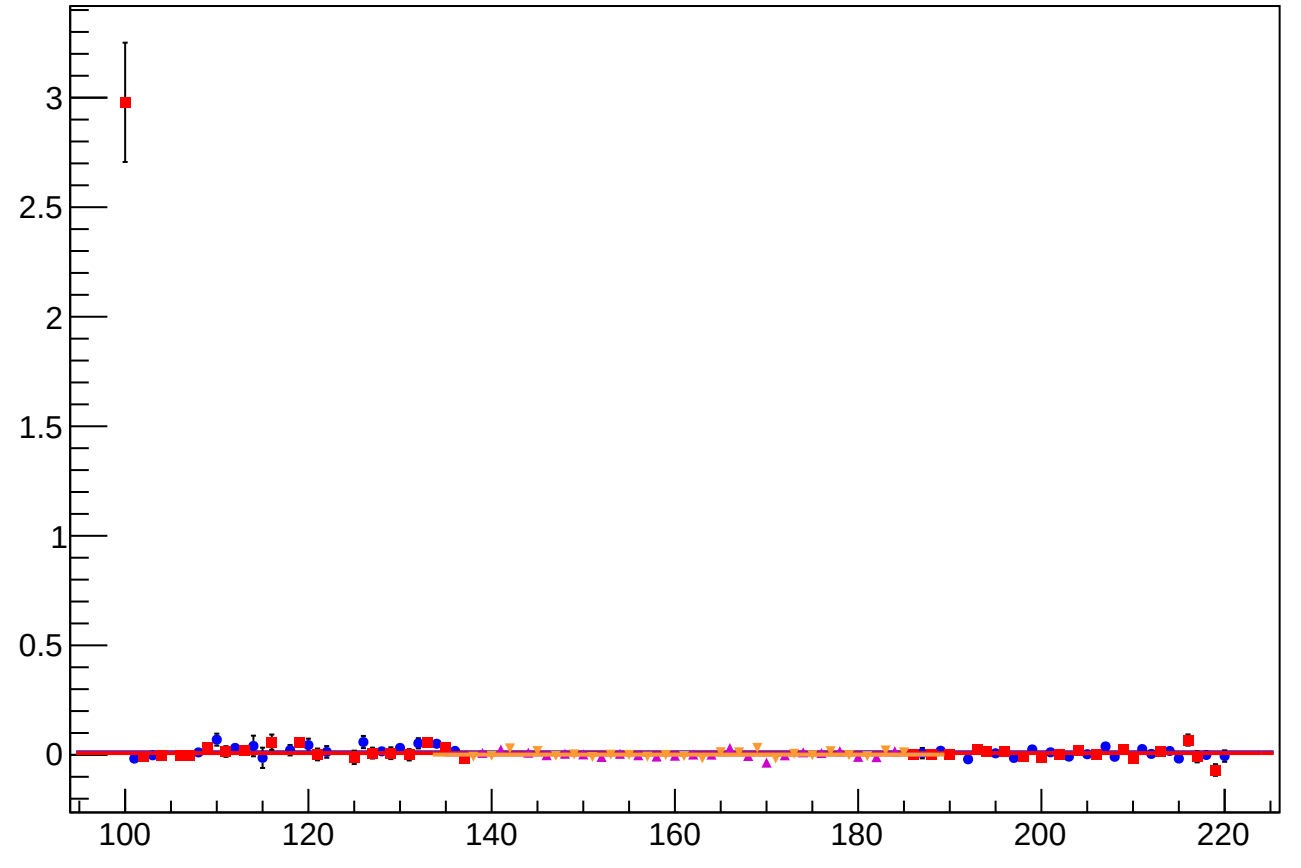
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.115+/-0.044 χ^2/NDF: 129.8/67

In: -0.086+/-0.039 χ^2/NDF:124.6/55

Out: -0.148+/-0.039 χ^2/NDF:113.9/58

All: -0.118+/-0.028 χ^2/NDF: 239.8/114



Right In: 0.012+/-0.003 χ^2/NDF: 47.7/32

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.008+/-0.003 χ^2/NDF: 166.8/34

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

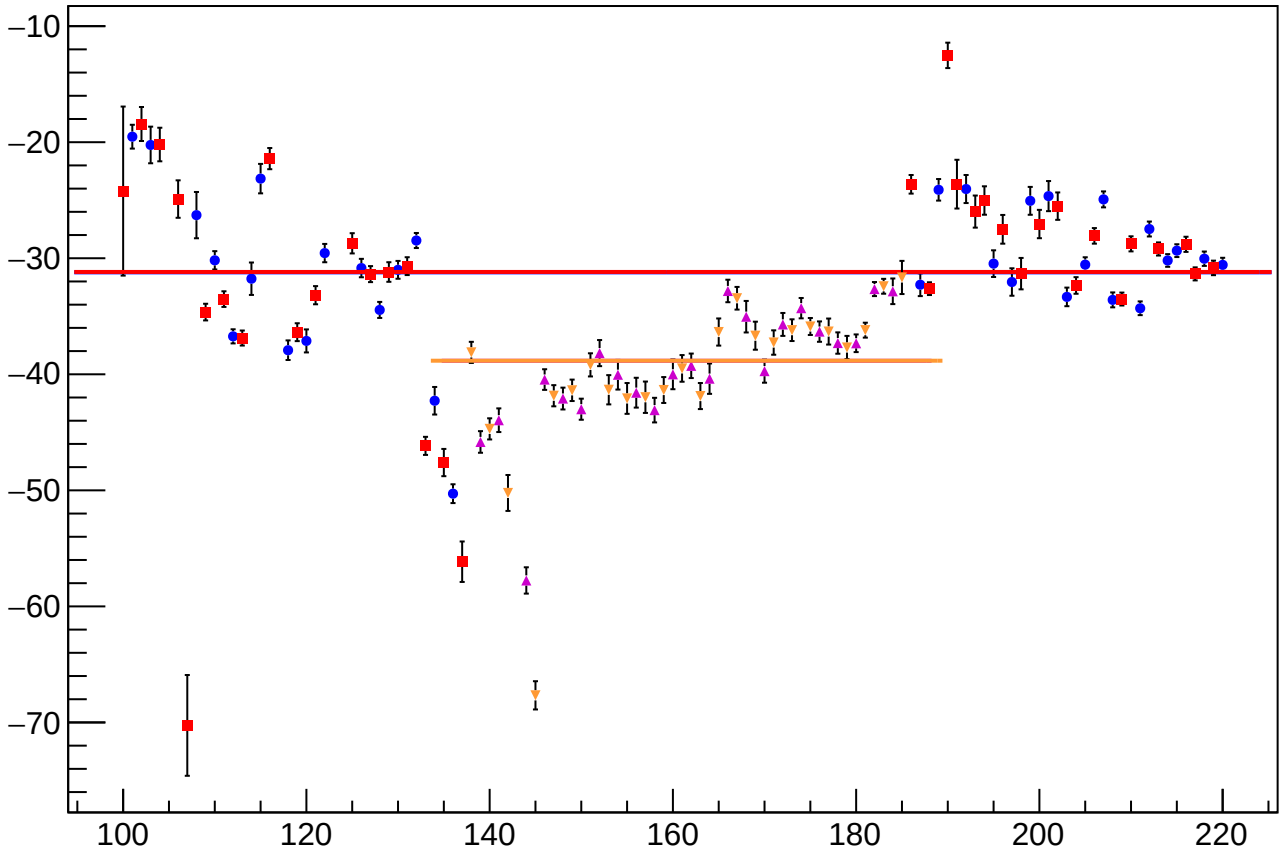
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.010+/-0.002 χ^2/NDF: 215.2/67

In: 0.006+/-0.002 χ^2/NDF:78.6/55

Out: 0.004+/-0.002 χ^2/NDF:197.1/58

All: 0.005+/-0.001 χ^2/NDF: 276.2/114



Right In: -31.215+/-0.138 χ^2/NDF: 1426.5/32

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.180+/-0.138 χ^2/NDF: 1852.6/35

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

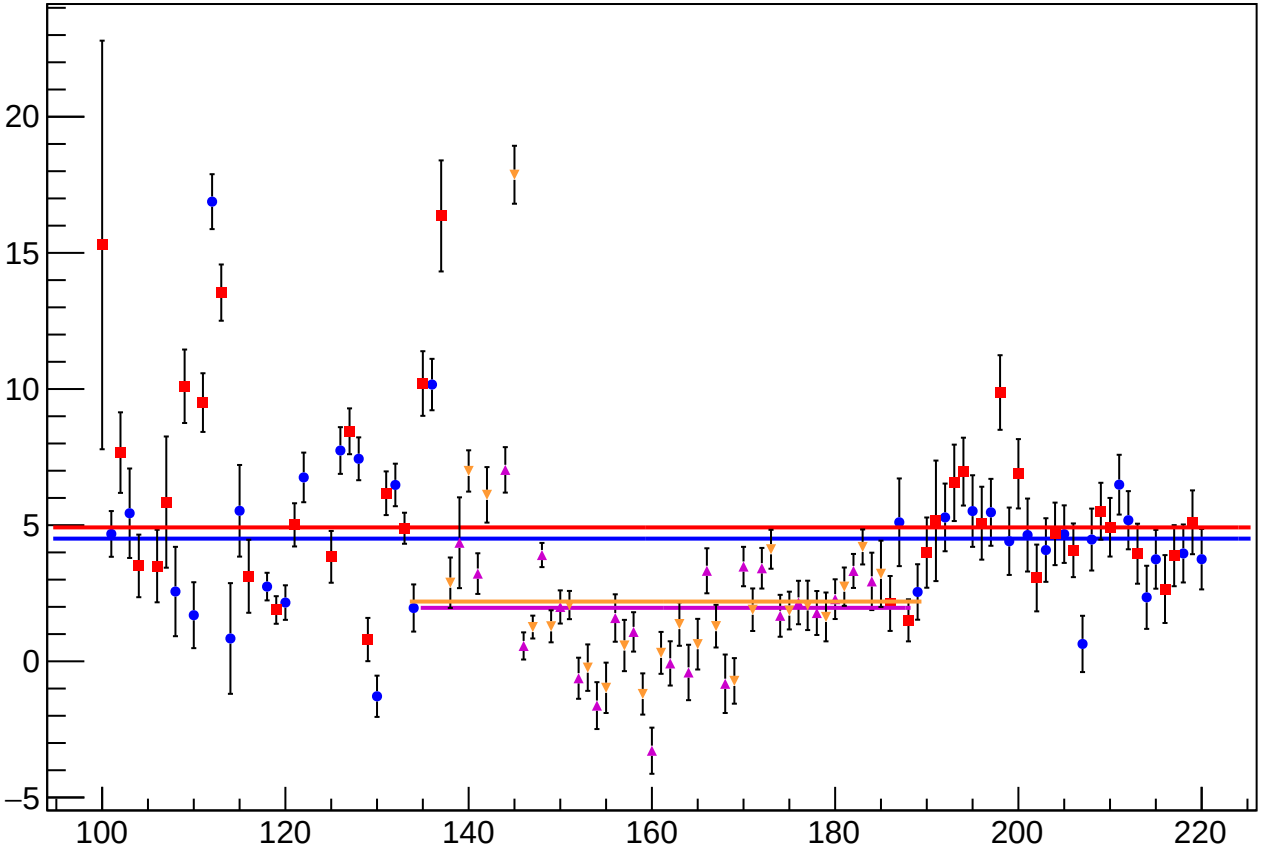
Right: -31.198+/-0.098 χ^2/NDF: 3279.1/68

In: -33.619+/-0.114 χ^2/NDF:3041.2/55

Out: -33.620+/-0.114 χ^2/NDF:3745.6/59

All: -33.619+/-0.081 χ^2/NDF: 6786.8/115

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.506+/-0.173 χ^2/NDF: 358.7/32

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.918+/-0.173 χ^2/NDF: 303.5/35

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

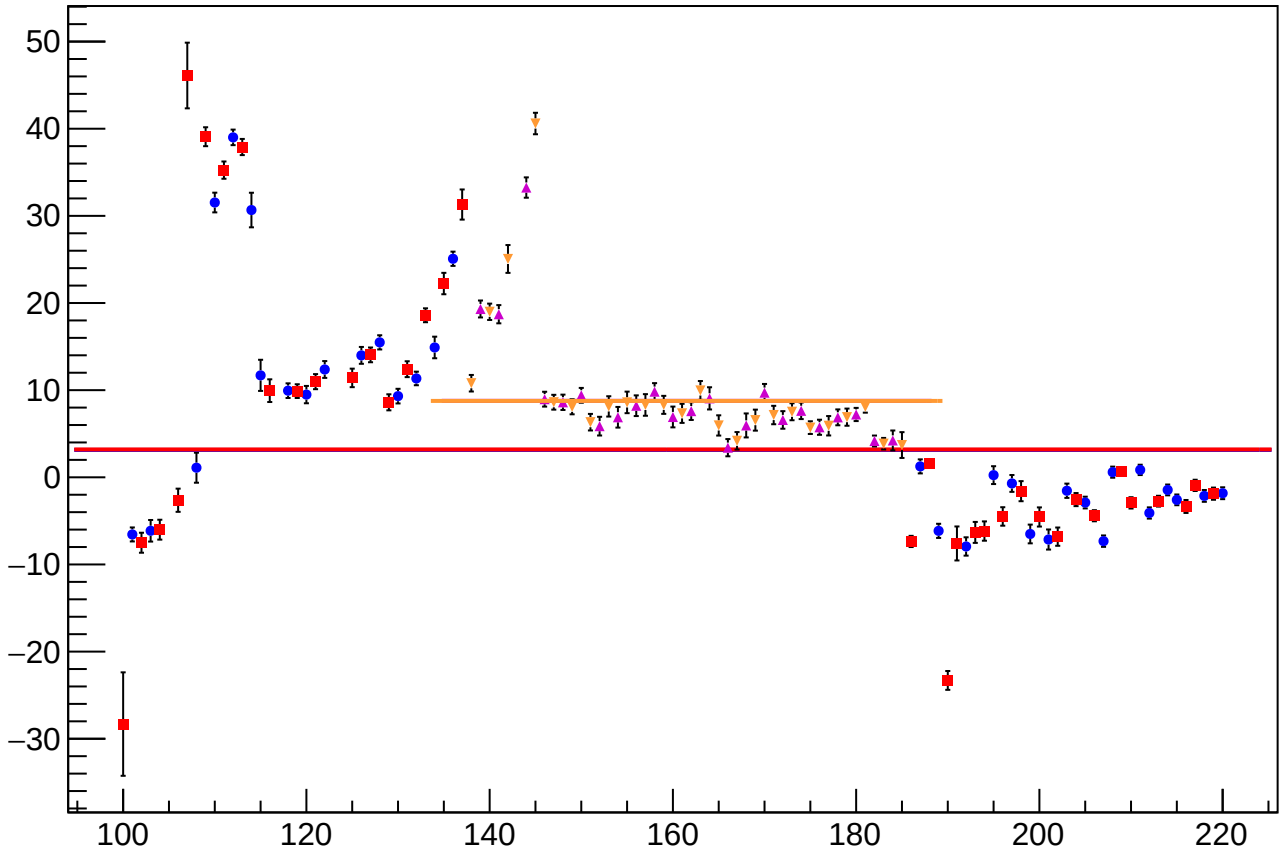
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.712+/-0.122 χ^2/NDF: 665.0/68

In: 3.097+/-0.115 χ^2/NDF:652.2/55

Out: 3.386+/-0.114 χ^2/NDF:808.7/59

All: 3.243+/-0.081 χ^2/NDF: 1464.1/115



Right In: 3.142+/-0.145 χ^2/NDF: 5406.3/32

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 3.195+/-0.144 χ^2/NDF: 7118.7/35

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

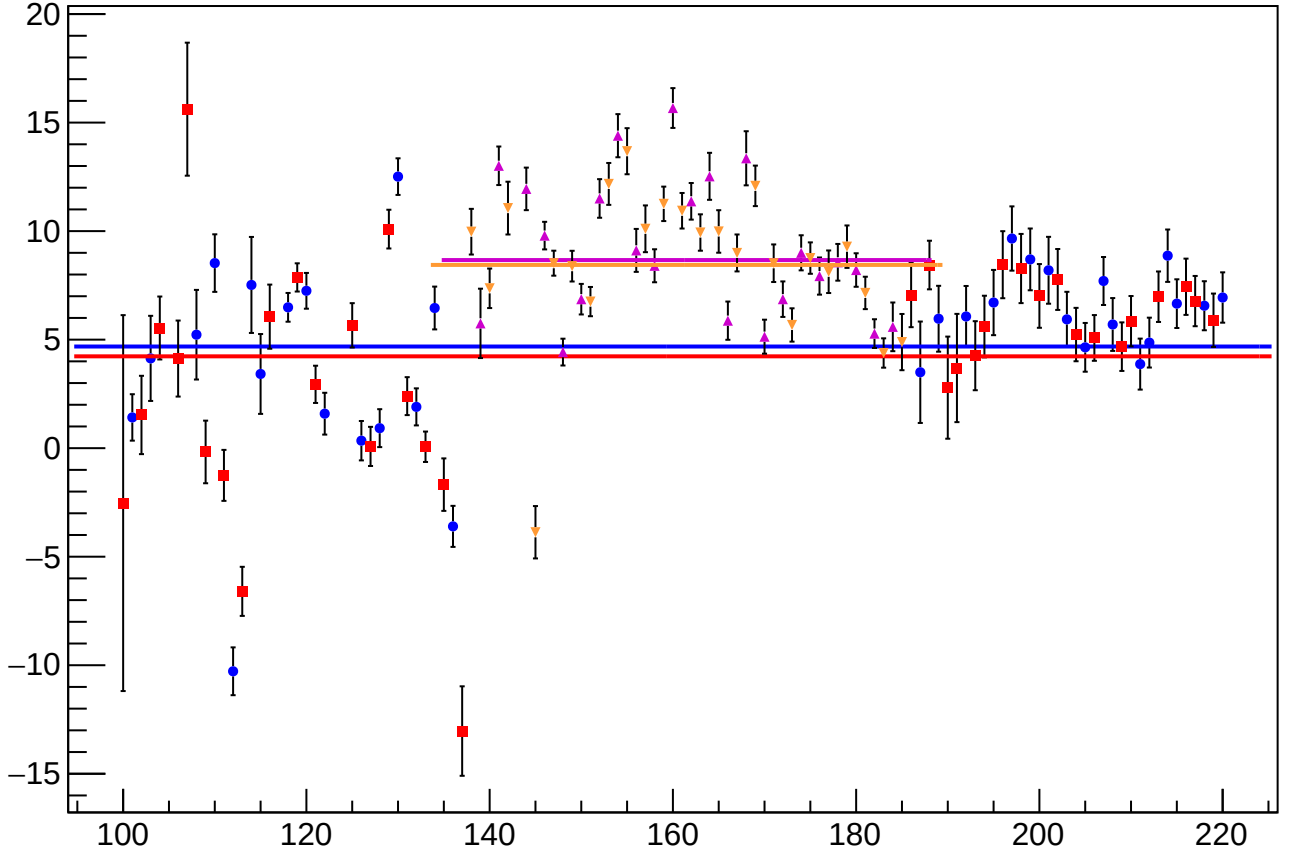
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 3.169+/-0.102 χ^2/NDF: 12525.1/68

In: 5.070+/-0.118 χ^2/NDF:6715.2/55

Out: 5.096+/-0.117 χ^2/NDF:8662.7/59

All: 5.083+/-0.083 χ^2/NDF: 15378.0/115



Right In: 4.683+/-0.197 χ^2/NDF: 509.7/32

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 4.231+/-0.199 χ^2/NDF: 440.2/35

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

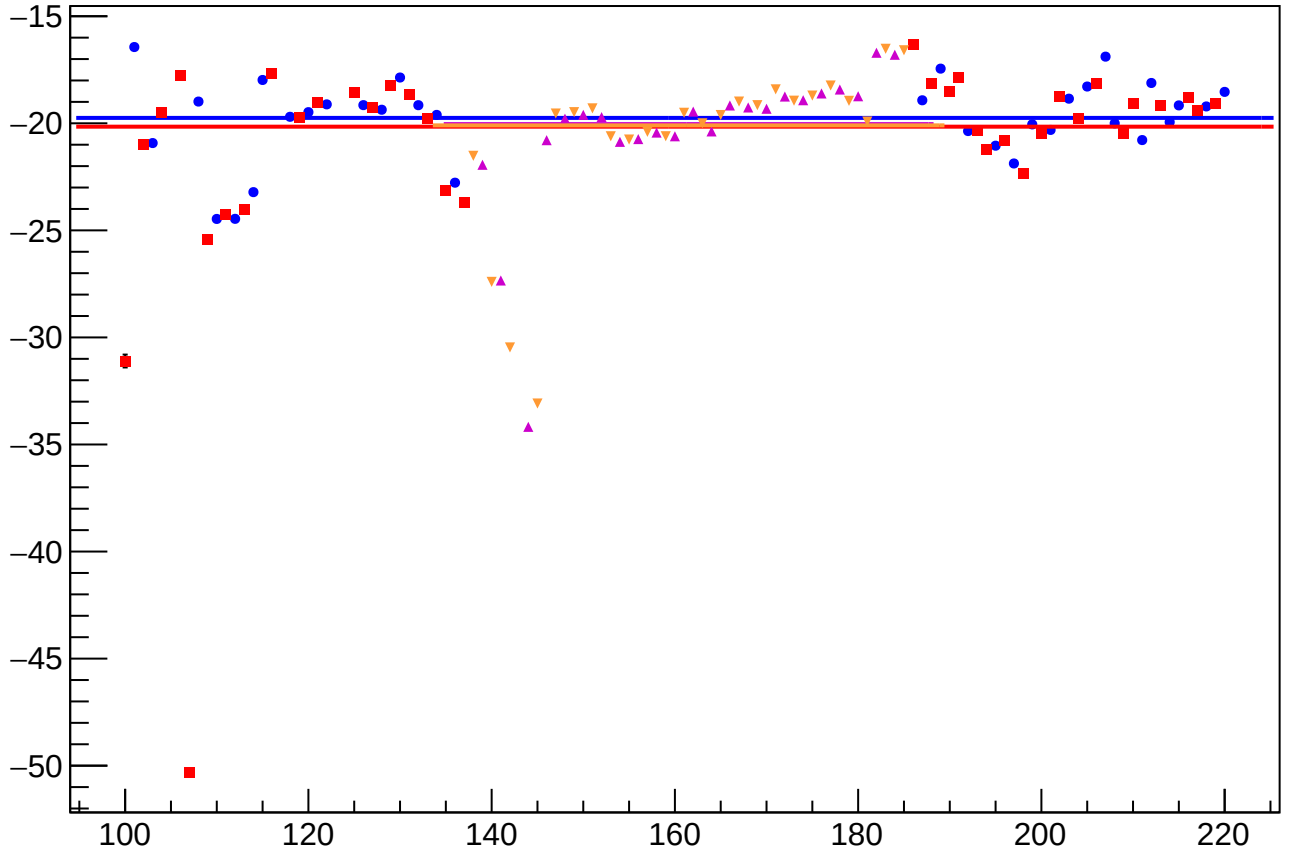
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.460+/-0.140 χ^2/NDF: 952.5/68

In: 6.898+/-0.131 χ^2/NDF:1042.7/55

Out: 6.624+/-0.131 χ^2/NDF:958.7/59

All: 6.761+/-0.093 χ^2/NDF: 2003.6/115



Right In: -19.748+/-0.010 χ^2/NDF: 32873.6/32

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.157+/-0.010 χ^2/NDF: 73099.3/35

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

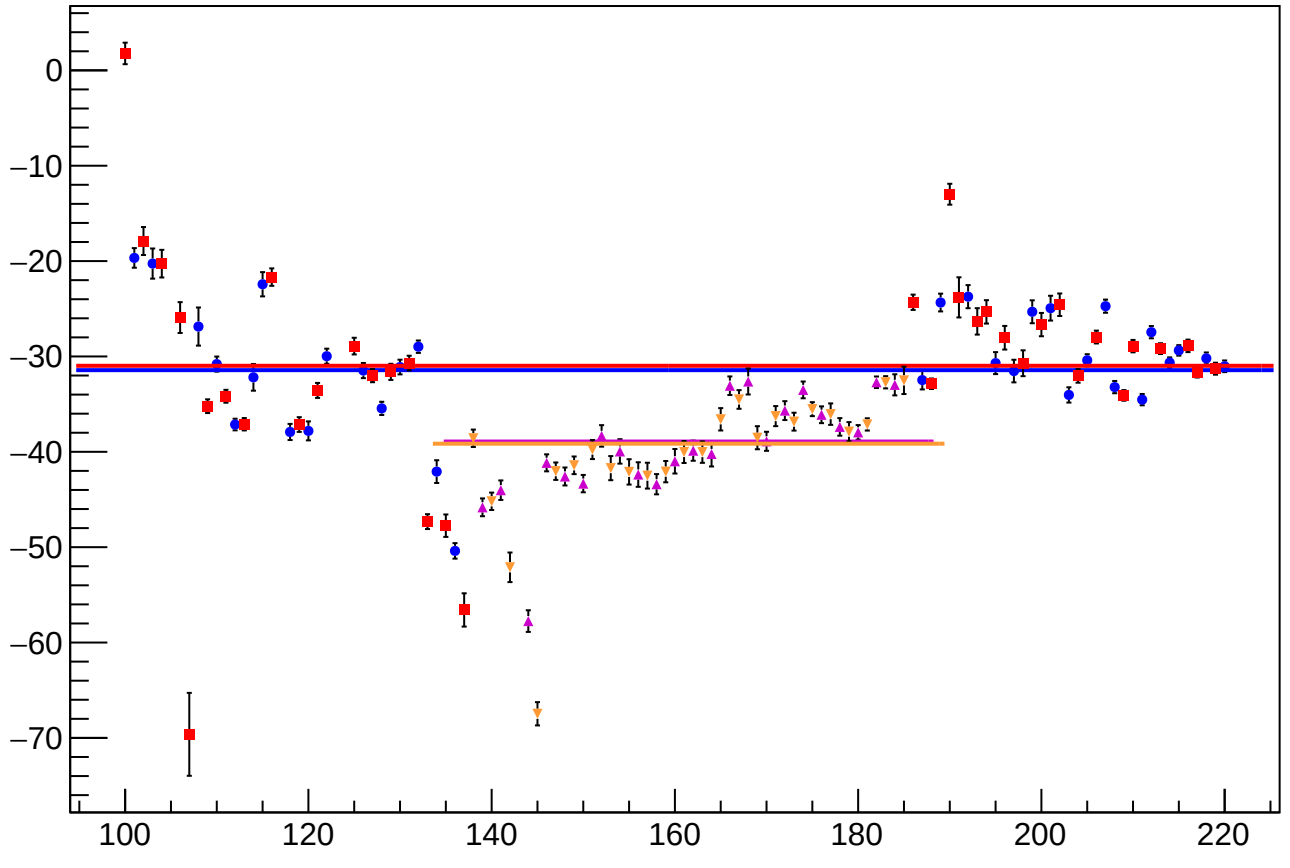
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -19.952+/-0.007 χ^2/NDF: 106828.4/68

In: -19.925+/-0.006 χ^2/NDF:165688.9/55

Out: -20.120+/-0.006 χ^2/NDF:232415.9/59

All: -20.022+/-0.004 χ^2/NDF: 398603.9/115



Right In: -31.437+/-0.138 χ^2/NDF: 1452.7/32

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -30.979+/-0.137 χ^2/NDF: 2782.2/35

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

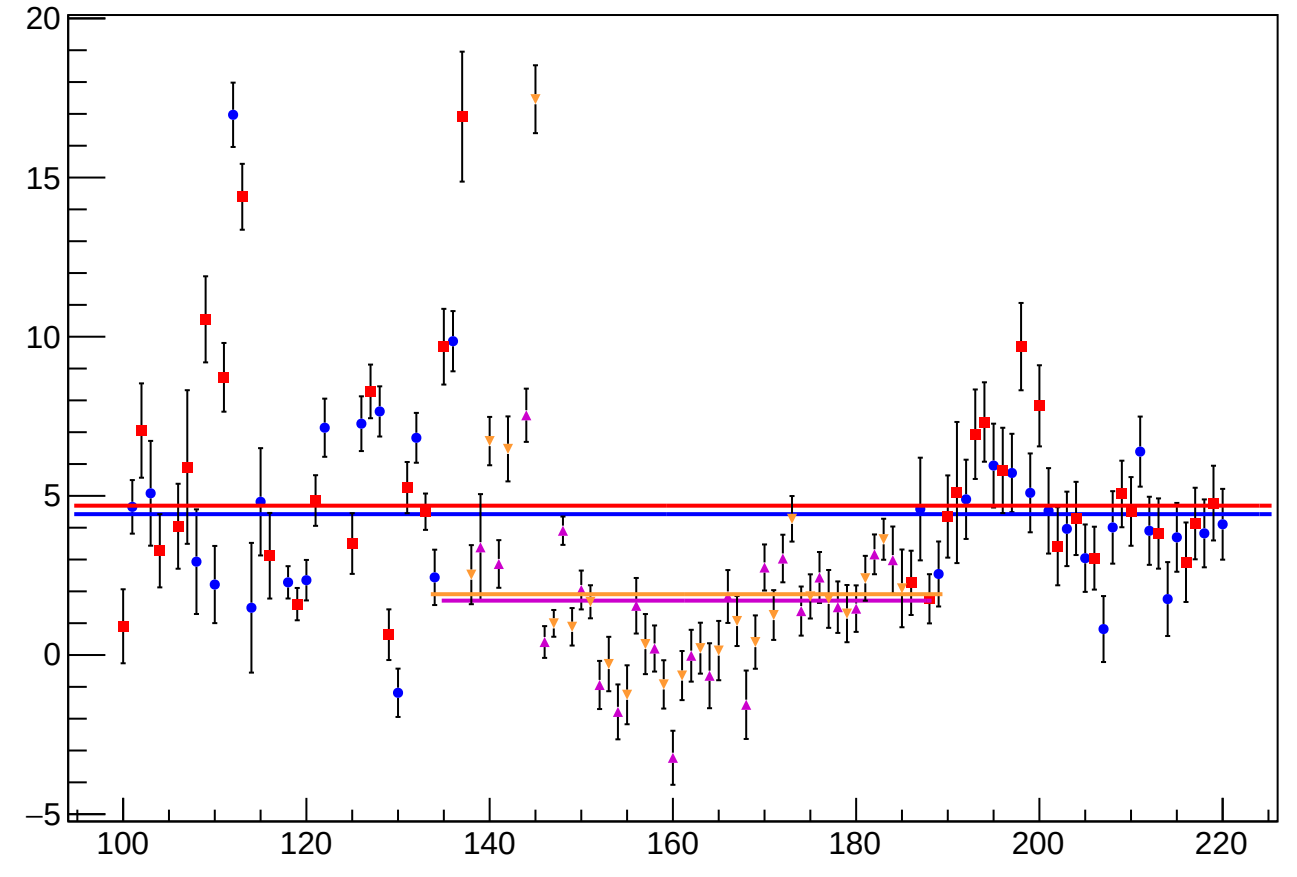
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.207+/-0.098 χ^2/NDF: 4240.3/68

In: -33.797+/-0.114 χ^2/NDF:3060.6/55

Out: -33.558+/-0.114 χ^2/NDF:4795.2/59

All: -33.677+/-0.081 χ^2/NDF: 7858.0/115



Right In: 4.425+/-0.173 χ^2/NDF: 357.8/32

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.692+/-0.171 χ^2/NDF: 328.2/35

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

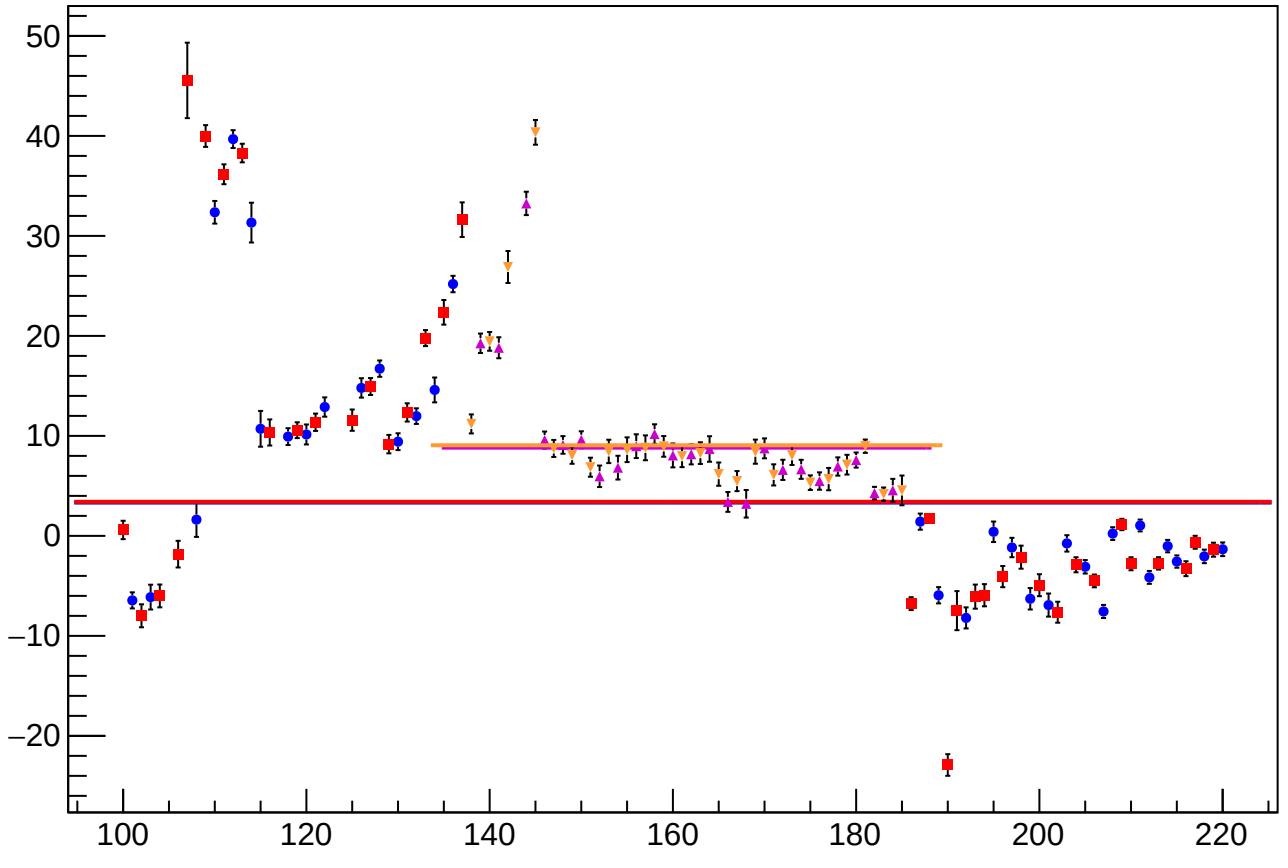
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.560+/-0.122 χ^2/NDF: 687.2/68

In: 2.920+/-0.115 χ^2/NDF:677.4/55

Out: 3.142+/-0.114 χ^2/NDF:834.8/59

All: 3.032+/-0.081 χ^2/NDF: 1514.1/115



Right In: 3.332+/-0.146 χ^2/NDF: 5574.7/32

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 3.408+/-0.143 χ^2/NDF: 7294.6/35

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

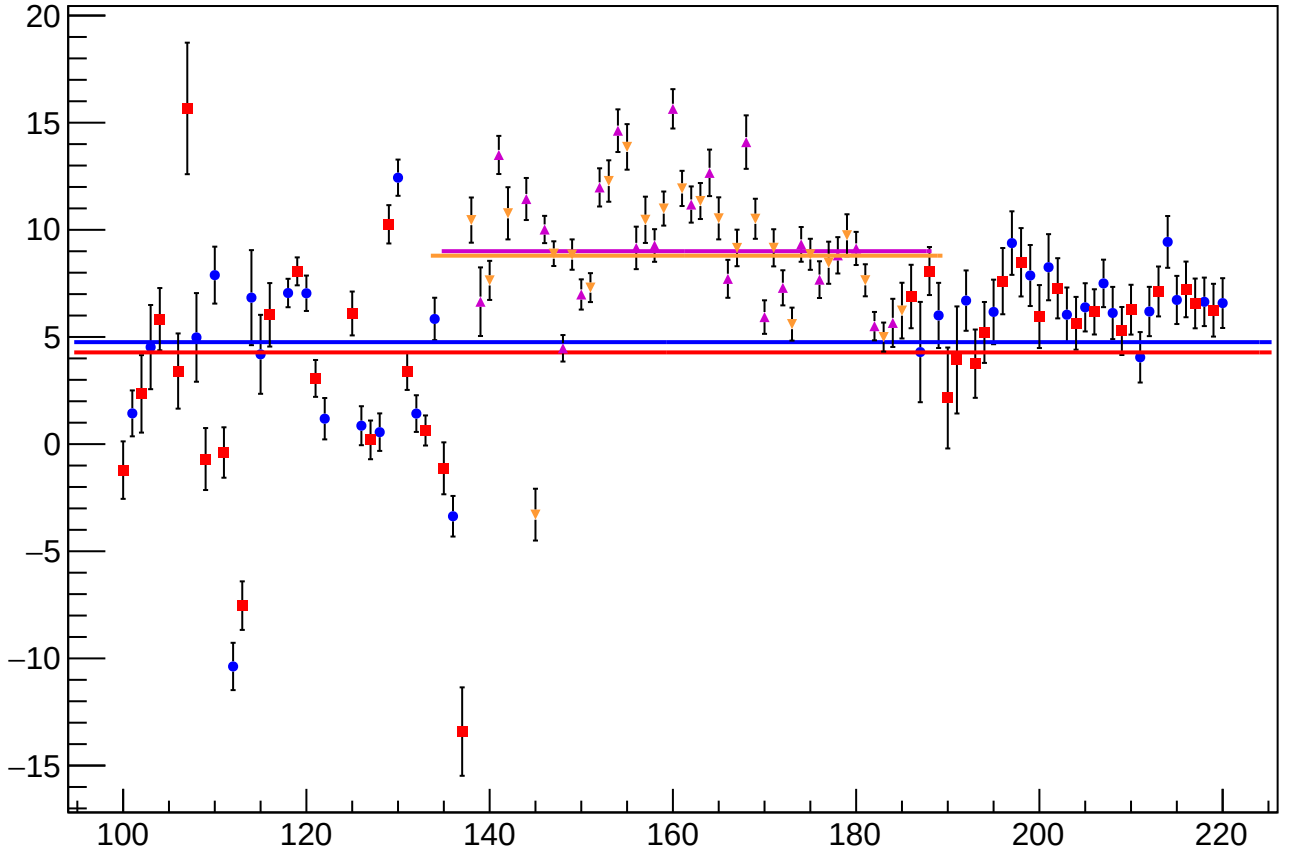
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 3.371+/-0.102 χ^2/NDF: 12869.4/68

In: 5.213+/-0.118 χ^2/NDF:6863.3/55

Out: 5.306+/-0.116 χ^2/NDF:8854.3/59

All: 5.260+/-0.083 χ^2/NDF: 15717.9/115



Right In: 4.759+/-0.197 χ^2/NDF: 510.0/32

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.280+/-0.197 χ^2/NDF: 455.2/35

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

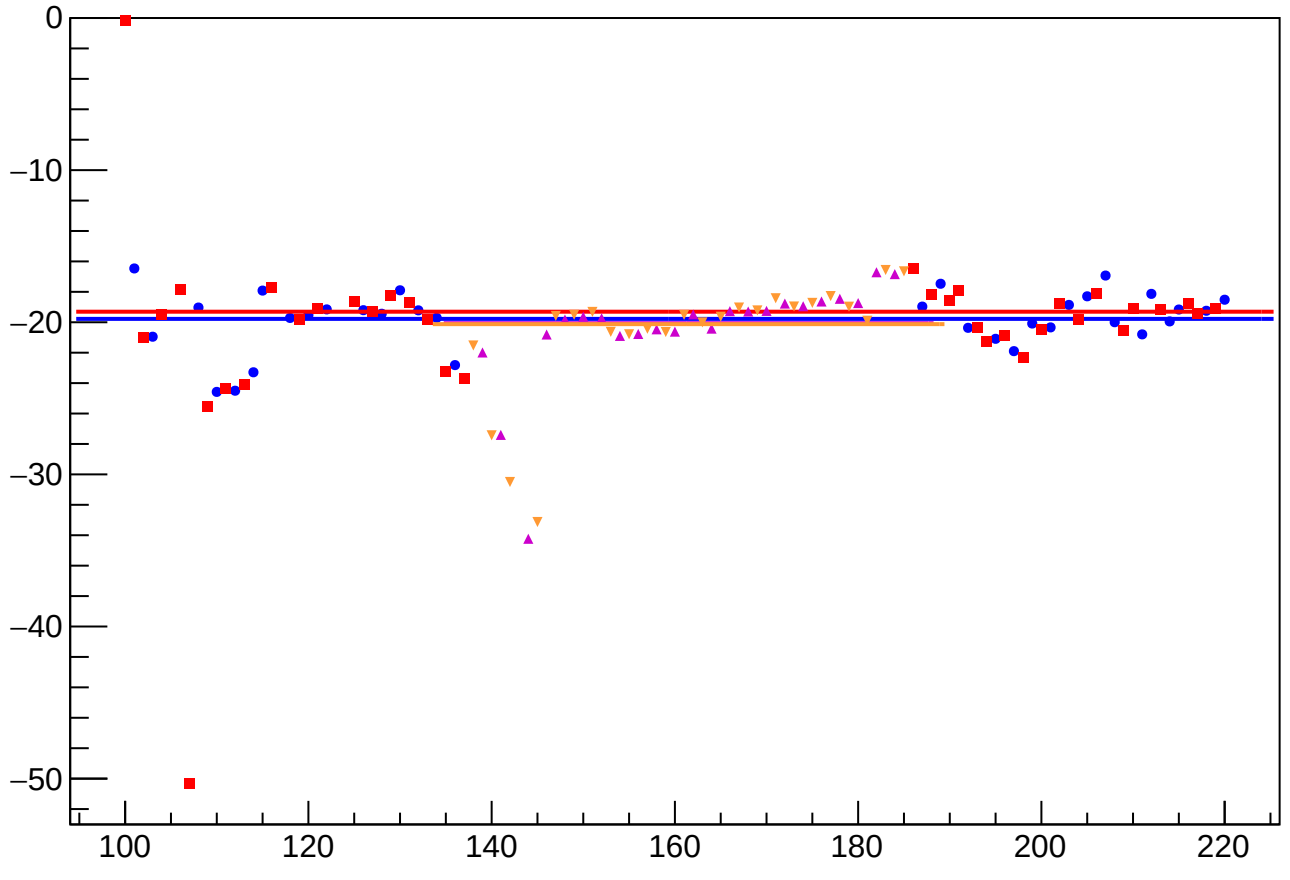
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.520+/-0.139 χ^2/NDF: 968.2/68

In: 7.119+/-0.131 χ^2/NDF:1057.9/55

Out: 6.821+/-0.130 χ^2/NDF:993.7/59

All: 6.969+/-0.093 χ^2/NDF: 2054.1/115



Right In: -19.778+/-0.010 χ^2/NDF: 32919.1/32

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.306+/-0.010 χ^2/NDF: 248164.3/35

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

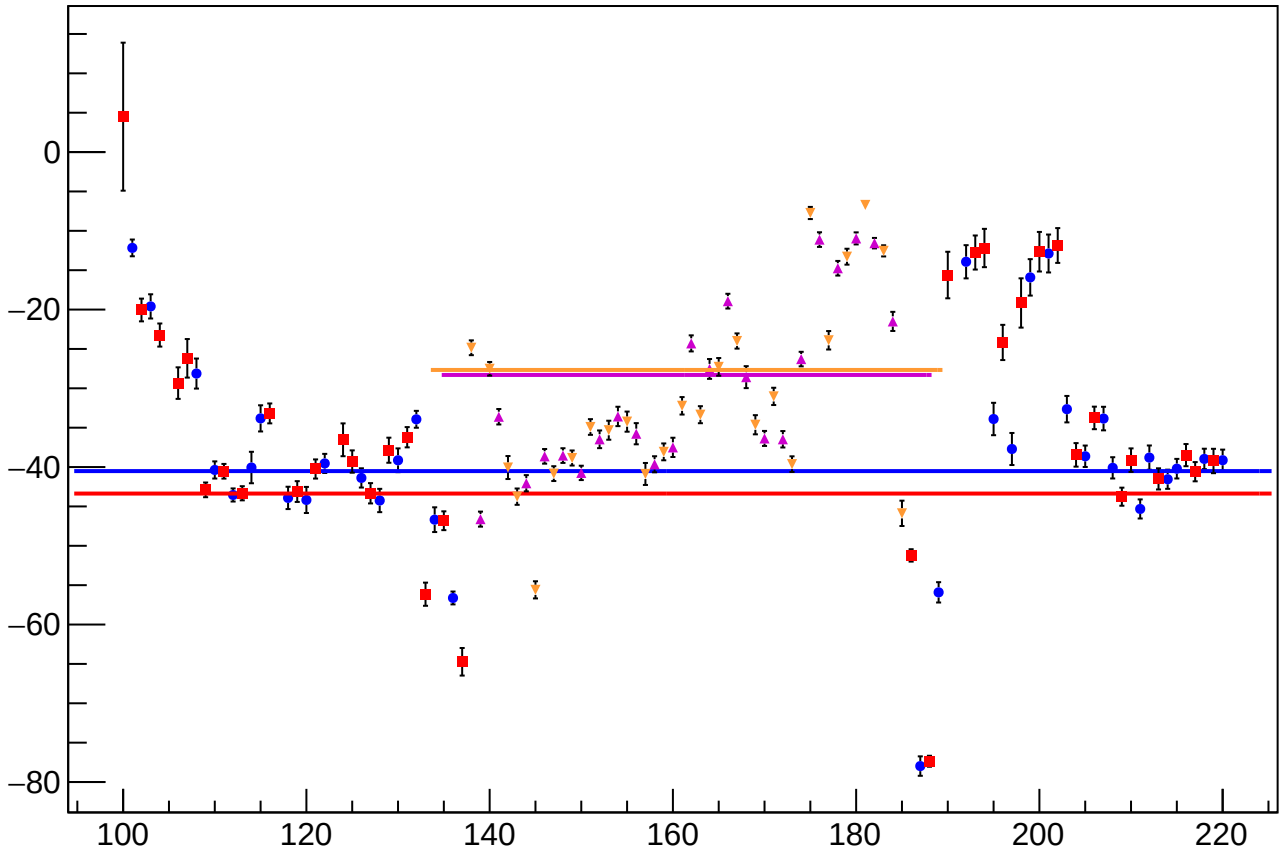
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.537+/-0.007 χ^2/NDF: 282241.0/68

In: -19.952+/-0.006 χ^2/NDF:166115.3/55

Out: -19.796+/-0.006 χ^2/NDF:410987.4/59

All: -19.874+/-0.004 χ^2/NDF: 577421.6/115



Right In: -40.513+/-0.235 χ^2/NDF: 2970.4/32

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.366+/-0.225 χ^2/NDF: 4464.5/35

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

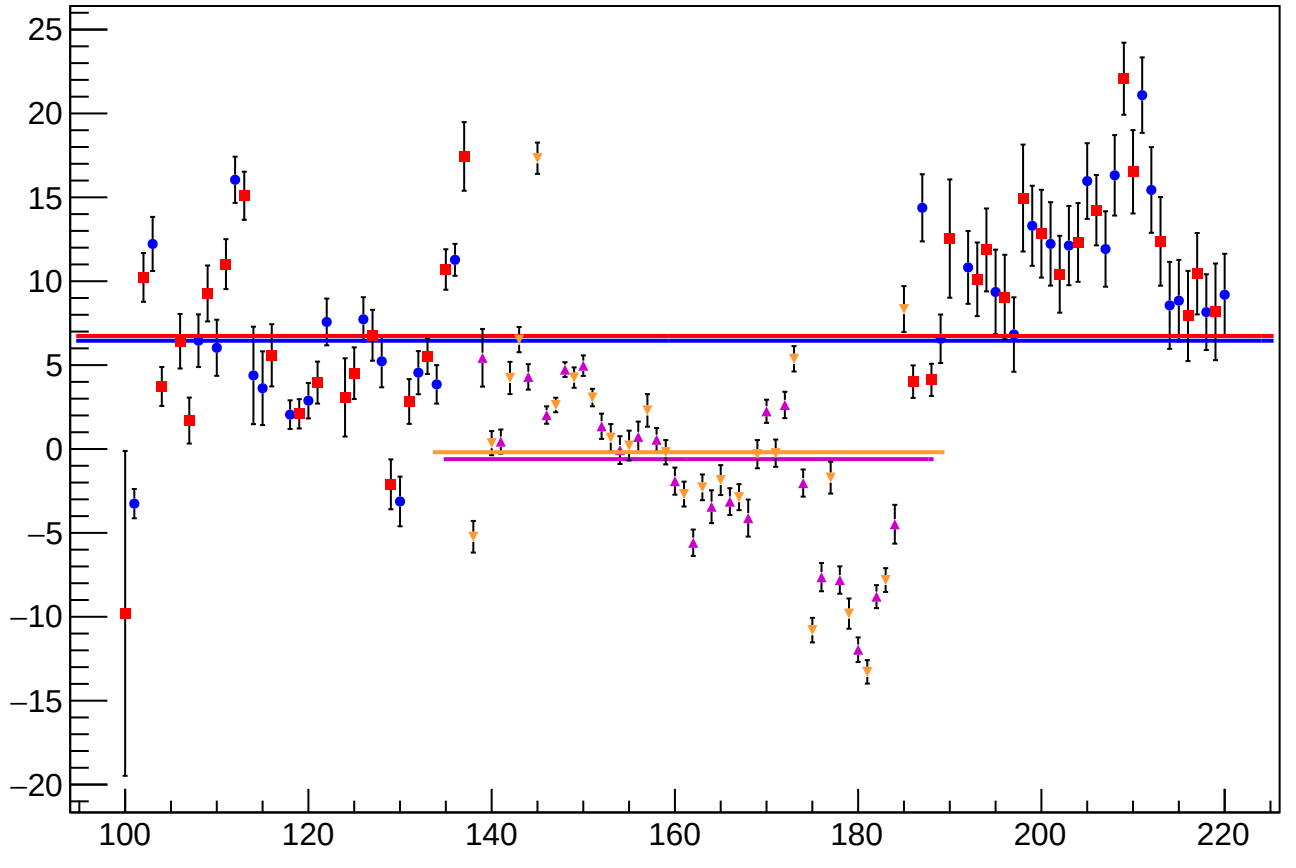
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.000+/-0.162 χ^2/NDF: 7511.9/68

In: -33.607+/-0.155 χ^2/NDF:7773.6/55

Out: -34.613+/-0.150 χ^2/NDF:11574.3/60

All: -34.127+/-0.108 χ^2/NDF: 19369.7/116



Right In: 6.454+/-0.273 χ^2/NDF: 442.3/32

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.738+/-0.266 χ^2/NDF: 327.5/35

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

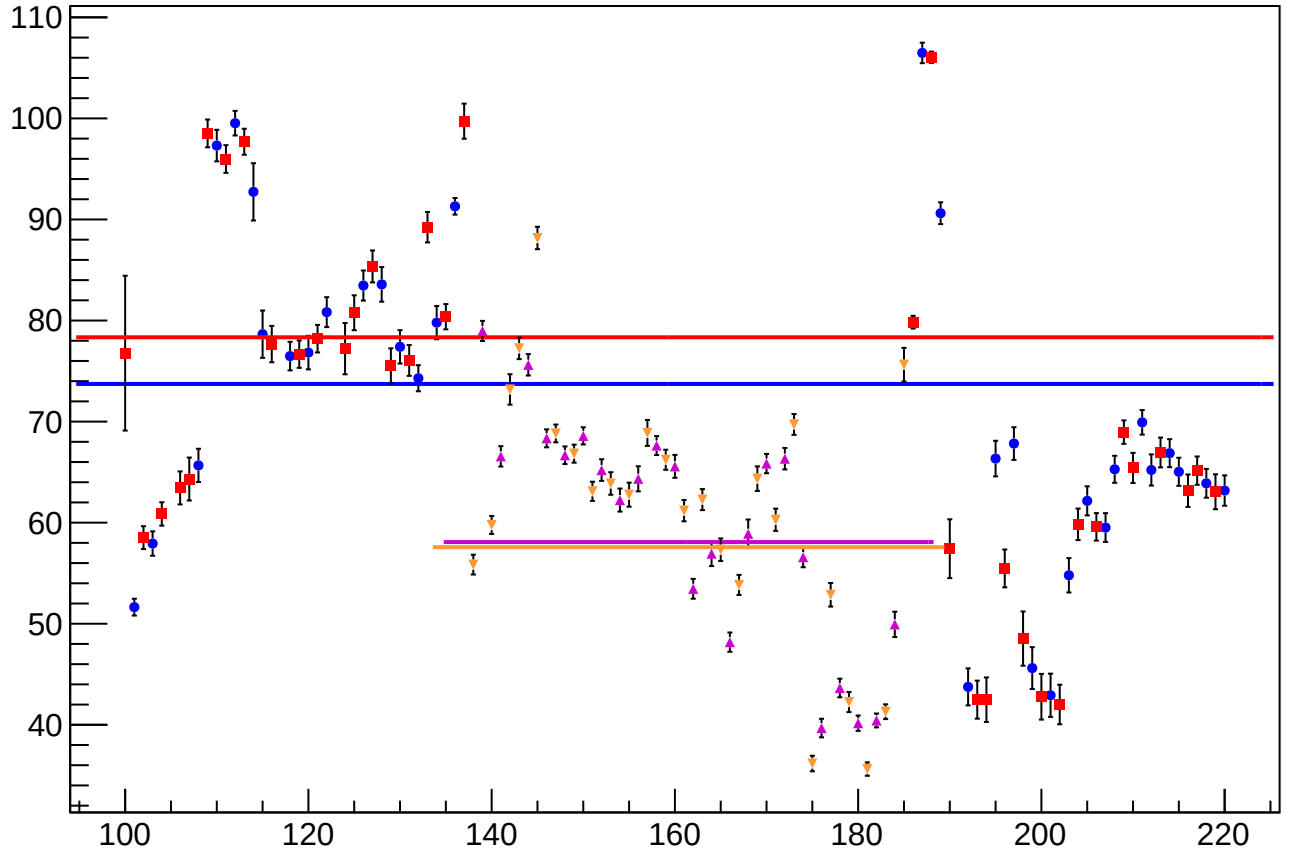
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.599+/-0.191 χ^2/NDF: 770.4/68

In: 1.120+/-0.135 χ^2/NDF:1922.7/55

Out: 1.478+/-0.131 χ^2/NDF:2386.4/60

All: 1.304+/-0.094 χ^2/NDF: 4312.8/116



Right In: 73.725+/-0.242 χ^2/NDF: 4713.2/32

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 78.342+/-0.227 χ^2/NDF: 6301.7/35

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

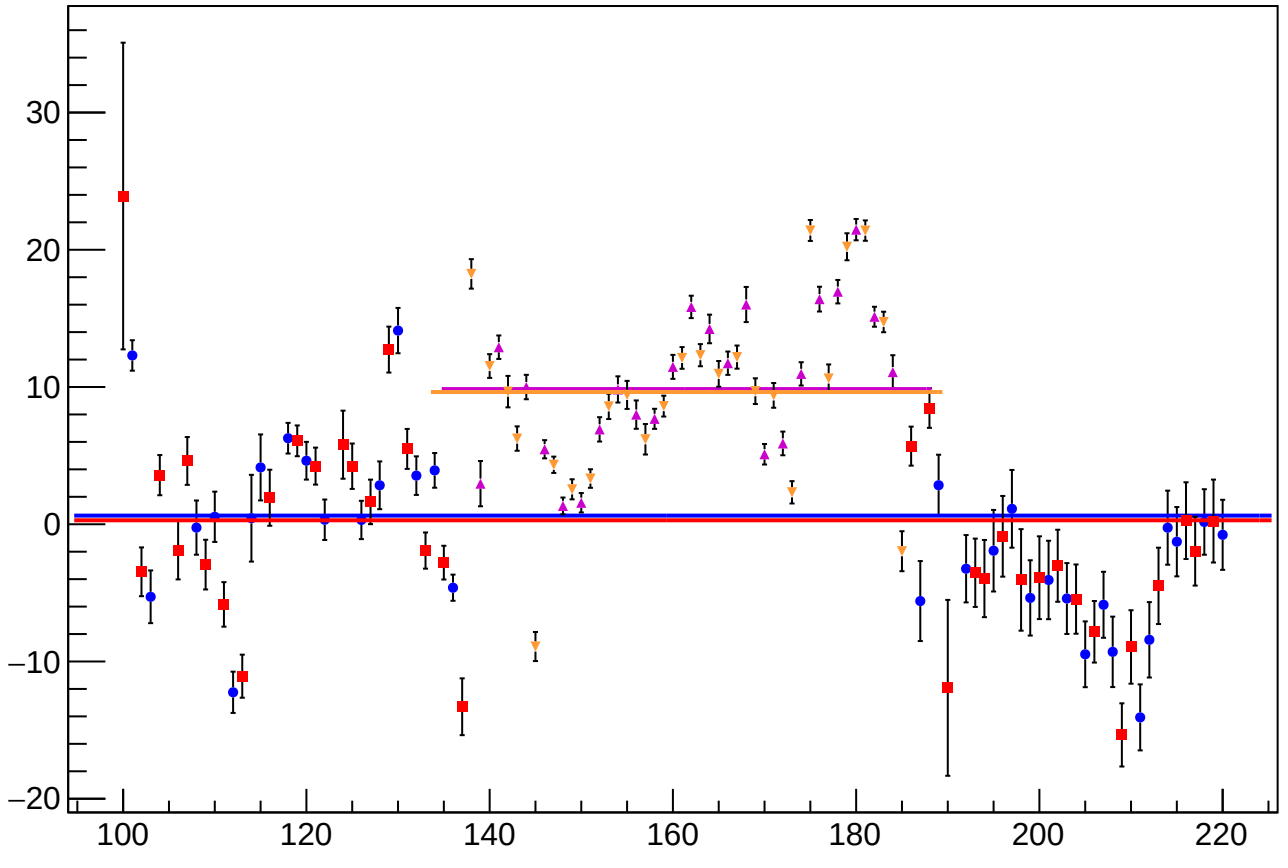
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 76.178+/-0.166 χ^2/NDF: 11208.0/68

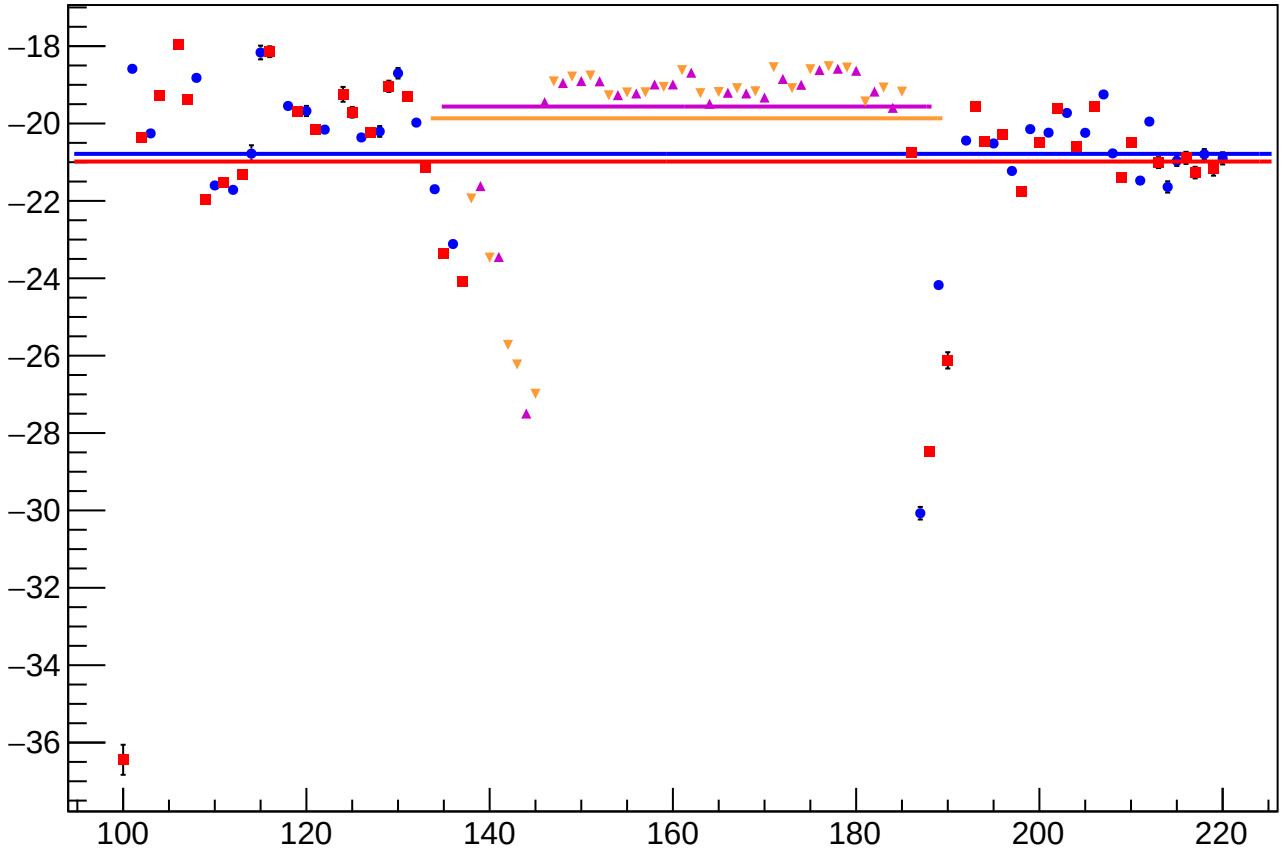
In: 64.554+/-0.156 χ^2/NDF:10718.5/55

Out: 66.576+/-0.150 χ^2/NDF:15709.7/60

All: 65.605+/-0.108 χ^2/NDF: 26515.8/116


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: 0.630+/-0.314 χ²/NDF: 450.5/32
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 0.289+/-0.314 χ²/NDF: 398.4/35
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 0.459+/-0.222 χ²/NDF: 849.5/68
In: 7.639+/-0.154 χ²/NDF:2098.9/55
Out: 7.486+/-0.150 χ²/NDF:2573.9/60
All: 7.561+/-0.108 χ²/NDF: 4673.3/116

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.784+/-0.015 χ^2/NDF: 12654.8/32

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.983+/-0.016 χ^2/NDF: 20706.6/35

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

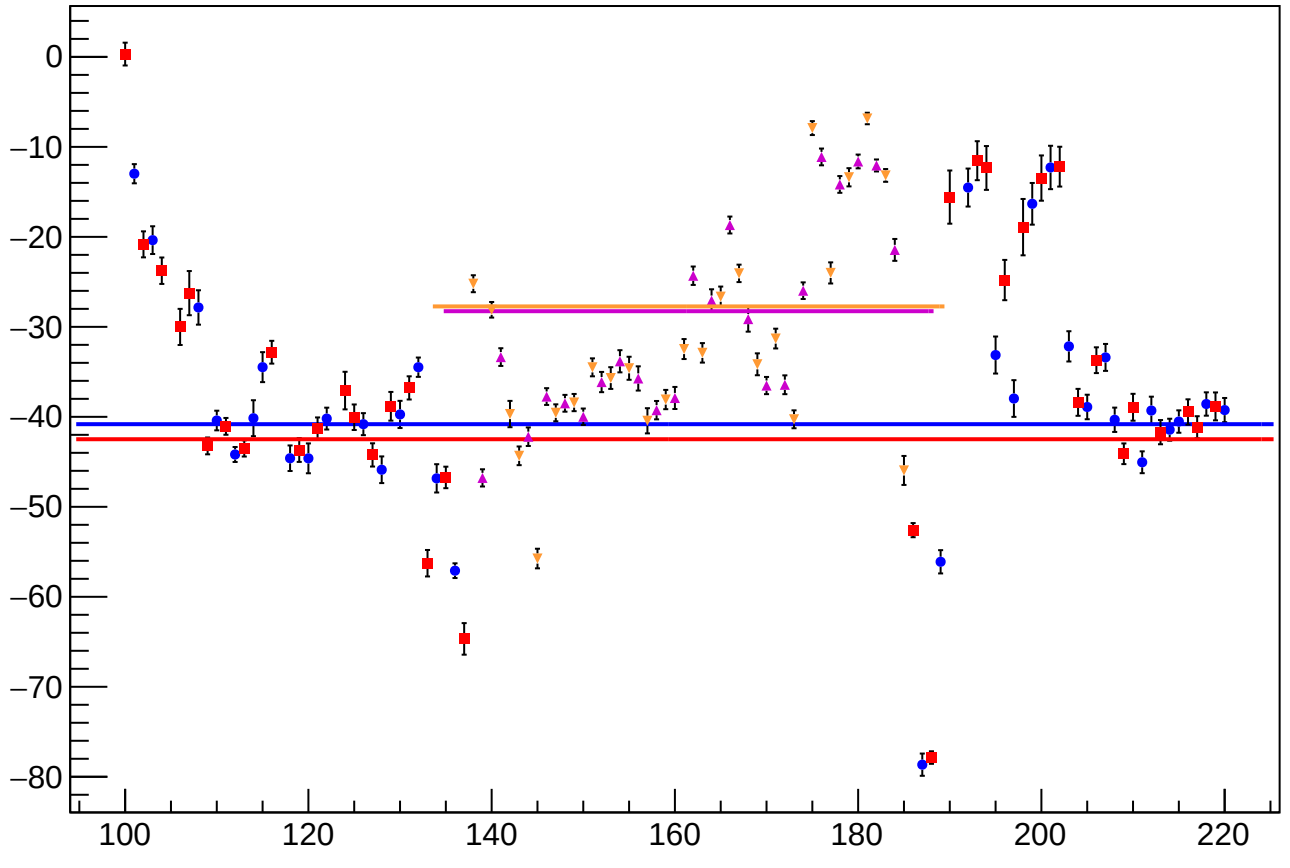
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.882+/-0.011 χ^2/NDF: 33443.3/68

In: -19.820+/-0.007 χ^2/NDF:62811.8/55

Out: -20.092+/-0.007 χ^2/NDF:103684.7/60

All: -19.957+/-0.005 χ^2/NDF: 167245.1/116



Right In: -40.816+/-0.235 χ^2/NDF: 2976.5/32

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.488+/-0.222 χ^2/NDF: 5657.8/35

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

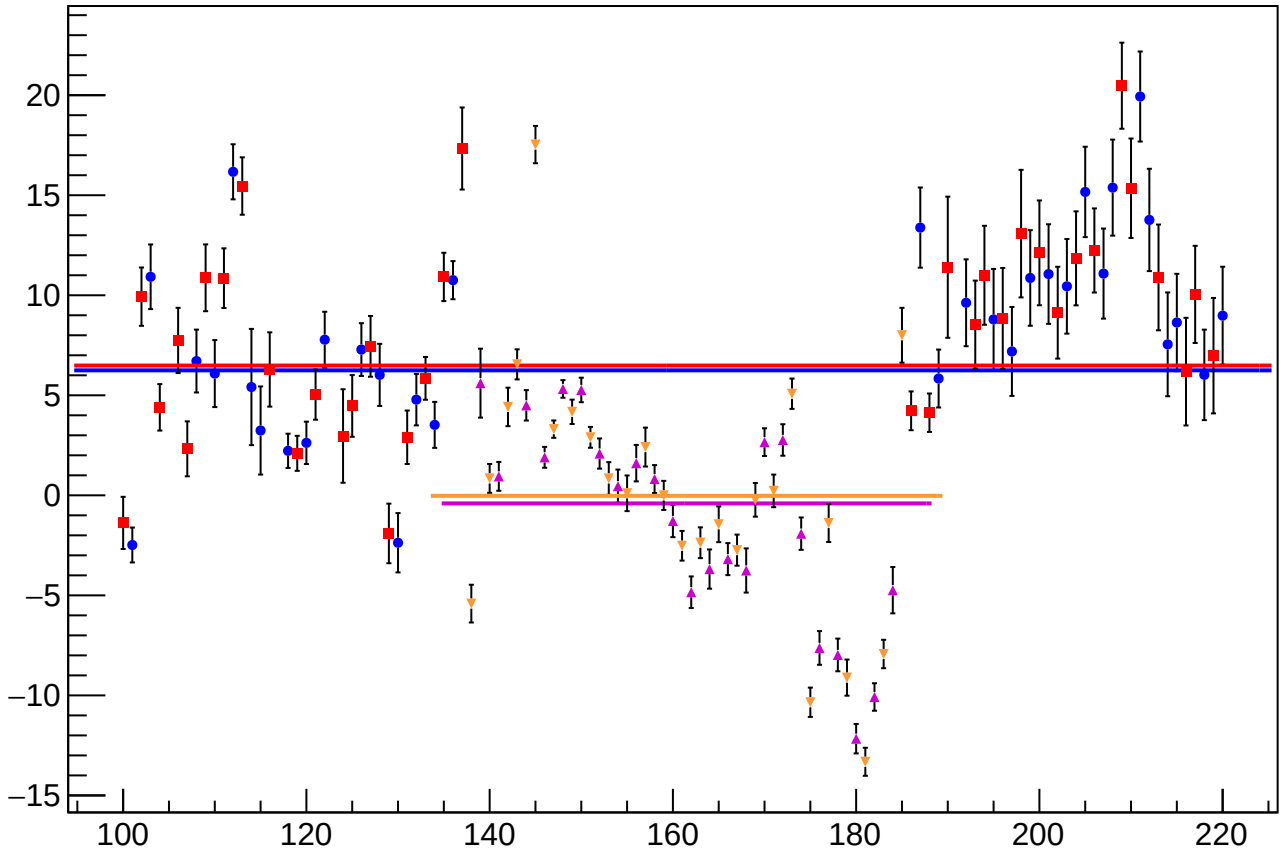
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.700+/-0.161 χ^2/NDF: 8661.1/68

In: -33.719+/-0.155 χ^2/NDF:7761.7/55

Out: -34.371+/-0.149 χ^2/NDF:12389.7/60

All: -34.058+/-0.107 χ^2/NDF: 20160.5/116



Right In: 6.248+/-0.273 χ^2/NDF: 371.0/32

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.487+/-0.261 χ^2/NDF: 322.5/35

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

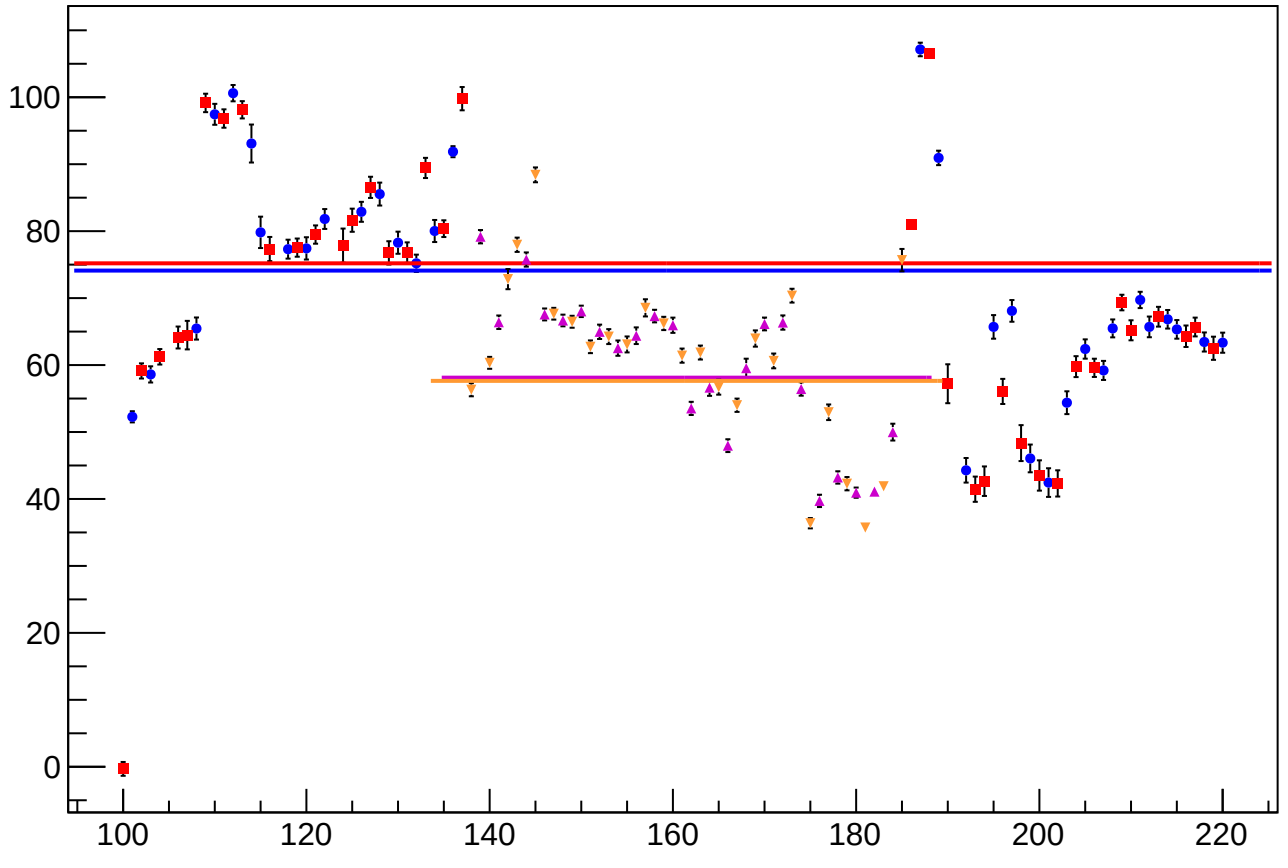
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.373+/-0.189 χ^2/NDF: 693.9/68

In: 1.223+/-0.135 χ^2/NDF:1902.9/55

Out: 1.591+/-0.130 χ^2/NDF:2320.6/60

All: 1.414+/-0.094 χ^2/NDF: 4227.4/116



Right In: 74.111+/-0.242 χ^2/NDF: 4795.5/32

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 75.196+/-0.223 χ^2/NDF: 11967.2/35

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

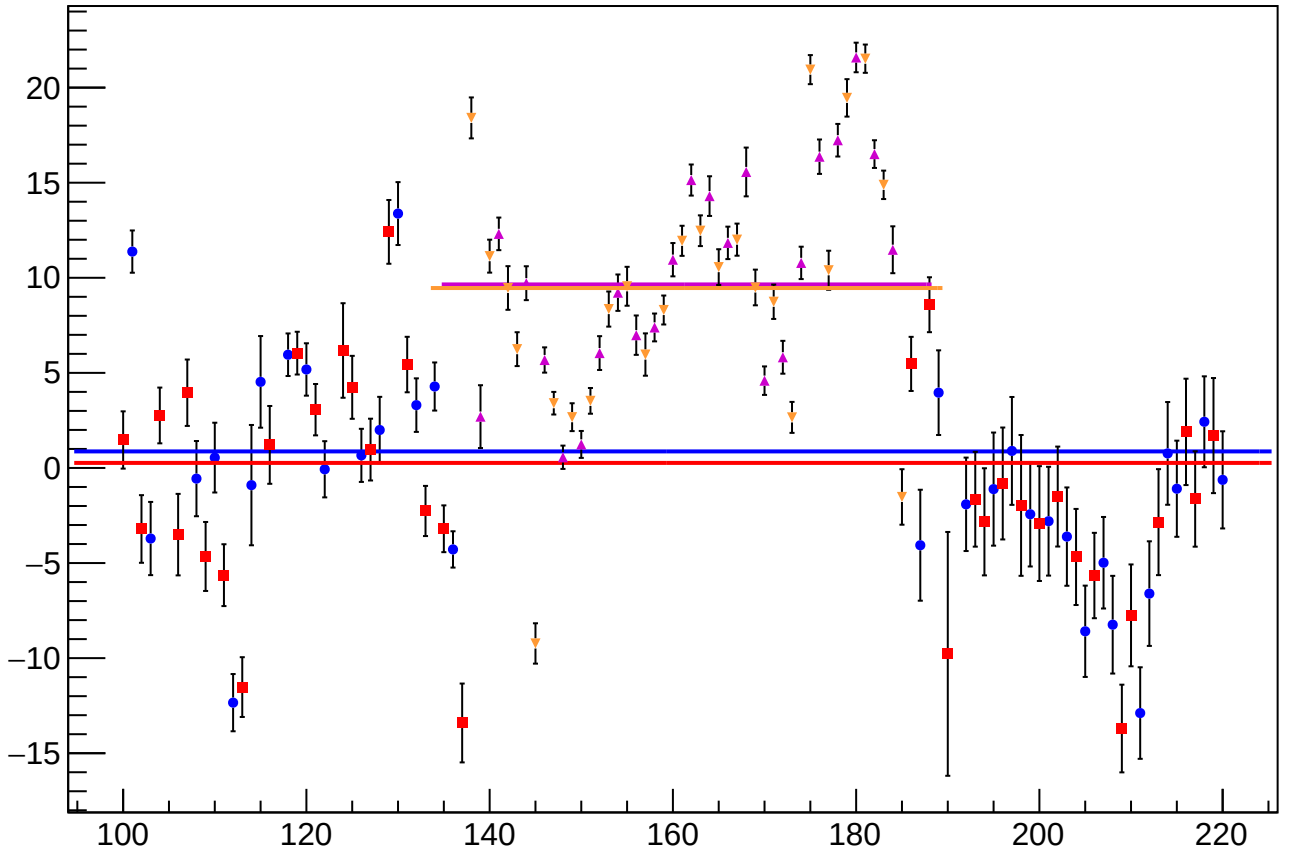
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 74.700+/-0.164 χ^2/NDF: 16773.5/68

In: 64.740+/-0.156 χ^2/NDF:10788.6/55

Out: 65.451+/-0.148 χ^2/NDF:20034.6/60

All: 65.113+/-0.108 χ^2/NDF: 30834.1/116



Right In: 0.870+/-0.314 χ^2/NDF: 391.2/32

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.266+/-0.308 χ^2/NDF: 366.1/35

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

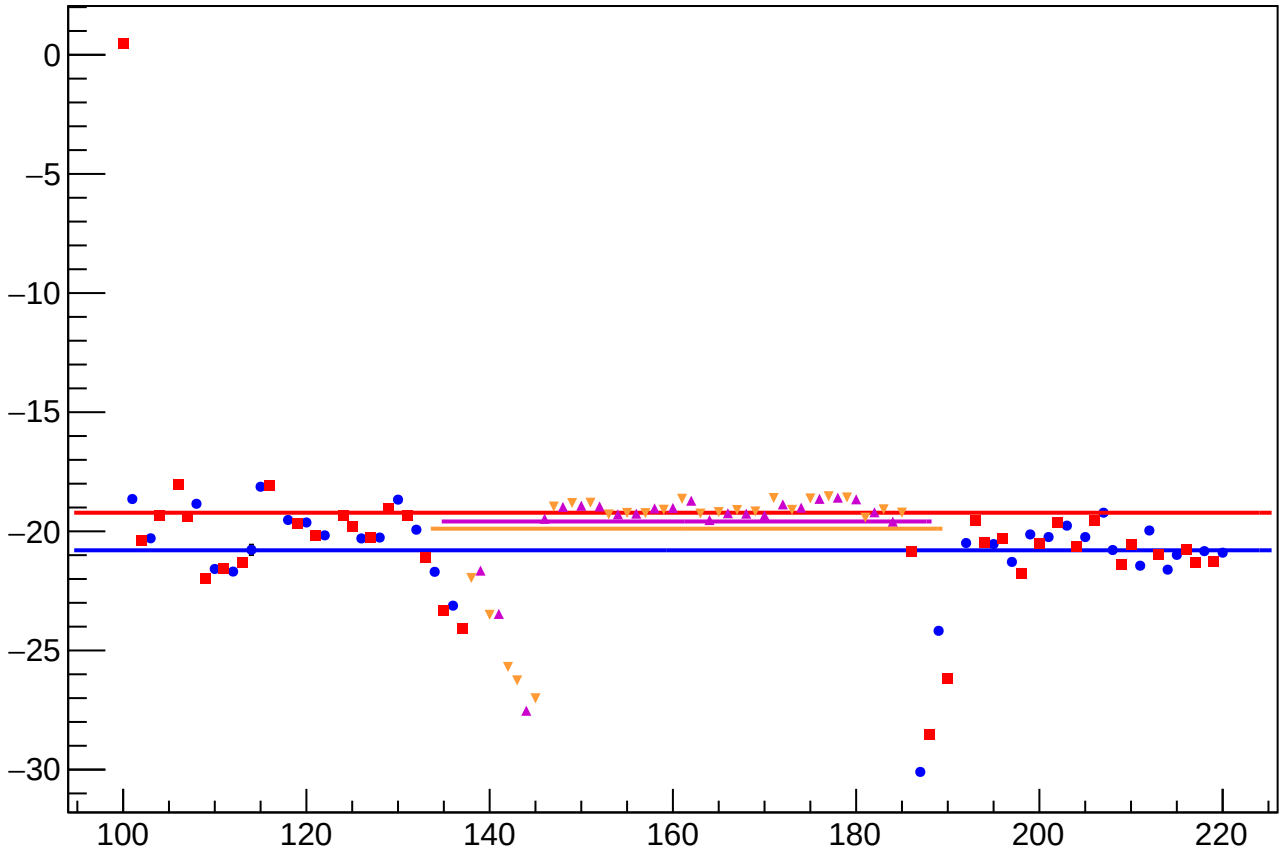
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 0.561+/-0.220 χ^2/NDF: 759.2/68

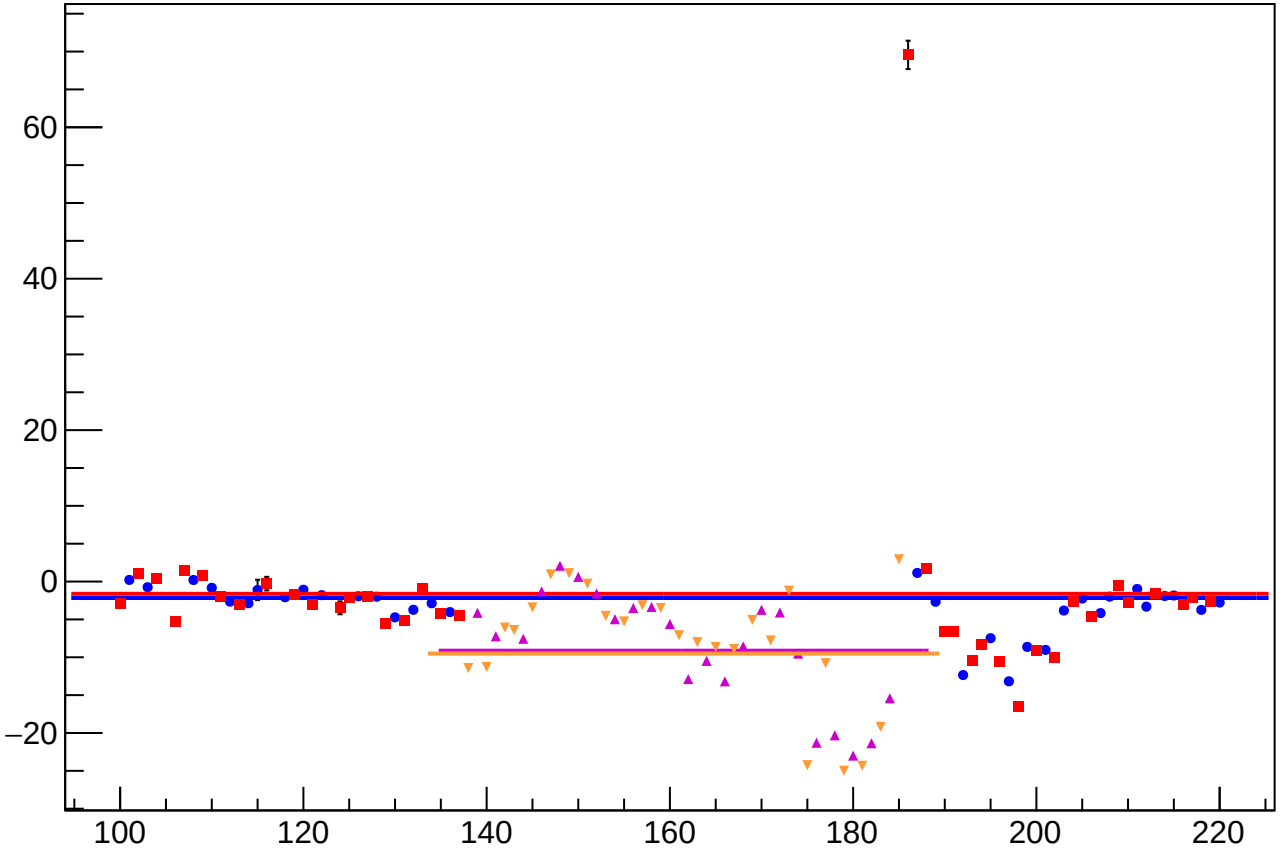
In: 7.544+/-0.154 χ^2/NDF:2062.5/55

Out: 7.278+/-0.150 χ^2/NDF:2530.6/60

All: 7.407+/-0.107 χ^2/NDF: 4594.6/116


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
220
Right In: -20.796+/-0.015 χ²/NDF: 12535.7/32
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.219+/-0.015 χ²/NDF: 173067.6/35
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.986+/-0.011 χ²/NDF: 190987.0/68
In: -19.842+/-0.007 χ²/NDF:62484.9/55
Out: -19.744+/-0.007 χ²/NDF:253145.3/60
All: -19.792+/-0.005 χ²/NDF: 315727.1/116

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.171+/-0.046 χ^2/NDF: 3396.4/32

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.619+/-0.043 χ^2/NDF: 6999.3/36

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

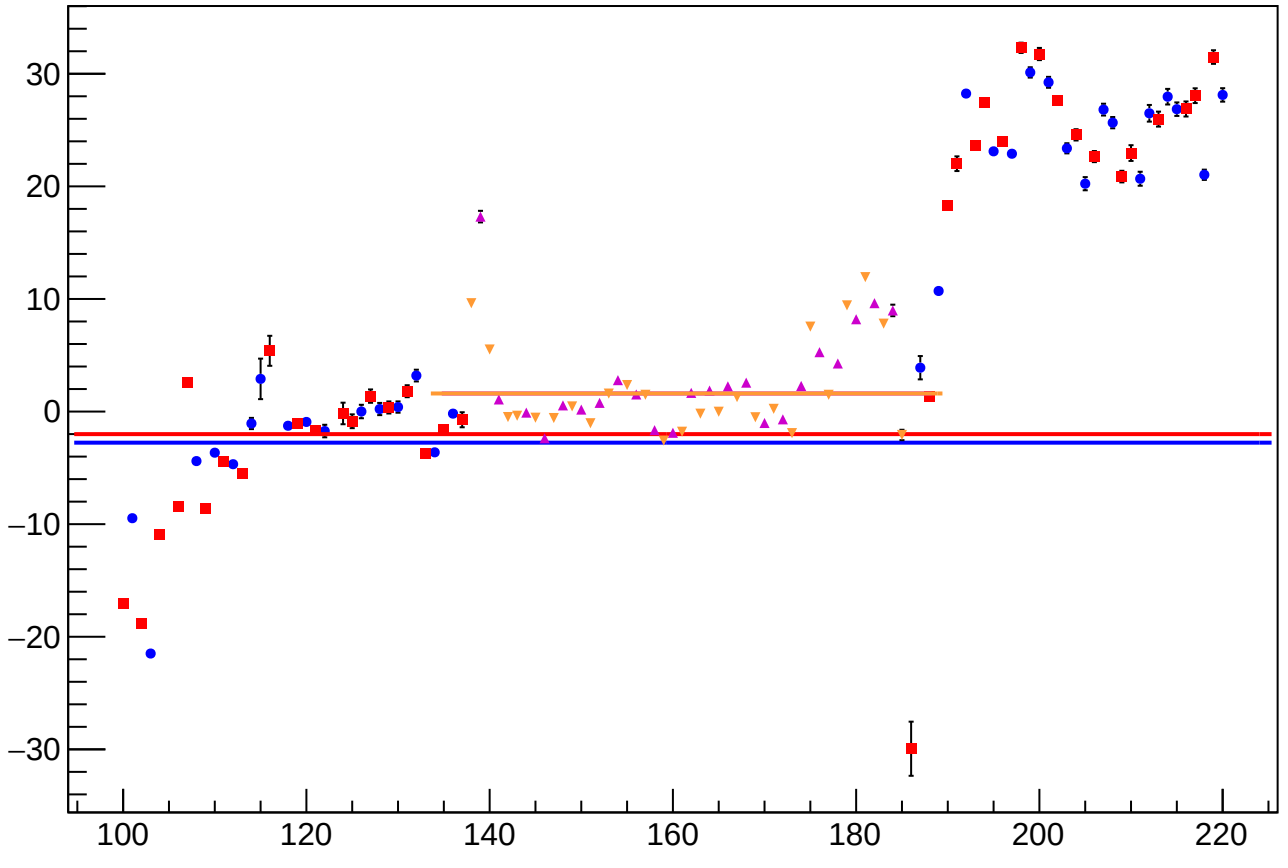
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.877+/-0.032 χ^2/NDF: 10472.0/69

In: -4.090+/-0.039 χ^2/NDF:20062.6/55

Out: -3.685+/-0.037 χ^2/NDF:28632.9/61

All: -3.876+/-0.027 χ^2/NDF: 48751.5/117



Right In: -2.762+/-0.051 χ^2/NDF: 74635.3/32

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.004+/-0.051 χ^2/NDF: 75801.2/36

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

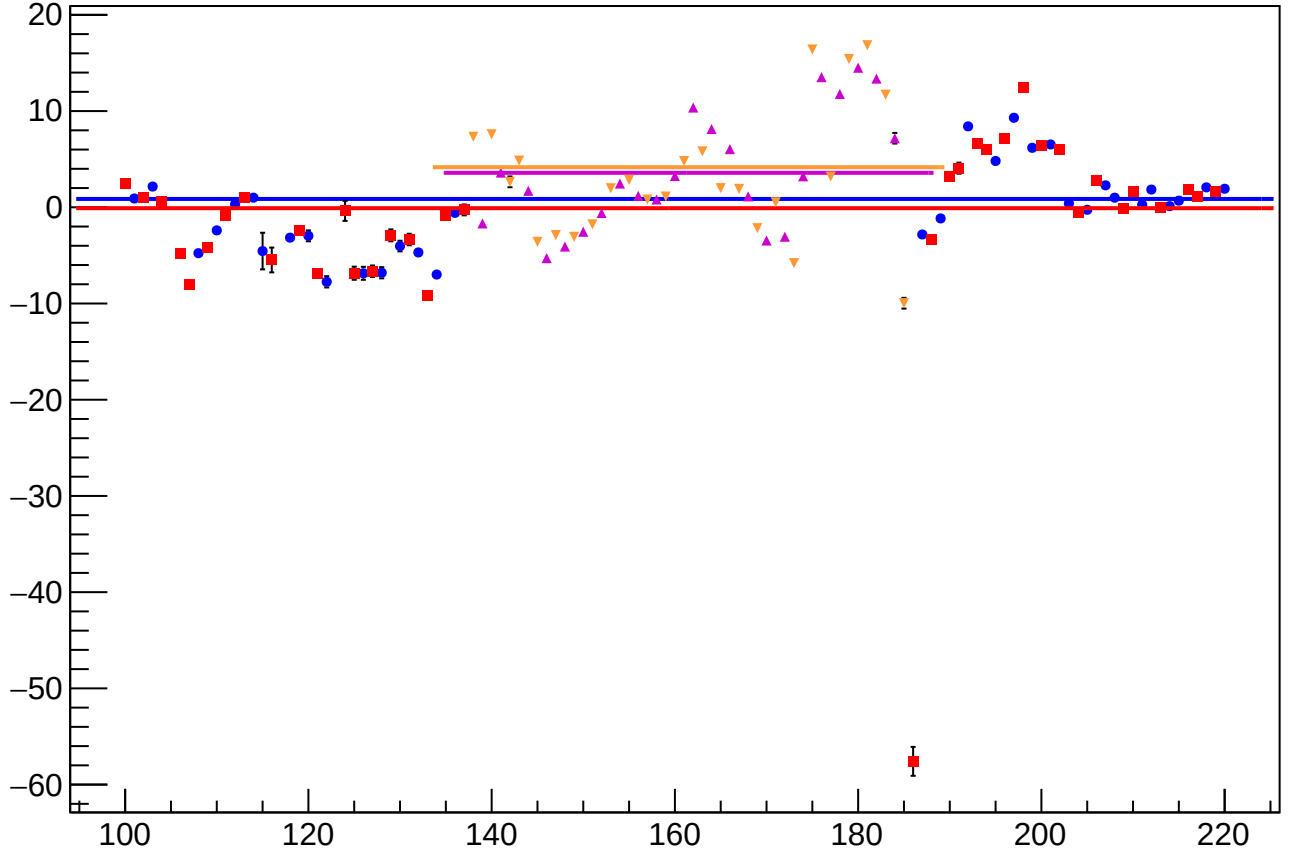
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -2.381+/-0.036 χ^2/NDF: 150545.7/69

In: -0.825+/-0.038 χ^2/NDF:81482.4/55

Out: -0.335+/-0.038 χ^2/NDF:82779.2/61

All: -0.574+/-0.027 χ^2/NDF: 164345.1/117



Right In: 0.869+/-0.045 χ^2/NDF: 4208.5/32

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.093+/-0.044 χ^2/NDF: 8287.5/36

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

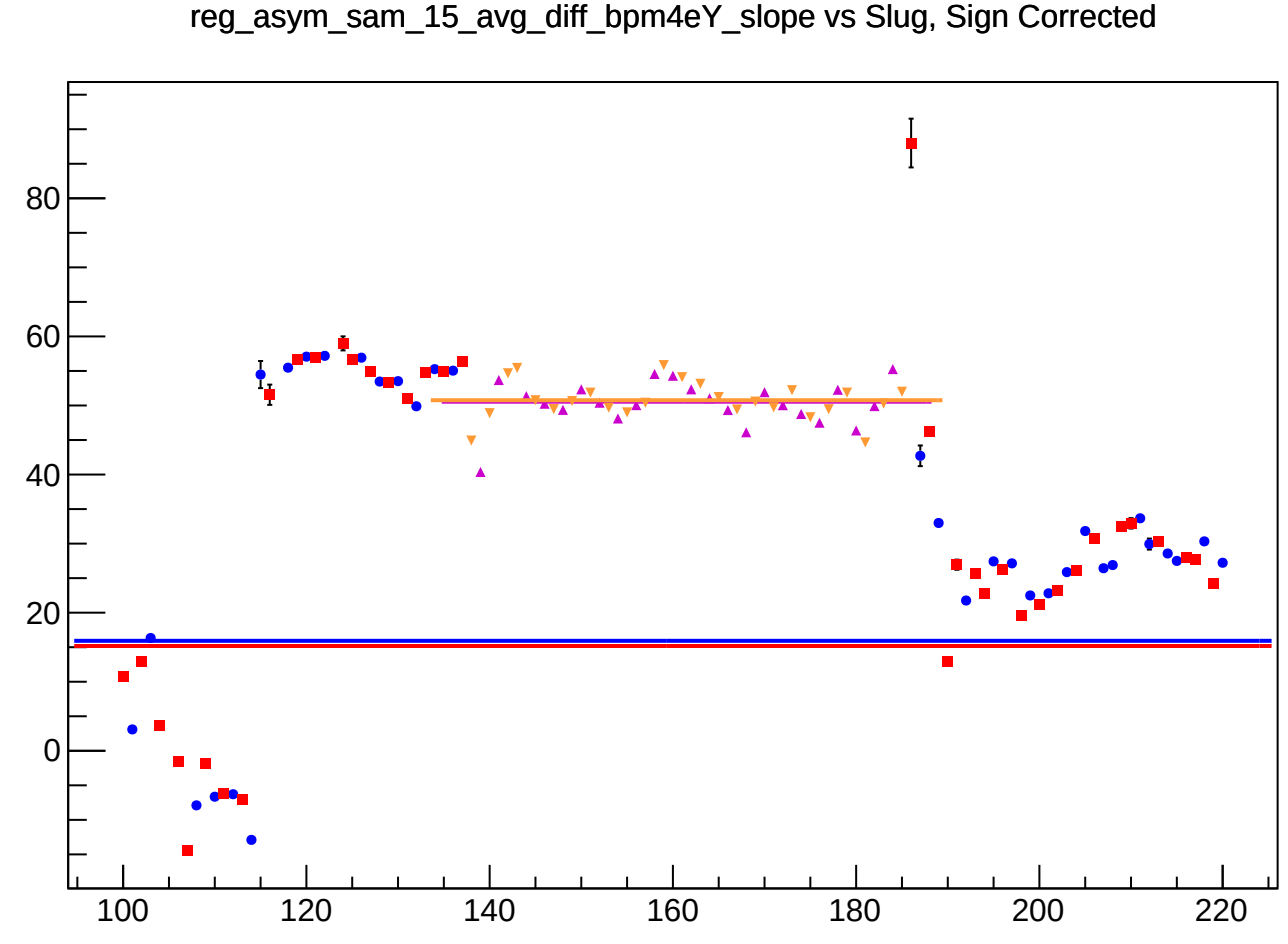
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.378+/-0.031 χ^2/NDF: 12730.7/69

In: 1.599+/-0.038 χ^2/NDF:12422.3/55

Out: 1.060+/-0.038 χ^2/NDF:20079.9/61

All: 1.323+/-0.027 χ^2/NDF: 32603.2/117



Right In: 15.927+/-0.061 χ^2/NDF: 117816.3/32

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 15.177+/-0.060 χ^2/NDF: 133770.9/36

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

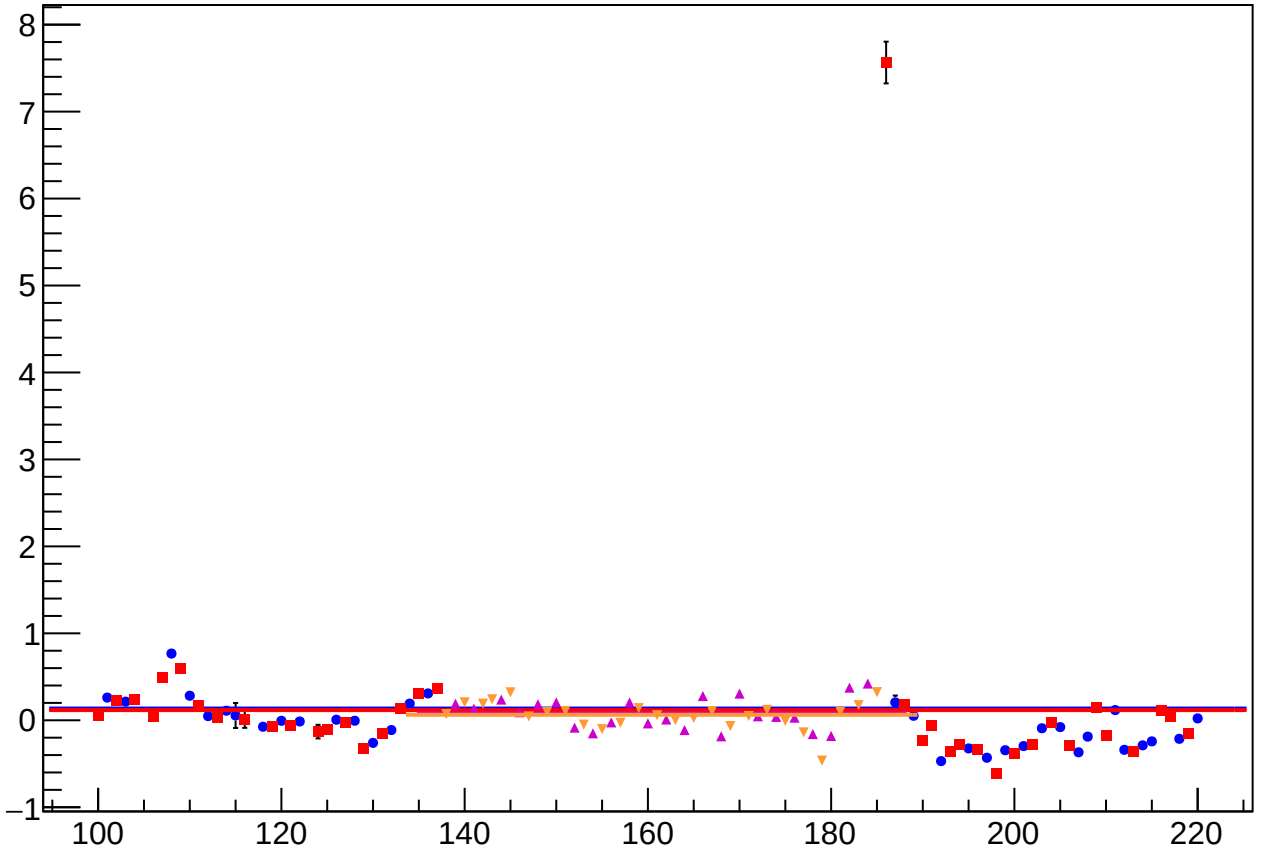
Right: 15.549+/-0.043 χ^2/NDF: 251663.5/69

In: 32.159+/-0.044 χ^2/NDF:271322.0/55

Out: 32.387+/-0.043 χ^2/NDF:303231.8/61

All: 32.275+/-0.031 χ^2/NDF: 574567.2/117

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.135+/-0.002 χ^2/NDF: 14100.0/32

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.117+/-0.002 χ^2/NDF: 13259.4/36

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

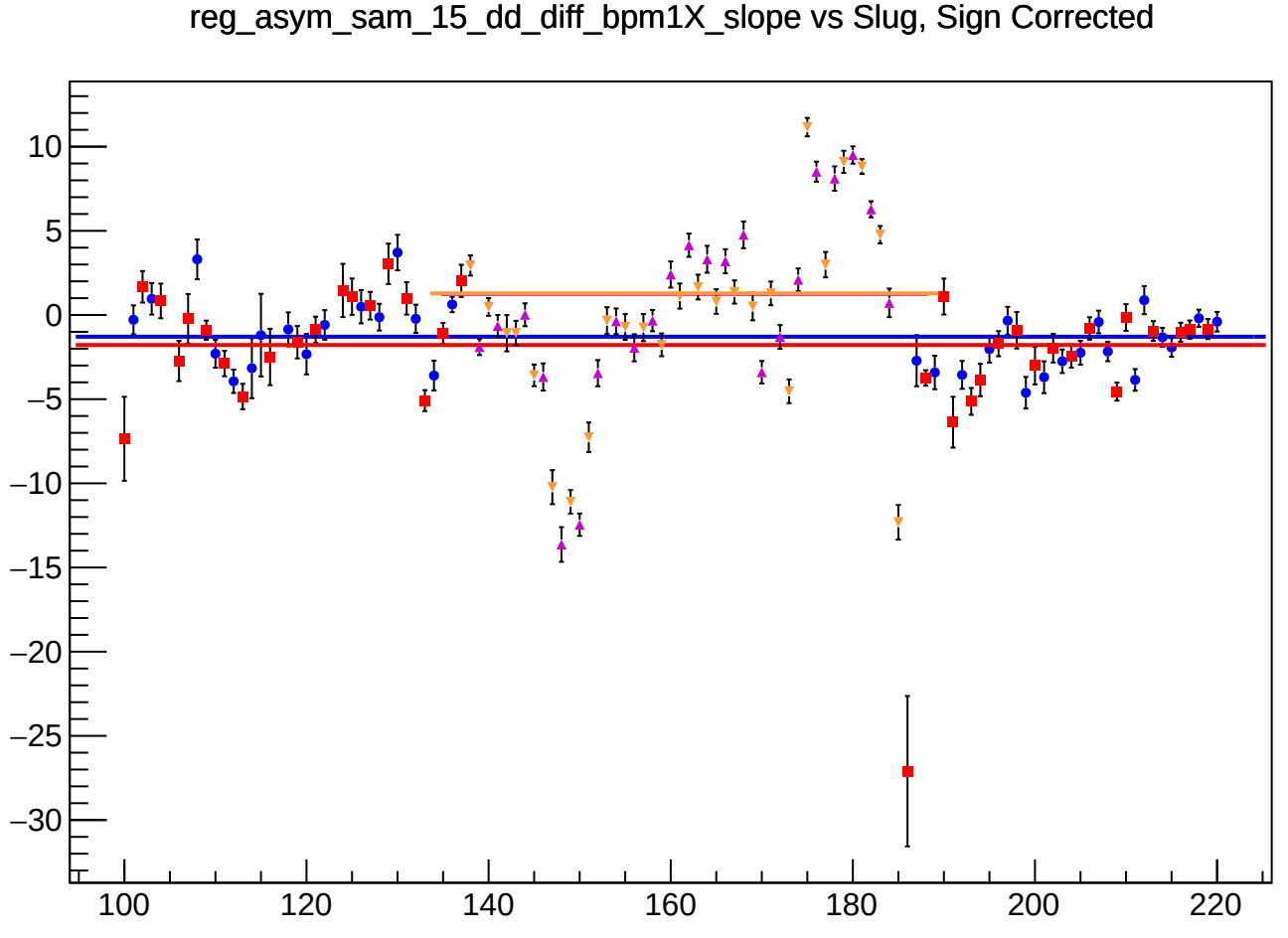
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.126+/-0.002 χ^2/NDF: 27387.2/69

In: 0.112+/-0.002 χ^2/NDF:17767.0/55

Out: 0.095+/-0.002 χ^2/NDF:16041.7/61

All: 0.103+/-0.001 χ^2/NDF: 33851.5/117



Right In: -1.290+/-0.134 χ^2/NDF: 170.4/32

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.782+/-0.130 χ^2/NDF: 272.4/36

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

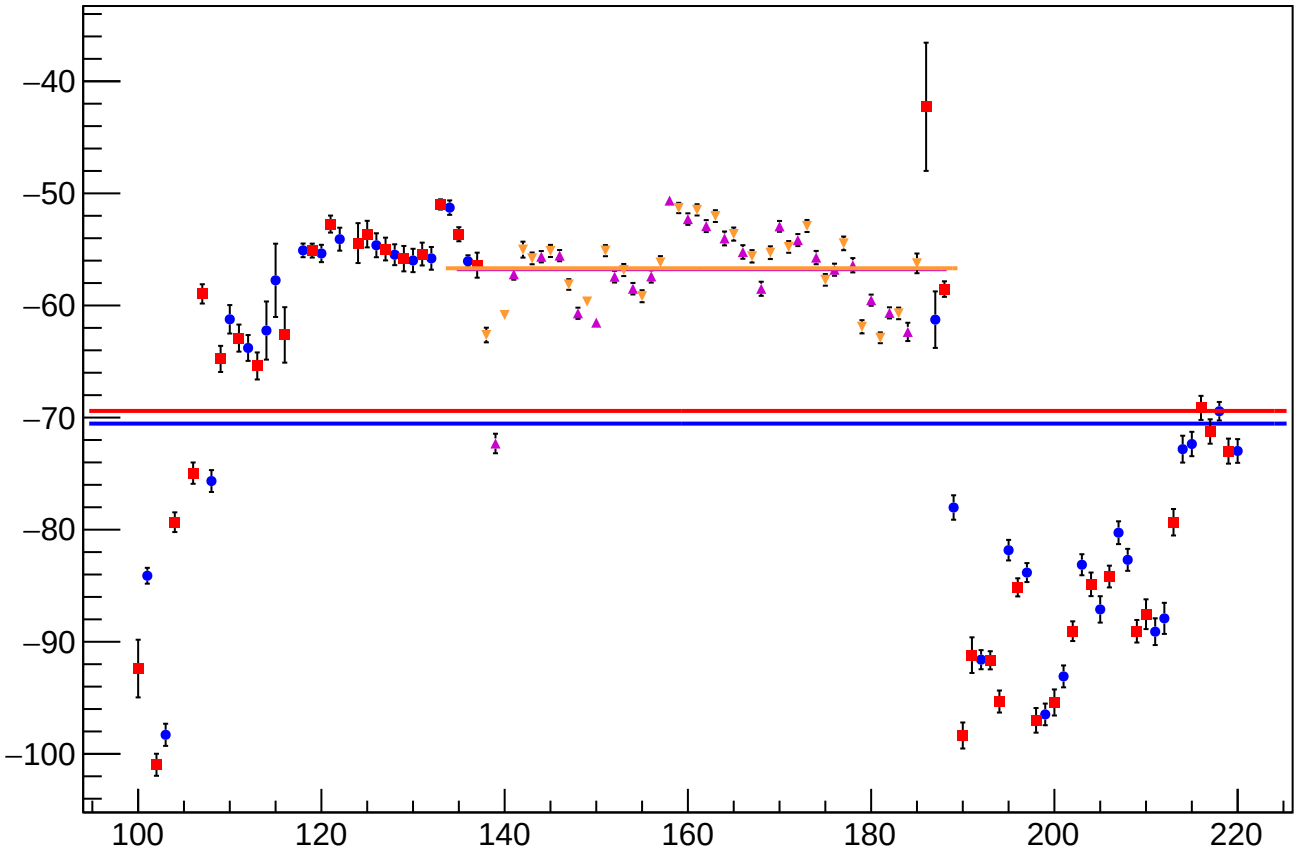
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.544+/-0.093 χ^2/NDF: 449.7/69

In: -0.082+/-0.097 χ^2/NDF:1853.7/55

Out: -0.329+/-0.094 χ^2/NDF:2251.4/61

All: -0.209+/-0.068 χ^2/NDF: 4108.4/117



Right In: -70.539+/-0.165 χ^2/NDF: 8462.8/32

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.406+/-0.157 χ^2/NDF: 11310.5/36

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

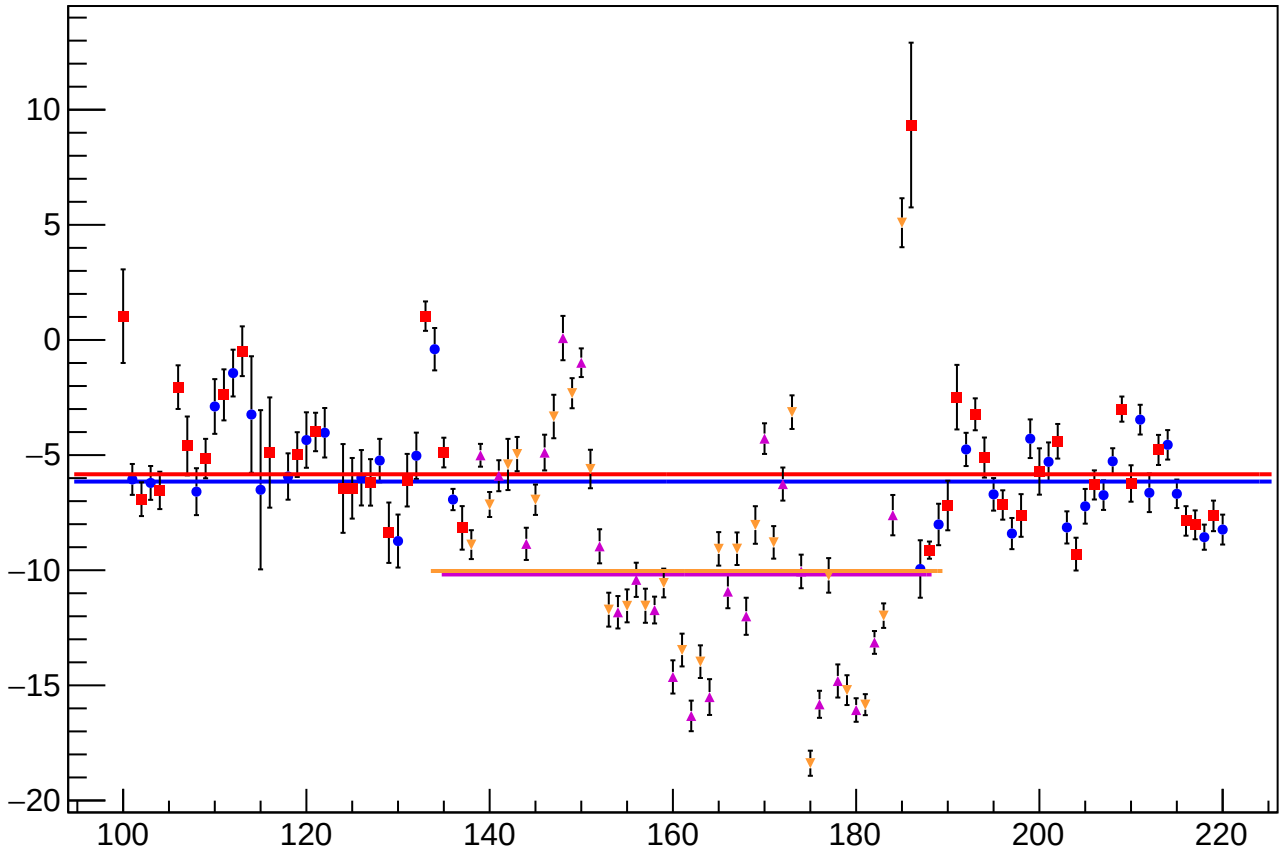
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.947+/-0.114 χ^2/NDF: 19798.0/69

In: -61.122+/-0.093 χ^2/NDF:14358.6/55

Out: -60.714+/-0.089 χ^2/NDF:16790.6/61

All: -60.909+/-0.064 χ^2/NDF: 31159.3/117



Right In: -6.150+/-0.136 χ^2/NDF: 188.8/32

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.833+/-0.132 χ^2/NDF: 413.2/36

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

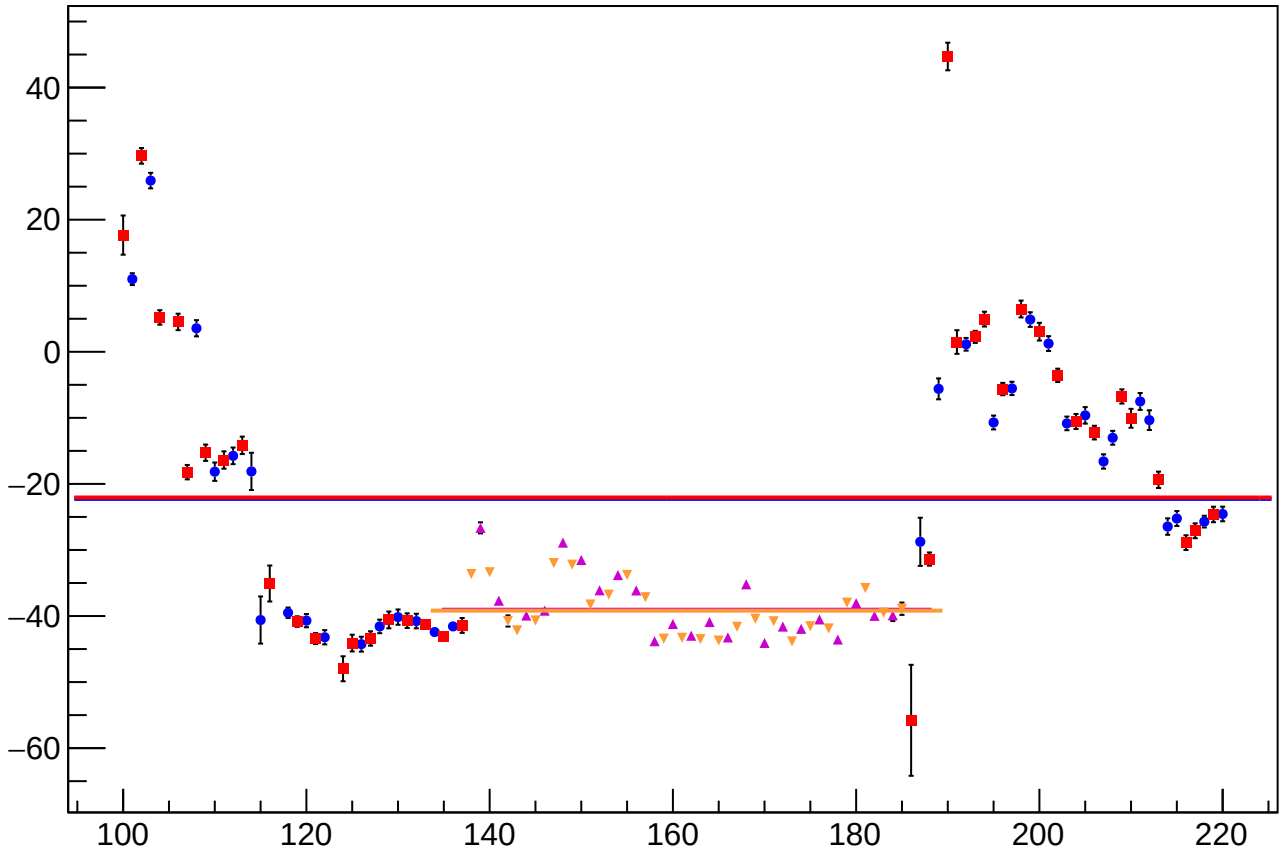
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.986+/-0.095 χ^2/NDF: 604.7/69

In: -8.128+/-0.097 χ^2/NDF:1759.9/55

Out: -7.863+/-0.095 χ^2/NDF:2087.1/61

All: -7.992+/-0.068 χ^2/NDF: 3850.8/117



Right In: -22.265+/-0.186 χ^2/NDF: 10756.0/32

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.058+/-0.181 χ^2/NDF: 13014.3/36

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

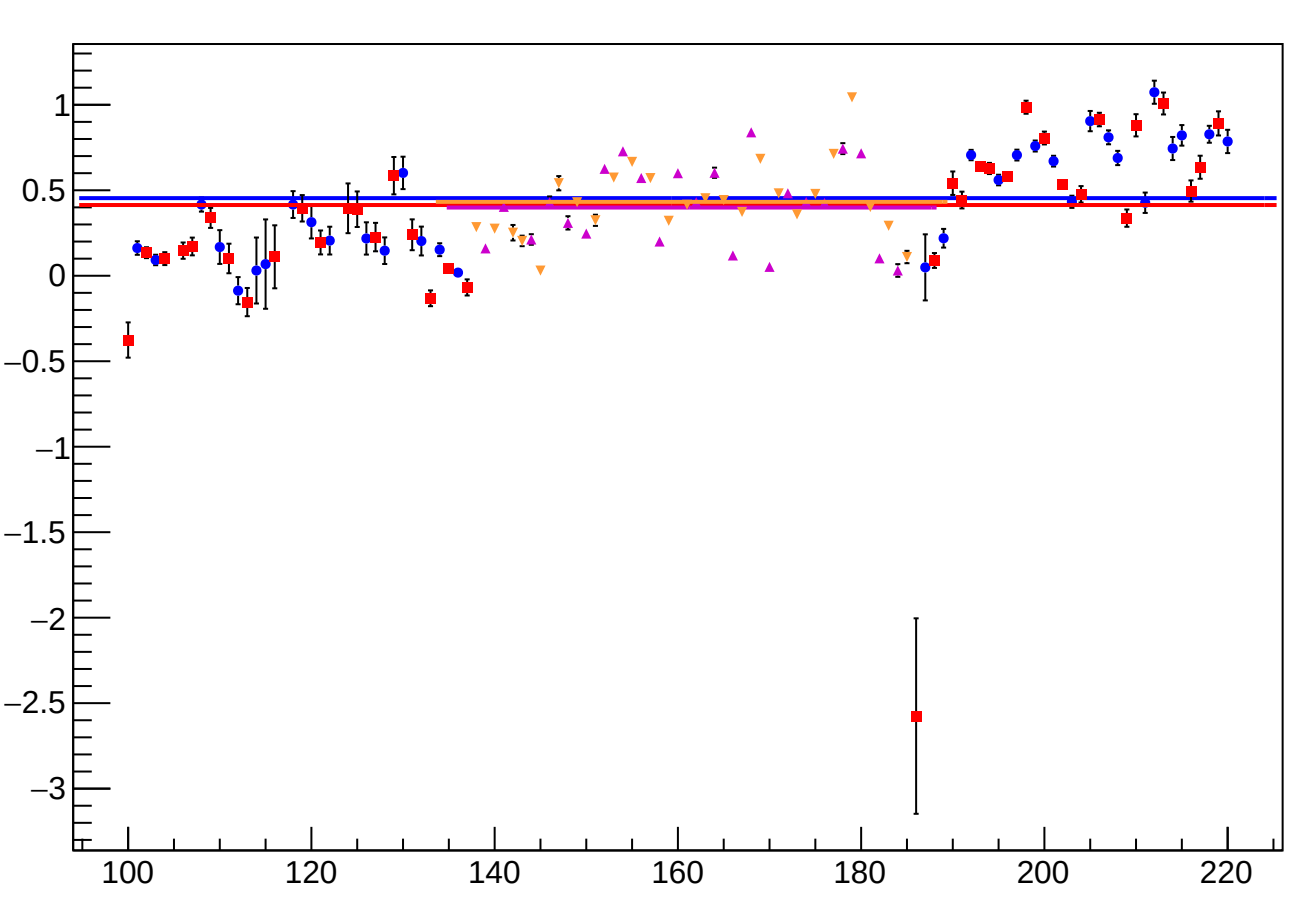
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -22.158+/-0.130 χ^2/NDF: 23770.9/69

In: -33.852+/-0.103 χ^2/NDF:17625.7/55

Out: -33.950+/-0.100 χ^2/NDF:20271.3/61

All: -33.903+/-0.072 χ^2/NDF: 37897.4/117



Right In: 0.454+/-0.008 χ^2/NDF: 1462.8/32

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.414+/-0.008 χ^2/NDF: 1744.2/36

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

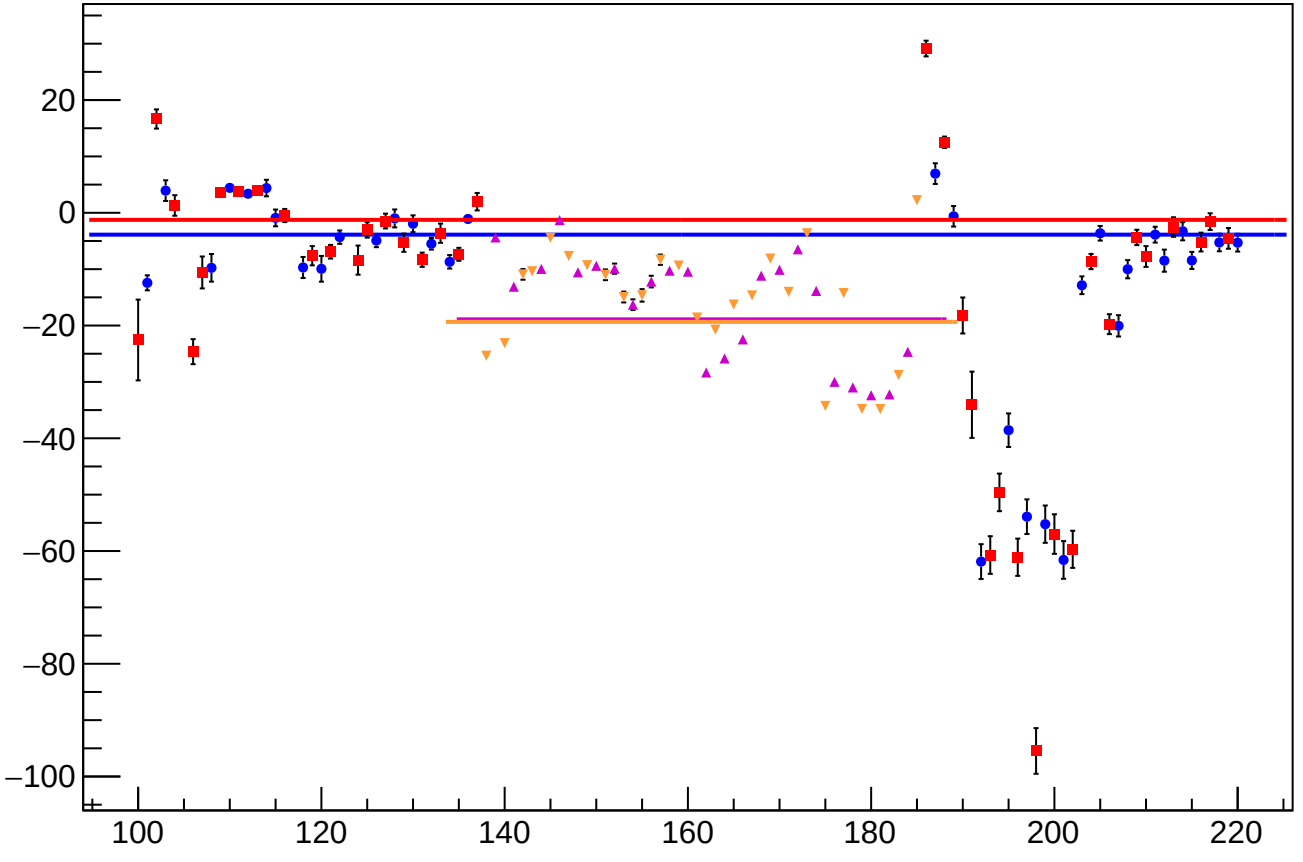
Right: 0.434+/-0.006 χ^2/NDF: 3220.0/69

In: 0.416+/-0.004 χ^2/NDF:3419.6/55

Out: 0.426+/-0.004 χ^2/NDF:3116.7/61

All: 0.421+/-0.003 χ^2/NDF: 6539.1/117

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.878+/-0.237 χ^2/NDF: 1895.9/32

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.249+/-0.227 χ^2/NDF: 3403.5/36

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

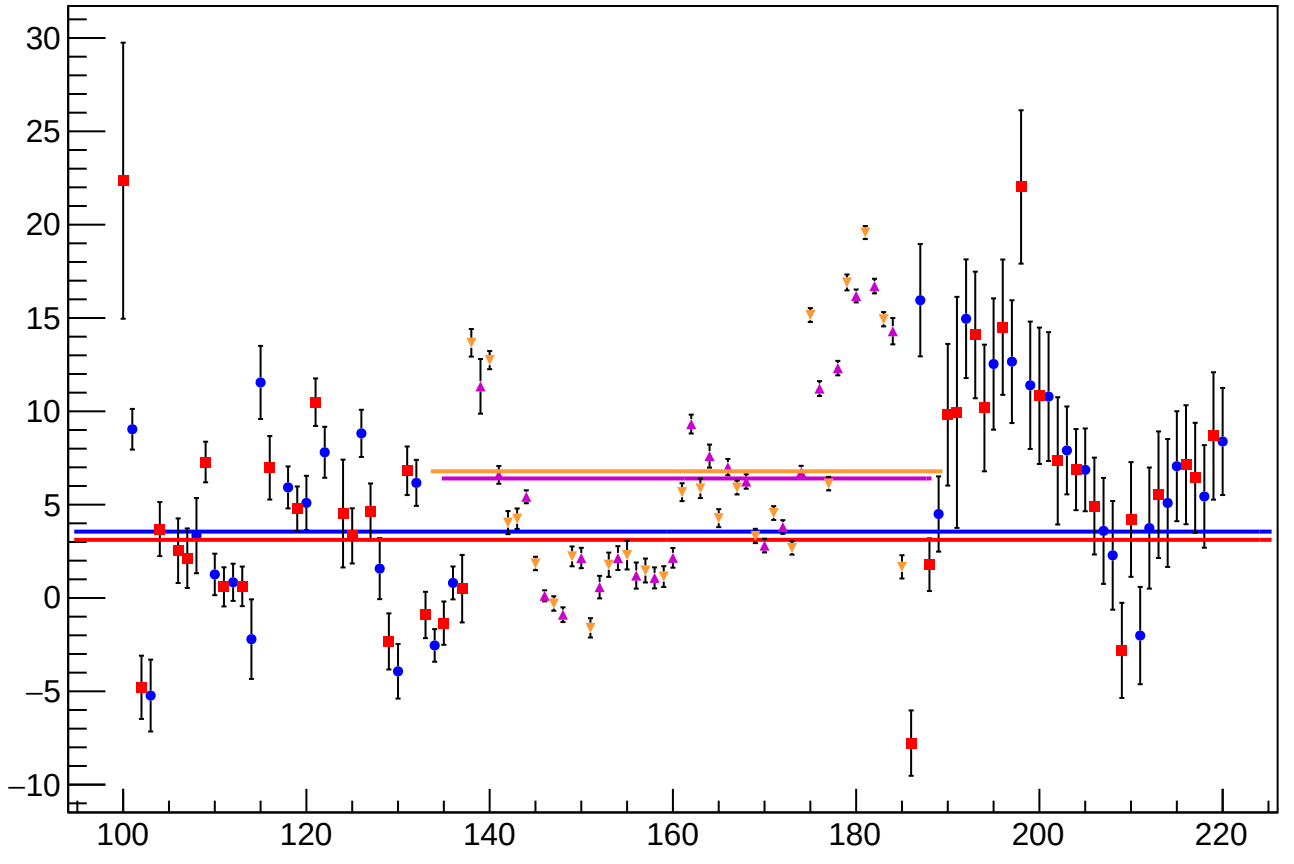
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

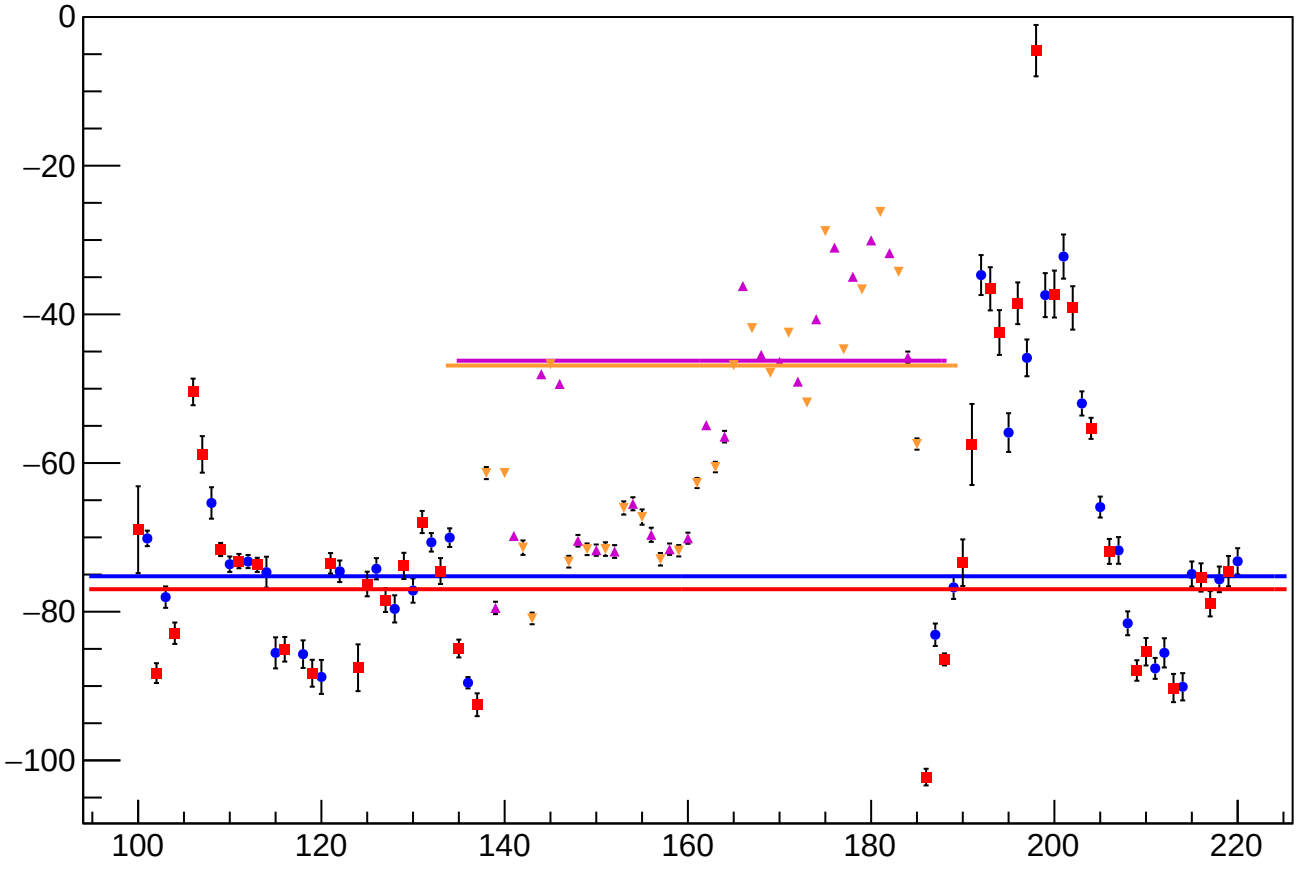
Right: -2.509+/-0.164 χ^2/NDF: 5363.6/69

In: -15.985+/-0.104 χ^2/NDF:13431.5/55

Out: -15.735+/-0.101 χ^2/NDF:18885.1/61

All: -15.856+/-0.073 χ^2/NDF: 32319.5/117


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
220
Right In: 3.556+/-0.285 χ²/NDF: 274.3/32
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 3.116+/-0.288 χ²/NDF: 256.5/36
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.338+/-0.203 χ²/NDF: 532.0/69
In: 6.140+/-0.087 χ²/NDF:3775.2/55
Out: 6.461+/-0.086 χ²/NDF:5036.8/61
All: 6.302+/-0.061 χ²/NDF: 8818.9/117



Right In: -75.231+/-0.262 χ^2/NDF: 1801.0/32

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.972+/-0.257 χ^2/NDF: 3014.1/36

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

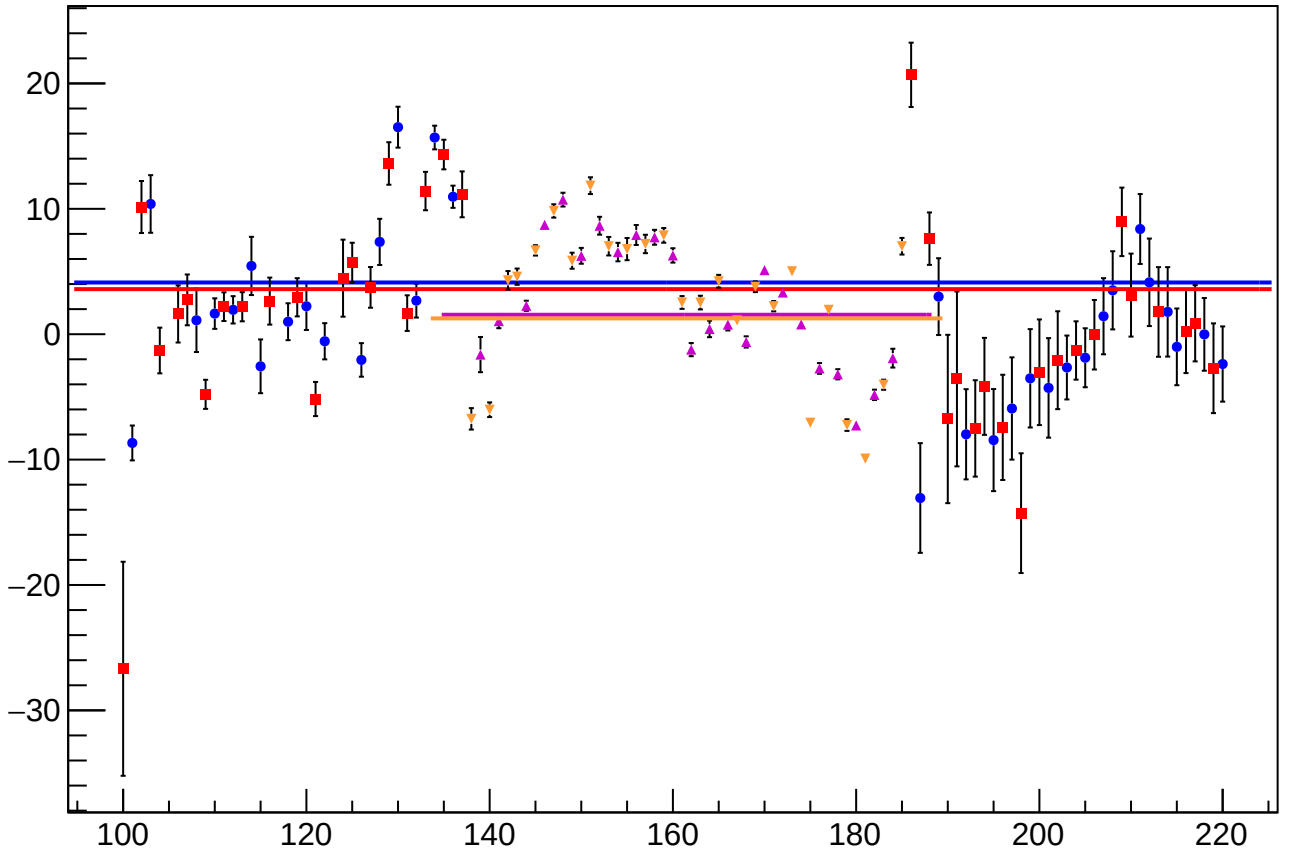
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

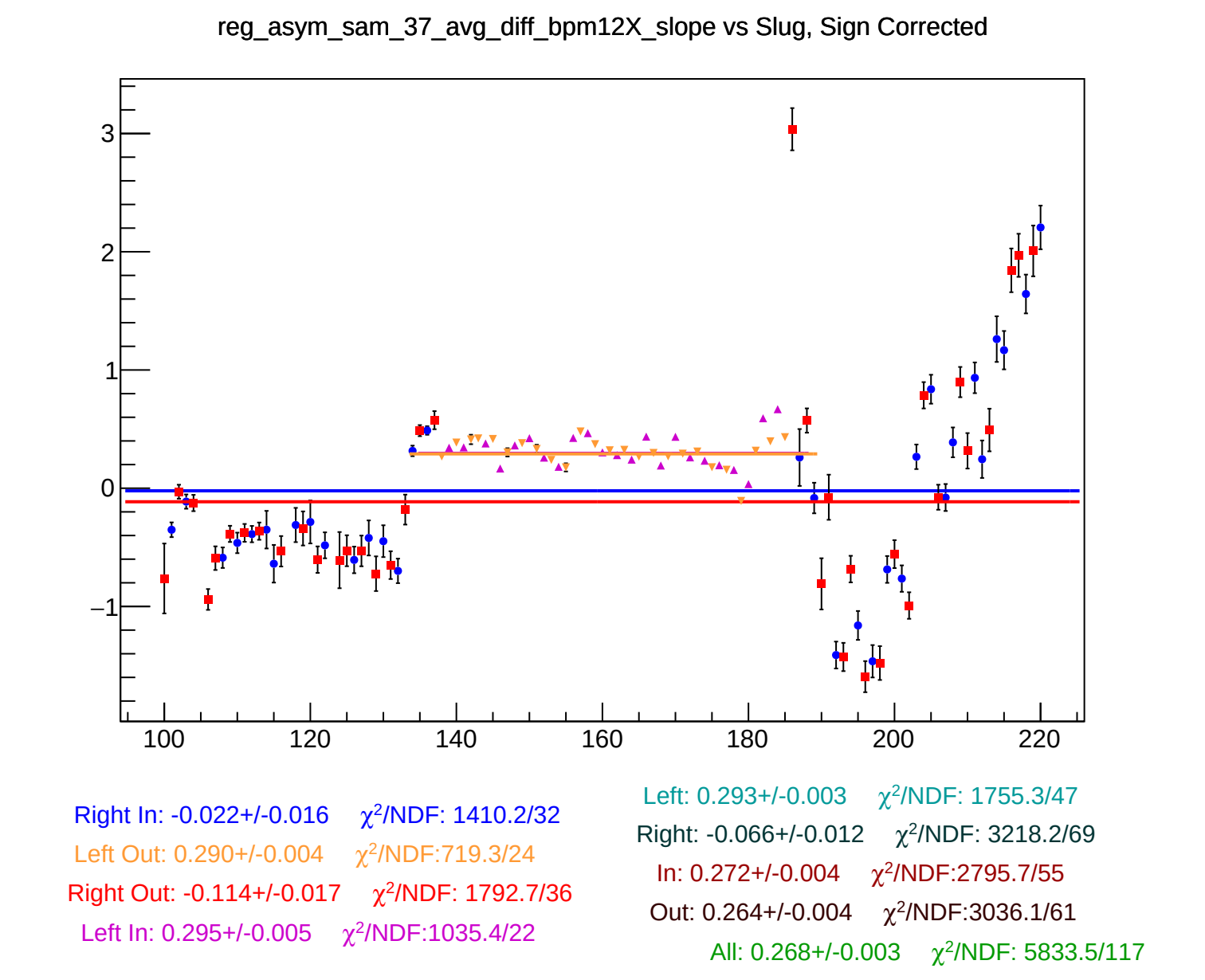
Right: -76.120+/-0.183 χ^2/NDF: 4837.6/69

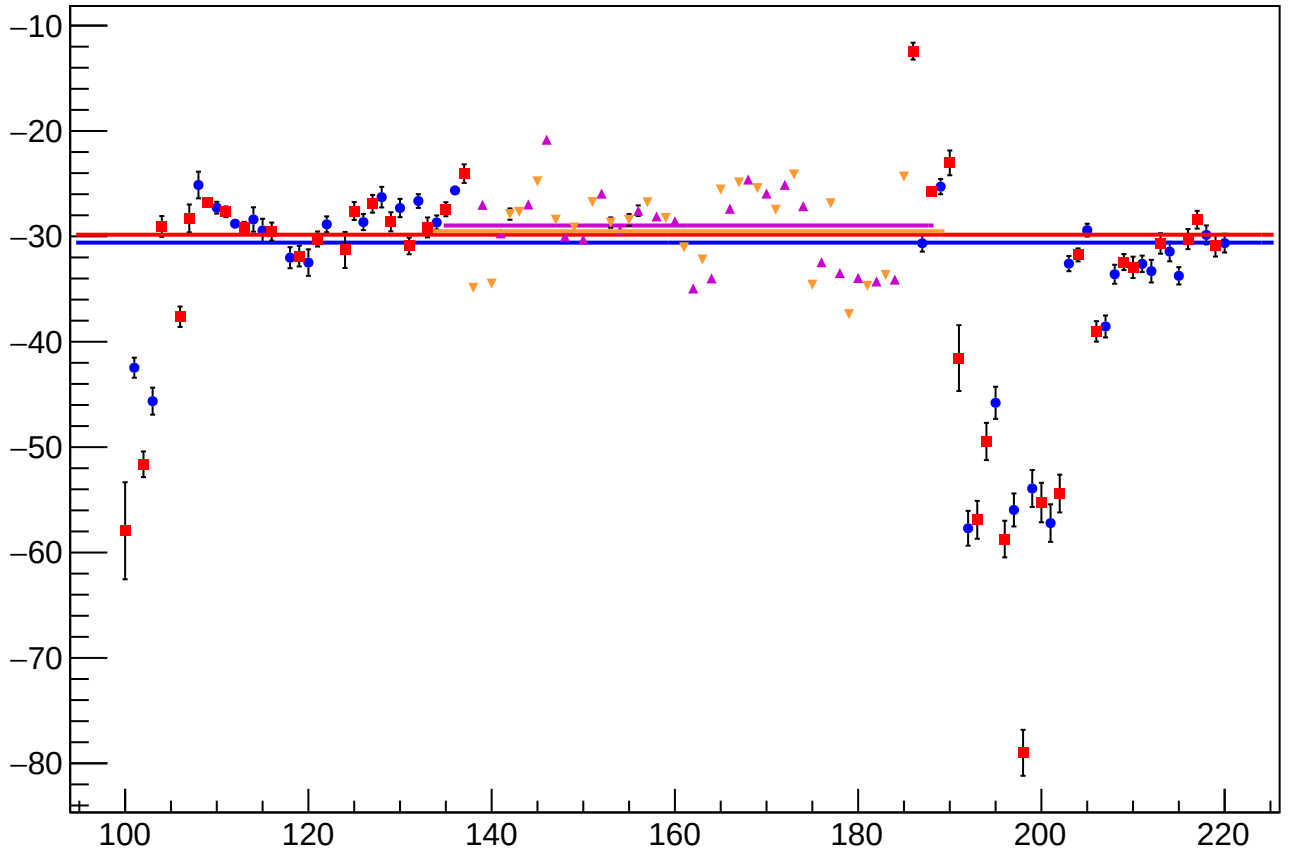
In: -51.003+/-0.106 χ^2/NDF:27207.1/55

Out: -51.838+/-0.104 χ^2/NDF:32481.4/61

All: -51.429+/-0.074 χ^2/NDF: 59720.0/117


reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: 4.125+/-0.319 χ²/NDF: 498.2/32
Left Out: 1.261+/-0.100 χ²/NDF:3445.7/24
Right Out: 3.595+/-0.327 χ²/NDF: 396.7/36
Left In: 1.551+/-0.102 χ²/NDF:2335.7/22
Left: 1.404+/-0.072 χ²/NDF: 5785.4/47
Right: 3.867+/-0.228 χ²/NDF: 896.3/69
In: 1.790+/-0.097 χ²/NDF:2893.0/55
Out: 1.462+/-0.096 χ²/NDF:3888.8/61
All: 1.624+/-0.068 χ²/NDF: 6787.6/117


reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: -0.022+/-0.016 χ²/NDF: 1410.2/32
Left Out: 0.290+/-0.004 χ²/NDF:719.3/24
Right Out: -0.114+/-0.017 χ²/NDF: 1792.7/36
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.066+/-0.012 χ²/NDF: 3218.2/69
In: 0.272+/-0.004 χ²/NDF:2795.7/55
Out: 0.264+/-0.004 χ²/NDF:3036.1/61
All: 0.268+/-0.003 χ²/NDF: 5833.5/117



Right In: -30.594+/-0.143 χ^2/NDF: 1784.6/32

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.841+/-0.140 χ^2/NDF: 2809.8/36

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

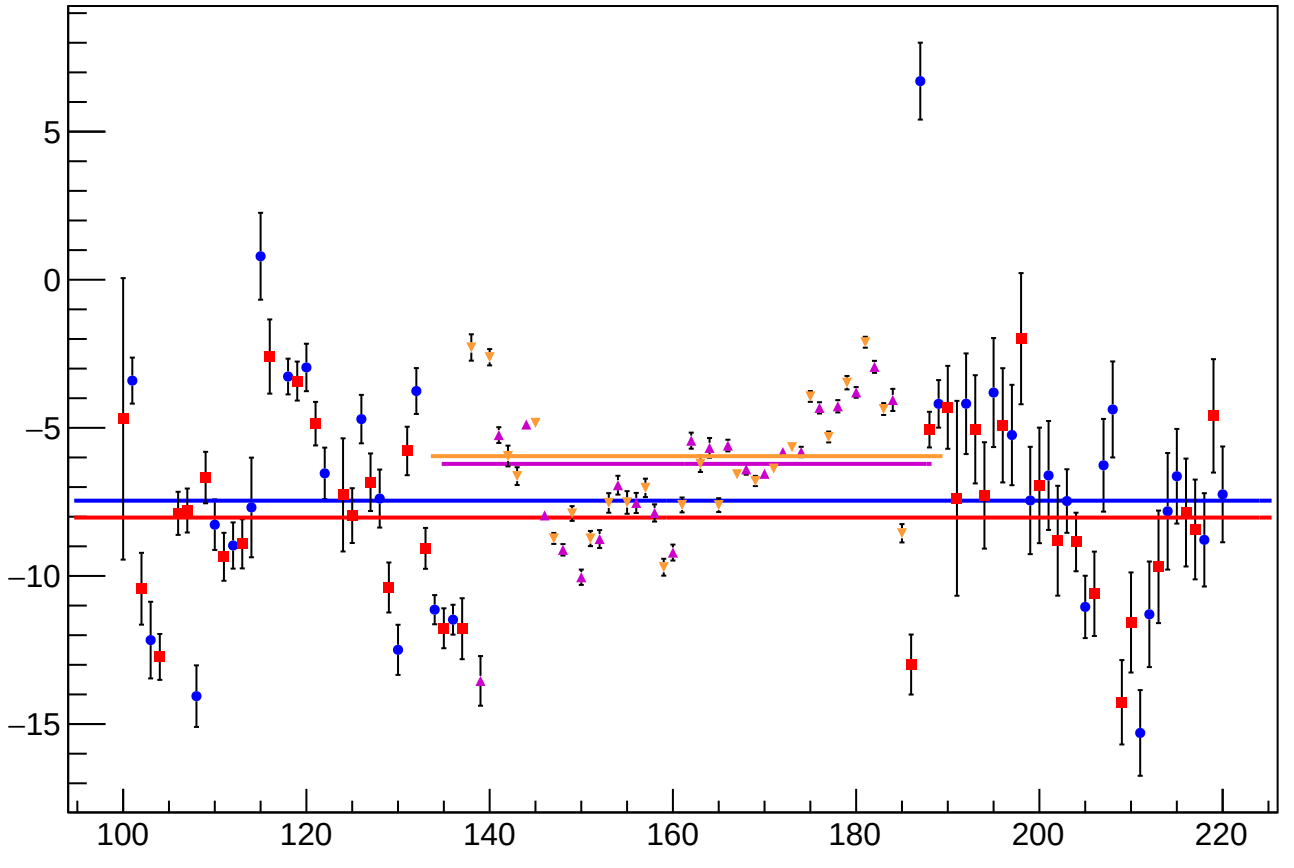
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.210+/-0.100 χ^2/NDF: 4608.5/69

In: -29.193+/-0.053 χ^2/NDF:7244.0/55

Out: -29.561+/-0.052 χ^2/NDF:8902.9/61

All: -29.379+/-0.037 χ^2/NDF: 16171.5/117



Right In: -7.459+/-0.169 χ^2/NDF: 583.0/32

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.029+/-0.168 χ^2/NDF: 298.0/36

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

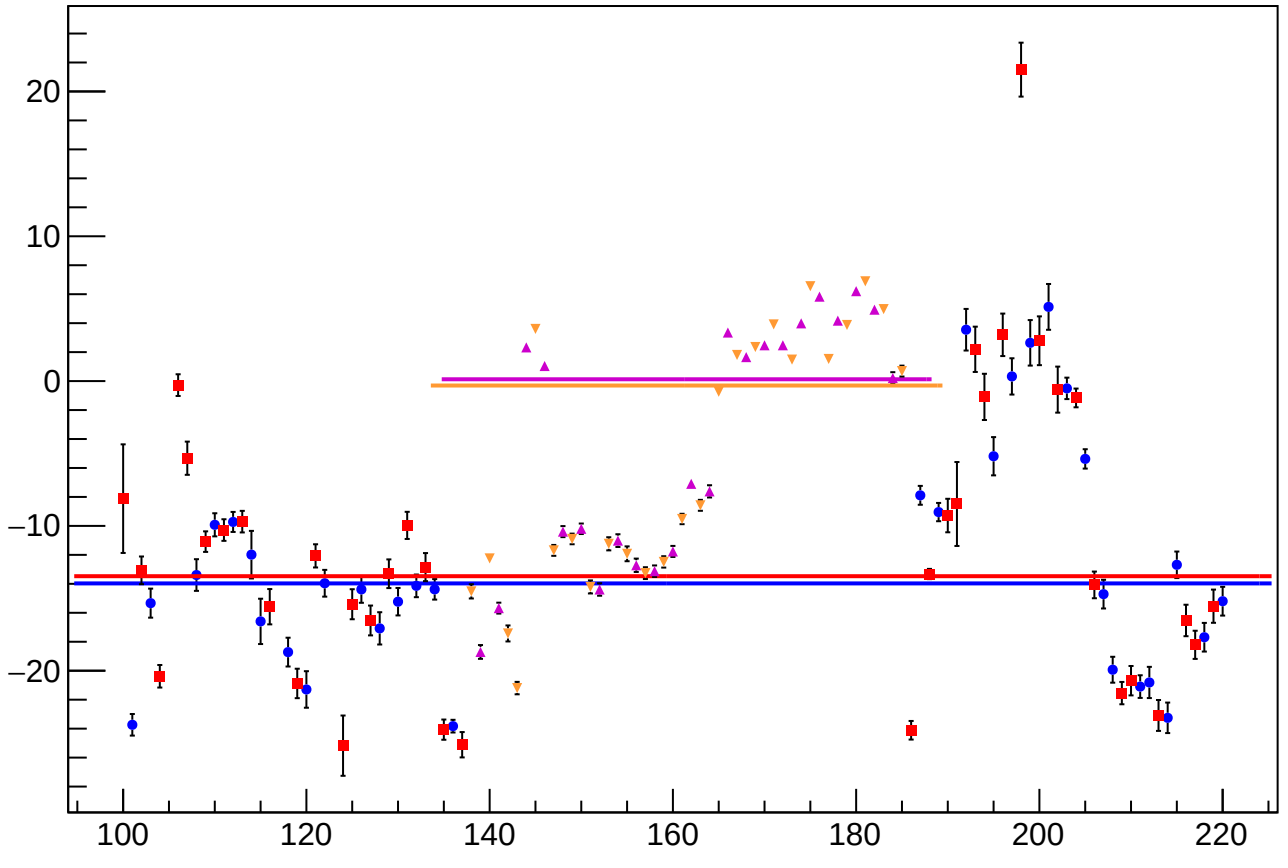
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.746+/-0.119 χ^2/NDF: 886.6/69

In: -6.296+/-0.043 χ^2/NDF:2375.0/55

Out: -6.092+/-0.043 χ^2/NDF:2297.9/61

All: -6.194+/-0.030 χ^2/NDF: 4684.3/117



Right In: -13.971+/-0.152 χ^2/NDF: 2303.4/32

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.473+/-0.147 χ^2/NDF: 2751.9/36

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

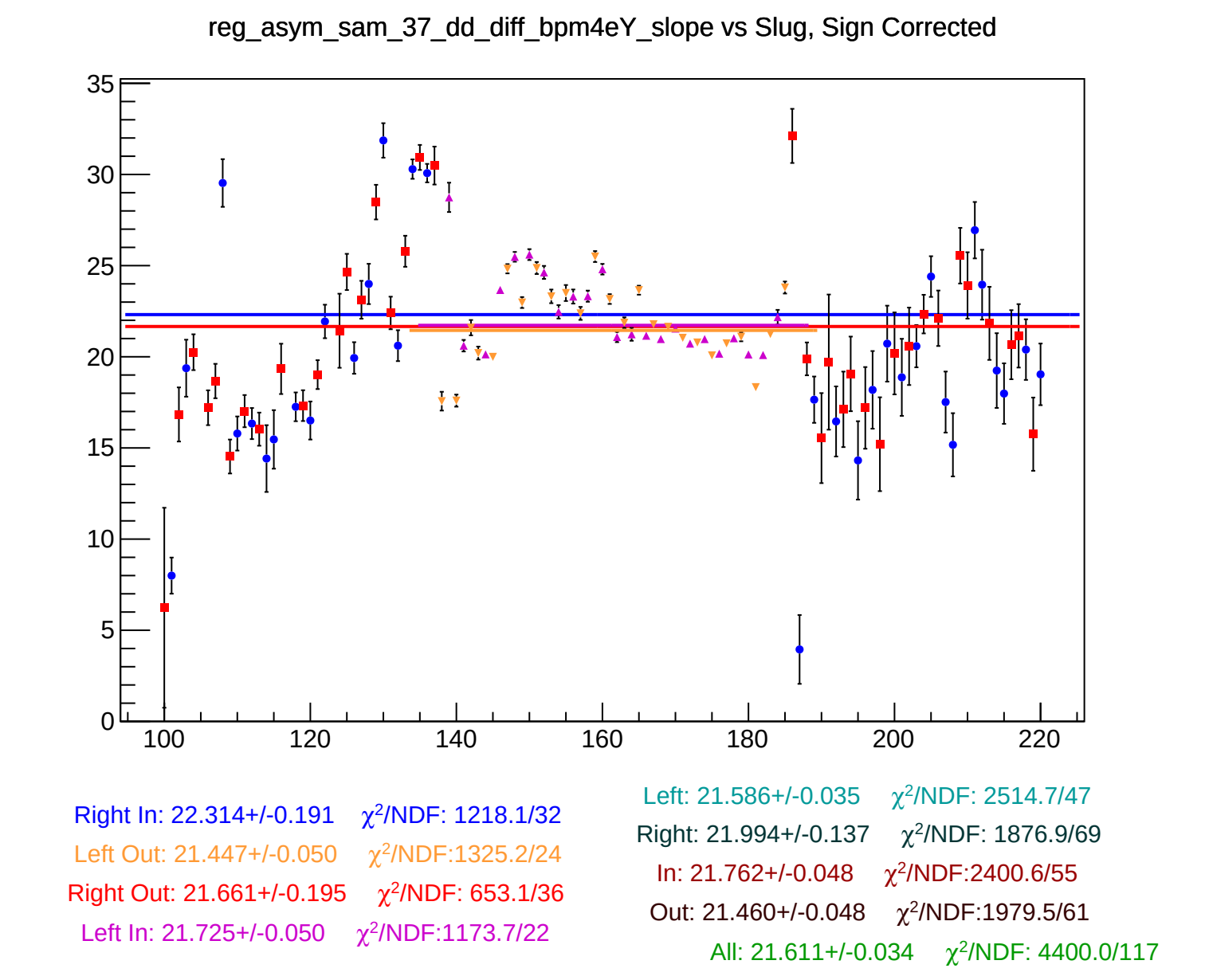
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

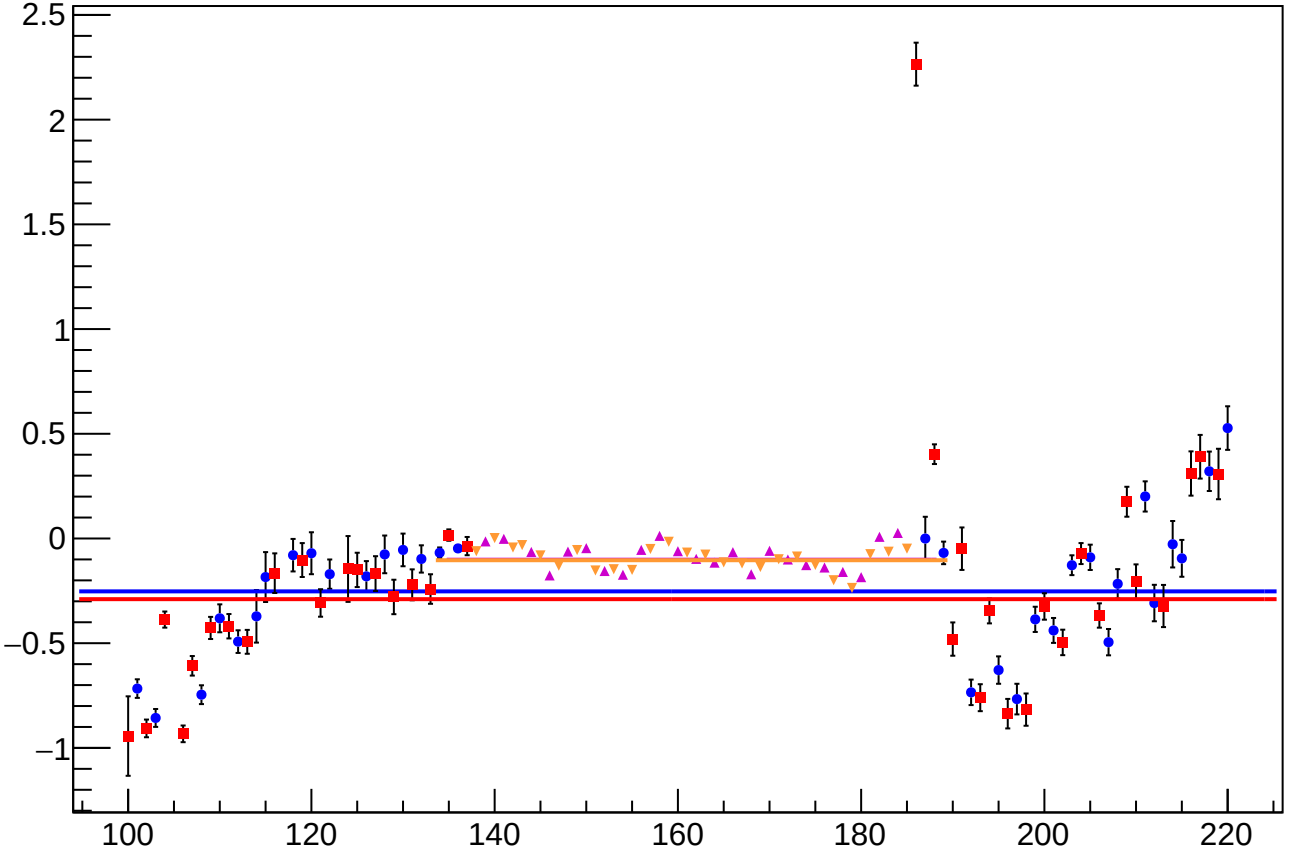
Right: -13.714+/-0.106 χ^2/NDF: 5060.8/69

In: -1.608+/-0.053 χ^2/NDF:23659.0/55

Out: -2.002+/-0.053 χ^2/NDF:26913.7/61

All: -1.807+/-0.038 χ^2/NDF: 50600.2/117


reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
100
120
140
160
180
200
220
Right In: 22.314+/-0.191 χ²/NDF: 1218.1/32
Left Out: 21.447+/-0.050 χ²/NDF:1325.2/24
Right Out: 21.661+/-0.195 χ²/NDF: 653.1/36
Left In: 21.725+/-0.050 χ²/NDF:1173.7/22
Left: 21.586+/-0.035 χ²/NDF: 2514.7/47
Right: 21.994+/-0.137 χ²/NDF: 1876.9/69
In: 21.762+/-0.048 χ²/NDF:2400.6/55
Out: 21.460+/-0.048 χ²/NDF:1979.5/61
All: 21.611+/-0.034 χ²/NDF: 4400.0/117



Right In: -0.253+/-0.010 χ^2/NDF: 981.0/32

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.290+/-0.010 χ^2/NDF: 1923.0/36

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

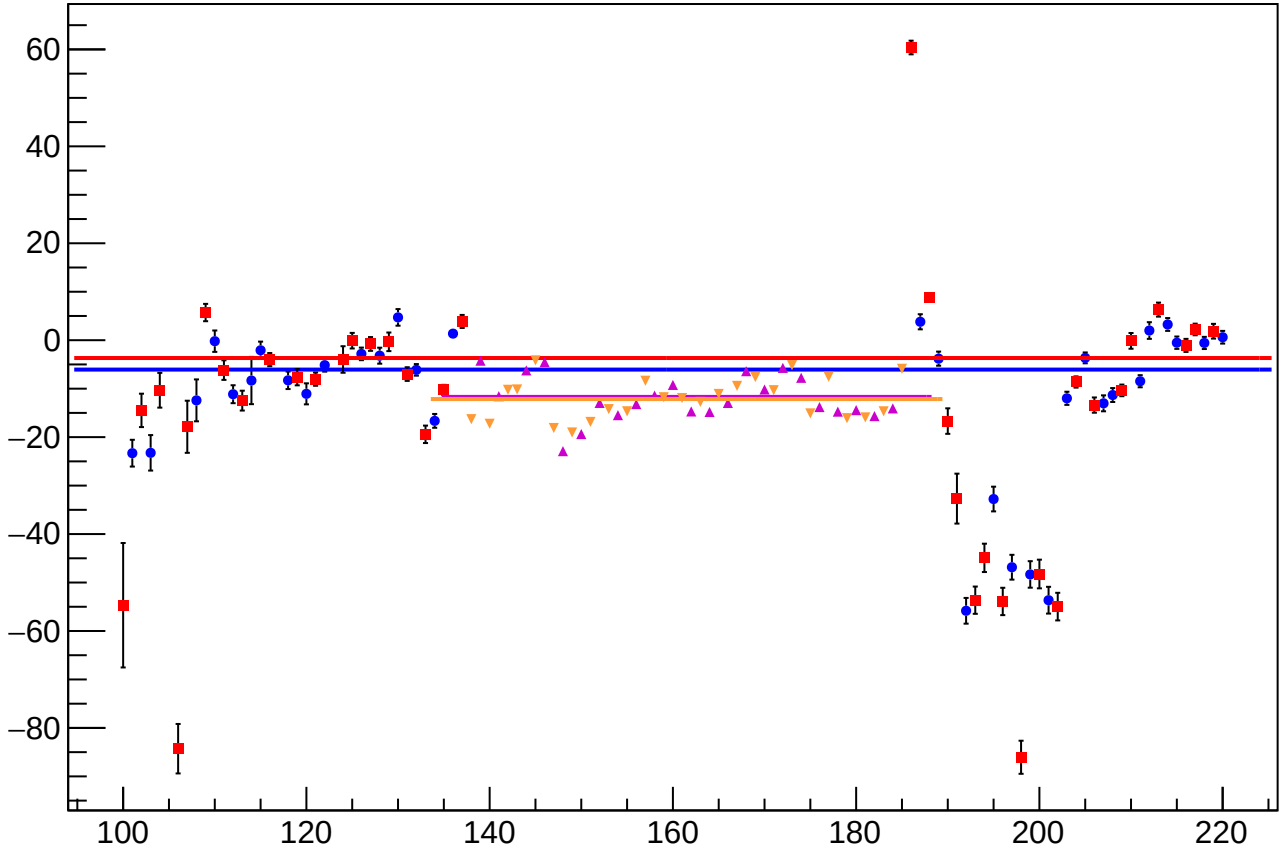
Right: -0.270+/-0.007 χ^2/NDF: 2911.3/69

In: -0.109+/-0.002 χ^2/NDF:1976.3/55

Out: -0.113+/-0.002 χ^2/NDF:2805.3/61

All: -0.111+/-0.002 χ^2/NDF: 4782.8/117

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.062+/-0.267 χ^2/NDF: 1801.2/32

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -3.676+/-0.275 χ^2/NDF: 5008.6/36

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

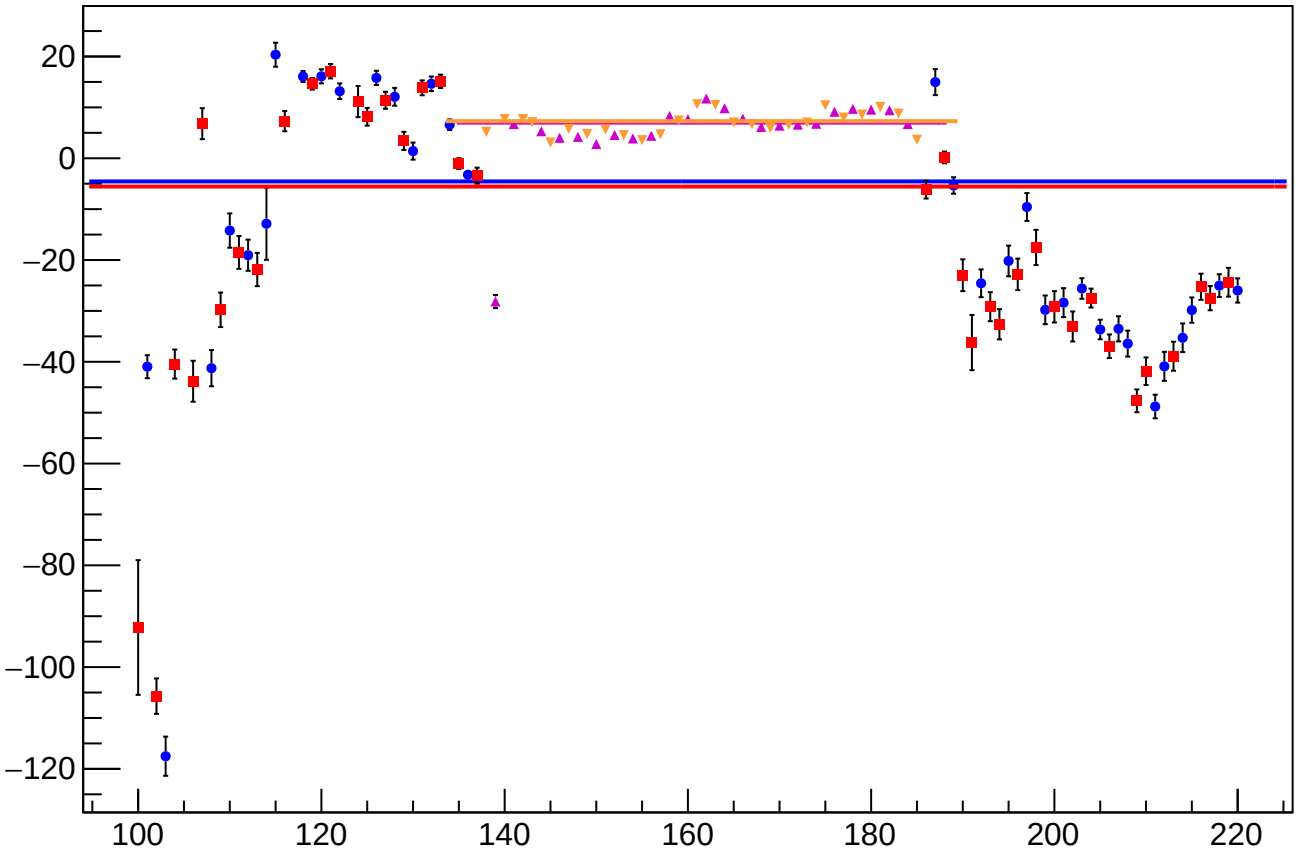
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -4.902+/-0.191 χ^2/NDF: 6848.6/69

In: -11.073+/-0.089 χ^2/NDF:4148.6/55

Out: -11.296+/-0.087 χ^2/NDF:7995.1/61

All: -11.187+/-0.062 χ^2/NDF: 12146.9/117



Right In: -4.554+/-0.321 χ^2/NDF: 4532.9/32

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -5.560+/-0.336 χ^2/NDF: 4096.5/36

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

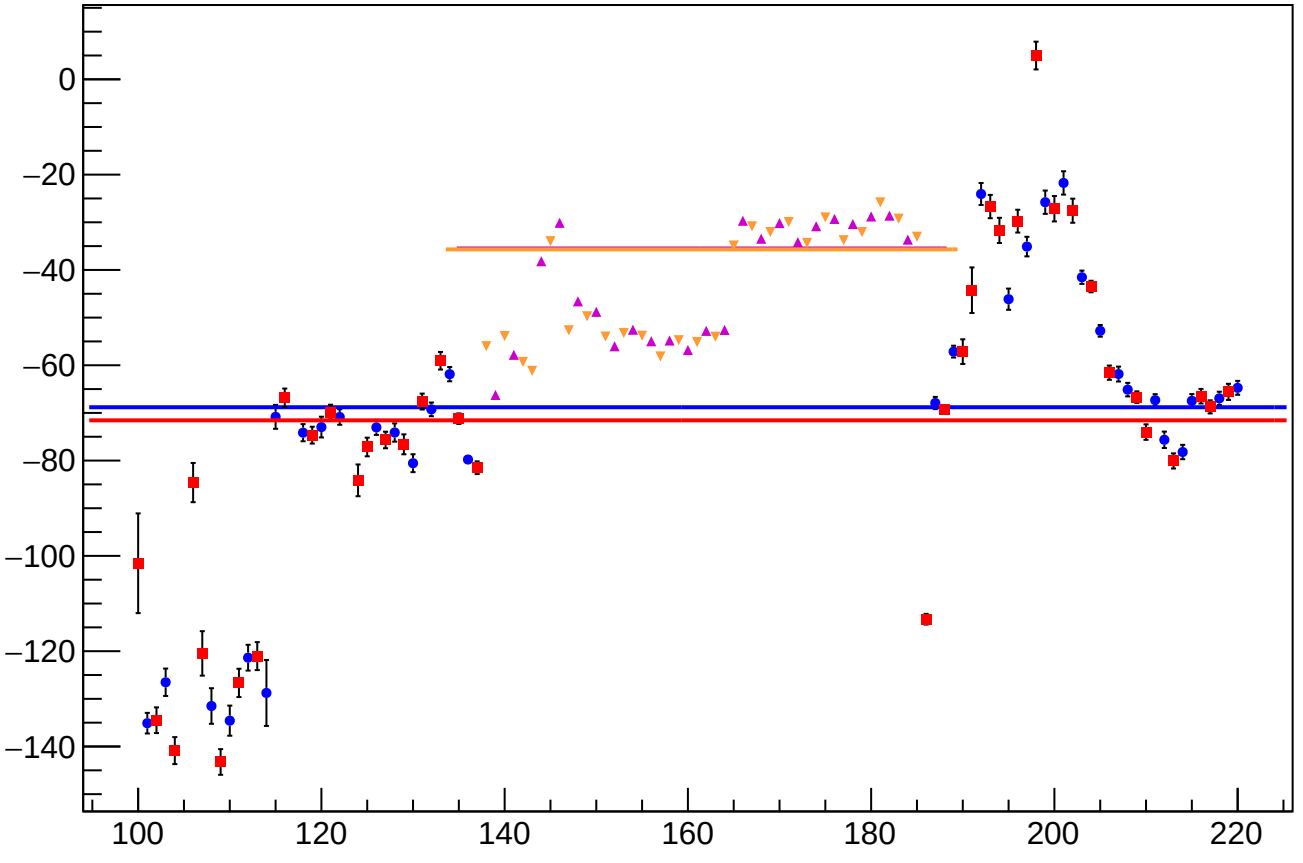
Right: -5.033+/-0.232 χ^2/NDF: 8634.0/69

In: 6.390+/-0.074 χ^2/NDF:7337.4/55

Out: 6.688+/-0.073 χ^2/NDF:6312.3/61

All: 6.541+/-0.052 χ^2/NDF: 13657.9/117

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.810+/-0.278 χ^2/NDF: 5021.0/32

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.560+/-0.280 χ^2/NDF: 7006.6/36

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

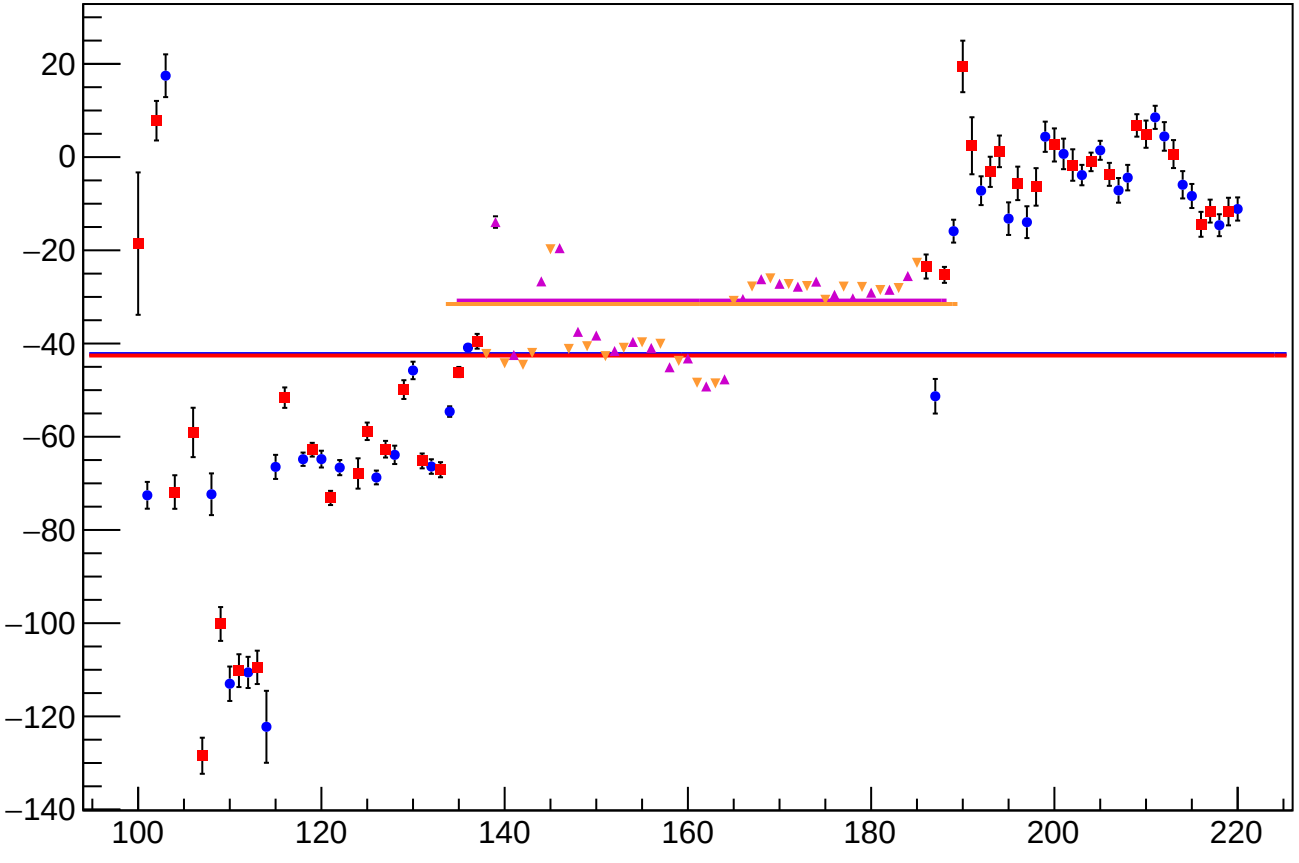
Right: -70.174+/-0.197 χ^2/NDF: 12076.2/69

In: -38.955+/-0.090 χ^2/NDF:29058.6/55

Out: -39.198+/-0.088 χ^2/NDF:34577.3/61

All: -39.079+/-0.063 χ^2/NDF: 63639.6/117

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -42.262+/-0.358 χ^2/NDF: 5913.7/32

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -42.570+/-0.383 χ^2/NDF: 6110.9/36

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

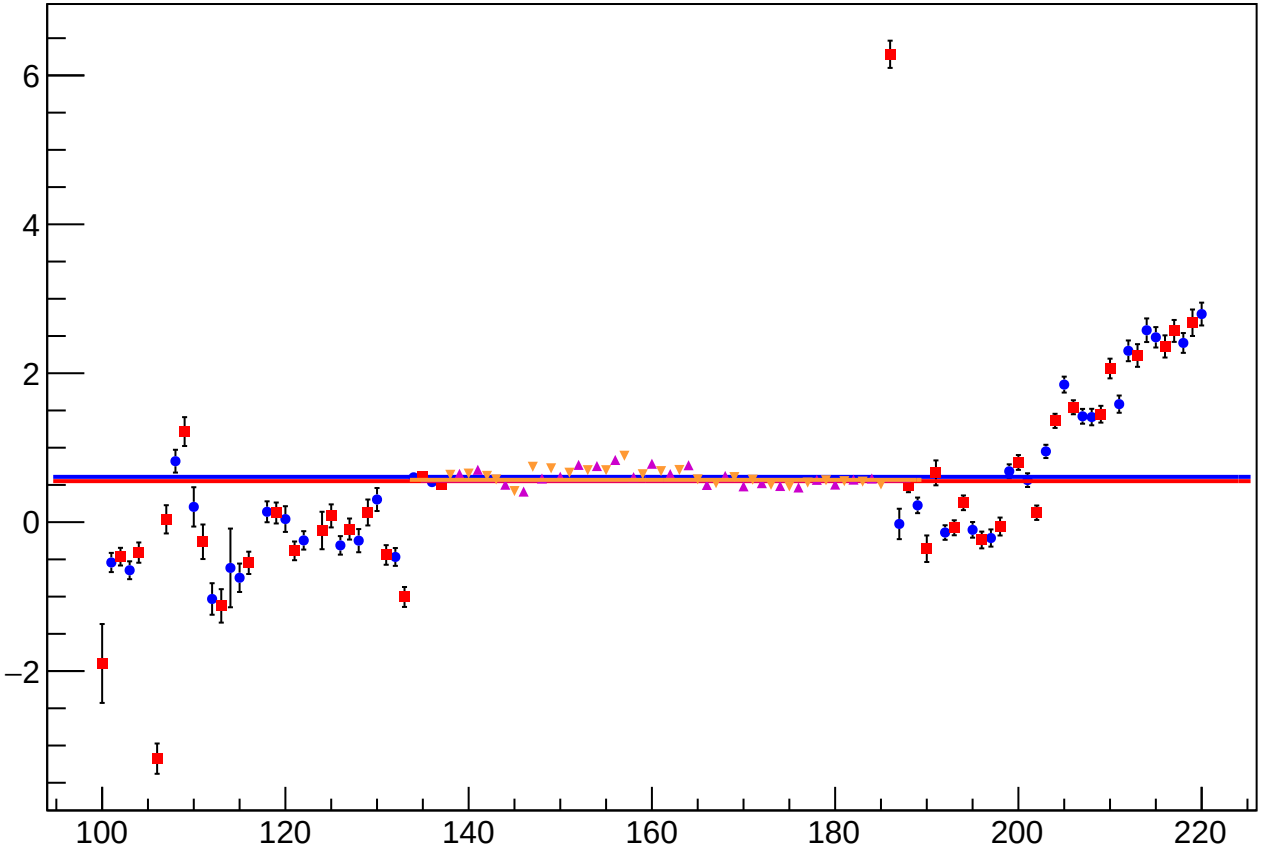
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -42.405+/-0.262 χ^2/NDF: 12025.0/69

In: -31.393+/-0.082 χ^2/NDF:14437.7/55

Out: -32.012+/-0.081 χ^2/NDF:15362.3/61

All: -31.707+/-0.058 χ^2/NDF: 29828.9/117



Right In: 0.608+/-0.018 χ^2/NDF: 1946.2/32

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.551+/-0.019 χ^2/NDF: 3059.5/36

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

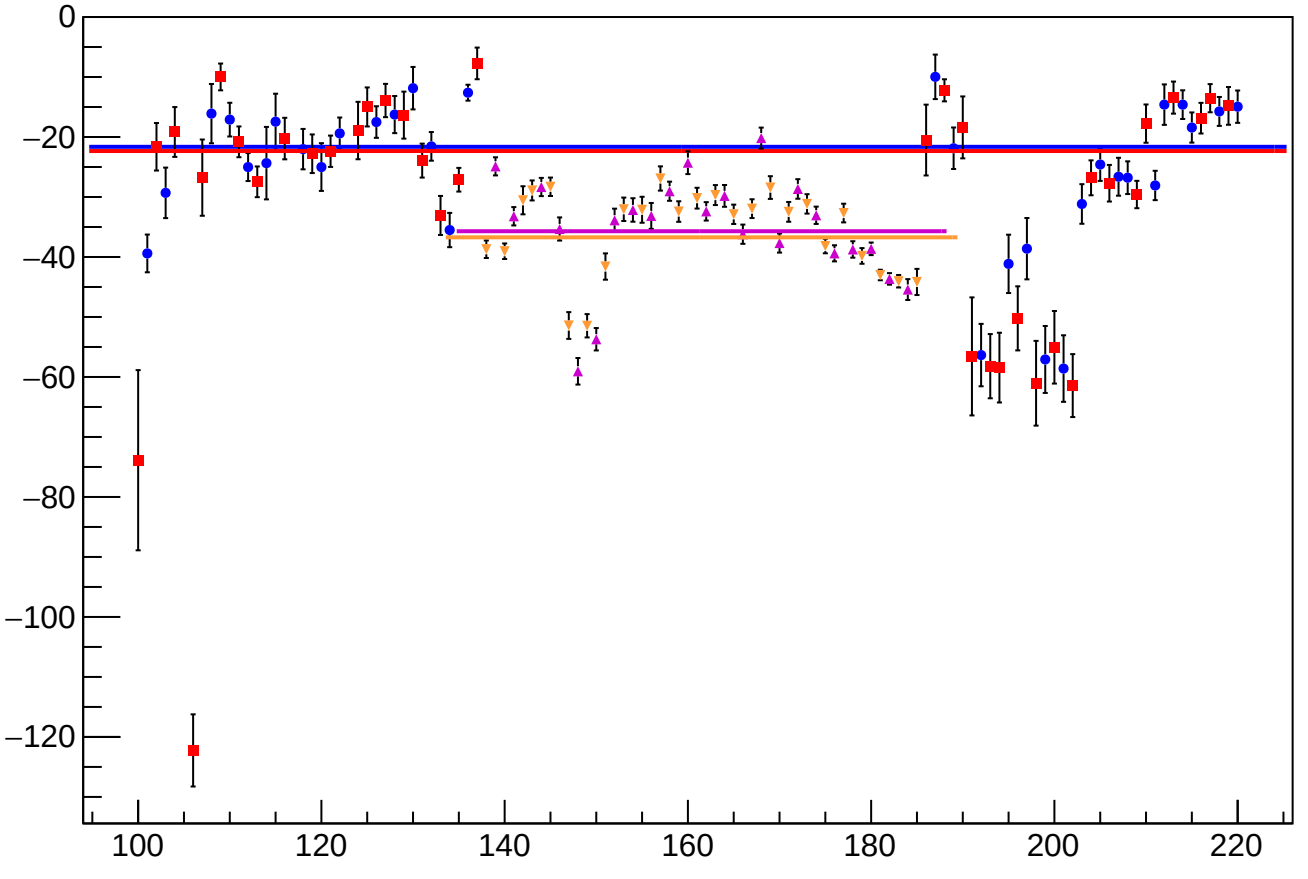
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.582+/-0.013 χ^2/NDF: 5010.6/69

In: 0.562+/-0.004 χ^2/NDF:2625.0/55

Out: 0.568+/-0.004 χ^2/NDF:3614.8/61

All: 0.565+/-0.003 χ^2/NDF: 6241.0/117



Right In: -21.635+/-0.515 χ^2/NDF: 342.1/32

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.338+/-0.526 χ^2/NDF: 710.8/36

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

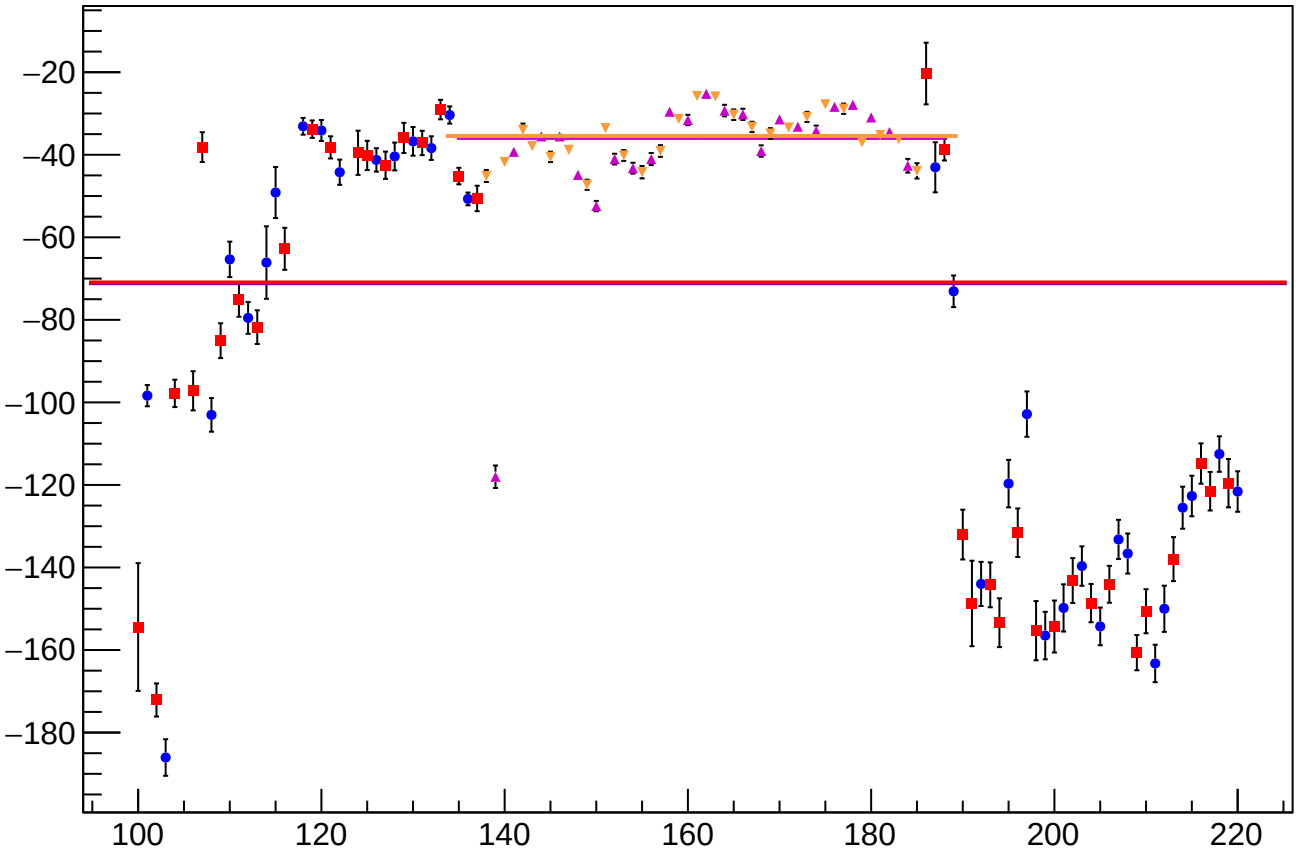
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -21.979+/-0.368 χ^2/NDF: 1053.8/69

In: -31.733+/-0.274 χ^2/NDF:1456.1/55

Out: -33.015+/-0.267 χ^2/NDF:1686.1/61

All: -32.389+/-0.191 χ^2/NDF: 3153.4/117



Right In: -71.106+/-0.610 χ^2/NDF: 5130.4/32

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -70.944+/-0.633 χ^2/NDF: 5220.6/36

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

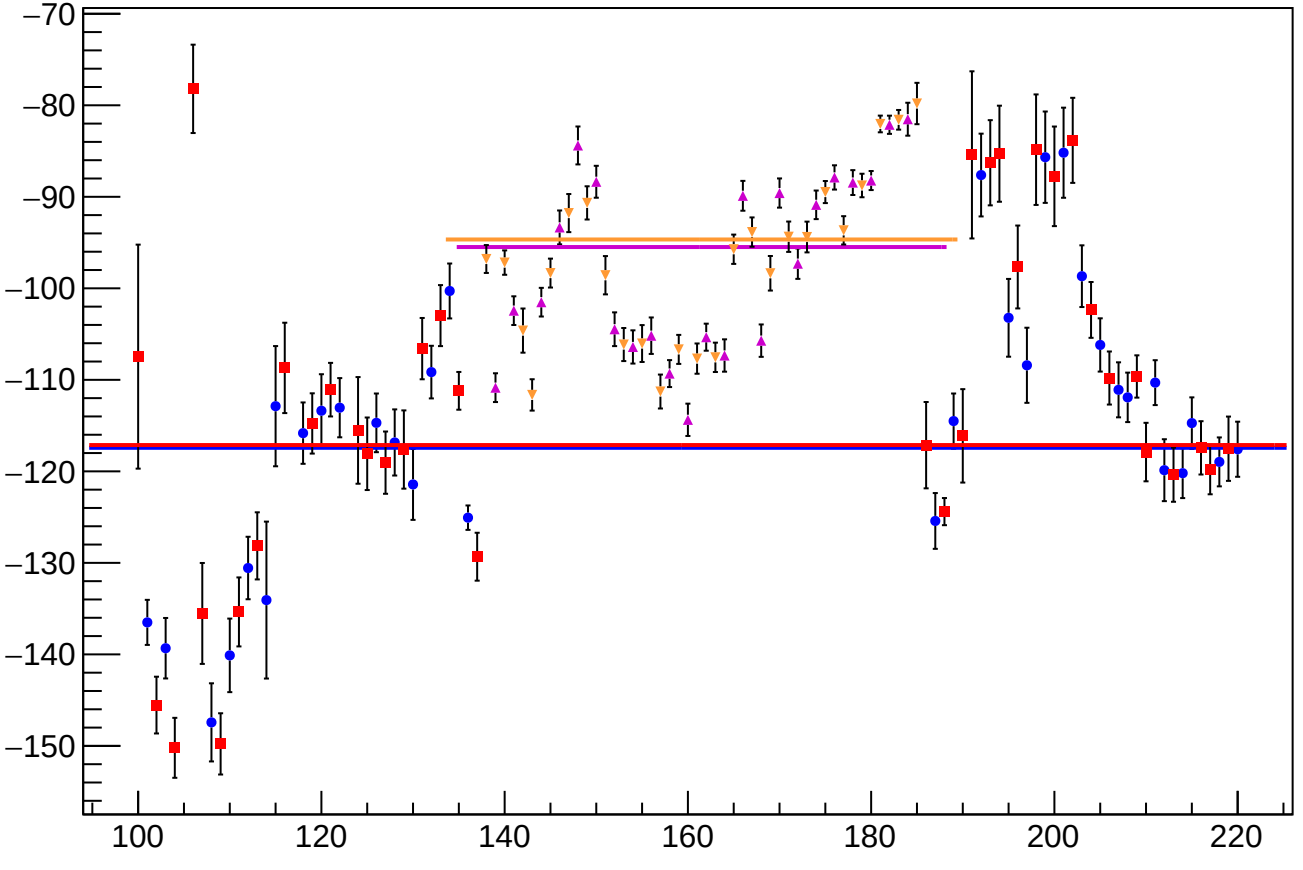
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -71.028+/-0.439 χ^2/NDF: 10351.1/69

In: -41.181+/-0.236 χ^2/NDF:9499.5/55

Out: -40.062+/-0.228 χ^2/NDF:8493.8/61

All: -40.603+/-0.164 χ^2/NDF: 18004.8/117



Right In: -117.425+/-0.538 χ^2/NDF: 499.1/32

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.127+/-0.550 χ^2/NDF: 743.3/36

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

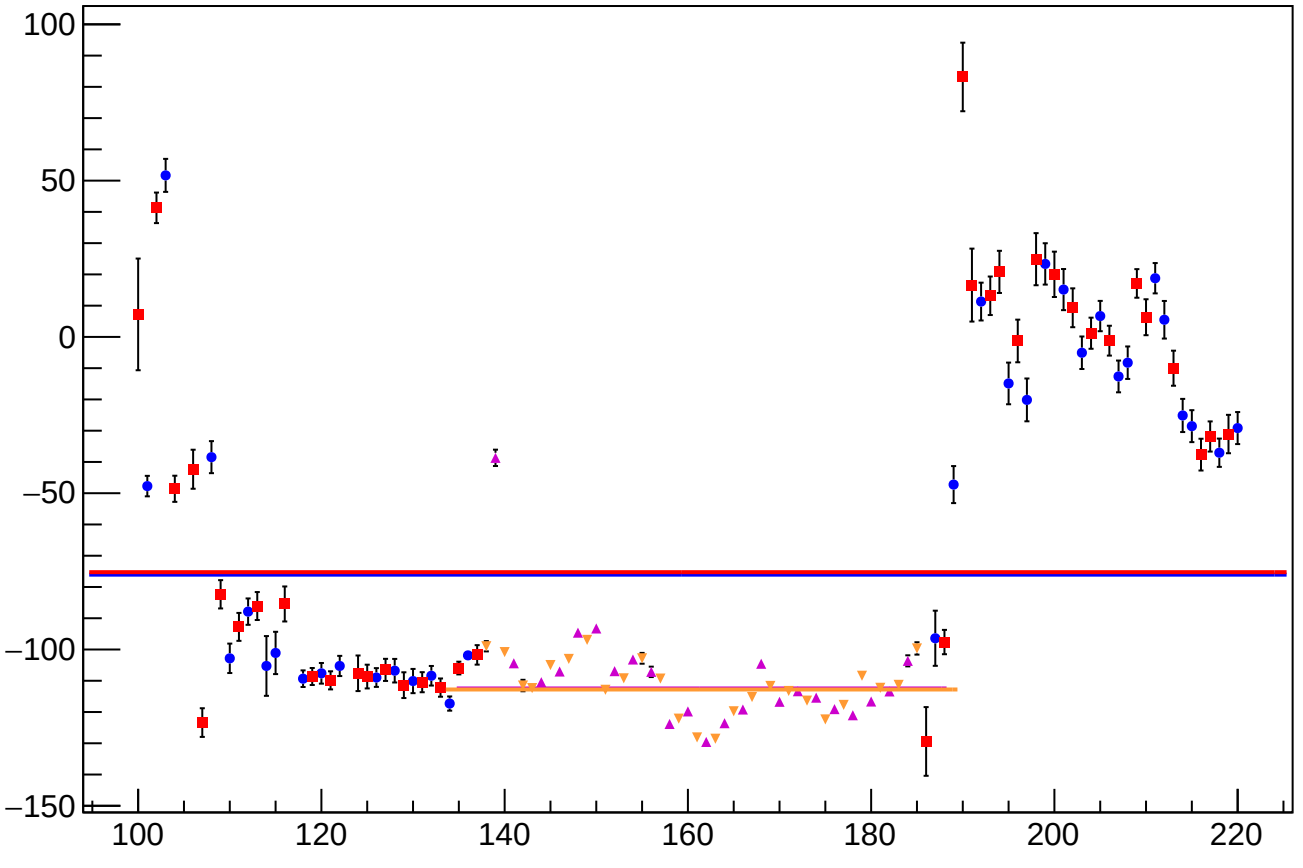
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.280+/-0.384 χ^2/NDF: 1242.5/69

In: -101.258+/-0.276 χ^2/NDF:2696.0/55

Out: -100.078+/-0.270 χ^2/NDF:2910.6/61

All: -100.656+/-0.193 χ^2/NDF: 5616.0/117



Right In: -76.051+/-0.684 χ^2/NDF: 4596.2/32

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -75.259+/-0.720 χ^2/NDF: 4698.0/36

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

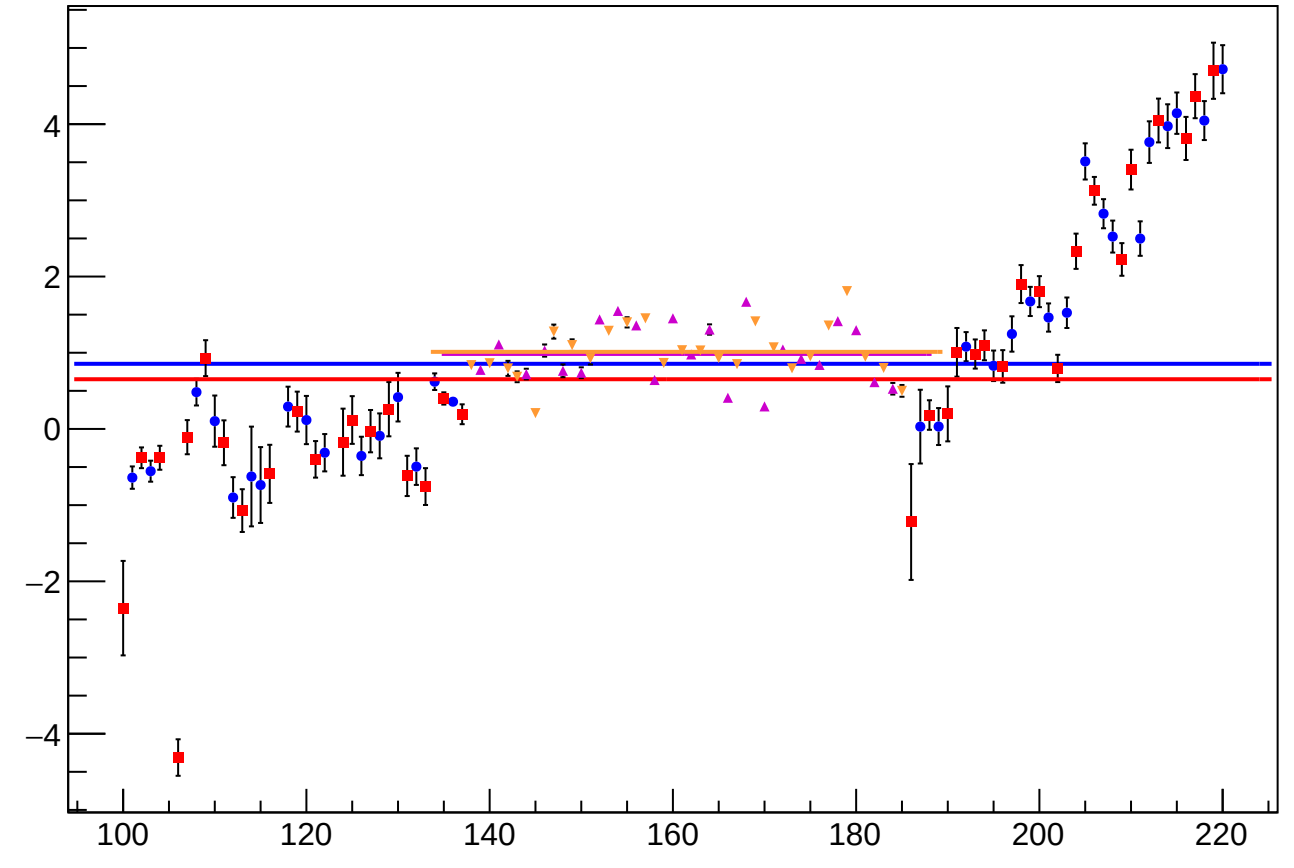
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -75.675+/-0.496 χ^2/NDF: 9294.8/69

In: -107.090+/-0.263 χ^2/NDF:8797.6/55

Out: -108.044+/-0.256 χ^2/NDF:8008.7/61

All: -107.579+/-0.183 χ^2/NDF: 16813.0/117



Right In: 0.855+/-0.033 χ^2/NDF: 1532.1/32

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.652+/-0.035 χ^2/NDF: 1770.7/36

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

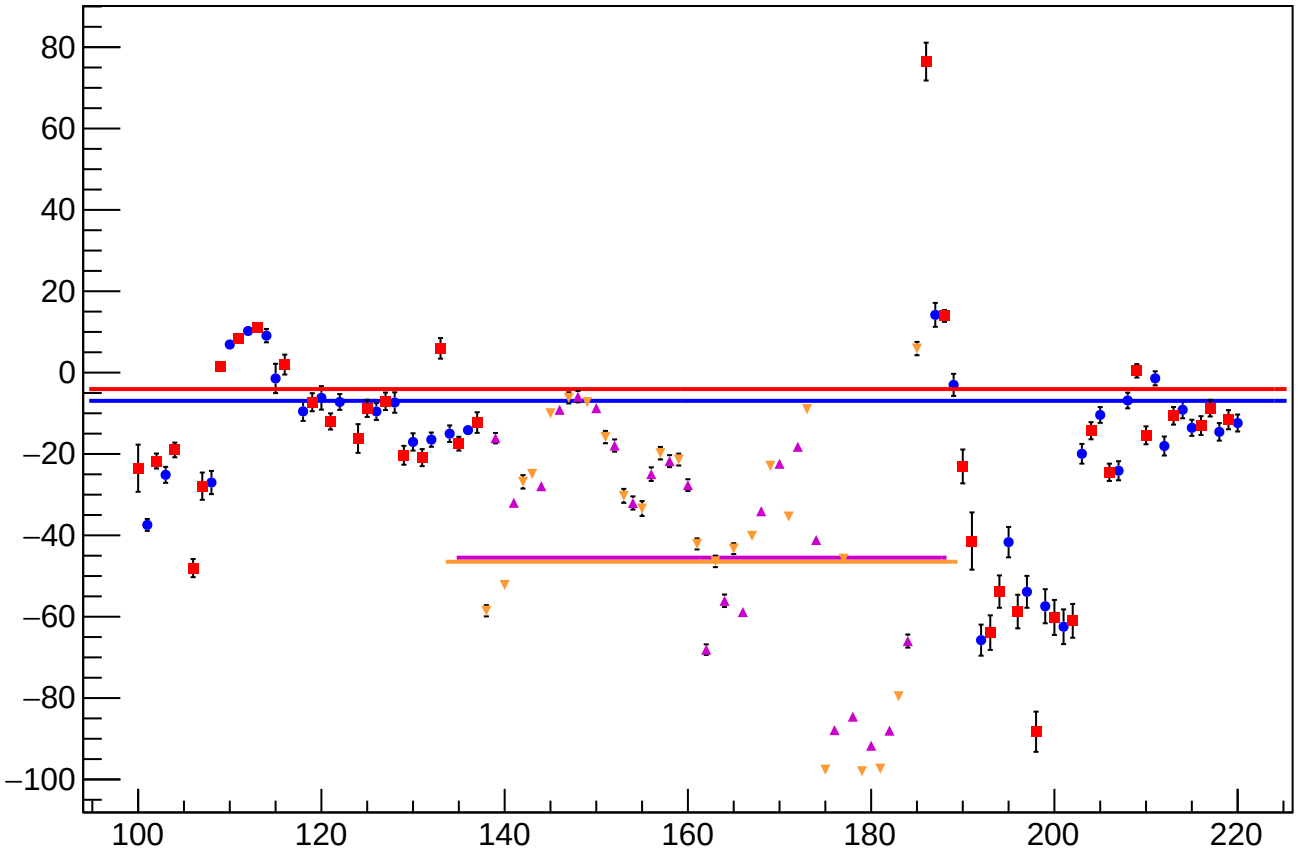
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.759+/-0.024 χ^2/NDF: 3320.5/69

In: 0.968+/-0.012 χ^2/NDF:2445.5/55

Out: 0.972+/-0.012 χ^2/NDF:2556.0/61

All: 0.970+/-0.008 χ^2/NDF: 5001.6/117



Right In: -6.940+/-0.317 χ^2/NDF: 2597.0/32

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -4.046+/-0.295 χ^2/NDF: 3452.0/36

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

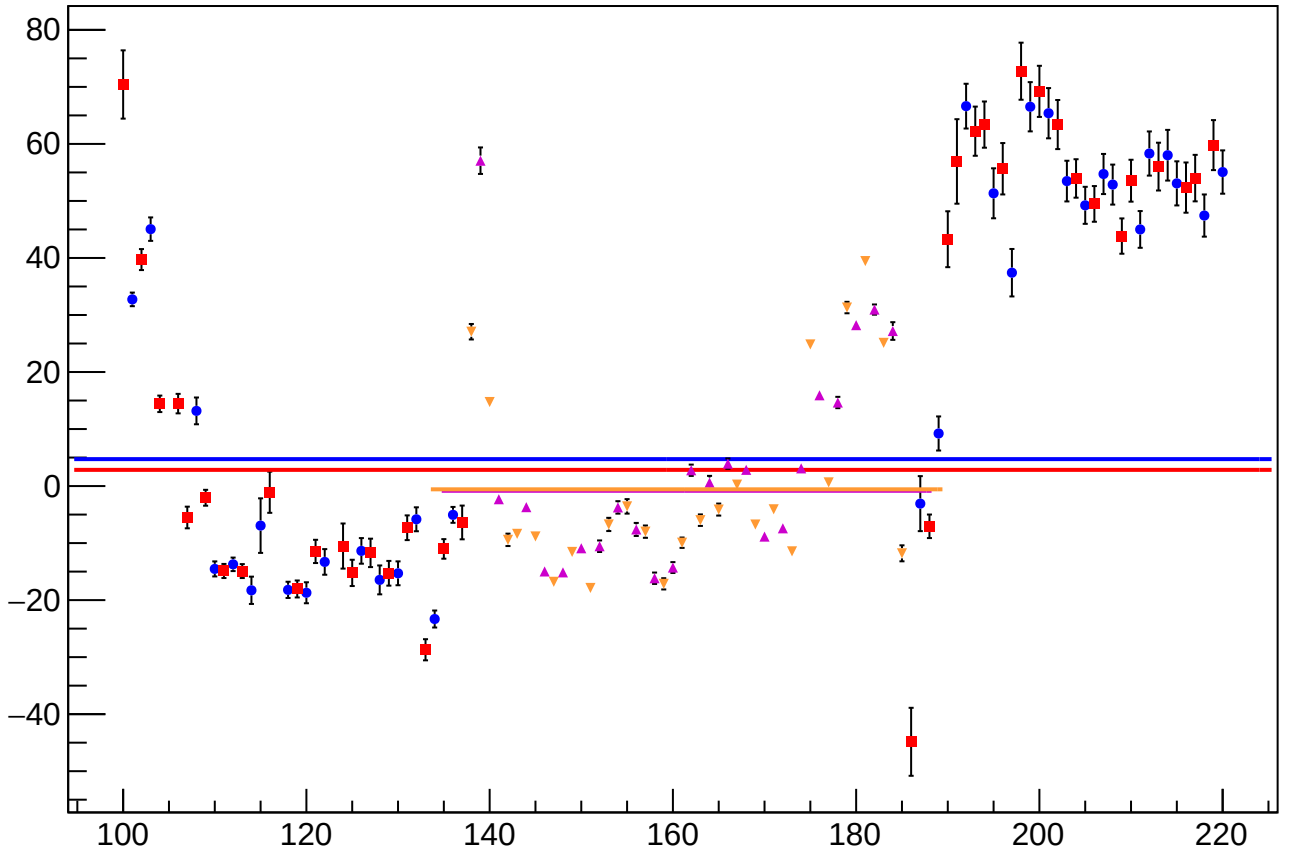
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -5.388+/-0.216 χ^2/NDF: 6093.7/69

In: -31.625+/-0.190 χ^2/NDF:27626.0/55

Out: -30.431+/-0.181 χ^2/NDF:36377.5/61

All: -31.000+/-0.131 χ^2/NDF: 64024.1/117



Right In: 4.725+/-0.390 χ^2/NDF: 5174.1/32

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 2.841+/-0.383 χ^2/NDF: 4700.5/36

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

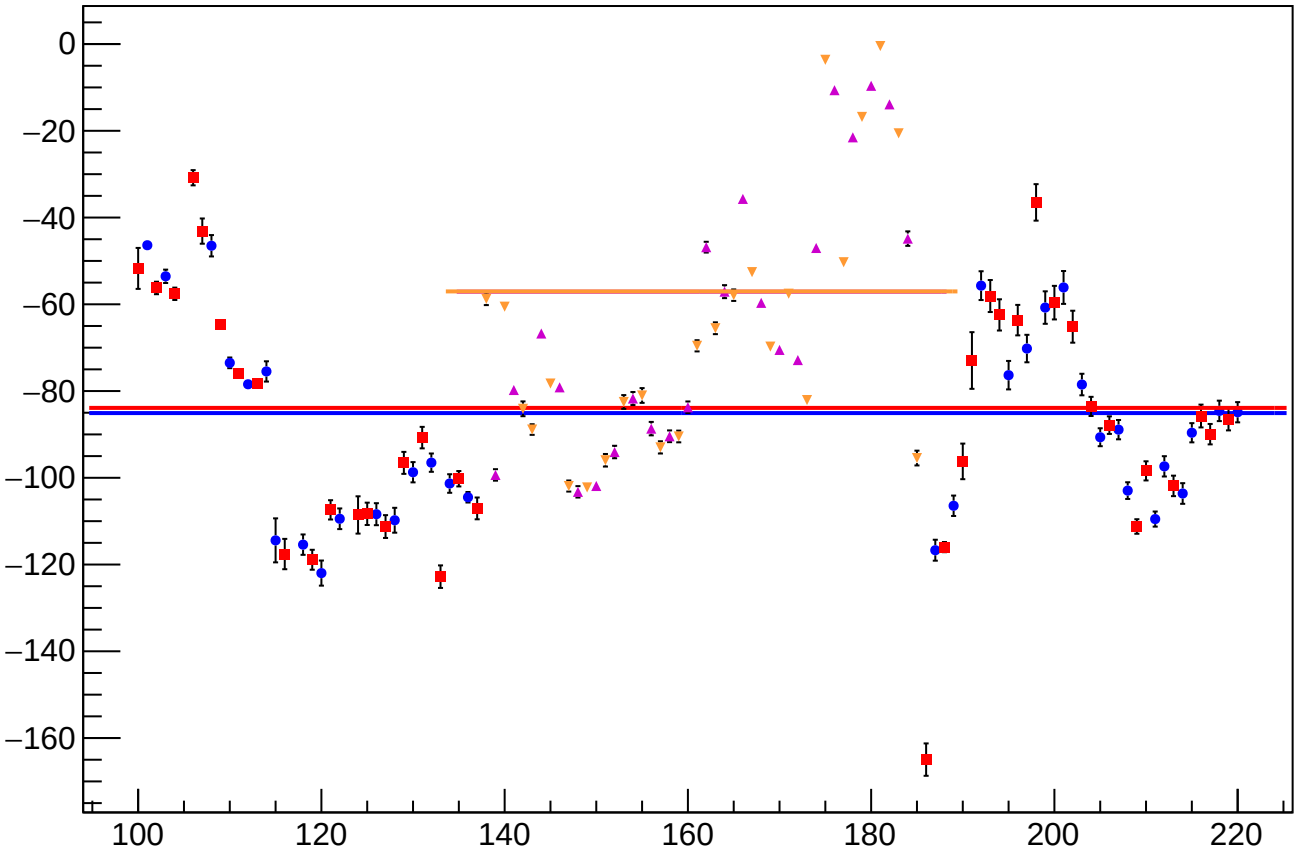
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 3.765+/-0.273 χ^2/NDF: 9886.5/69

In: 0.175+/-0.166 χ^2/NDF:11456.9/55

Out: 0.031+/-0.161 χ^2/NDF:13217.5/61

All: 0.101+/-0.115 χ^2/NDF: 24674.7/117



Right In: -85.080+/-0.351 χ^2/NDF: 3807.5/32

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.884+/-0.338 χ^2/NDF: 5297.7/36

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

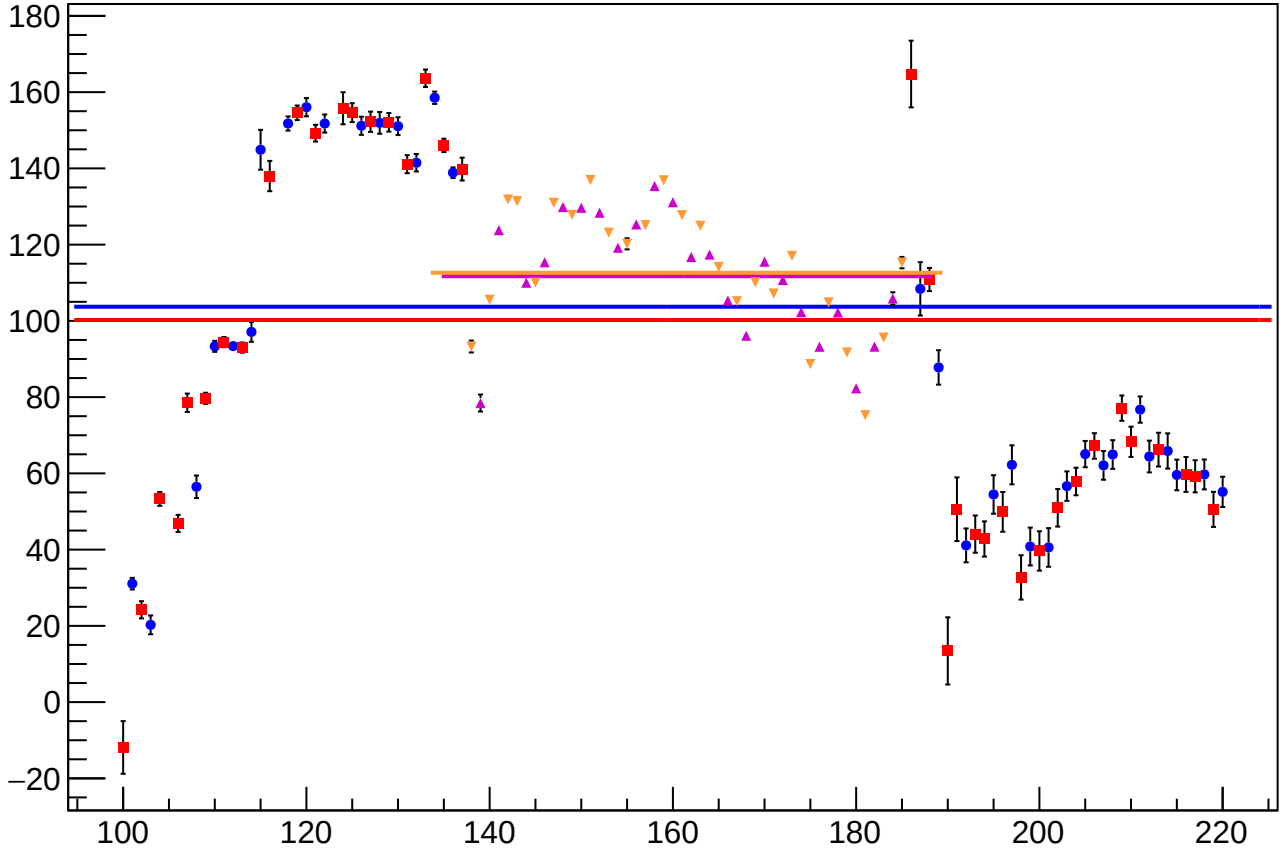
Right: -84.460+/-0.244 χ^2/NDF: 9111.2/69

In: -65.824+/-0.196 χ^2/NDF:25342.1/55

Out: -65.506+/-0.190 χ^2/NDF:29915.0/61

All: -65.660+/-0.137 χ^2/NDF: 55258.4/117

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 103.712+/-0.441 χ^2/NDF: 10379.6/32

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 100.233+/-0.436 χ^2/NDF: 9423.4/36

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

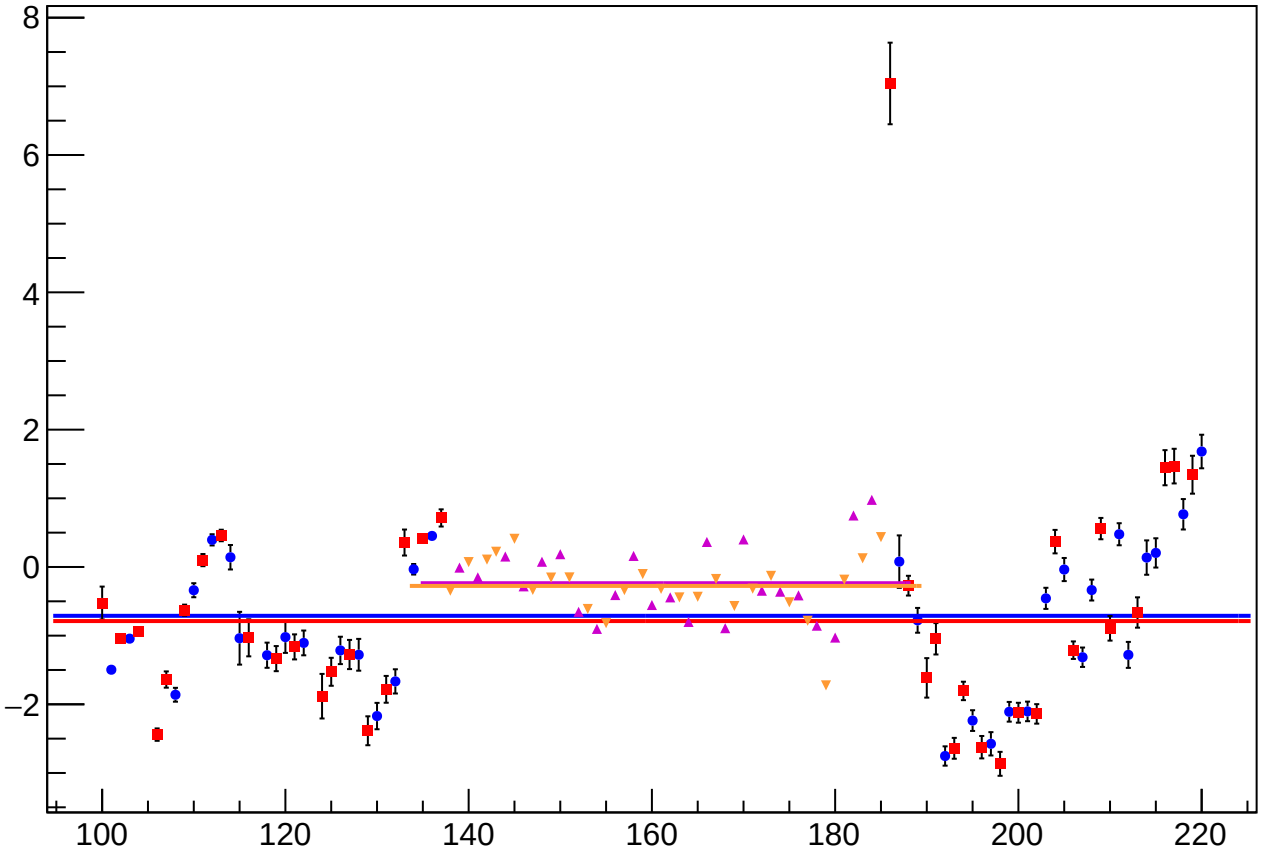
Right: 101.951+/-0.310 χ^2/NDF: 19834.4/69

In: 110.288+/-0.187 χ^2/NDF:15546.6/55

Out: 110.473+/-0.182 χ^2/NDF:16798.5/61

All: 110.383+/-0.130 χ^2/NDF: 32345.6/117

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.711+/-0.022 χ^2/NDF: 2033.0/32

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.788+/-0.022 χ^2/NDF: 2537.8/36

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

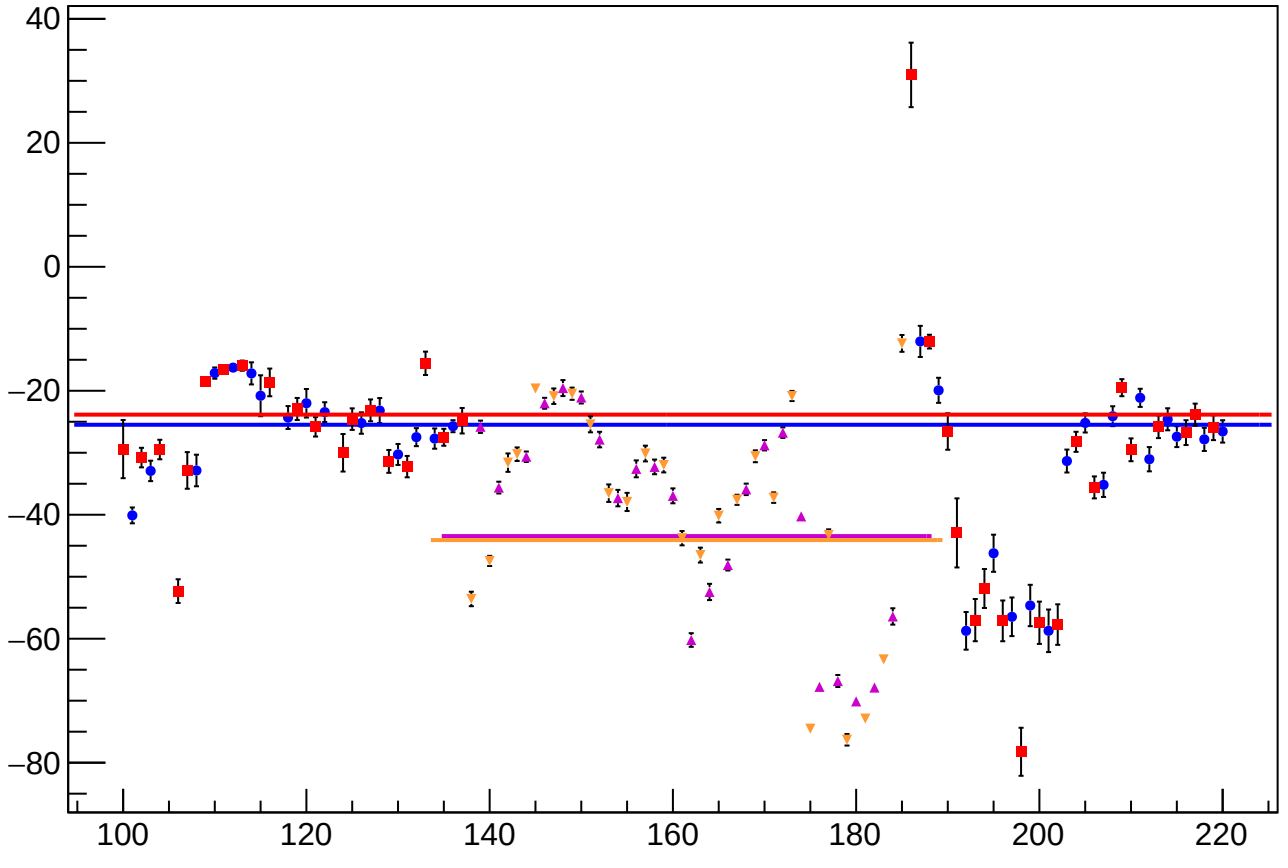
Right: -0.750+/-0.015 χ^2/NDF: 4577.0/69

In: -0.307+/-0.008 χ^2/NDF:5392.9/55

Out: -0.352+/-0.008 χ^2/NDF:5141.2/61

All: -0.330+/-0.006 χ^2/NDF: 10548.1/117

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.483+/-0.283 χ^2/NDF: 964.1/32

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.850+/-0.269 χ^2/NDF: 1562.0/36

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

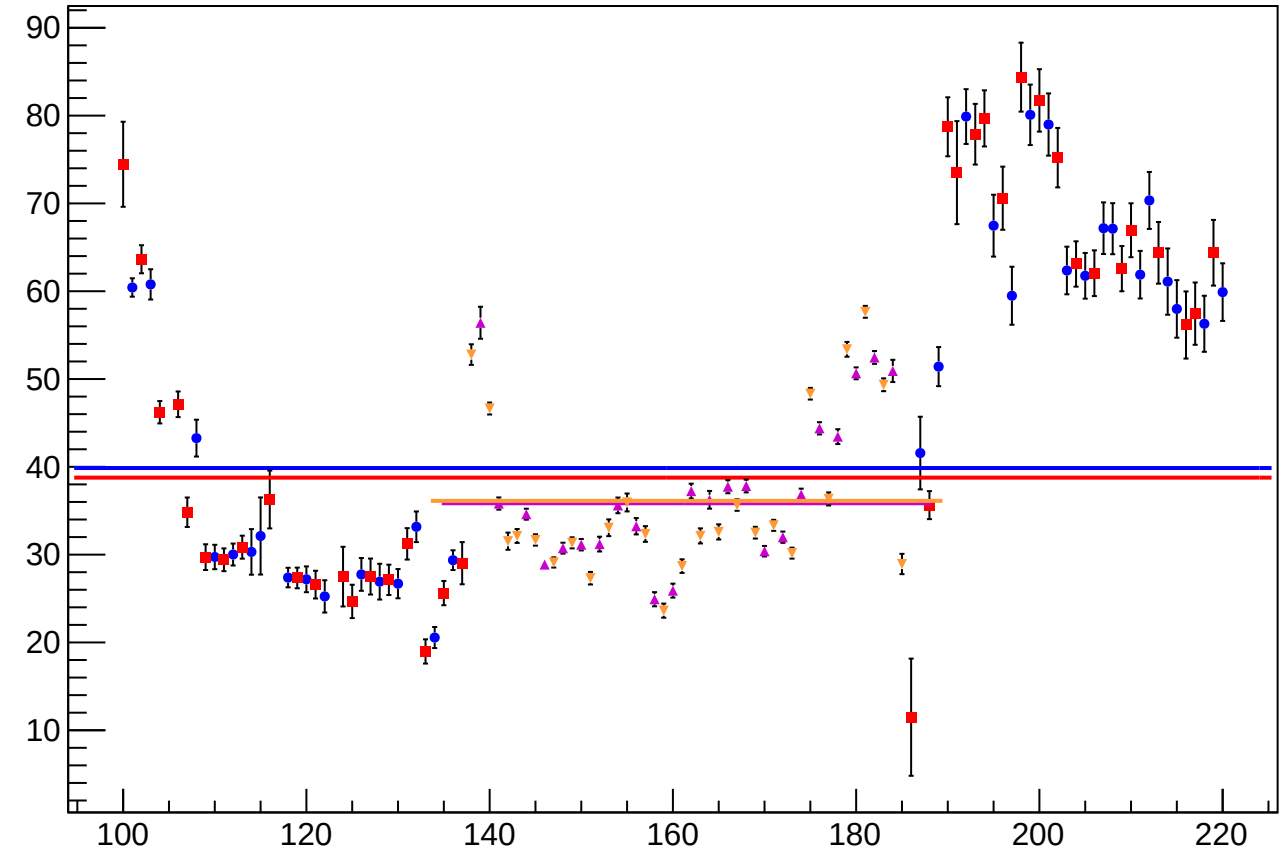
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.625+/-0.195 χ^2/NDF: 2543.6/69

In: -37.510+/-0.163 χ^2/NDF:11483.9/55

Out: -37.210+/-0.157 χ^2/NDF:15637.9/61

All: -37.354+/-0.113 χ^2/NDF: 27123.6/117



Right In: 39.865+/-0.335 χ^2/NDF: 2576.8/32

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.771+/-0.332 χ^2/NDF: 2572.6/36

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

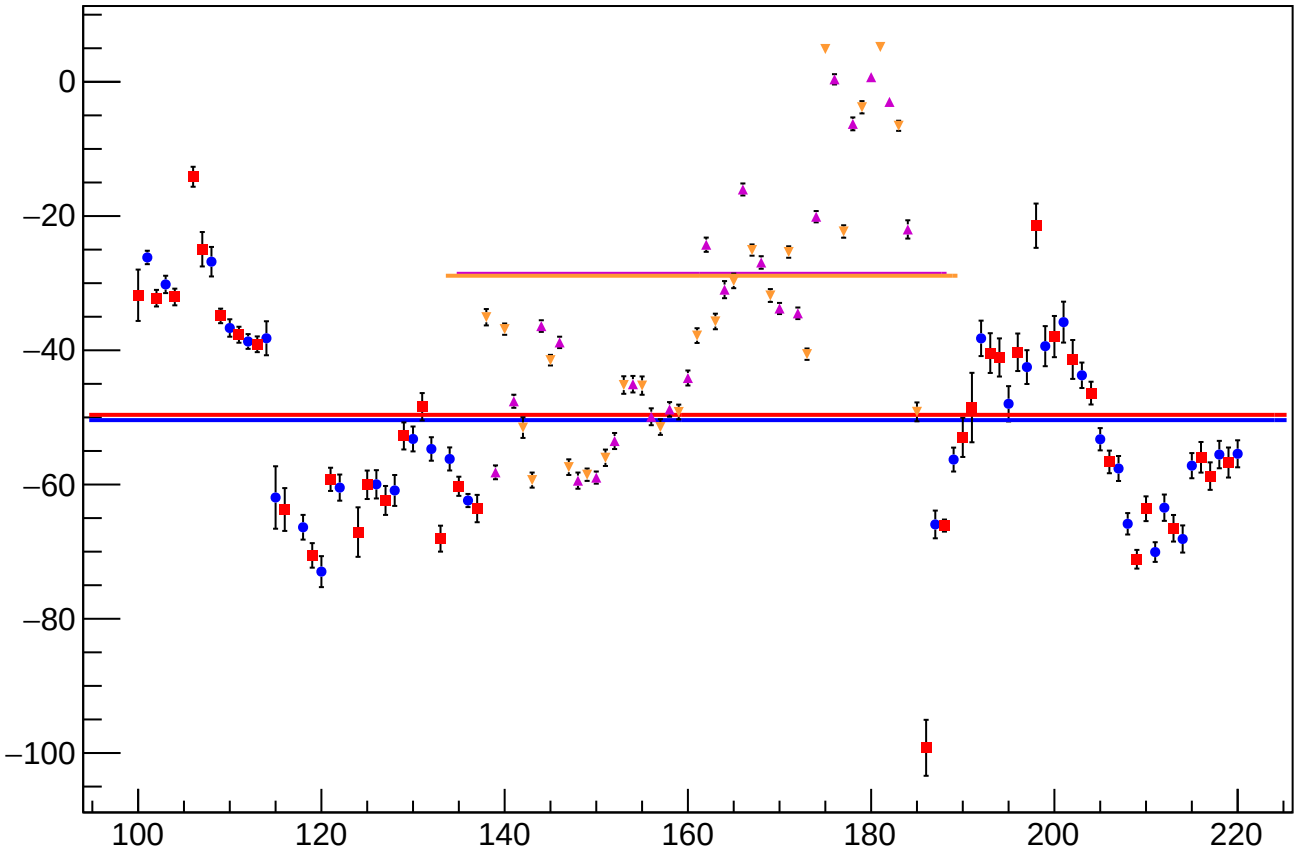
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 39.312+/-0.236 χ^2/NDF: 5154.7/69

In: 36.558+/-0.141 χ^2/NDF:4988.4/55

Out: 36.572+/-0.137 χ^2/NDF:6184.0/61

All: 36.566+/-0.098 χ^2/NDF: 11172.4/117



Right In: -50.404+/-0.303 χ^2/NDF: 2194.6/32

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -49.617+/-0.295 χ^2/NDF: 2937.3/36

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

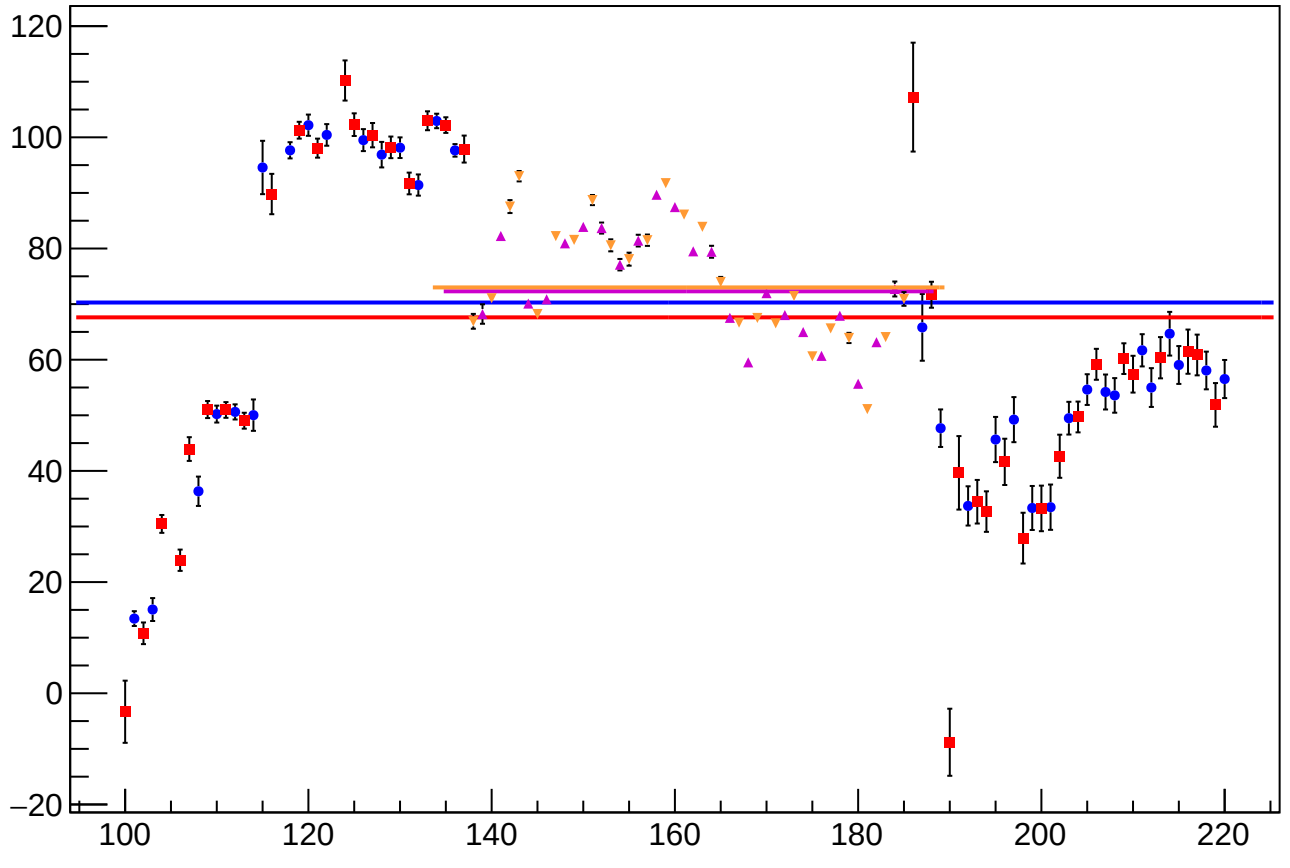
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -49.999+/-0.211 χ^2/NDF: 5135.3/69

In: -35.103+/-0.166 χ^2/NDF:15831.2/55

Out: -35.100+/-0.161 χ^2/NDF:18199.2/61

All: -35.102+/-0.116 χ^2/NDF: 34030.4/117



Right In: 70.286+/-0.381 χ^2/NDF: 6544.7/32

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.617+/-0.381 χ^2/NDF: 6391.3/36

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

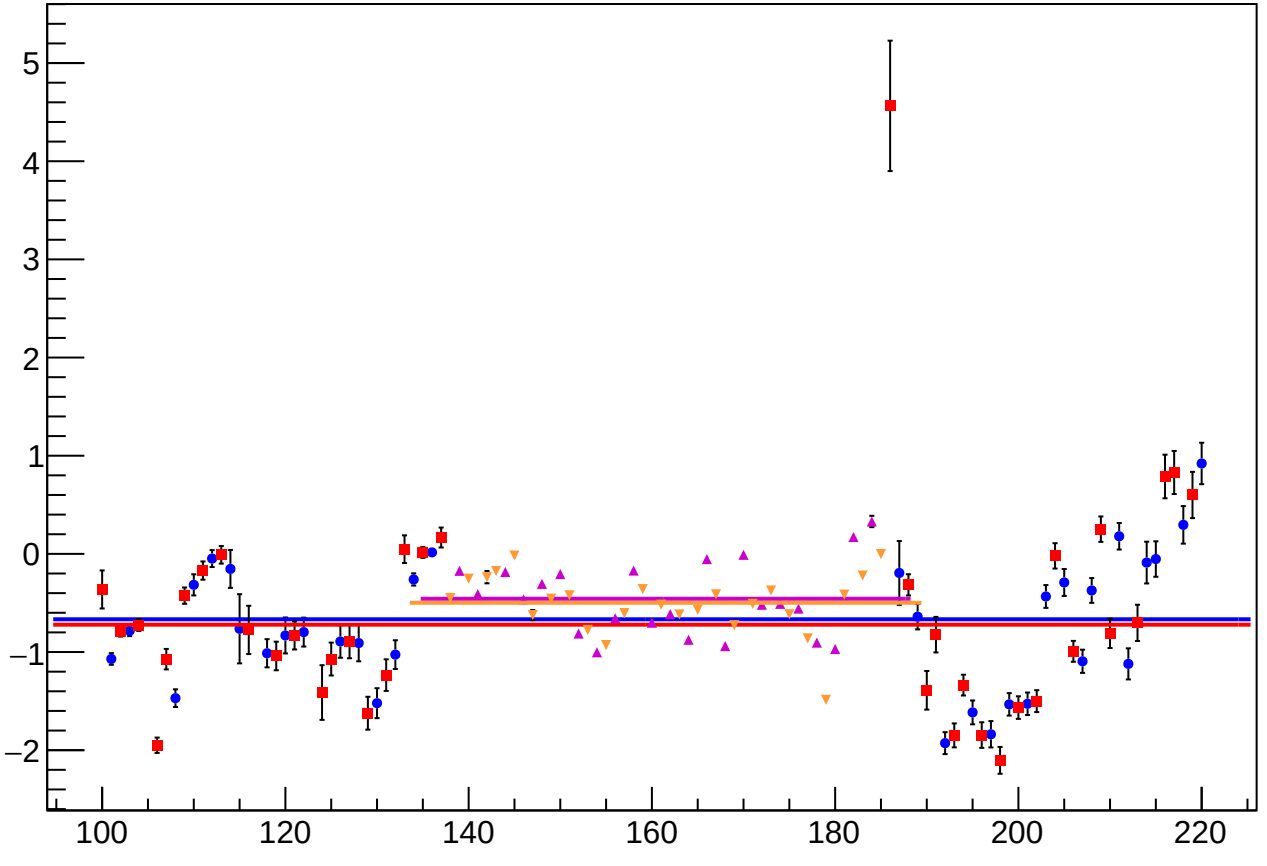
Right: 68.951+/-0.269 χ^2/NDF: 12960.5/69

In: 71.956+/-0.158 χ^2/NDF:9480.5/55

Out: 72.121+/-0.154 χ^2/NDF:10610.9/61

All: 72.040+/-0.110 χ^2/NDF: 20091.9/117

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.666+/-0.019 χ^2/NDF: 1073.4/32

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.721+/-0.018 χ^2/NDF: 1420.4/36

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

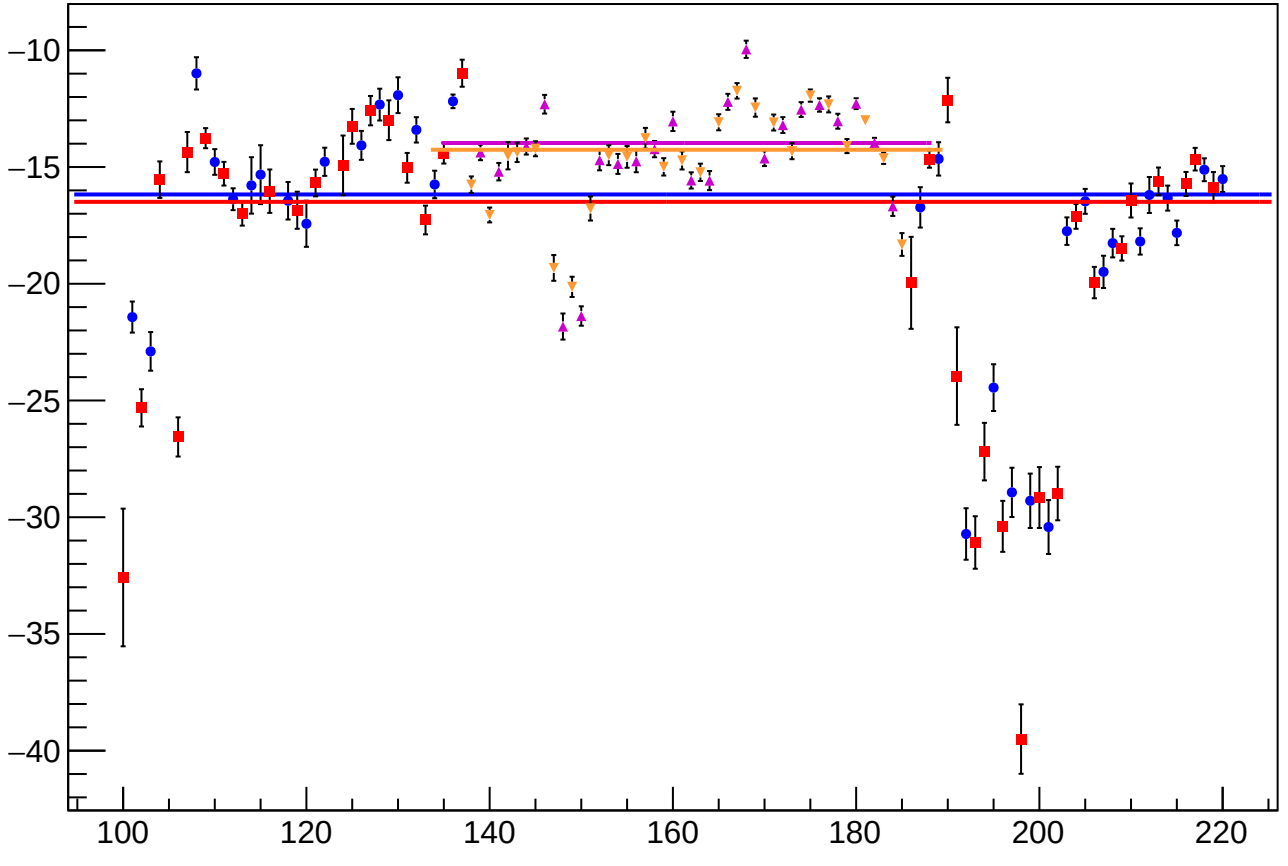
Right: -0.694+/-0.013 χ^2/NDF: 2498.2/69

In: -0.488+/-0.007 χ^2/NDF:3284.6/55

Out: -0.530+/-0.007 χ^2/NDF:3029.0/61

All: -0.509+/-0.005 χ^2/NDF: 6331.4/117

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.175+/-0.110 χ^2/NDF: 1229.5/32

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.491+/-0.110 χ^2/NDF: 1529.8/36

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

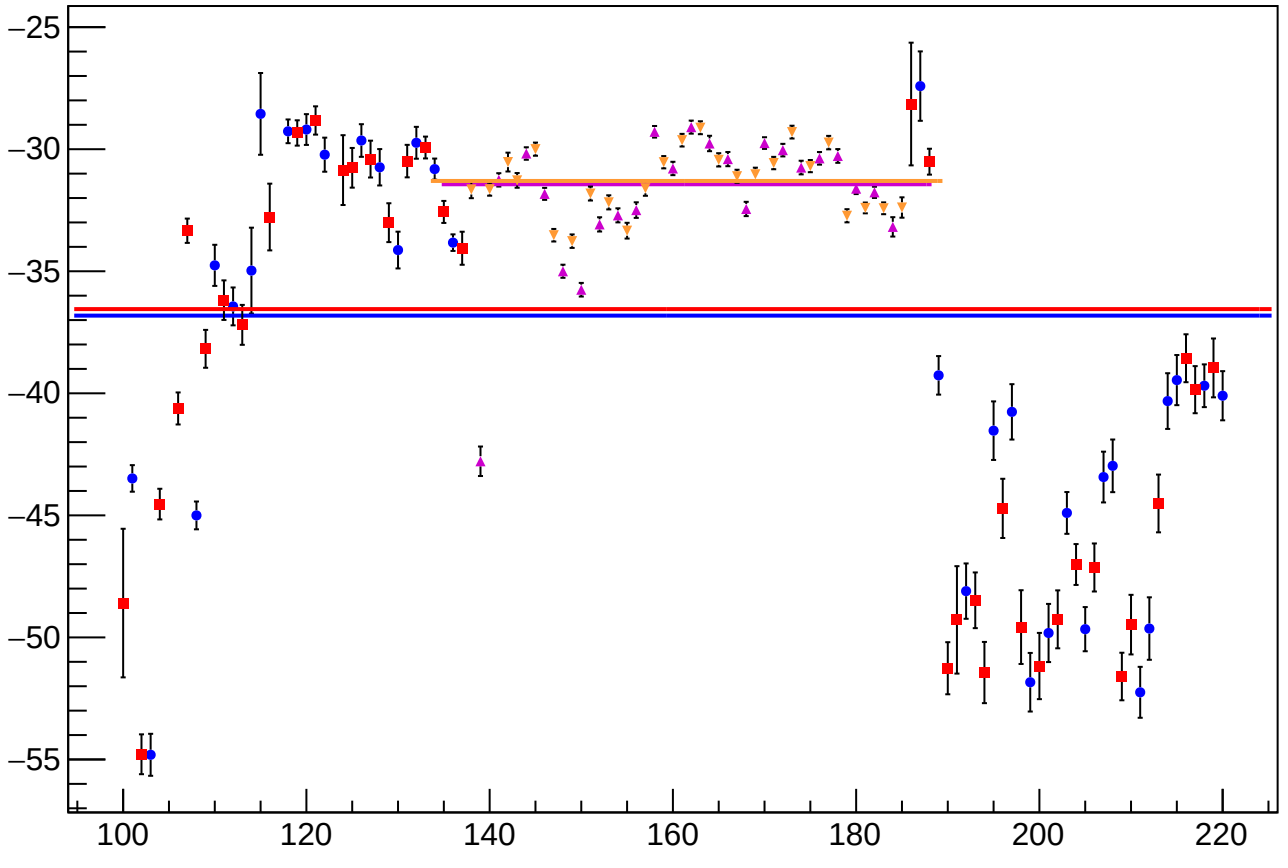
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -16.332+/-0.078 χ^2/NDF: 2763.5/69

In: -14.631+/-0.060 χ^2/NDF:2419.0/55

Out: -14.897+/-0.059 χ^2/NDF:2546.1/61

All: -14.767+/-0.042 χ^2/NDF: 4975.1/117



Right In: -36.817+/-0.131 χ^2/NDF: 3061.4/32

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.550+/-0.131 χ^2/NDF: 3339.6/36

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

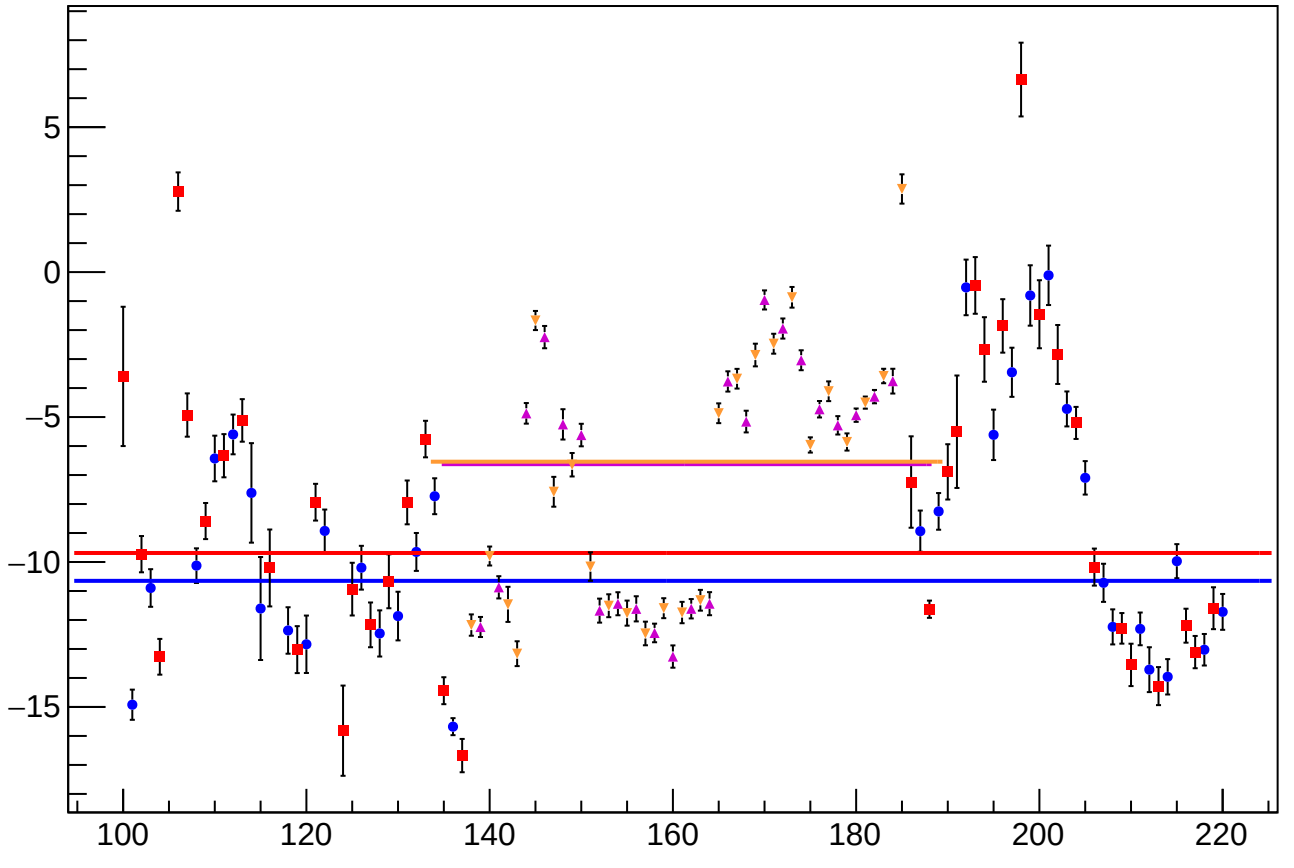
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

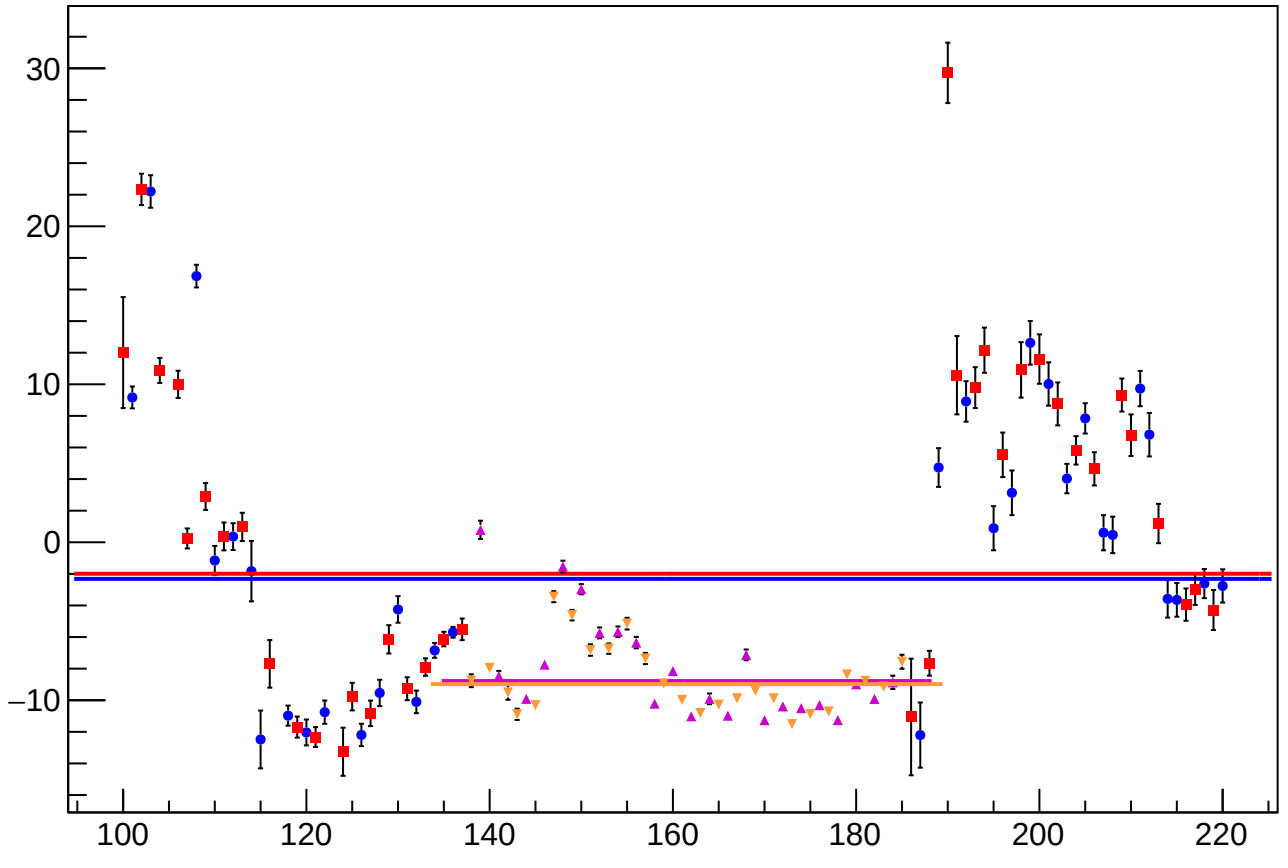
Right: -36.683+/-0.093 χ^2/NDF: 6403.1/69

In: -32.299+/-0.052 χ^2/NDF:5691.5/55

Out: -32.094+/-0.051 χ^2/NDF:5258.0/61

All: -32.194+/-0.037 χ^2/NDF: 10957.4/117


reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
5
0
−5
−10
−15
100
120
140
160
180
200
220
Right In: -10.650+/-0.114 χ²/NDF: 1146.5/32
Left Out: -6.540+/-0.070 χ²/NDF:3242.5/24
Right Out: -9.689+/-0.114 χ²/NDF: 1597.2/36
Left In: -6.625+/-0.071 χ²/NDF:2908.0/22
Left: -6.581+/-0.050 χ²/NDF: 6151.3/47
Right: -10.168+/-0.081 χ²/NDF: 2779.0/69
In: -7.753+/-0.061 χ²/NDF:4944.5/55
Out: -7.391+/-0.059 χ²/NDF:5394.3/61
All: -7.569+/-0.042 χ²/NDF: 10356.9/117



Right In: -2.316+/-0.147 χ^2/NDF: 3325.9/32

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -1.992+/-0.151 χ^2/NDF: 3285.1/36

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

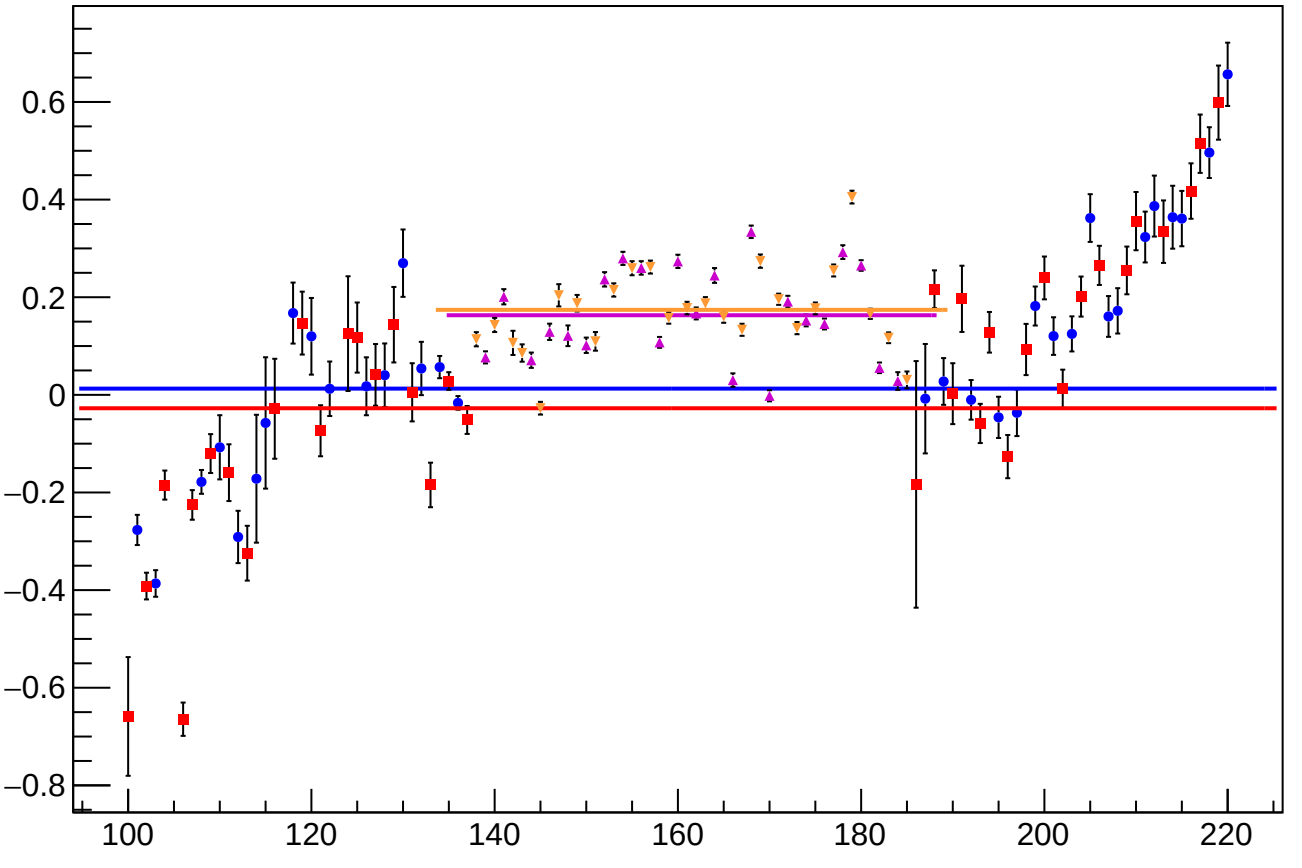
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.158+/-0.105 χ^2/NDF: 6613.4/69

In: -7.772+/-0.058 χ^2/NDF:6641.4/55

Out: -7.979+/-0.057 χ^2/NDF:6103.0/61

All: -7.878+/-0.041 χ^2/NDF: 12750.8/117



Right In: 0.013+/-0.007 χ^2/NDF: 870.2/32

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.027+/-0.007 χ^2/NDF: 1220.9/36

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

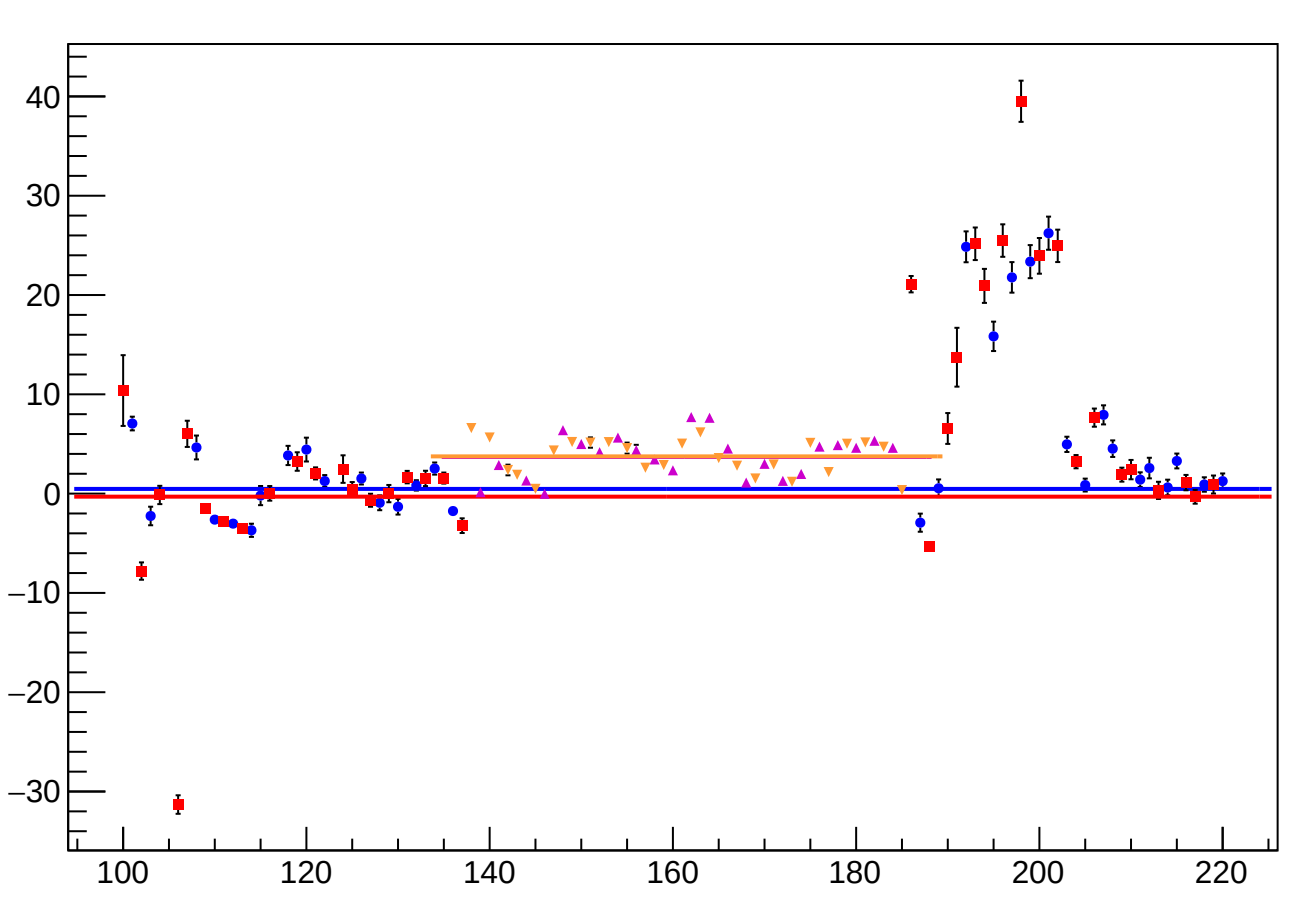
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.007+/-0.005 χ^2/NDF: 2107.5/69

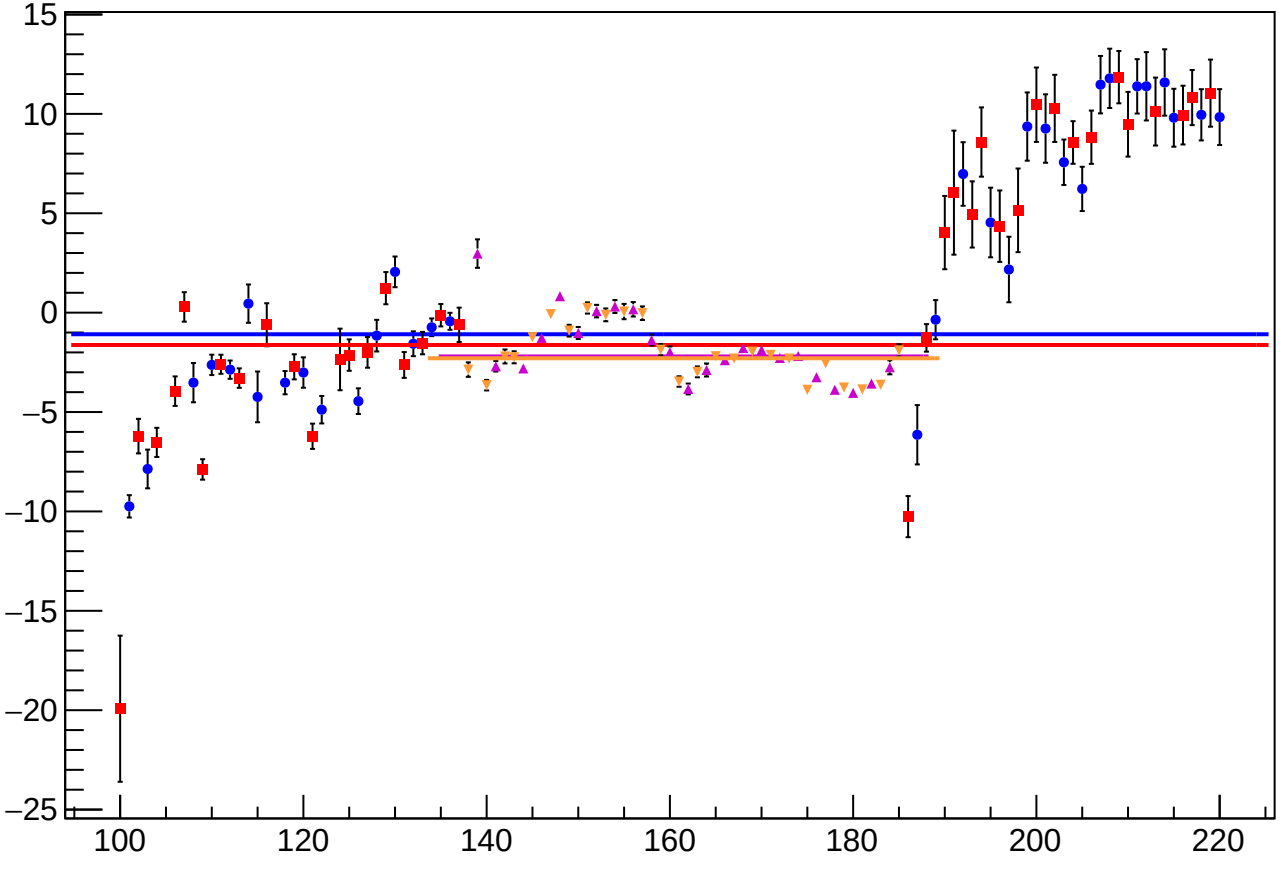
In: 0.142+/-0.003 χ^2/NDF:2474.6/55

Out: 0.149+/-0.003 χ^2/NDF:2835.3/61

All: 0.145+/-0.002 χ^2/NDF: 5313.3/117


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: 0.474+/-0.116 χ²/NDF: 1605.5/32
Left Out: 3.750+/-0.062 χ²/NDF:809.8/24
Right Out: -0.306+/-0.111 χ²/NDF: 3866.4/36
Left In: 3.688+/-0.064 χ²/NDF:953.3/22
Left: 3.720+/-0.044 χ²/NDF: 1763.6/47
Right: 0.066+/-0.080 χ²/NDF: 5495.6/69
In: 2.939+/-0.056 χ²/NDF:3148.1/55
Out: 2.782+/-0.054 χ²/NDF:5698.6/61
All: 2.858+/-0.039 χ²/NDF: 8850.9/117

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.087+/-0.142 χ^2/NDF: 1183.9/32

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -1.627+/-0.142 χ^2/NDF: 1154.1/36

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

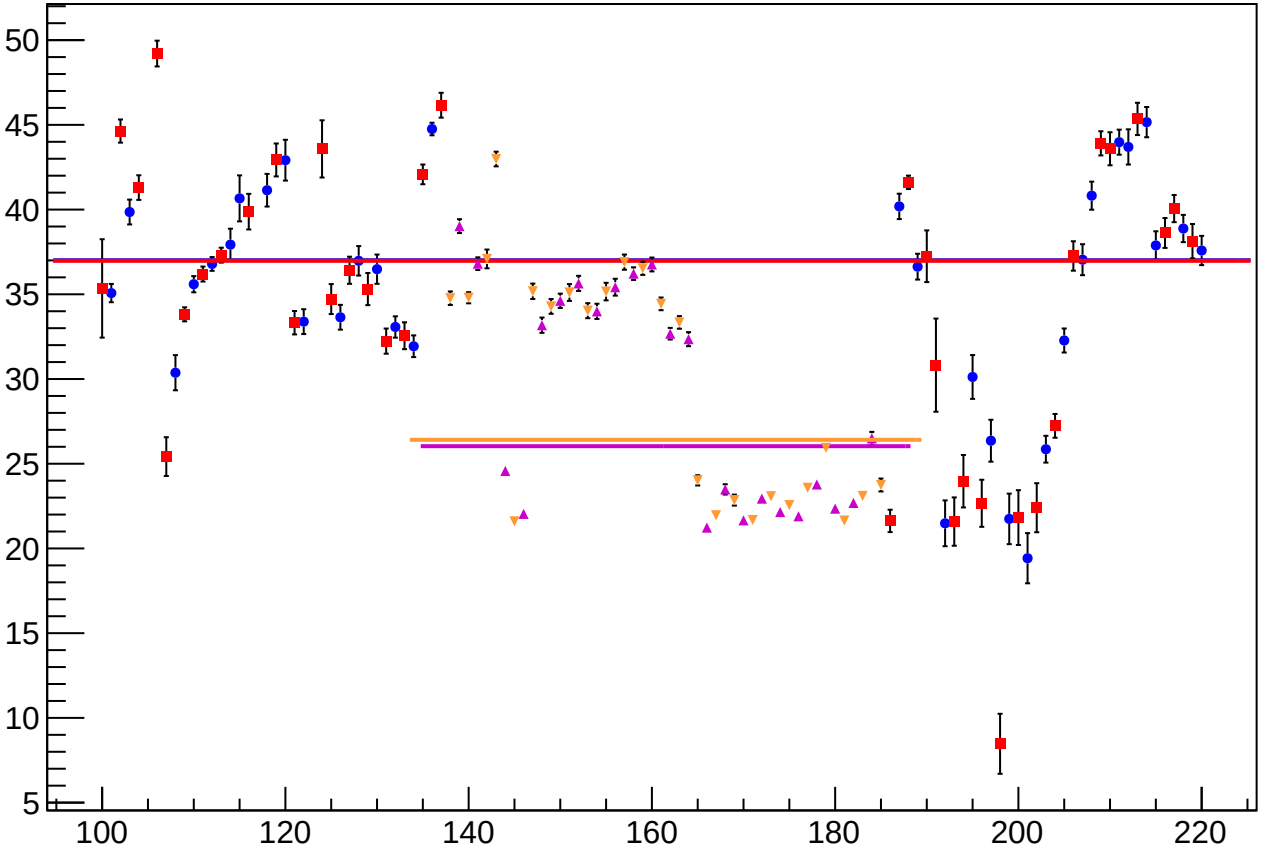
Right: -1.358+/-0.100 χ^2/NDF: 2345.2/69

In: -2.078+/-0.048 χ^2/NDF:1963.4/55

Out: -2.222+/-0.047 χ^2/NDF:1805.2/61

All: -2.151+/-0.033 χ^2/NDF: 3773.2/117

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.009+/-0.130 χ^2/NDF: 1698.0/32

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.979+/-0.126 χ^2/NDF: 2842.2/36

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

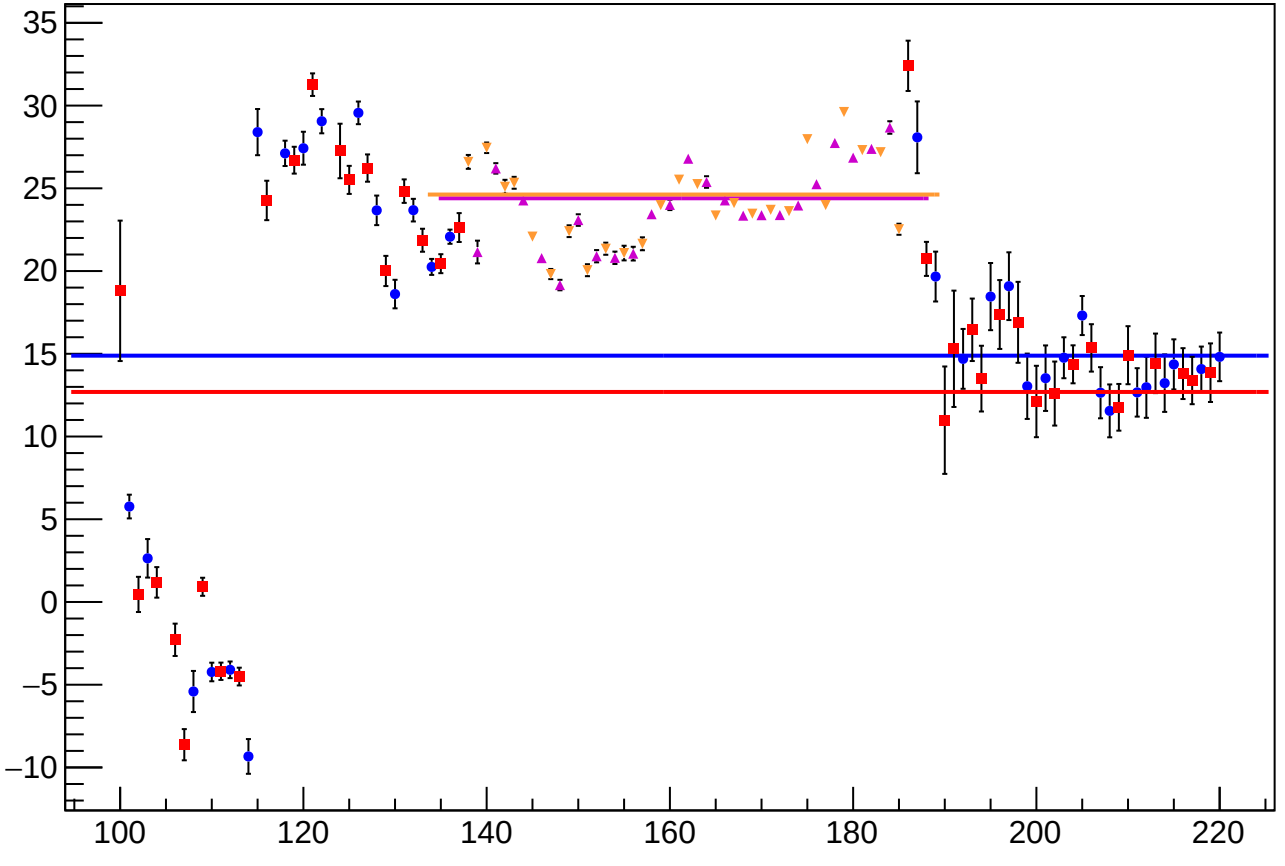
Right: 36.994+/-0.091 χ^2/NDF: 4540.3/69

In: 28.179+/-0.057 χ^2/NDF:15305.4/55

Out: 28.473+/-0.056 χ^2/NDF:17682.0/61

All: 28.330+/-0.040 χ^2/NDF: 33000.9/117

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.886+/-0.159 χ^2/NDF: 5757.7/32

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.693+/-0.161 χ^2/NDF: 6374.9/36

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

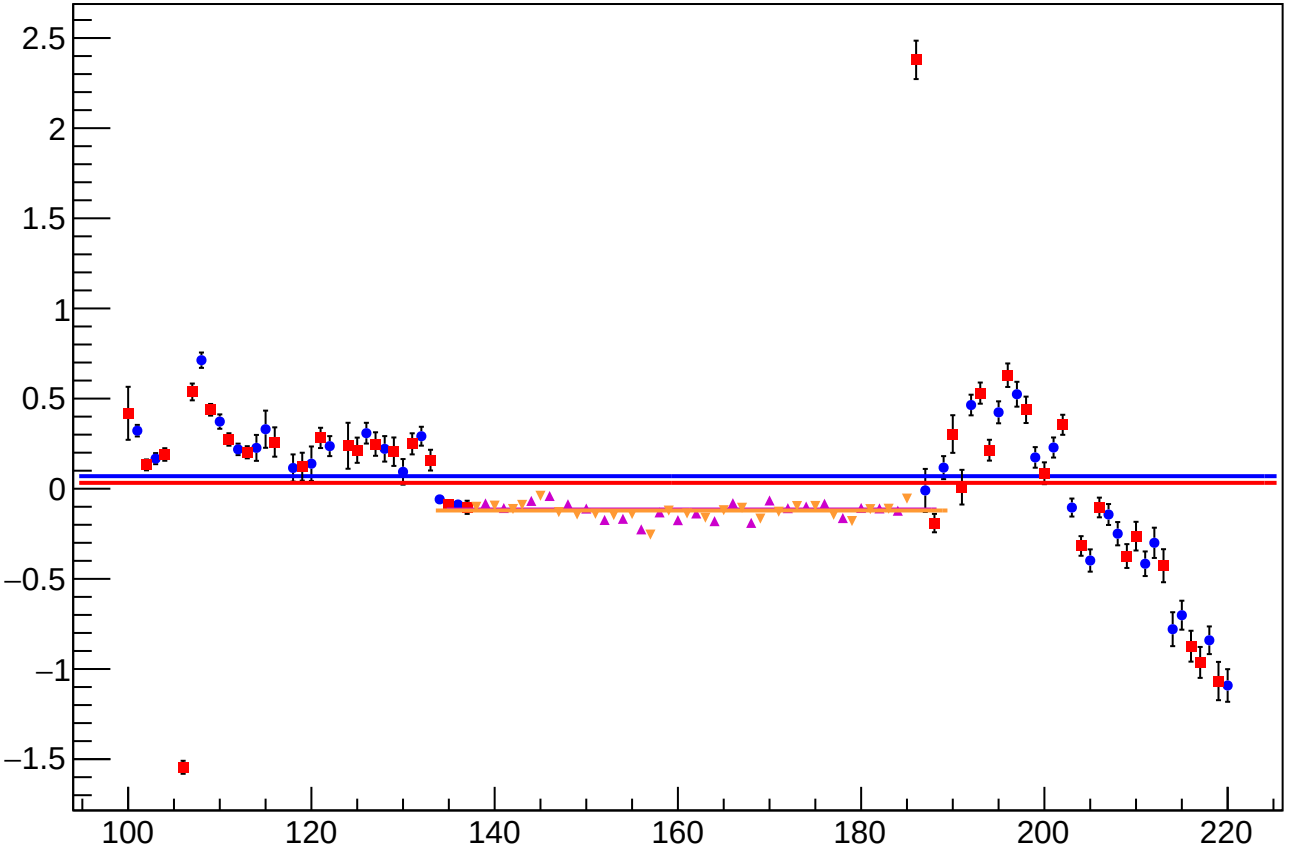
Right: 13.806+/-0.113 χ^2/NDF: 12226.8/69

In: 23.328+/-0.053 χ^2/NDF:10664.1/55

Out: 23.371+/-0.052 χ^2/NDF:13238.4/61

All: 23.350+/-0.037 χ^2/NDF: 23902.8/117

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.070+/-0.008 χ^2/NDF: 1345.4/32

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.033+/-0.008 χ^2/NDF: 3634.7/36

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

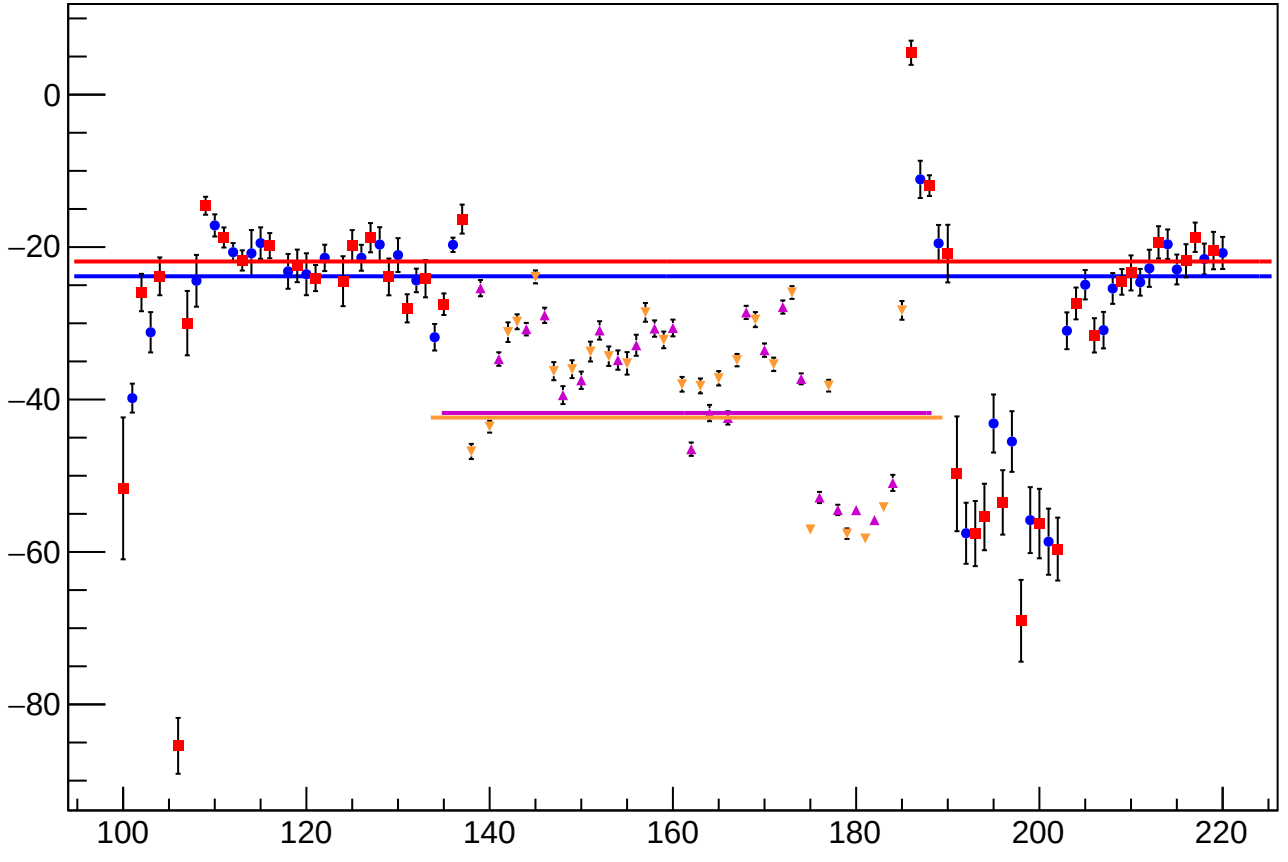
Right: 0.052+/-0.006 χ^2/NDF: 4990.2/69

In: -0.099+/-0.002 χ^2/NDF:2108.8/55

Out: -0.109+/-0.002 χ^2/NDF:4206.7/61

All: -0.104+/-0.002 χ^2/NDF: 6323.3/117

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.833+/-0.347 χ^2/NDF: 464.3/32

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.889+/-0.344 χ^2/NDF: 1207.3/36

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

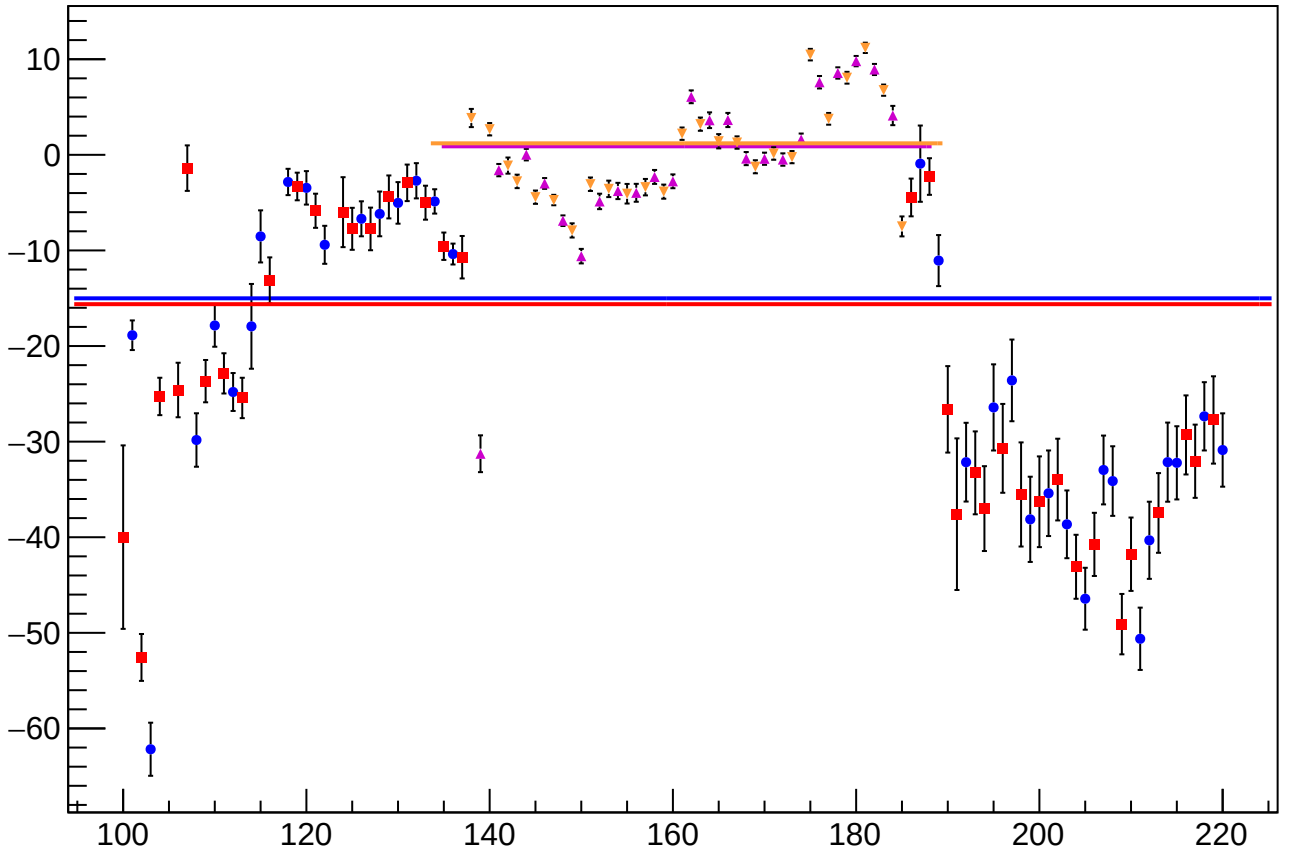
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.851+/-0.244 χ^2/NDF: 1687.5/69

In: -37.913+/-0.161 χ^2/NDF:6014.5/55

Out: -38.148+/-0.156 χ^2/NDF:8498.1/61

All: -38.034+/-0.112 χ^2/NDF: 14513.7/117



Right In: -15.010+/-0.405 χ^2/NDF: 1172.7/32

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -15.622+/-0.416 χ^2/NDF: 1156.5/36

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

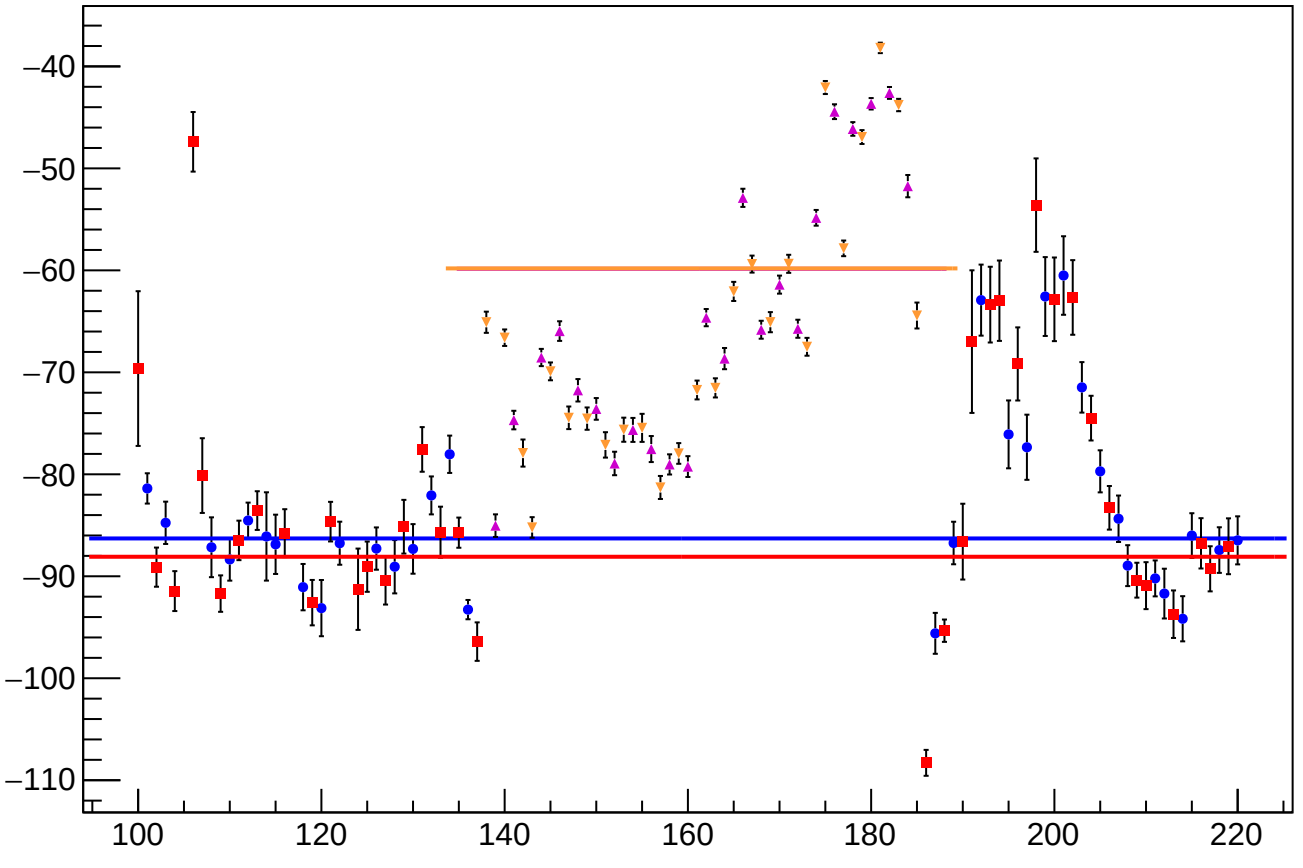
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -15.308+/-0.290 χ^2/NDF: 2330.4/69

In: -0.870+/-0.135 χ^2/NDF:4305.3/55

Out: -0.468+/-0.131 χ^2/NDF:4093.4/61

All: -0.663+/-0.094 χ^2/NDF: 8403.3/117



Right In: -86.291+/-0.369 χ^2/NDF: 343.1/32

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.086+/-0.365 χ^2/NDF: 890.6/36

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

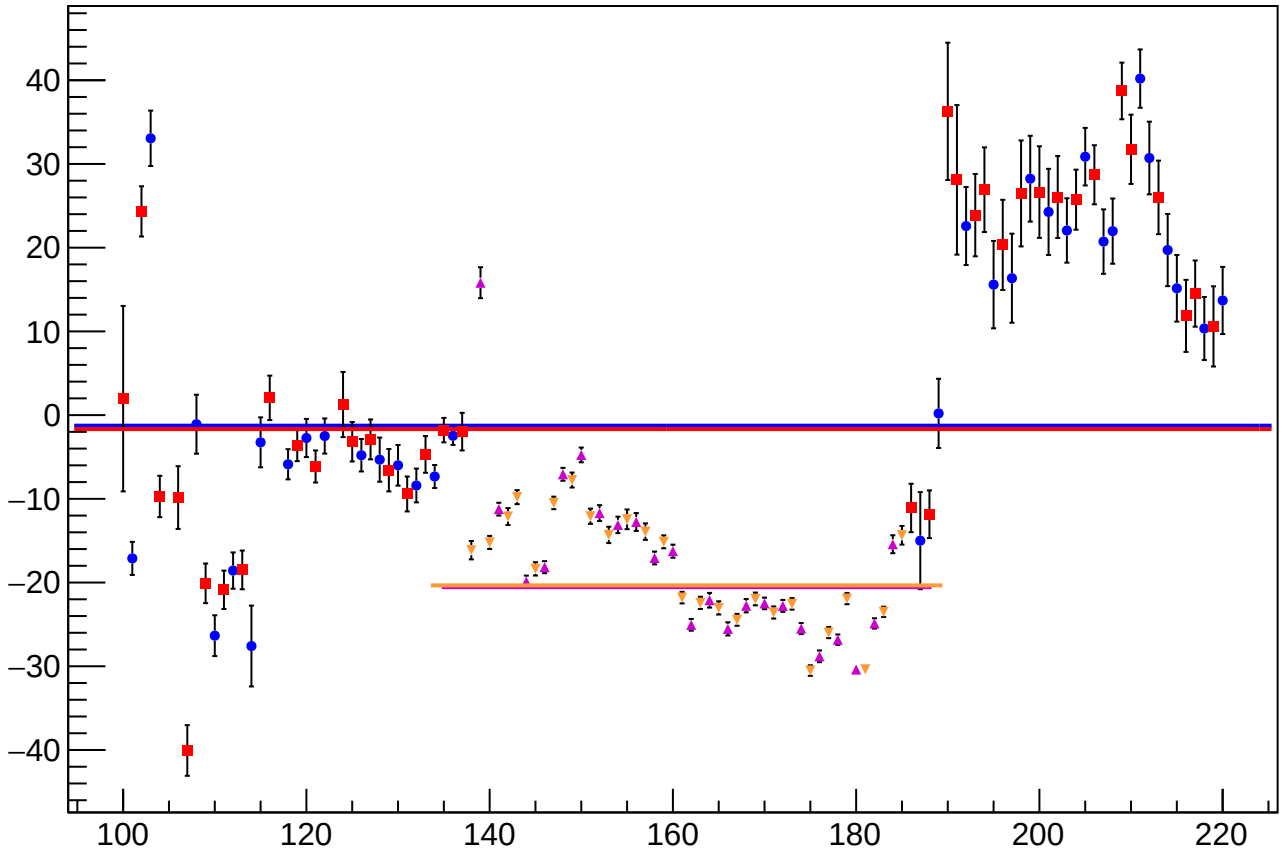
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -87.198+/-0.260 χ^2/NDF: 1245.6/69

In: -64.973+/-0.163 χ^2/NDF:10012.4/55

Out: -65.102+/-0.158 χ^2/NDF:12405.4/61

All: -65.039+/-0.113 χ^2/NDF: 22418.2/117



Right In: -1.263+/-0.455 χ^2/NDF: 984.9/32

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -1.673+/-0.476 χ^2/NDF: 1087.7/36

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

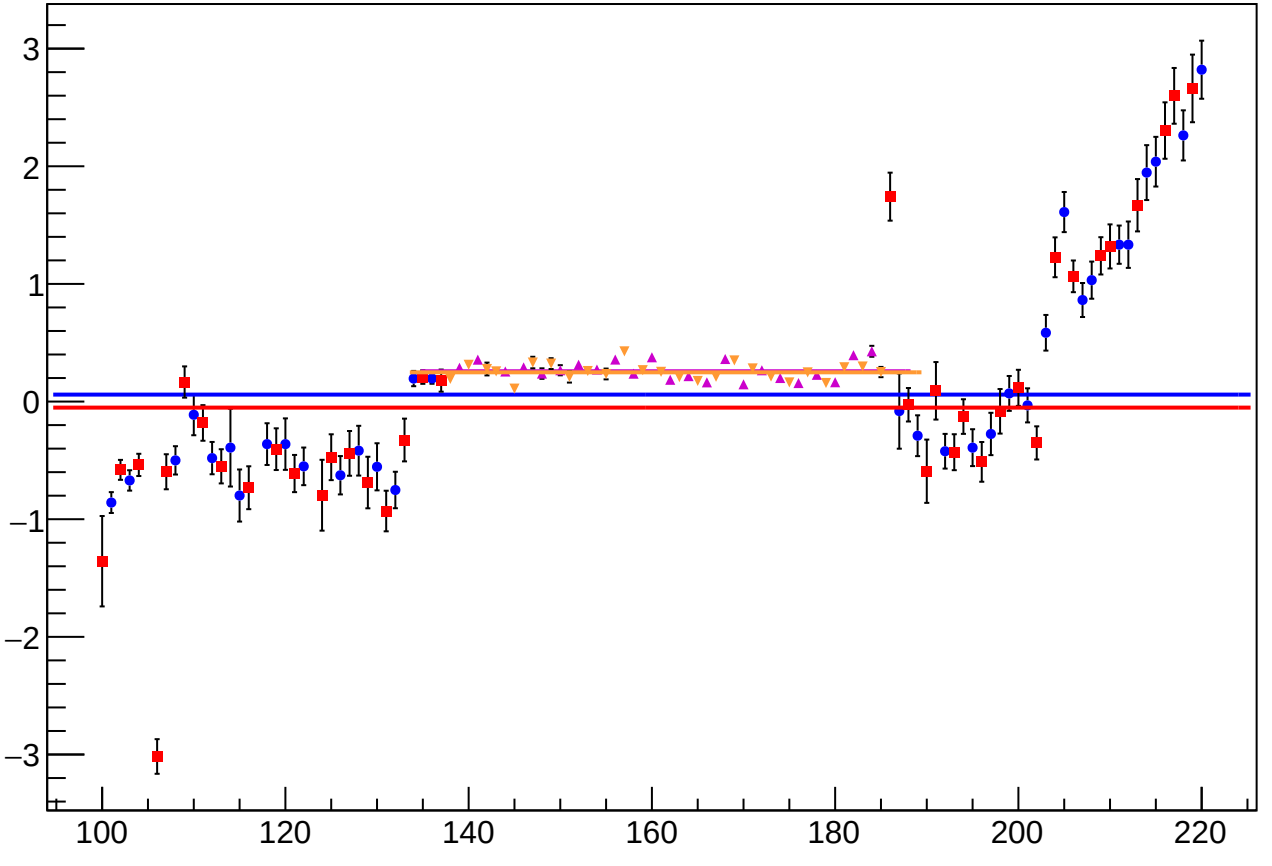
Right: -1.459+/-0.329 χ^2/NDF: 2073.0/69

In: -18.442+/-0.151 χ^2/NDF:4779.3/55

Out: -18.559+/-0.147 χ^2/NDF:4179.0/61

All: -18.502+/-0.105 χ^2/NDF: 8958.6/117

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.059+/-0.023 χ^2/NDF: 1009.4/32

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.051+/-0.024 χ^2/NDF: 1336.9/36

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

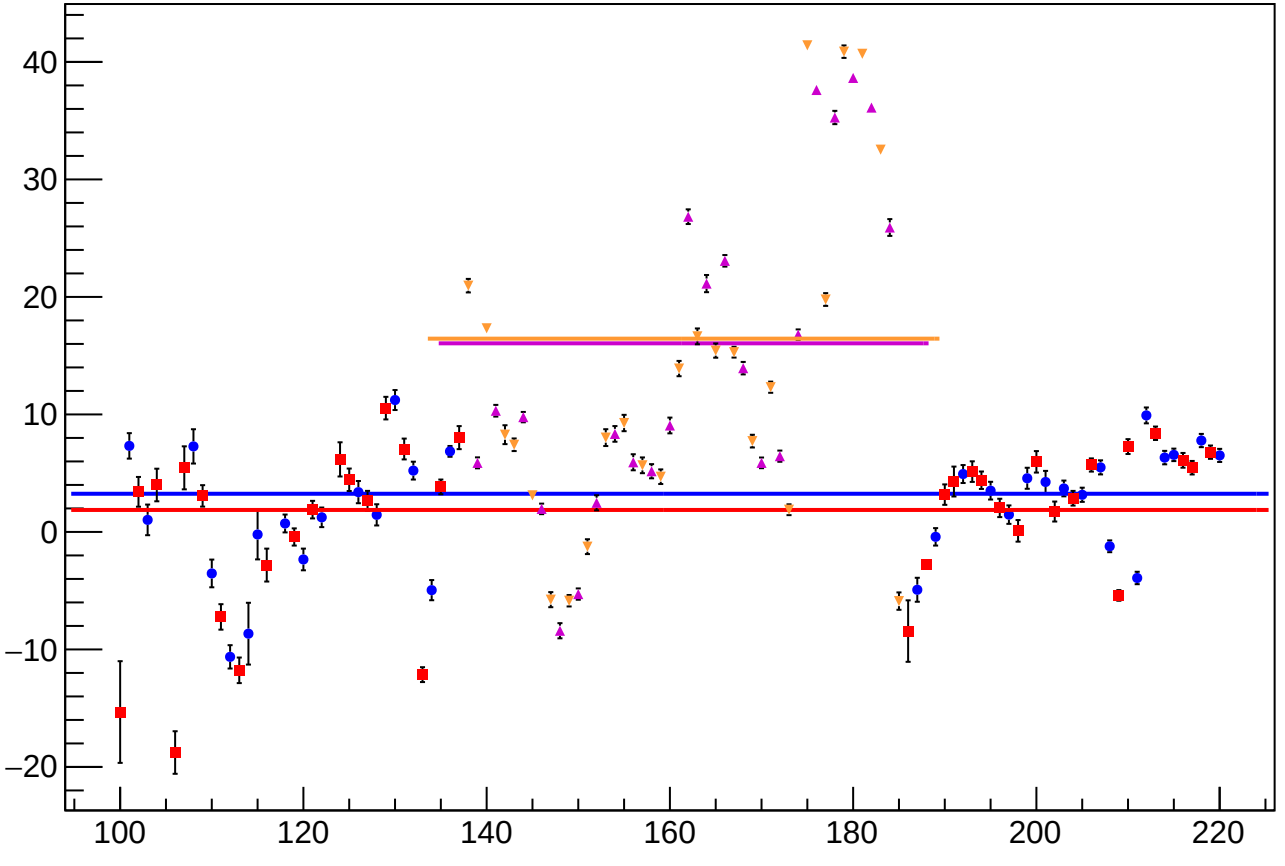
Right: 0.007+/-0.016 χ^2/NDF: 2357.5/69

In: 0.240+/-0.007 χ^2/NDF:1213.9/55

Out: 0.225+/-0.007 χ^2/NDF:1574.4/61

All: 0.232+/-0.005 χ^2/NDF: 2790.5/117

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.249+/-0.129 χ^2/NDF: 1224.2/32

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 1.870+/-0.126 χ^2/NDF: 1967.3/36

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

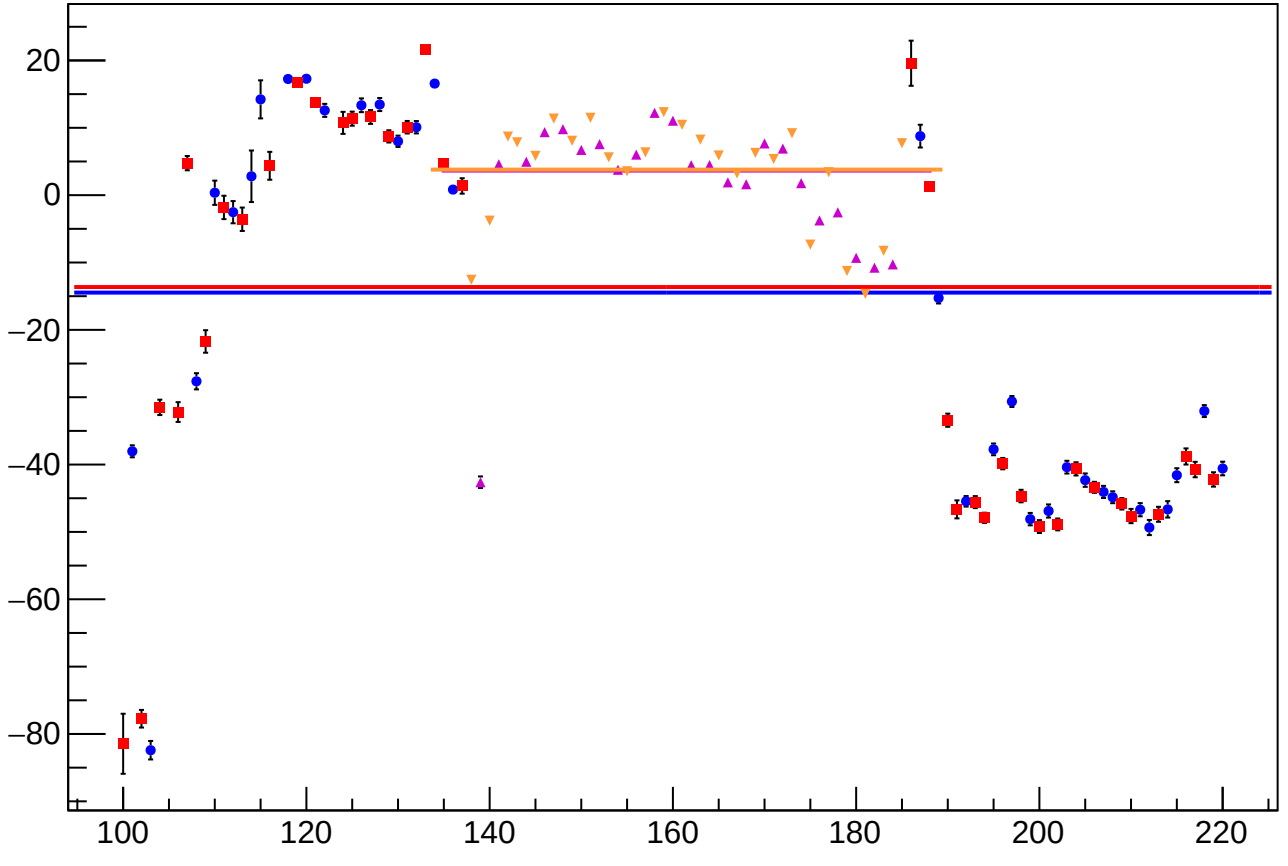
Right: 2.547+/-0.090 χ^2/NDF: 3250.1/69

In: 10.796+/-0.082 χ^2/NDF:24700.0/55

Out: 10.553+/-0.080 χ^2/NDF:31313.2/61

All: 10.671+/-0.057 χ^2/NDF: 56017.7/117

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -14.467+/-0.155 χ^2/NDF: 31795.4/32

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -13.642+/-0.151 χ^2/NDF: 36006.9/36

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

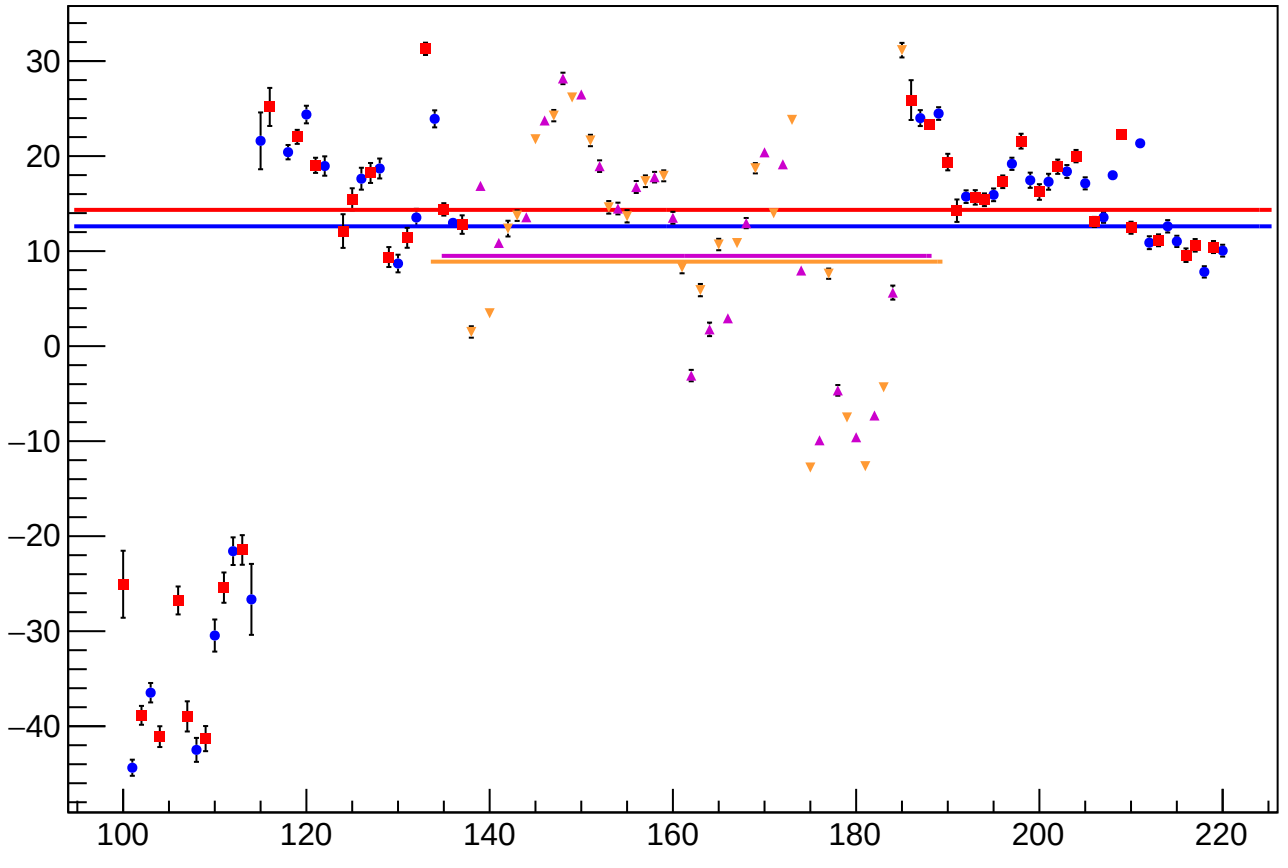
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -14.043+/-0.108 χ^2/NDF: 67816.7/69

In: -0.381+/-0.073 χ^2/NDF:50712.1/55

Out: -0.039+/-0.071 χ^2/NDF:55513.5/61

All: -0.204+/-0.051 χ^2/NDF: 106236.9/117



Right In: 12.609+/-0.130 χ^2/NDF: 11909.4/32

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.341+/-0.125 χ^2/NDF: 12912.7/36

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

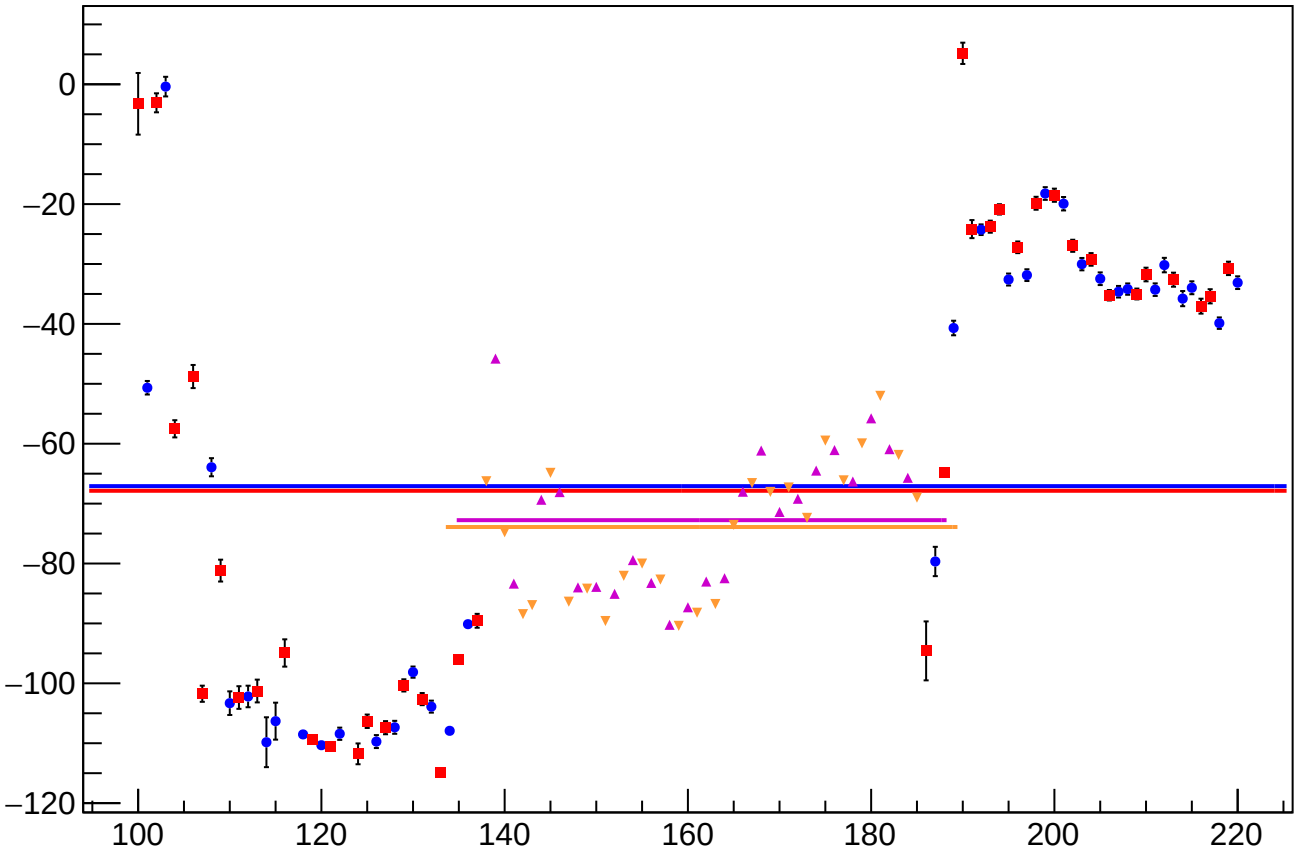
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.506+/-0.090 χ^2/NDF: 24914.4/69

In: 10.751+/-0.082 χ^2/NDF:25293.1/55

Out: 11.112+/-0.080 χ^2/NDF:29465.0/61

All: 10.937+/-0.057 χ^2/NDF: 54767.9/117



Right In: -67.083+/-0.177 χ^2/NDF: 42246.3/32

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -67.856+/-0.175 χ^2/NDF: 48612.2/36

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

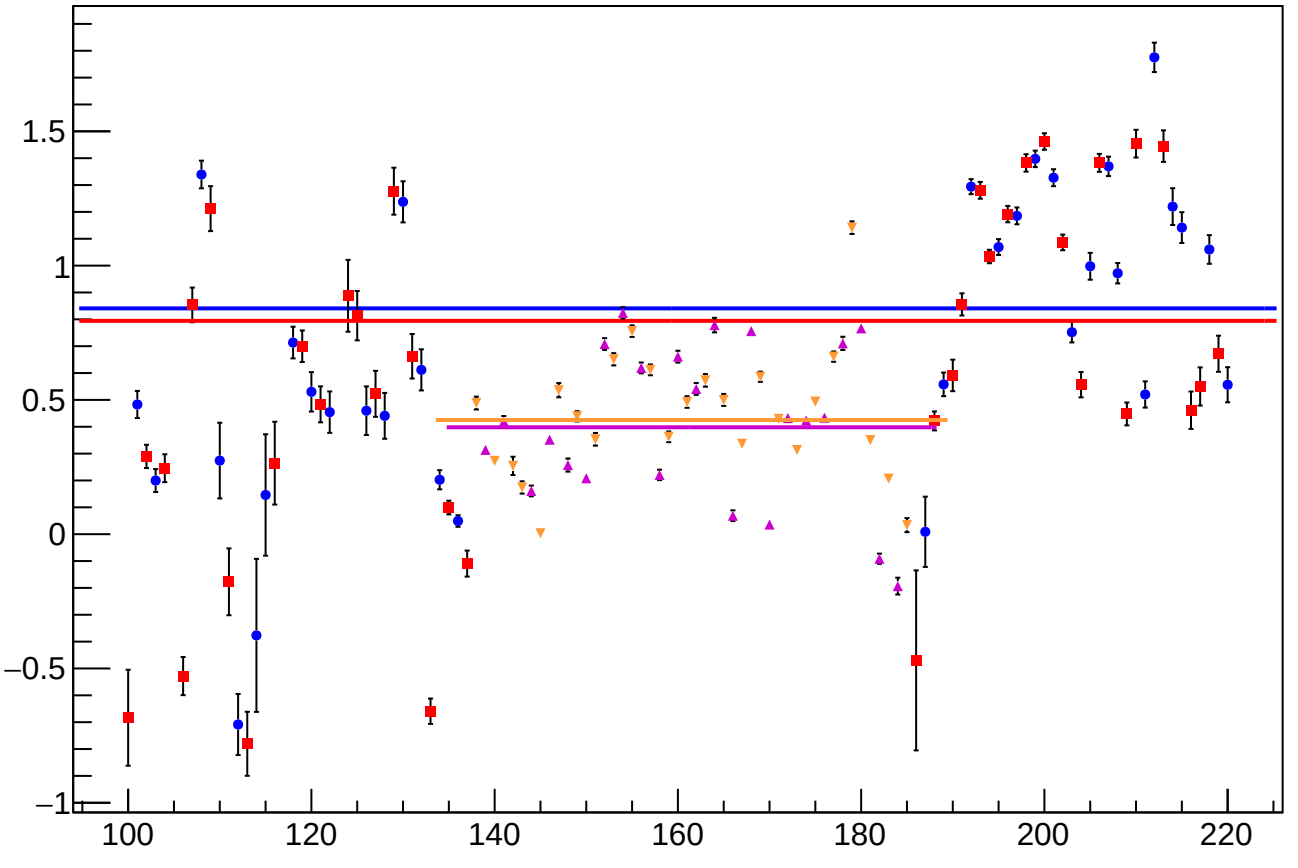
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -67.473+/-0.124 χ^2/NDF: 90868.2/69

In: -71.524+/-0.083 χ^2/NDF:55666.7/55

Out: -72.629+/-0.080 χ^2/NDF:65124.4/61

All: -72.091+/-0.058 χ^2/NDF: 120883.0/117



Right In: 0.841+/-0.008 χ^2/NDF: 4154.7/32

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.794+/-0.008 χ^2/NDF: 5314.9/36

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

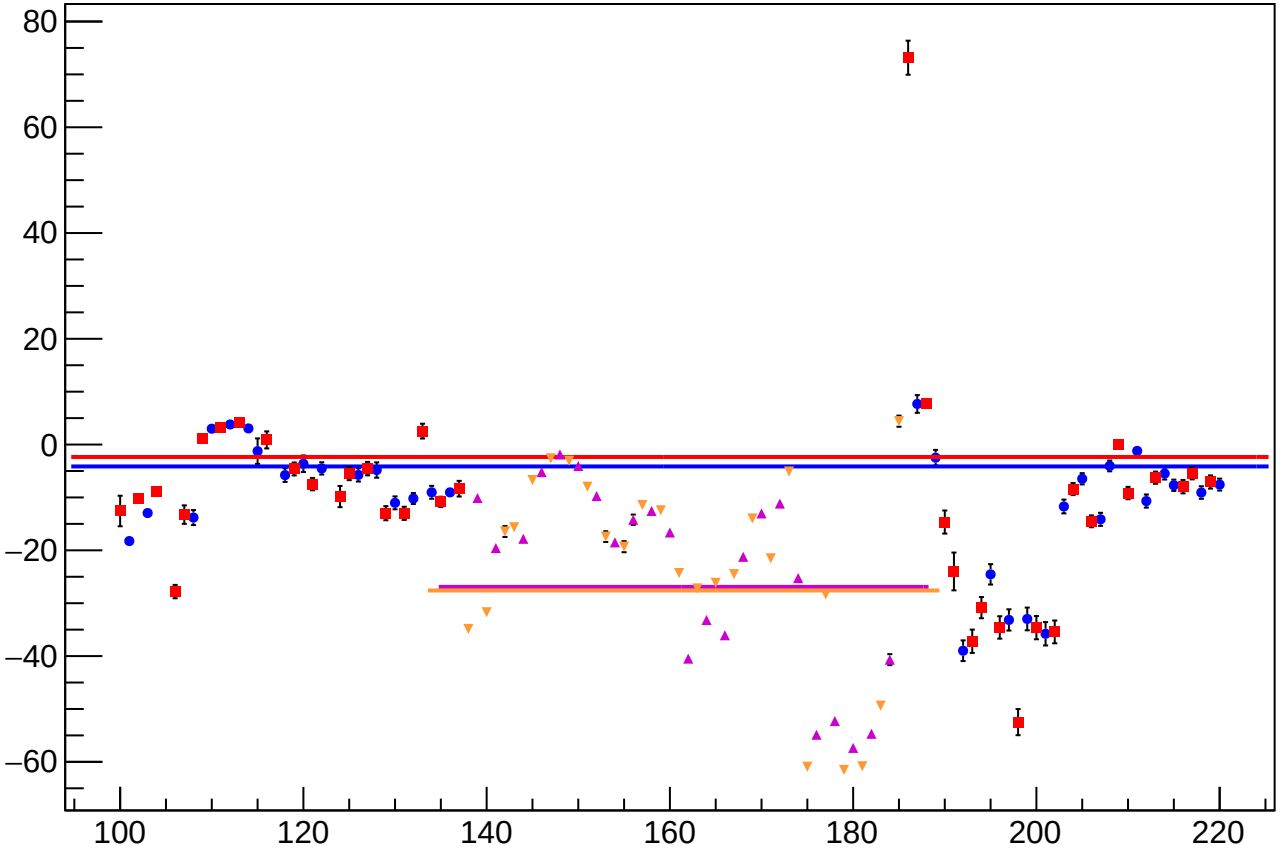
Right: 0.817+/-0.005 χ^2/NDF: 9487.4/69

In: 0.493+/-0.004 χ^2/NDF:10905.7/55

Out: 0.506+/-0.004 χ^2/NDF:10161.6/61

All: 0.500+/-0.003 χ^2/NDF: 21073.0/117

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.139+/-0.164 χ^2/NDF: 2851.2/32

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.348+/-0.150 χ^2/NDF: 4120.2/36

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

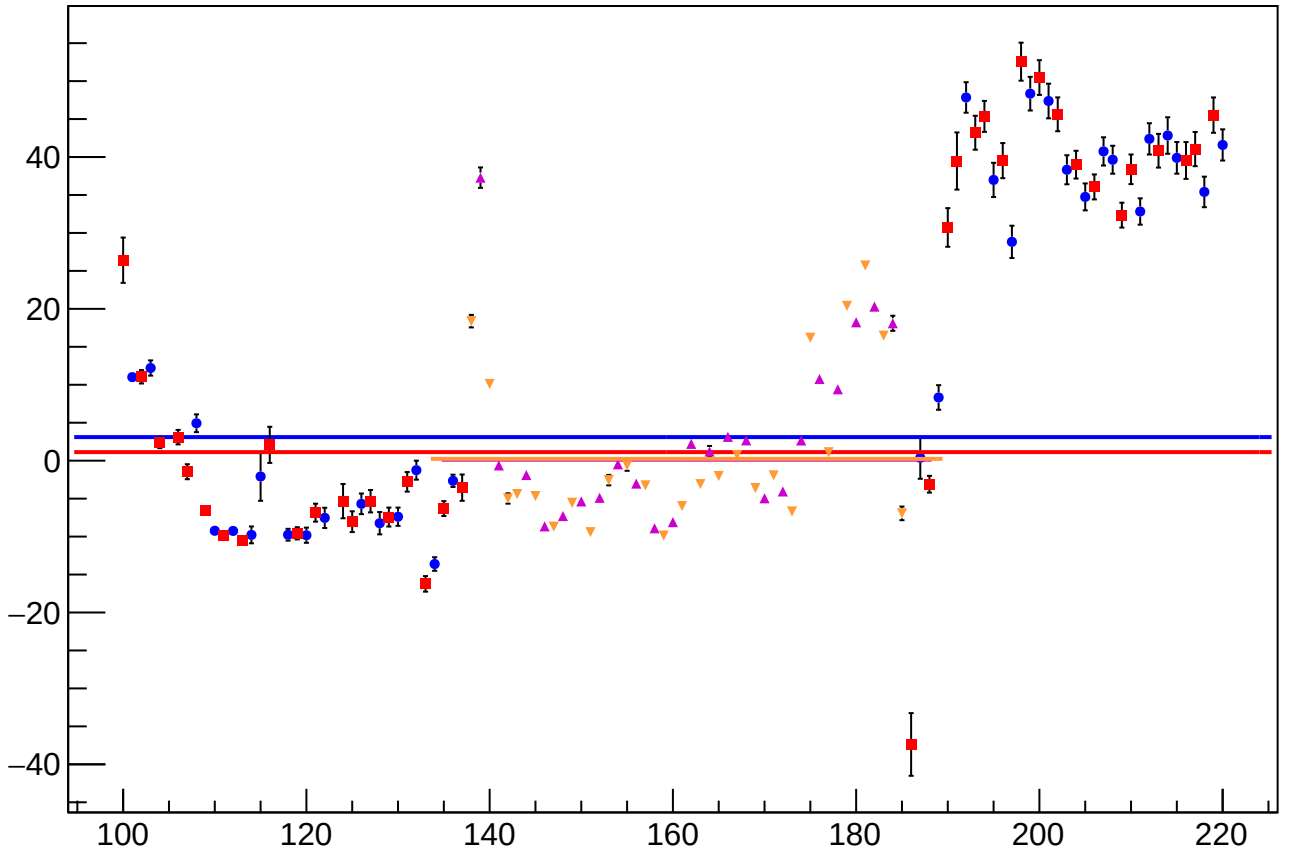
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -3.166+/-0.111 χ^2/NDF: 7036.2/69

In: -16.603+/-0.110 χ^2/NDF:28941.5/55

Out: -15.497+/-0.104 χ^2/NDF:38546.6/61

All: -16.018+/-0.076 χ^2/NDF: 67541.2/117



Right In: 3.106+/-0.205 χ^2/NDF: 7341.8/32

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: 1.127+/-0.199 χ^2/NDF: 7381.2/36

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

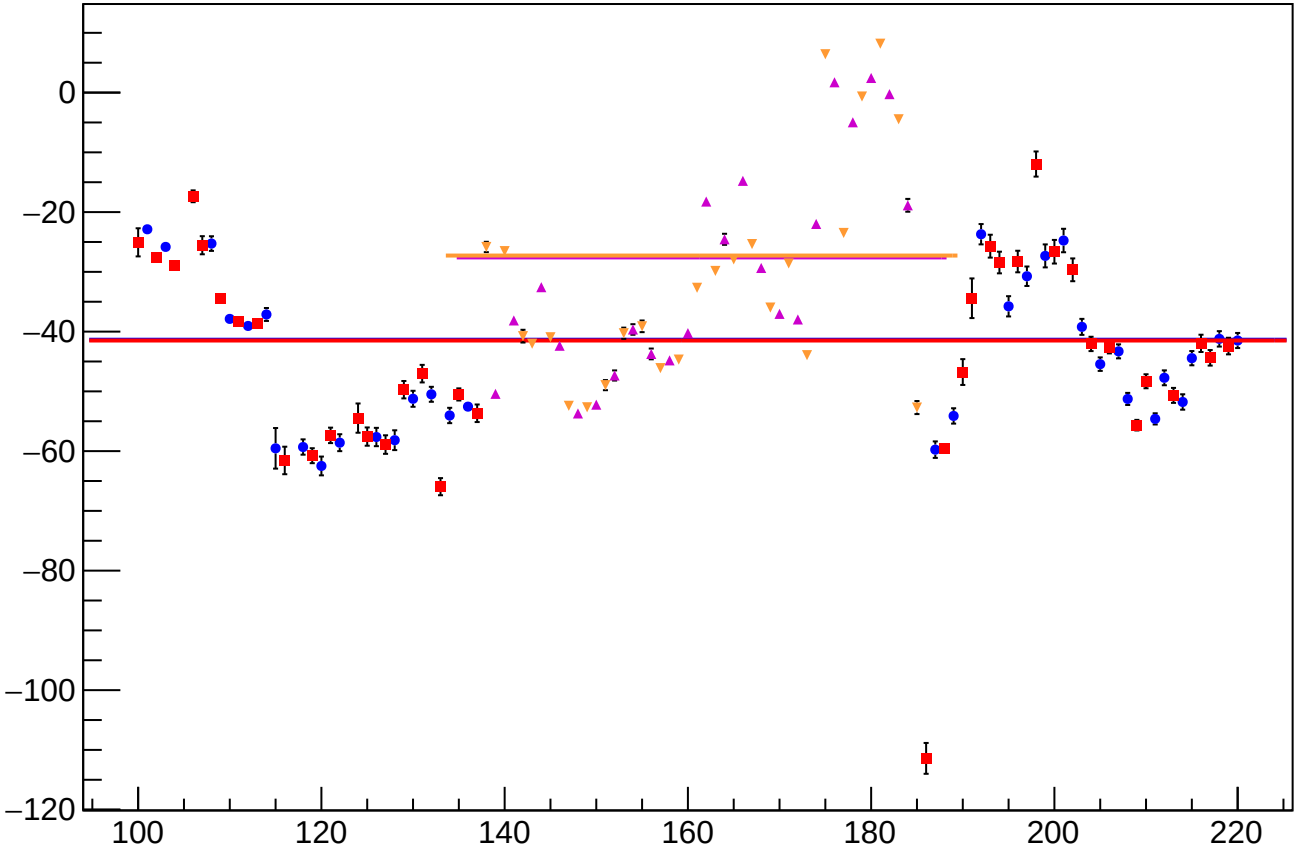
Right: 2.088+/-0.143 χ^2/NDF: 14771.0/69

In: 0.839+/-0.100 χ^2/NDF:13339.9/55

Out: 0.447+/-0.096 χ^2/NDF:15432.0/61

All: 0.636+/-0.069 χ^2/NDF: 28779.9/117

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.357+/-0.183 χ^2/NDF: 4004.9/32

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.489+/-0.175 χ^2/NDF: 5358.5/36

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

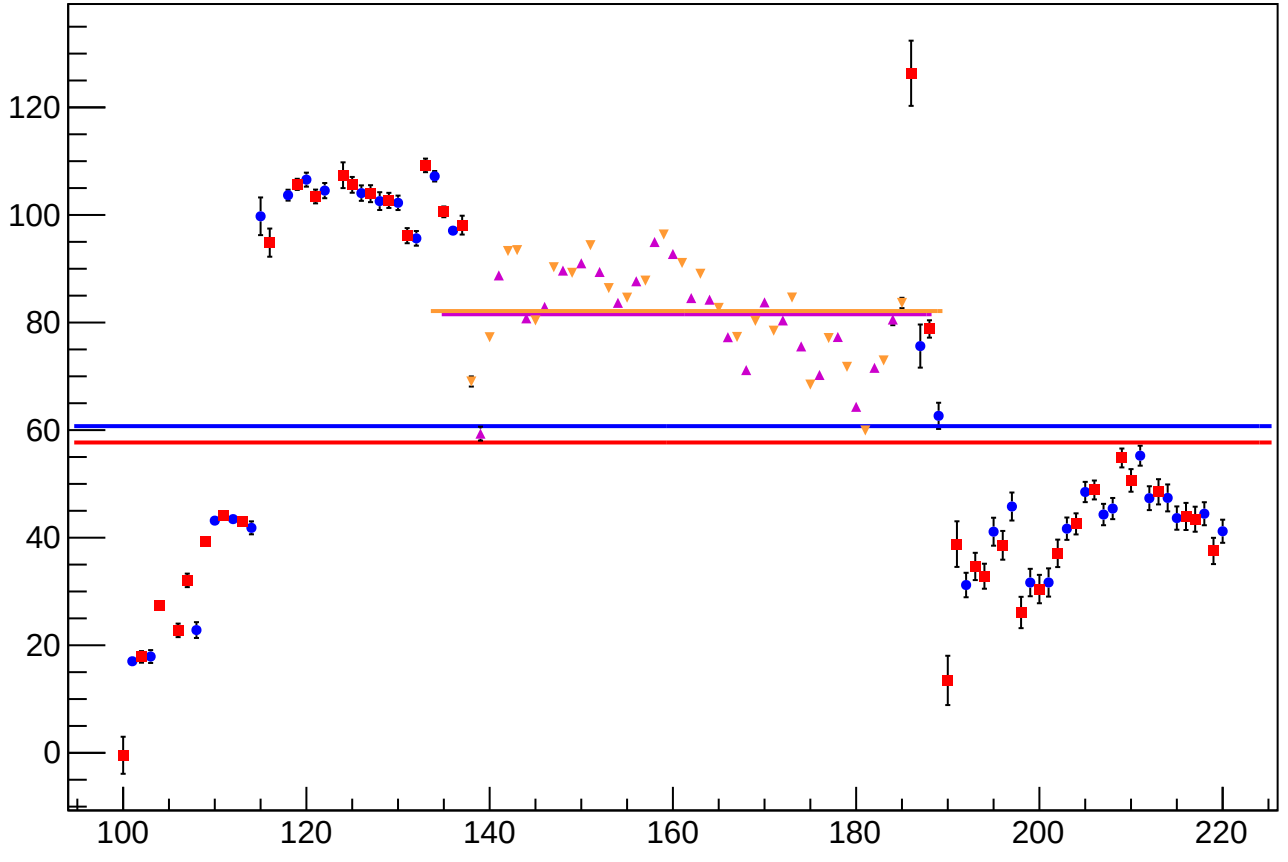
Right: -41.426+/-0.127 χ^2/NDF: 9363.7/69

In: -33.027+/-0.115 χ^2/NDF:23067.7/55

Out: -33.002+/-0.111 χ^2/NDF:27820.8/61

All: -33.014+/-0.080 χ^2/NDF: 50888.5/117

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 60.740+/-0.233 χ^2/NDF: 19834.2/32

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 57.700+/-0.227 χ^2/NDF: 18702.6/36

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

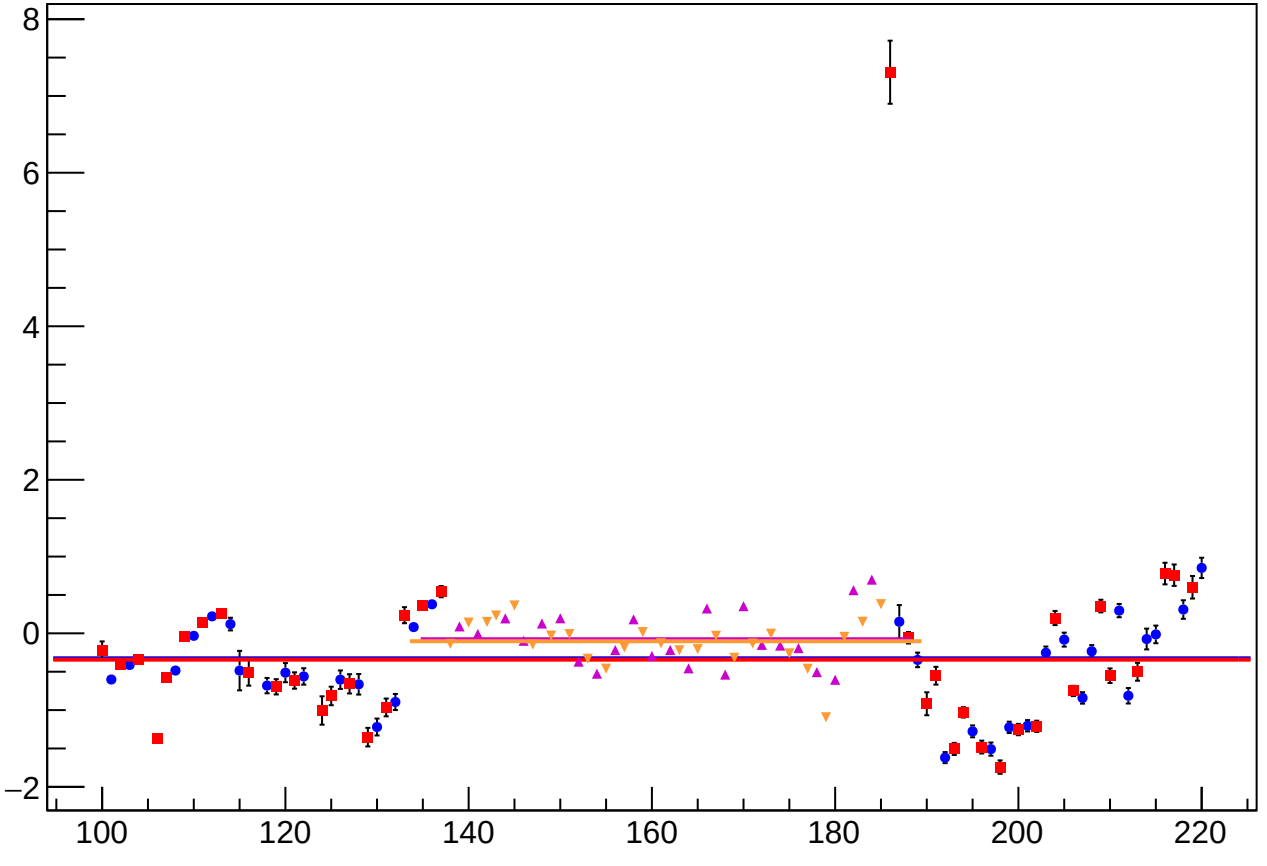
Right: 59.181+/-0.163 χ^2/NDF: 38624.1/69

In: 76.661+/-0.113 χ^2/NDF:29978.6/55

Out: 76.467+/-0.109 χ^2/NDF:32974.8/61

All: 76.561+/-0.079 χ^2/NDF: 62954.9/117

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.325+/-0.011 χ^2/NDF: 2226.8/32

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.343+/-0.011 χ^2/NDF: 3215.1/36

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

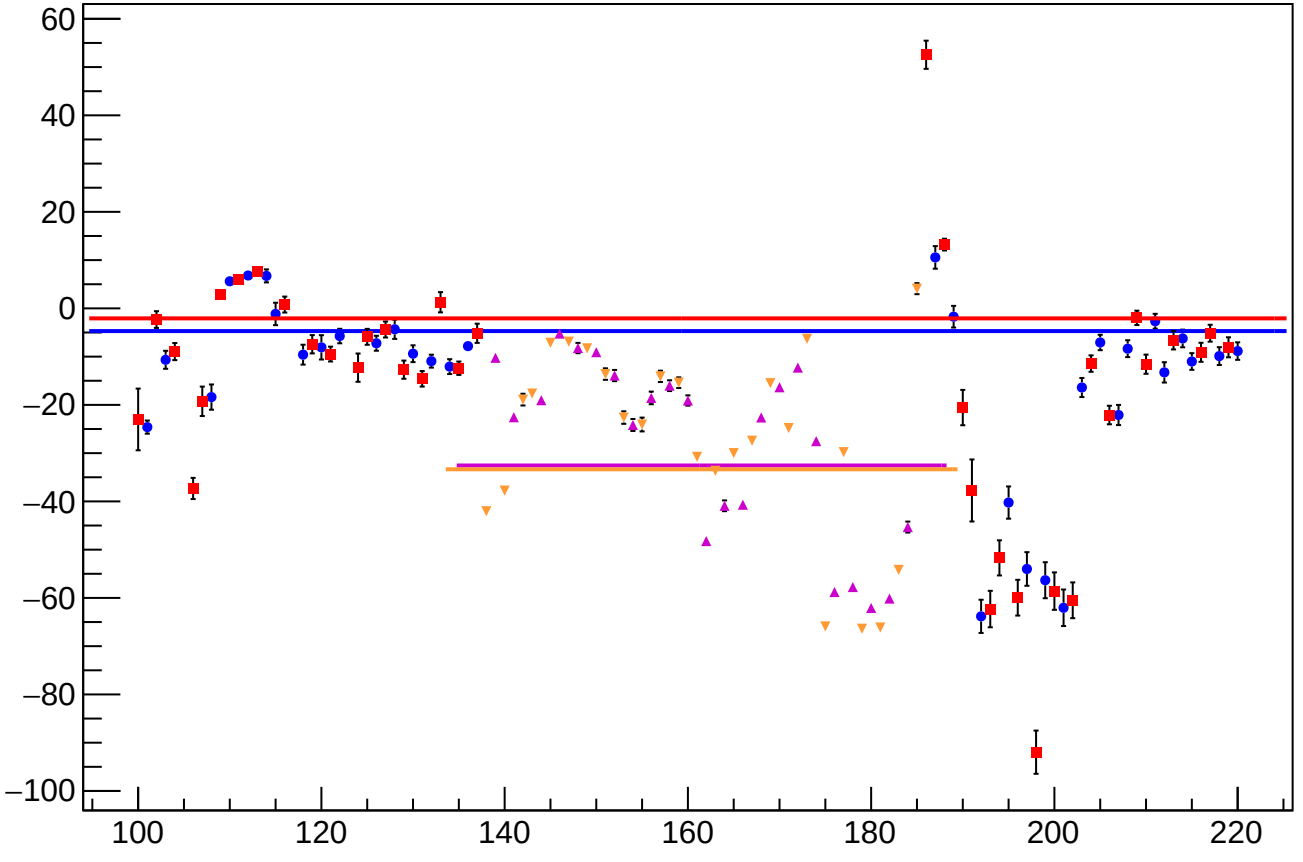
Right: -0.334+/-0.008 χ^2/NDF: 5443.2/69

In: -0.127+/-0.005 χ^2/NDF:5923.3/55

Out: -0.152+/-0.005 χ^2/NDF:5995.3/61

All: -0.140+/-0.004 χ^2/NDF: 11931.1/117

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.706+/-0.264 χ^2/NDF: 2228.4/32

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -2.074+/-0.248 χ^2/NDF: 3290.1/36

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

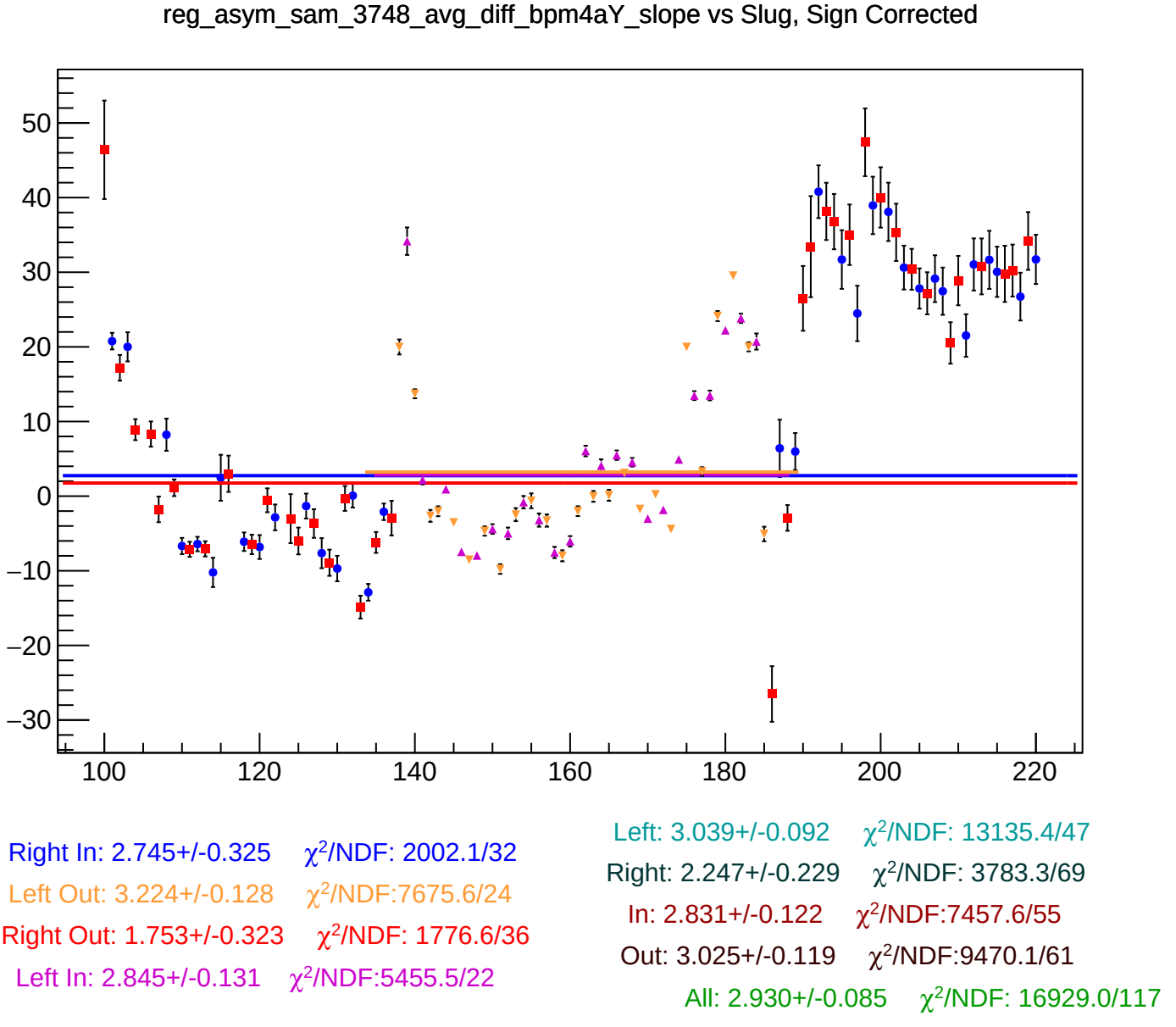
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

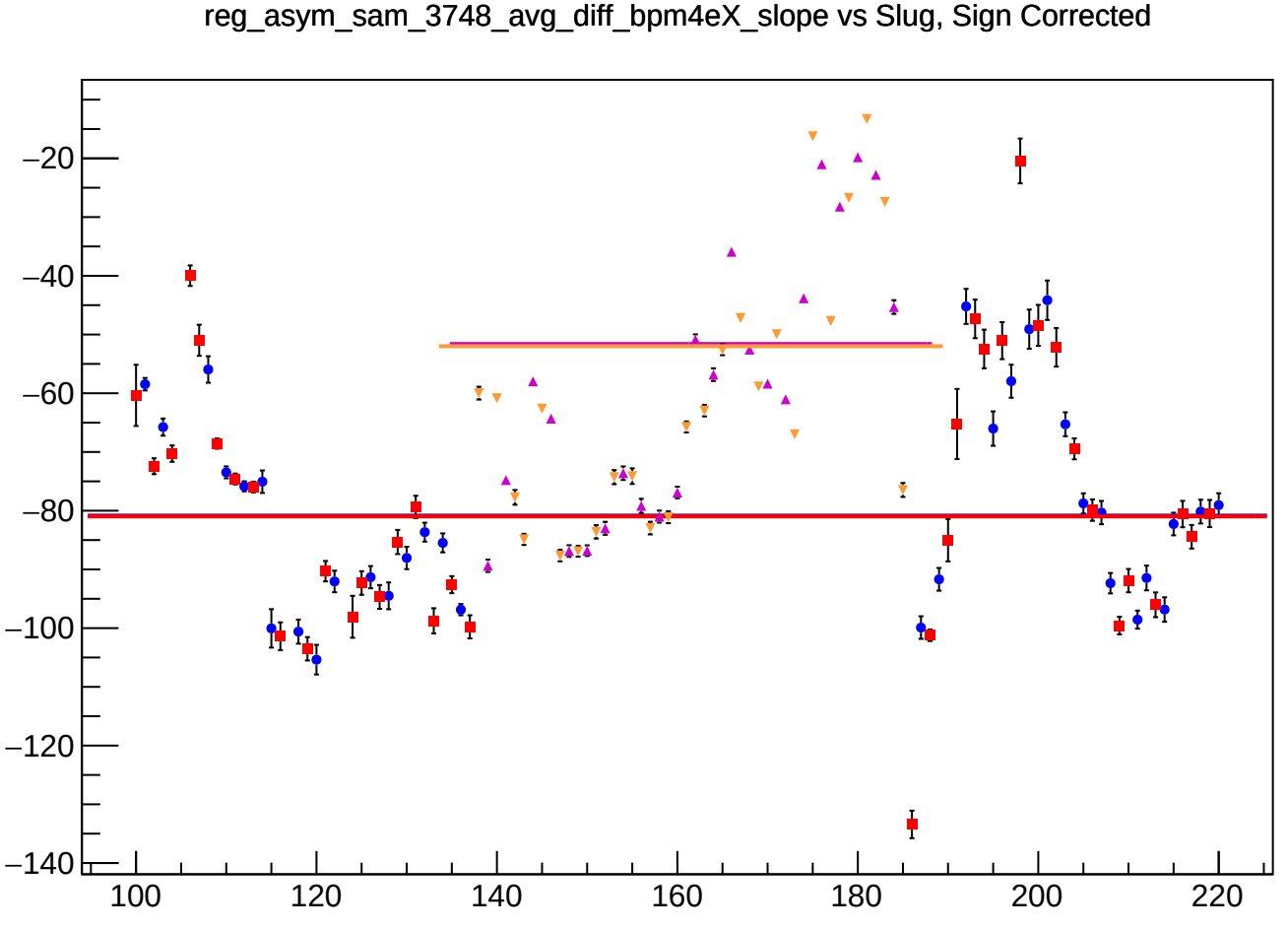
Right: -3.309+/-0.181 χ^2/NDF: 5571.4/69

In: -24.414+/-0.143 χ^2/NDF:24027.6/55

Out: -23.770+/-0.137 χ^2/NDF:32332.2/61

All: -24.079+/-0.099 χ^2/NDF: 56370.5/117


reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: 2.745+/-0.325 χ²/NDF: 2002.1/32
Left Out: 3.224+/-0.128 χ²/NDF:7675.6/24
Right Out: 1.753+/-0.323 χ²/NDF: 1776.6/36
Left In: 2.845+/-0.131 χ²/NDF:5455.5/22
Left: 3.039+/-0.092 χ²/NDF: 13135.4/47
Right: 2.247+/-0.229 χ²/NDF: 3783.3/69
In: 2.831+/-0.122 χ²/NDF:7457.6/55
Out: 3.025+/-0.119 χ²/NDF:9470.1/61
All: 2.930+/-0.085 χ²/NDF: 16929.0/117



Right In: -80.843+/-0.296 χ^2/NDF: 2286.6/32

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.969+/-0.288 χ^2/NDF: 3527.0/36

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

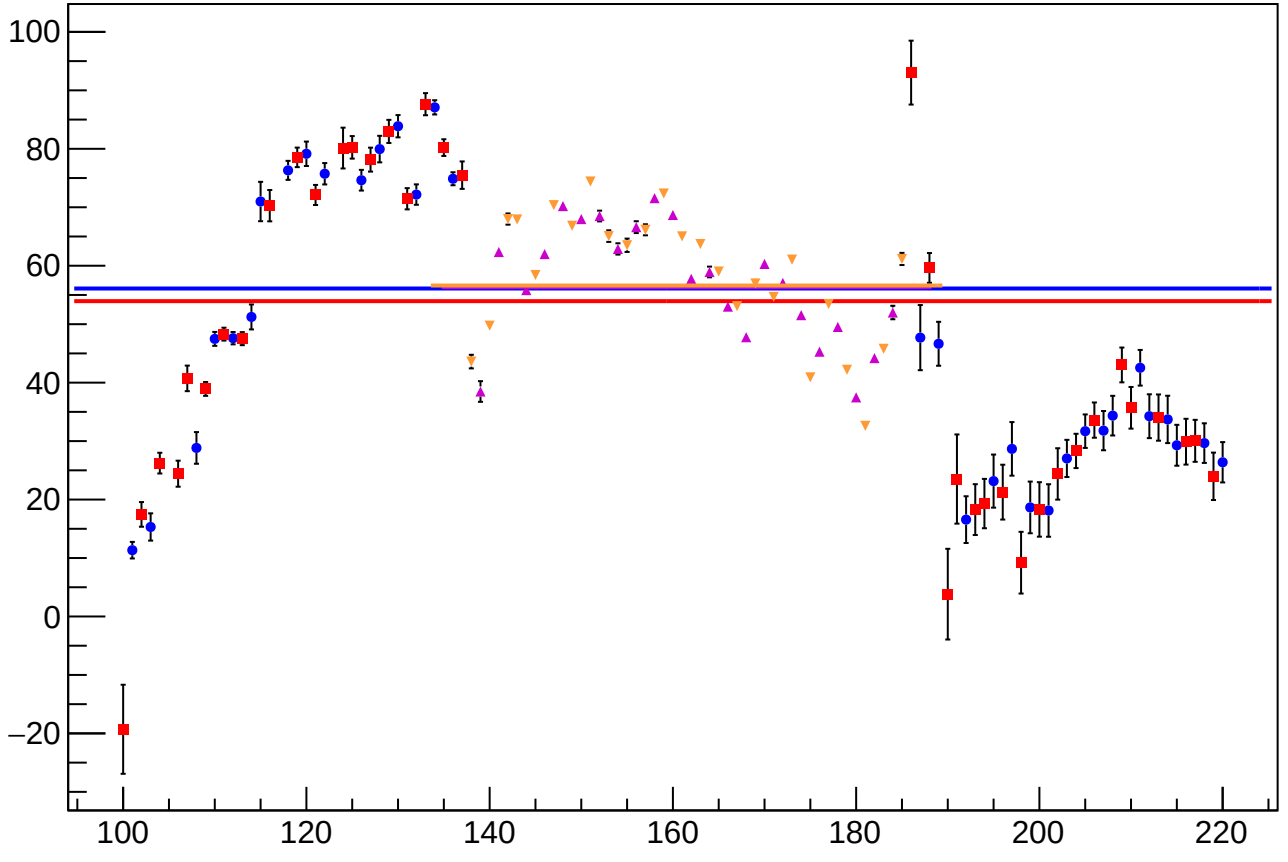
Right: -80.908+/-0.207 χ^2/NDF: 5813.7/69

In: -58.795+/-0.147 χ^2/NDF:27255.8/55

Out: -59.117+/-0.143 χ^2/NDF:32028.1/61

All: -58.960+/-0.102 χ^2/NDF: 59286.4/117

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 56.104+/-0.366 χ^2/NDF: 4253.3/32

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 53.940+/-0.367 χ^2/NDF: 3661.1/36

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

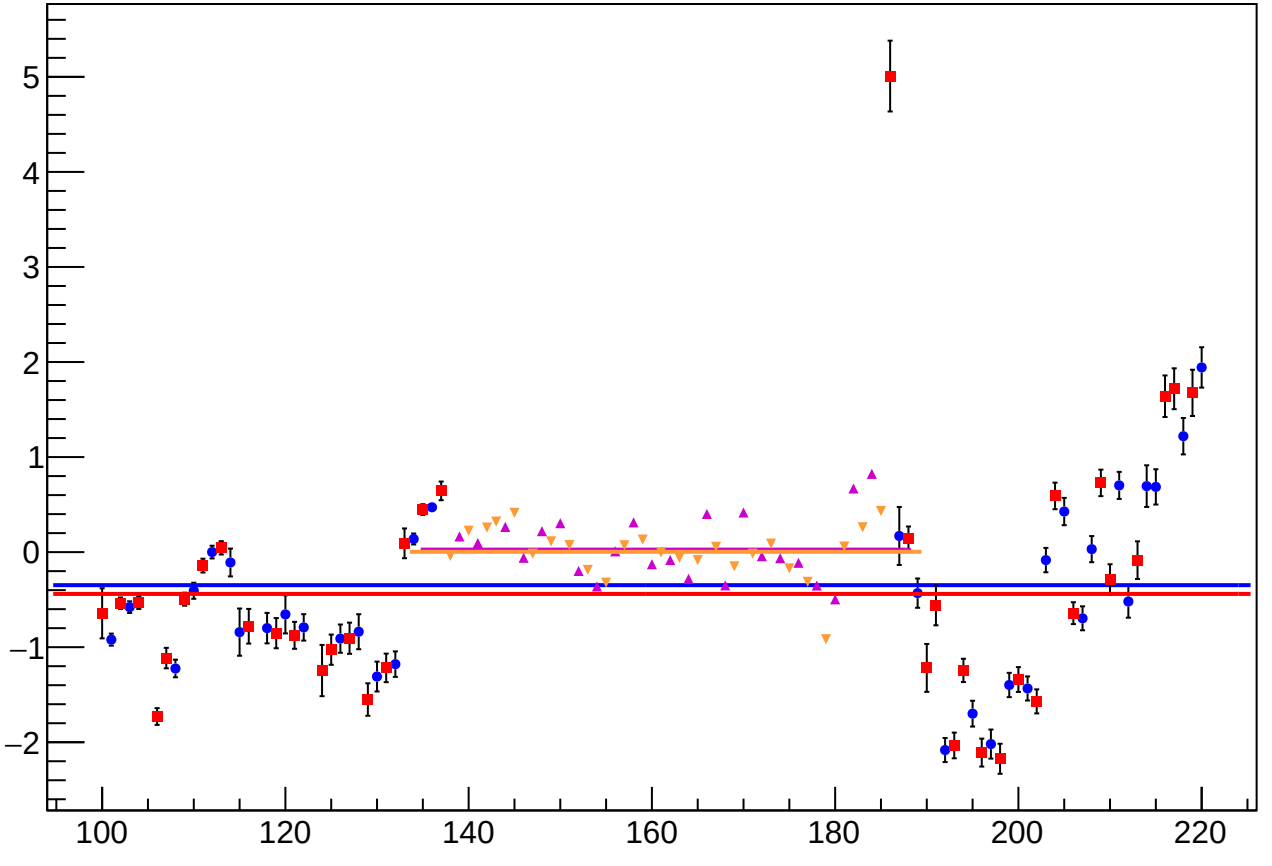
Right: 55.025+/-0.259 χ^2/NDF: 7931.9/69

In: 56.314+/-0.137 χ^2/NDF:8222.4/55

Out: 56.256+/-0.134 χ^2/NDF:9373.3/61

All: 56.284+/-0.096 χ^2/NDF: 17595.8/117

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.347+/-0.019 χ^2/NDF: 1629.1/32

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.440+/-0.019 χ^2/NDF: 2028.8/36

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

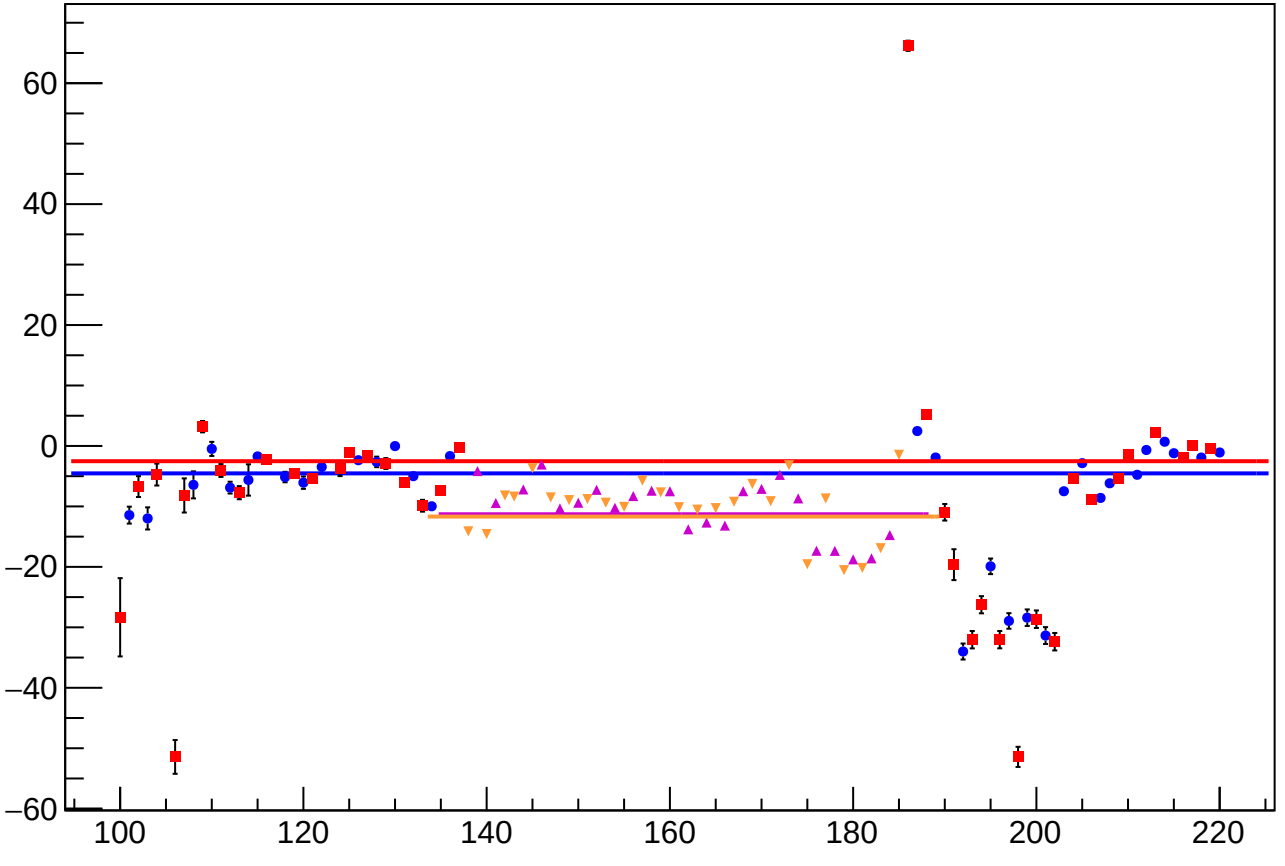
Right: -0.393+/-0.013 χ^2/NDF: 3670.0/69

In: -0.015+/-0.006 χ^2/NDF:4335.8/55

Out: -0.043+/-0.006 χ^2/NDF:4226.7/61

All: -0.029+/-0.004 χ^2/NDF: 8572.7/117

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.536+/-0.134 χ^2/NDF: 2222.2/32

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.521+/-0.138 χ^2/NDF: 10596.3/36

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

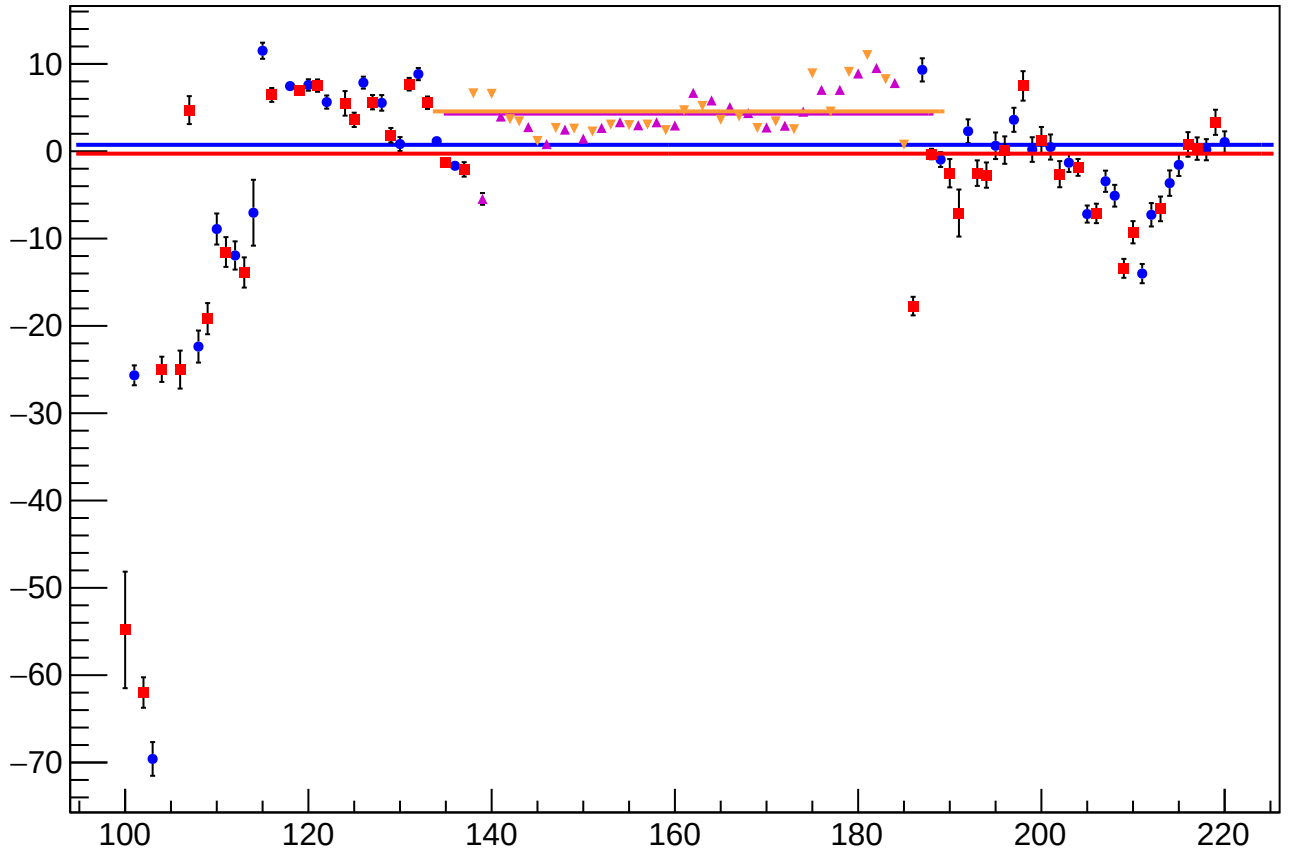
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -3.559+/-0.096 χ^2/NDF: 12928.3/69

In: -10.355+/-0.050 χ^2/NDF:13648.8/55

Out: -10.515+/-0.049 χ^2/NDF:27047.4/61

All: -10.436+/-0.035 χ^2/NDF: 40701.4/117



Right In: 0.737+/-0.159 χ^2/NDF: 3258.0/32

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.275+/-0.168 χ^2/NDF: 3206.3/36

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

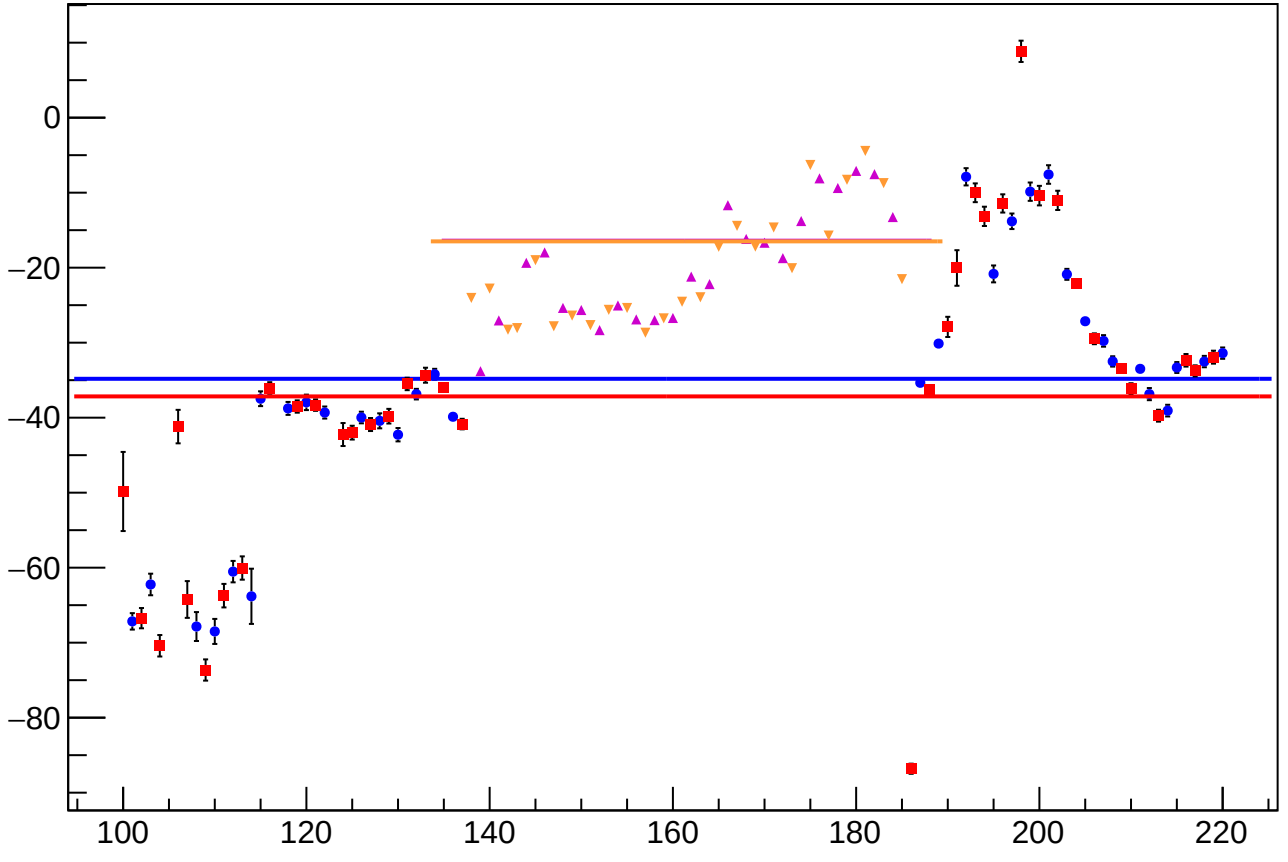
Right: 0.259+/-0.116 χ^2/NDF: 6483.3/69

In: 4.074+/-0.041 χ^2/NDF:7337.8/55

Out: 4.288+/-0.040 χ^2/NDF:8341.6/61

All: 4.183+/-0.029 χ^2/NDF: 15693.3/117

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.817+/-0.140 χ^2/NDF: 5459.6/32

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.165+/-0.142 χ^2/NDF: 11920.5/36

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

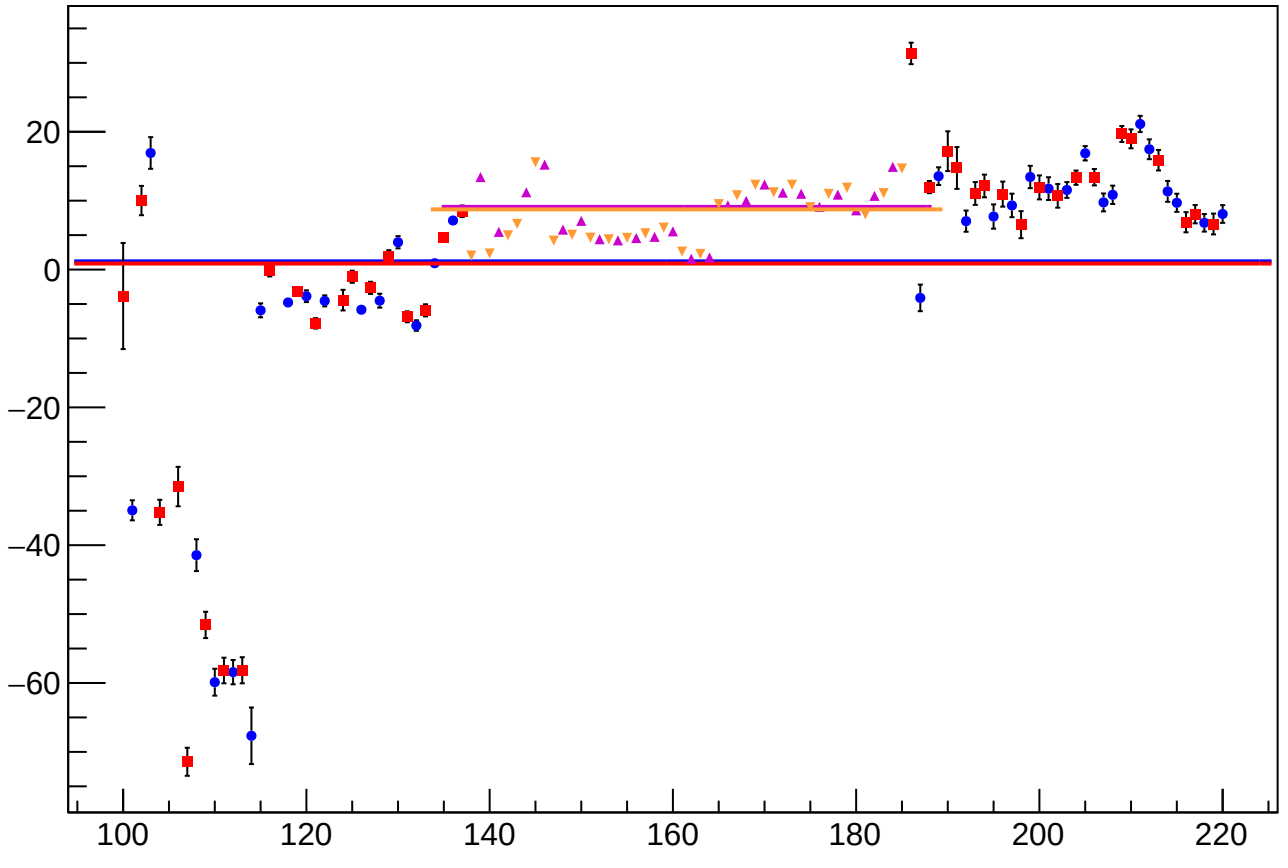
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -35.970+/-0.100 χ^2/NDF: 17518.8/69

In: -18.788+/-0.050 χ^2/NDF:38602.5/55

Out: -18.994+/-0.049 χ^2/NDF:52468.3/61

All: -18.893+/-0.035 χ^2/NDF: 91079.4/117



Right In: 1.193+/-0.178 χ^2/NDF: 5315.2/32

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.877+/-0.191 χ^2/NDF: 6666.7/36

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

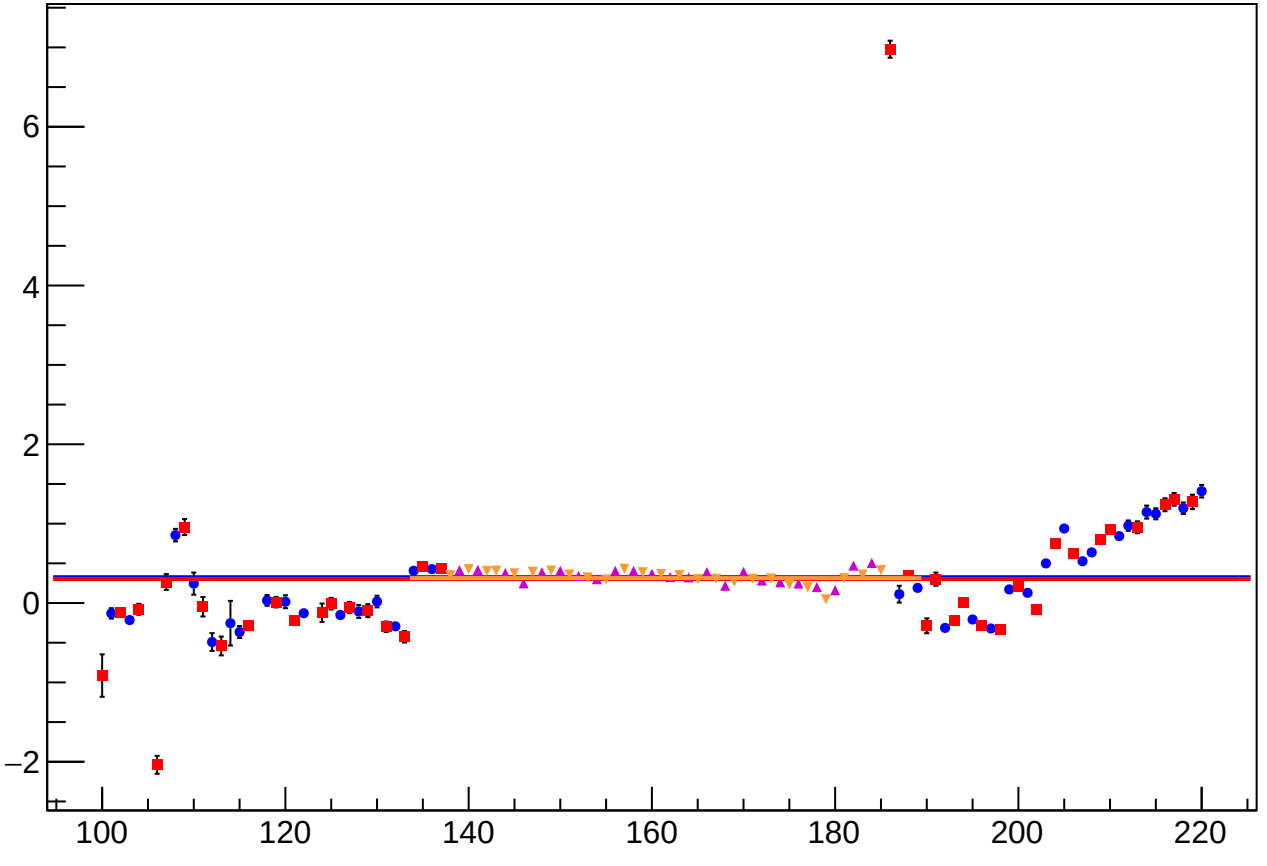
Right: 1.047+/-0.130 χ^2/NDF: 11983.4/69

In: 8.577+/-0.046 χ^2/NDF:12906.5/55

Out: 8.302+/-0.045 χ^2/NDF:15136.7/61

All: 8.437+/-0.032 χ^2/NDF: 28061.7/117

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.325+/-0.009 χ^2/NDF: 2053.9/32

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.302+/-0.010 χ^2/NDF: 6273.3/36

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

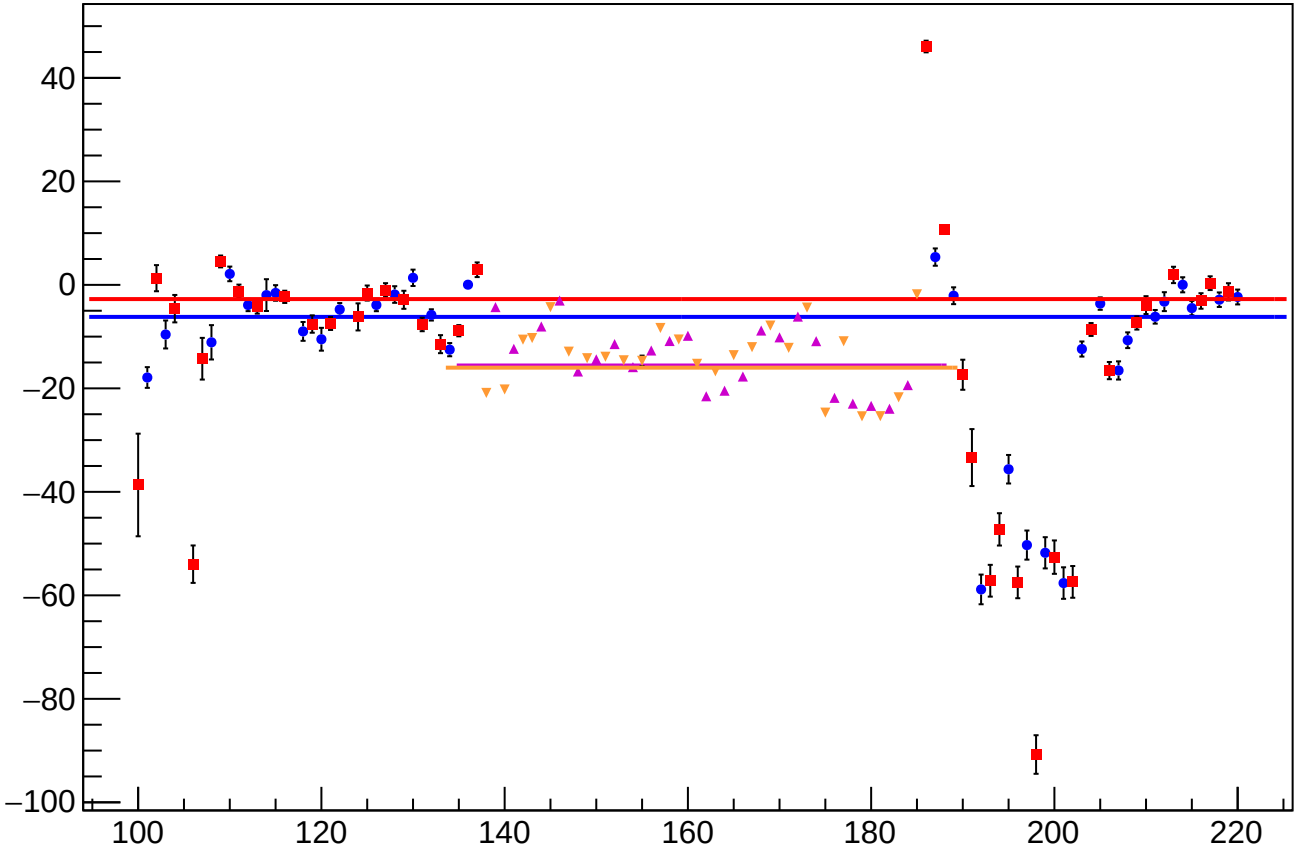
Right: 0.315+/-0.006 χ^2/NDF: 8330.4/69

In: 0.319+/-0.002 χ^2/NDF:3842.2/55

Out: 0.313+/-0.002 χ^2/NDF:7876.9/61

All: 0.316+/-0.001 χ^2/NDF: 11722.9/117

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.188+/-0.263 χ^2/NDF: 1597.2/32

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.746+/-0.264 χ^2/NDF: 4595.0/36

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

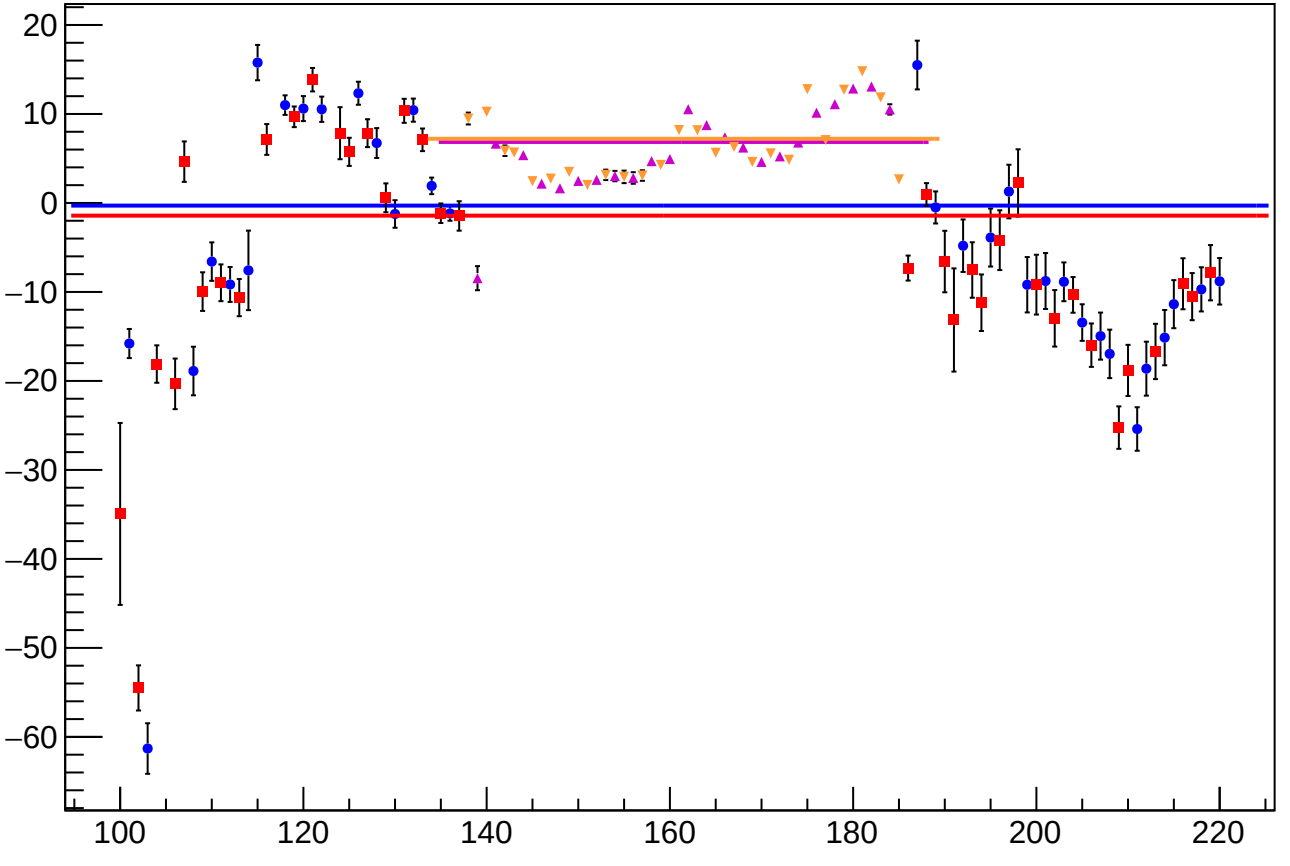
Right: -4.475+/-0.186 χ^2/NDF: 6277.4/69

In: -14.354+/-0.095 χ^2/NDF:7466.2/55

Out: -14.358+/-0.093 χ^2/NDF:12761.8/61

All: -14.356+/-0.066 χ^2/NDF: 20228.0/117

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.297+/-0.311 χ^2/NDF: 1490.3/32

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -1.425+/-0.321 χ^2/NDF: 1349.8/36

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

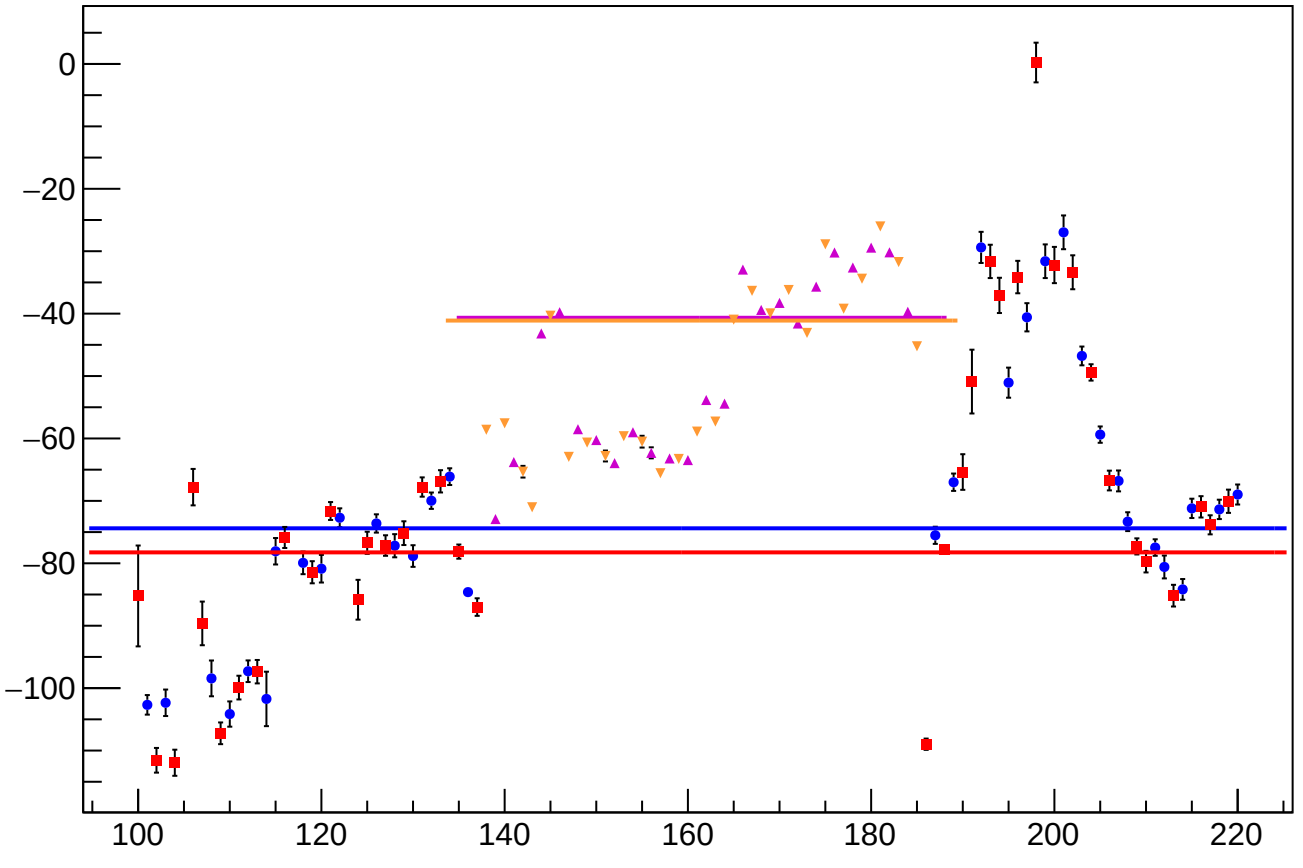
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: -0.841+/-0.223 χ^2/NDF: 2846.5/69

In: 6.400+/-0.078 χ^2/NDF:4143.5/55

Out: 6.707+/-0.078 χ^2/NDF:4485.4/61

All: 6.555+/-0.055 χ^2/NDF: 8636.7/117



Right In: -74.394+/-0.278 χ^2/NDF: 3080.4/32

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.251+/-0.276 χ^2/NDF: 4983.8/36

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

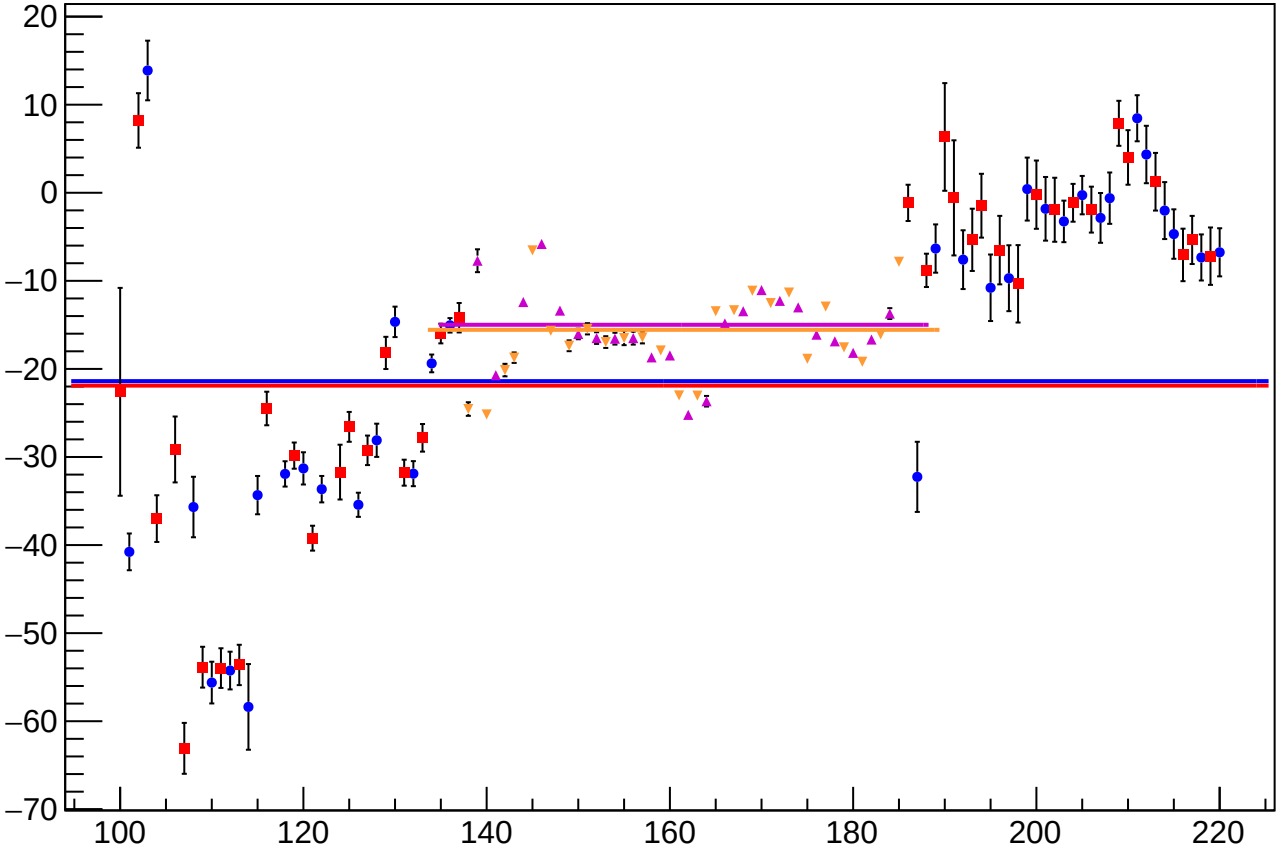
Right: -76.341+/-0.196 χ^2/NDF: 8161.1/69

In: -44.671+/-0.096 χ^2/NDF:29552.1/55

Out: -45.428+/-0.094 χ^2/NDF:37019.9/61

All: -45.057+/-0.067 χ^2/NDF: 66603.8/117

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -21.386+/-0.346 χ^2/NDF: 1857.3/32

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -21.895+/-0.367 χ^2/NDF: 2058.0/36

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

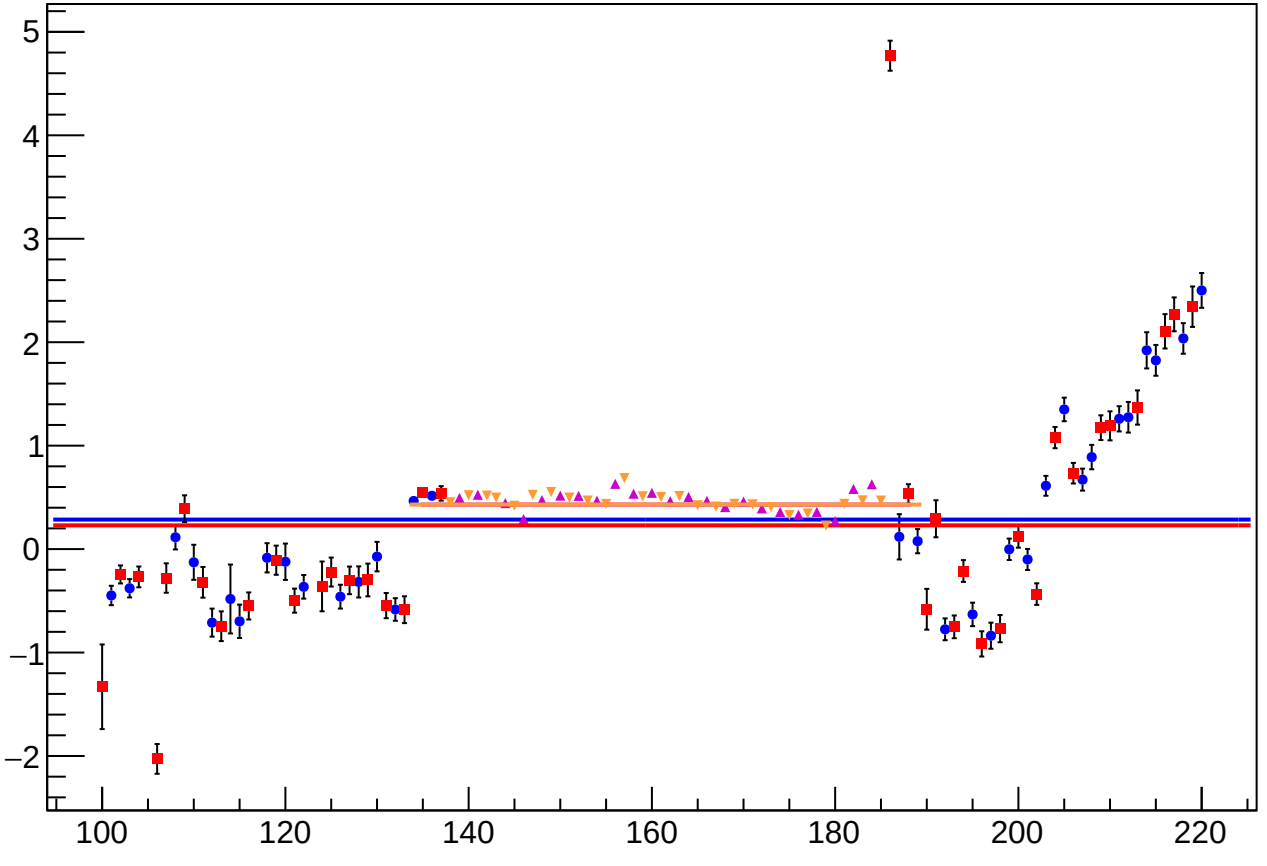
Right: -21.625+/-0.252 χ^2/NDF: 3916.2/69

In: -15.397+/-0.087 χ^2/NDF:4327.9/55

Out: -15.913+/-0.086 χ^2/NDF:4888.5/61

All: -15.658+/-0.061 χ^2/NDF: 9234.0/117

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.285+/-0.017 χ^2/NDF: 1481.2/32

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.230+/-0.019 χ^2/NDF: 2603.7/36

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

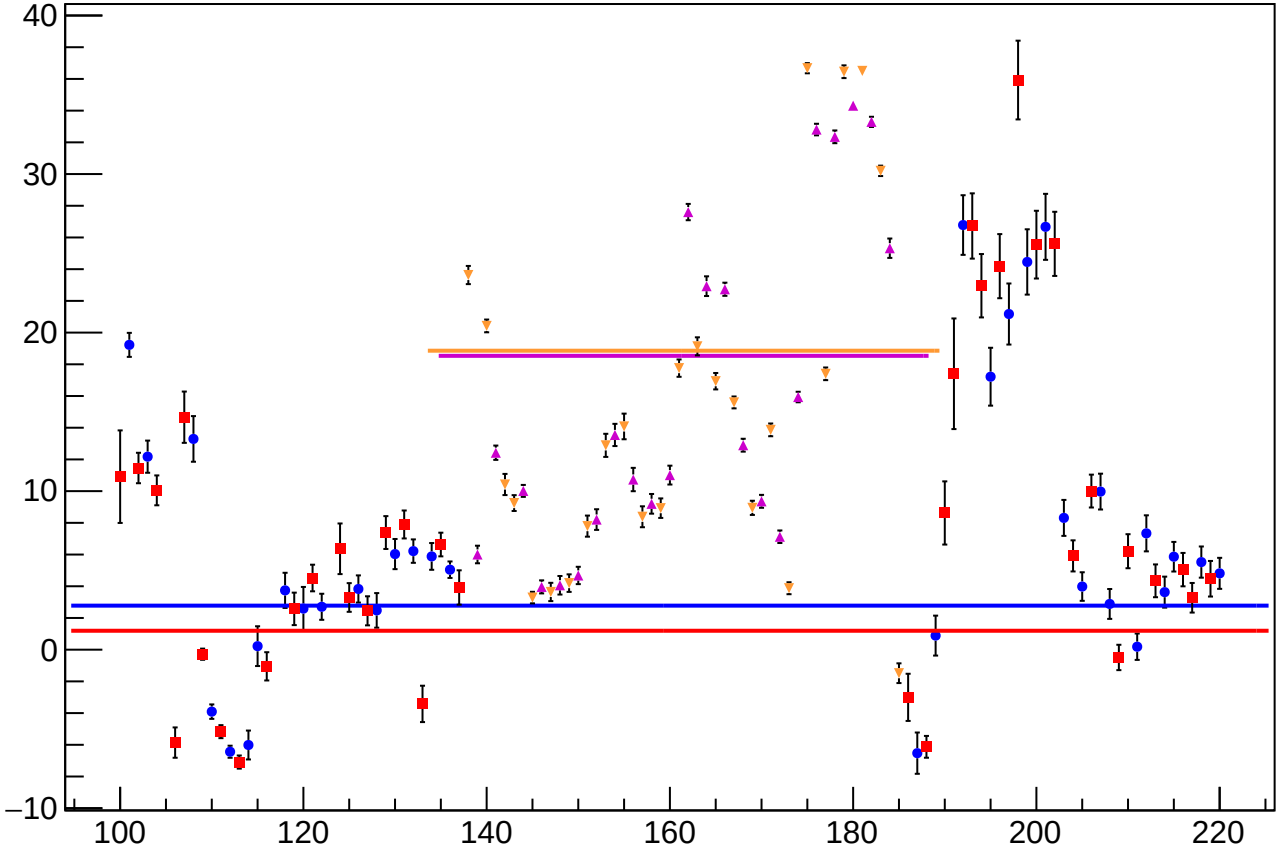
Right: 0.260+/-0.013 χ^2/NDF: 4089.6/69

In: 0.423+/-0.004 χ^2/NDF:2130.7/55

Out: 0.422+/-0.004 χ^2/NDF:3131.4/61

All: 0.422+/-0.003 χ^2/NDF: 5262.1/117

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.778+/-0.153 χ^2/NDF: 2306.0/32

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 1.194+/-0.144 χ^2/NDF: 2394.0/36

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

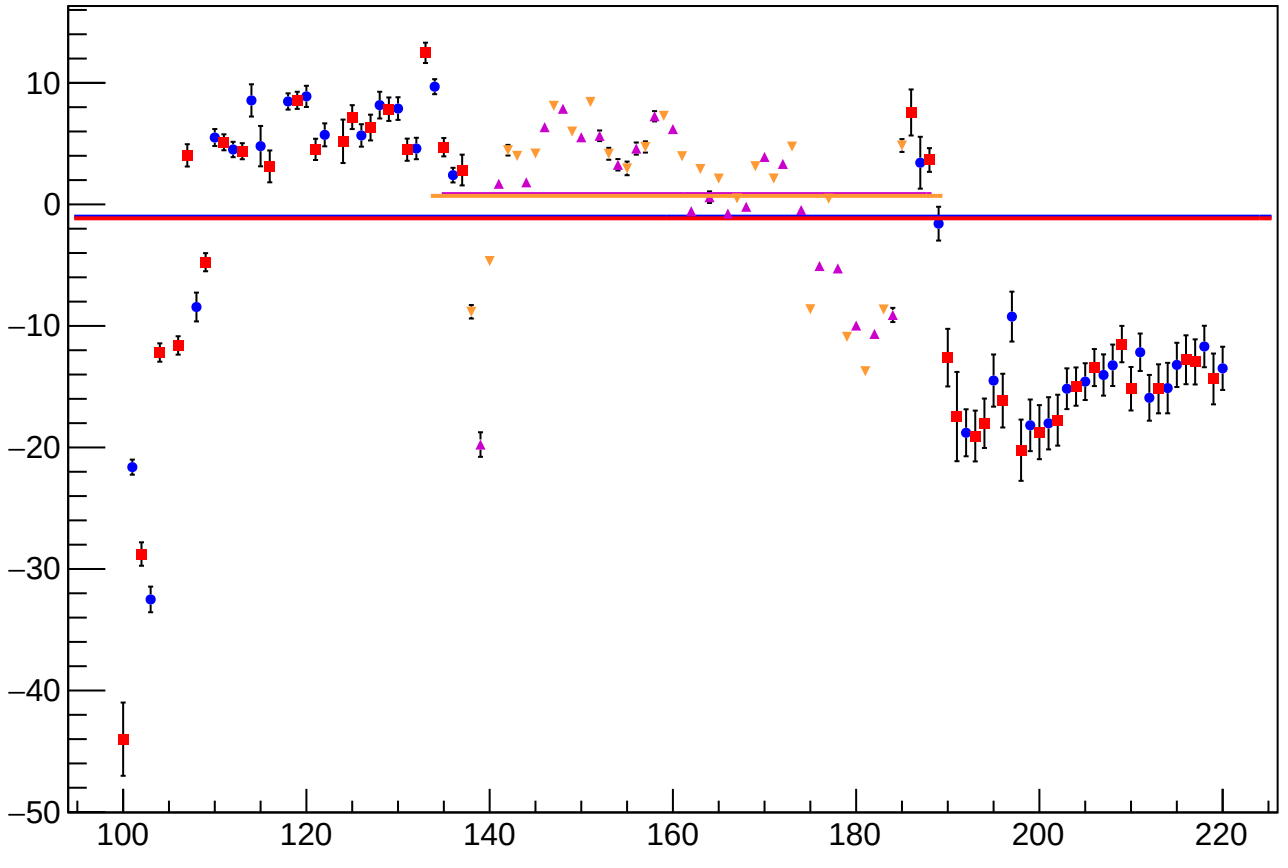
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.939+/-0.105 χ^2/NDF: 4756.8/69

In: 14.264+/-0.080 χ^2/NDF:24114.7/55

Out: 13.872+/-0.077 χ^2/NDF:31544.2/61

All: 14.060+/-0.055 χ^2/NDF: 55671.5/117



Right In: -1.008+/-0.184 χ^2/NDF: 4056.8/32

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -1.146+/-0.183 χ^2/NDF: 3352.4/36

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

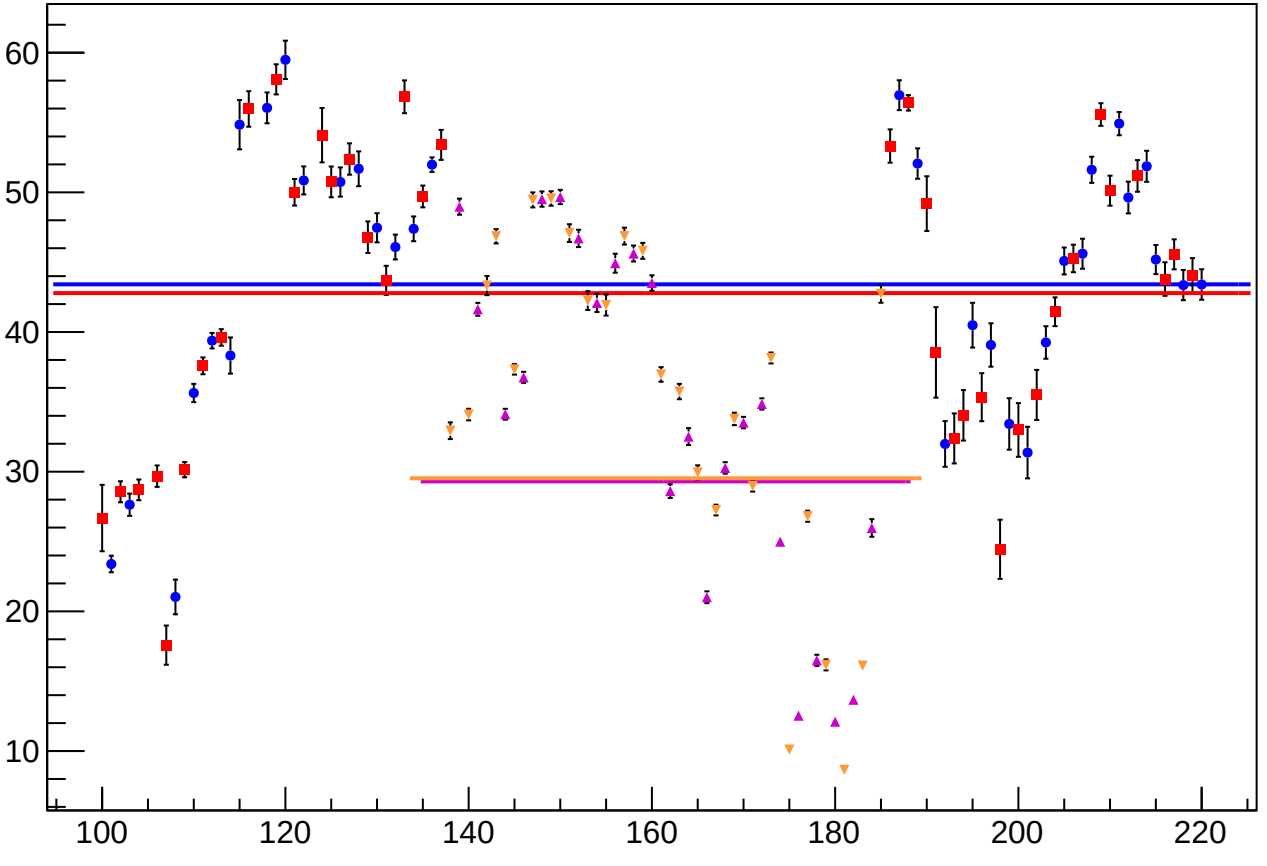
Right: -1.078+/-0.130 χ^2/NDF: 7409.5/69

In: 0.599+/-0.067 χ^2/NDF:10189.9/55

Out: 0.462+/-0.066 χ^2/NDF:11679.2/61

All: 0.529+/-0.047 χ^2/NDF: 21871.2/117

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.413+/-0.168 χ^2/NDF: 3569.6/32

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.785+/-0.163 χ^2/NDF: 4124.7/36

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

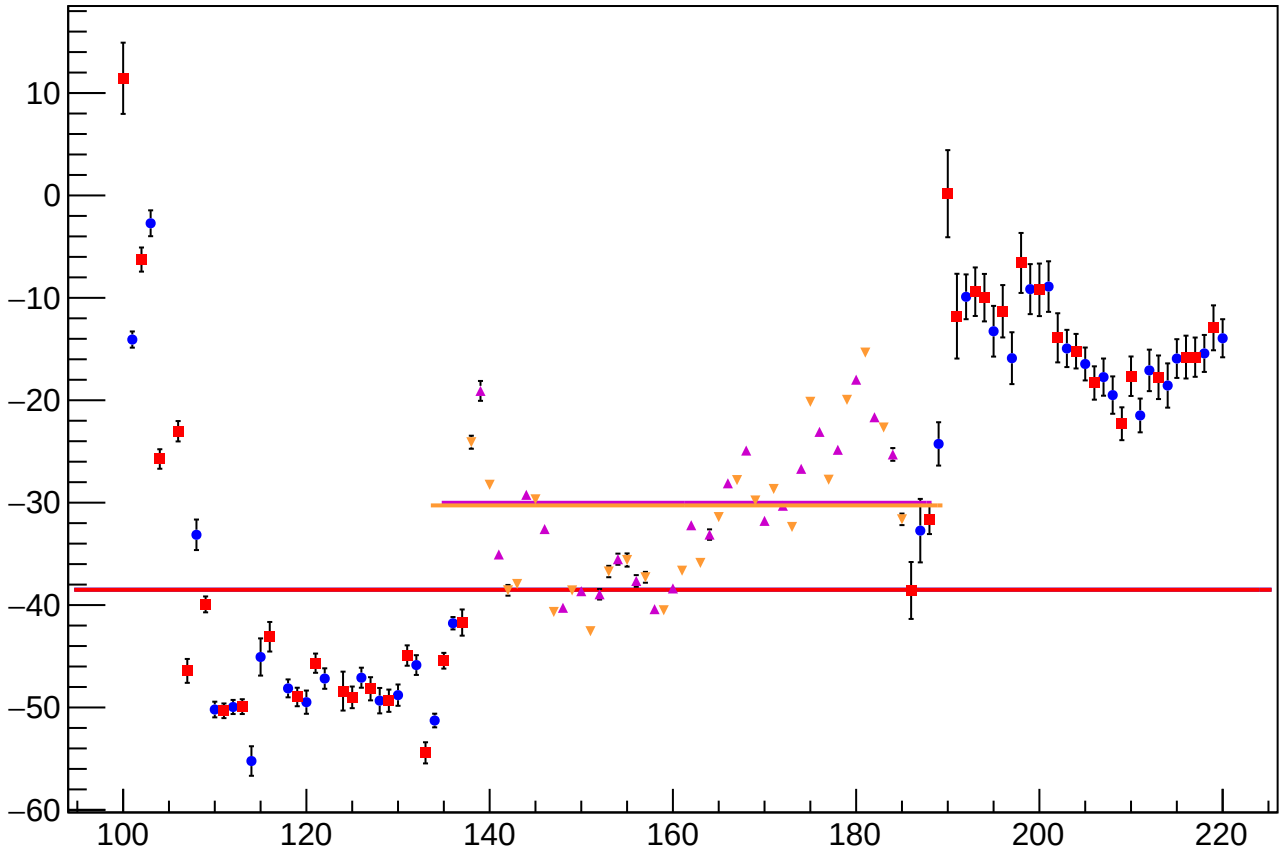
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 43.090+/-0.117 χ^2/NDF: 7701.5/69

In: 32.623+/-0.081 χ^2/NDF:26839.7/55

Out: 32.659+/-0.079 χ^2/NDF:30270.5/61

All: 32.641+/-0.057 χ^2/NDF: 57110.3/117



Right In: -38.496+/-0.208 χ^2/NDF: 5491.0/32

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -38.508+/-0.208 χ^2/NDF: 4786.9/36

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

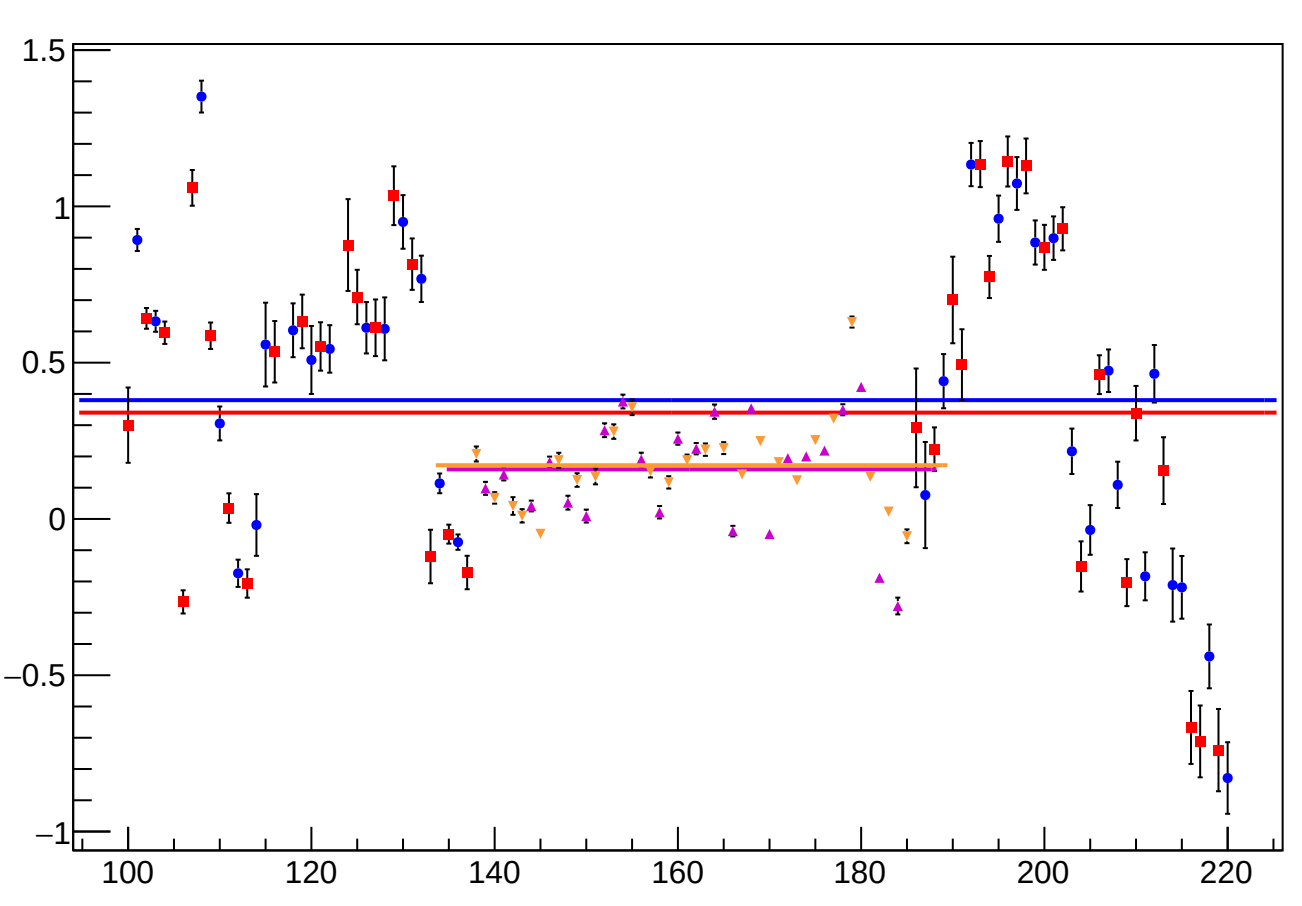
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -38.502+/-0.147 χ^2/NDF: 10277.9/69

In: -31.140+/-0.076 χ^2/NDF:13021.7/55

Out: -31.311+/-0.074 χ^2/NDF:14654.9/61

All: -31.227+/-0.053 χ^2/NDF: 27679.2/117



Right In: 0.380+/-0.010 χ^2/NDF: 2019.1/32

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.340+/-0.010 χ^2/NDF: 2015.1/36

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

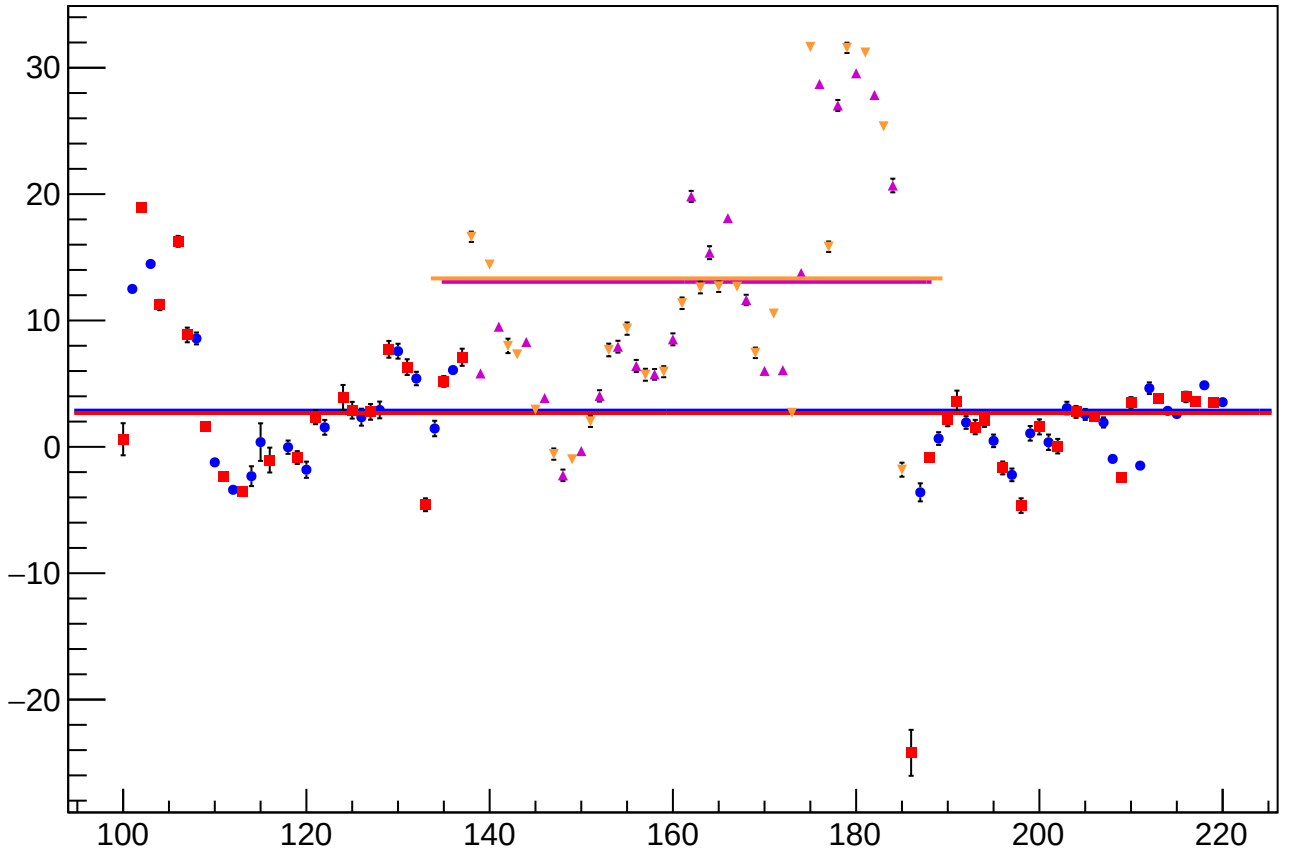
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.360+/-0.007 χ^2/NDF: 4041.5/69

In: 0.183+/-0.003 χ^2/NDF:4609.2/55

Out: 0.190+/-0.003 χ^2/NDF:3752.1/61

All: 0.186+/-0.002 χ^2/NDF: 8363.4/117



Right In: 2.865+/-0.078 χ^2/NDF: 3388.1/32

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.680+/-0.075 χ^2/NDF: 5421.6/36

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

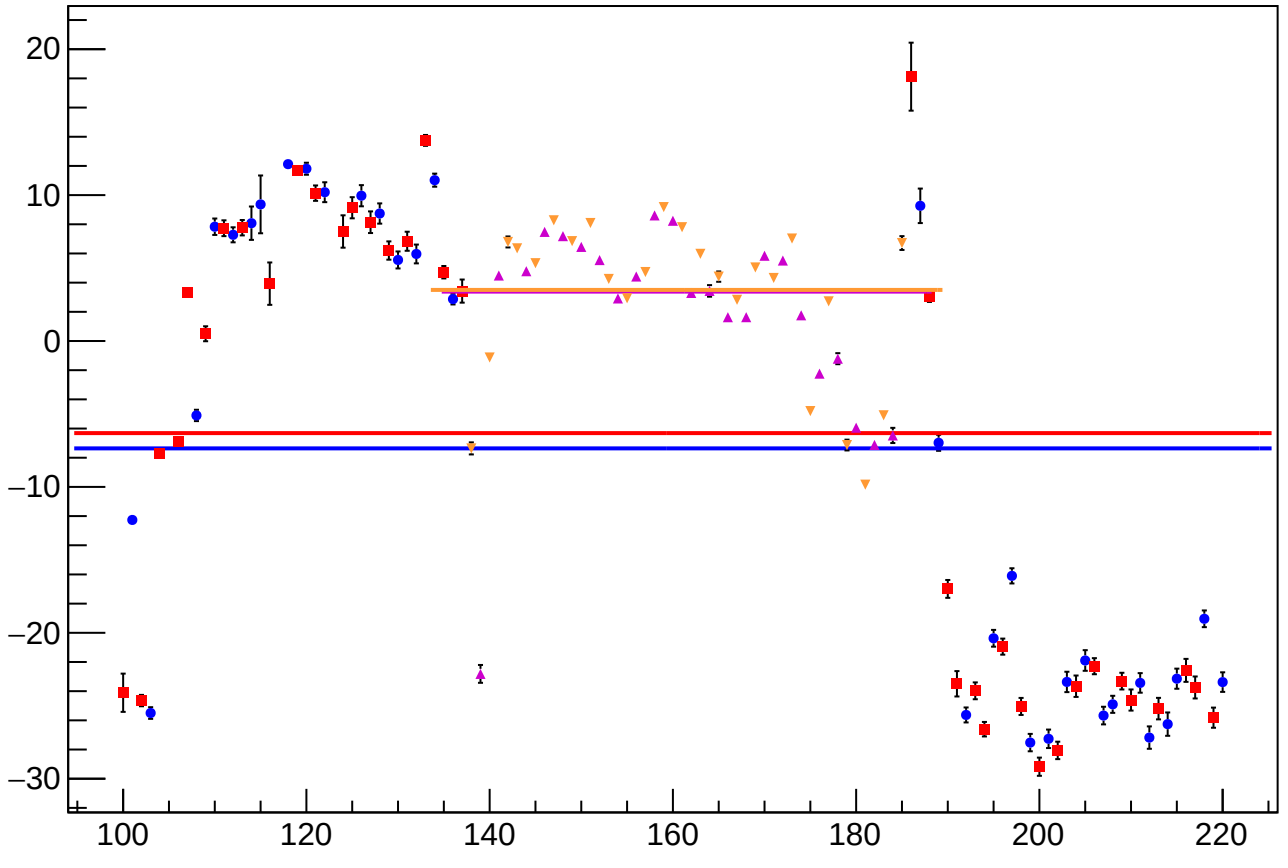
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.768+/-0.054 χ^2/NDF: 8812.5/69

In: 7.893+/-0.056 χ^2/NDF:27323.2/55

Out: 7.863+/-0.054 χ^2/NDF:34735.3/61

All: 7.878+/-0.039 χ^2/NDF: 62058.6/117



Right In: -7.360+/-0.093 χ^2/NDF: 25772.0/32

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -6.312+/-0.088 χ^2/NDF: 28128.4/36

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

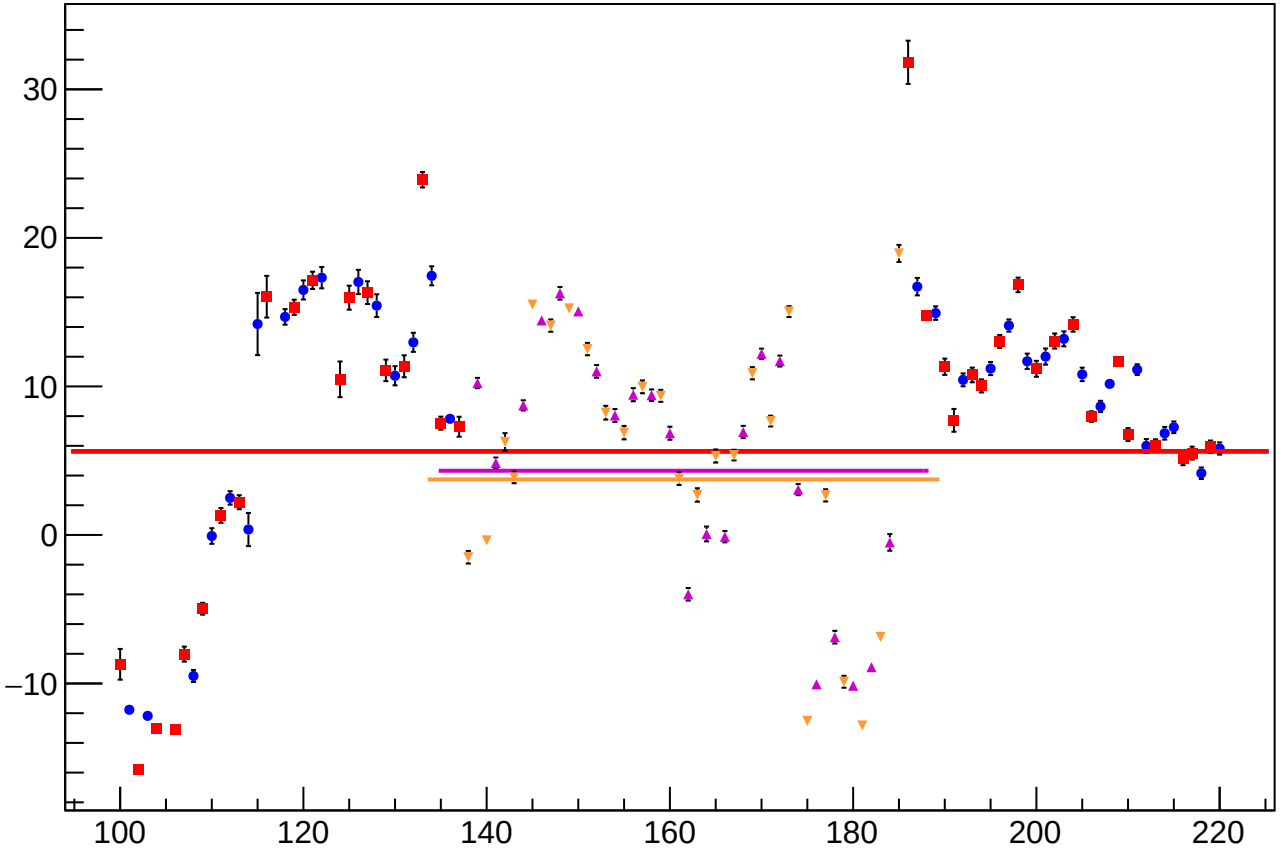
Right: -6.811+/-0.064 χ^2/NDF: 53967.5/69

In: 0.129+/-0.051 χ^2/NDF:41879.5/55

Out: 0.503+/-0.049 χ^2/NDF:44623.5/61

All: 0.324+/-0.035 χ^2/NDF: 86531.1/117

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.610+/-0.078 χ^2/NDF: 14161.9/32

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.653+/-0.075 χ^2/NDF: 20398.0/36

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

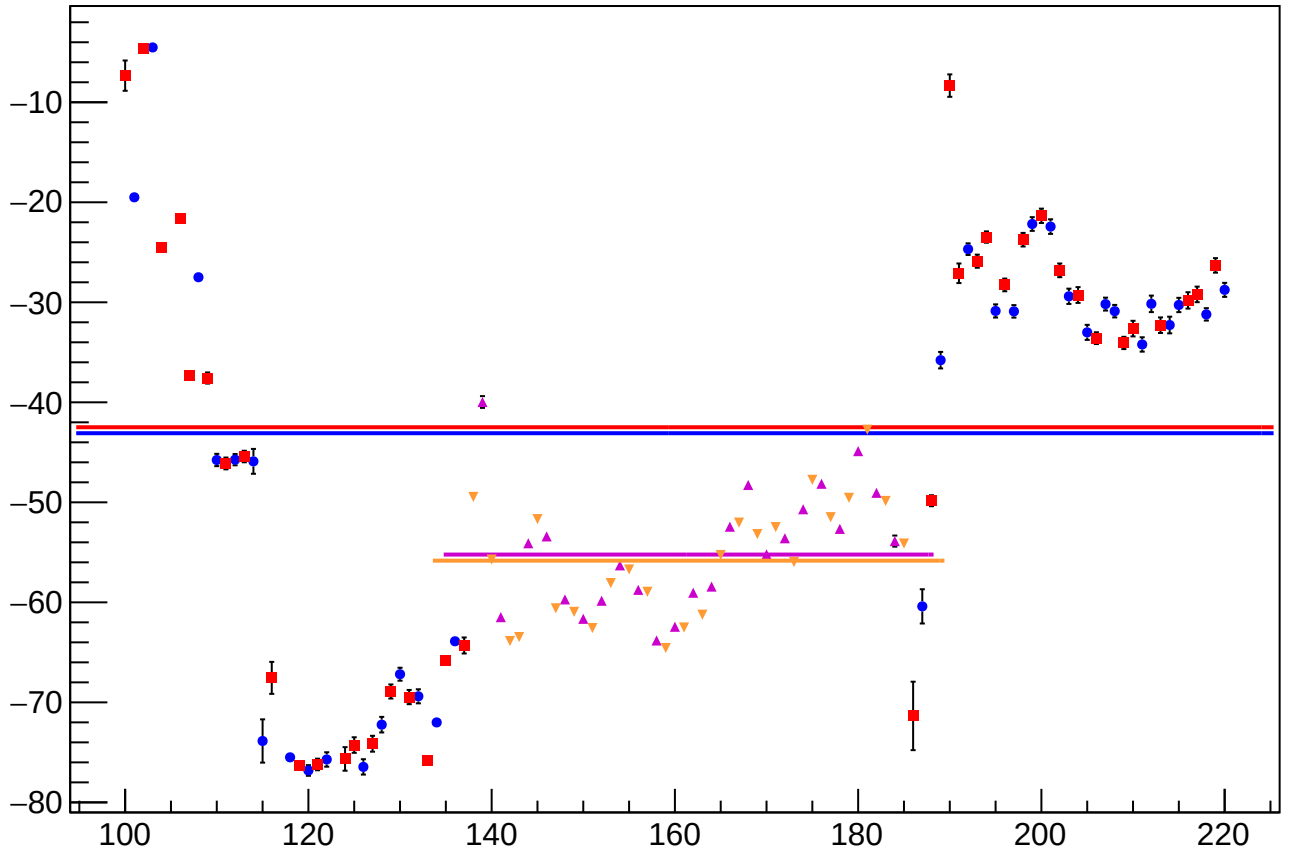
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.632+/-0.054 χ^2/NDF: 34560.0/69

In: 4.968+/-0.055 χ^2/NDF:26779.7/55

Out: 4.716+/-0.053 χ^2/NDF:36305.6/61

All: 4.837+/-0.038 χ^2/NDF: 63096.0/117



Right In: -43.089+/-0.107 χ^2/NDF: 43973.9/32

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -42.493+/-0.103 χ^2/NDF: 45086.8/36

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

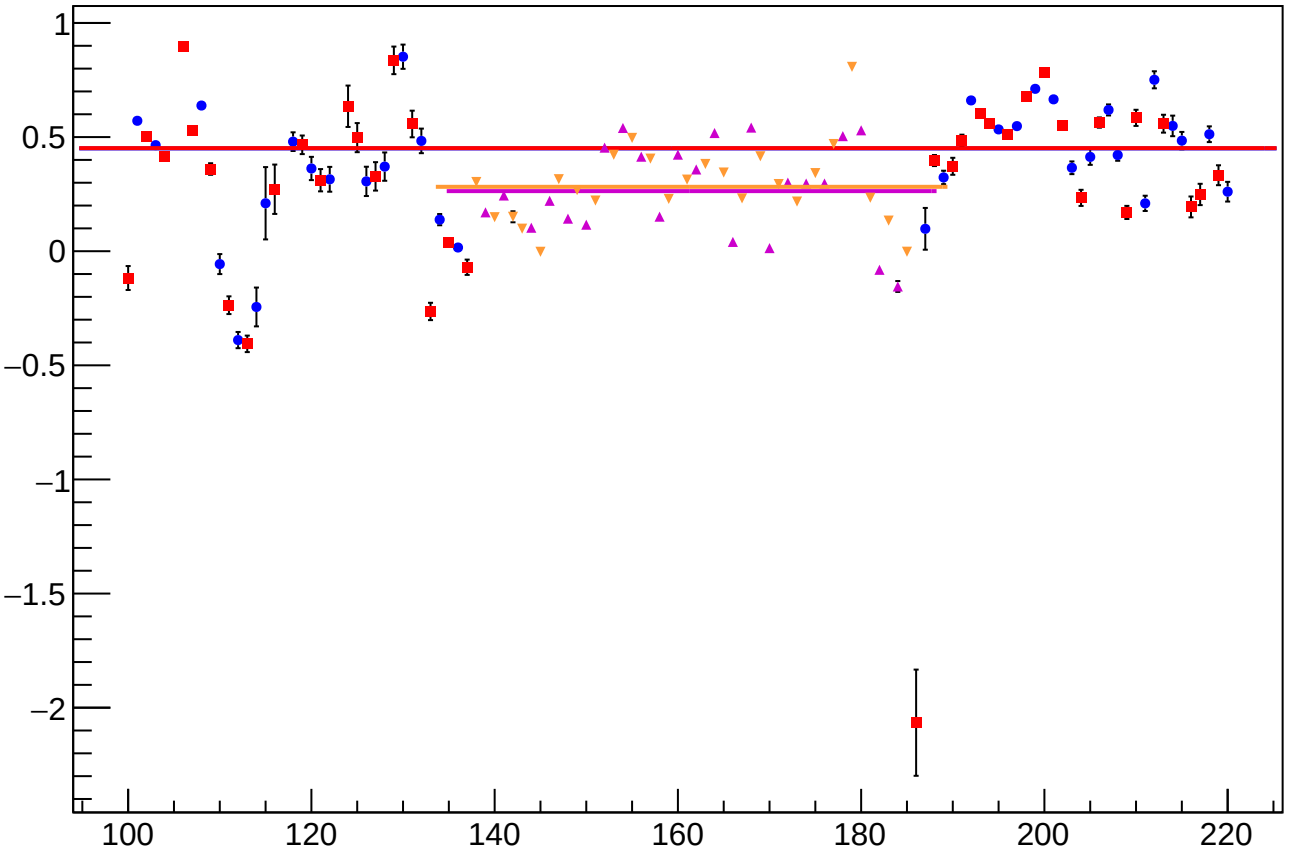
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -42.782+/-0.074 χ^2/NDF: 89076.8/69

In: -51.667+/-0.058 χ^2/NDF:59452.8/55

Out: -51.944+/-0.056 χ^2/NDF:64463.0/61

All: -51.810+/-0.040 χ^2/NDF: 123927.7/117



Right In: 0.450+/-0.005 χ^2/NDF: 2752.3/32

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.452+/-0.004 χ^2/NDF: 3829.3/36

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

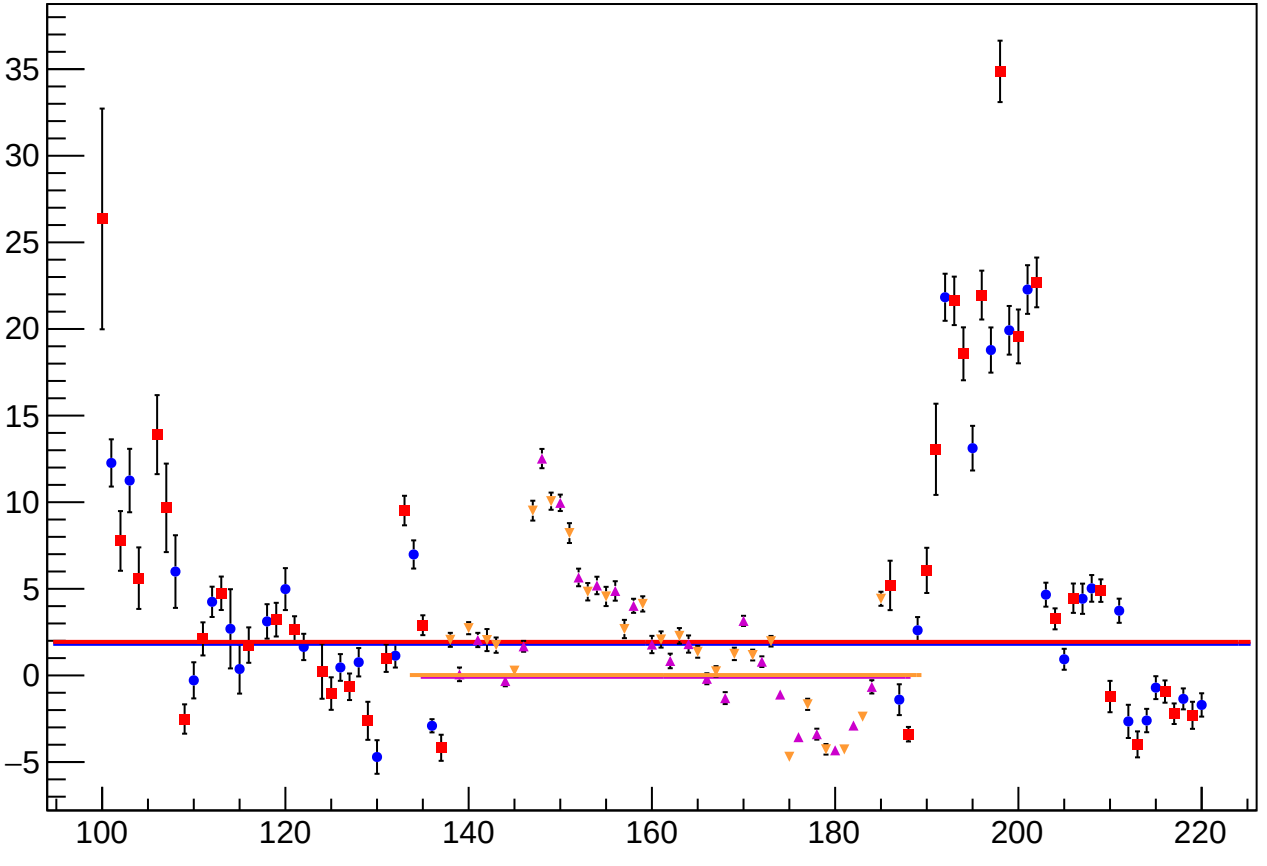
Right: 0.451+/-0.003 χ^2/NDF: 6581.7/69

In: 0.321+/-0.003 χ^2/NDF:7761.5/55

Out: 0.337+/-0.002 χ^2/NDF:7584.6/61

All: 0.329+/-0.002 χ^2/NDF: 15366.2/117

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.824+/-0.144 χ^2/NDF: 1397.6/32

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.937+/-0.147 χ^2/NDF: 1897.0/36

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

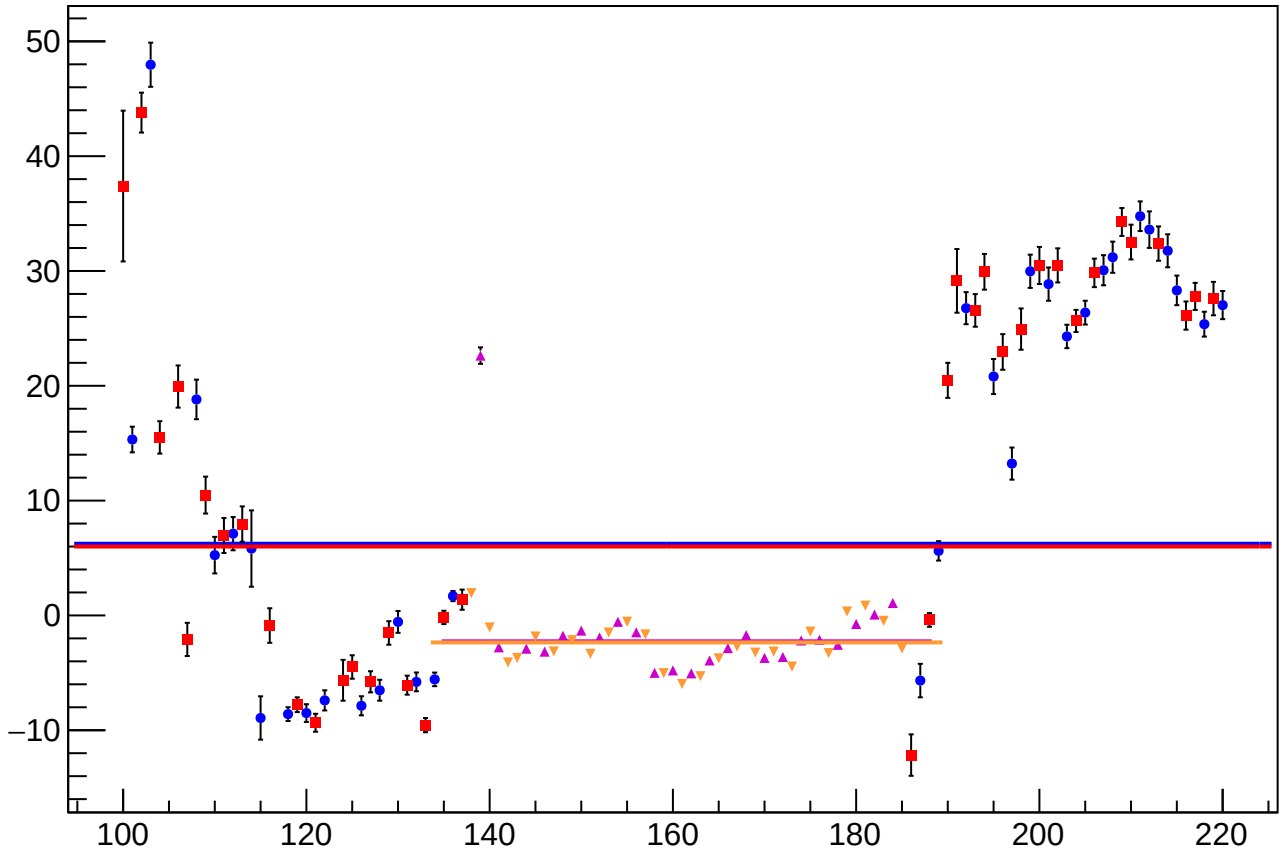
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 1.880+/-0.103 χ^2/NDF: 3295.0/69

In: 0.290+/-0.063 χ^2/NDF:4003.2/55

Out: 0.363+/-0.062 χ^2/NDF:4795.4/61

All: 0.327+/-0.044 χ^2/NDF: 8799.2/117



Right In: 6.243+/-0.176 χ^2/NDF: 7386.9/32

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 6.001+/-0.181 χ^2/NDF: 7175.2/36

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

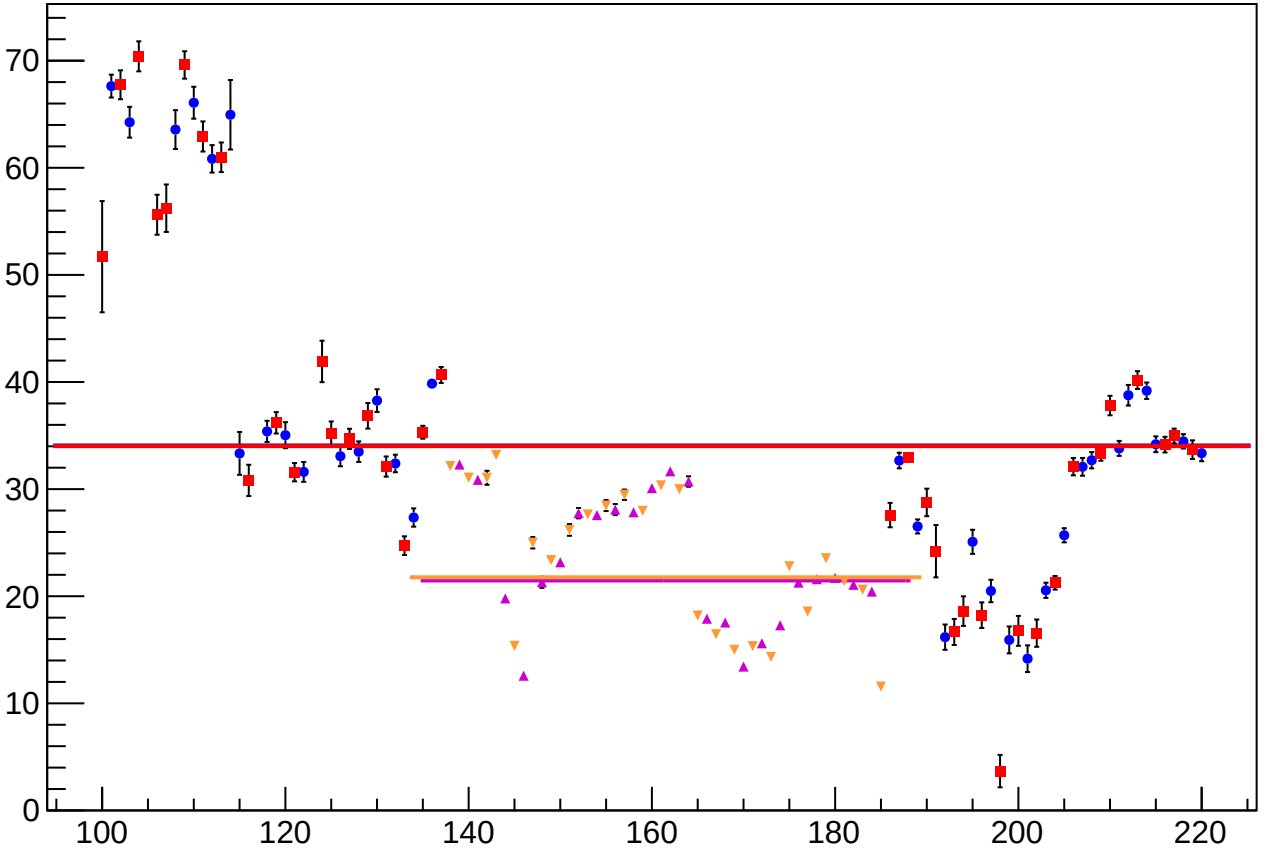
Right: 6.126+/-0.126 χ^2/NDF: 14563.0/69

In: -1.462+/-0.054 χ^2/NDF:11390.1/55

Out: -1.647+/-0.053 χ^2/NDF:10240.6/61

All: -1.556+/-0.038 χ^2/NDF: 21636.8/117

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 34.074+/-0.150 χ^2/NDF: 4661.2/32

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 34.012+/-0.151 χ^2/NDF: 5170.3/36

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

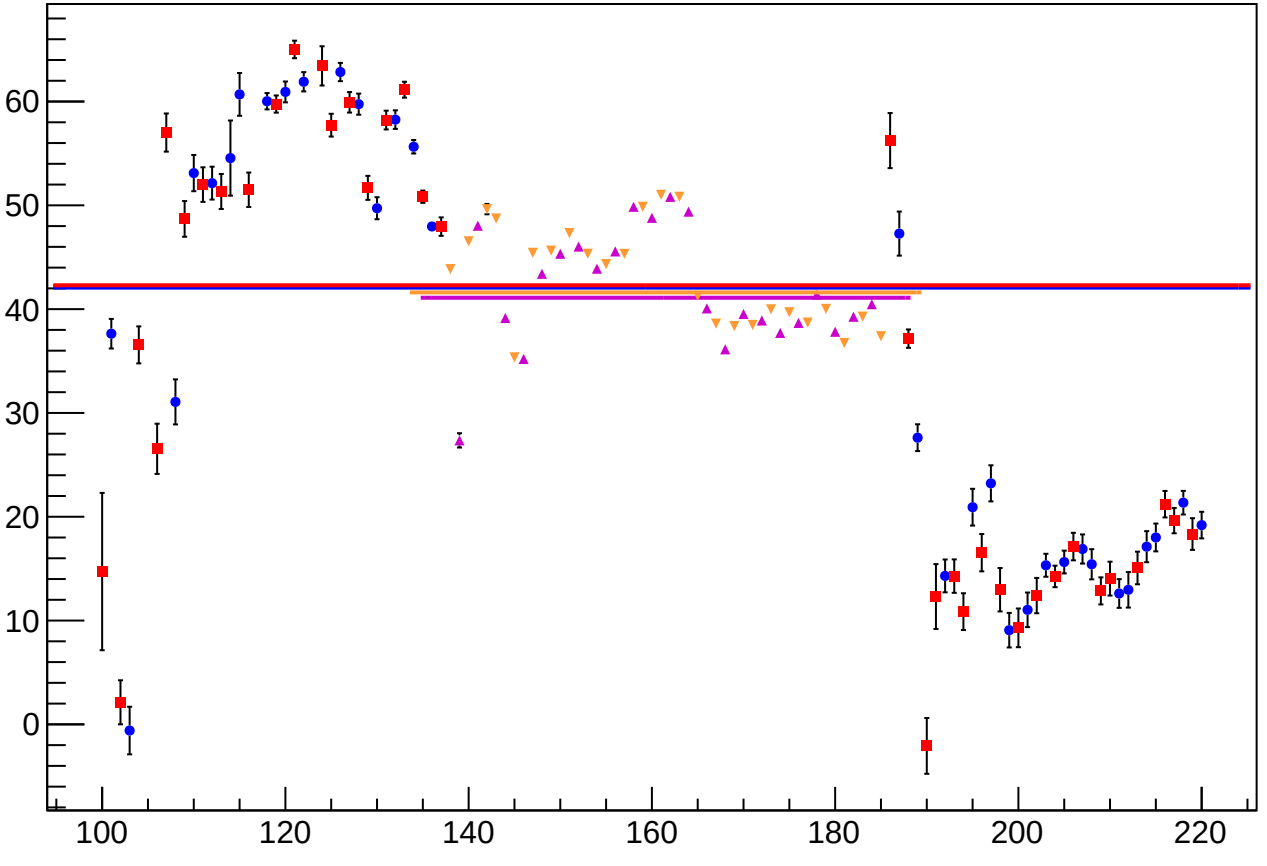
Right: 34.043+/-0.106 χ^2/NDF: 9831.6/69

In: 23.766+/-0.064 χ^2/NDF:16246.7/55

Out: 23.882+/-0.063 χ^2/NDF:17442.9/61

All: 23.825+/-0.045 χ^2/NDF: 33691.3/117

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.076+/-0.196 χ^2/NDF: 8993.0/32

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 42.299+/-0.207 χ^2/NDF: 8771.5/36

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

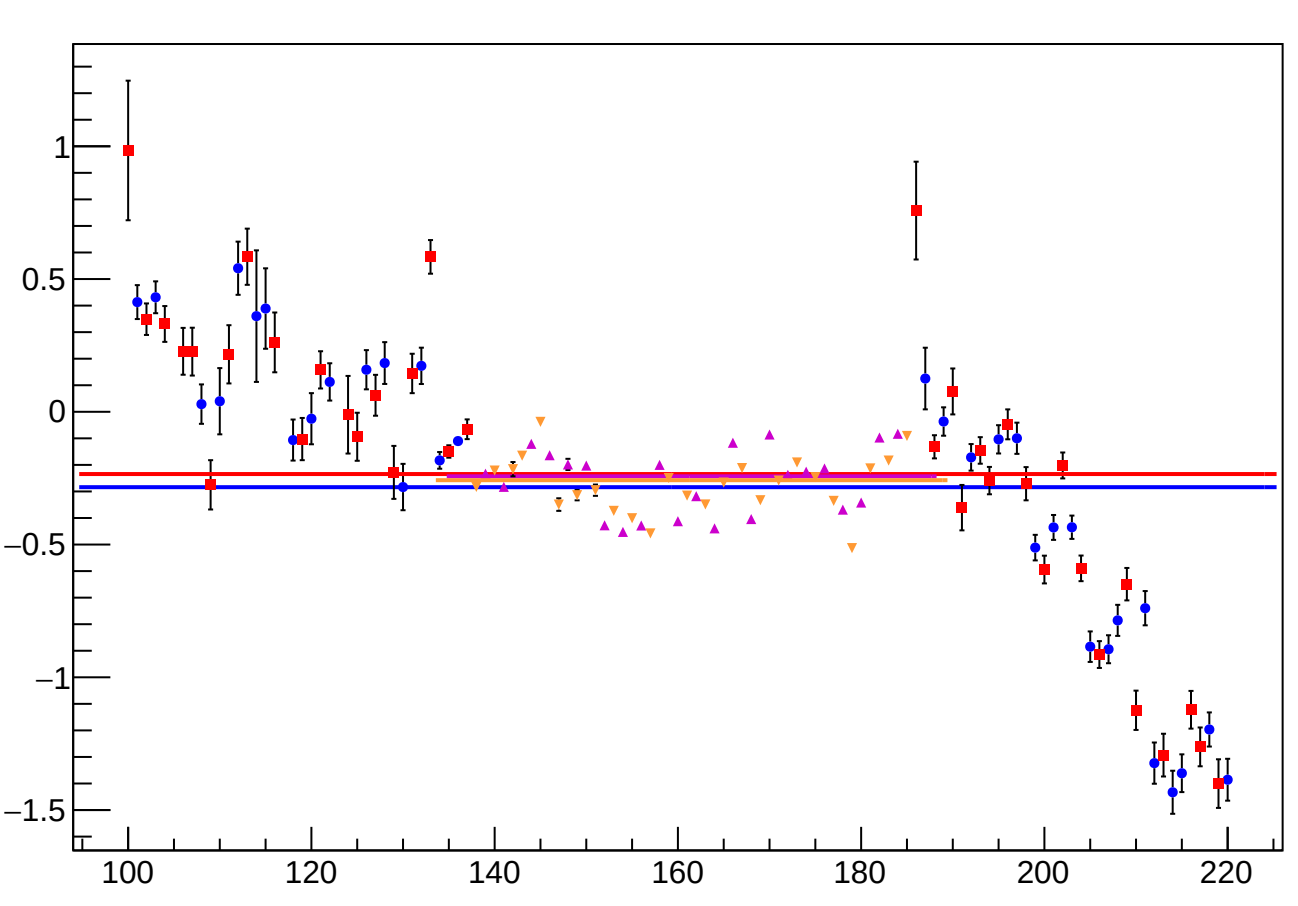
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 42.181+/-0.142 χ^2/NDF: 17765.2/69

In: 41.188+/-0.060 χ^2/NDF:14493.5/55

Out: 41.669+/-0.059 χ^2/NDF:14557.6/61

All: 41.432+/-0.042 χ^2/NDF: 29084.1/117



Right In: -0.284+/-0.009 χ^2/NDF: 2118.5/32

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.234+/-0.010 χ^2/NDF: 1845.6/36

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

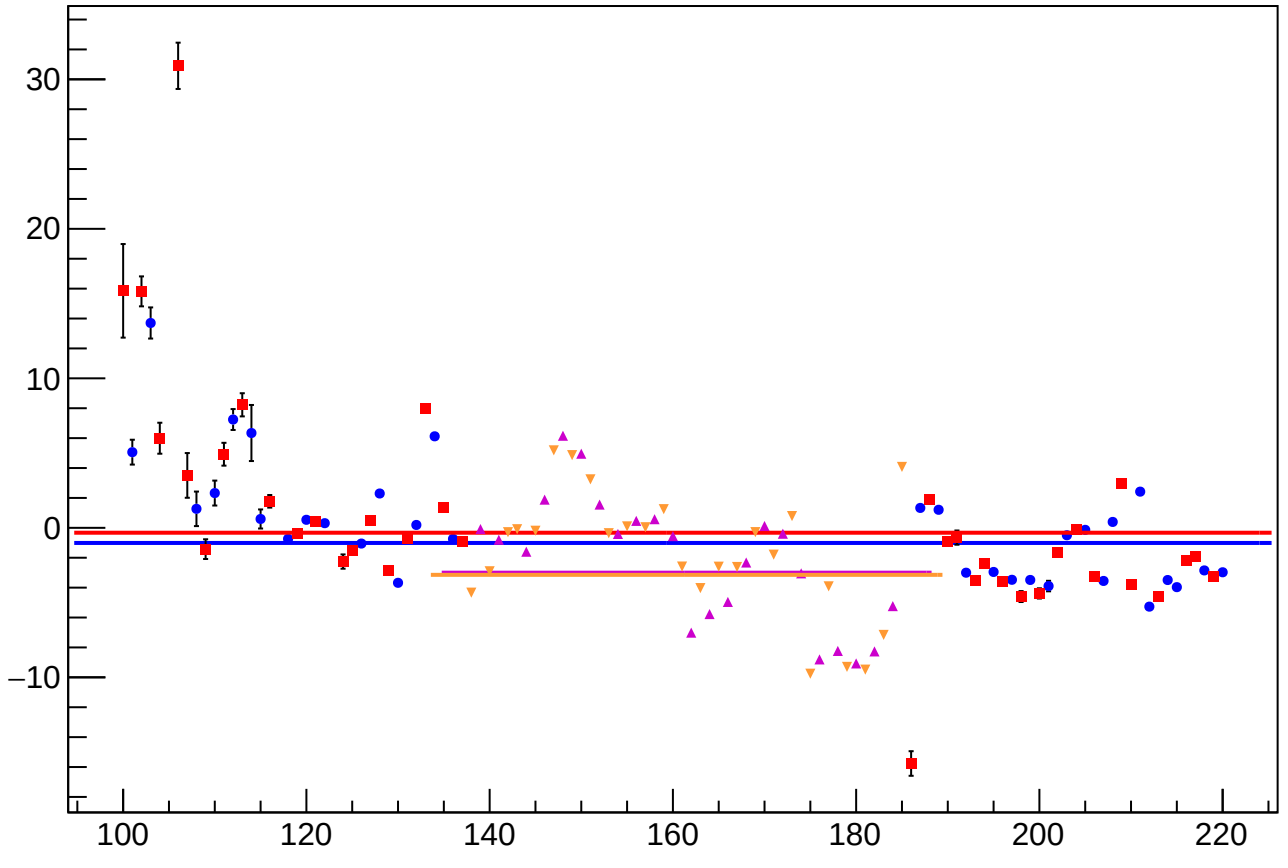
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.261+/-0.007 χ^2/NDF: 3976.8/69

In: -0.246+/-0.003 χ^2/NDF:3947.3/55

Out: -0.256+/-0.003 χ^2/NDF:3365.5/61

All: -0.251+/-0.002 χ^2/NDF: 7319.7/117



Right In: -1.011+/-0.044 χ^2/NDF: 3398.9/32

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: -0.327+/-0.044 χ^2/NDF: 5932.9/36

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

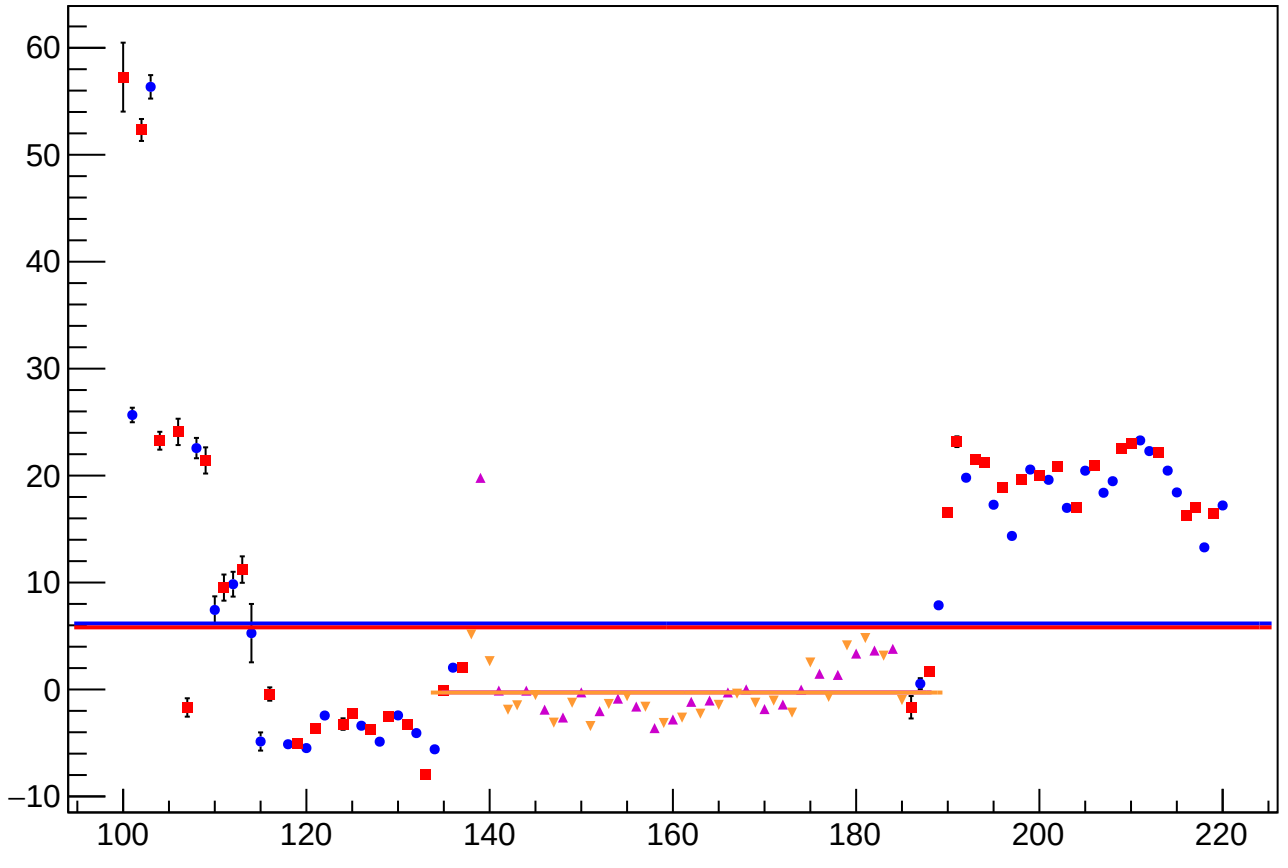
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: -0.668+/-0.031 χ^2/NDF: 9455.0/69

In: -2.406+/-0.024 χ^2/NDF:27278.9/55

Out: -2.330+/-0.023 χ^2/NDF:34273.8/61

All: -2.368+/-0.017 χ^2/NDF: 61557.9/117



Right In: 6.169+/-0.053 χ^2/NDF: 45942.0/32

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 5.807+/-0.052 χ^2/NDF: 53764.6/36

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

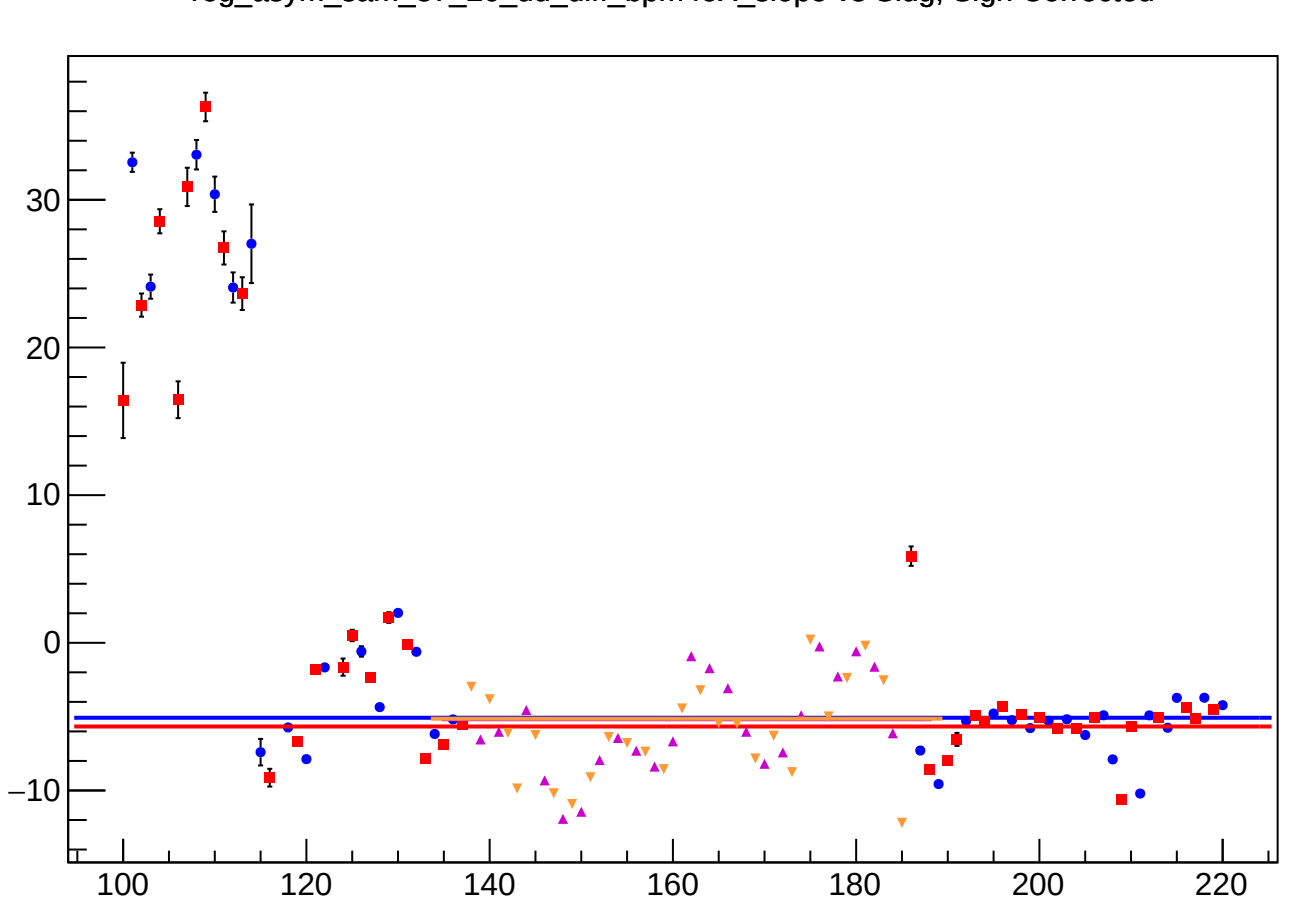
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 5.984+/-0.037 χ^2/NDF: 99730.6/69

In: 0.706+/-0.021 χ^2/NDF:71826.0/55

Out: 0.634+/-0.020 χ^2/NDF:77778.7/61

All: 0.669+/-0.014 χ^2/NDF: 149611.1/117



Right In: -5.075+/-0.044 χ^2/NDF: 10819.2/32

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.667+/-0.043 χ^2/NDF: 11574.2/36

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

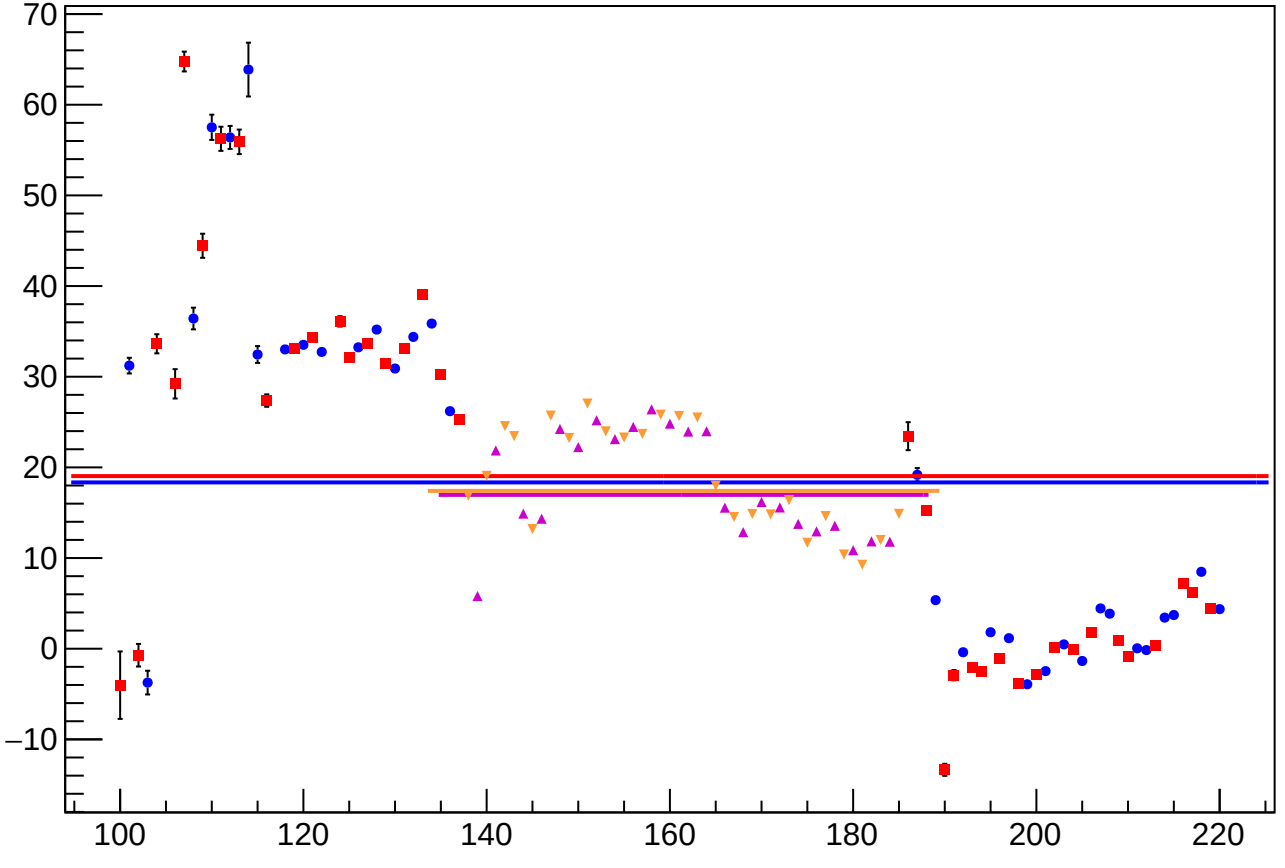
Right: -5.381+/-0.031 χ^2/NDF: 22485.0/69

In: -5.148+/-0.024 χ^2/NDF:24786.7/55

Out: -5.294+/-0.023 χ^2/NDF:26306.9/61

All: -5.222+/-0.017 χ^2/NDF: 51112.7/117

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 18.343+/-0.060 χ^2/NDF: 67197.8/32

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 19.038+/-0.060 χ^2/NDF: 79896.0/36

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

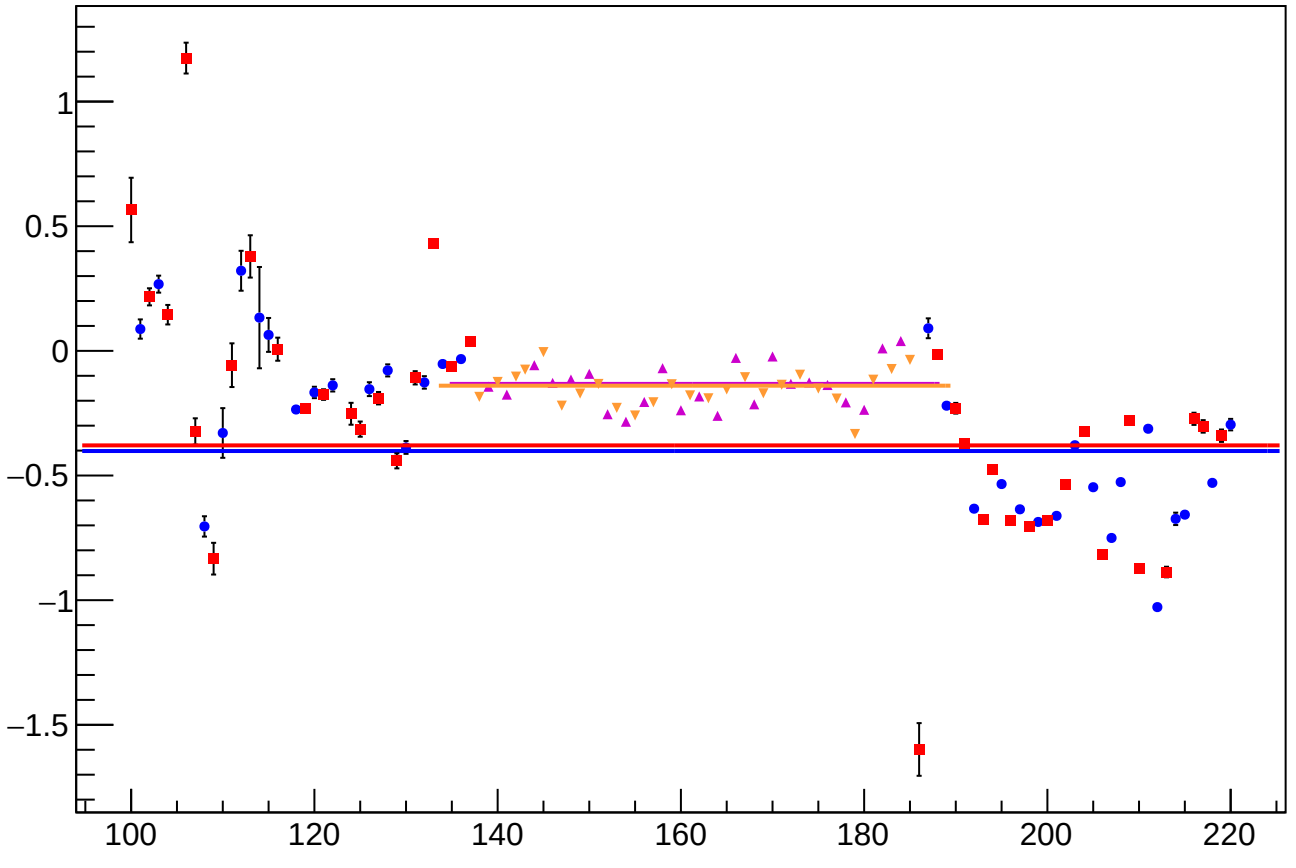
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 18.691+/-0.042 χ^2/NDF: 147161.1/69

In: 17.171+/-0.023 χ^2/NDF:107585.9/55

Out: 17.642+/-0.023 χ^2/NDF:131162.6/61

All: 17.411+/-0.016 χ^2/NDF: 238960.9/117



Right In: -0.402+/-0.003 χ^2/NDF: 9928.9/32

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.379+/-0.003 χ^2/NDF: 14201.1/36

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

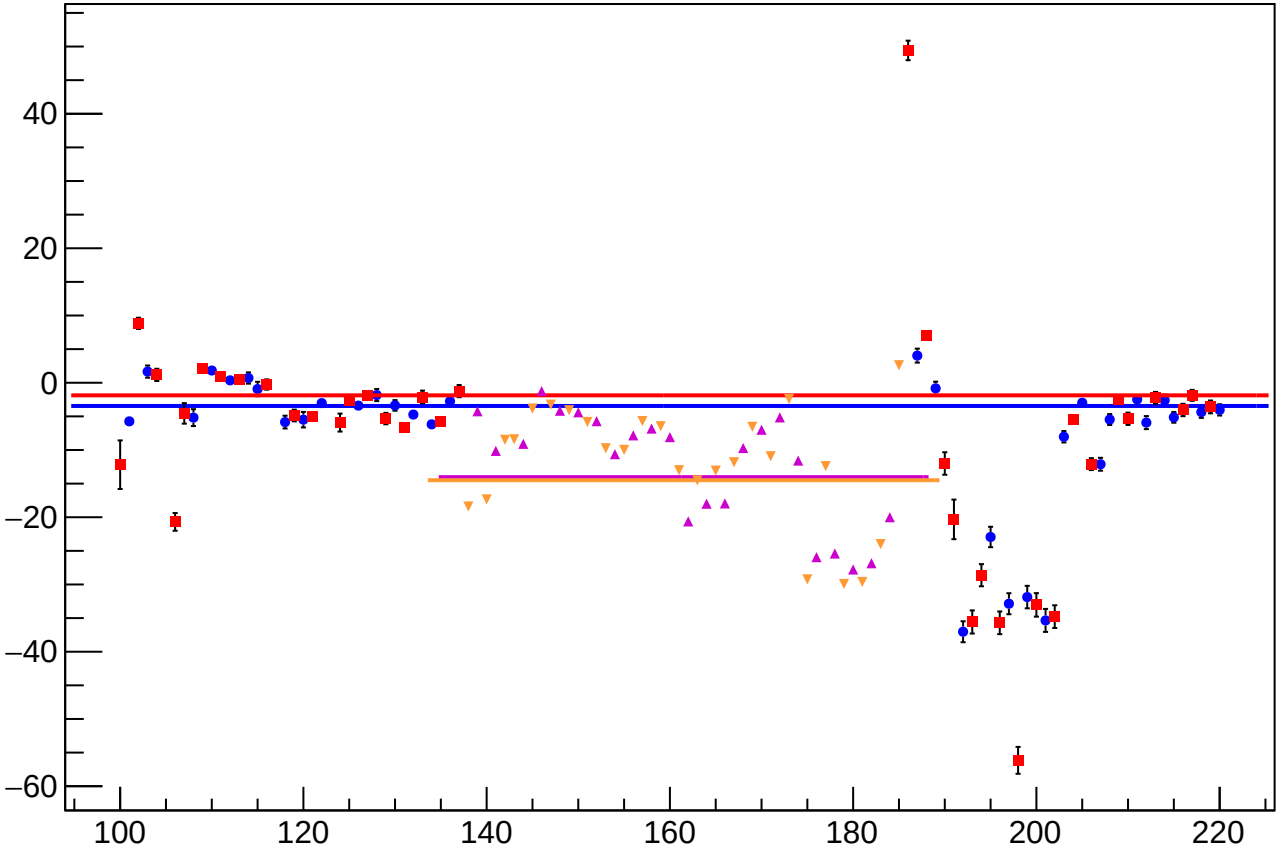
Right: -0.390+/-0.002 χ^2/NDF: 24163.2/69

In: -0.169+/-0.001 χ^2/NDF:23475.7/55

Out: -0.172+/-0.001 χ^2/NDF:24822.3/61

All: -0.171+/-0.001 χ^2/NDF: 48301.8/117

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.452+/-0.130 χ^2/NDF: 2222.4/32

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.873+/-0.125 χ^2/NDF: 5058.9/36

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

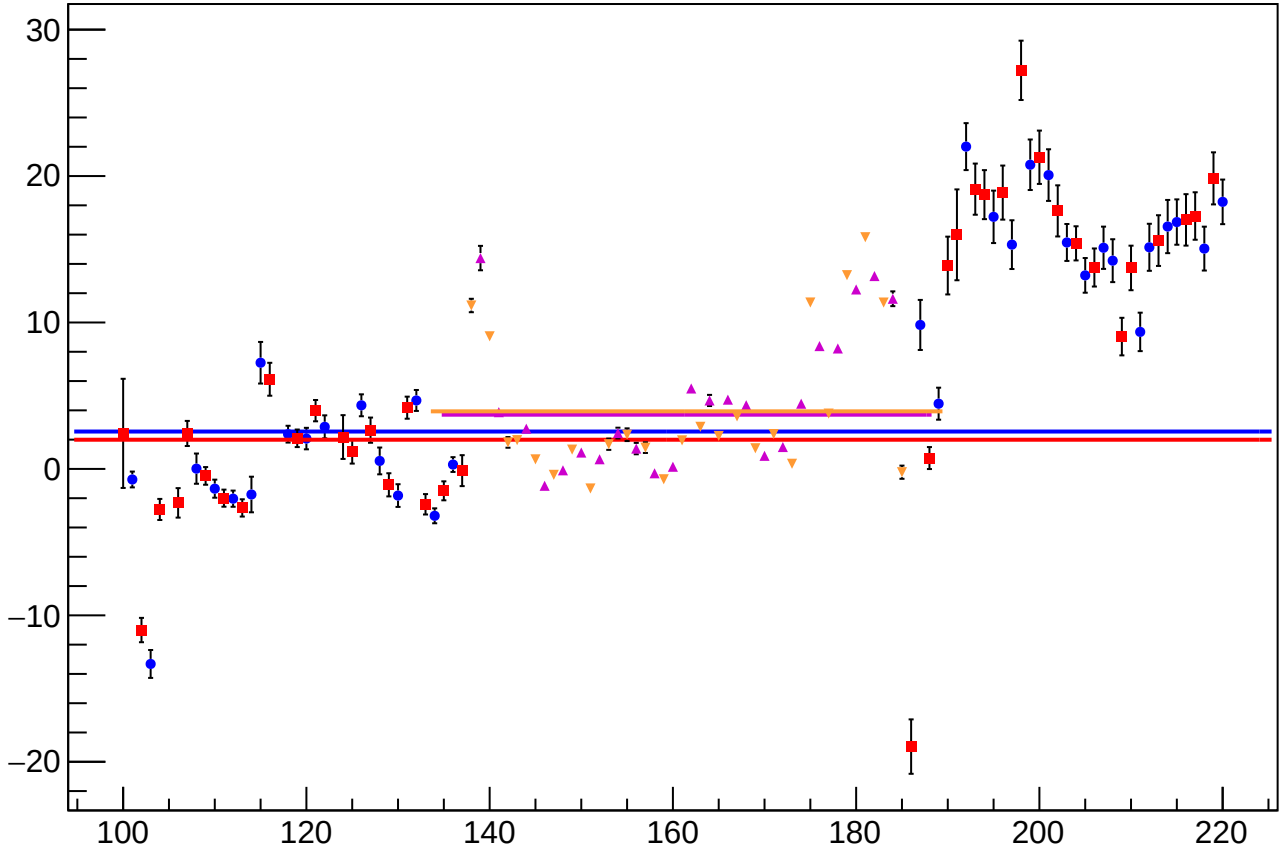
Right: -2.635+/-0.090 χ^2/NDF: 7357.8/69

In: -11.296+/-0.066 χ^2/NDF:20623.8/55

Out: -11.188+/-0.064 χ^2/NDF:29756.5/61

All: -11.241+/-0.046 χ^2/NDF: 50381.7/117

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.553+/-0.156 χ^2/NDF: 1889.4/32

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.993+/-0.158 χ^2/NDF: 1993.7/36

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

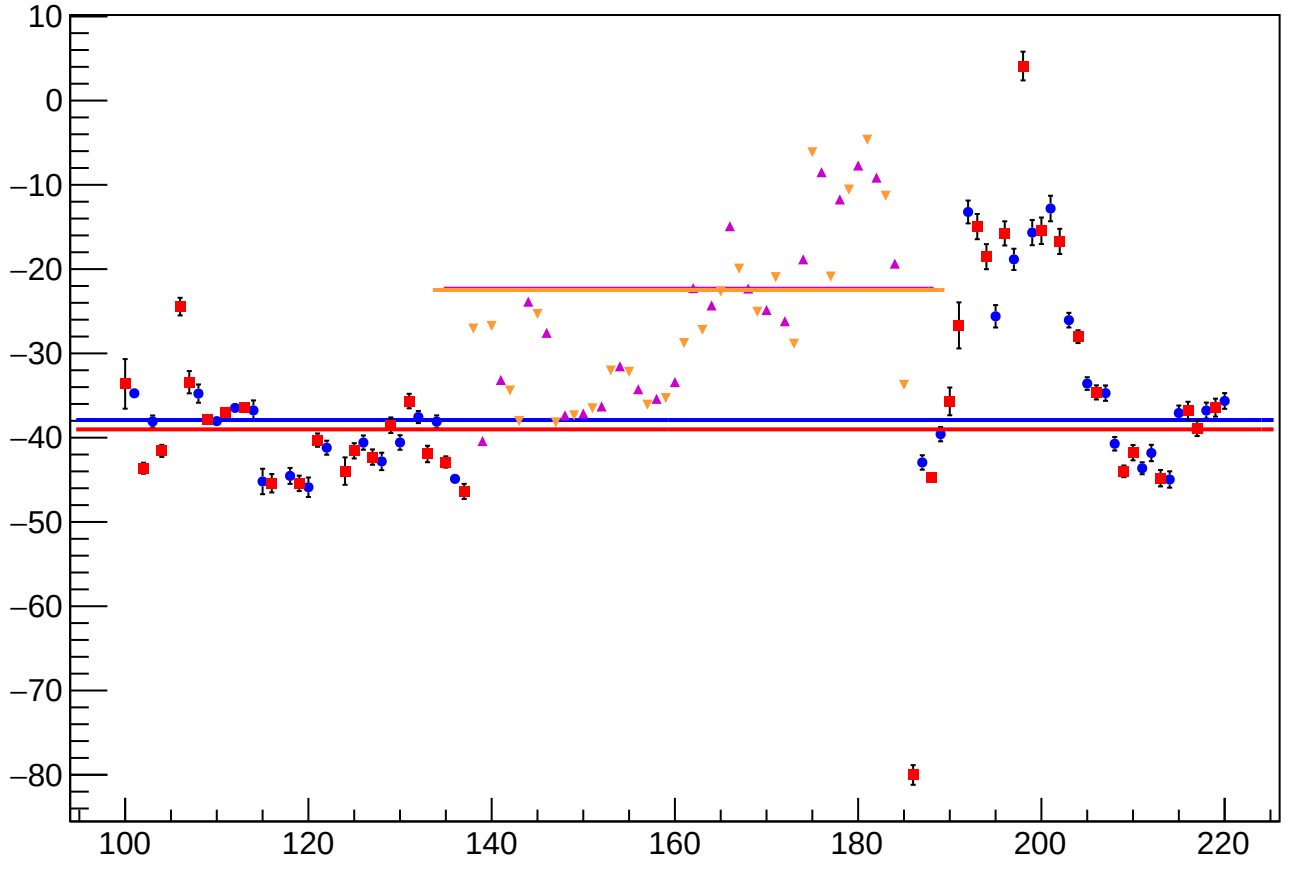
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: 2.278+/-0.111 χ^2/NDF: 3889.4/69

In: 3.558+/-0.055 χ^2/NDF:6725.5/55

Out: 3.703+/-0.054 χ^2/NDF:9104.9/61

All: 3.632+/-0.039 χ^2/NDF: 15833.9/117



Right In: -37.904+/-0.142 χ^2/NDF: 2049.4/32

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.015+/-0.141 χ^2/NDF: 4145.8/36

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

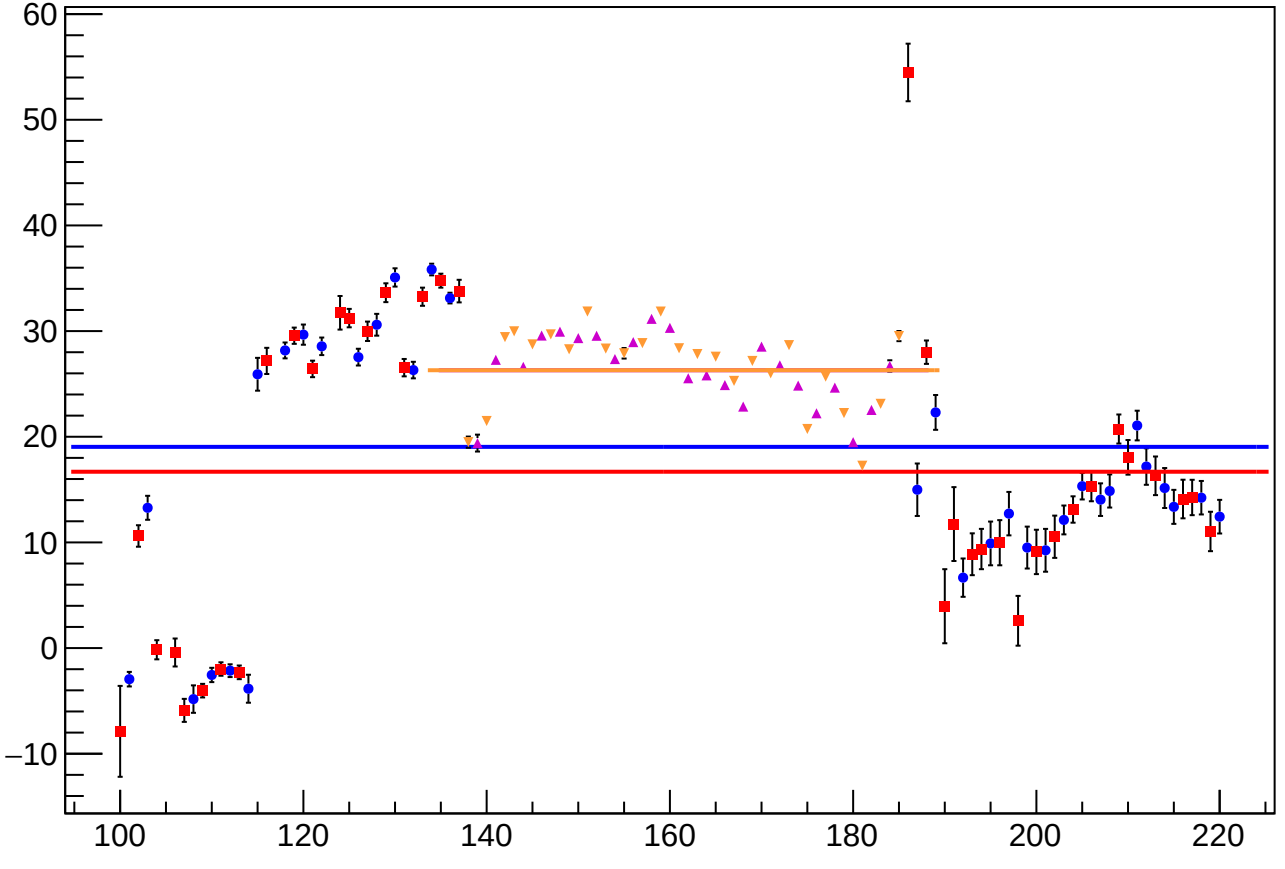
Right: -38.463+/-0.100 χ^2/NDF: 6226.0/69

In: -25.833+/-0.067 χ^2/NDF:28512.9/55

Out: -26.102+/-0.066 χ^2/NDF:35280.4/61

All: -25.970+/-0.047 χ^2/NDF: 63801.4/117

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.043+/-0.175 χ^2/NDF: 6943.2/32

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.689+/-0.180 χ^2/NDF: 7181.6/36

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

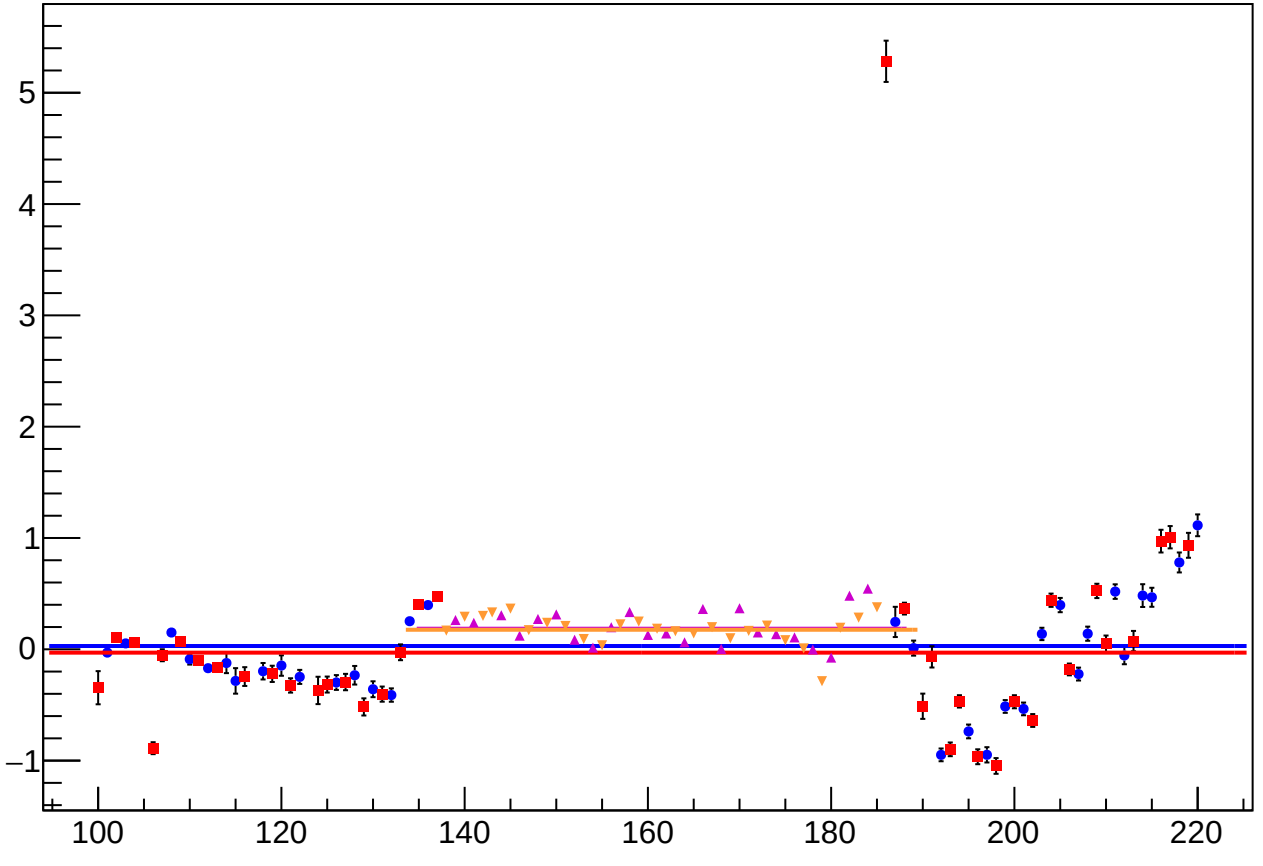
Right: 17.896+/-0.126 χ^2/NDF: 14212.6/69

In: 25.379+/-0.062 χ^2/NDF:10620.5/55

Out: 25.184+/-0.061 χ^2/NDF:13011.0/61

All: 25.280+/-0.044 χ^2/NDF: 23636.4/117

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.030+/-0.009 χ^2/NDF: 1786.7/32

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.030+/-0.009 χ^2/NDF: 3000.7/36

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

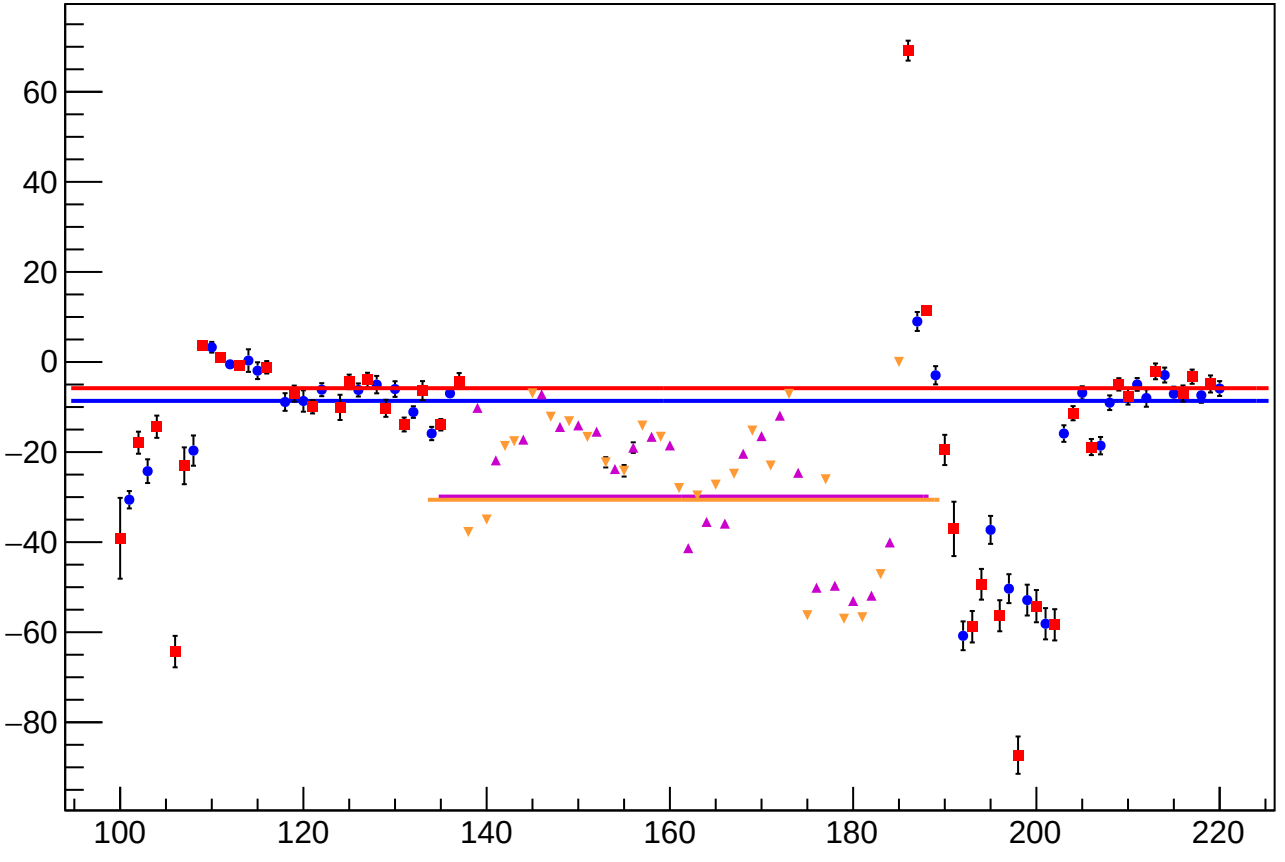
Right: 0.001+/-0.006 χ^2/NDF: 4809.3/69

In: 0.169+/-0.003 χ^2/NDF:4604.2/55

Out: 0.157+/-0.003 χ^2/NDF:5392.3/61

All: 0.163+/-0.002 χ^2/NDF: 10006.3/117

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.633+/-0.293 χ^2/NDF: 1447.6/32

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.813+/-0.291 χ^2/NDF: 3515.6/36

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

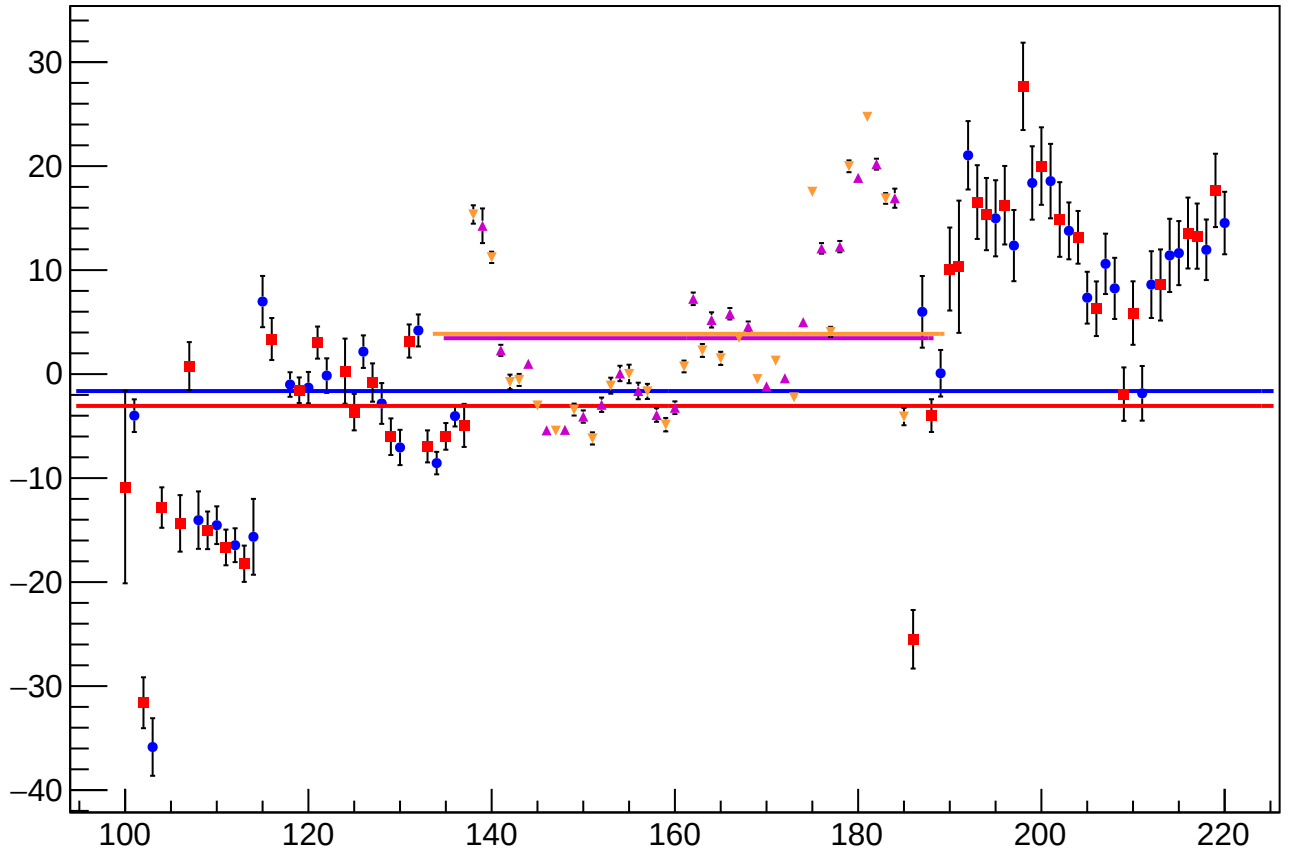
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -7.215+/-0.206 χ^2/NDF: 5009.9/69

In: -25.633+/-0.131 χ^2/NDF:17700.6/55

Out: -25.816+/-0.128 χ^2/NDF:25412.9/61

All: -25.727+/-0.091 χ^2/NDF: 43114.5/117



Right In: -1.630+/-0.348 χ^2/NDF: 735.7/32

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.059+/-0.360 χ^2/NDF: 865.1/36

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

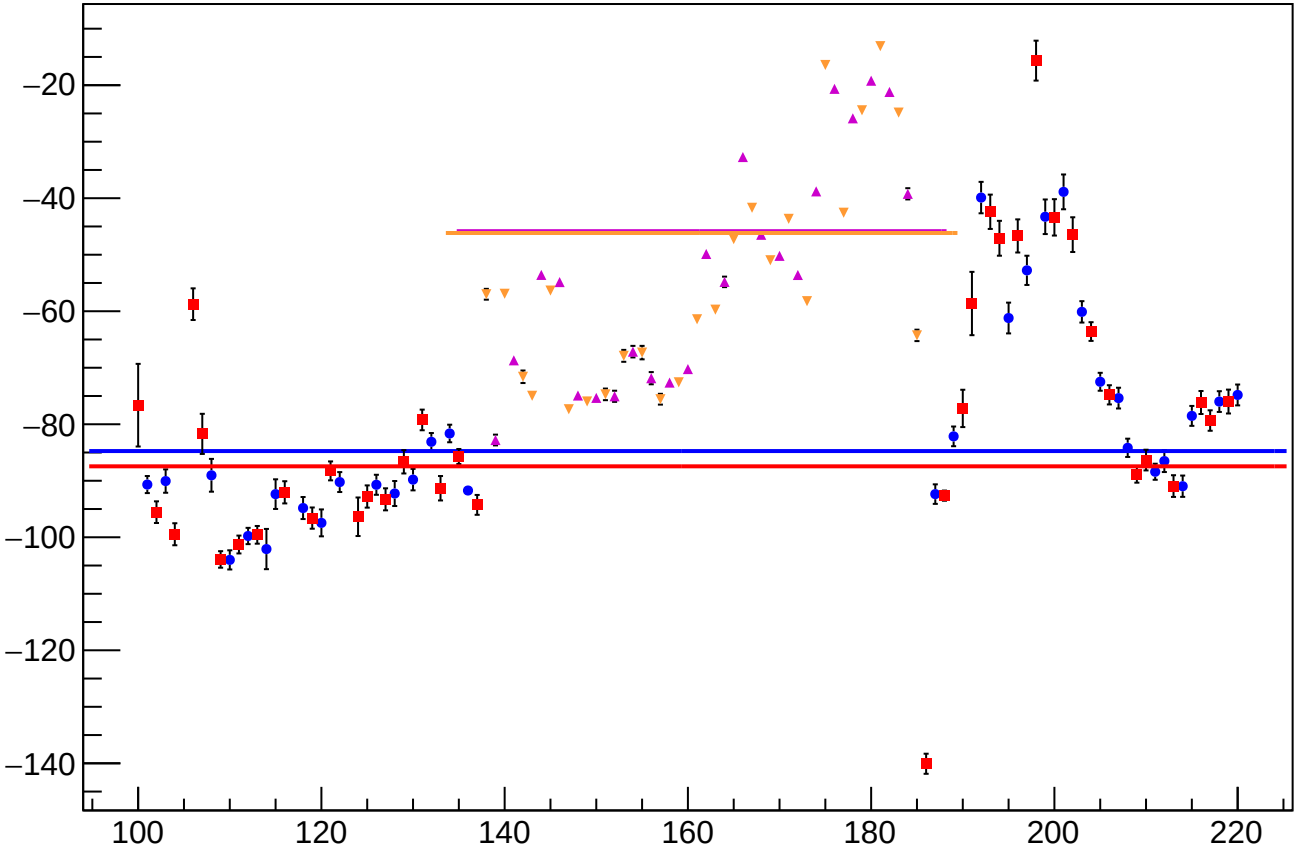
Right: -2.320+/-0.250 χ^2/NDF: 1609.0/69

In: 2.962+/-0.108 χ^2/NDF:5622.7/55

Out: 3.268+/-0.106 χ^2/NDF:7746.3/61

All: 3.117+/-0.076 χ^2/NDF: 13373.0/117

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -84.744+/-0.314 χ^2/NDF: 1711.2/32

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -87.445+/-0.316 χ^2/NDF: 3179.6/36

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

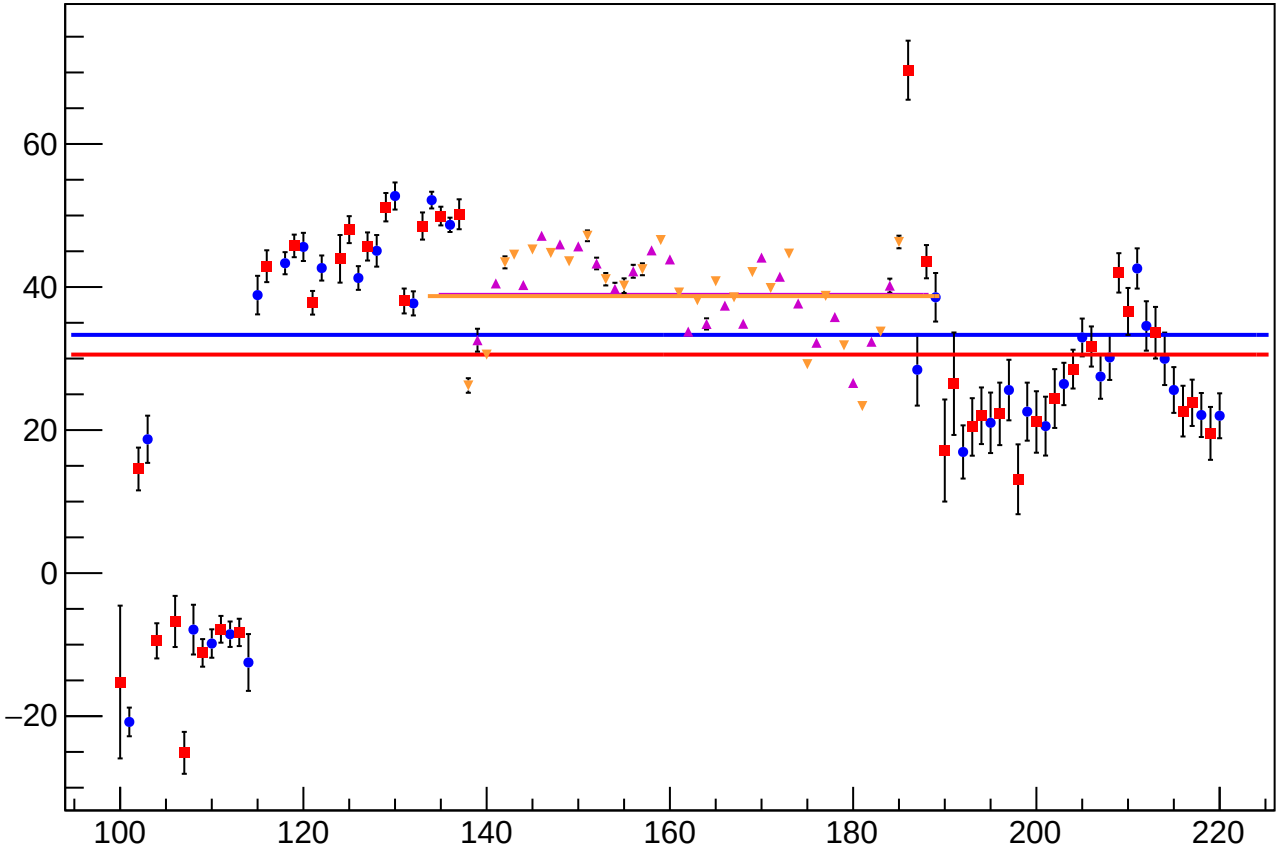
Right: -86.087+/-0.222 χ^2/NDF: 4927.7/69

In: -52.761+/-0.132 χ^2/NDF:32278.6/55

Out: -53.141+/-0.130 χ^2/NDF:38862.4/61

All: -52.954+/-0.093 χ^2/NDF: 71145.3/117

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.312+/-0.389 χ^2/NDF: 2924.3/32

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.556+/-0.408 χ^2/NDF: 3114.0/36

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

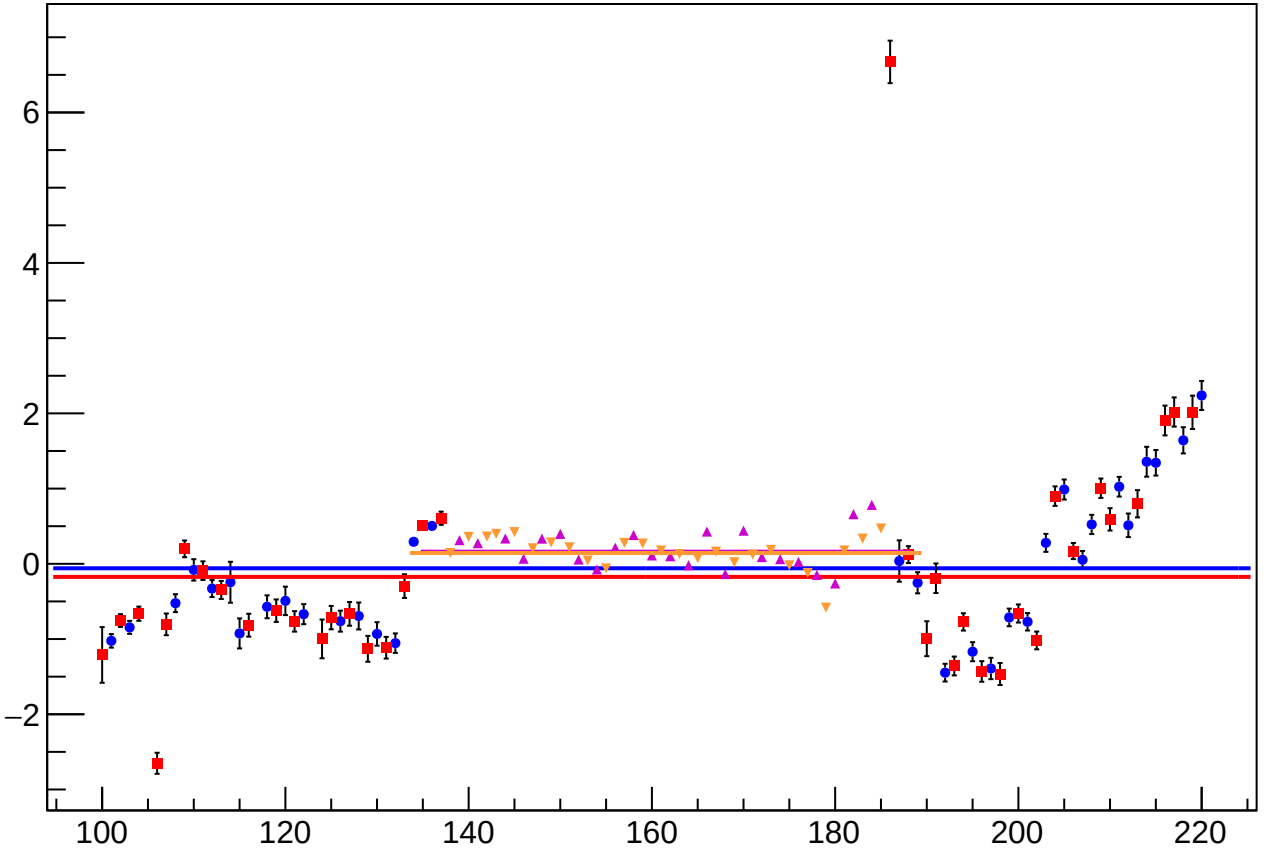
Right: 31.999+/-0.282 χ^2/NDF: 6062.2/69

In: 38.363+/-0.121 χ^2/NDF:5082.5/55

Out: 38.033+/-0.119 χ^2/NDF:6263.1/61

All: 38.195+/-0.085 χ^2/NDF: 11349.4/117

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.059+/-0.020 χ^2/NDF: 1538.2/32

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.174+/-0.021 χ^2/NDF: 2341.6/36

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

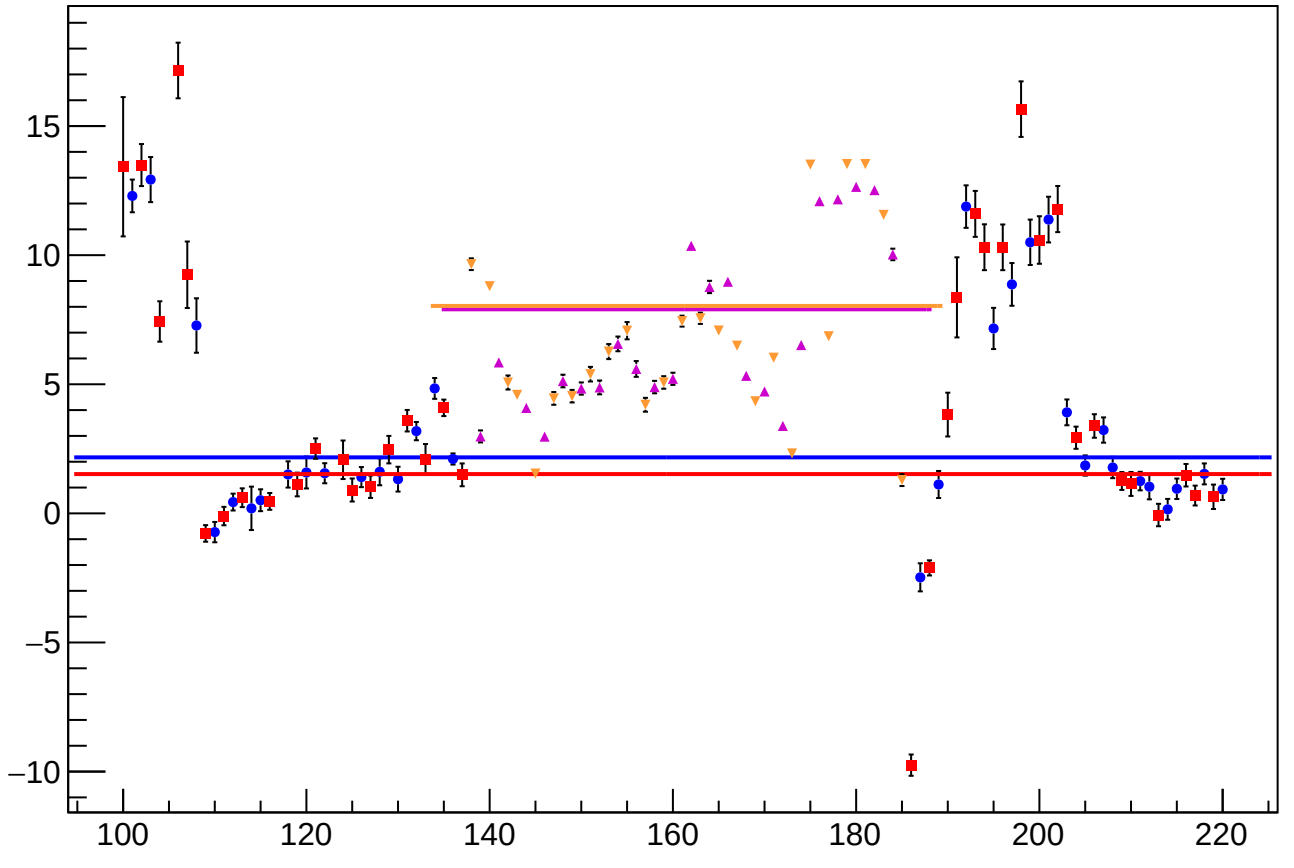
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.113+/-0.014 χ^2/NDF: 3895.9/69

In: 0.144+/-0.005 χ^2/NDF:3574.0/55

Out: 0.122+/-0.005 χ^2/NDF:4002.1/61

All: 0.133+/-0.004 χ^2/NDF: 7584.1/117



Right In: 2.169+/-0.079 χ^2/NDF: 1194.8/32

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.522+/-0.079 χ^2/NDF: 2435.7/36

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

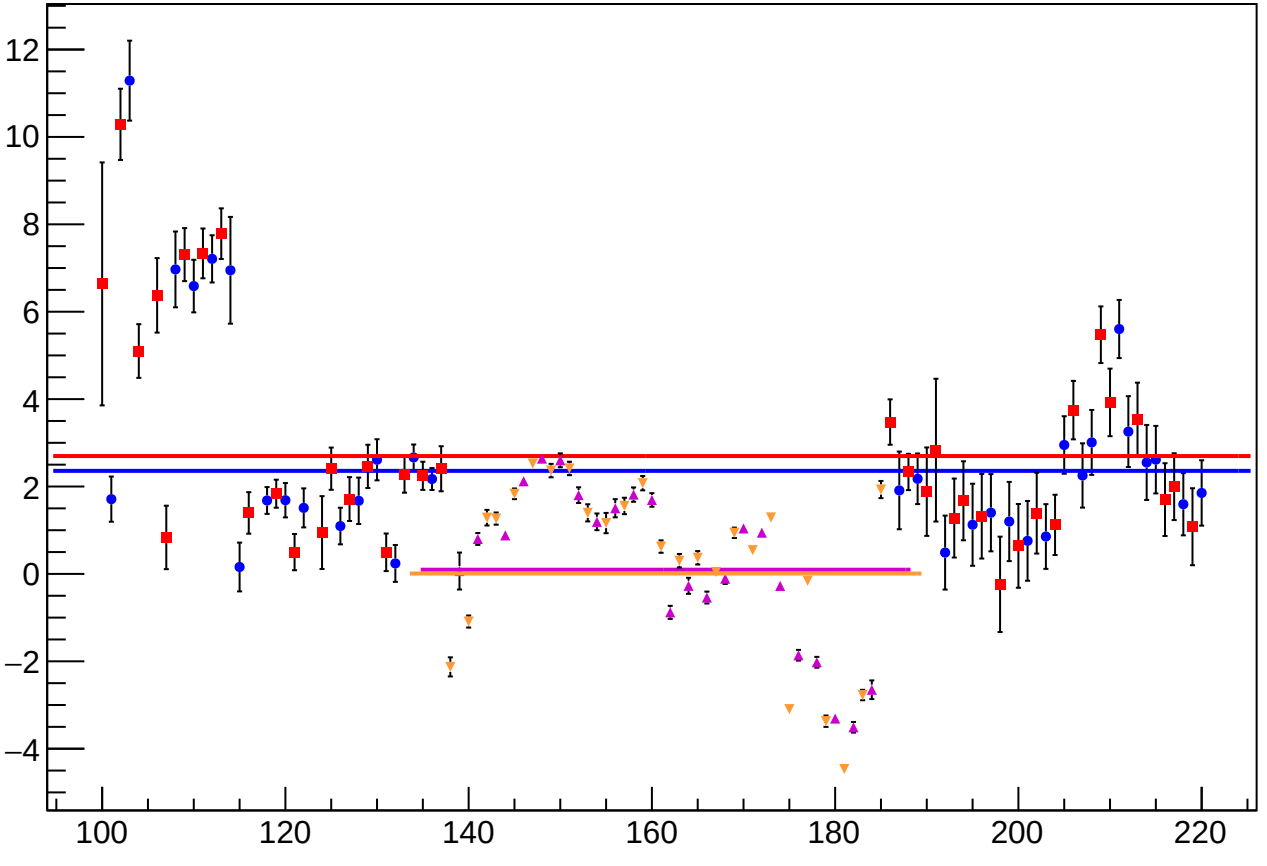
Right: 1.846+/-0.056 χ^2/NDF: 3664.4/69

In: 6.918+/-0.033 χ^2/NDF:15619.2/55

Out: 6.973+/-0.032 χ^2/NDF:22087.4/61

All: 6.946+/-0.023 χ^2/NDF: 37708.1/117

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.358+/-0.094 χ^2/NDF: 379.4/32

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.697+/-0.097 χ^2/NDF: 469.9/36

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

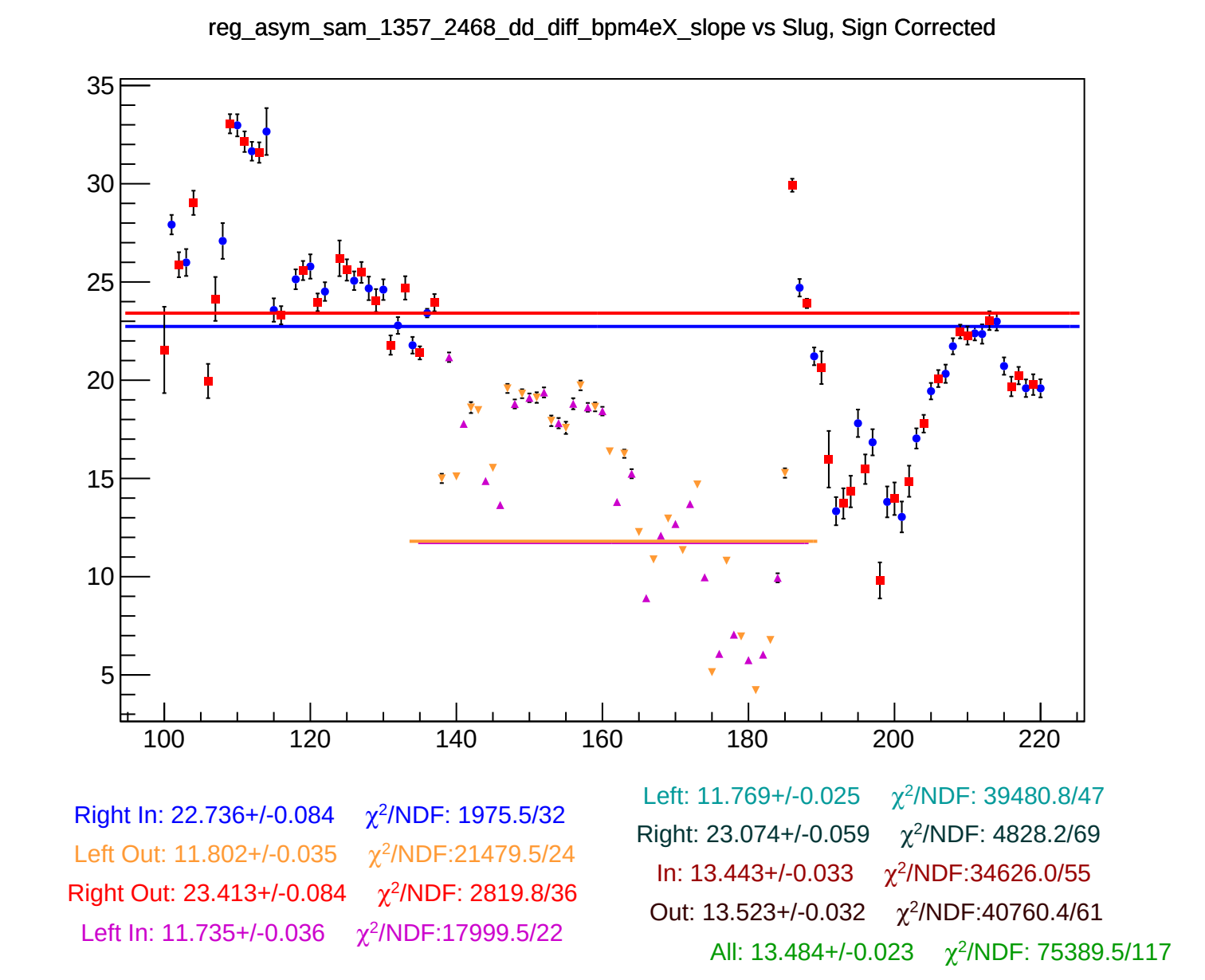
Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

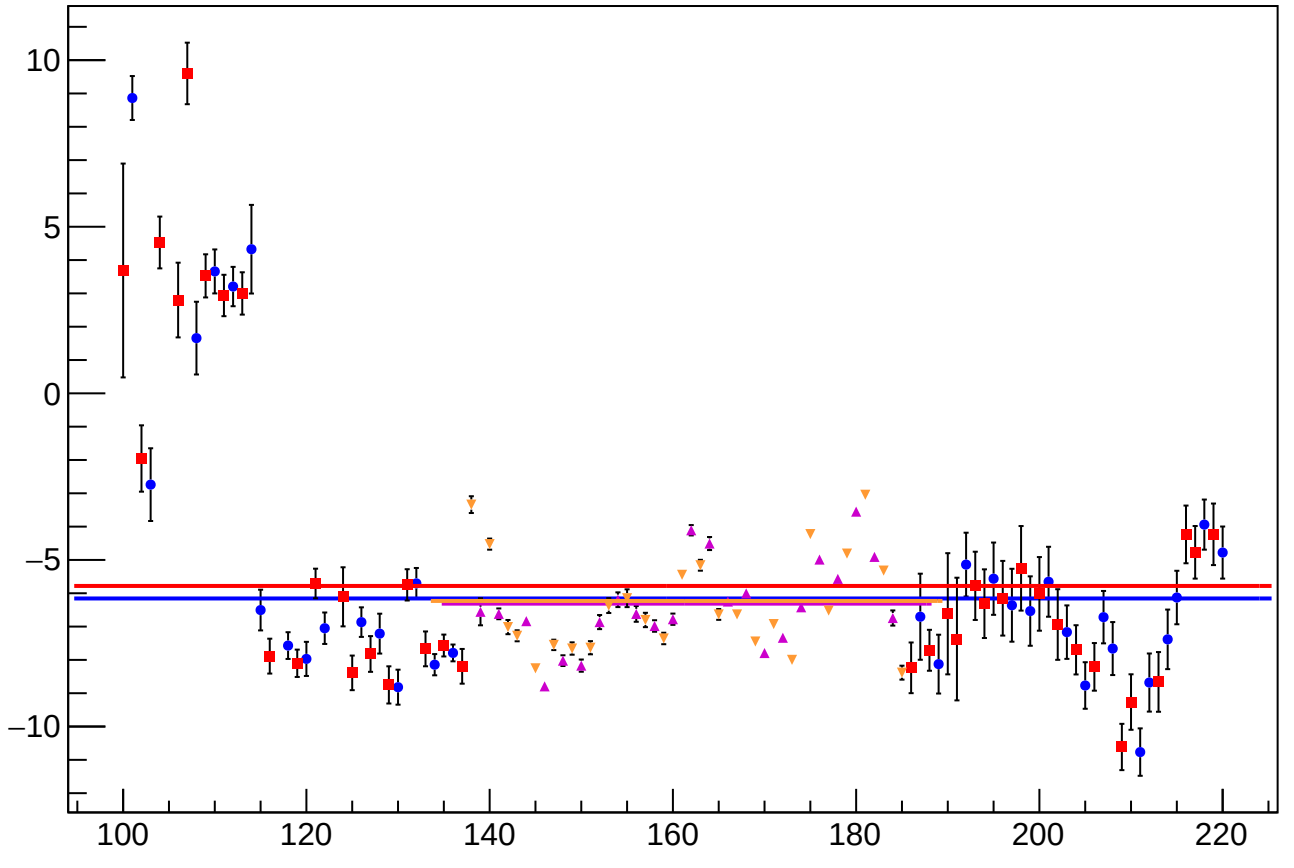
Right: 2.522+/-0.067 χ^2/NDF: 855.6/69

In: 0.283+/-0.027 χ^2/NDF:5347.9/55

Out: 0.208+/-0.026 χ^2/NDF:6941.4/61

All: 0.245+/-0.019 χ^2/NDF: 12293.3/117


reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
100
120
140
160
180
200
220
Right In: 22.736+/-0.084 χ²/NDF: 1975.5/32
Left Out: 11.802+/-0.035 χ²/NDF:21479.5/24
Right Out: 23.413+/-0.084 χ²/NDF: 2819.8/36
Left In: 11.735+/-0.036 χ²/NDF:17999.5/22
Left: 11.769+/-0.025 χ²/NDF: 39480.8/47
Right: 23.074+/-0.059 χ²/NDF: 4828.2/69
In: 13.443+/-0.033 χ²/NDF:34626.0/55
Out: 13.523+/-0.032 χ²/NDF:40760.4/61
All: 13.484+/-0.023 χ²/NDF: 75389.5/117



Right In: -6.157+/-0.105 χ^2/NDF: 1347.5/32

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.781+/-0.110 χ^2/NDF: 1435.7/36

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

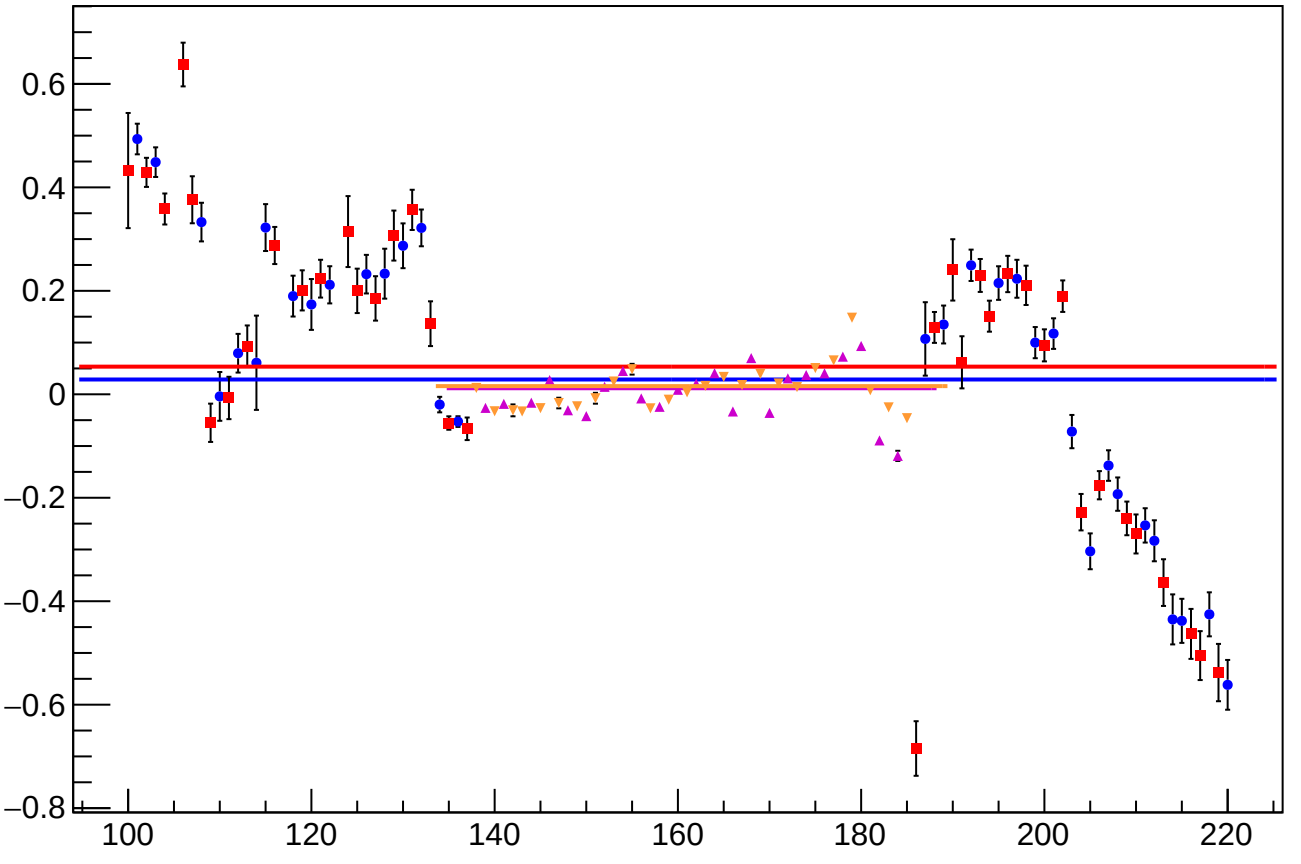
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.978+/-0.076 χ^2/NDF: 2789.3/69

In: -6.298+/-0.030 χ^2/NDF:3379.6/55

Out: -6.198+/-0.030 χ^2/NDF:3901.2/61

All: -6.247+/-0.021 χ^2/NDF: 7286.5/117



Right In: 0.029+/-0.005 χ^2/NDF: 1777.8/32

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.053+/-0.006 χ^2/NDF: 1914.9/36

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

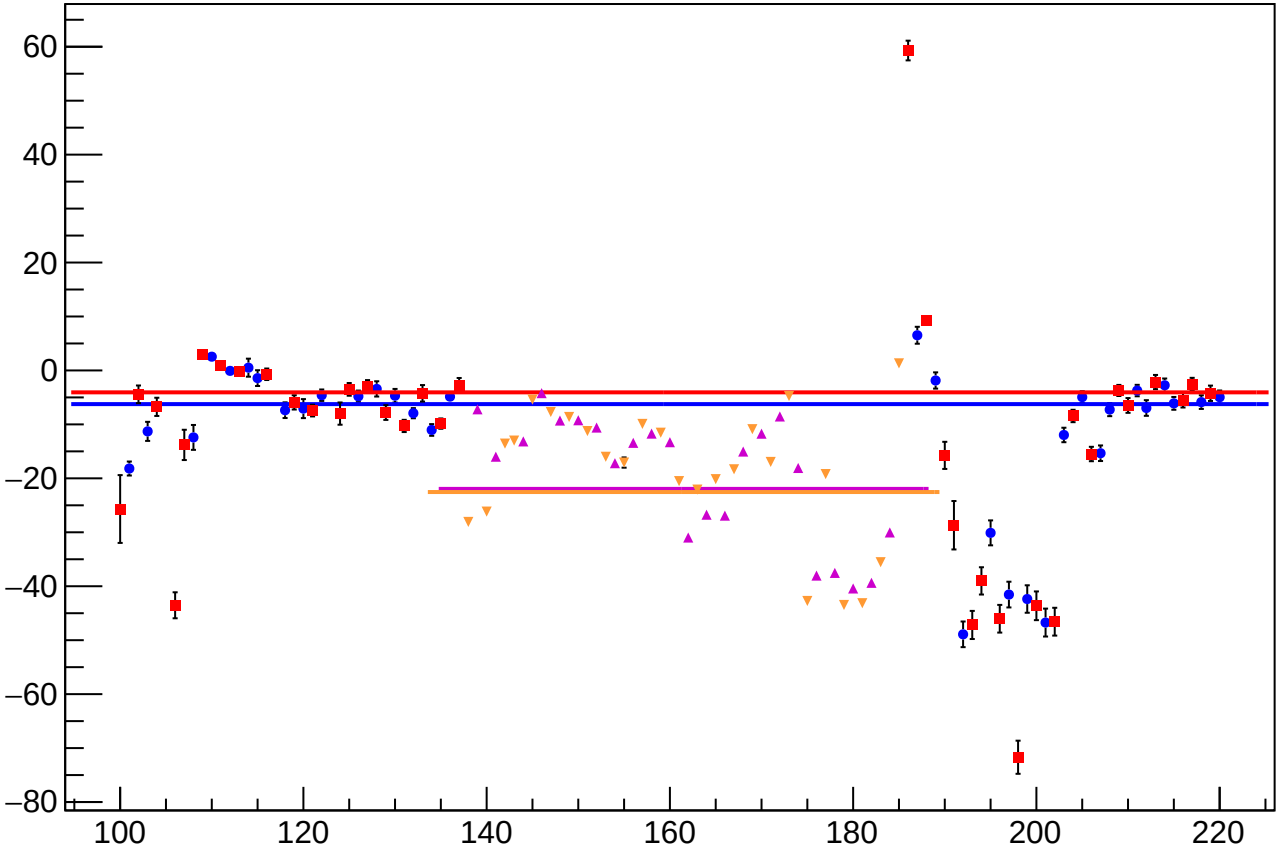
Right: 0.040+/-0.004 χ^2/NDF: 3703.2/69

In: 0.013+/-0.001 χ^2/NDF:3085.0/55

Out: 0.018+/-0.001 χ^2/NDF:2891.0/61

All: 0.015+/-0.001 χ^2/NDF: 5983.3/117

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.242+/-0.213 χ^2/NDF: 1618.9/32

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.062+/-0.210 χ^2/NDF: 3915.4/36

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

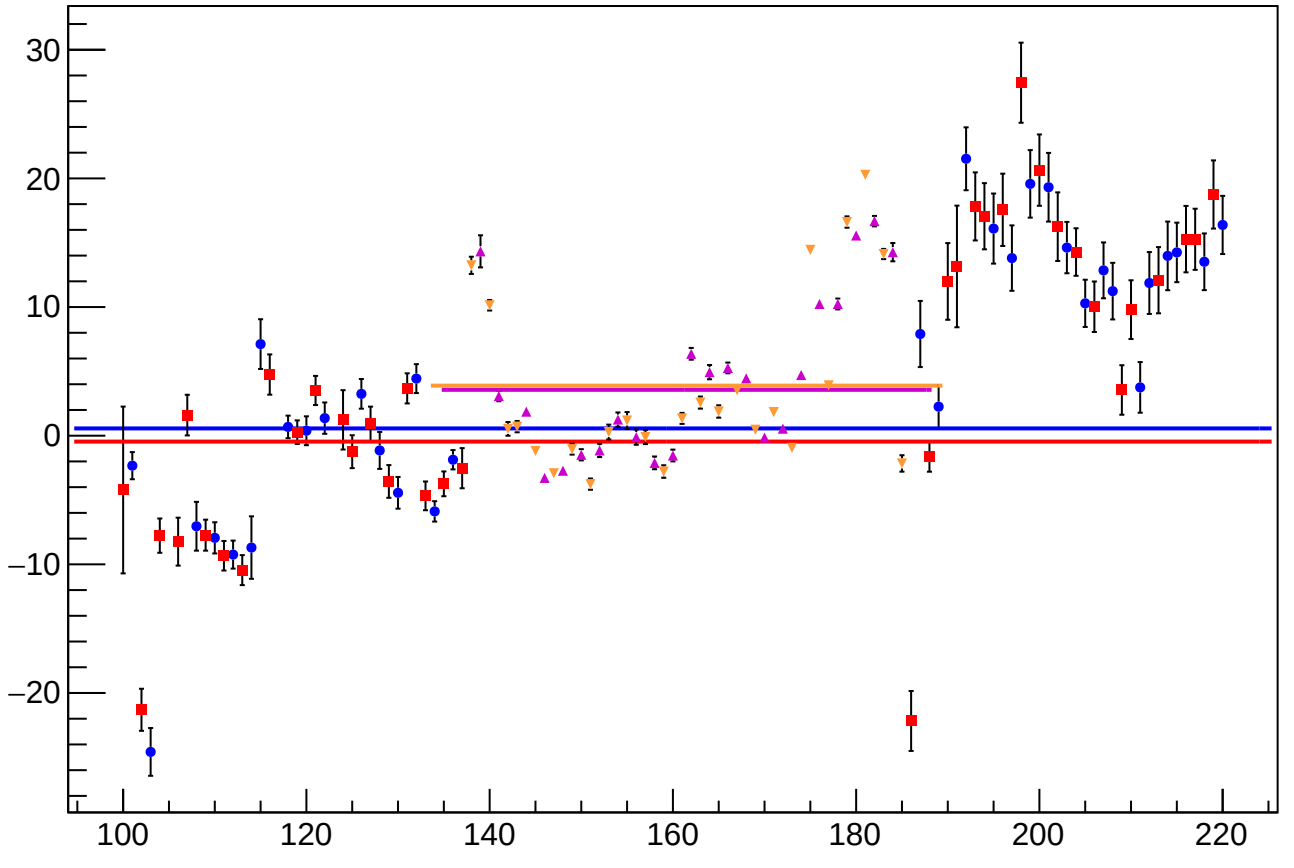
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -5.139+/-0.149 χ^2/NDF: 5587.5/69

In: -18.585+/-0.099 χ^2/NDF:18492.3/55

Out: -18.670+/-0.096 χ^2/NDF:26570.5/61

All: -18.629+/-0.069 χ^2/NDF: 45063.2/117



Right In: 0.566+/-0.253 χ^2/NDF: 1021.6/32

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -0.457+/-0.261 χ^2/NDF: 1154.4/36

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

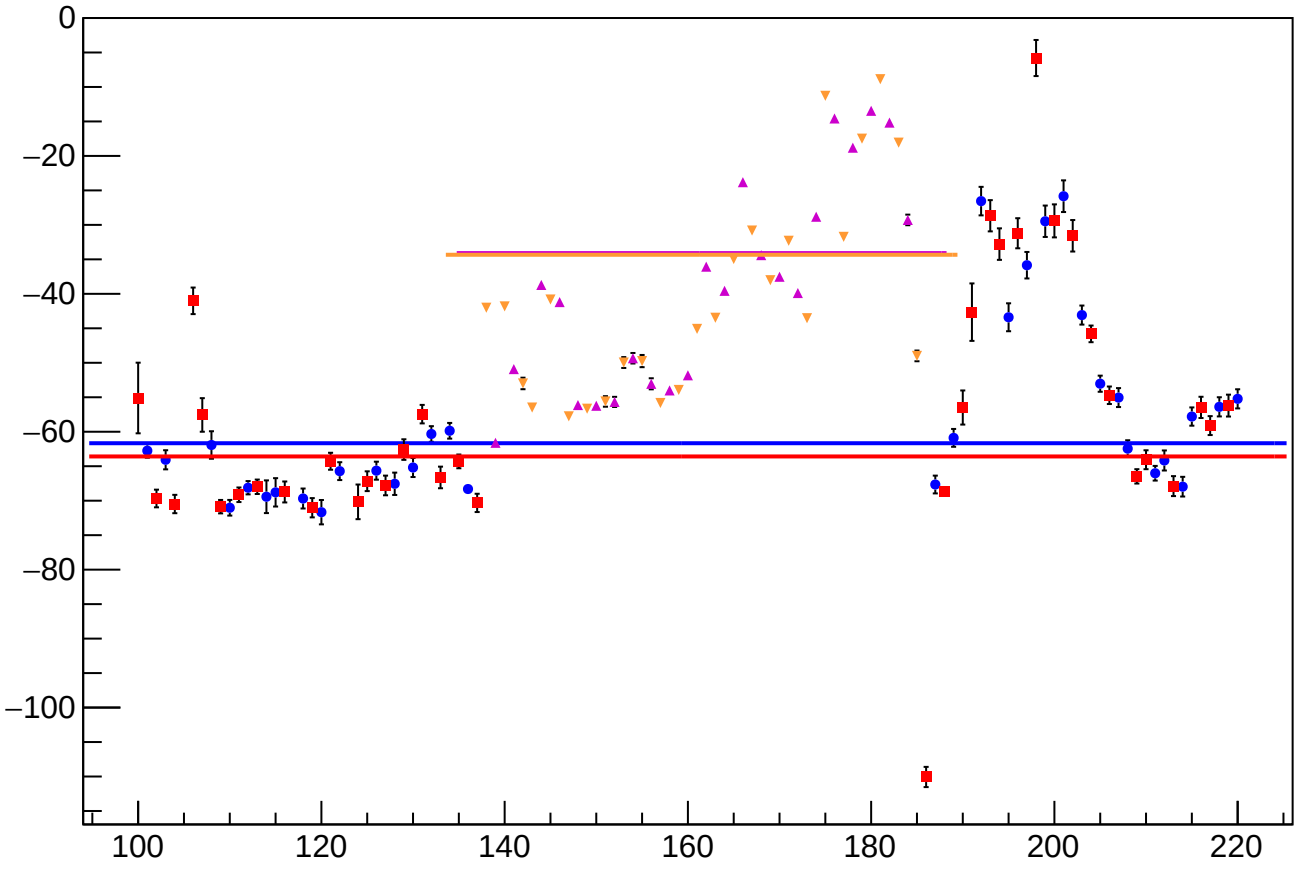
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: 0.070+/-0.182 χ^2/NDF: 2183.9/69

In: 3.253+/-0.082 χ^2/NDF:5887.0/55

Out: 3.480+/-0.080 χ^2/NDF:8130.5/61

All: 3.369+/-0.057 χ^2/NDF: 14021.4/117



Right In: -61.665+/-0.229 χ^2/NDF: 1707.1/32

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.584+/-0.230 χ^2/NDF: 3371.6/36

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

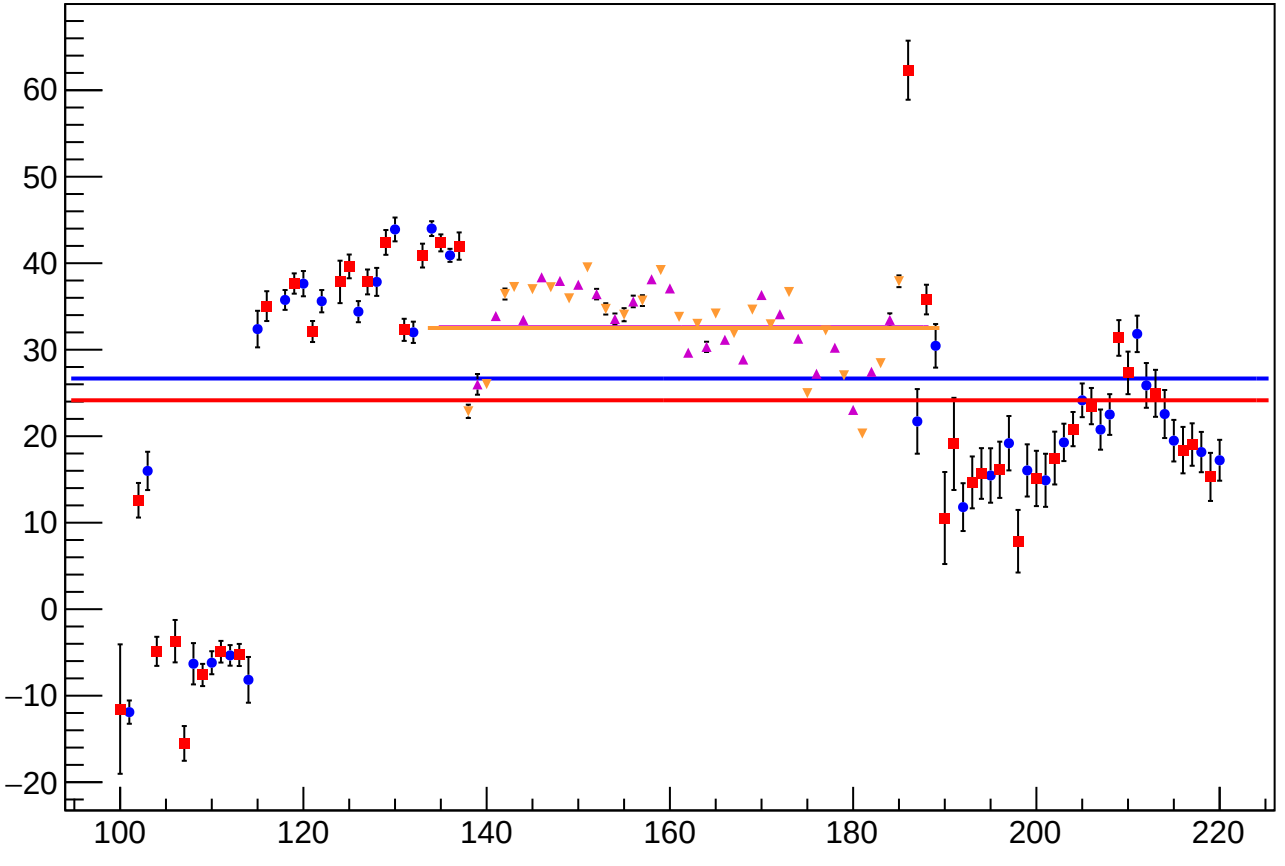
Right: -62.620+/-0.162 χ^2/NDF: 5113.6/69

In: -39.328+/-0.100 χ^2/NDF:31164.7/55

Out: -39.639+/-0.098 χ^2/NDF:37810.6/61

All: -39.487+/-0.070 χ^2/NDF: 68980.2/117

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 26.670+/-0.284 χ^2/NDF: 3895.9/32

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.152+/-0.296 χ^2/NDF: 4113.8/36

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

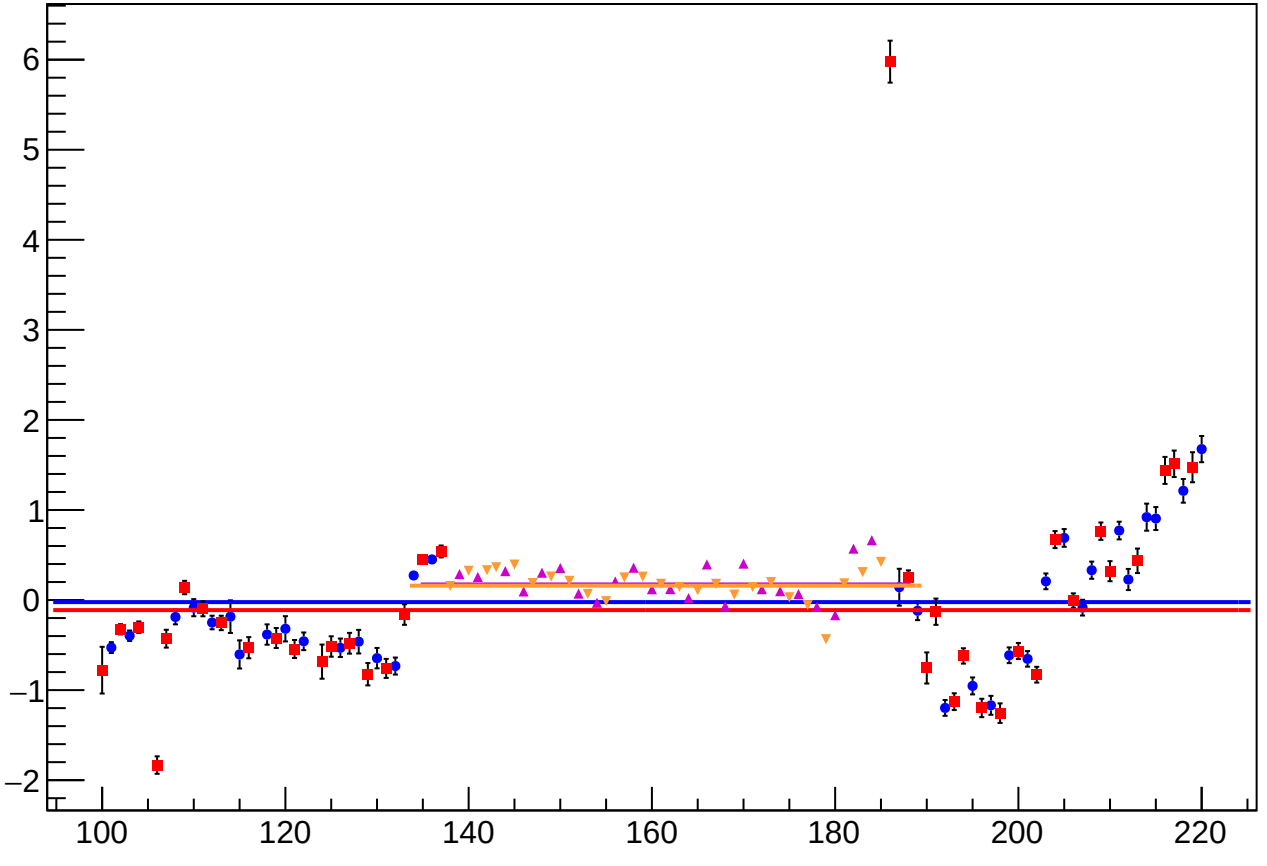
Right: 25.463+/-0.205 χ^2/NDF: 8047.4/69

In: 31.980+/-0.092 χ^2/NDF:6300.2/55

Out: 31.736+/-0.090 χ^2/NDF:7776.6/61

All: 31.856+/-0.064 χ^2/NDF: 14080.4/117

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.014 χ^2/NDF: 1545.0/32

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.112+/-0.015 χ^2/NDF: 2511.9/36

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

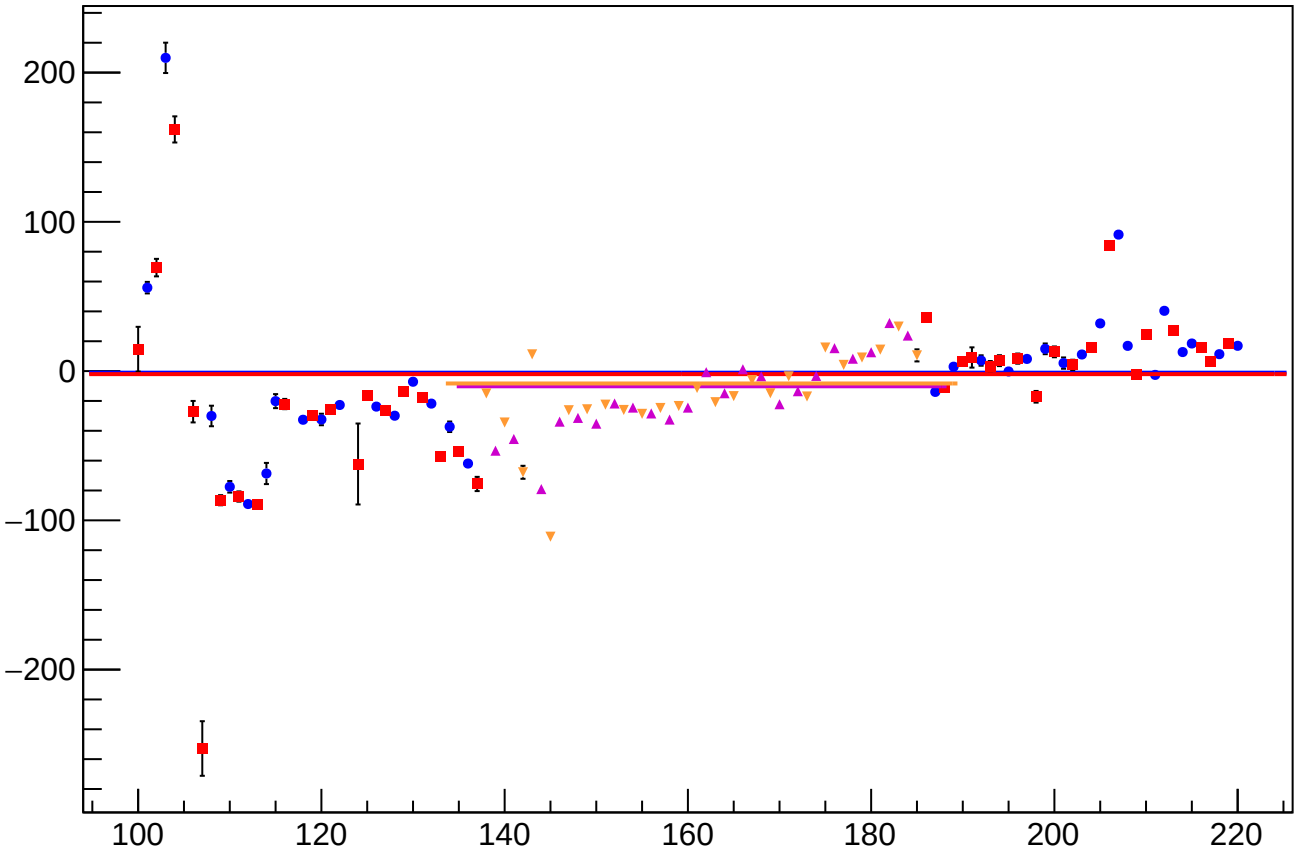
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.065+/-0.010 χ^2/NDF: 4075.2/69

In: 0.157+/-0.004 χ^2/NDF:3847.5/55

Out: 0.140+/-0.004 χ^2/NDF:4424.8/61

All: 0.148+/-0.003 χ^2/NDF: 8280.8/117



Right In: -1.065+/-0.490 χ^2/NDF: 5140.2/32

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -2.040+/-0.467 χ^2/NDF: 6023.0/36

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

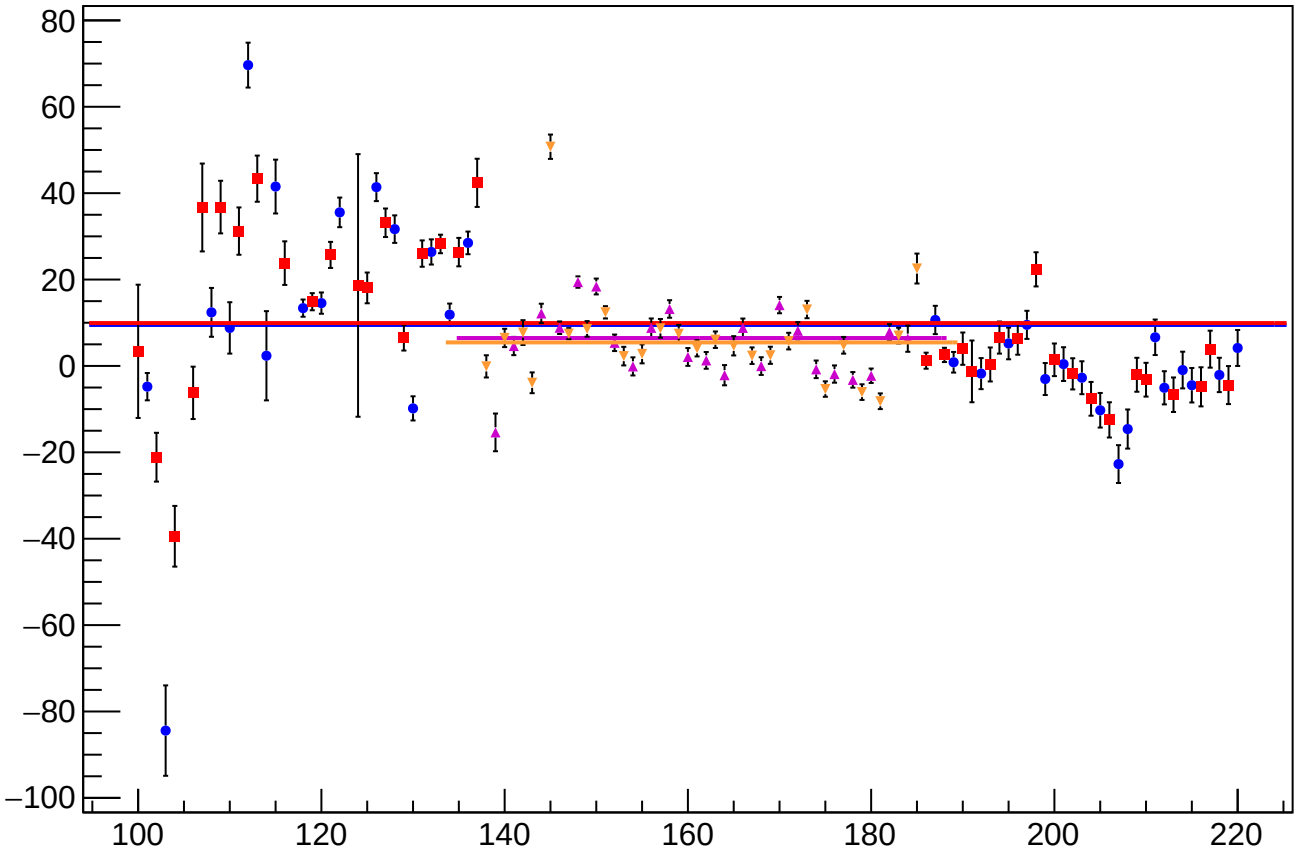
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -1.576+/-0.338 χ^2/NDF: 11165.3/69

In: -5.299+/-0.359 χ^2/NDF:7819.4/55

Out: -4.874+/-0.346 χ^2/NDF:8663.8/61

All: -5.078+/-0.249 χ^2/NDF: 16484.0/117



Right In: 9.490+/-0.605 χ^2/NDF: 809.7/32

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 9.923+/-0.581 χ^2/NDF: 615.5/36

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

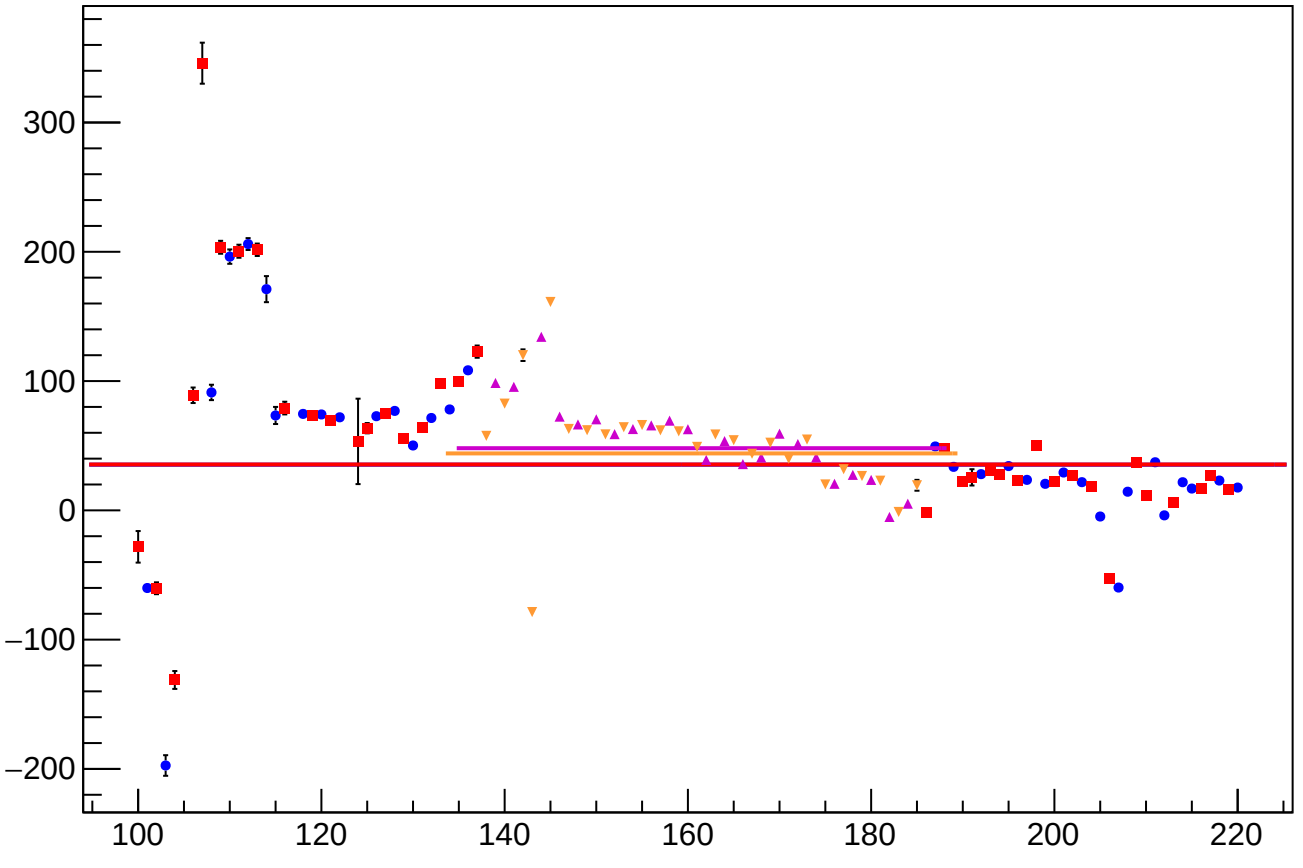
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 9.716+/-0.419 χ^2/NDF: 1425.4/69

In: 7.407+/-0.338 χ^2/NDF:1162.9/55

Out: 6.856+/-0.326 χ^2/NDF:1149.9/61

All: 7.122+/-0.235 χ^2/NDF: 2314.1/117



Right In: 35.323+/-0.494 χ^2/NDF: 8425.0/32

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 35.479+/-0.453 χ^2/NDF: 9446.8/36

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

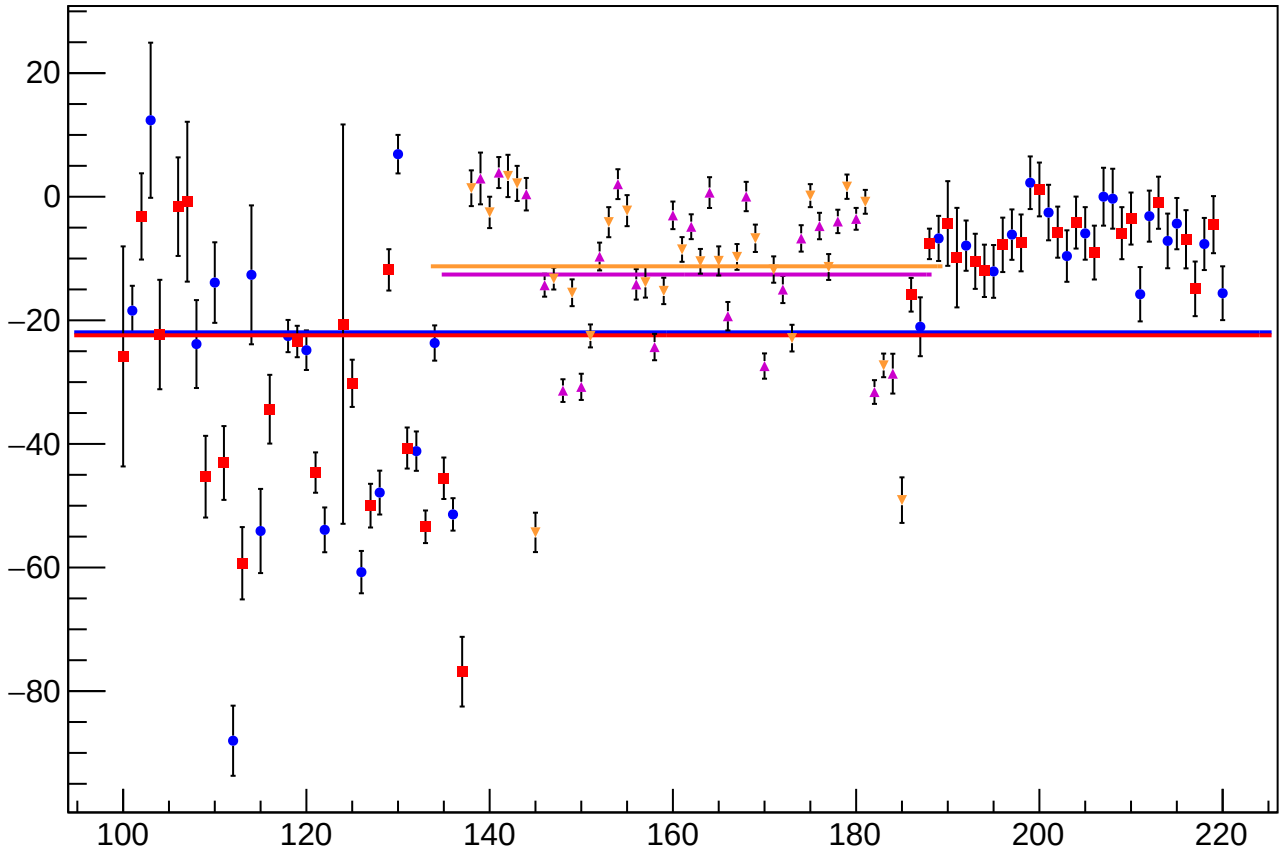
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 35.408+/-0.334 χ^2/NDF: 17871.9/69

In: 41.364+/-0.359 χ^2/NDF:12116.7/55

Out: 39.252+/-0.339 χ^2/NDF:14168.3/61

All: 40.247+/-0.246 χ^2/NDF: 26303.3/117



Right In: -21.943+/-0.698 χ^2/NDF: 907.8/32

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -22.422+/-0.692 χ^2/NDF: 766.0/36

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

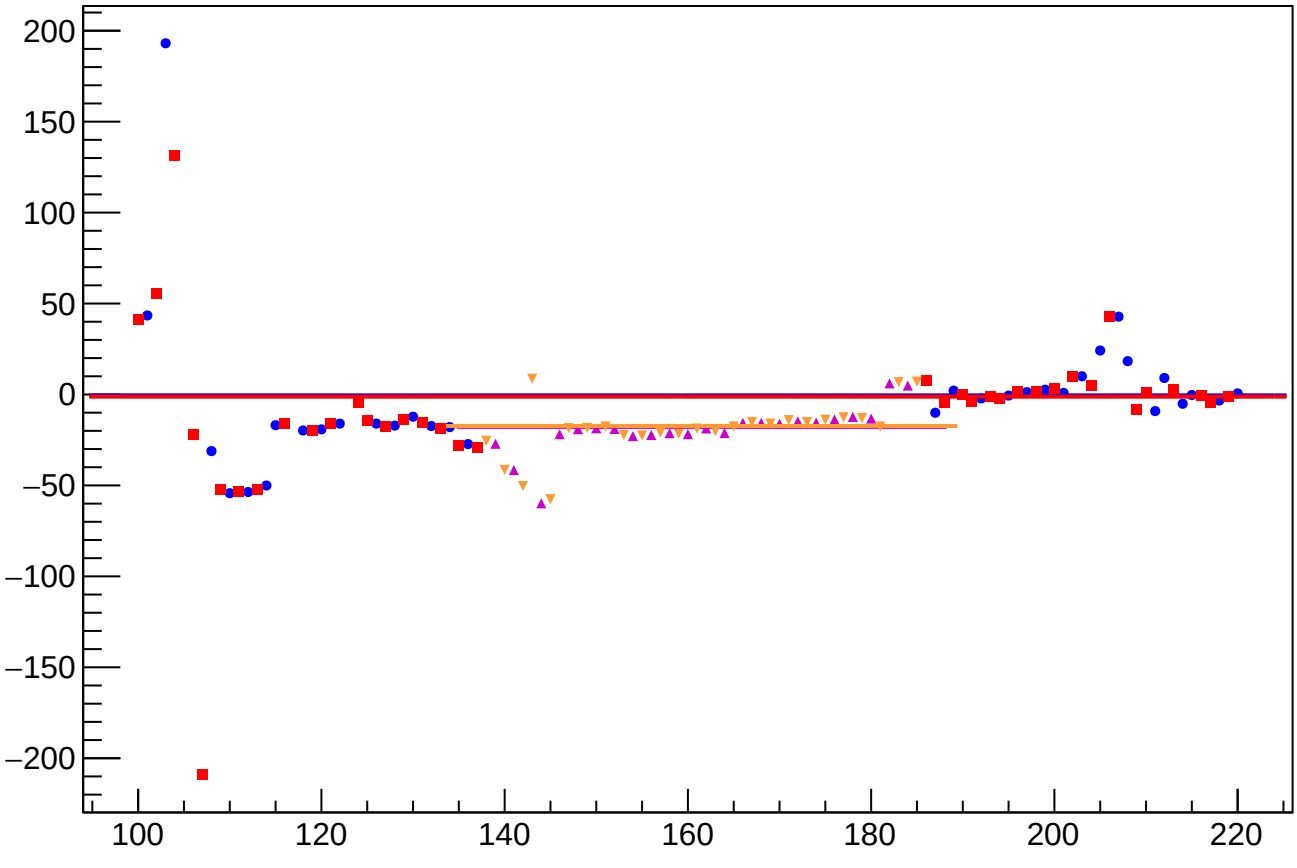
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -22.185+/-0.491 χ^2/NDF: 1674.0/69

In: -15.414+/-0.383 χ^2/NDF:1705.2/55

Out: -14.521+/-0.374 χ^2/NDF:1593.2/61

All: -14.957+/-0.268 χ^2/NDF: 3301.1/117



Right In: -0.486+/-0.033 χ^2/NDF: 648225.1/32

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.213+/-0.033 χ^2/NDF: 571817.9/36

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

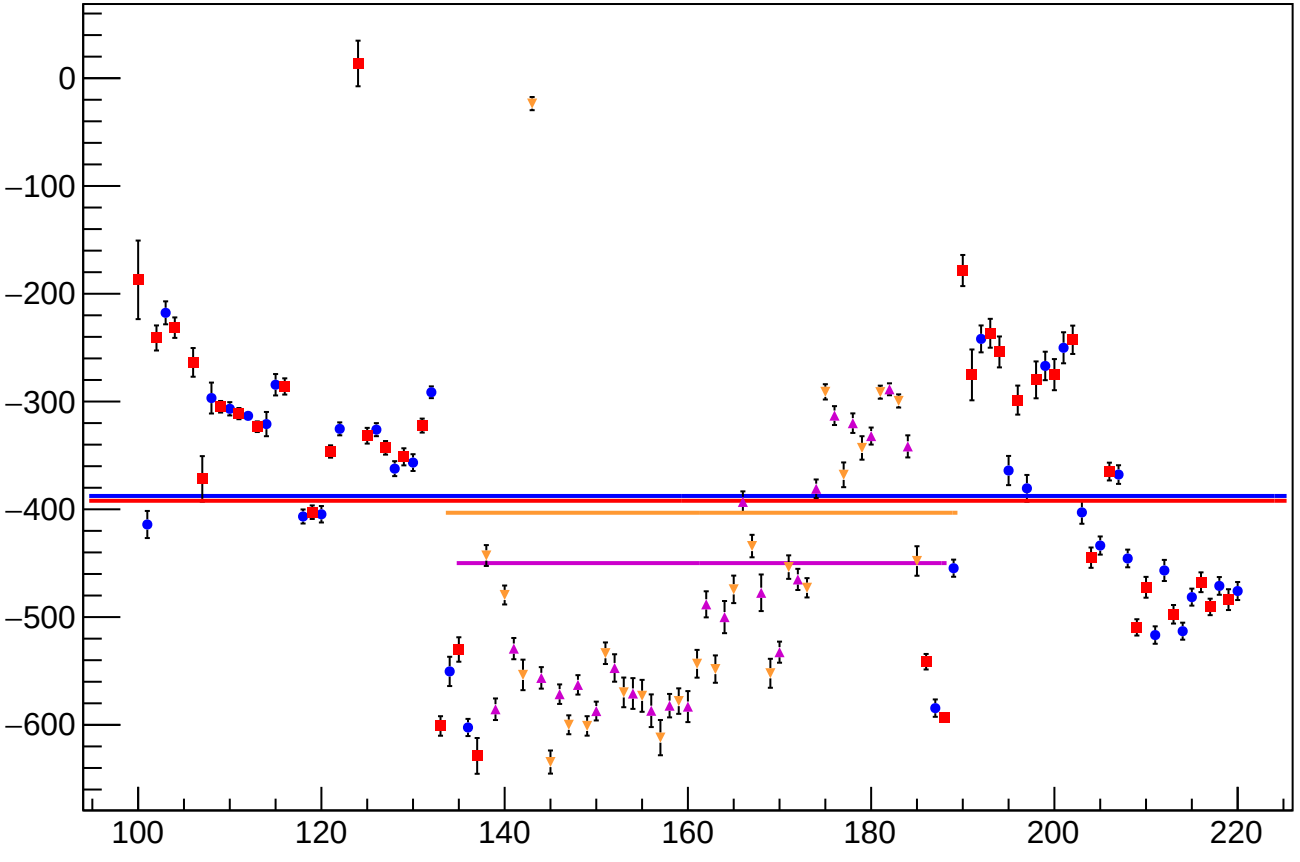
Right: -0.853+/-0.023 χ^2/NDF: 1220285.7/69

In: -13.110+/-0.017 χ^2/NDF:1114446.3/55

Out: -12.979+/-0.017 χ^2/NDF:1095543.0/61

All: -13.043+/-0.012 χ^2/NDF: 2210018.6/117

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -387.607+/-1.416 χ^2/NDF: 4297.4/32

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -392.074+/-1.360 χ^2/NDF: 7269.2/36

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

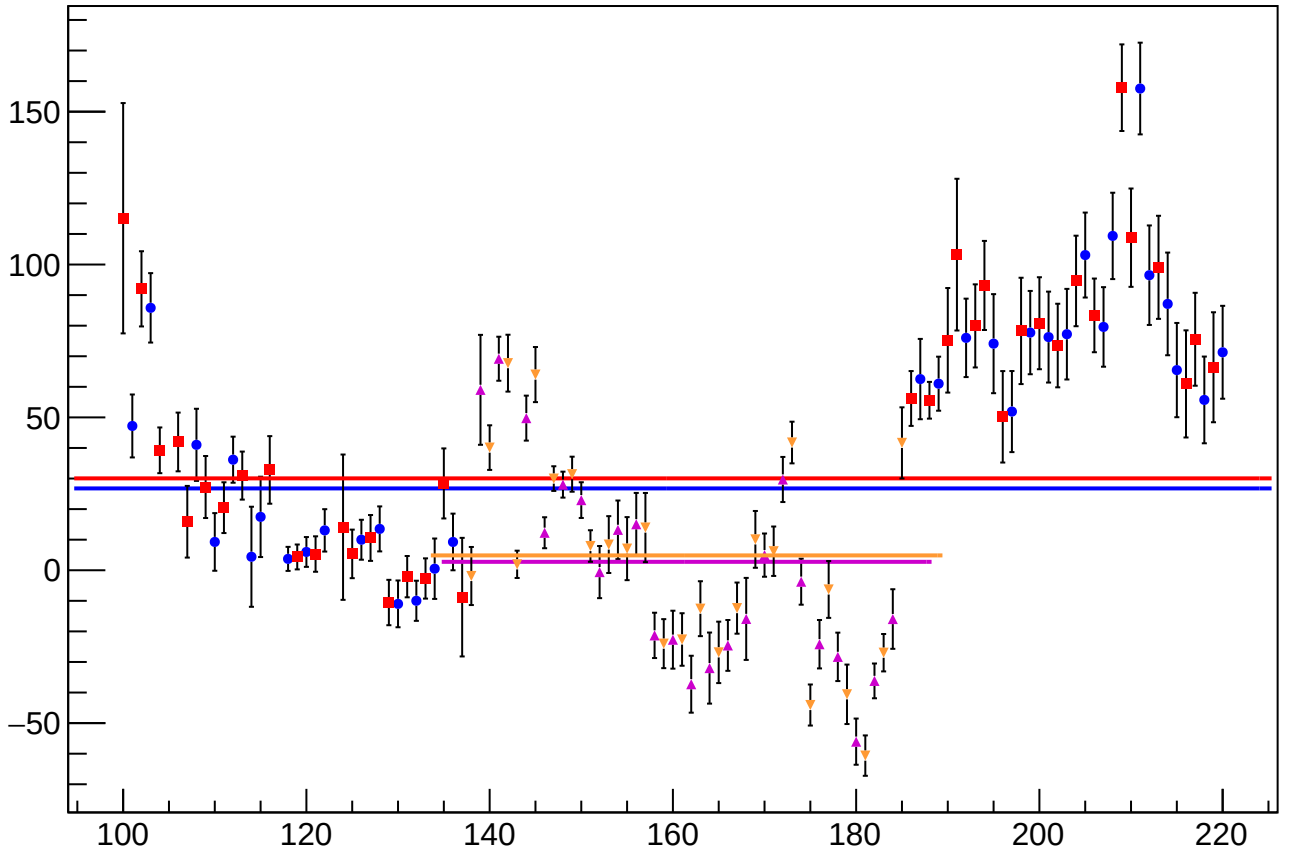
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -389.930+/-0.981 χ^2/NDF: 11571.7/69

In: -407.823+/-1.164 χ^2/NDF:8144.4/55

Out: -395.771+/-1.111 χ^2/NDF:15041.7/61

All: -401.520+/-0.804 χ^2/NDF: 23242.2/117



Right In: 26.767+/-1.613 χ^2/NDF: 465.7/32

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 30.053+/-1.585 χ^2/NDF: 475.1/36

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

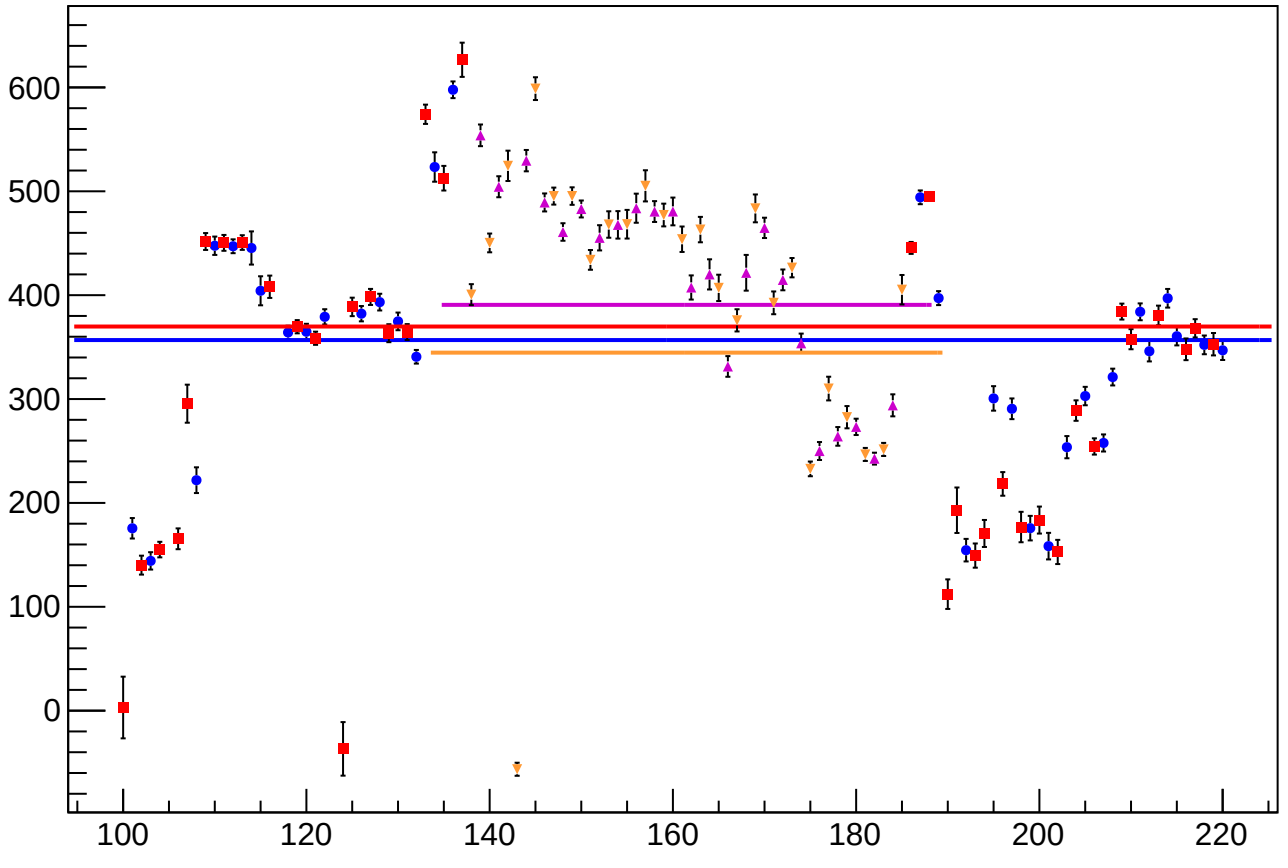
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 28.439+/-1.130 χ^2/NDF: 943.0/69

In: 14.319+/-1.119 χ^2/NDF:980.3/55

Out: 16.312+/-1.069 χ^2/NDF:1070.2/61

All: 15.362+/-0.773 χ^2/NDF: 2052.1/117



Right In: 356.787+/-1.514 χ^2/NDF: 4211.5/32

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 369.816+/-1.422 χ^2/NDF: 7221.5/36

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

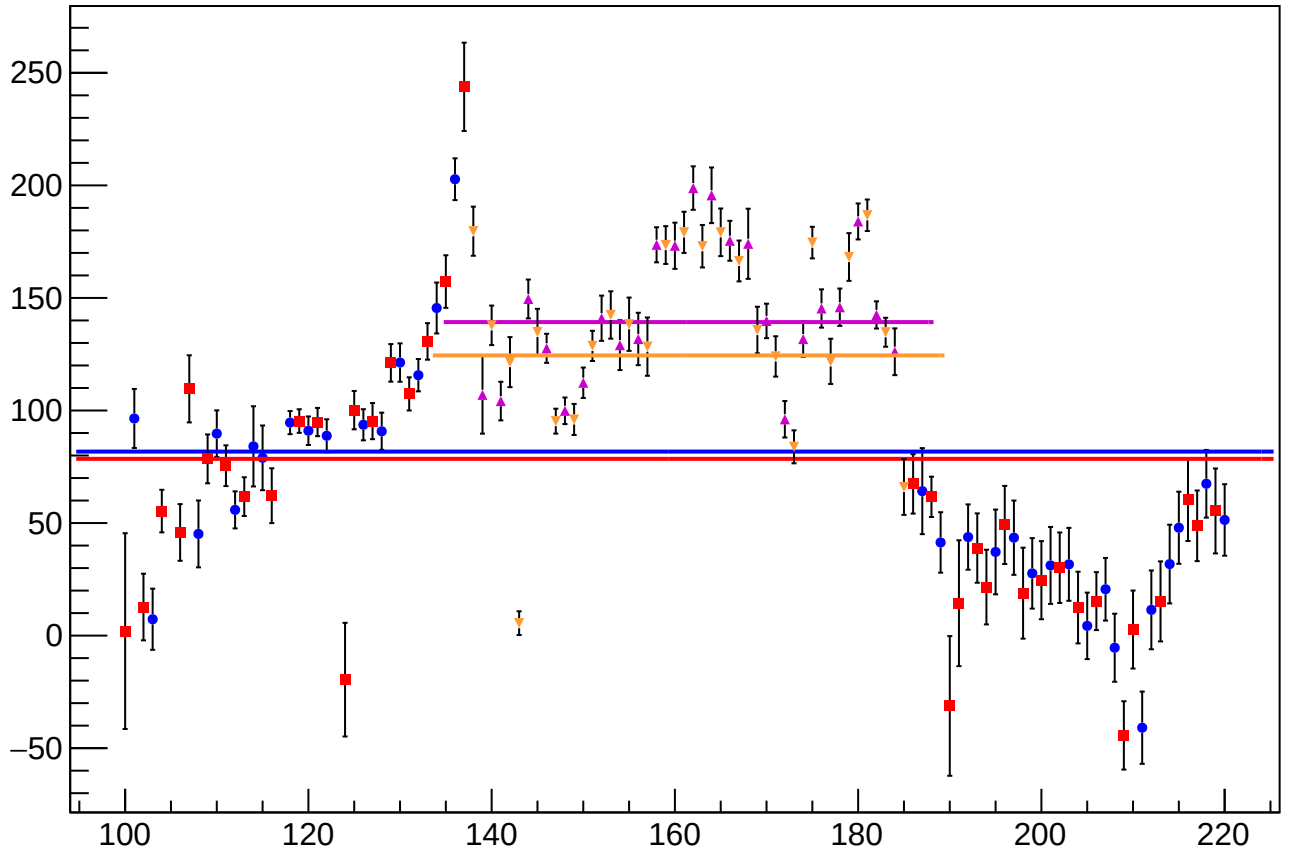
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.708+/-1.037 χ^2/NDF: 11472.3/69

In: 368.902+/-1.214 χ^2/NDF:7063.4/55

Out: 360.933+/-1.144 χ^2/NDF:14610.1/61

All: 364.682+/-0.832 χ^2/NDF: 21696.3/117



Right In: 81.747+/-1.873 χ^2/NDF: 536.8/32

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 78.523+/-1.854 χ^2/NDF: 504.0/36

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

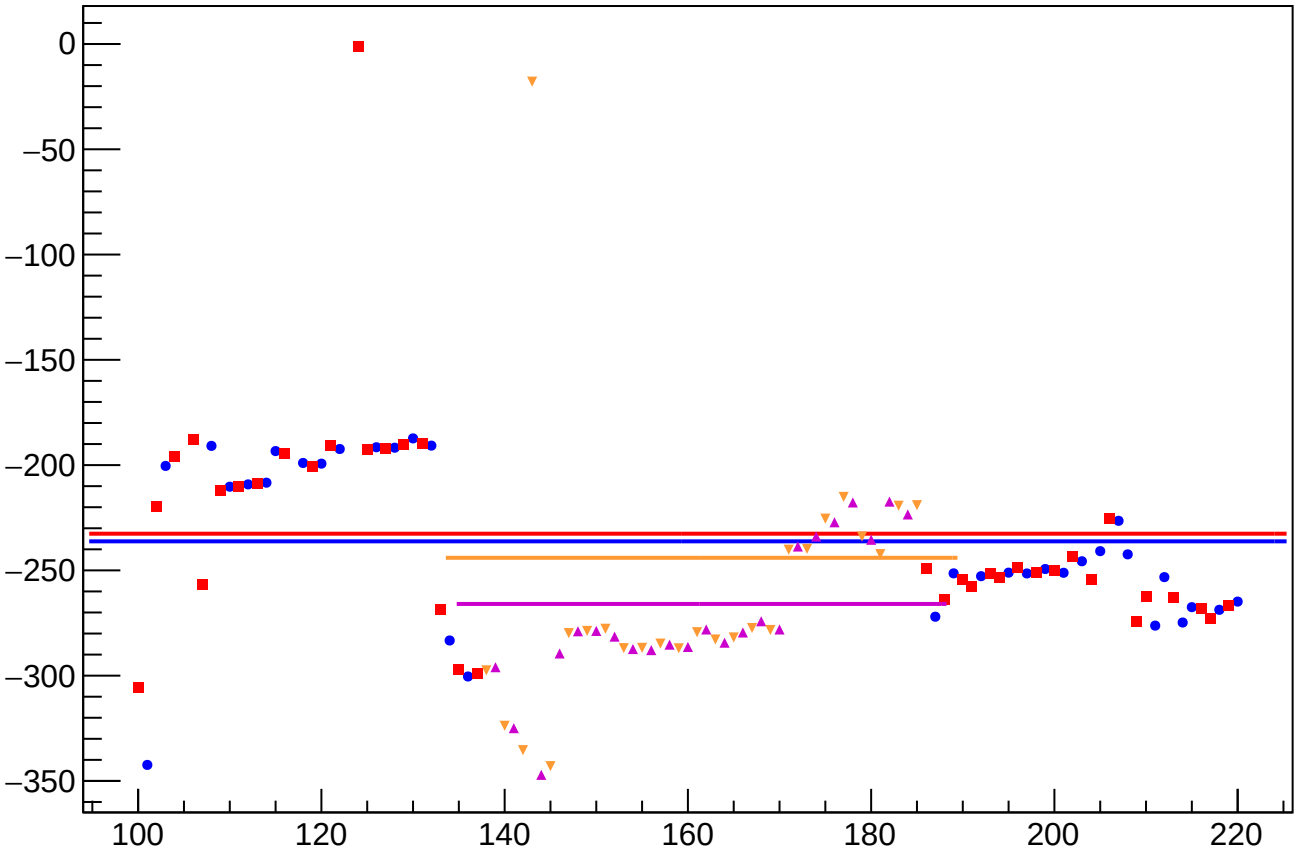
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 80.119+/-1.317 χ^2/NDF: 1042.3/69

In: 112.139+/-1.286 χ^2/NDF:1296.3/55

Out: 103.996+/-1.237 χ^2/NDF:1782.1/61

All: 107.911+/-0.892 χ^2/NDF: 3099.2/117



Right In: -236.211+/-0.102 χ^2/NDF: 145520.1/32

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -232.576+/-0.099 χ^2/NDF: 122112.5/36

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

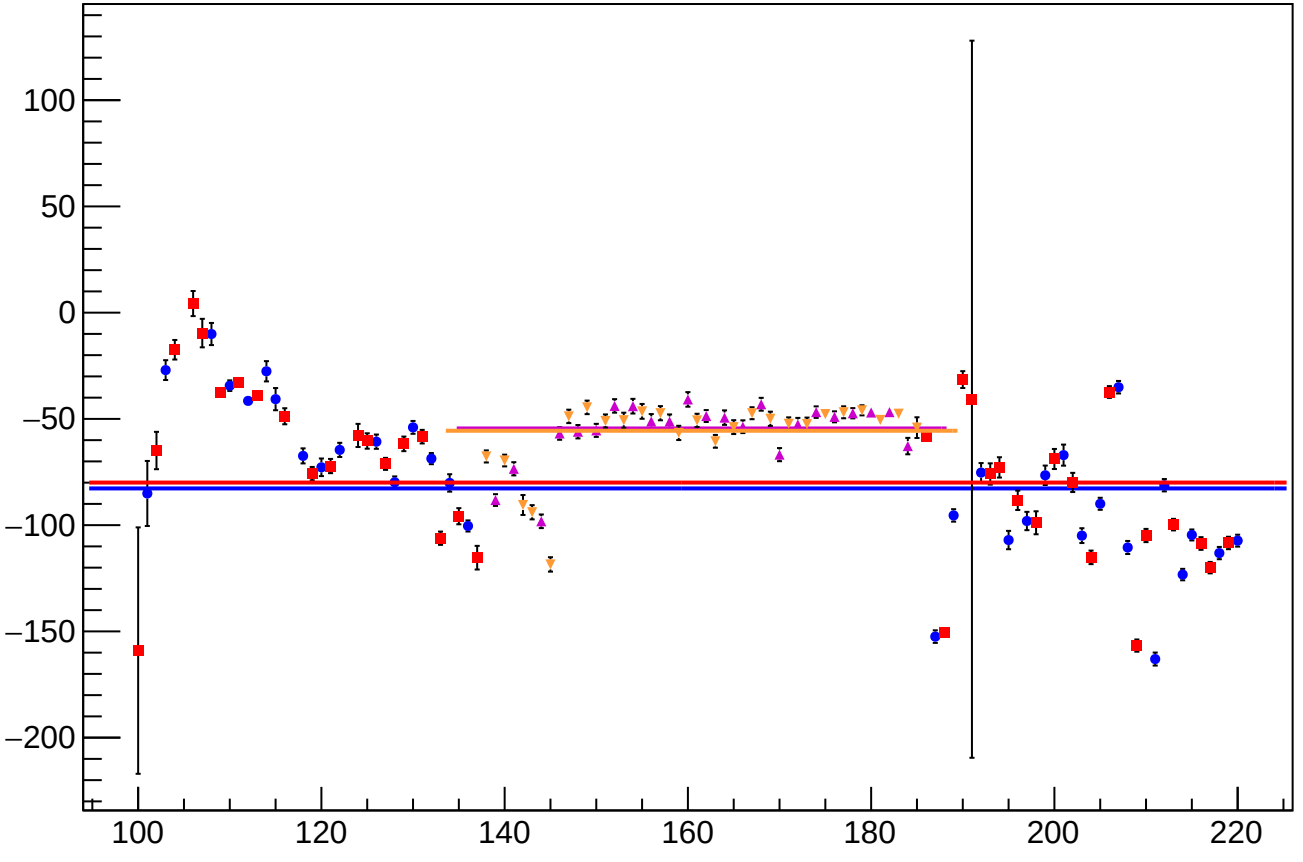
Right: -234.338+/-0.071 χ^2/NDF: 268285.6/69

In: -254.543+/-0.063 χ^2/NDF:367779.7/55

Out: -239.685+/-0.061 χ^2/NDF:1128368.7/61

All: -246.843+/-0.044 χ^2/NDF: 1524778.6/11

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -82.724+/-0.566 χ^2/NDF: 3741.3/32

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -79.964+/-0.532 χ^2/NDF: 5588.2/36

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

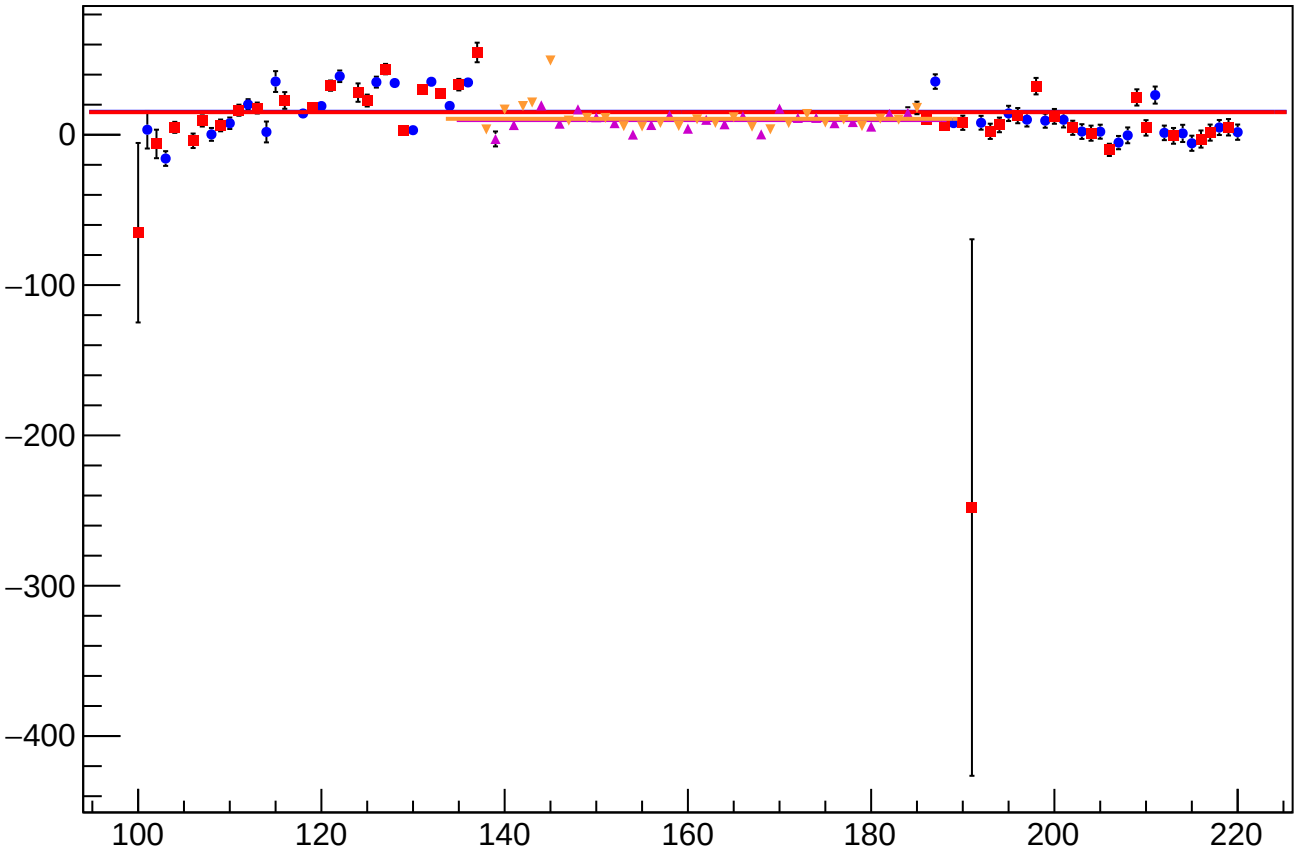
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -81.258+/-0.388 χ^2/NDF: 9342.1/69

In: -69.571+/-0.414 χ^2/NDF:5399.1/55

Out: -69.024+/-0.395 χ^2/NDF:7216.8/61

All: -69.285+/-0.286 χ^2/NDF: 12616.8/117



Right In: 15.285+/-0.693 χ^2/NDF: 398.1/32

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.022+/-0.649 χ^2/NDF: 399.0/36

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

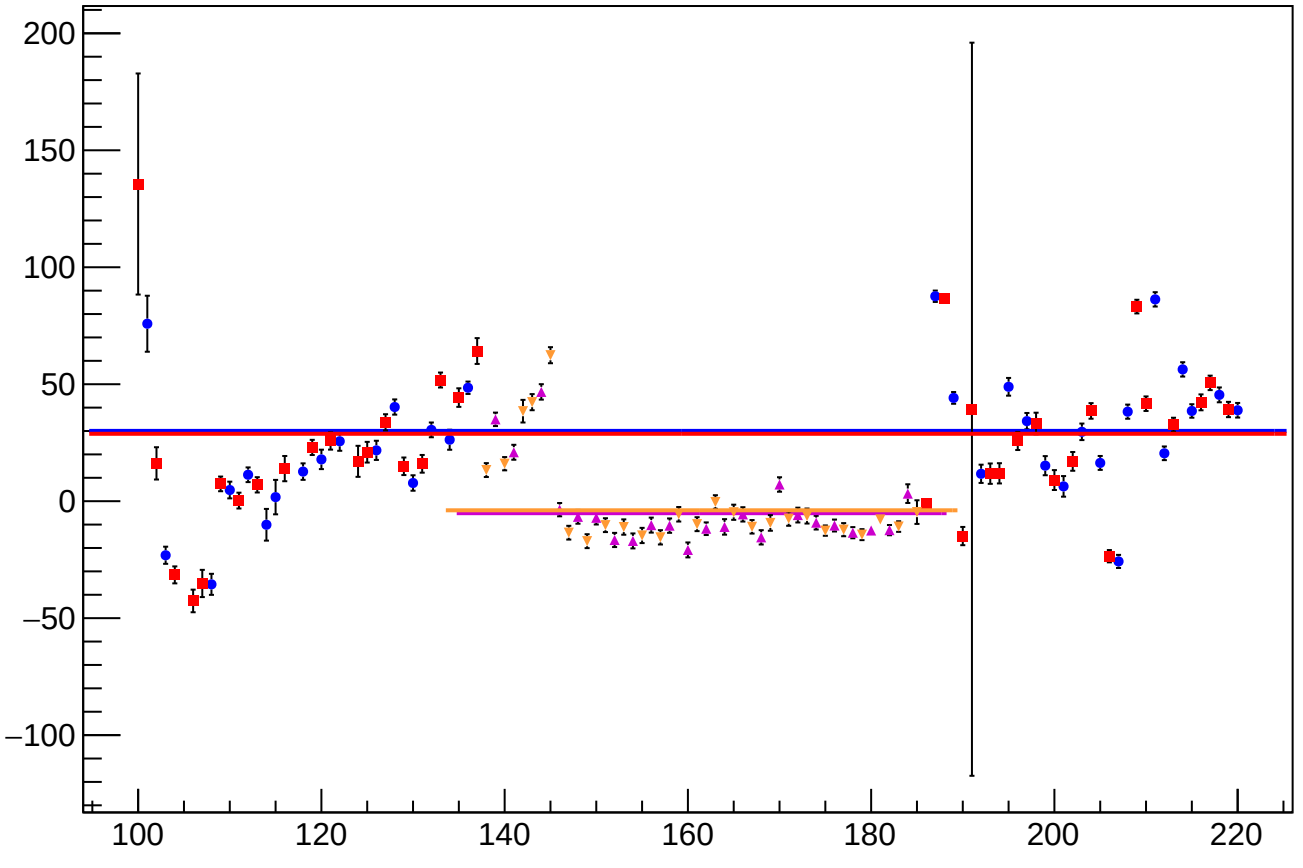
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 15.145+/-0.474 χ^2/NDF: 797.2/69

In: 11.488+/-0.387 χ^2/NDF:562.8/55

Out: 12.036+/-0.369 χ^2/NDF:685.5/61

All: 11.775+/-0.267 χ^2/NDF: 1249.3/117



Right In: 30.050+/-0.594 χ^2/NDF: 2285.3/32

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 28.814+/-0.541 χ^2/NDF: 4162.7/36

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

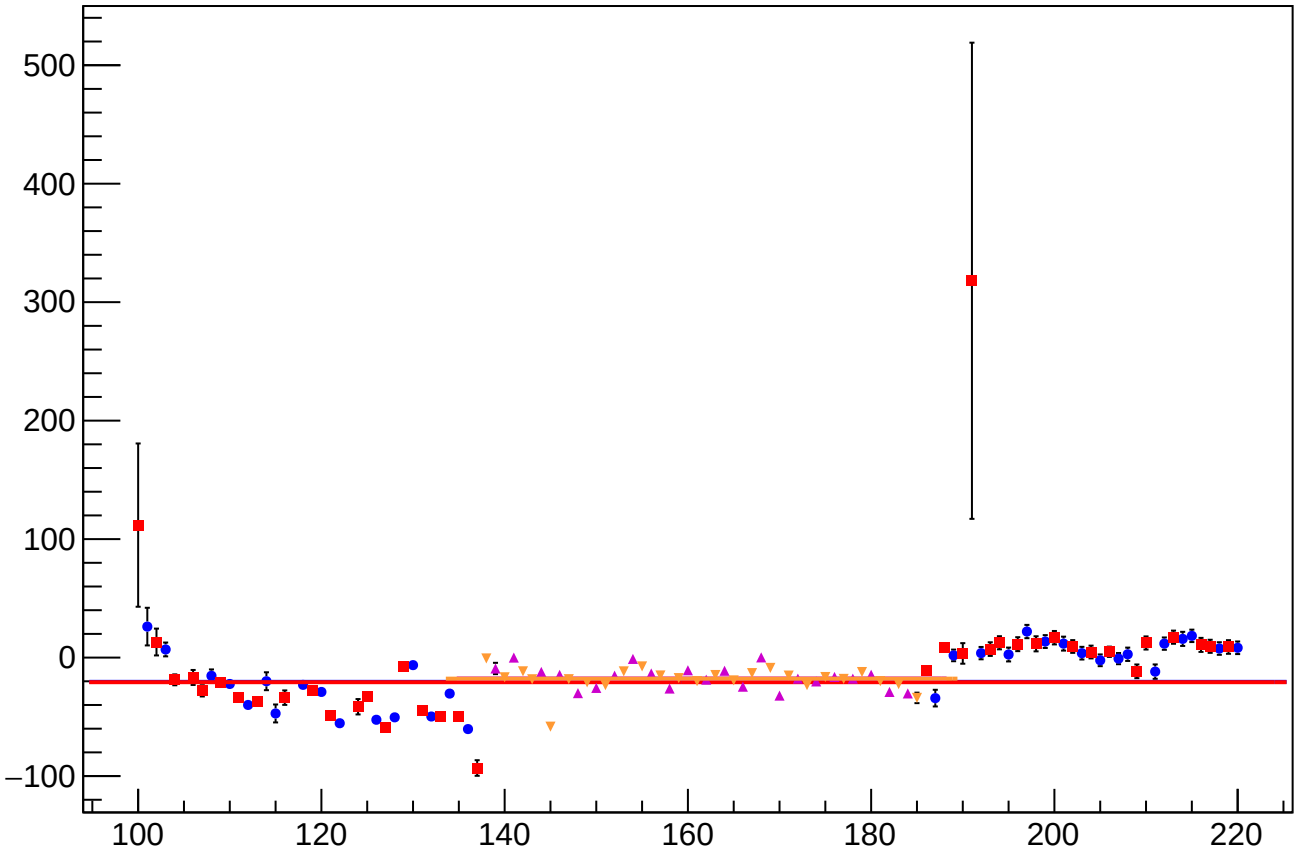
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 29.374+/-0.400 χ^2/NDF: 6450.3/69

In: 12.619+/-0.422 χ^2/NDF:4670.9/55

Out: 13.725+/-0.397 χ^2/NDF:6696.5/61

All: 13.205+/-0.289 χ^2/NDF: 11371.1/117



Right In: -20.467+/-0.792 χ^2/NDF: 1005.0/32

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -20.762+/-0.765 χ^2/NDF: 1085.0/36

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

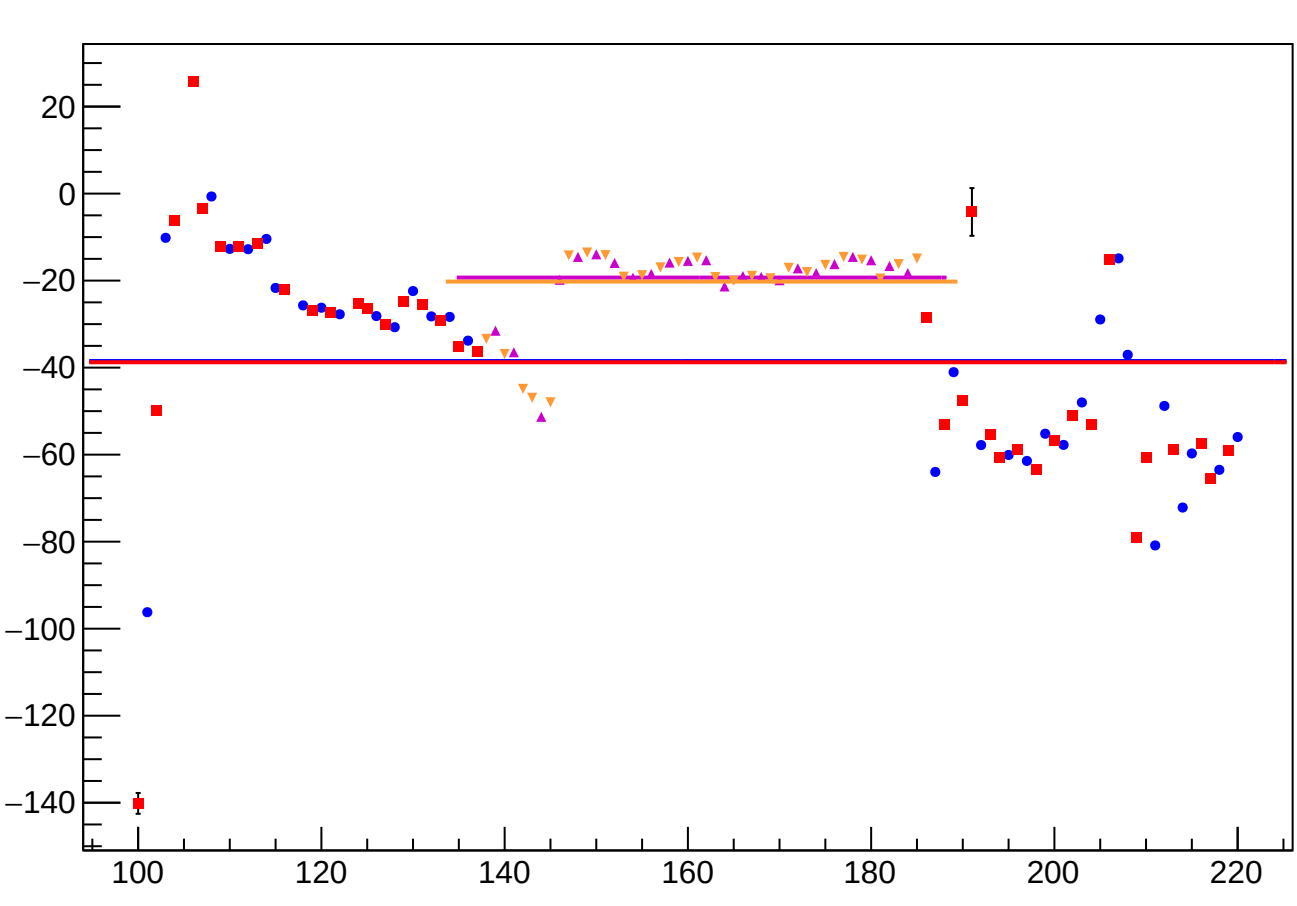
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -20.619+/-0.550 χ^2/NDF: 2090.1/69

In: -18.507+/-0.438 χ^2/NDF:1299.7/55

Out: -18.692+/-0.424 χ^2/NDF:1347.1/61

All: -18.602+/-0.305 χ^2/NDF: 2646.9/117



Right In: -38.487+/-0.039 χ^2/NDF: 268723.7/32

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -38.766+/-0.038 χ^2/NDF: 344845.7/36

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

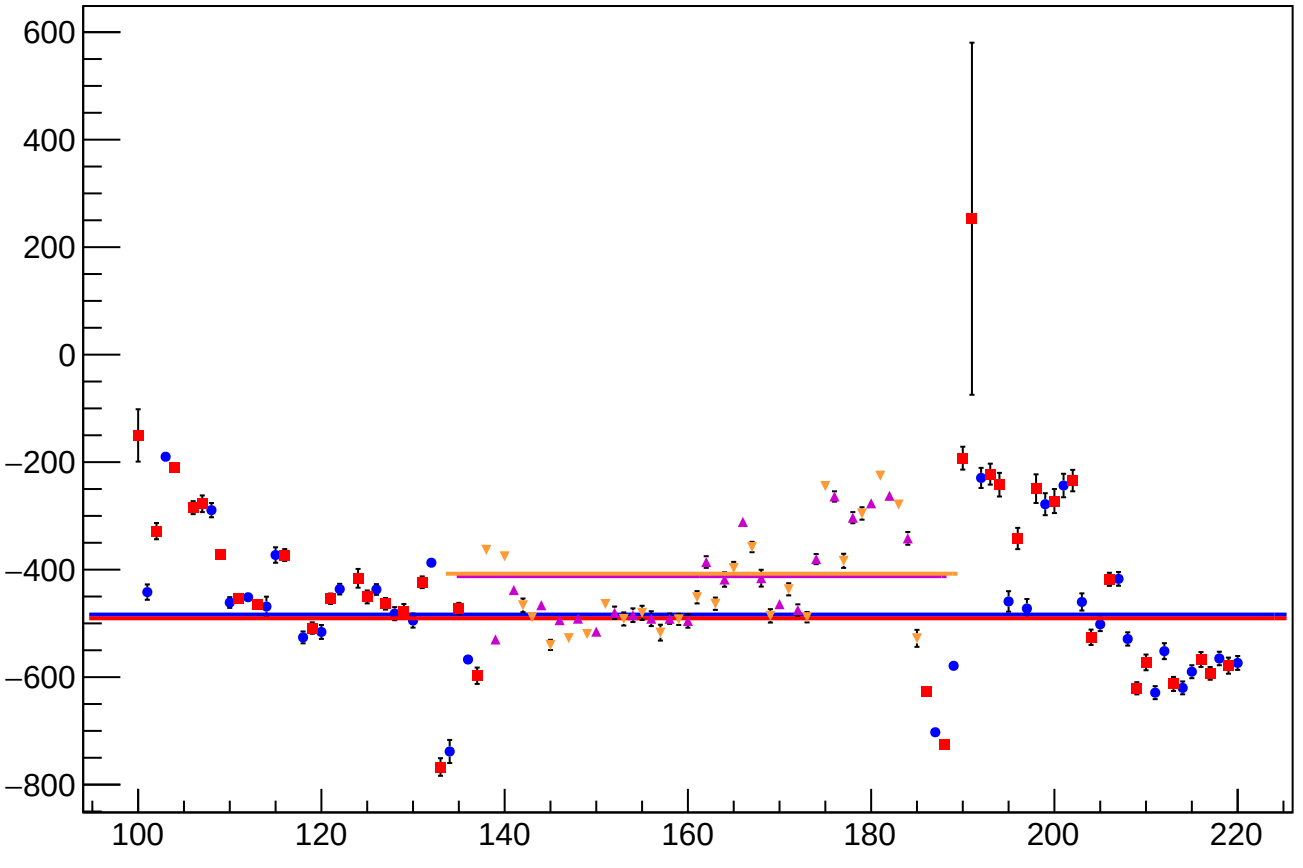
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -38.627+/-0.027 χ^2/NDF: 613595.6/69

In: -24.409+/-0.020 χ^2/NDF:542484.0/55

Out: -25.086+/-0.020 χ^2/NDF:664625.0/61

All: -24.753+/-0.014 χ^2/NDF: 1207693.6/117



Right In: -483.597+/-2.060 χ^2/NDF: 3402.3/32

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -490.556+/-1.897 χ^2/NDF: 6556.0/36

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

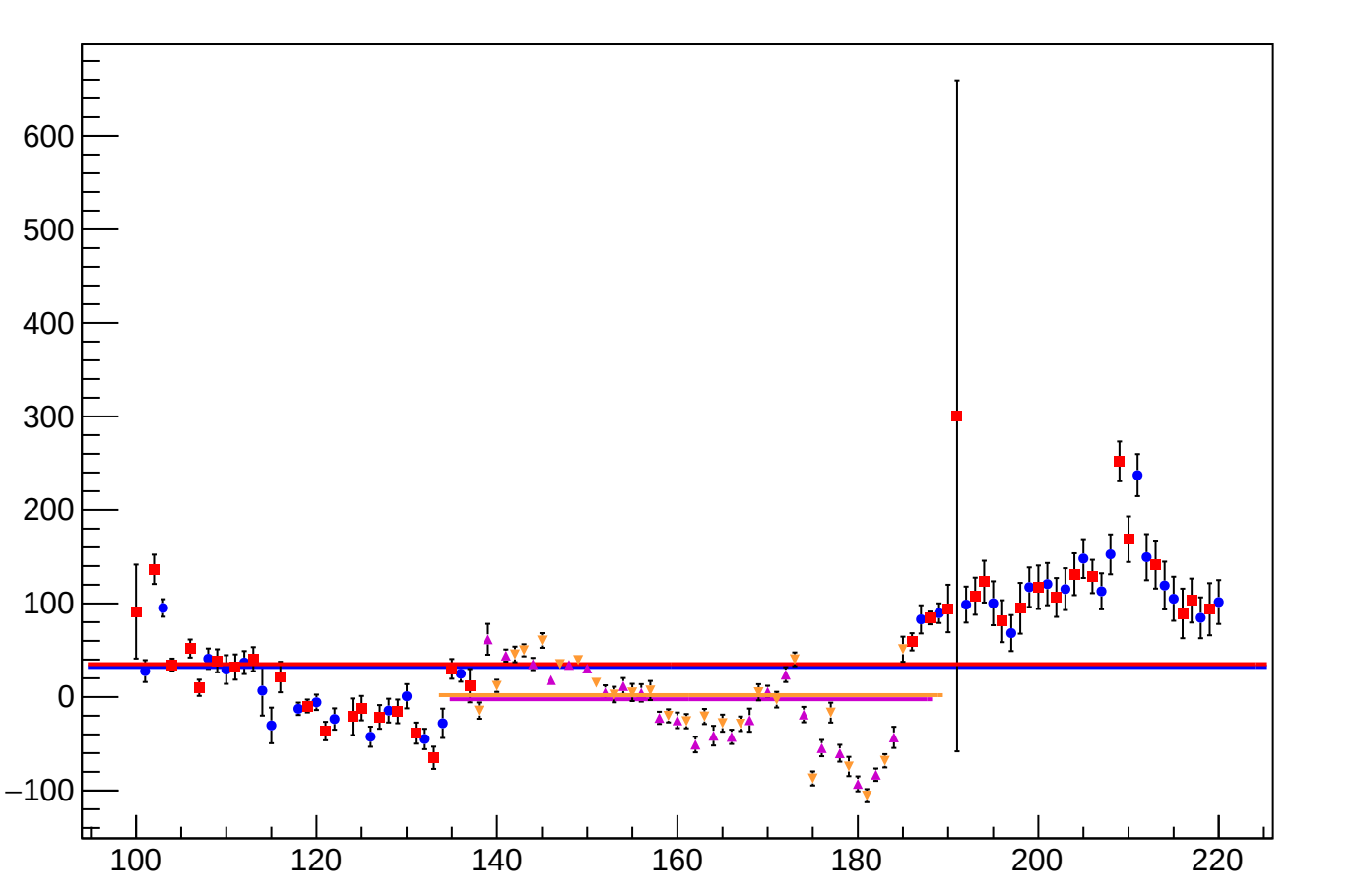
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -487.363+/-1.395 χ^2/NDF: 9964.5/69

In: -446.944+/-1.438 χ^2/NDF:6202.3/55

Out: -450.227+/-1.360 χ^2/NDF:10359.1/61

All: -448.677+/-0.988 χ^2/NDF: 16564.1/117



Right In: 32.122+/-2.361 χ^2/NDF: 614.6/32

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 35.132+/-2.157 χ^2/NDF: 664.1/36

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

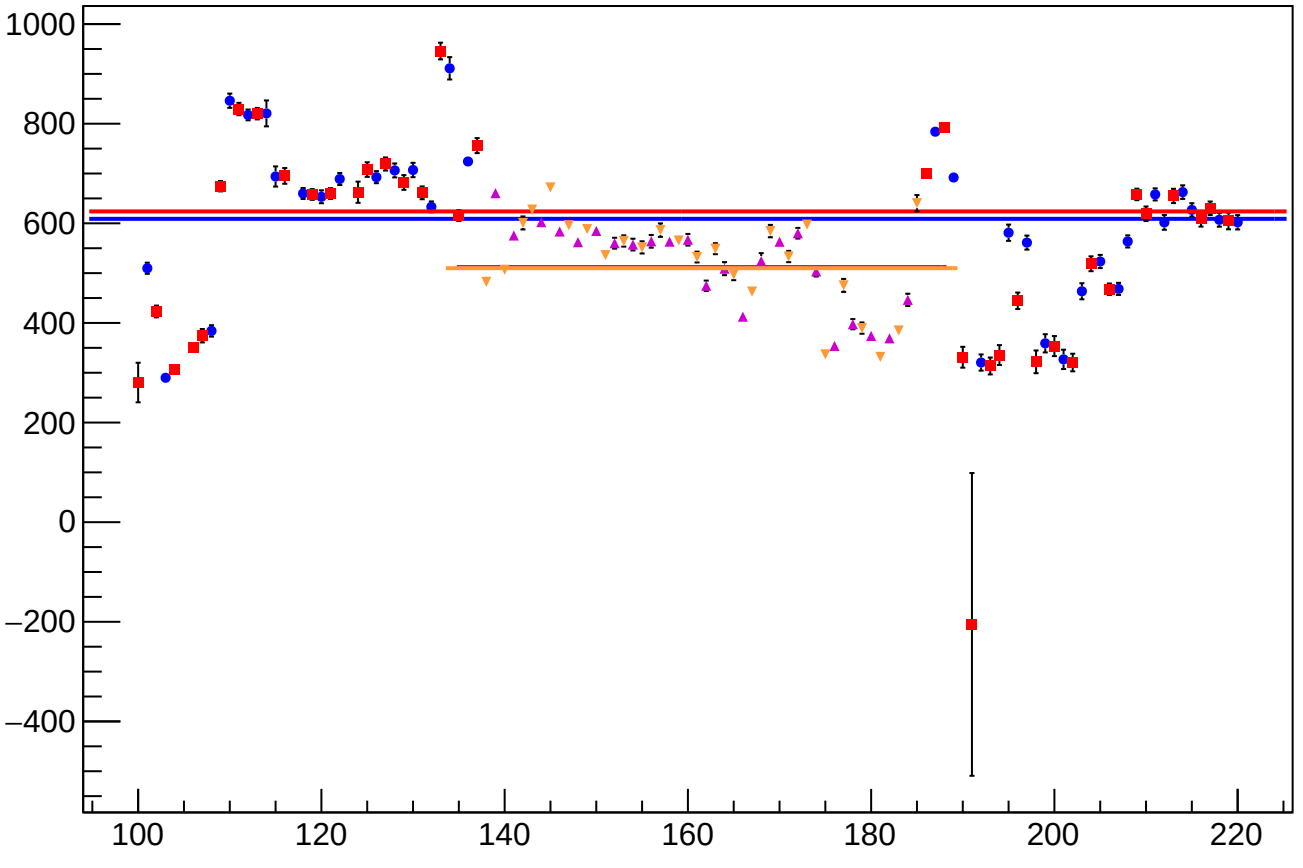
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 33.763+/-1.592 χ^2/NDF: 1279.6/69

In: 7.386+/-1.255 χ^2/NDF:1501.0/55

Out: 12.103+/-1.189 χ^2/NDF:1738.7/61

All: 9.872+/-0.863 χ^2/NDF: 3247.1/117



Right In: 609.011+/-2.100 χ^2/NDF: 5562.8/32

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 623.913+/-1.873 χ^2/NDF: 8822.8/36

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

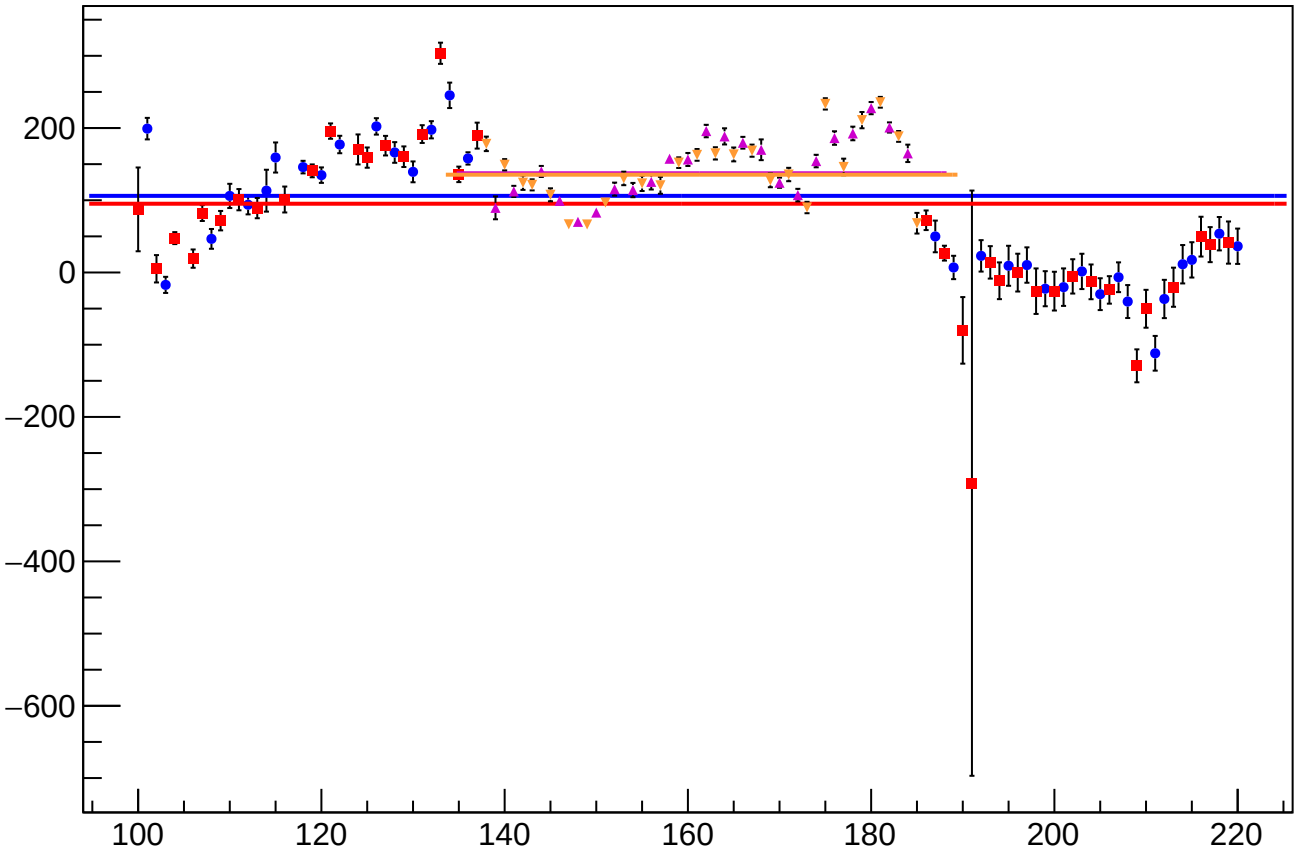
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 617.309+/-1.398 χ^2/NDF: 14413.6/69

In: 557.891+/-1.442 χ^2/NDF:8771.8/55

Out: 568.777+/-1.346 χ^2/NDF:13276.5/61

All: 563.708+/-0.984 χ^2/NDF: 22078.7/117



Right In: 106.098+/-2.746 χ^2/NDF: 918.8/32

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 95.194+/-2.576 χ^2/NDF: 983.0/36

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

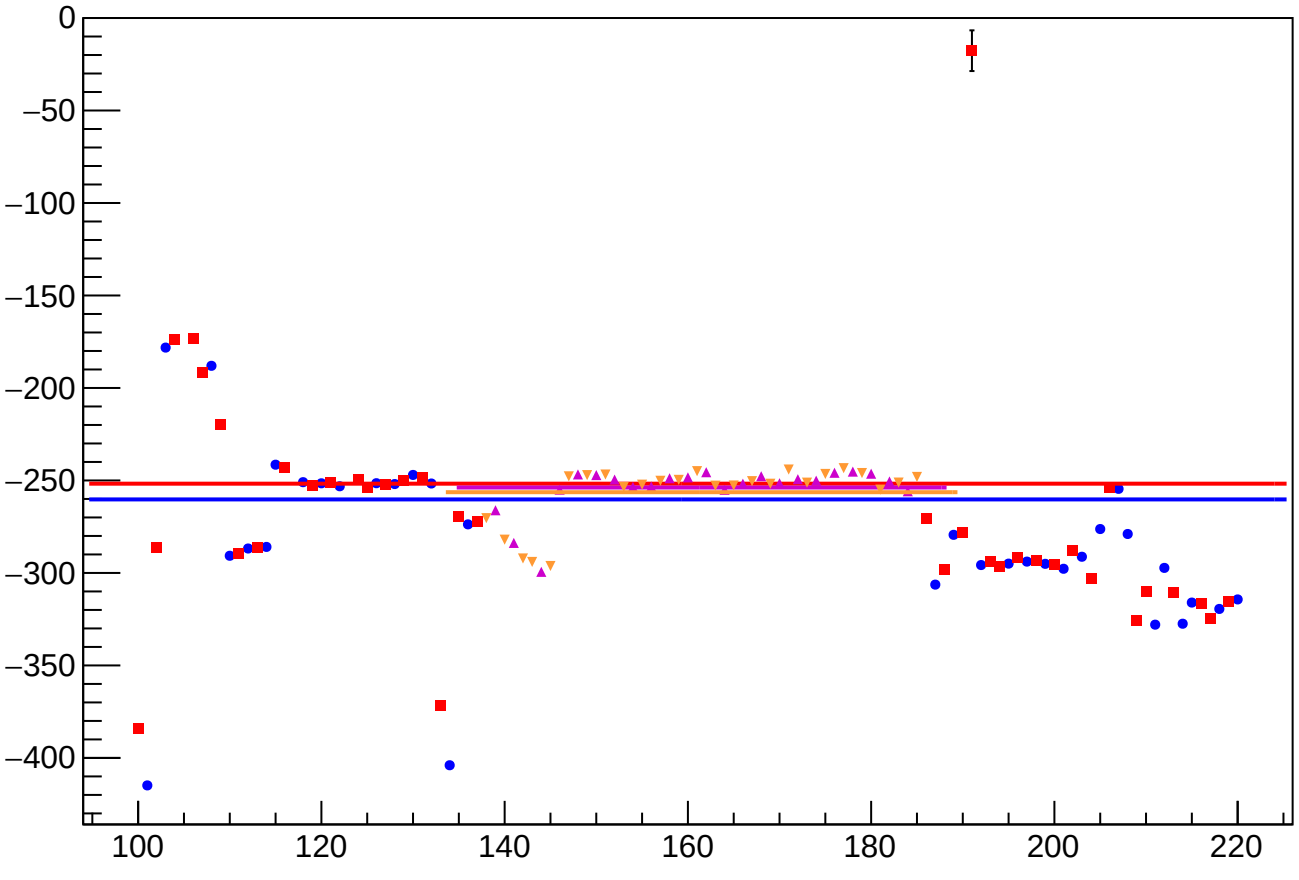
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 100.299+/-1.879 χ^2/NDF: 1910.2/69

In: 128.691+/-1.447 χ^2/NDF:1718.5/55

Out: 123.723+/-1.389 χ^2/NDF:2079.0/61

All: 126.105+/-1.002 χ^2/NDF: 3803.7/117



Right In: -260.251+/-0.132 χ^2/NDF: 211191.2/32

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -251.741+/-0.127 χ^2/NDF: 163993.1/36

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

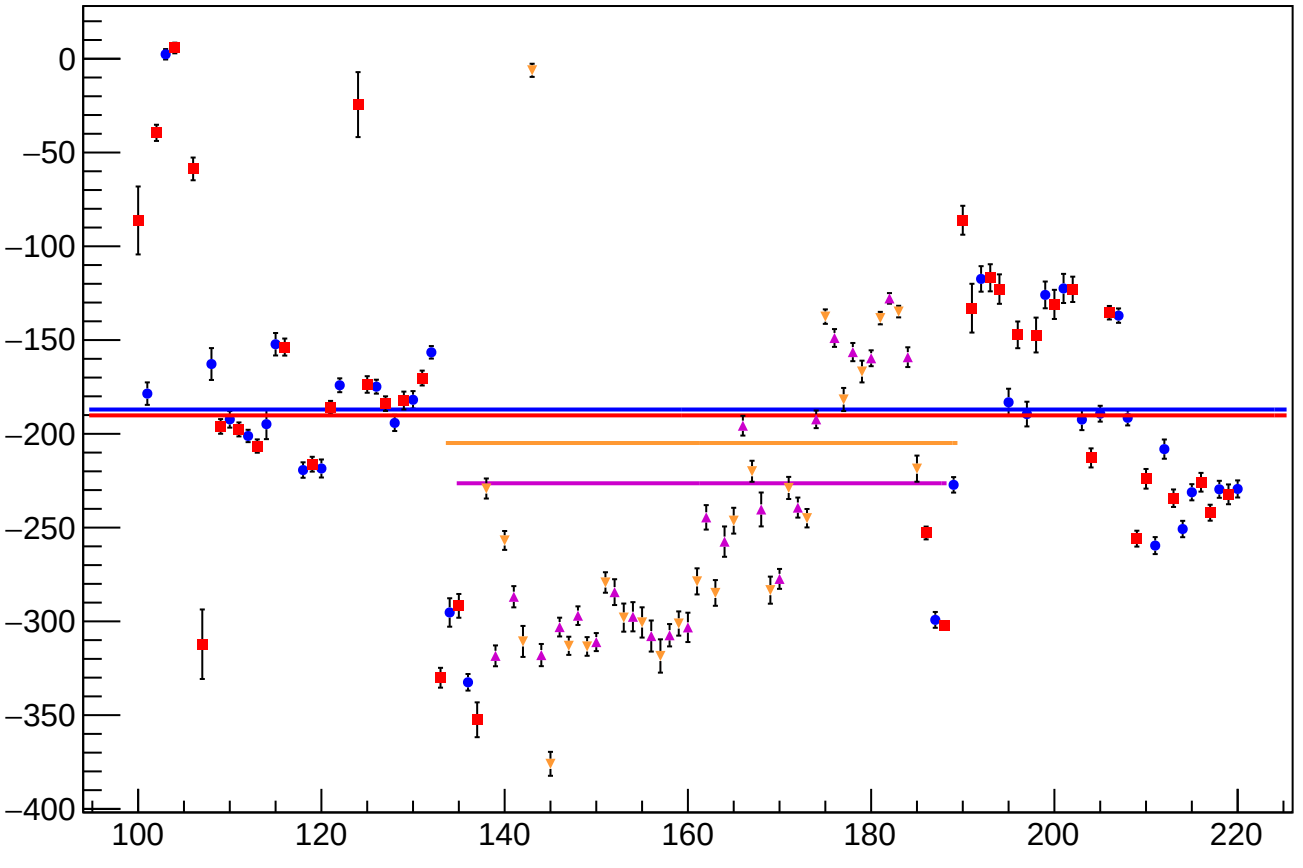
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -255.854+/-0.092 χ^2/NDF: 377338.7/69

In: -255.481+/-0.067 χ^2/NDF:237034.7/55

Out: -255.113+/-0.066 χ^2/NDF:204462.0/61

All: -255.294+/-0.047 χ^2/NDF: 441512.0/117



Right In: -187.031+/-0.794 χ^2/NDF: 8197.4/32

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -190.169+/-0.764 χ^2/NDF: 12308.2/36

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

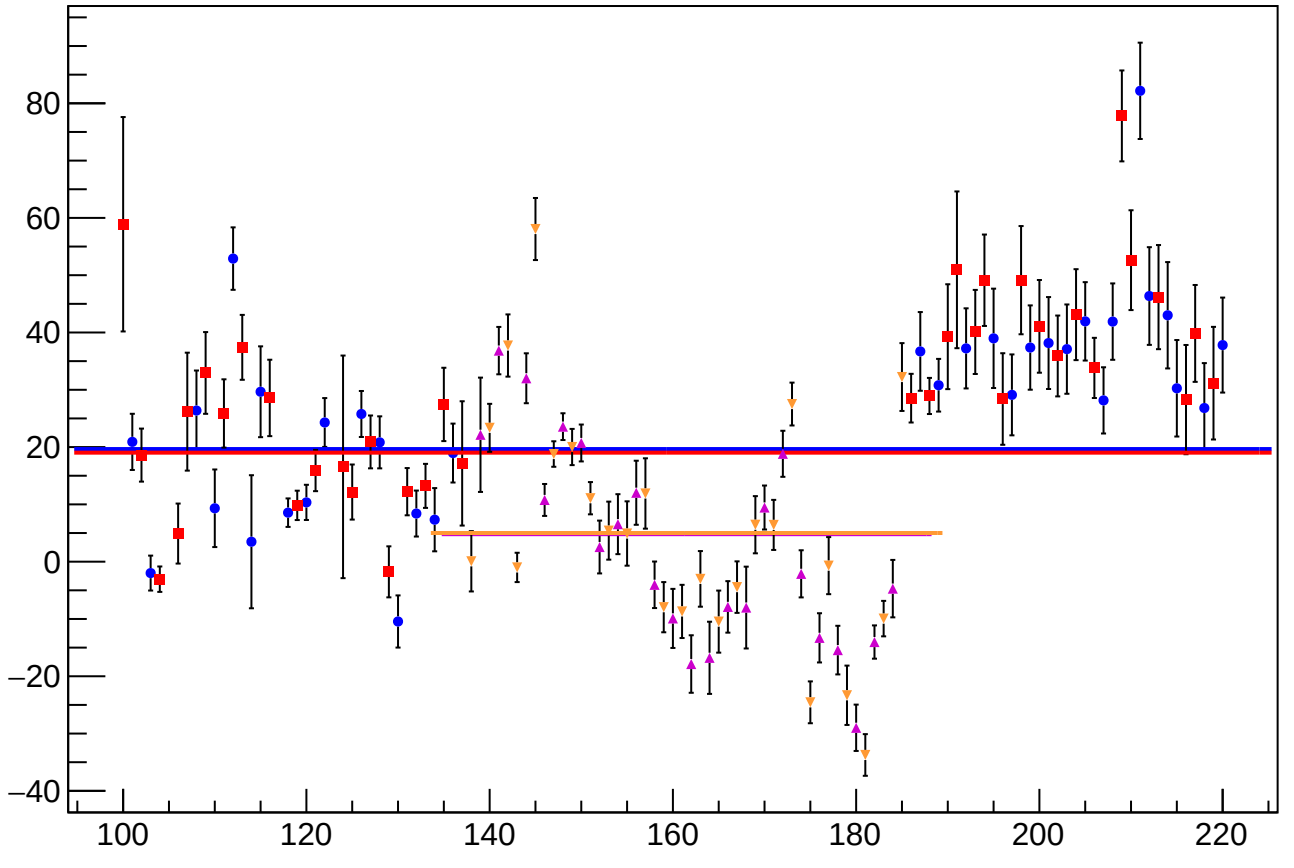
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -188.661+/-0.551 χ^2/NDF: 20513.6/69

In: -200.431+/-0.645 χ^2/NDF:13251.9/55

Out: -195.253+/-0.618 χ^2/NDF:20262.7/61

All: -197.732+/-0.446 χ^2/NDF: 33548.2/117



Right In: 19.657+/-0.915 χ^2/NDF: 327.6/32

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 19.028+/-0.867 χ^2/NDF: 350.3/36

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

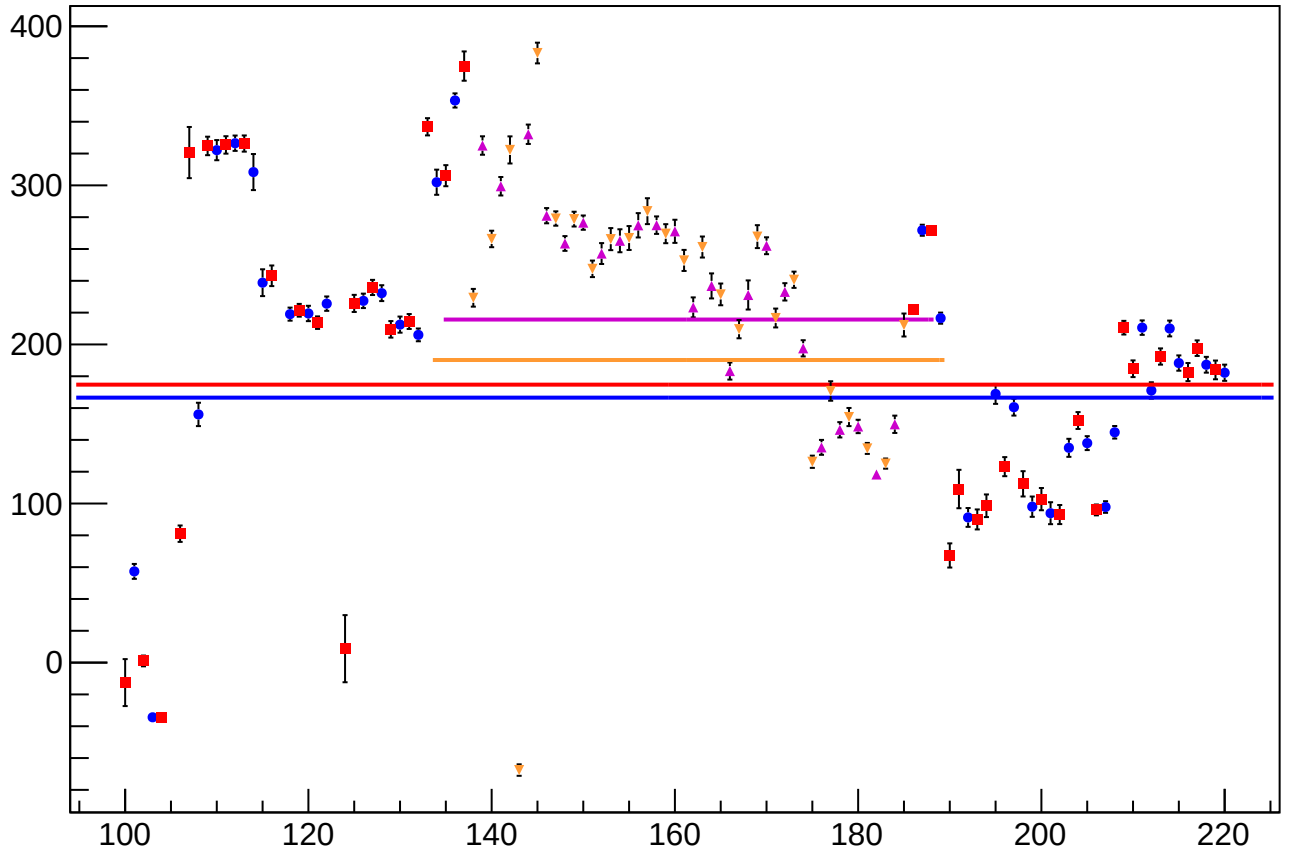
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 19.325+/-0.629 χ^2/NDF: 678.2/69

In: 11.649+/-0.621 χ^2/NDF:896.0/55

Out: 11.398+/-0.585 χ^2/NDF:1041.2/61

All: 11.516+/-0.426 χ^2/NDF: 1937.2/117



Right In: 166.564+/-0.805 χ^2/NDF: 16171.0/32

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 174.727+/-0.753 χ^2/NDF: 21491.8/36

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

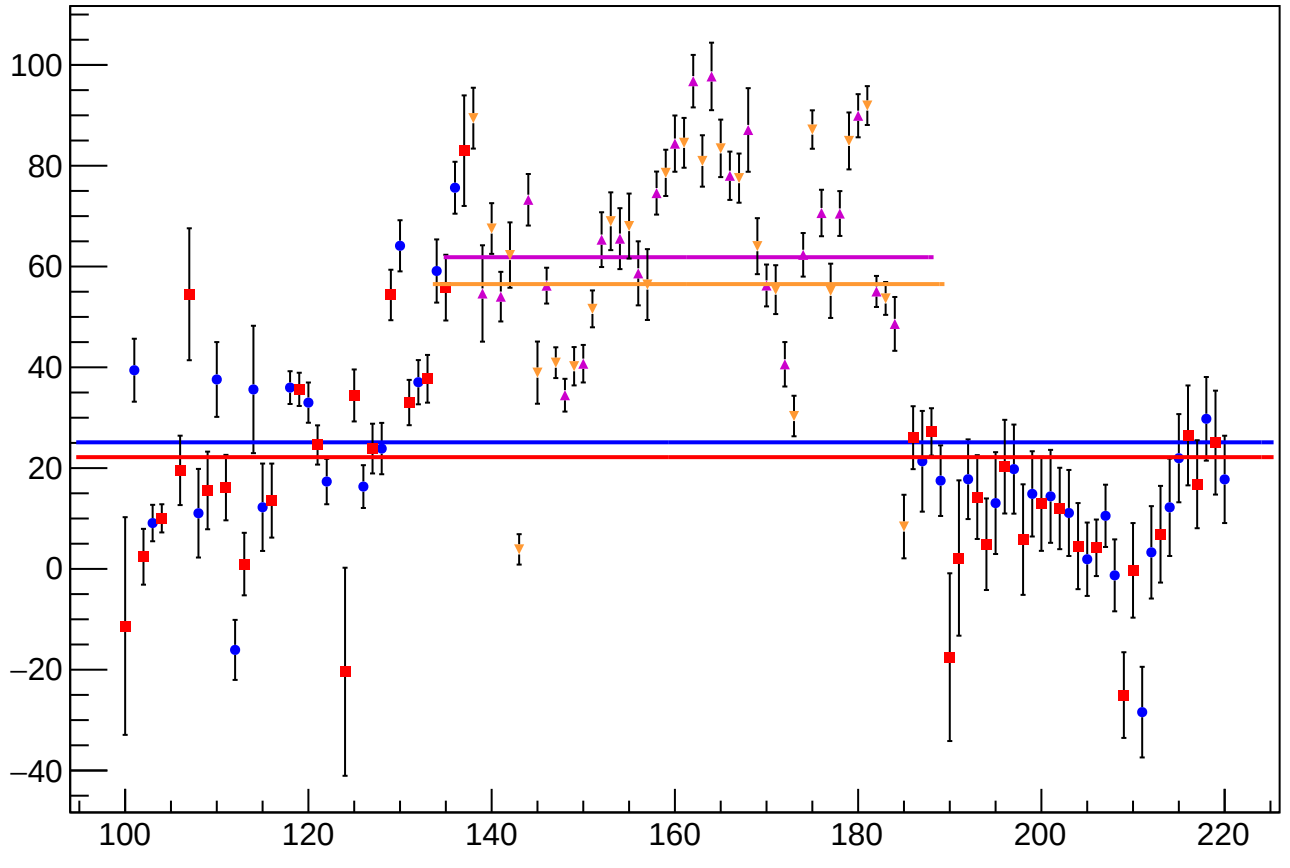
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 170.918+/-0.550 χ^2/NDF: 37717.7/69

In: 183.720+/-0.649 χ^2/NDF:21356.4/55

Out: 179.988+/-0.612 χ^2/NDF:31019.5/61

All: 181.743+/-0.445 χ^2/NDF: 52393.4/117



Right In: 25.118+/-1.063 χ^2/NDF: 378.4/32

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.175+/-1.028 χ^2/NDF: 269.8/36

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

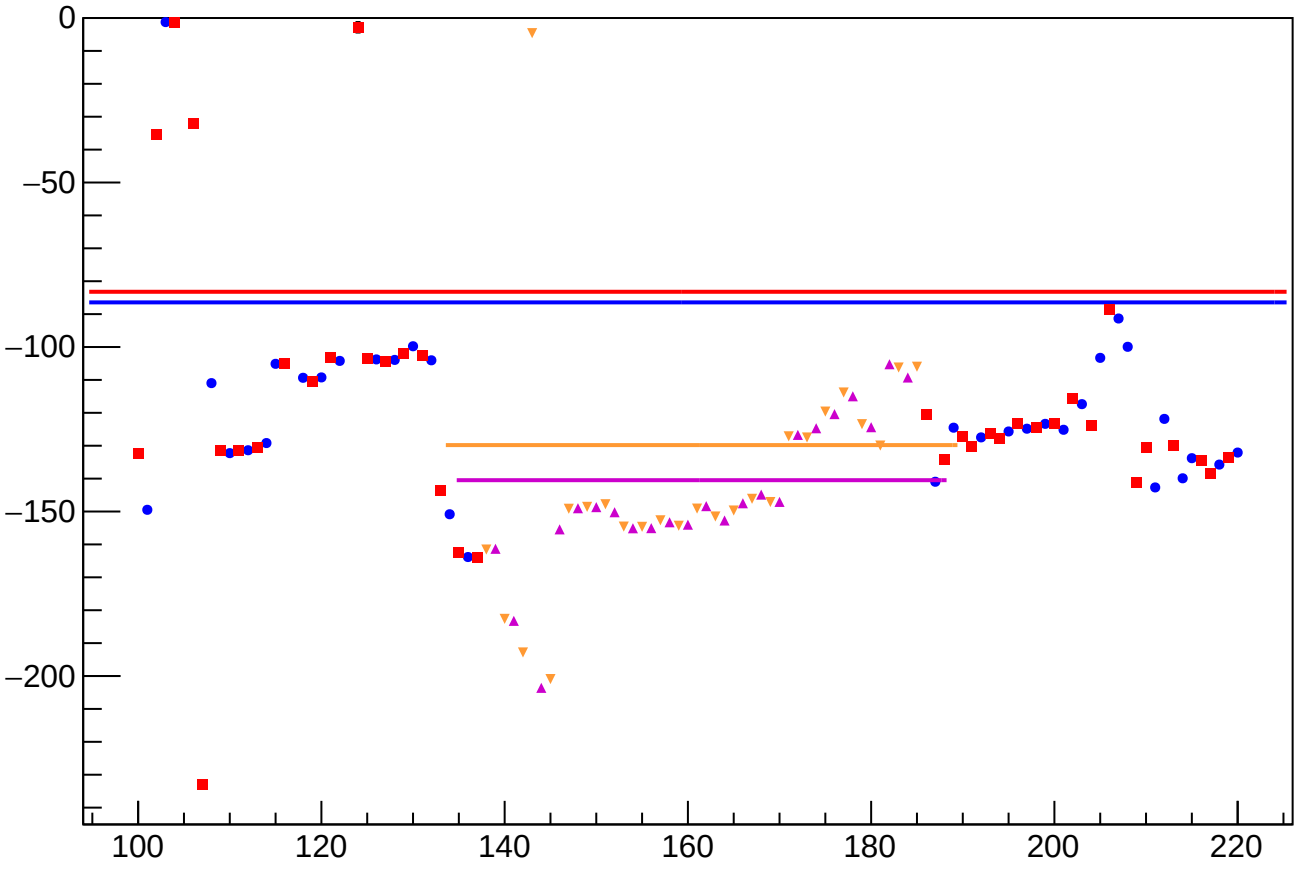
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.597+/-0.739 χ^2/NDF: 652.1/69

In: 45.328+/-0.713 χ^2/NDF:1355.6/55

Out: 41.450+/-0.681 χ^2/NDF:1694.7/61

All: 43.300+/-0.493 χ^2/NDF: 3065.8/117



Right In: -86.434+/-0.050 χ^2/NDF: 1369651.9/32

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -83.209+/-0.048 χ^2/NDF: 1329965.1/36

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

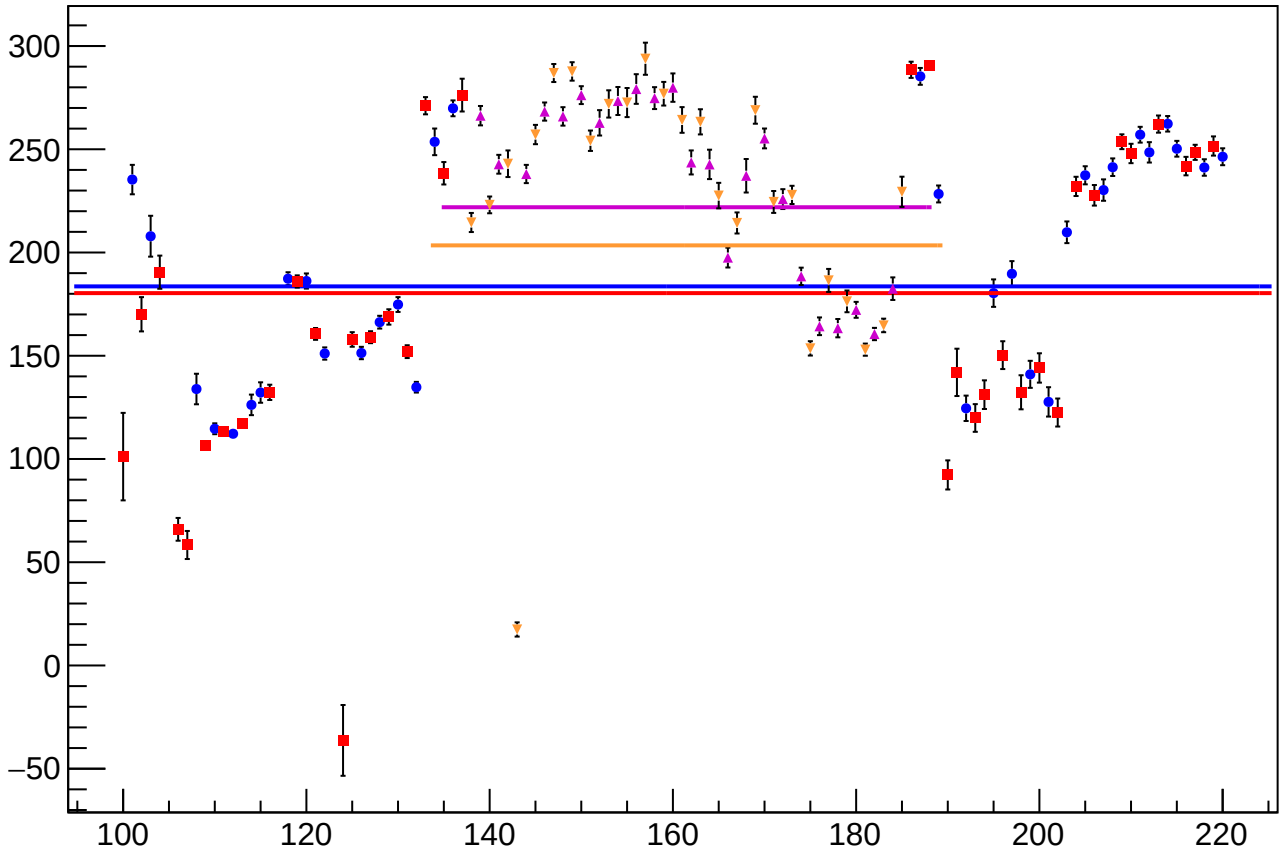
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -84.781+/-0.035 χ^2/NDF: 2701790.4/69

In: -116.842+/-0.033 χ^2/NDF:2294153.3/55

Out: -109.654+/-0.032 χ^2/NDF:2883464.0/61

All: -113.137+/-0.023 χ^2/NDF: 5202439.5/11



Right In: 183.592+/-0.688 χ^2/NDF: 6539.9/32

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 180.332+/-0.655 χ^2/NDF: 10543.5/36

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

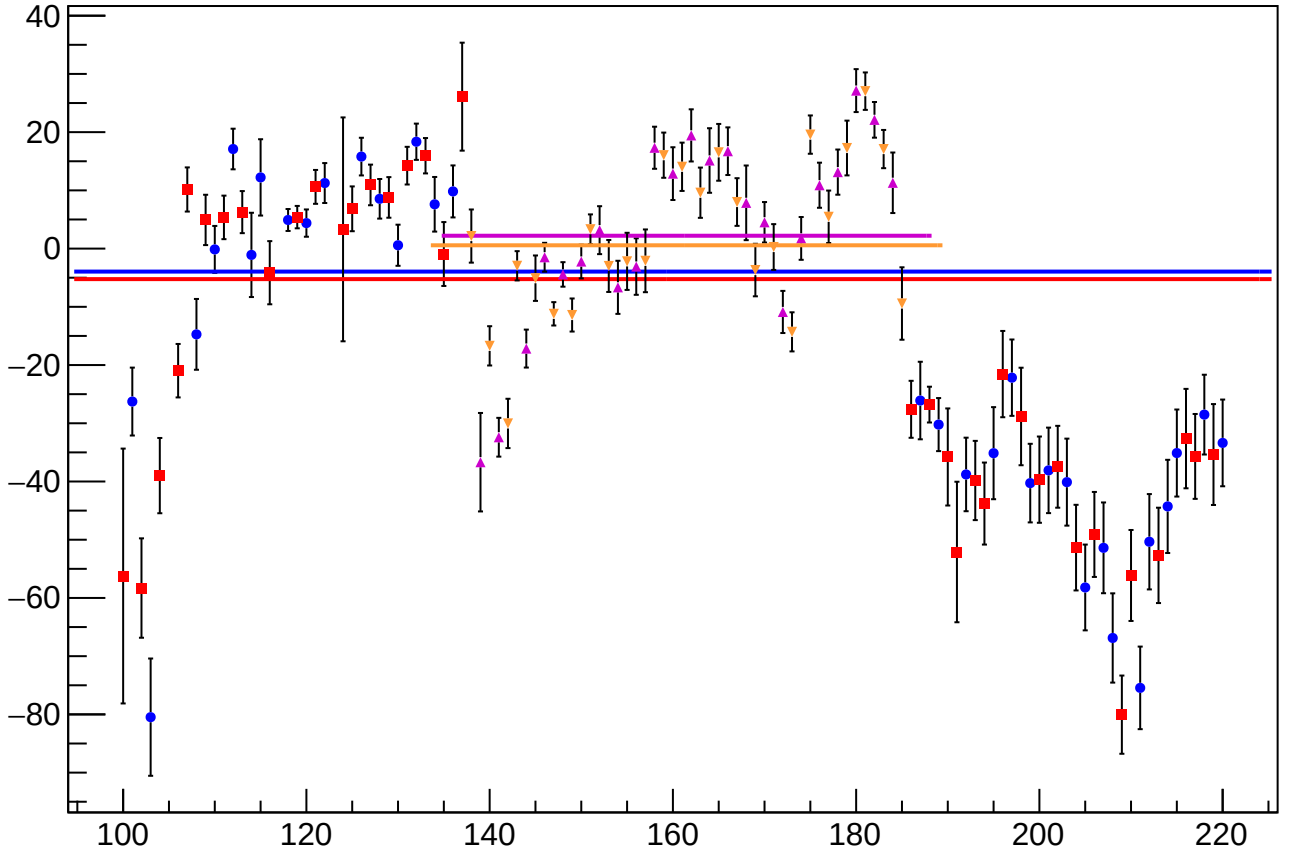
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 181.883+/-0.475 χ^2/NDF: 17095.1/69

In: 195.853+/-0.567 χ^2/NDF:9520.1/55

Out: 187.757+/-0.540 χ^2/NDF:16434.6/61

All: 191.607+/-0.391 χ^2/NDF: 26061.5/117



Right In: -3.948+/-0.787 χ^2/NDF: 828.6/32

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -5.241+/-0.771 χ^2/NDF: 853.3/36

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

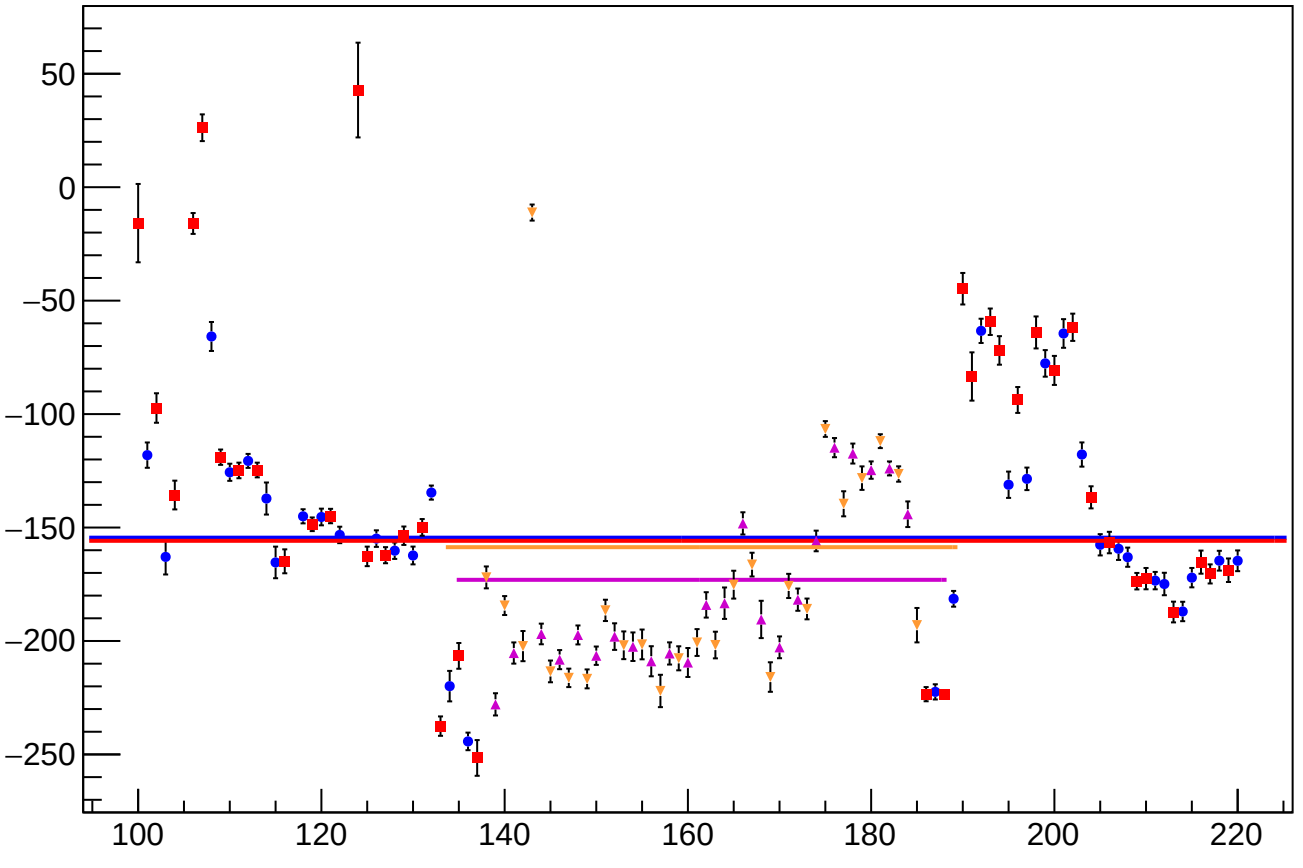
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -4.608+/-0.551 χ^2/NDF: 1683.3/69

In: -0.763+/-0.547 χ^2/NDF:1218.4/55

Out: -2.120+/-0.524 χ^2/NDF:1229.3/61

All: -1.470+/-0.378 χ^2/NDF: 2450.9/117



Right In: -154.463+/-0.750 χ^2/NDF: 2478.9/32

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.848+/-0.705 χ^2/NDF: 6536.4/36

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

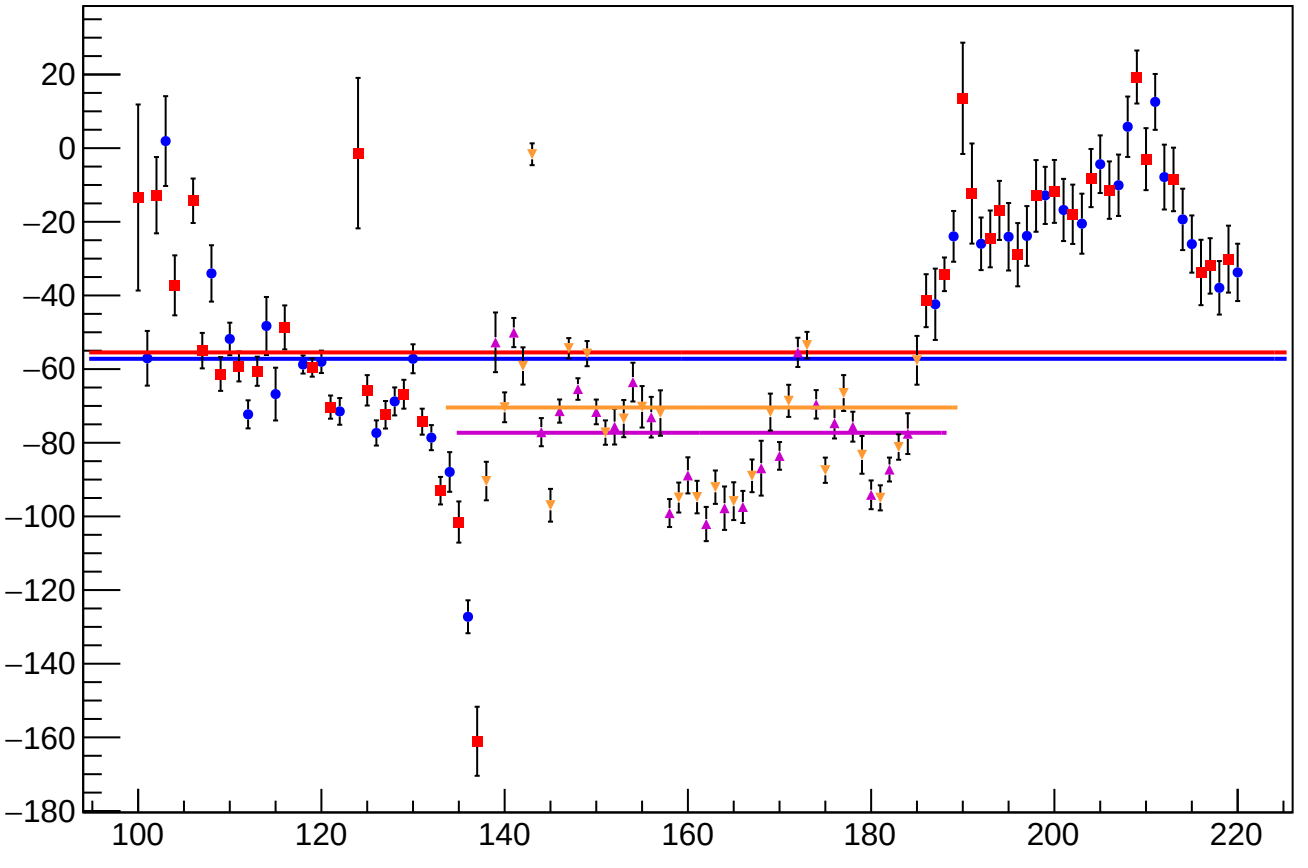
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -155.199+/-0.514 χ^2/NDF: 9017.1/69

In: -161.189+/-0.599 χ^2/NDF:4101.1/55

Out: -156.845+/-0.566 χ^2/NDF:10033.8/61

All: -158.895+/-0.411 χ^2/NDF: 14162.6/117



Right In: -57.204+/-0.912 χ^2/NDF: 886.2/32

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -55.467+/-0.899 χ^2/NDF: 907.6/36

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

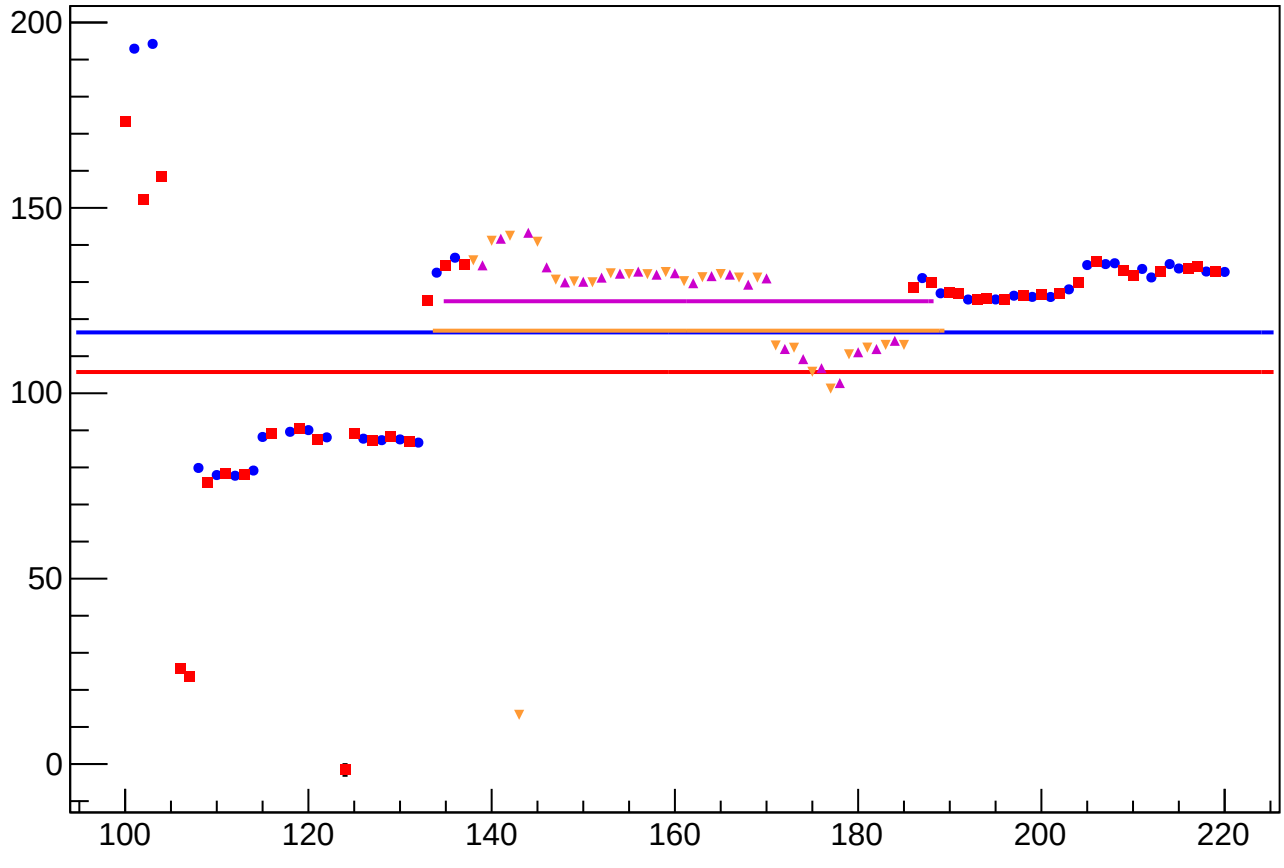
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -56.323+/-0.640 χ^2/NDF: 1795.7/69

In: -67.765+/-0.628 χ^2/NDF:1395.6/55

Out: -63.618+/-0.606 χ^2/NDF:1960.3/61

All: -65.619+/-0.436 χ^2/NDF: 3378.5/117



Right In: 116.415+/-0.052 χ^2/NDF: 292270.3/32

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 105.730+/-0.049 χ^2/NDF: 547640.8/36

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

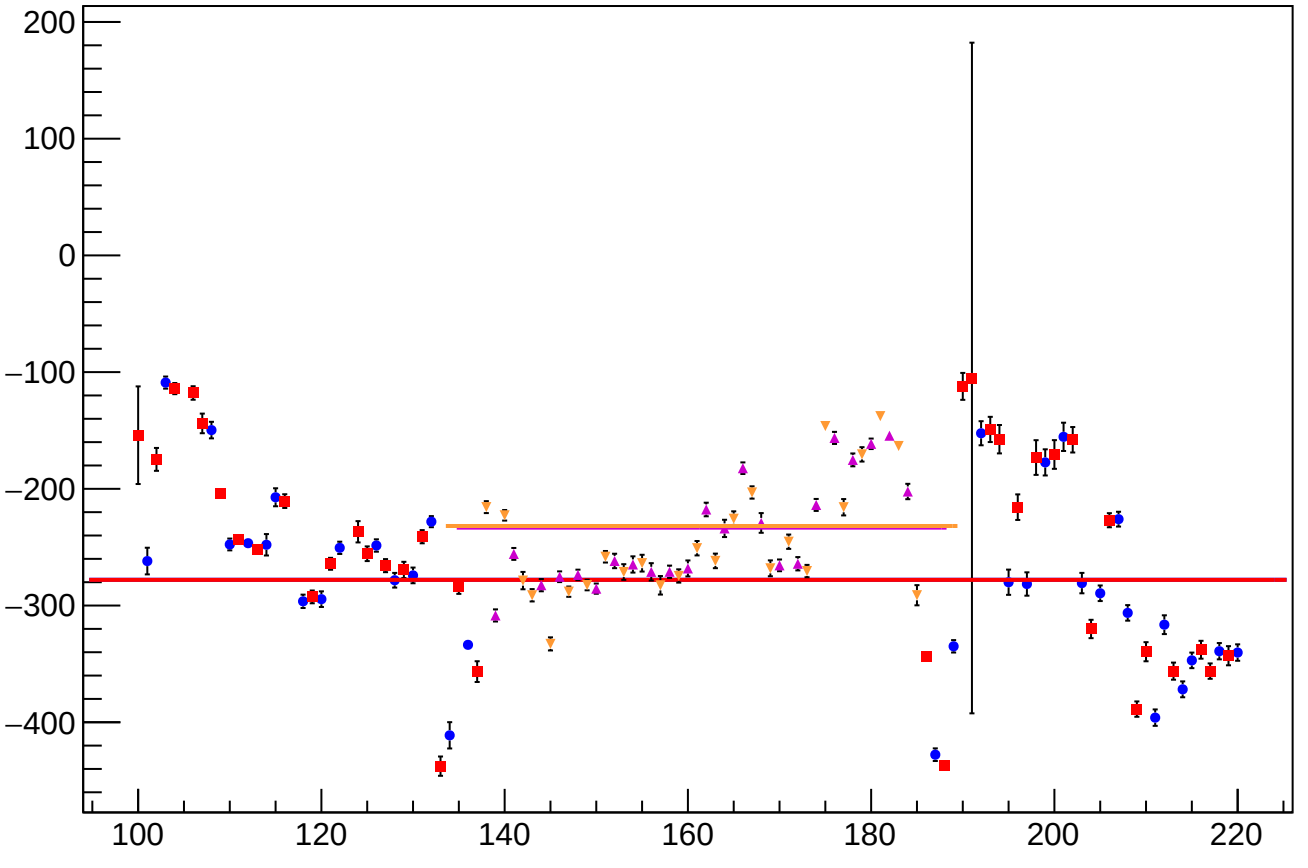
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 110.758+/-0.036 χ^2/NDF: 862276.6/69

In: 121.760+/-0.031 χ^2/NDF:397005.7/55

Out: 112.681+/-0.030 χ^2/NDF:1203017.8/61

All: 117.031+/-0.022 χ^2/NDF: 1643672.1/117



Right In: -277.910+/-1.119 χ^2/NDF: 4149.7/32

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -278.007+/-1.026 χ^2/NDF: 8317.7/36

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

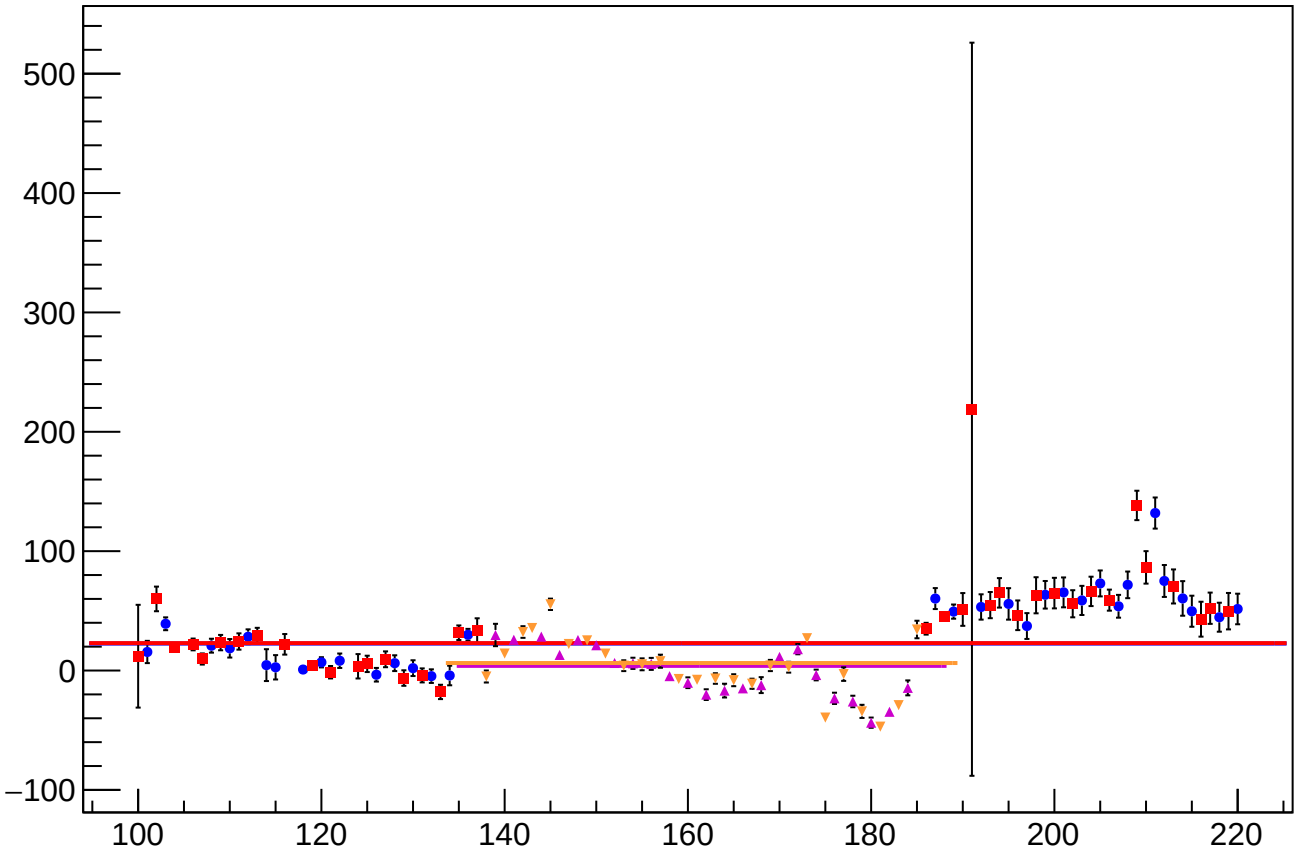
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -277.963+/-0.756 χ^2/NDF: 12467.5/69

In: -255.359+/-0.787 χ^2/NDF:7021.1/55

Out: -256.109+/-0.744 χ^2/NDF:11954.2/61

All: -255.755+/-0.541 χ^2/NDF: 18975.8/117



Right In: 22.596+/-1.280 χ^2/NDF: 393.4/32

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.966+/-1.167 χ^2/NDF: 429.4/36

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

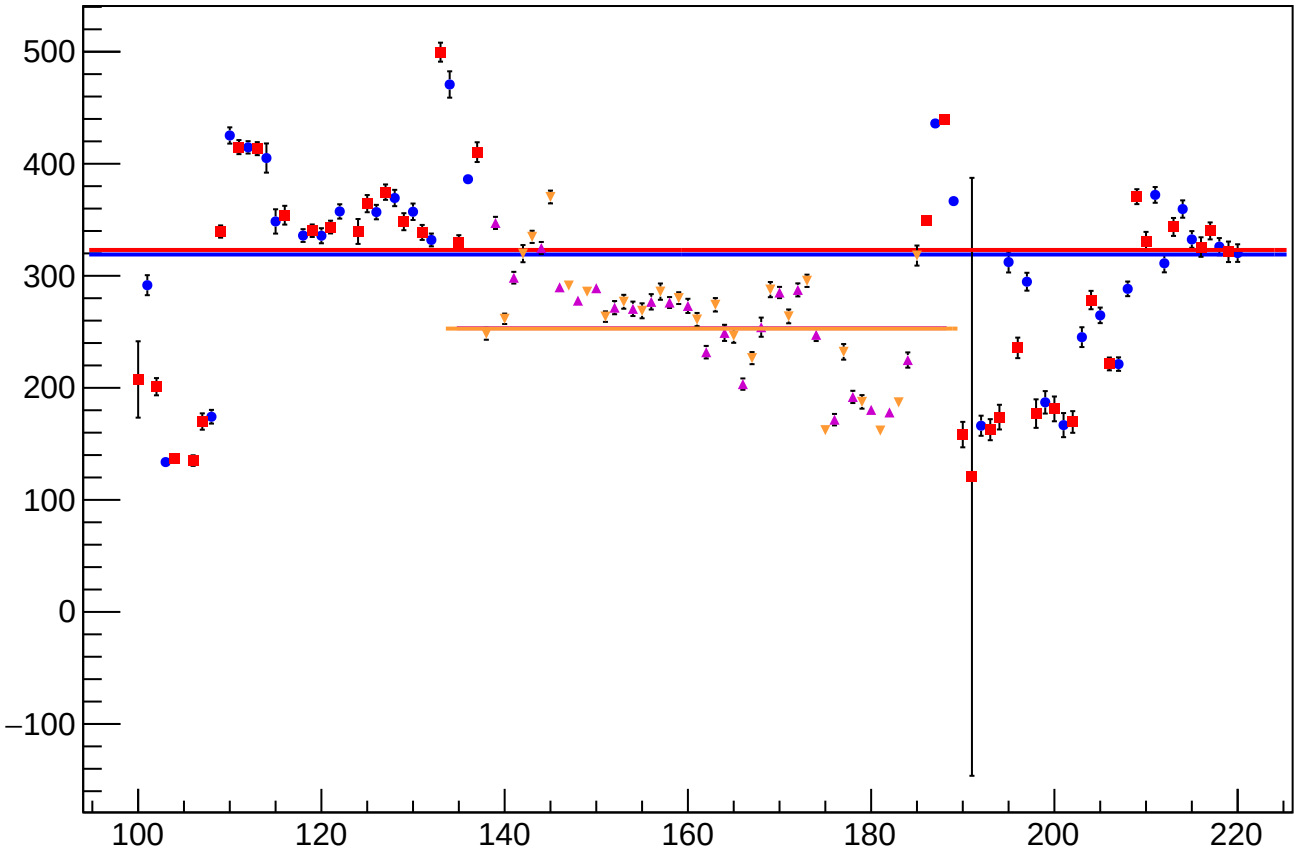
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 22.798+/-0.863 χ^2/NDF: 822.9/69

In: 9.325+/-0.689 χ^2/NDF:1195.0/55

Out: 11.521+/-0.654 χ^2/NDF:1441.0/61

All: 10.481+/-0.474 χ^2/NDF: 2641.3/117



Right In: 319.011+/-1.159 χ^2/NDF: 5778.5/32

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 323.067+/-1.030 χ^2/NDF: 10158.8/36

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

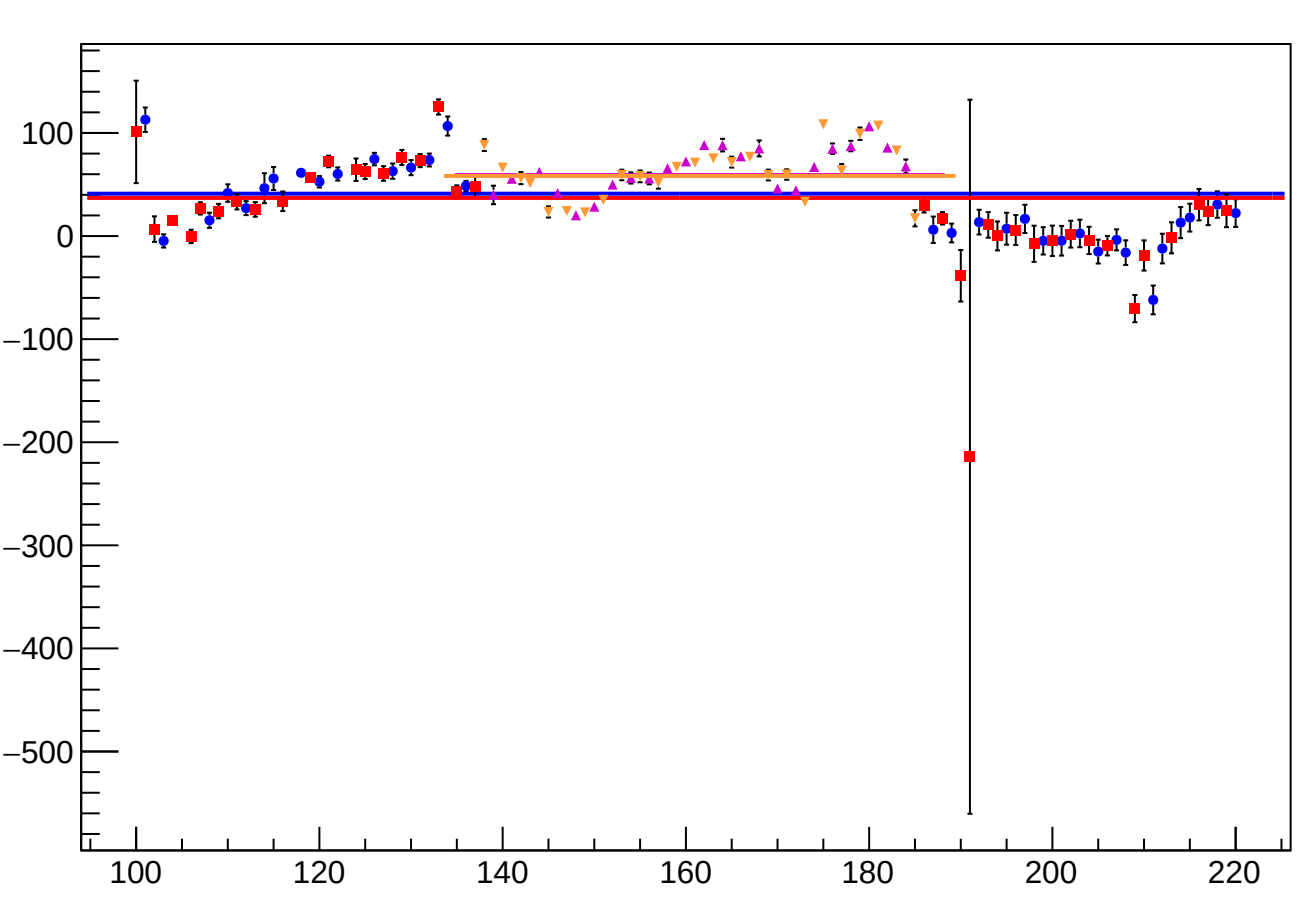
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 321.277+/-0.770 χ^2/NDF: 15944.2/69

In: 284.226+/-0.795 χ^2/NDF:9542.3/55

Out: 289.335+/-0.742 χ^2/NDF:14970.1/61

All: 286.957+/-0.543 χ^2/NDF: 24534.5/117



Right In: 41.111+/-1.486 χ^2/NDF: 482.1/32

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.008+/-1.390 χ^2/NDF: 544.4/36

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

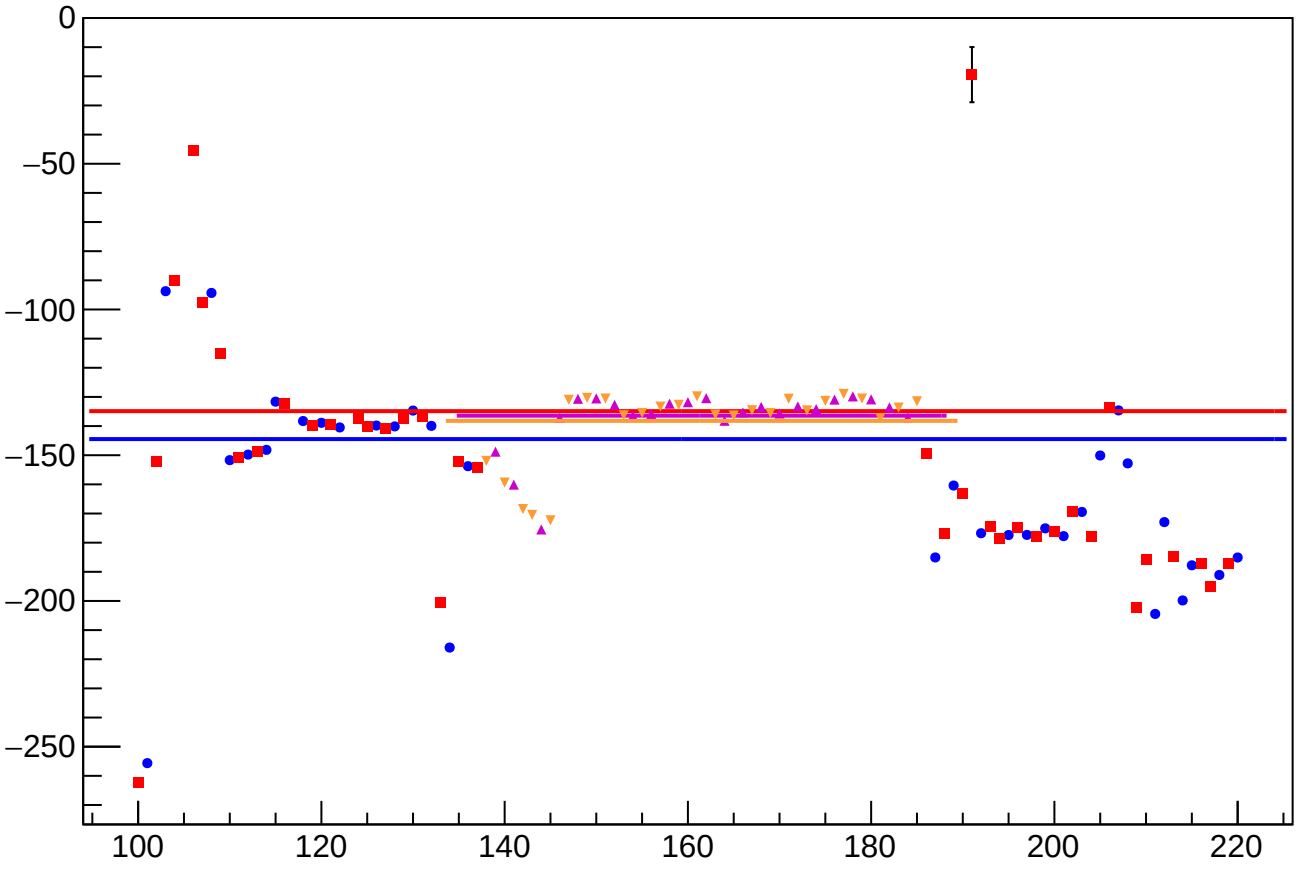
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 38.923+/-1.015 χ^2/NDF: 1030.6/69

In: 54.009+/-0.793 χ^2/NDF:1219.9/55

Out: 51.901+/-0.762 χ^2/NDF:1558.8/61

All: 52.913+/-0.550 χ^2/NDF: 2782.4/117



Right In: -144.464+/-0.073 χ^2/NDF: 262135.6/32

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -134.872+/-0.070 χ^2/NDF: 369032.7/36

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

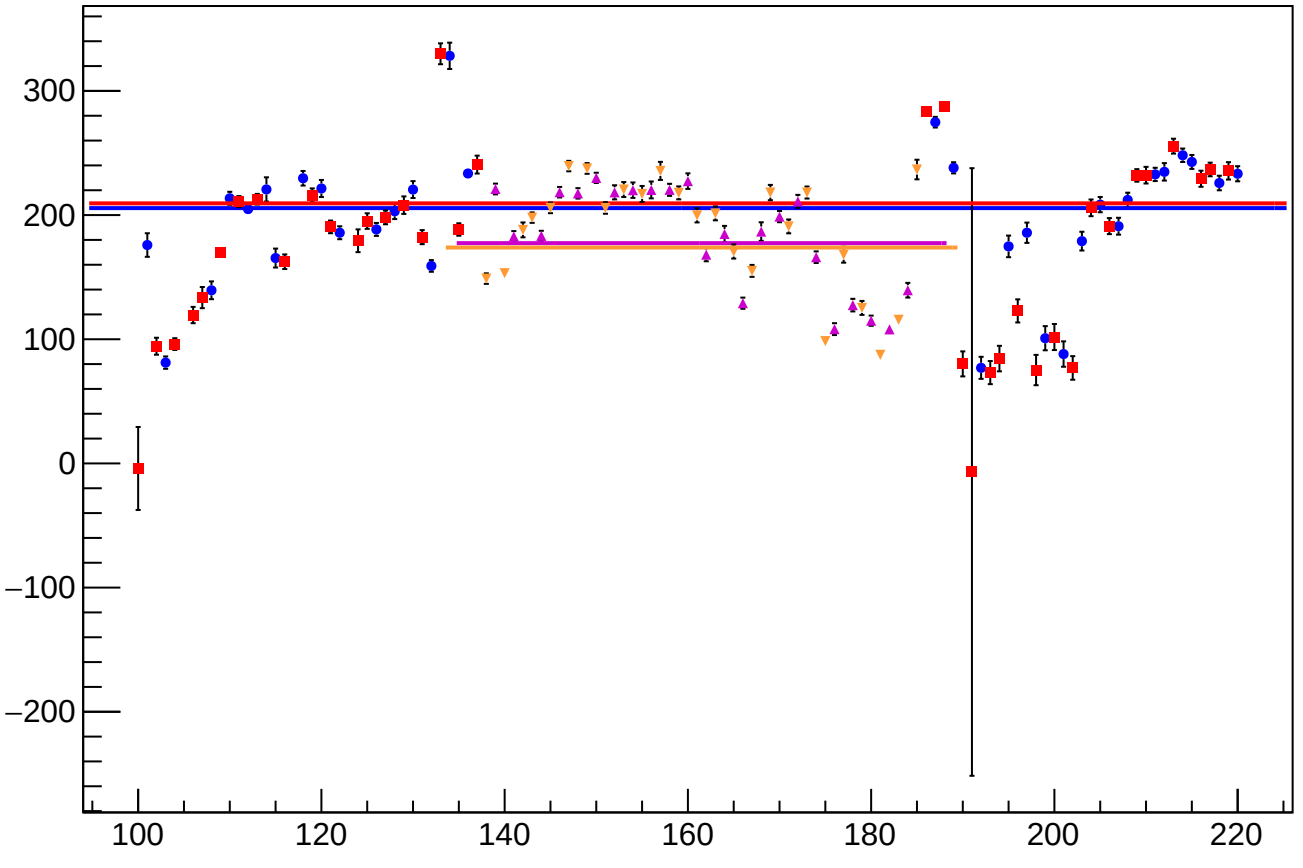
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -139.435+/-0.050 χ^2/NDF: 640207.6/69

In: -138.486+/-0.037 χ^2/NDF:320928.4/55

Out: -137.309+/-0.036 χ^2/NDF:452544.8/61

All: -137.886+/-0.026 χ^2/NDF: 773990.4/117



Right In: 205.611+/-1.030 χ^2/NDF: 2089.6/32

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 209.435+/-0.946 χ^2/NDF: 4358.8/36

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

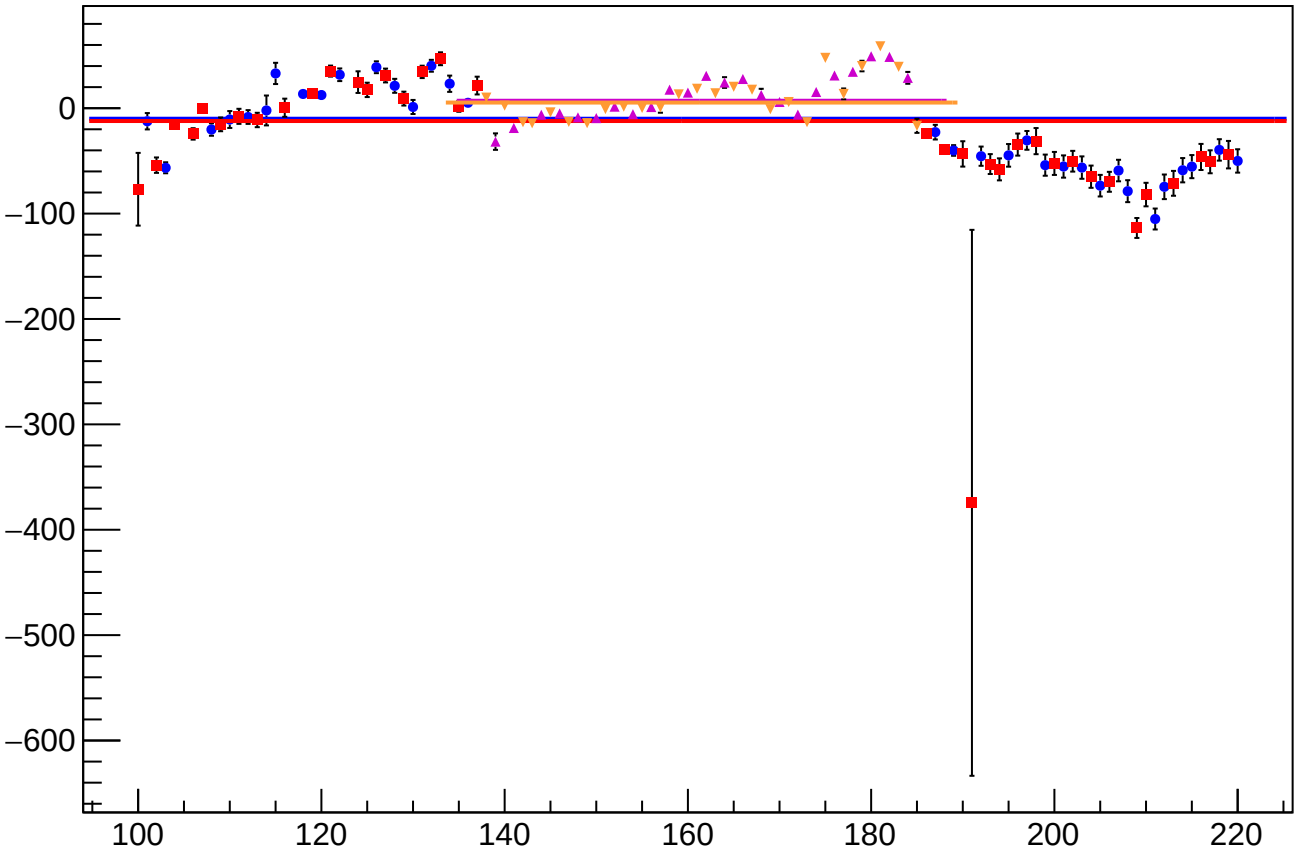
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 207.685+/-0.697 χ^2/NDF: 6455.8/69

In: 191.022+/-0.716 χ^2/NDF:4440.2/55

Out: 191.941+/-0.675 χ^2/NDF:7681.1/61

All: 191.509+/-0.491 χ^2/NDF: 12122.2/117



Right In: -9.991+/-1.212 χ^2/NDF: 843.2/32

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -12.163+/-1.104 χ^2/NDF: 877.9/36

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

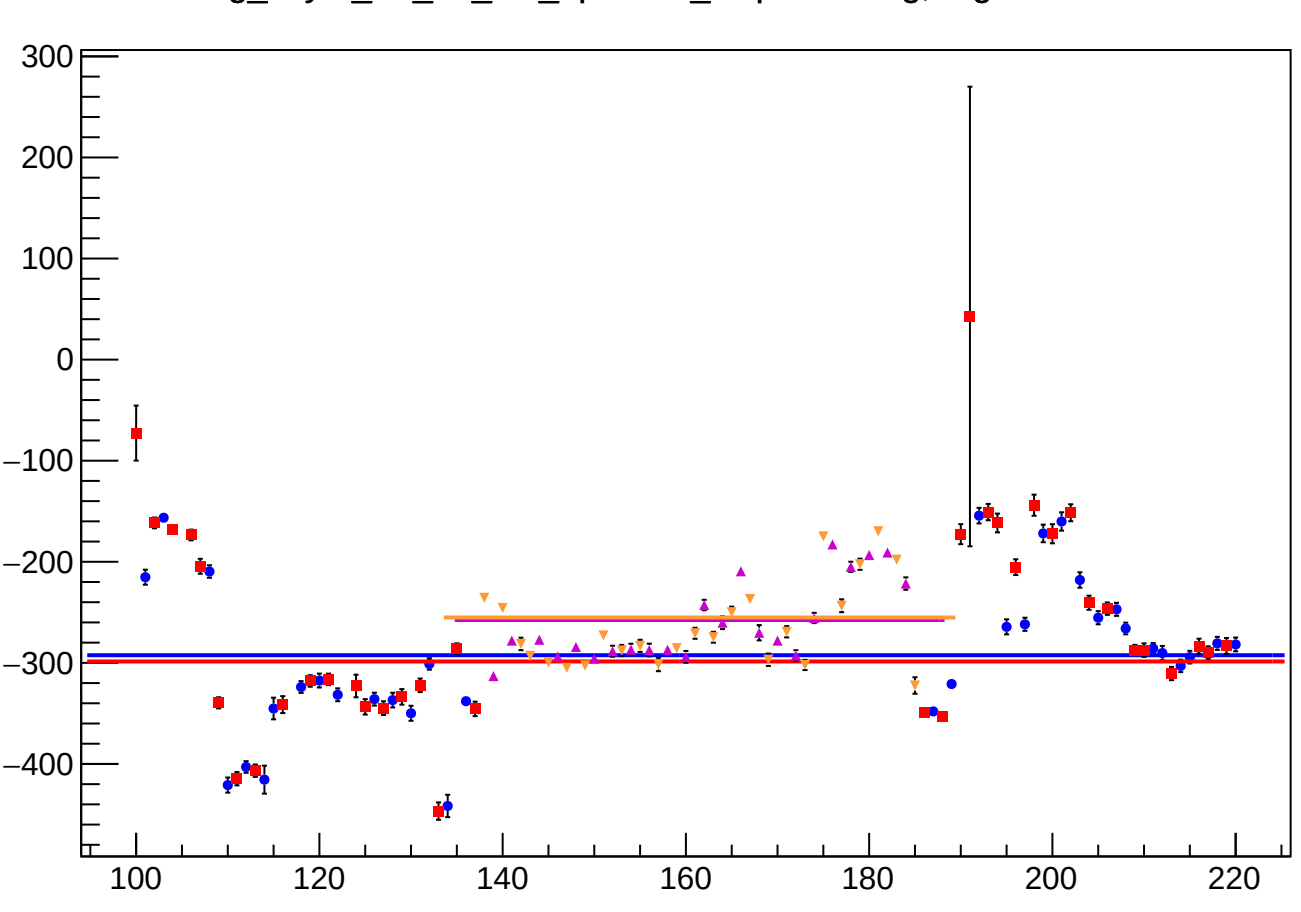
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -11.178+/-0.816 χ^2/NDF: 1722.9/69

In: 2.417+/-0.632 χ^2/NDF:1697.0/55

Out: 0.232+/-0.597 χ^2/NDF:1866.0/61

All: 1.263+/-0.434 χ^2/NDF: 3569.3/117



Right In: -292.443+/-1.048 χ^2/NDF: 4112.1/32

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -298.629+/-0.928 χ^2/NDF: 6725.0/36

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

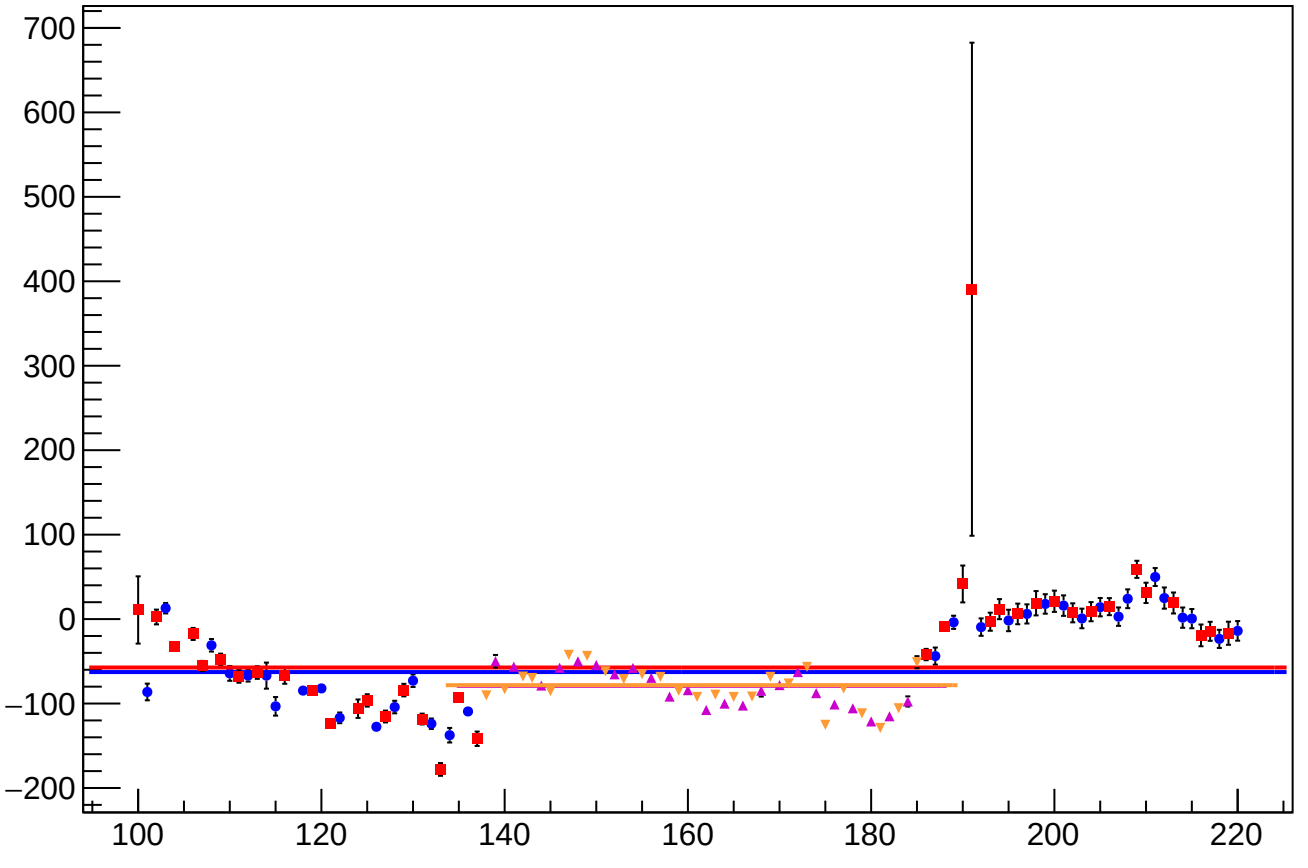
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -295.911+/-0.695 χ^2/NDF: 10856.7/69

In: -273.940+/-0.718 χ^2/NDF:6507.2/55

Out: -277.533+/-0.666 χ^2/NDF:10136.0/61

All: -275.871+/-0.488 χ^2/NDF: 16656.7/117



Right In: -62.735+/-1.404 χ^2/NDF: 1413.5/32

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -57.327+/-1.319 χ^2/NDF: 1561.4/36

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

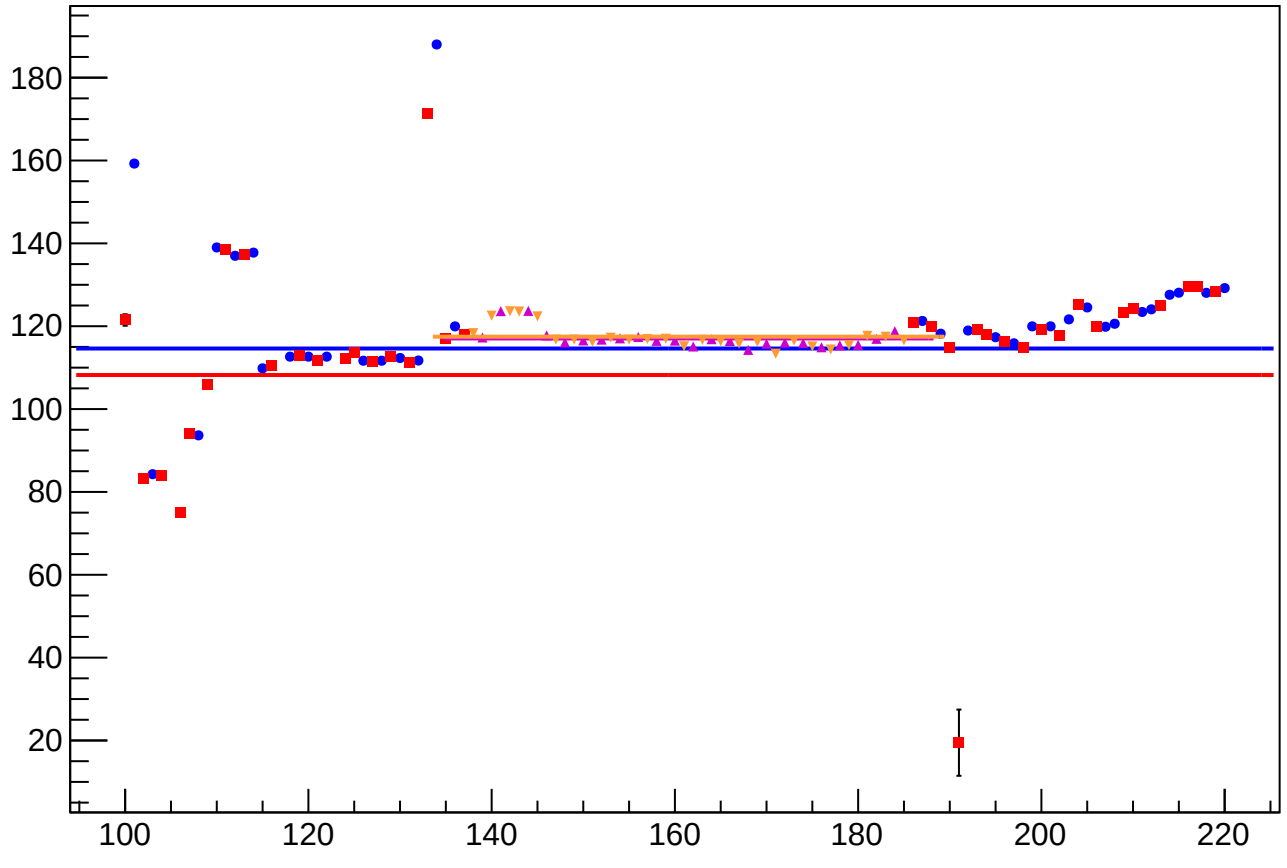
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -59.861+/-0.961 χ^2/NDF: 2982.8/69

In: -74.695+/-0.726 χ^2/NDF:2215.2/55

Out: -72.459+/-0.696 χ^2/NDF:2612.0/61

All: -73.529+/-0.502 χ^2/NDF: 4832.2/117



Right In: 114.618+/-0.067 χ^2/NDF: 89987.9/32

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 108.221+/-0.064 χ^2/NDF: 84438.0/36

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

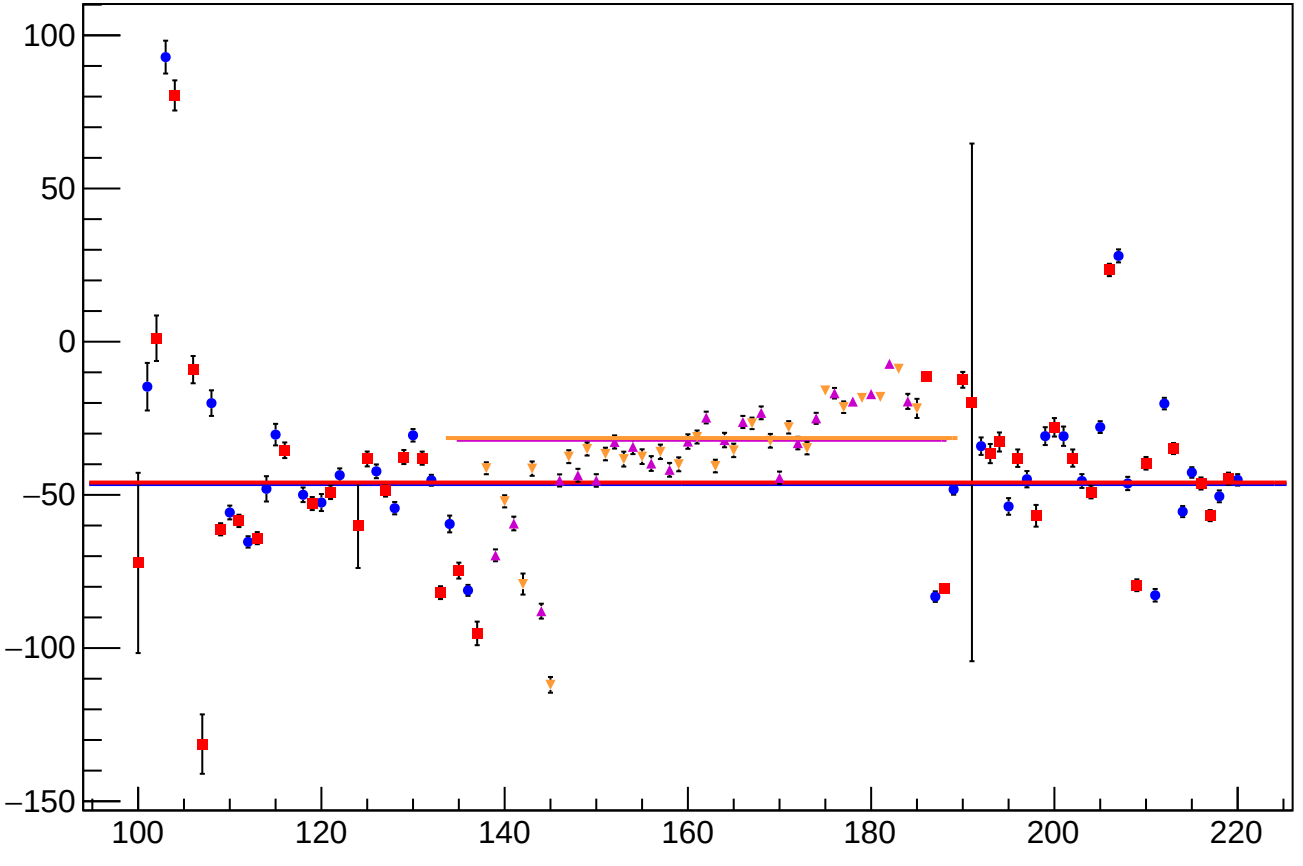
Right: 111.254+/-0.046 χ^2/NDF: 179211.2/69

In: 116.442+/-0.033 χ^2/NDF:94315.2/55

Out: 115.046+/-0.033 χ^2/NDF:104754.5/61

All: 115.726+/-0.023 χ^2/NDF: 199961.9/117

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -46.468+/-0.390 χ^2/NDF: 3747.7/32

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -45.970+/-0.365 χ^2/NDF: 5779.5/36

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

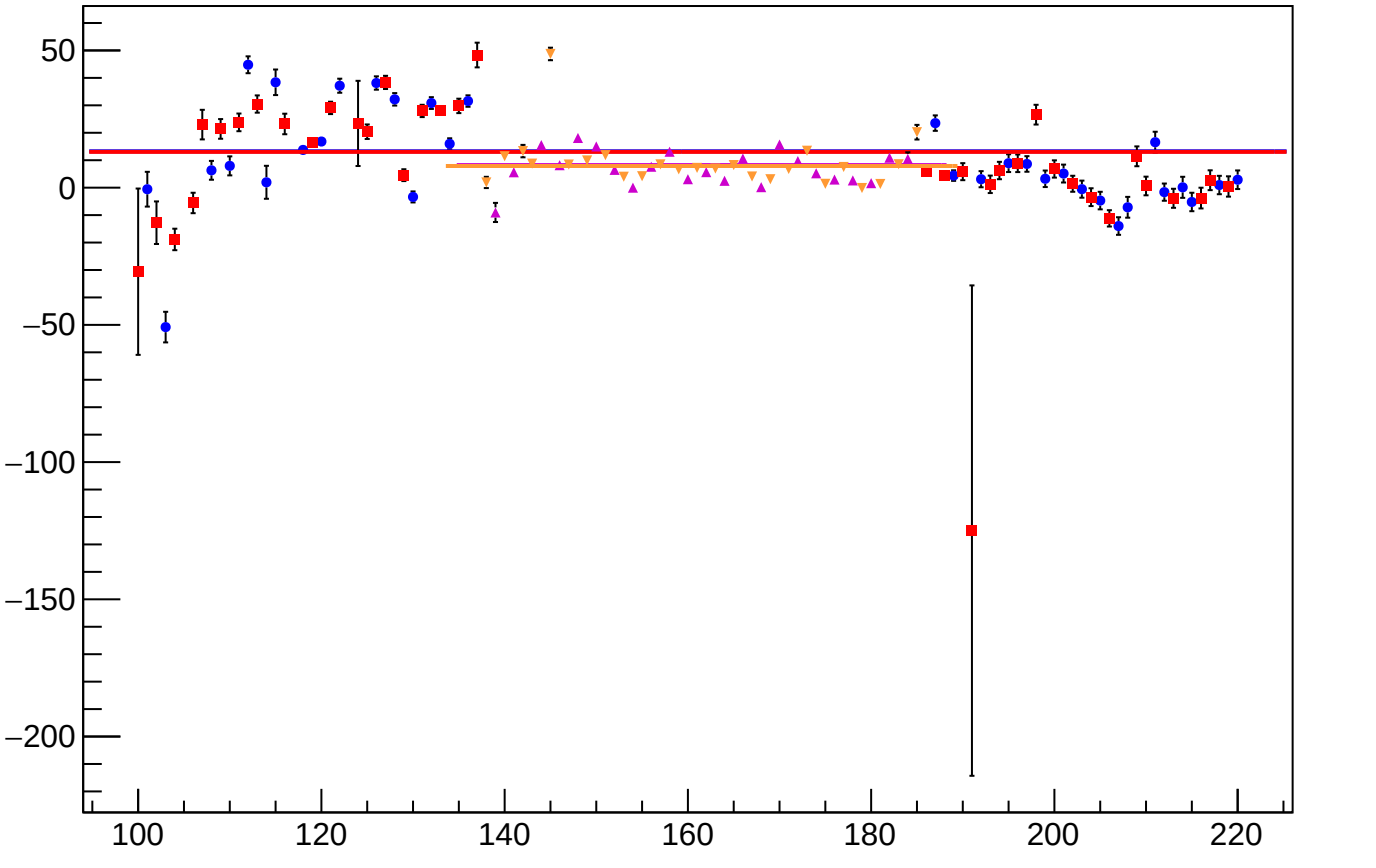
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -46.202+/-0.266 χ^2/NDF: 9528.1/69

In: -39.596+/-0.282 χ^2/NDF:6315.8/55

Out: -39.363+/-0.269 χ^2/NDF:8493.5/61

All: -39.474+/-0.195 χ^2/NDF: 14809.7/117



Right In: 13.254+/-0.473 χ^2/NDF: 1069.0/32

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.045+/-0.444 χ^2/NDF: 896.3/36

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

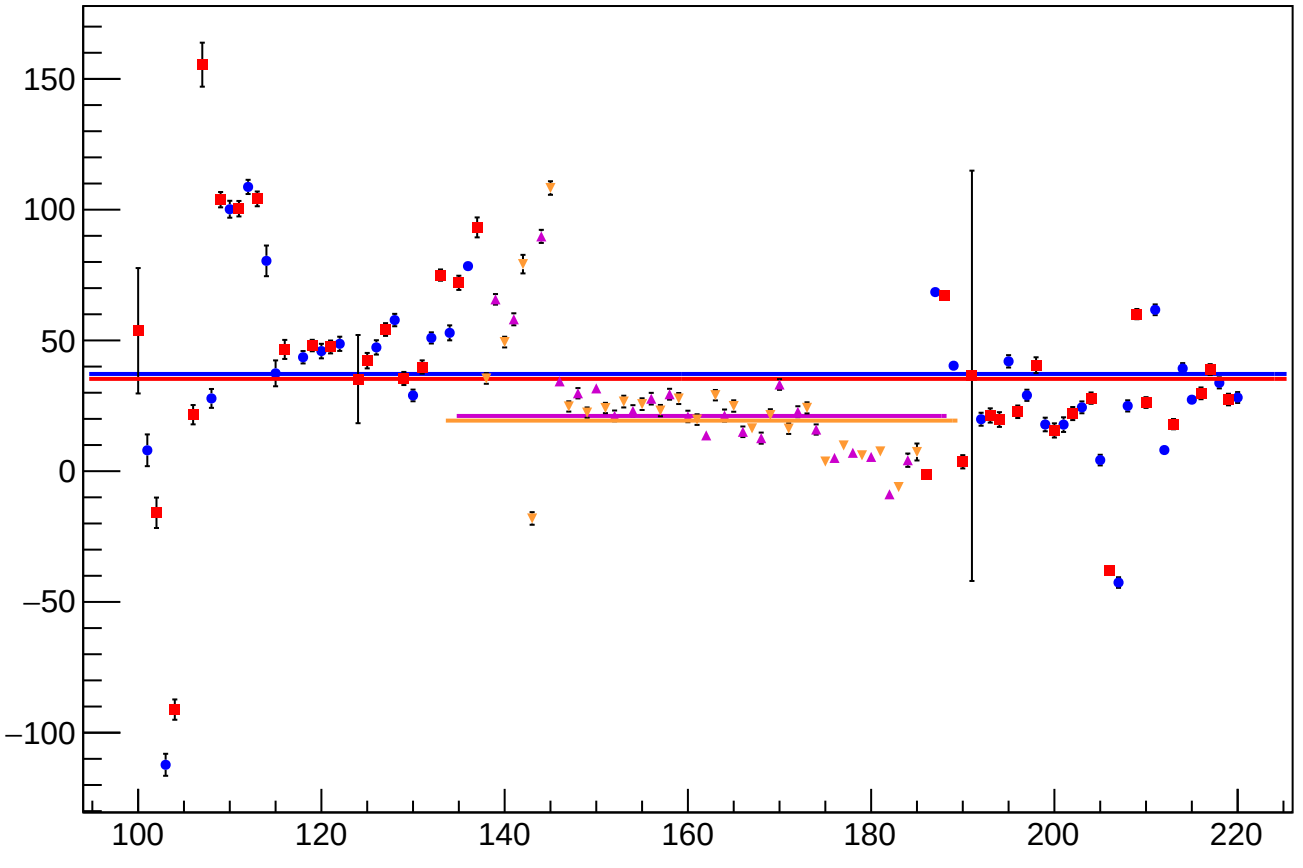
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 13.143+/-0.324 χ^2/NDF: 1965.5/69

In: 9.774+/-0.262 χ^2/NDF:1486.2/55

Out: 9.539+/-0.251 χ^2/NDF:1478.4/61

All: 9.651+/-0.181 χ^2/NDF: 2965.0/117



Right In: 37.180+/-0.401 χ^2/NDF: 6109.5/32

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.296+/-0.357 χ^2/NDF: 9388.5/36

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

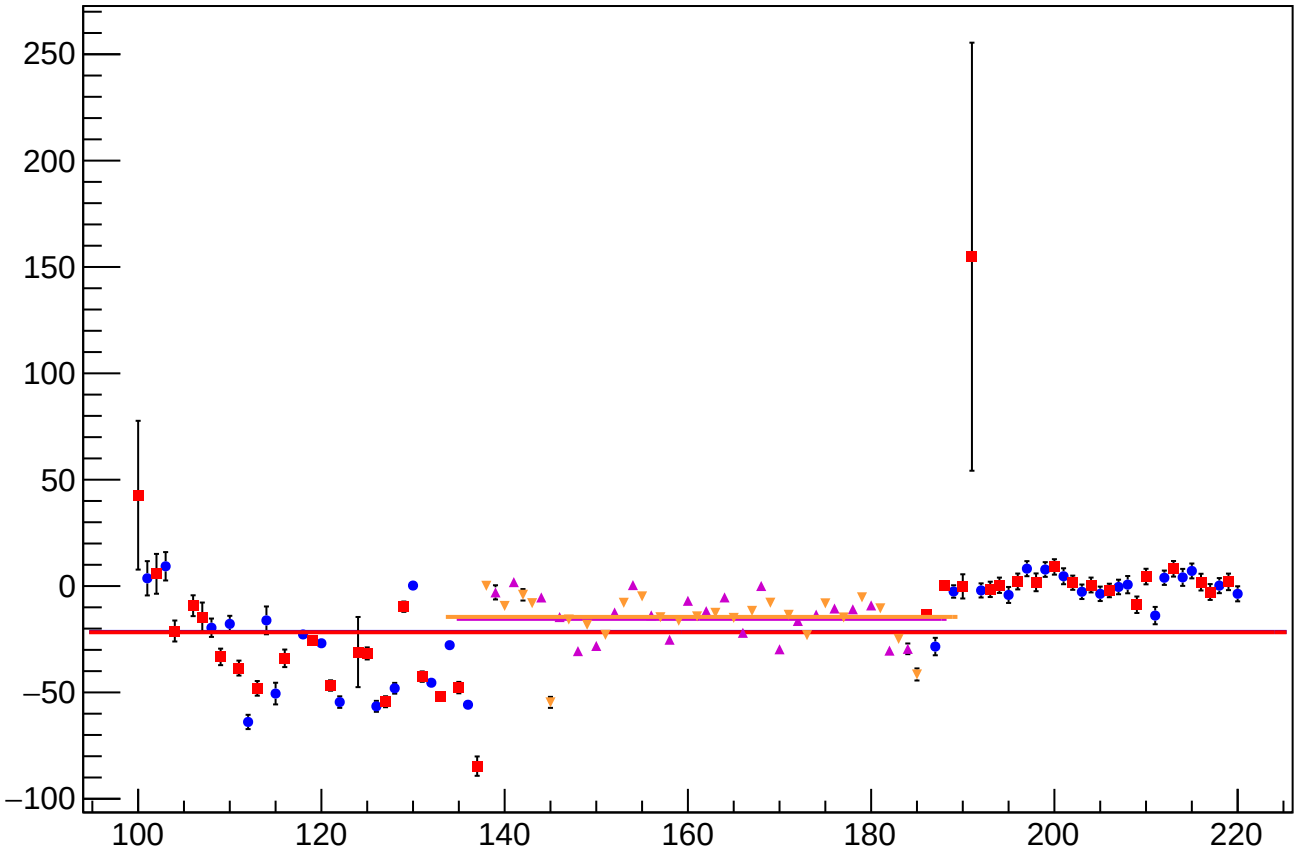
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.131+/-0.267 χ^2/NDF: 15510.3/69

In: 29.233+/-0.285 χ^2/NDF:9409.0/55

Out: 28.124+/-0.265 χ^2/NDF:12966.7/61

All: 28.639+/-0.194 χ^2/NDF: 22383.8/117



Right In: -21.556+/-0.544 χ^2/NDF: 1798.6/32

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -21.715+/-0.530 χ^2/NDF: 1761.5/36

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

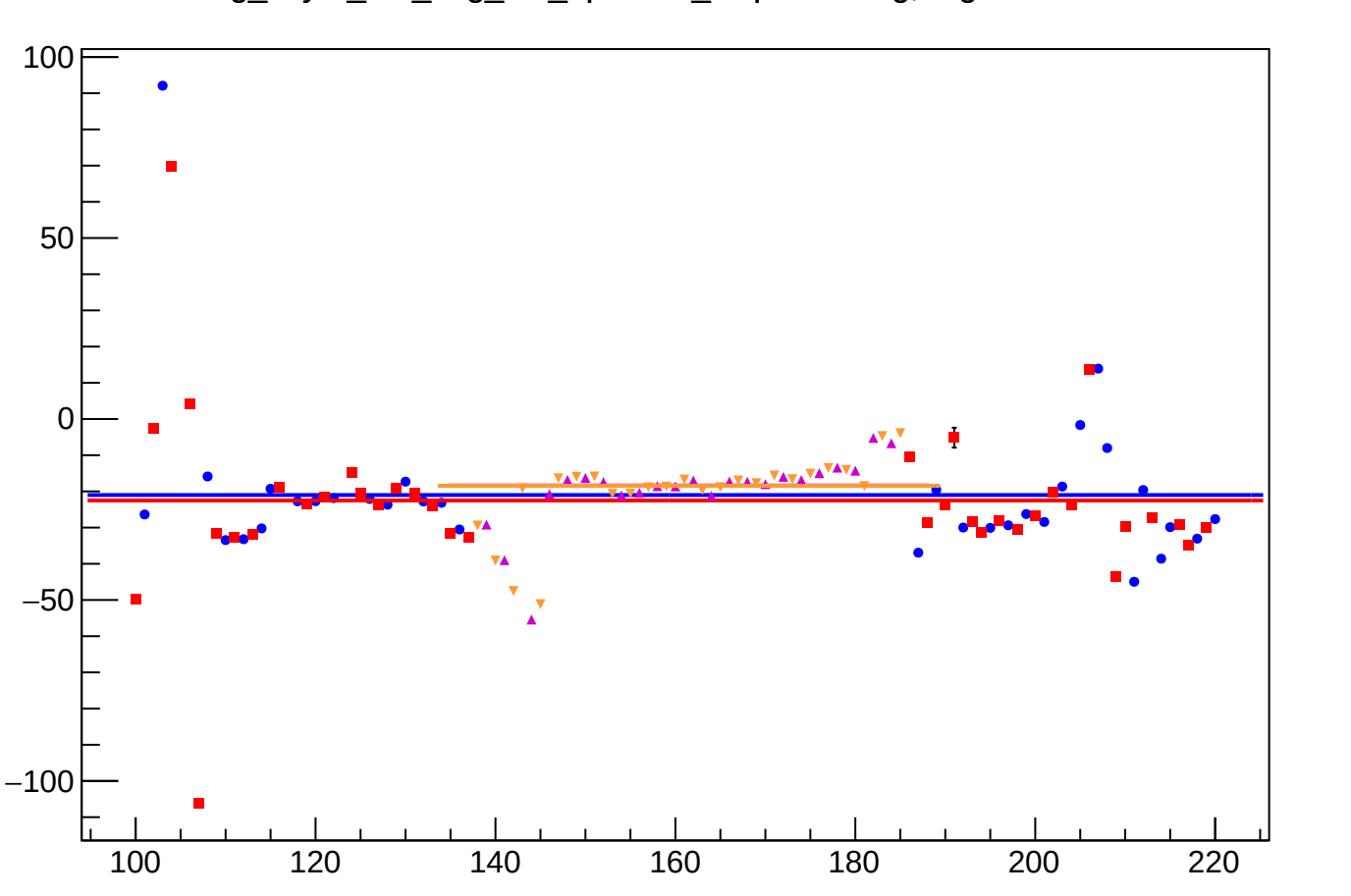
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -21.638+/-0.380 χ^2/NDF: 3560.1/69

In: -17.255+/-0.297 χ^2/NDF:2686.7/55

Out: -16.638+/-0.289 χ^2/NDF:2532.7/61

All: -16.937+/-0.207 χ^2/NDF: 5221.6/117



Right In: -21.007+/-0.027 χ^2/NDF: 586616.8/32

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.502+/-0.026 χ^2/NDF: 489082.2/36

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

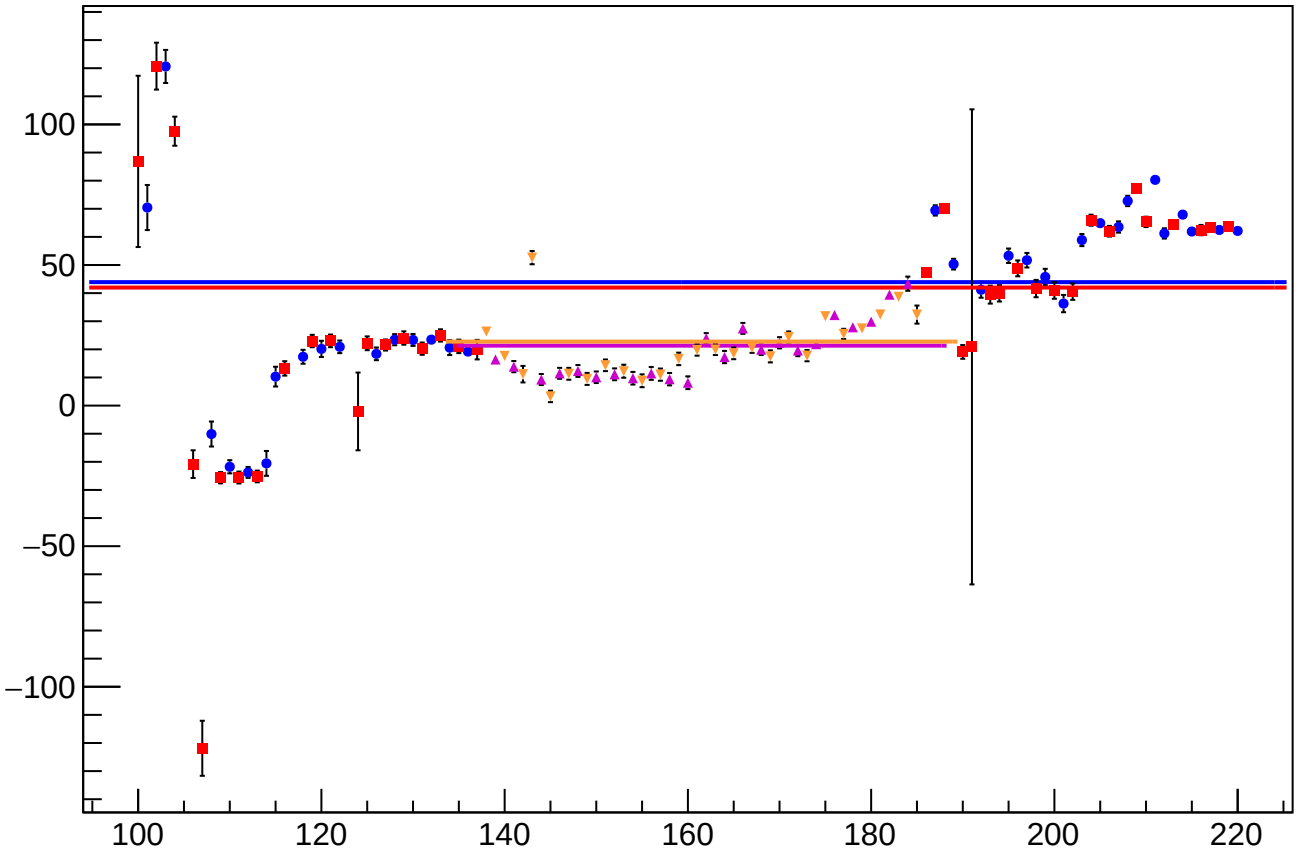
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.758+/-0.019 χ^2/NDF: 1077288.1/69

In: -19.061+/-0.014 χ^2/NDF:843889.4/55

Out: -19.483+/-0.013 χ^2/NDF:801921.2/61

All: -19.275+/-0.010 χ^2/NDF: 1646304.0/117



Right In: 43.907+/-0.376 χ^2/NDF: 5568.0/32

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 41.983+/-0.363 χ^2/NDF: 6973.9/36

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

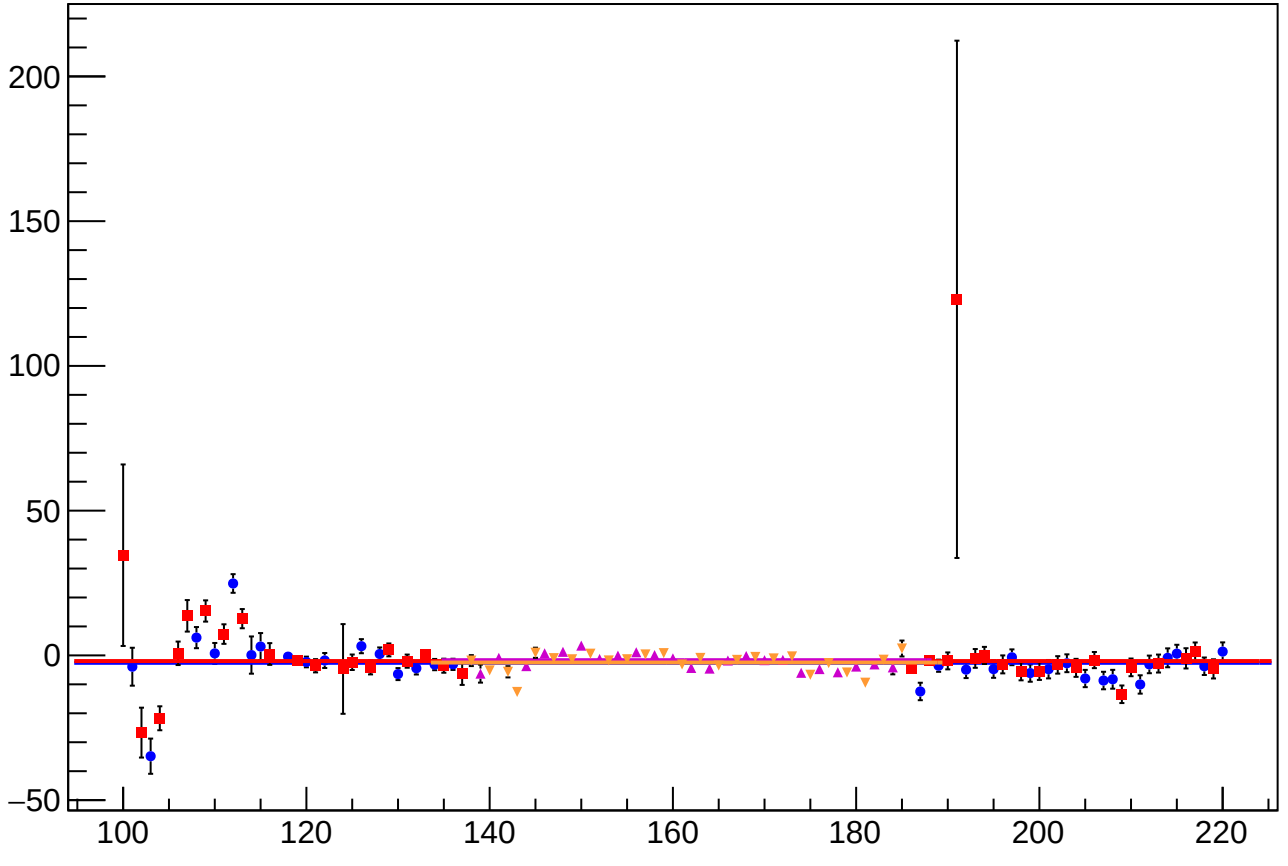
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 42.911+/-0.261 χ^2/NDF: 12555.4/69

In: 33.096+/-0.272 χ^2/NDF:7921.0/55

Out: 32.871+/-0.263 χ^2/NDF:9023.2/61

All: 32.980+/-0.189 χ^2/NDF: 16944.5/117



Right In: -2.561+/-0.469 χ^2/NDF: 156.4/32

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.959+/-0.452 χ^2/NDF: 123.5/36

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

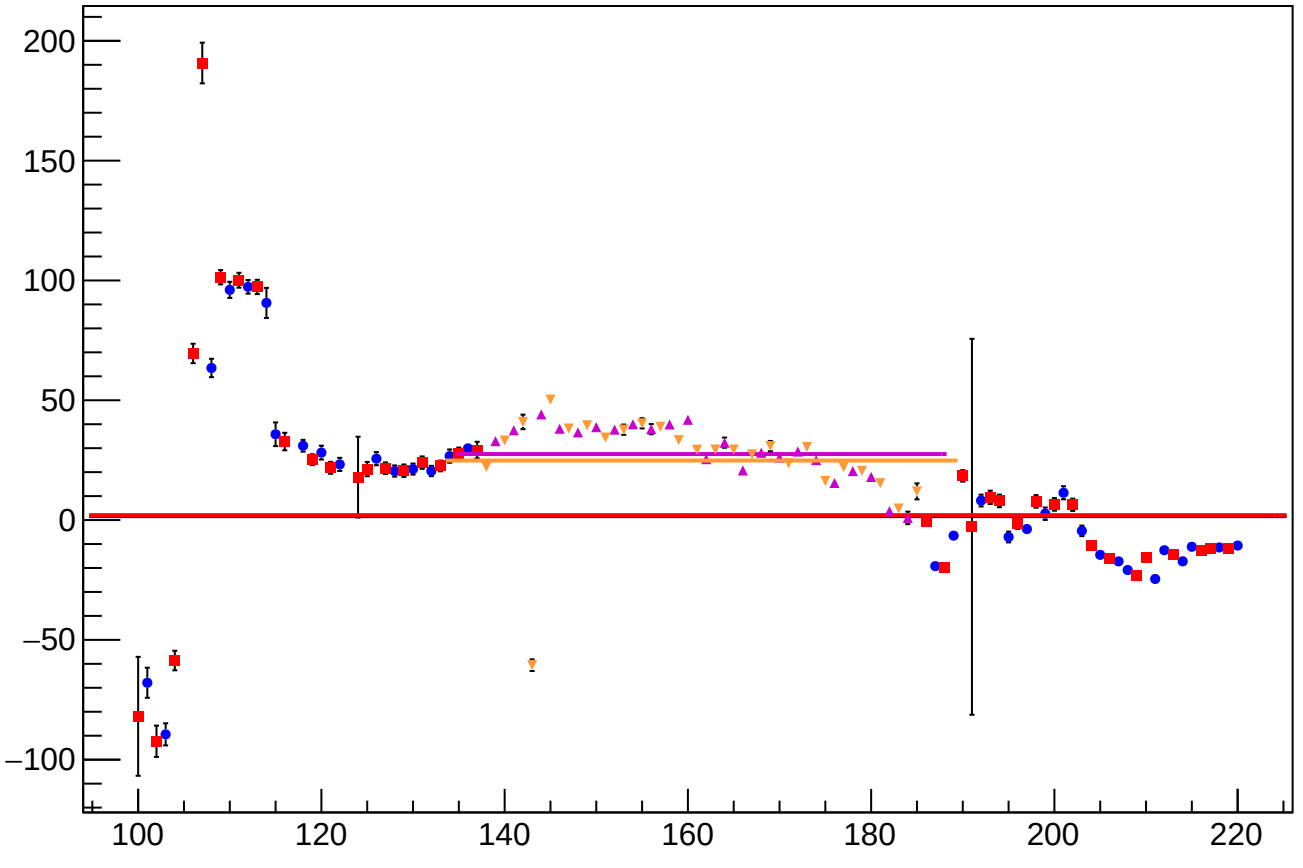
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.249+/-0.325 χ^2/NDF: 280.7/69

In: -1.926+/-0.255 χ^2/NDF:229.2/55

Out: -2.318+/-0.246 χ^2/NDF:241.1/61

All: -2.129+/-0.177 χ^2/NDF: 471.5/117



Right In: 1.641+/-0.389 χ^2/NDF: 5017.2/32

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 2.050+/-0.363 χ^2/NDF: 6475.5/36

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

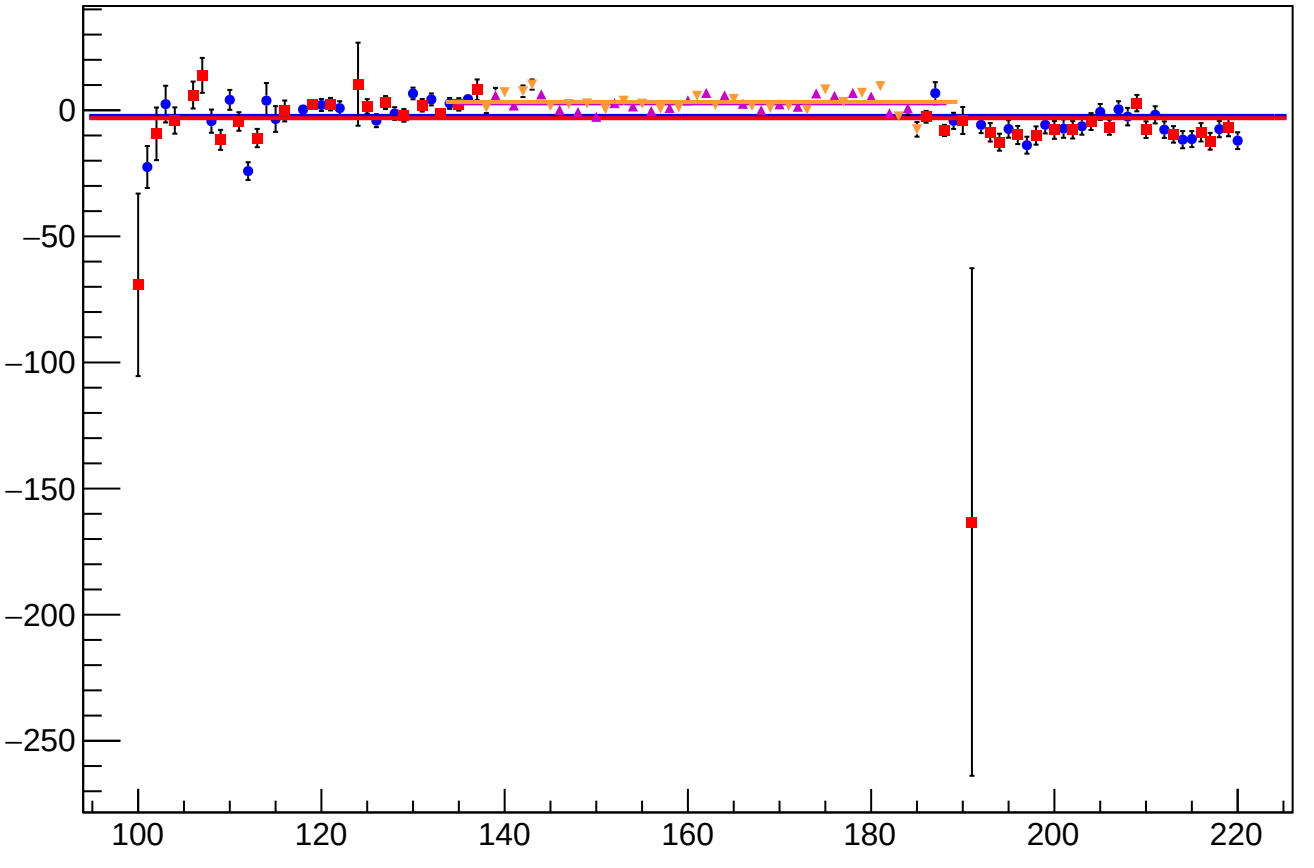
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 1.860+/-0.265 χ^2/NDF: 11493.3/69

In: 14.603+/-0.275 χ^2/NDF:8117.6/55

Out: 12.926+/-0.262 χ^2/NDF:10409.2/61

All: 13.725+/-0.190 χ^2/NDF: 18546.2/117



Right In: -2.232+/-0.534 χ^2/NDF: 150.5/32

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -3.153+/-0.532 χ^2/NDF: 112.7/36

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

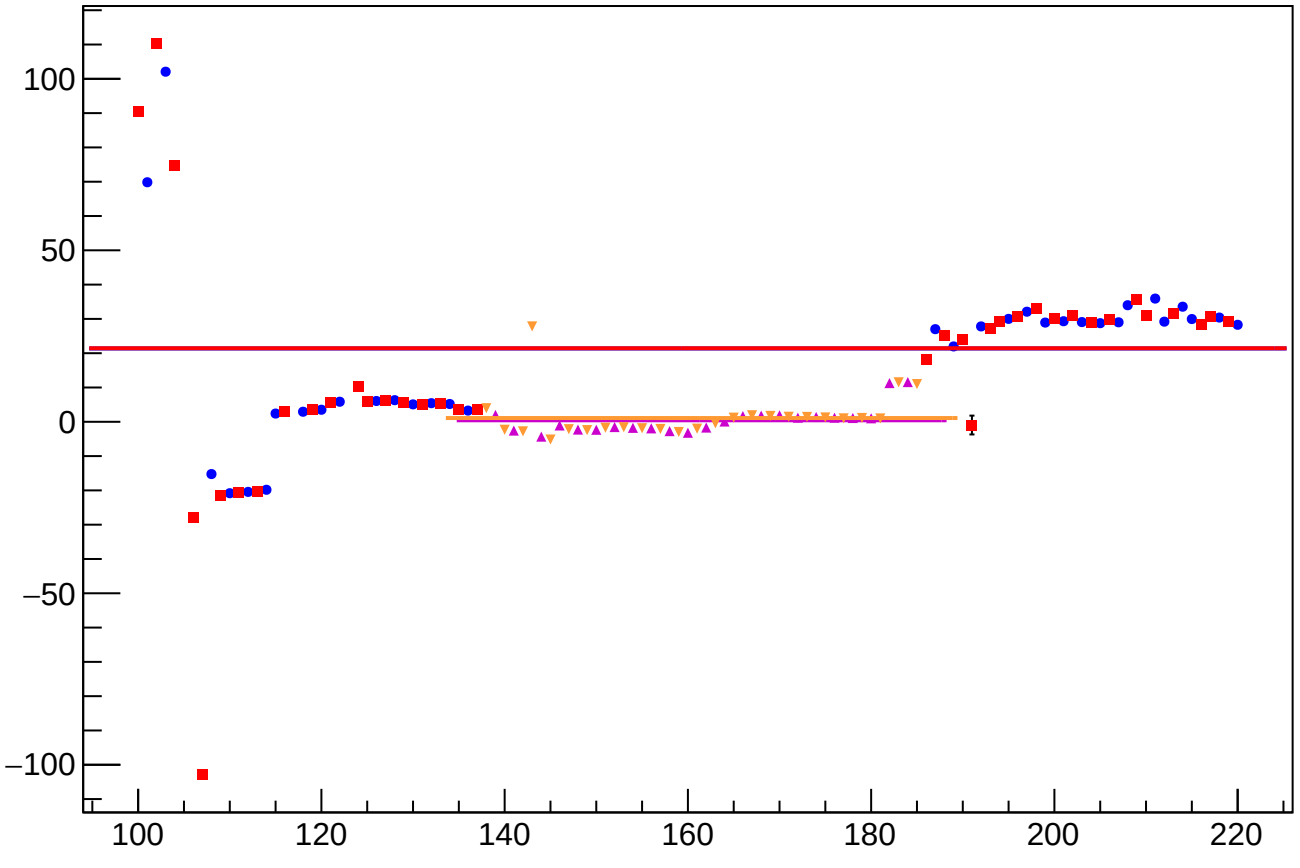
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.694+/-0.377 χ^2/NDF: 264.7/69

In: 1.286+/-0.288 χ^2/NDF:286.2/55

Out: 1.489+/-0.281 χ^2/NDF:324.4/61

All: 1.390+/-0.201 χ^2/NDF: 610.9/117



Right In: 21.370+/-0.026 χ^2/NDF: 508434.2/32

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 21.442+/-0.026 χ^2/NDF: 647769.3/36

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

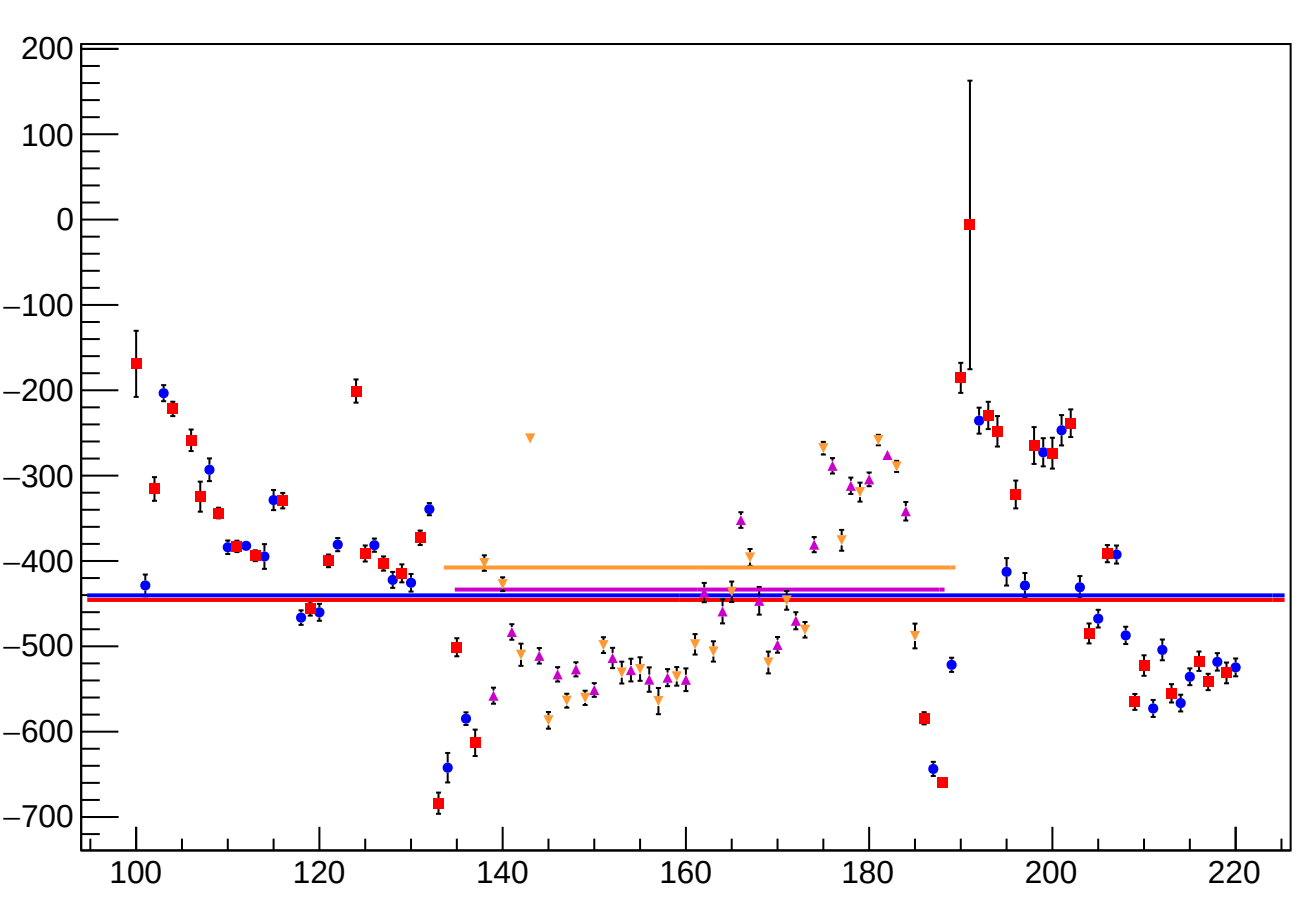
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 21.406+/-0.018 χ^2/NDF: 1156207.4/69

In: 5.790+/-0.013 χ^2/NDF:1053540.1/55

Out: 6.112+/-0.013 χ^2/NDF:1240303.2/61

All: 5.953+/-0.009 χ^2/NDF: 2294151.4/117



Right In: -440.309+/-1.718 χ^2/NDF: 3596.5/32

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -445.669+/-1.610 χ^2/NDF: 6922.5/36

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

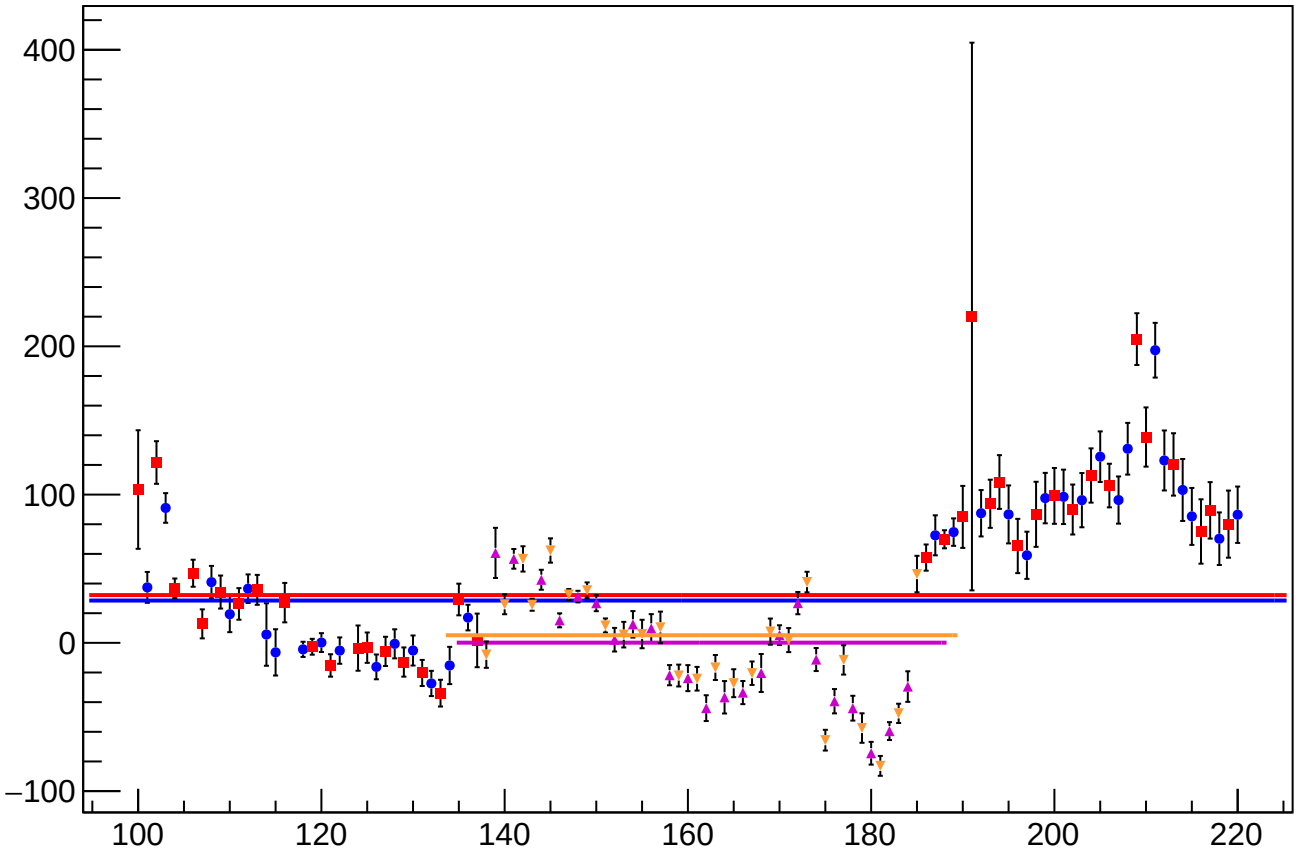
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -443.163+/-1.175 χ^2/NDF: 10524.2/69

In: -437.419+/-1.301 χ^2/NDF:6327.6/55

Out: -429.451+/-1.219 χ^2/NDF:11166.2/61

All: -433.176+/-0.890 χ^2/NDF: 17513.8/117



Right In: 28.537+/-1.964 χ^2/NDF: 563.4/32

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 32.213+/-1.857 χ^2/NDF: 602.8/36

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

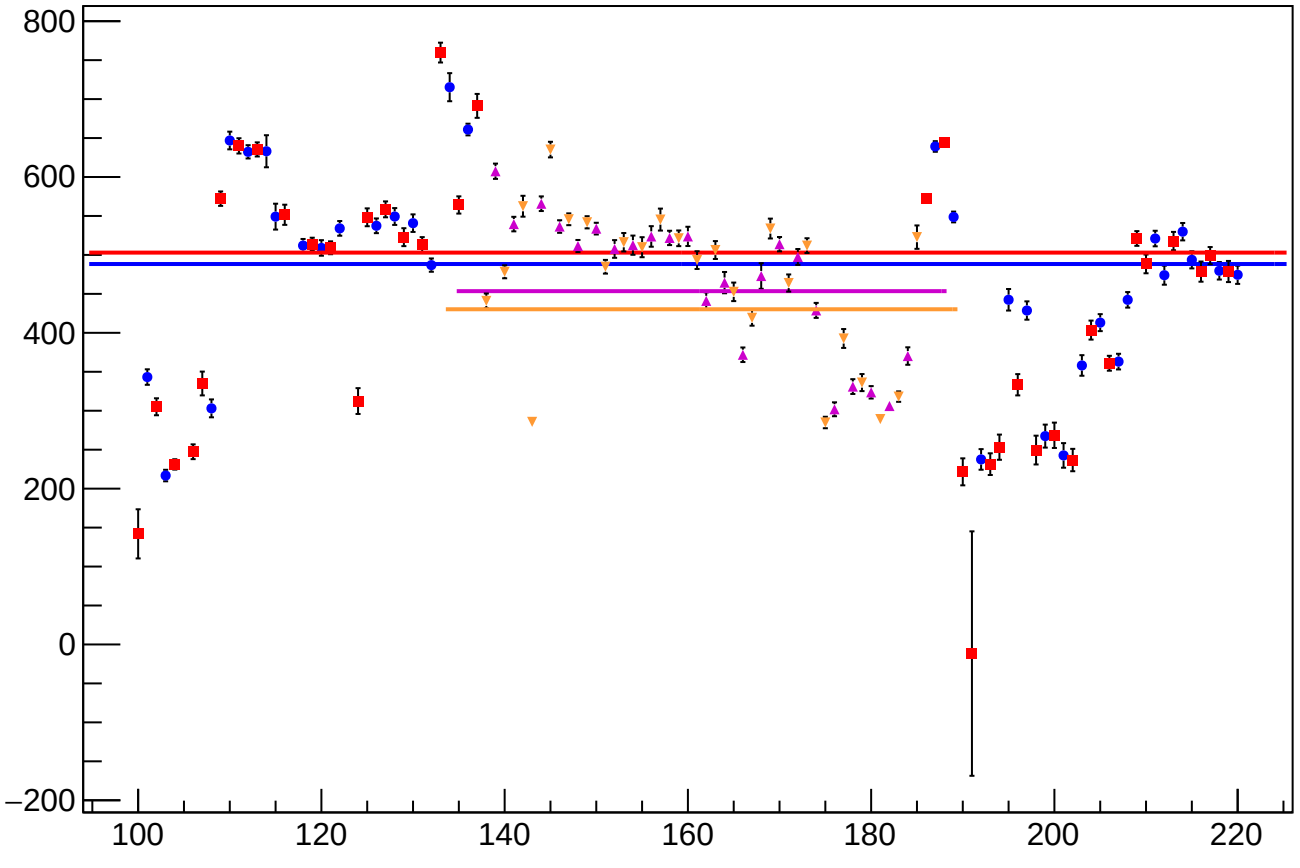
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 30.478+/-1.349 χ^2/NDF: 1168.1/69

In: 10.498+/-1.187 χ^2/NDF:1264.8/55

Out: 14.748+/-1.107 χ^2/NDF:1429.2/61

All: 12.771+/-0.809 χ^2/NDF: 2700.8/117



Right In: 488.310+/-1.789 χ^2/NDF: 4943.5/32

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 502.965+/-1.629 χ^2/NDF: 8080.5/36

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

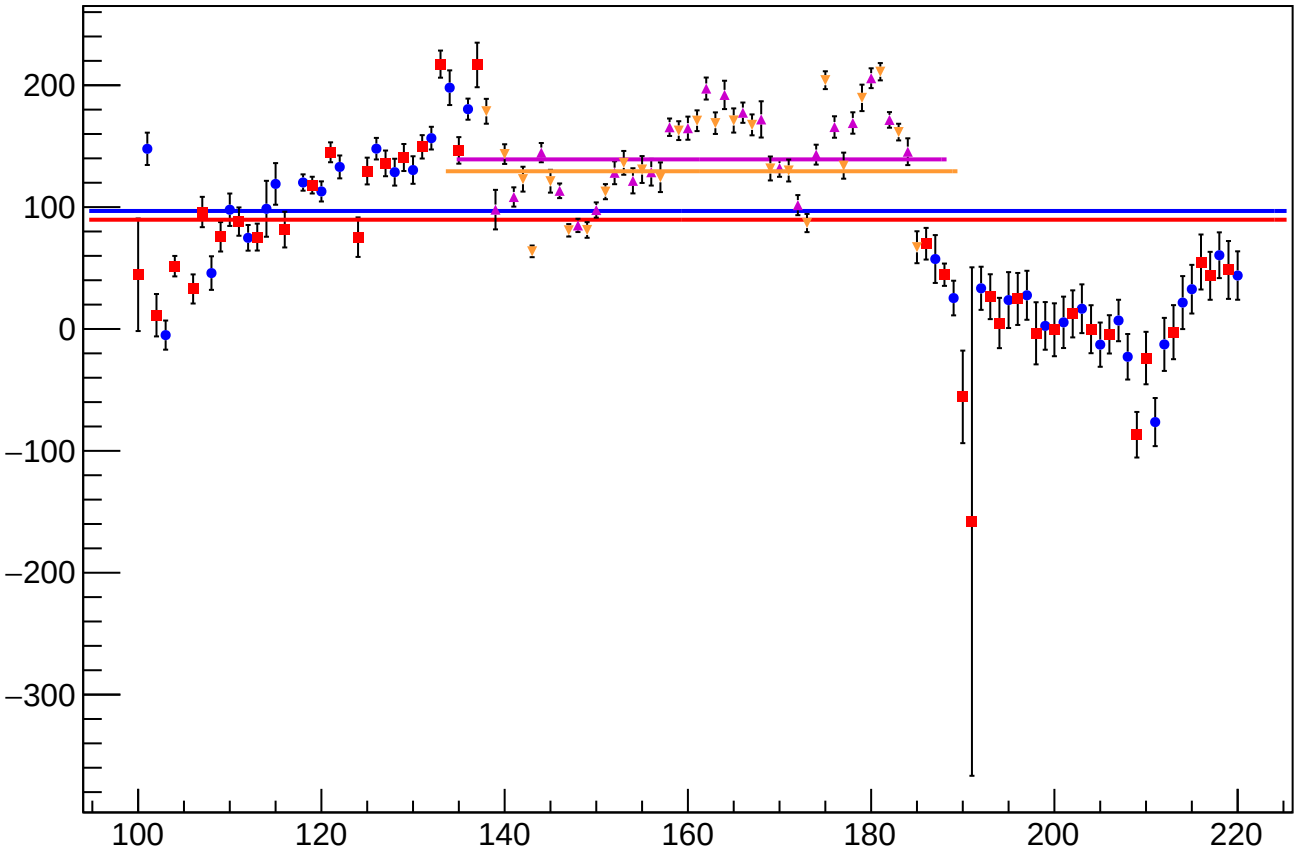
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 496.321+/-1.204 χ^2/NDF: 13060.6/69

In: 472.610+/-1.325 χ^2/NDF:7534.0/55

Out: 471.414+/-1.226 χ^2/NDF:12350.2/61

All: 471.966+/-0.900 χ^2/NDF: 19884.5/117



Right In: 96.836+/-2.286 χ^2/NDF: 736.3/32

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 89.651+/-2.199 χ^2/NDF: 760.5/36

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

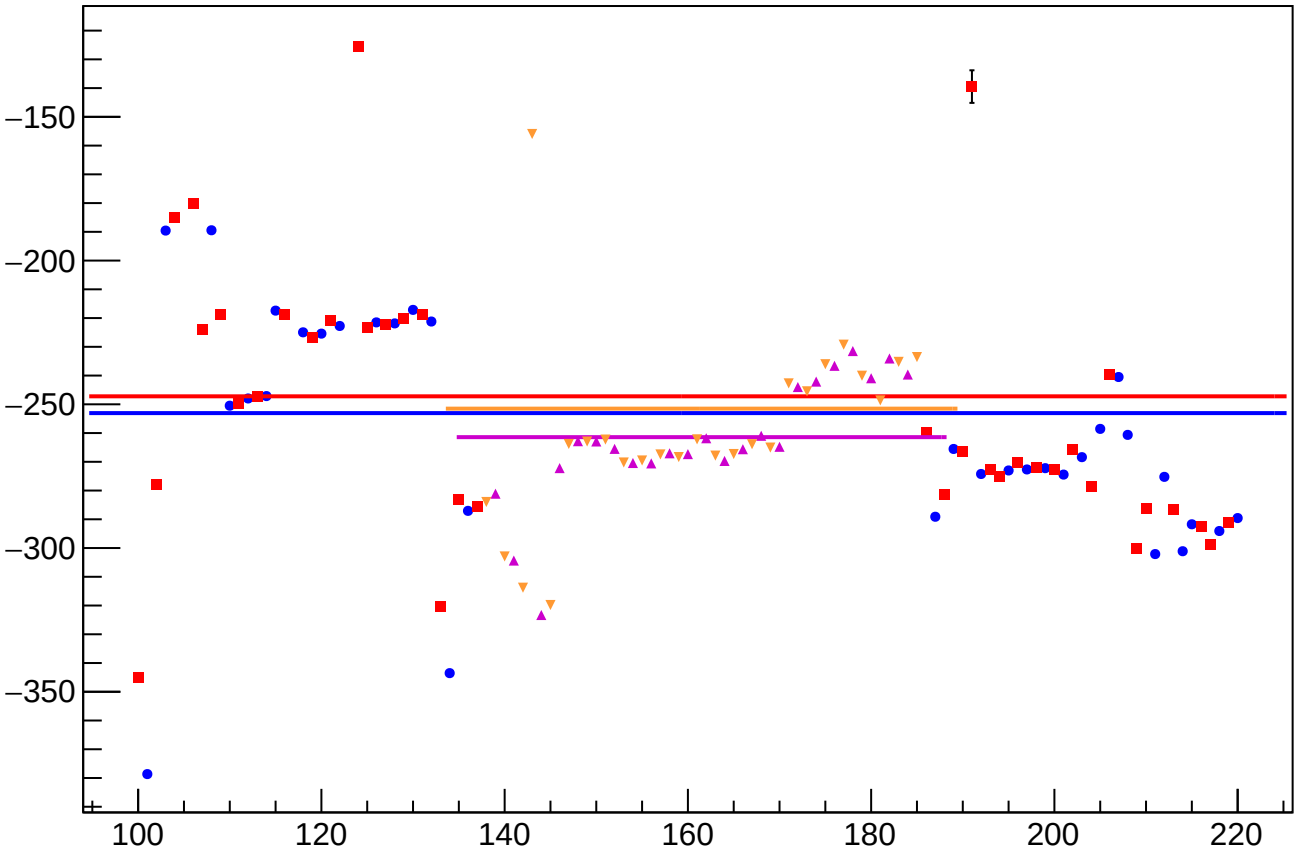
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 93.105+/-1.585 χ^2/NDF: 1501.9/69

In: 124.033+/-1.367 χ^2/NDF:1390.8/55

Out: 115.736+/-1.290 χ^2/NDF:1789.3/61

All: 119.645+/-0.938 χ^2/NDF: 3199.6/117



Right In: -253.060+/-0.117 χ^2/NDF: 157827.1/32

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -247.222+/-0.114 χ^2/NDF: 123901.4/36

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

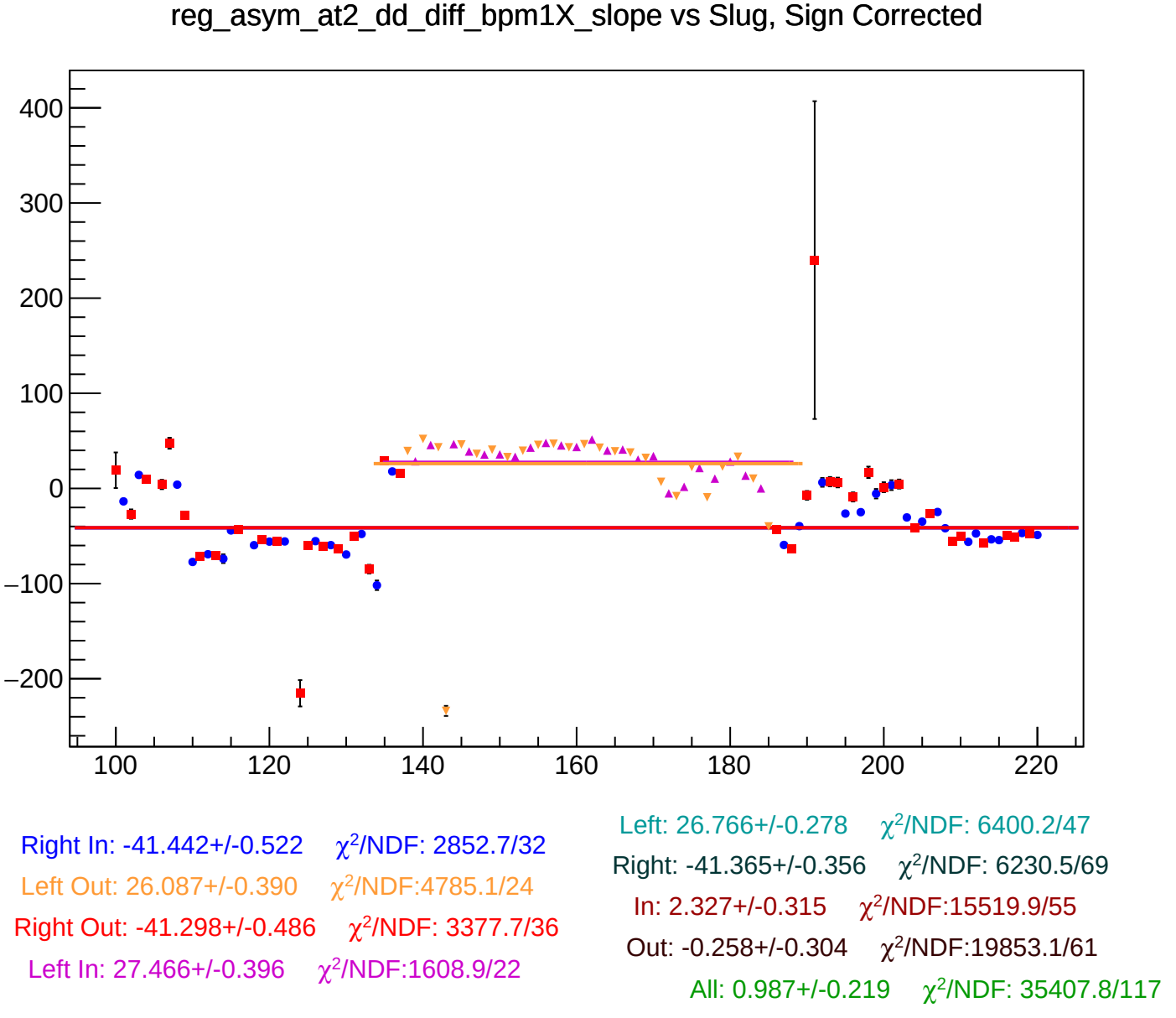
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

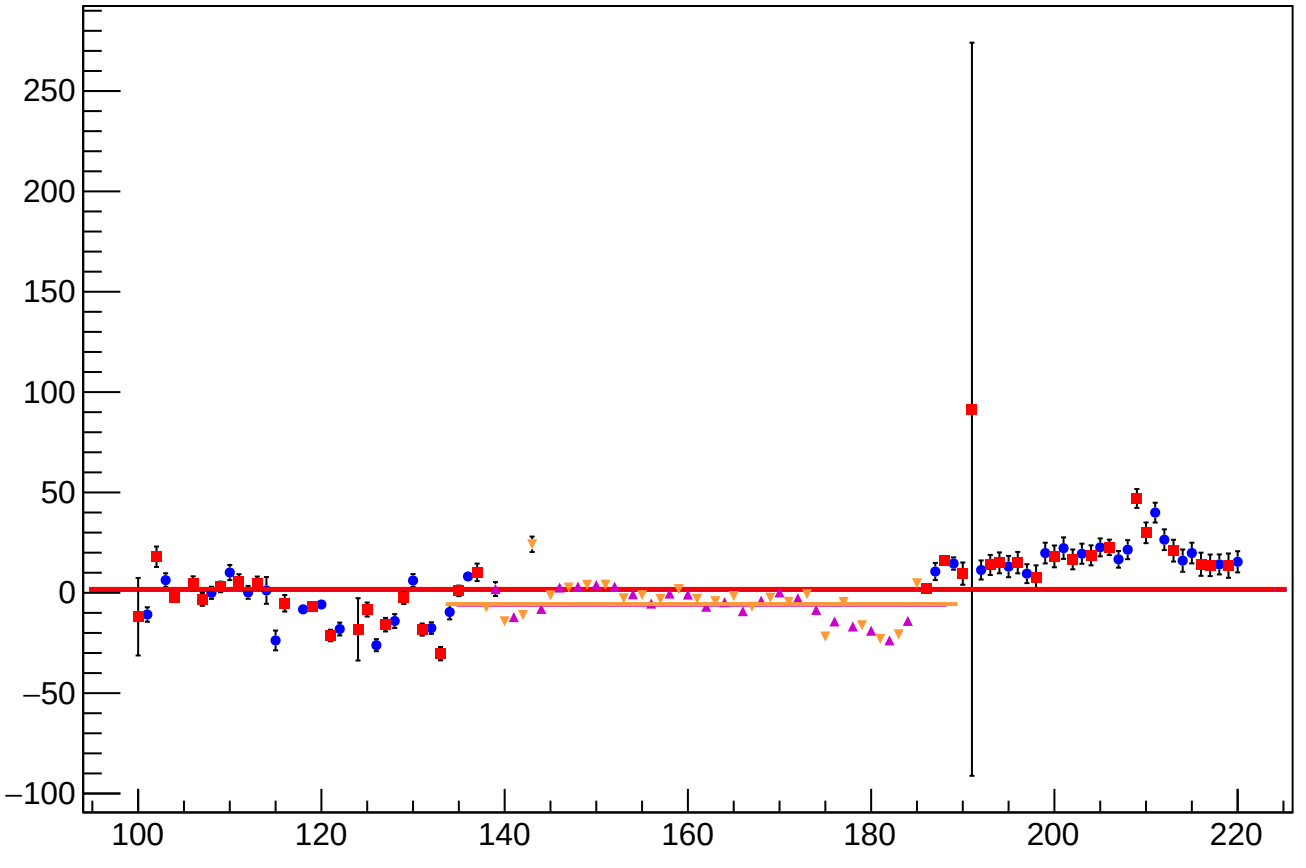
Right: -250.061+/-0.081 χ^2/NDF: 283012.2/69

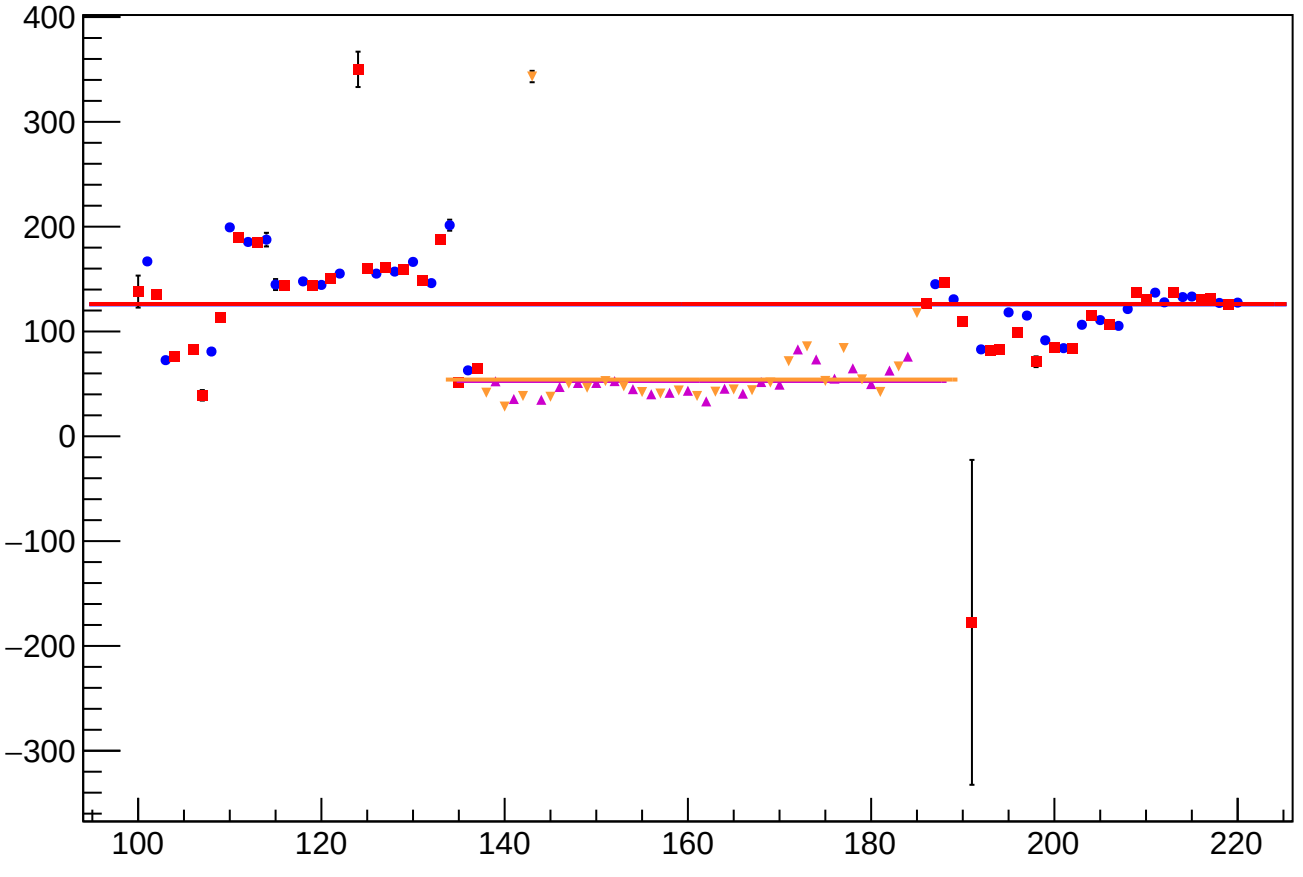
In: -258.850+/-0.065 χ^2/NDF:230936.7/55

Out: -250.217+/-0.062 χ^2/NDF:379820.2/61

All: -254.368+/-0.045 χ^2/NDF: 619973.0/117


reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
100
120
140
160
180
200
220
Right In: -41.442+/-0.522 χ²/NDF: 2852.7/32
Left Out: 26.087+/-0.390 χ²/NDF:4785.1/24
Right Out: -41.298+/-0.486 χ²/NDF: 3377.7/36
Left In: 27.466+/-0.396 χ²/NDF:1608.9/22
Left: 26.766+/-0.278 χ²/NDF: 6400.2/47
Right: -41.365+/-0.356 χ²/NDF: 6230.5/69
In: 2.327+/-0.315 χ²/NDF:15519.9/55
Out: -0.258+/-0.304 χ²/NDF:19853.1/61
All: 0.987+/-0.219 χ²/NDF: 35407.8/117


reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: 1.510+/-0.628 χ²/NDF: 533.4/32
Left Out: -5.625+/-0.302 χ²/NDF:893.3/24
Right Out: 1.950+/-0.592 χ²/NDF: 560.5/36
Left In: -5.940+/-0.309 χ²/NDF:712.2/22
Left: -5.779+/-0.216 χ²/NDF: 1606.1/47
Right: 1.743+/-0.431 χ²/NDF: 1094.1/69
In: -4.486+/-0.277 χ²/NDF:1359.0/55
Out: -4.063+/-0.269 χ²/NDF:1583.6/61
All: -4.268+/-0.193 χ²/NDF: 2943.8/117



Right In: 125.847+/-0.541 χ^2/NDF: 4148.8/32

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.234+/-0.495 χ^2/NDF: 4460.0/36

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

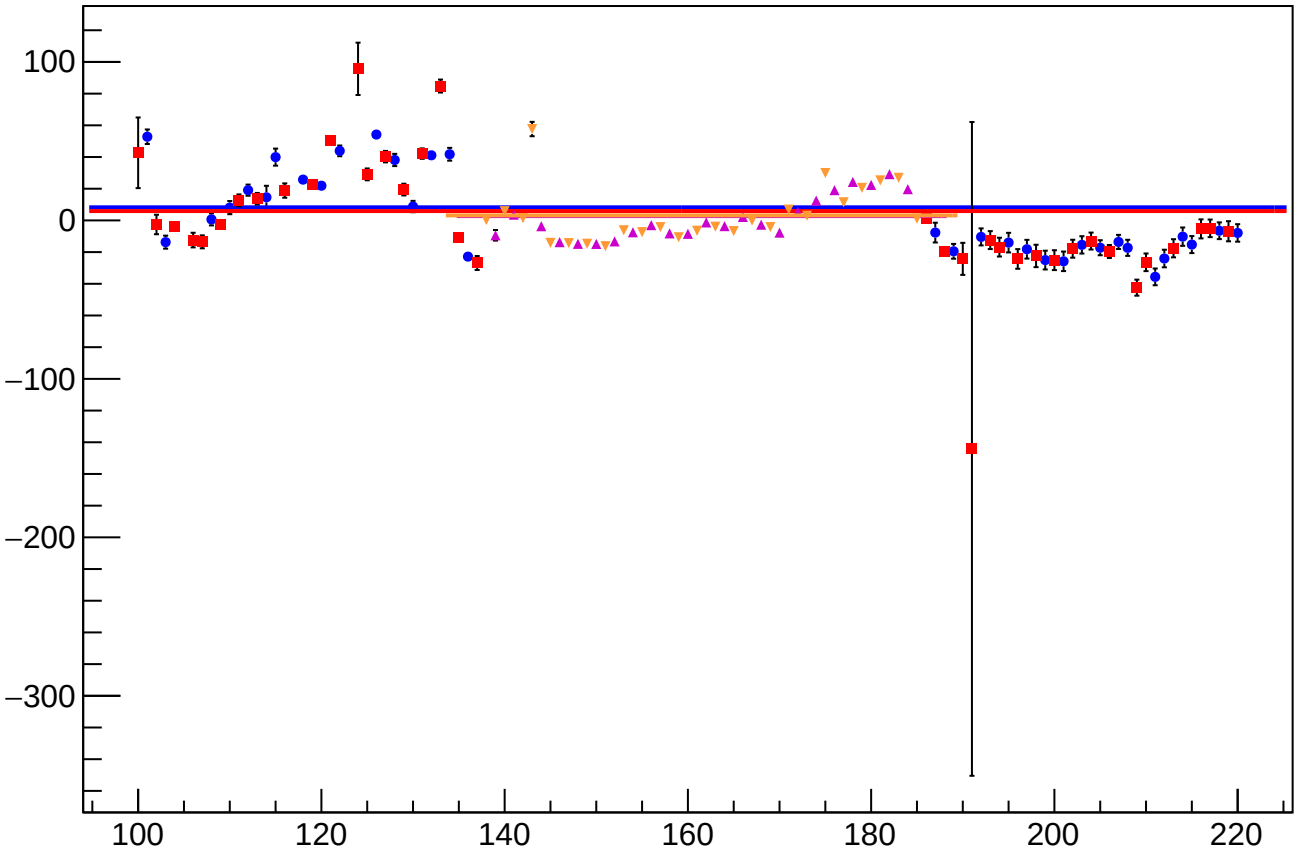
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.058+/-0.365 χ^2/NDF: 8609.1/69

In: 77.976+/-0.318 χ^2/NDF:17060.4/55

Out: 81.511+/-0.305 χ^2/NDF:22219.9/61

All: 79.817+/-0.220 χ^2/NDF: 39344.8/117



Right In: 8.263+/-0.719 χ^2/NDF: 1409.5/32

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 5.901+/-0.696 χ^2/NDF: 1479.7/36

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

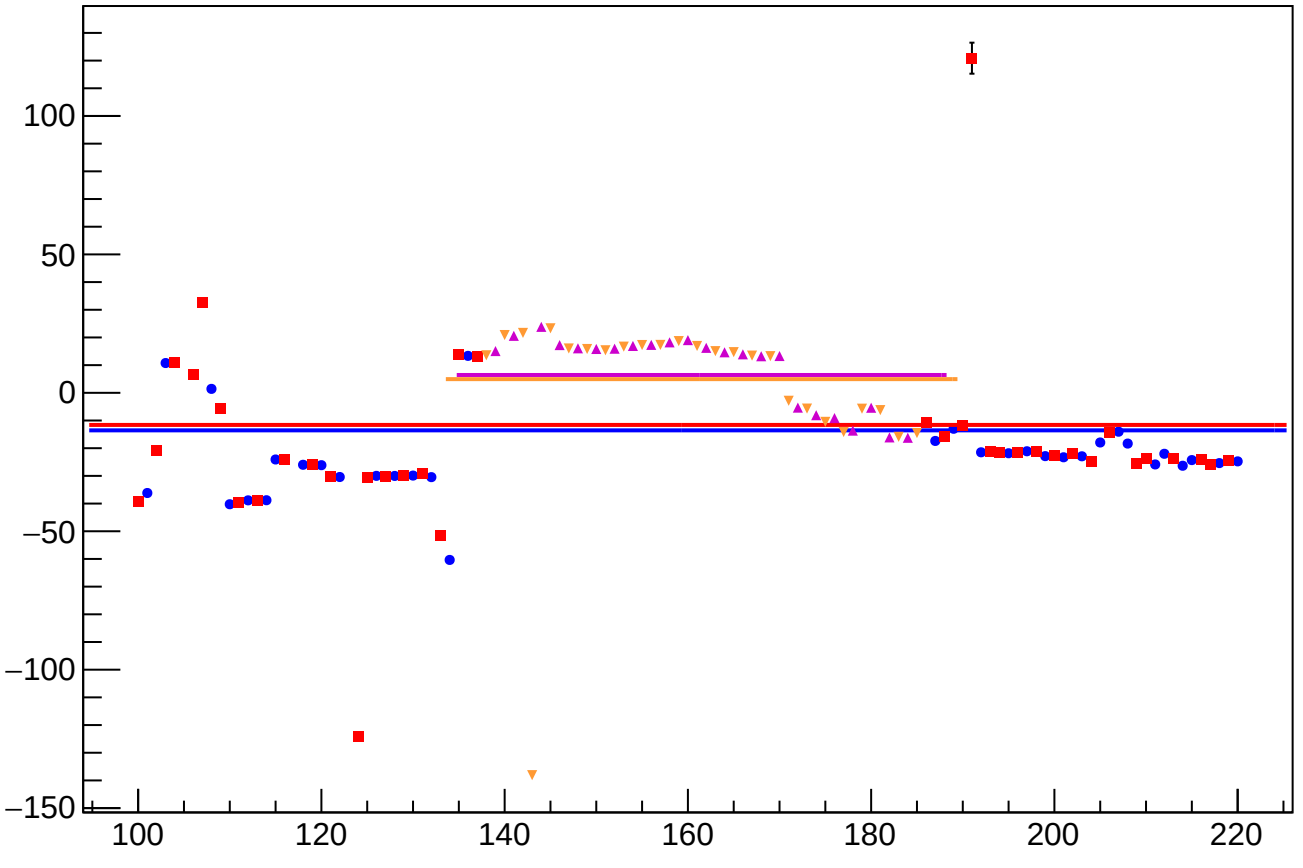
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.045+/-0.500 χ^2/NDF: 2894.7/69

In: 3.768+/-0.312 χ^2/NDF:3192.9/55

Out: 3.683+/-0.305 χ^2/NDF:3504.6/61

All: 3.725+/-0.218 χ^2/NDF: 6697.6/117



Right In: -13.556+/-0.034 χ^2/NDF: 306544.2/32

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.593+/-0.034 χ^2/NDF: 287041.7/36

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

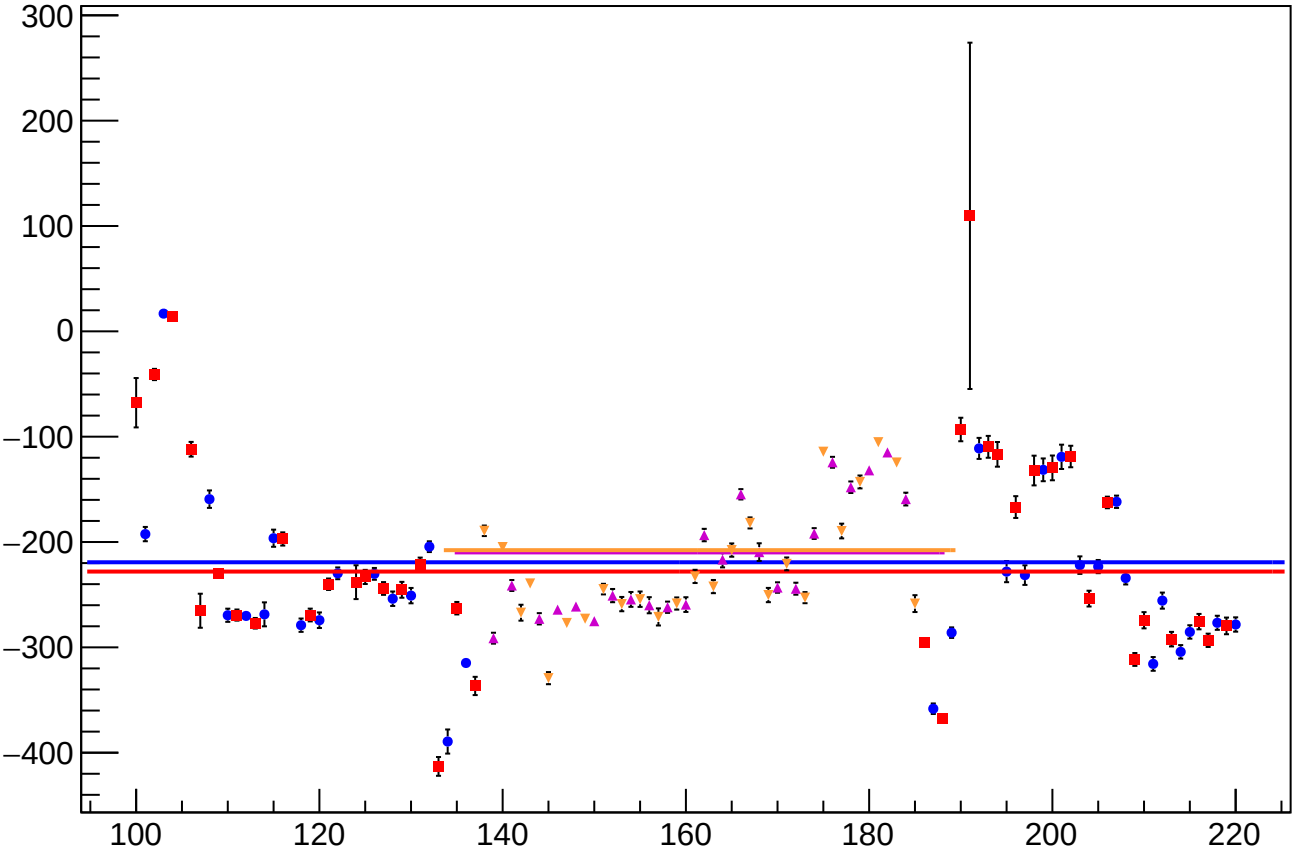
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.575+/-0.024 χ^2/NDF: 595207.1/69

In: 3.137+/-0.014 χ^2/NDF:1317430.9/55

Out: 2.250+/-0.014 χ^2/NDF:1616090.0/61

All: 2.690+/-0.010 χ^2/NDF: 2935537.5/117



Right In: -219.222+/-1.082 χ^2/NDF: 9605.5/32

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -228.050+/-1.017 χ^2/NDF: 12867.4/36

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

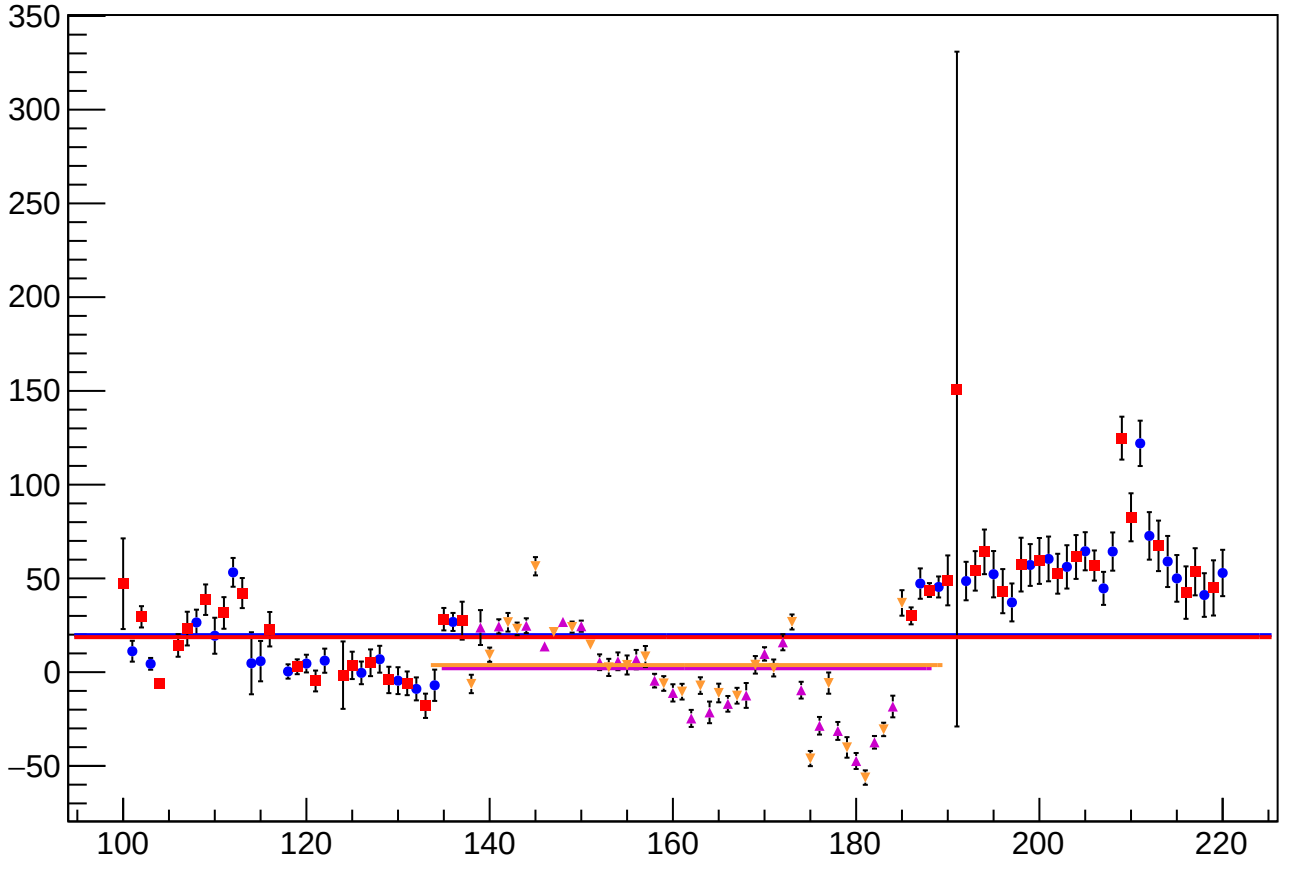
Right: -223.910+/-0.741 χ^2/NDF: 22508.2/69

In: -214.630+/-0.772 χ^2/NDF:12654.0/55

Out: -218.410+/-0.737 χ^2/NDF:16543.8/61

All: -216.607+/-0.533 χ^2/NDF: 29210.4/117

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.745+/-1.240 χ^2/NDF: 392.6/32

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.668+/-1.137 χ^2/NDF: 522.1/36

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

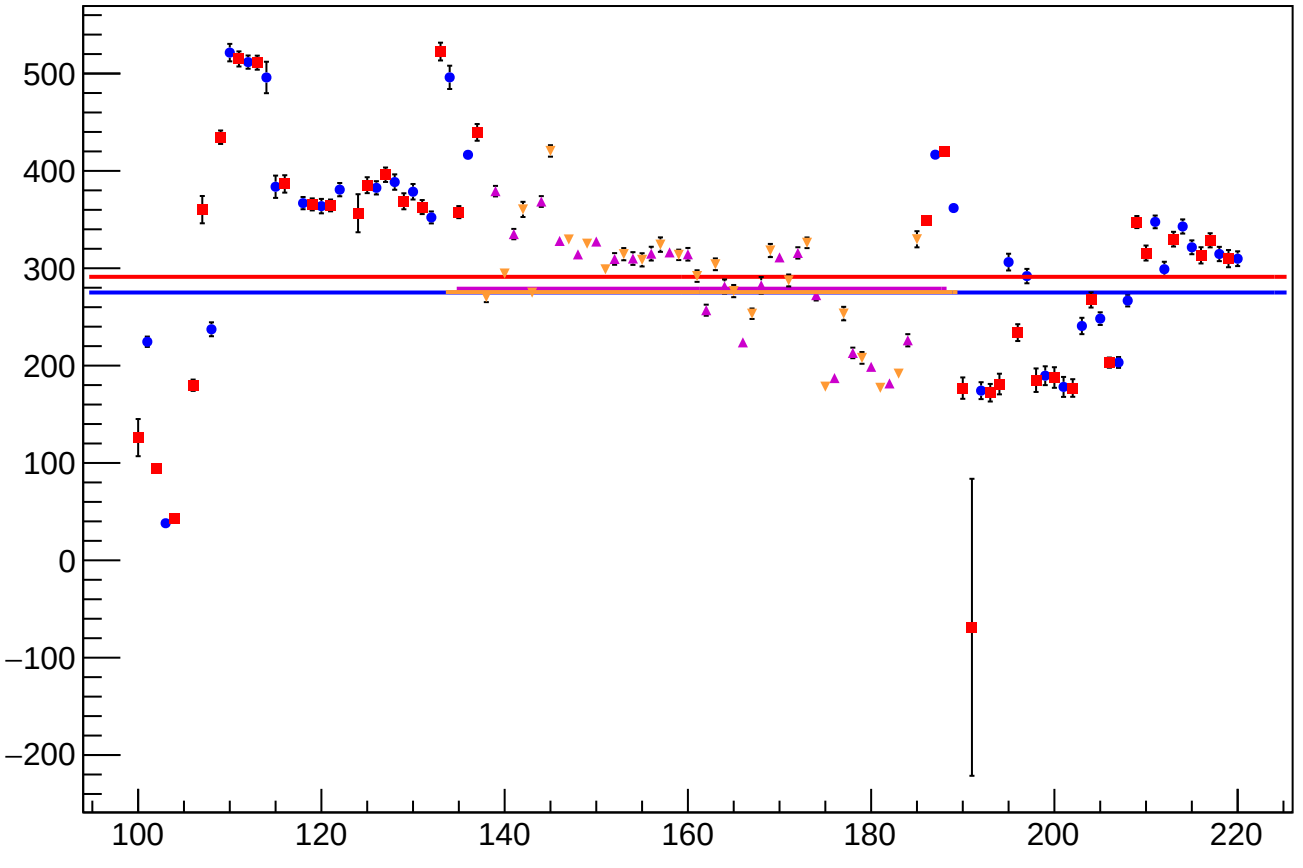
Right: 19.160+/-0.838 χ^2/NDF: 915.2/69

In: 7.453+/-0.684 χ^2/NDF:1304.0/55

Out: 8.599+/-0.647 χ^2/NDF:1610.3/61

All: 8.058+/-0.470 χ^2/NDF: 2915.8/117

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 275.082+/-1.060 χ^2/NDF: 18100.5/32

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 291.193+/-0.968 χ^2/NDF: 22330.8/36

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

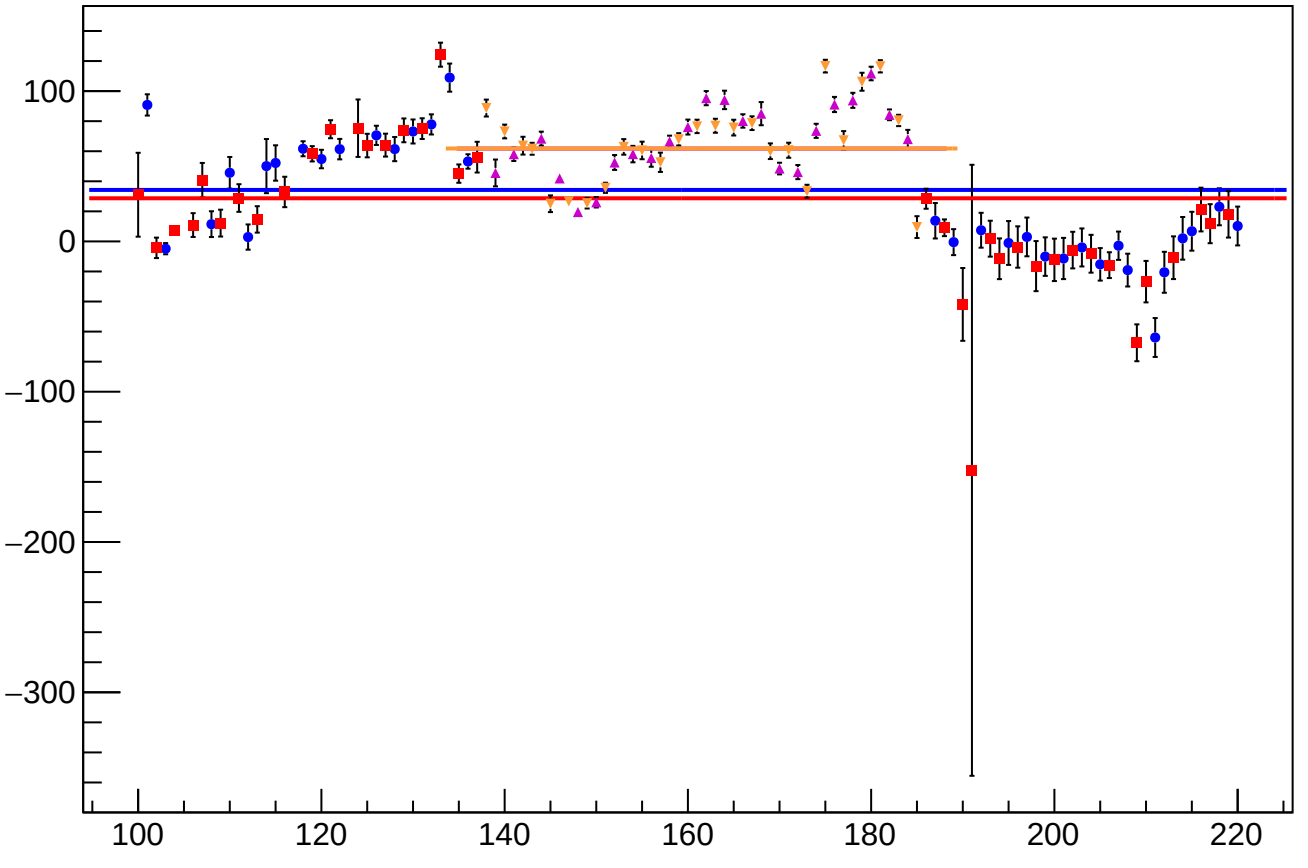
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 283.869+/-0.715 χ^2/NDF: 40557.2/69

In: 276.983+/-0.760 χ^2/NDF:21221.7/55

Out: 284.090+/-0.715 χ^2/NDF:25772.7/61

All: 280.750+/-0.521 χ^2/NDF: 47040.8/117



Right In: 34.257+/-1.445 χ^2/NDF: 661.6/32

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 28.693+/-1.369 χ^2/NDF: 647.2/36

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

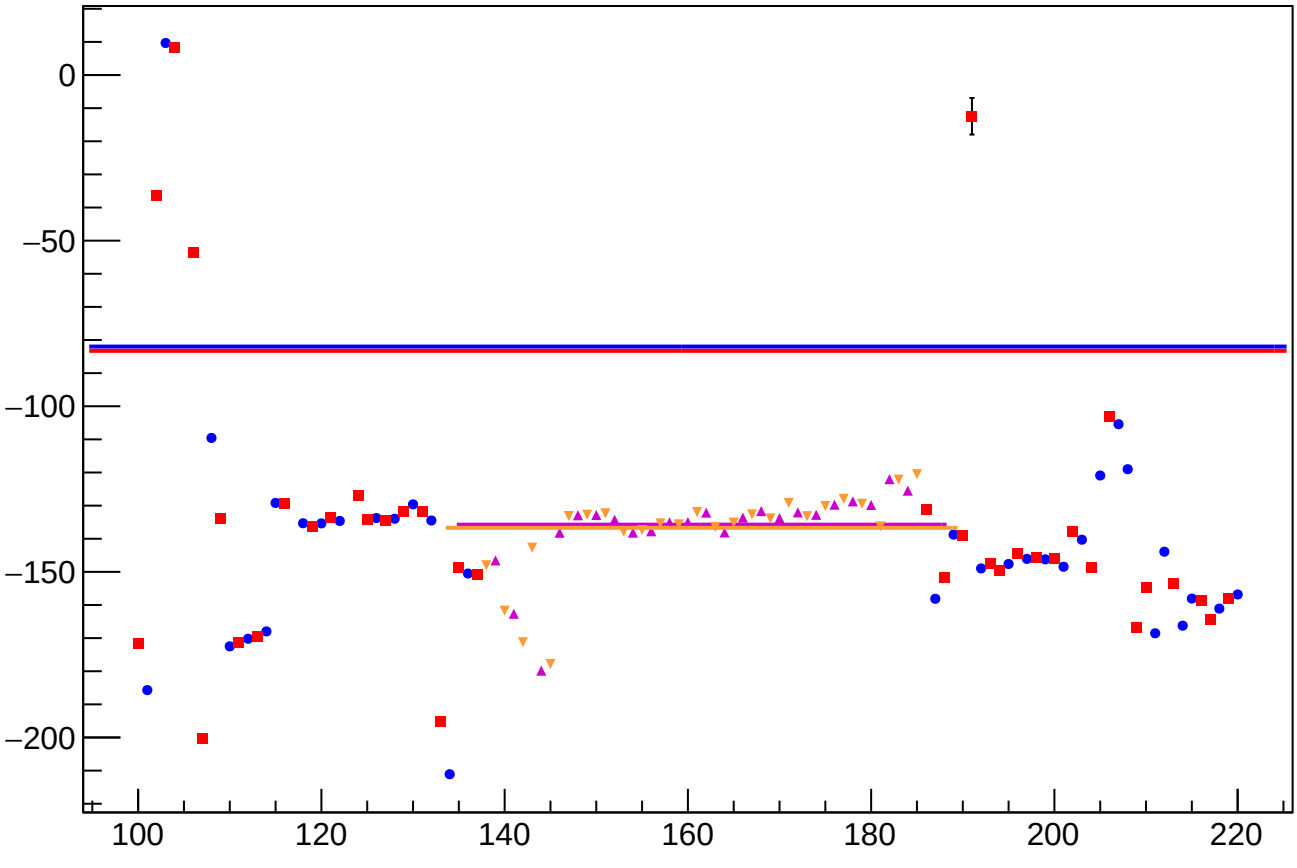
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.324+/-0.994 χ^2/NDF: 1316.6/69

In: 53.599+/-0.787 χ^2/NDF:1652.4/55

Out: 51.700+/-0.756 χ^2/NDF:2013.6/61

All: 52.612+/-0.545 χ^2/NDF: 3669.1/117



Right In: -81.982+/-0.062 χ^2/NDF: 1605165.4/32

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -83.262+/-0.062 χ^2/NDF: 1289170.1/36

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

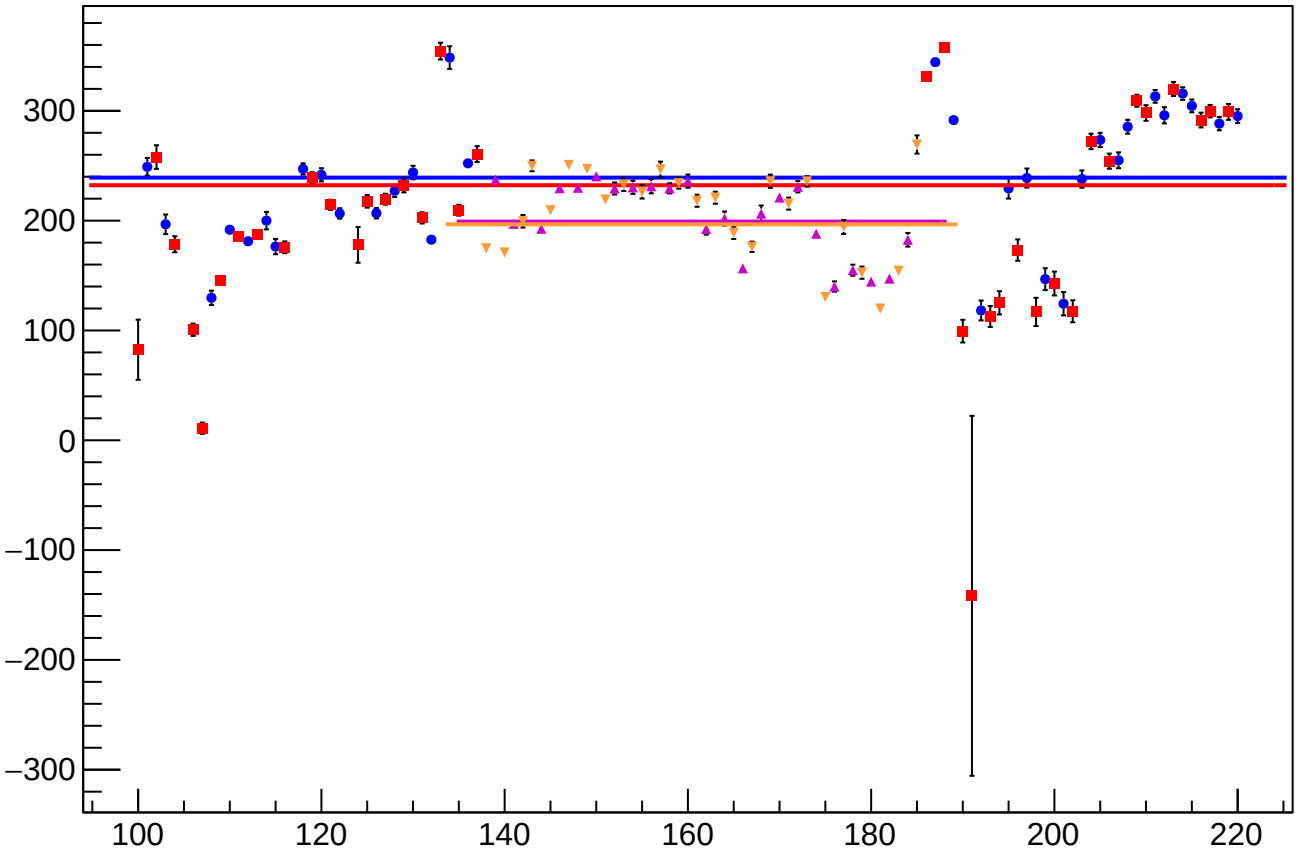
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -82.617+/-0.044 χ^2/NDF: 2894550.2/69

In: -118.208+/-0.035 χ^2/NDF:2183444.0/55

Out: -119.742+/-0.035 χ^2/NDF:1875710.6/61

All: -118.980+/-0.025 χ^2/NDF: 4060113.6/11



Right In: 239.173+/-1.003 χ^2/NDF: 3067.1/32

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 232.271+/-0.914 χ^2/NDF: 9058.8/36

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

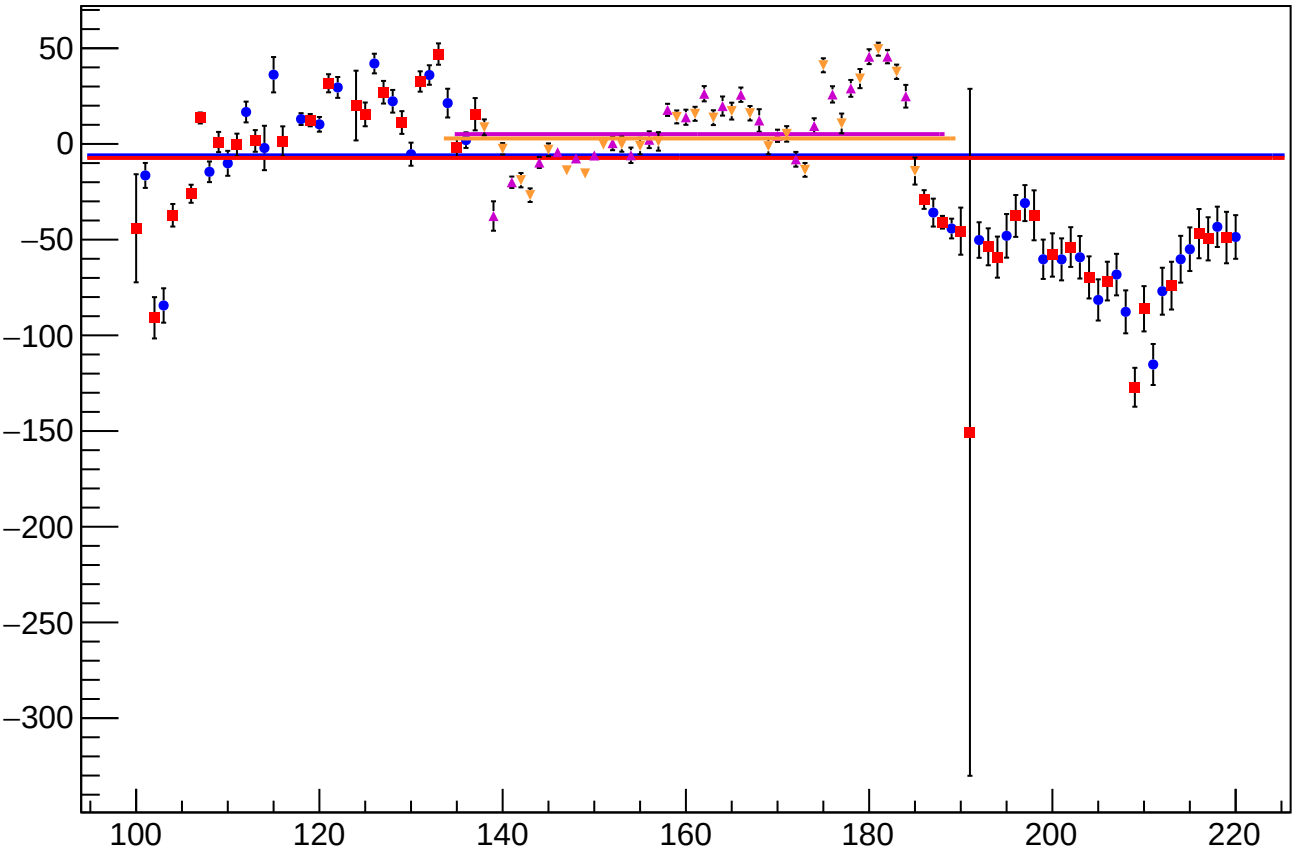
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 235.401+/-0.676 χ^2/NDF: 12151.8/69

In: 218.544+/-0.698 χ^2/NDF:5181.8/55

Out: 215.062+/-0.657 χ^2/NDF:11868.7/61

All: 216.698+/-0.479 χ^2/NDF: 17063.6/117



Right In: -5.965+/-1.157 χ^2/NDF: 940.8/32

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -7.306+/-1.044 χ^2/NDF: 1038.6/36

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

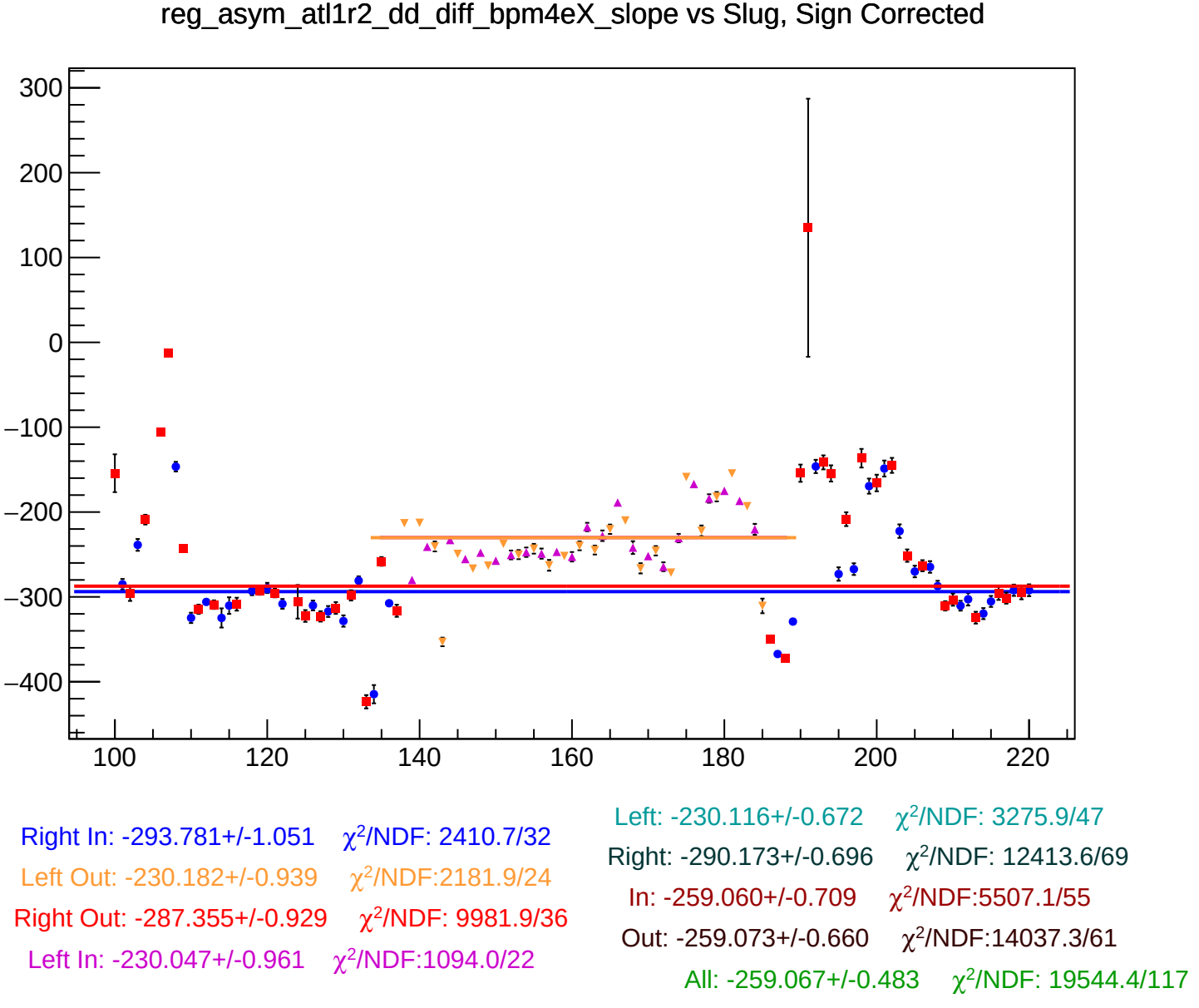
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

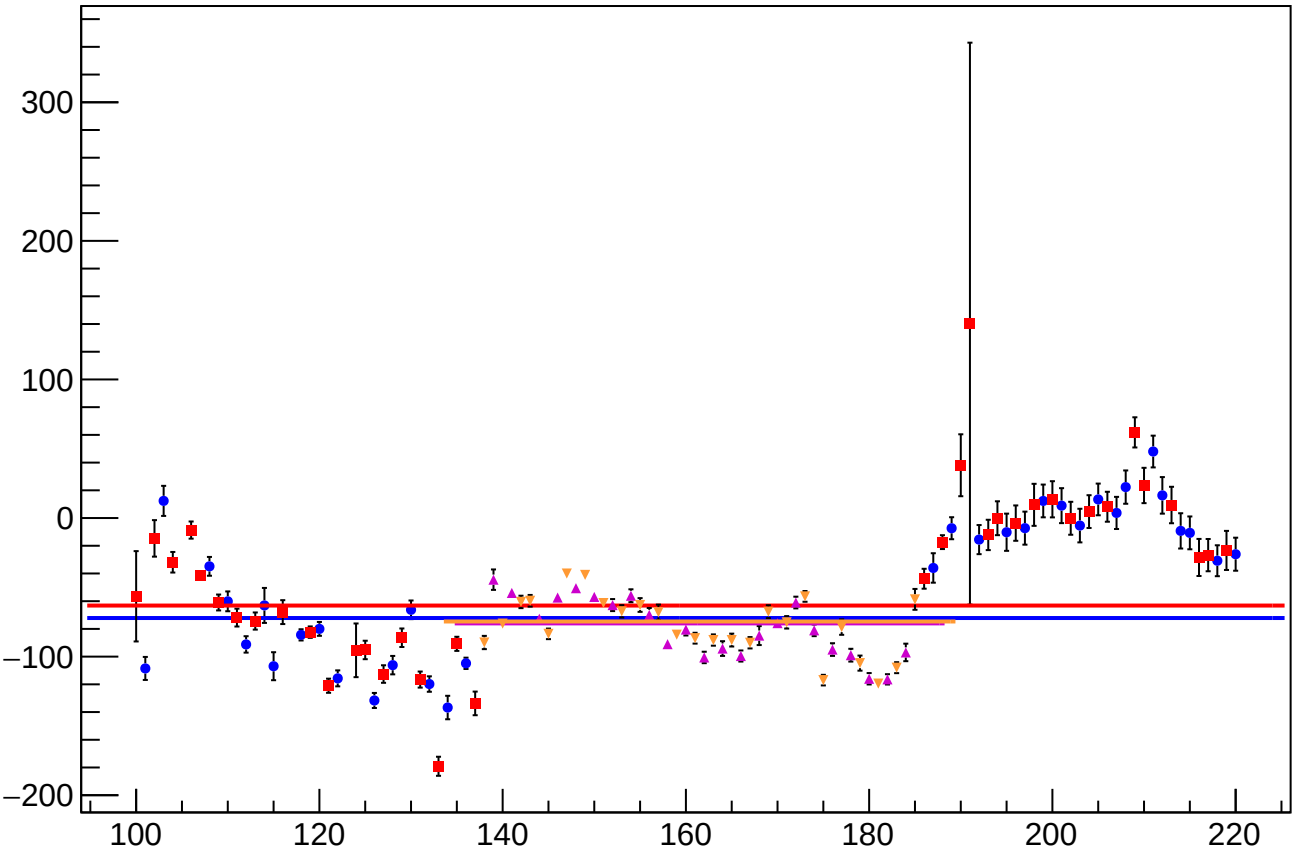
Right: -6.704+/-0.775 χ^2/NDF: 1980.2/69

In: 2.042+/-0.610 χ^2/NDF:1635.8/55

Out: -0.243+/-0.577 χ^2/NDF:1857.3/61

All: 0.837+/-0.419 χ^2/NDF: 3500.5/117


reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
300
200
100
0
−100
−200
−300
−400
100
120
140
160
180
200
220
Right In: -293.781+/-1.051 χ²/NDF: 2410.7/32
Left Out: -230.182+/-0.939 χ²/NDF:2181.9/24
Right Out: -287.355+/-0.929 χ²/NDF: 9981.9/36
Left In: -230.047+/-0.961 χ²/NDF:1094.0/22
Left: -230.116+/-0.672 χ²/NDF: 3275.9/47
Right: -290.173+/-0.696 χ²/NDF: 12413.6/69
In: -259.060+/-0.709 χ²/NDF:5507.1/55
Out: -259.073+/-0.660 χ²/NDF:14037.3/61
All: -259.067+/-0.483 χ²/NDF: 19544.4/117



Right In: -72.149+/-1.342 χ^2/NDF: 1222.7/32

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -63.150+/-1.243 χ^2/NDF: 1442.7/36

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

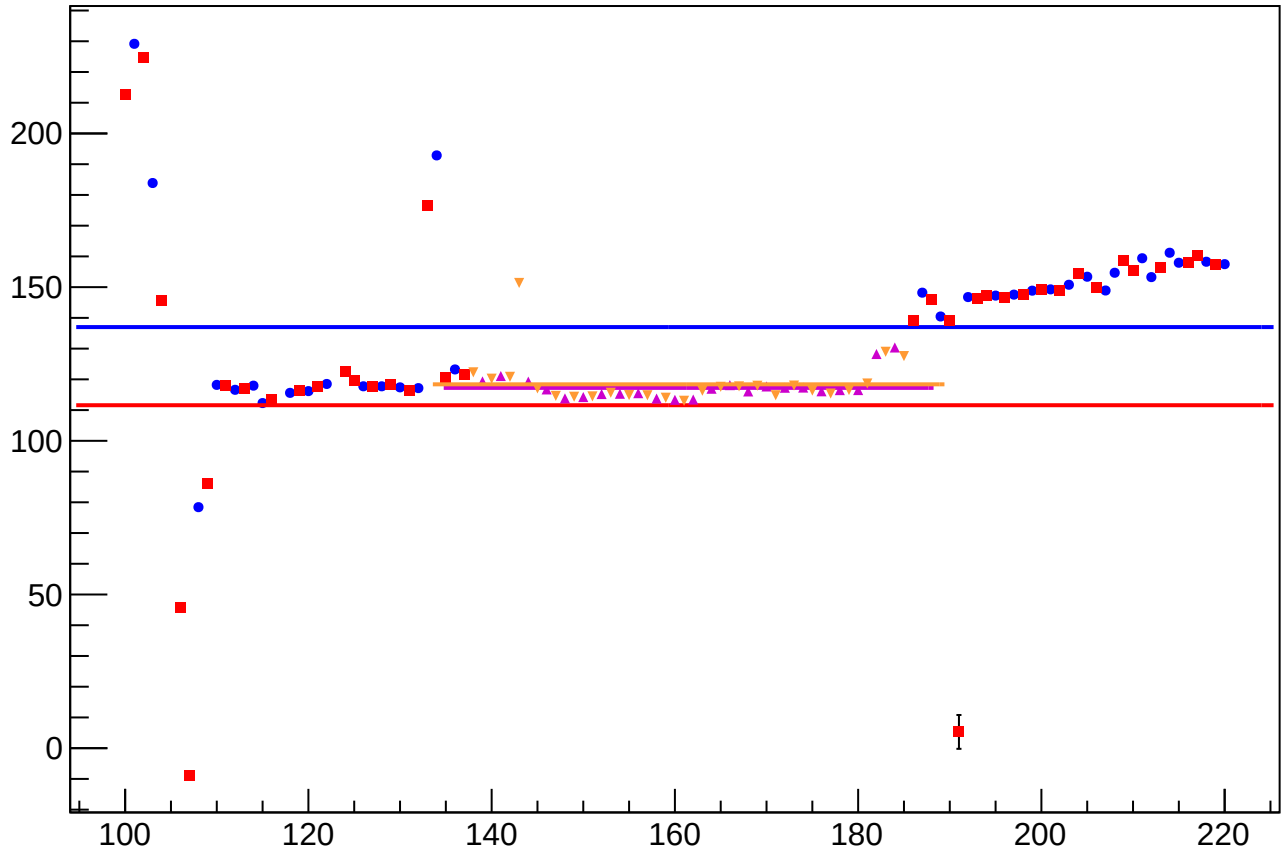
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -67.305+/-0.912 χ^2/NDF: 2689.6/69

In: -74.964+/-0.702 χ^2/NDF:1874.8/55

Out: -71.273+/-0.673 χ^2/NDF:2334.1/61

All: -73.040+/-0.486 χ^2/NDF: 4223.3/117



Right In: 137.006+/-0.070 χ^2/NDF: 207790.6/32

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 111.583+/-0.064 χ^2/NDF: 793518.2/36

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

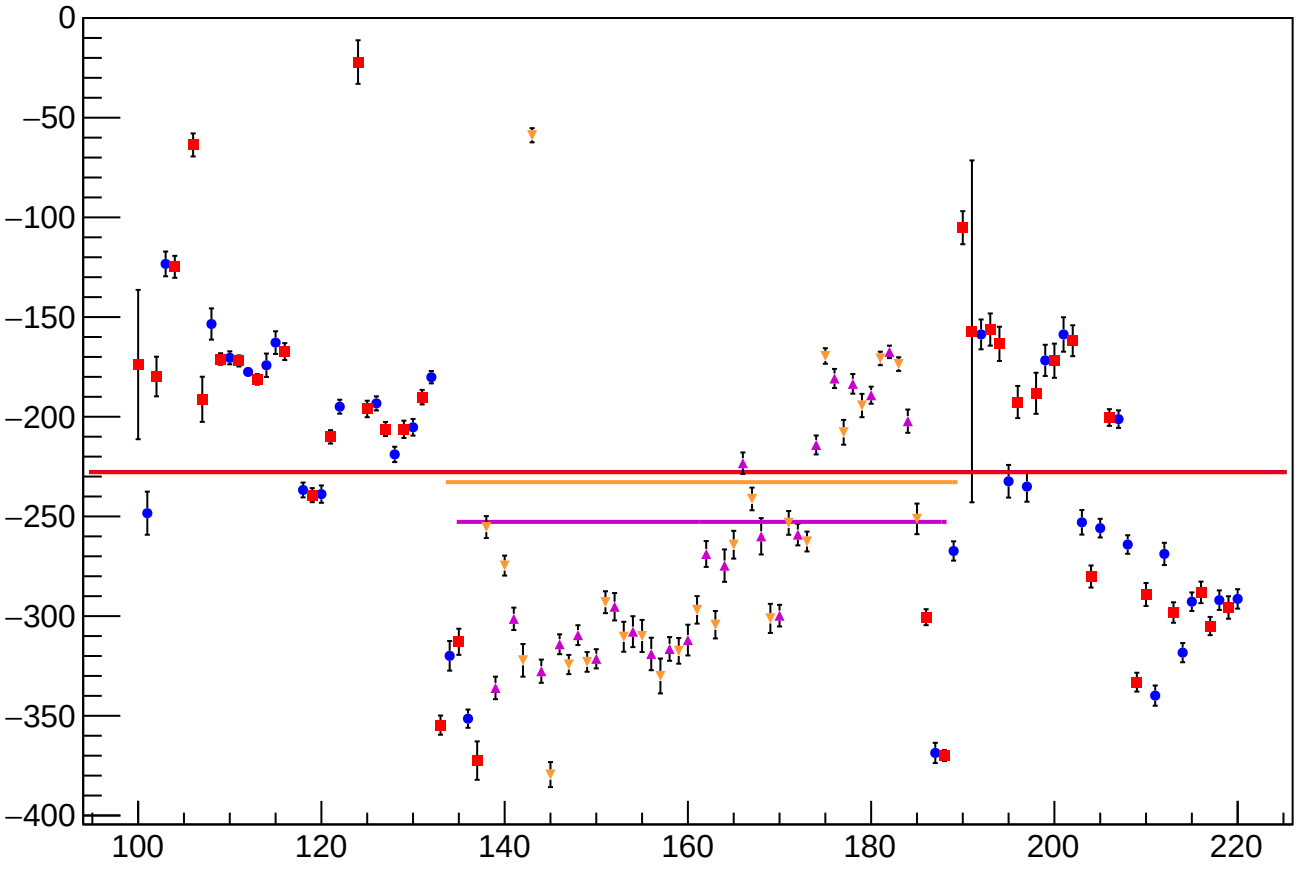
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 123.148+/-0.047 χ^2/NDF: 1073801.2/69

In: 121.683+/-0.033 χ^2/NDF:280386.7/55

Out: 116.647+/-0.032 χ^2/NDF:836944.8/61

All: 119.094+/-0.023 χ^2/NDF: 1129237.7/117



Right In: -227.718+/-0.809 χ^2/NDF: 5295.1/32

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -227.831+/-0.775 χ^2/NDF: 9234.4/36

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

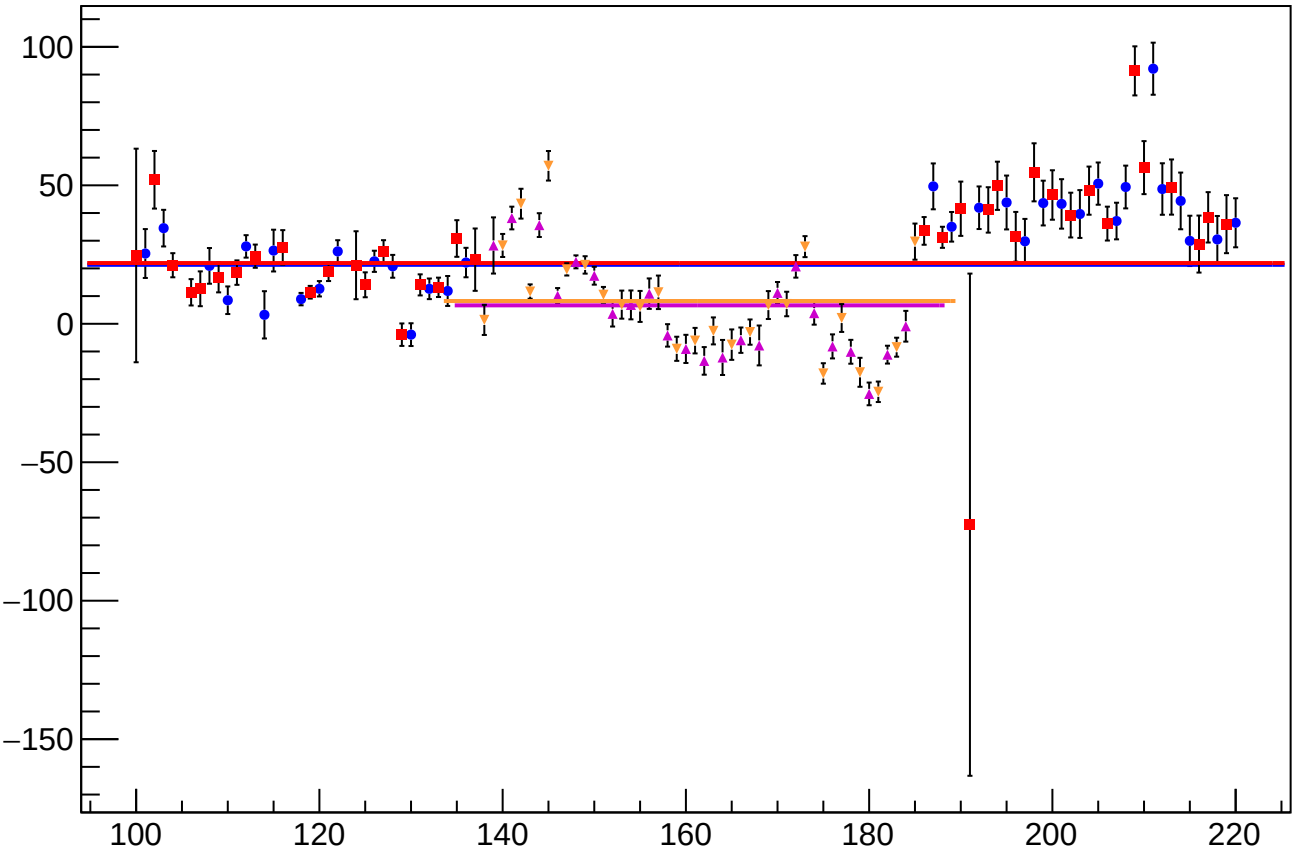
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -227.777+/-0.560 χ^2/NDF: 14529.5/69

In: -236.186+/-0.658 χ^2/NDF:8532.9/55

Out: -229.537+/-0.628 χ^2/NDF:15012.4/61

All: -232.708+/-0.454 χ^2/NDF: 23598.8/117



Right In: 21.294+/-0.923 χ^2/NDF: 265.8/32

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.938+/-0.901 χ^2/NDF: 254.2/36

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

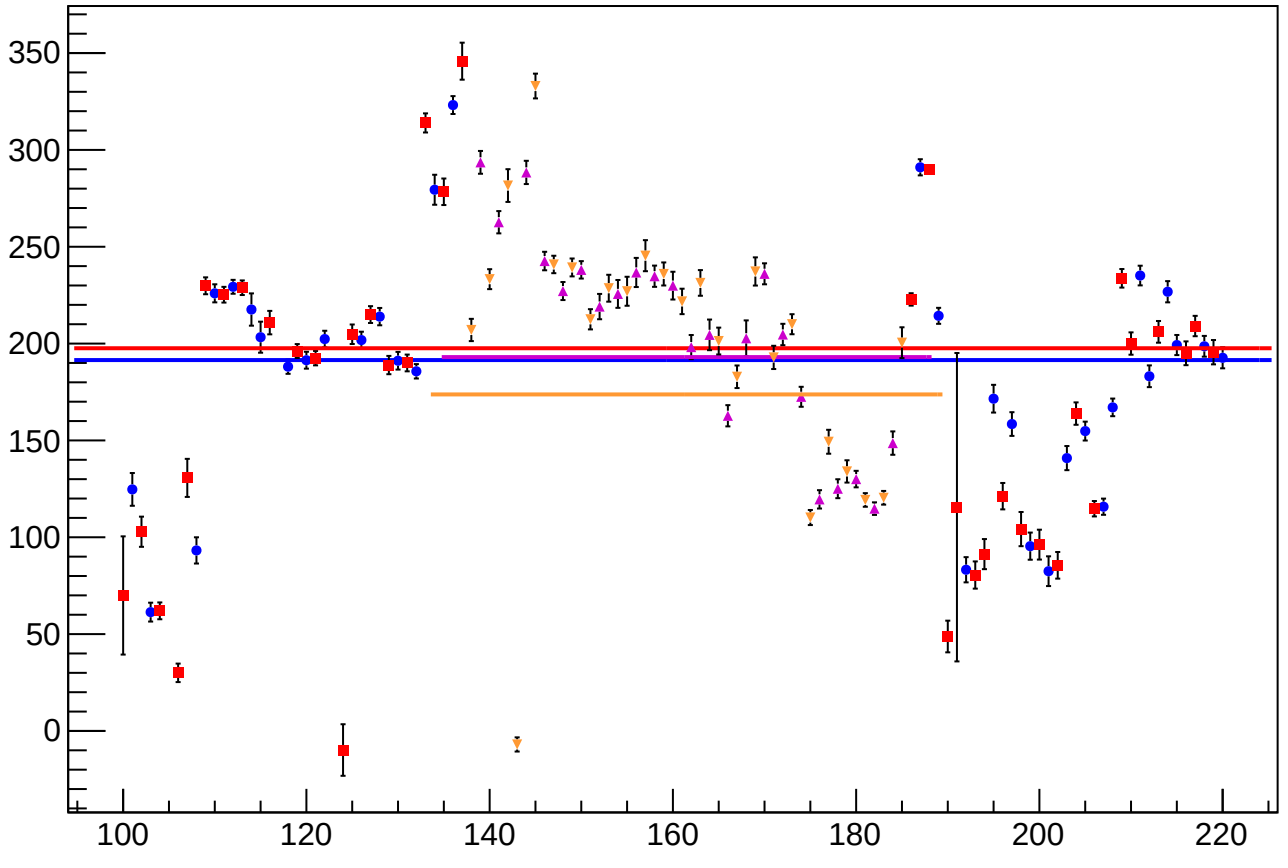
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 21.624+/-0.645 χ^2/NDF: 520.3/69

In: 13.441+/-0.629 χ^2/NDF:755.4/55

Out: 14.292+/-0.599 χ^2/NDF:841.3/61

All: 13.887+/-0.434 χ^2/NDF: 1597.7/117



Right In: 191.491+/-0.875 χ^2/NDF: 4052.1/32

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.596+/-0.825 χ^2/NDF: 7617.1/36

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

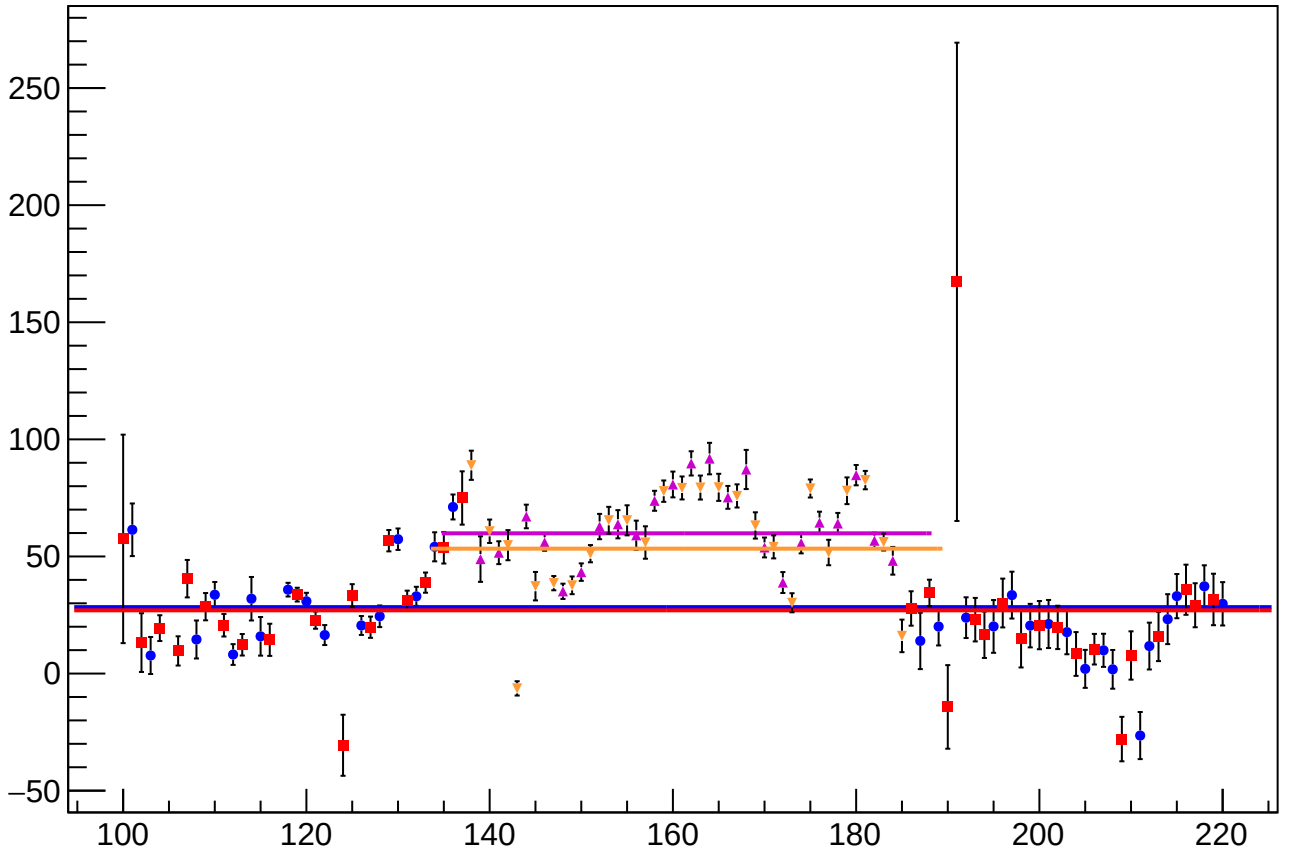
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.724+/-0.600 χ^2/NDF: 11695.0/69

In: 192.072+/-0.690 χ^2/NDF:6565.3/55

Out: 188.692+/-0.653 χ^2/NDF:13189.8/61

All: 190.289+/-0.474 χ^2/NDF: 19767.7/117



Right In: 28.363+/-1.069 χ^2/NDF: 252.6/32

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.996+/-1.052 χ^2/NDF: 206.3/36

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

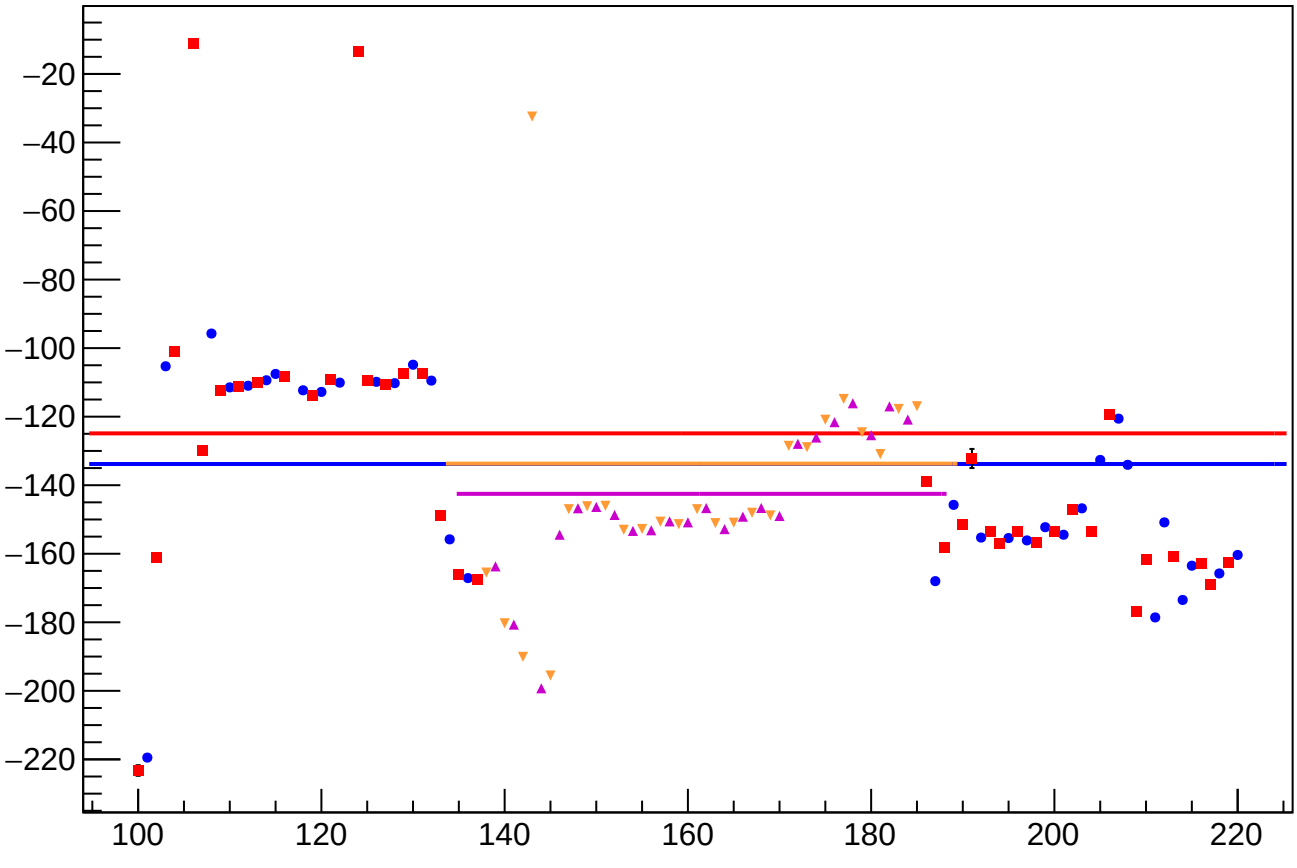
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.669+/-0.750 χ^2/NDF: 459.7/69

In: 45.542+/-0.721 χ^2/NDF:977.7/55

Out: 41.897+/-0.693 χ^2/NDF:1339.6/61

All: 43.648+/-0.500 χ^2/NDF: 2330.6/117



Right In: -133.812+/-0.059 χ^2/NDF: 201541.8/32

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -124.876+/-0.057 χ^2/NDF: 536403.3/36

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

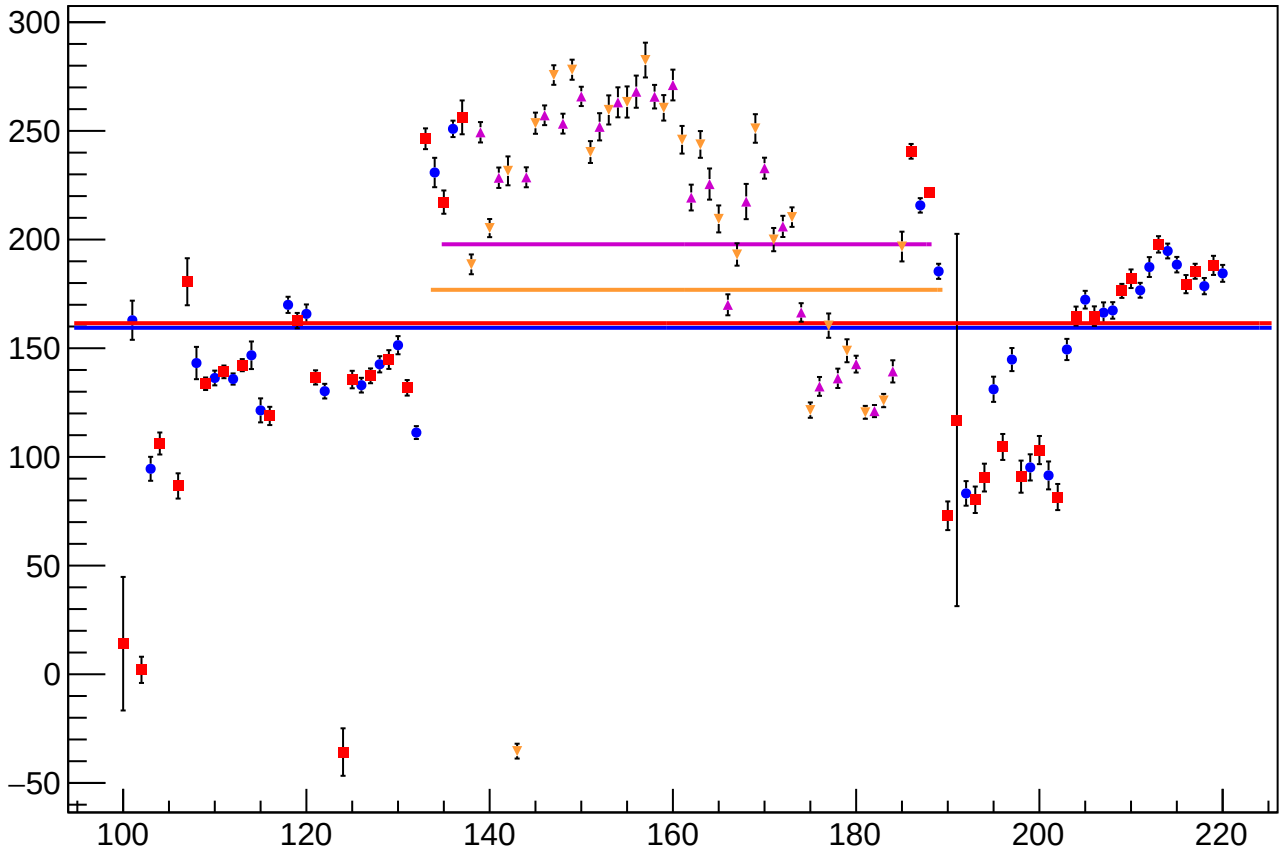
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -129.193+/-0.041 χ^2/NDF: 749899.2/69

In: -139.353+/-0.035 χ^2/NDF:393993.3/55

Out: -130.507+/-0.034 χ^2/NDF:1227744.0/61

All: -134.773+/-0.025 χ^2/NDF: 1654000.3/11



Right In: 159.416+/-0.713 χ^2/NDF: 2561.8/32

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 161.524+/-0.678 χ^2/NDF: 5293.5/36

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

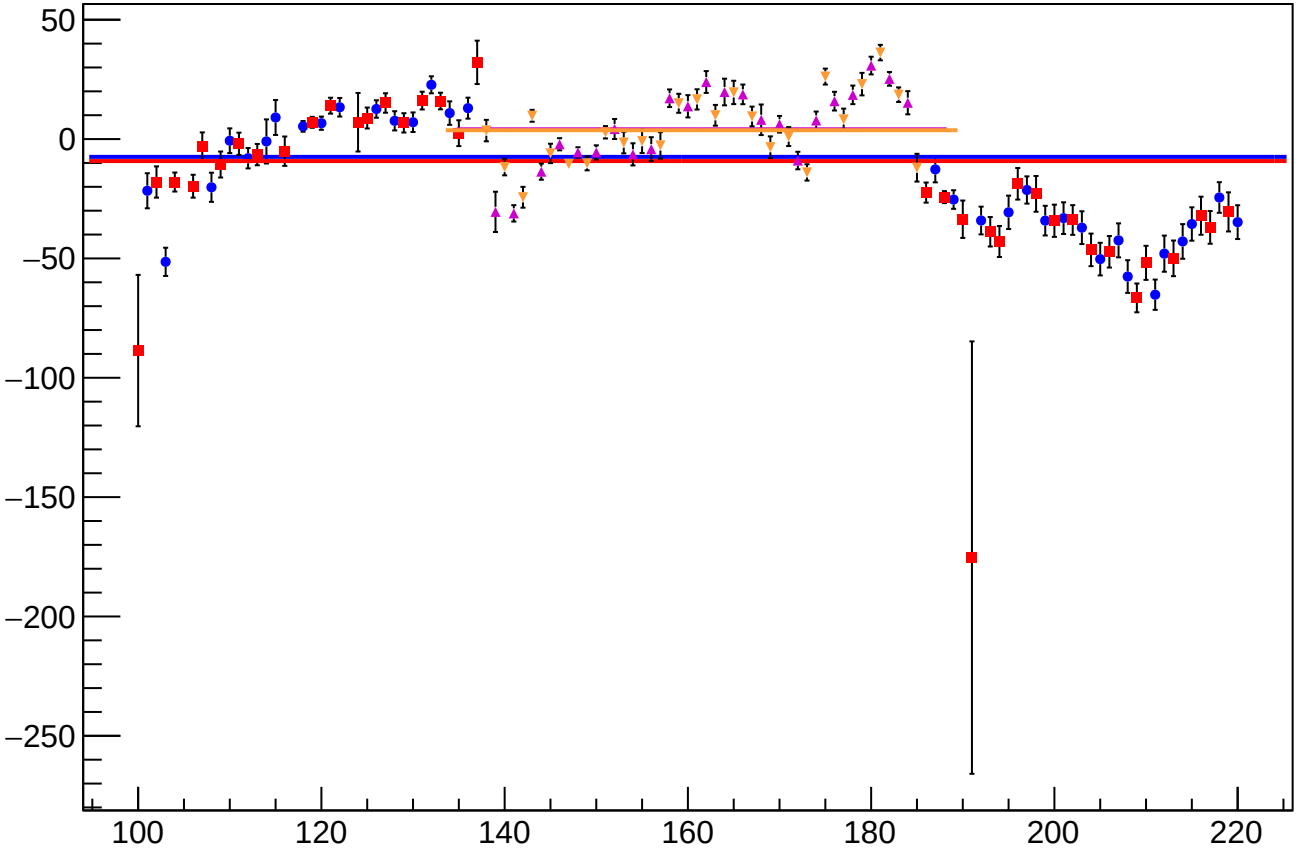
Right: 160.523+/-0.491 χ^2/NDF: 7860.0/69

In: 172.262+/-0.582 χ^2/NDF:6500.0/55

Out: 166.653+/-0.553 χ^2/NDF:12889.7/61

All: 169.317+/-0.401 χ^2/NDF: 19438.4/117

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.449+/-0.846 χ^2/NDF: 724.3/32

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -9.211+/-0.814 χ^2/NDF: 708.8/36

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

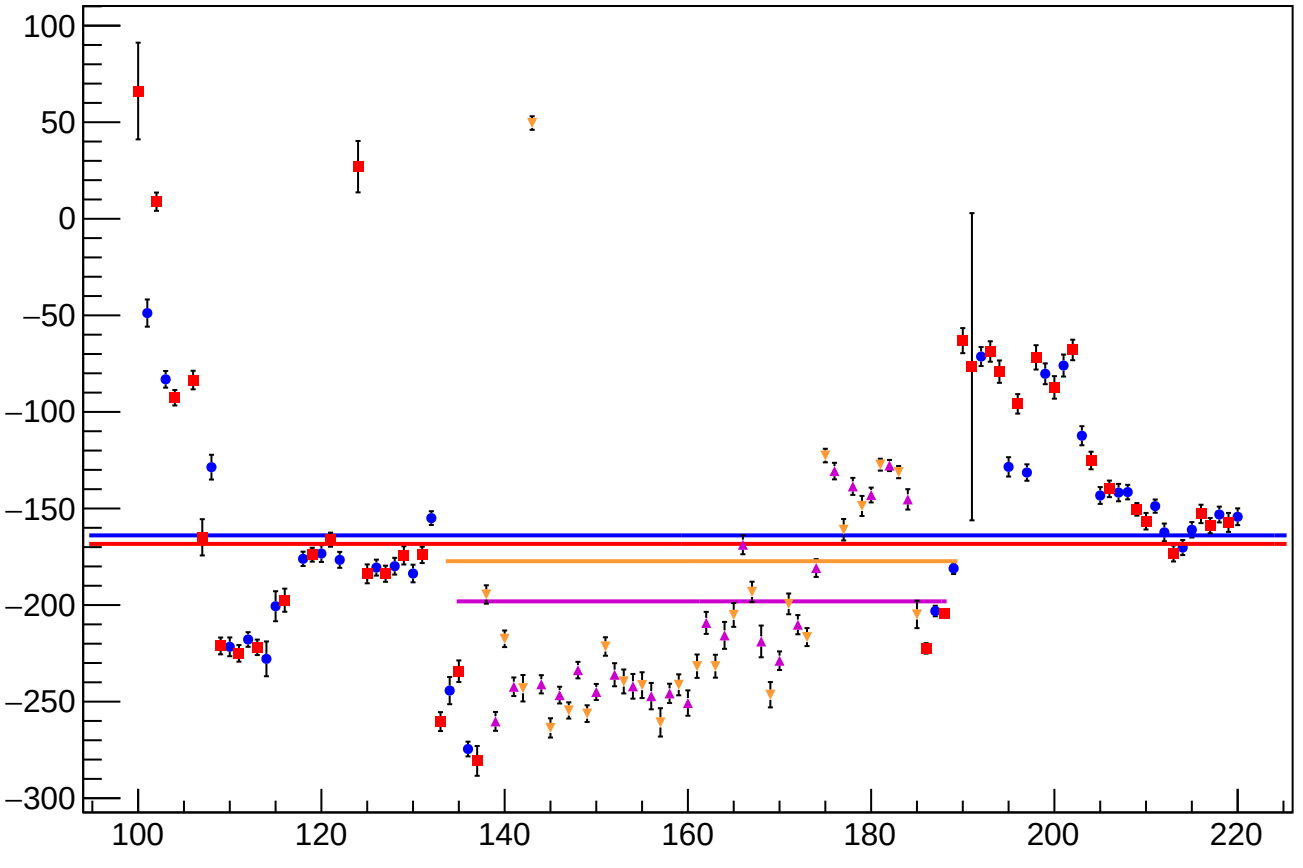
Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

Right: -8.363+/-0.586 χ^2/NDF: 1435.4/69

In: -1.126+/-0.569 χ^2/NDF:1225.4/55

Out: -1.991+/-0.541 χ^2/NDF:1250.4/61

All: -1.580+/-0.392 χ^2/NDF: 2477.0/117



Right In: -163.920+/-0.747 χ^2/NDF: 3521.2/32

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -168.330+/-0.688 χ^2/NDF: 6716.6/36

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

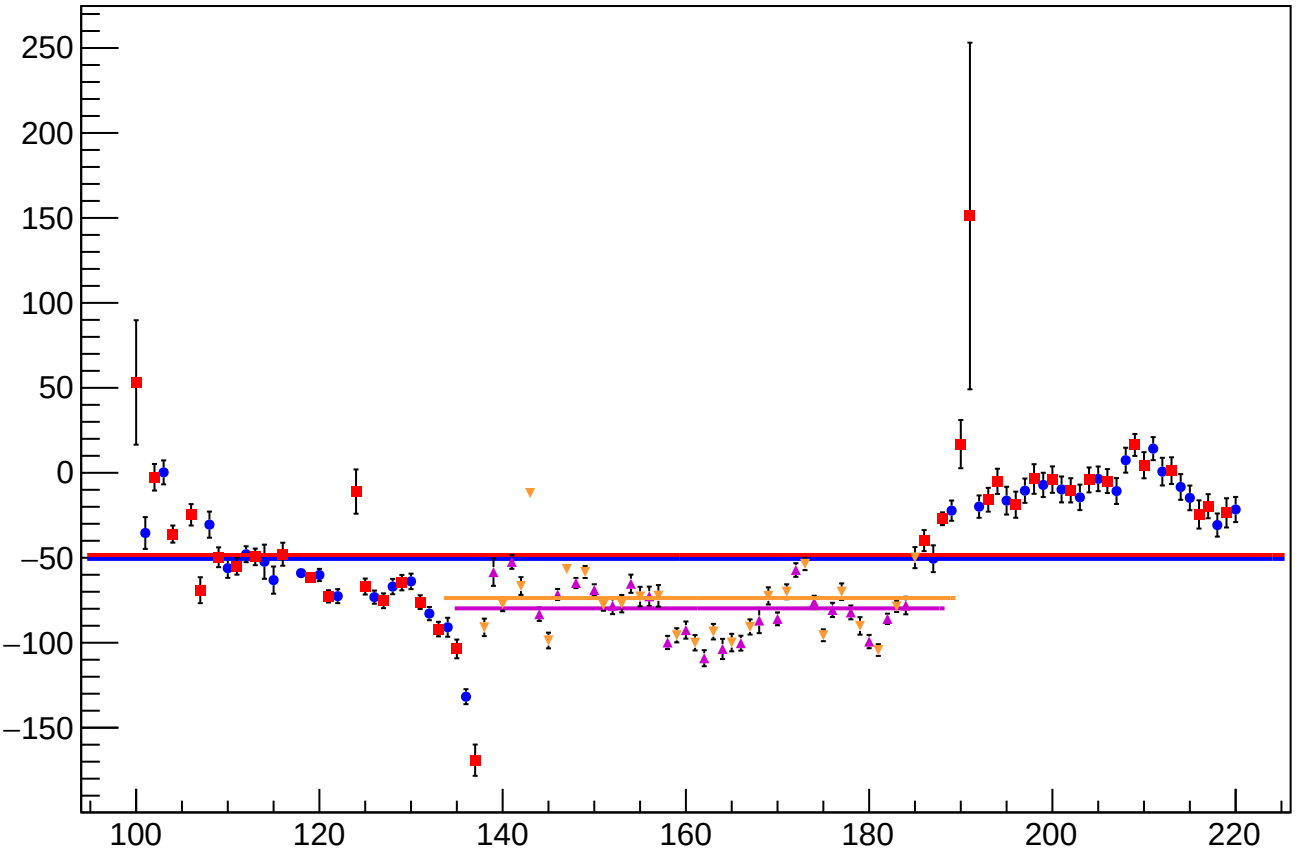
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -166.305+/-0.506 χ^2/NDF: 10256.7/69

In: -176.156+/-0.598 χ^2/NDF:6656.8/55

Out: -171.387+/-0.559 χ^2/NDF:13814.3/61

All: -173.607+/-0.408 χ^2/NDF: 20505.0/117



Right In: -50.669+/-0.980 χ^2/NDF: 1149.6/32

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -48.364+/-0.960 χ^2/NDF: 1147.0/36

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

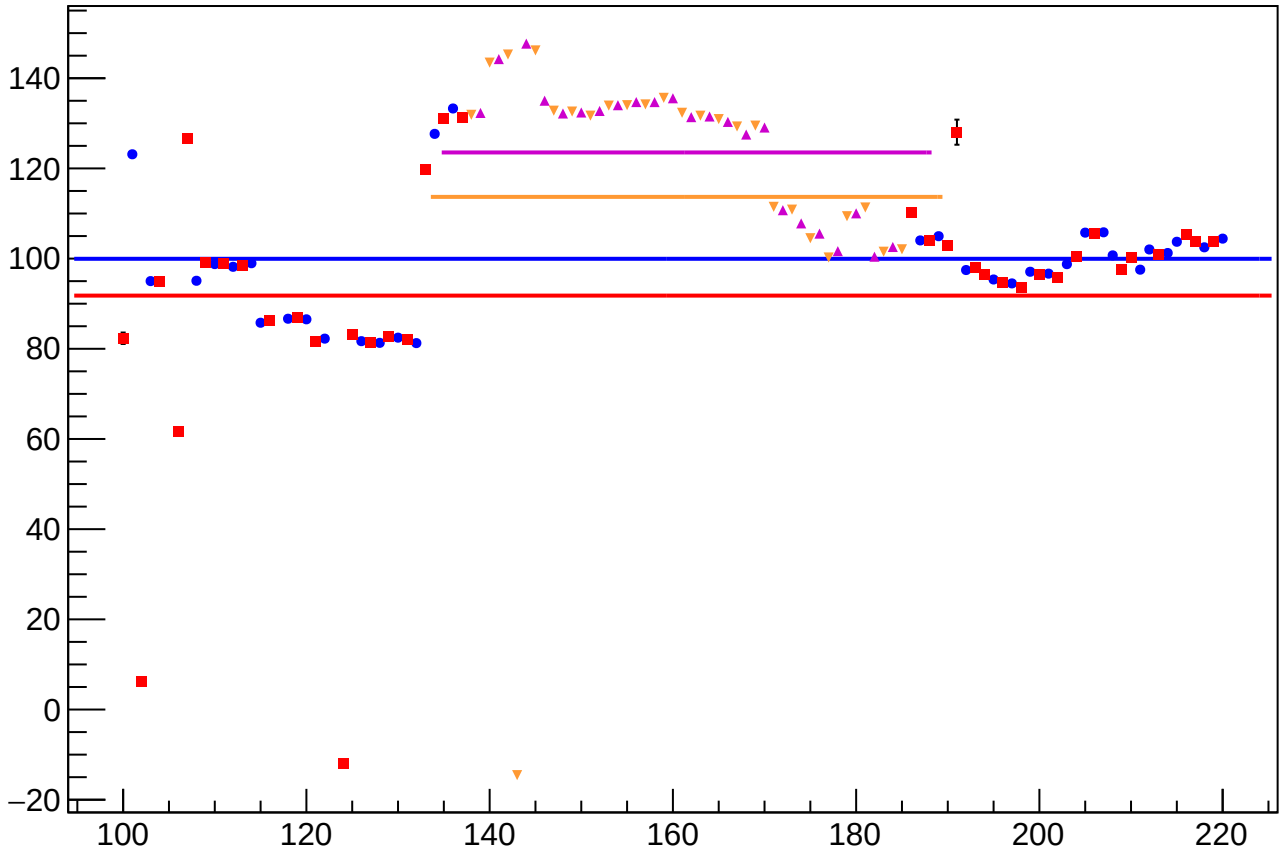
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -49.493+/-0.686 χ^2/NDF: 2299.4/69

In: -66.881+/-0.652 χ^2/NDF:1918.1/55

Out: -62.881+/-0.627 χ^2/NDF:2385.9/61

All: -64.803+/-0.452 χ^2/NDF: 4323.5/117



Right In: 99.957+/-0.051 χ^2/NDF: 70396.0/32

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.794+/-0.048 χ^2/NDF: 291723.9/36

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

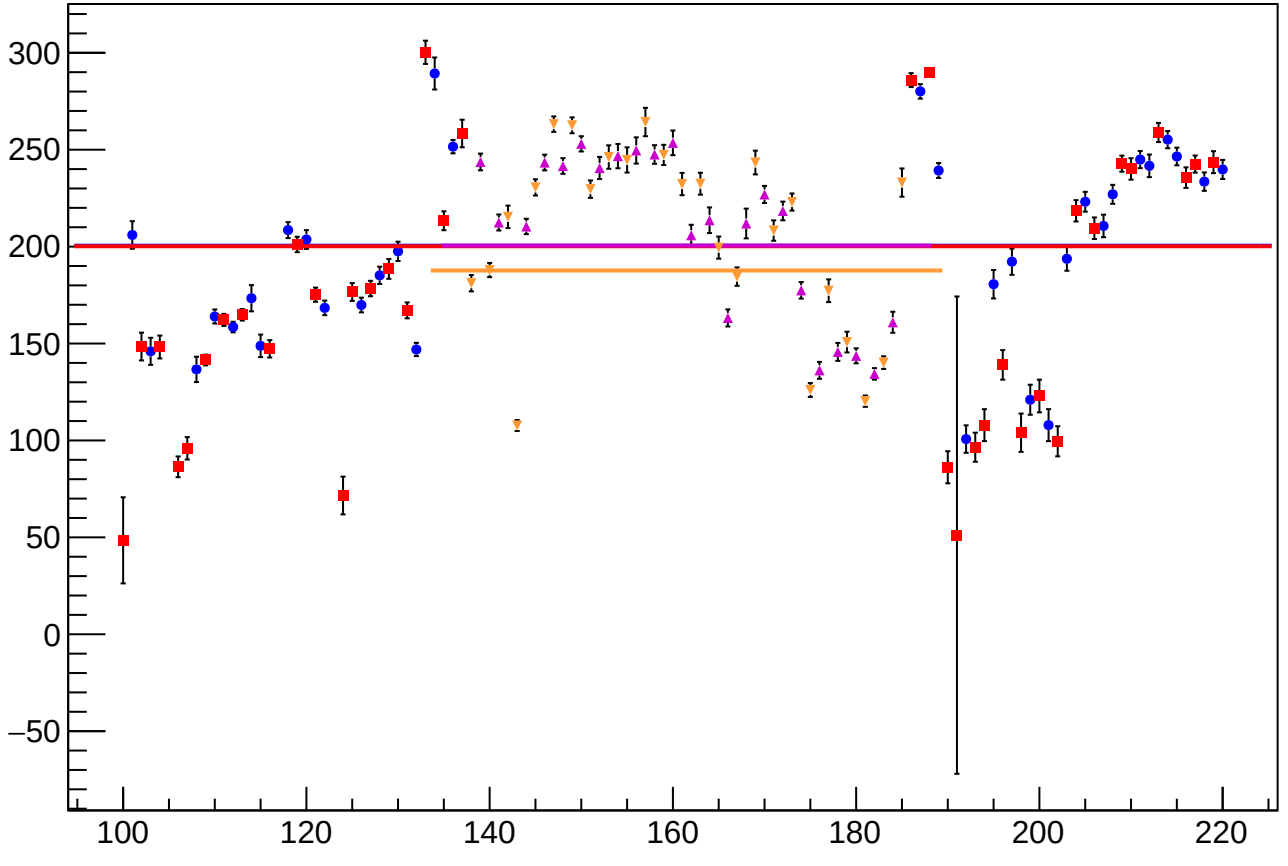
Right: 95.688+/-0.035 χ^2/NDF: 375658.7/69

In: 114.605+/-0.031 χ^2/NDF:339228.6/55

Out: 105.252+/-0.030 χ^2/NDF:1380388.9/61

All: 109.753+/-0.022 χ^2/NDF: 1766166.2/117

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 200.481+/-0.824 χ^2/NDF: 2885.7/32

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

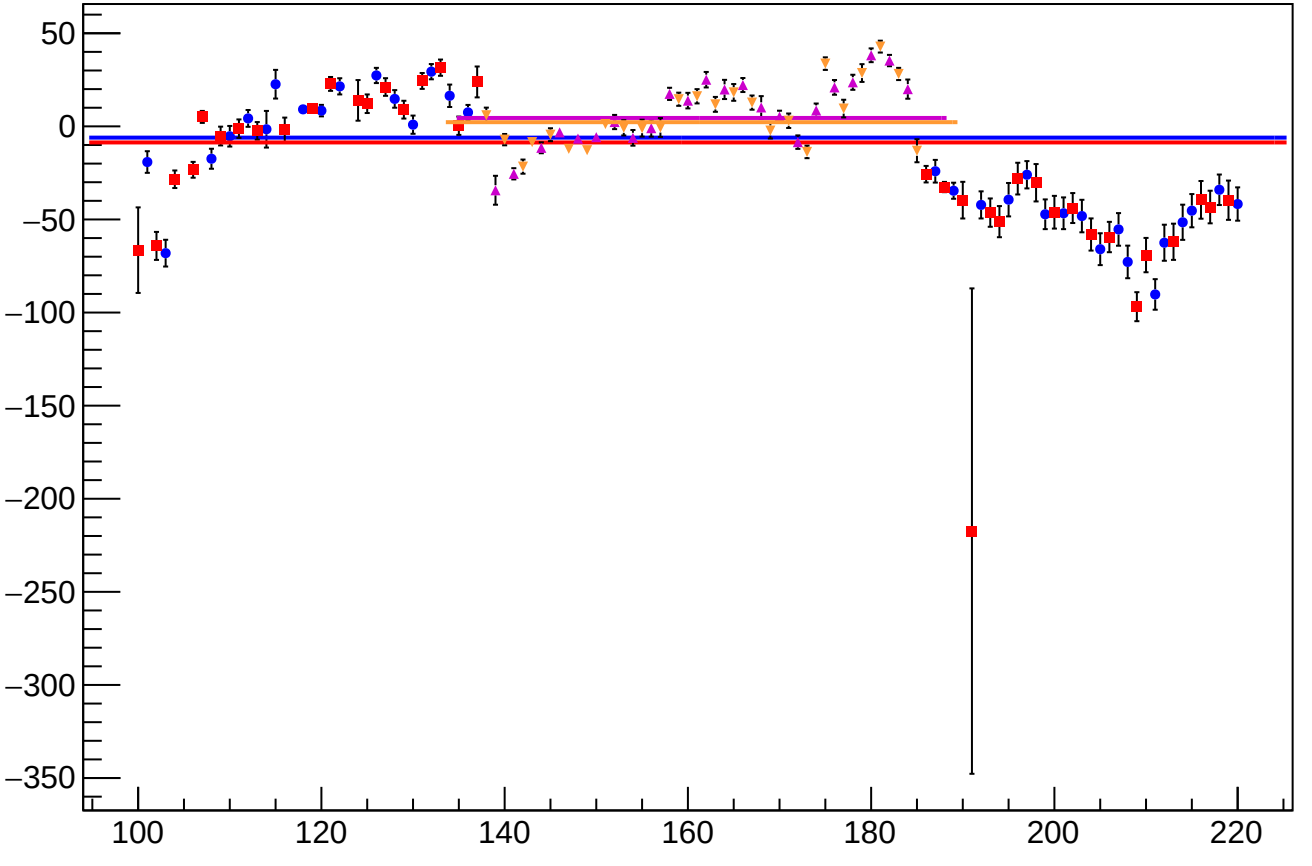
Right: 200.324+/-0.560 χ^2/NDF: 9467.6/69

In: 200.498+/-0.624 χ^2/NDF:4997.2/55

Out: 194.934+/-0.582 χ^2/NDF:10222.7/61

All: 197.522+/-0.425 χ^2/NDF: 15262.4/117

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.052+/-0.955 χ^2/NDF: 910.1/32

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

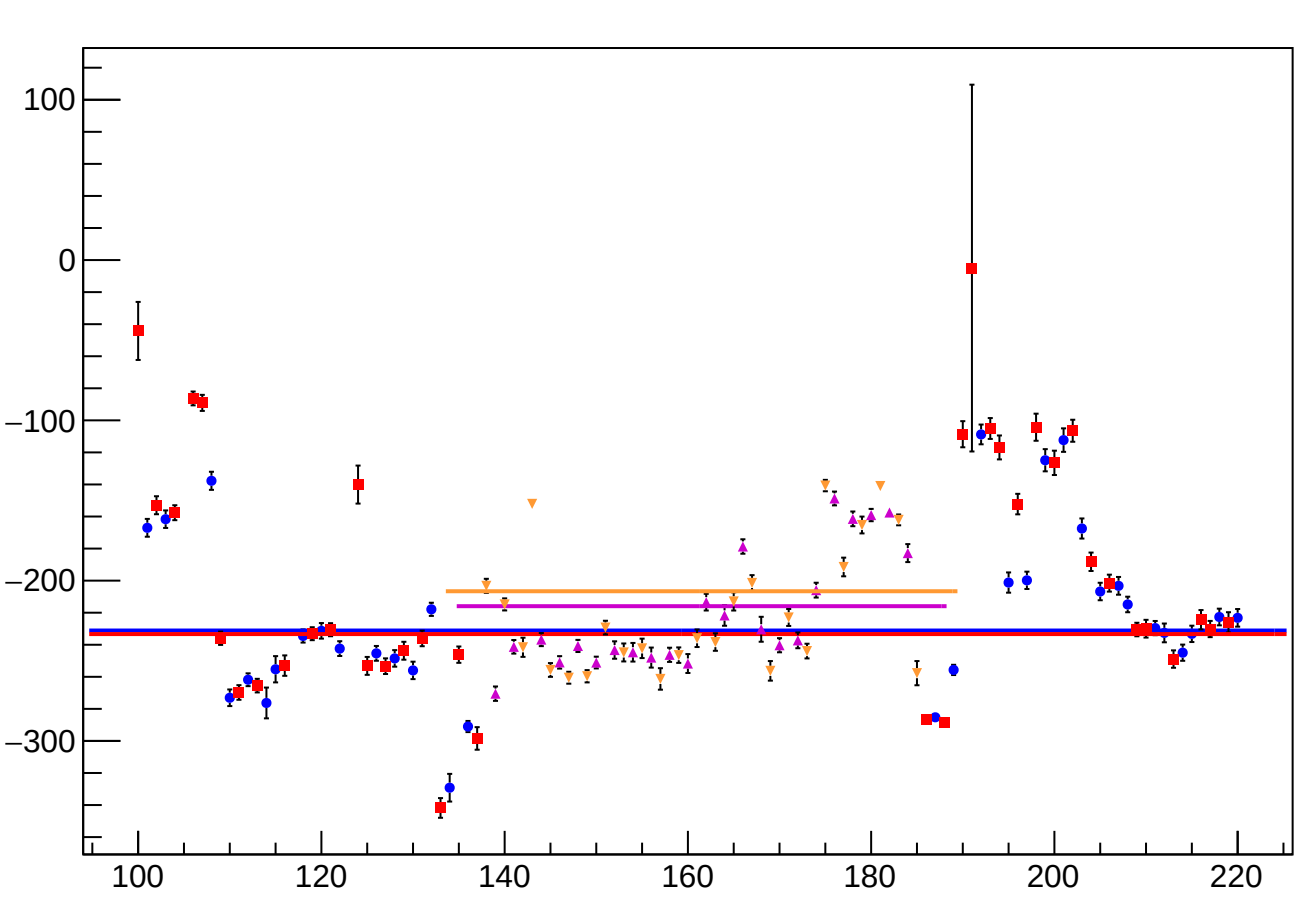
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.436+/-0.651 χ^2/NDF: 1894.7/69

In: 0.724+/-0.572 χ^2/NDF:1535.7/55

Out: -1.650+/-0.533 χ^2/NDF:1677.6/61

All: -0.548+/-0.390 χ^2/NDF: 3222.5/117



Right In: -231.124+/-0.865 χ^2/NDF: 2695.6/32

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

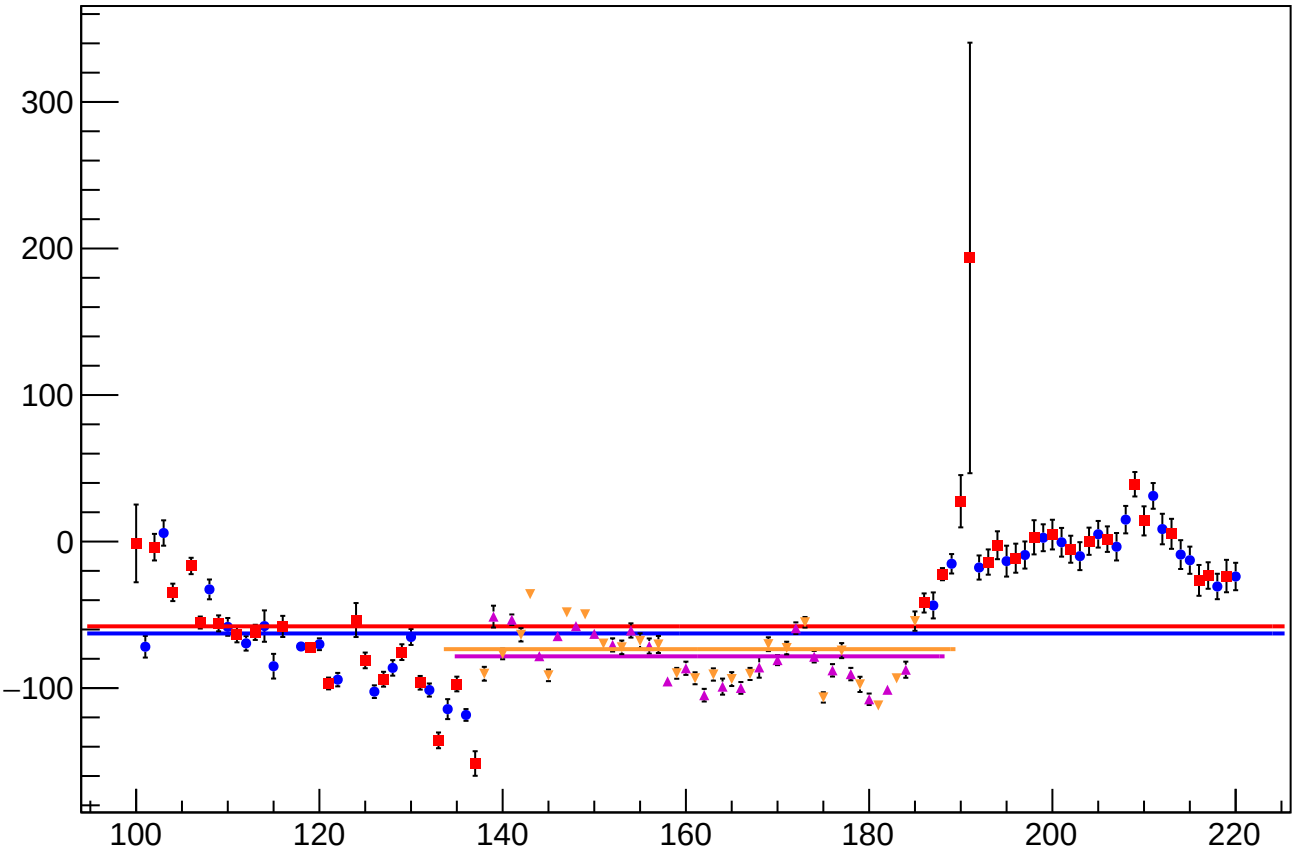
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.350+/-0.578 χ^2/NDF: 9371.6/69

In: -224.206+/-0.639 χ^2/NDF:4547.8/55

Out: -221.847+/-0.587 χ^2/NDF:9648.5/61

All: -222.926+/-0.432 χ^2/NDF: 14203.7/117



Right In: -62.715+/-1.110 χ^2/NDF: 1256.8/32

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

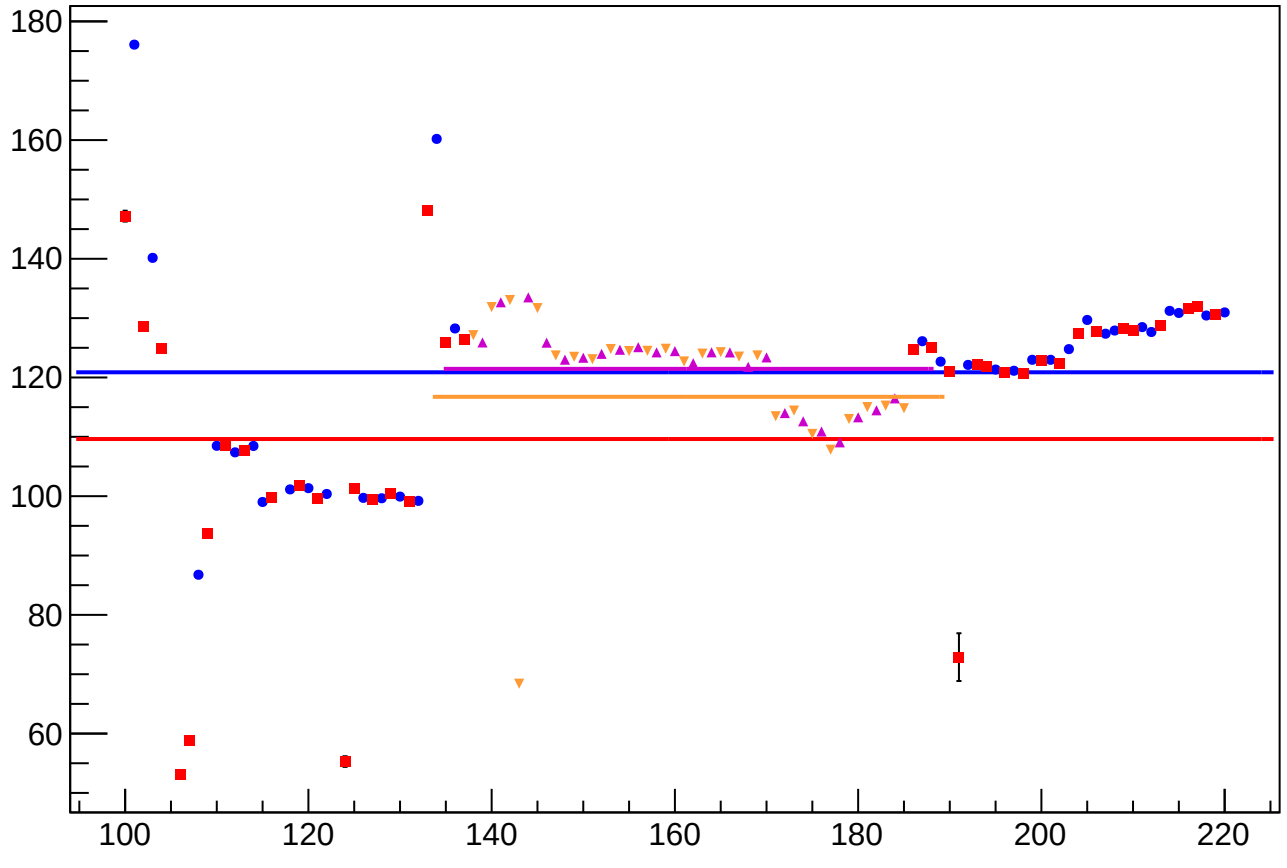
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -60.164+/-0.765 χ^2/NDF: 2664.0/69

In: -72.839+/-0.658 χ^2/NDF:1828.3/55

Out: -68.047+/-0.621 χ^2/NDF:2376.1/61

All: -70.302+/-0.451 χ^2/NDF: 4232.5/117



Right In: 120.875+/-0.058 χ^2/NDF: 100605.3/32

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

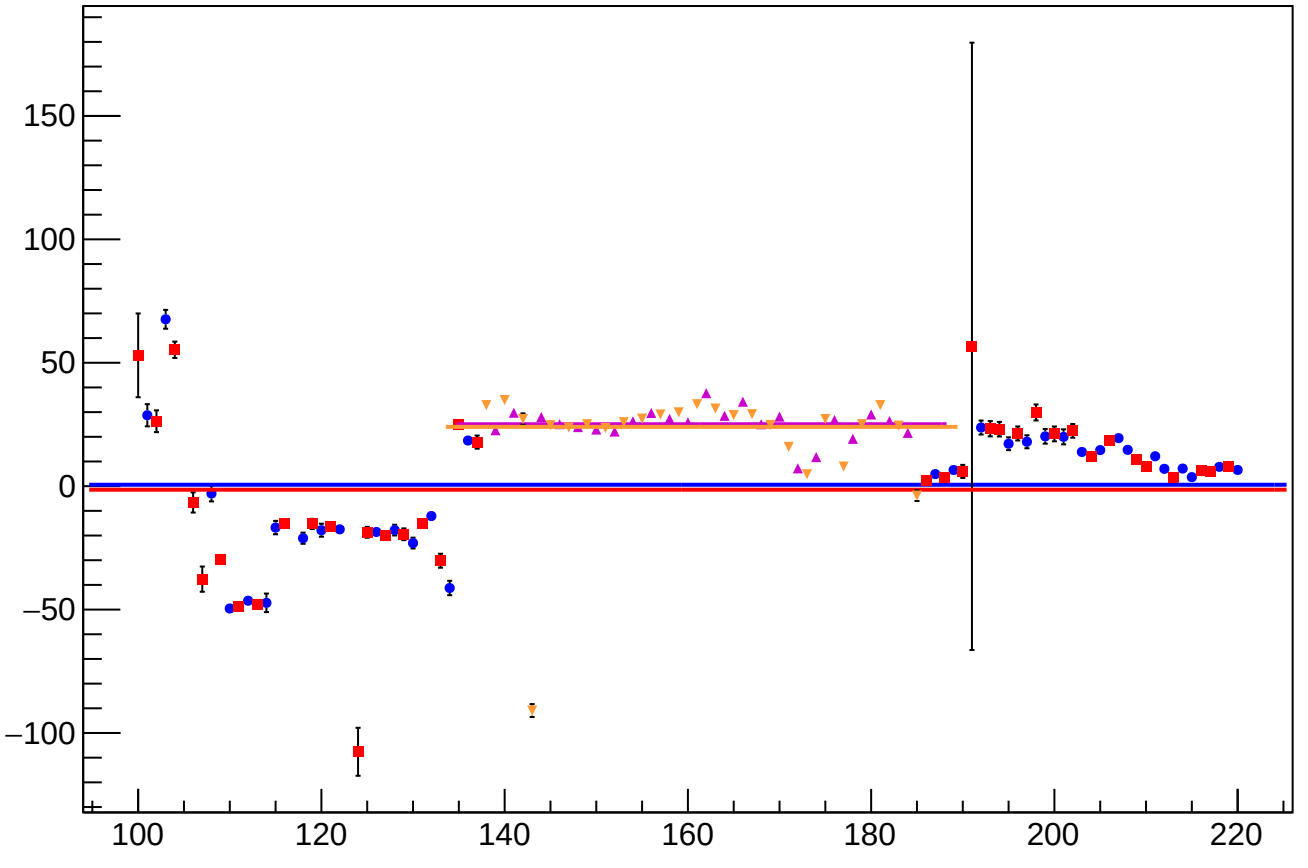
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.824+/-0.040 χ^2/NDF: 338371.2/69

In: 121.288+/-0.031 χ^2/NDF:129471.7/55

Out: 114.579+/-0.030 χ^2/NDF:433512.6/61

All: 117.764+/-0.022 χ^2/NDF: 586914.0/117



Right In: 0.576+/-0.340 χ^2/NDF: 3746.8/32

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.434+/-0.332 χ^2/NDF: 3970.4/36

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

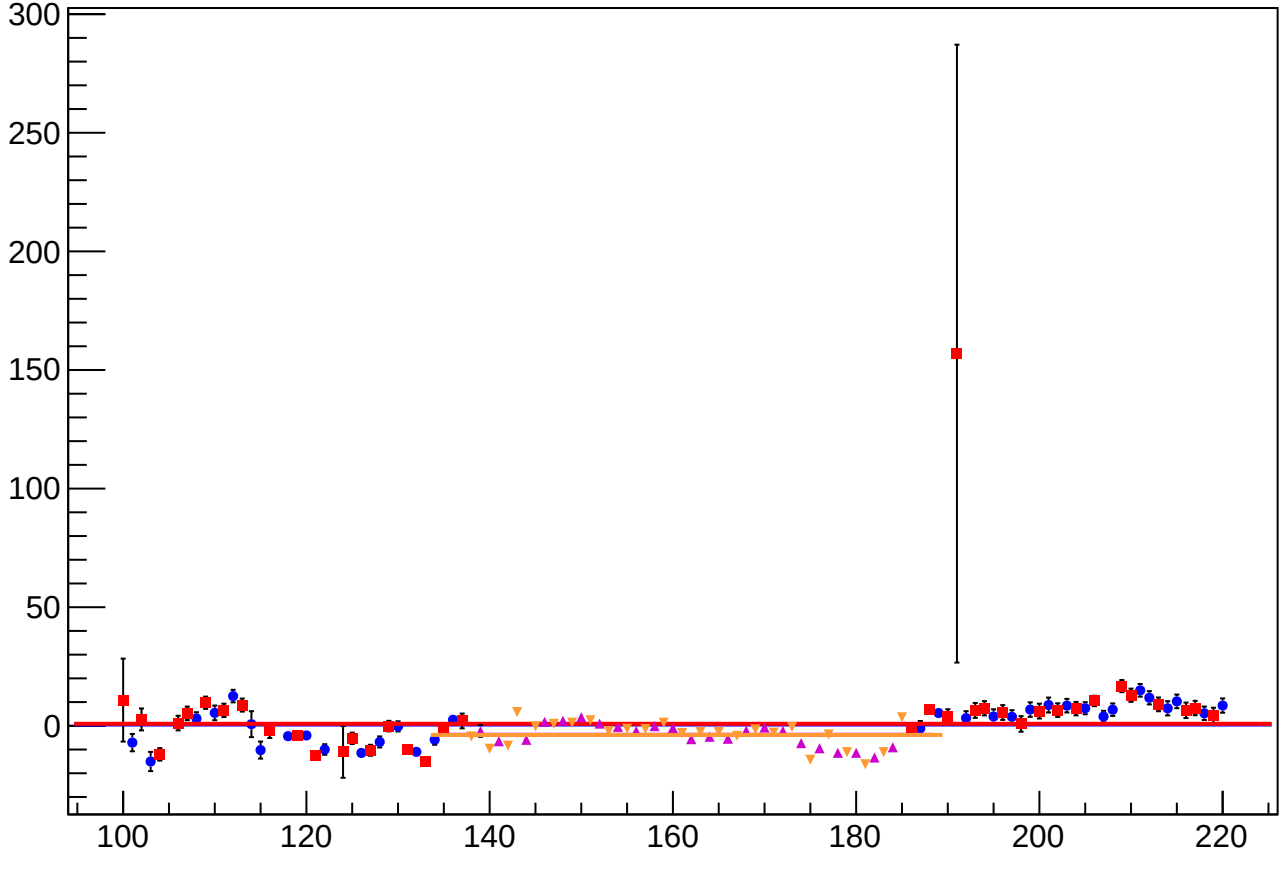
Right: -0.453+/-0.237 χ^2/NDF: 7735.1/69

In: 14.876+/-0.219 χ^2/NDF:7276.9/55

Out: 13.337+/-0.215 χ^2/NDF:10193.9/61

All: 14.090+/-0.153 χ^2/NDF: 17495.9/117

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.544+/-0.427 χ^2/NDF: 296.8/32

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.852+/-0.417 χ^2/NDF: 364.6/36

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

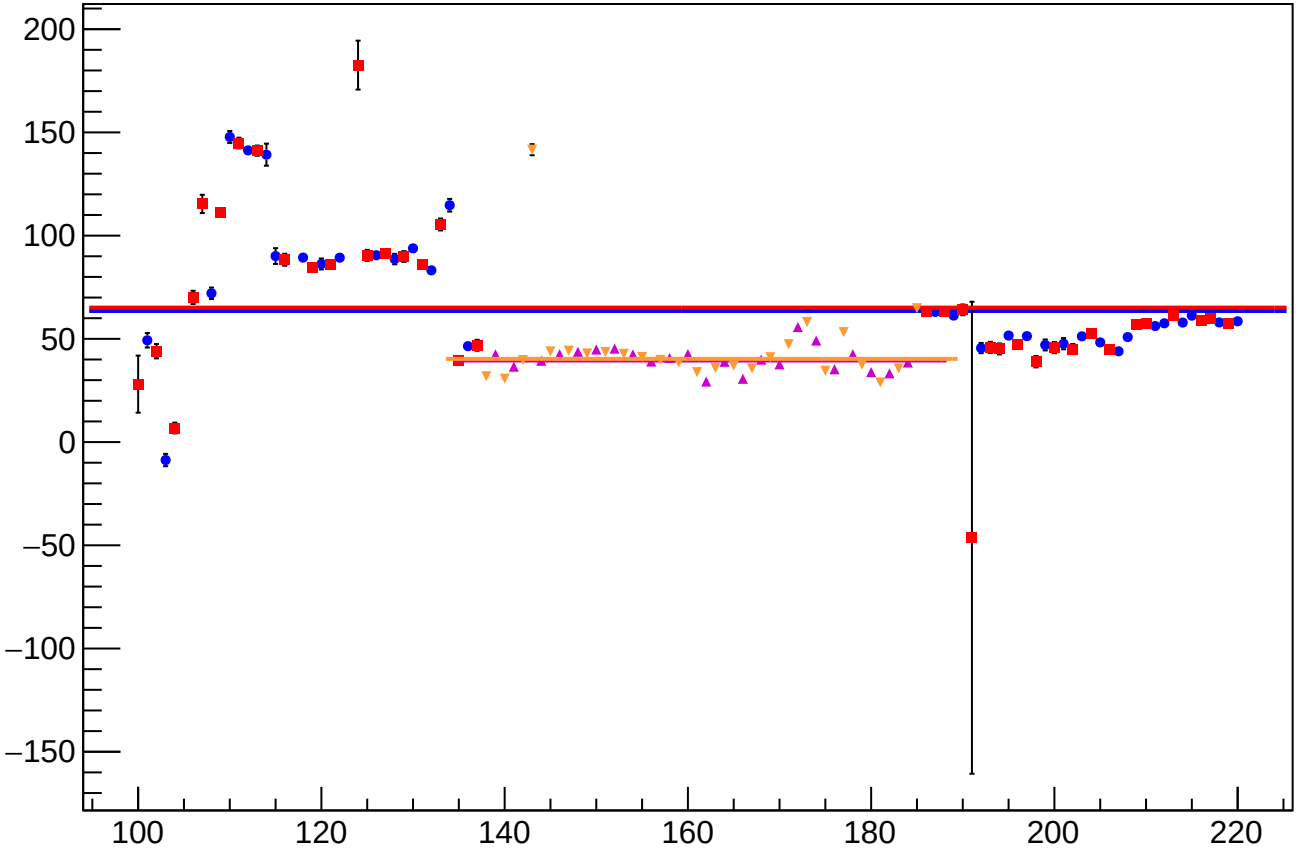
Right: 0.702+/-0.298 χ^2/NDF: 661.6/69

In: -2.848+/-0.198 χ^2/NDF:887.2/55

Out: -2.837+/-0.193 χ^2/NDF:1113.8/61

All: -2.842+/-0.138 χ^2/NDF: 2001.0/117

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 63.508+/-0.353 χ^2/NDF: 4696.5/32

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

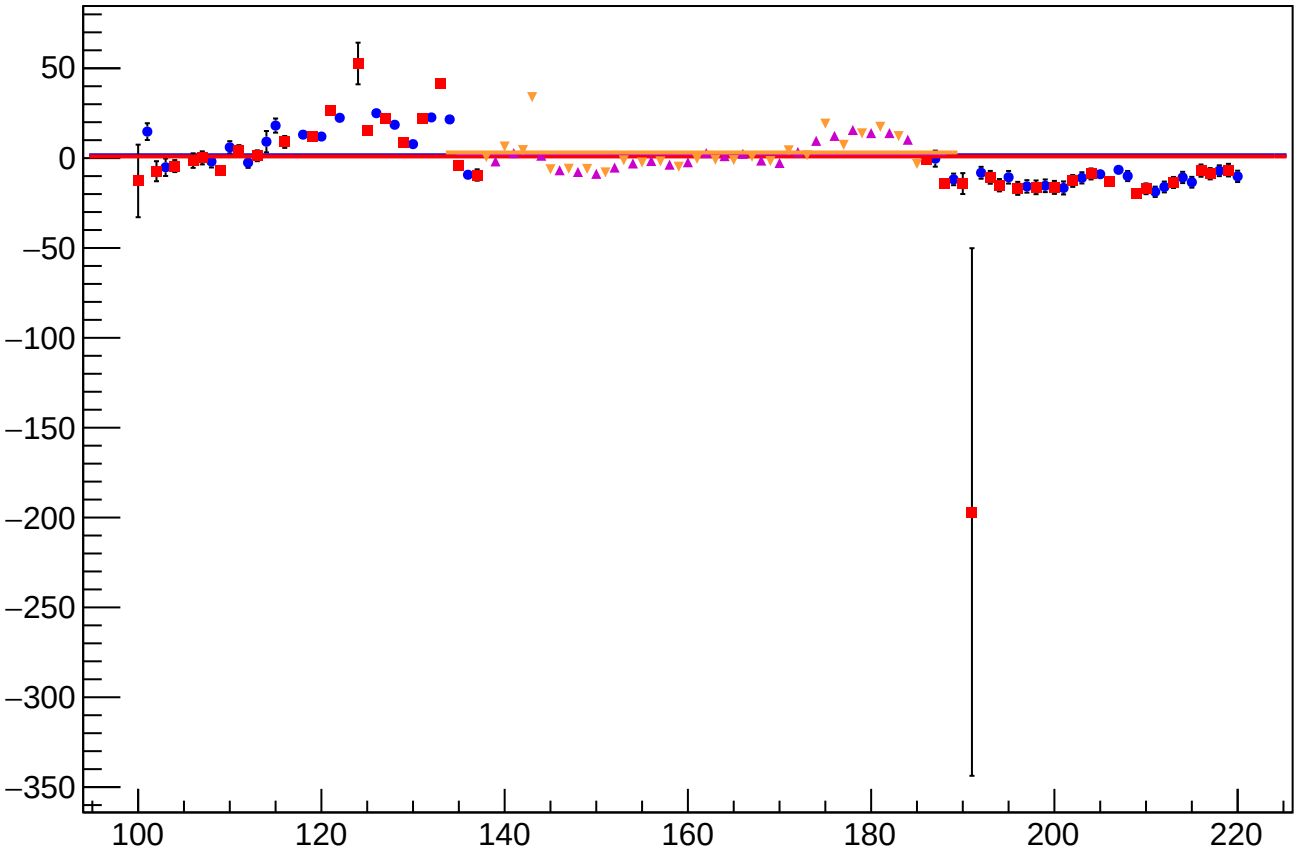
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.360+/-0.243 χ^2/NDF: 9580.4/69

In: 48.977+/-0.222 χ^2/NDF:7933.5/55

Out: 50.517+/-0.215 χ^2/NDF:10281.1/61

All: 49.770+/-0.154 χ^2/NDF: 18239.6/117



Right In: 1.589+/-0.483 χ^2/NDF: 873.5/32

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

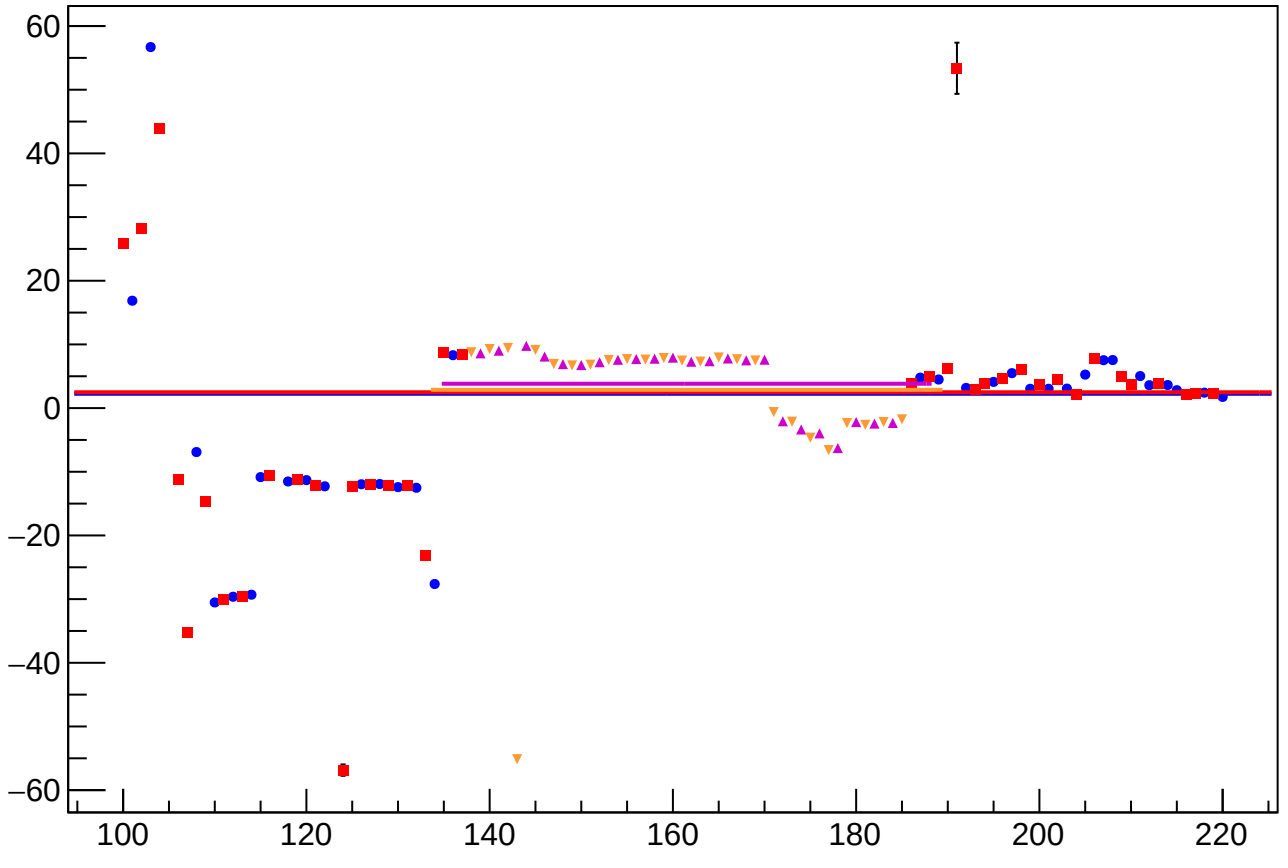
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.267+/-0.342 χ^2/NDF: 1921.4/69

In: 2.321+/-0.223 χ^2/NDF:1844.6/55

Out: 2.694+/-0.219 χ^2/NDF:2330.4/61

All: 2.510+/-0.156 χ^2/NDF: 4176.4/117



Right In: 2.248+/-0.023 χ^2/NDF: 383021.9/32

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.488+/-0.023 χ^2/NDF: 330763.0/36

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

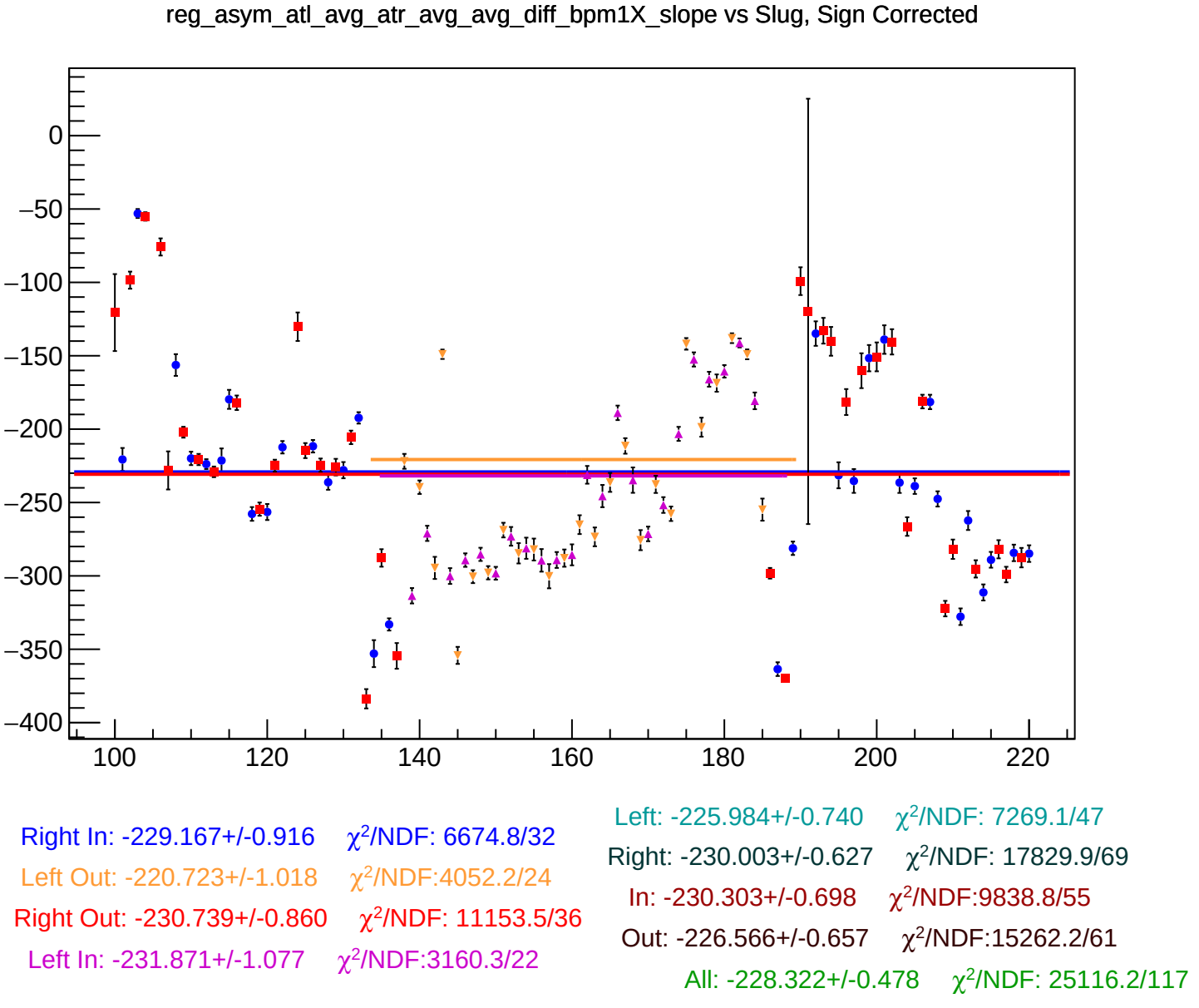
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.367+/-0.016 χ^2/NDF: 713837.7/69

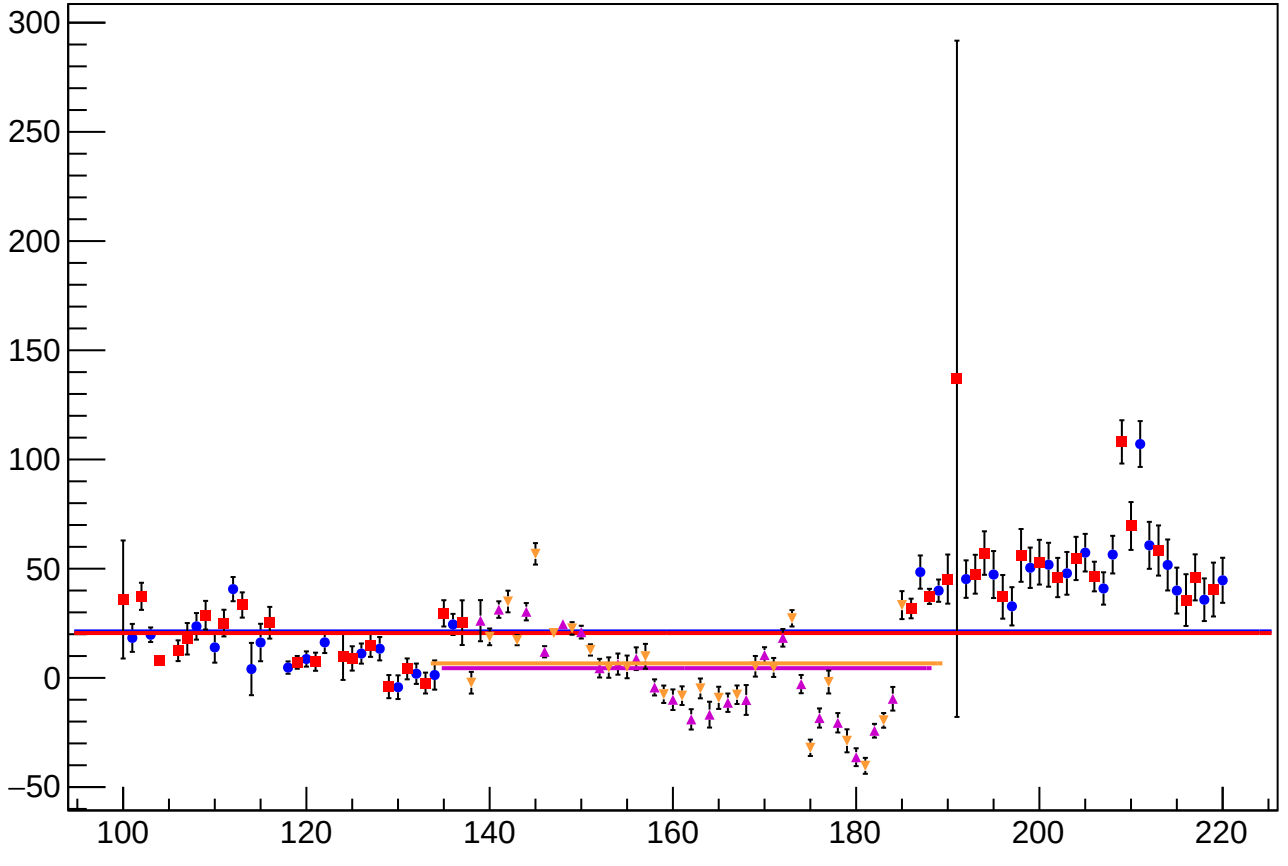
In: 3.531+/-0.010 χ^2/NDF:620013.1/55

Out: 2.801+/-0.010 χ^2/NDF:843312.8/61

All: 3.163+/-0.007 χ^2/NDF: 1466000.0/117


reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
220
Right In: -229.167+/-0.916 χ²/NDF: 6674.8/32
Left Out: -220.723+/-1.018 χ²/NDF:4052.2/24
Right Out: -230.739+/-0.860 χ²/NDF: 11153.5/36
Left In: -231.871+/-1.077 χ²/NDF:3160.3/22
Left: -225.984+/-0.740 χ²/NDF: 7269.1/47
Right: -230.003+/-0.627 χ²/NDF: 17829.9/69
In: -230.303+/-0.698 χ²/NDF:9838.8/55
Out: -226.566+/-0.657 χ²/NDF:15262.2/61
All: -228.322+/-0.478 χ²/NDF: 25116.2/117

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 21.284+/-1.046 χ^2/NDF: 327.5/32

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 20.524+/-0.963 χ^2/NDF: 377.1/36

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

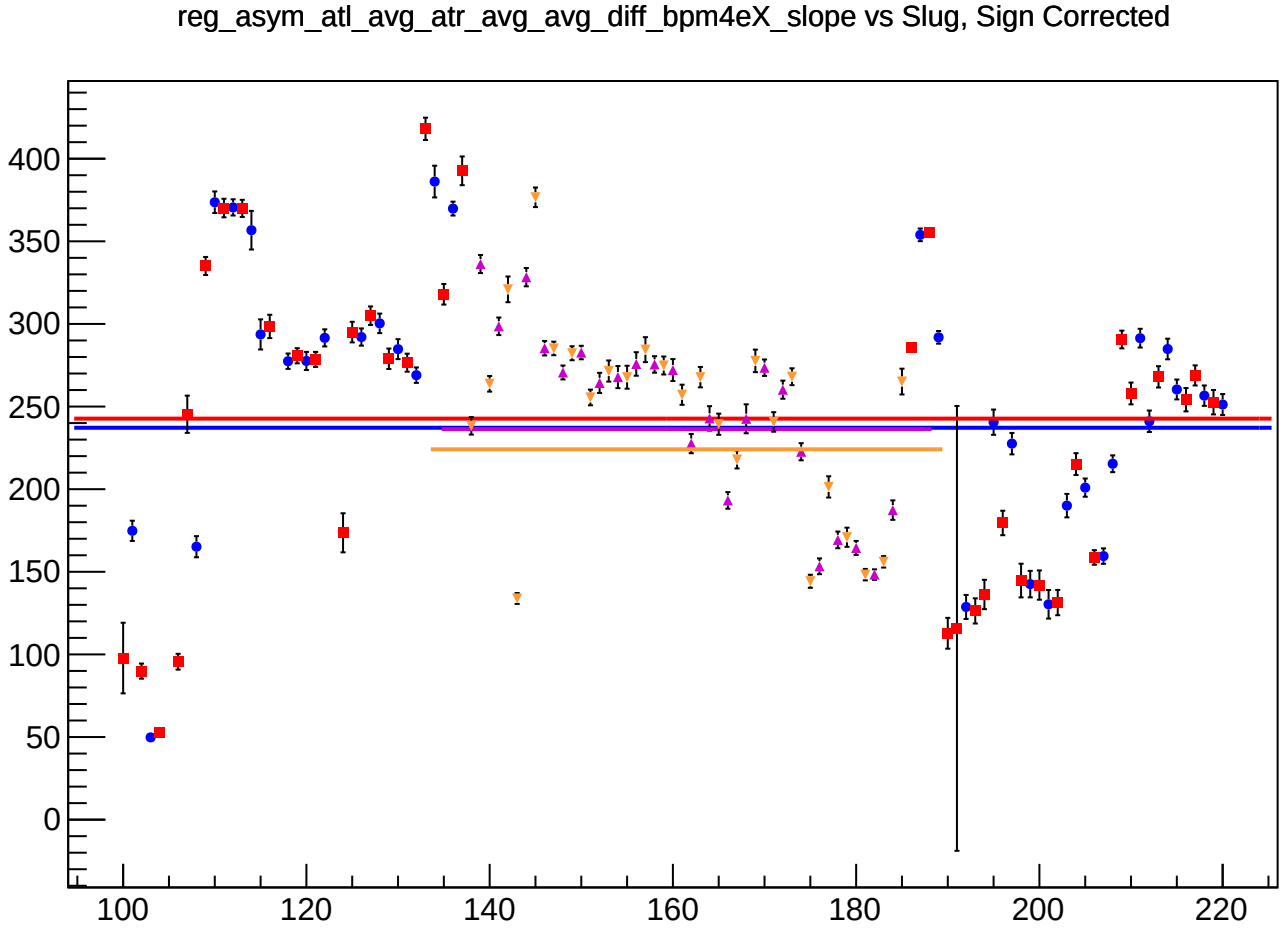
Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

Right: 20.872+/-0.709 χ^2/NDF: 704.9/69

In: 10.727+/-0.639 χ^2/NDF:1056.9/55

Out: 11.905+/-0.593 χ^2/NDF:1241.1/61

All: 11.360+/-0.435 χ^2/NDF: 2299.8/117



Right In: 237.170+/-0.932 χ^2/NDF: 11609.7/32

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 242.694+/-0.849 χ^2/NDF: 17102.3/36

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

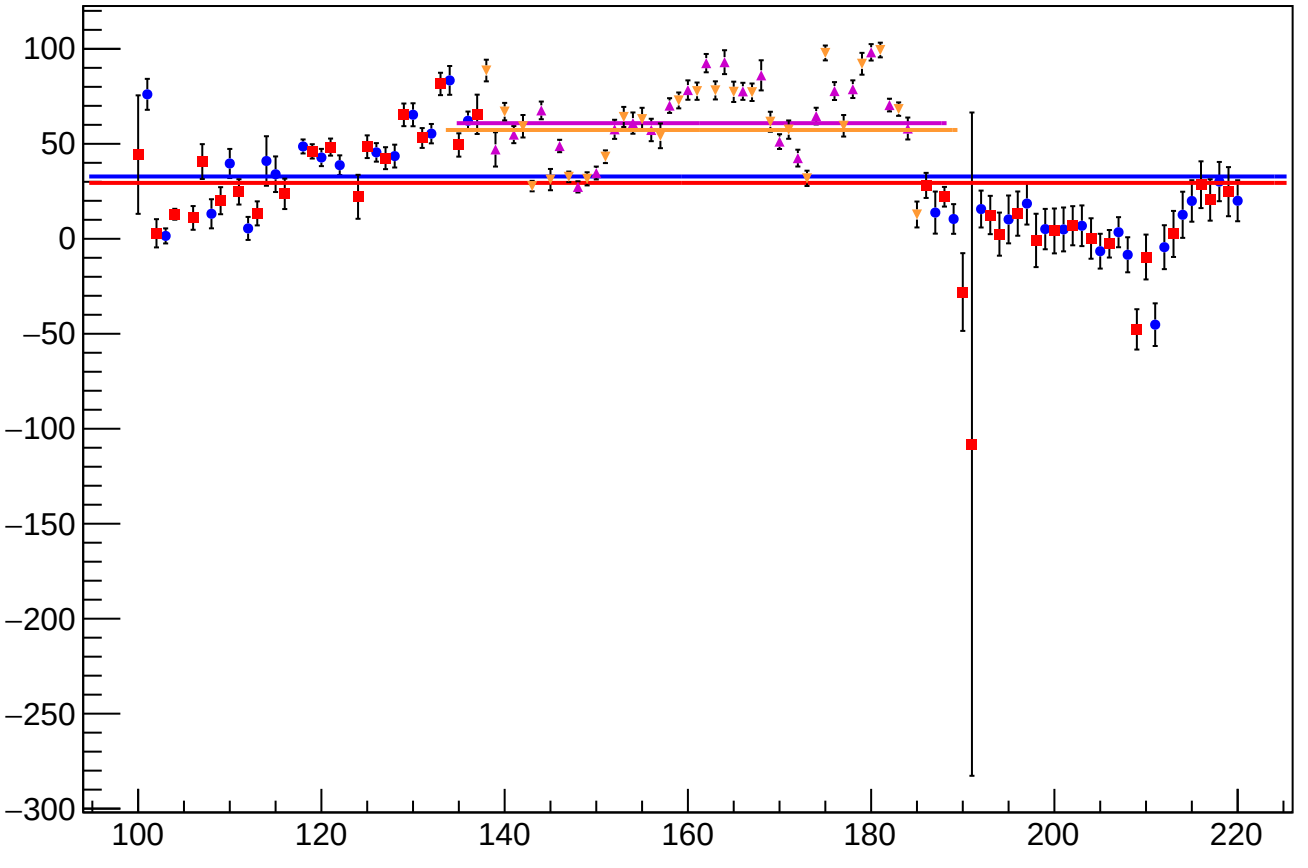
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 240.189+/-0.628 χ^2/NDF: 28731.2/69

In: 236.811+/-0.702 χ^2/NDF:14603.0/55

Out: 235.038+/-0.651 χ^2/NDF:21266.2/61

All: 235.858+/-0.477 χ^2/NDF: 35872.6/117



Right In: 32.805+/-1.217 χ^2/NDF: 436.5/32

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 29.429+/-1.149 χ^2/NDF: 407.3/36

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

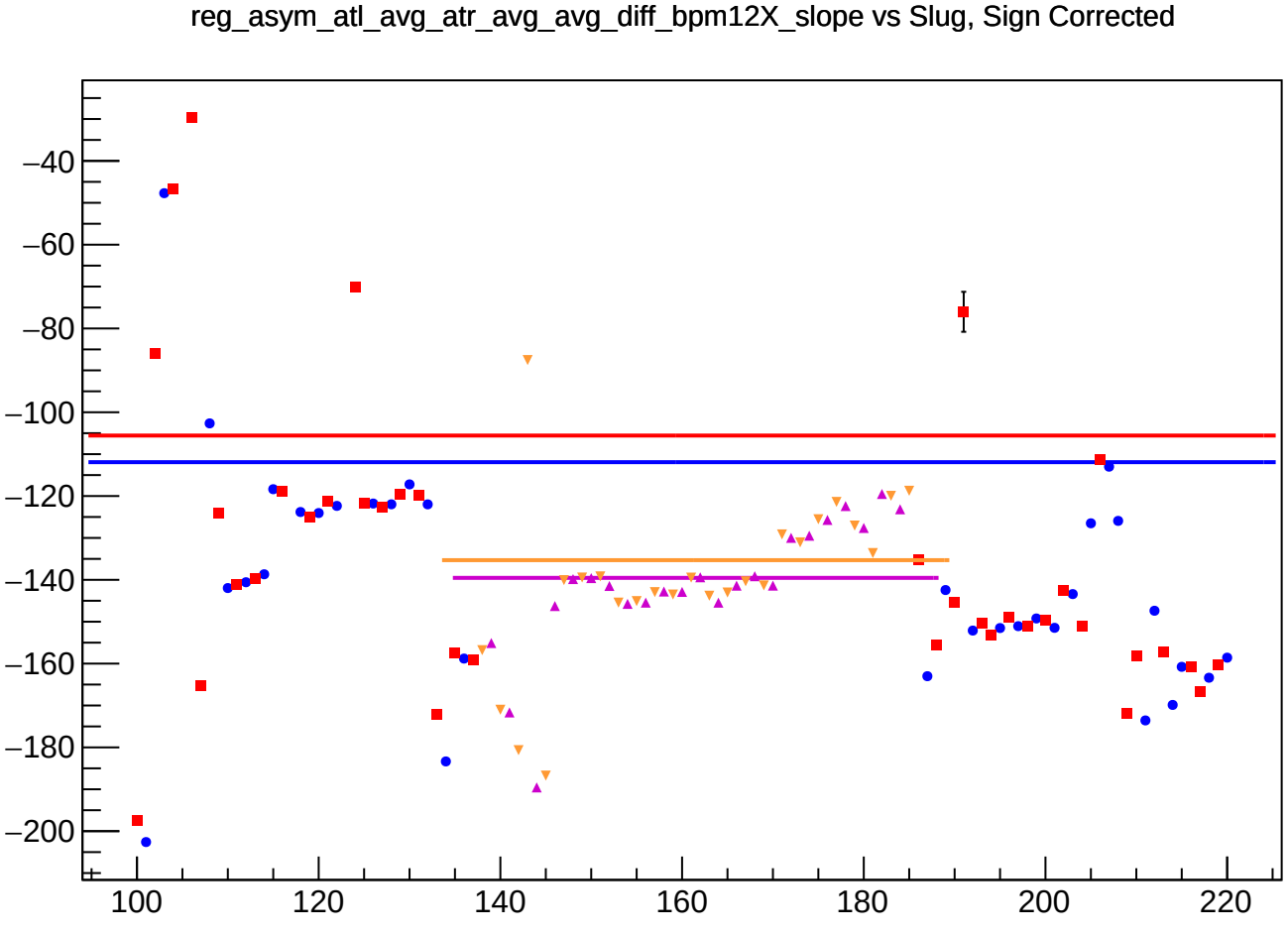
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 31.020+/-0.836 χ^2/NDF: 847.9/69

In: 50.635+/-0.735 χ^2/NDF:1229.0/55

Out: 47.165+/-0.693 χ^2/NDF:1549.5/61

All: 48.797+/-0.504 χ^2/NDF: 2790.3/117



Right In: -111.916+/-0.057 χ^2/NDF: 713403.1/32

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -105.560+/-0.055 χ^2/NDF: 777307.3/36

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

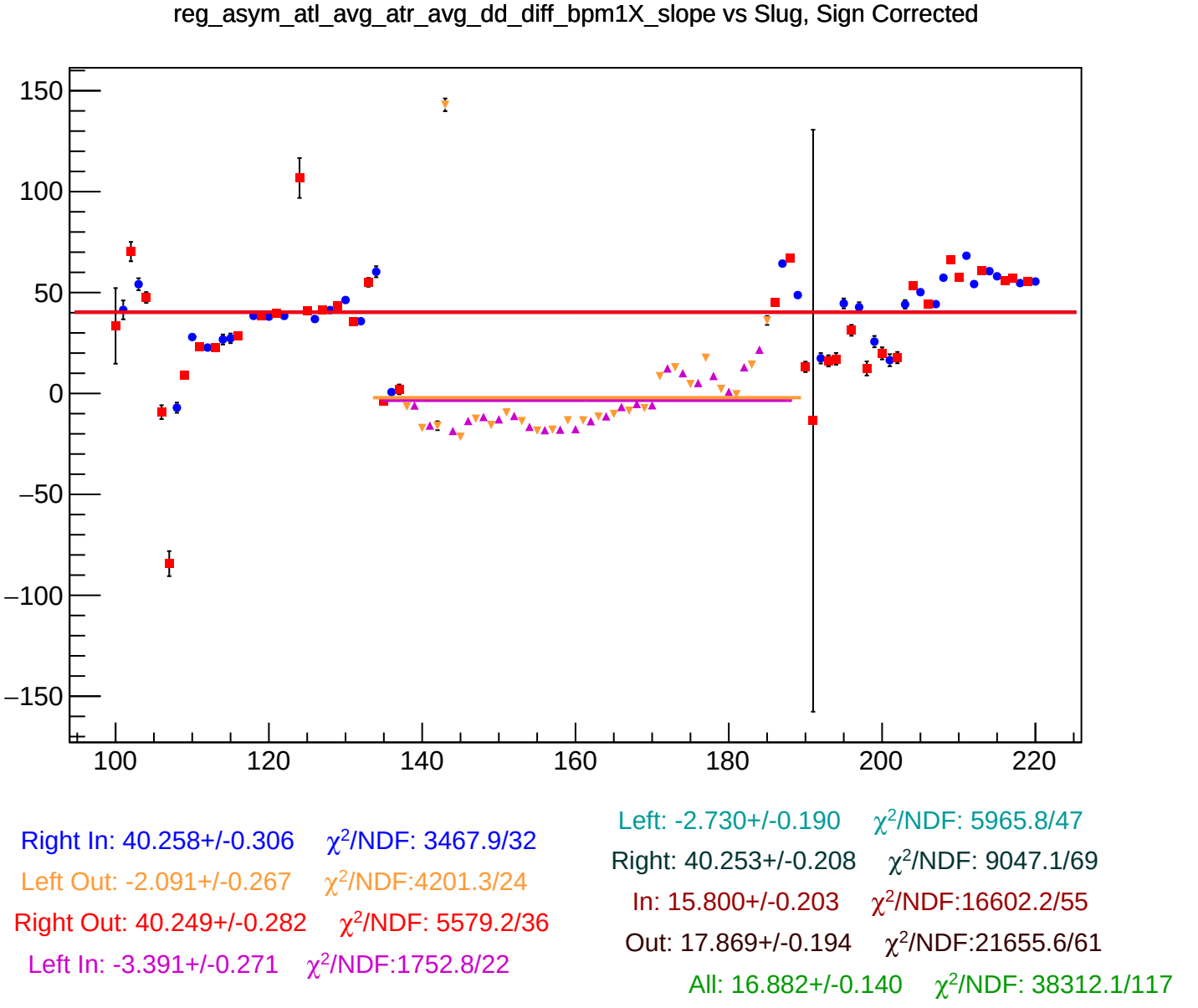
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

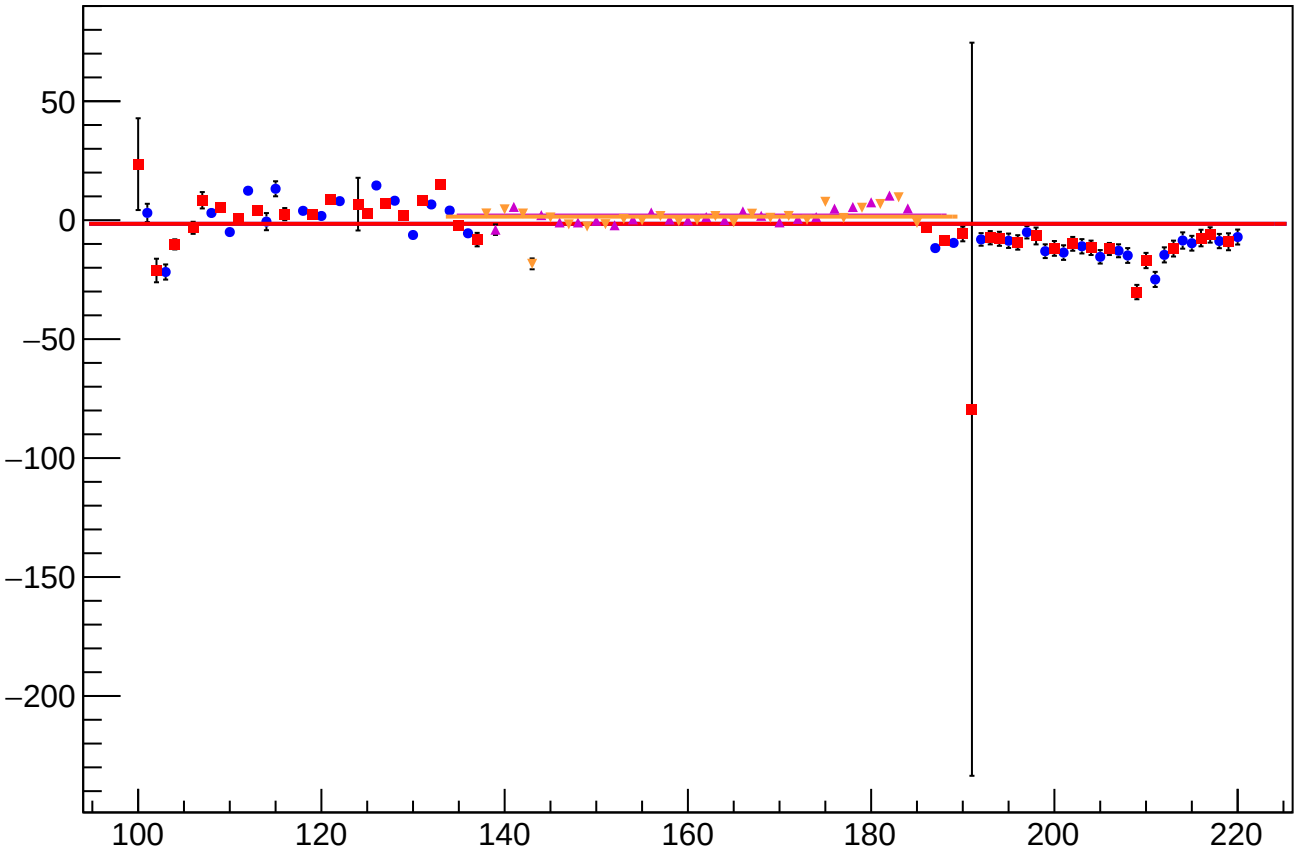
Right: -108.642+/-0.039 χ^2/NDF: 1497186.1/69

In: -129.712+/-0.034 χ^2/NDF:980844.4/55

Out: -124.822+/-0.033 χ^2/NDF:1229579.9/61

All: -127.182+/-0.023 χ^2/NDF: 2221249.7/11


reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: 40.258+/-0.306 χ²/NDF: 3467.9/32
Left Out: -2.091+/-0.267 χ²/NDF:4201.3/24
Right Out: 40.249+/-0.282 χ²/NDF: 5579.2/36
Left In: -3.391+/-0.271 χ²/NDF:1752.8/22
Left: -2.730+/-0.190 χ²/NDF: 5965.8/47
Right: 40.253+/-0.208 χ²/NDF: 9047.1/69
In: 15.800+/-0.203 χ²/NDF:16602.2/55
Out: 17.869+/-0.194 χ²/NDF:21655.6/61
All: 16.882+/-0.140 χ²/NDF: 38312.1/117



Right In: -1.543+/-0.366 χ^2/NDF: 607.9/32

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.527+/-0.346 χ^2/NDF: 548.4/36

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

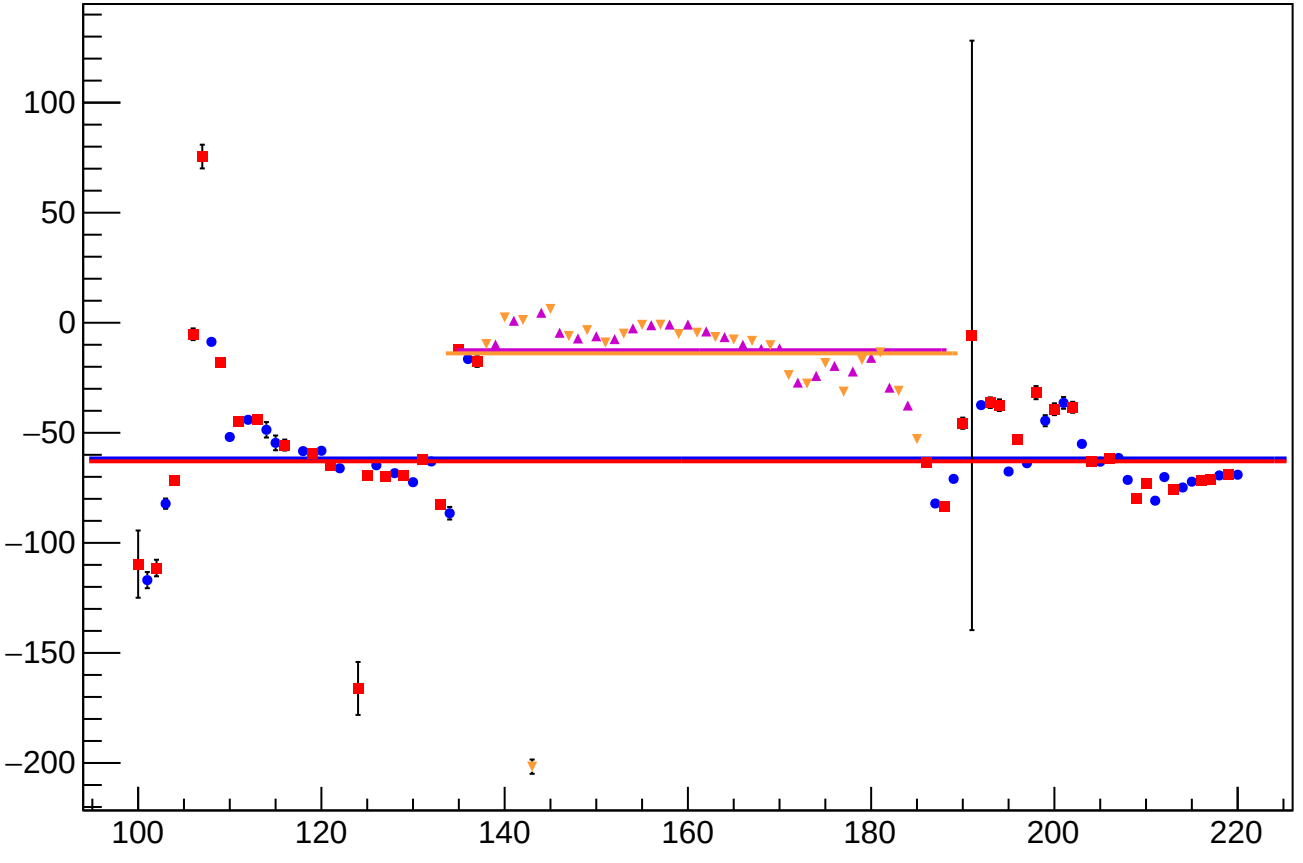
Right: -1.535+/-0.251 χ^2/NDF: 1156.3/69

In: 1.069+/-0.182 χ^2/NDF:916.3/55

Out: 0.706+/-0.176 χ^2/NDF:933.2/61

All: 0.881+/-0.127 χ^2/NDF: 1851.6/117

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.666+/-0.319 χ^2/NDF: 3697.8/32

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.948+/-0.282 χ^2/NDF: 5722.2/36

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

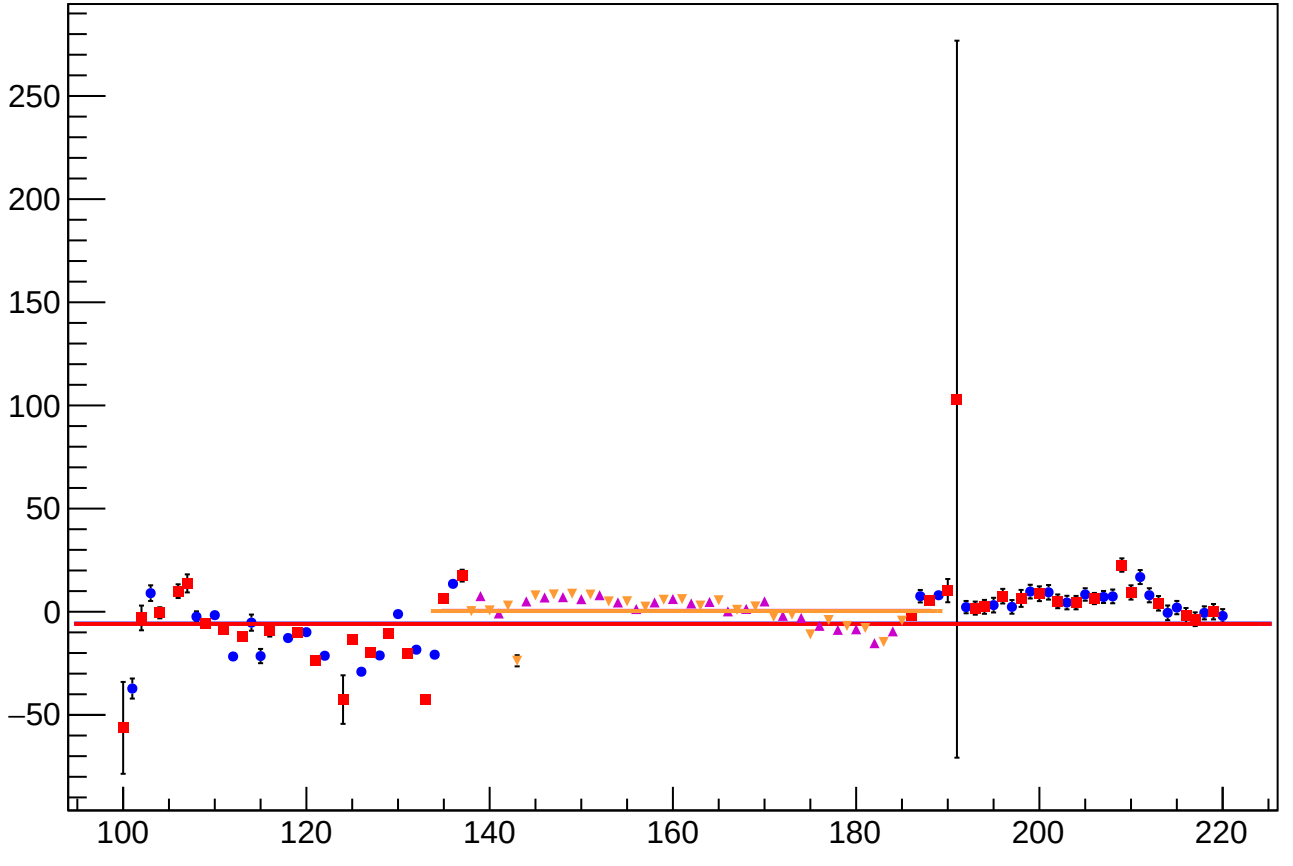
Right: -62.386+/-0.211 χ^2/NDF: 9429.1/69

In: -32.887+/-0.206 χ^2/NDF:19017.0/55

Out: -36.882+/-0.193 χ^2/NDF:26929.5/61

All: -35.011+/-0.141 χ^2/NDF: 46147.2/117

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.748+/-0.422 χ^2/NDF: 1014.1/32

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -5.894+/-0.412 χ^2/NDF: 1054.4/36

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

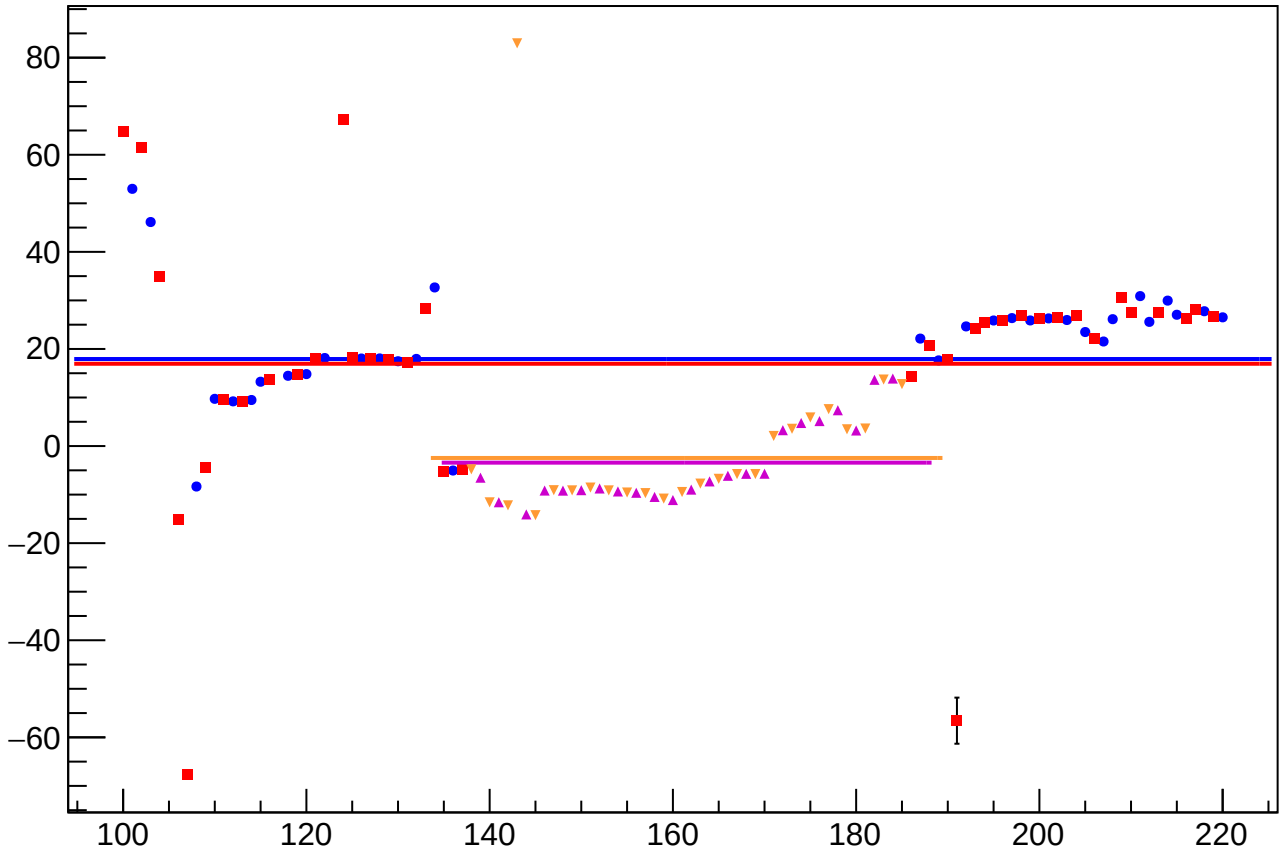
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -5.823+/-0.295 χ^2/NDF: 2068.6/69

In: -1.044+/-0.206 χ^2/NDF:1959.2/55

Out: -1.148+/-0.202 χ^2/NDF:2150.4/61

All: -1.097+/-0.144 χ^2/NDF: 4109.7/117



Right In: 17.928+/-0.021 χ^2/NDF: 460259.9/32

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.952+/-0.021 χ^2/NDF: 582896.6/36

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

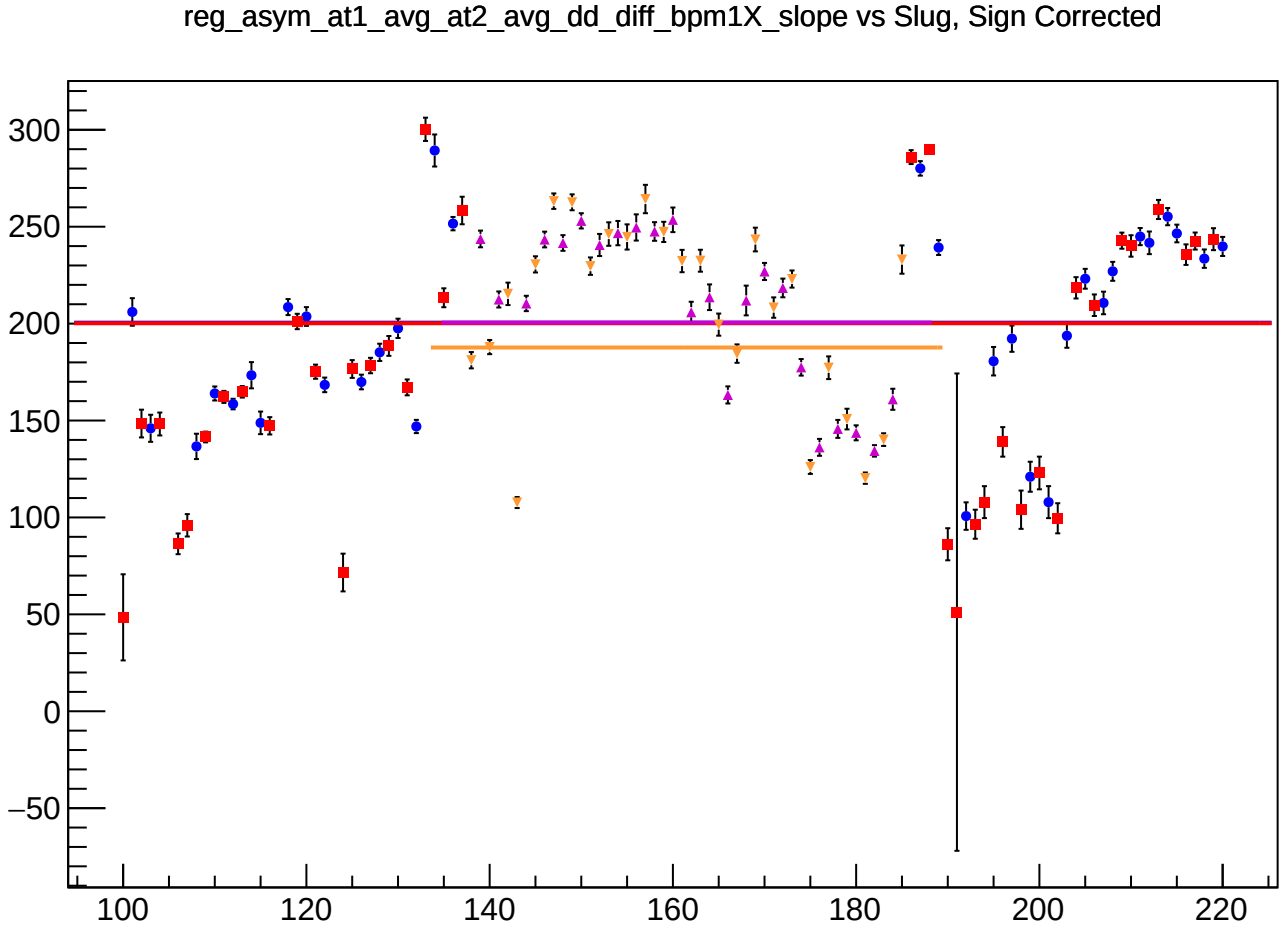
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.440+/-0.015 χ^2/NDF: 1044190.5/69

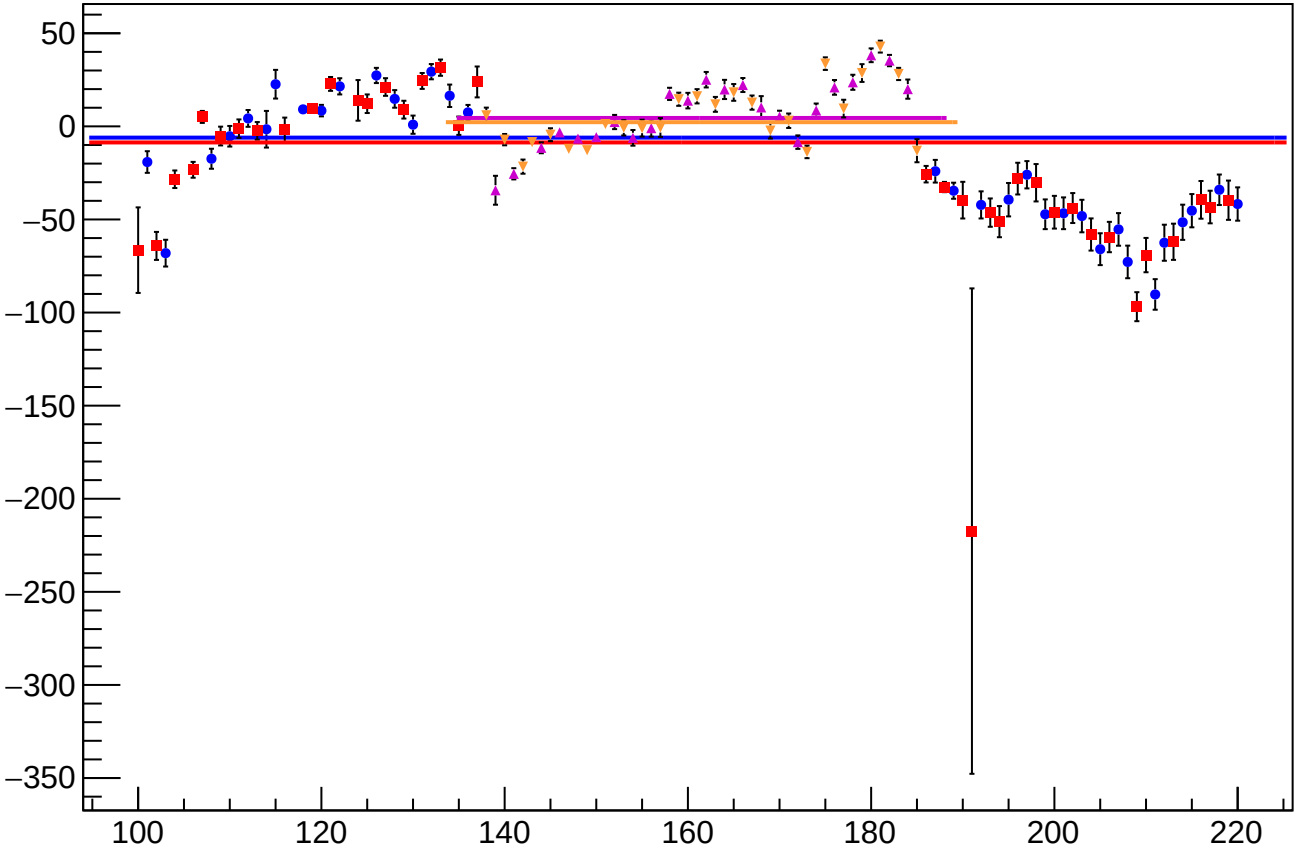
In: 0.668+/-0.009 χ^2/NDF:1807334.1/55

Out: 1.212+/-0.009 χ^2/NDF:2208077.6/61

All: 0.942+/-0.007 χ^2/NDF: 4017099.3/117


reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
120
140
160
180
200
220
Right In: 200.481+/-0.824 χ²/NDF: 2885.7/32
Left Out: 187.681+/-0.898 χ²/NDF:3528.3/24
Right Out: 200.189+/-0.764 χ²/NDF: 6581.8/36
Left In: 200.521+/-0.955 χ²/NDF:2111.4/22
Left: 193.703+/-0.654 χ²/NDF: 5735.7/47
Right: 200.324+/-0.560 χ²/NDF: 9467.6/69
In: 200.498+/-0.624 χ²/NDF:4997.2/55
Out: 194.934+/-0.582 χ²/NDF:10222.7/61
All: 197.522+/-0.425 χ²/NDF: 15262.4/117

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.052+/-0.955 χ^2/NDF: 910.1/32

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

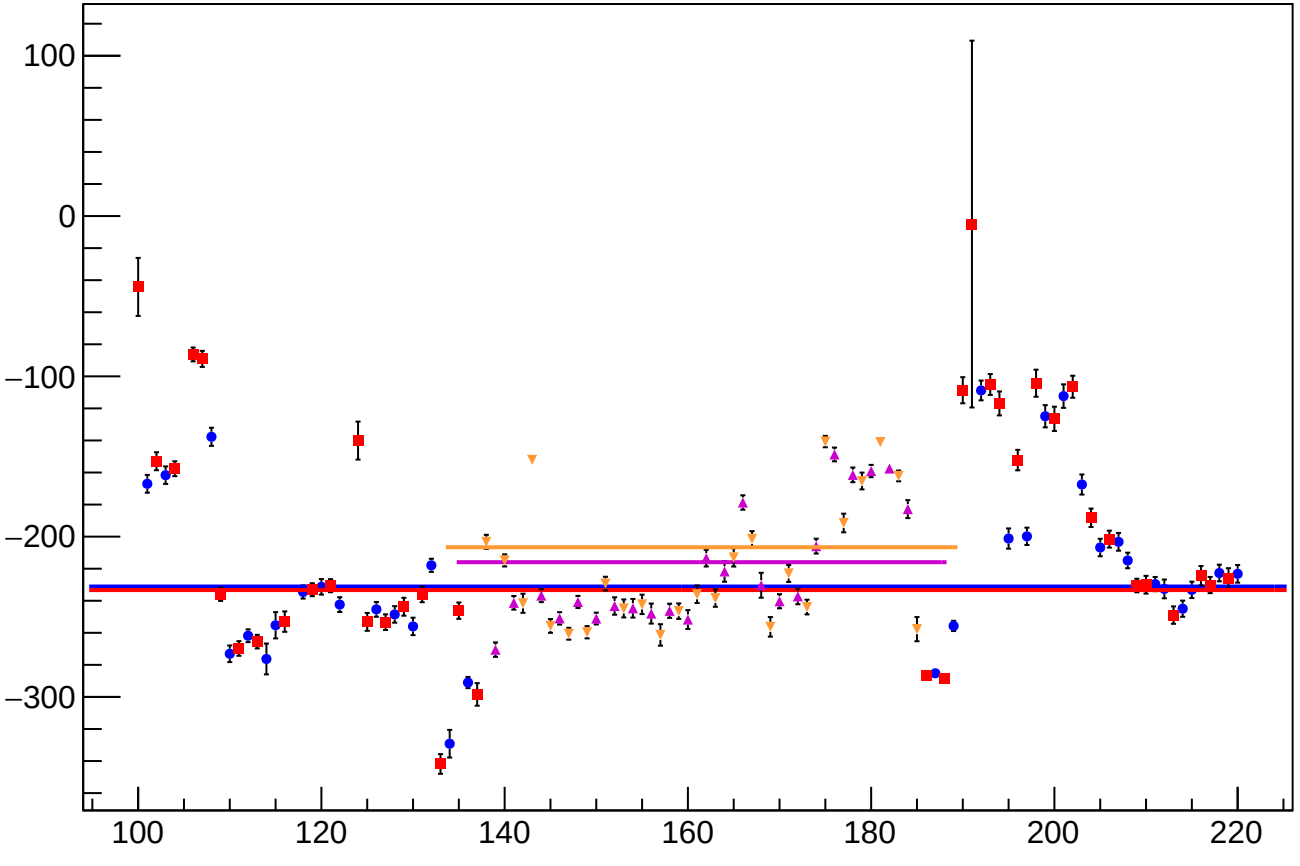
Right: -7.436+/-0.651 χ^2/NDF: 1894.7/69

In: 0.724+/-0.572 χ^2/NDF:1535.7/55

Out: -1.650+/-0.533 χ^2/NDF:1677.6/61

All: -0.548+/-0.390 χ^2/NDF: 3222.5/117

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -231.124+/-0.865 χ^2/NDF: 2695.6/32

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

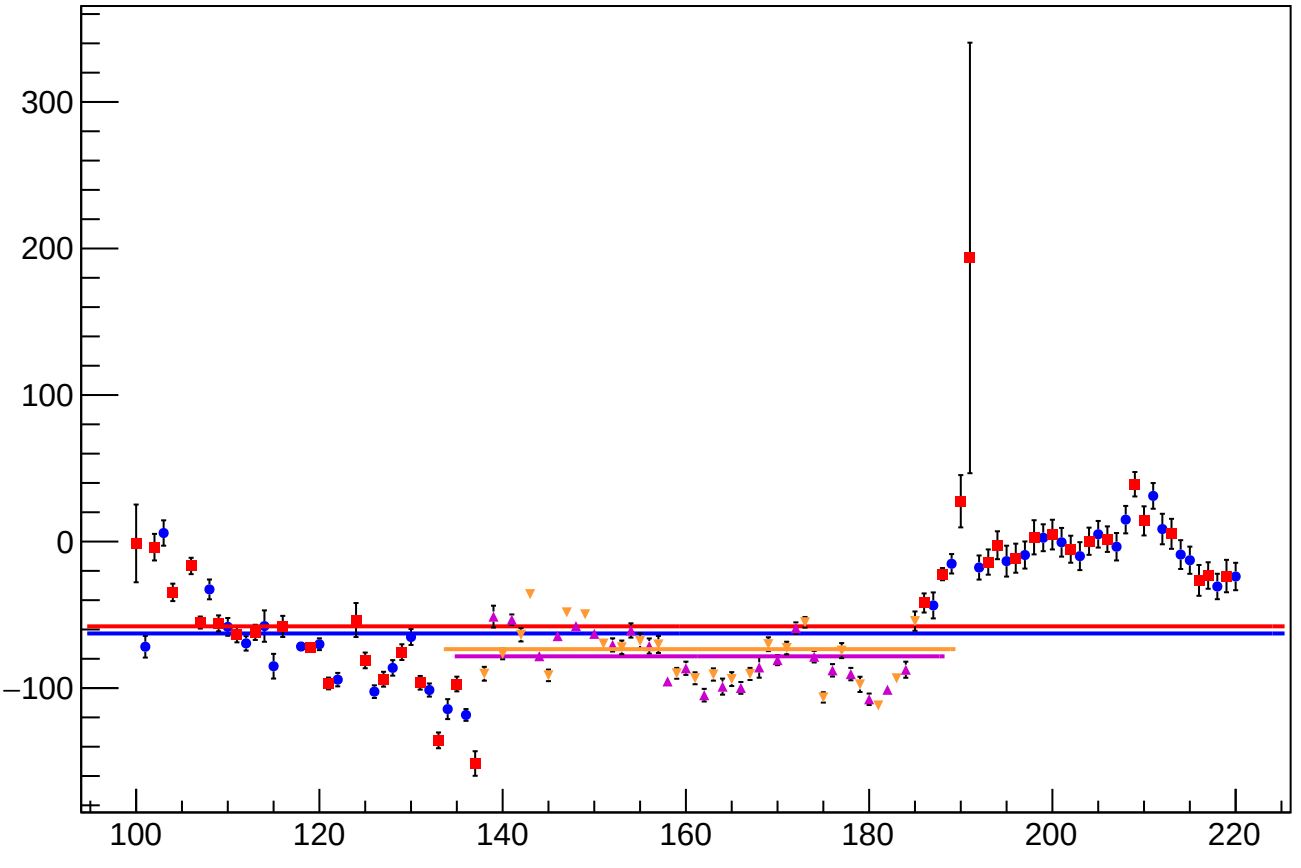
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.350+/-0.578 χ^2/NDF: 9371.6/69

In: -224.206+/-0.639 χ^2/NDF:4547.8/55

Out: -221.847+/-0.587 χ^2/NDF:9648.5/61

All: -222.926+/-0.432 χ^2/NDF: 14203.7/117



Right In: -62.715+/-1.110 χ^2/NDF: 1256.8/32

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

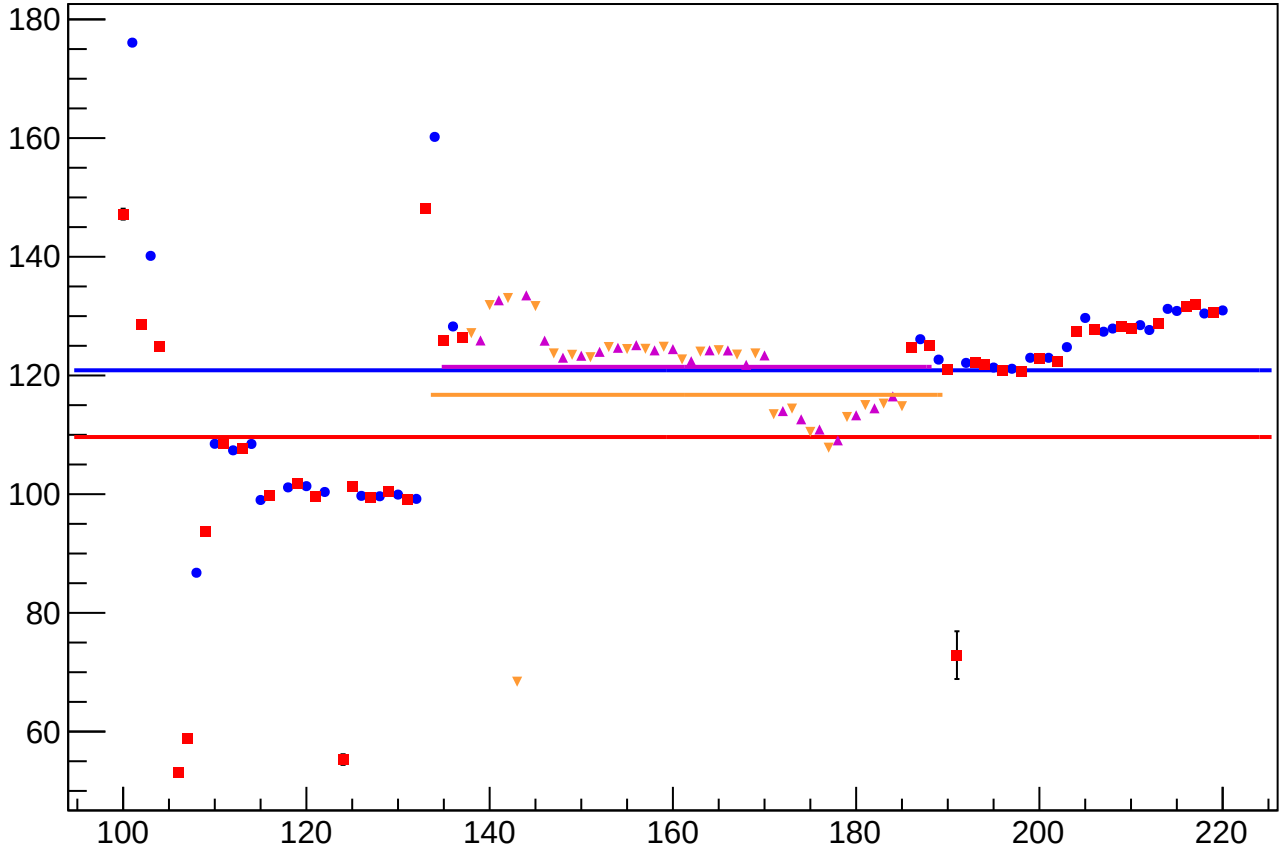
Right: -60.164+/-0.765 χ^2/NDF: 2664.0/69

In: -72.839+/-0.658 χ^2/NDF:1828.3/55

Out: -68.047+/-0.621 χ^2/NDF:2376.1/61

All: -70.302+/-0.451 χ^2/NDF: 4232.5/117

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.875+/-0.058 χ^2/NDF: 100605.3/32

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

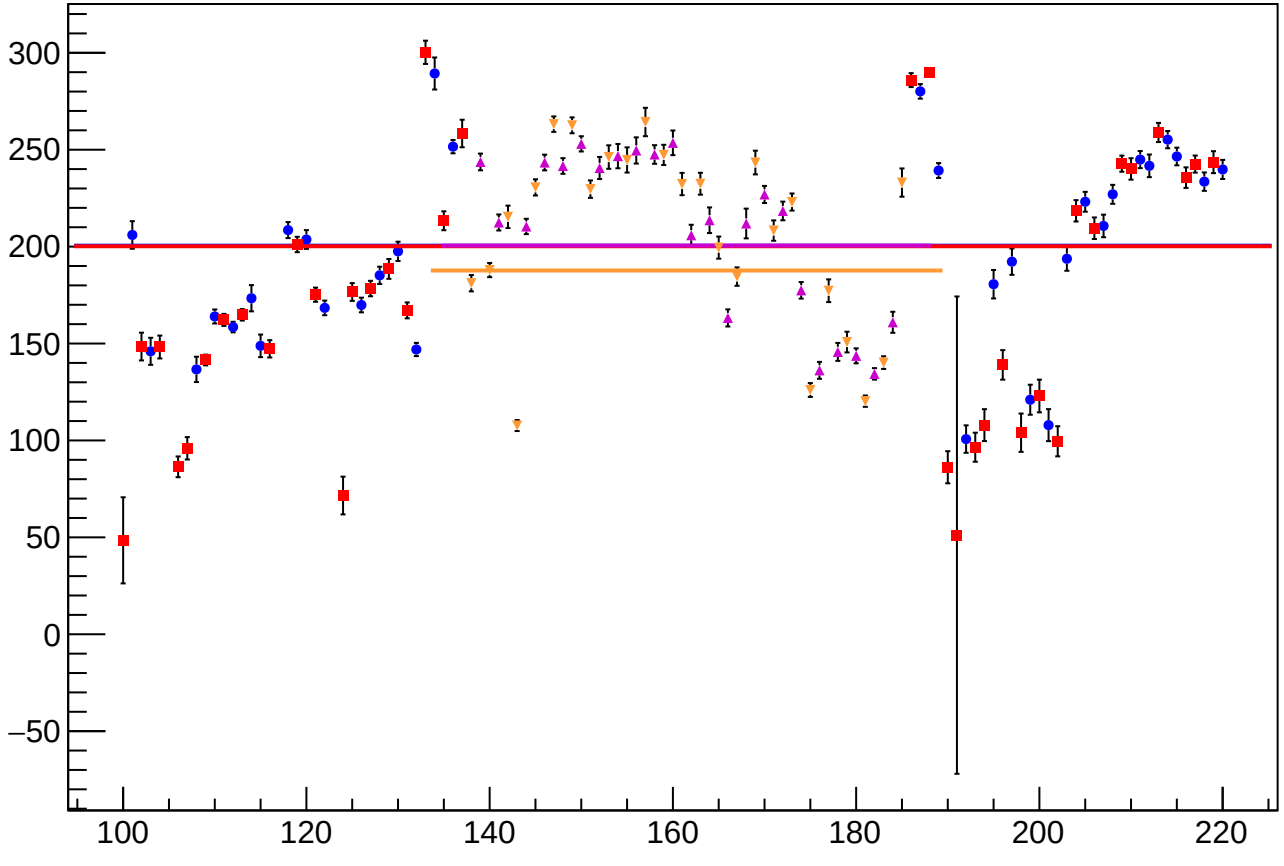
Right: 114.824+/-0.040 χ^2/NDF: 338371.2/69

In: 121.288+/-0.031 χ^2/NDF:129471.7/55

Out: 114.579+/-0.030 χ^2/NDF:433512.6/61

All: 117.764+/-0.022 χ^2/NDF: 586914.0/117

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 200.481+/-0.824 χ^2/NDF: 2885.7/32

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

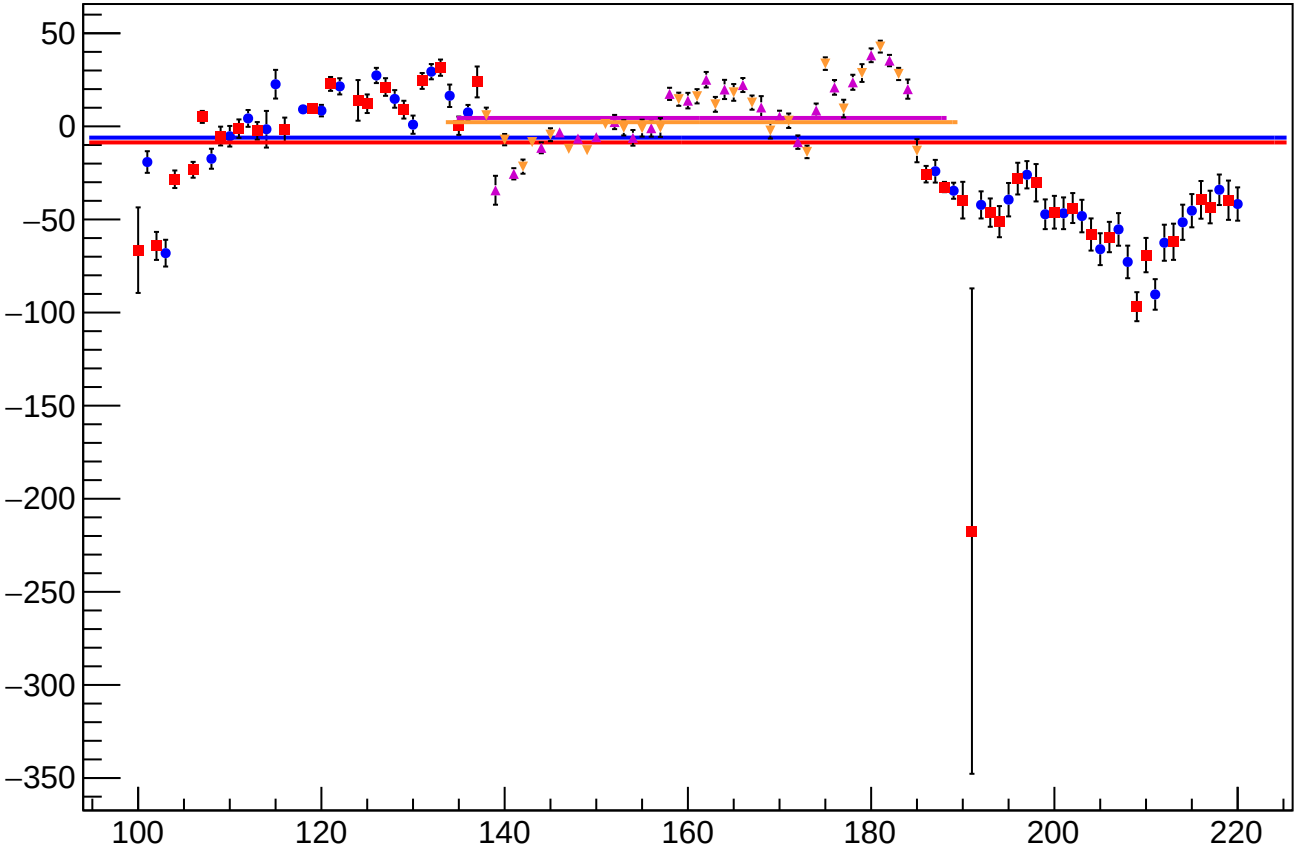
Right: 200.324+/-0.560 χ^2/NDF: 9467.6/69

In: 200.498+/-0.624 χ^2/NDF:4997.2/55

Out: 194.934+/-0.582 χ^2/NDF:10222.7/61

All: 197.522+/-0.425 χ^2/NDF: 15262.4/117

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.052+/-0.955 χ^2/NDF: 910.1/32

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

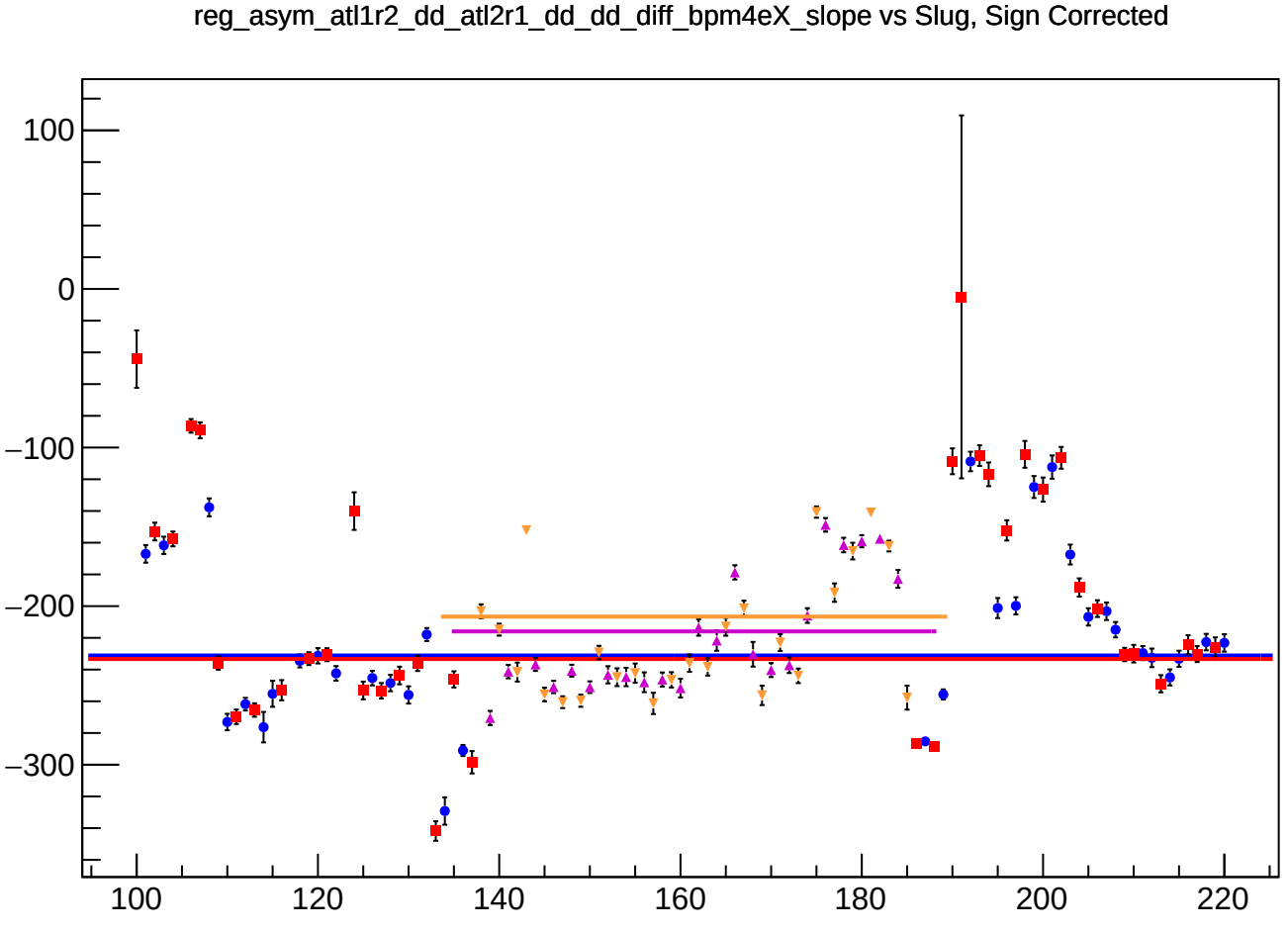
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -7.436+/-0.651 χ^2/NDF: 1894.7/69

In: 0.724+/-0.572 χ^2/NDF:1535.7/55

Out: -1.650+/-0.533 χ^2/NDF:1677.6/61

All: -0.548+/-0.390 χ^2/NDF: 3222.5/117



Right In: -231.124+/-0.865 χ^2/NDF: 2695.6/32

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

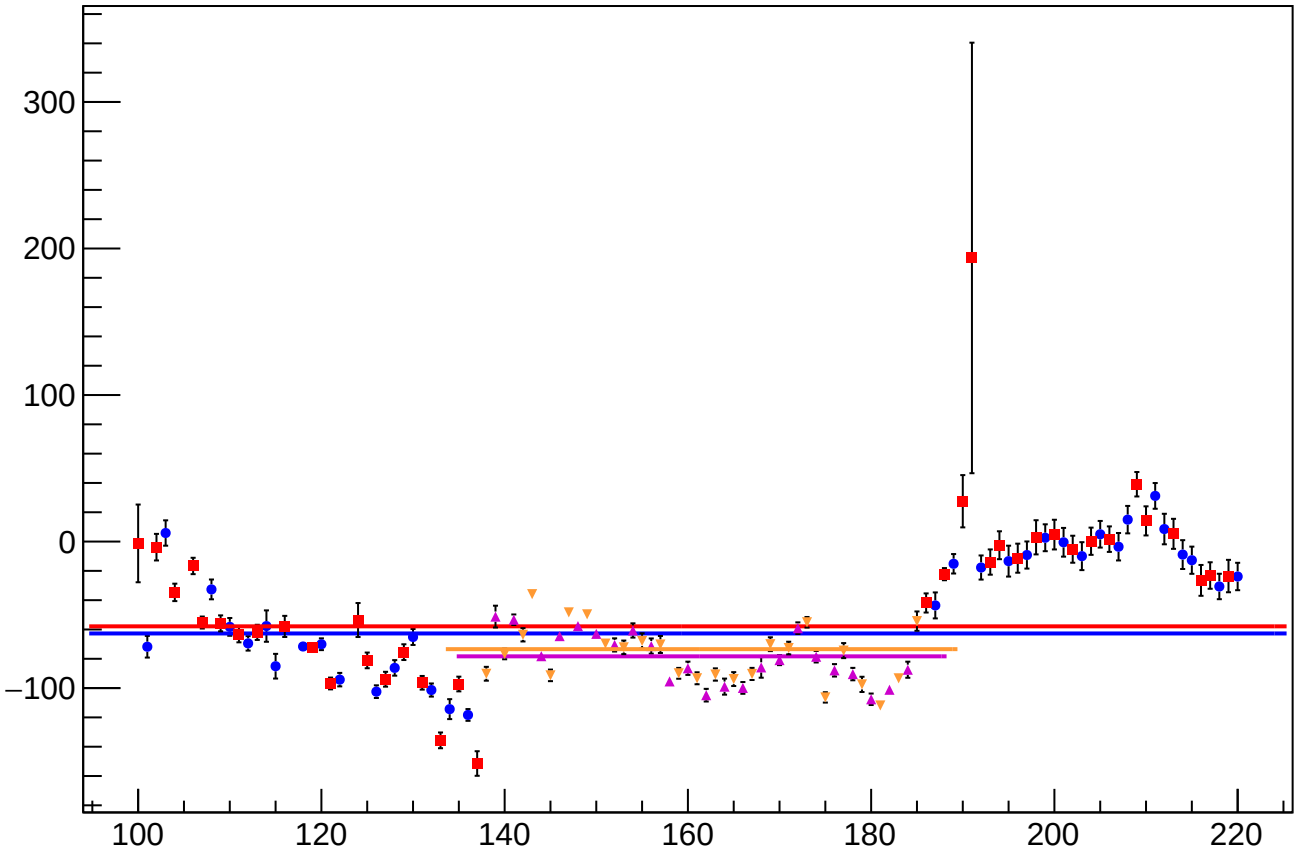
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.350+/-0.578 χ^2/NDF: 9371.6/69

In: -224.206+/-0.639 χ^2/NDF:4547.8/55

Out: -221.847+/-0.587 χ^2/NDF:9648.5/61

All: -222.926+/-0.432 χ^2/NDF: 14203.7/117



Right In: -62.715+/-1.110 χ^2/NDF: 1256.8/32

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

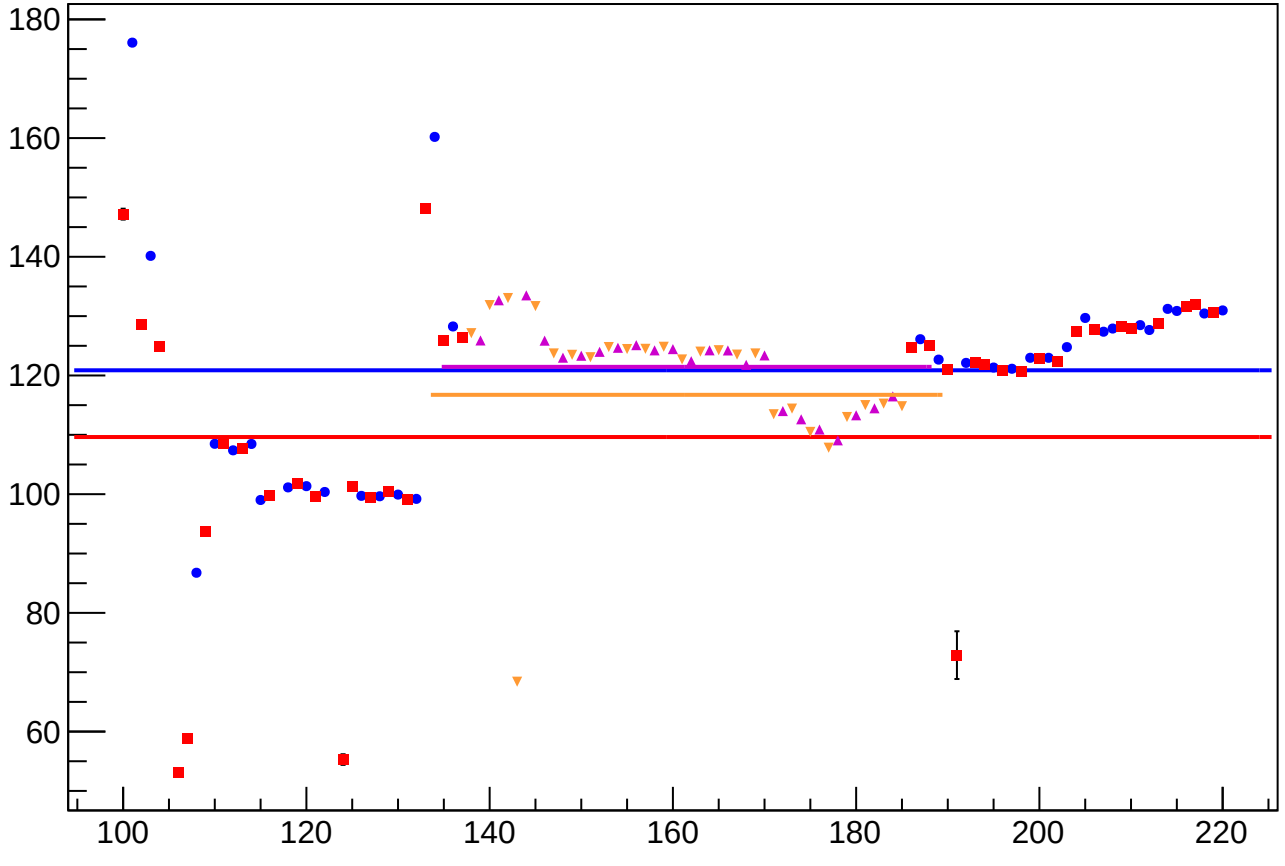
Right: -60.164+/-0.765 χ^2/NDF: 2664.0/69

In: -72.839+/-0.658 χ^2/NDF:1828.3/55

Out: -68.047+/-0.621 χ^2/NDF:2376.1/61

All: -70.302+/-0.451 χ^2/NDF: 4232.5/117

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.875+/-0.058 χ^2/NDF: 100605.3/32

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

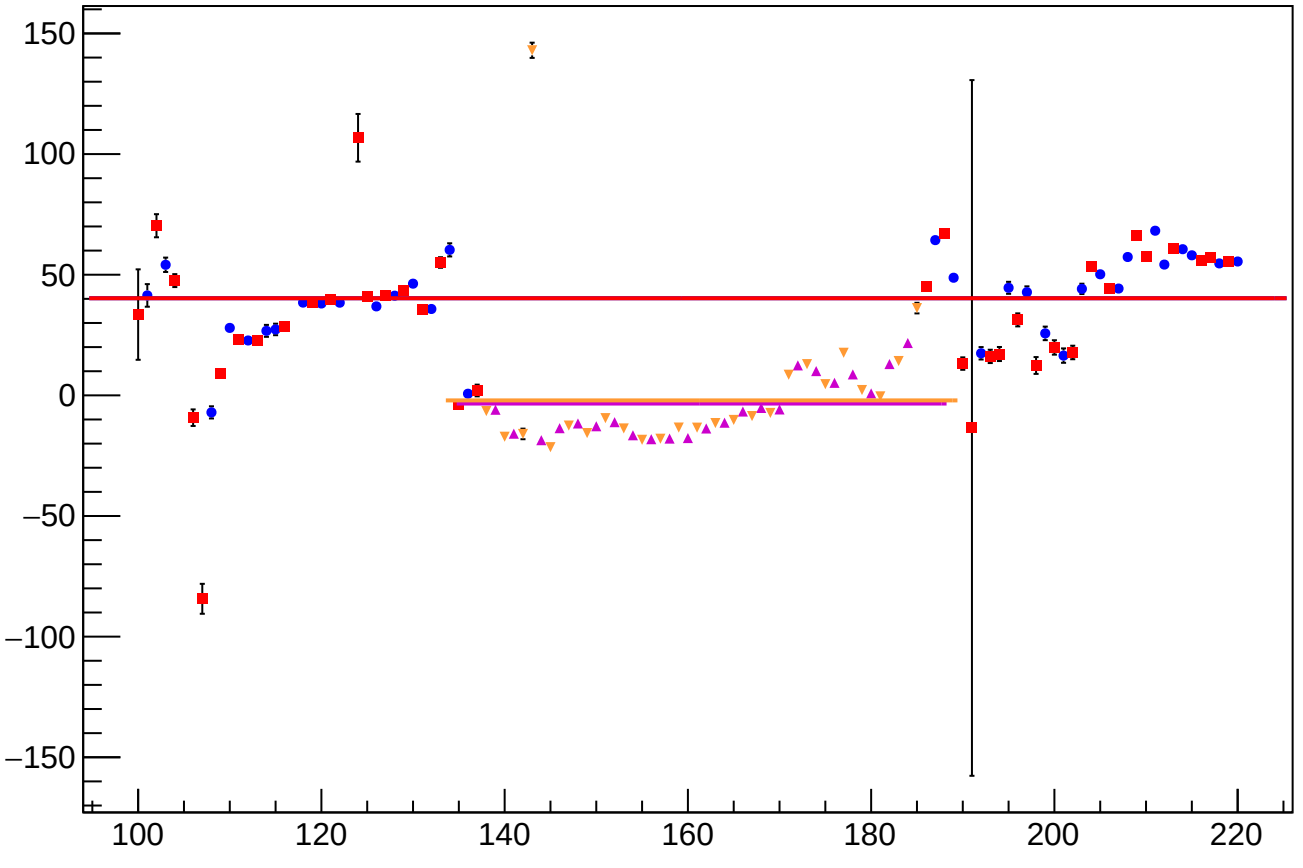
Right: 114.824+/-0.040 χ^2/NDF: 338371.2/69

In: 121.288+/-0.031 χ^2/NDF:129471.7/55

Out: 114.579+/-0.030 χ^2/NDF:433512.6/61

All: 117.764+/-0.022 χ^2/NDF: 586914.0/117

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 40.258+/-0.306 χ^2/NDF: 3467.9/32

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 40.249+/-0.282 χ^2/NDF: 5579.2/36

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

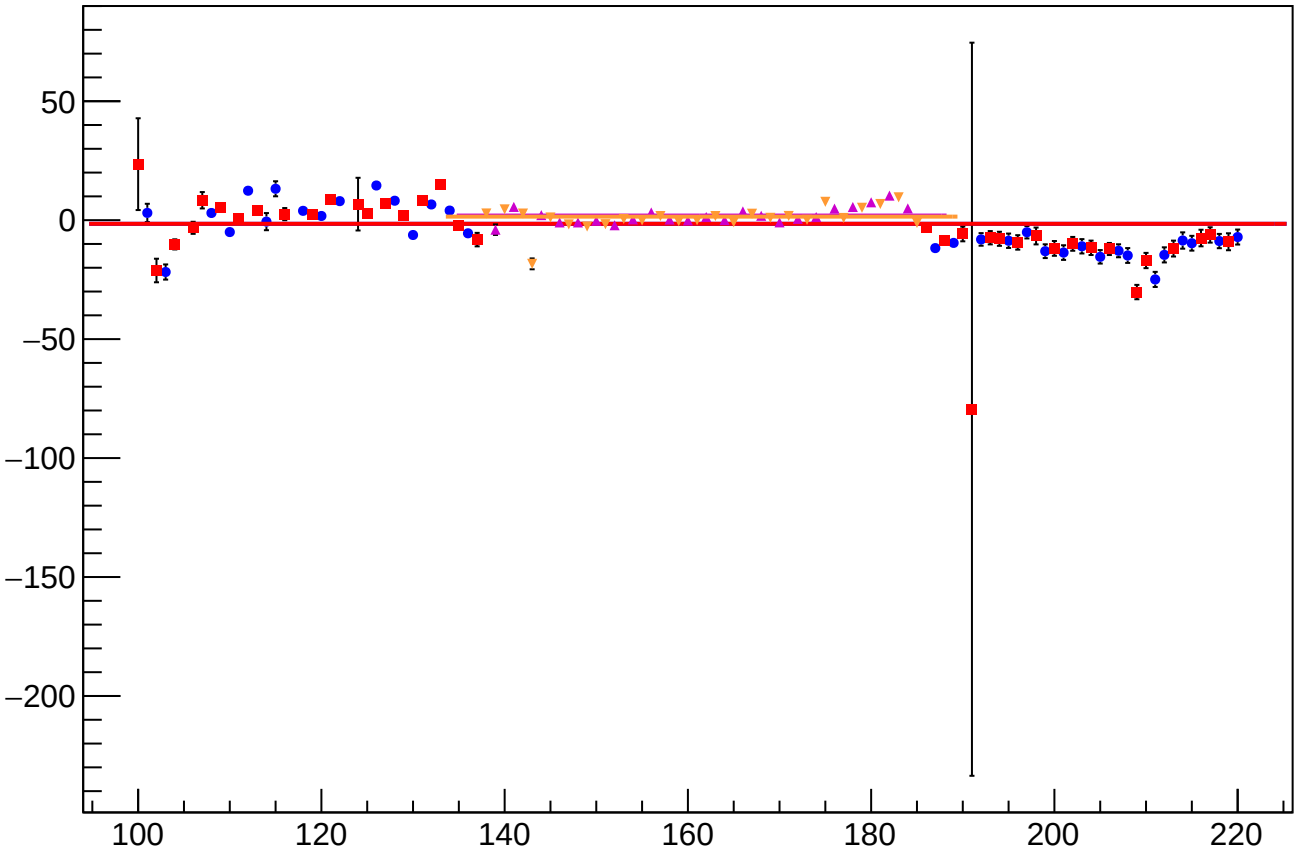
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 40.253+/-0.208 χ^2/NDF: 9047.1/69

In: 15.800+/-0.203 χ^2/NDF:16602.2/55

Out: 17.869+/-0.194 χ^2/NDF:21655.6/61

All: 16.882+/-0.140 χ^2/NDF: 38312.1/117



Right In: -1.543+/-0.366 χ^2/NDF: 607.9/32

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.527+/-0.346 χ^2/NDF: 548.4/36

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

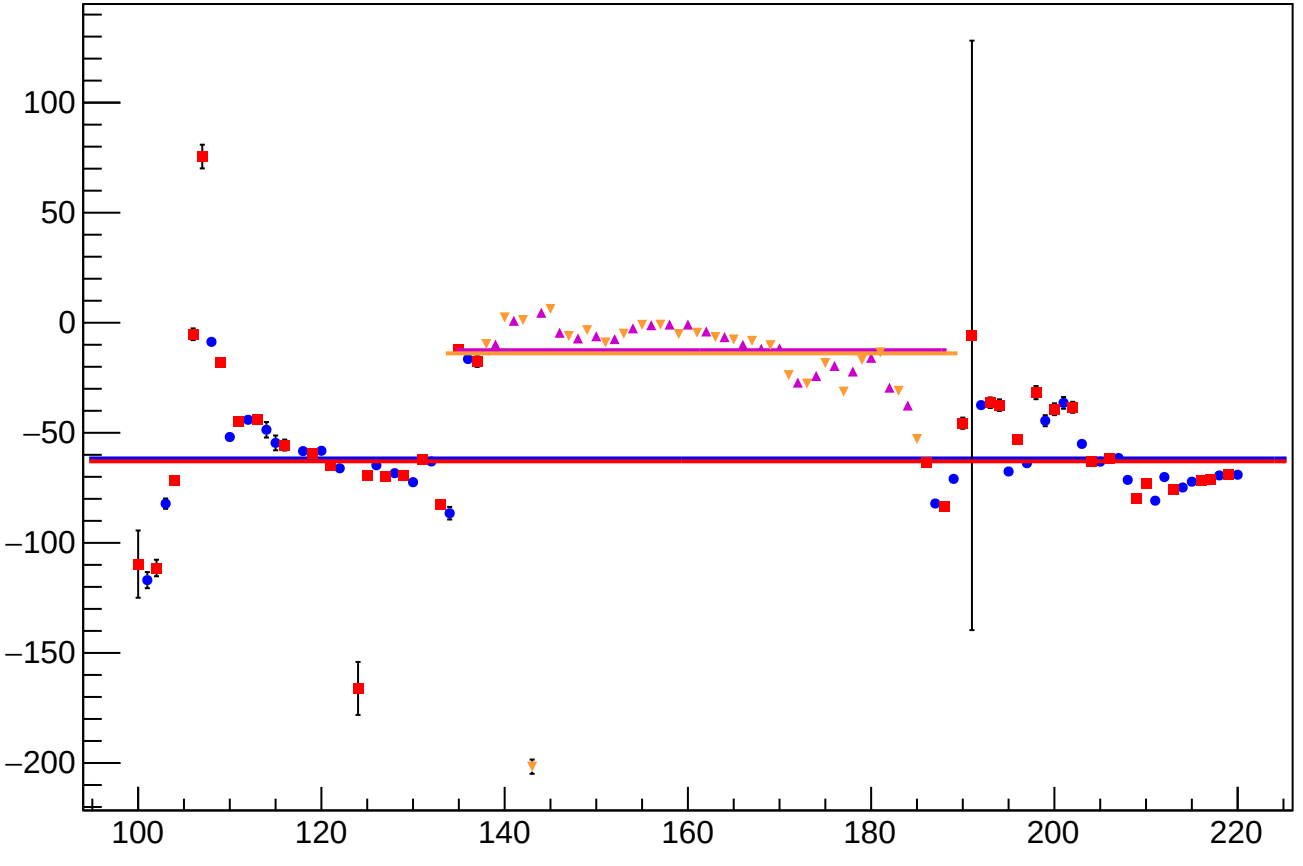
Right: -1.535+/-0.251 χ^2/NDF: 1156.3/69

In: 1.069+/-0.182 χ^2/NDF:916.3/55

Out: 0.706+/-0.176 χ^2/NDF:933.2/61

All: 0.881+/-0.127 χ^2/NDF: 1851.6/117

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.666+/-0.319 χ^2/NDF: 3697.8/32

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.948+/-0.282 χ^2/NDF: 5722.2/36

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

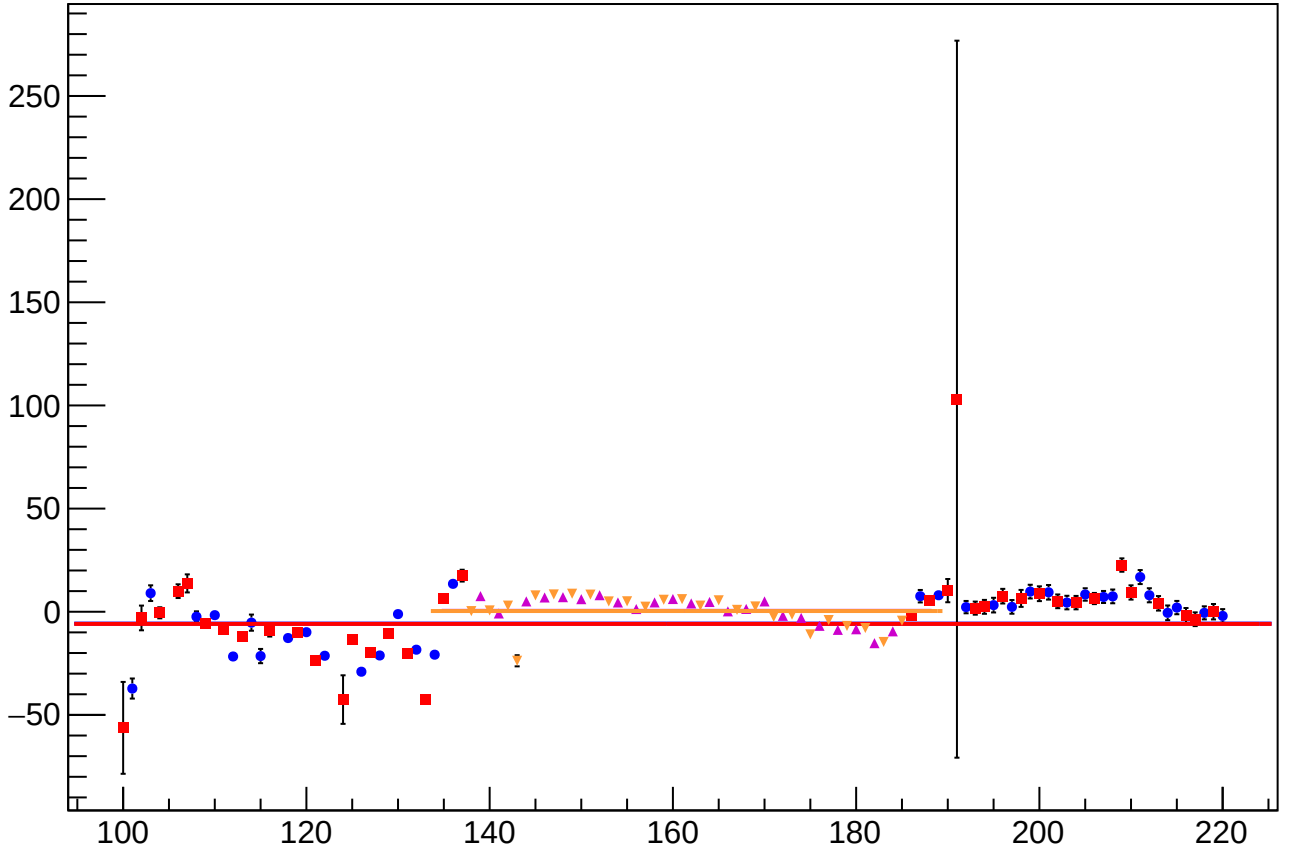
Right: -62.386+/-0.211 χ^2/NDF: 9429.1/69

In: -32.887+/-0.206 χ^2/NDF:19017.0/55

Out: -36.882+/-0.193 χ^2/NDF:26929.5/61

All: -35.011+/-0.141 χ^2/NDF: 46147.2/117

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.748+/-0.422 χ^2/NDF: 1014.1/32

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -5.894+/-0.412 χ^2/NDF: 1054.4/36

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

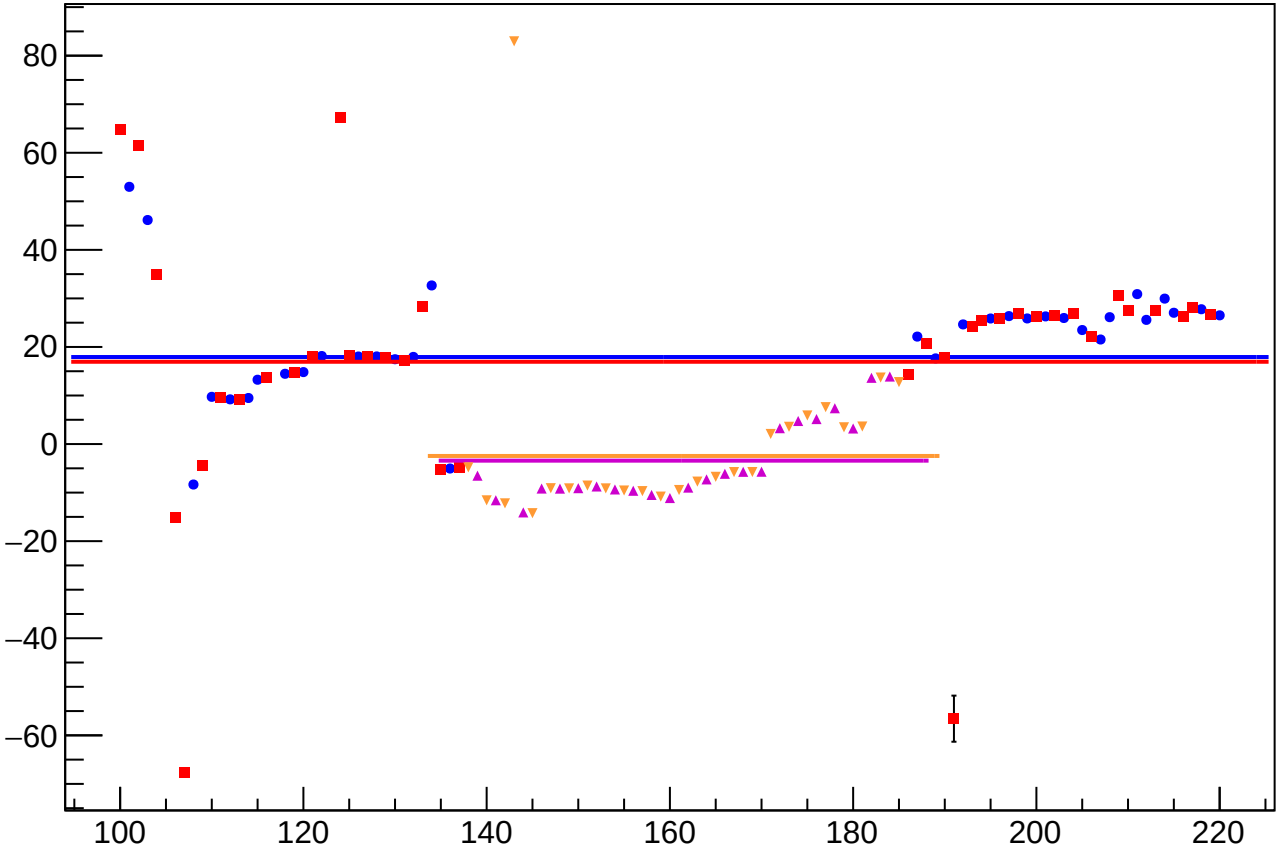
Right: -5.823+/-0.295 χ^2/NDF: 2068.6/69

In: -1.044+/-0.206 χ^2/NDF:1959.2/55

Out: -1.148+/-0.202 χ^2/NDF:2150.4/61

All: -1.097+/-0.144 χ^2/NDF: 4109.7/117

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 17.928+/-0.021 χ^2/NDF: 460259.9/32

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.952+/-0.021 χ^2/NDF: 582896.6/36

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

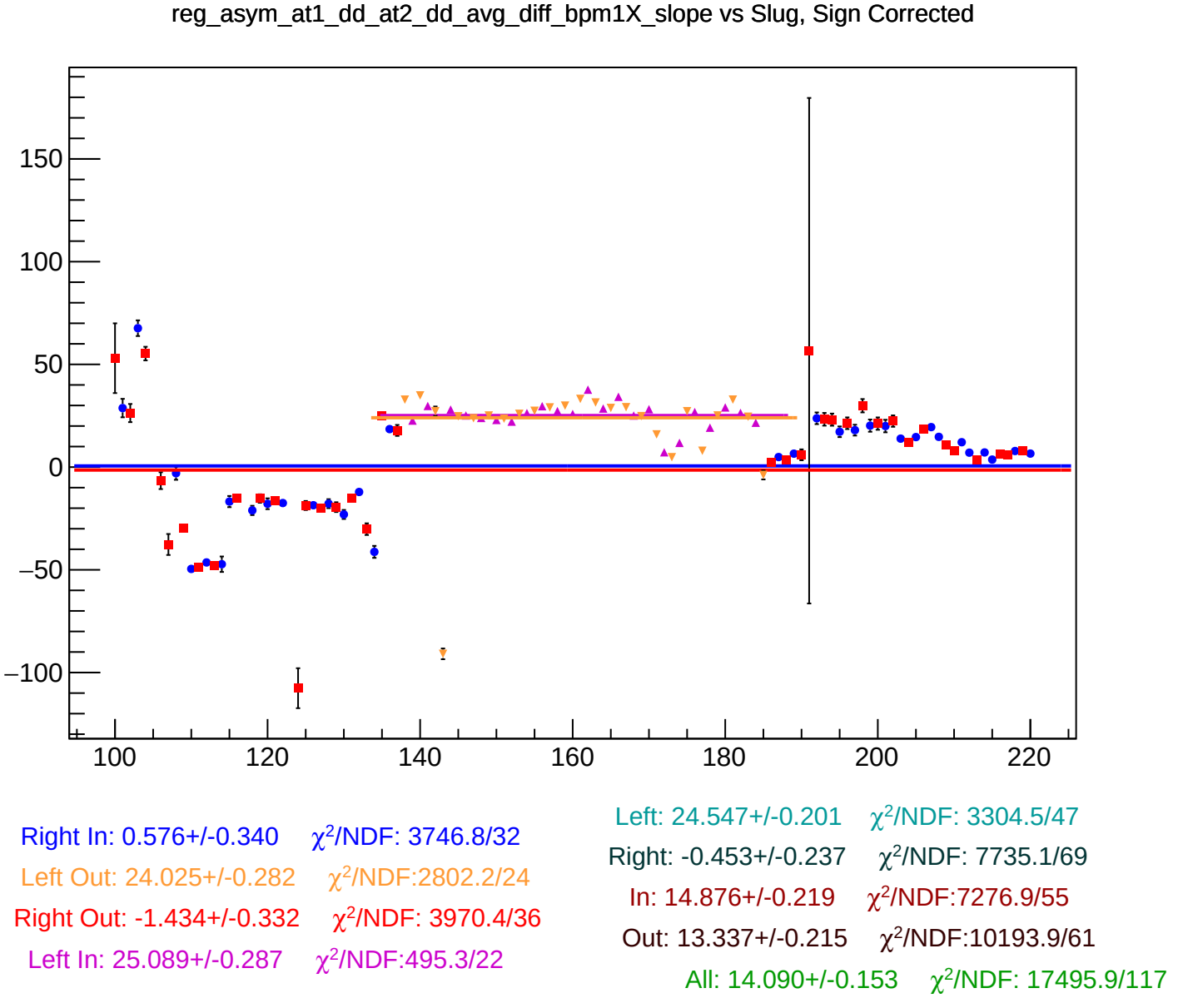
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.440+/-0.015 χ^2/NDF: 1044190.5/69

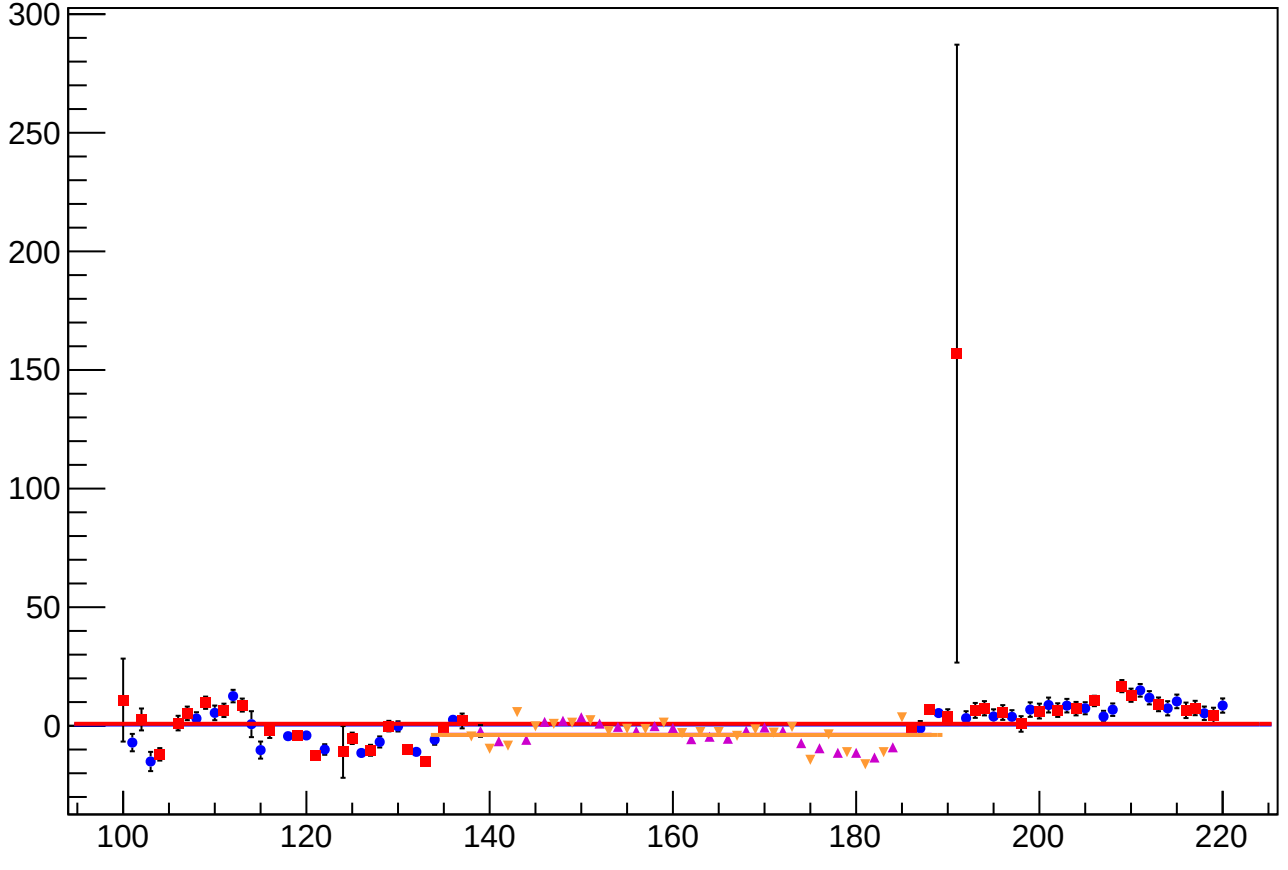
In: 0.668+/-0.009 χ^2/NDF:1807334.1/55

Out: 1.212+/-0.009 χ^2/NDF:2208077.6/61

All: 0.942+/-0.007 χ^2/NDF: 4017099.3/117


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: 0.576+/-0.340 χ²/NDF: 3746.8/32
Left Out: 24.025+/-0.282 χ²/NDF:2802.2/24
Right Out: -1.434+/-0.332 χ²/NDF: 3970.4/36
Left In: 25.089+/-0.287 χ²/NDF:495.3/22
Left: 24.547+/-0.201 χ²/NDF: 3304.5/47
Right: -0.453+/-0.237 χ²/NDF: 7735.1/69
In: 14.876+/-0.219 χ²/NDF:7276.9/55
Out: 13.337+/-0.215 χ²/NDF:10193.9/61
All: 14.090+/-0.153 χ²/NDF: 17495.9/117

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.544+/-0.427 χ^2/NDF: 296.8/32

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.852+/-0.417 χ^2/NDF: 364.6/36

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

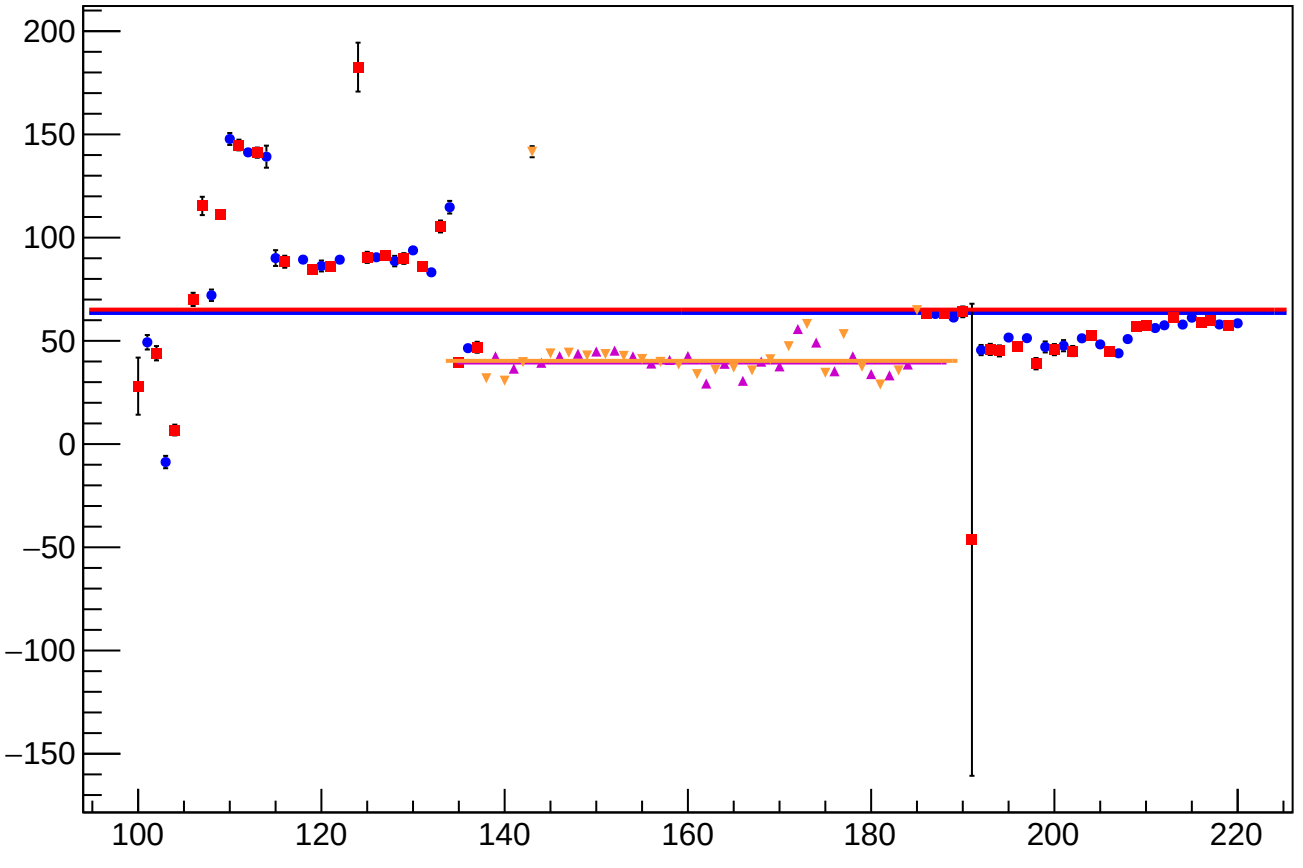
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.702+/-0.298 χ^2/NDF: 661.6/69

In: -2.848+/-0.198 χ^2/NDF:887.2/55

Out: -2.837+/-0.193 χ^2/NDF:1113.8/61

All: -2.842+/-0.138 χ^2/NDF: 2001.0/117



Right In: 63.508+/-0.353 χ^2/NDF: 4696.5/32

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

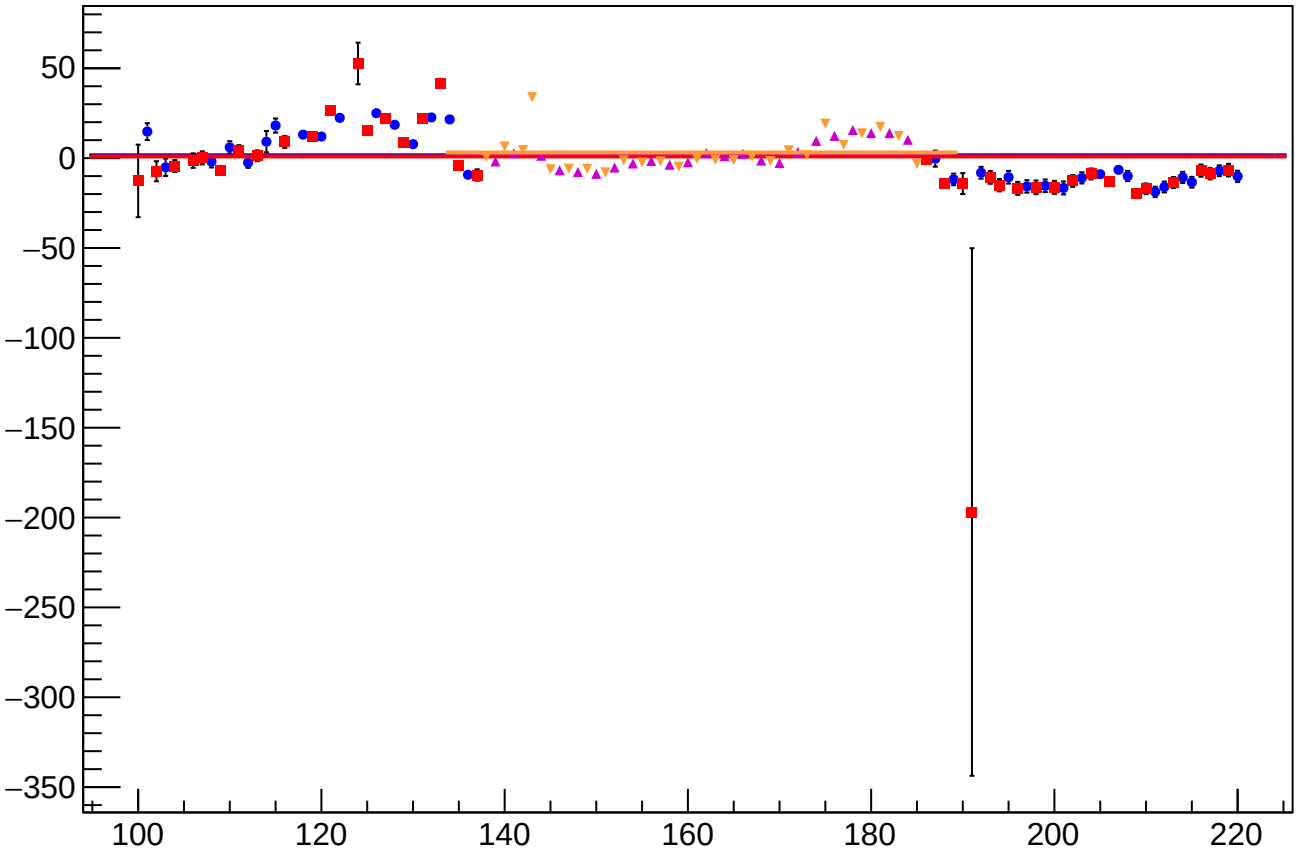
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.360+/-0.243 χ^2/NDF: 9580.4/69

In: 48.977+/-0.222 χ^2/NDF:7933.5/55

Out: 50.517+/-0.215 χ^2/NDF:10281.1/61

All: 49.770+/-0.154 χ^2/NDF: 18239.6/117



Right In: 1.589+/-0.483 χ^2/NDF: 873.5/32

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

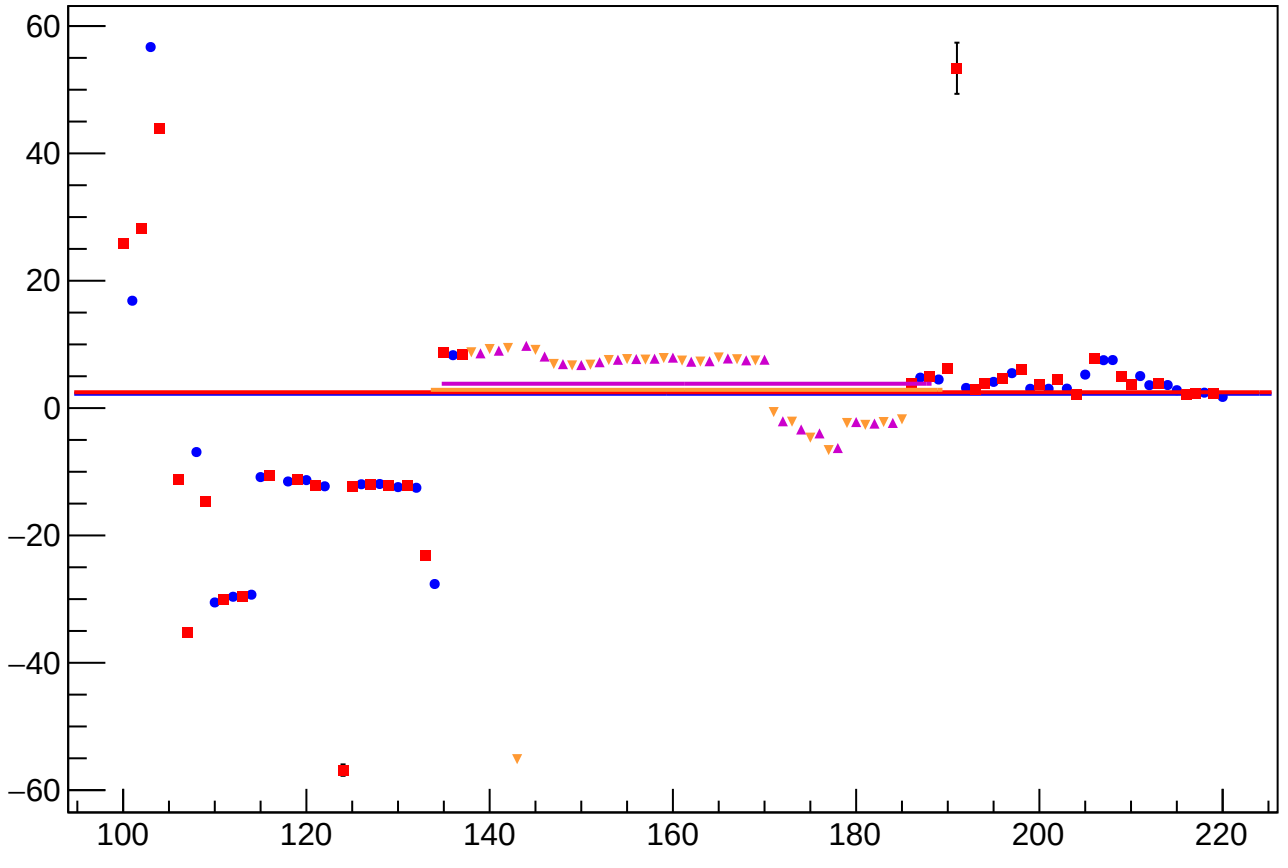
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.267+/-0.342 χ^2/NDF: 1921.4/69

In: 2.321+/-0.223 χ^2/NDF:1844.6/55

Out: 2.694+/-0.219 χ^2/NDF:2330.4/61

All: 2.510+/-0.156 χ^2/NDF: 4176.4/117



Right In: 2.248+/-0.023 χ^2/NDF: 383021.9/32

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.488+/-0.023 χ^2/NDF: 330763.0/36

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

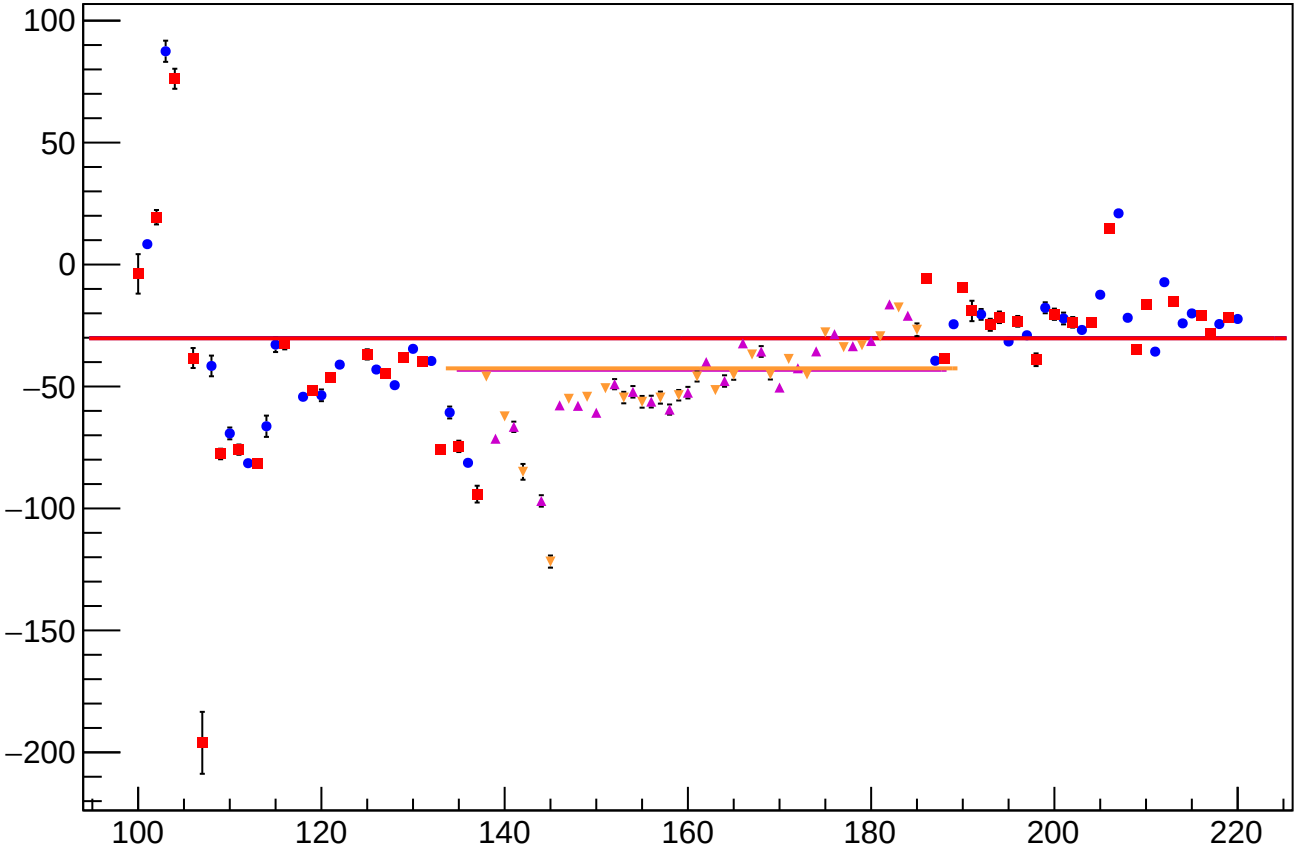
Right: 2.367+/-0.016 χ^2/NDF: 713837.7/69

In: 3.531+/-0.010 χ^2/NDF:620013.1/55

Out: 2.801+/-0.010 χ^2/NDF:843312.8/61

All: 3.163+/-0.007 χ^2/NDF: 1466000.0/117

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -30.166+/-0.311 χ^2/NDF: 5479.6/32

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -30.246+/-0.295 χ^2/NDF: 6589.8/35

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

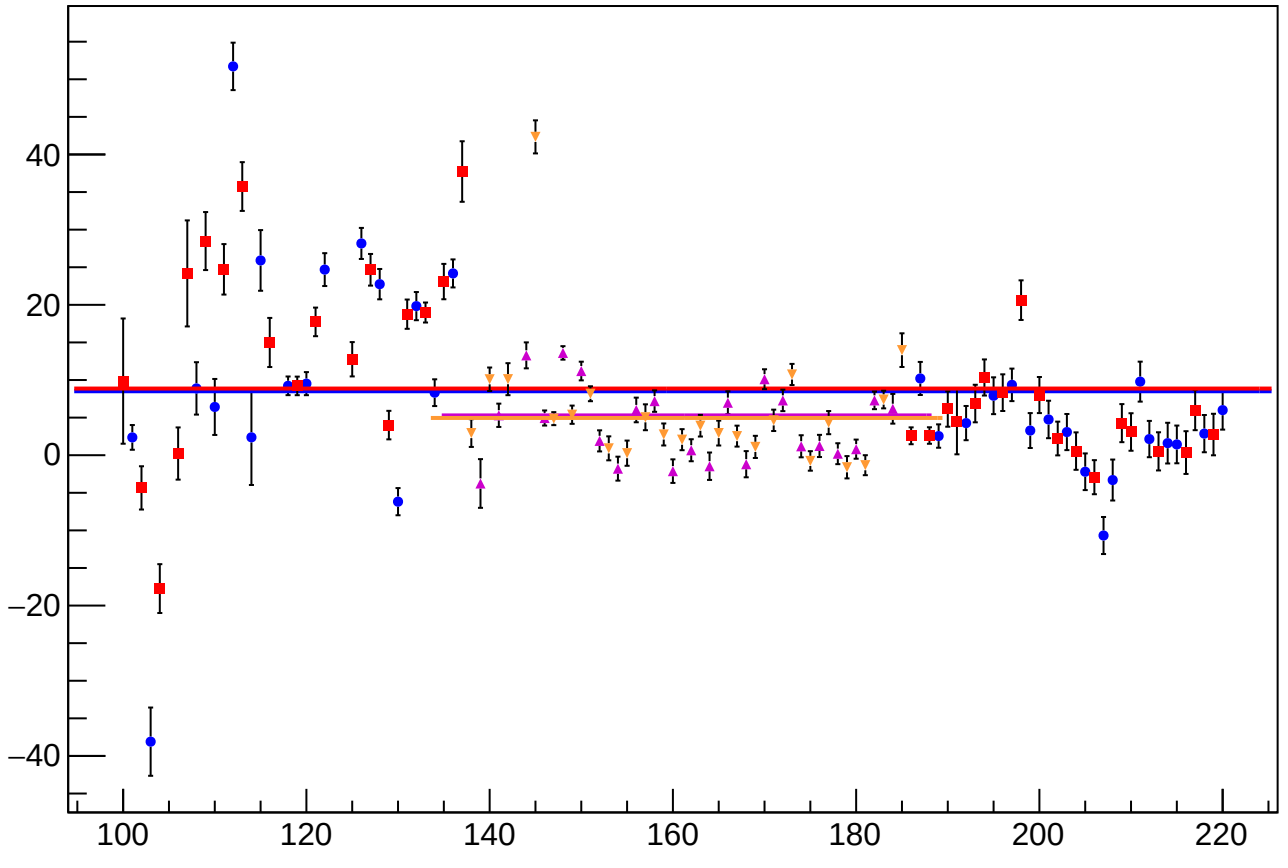
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -30.208+/-0.214 χ^2/NDF: 12069.5/68

In: -35.346+/-0.241 χ^2/NDF:8382.6/55

Out: -34.909+/-0.233 χ^2/NDF:9574.6/59

All: -35.120+/-0.167 χ^2/NDF: 17958.8/115



Right In: 8.507+/-0.383 χ^2/NDF: 853.7/32

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 8.865+/-0.366 χ^2/NDF: 647.4/35

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

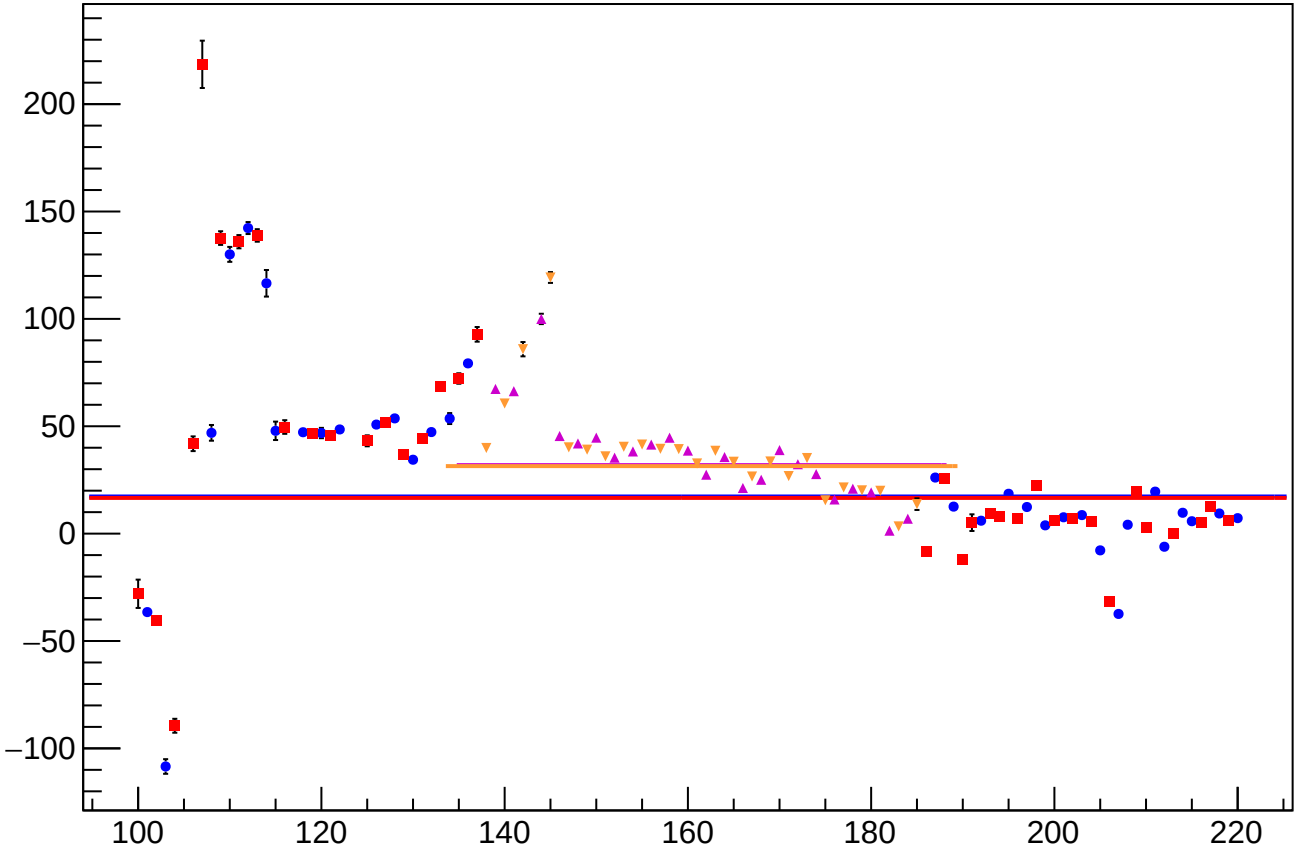
Right: 8.694+/-0.265 χ^2/NDF: 1501.6/68

In: 6.485+/-0.233 χ^2/NDF:1184.4/55

Out: 6.454+/-0.227 χ^2/NDF:1167.0/59

All: 6.469+/-0.163 χ^2/NDF: 2351.4/115

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.291+/-0.314 χ^2/NDF: 11213.0/32

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 16.635+/-0.286 χ^2/NDF: 12932.8/35

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

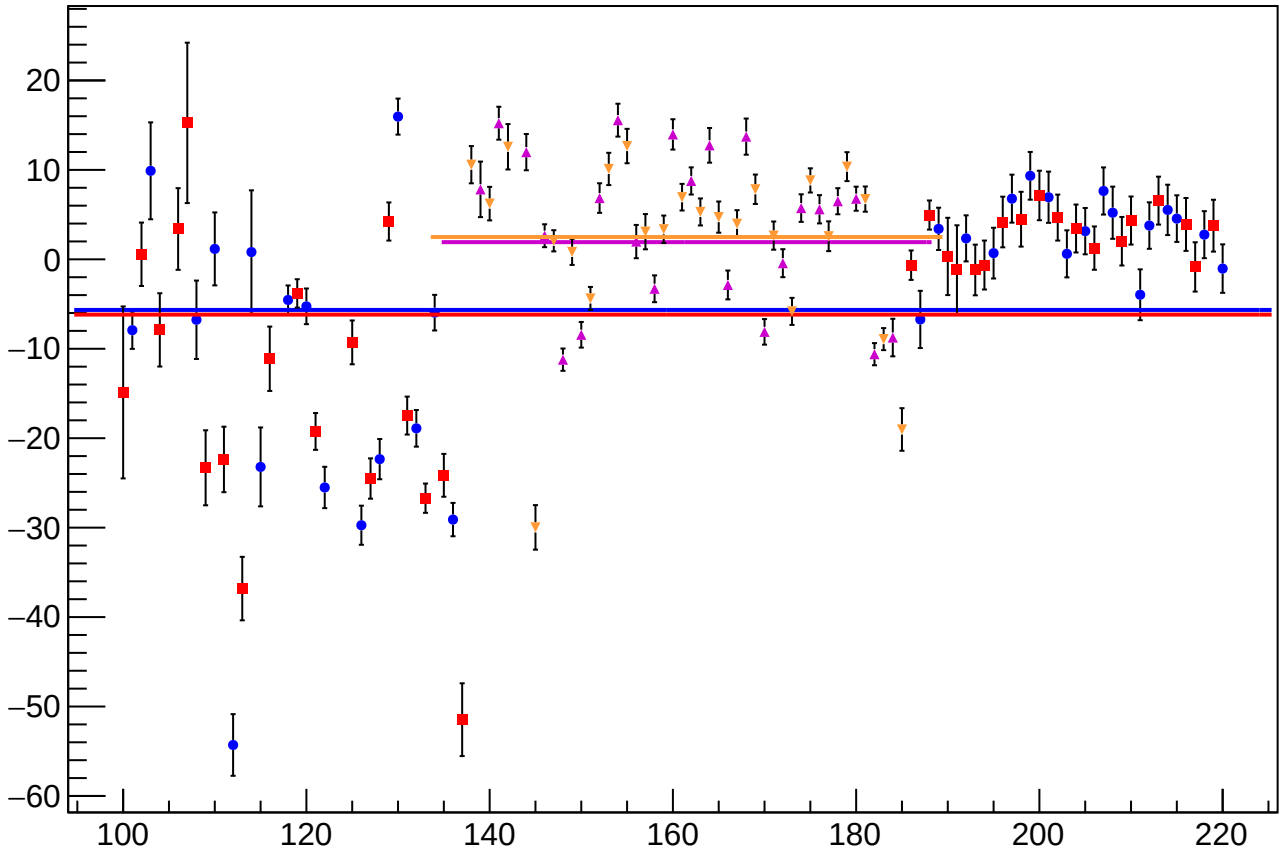
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 16.933+/-0.211 χ^2/NDF: 24148.1/68

In: 23.244+/-0.241 χ^2/NDF:14863.9/55

Out: 22.069+/-0.228 χ^2/NDF:16678.4/59

All: 22.622+/-0.166 χ^2/NDF: 31554.8/115



Right In: -5.658+/-0.442 χ^2/NDF: 1009.8/32

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -6.179+/-0.437 χ^2/NDF: 858.6/35

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

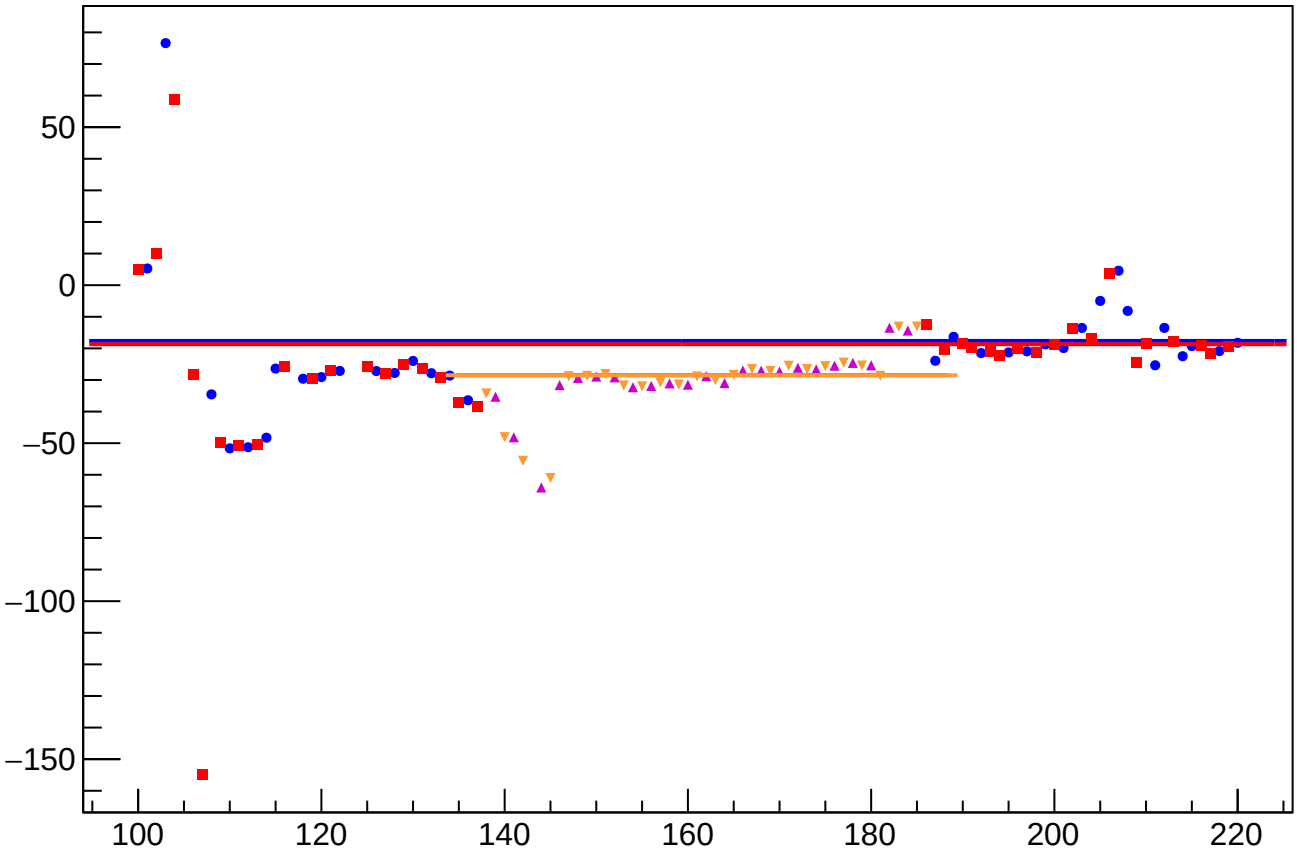
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -5.922+/-0.311 χ^2/NDF: 1869.1/68

In: -0.811+/-0.265 χ^2/NDF:1876.5/55

Out: -0.619+/-0.262 χ^2/NDF:1670.3/59

All: -0.714+/-0.186 χ^2/NDF: 3547.0/115



Right In: -17.647+/-0.021 χ^2/NDF: 732922.5/32

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.688+/-0.021 χ^2/NDF: 625747.0/35

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

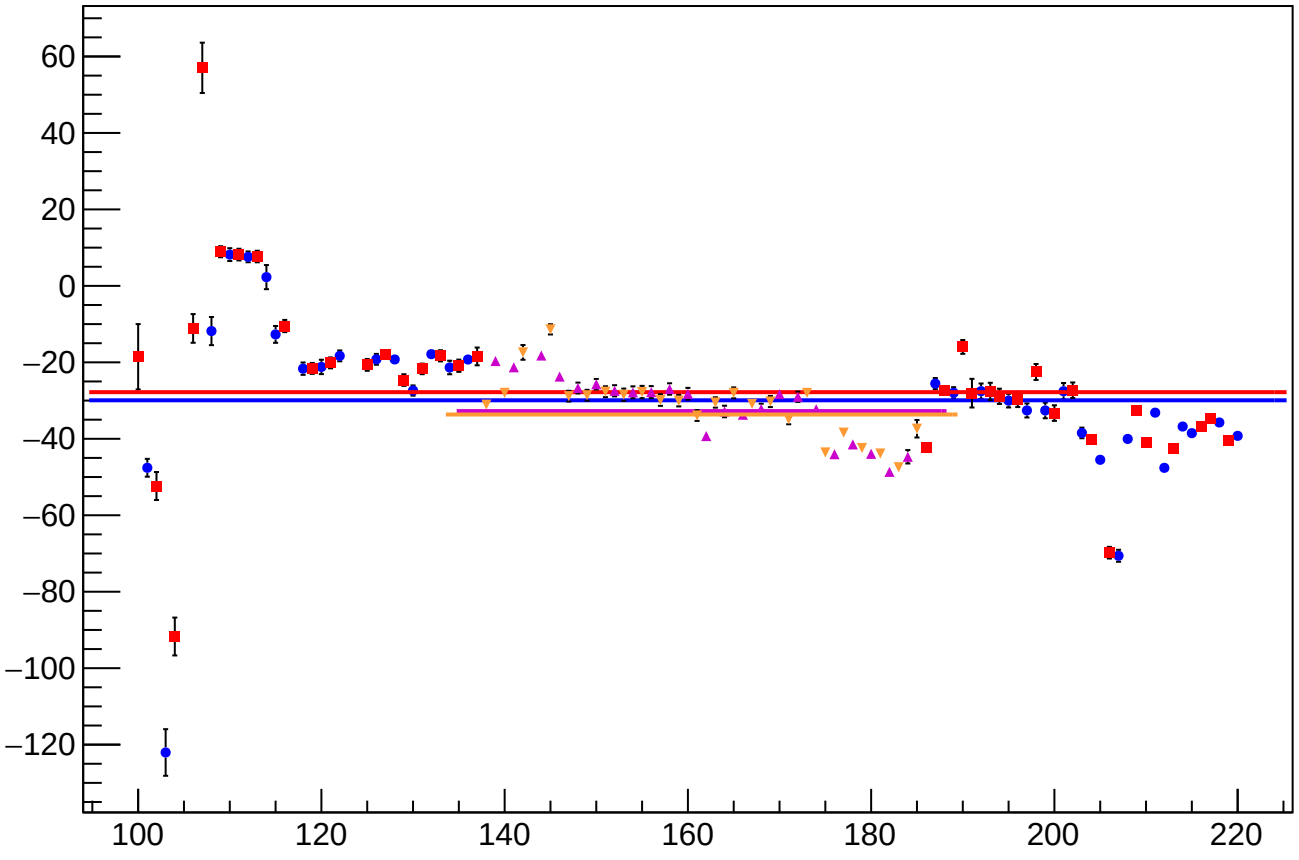
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -18.175+/-0.015 χ^2/NDF: 1359925.2/68

In: -24.877+/-0.012 χ^2/NDF:1199668.3/55

Out: -25.182+/-0.012 χ^2/NDF:1109650.3/59

All: -25.031+/-0.009 χ^2/NDF: 2309638.9/115



Right In: -29.928+/-0.251 χ^2/NDF: 3584.1/32

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -27.801+/-0.250 χ^2/NDF: 4140.7/35

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

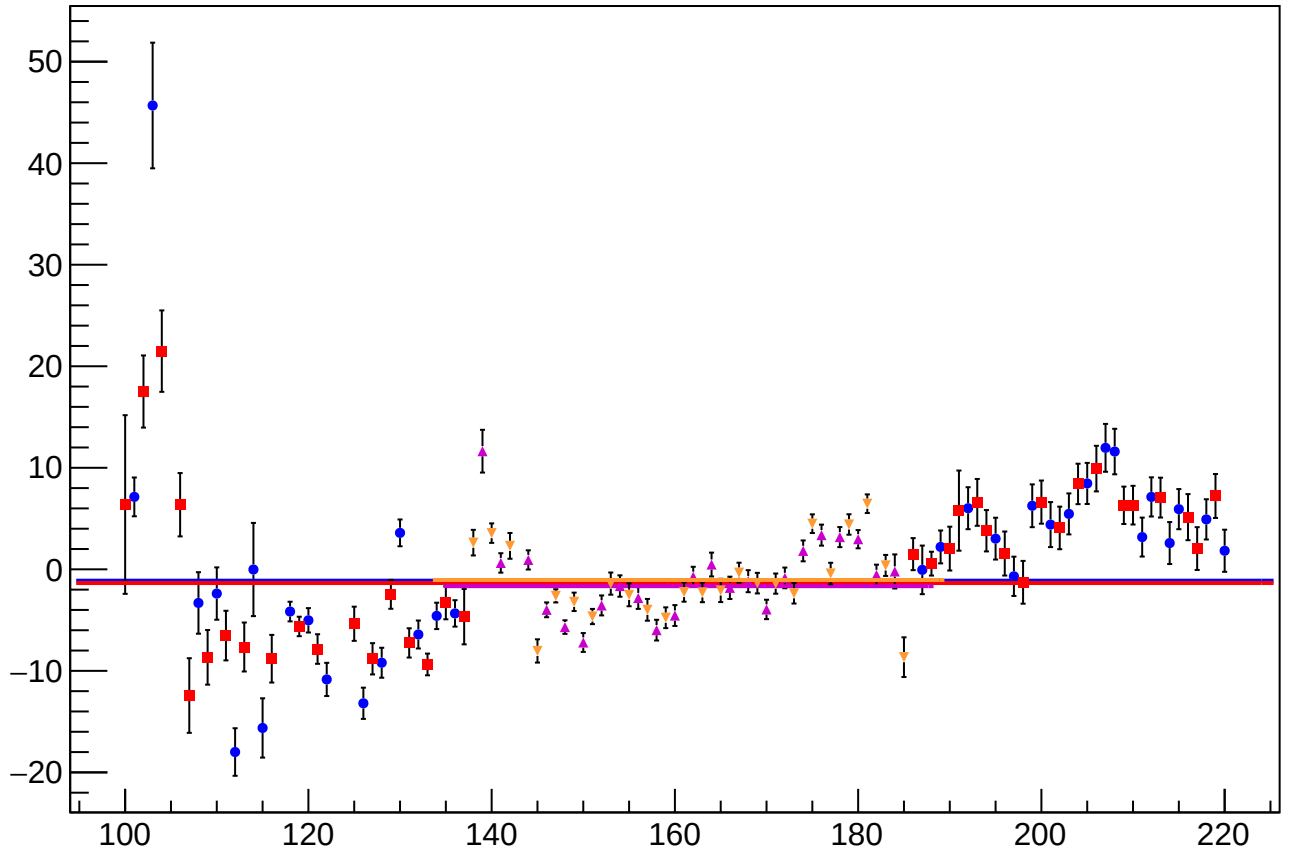
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -28.861+/-0.177 χ^2/NDF: 7760.9/68

In: -31.241+/-0.183 χ^2/NDF:4786.6/55

Out: -30.546+/-0.182 χ^2/NDF:5413.9/59

All: -30.891+/-0.129 χ^2/NDF: 10207.8/115



Right In: -1.120+/-0.311 χ^2/NDF: 527.0/32

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.349+/-0.311 χ^2/NDF: 430.8/35

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

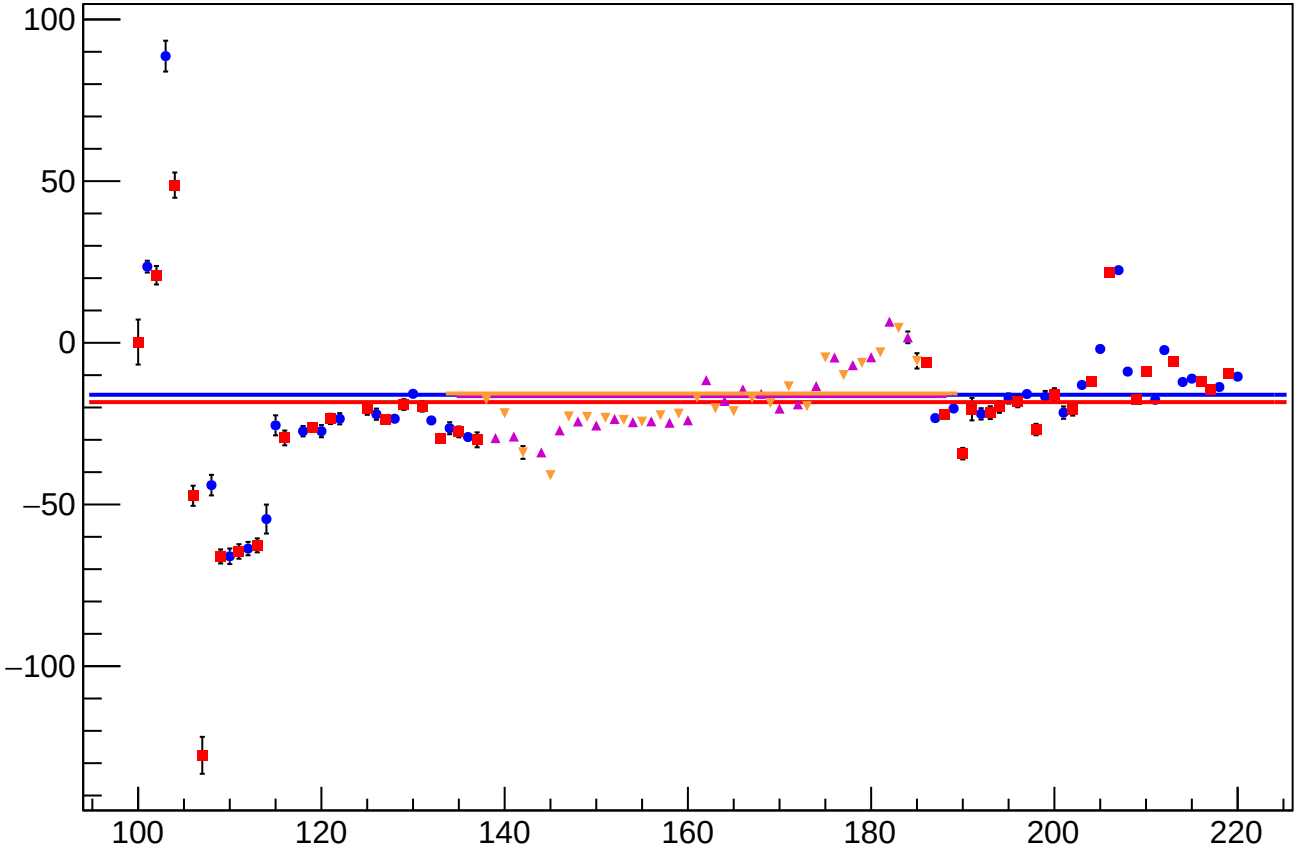
Right: -1.235+/-0.220 χ^2/NDF: 958.1/68

In: -1.494+/-0.172 χ^2/NDF:793.4/55

Out: -1.139+/-0.170 χ^2/NDF:720.9/59

All: -1.314+/-0.121 χ^2/NDF: 1516.4/115

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -16.066+/-0.261 χ^2/NDF: 3500.6/32

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -18.343+/-0.255 χ^2/NDF: 3811.5/35

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

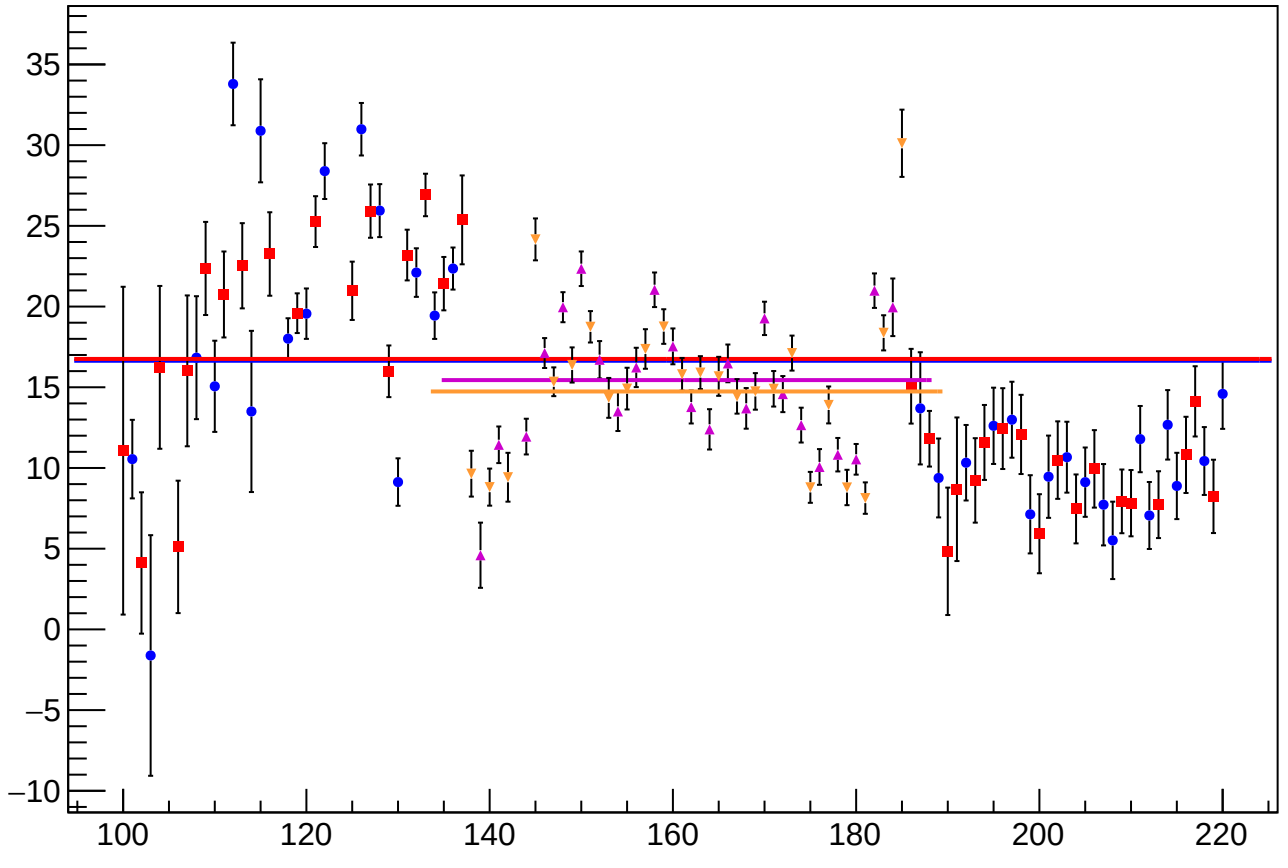
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -17.230+/-0.183 χ^2/NDF: 7350.9/68

In: -16.269+/-0.186 χ^2/NDF:5199.5/55

Out: -17.048+/-0.183 χ^2/NDF:5385.3/59

All: -16.665+/-0.131 χ^2/NDF: 10593.6/115



Right In: 16.643+/-0.354 χ^2/NDF: 454.3/32

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 16.755+/-0.360 χ^2/NDF: 373.2/35

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

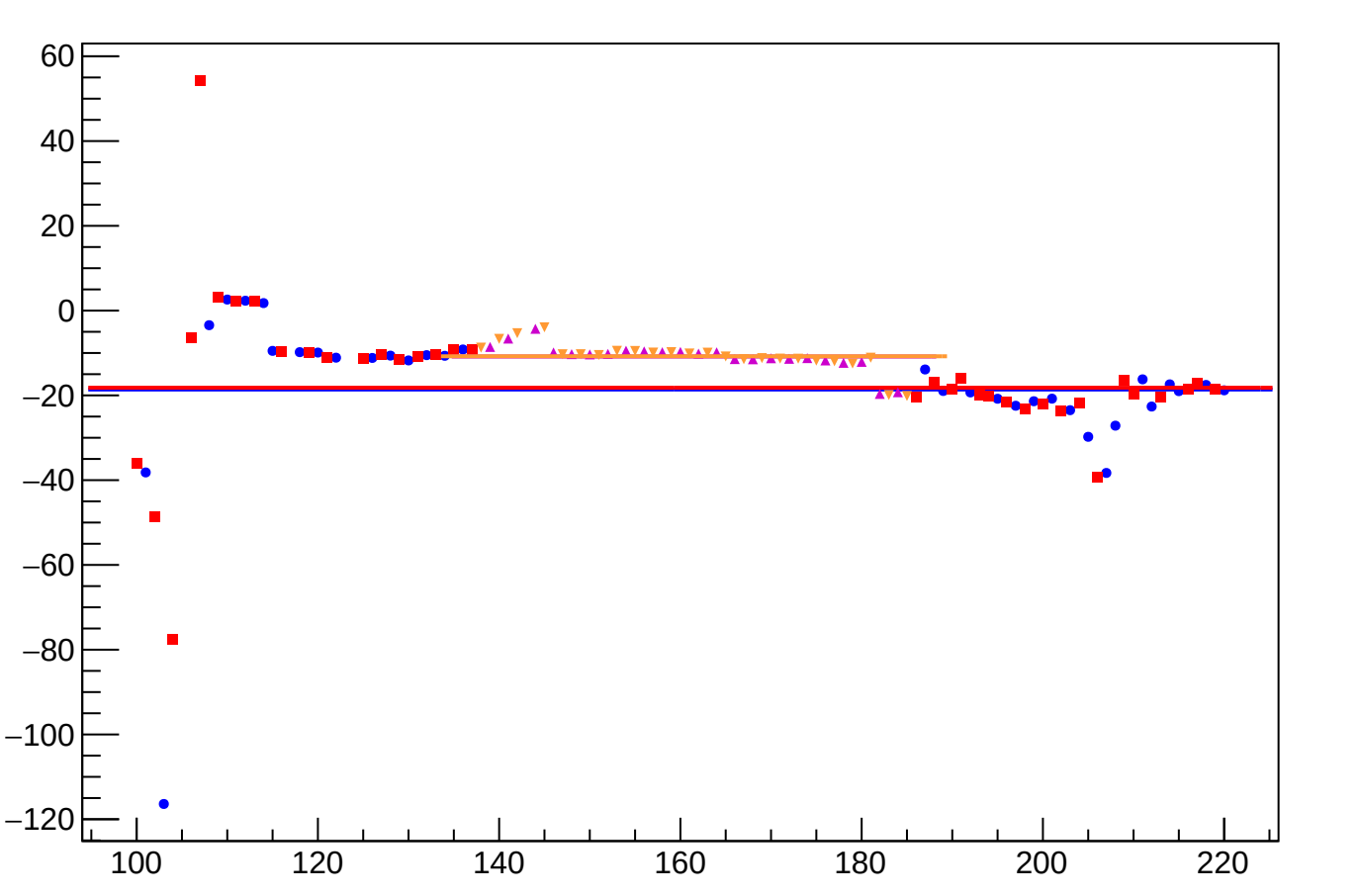
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 16.698+/-0.252 χ^2/NDF: 827.6/68

In: 15.807+/-0.195 χ^2/NDF:752.7/55

Out: 15.322+/-0.193 χ^2/NDF:726.4/59

All: 15.563+/-0.137 χ^2/NDF: 1482.3/115



Right In: -18.613+/-0.017 χ^2/NDF: 456405.8/32

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.196+/-0.018 χ^2/NDF: 433337.5/35

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

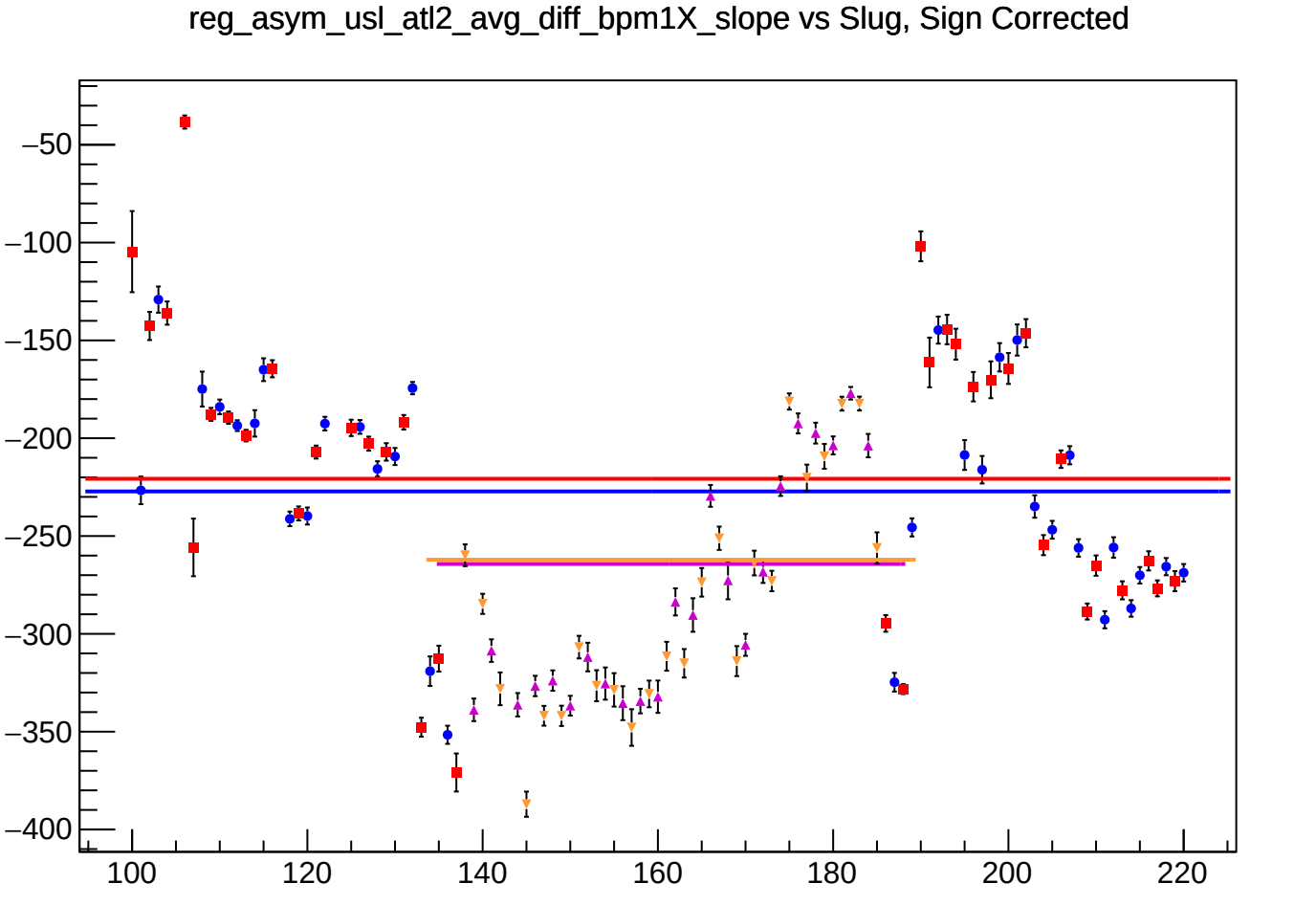
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.406+/-0.012 χ^2/NDF: 890025.4/68

In: -12.840+/-0.009 χ^2/NDF:677222.3/55

Out: -12.663+/-0.009 χ^2/NDF:650258.5/59

All: -12.751+/-0.006 χ^2/NDF: 1327679.2/115



Right In: -227.203+/-0.806 χ^2/NDF: 3618.8/32

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -220.748+/-0.766 χ^2/NDF: 8652.7/35

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

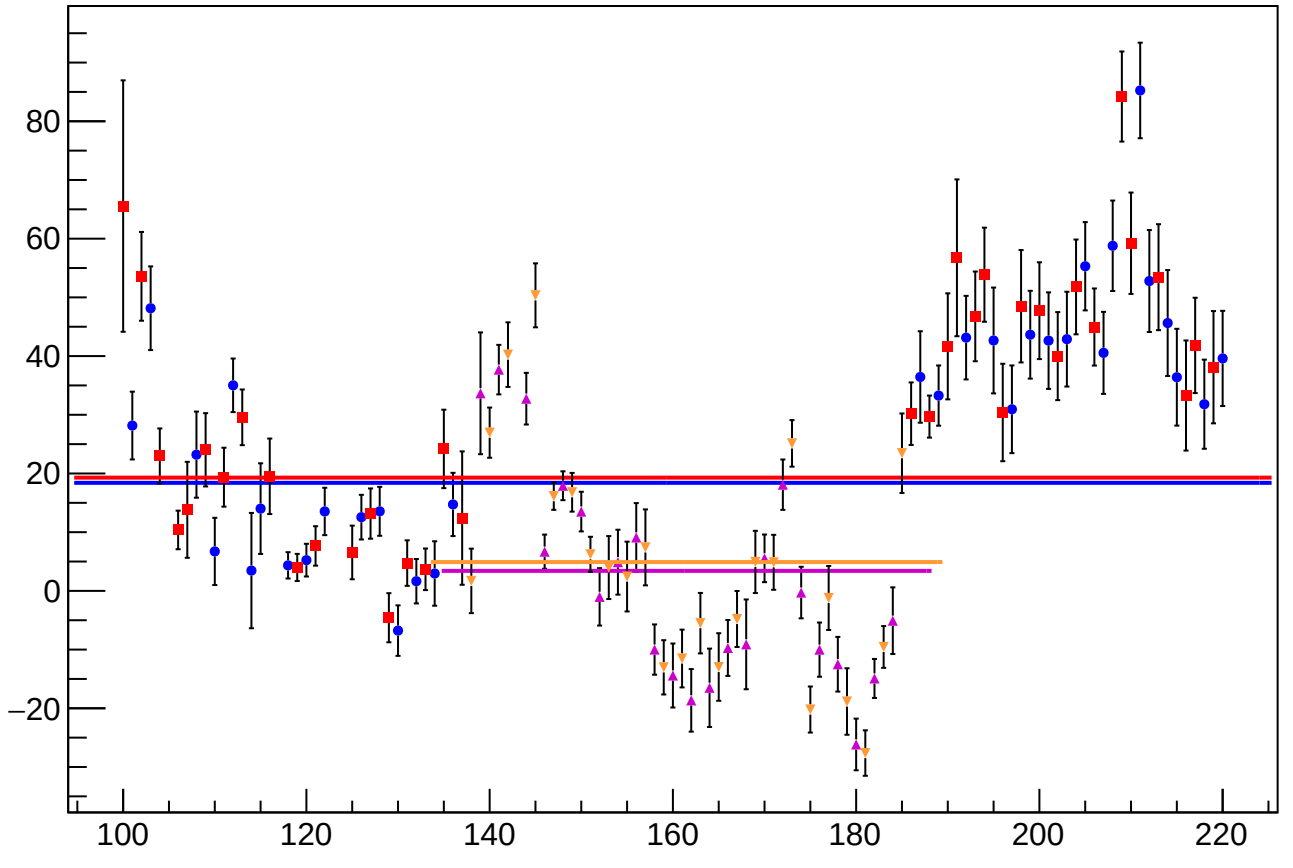
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -223.814+/-0.555 χ^2/NDF: 12305.2/68

In: -238.918+/-0.667 χ^2/NDF:7029.3/55

Out: -233.030+/-0.643 χ^2/NDF:12482.1/59

All: -235.867+/-0.463 χ^2/NDF: 19551.8/115



Right In: 18.409+/-0.922 χ^2/NDF: 403.4/32

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 19.293+/-0.891 χ^2/NDF: 412.8/35

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

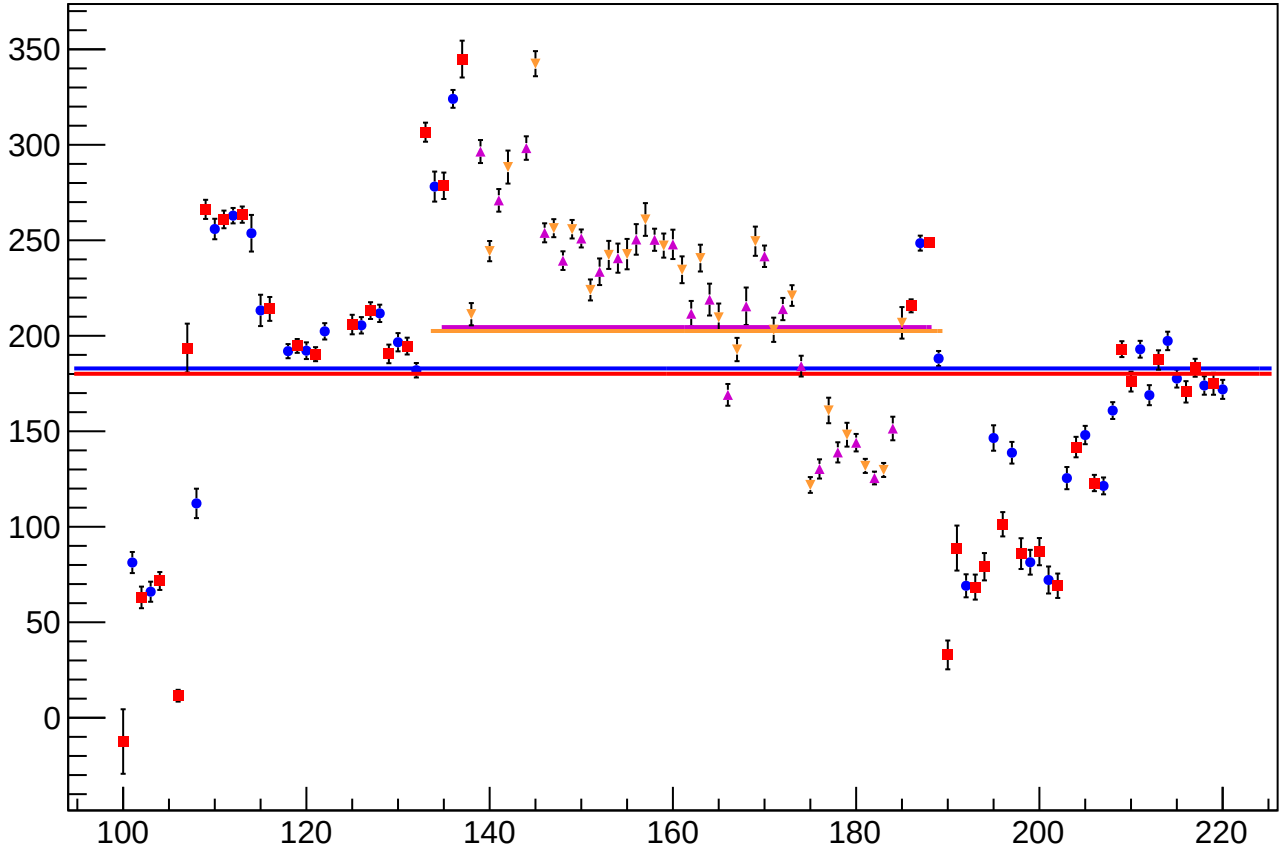
Right: 18.866+/-0.641 χ^2/NDF: 816.6/68

In: 10.734+/-0.644 χ^2/NDF:872.1/55

Out: 12.060+/-0.629 χ^2/NDF:942.7/59

All: 11.413+/-0.450 χ^2/NDF: 1816.9/115

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 182.904+/-0.859 χ^2/NDF: 4348.2/32

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.107+/-0.798 χ^2/NDF: 9504.3/35

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

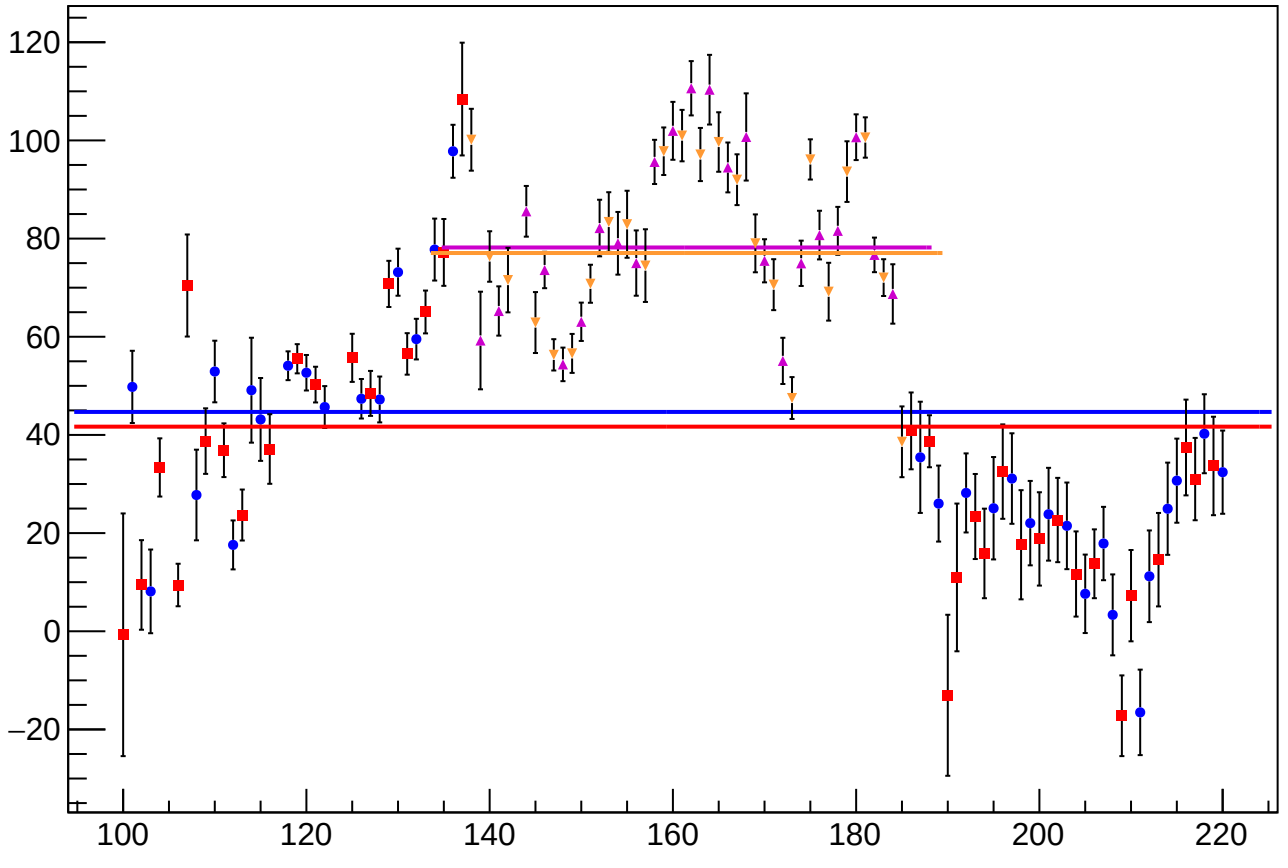
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 181.403+/-0.585 χ^2/NDF: 13858.2/68

In: 190.431+/-0.694 χ^2/NDF:6854.7/55

Out: 187.198+/-0.660 χ^2/NDF:12147.3/59

All: 188.733+/-0.478 χ^2/NDF: 19013.4/115



Right In: 44.685+/-1.069 χ^2/NDF: 408.4/32

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 41.685+/-1.047 χ^2/NDF: 419.4/35

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

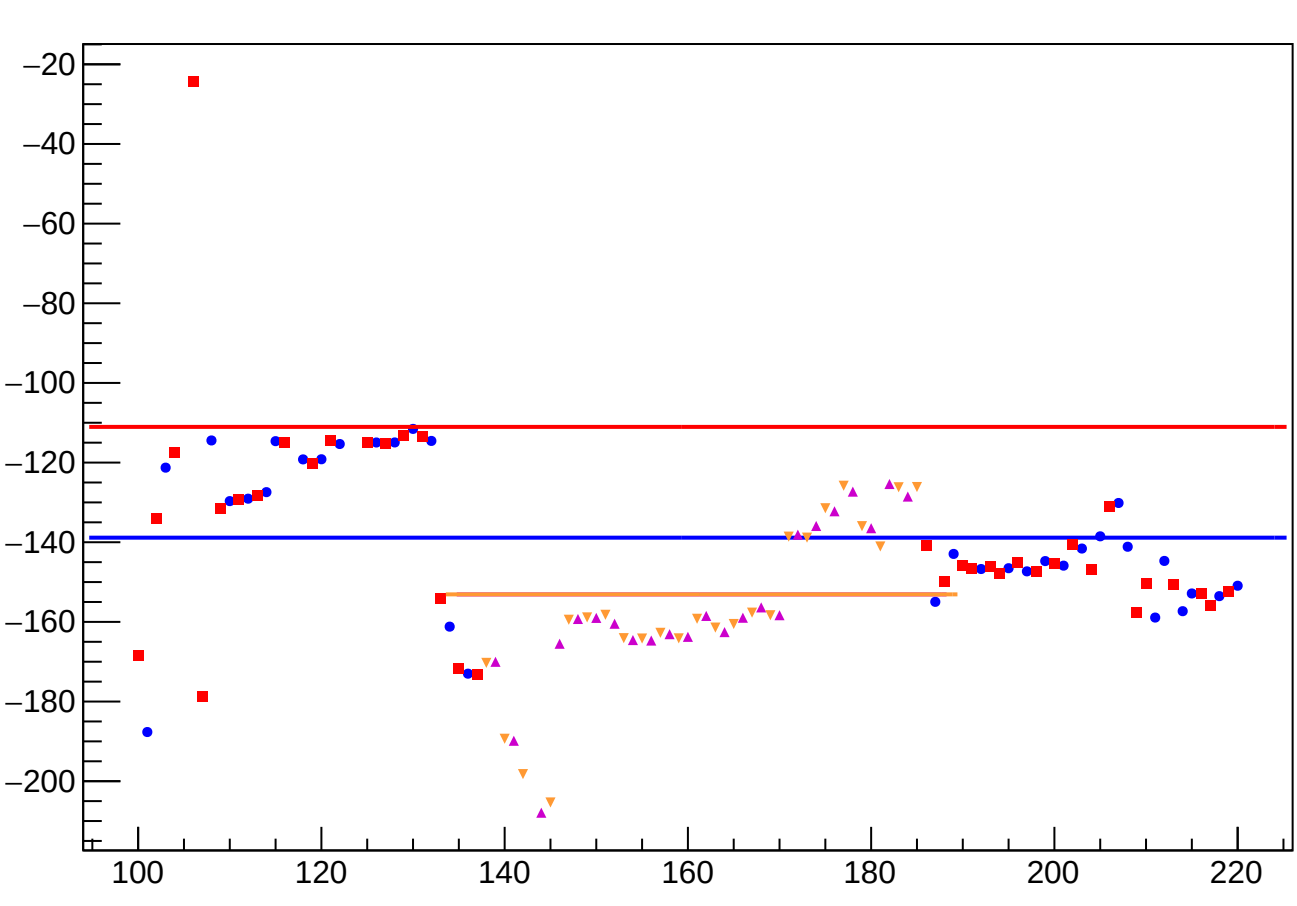
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 43.153+/-0.748 χ^2/NDF: 831.8/68

In: 62.138+/-0.740 χ^2/NDF:1152.3/55

Out: 59.913+/-0.729 χ^2/NDF:1319.2/59

All: 61.008+/-0.519 χ^2/NDF: 2476.1/115



Right In: -138.851+/-0.058 χ^2/NDF: 110879.2/32

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -111.038+/-0.050 χ^2/NDF: 1037806.6/35

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

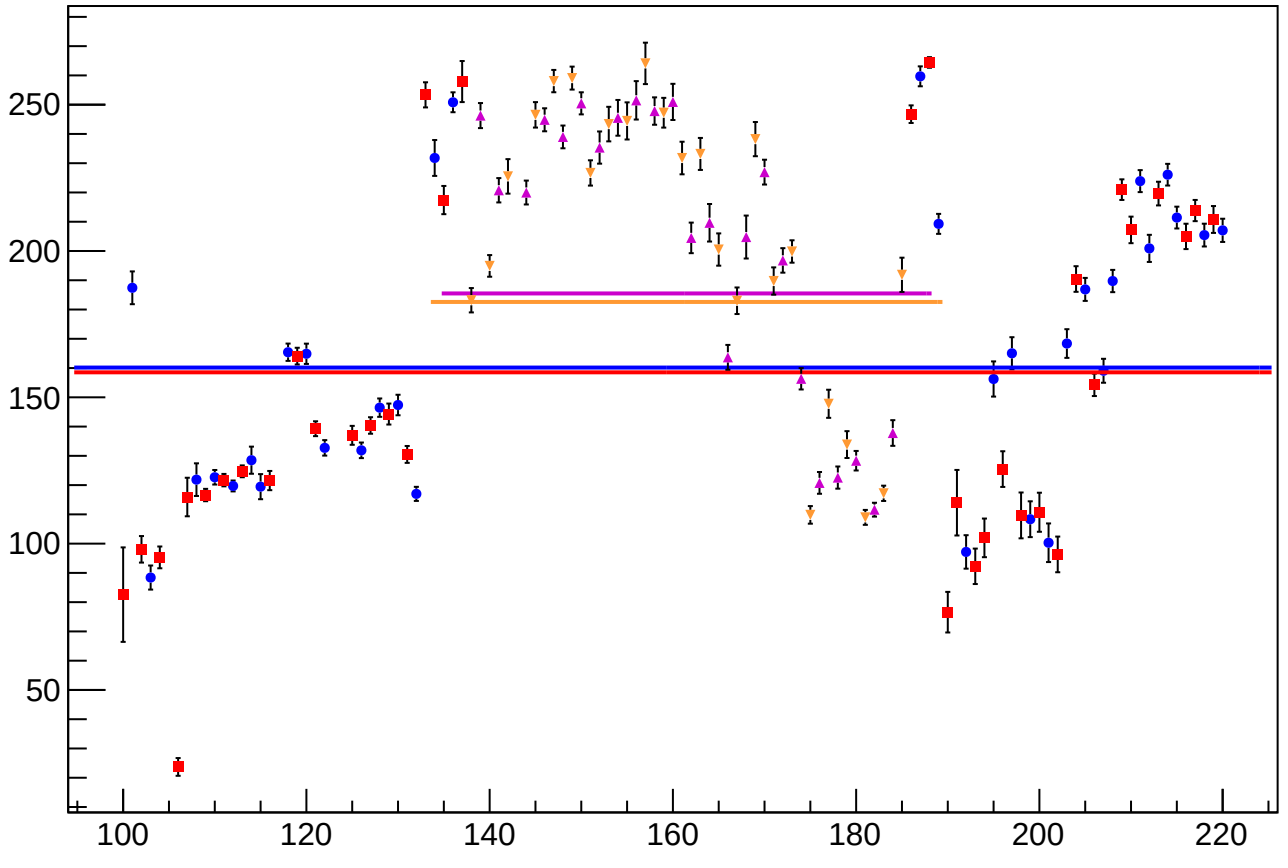
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -122.948+/-0.038 χ^2/NDF: 1280030.8/68

In: -147.511+/-0.036 χ^2/NDF:314172.1/55

Out: -133.492+/-0.034 χ^2/NDF:1589752.3/59

All: -140.091+/-0.025 χ^2/NDF: 1982637.4/11



Right In: 160.167+/-0.624 χ^2/NDF: 5229.9/32

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 158.539+/-0.584 χ^2/NDF: 10749.8/35

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

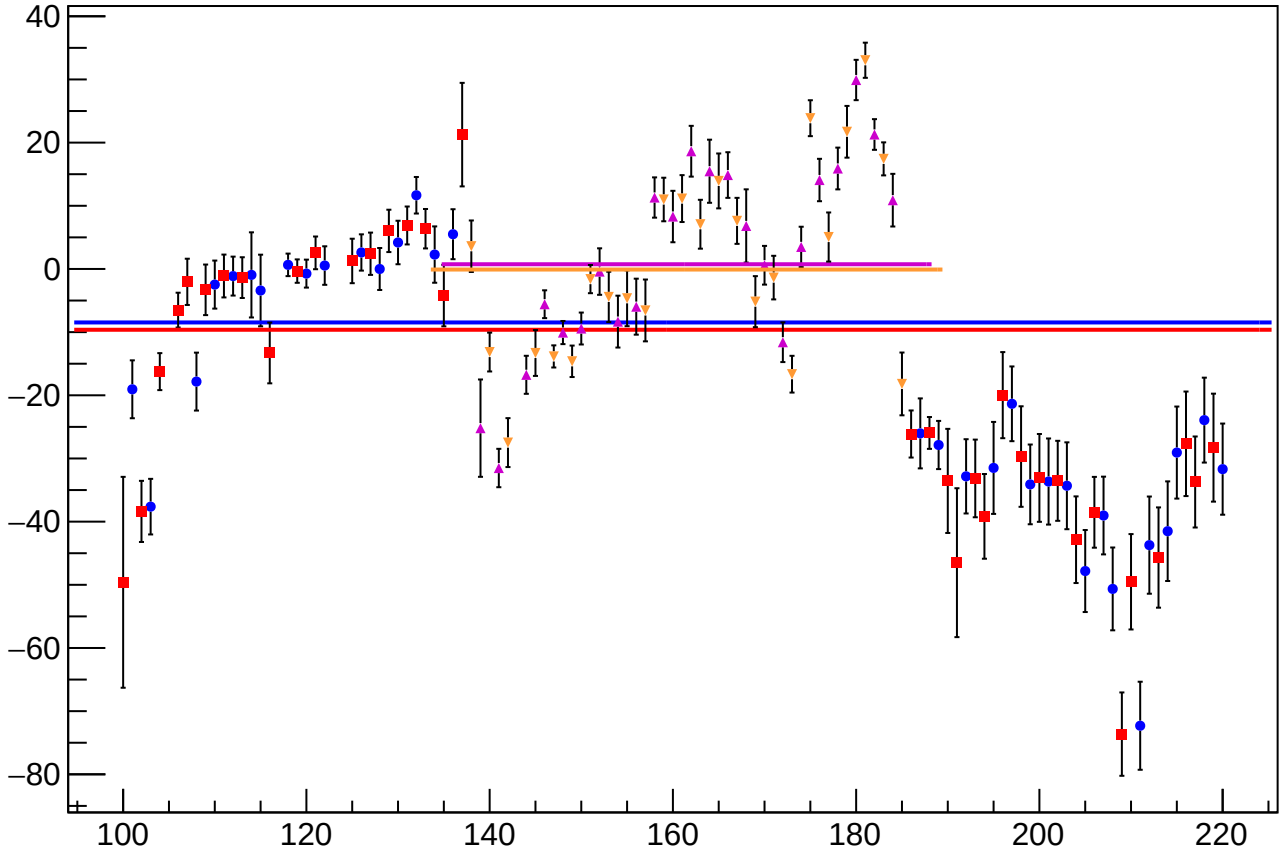
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 159.299+/-0.427 χ^2/NDF: 15983.3/68

In: 168.748+/-0.508 χ^2/NDF:9609.5/55

Out: 166.063+/-0.484 χ^2/NDF:15432.2/59

All: 167.342+/-0.350 χ^2/NDF: 25056.4/115



Right In: -8.467+/-0.714 χ^2/NDF: 573.4/32

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -9.626+/-0.679 χ^2/NDF: 592.9/35

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

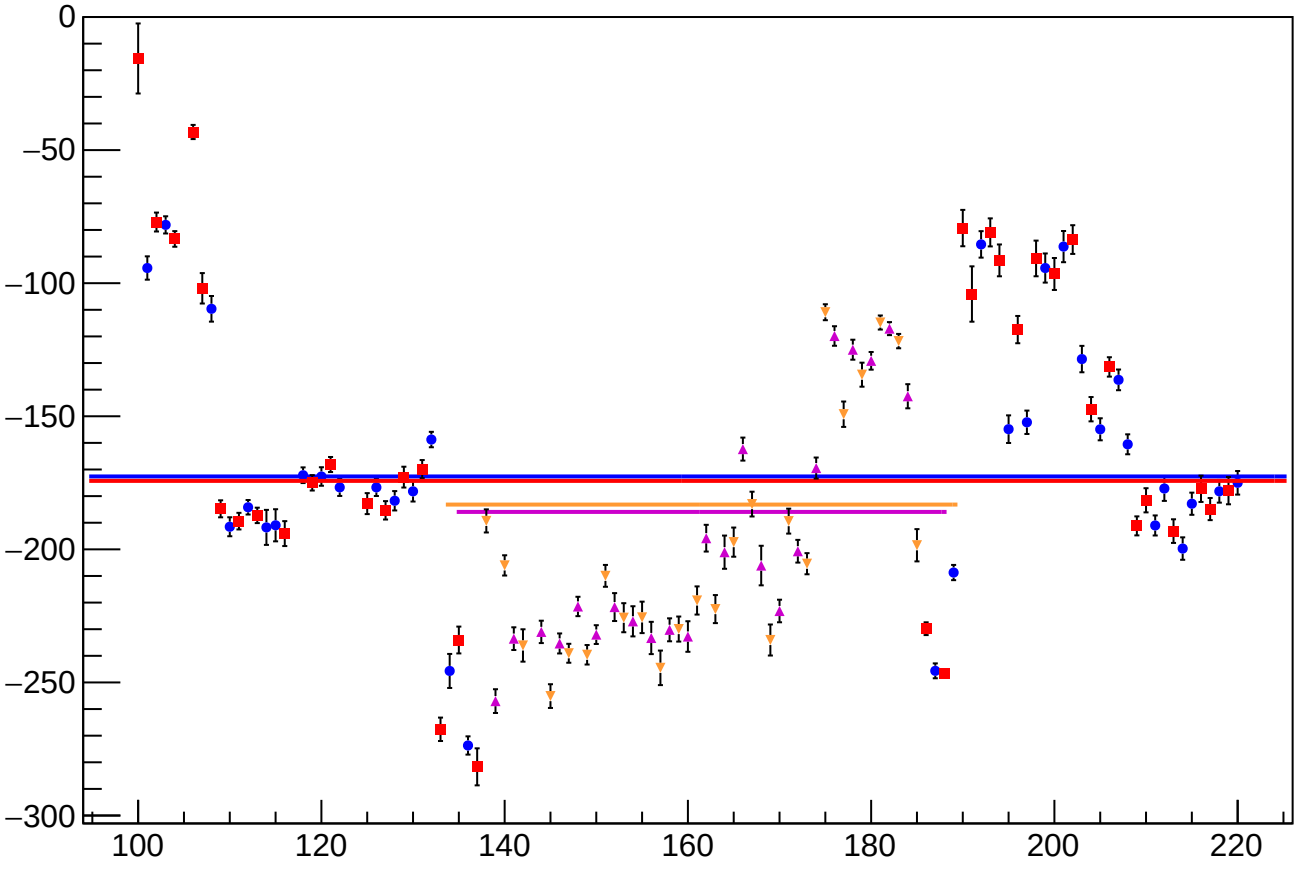
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -9.075+/-0.492 χ^2/NDF: 1167.6/68

In: -3.537+/-0.487 χ^2/NDF:1160.4/55

Out: -4.685+/-0.471 χ^2/NDF:1250.3/59

All: -4.129+/-0.339 χ^2/NDF: 2413.6/115



Right In: -172.612+/-0.670 χ^2/NDF: 4315.9/32

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.276+/-0.609 χ^2/NDF: 10051.1/35

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

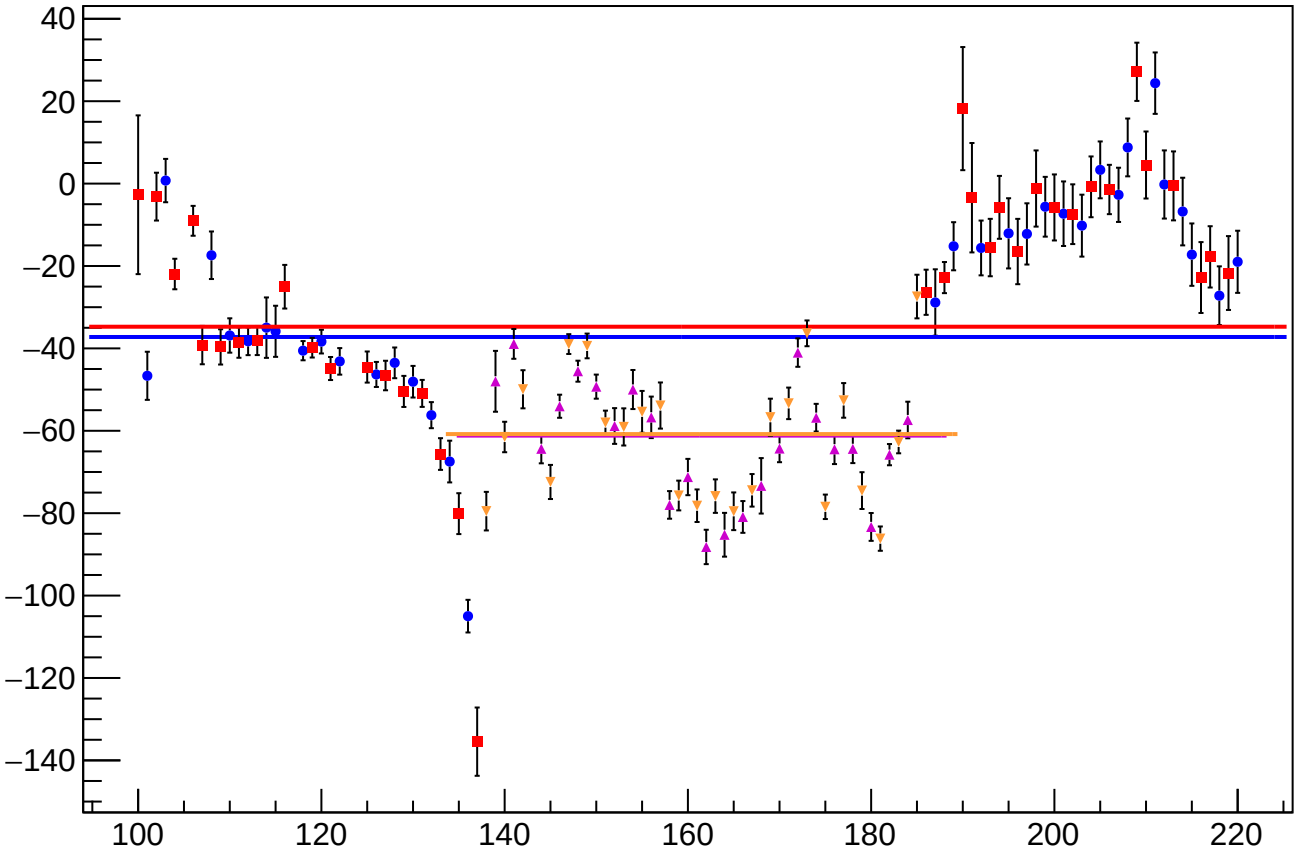
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.522+/-0.451 χ^2/NDF: 14370.4/68

In: -177.589+/-0.530 χ^2/NDF:7645.4/55

Out: -177.239+/-0.498 χ^2/NDF:13483.4/59

All: -177.403+/-0.363 χ^2/NDF: 21129.0/115



Right In: -37.232+/-0.829 χ^2/NDF: 770.5/32

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -34.739+/-0.800 χ^2/NDF: 751.2/35

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

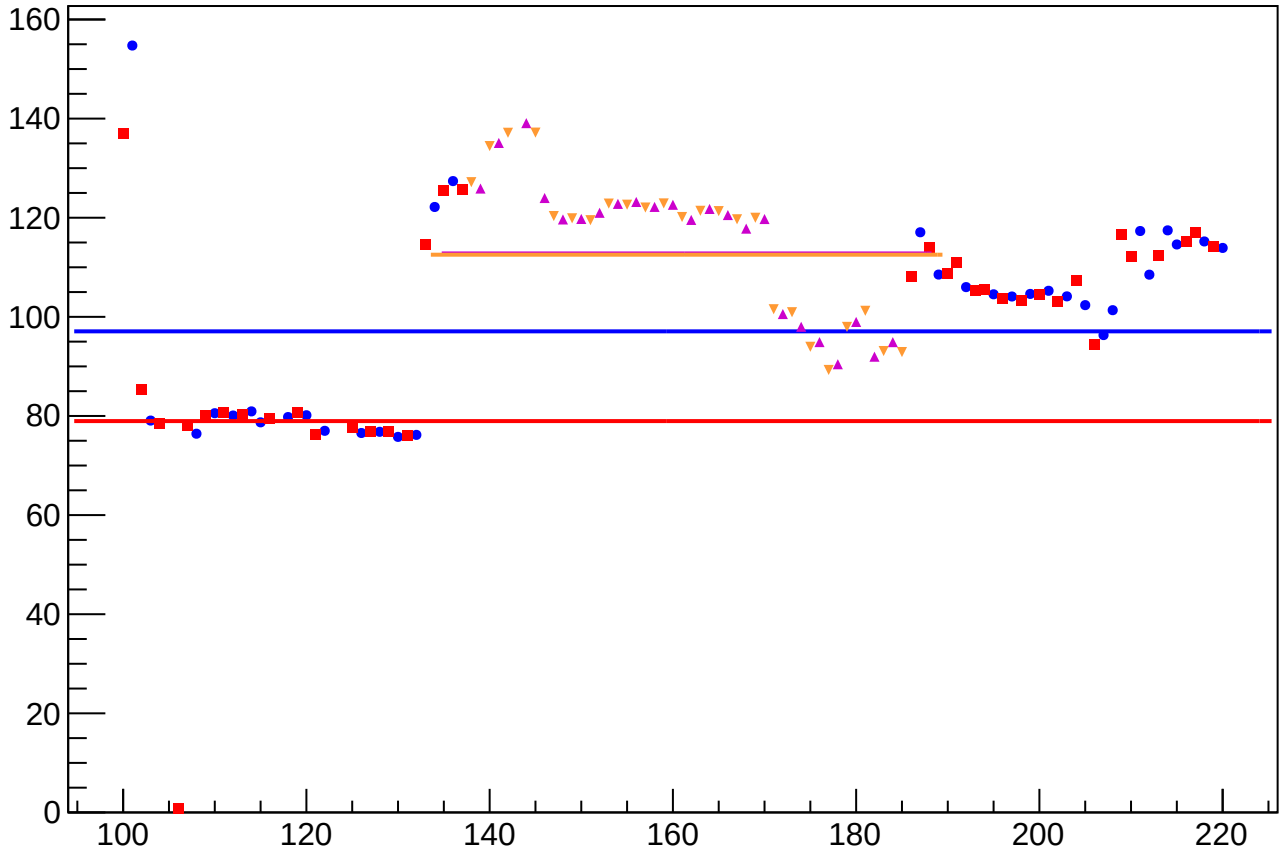
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -35.942+/-0.576 χ^2/NDF: 1526.4/68

In: -50.284+/-0.559 χ^2/NDF:1542.5/55

Out: -48.628+/-0.547 χ^2/NDF:1790.8/59

All: -49.438+/-0.391 χ^2/NDF: 3337.8/115



Right In: 97.074+/-0.045 χ^2/NDF: 195661.4/32

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.967+/-0.040 χ^2/NDF: 930453.0/35

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

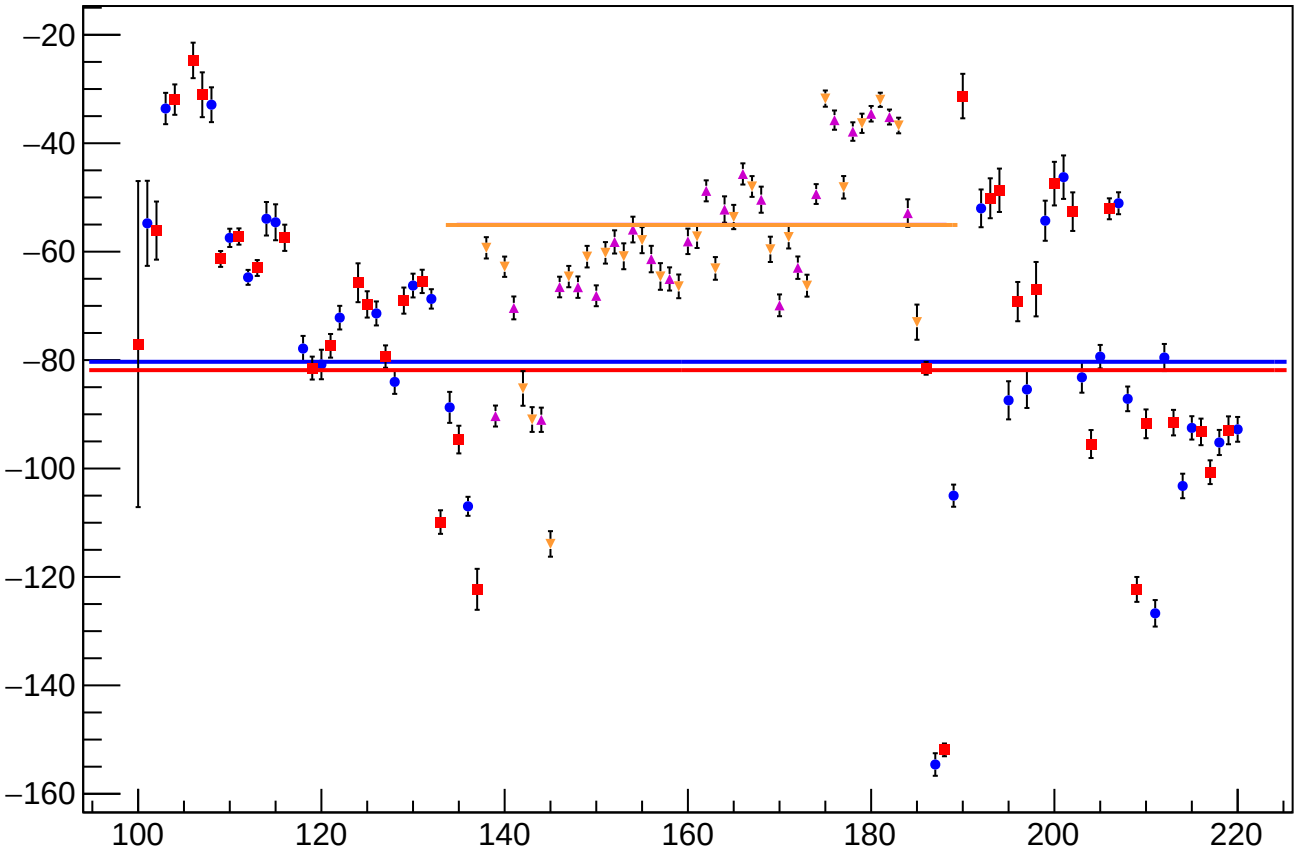
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.933+/-0.030 χ^2/NDF: 1217310.8/68

In: 106.969+/-0.027 χ^2/NDF:444573.0/55

Out: 98.084+/-0.026 χ^2/NDF:1510745.8/59

All: 102.323+/-0.019 χ^2/NDF: 2010634.2/115



Right In: -80.314+/-0.410 χ^2/NDF: 3690.8/32

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -81.855+/-0.379 χ^2/NDF: 6674.8/35

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

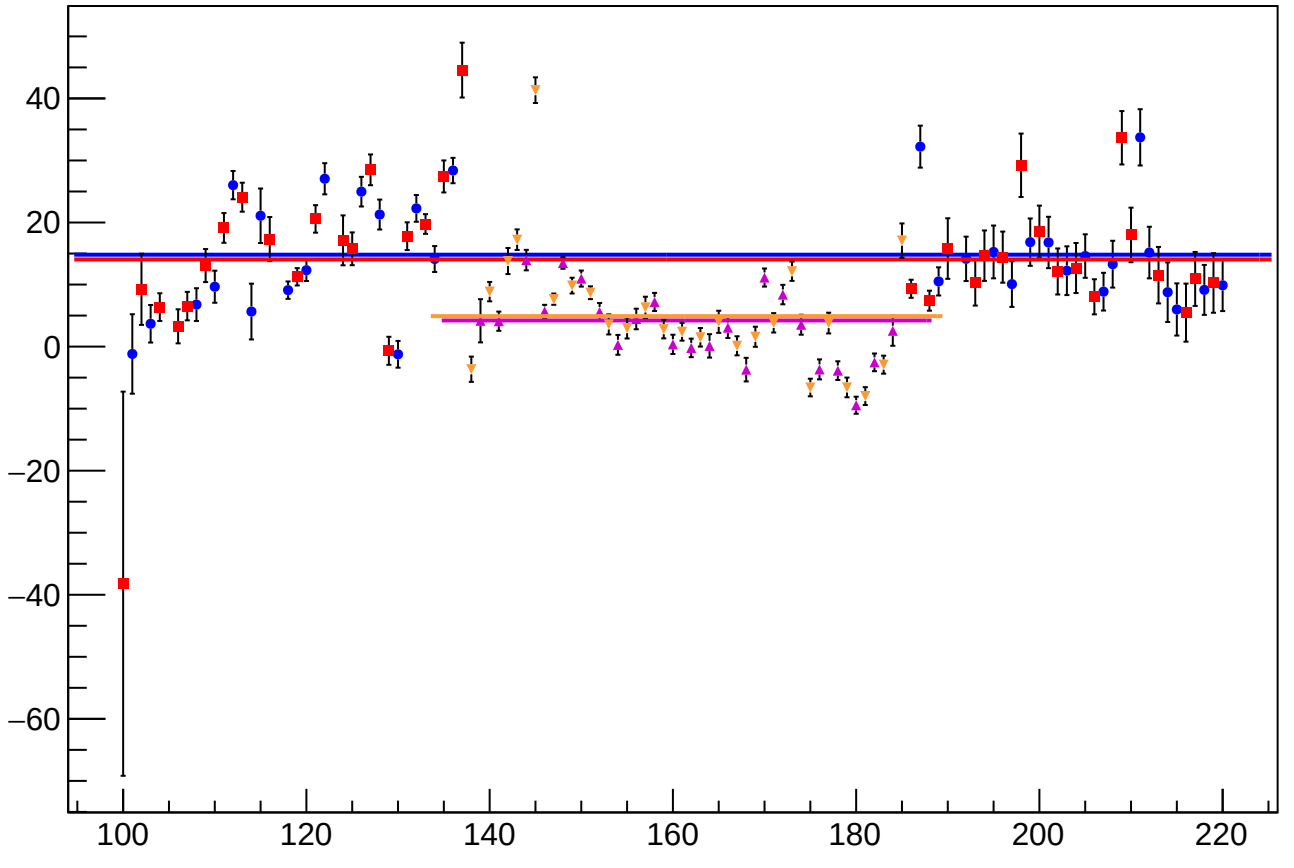
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -81.143+/-0.278 χ^2/NDF: 10373.2/68

In: -67.709+/-0.290 χ^2/NDF:7131.0/55

Out: -69.190+/-0.275 χ^2/NDF:11033.1/60

All: -68.487+/-0.200 χ^2/NDF: 18177.7/116



Right In: 14.812+/-0.486 χ^2/NDF: 306.2/32

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.047+/-0.450 χ^2/NDF: 315.9/35

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

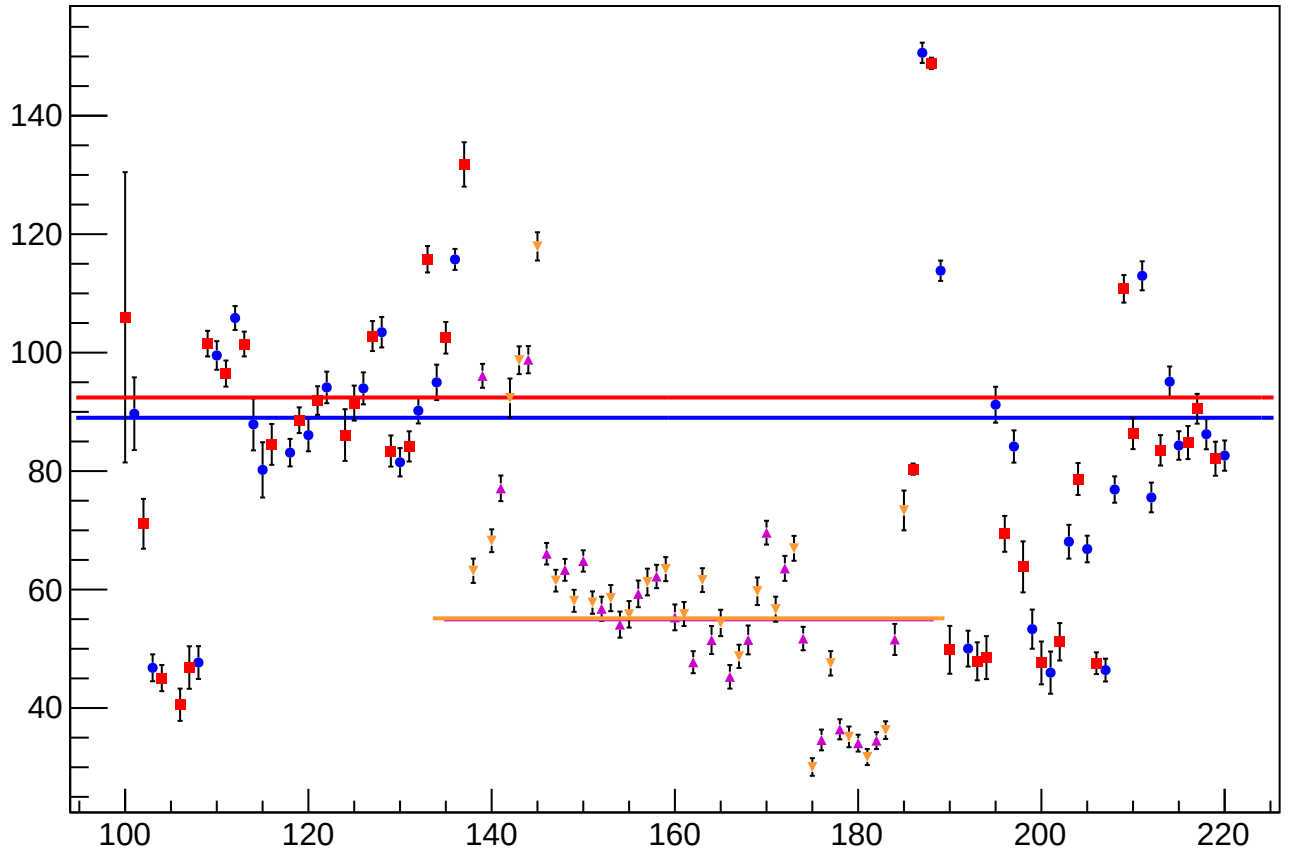
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.400+/-0.330 χ^2/NDF: 623.4/68

In: 7.310+/-0.263 χ^2/NDF:1057.4/55

Out: 7.743+/-0.250 χ^2/NDF:1342.4/60

All: 7.537+/-0.181 χ^2/NDF: 2401.3/116



Right In: 89.000+/-0.431 χ^2/NDF: 3700.7/32

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.425+/-0.385 χ^2/NDF: 6633.6/35

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

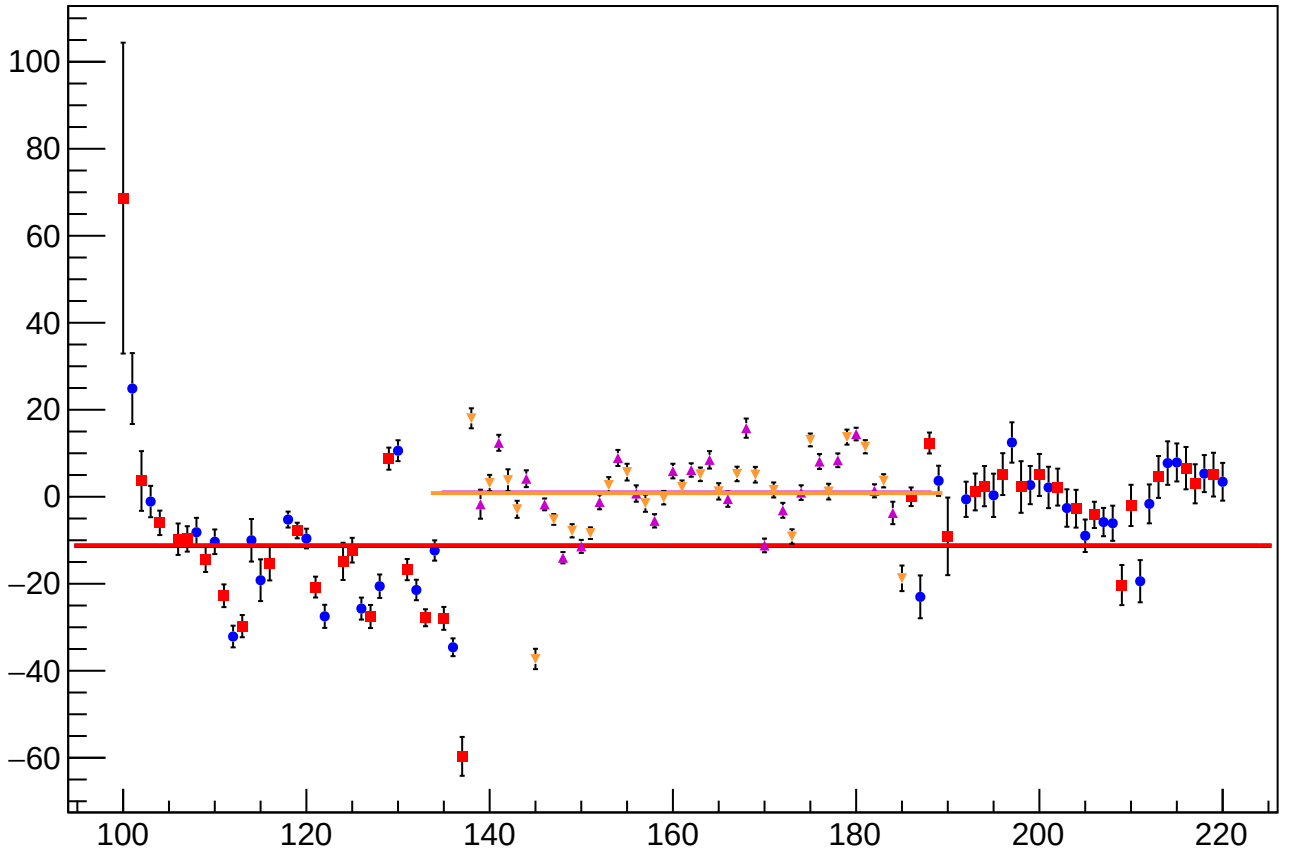
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 90.905+/-0.287 χ^2/NDF: 10369.4/68

In: 70.964+/-0.295 χ^2/NDF:8789.4/55

Out: 74.355+/-0.276 χ^2/NDF:13423.1/60

All: 72.772+/-0.202 χ^2/NDF: 22282.7/116



Right In: -11.295+/-0.559 χ^2/NDF: 583.7/32

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -11.139+/-0.533 χ^2/NDF: 683.9/35

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

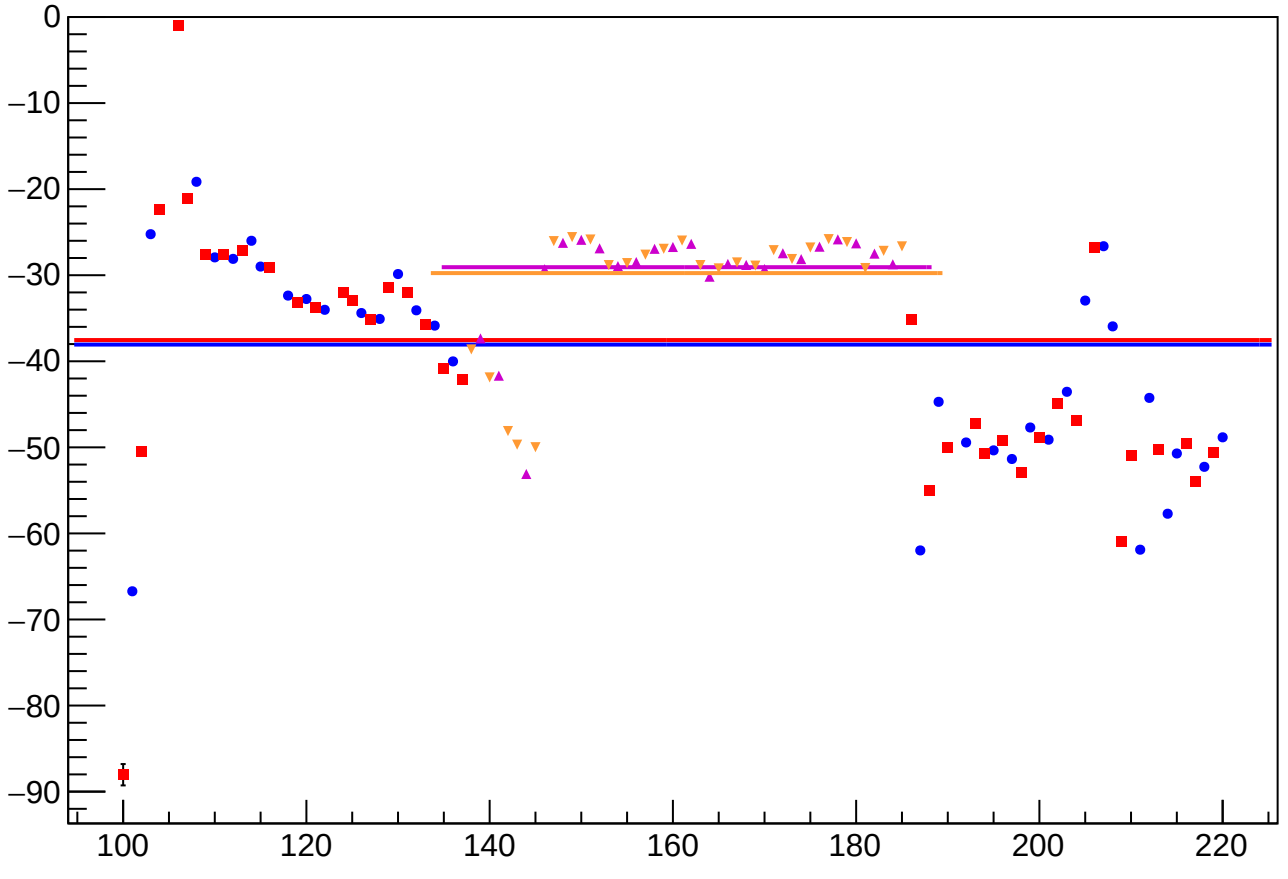
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -11.214+/-0.386 χ^2/NDF: 1267.7/68

In: -2.526+/-0.299 χ^2/NDF:1486.9/55

Out: -2.666+/-0.288 χ^2/NDF:1758.3/60

All: -2.598+/-0.207 χ^2/NDF: 3245.3/116



Right In: -38.058+/-0.028 χ^2/NDF: 146470.2/32

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -37.533+/-0.028 χ^2/NDF: 240645.3/35

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

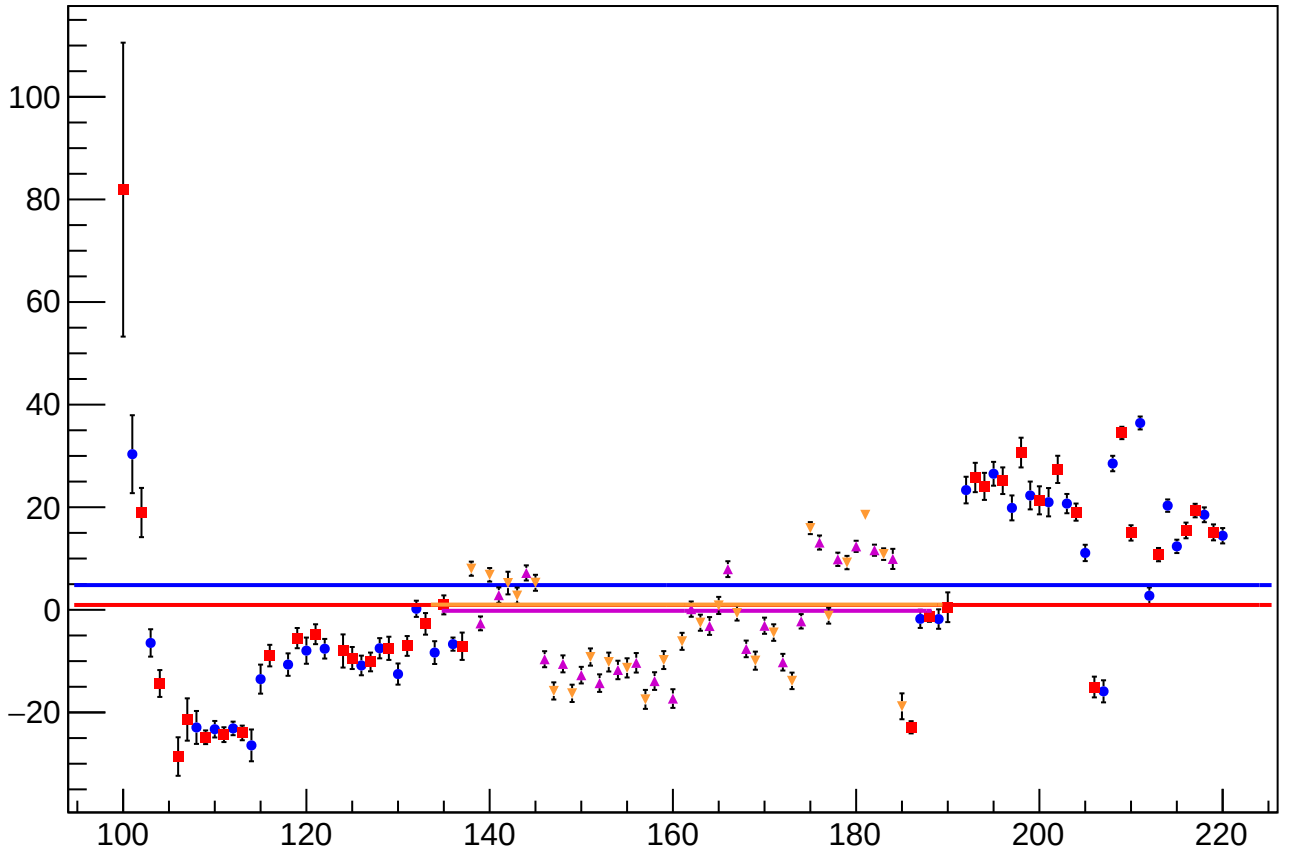
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.793+/-0.020 χ^2/NDF: 387294.1/68

In: -31.244+/-0.014 χ^2/NDF:326483.9/55

Out: -31.629+/-0.014 χ^2/NDF:464369.4/60

All: -31.439+/-0.010 χ^2/NDF: 791251.2/116



Right In: 4.821+/-0.317 χ^2/NDF: 3079.6/32

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: 0.948+/-0.306 χ^2/NDF: 3653.7/35

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

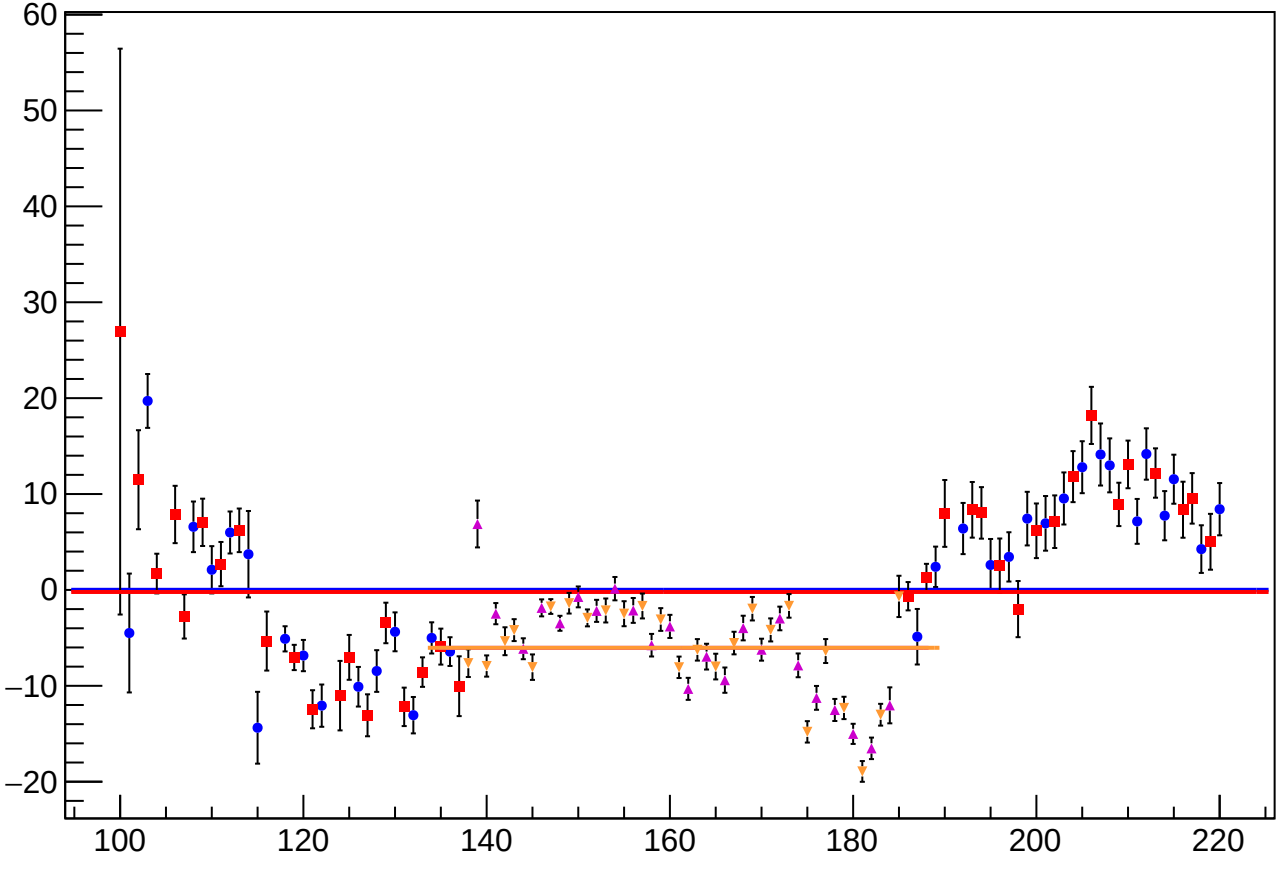
Right: 2.817+/-0.220 χ^2/NDF: 6810.6/68

In: 2.297+/-0.223 χ^2/NDF:4188.5/55

Out: 0.982+/-0.216 χ^2/NDF:4988.8/60

All: 1.617+/-0.155 χ^2/NDF: 9195.2/116

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.013+/-0.402 χ^2/NDF: 441.2/32

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -0.213+/-0.386 χ^2/NDF: 430.6/35

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

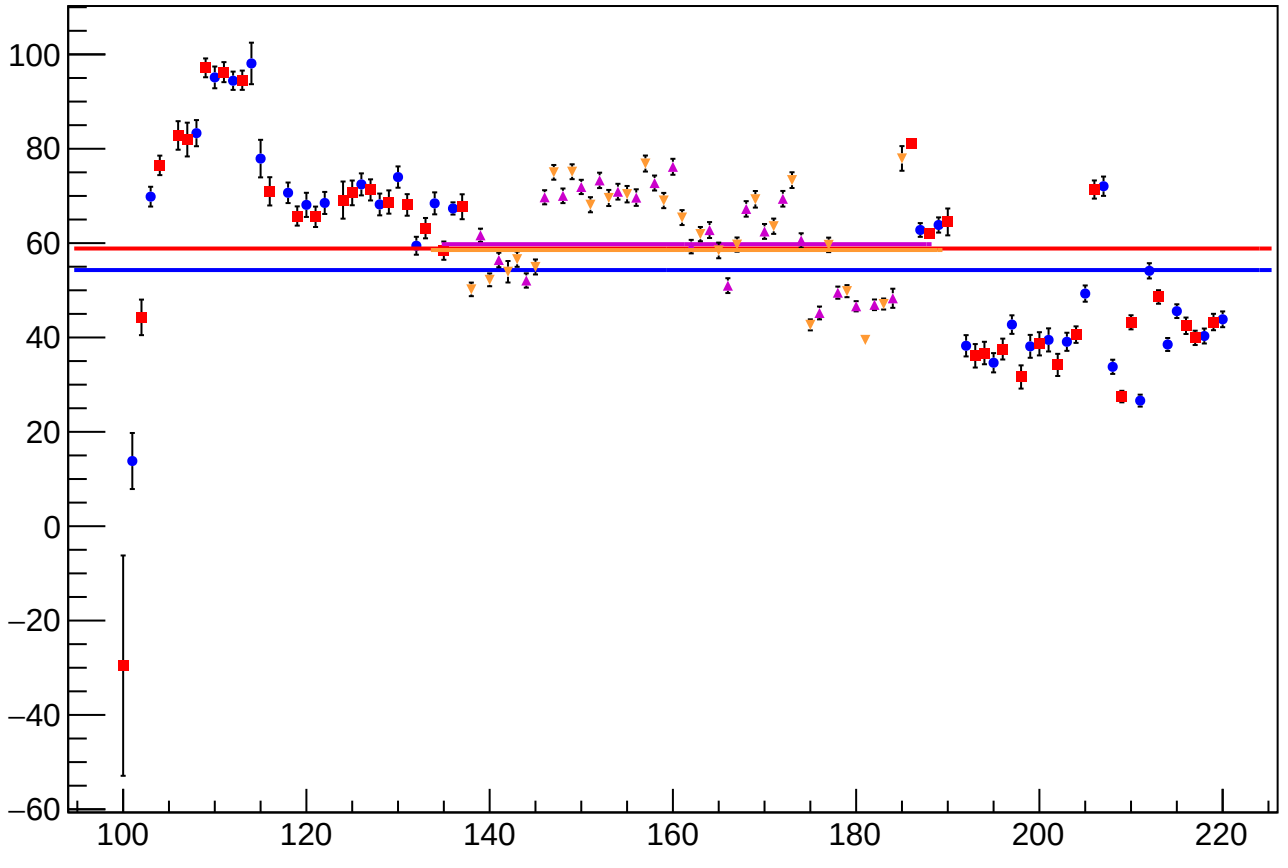
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -0.105+/-0.278 χ^2/NDF: 871.9/68

In: -4.426+/-0.208 χ^2/NDF:1003.6/55

Out: -4.476+/-0.200 χ^2/NDF:1012.4/60

All: -4.452+/-0.144 χ^2/NDF: 2016.0/116



Right In: 54.290+/-0.332 χ^2/NDF: 2953.0/32

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 58.855+/-0.313 χ^2/NDF: 3748.9/35

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

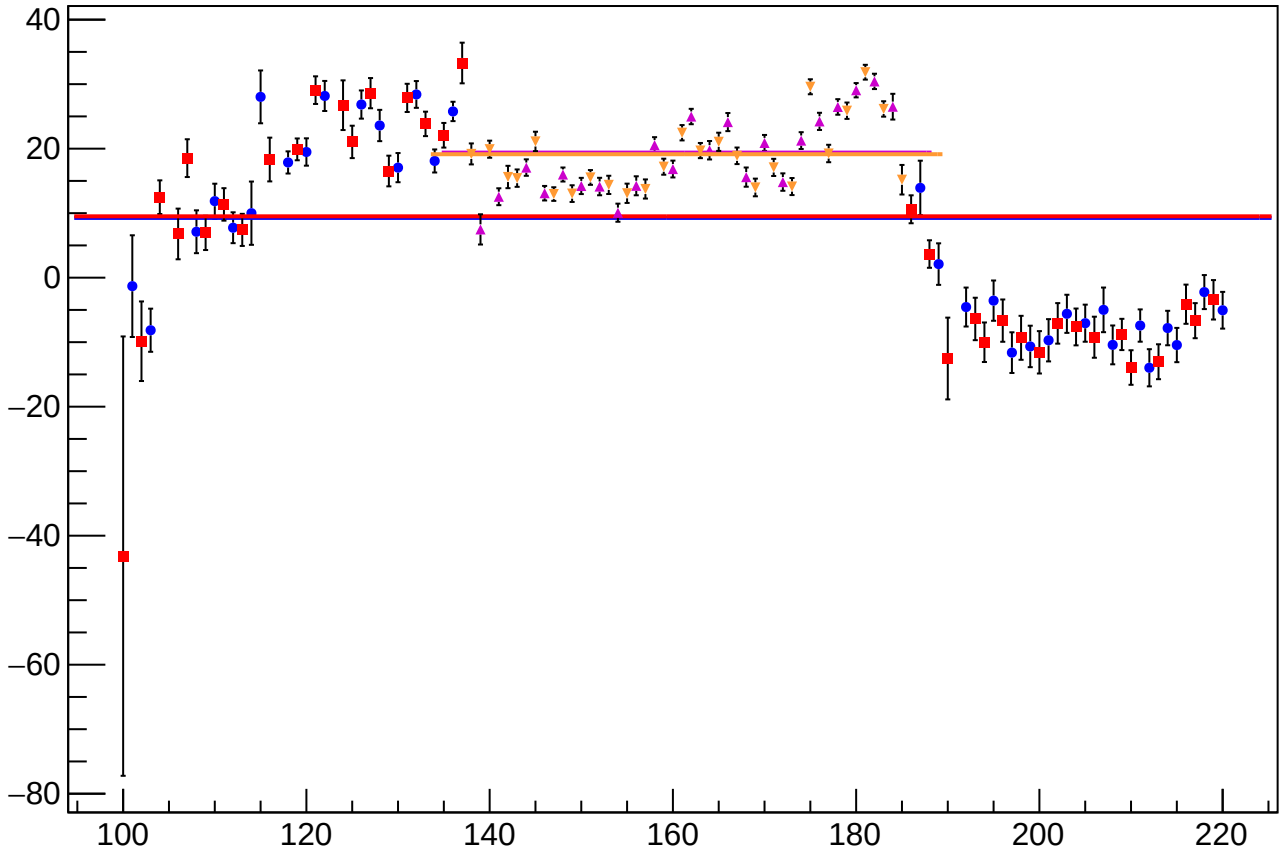
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 56.709+/-0.228 χ^2/NDF: 6802.0/68

In: 57.208+/-0.227 χ^2/NDF:4168.8/55

Out: 58.690+/-0.218 χ^2/NDF:5198.6/60

All: 57.981+/-0.157 χ^2/NDF: 9389.6/116



Right In: 9.266+/-0.455 χ^2/NDF: 1034.3/32

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 9.510+/-0.449 χ^2/NDF: 1052.7/35

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

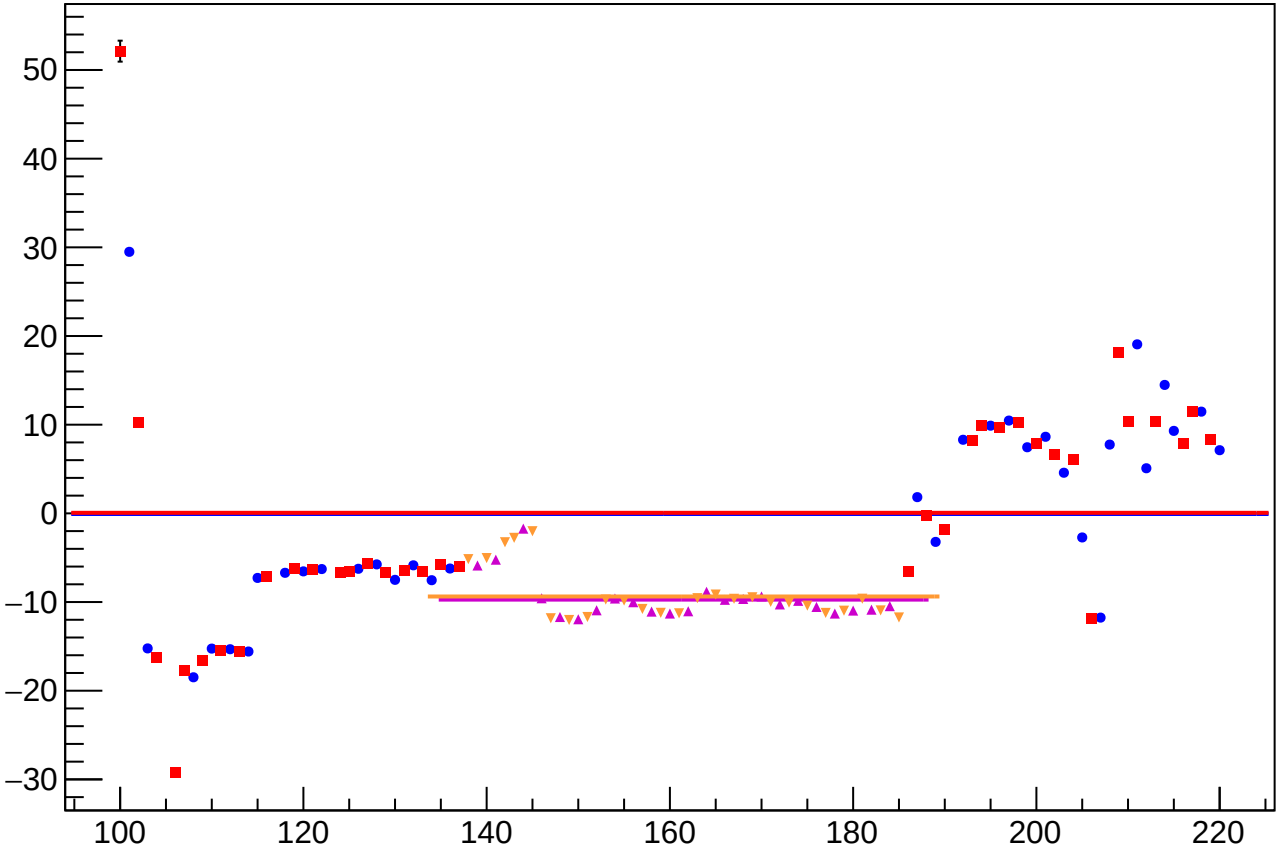
Right: 9.390+/-0.319 χ^2/NDF: 2087.1/68

In: 16.701+/-0.234 χ^2/NDF:1865.8/55

Out: 16.662+/-0.228 χ^2/NDF:1828.4/60

All: 16.681+/-0.163 χ^2/NDF: 3694.2/116

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.070+/-0.022 χ^2/NDF: 219200.5/32

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: 0.061+/-0.022 χ^2/NDF: 248255.4/35

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

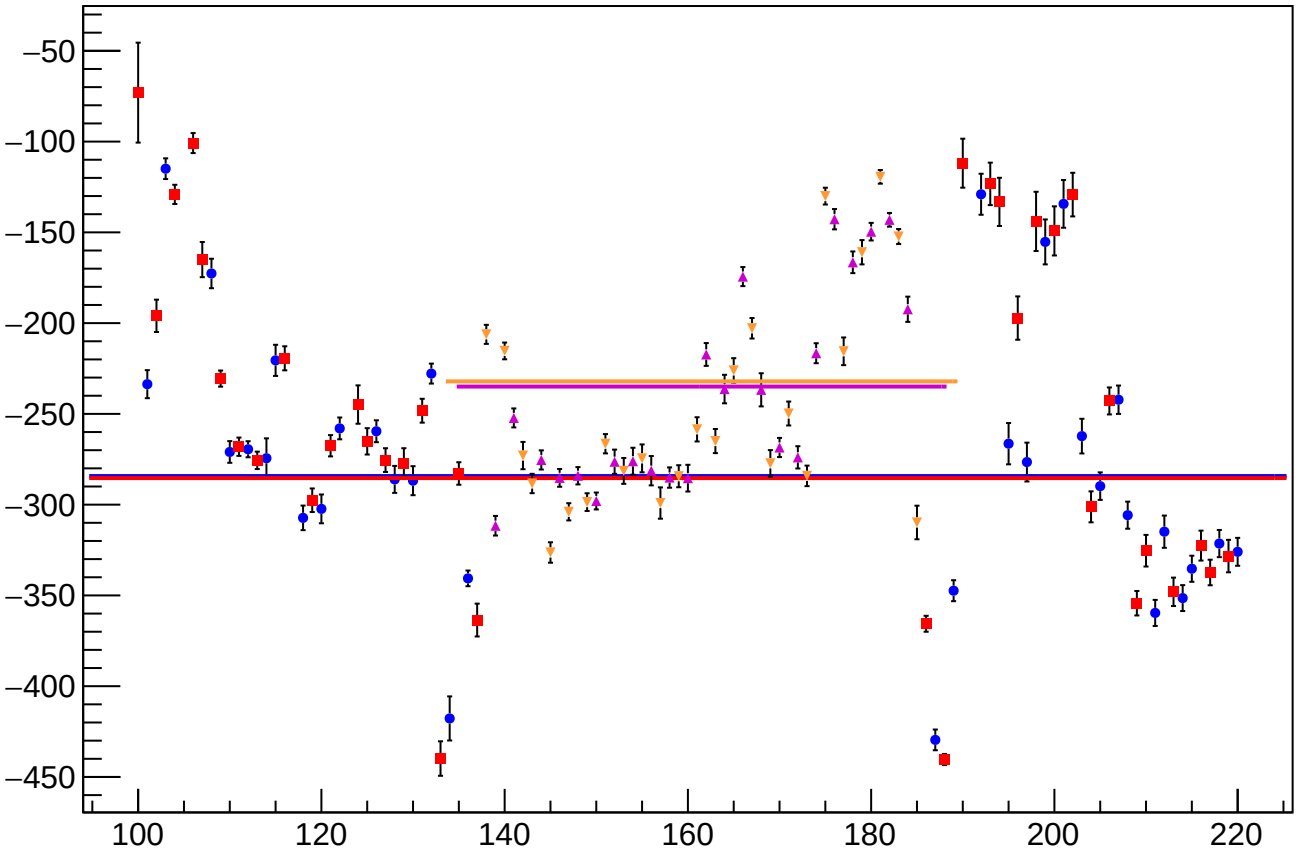
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -0.005+/-0.015 χ^2/NDF: 467473.9/68

In: -7.449+/-0.011 χ^2/NDF:400981.7/55

Out: -7.239+/-0.010 χ^2/NDF:440925.5/60

All: -7.343+/-0.007 χ^2/NDF: 842106.8/116



Right In: -284.258+/-1.241 χ^2/NDF: 3190.1/32

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -285.354+/-1.139 χ^2/NDF: 7085.9/35

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

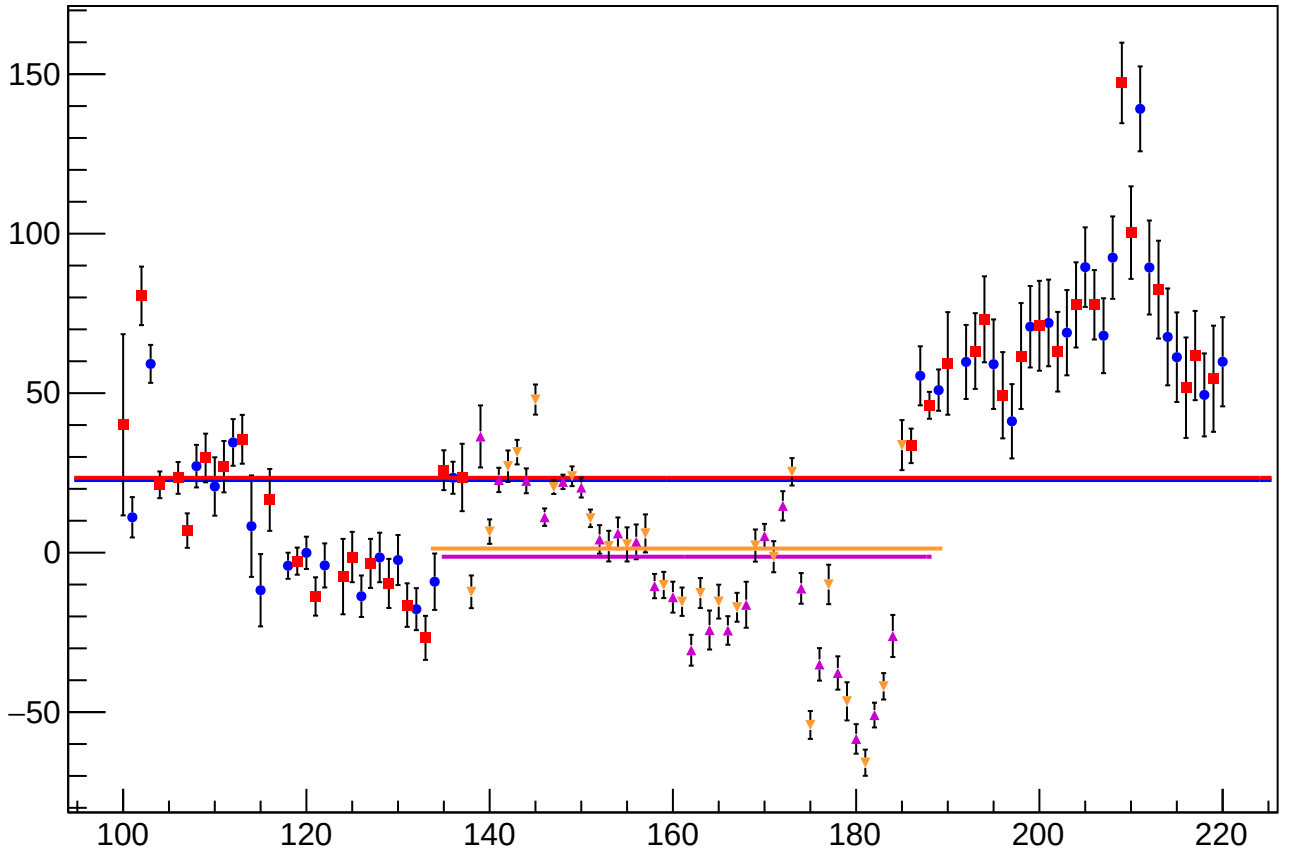
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -284.853+/-0.839 χ^2/NDF: 10276.4/68

In: -258.283+/-0.853 χ^2/NDF:6492.6/55

Out: -258.825+/-0.807 χ^2/NDF:11445.8/60

All: -258.569+/-0.586 χ^2/NDF: 17938.5/116



Right In: 22.764+/-1.424 χ^2/NDF: 521.8/32

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 23.459+/-1.300 χ^2/NDF: 550.5/35

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

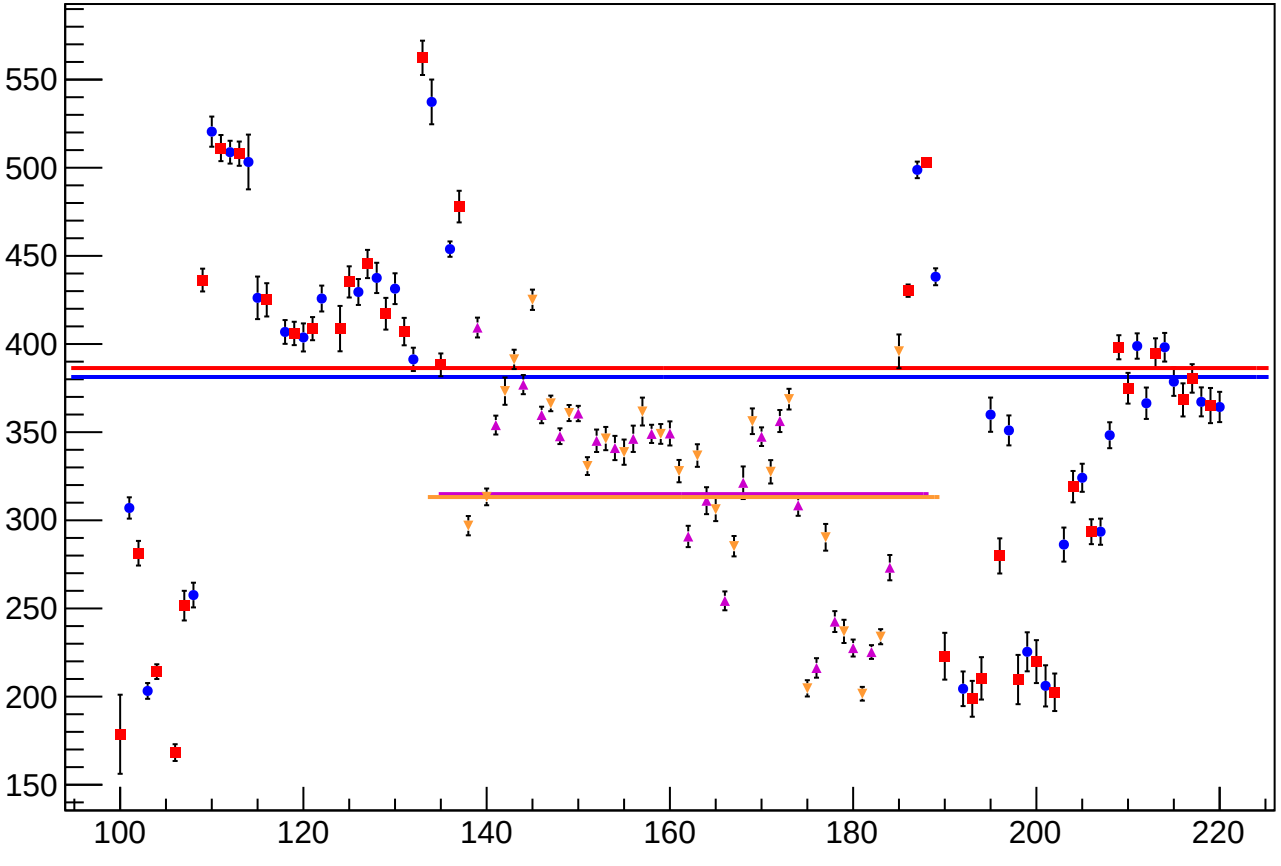
Right: 23.143+/-0.960 χ^2/NDF: 1072.5/68

In: 5.239+/-0.742 χ^2/NDF:1540.7/55

Out: 7.790+/-0.704 χ^2/NDF:1805.5/60

All: 6.582+/-0.510 χ^2/NDF: 3352.4/116

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 381.294+/-1.267 χ^2/NDF: 5241.0/32

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.370+/-1.128 χ^2/NDF: 9710.3/35

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

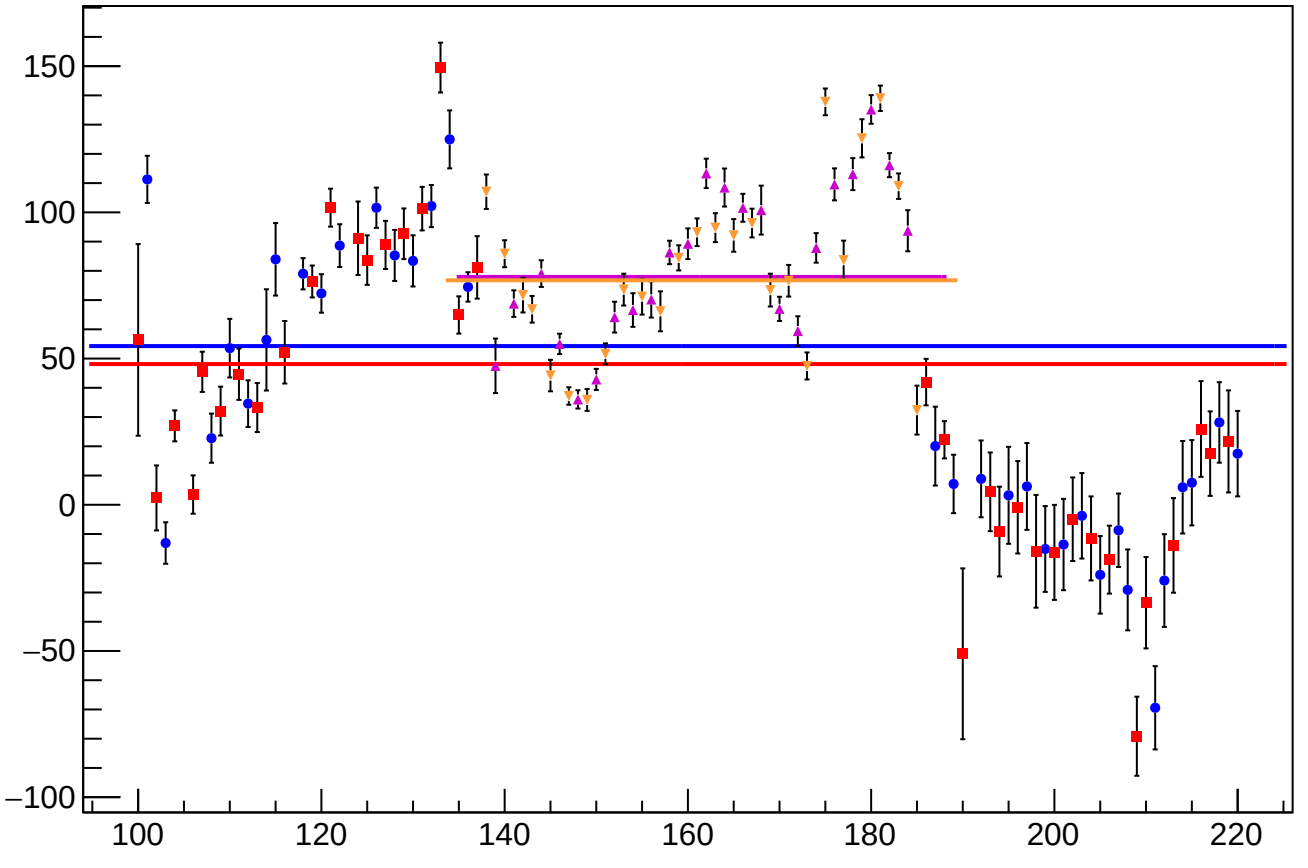
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.126+/-0.842 χ^2/NDF: 14960.2/68

In: 345.191+/-0.856 χ^2/NDF:9163.7/55

Out: 349.980+/-0.800 χ^2/NDF:14939.2/60

All: 347.749+/-0.584 χ^2/NDF: 24119.6/116



Right In: 54.273+/-1.654 χ^2/NDF: 743.6/32

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 48.122+/-1.553 χ^2/NDF: 763.8/35

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

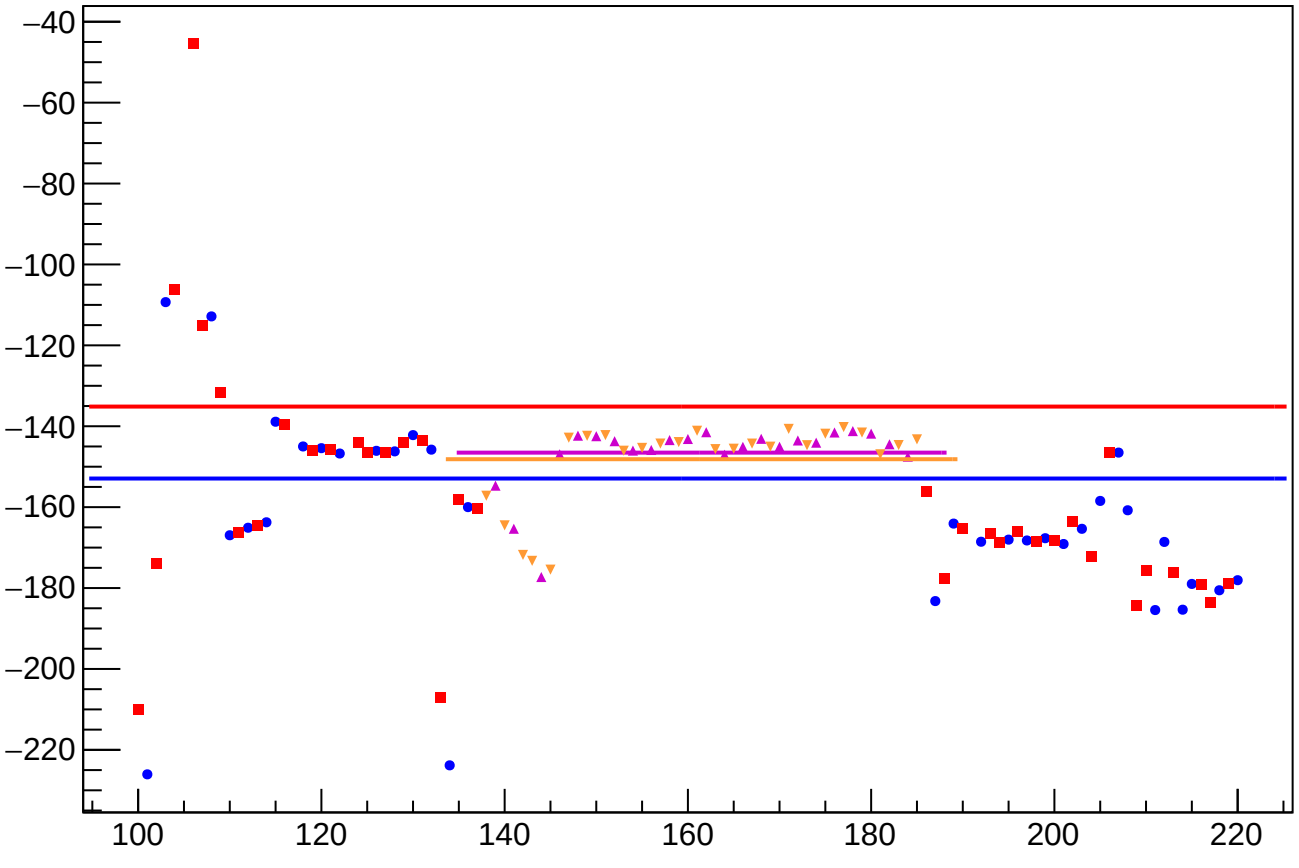
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 51.004+/-1.132 χ^2/NDF: 1514.8/68

In: 71.620+/-0.854 χ^2/NDF:1677.5/55

Out: 68.761+/-0.821 χ^2/NDF:2044.3/60

All: 70.134+/-0.592 χ^2/NDF: 3727.6/116



Right In: -152.924+/-0.080 χ^2/NDF: 154493.2/32

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -135.137+/-0.074 χ^2/NDF: 368336.7/35

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

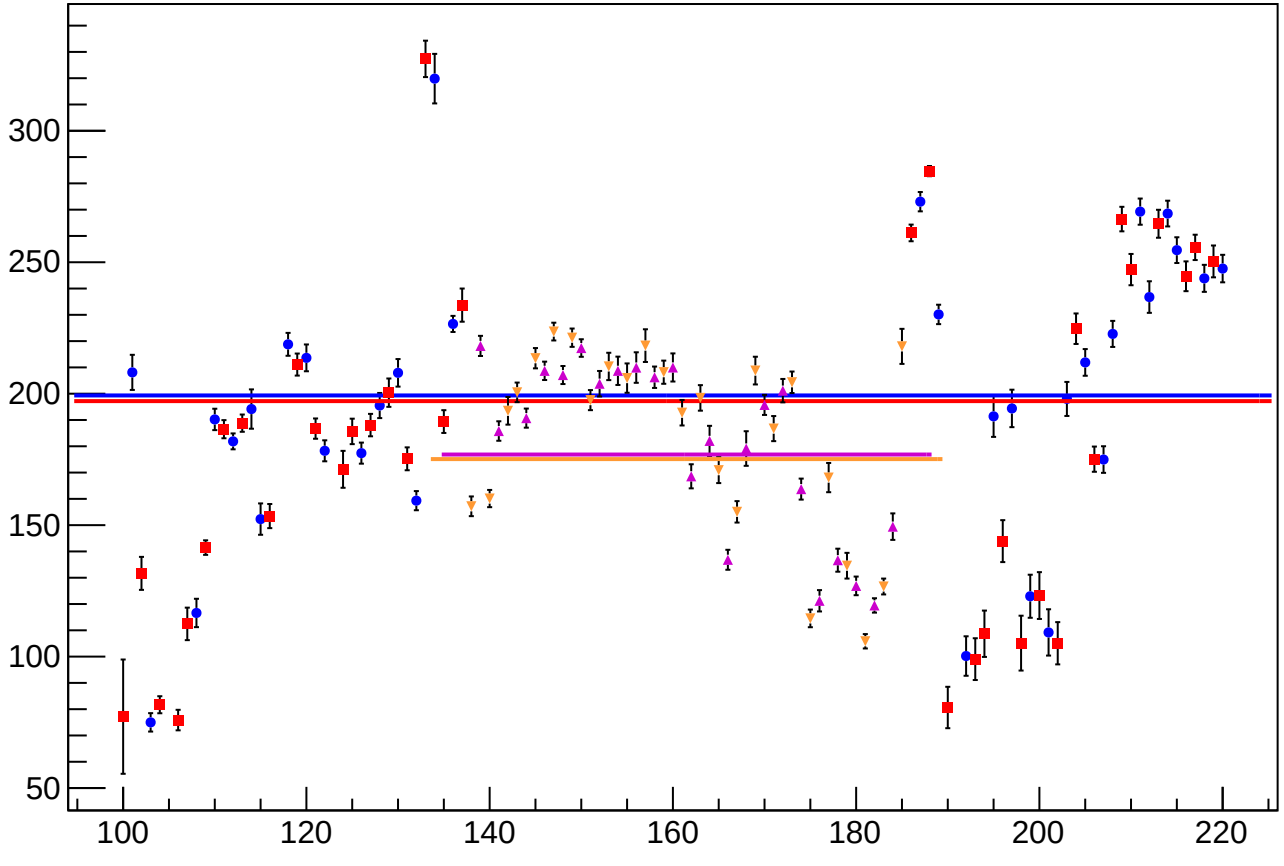
Right: -143.333+/-0.054 χ^2/NDF: 549685.9/68

In: -148.099+/-0.040 χ^2/NDF:188527.9/55

Out: -144.603+/-0.038 χ^2/NDF:439936.7/60

All: -146.302+/-0.028 χ^2/NDF: 632480.0/116

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 199.336+/-0.833 χ^2/NDF: 3665.3/32

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 197.179+/-0.757 χ^2/NDF: 7572.3/35

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

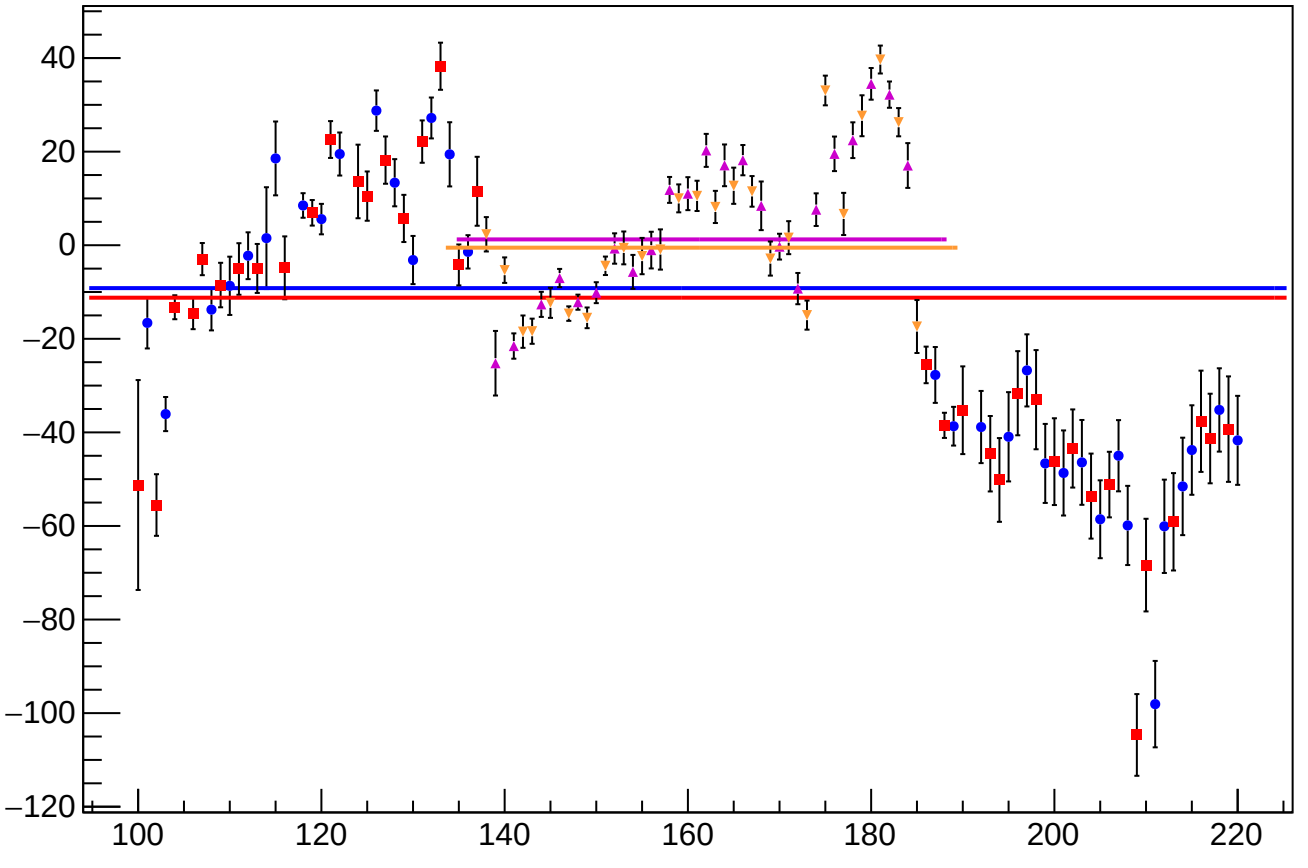
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 198.154+/-0.560 χ^2/NDF: 11241.2/68

In: 188.286+/-0.594 χ^2/NDF:5779.2/55

Out: 187.066+/-0.557 χ^2/NDF:10257.2/60

All: 187.637+/-0.406 χ^2/NDF: 16038.7/116



Right In: -9.168+/-0.953 χ^2/NDF: 776.1/32

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -11.216+/-0.858 χ^2/NDF: 856.0/35

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

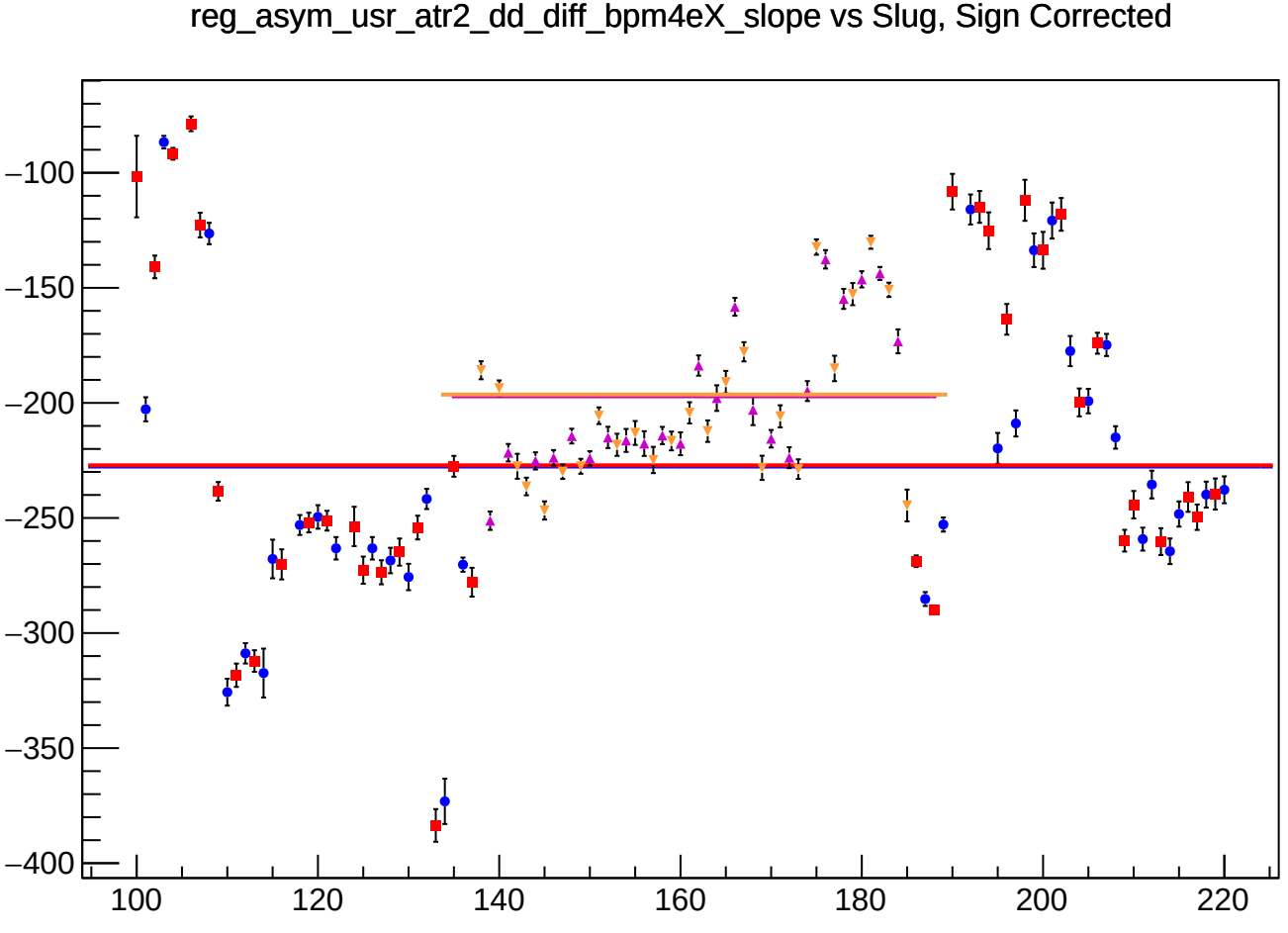
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -10.300+/-0.638 χ^2/NDF: 1634.6/68

In: -1.889+/-0.523 χ^2/NDF:1480.0/55

Out: -4.041+/-0.492 χ^2/NDF:1684.7/60

All: -3.030+/-0.358 χ^2/NDF: 3173.6/116



Right In: -227.635+/-0.848 χ^2/NDF: 5949.9/32

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -227.129+/-0.746 χ^2/NDF: 10677.0/35

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

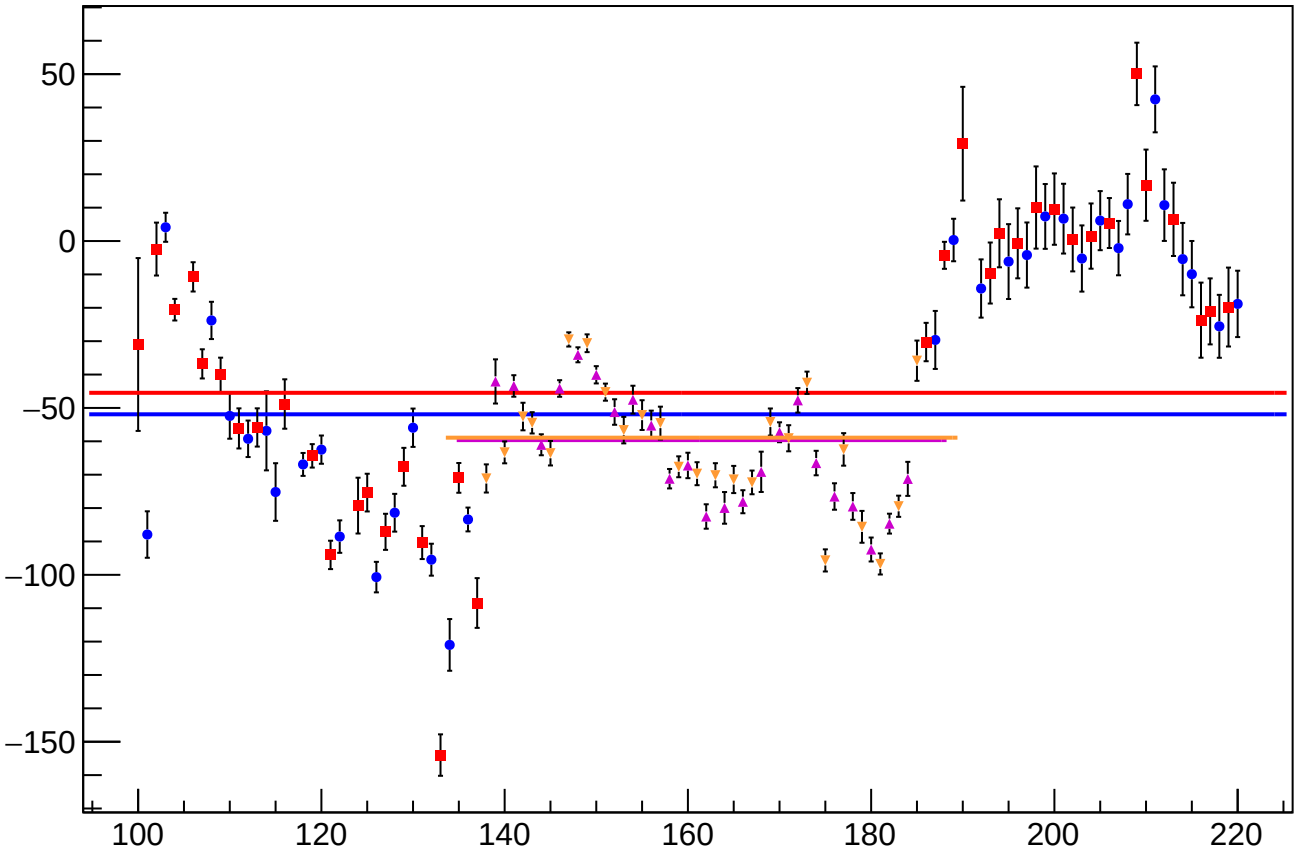
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -227.350+/-0.560 χ^2/NDF: 16627.1/68

In: -212.175+/-0.596 χ^2/NDF:8206.9/55

Out: -213.127+/-0.550 χ^2/NDF:13448.5/60

All: -212.689+/-0.404 χ^2/NDF: 21656.9/116



Right In: -51.907+/-1.111 χ^2/NDF: 1224.3/32

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -45.469+/-1.028 χ^2/NDF: 1433.8/35

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

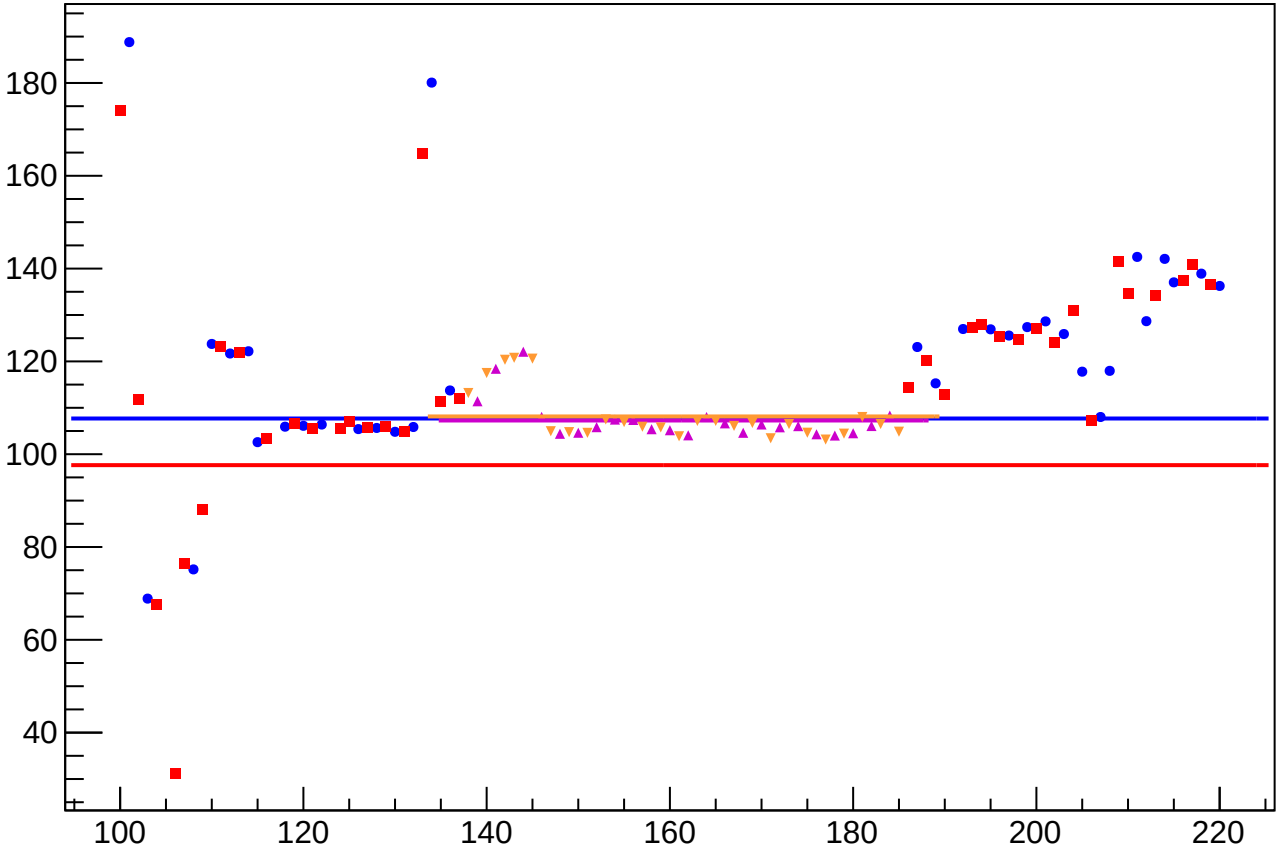
Right: -48.438+/-0.754 χ^2/NDF: 2676.2/68

In: -57.358+/-0.603 χ^2/NDF:1855.5/55

Out: -54.692+/-0.576 χ^2/NDF:2333.7/60

All: -55.963+/-0.416 χ^2/NDF: 4199.4/116

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 107.693+/-0.053 χ^2/NDF: 294392.6/32

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 97.642+/-0.050 χ^2/NDF: 421403.7/35

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

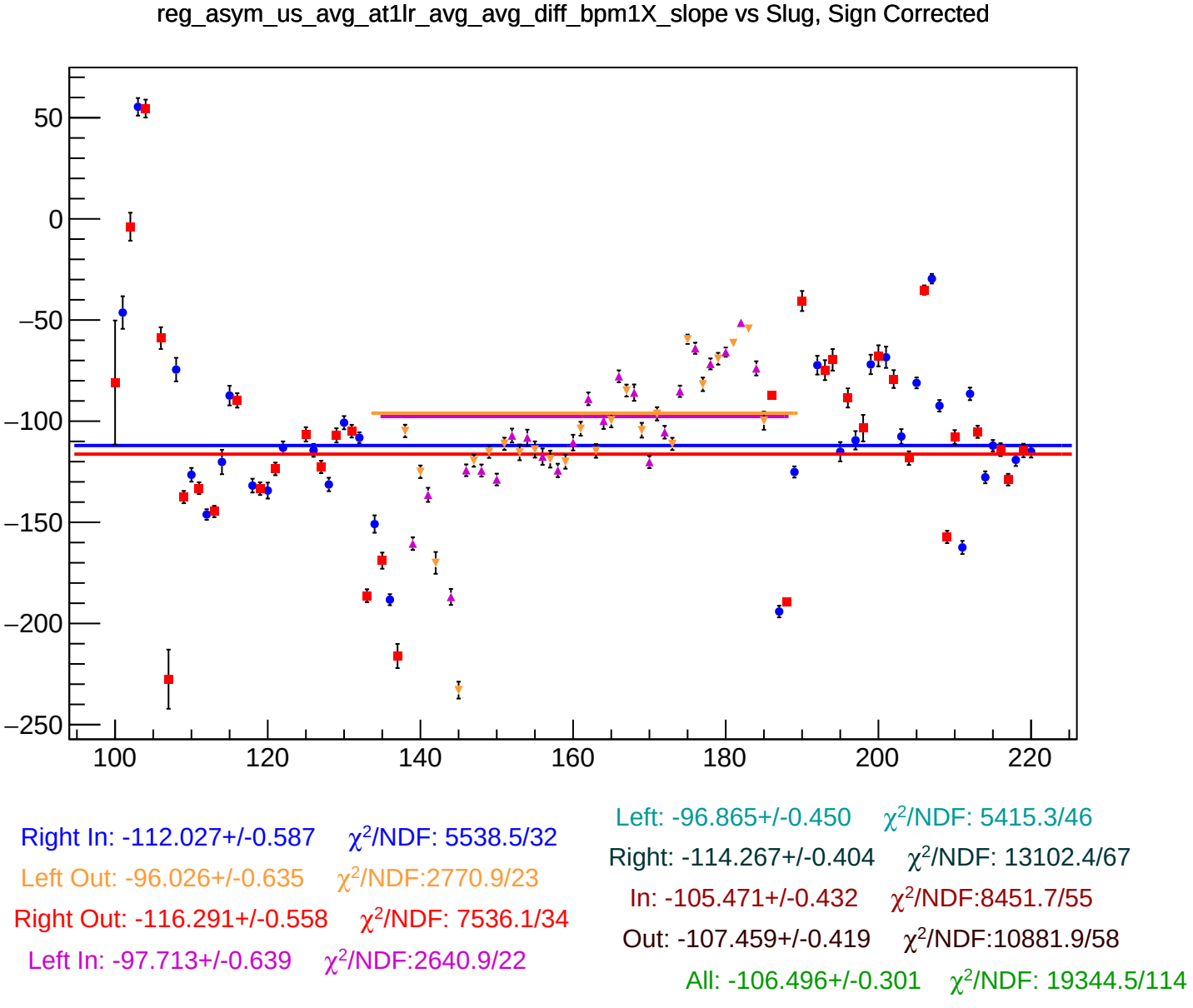
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 102.322+/-0.036 χ^2/NDF: 734826.8/68

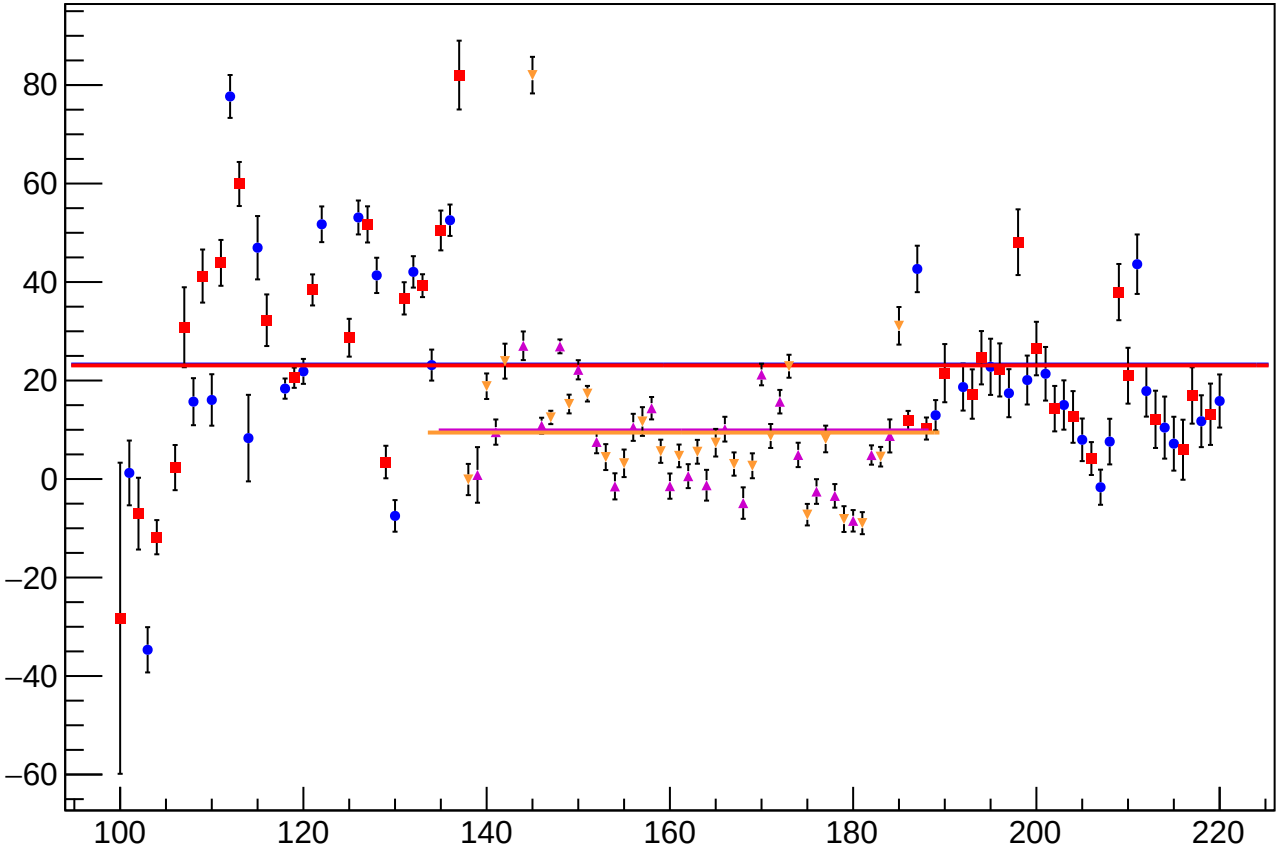
In: 107.384+/-0.028 χ^2/NDF:311318.5/55

Out: 105.000+/-0.027 χ^2/NDF:479065.7/60

All: 106.158+/-0.019 χ^2/NDF: 794121.4/116


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
220
Right In: -112.027+/-0.587 χ²/NDF: 5538.5/32
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -116.291+/-0.558 χ²/NDF: 7536.1/34
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -114.267+/-0.404 χ²/NDF: 13102.4/67
In: -105.471+/-0.432 χ²/NDF:8451.7/55
Out: -107.459+/-0.419 χ²/NDF:10881.9/58
All: -106.496+/-0.301 χ²/NDF: 19344.5/114

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 23.244+/-0.703 χ^2/NDF: 865.0/32

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 23.075+/-0.667 χ^2/NDF: 691.7/34

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

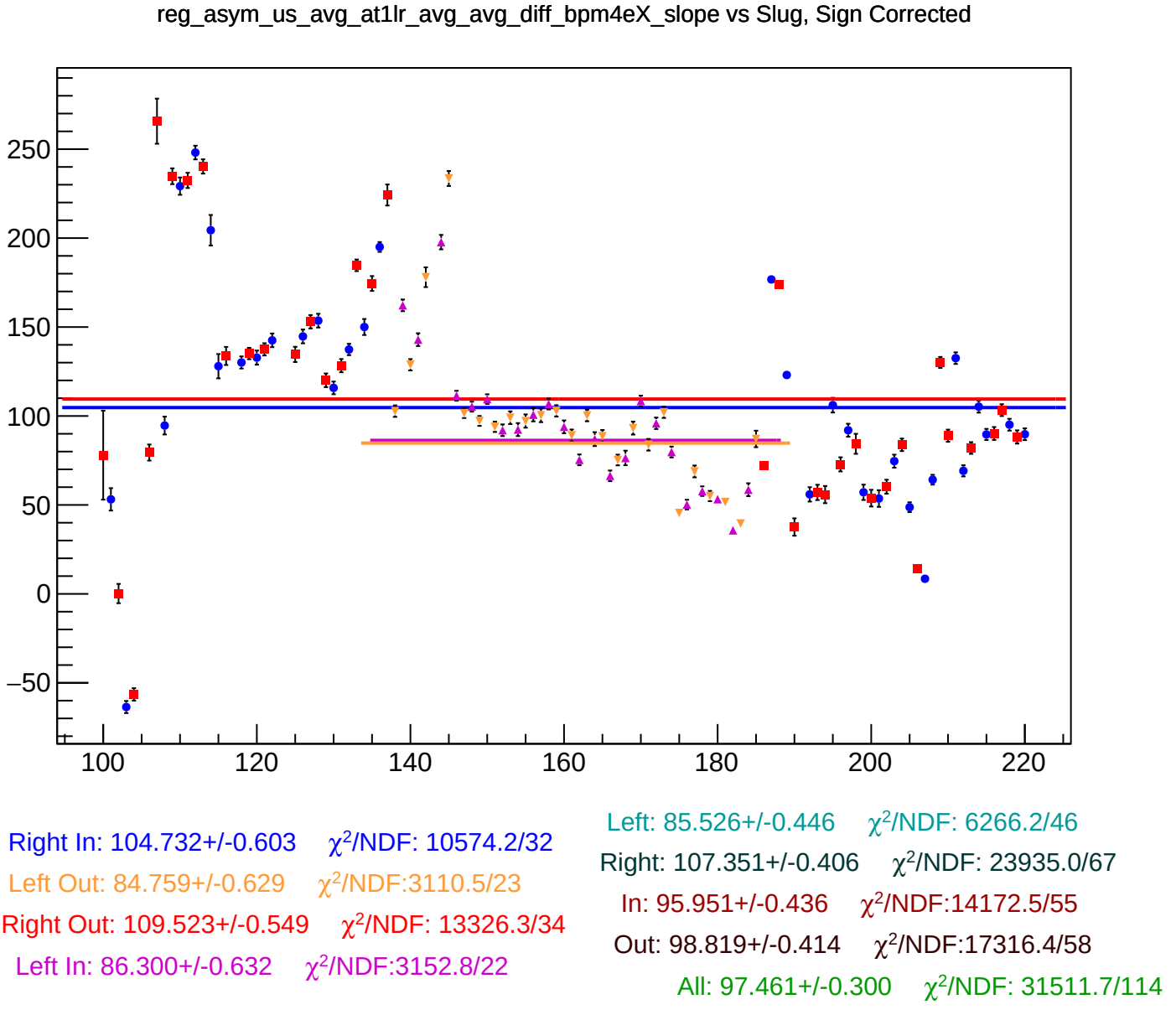
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.155+/-0.484 χ^2/NDF: 1556.7/67

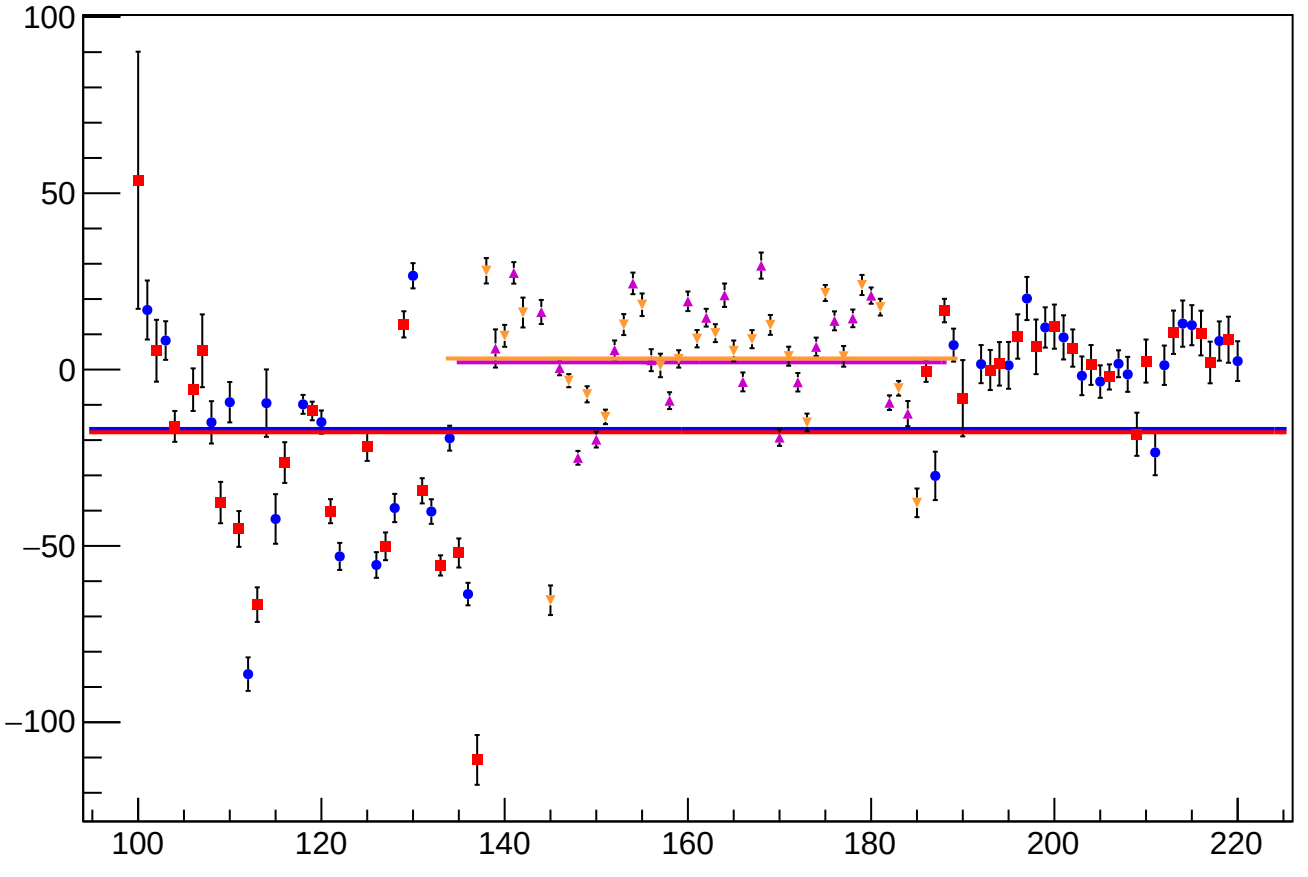
In: 14.195+/-0.400 χ^2/NDF:1595.1/55

Out: 14.062+/-0.389 χ^2/NDF:1704.0/58

All: 14.127+/-0.279 χ^2/NDF: 3299.2/114


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
220
Right In: 104.732+/-0.603 χ²/NDF: 10574.2/32
Left Out: 84.759+/-0.629 χ²/NDF:3110.5/23
Right Out: 109.523+/-0.549 χ²/NDF: 13326.3/34
Left In: 86.300+/-0.632 χ²/NDF:3152.8/22
Left: 85.526+/-0.446 χ²/NDF: 6266.2/46
Right: 107.351+/-0.406 χ²/NDF: 23935.0/67
In: 95.951+/-0.436 χ²/NDF:14172.5/55
Out: 98.819+/-0.414 χ²/NDF:17316.4/58
All: 97.461+/-0.300 χ²/NDF: 31511.7/114

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.839+/-0.809 χ^2/NDF: 1182.0/32

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -17.782+/-0.794 χ^2/NDF: 1128.5/34

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

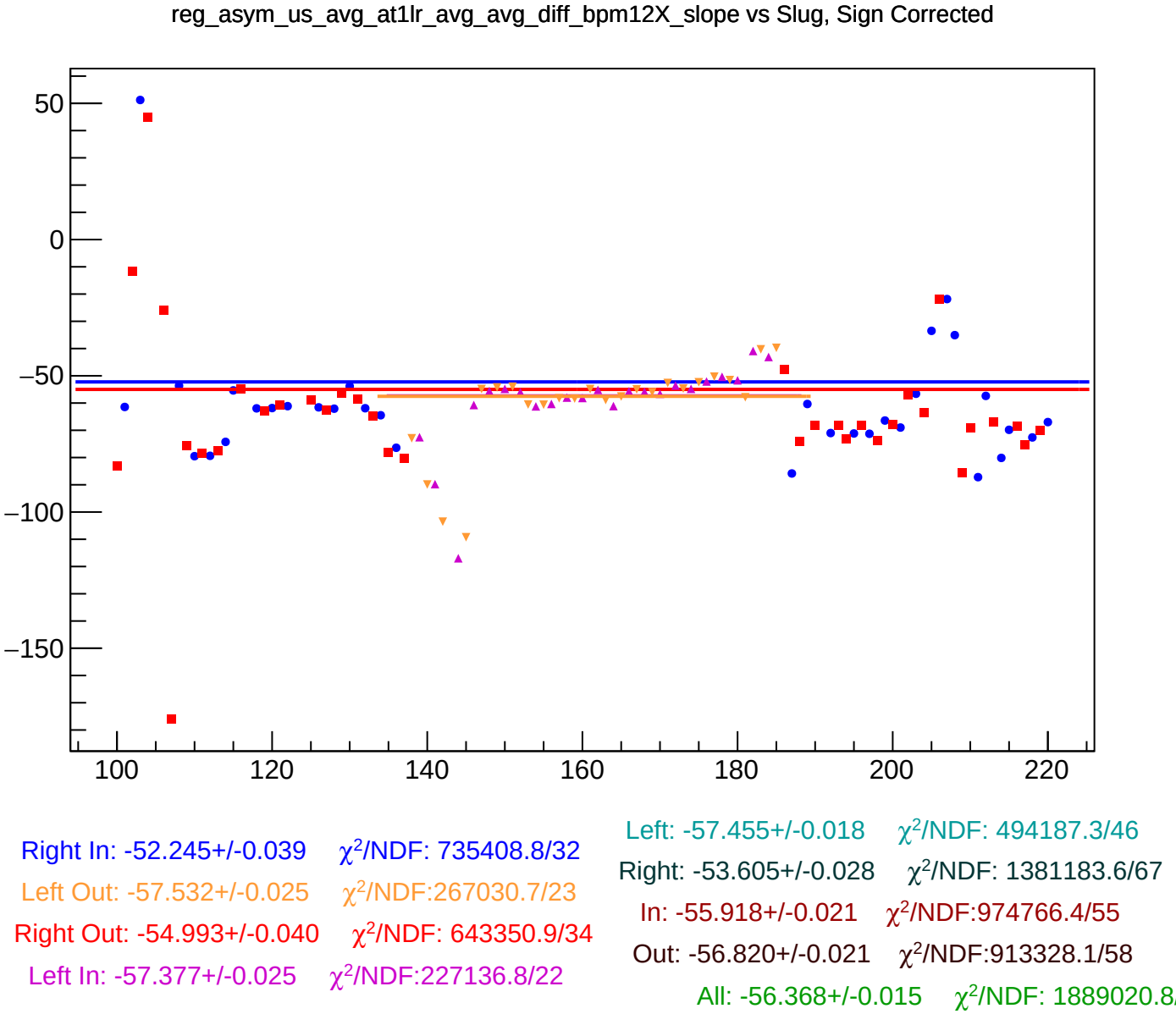
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -17.319+/-0.567 χ^2/NDF: 2311.2/67

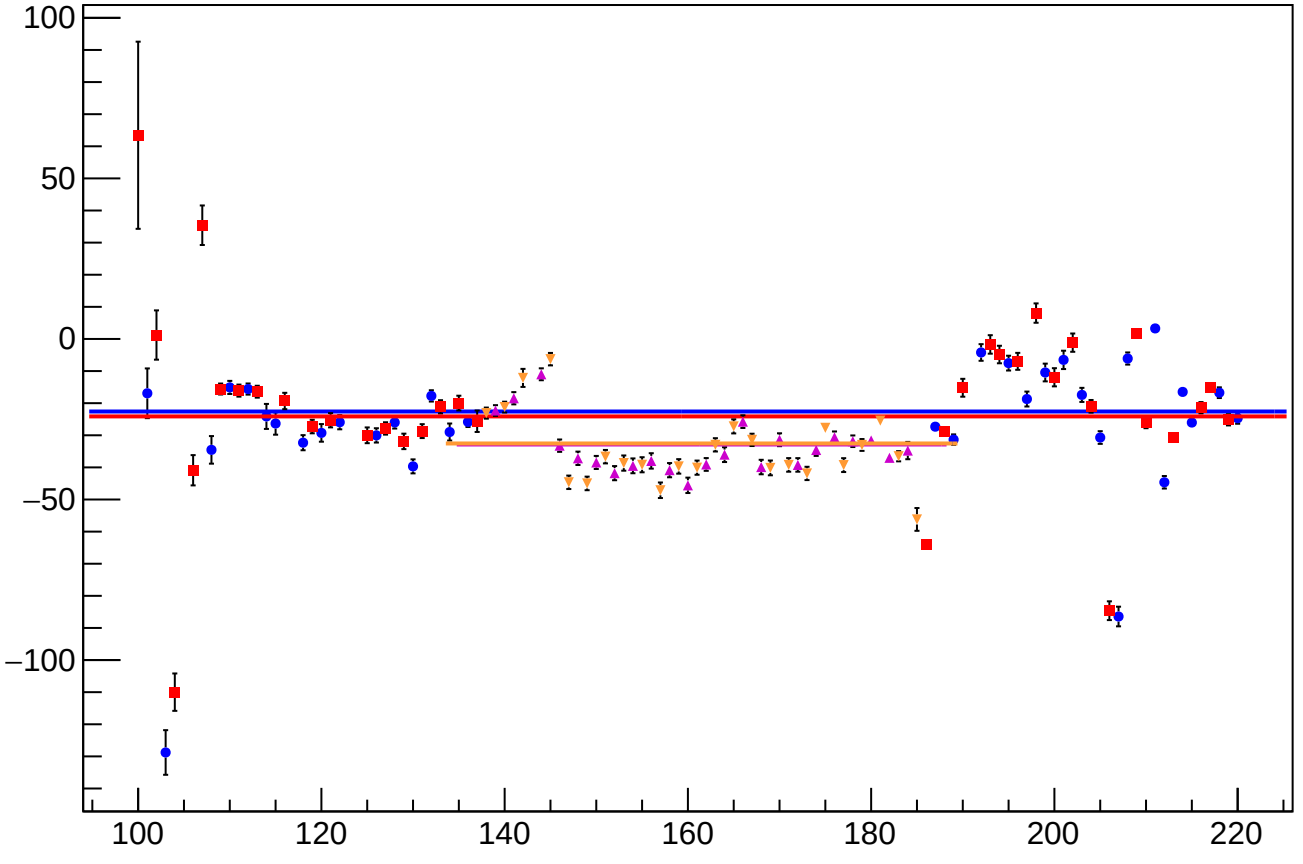
In: -3.935+/-0.455 χ^2/NDF:2405.2/55

Out: -3.532+/-0.449 χ^2/NDF:2415.5/58

All: -3.730+/-0.320 χ^2/NDF: 4821.1/114


reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: -52.245+/-0.039 χ²/NDF: 735408.8/32
Left Out: -57.532+/-0.025 χ²/NDF:267030.7/23
Right Out: -54.993+/-0.040 χ²/NDF: 643350.9/34
Left In: -57.377+/-0.025 χ²/NDF:227136.8/22
Left: -57.455+/-0.018 χ²/NDF: 494187.3/46
Right: -53.605+/-0.028 χ²/NDF: 1381183.6/67
In: -55.918+/-0.021 χ²/NDF:974766.4/55
Out: -56.820+/-0.021 χ²/NDF:913328.1/58
All: -56.368+/-0.015 χ²/NDF: 1889020.8/114

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.593+/-0.361 χ^2/NDF: 1556.8/32

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -24.122+/-0.345 χ^2/NDF: 2422.2/34

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

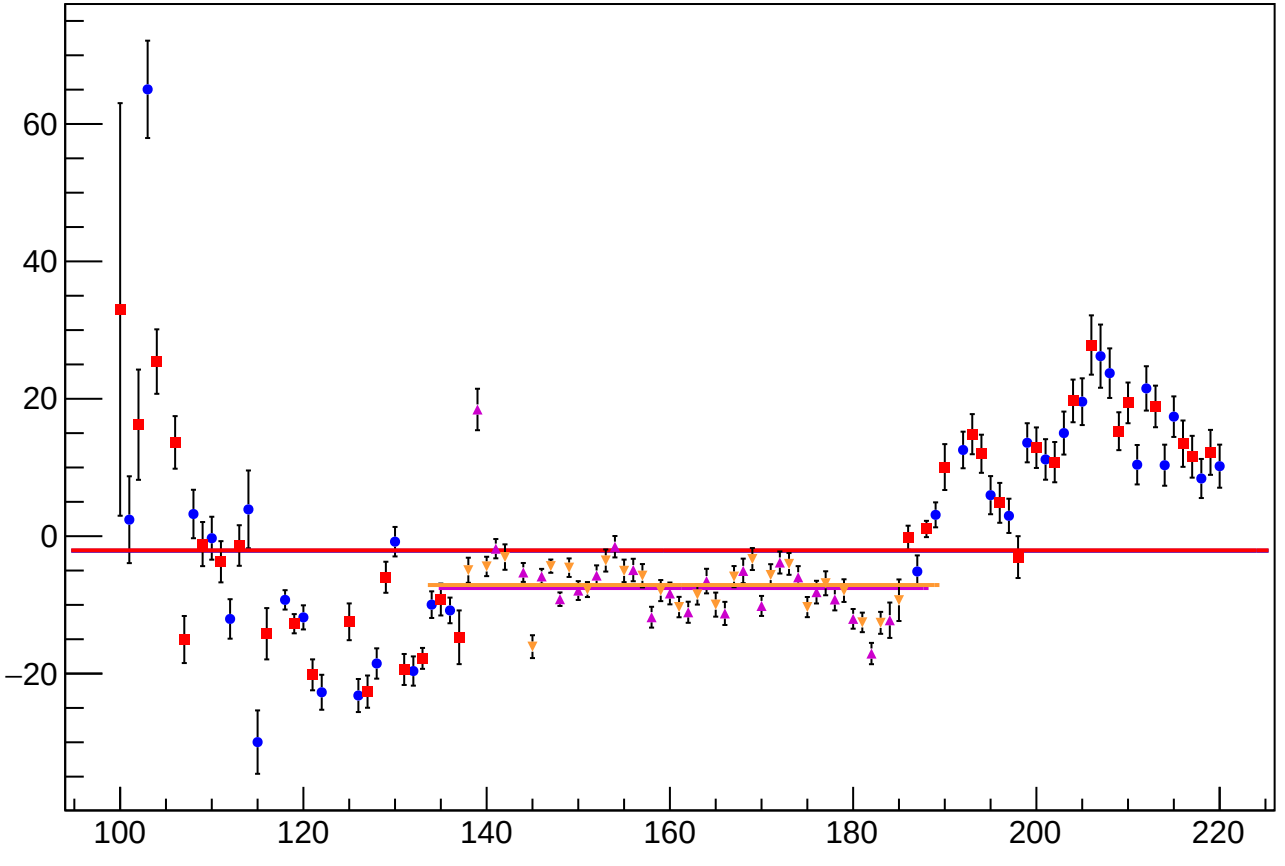
Right: -23.391+/-0.249 χ^2/NDF: 3988.4/67

In: -27.057+/-0.271 χ^2/NDF:2282.8/55

Out: -27.652+/-0.263 χ^2/NDF:3275.4/58

All: -27.363+/-0.189 χ^2/NDF: 5560.7/114

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.118+/-0.451 χ^2/NDF: 928.9/32

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -2.062+/-0.432 χ^2/NDF: 914.8/34

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

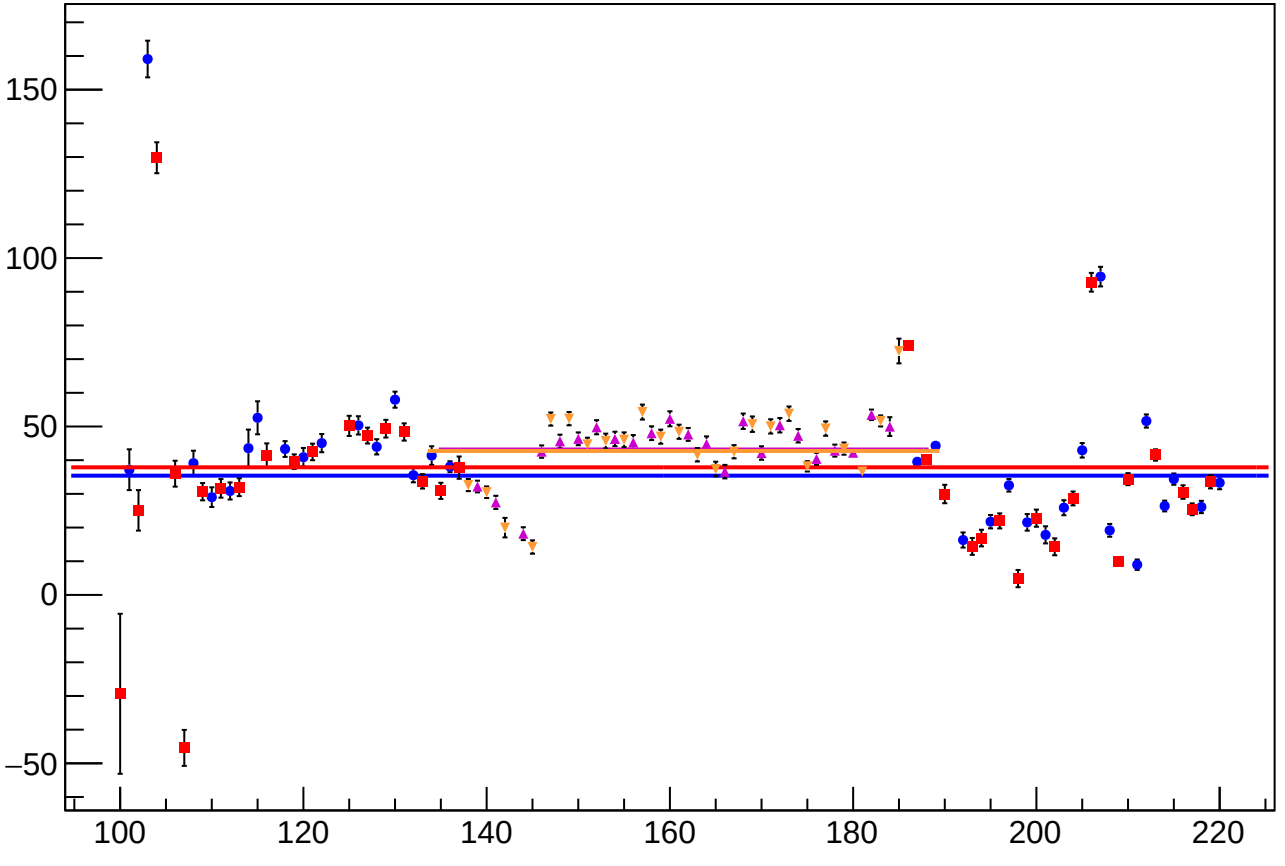
Right: -2.089+/-0.312 χ^2/NDF: 1843.7/67

In: -5.766+/-0.258 χ^2/NDF:1226.0/55

Out: -5.402+/-0.252 χ^2/NDF:1114.5/58

All: -5.579+/-0.180 χ^2/NDF: 2341.5/114

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 35.404+/-0.370 χ^2/NDF: 1899.4/32

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 37.885+/-0.343 χ^2/NDF: 3149.7/34

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

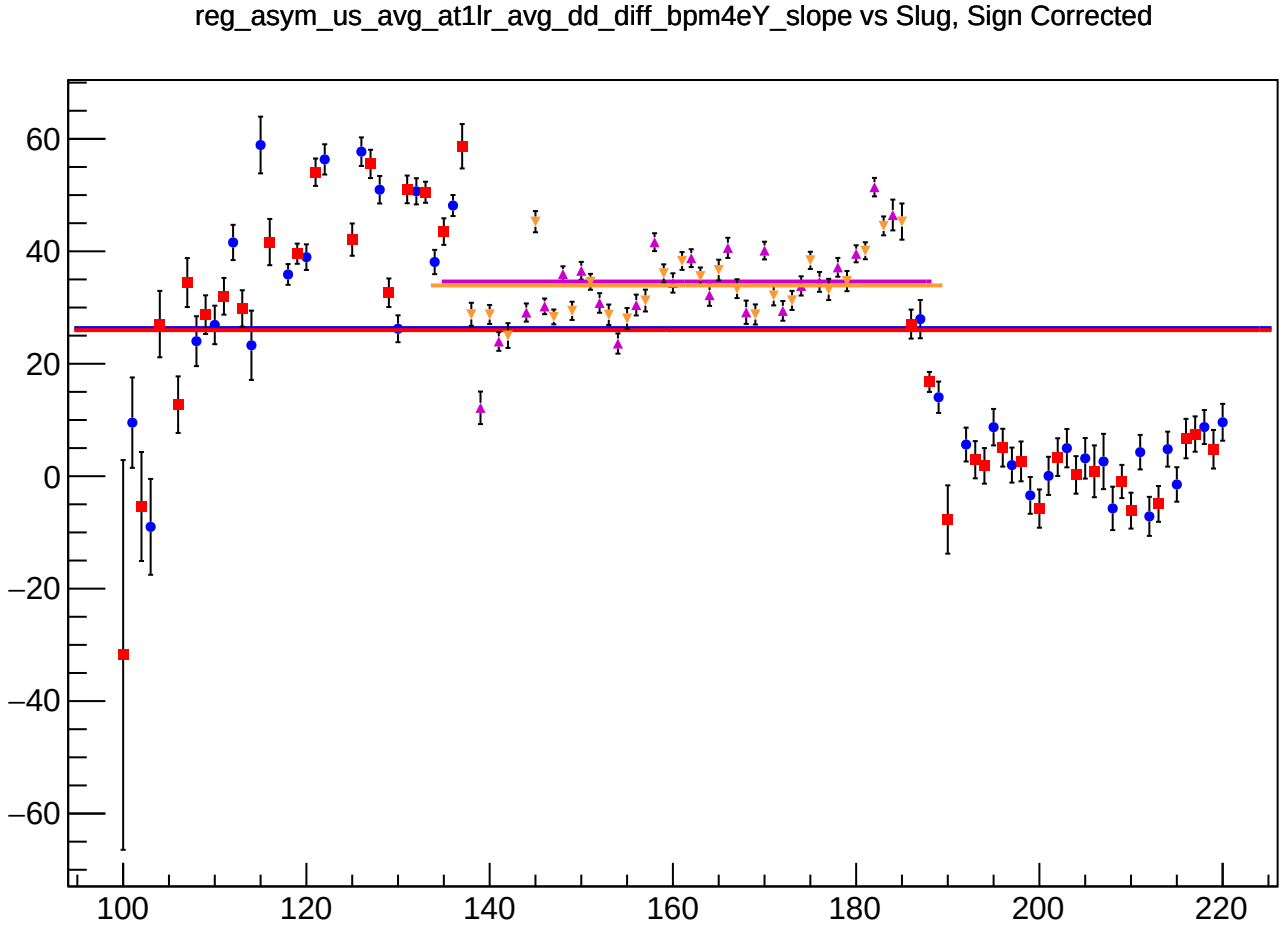
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 36.739+/-0.251 χ^2/NDF: 5073.3/67

In: 38.915+/-0.274 χ^2/NDF:2511.6/55

Out: 39.923+/-0.261 χ^2/NDF:3865.5/58

All: 39.443+/-0.189 χ^2/NDF: 6384.3/114



Right In: 26.342+/-0.519 χ^2/NDF: 1605.4/32

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 25.978+/-0.512 χ^2/NDF: 1658.3/34

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

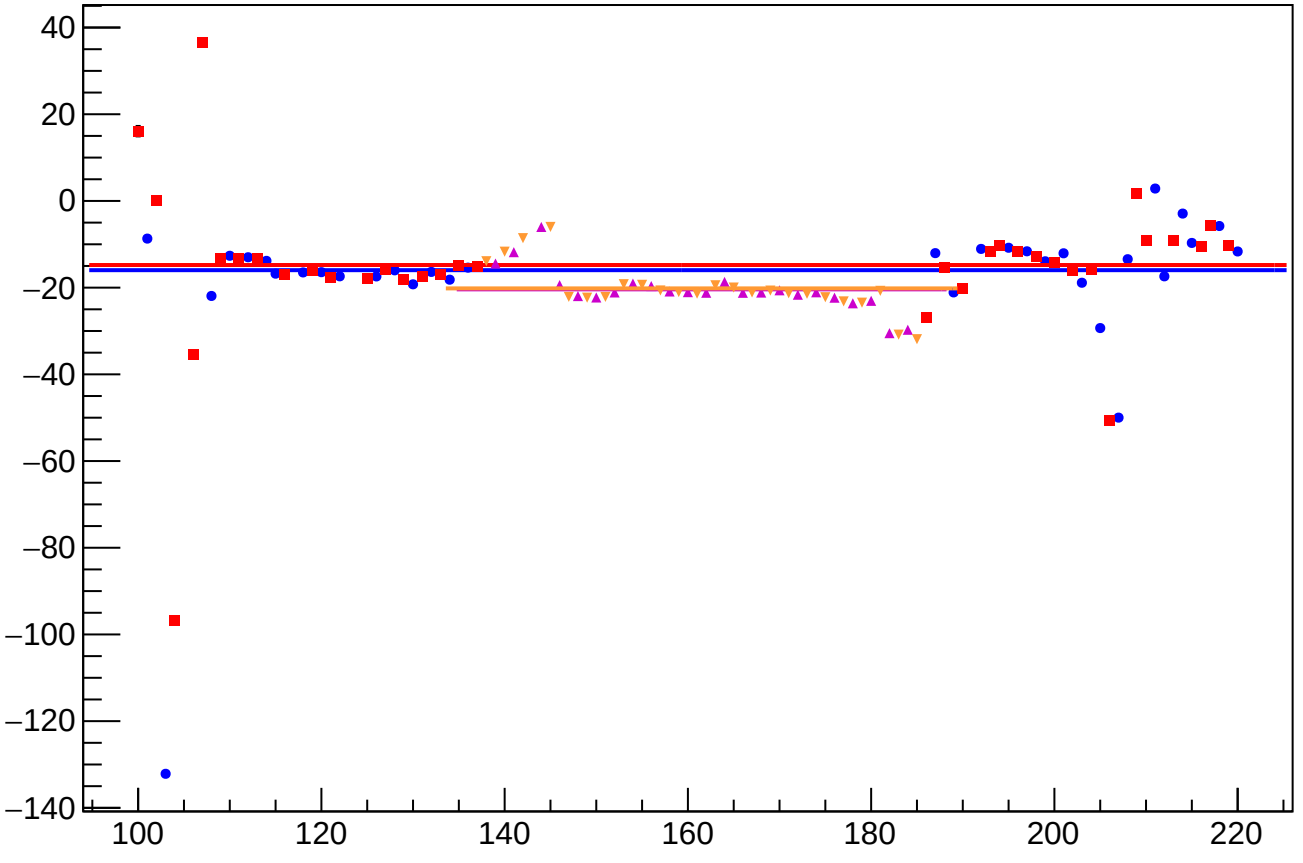
Right: 26.158+/-0.364 χ^2/NDF: 3264.0/67

In: 31.970+/-0.294 χ^2/NDF:2154.6/55

Out: 31.390+/-0.289 χ^2/NDF:2039.0/58

All: 31.676+/-0.206 χ^2/NDF: 4195.6/114

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -15.970+/-0.025 χ^2/NDF: 336349.9/32

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -14.783+/-0.025 χ^2/NDF: 279239.2/34

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

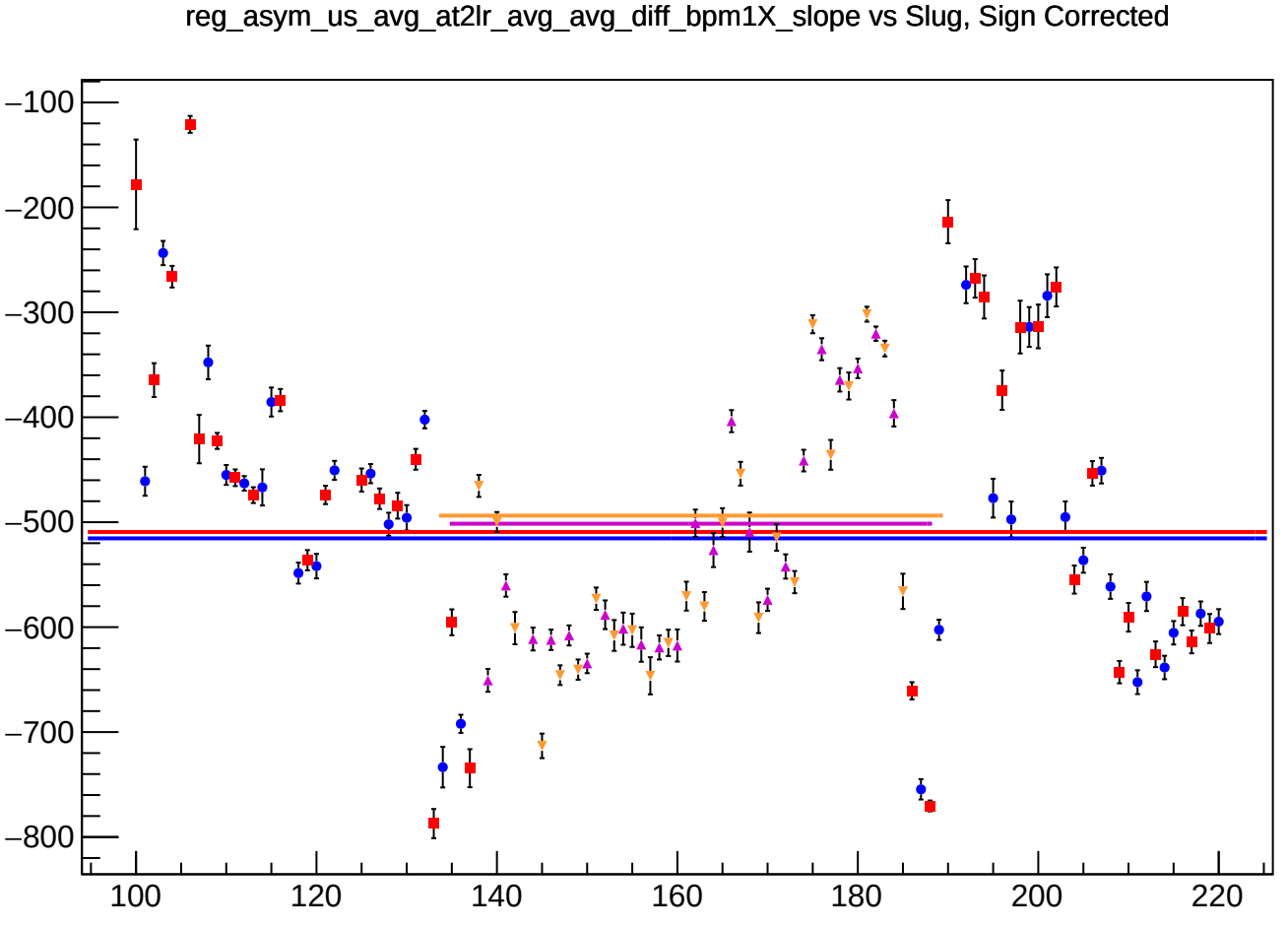
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -15.372+/-0.018 χ^2/NDF: 616693.6/67

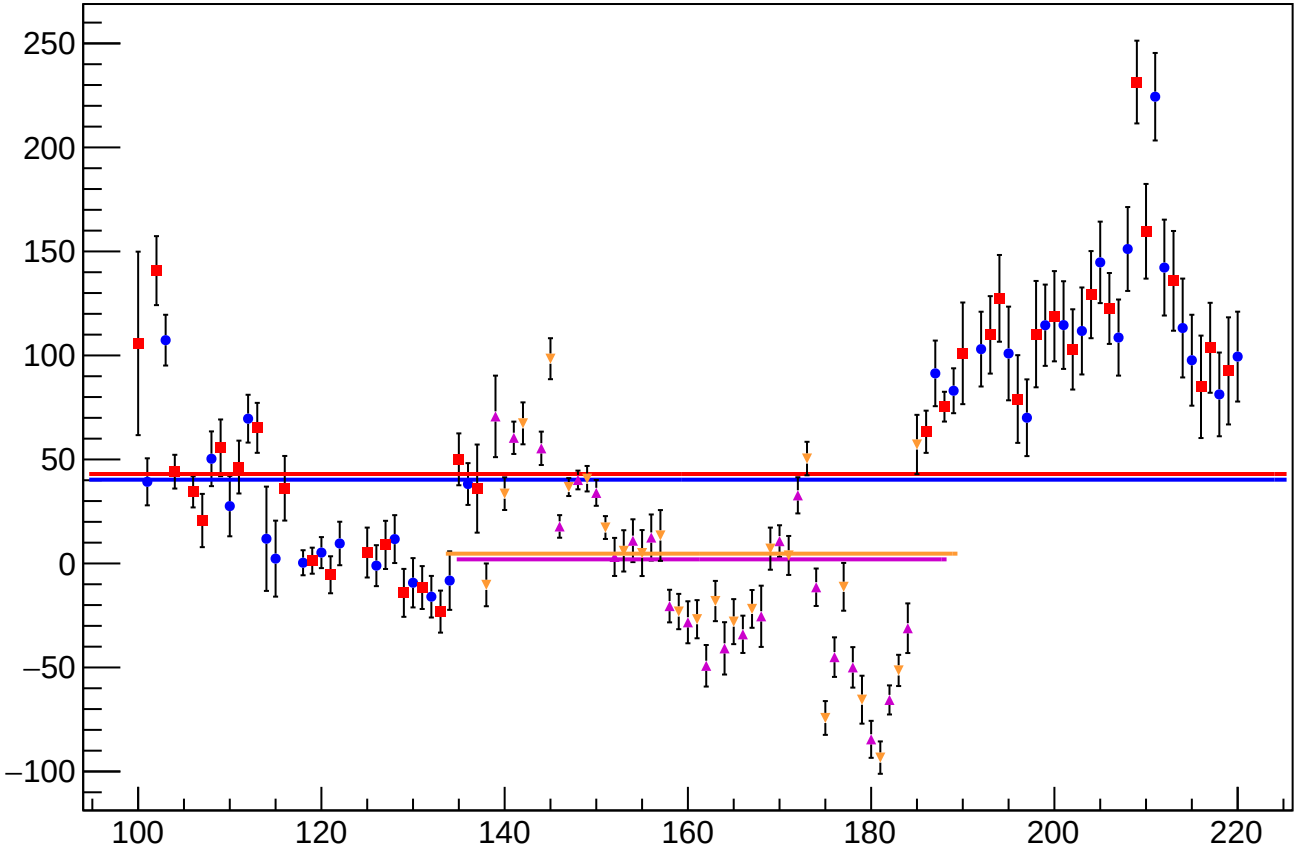
In: -19.160+/-0.013 χ^2/NDF:439474.7/55

Out: -18.654+/-0.013 χ^2/NDF:412134.2/58

All: -18.906+/-0.009 χ^2/NDF: 852324.6/114


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
120
140
160
180
200
220
Right In: -515.402+/-2.002 χ²/NDF: 3325.8/32
Left Out: -493.722+/-2.295 χ²/NDF:3150.0/23
Right Out: -509.307+/-1.863 χ²/NDF: 8330.4/34
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
Left: -497.555+/-1.627 χ²/NDF: 5844.9/46
Right: -512.136+/-1.364 χ²/NDF: 11661.1/67
In: -509.396+/-1.512 χ²/NDF:6036.0/55
Out: -503.114+/-1.447 χ²/NDF:11508.2/58
All: -506.117+/-1.045 χ²/NDF: 17553.2/114

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 40.270+/-2.292 χ^2/NDF: 486.9/32

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 43.001+/-2.152 χ^2/NDF: 509.5/34

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

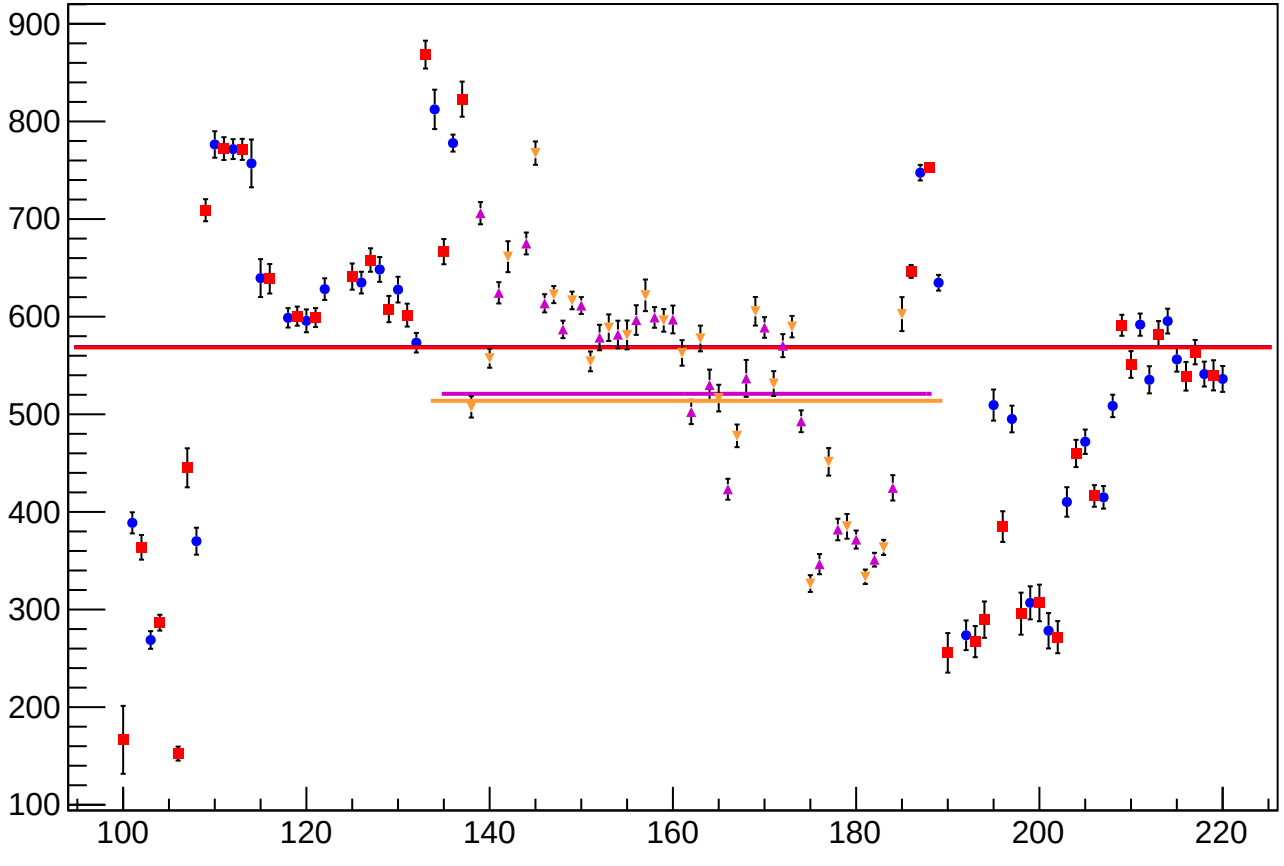
Right: 41.721+/-1.569 χ^2/NDF: 997.2/67

In: 15.789+/-1.377 χ^2/NDF:1226.2/55

Out: 19.375+/-1.332 χ^2/NDF:1385.2/58

All: 17.641+/-0.957 χ^2/NDF: 2614.9/114

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 568.961+/-2.081 χ^2/NDF: 5027.3/32

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 568.544+/-1.876 χ^2/NDF: 10681.7/34

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

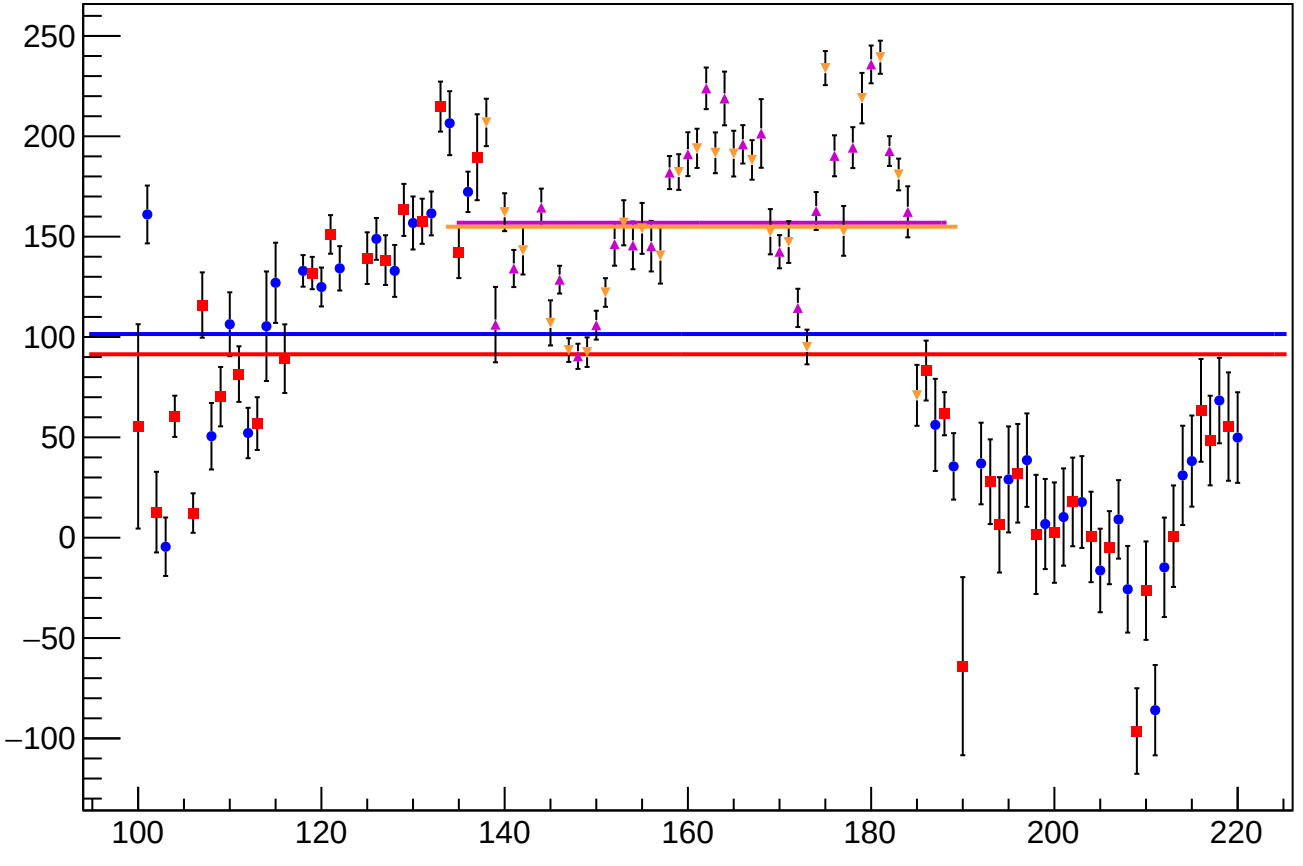
Right: 568.731+/-1.393 χ^2/NDF: 15708.9/67

In: 547.194+/-1.538 χ^2/NDF:7711.2/55

Out: 546.423+/-1.448 χ^2/NDF:13761.1/58

All: 546.785+/-1.054 χ^2/NDF: 21472.4/114

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 101.470+/-2.667 χ^2/NDF: 588.3/32

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 91.396+/-2.562 χ^2/NDF: 639.1/34

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

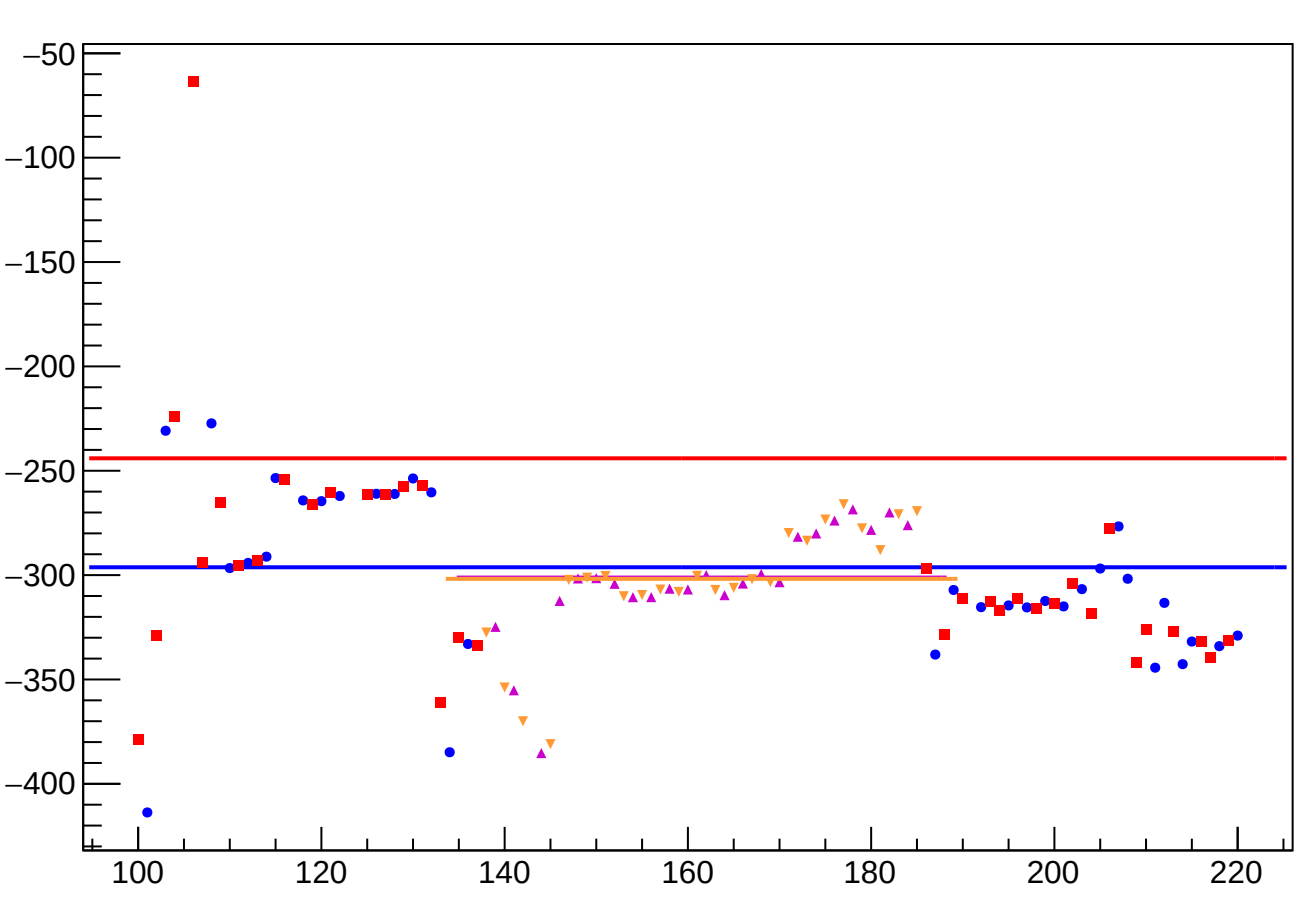
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 96.232+/-1.848 χ^2/NDF: 1234.8/67

In: 137.338+/-1.585 χ^2/NDF:1311.2/55

Out: 131.588+/-1.553 χ^2/NDF:1637.2/58

All: 134.405+/-1.109 χ^2/NDF: 2955.1/114



Right In: -296.238+/-0.136 χ^2/NDF: 120014.2/32

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -244.032+/-0.121 χ^2/NDF: 715929.5/34

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

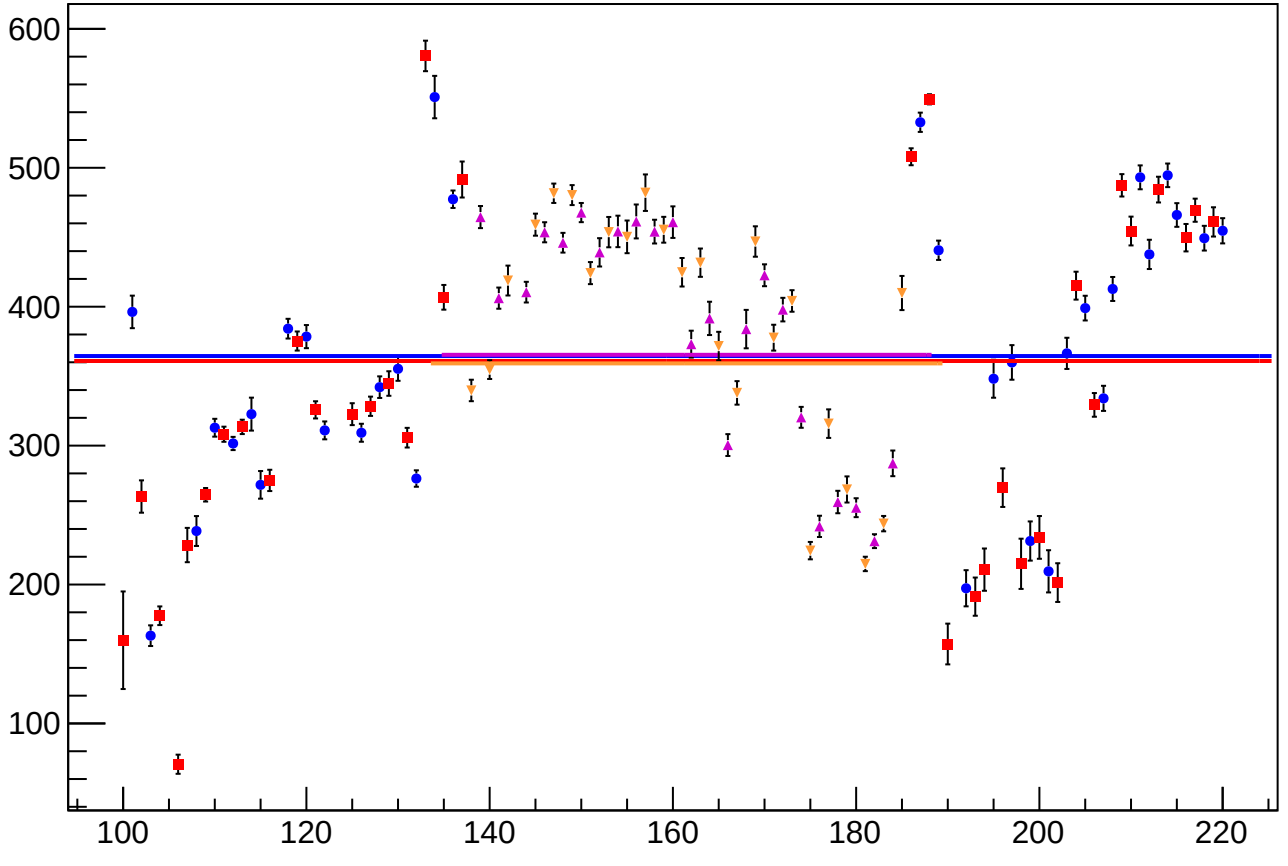
Right: -267.038+/-0.090 χ^2/NDF: 918069.3/67

In: -299.675+/-0.075 χ^2/NDF:196253.9/55

Out: -280.967+/-0.073 χ^2/NDF:948509.4/58

All: -290.004+/-0.052 χ^2/NDF: 1176835.6/11

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 364.482+/-1.444 χ^2/NDF: 4033.7/32

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 360.919+/-1.336 χ^2/NDF: 8995.3/34

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

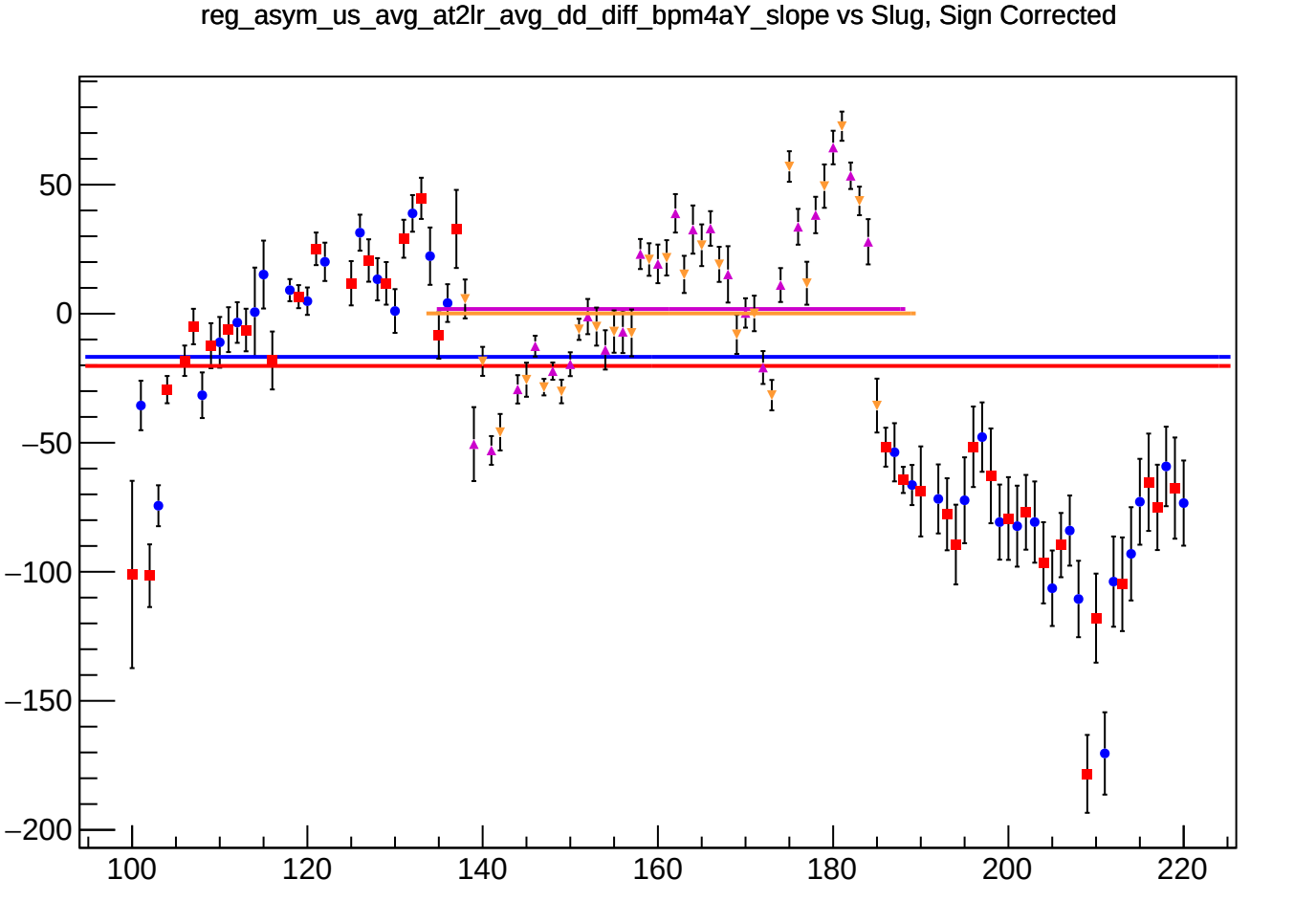
Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

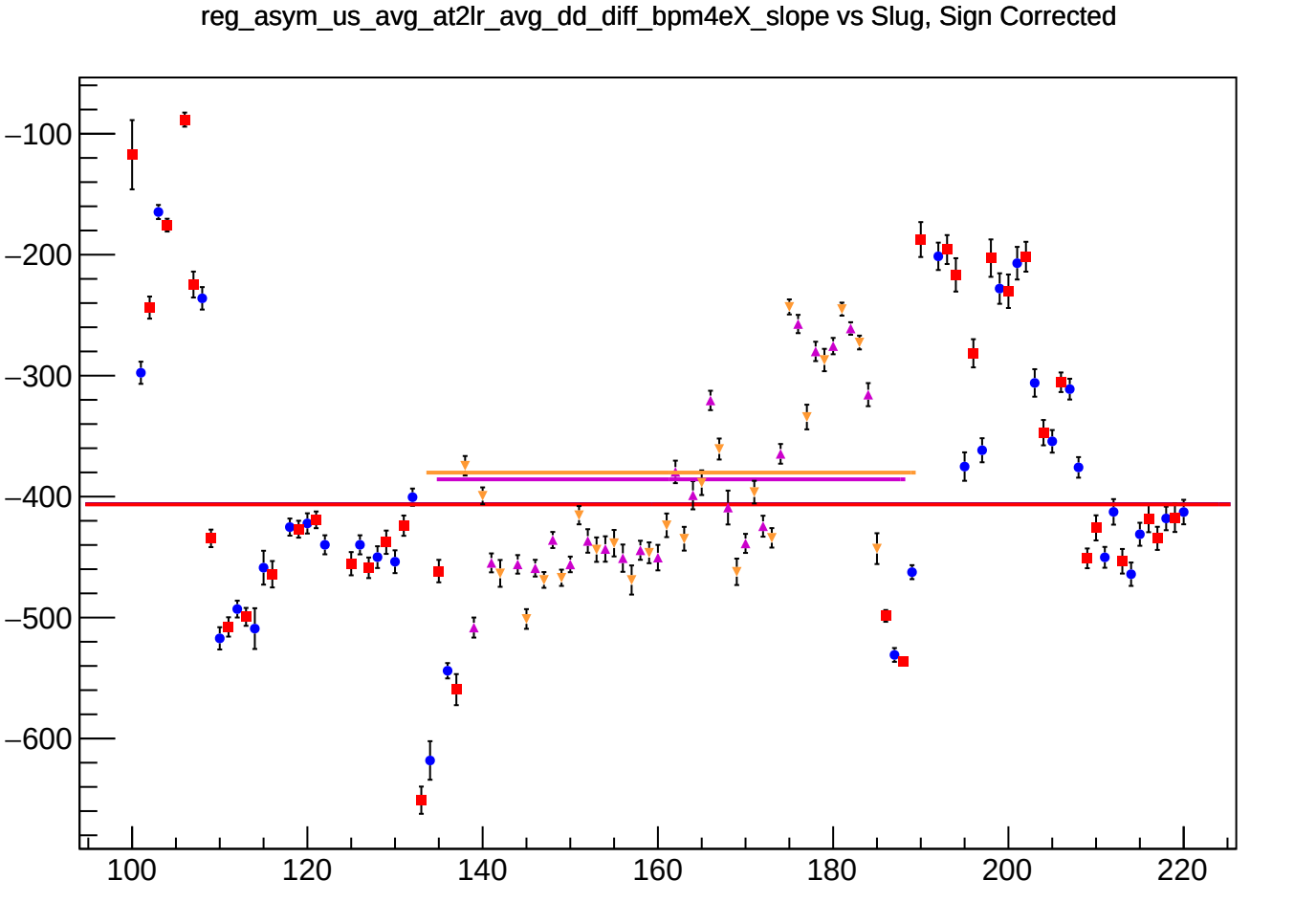
Right: 362.563+/-0.981 χ^2/NDF: 13032.3/67

In: 364.853+/-1.098 χ^2/NDF:6773.3/55

Out: 360.249+/-1.046 χ^2/NDF:12183.9/58

All: 362.439+/-0.758 χ^2/NDF: 18966.4/114


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
220
Right In: -16.738+/-1.649 χ²/NDF: 701.1/32
Left Out: 0.114+/-1.247 χ²/NDF:637.9/23
Right Out: -20.243+/-1.531 χ²/NDF: 747.6/34
Left In: 1.812+/-1.267 χ²/NDF:577.0/22
Left: 0.950+/-0.889 χ²/NDF: 1215.9/46
Right: -18.621+/-1.122 χ²/NDF: 1451.1/67
In: -5.072+/-1.005 χ²/NDF:1357.6/55
Out: -8.005+/-0.967 χ²/NDF:1491.8/58
All: -6.595+/-0.697 χ²/NDF: 2853.9/114



Right In: -406.204+/-1.506 χ^2/NDF: 4940.8/32

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -406.453+/-1.350 χ^2/NDF: 10725.7/34

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

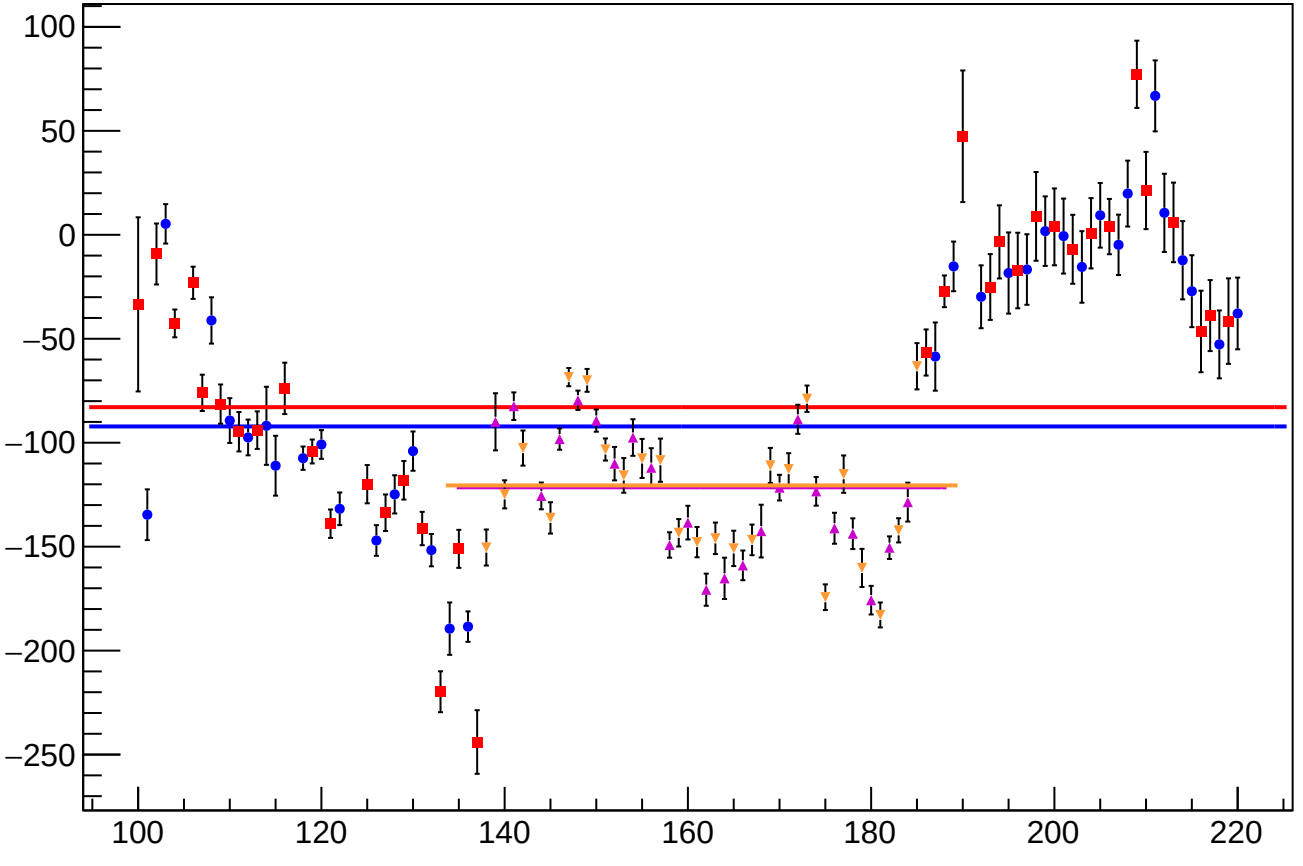
Right: -406.342+/-1.005 χ^2/NDF: 15666.5/67

In: -397.062+/-1.120 χ^2/NDF:7384.6/55

Out: -396.050+/-1.050 χ^2/NDF:13494.4/58

All: -396.523+/-0.766 χ^2/NDF: 20879.4/114

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -92.178+/-1.920 χ^2/NDF: 1003.3/32

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -82.907+/-1.822 χ^2/NDF: 1101.1/34

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

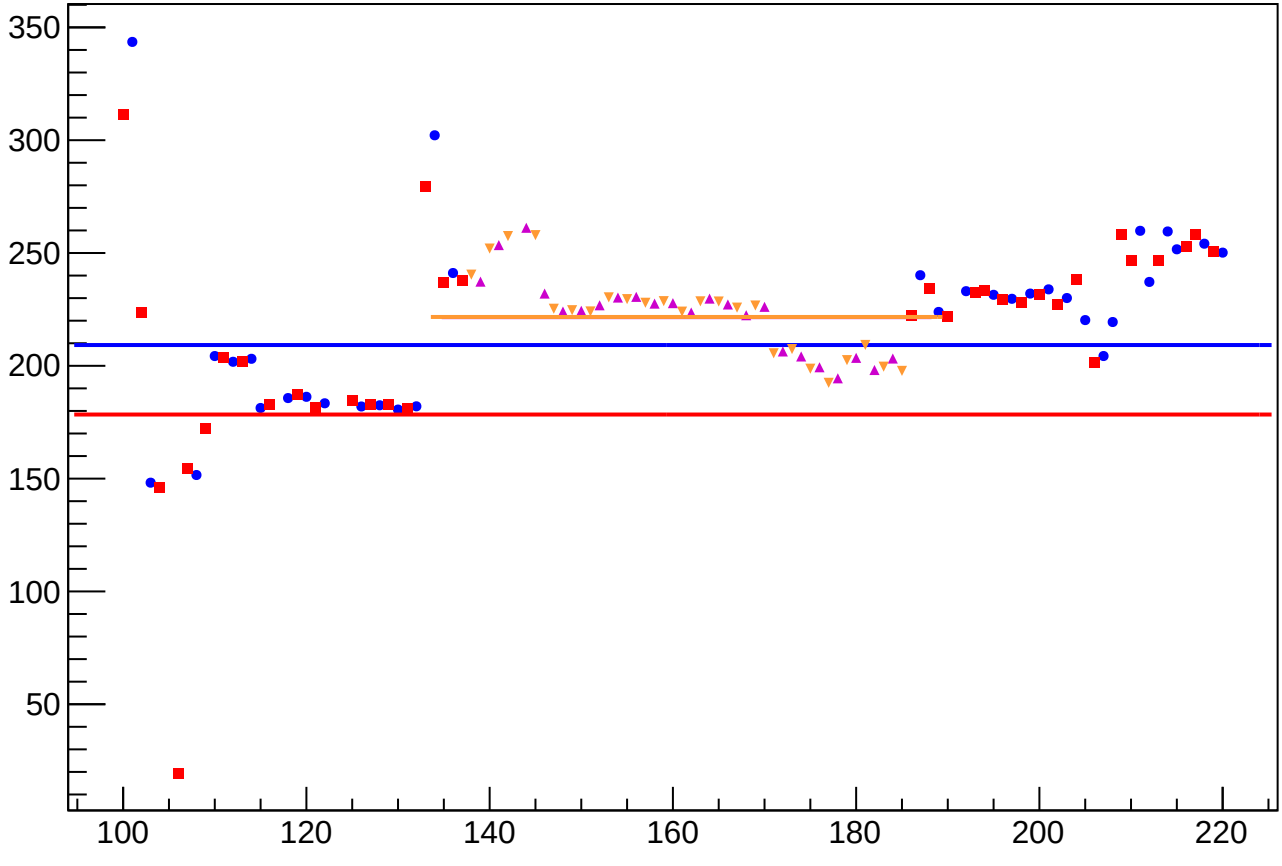
Right: -87.301+/-1.322 χ^2/NDF: 2116.7/67

In: -110.823+/-1.157 χ^2/NDF:1584.0/55

Out: -106.135+/-1.128 χ^2/NDF:1975.8/58

All: -108.419+/-0.807 χ^2/NDF: 3568.2/114

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 209.211+/-0.098 χ^2/NDF: 216097.5/32

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 178.408+/-0.089 χ^2/NDF: 689156.5/34

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

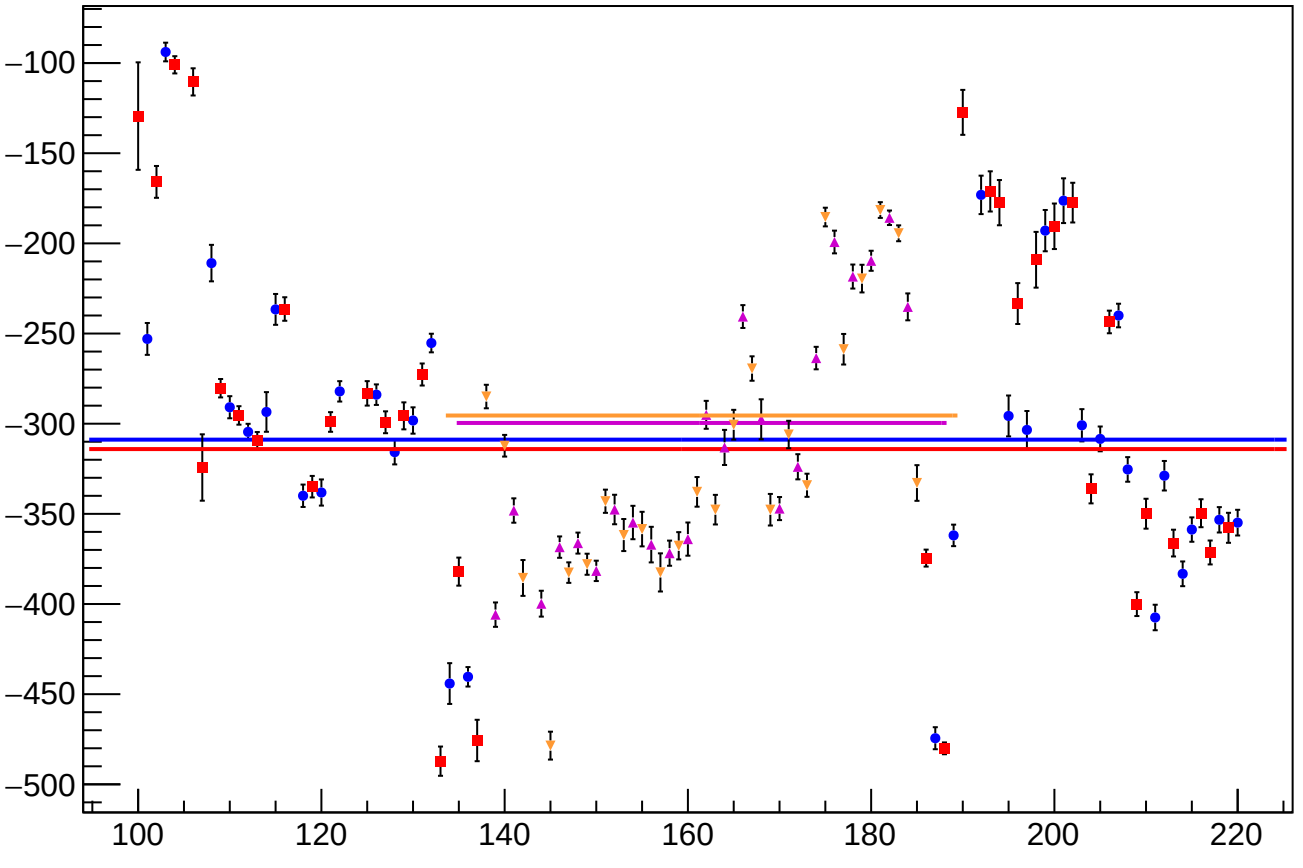
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 192.437+/-0.066 χ^2/NDF: 959214.2/67

In: 217.691+/-0.055 χ^2/NDF:289167.4/55

Out: 206.215+/-0.053 χ^2/NDF:906520.8/58

All: 211.808+/-0.038 χ^2/NDF: 1218140.3/114



Right In: -308.844+/-1.216 χ^2/NDF: 4638.8/32

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -314.081+/-1.154 χ^2/NDF: 8141.2/34

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

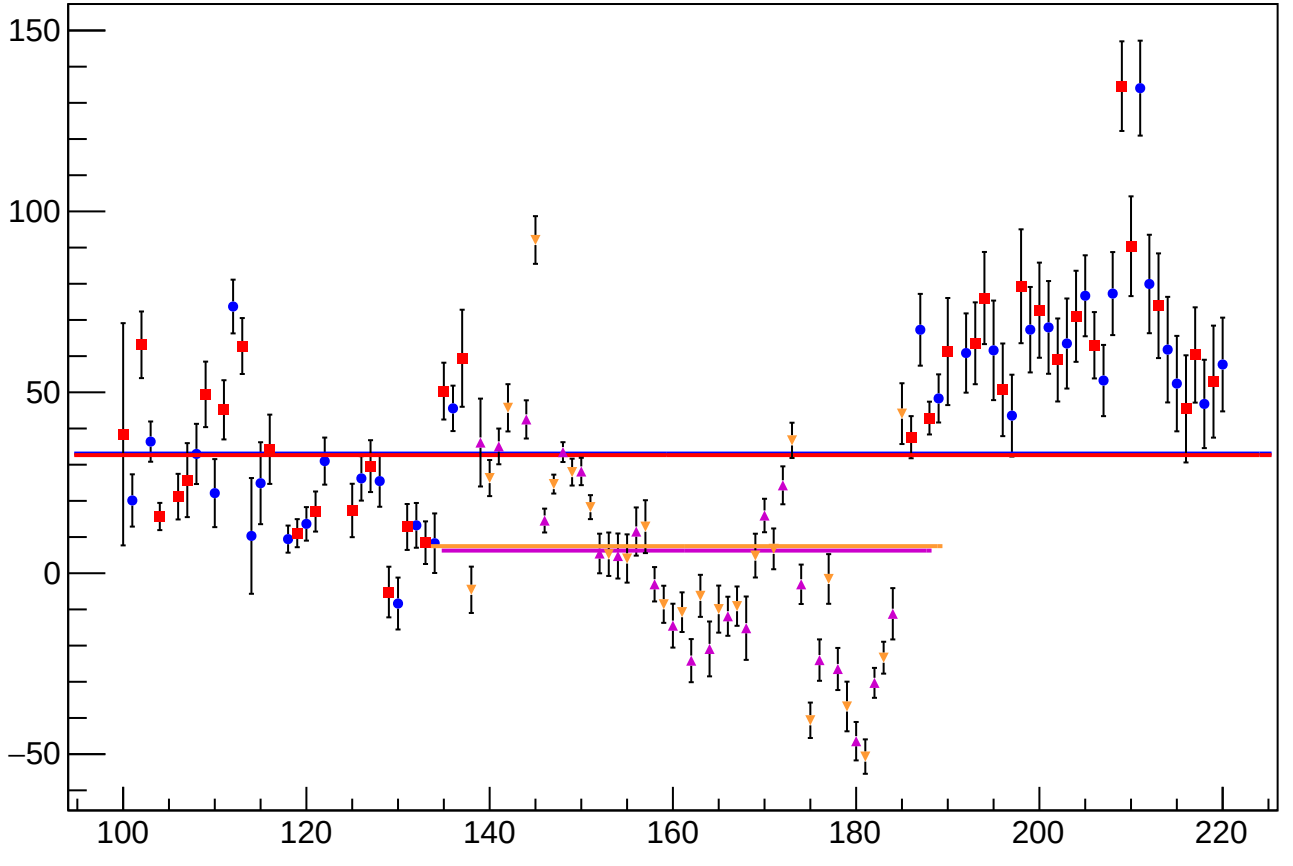
Right: -311.599+/-0.837 χ^2/NDF: 12789.7/67

In: -304.854+/-0.917 χ^2/NDF:7635.5/55

Out: -306.504+/-0.889 χ^2/NDF:11593.4/58

All: -305.705+/-0.638 χ^2/NDF: 19230.6/114

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 33.072+/-1.394 χ^2/NDF: 320.8/32

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 32.648+/-1.318 χ^2/NDF: 339.0/34

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

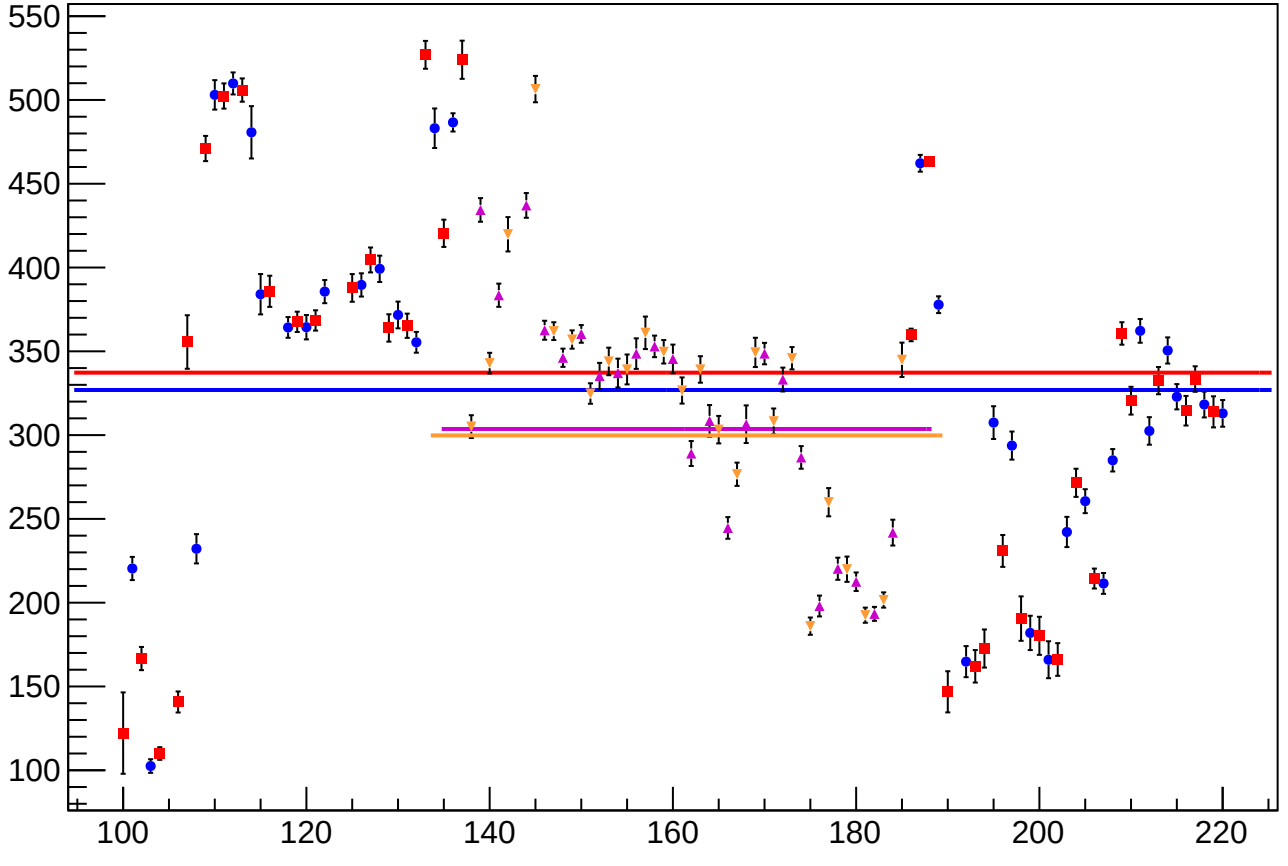
Right: 32.848+/-0.958 χ^2/NDF: 659.9/67

In: 15.908+/-0.836 χ^2/NDF:1117.2/55

Out: 17.018+/-0.811 χ^2/NDF:1303.8/58

All: 16.480+/-0.582 χ^2/NDF: 2421.8/114

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 326.925+/-1.248 χ^2/NDF: 8262.4/32

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 337.269+/-1.148 χ^2/NDF: 12171.0/34

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

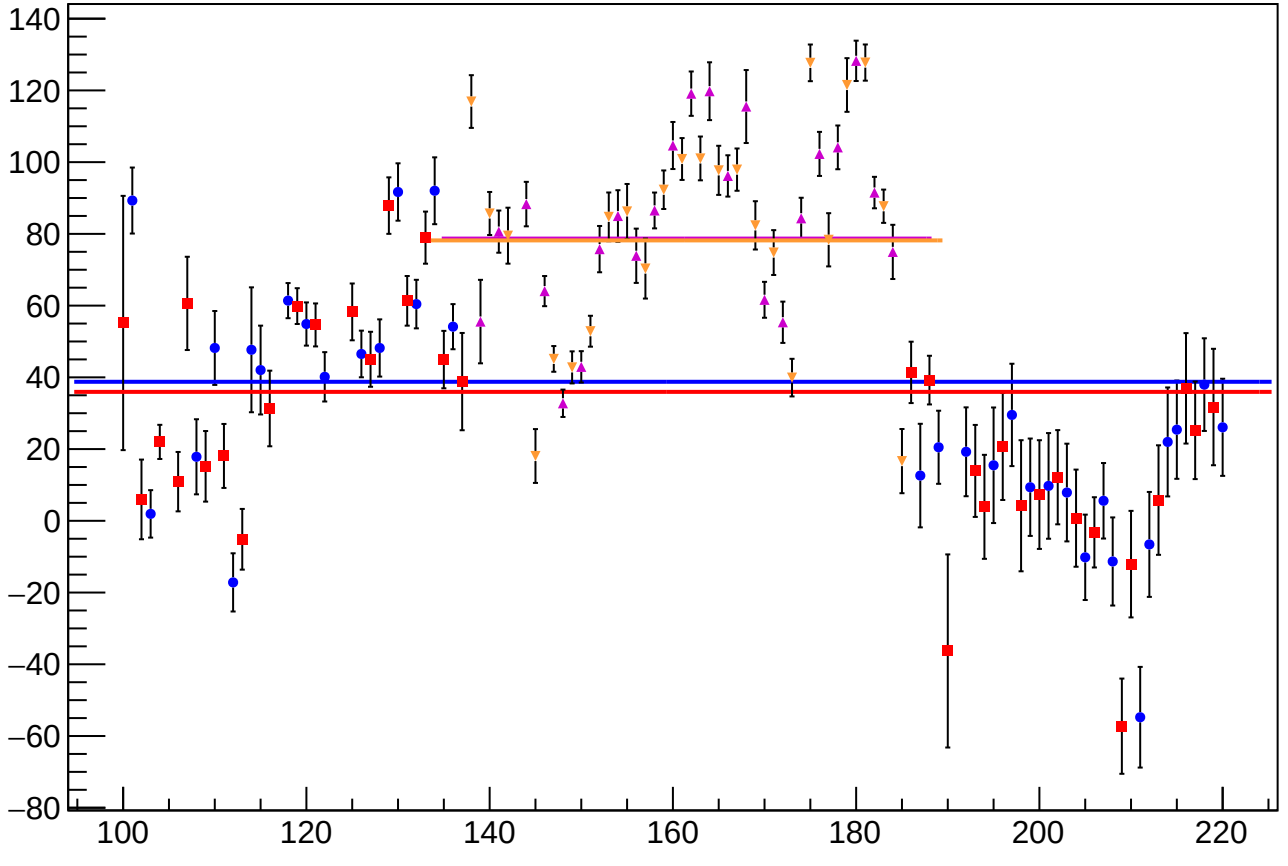
Right: 332.530+/-0.845 χ^2/NDF: 20470.6/67

In: 316.478+/-0.926 χ^2/NDF:11291.1/55

Out: 321.975+/-0.883 χ^2/NDF:15682.0/58

All: 319.359+/-0.639 χ^2/NDF: 26991.6/114

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.762+/-1.620 χ^2/NDF: 363.6/32

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 35.950+/-1.569 χ^2/NDF: 310.2/34

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

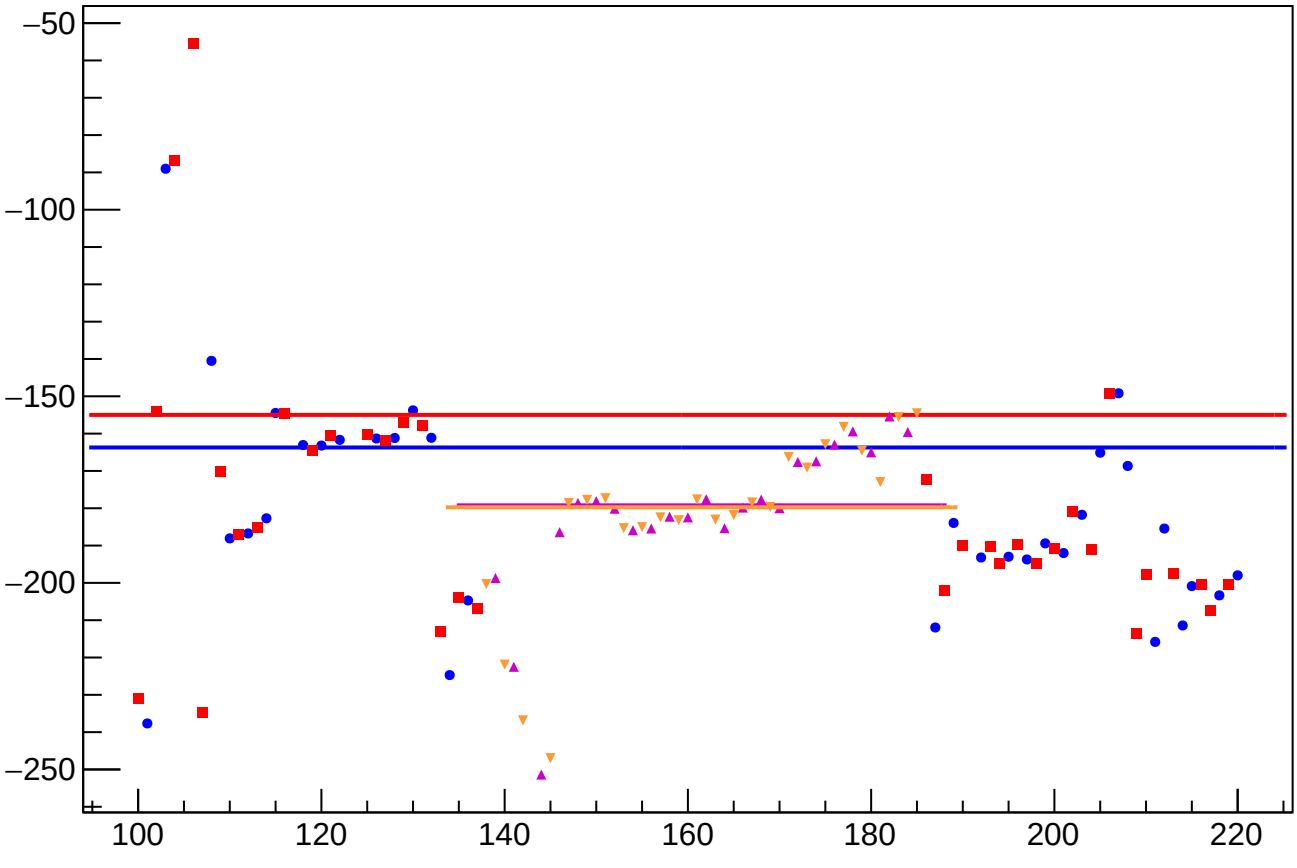
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.311+/-1.127 χ^2/NDF: 675.3/67

In: 64.624+/-0.962 χ^2/NDF:1245.5/55

Out: 62.845+/-0.945 χ^2/NDF:1435.1/58

All: 63.719+/-0.674 χ^2/NDF: 2682.3/114



Right In: -163.715+/-0.079 χ^2/NDF: 323972.8/32

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -154.984+/-0.076 χ^2/NDF: 444955.3/34

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

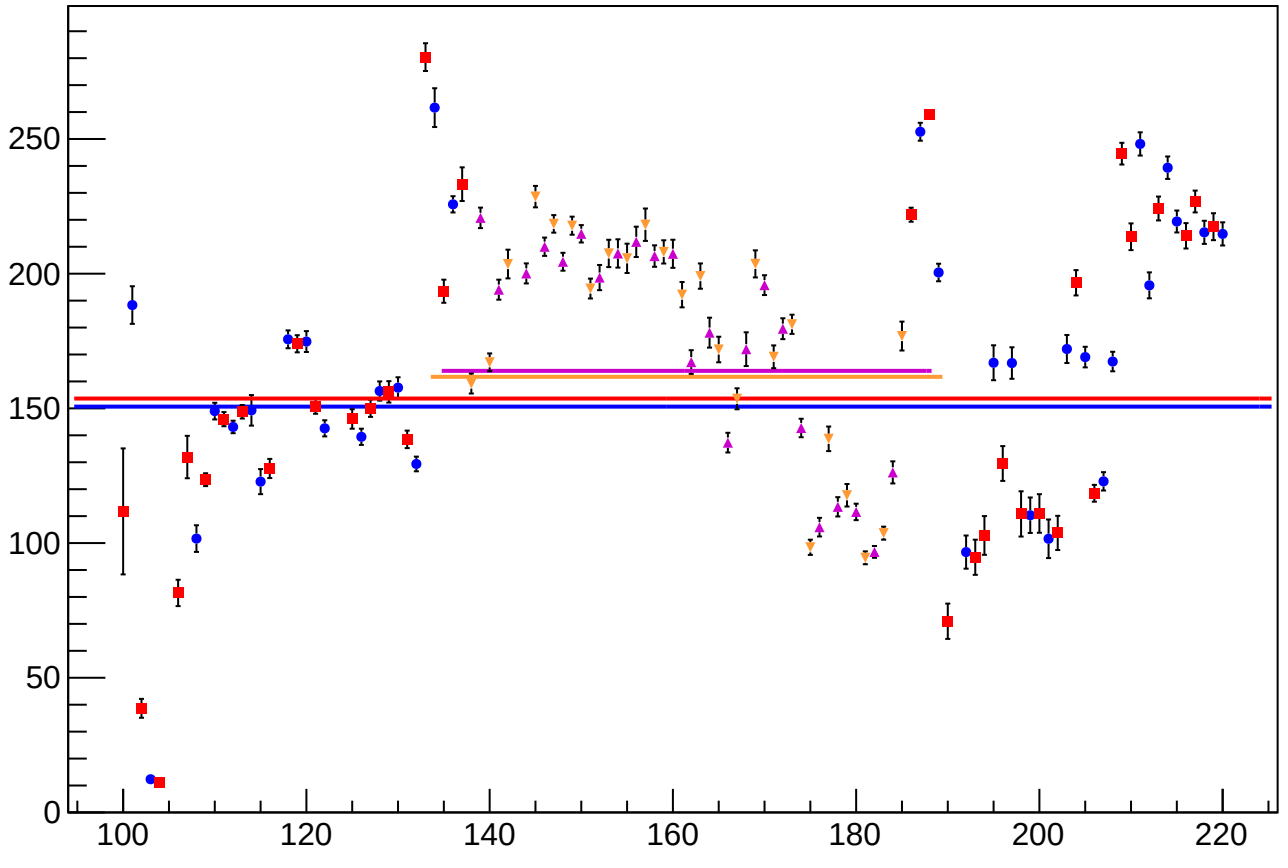
Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

Right: -159.219+/-0.055 χ^2/NDF: 775251.5/67

In: -174.200+/-0.045 χ^2/NDF:463678.0/55

Out: -171.299+/-0.045 χ^2/NDF:646215.2/58

All: -172.744+/-0.032 χ^2/NDF: 1111994.9/11



Right In: 150.652+/-0.643 χ^2/NDF: 10272.2/32

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 153.650+/-0.605 χ^2/NDF: 15039.0/34

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

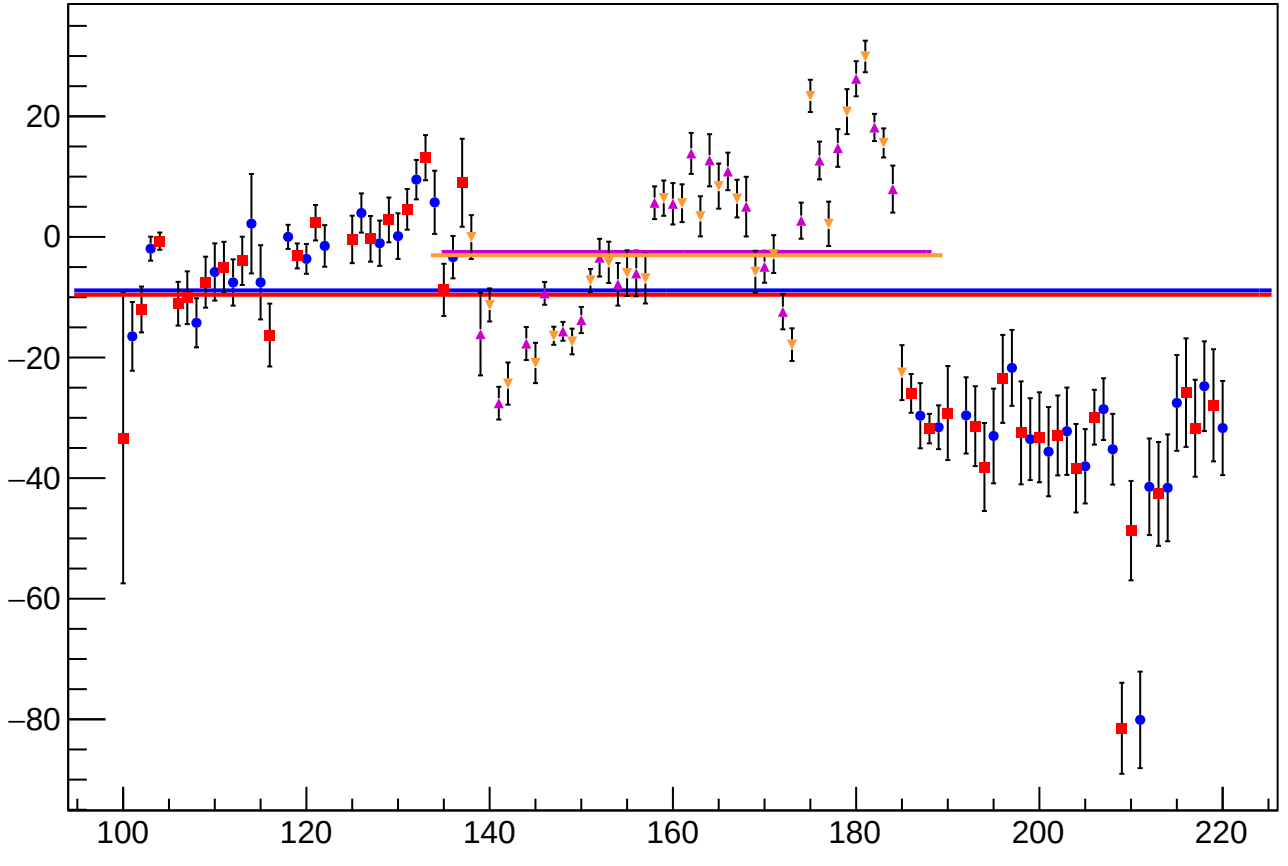
Right: 152.243+/-0.440 χ^2/NDF: 25322.7/67

In: 156.029+/-0.496 χ^2/NDF:13780.4/55

Out: 156.693+/-0.477 χ^2/NDF:18693.4/58

All: 156.374+/-0.344 χ^2/NDF: 32474.7/114

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.868+/-0.732 χ^2/NDF: 414.4/32

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -9.592+/-0.669 χ^2/NDF: 507.4/34

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

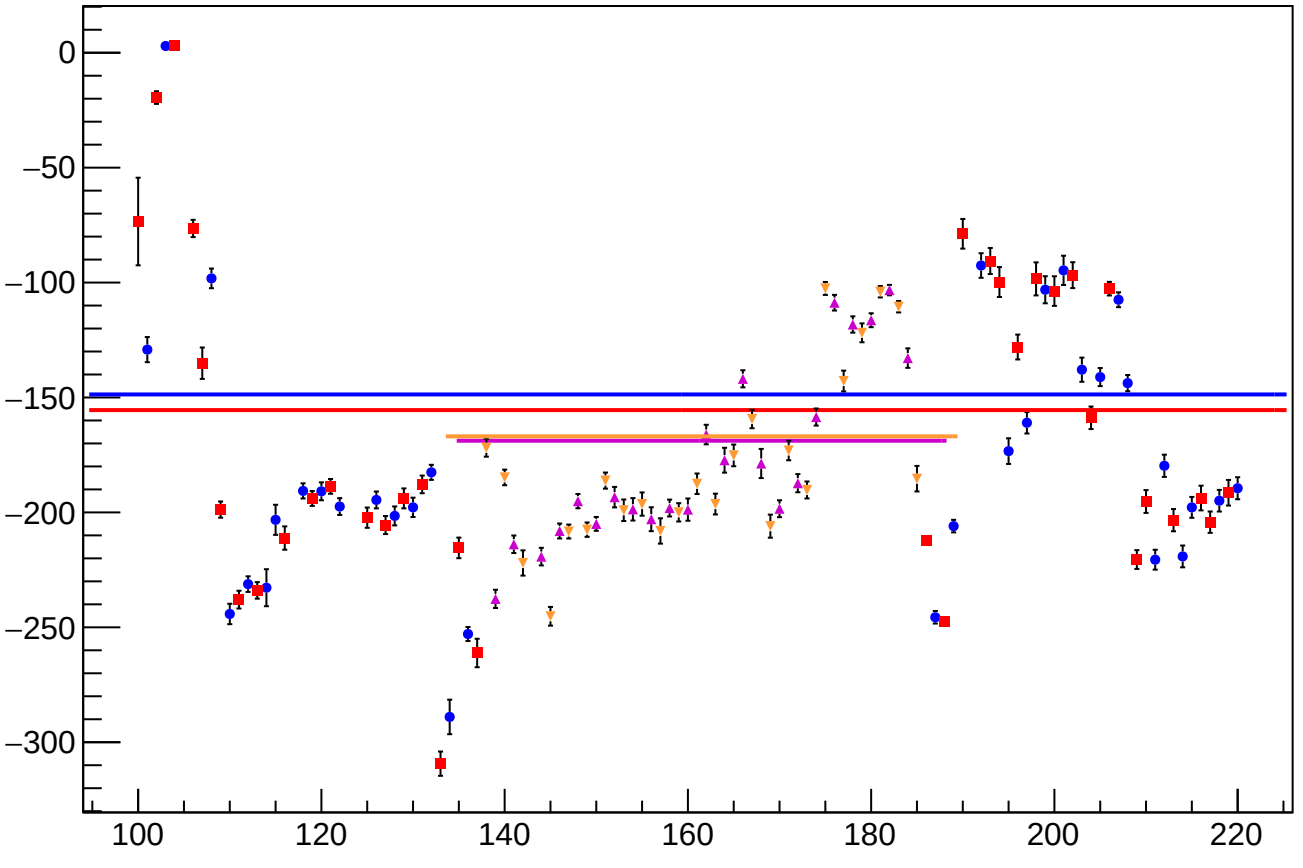
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -9.263+/-0.494 χ^2/NDF: 922.3/67

In: -4.986+/-0.458 χ^2/NDF:1023.4/55

Out: -5.840+/-0.437 χ^2/NDF:1216.8/58

All: -5.433+/-0.316 χ^2/NDF: 2242.1/114



Right In: -148.675+/-0.648 χ^2/NDF: 18166.2/32

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -155.483+/-0.593 χ^2/NDF: 24699.9/34

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

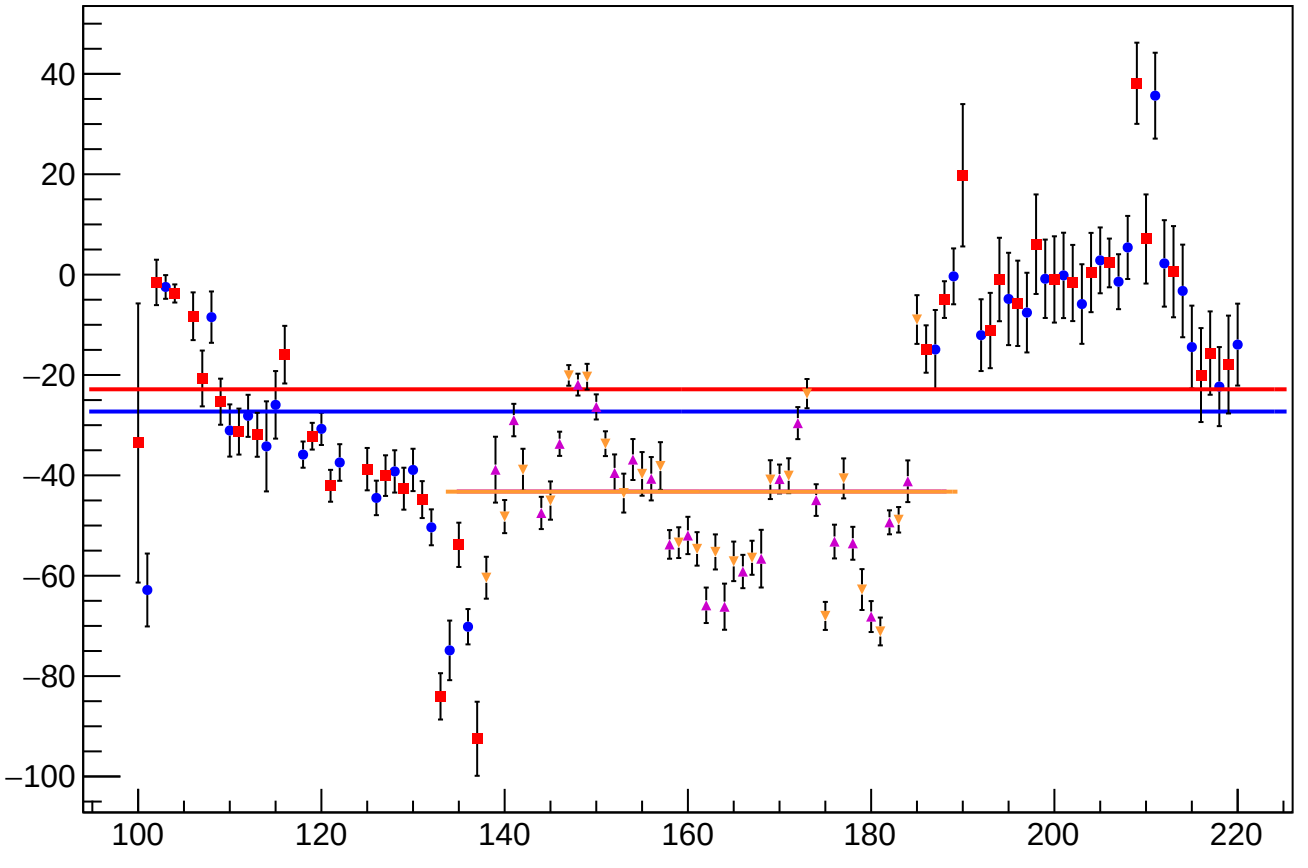
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -152.379+/-0.437 χ^2/NDF: 42926.3/67

In: -156.986+/-0.496 χ^2/NDF:21624.7/55

Out: -159.731+/-0.470 χ^2/NDF:27934.3/58

All: -158.433+/-0.341 χ^2/NDF: 49575.1/114



Right In: -27.283+/-0.852 χ^2/NDF: 683.9/32

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -22.852+/-0.800 χ^2/NDF: 790.2/34

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

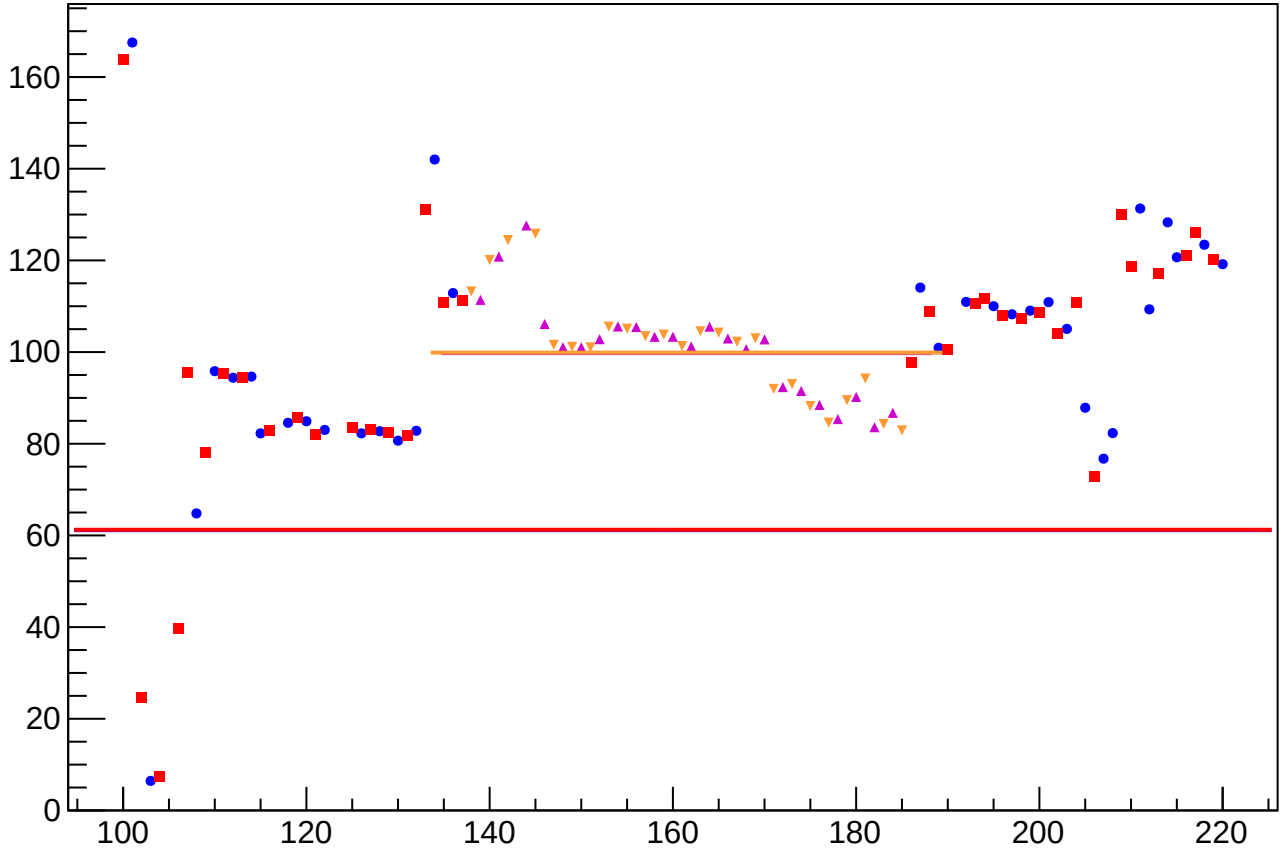
Right: -24.927+/-0.583 χ^2/NDF: 1488.5/67

In: -37.127+/-0.527 χ^2/NDF:1305.5/55

Out: -34.930+/-0.511 χ^2/NDF:1785.3/58

All: -35.995+/-0.367 χ^2/NDF: 3099.7/114

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 61.156+/-0.038 χ^2/NDF: 1622008.2/32

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 61.233+/-0.038 χ^2/NDF: 1402187.5/34

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

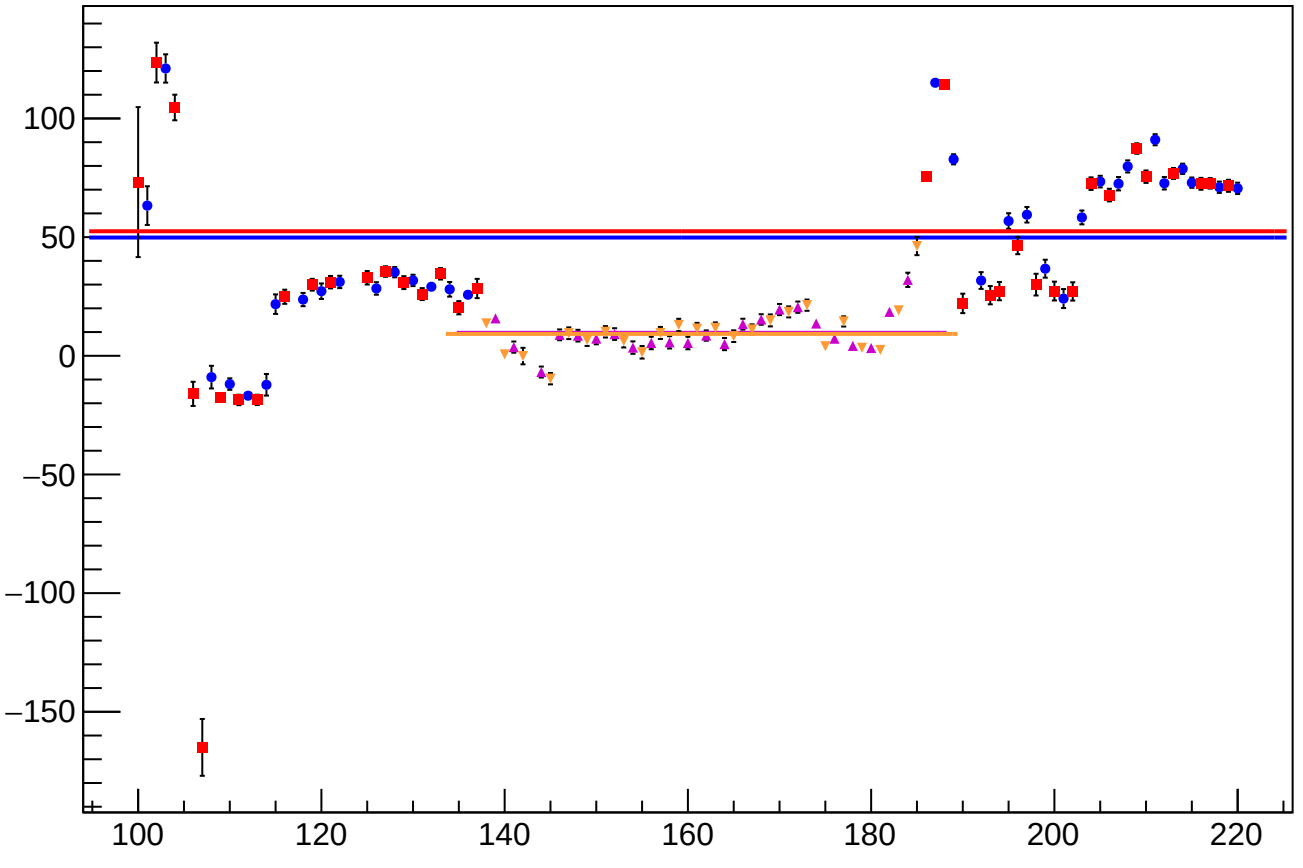
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 61.195+/-0.027 χ^2/NDF: 3024197.7/67

In: 84.597+/-0.024 χ^2/NDF:2363123.9/55

Out: 84.491+/-0.024 χ^2/NDF:2154081.9/58

All: 84.544+/-0.017 χ^2/NDF: 4517215.6/114



Right In: 49.831+/-0.464 χ^2/NDF: 5463.3/32

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 52.472+/-0.436 χ^2/NDF: 8800.1/34

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

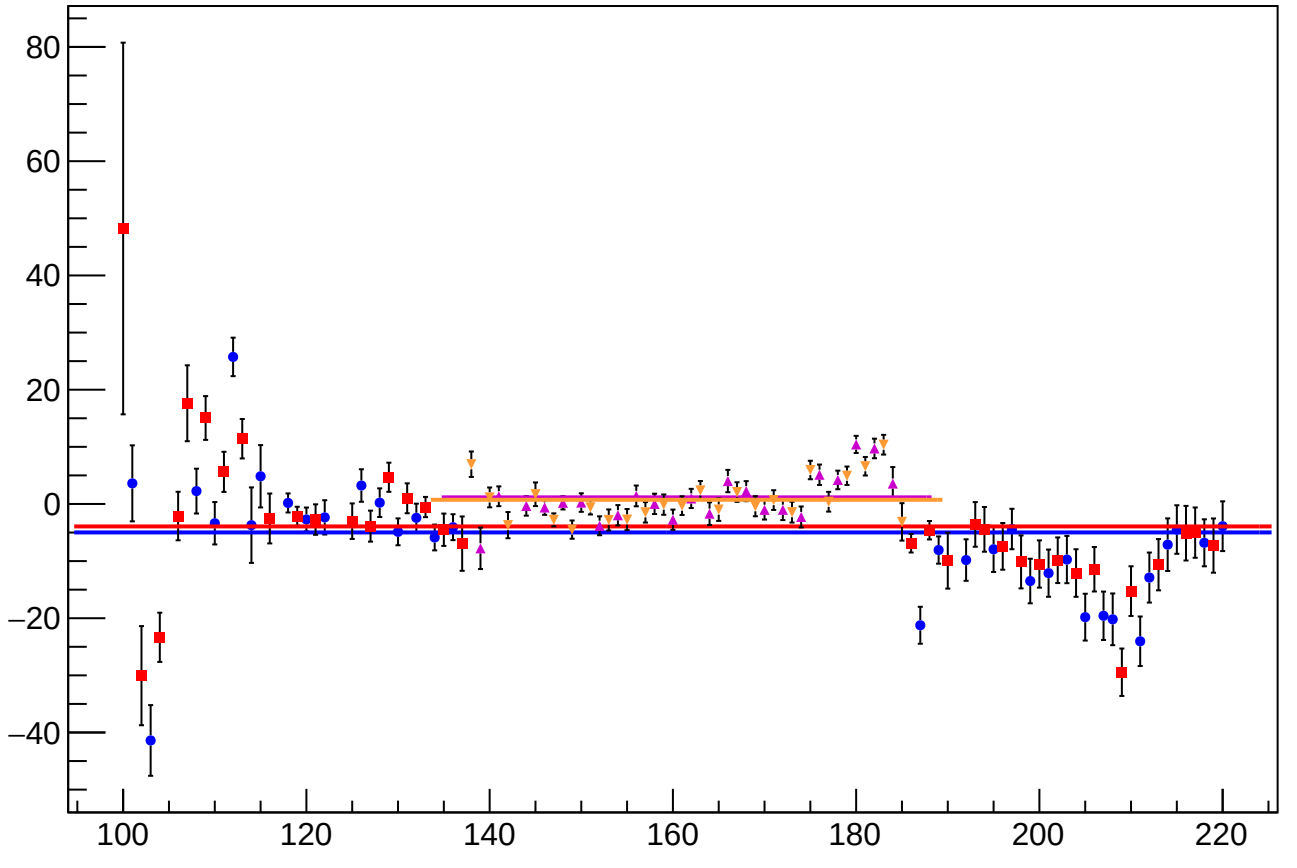
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 51.231+/-0.318 χ^2/NDF: 14280.6/67

In: 29.704+/-0.327 χ^2/NDF:9471.8/55

Out: 31.819+/-0.315 χ^2/NDF:13816.8/58

All: 30.800+/-0.227 χ^2/NDF: 23310.3/114



Right In: -4.983+/-0.559 χ^2/NDF: 249.5/32

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.932+/-0.531 χ^2/NDF: 182.2/34

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

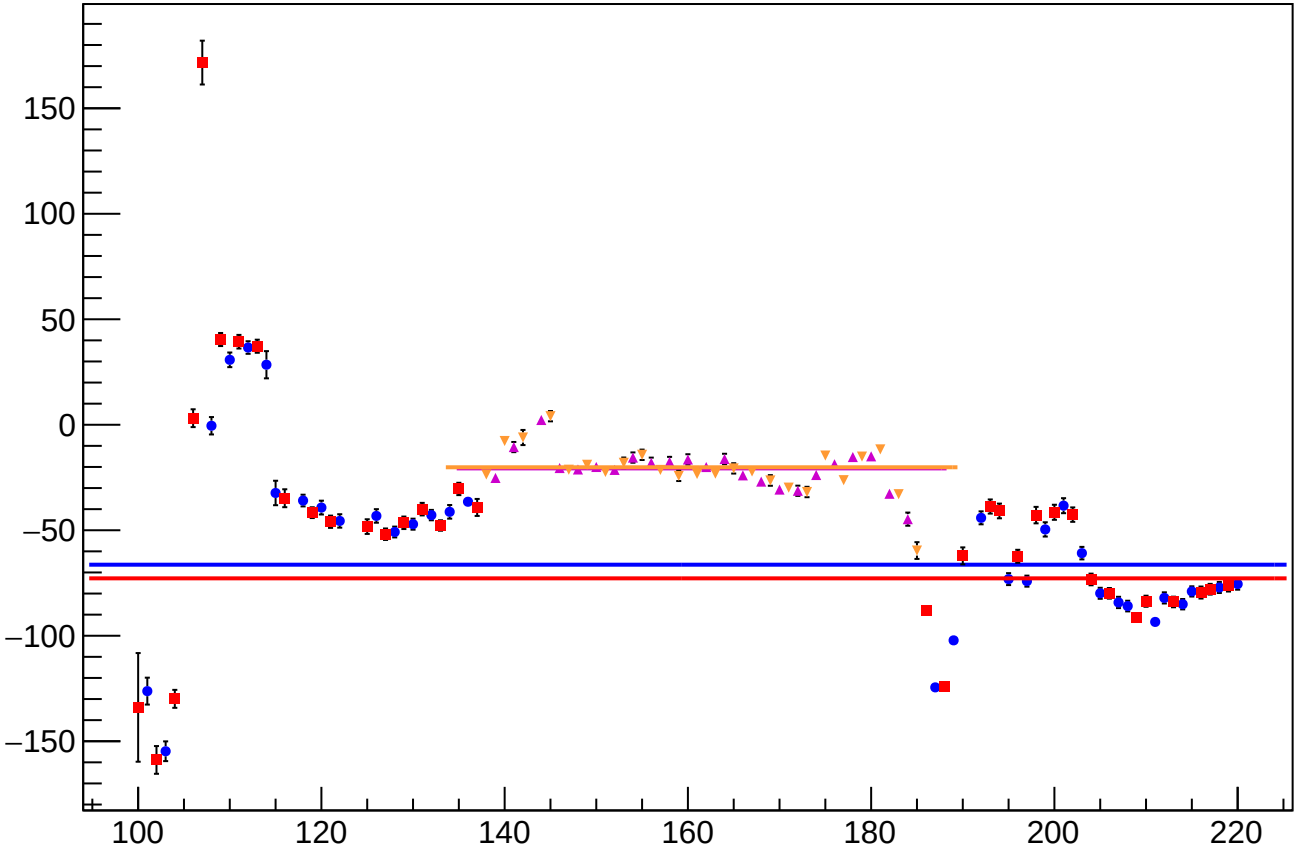
Right: -4.430+/-0.385 χ^2/NDF: 433.6/67

In: -0.627+/-0.301 χ^2/NDF:445.6/55

Out: -0.681+/-0.292 χ^2/NDF:345.8/58

All: -0.655+/-0.210 χ^2/NDF: 791.4/114

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.325+/-0.479 χ^2/NDF: 5934.3/32

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -72.797+/-0.432 χ^2/NDF: 9793.7/34

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

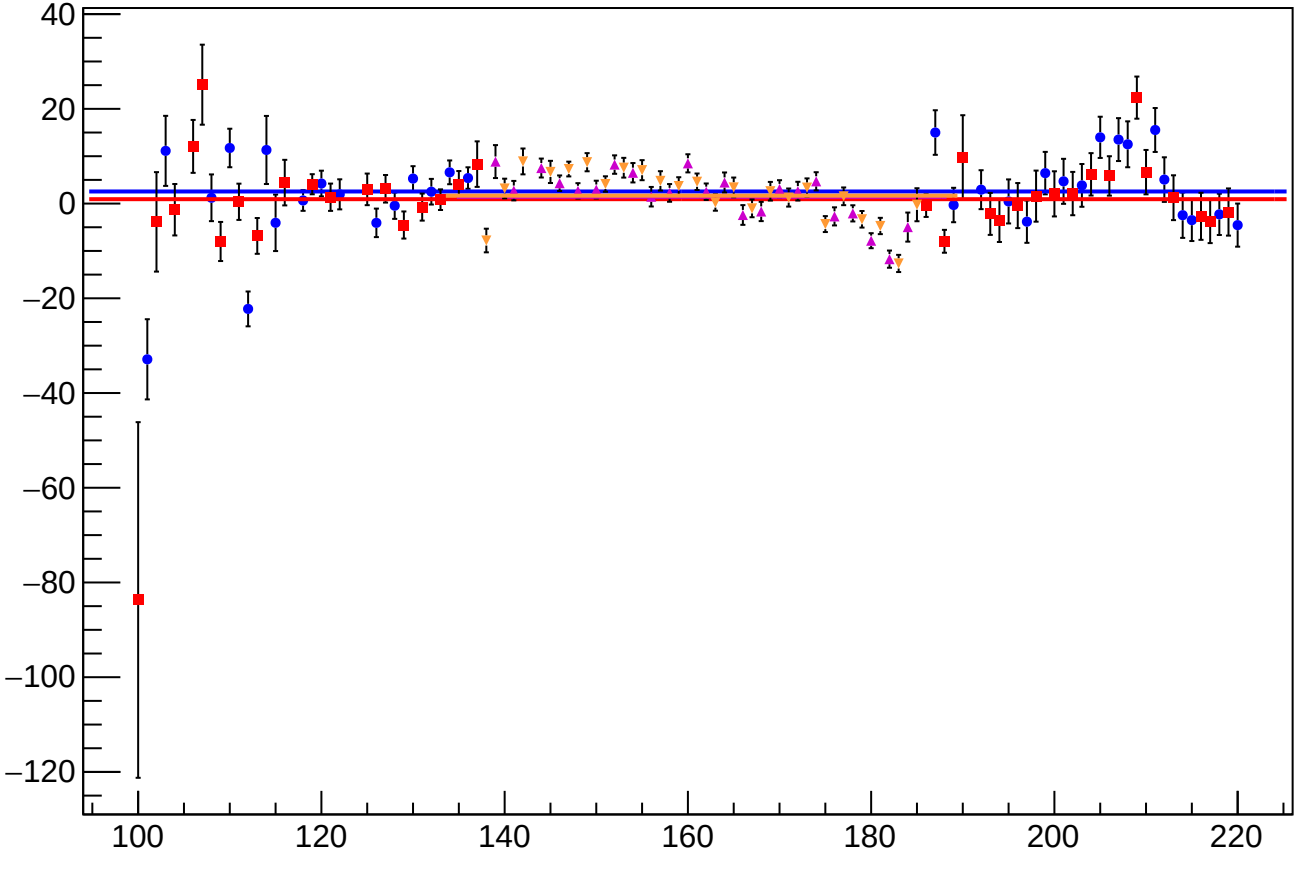
Right: -69.896+/-0.321 χ^2/NDF: 15828.6/67

In: -42.451+/-0.331 χ^2/NDF:10989.0/55

Out: -47.698+/-0.312 χ^2/NDF:17298.7/58

All: -45.226+/-0.227 χ^2/NDF: 28420.5/114

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.554+/-0.642 χ^2/NDF: 127.3/32

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.928+/-0.631 χ^2/NDF: 83.8/34

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

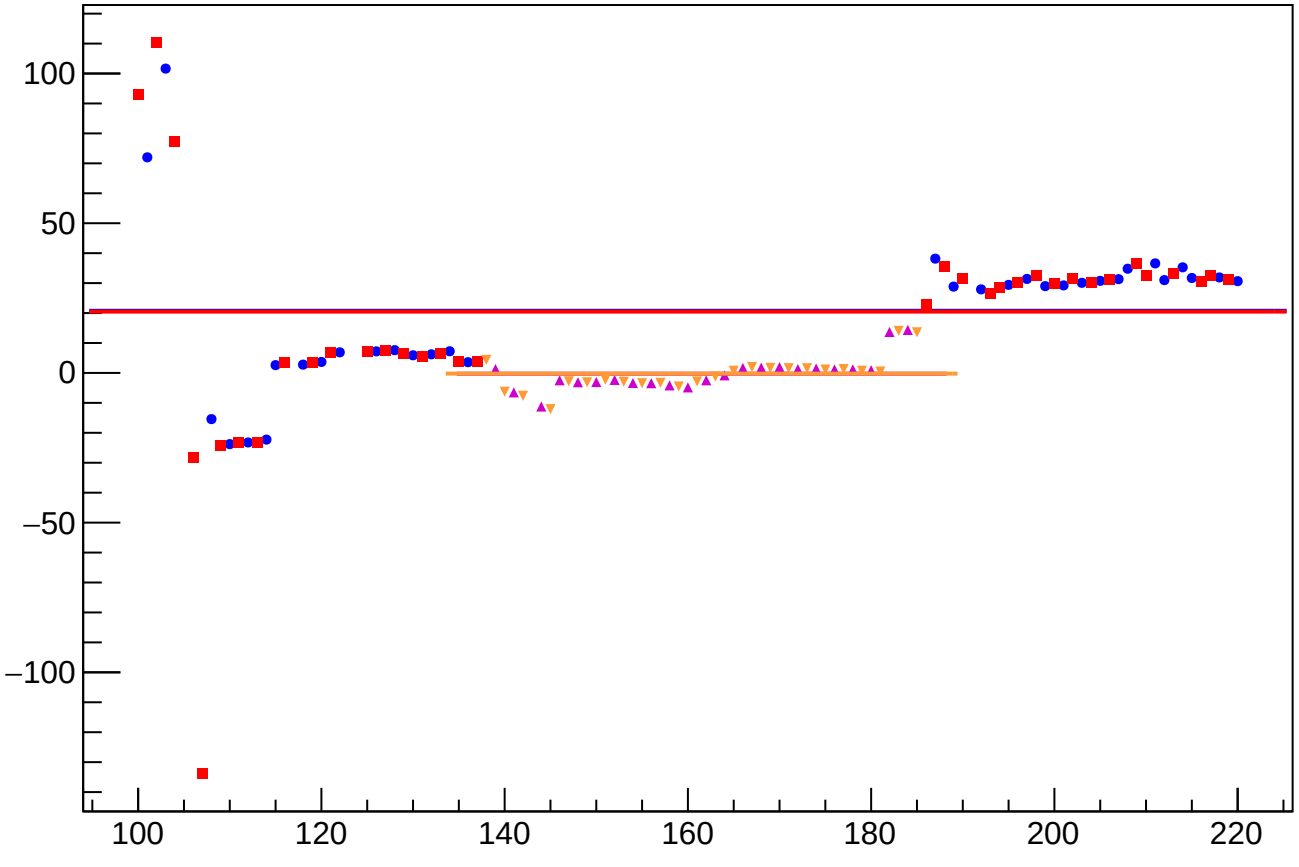
Right: 1.727+/-0.450 χ^2/NDF: 214.3/67

In: 1.746+/-0.341 χ^2/NDF:292.3/55

Out: 1.462+/-0.335 χ^2/NDF:262.7/58

All: 1.601+/-0.239 χ^2/NDF: 555.3/114

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 20.752+/-0.032 χ^2/NDF: 438299.3/32

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 20.484+/-0.032 χ^2/NDF: 607212.3/34

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

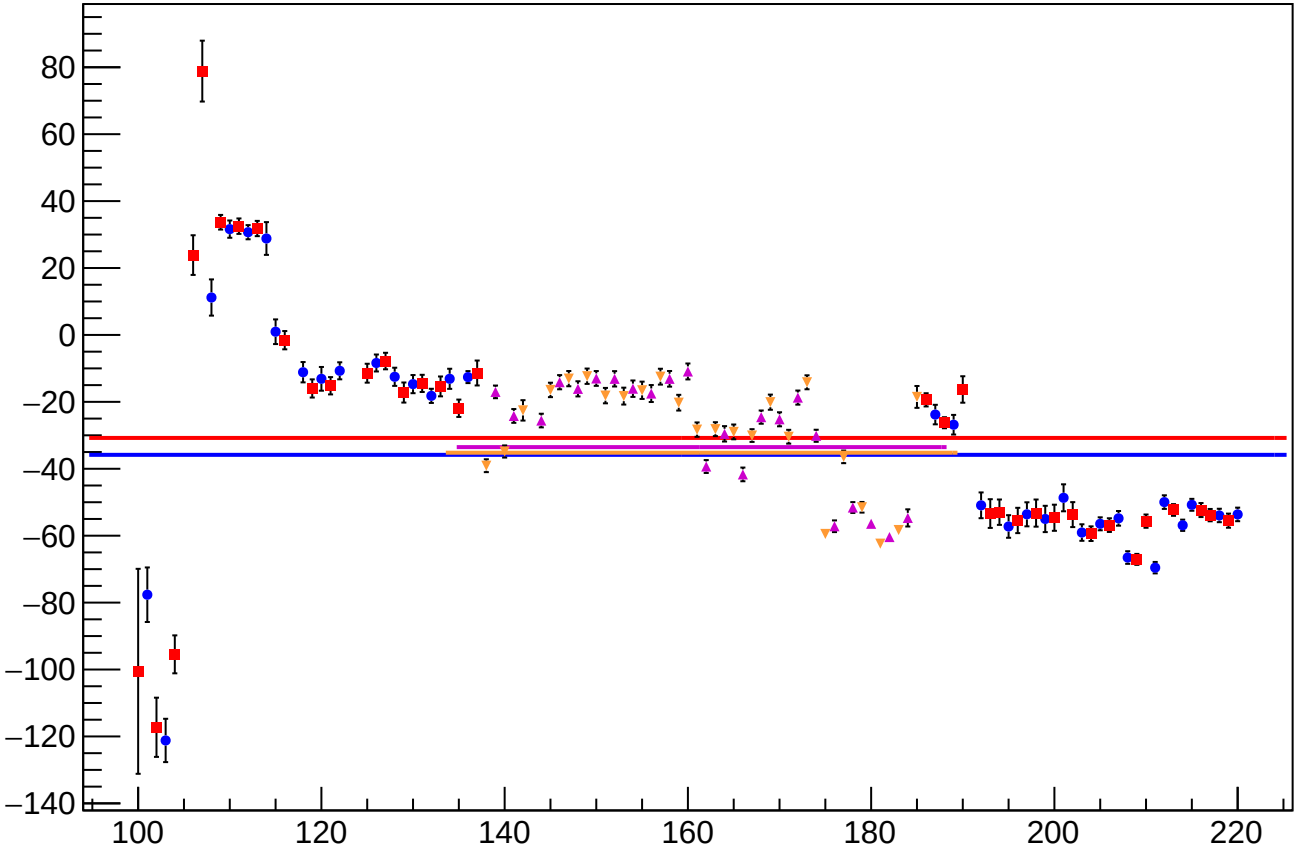
Right: 20.619+/-0.023 χ^2/NDF: 1045546.1/67

In: 4.639+/-0.016 χ^2/NDF:839065.3/55

Out: 4.523+/-0.015 χ^2/NDF:1004640.0/58

All: 4.581+/-0.011 χ^2/NDF: 1843733.3/114

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -35.836+/-0.437 χ^2/NDF: 4472.4/32

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -30.782+/-0.438 χ^2/NDF: 5069.7/34

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

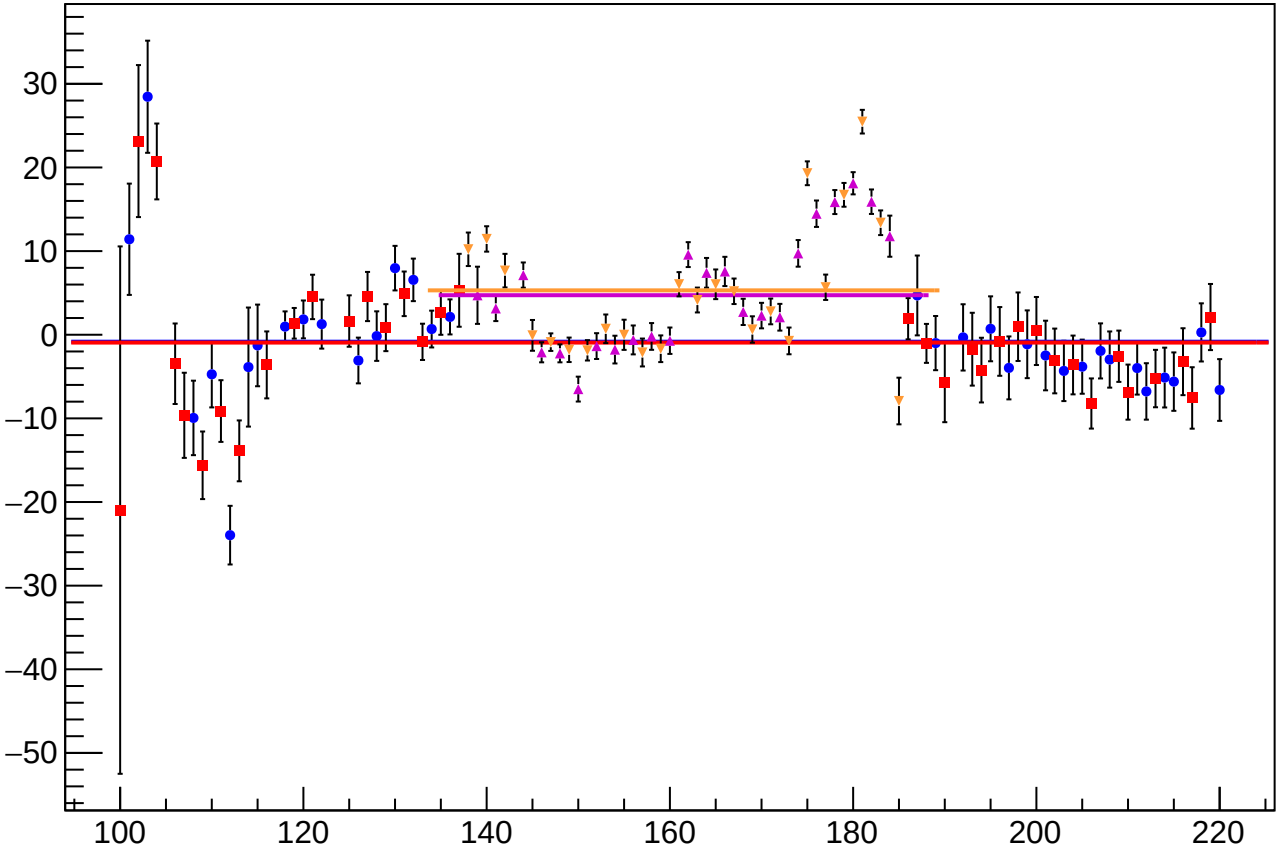
Right: -33.315+/-0.310 χ^2/NDF: 9608.8/67

In: -34.618+/-0.301 χ^2/NDF:6293.3/55

Out: -33.148+/-0.299 χ^2/NDF:6974.9/58

All: -33.879+/-0.212 χ^2/NDF: 13280.2/114

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.831+/-0.558 χ^2/NDF: 111.4/32

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.936+/-0.560 χ^2/NDF: 103.3/34

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

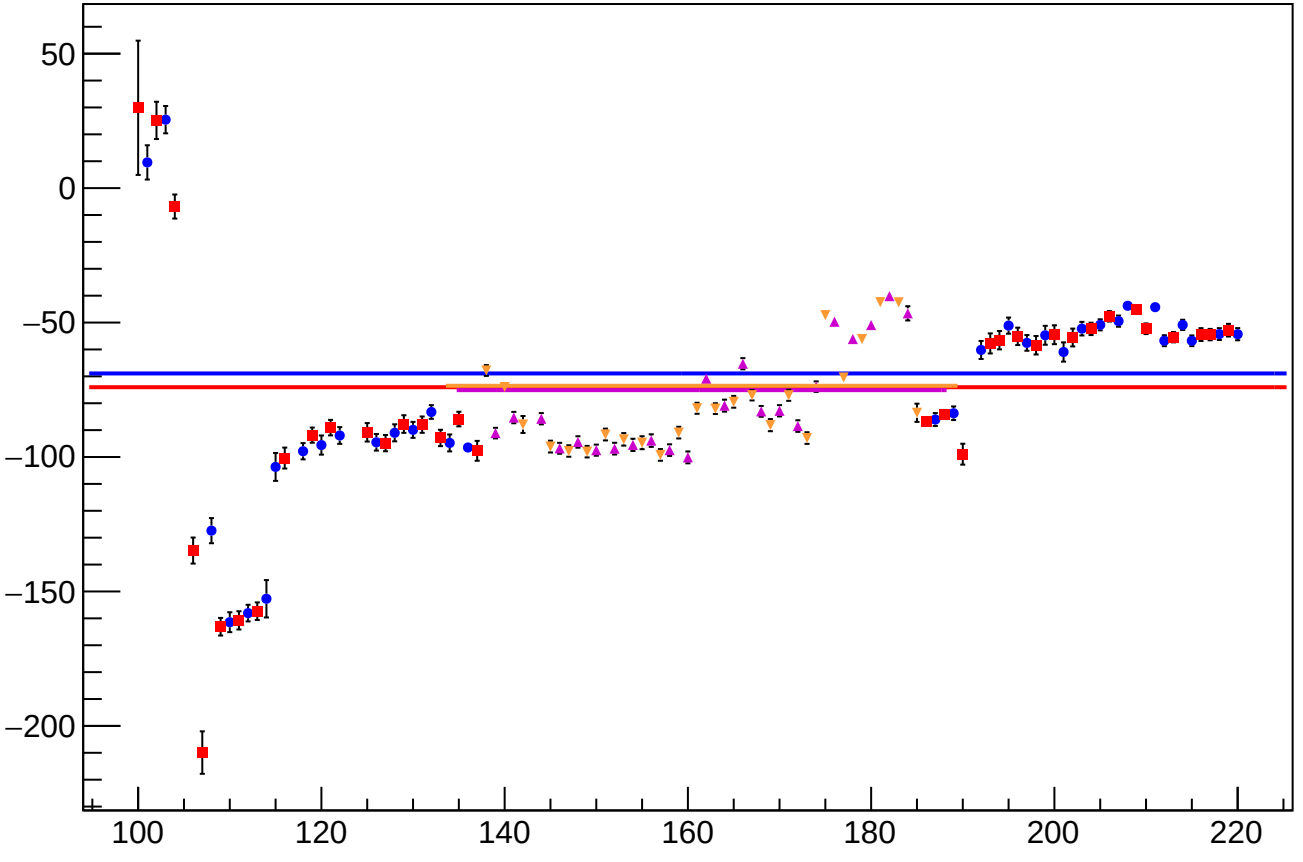
Right: -0.884+/-0.395 χ^2/NDF: 214.7/67

In: 3.345+/-0.278 χ^2/NDF:681.8/55

Out: 3.806+/-0.274 χ^2/NDF:822.1/58

All: 3.579+/-0.195 χ^2/NDF: 1505.3/114

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.921+/-0.460 χ^2/NDF: 4001.6/32

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -74.042+/-0.452 χ^2/NDF: 4612.4/34

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

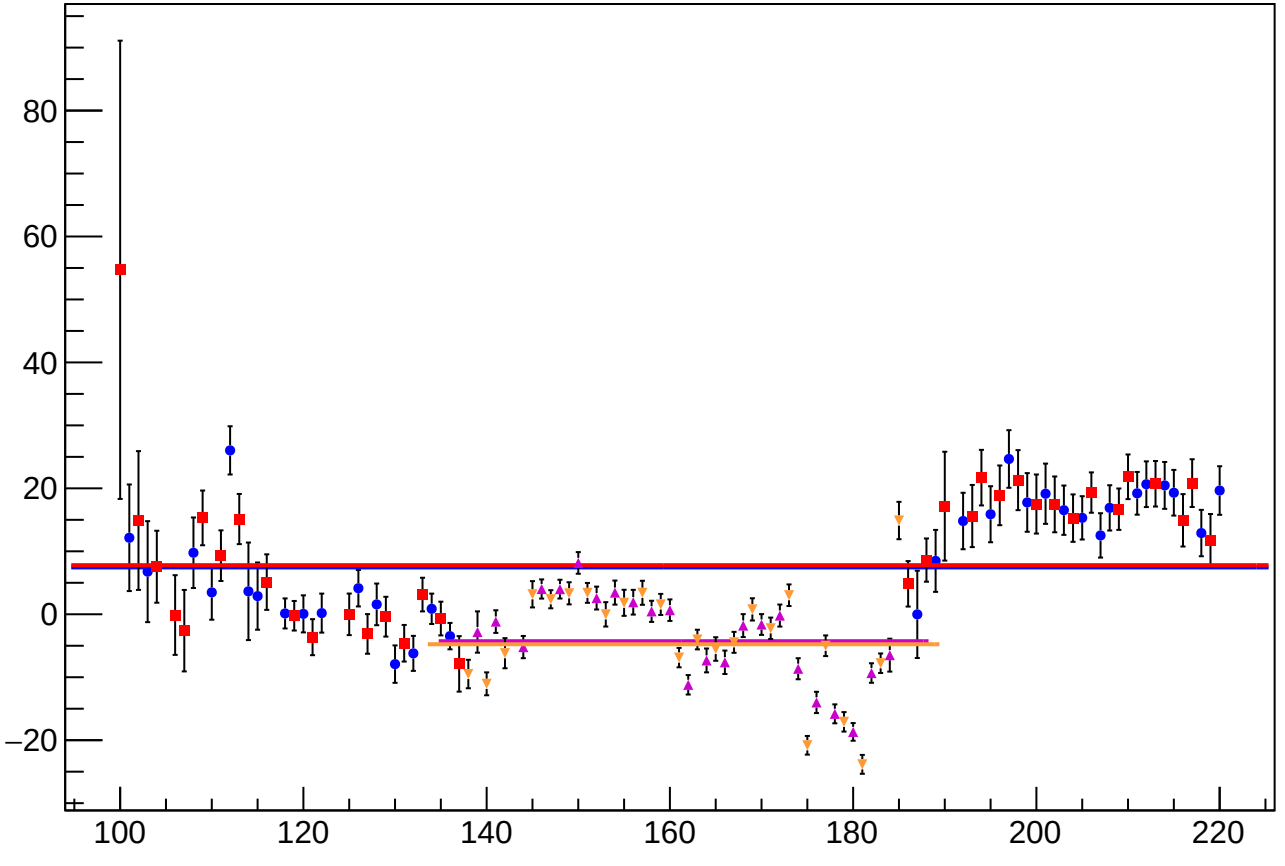
Right: -71.522+/-0.322 χ^2/NDF: 8677.1/67

In: -72.380+/-0.306 χ^2/NDF:6465.3/55

Out: -73.745+/-0.302 χ^2/NDF:7005.2/58

All: -73.071+/-0.215 χ^2/NDF: 13480.5/114

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 7.443+/-0.627 χ^2/NDF: 249.4/32

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 7.797+/-0.643 χ^2/NDF: 214.2/34

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

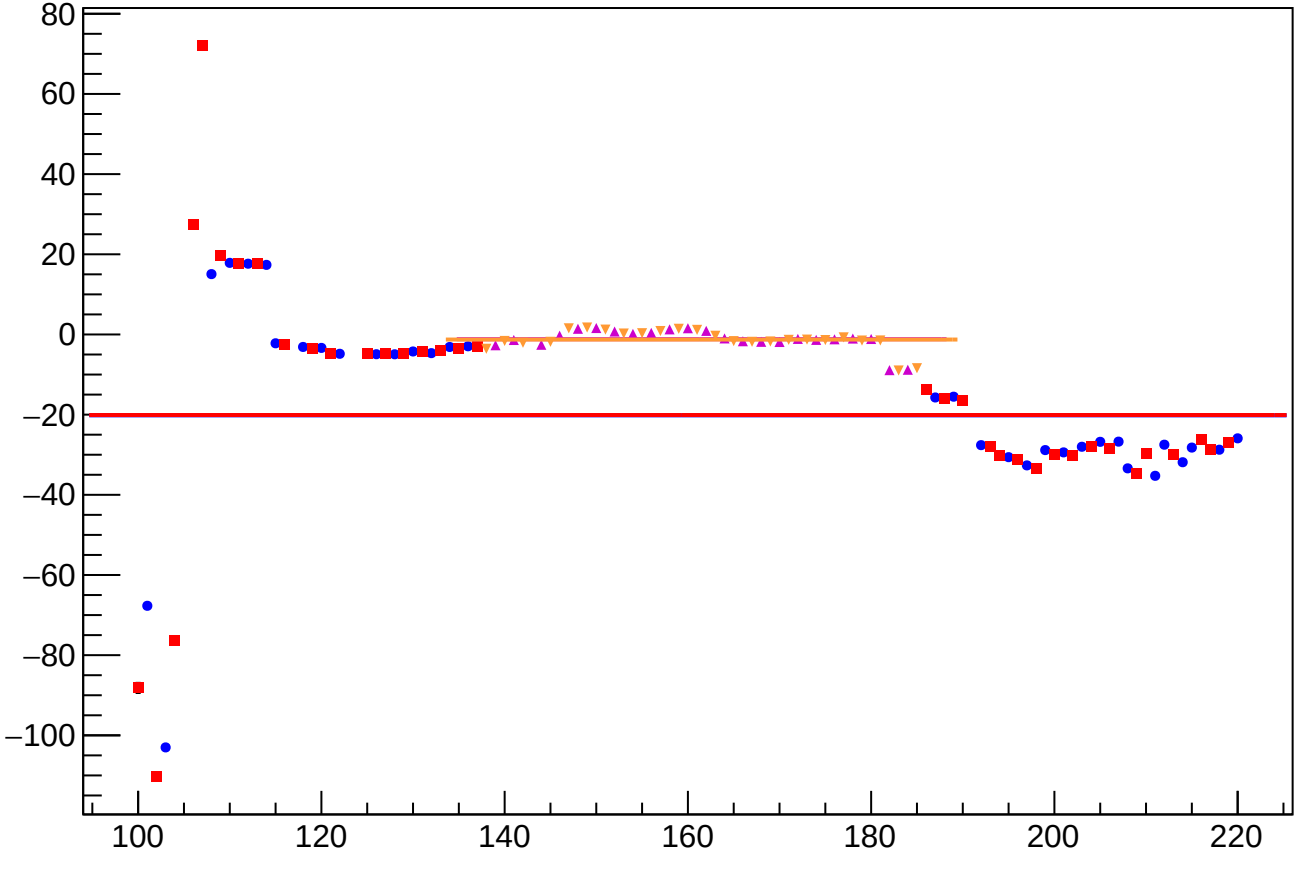
Right: 7.616+/-0.449 χ^2/NDF: 463.8/67

In: -1.363+/-0.313 χ^2/NDF:935.9/55

Out: -1.832+/-0.311 χ^2/NDF:1083.5/58

All: -1.599+/-0.220 χ^2/NDF: 2020.5/114

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.175+/-0.031 χ^2/NDF: 398633.4/32

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -20.099+/-0.032 χ^2/NDF: 484147.6/34

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

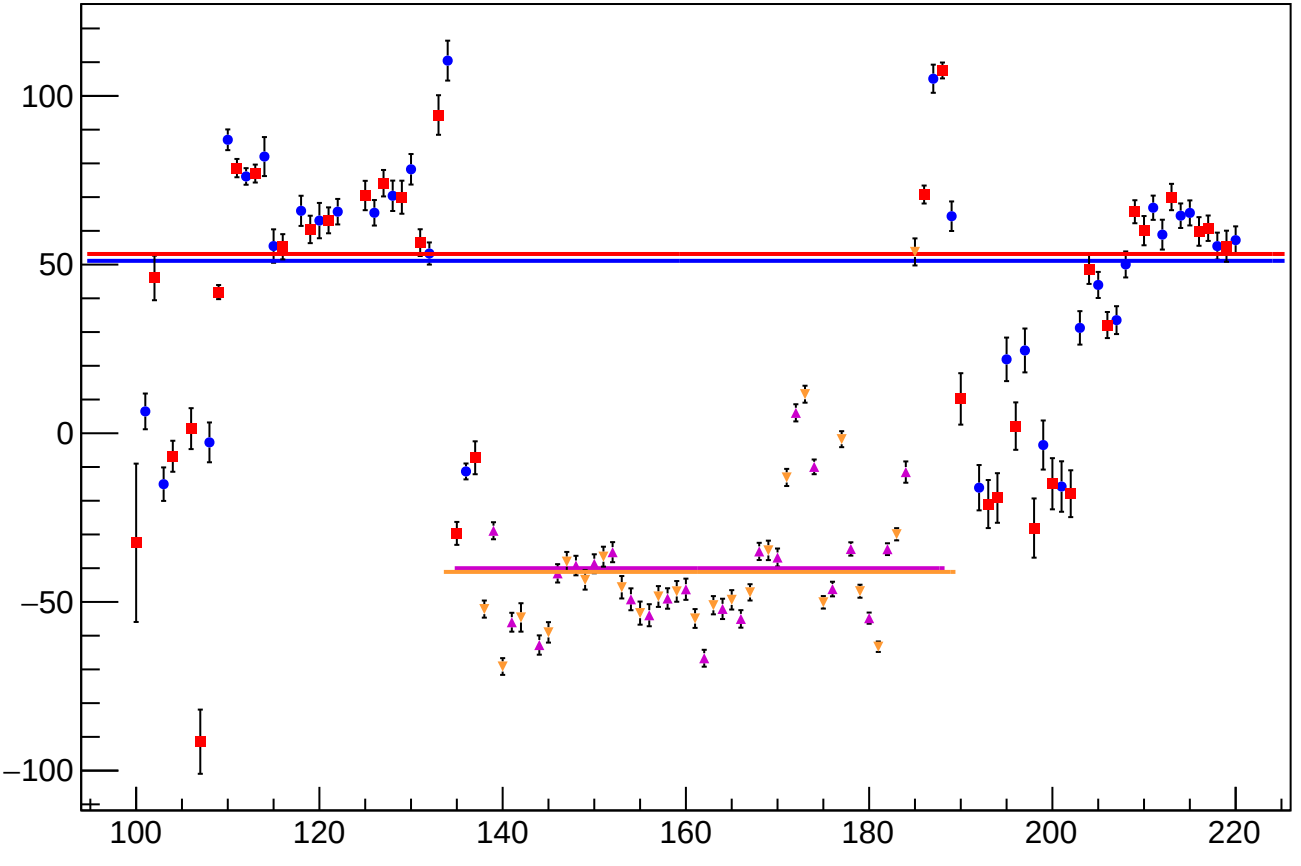
Right: -20.138+/-0.022 χ^2/NDF: 882784.0/67

In: -5.249+/-0.014 χ^2/NDF:727010.1/55

Out: -5.066+/-0.014 χ^2/NDF:793465.3/58

All: -5.157+/-0.010 χ^2/NDF: 1520559.0/114

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 51.112+/-0.721 χ^2/NDF: 2045.7/32

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 53.148+/-0.683 χ^2/NDF: 2760.2/34

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

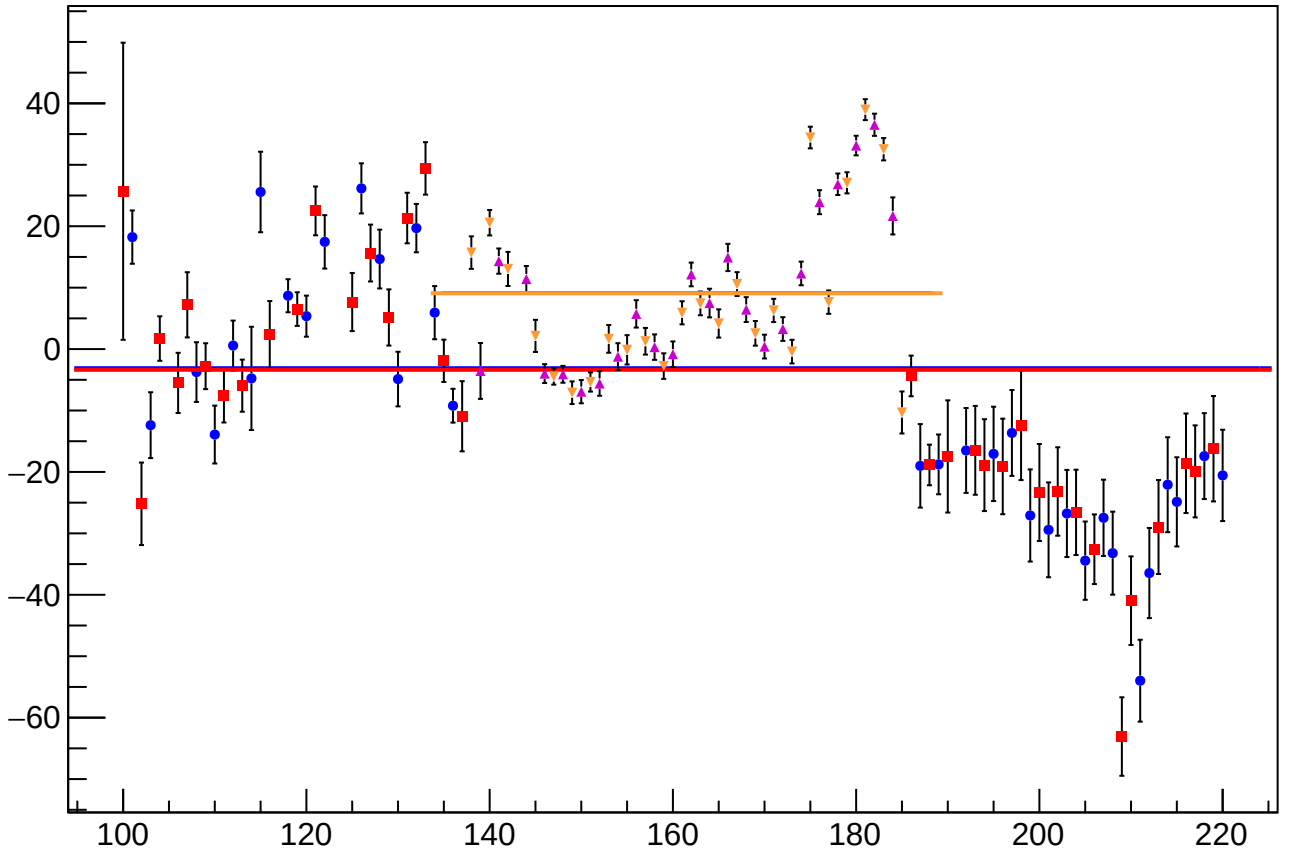
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 52.185+/-0.496 χ^2/NDF: 4810.2/67

In: -8.506+/-0.424 χ^2/NDF:13517.0/55

Out: -6.758+/-0.412 χ^2/NDF:16799.6/58

All: -7.607+/-0.296 χ^2/NDF: 30325.3/114



Right In: -3.115+/-0.869 χ^2/NDF: 430.1/32

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -3.370+/-0.842 χ^2/NDF: 423.9/34

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

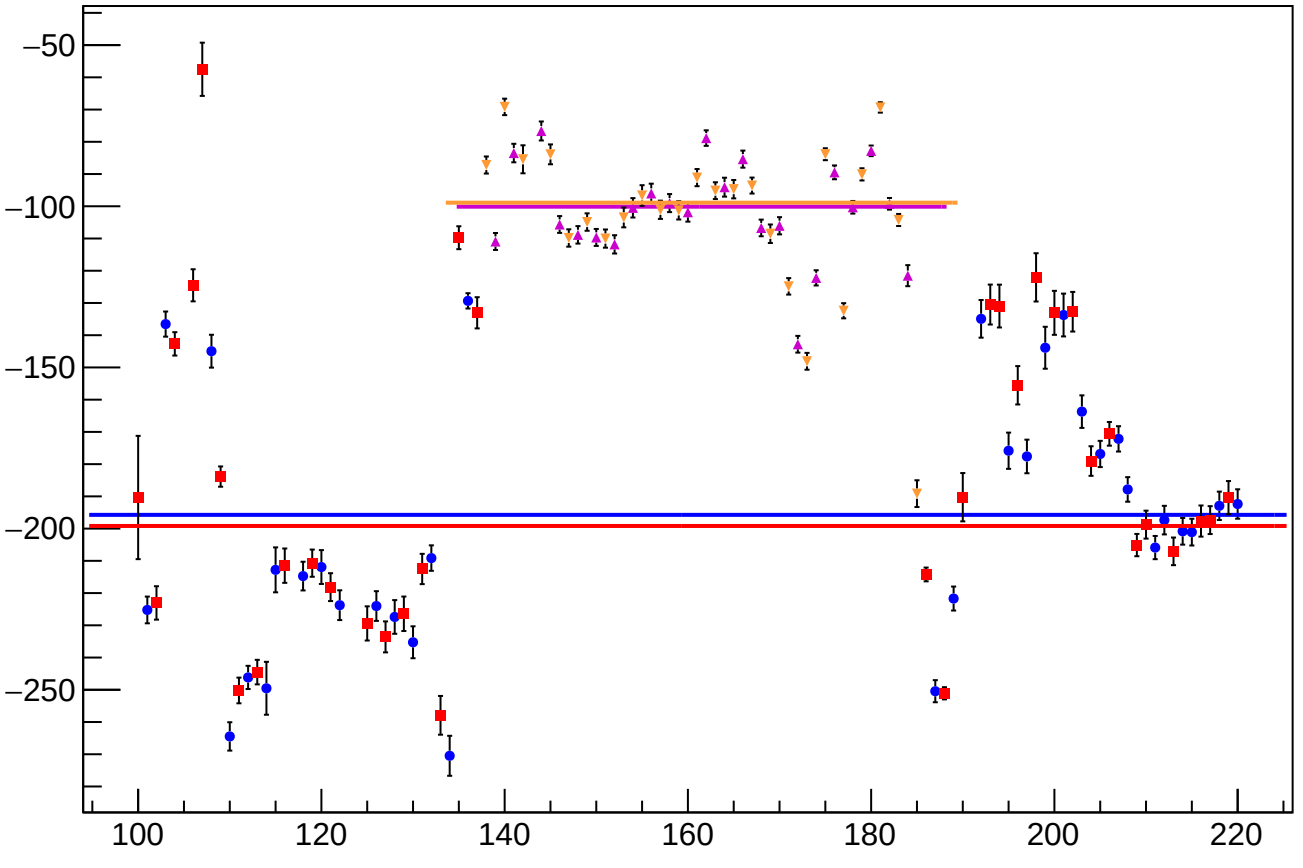
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: -3.247+/-0.605 χ^2/NDF: 854.0/67

In: 6.904+/-0.370 χ^2/NDF:1644.1/55

Out: 6.785+/-0.362 χ^2/NDF:1856.3/58

All: 6.843+/-0.259 χ^2/NDF: 3500.5/114



Right In: -195.734+/-0.760 χ^2/NDF: 2710.8/32

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -199.181+/-0.714 χ^2/NDF: 3667.2/34

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

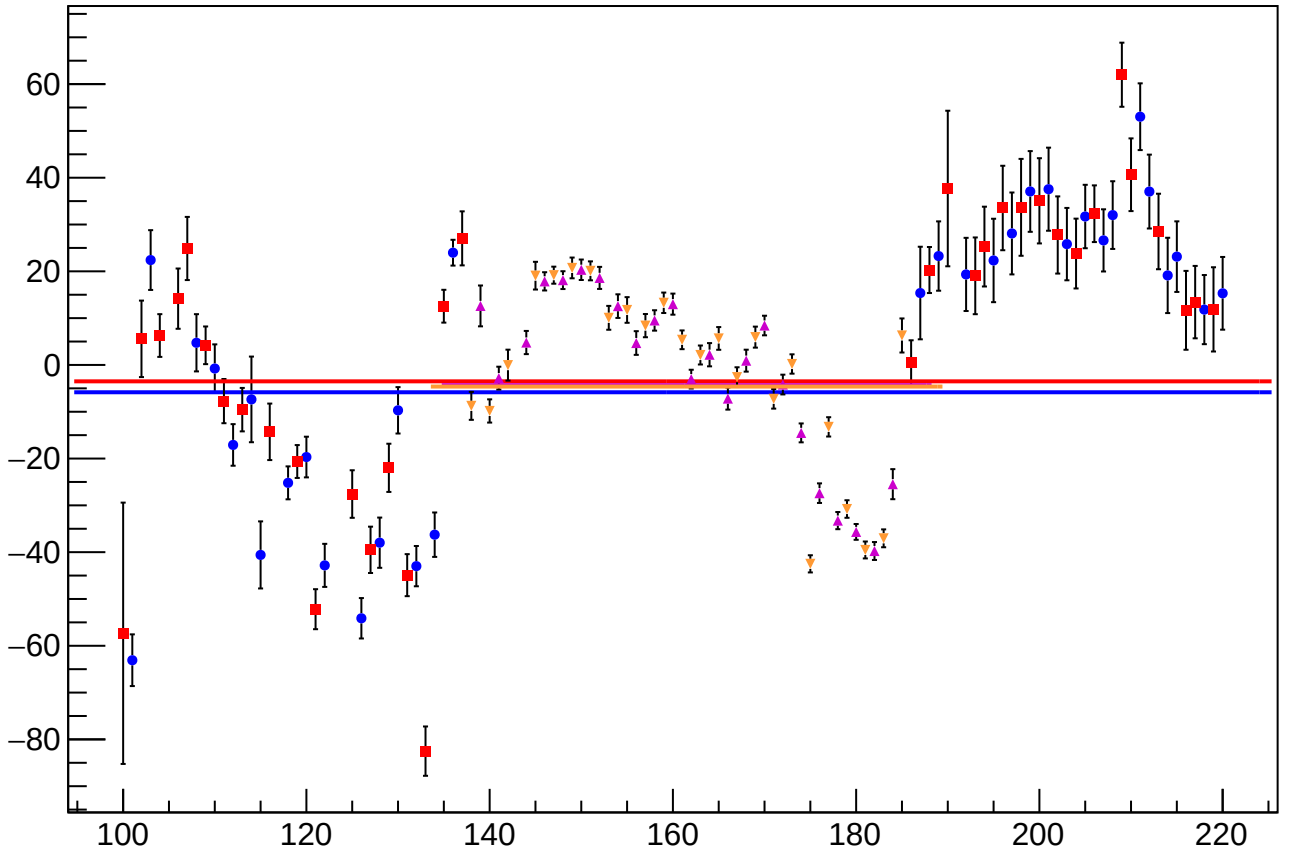
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -197.566+/-0.520 χ^2/NDF: 6388.9/67

In: -130.615+/-0.429 χ^2/NDF:14310.5/55

Out: -133.146+/-0.417 χ^2/NDF:18491.9/58

All: -131.916+/-0.299 χ^2/NDF: 32820.2/114



Right In: -5.837+/-0.988 χ^2/NDF: 998.4/32

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -3.504+/-0.977 χ^2/NDF: 954.9/34

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

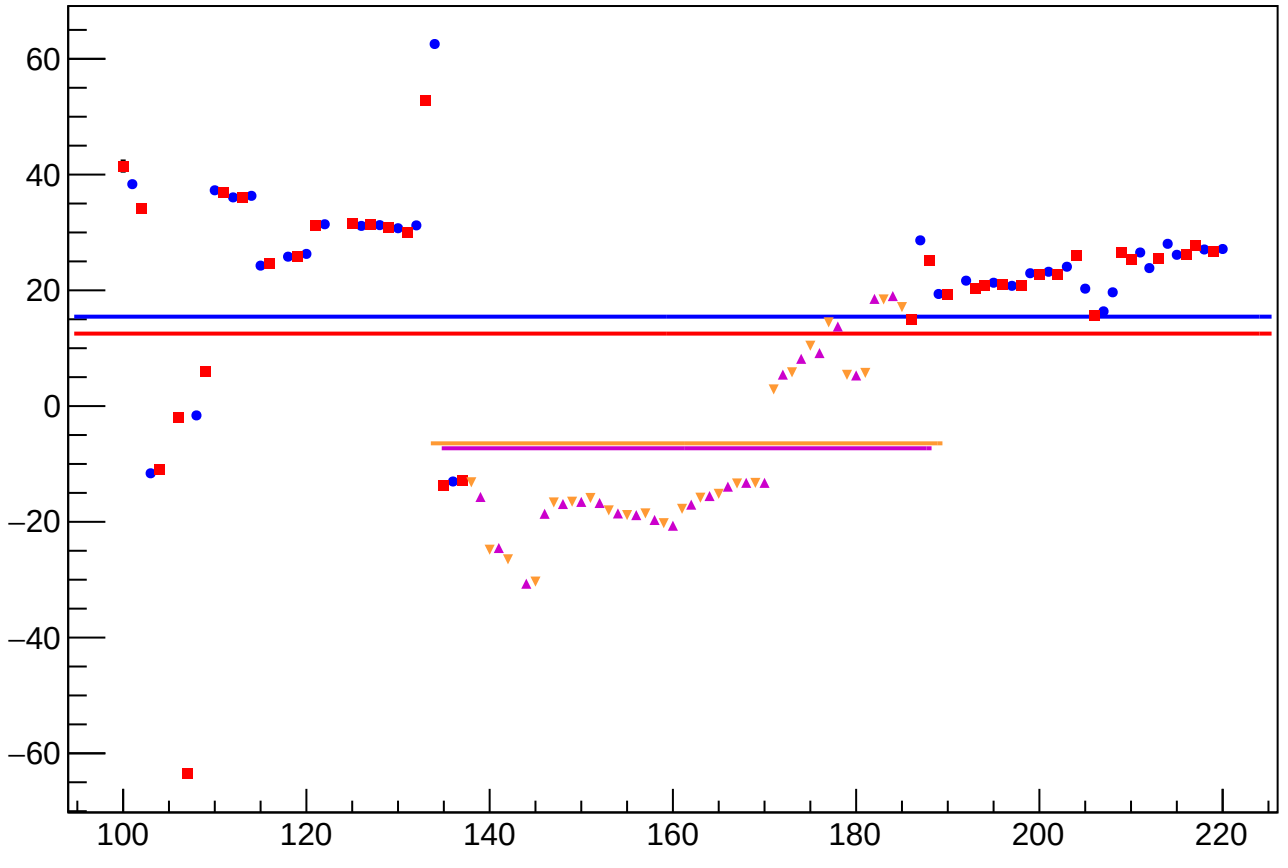
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -4.658+/-0.695 χ^2/NDF: 1956.1/67

In: -4.596+/-0.416 χ^2/NDF:2854.5/55

Out: -4.422+/-0.410 χ^2/NDF:3034.2/58

All: -4.508+/-0.292 χ^2/NDF: 5888.8/114



Right In: 15.452+/-0.048 χ^2/NDF: 180495.2/32

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 12.523+/-0.048 χ^2/NDF: 185403.4/34

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

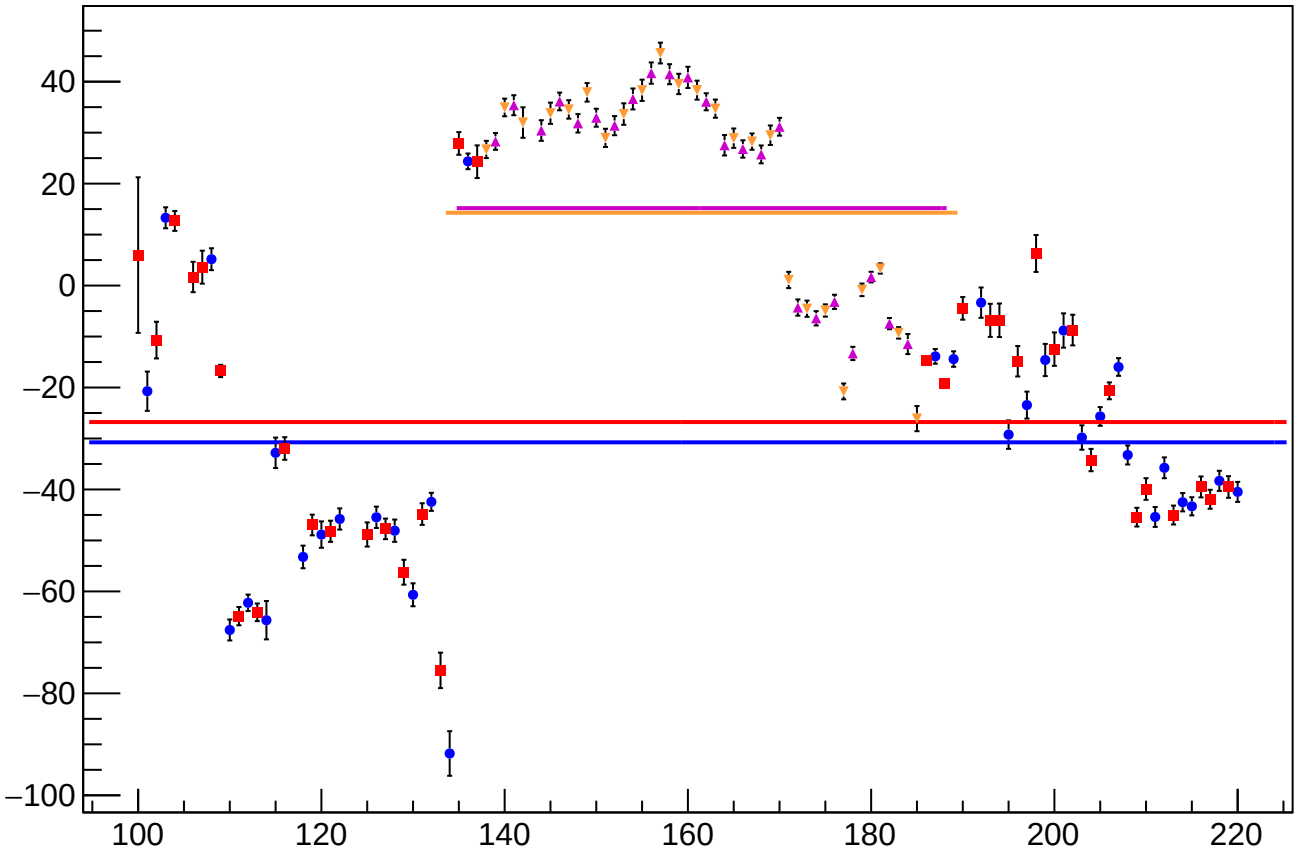
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 13.988+/-0.034 χ^2/NDF: 367729.7/67

In: -3.887+/-0.019 χ^2/NDF:856683.7/55

Out: -3.626+/-0.019 χ^2/NDF:812824.3/58

All: -3.756+/-0.013 χ^2/NDF: 1669605.2/114



Right In: -30.753+/-0.364 χ^2/NDF: 4232.4/32

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -26.775+/-0.329 χ^2/NDF: 4254.7/34

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

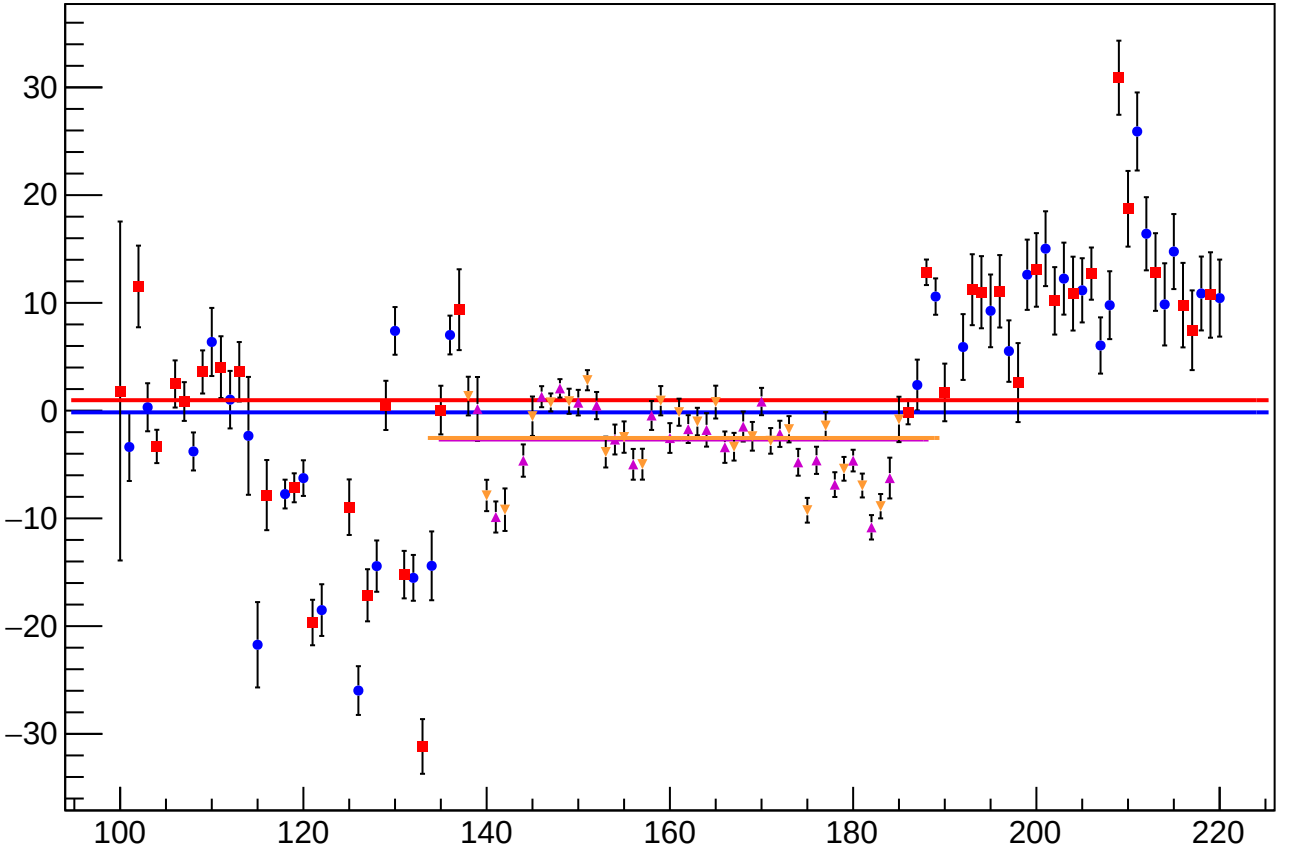
Right: -28.566+/-0.244 χ^2/NDF: 8552.8/67

In: -6.182+/-0.248 χ^2/NDF:16164.3/55

Out: -6.596+/-0.235 χ^2/NDF:15617.2/58

All: -6.400+/-0.171 χ^2/NDF: 31783.0/114

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.160+/-0.438 χ^2/NDF: 665.5/32

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.968+/-0.396 χ^2/NDF: 758.3/34

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

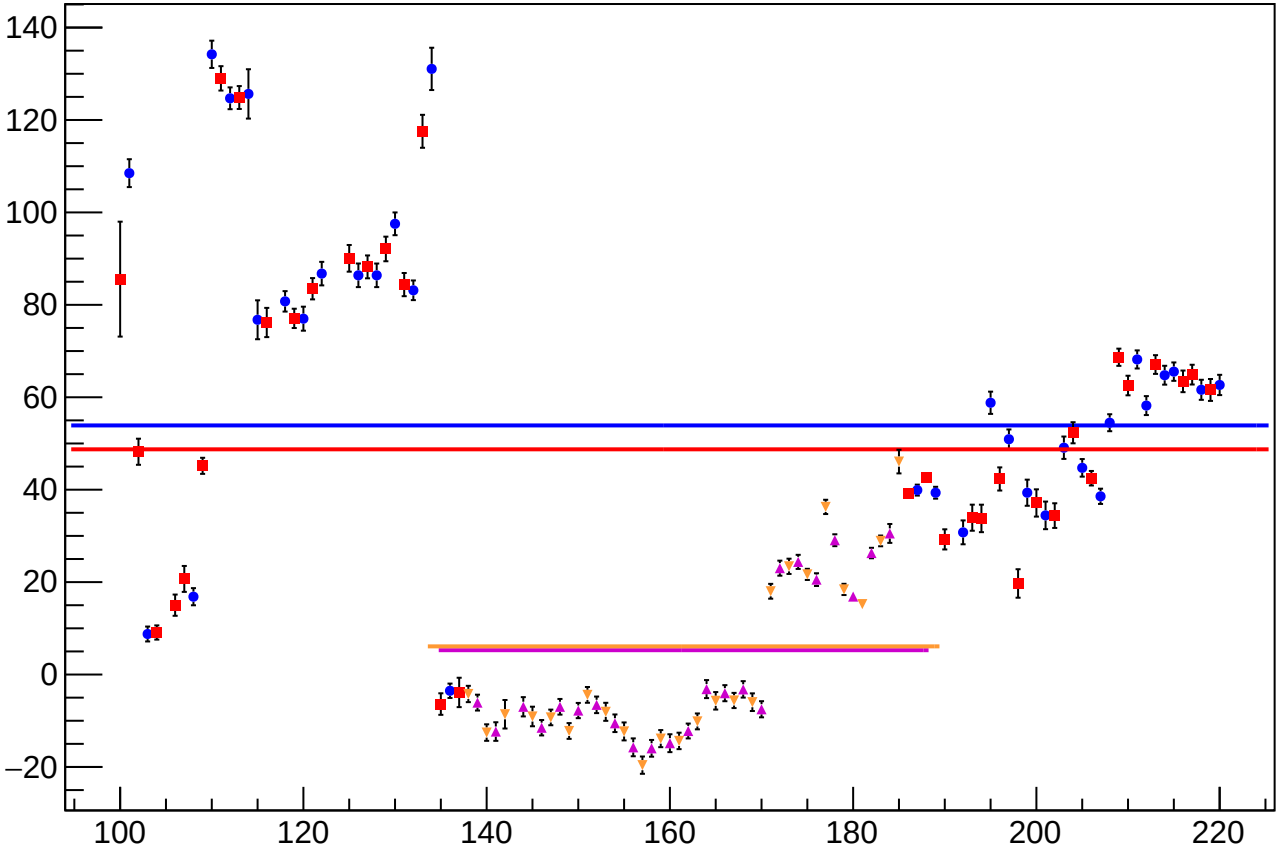
Right: 0.460+/-0.294 χ^2/NDF: 1427.4/67

In: -2.006+/-0.227 χ^2/NDF:871.8/55

Out: -1.488+/-0.217 χ^2/NDF:1011.6/58

All: -1.735+/-0.157 χ^2/NDF: 1886.1/114

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 53.905+/-0.366 χ^2/NDF: 6910.8/32

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 48.734+/-0.319 χ^2/NDF: 6380.3/34

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

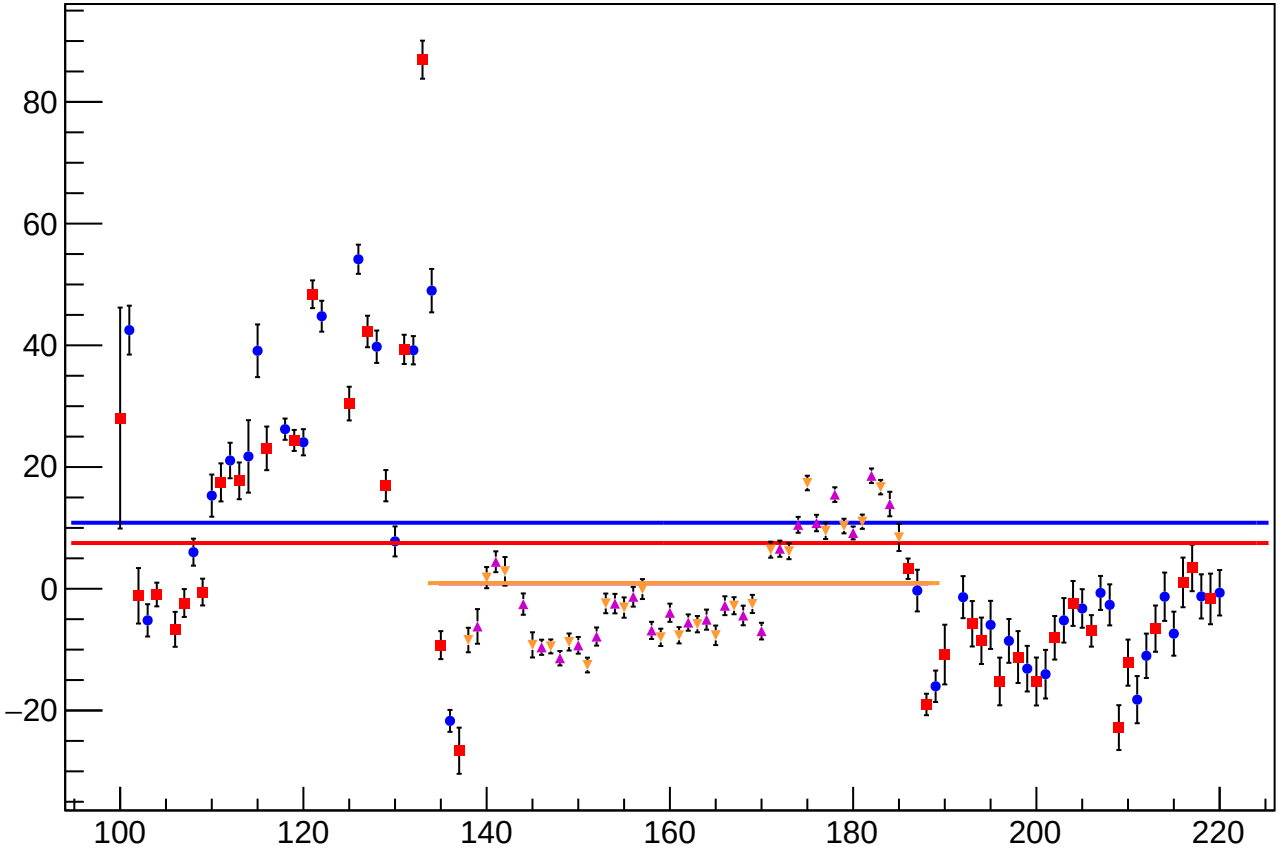
Right: 50.966+/-0.241 χ^2/NDF: 13404.3/67

In: 27.537+/-0.248 χ^2/NDF:18924.8/55

Out: 28.309+/-0.230 χ^2/NDF:17702.9/58

All: 27.951+/-0.169 χ^2/NDF: 36632.9/114

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.849+/-0.509 χ^2/NDF: 1971.5/32

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 7.516+/-0.479 χ^2/NDF: 2290.9/34

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

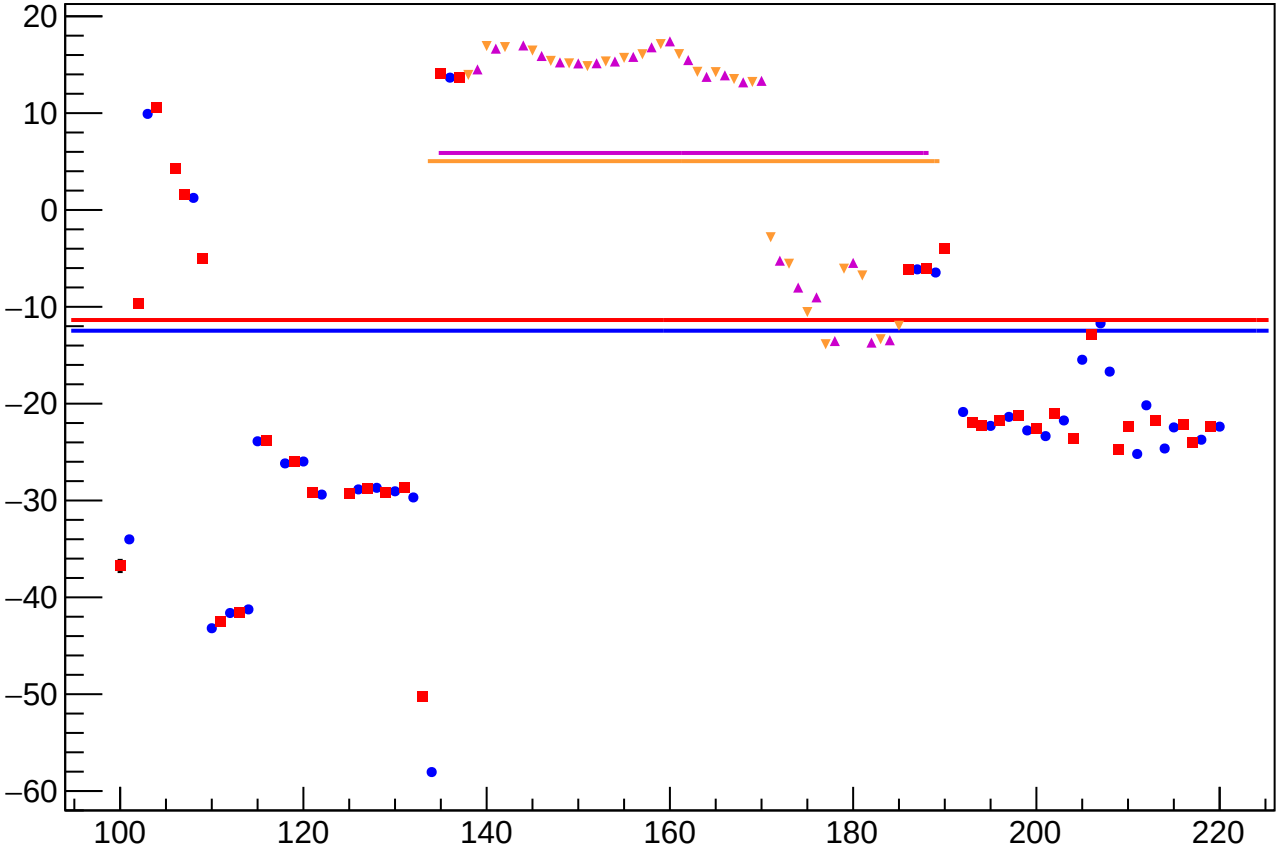
Right: 9.079+/-0.349 χ^2/NDF: 4285.2/67

In: 3.411+/-0.257 χ^2/NDF:3263.4/55

Out: 2.712+/-0.249 χ^2/NDF:3470.5/58

All: 3.051+/-0.179 χ^2/NDF: 6737.7/114

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -12.468+/-0.024 χ^2/NDF: 509046.1/32

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -11.363+/-0.023 χ^2/NDF: 429506.2/34

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

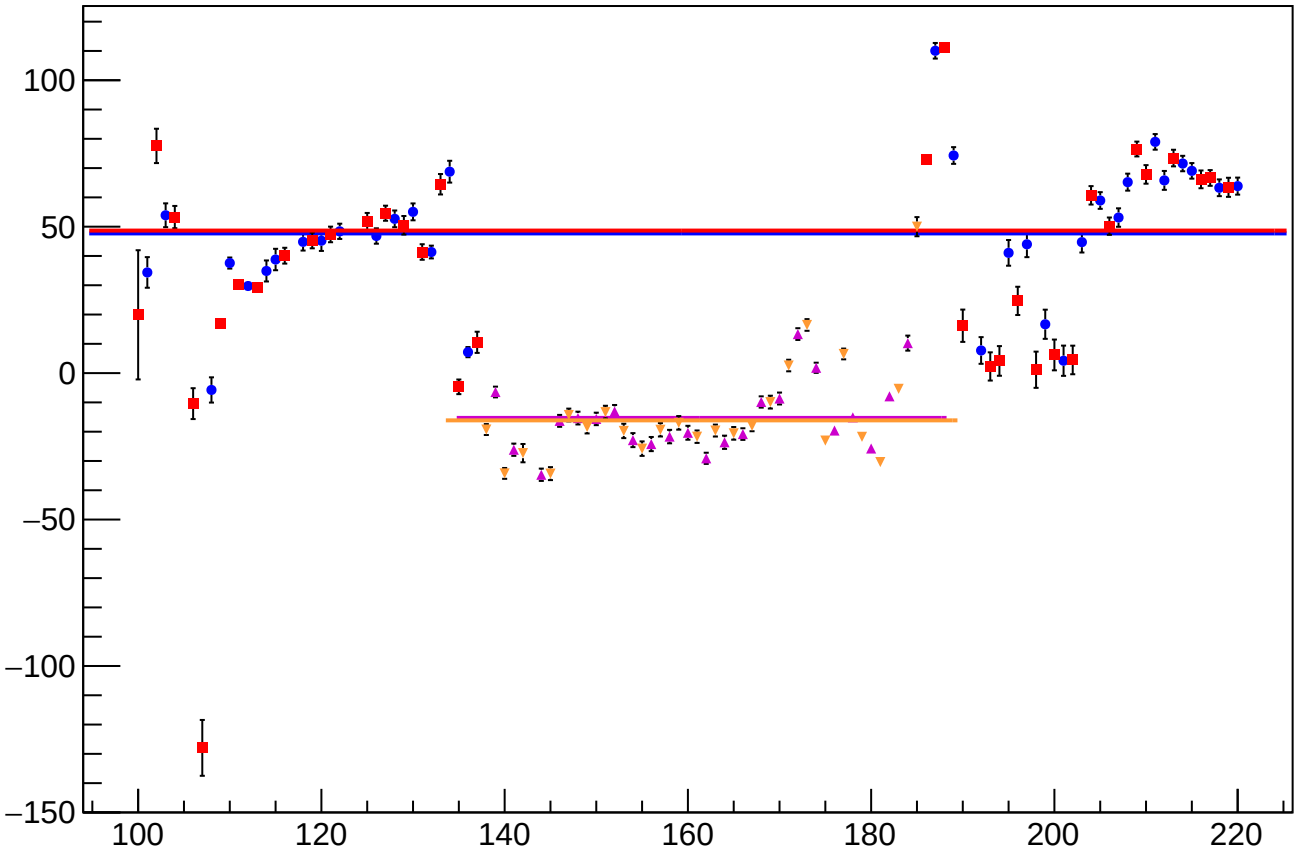
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.905+/-0.017 χ^2/NDF: 939667.2/67

In: 1.547+/-0.011 χ^2/NDF:1816198.3/55

Out: 1.087+/-0.011 χ^2/NDF:1665386.0/58

All: 1.315+/-0.008 χ^2/NDF: 3482392.7/114



Right In: 47.698+/-0.500 χ^2/NDF: 2189.3/32

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 48.668+/-0.472 χ^2/NDF: 4487.5/34

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

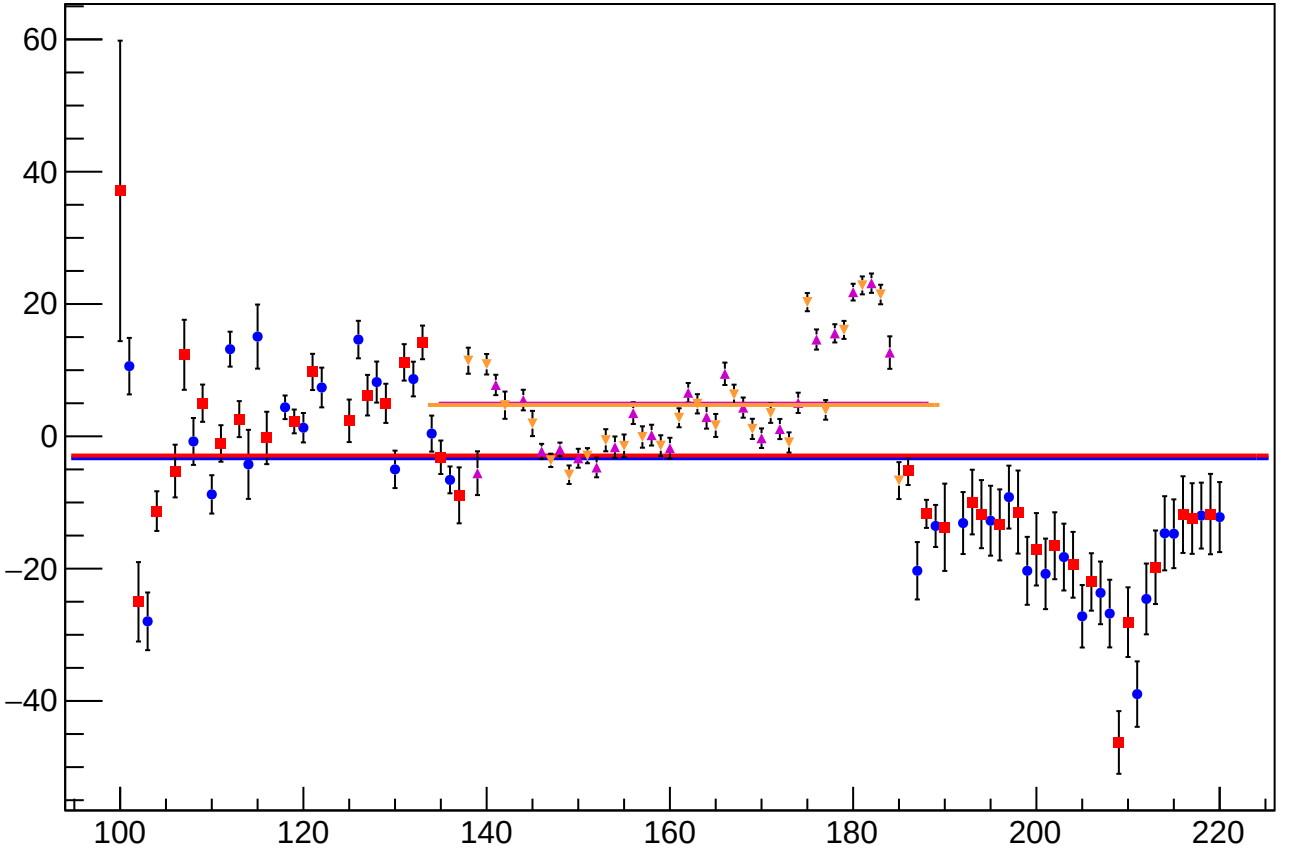
Right: 48.211+/-0.343 χ^2/NDF: 6678.8/67

In: 9.523+/-0.314 χ^2/NDF:12566.1/55

Out: 10.796+/-0.304 χ^2/NDF:16873.6/58

All: 10.180+/-0.218 χ^2/NDF: 29448.2/114

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.311+/-0.601 χ^2/NDF: 428.2/32

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -2.902+/-0.584 χ^2/NDF: 367.4/34

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

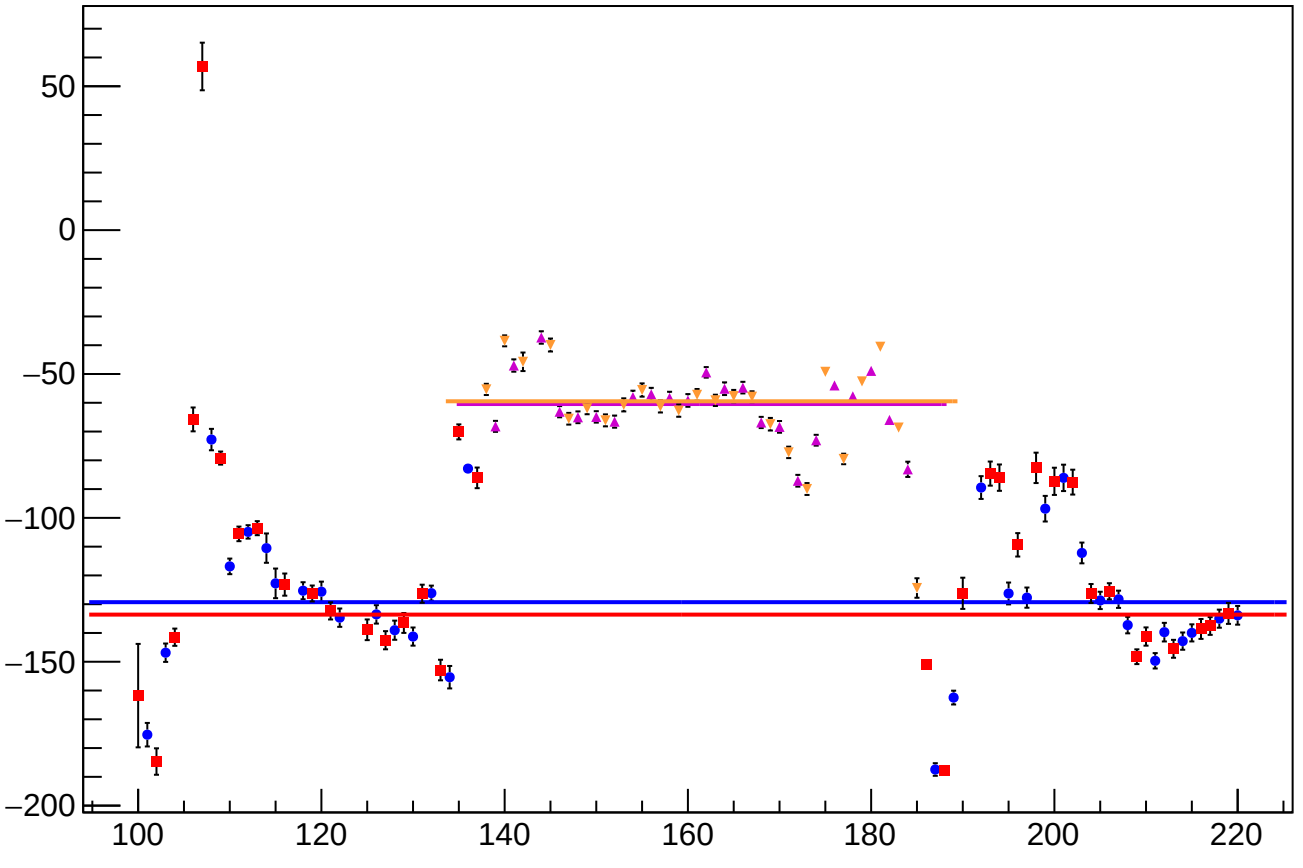
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -3.101+/-0.419 χ^2/NDF: 795.7/67

In: 3.175+/-0.278 χ^2/NDF:1264.7/55

Out: 3.092+/-0.271 χ^2/NDF:1295.6/58

All: 3.133+/-0.194 χ^2/NDF: 2560.3/114



Right In: -129.297+/-0.533 χ^2/NDF: 2590.3/32

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -133.620+/-0.494 χ^2/NDF: 5389.1/34

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

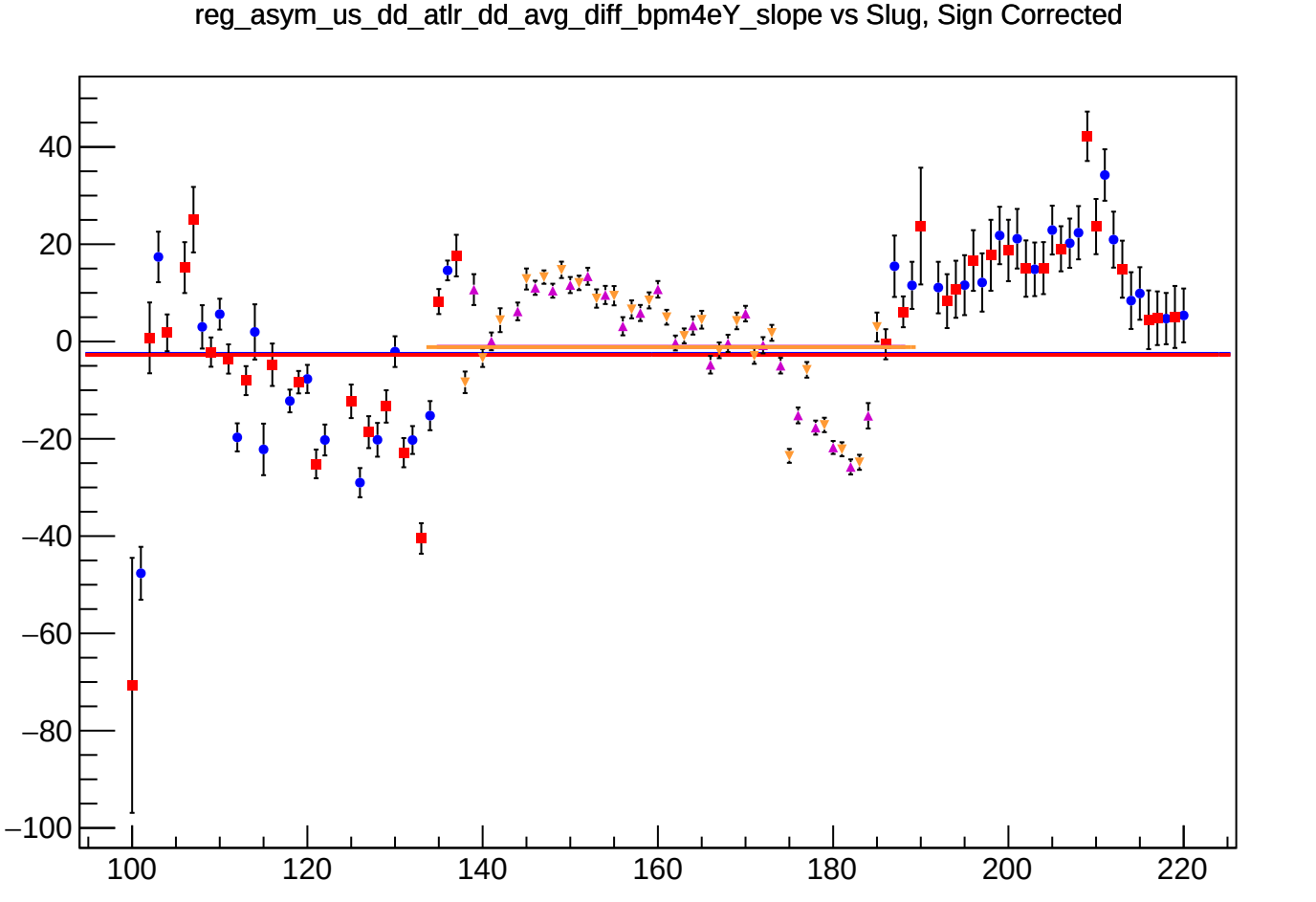
Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

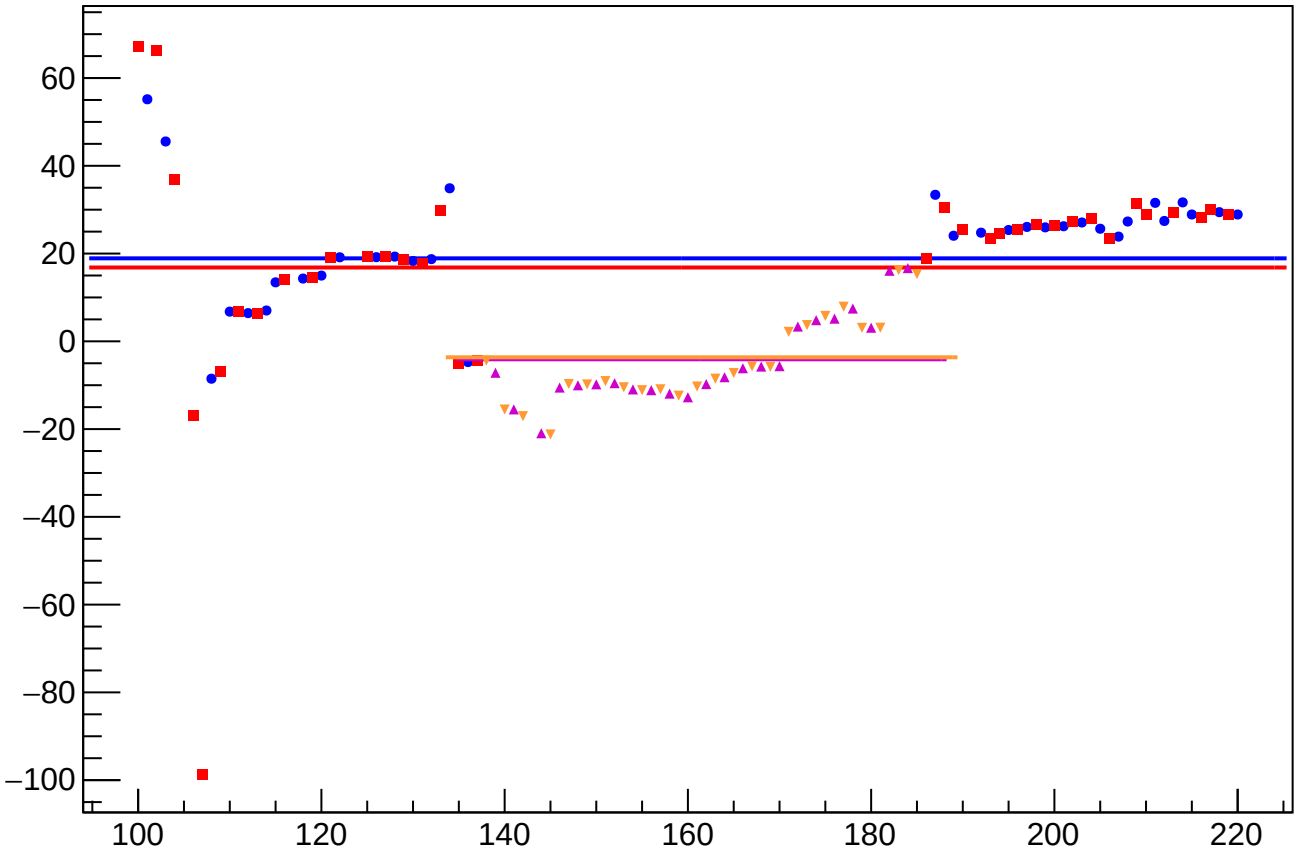
Right: -131.625+/-0.362 χ^2/NDF: 8014.8/67

In: -85.187+/-0.320 χ^2/NDF:13937.7/55

Out: -88.410+/-0.308 χ^2/NDF:20513.5/58

All: -86.857+/-0.222 χ^2/NDF: 34503.8/114


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
220
Right In: -2.540+/-0.684 χ²/NDF: 645.0/32
Left Out: -1.144+/-0.346 χ²/NDF:1303.0/23
Right Out: -2.740+/-0.680 χ²/NDF: 584.0/34
Left In: -1.082+/-0.352 χ²/NDF:1157.4/22
Left: -1.114+/-0.247 χ²/NDF: 2460.4/46
Right: -2.641+/-0.482 χ²/NDF: 1229.0/67
In: -1.387+/-0.313 χ²/NDF:1806.0/55
Out: -1.472+/-0.308 χ²/NDF:1891.3/58
All: -1.430+/-0.220 χ²/NDF: 3697.3/114



Right In: 18.910+/-0.035 χ^2/NDF: 220973.3/32

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 16.824+/-0.035 χ^2/NDF: 355843.2/34

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

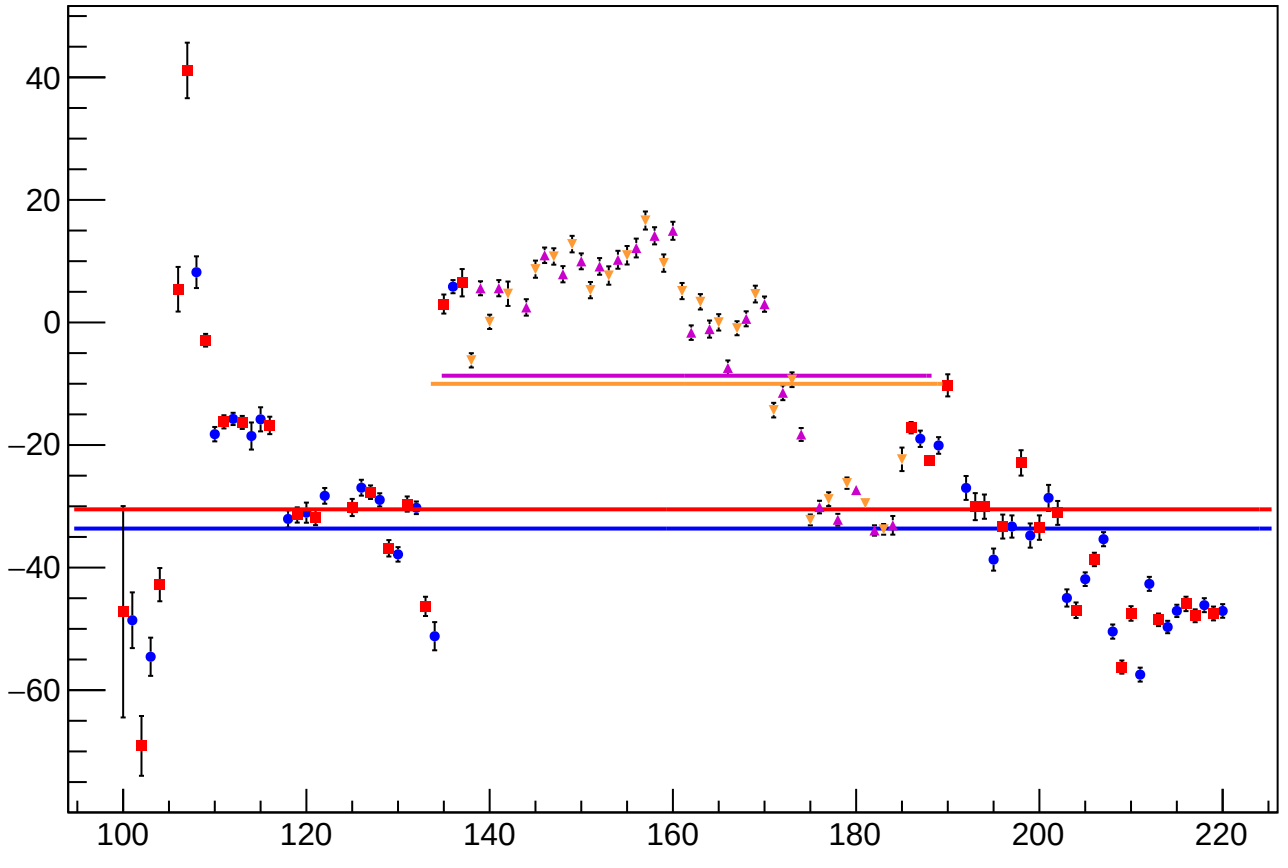
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.882+/-0.025 χ^2/NDF: 578606.2/67

In: -0.236+/-0.014 χ^2/NDF:921855.3/55

Out: -0.319+/-0.014 χ^2/NDF:986217.6/58

All: -0.278+/-0.010 χ^2/NDF: 1908090.1/114



Right In: -33.632+/-0.232 χ^2/NDF: 4216.9/32

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -30.496+/-0.227 χ^2/NDF: 4908.9/34

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

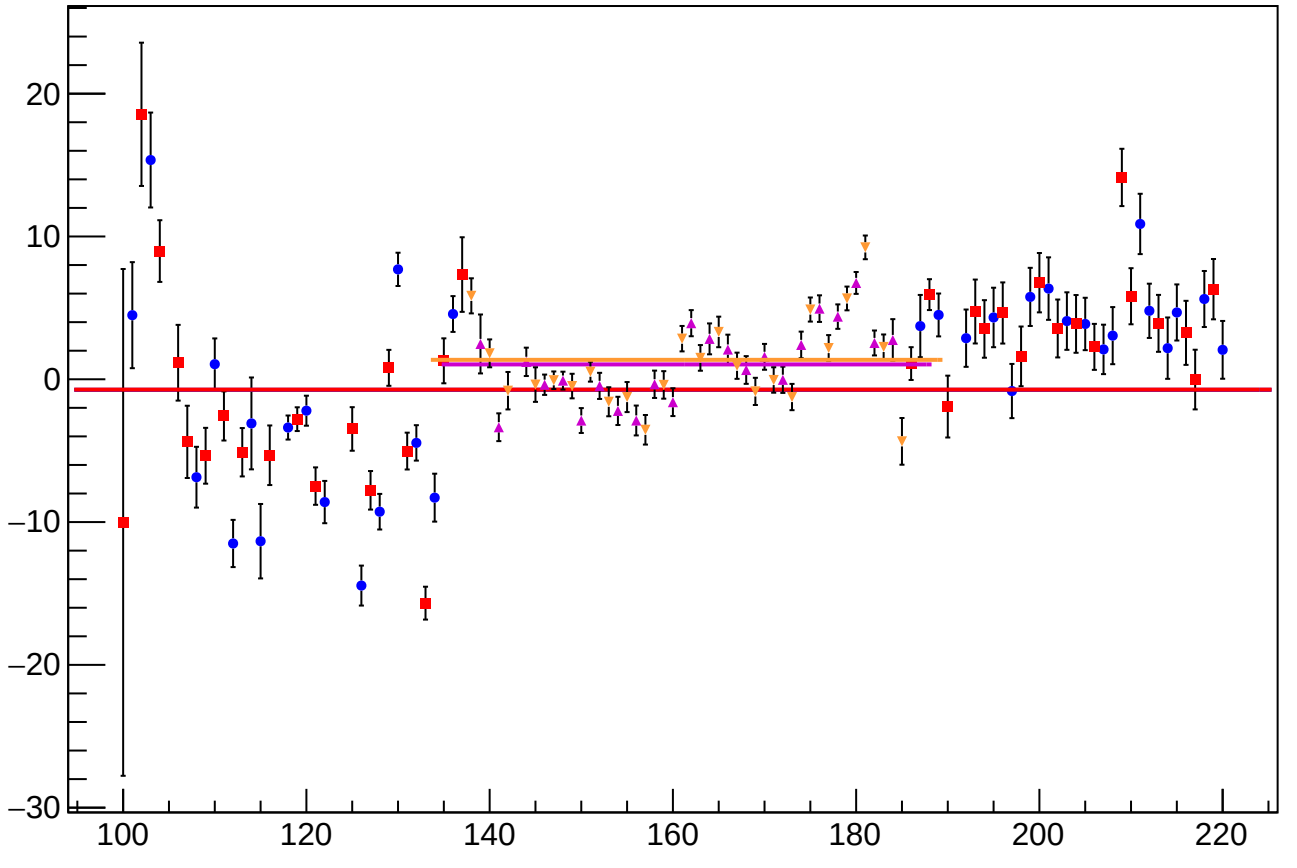
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -32.029+/-0.163 χ^2/NDF: 9218.8/67

In: -21.948+/-0.170 χ^2/NDF:14630.2/55

Out: -20.986+/-0.166 χ^2/NDF:13651.4/58

All: -21.458+/-0.119 χ^2/NDF: 28298.0/114



Right In: -0.738+/-0.288 χ^2/NDF: 501.6/32

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -0.725+/-0.283 χ^2/NDF: 482.3/34

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

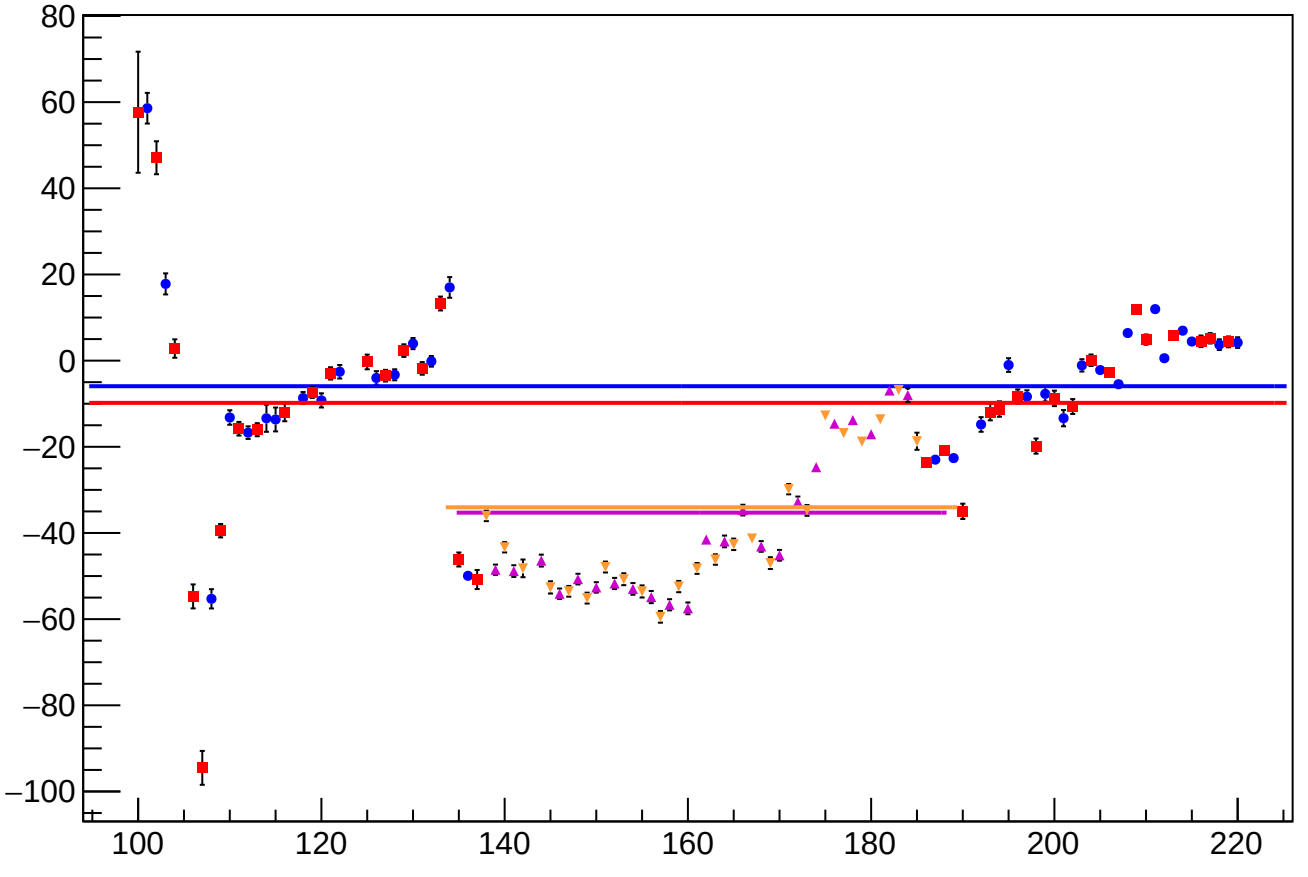
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -0.731+/-0.202 χ^2/NDF: 984.0/67

In: 0.491+/-0.160 χ^2/NDF:724.1/55

Out: 0.720+/-0.157 χ^2/NDF:760.4/58

All: 0.608+/-0.112 χ^2/NDF: 1485.5/114



Right In: -5.936+/-0.245 χ^2/NDF: 4095.9/32

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -9.802+/-0.234 χ^2/NDF: 4774.9/34

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

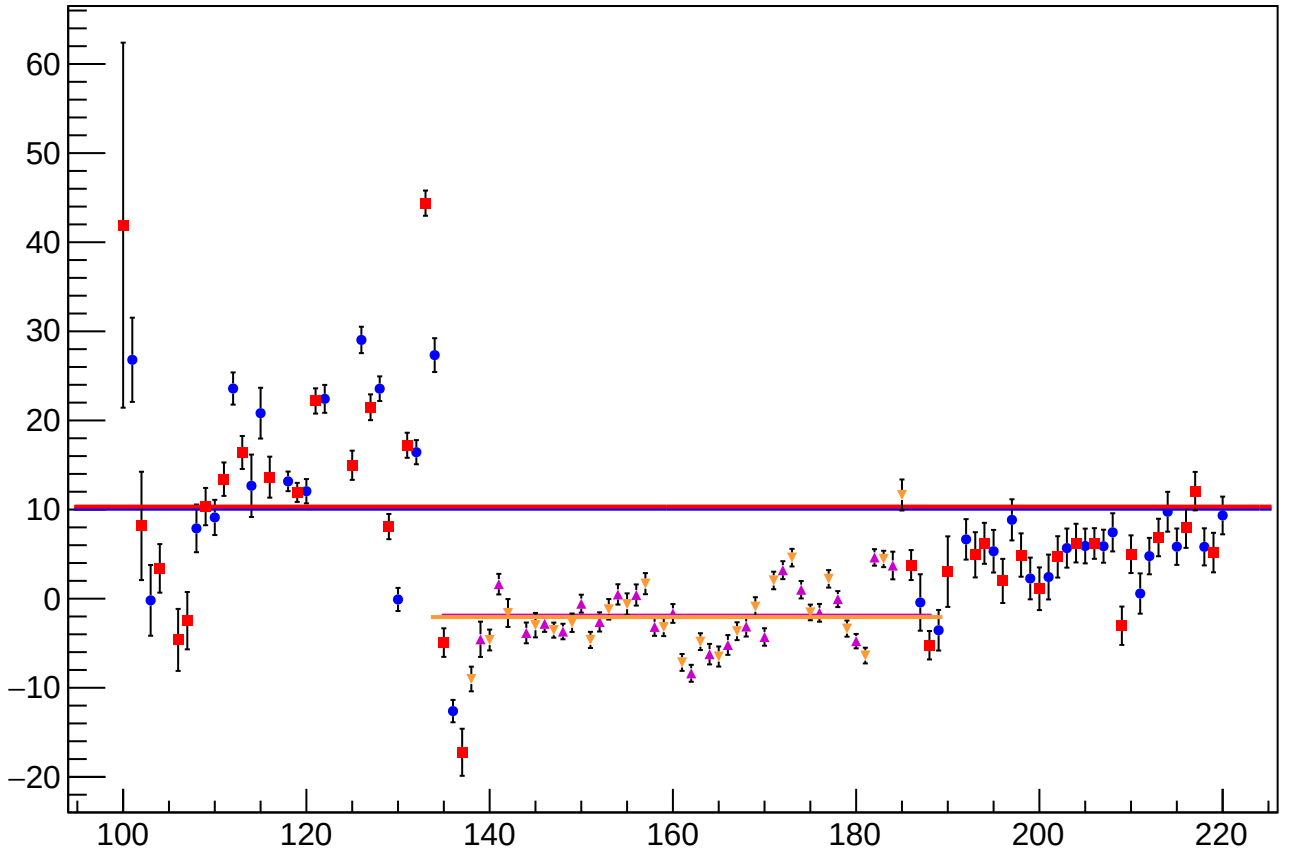
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -7.957+/-0.169 χ^2/NDF: 9000.7/67

In: -20.598+/-0.173 χ^2/NDF:16250.5/55

Out: -21.498+/-0.169 χ^2/NDF:14905.8/58

All: -21.061+/-0.121 χ^2/NDF: 31170.2/114



Right In: 10.096+/-0.328 χ^2/NDF: 1037.3/32

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 10.333+/-0.329 χ^2/NDF: 1226.1/34

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

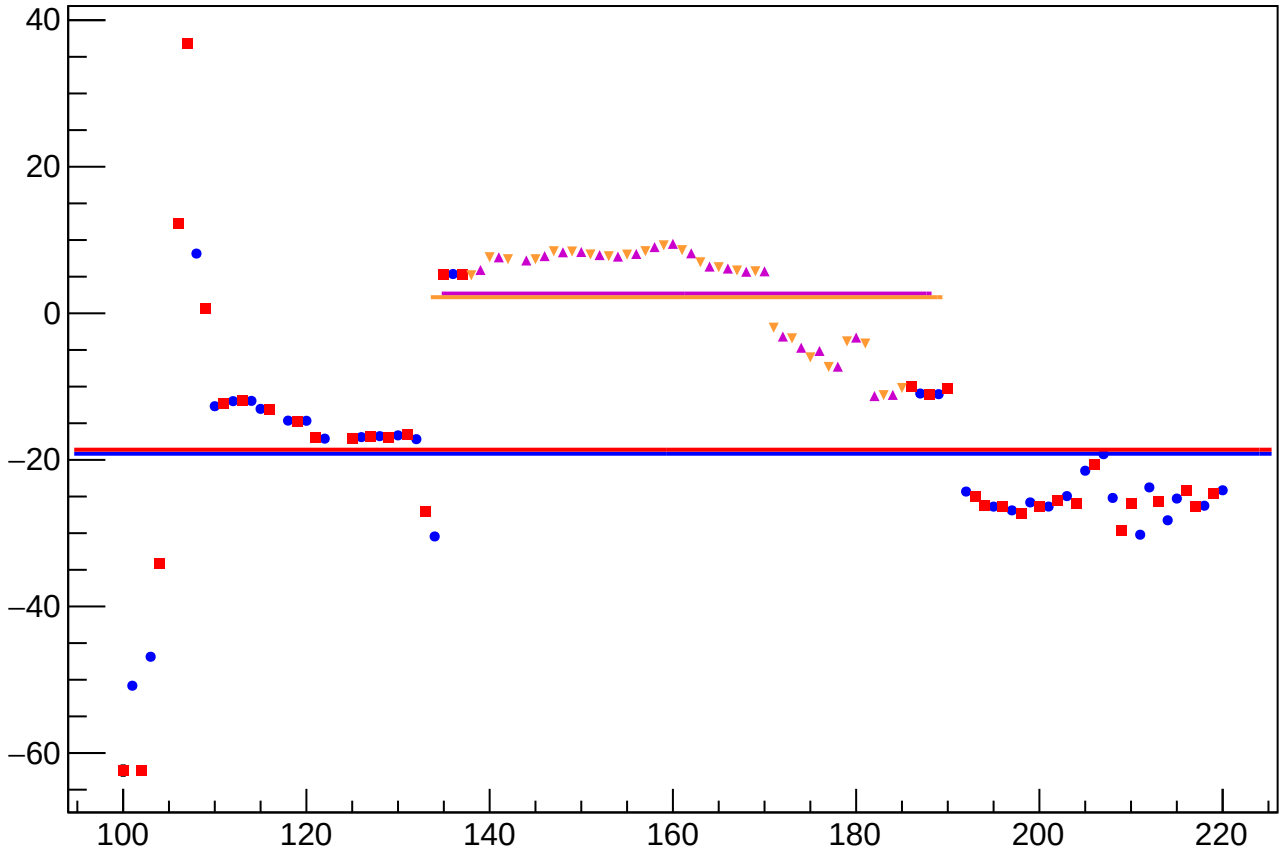
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.214+/-0.232 χ^2/NDF: 2263.7/67

In: 1.735+/-0.180 χ^2/NDF:2194.0/55

Out: 1.588+/-0.178 χ^2/NDF:2563.0/58

All: 1.661+/-0.127 χ^2/NDF: 4757.3/114



Right In: -19.158+/-0.016 χ^2/NDF: 536701.5/32

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.608+/-0.017 χ^2/NDF: 617372.7/34

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

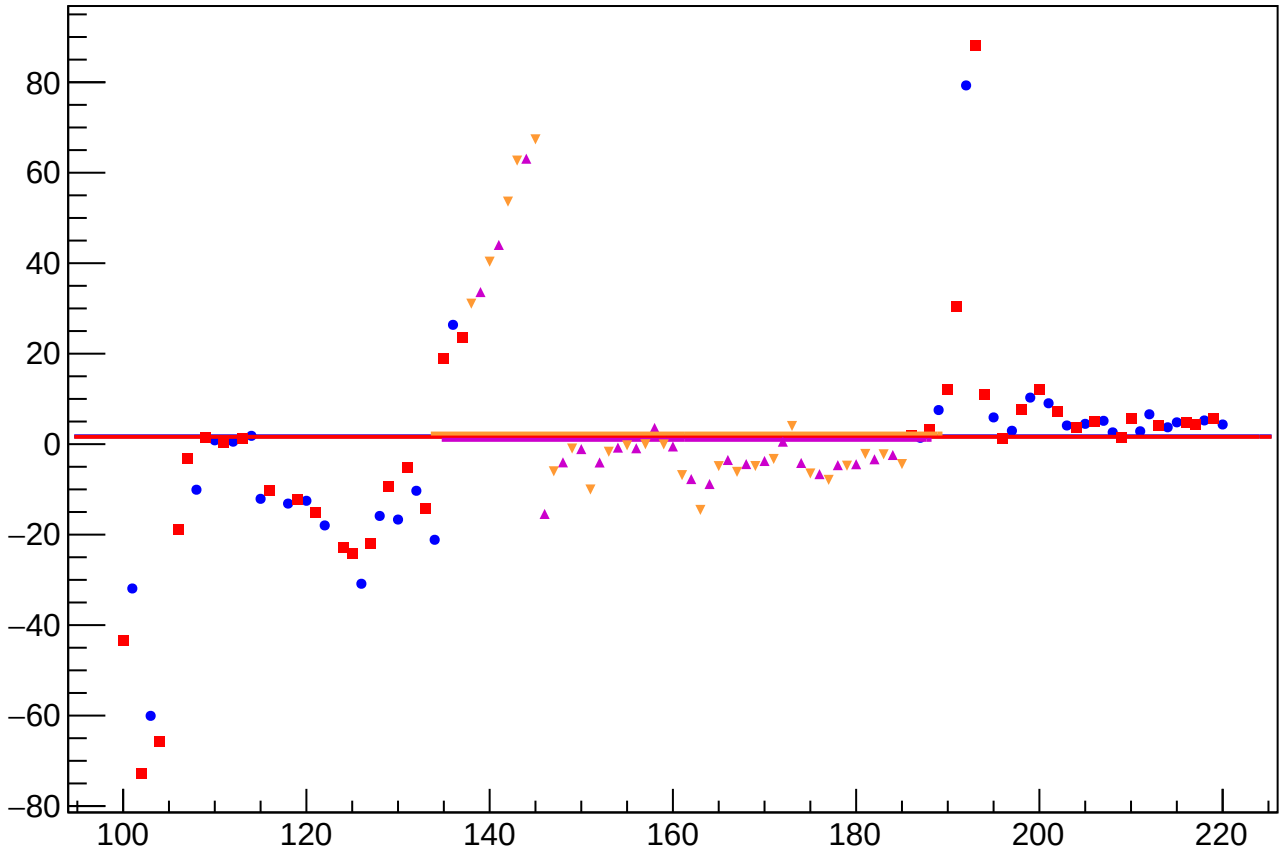
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.885+/-0.012 χ^2/NDF: 1154626.1/67

In: -2.792+/-0.008 χ^2/NDF:2349316.4/55

Out: -2.923+/-0.008 χ^2/NDF:2307576.0/58

All: -2.858+/-0.006 χ^2/NDF: 4657017.1/114



Right In: 1.729+/-0.034 χ^2/NDF: 122078.8/32

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 1.620+/-0.031 χ^2/NDF: 122903.0/36

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

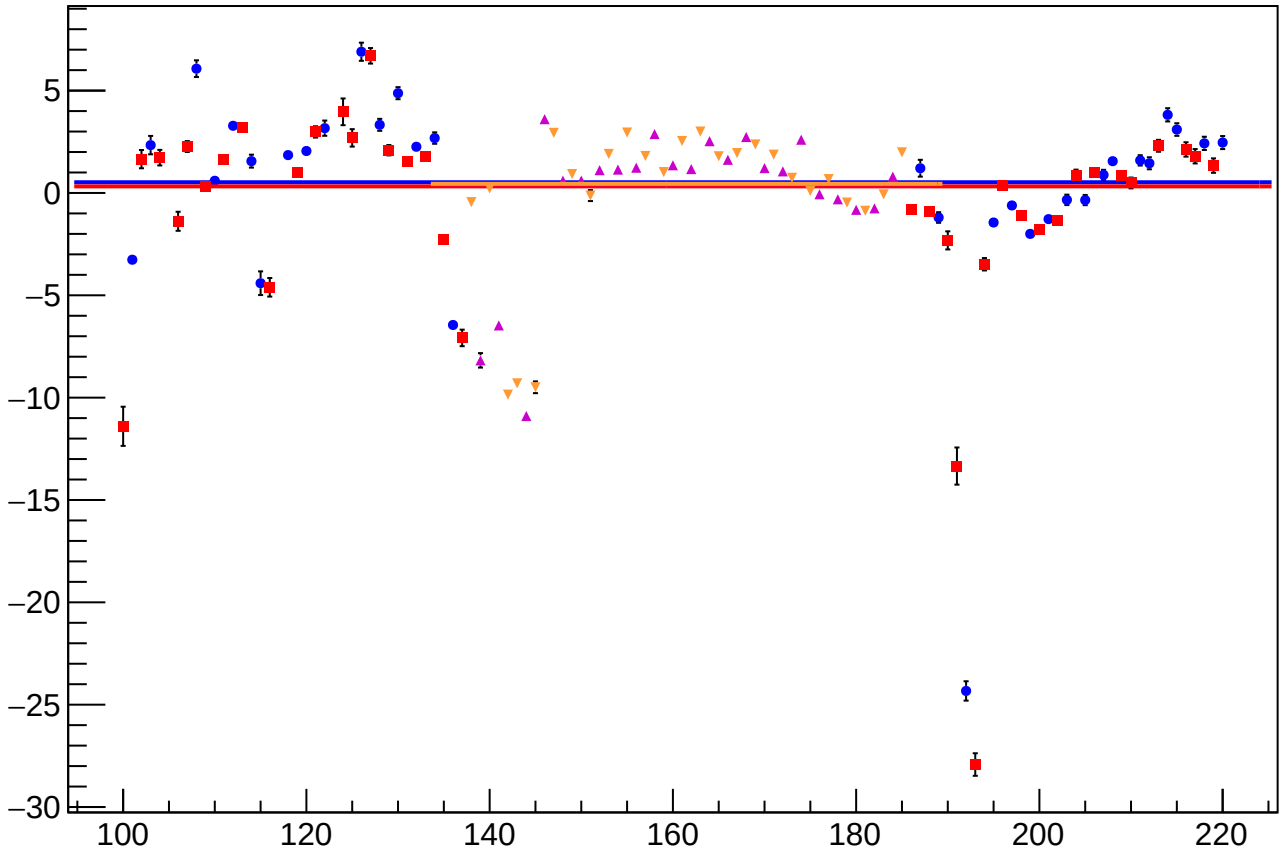
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 1.671+/-0.023 χ^2/NDF: 244987.3/69

In: 1.407+/-0.026 χ^2/NDF:254816.7/55

Out: 1.892+/-0.025 χ^2/NDF:300089.2/61

All: 1.660+/-0.018 χ^2/NDF: 555089.8/117



Right In: 0.522+/-0.044 χ^2/NDF: 6168.5/32

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.321+/-0.042 χ^2/NDF: 5206.6/36

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

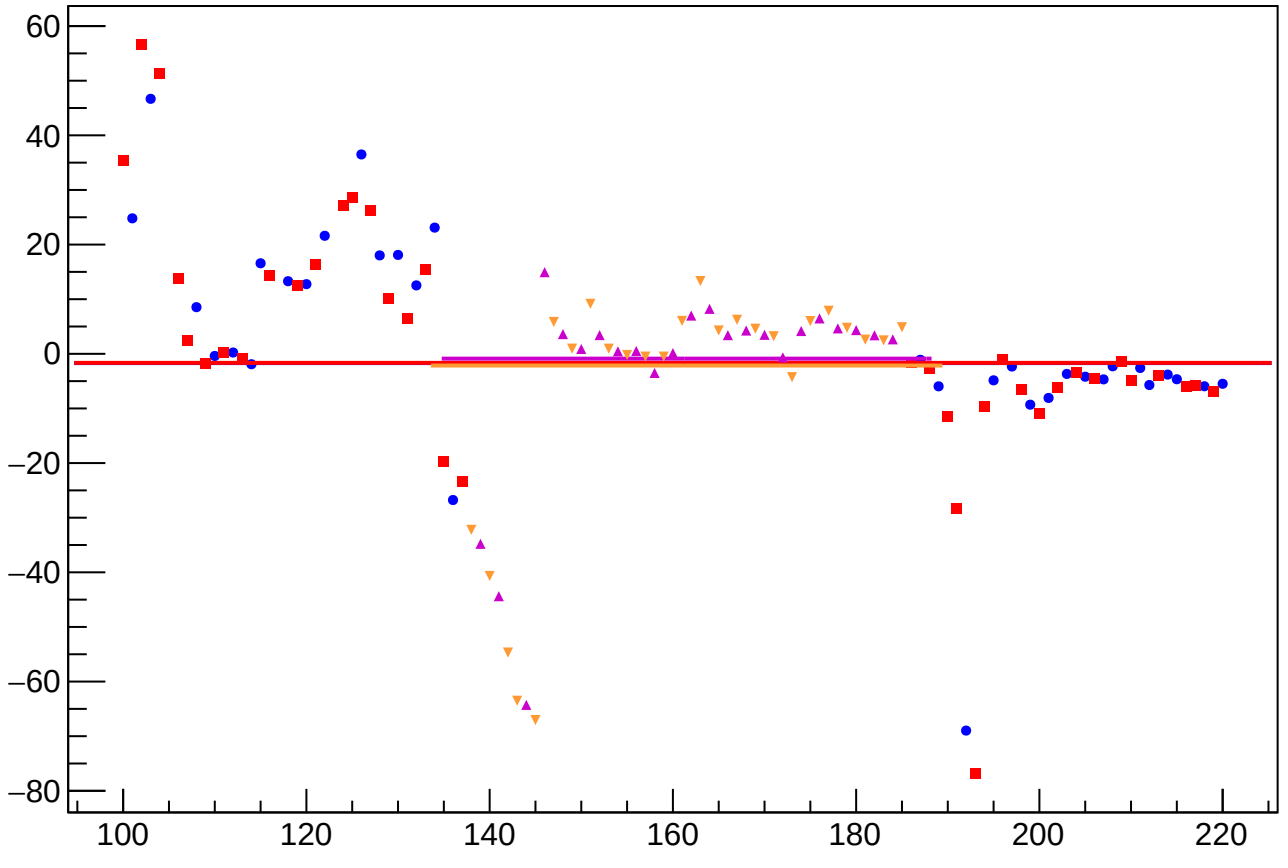
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.418+/-0.030 χ^2/NDF: 11386.2/69

In: 0.460+/-0.025 χ^2/NDF:13274.0/55

Out: 0.398+/-0.026 χ^2/NDF:12256.4/61

All: 0.430+/-0.018 χ^2/NDF: 25533.3/117



Right In: -1.693+/-0.035 χ^2/NDF: 120607.7/32

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -1.657+/-0.033 χ^2/NDF: 121410.1/36

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

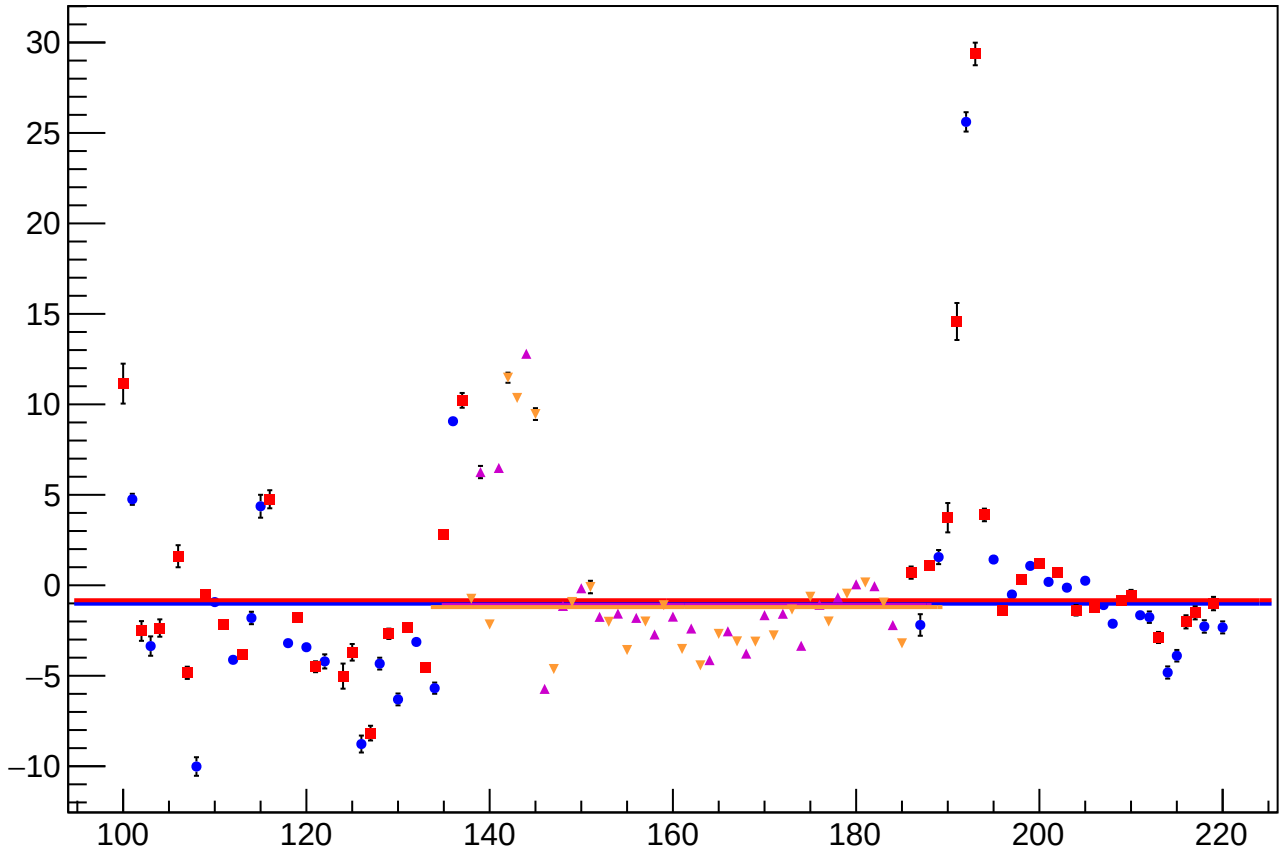
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.674+/-0.024 χ^2/NDF: 242018.3/69

In: -1.333+/-0.026 χ^2/NDF:250042.5/55

Out: -1.854+/-0.026 χ^2/NDF:292768.0/61

All: -1.600+/-0.018 χ^2/NDF: 543012.4/117



Right In: -1.016+/-0.050 χ^2/NDF: 7630.6/32

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.827+/-0.048 χ^2/NDF: 5674.9/36

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

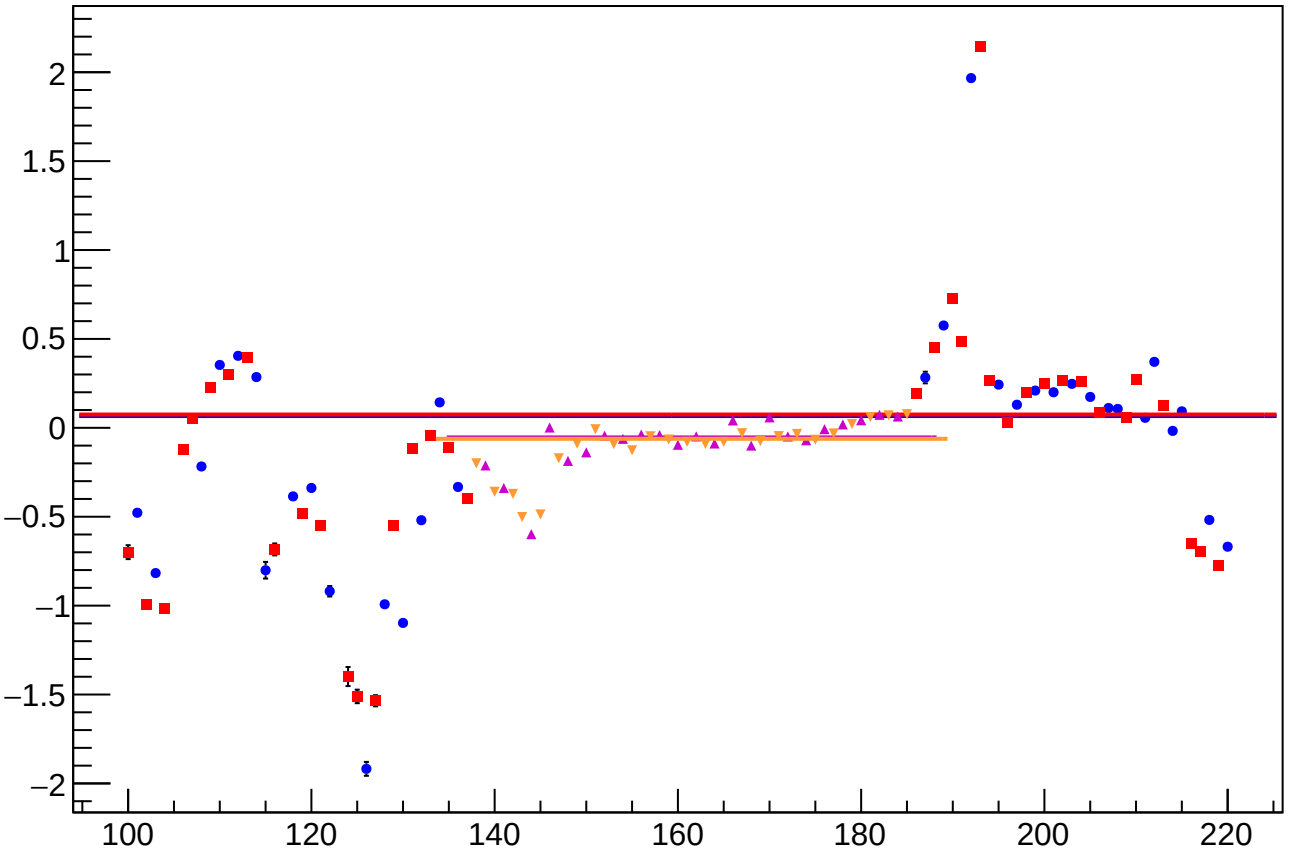
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.918+/-0.035 χ^2/NDF: 13313.1/69

In: -1.068+/-0.029 χ^2/NDF:14661.4/55

Out: -1.068+/-0.029 χ^2/NDF:12717.6/61

All: -1.068+/-0.020 χ^2/NDF: 27379.1/117



Right In: 0.066+/-0.002 χ^2/NDF: 36697.7/32

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.075+/-0.002 χ^2/NDF: 38970.6/36

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

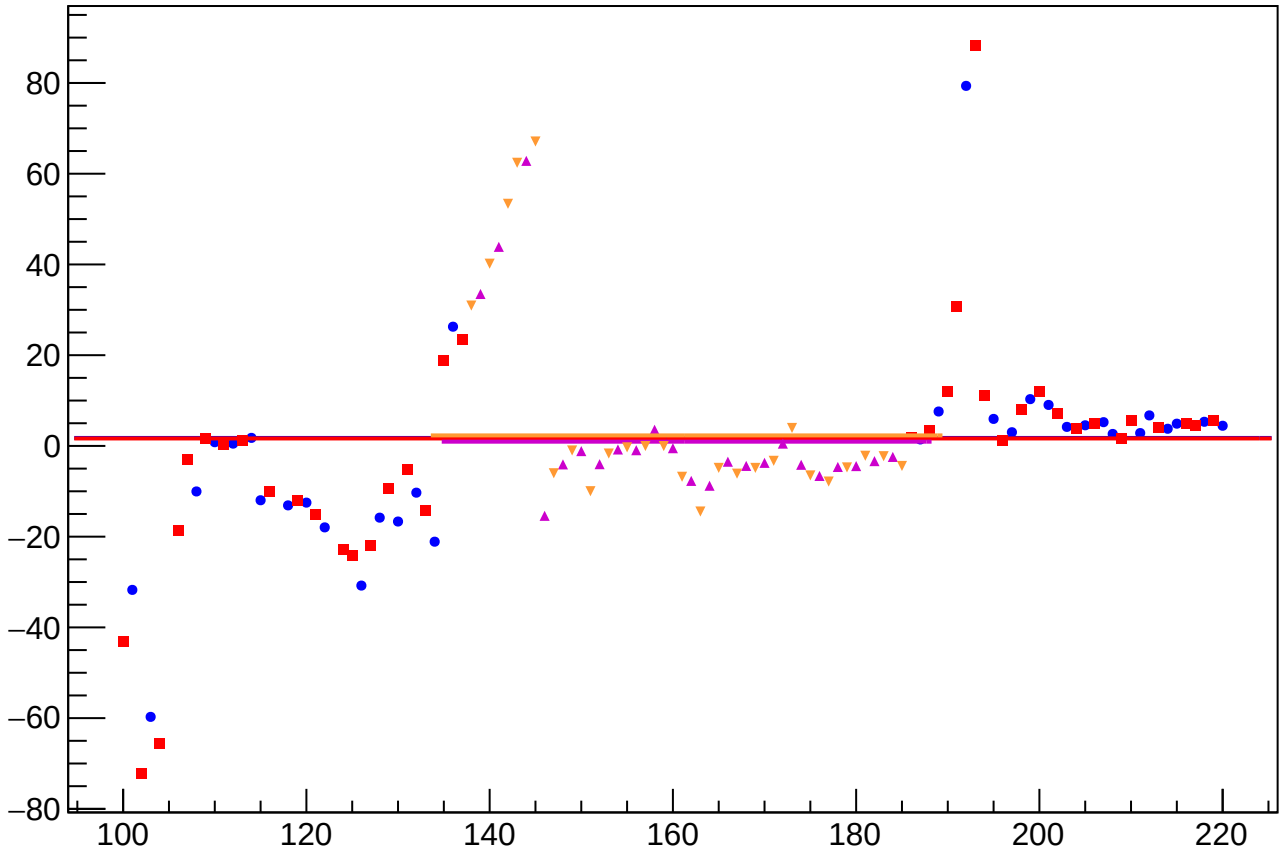
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.071+/-0.002 χ^2/NDF: 75675.6/69

In: -0.017+/-0.001 χ^2/NDF:43713.1/55

Out: -0.015+/-0.001 χ^2/NDF:47197.3/61

All: -0.016+/-0.001 χ^2/NDF: 90911.3/117



Right In: 1.757+/-0.034 χ^2/NDF: 122675.6/32

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.646+/-0.031 χ^2/NDF: 123540.5/36

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

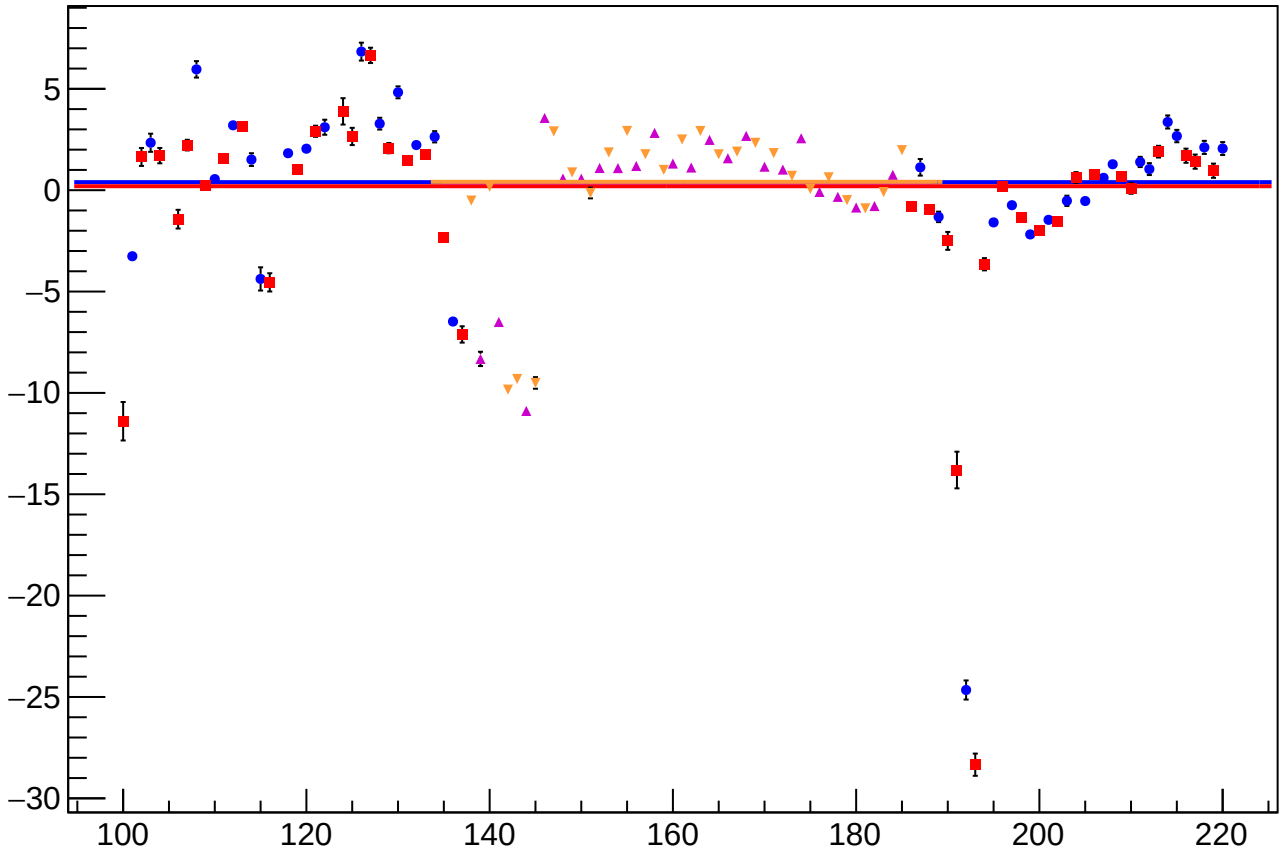
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.697+/-0.023 χ^2/NDF: 246222.0/69

In: 1.415+/-0.026 χ^2/NDF:255329.9/55

Out: 1.898+/-0.025 χ^2/NDF:300462.3/61

All: 1.667+/-0.018 χ^2/NDF: 555976.4/117



Right In: 0.397+/-0.043 χ^2/NDF: 6228.7/32

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.196+/-0.042 χ^2/NDF: 5335.6/36

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

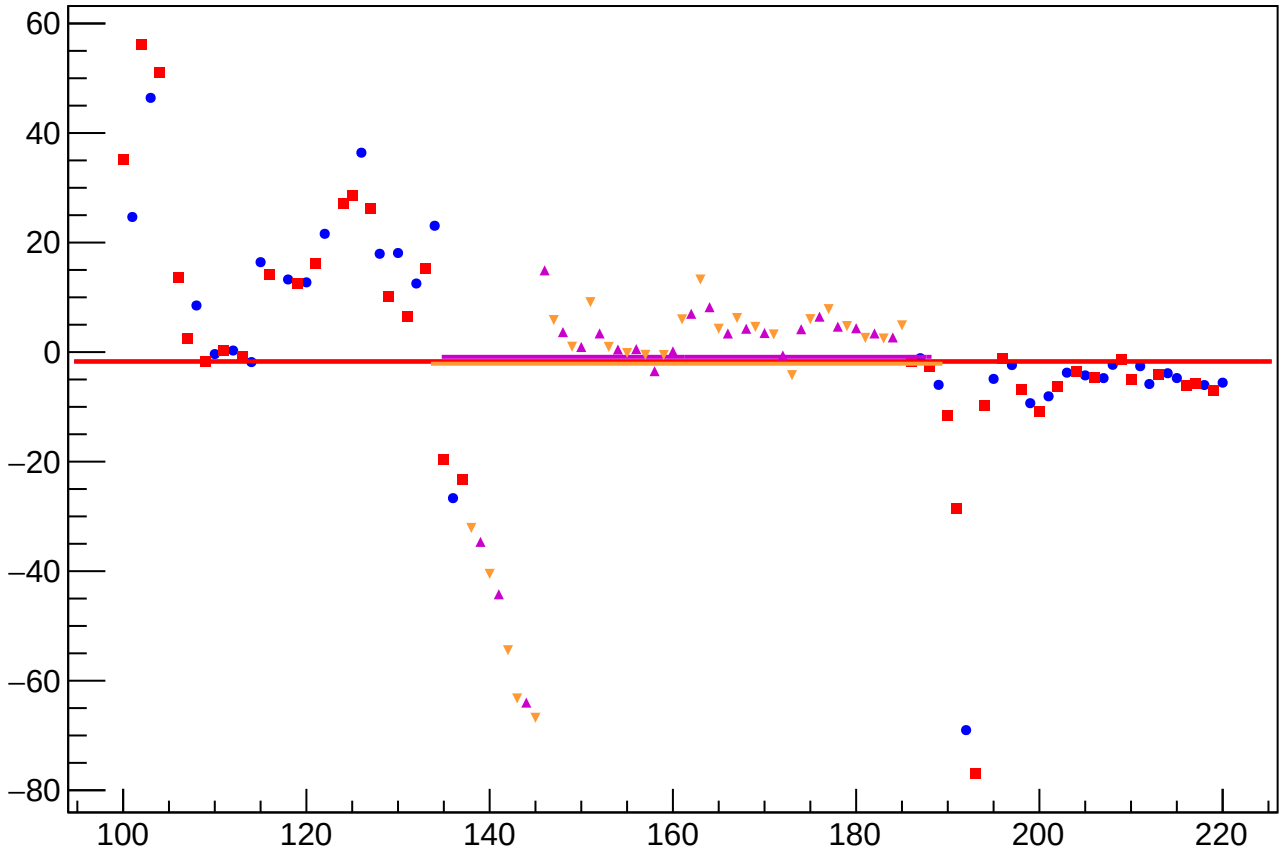
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.293+/-0.030 χ^2/NDF: 11575.5/69

In: 0.392+/-0.025 χ^2/NDF:13342.9/55

Out: 0.331+/-0.026 χ^2/NDF:12399.7/61

All: 0.362+/-0.018 χ^2/NDF: 25745.5/117



Right In: -1.725+/-0.035 χ^2/NDF: 121154.8/32

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.687+/-0.033 χ^2/NDF: 122009.1/36

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

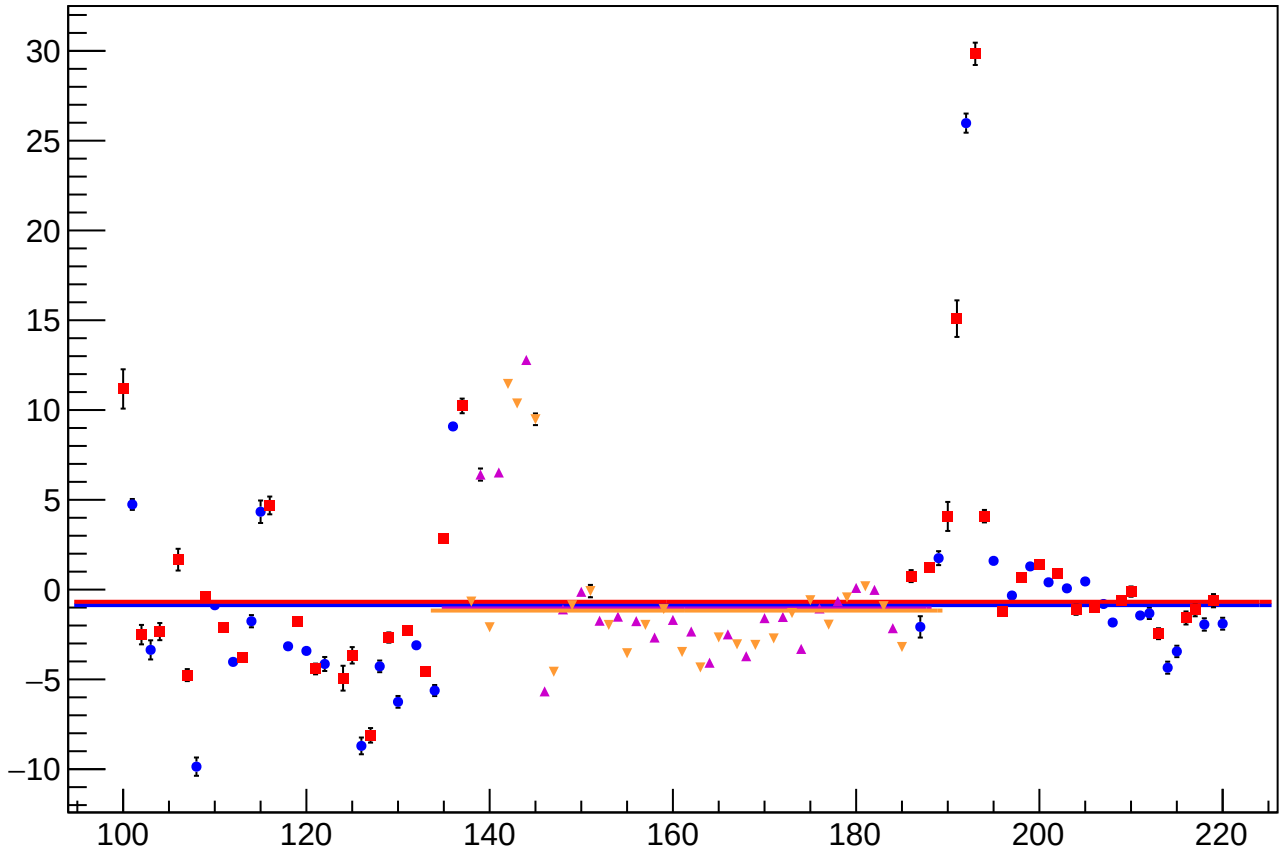
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -1.705+/-0.024 χ^2/NDF: 243164.6/69

In: -1.342+/-0.026 χ^2/NDF:250511.7/55

Out: -1.861+/-0.025 χ^2/NDF:293118.1/61

All: -1.608+/-0.018 χ^2/NDF: 543832.8/117



Right In: -0.865+/-0.049 χ^2/NDF: 7683.2/32

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.677+/-0.048 χ^2/NDF: 5813.0/36

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

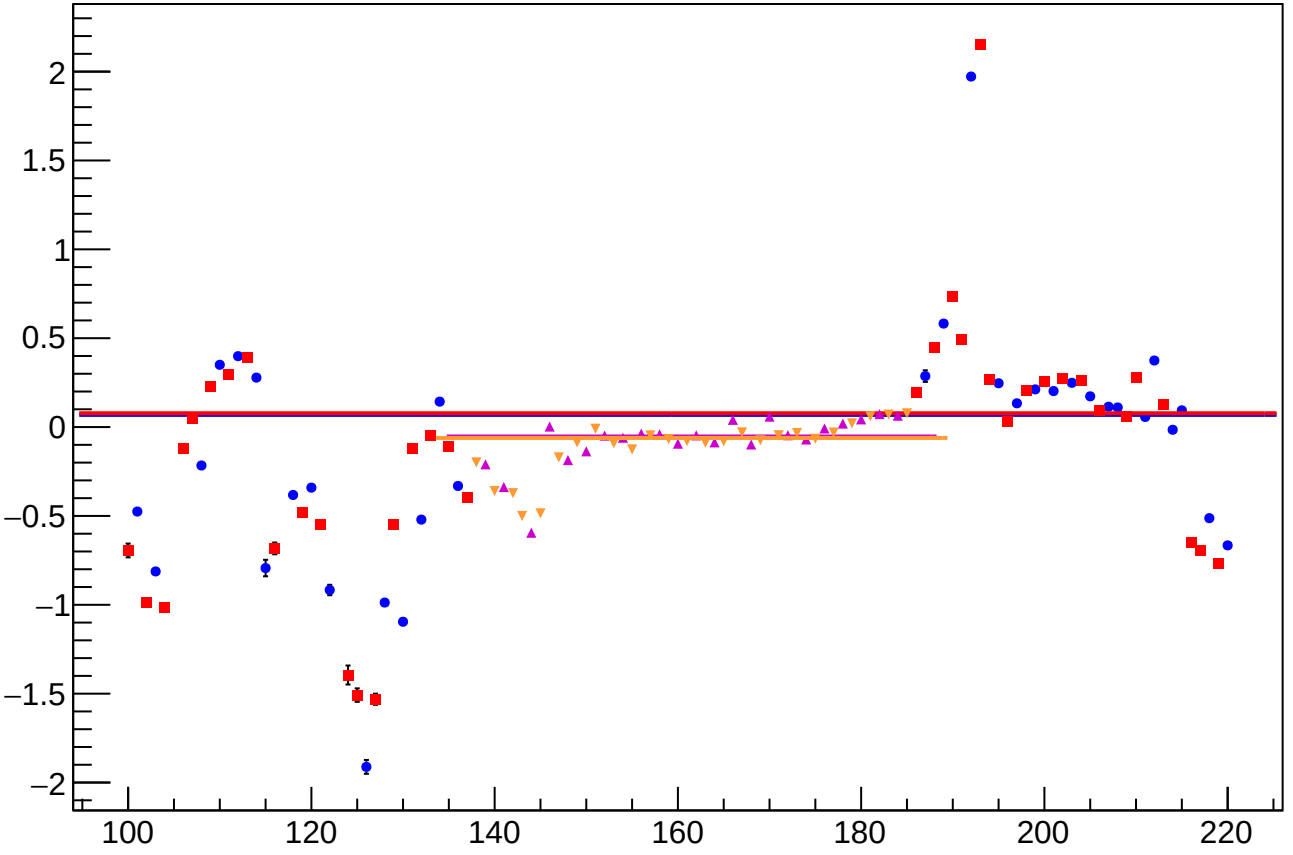
Right: -0.768+/-0.034 χ^2/NDF: 13503.6/69

In: -0.988+/-0.028 χ^2/NDF:14733.1/55

Out: -0.989+/-0.029 χ^2/NDF:12881.2/61

All: -0.988+/-0.020 χ^2/NDF: 27614.3/117

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.069+/-0.002 χ^2/NDF: 36982.6/32

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.078+/-0.002 χ^2/NDF: 39313.8/36

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

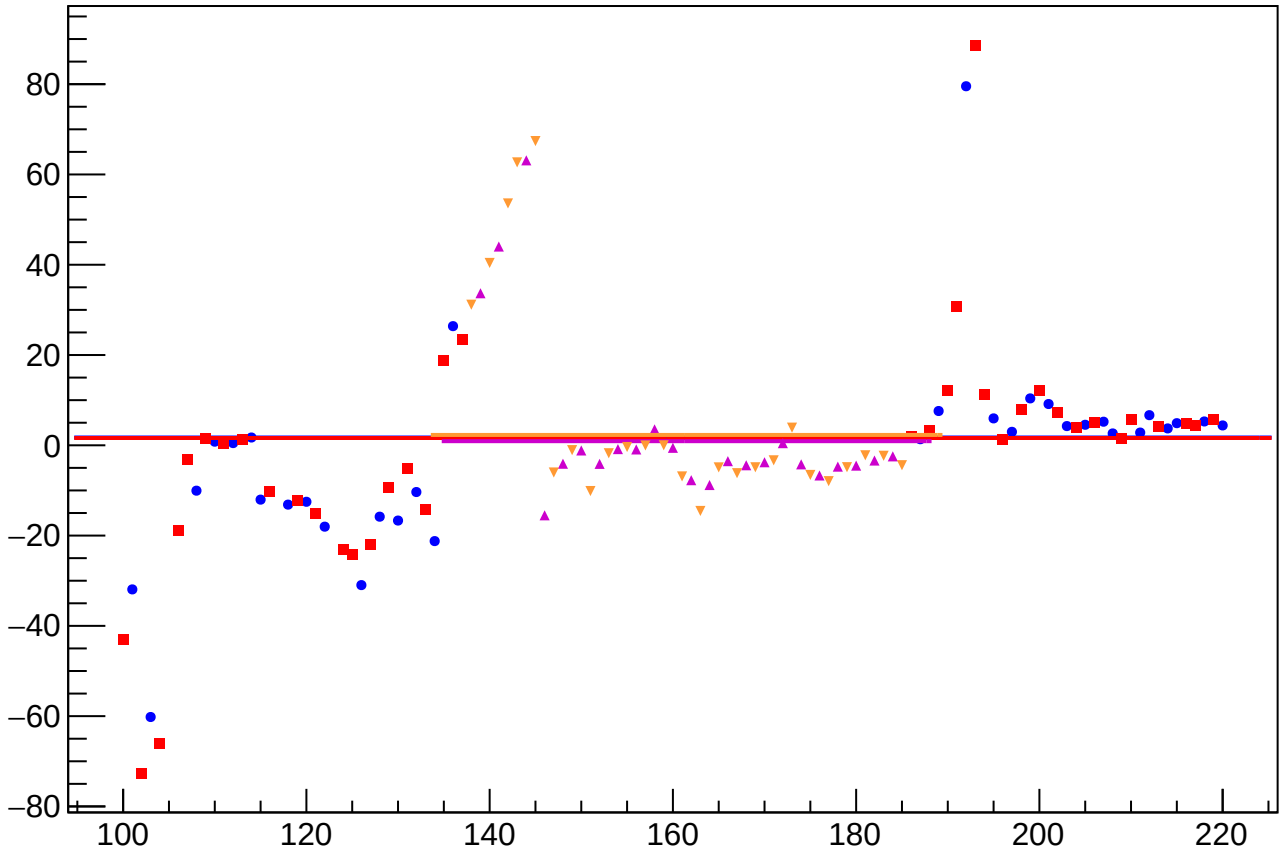
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.073+/-0.002 χ^2/NDF: 76305.0/69

In: -0.016+/-0.001 χ^2/NDF:44039.8/55

Out: -0.014+/-0.001 χ^2/NDF:47671.0/61

All: -0.015+/-0.001 χ^2/NDF: 91711.8/117



Right In: 1.727+/-0.034 χ^2/NDF: 122682.5/32

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.617+/-0.031 χ^2/NDF: 123518.9/36

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

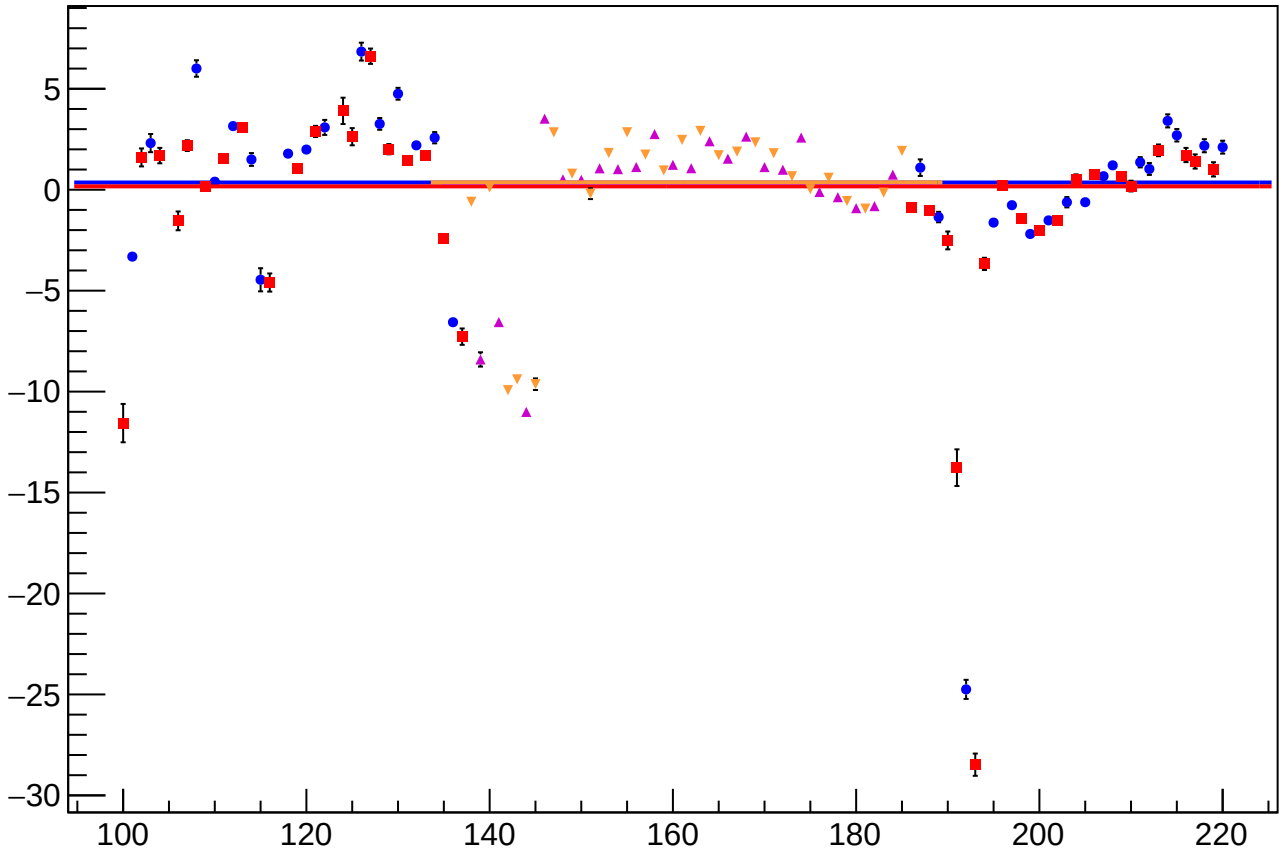
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 1.668+/-0.023 χ^2/NDF: 246207.2/69

In: 1.387+/-0.026 χ^2/NDF:255498.5/55

Out: 1.872+/-0.025 χ^2/NDF:300882.2/61

All: 1.640+/-0.018 χ^2/NDF: 556565.0/117



Right In: 0.358+/-0.044 χ^2/NDF: 6228.8/32

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.166+/-0.042 χ^2/NDF: 5335.3/36

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

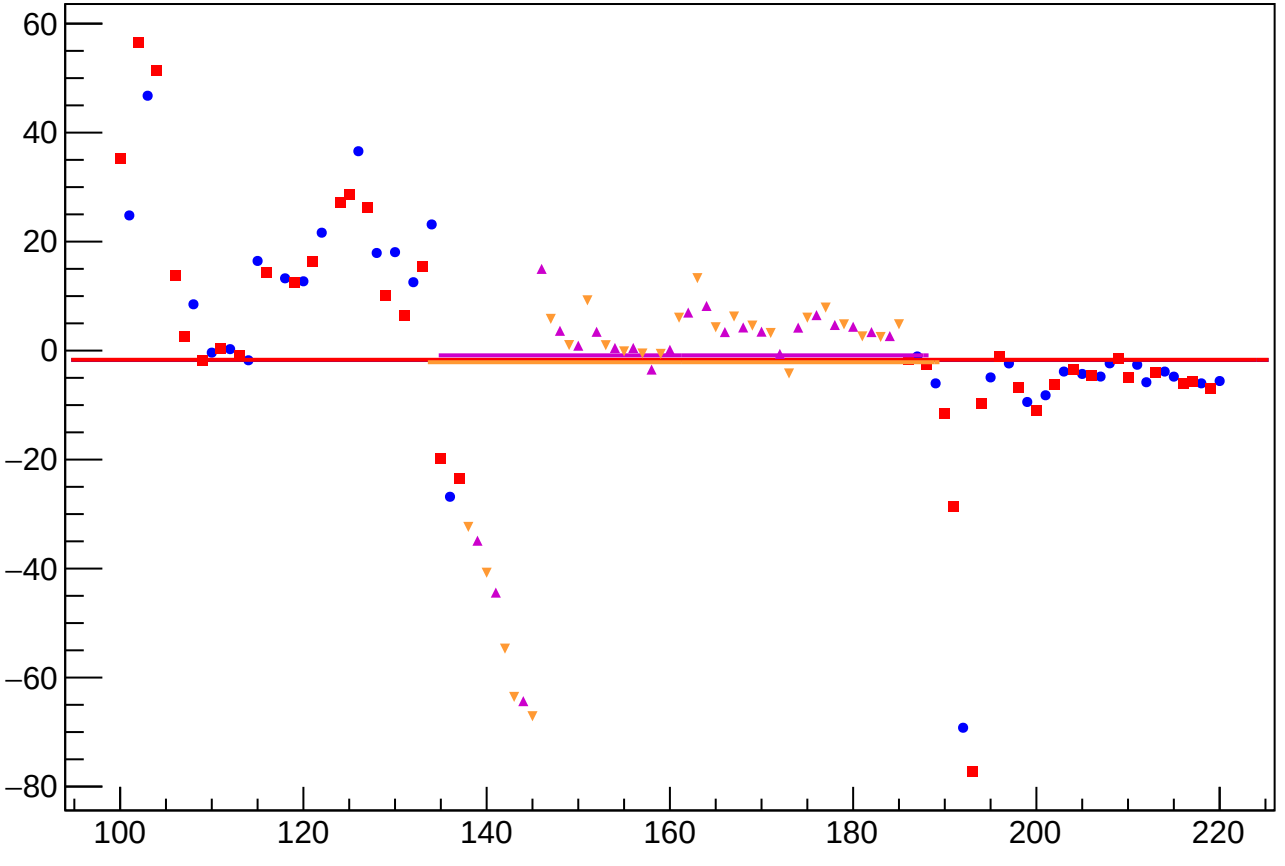
Right: 0.258+/-0.030 χ^2/NDF: 11574.1/69

In: 0.344+/-0.025 χ^2/NDF:13323.2/55

Out: 0.291+/-0.026 χ^2/NDF:12417.6/61

All: 0.318+/-0.018 χ^2/NDF: 25742.9/117

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.727+/-0.035 χ^2/NDF: 121181.9/32

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.688+/-0.033 χ^2/NDF: 122018.1/36

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

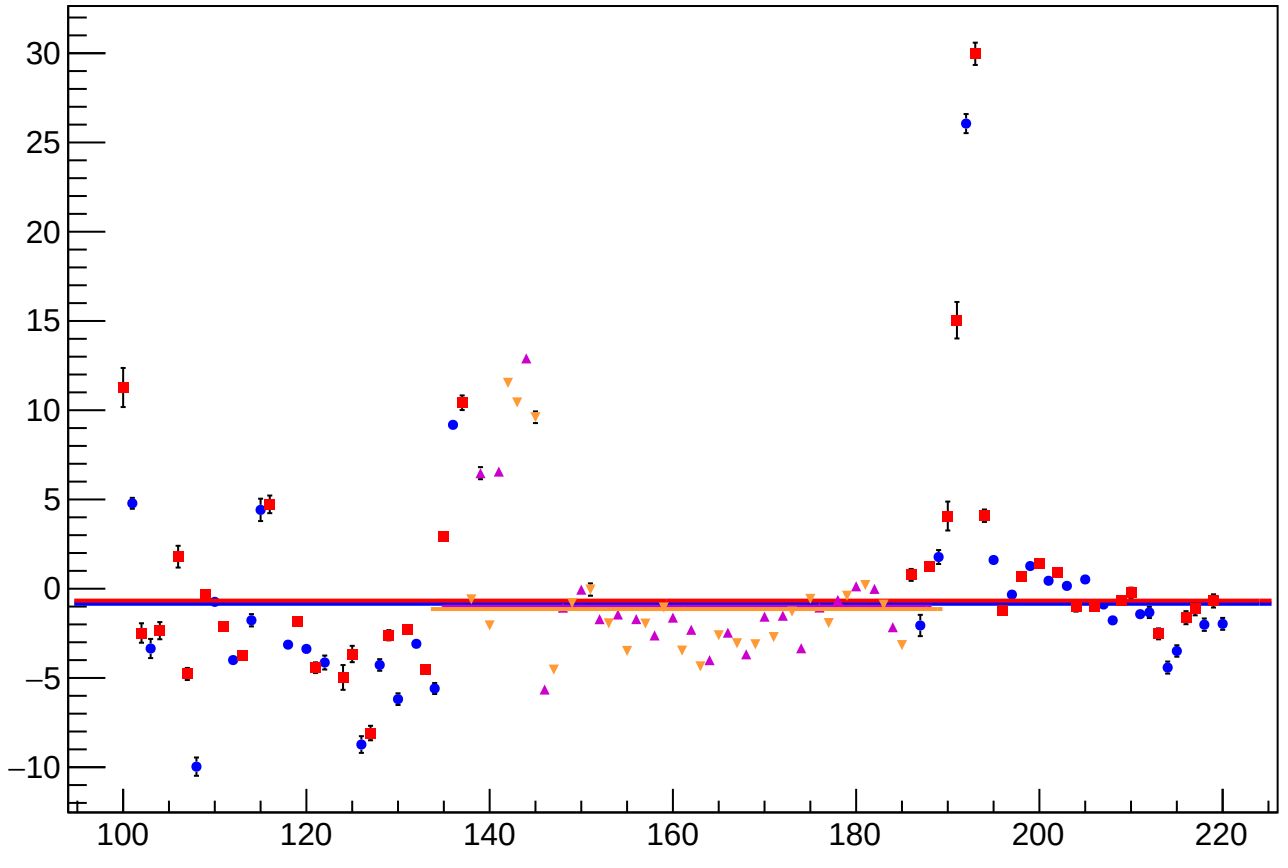
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.706+/-0.024 χ^2/NDF: 243200.7/69

In: -1.347+/-0.026 χ^2/NDF:250707.8/55

Out: -1.867+/-0.026 χ^2/NDF:293557.8/61

All: -1.614+/-0.018 χ^2/NDF: 544466.9/117



Right In: -0.843+/-0.050 χ^2/NDF: 7688.8/32

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.667+/-0.048 χ^2/NDF: 5820.3/36

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

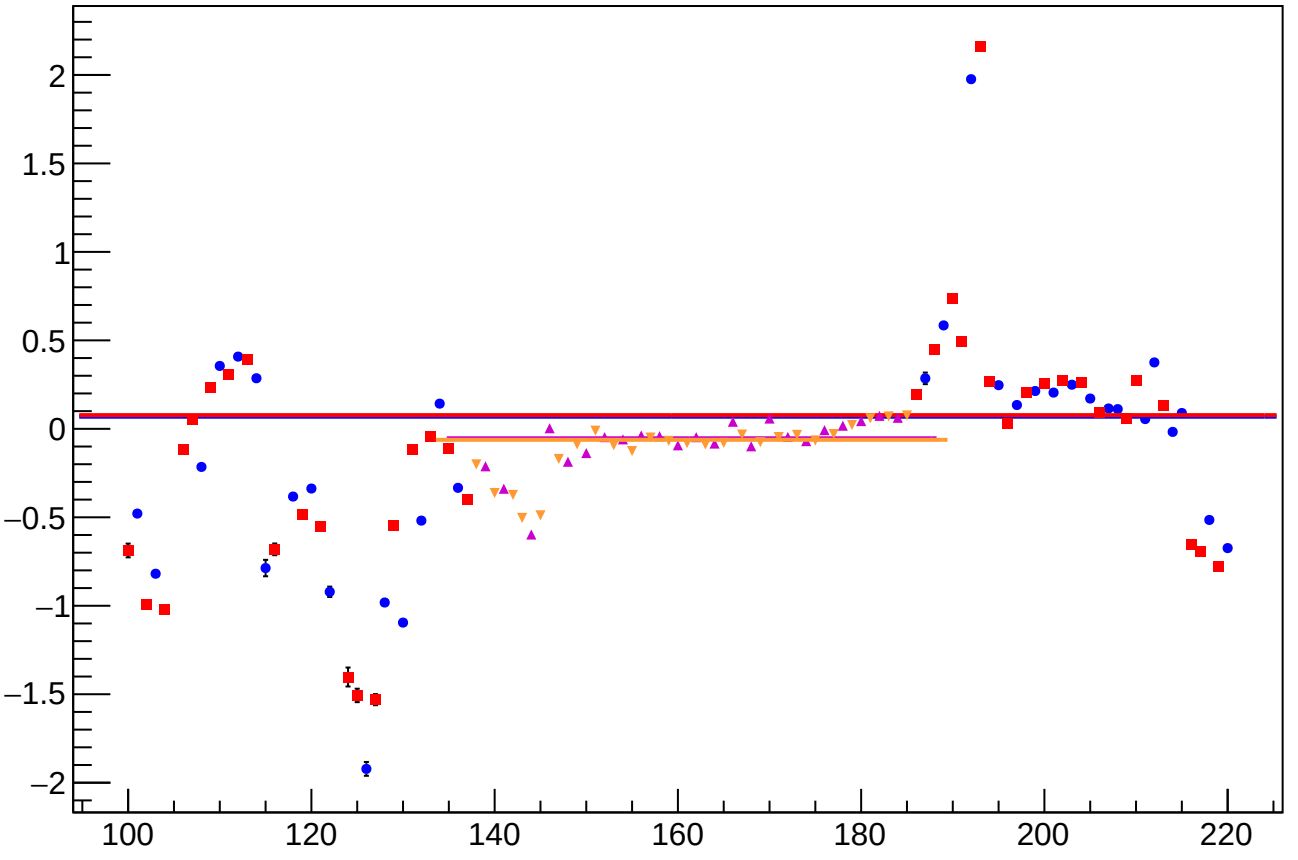
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.752+/-0.035 χ^2/NDF: 13515.5/69

In: -0.957+/-0.029 χ^2/NDF:14723.8/55

Out: -0.968+/-0.029 χ^2/NDF:12904.8/61

All: -0.962+/-0.020 χ^2/NDF: 27628.7/117



Right In: 0.068+/-0.002 χ^2/NDF: 36978.8/32

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.078+/-0.002 χ^2/NDF: 39253.3/36

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

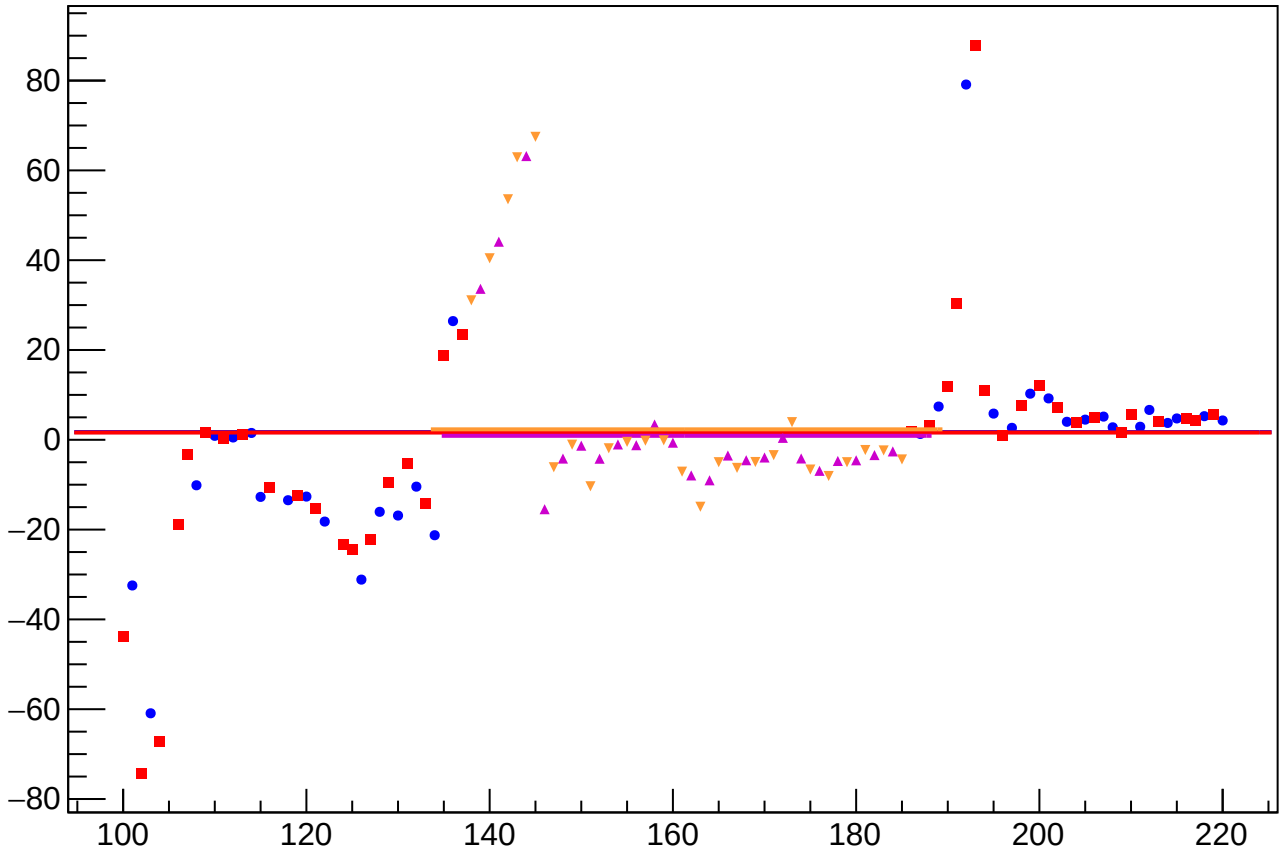
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.073+/-0.002 χ^2/NDF: 76240.4/69

In: -0.016+/-0.001 χ^2/NDF:44005.0/55

Out: -0.015+/-0.001 χ^2/NDF:47617.7/61

All: -0.015+/-0.001 χ^2/NDF: 91623.2/117



Right In: 1.719+/-0.034 χ^2/NDF: 120764.2/32

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.619+/-0.032 χ^2/NDF: 121854.7/36

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

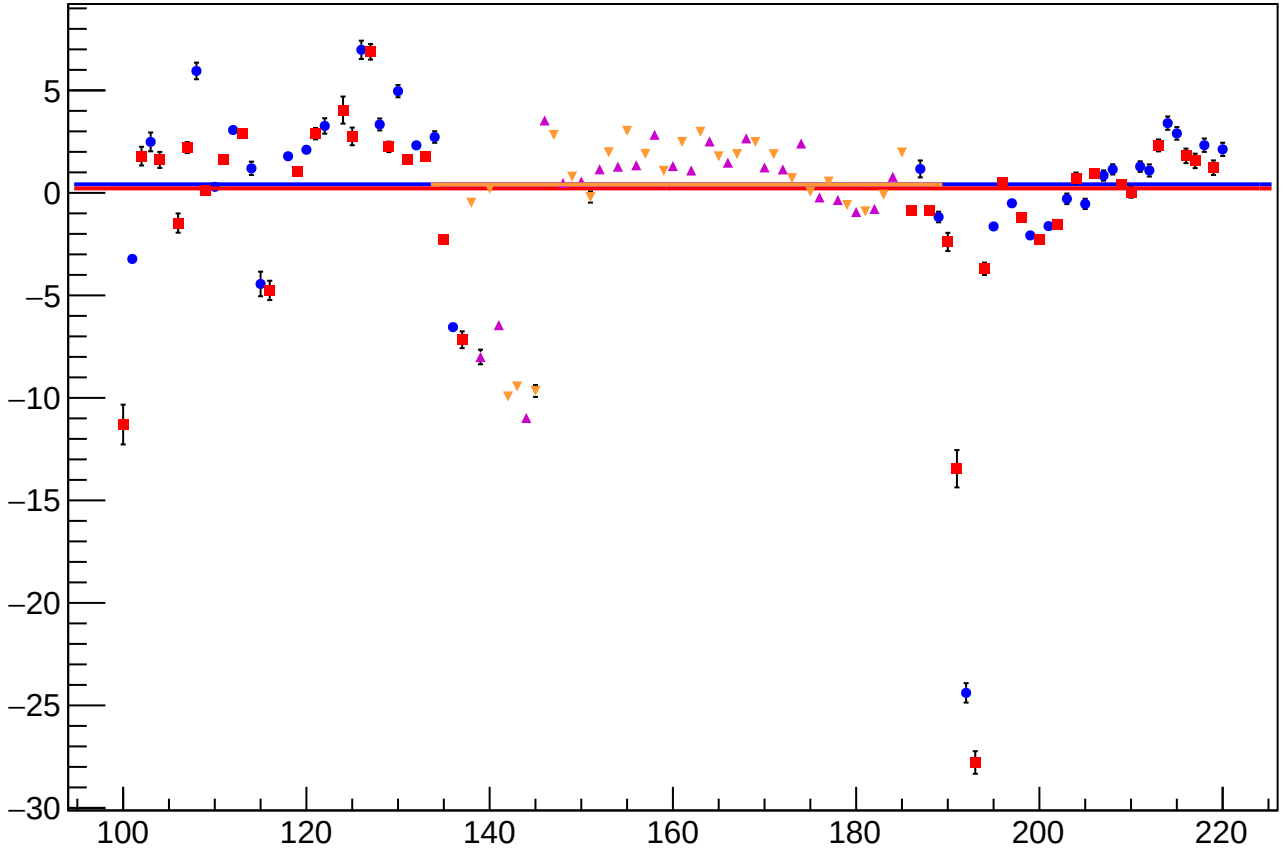
Right: 1.665+/-0.023 χ^2/NDF: 242623.6/69

In: 1.376+/-0.026 χ^2/NDF:251426.5/55

Out: 1.884+/-0.025 χ^2/NDF:296689.7/61

All: 1.641+/-0.018 χ^2/NDF: 548312.1/117

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.416+/-0.044 χ^2/NDF: 6066.3/32

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.218+/-0.042 χ^2/NDF: 5160.1/36

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

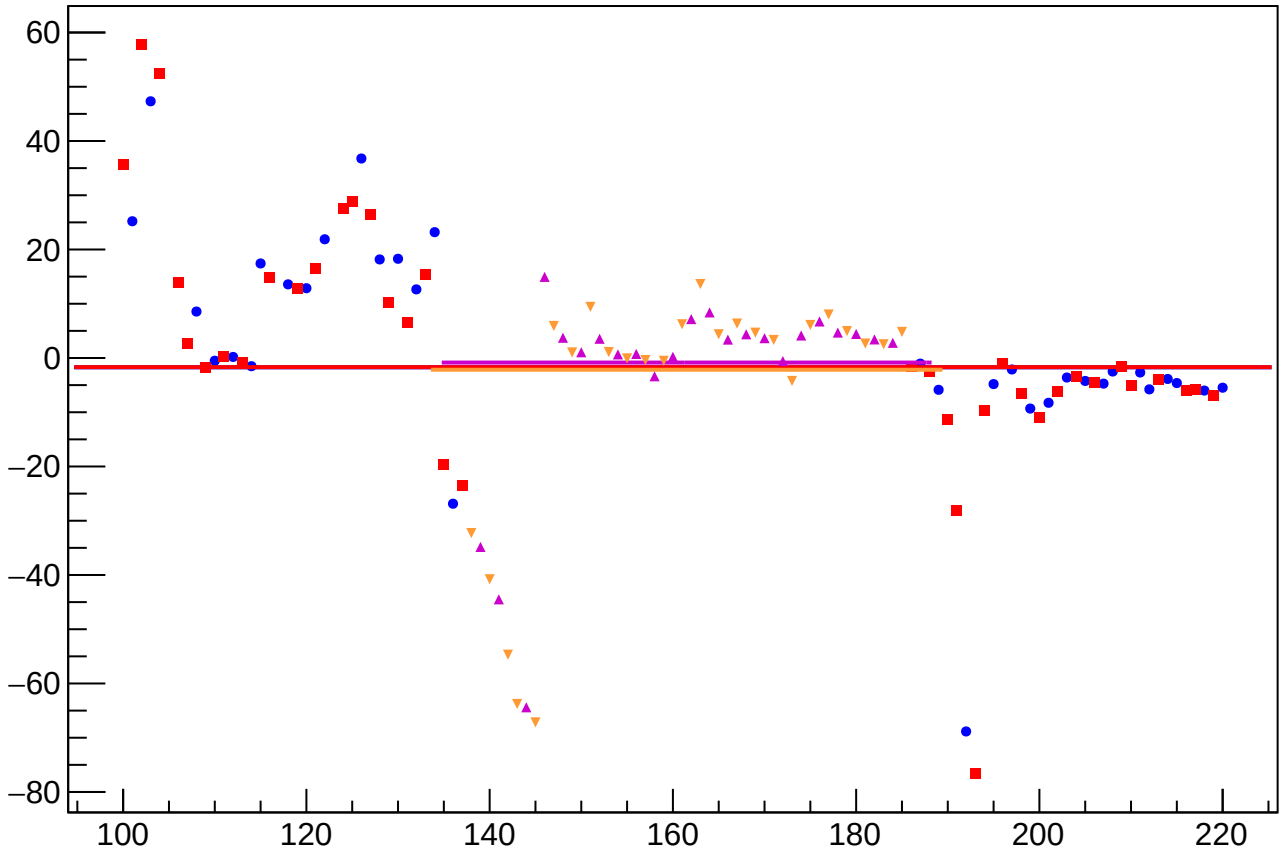
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.313+/-0.031 χ^2/NDF: 11236.9/69

In: 0.403+/-0.026 χ^2/NDF:12998.4/55

Out: 0.336+/-0.026 χ^2/NDF:12220.7/61

All: 0.370+/-0.018 χ^2/NDF: 25222.3/117



Right In: -1.721+/-0.036 χ^2/NDF: 119301.9/32

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.689+/-0.033 χ^2/NDF: 120359.4/36

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

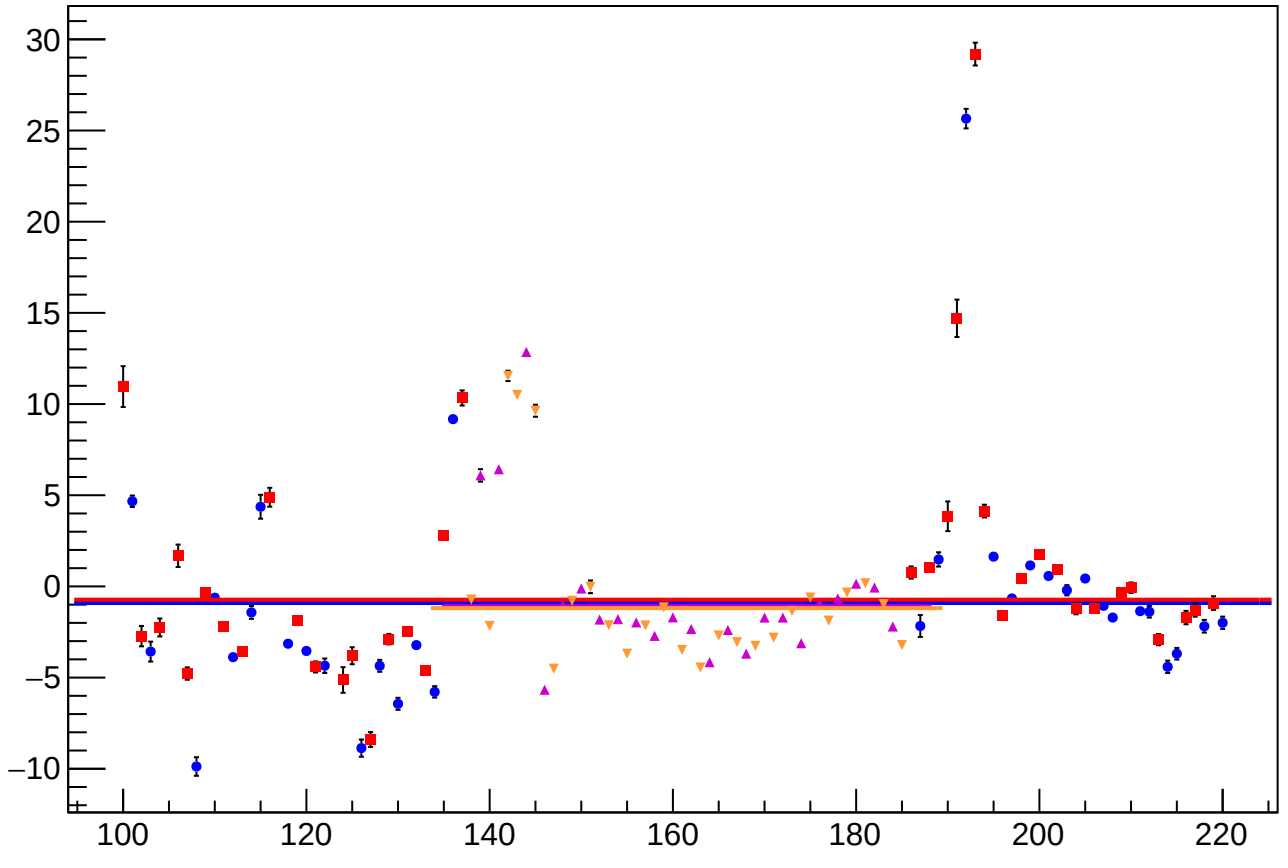
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.704+/-0.024 χ^2/NDF: 239661.7/69

In: -1.335+/-0.027 χ^2/NDF:246705.3/55

Out: -1.878+/-0.026 χ^2/NDF:289429.7/61

All: -1.614+/-0.019 χ^2/NDF: 536348.5/117



Right In: -0.911+/-0.050 χ^2/NDF: 7524.4/32

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.728+/-0.049 χ^2/NDF: 5654.3/36

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

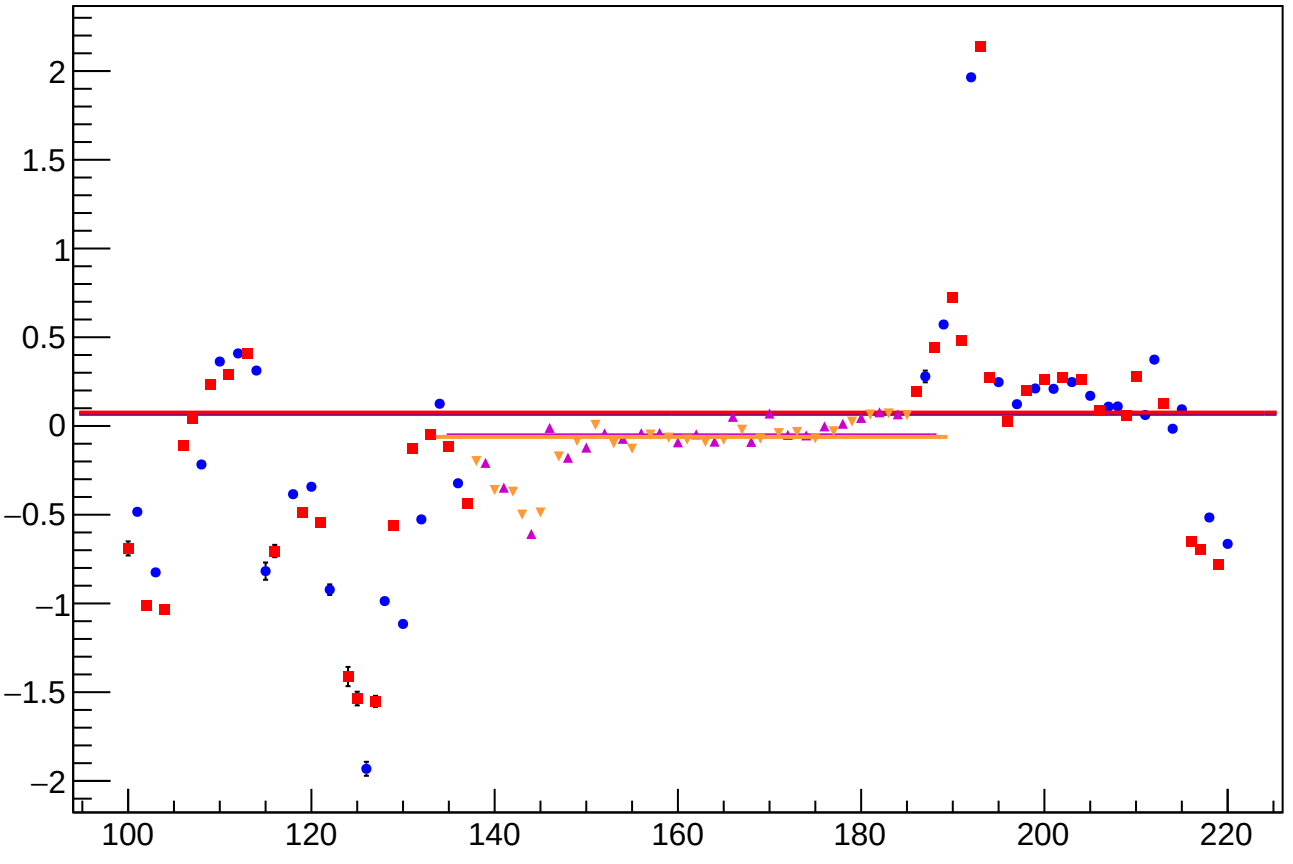
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.816+/-0.035 χ^2/NDF: 13185.5/69

In: -1.030+/-0.029 χ^2/NDF:14373.5/55

Out: -1.021+/-0.029 χ^2/NDF:12707.5/61

All: -1.025+/-0.021 χ^2/NDF: 27081.1/117



Right In: 0.069+/-0.002 χ^2/NDF: 36183.9/32

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.075+/-0.002 χ^2/NDF: 38748.8/36

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

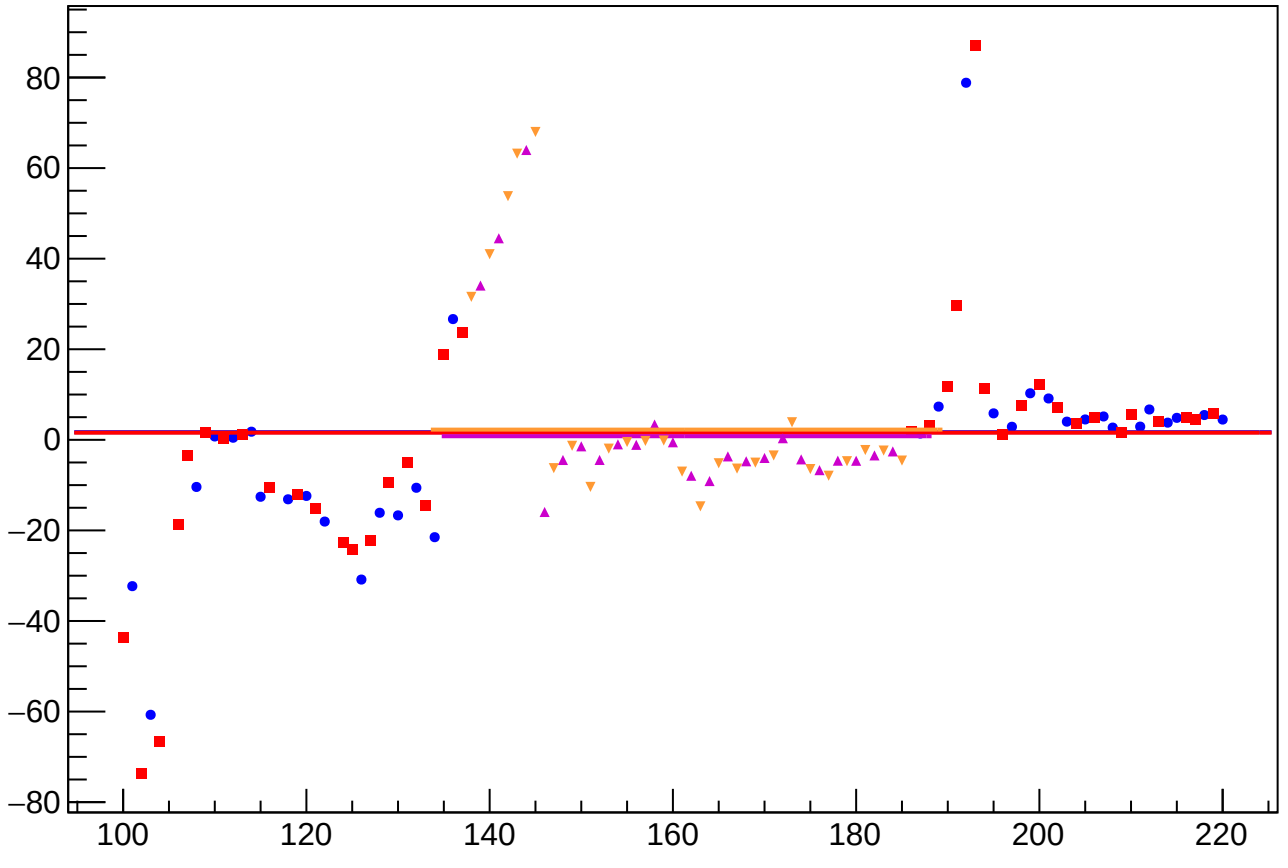
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.072+/-0.002 χ^2/NDF: 74936.9/69

In: -0.015+/-0.001 χ^2/NDF:43197.4/55

Out: -0.014+/-0.001 χ^2/NDF:46778.0/61

All: -0.015+/-0.001 χ^2/NDF: 89975.5/117



Right In: 1.687+/-0.035 χ^2/NDF: 119215.4/32

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.581+/-0.032 χ^2/NDF: 119775.9/36

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

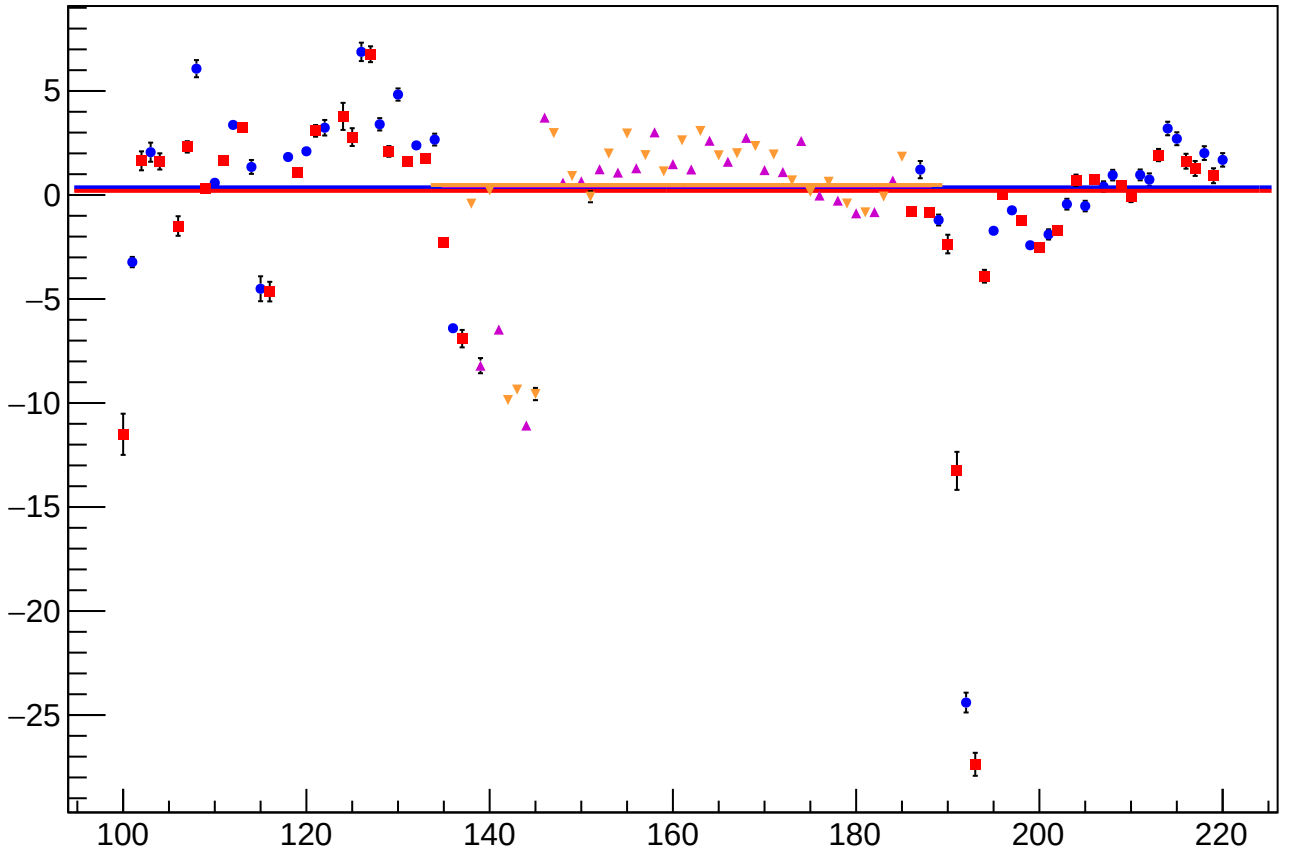
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.630+/-0.024 χ^2/NDF: 238996.4/69

In: 1.316+/-0.027 χ^2/NDF:248319.7/55

Out: 1.835+/-0.025 χ^2/NDF:291611.5/61

All: 1.586+/-0.018 χ^2/NDF: 540130.0/117



Right In: 0.366+/-0.045 χ^2/NDF: 5988.1/32

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.200+/-0.043 χ^2/NDF: 5042.5/36

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

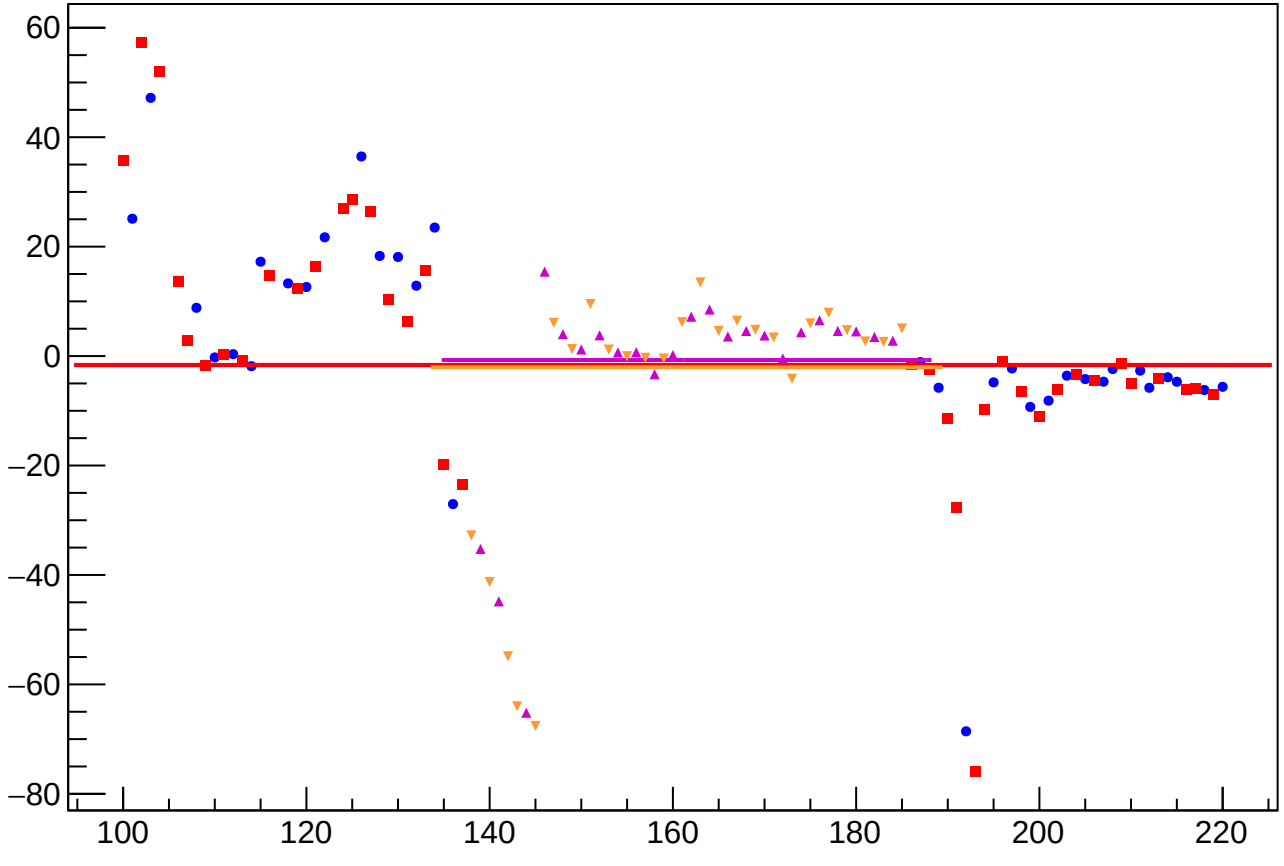
Right: 0.280+/-0.031 χ^2/NDF: 11037.9/69

In: 0.414+/-0.026 χ^2/NDF:12883.6/55

Out: 0.372+/-0.027 χ^2/NDF:11876.7/61

All: 0.393+/-0.019 χ^2/NDF: 24761.6/117

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.655+/-0.036 χ^2/NDF: 117718.6/32

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.612+/-0.034 χ^2/NDF: 118315.2/36

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

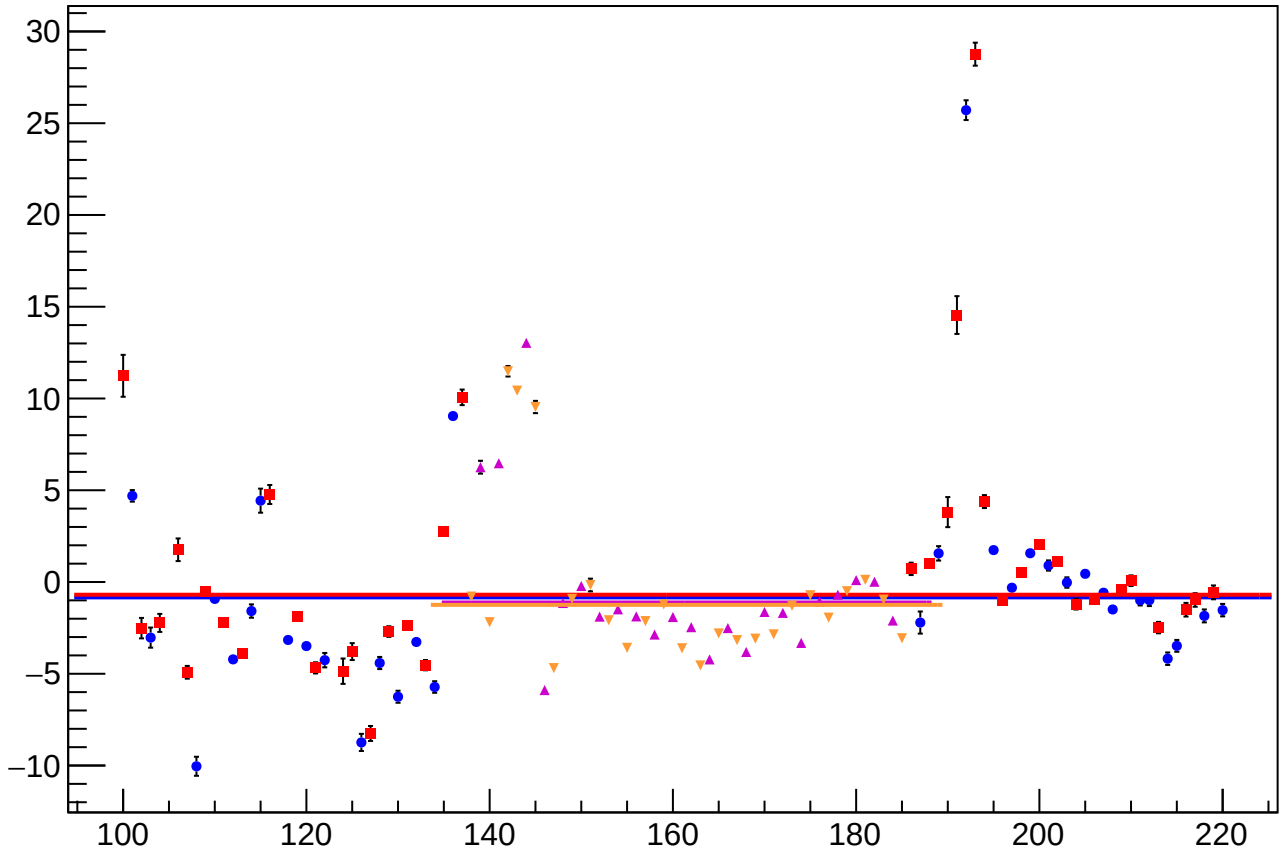
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -1.632+/-0.025 χ^2/NDF: 236034.5/69

In: -1.244+/-0.027 χ^2/NDF:243547.3/55

Out: -1.788+/-0.026 χ^2/NDF:284392.0/61

All: -1.523+/-0.019 χ^2/NDF: 528148.9/117



Right In: -0.837+/-0.051 χ^2/NDF: 7372.0/32

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.693+/-0.049 χ^2/NDF: 5503.2/36

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

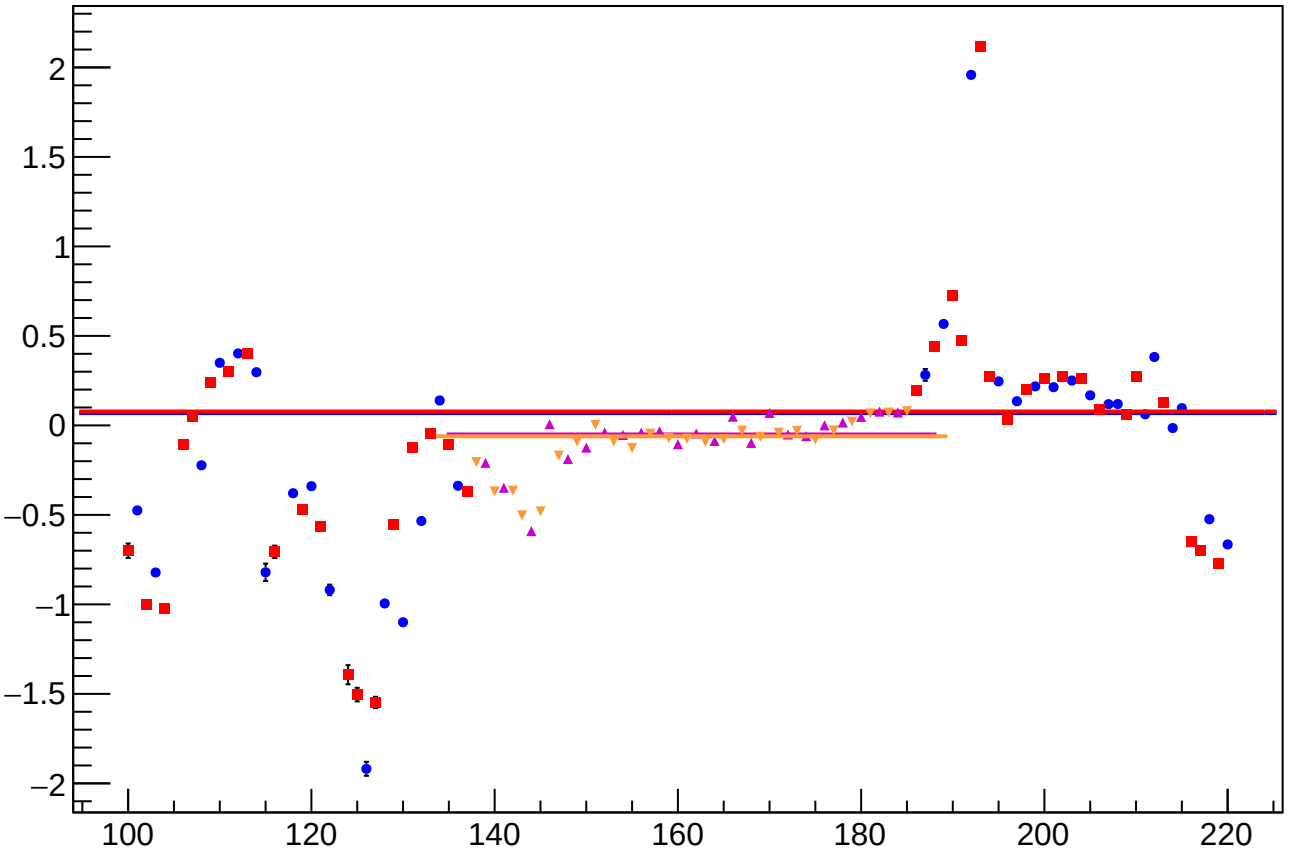
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.763+/-0.035 χ^2/NDF: 12879.3/69

In: -1.024+/-0.029 χ^2/NDF:14232.3/55

Out: -1.044+/-0.030 χ^2/NDF:12351.1/61

All: -1.034+/-0.021 χ^2/NDF: 26583.7/117



Right In: 0.069+/-0.002 χ^2/NDF: 35838.0/32

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.078+/-0.002 χ^2/NDF: 37738.9/36

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

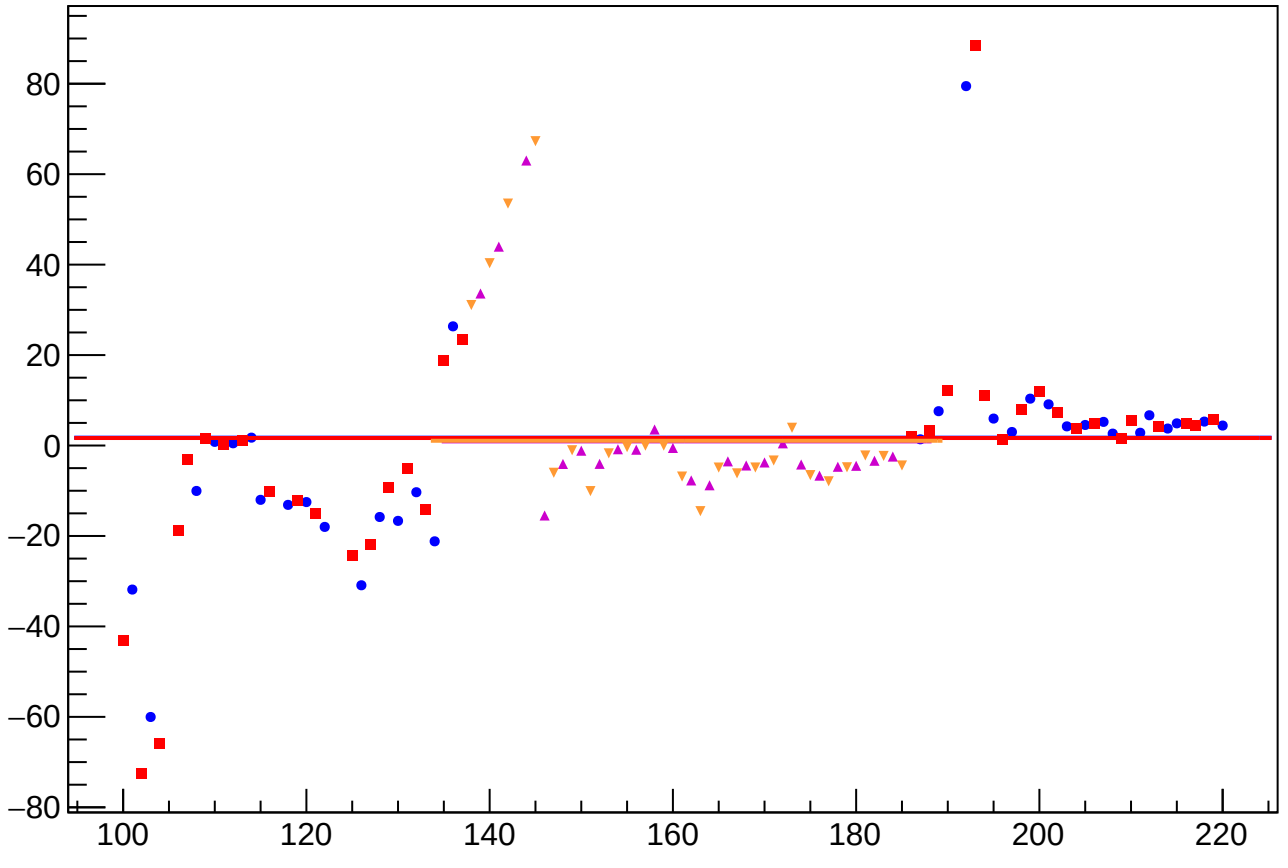
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.073+/-0.002 χ^2/NDF: 73584.1/69

In: -0.014+/-0.001 χ^2/NDF:42583.4/55

Out: -0.014+/-0.001 χ^2/NDF:45672.9/61

All: -0.014+/-0.001 χ^2/NDF: 88256.3/117



Right In: 1.739+/-0.034 χ^2/NDF: 122902.2/32

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 1.660+/-0.031 χ^2/NDF: 120792.2/34

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

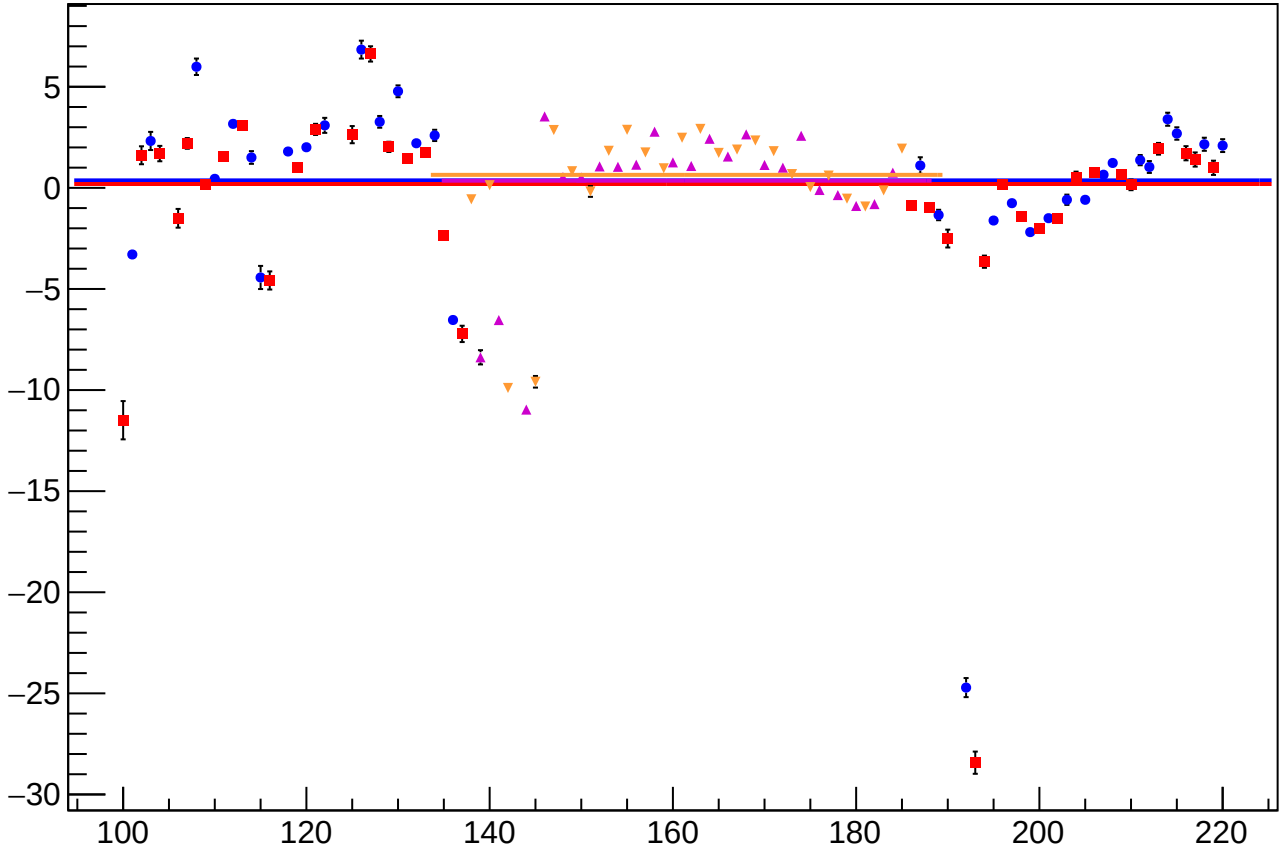
Right: 1.697+/-0.023 χ^2/NDF: 243697.4/67

In: 1.395+/-0.026 χ^2/NDF:255961.0/55

Out: 1.435+/-0.025 χ^2/NDF:251963.8/58

All: 1.415+/-0.018 χ^2/NDF: 507926.1/114

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.370+/-0.043 χ^2/NDF: 6240.8/32

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.192+/-0.042 χ^2/NDF: 5074.9/34

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

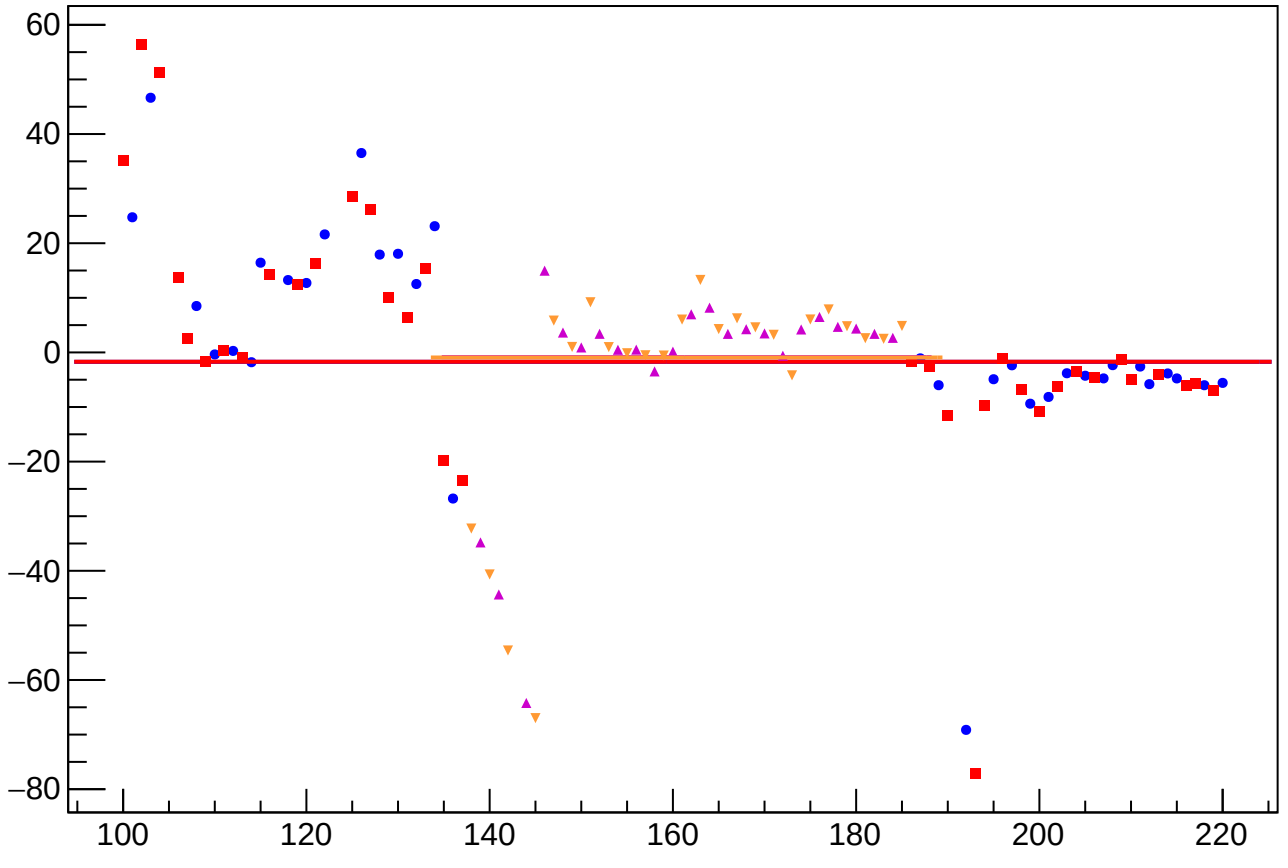
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.278+/-0.030 χ^2/NDF: 11324.6/67

In: 0.360+/-0.025 χ^2/NDF:13357.9/55

Out: 0.469+/-0.026 χ^2/NDF:9857.8/58

All: 0.413+/-0.018 χ^2/NDF: 23224.6/114



Right In: -1.729+/-0.035 χ^2/NDF: 121392.0/32

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -1.706+/-0.033 χ^2/NDF: 119416.3/34

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

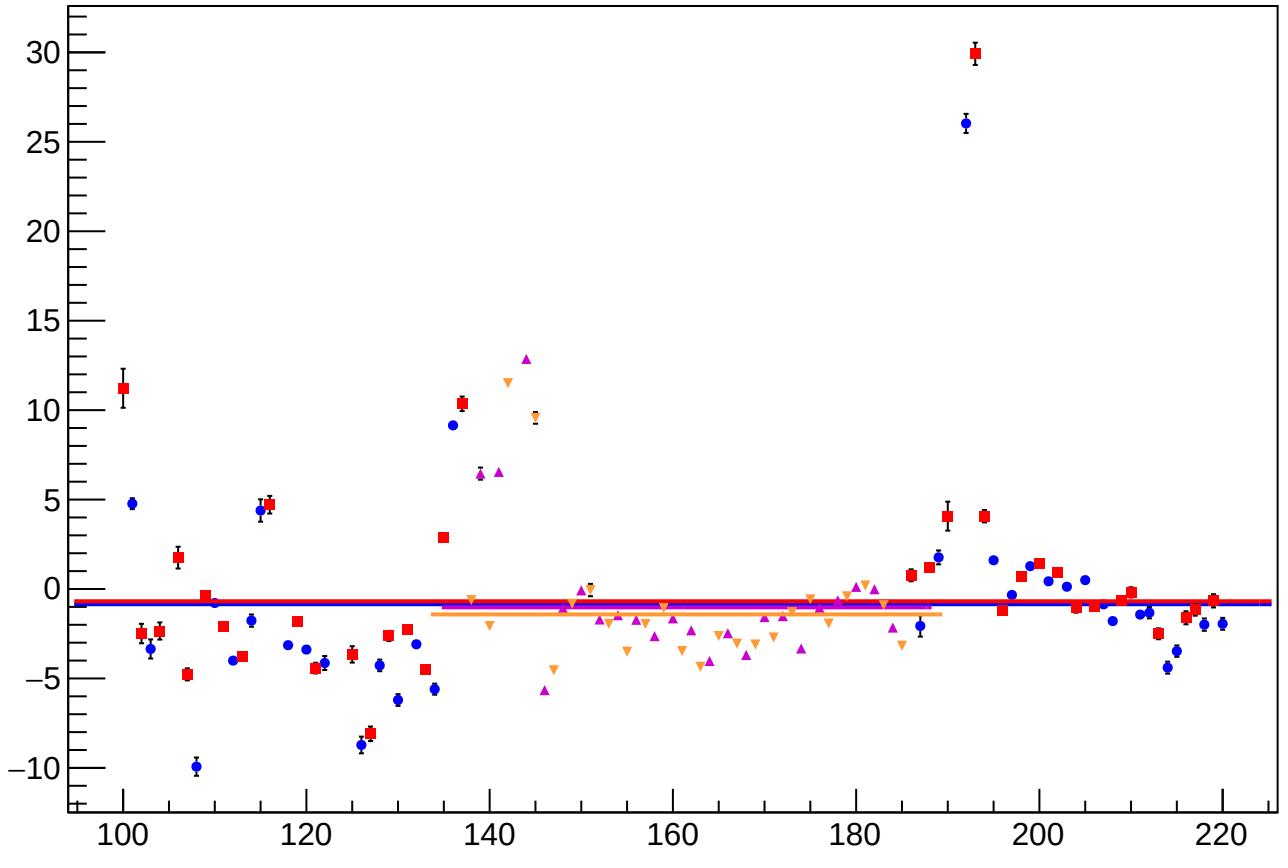
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -1.717+/-0.024 χ^2/NDF: 240808.5/67

In: -1.344+/-0.026 χ^2/NDF:251149.5/55

Out: -1.396+/-0.026 χ^2/NDF:246015.8/58

All: -1.370+/-0.018 χ^2/NDF: 497167.4/114



Right In: -0.850+/-0.050 χ^2/NDF: 7702.9/32

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.685+/-0.048 χ^2/NDF: 5553.3/34

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

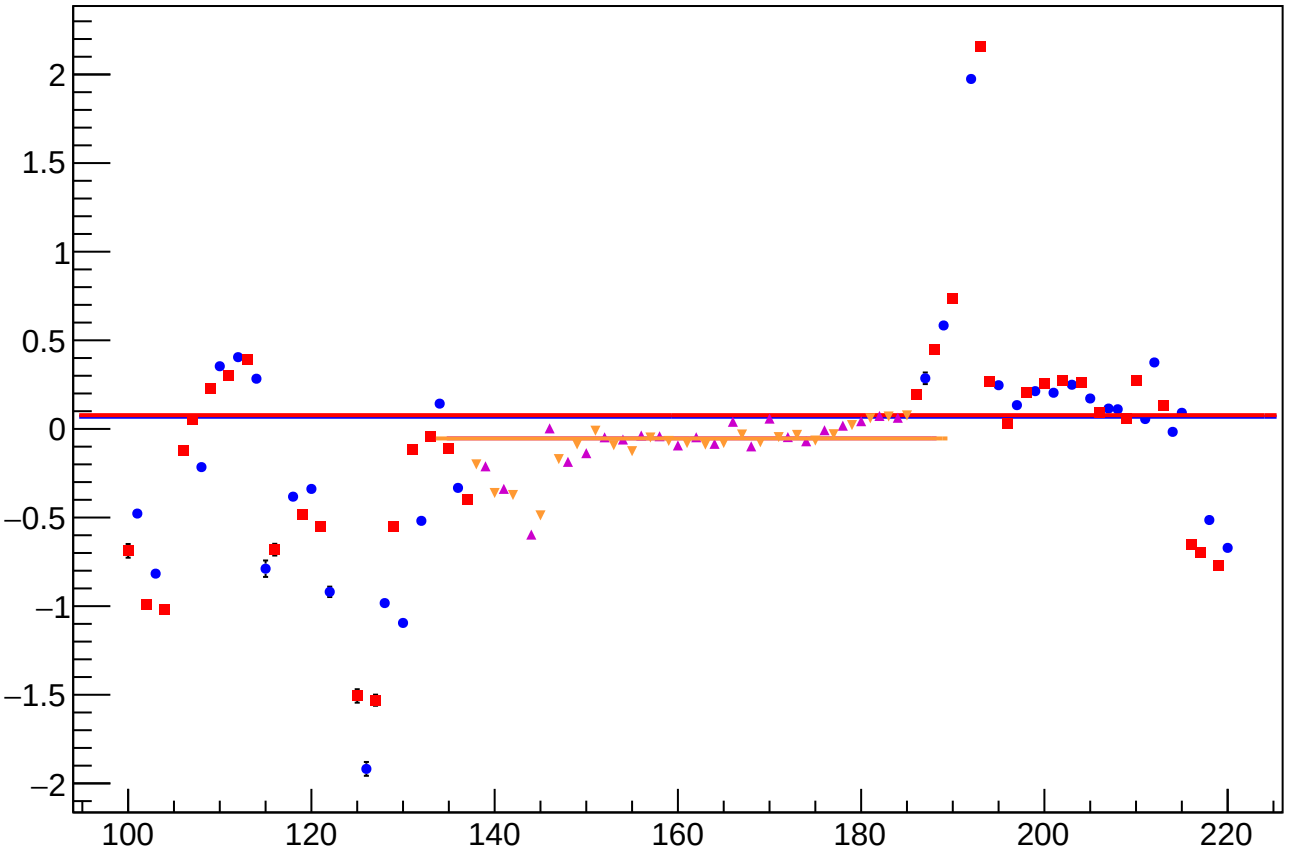
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -0.765+/-0.034 χ^2/NDF: 13261.9/67

In: -0.968+/-0.028 χ^2/NDF:14758.5/55

Out: -1.150+/-0.029 χ^2/NDF:10343.3/58

All: -1.057+/-0.020 χ^2/NDF: 25121.8/114



Right In: 0.069+/-0.002 χ^2/NDF: 37046.8/32

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.078+/-0.002 χ^2/NDF: 38362.7/34

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

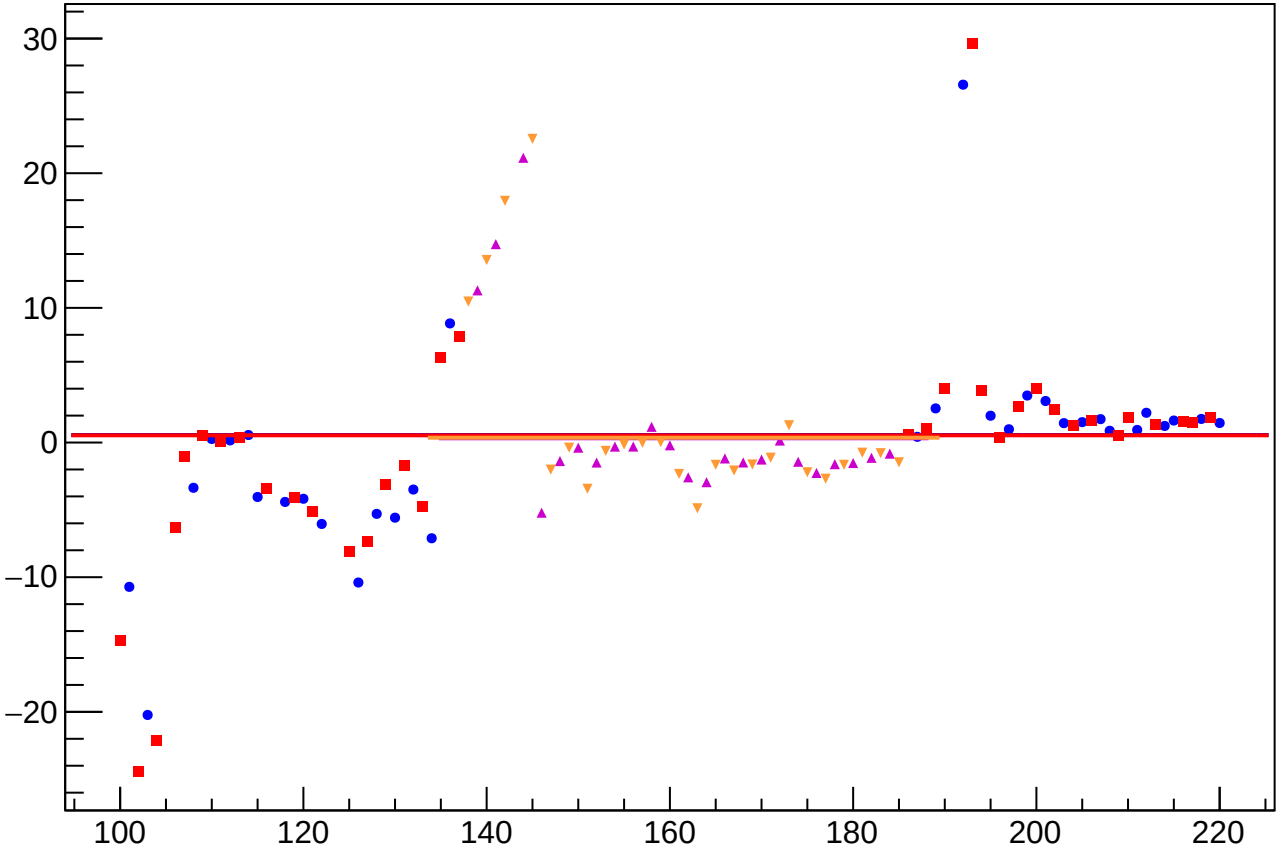
Right: 0.073+/-0.002 χ^2/NDF: 75417.6/67

In: -0.016+/-0.001 χ^2/NDF:44110.1/55

Out: -0.009+/-0.001 χ^2/NDF:45021.9/58

All: -0.012+/-0.001 χ^2/NDF: 89147.2/114

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.559+/-0.012 χ^2/NDF: 120763.2/32

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.537+/-0.011 χ^2/NDF: 118850.6/34

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

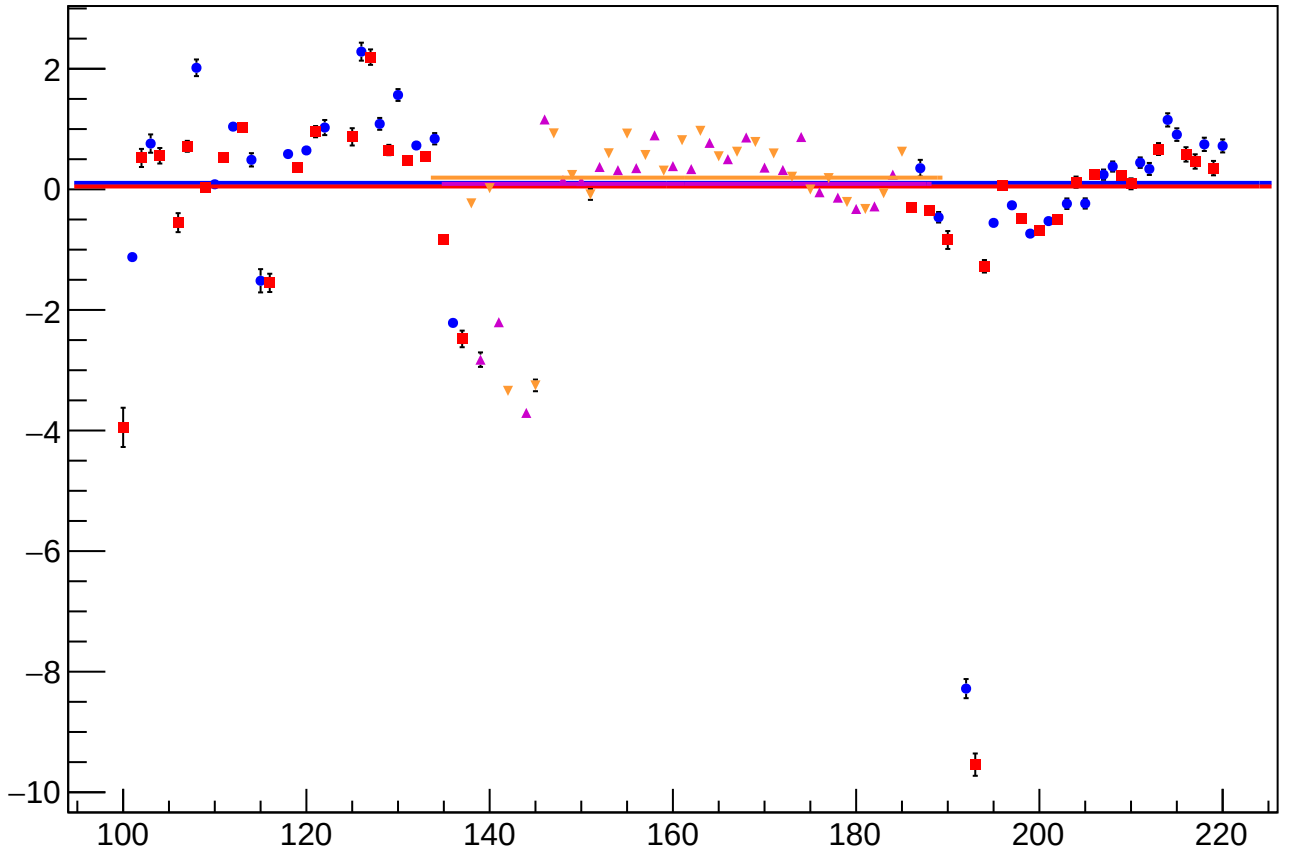
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.547+/-0.008 χ^2/NDF: 239615.9/67

In: 0.458+/-0.009 χ^2/NDF:251170.6/55

Out: 0.470+/-0.008 χ^2/NDF:247783.3/58

All: 0.464+/-0.006 χ^2/NDF: 498954.8/114



Right In: 0.107+/-0.015 χ^2/NDF: 6124.4/32

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.048+/-0.014 χ^2/NDF: 4989.1/34

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

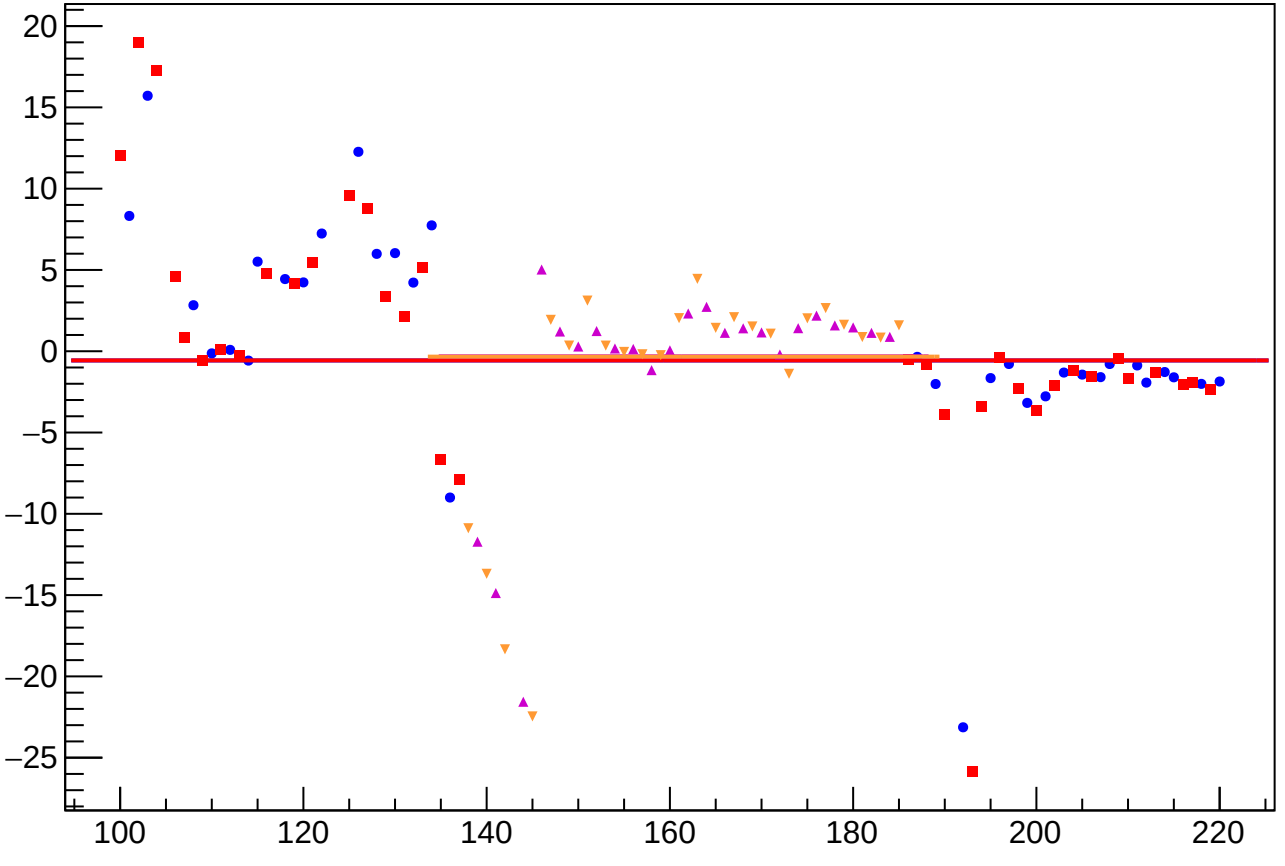
Right: 0.076+/-0.010 χ^2/NDF: 11121.9/67

In: 0.097+/-0.009 χ^2/NDF:13061.6/55

Out: 0.138+/-0.009 χ^2/NDF:9698.8/58

All: 0.117+/-0.006 χ^2/NDF: 22771.3/114

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.569+/-0.012 χ^2/NDF: 119307.7/32

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.563+/-0.011 χ^2/NDF: 117537.4/34

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

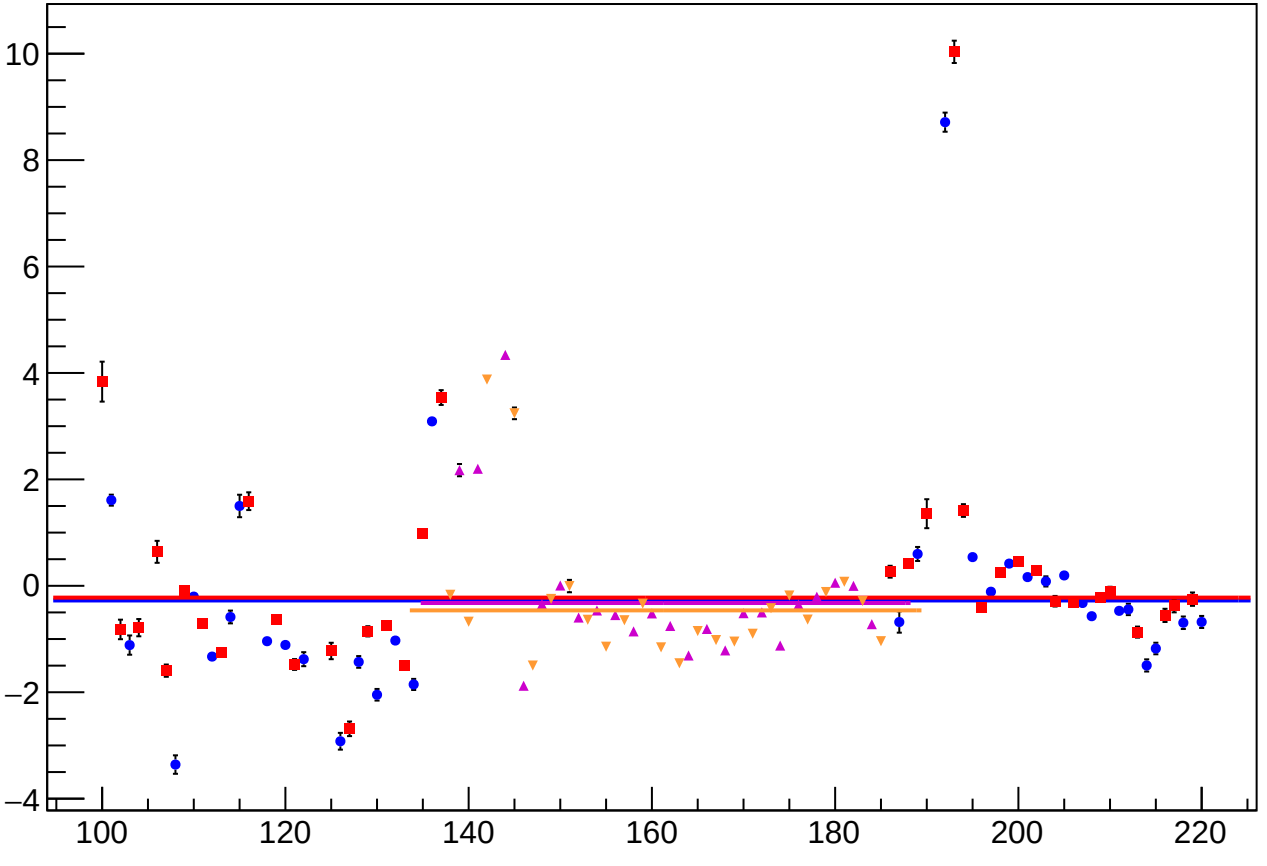
Right: -0.566+/-0.008 χ^2/NDF: 236845.3/67

In: -0.456+/-0.009 χ^2/NDF:246507.2/55

Out: -0.471+/-0.009 χ^2/NDF:241937.0/58

All: -0.463+/-0.006 χ^2/NDF: 488445.7/114

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.275+/-0.017 χ^2/NDF: 7555.5/32

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.222+/-0.016 χ^2/NDF: 5460.5/34

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

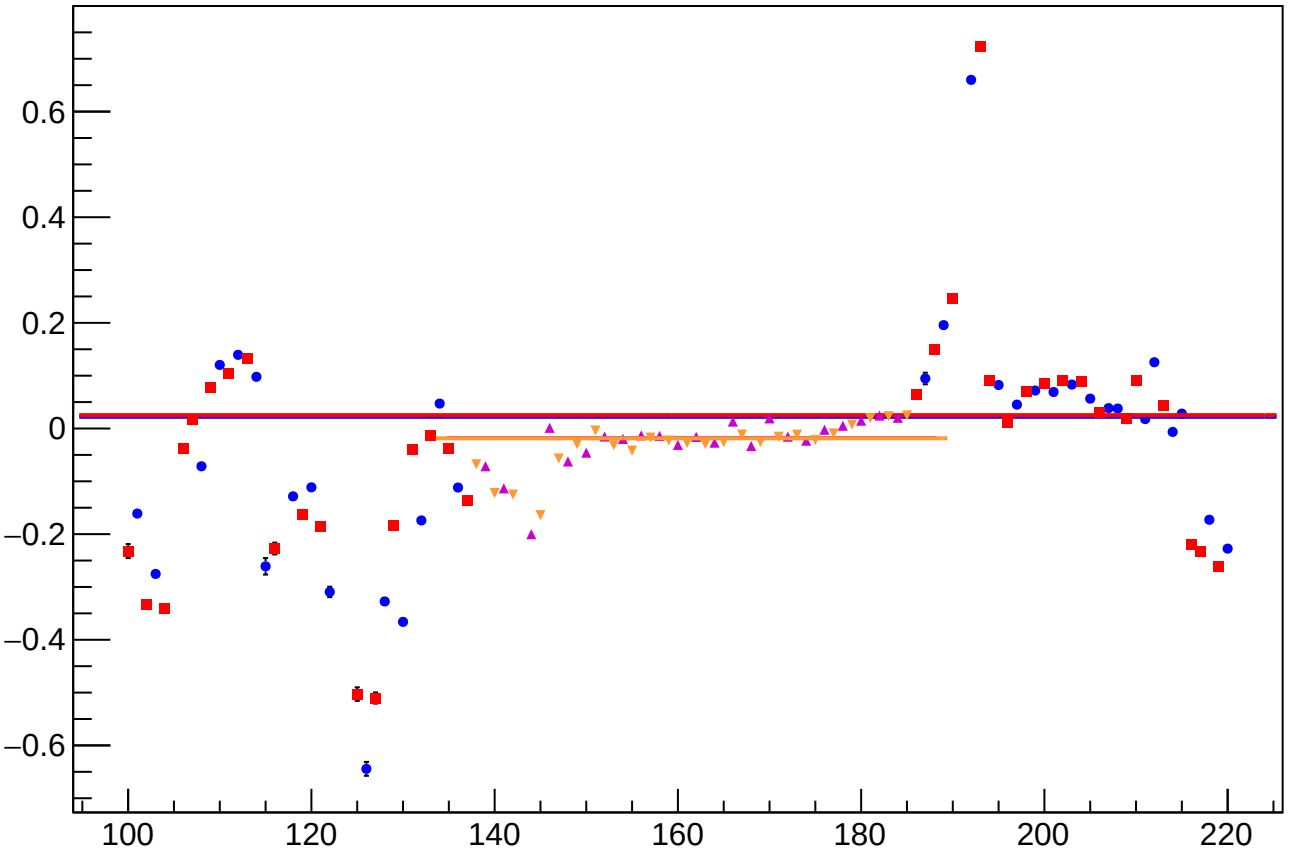
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.248+/-0.012 χ^2/NDF: 13021.1/67

In: -0.307+/-0.010 χ^2/NDF:14442.6/55

Out: -0.374+/-0.010 χ^2/NDF:10174.5/58

All: -0.340+/-0.007 χ^2/NDF: 24639.9/114



Right In: 0.022+/-0.001 χ^2/NDF: 36396.6/32

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.025+/-0.001 χ^2/NDF: 37606.4/34

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

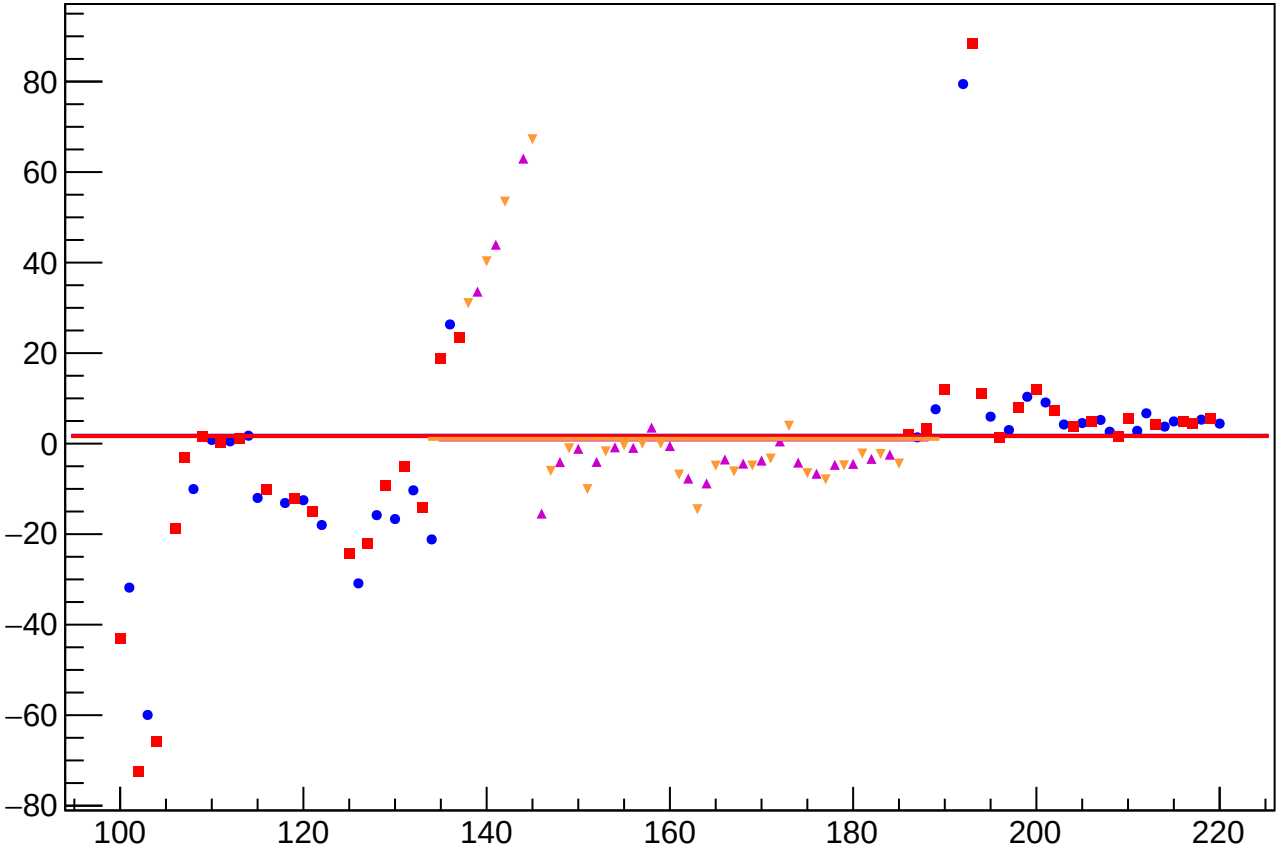
Right: 0.024+/-0.001 χ^2/NDF: 74011.5/67

In: -0.006+/-0.000 χ^2/NDF:43169.2/55

Out: -0.004+/-0.000 χ^2/NDF:44031.0/58

All: -0.005+/-0.000 χ^2/NDF: 87211.4/114

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.744+/-0.034 χ^2/NDF: 122929.2/32

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 1.665+/-0.031 χ^2/NDF: 120820.7/34

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

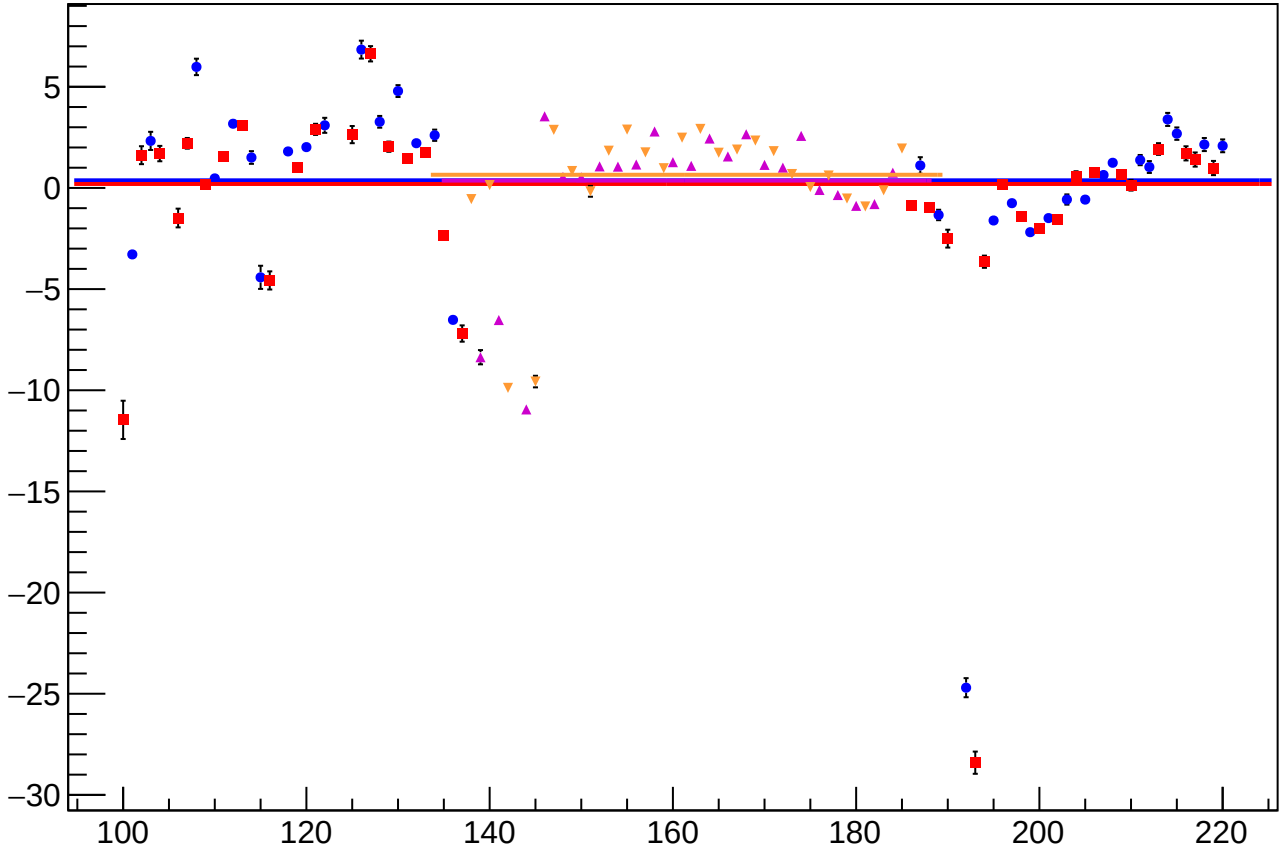
Right: 1.702+/-0.023 χ^2/NDF: 243752.9/67

In: 1.399+/-0.026 χ^2/NDF:255998.7/55

Out: 1.440+/-0.025 χ^2/NDF:251972.5/58

All: 1.420+/-0.018 χ^2/NDF: 507972.5/114

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.377+/-0.043 χ^2/NDF: 6242.4/32

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.197+/-0.042 χ^2/NDF: 5075.6/34

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

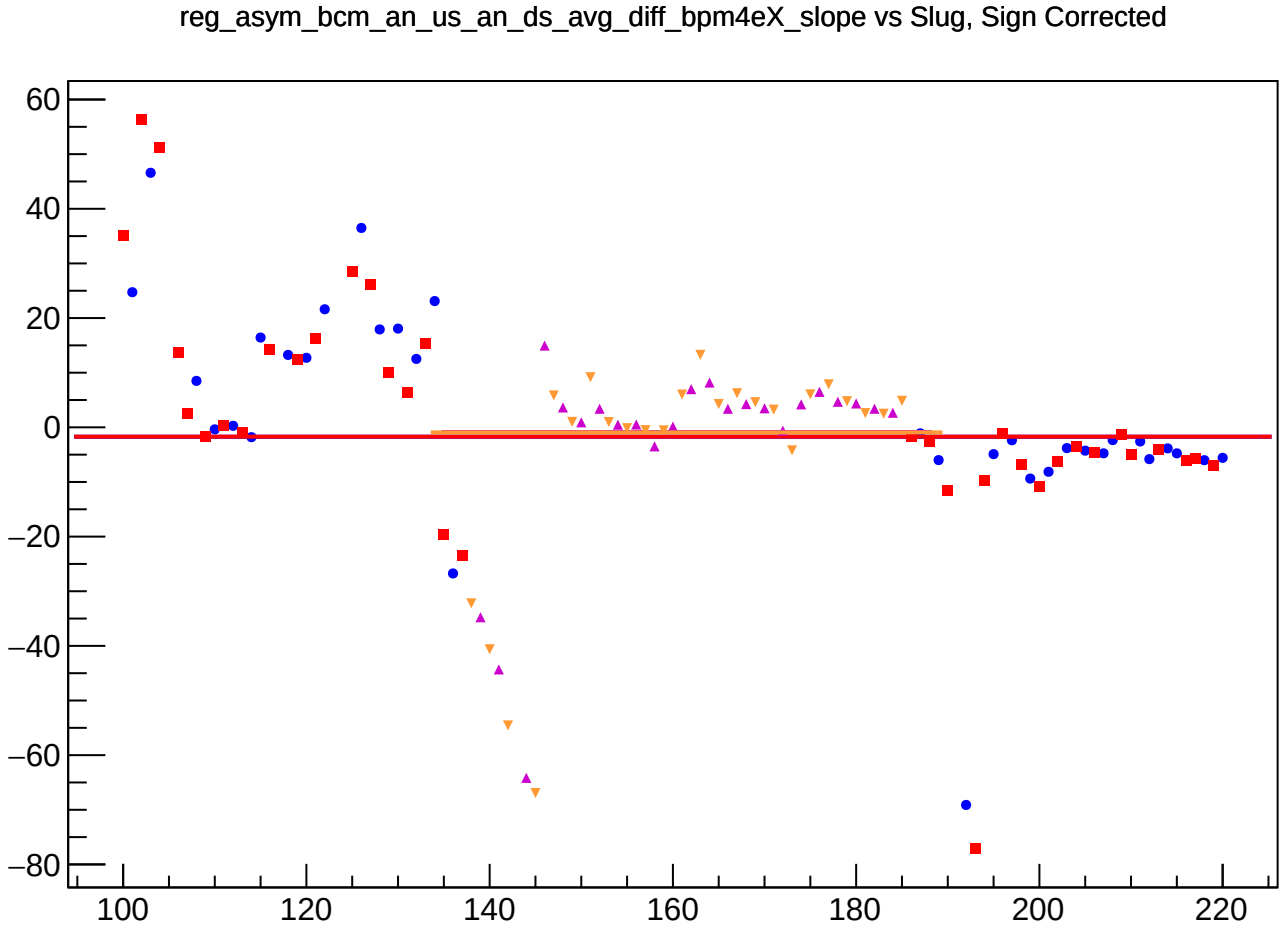
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.283+/-0.030 χ^2/NDF: 11326.9/67

In: 0.369+/-0.025 χ^2/NDF:13364.8/55

Out: 0.475+/-0.026 χ^2/NDF:9857.1/58

All: 0.421+/-0.018 χ^2/NDF: 23230.6/114



Right In: -1.729+/-0.035 χ^2/NDF: 121415.3/32

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -1.706+/-0.033 χ^2/NDF: 119439.3/34

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

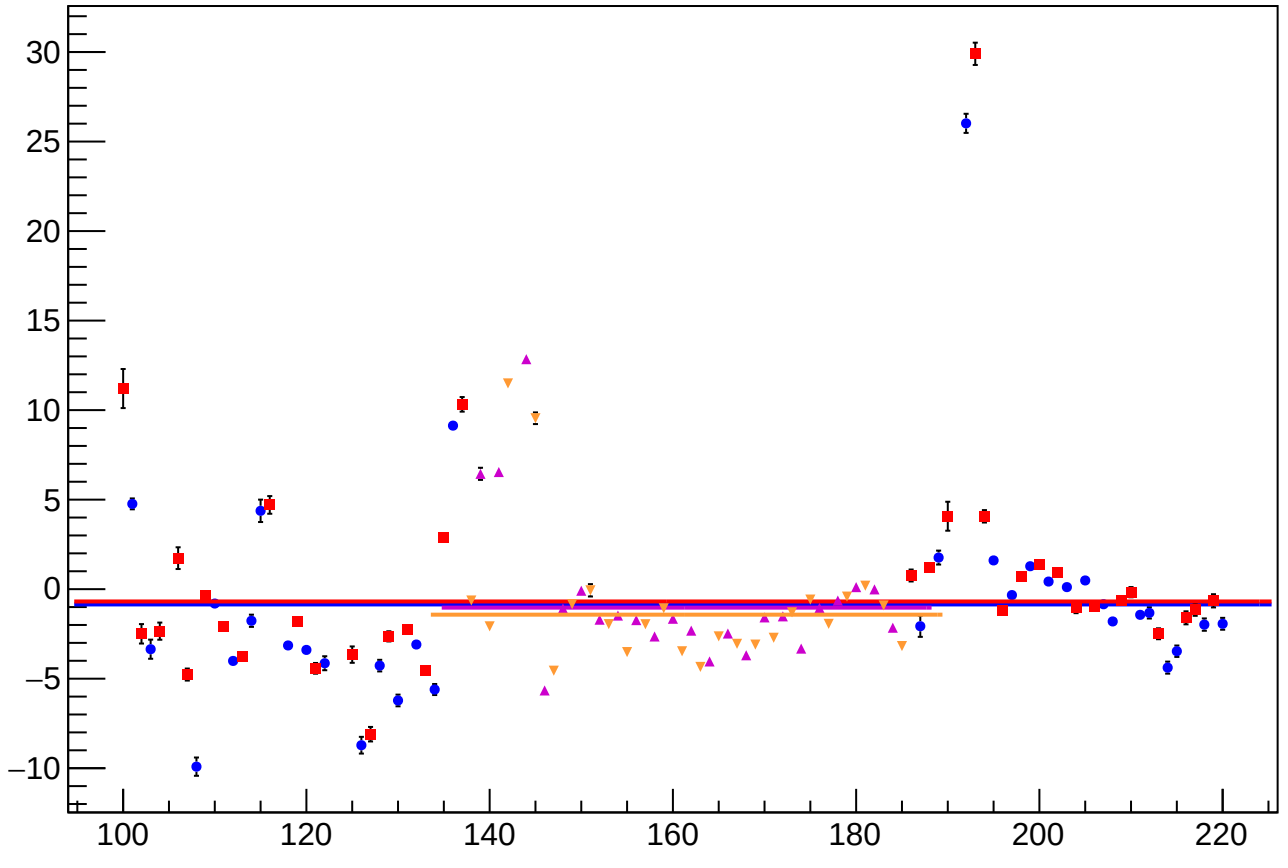
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -1.717+/-0.024 χ^2/NDF: 240854.8/67

In: -1.343+/-0.026 χ^2/NDF:251181.1/55

Out: -1.395+/-0.026 χ^2/NDF:246021.7/58

All: -1.369+/-0.018 χ^2/NDF: 497205.0/114



Right In: -0.853+/-0.050 χ^2/NDF: 7704.0/32

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.687+/-0.048 χ^2/NDF: 5553.0/34

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

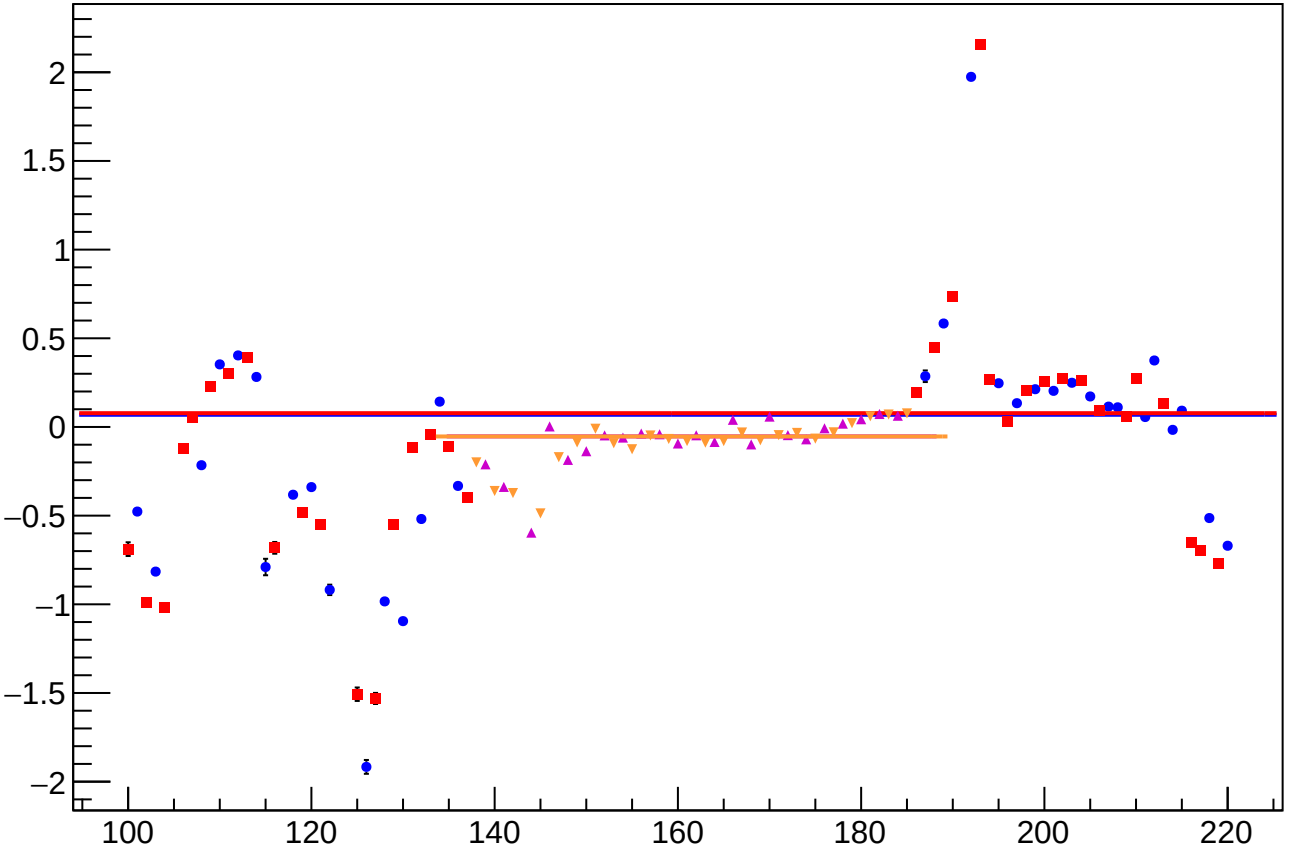
Right: -0.768+/-0.034 χ^2/NDF: 13262.9/67

In: -0.973+/-0.028 χ^2/NDF:14764.1/55

Out: -1.153+/-0.029 χ^2/NDF:10342.0/58

All: -1.061+/-0.020 χ^2/NDF: 25125.6/114

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.069+/-0.002 χ^2/NDF: 37055.9/32

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.078+/-0.002 χ^2/NDF: 38381.8/34

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

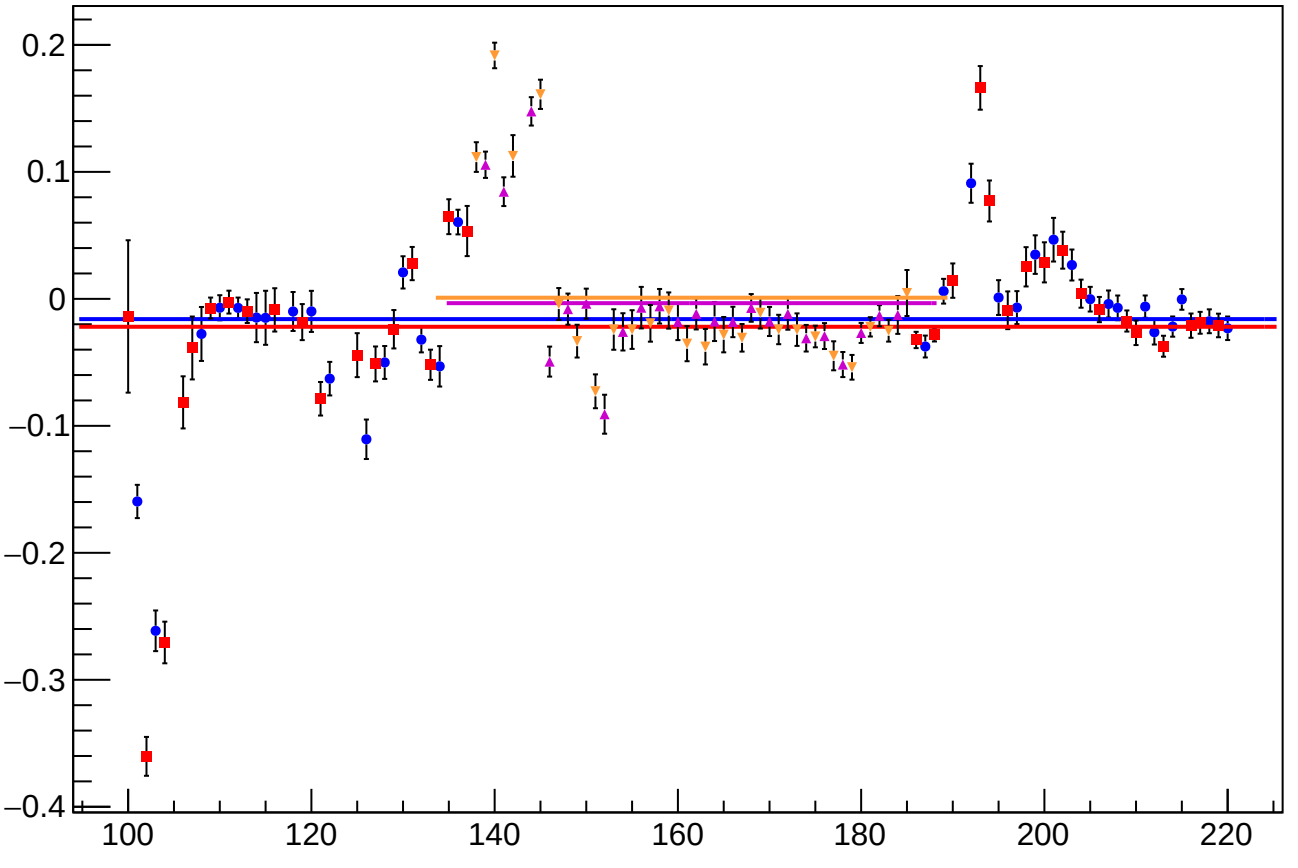
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.073+/-0.002 χ^2/NDF: 75445.9/67

In: -0.016+/-0.001 χ^2/NDF:44127.9/55

Out: -0.009+/-0.001 χ^2/NDF:45043.8/58

All: -0.012+/-0.001 χ^2/NDF: 89187.2/114



Right In: -0.016+/-0.002 χ^2/NDF: 602.8/32

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.022+/-0.002 χ^2/NDF: 1054.8/34

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

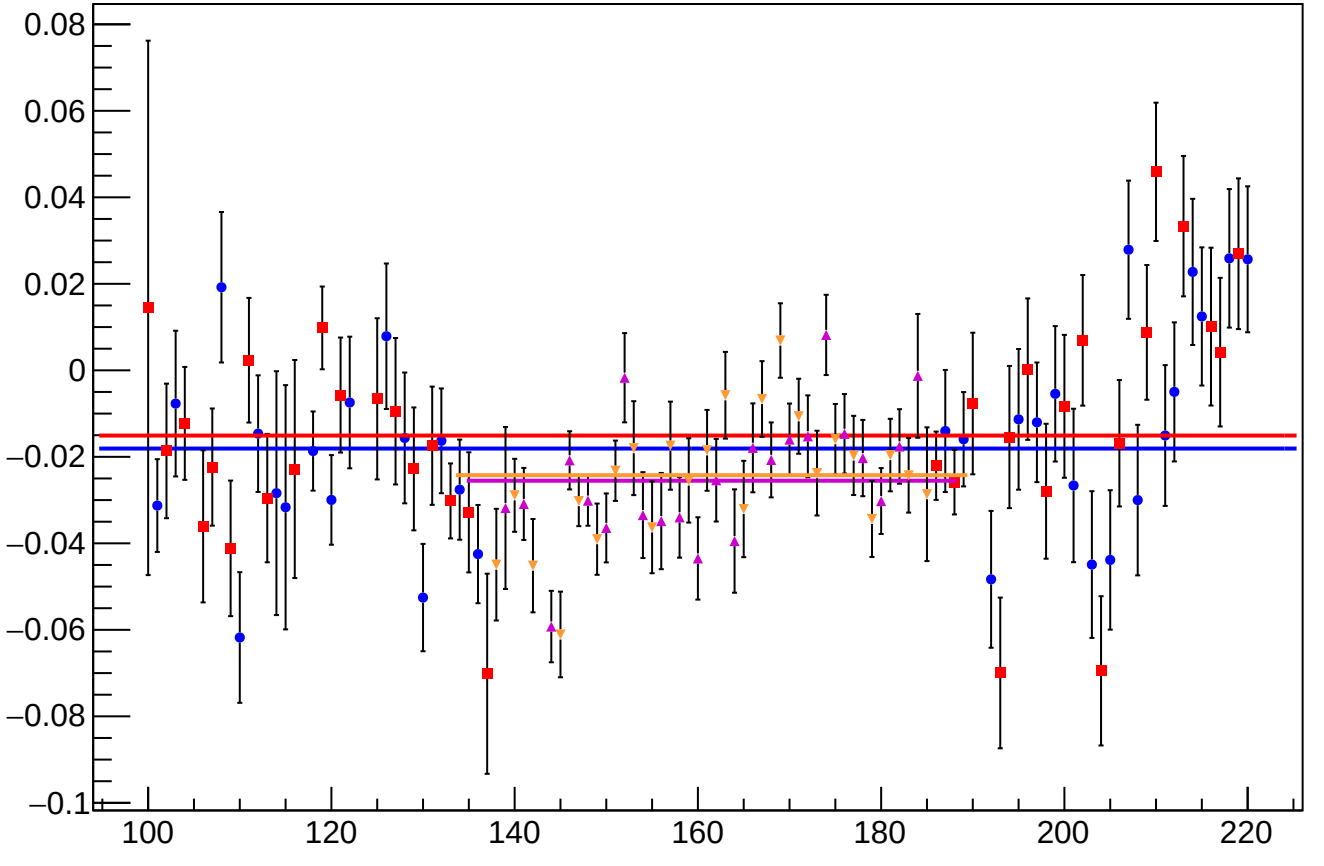
Right: -0.019+/-0.001 χ^2/NDF: 1662.5/67

In: -0.011+/-0.002 χ^2/NDF:1077.1/55

Out: -0.013+/-0.001 χ^2/NDF:1961.0/58

All: -0.012+/-0.001 χ^2/NDF: 3039.2/114

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.018+/-0.002 χ^2/NDF: 75.8/32

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.015+/-0.002 χ^2/NDF: 87.1/34

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

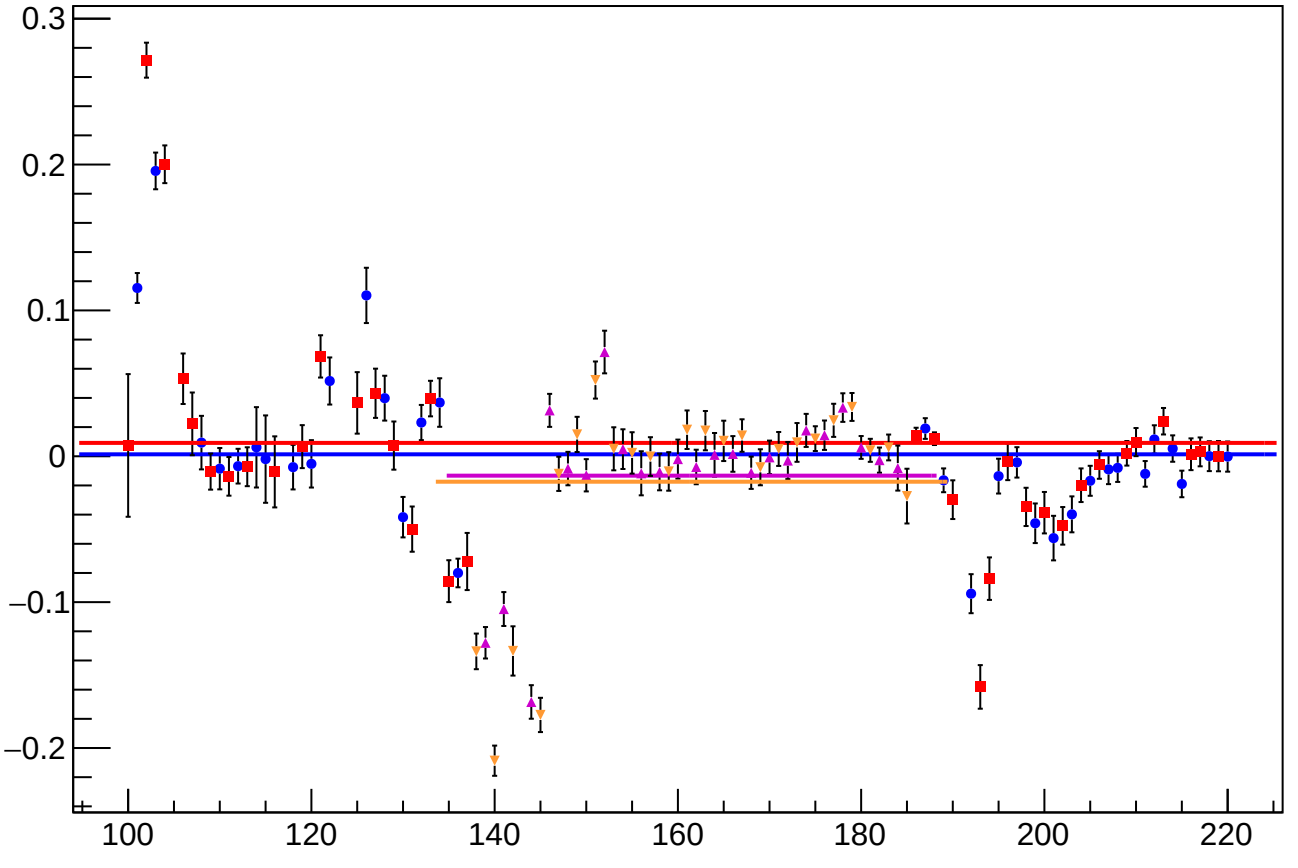
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

Right: -0.017+/-0.002 χ^2/NDF: 163.7/67

In: -0.023+/-0.001 χ^2/NDF:136.5/55

Out: -0.021+/-0.001 χ^2/NDF:150.2/58

All: -0.022+/-0.001 χ^2/NDF: 287.7/114



Right In: 0.001+/-0.002 χ^2/NDF: 614.2/32

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.009+/-0.002 χ^2/NDF: 1048.3/34

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

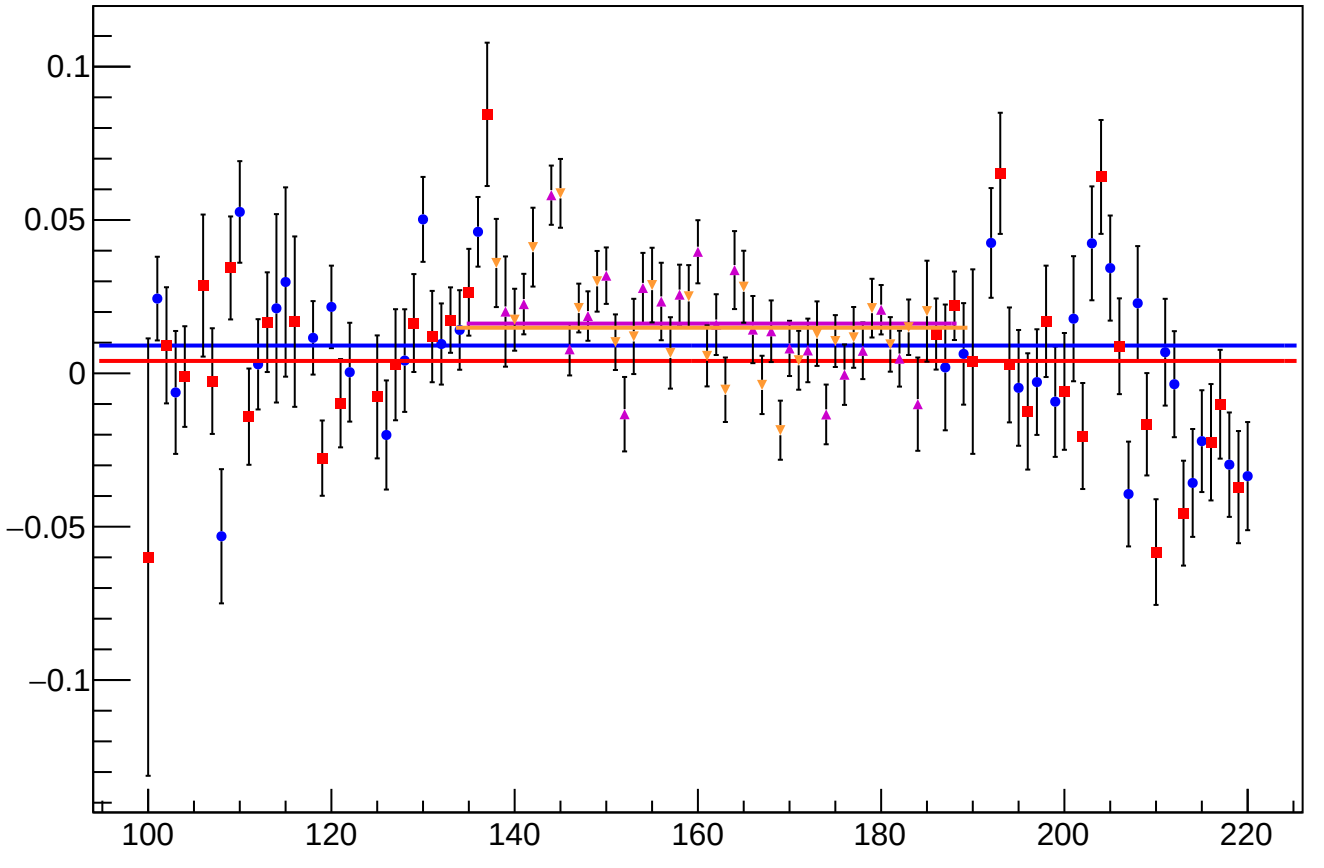
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.006+/-0.001 χ^2/NDF: 1670.7/67

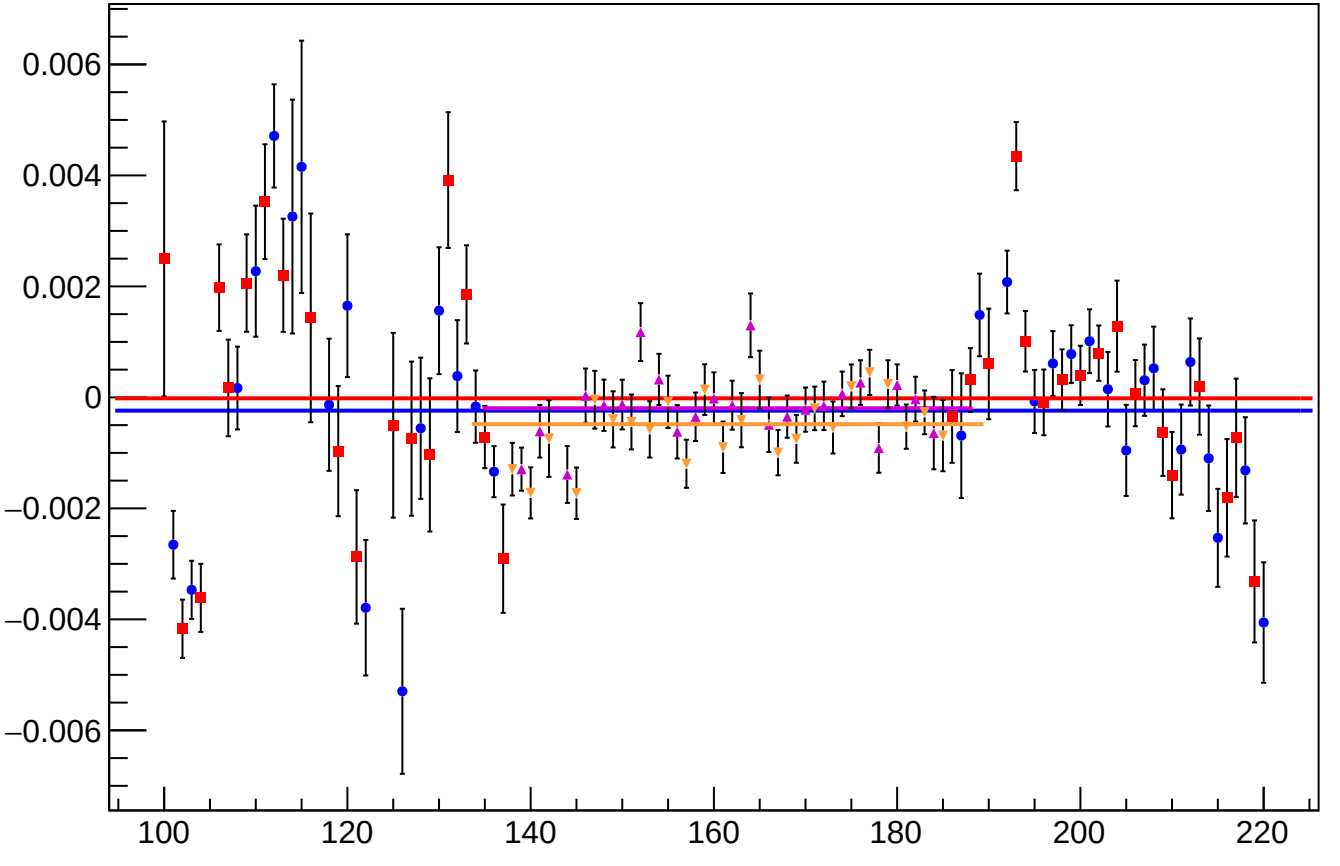
In: -0.005+/-0.002 χ^2/NDF:1094.9/55

Out: -0.001+/-0.001 χ^2/NDF:1937.8/58

All: -0.003+/-0.001 χ^2/NDF: 3035.9/114


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: 0.009+/-0.003 χ²/NDF: 82.7/32
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.004+/-0.003 χ²/NDF: 89.9/34
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.007+/-0.002 χ²/NDF: 174.1/67
In: 0.014+/-0.002 χ²/NDF:144.7/55
Out: 0.011+/-0.002 χ²/NDF:151.5/58
All: 0.012+/-0.001 χ²/NDF: 297.5/114

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 183.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 236.7/34

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

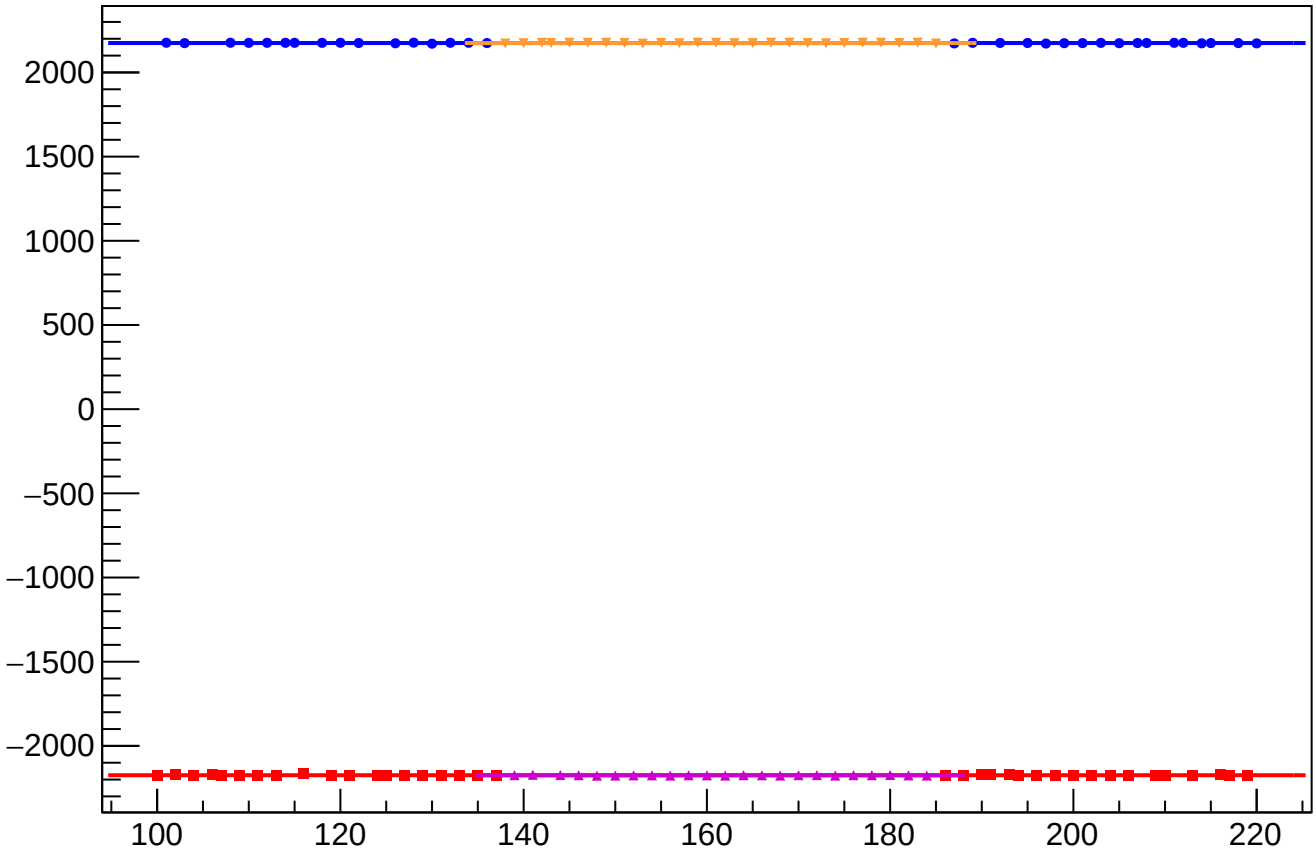
Right: -0.000+/-0.000 χ^2/NDF: 421.5/67

In: -0.000+/-0.000 χ^2/NDF:220.7/55

Out: -0.000+/-0.000 χ^2/NDF:286.0/58

All: -0.000+/-0.000 χ^2/NDF: 507.8/114

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.677+/-0.000 χ^2/NDF: 403787107565464396968504454440550 4.0/32

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.332+/-0.000 χ^2/NDF: 124782285356908413547835721515008 00.0/36

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

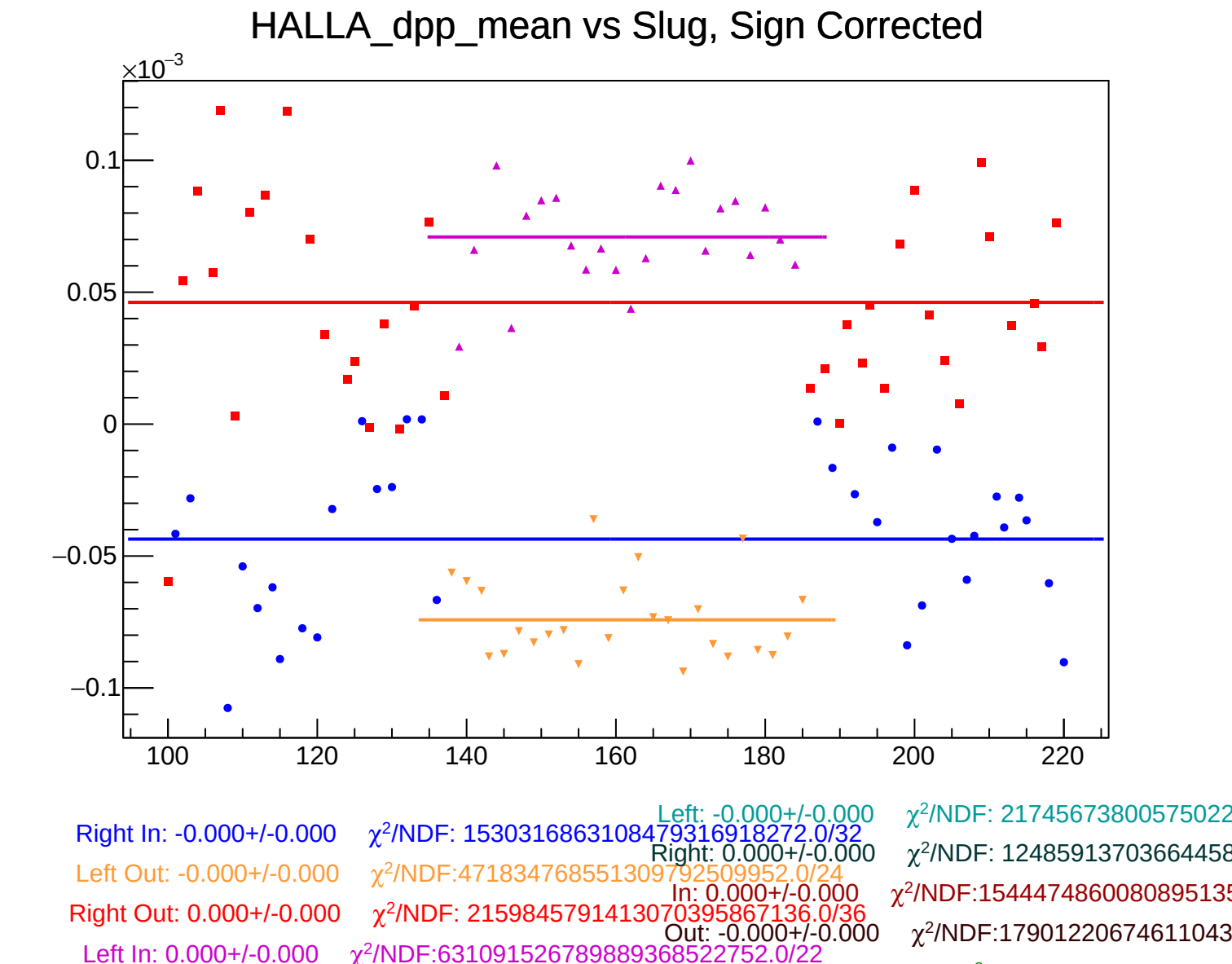
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315 0

Right: -23.209+/-0.000 χ^2/NDF: 206657736273718

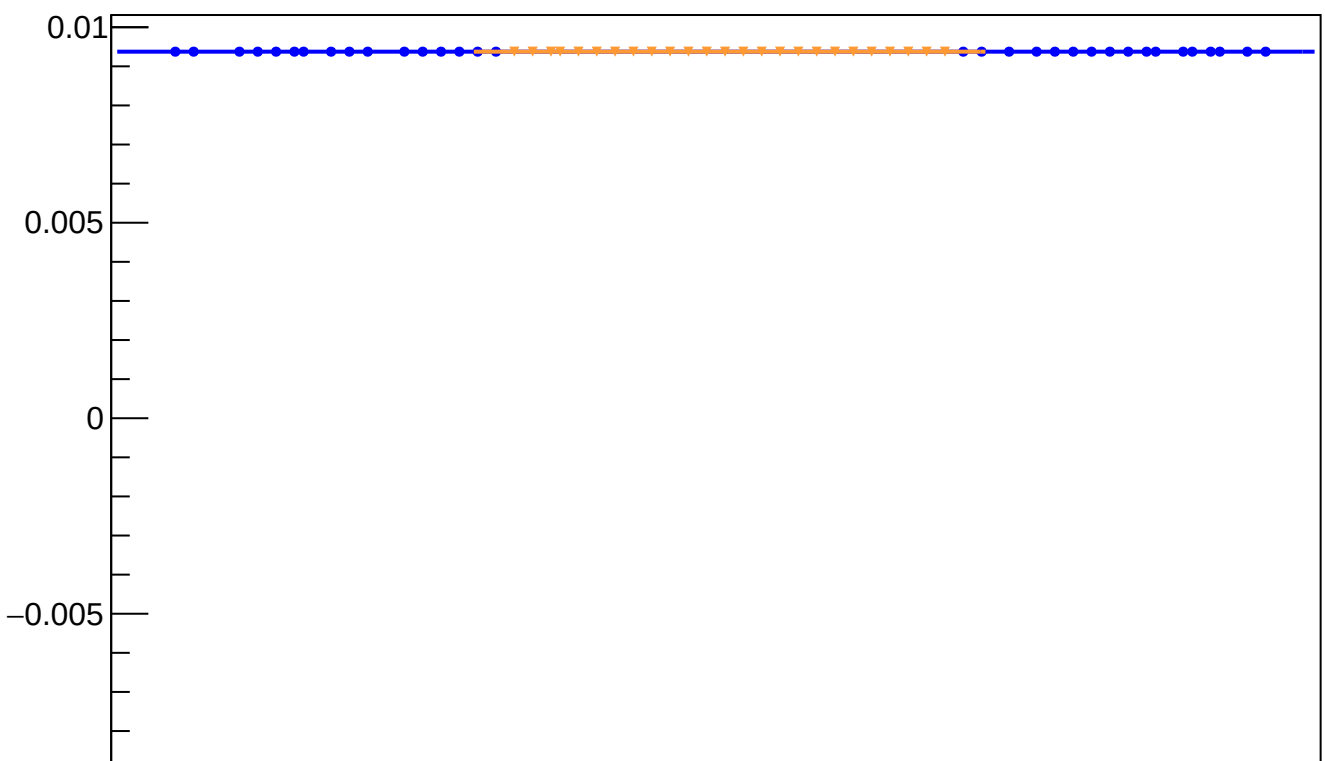
In: 136.902+/-0.000 χ^2/NDF:191613708358540 10

Out: -98.101+/-0.000 χ^2/NDF:199461366875414 5

All: 17.148+/-0.000 χ^2/NDF: 392219906558 0


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 153031686310847931691827 2.0/32
Left Out: -0.000+/-0.000 χ²/NDF:47183476855130979250995 2.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 215984579141307039586713 6.0/36
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: 12485913703664458
In: 0.000+/-0.000 χ²/NDF:154447486008095135
Out: -0.000+/-0.000 χ²/NDF:17901220674611043
All: -0.000+/-0.000 χ²/NDF: 3429326248777

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

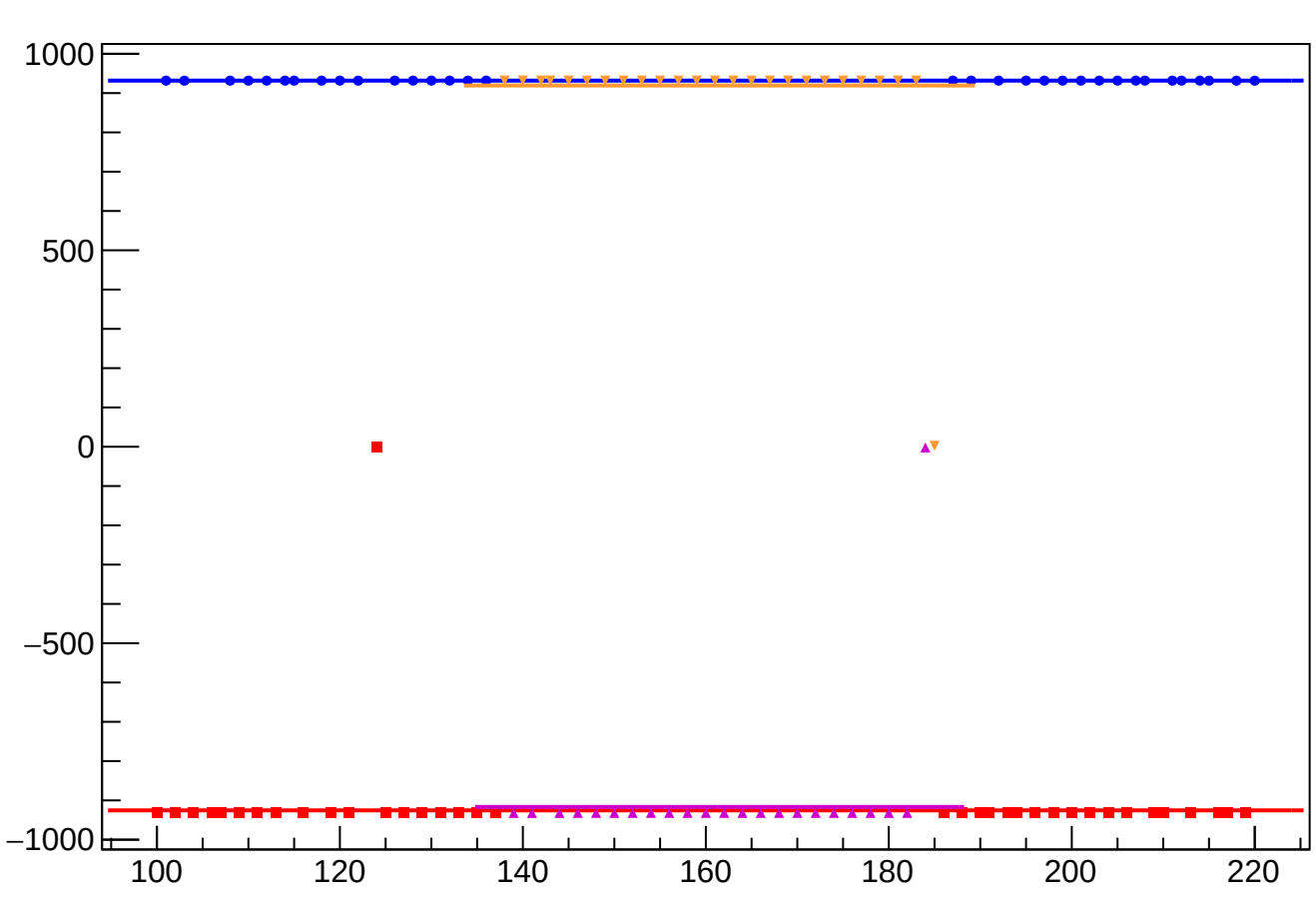
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 38412550403225701

In: 0.001+/-0.000 χ^2/NDF:3561231332964591358

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: 0.000+/-0.000 χ^2/NDF: 72900796790234



Right In: 931.758+/-0.000 χ^2/NDF: 875423388034555923000190409113 6.0/32

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

Right Out: -925.434+/-0.000 χ^2/NDF: 1293337326132345214943365139999 094784.0/36

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855 72352.0/22

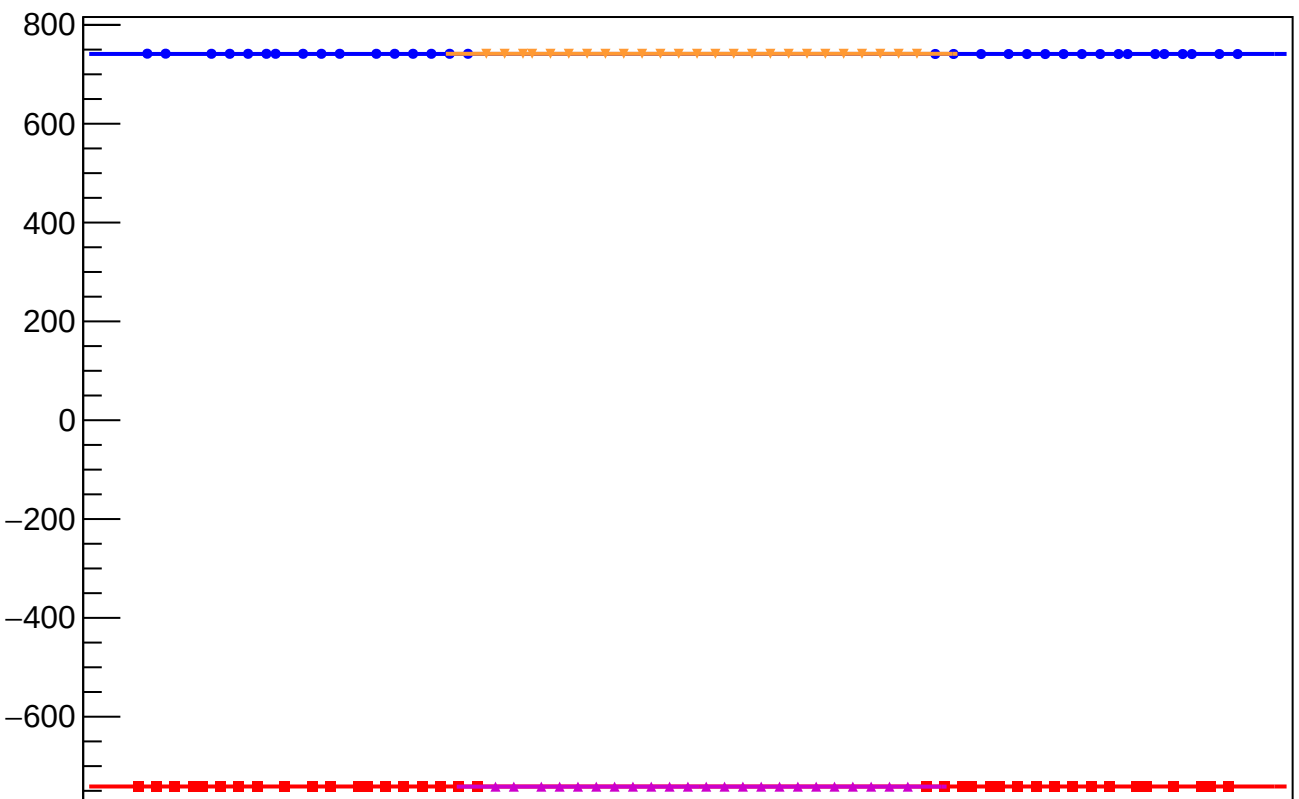
Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363 2

Right: -6.823+/-0.000 χ^2/NDF: 3781571557846796

In: 65.713+/-0.000 χ^2/NDF:3487321366674591 6

Out: -44.722+/-0.000 χ^2/NDF:3624962927475917

All: 9.437+/-0.000 χ^2/NDF: 7137566129372



Right In: 741.216+/-0.000 χ^2/NDF: 14788207044324551537224906178560 0.0/32

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005120.0/24

Right Out: -741.227+/-0.000 χ^2/NDF: 153041687196508102944580429676544.0/36

Left In: -741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

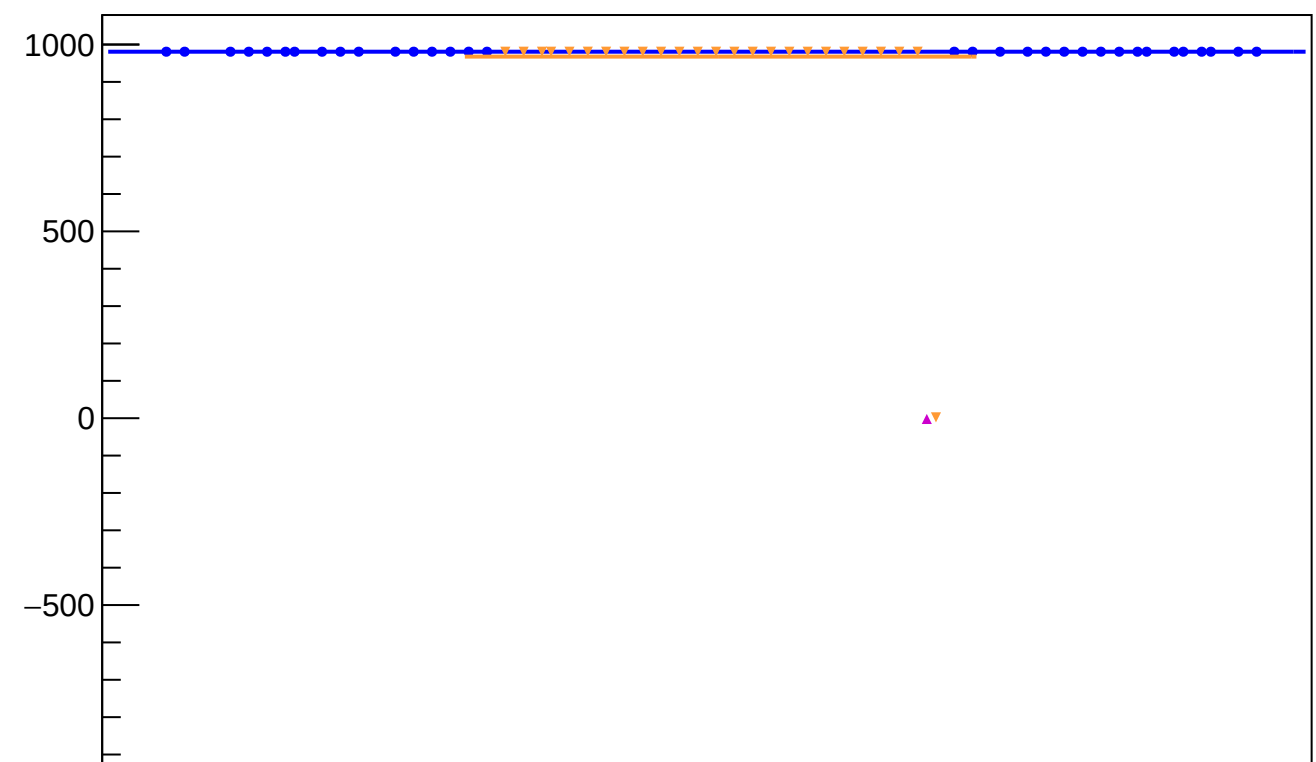
Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

Right: -7.976+/-0.000 χ^2/NDF: 2401192339566497

In: 46.506+/-0.000 χ^2/NDF:2227004853379661820

Out: -33.356+/-0.000 χ^2/NDF:2318540862171130

All: 5.809+/-0.000 χ^2/NDF: 4558767277141



Right In: 980.803+/-0.000 χ^2/NDF: 19598188157698058145083194081280.0/32

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.783+/-0.000 χ^2/NDF: 6364003421789029334335095203430 4.0/36

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

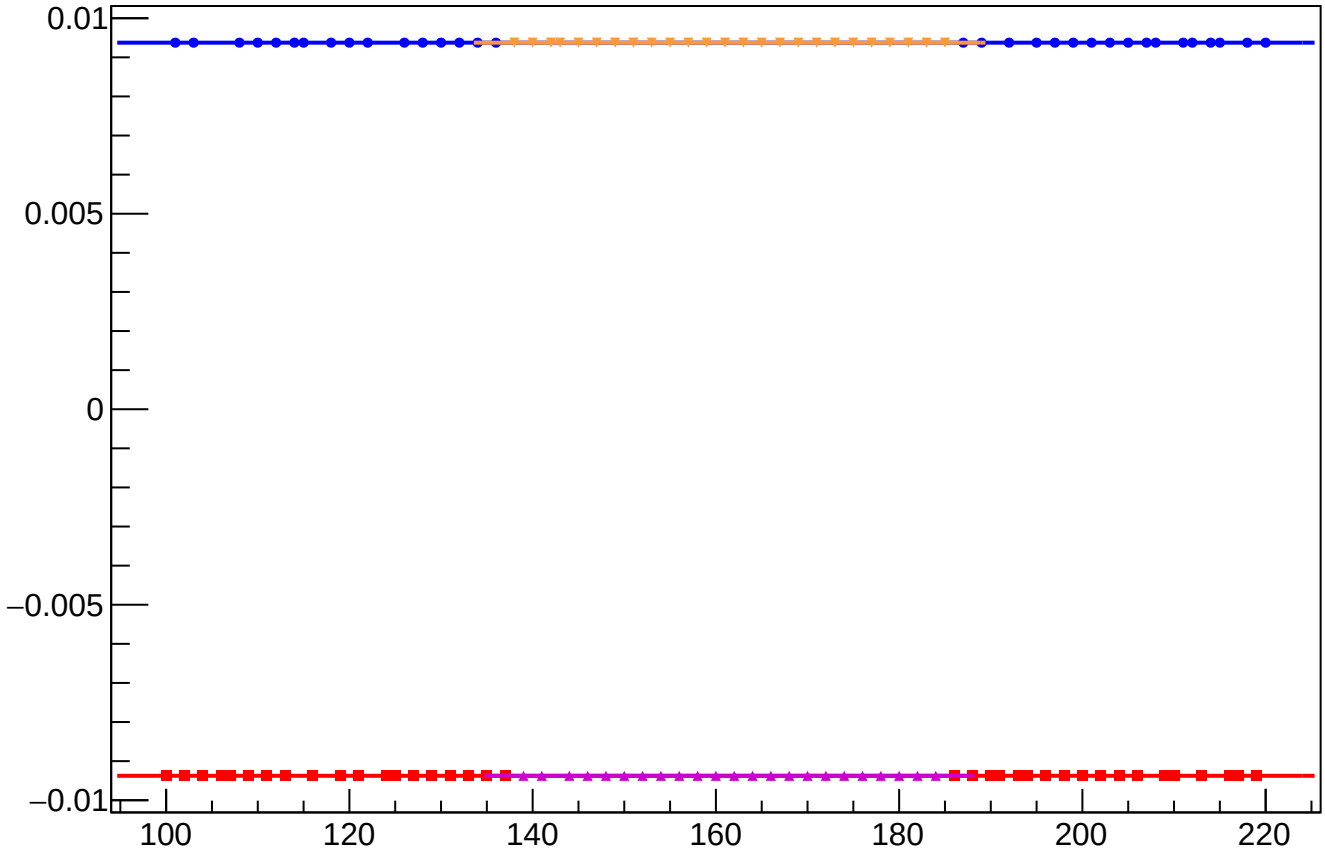
Right: -10.536+/-0.000 χ^2/NDF: 420421888494674

In: 69.195+/-0.000 χ^2/NDF:386390615633829007

Out: -50.574+/-0.000 χ^2/NDF:4029259288730229

All: 8.162+/-0.000 χ^2/NDF: 79229017631546

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

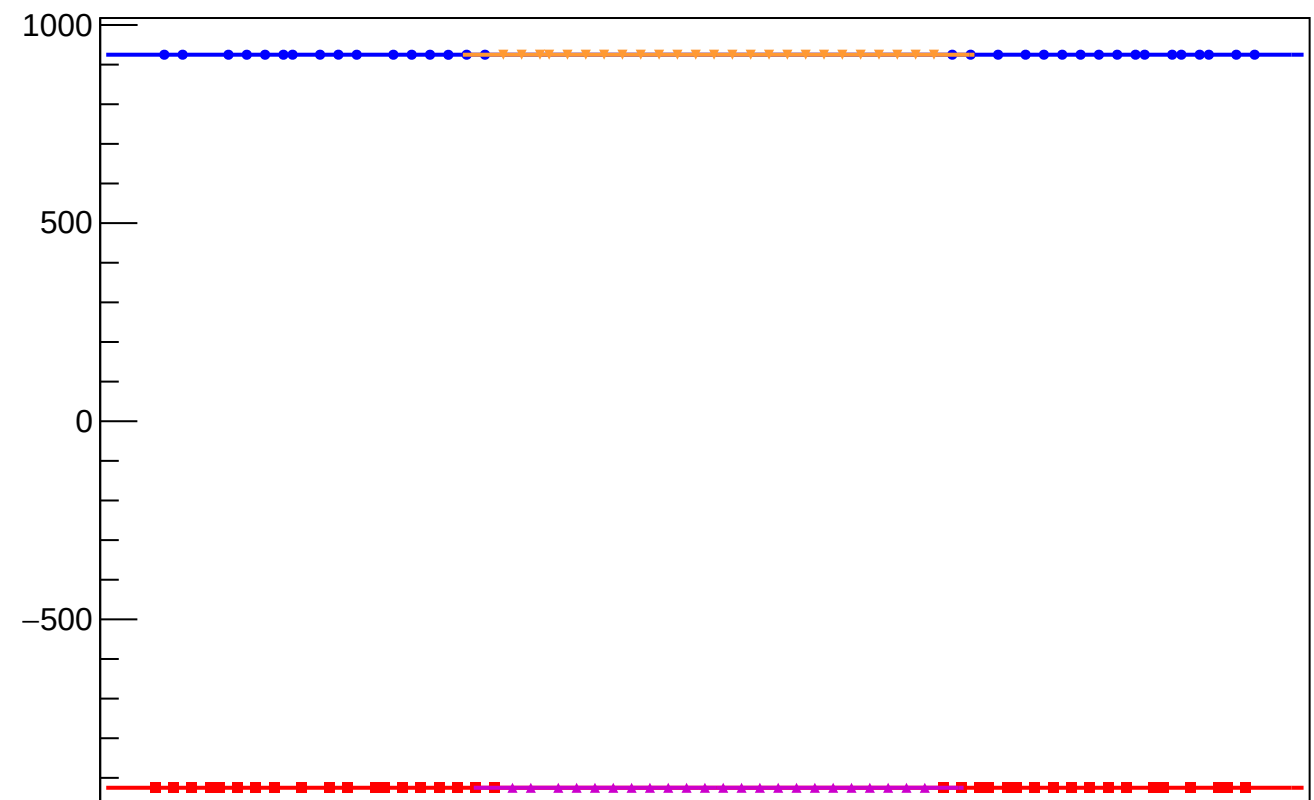
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 38412550403225701

In: 0.001+/-0.000 χ^2/NDF:3561231332964591358

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: 0.000+/-0.000 χ^2/NDF: 72900796790234



Right In: 924.997+/-0.000 χ^2/NDF: 3846628016123989122156152750080.0/32

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.998+/-0.000 χ^2/NDF: 20649755715244683829818068828l6.0/36

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

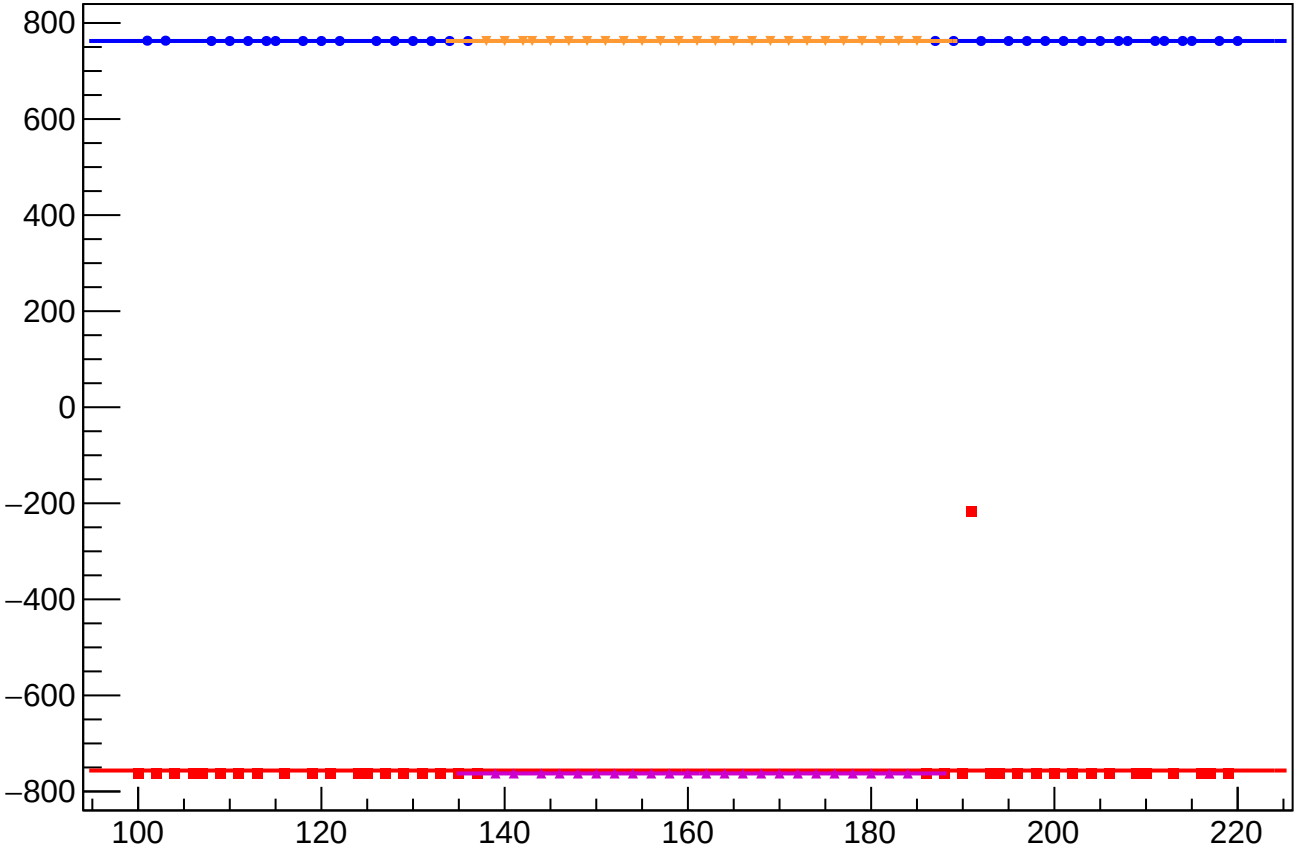
Right: -9.947+/-0.000 χ^2/NDF: 3739484915555189

In: 58.217+/-0.000 χ^2/NDF:34668233310487283

Out: -41.804+/-0.000 χ^2/NDF:3609270162971101

All: 7.248+/-0.000 χ^2/NDF: 7096831907924

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.571+/-0.000 χ^2/NDF: 5554884208527930695970520144281 6.0/32

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -756.402+/-0.000 χ^2/NDF: 735525919677402594863286680795113 0624.0/36

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

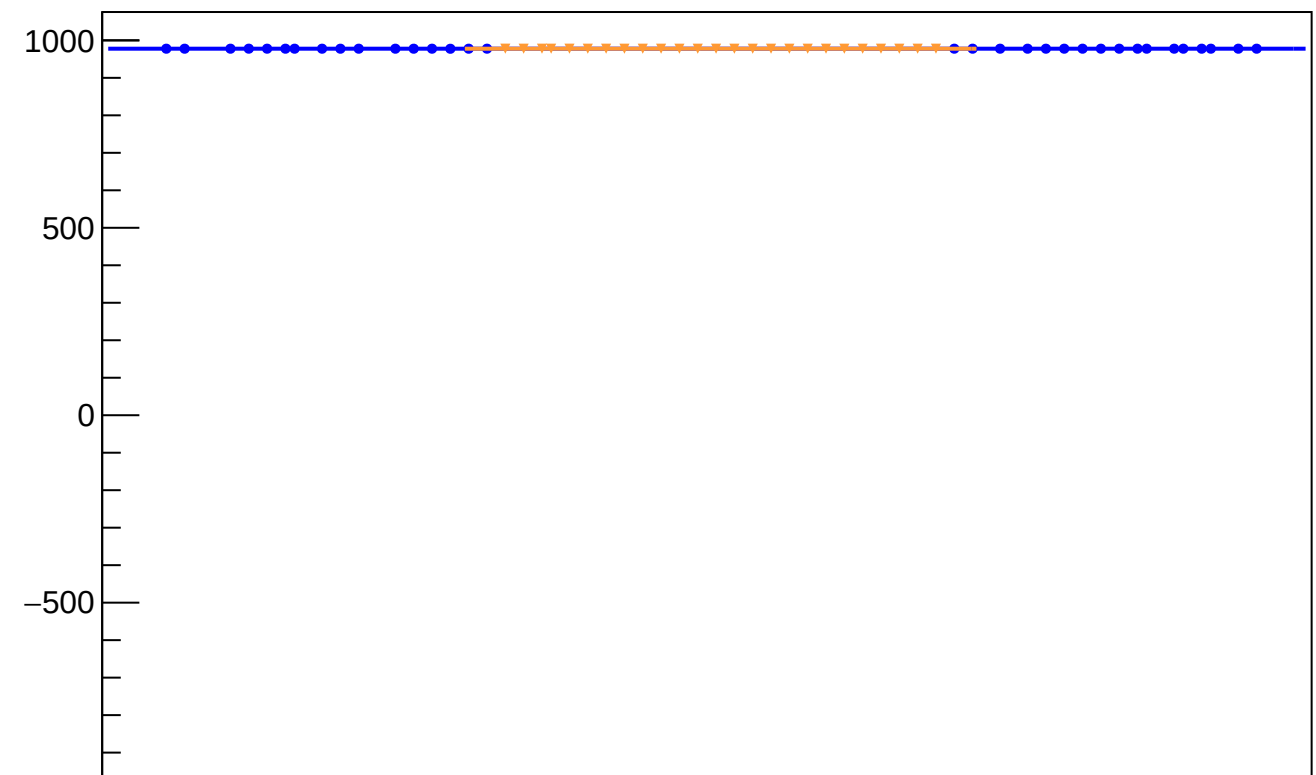
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -5.082+/-0.000 χ^2/NDF: 252834351640460 9

In: 48.013+/-0.000 χ^2/NDF:2356071683967620 18

Out: -31.259+/-0.000 χ^2/NDF:244042546965242 5

All: 7.618+/-0.000 χ^2/NDF: 4809523891256 0



Right In: 977.761+/-0.000 χ^2/NDF: 22250826805513020141347809525760/32

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.758+/-0.000 χ^2/NDF: 28704491531679398075098715914240/36

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

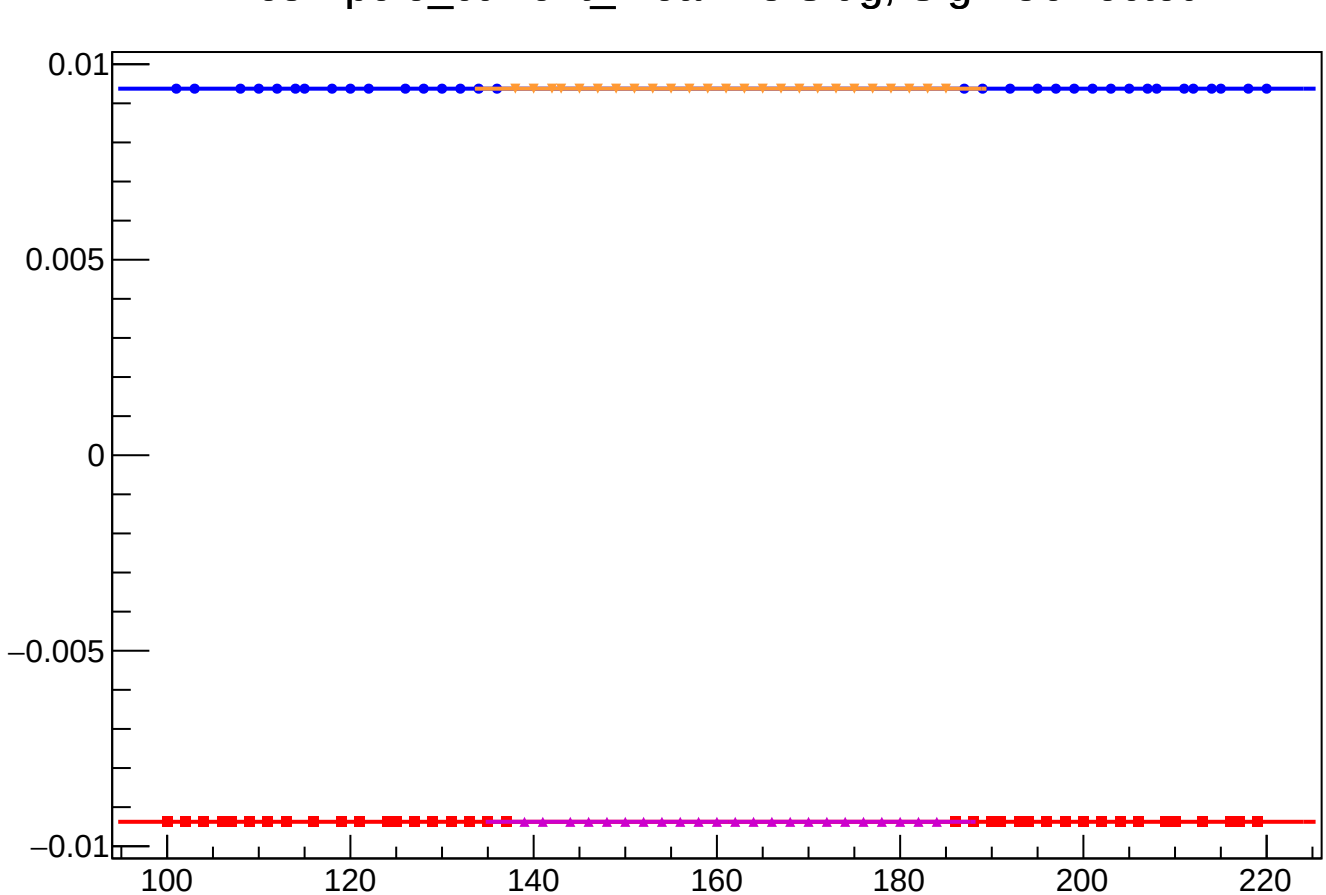
Left: 27.908+/-0.000 χ^2/NDF: 3748164275708314

Right: -10.512+/-0.000 χ^2/NDF: 417825326754099

In: 61.543+/-0.000 χ^2/NDF:387357093910873006

Out: -44.191+/-0.000 χ^2/NDF:4032723795862382

All: 7.663+/-0.000 χ^2/NDF: 7929469767285



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

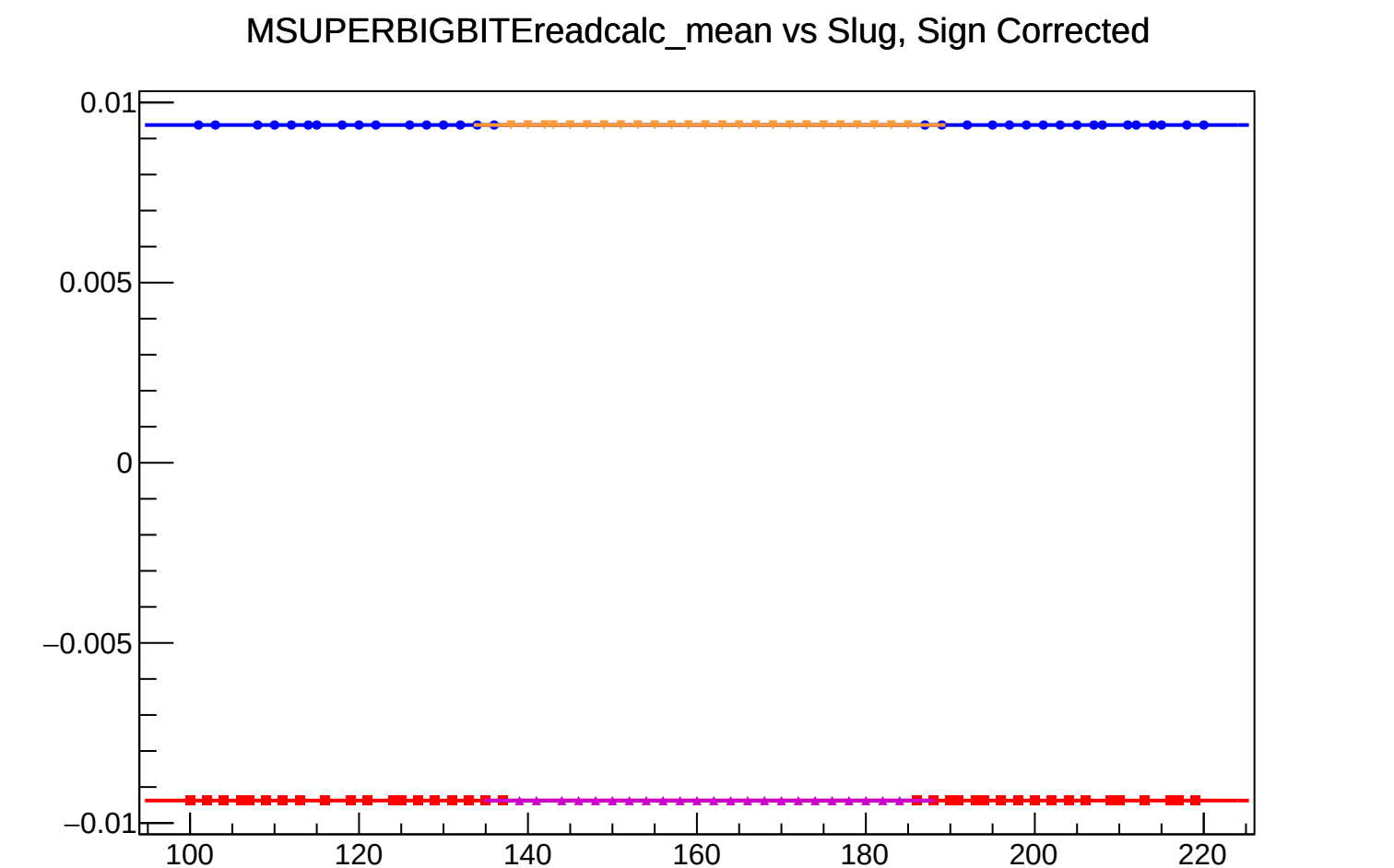
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 38412550403225701

In: 0.001+/-0.000 χ^2/NDF:3561231332964591358

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: 0.000+/-0.000 χ^2/NDF: 72900796790234



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

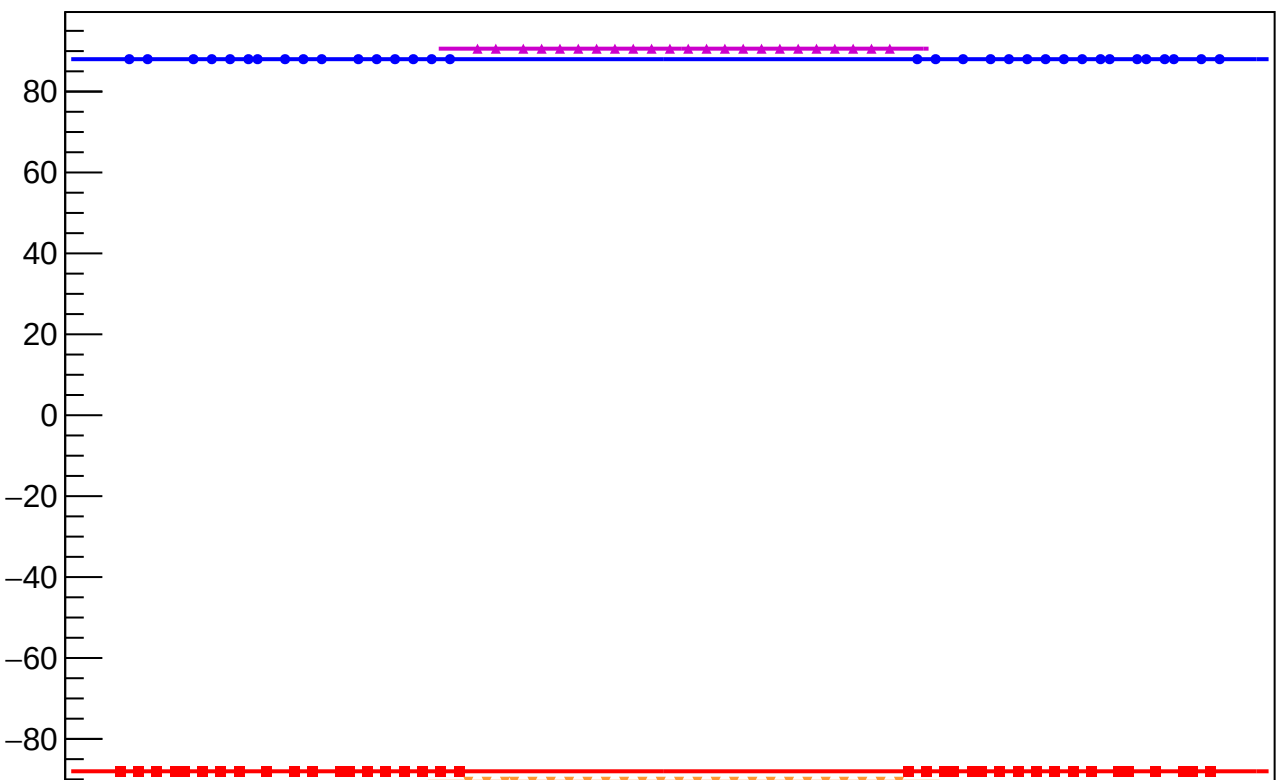
Right: -0.000+/-0.000 χ^2/NDF: 38412550403225701

In: 0.001+/-0.000 χ^2/NDF:3561231332964591358

Out: -0.000+/-0.000 χ^2/NDF:37075513440383132

All: 0.000+/-0.000 χ^2/NDF: 72900796790234

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 4657333.8/32

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 768778896372931767394872852480/36

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

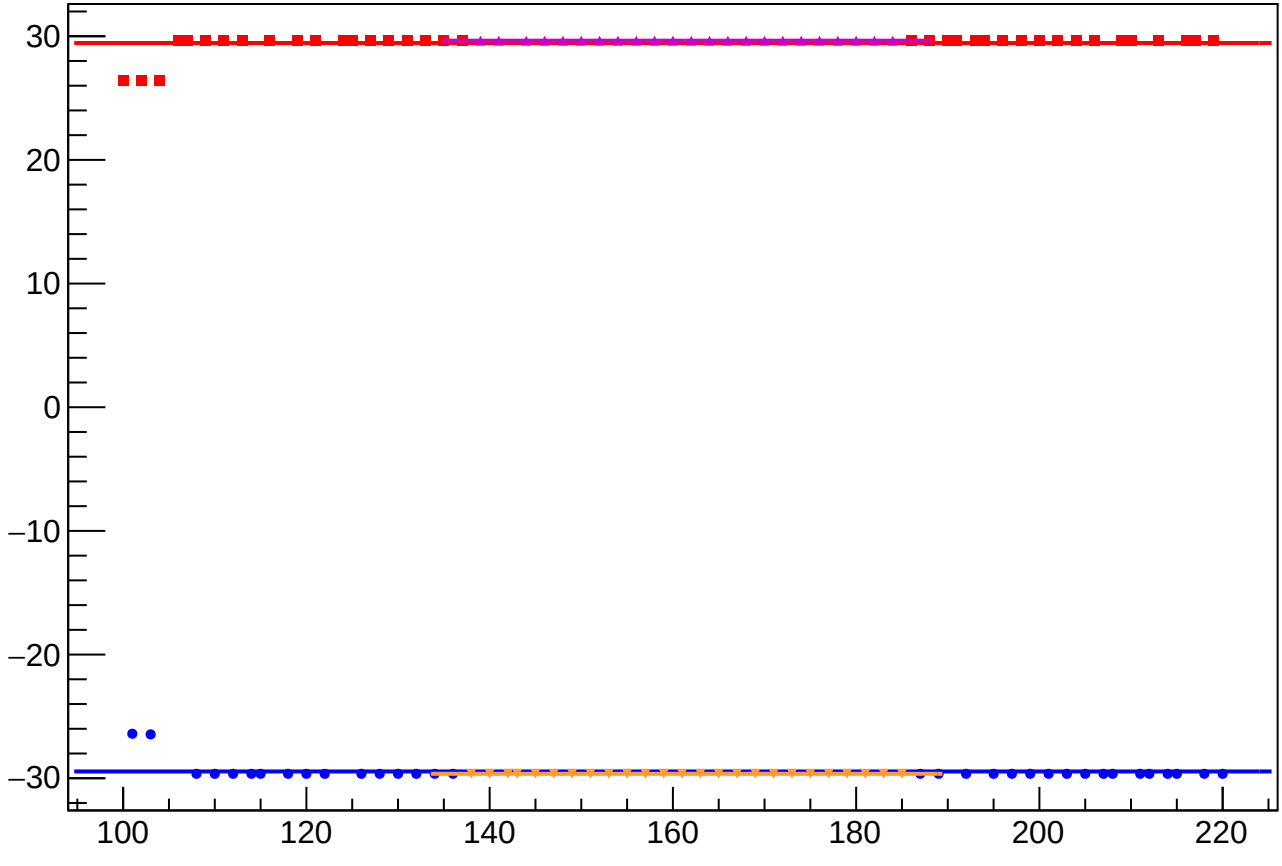
Right: -0.947+/-0.000 χ^2/NDF: 3384601045832906

In: 89.218+/-0.000 χ^2/NDF:684028852599131838

Out: -89.242+/-0.000 χ^2/NDF:7116294340709575

All: -1.722+/-0.000 χ^2/NDF: 6603443150269

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.450+/-0.000 χ^2/NDF: 12445498019294298038633376702791680.0/32

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.451+/-0.000 χ^2/NDF: 12751091136260726636334655576473600.0/36

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

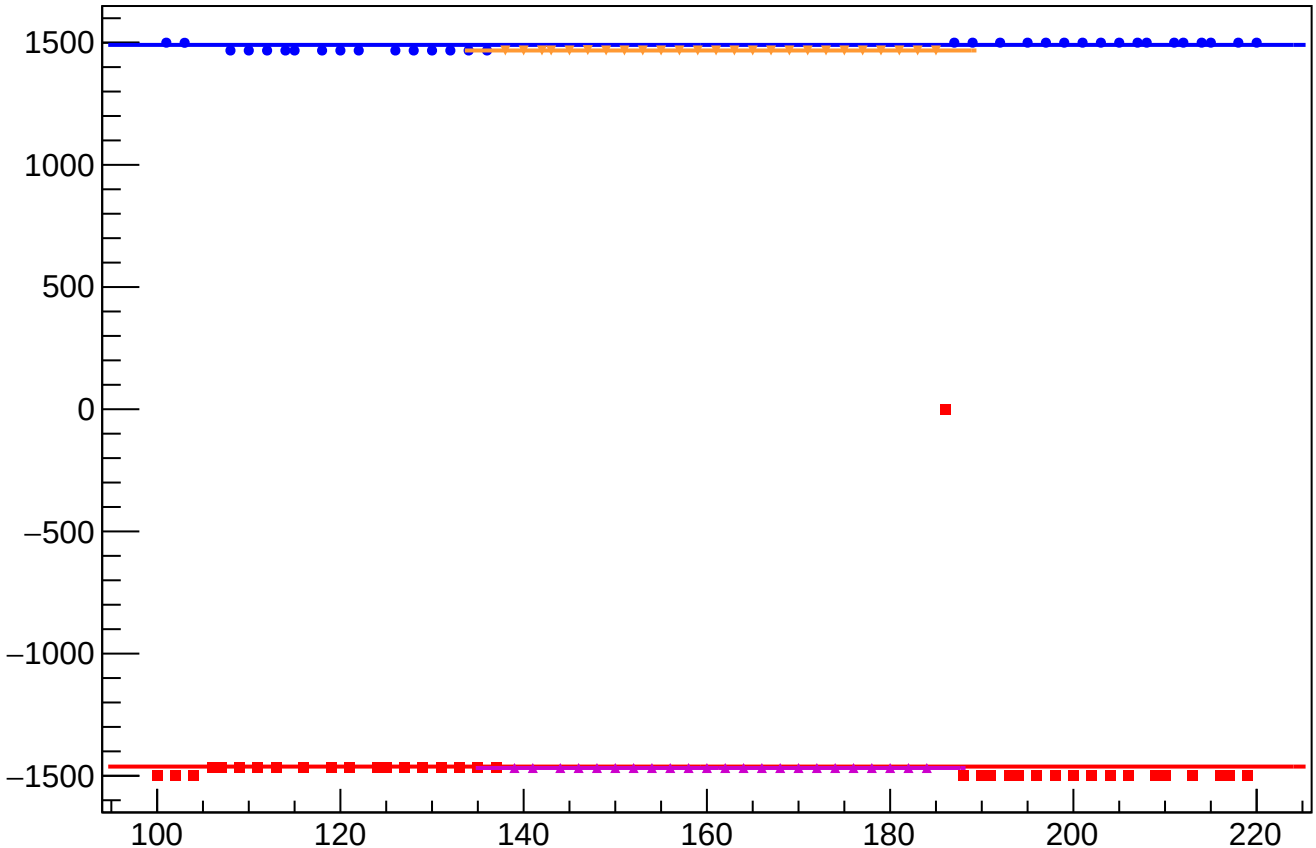
Right: 0.317+/-0.000 χ^2/NDF: 37933018693596933

In: -1.764+/-0.000 χ^2/NDF:353829727144397466

Out: 1.240+/-0.000 χ^2/NDF:368379350863585954

All: -0.233+/-0.000 χ^2/NDF: 7240804957757

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1490.907+/-0.000 χ^2/NDF: 44976640058475922168557248161251328 0.0/32

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1462.291+/-0.000 χ^2/NDF: 92007693713298389905267586861266632704.0/36

Left In: -1467.994+/-0.000 χ^2/NDF:15549380898609675375522453913 6.0/22

Left: 41.929+/-0.000 χ^2/NDF: 8449679330293095

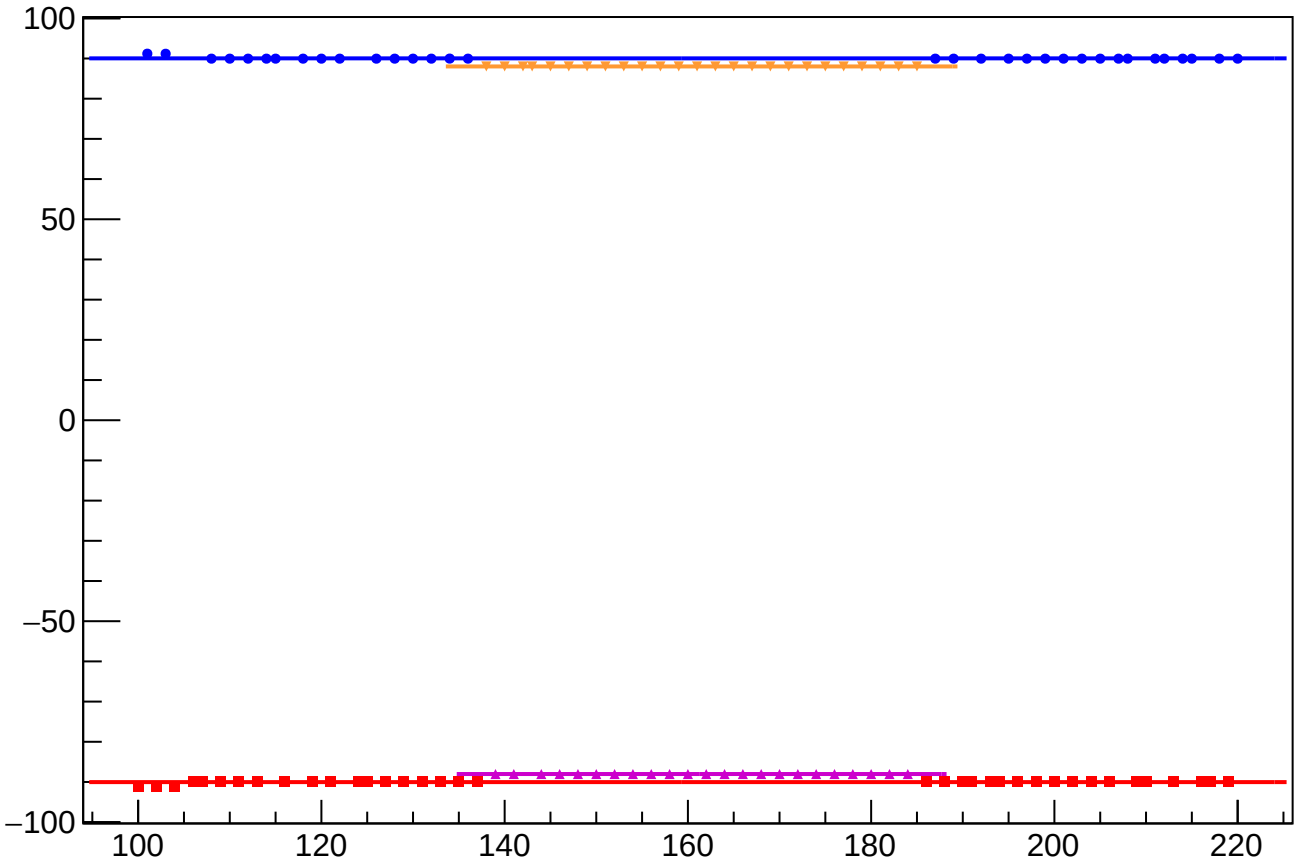
Right: -1.569+/-0.000 χ^2/NDF: 962163743773207

In: 104.559+/-0.000 χ^2/NDF:8869115419643354

Out: -63.325+/-0.000 χ^2/NDF:9147686908805825

All: 19.008+/-0.000 χ^2/NDF: 180752291824

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.032+/-0.000 χ^2/NDF: 18220219061026040193207387553792 0.0/32

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.032+/-0.000 χ^2/NDF: 18676723947490323233054979522560 0.0/36

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 48

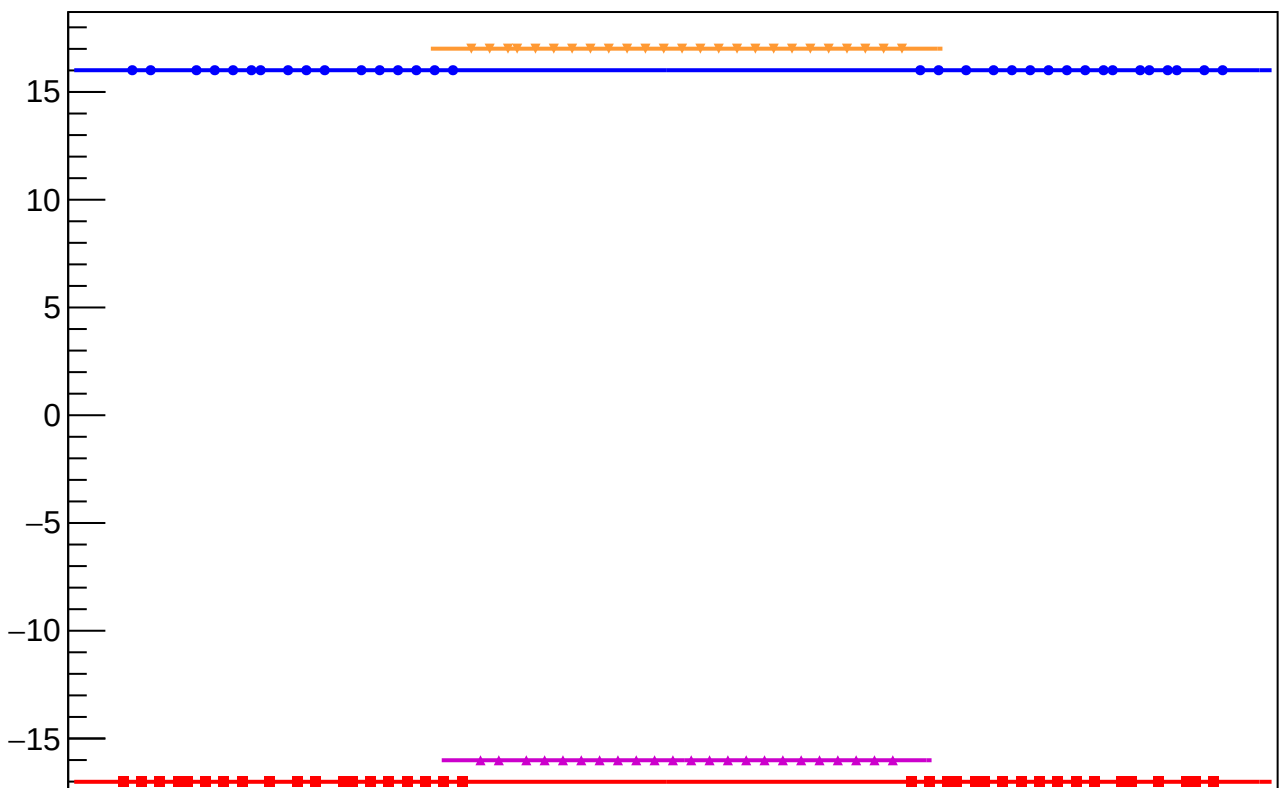
Right: -0.968+/-0.000 χ^2/NDF: 3542661988663632

In: 6.608+/-0.000 χ^2/NDF:3211437555787273928

Out: -5.028+/-0.000 χ^2/NDF:3343357232015912 5

All: 0.679+/-0.000 χ^2/NDF: 6582864984983 9

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 9939827628055045561384960.0/32

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 22583579773521684059914240.0/36

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

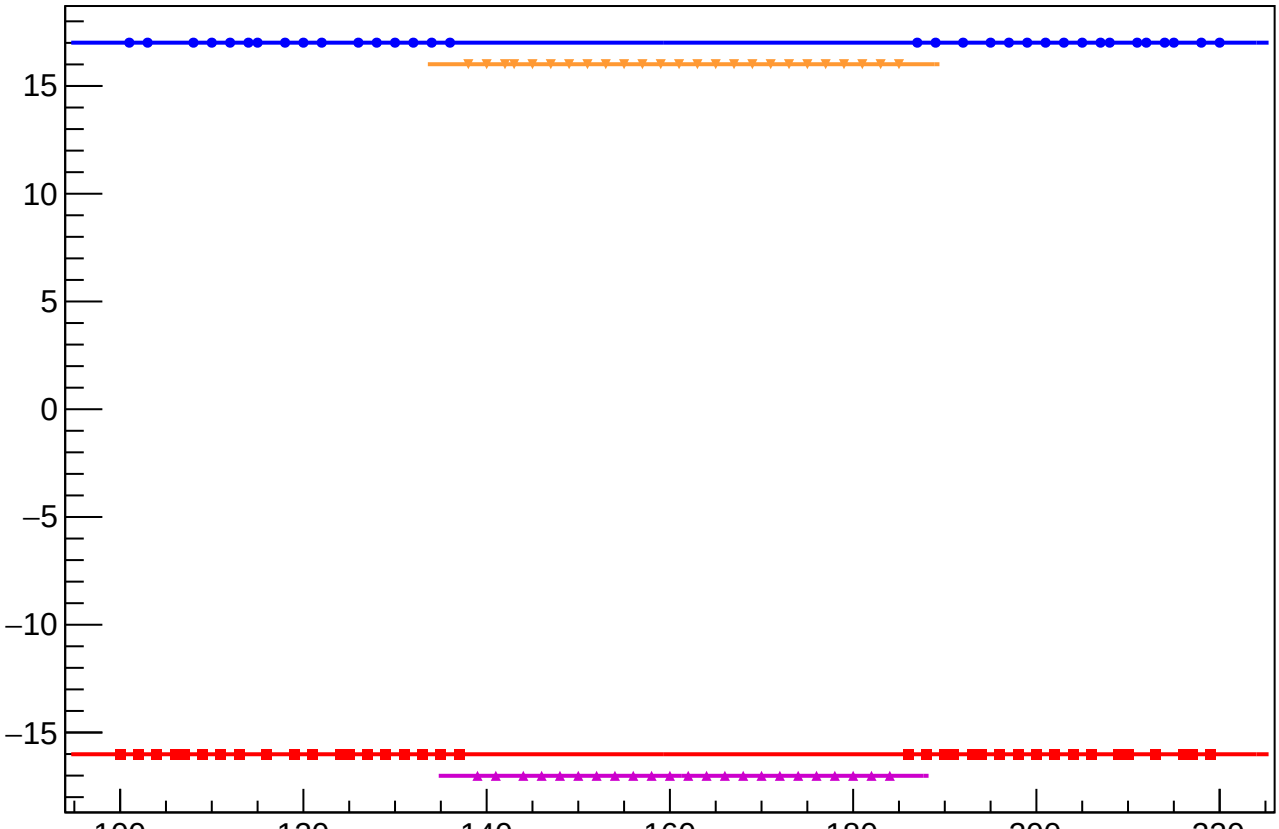
Right: -0.562+/-0.000 χ^2/NDF: 1161626659494567

In: 1.456+/-0.000 χ^2/NDF:9892670277107204242

Out: -1.132+/-0.000 χ^2/NDF:11553033910009809

All: 0.142+/-0.000 χ^2/NDF: 2157804769383

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 9941556919809492134133760.0/32

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 24591799503687635697664.0/36

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944 0.0/22

Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

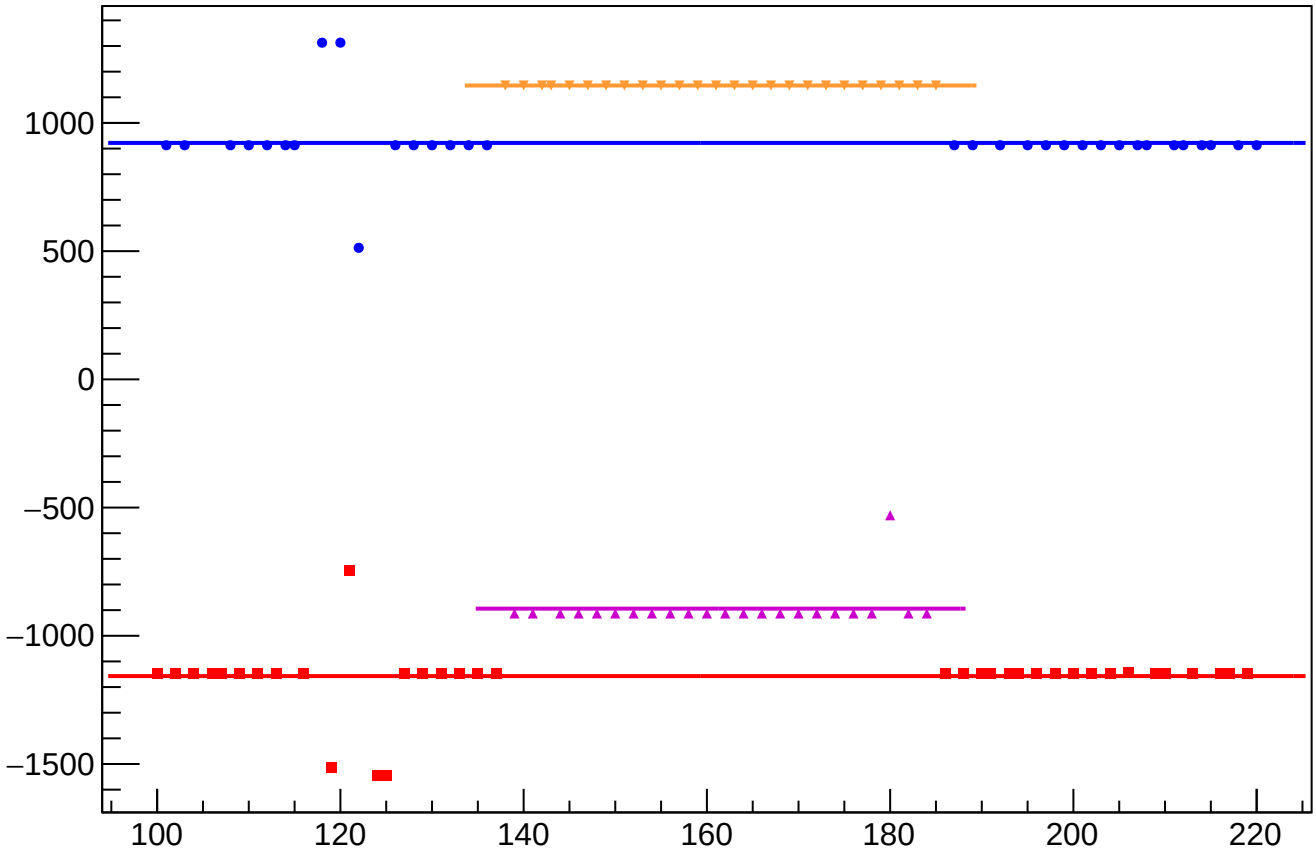
Right: 0.207+/-0.000 χ^2/NDF: 11806267290299930

In: 1.143+/-0.000 χ^2/NDF:114859237442223610

Out: -0.812+/-0.000 χ^2/NDF:10729203265648347

All: 0.140+/-0.000 χ^2/NDF: 22293327598902

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 155.071+/-0.000 χ^2/NDF: 4092819151469536

Right In: 922.060+/-0.000 χ^2/NDF: 21423717223429451140320318493909057536.0/32

Right: -128.723+/-0.000 χ^2/NDF: 47676269194846

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720/24

In: 71.122+/-0.000 χ^2/NDF:337578305644155021

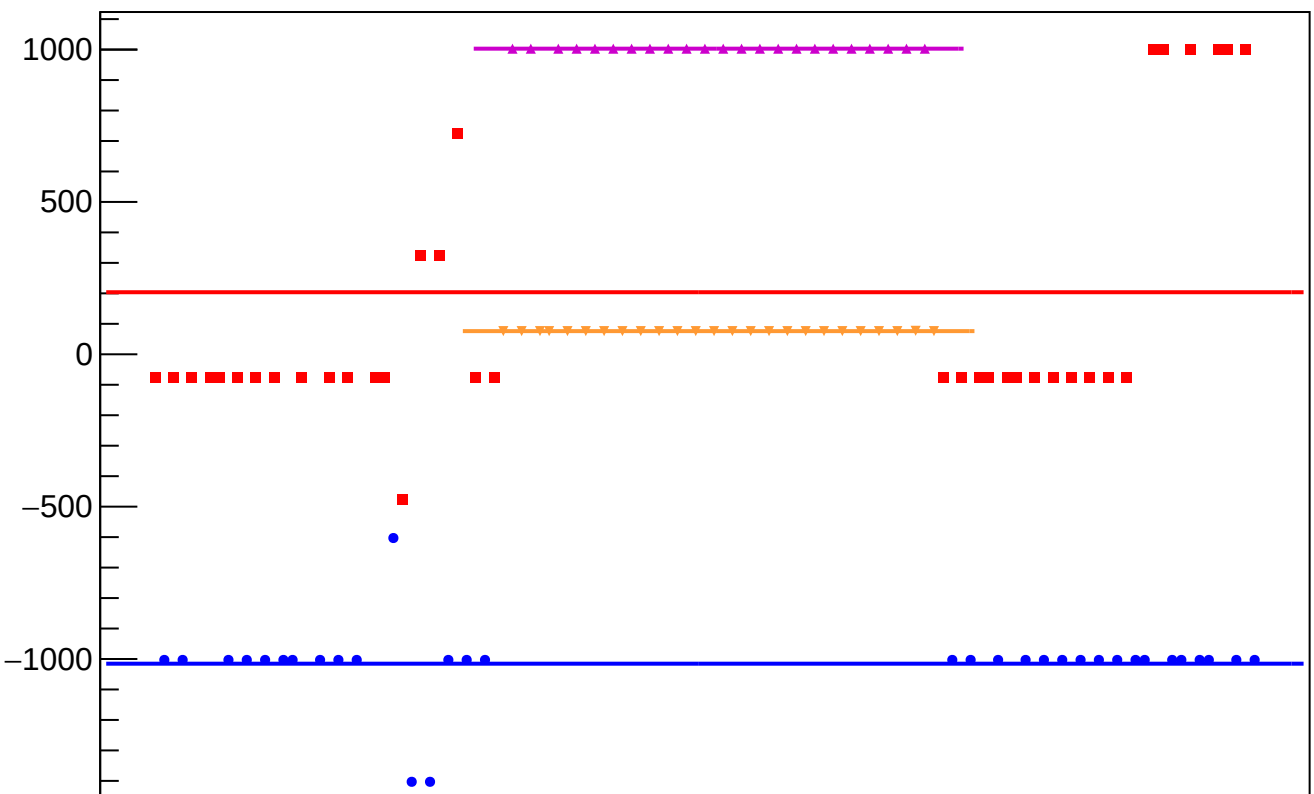
Right Out: -1157.149+/-0.000 χ^2/NDF: 22672627163634123932983427652994990080.0/36

Out: -57.599+/-0.000 χ^2/NDF:5616848173190948

Left In: -894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

All: 5.528+/-0.000 χ^2/NDF: 9026979191744

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1015.385+/-0.000 χ^2/NDF: 2350748292782468486531183312739552460 8.0/32

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

Right Out: 203.687+/-0.000 χ^2/NDF: 486775034884807747128635453543475576832.0/36

Left In: 1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

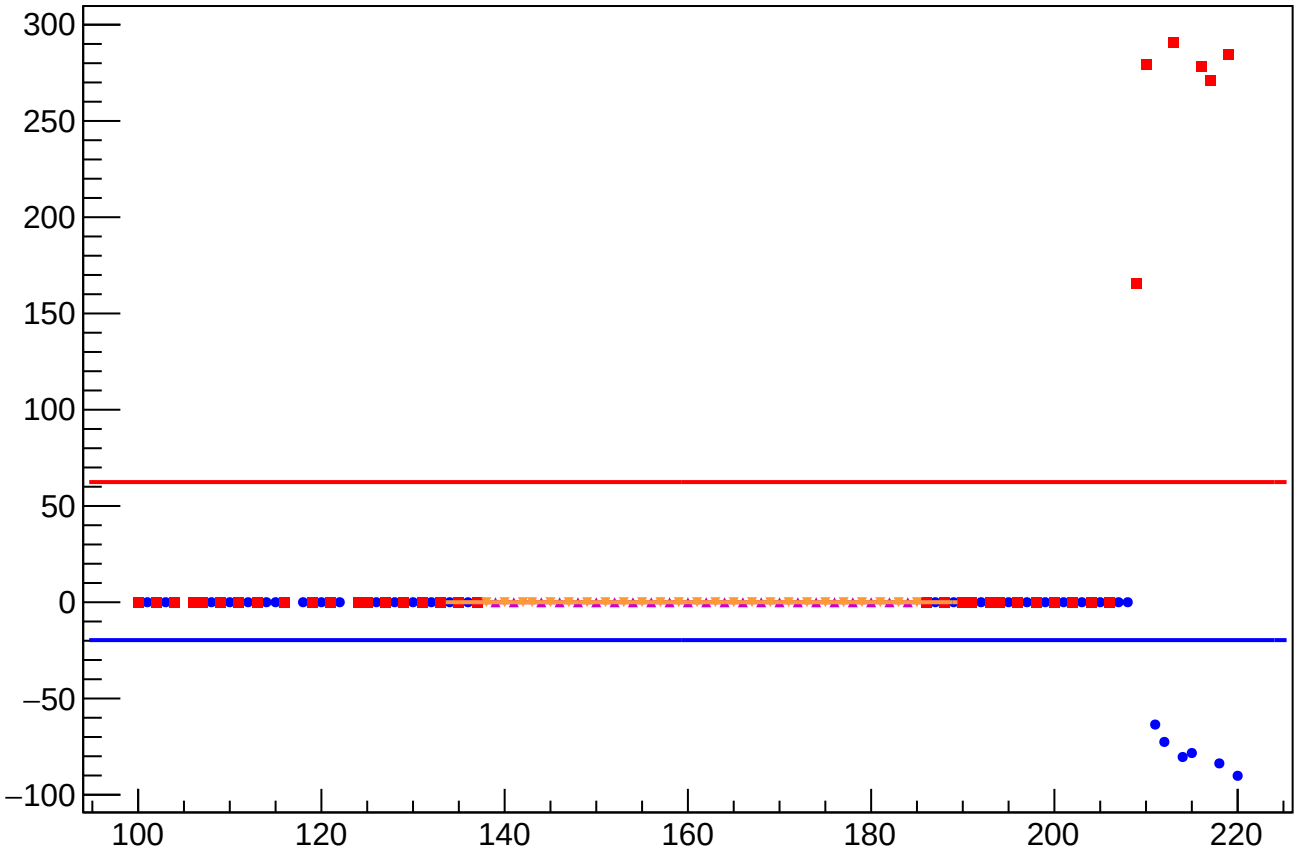
Right: -399.295+/-0.000 χ^2/NDF: 213406864213131

In: -69.706+/-0.000 χ^2/NDF:4150190621755136 3

Out: 142.753+/-0.000 χ^2/NDF:503954893363166 7

All: 38.560+/-0.000 χ^2/NDF: 474771779815 0

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: -19.672+/-0.000 χ^2/NDF: 25396701133279943466697358661396725760.0/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 62.418+/-0.000 χ^2/NDF: 284711156012933953192940946095488836864.0/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466231

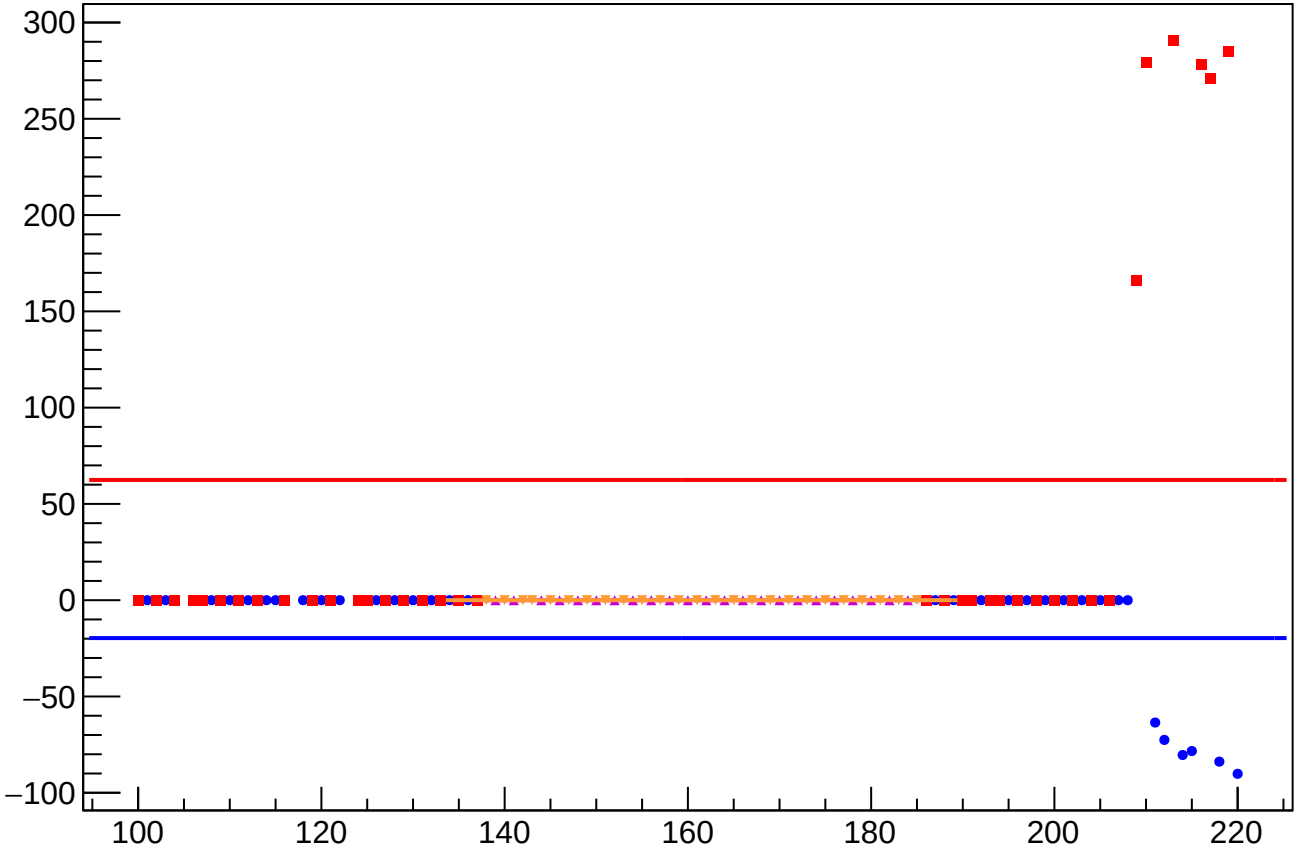
Right: 21.815+/-0.000 χ^2/NDF: 3837375689345637

In: -10.459+/-0.000 χ^2/NDF:2931292163596797

Out: 32.624+/-0.000 χ^2/NDF:3257864545740919

All: 11.495+/-0.000 χ^2/NDF: 3935772989455

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: -19.677+/-0.000 χ^2/NDF: 2541141448986885592659321490191155200.0/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 62.447+/-0.000 χ^2/NDF: 284885569793248742431626559093567651840/36

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

Right: 21.827+/-0.000 χ^2/NDF: 3839878659371988

In: -10.462+/-0.000 χ^2/NDF:2932974984383546

Out: 32.639+/-0.000 χ^2/NDF:3259987660149604

All: 11.502+/-0.000 χ^2/NDF: 3938383532184