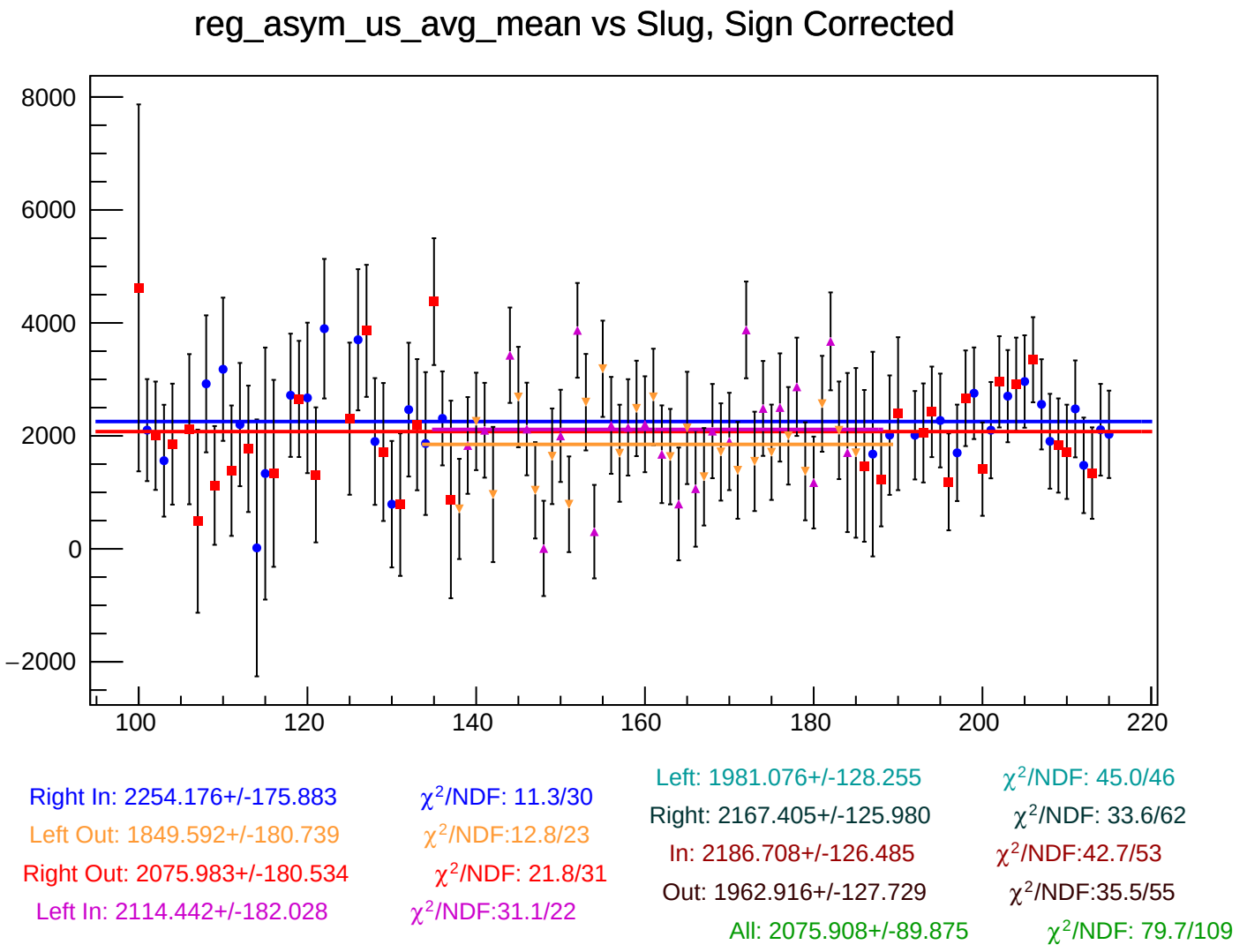
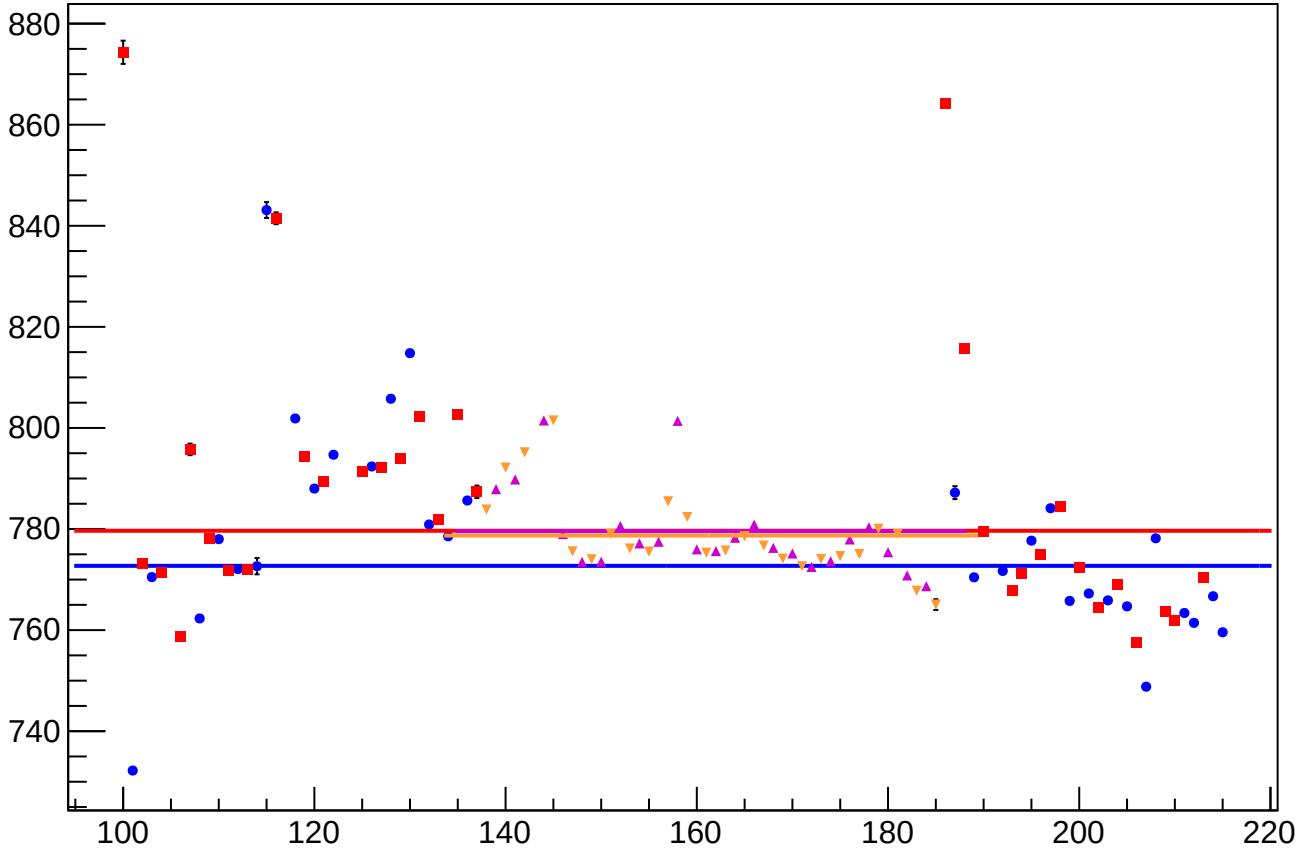

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 2254.176+/-175.883
χ²/NDF: 11.3/30
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2075.983+/-180.534
χ²/NDF: 21.8/31
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2167.405+/-125.980
χ²/NDF: 33.6/62
In: 2186.708+/-126.485
χ²/NDF:42.7/53
Out: 1962.916+/-127.729
χ²/NDF:35.5/55
All: 2075.908+/-89.875
χ²/NDF: 79.7/109

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 772.718+/-0.124 χ^2/NDF: 18499.0/30

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

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

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

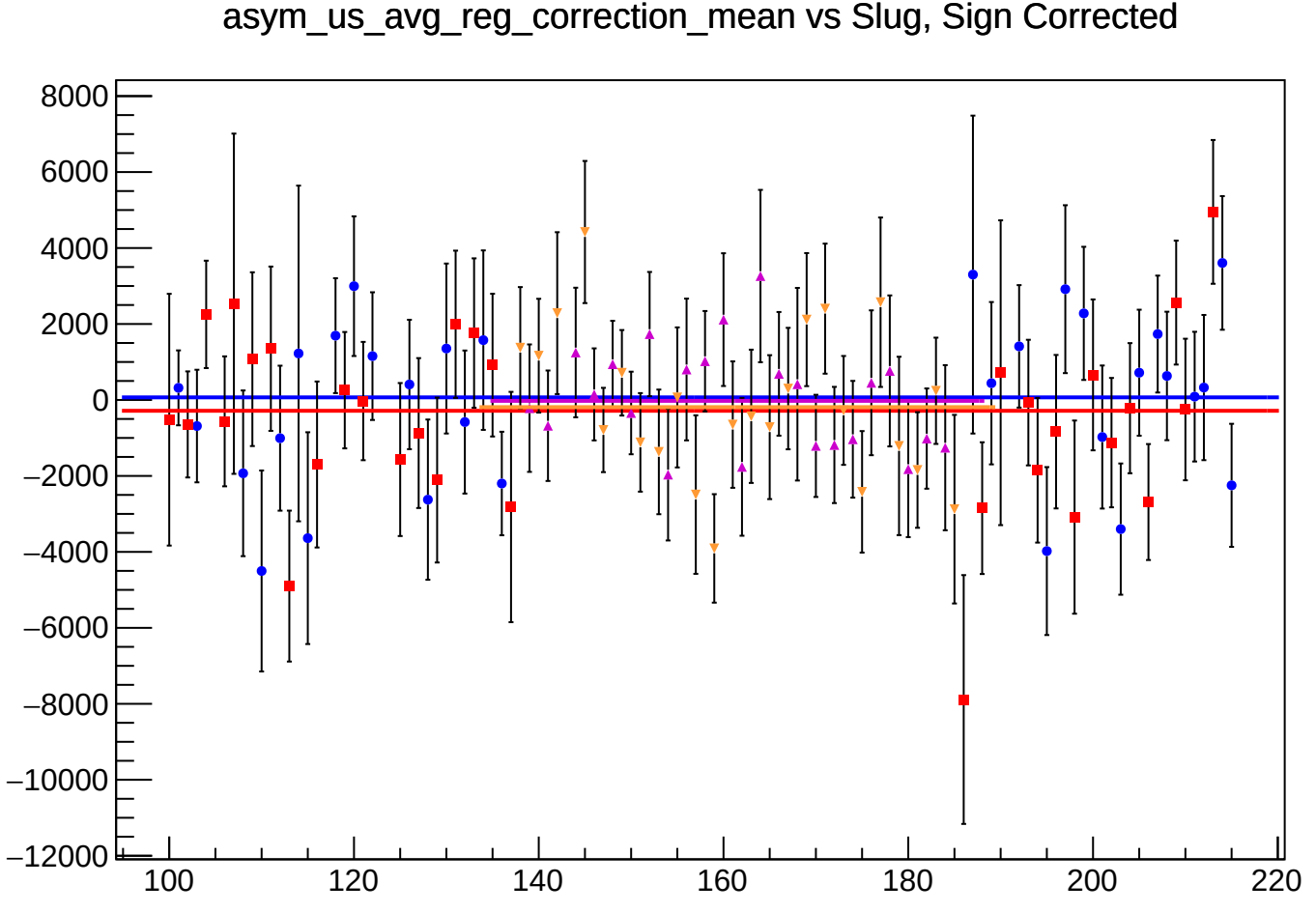
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 776.098+/-0.089 χ^2/NDF: 45526.4/62

In: 776.029+/-0.089 χ^2/NDF:24139.6/53

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

All: 777.591+/-0.064 χ^2/NDF: 53684.0/109



Right In: 68.174+/-322.471 χ^2/NDF: 35.5/30

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

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

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

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

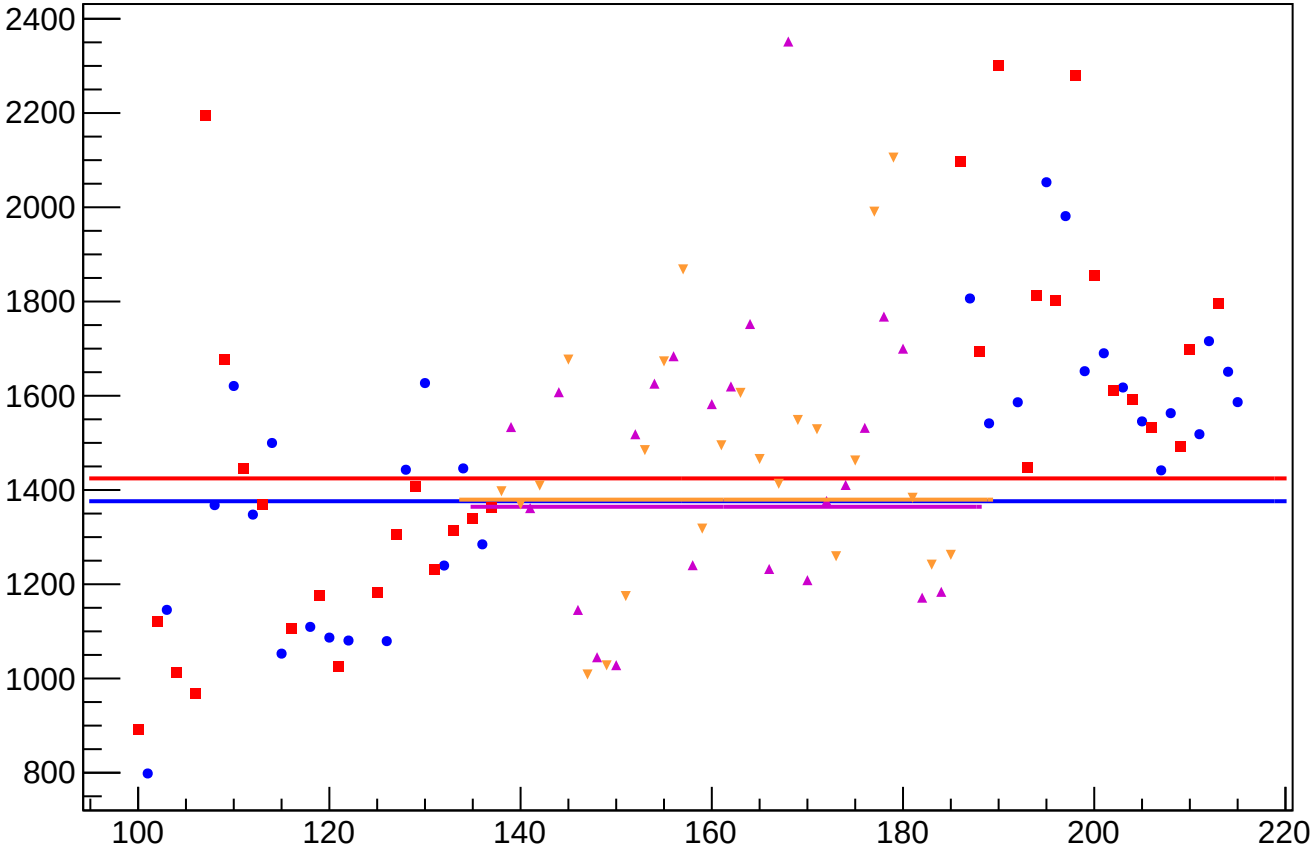
Right: -99.252+/-233.822 χ^2/NDF: 74.7/62

In: 22.685+/-229.193 χ^2/NDF:49.0/53

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

All: -102.619+/-164.344 χ^2/NDF: 117.9/109

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1376.192+/-0.228 χ^2/NDF: 1821115.0/30

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

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

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

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

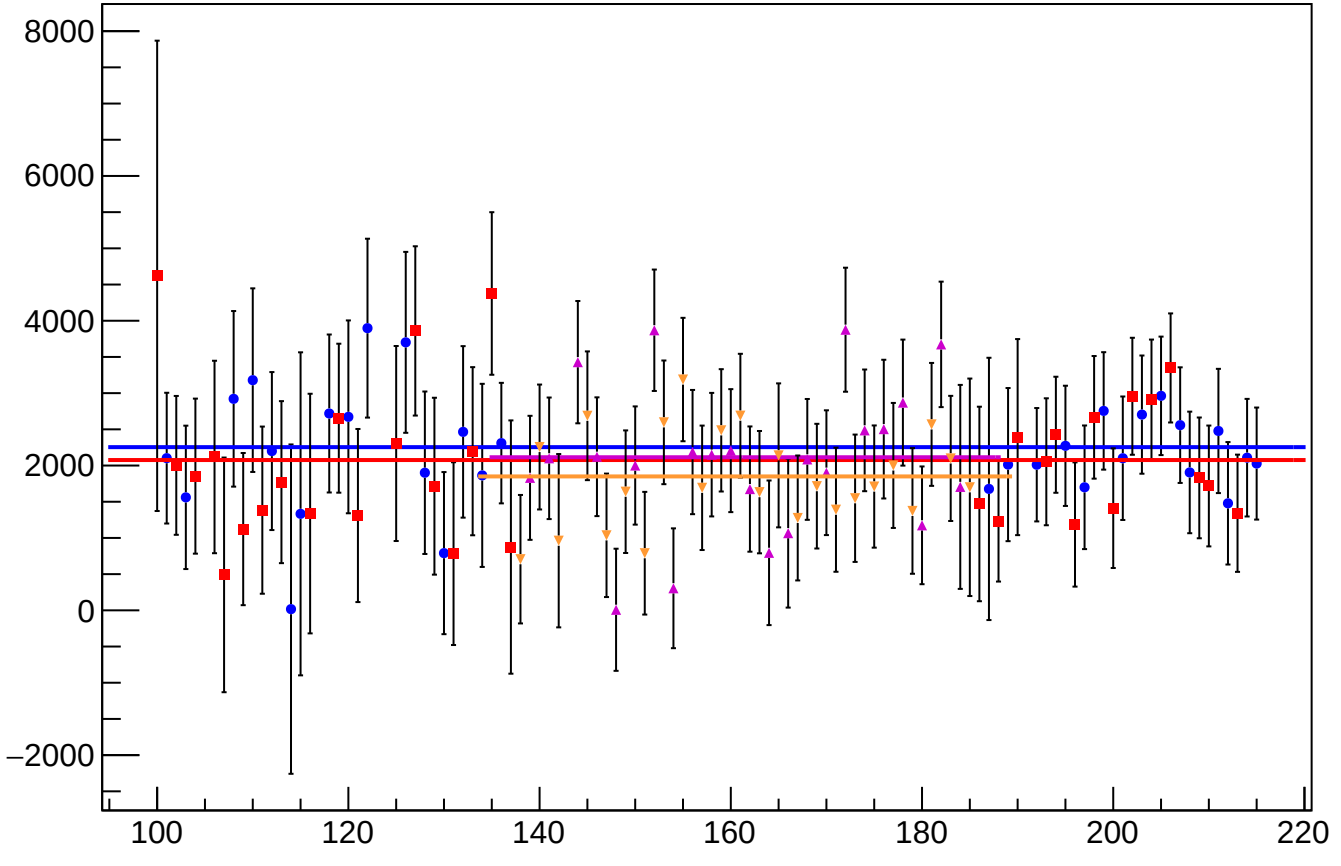
Right: 1399.154+/-0.165 χ^2/NDF: 3558764.4/62

In: 1370.362+/-0.162 χ^2/NDF:3134735.2/53

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

All: 1385.379+/-0.116 χ^2/NDF: 6045392.3/10

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2254.176+/-175.883 χ^2/NDF: 11.3/30

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

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

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

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

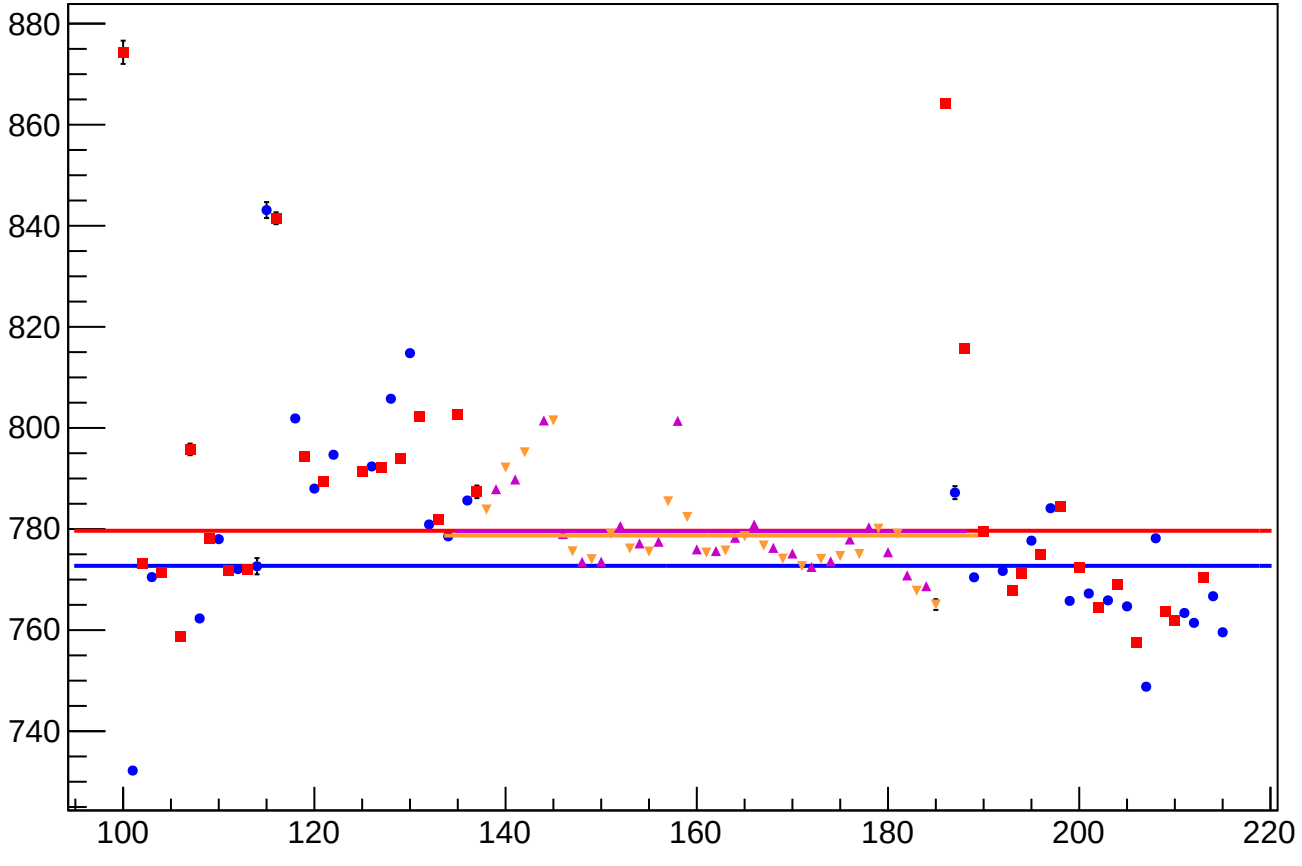
Right: 2167.405+/-125.980 χ^2/NDF: 33.6/62

In: 2186.708+/-126.485 χ^2/NDF:42.7/53

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

All: 2075.908+/-89.875 χ^2/NDF: 79.7/109

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 772.718+/-0.124 χ^2/NDF: 18499.0/30

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

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

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

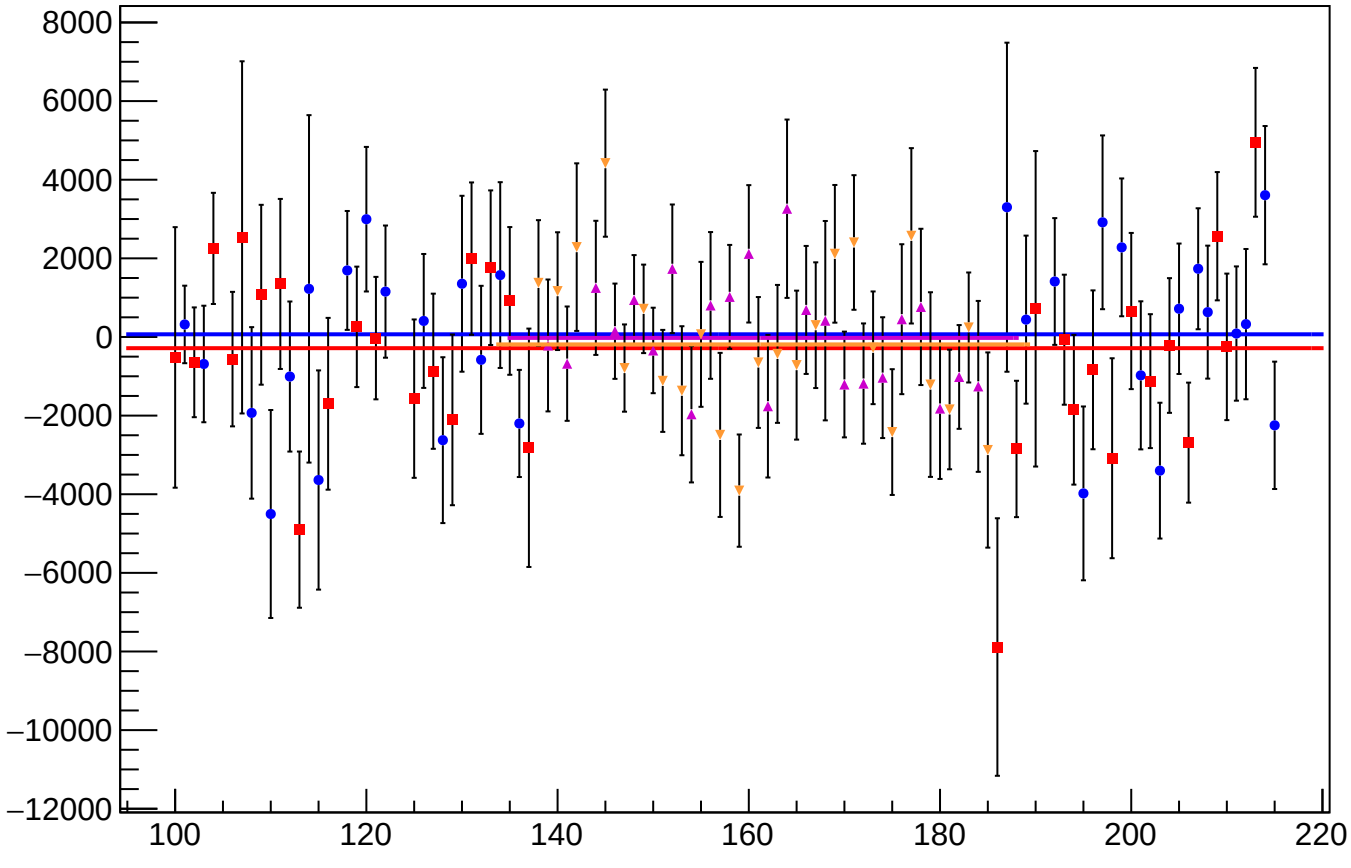
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 776.098+/-0.089 χ^2/NDF: 45526.4/62

In: 776.029+/-0.089 χ^2/NDF:24139.6/53

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

All: 777.591+/-0.064 χ^2/NDF: 53684.0/109



Right In: 68.174+/-322.471 χ^2/NDF: 35.5/30

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

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

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

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

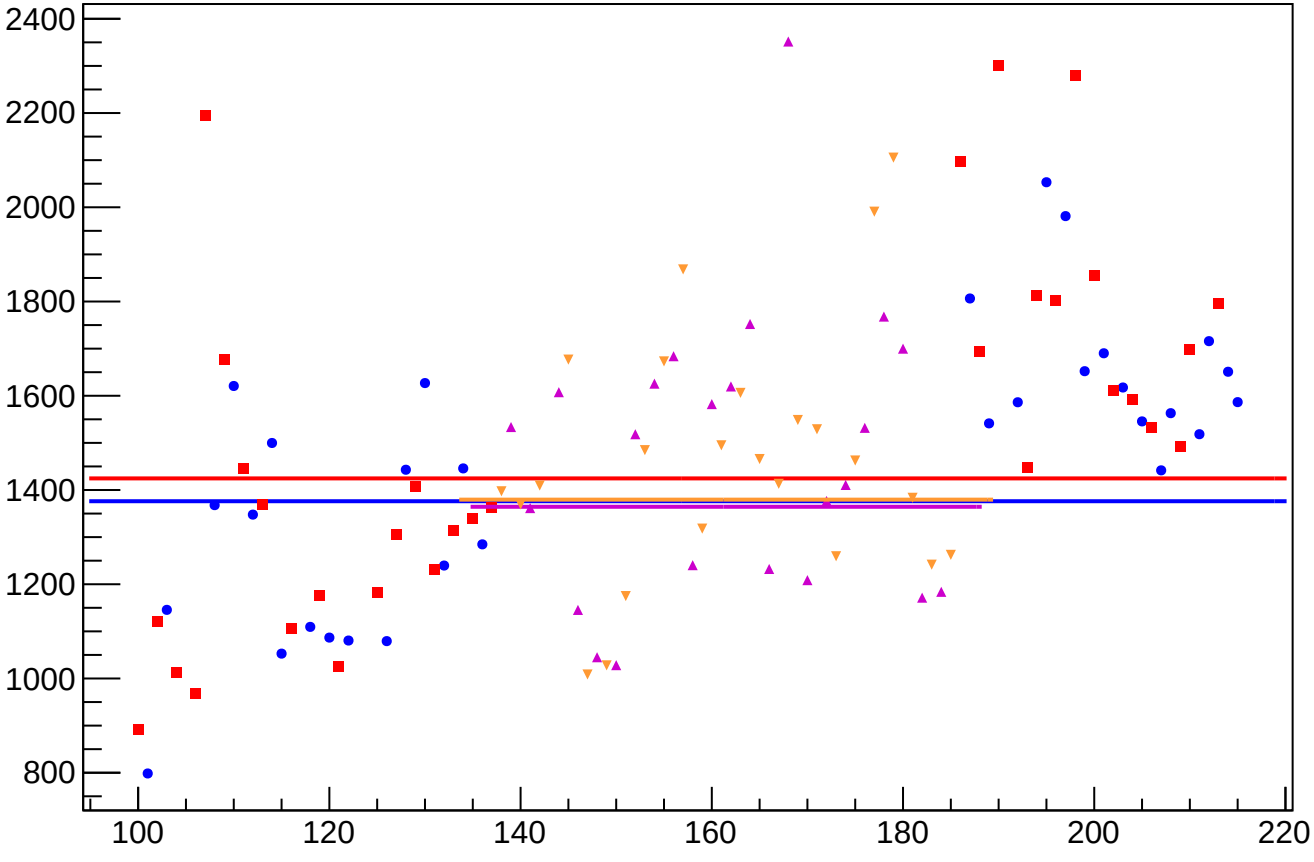
Right: -99.252+/-233.822 χ^2/NDF: 74.7/62

In: 22.685+/-229.193 χ^2/NDF:49.0/53

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

All: -102.619+/-164.344 χ^2/NDF: 117.9/109

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1376.192+/-0.228 χ^2/NDF: 1821115.0/30

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

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

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

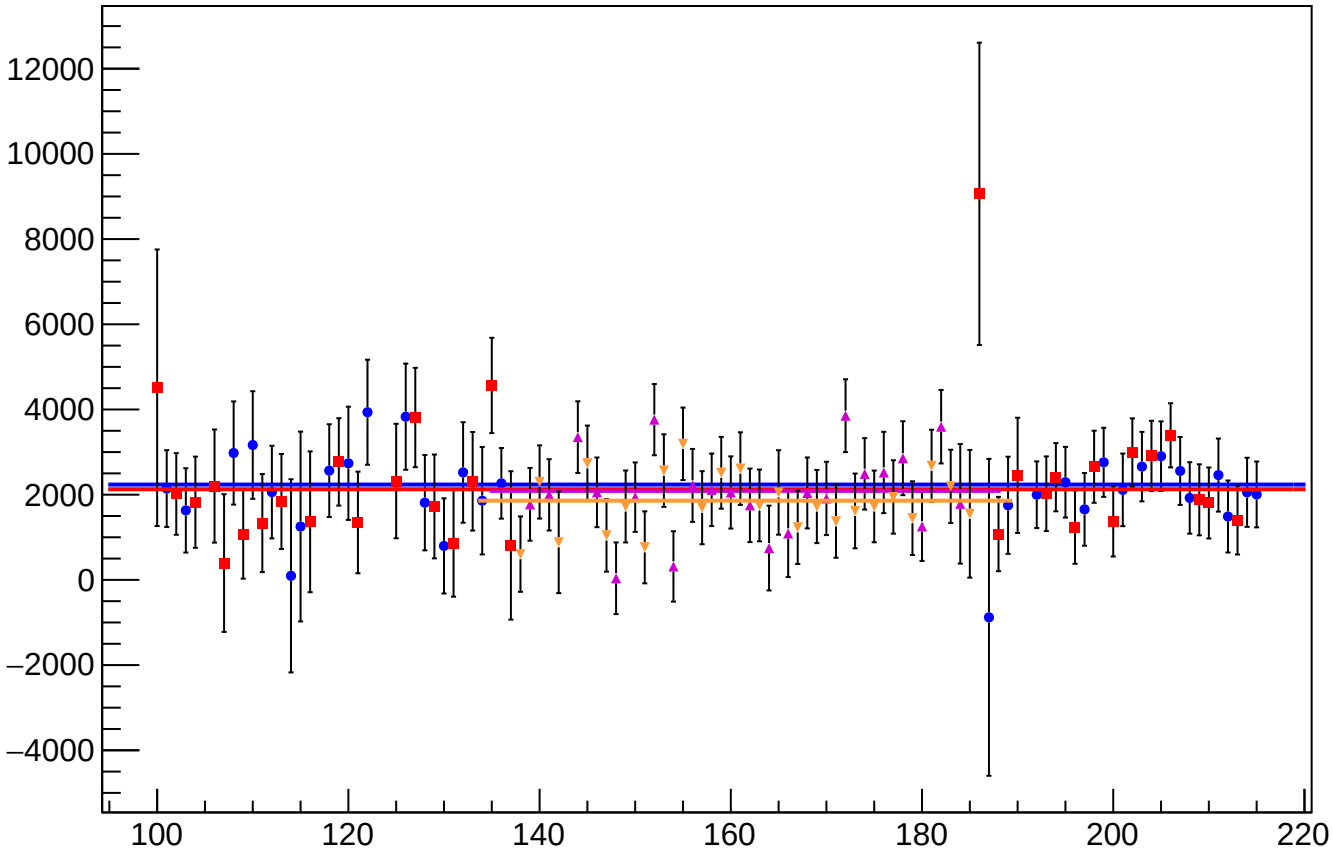
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1399.154+/-0.165 χ^2/NDF: 3558764.4/62

In: 1370.362+/-0.162 χ^2/NDF:3134735.2/53

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

All: 1385.379+/-0.116 χ^2/NDF: 6045392.3/10



Right In: 2237.271+/-176.601 χ^2/NDF: 12.2/30

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

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

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

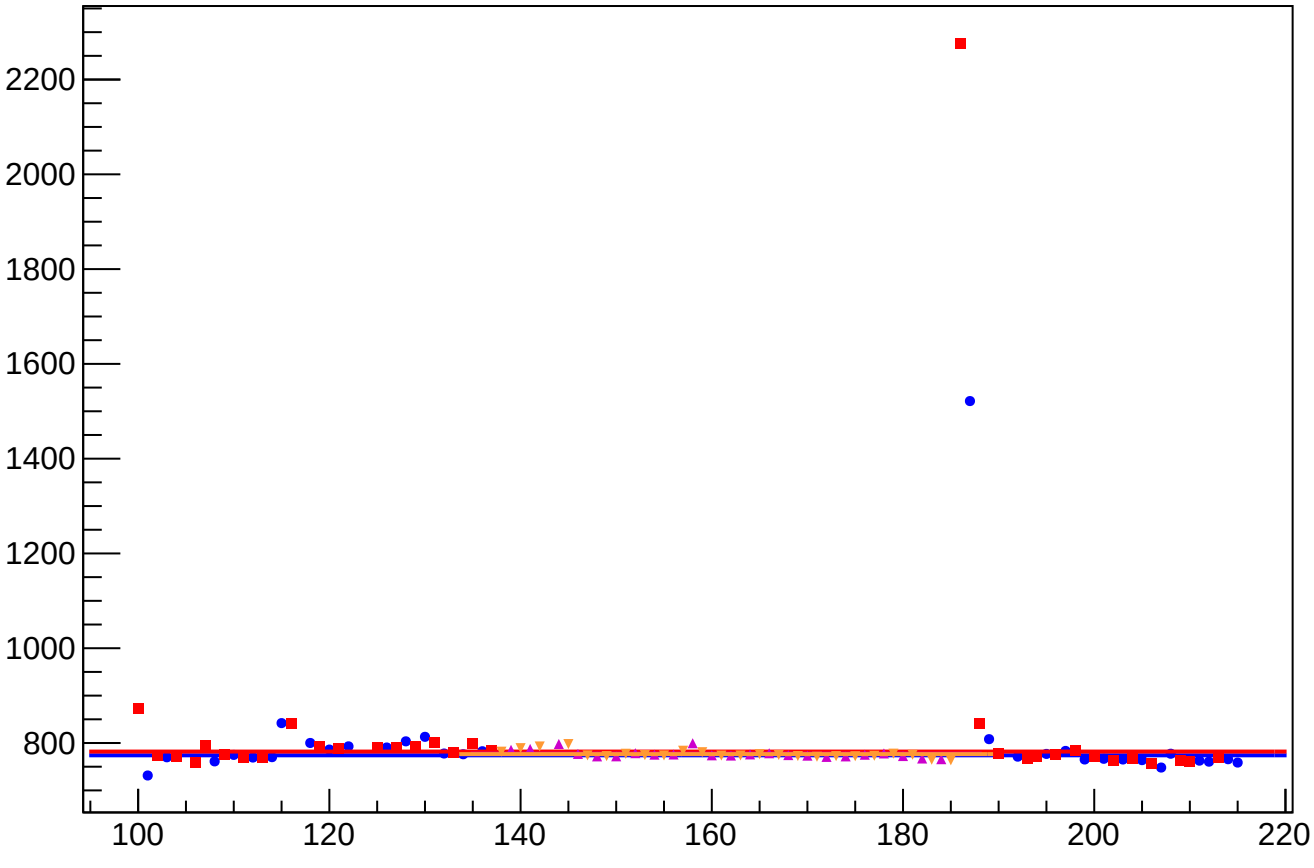
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2184.055+/-126.776 χ^2/NDF: 39.0/62

In: 2165.413+/-126.580 χ^2/NDF:42.2/53

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

All: 2079.798+/-90.038 χ^2/NDF: 84.3/109



Right In: 774.039+/-0.125 χ^2/NDF: 100566.0/30

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

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

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

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

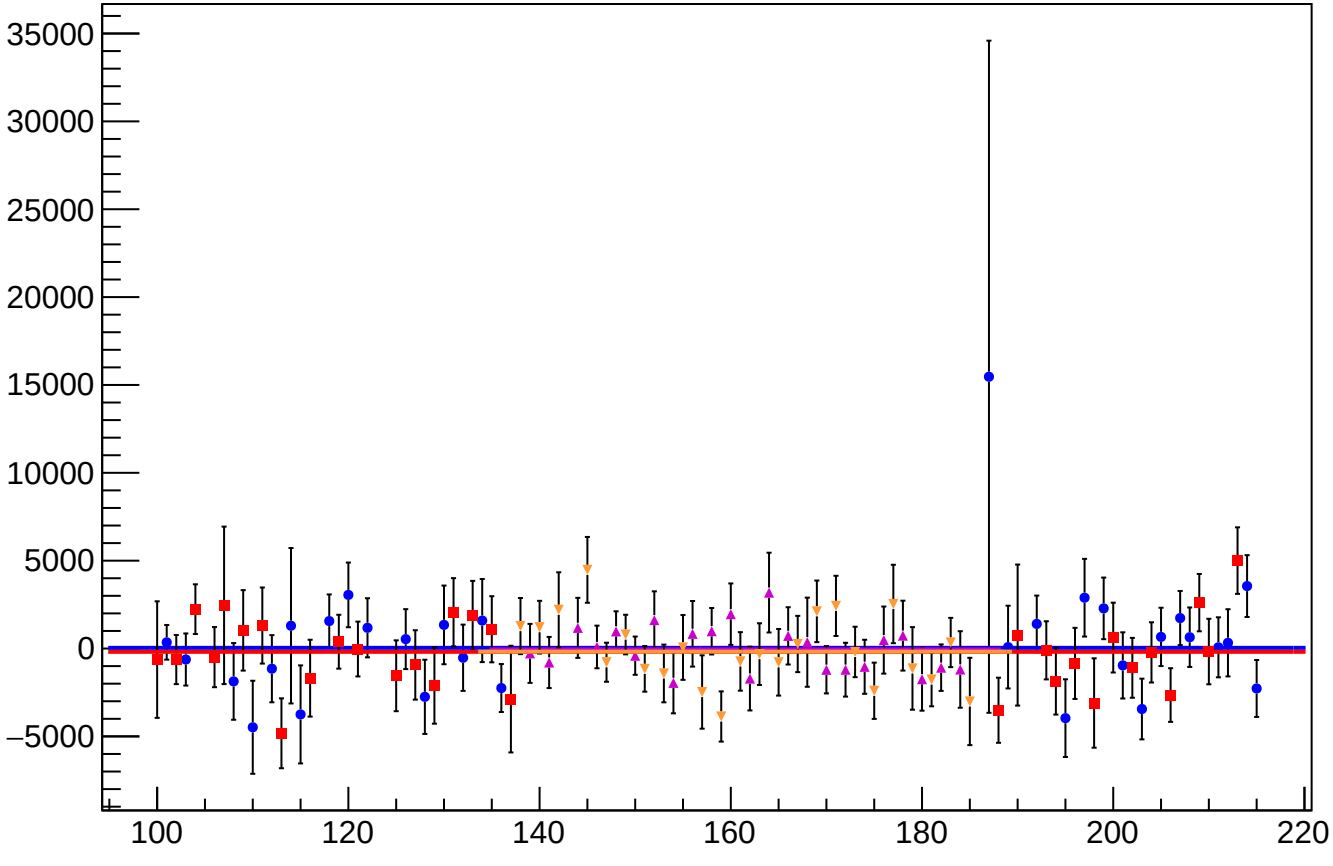
Right: 777.870+/-0.090 χ^2/NDF: 481566.7/62

In: 775.679+/-0.090 χ^2/NDF:104983.1/53

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

All: 777.422+/-0.064 χ^2/NDF: 488840.8/109

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: 39.332+/-324.246 χ^2/NDF: 35.8/30

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

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

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

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

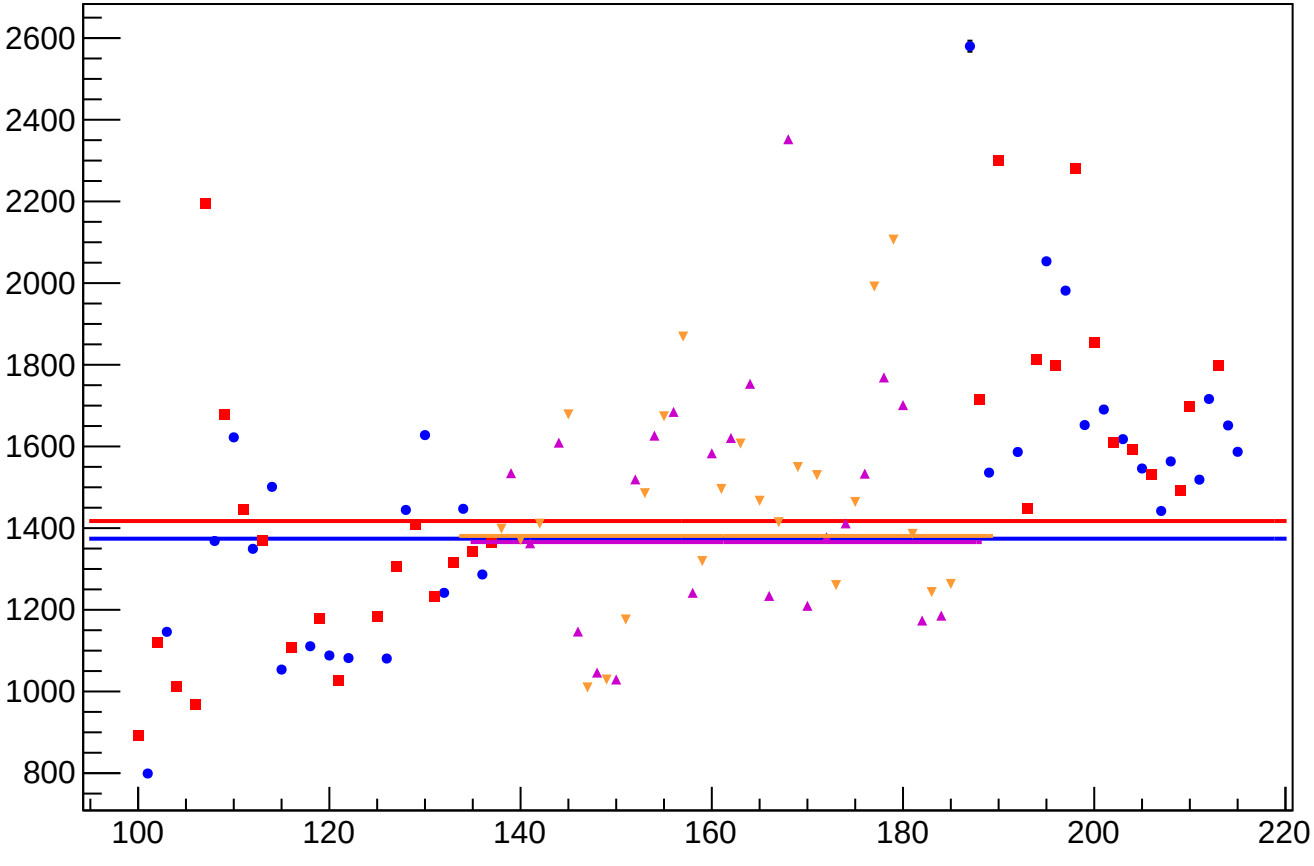
Right: -67.596+/-235.434 χ^2/NDF: 70.3/61

In: -6.478+/-229.938 χ^2/NDF:48.8/53

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

All: -90.972+/-164.982 χ^2/NDF: 113.0/108

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1374.166+/-0.229 χ^2/NDF: 1799920.7/30

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

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

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

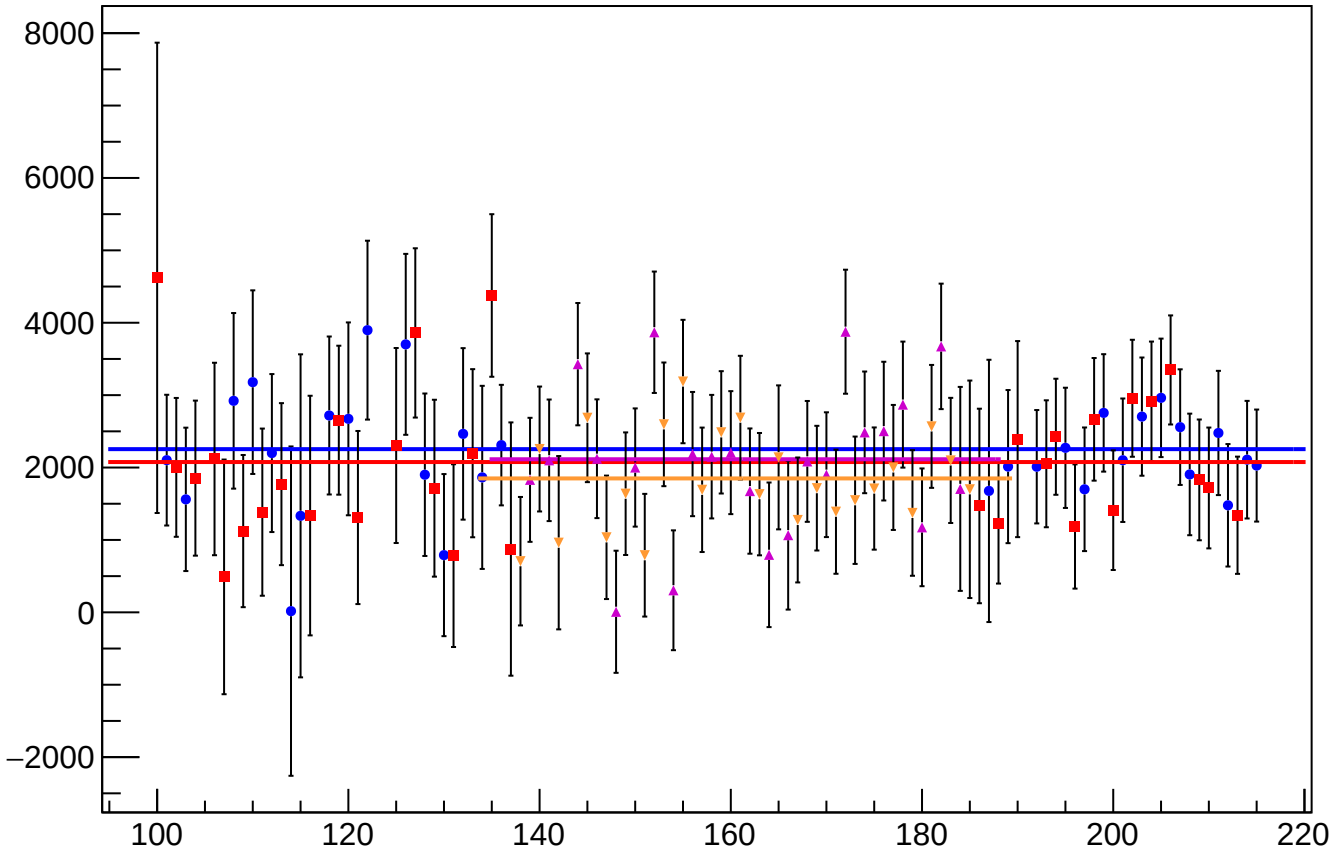
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1394.591+/-0.166 χ^2/NDF: 3441770.9/61

In: 1370.013+/-0.163 χ^2/NDF:3109443.3/53

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

All: 1383.775+/-0.117 χ^2/NDF: 5916508.8/10



Right In: 2254.176+/-175.883 χ^2/NDF: 11.3/30

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

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

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

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

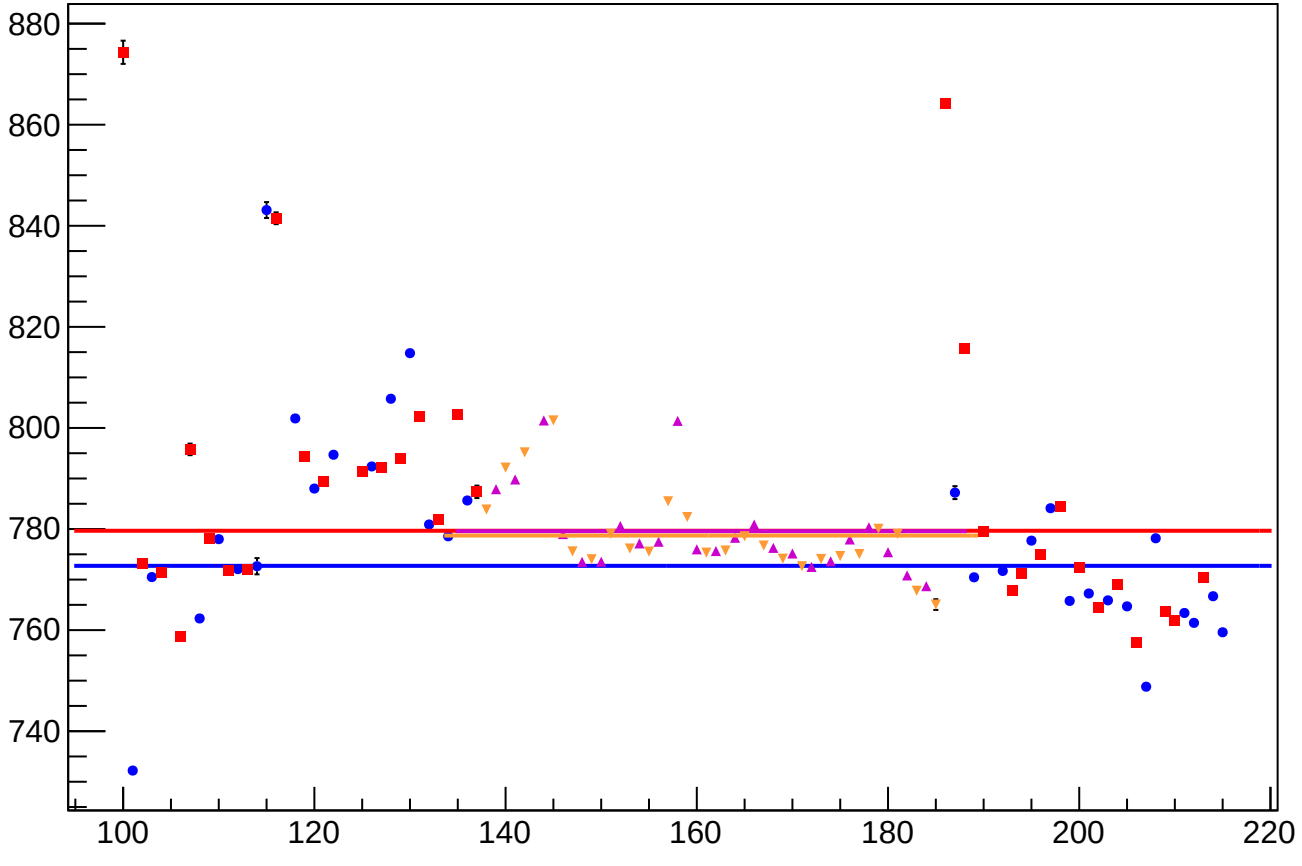
Right: 2167.405+/-125.980 χ^2/NDF: 33.6/62

In: 2186.708+/-126.485 χ^2/NDF:42.7/53

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

All: 2075.908+/-89.875 χ^2/NDF: 79.7/109

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 772.718+/-0.124 χ^2/NDF: 18499.0/30

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

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

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

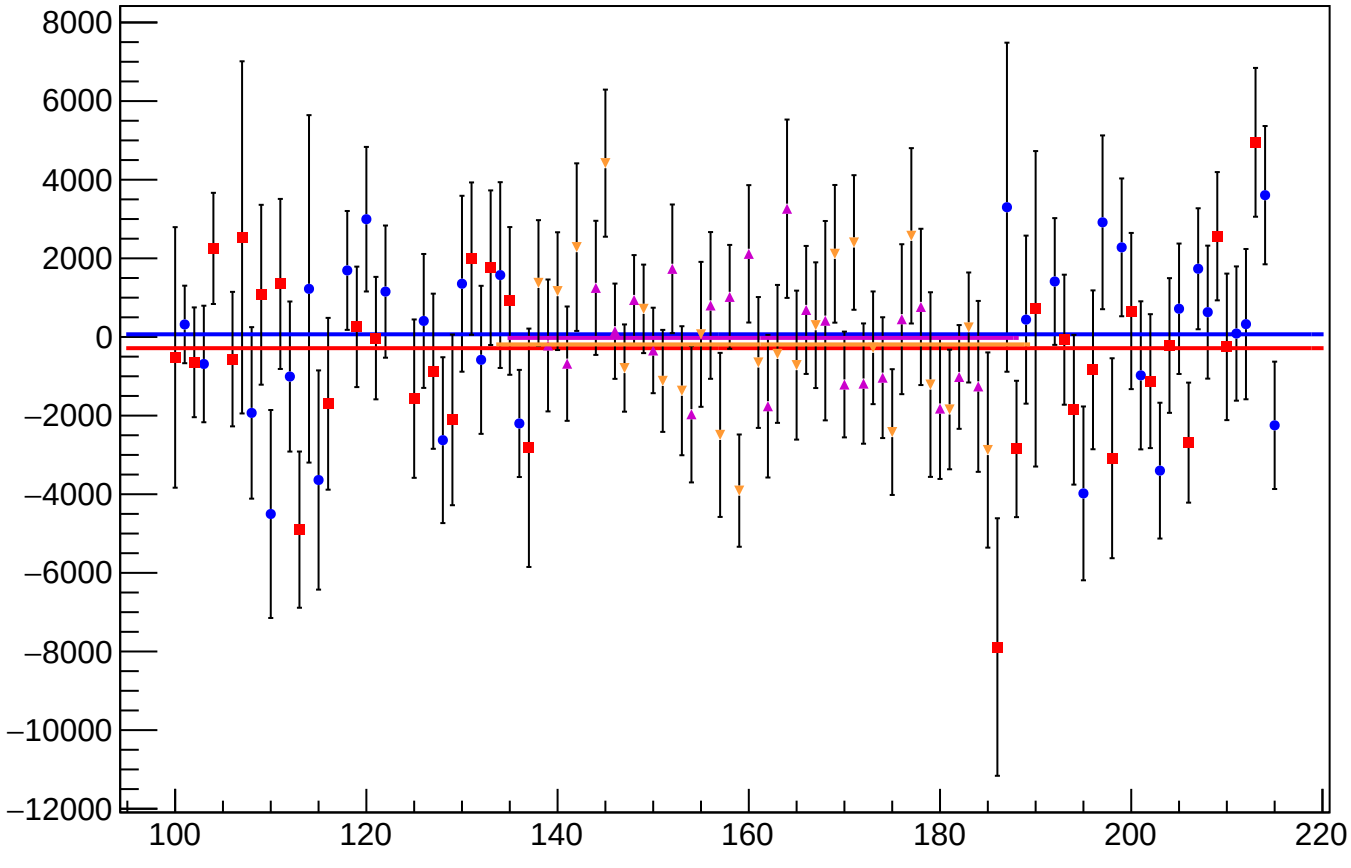
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 776.098+/-0.089 χ^2/NDF: 45526.4/62

In: 776.029+/-0.089 χ^2/NDF:24139.6/53

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

All: 777.591+/-0.064 χ^2/NDF: 53684.0/109



Right In: 68.174+/-322.471 χ^2/NDF: 35.5/30

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

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

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

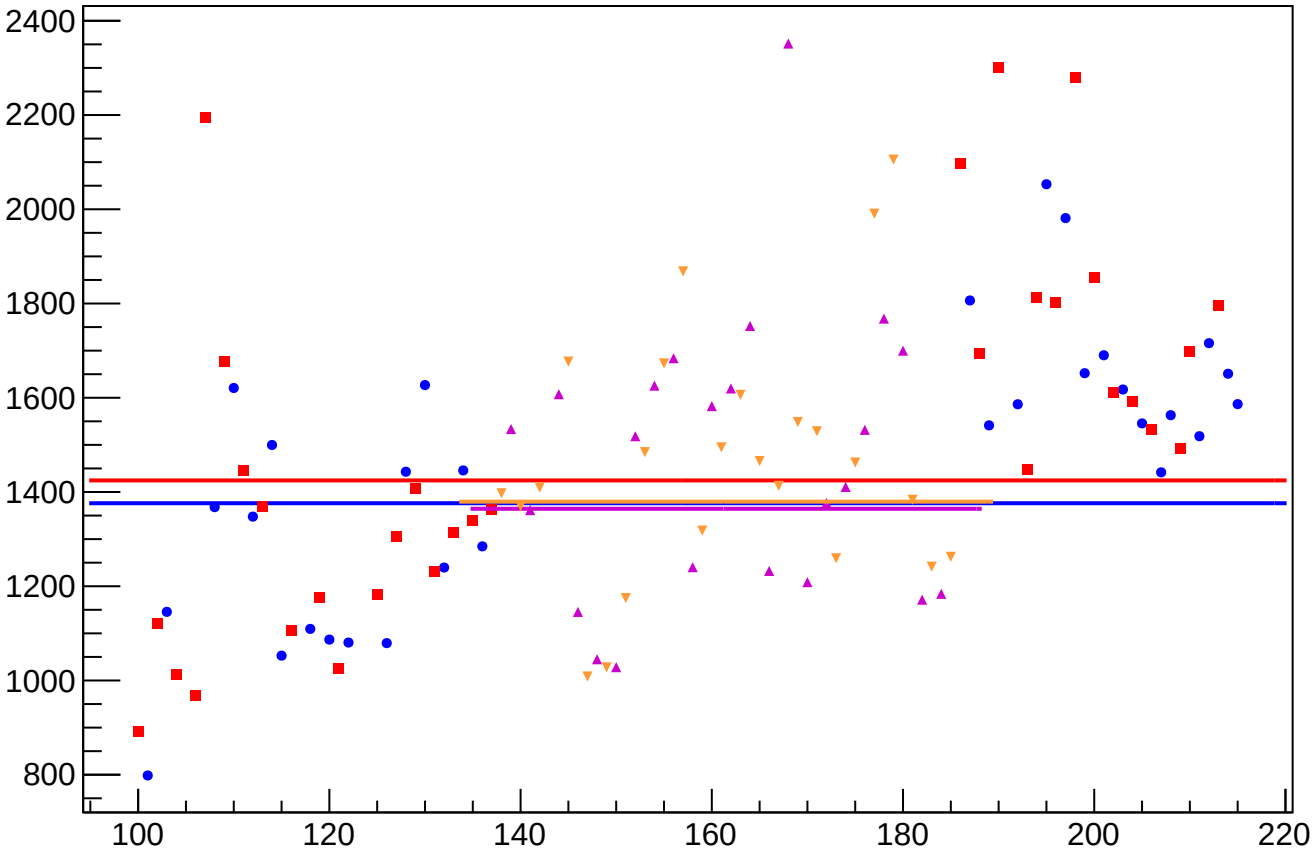
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -99.252+/-233.822 χ^2/NDF: 74.7/62

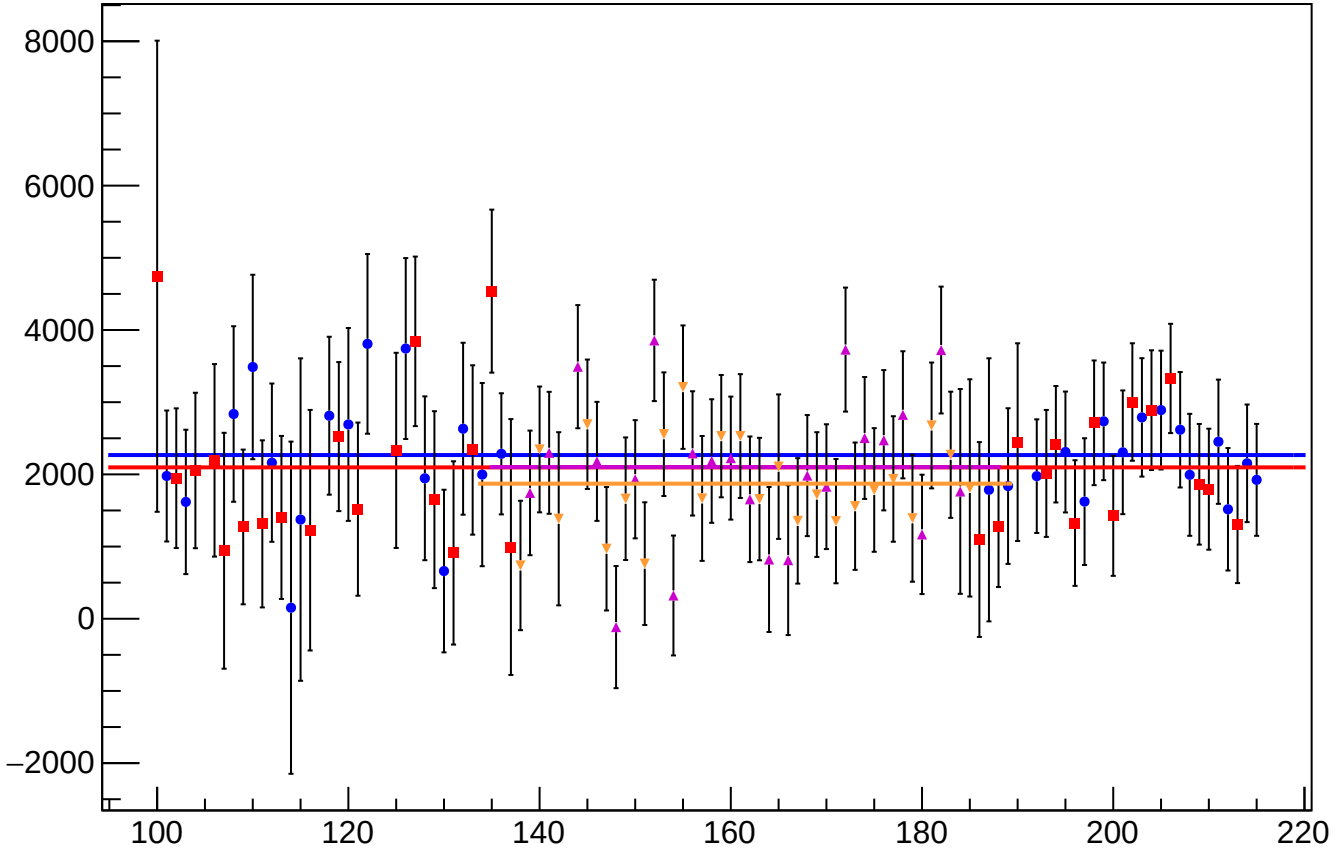
In: 22.685+/-229.193 χ^2/NDF:49.0/53

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

All: -102.619+/-164.344 χ^2/NDF: 117.9/109


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: 1376.192+/-0.228 χ²/NDF: 1821115.0/30
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1424.610+/-0.240 χ²/NDF: 1716266.4/31
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1399.154+/-0.165 χ²/NDF: 3558764.4/62
In: 1370.362+/-0.162 χ²/NDF:3134735.2/53
Out: 1401.272+/-0.167 χ²/NDF:2892984.5/55
All: 1385.379+/-0.116 χ²/NDF: 6045392.3/10

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2267.773+/-176.995 χ^2/NDF: 11.8/30

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

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

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

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

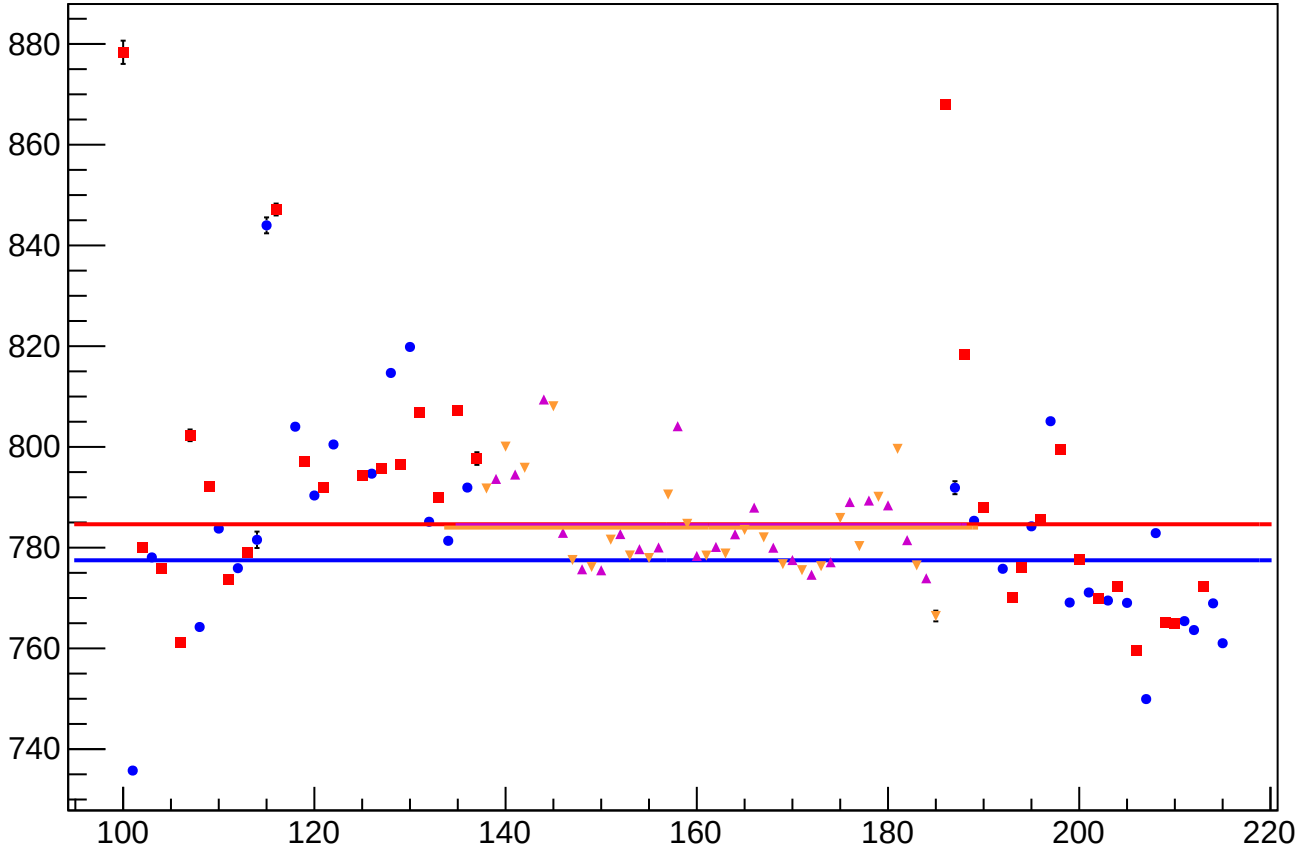
Right: 2184.656+/-126.795 χ^2/NDF: 33.5/62

In: 2187.272+/-127.285 χ^2/NDF:43.9/53

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

All: 2086.870+/-90.461 χ^2/NDF: 79.7/109

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 777.493+/-0.125 χ^2/NDF: 21969.1/30

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

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

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

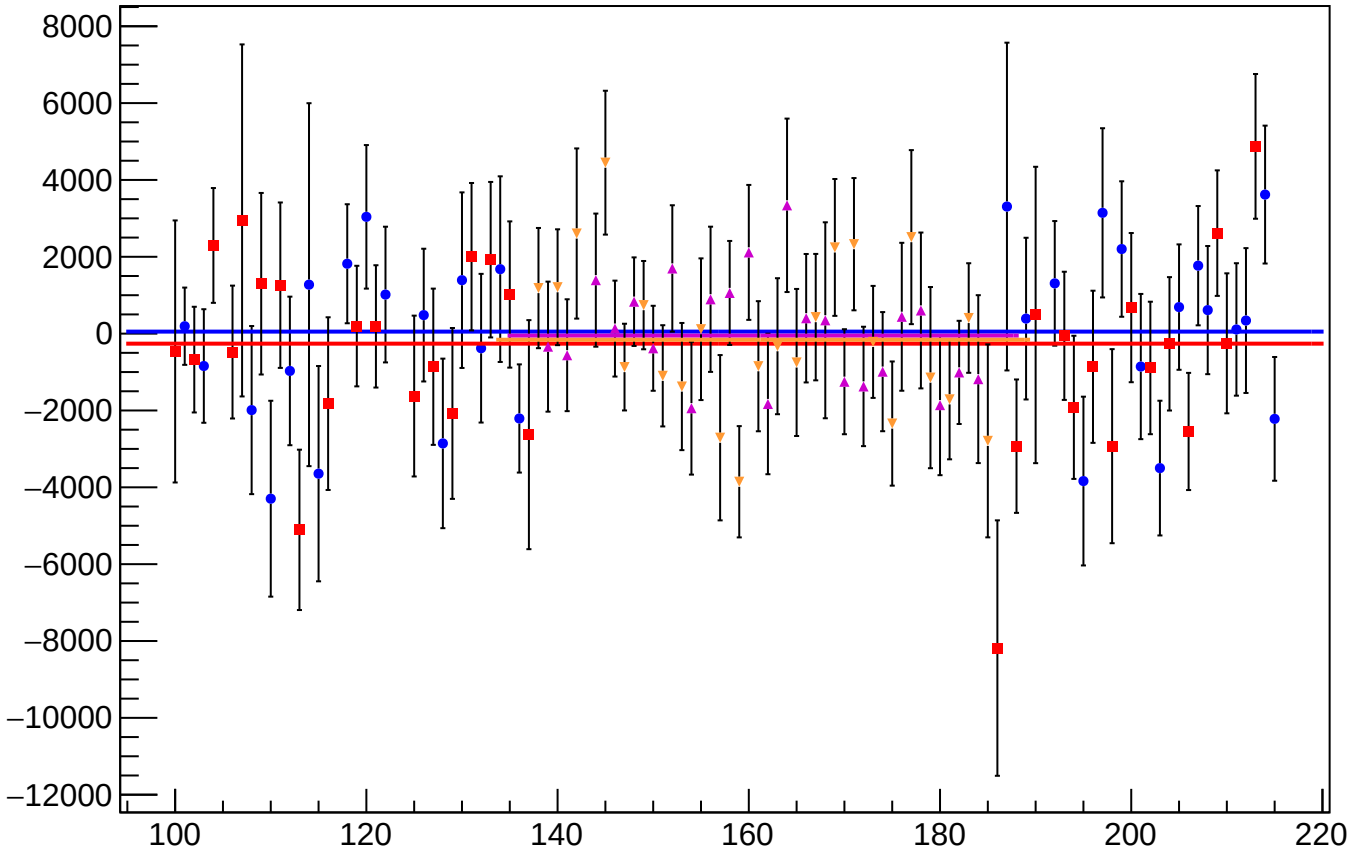
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 780.975+/-0.090 χ^2/NDF: 50139.0/62

In: 780.863+/-0.090 χ^2/NDF:28398.4/53

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

All: 782.571+/-0.064 χ^2/NDF: 60647.3/109



Right In: 52.668+/-325.915 χ^2/NDF: 35.2/30

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

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

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

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

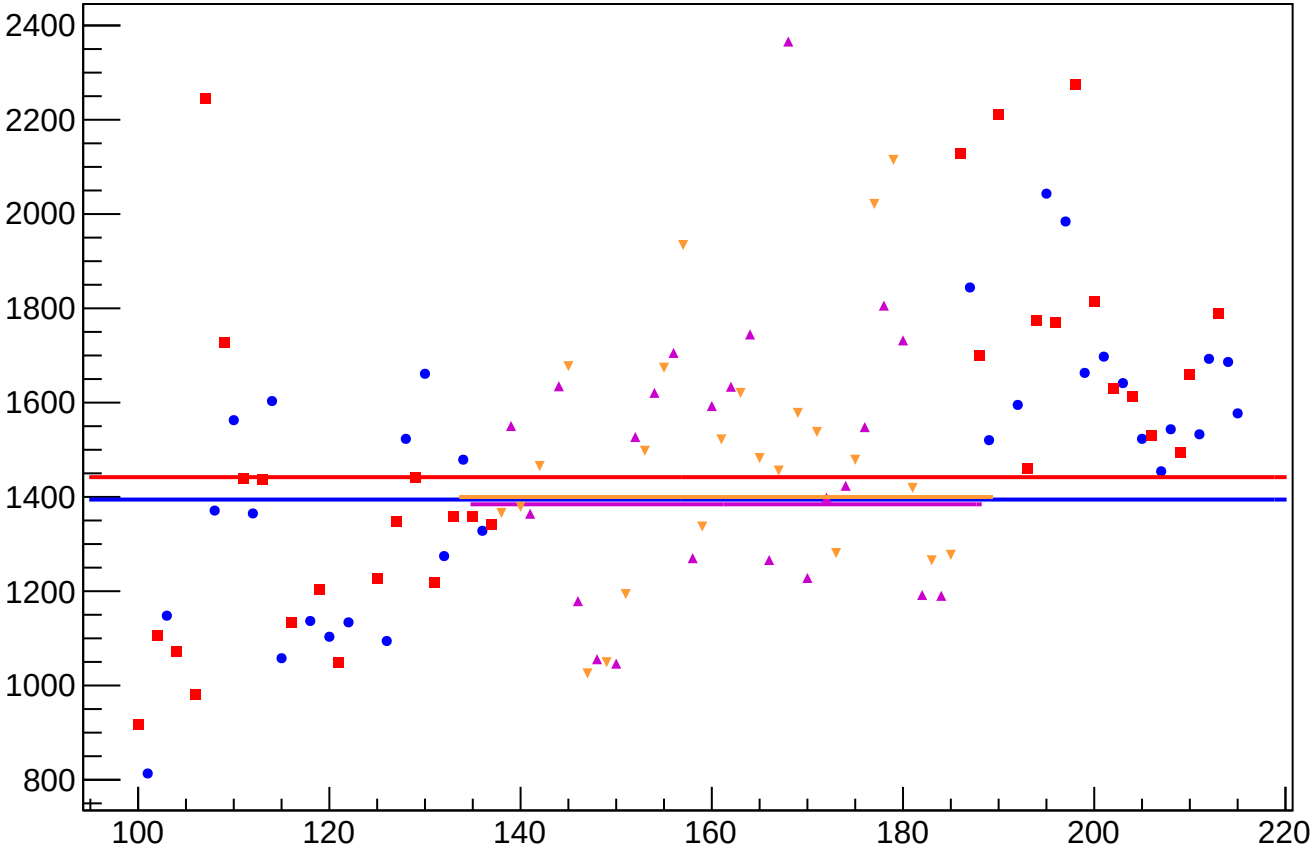
Right: -96.277+/-236.160 χ^2/NDF: 74.2/62

In: 1.030+/-231.959 χ^2/NDF:48.7/53

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

All: -100.828+/-166.289 χ^2/NDF: 116.8/109

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1394.395+/-0.230 χ^2/NDF: 1710725.4/30

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

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

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

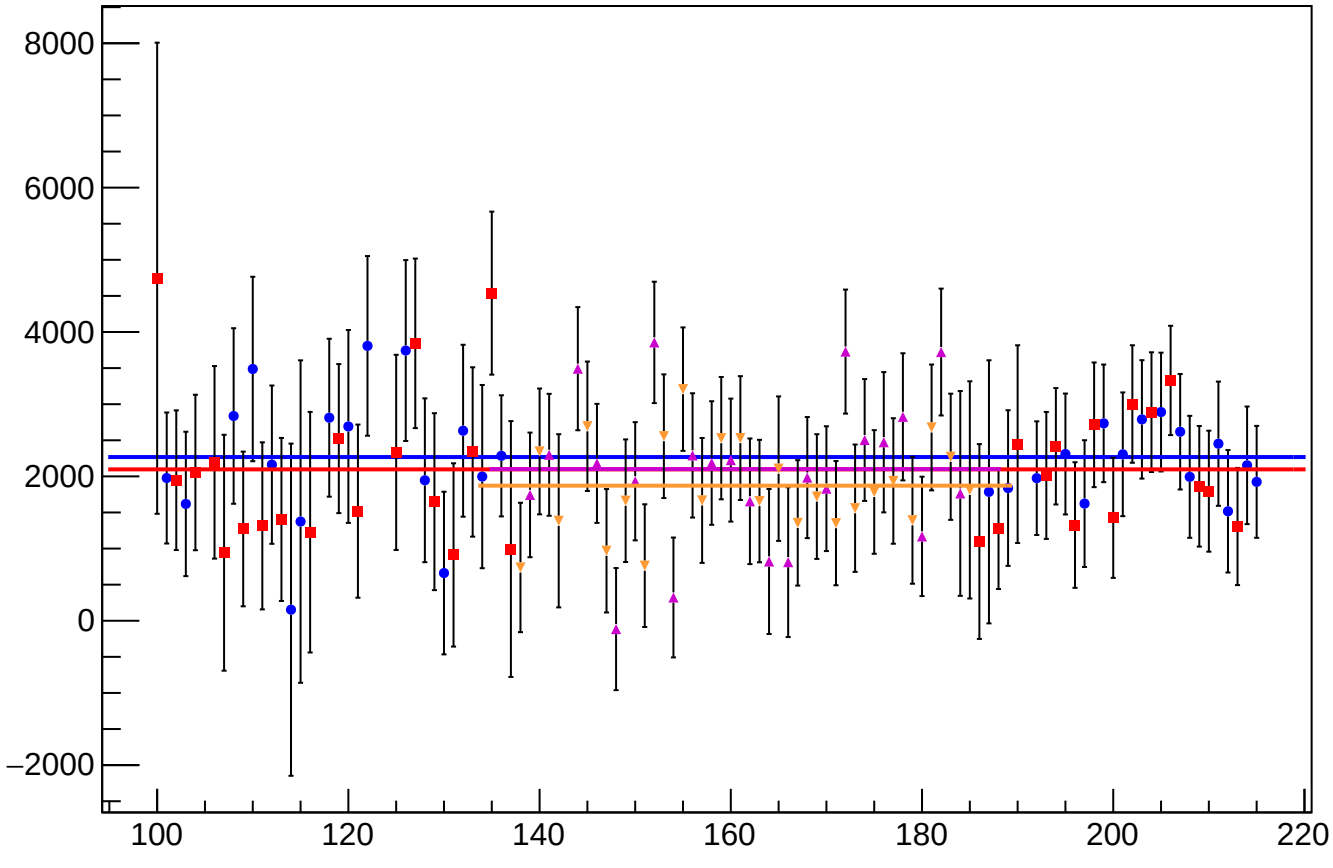
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1416.966+/-0.167 χ^2/NDF: 3288258.4/62

In: 1389.430+/-0.164 χ^2/NDF:2981602.5/53

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

All: 1404.368+/-0.118 χ^2/NDF: 5707991.3/10



Right In: 2267.774+/-176.995 χ^2/NDF: 11.8/30

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

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

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

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

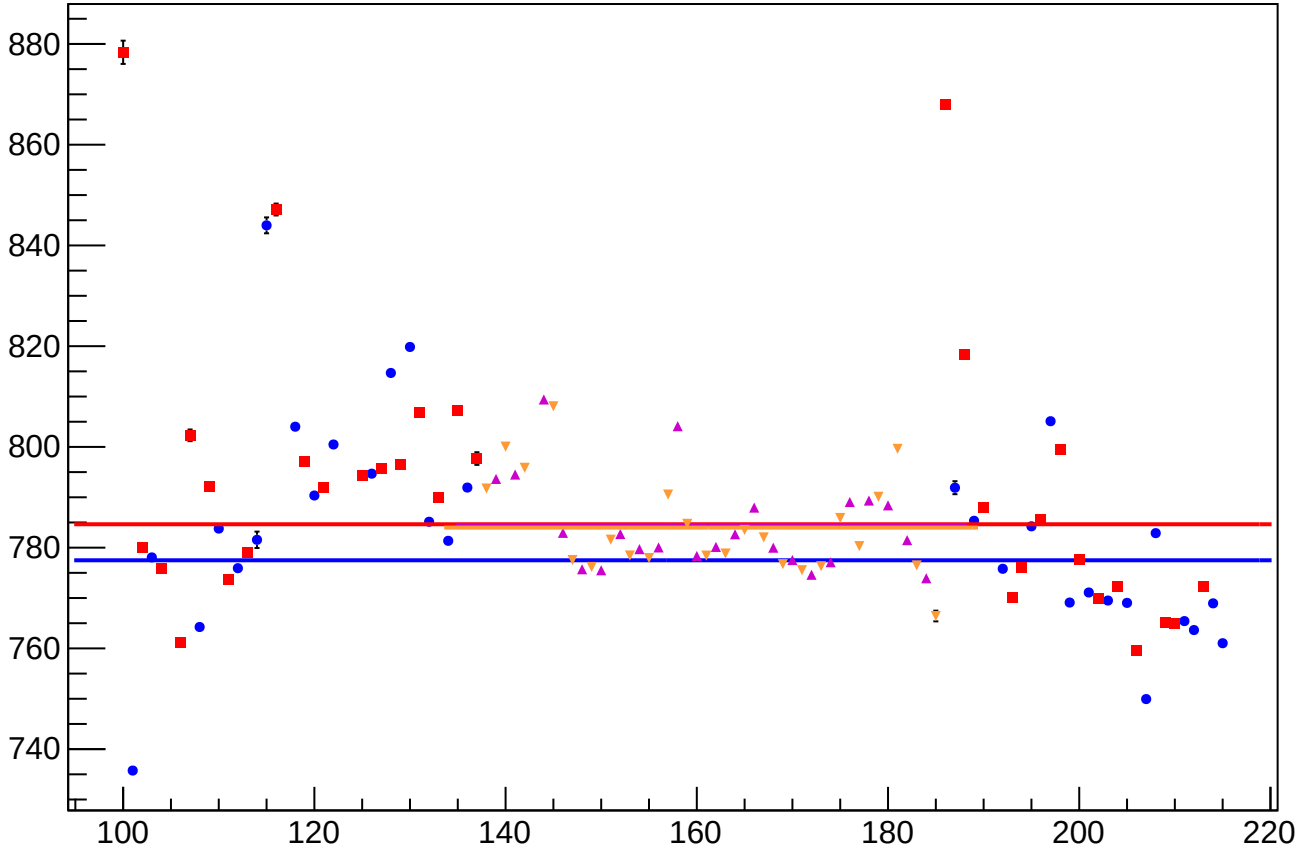
Right: 2184.656+/-126.795 χ^2/NDF: 33.5/62

In: 2187.272+/-127.285 χ^2/NDF:43.9/53

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

All: 2086.869+/-90.461 χ^2/NDF: 79.7/109

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 777.493+/-0.125 χ^2/NDF: 21969.0/30

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

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

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

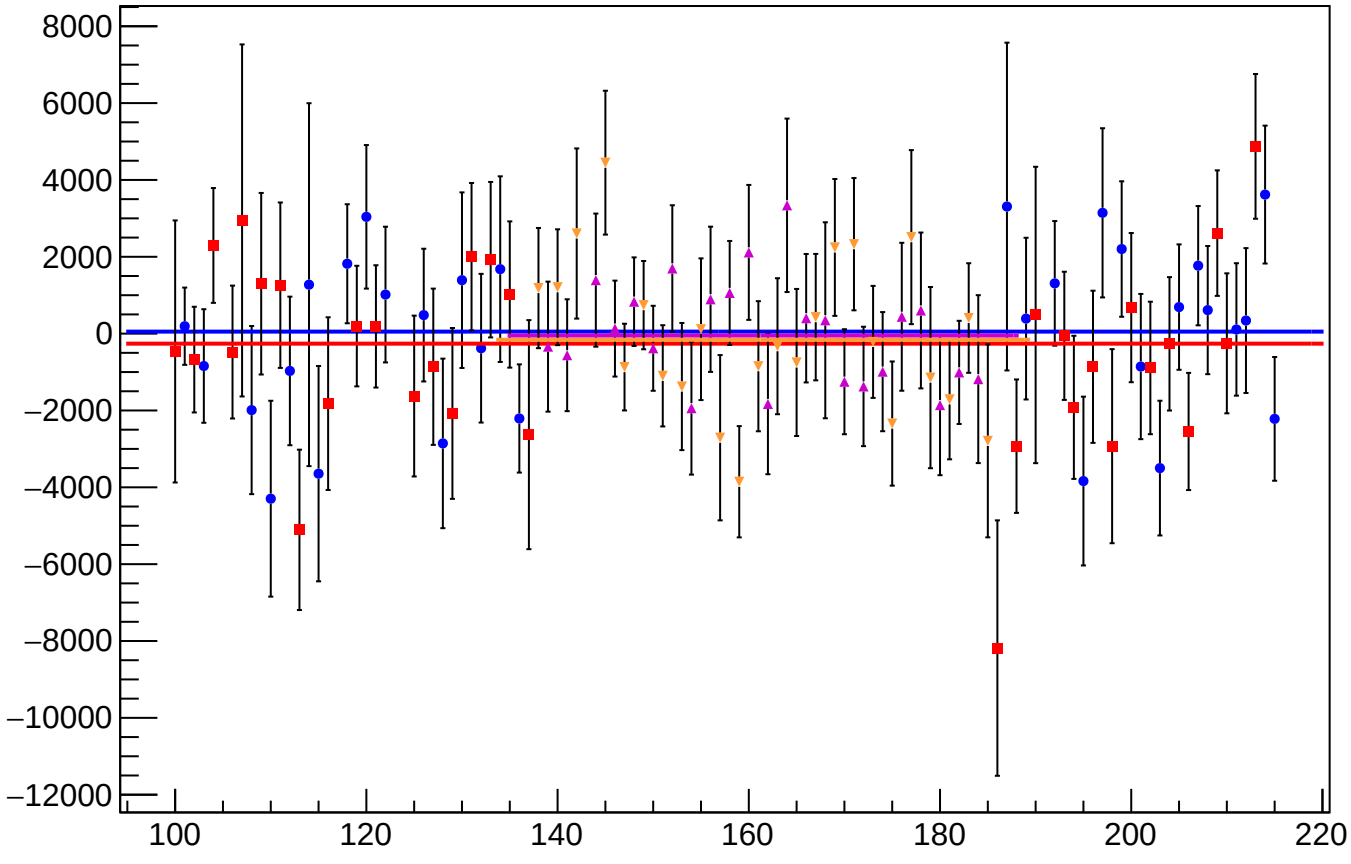
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 780.975+/-0.090 χ^2/NDF: 50138.8/62

In: 780.863+/-0.090 χ^2/NDF:28398.3/53

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

All: 782.571+/-0.064 χ^2/NDF: 60647.1/109



Right In: 52.667+/-325.915 χ^2/NDF: 35.2/30

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

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

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

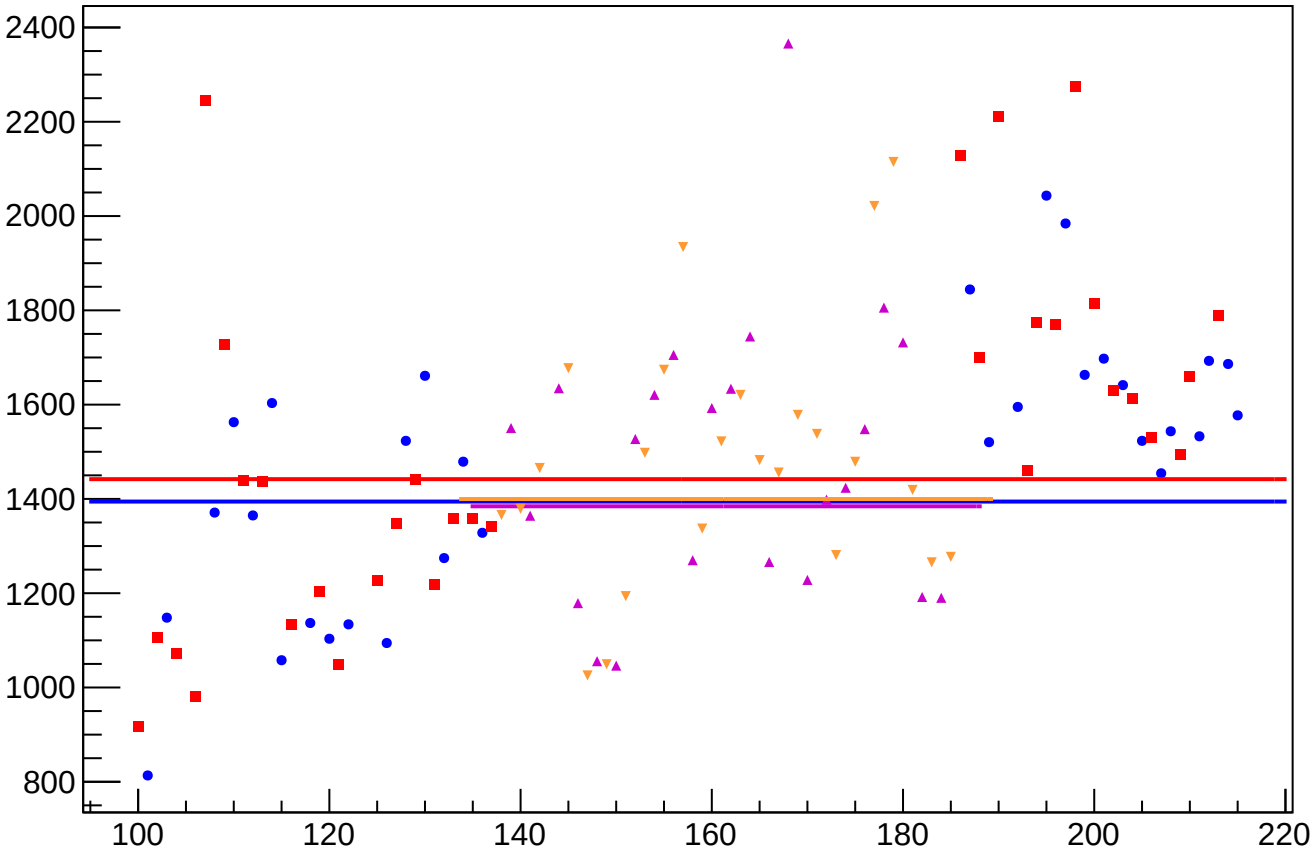
Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

Right: -96.276+/-236.160 χ^2/NDF: 74.2/62

In: 1.031+/-231.959 χ^2/NDF:48.7/53

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

All: -100.829+/-166.289 χ^2/NDF: 116.8/109



Right In: 1394.393+/-0.230 χ^2/NDF: 1710747.5/30

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

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

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

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

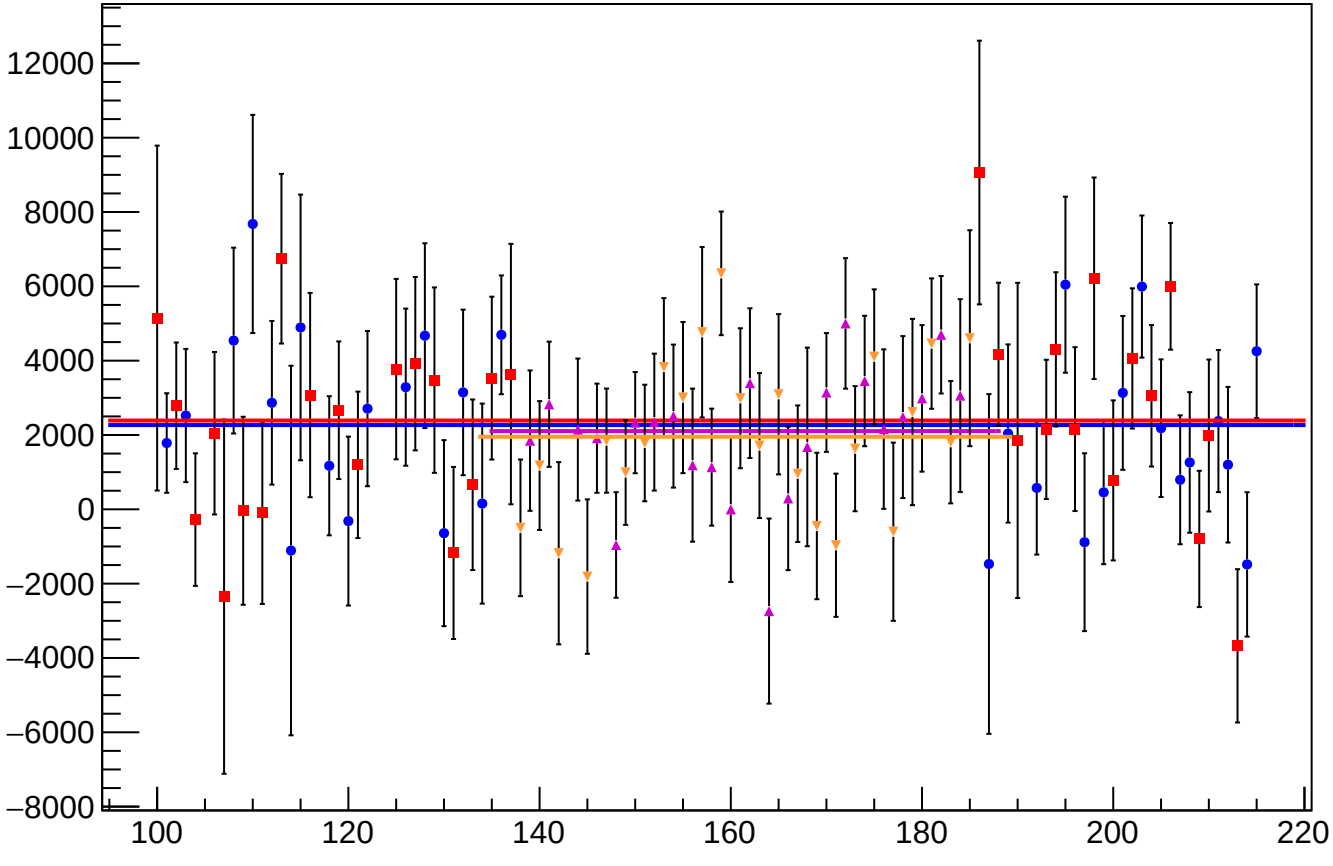
Right: 1416.965+/-0.167 χ^2/NDF: 3288301.2/62

In: 1389.431+/-0.164 χ^2/NDF:2981624.4/53

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

All: 1404.369+/-0.118 χ^2/NDF: 5708032.0/10

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2267.262+/-375.449 χ^2/NDF: 29.6/30

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

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

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

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

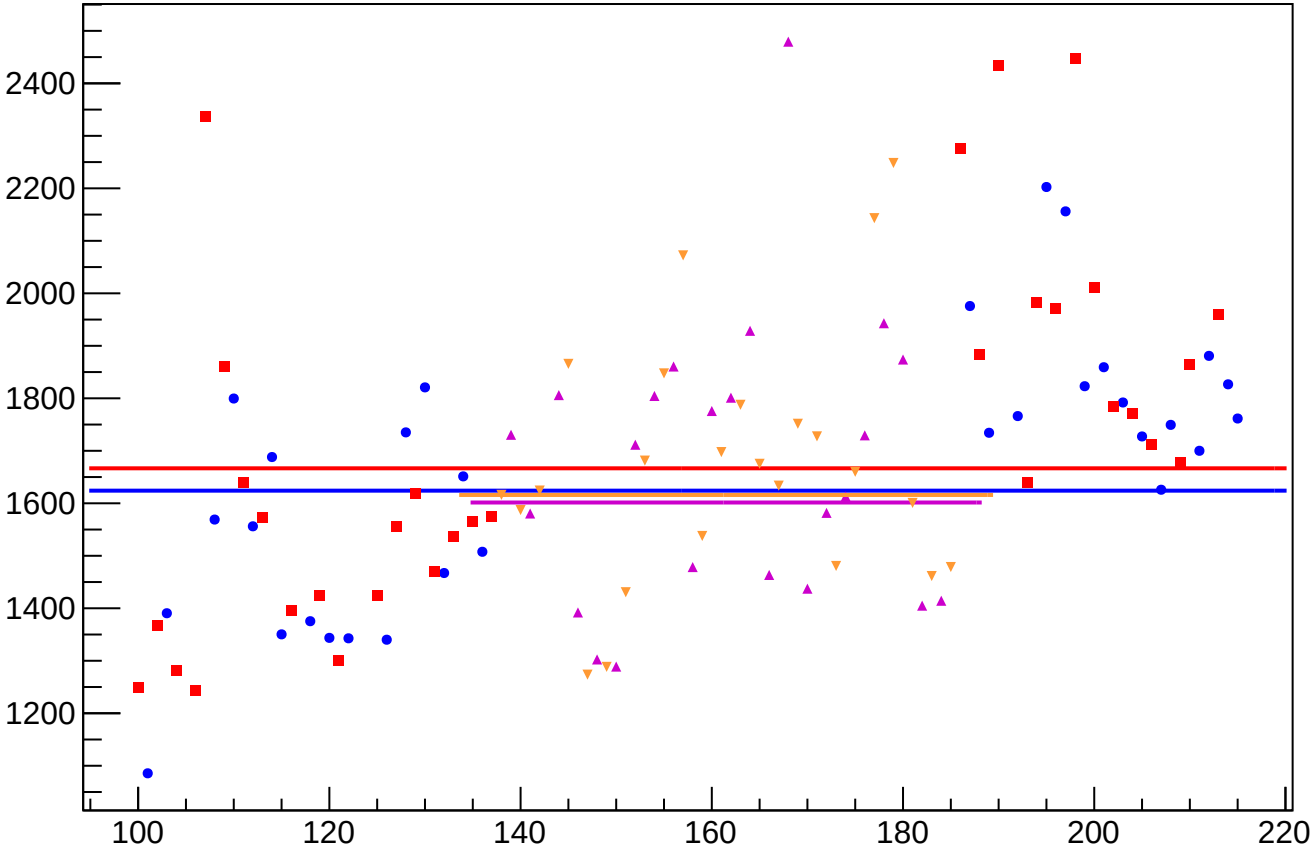
Right: 2325.645+/-271.333 χ^2/NDF: 68.6/62

In: 2187.111+/-266.747 χ^2/NDF:48.3/53

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

All: 2175.822+/-190.837 χ^2/NDF: 115.2/109

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1624.076+/-0.265 χ^2/NDF: 945526.8/30

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

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

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

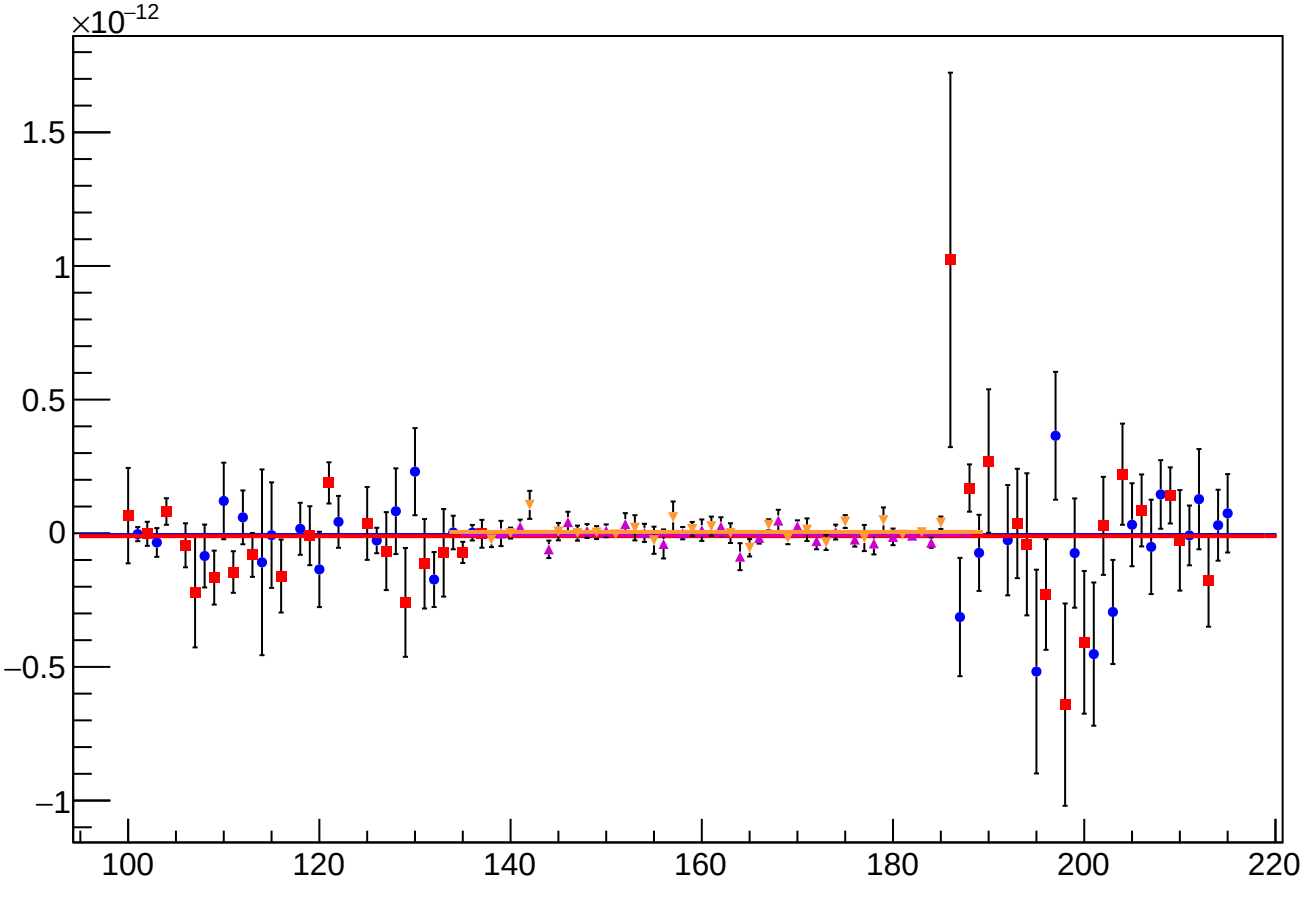
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1644.410+/-0.192 χ^2/NDF: 1957614.2/62

In: 1612.894+/-0.189 χ^2/NDF:1742831.9/53

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

All: 1626.341+/-0.135 χ^2/NDF: 3464673.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/30

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

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

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

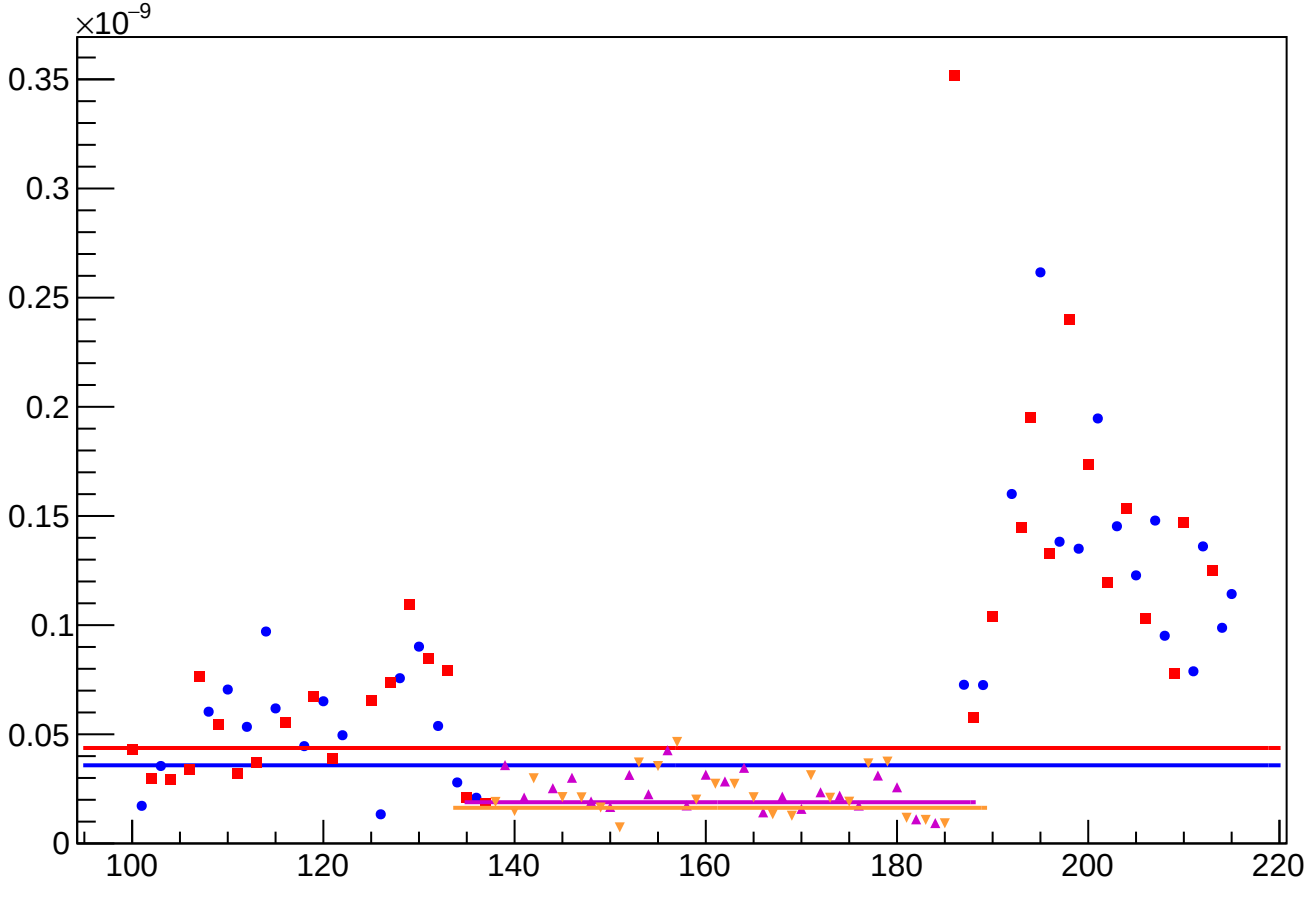
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 64.6/62

In: -0.000+/-0.000 χ^2/NDF:41.8/53

Out: 0.000+/-0.000 χ^2/NDF:64.0/55

All: -0.000+/-0.000 χ^2/NDF: 107.2/109



Right In: 0.000+/-0.000 χ^2/NDF: 10439951.7/30

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

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

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

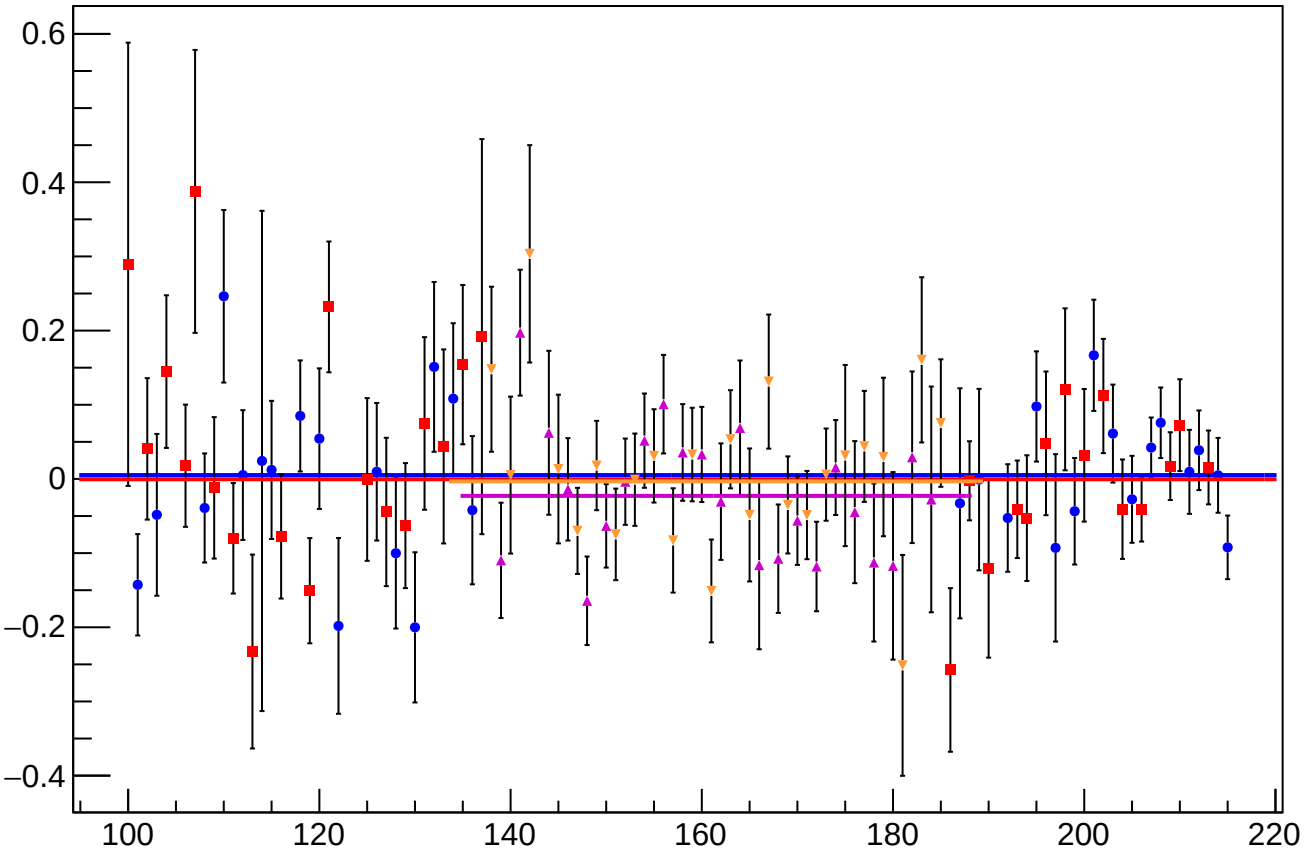
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 18732203.8/62

In: 0.000+/-0.000 χ^2/NDF:16091587.4/53

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

All: 0.000+/-0.000 χ^2/NDF: 33412408.3/109



Right In: 0.005+/-0.013 χ^2/NDF: 39.6/30

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

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

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

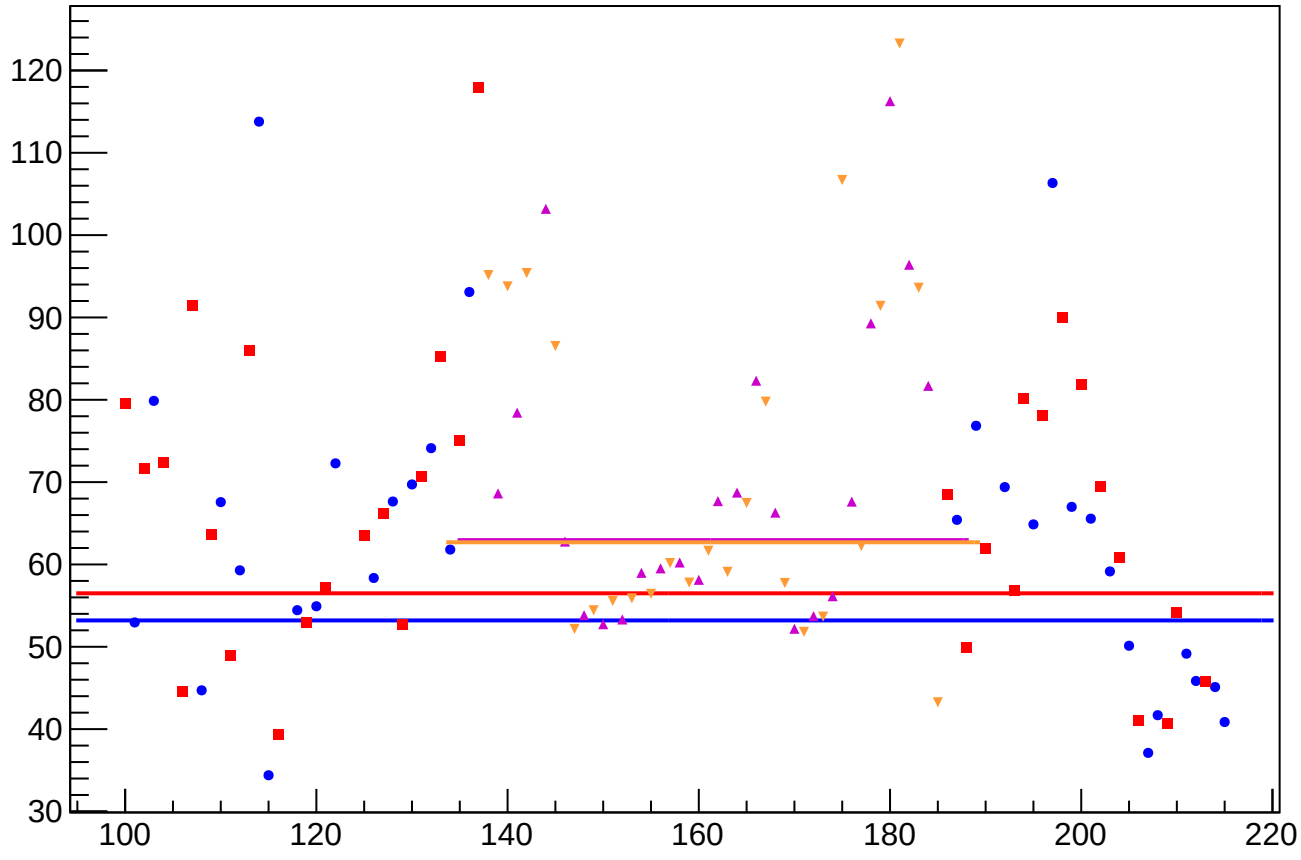
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.003+/-0.010 χ^2/NDF: 81.3/62

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.004+/-0.007 χ^2/NDF: 138.1/109



Right In: 53.201+/-0.009 χ^2/NDF: 2322443.2/30

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

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

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

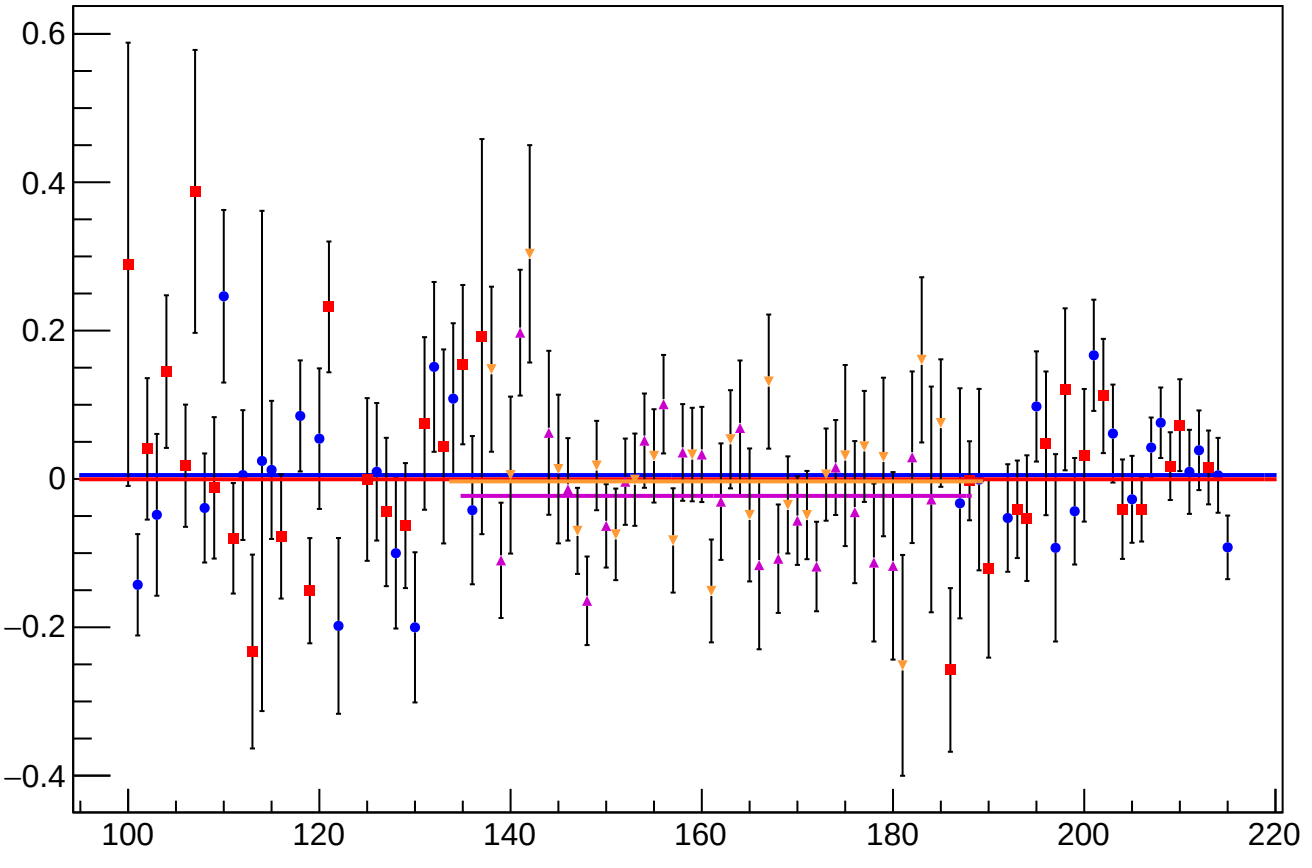
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 54.726+/-0.007 χ^2/NDF: 4468216.0/62

In: 57.263+/-0.007 χ^2/NDF:4215531.6/53

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

All: 58.241+/-0.005 χ^2/NDF: 8457080.4/109



Right In: 0.005+/-0.013 χ^2/NDF: 39.6/30

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

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

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

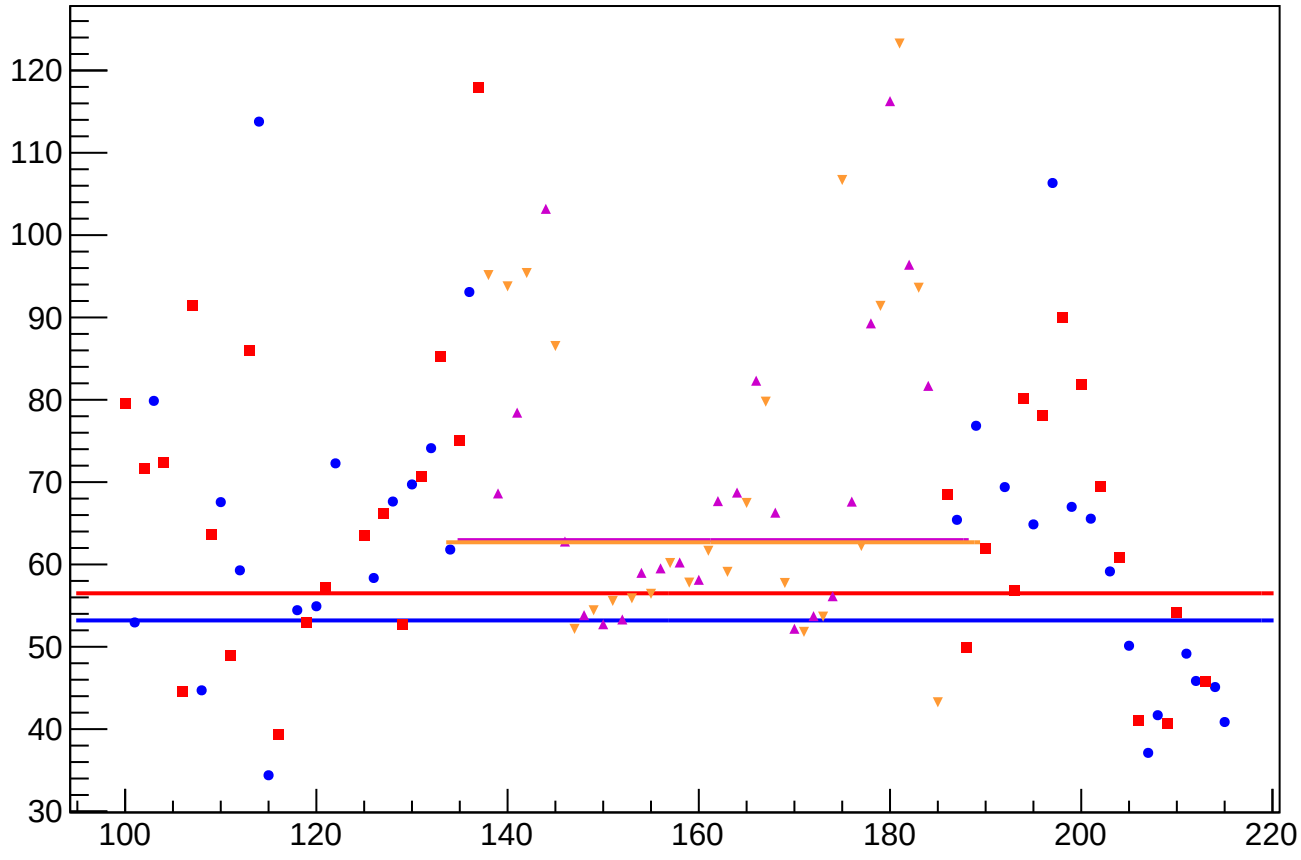
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.003+/-0.010 χ^2/NDF: 81.3/62

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.004+/-0.007 χ^2/NDF: 138.1/109



Right In: 53.201+/-0.009 χ^2/NDF: 2322443.2/30

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

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

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

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

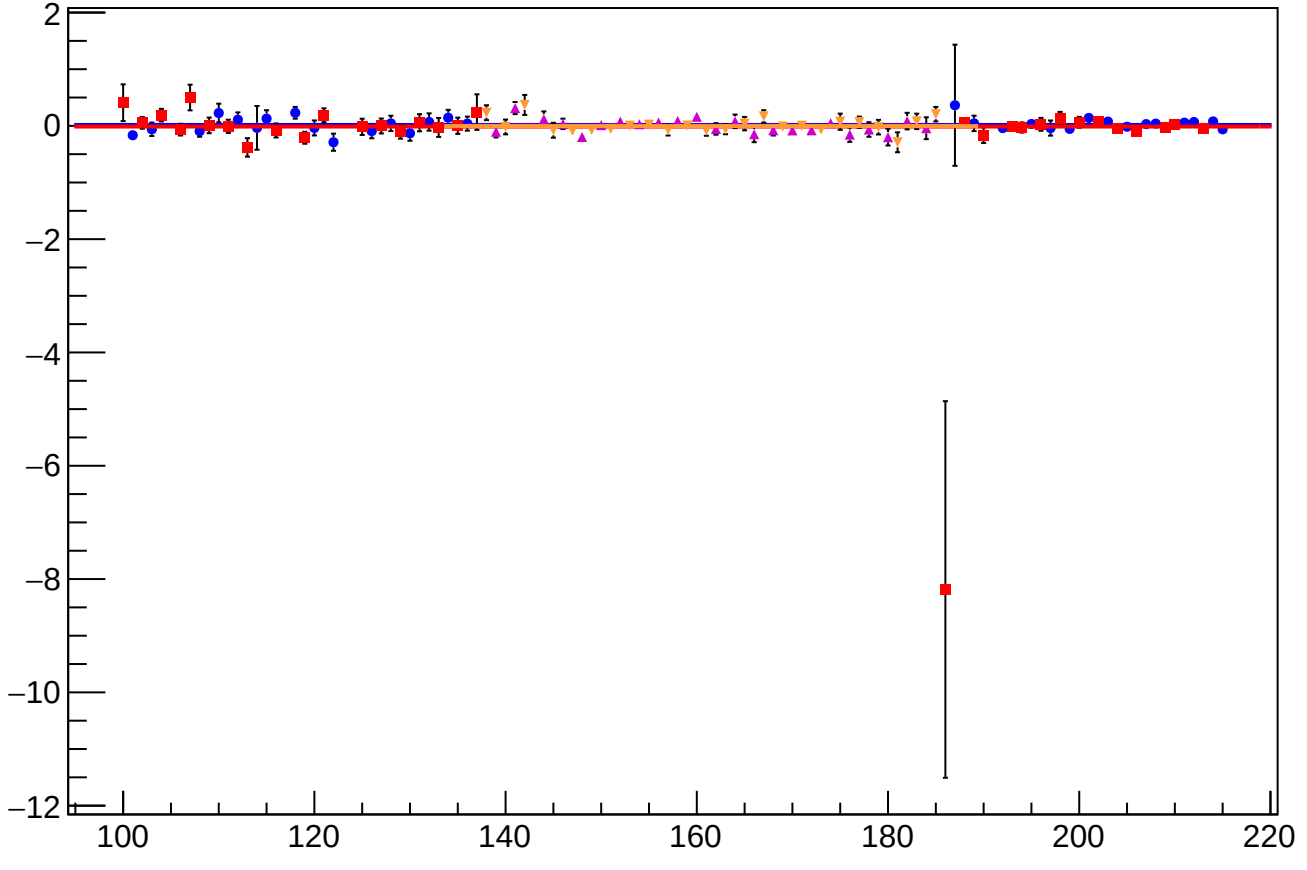
Right: 54.726+/-0.007 χ^2/NDF: 4468216.0/62

In: 57.263+/-0.007 χ^2/NDF:4215531.6/53

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

All: 58.241+/-0.005 χ^2/NDF: 8457080.4/109

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.016 χ^2/NDF: 29.4/30

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

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

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

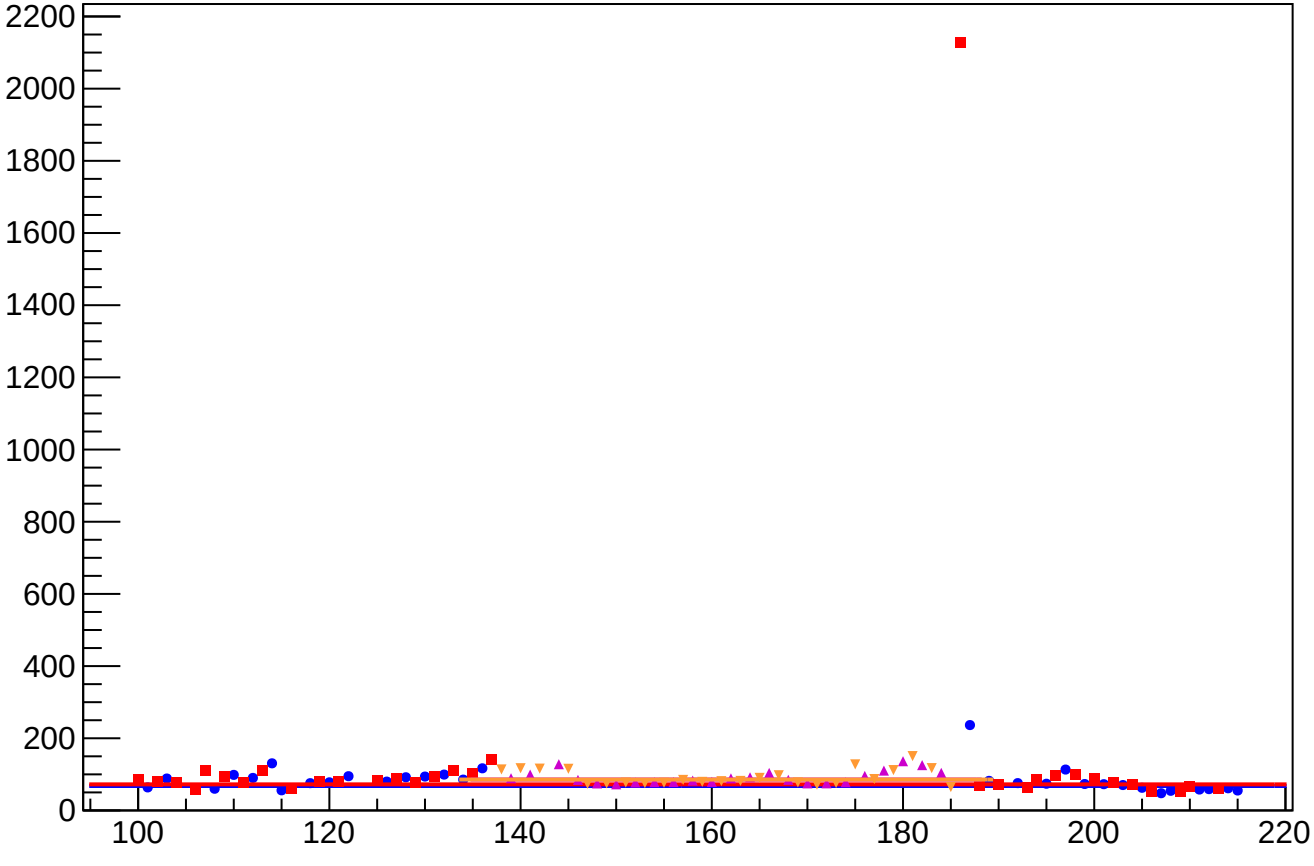
Right: 0.003+/-0.012 χ^2/NDF: 69.6/62

In: 0.010+/-0.013 χ^2/NDF:60.2/53

Out: -0.009+/-0.014 χ^2/NDF:60.4/55

All: 0.001+/-0.009 χ^2/NDF: 121.6/109

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.835+/-0.012 χ^2/NDF: 1898419.4/30

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

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

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

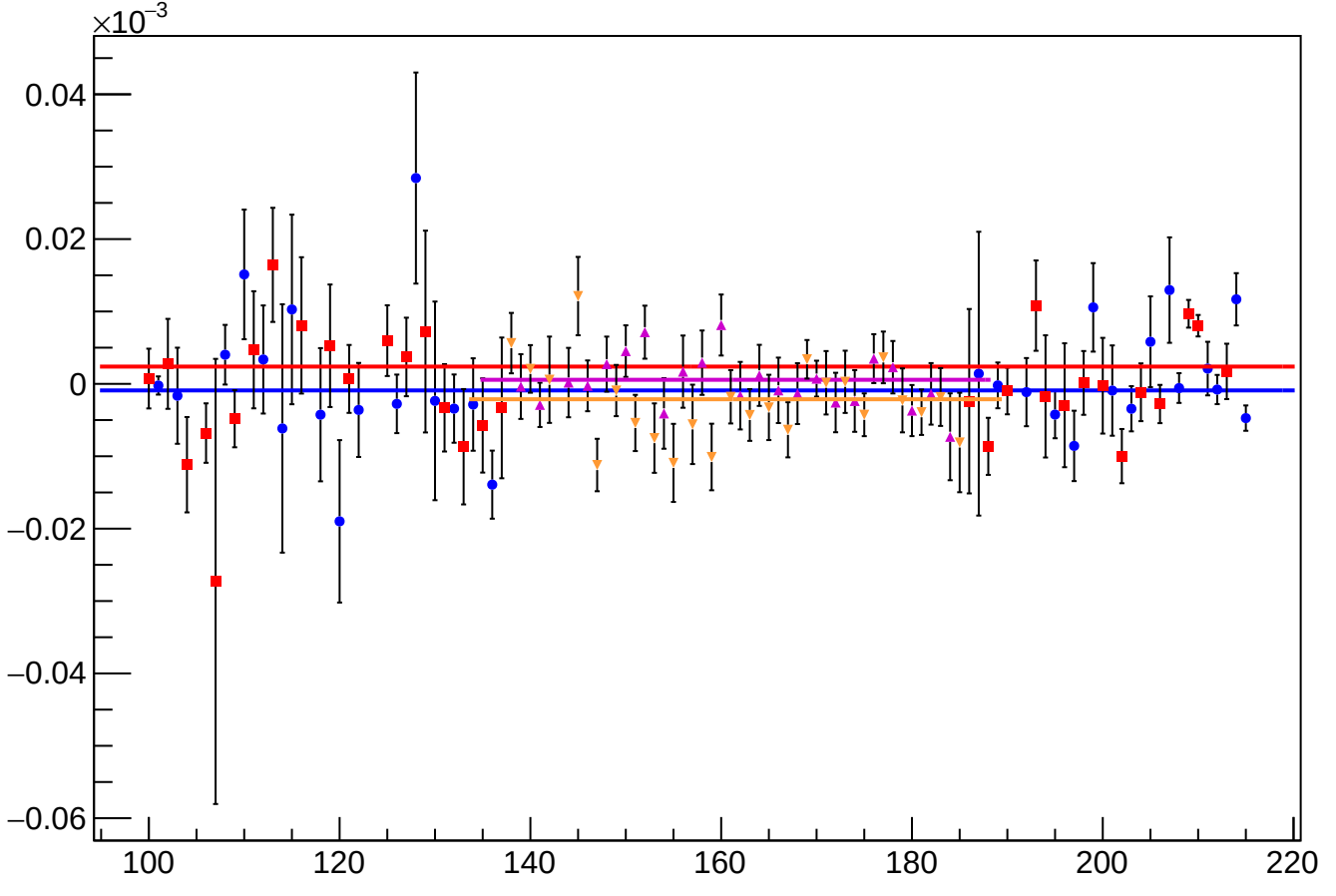
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 69.875+/-0.009 χ^2/NDF: 4275713.2/62

In: 74.737+/-0.009 χ^2/NDF:3807475.5/53

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

All: 76.281+/-0.007 χ^2/NDF: 8010154.6/109



Right In: -0.000+/-0.000 χ^2/NDF: 51.5/30

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

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

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

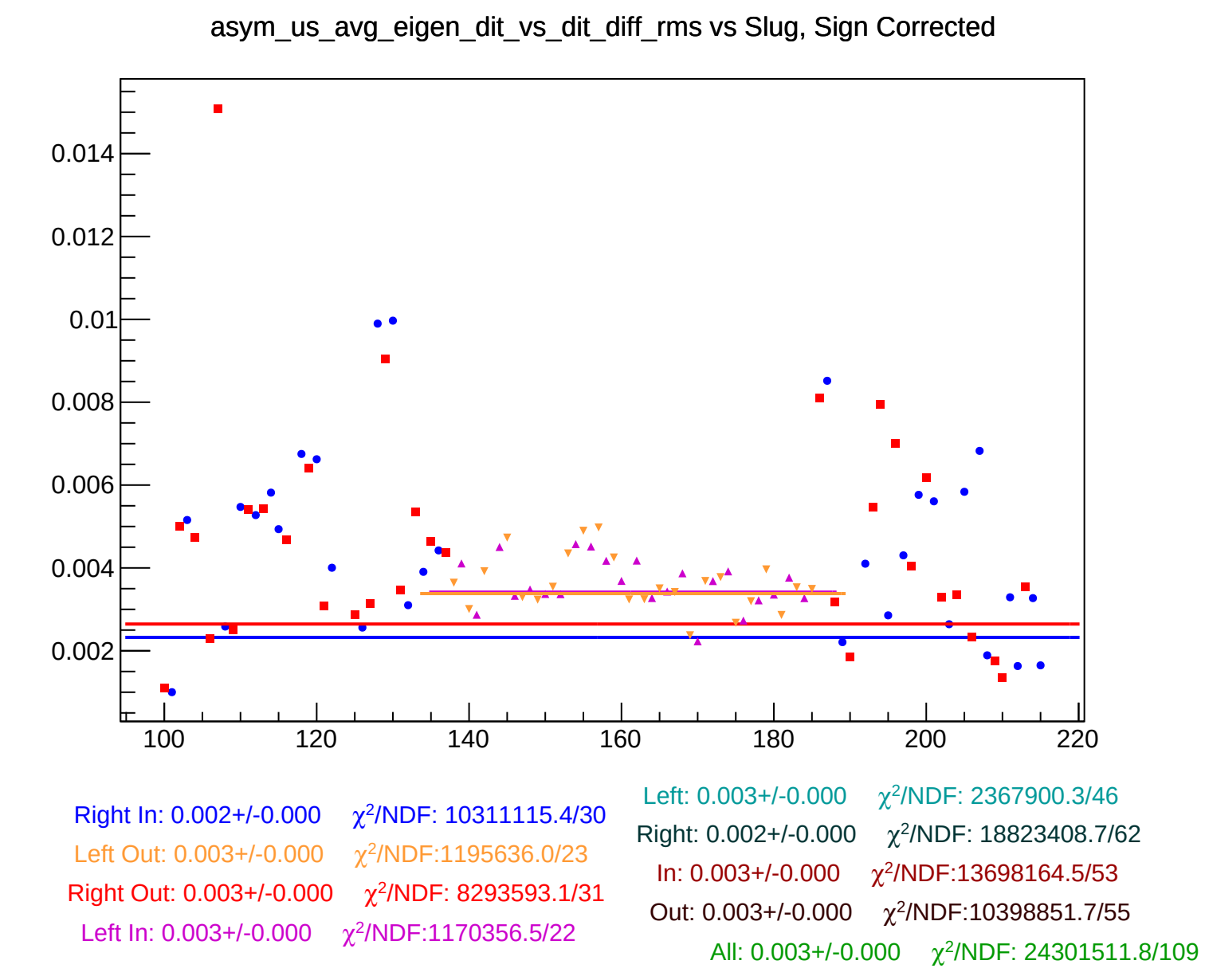
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

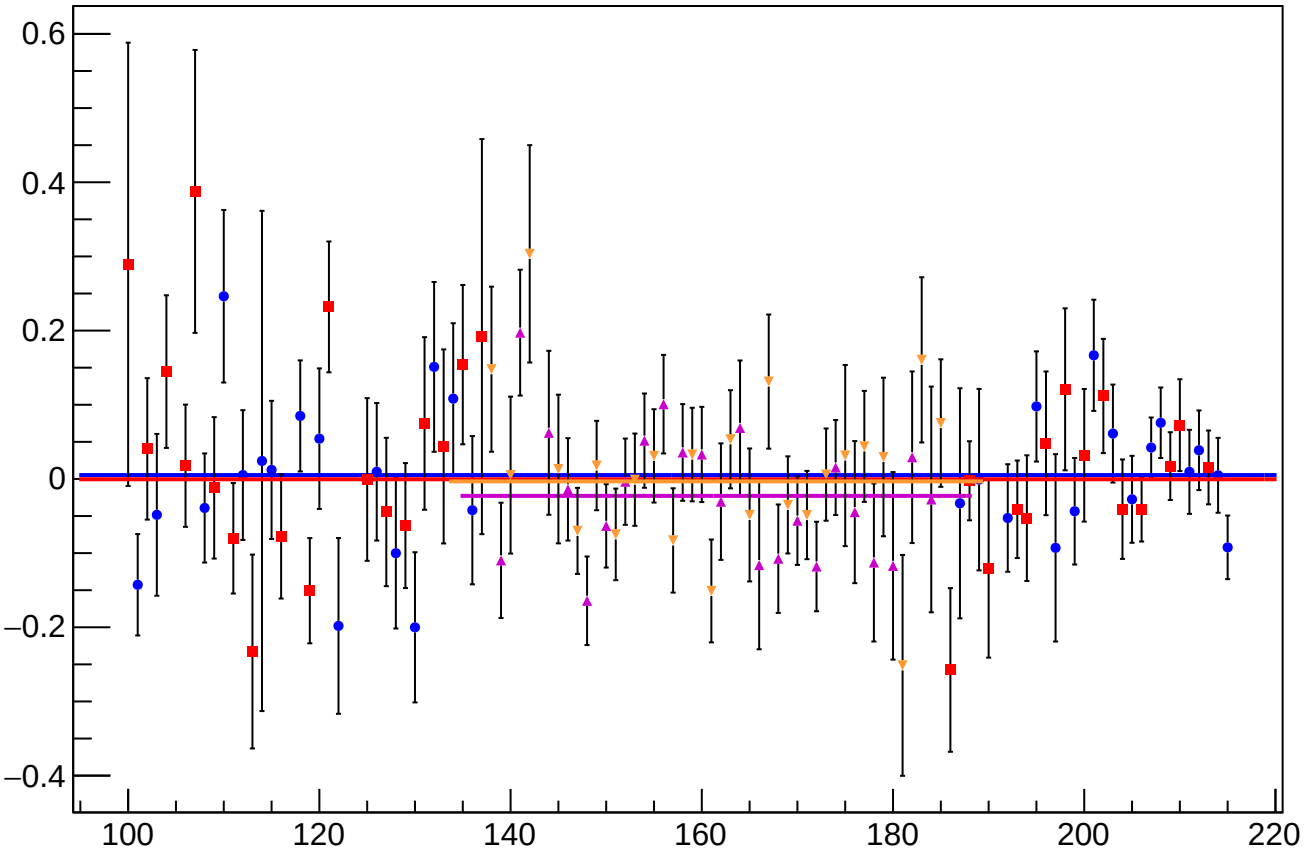
Right: 0.000+/-0.000 χ^2/NDF: 142.3/62

In: -0.000+/-0.000 χ^2/NDF:70.1/53

Out: 0.000+/-0.000 χ^2/NDF:134.0/55

All: -0.000+/-0.000 χ^2/NDF: 205.0/109


asym_us_avg_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: 10311115.4/30
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 8293593.1/31
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
Left: 0.003+/-0.000 χ²/NDF: 2367900.3/46
Right: 0.002+/-0.000 χ²/NDF: 18823408.7/62
In: 0.003+/-0.000 χ²/NDF:13698164.5/53
Out: 0.003+/-0.000 χ²/NDF:10398851.7/55
All: 0.003+/-0.000 χ²/NDF: 24301511.8/109



Right In: 0.005+/-0.013 χ^2/NDF: 39.6/30

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

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

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

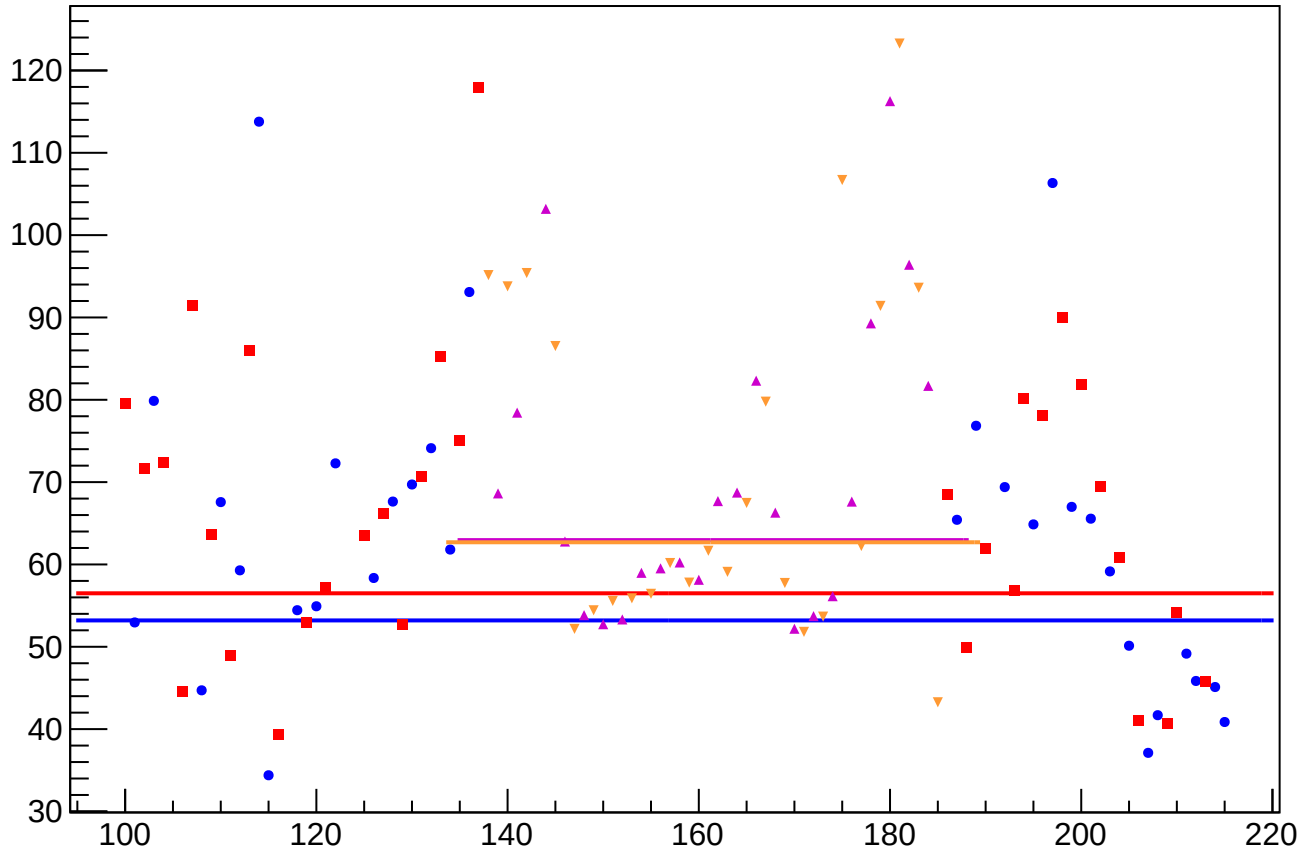
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.003+/-0.010 χ^2/NDF: 81.3/62

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.004+/-0.007 χ^2/NDF: 138.1/109



Right In: 53.201+/-0.009 χ^2/NDF: 2322293.6/30

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

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

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

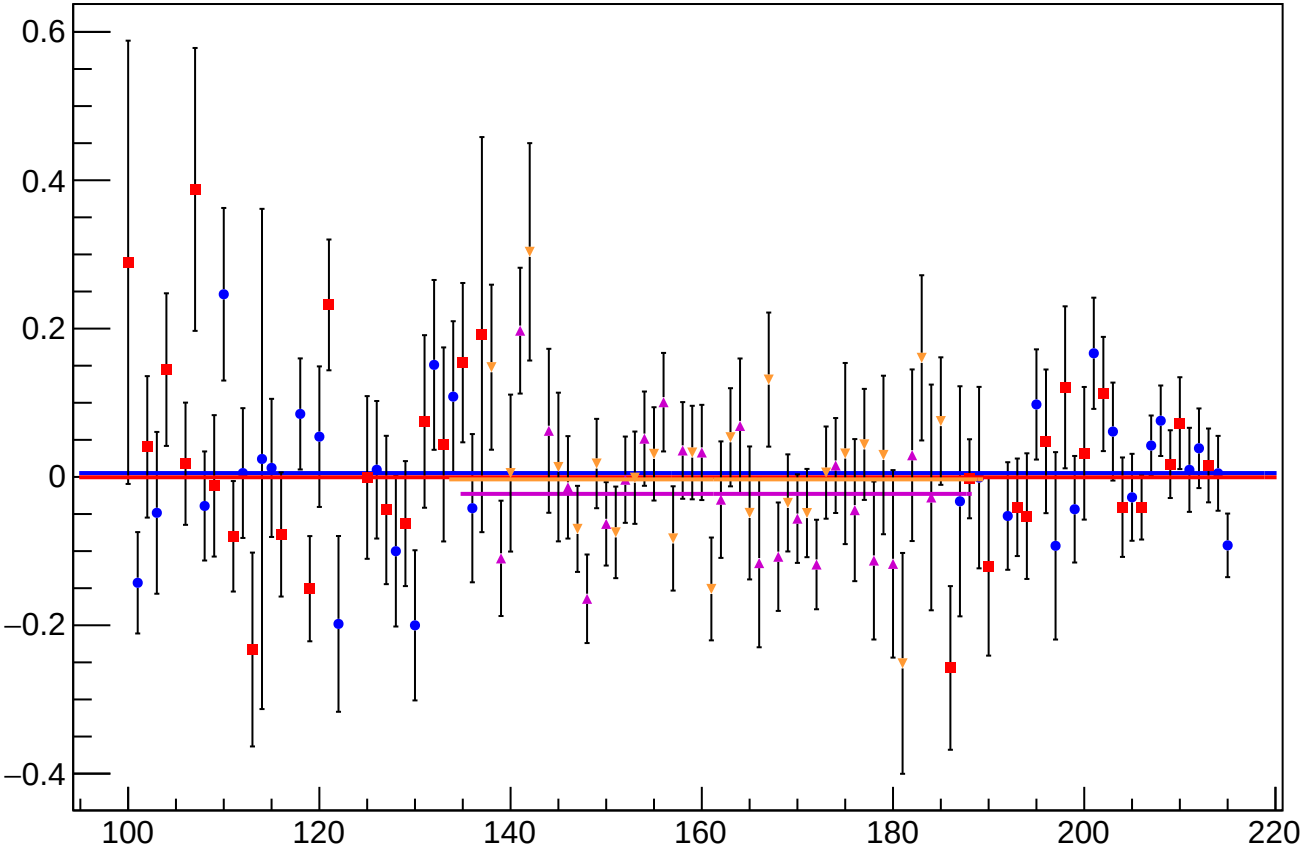
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 54.726+/-0.007 χ^2/NDF: 4467867.8/62

In: 57.263+/-0.007 χ^2/NDF:4215359.6/53

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

All: 58.241+/-0.005 χ^2/NDF: 8456738.2/109



Right In: 0.005+/-0.013 χ^2/NDF: 39.6/30

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

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

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

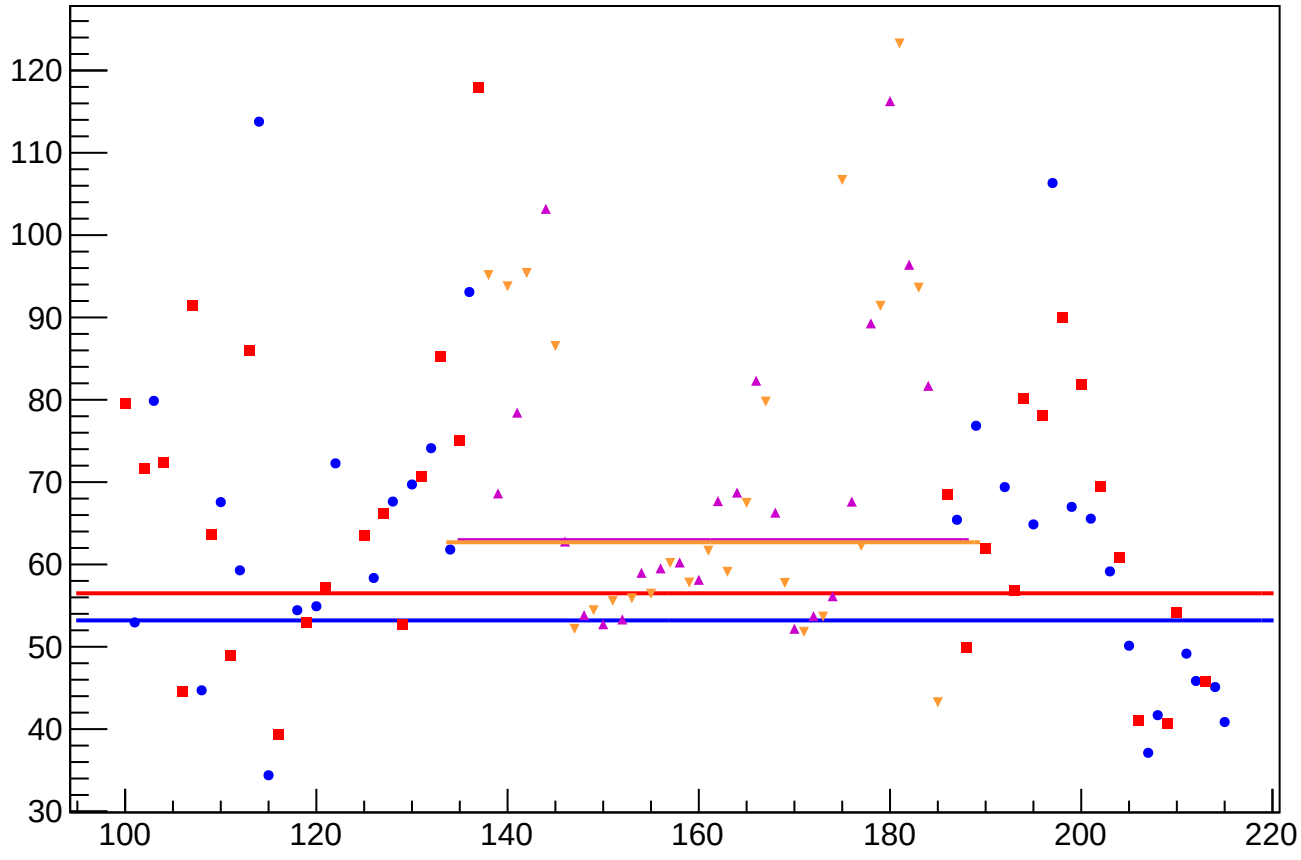
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.003+/-0.010 χ^2/NDF: 81.3/62

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: -0.002+/-0.010 χ^2/NDF:67.5/55

All: -0.004+/-0.007 χ^2/NDF: 138.1/109



Right In: 53.201+/-0.009 χ^2/NDF: 2322293.6/30

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

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

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

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

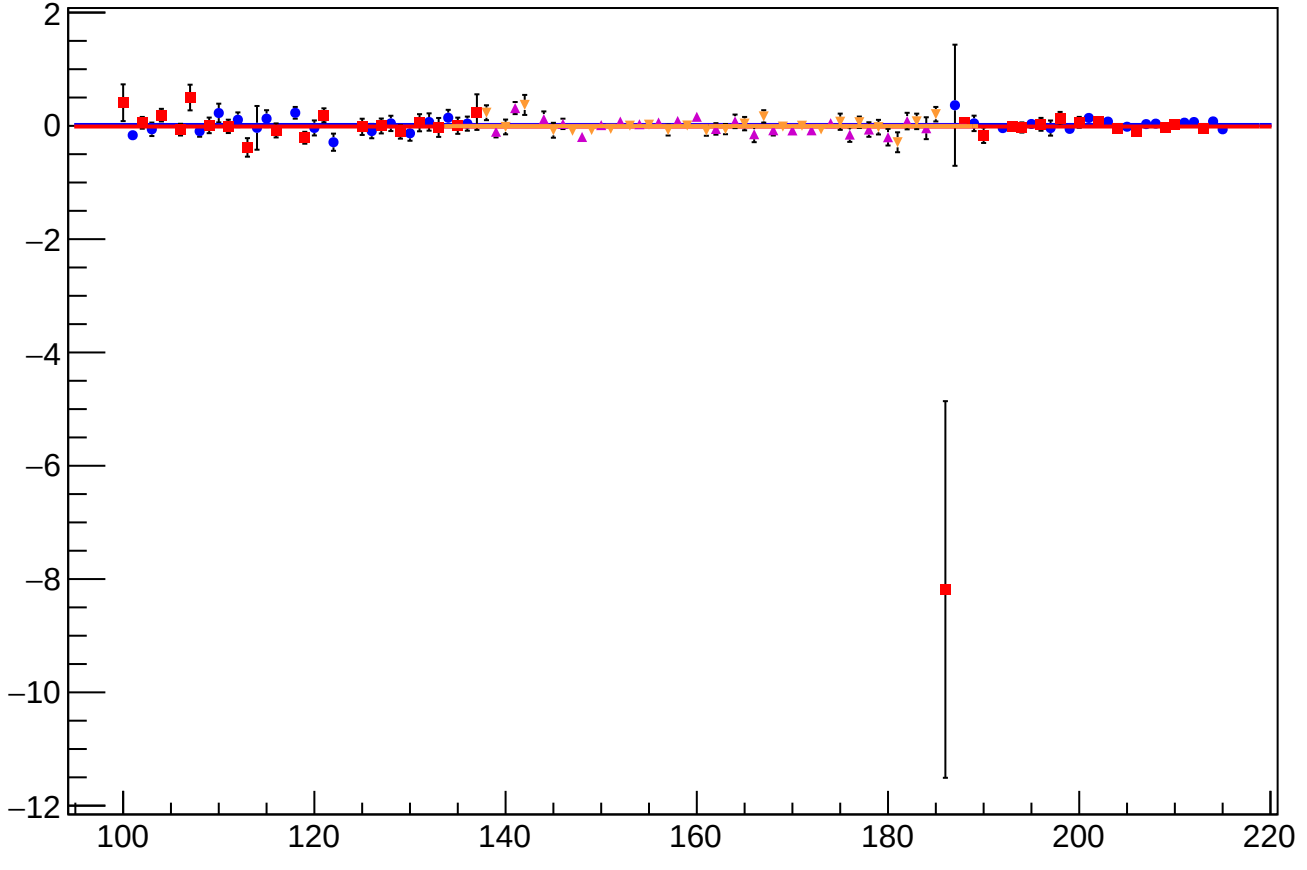
Right: 54.726+/-0.007 χ^2/NDF: 4467867.8/62

In: 57.263+/-0.007 χ^2/NDF:4215359.6/53

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

All: 58.241+/-0.005 χ^2/NDF: 8456738.2/109

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.016 χ^2/NDF: 29.4/30

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

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

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

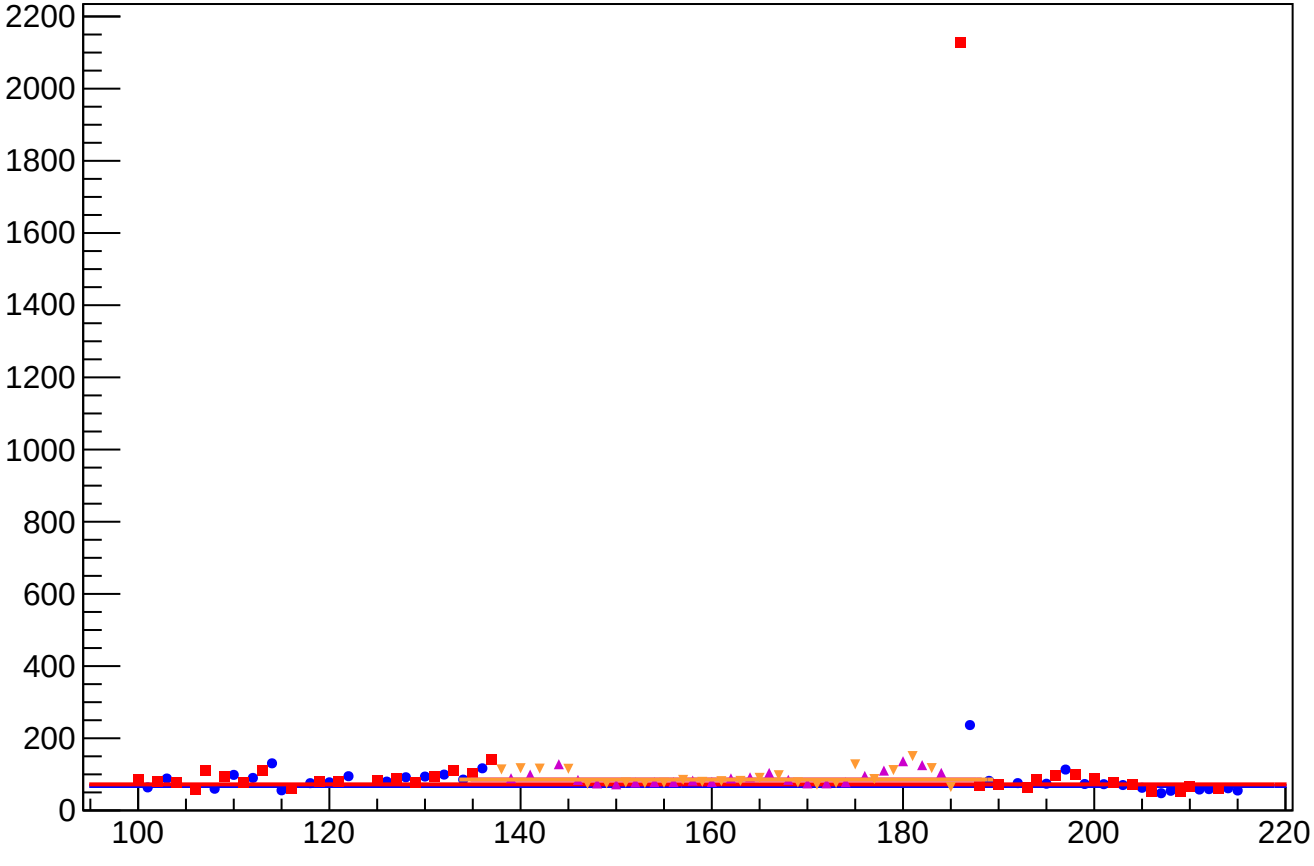
Right: 0.003+/-0.012 χ^2/NDF: 69.6/62

In: 0.010+/-0.013 χ^2/NDF:60.2/53

Out: -0.009+/-0.014 χ^2/NDF:60.4/55

All: 0.001+/-0.009 χ^2/NDF: 121.6/109

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.835+/-0.012 χ^2/NDF: 1898288.9/30

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

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

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

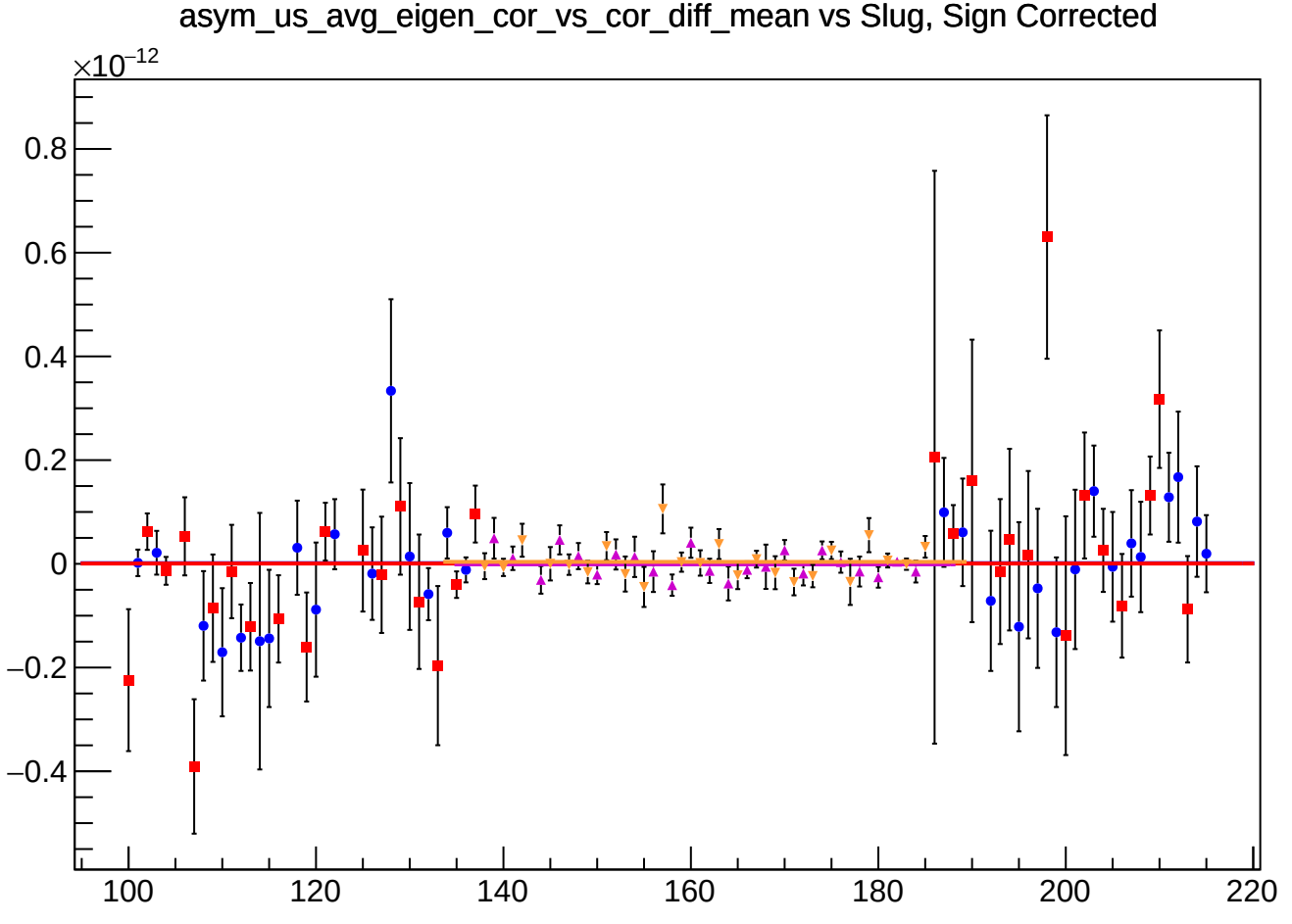
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 69.875+/-0.009 χ^2/NDF: 4275468.3/62

In: 74.737+/-0.009 χ^2/NDF:3807326.6/53

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

All: 76.281+/-0.007 χ^2/NDF: 8009918.3/109



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/30

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

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

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

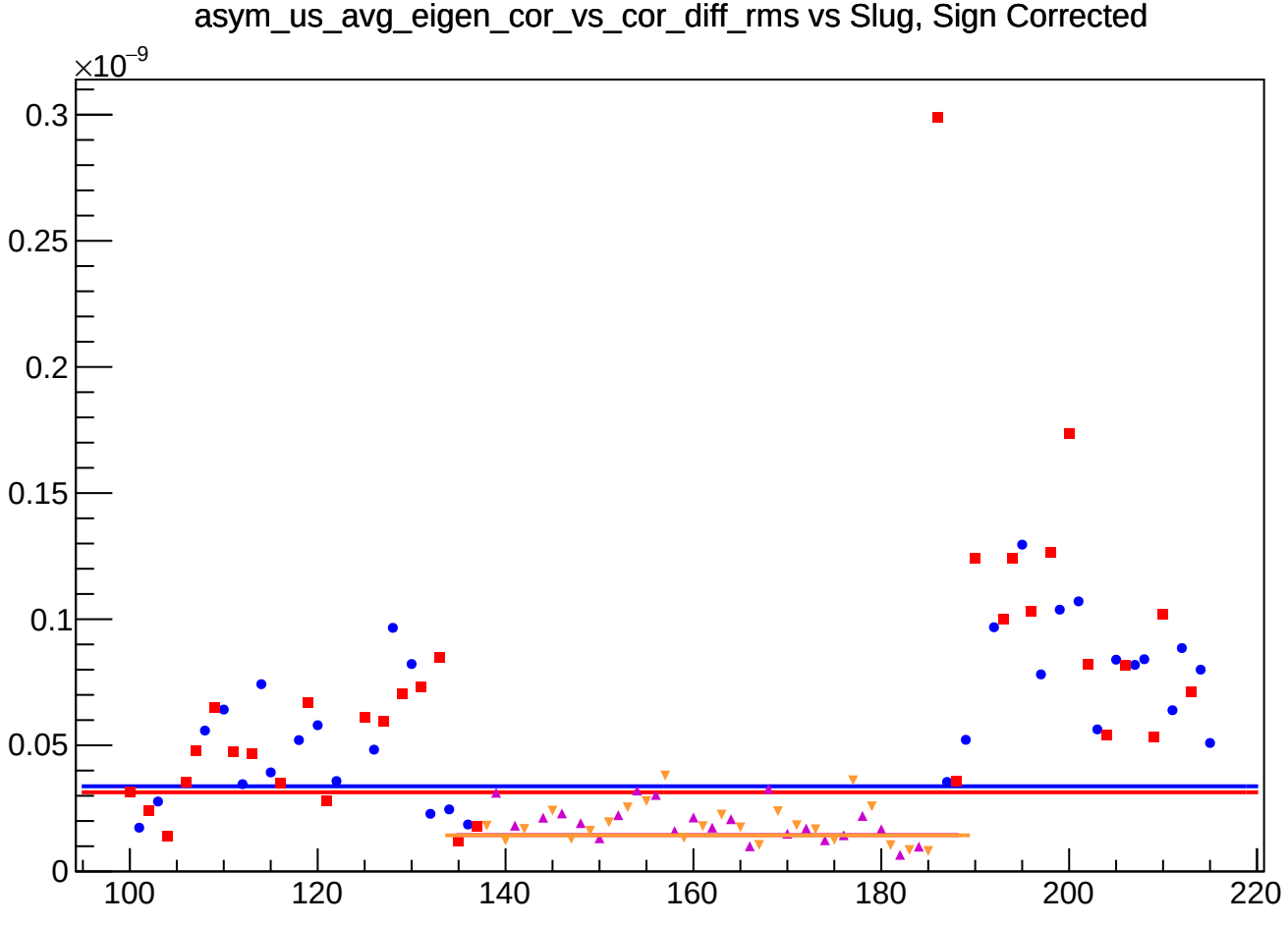
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: 0.000+/-0.000 χ^2/NDF: 80.6/62

In: -0.000+/-0.000 χ^2/NDF:51.7/53

Out: 0.000+/-0.000 χ^2/NDF:77.6/55

All: 0.000+/-0.000 χ^2/NDF: 129.8/109



Right In: 0.000+/-0.000 χ^2/NDF: 7398999.1/30

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

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

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

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

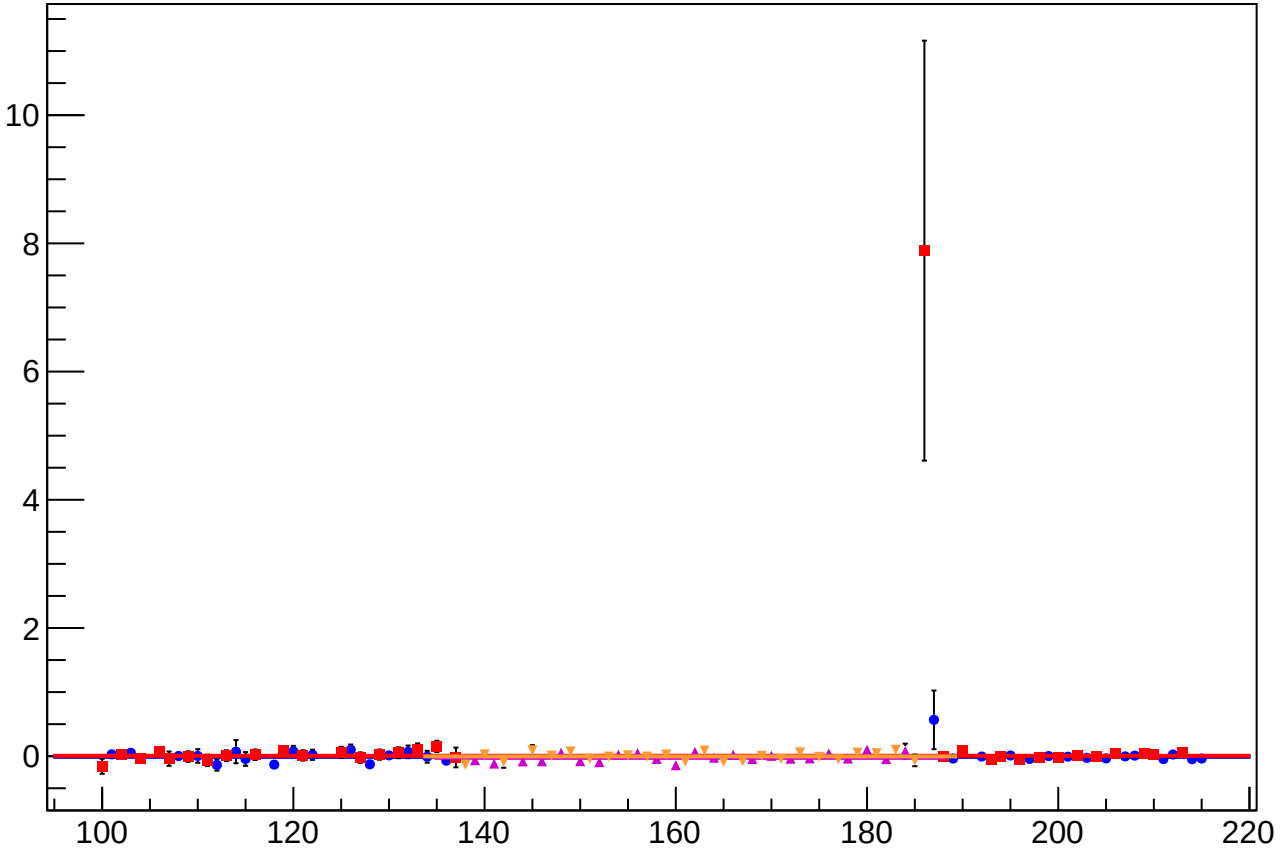
Right: 0.000+/-0.000 χ^2/NDF: 16426065.2/62

In: 0.000+/-0.000 χ^2/NDF:16239399.1/53

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

All: 0.000+/-0.000 χ^2/NDF: 32319669.5/109

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.007 χ^2/NDF: 25.2/30

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

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

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

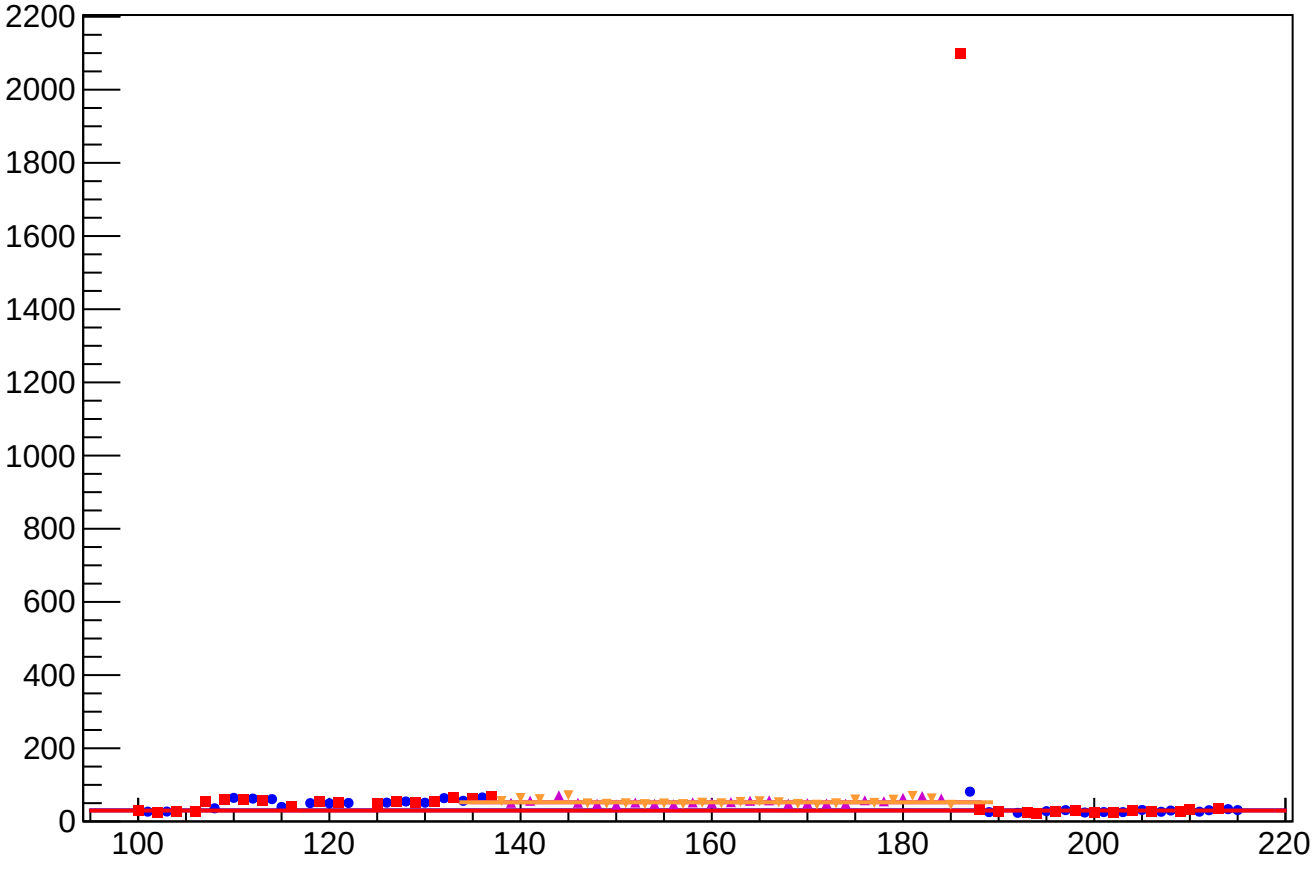
Right: -0.002+/-0.005 χ^2/NDF: 64.0/62

In: -0.014+/-0.006 χ^2/NDF:50.6/53

Out: 0.004+/-0.006 χ^2/NDF:59.9/55

All: -0.005+/-0.005 χ^2/NDF: 114.4/109

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.368+/-0.005 χ^2/NDF: 2881692.5/30

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

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

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

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

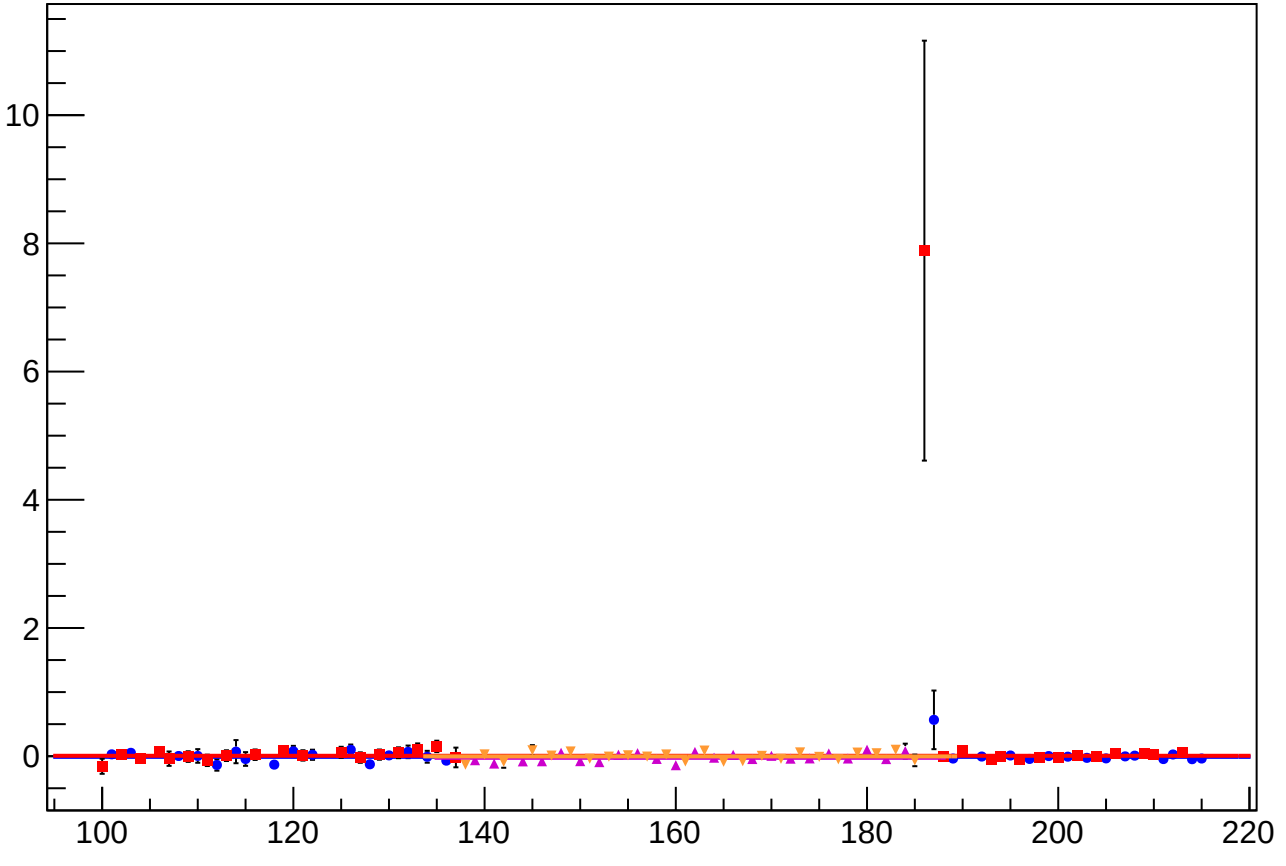
Right: 30.106+/-0.004 χ^2/NDF: 6762587.4/62

In: 36.158+/-0.005 χ^2/NDF:7939676.2/53

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

All: 36.045+/-0.003 χ^2/NDF: 17138953.0/109

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.007 χ^2/NDF: 25.2/30

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

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

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

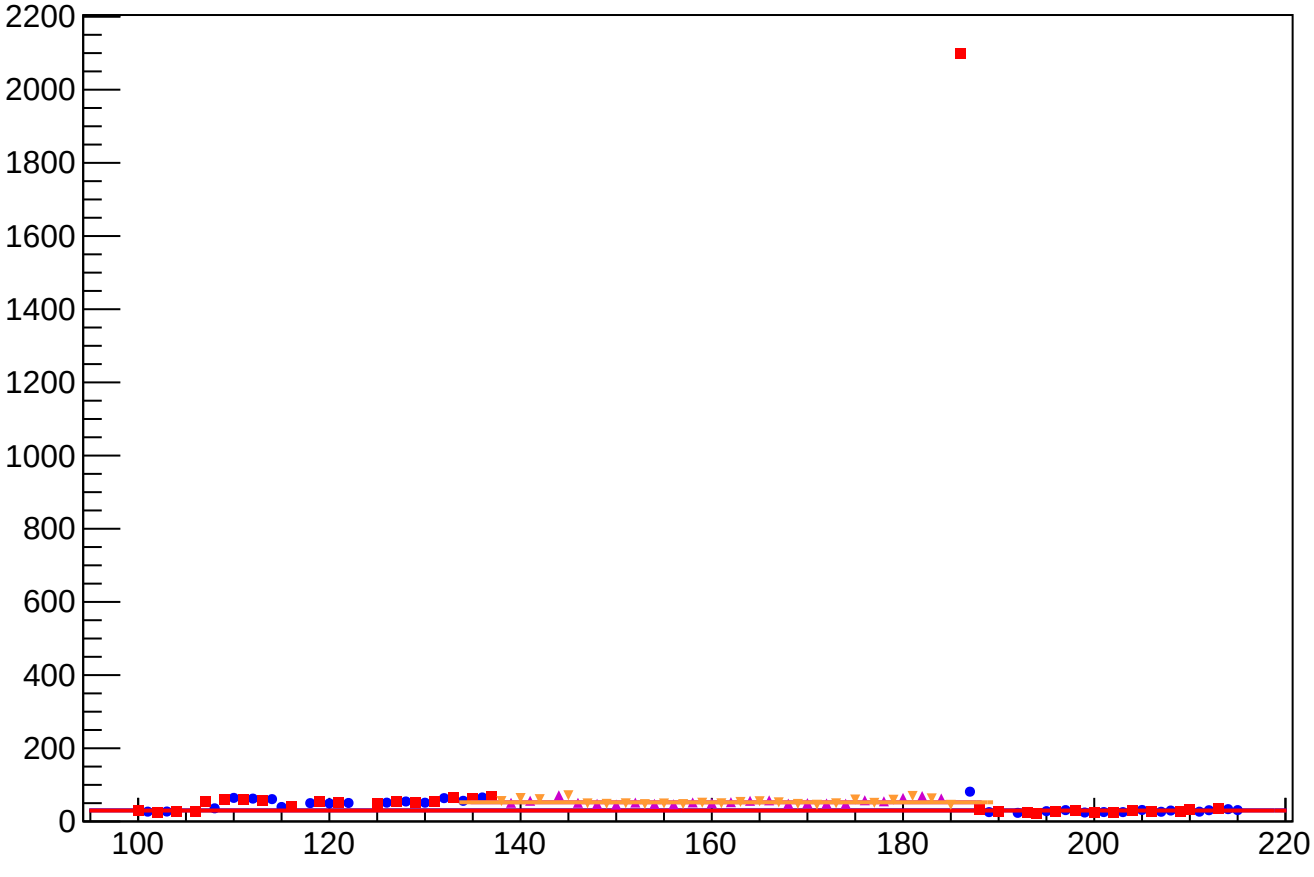
Right: -0.002+/-0.005 χ^2/NDF: 64.0/62

In: -0.014+/-0.006 χ^2/NDF:50.6/53

Out: 0.004+/-0.006 χ^2/NDF:59.9/55

All: -0.005+/-0.005 χ^2/NDF: 114.4/109

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.368+/-0.005 χ^2/NDF: 2881692.5/30

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

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

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

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

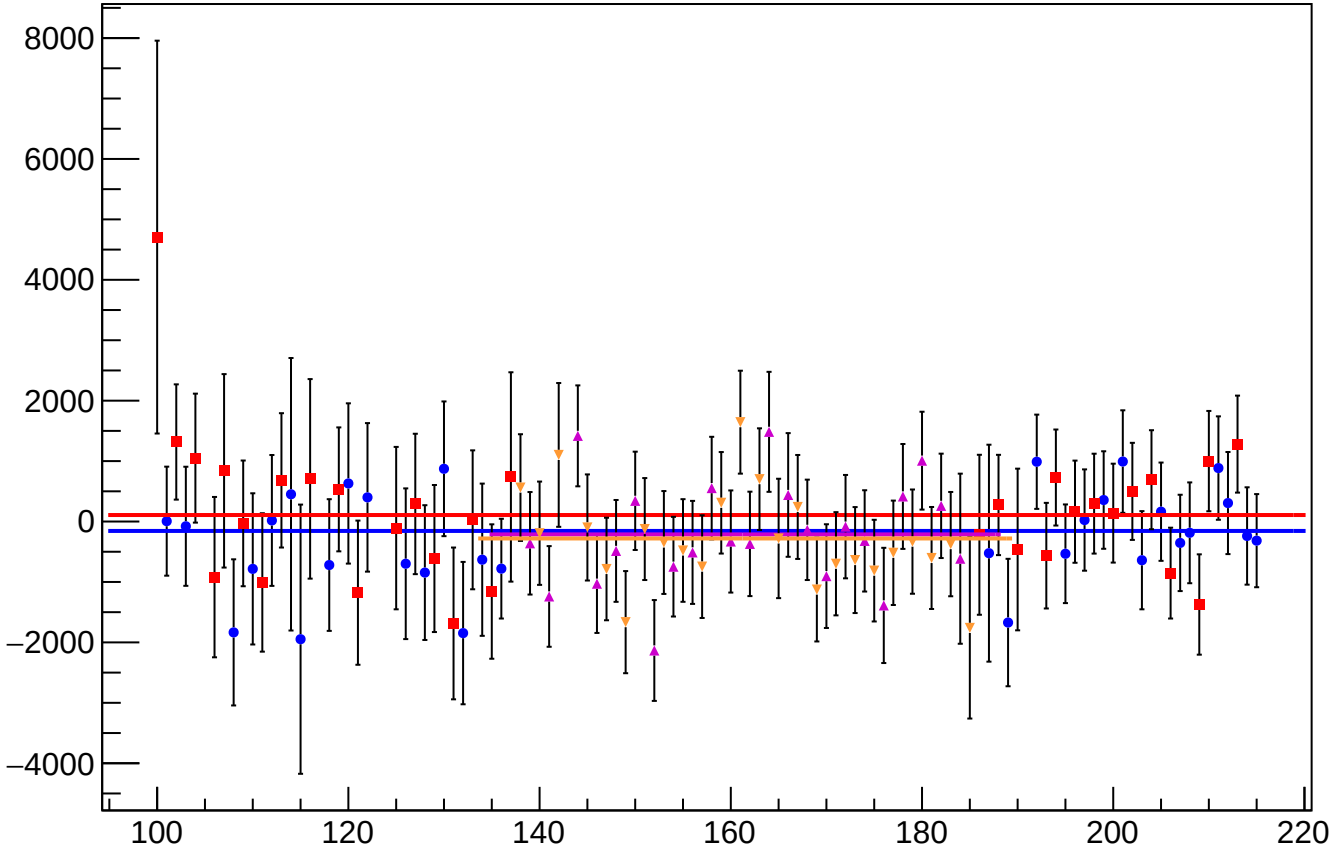
Right: 30.106+/-0.004 χ^2/NDF: 6762587.4/62

In: 36.158+/-0.005 χ^2/NDF:7939676.2/53

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

All: 36.045+/-0.003 χ^2/NDF: 17138953.0/109

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -155.735+/-174.842 χ^2/NDF: 17.1/30

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

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

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

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

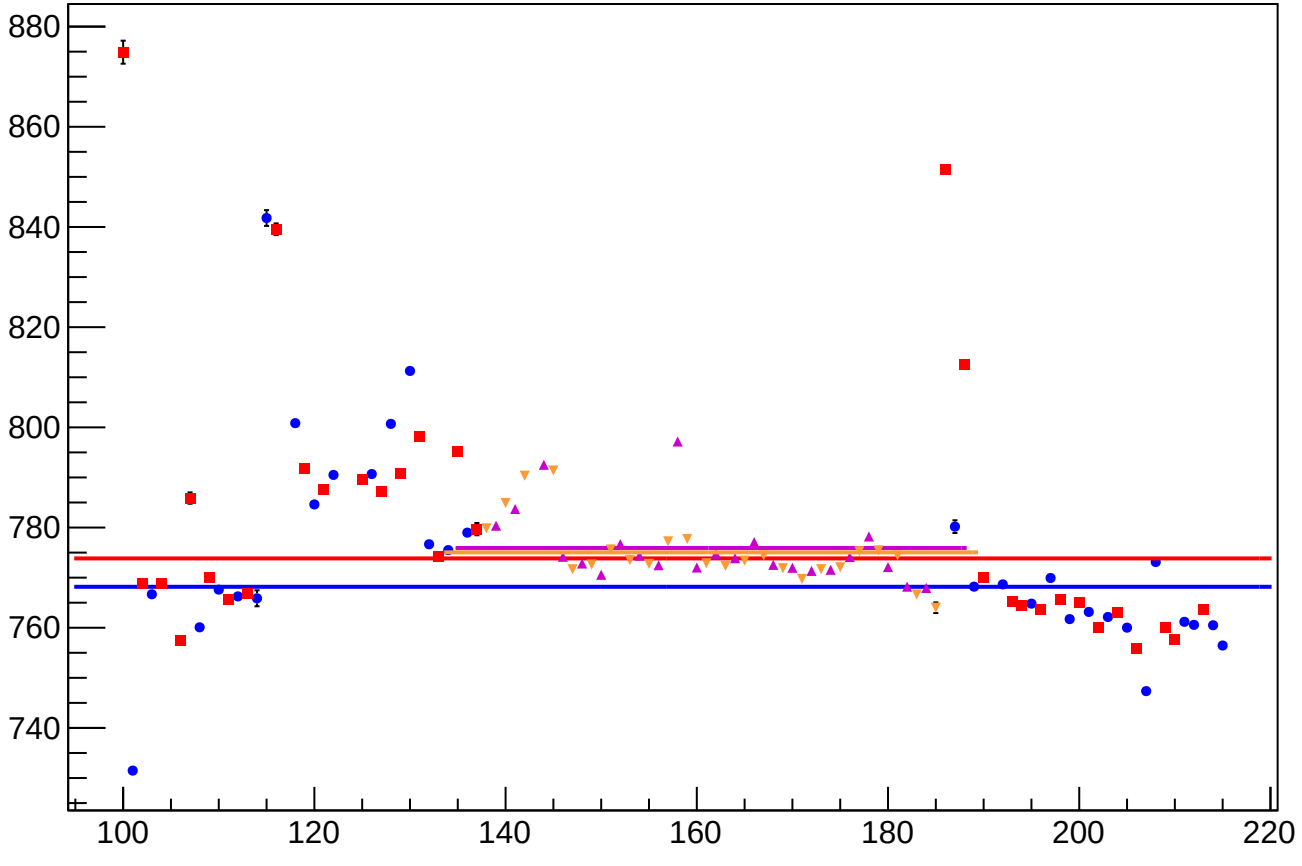
Right: -27.273+/-125.138 χ^2/NDF: 40.4/62

In: -183.555+/-125.809 χ^2/NDF:39.6/53

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

All: -135.020+/-89.360 χ^2/NDF: 80.4/109

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 768.174+/-0.124 χ^2/NDF: 17234.7/30

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

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

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

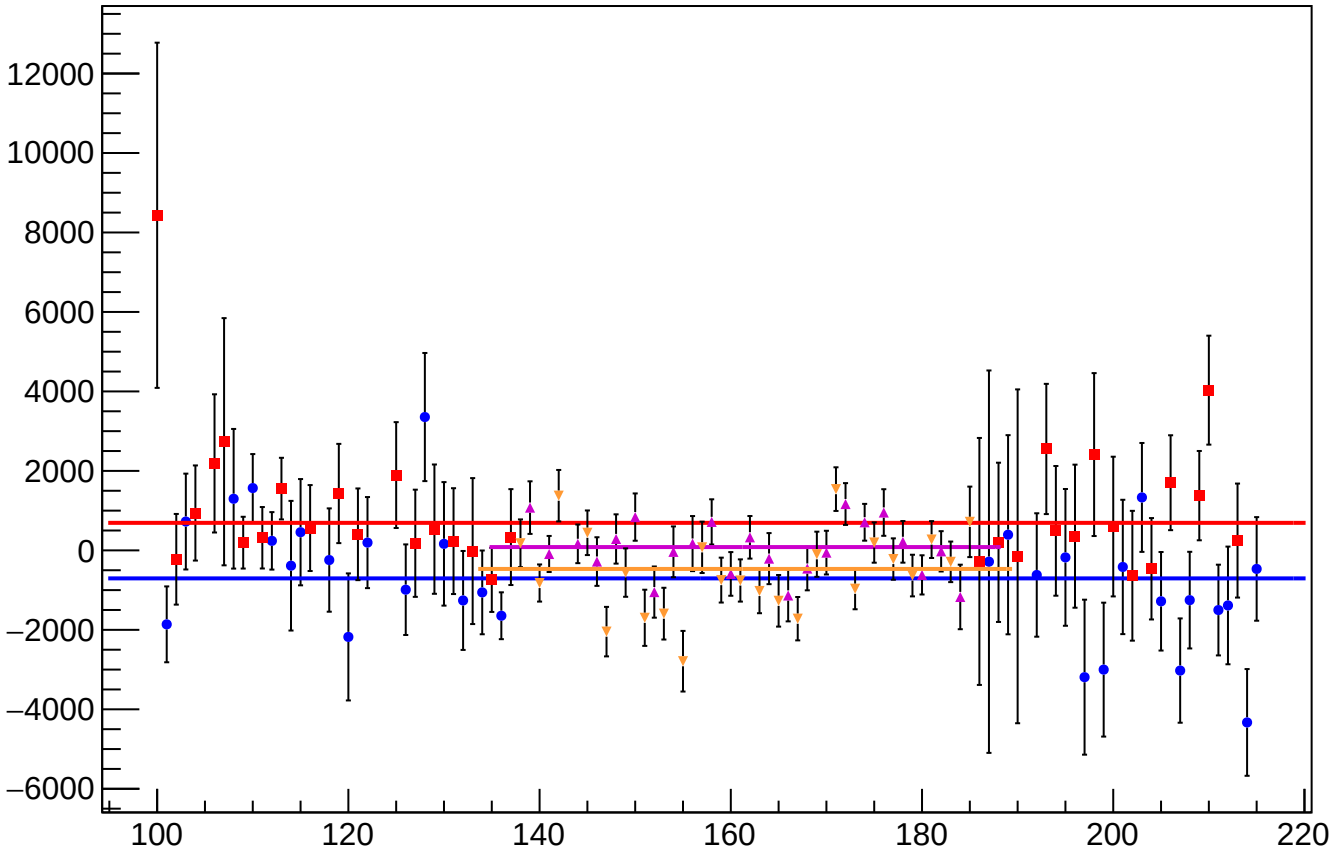
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.937+/-0.088 χ^2/NDF: 43584.5/62

In: 771.910+/-0.089 χ^2/NDF:22101.6/53

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

All: 773.165+/-0.063 χ^2/NDF: 49825.3/109



Right In: -705.011+/-219.343 χ^2/NDF: 42.5/30

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

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

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

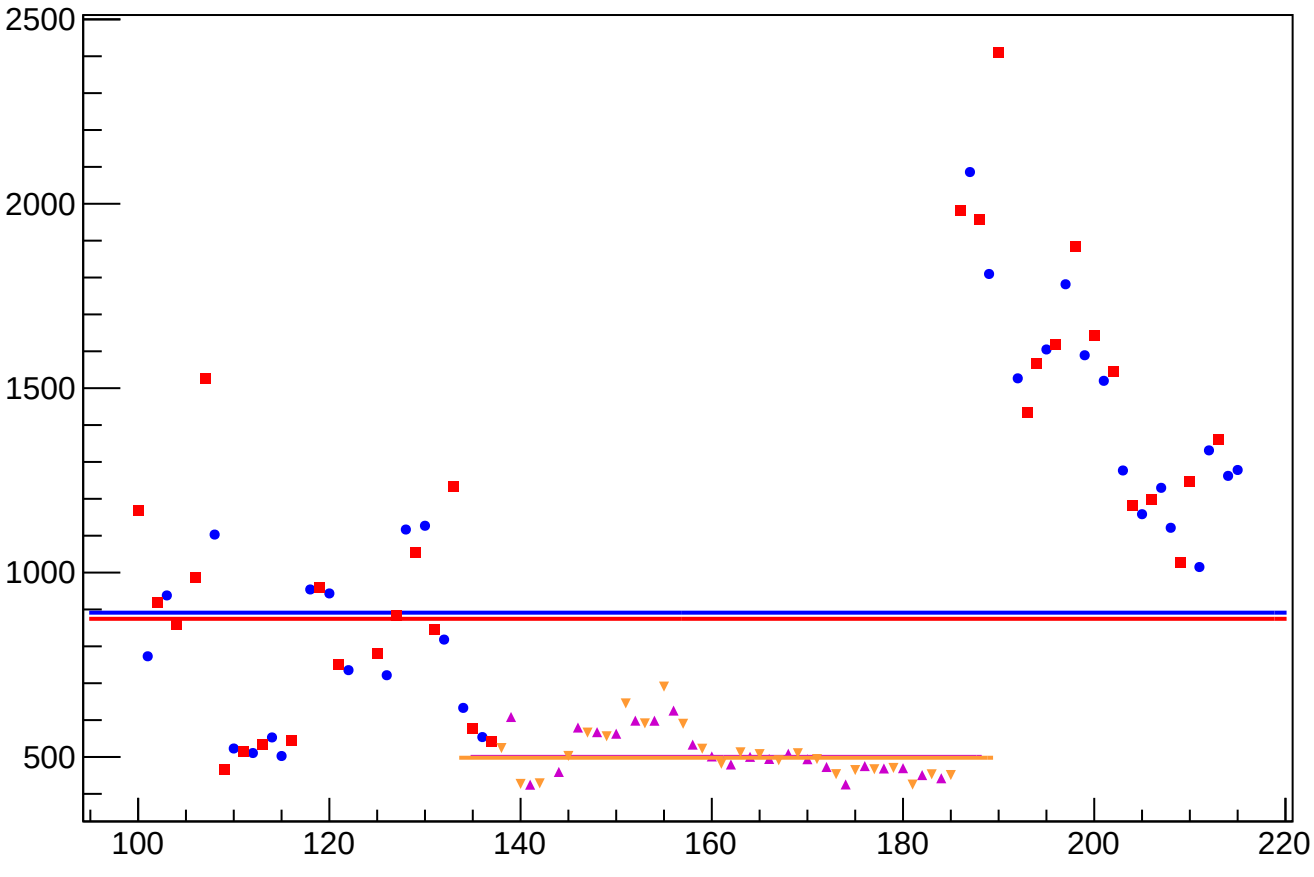
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -19.761+/-156.594 χ^2/NDF: 85.2/62

In: -93.304+/-103.786 χ^2/NDF:80.6/53

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

All: -156.293+/-73.275 χ^2/NDF: 189.8/109



Right In: 891.304+/-0.155 χ^2/NDF: 5289202.2/30

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

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

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

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

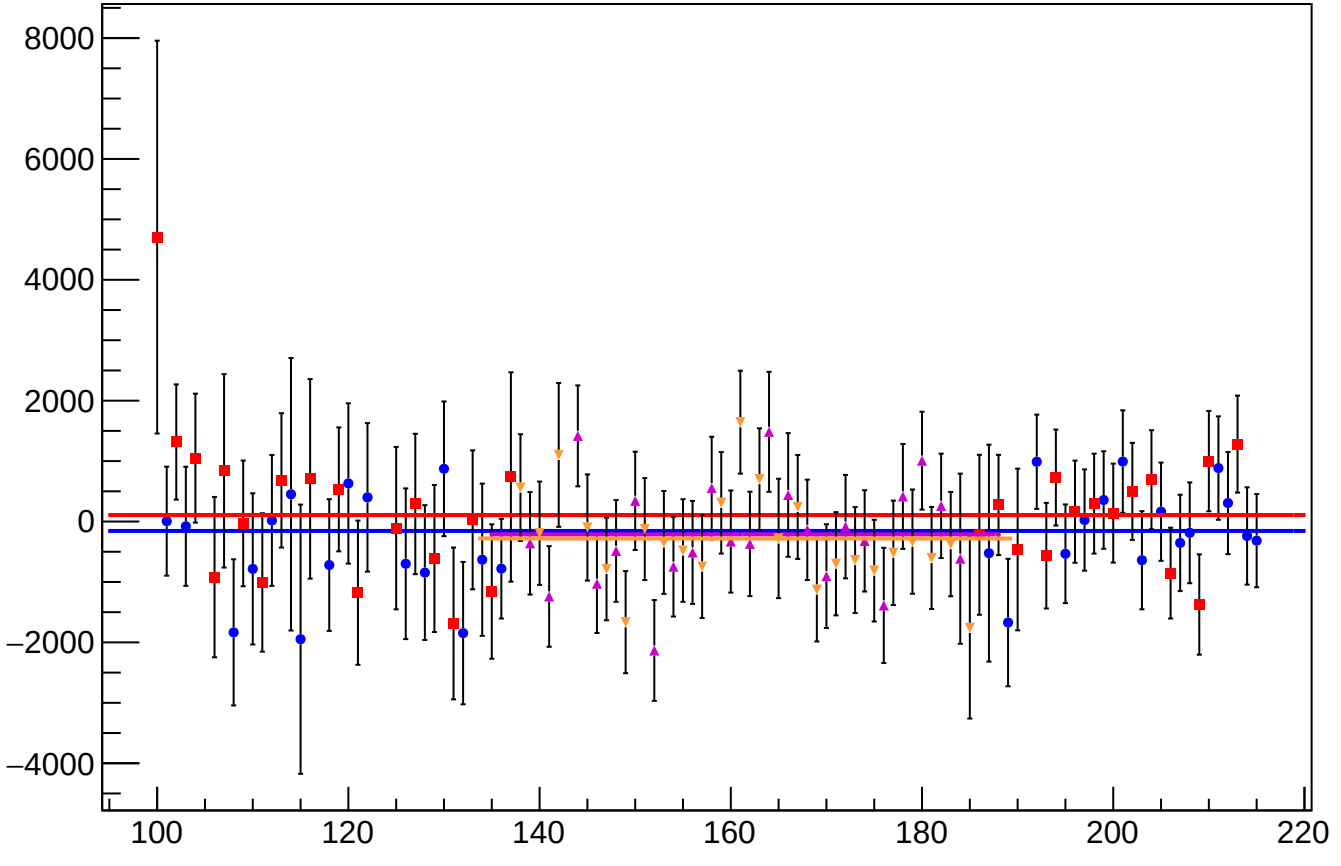
Right: 883.132+/-0.111 χ^2/NDF: 11679425.9/62

In: 587.845+/-0.073 χ^2/NDF:10698957.4/53

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

All: 583.207+/-0.052 χ^2/NDF: 22077741.0/10

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -155.735+/-174.842 χ^2/NDF: 17.1/30

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

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

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

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

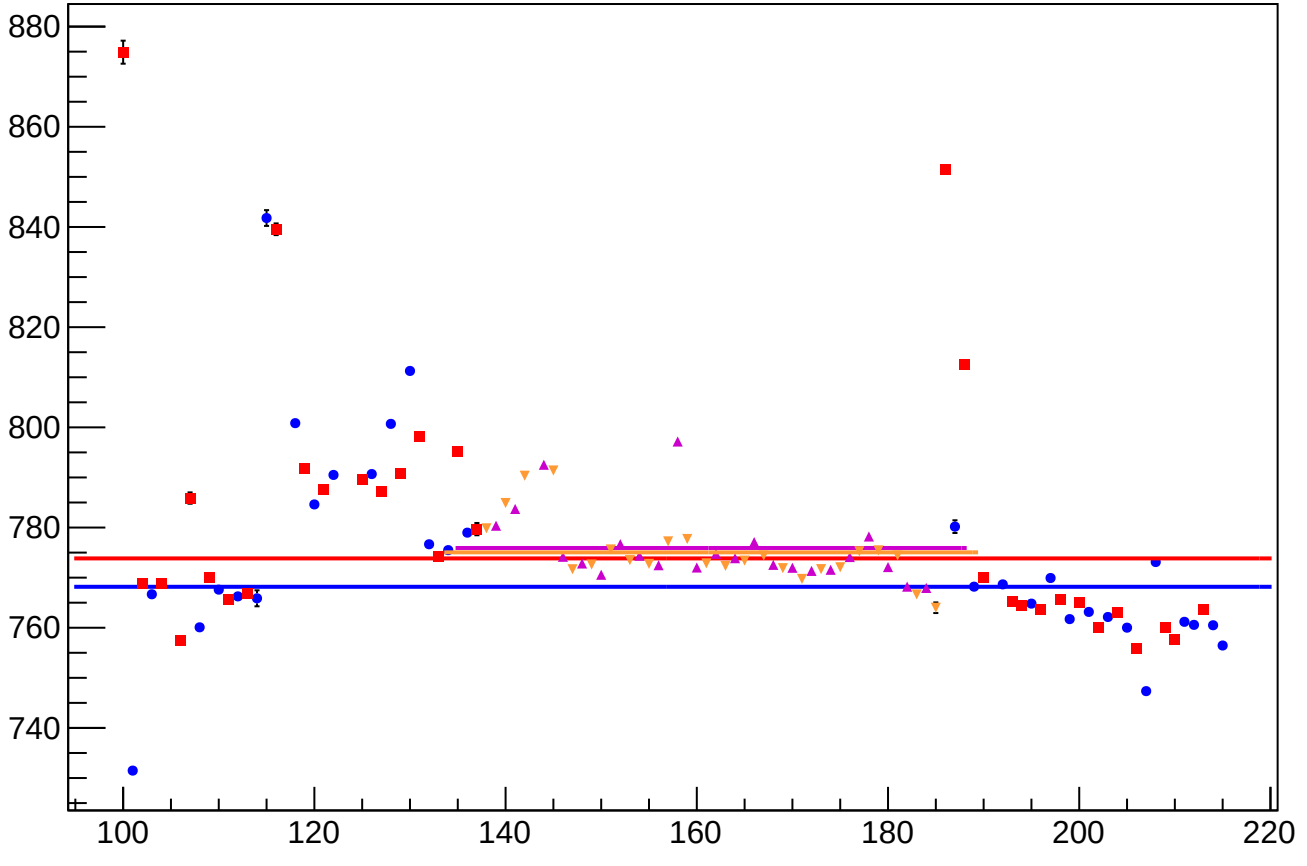
Right: -27.273+/-125.138 χ^2/NDF: 40.4/62

In: -183.555+/-125.809 χ^2/NDF:39.6/53

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

All: -135.020+/-89.360 χ^2/NDF: 80.4/109

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 768.174+/-0.124 χ^2/NDF: 17234.7/30

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

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

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

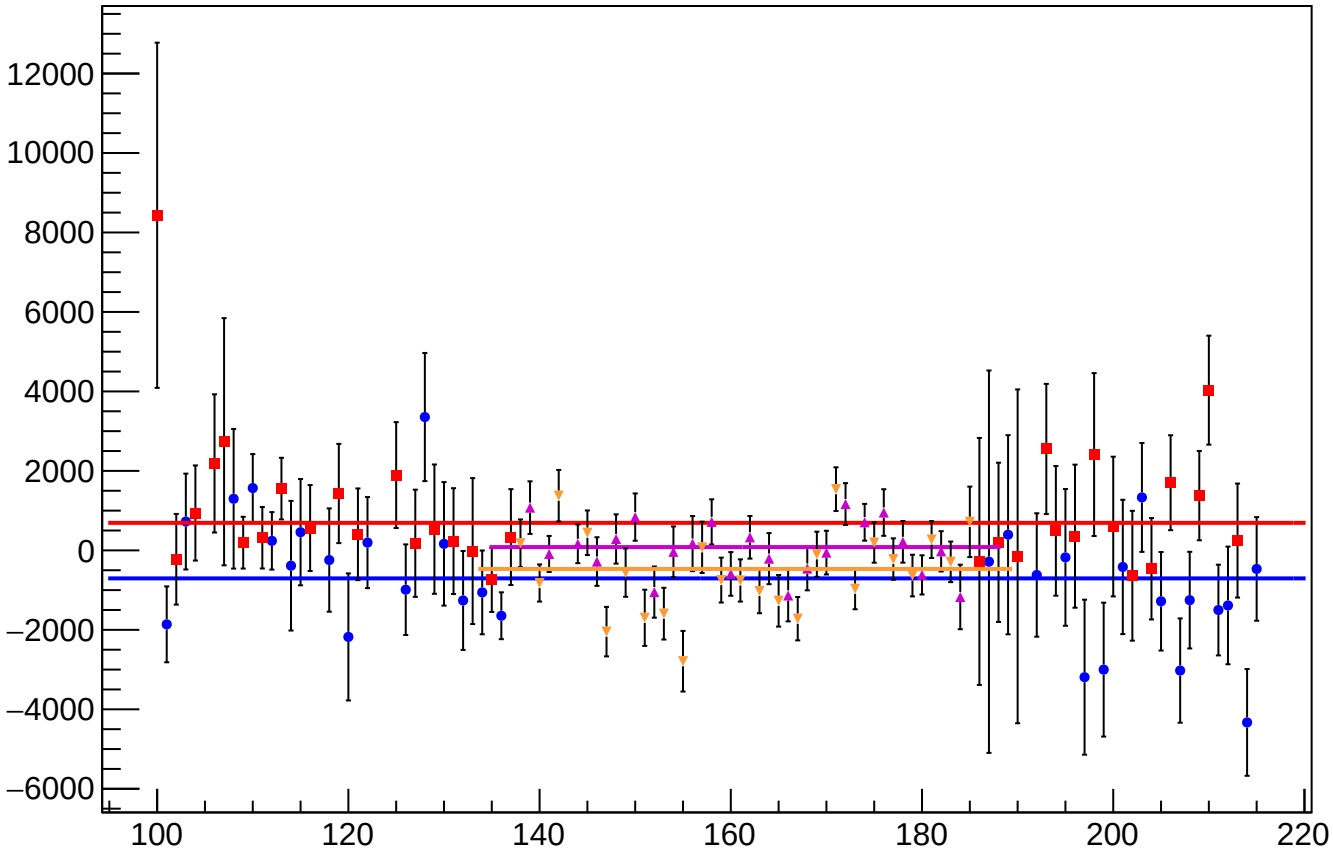
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.937+/-0.088 χ^2/NDF: 43584.5/62

In: 771.910+/-0.089 χ^2/NDF:22101.6/53

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

All: 773.165+/-0.063 χ^2/NDF: 49825.3/109



Right In: -705.011+/-219.343 χ^2/NDF: 42.5/30

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

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

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

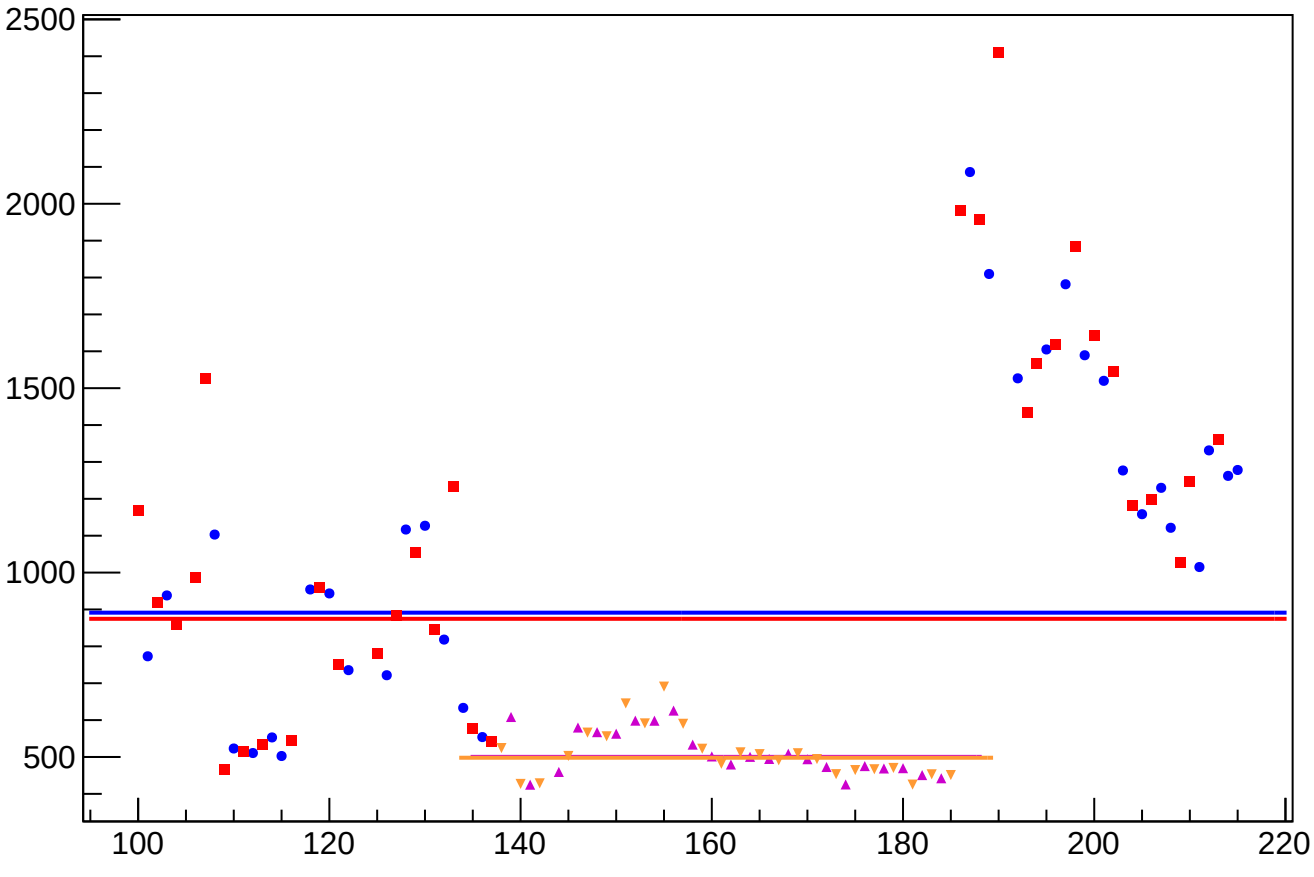
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -19.761+/-156.594 χ^2/NDF: 85.2/62

In: -93.304+/-103.786 χ^2/NDF:80.6/53

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

All: -156.293+/-73.275 χ^2/NDF: 189.8/109



Right In: 891.304+/-0.155 χ^2/NDF: 5289202.2/30

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

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

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

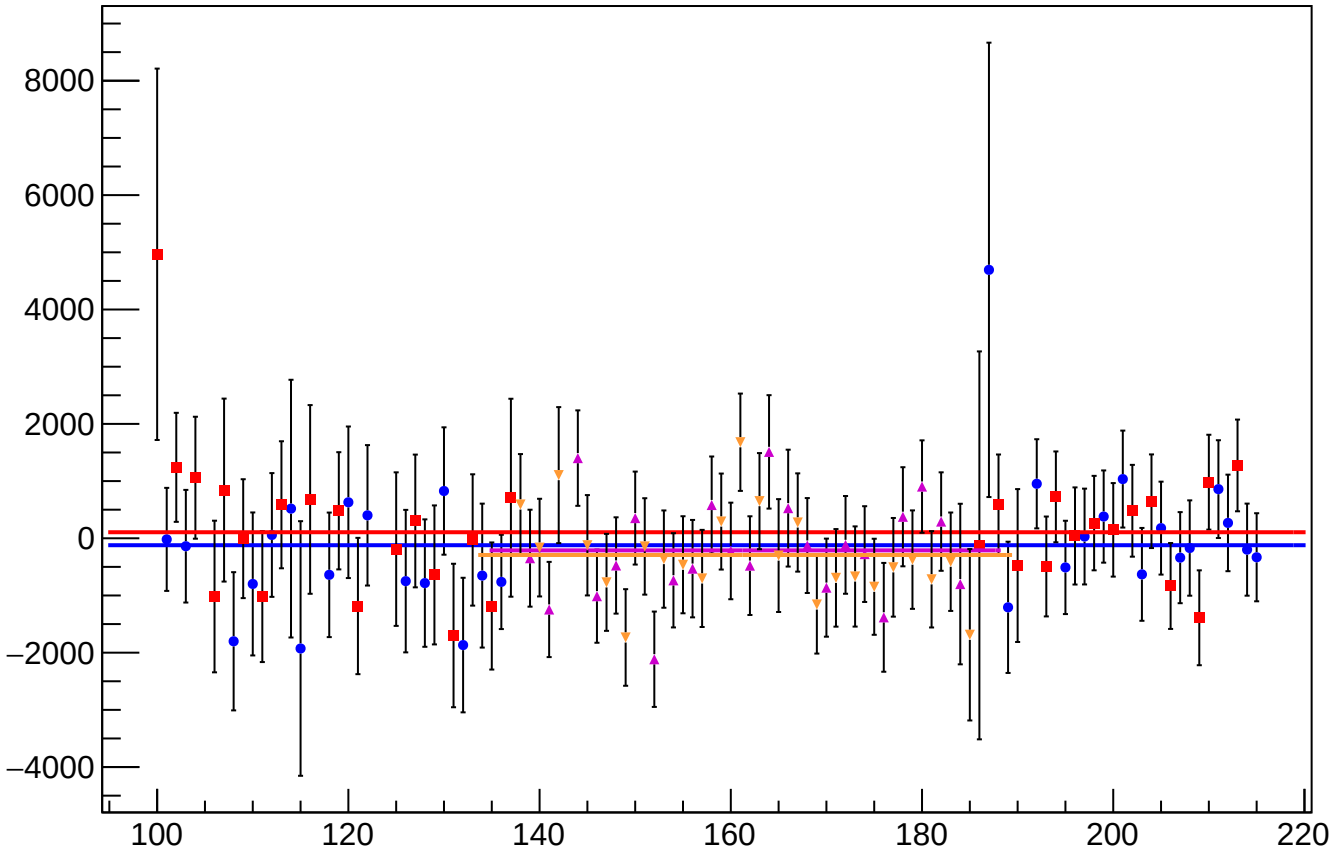
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 883.132+/-0.111 χ^2/NDF: 11679425.9/62

In: 587.845+/-0.073 χ^2/NDF:10698957.4/53

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

All: 583.207+/-0.052 χ^2/NDF: 22077741.0/10



Right In: -121.126+/-175.738 χ^2/NDF: 17.0/30

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

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

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

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

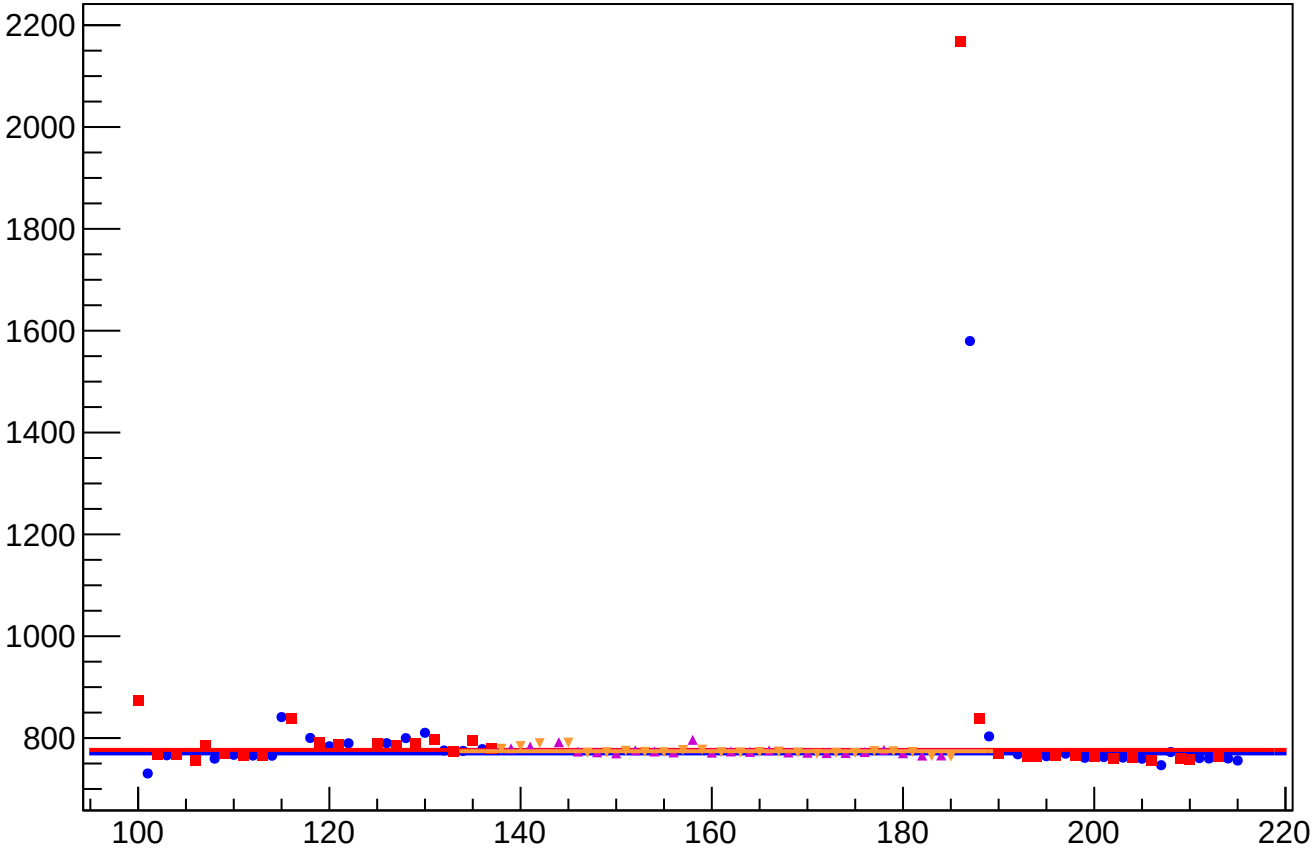
Right: -10.963+/-126.053 χ^2/NDF: 40.2/62

In: -164.865+/-126.068 χ^2/NDF:39.3/53

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

All: -130.072+/-89.639 χ^2/NDF: 80.8/109

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.826+/-0.124 χ^2/NDF: 102357.6/30

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

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

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

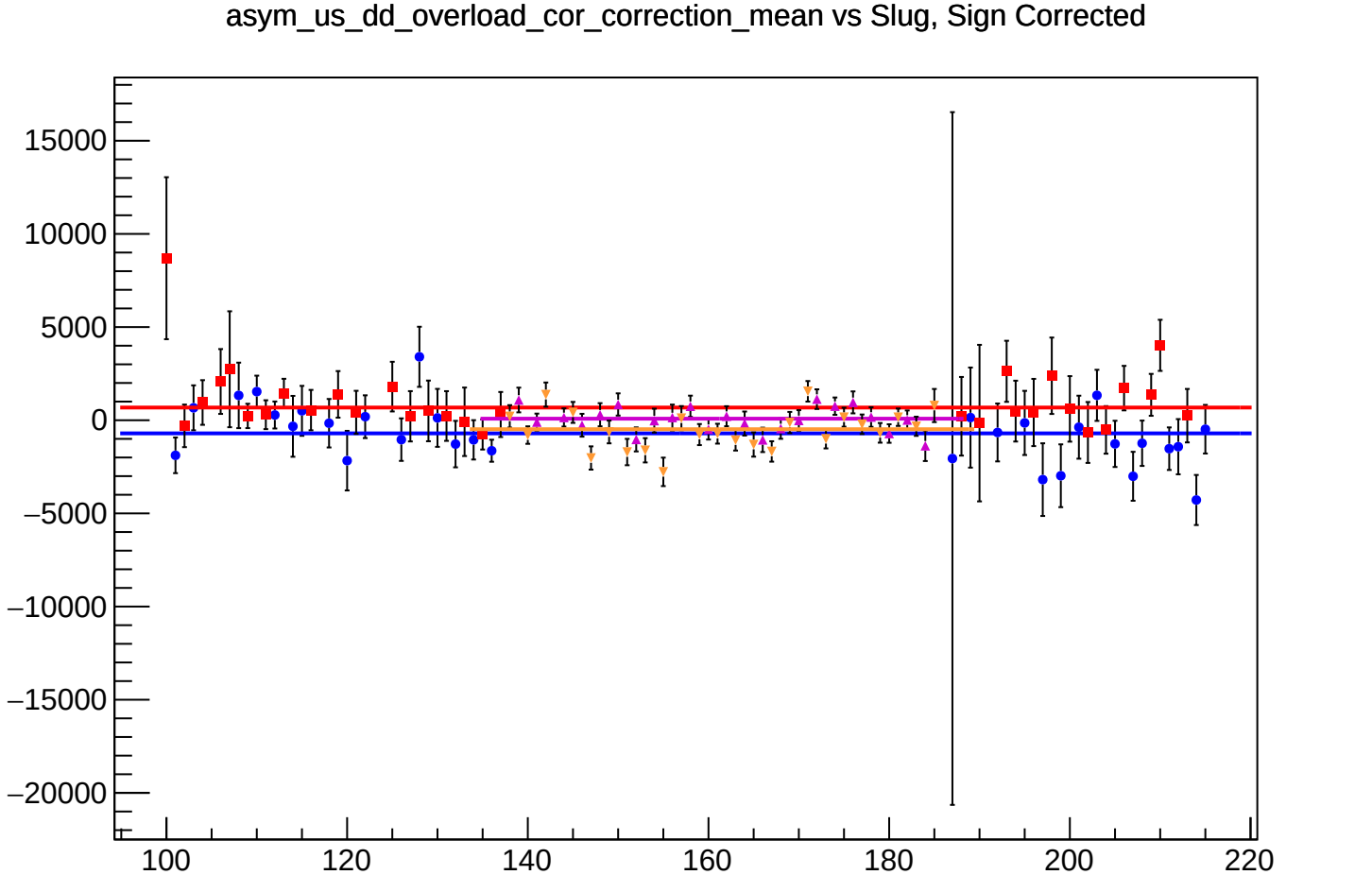
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 773.187+/-0.089 χ^2/NDF: 466061.7/62

In: 772.333+/-0.089 χ^2/NDF:106343.7/53

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

All: 773.867+/-0.063 χ^2/NDF: 471410.1/109



Right In: -704.932+/-219.902 χ^2/NDF: 42.3/30

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

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

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

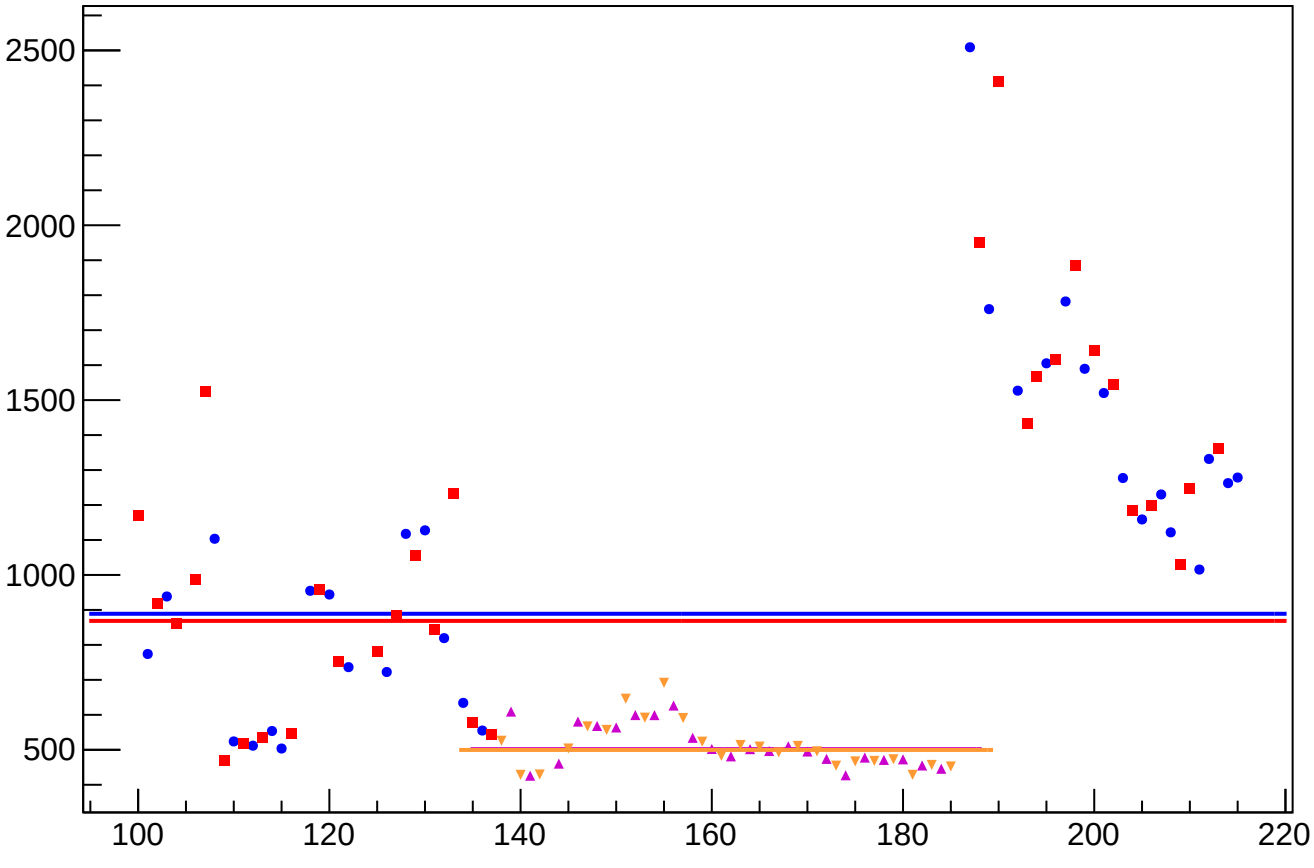
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: -26.543+/-157.136 χ^2/NDF: 84.4/61

In: -93.454+/-104.109 χ^2/NDF:80.5/53

Out: -232.898+/-103.831 χ^2/NDF:107.3/54

All: -163.363+/-73.518 χ^2/NDF: 188.7/108



Right In: 888.995+/-0.155 χ^2/NDF: 5104206.7/30

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

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

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

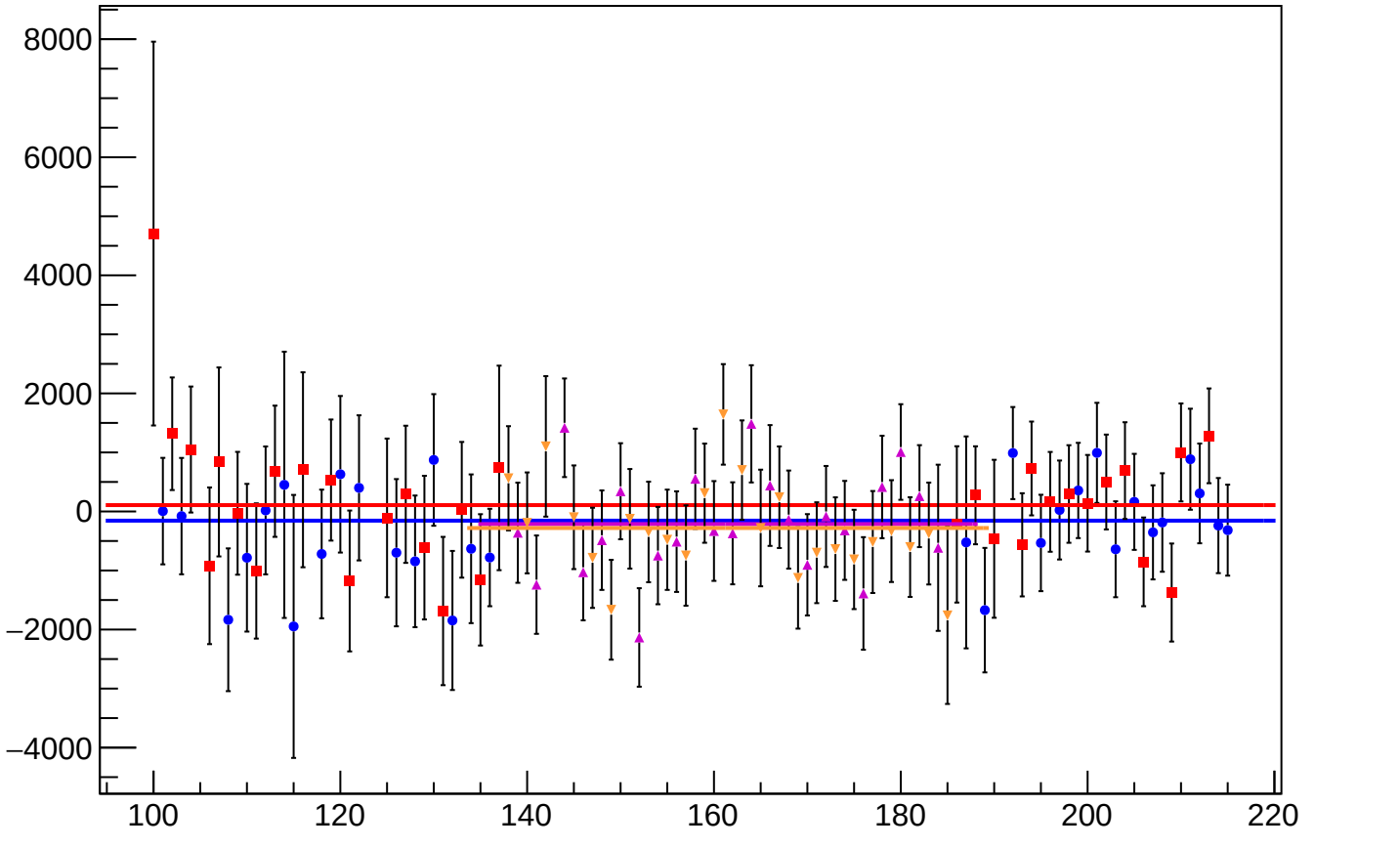
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 879.039+/-0.111 χ^2/NDF: 11153479.7/61

In: 588.761+/-0.074 χ^2/NDF:10376815.2/53

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

All: 583.623+/-0.052 χ^2/NDF: 21187382.6/10



Right In: -155.735+/-174.842 χ^2/NDF: 17.1/30

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

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

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

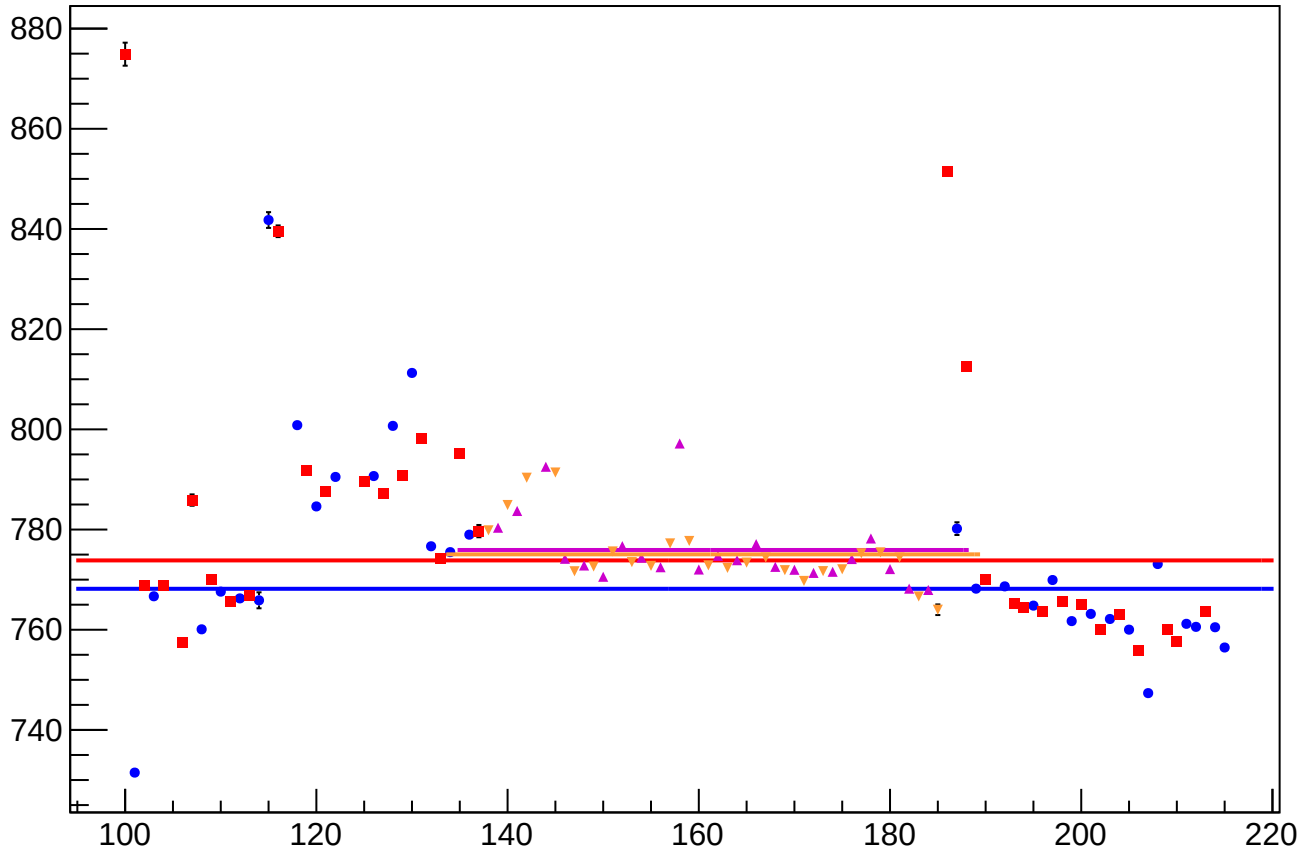
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -27.273+/-125.138 χ^2/NDF: 40.4/62

In: -183.555+/-125.809 χ^2/NDF:39.6/53

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

All: -135.020+/-89.360 χ^2/NDF: 80.4/109



Right In: 768.174+/-0.124 χ^2/NDF: 17234.7/30

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

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

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

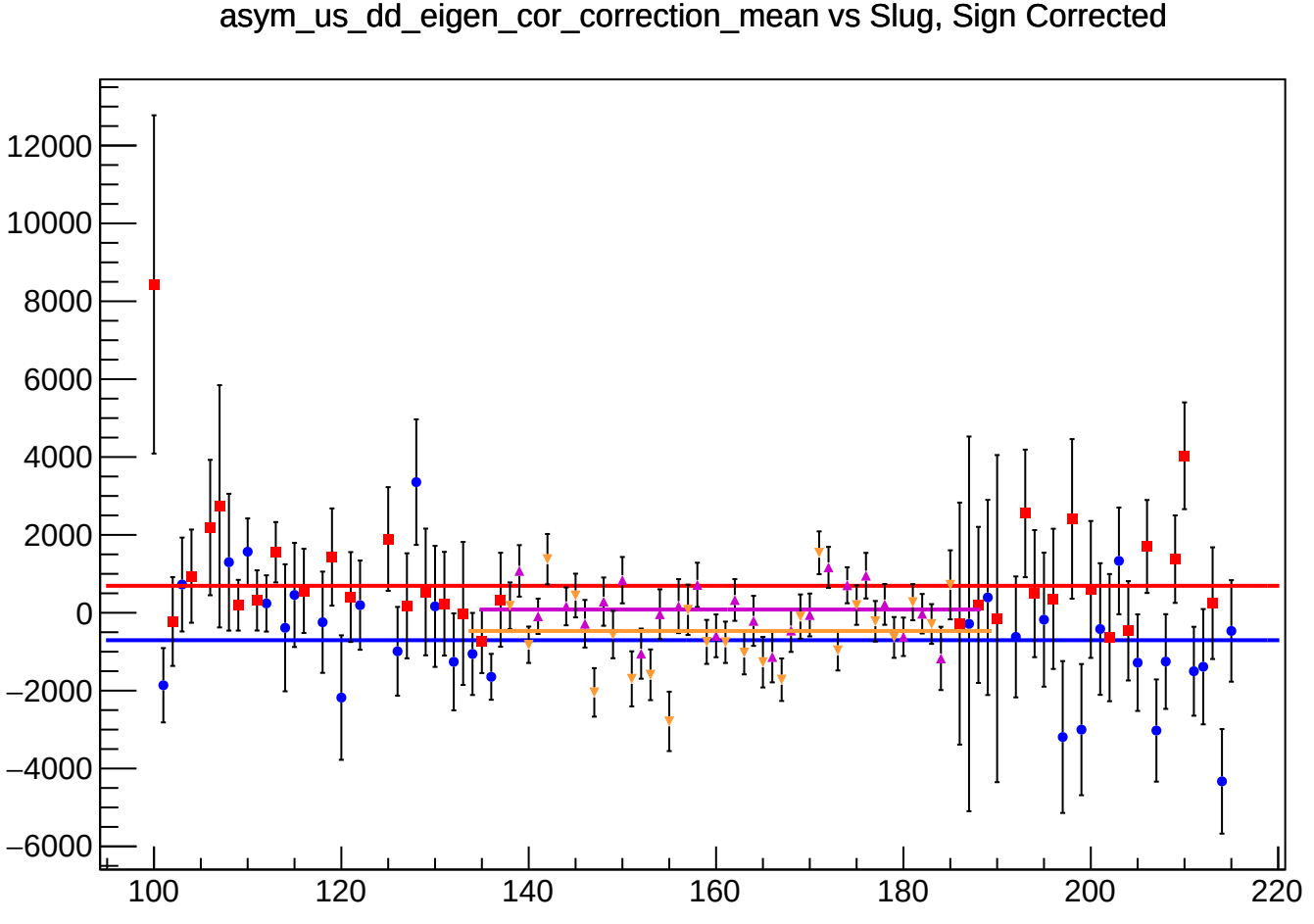
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.937+/-0.088 χ^2/NDF: 43584.5/62

In: 771.910+/-0.089 χ^2/NDF:22101.6/53

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

All: 773.165+/-0.063 χ^2/NDF: 49825.3/109



Right In: -705.011+/-219.343 χ^2/NDF: 42.5/30

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

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

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

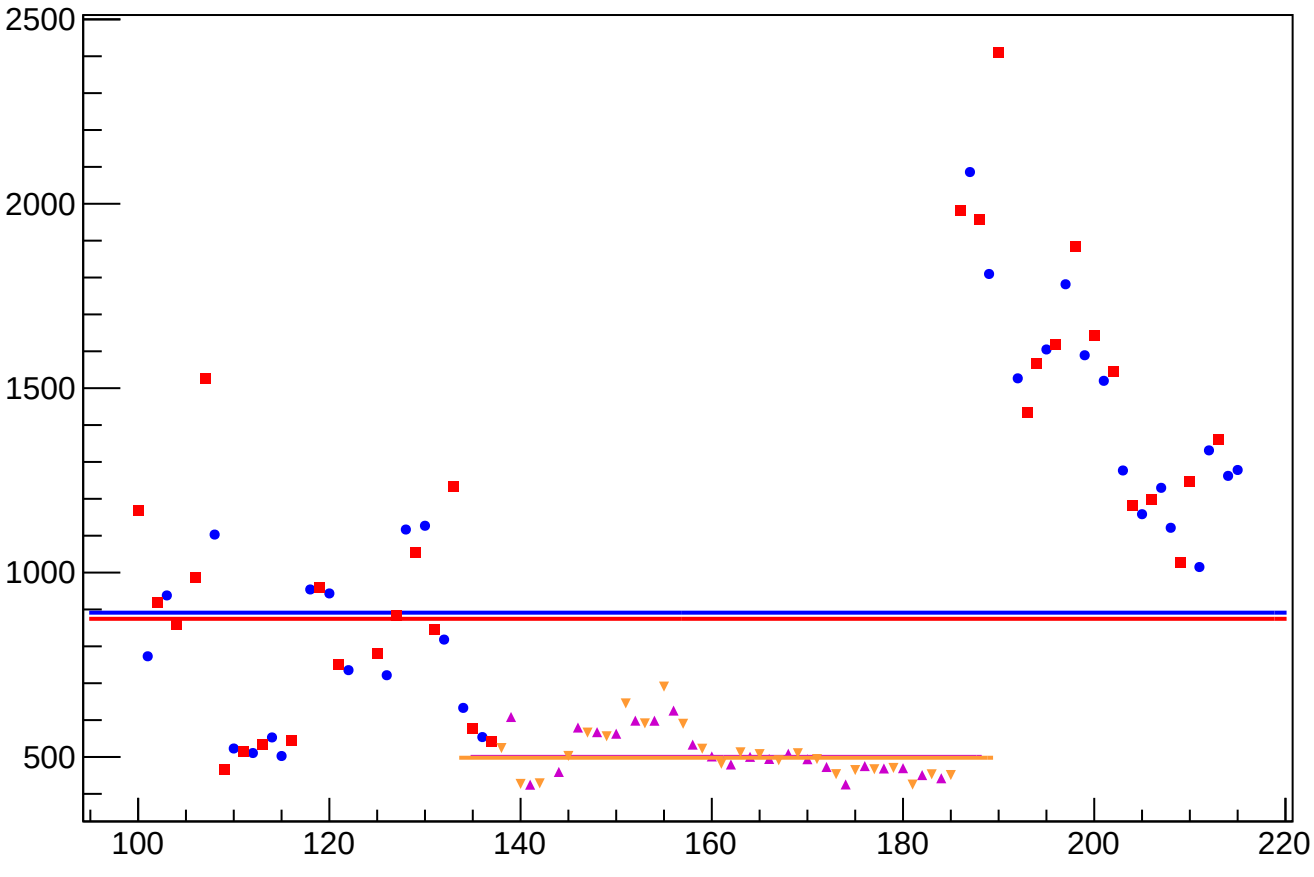
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: -19.761+/-156.594 χ^2/NDF: 85.2/62

In: -93.304+/-103.786 χ^2/NDF:80.6/53

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

All: -156.293+/-73.275 χ^2/NDF: 189.8/109



Right In: 891.304+/-0.155 χ^2/NDF: 5289202.2/30

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

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

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

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

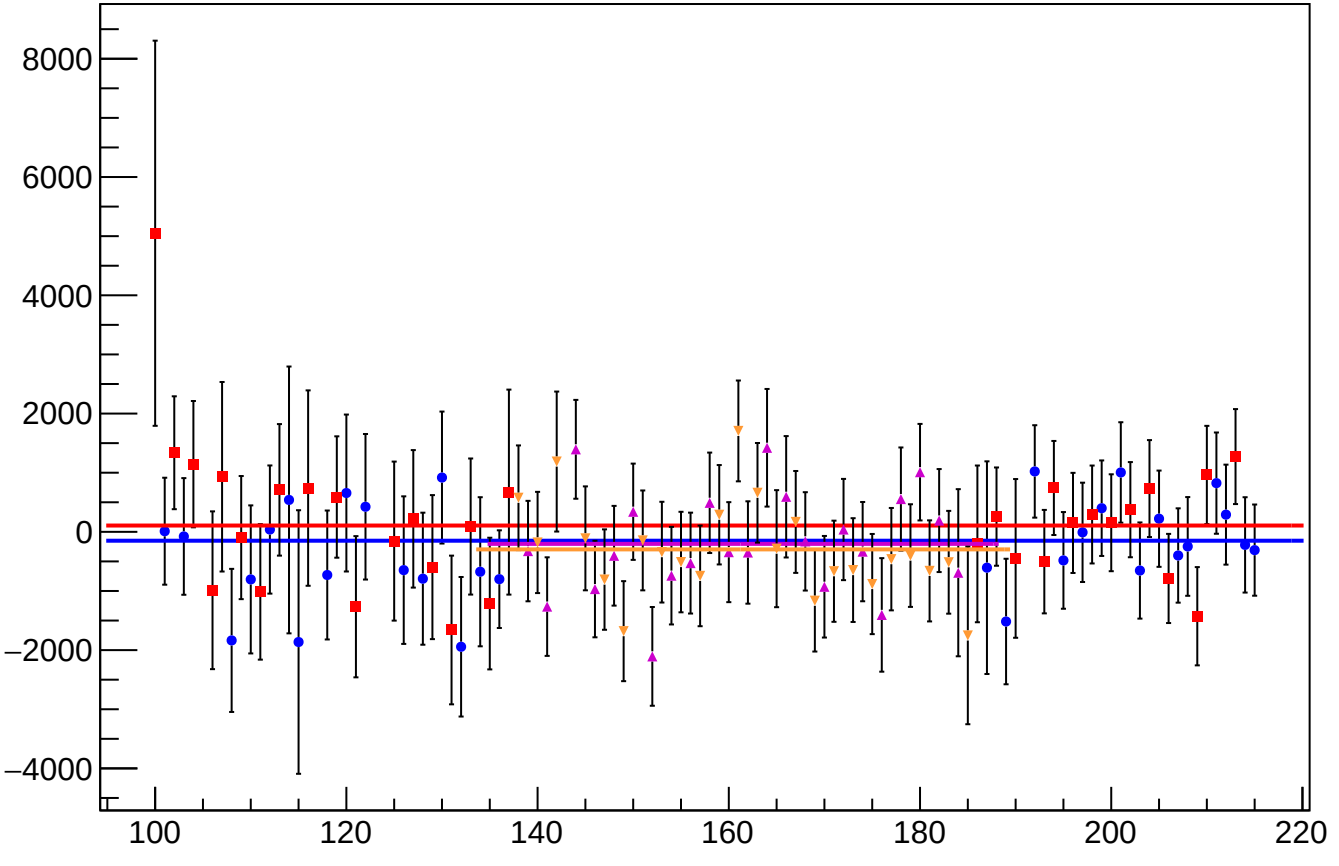
Right: 883.132+/-0.111 χ^2/NDF: 11679425.9/62

In: 587.845+/-0.073 χ^2/NDF:10698957.4/53

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

All: 583.207+/-0.052 χ^2/NDF: 22077741.0/10

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -149.953+/-175.045 χ^2/NDF: 17.1/30

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

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

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

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

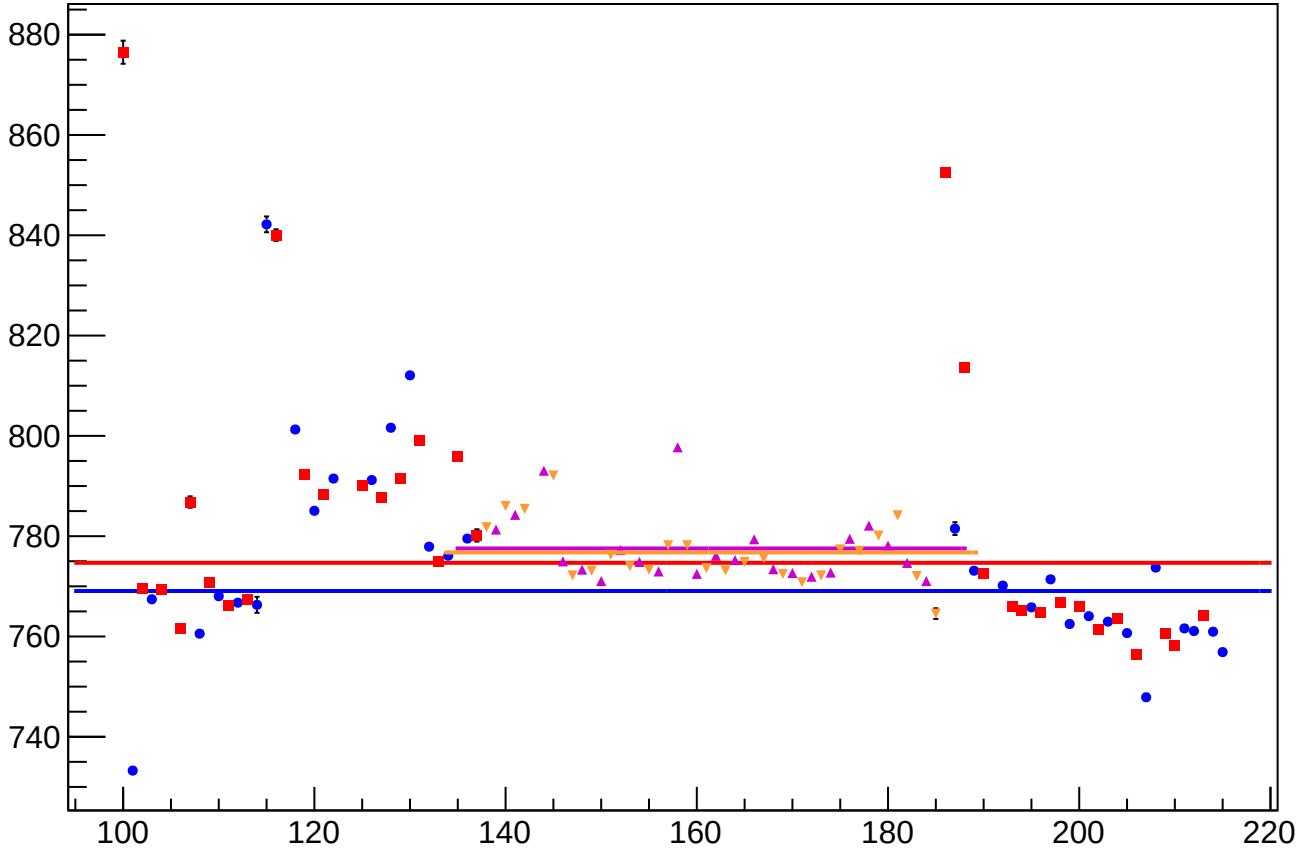
Right: -24.756+/-125.286 χ^2/NDF: 41.0/62

In: -175.673+/-126.012 χ^2/NDF:39.3/53

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

All: -135.219+/-89.509 χ^2/NDF: 81.5/109

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.067+/-0.124 χ^2/NDF: 17111.7/30

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

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

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

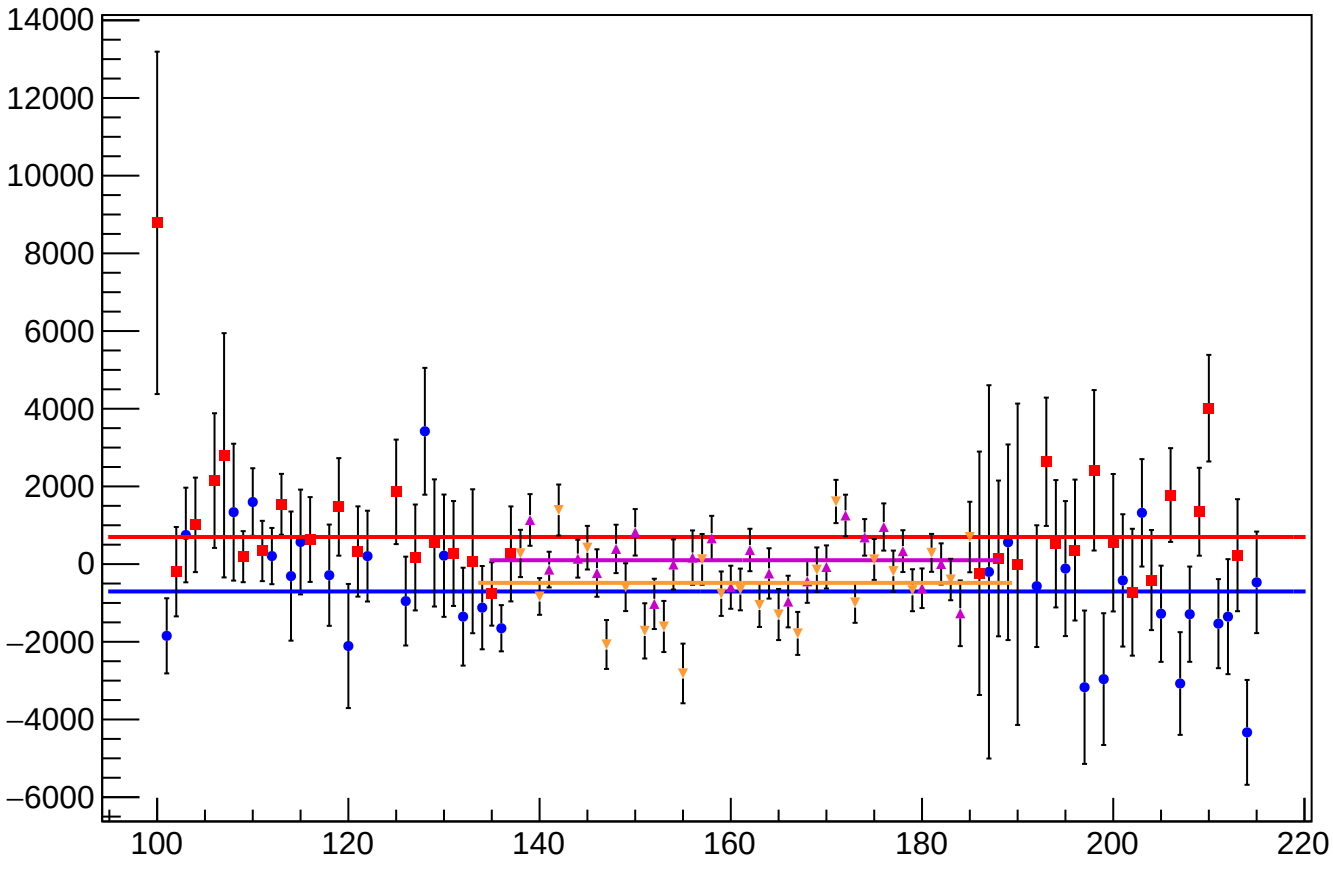
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 771.809+/-0.089 χ^2/NDF: 43348.4/62

In: 773.154+/-0.089 χ^2/NDF:22125.2/53

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

All: 774.423+/-0.063 χ^2/NDF: 49722.7/109



Right In: -704.093+/-221.190 χ^2/NDF: 42.4/30

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

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

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

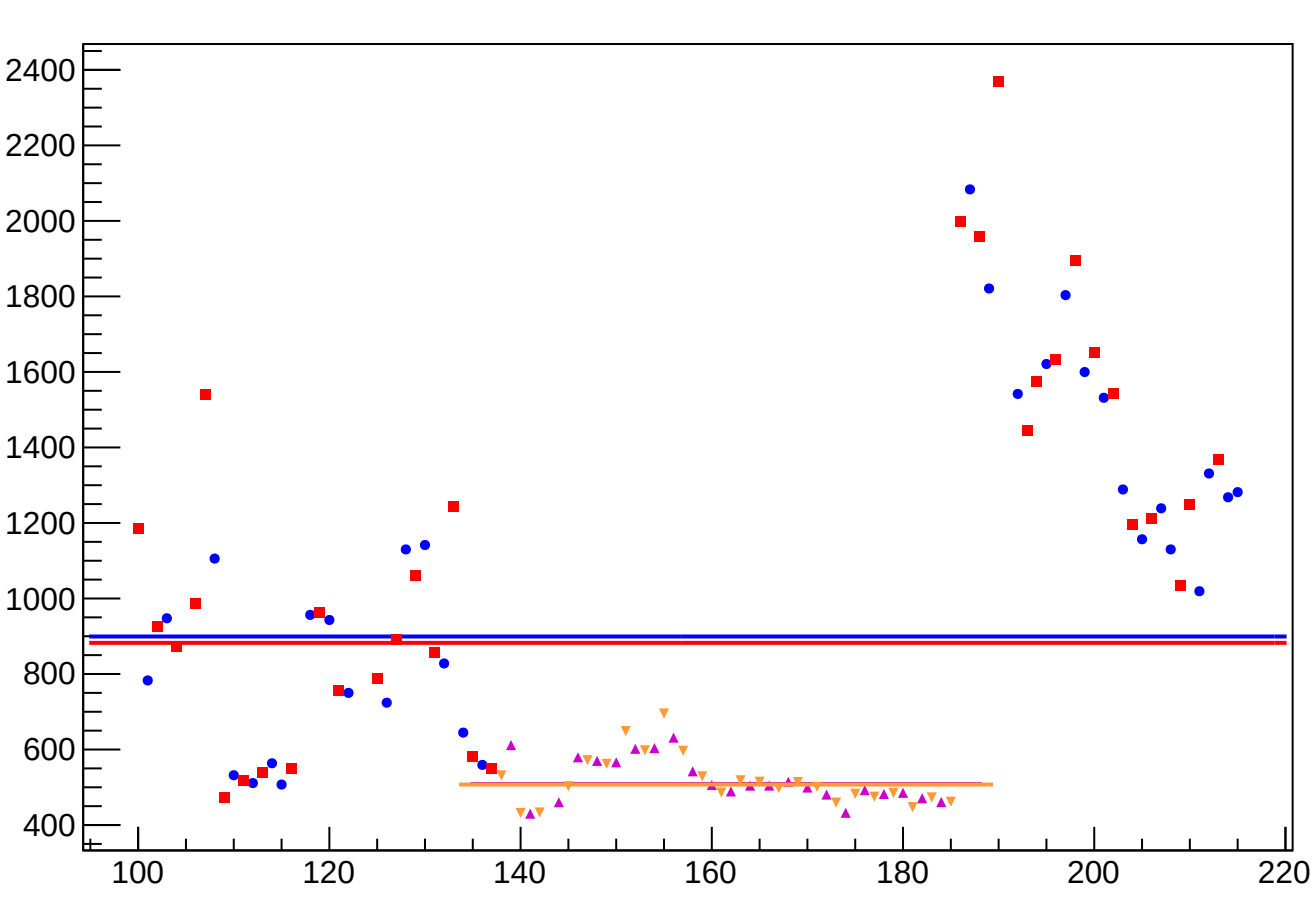
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

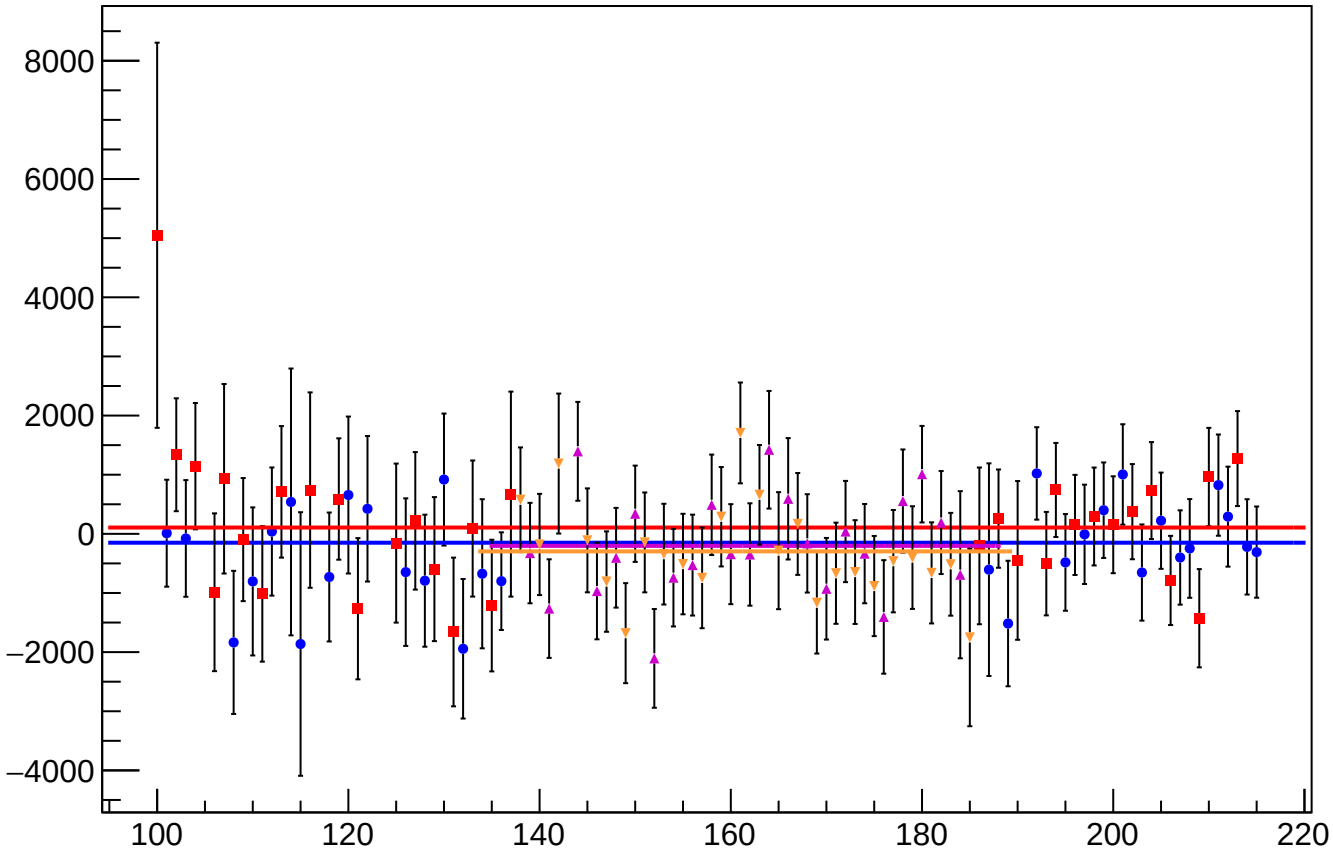
Right: -16.309+/-157.892 χ^2/NDF: 85.1/62

In: -82.099+/-105.258 χ^2/NDF:80.1/53

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

All: -154.246+/-74.374 χ^2/NDF: 190.6/109


asym_us_dd_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
220
Right In: 899.360+/-0.156 χ²/NDF: 5253263.6/30
Left Out: 507.319+/-0.084 χ²/NDF:473982.3/23
Right Out: 882.525+/-0.159 χ²/NDF: 6336997.7/31
Left In: 508.638+/-0.085 χ²/NDF:432447.1/22
Left: 507.974+/-0.060 χ²/NDF: 906551.9/46
Right: 891.103+/-0.112 χ²/NDF: 11595943.2/62
In: 597.118+/-0.074 χ²/NDF:10513189.6/53
Out: 588.863+/-0.074 χ²/NDF:11146284.8/55
All: 592.984+/-0.053 χ²/NDF: 21665633.8/10



Right In: -149.954+/-175.045 χ^2/NDF: 17.1/30

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

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

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

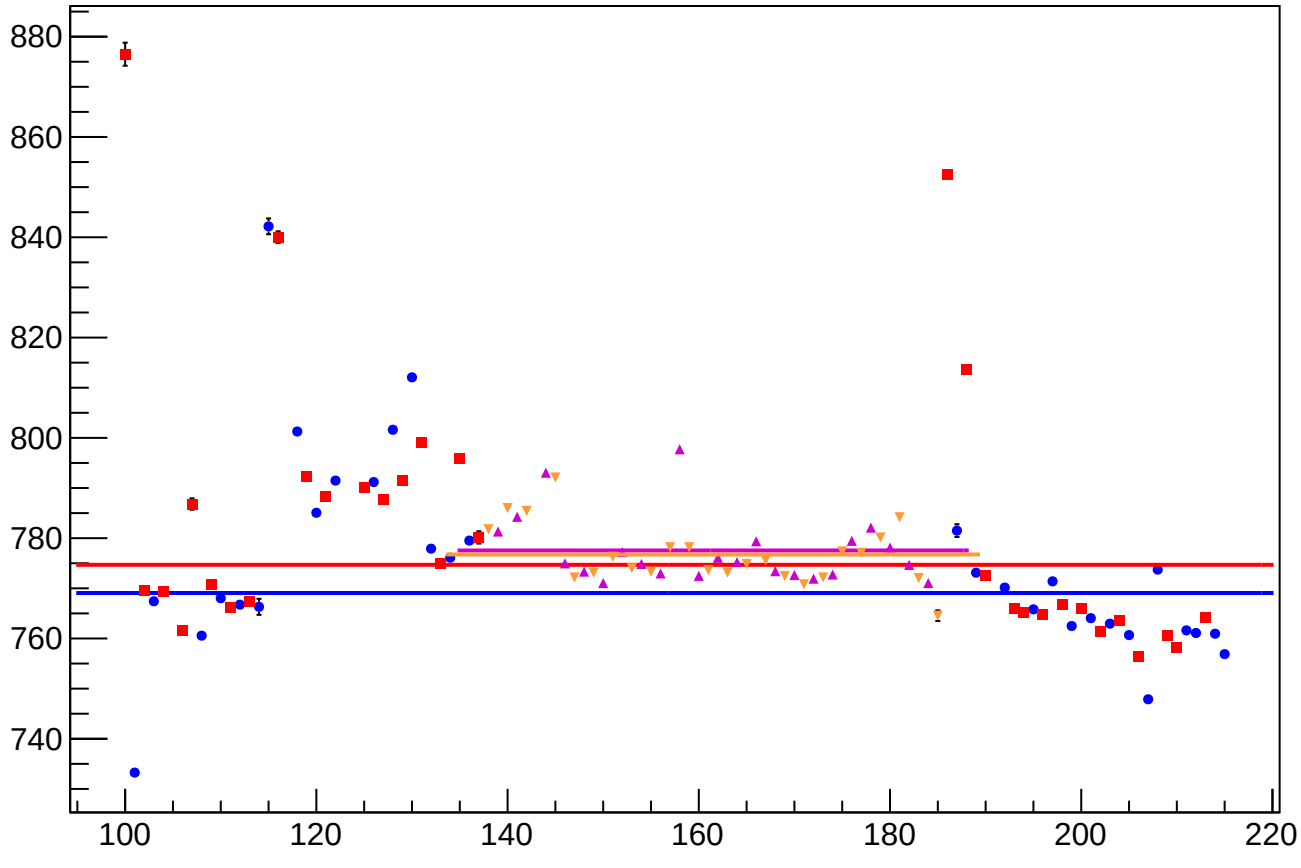
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -24.756+/-125.286 χ^2/NDF: 41.0/62

In: -175.673+/-126.012 χ^2/NDF:39.3/53

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

All: -135.220+/-89.509 χ^2/NDF: 81.5/109



Right In: 769.067+/-0.124 χ^2/NDF: 17111.6/30

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

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

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

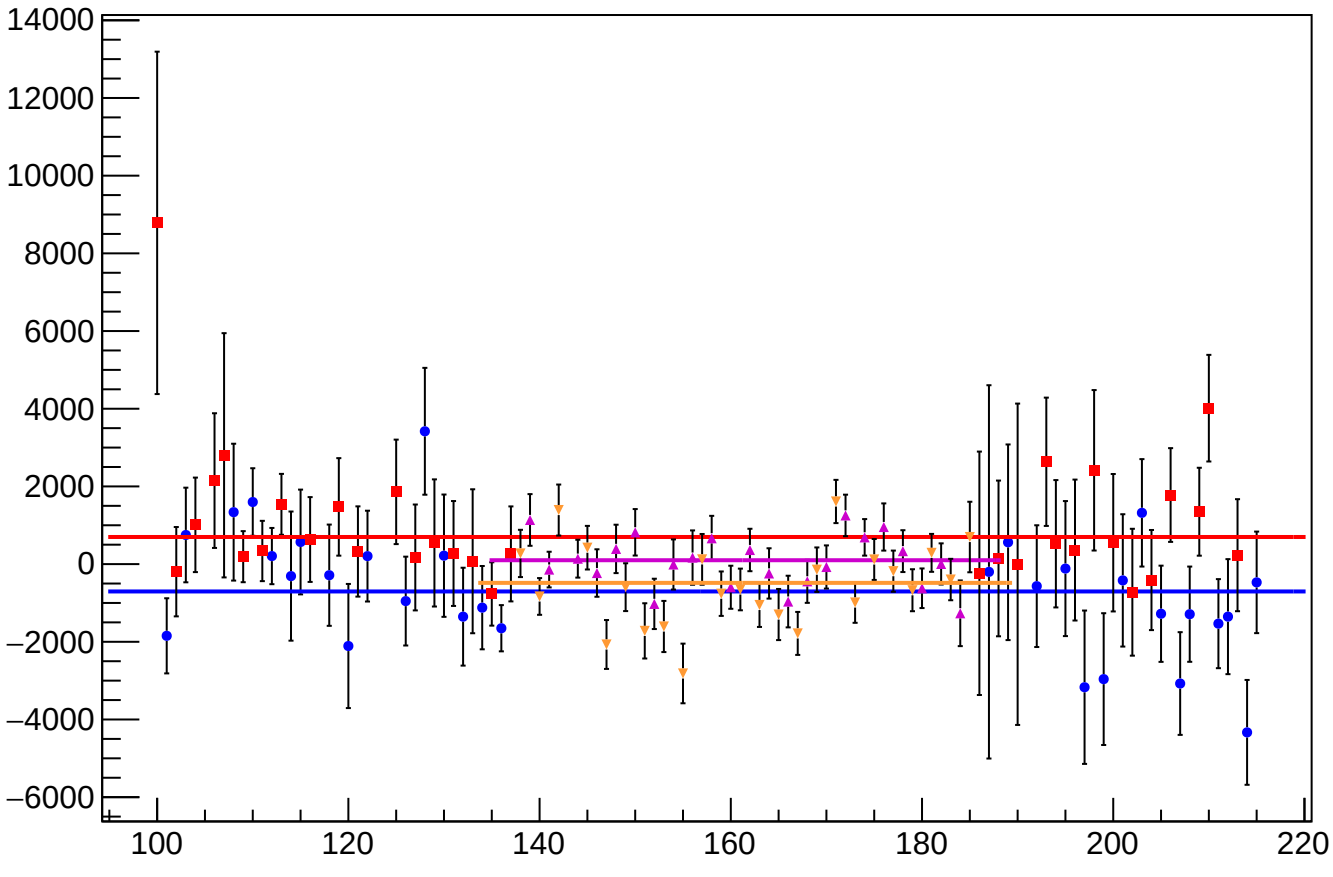
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 771.809+/-0.089 χ^2/NDF: 43348.3/62

In: 773.154+/-0.089 χ^2/NDF:22125.1/53

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

All: 774.423+/-0.063 χ^2/NDF: 49722.6/109



Right In: -704.087+/-221.189 χ^2/NDF: 42.4/30

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

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

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

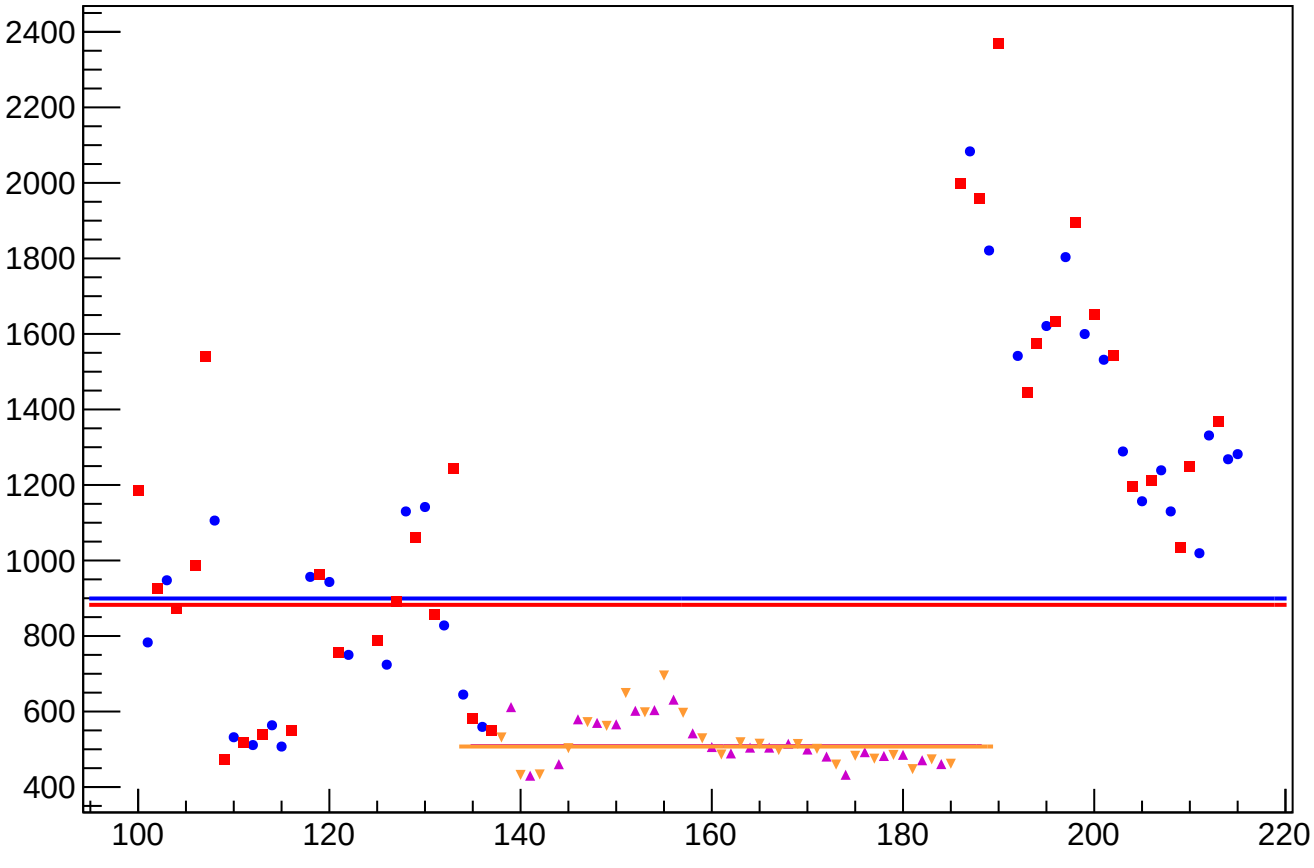
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: -16.307+/-157.892 χ^2/NDF: 85.1/62

In: -82.099+/-105.257 χ^2/NDF:80.1/53

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

All: -154.245+/-74.374 χ^2/NDF: 190.6/109



Right In: 899.356+/-0.156 χ^2/NDF: 5253336.9/30

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

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

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

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

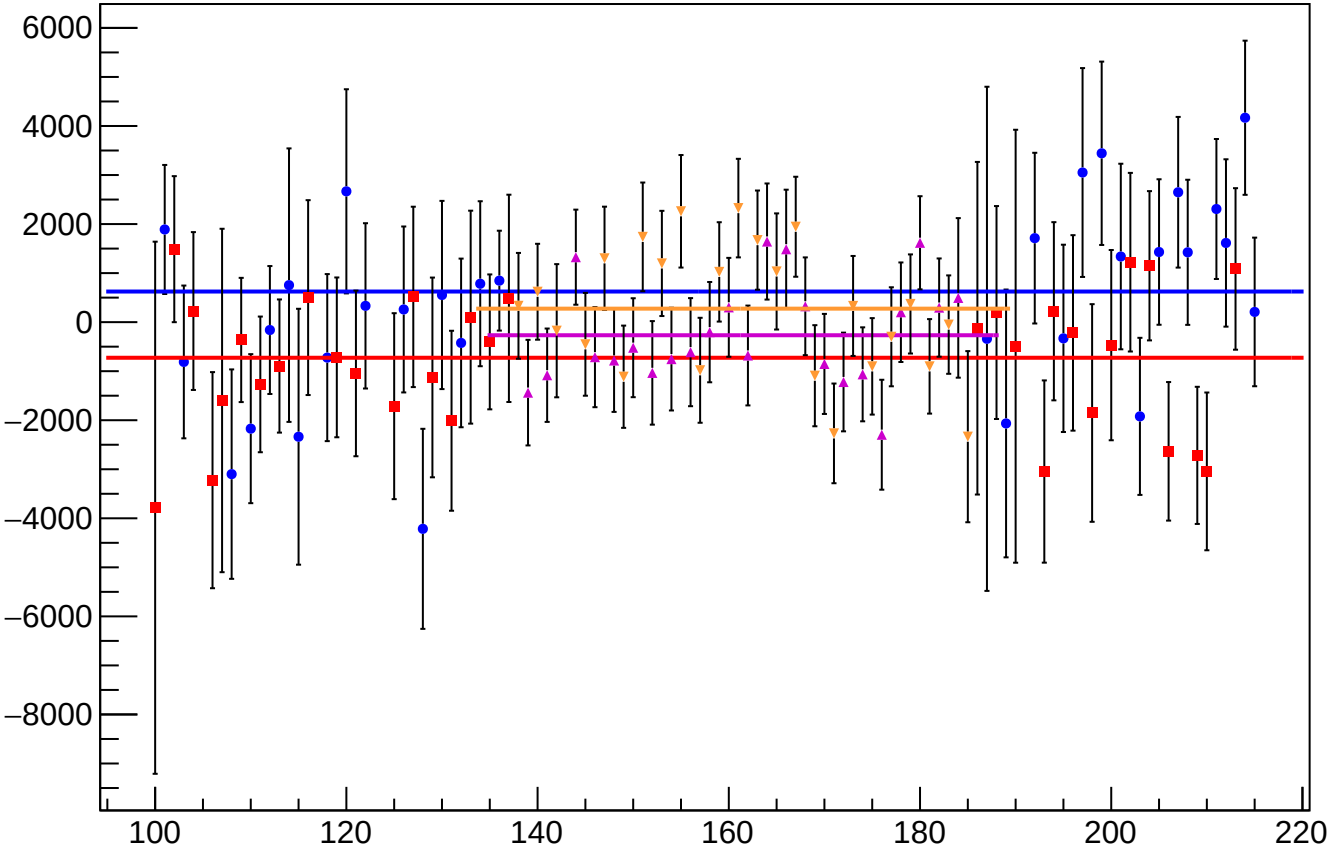
Right: 891.100+/-0.112 χ^2/NDF: 11596086.6/62

In: 597.117+/-0.074 χ^2/NDF:10513215.8/53

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

All: 592.984+/-0.053 χ^2/NDF: 21665673.3/10

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 624.308+/-302.729 χ^2/NDF: 34.7/30

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

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

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

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

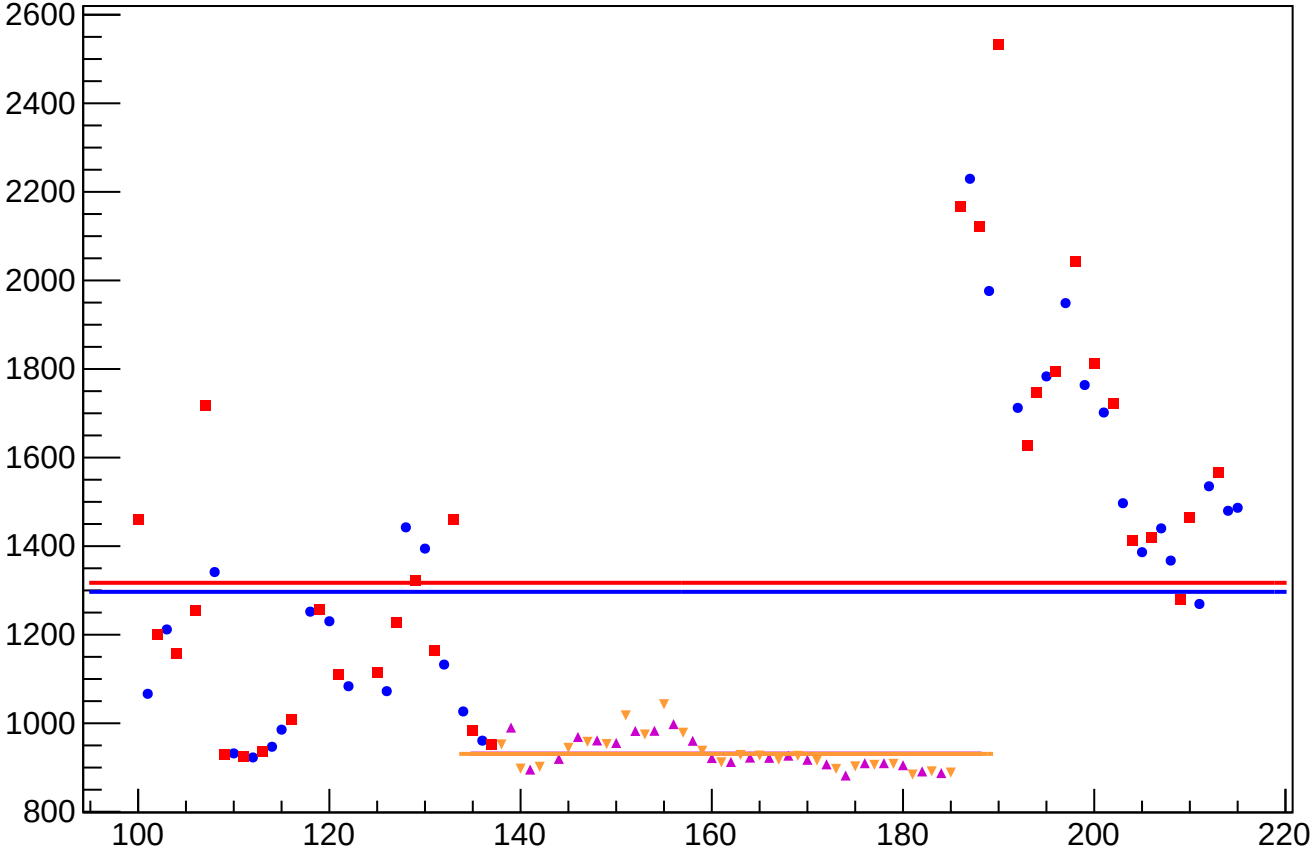
Right: -23.788+/-218.322 χ^2/NDF: 63.1/62

In: 36.749+/-176.736 χ^2/NDF:61.8/53

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

All: -3.979+/-125.532 χ^2/NDF: 121.2/109

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1296.808+/-0.214 χ^2/NDF: 1777220.2/30

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

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

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

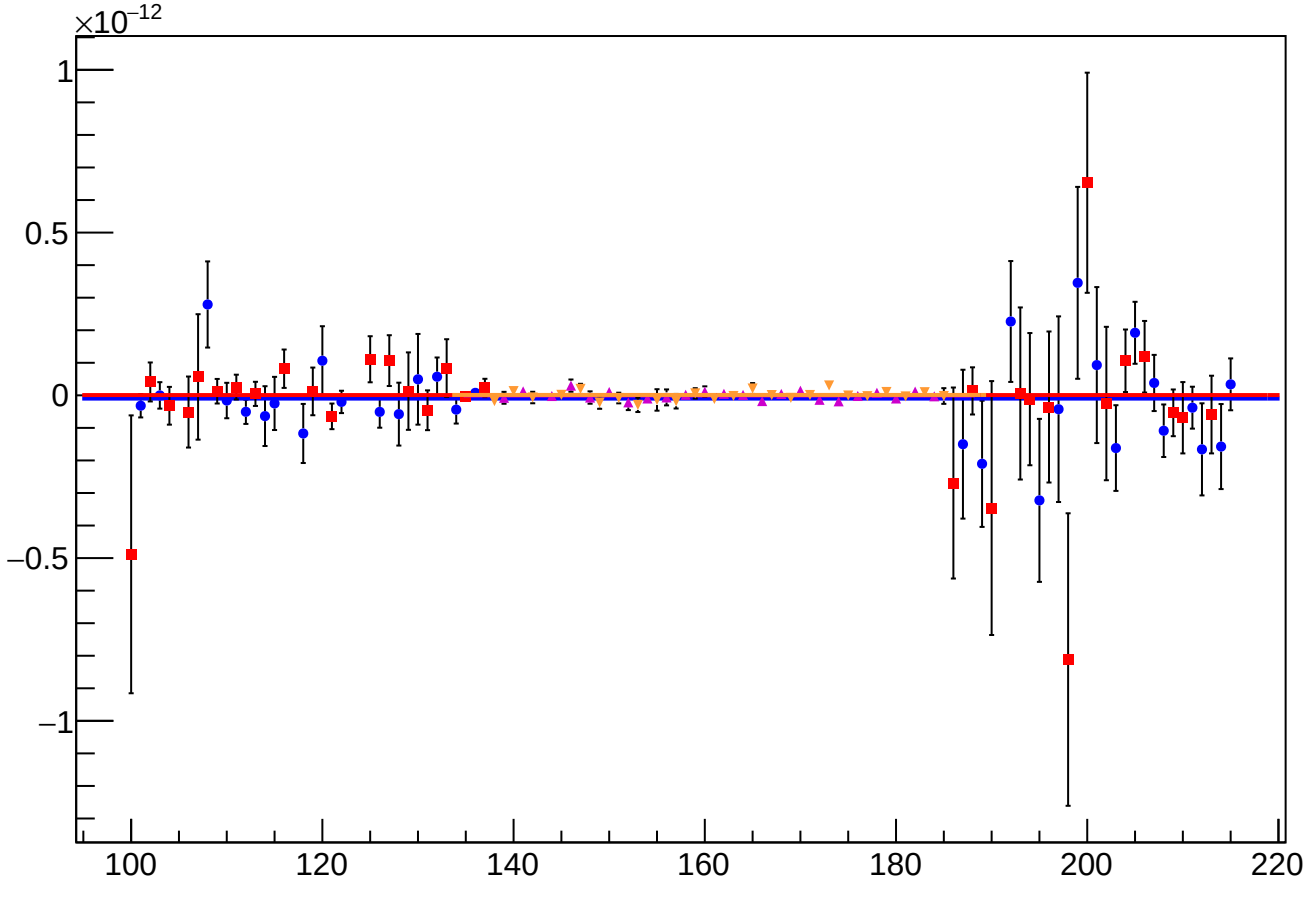
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1306.609+/-0.154 χ^2/NDF: 4017186.4/62

In: 1056.050+/-0.125 χ^2/NDF:3745190.6/53

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

All: 1055.339+/-0.089 χ^2/NDF: 8085671.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 30.8/30

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

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

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

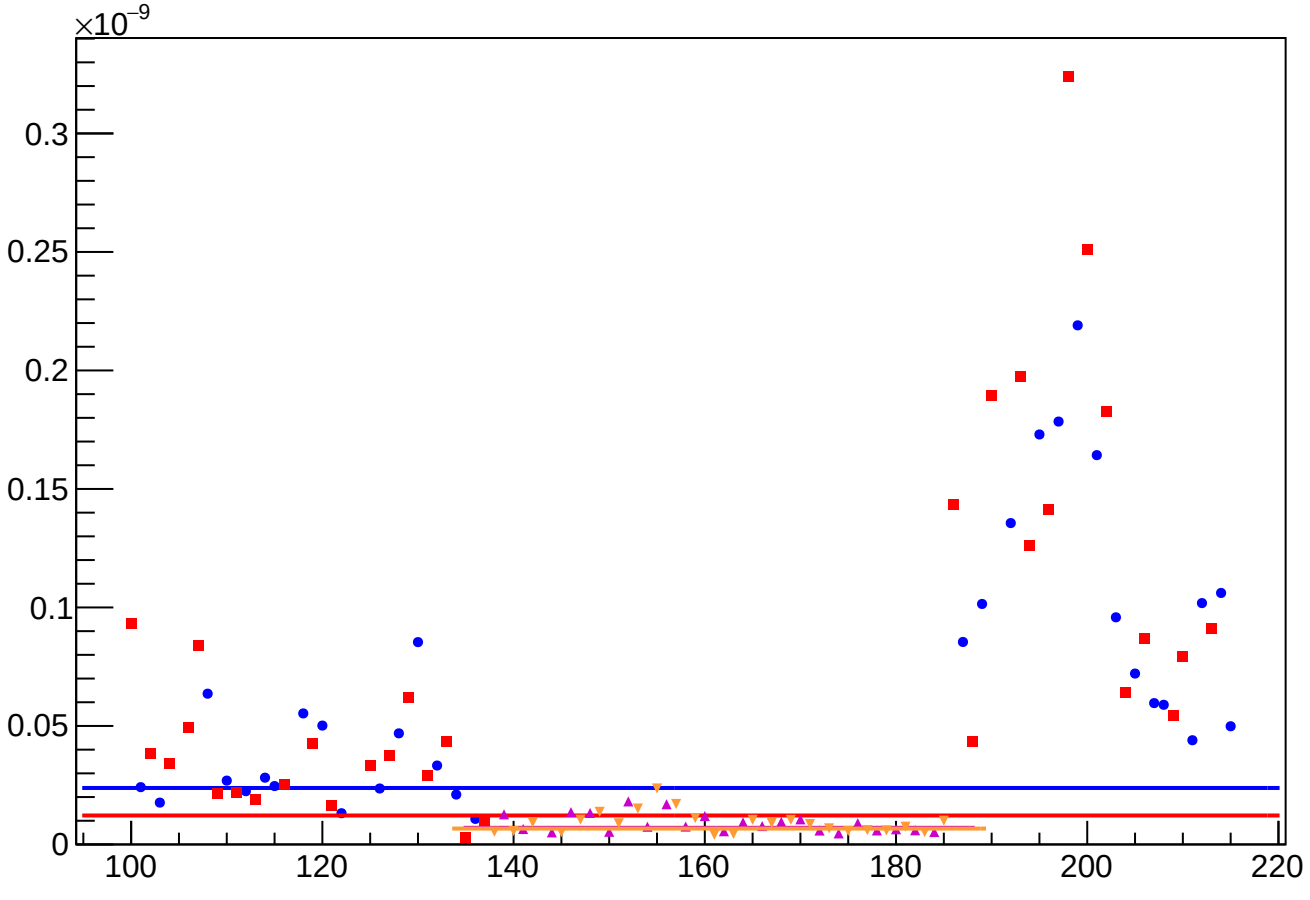
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 58.2/62

In: -0.000+/-0.000 χ^2/NDF:53.8/53

Out: 0.000+/-0.000 χ^2/NDF:52.3/55

All: 0.000+/-0.000 χ^2/NDF: 106.5/109



Right In: 0.000+/-0.000 χ^2/NDF: 10526020.0/30

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

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

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

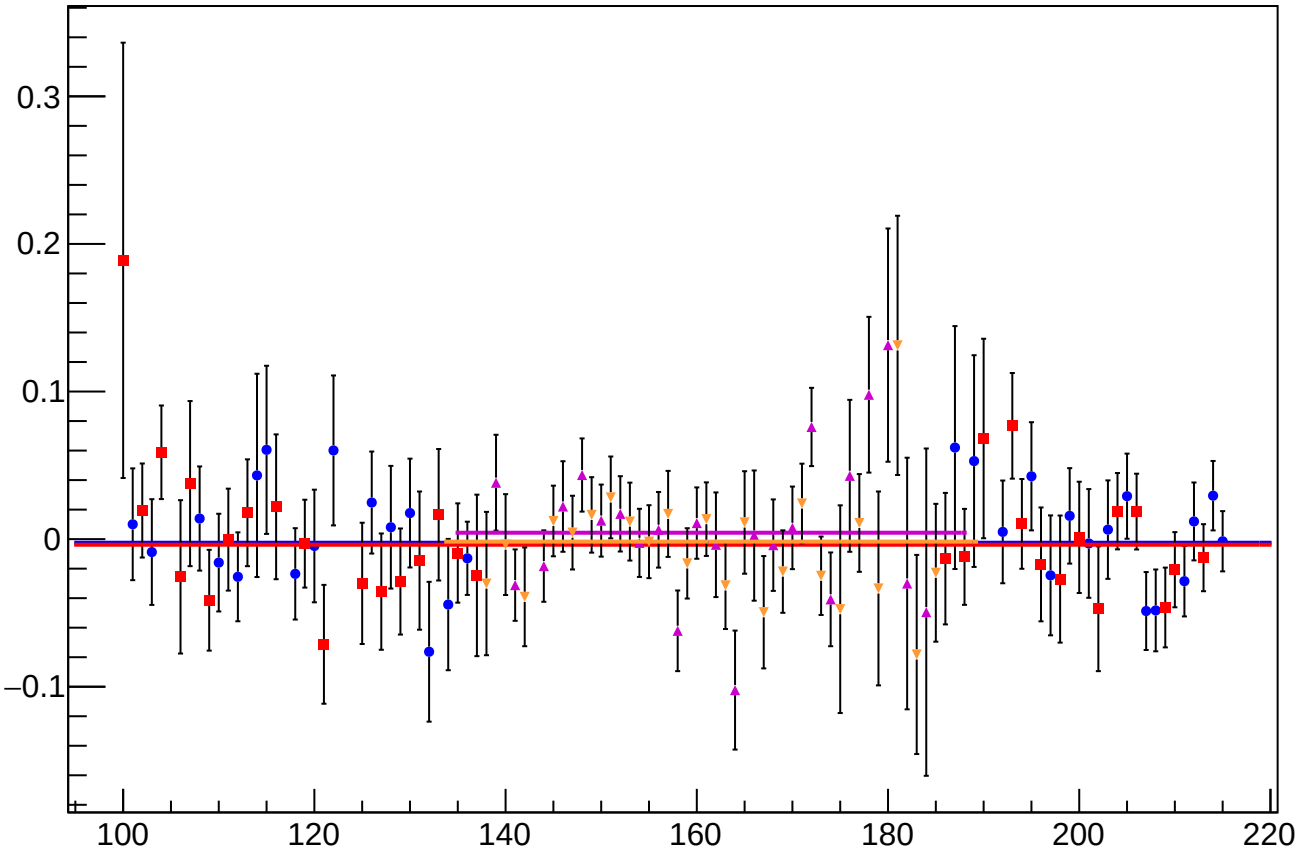
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 28091373.9/62

In: 0.000+/-0.000 χ^2/NDF:18644579.2/53

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

All: 0.000+/-0.000 χ^2/NDF: 38479112.5/109



Right In: -0.002+/-0.006 χ^2/NDF: 23.0/30

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

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

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

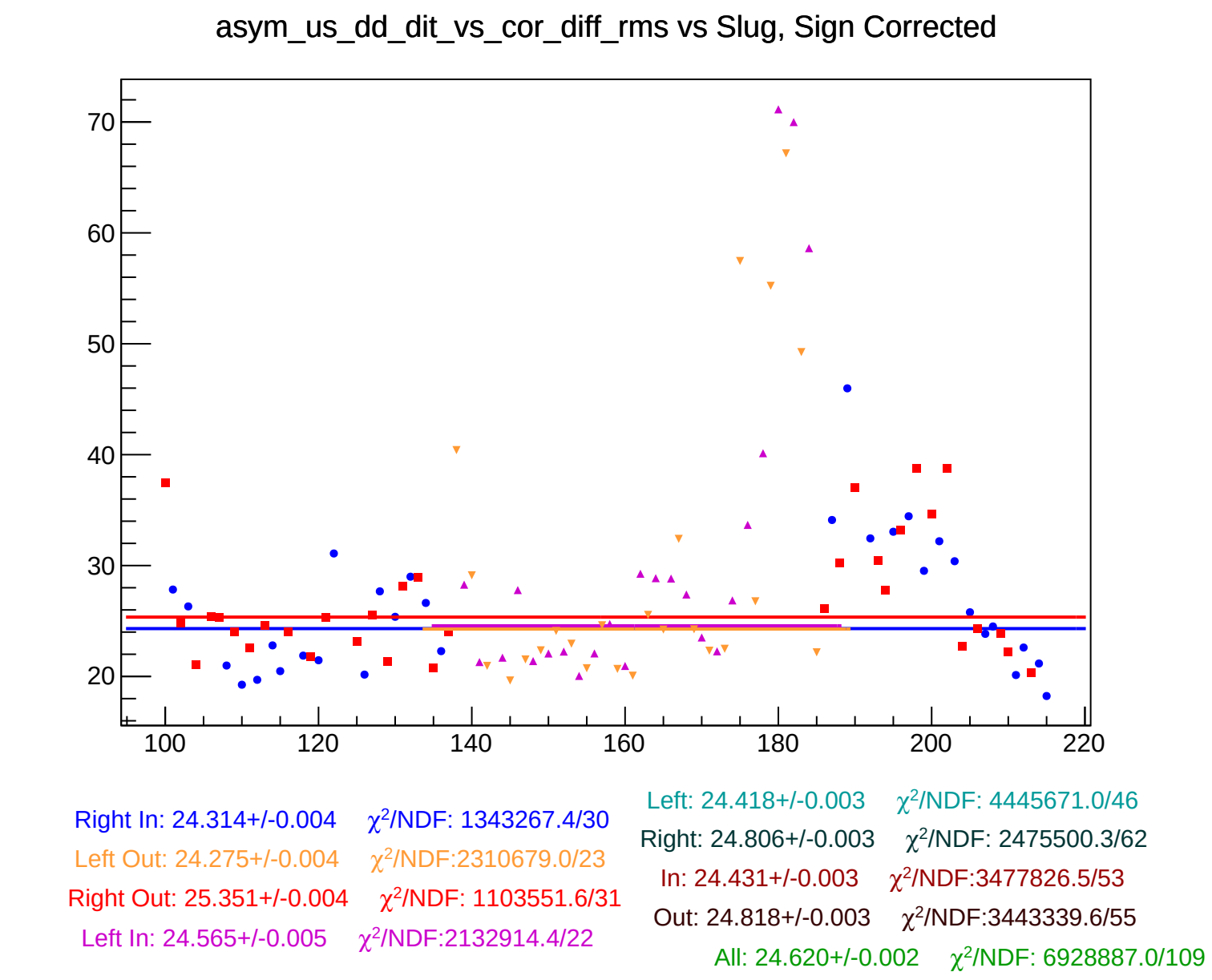
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.004 χ^2/NDF: 49.1/62

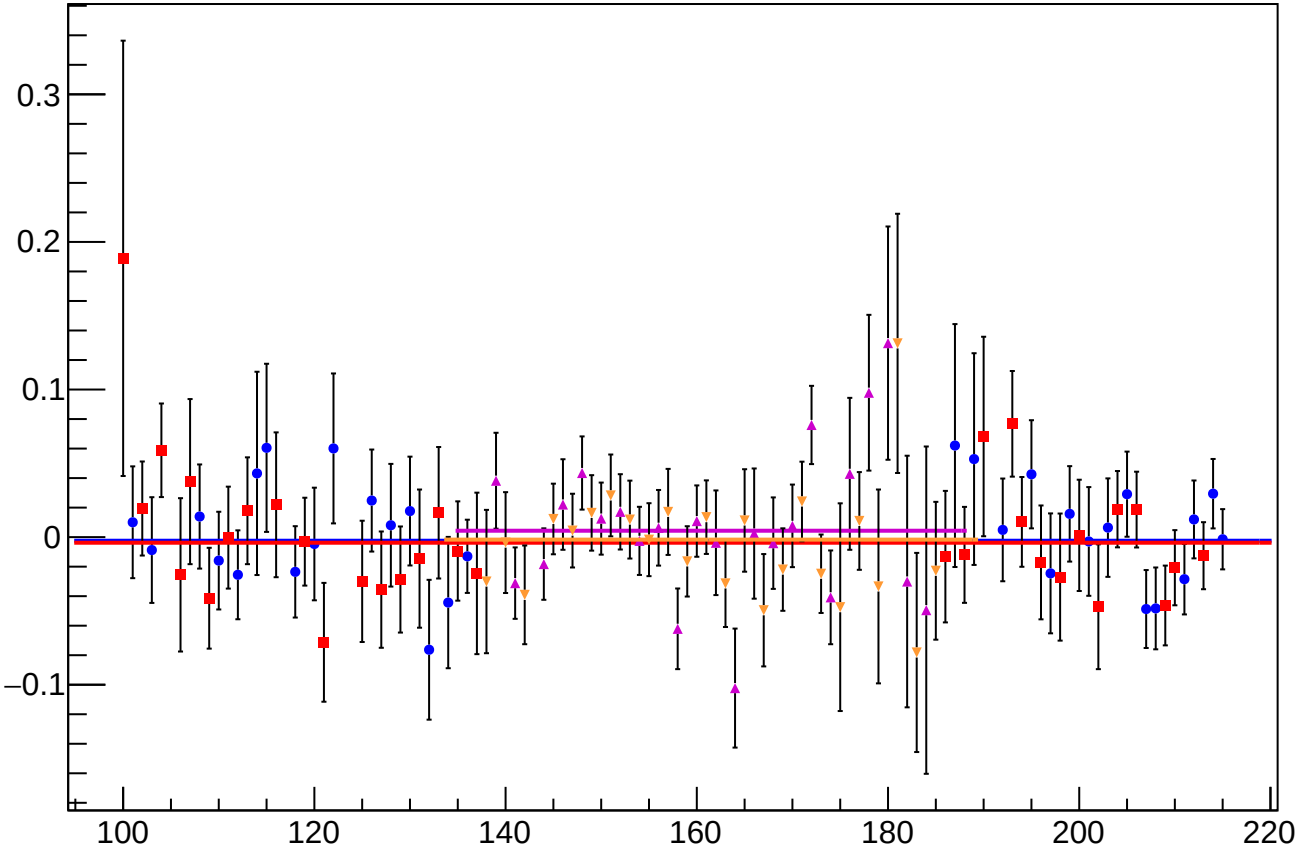
In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

All: -0.001+/-0.003 χ^2/NDF: 101.2/109


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
220
Right In: 24.314+/-0.004 χ²/NDF: 1343267.4/30
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.351+/-0.004 χ²/NDF: 1103551.6/31
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 24.806+/-0.003 χ²/NDF: 2475500.3/62
In: 24.431+/-0.003 χ²/NDF:3477826.5/53
Out: 24.818+/-0.003 χ²/NDF:3443339.6/55
All: 24.620+/-0.002 χ²/NDF: 6928887.0/109

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 23.0/30

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

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

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

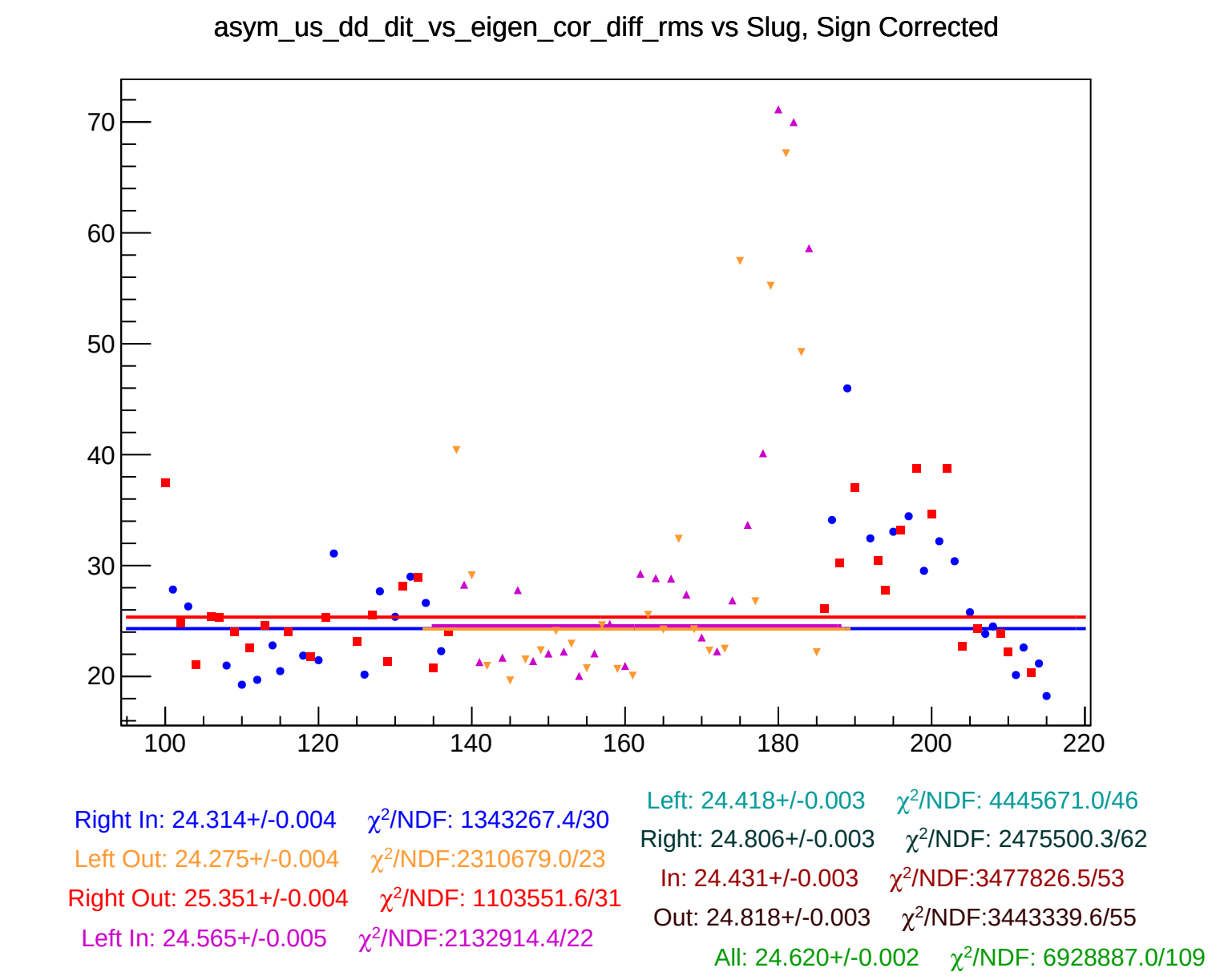
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.004 χ^2/NDF: 49.1/62

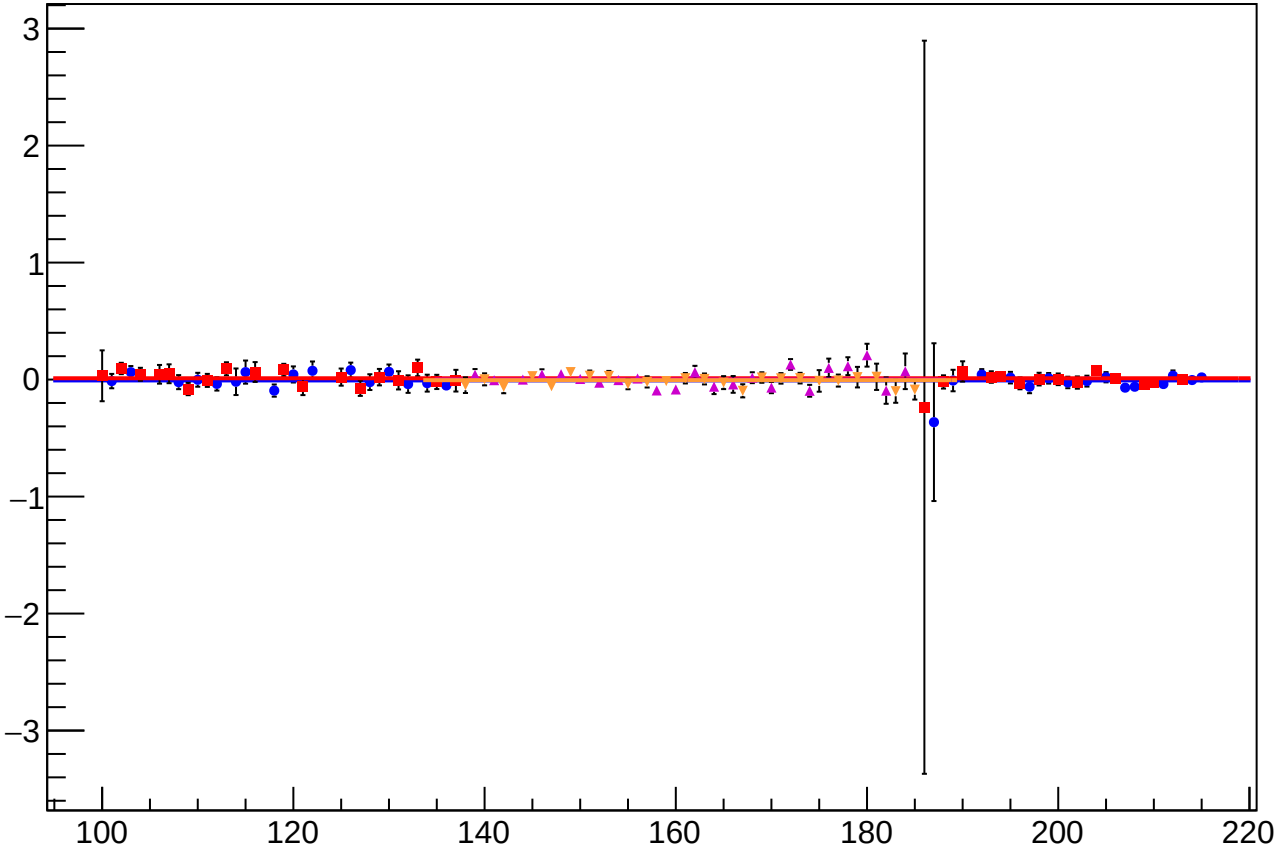
In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

All: -0.001+/-0.003 χ^2/NDF: 101.2/109


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
220
Right In: 24.314+/-0.004 χ²/NDF: 1343267.4/30
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.351+/-0.004 χ²/NDF: 1103551.6/31
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 24.806+/-0.003 χ²/NDF: 2475500.3/62
In: 24.431+/-0.003 χ²/NDF:3477826.5/53
Out: 24.818+/-0.003 χ²/NDF:3443339.6/55
All: 24.620+/-0.002 χ²/NDF: 6928887.0/109

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.010 χ^2/NDF: 20.6/30

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

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

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

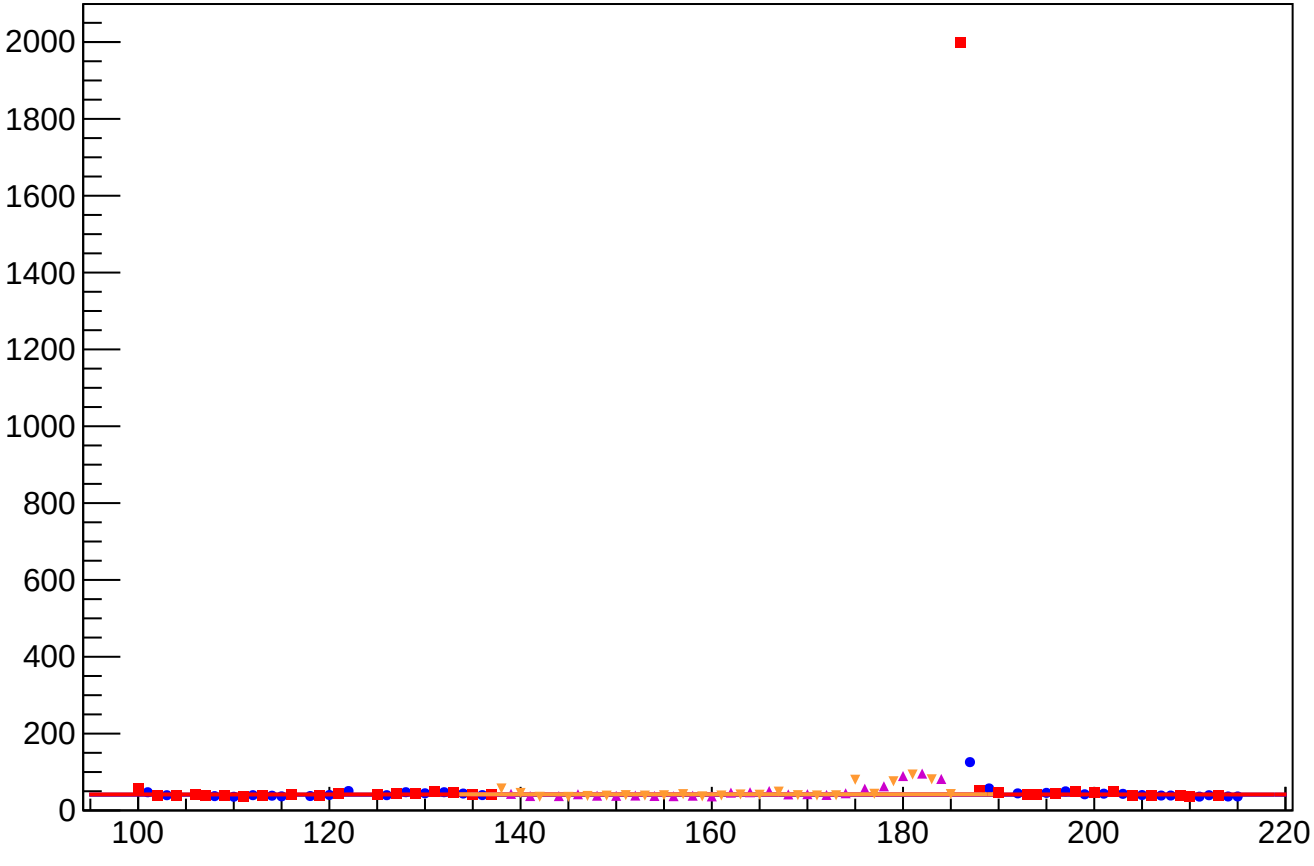
Right: 0.002+/-0.007 χ^2/NDF: 45.4/62

In: -0.004+/-0.007 χ^2/NDF:58.8/53

Out: 0.003+/-0.007 χ^2/NDF:38.2/55

All: -0.000+/-0.005 χ^2/NDF: 97.5/109

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.947+/-0.007 χ^2/NDF: 420341.7/30

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

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

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

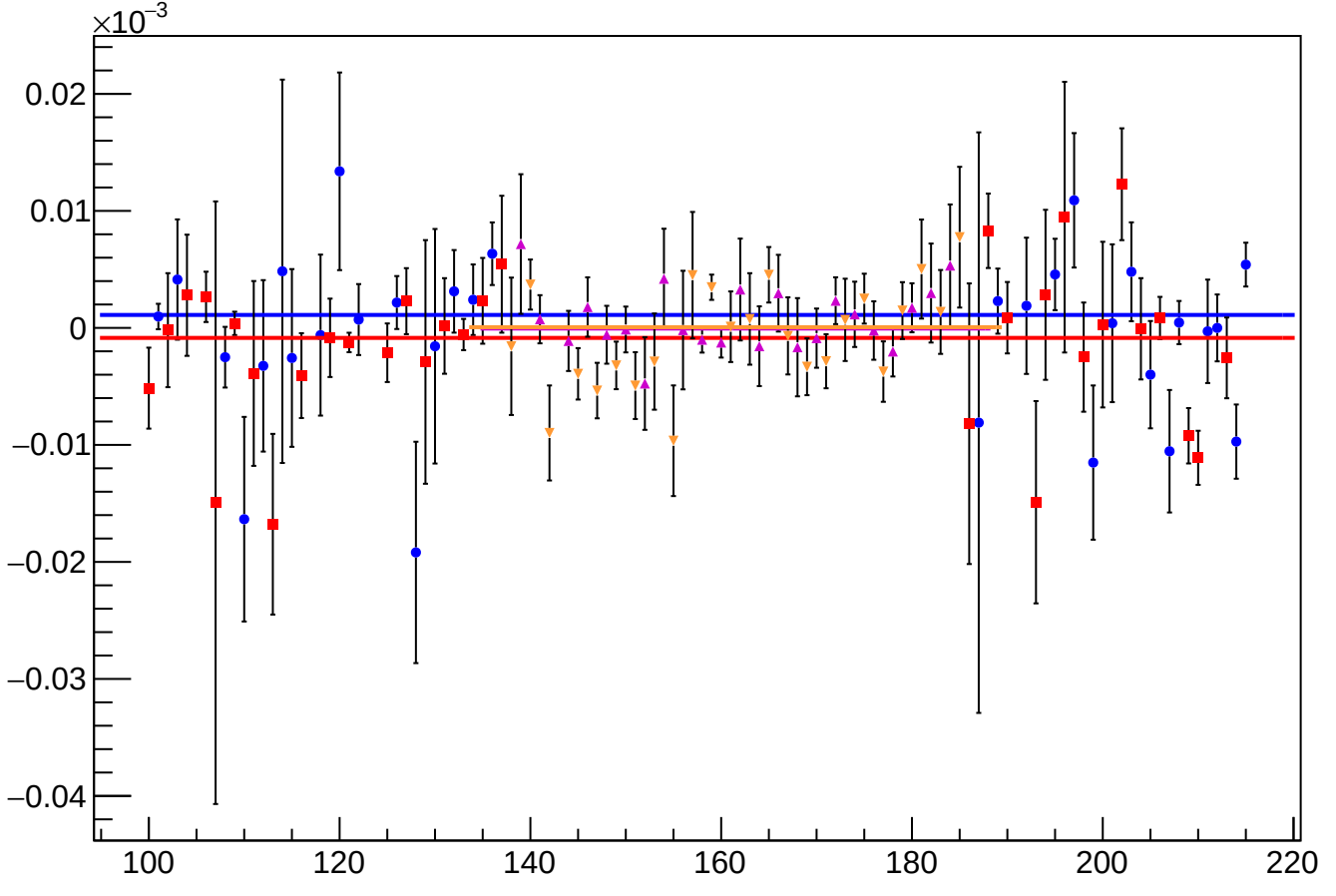
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.283+/-0.005 χ^2/NDF: 1544517.0/62

In: 41.469+/-0.005 χ^2/NDF:1976579.7/53

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

All: 41.660+/-0.004 χ^2/NDF: 4816580.8/109



Right In: 0.000+/-0.000 χ^2/NDF: 50.8/30

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

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

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

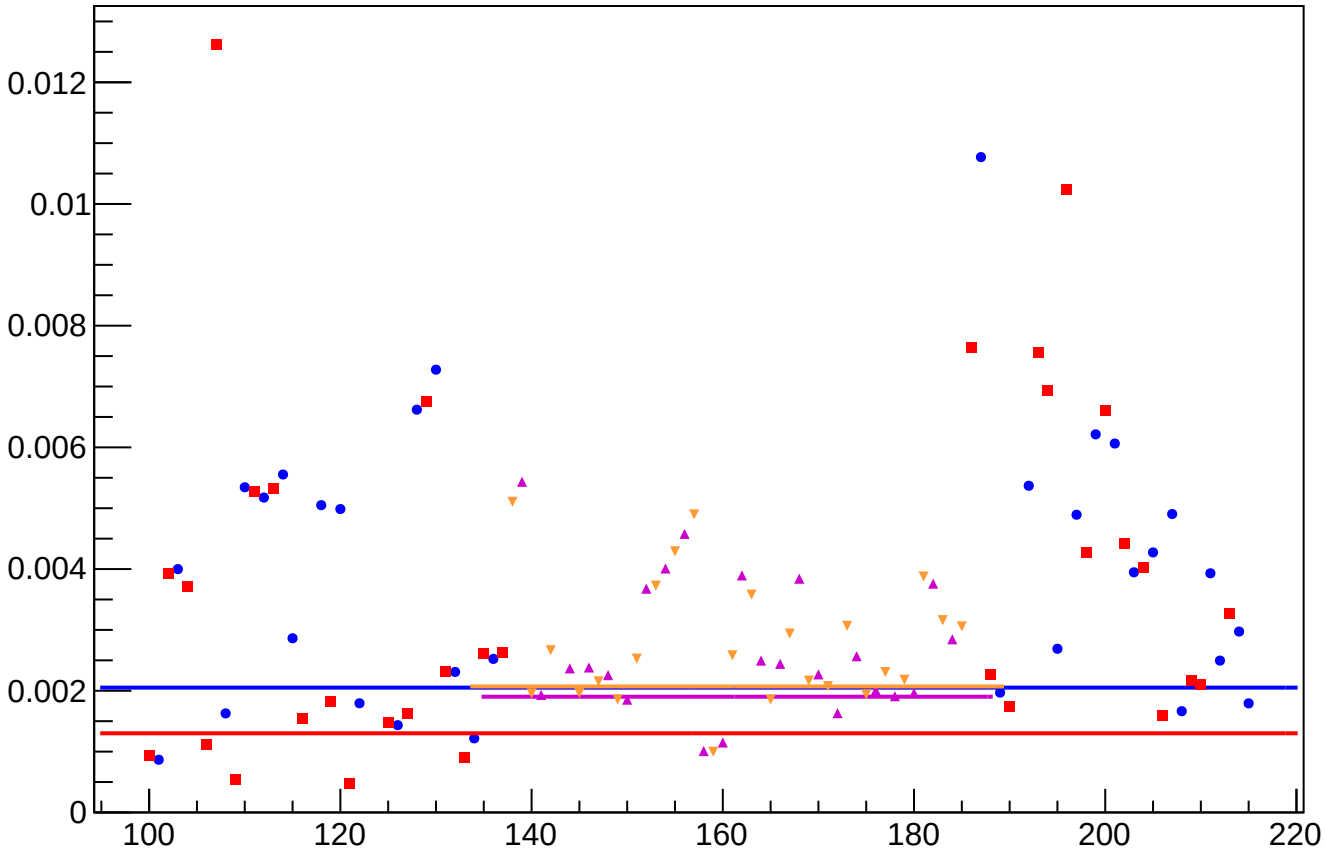
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: -0.000+/-0.000 χ^2/NDF: 127.5/62

In: 0.000+/-0.000 χ^2/NDF:66.2/53

Out: -0.000+/-0.000 χ^2/NDF:122.7/55

All: -0.000+/-0.000 χ^2/NDF: 192.3/109



Right In: 0.002+/-0.000 χ^2/NDF: 10654750.4/30

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

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

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

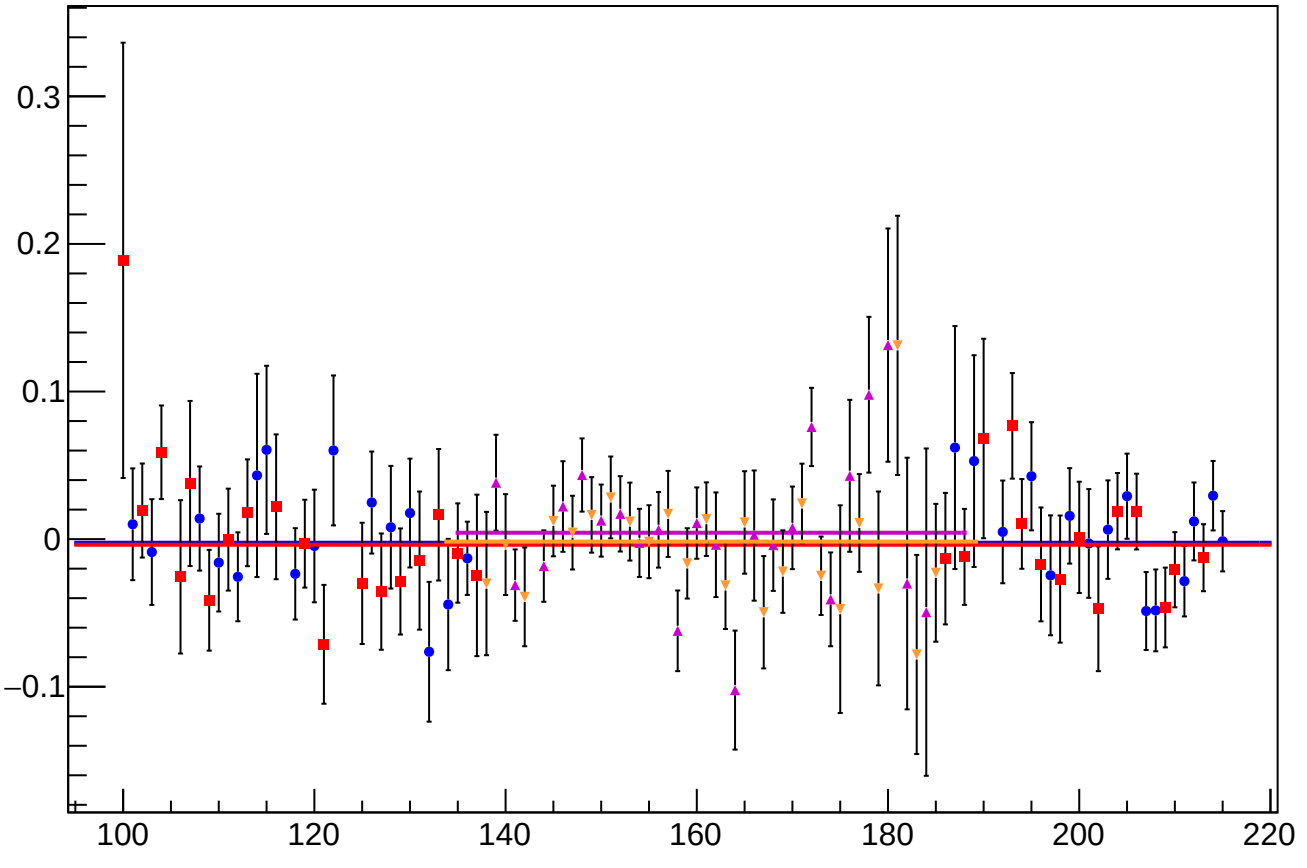
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 28804929.5/62

In: 0.002+/-0.000 χ^2/NDF:16669557.8/53

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

All: 0.002+/-0.000 χ^2/NDF: 41398529.7/109



Right In: -0.002+/-0.006 χ^2/NDF: 23.0/30

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

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

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

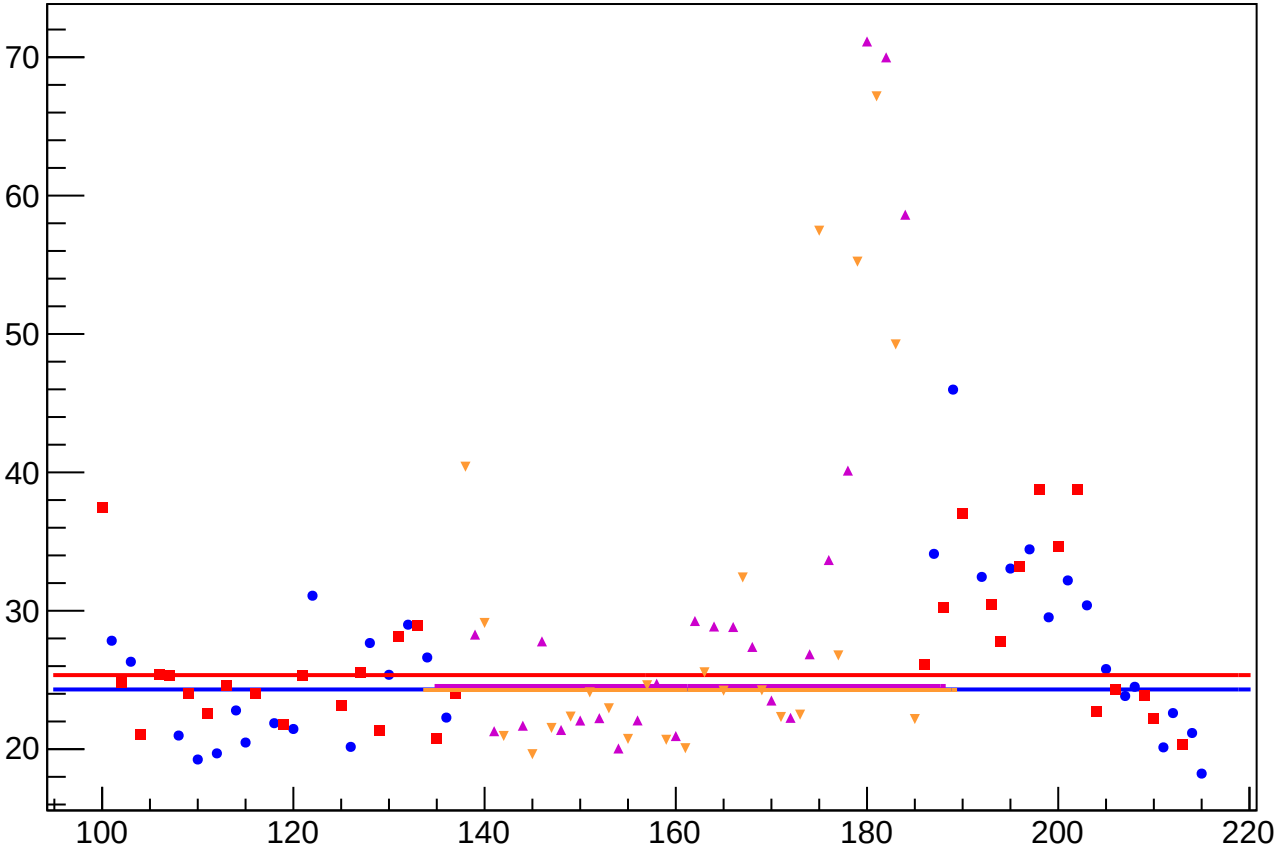
Right: -0.003+/-0.004 χ^2/NDF: 49.1/62

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

All: -0.001+/-0.003 χ^2/NDF: 101.2/109

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.314+/-0.004 χ^2/NDF: 1343250.7/30

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

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

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

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

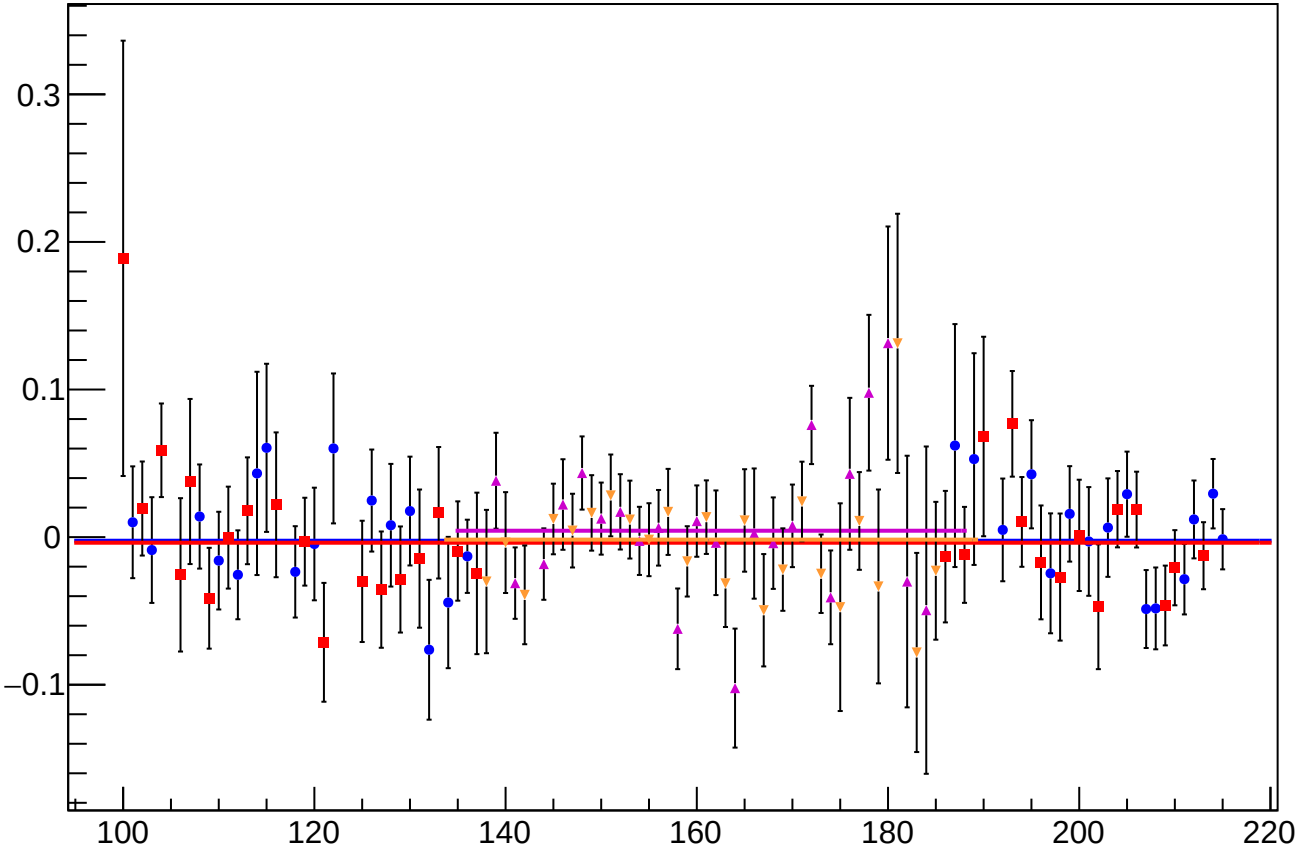
Right: 24.806+/-0.003 χ^2/NDF: 2475419.9/62

In: 24.431+/-0.003 χ^2/NDF:3477682.0/53

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

All: 24.620+/-0.002 χ^2/NDF: 6928672.3/109

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.006 χ^2/NDF: 23.0/30

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

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

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

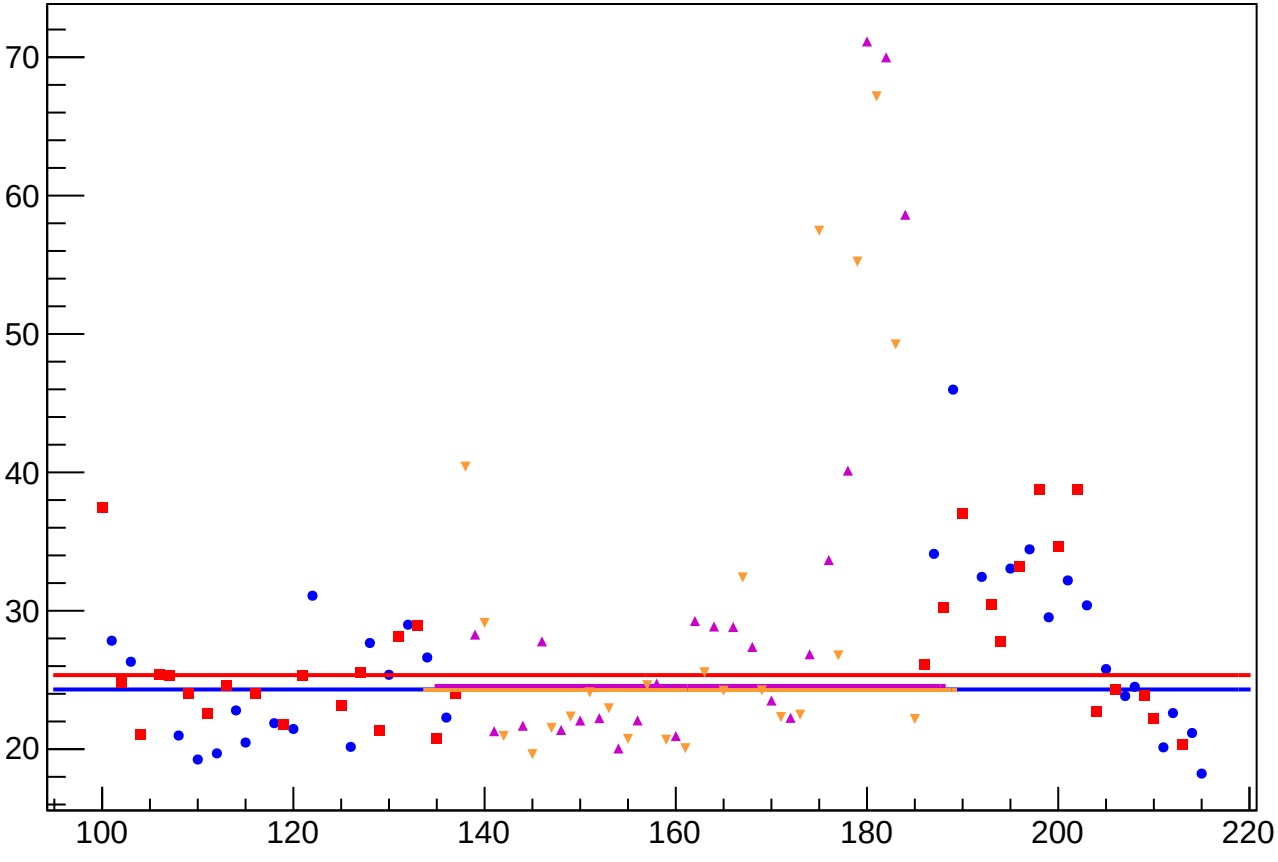
Right: -0.003+/-0.004 χ^2/NDF: 49.1/62

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.003+/-0.004 χ^2/NDF:40.8/55

All: -0.001+/-0.003 χ^2/NDF: 101.2/109

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.314+/-0.004 χ^2/NDF: 1343250.7/30

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

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

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

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

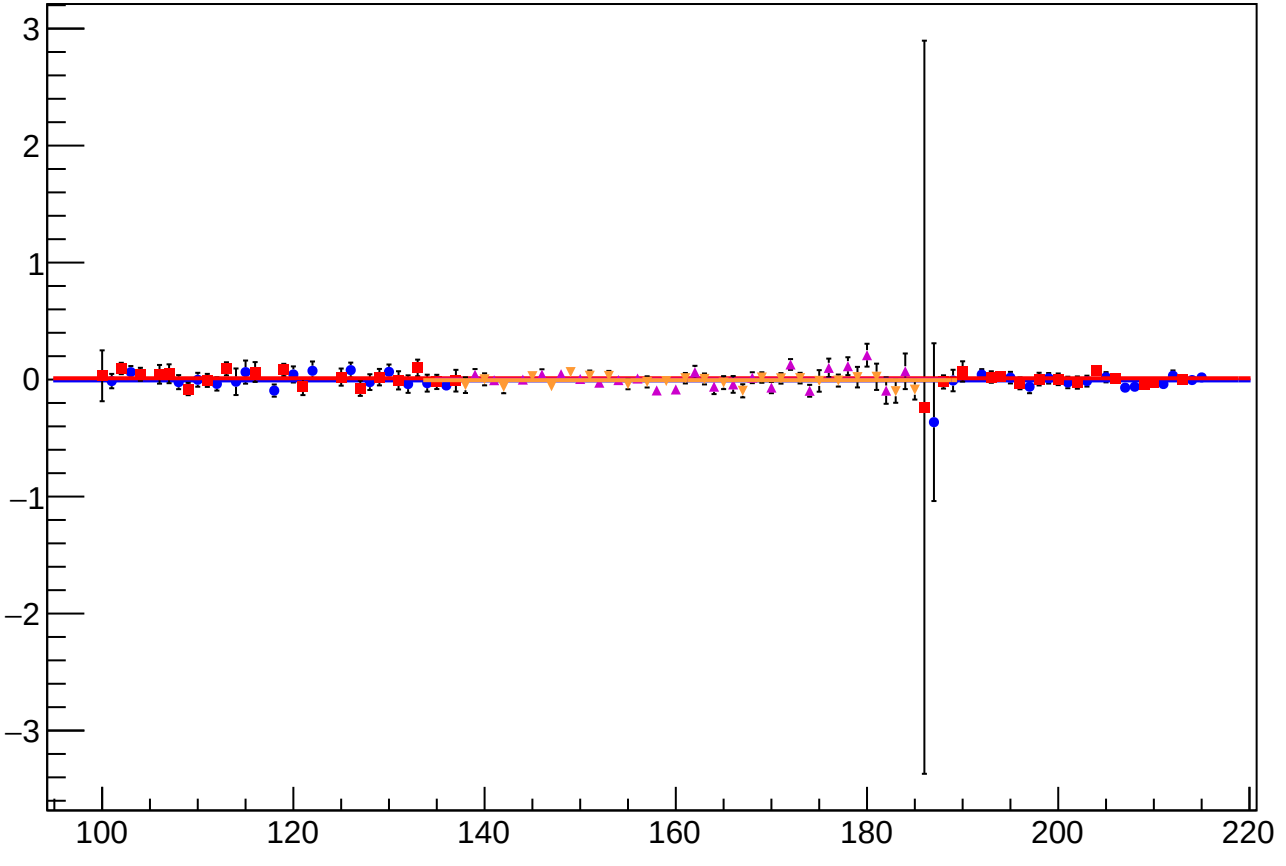
Right: 24.806+/-0.003 χ^2/NDF: 2475419.9/62

In: 24.431+/-0.003 χ^2/NDF:3477682.0/53

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

All: 24.620+/-0.002 χ^2/NDF: 6928672.3/109

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.010 χ^2/NDF: 20.6/30

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

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

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

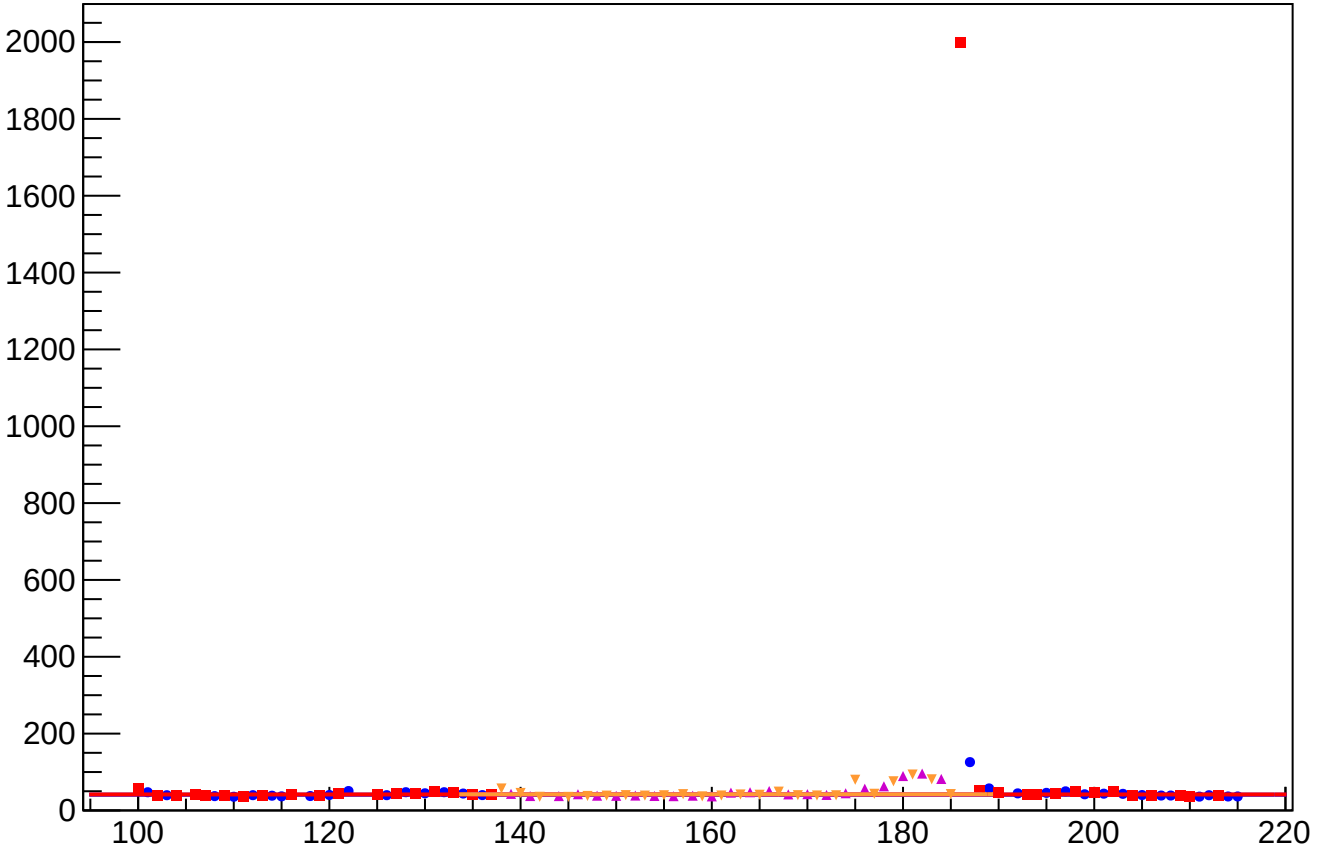
Right: 0.002+/-0.007 χ^2/NDF: 45.4/62

In: -0.004+/-0.007 χ^2/NDF:58.8/53

Out: 0.003+/-0.007 χ^2/NDF:38.2/55

All: -0.000+/-0.005 χ^2/NDF: 97.5/109

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.947+/-0.007 χ^2/NDF: 420285.9/30

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

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

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

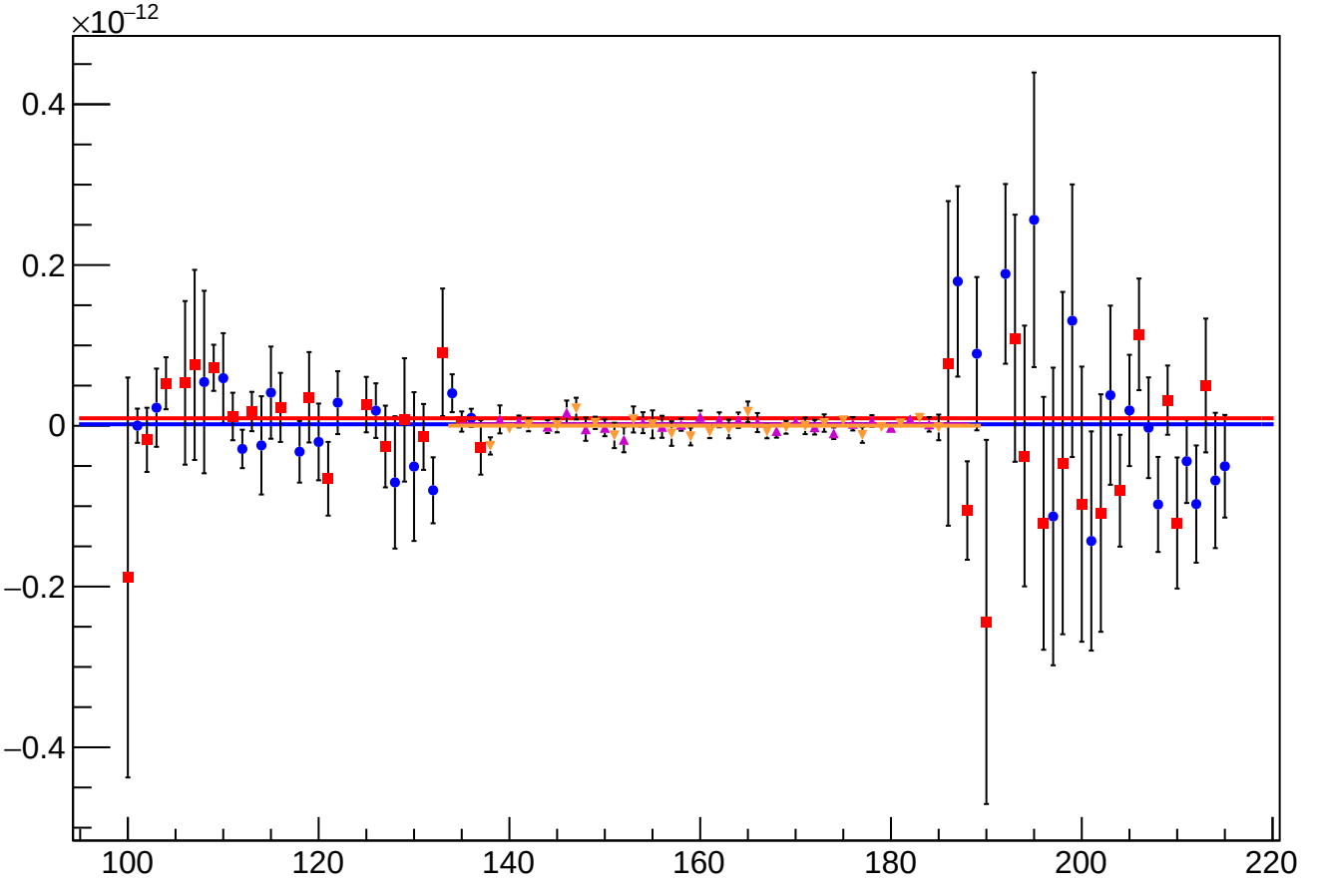
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.283+/-0.005 χ^2/NDF: 1544450.5/62

In: 41.469+/-0.005 χ^2/NDF:1976502.7/53

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

All: 41.660+/-0.004 χ^2/NDF: 4816482.4/109



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/30

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

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

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

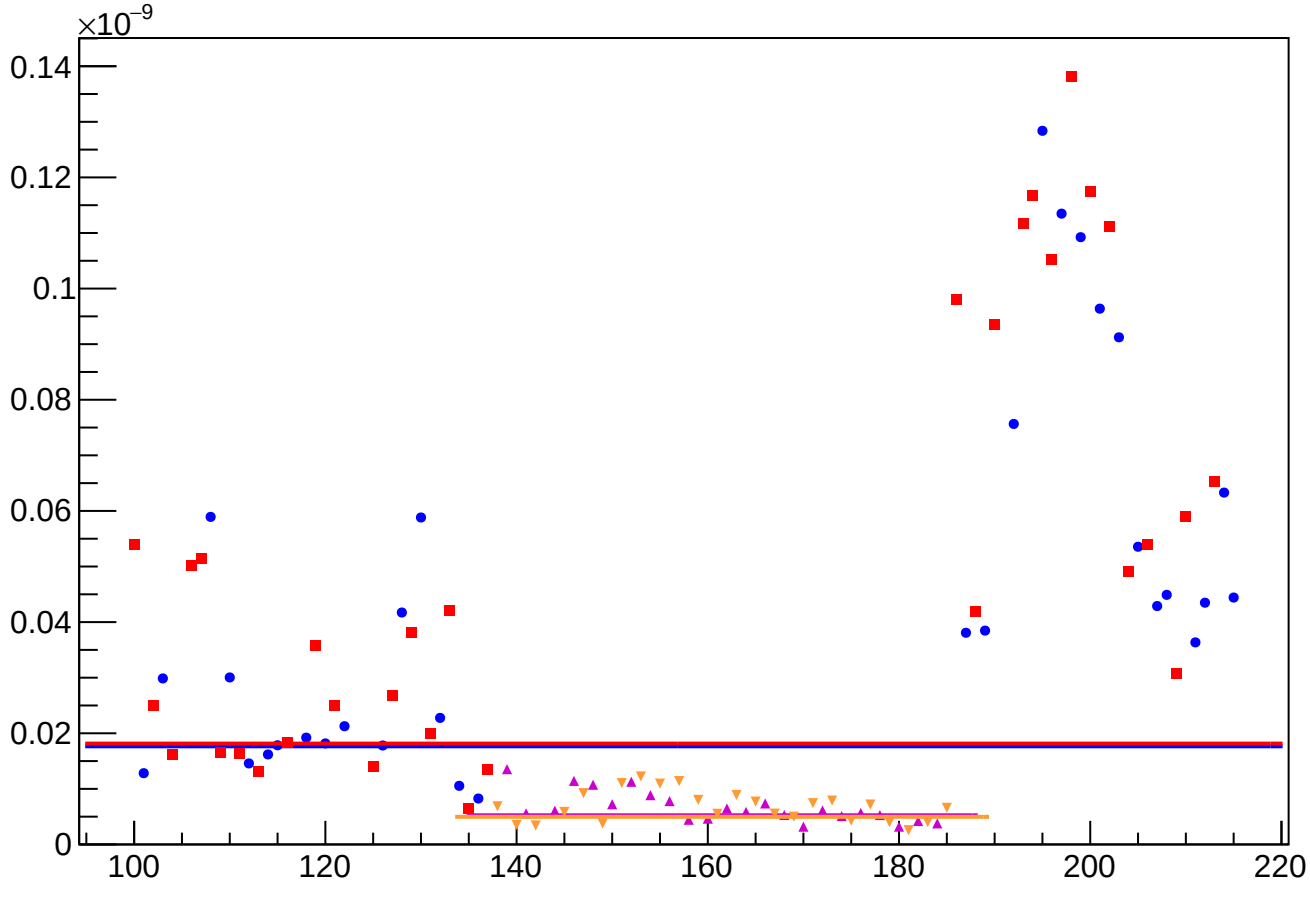
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 60.1/62

In: 0.000+/-0.000 χ^2/NDF:42.4/53

Out: 0.000+/-0.000 χ^2/NDF:51.5/55

All: 0.000+/-0.000 χ^2/NDF: 94.2/109



Right In: 0.000+/-0.000 χ^2/NDF: 9605878.8/30

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

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

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

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

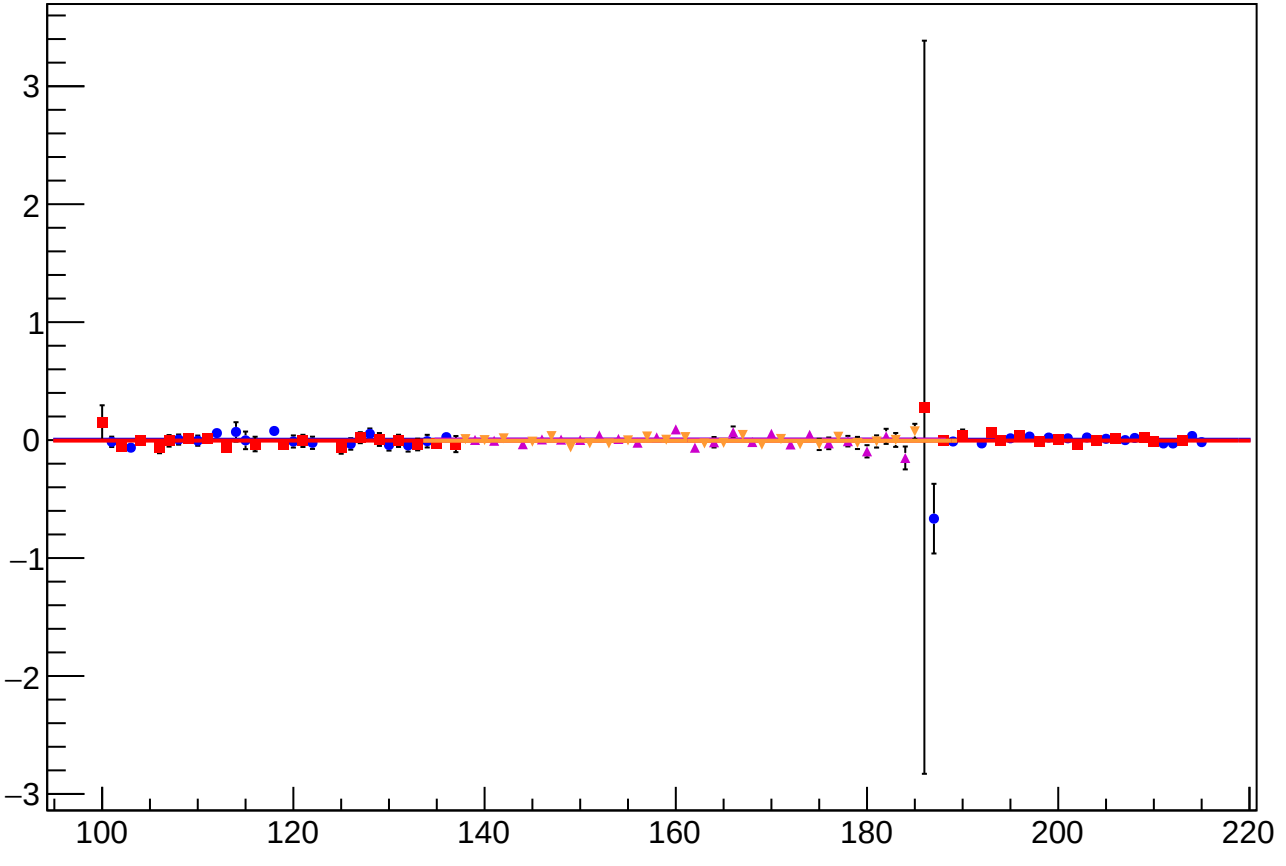
Right: 0.000+/-0.000 χ^2/NDF: 19861331.2/62

In: 0.000+/-0.000 χ^2/NDF:18183642.0/53

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

All: 0.000+/-0.000 χ^2/NDF: 38048936.3/109

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.006 χ^2/NDF: 28.6/30

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

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

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

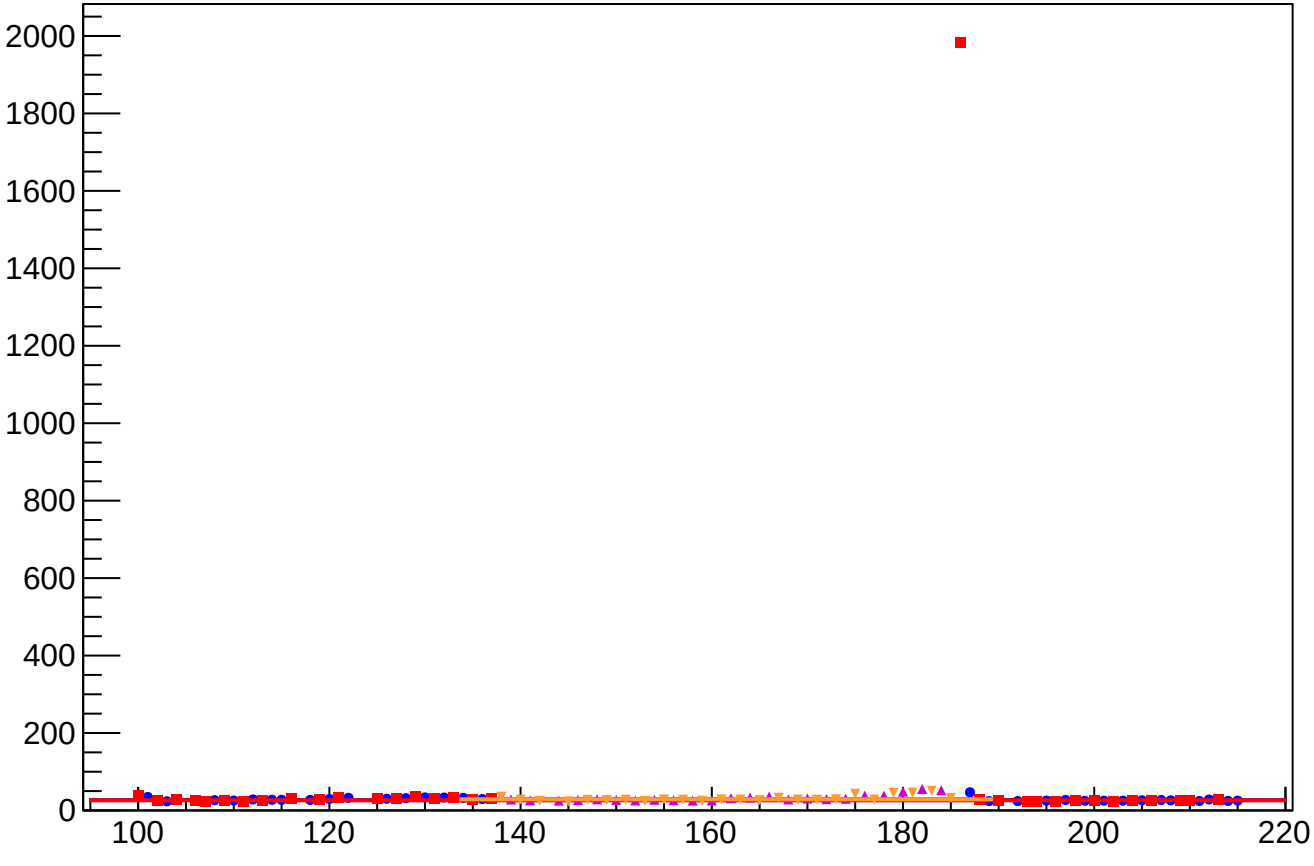
Right: -0.001+/-0.005 χ^2/NDF: 52.7/62

In: 0.003+/-0.005 χ^2/NDF:59.8/53

Out: -0.005+/-0.005 χ^2/NDF:40.3/55

All: -0.001+/-0.003 χ^2/NDF: 101.5/109

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.694+/-0.004 χ^2/NDF: 367580.0/30

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

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

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

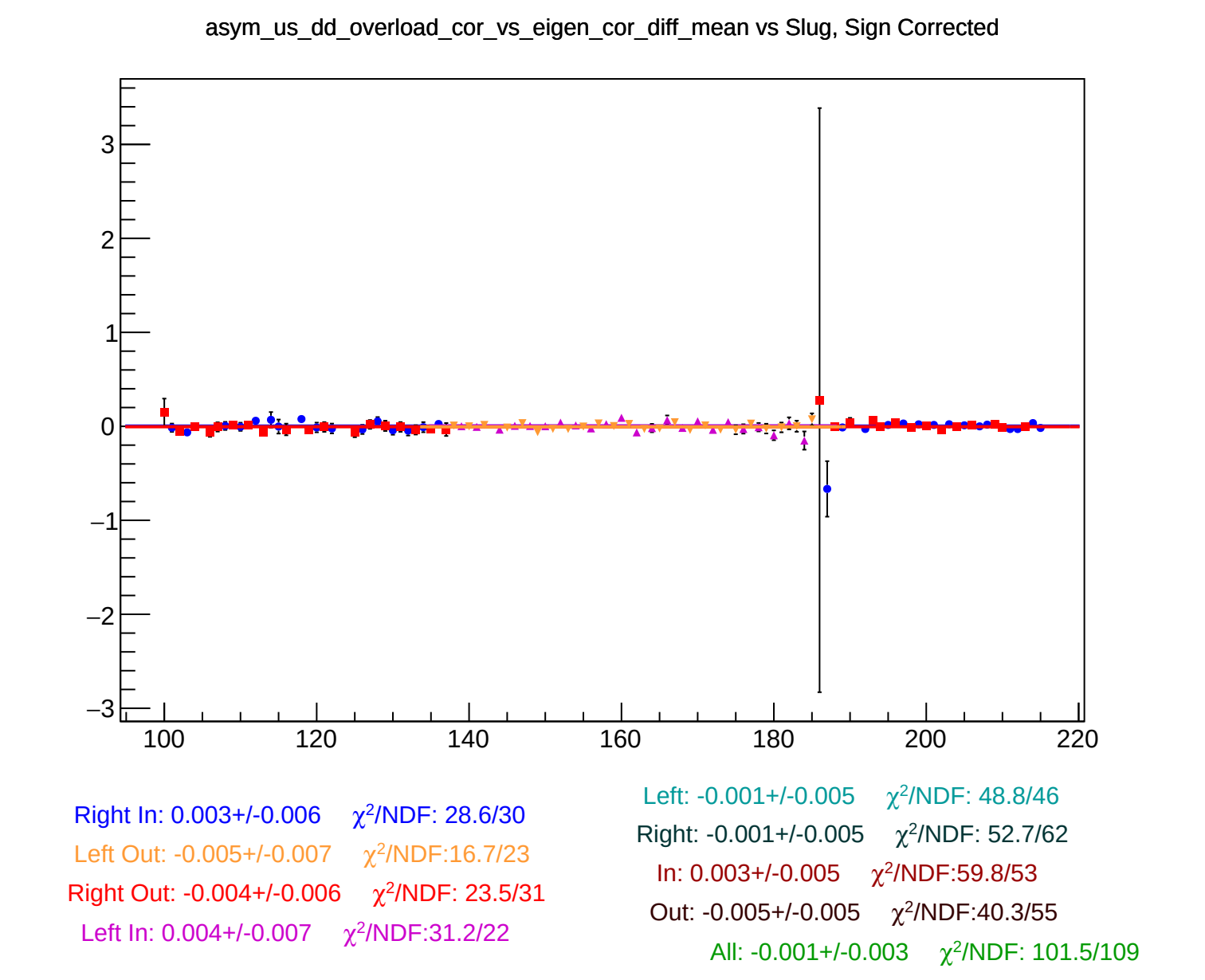
Left: 29.014+/-0.004 χ^2/NDF: 2315363.1/46

Right: 26.548+/-0.003 χ^2/NDF: 1485980.6/62

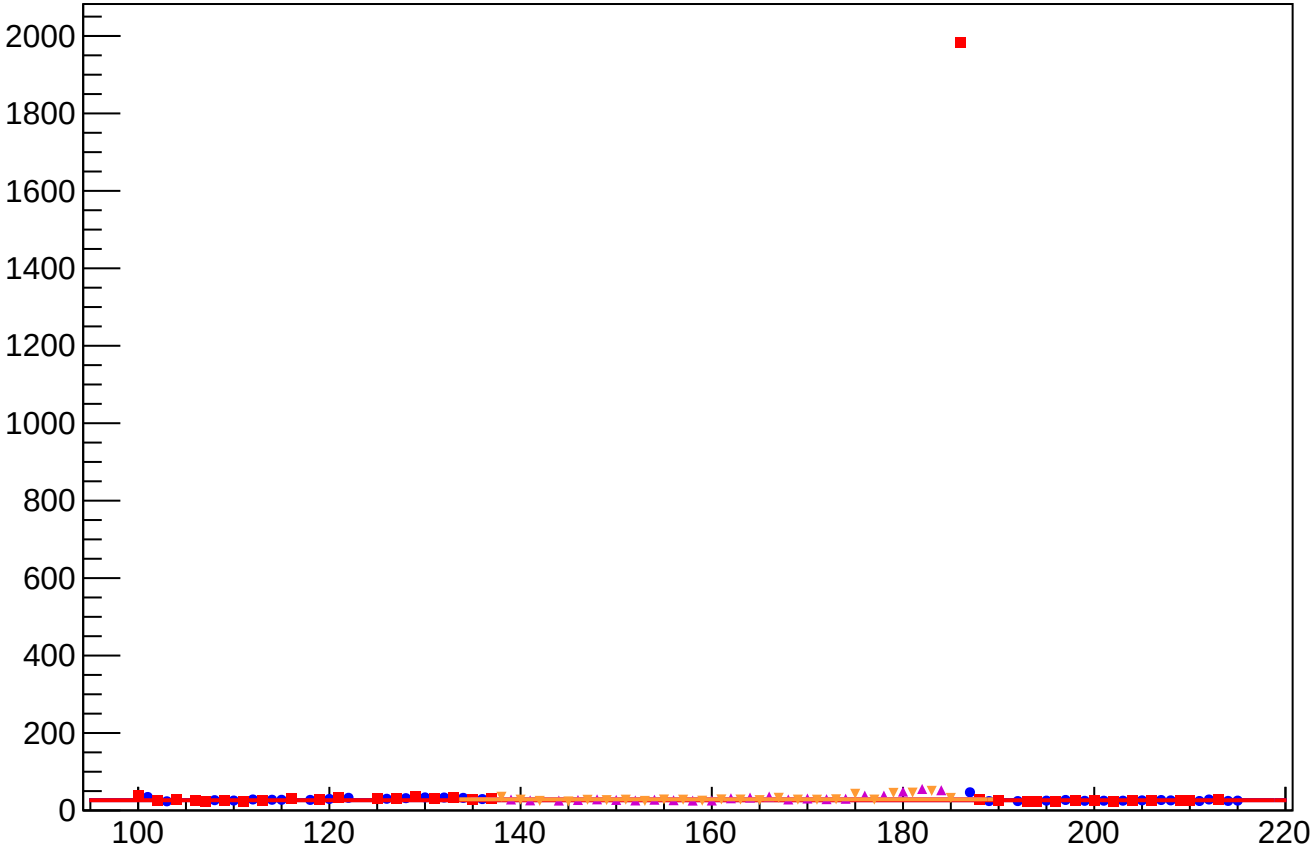
In: 27.820+/-0.003 χ^2/NDF:1650420.7/53

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

All: 27.653+/-0.002 χ^2/NDF: 4066241.5/109


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.003+/-0.006 χ²/NDF: 28.6/30
Left Out: -0.005+/-0.007 χ²/NDF:16.7/23
Right Out: -0.004+/-0.006 χ²/NDF: 23.5/31
Left In: 0.004+/-0.007 χ²/NDF:31.2/22
Left: -0.001+/-0.005 χ²/NDF: 48.8/46
Right: -0.001+/-0.005 χ²/NDF: 52.7/62
In: 0.003+/-0.005 χ²/NDF:59.8/53
Out: -0.005+/-0.005 χ²/NDF:40.3/55
All: -0.001+/-0.003 χ²/NDF: 101.5/109

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.694+/-0.004 χ^2/NDF: 367580.0/30

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

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

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

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

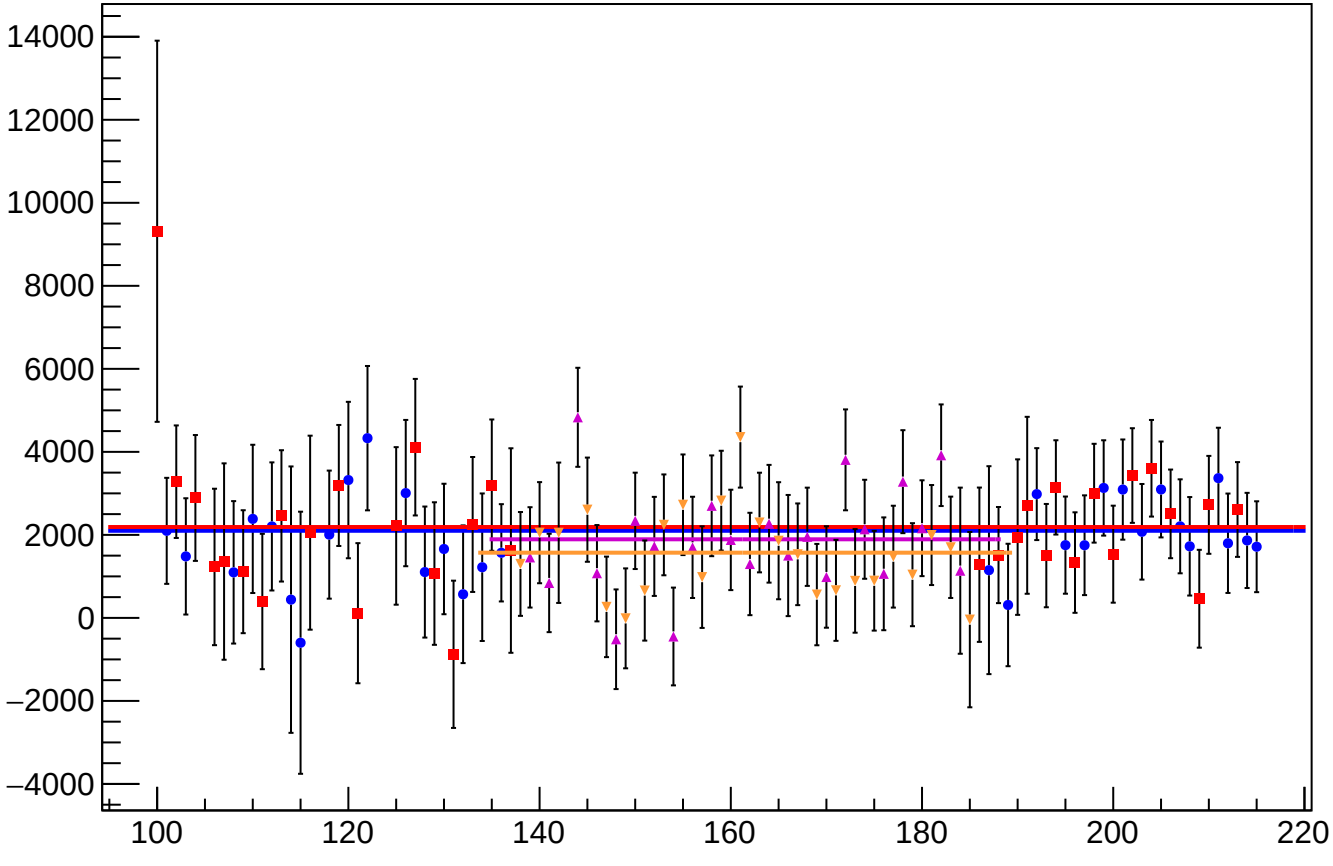
Right: 26.548+/-0.003 χ^2/NDF: 1485980.6/62

In: 27.820+/-0.003 χ^2/NDF:1650420.7/53

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

All: 27.653+/-0.002 χ^2/NDF: 4066241.5/109

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2098.965+/-248.217 χ^2/NDF: 11.7/30

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

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

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

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

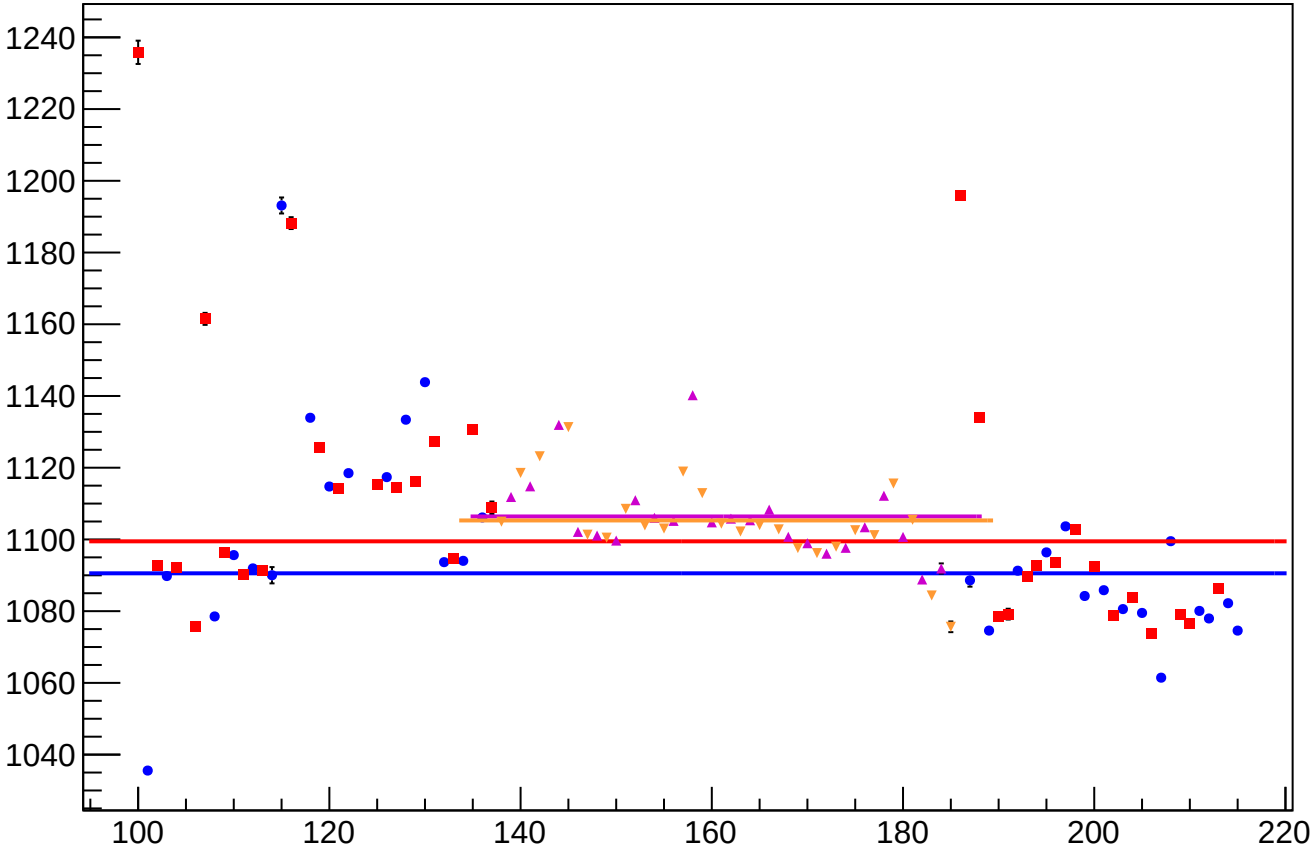
Right: 2143.311+/-177.126 χ^2/NDF: 32.7/63

In: 2000.263+/-178.987 χ^2/NDF:36.2/53

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

All: 1942.822+/-126.946 χ^2/NDF: 75.5/110

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1090.554+/-0.176 χ^2/NDF: 16253.3/30

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

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

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

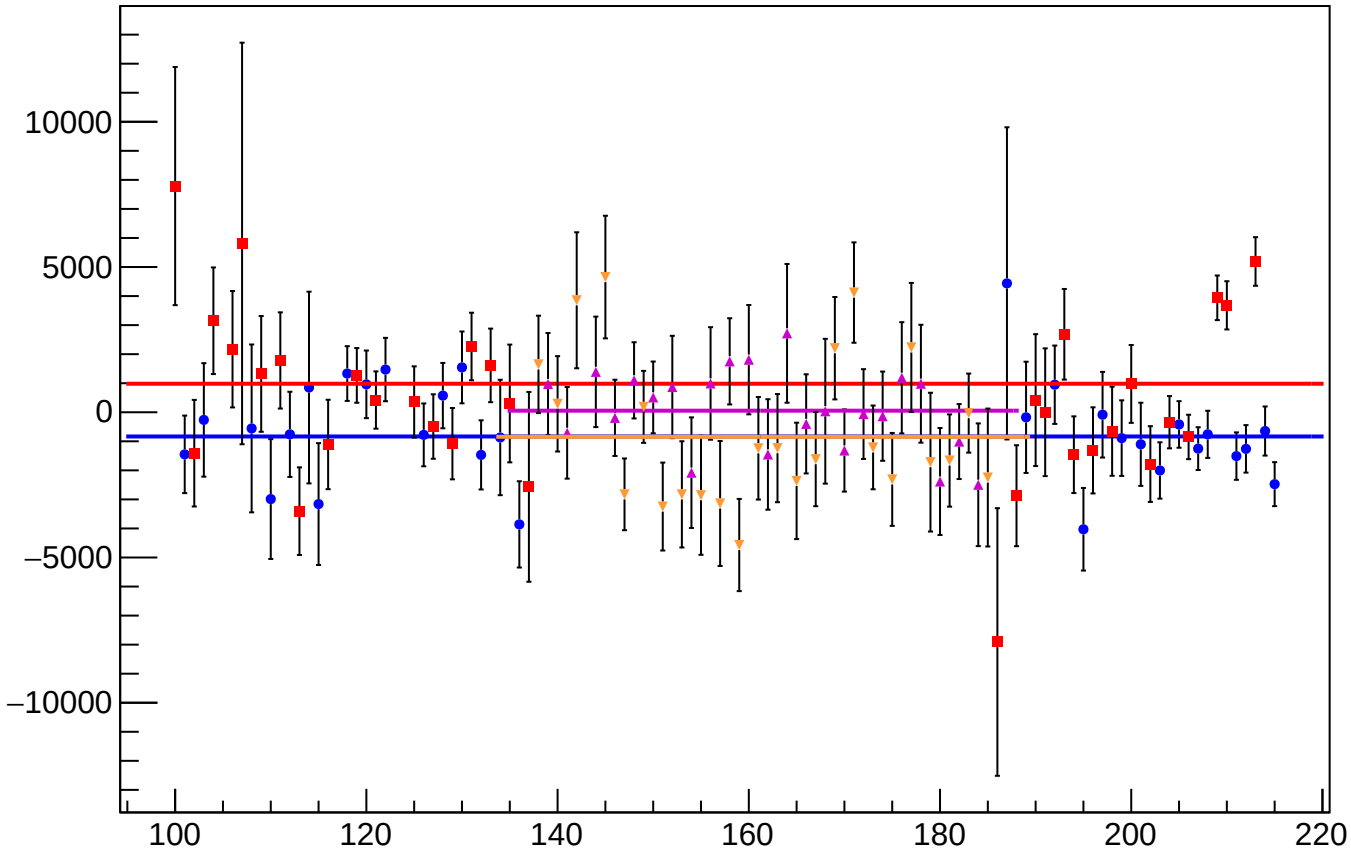
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.931+/-0.125 χ^2/NDF: 38424.0/63

In: 1098.163+/-0.127 χ^2/NDF:23944.8/53

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

All: 1100.239+/-0.090 χ^2/NDF: 49074.2/110



Right In: -833.300+/-206.727 χ^2/NDF: 40.7/30

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

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

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

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

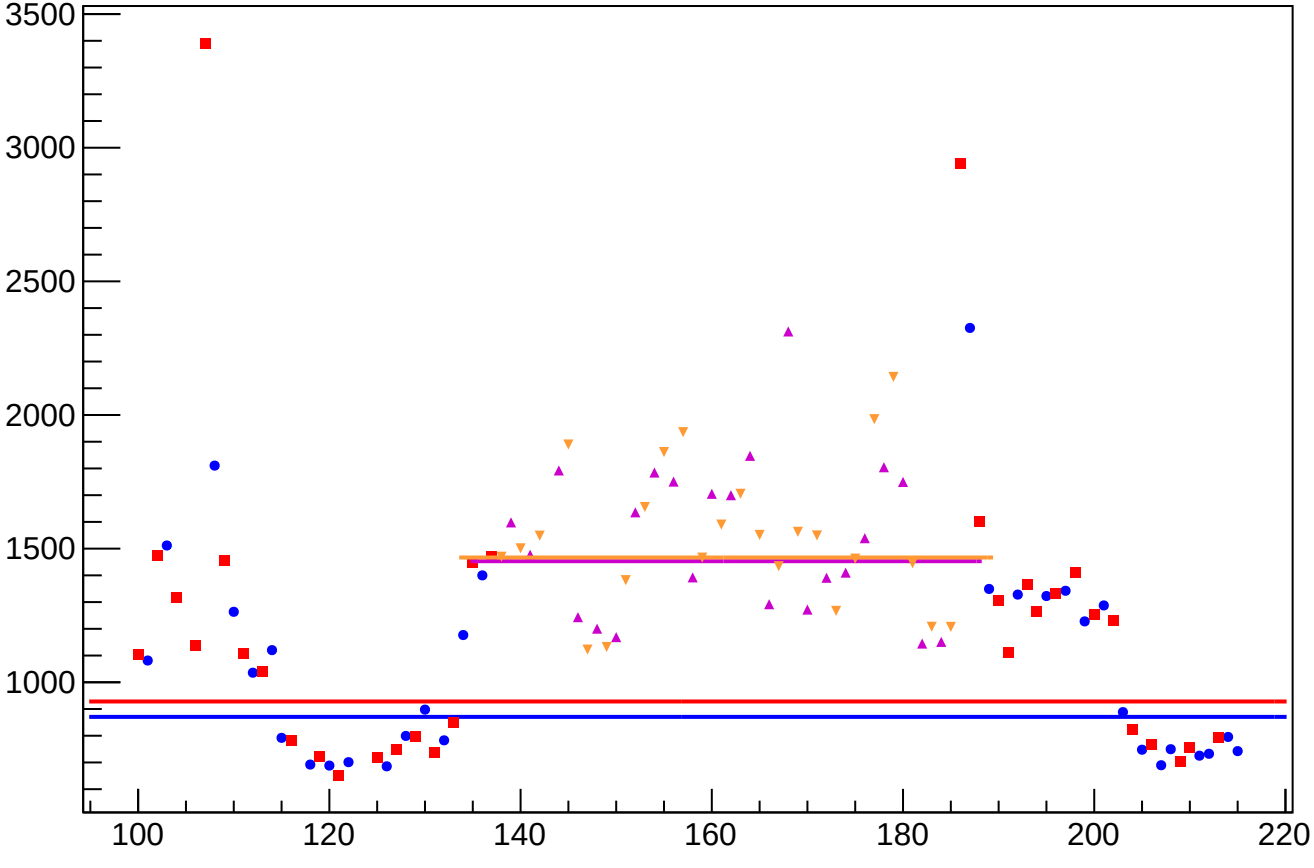
Right: -3.303+/-152.308 χ^2/NDF: 181.4/63

In: -599.750+/-177.459 χ^2/NDF:58.6/53

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

All: -111.951+/-129.368 χ^2/NDF: 243.7/110

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 870.499+/-0.146 χ^2/NDF: 2774370.2/30

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

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

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

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

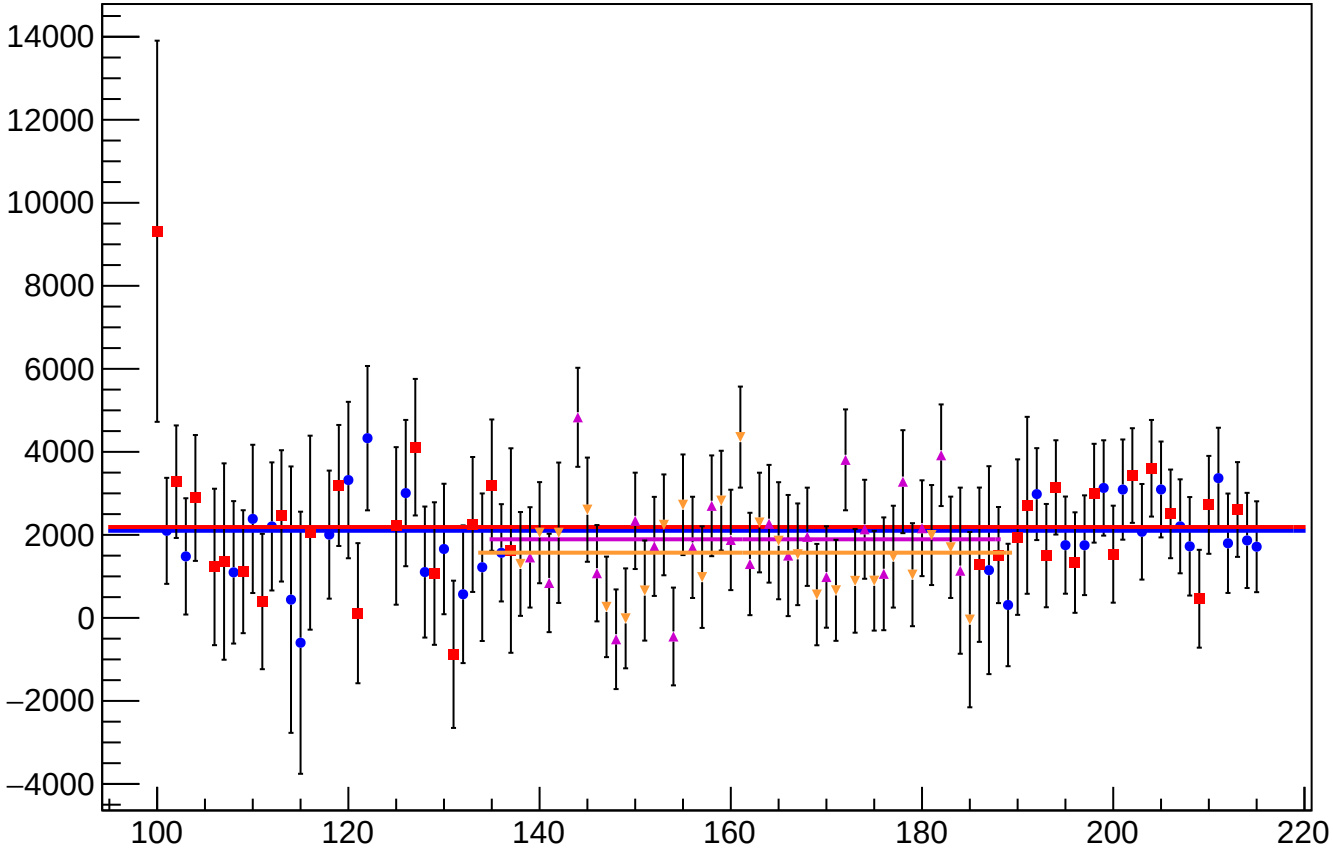
Right: 896.847+/-0.108 χ^2/NDF: 6253860.3/63

In: 1023.757+/-0.125 χ^2/NDF:8081686.1/53

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

All: 1053.679+/-0.091 χ^2/NDF: 16041388.3/1

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2098.965+/-248.217 χ^2/NDF: 11.7/30

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

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

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

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

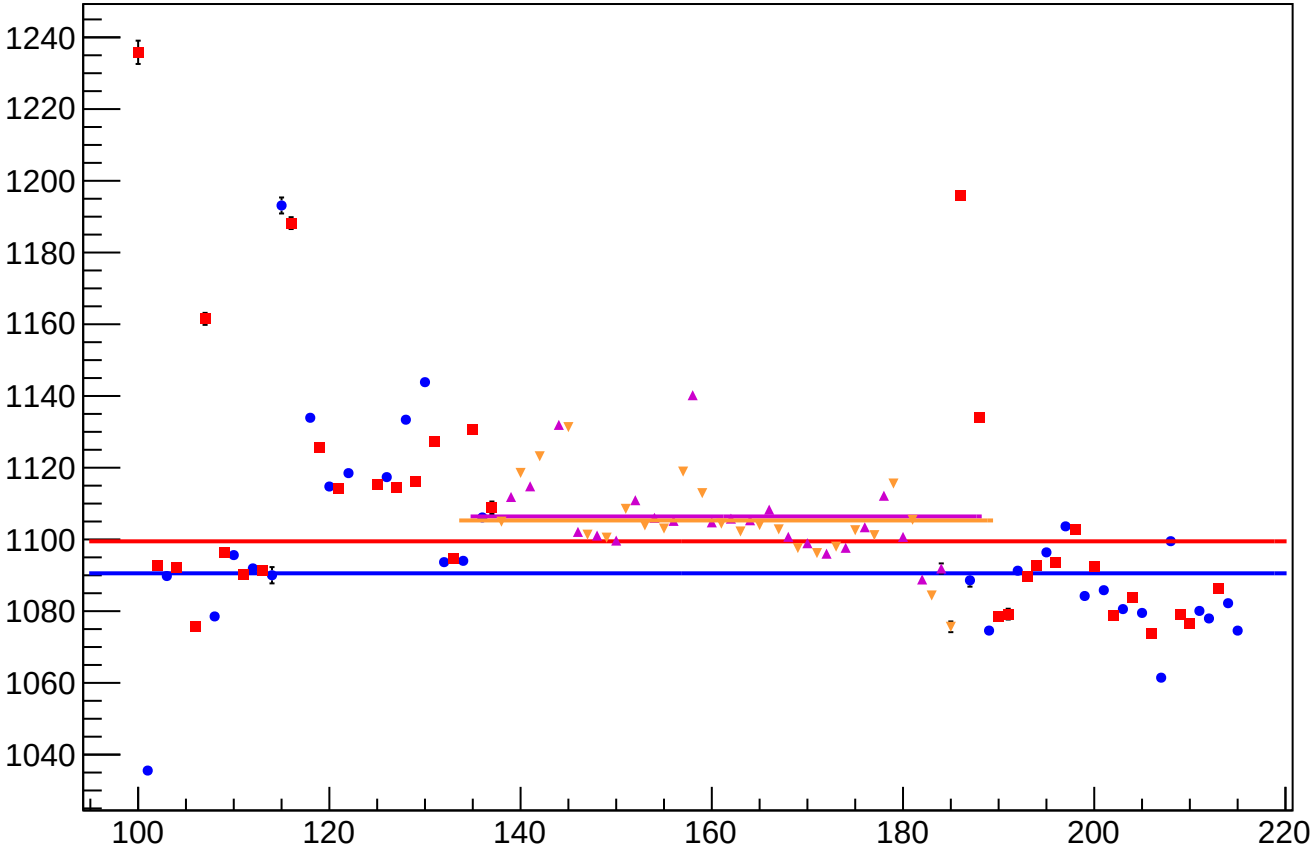
Right: 2143.307+/-177.126 χ^2/NDF: 32.7/63

In: 2000.263+/-178.987 χ^2/NDF:36.2/53

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

All: 1942.820+/-126.946 χ^2/NDF: 75.5/110

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1090.554+/-0.176 χ^2/NDF: 16253.3/30

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

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

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

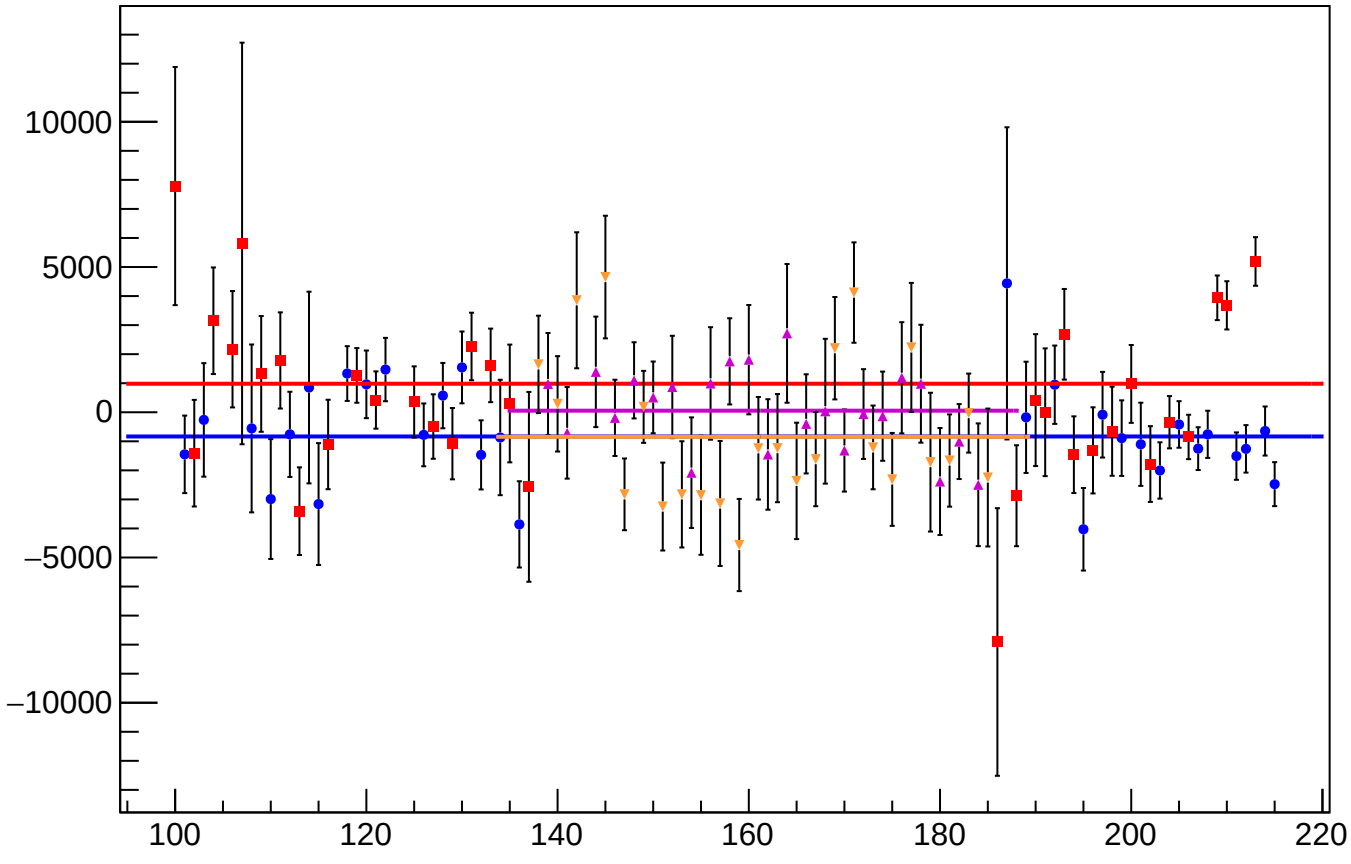
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.931+/-0.125 χ^2/NDF: 38424.0/63

In: 1098.163+/-0.127 χ^2/NDF:23944.8/53

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

All: 1100.239+/-0.090 χ^2/NDF: 49074.2/110



Right In: -833.300+/-206.727 χ^2/NDF: 40.7/30

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

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

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

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

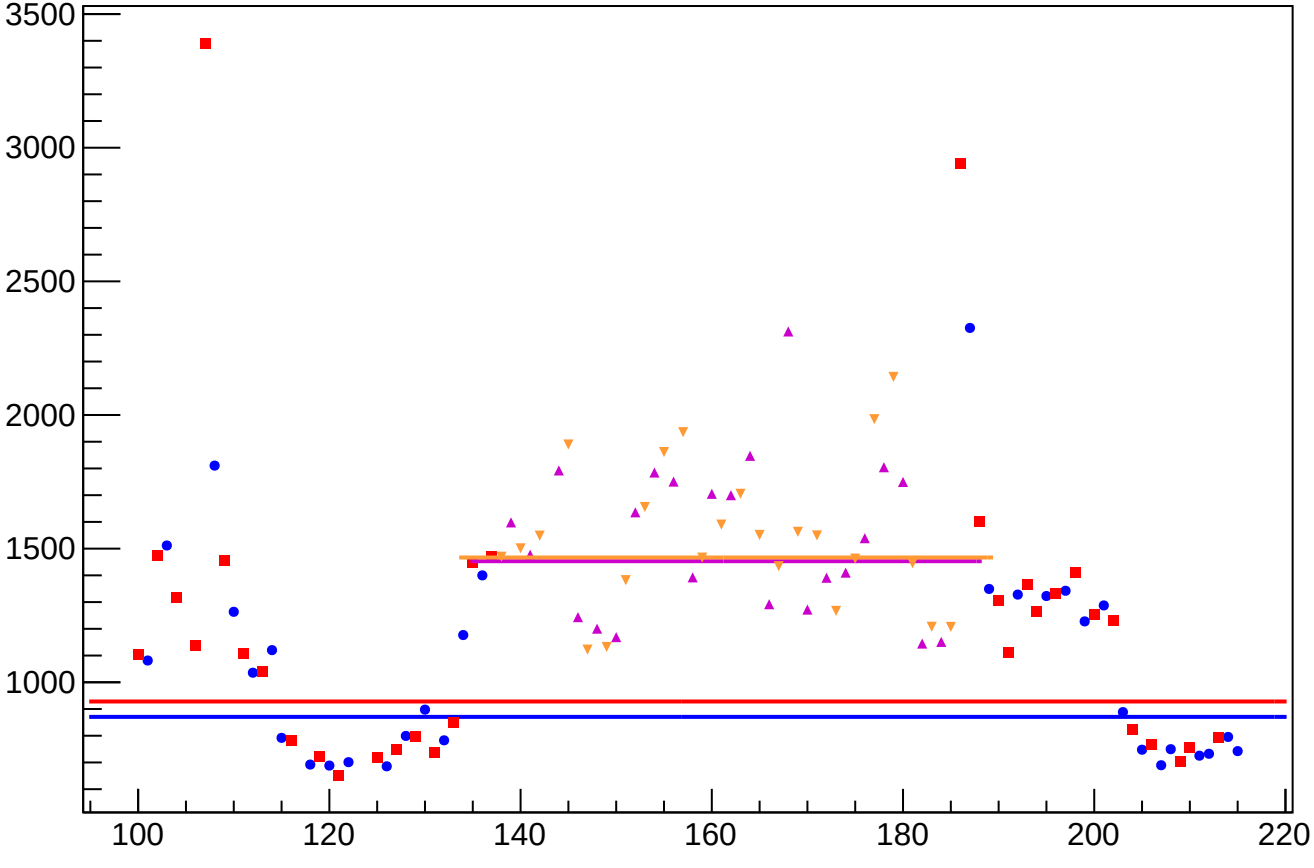
Right: -3.304+/-152.308 χ^2/NDF: 181.4/63

In: -599.750+/-177.459 χ^2/NDF:58.6/53

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

All: -111.951+/-129.368 χ^2/NDF: 243.7/110

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 870.499+/-0.146 χ^2/NDF: 2774370.2/30

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

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

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

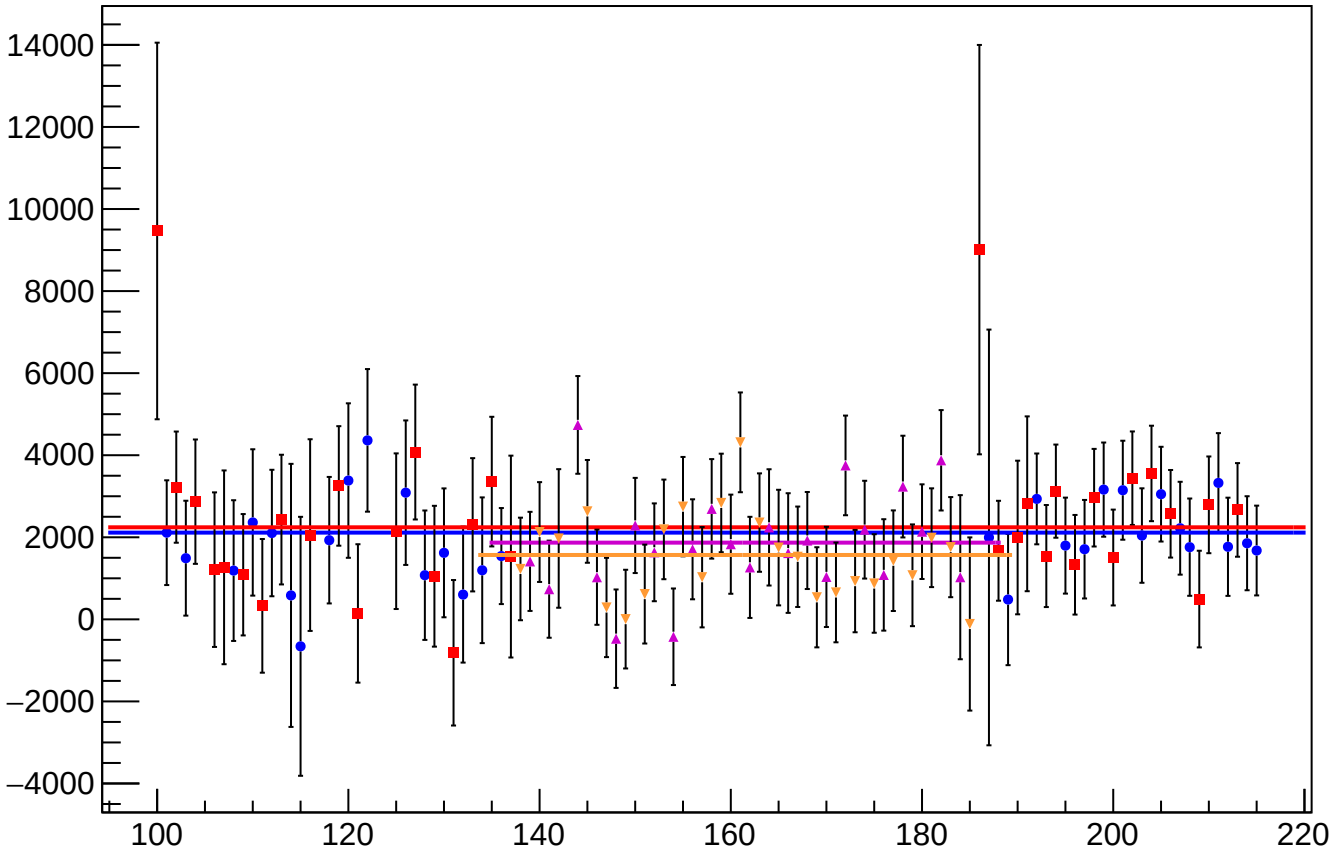
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 896.847+/-0.108 χ^2/NDF: 6253858.4/63

In: 1023.757+/-0.125 χ^2/NDF:8081686.1/53

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

All: 1053.679+/-0.091 χ^2/NDF: 16041387.7/1



Right In: 2113.712+/-249.512 χ^2/NDF: 11.2/30

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

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

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

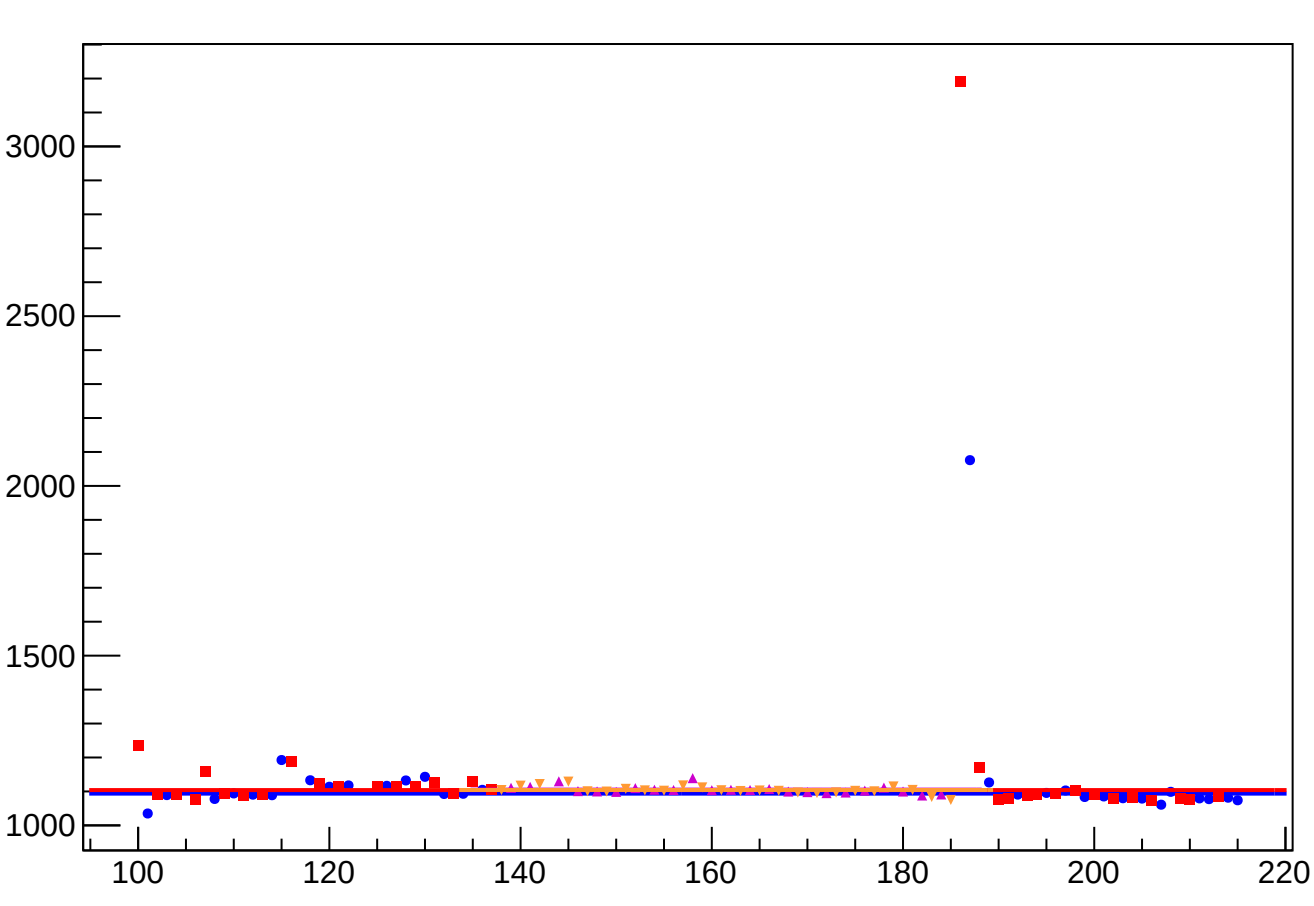
Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

Right: 2176.953+/-178.454 χ^2/NDF: 33.8/63

In: 1995.660+/-179.391 χ^2/NDF:35.1/53

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

All: 1951.823+/-127.374 χ^2/NDF: 76.5/110



Right In: 1093.574+/-0.176 χ^2/NDF: 92243.9/30

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

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

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

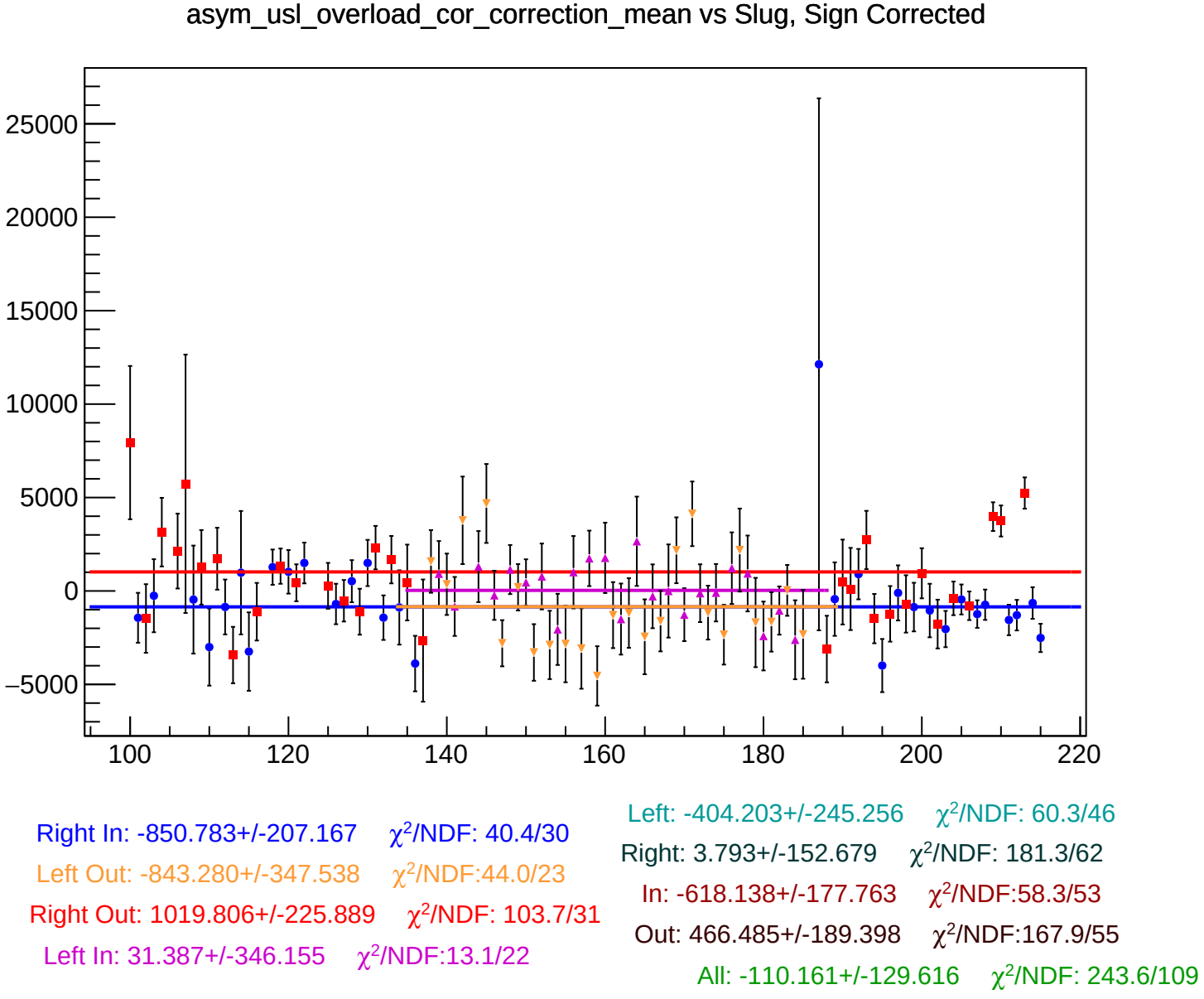
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1098.671+/-0.126 χ^2/NDF: 465404.7/63

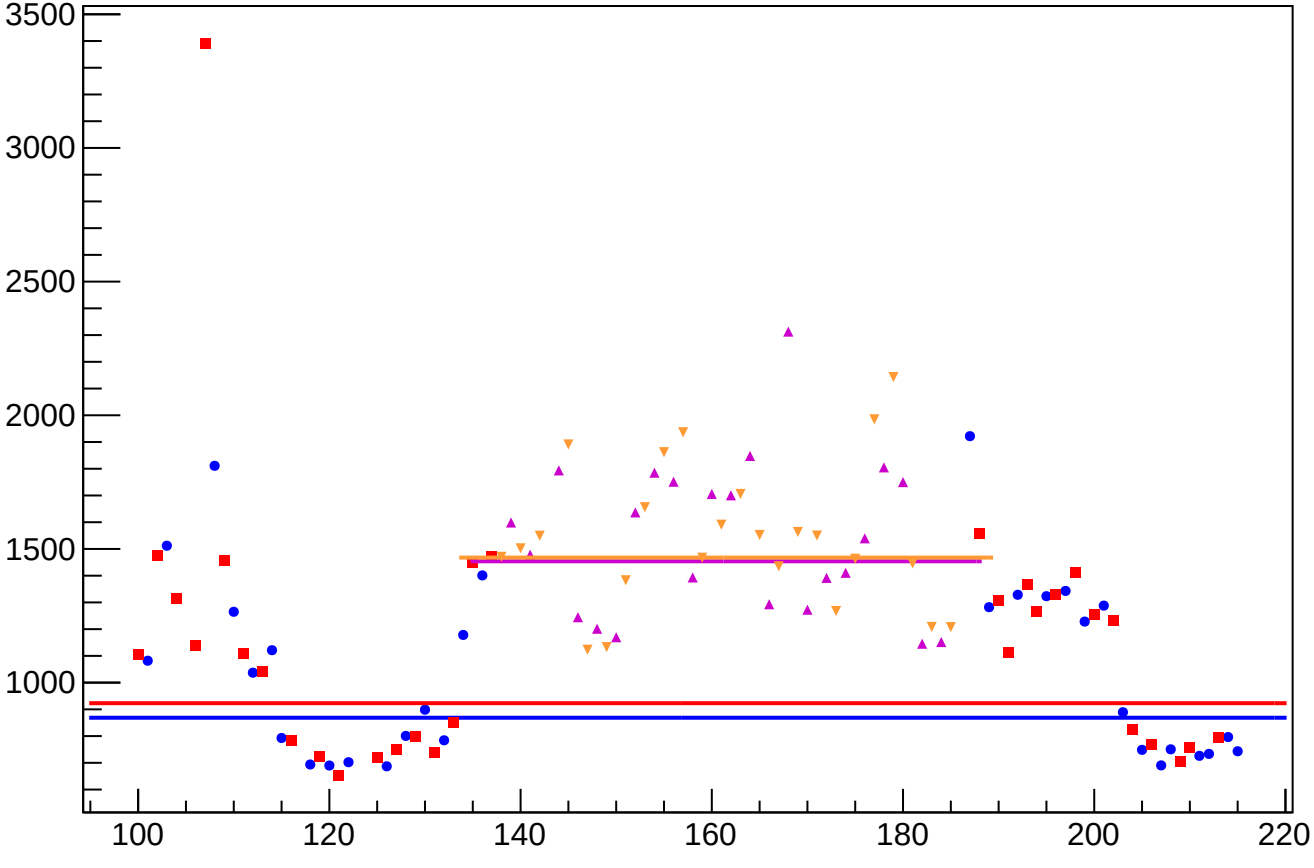
In: 1099.277+/-0.127 χ^2/NDF:98068.3/53

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

All: 1101.685+/-0.090 χ^2/NDF: 473247.2/110


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -850.783+/-207.167 χ²/NDF: 40.4/30
Left Out: -843.280+/-347.538 χ²/NDF:44.0/23
Right Out: 1019.806+/-225.889 χ²/NDF: 103.7/31
Left In: 31.387+/-346.155 χ²/NDF:13.1/22
Left: -404.203+/-245.256 χ²/NDF: 60.3/46
Right: 3.793+/-152.679 χ²/NDF: 181.3/62
In: -618.138+/-177.763 χ²/NDF:58.3/53
Out: 466.485+/-189.398 χ²/NDF:167.9/55
All: -110.161+/-129.616 χ²/NDF: 243.6/109

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 868.646+/-0.146 χ^2/NDF: 2593931.2/30

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

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

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

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

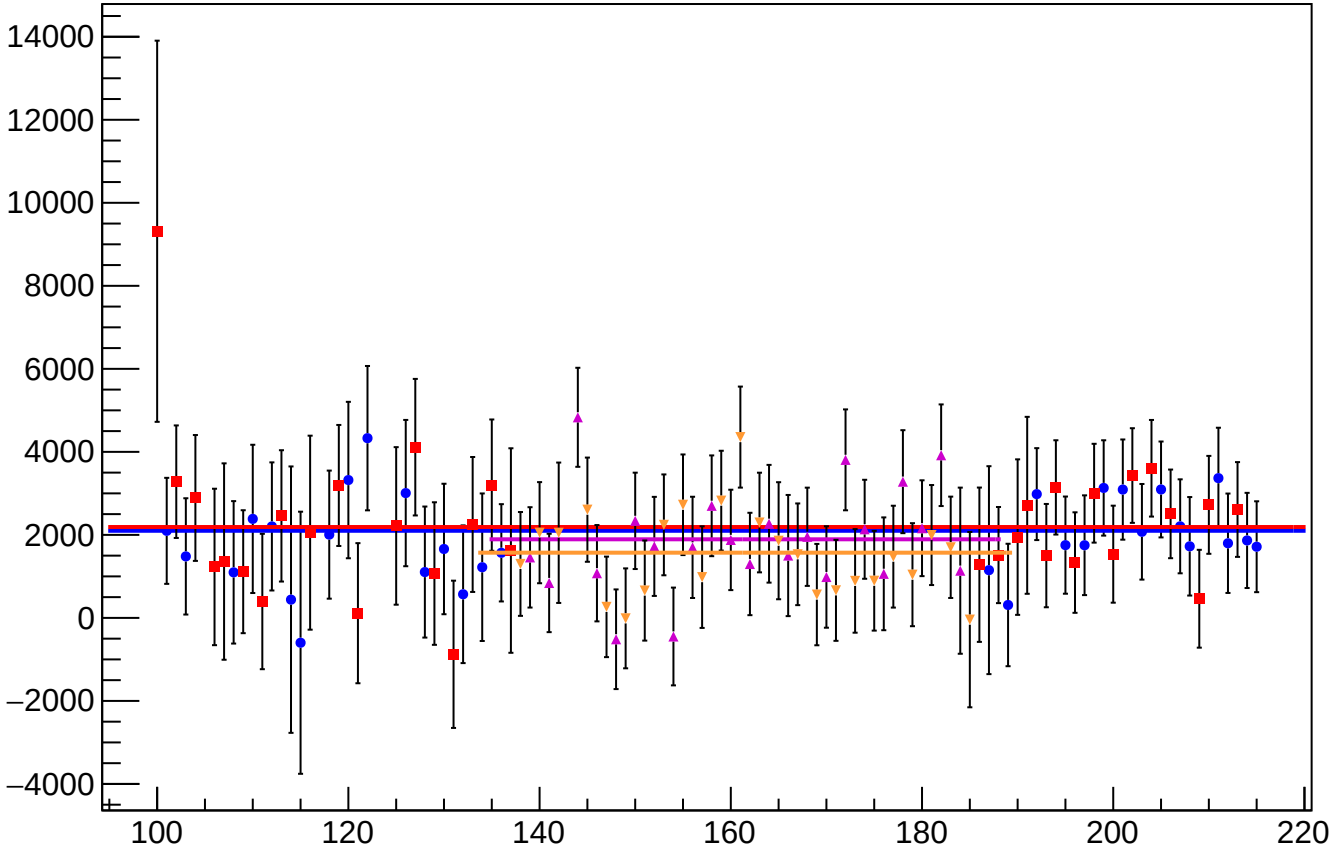
Right: 893.511+/-0.108 χ^2/NDF: 5620431.2/62

In: 1022.971+/-0.126 χ^2/NDF:7930378.4/53

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

All: 1051.939+/-0.092 χ^2/NDF: 15501947.8/1

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2098.965+/-248.217 χ^2/NDF: 11.7/30

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

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

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

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

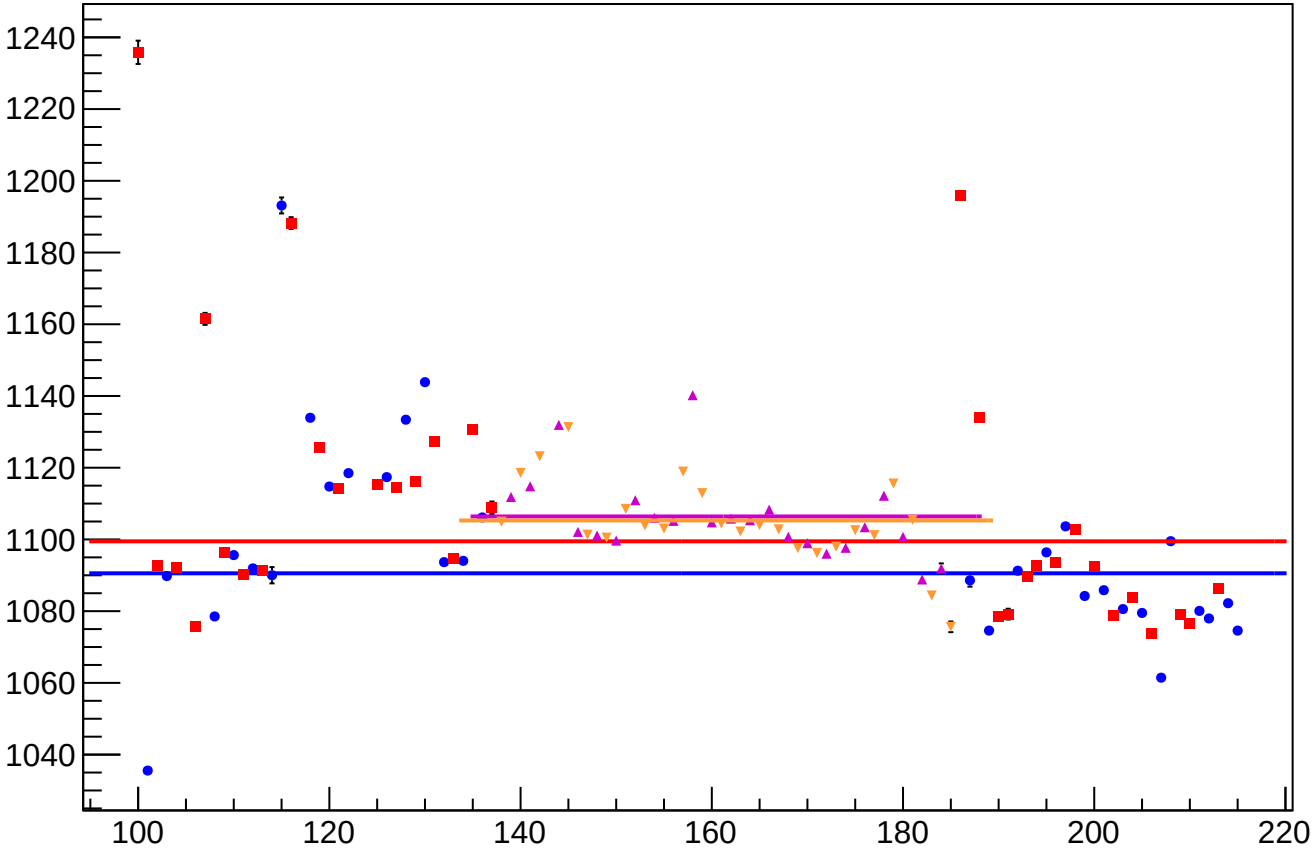
Right: 2143.307+/-177.126 χ^2/NDF: 32.7/63

In: 2000.263+/-178.987 χ^2/NDF:36.2/53

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

All: 1942.820+/-126.946 χ^2/NDF: 75.5/110

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1090.554+/-0.176 χ^2/NDF: 16253.3/30

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

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

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

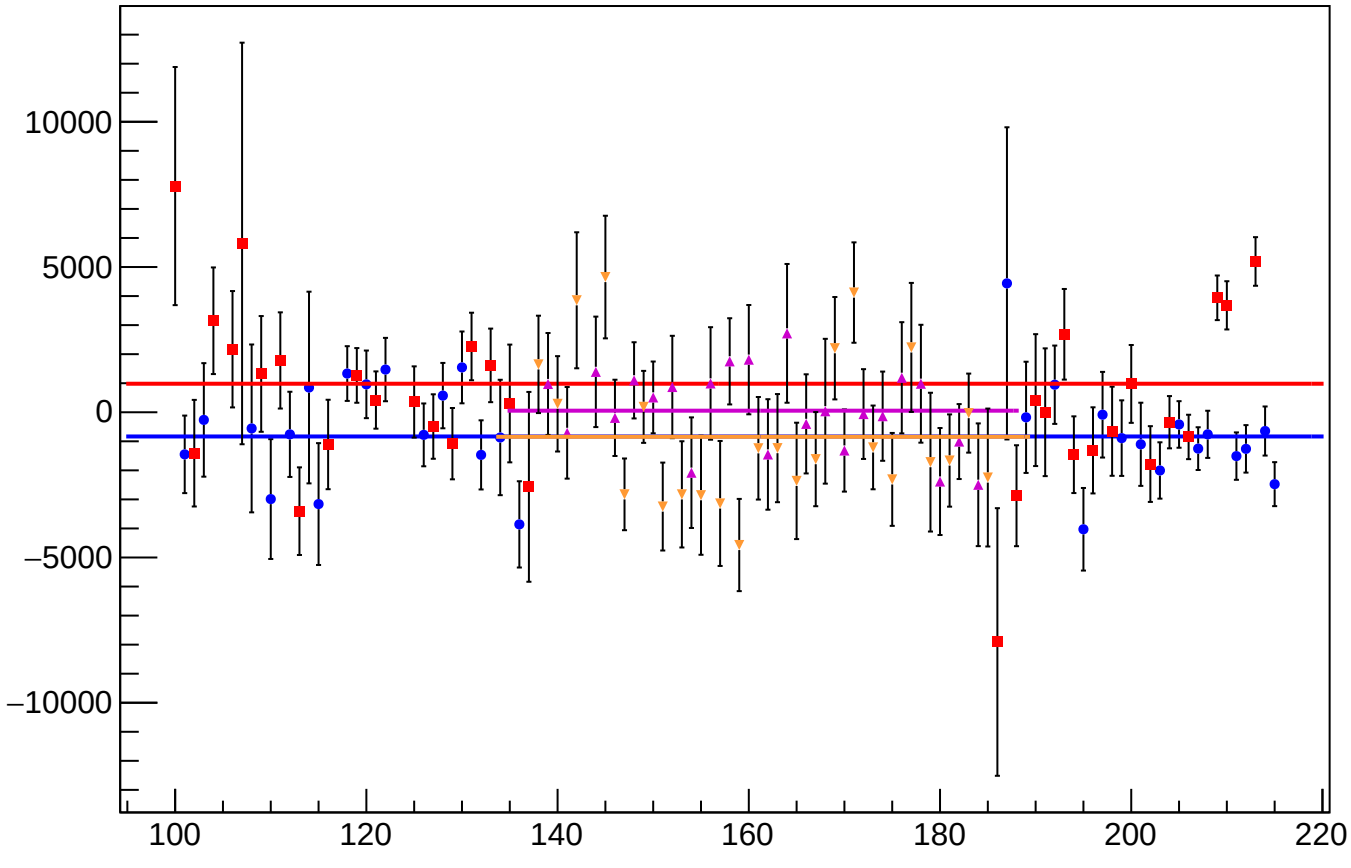
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.931+/-0.125 χ^2/NDF: 38424.0/63

In: 1098.163+/-0.127 χ^2/NDF:23944.8/53

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

All: 1100.239+/-0.090 χ^2/NDF: 49074.2/110



Right In: -833.300+/-206.727 χ^2/NDF: 40.7/30

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

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

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

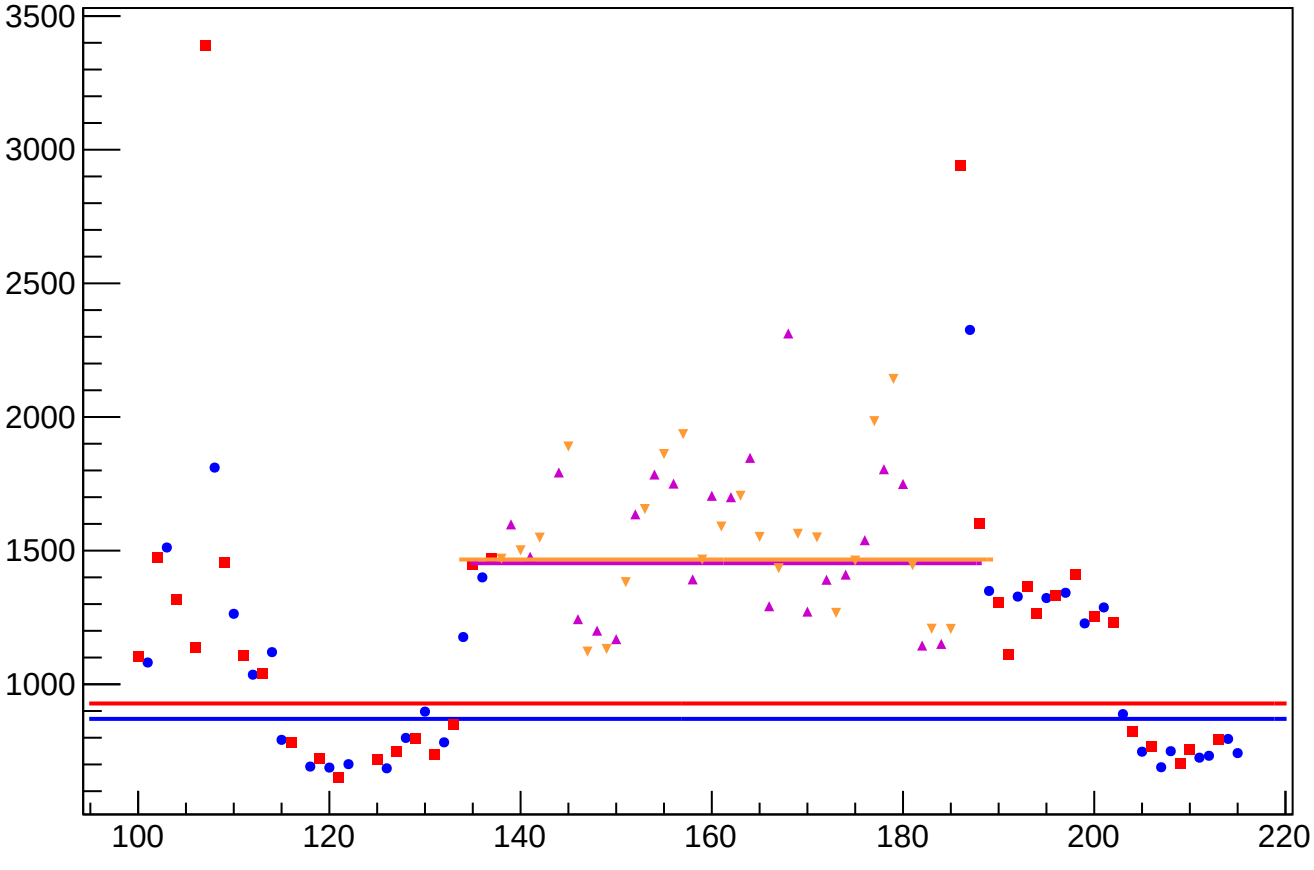
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -3.304+/-152.308 χ^2/NDF: 181.4/63

In: -599.750+/-177.459 χ^2/NDF:58.6/53

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

All: -111.951+/-129.368 χ^2/NDF: 243.7/110



Right In: 870.499+/-0.146 χ^2/NDF: 2774370.2/30

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

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

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

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

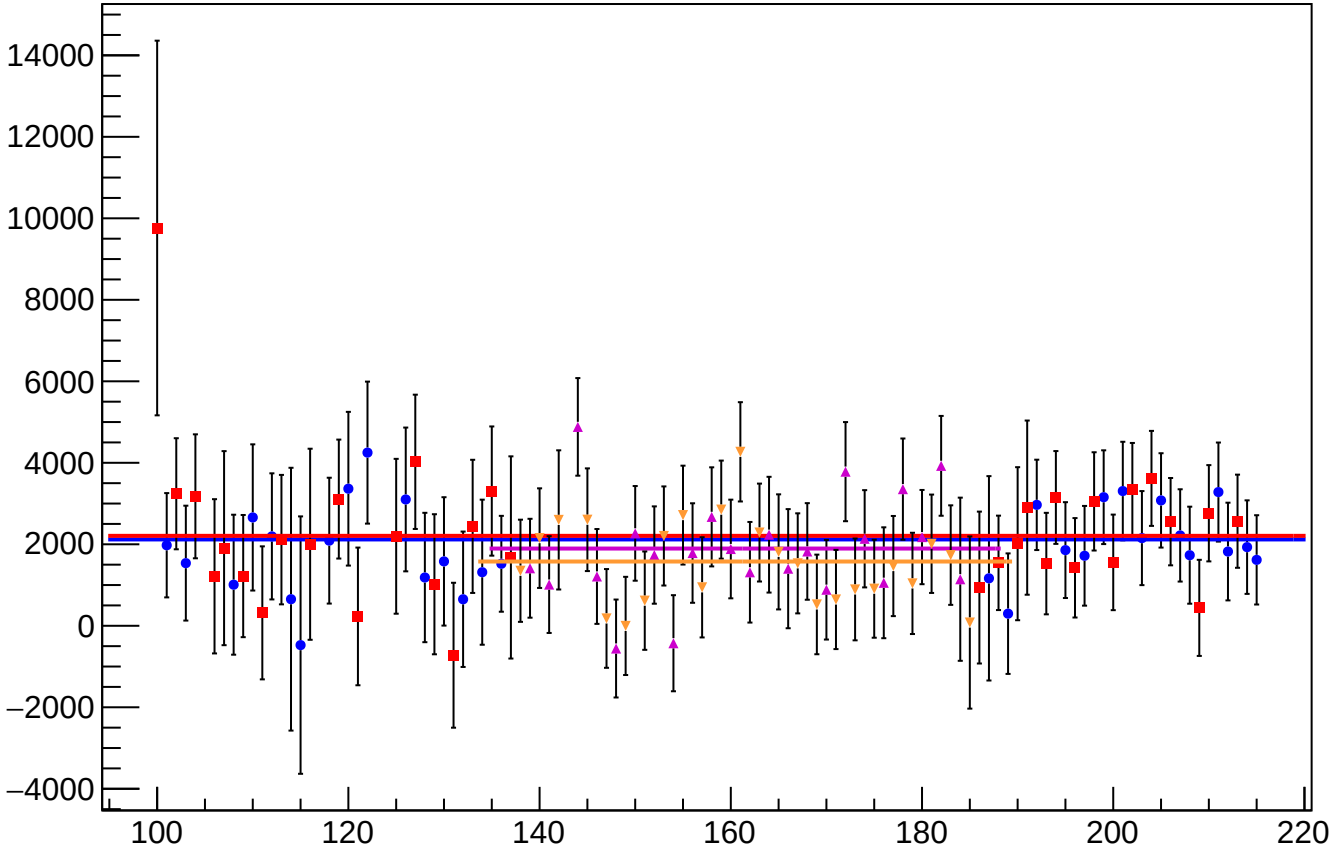
Right: 896.847+/-0.108 χ^2/NDF: 6253858.4/63

In: 1023.757+/-0.125 χ^2/NDF:8081686.1/53

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

All: 1053.679+/-0.091 χ^2/NDF: 16041387.7/1

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2119.053+/-248.949 χ^2/NDF: 11.7/30

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

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

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

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

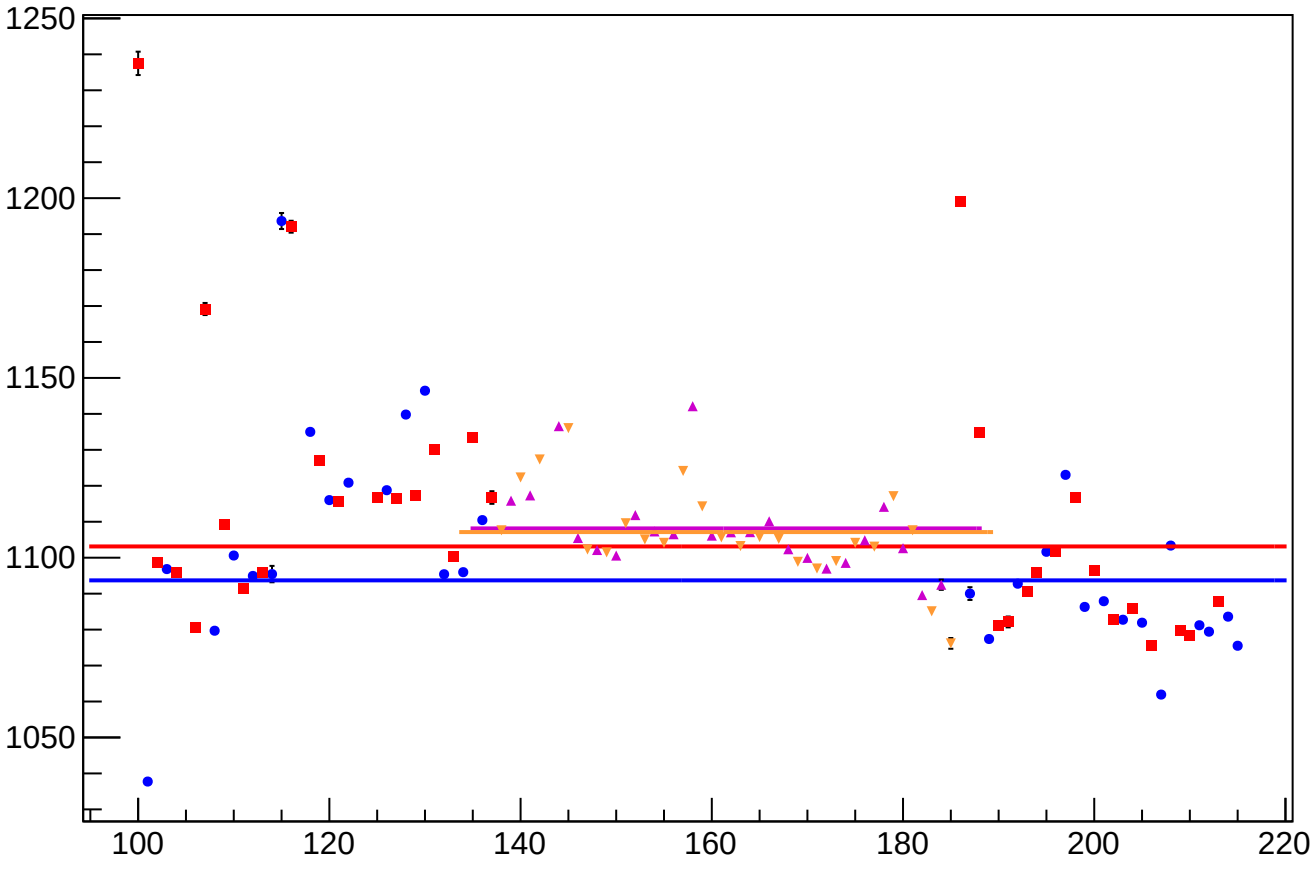
Right: 2162.372+/-177.695 χ^2/NDF: 32.5/63

In: 2011.614+/-179.398 χ^2/NDF:36.2/53

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

All: 1954.395+/-127.261 χ^2/NDF: 75.7/110

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.695+/-0.176 χ^2/NDF: 17854.5/30

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

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

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

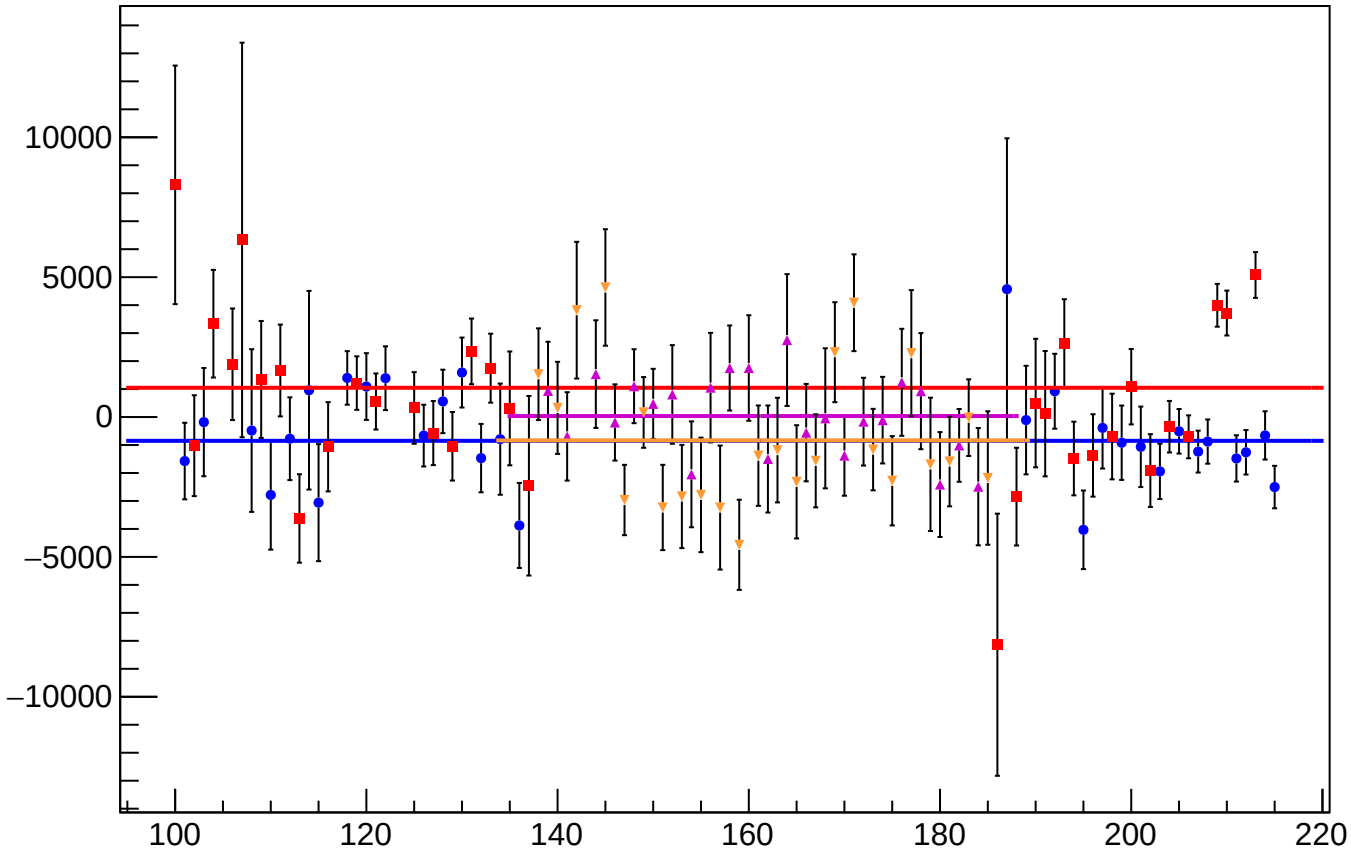
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1098.324+/-0.126 χ^2/NDF: 40478.9/63

In: 1100.641+/-0.127 χ^2/NDF:25284.2/53

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

All: 1102.858+/-0.090 χ^2/NDF: 51142.3/110



Right In: -850.255+/-208.132 χ^2/NDF: 39.9/30

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

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

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

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

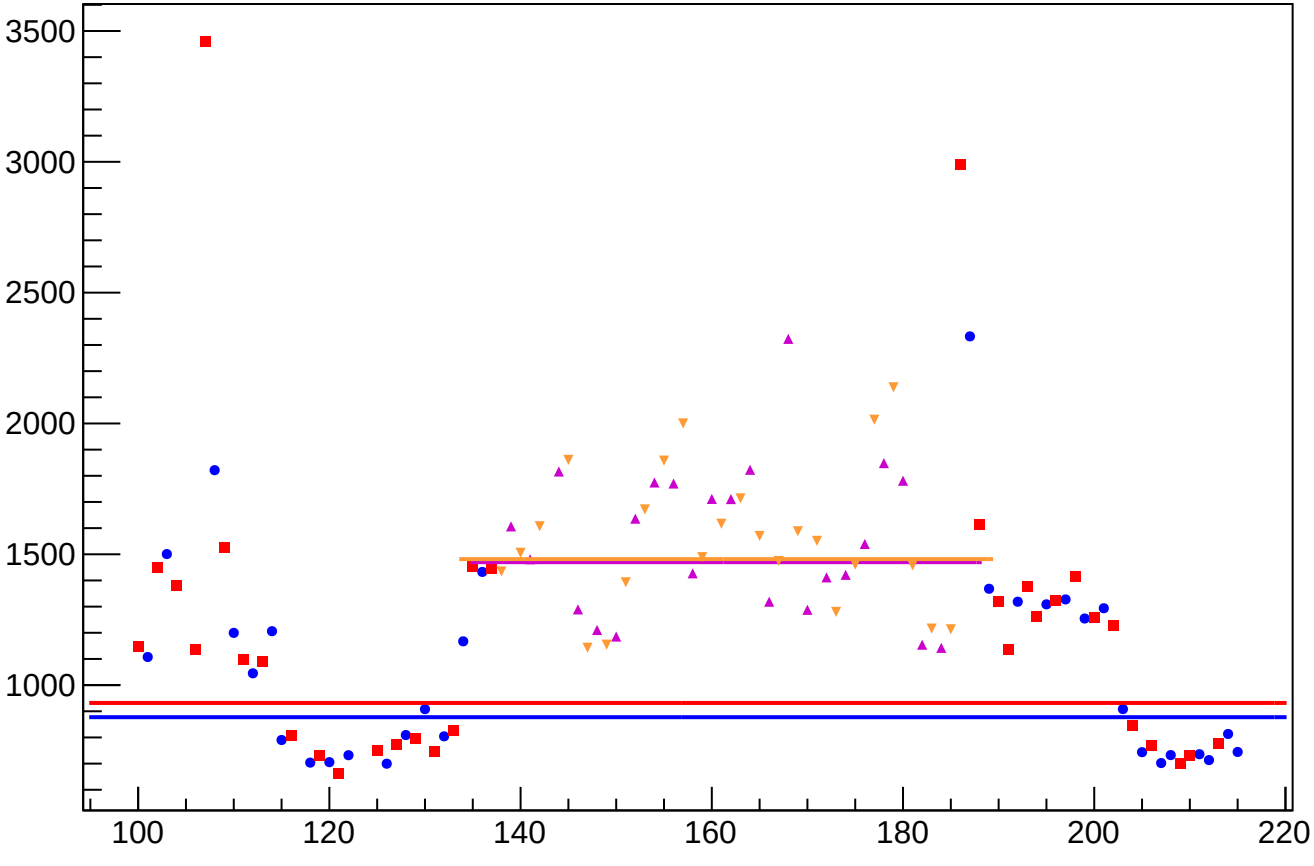
Right: 19.236+/-153.159 χ^2/NDF: 183.9/63

In: -618.497+/-178.843 χ^2/NDF:57.7/53

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

All: -96.433+/-130.250 χ^2/NDF: 245.7/110

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 877.399+/-0.147 χ^2/NDF: 2743496.1/30

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

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

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

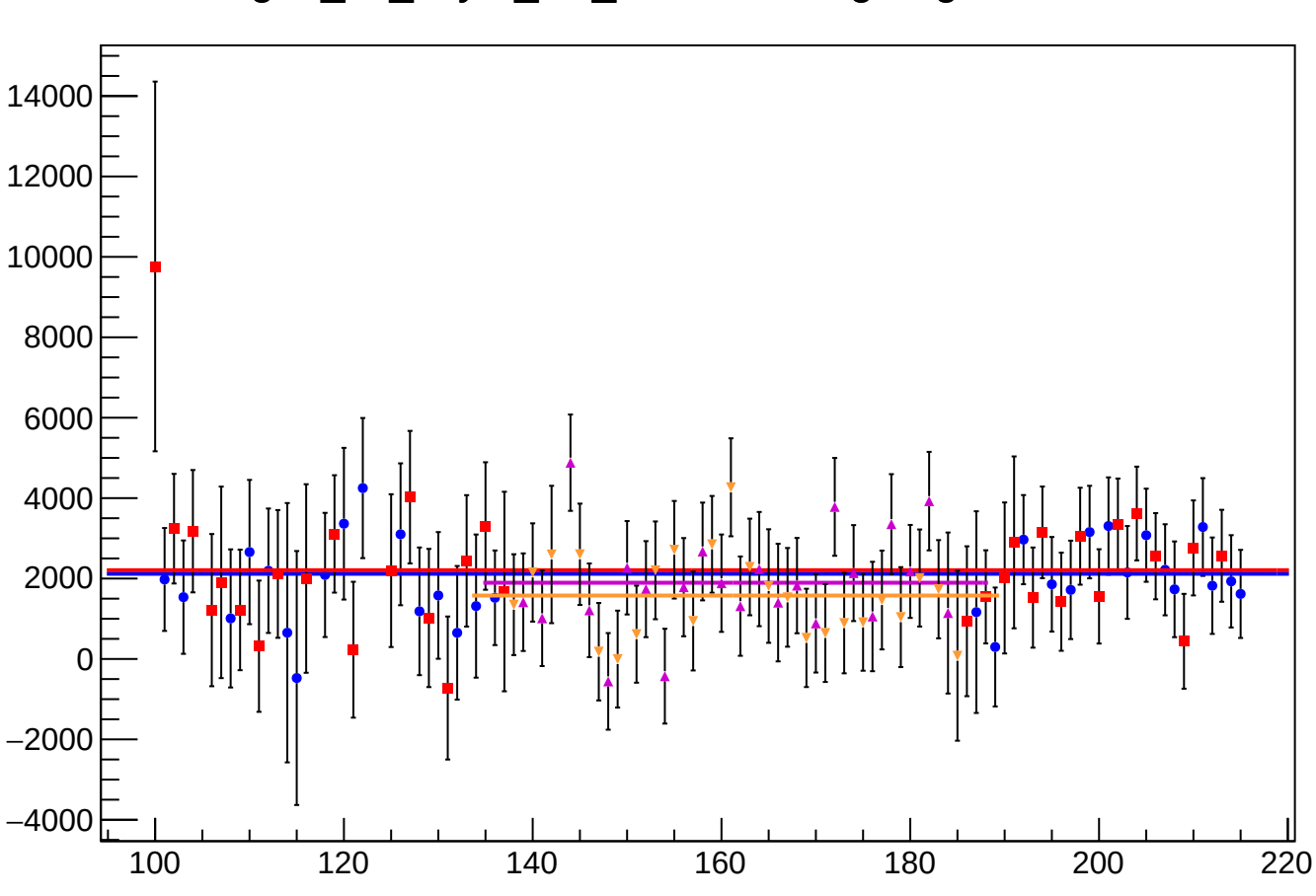
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 902.359+/-0.108 χ^2/NDF: 6258676.8/63

In: 1032.426+/-0.126 χ^2/NDF:8079383.3/53

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

All: 1061.052+/-0.092 χ^2/NDF: 16129841.1/1



Right In: 2119.053+/-248.949 χ^2/NDF: 11.7/30

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

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

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

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

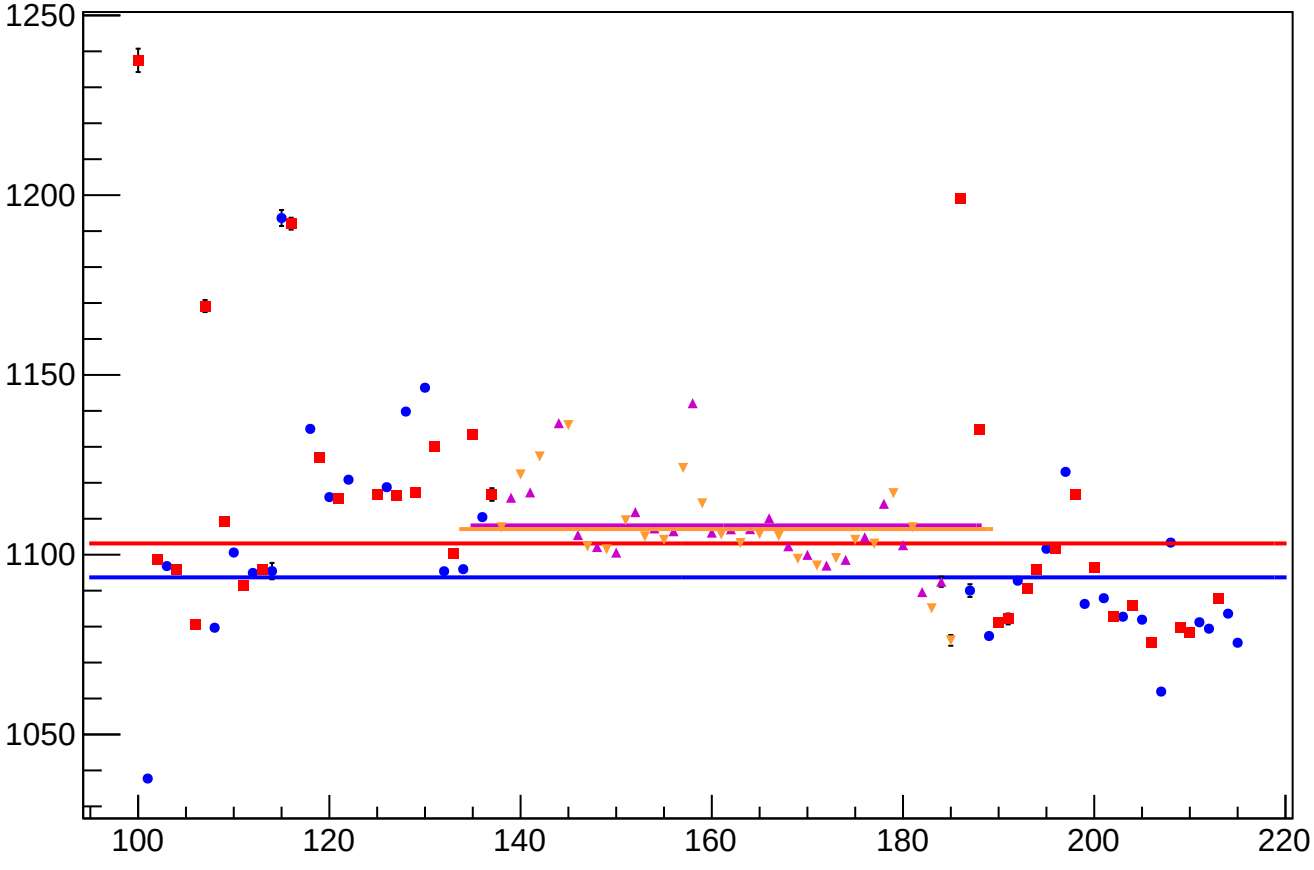
Right: 2162.371+/-177.695 χ^2/NDF: 32.5/63

In: 2011.614+/-179.398 χ^2/NDF:36.2/53

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

All: 1954.395+/-127.261 χ^2/NDF: 75.7/110

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.695+/-0.176 χ^2/NDF: 17854.5/30

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

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

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

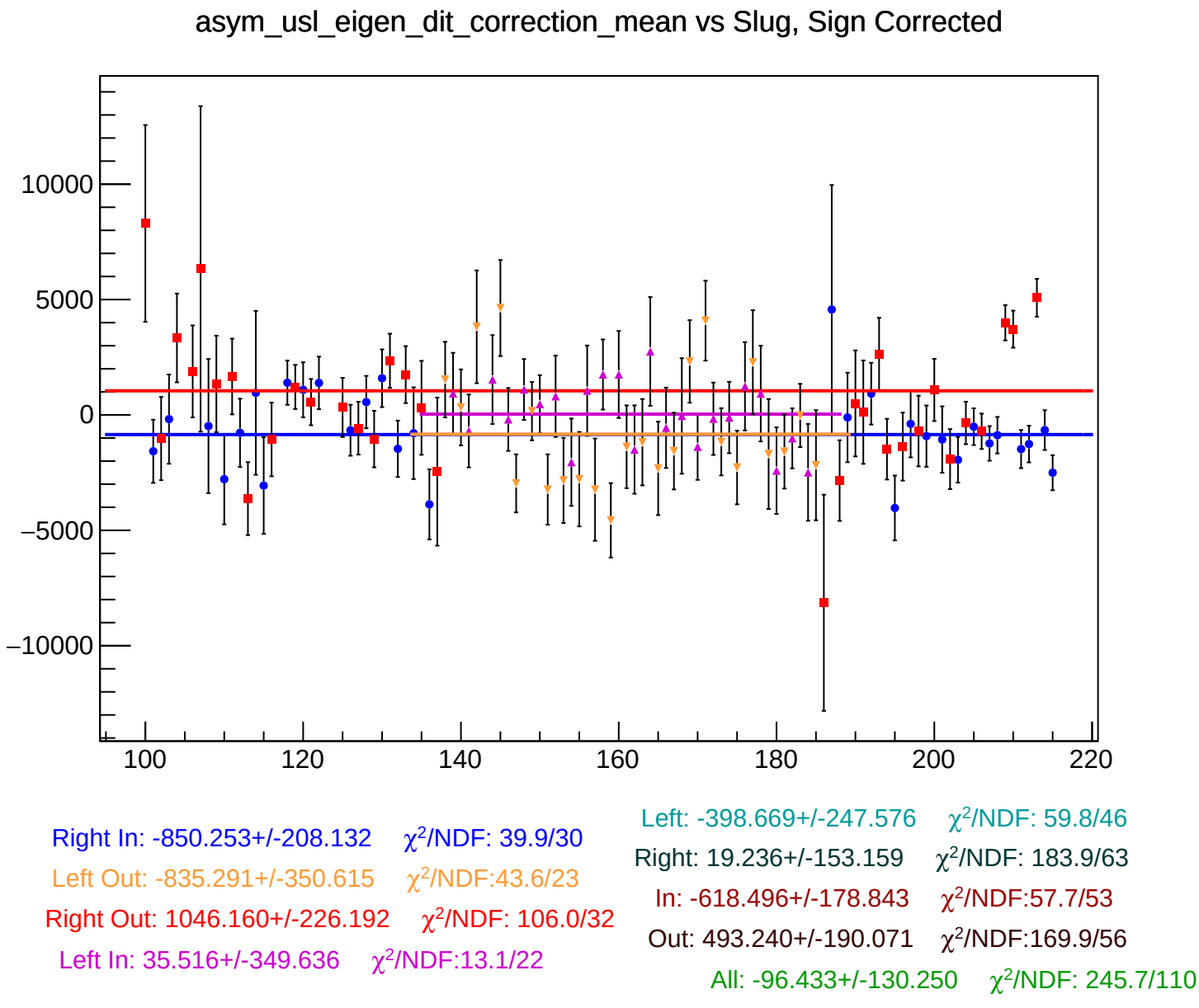
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

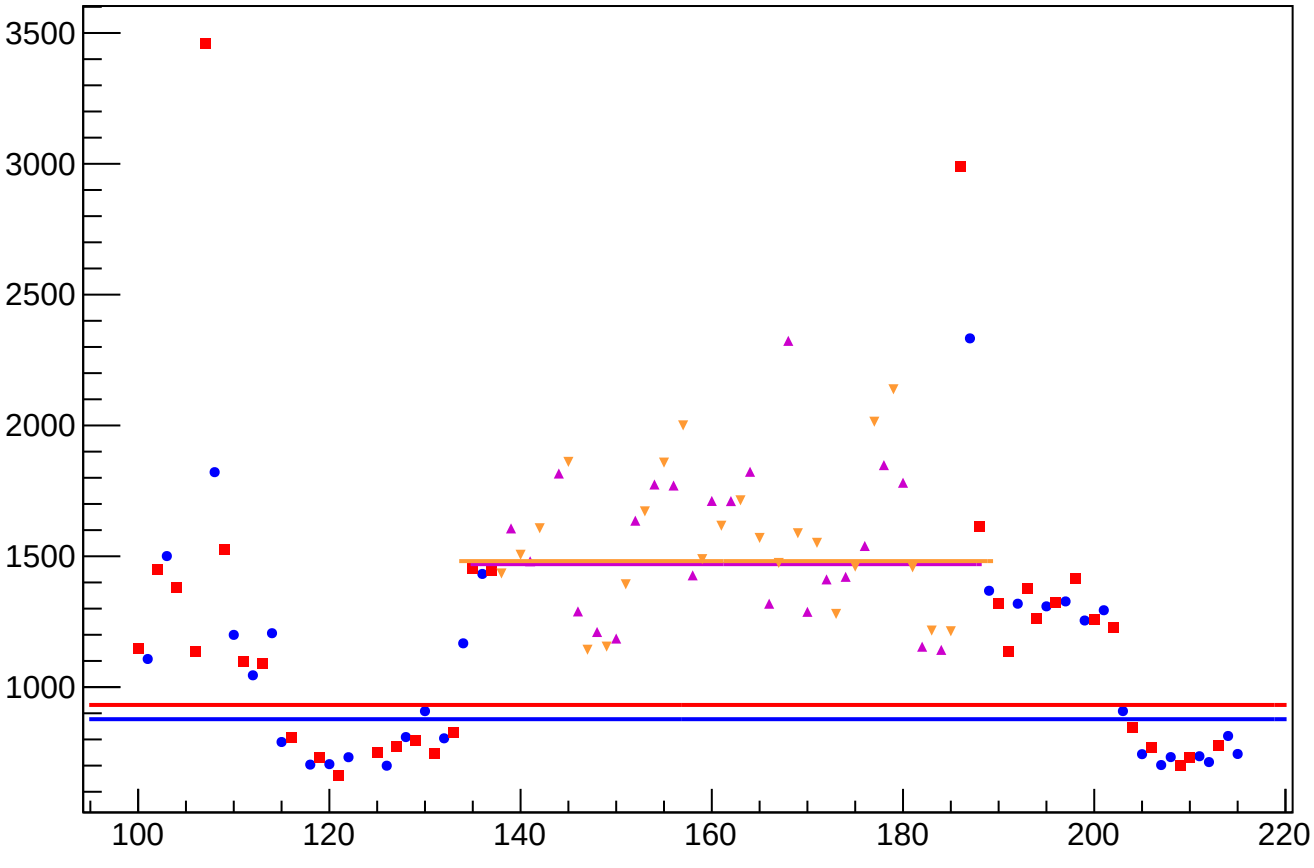
Right: 1098.324+/-0.126 χ^2/NDF: 40478.8/63

In: 1100.641+/-0.127 χ^2/NDF:25284.2/53

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

All: 1102.858+/-0.090 χ^2/NDF: 51142.2/110


asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -850.253+/-208.132 χ²/NDF: 39.9/30
Left Out: -835.291+/-350.615 χ²/NDF:43.6/23
Right Out: 1046.160+/-226.192 χ²/NDF: 106.0/32
Left In: 35.516+/-349.636 χ²/NDF:13.1/22
Left: -398.669+/-247.576 χ²/NDF: 59.8/46
Right: 19.236+/-153.159 χ²/NDF: 183.9/63
In: -618.496+/-178.843 χ²/NDF:57.7/53
Out: 493.240+/-190.071 χ²/NDF:169.9/56
All: -96.433+/-130.250 χ²/NDF: 245.7/110



Right In: 877.399+/-0.147 χ^2/NDF: 2743497.2/30

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

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

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

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

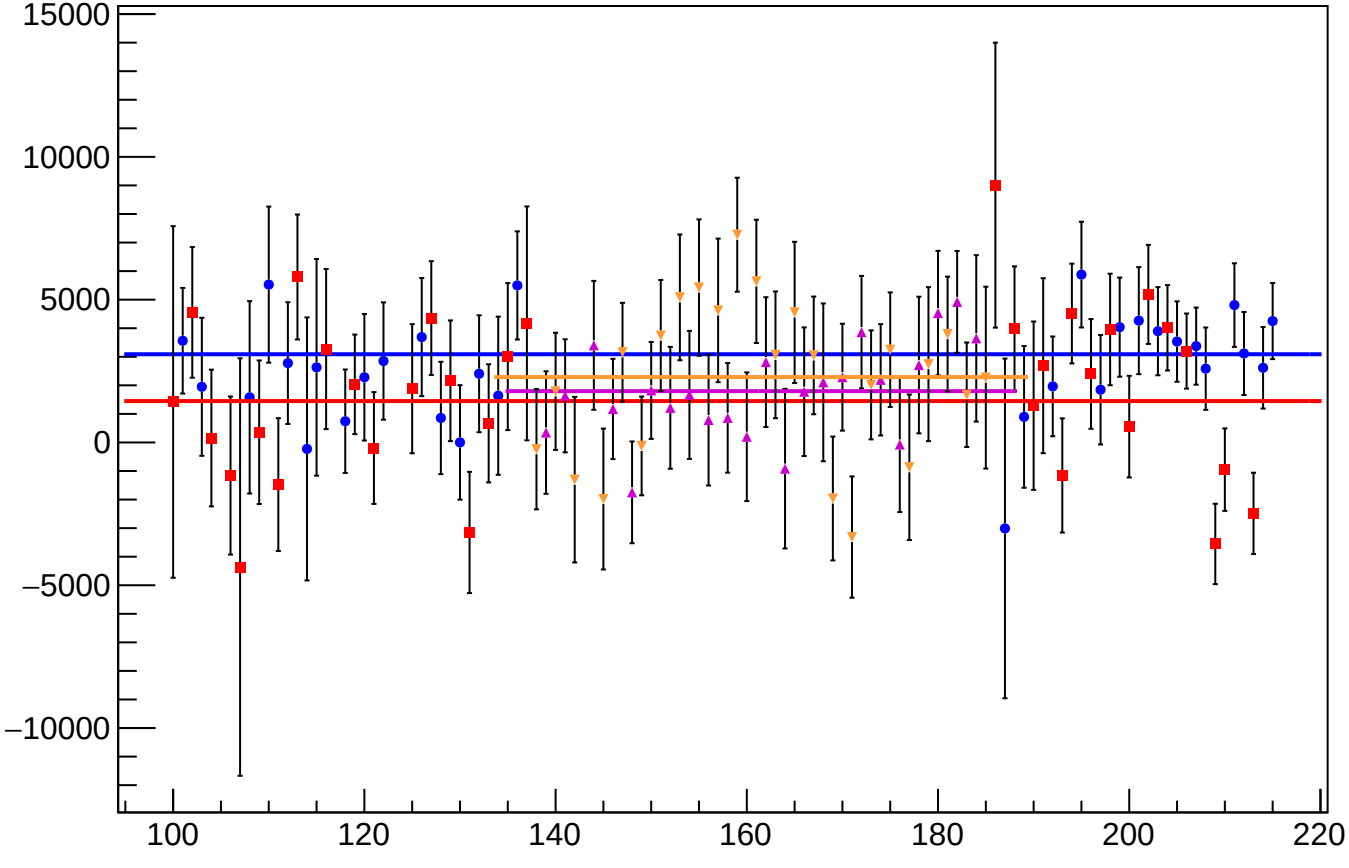
Right: 902.358+/-0.108 χ^2/NDF: 6258679.4/63

In: 1032.426+/-0.126 χ^2/NDF:8079403.3/53

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

All: 1061.052+/-0.092 χ^2/NDF: 16129883.0/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 3088.890+/-337.029 χ^2/NDF: 17.8/30

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

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

Left In: 1796.308+/-439.143 χ^2/NDF:14.2/22

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

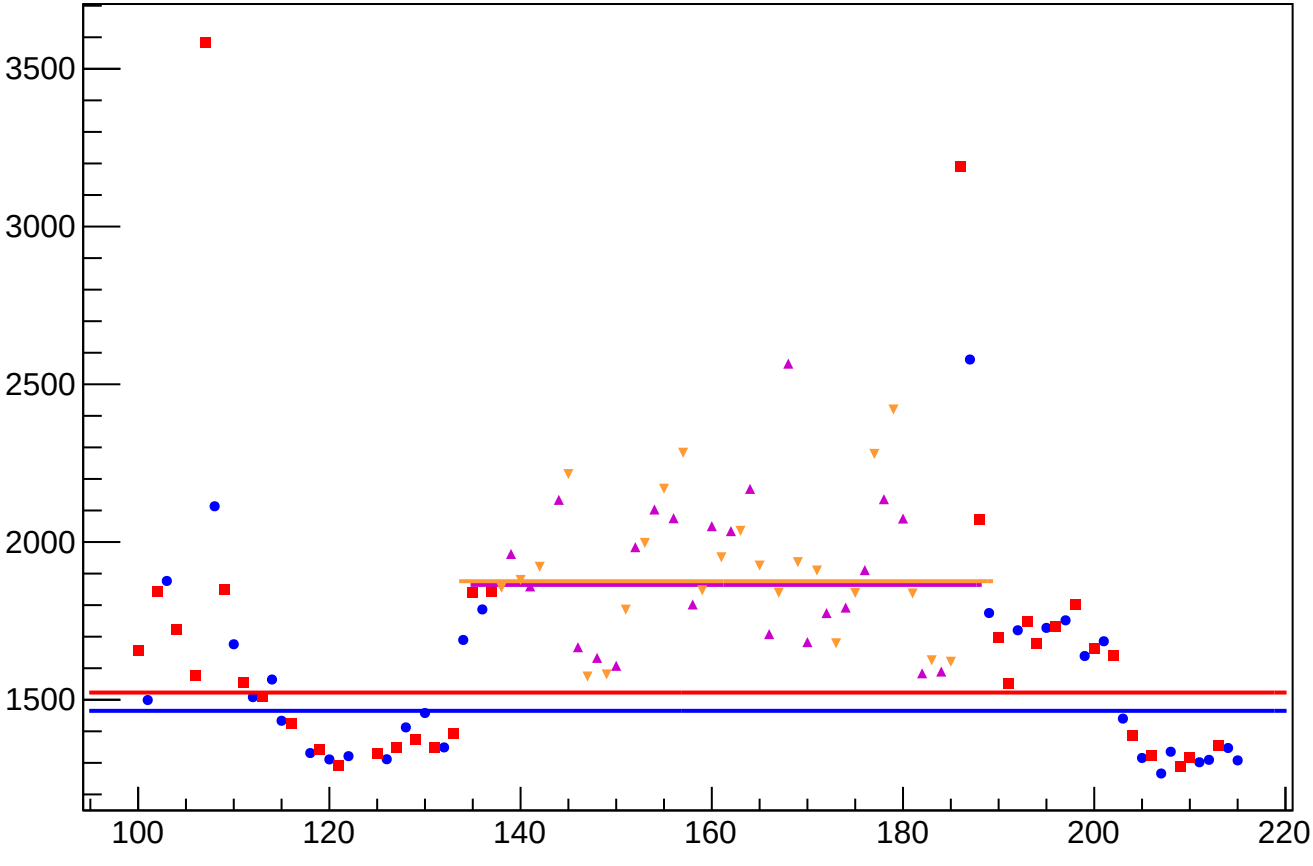
Right: 2314.074+/-244.790 χ^2/NDF: 90.7/63

In: 2609.759+/-267.365 χ^2/NDF:37.5/53

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

All: 2210.168+/-192.255 χ^2/NDF: 142.1/110

asym_usl_rms vs Slug, Sign Corrected



Right In: 1464.954+/-0.238 χ^2/NDF: 715251.2/30

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1522.903+/-0.252 χ^2/NDF: 1073845.9/32

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

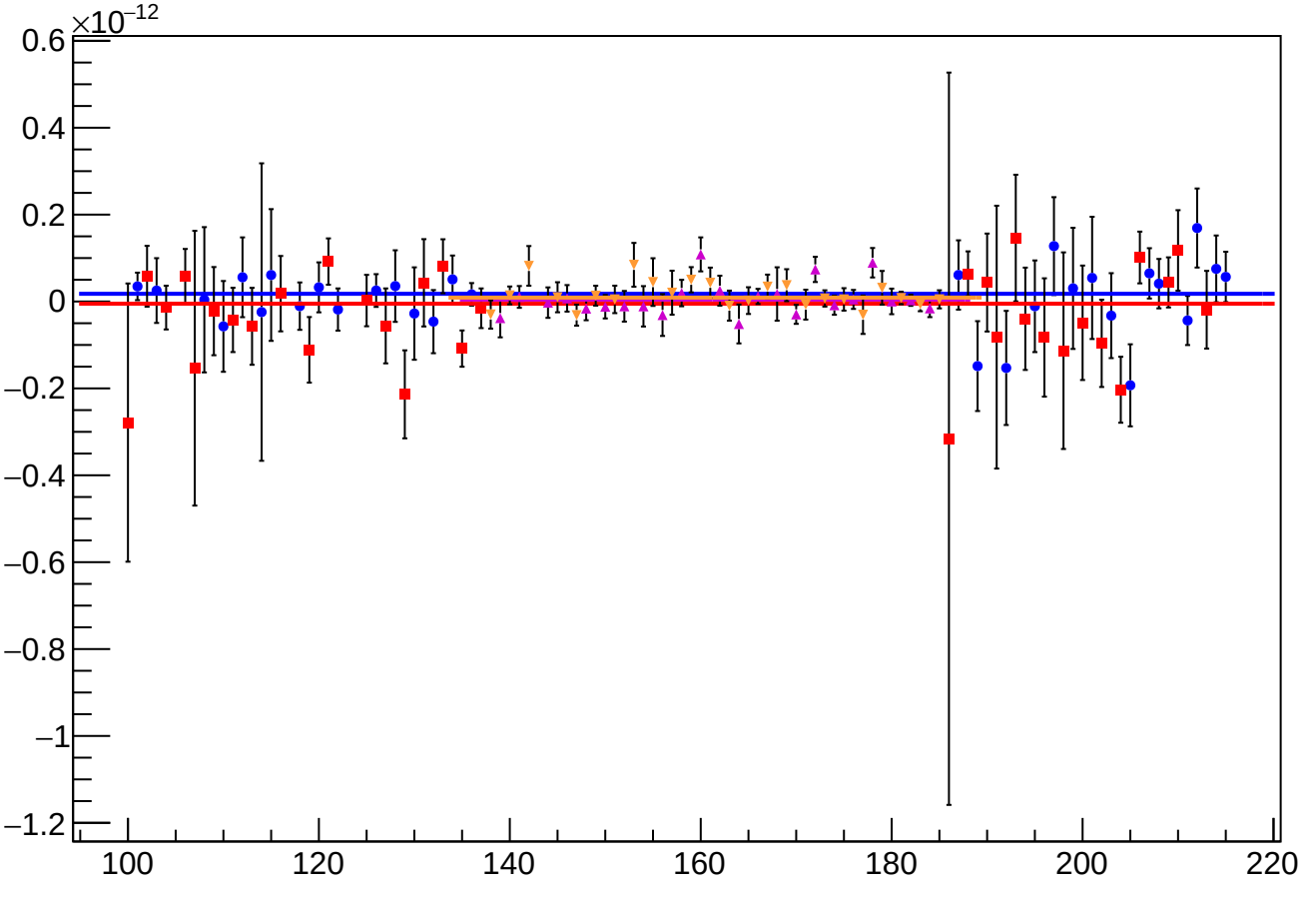
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1492.333+/-0.173 χ^2/NDF: 1817032.3/63

In: 1612.931+/-0.189 χ^2/NDF:2265989.0/53

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

All: 1637.038+/-0.136 χ^2/NDF: 4624884.5/11



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 39.0/32

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

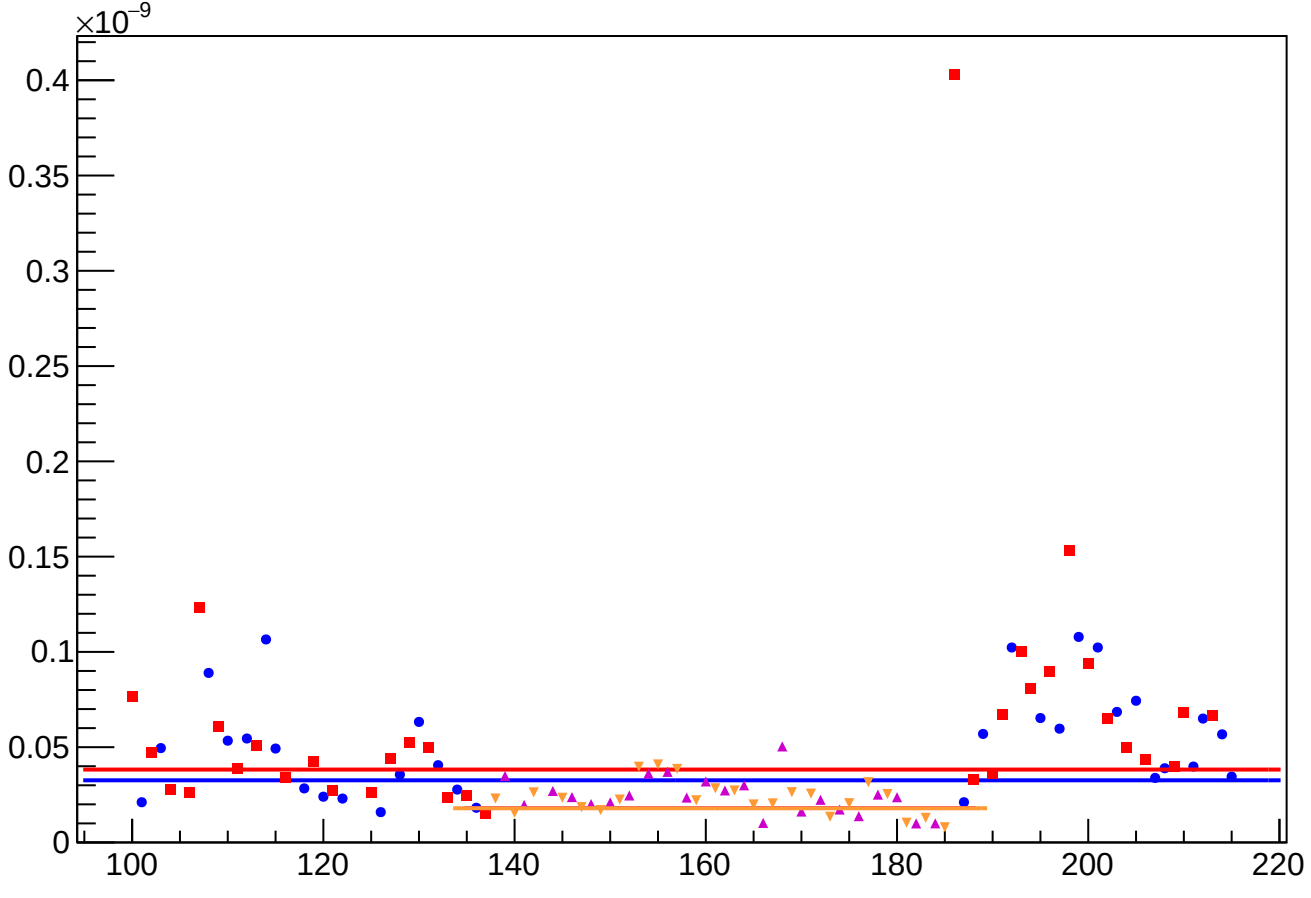
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 60.8/63

In: 0.000+/-0.000 χ^2/NDF:49.3/53

Out: 0.000+/-0.000 χ^2/NDF:56.5/56

All: 0.000+/-0.000 χ^2/NDF: 105.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 5519834.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4407952.9/32

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

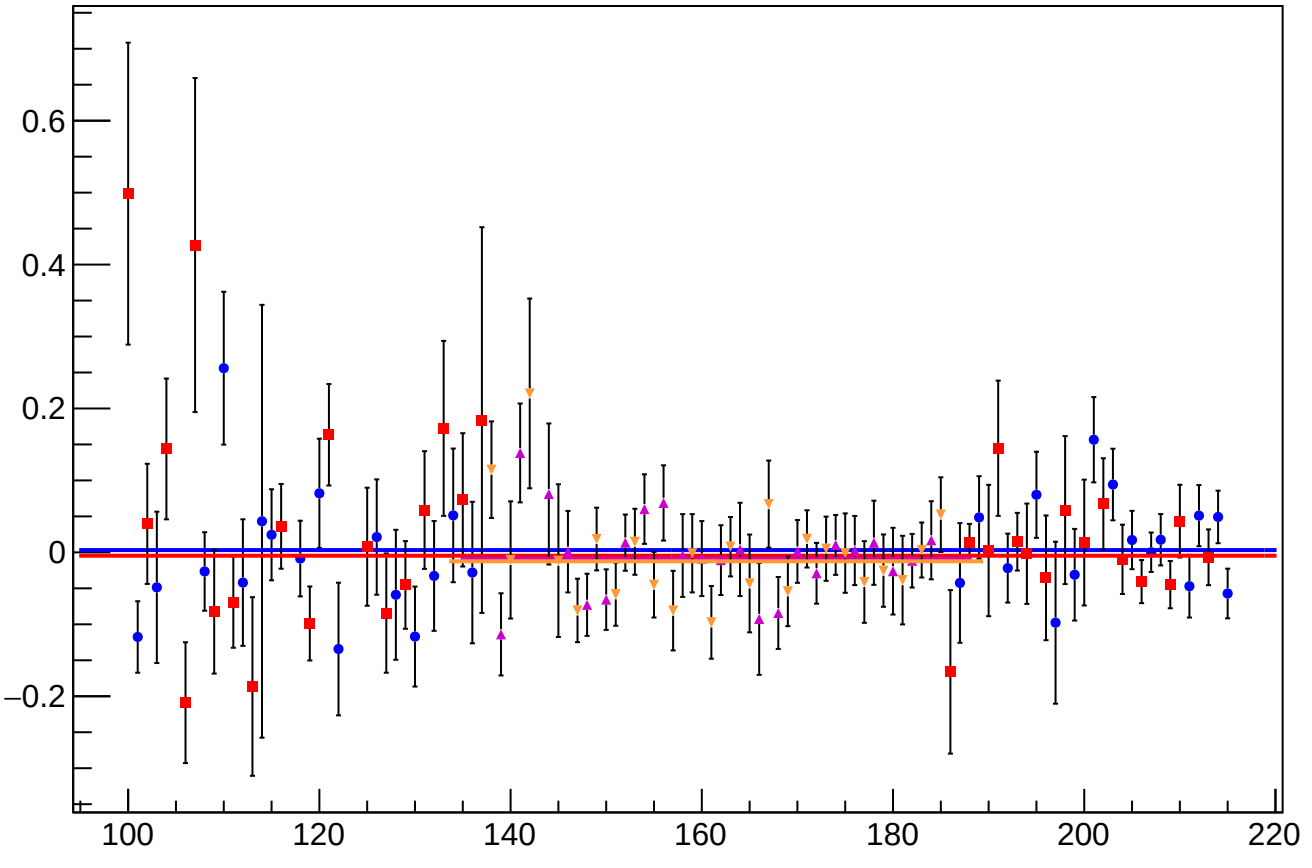
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10136310.0/63

In: 0.000+/-0.000 χ^2/NDF:12365006.9/53

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

All: 0.000+/-0.000 χ^2/NDF: 24261996.8/110



Right In: 0.003+/-0.010 χ^2/NDF: 41.5/30

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.005+/-0.010 χ^2/NDF: 47.5/32

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

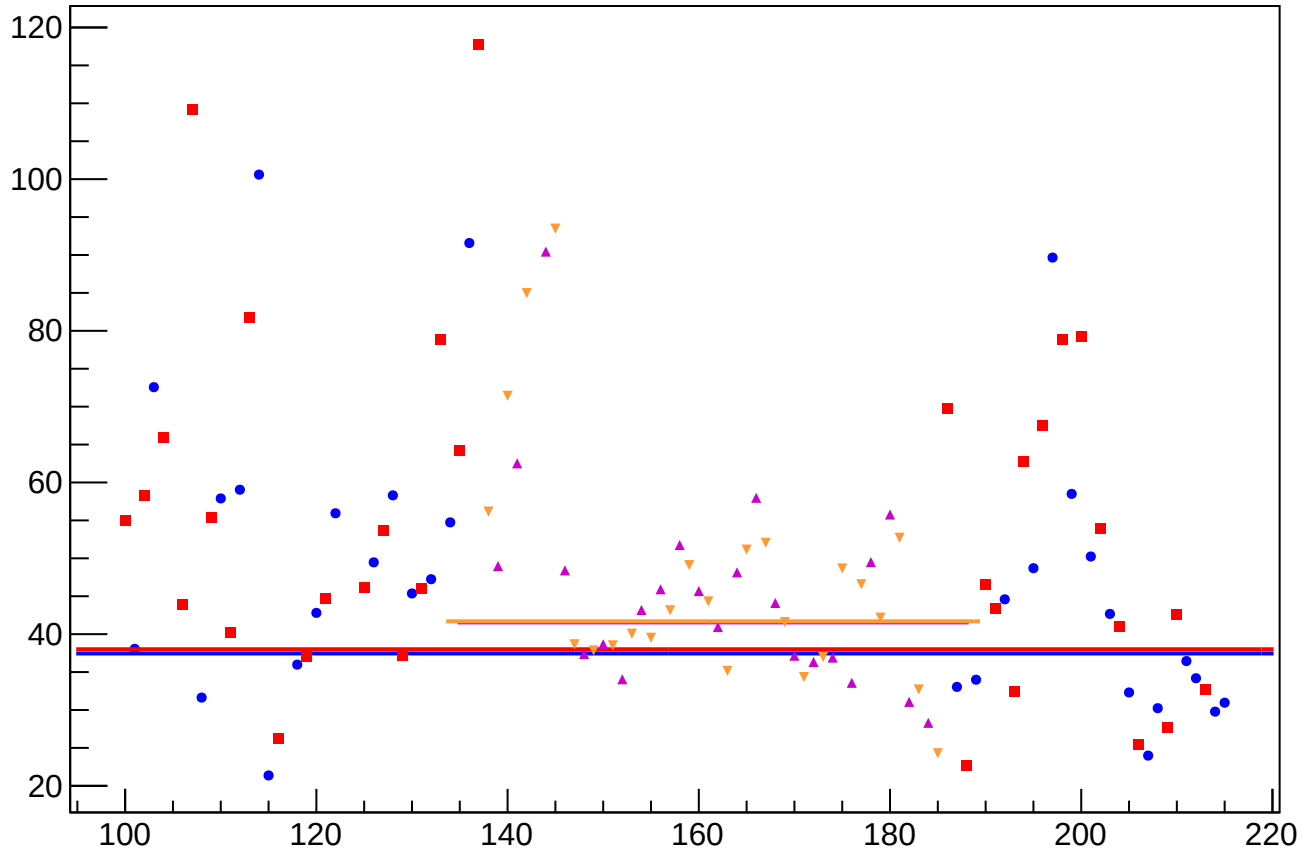
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.007 χ^2/NDF: 89.3/63

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.005+/-0.005 χ^2/NDF: 134.2/110



Right In: 37.454+/-0.007 χ^2/NDF: 3296448.5/30

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.009+/-0.007 χ^2/NDF: 4466941.0/32

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

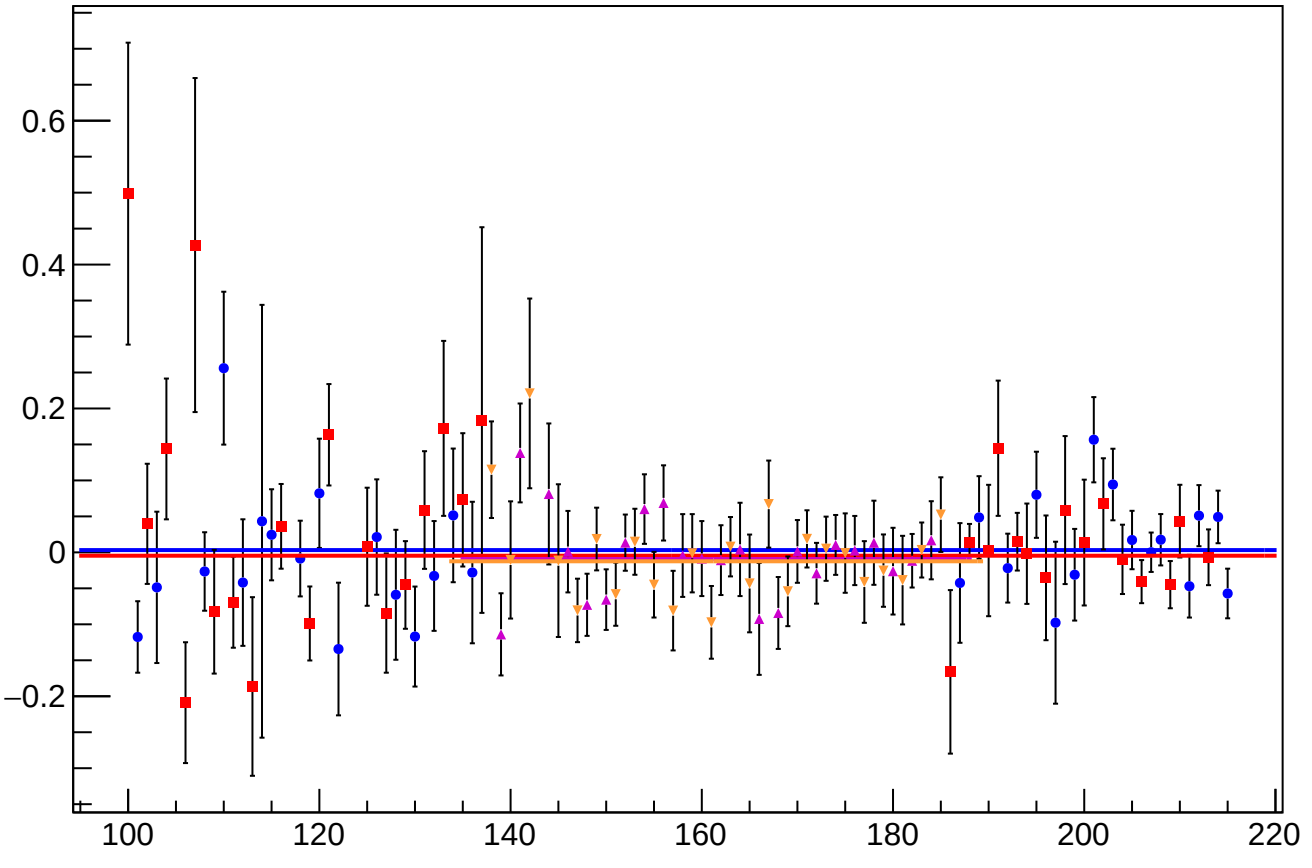
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 37.717+/-0.005 χ^2/NDF: 7766431.1/63

In: 39.365+/-0.005 χ^2/NDF:5072491.8/53

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

All: 39.587+/-0.004 χ^2/NDF: 11490576.4/110



Right In: 0.003+/-0.010 χ^2/NDF: 41.5/30

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.005+/-0.010 χ^2/NDF: 47.5/32

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

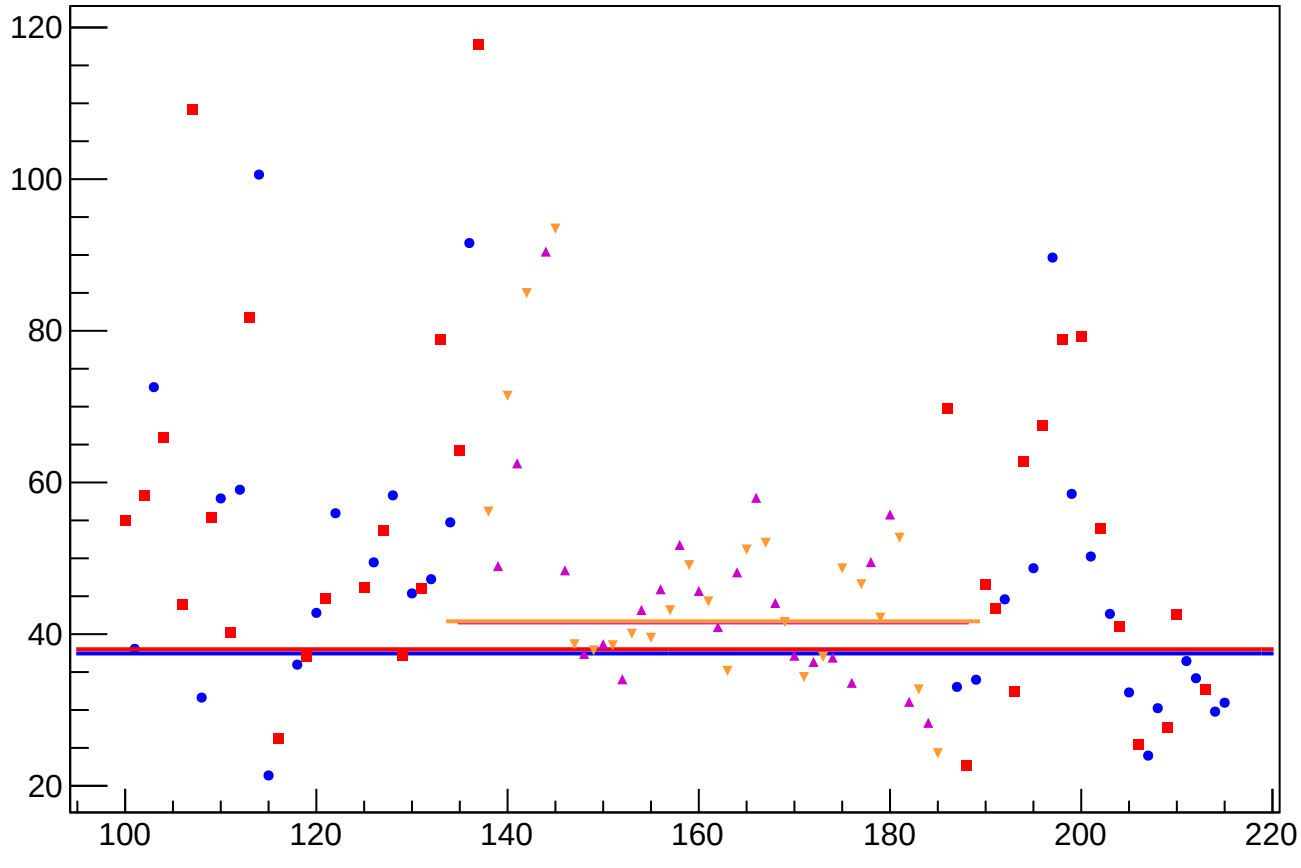
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.007 χ^2/NDF: 89.3/63

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.005+/-0.005 χ^2/NDF: 134.2/110



Right In: 37.454+/-0.007 χ^2/NDF: 3296448.5/30

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.009+/-0.007 χ^2/NDF: 4466941.0/32

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

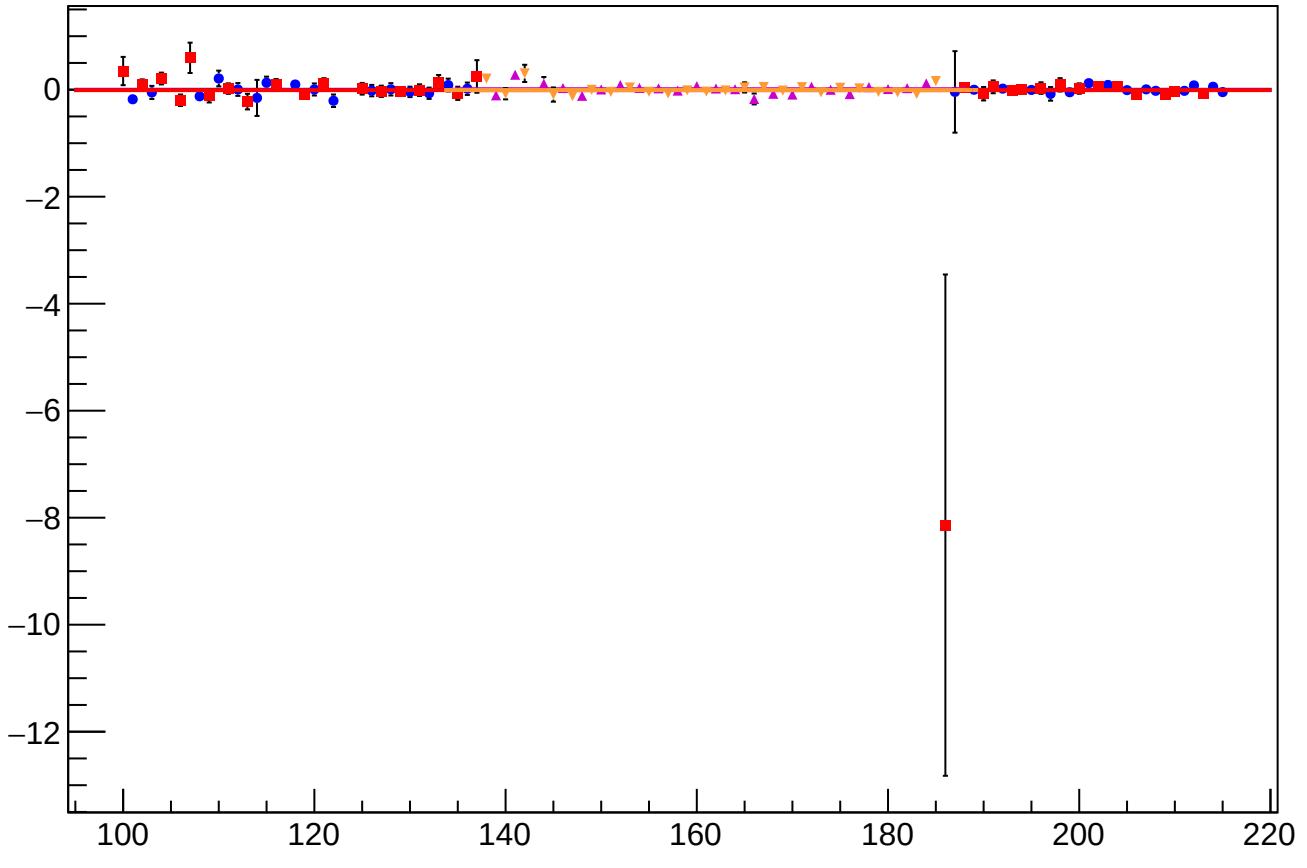
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 37.717+/-0.005 χ^2/NDF: 7766431.1/63

In: 39.365+/-0.005 χ^2/NDF:5072491.8/53

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

All: 39.587+/-0.004 χ^2/NDF: 11490576.4/110



Right In: -0.002+/-0.014 χ^2/NDF: 28.2/30

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.008+/-0.015 χ^2/NDF: 37.1/32

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

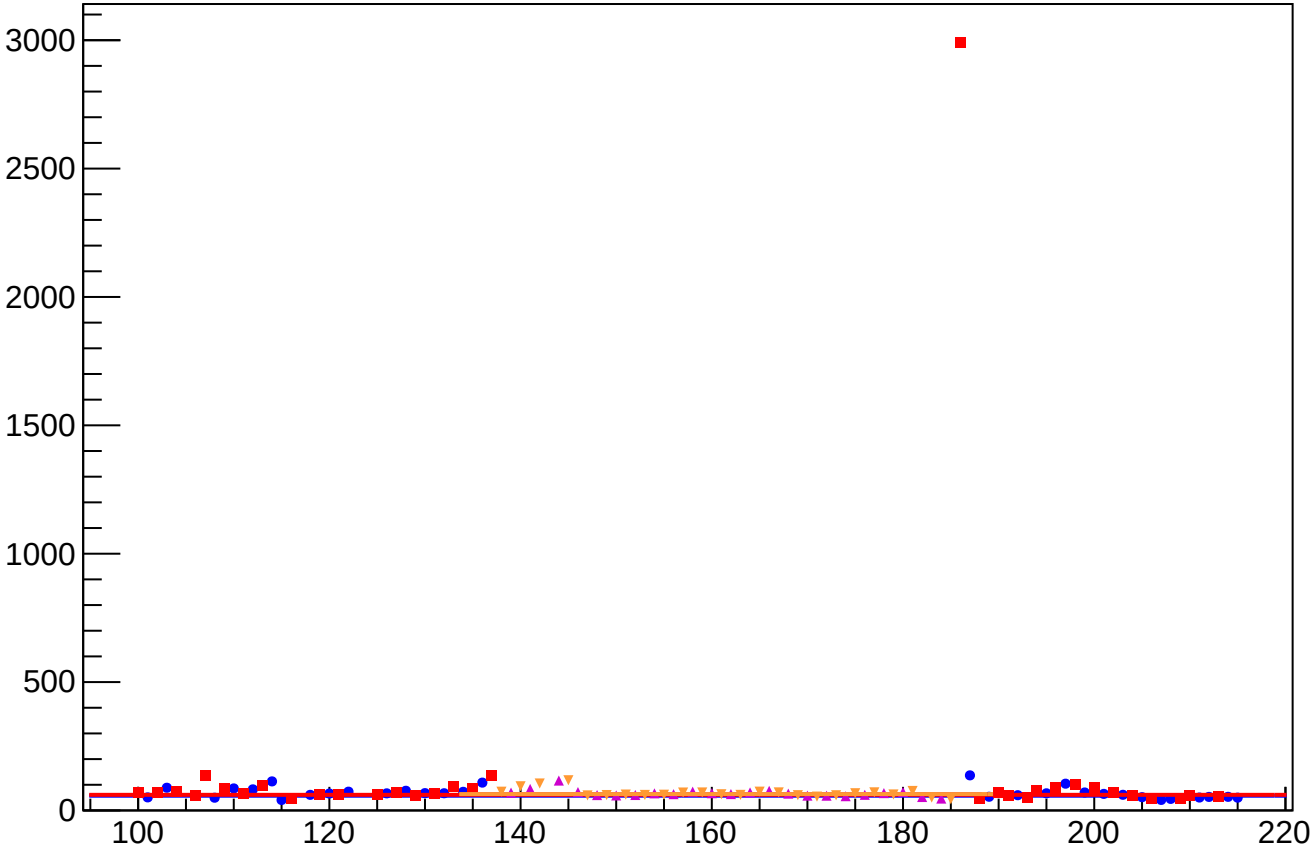
Right: -0.005+/-0.010 χ^2/NDF: 65.4/63

In: 0.002+/-0.010 χ^2/NDF:56.5/53

Out: -0.007+/-0.011 χ^2/NDF:60.8/56

All: -0.002+/-0.008 χ^2/NDF: 117.7/110

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.441+/-0.010 χ^2/NDF: 1905224.9/30

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 60.837+/-0.011 χ^2/NDF: 2745422.4/32

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

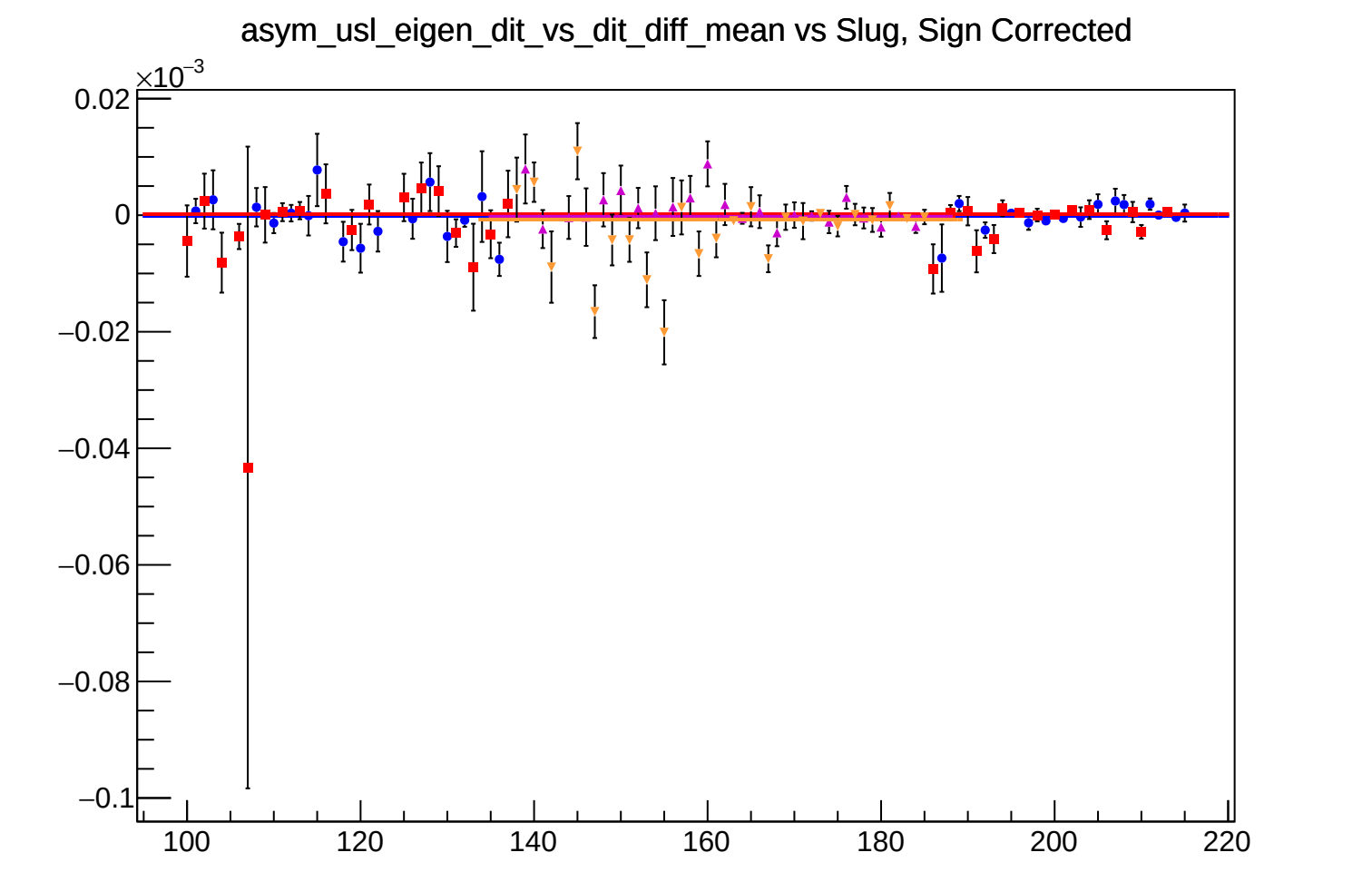
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 59.007+/-0.007 χ^2/NDF: 4703795.0/63

In: 60.440+/-0.007 χ^2/NDF:2941660.2/53

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

All: 61.333+/-0.005 χ^2/NDF: 6833024.8/110



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/32

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

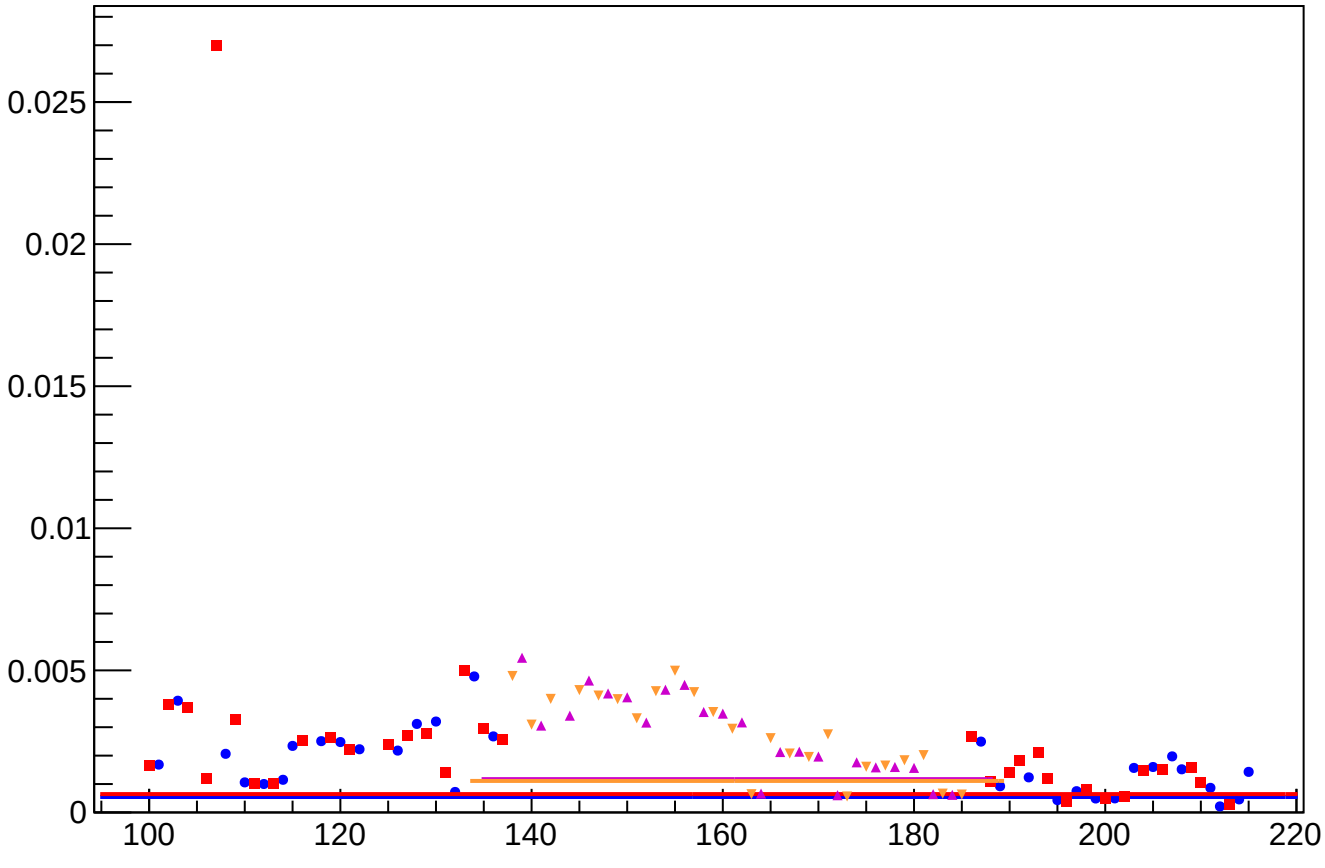
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 79.3/63

In: -0.000+/-0.000 χ^2/NDF:57.0/53

Out: -0.000+/-0.000 χ^2/NDF:105.3/56

All: -0.000+/-0.000 χ^2/NDF: 162.4/110



Right In: 0.001+/-0.000 χ^2/NDF: 15593265.0/30

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 14609751.7/32

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

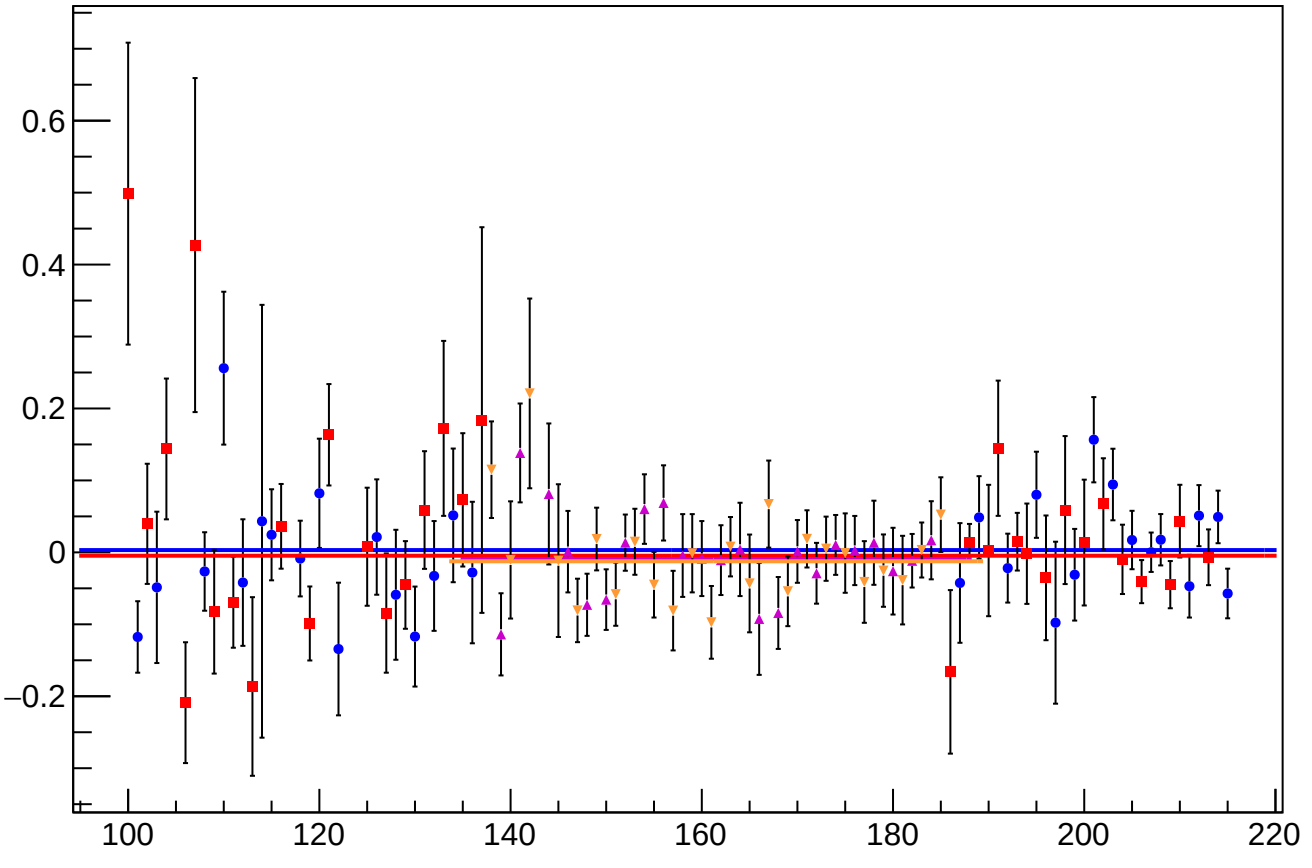
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 30490083.2/63

In: 0.001+/-0.000 χ^2/NDF:34827601.5/53

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

All: 0.001+/-0.000 χ^2/NDF: 67711166.0/110



Right In: 0.003+/-0.010 χ^2/NDF: 41.5/30

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.005+/-0.010 χ^2/NDF: 47.5/32

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

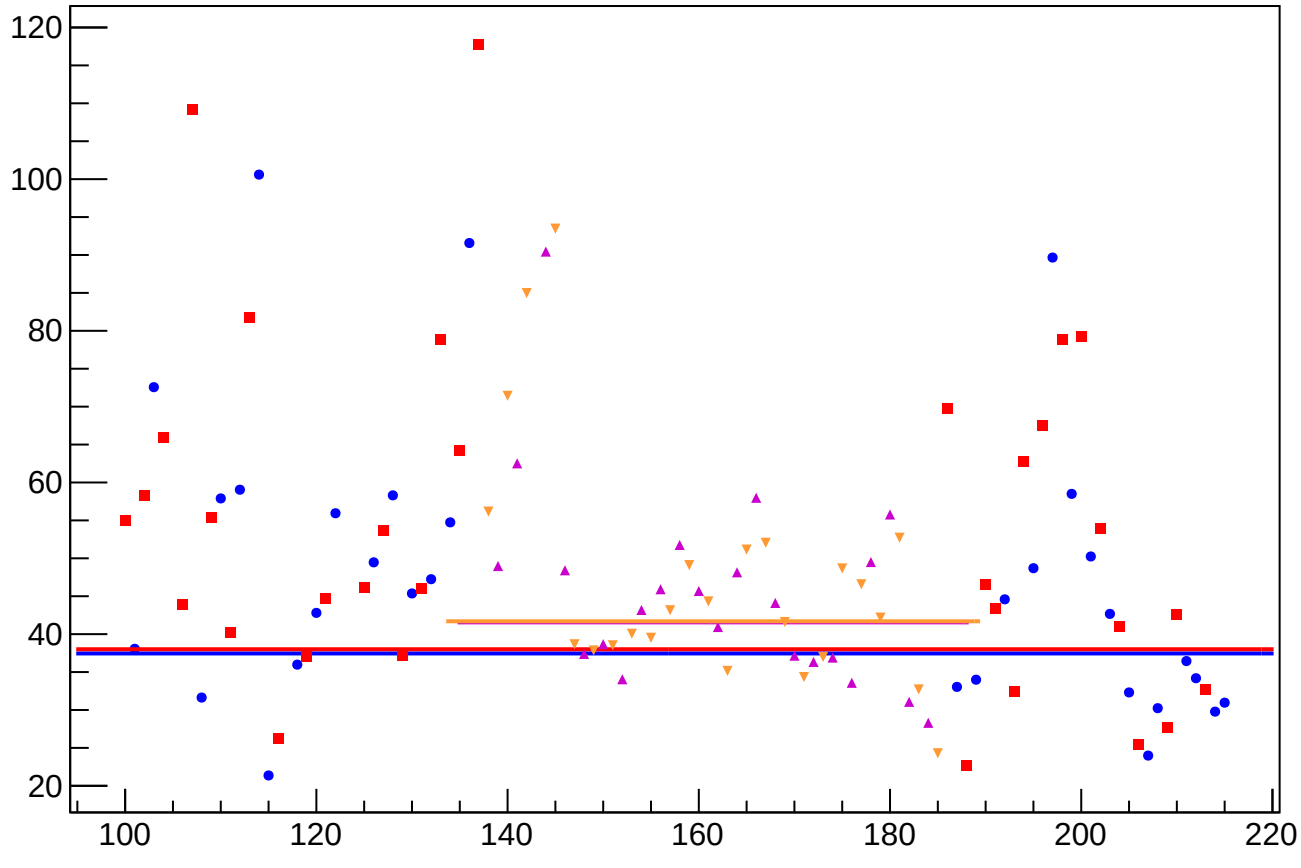
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.007 χ^2/NDF: 89.3/63

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.005+/-0.005 χ^2/NDF: 134.2/110



Right In: 37.454+/-0.007 χ^2/NDF: 3296432.7/30

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.009+/-0.007 χ^2/NDF: 4466823.2/32

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

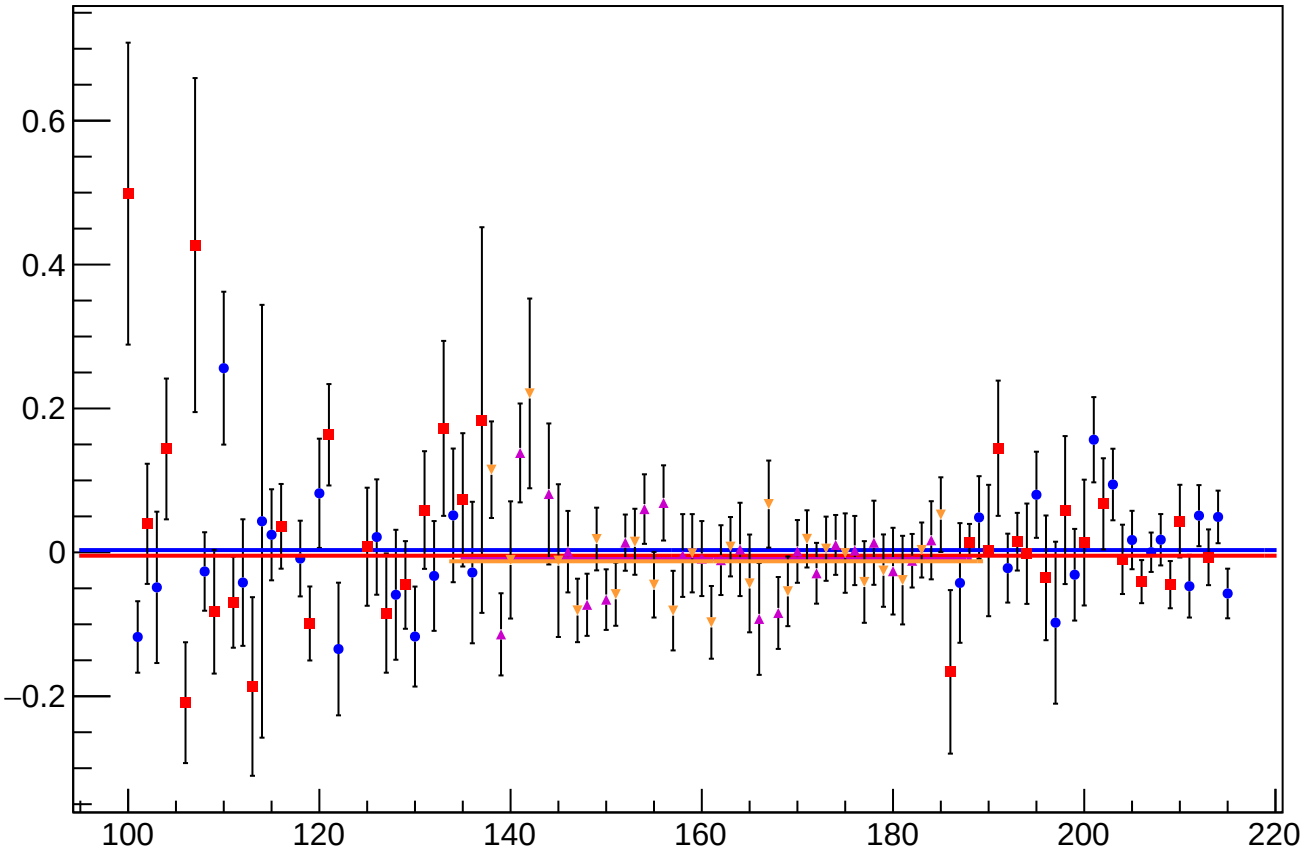
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 37.717+/-0.005 χ^2/NDF: 7766299.5/63

In: 39.365+/-0.005 χ^2/NDF:5072474.6/53

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

All: 39.587+/-0.004 χ^2/NDF: 11490414.7/110



Right In: 0.003+/-0.010 χ^2/NDF: 41.5/30

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.005+/-0.010 χ^2/NDF: 47.5/32

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

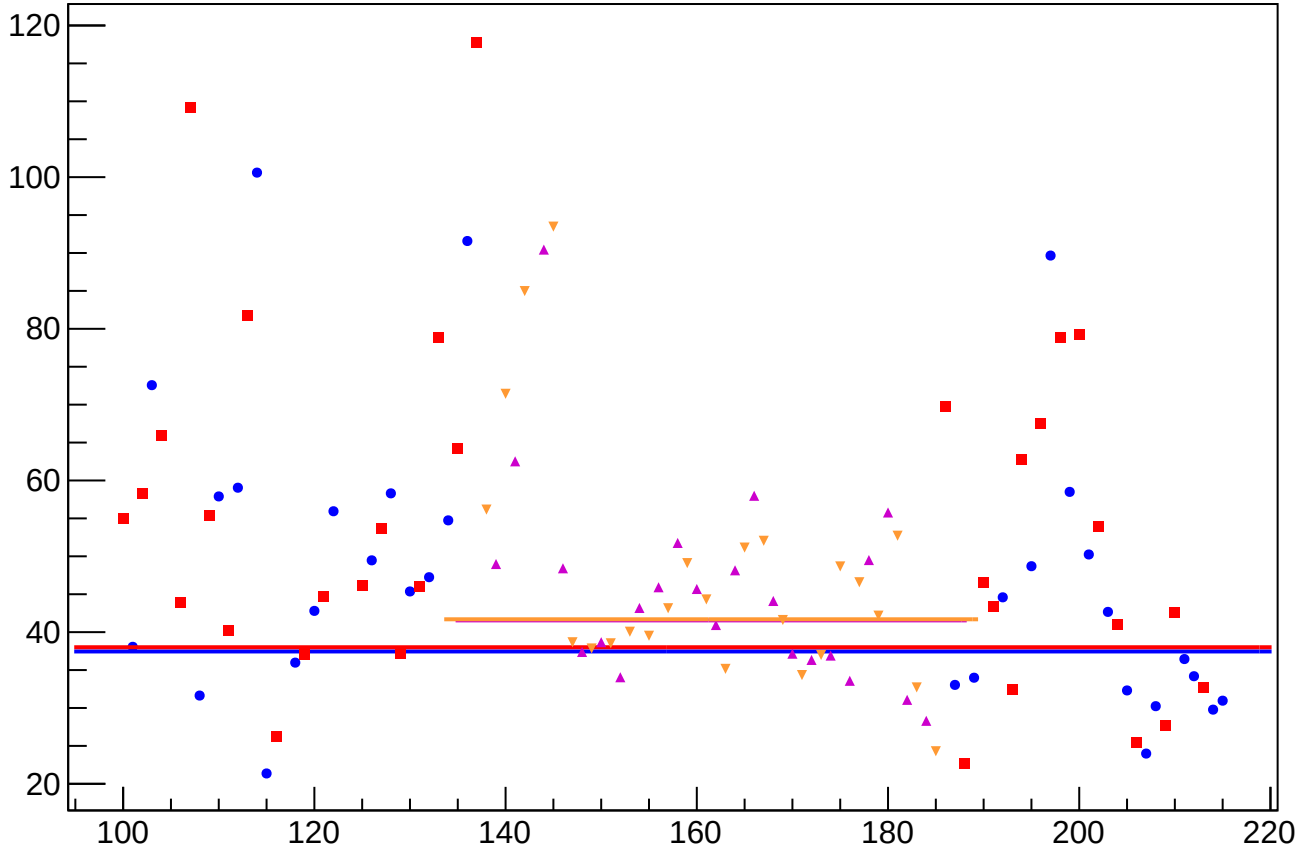
Right: -0.001+/-0.007 χ^2/NDF: 89.3/63

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.008+/-0.007 χ^2/NDF:69.7/56

All: -0.005+/-0.005 χ^2/NDF: 134.2/110

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.454+/-0.007 χ^2/NDF: 3296432.7/30

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.009+/-0.007 χ^2/NDF: 4466823.2/32

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

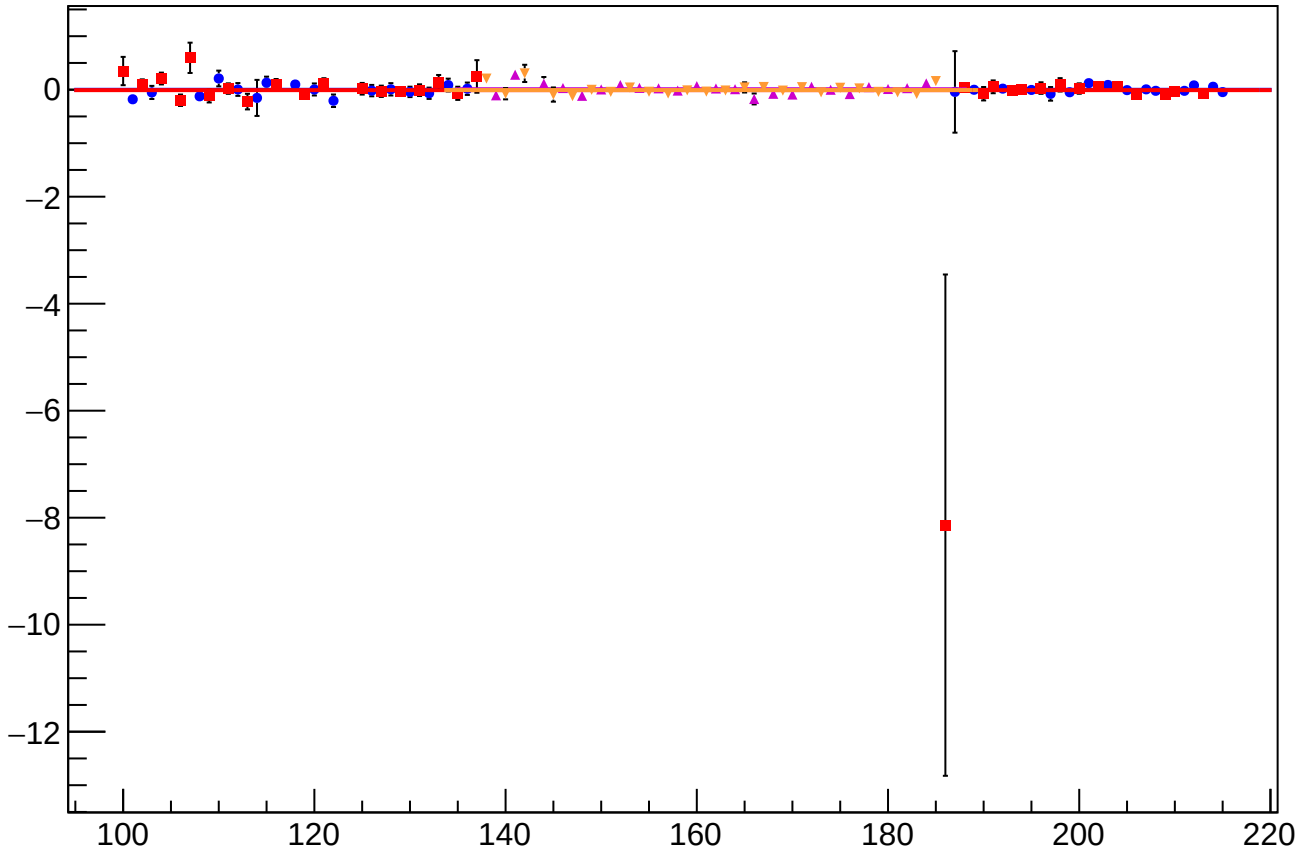
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 37.717+/-0.005 χ^2/NDF: 7766299.5/63

In: 39.365+/-0.005 χ^2/NDF:5072474.6/53

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

All: 39.587+/-0.004 χ^2/NDF: 11490414.7/110



Right In: -0.002+/-0.014 χ^2/NDF: 28.2/30

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.008+/-0.015 χ^2/NDF: 37.1/32

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

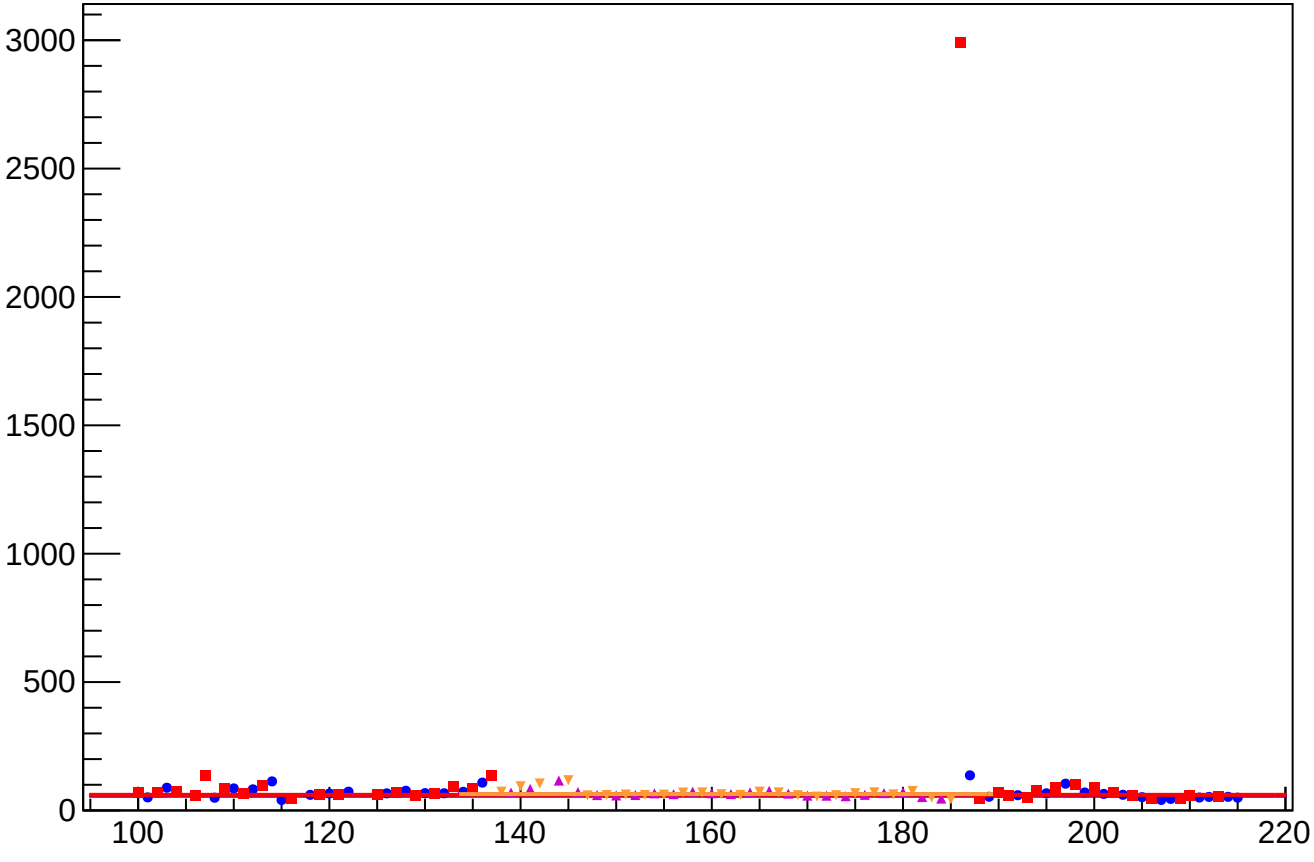
Right: -0.005+/-0.010 χ^2/NDF: 65.4/63

In: 0.002+/-0.010 χ^2/NDF:56.5/53

Out: -0.007+/-0.011 χ^2/NDF:60.8/56

All: -0.002+/-0.008 χ^2/NDF: 117.7/110

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.441+/-0.010 χ^2/NDF: 1905219.3/30

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 60.837+/-0.011 χ^2/NDF: 2745393.5/32

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

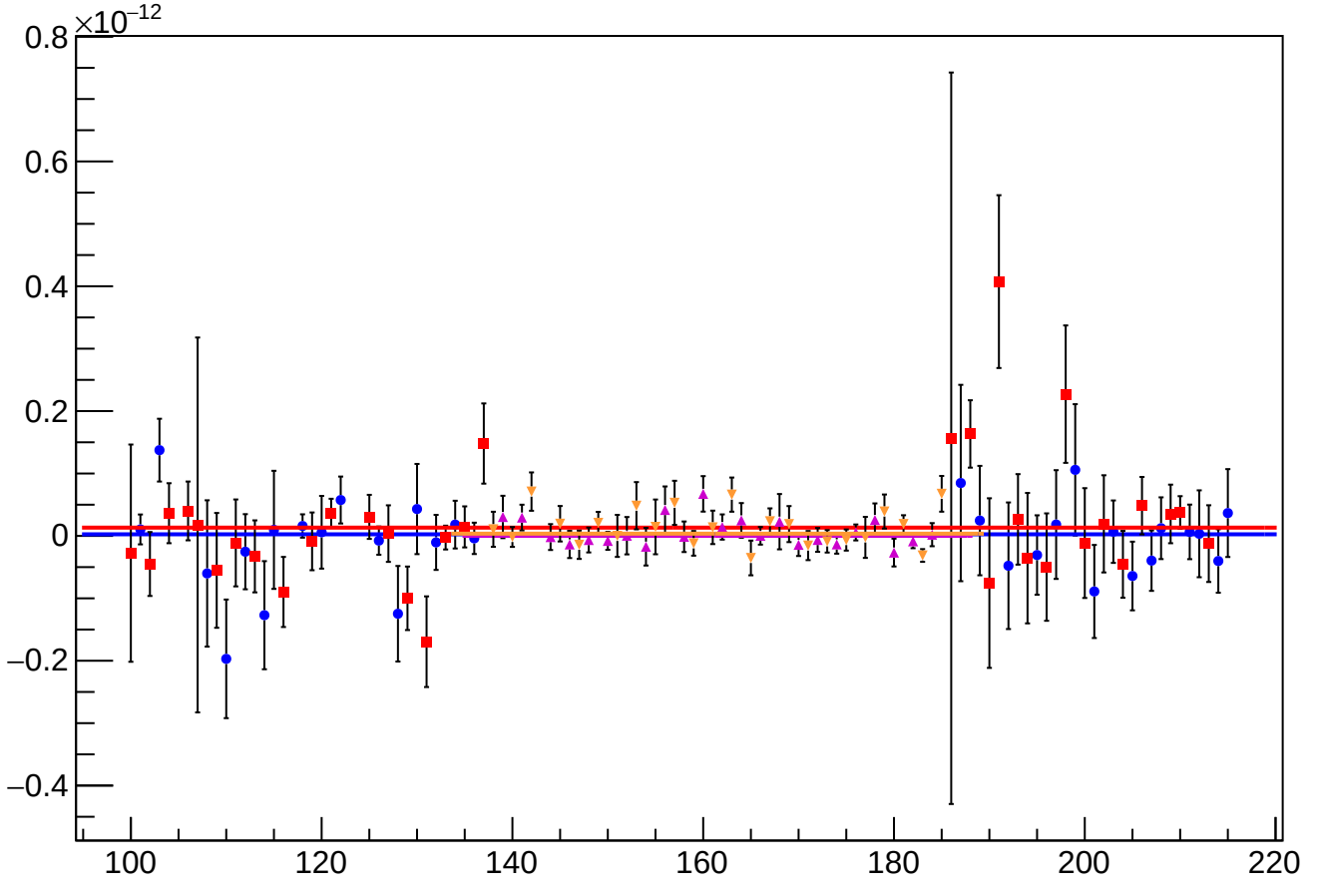
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 59.007+/-0.007 χ^2/NDF: 4703759.2/63

In: 60.440+/-0.007 χ^2/NDF:2941667.6/53

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

All: 61.333+/-0.005 χ^2/NDF: 6832997.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 48.5/32

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

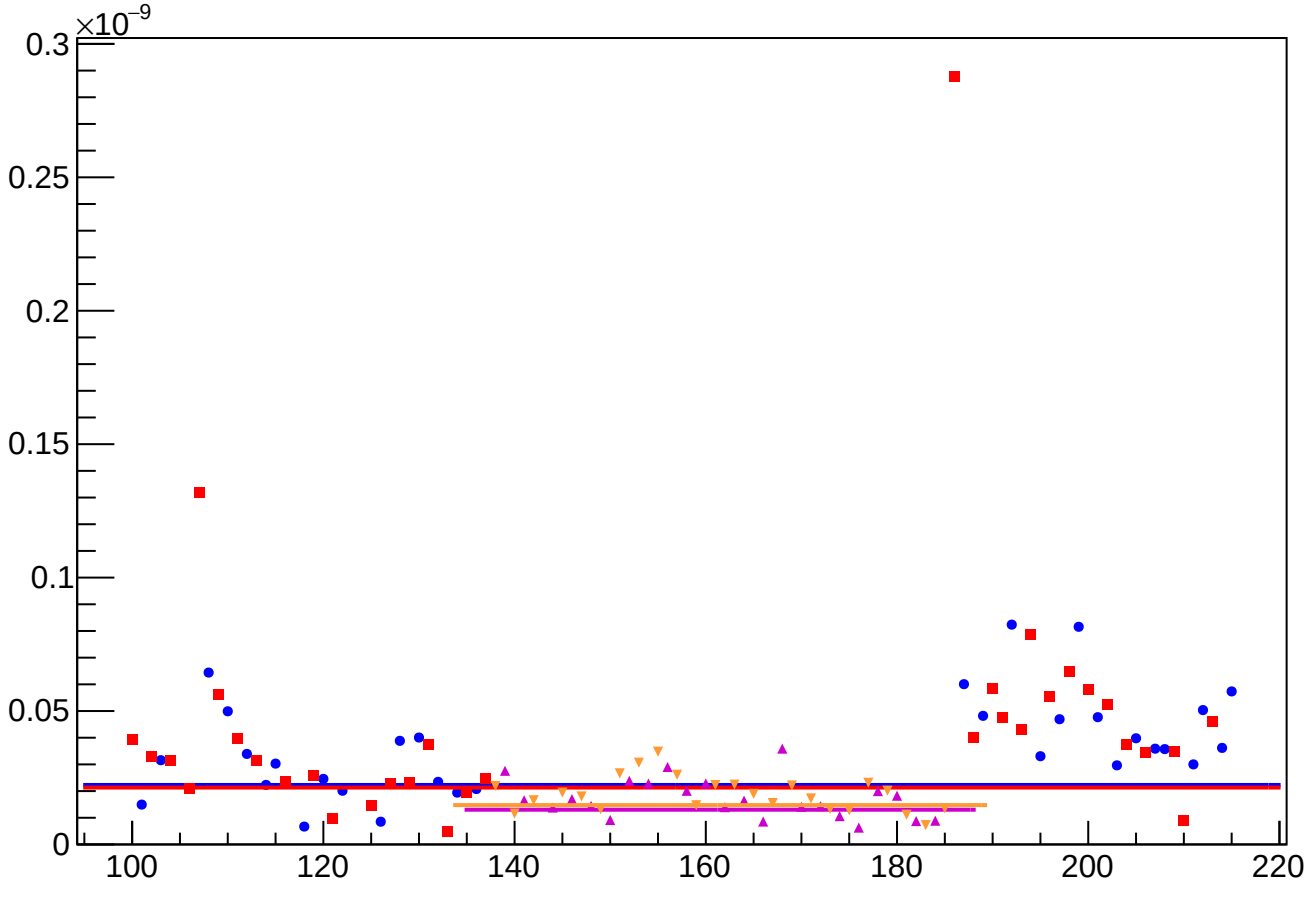
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 76.6/63

In: 0.000+/-0.000 χ^2/NDF:44.5/53

Out: 0.000+/-0.000 χ^2/NDF:90.2/56

All: 0.000+/-0.000 χ^2/NDF: 135.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 6808168.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7401694.8/32

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

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

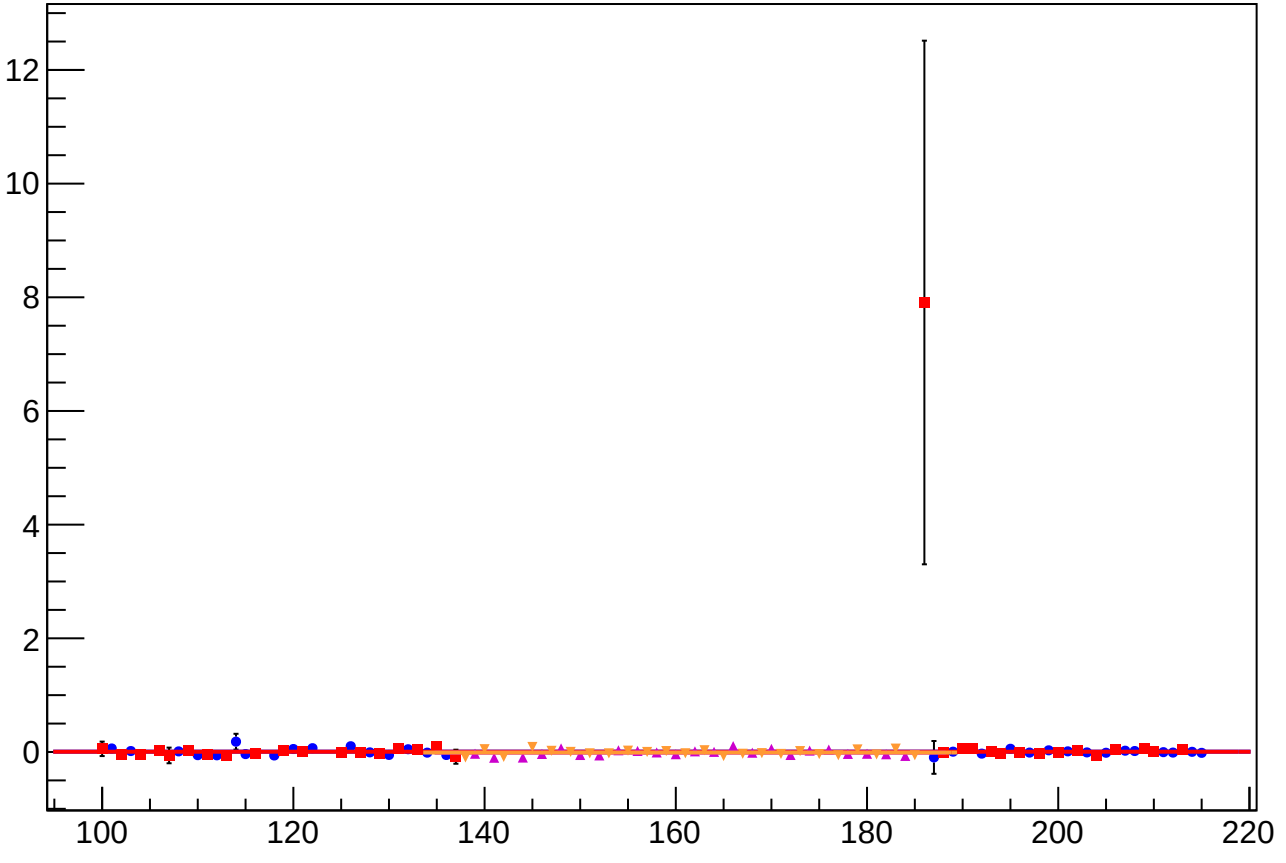
Right: 0.000+/-0.000 χ^2/NDF: 14224102.2/63

In: 0.000+/-0.000 χ^2/NDF:12874383.9/53

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

All: 0.000+/-0.000 χ^2/NDF: 24911512.6/110

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 20.4/30

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.005+/-0.008 χ^2/NDF: 29.4/32

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

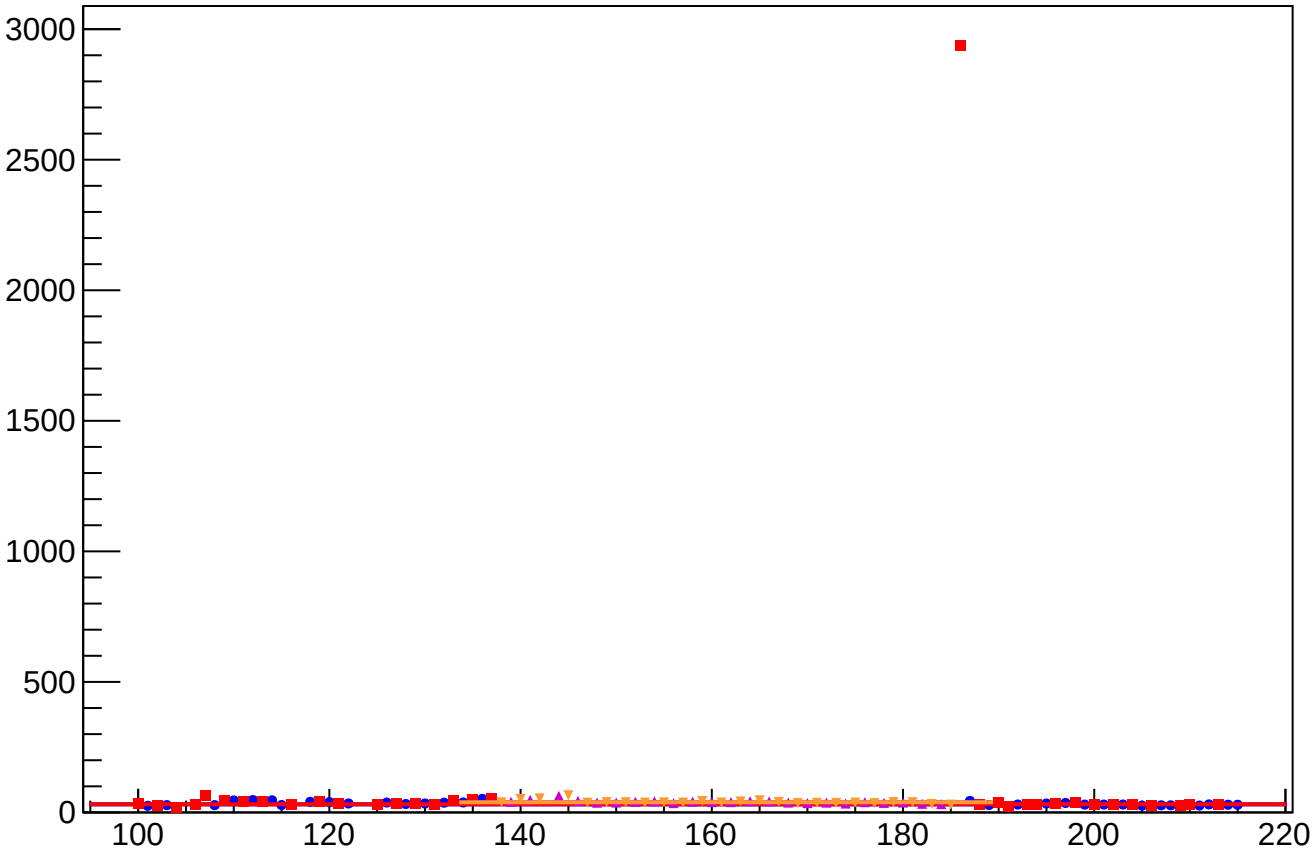
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.005+/-0.005 χ^2/NDF: 49.8/63

In: -0.001+/-0.006 χ^2/NDF:45.6/53

Out: -0.001+/-0.006 χ^2/NDF:50.2/56

All: -0.001+/-0.004 χ^2/NDF: 95.8/110



Right In: 30.912+/-0.005 χ^2/NDF: 971524.9/30

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.437+/-0.006 χ^2/NDF: 1986337.1/32

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

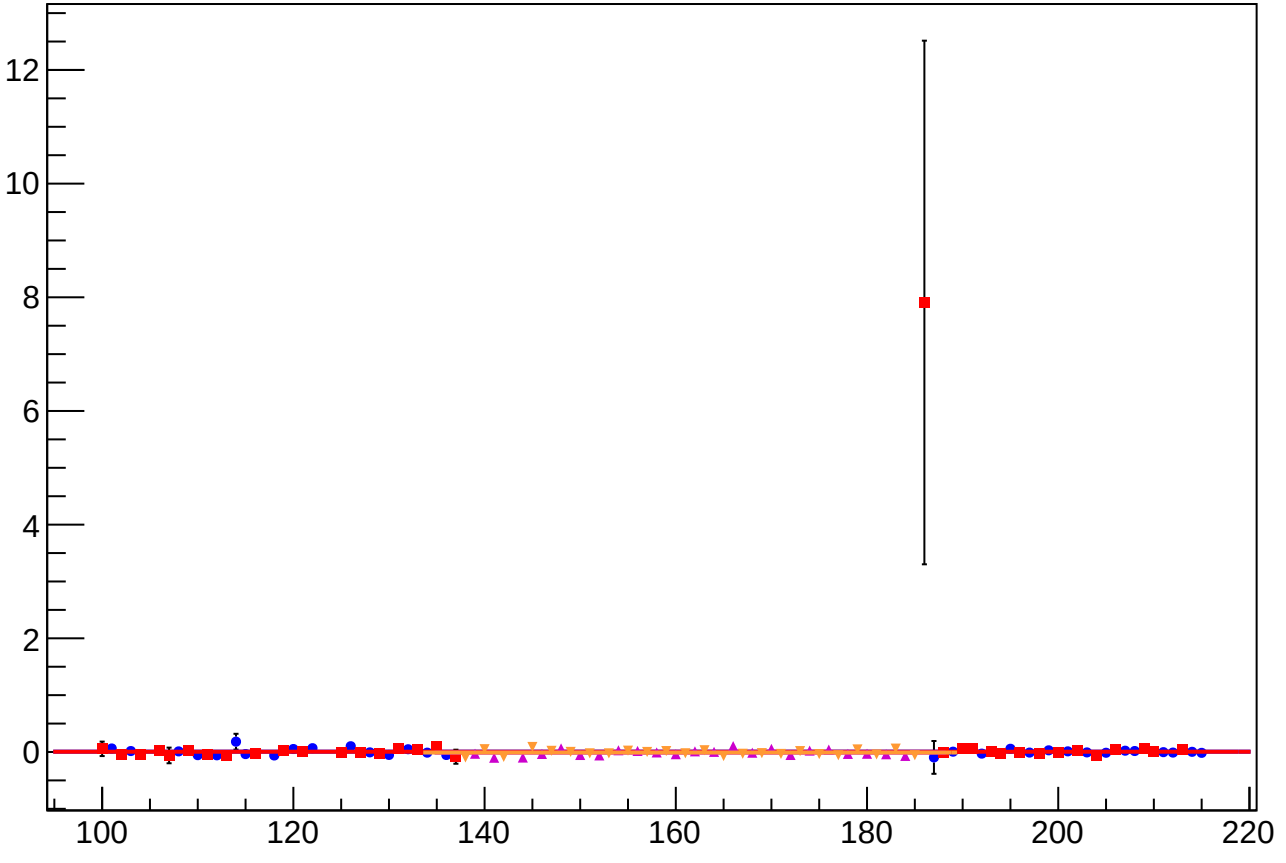
Right: 31.165+/-0.004 χ^2/NDF: 2962568.6/63

In: 34.065+/-0.004 χ^2/NDF:2418408.8/53

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

All: 34.267+/-0.003 χ^2/NDF: 5790480.7/110

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 20.4/30

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.005+/-0.008 χ^2/NDF: 29.4/32

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

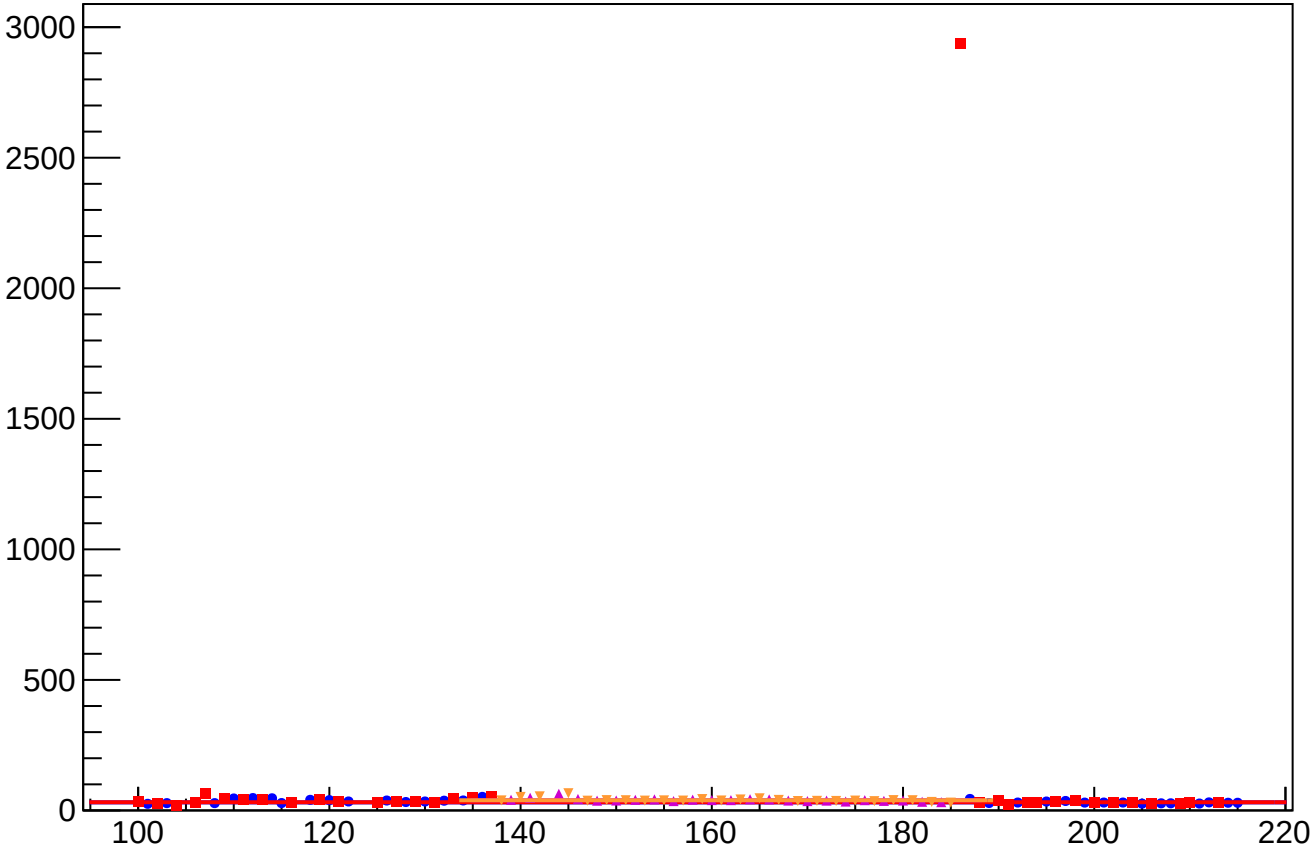
Right: 0.005+/-0.005 χ^2/NDF: 49.8/63

In: -0.001+/-0.006 χ^2/NDF:45.6/53

Out: -0.001+/-0.006 χ^2/NDF:50.2/56

All: -0.001+/-0.004 χ^2/NDF: 95.8/110

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.912+/-0.005 χ^2/NDF: 971524.9/30

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.437+/-0.006 χ^2/NDF: 1986337.1/32

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

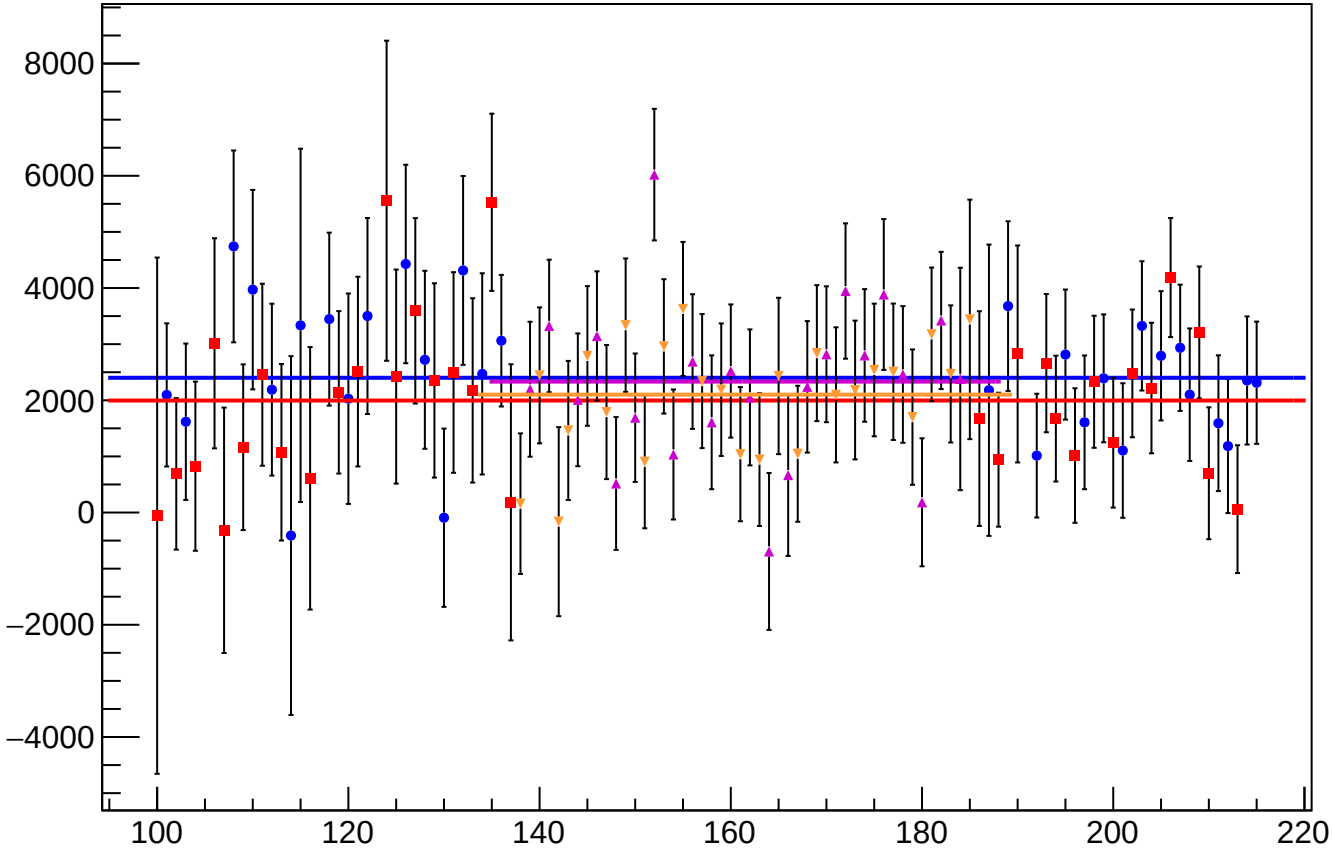
Right: 31.165+/-0.004 χ^2/NDF: 2962568.6/63

In: 34.065+/-0.004 χ^2/NDF:2418408.8/53

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

All: 34.267+/-0.003 χ^2/NDF: 5790480.7/110

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2401.027+/-247.780 χ^2/NDF: 16.8/30

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1995.846+/-253.046 χ^2/NDF: 24.8/32

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

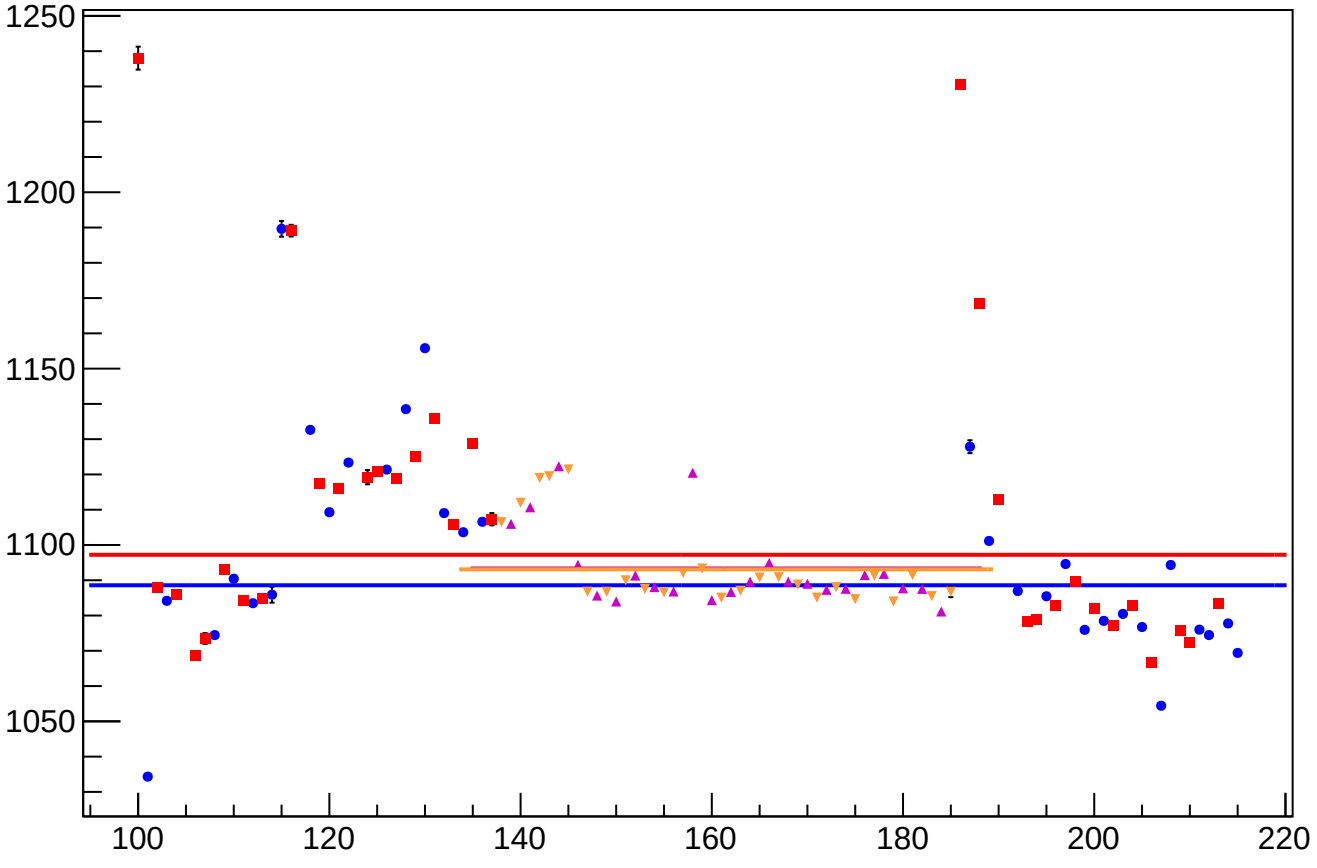
Right: 2202.696+/-177.040 χ^2/NDF: 42.9/63

In: 2368.006+/-177.801 χ^2/NDF:46.3/53

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

All: 2208.046+/-125.522 χ^2/NDF: 86.7/111

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1088.582+/-0.175 χ^2/NDF: 20248.6/30

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.219+/-0.179 χ^2/NDF: 33027.1/32

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

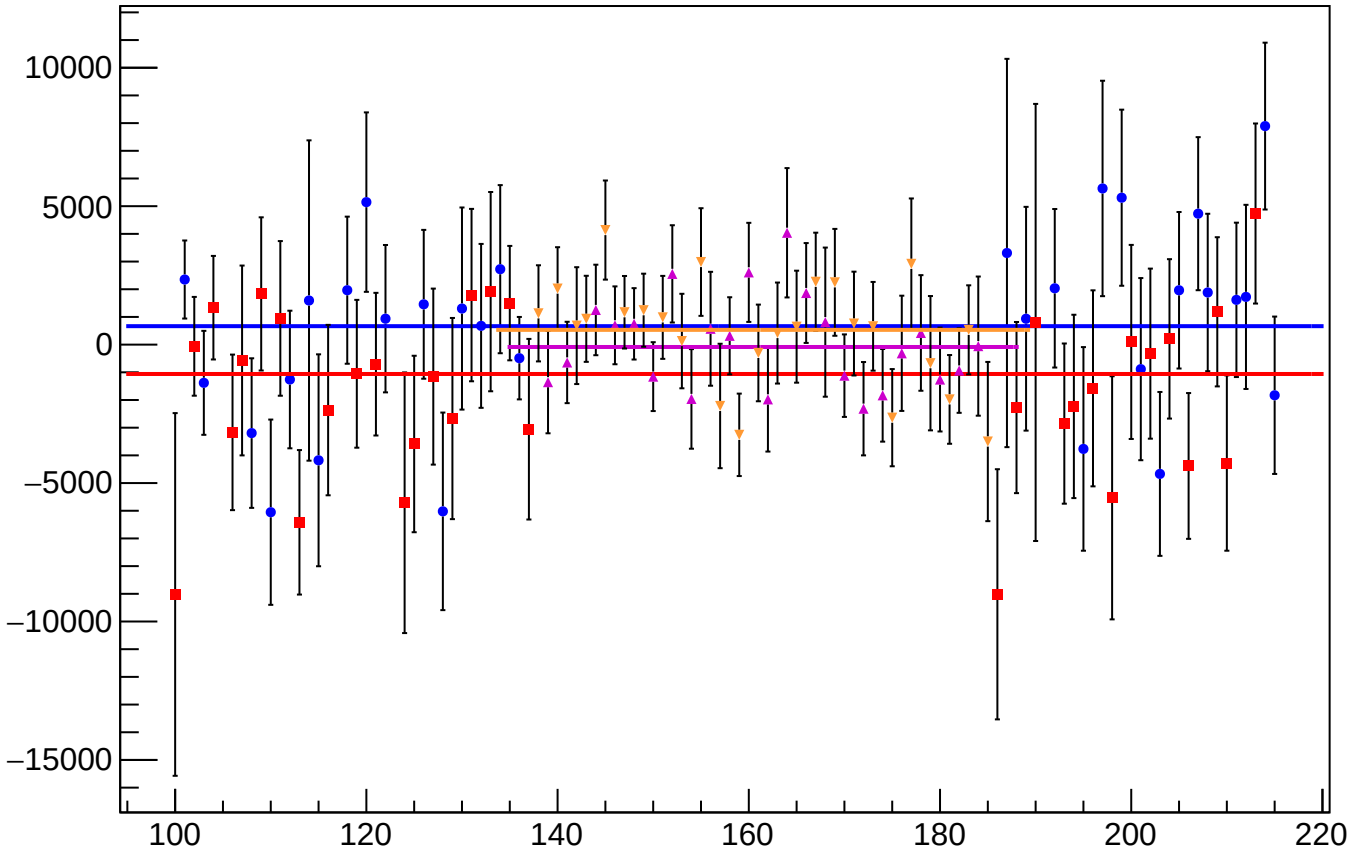
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1092.809+/-0.125 χ^2/NDF: 54465.3/63

In: 1090.889+/-0.126 χ^2/NDF:24331.9/53

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

All: 1093.012+/-0.089 χ^2/NDF: 62180.3/111



Right In: 666.591+/-493.894 χ^2/NDF: 36.1/30

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1060.495+/-515.618 χ^2/NDF: 27.0/32

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

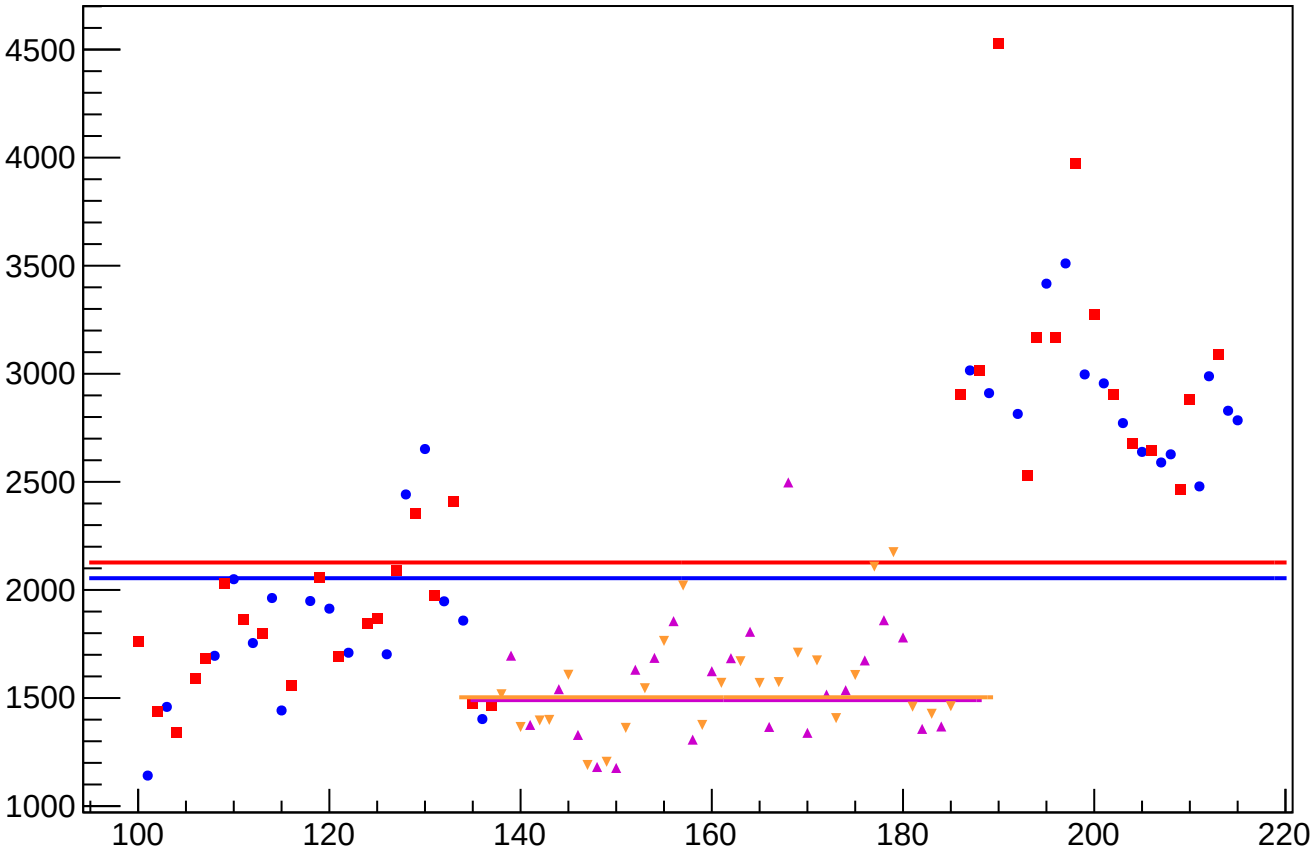
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -159.803+/-356.668 χ^2/NDF: 69.0/63

In: 169.796+/-287.690 χ^2/NDF:55.7/53

Out: 35.822+/-288.007 χ^2/NDF:60.0/57

All: 102.883+/-203.539 χ^2/NDF: 115.9/111



Right In: 2054.346+/-0.349 χ^2/NDF: 3679668.9/30

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2126.998+/-0.365 χ^2/NDF: 3258333.1/32

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

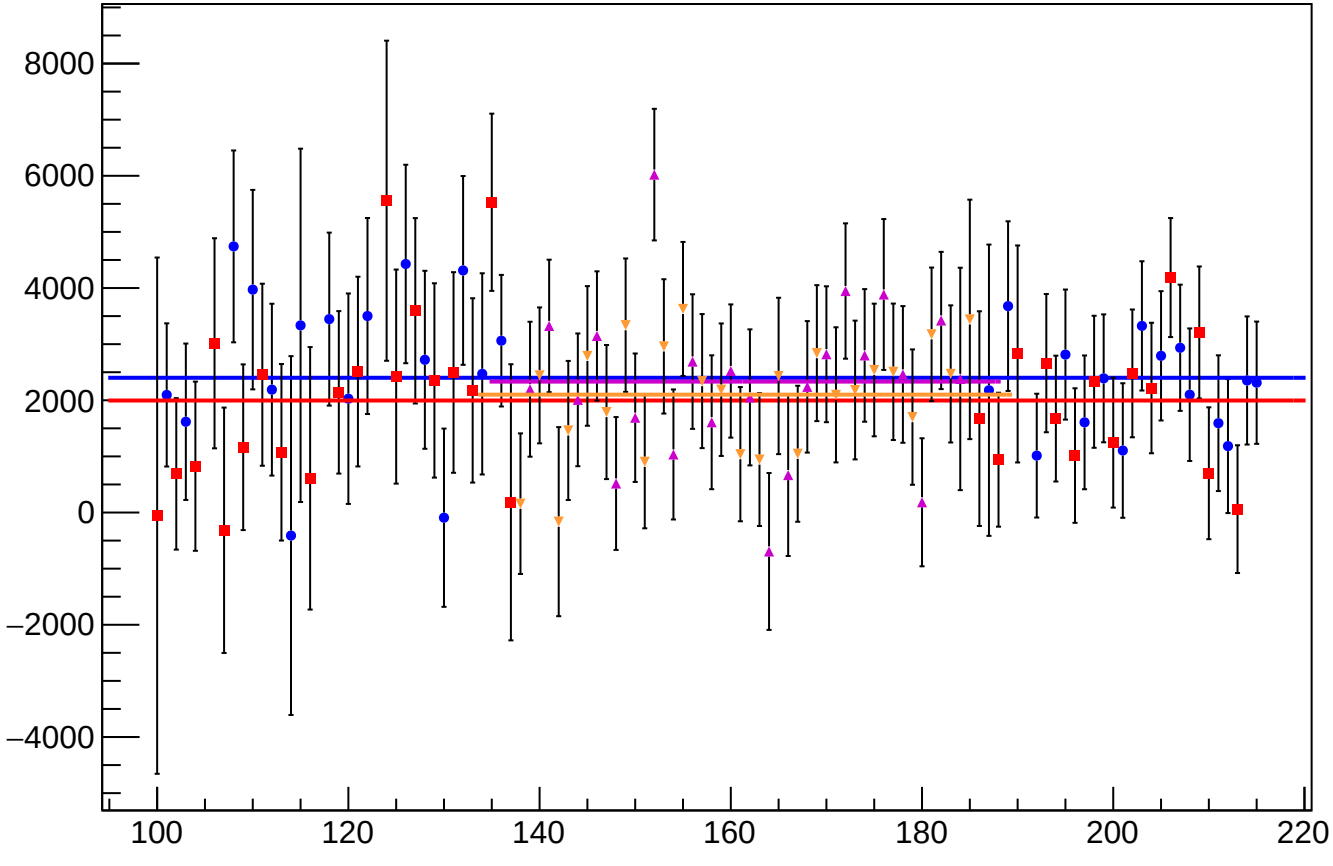
Right: 2089.109+/-0.252 χ^2/NDF: 6958709.4/63

In: 1681.689+/-0.203 χ^2/NDF:6371247.0/53

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

All: 1689.829+/-0.144 χ^2/NDF: 12444891.3/1

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2401.027+/-247.780 χ^2/NDF: 16.8/30

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1995.846+/-253.046 χ^2/NDF: 24.8/32

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

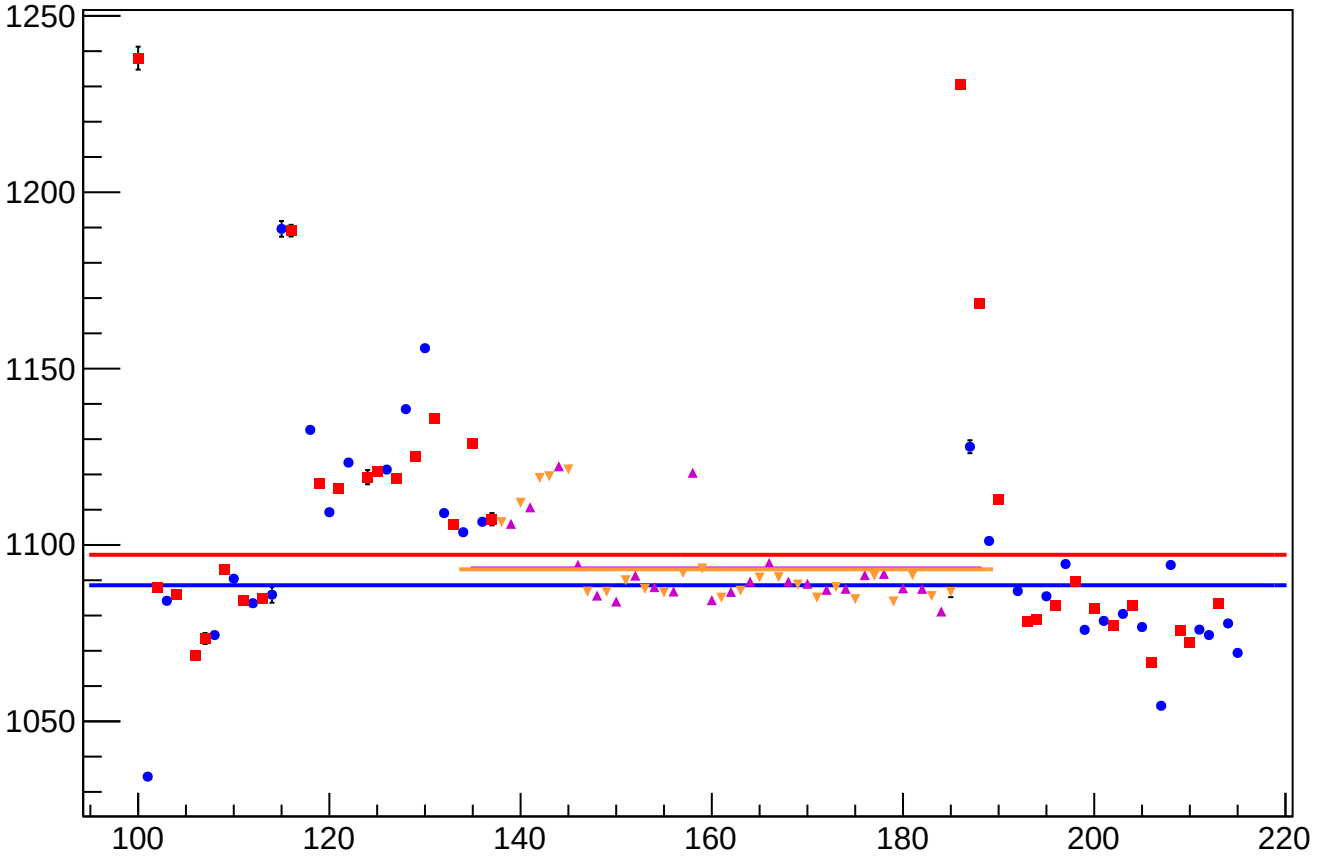
Right: 2202.696+/-177.040 χ^2/NDF: 42.9/63

In: 2368.006+/-177.801 χ^2/NDF:46.3/53

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

All: 2208.046+/-125.522 χ^2/NDF: 86.7/111

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1088.582+/-0.175 χ^2/NDF: 20248.6/30

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.219+/-0.179 χ^2/NDF: 33027.1/32

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

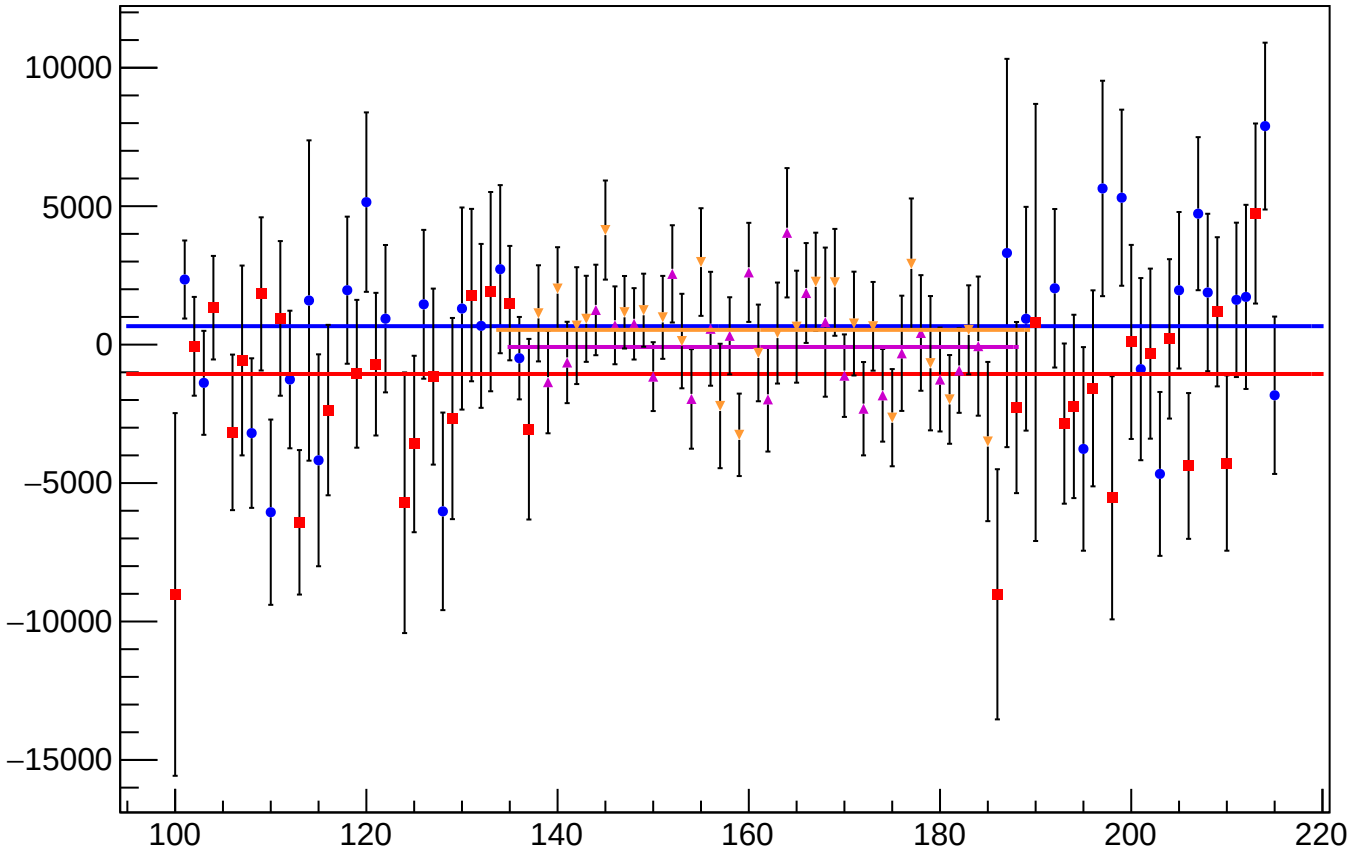
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1092.809+/-0.125 χ^2/NDF: 54465.3/63

In: 1090.889+/-0.126 χ^2/NDF:24331.9/53

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

All: 1093.012+/-0.089 χ^2/NDF: 62180.3/111



Right In: 666.591+/-493.894 χ^2/NDF: 36.1/30

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1060.495+/-515.618 χ^2/NDF: 27.0/32

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

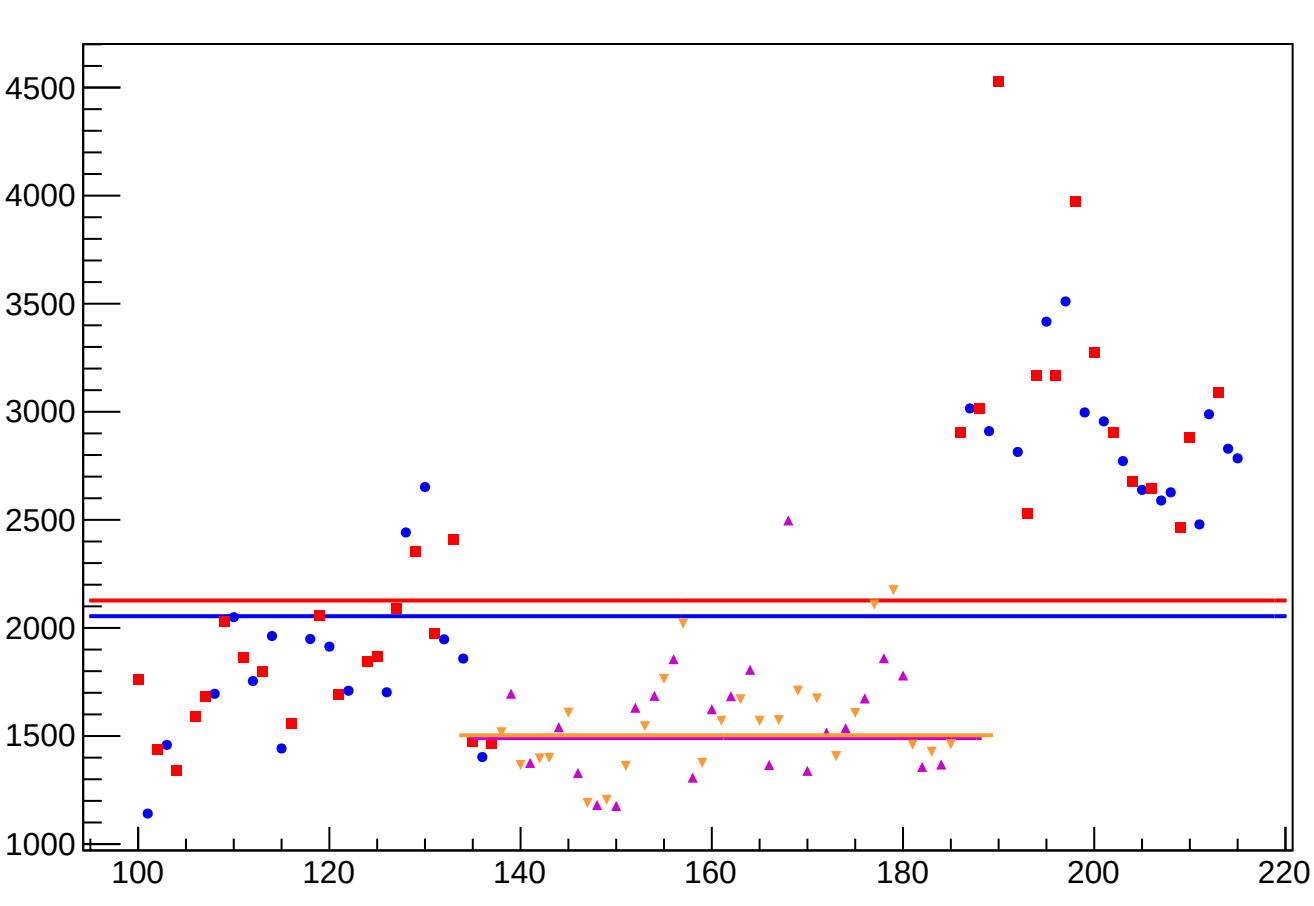
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -159.803+/-356.668 χ^2/NDF: 69.0/63

In: 169.796+/-287.690 χ^2/NDF:55.7/53

Out: 35.822+/-288.007 χ^2/NDF:60.0/57

All: 102.883+/-203.539 χ^2/NDF: 115.9/111



Right In: 2054.346+/-0.349 χ^2/NDF: 3679668.9/30

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2126.998+/-0.365 χ^2/NDF: 3258333.1/32

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

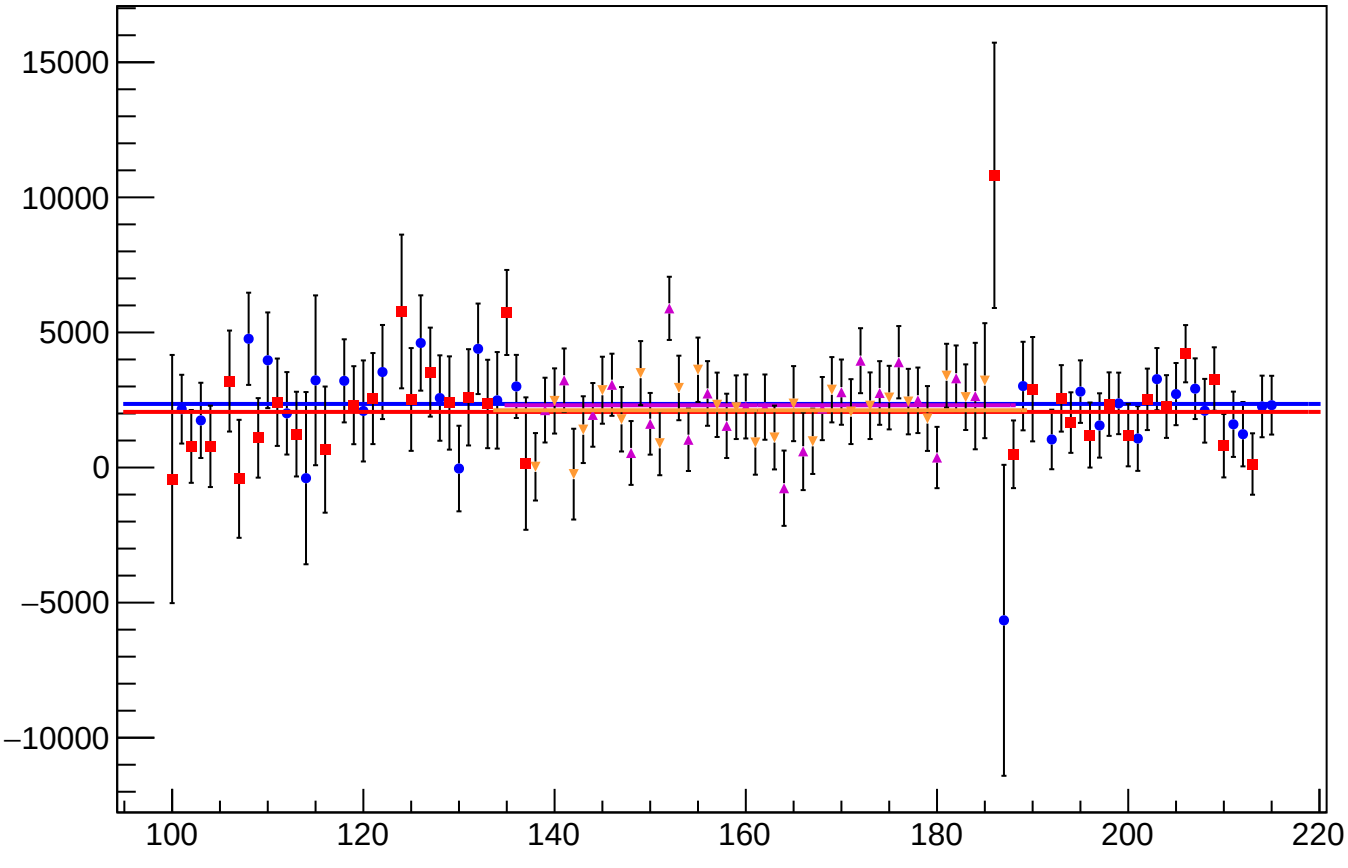
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2089.109+/-0.252 χ^2/NDF: 6958709.4/63

In: 1681.689+/-0.203 χ^2/NDF:6371247.0/53

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

All: 1689.829+/-0.144 χ^2/NDF: 12444891.3/1



Right In: 2354.030+/-248.773 χ^2/NDF: 18.0/30

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2058.734+/-255.137 χ^2/NDF: 29.4/32

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

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

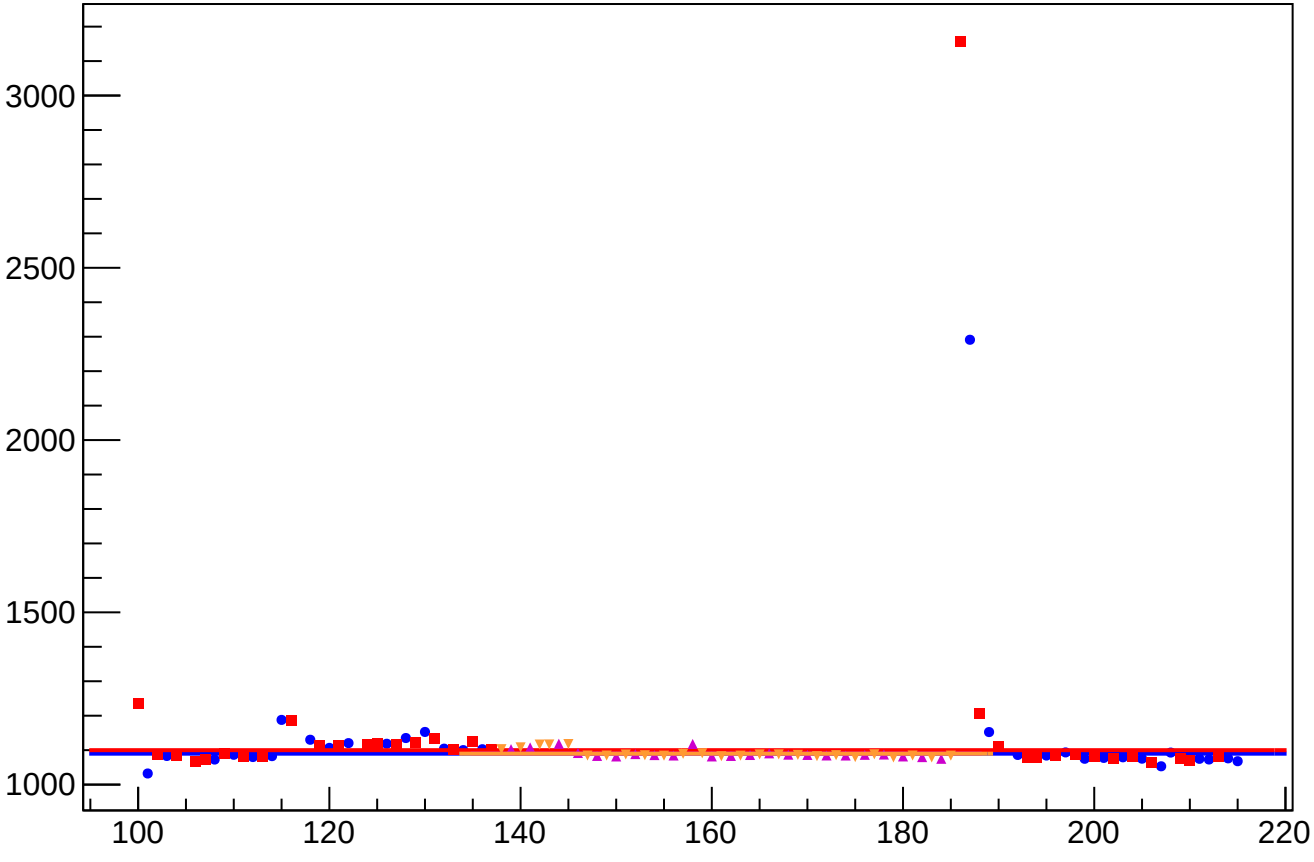
Right: 2210.111+/-178.117 χ^2/NDF: 48.1/63

In: 2330.274+/-177.899 χ^2/NDF:46.5/53

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

All: 2210.118+/-125.710 χ^2/NDF: 91.9/111

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1089.793+/-0.176 χ^2/NDF: 109493.4/30

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1099.942+/-0.180 χ^2/NDF: 382264.6/32

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

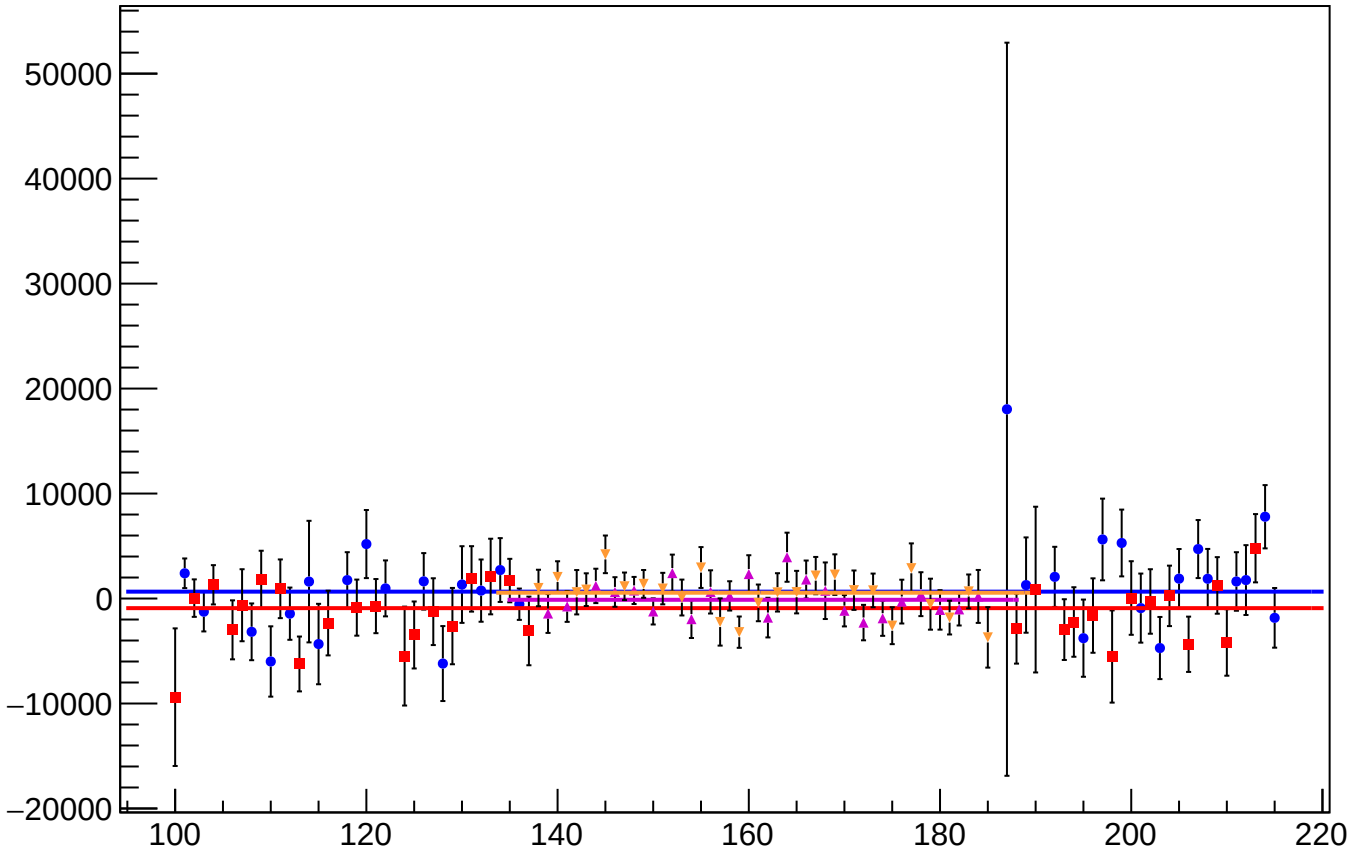
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1094.740+/-0.126 χ^2/NDF: 493380.2/63

In: 1089.877+/-0.126 χ^2/NDF:113389.9/53

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

All: 1092.286+/-0.089 χ^2/NDF: 502090.8/111



Right In: 655.060+/-496.280 χ^2/NDF: 36.4/30

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -916.446+/-520.414 χ^2/NDF: 24.0/31

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

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

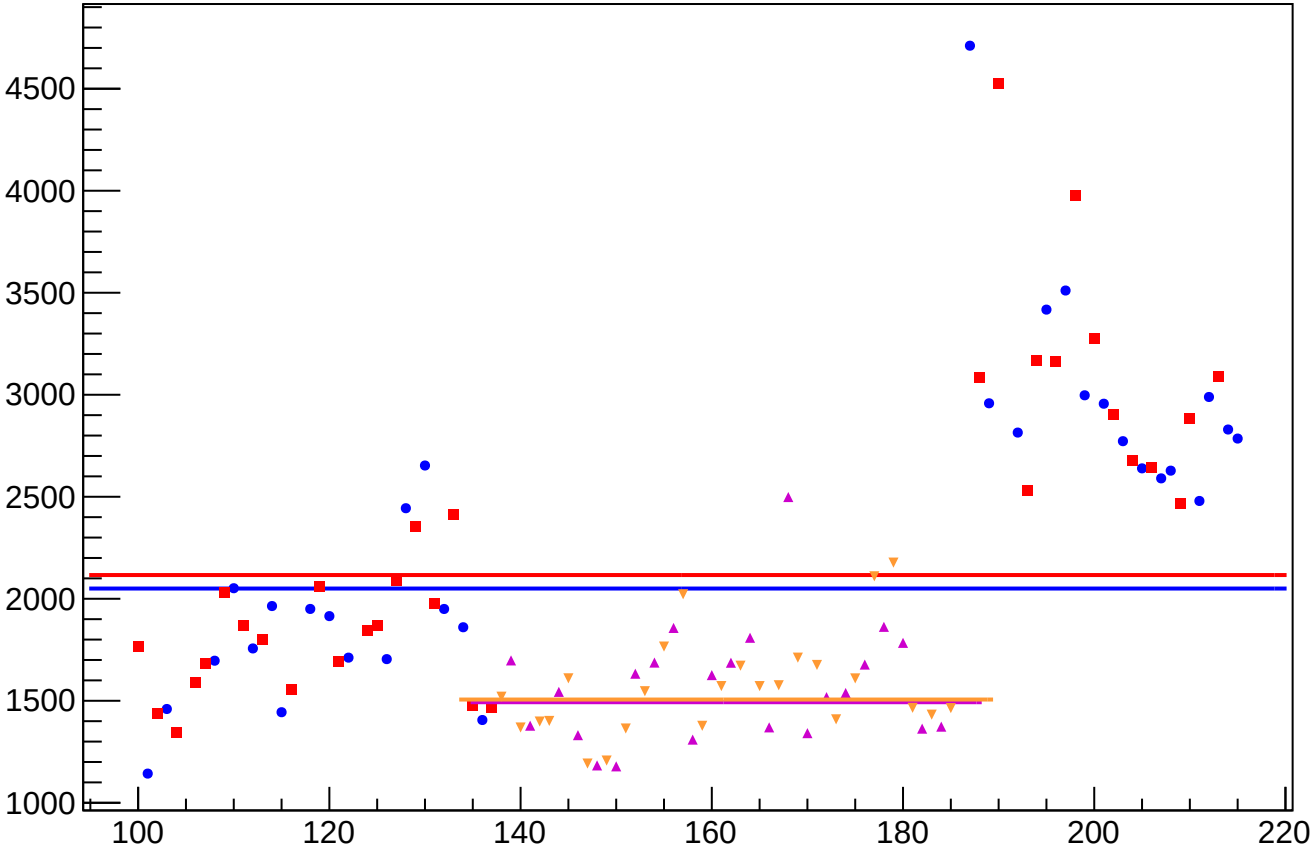
Right: -93.409+/-359.152 χ^2/NDF: 65.2/62

In: 140.958+/-288.486 χ^2/NDF:55.1/53

Out: 99.819+/-289.174 χ^2/NDF:55.7/56

All: 120.437+/-204.233 χ^2/NDF: 110.8/110

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 2050.153+/-0.351 χ^2/NDF: 3630124.0/30

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2116.321+/-0.368 χ^2/NDF: 3186551.1/31

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

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

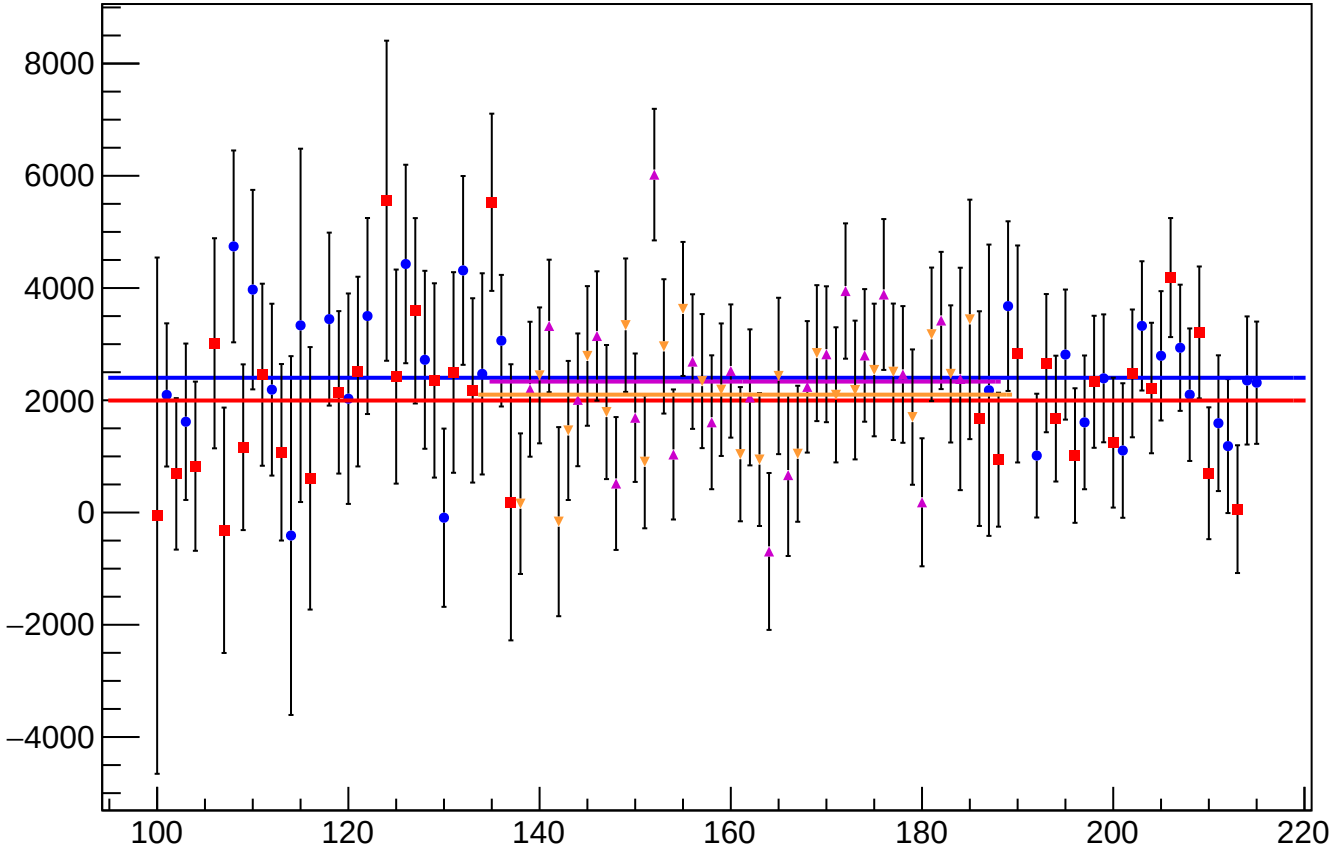
Right: 2081.667+/-0.254 χ^2/NDF: 6833607.9/62

In: 1681.250+/-0.204 χ^2/NDF:6263582.1/53

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

All: 1687.866+/-0.144 χ^2/NDF: 12149419.1/1

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2401.027+/-247.780 χ^2/NDF: 16.8/30

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1995.846+/-253.046 χ^2/NDF: 24.8/32

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

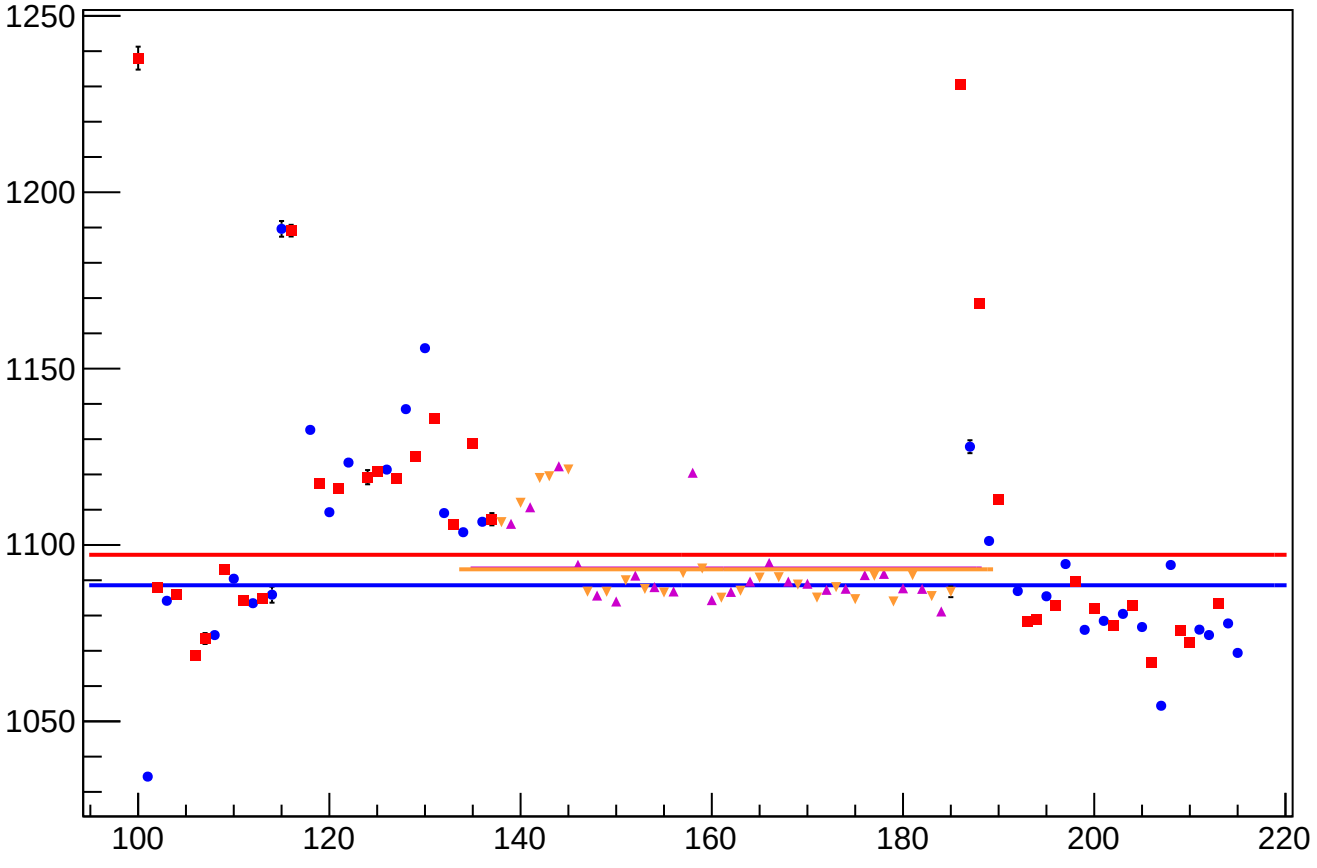
Right: 2202.696+/-177.040 χ^2/NDF: 42.9/63

In: 2368.006+/-177.801 χ^2/NDF:46.3/53

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

All: 2208.046+/-125.522 χ^2/NDF: 86.7/111

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1088.582+/-0.175 χ^2/NDF: 20248.6/30

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.219+/-0.179 χ^2/NDF: 33027.1/32

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

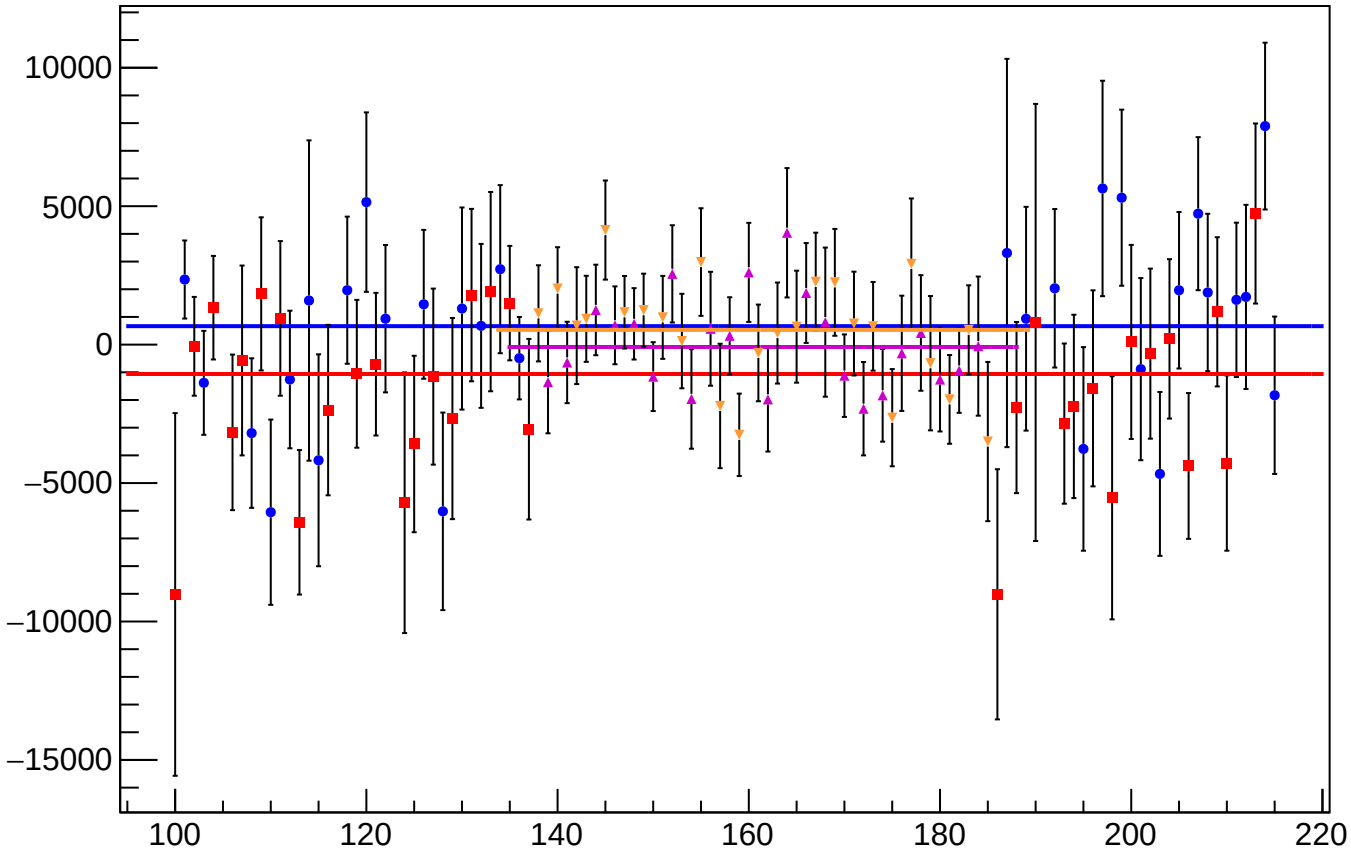
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1092.809+/-0.125 χ^2/NDF: 54465.3/63

In: 1090.889+/-0.126 χ^2/NDF:24331.9/53

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

All: 1093.012+/-0.089 χ^2/NDF: 62180.3/111



Right In: 666.591+/-493.894 χ^2/NDF: 36.1/30

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1060.495+/-515.618 χ^2/NDF: 27.0/32

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

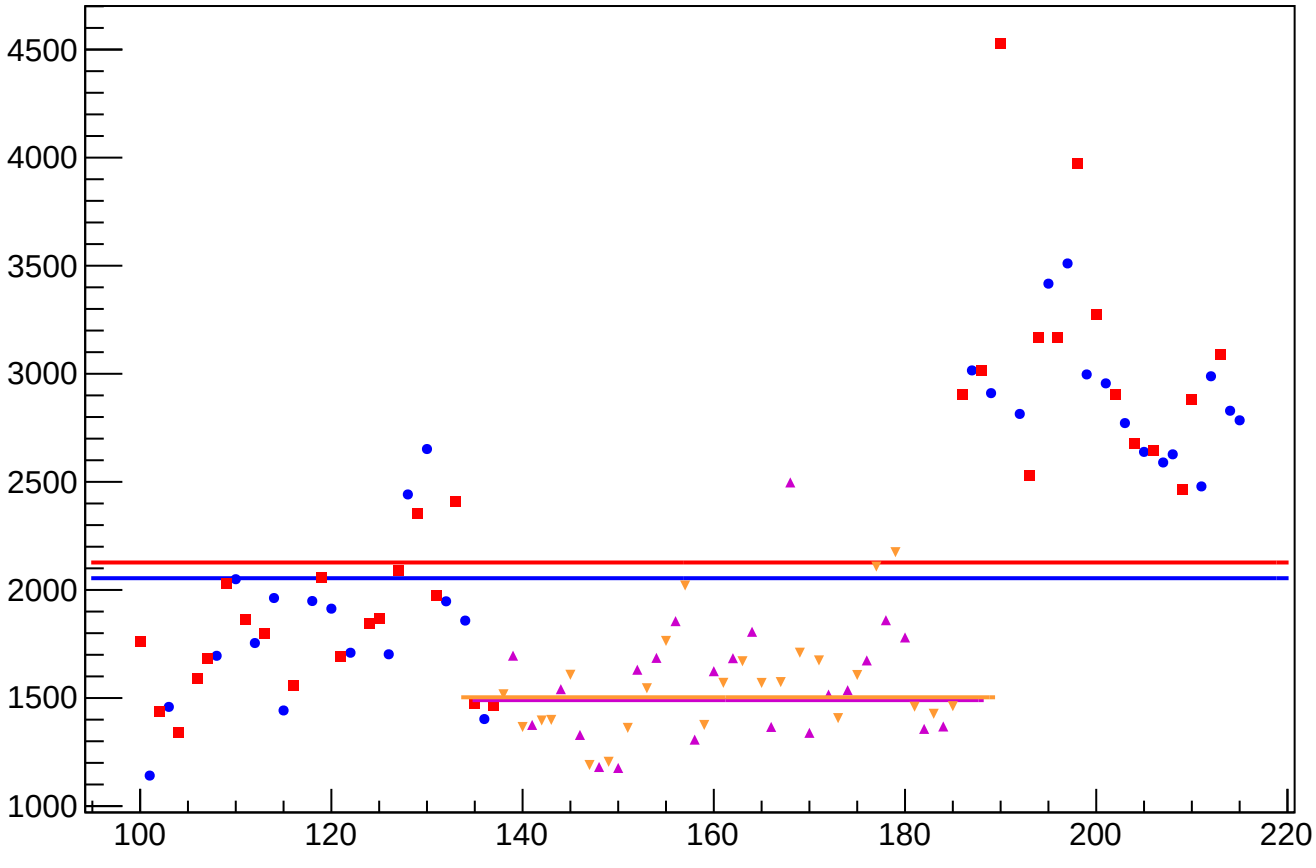
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -159.803+/-356.668 χ^2/NDF: 69.0/63

In: 169.796+/-287.690 χ^2/NDF:55.7/53

Out: 35.822+/-288.007 χ^2/NDF:60.0/57

All: 102.883+/-203.539 χ^2/NDF: 115.9/111



Right In: 2054.346+/-0.349 χ^2/NDF: 3679668.9/30

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2126.998+/-0.365 χ^2/NDF: 3258333.1/32

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

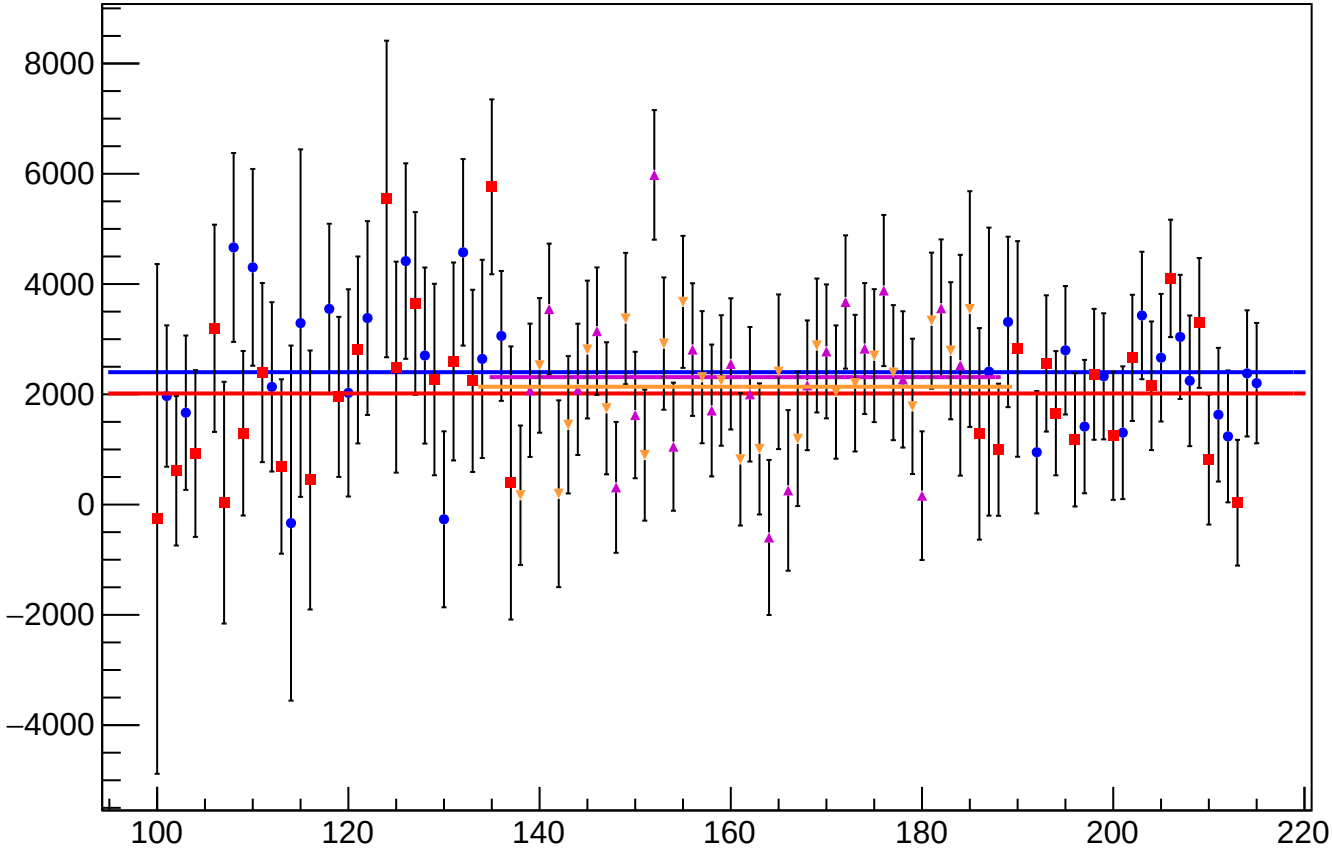
Right: 2089.109+/-0.252 χ^2/NDF: 6958709.4/63

In: 1681.689+/-0.203 χ^2/NDF:6371247.0/53

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

All: 1689.829+/-0.144 χ^2/NDF: 12444891.3/1

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2401.426+/-248.952 χ^2/NDF: 17.4/30

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2015.592+/-254.193 χ^2/NDF: 25.2/32

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

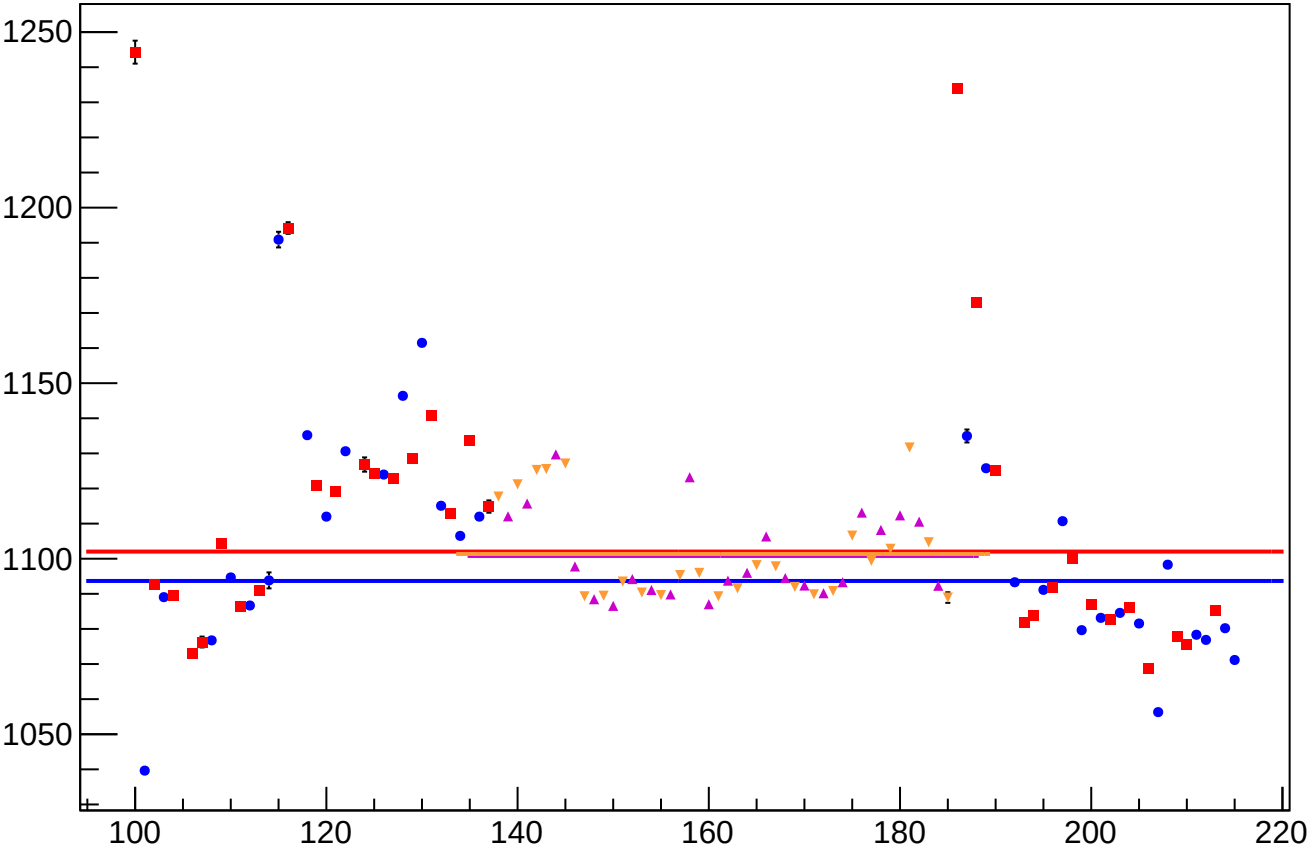
Right: 2212.527+/-177.860 χ^2/NDF: 43.7/63

In: 2358.026+/-178.825 χ^2/NDF:47.4/53

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

All: 2217.285+/-126.266 χ^2/NDF: 87.8/111

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1093.665+/-0.176 χ^2/NDF: 22155.5/30

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1102.031+/-0.180 χ^2/NDF: 33342.4/32

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

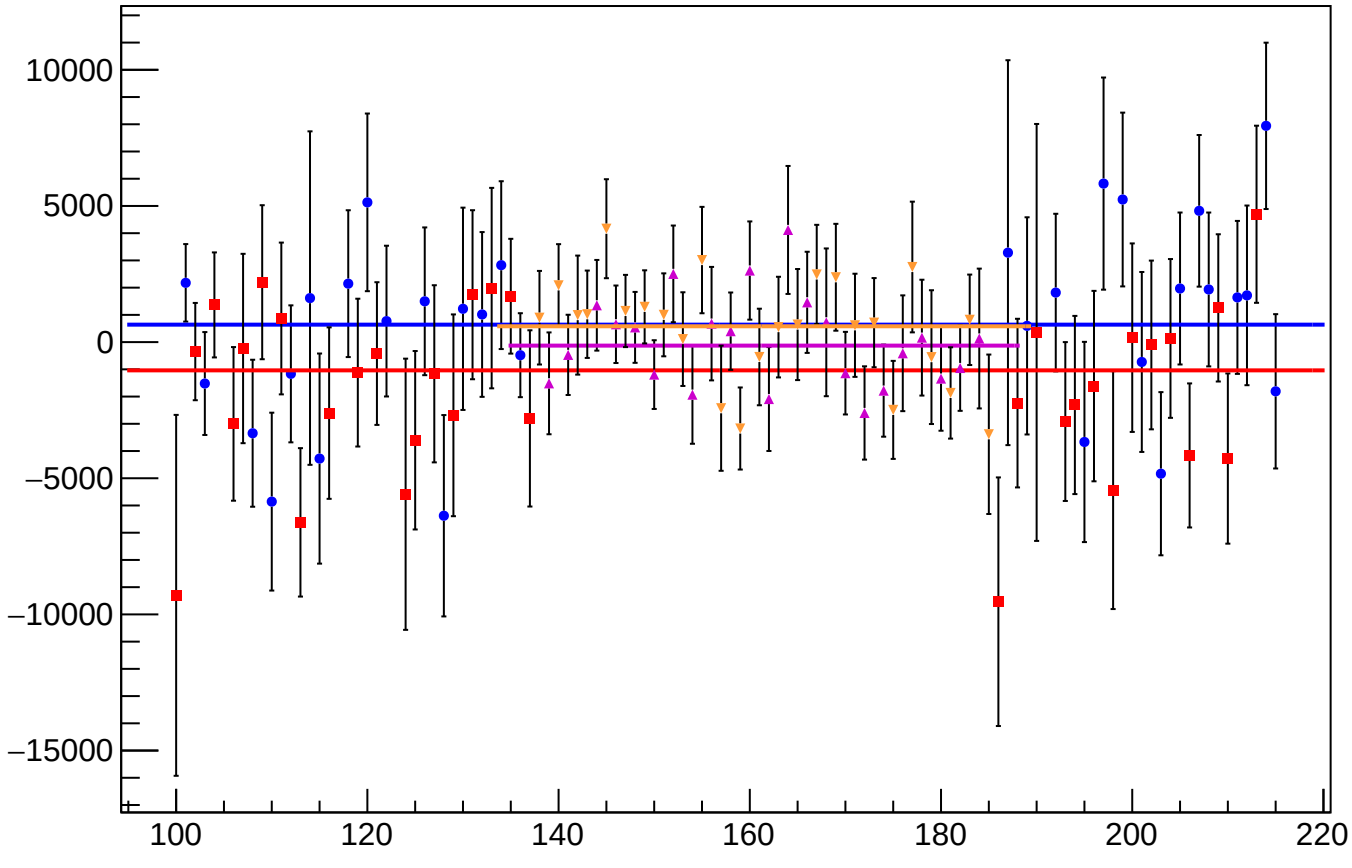
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1097.761+/-0.126 χ^2/NDF: 56603.7/63

In: 1097.115+/-0.126 χ^2/NDF:27590.8/53

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

All: 1099.407+/-0.089 χ^2/NDF: 67546.6/111



Right In: 641.124+/-499.285 χ^2/NDF: 36.2/30

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1037.696+/-521.339 χ^2/NDF: 27.1/32

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

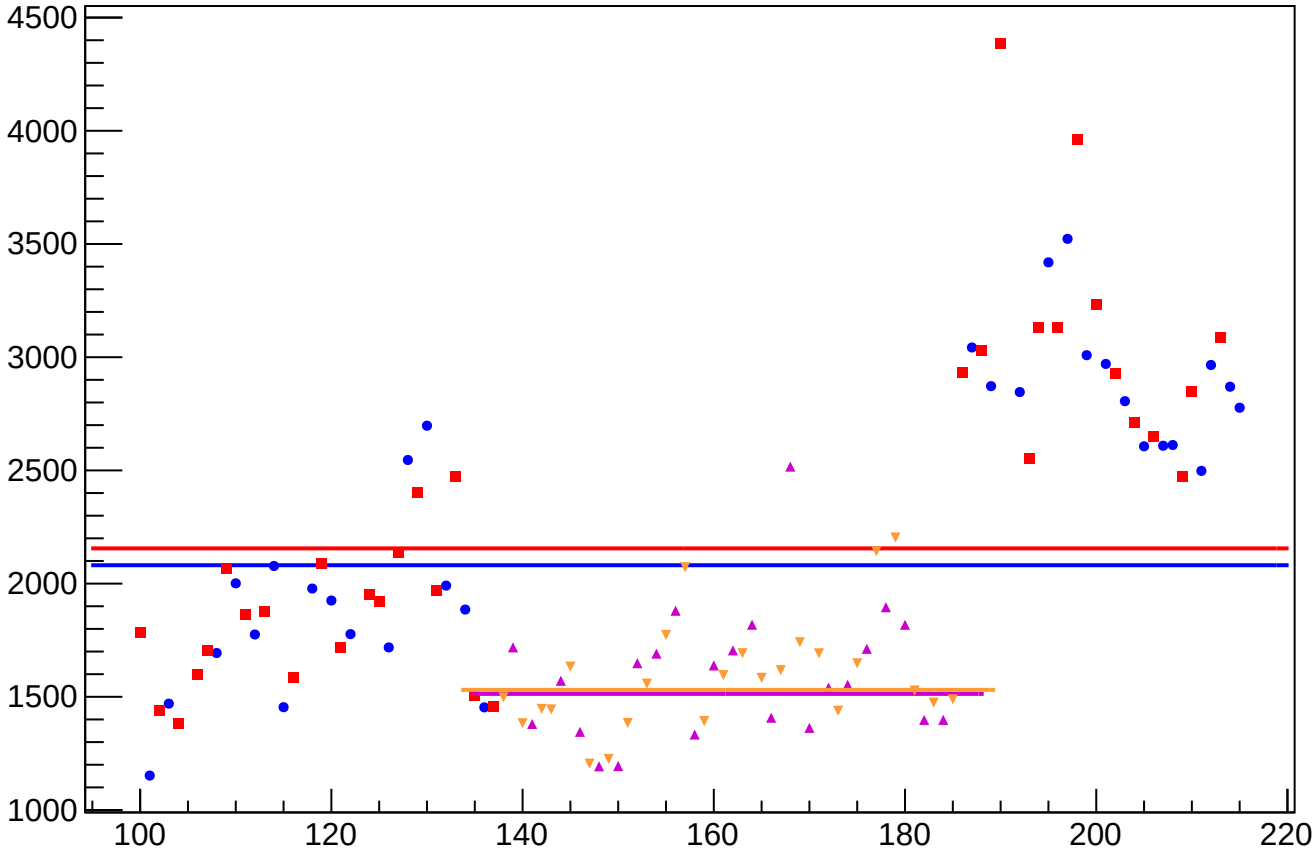
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -162.027+/-360.592 χ^2/NDF: 68.7/63

In: 133.738+/-291.544 χ^2/NDF:55.6/53

Out: 71.688+/-292.519 χ^2/NDF:59.1/57

All: 102.817+/-206.497 χ^2/NDF: 114.7/111



Right In: 2081.232+/-0.353 χ^2/NDF: 3561007.8/30

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2155.621+/-0.369 χ^2/NDF: 3106679.5/32

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

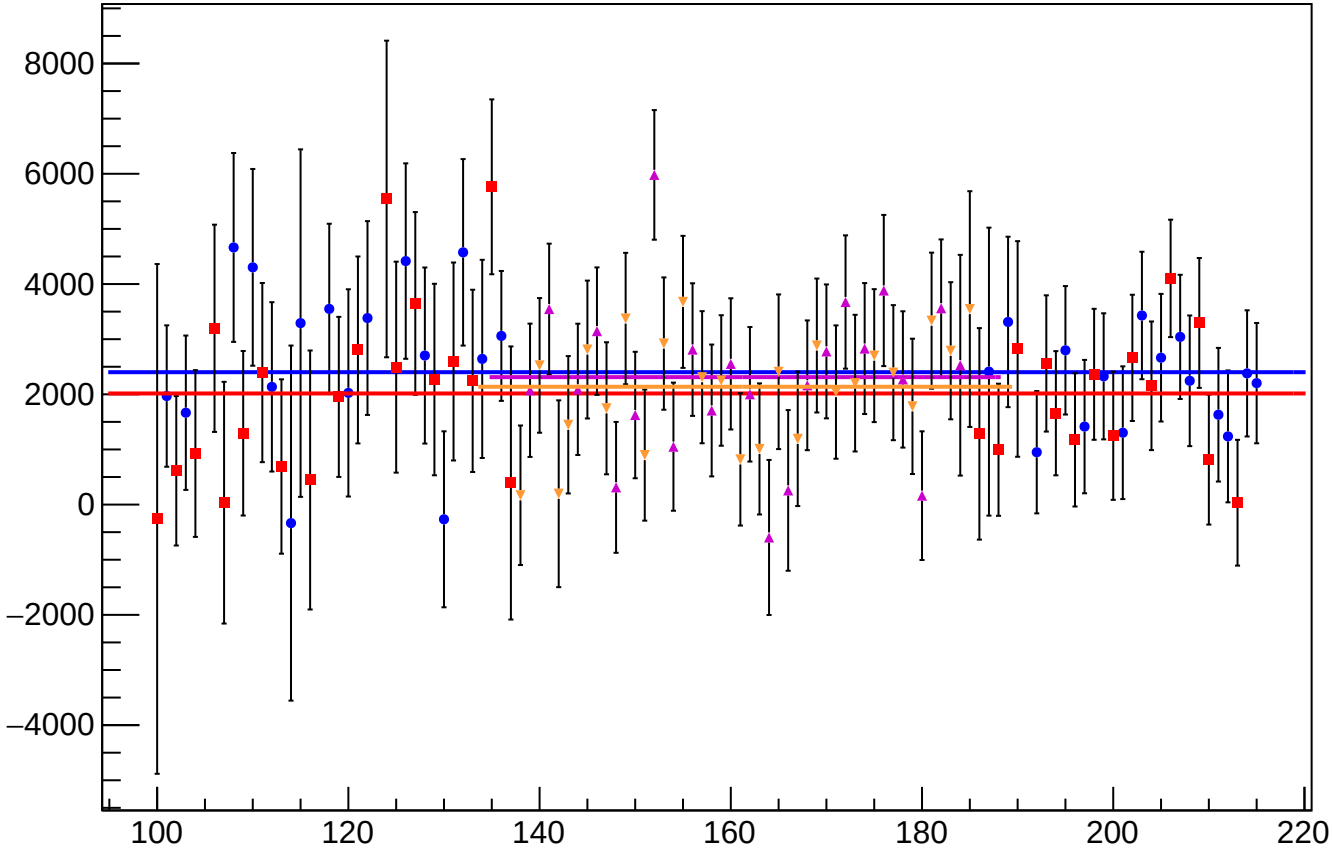
Right: 2116.820+/-0.255 χ^2/NDF: 6688926.5/63

In: 1706.712+/-0.206 χ^2/NDF:6225616.3/53

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

All: 1717.064+/-0.146 χ^2/NDF: 12101567.0/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2401.427+/-248.952 χ^2/NDF: 17.4/30

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2015.592+/-254.193 χ^2/NDF: 25.2/32

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

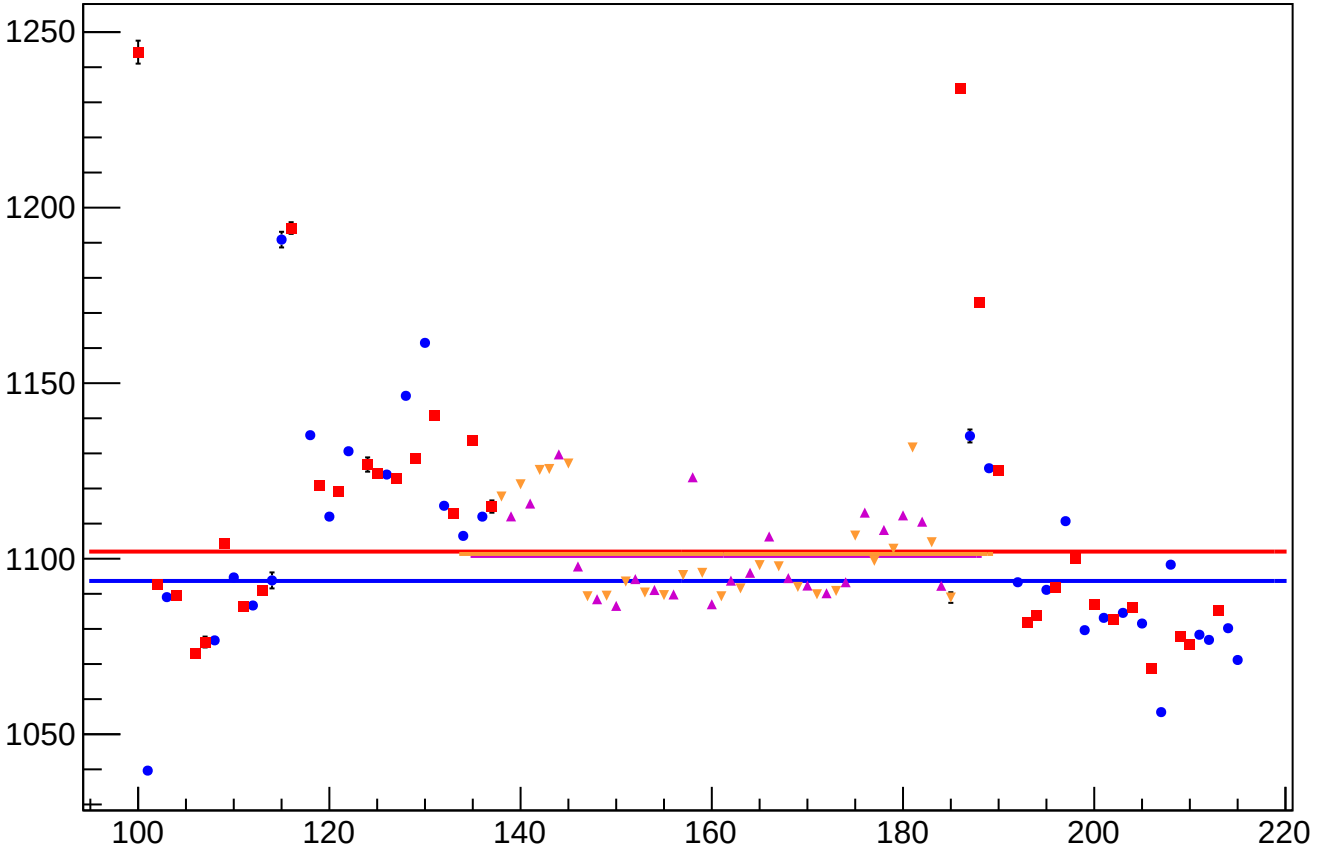
Right: 2212.528+/-177.860 χ^2/NDF: 43.7/63

In: 2358.026+/-178.825 χ^2/NDF:47.4/53

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

All: 2217.284+/-126.266 χ^2/NDF: 87.8/111

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1093.665+/-0.176 χ^2/NDF: 22155.3/30

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1102.031+/-0.180 χ^2/NDF: 33342.3/32

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

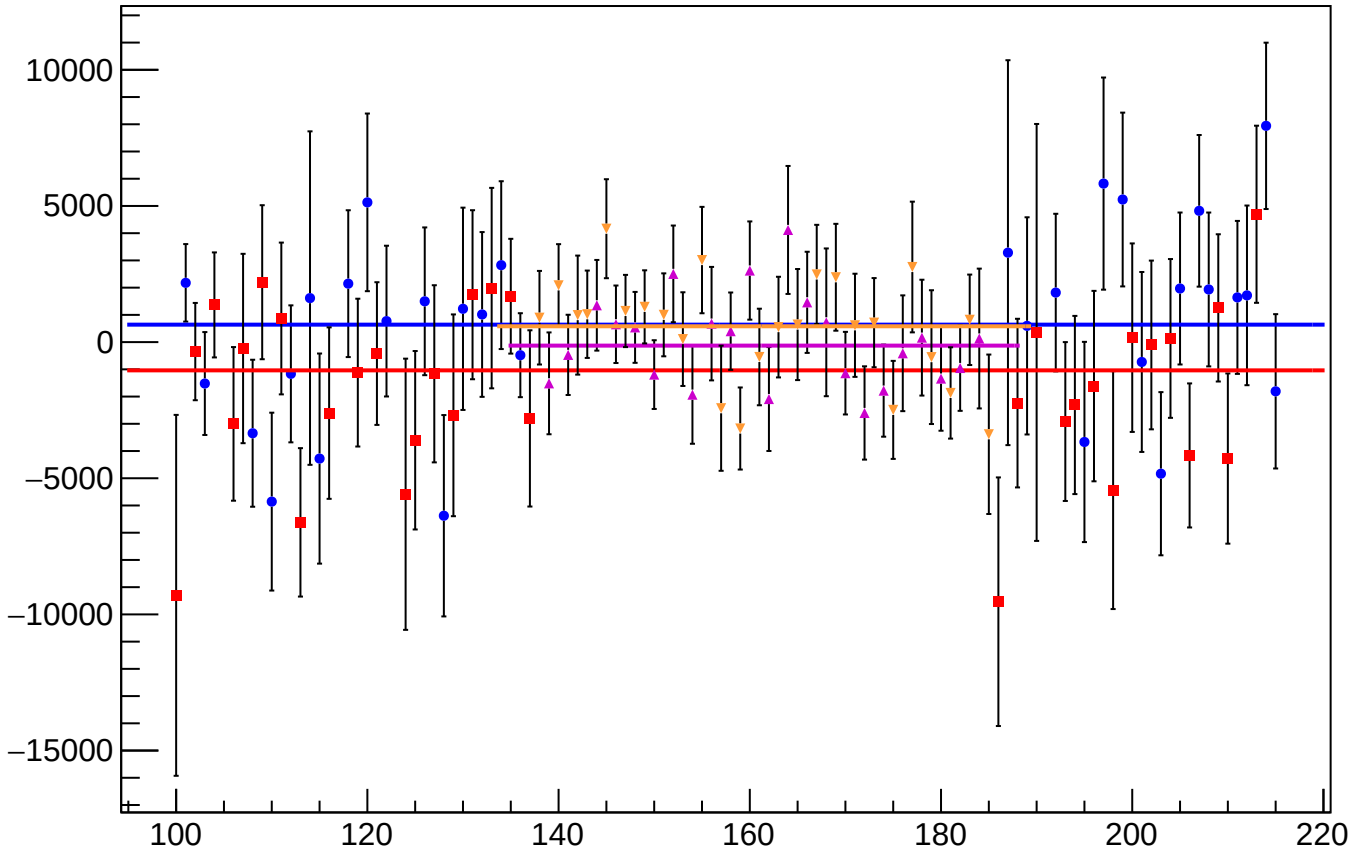
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1097.761+/-0.126 χ^2/NDF: 56603.5/63

In: 1097.115+/-0.126 χ^2/NDF:27590.6/53

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

All: 1099.407+/-0.089 χ^2/NDF: 67546.3/111



Right In: 641.119+/-499.285 χ^2/NDF: 36.2/30

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1037.696+/-521.338 χ^2/NDF: 27.1/32

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

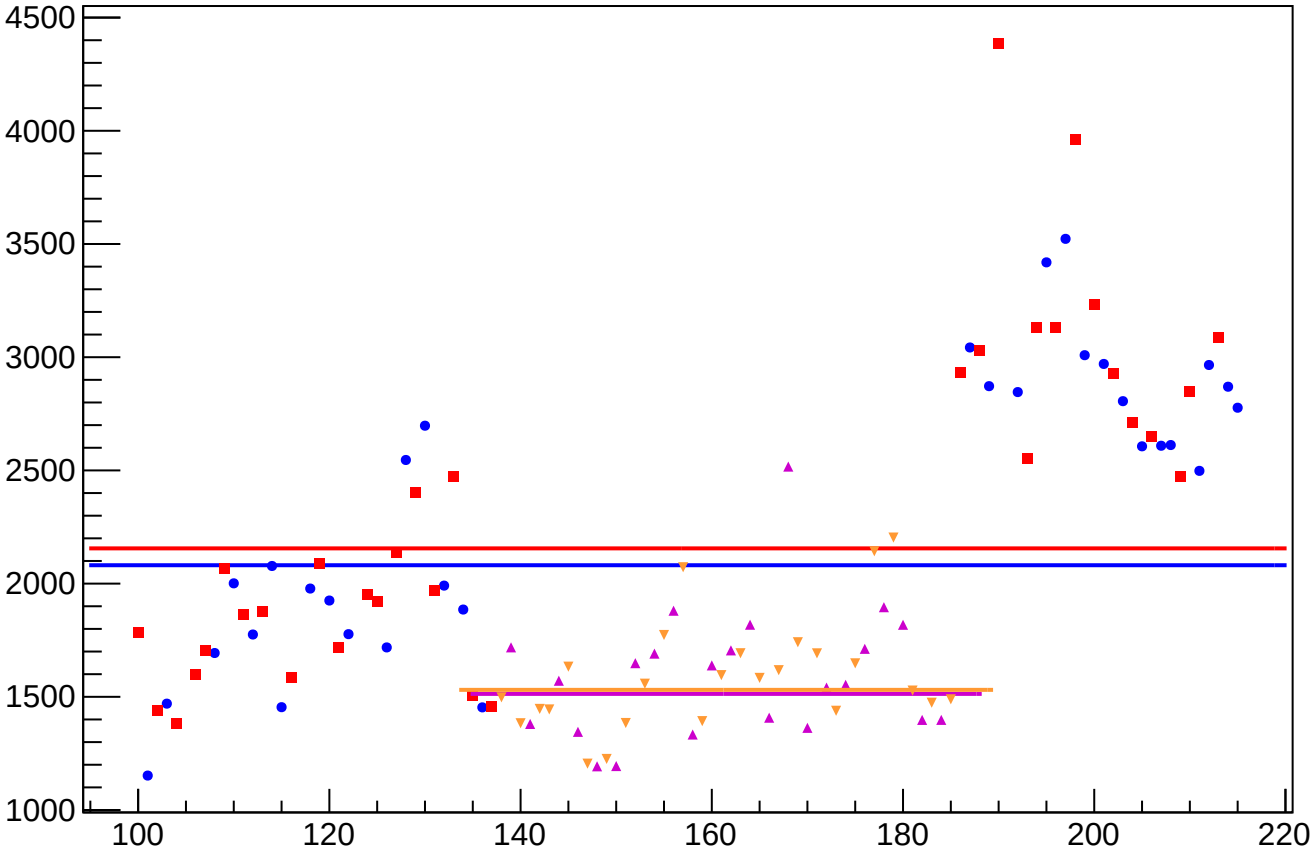
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

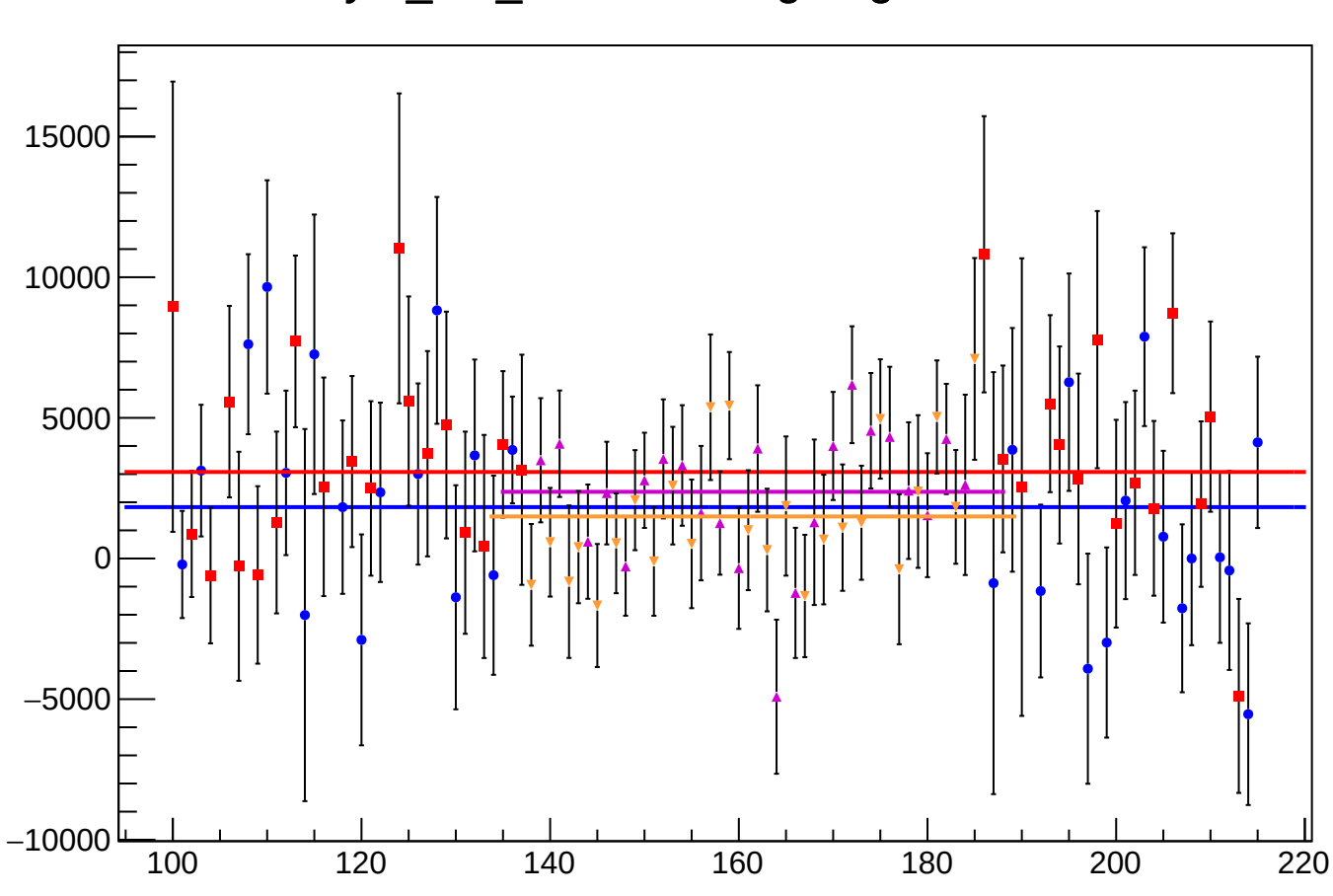
Right: -162.030+/-360.592 χ^2/NDF: 68.7/63

In: 133.737+/-291.544 χ^2/NDF:55.6/53

Out: 71.685+/-292.519 χ^2/NDF:59.1/57

All: 102.815+/-206.497 χ^2/NDF: 114.7/111


asym_usr_eigen_dit_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 2081.231+/-0.353 χ²/NDF: 3561021.2/30
Left Out: 1530.768+/-0.250 χ²/NDF:795638.4/24
Right Out: 2155.619+/-0.369 χ²/NDF: 3106680.1/32
Left In: 1512.951+/-0.254 χ²/NDF:957065.2/22
Left: 1522.003+/-0.178 χ²/NDF: 1755204.7/47
Right: 2116.818+/-0.255 χ²/NDF: 6688940.6/63
In: 1706.715+/-0.206 χ²/NDF:6225603.1/53
Out: 1727.487+/-0.207 χ²/NDF:5870861.7/57
All: 1717.066+/-0.146 χ²/NDF: 12101524.1/



Right In: 1826.954+/-574.192 χ^2/NDF: 36.7/30

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3075.077+/-593.868 χ^2/NDF: 27.2/32

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

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

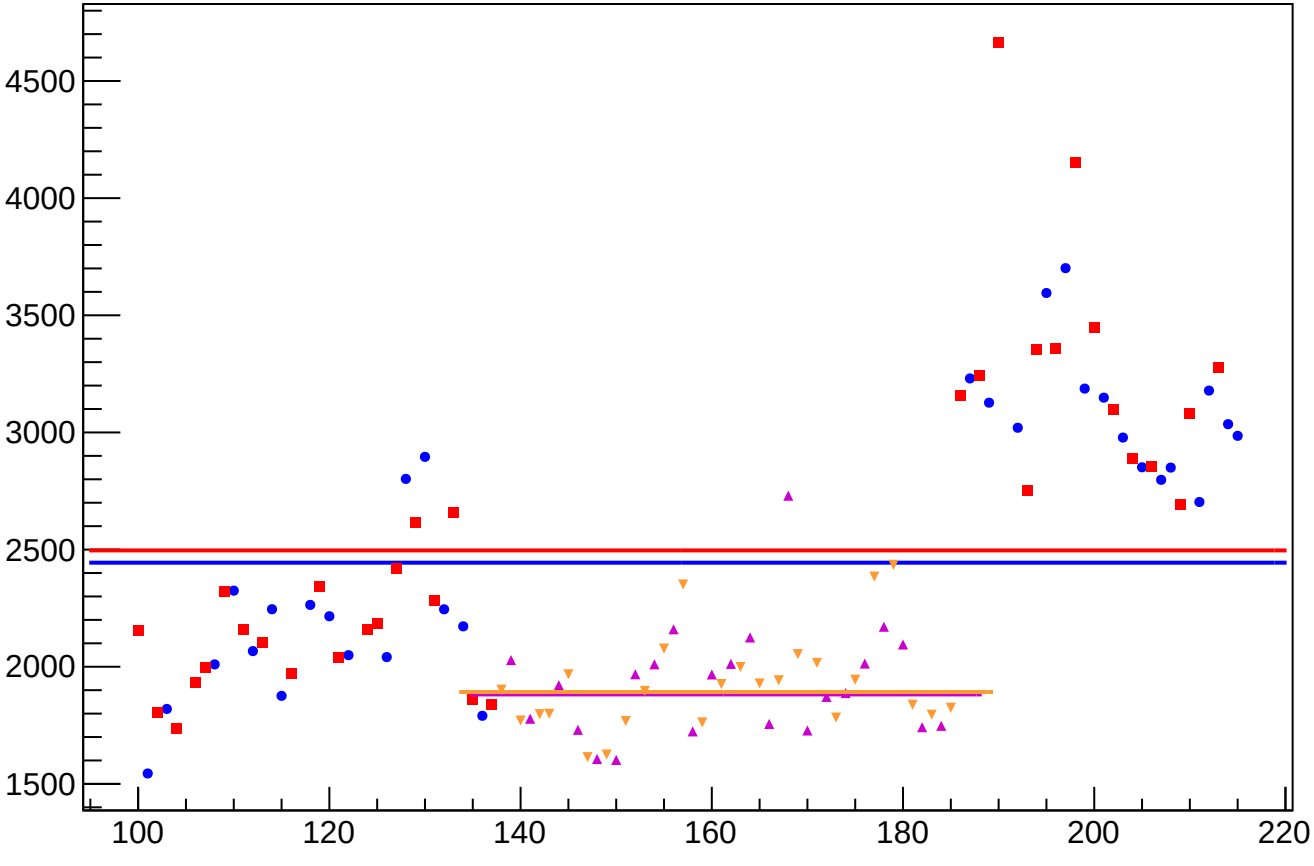
Right: 2429.997+/-412.796 χ^2/NDF: 66.2/63

In: 2167.832+/-350.720 χ^2/NDF:61.0/53

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

All: 2105.671+/-247.734 χ^2/NDF: 116.6/111

asym_usr_rms vs Slug, Sign Corrected



Right In: 2444.182+/-0.406 χ^2/NDF: 2133192.7/30

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2496.468+/-0.420 χ^2/NDF: 2045715.1/32

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

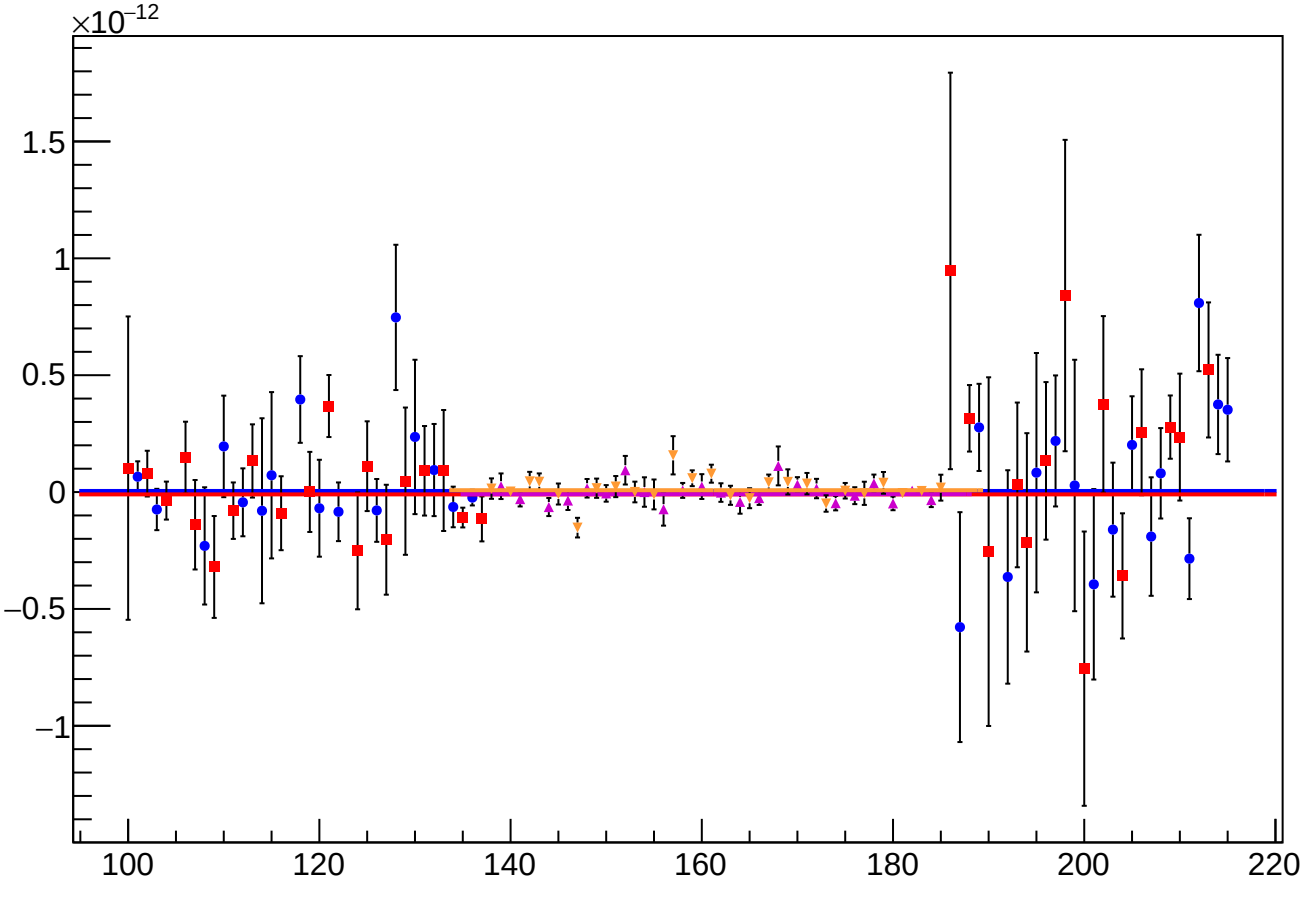
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2469.444+/-0.292 χ^2/NDF: 4186920.6/63

In: 2091.674+/-0.248 χ^2/NDF:3798242.0/53

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

All: 2096.852+/-0.175 χ^2/NDF: 7586371.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 40.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.9/32

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

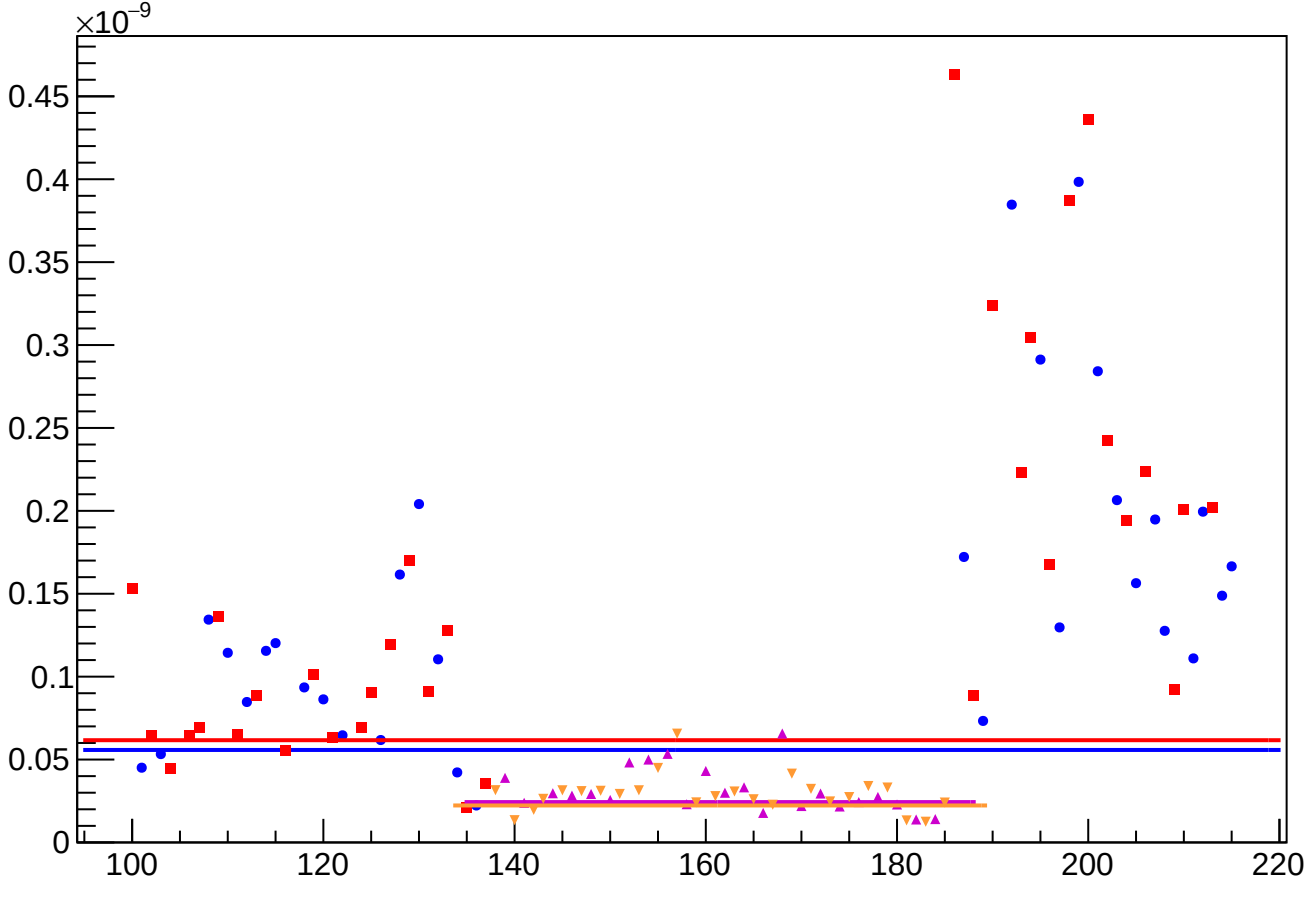
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 86.4/63

In: -0.000+/-0.000 χ^2/NDF:59.7/53

Out: 0.000+/-0.000 χ^2/NDF:78.7/57

All: -0.000+/-0.000 χ^2/NDF: 140.7/111



Right In: 0.000+/-0.000 χ^2/NDF: 10202119.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9077611.9/32

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

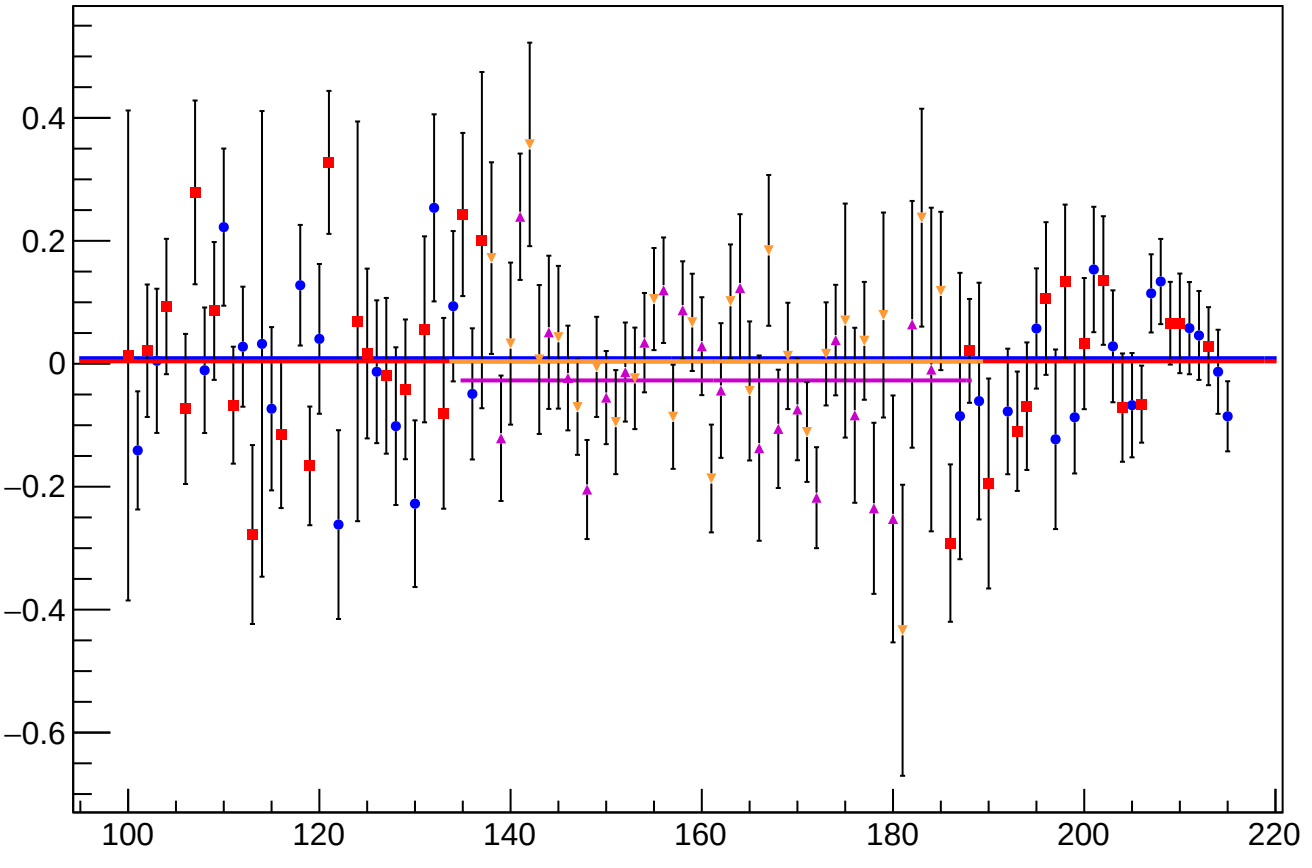
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 19339515.6/63

In: 0.000+/-0.000 χ^2/NDF:16758833.8/53

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

All: 0.000+/-0.000 χ^2/NDF: 34100084.4/111



Right In: 0.009+/-0.018 χ^2/NDF: 33.1/30

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.019 χ^2/NDF: 41.1/32

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

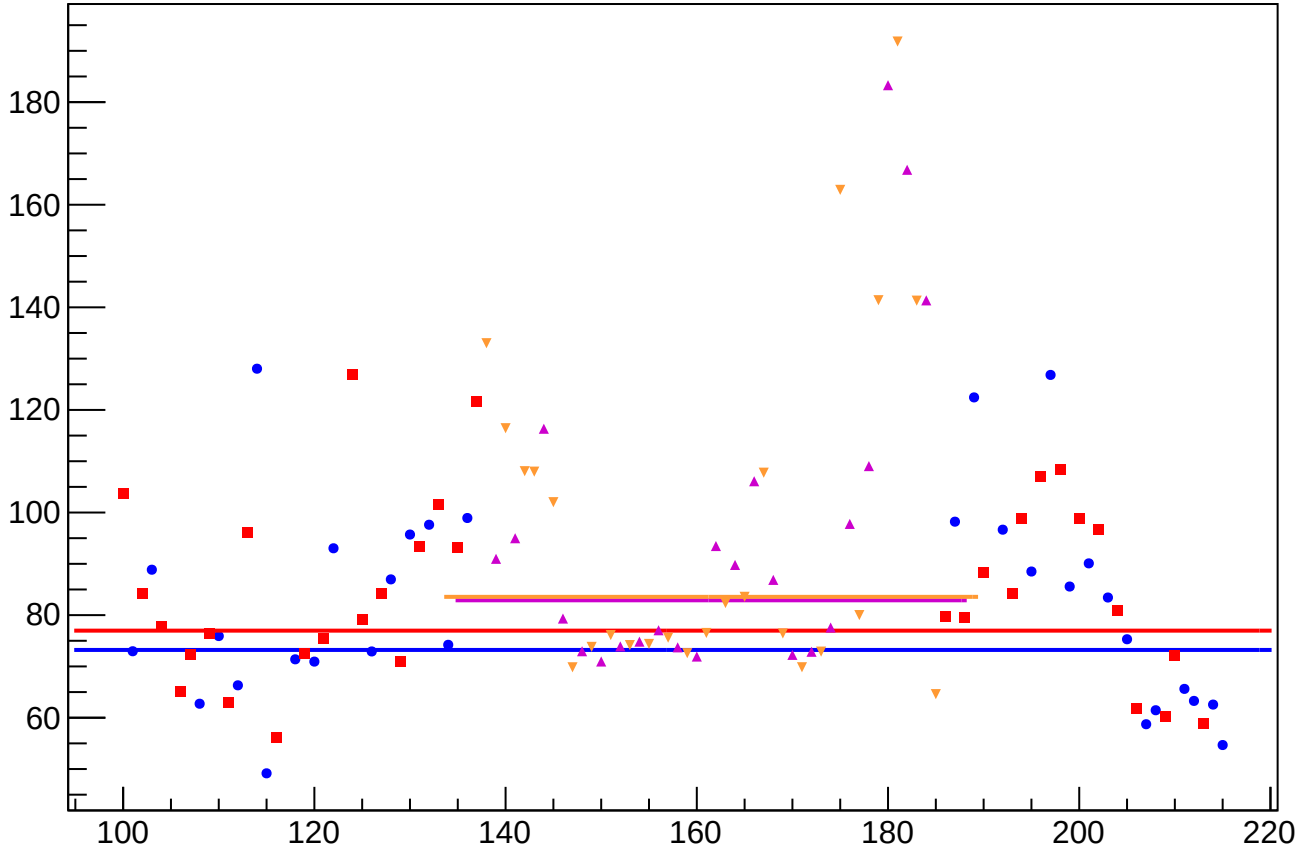
Right: 0.007+/-0.013 χ^2/NDF: 74.2/63

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: -0.001+/-0.010 χ^2/NDF: 136.4/111

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.213+/-0.012 χ^2/NDF: 1629703.2/30

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 76.977+/-0.013 χ^2/NDF: 1324127.4/32

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

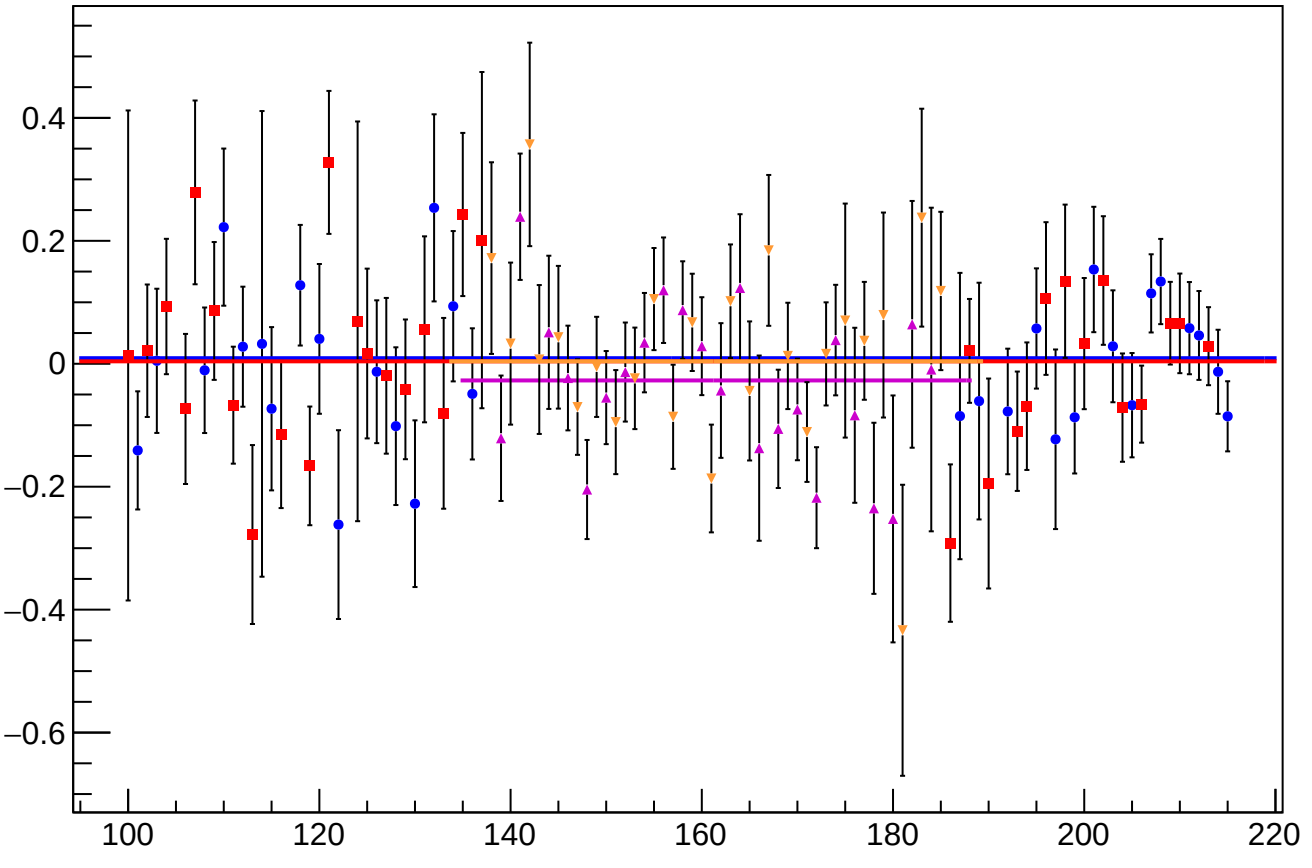
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 74.990+/-0.009 χ^2/NDF: 2996897.5/63

In: 77.314+/-0.009 χ^2/NDF:3458333.3/53

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

All: 78.617+/-0.007 χ^2/NDF: 7108630.2/111



Right In: 0.009+/-0.018 χ^2/NDF: 33.1/30

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.019 χ^2/NDF: 41.1/32

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

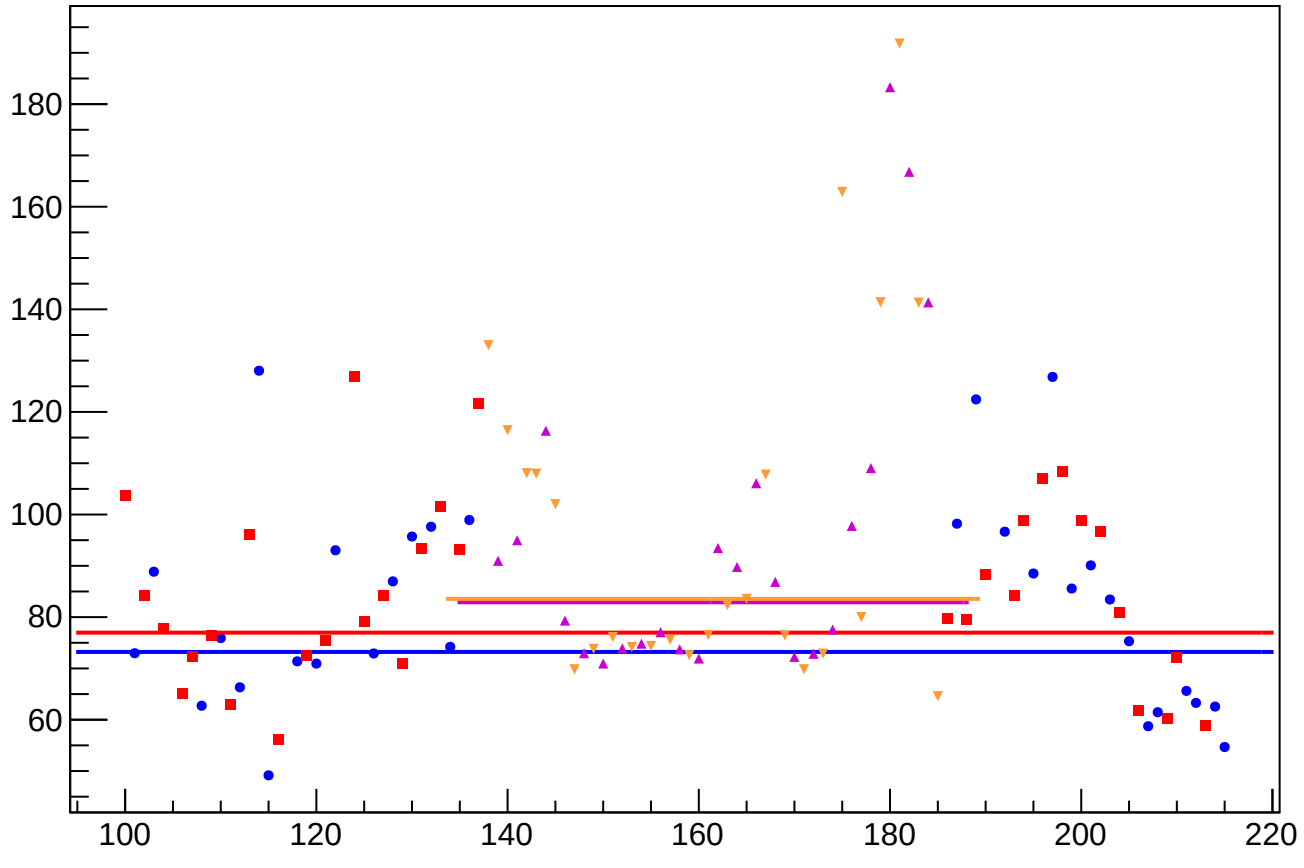
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.007+/-0.013 χ^2/NDF: 74.2/63

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: -0.001+/-0.010 χ^2/NDF: 136.4/111



Right In: 73.213+/-0.012 χ^2/NDF: 1629703.2/30

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 76.977+/-0.013 χ^2/NDF: 1324127.4/32

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

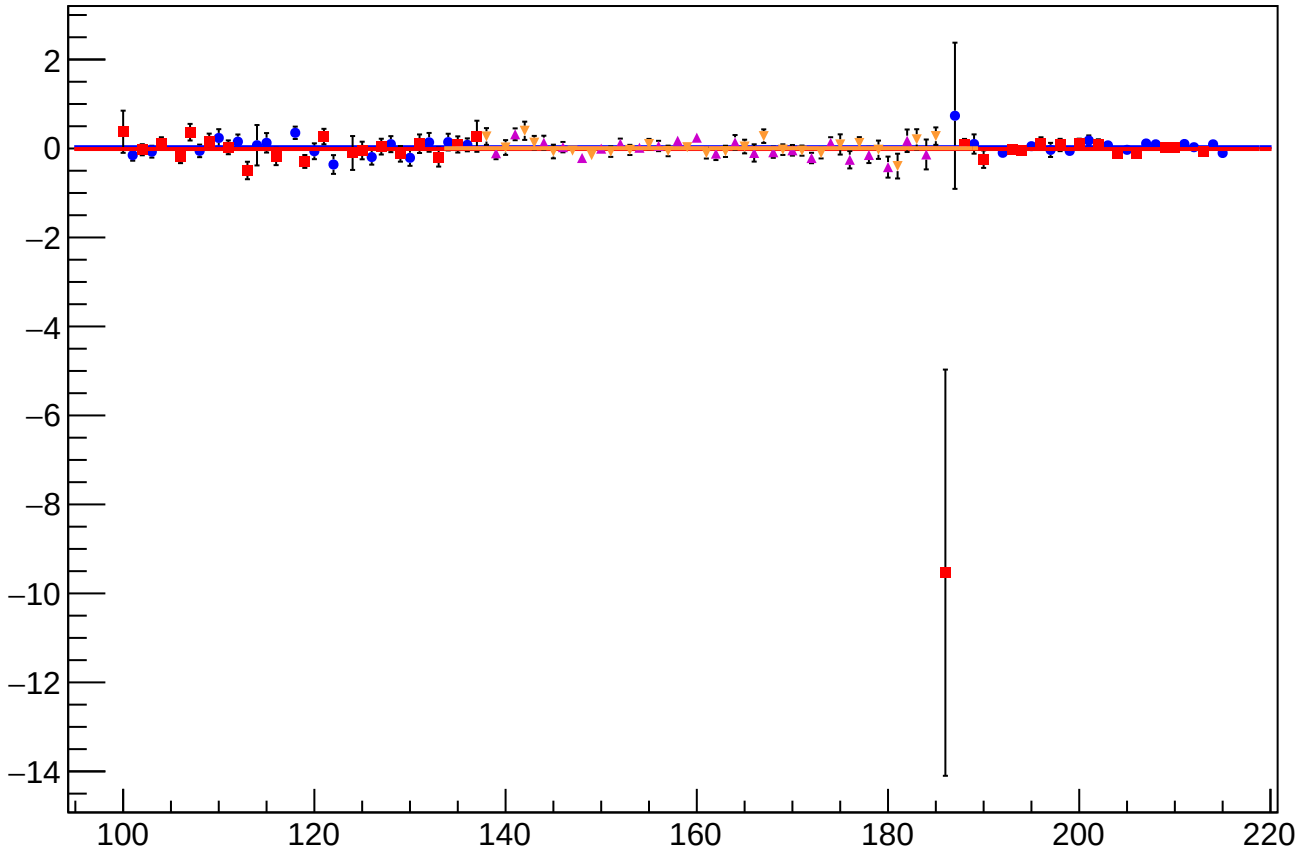
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 74.990+/-0.009 χ^2/NDF: 2996897.5/63

In: 77.314+/-0.009 χ^2/NDF:3458333.3/53

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

All: 78.617+/-0.007 χ^2/NDF: 7108630.2/111



Right In: 0.029+/-0.023 χ^2/NDF: 28.0/30

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.012+/-0.024 χ^2/NDF: 36.4/32

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

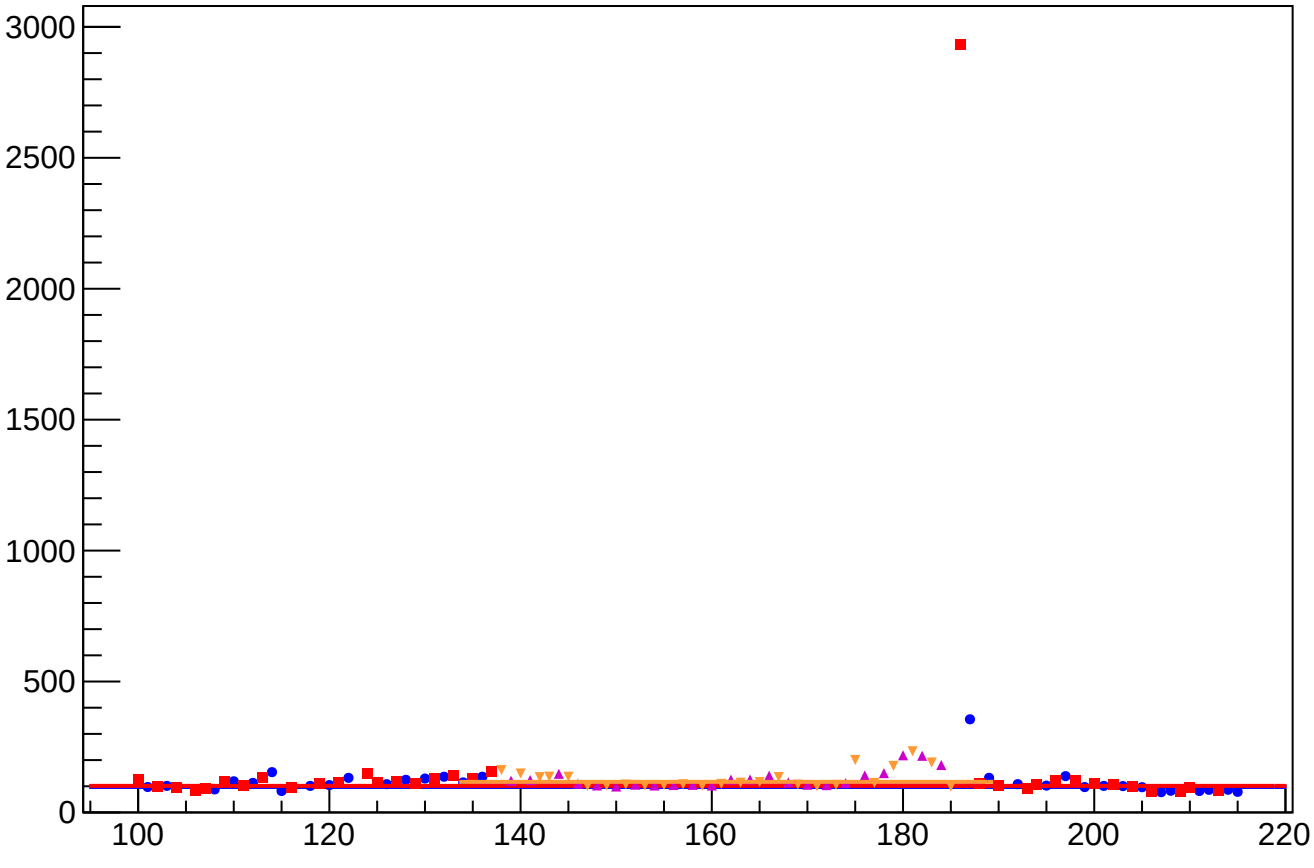
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: 0.010+/-0.017 χ^2/NDF: 65.9/63

In: 0.022+/-0.018 χ^2/NDF:59.6/53

Out: -0.004+/-0.018 χ^2/NDF:57.9/57

All: 0.009+/-0.013 χ^2/NDF: 118.5/111



Right In: 97.441+/-0.016 χ^2/NDF: 1136382.9/30

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 101.504+/-0.017 χ^2/NDF: 1626825.0/32

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

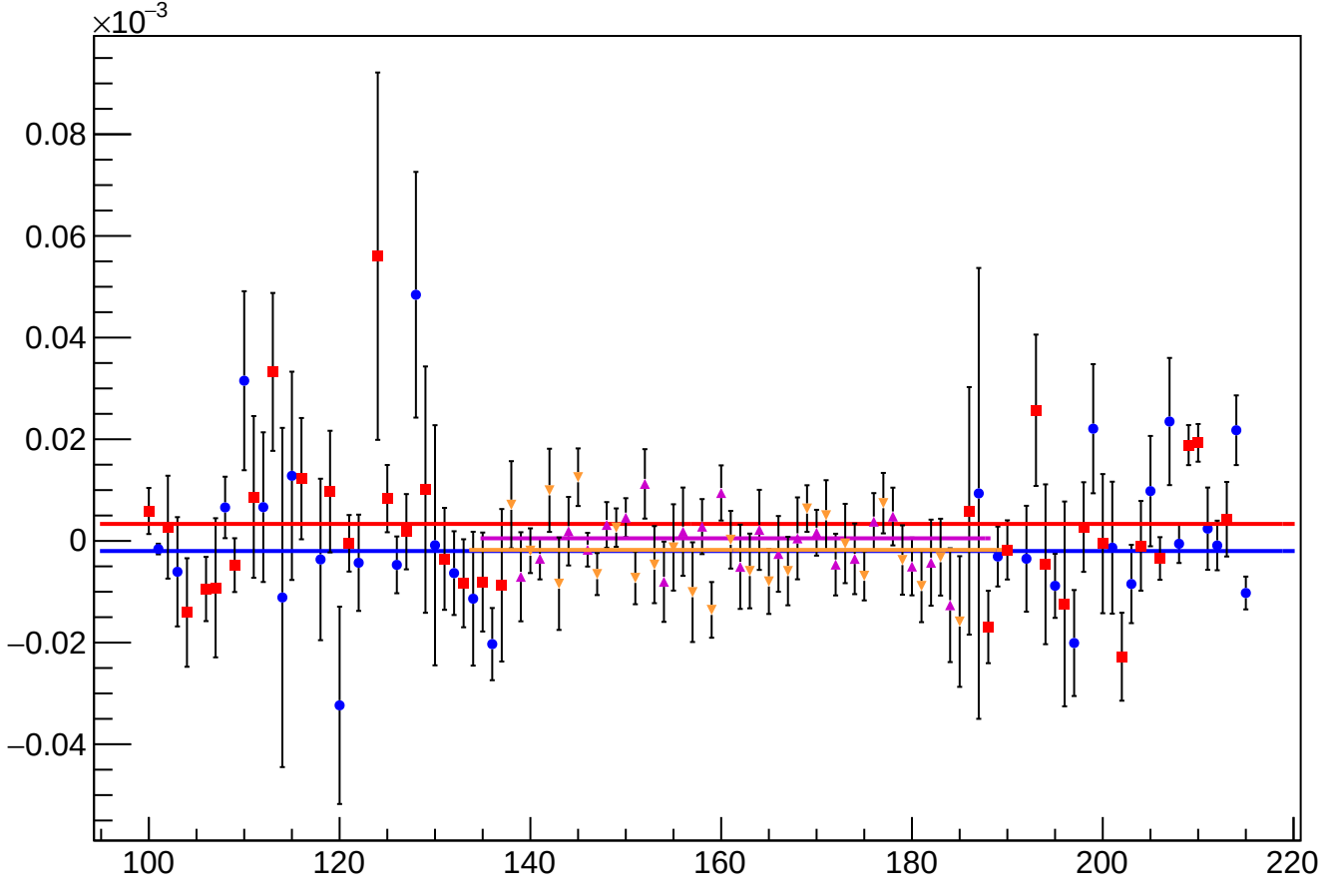
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 99.361+/-0.012 χ^2/NDF: 2792391.0/63

In: 104.856+/-0.013 χ^2/NDF:2878620.4/53

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

All: 106.492+/-0.009 χ^2/NDF: 6482531.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 54.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 80.7/32

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

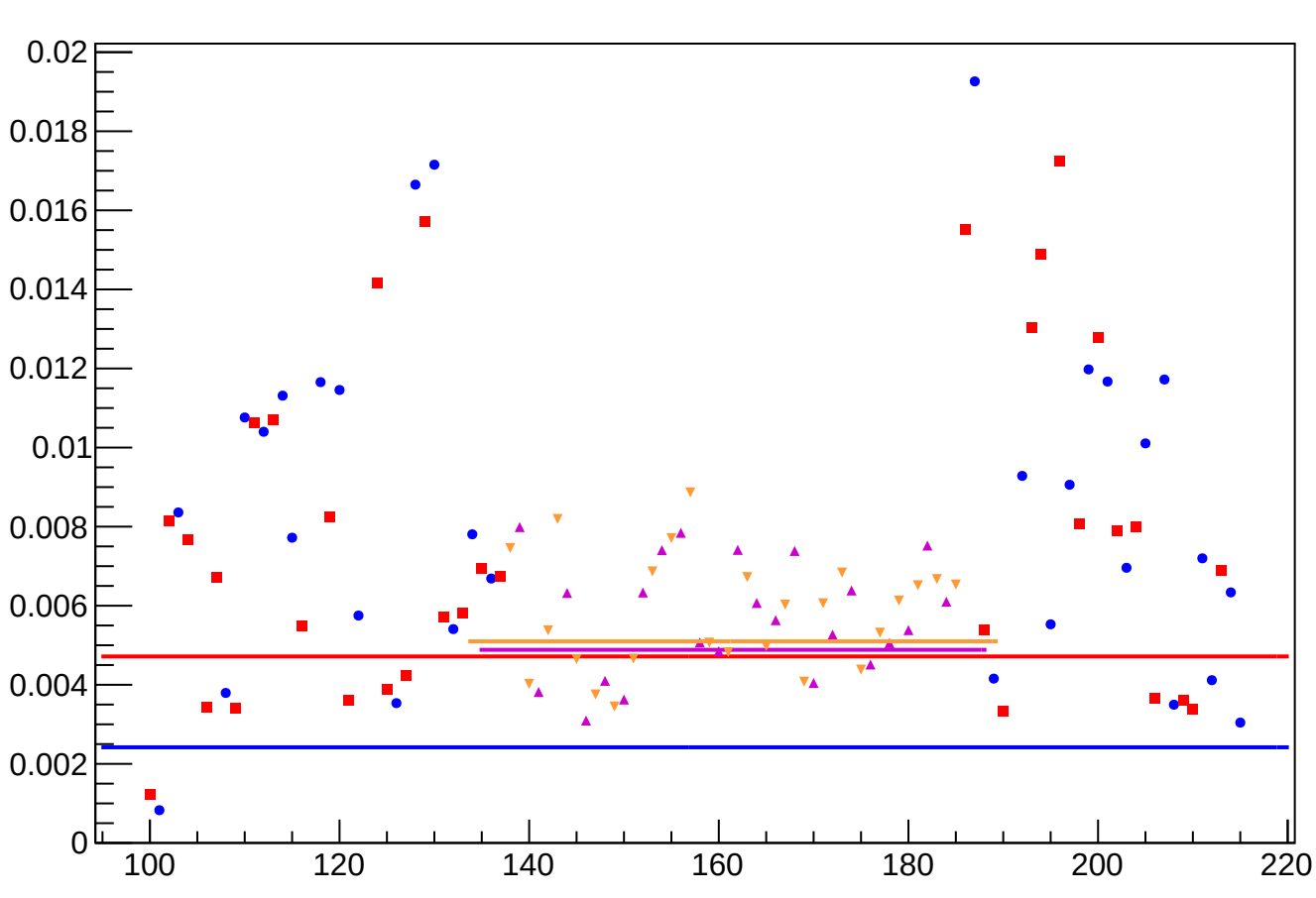
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 146.9/63

In: -0.000+/-0.000 χ^2/NDF:72.9/53

Out: 0.000+/-0.000 χ^2/NDF:120.0/57

All: -0.000+/-0.000 χ^2/NDF: 195.4/111



Right In: 0.002+/-0.000 χ^2/NDF: 20306092.7/30

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8449030.3/32

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

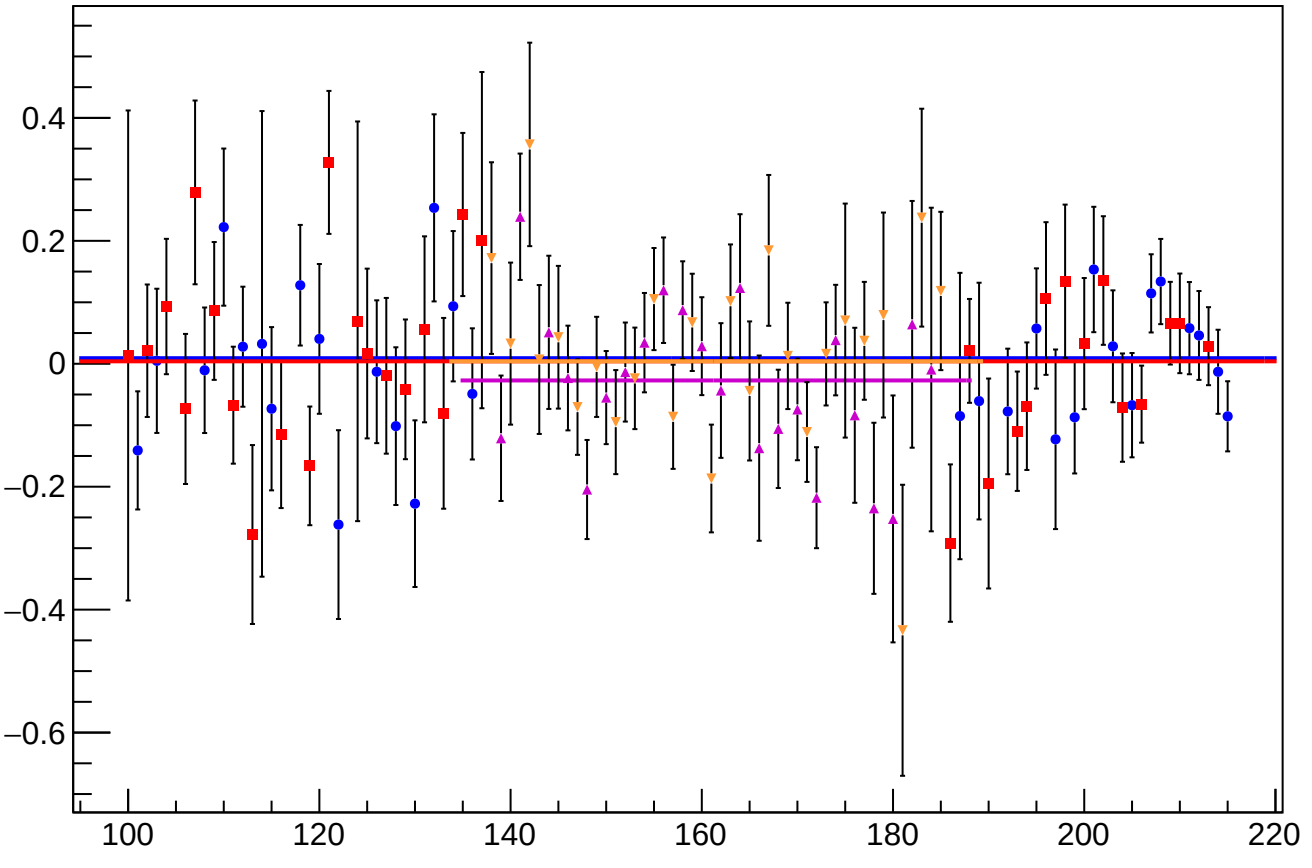
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 33148859.3/63

In: 0.003+/-0.000 χ^2/NDF:28730755.7/53

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

All: 0.004+/-0.000 χ^2/NDF: 44174321.1/111



Right In: 0.009+/-0.018 χ^2/NDF: 33.1/30

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.019 χ^2/NDF: 41.1/32

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

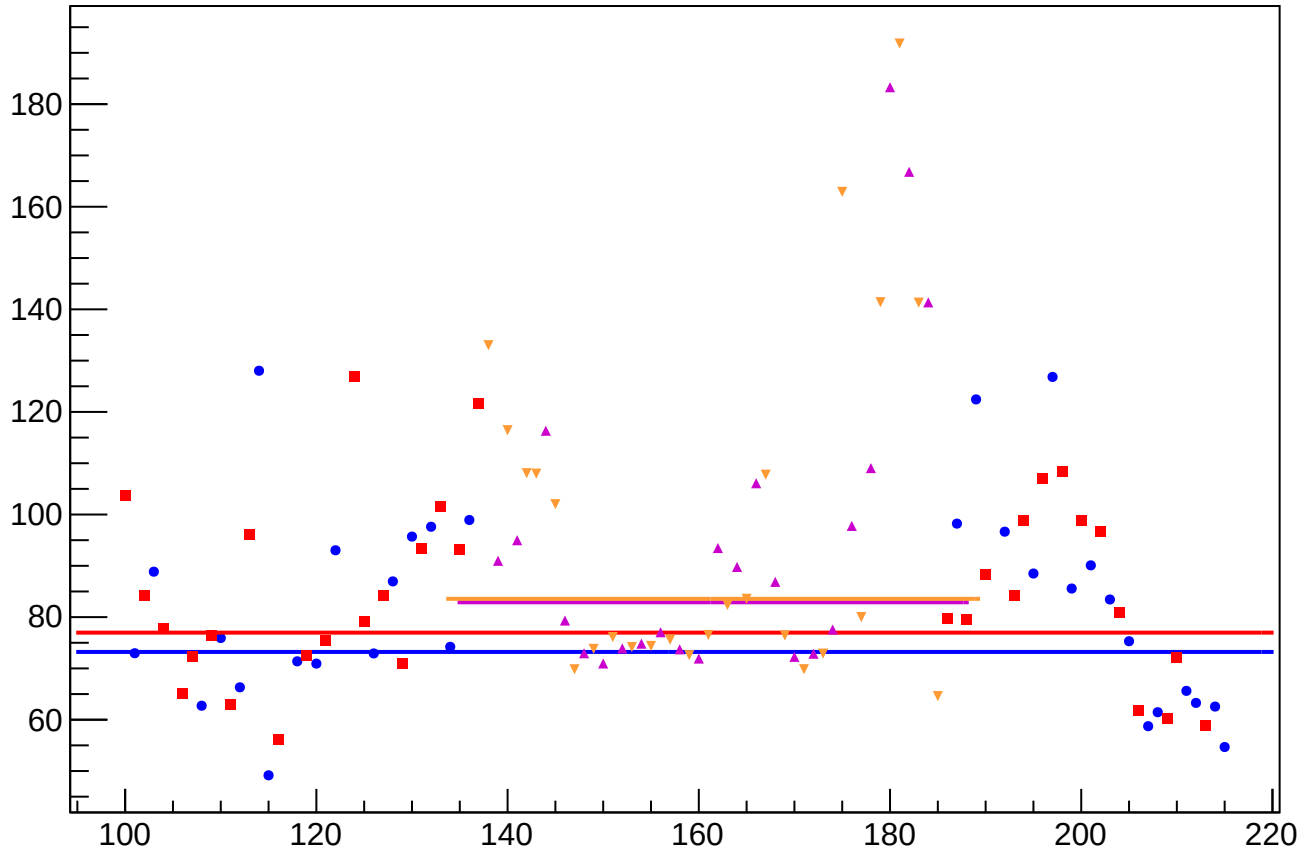
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.007+/-0.013 χ^2/NDF: 74.2/63

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: -0.001+/-0.010 χ^2/NDF: 136.4/111



Right In: 73.214+/-0.012 χ^2/NDF: 1629585.9/30

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 76.976+/-0.013 χ^2/NDF: 1324058.8/32

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

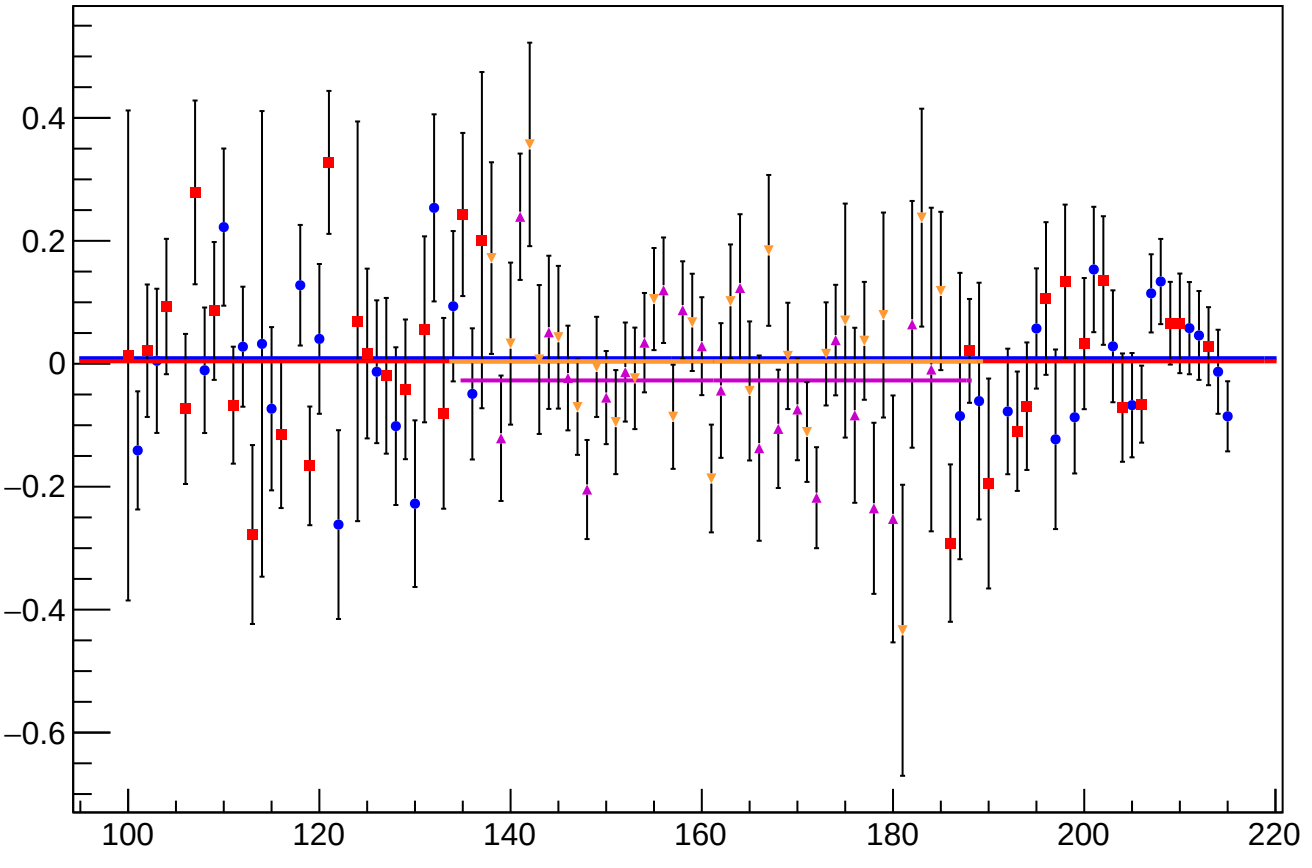
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 74.990+/-0.009 χ^2/NDF: 2996691.7/63

In: 77.314+/-0.009 χ^2/NDF:3458197.5/53

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

All: 78.617+/-0.007 χ^2/NDF: 7108444.1/111



Right In: 0.009+/-0.018 χ^2/NDF: 33.1/30

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.004+/-0.019 χ^2/NDF: 41.1/32

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

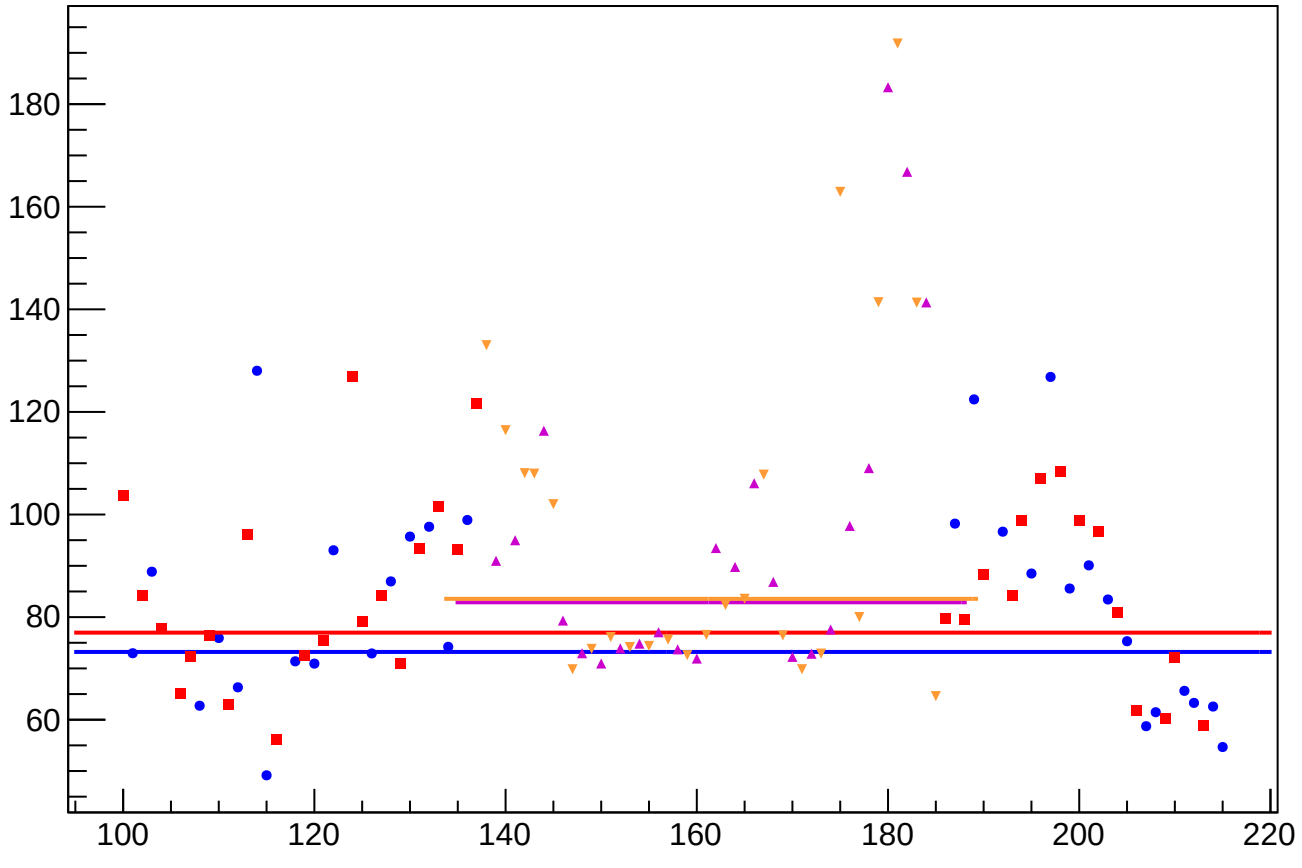
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.007+/-0.013 χ^2/NDF: 74.2/63

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.004+/-0.014 χ^2/NDF:69.3/57

All: -0.001+/-0.010 χ^2/NDF: 136.4/111



Right In: 73.214+/-0.012 χ^2/NDF: 1629585.9/30

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 76.976+/-0.013 χ^2/NDF: 1324058.8/32

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

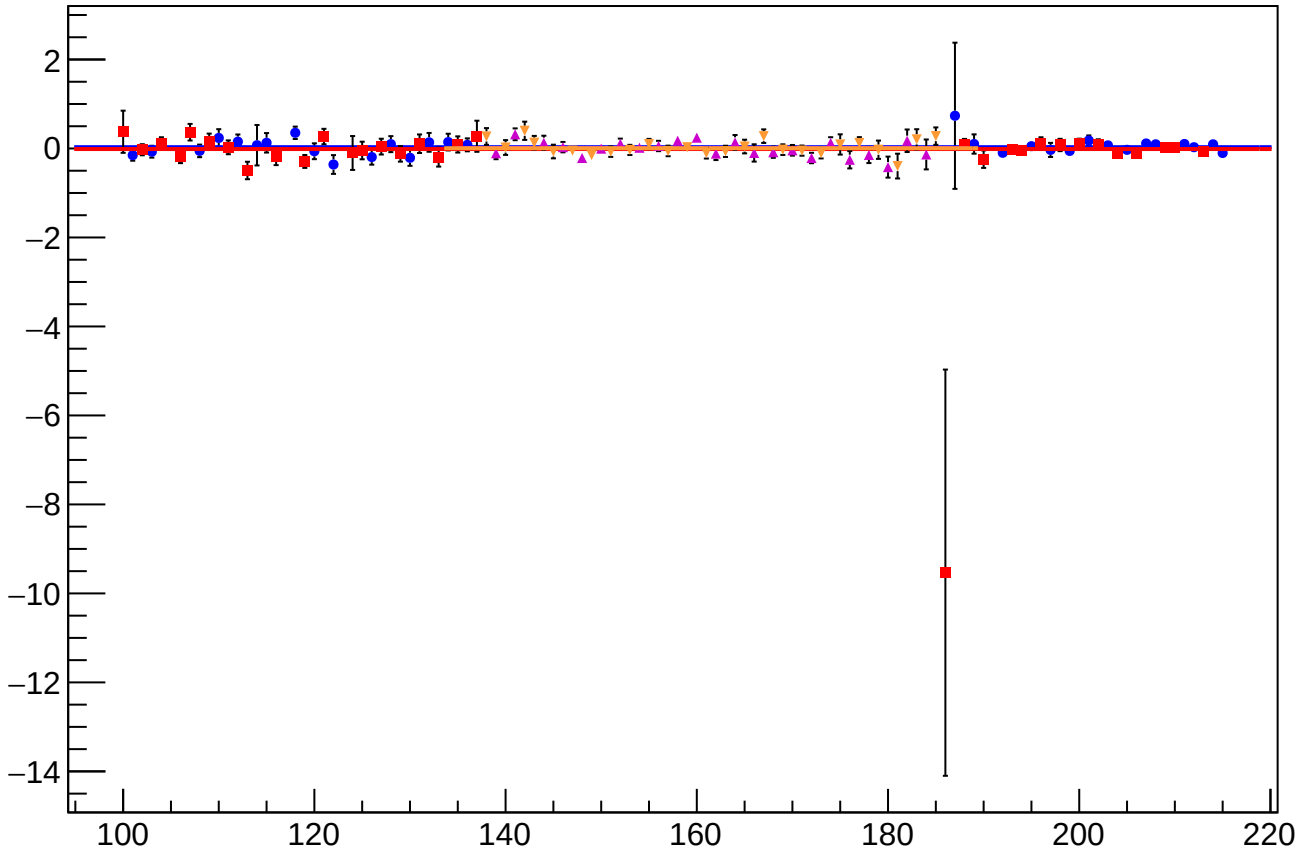
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 74.990+/-0.009 χ^2/NDF: 2996691.7/63

In: 77.314+/-0.009 χ^2/NDF:3458197.5/53

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

All: 78.617+/-0.007 χ^2/NDF: 7108444.1/111



Right In: 0.029+/-0.023 χ^2/NDF: 28.0/30

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.012+/-0.024 χ^2/NDF: 36.4/32

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

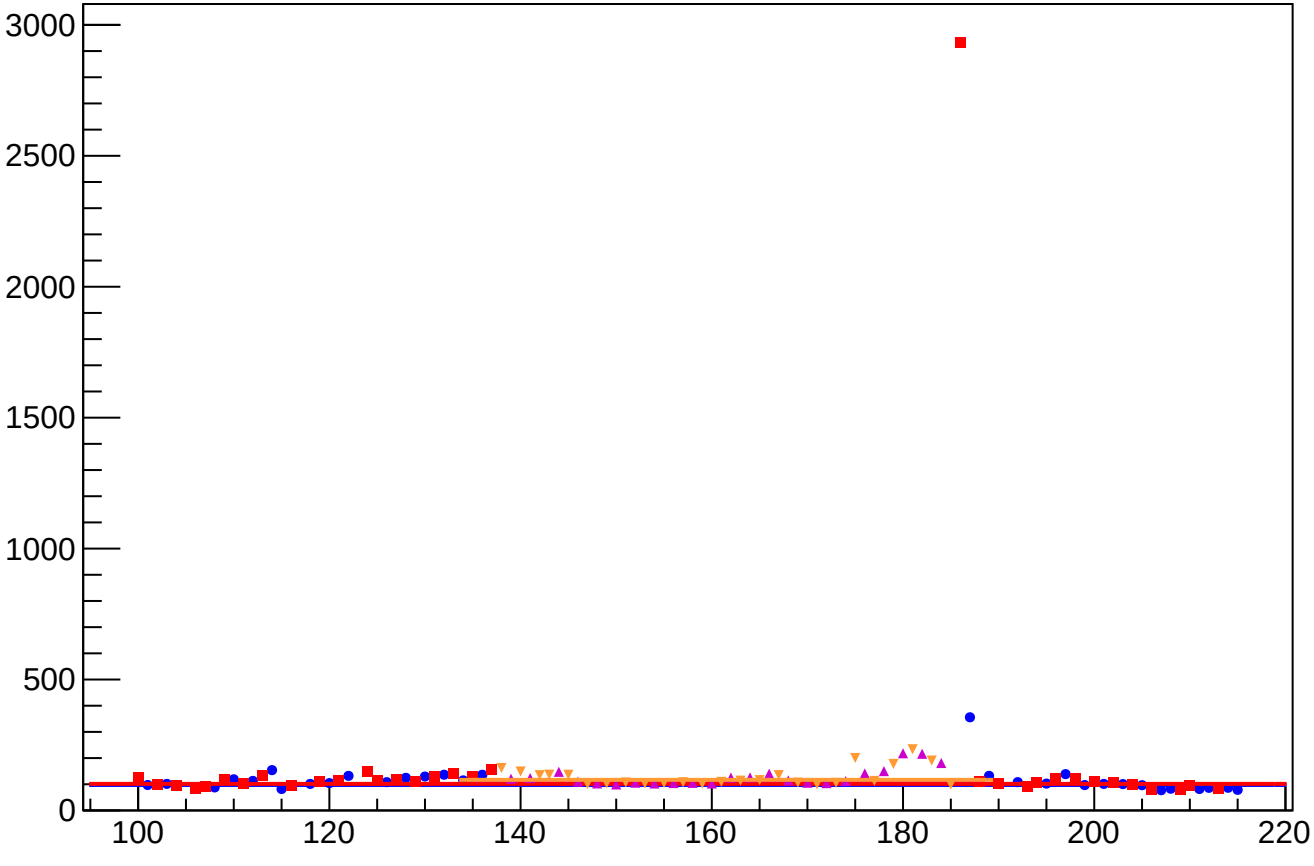
Right: 0.010+/-0.017 χ^2/NDF: 65.9/63

In: 0.022+/-0.018 χ^2/NDF:59.6/53

Out: -0.004+/-0.018 χ^2/NDF:57.9/57

All: 0.009+/-0.013 χ^2/NDF: 118.5/111

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 97.441+/-0.016 χ^2/NDF: 1136261.3/30

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 101.504+/-0.017 χ^2/NDF: 1626755.3/32

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

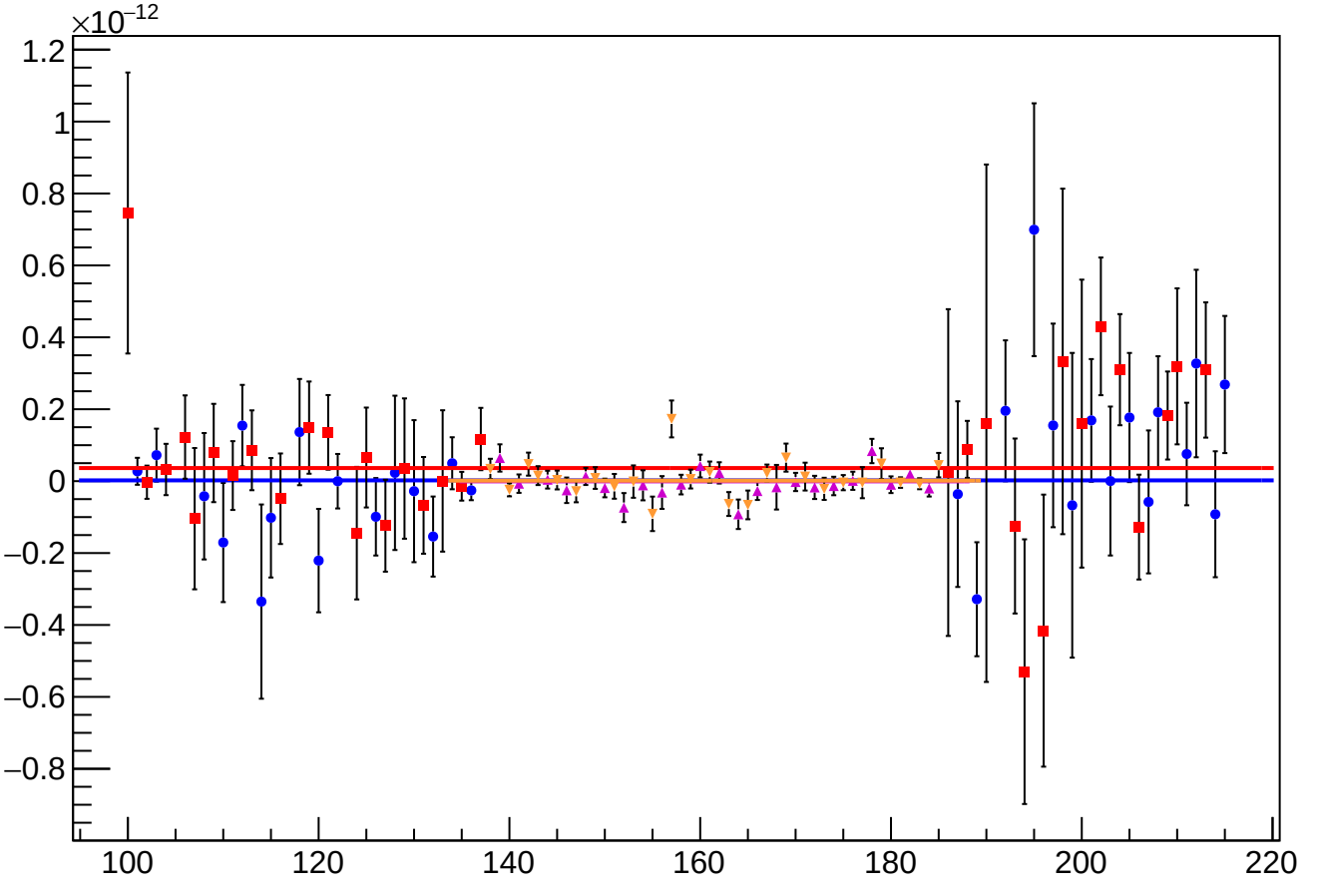
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 99.361+/-0.012 χ^2/NDF: 2792190.8/63

In: 104.857+/-0.013 χ^2/NDF:2878481.0/53

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

All: 106.492+/-0.009 χ^2/NDF: 6482338.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/32

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

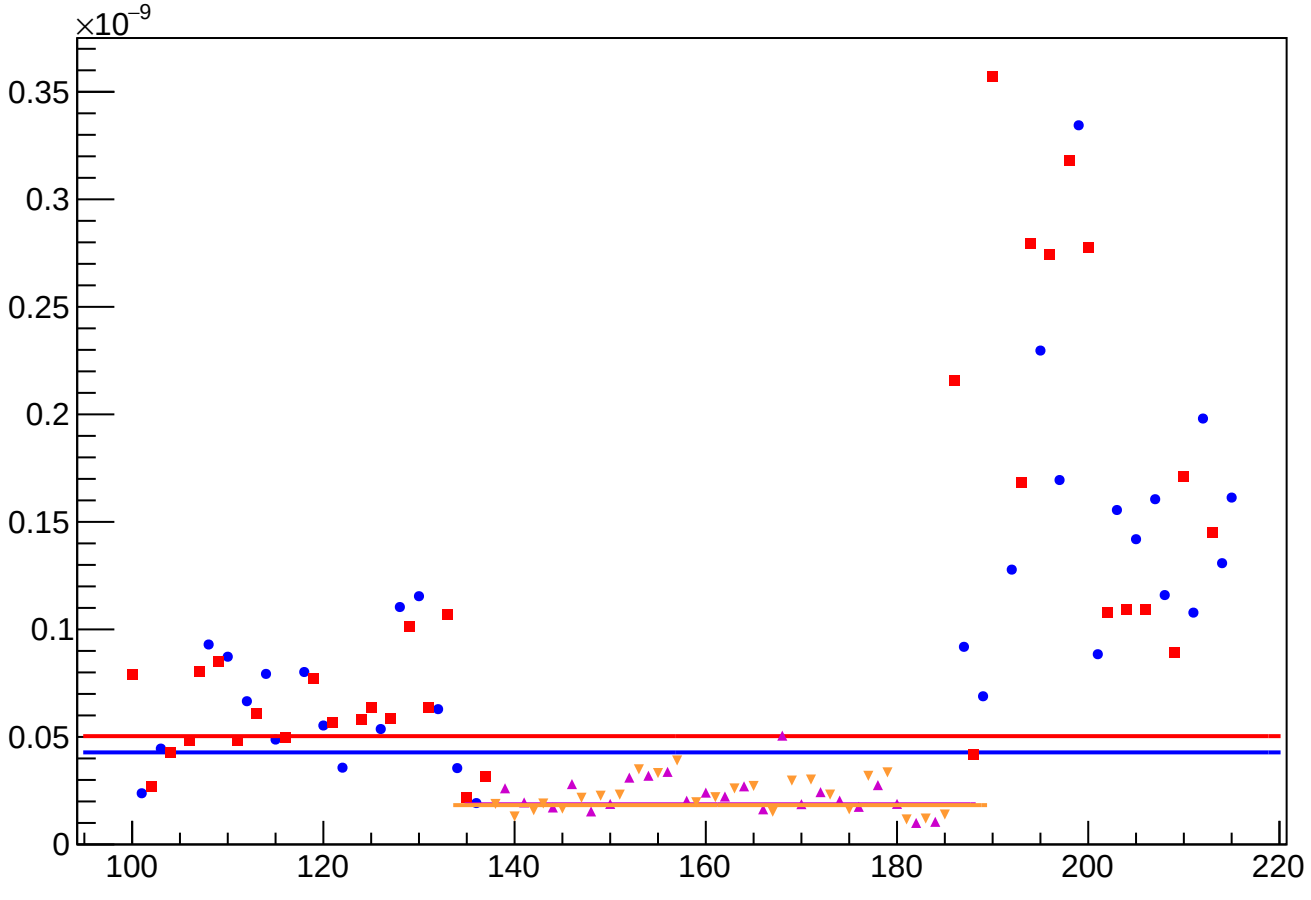
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 65.1/63

In: -0.000+/-0.000 χ^2/NDF:57.8/53

Out: 0.000+/-0.000 χ^2/NDF:71.9/57

All: 0.000+/-0.000 χ^2/NDF: 130.0/111



Right In: 0.000+/-0.000 χ^2/NDF: 10489300.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8312093.2/32

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

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

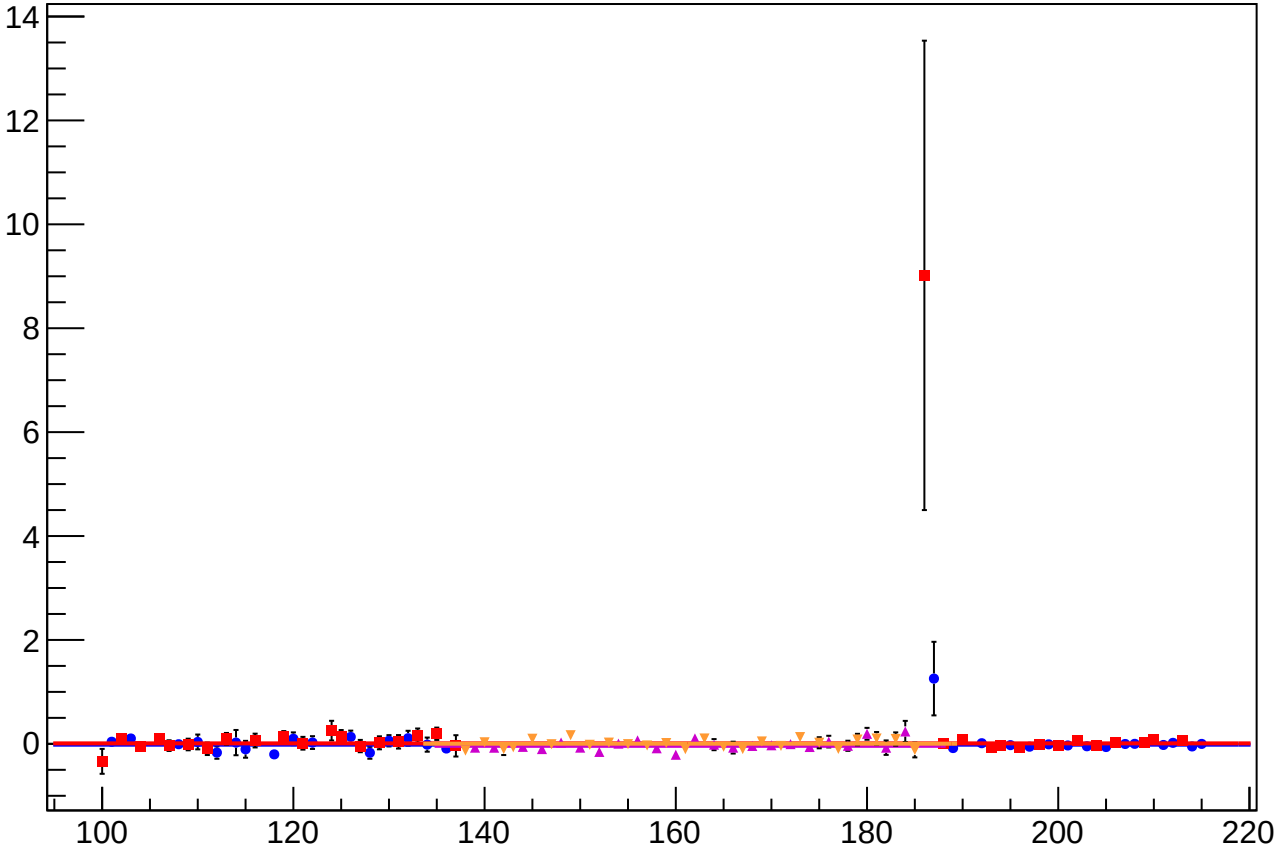
Right: 0.000+/-0.000 χ^2/NDF: 18974835.3/63

In: 0.000+/-0.000 χ^2/NDF:17064094.5/53

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

All: 0.000+/-0.000 χ^2/NDF: 33529746.5/111

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 24.8/30

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.009+/-0.012 χ^2/NDF: 39.4/32

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

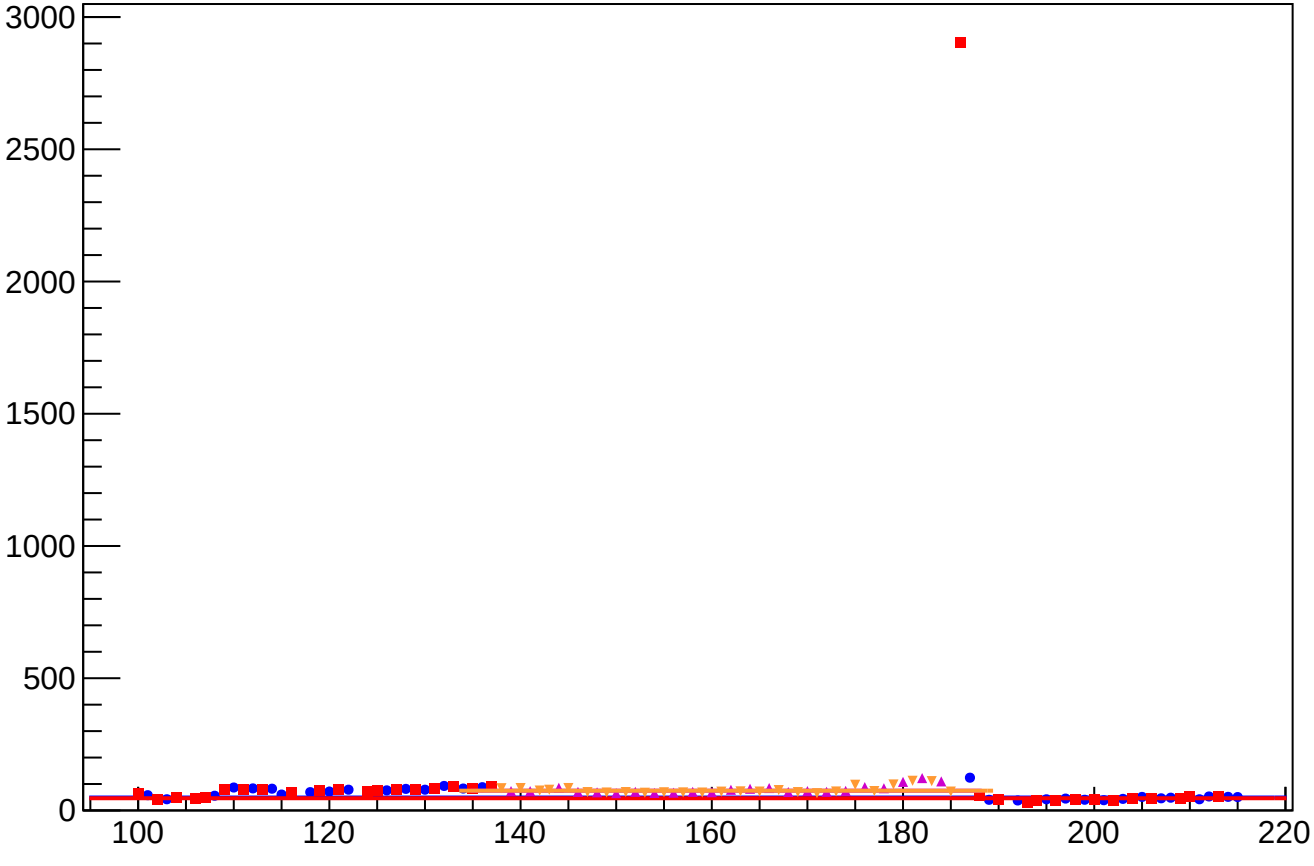
Right: -0.003+/-0.008 χ^2/NDF: 66.5/63

In: -0.023+/-0.010 χ^2/NDF:47.5/53

Out: 0.007+/-0.010 χ^2/NDF:61.0/57

All: -0.008+/-0.007 χ^2/NDF: 113.2/111

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.936+/-0.008 χ^2/NDF: 2299218.8/30

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.175+/-0.008 χ^2/NDF: 3671792.0/32

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

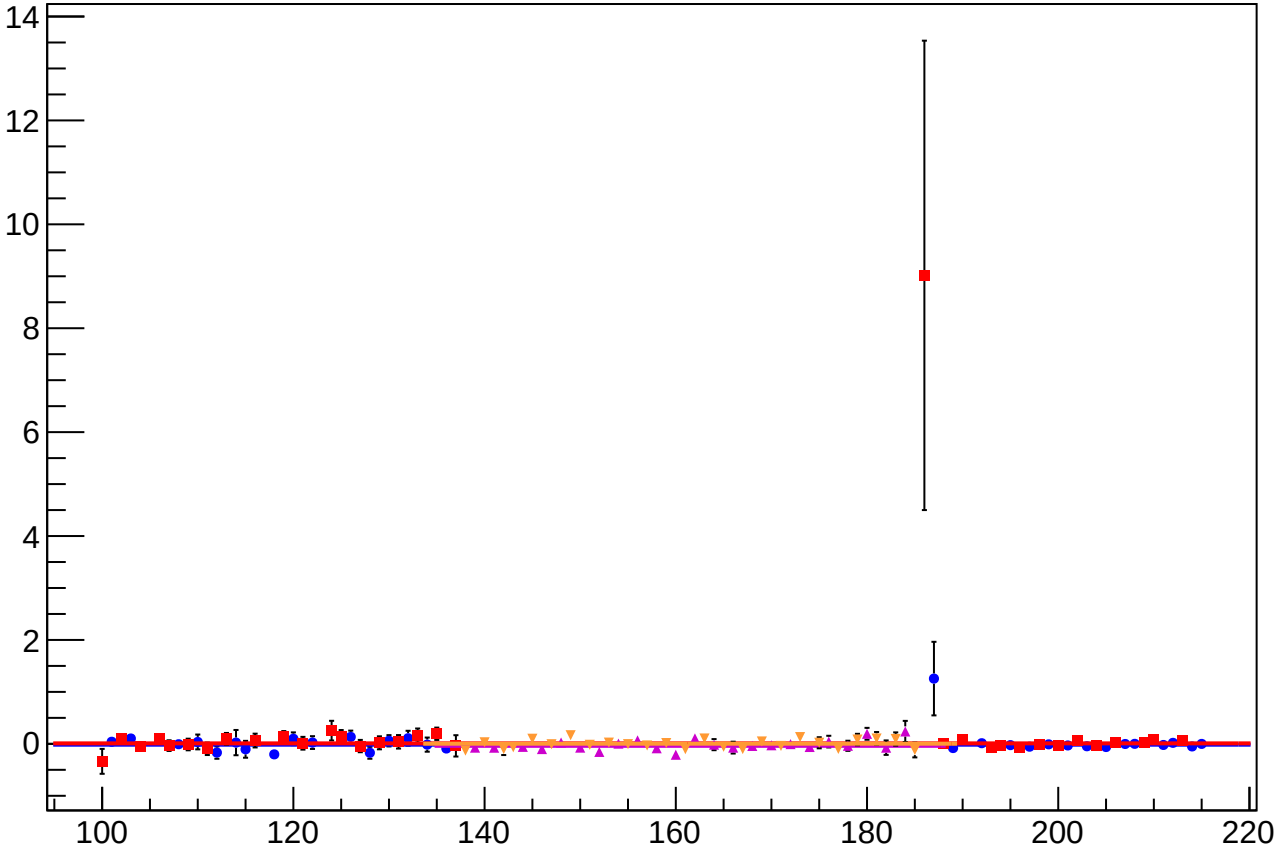
Right: 47.529+/-0.006 χ^2/NDF: 6026344.0/63

In: 56.769+/-0.007 χ^2/NDF:5877381.1/53

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

All: 55.852+/-0.005 χ^2/NDF: 14048948.0/111

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 24.8/30

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.009+/-0.012 χ^2/NDF: 39.4/32

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

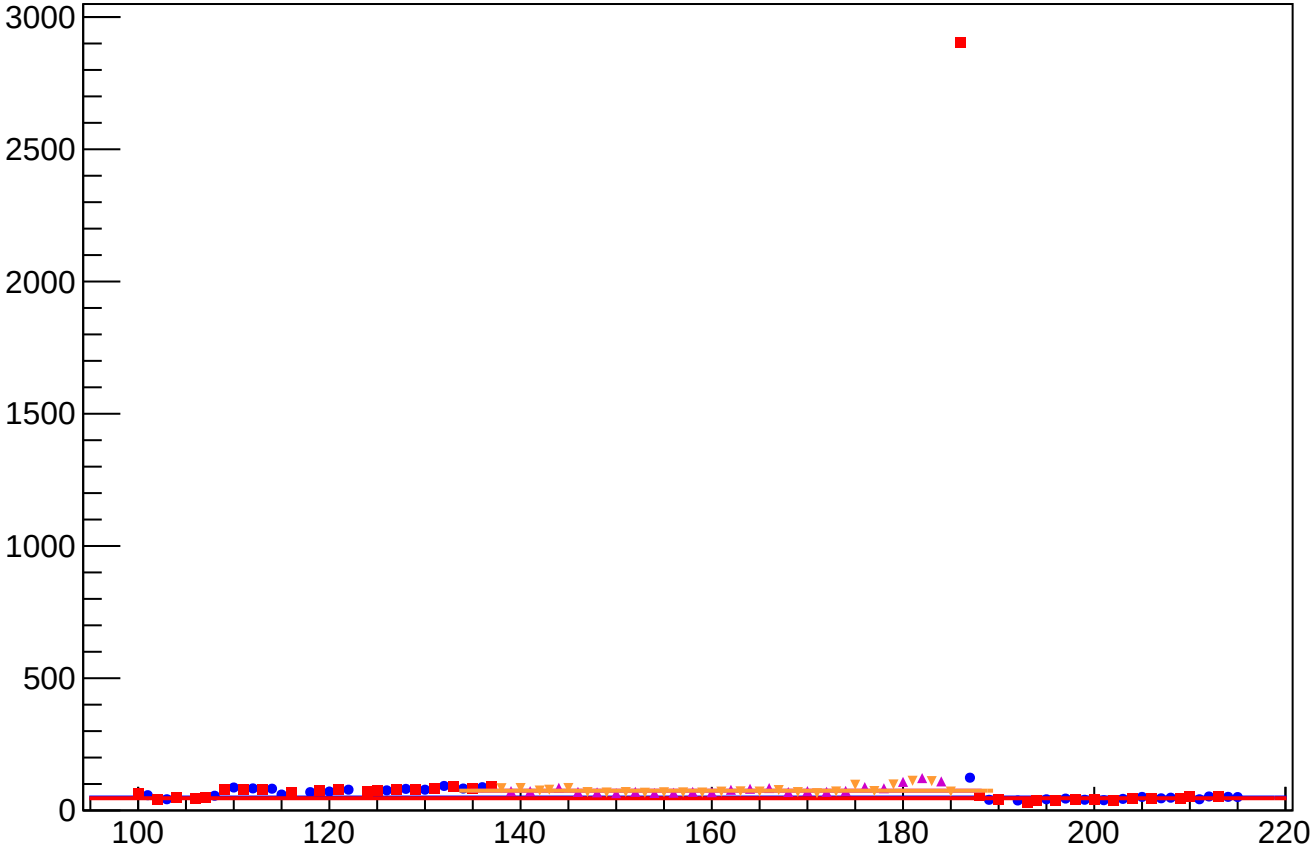
Right: -0.003+/-0.008 χ^2/NDF: 66.5/63

In: -0.023+/-0.010 χ^2/NDF:47.5/53

Out: 0.007+/-0.010 χ^2/NDF:61.0/57

All: -0.008+/-0.007 χ^2/NDF: 113.2/111

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.936+/-0.008 χ^2/NDF: 2299218.8/30

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.175+/-0.008 χ^2/NDF: 3671792.0/32

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

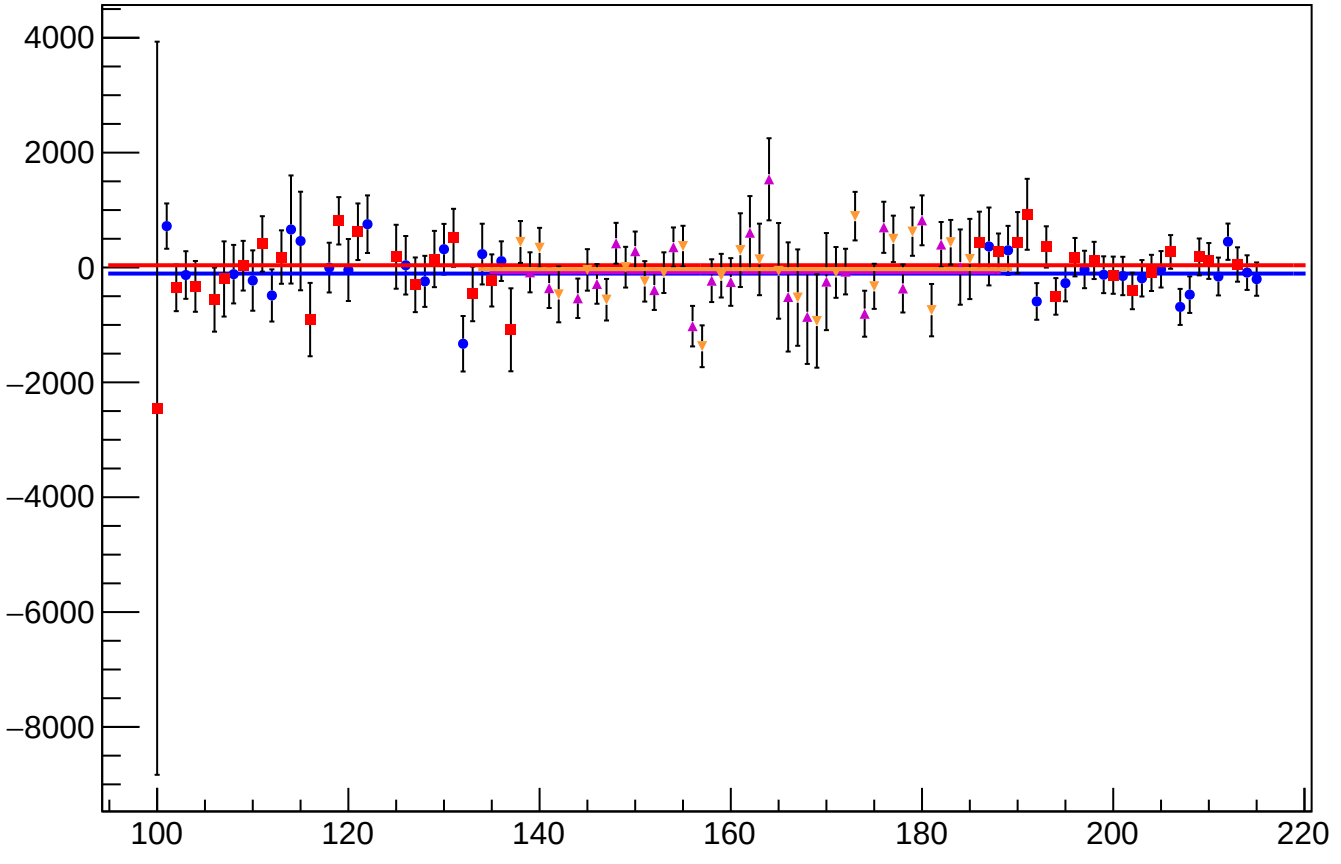
Right: 47.529+/-0.006 χ^2/NDF: 6026344.0/63

In: 56.769+/-0.007 χ^2/NDF:5877381.1/53

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

All: 55.852+/-0.005 χ^2/NDF: 14048948.0/111

asym_dsl_mean vs Slug, Sign Corrected



Right In: -105.989+/-69.388 χ^2/NDF: 29.7/30

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 39.151+/-70.963 χ^2/NDF: 27.3/32

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

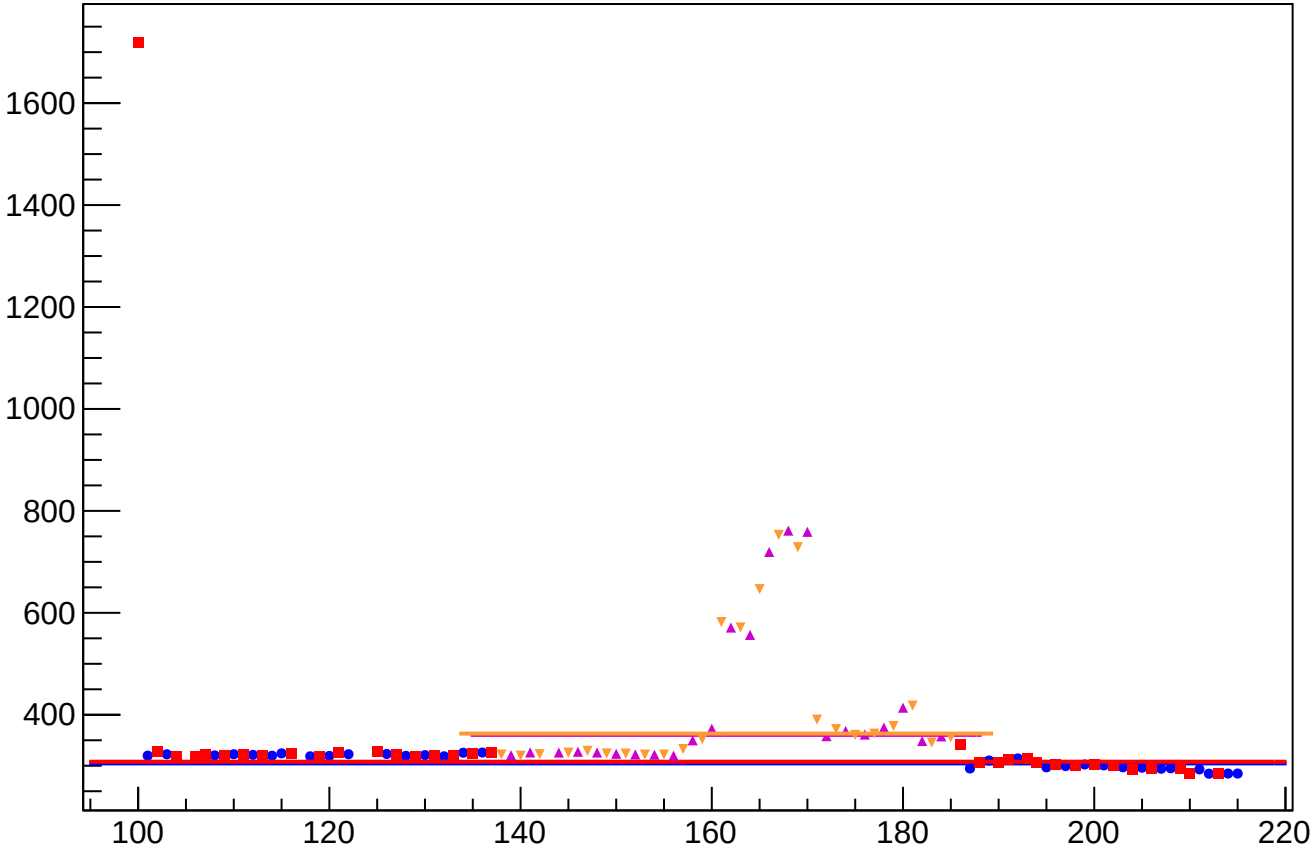
Right: -35.047+/-49.612 χ^2/NDF: 59.1/63

In: -97.267+/-54.119 χ^2/NDF:65.6/53

Out: 11.608+/-54.870 χ^2/NDF:64.2/56

All: -43.580+/-38.531 χ^2/NDF: 131.8/110

asym_dsl_rms vs Slug, Sign Corrected



Right In: 304.566+/-0.049 χ^2/NDF: 81385.9/30

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 307.918+/-0.050 χ^2/NDF: 173559.7/32

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

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

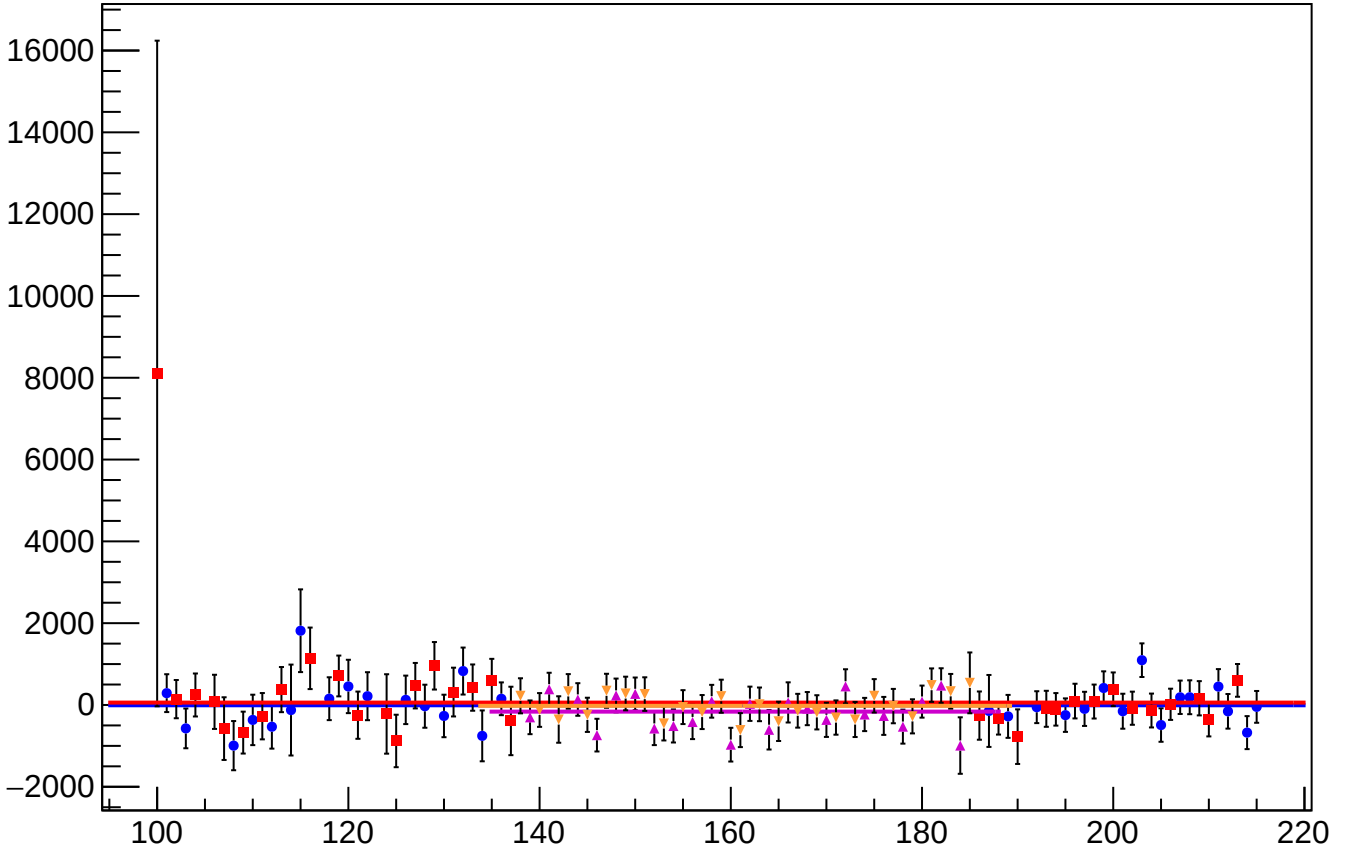
Right: 306.204+/-0.035 χ^2/NDF: 257226.5/63

In: 326.507+/-0.038 χ^2/NDF:2409646.1/53

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

All: 328.278+/-0.027 χ^2/NDF: 4869063.5/110

asym_dsr_mean vs Slug, Sign Corrected



Right In: -7.358+/-86.799 χ^2/NDF: 28.7/30

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 58.303+/-88.157 χ^2/NDF: 22.7/32

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

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

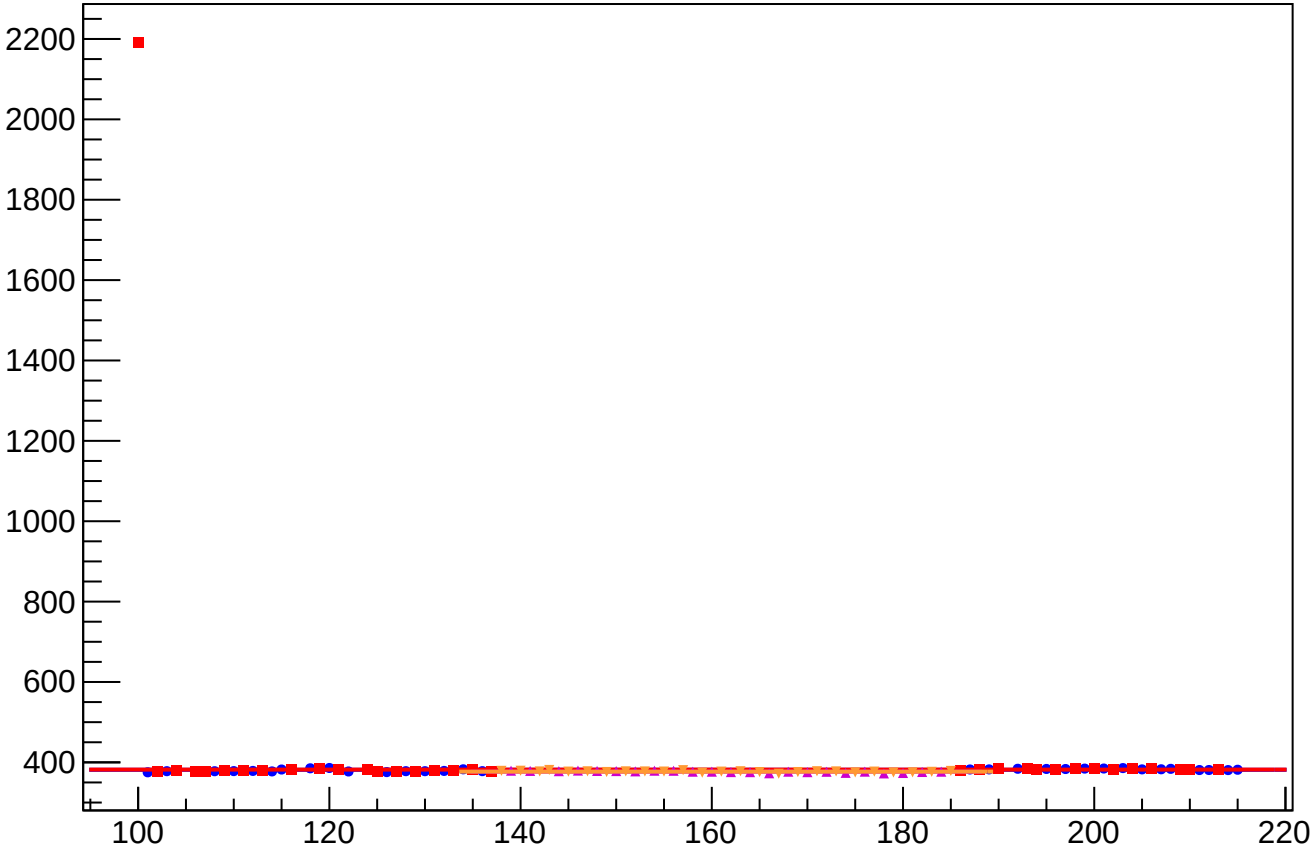
Right: 24.963+/-61.851 χ^2/NDF: 51.7/63

In: -84.113+/-61.793 χ^2/NDF:52.1/53

Out: 17.463+/-61.420 χ^2/NDF:35.7/57

All: -33.017+/-43.562 χ^2/NDF: 89.1/111

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.438+/-0.061 χ^2/NDF: 2253.4/30

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.956+/-0.062 χ^2/NDF: 100695.3/32

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

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

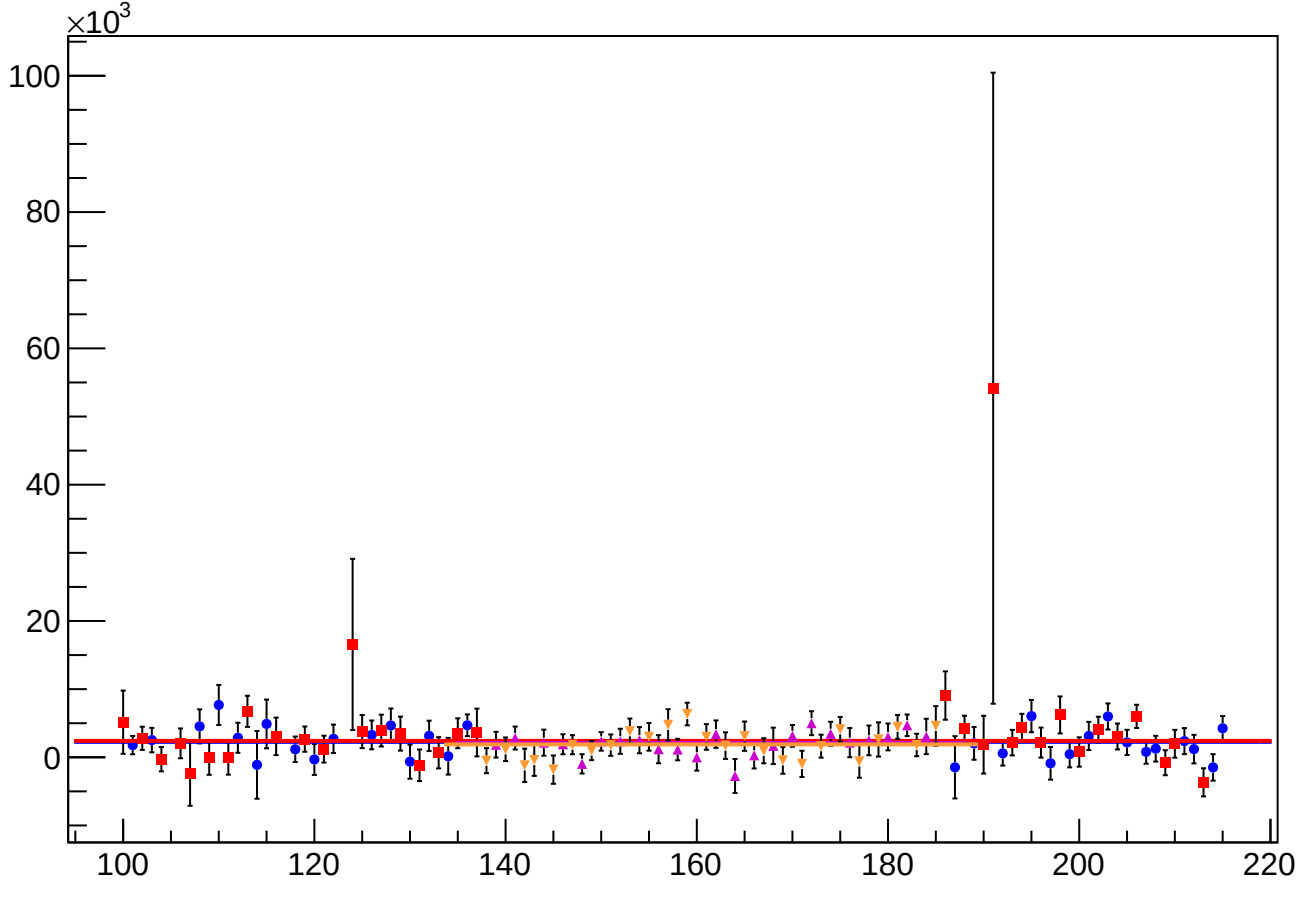
Right: 381.693+/-0.044 χ^2/NDF: 102983.7/63

In: 379.173+/-0.044 χ^2/NDF:6088.5/53

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

All: 379.266+/-0.031 χ^2/NDF: 111228.1/111

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2267.262+/-375.449 χ^2/NDF: 29.6/30

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2407.028+/-392.361 χ^2/NDF: 41.4/33

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

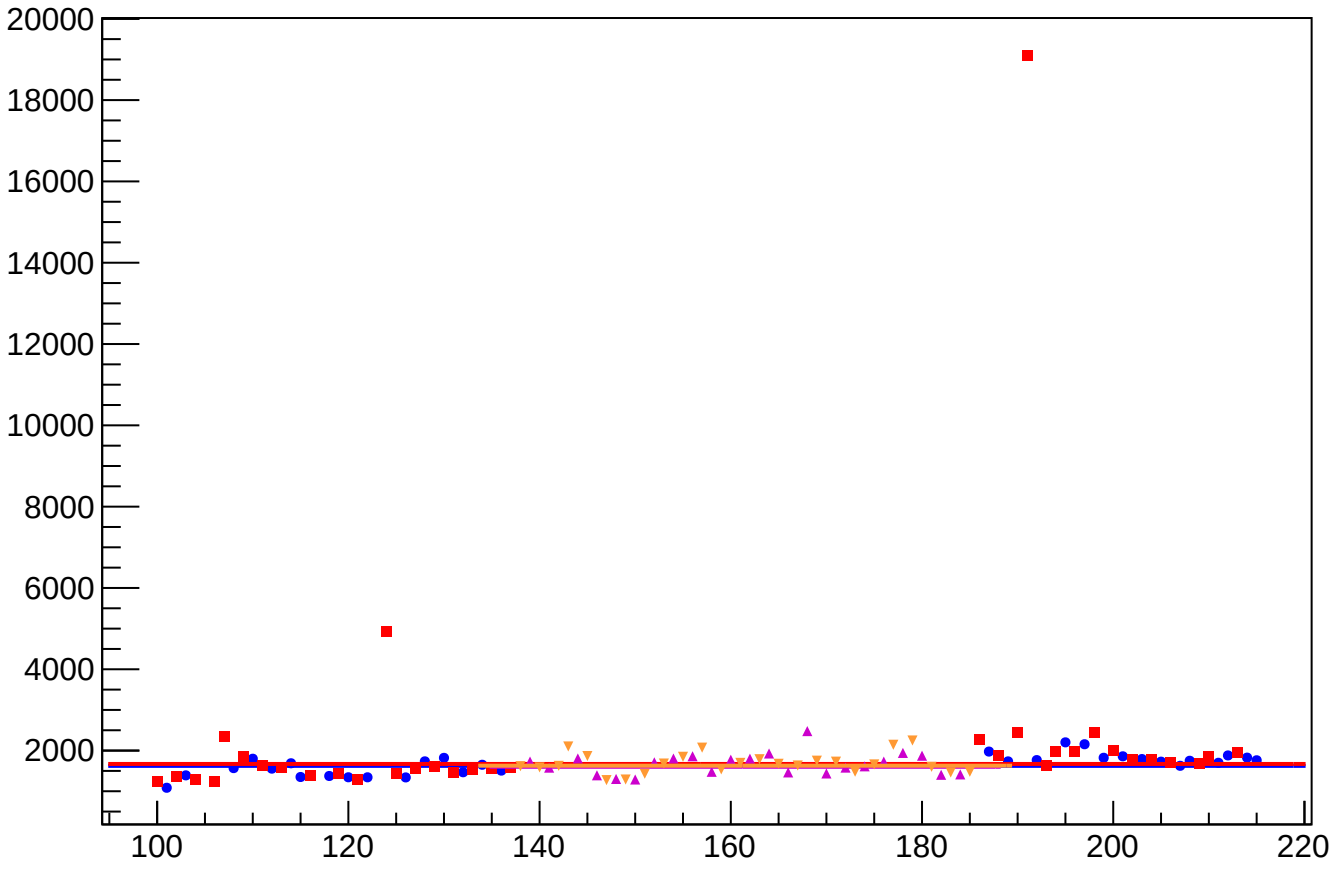
Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

Right: 2334.068+/-271.265 χ^2/NDF: 71.1/64

In: 2187.111+/-266.747 χ^2/NDF:48.3/53

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

All: 2162.790+/-190.175 χ^2/NDF: 119.0/112



Right In: 1624.076+/-0.265 χ^2/NDF: 945526.8/30

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1671.088+/-0.277 χ^2/NDF: 1420359.9/33

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

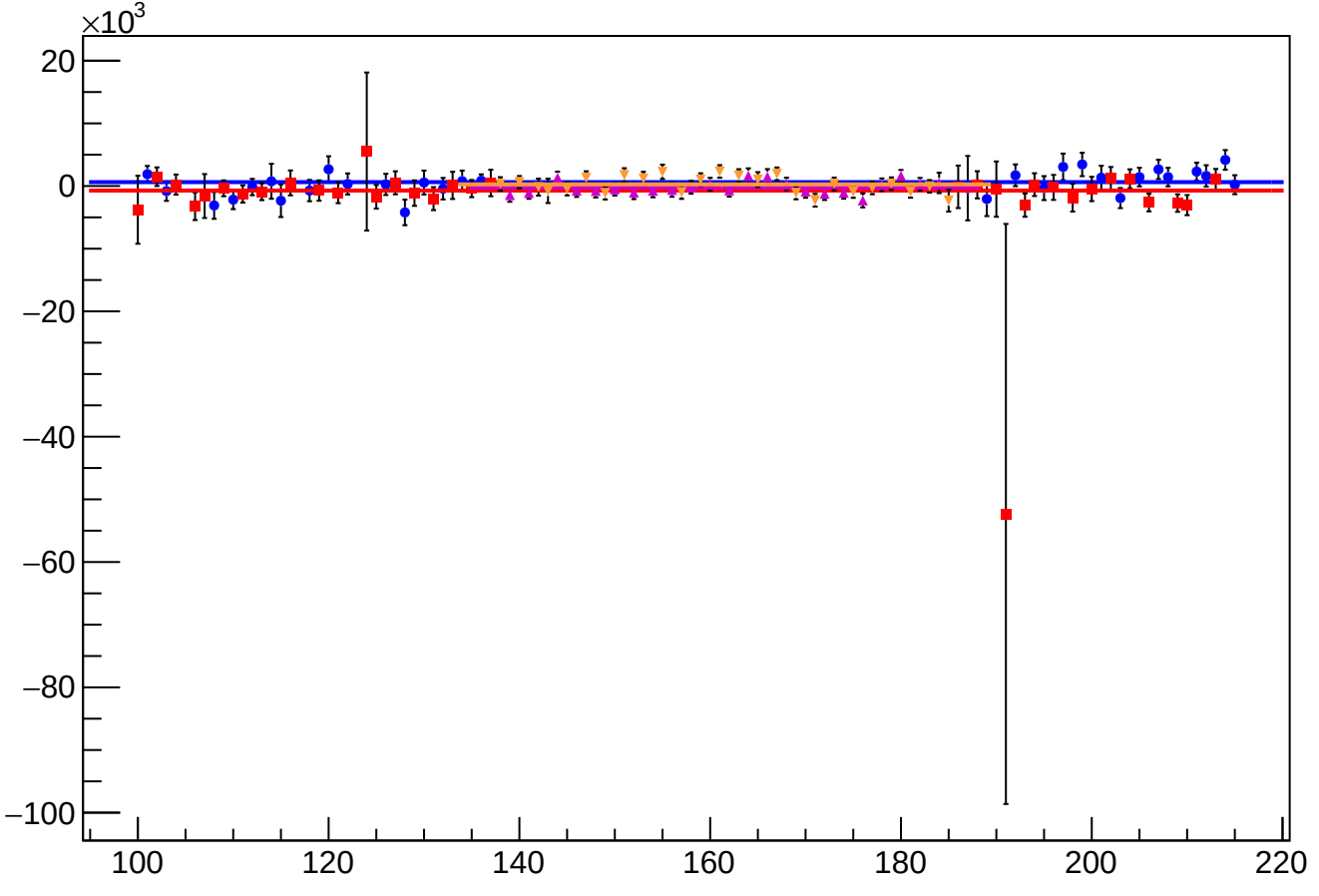
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1646.547+/-0.192 χ^2/NDF: 2380875.1/64

In: 1612.894+/-0.189 χ^2/NDF:1742831.9/53

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

All: 1630.567+/-0.134 χ^2/NDF: 3972459.0/11



Right In: 624.308+/-302.729 χ^2/NDF: 34.7/30

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -724.681+/-315.049 χ^2/NDF: 20.4/33

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

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

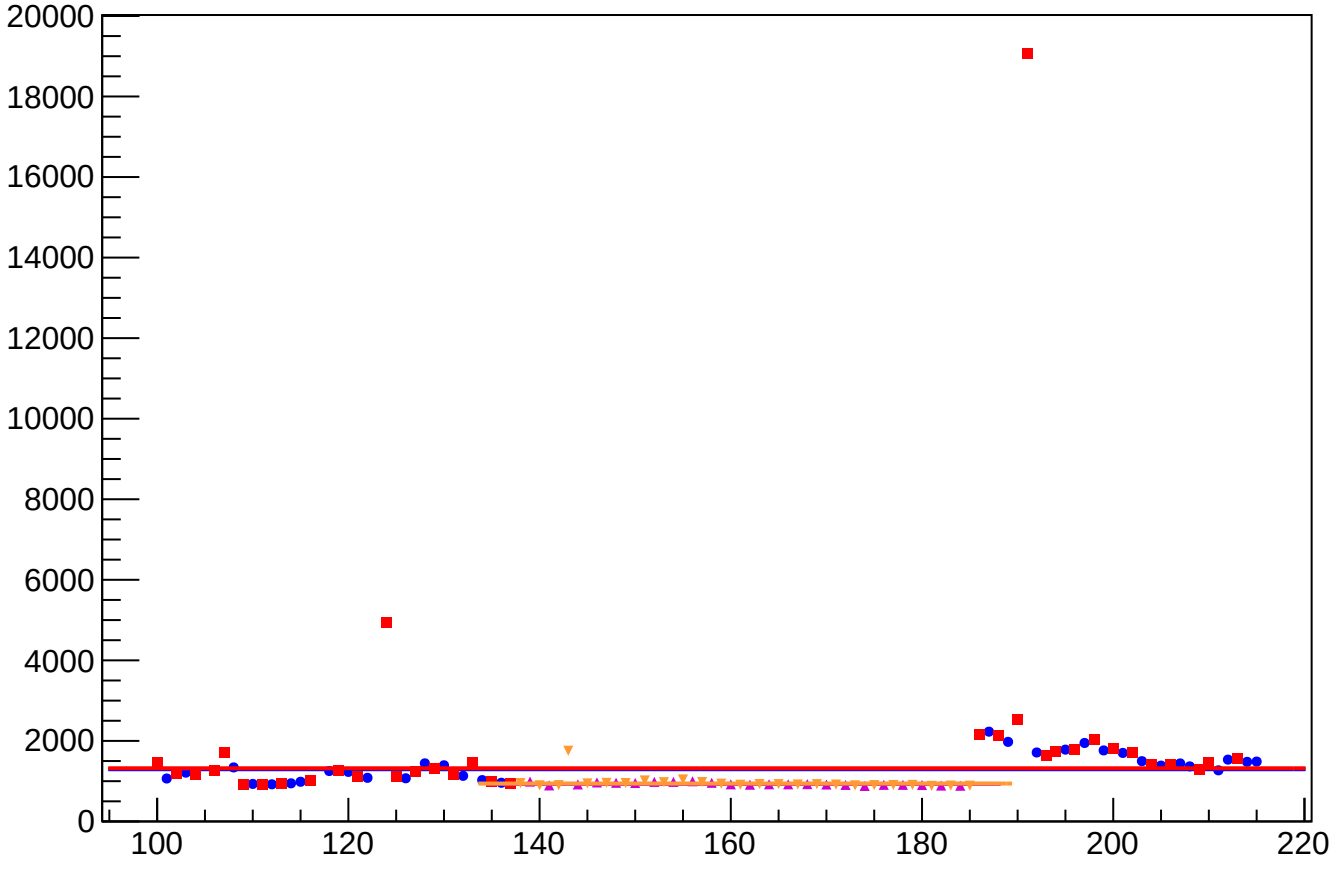
Right: -23.296+/-218.287 χ^2/NDF: 64.6/64

In: 36.749+/-176.736 χ^2/NDF:61.8/53

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

All: -7.005+/-125.264 χ^2/NDF: 122.8/112

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1296.808+/-0.214 χ^2/NDF: 1777220.2/30

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1320.329+/-0.223 χ^2/NDF: 2698775.0/33

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

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

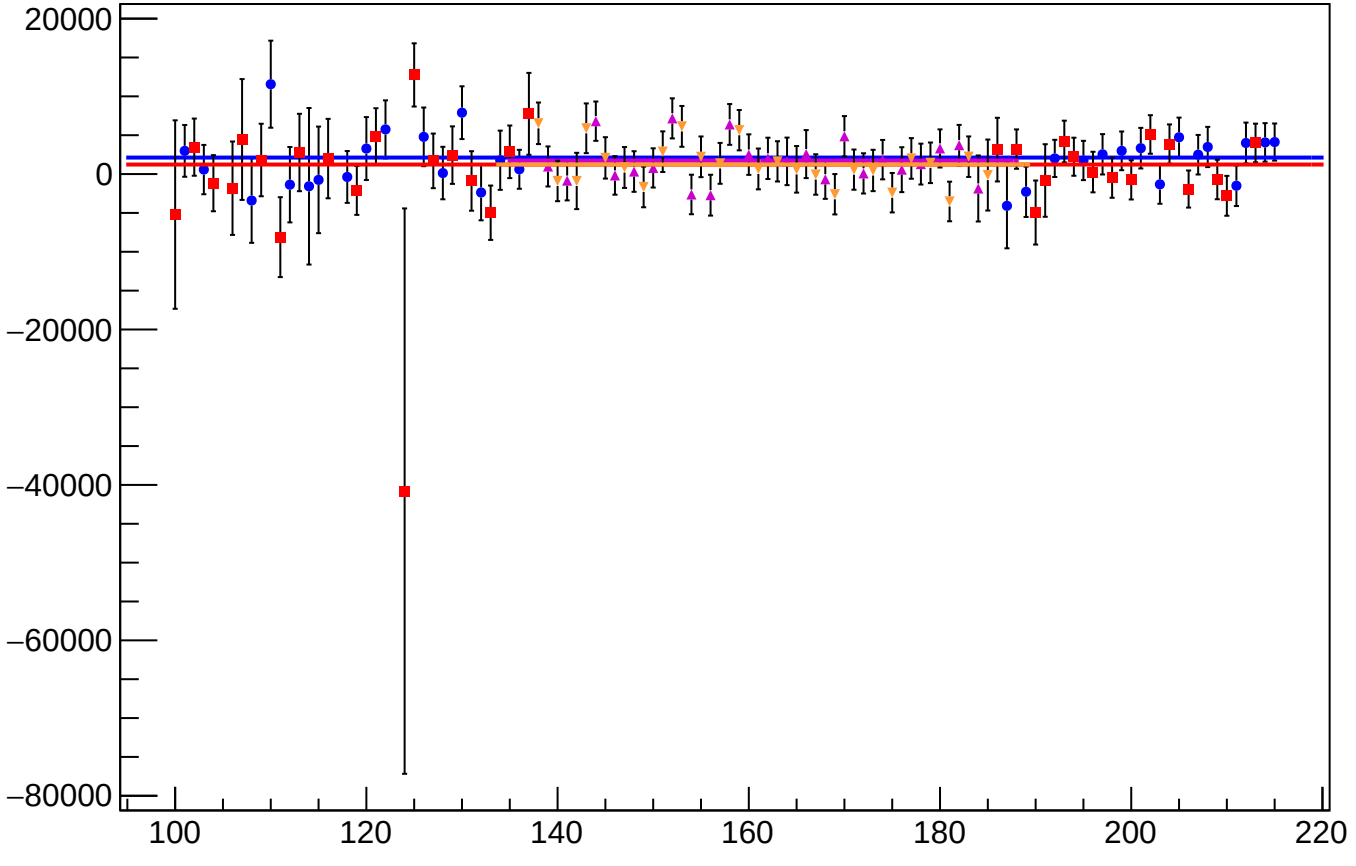
Right: 1308.100+/-0.154 χ^2/NDF: 4481791.3/64

In: 1056.050+/-0.125 χ^2/NDF:3745190.6/53

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

All: 1058.766+/-0.089 χ^2/NDF: 8840847.8/11

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2122.109+/-553.191 χ^2/NDF: 22.8/30

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1225.757+/-570.233 χ^2/NDF: 37.2/33

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

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

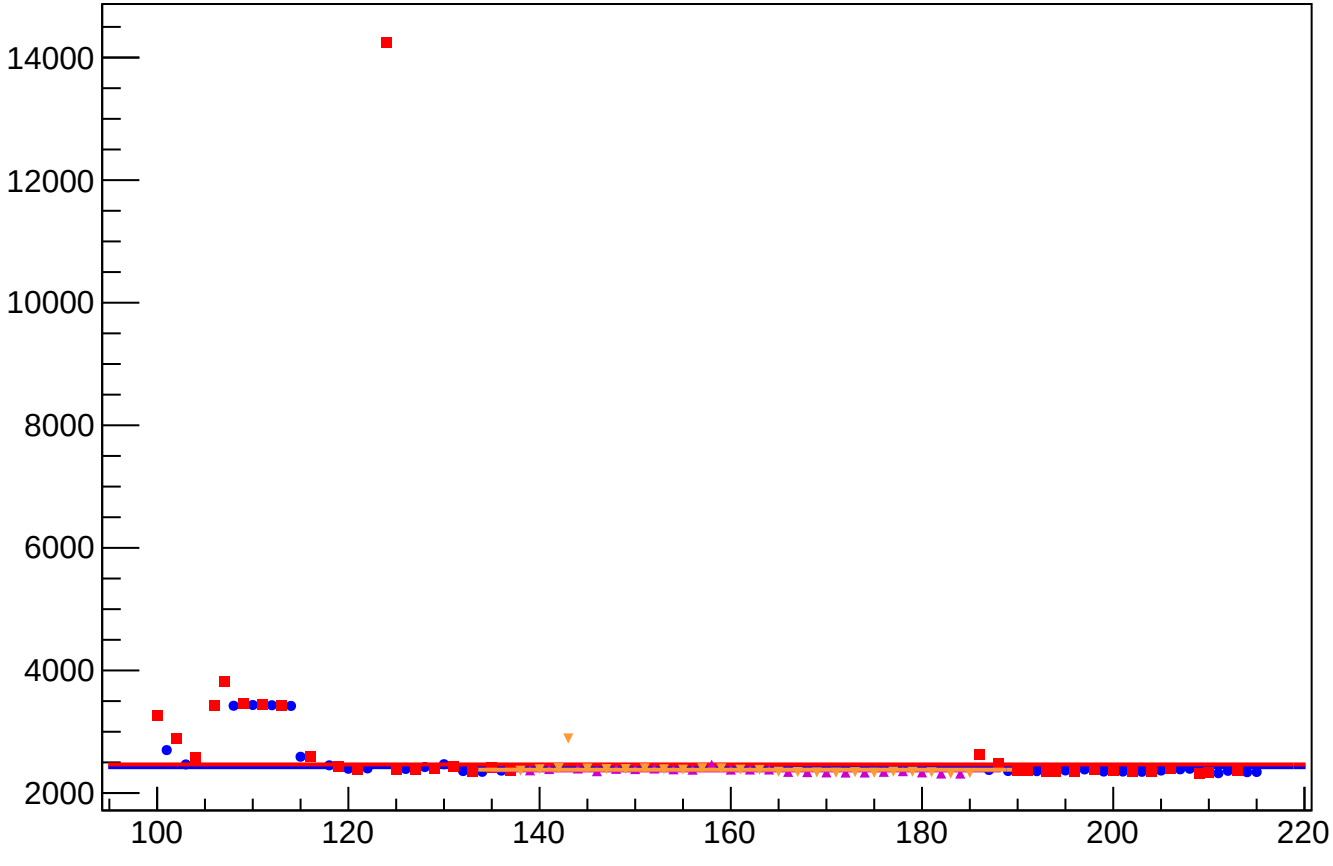
Right: 1687.527+/-397.053 χ^2/NDF: 61.3/64

In: 1931.941+/-391.187 χ^2/NDF:47.4/53

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

All: 1582.458+/-277.103 χ^2/NDF: 110.1/112

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2422.068+/-0.391 χ^2/NDF: 276971.2/30

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2466.459+/-0.403 χ^2/NDF: 650339.0/33

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

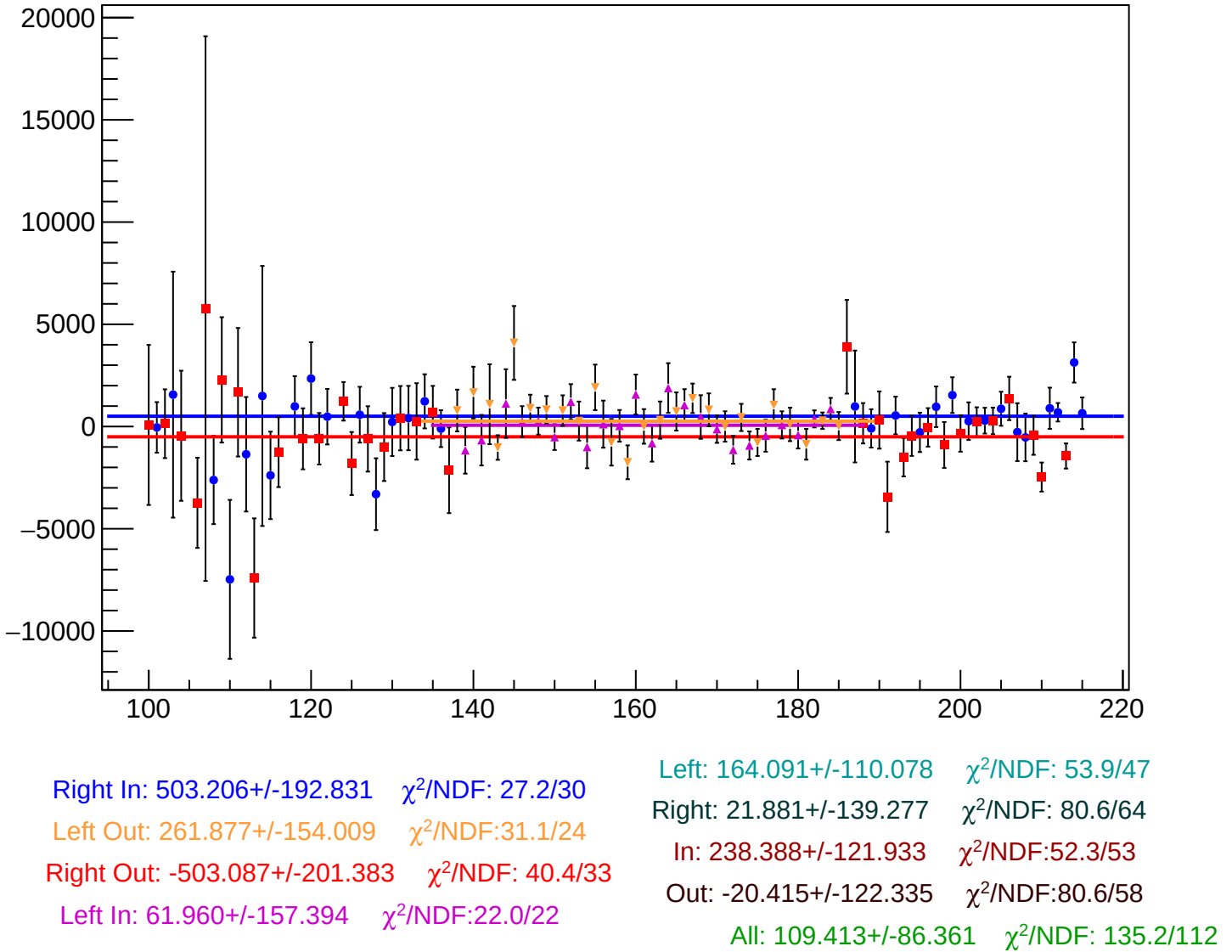
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2443.590+/-0.281 χ^2/NDF: 933554.1/64

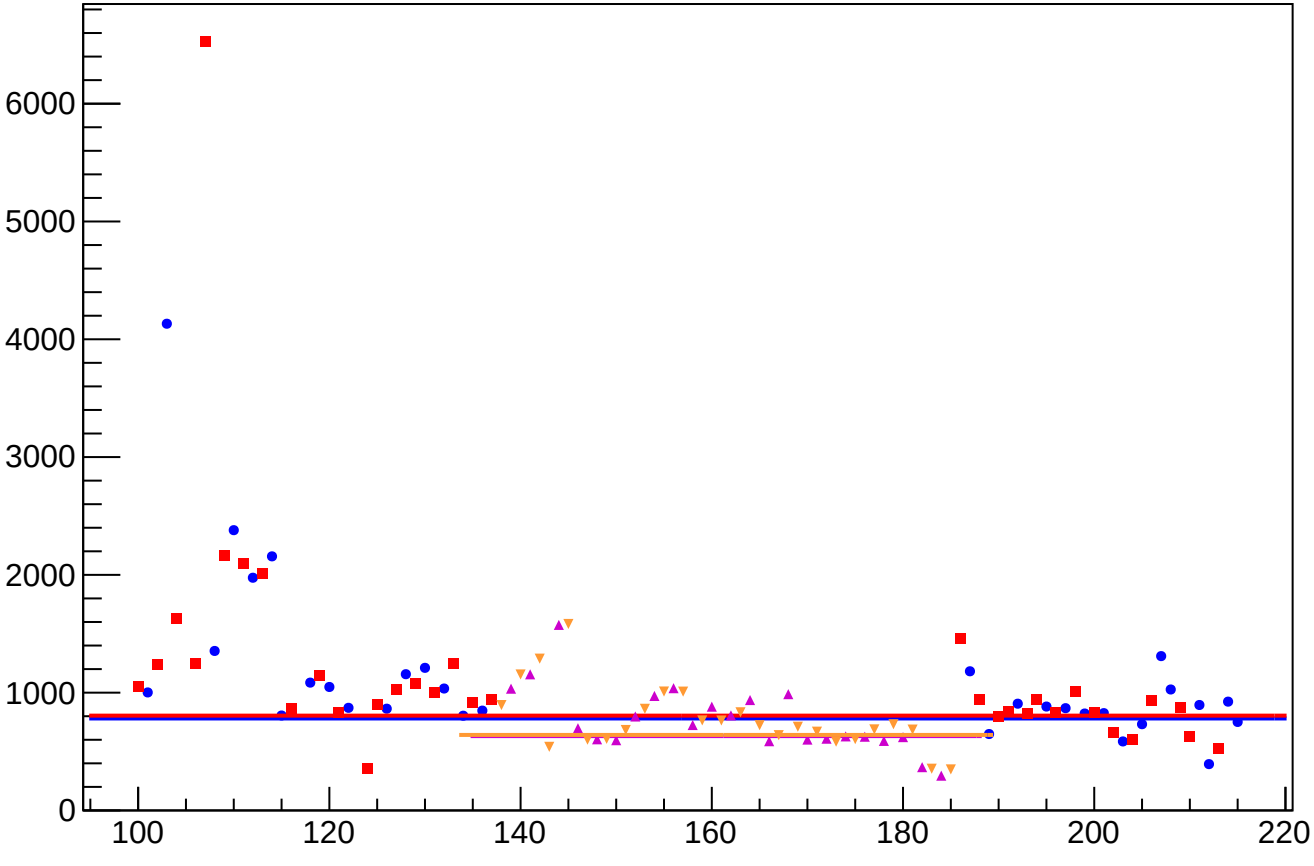
In: 2395.729+/-0.277 χ^2/NDF:293074.0/53

Out: 2421.629+/-0.278 χ^2/NDF:731461.0/58

All: 2408.633+/-0.196 χ^2/NDF: 1028903.1/11


asym_atl1_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 503.206+/-192.831 χ²/NDF: 27.2/30
Left Out: 261.877+/-154.009 χ²/NDF:31.1/24
Right Out: -503.087+/-201.383 χ²/NDF: 40.4/33
Left In: 61.960+/-157.394 χ²/NDF:22.0/22
Left: 164.091+/-110.078 χ²/NDF: 53.9/47
Right: 21.881+/-139.277 χ²/NDF: 80.6/64
In: 238.388+/-121.933 χ²/NDF:52.3/53
Out: -20.415+/-122.335 χ²/NDF:80.6/58
All: 109.413+/-86.361 χ²/NDF: 135.2/112

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 780.884+/-0.136 χ^2/NDF: 4336567.8/30

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 804.973+/-0.142 χ^2/NDF: 3784354.6/33

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

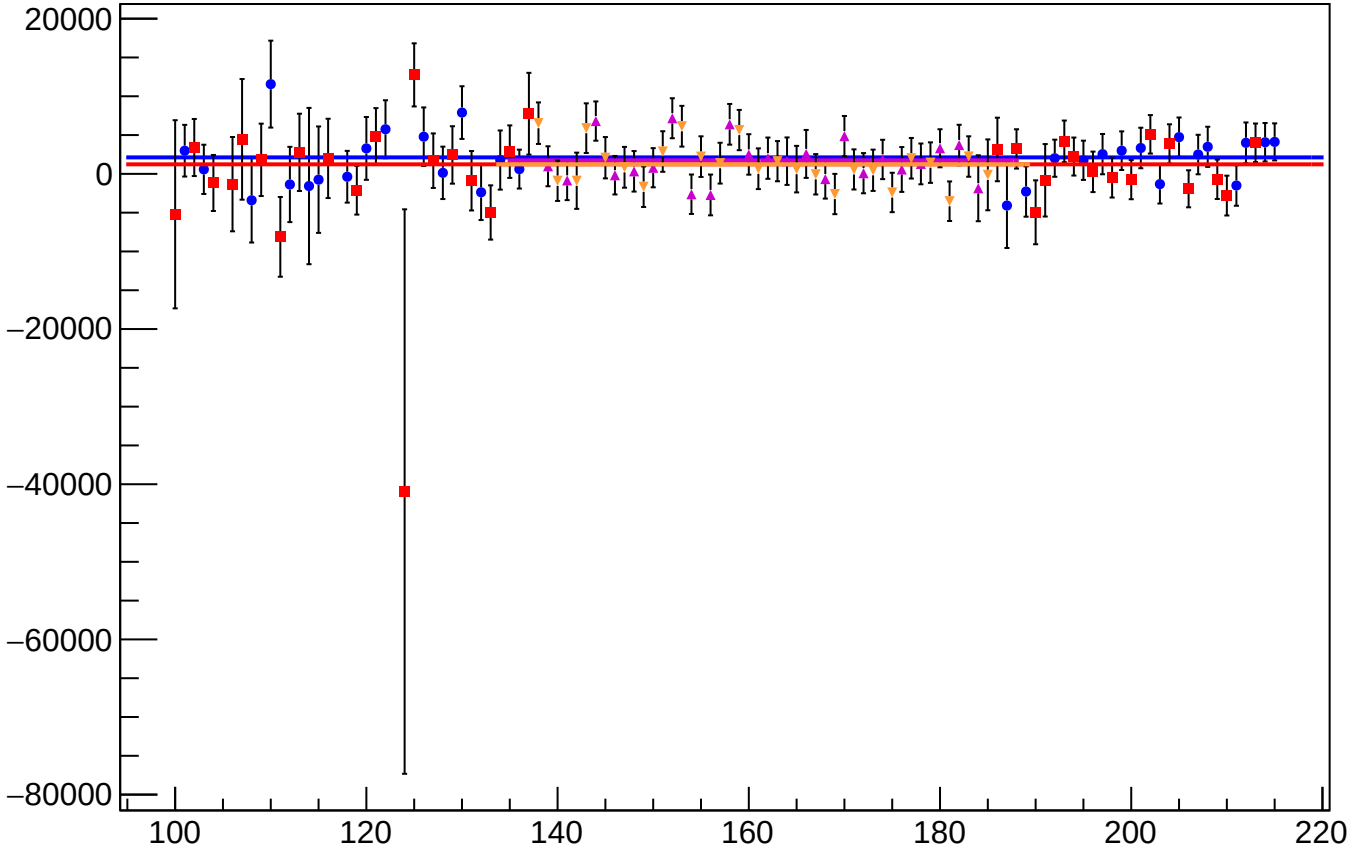
Right: 792.406+/-0.098 χ^2/NDF: 8135850.8/64

In: 691.049+/-0.086 χ^2/NDF:9035280.1/53

Out: 701.609+/-0.087 χ^2/NDF:8094257.4/58

All: 696.312+/-0.061 χ^2/NDF: 17137013.1/11

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2122.317+/-553.191 χ^2/NDF: 22.8/30

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1228.994+/-570.291 χ^2/NDF: 37.1/33

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

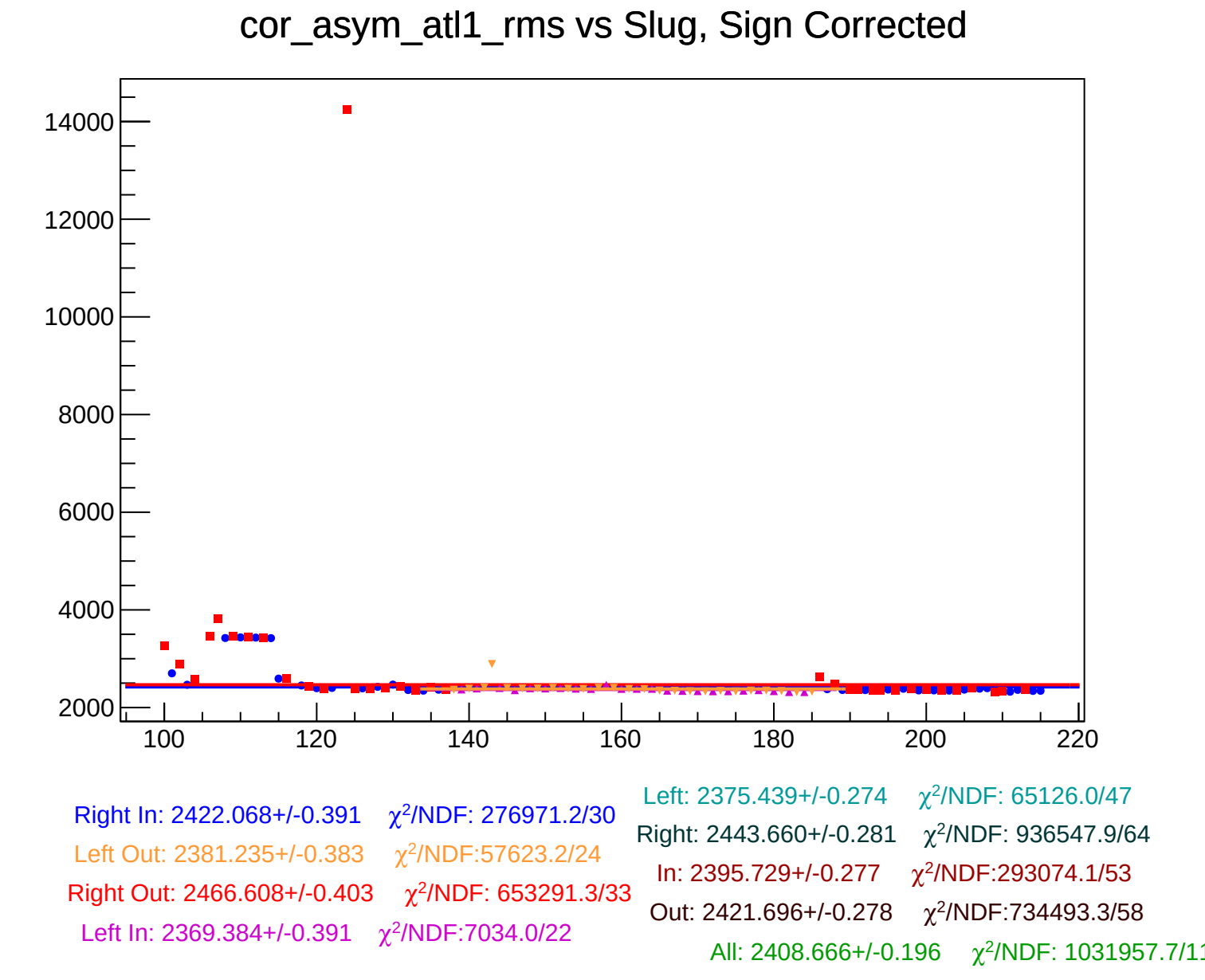
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

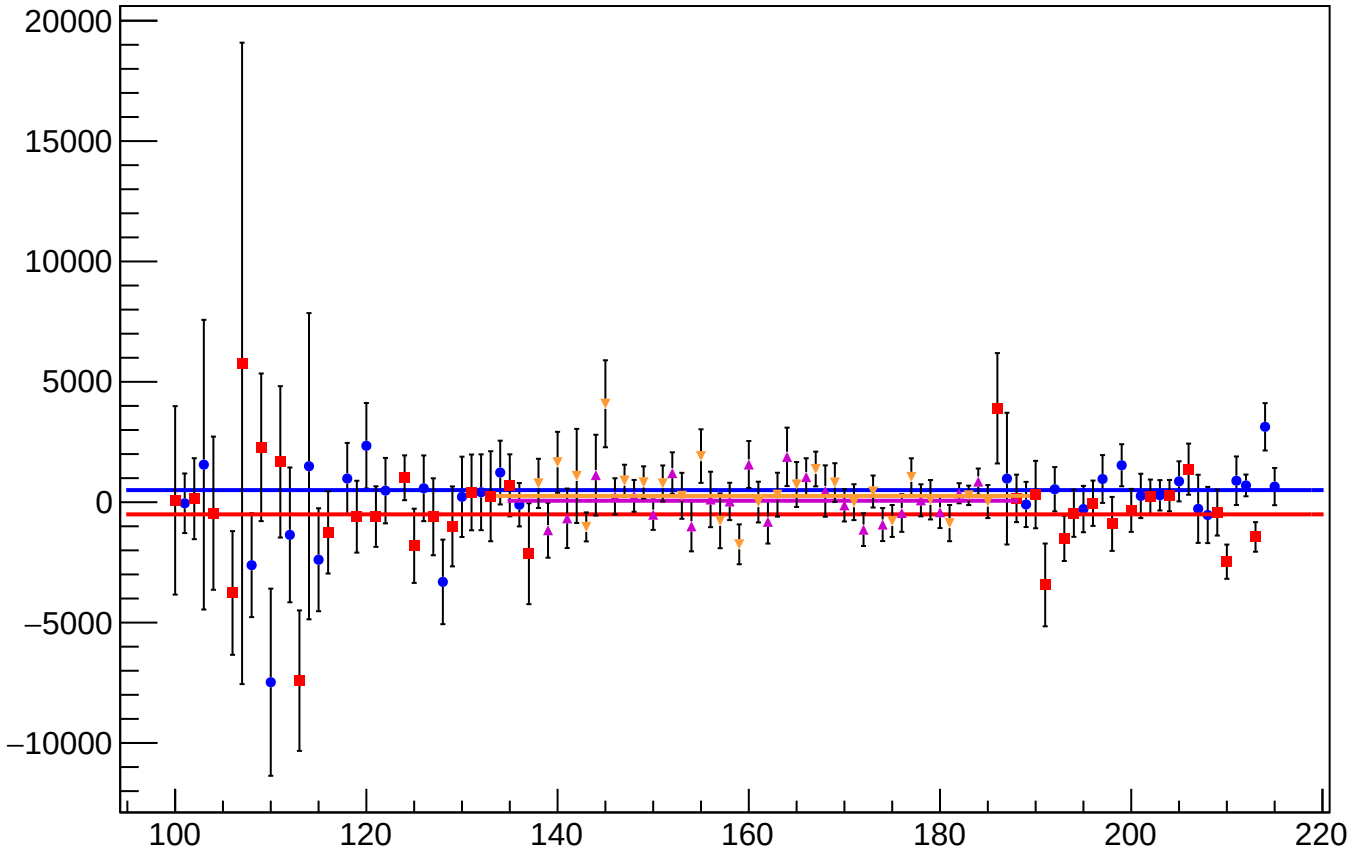
Right: 1689.250+/-397.073 χ^2/NDF: 61.2/64

In: 1932.072+/-391.187 χ^2/NDF:47.4/53

Out: 1231.999+/-392.602 χ^2/NDF:61.0/58

All: 1583.299+/-277.110 χ^2/NDF: 110.0/112


cor_asym_atl1_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 2422.068+/-0.391 χ²/NDF: 276971.2/30
Left Out: 2381.235+/-0.383 χ²/NDF:57623.2/24
Right Out: 2466.608+/-0.403 χ²/NDF: 653291.3/33
Left In: 2369.384+/-0.391 χ²/NDF:7034.0/22
Left: 2375.439+/-0.274 χ²/NDF: 65126.0/47
Right: 2443.660+/-0.281 χ²/NDF: 936547.9/64
In: 2395.729+/-0.277 χ²/NDF:293074.1/53
Out: 2421.696+/-0.278 χ²/NDF:734493.3/58
All: 2408.666+/-0.196 χ²/NDF: 1031957.7/11



Right In: 503.139+/-192.832 χ^2/NDF: 27.2/30

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -503.977+/-201.481 χ^2/NDF: 39.1/33

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

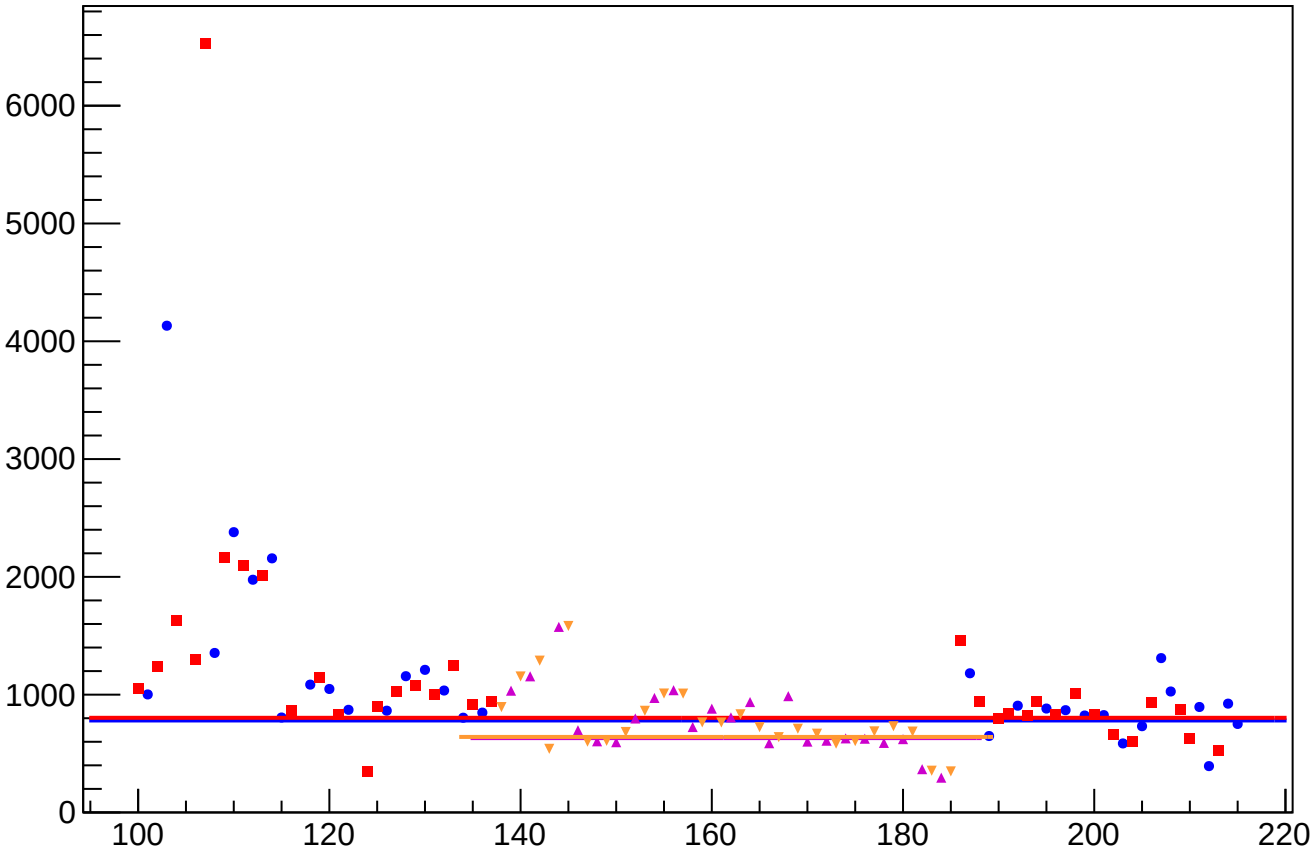
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 21.659+/-139.310 χ^2/NDF: 79.3/64

In: 238.369+/-121.933 χ^2/NDF:52.3/53

Out: -20.398+/-122.358 χ^2/NDF:79.3/58

All: 109.436+/-86.370 χ^2/NDF: 133.9/112



Right In: 780.895+/-0.136 χ^2/NDF: 4336172.7/30

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 803.524+/-0.142 χ^2/NDF: 3798546.7/33

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

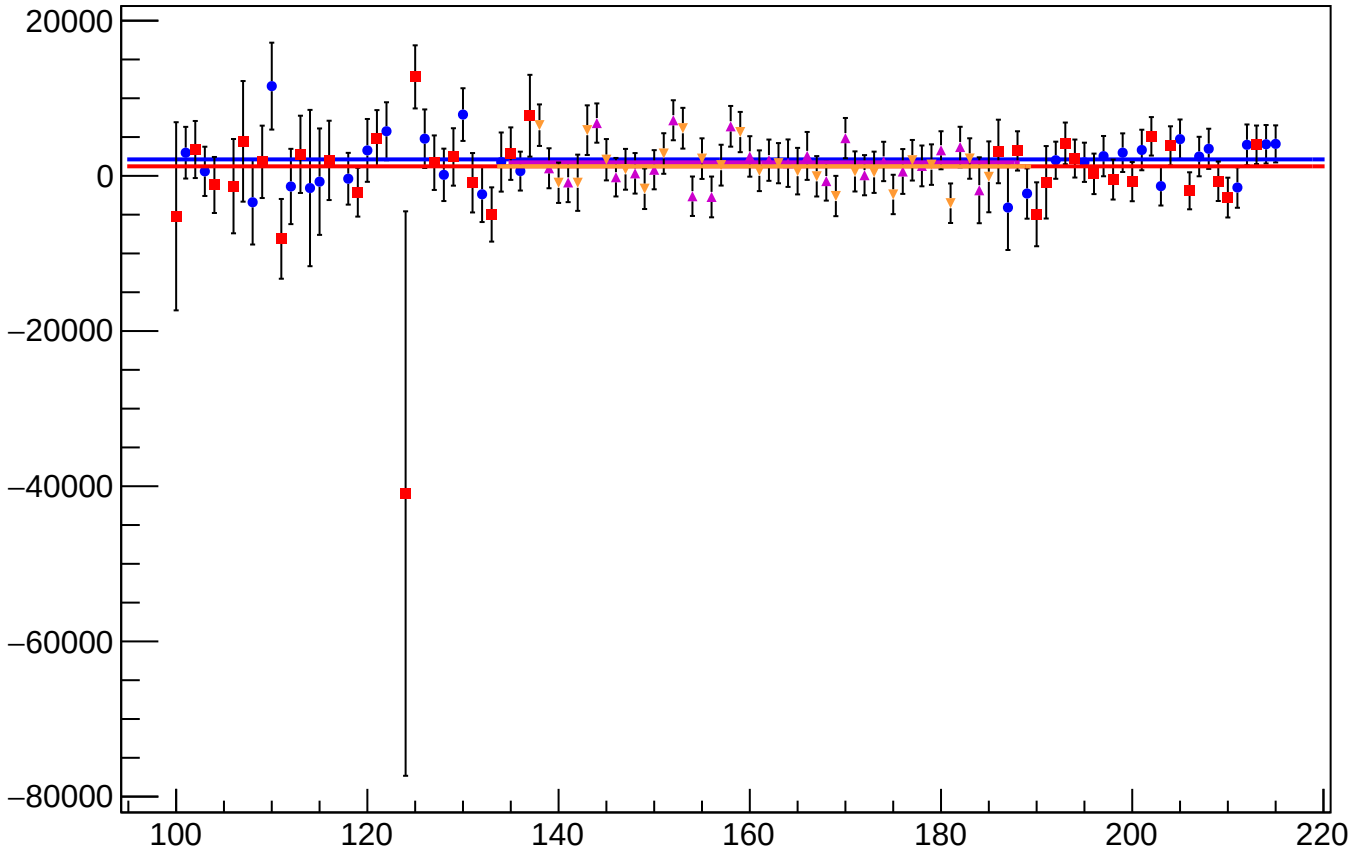
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 791.714+/-0.099 χ^2/NDF: 8147886.4/64

In: 691.051+/-0.086 χ^2/NDF:9035136.7/53

Out: 701.047+/-0.087 χ^2/NDF:8092834.6/58

All: 696.032+/-0.061 χ^2/NDF: 17134668.4/11



Right In: 2122.317+/-553.191 χ^2/NDF: 22.8/30

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1228.994+/-570.291 χ^2/NDF: 37.1/33

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

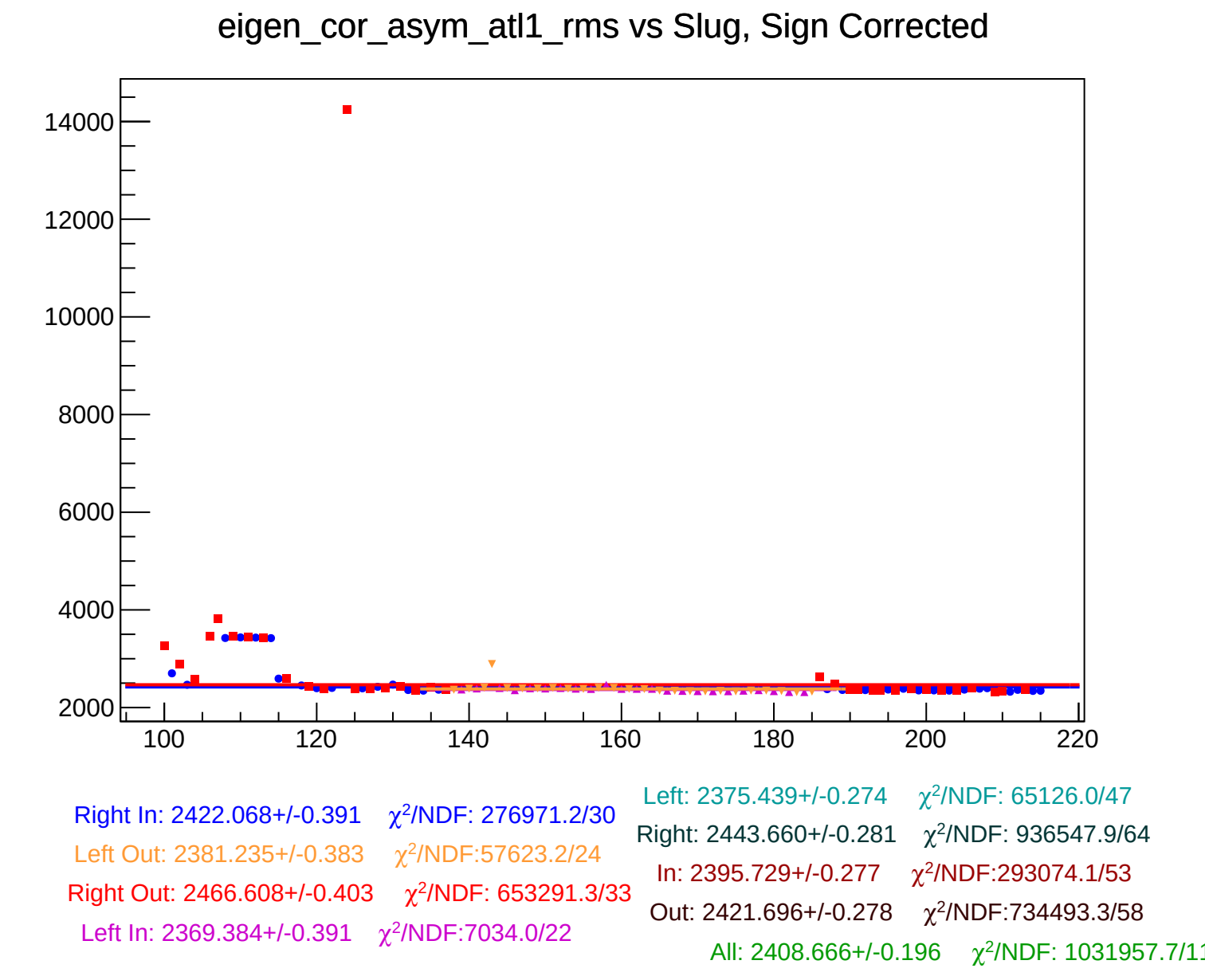
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

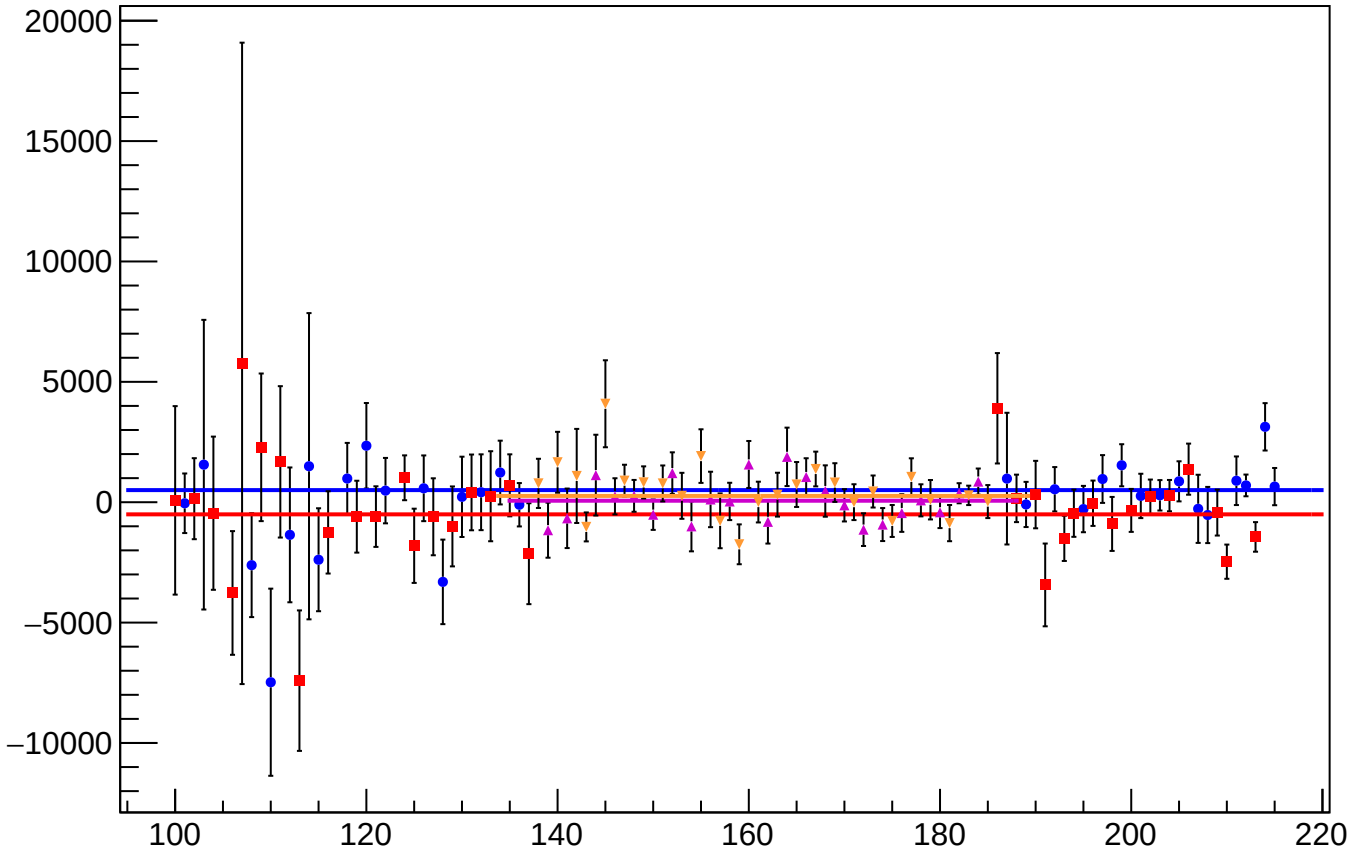
Right: 1689.250+/-397.073 χ^2/NDF: 61.2/64

In: 1932.072+/-391.187 χ^2/NDF:47.4/53

Out: 1231.999+/-392.602 χ^2/NDF:61.0/58

All: 1583.299+/-277.110 χ^2/NDF: 110.0/112


eigen_cor_asym_atl1_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 2422.068+/-0.391 χ²/NDF: 276971.2/30
Left Out: 2381.235+/-0.383 χ²/NDF:57623.2/24
Right Out: 2466.608+/-0.403 χ²/NDF: 653291.3/33
Left In: 2369.384+/-0.391 χ²/NDF:7034.0/22
Left: 2375.439+/-0.274 χ²/NDF: 65126.0/47
Right: 2443.660+/-0.281 χ²/NDF: 936547.9/64
In: 2395.729+/-0.277 χ²/NDF:293074.1/53
Out: 2421.696+/-0.278 χ²/NDF:734493.3/58
All: 2408.666+/-0.196 χ²/NDF: 1031957.7/11



Right In: 503.139+/-192.832 χ^2/NDF: 27.2/30

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -503.977+/-201.481 χ^2/NDF: 39.1/33

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

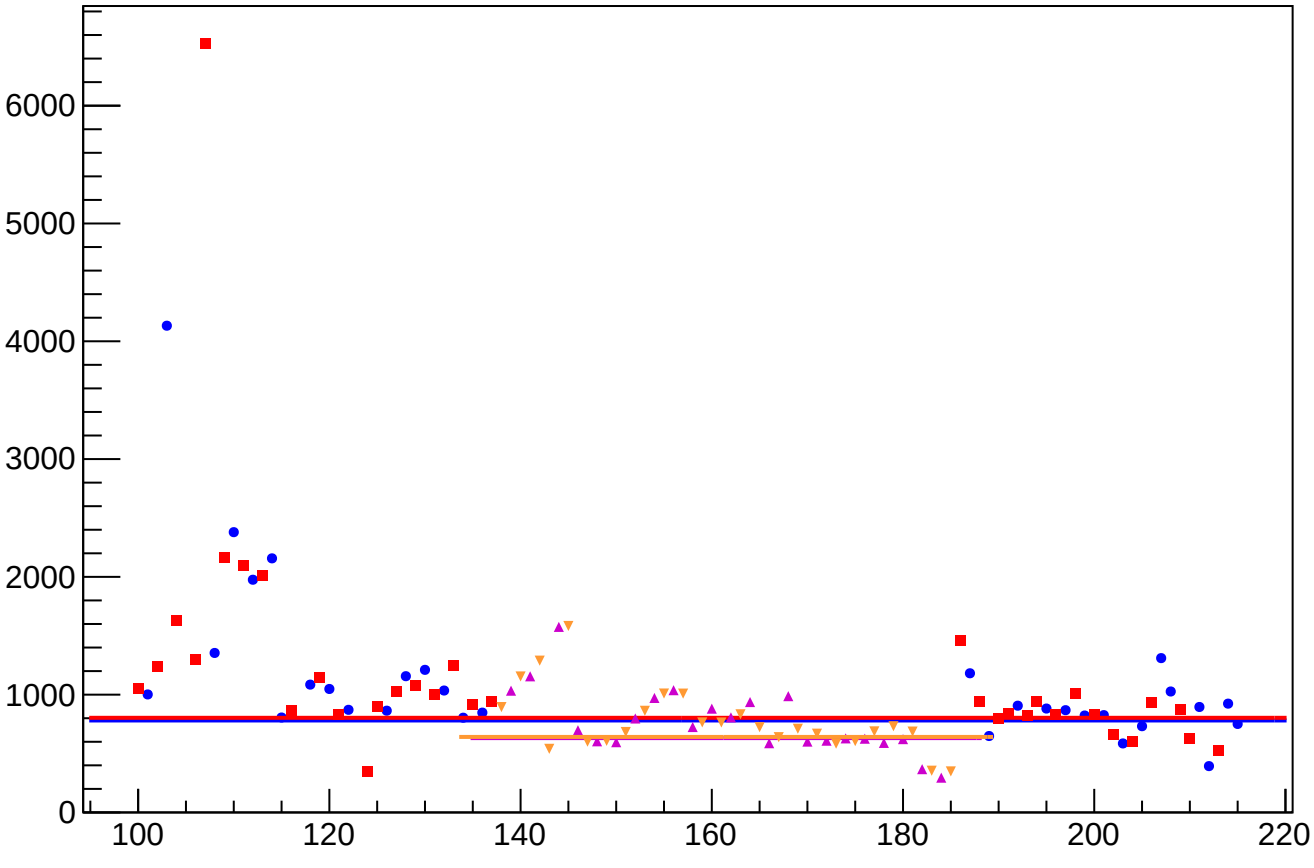
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 21.659+/-139.310 χ^2/NDF: 79.3/64

In: 238.369+/-121.933 χ^2/NDF:52.3/53

Out: -20.398+/-122.358 χ^2/NDF:79.3/58

All: 109.436+/-86.370 χ^2/NDF: 133.9/112



Right In: 780.895+/-0.136 χ^2/NDF: 4336172.7/30

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 803.524+/-0.142 χ^2/NDF: 3798546.7/33

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

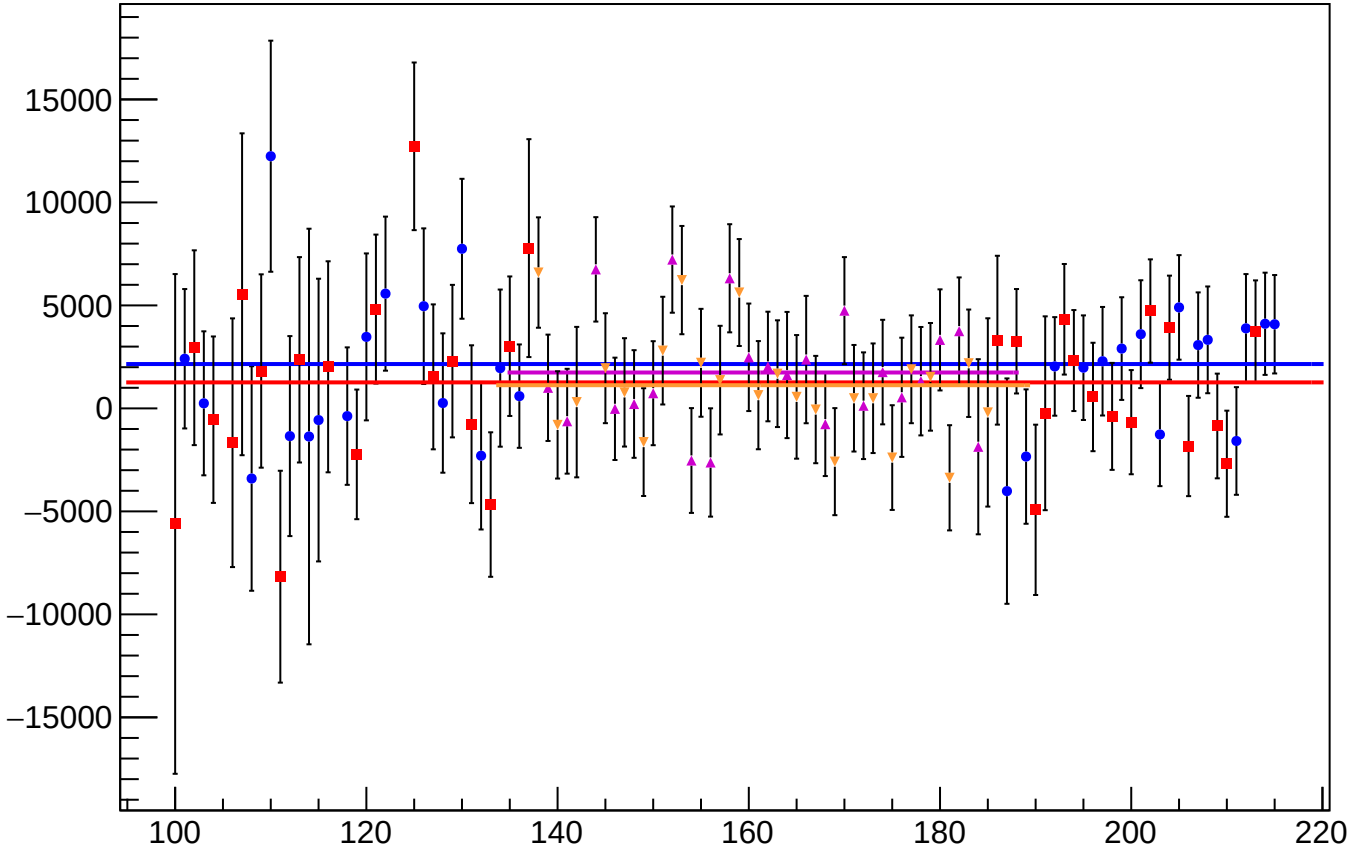
Right: 791.714+/-0.099 χ^2/NDF: 8147886.4/64

In: 691.051+/-0.086 χ^2/NDF:9035136.7/53

Out: 701.047+/-0.087 χ^2/NDF:8092834.6/58

All: 696.032+/-0.061 χ^2/NDF: 17134668.4/11

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2153.080+/-556.244 χ^2/NDF: 23.1/30

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1262.253+/-576.728 χ^2/NDF: 34.2/32

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

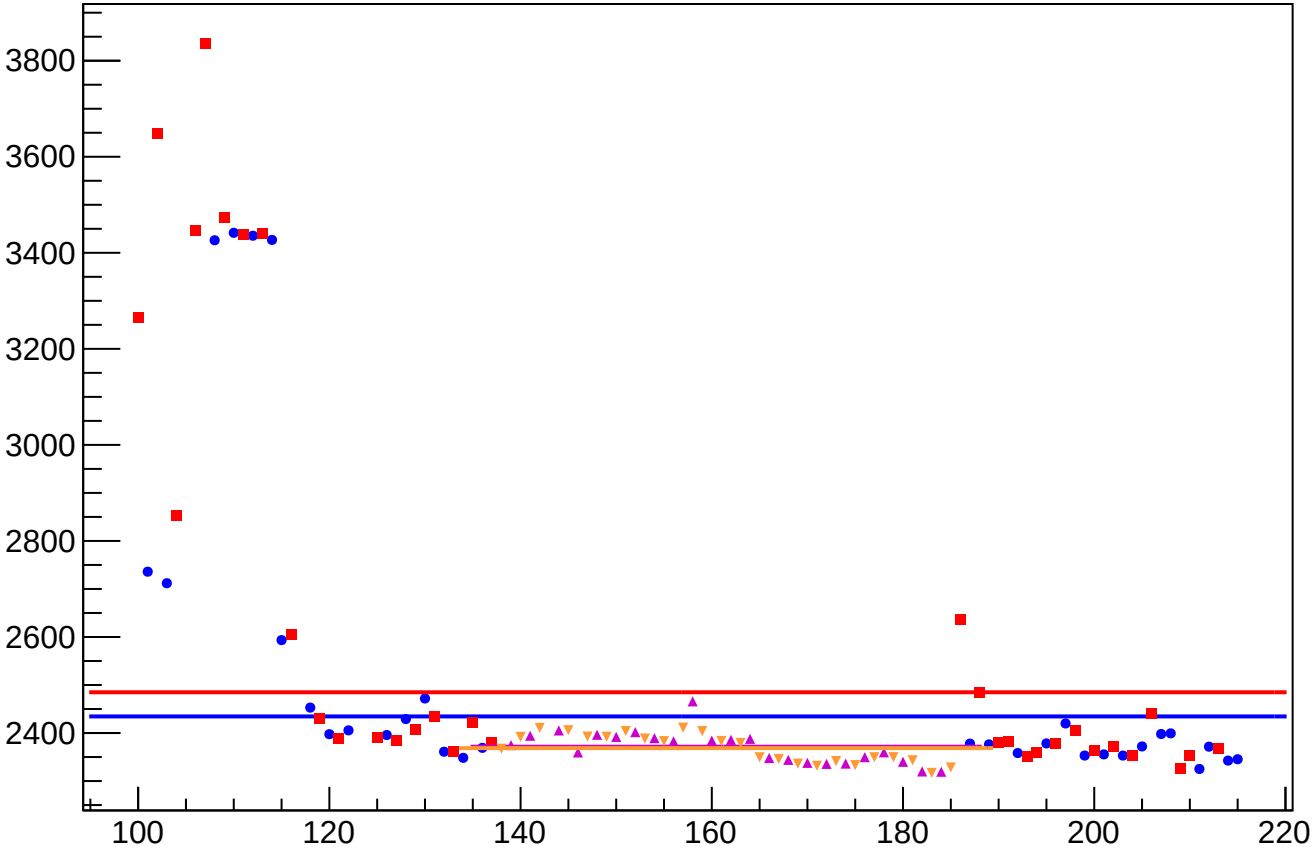
Right: 1723.768+/-400.370 χ^2/NDF: 58.5/63

In: 1946.771+/-392.441 χ^2/NDF:47.1/53

Out: 1190.646+/-397.960 χ^2/NDF:55.4/56

All: 1573.988+/-279.428 χ^2/NDF: 104.4/110

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2434.559+/-0.393 χ^2/NDF: 290766.4/30

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2484.886+/-0.408 χ^2/NDF: 551115.7/32

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

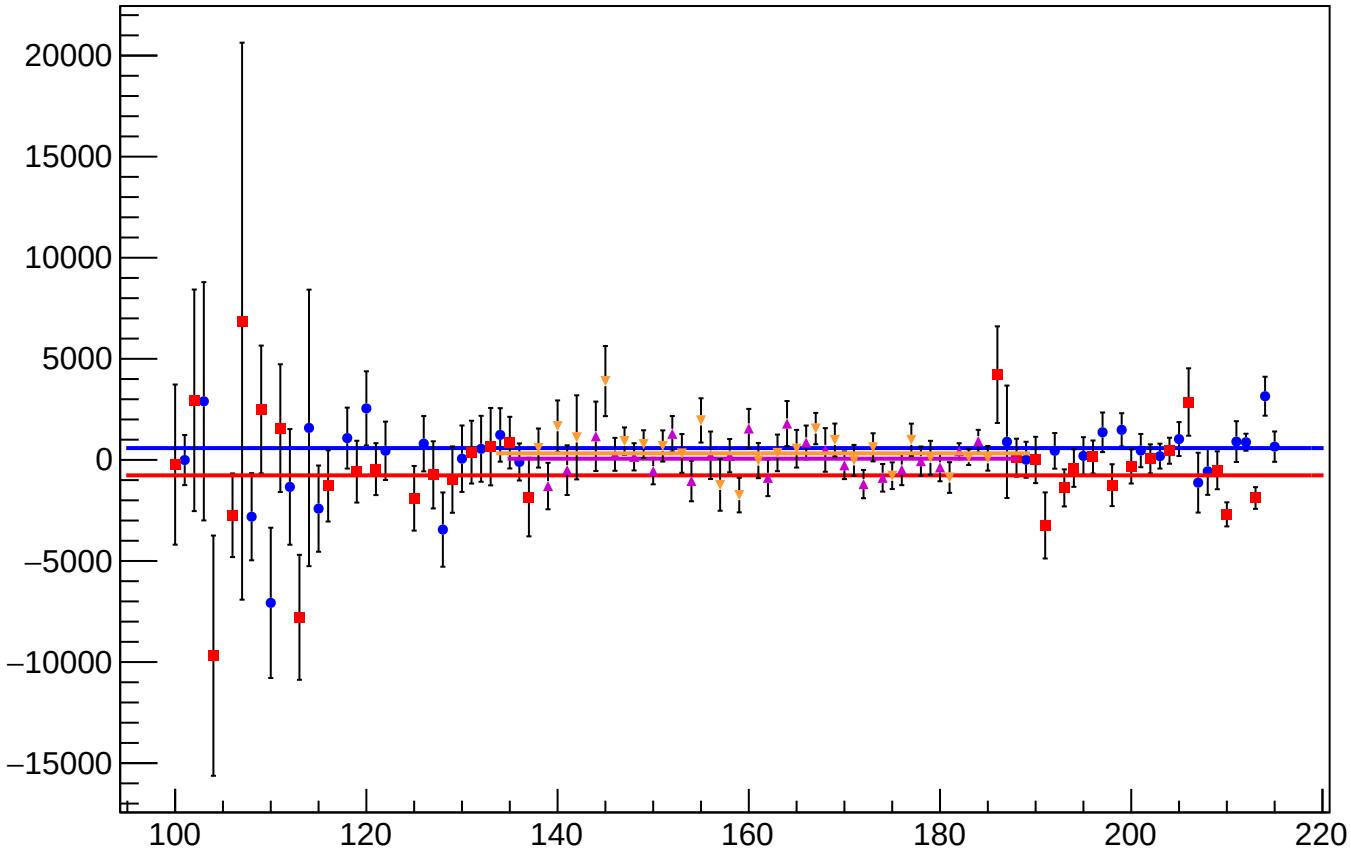
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2458.813+/-0.283 χ^2/NDF: 849772.0/63

In: 2402.897+/-0.277 χ^2/NDF:310721.9/53

Out: 2423.952+/-0.281 χ^2/NDF:599304.3/56

All: 2413.278+/-0.198 χ^2/NDF: 912864.5/110



Right In: 583.899+/-187.451 χ^2/NDF: 29.8/30

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -764.819+/-198.055 χ^2/NDF: 49.2/32

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

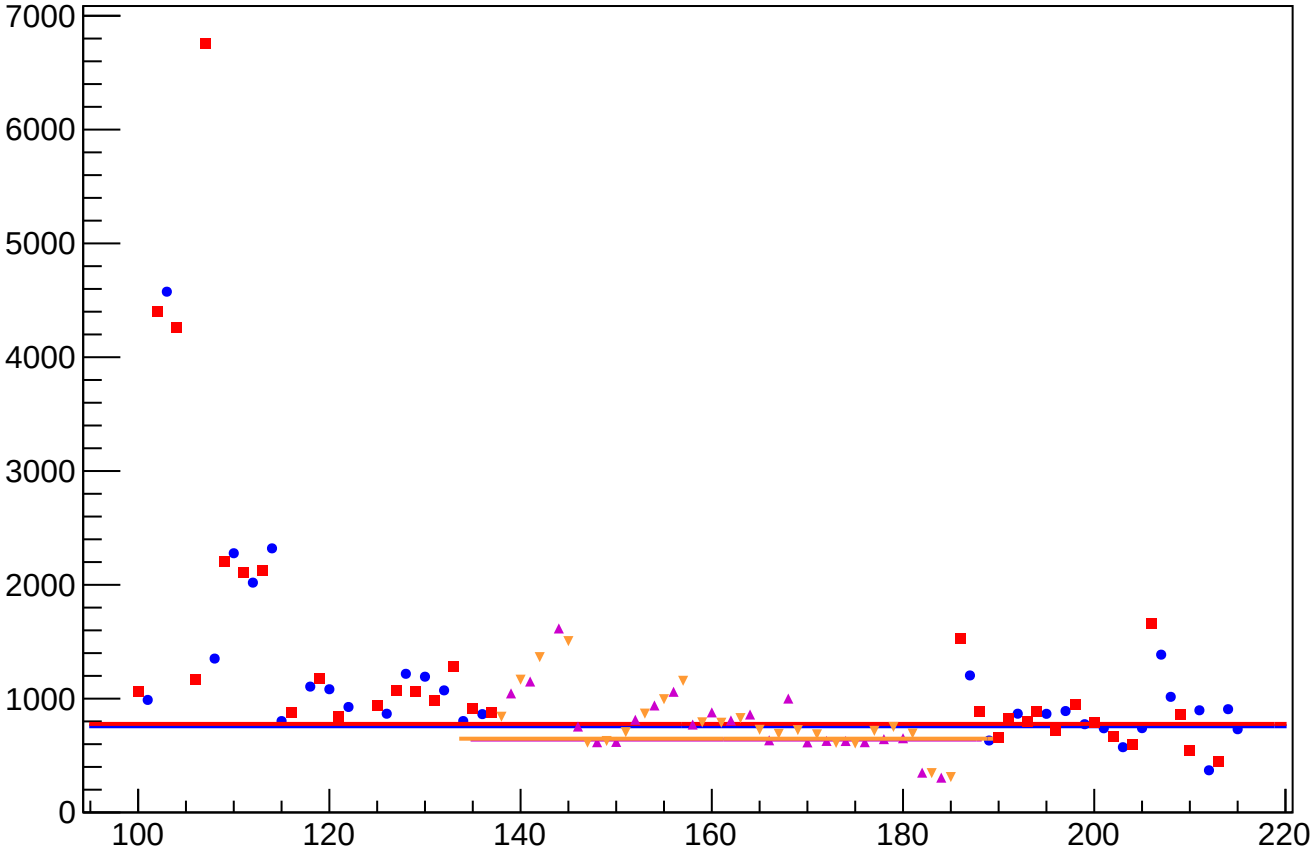
Right: -53.389+/-136.142 χ^2/NDF: 103.4/63

In: 280.066+/-121.551 χ^2/NDF:57.0/53

Out: -104.932+/-124.480 χ^2/NDF:94.3/56

All: 92.150+/-86.966 χ^2/NDF: 156.2/110

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 757.427+/-0.133 χ^2/NDF: 5080794.5/30

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 778.003+/-0.140 χ^2/NDF: 5863377.0/32

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

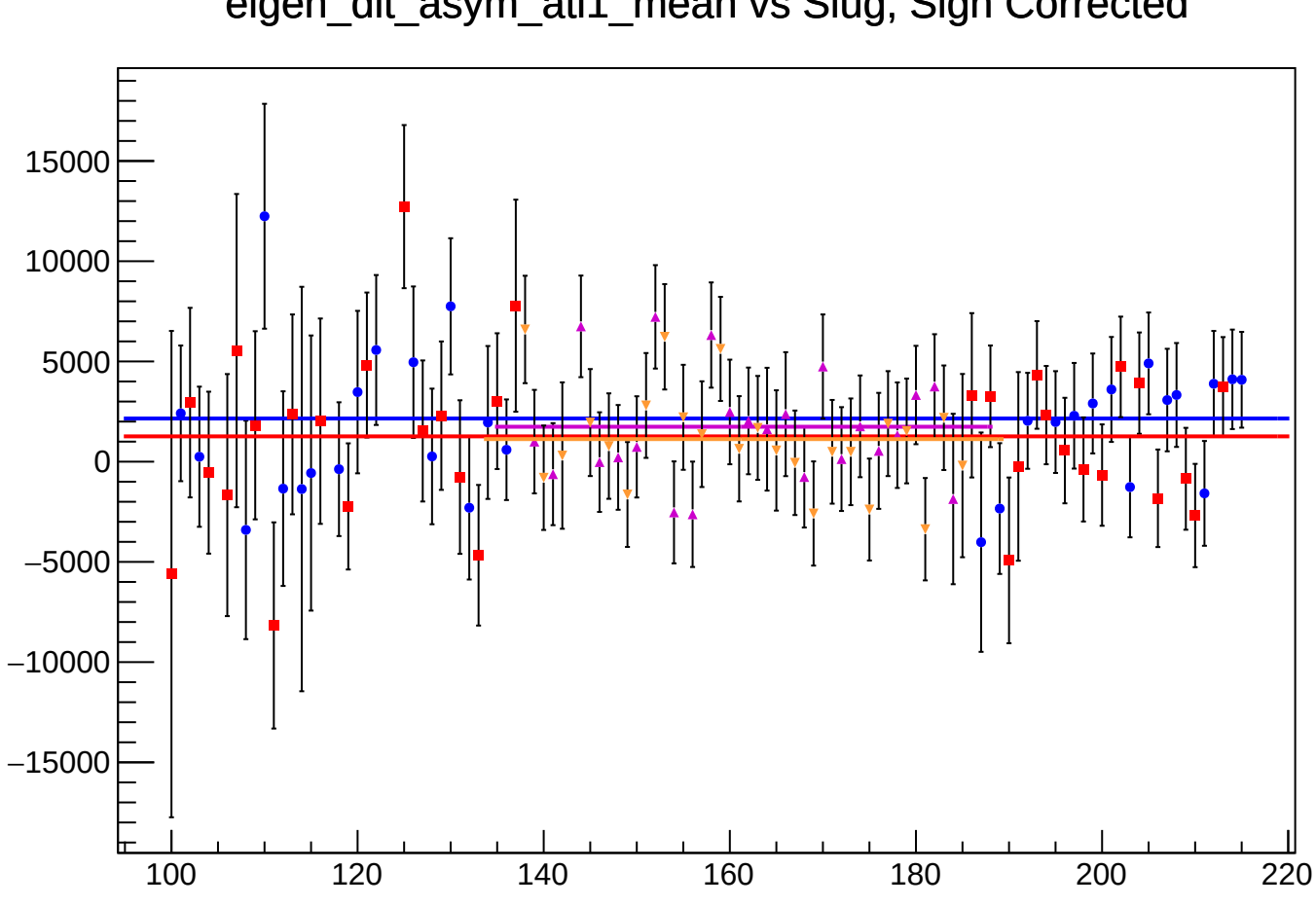
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 767.150+/-0.096 χ^2/NDF: 10955558.3/63

In: 689.620+/-0.086 χ^2/NDF:9661139.0/53

Out: 699.416+/-0.088 χ^2/NDF:10270883.4/56

All: 694.401+/-0.061 χ^2/NDF: 19938362.8/11



Right In: 2153.077+/-556.244 χ^2/NDF: 23.1/30

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1262.253+/-576.728 χ^2/NDF: 34.2/32

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

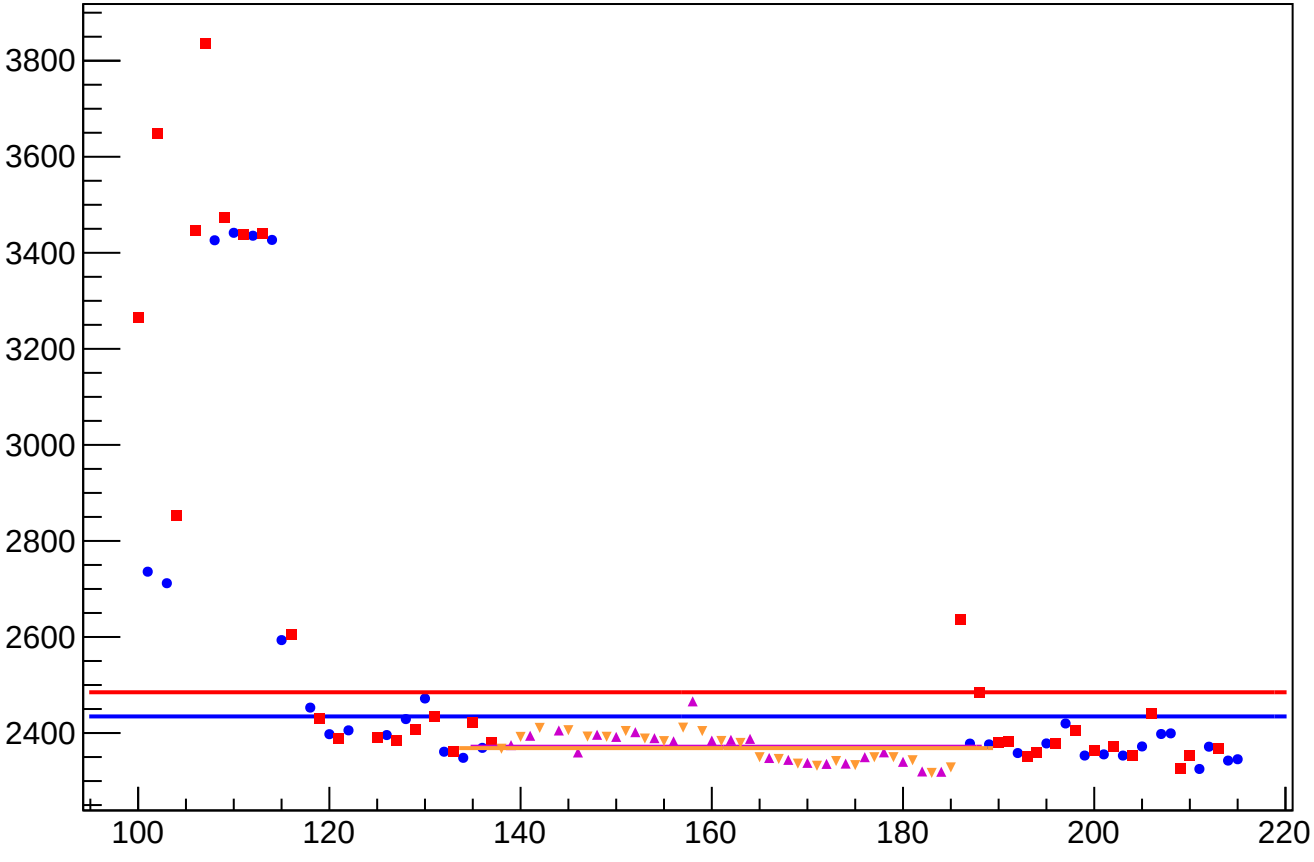
Right: 1723.767+/-400.370 χ^2/NDF: 58.5/63

In: 1946.770+/-392.441 χ^2/NDF:47.1/53

Out: 1190.646+/-397.960 χ^2/NDF:55.4/56

All: 1573.987+/-279.428 χ^2/NDF: 104.4/110

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2434.559+/-0.393 χ^2/NDF: 290765.9/30

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2484.886+/-0.408 χ^2/NDF: 551114.8/32

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

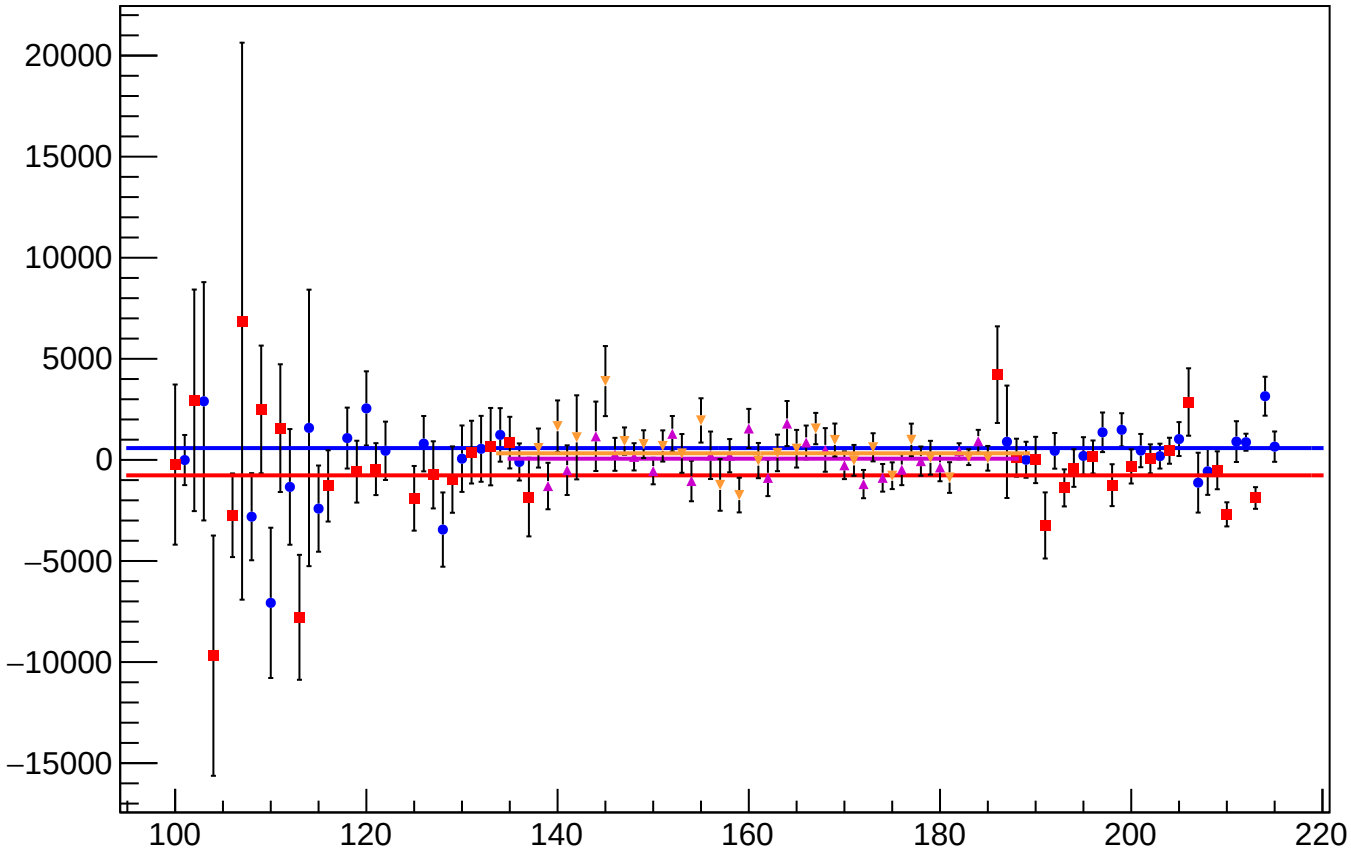
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2458.813+/-0.283 χ^2/NDF: 849770.6/63

In: 2402.897+/-0.277 χ^2/NDF:310721.4/53

Out: 2423.952+/-0.281 χ^2/NDF:599303.3/56

All: 2413.278+/-0.198 χ^2/NDF: 912863.0/110



Right In: 583.898+/-187.450 χ^2/NDF: 29.8/30

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -764.819+/-198.055 χ^2/NDF: 49.2/32

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

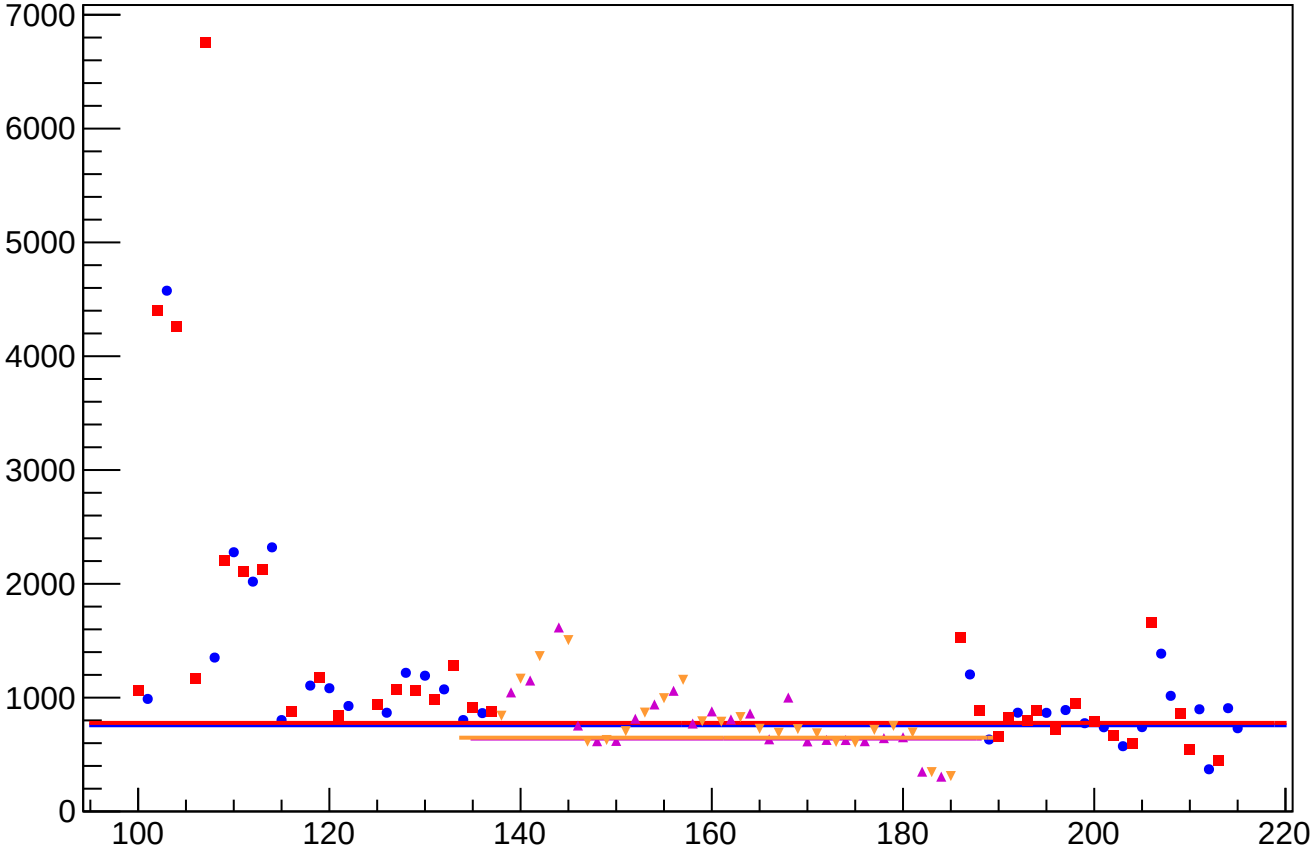
Right: -53.389+/-136.142 χ^2/NDF: 103.4/63

In: 280.066+/-121.551 χ^2/NDF:57.0/53

Out: -104.933+/-124.480 χ^2/NDF:94.3/56

All: 92.150+/-86.966 χ^2/NDF: 156.2/110

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 757.427+/-0.133 χ^2/NDF: 5080801.7/30

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 778.003+/-0.140 χ^2/NDF: 5863386.7/32

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

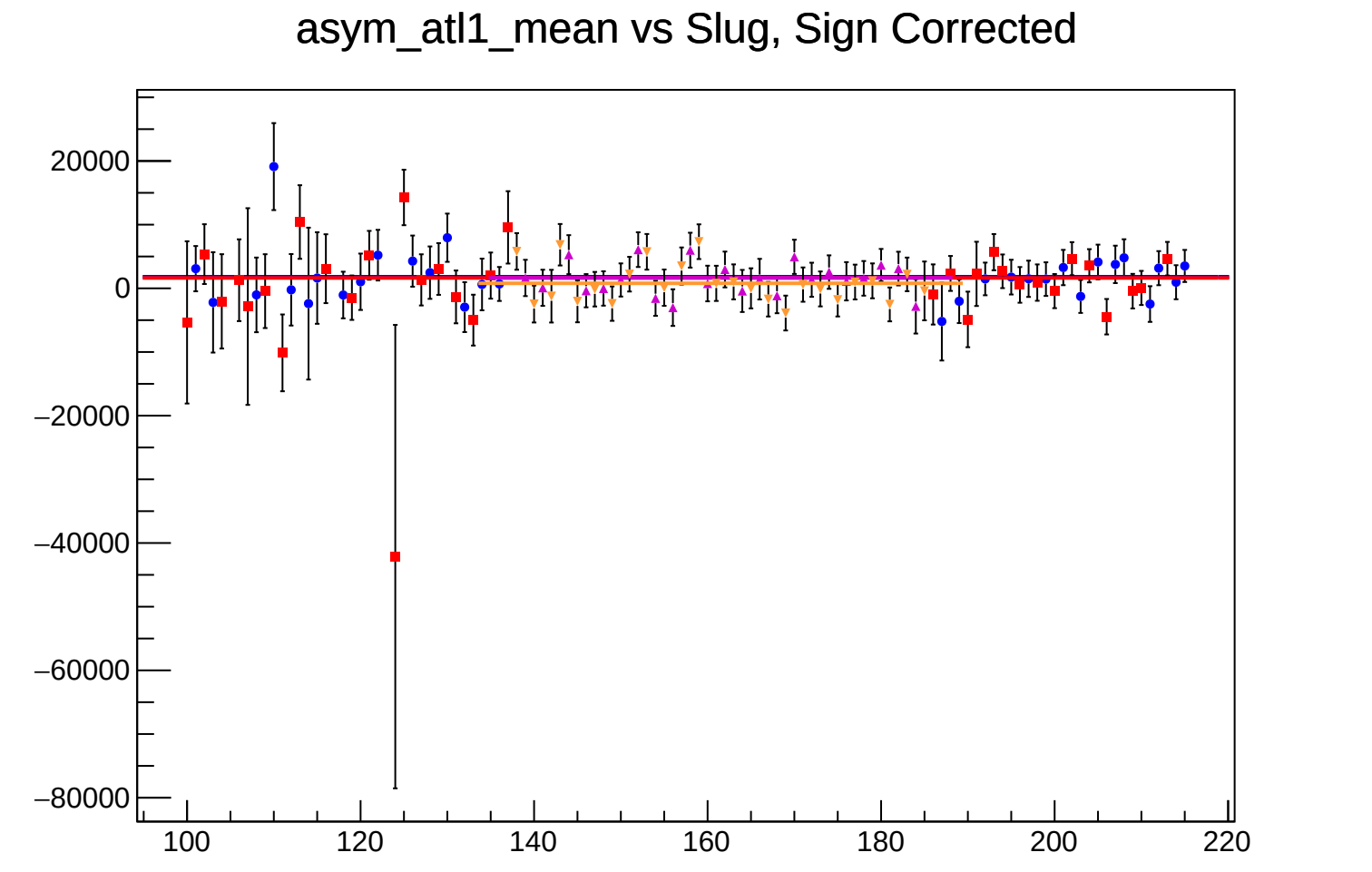
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 767.149+/-0.096 χ^2/NDF: 10955575.5/63

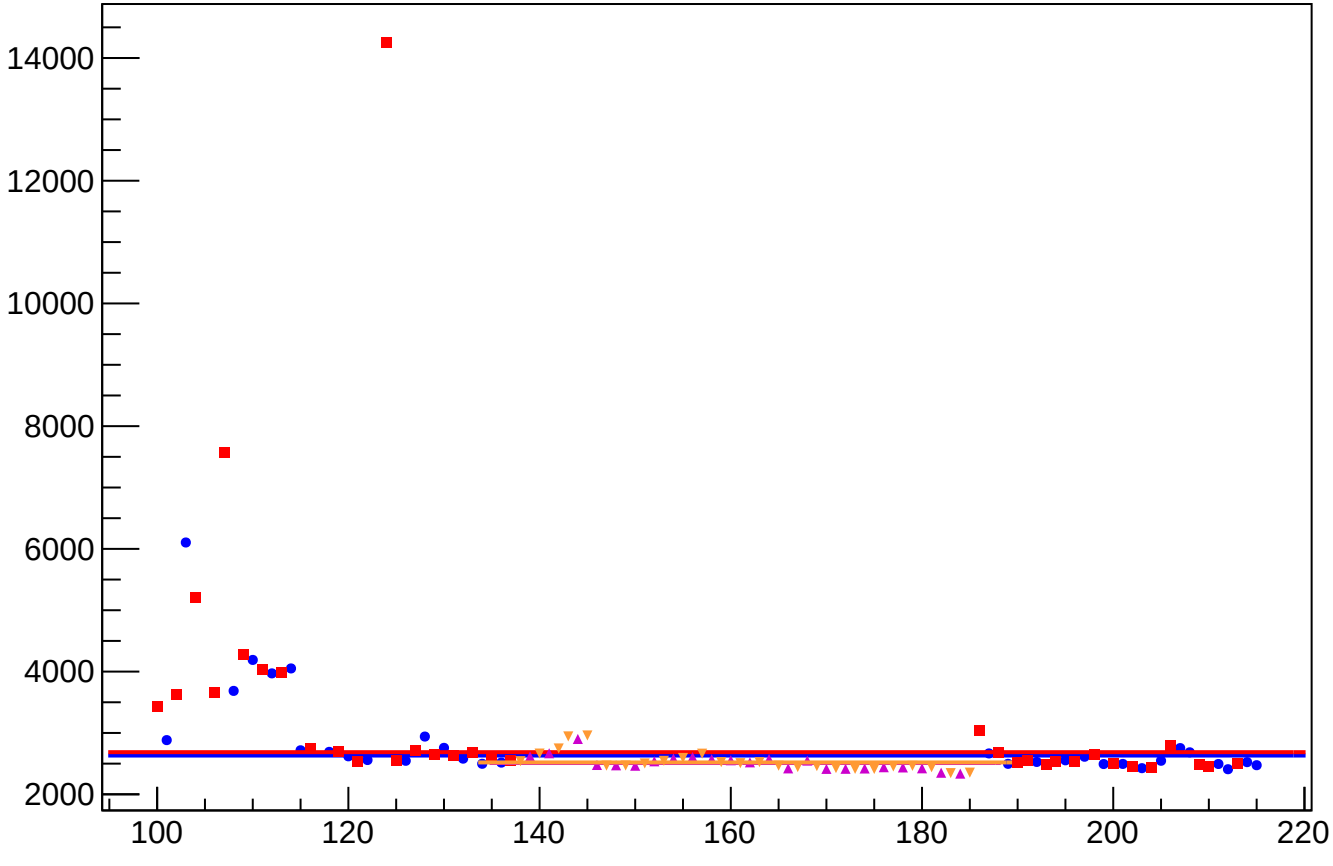
In: 689.620+/-0.086 χ^2/NDF:9661148.6/53

Out: 699.416+/-0.088 χ^2/NDF:10270892.2/56

All: 694.402+/-0.061 χ^2/NDF: 19938381.4/11


asym_atl1_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 1816.150+/-605.668 χ²/NDF: 23.1/30
Left Out: 791.438+/-573.266 χ²/NDF:27.1/24
Right Out: 1633.127+/-627.214 χ²/NDF: 39.0/33
Left In: 1654.626+/-586.767 χ²/NDF:17.3/22
Left: 1212.987+/-410.050 χ²/NDF: 45.6/47
Right: 1727.836+/-435.690 χ²/NDF: 62.1/64
In: 1732.829+/-421.430 χ²/NDF:40.5/53
Out: 1174.535+/-423.150 χ²/NDF:67.1/58
All: 1454.818+/-298.602 χ²/NDF: 108.4/112

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2631.881+/-0.428 χ^2/NDF: 798164.9/30

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2686.755+/-0.444 χ^2/NDF: 1248078.7/33

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

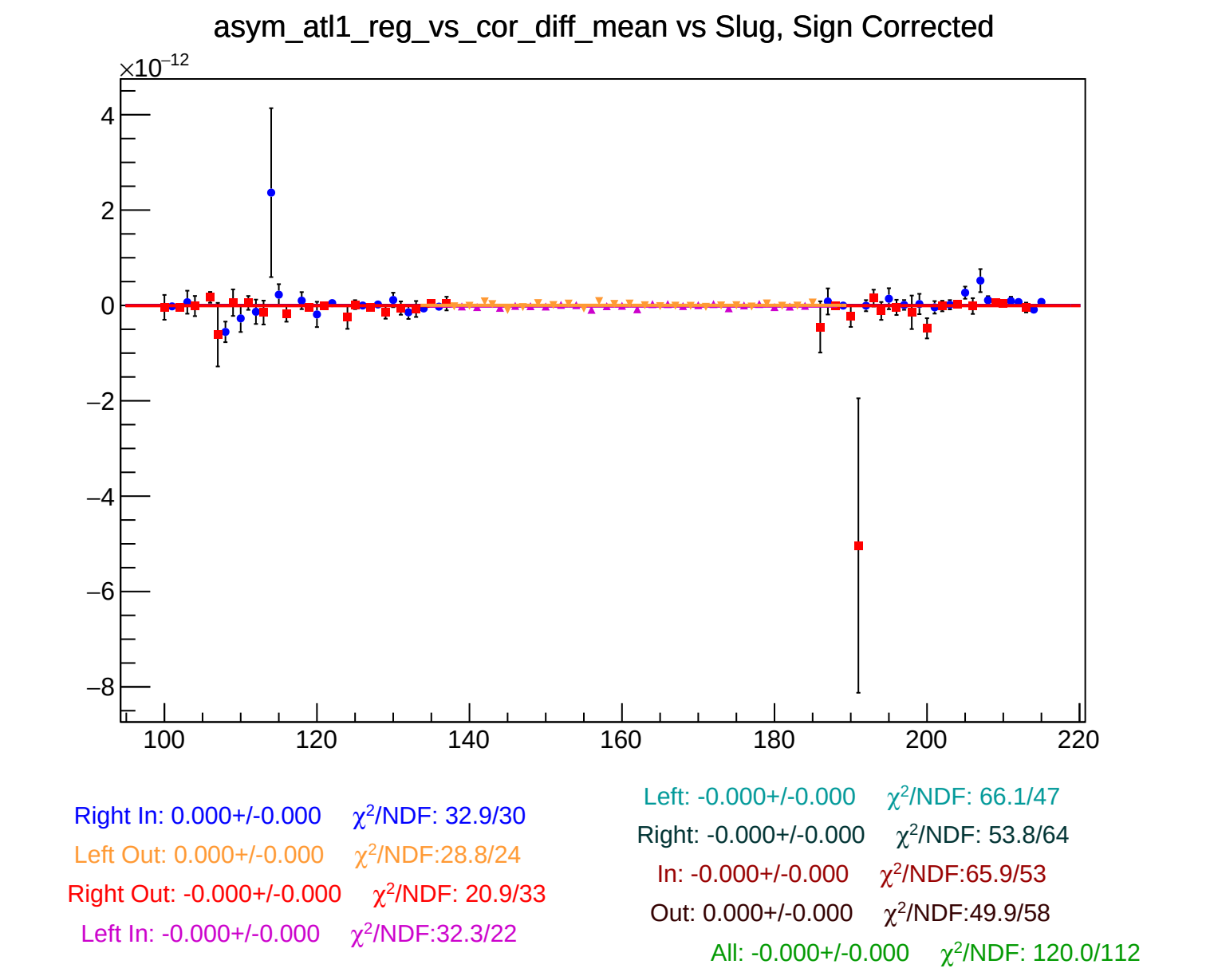
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

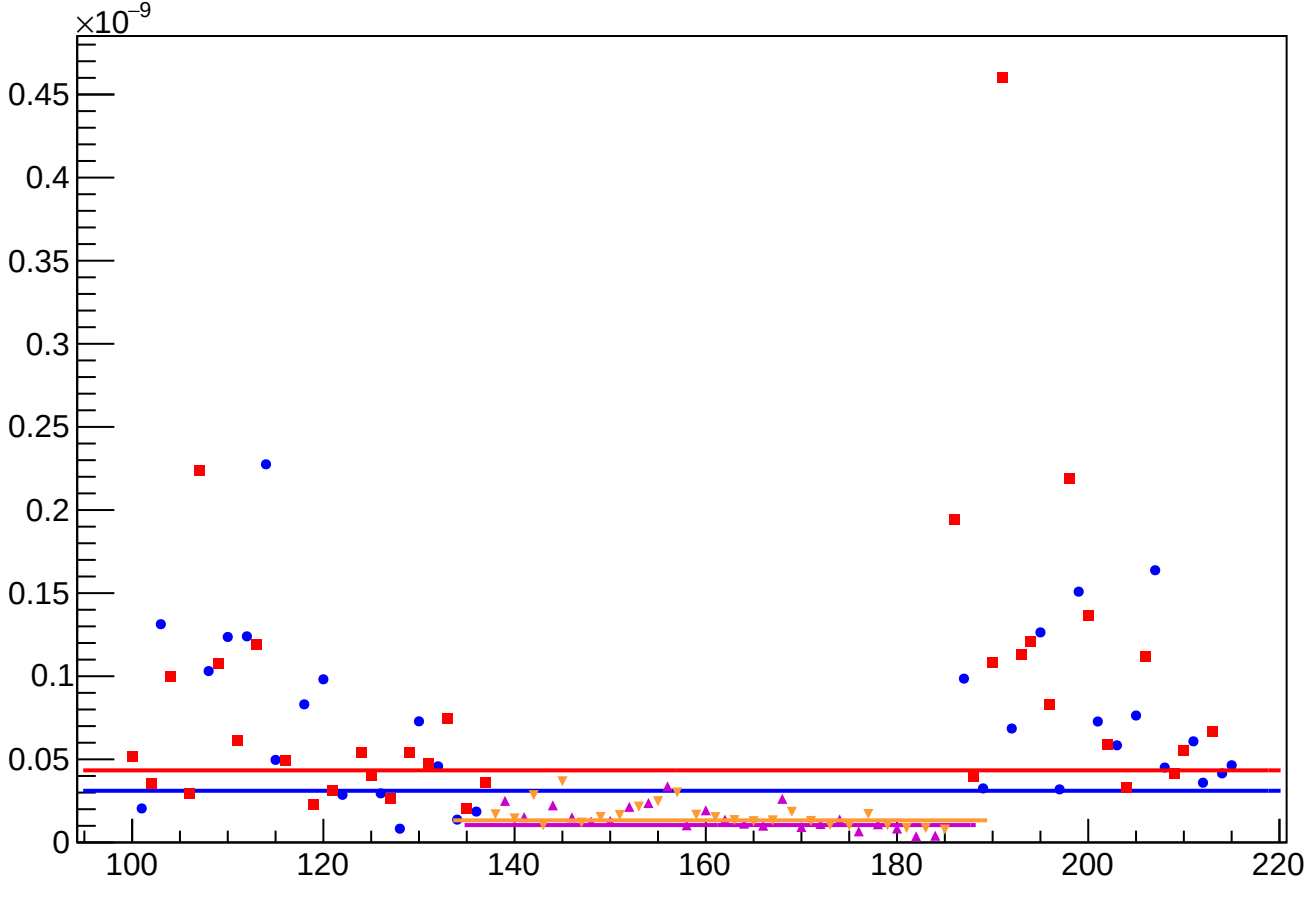
Right: 2658.359+/-0.308 χ^2/NDF: 2054165.4/64

In: 2569.089+/-0.298 χ^2/NDF:913607.9/53

Out: 2595.635+/-0.299 χ^2/NDF:1440756.2/58

All: 2582.308+/-0.211 χ^2/NDF: 2358315.6/11


asym_atl1_reg_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: 32.9/30
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.9/33
Left In: -0.000+/-0.000 χ²/NDF:32.3/22
Left: -0.000+/-0.000 χ²/NDF: 66.1/47
Right: -0.000+/-0.000 χ²/NDF: 53.8/64
In: -0.000+/-0.000 χ²/NDF:65.9/53
Out: 0.000+/-0.000 χ²/NDF:49.9/58
All: -0.000+/-0.000 χ²/NDF: 120.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 5855302.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4105472.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

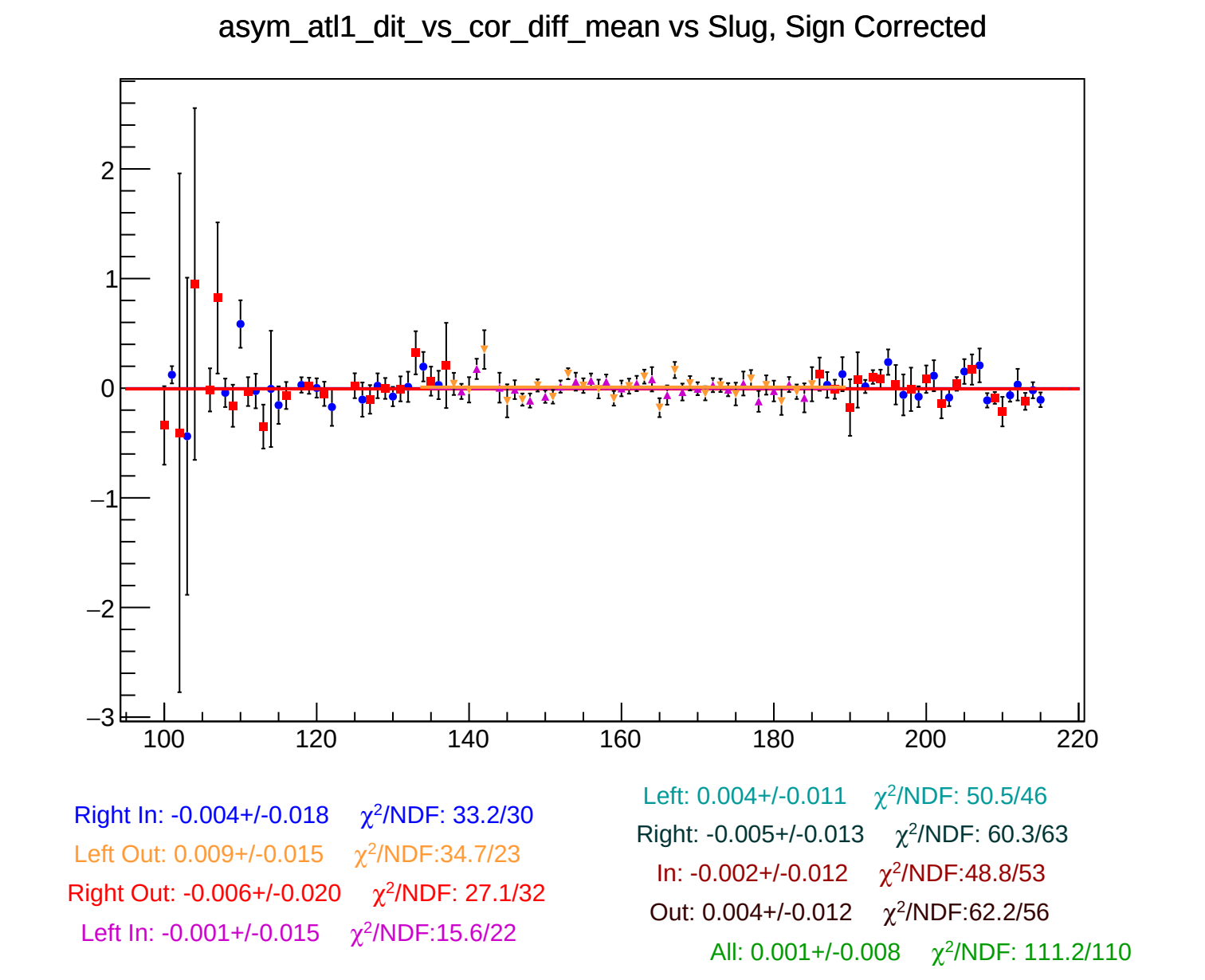
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10521756.2/64

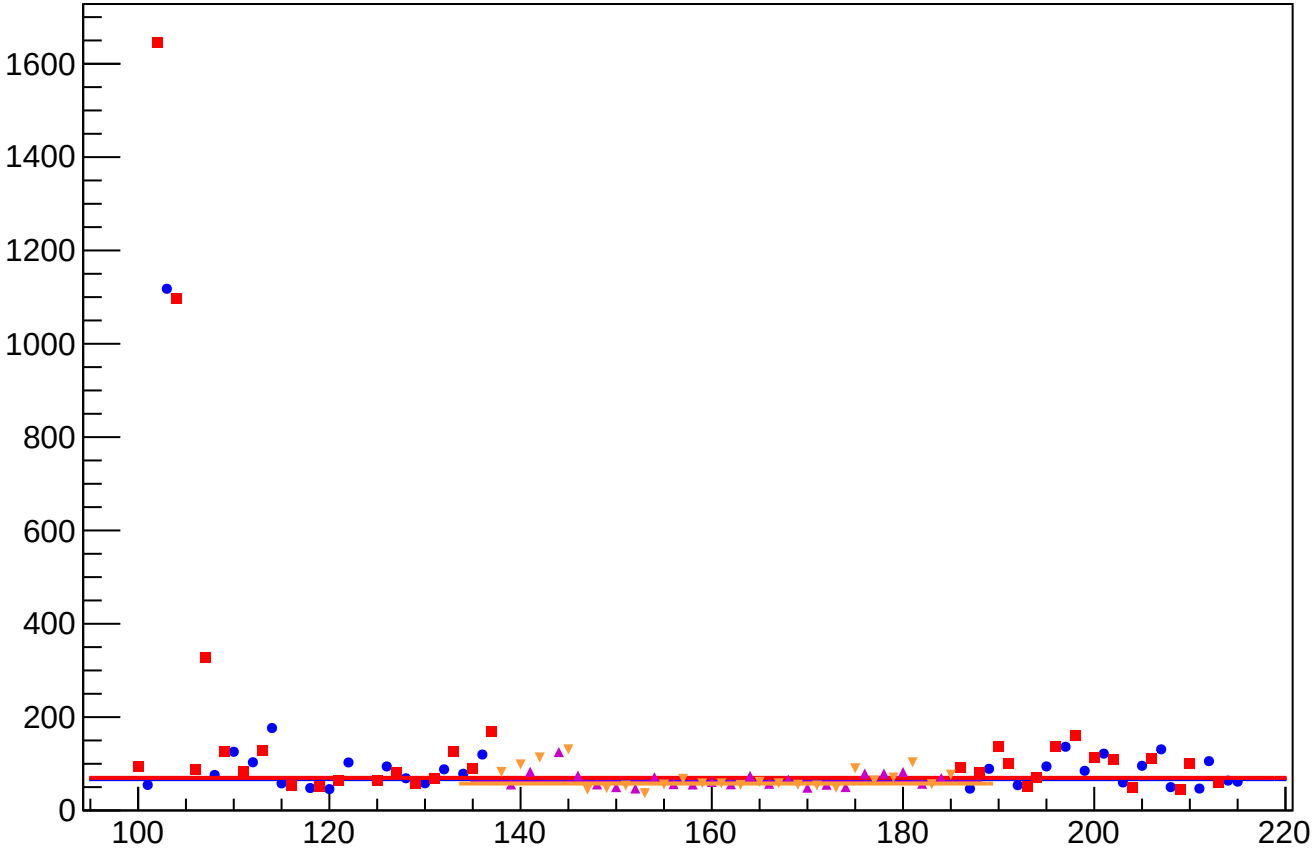
In: 0.000+/-0.000 χ^2/NDF:12457703.5/53

Out: 0.000+/-0.000 χ^2/NDF:10546712.1/58

All: 0.000+/-0.000 χ^2/NDF: 23394962.3/112


asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.004+/-0.018 χ²/NDF: 33.2/30
Left Out: 0.009+/-0.015 χ²/NDF:34.7/23
Right Out: -0.006+/-0.020 χ²/NDF: 27.1/32
Left In: -0.001+/-0.015 χ²/NDF:15.6/22
Left: 0.004+/-0.011 χ²/NDF: 50.5/46
Right: -0.005+/-0.013 χ²/NDF: 60.3/63
In: -0.002+/-0.012 χ²/NDF:48.8/53
Out: 0.004+/-0.012 χ²/NDF:62.2/56
All: 0.001+/-0.008 χ²/NDF: 111.2/110

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.126+/-0.013 χ^2/NDF: 4250961.1/30

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 69.850+/-0.014 χ^2/NDF: 5429171.9/32

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

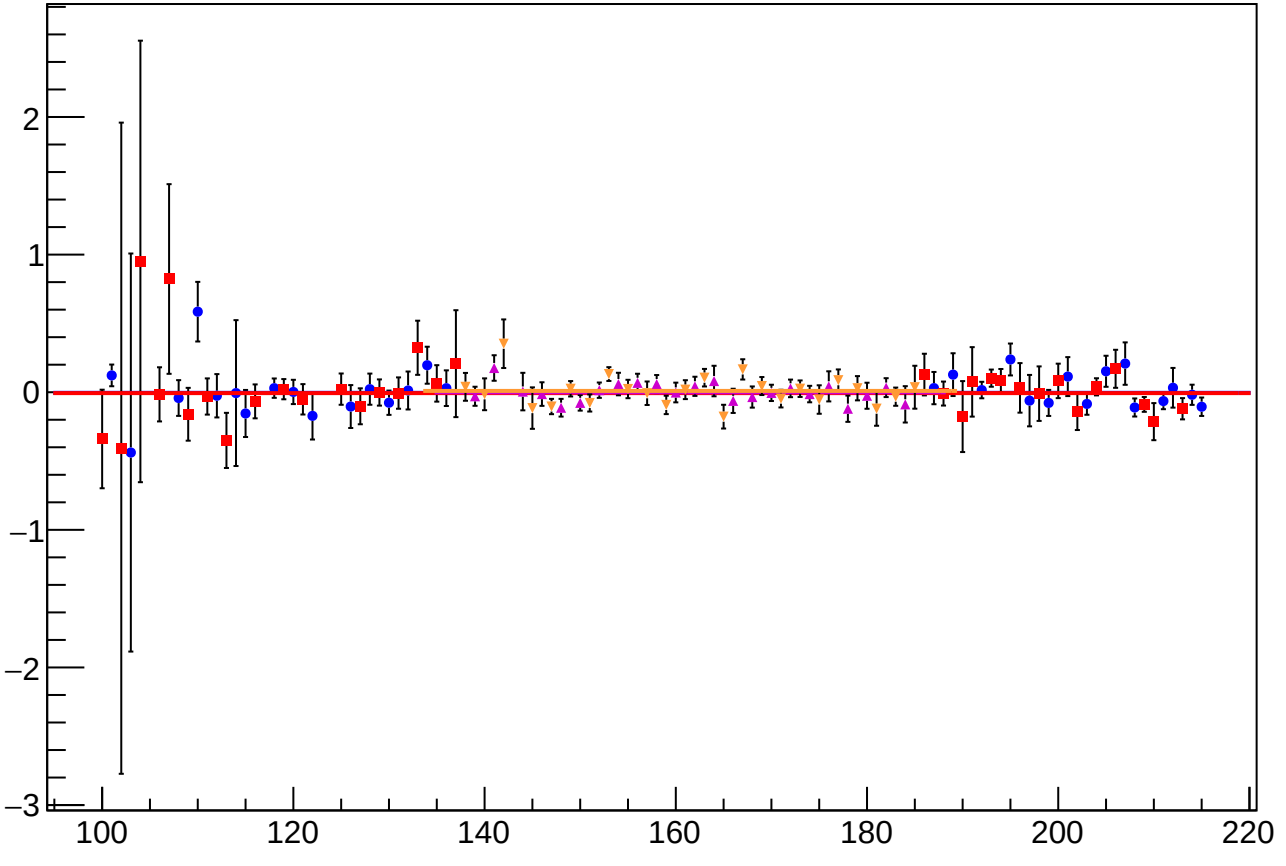
Right: 68.375+/-0.009 χ^2/NDF: 9700662.4/63

In: 62.894+/-0.008 χ^2/NDF:5778111.5/53

Out: 62.115+/-0.008 χ^2/NDF:8126117.6/56

All: 62.511+/-0.006 χ^2/NDF: 13908511.1/110

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 33.2/30

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.006+/-0.020 χ^2/NDF: 27.1/32

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

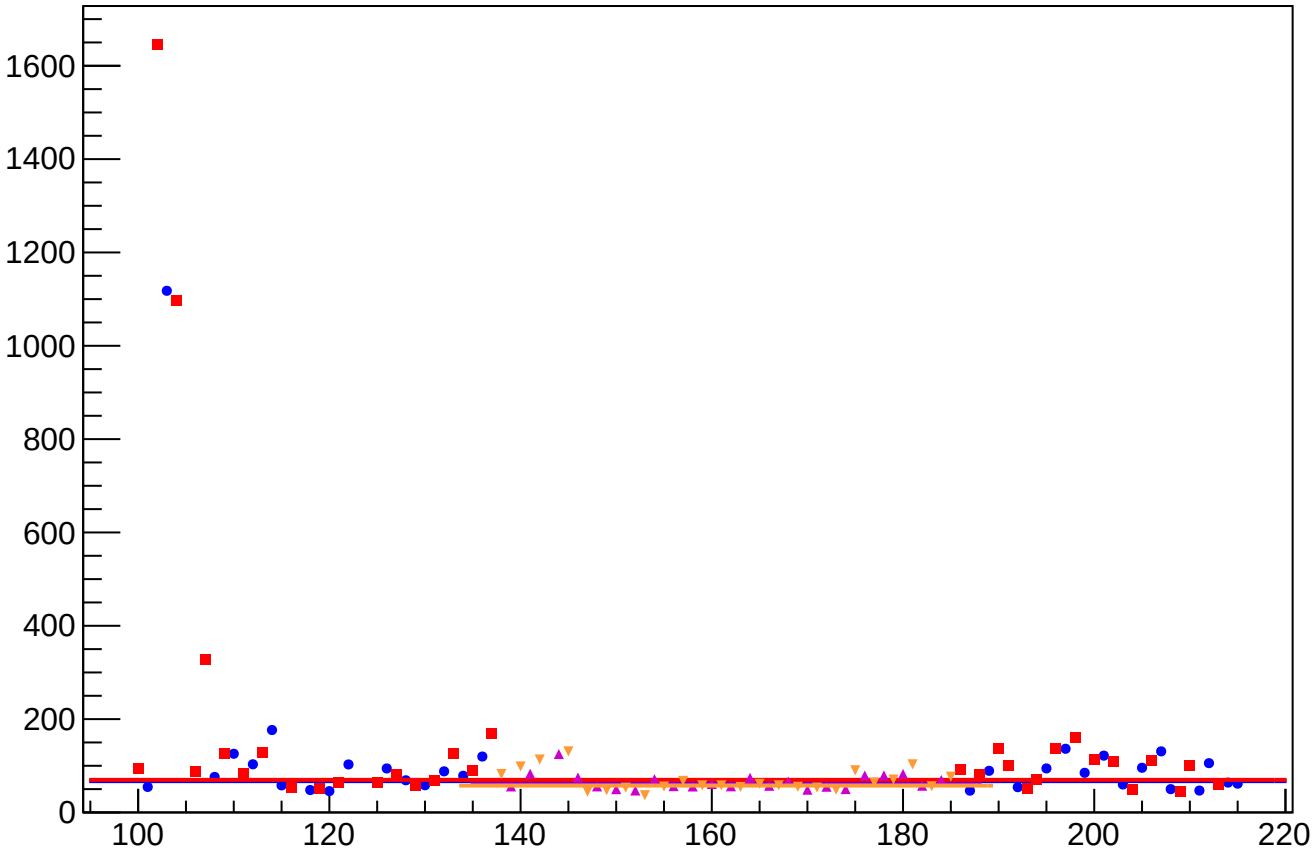
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.005+/-0.013 χ^2/NDF: 60.3/63

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.001+/-0.008 χ^2/NDF: 111.2/110



Right In: 67.126+/-0.013 χ^2/NDF: 4250961.1/30

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 69.850+/-0.014 χ^2/NDF: 5429171.9/32

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

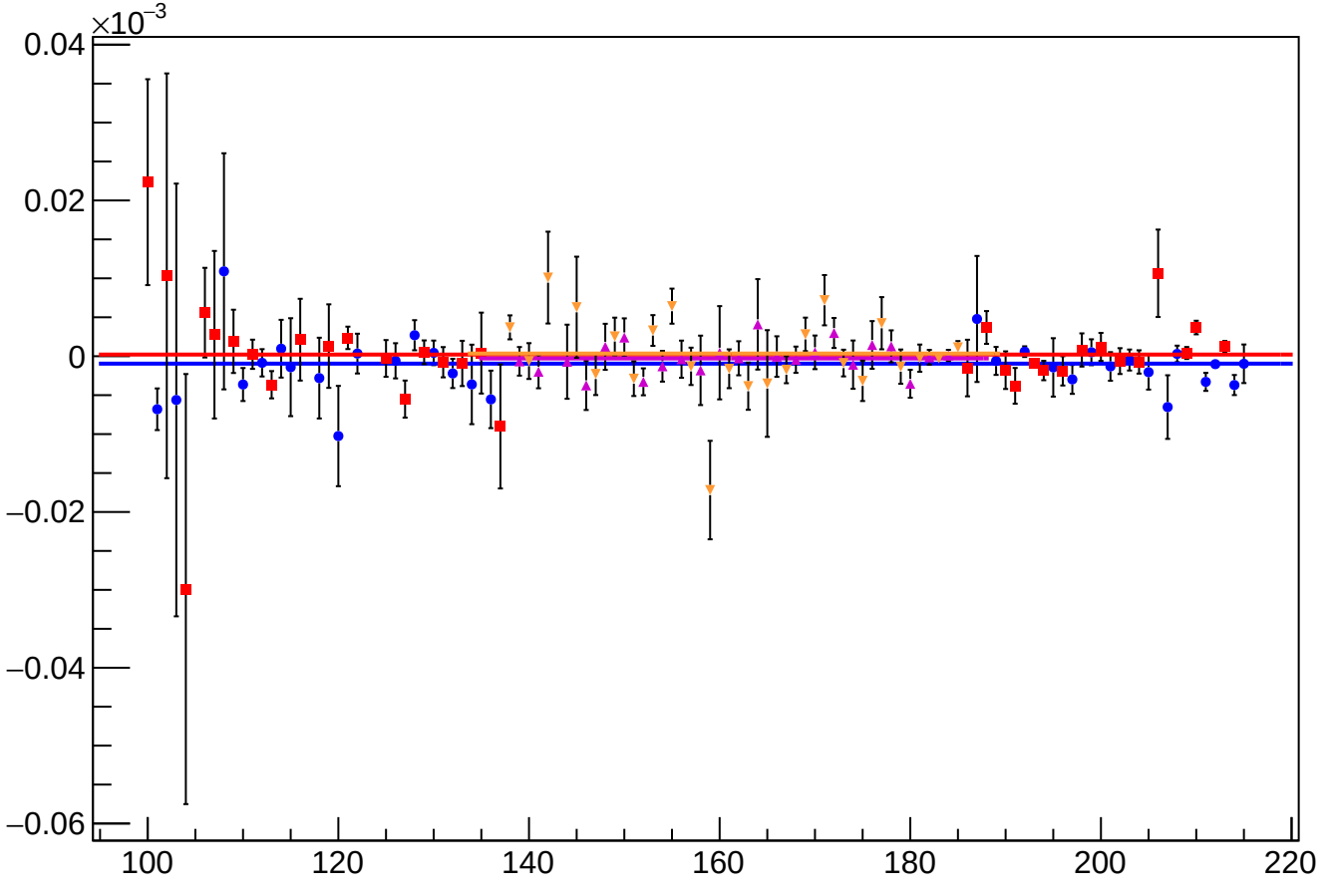
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 68.375+/-0.009 χ^2/NDF: 9700662.4/63

In: 62.894+/-0.008 χ^2/NDF:5778111.5/53

Out: 62.115+/-0.008 χ^2/NDF:8126117.6/56

All: 62.511+/-0.006 χ^2/NDF: 13908511.1/110



Right In: -0.000+/-0.000 χ^2/NDF: 36.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 56.4/32

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

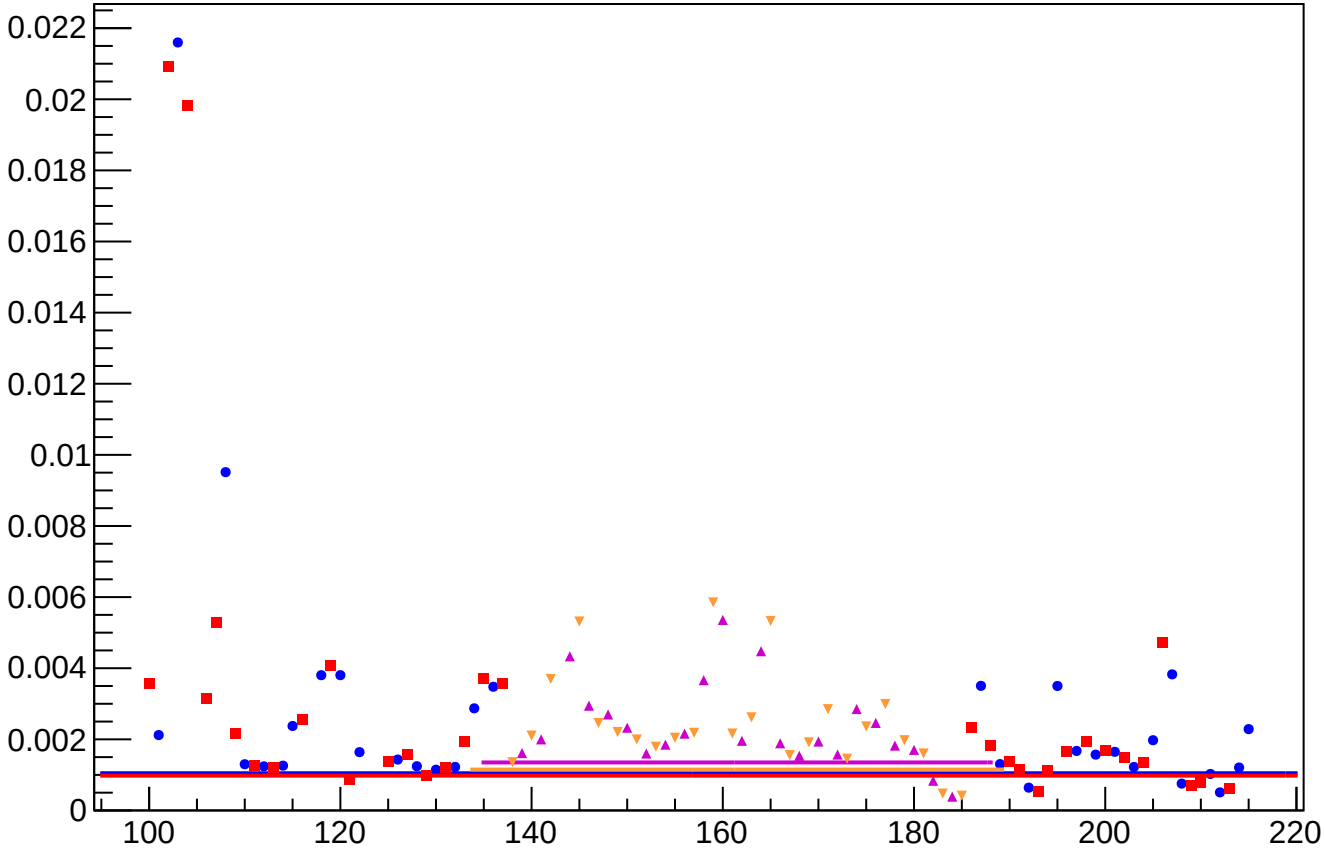
Right: -0.000+/-0.000 χ^2/NDF: 101.2/63

In: -0.000+/-0.000 χ^2/NDF:53.1/53

Out: 0.000+/-0.000 χ^2/NDF:103.3/56

All: -0.000+/-0.000 χ^2/NDF: 165.9/110

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10564278.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9860546.0/32

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

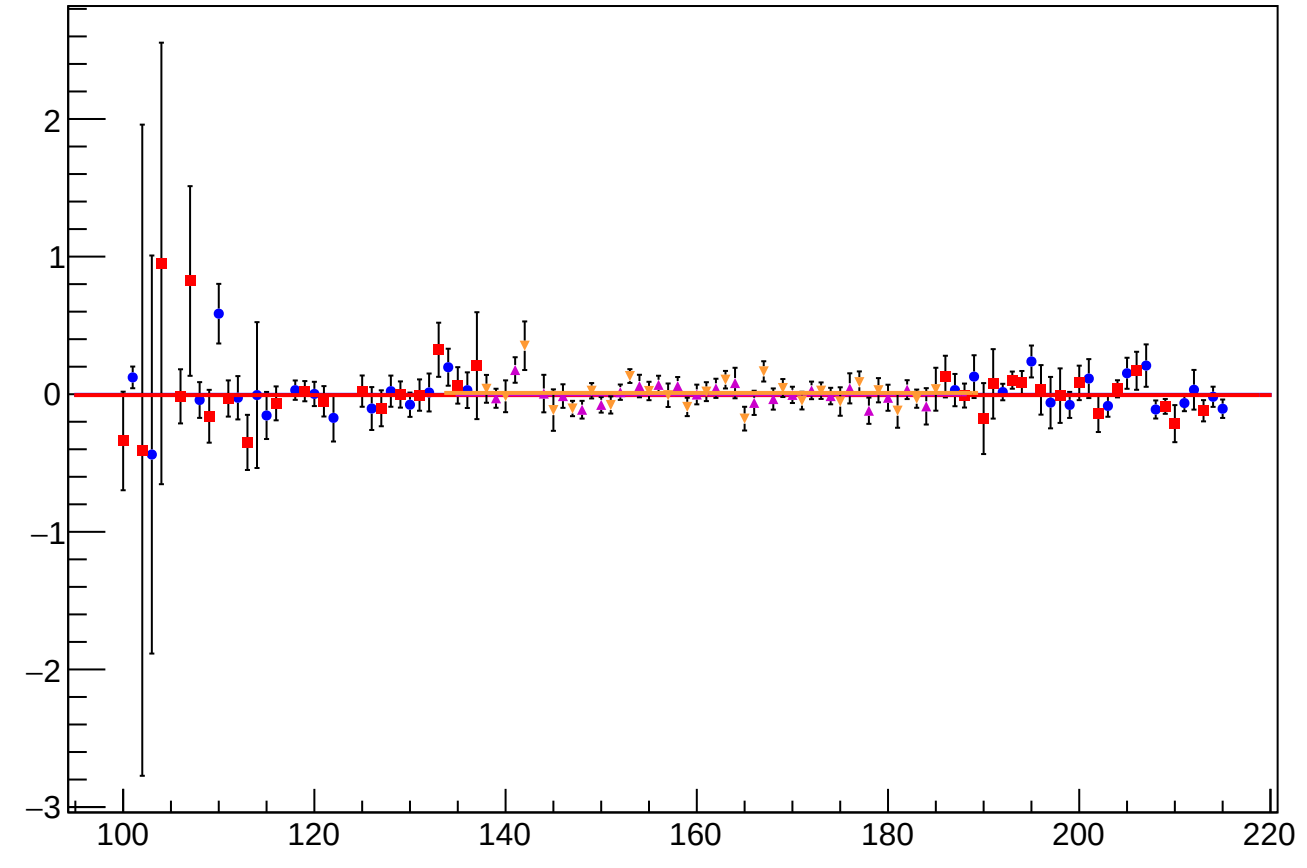
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 20479778.1/63

In: 0.001+/-0.000 χ^2/NDF:21614988.1/53

Out: 0.001+/-0.000 χ^2/NDF:23403702.5/56

All: 0.001+/-0.000 χ^2/NDF: 45261208.7/110



Right In: -0.004+/-0.018 χ^2/NDF: 33.2/30

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.006+/-0.020 χ^2/NDF: 27.1/32

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

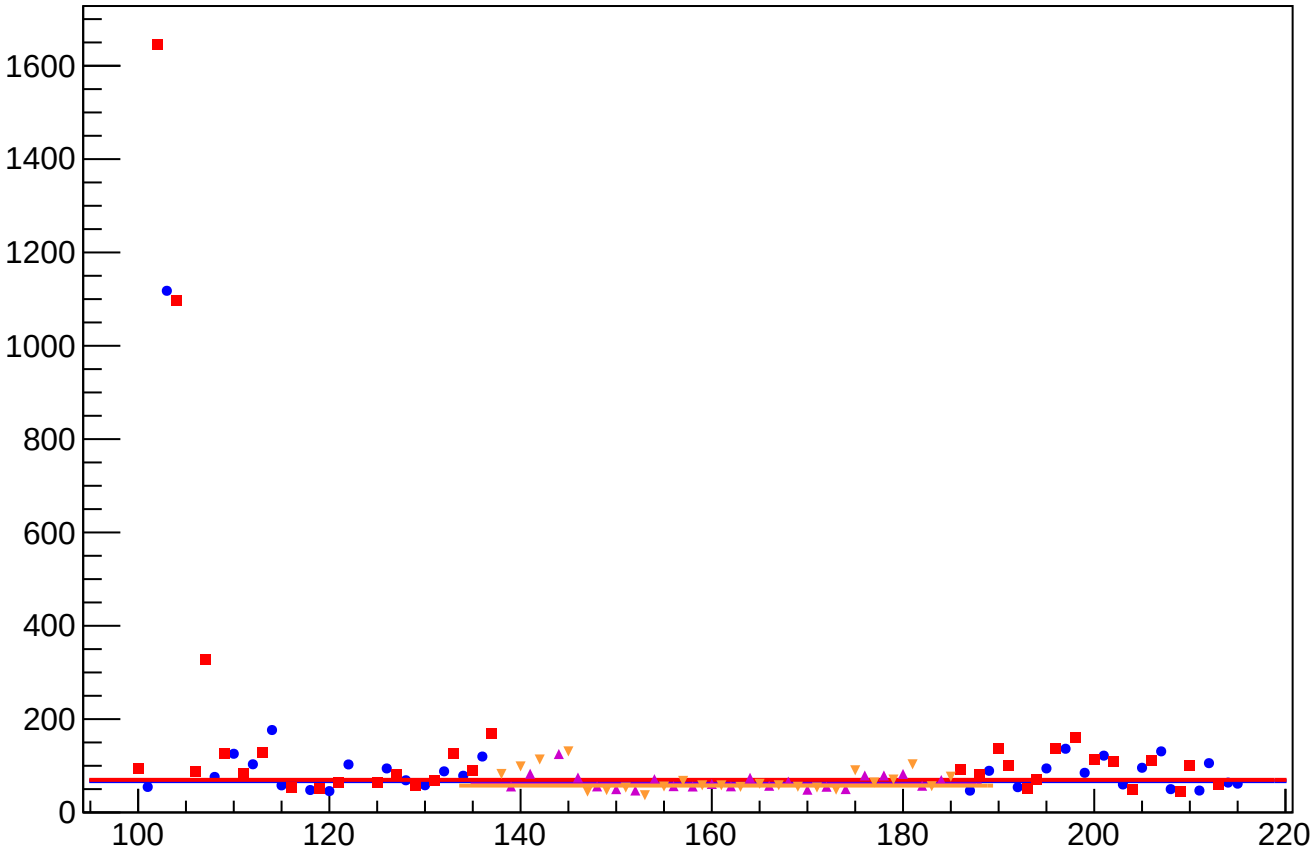
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.005+/-0.013 χ^2/NDF: 60.3/63

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.001+/-0.008 χ^2/NDF: 111.2/110



Right In: 67.126+/-0.013 χ^2/NDF: 4251100.2/30

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 69.850+/-0.014 χ^2/NDF: 5429259.9/32

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

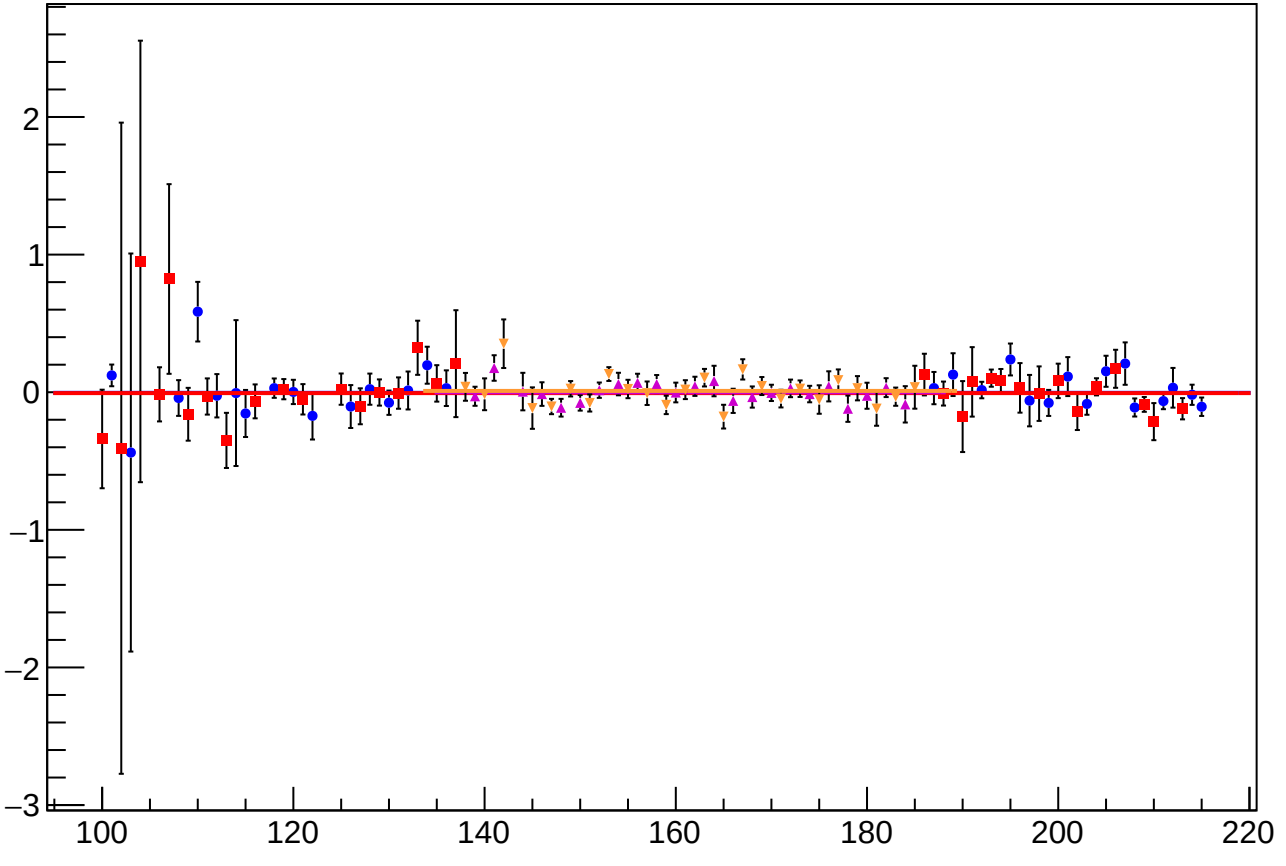
Right: 68.374+/-0.009 χ^2/NDF: 9700891.0/63

In: 62.894+/-0.008 χ^2/NDF:5778207.9/53

Out: 62.115+/-0.008 χ^2/NDF:8126258.4/56

All: 62.511+/-0.006 χ^2/NDF: 13908748.6/110

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 33.2/30

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.006+/-0.020 χ^2/NDF: 27.1/32

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

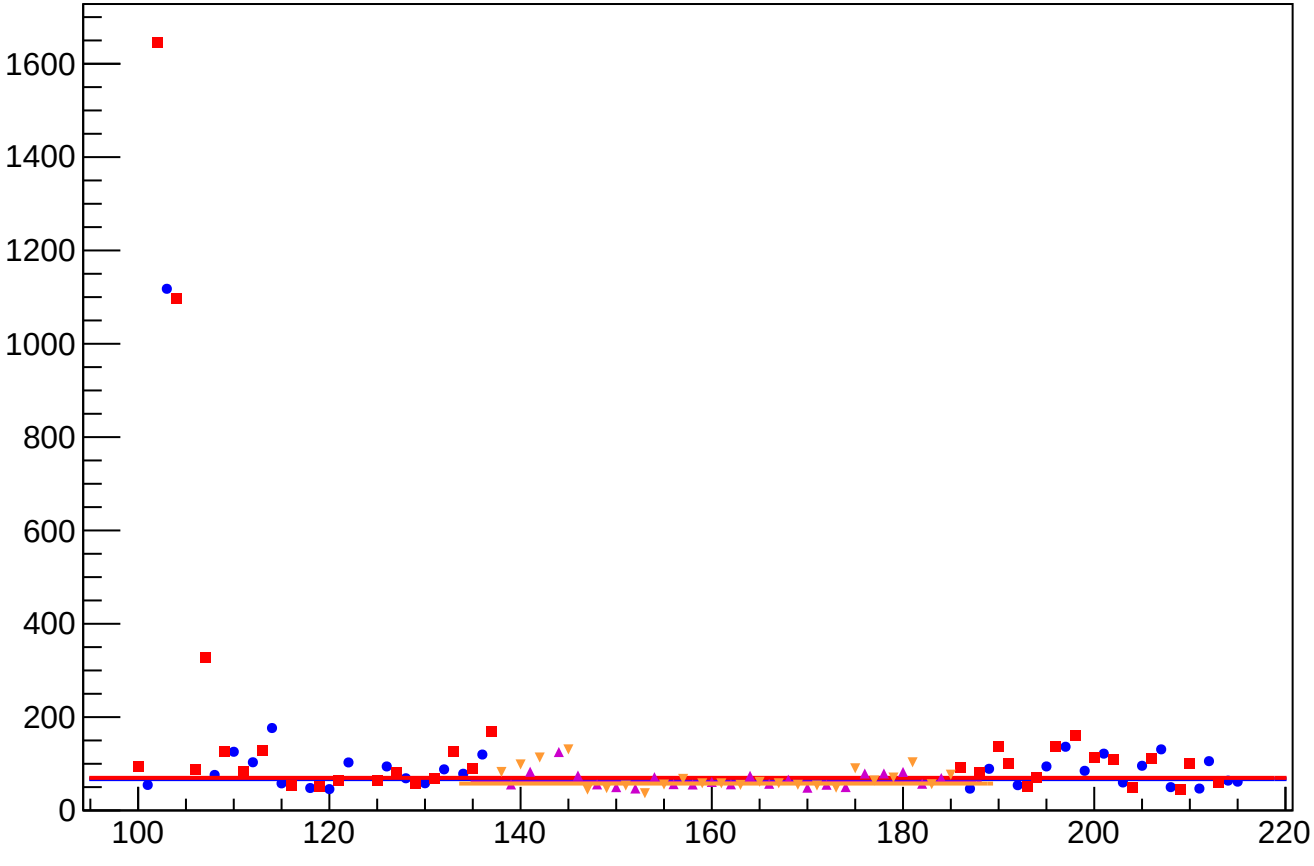
Right: -0.005+/-0.013 χ^2/NDF: 60.3/63

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: 0.004+/-0.012 χ^2/NDF:62.2/56

All: 0.001+/-0.008 χ^2/NDF: 111.2/110

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.126+/-0.013 χ^2/NDF: 4251100.2/30

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 69.850+/-0.014 χ^2/NDF: 5429259.9/32

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

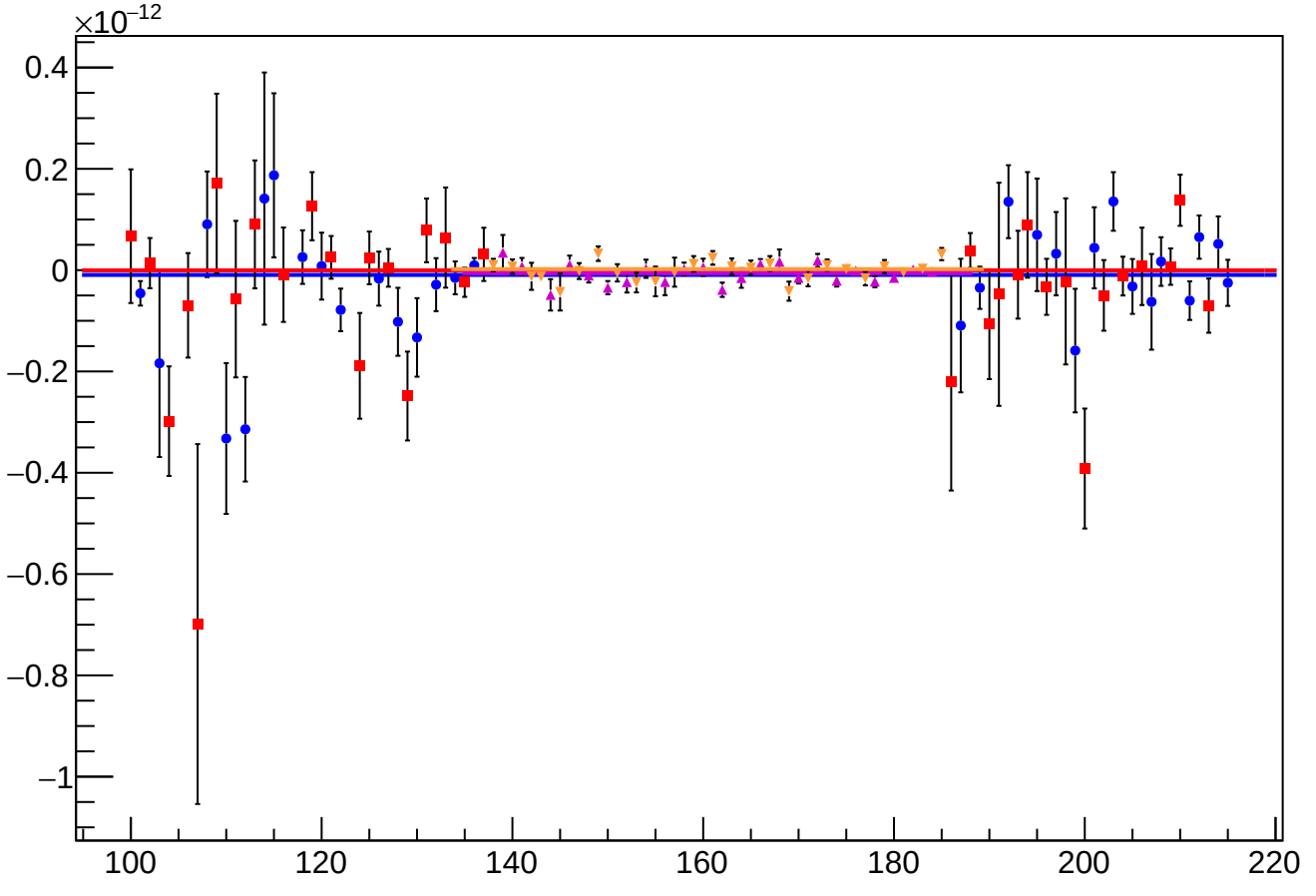
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 68.374+/-0.009 χ^2/NDF: 9700891.0/63

In: 62.894+/-0.008 χ^2/NDF:5778207.9/53

Out: 62.115+/-0.008 χ^2/NDF:8126258.4/56

All: 62.511+/-0.006 χ^2/NDF: 13908748.6/110



Right In: -0.000+/-0.000 χ^2/NDF: 49.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.5/33

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

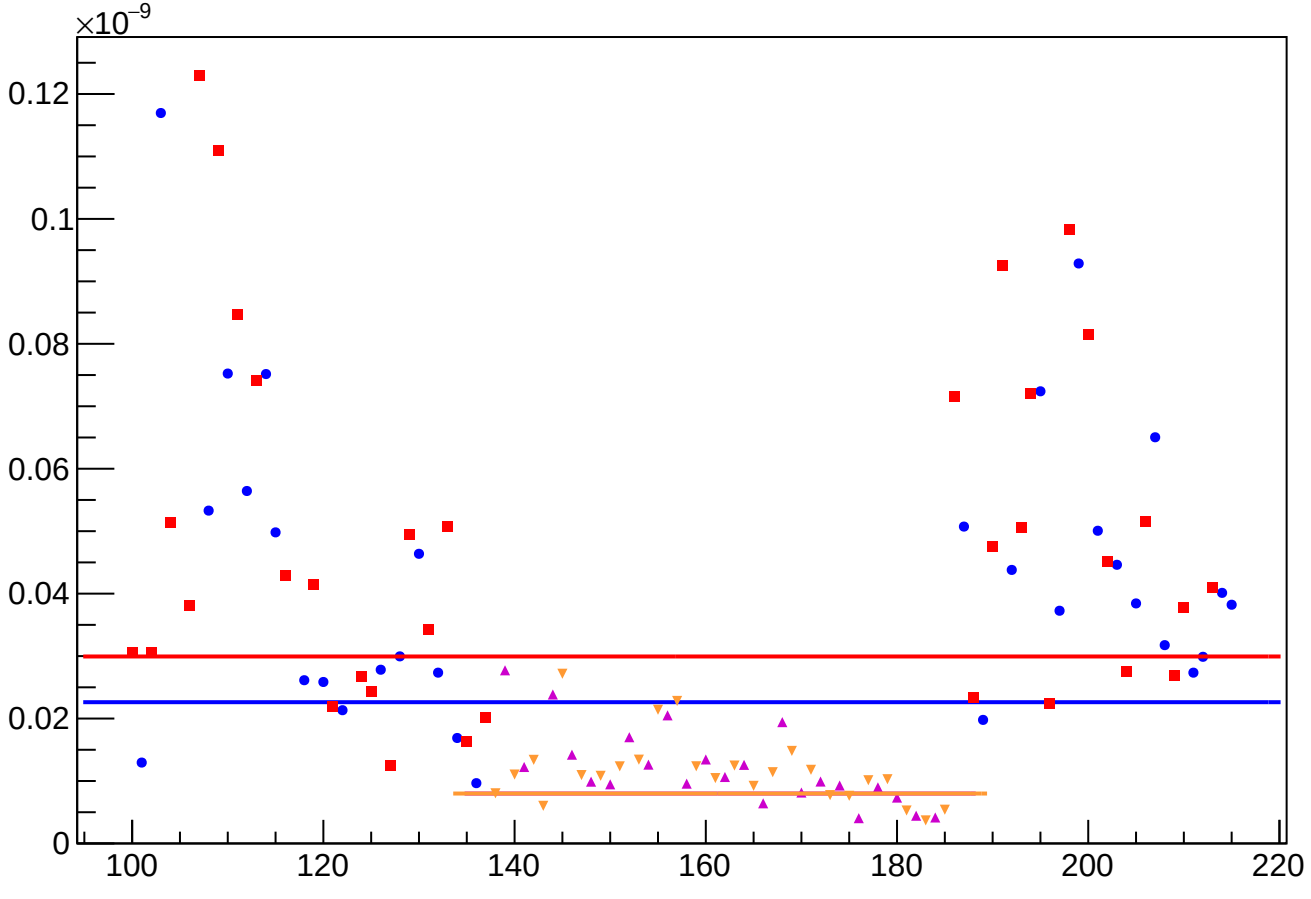
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 107.8/64

In: -0.000+/-0.000 χ^2/NDF:82.6/53

Out: 0.000+/-0.000 χ^2/NDF:89.5/58

All: -0.000+/-0.000 χ^2/NDF: 177.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 6661573.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4461473.8/33

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

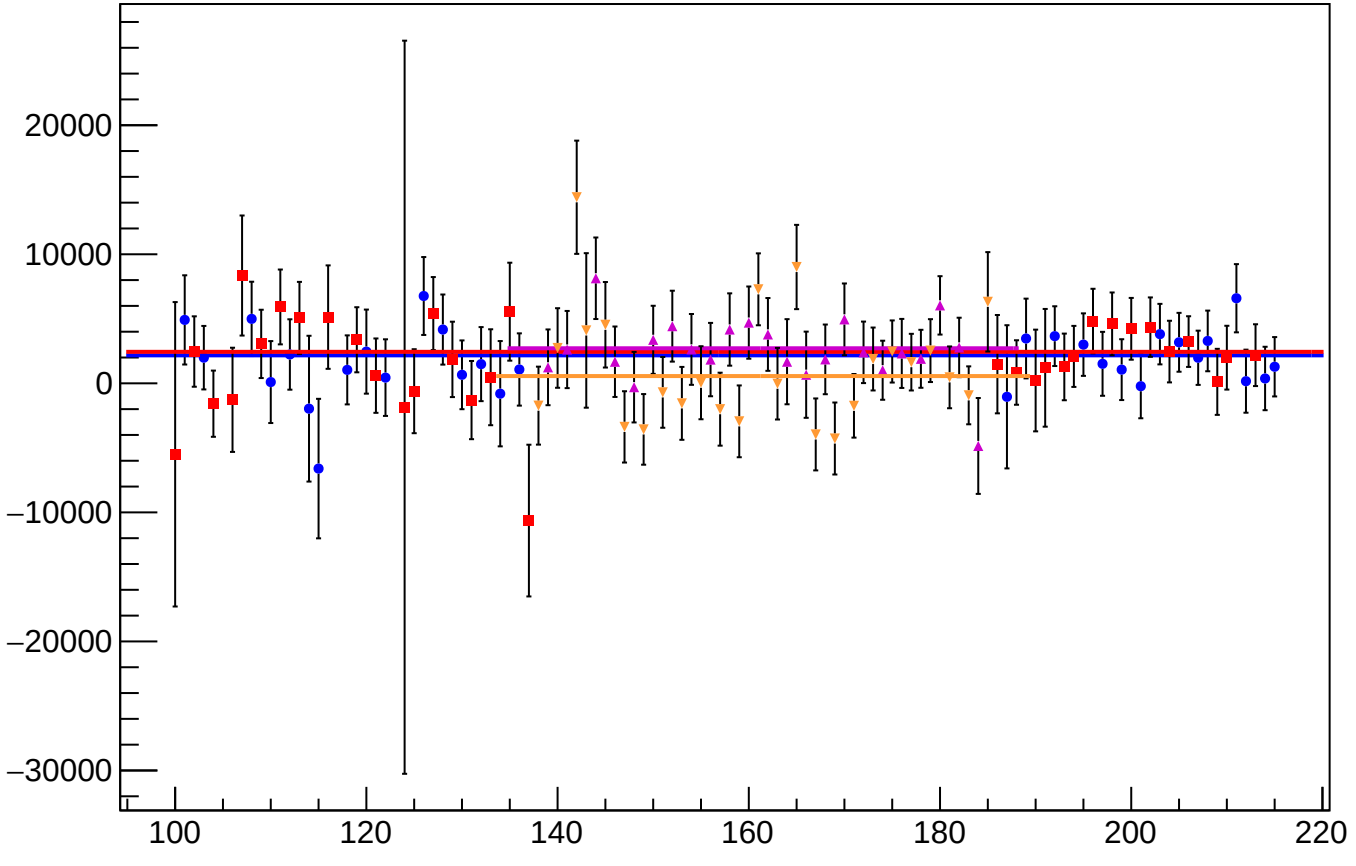
Right: 0.000+/-0.000 χ^2/NDF: 11723682.2/64

In: 0.000+/-0.000 χ^2/NDF:17539574.1/53

Out: 0.000+/-0.000 χ^2/NDF:17676816.4/58

All: 0.000+/-0.000 χ^2/NDF: 35218327.0/112

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2167.449+/-490.422 χ^2/NDF: 17.0/30

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2440.585+/-497.723 χ^2/NDF: 23.3/33

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

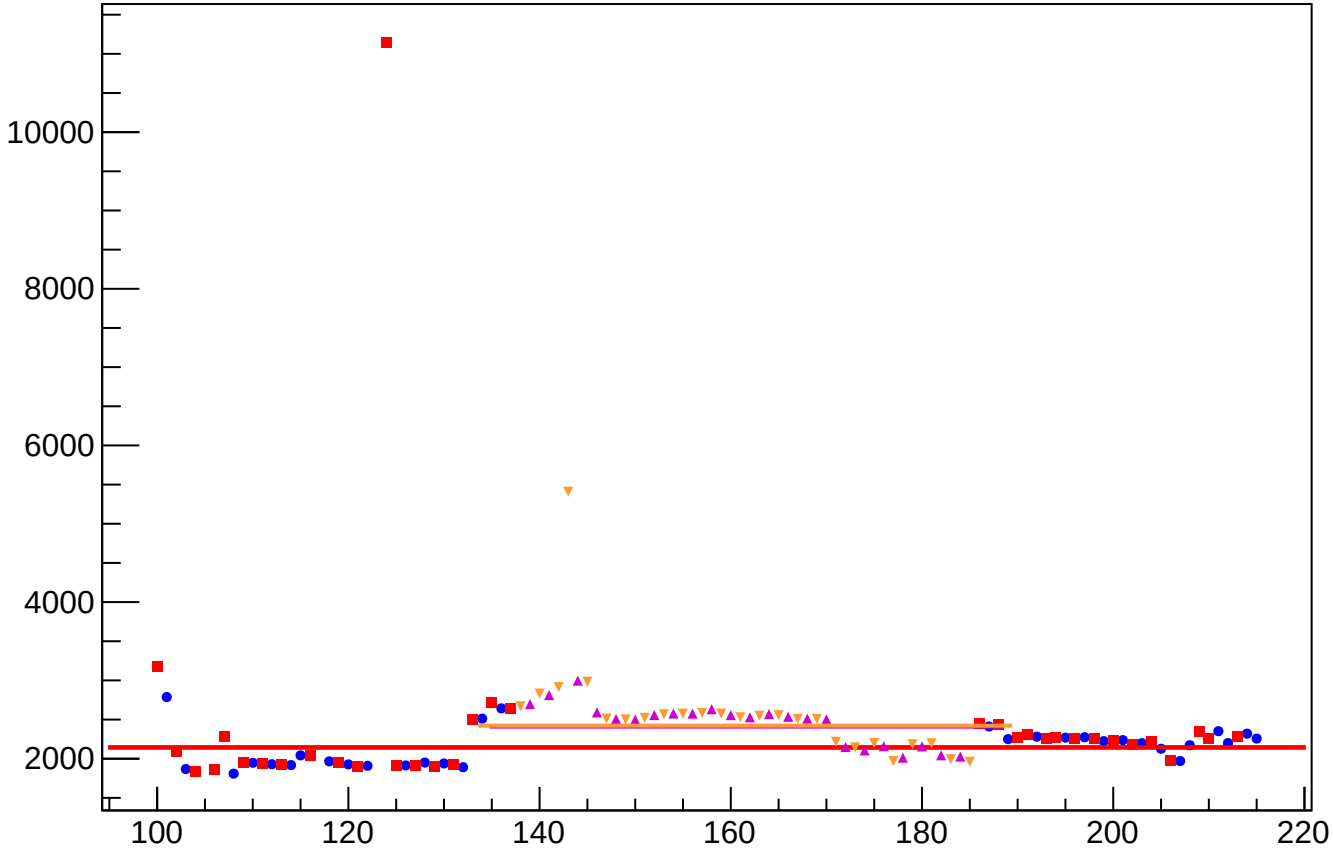
Right: 2301.999+/-349.334 χ^2/NDF: 40.4/64

In: 2402.671+/-370.700 χ^2/NDF:31.8/53

Out: 1607.239+/-371.231 χ^2/NDF:73.6/58

All: 2005.524+/-262.312 χ^2/NDF: 107.7/112

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2141.949+/-0.347 χ^2/NDF: 377898.9/30

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2147.279+/-0.352 χ^2/NDF: 550231.3/33

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

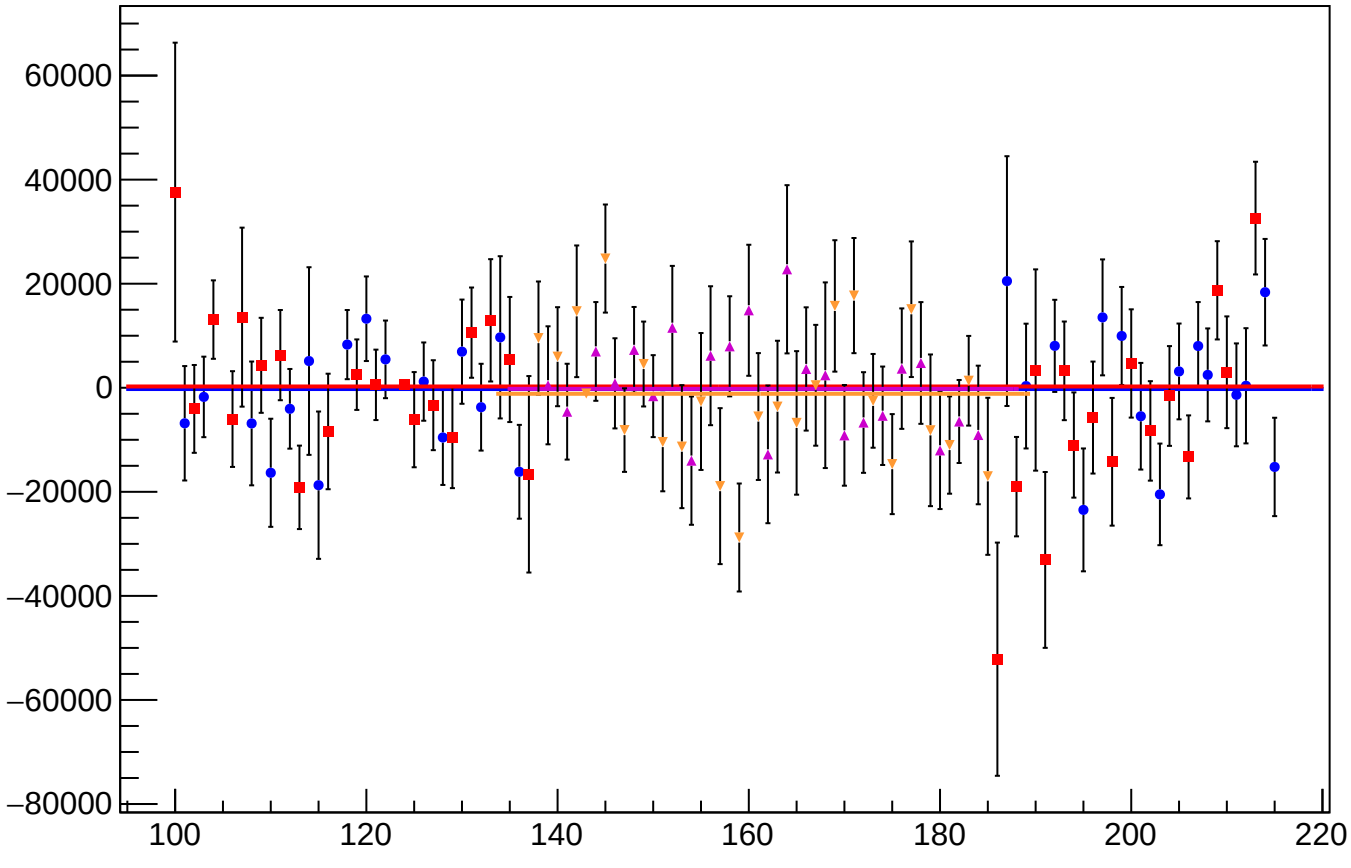
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2144.574+/-0.247 χ^2/NDF: 928246.6/64

In: 2256.771+/-0.262 χ^2/NDF:1062028.7/53

Out: 2269.239+/-0.262 χ^2/NDF:1773736.1/58

All: 2262.996+/-0.185 χ^2/NDF: 2836894.3/11



Right In: -242.872+/-1719.937 χ^2/NDF: 35.2/30

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 245.896+/-740.307 χ^2/NDF: 51.8/33

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

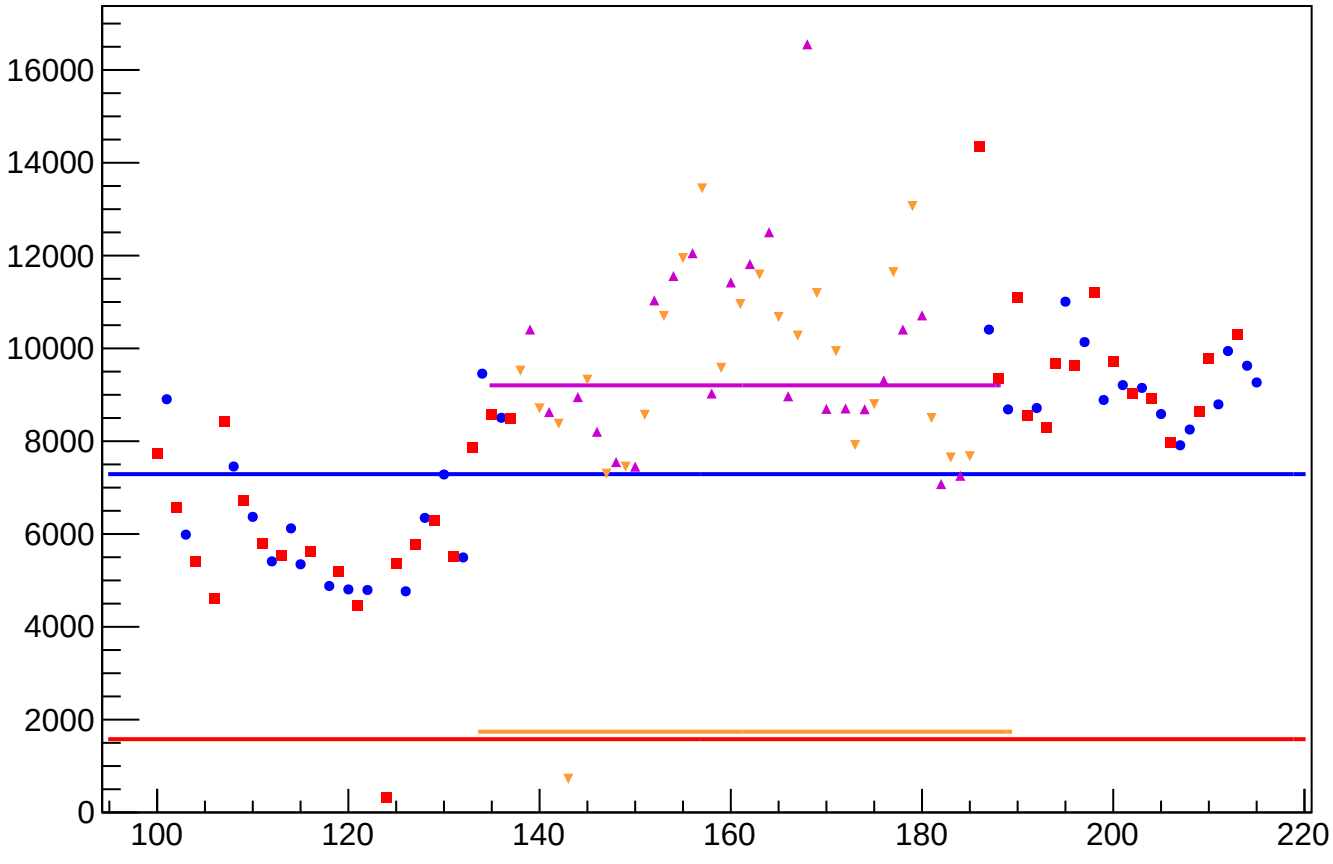
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 169.497+/-679.992 χ^2/NDF: 87.0/64

In: -230.236+/-1353.840 χ^2/NDF:48.6/53

Out: -439.769+/-529.552 χ^2/NDF:85.5/58

All: -411.965+/-493.167 χ^2/NDF: 134.1/112



Right In: 7290.431+/-1.216 χ^2/NDF: 2437733.8/30

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1579.170+/-0.523 χ^2/NDF: 28530353.3/33

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

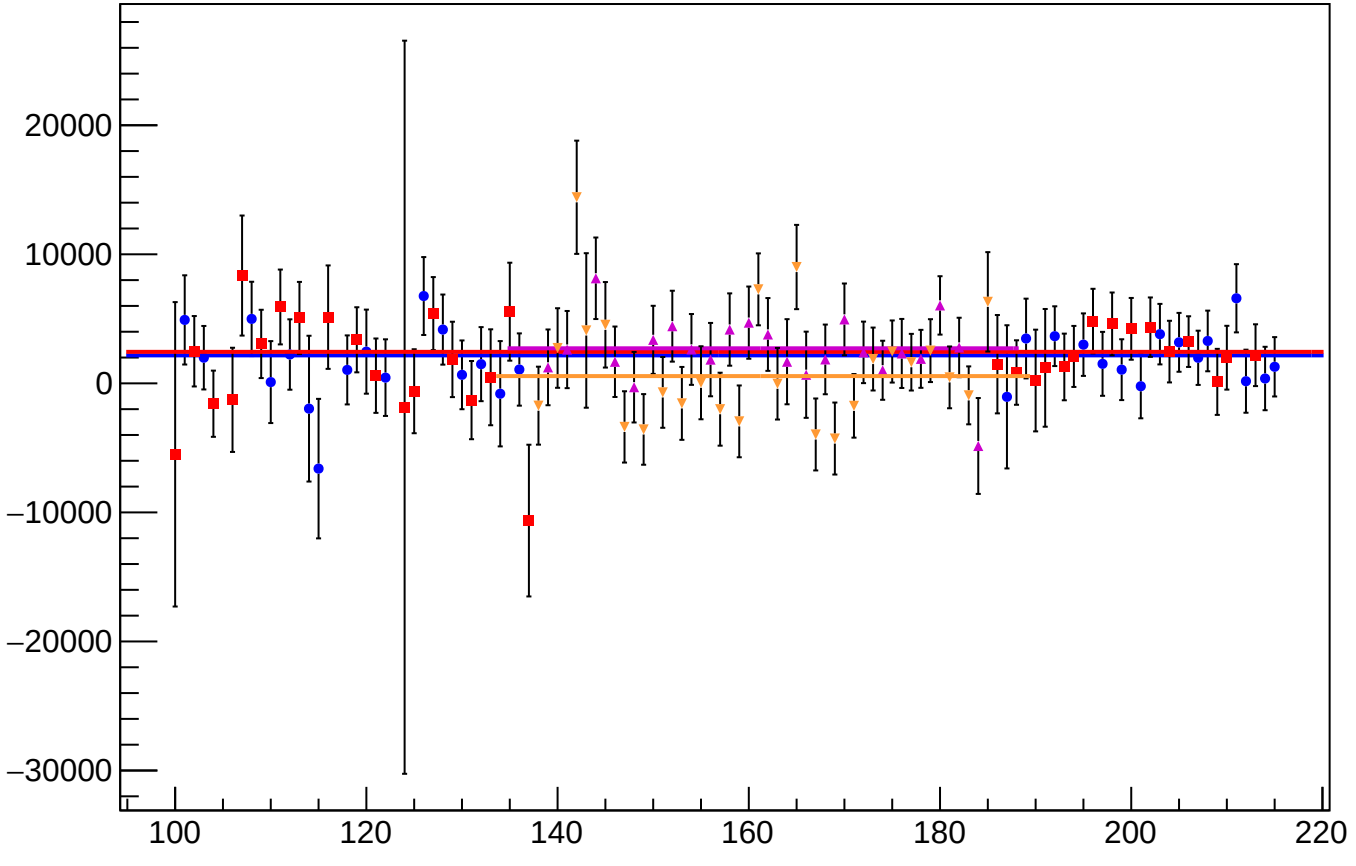
Right: 2471.889+/-0.481 χ^2/NDF: 49574073.1/64

In: 8018.265+/-0.957 χ^2/NDF:4651313.1/53

Out: 1657.557+/-0.374 χ^2/NDF:56310317.3/58

All: 2501.589+/-0.349 χ^2/NDF: 99250971.0/1

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2167.413+/-490.422 χ^2/NDF: 17.0/30

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2441.378+/-497.725 χ^2/NDF: 23.3/33

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

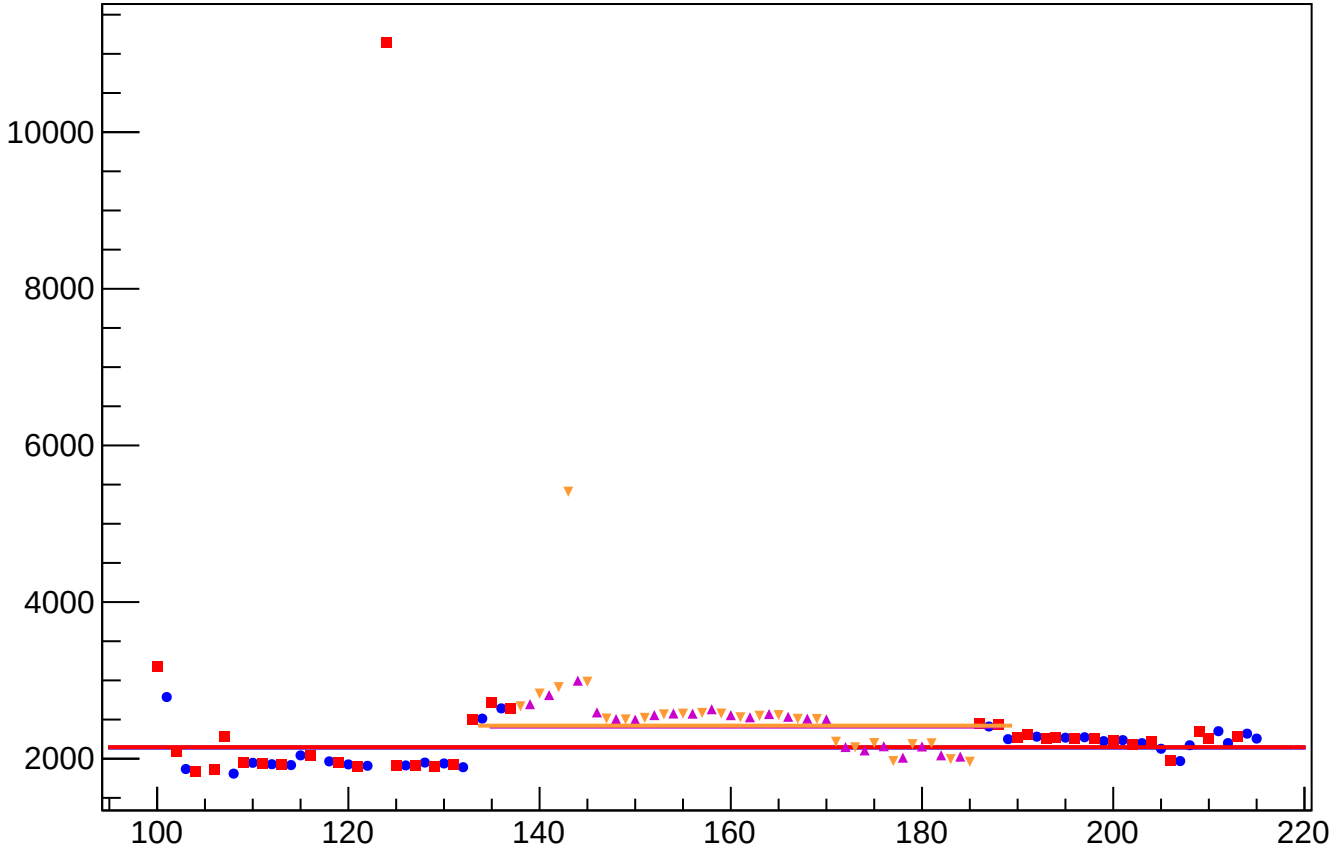
Right: 2302.371+/-349.334 χ^2/NDF: 40.4/64

In: 2402.634+/-370.700 χ^2/NDF:31.8/53

Out: 1607.677+/-371.232 χ^2/NDF:73.6/58

All: 2005.726+/-262.312 χ^2/NDF: 107.7/112

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2141.949+/-0.347 χ^2/NDF: 377898.8/30

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2147.289+/-0.352 χ^2/NDF: 550223.0/33

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

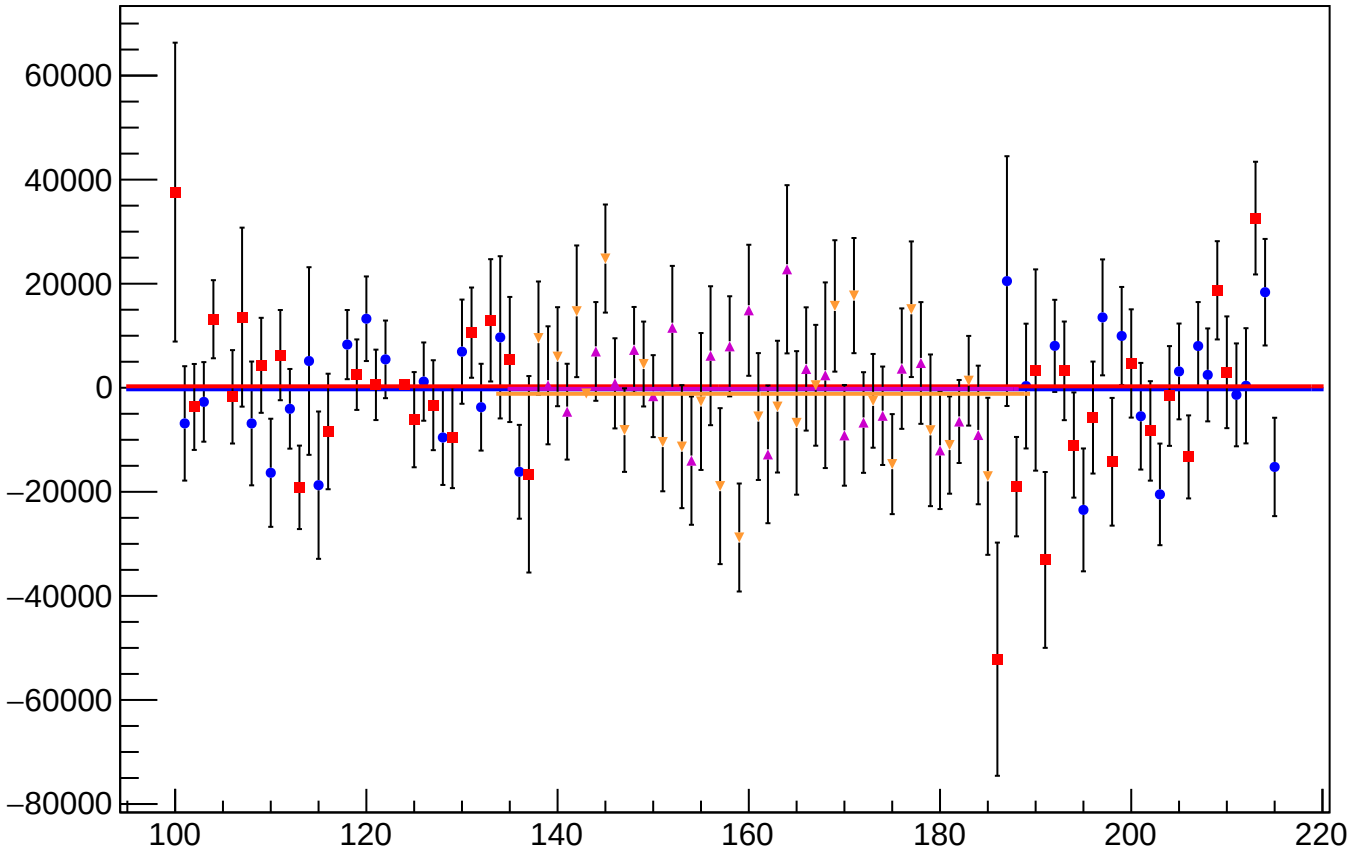
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2144.579+/-0.247 χ^2/NDF: 928238.6/64

In: 2256.771+/-0.262 χ^2/NDF:1062028.7/53

Out: 2269.245+/-0.263 χ^2/NDF:1773706.2/58

All: 2262.999+/-0.185 χ^2/NDF: 2836865.6/11



Right In: -293.622+/-1718.924 χ^2/NDF: 35.3/30

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 277.034+/-740.004 χ^2/NDF: 51.4/33

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

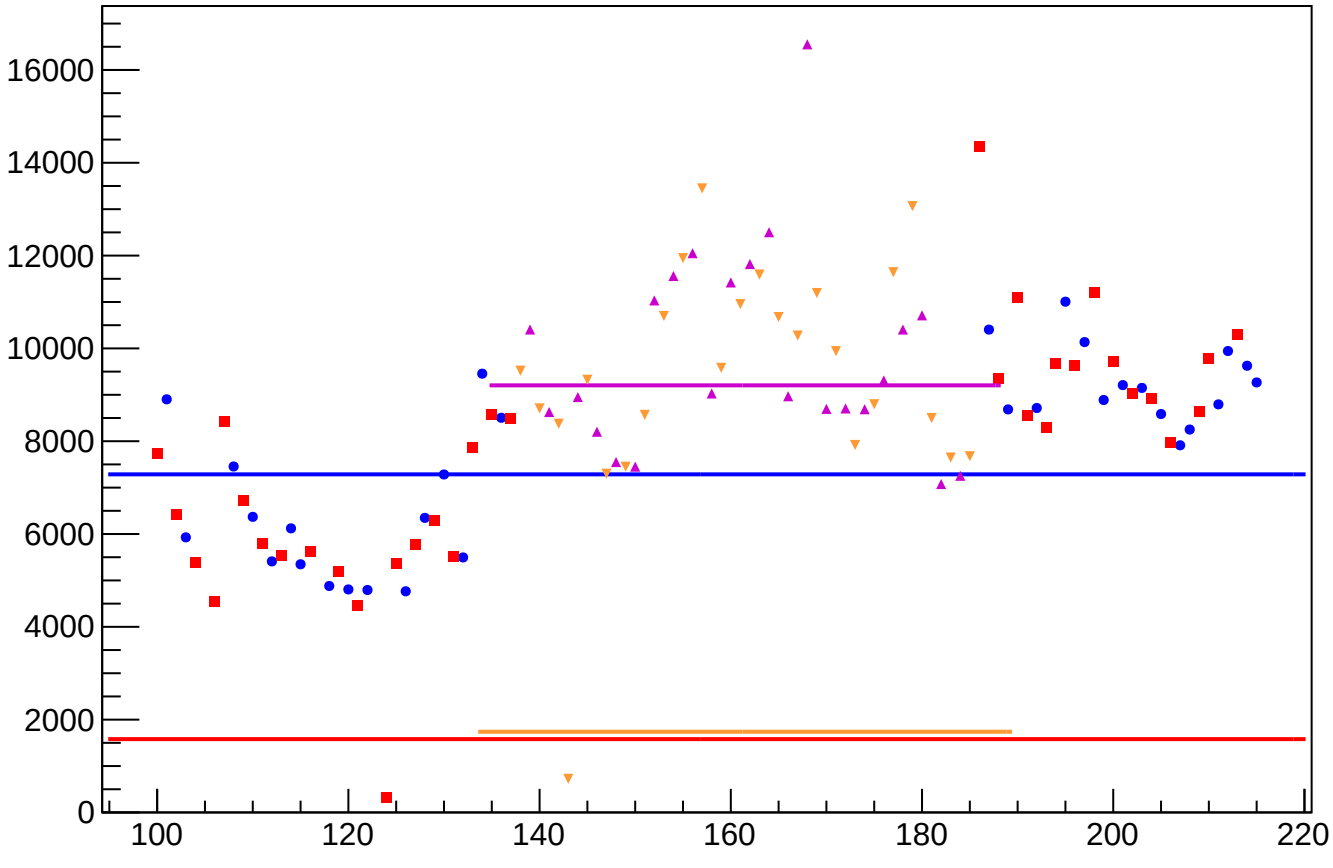
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 187.809+/-679.694 χ^2/NDF: 86.7/64

In: -261.645+/-1353.346 χ^2/NDF:48.7/53

Out: -423.486+/-529.418 χ^2/NDF:85.1/58

All: -402.007+/-493.036 χ^2/NDF: 133.8/112



Right In: 7285.920+/-1.215 χ^2/NDF: 2444307.0/30

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1580.286+/-0.523 χ^2/NDF: 28520595.5/33

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

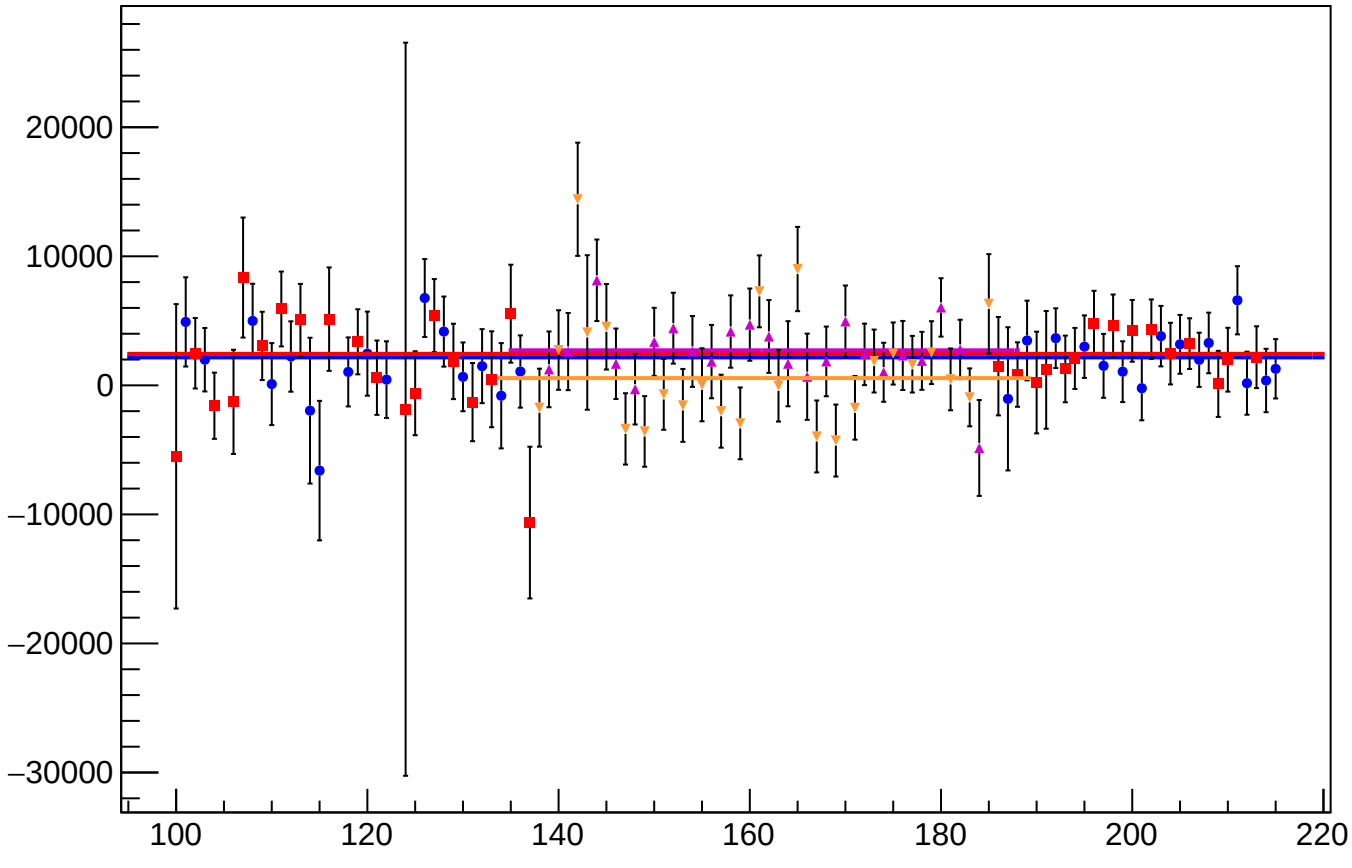
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2472.394+/-0.481 χ^2/NDF: 49555092.4/64

In: 8014.933+/-0.957 χ^2/NDF:4662755.0/53

Out: 1657.988+/-0.374 χ^2/NDF:56300858.5/58

All: 2501.687+/-0.349 χ^2/NDF: 99234483.9/1



Right In: 2167.413+/-490.422 χ^2/NDF: 17.0/30

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2441.378+/-497.725 χ^2/NDF: 23.3/33

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

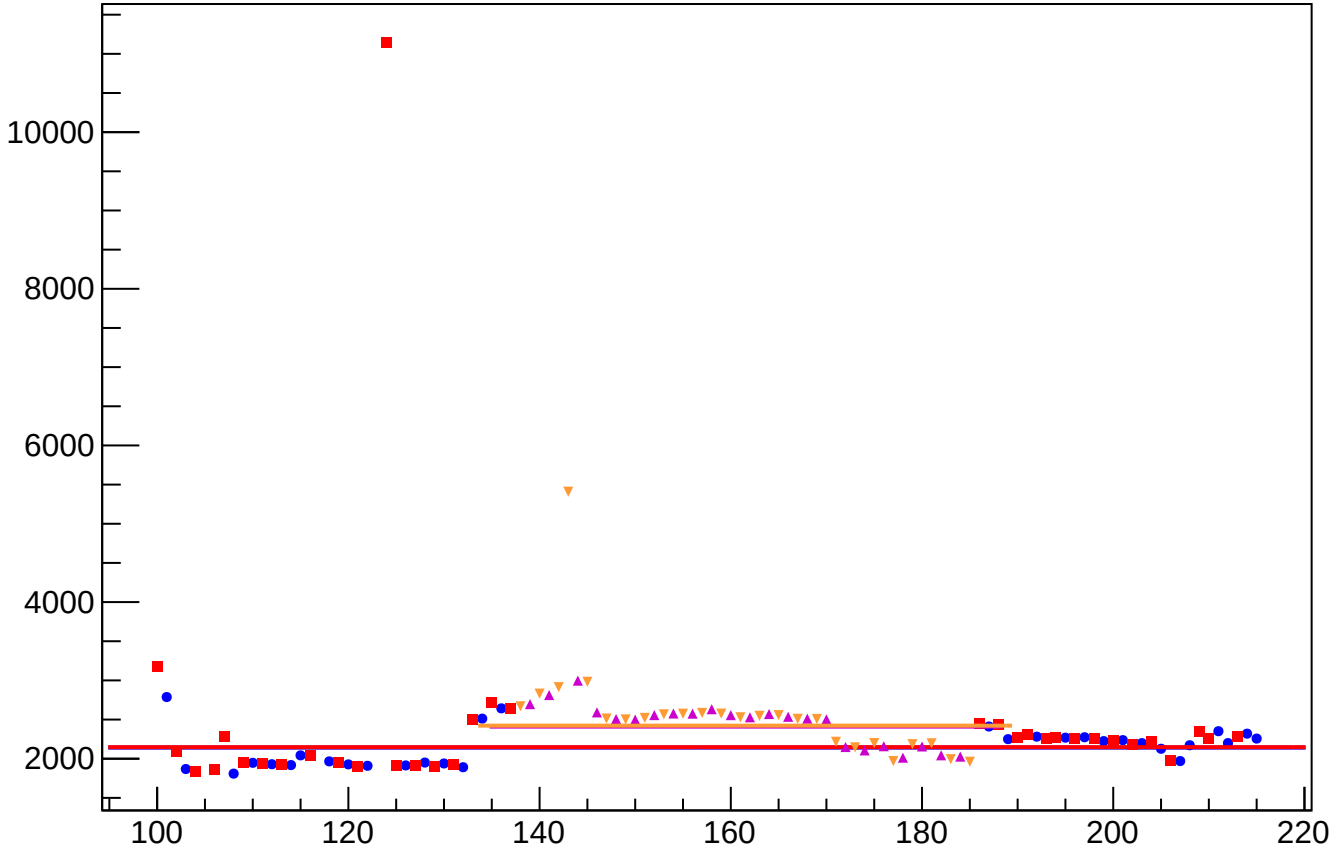
Right: 2302.371+/-349.334 χ^2/NDF: 40.4/64

In: 2402.634+/-370.700 χ^2/NDF:31.8/53

Out: 1607.677+/-371.232 χ^2/NDF:73.6/58

All: 2005.726+/-262.312 χ^2/NDF: 107.7/112

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2141.949+/-0.347 χ^2/NDF: 377898.8/30

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2147.289+/-0.352 χ^2/NDF: 550223.0/33

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

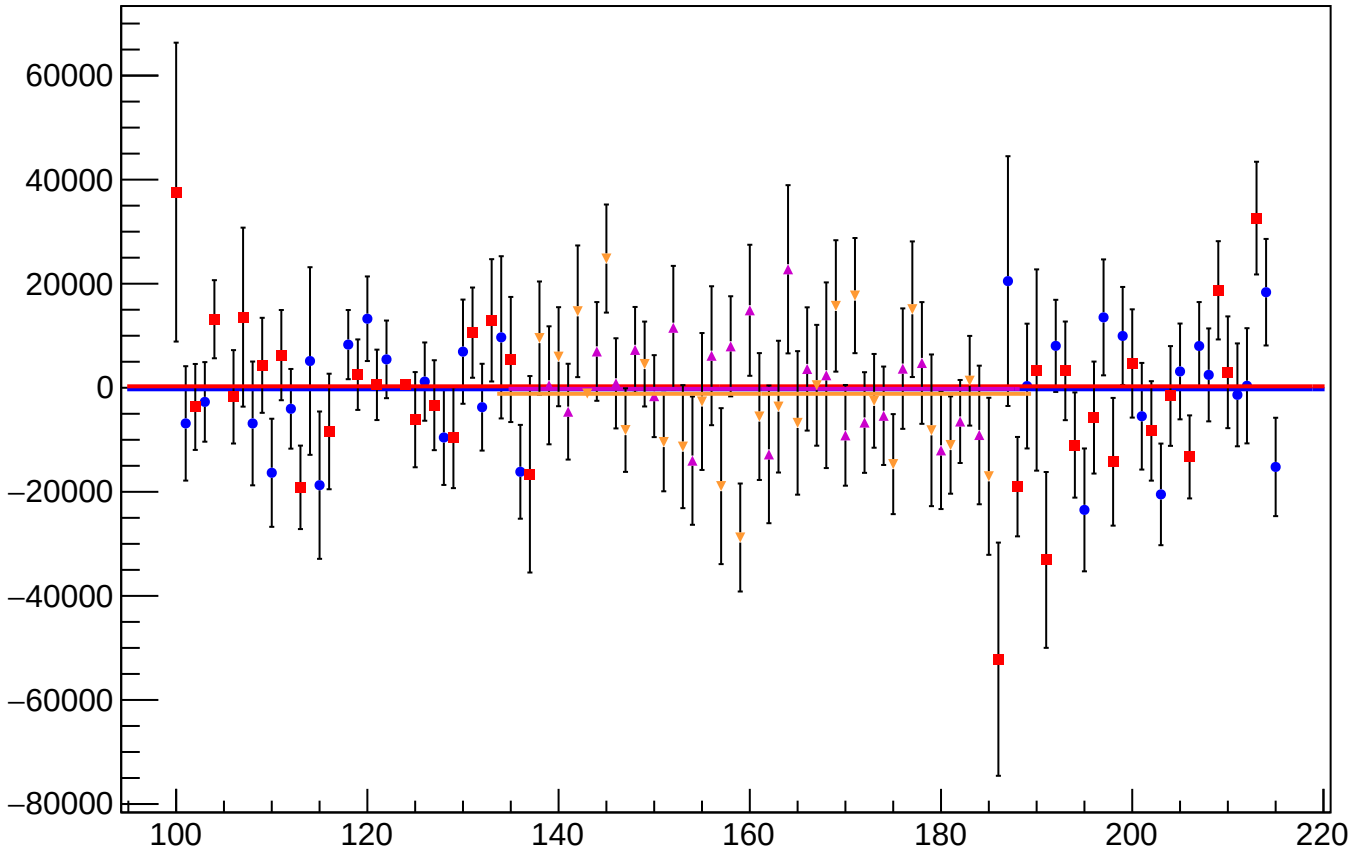
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2144.579+/-0.247 χ^2/NDF: 928238.6/64

In: 2256.771+/-0.262 χ^2/NDF:1062028.7/53

Out: 2269.245+/-0.263 χ^2/NDF:1773706.2/58

All: 2262.999+/-0.185 χ^2/NDF: 2836865.6/11



Right In: -293.622+/-1718.924 χ^2/NDF: 35.3/30

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 277.034+/-740.004 χ^2/NDF: 51.4/33

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

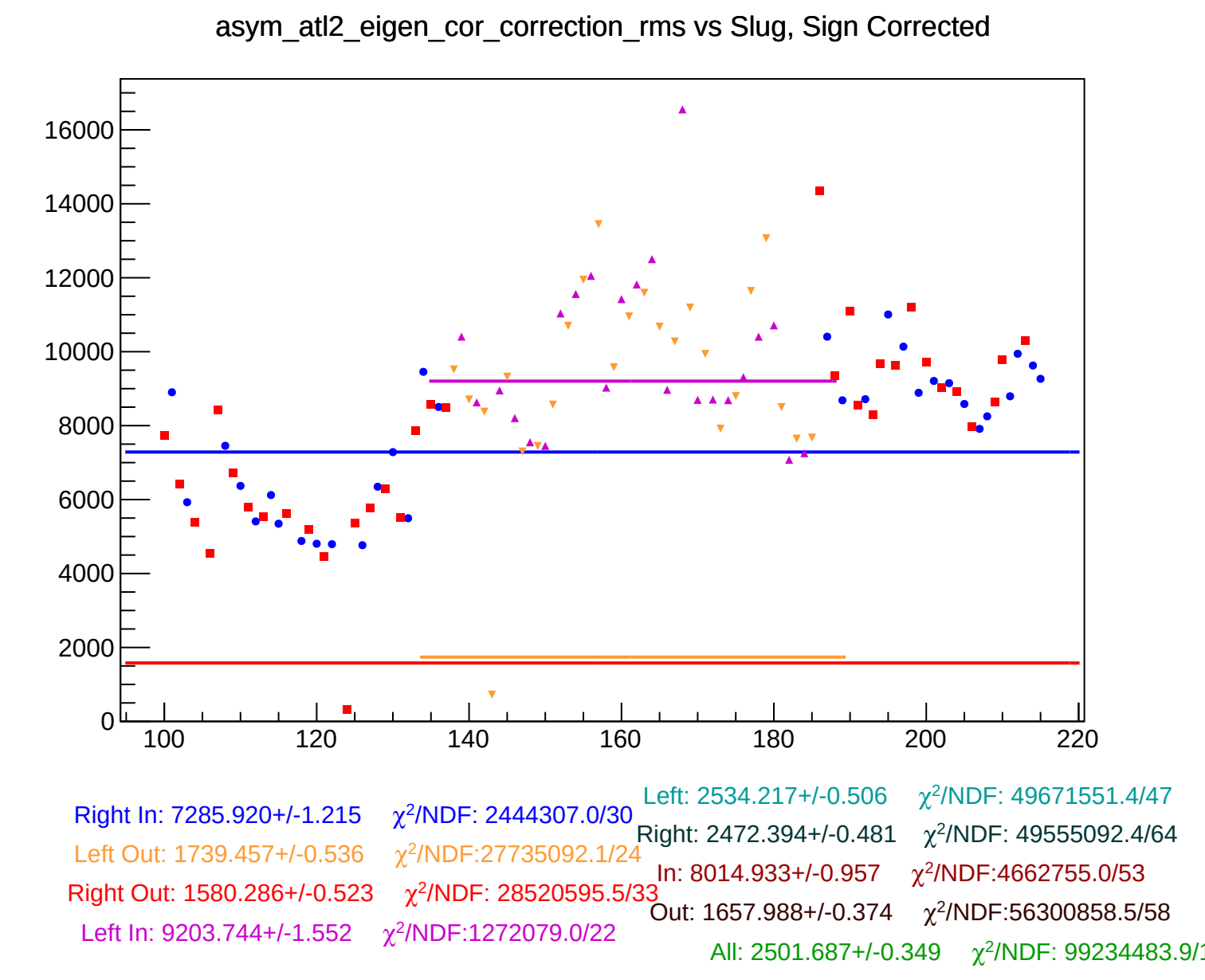
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 187.809+/-679.694 χ^2/NDF: 86.7/64

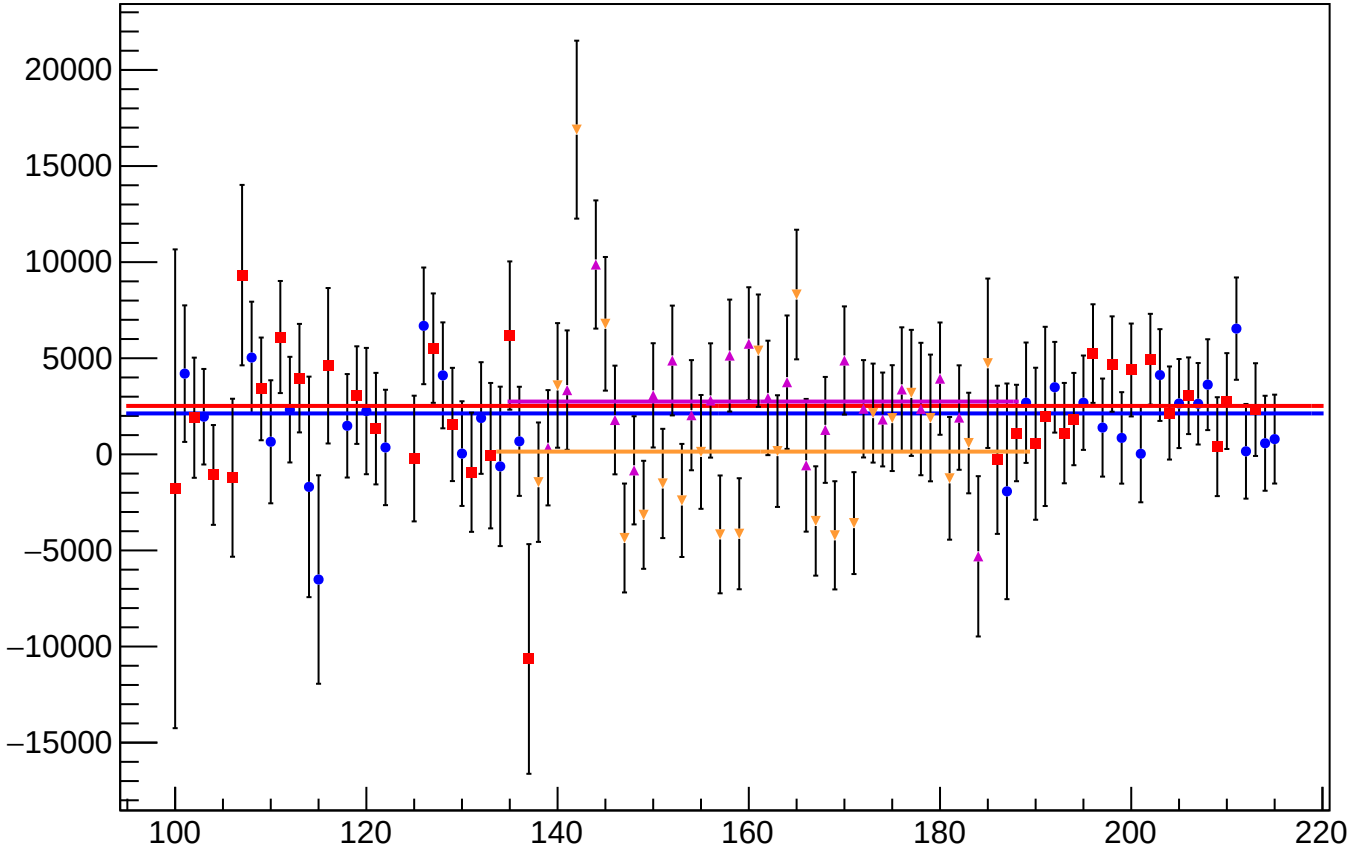
In: -261.645+/-1353.346 χ^2/NDF:48.7/53

Out: -423.486+/-529.418 χ^2/NDF:85.1/58

All: -402.007+/-493.036 χ^2/NDF: 133.8/112


asym_atl2_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
220
Right In: 7285.920+/-1.215 χ²/NDF: 2444307.0/30
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1580.286+/-0.523 χ²/NDF: 28520595.5/33
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
Left: 2534.217+/-0.506 χ²/NDF: 49671551.4/47
Right: 2472.394+/-0.481 χ²/NDF: 49555092.4/64
In: 8014.933+/-0.957 χ²/NDF:4662755.0/53
Out: 1657.988+/-0.374 χ²/NDF:56300858.5/58
All: 2501.687+/-0.349 χ²/NDF: 99234483.9/1

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2128.740+/-496.433 χ^2/NDF: 16.3/30

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2518.930+/-505.893 χ^2/NDF: 22.6/32

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

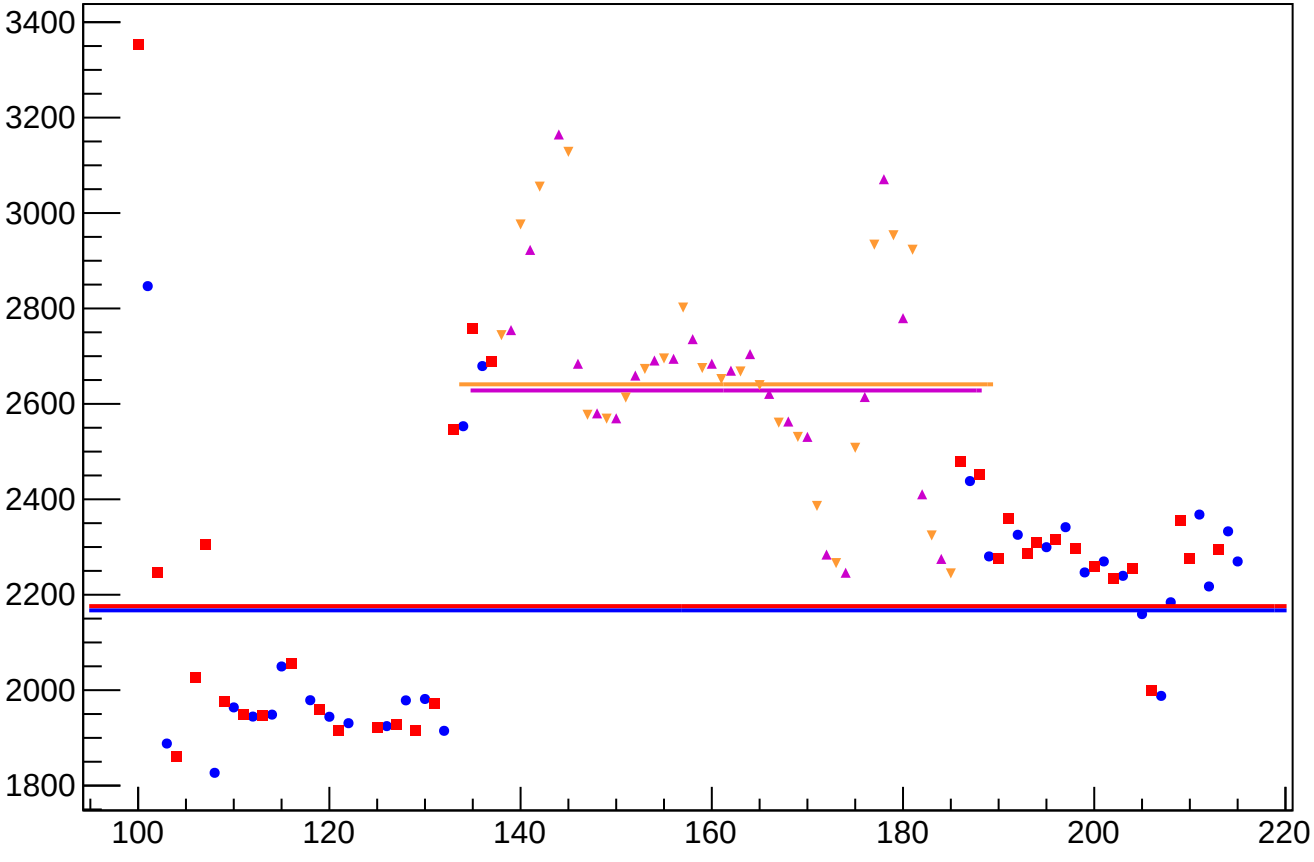
Right: 2320.152+/-354.328 χ^2/NDF: 39.2/63

In: 2371.717+/-386.565 χ^2/NDF:32.4/53

Out: 1561.220+/-390.881 χ^2/NDF:77.3/56

All: 1970.969+/-274.856 χ^2/NDF: 111.8/110

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2167.298+/-0.351 χ^2/NDF: 389596.4/30

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2176.155+/-0.357 χ^2/NDF: 353245.0/32

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

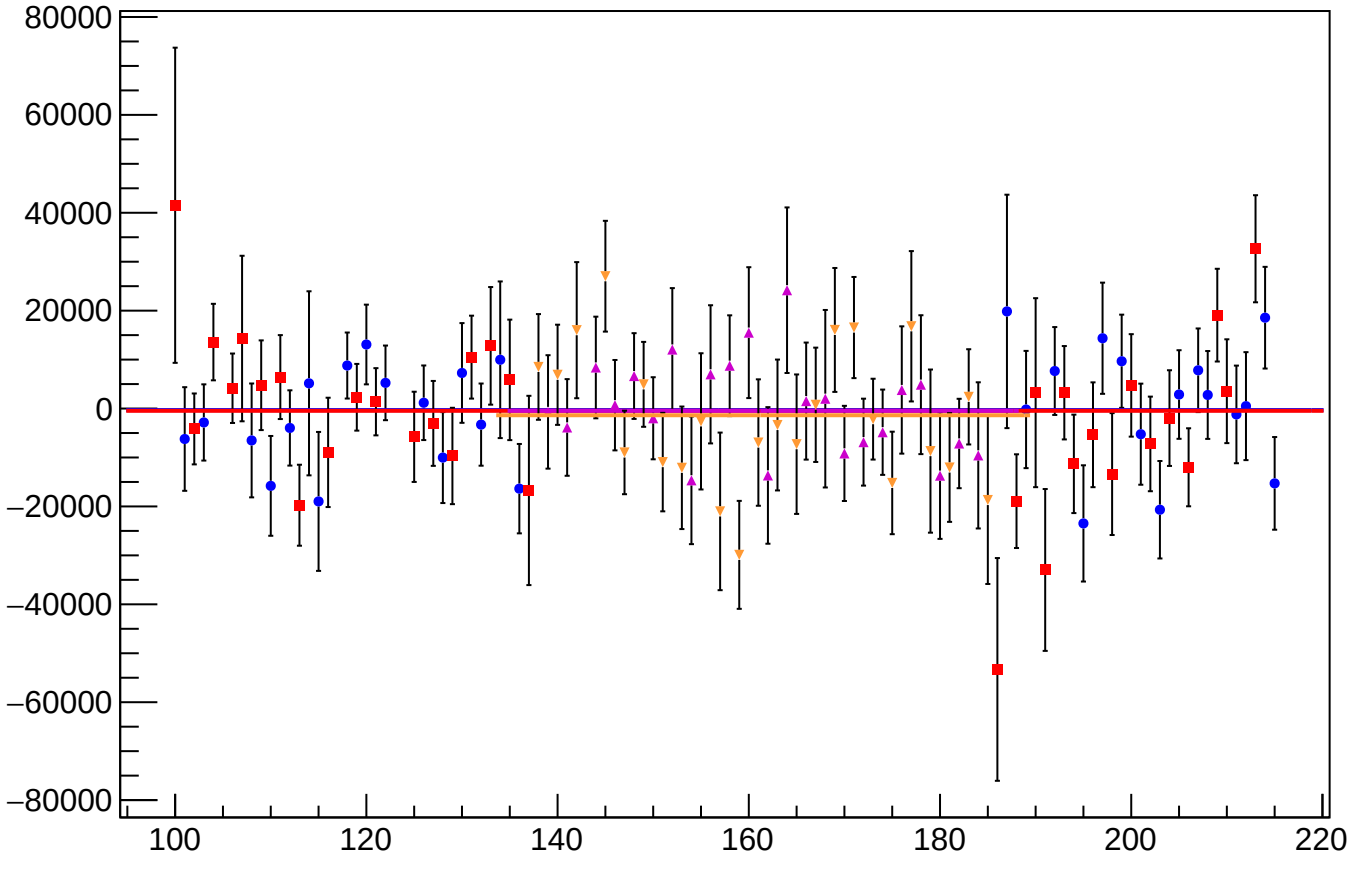
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2171.646+/-0.250 χ^2/NDF: 743153.9/63

In: 2348.698+/-0.273 χ^2/NDF:1305482.4/53

Out: 2363.340+/-0.276 χ^2/NDF:1287488.7/56

All: 2355.940+/-0.194 χ^2/NDF: 2594390.3/11



Right In: -316.748+/-1731.866 χ^2/NDF: 34.9/30

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -458.869+/-1700.534 χ^2/NDF: 50.8/32

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

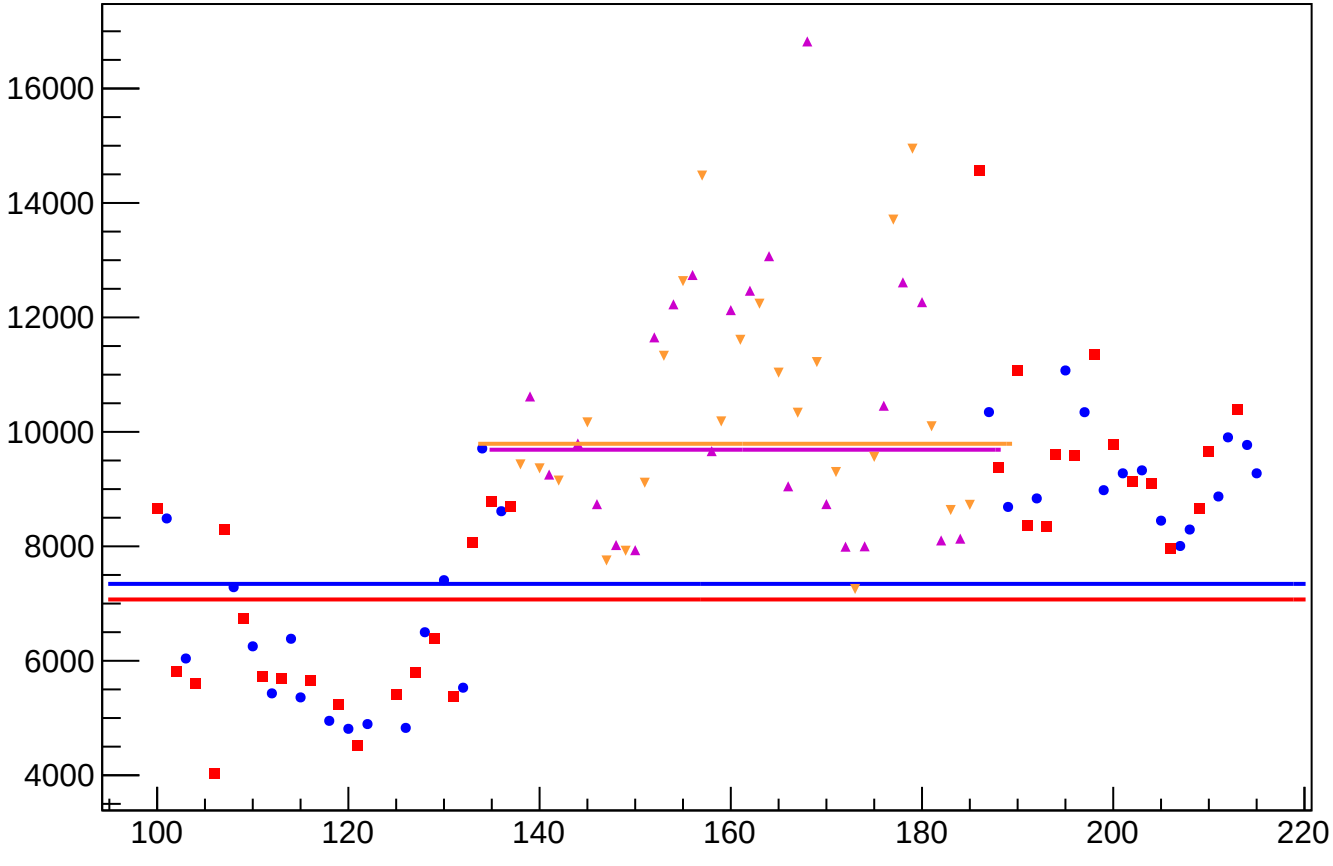
Right: -389.106+/-1213.385 χ^2/NDF: 85.7/63

In: -369.522+/-1386.640 χ^2/NDF:48.0/53

Out: -775.086+/-1372.841 χ^2/NDF:82.1/56

All: -574.332+/-975.587 χ^2/NDF: 130.1/110

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 7343.984+/-1.225 χ^2/NDF: 2401432.6/30

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 7071.616+/-1.202 χ^2/NDF: 2974532.4/32

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

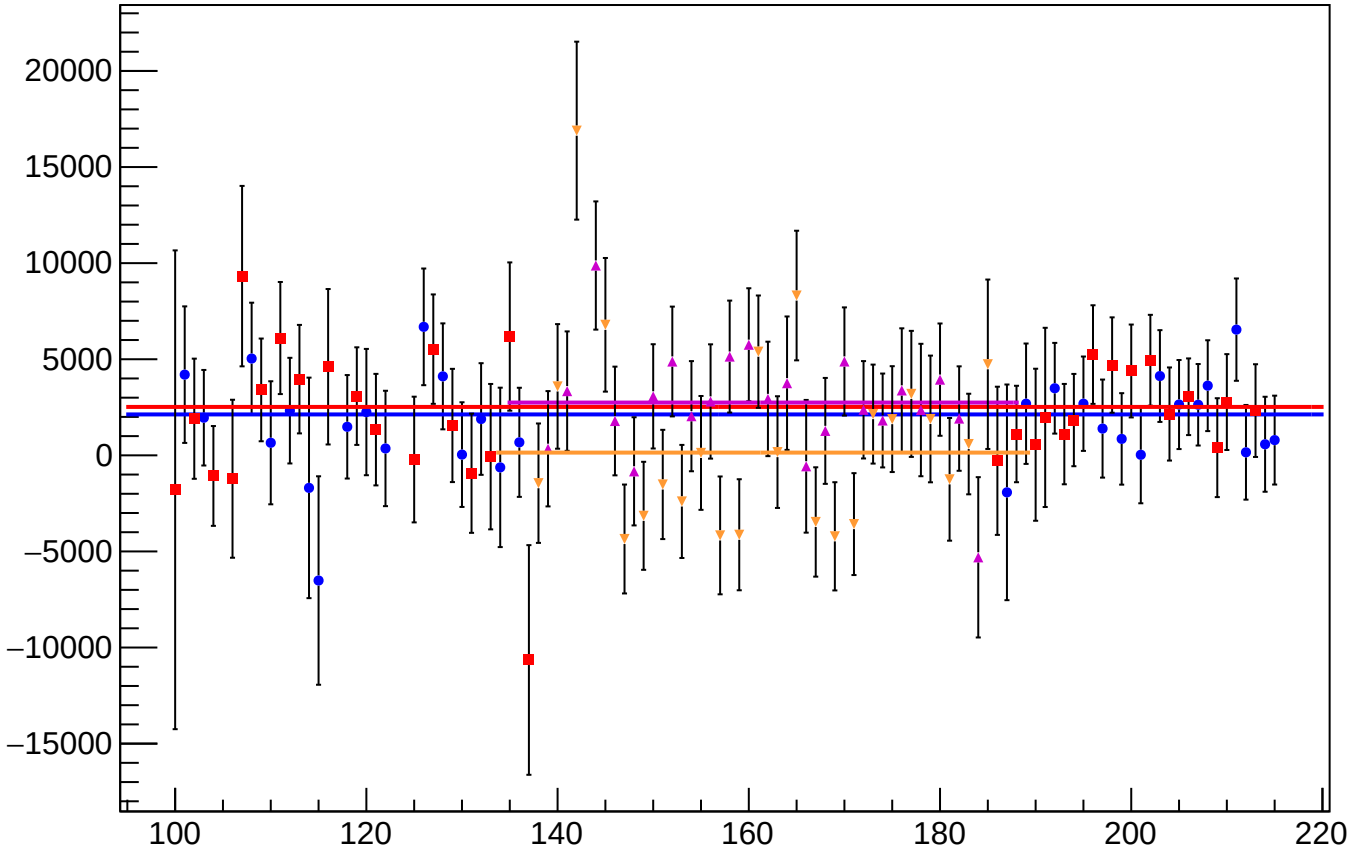
Right: 7205.314+/-0.858 χ^2/NDF: 5401149.9/63

In: 8185.408+/-0.981 χ^2/NDF:5094862.2/53

Out: 8019.119+/-0.971 χ^2/NDF:5976412.8/56

All: 8101.432+/-0.690 χ^2/NDF: 11085800.3/1

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2128.741+/-496.433 χ^2/NDF: 16.3/30

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2518.927+/-505.893 χ^2/NDF: 22.6/32

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

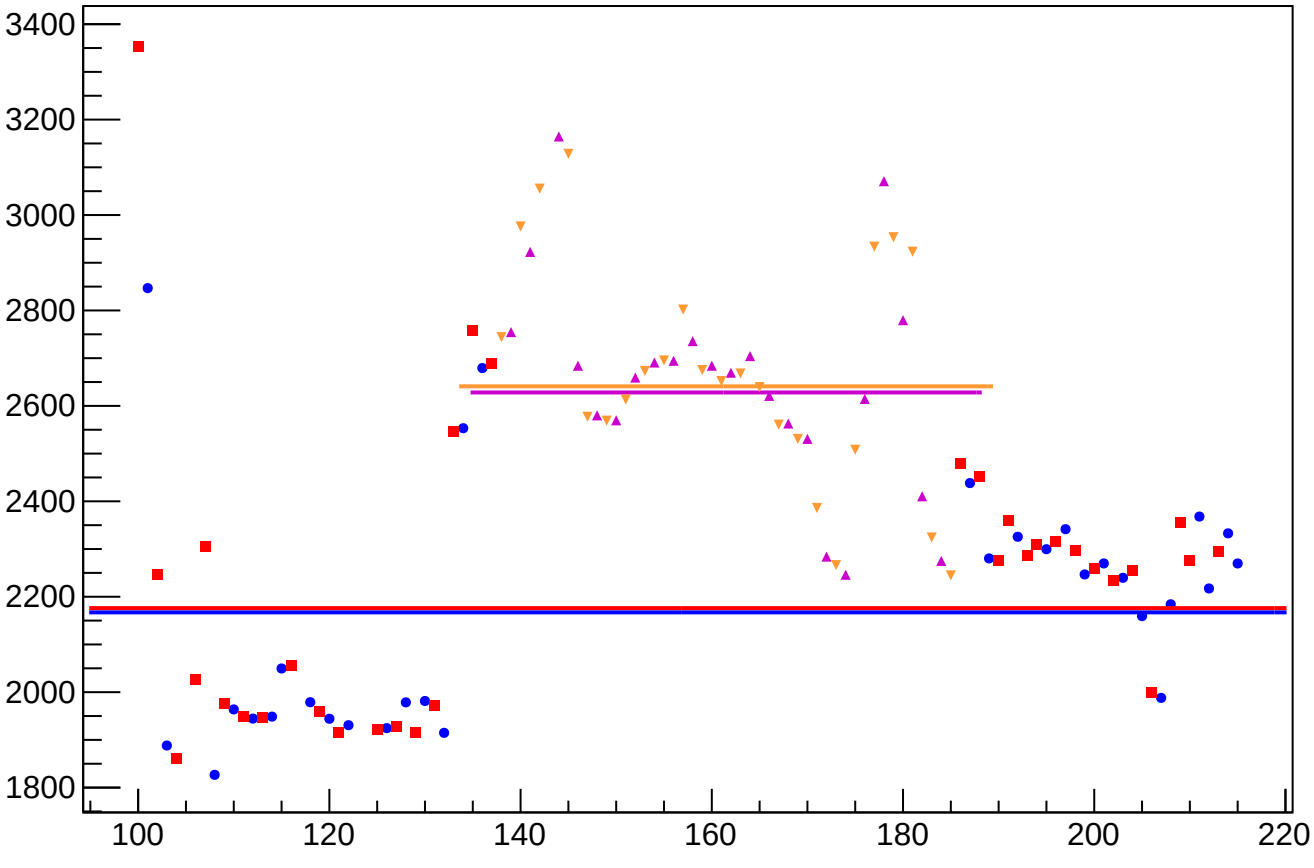
Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

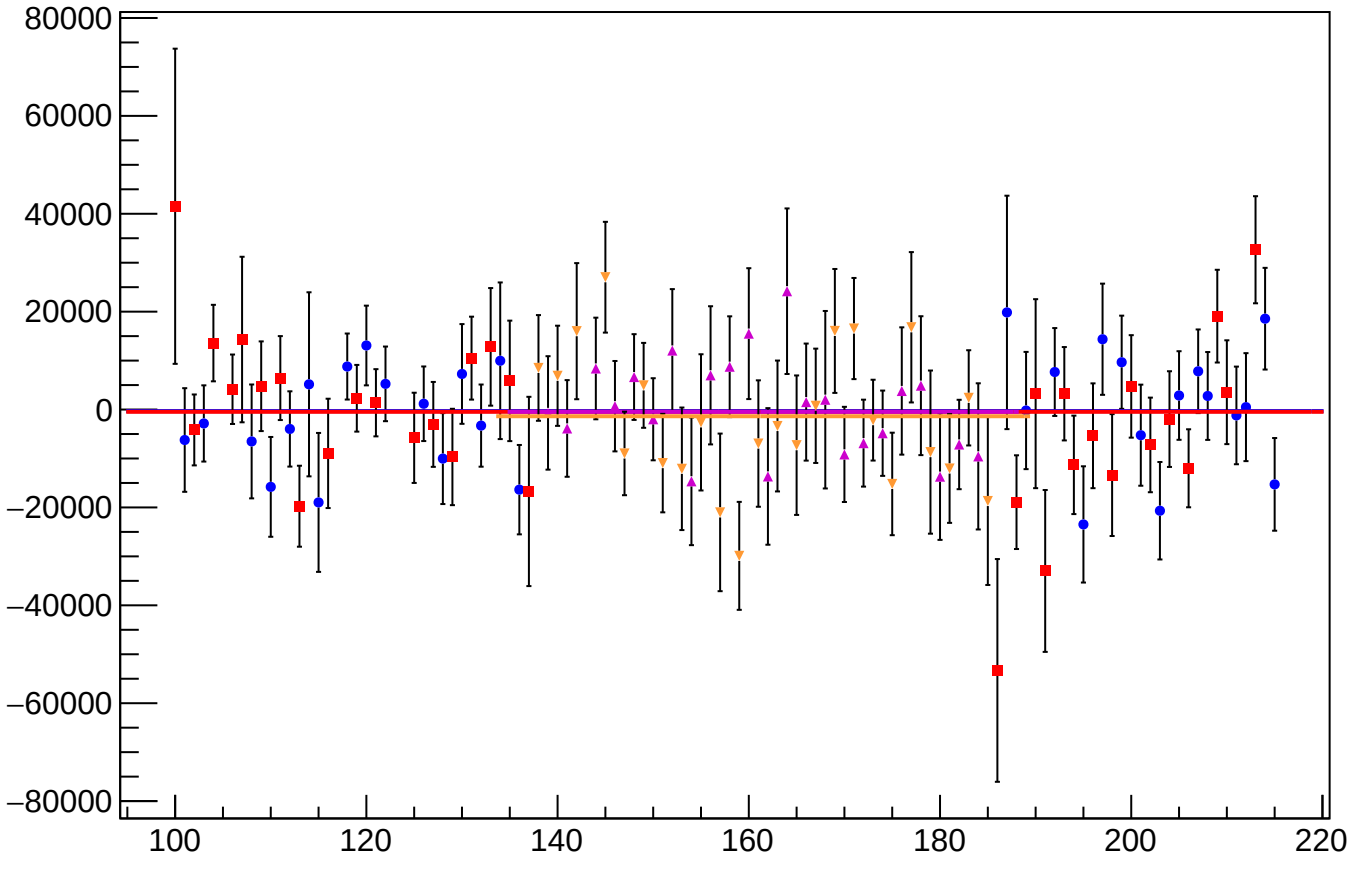
Right: 2320.152+/-354.328 χ^2/NDF: 39.2/63

In: 2371.717+/-386.565 χ^2/NDF:32.4/53

Out: 1561.216+/-390.882 χ^2/NDF:77.3/56

All: 1970.966+/-274.856 χ^2/NDF: 111.8/110


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: 2167.299+/-0.351 χ²/NDF: 389596.4/30
Left Out: 2640.993+/-0.435 χ²/NDF:253411.8/23
Right Out: 2176.155+/-0.357 χ²/NDF: 353245.6/32
Left In: 2628.116+/-0.436 χ²/NDF:237516.8/22
Left: 2634.558+/-0.308 χ²/NDF: 491365.7/46
Right: 2171.646+/-0.250 χ²/NDF: 743154.4/63
In: 2348.699+/-0.273 χ²/NDF:1305496.7/53
Out: 2363.340+/-0.276 χ²/NDF:1287504.7/56
All: 2355.941+/-0.194 χ²/NDF: 2594420.6/11



Right In: -316.741+/-1731.865 χ^2/NDF: 34.9/30

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -458.861+/-1700.533 χ^2/NDF: 50.8/32

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

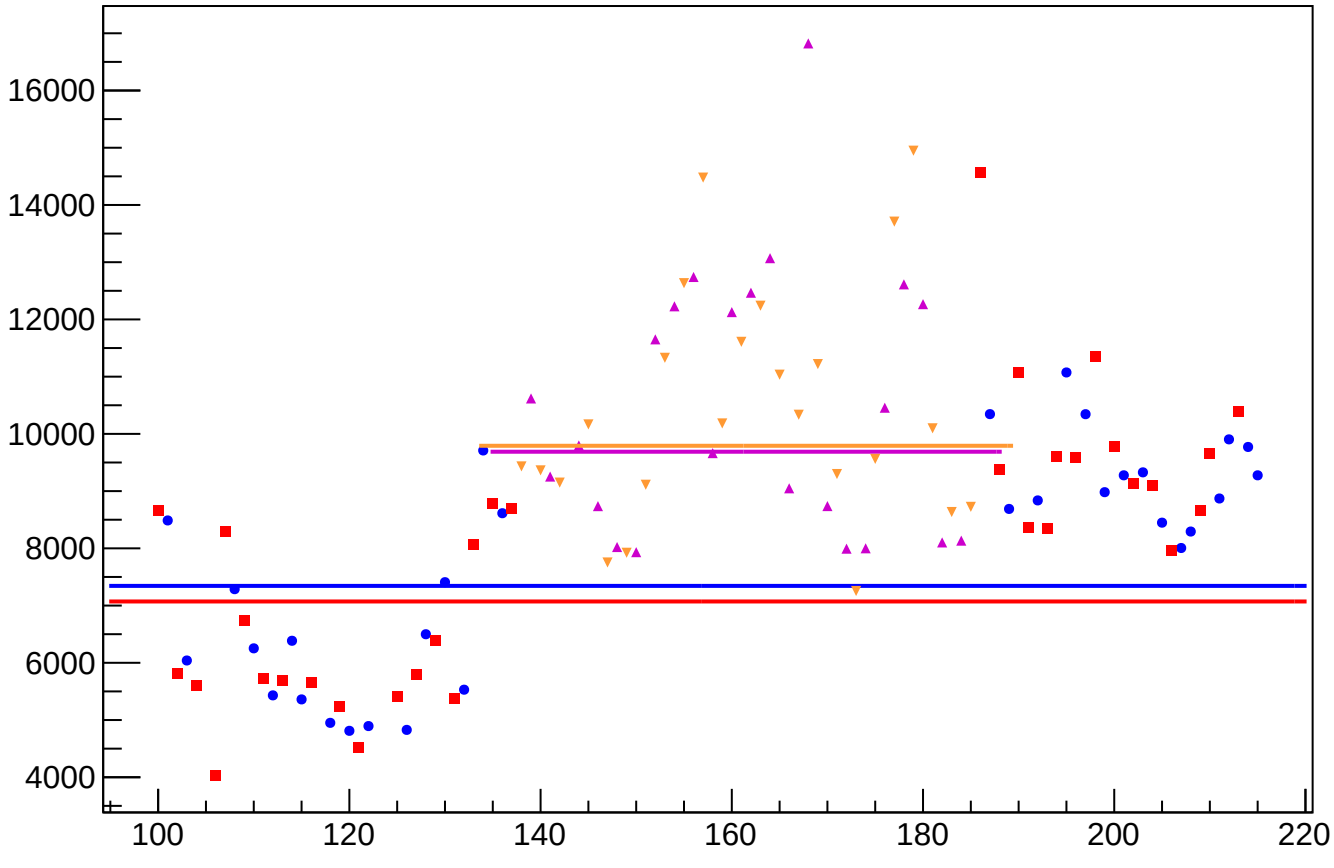
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -389.098+/-1213.384 χ^2/NDF: 85.7/63

In: -369.518+/-1386.640 χ^2/NDF:48.0/53

Out: -775.083+/-1372.841 χ^2/NDF:82.1/56

All: -574.328+/-975.587 χ^2/NDF: 130.1/110



Right In: 7343.974+/-1.225 χ^2/NDF: 2401482.5/30

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 7071.604+/-1.202 χ^2/NDF: 2974572.0/32

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

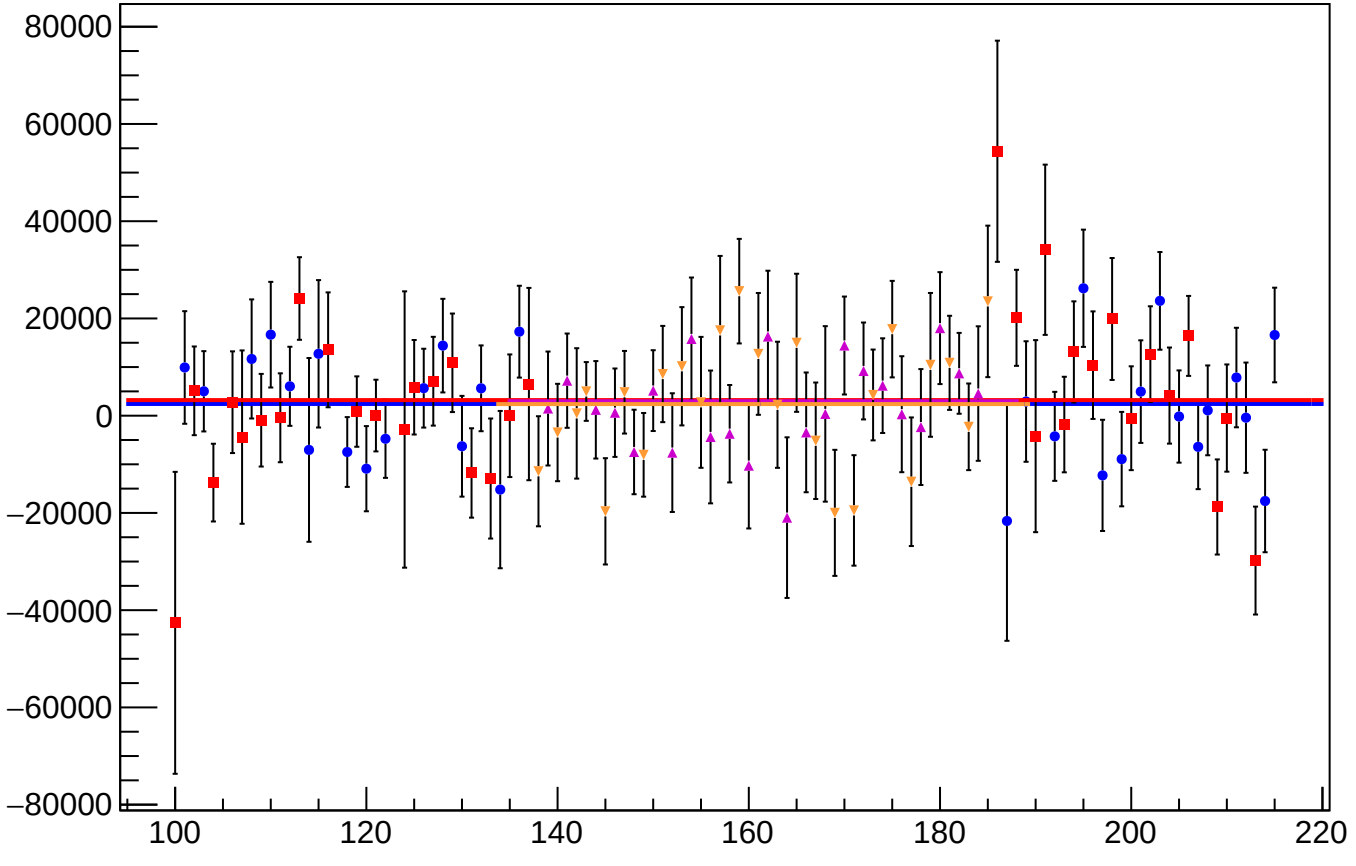
Right: 7205.303+/-0.858 χ^2/NDF: 5401239.8/63

In: 8185.405+/-0.981 χ^2/NDF:5094939.6/53

Out: 8019.113+/-0.971 χ^2/NDF:5976487.8/56

All: 8101.428+/-0.690 χ^2/NDF: 11085953.1/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2411.584+/-1802.809 χ^2/NDF: 35.0/30

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 3207.152+/-1806.748 χ^2/NDF: 52.0/33

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

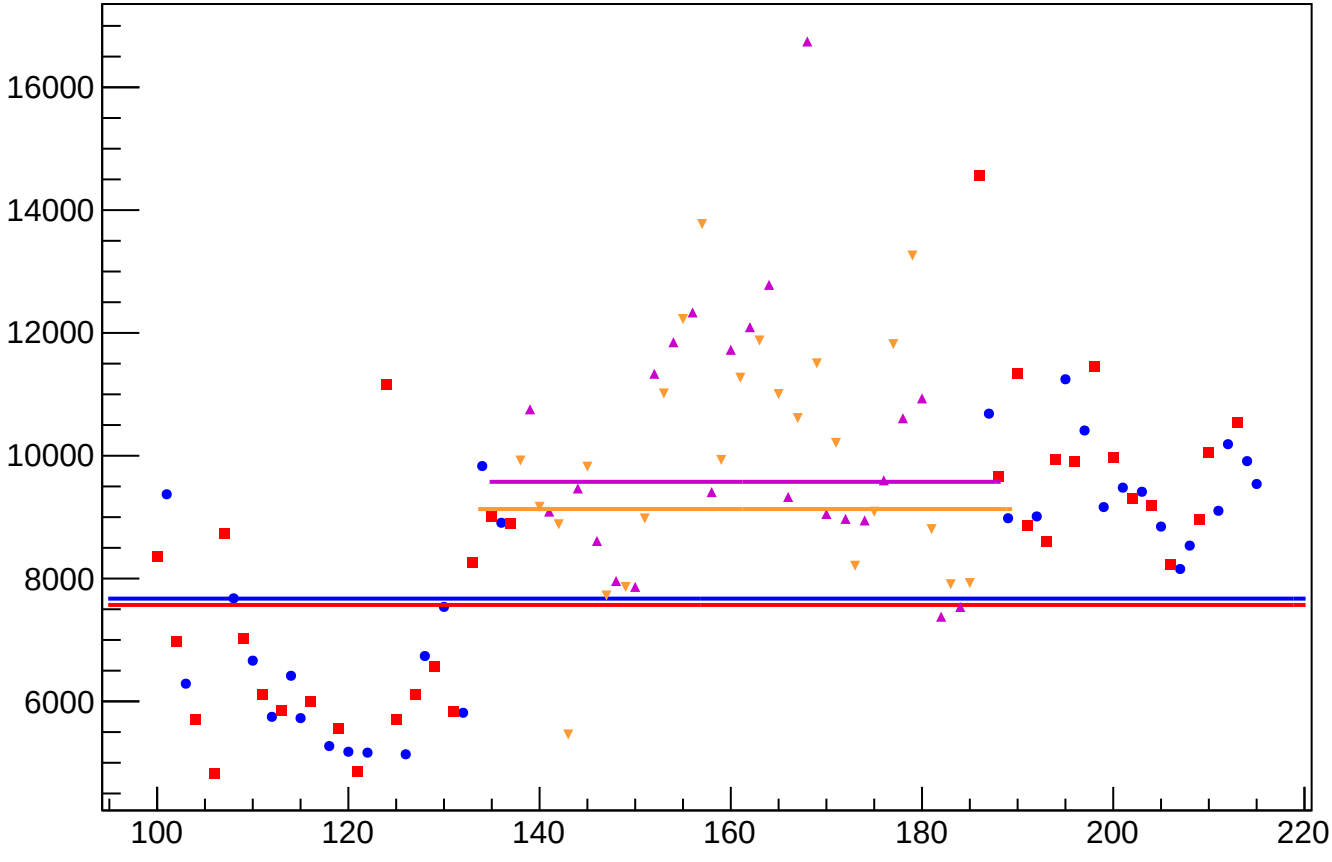
Right: 2808.500+/-1276.169 χ^2/NDF: 87.1/64

In: 2624.042+/-1413.890 χ^2/NDF:48.0/53

Out: 2865.548+/-1379.592 χ^2/NDF:81.8/58

All: 2747.759+/-987.422 χ^2/NDF: 129.8/112

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7673.179+/-1.275 χ^2/NDF: 2130870.3/30

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7570.332+/-1.278 χ^2/NDF: 2437604.3/33

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

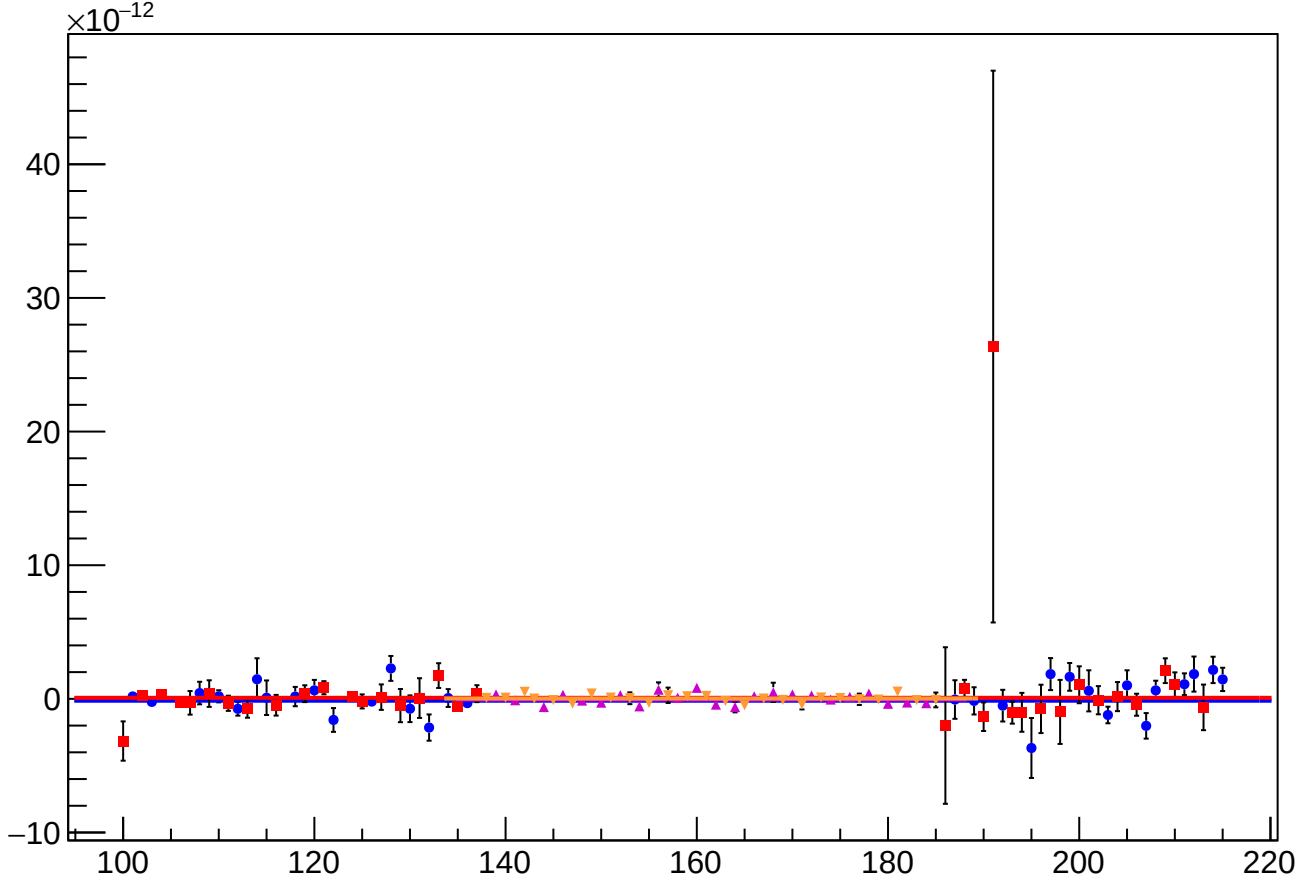
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7621.868+/-0.902 χ^2/NDF: 4571722.0/64

In: 8405.317+/-1.000 χ^2/NDF:4141605.7/53

Out: 8221.348+/-0.976 χ^2/NDF:4872049.0/58

All: 8311.074+/-0.698 χ^2/NDF: 9031000.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 52.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.5/33

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

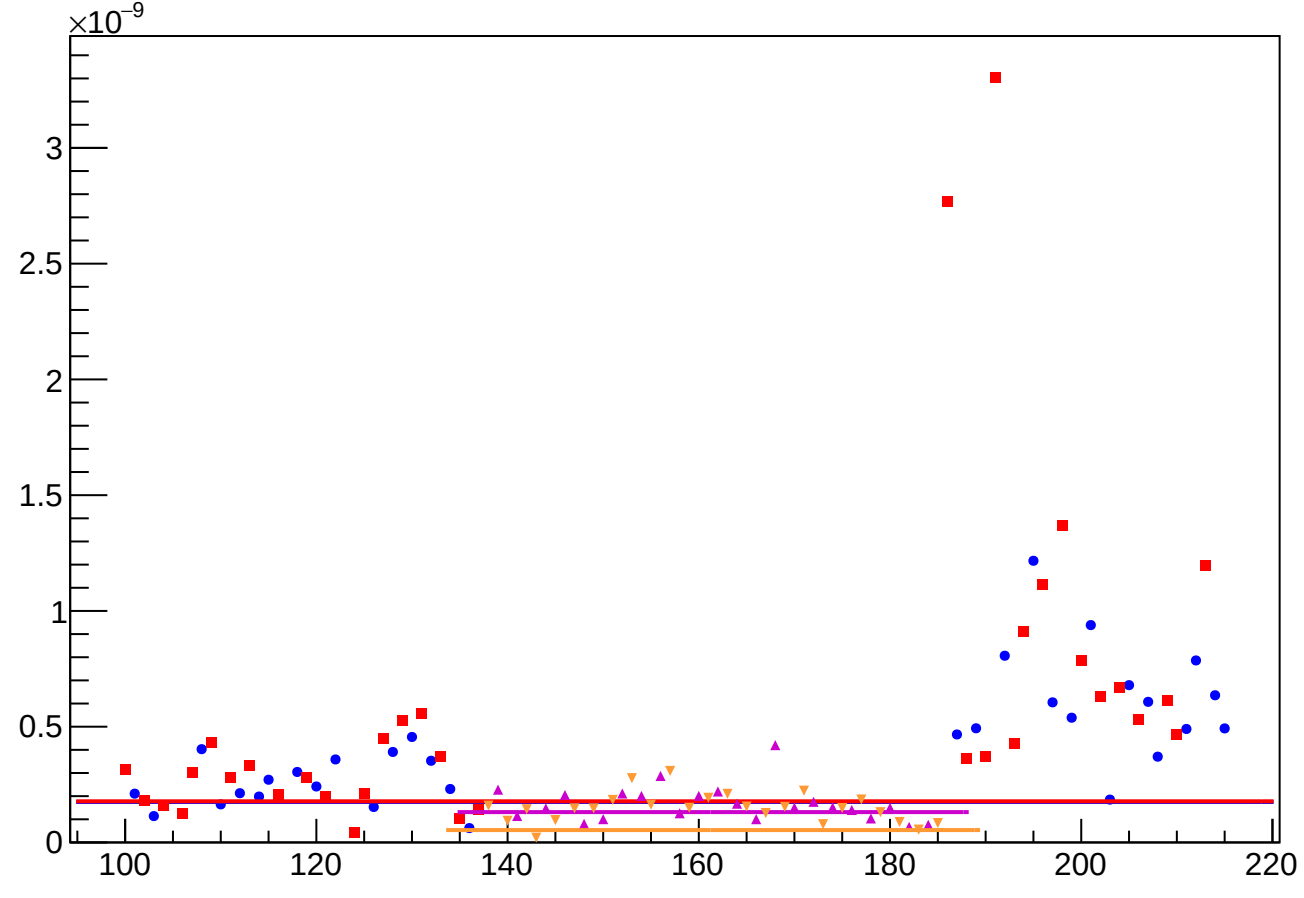
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 90.8/64

In: -0.000+/-0.000 χ^2/NDF:89.9/53

Out: 0.000+/-0.000 χ^2/NDF:53.7/58

All: 0.000+/-0.000 χ^2/NDF: 147.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 6848934.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8003646.9/33

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

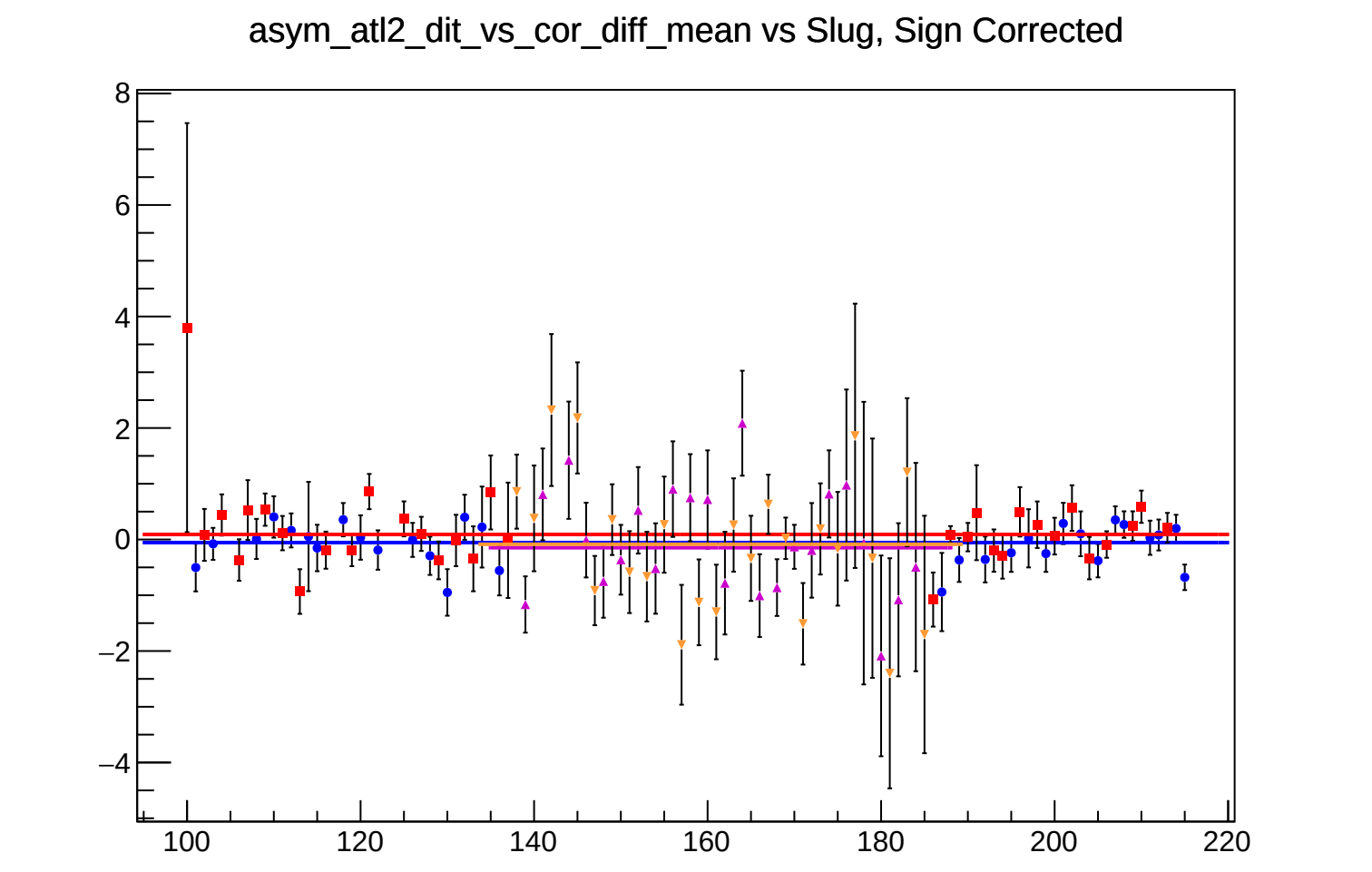
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14853529.4/64

In: 0.000+/-0.000 χ^2/NDF:9103653.8/53

Out: 0.000+/-0.000 χ^2/NDF:18634067.3/58

All: 0.000+/-0.000 χ^2/NDF: 31797892.6/112



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.091+/-0.059 χ^2/NDF: 40.5/32

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

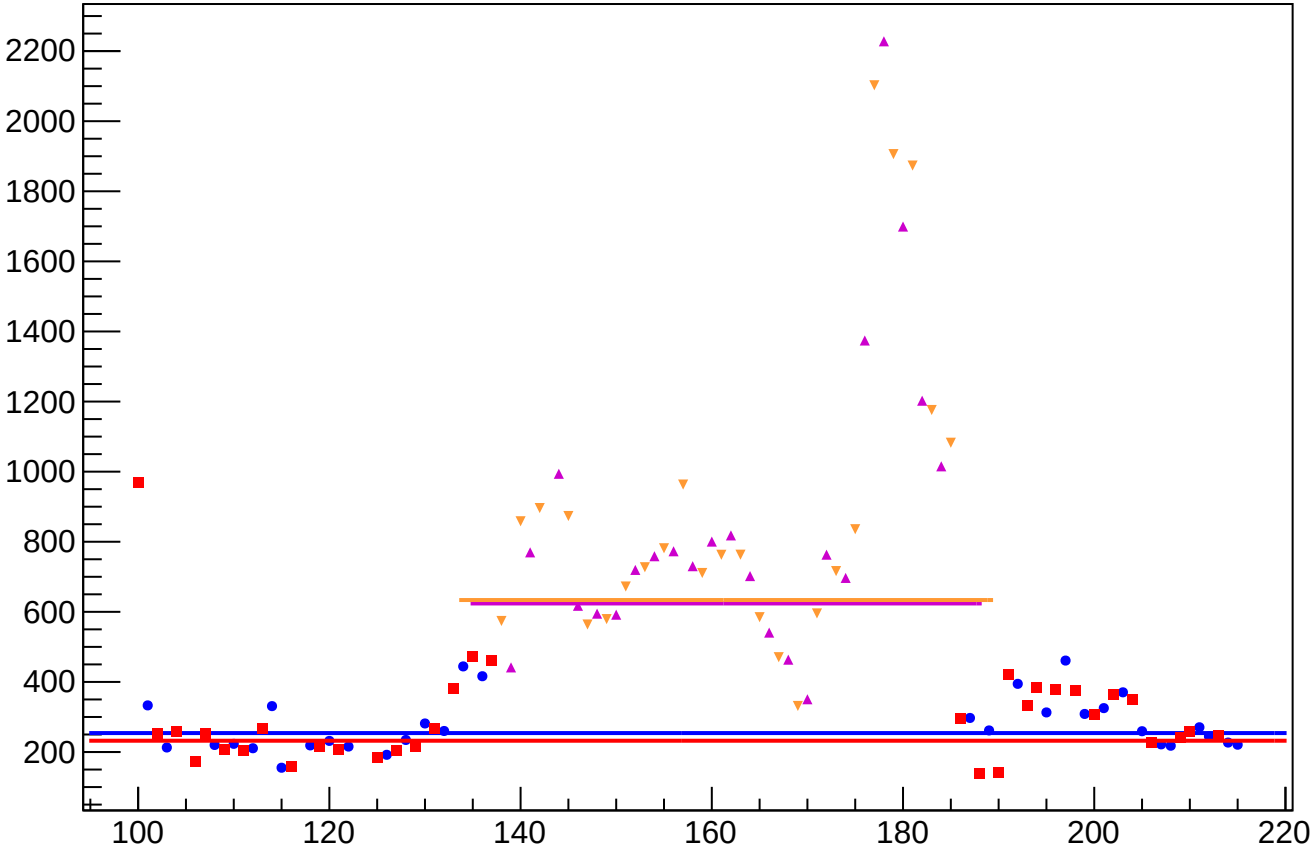
Right: 0.021+/-0.042 χ^2/NDF: 75.7/63

In: -0.067+/-0.057 χ^2/NDF:59.0/53

Out: 0.071+/-0.055 χ^2/NDF:71.8/56

All: 0.004+/-0.040 χ^2/NDF: 133.8/110

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 254.090+/-0.043 χ^2/NDF: 1932803.3/30

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 232.241+/-0.041 χ^2/NDF: 3438161.2/32

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

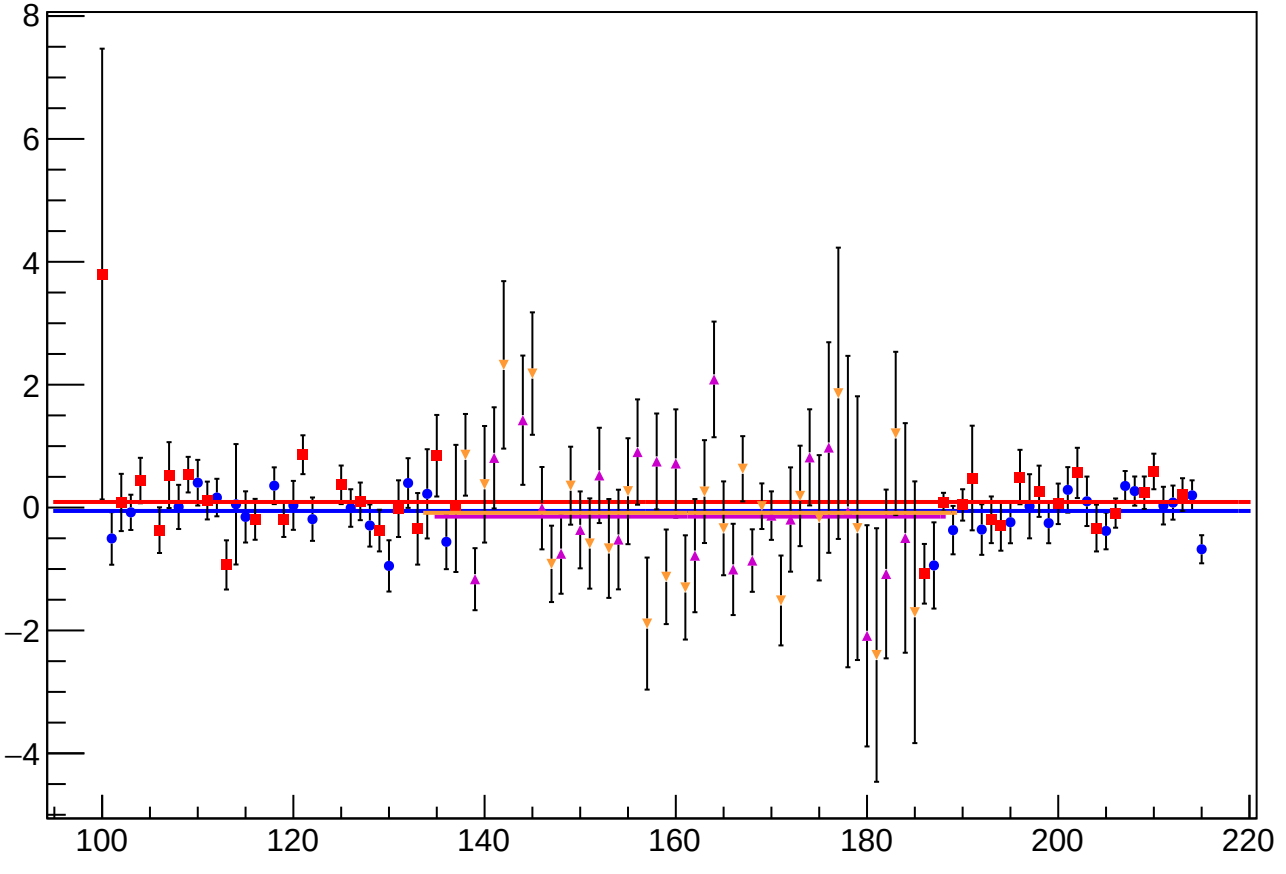
Right: 242.710+/-0.030 χ^2/NDF: 5504423.7/63

In: 302.011+/-0.040 χ^2/NDF:15986385.1/53

Out: 278.906+/-0.039 χ^2/NDF:19362038.1/56

All: 290.064+/-0.028 χ^2/NDF: 35518623.5/11

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.091+/-0.059 χ^2/NDF: 40.5/32

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

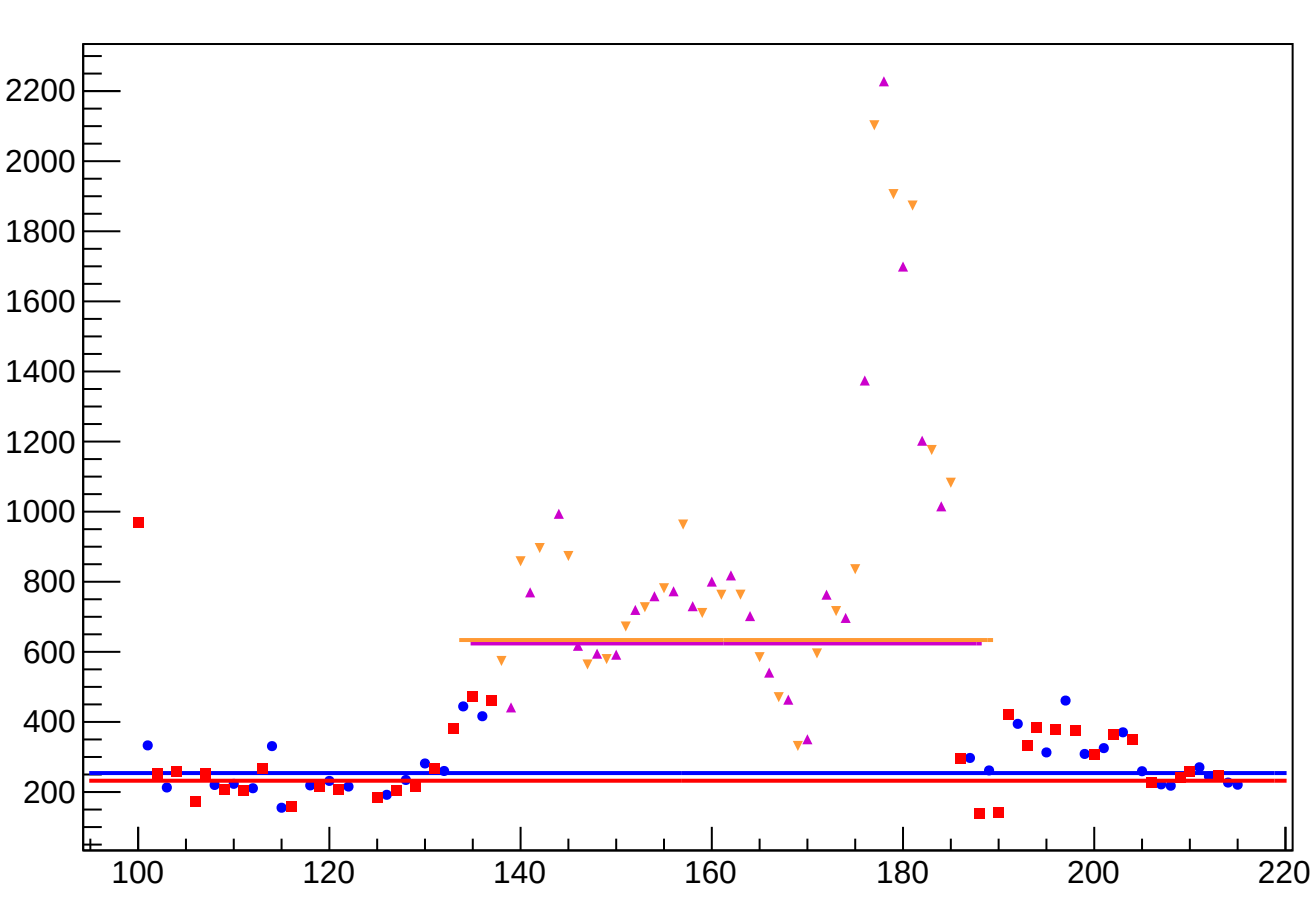
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

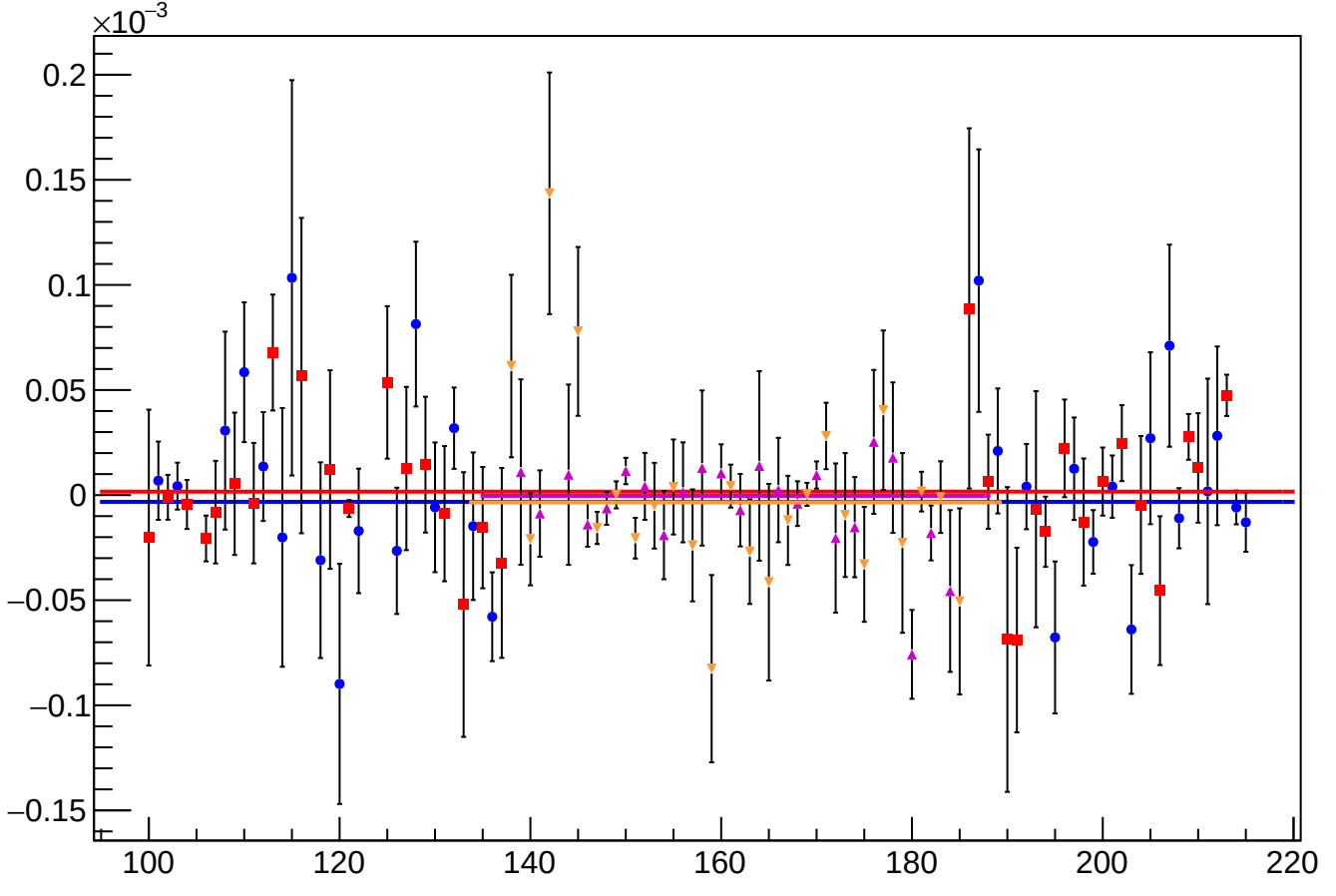
Right: 0.021+/-0.042 χ^2/NDF: 75.7/63

In: -0.067+/-0.057 χ^2/NDF:59.0/53

Out: 0.071+/-0.055 χ^2/NDF:71.8/56

All: 0.004+/-0.040 χ^2/NDF: 133.8/110


asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 254.090+/-0.043 χ²/NDF: 1932803.3/30
Left Out: 633.674+/-0.114 χ²/NDF:4994105.8/23
Right Out: 232.241+/-0.041 χ²/NDF: 3438161.2/32
Left In: 623.916+/-0.112 χ²/NDF:4541431.8/22
Left: 628.697+/-0.080 χ²/NDF: 9539265.1/46
Right: 242.710+/-0.030 χ²/NDF: 5504423.7/63
In: 302.011+/-0.040 χ²/NDF:15986385.1/53
Out: 278.906+/-0.039 χ²/NDF:19362038.1/56
All: 290.064+/-0.028 χ²/NDF: 35518623.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 42.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 57.4/32

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

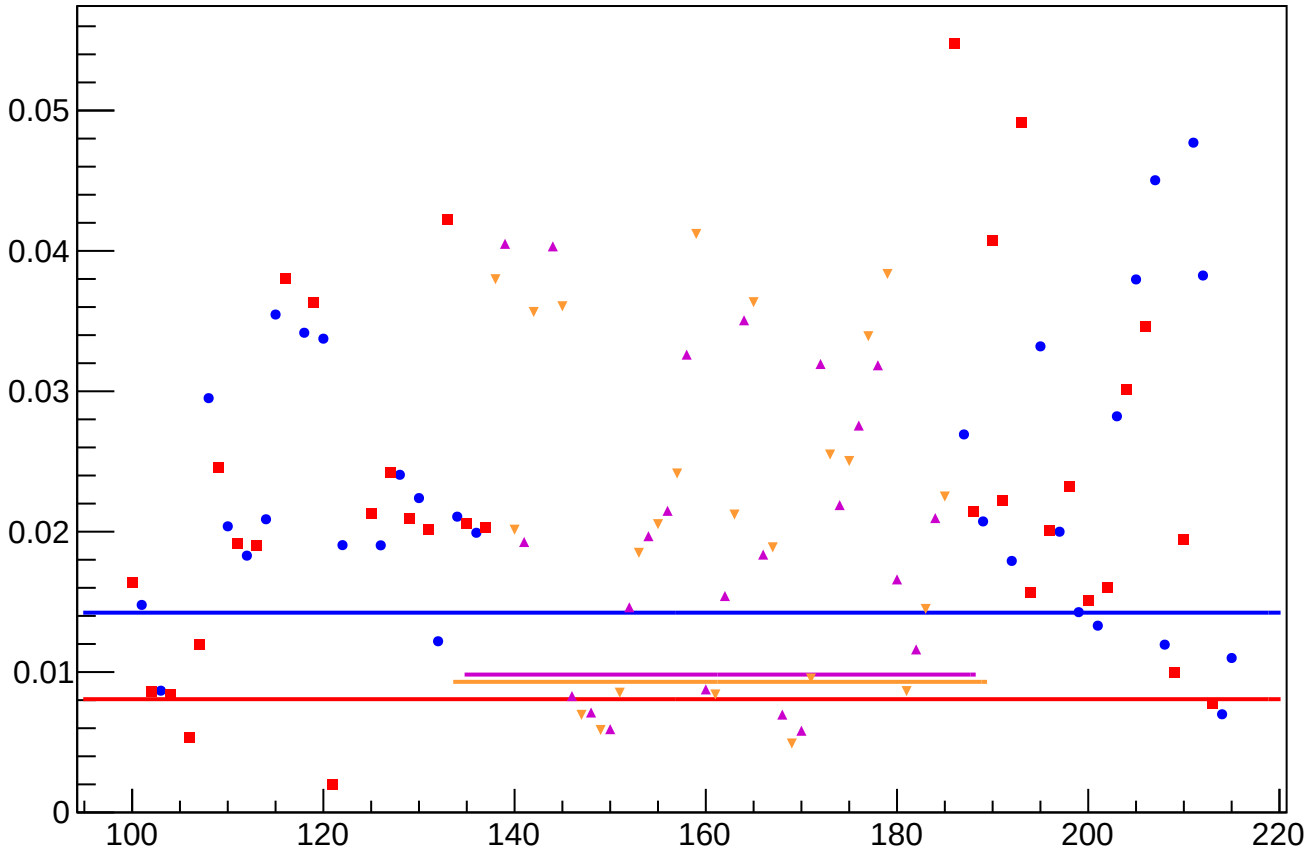
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: 0.000+/-0.000 χ^2/NDF: 100.6/63

In: -0.000+/-0.000 χ^2/NDF:70.3/53

Out: -0.000+/-0.000 χ^2/NDF:93.4/56

All: -0.000+/-0.000 χ^2/NDF: 163.8/110



Right In: 0.014+/-0.000 χ^2/NDF: 8198866.0/30

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16888451.6/32

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

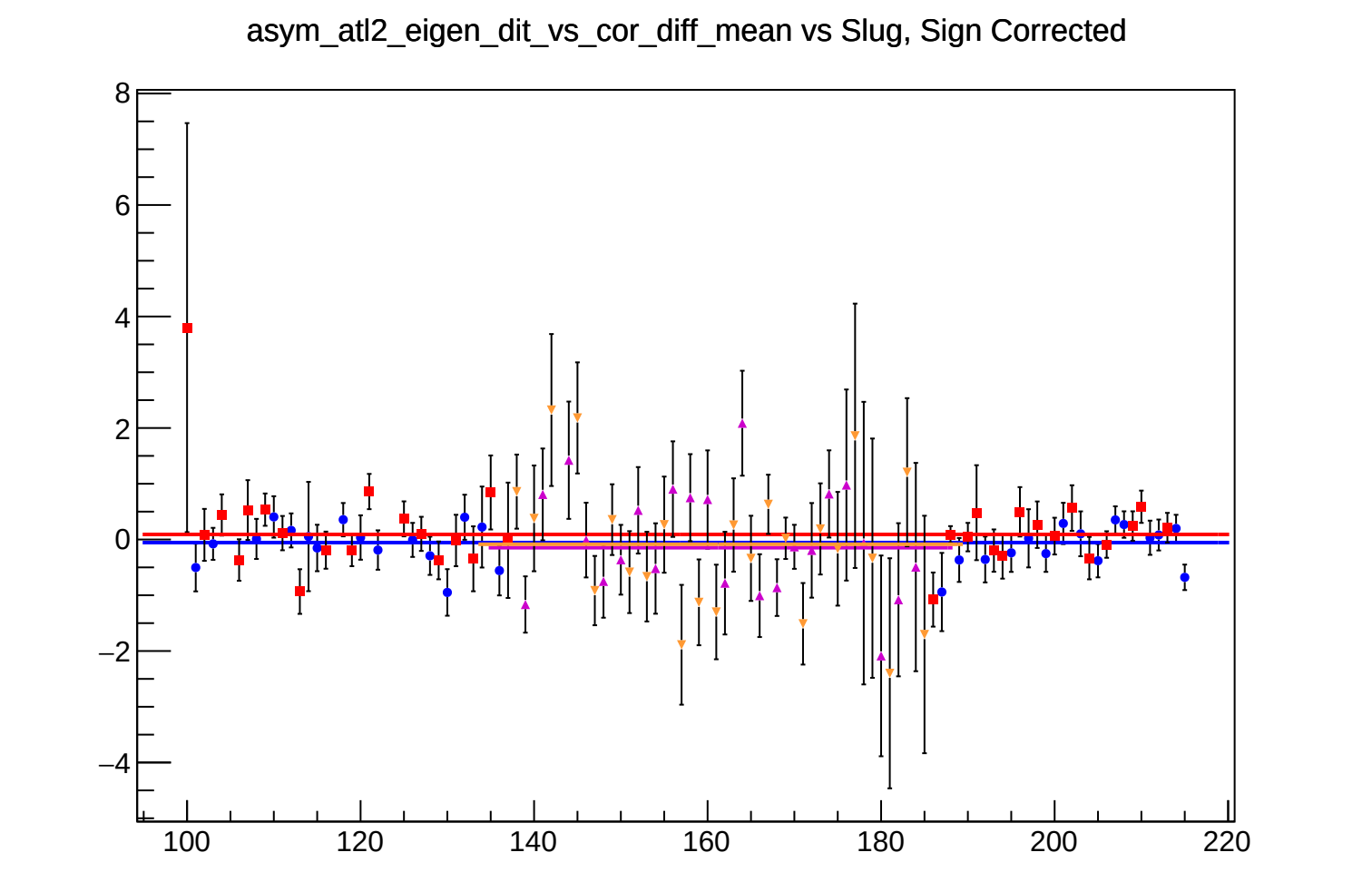
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 28544872.3/63

In: 0.011+/-0.000 χ^2/NDF:20196499.7/53

Out: 0.009+/-0.000 χ^2/NDF:29317634.9/56

All: 0.010+/-0.000 χ^2/NDF: 51185222.2/110



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.091+/-0.059 χ^2/NDF: 40.5/32

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

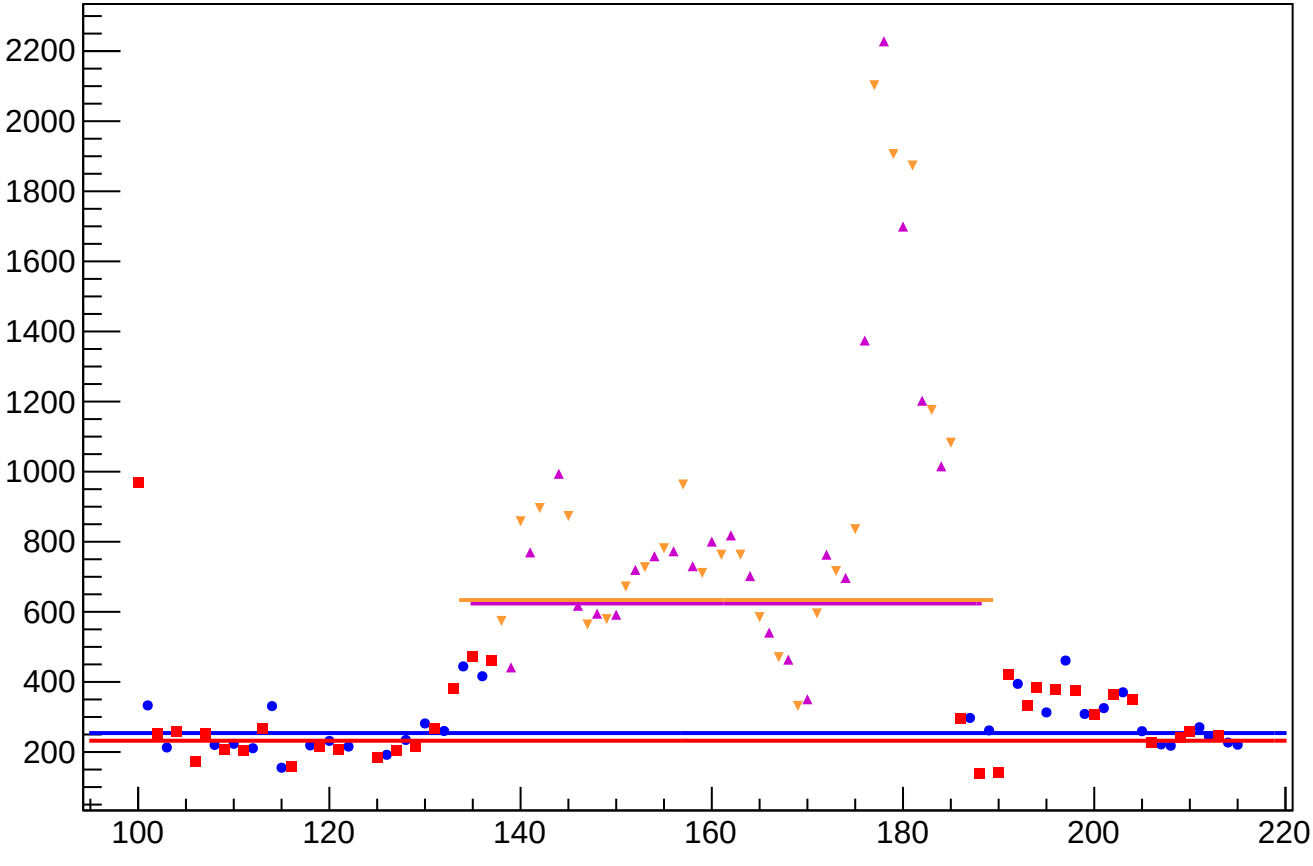
Right: 0.021+/-0.042 χ^2/NDF: 75.7/63

In: -0.067+/-0.057 χ^2/NDF:59.0/53

Out: 0.071+/-0.055 χ^2/NDF:71.8/56

All: 0.004+/-0.040 χ^2/NDF: 133.8/110

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 254.091+/-0.043 χ^2/NDF: 1932802.1/30

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 232.239+/-0.041 χ^2/NDF: 3438310.1/32

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

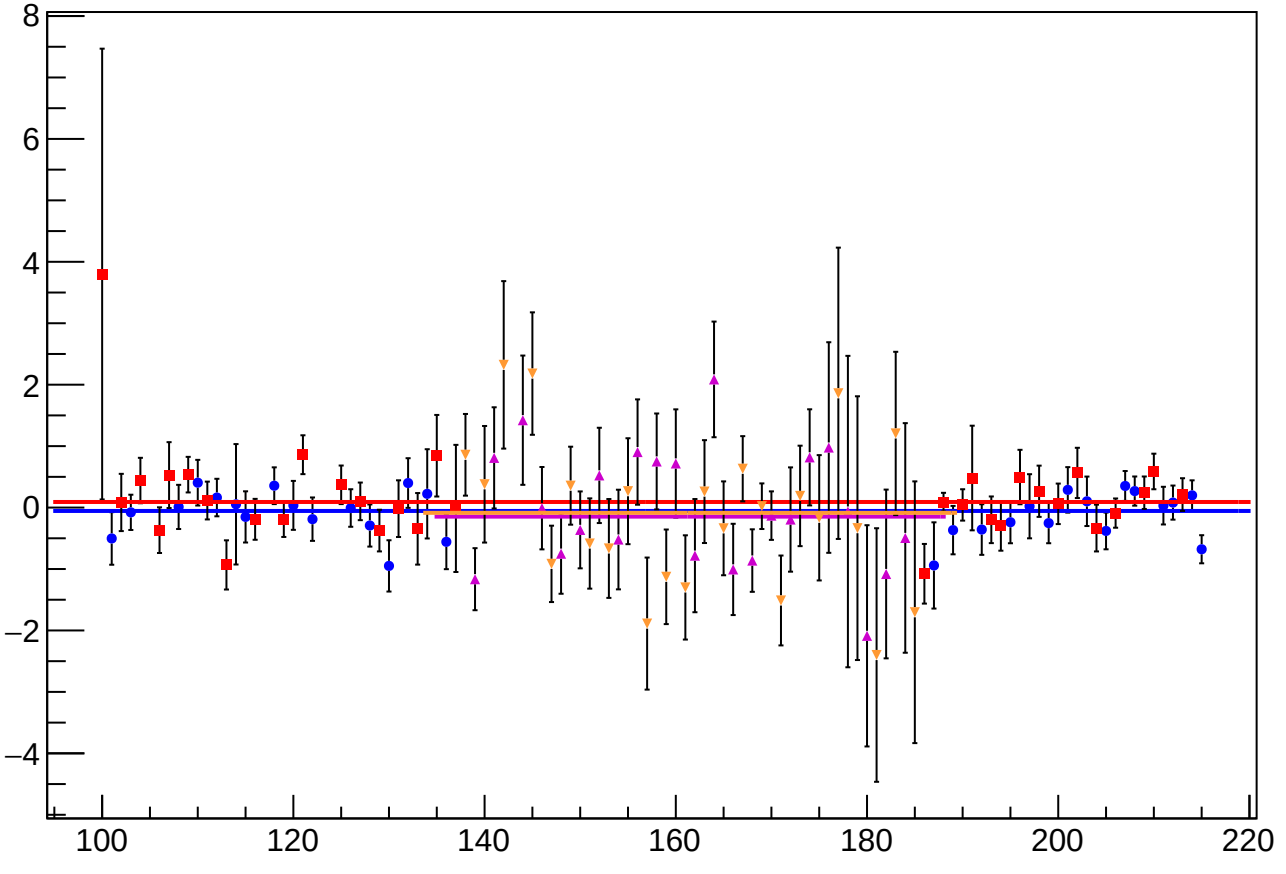
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 242.709+/-0.030 χ^2/NDF: 5504604.5/63

In: 302.011+/-0.040 χ^2/NDF:15986493.7/53

Out: 278.904+/-0.039 χ^2/NDF:19362460.7/56

All: 290.063+/-0.028 χ^2/NDF: 35519201.5/1



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.091+/-0.059 χ^2/NDF: 40.5/32

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

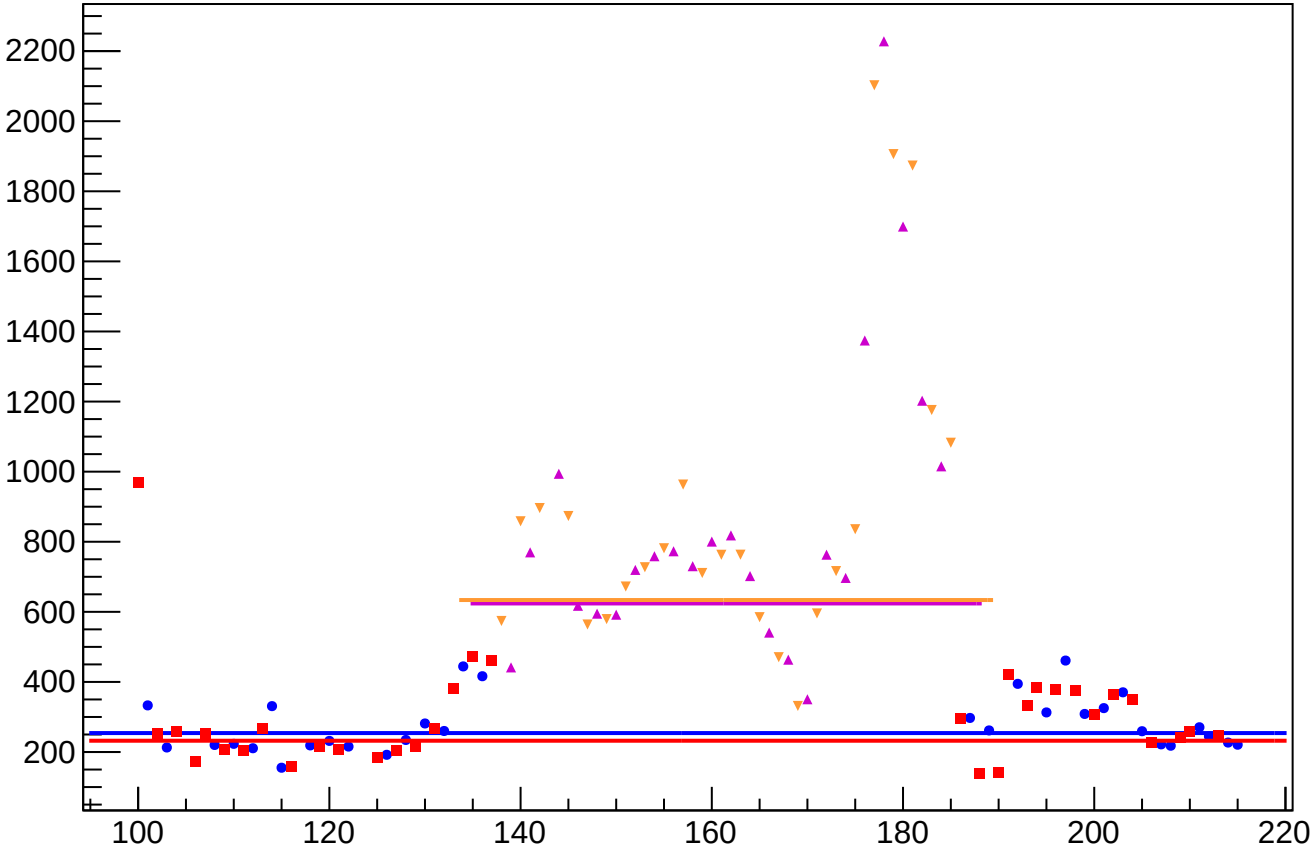
Right: 0.021+/-0.042 χ^2/NDF: 75.7/63

In: -0.067+/-0.057 χ^2/NDF:59.0/53

Out: 0.071+/-0.055 χ^2/NDF:71.8/56

All: 0.004+/-0.040 χ^2/NDF: 133.8/110

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 254.091+/-0.043 χ^2/NDF: 1932802.1/30

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 232.239+/-0.041 χ^2/NDF: 3438310.1/32

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

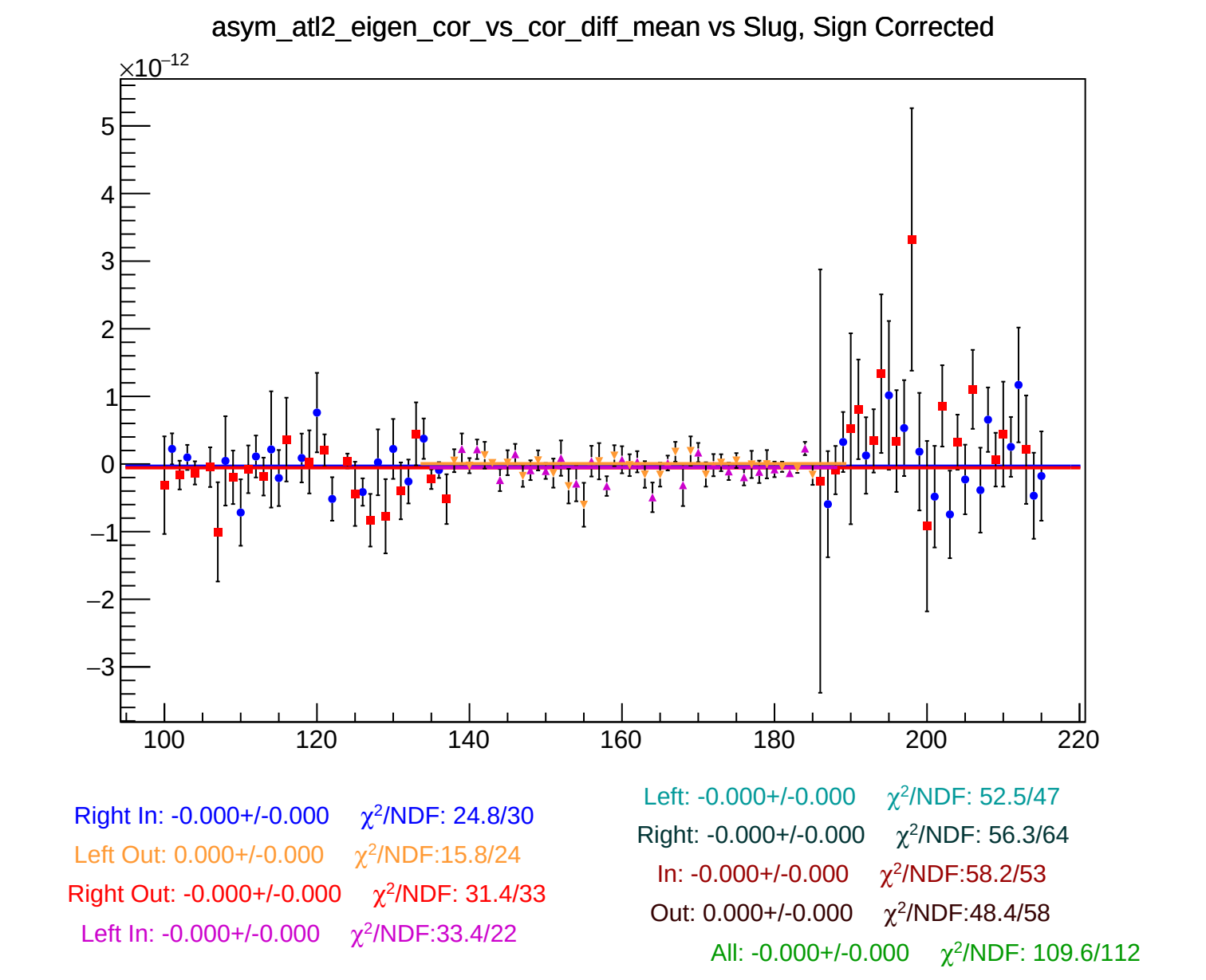
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

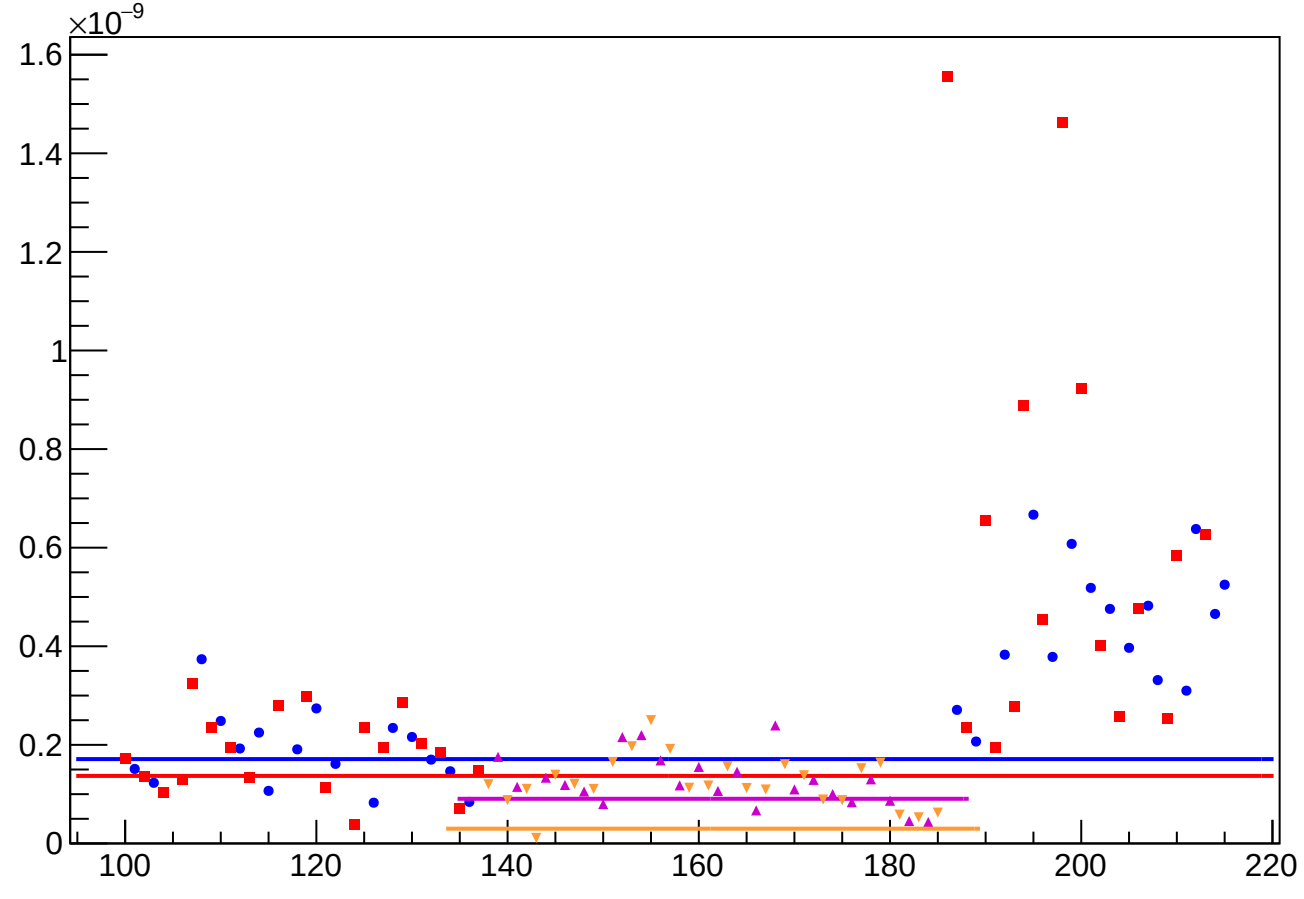
Right: 242.709+/-0.030 χ^2/NDF: 5504604.5/63

In: 302.011+/-0.040 χ^2/NDF:15986493.7/53

Out: 278.904+/-0.039 χ^2/NDF:19362460.7/56

All: 290.063+/-0.028 χ^2/NDF: 35519201.5/11


asym_atl2_eigen_cor_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: 24.8/30
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.4/33
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 56.3/64
In: -0.000+/-0.000 χ²/NDF:58.2/53
Out: 0.000+/-0.000 χ²/NDF:48.4/58
All: -0.000+/-0.000 χ²/NDF: 109.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 7256758.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9908878.0/33

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

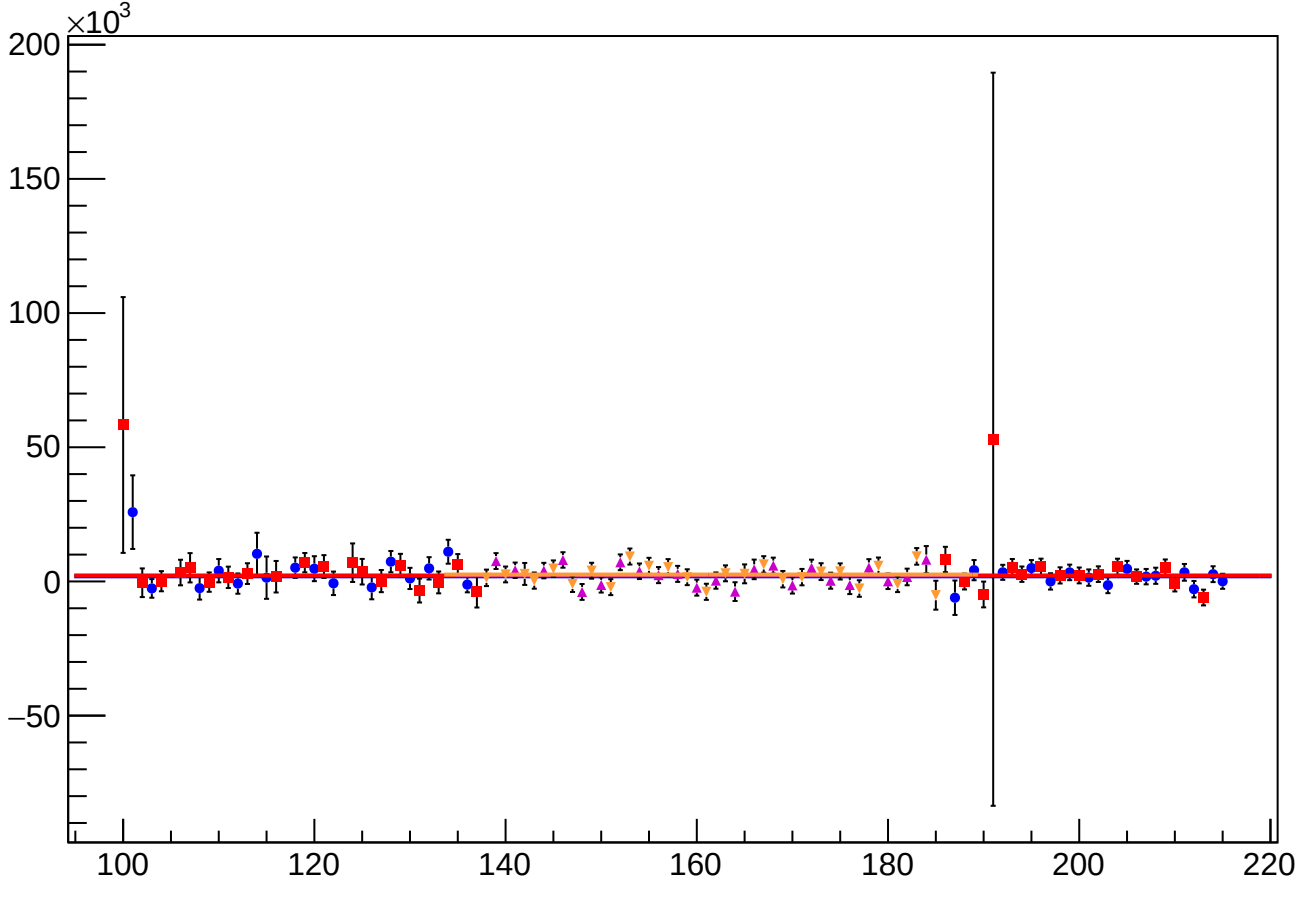
Right: 0.000+/-0.000 χ^2/NDF: 17501361.5/64

In: 0.000+/-0.000 χ^2/NDF:14772732.8/53

Out: 0.000+/-0.000 χ^2/NDF:34232429.8/58

All: 0.000+/-0.000 χ^2/NDF: 60255005.2/112

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1908.692+/-638.406 χ^2/NDF: 27.1/30

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2222.335+/-646.692 χ^2/NDF: 28.3/33

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

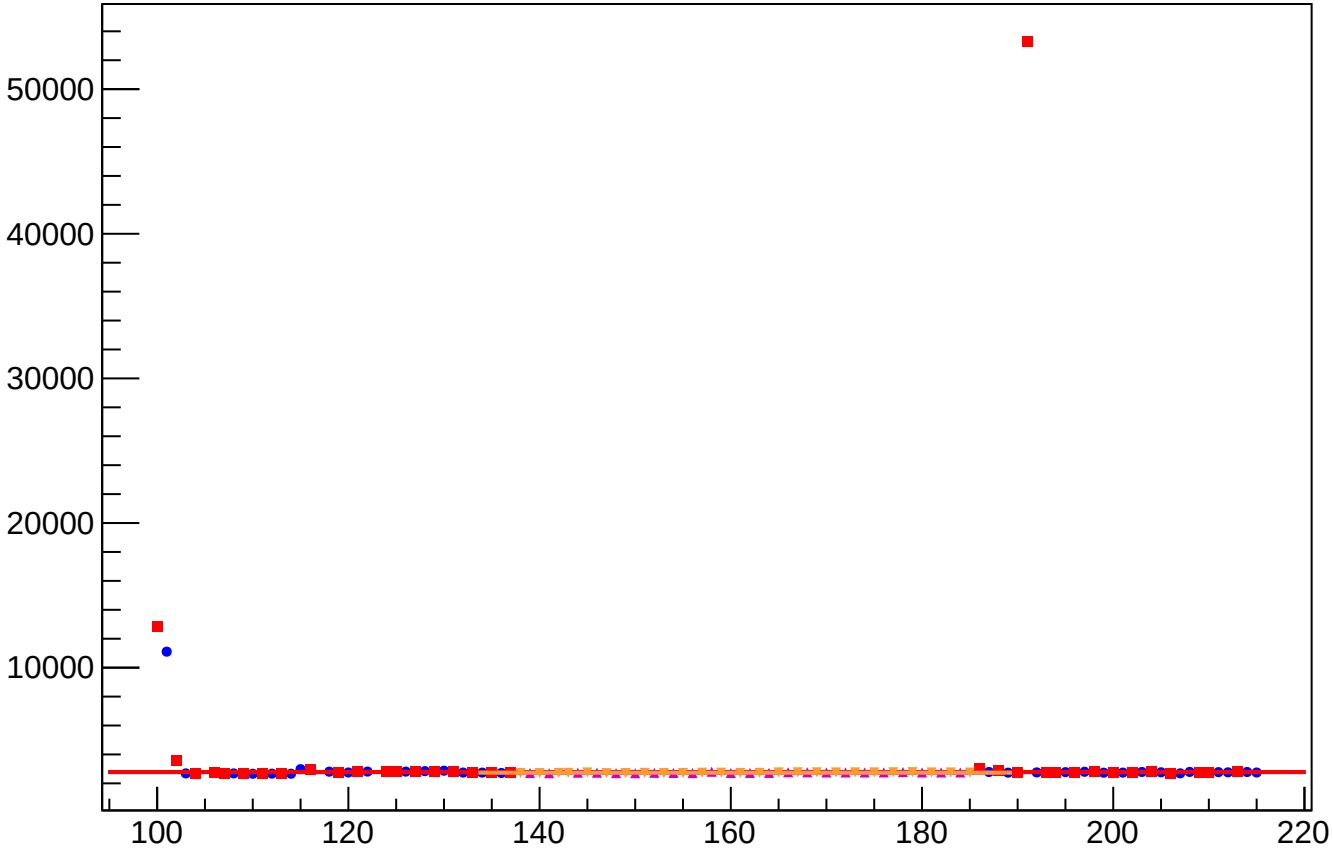
Right: 2063.491+/-454.322 χ^2/NDF: 55.4/64

In: 2157.990+/-451.887 χ^2/NDF:58.7/53

Out: 2396.134+/-448.231 χ^2/NDF:60.0/58

All: 2278.029+/-318.232 χ^2/NDF: 118.9/112

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2777.540+/-0.451 χ^2/NDF: 750728.6/30

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2786.178+/-0.457 χ^2/NDF: 481508.2/33

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

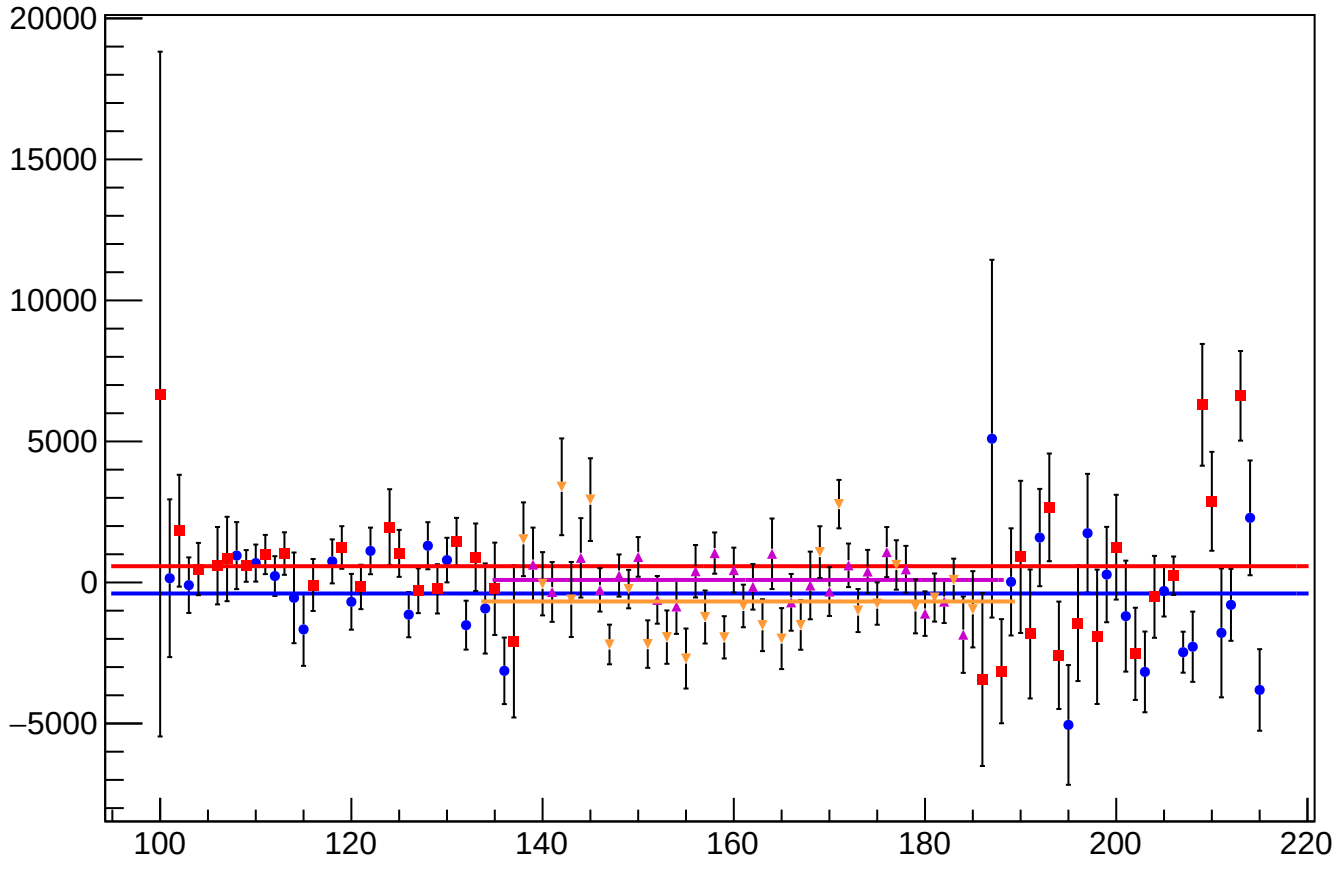
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2781.803+/-0.321 χ^2/NDF: 1232417.5/64

In: 2758.740+/-0.320 χ^2/NDF:757566.3/53

Out: 2760.895+/-0.317 χ^2/NDF:489709.1/58

All: 2759.826+/-0.225 χ^2/NDF: 1247298.3/11



Right In: -391.012+/-196.807 χ^2/NDF: 56.2/30

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 576.695+/-191.147 χ^2/NDF: 50.0/33

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

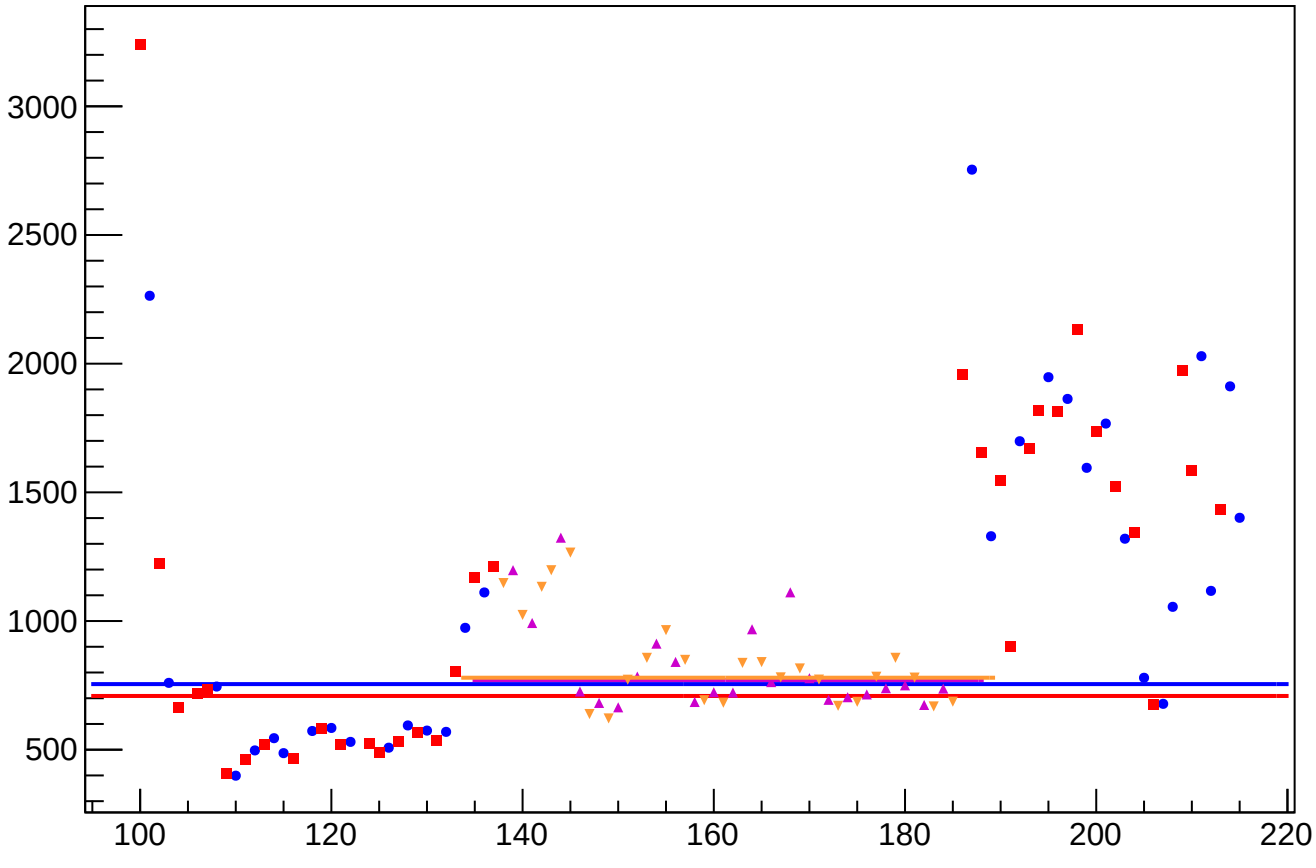
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 106.955+/-137.119 χ^2/NDF: 118.7/64

In: -133.942+/-134.209 χ^2/NDF:74.2/53

Out: -81.775+/-131.515 χ^2/NDF:130.9/58

All: -107.330+/-93.933 χ^2/NDF: 205.2/112



Right In: 754.912+/-0.139 χ^2/NDF: 8023863.8/30

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 708.797+/-0.135 χ^2/NDF: 8780372.2/33

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

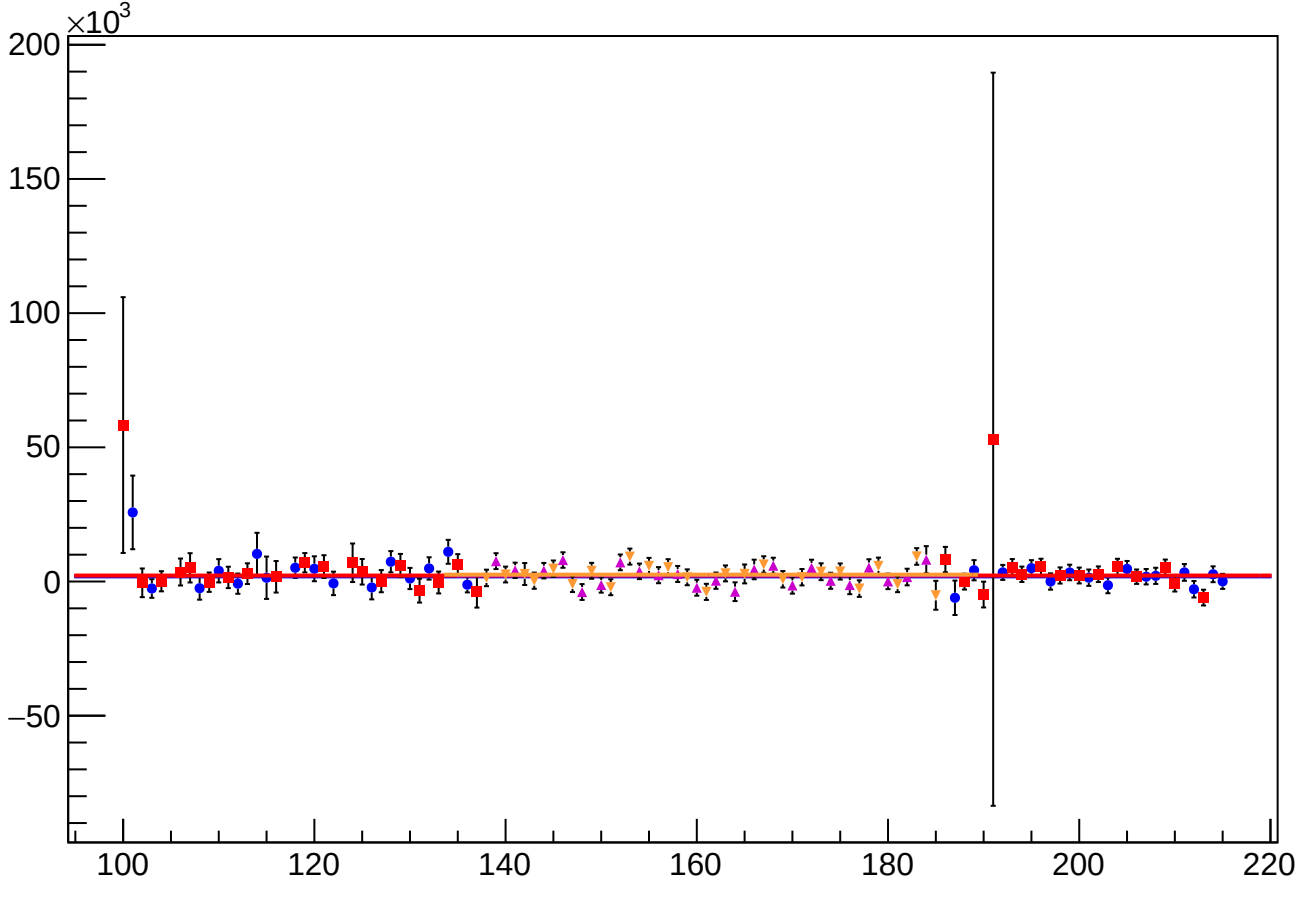
Right: 731.181+/-0.097 χ^2/NDF: 16860741.6/64

In: 763.409+/-0.095 χ^2/NDF:9107187.5/53

Out: 746.143+/-0.093 χ^2/NDF:10169093.9/58

All: 754.601+/-0.066 χ^2/NDF: 19293167.0/1

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1908.381+/-638.406 χ^2/NDF: 27.1/30

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2224.295+/-647.271 χ^2/NDF: 28.3/33

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

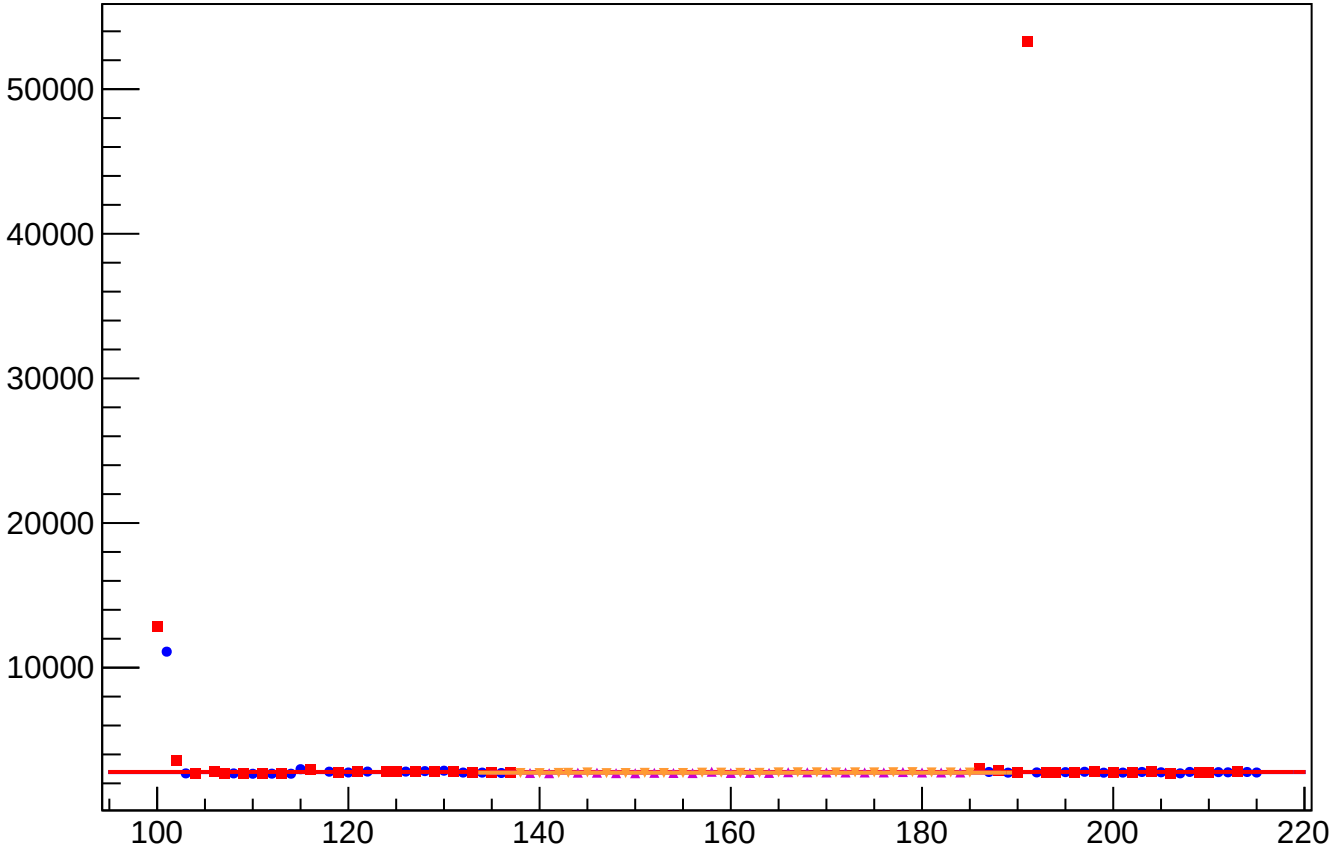
Right: 2064.159+/-454.523 χ^2/NDF: 55.4/64

In: 2157.904+/-451.887 χ^2/NDF:58.7/53

Out: 2397.204+/-448.424 χ^2/NDF:60.0/58

All: 2278.475+/-318.301 χ^2/NDF: 118.9/112

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2777.540+/-0.451 χ^2/NDF: 750727.7/30

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2788.249+/-0.458 χ^2/NDF: 481338.9/33

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

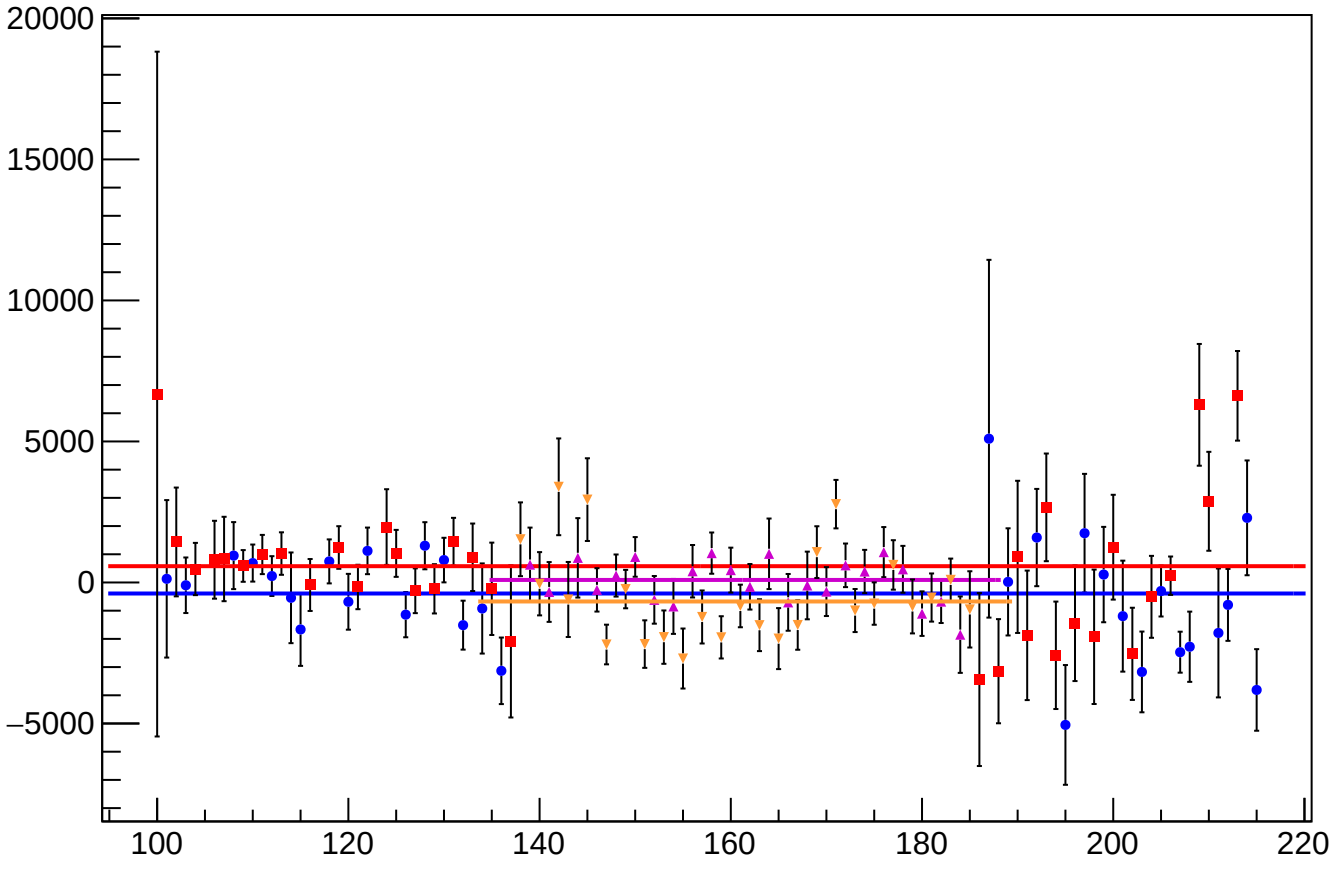
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.820+/-0.321 χ^2/NDF: 1232344.1/64

In: 2758.740+/-0.320 χ^2/NDF:757565.4/53

Out: 2761.867+/-0.317 χ^2/NDF:490045.3/58

All: 2760.316+/-0.225 χ^2/NDF: 1247658.9/11



Right In: -390.994+/-196.800 χ^2/NDF: 56.2/30

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 577.413+/-191.121 χ^2/NDF: 49.9/33

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

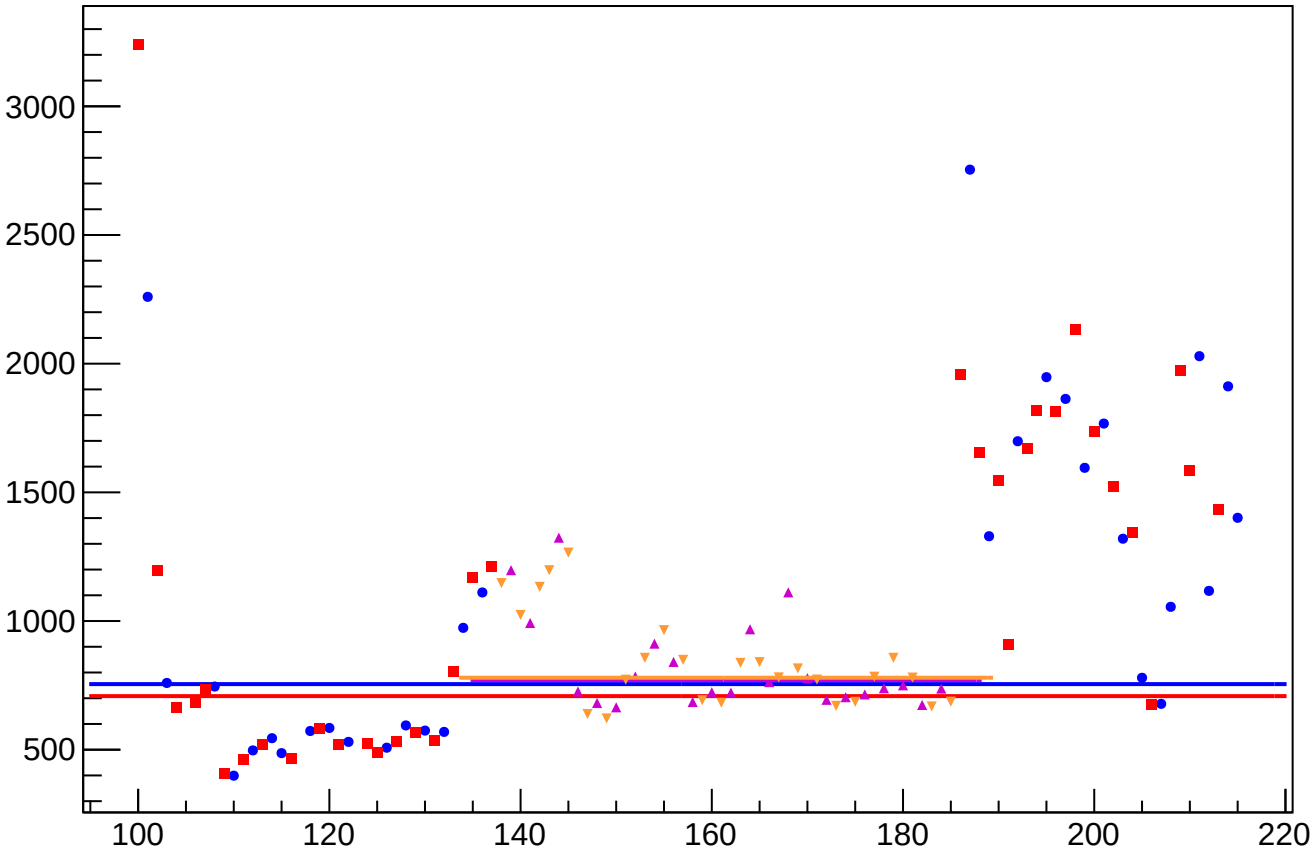
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 107.384+/-137.107 χ^2/NDF: 118.5/64

In: -133.877+/-134.207 χ^2/NDF:74.2/53

Out: -81.304+/-131.507 χ^2/NDF:130.8/58

All: -107.056+/-93.929 χ^2/NDF: 205.1/112



Right In: 754.898+/-0.139 χ^2/NDF: 8023042.1/30

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 708.199+/-0.135 χ^2/NDF: 8776440.9/33

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

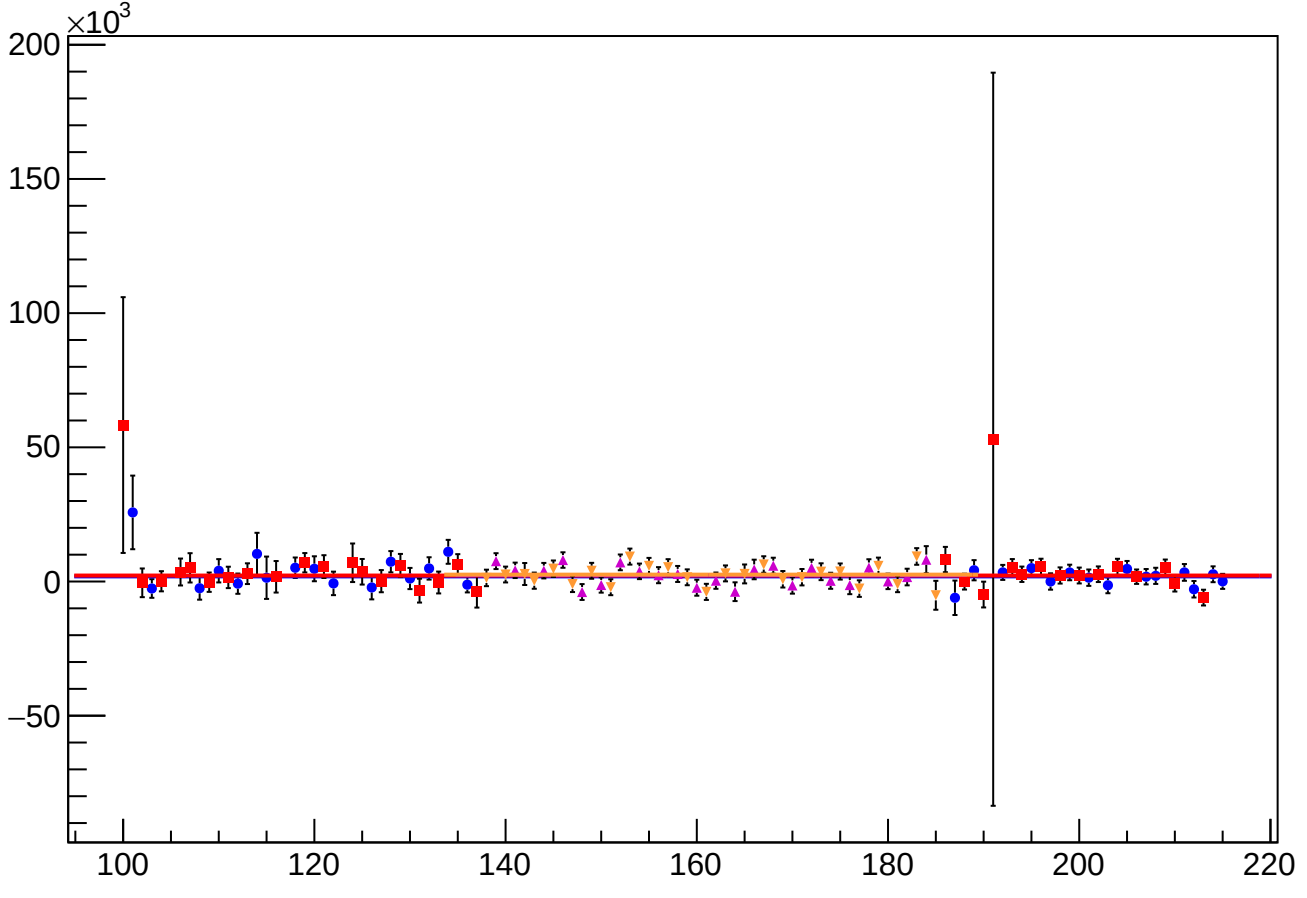
Right: 730.865+/-0.097 χ^2/NDF: 16857439.9/64

In: 763.404+/-0.095 χ^2/NDF:9106317.3/53

Out: 745.854+/-0.093 χ^2/NDF:10167656.3/58

All: 754.451+/-0.066 χ^2/NDF: 19291421.6/1

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1908.381+/-638.406 χ^2/NDF: 27.1/30

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2224.295+/-647.271 χ^2/NDF: 28.3/33

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

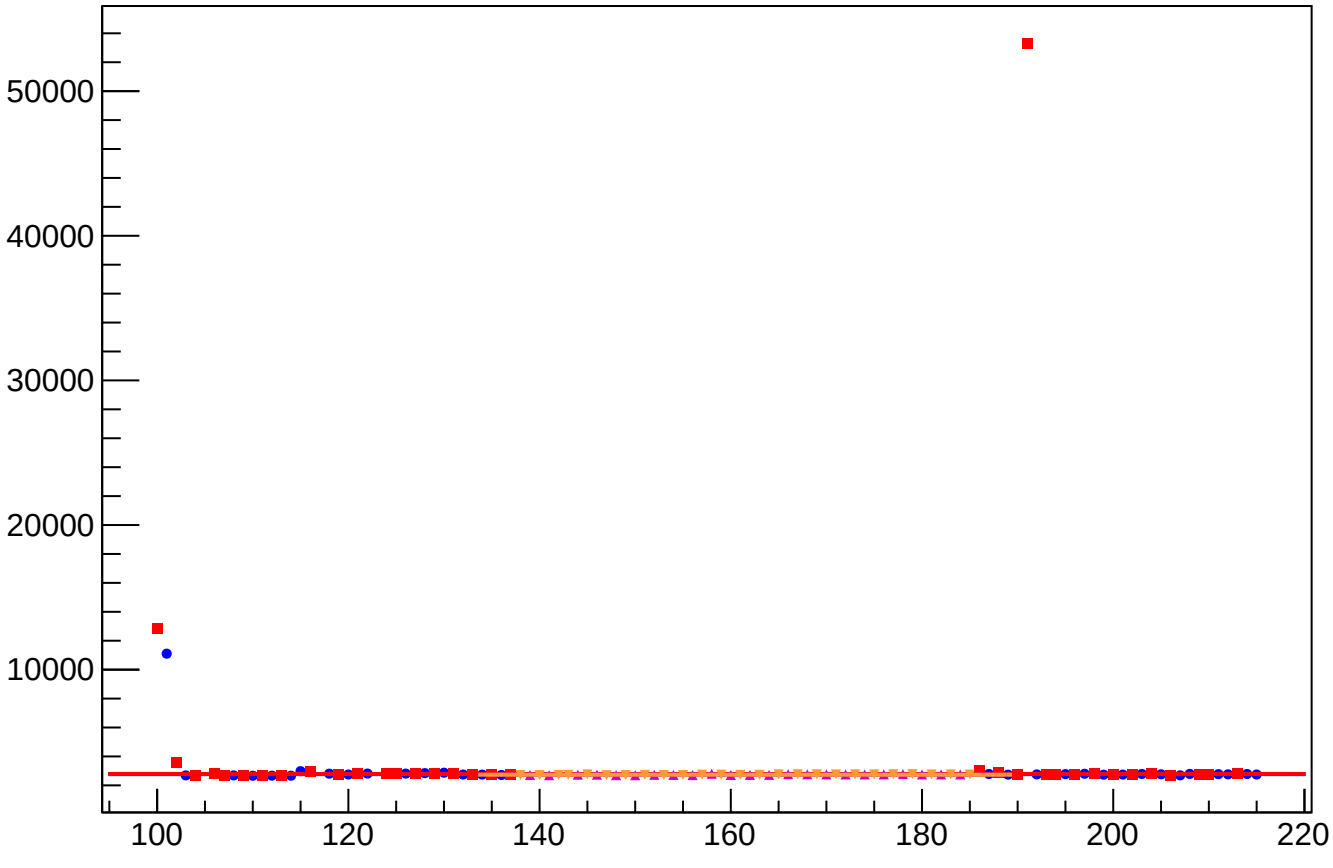
Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

Right: 2064.159+/-454.523 χ^2/NDF: 55.4/64

In: 2157.904+/-451.887 χ^2/NDF:58.7/53

Out: 2397.204+/-448.424 χ^2/NDF:60.0/58

All: 2278.475+/-318.301 χ^2/NDF: 118.9/112



Right In: 2777.540+/-0.451 χ^2/NDF: 750727.7/30

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2788.249+/-0.458 χ^2/NDF: 481338.9/33

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

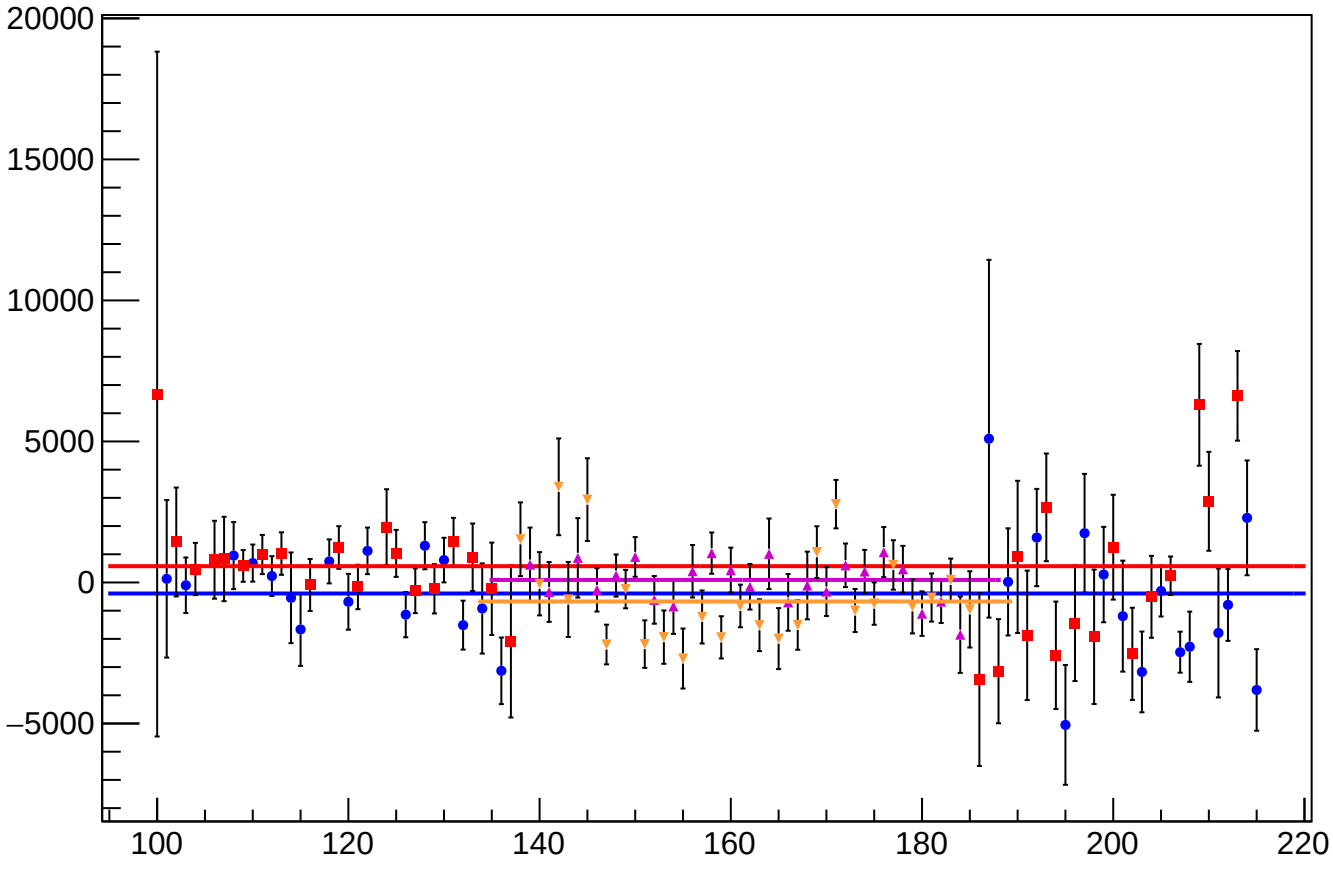
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2782.820+/-0.321 χ^2/NDF: 1232344.1/64

In: 2758.740+/-0.320 χ^2/NDF:757565.4/53

Out: 2761.867+/-0.317 χ^2/NDF:490045.3/58

All: 2760.316+/-0.225 χ^2/NDF: 1247658.9/11



Right In: -390.994+/-196.800 χ^2/NDF: 56.2/30

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 577.413+/-191.121 χ^2/NDF: 49.9/33

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

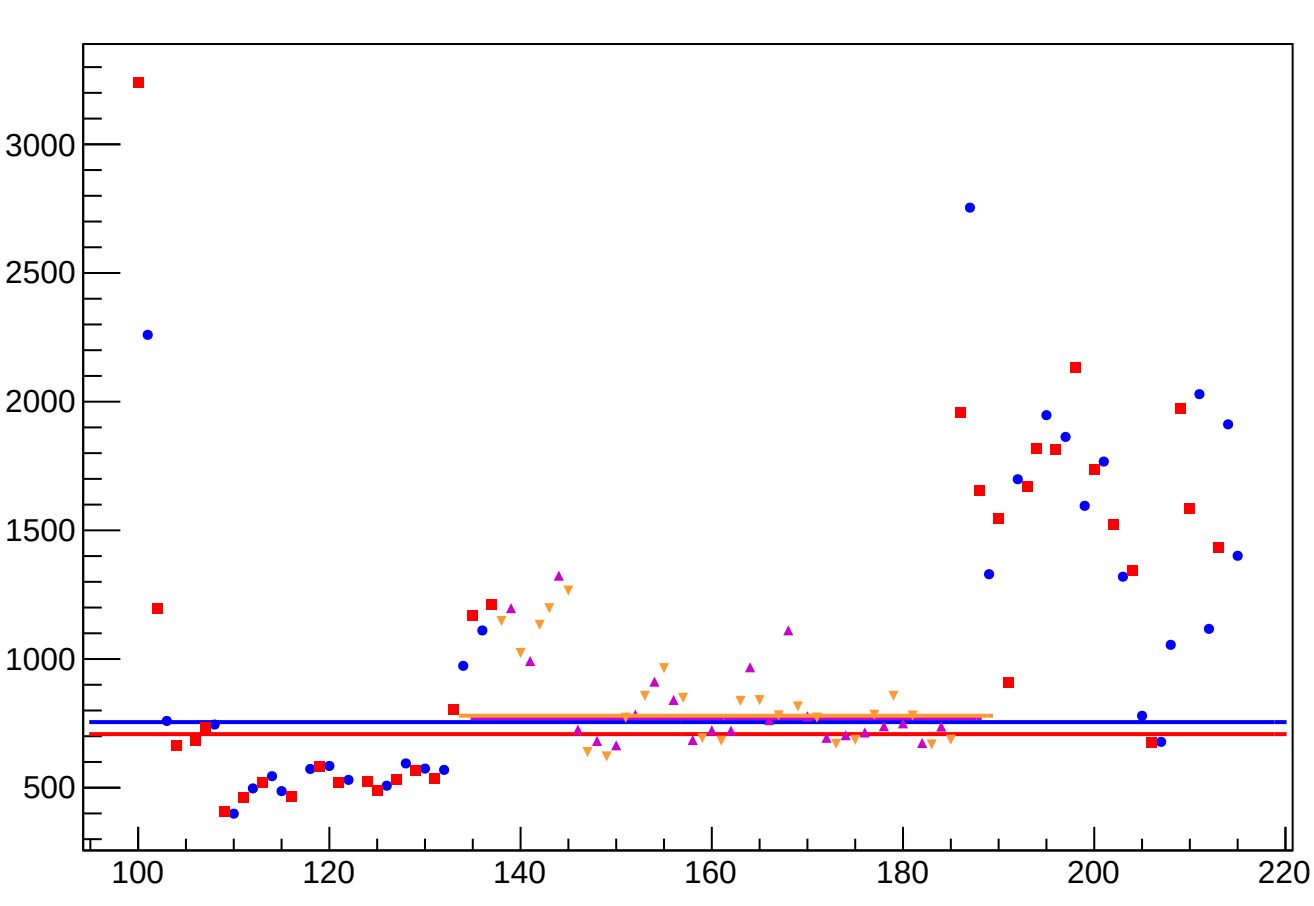
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 107.384+/-137.107 χ^2/NDF: 118.5/64

In: -133.877+/-134.207 χ^2/NDF:74.2/53

Out: -81.304+/-131.507 χ^2/NDF:130.8/58

All: -107.056+/-93.929 χ^2/NDF: 205.1/112



Right In: 754.898+/-0.139 χ^2/NDF: 8023042.1/30

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 708.199+/-0.135 χ^2/NDF: 8776440.9/33

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

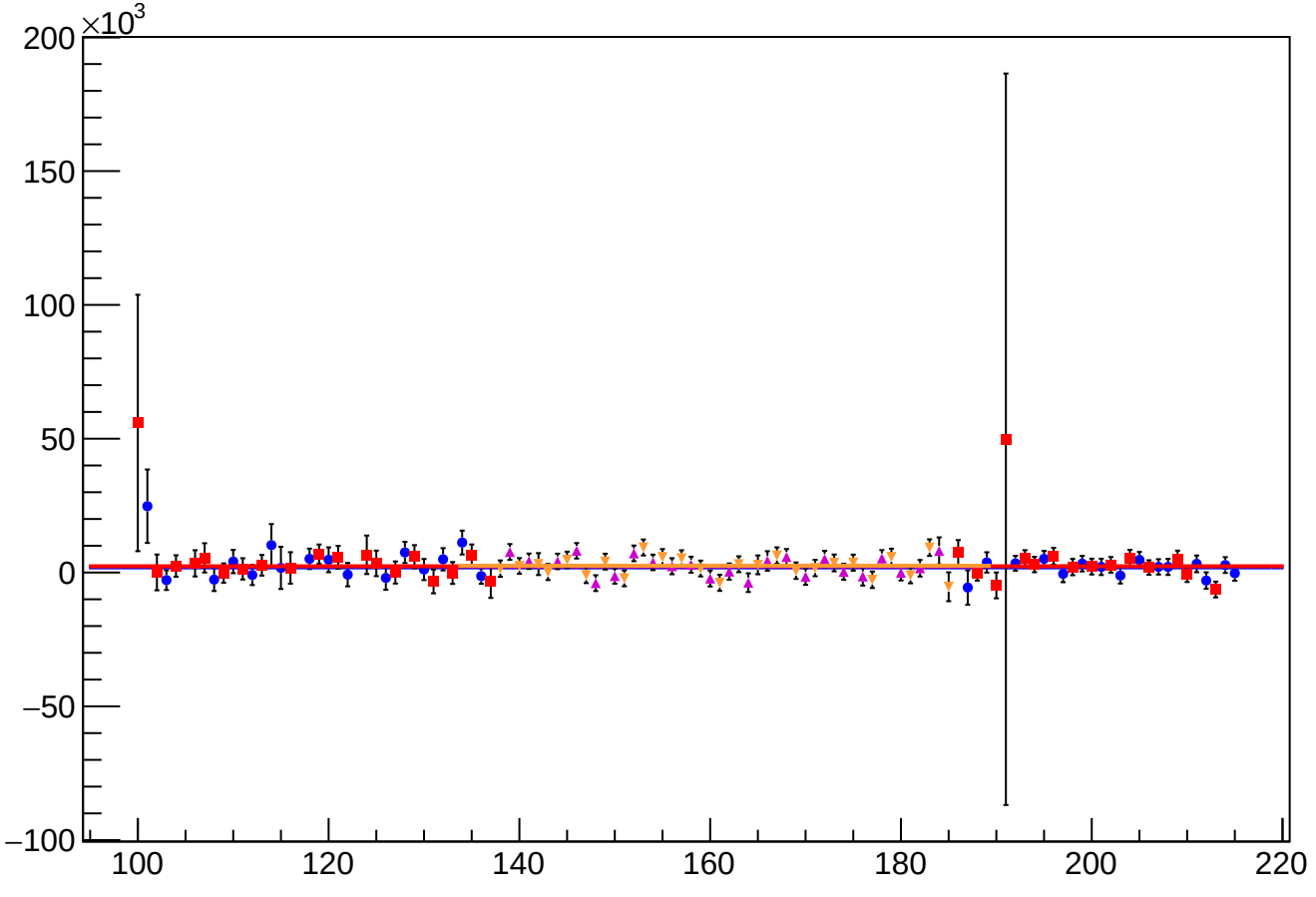
Right: 730.865+/-0.097 χ^2/NDF: 16857439.9/64

In: 763.404+/-0.095 χ^2/NDF:9106317.3/53

Out: 745.854+/-0.093 χ^2/NDF:10167656.3/58

All: 754.451+/-0.066 χ^2/NDF: 19291421.6/1

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1928.837+/-641.615 χ^2/NDF: 27.1/30

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2338.773+/-652.232 χ^2/NDF: 28.1/33

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

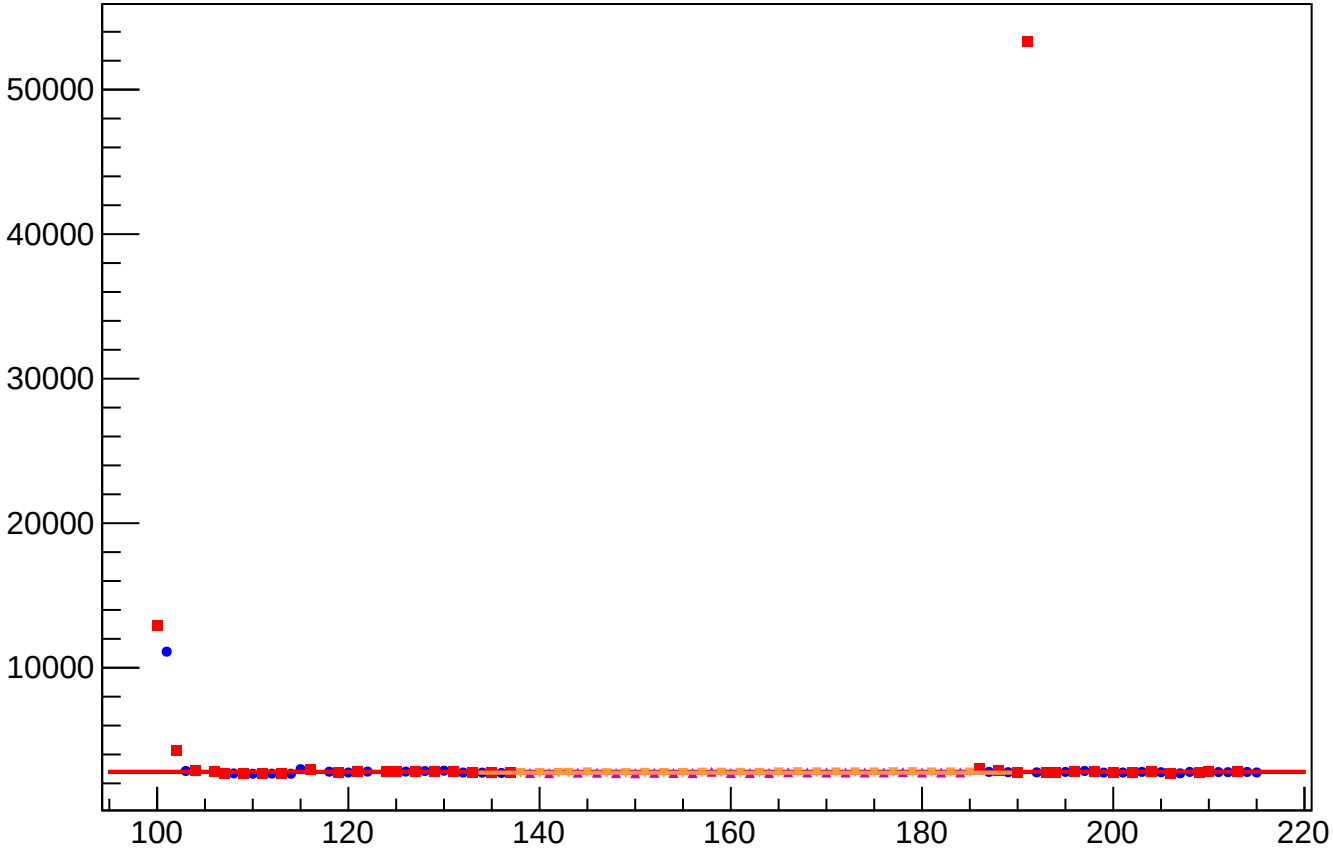
Right: 2130.442+/-457.397 χ^2/NDF: 55.4/64

In: 2168.418+/-453.148 χ^2/NDF:59.2/53

Out: 2446.761+/-450.218 χ^2/NDF:60.0/58

All: 2308.492+/-319.383 χ^2/NDF: 119.4/112

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2791.351+/-0.454 χ^2/NDF: 750535.5/30

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2804.282+/-0.461 χ^2/NDF: 534946.5/33

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

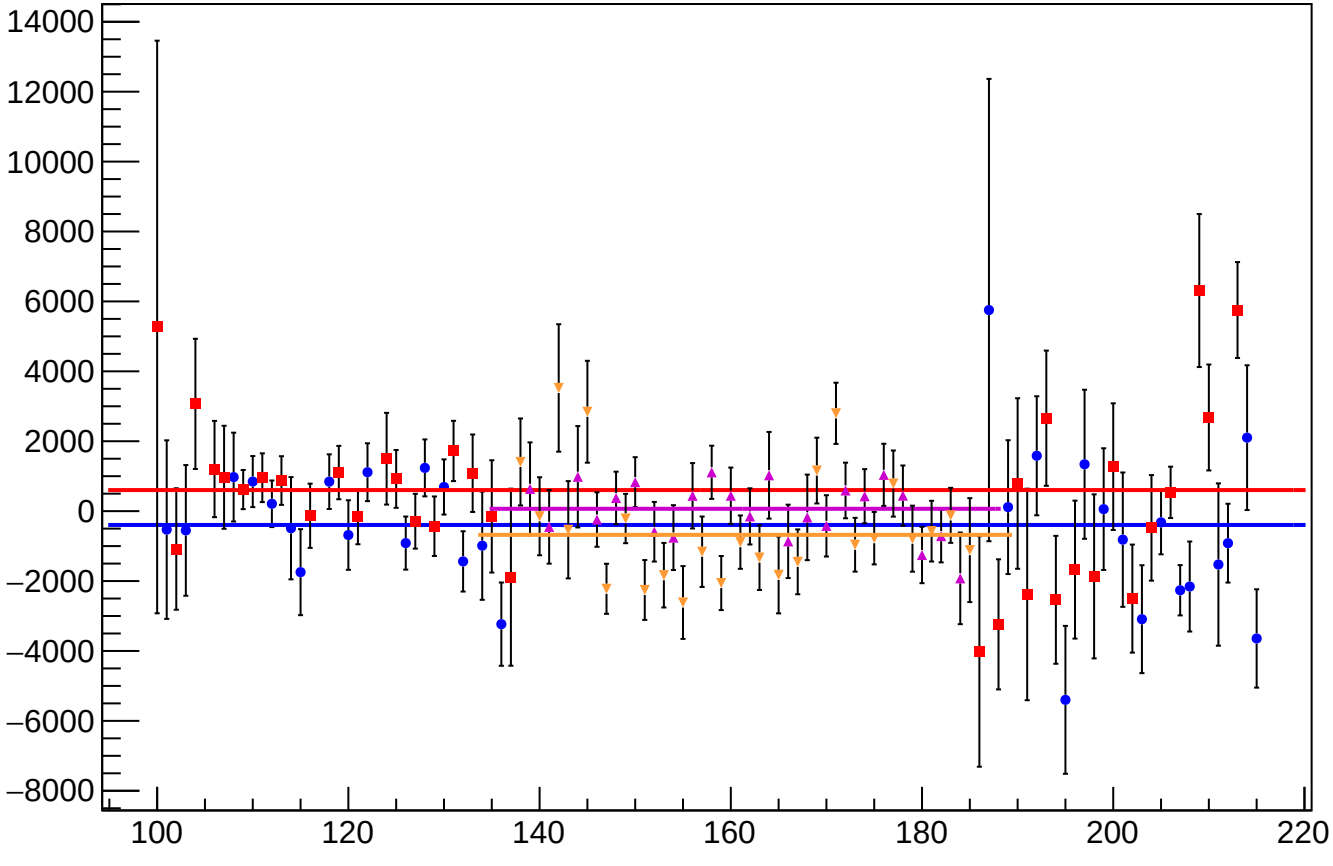
Right: 2797.711+/-0.323 χ^2/NDF: 1285881.5/64

In: 2766.311+/-0.320 χ^2/NDF:759982.8/53

Out: 2770.265+/-0.318 χ^2/NDF:547660.9/58

All: 2768.301+/-0.226 χ^2/NDF: 1307720.3/11

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: -395.153+/-198.869 χ^2/NDF: 53.2/30

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 602.730+/-192.198 χ^2/NDF: 53.4/33

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

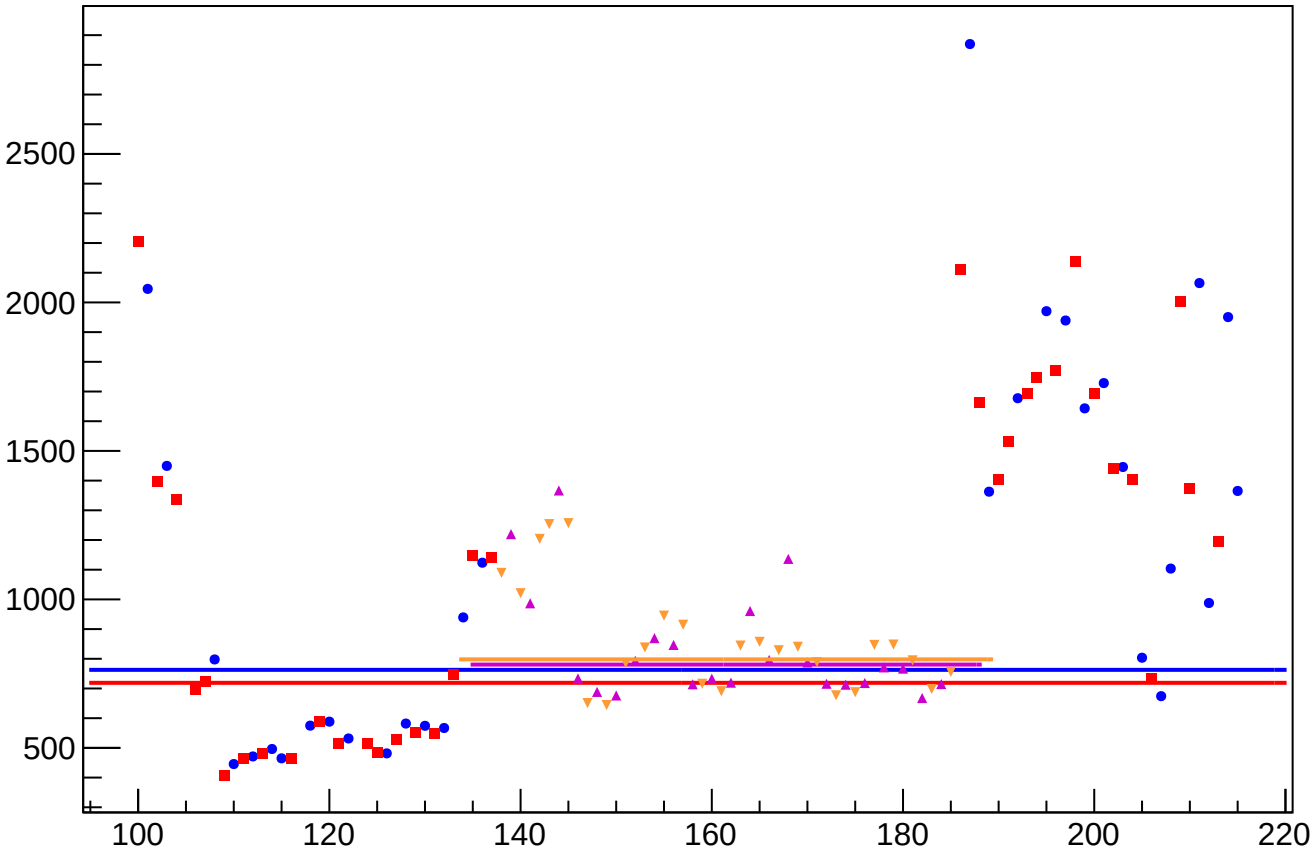
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 120.806+/-138.203 χ^2/NDF: 119.6/64

In: -147.858+/-135.623 χ^2/NDF:72.0/53

Out: -62.168+/-133.288 χ^2/NDF:132.6/58

All: -104.269+/-95.064 χ^2/NDF: 204.8/112



Right In: 762.779+/-0.141 χ^2/NDF: 8406604.1/30

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 719.065+/-0.136 χ^2/NDF: 9078888.0/33

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

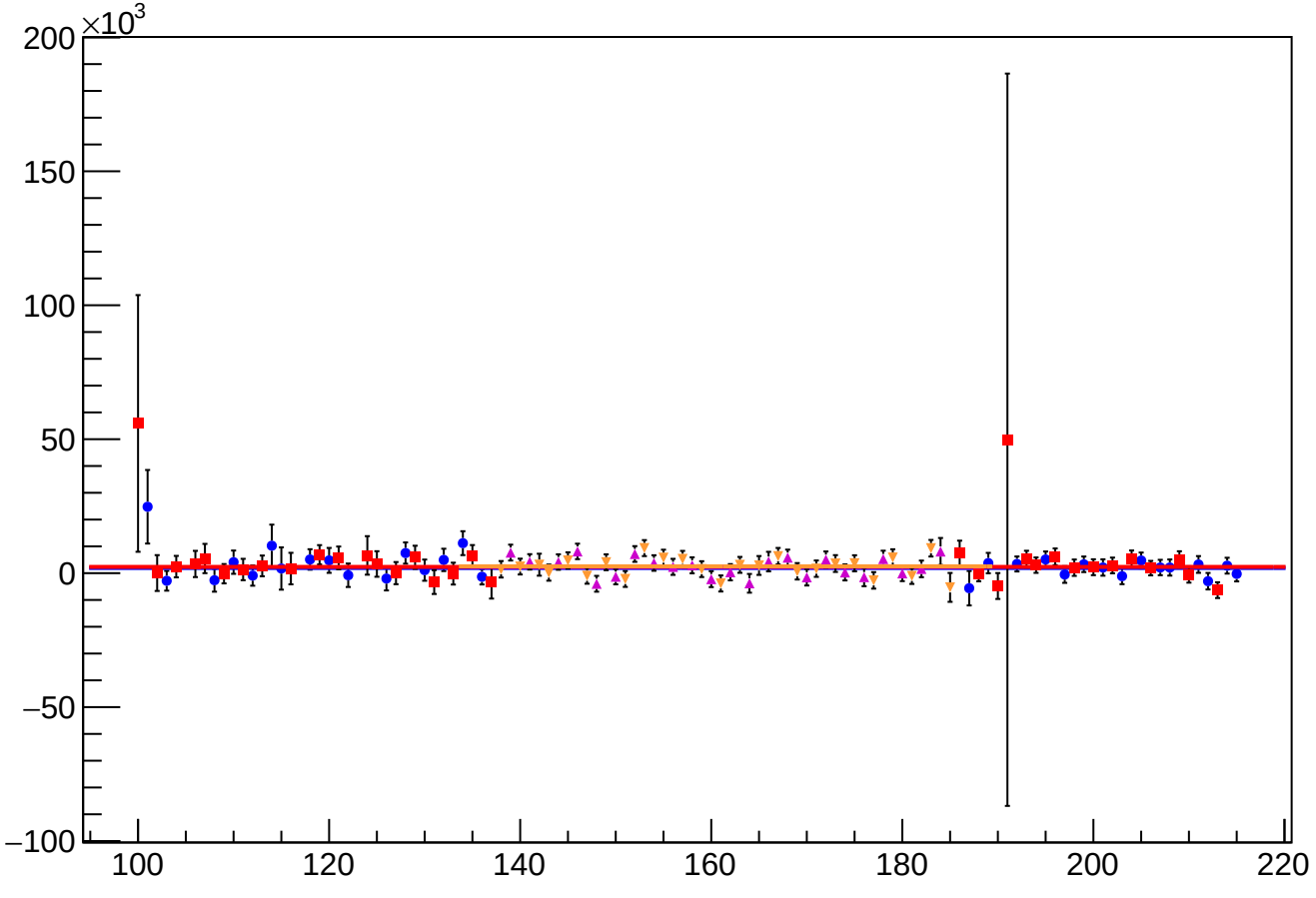
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 740.177+/-0.098 χ^2/NDF: 17535458.0/64

In: 772.272+/-0.096 χ^2/NDF:9479950.3/53

Out: 760.085+/-0.094 χ^2/NDF:10422747.1/58

All: 766.073+/-0.067 χ^2/NDF: 19910912.4/1



Right In: 1928.838+/-641.615 χ^2/NDF: 27.1/30

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2338.771+/-652.232 χ^2/NDF: 28.1/33

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

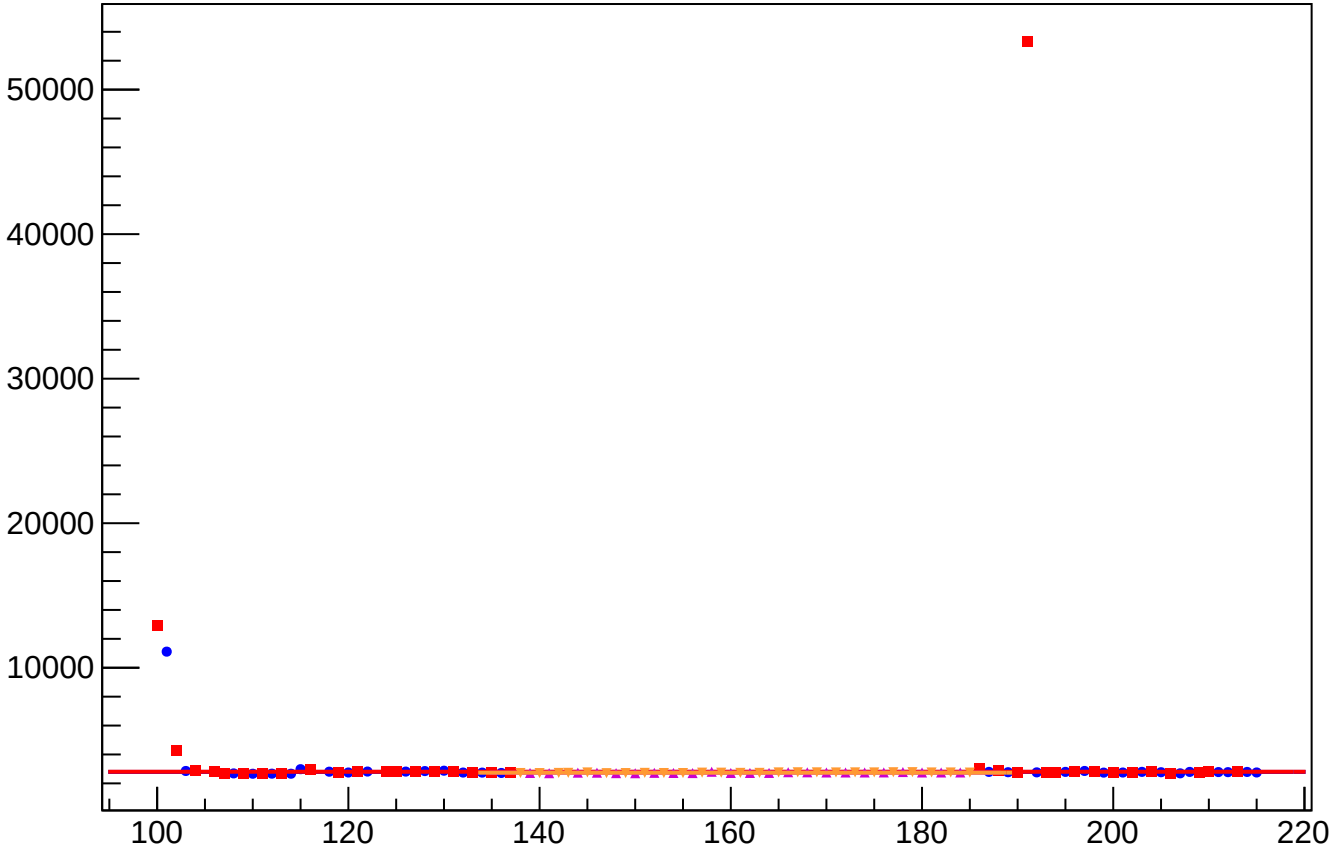
Right: 2130.441+/-457.397 χ^2/NDF: 55.4/64

In: 2168.418+/-453.148 χ^2/NDF:59.2/53

Out: 2446.760+/-450.218 χ^2/NDF:60.0/58

All: 2308.492+/-319.383 χ^2/NDF: 119.4/112

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2791.351+/-0.454 χ^2/NDF: 750535.5/30

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2804.282+/-0.461 χ^2/NDF: 534946.3/33

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

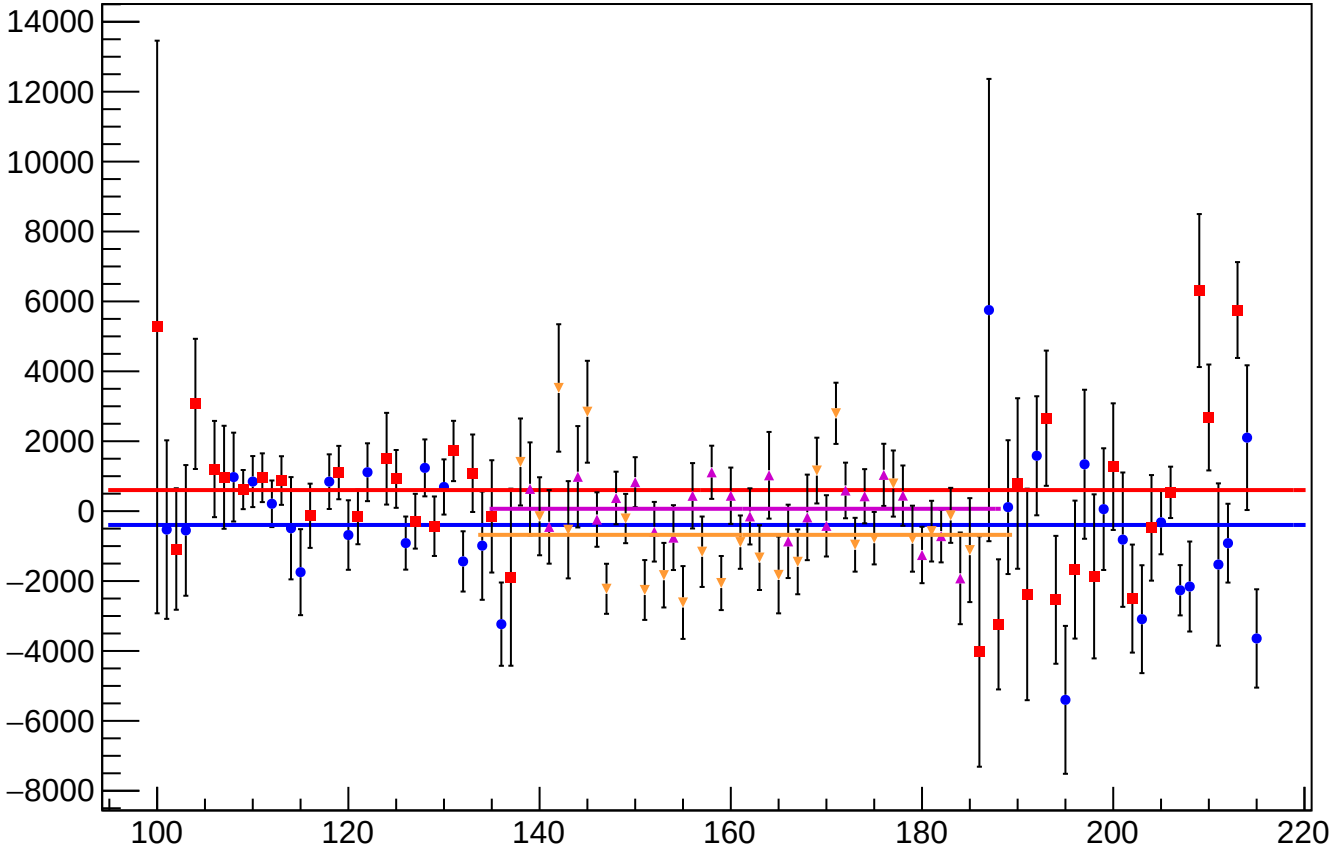
Right: 2797.711+/-0.323 χ^2/NDF: 1285881.3/64

In: 2766.311+/-0.320 χ^2/NDF:759982.7/53

Out: 2770.265+/-0.318 χ^2/NDF:547660.7/58

All: 2768.301+/-0.226 χ^2/NDF: 1307720.0/11

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -395.153+/-198.869 χ^2/NDF: 53.2/30

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 602.729+/-192.198 χ^2/NDF: 53.4/33

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

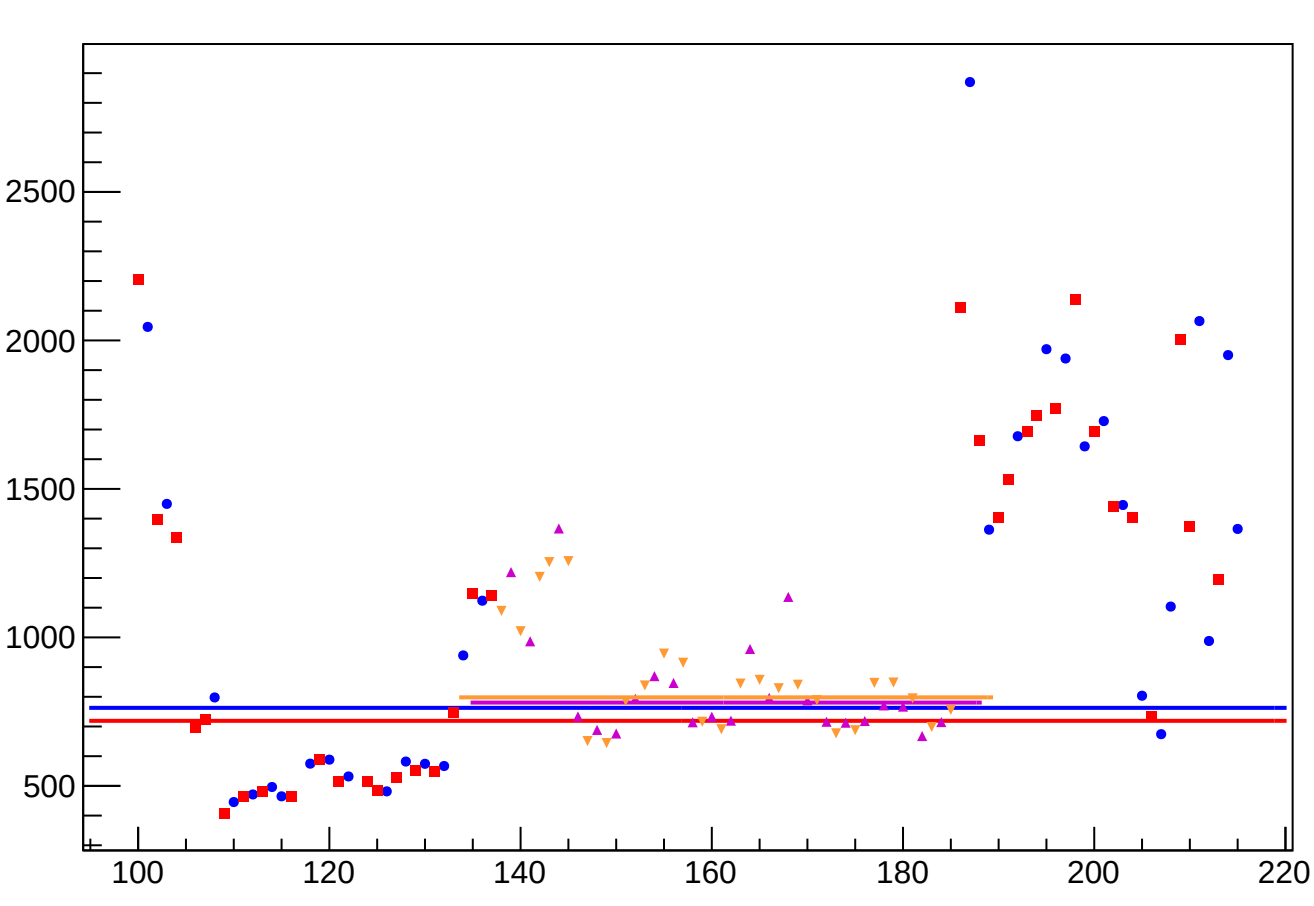
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 120.807+/-138.203 χ^2/NDF: 119.6/64

In: -147.858+/-135.623 χ^2/NDF:72.0/53

Out: -62.169+/-133.288 χ^2/NDF:132.6/58

All: -104.269+/-95.064 χ^2/NDF: 204.8/112



Right In: 762.780+/-0.141 χ^2/NDF: 8406602.9/30

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 719.066+/-0.136 χ^2/NDF: 9078895.3/33

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

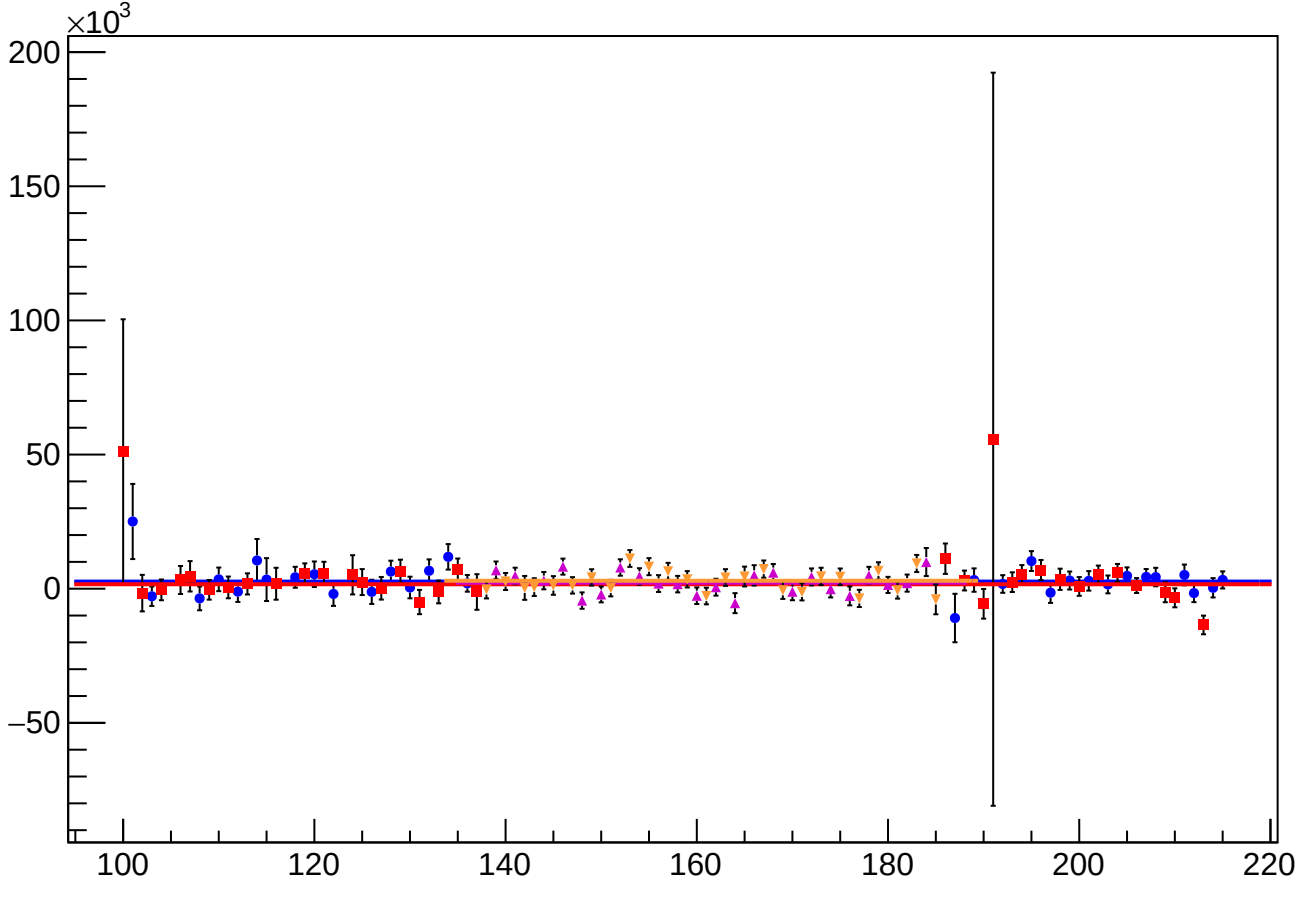
Right: 740.177+/-0.098 χ^2/NDF: 17535464.9/64

In: 772.272+/-0.096 χ^2/NDF:9479951.7/53

Out: 760.085+/-0.094 χ^2/NDF:10422755.8/58

All: 766.073+/-0.067 χ^2/NDF: 19910922.4/1

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2653.525+/-707.524 χ^2/NDF: 28.3/30

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 1658.414+/-722.115 χ^2/NDF: 43.1/33

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

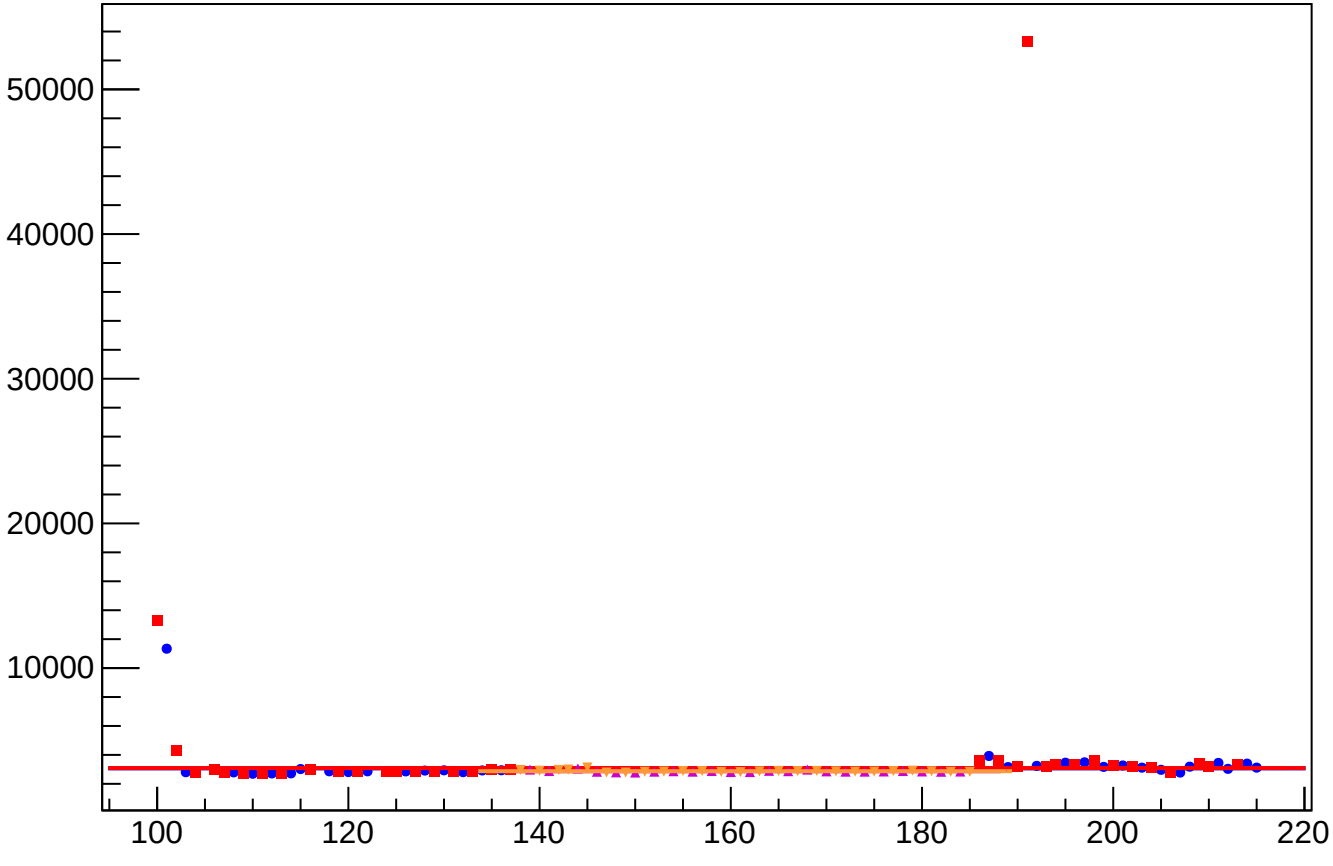
Right: 2166.125+/-505.375 χ^2/NDF: 72.4/64

In: 2434.287+/-486.612 χ^2/NDF:62.3/53

Out: 2379.314+/-484.454 χ^2/NDF:80.7/58

All: 2406.678+/-343.321 χ^2/NDF: 143.0/112

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3068.040+/-0.500 χ^2/NDF: 926999.9/30

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3090.230+/-0.511 χ^2/NDF: 761890.0/33

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

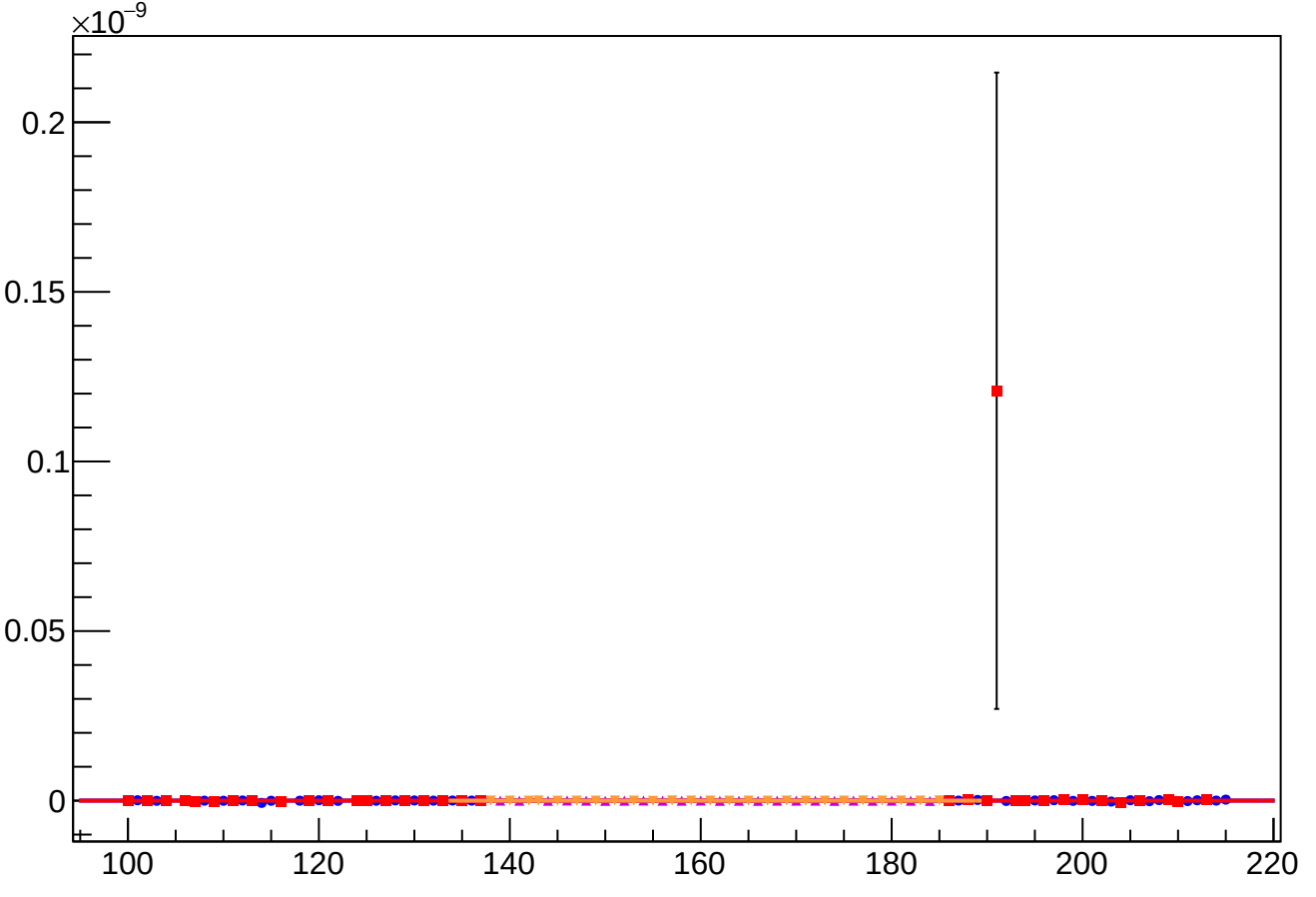
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3078.909+/-0.357 χ^2/NDF: 1689853.4/64

In: 2963.758+/-0.344 χ^2/NDF:1027134.6/53

Out: 2971.835+/-0.343 χ^2/NDF:881445.4/58

All: 2967.814+/-0.243 χ^2/NDF: 1908856.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 26.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/33

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

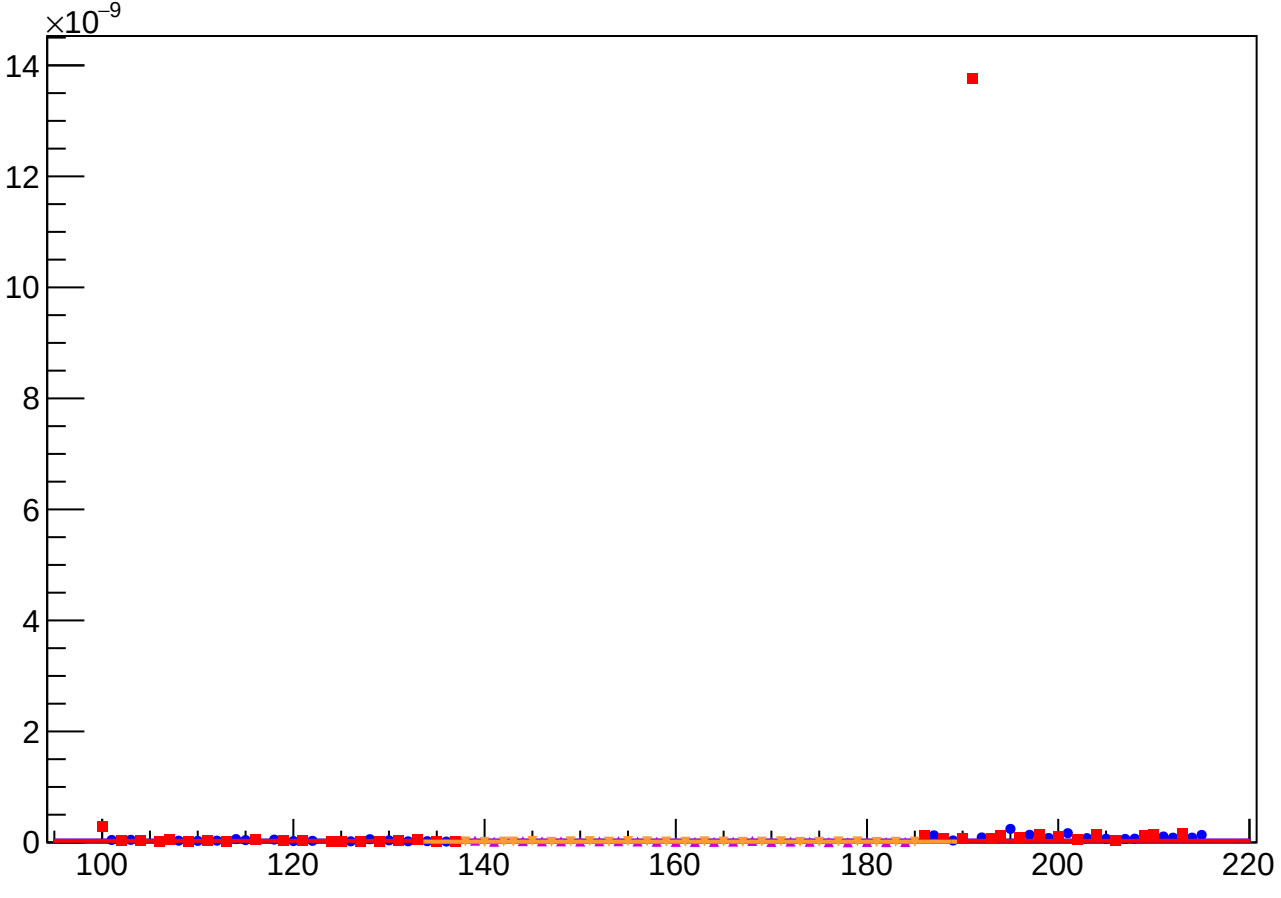
Right: 0.000+/-0.000 χ^2/NDF: 69.6/64

In: -0.000+/-0.000 χ^2/NDF:57.0/53

Out: 0.000+/-0.000 χ^2/NDF:58.2/58

All: -0.000+/-0.000 χ^2/NDF: 115.9/112

asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5330733.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5077047.2/33

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

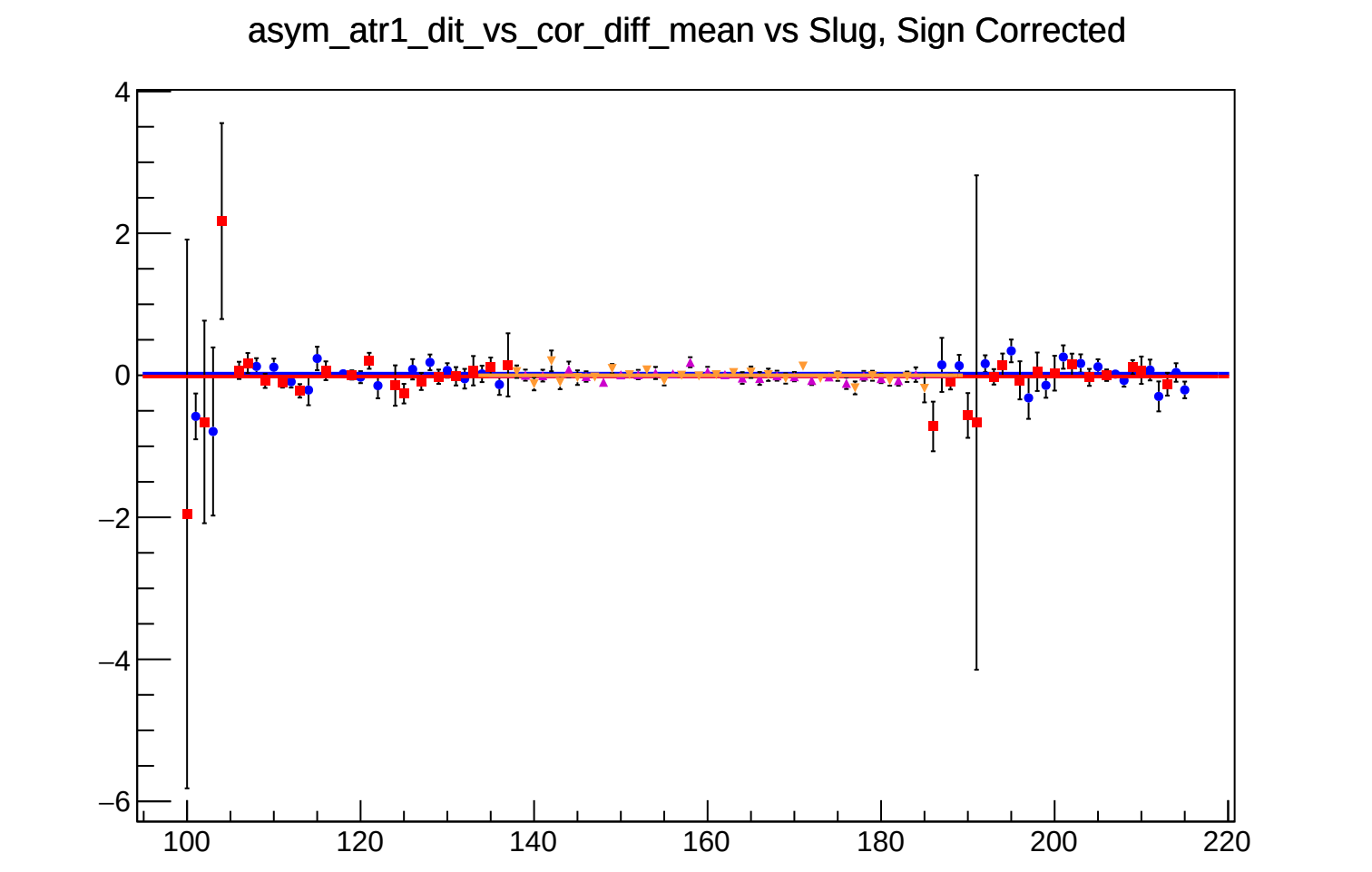
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 10497688.5/64

In: 0.000+/-0.000 χ^2/NDF:12568942.8/53

Out: 0.000+/-0.000 χ^2/NDF:8417366.4/58

All: 0.000+/-0.000 χ^2/NDF: 21211956.2/112



Right In: 0.023+/-0.021 χ^2/NDF: 34.9/30

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.017+/-0.023 χ^2/NDF: 33.2/33

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

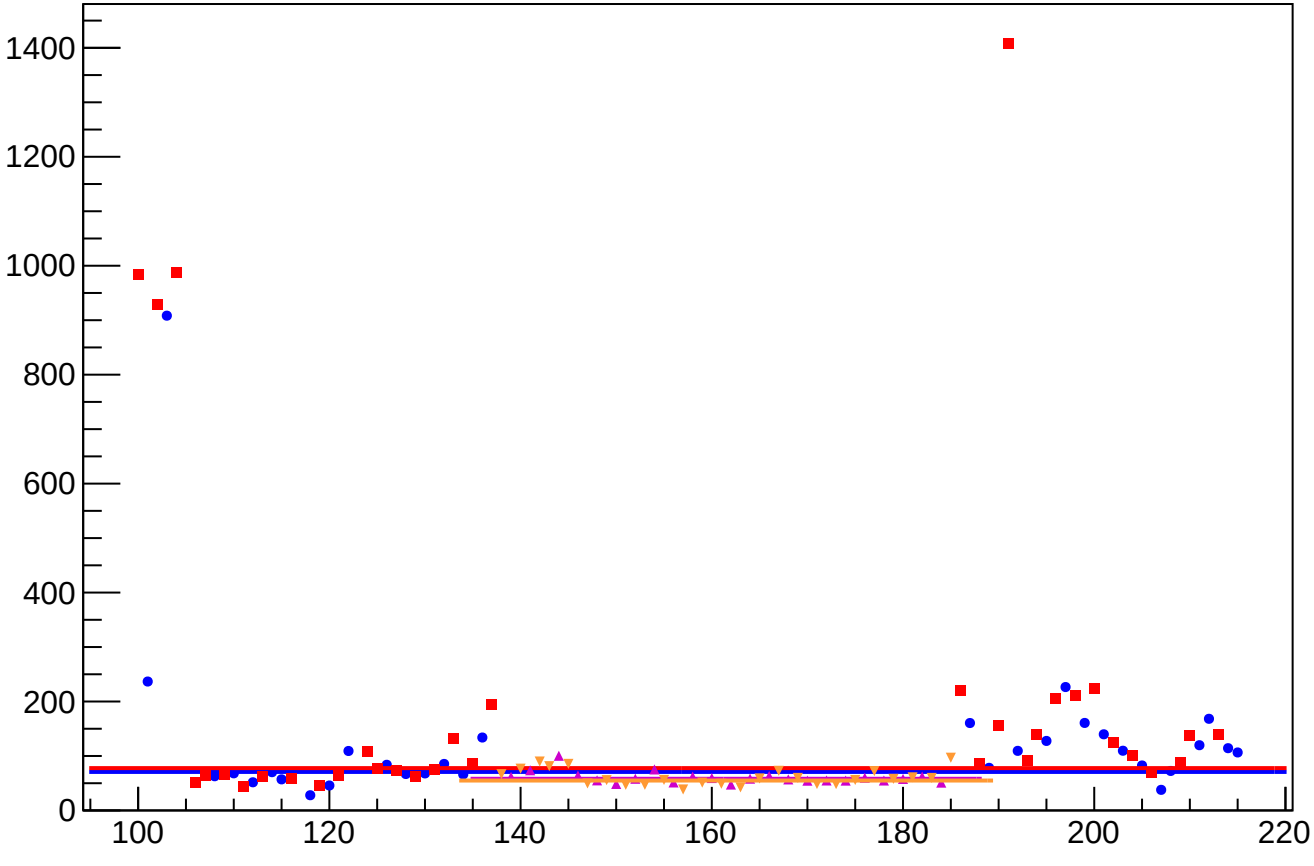
Right: 0.004+/-0.015 χ^2/NDF: 69.9/64

In: 0.002+/-0.012 χ^2/NDF:51.9/53

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.001+/-0.008 χ^2/NDF: 108.3/112

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.731+/-0.015 χ^2/NDF: 7633409.2/30

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 77.733+/-0.016 χ^2/NDF: 6770213.5/33

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

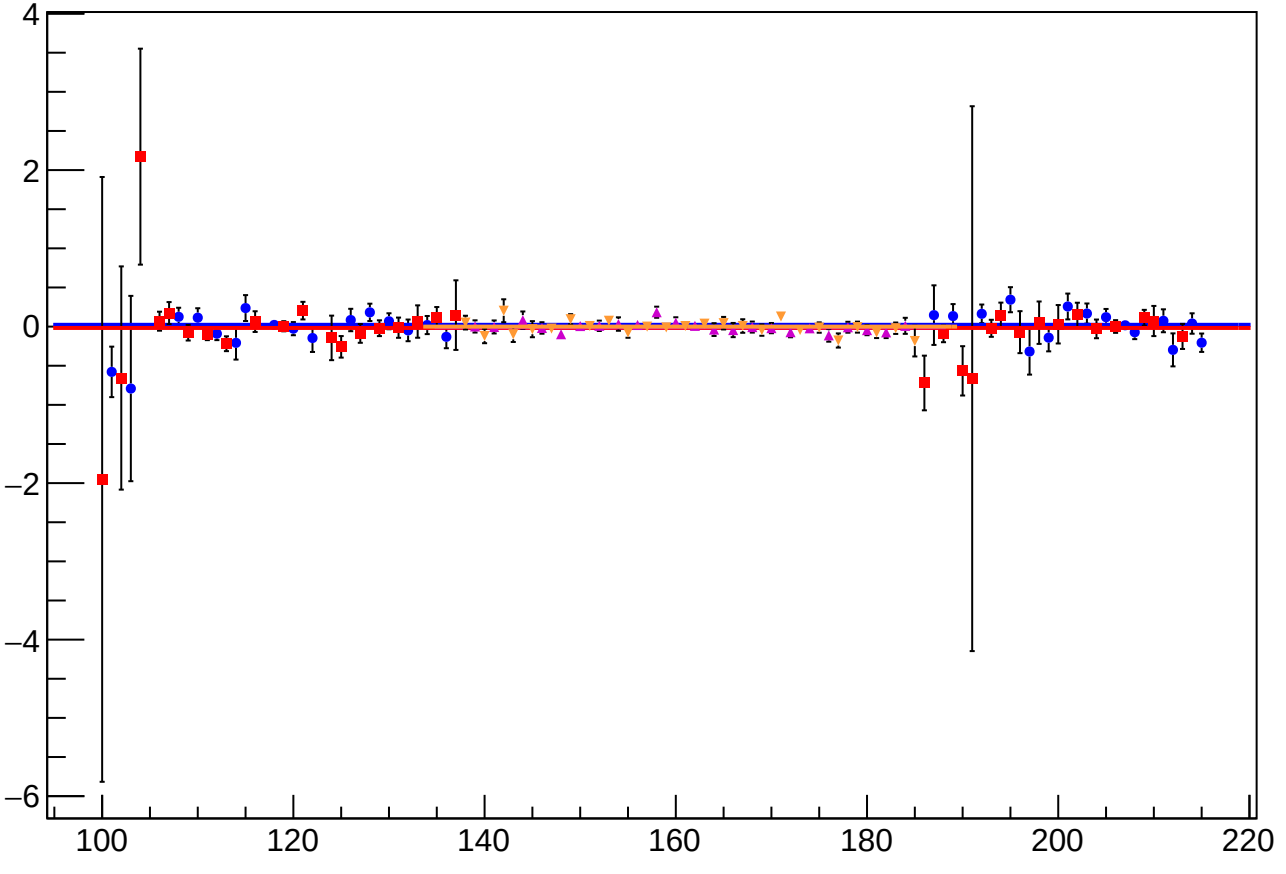
Right: 73.944+/-0.011 χ^2/NDF: 14508394.6/64

In: 62.405+/-0.009 χ^2/NDF:8779096.4/53

Out: 61.356+/-0.008 χ^2/NDF:9542741.2/58

All: 61.875+/-0.006 χ^2/NDF: 18329478.2/112

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.021 χ^2/NDF: 34.9/30

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.017+/-0.023 χ^2/NDF: 33.2/33

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

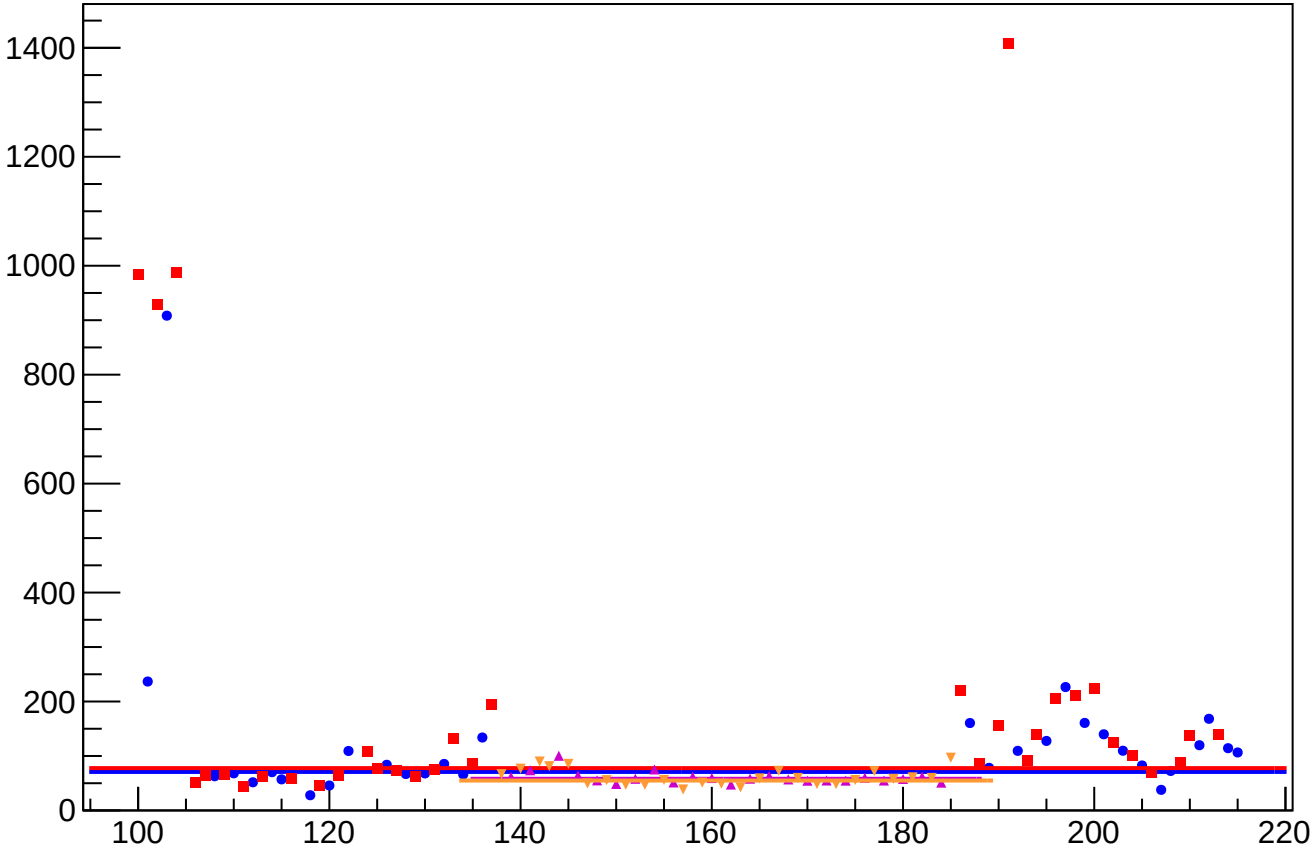
Right: 0.004+/-0.015 χ^2/NDF: 69.9/64

In: 0.002+/-0.012 χ^2/NDF:51.9/53

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.001+/-0.008 χ^2/NDF: 108.3/112

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.731+/-0.015 χ^2/NDF: 7633409.2/30

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 77.733+/-0.016 χ^2/NDF: 6770213.5/33

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

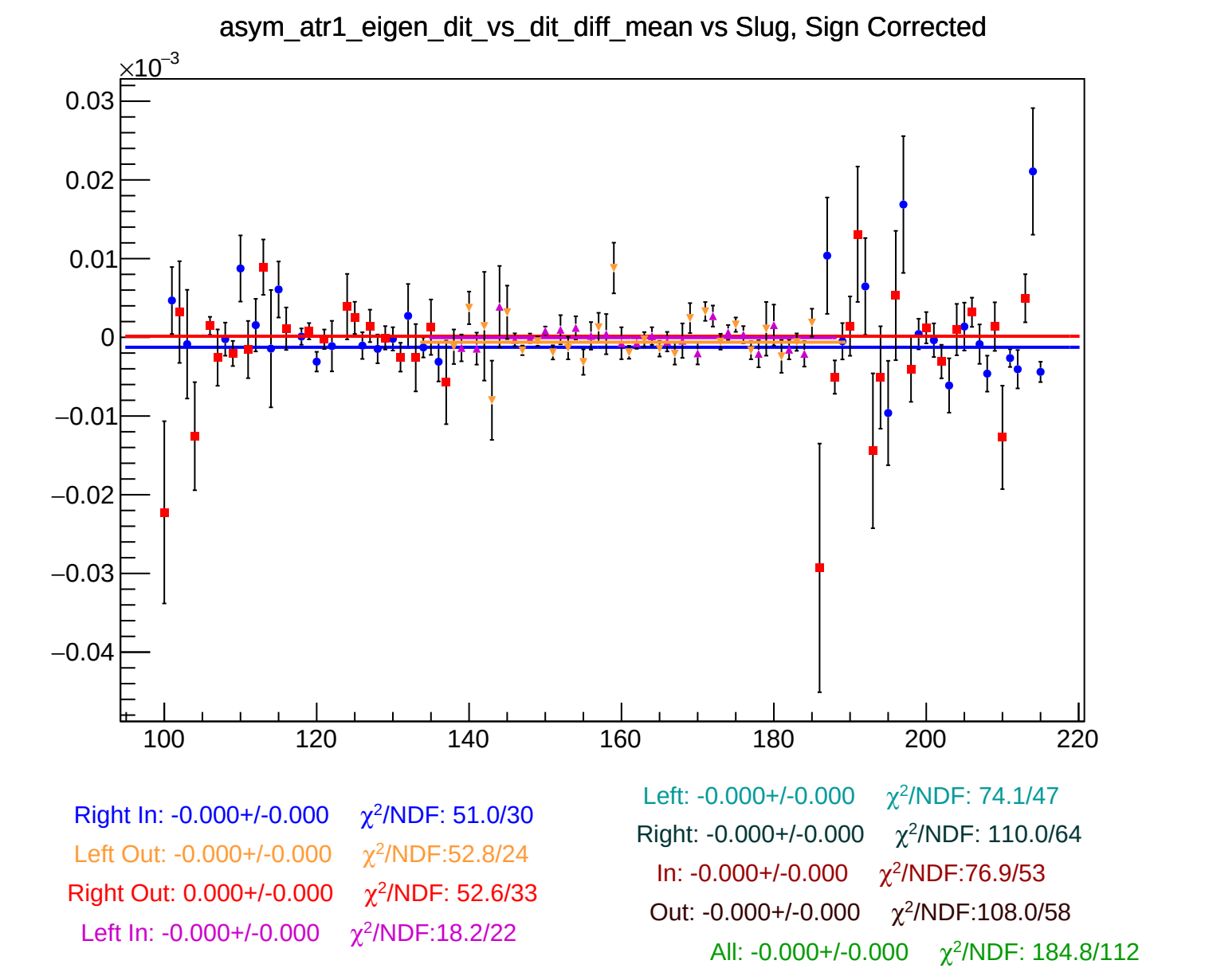
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

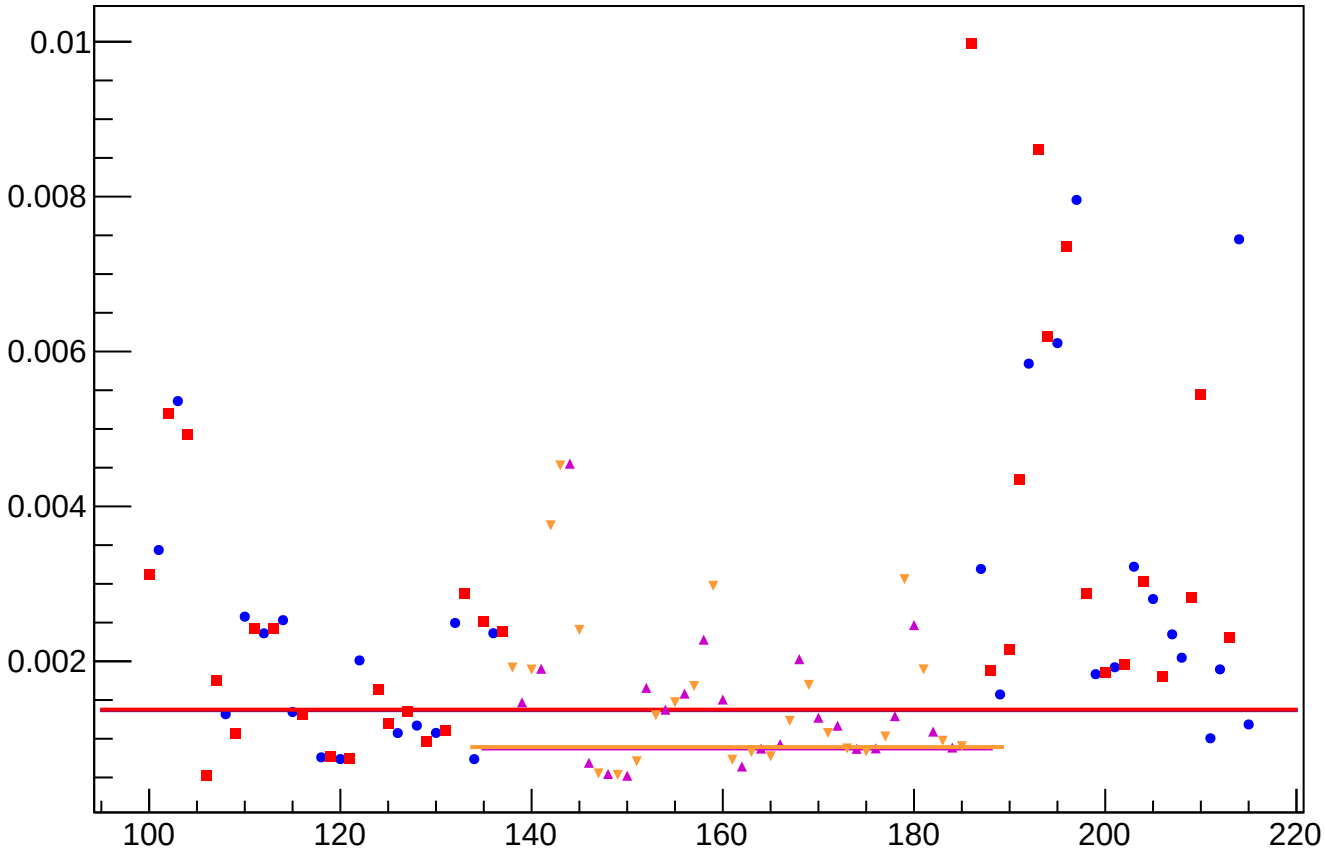
Right: 73.944+/-0.011 χ^2/NDF: 14508394.6/64

In: 62.405+/-0.009 χ^2/NDF:8779096.4/53

Out: 61.356+/-0.008 χ^2/NDF:9542741.2/58

All: 61.875+/-0.006 χ^2/NDF: 18329478.2/112


asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 51.0/30
Left Out: -0.000+/-0.000 χ²/NDF:52.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 52.6/33
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 74.1/47
Right: -0.000+/-0.000 χ²/NDF: 110.0/64
In: -0.000+/-0.000 χ²/NDF:76.9/53
Out: -0.000+/-0.000 χ²/NDF:108.0/58
All: -0.000+/-0.000 χ²/NDF: 184.8/112



Right In: 0.001+/-0.000 χ^2/NDF: 10542263.9/30

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11615482.0/33

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

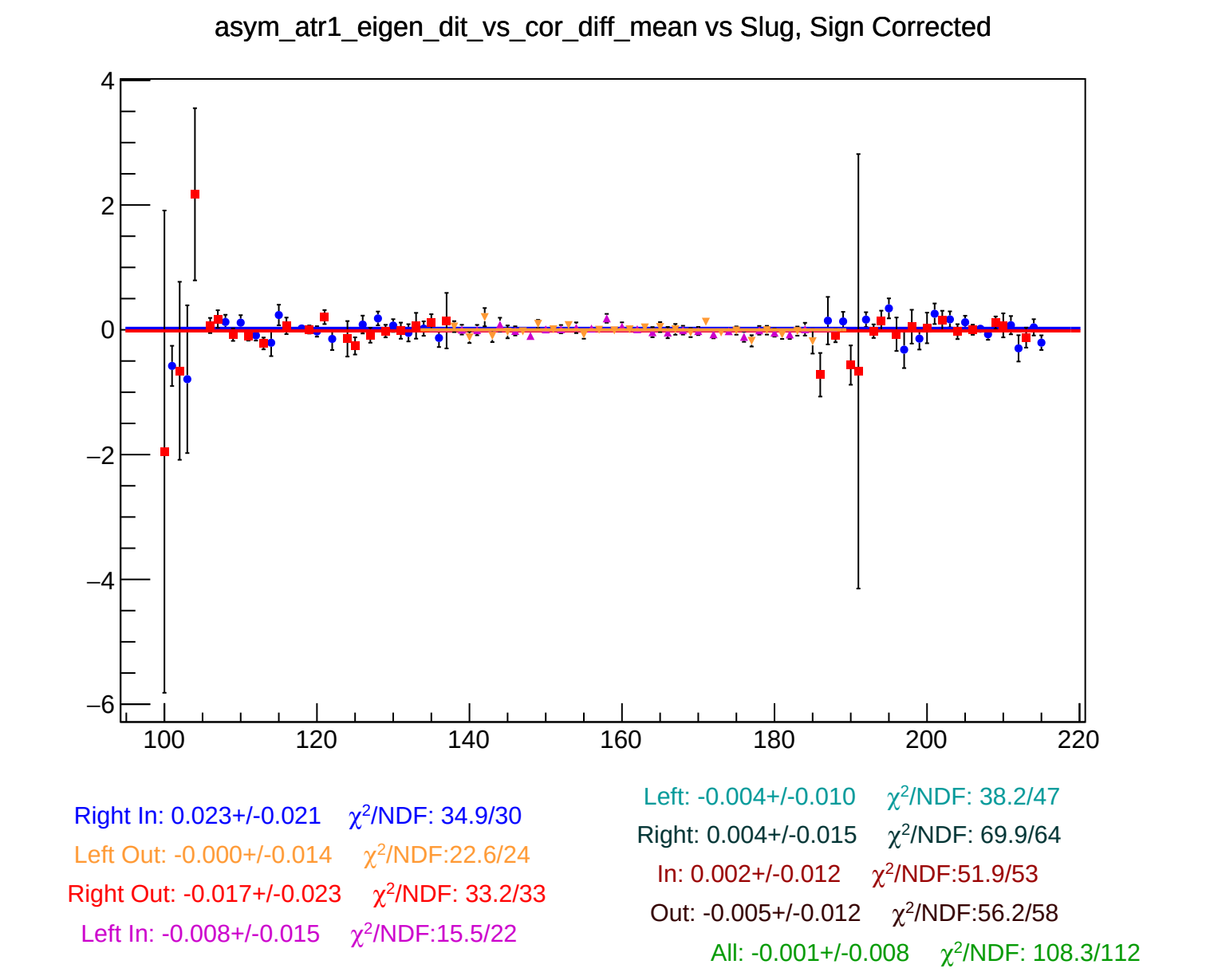
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

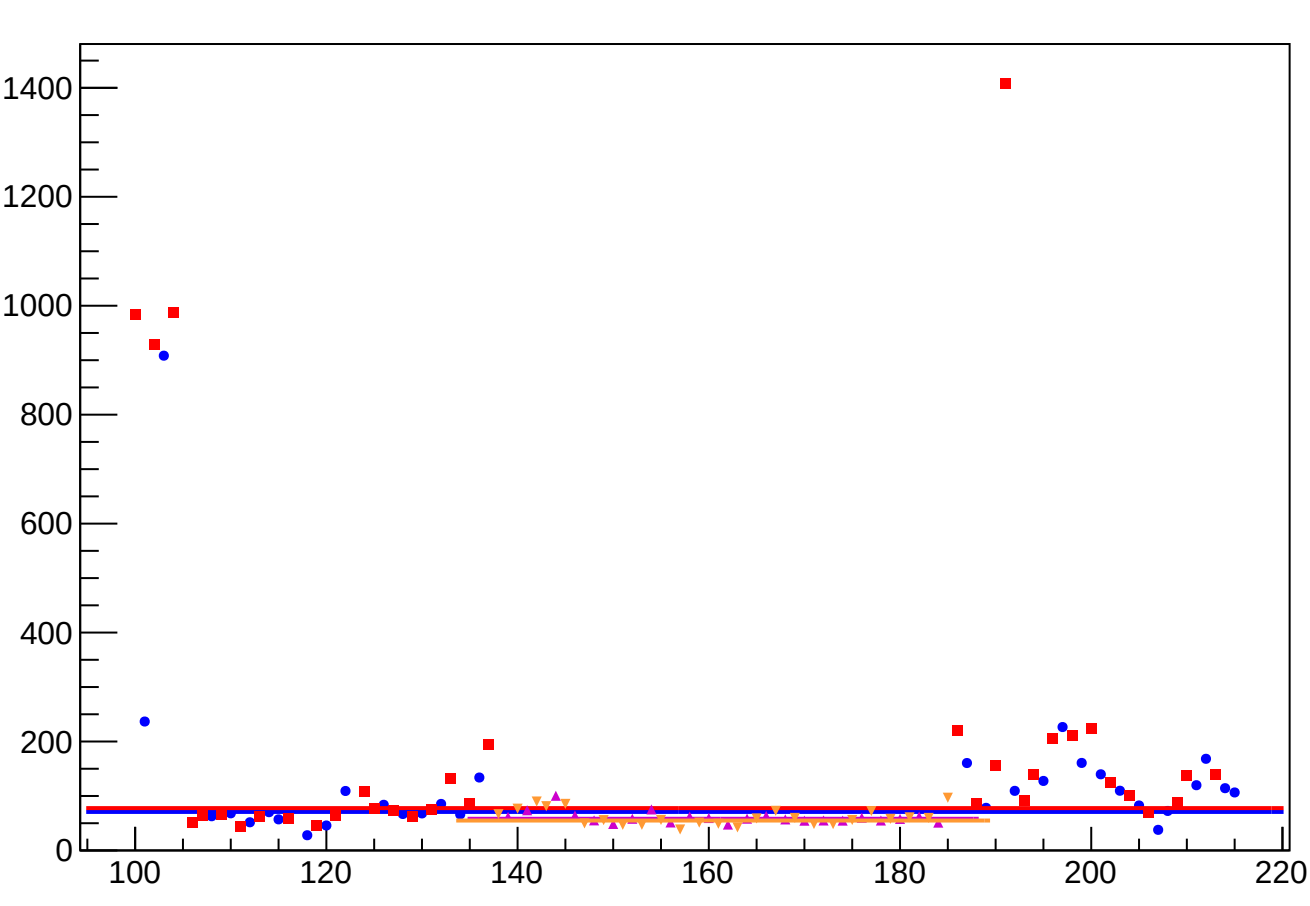
Right: 0.001+/-0.000 χ^2/NDF: 22157983.4/64

In: 0.001+/-0.000 χ^2/NDF:19974574.3/53

Out: 0.001+/-0.000 χ^2/NDF:21498788.0/58

All: 0.001+/-0.000 χ^2/NDF: 41473367.5/112


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: 0.023+/-0.021 χ²/NDF: 34.9/30
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.017+/-0.023 χ²/NDF: 33.2/33
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.004+/-0.015 χ²/NDF: 69.9/64
In: 0.002+/-0.012 χ²/NDF:51.9/53
Out: -0.005+/-0.012 χ²/NDF:56.2/58
All: -0.001+/-0.008 χ²/NDF: 108.3/112



Right In: 70.730+/-0.015 χ^2/NDF: 7633707.5/30

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 77.732+/-0.016 χ^2/NDF: 6770244.8/33

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

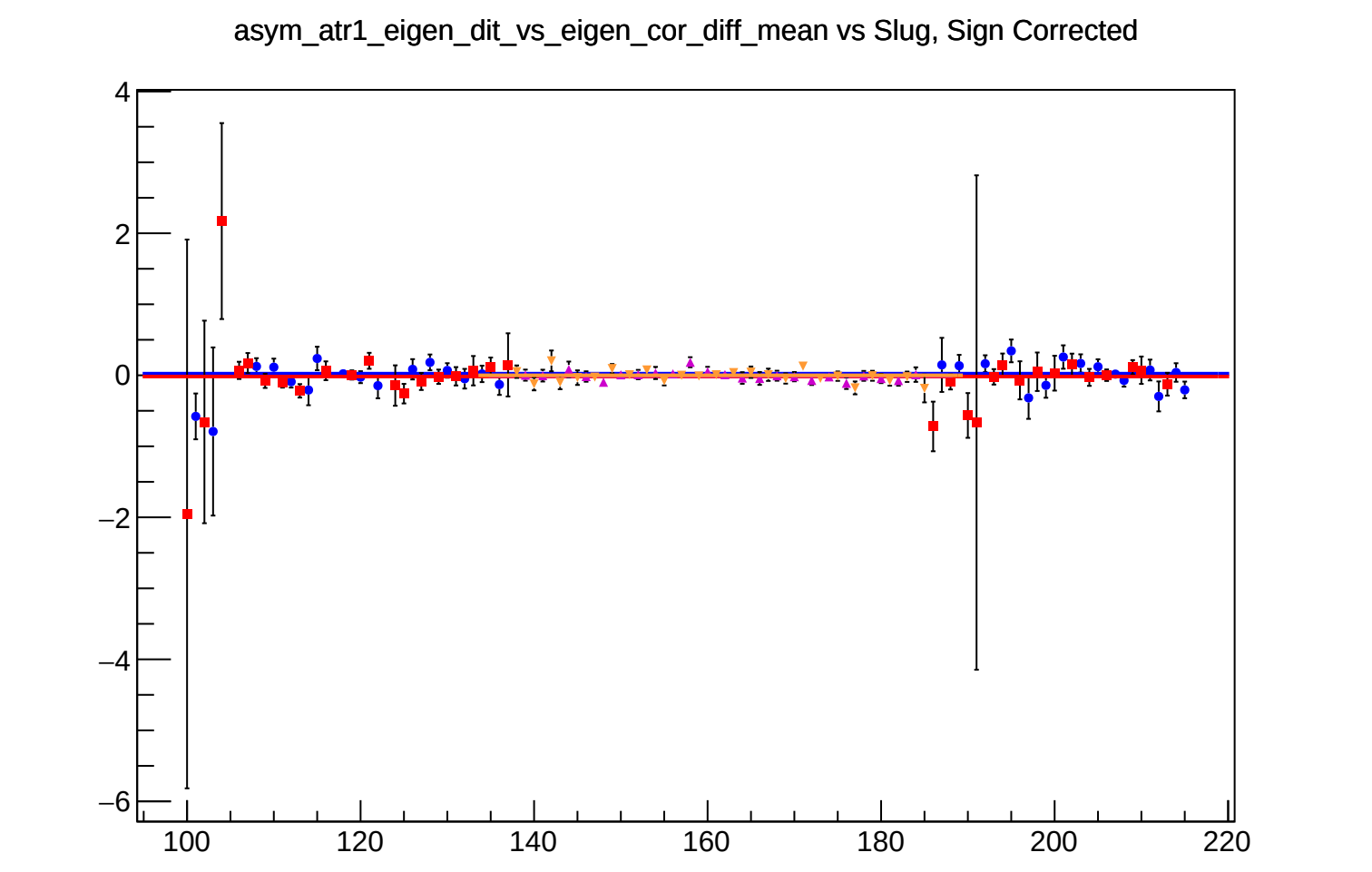
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 73.943+/-0.011 χ^2/NDF: 14508754.4/64

In: 62.405+/-0.009 χ^2/NDF:8779331.2/53

Out: 61.355+/-0.008 χ^2/NDF:9542887.2/58

All: 61.875+/-0.006 χ^2/NDF: 18329859.9/112



Right In: 0.023+/-0.021 χ^2/NDF: 34.9/30

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.017+/-0.023 χ^2/NDF: 33.2/33

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

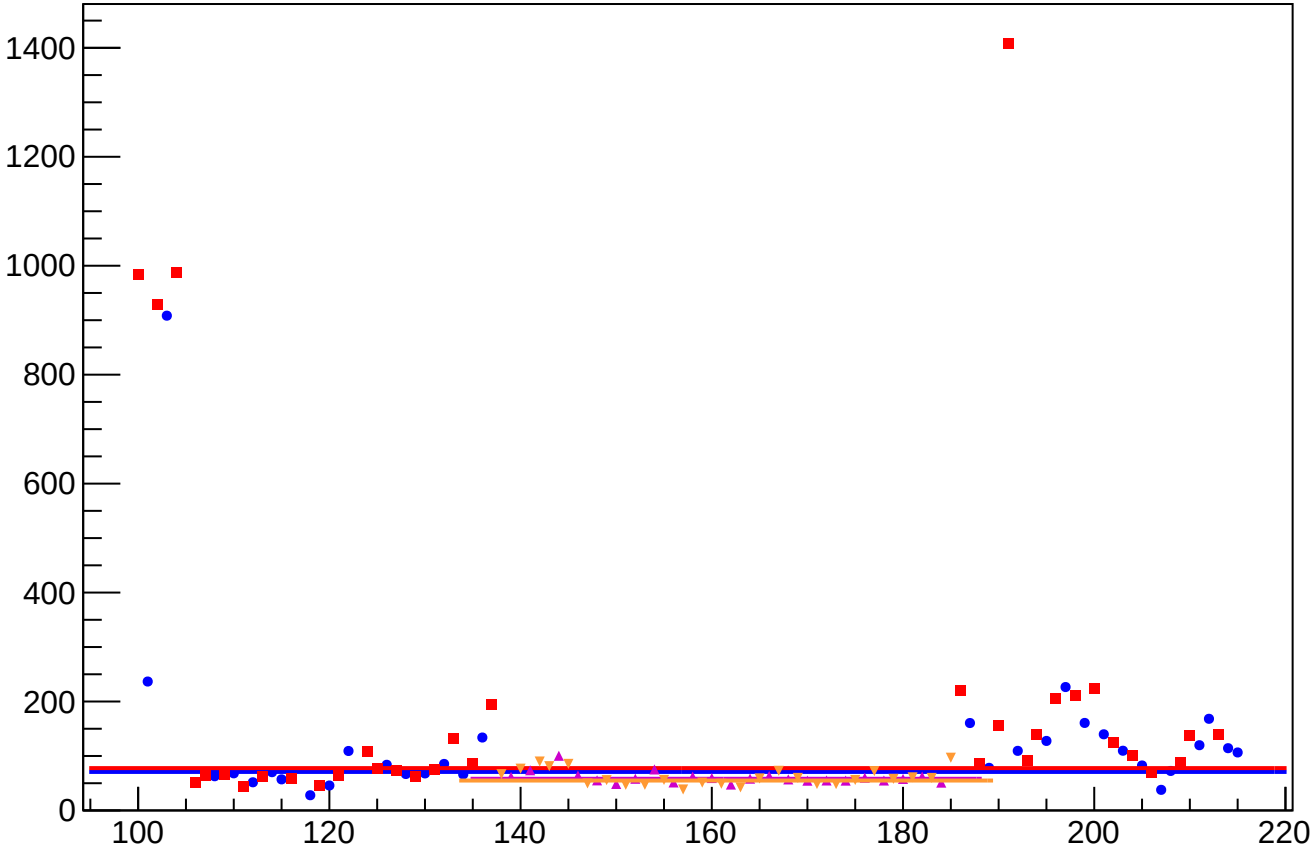
Right: 0.004+/-0.015 χ^2/NDF: 69.9/64

In: 0.002+/-0.012 χ^2/NDF:51.9/53

Out: -0.005+/-0.012 χ^2/NDF:56.2/58

All: -0.001+/-0.008 χ^2/NDF: 108.3/112

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.730+/-0.015 χ^2/NDF: 7633707.5/30

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 77.732+/-0.016 χ^2/NDF: 6770244.8/33

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

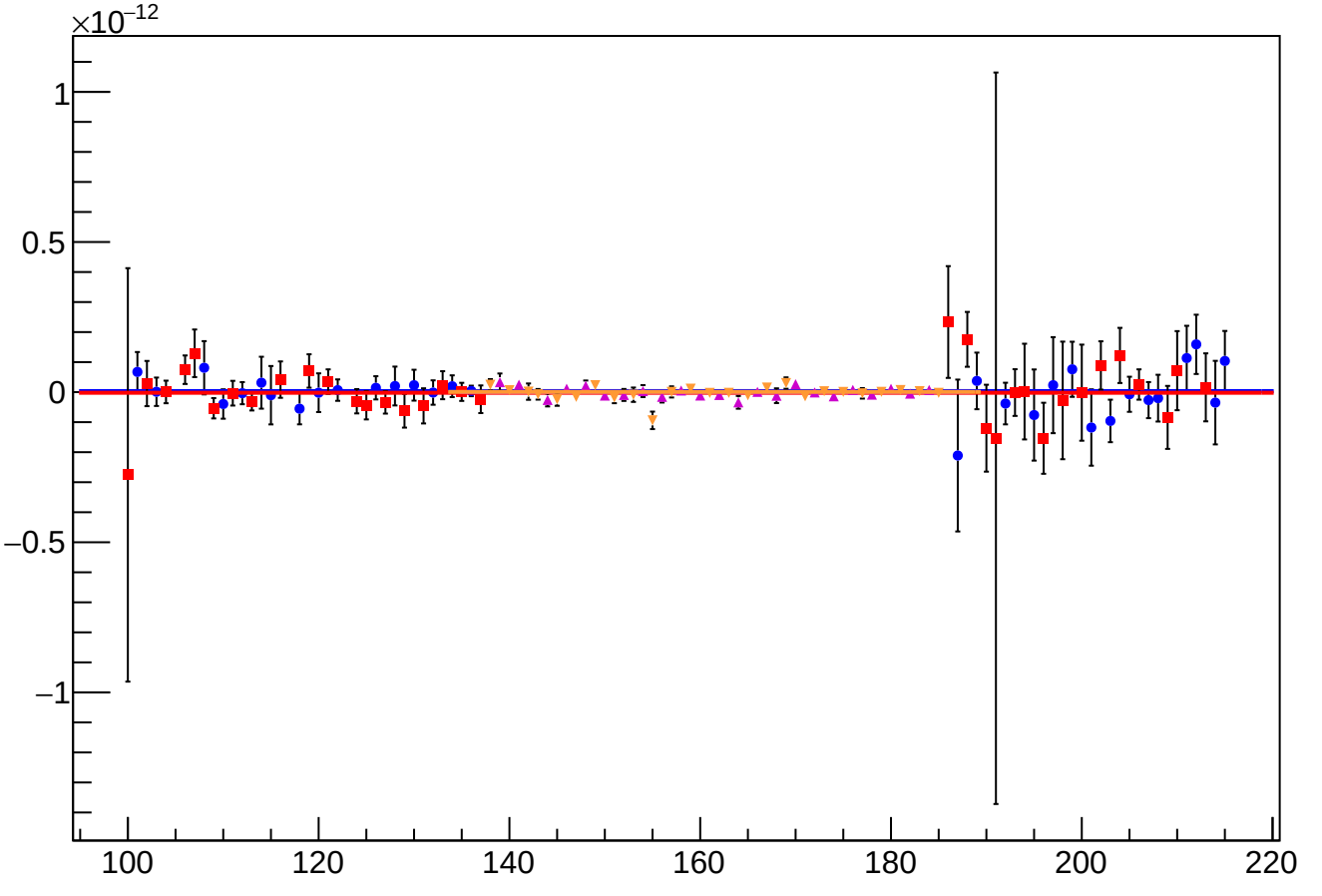
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 73.943+/-0.011 χ^2/NDF: 14508754.4/64

In: 62.405+/-0.009 χ^2/NDF:8779331.2/53

Out: 61.355+/-0.008 χ^2/NDF:9542887.2/58

All: 61.875+/-0.006 χ^2/NDF: 18329859.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/33

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

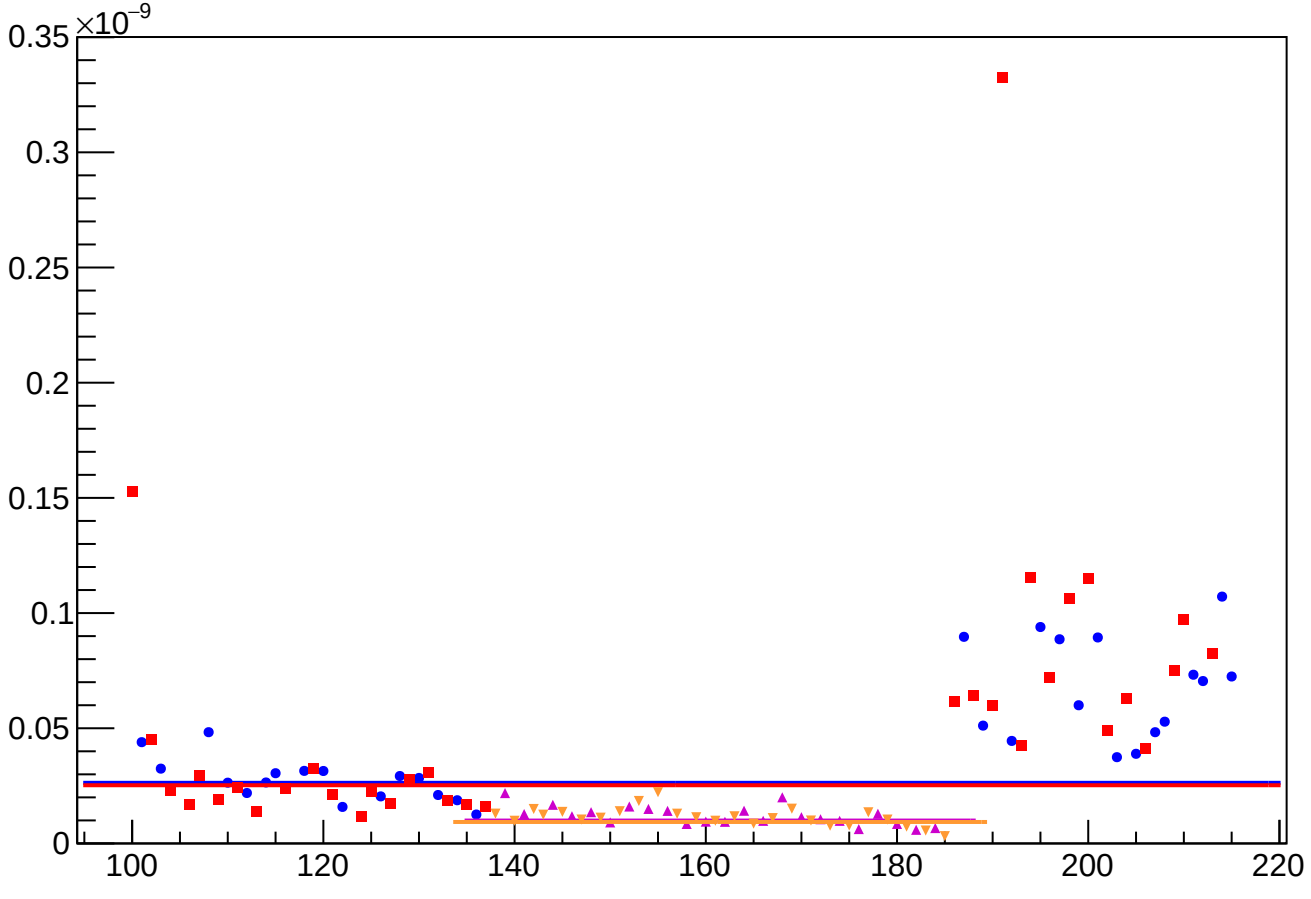
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 43.1/64

In: 0.000+/-0.000 χ^2/NDF:34.8/53

Out: 0.000+/-0.000 χ^2/NDF:53.9/58

All: 0.000+/-0.000 χ^2/NDF: 88.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 6336267.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6309311.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

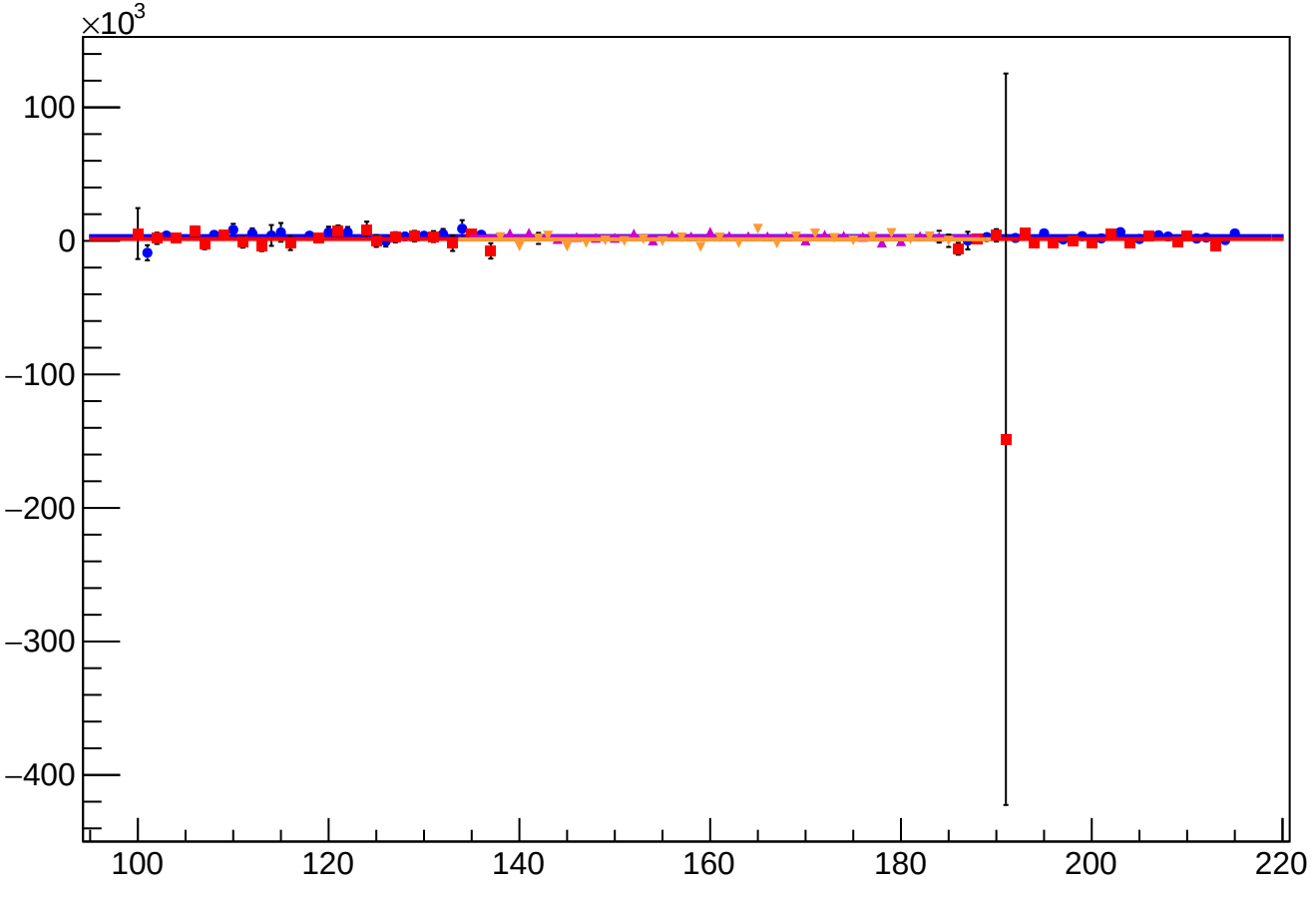
Right: 0.000+/-0.000 χ^2/NDF: 12658054.5/64

In: 0.000+/-0.000 χ^2/NDF:14472143.7/53

Out: 0.000+/-0.000 χ^2/NDF:14627246.8/58

All: 0.000+/-0.000 χ^2/NDF: 29193908.5/112

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3609.180+/-610.484 χ^2/NDF: 14.9/30

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1409.347+/-616.692 χ^2/NDF: 31.6/33

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

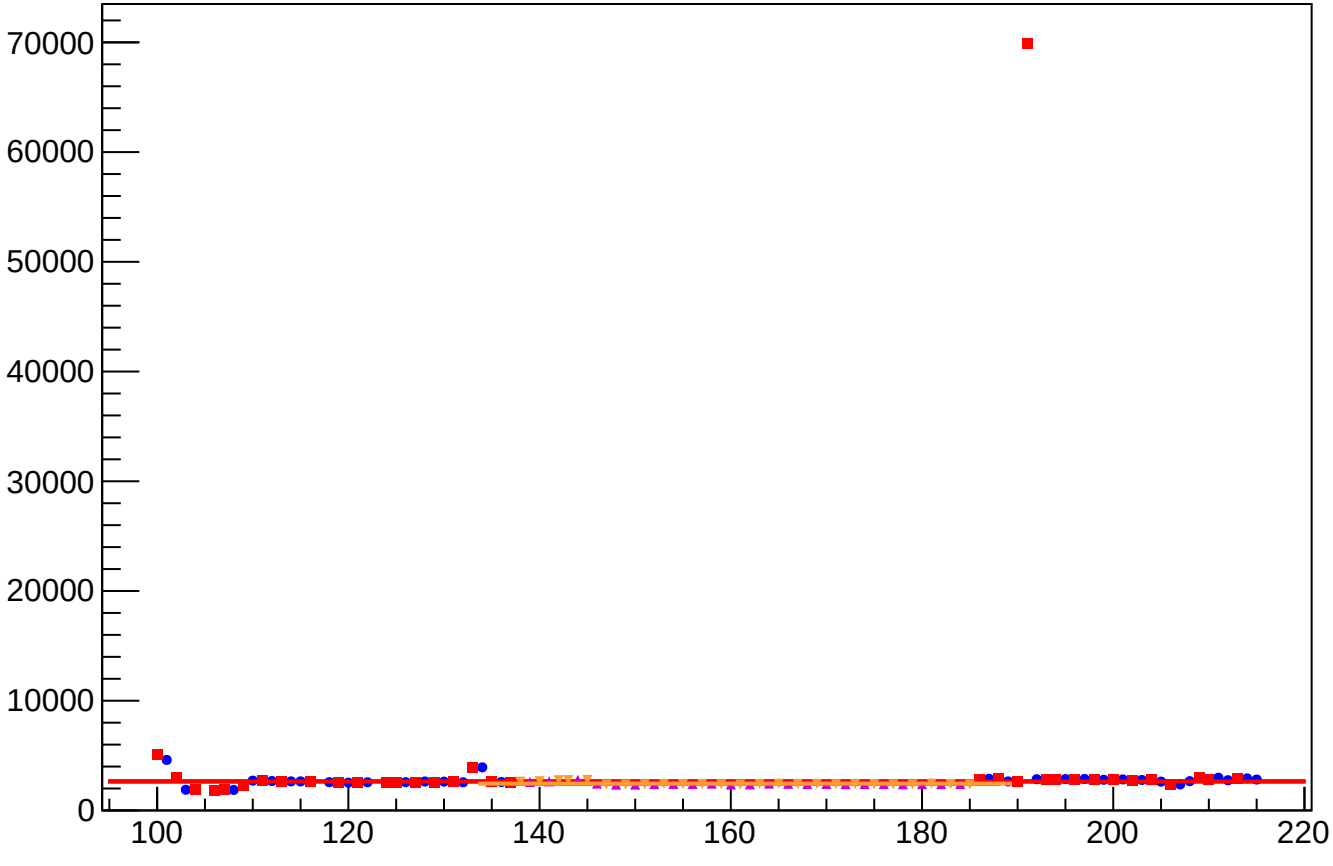
Right: 2520.392+/-433.855 χ^2/NDF: 52.9/64

In: 3362.168+/-416.324 χ^2/NDF:27.9/53

Out: 1287.757+/-413.045 χ^2/NDF:62.8/58

All: 2316.762+/-293.219 χ^2/NDF: 103.2/112

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2654.388+/-0.432 χ^2/NDF: 771403.7/30

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2633.602+/-0.436 χ^2/NDF: 803150.7/33

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

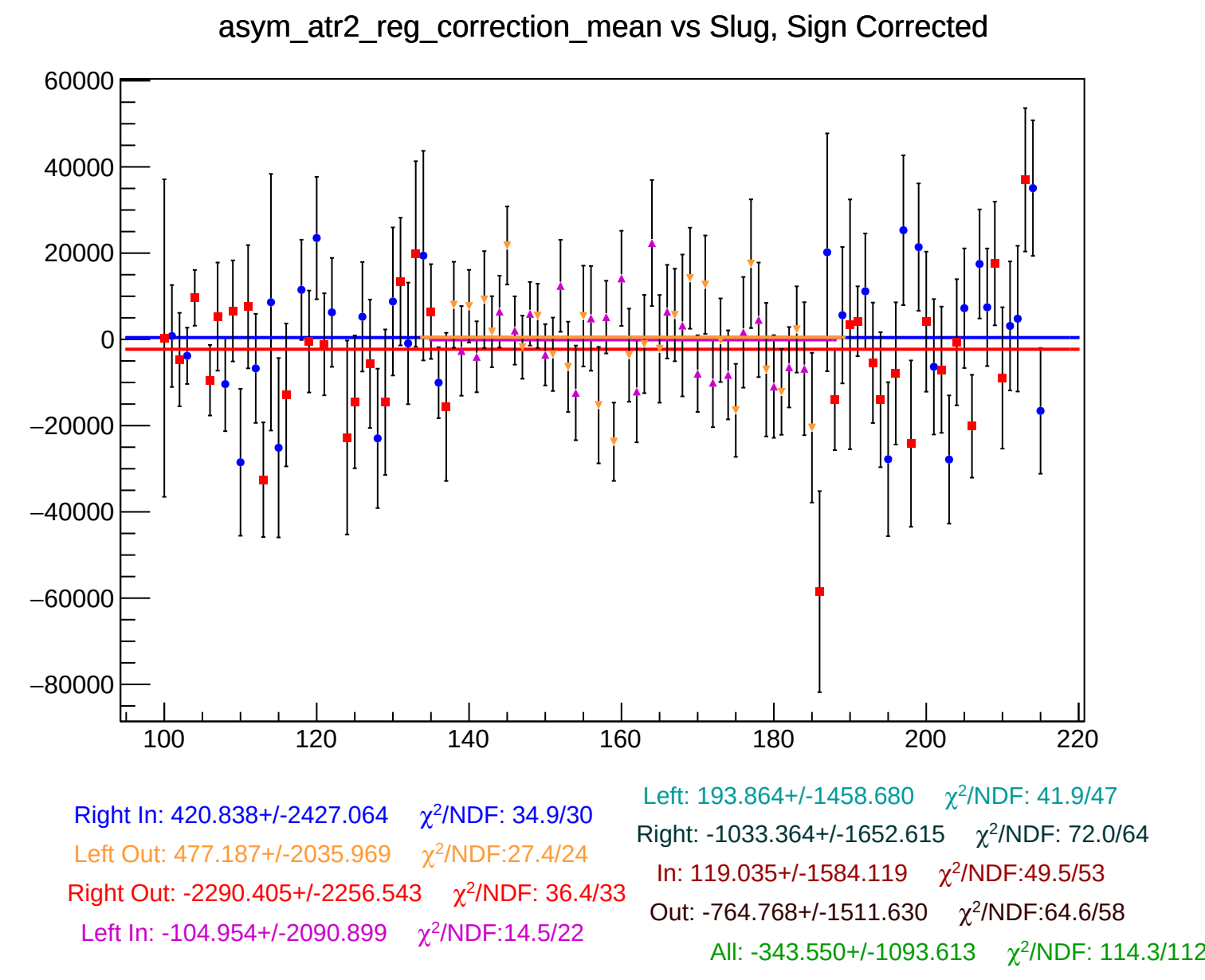
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

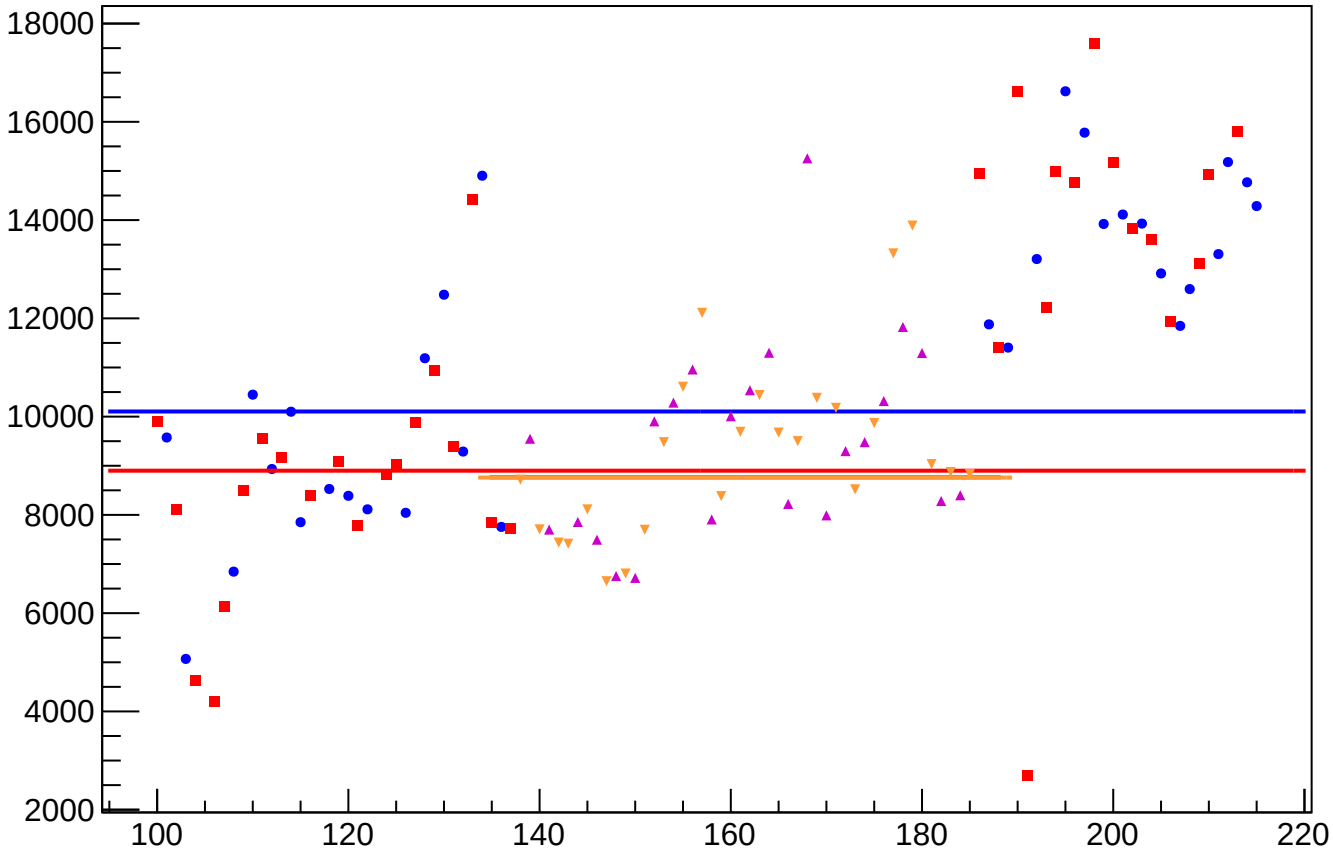
Right: 2644.100+/-0.307 χ^2/NDF: 1575701.9/64

In: 2537.538+/-0.294 χ^2/NDF:967567.2/53

Out: 2530.062+/-0.292 χ^2/NDF:995410.9/58

All: 2533.770+/-0.207 χ^2/NDF: 1963303.2/11


asym_atr2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 420.838+/-2427.064 χ²/NDF: 34.9/30
Left Out: 477.187+/-2035.969 χ²/NDF:27.4/24
Right Out: -2290.405+/-2256.543 χ²/NDF: 36.4/33
Left In: -104.954+/-2090.899 χ²/NDF:14.5/22
Left: 193.864+/-1458.680 χ²/NDF: 41.9/47
Right: -1033.364+/-1652.615 χ²/NDF: 72.0/64
In: 119.035+/-1584.119 χ²/NDF:49.5/53
Out: -764.768+/-1511.630 χ²/NDF:64.6/58
All: -343.550+/-1093.613 χ²/NDF: 114.3/112



Right In: 10104.517+/-1.716 χ^2/NDF: 3682683.5/30

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8899.648+/-1.596 χ^2/NDF: 6132433.8/33

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

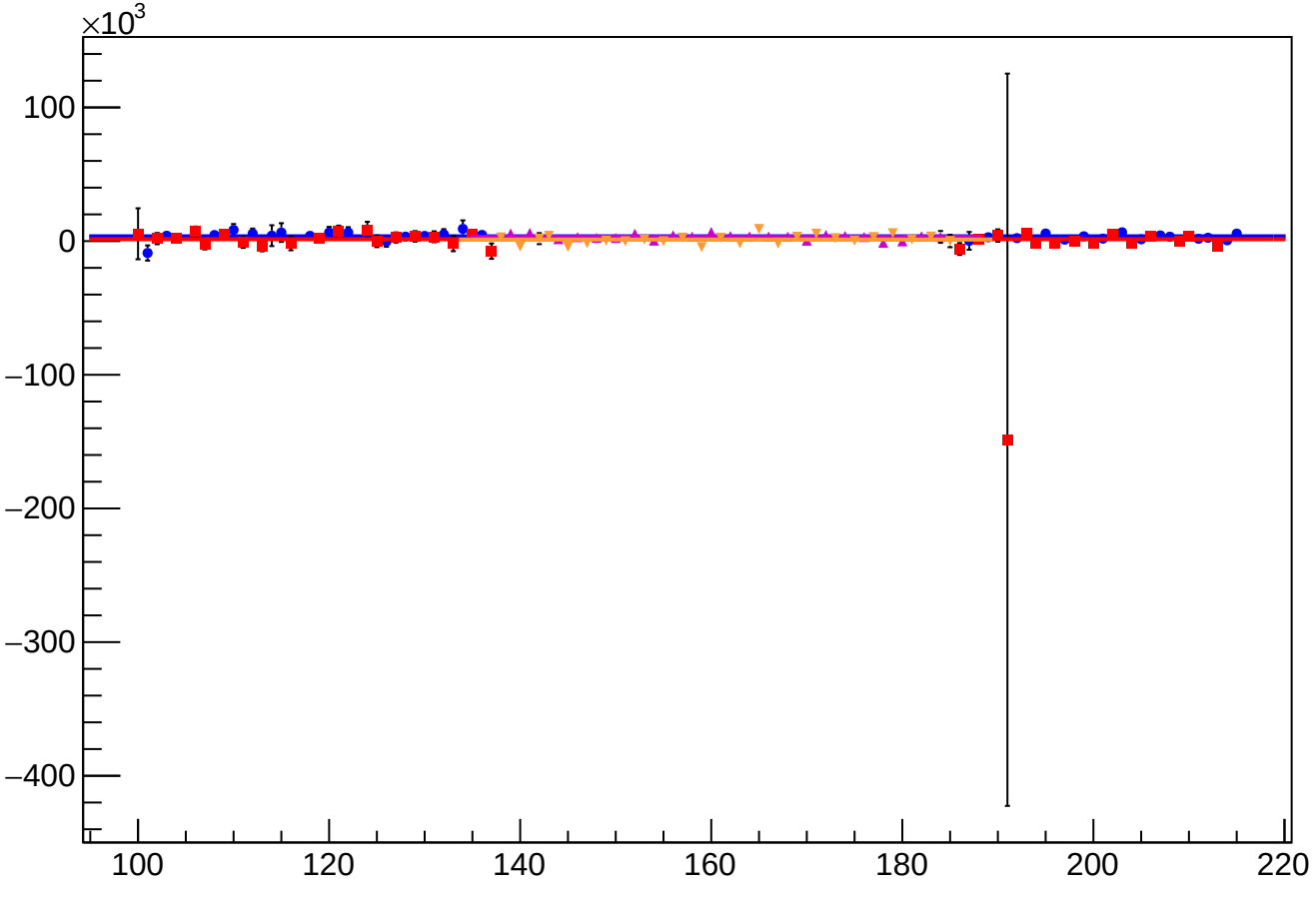
Right: 9458.272+/-1.169 χ^2/NDF: 10079482.1/64

In: 9335.144+/-1.120 χ^2/NDF:5324514.4/53

Out: 8822.466+/-1.069 χ^2/NDF:7358916.3/58

All: 9066.807+/-0.773 χ^2/NDF: 12793073.4/

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3609.043+/-610.484 χ^2/NDF: 14.9/30

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1409.702+/-616.694 χ^2/NDF: 31.6/33

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

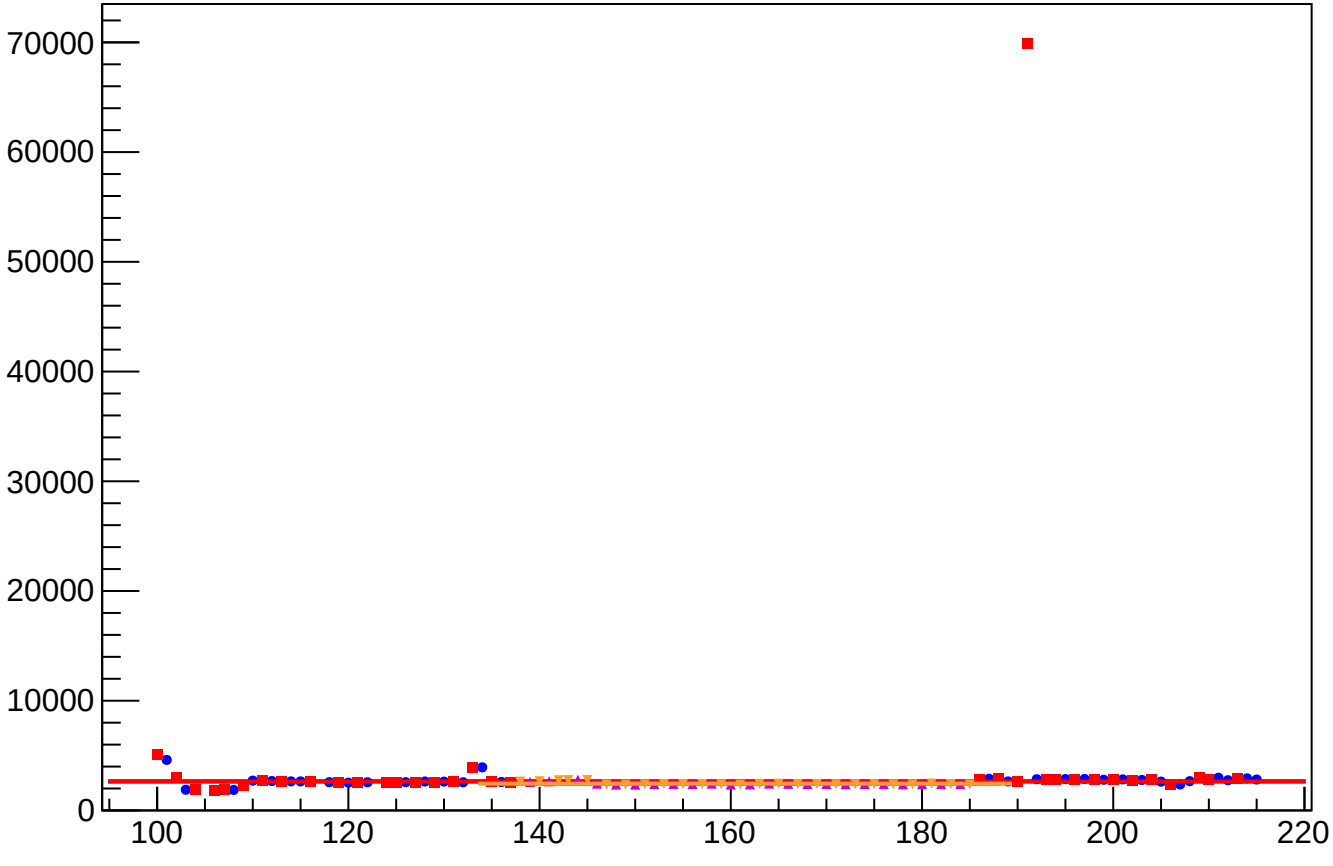
Right: 2520.502+/-433.856 χ^2/NDF: 52.9/64

In: 3361.999+/-416.324 χ^2/NDF:27.9/53

Out: 1287.822+/-413.046 χ^2/NDF:62.8/58

All: 2316.712+/-293.220 χ^2/NDF: 103.2/112

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2654.388+/-0.432 χ^2/NDF: 771400.8/30

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2633.614+/-0.436 χ^2/NDF: 803074.0/33

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

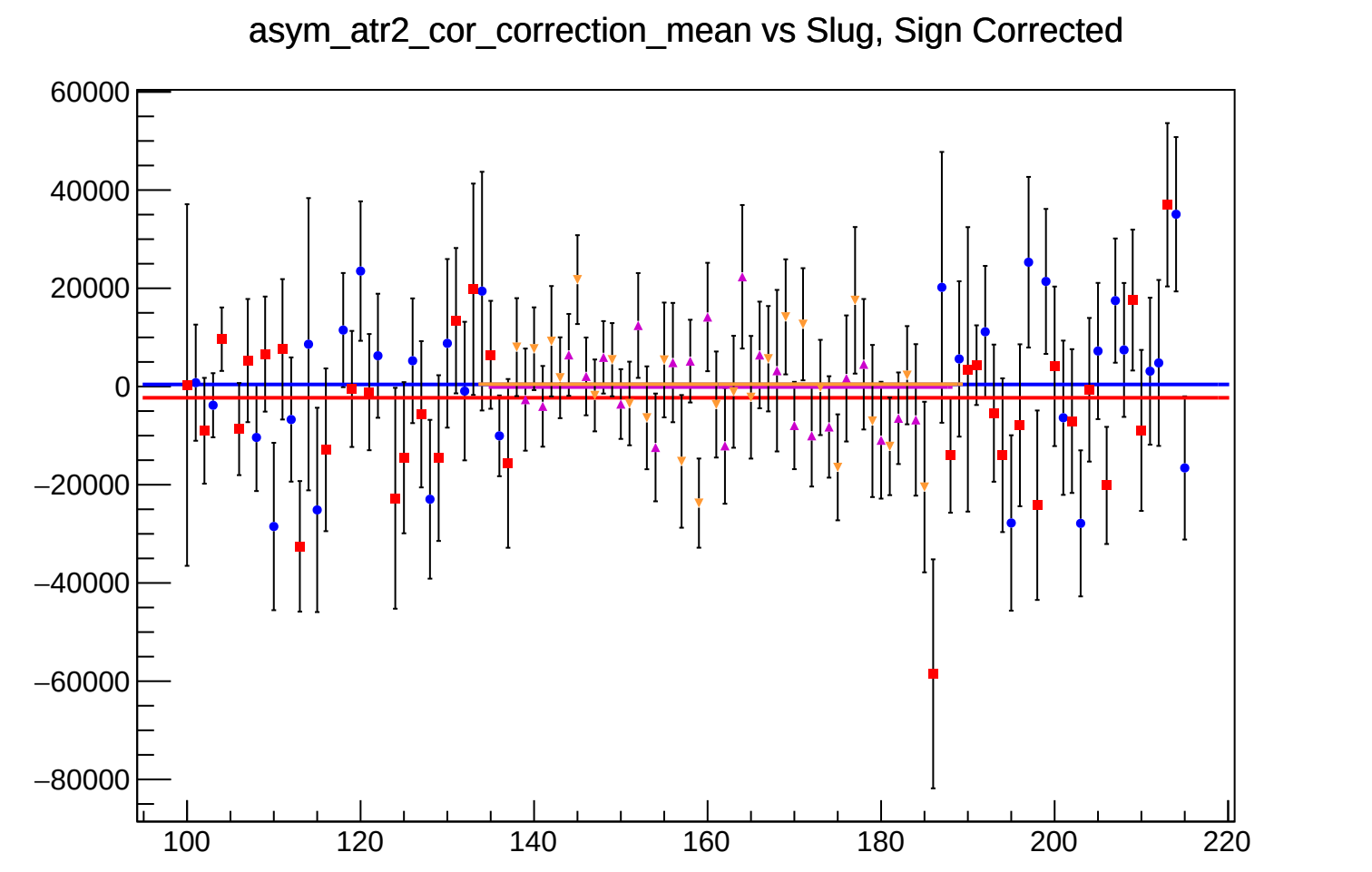
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2644.106+/-0.307 χ^2/NDF: 1575621.0/64

In: 2537.538+/-0.294 χ^2/NDF:967564.9/53

Out: 2530.067+/-0.292 χ^2/NDF:995347.0/58

All: 2533.773+/-0.207 χ^2/NDF: 1963236.5/11



Right In: 421.182+/-2427.107 χ^2/NDF: 34.9/30

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2294.940+/-2276.652 χ^2/NDF: 36.5/33

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

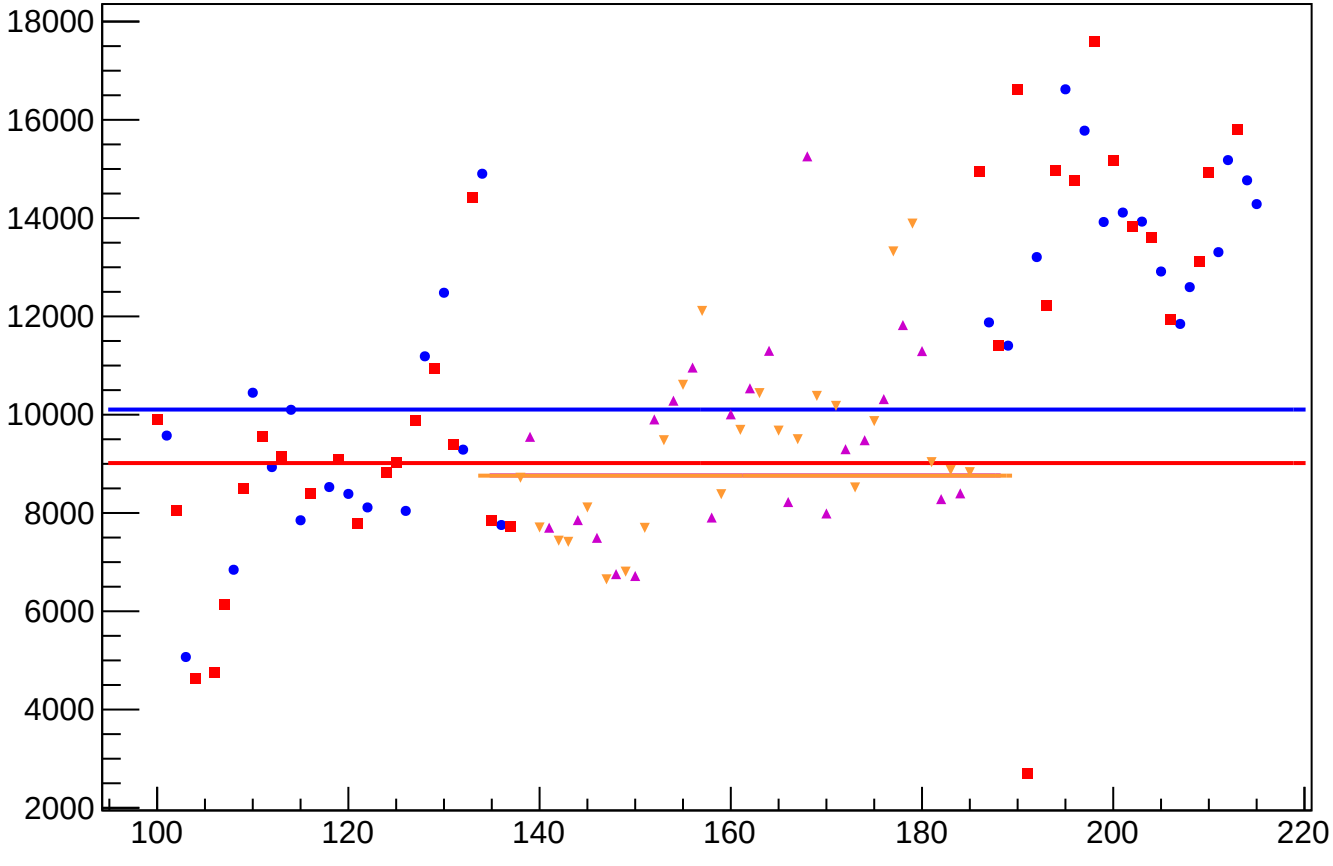
Right: -1023.668+/-1660.479 χ^2/NDF: 72.1/64

In: 119.136+/-1584.130 χ^2/NDF:49.5/53

Out: -754.639+/-1517.630 χ^2/NDF:64.7/58

All: -336.476+/-1095.882 χ^2/NDF: 114.3/112

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 10104.793+/-1.716 χ^2/NDF: 3682034.3/30

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9015.771+/-1.610 χ^2/NDF: 5858337.4/33

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

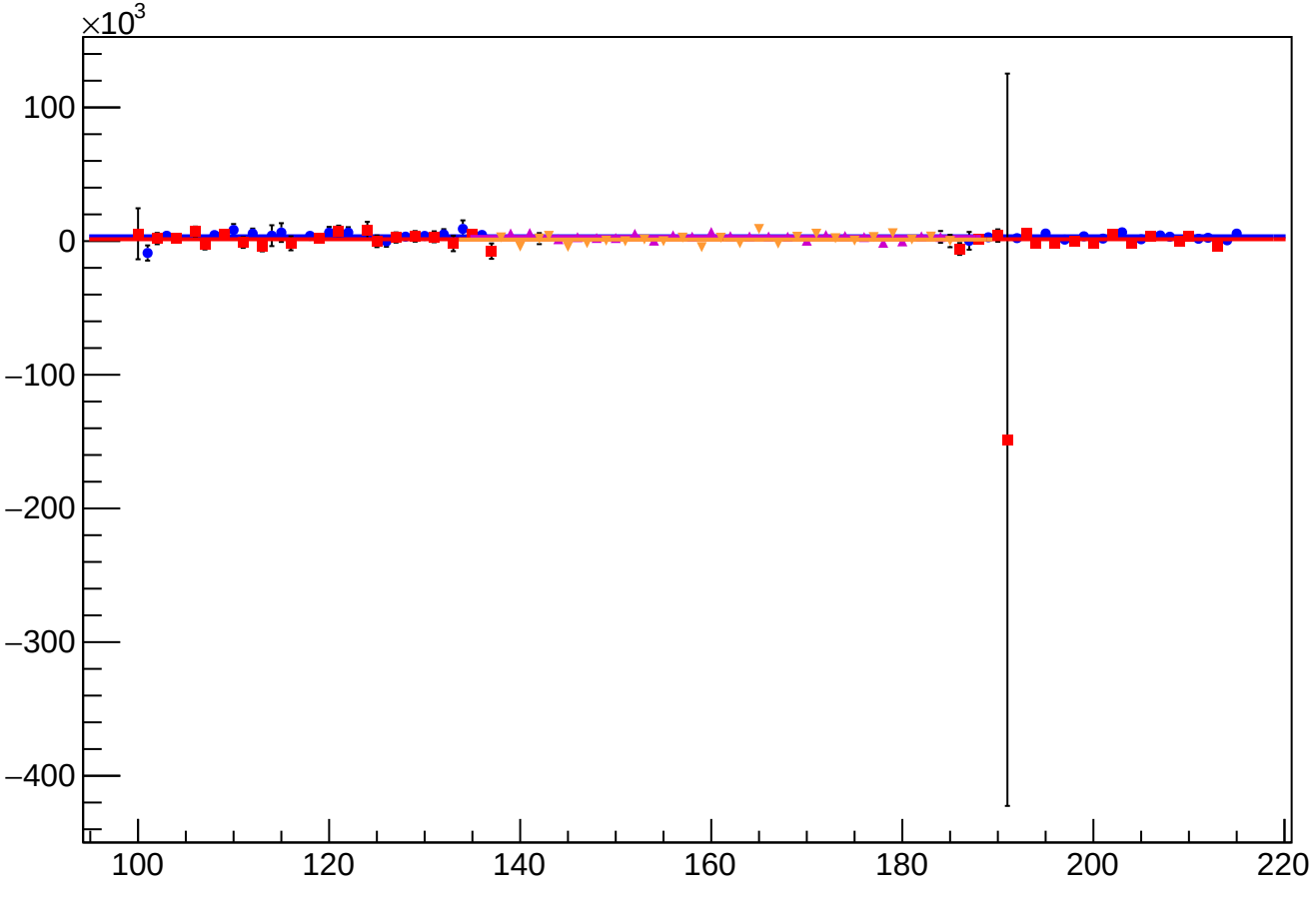
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9525.483+/-1.174 χ^2/NDF: 9754562.0/64

In: 9335.246+/-1.120 χ^2/NDF:5324007.1/53

Out: 8873.447+/-1.073 χ^2/NDF:7094653.2/58

All: 9094.450+/-0.775 χ^2/NDF: 12507284.0/



Right In: 3609.043+/-610.484 χ^2/NDF: 14.9/30

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1409.702+/-616.694 χ^2/NDF: 31.6/33

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

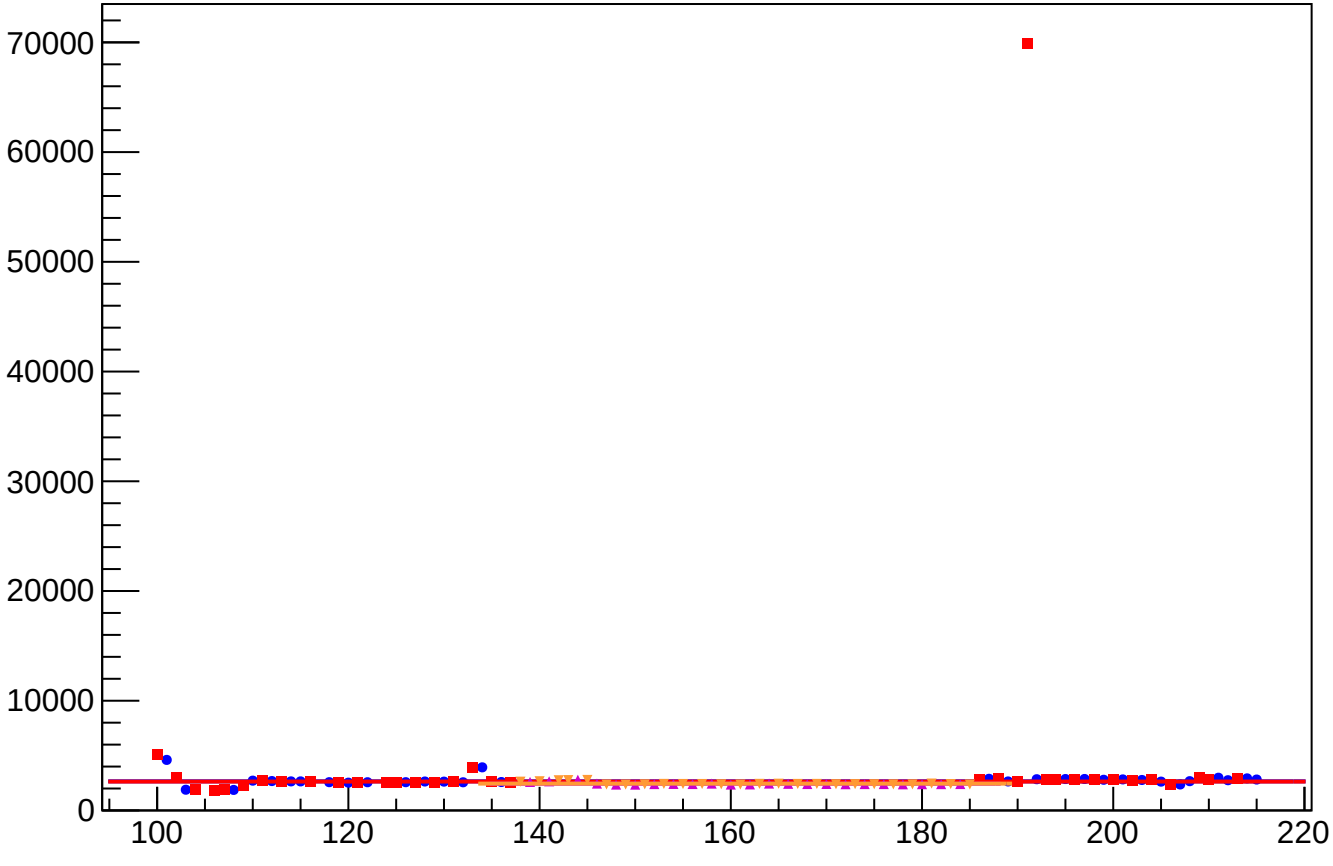
Right: 2520.502+/-433.856 χ^2/NDF: 52.9/64

In: 3361.999+/-416.324 χ^2/NDF:27.9/53

Out: 1287.822+/-413.046 χ^2/NDF:62.8/58

All: 2316.712+/-293.220 χ^2/NDF: 103.2/112

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2654.388+/-0.432 χ^2/NDF: 771400.8/30

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2633.614+/-0.436 χ^2/NDF: 803074.0/33

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

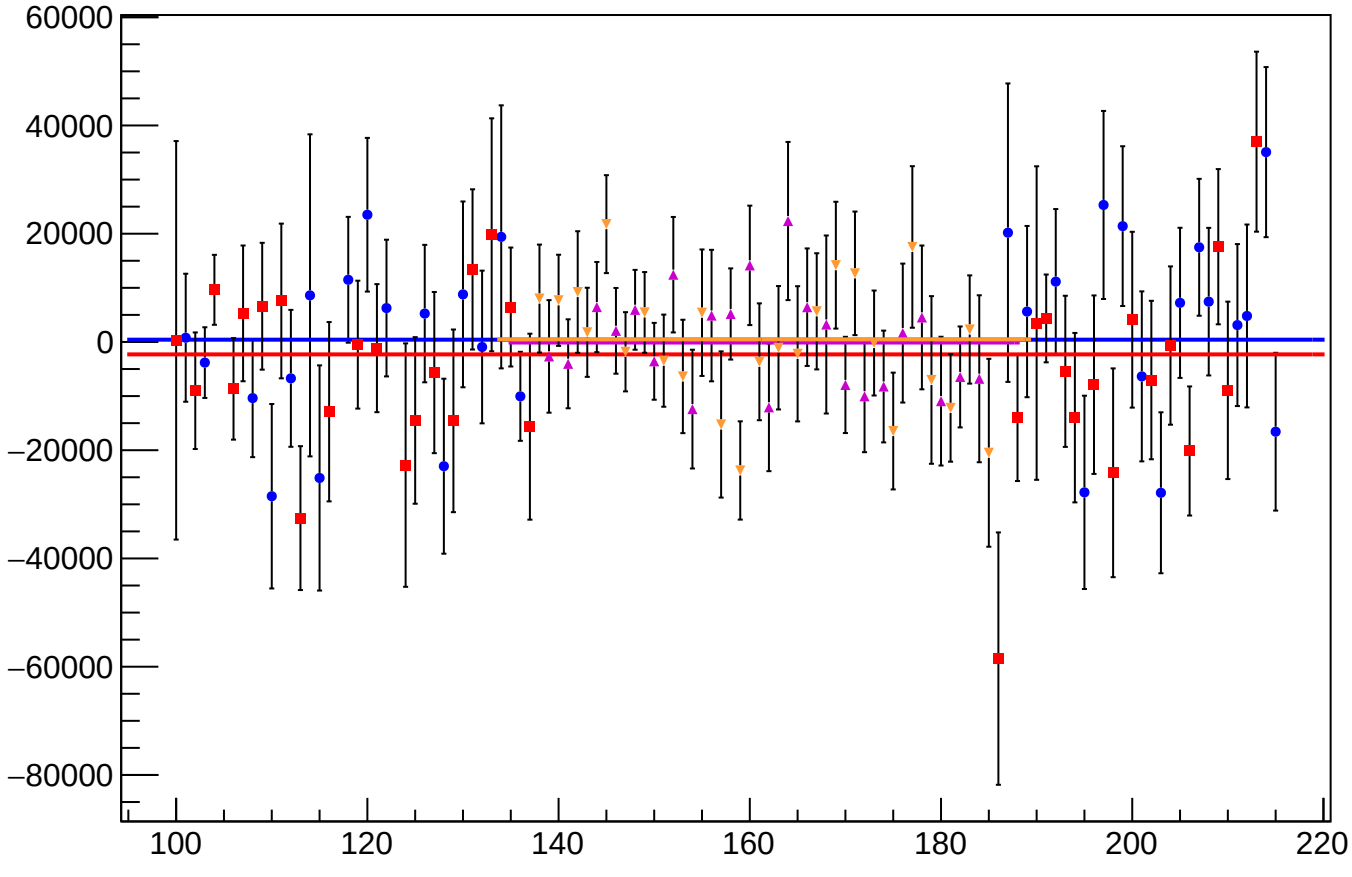
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2644.106+/-0.307 χ^2/NDF: 1575621.0/64

In: 2537.538+/-0.294 χ^2/NDF:967564.9/53

Out: 2530.067+/-0.292 χ^2/NDF:995347.0/58

All: 2533.773+/-0.207 χ^2/NDF: 1963236.5/11



Right In: 421.182+/-2427.107 χ^2/NDF: 34.9/30

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2294.940+/-2276.652 χ^2/NDF: 36.5/33

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

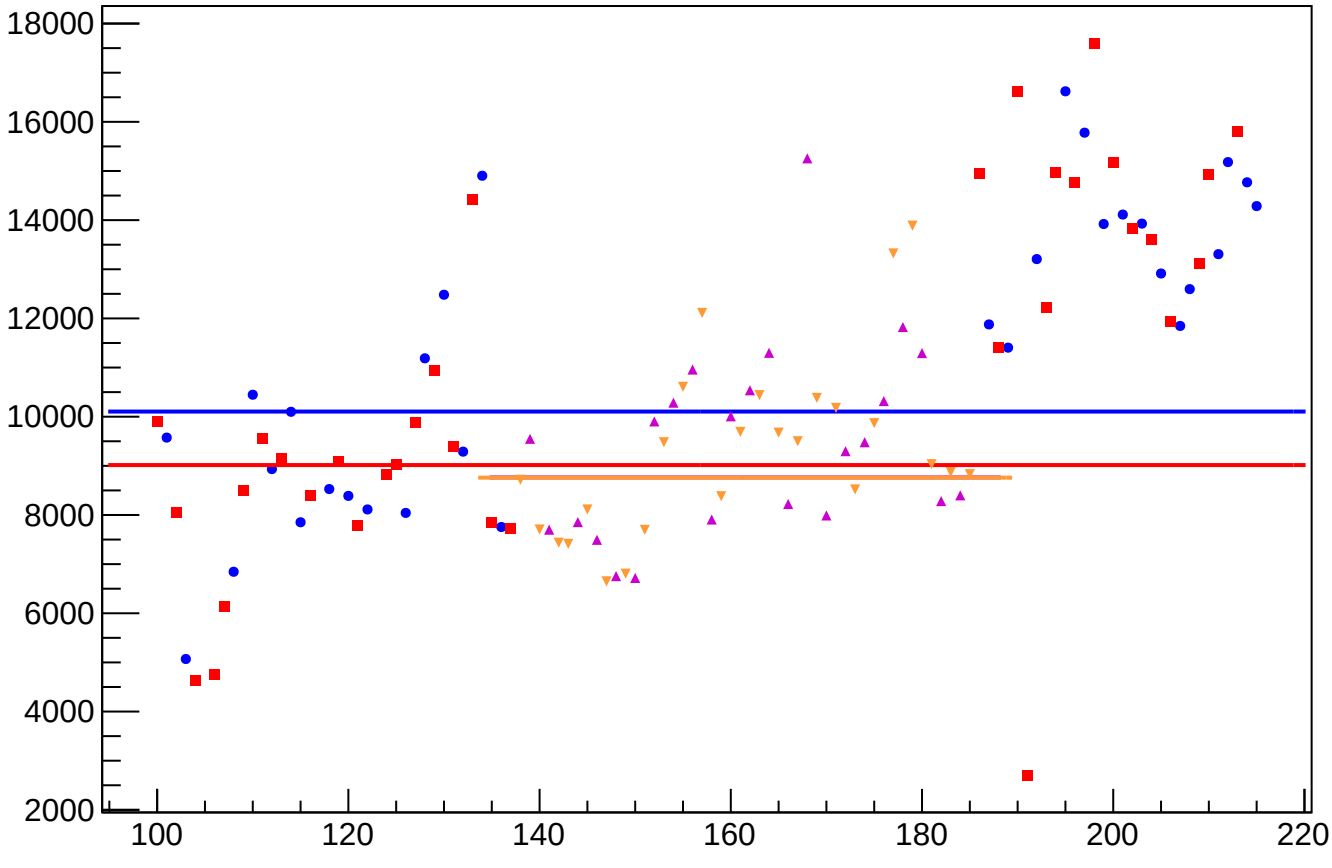
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1023.668+/-1660.479 χ^2/NDF: 72.1/64

In: 119.136+/-1584.130 χ^2/NDF:49.5/53

Out: -754.639+/-1517.630 χ^2/NDF:64.7/58

All: -336.476+/-1095.882 χ^2/NDF: 114.3/112



Right In: 10104.793+/-1.716 χ^2/NDF: 3682034.3/30

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9015.771+/-1.610 χ^2/NDF: 5858337.4/33

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

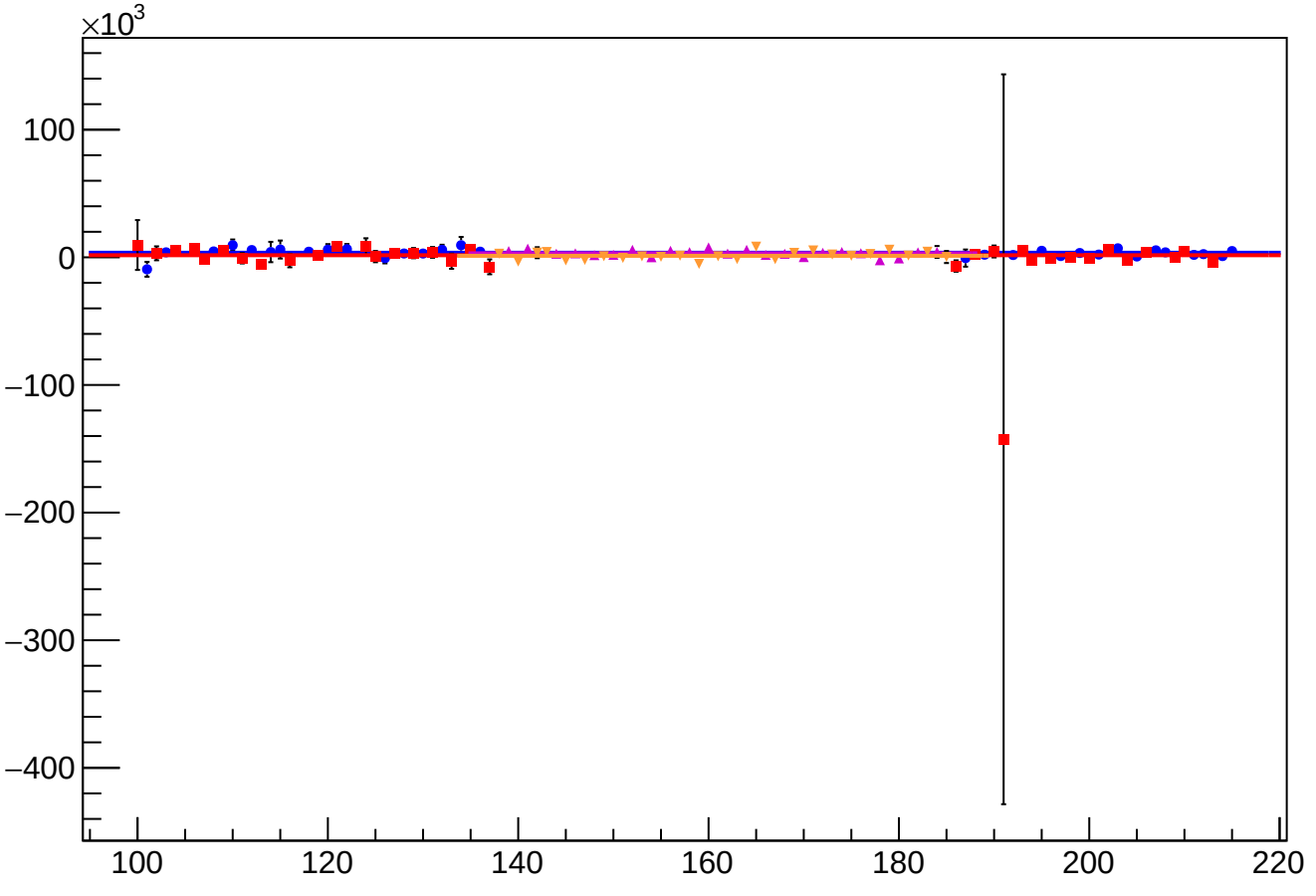
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9525.483+/-1.174 χ^2/NDF: 9754562.0/64

In: 9335.246+/-1.120 χ^2/NDF:5324007.1/53

Out: 8873.447+/-1.073 χ^2/NDF:7094653.2/58

All: 9094.450+/-0.775 χ^2/NDF: 12507284.0/1



Right In: 3587.820+/-626.609 χ^2/NDF: 16.7/30

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1648.285+/-635.926 χ^2/NDF: 35.8/33

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

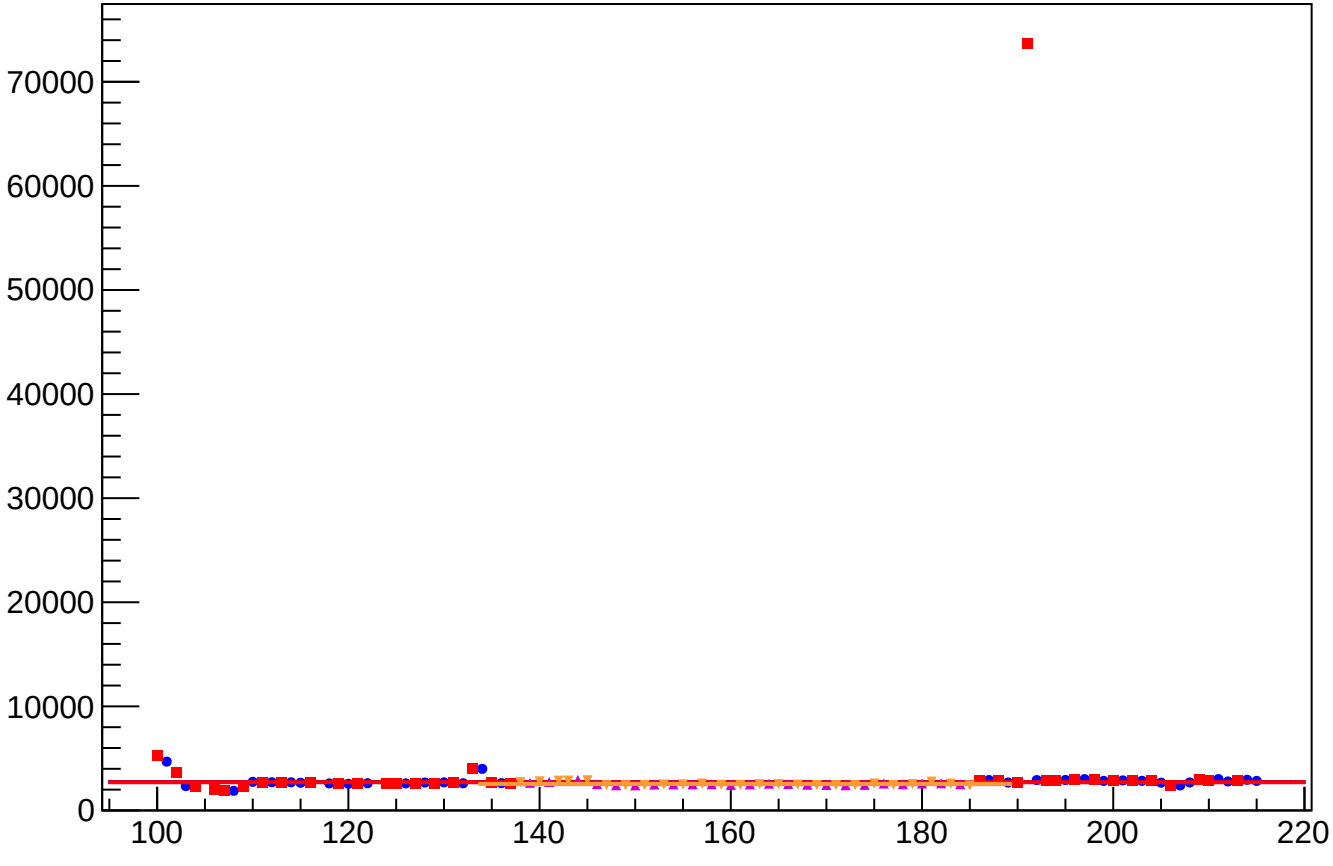
Right: 2632.364+/-446.337 χ^2/NDF: 57.2/64

In: 3356.669+/-430.367 χ^2/NDF:33.5/53

Out: 1411.028+/-428.408 χ^2/NDF:62.9/58

All: 2379.411+/-303.621 χ^2/NDF: 106.6/112

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2729.666+/-0.443 χ^2/NDF: 614431.8/30

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2715.248+/-0.450 χ^2/NDF: 696909.9/33

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

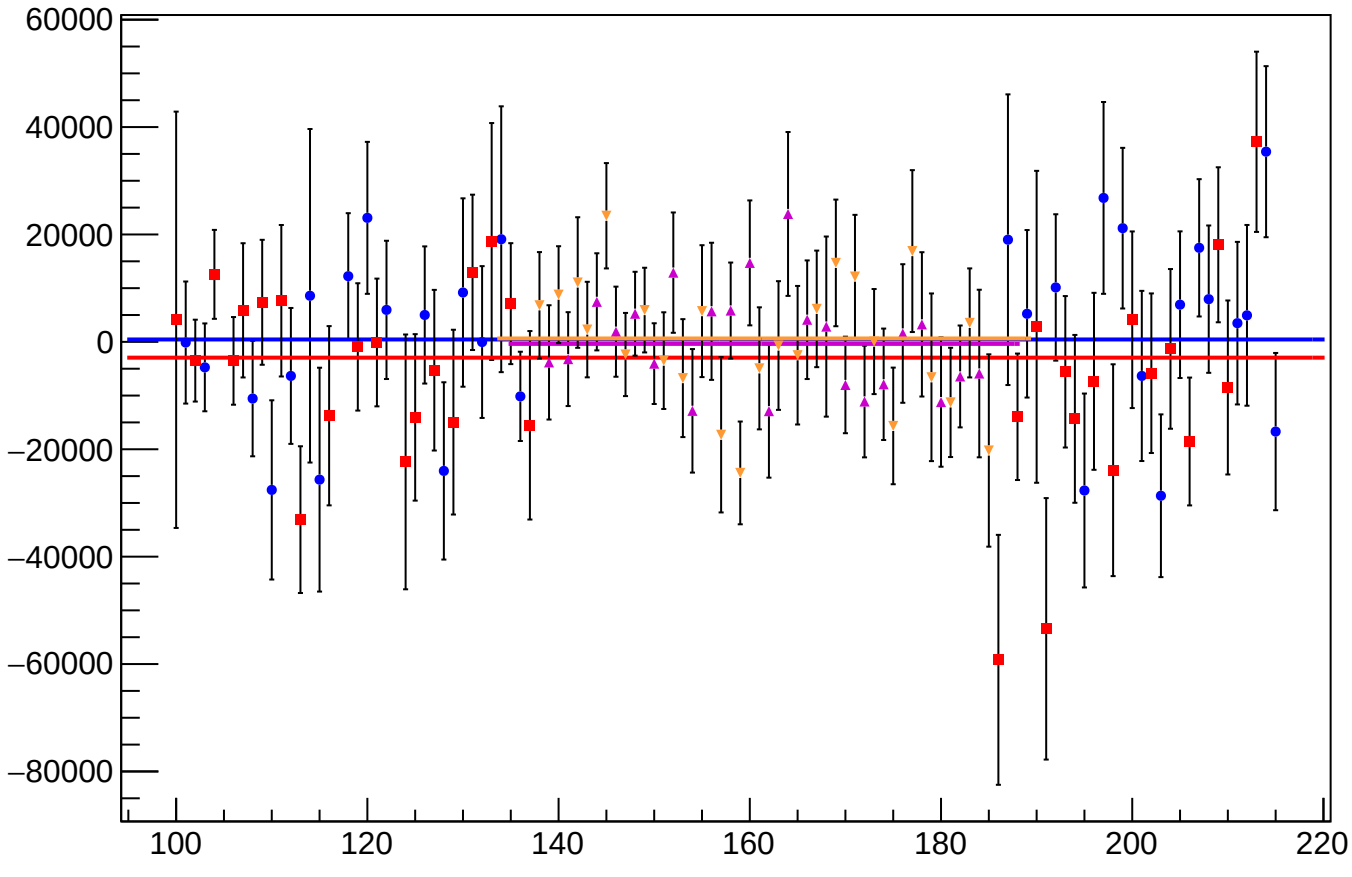
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2722.562+/-0.316 χ^2/NDF: 1311863.5/64

In: 2625.651+/-0.304 χ^2/NDF:787192.5/53

Out: 2623.463+/-0.303 χ^2/NDF:890550.1/58

All: 2624.552+/-0.215 χ^2/NDF: 1677768.5/11



Right In: 445.316+/-2499.072 χ^2/NDF: 34.8/30

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -2941.185+/-2354.218 χ^2/NDF: 38.7/33

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

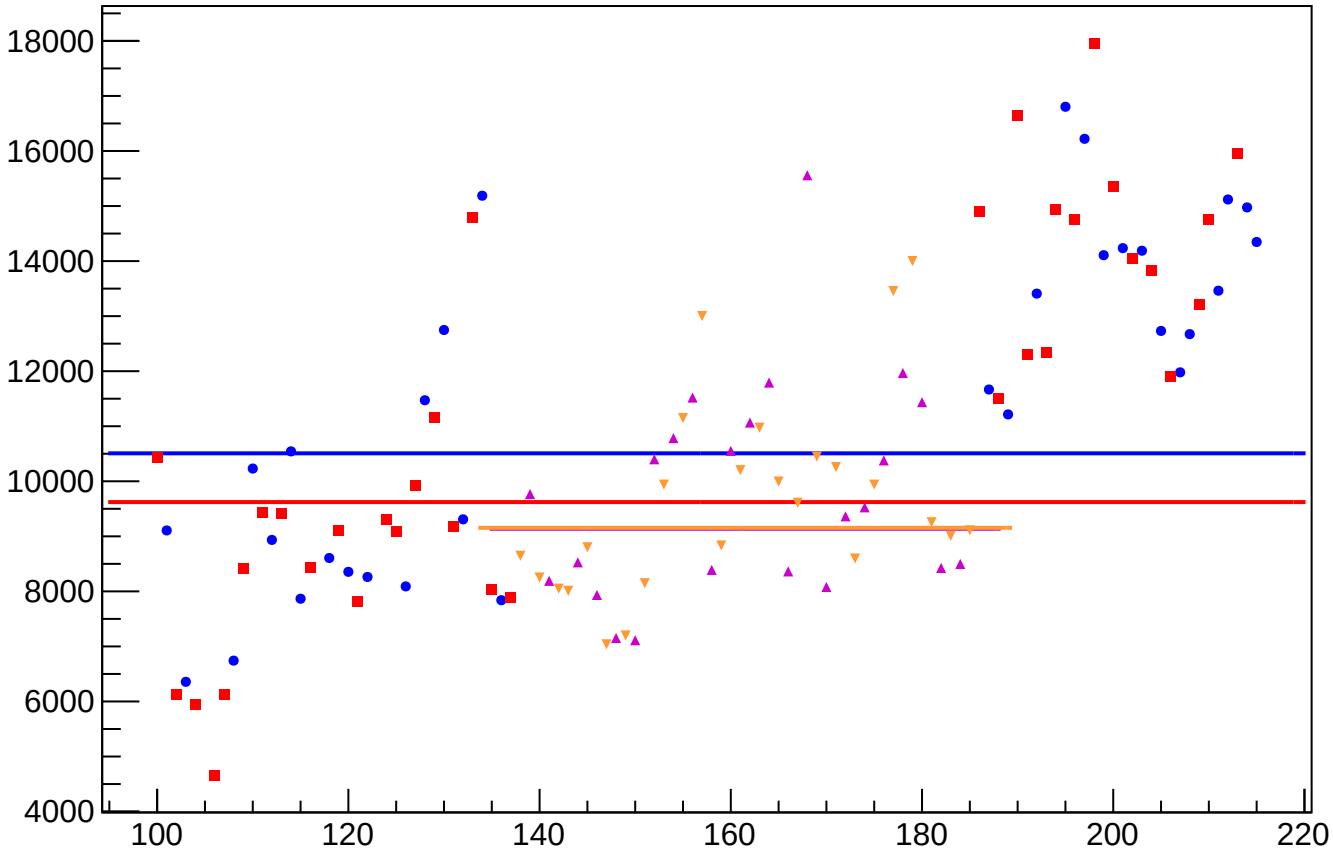
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -1348.920+/-1713.606 χ^2/NDF: 74.5/64

In: -22.859+/-1641.229 χ^2/NDF:49.1/53

Out: -970.989+/-1576.654 χ^2/NDF:66.6/58

All: -515.943+/-1137.006 χ^2/NDF: 115.9/112



Right In: 10507.951+/-1.767 χ^2/NDF: 2958056.6/30

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9622.165+/-1.665 χ^2/NDF: 4400588.7/33

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

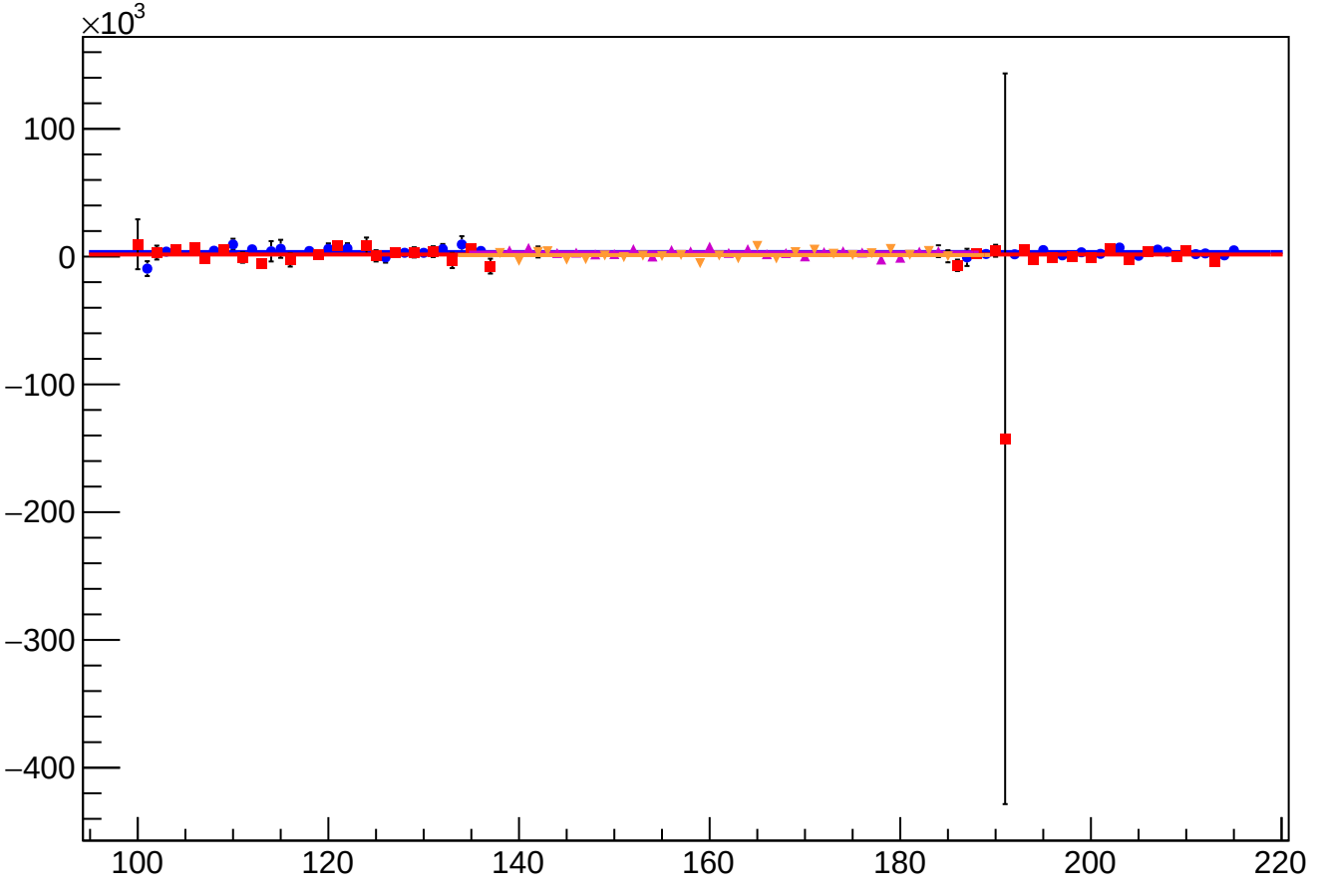
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 10038.644+/-1.212 χ^2/NDF: 7491770.0/64

In: 9728.621+/-1.161 χ^2/NDF:4472854.7/53

Out: 9364.360+/-1.115 χ^2/NDF:5516152.5/58

All: 9539.183+/-0.804 χ^2/NDF: 10040242.6/1



Right In: 3587.813+/-626.609 χ^2/NDF: 16.7/30

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1648.287+/-635.926 χ^2/NDF: 35.8/33

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

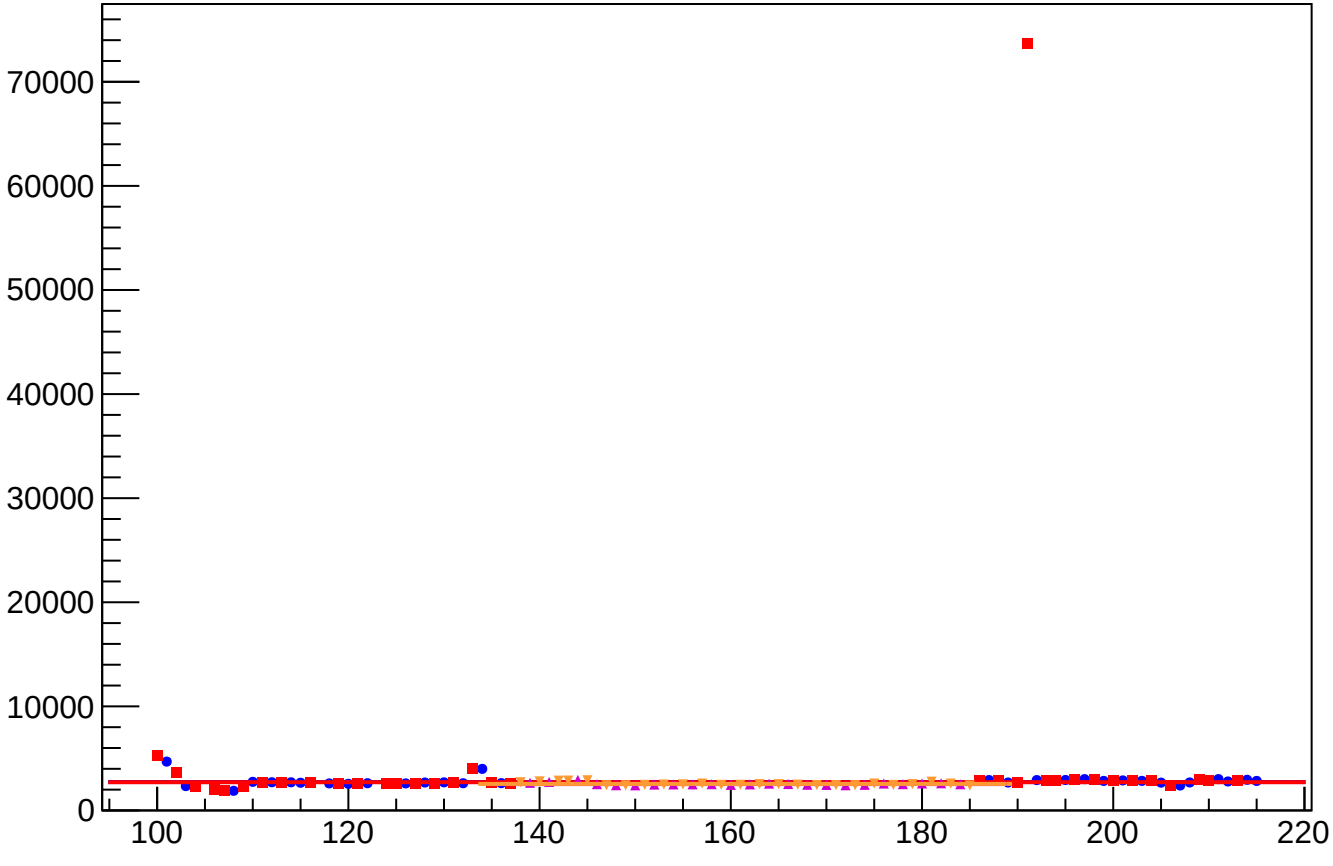
Right: 2632.362+/-446.337 χ^2/NDF: 57.2/64

In: 3356.665+/-430.367 χ^2/NDF:33.5/53

Out: 1411.023+/-428.409 χ^2/NDF:62.9/58

All: 2379.406+/-303.621 χ^2/NDF: 106.6/112

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2729.666+/-0.443 χ^2/NDF: 614432.7/30

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2715.248+/-0.450 χ^2/NDF: 696909.8/33

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

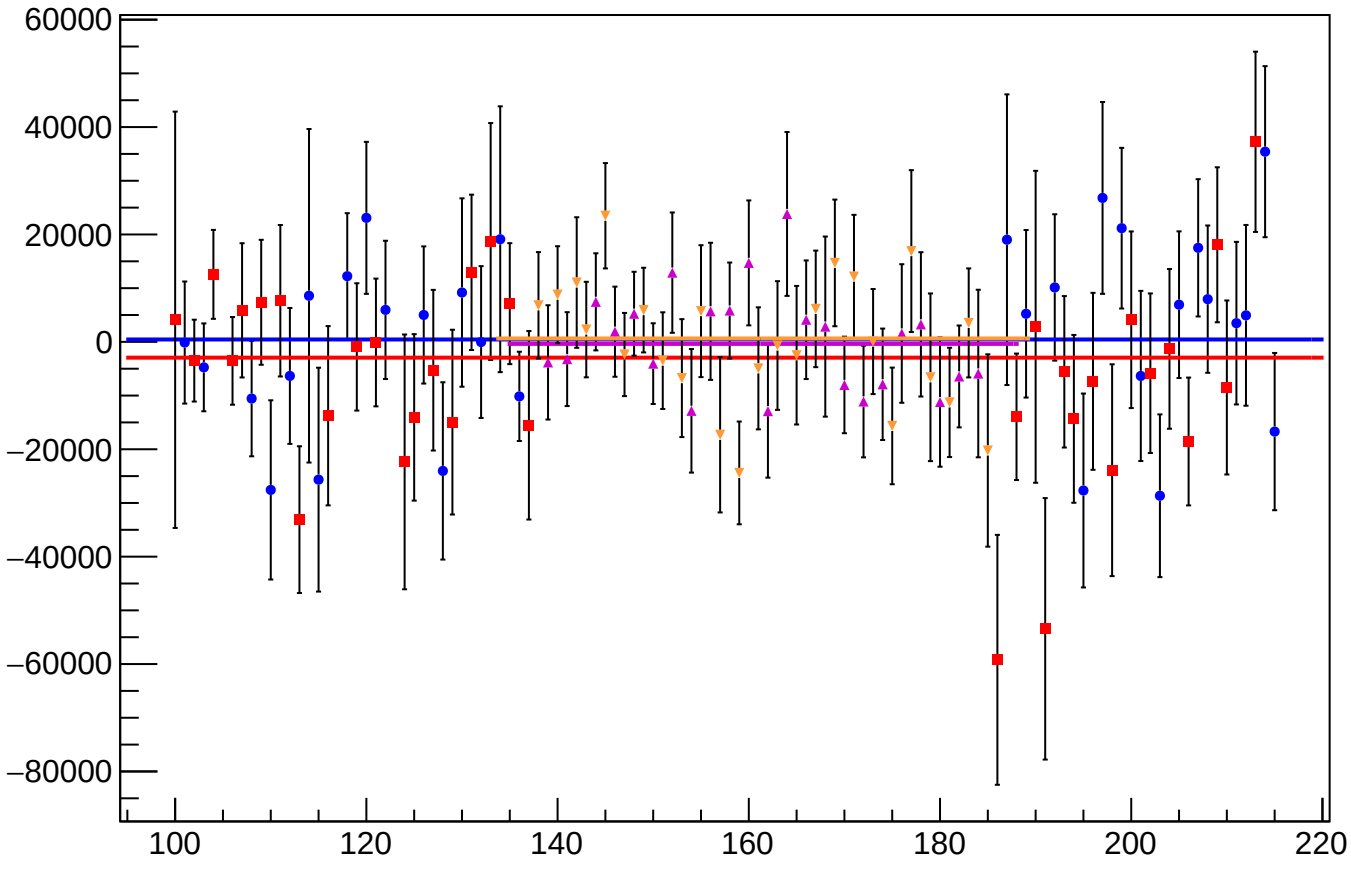
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2722.561+/-0.316 χ^2/NDF: 1311864.2/64

In: 2625.652+/-0.304 χ^2/NDF:787190.7/53

Out: 2623.464+/-0.303 χ^2/NDF:890548.4/58

All: 2624.553+/-0.215 χ^2/NDF: 1677765.0/11



Right In: 445.330+/-2499.072 χ^2/NDF: 34.8/30

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -2941.177+/-2354.217 χ^2/NDF: 38.7/33

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

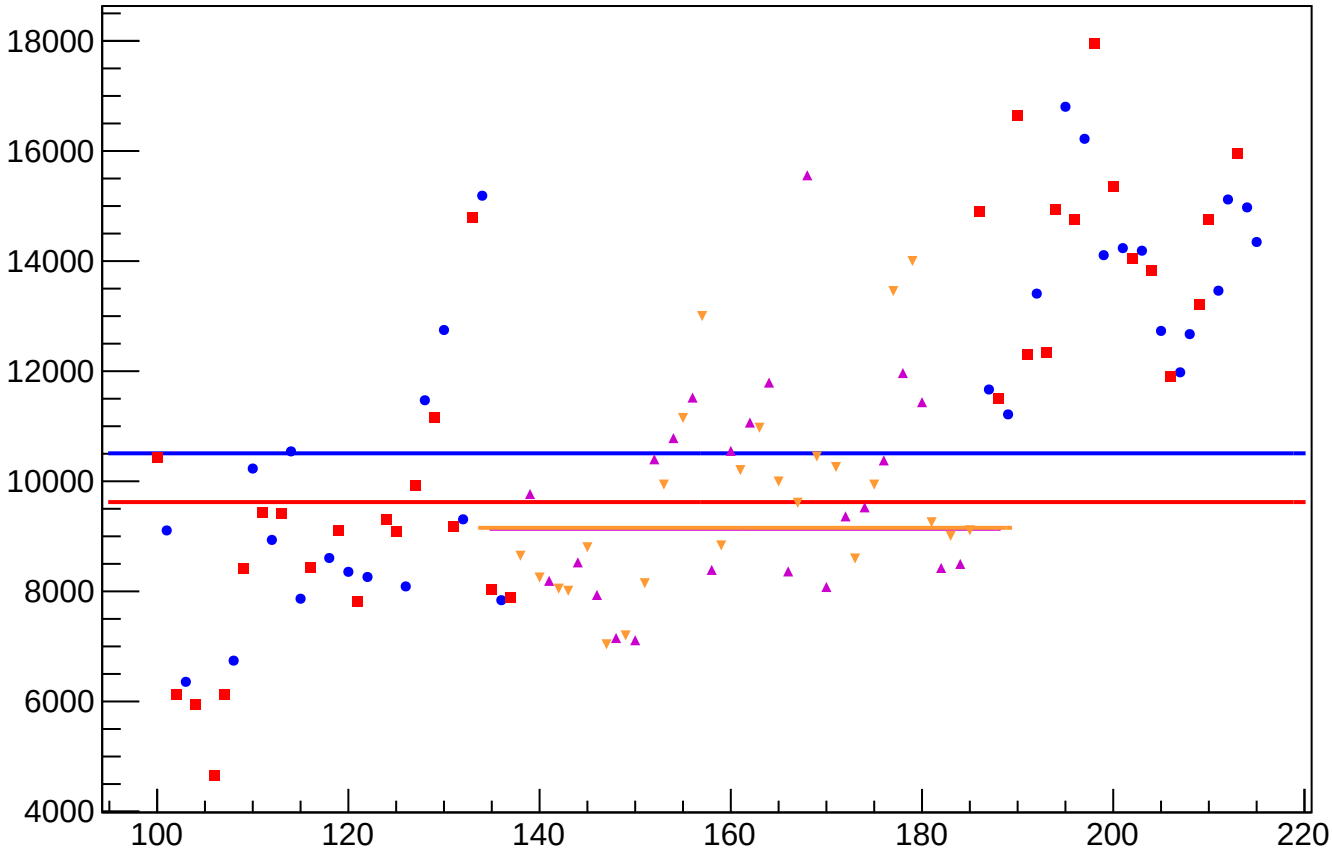
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -1348.910+/-1713.605 χ^2/NDF: 74.5/64

In: -22.855+/-1641.230 χ^2/NDF:49.1/53

Out: -970.992+/-1576.655 χ^2/NDF:66.6/58

All: -515.942+/-1137.007 χ^2/NDF: 115.9/112



Right In: 10507.946+/-1.767 χ^2/NDF: 2958073.8/30

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9622.155+/-1.665 χ^2/NDF: 4400610.4/33

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

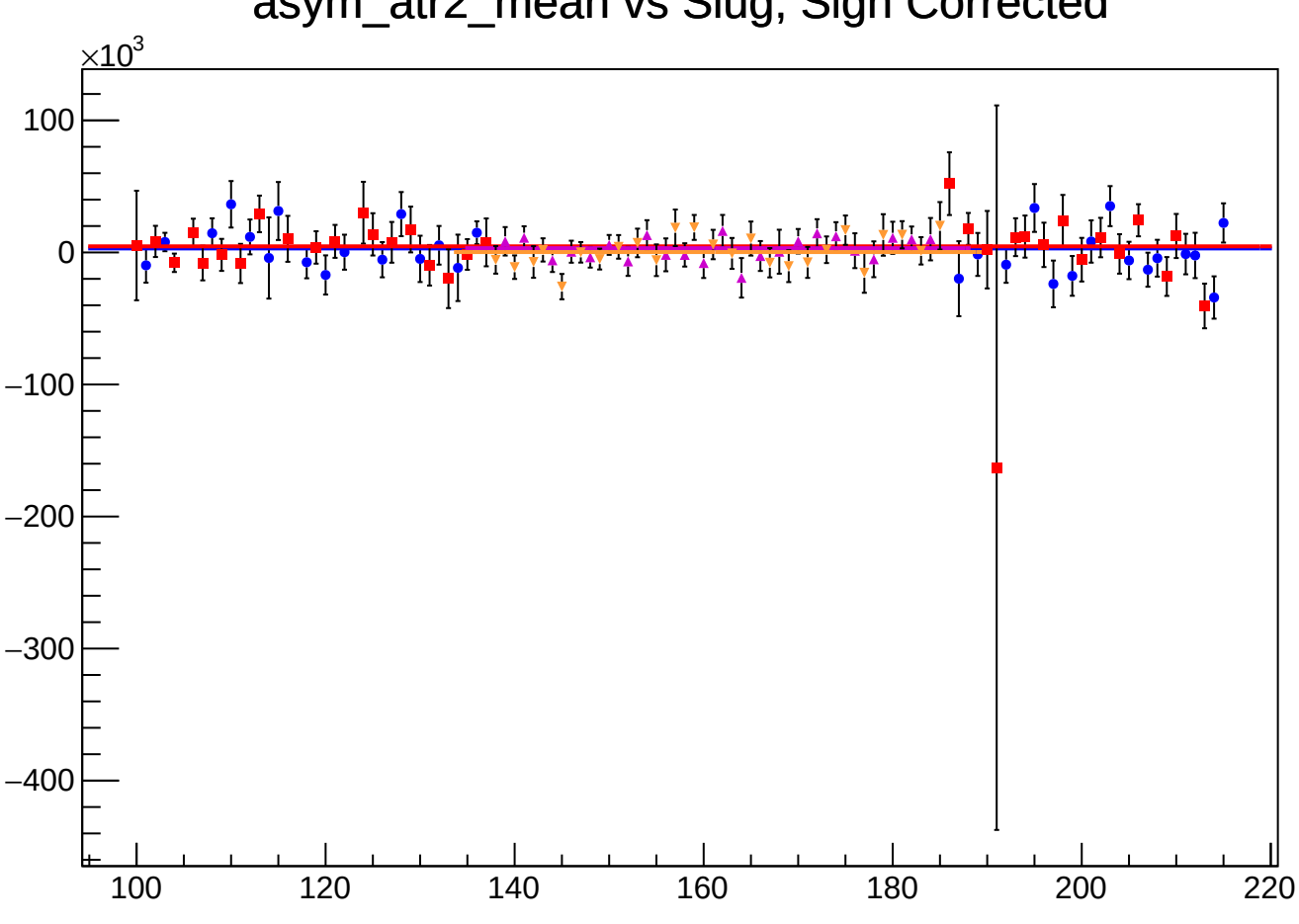
Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

Right: 10038.636+/-1.212 χ^2/NDF: 7491810.5/64

In: 9728.628+/-1.161 χ^2/NDF:4472865.8/53

Out: 9364.364+/-1.115 χ^2/NDF:5516171.5/58

All: 9539.189+/-0.804 χ^2/NDF: 10040273.5/1



Right In: 3049.041+/-2526.031 χ^2/NDF: 38.8/30

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 4620.076+/-2484.132 χ^2/NDF: 34.2/33

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

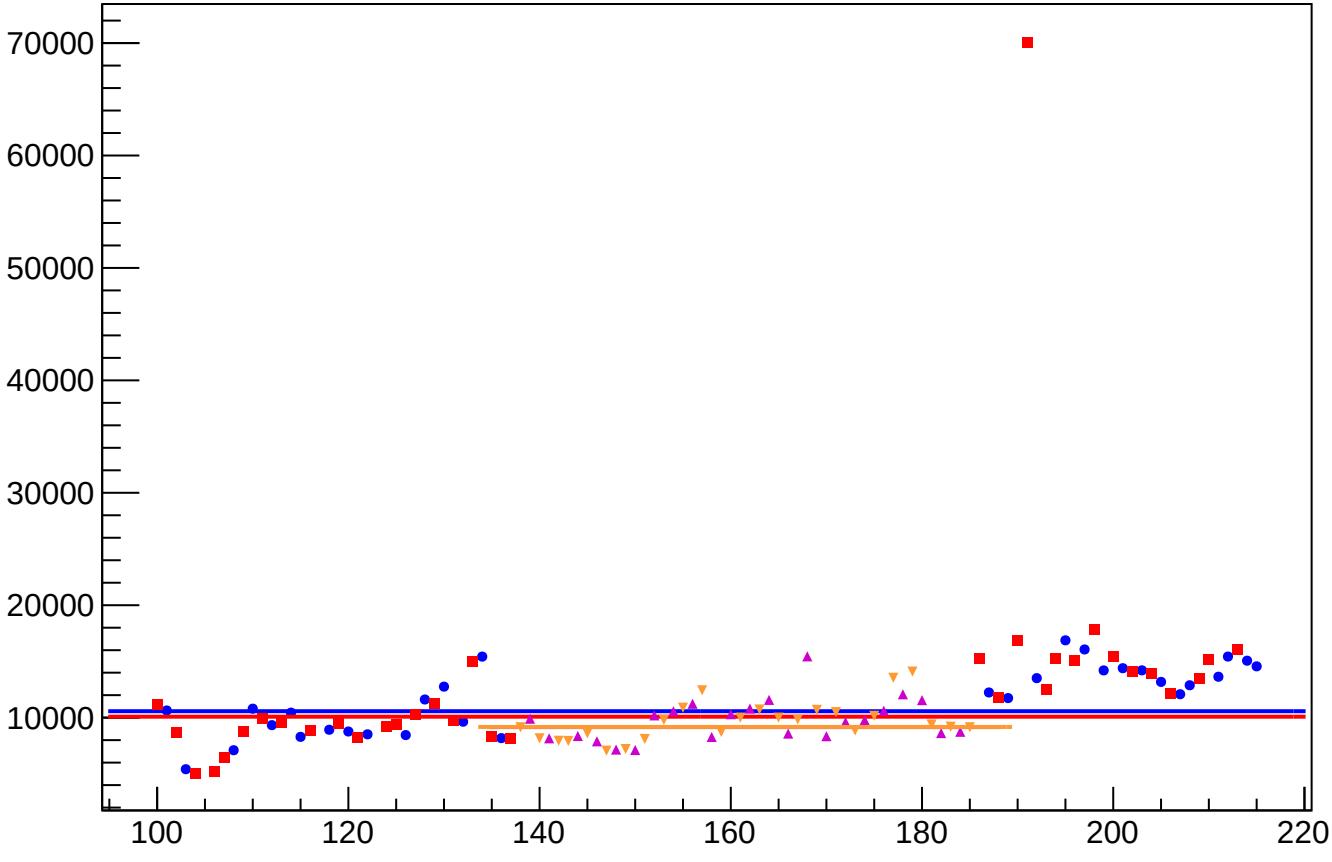
Right: 3847.696+/-1771.174 χ^2/NDF: 73.2/64

In: 3154.863+/-1650.315 χ^2/NDF:52.4/53

Out: 2122.975+/-1614.955 χ^2/NDF:62.3/58

All: 2627.746+/-1154.244 χ^2/NDF: 114.9/112

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10571.374+/-1.786 χ^2/NDF: 3343612.2/30

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 10085.102+/-1.757 χ^2/NDF: 4160601.1/33

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

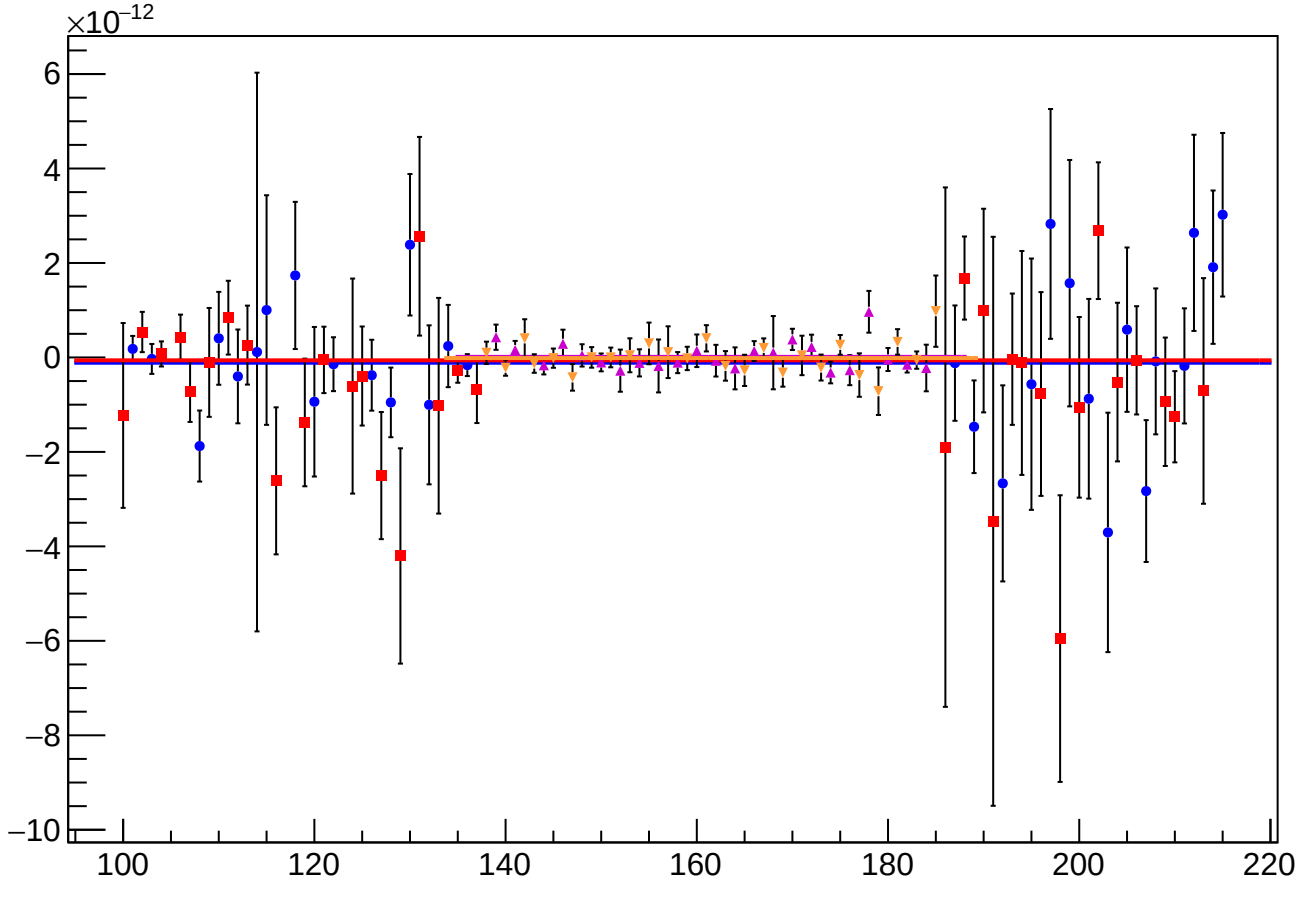
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10324.167+/-1.252 χ^2/NDF: 7541891.9/64

In: 9763.723+/-1.167 χ^2/NDF:4827857.6/53

Out: 9558.400+/-1.142 χ^2/NDF:5373284.2/58

All: 9658.838+/-0.816 χ^2/NDF: 10216956.1/1



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/33

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

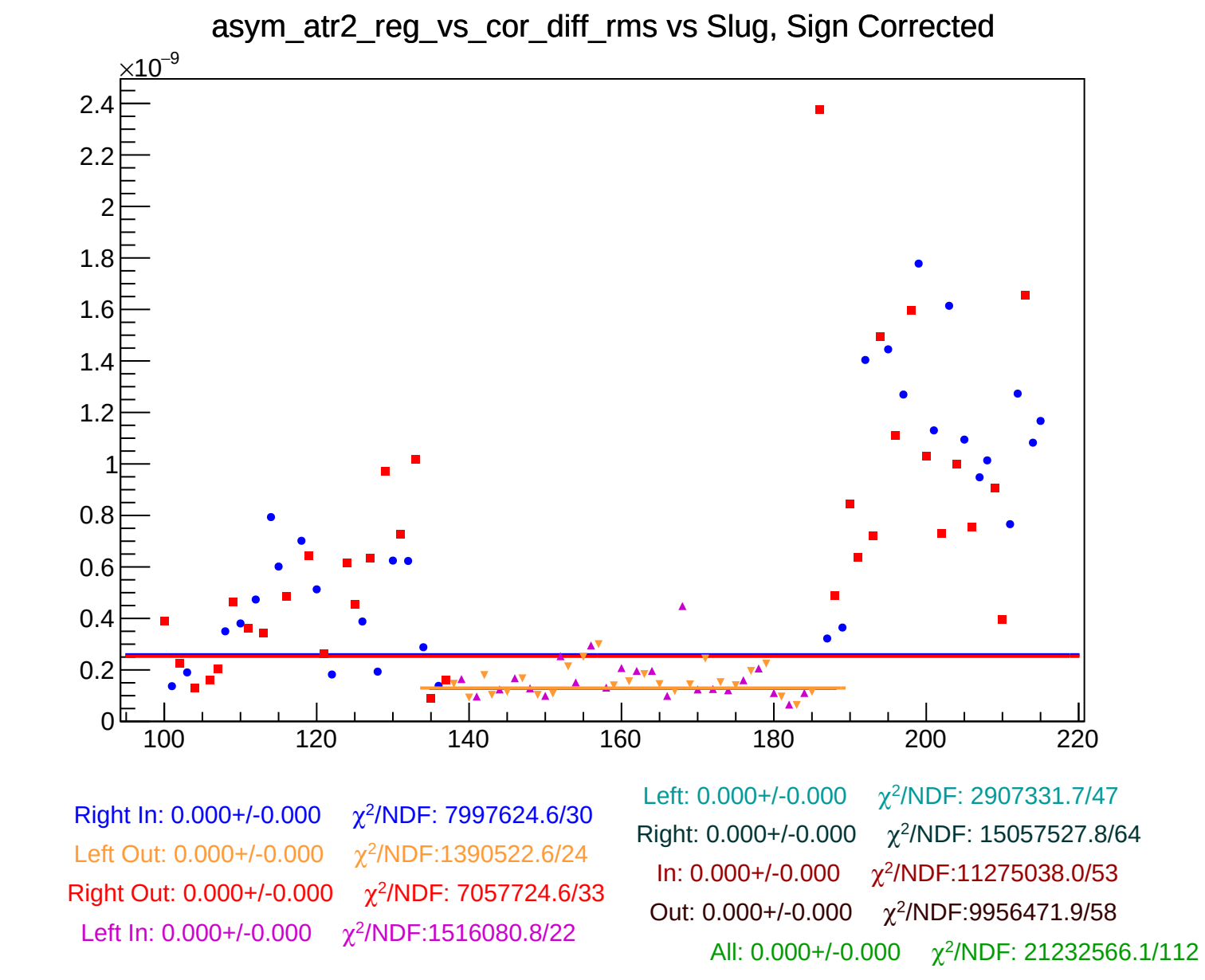
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

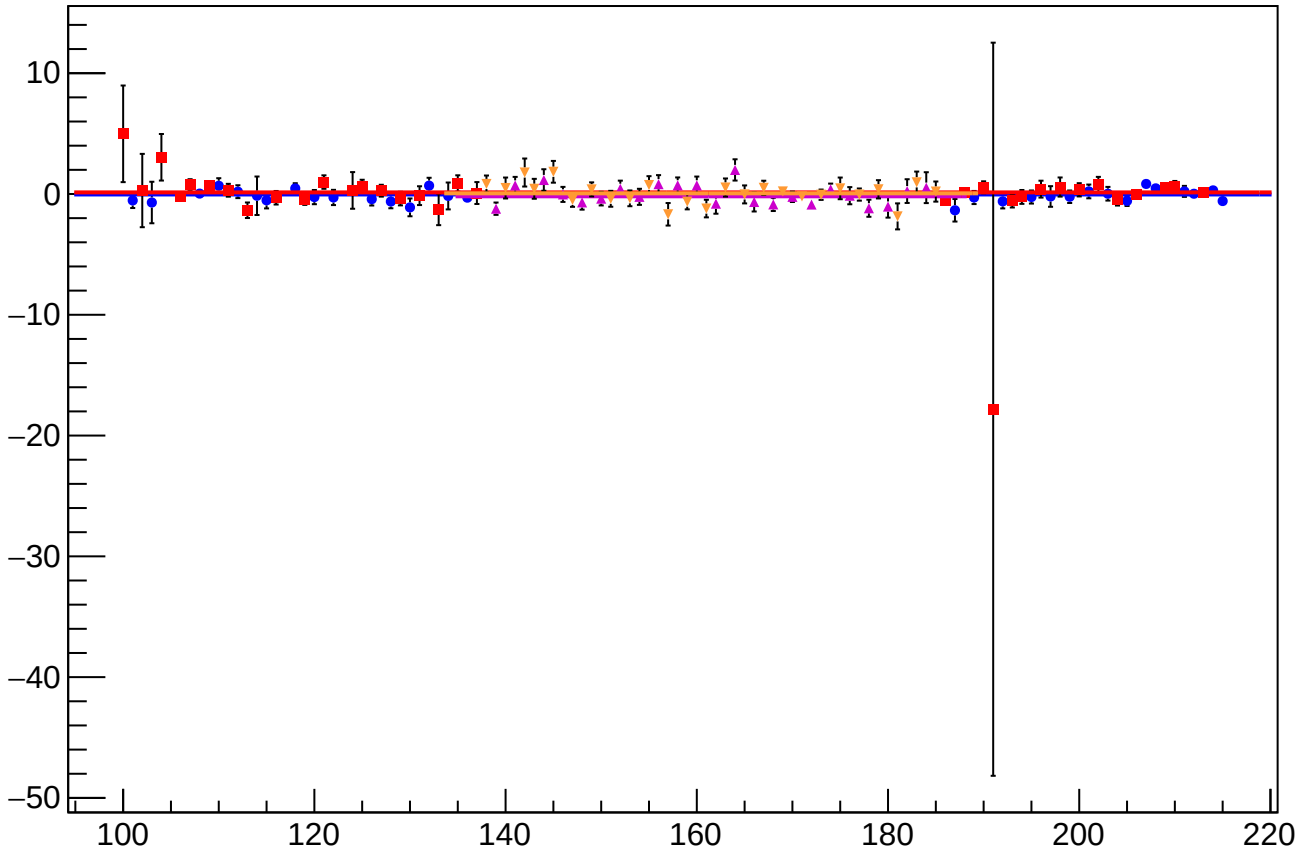
Right: -0.000+/-0.000 χ^2/NDF: 65.3/64

In: -0.000+/-0.000 χ^2/NDF:51.1/53

Out: -0.000+/-0.000 χ^2/NDF:53.6/58

All: -0.000+/-0.000 χ^2/NDF: 104.7/112


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: 7997624.6/30
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 7057724.6/33
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 15057527.8/64
In: 0.000+/-0.000 χ²/NDF:11275038.0/53
Out: 0.000+/-0.000 χ²/NDF:9956471.9/58
All: 0.000+/-0.000 χ²/NDF: 21232566.1/112



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.133+/-0.086 χ^2/NDF: 36.8/33

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

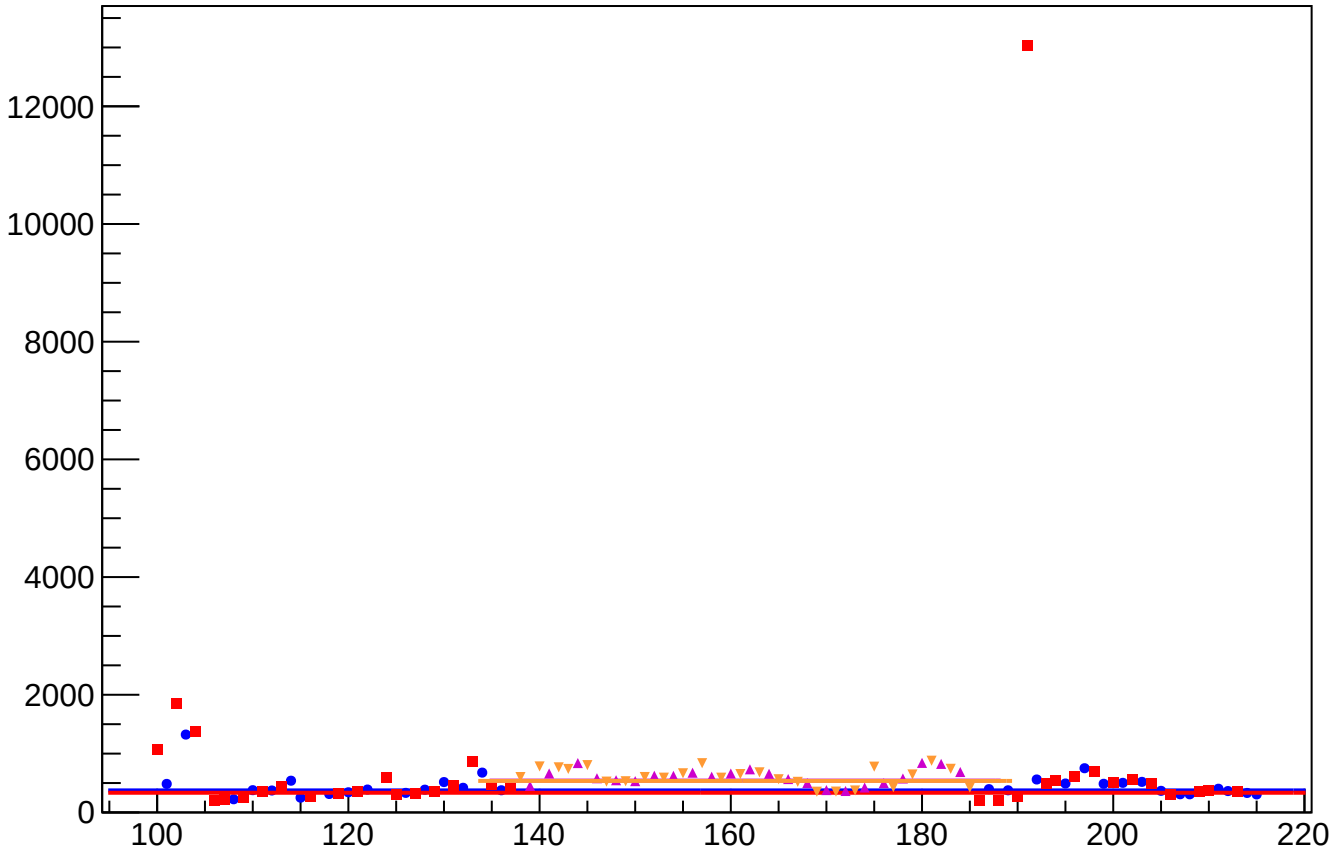
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.051+/-0.063 χ^2/NDF: 67.0/64

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.015+/-0.052 χ^2/NDF: 125.6/112



Right In: 374.785+/-0.064 χ^2/NDF: 2689168.0/30

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 334.878+/-0.061 χ^2/NDF: 5508416.1/33

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

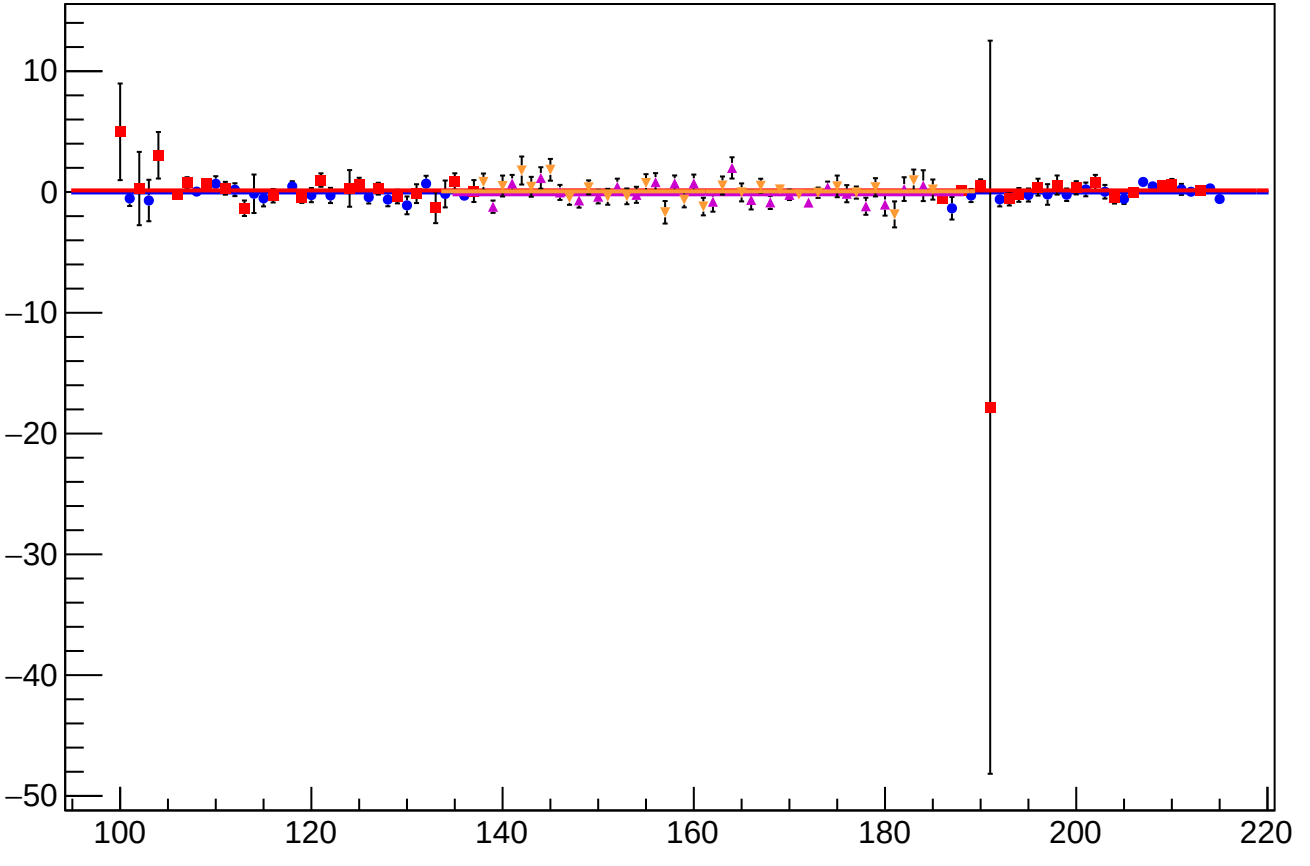
Right: 353.878+/-0.044 χ^2/NDF: 8400769.9/64

In: 427.352+/-0.053 χ^2/NDF:6719457.1/53

Out: 396.802+/-0.051 χ^2/NDF:11594570.5/58

All: 411.443+/-0.037 χ^2/NDF: 18487234.5/11

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.133+/-0.086 χ^2/NDF: 36.8/33

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

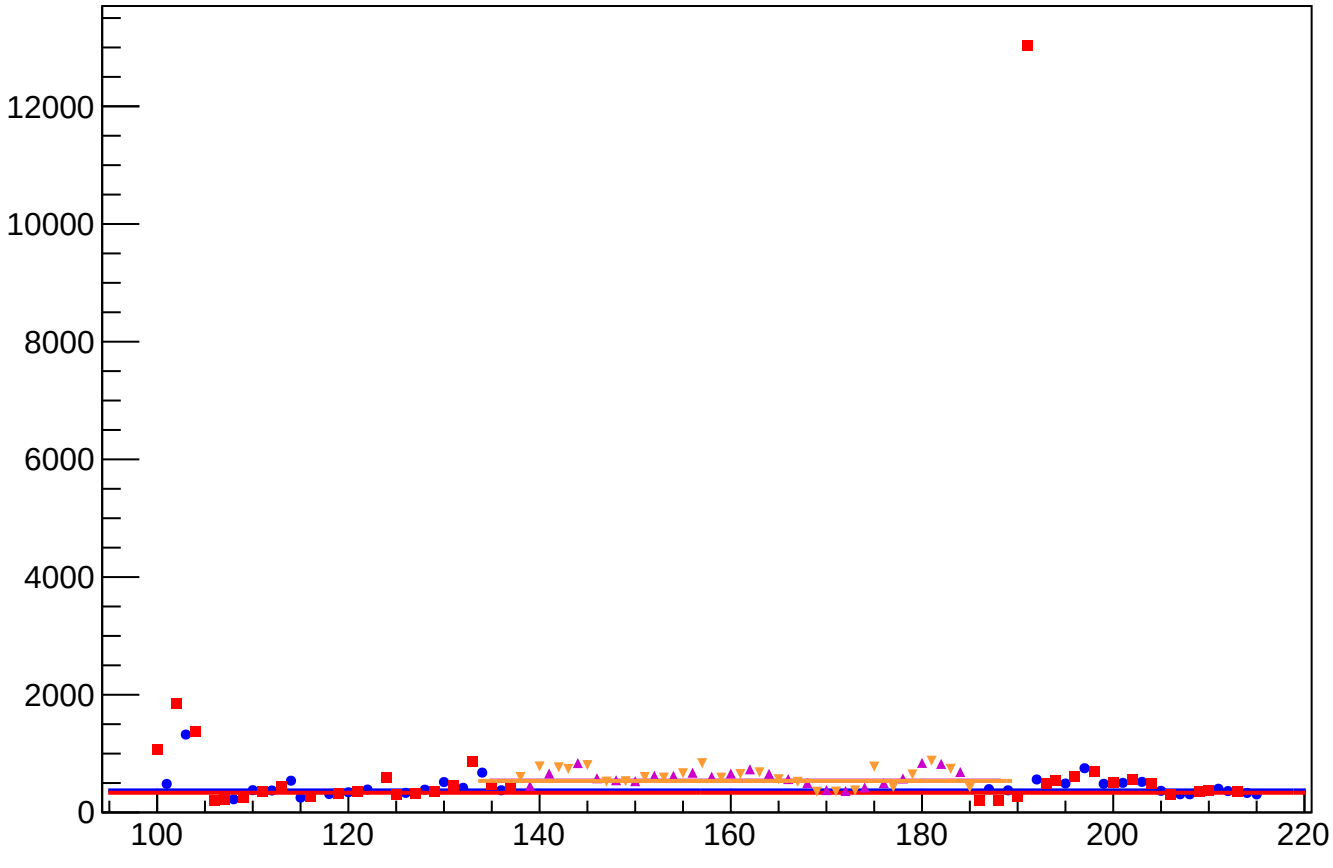
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.051+/-0.063 χ^2/NDF: 67.0/64

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.015+/-0.052 χ^2/NDF: 125.6/112



Right In: 374.785+/-0.064 χ^2/NDF: 2689168.0/30

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 334.878+/-0.061 χ^2/NDF: 5508416.1/33

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

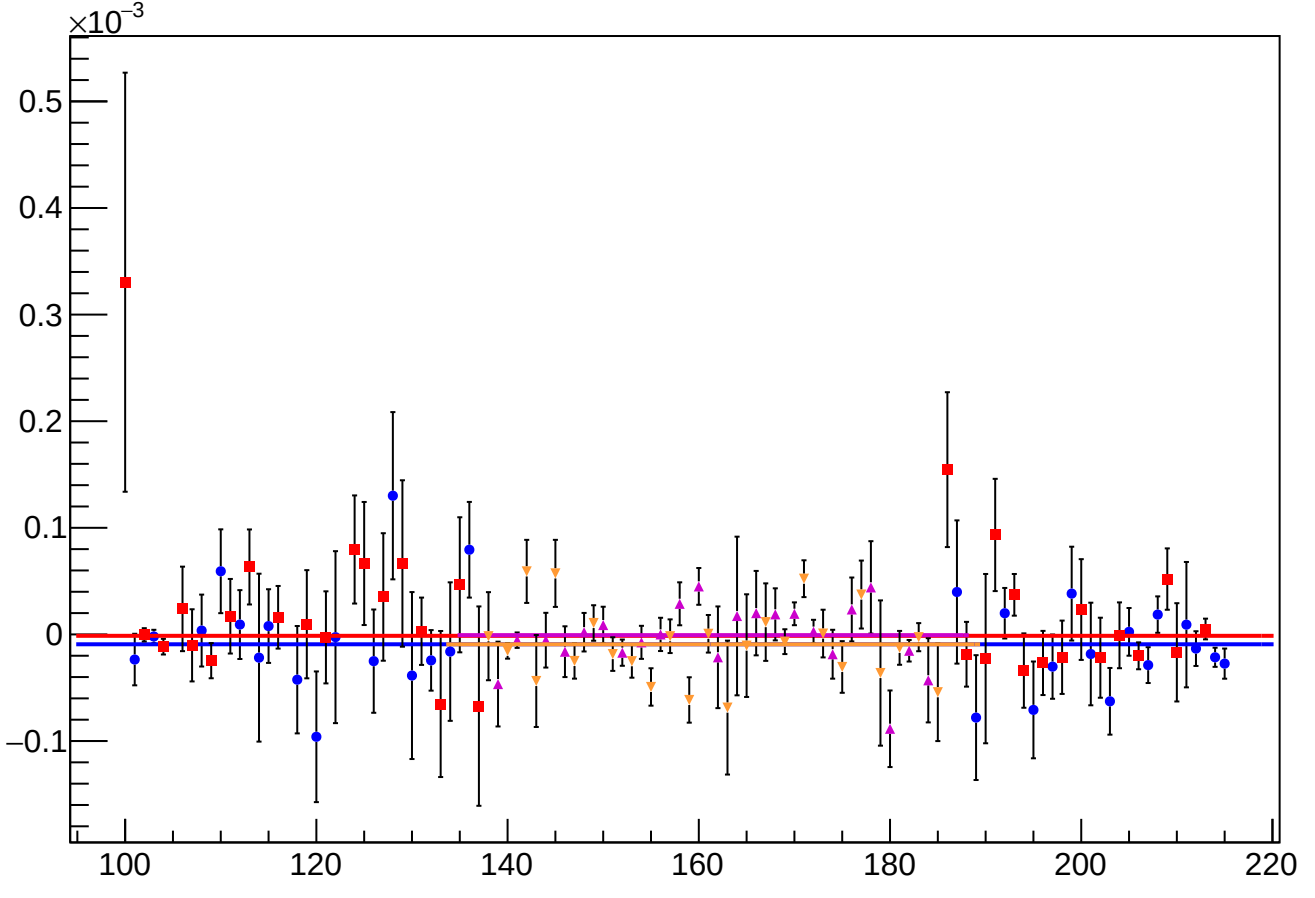
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 353.878+/-0.044 χ^2/NDF: 8400769.9/64

In: 427.352+/-0.053 χ^2/NDF:6719457.1/53

Out: 396.802+/-0.051 χ^2/NDF:11594570.5/58

All: 411.443+/-0.037 χ^2/NDF: 18487234.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.1/33

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

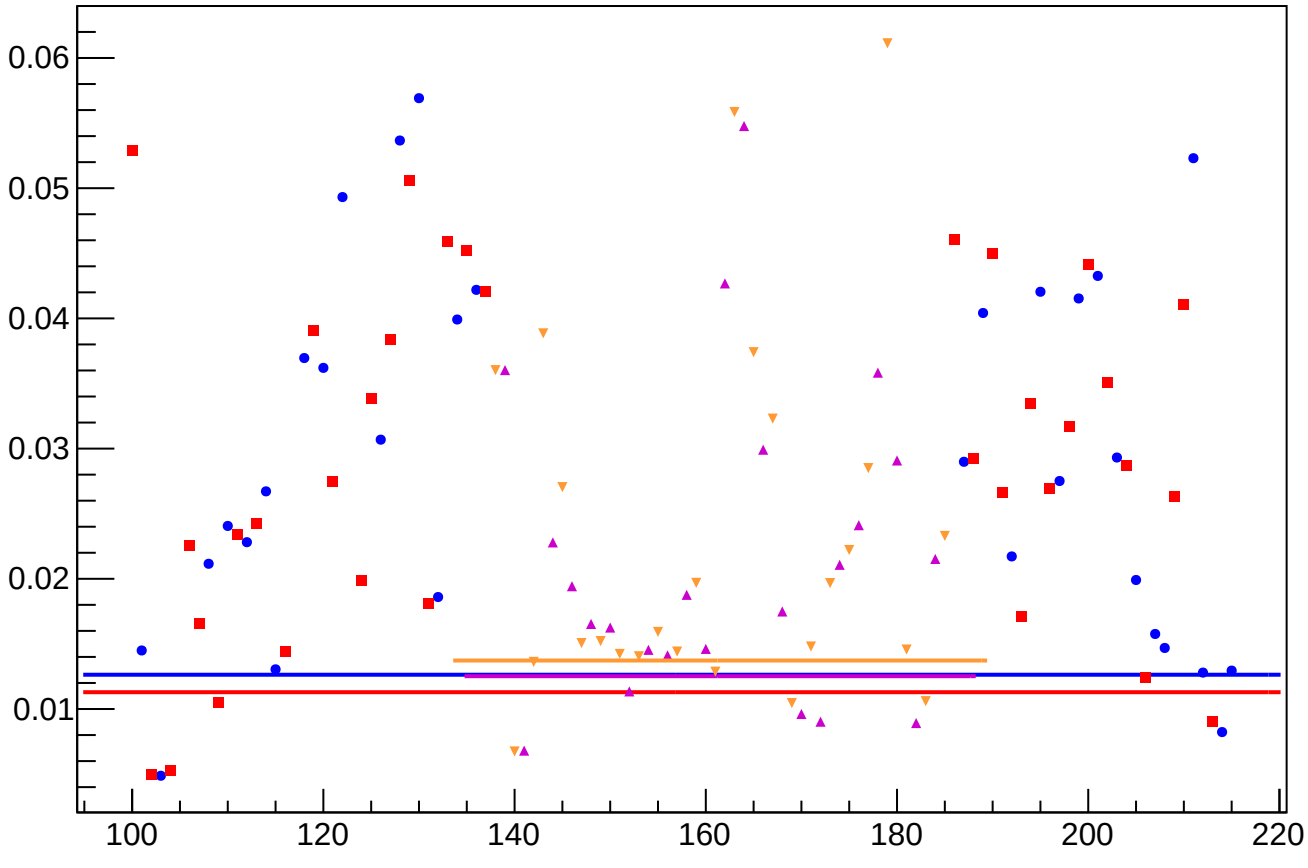
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 74.9/64

In: -0.000+/-0.000 χ^2/NDF:66.1/53

Out: -0.000+/-0.000 χ^2/NDF:86.8/58

All: -0.000+/-0.000 χ^2/NDF: 153.0/112



Right In: 0.013+/-0.000 χ^2/NDF: 13718274.7/30

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 15604010.2/33

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

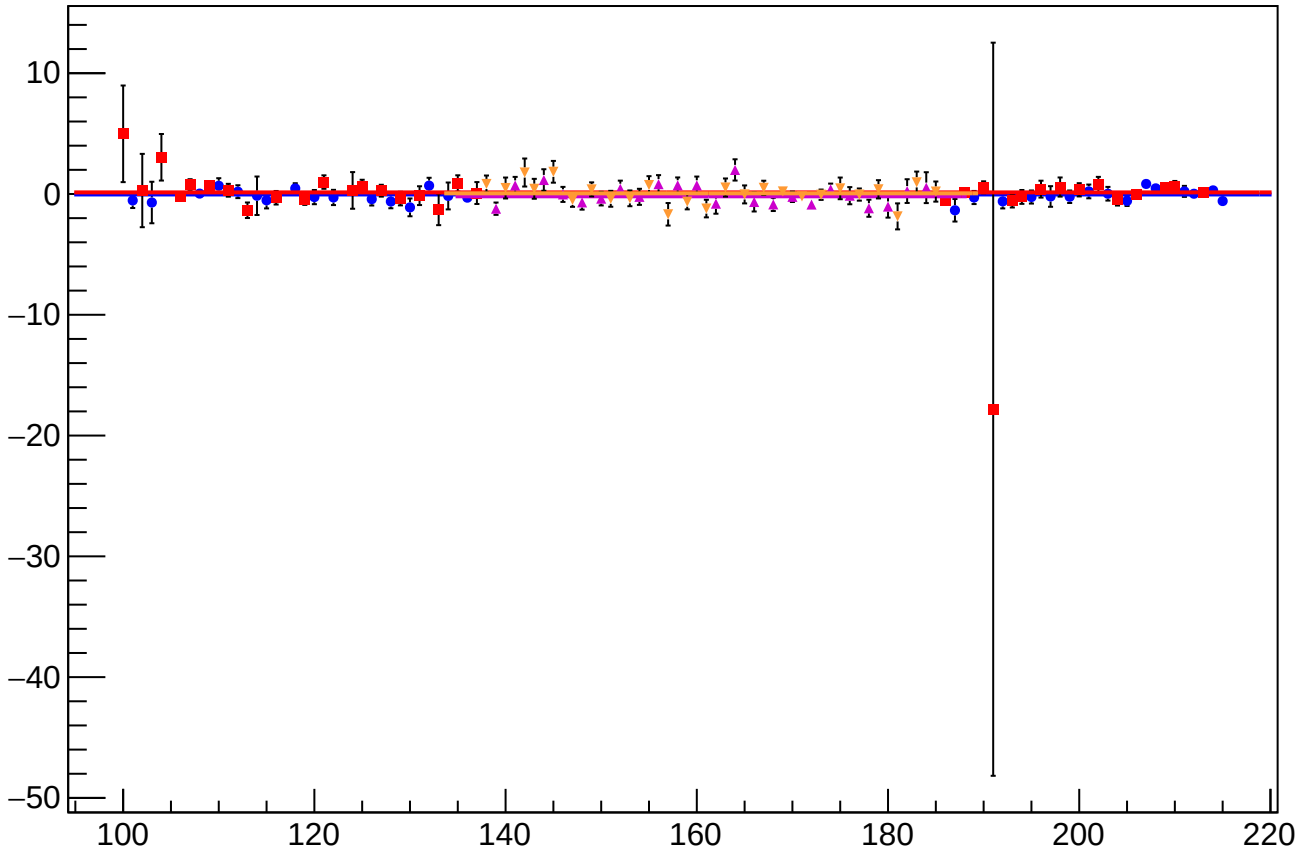
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 29460239.3/64

In: 0.013+/-0.000 χ^2/NDF:20840783.0/53

Out: 0.012+/-0.000 χ^2/NDF:23797569.2/58

All: 0.013+/-0.000 χ^2/NDF: 44640402.9/112



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.133+/-0.086 χ^2/NDF: 36.8/33

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

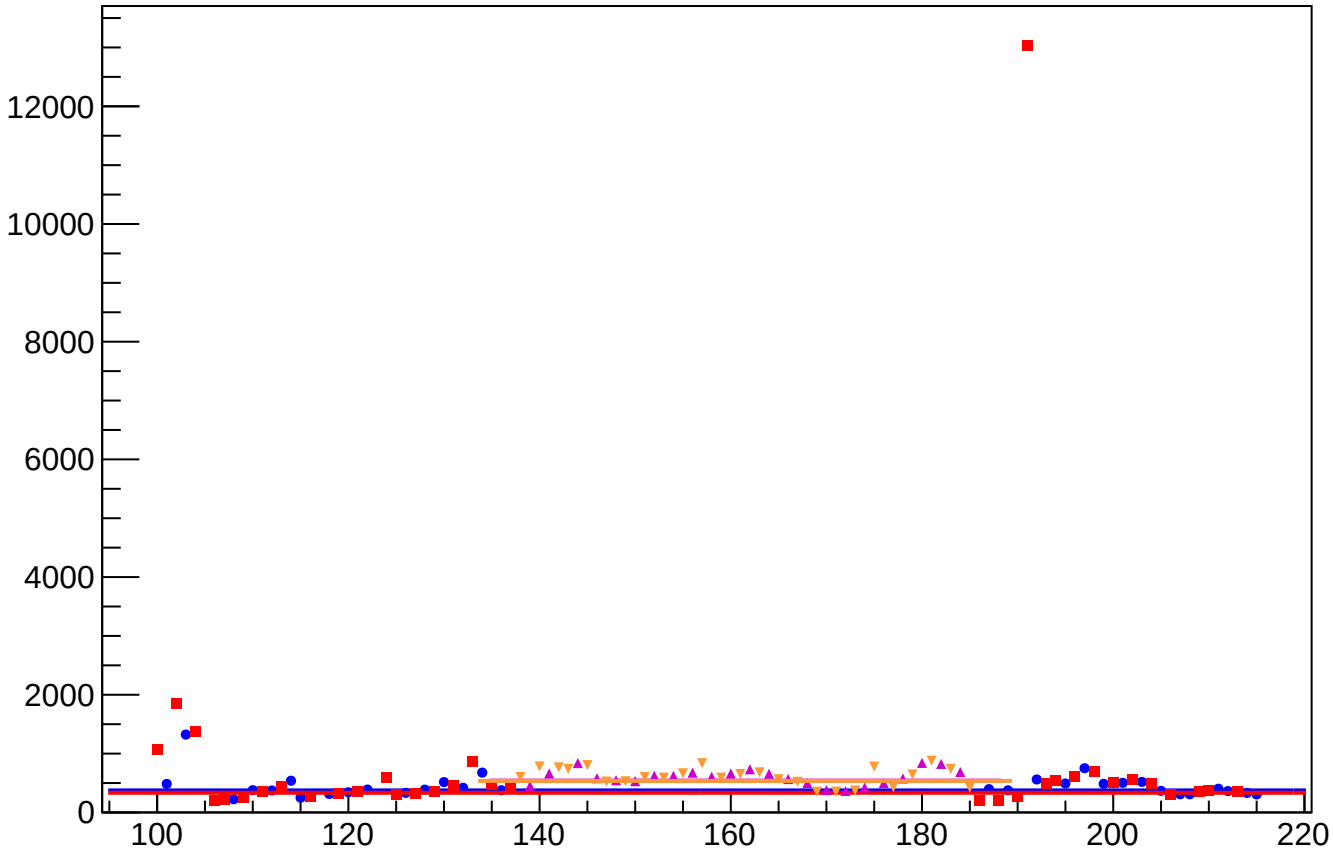
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.051+/-0.063 χ^2/NDF: 67.0/64

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.015+/-0.052 χ^2/NDF: 125.6/112



Right In: 374.783+/-0.064 χ^2/NDF: 2689201.5/30

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 334.878+/-0.061 χ^2/NDF: 5508376.5/33

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

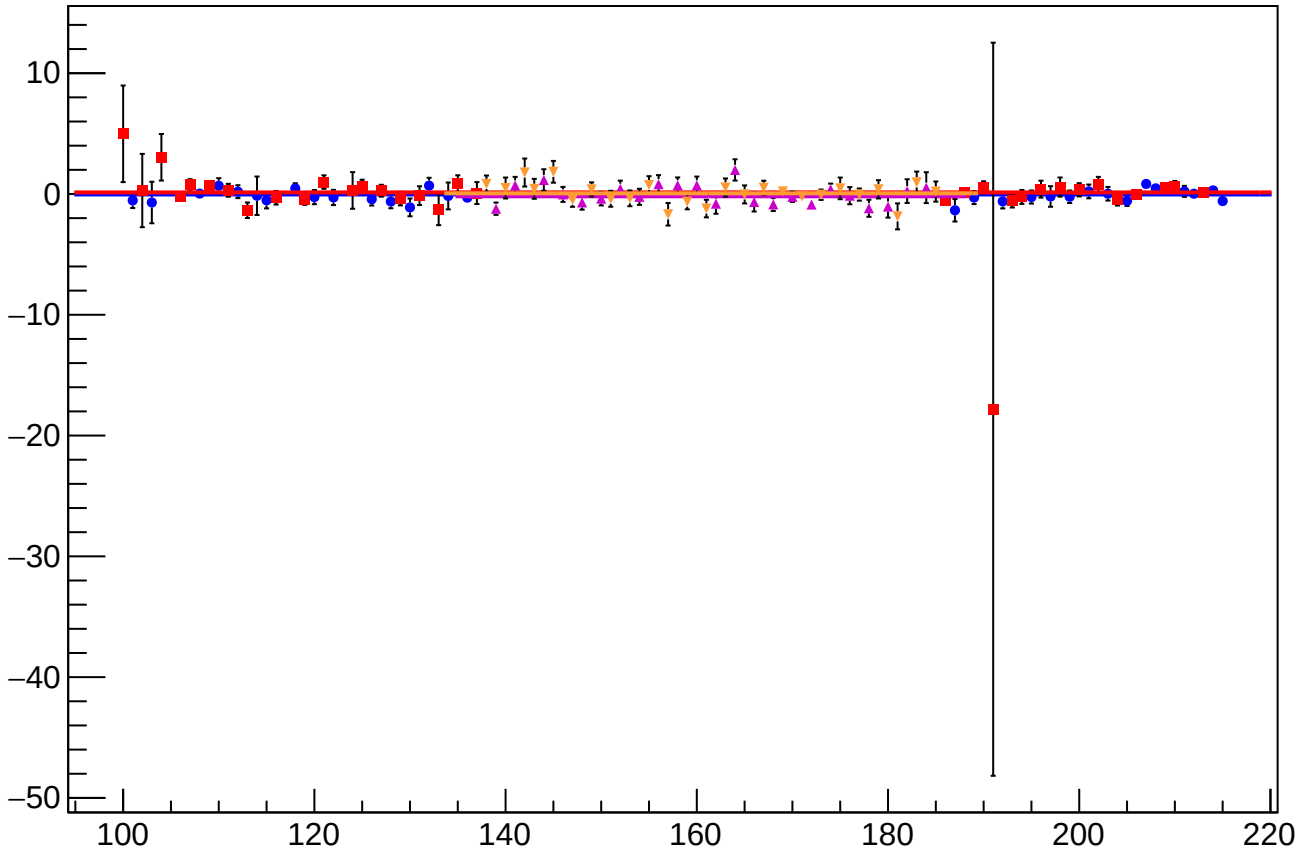
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 353.877+/-0.044 χ^2/NDF: 8400751.1/64

In: 427.351+/-0.053 χ^2/NDF:6719692.5/53

Out: 396.801+/-0.051 χ^2/NDF:11594751.9/58

All: 411.442+/-0.037 χ^2/NDF: 18487642.4/11



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.133+/-0.086 χ^2/NDF: 36.8/33

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

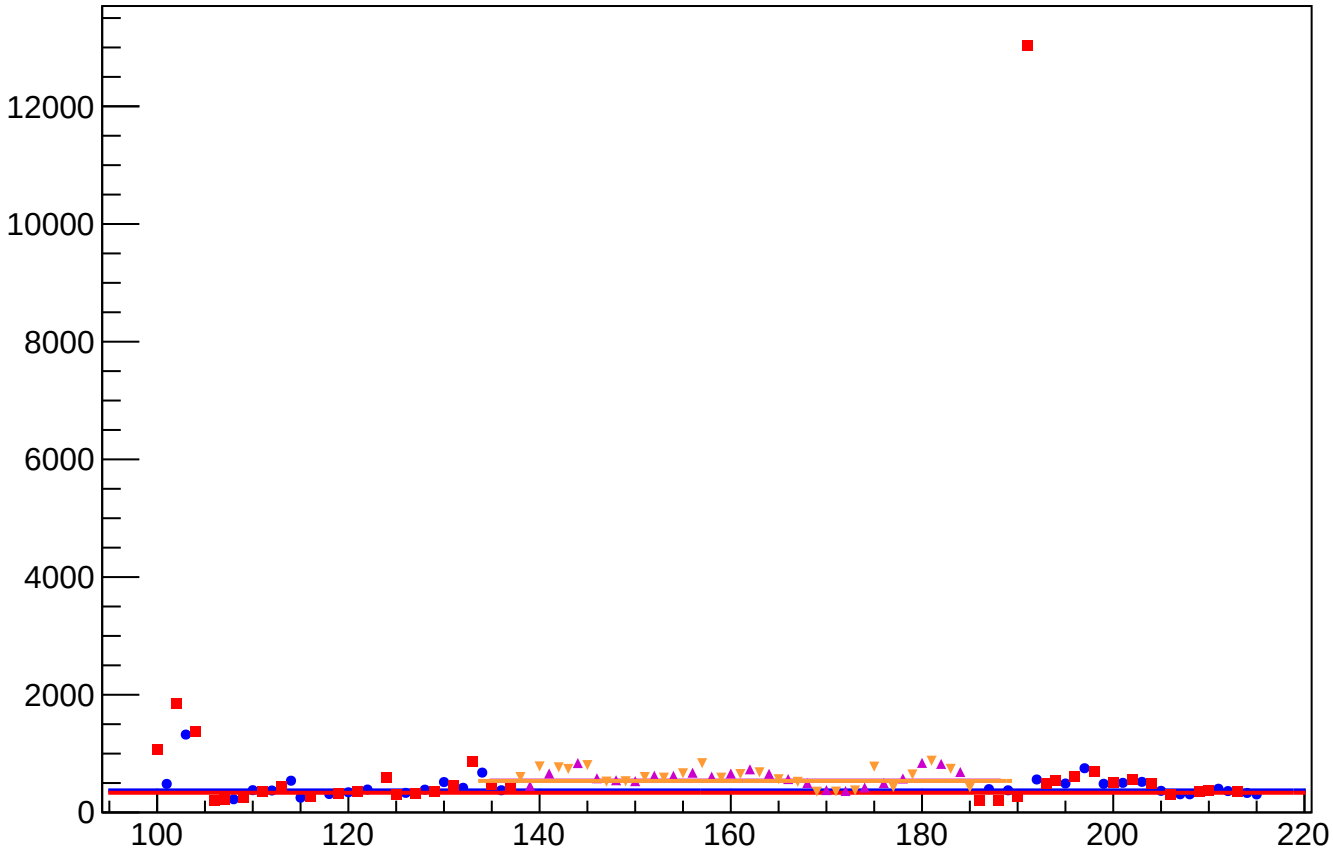
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.051+/-0.063 χ^2/NDF: 67.0/64

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.108+/-0.072 χ^2/NDF:61.7/58

All: 0.015+/-0.052 χ^2/NDF: 125.6/112



Right In: 374.783+/-0.064 χ^2/NDF: 2689201.5/30

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 334.878+/-0.061 χ^2/NDF: 5508376.5/33

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

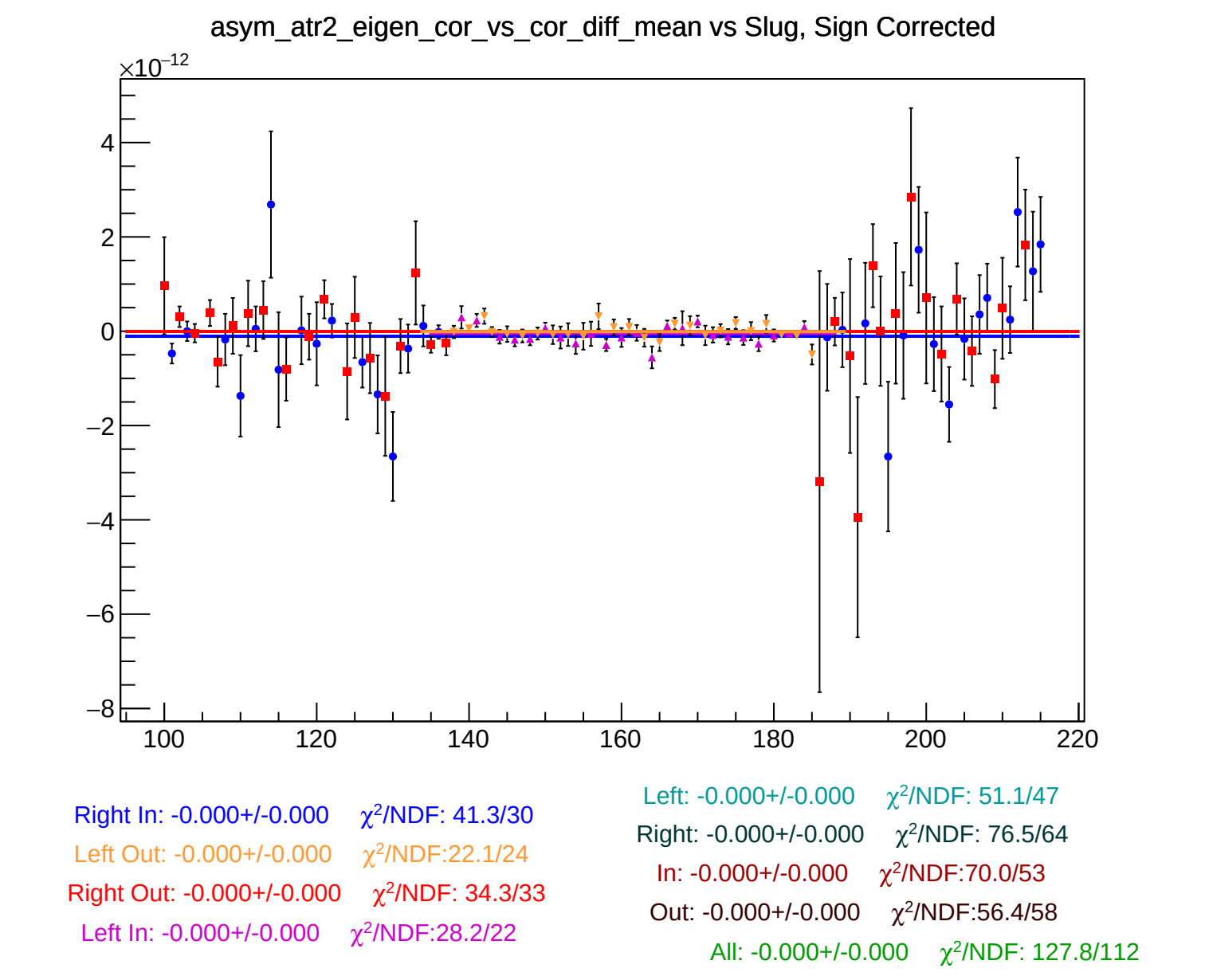
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

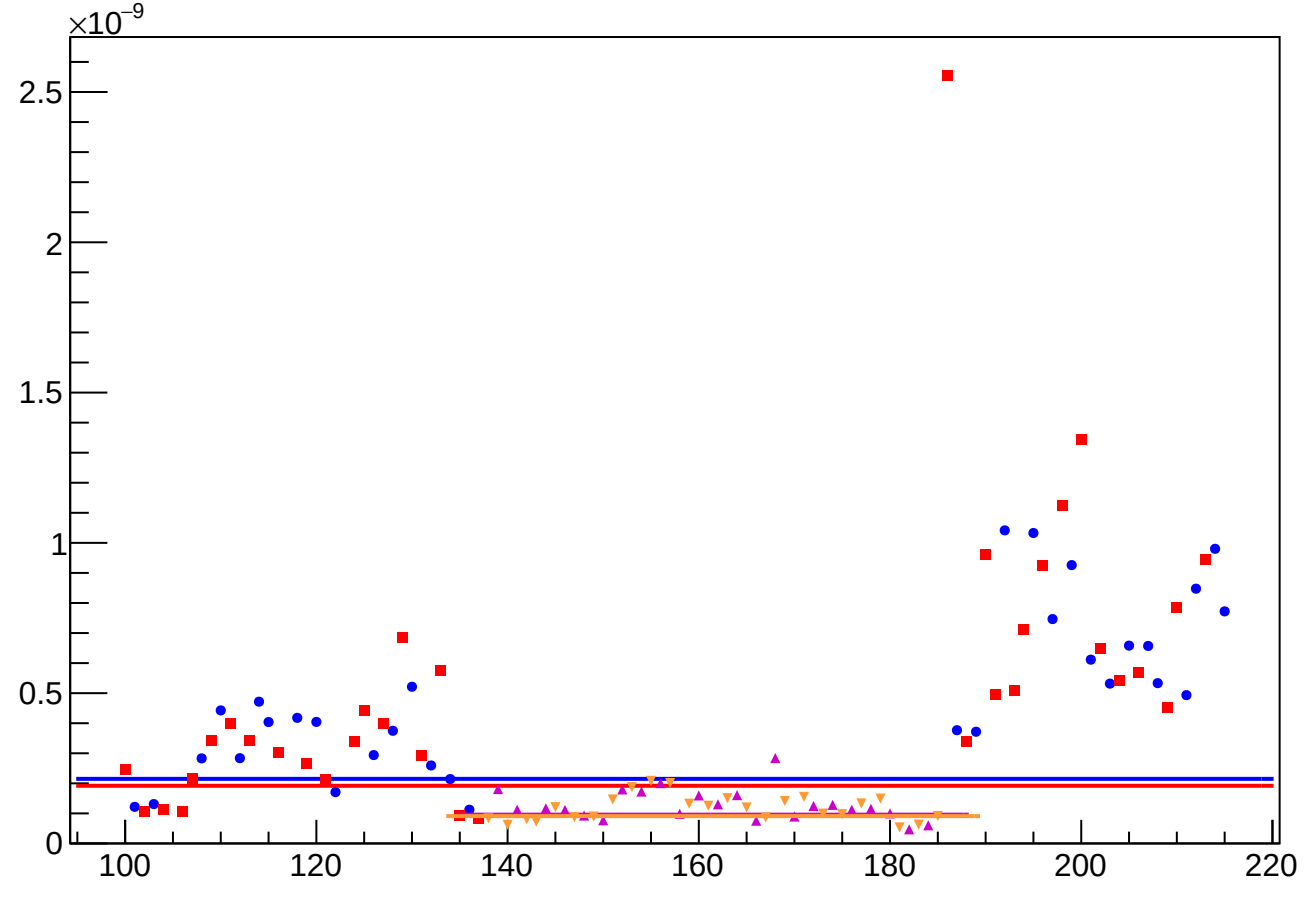
Right: 353.877+/-0.044 χ^2/NDF: 8400751.1/64

In: 427.351+/-0.053 χ^2/NDF:6719692.5/53

Out: 396.801+/-0.051 χ^2/NDF:11594751.9/58

All: 411.442+/-0.037 χ^2/NDF: 18487642.4/1


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: 41.3/30
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.3/33
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 76.5/64
In: -0.000+/-0.000 χ²/NDF:70.0/53
Out: -0.000+/-0.000 χ²/NDF:56.4/58
All: -0.000+/-0.000 χ²/NDF: 127.8/112



Right In: 0.000+/-0.000 χ^2/NDF: 9425628.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10010741.1/33

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

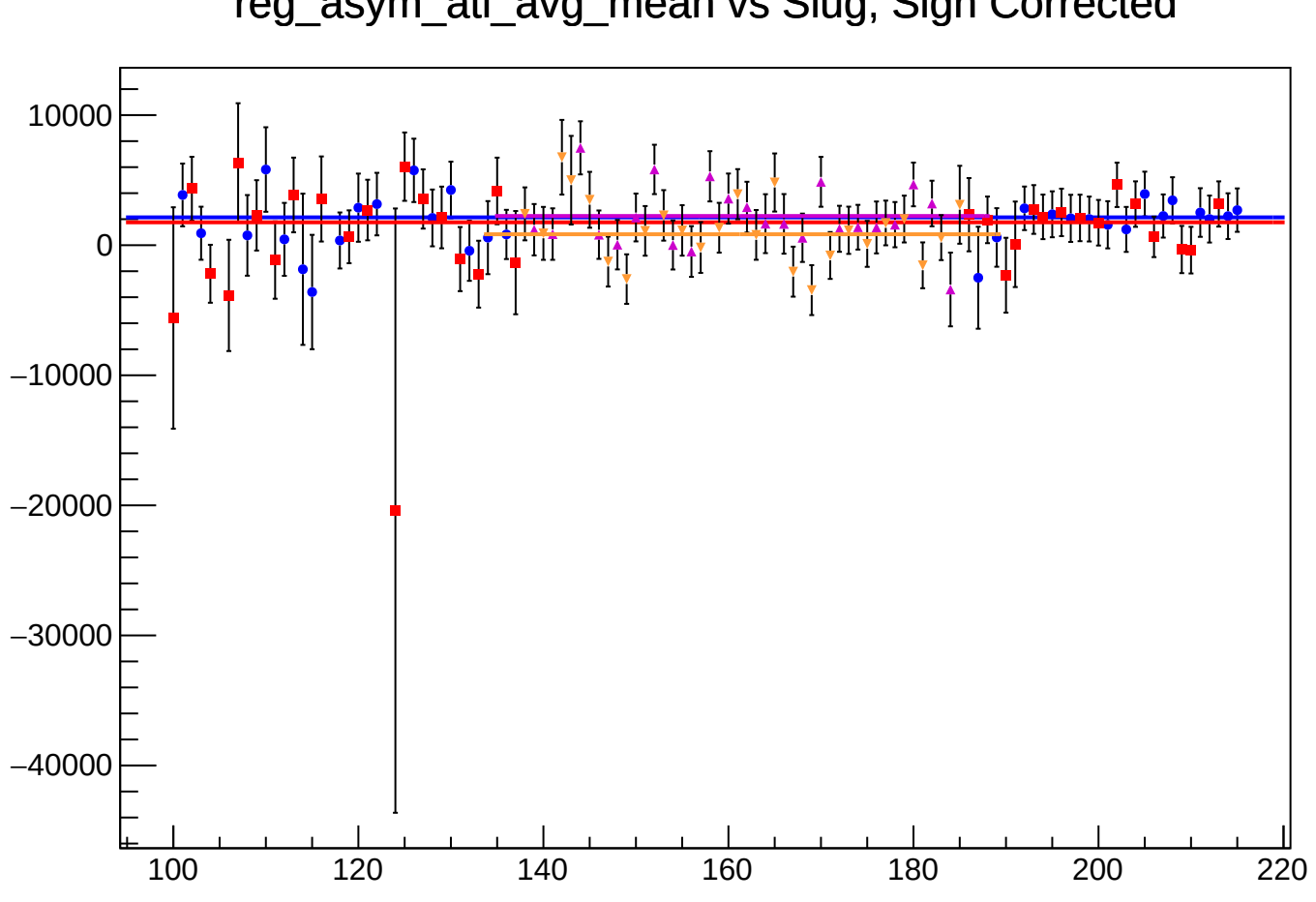
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 19517482.0/64

In: 0.000+/-0.000 χ^2/NDF:17049416.5/53

Out: 0.000+/-0.000 χ^2/NDF:16277562.2/58

All: 0.000+/-0.000 χ^2/NDF: 33397742.4/112



Right In: 2140.664+/-376.614 χ^2/NDF: 15.2/30

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1758.724+/-387.186 χ^2/NDF: 29.7/33

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

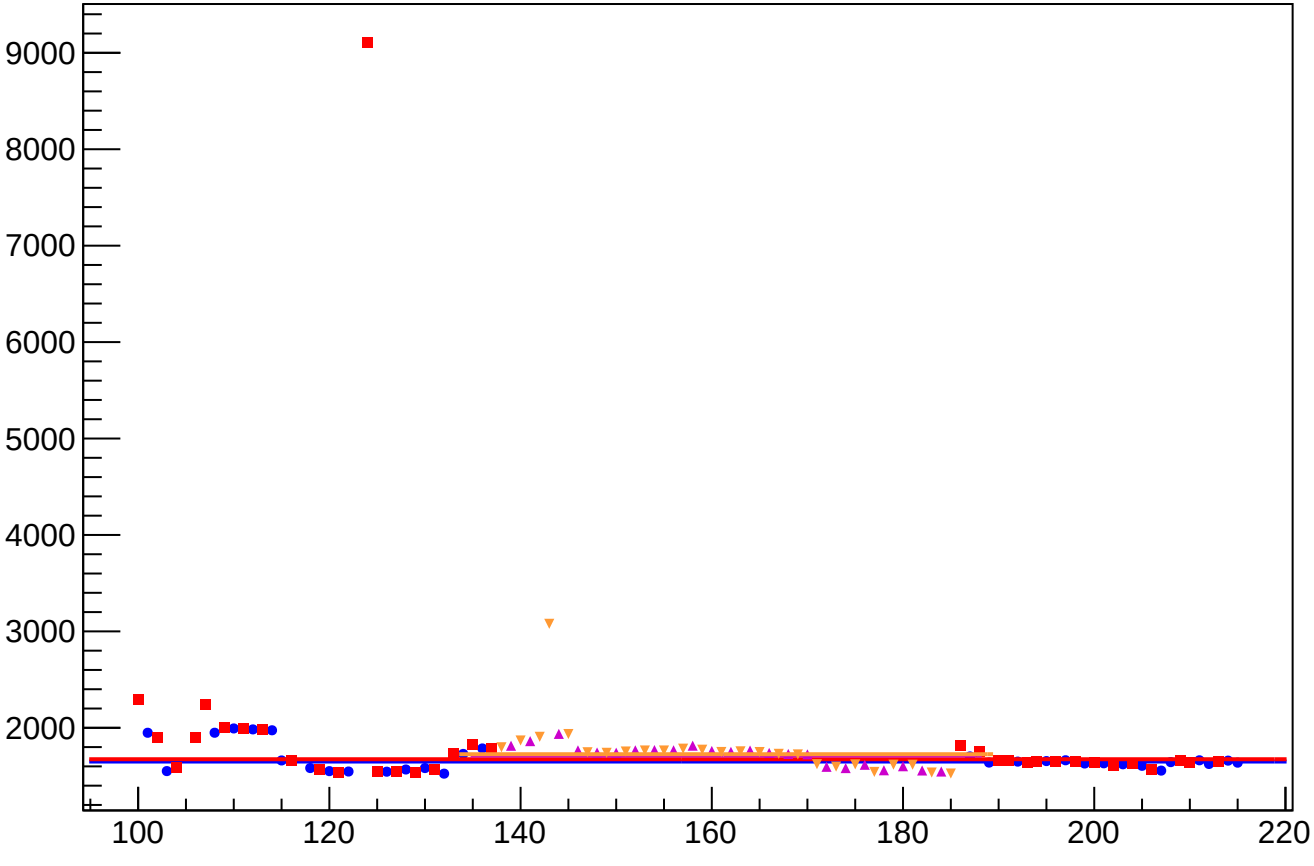
Right: 1954.980+/-269.967 χ^2/NDF: 45.5/64

In: 2189.615+/-274.443 χ^2/NDF:44.7/53

Out: 1308.664+/-276.312 χ^2/NDF:62.9/58

All: 1752.129+/-194.718 χ^2/NDF: 112.7/112

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1650.263+/-0.266 χ^2/NDF: 155519.1/30

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1674.089+/-0.273 χ^2/NDF: 419214.9/33

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

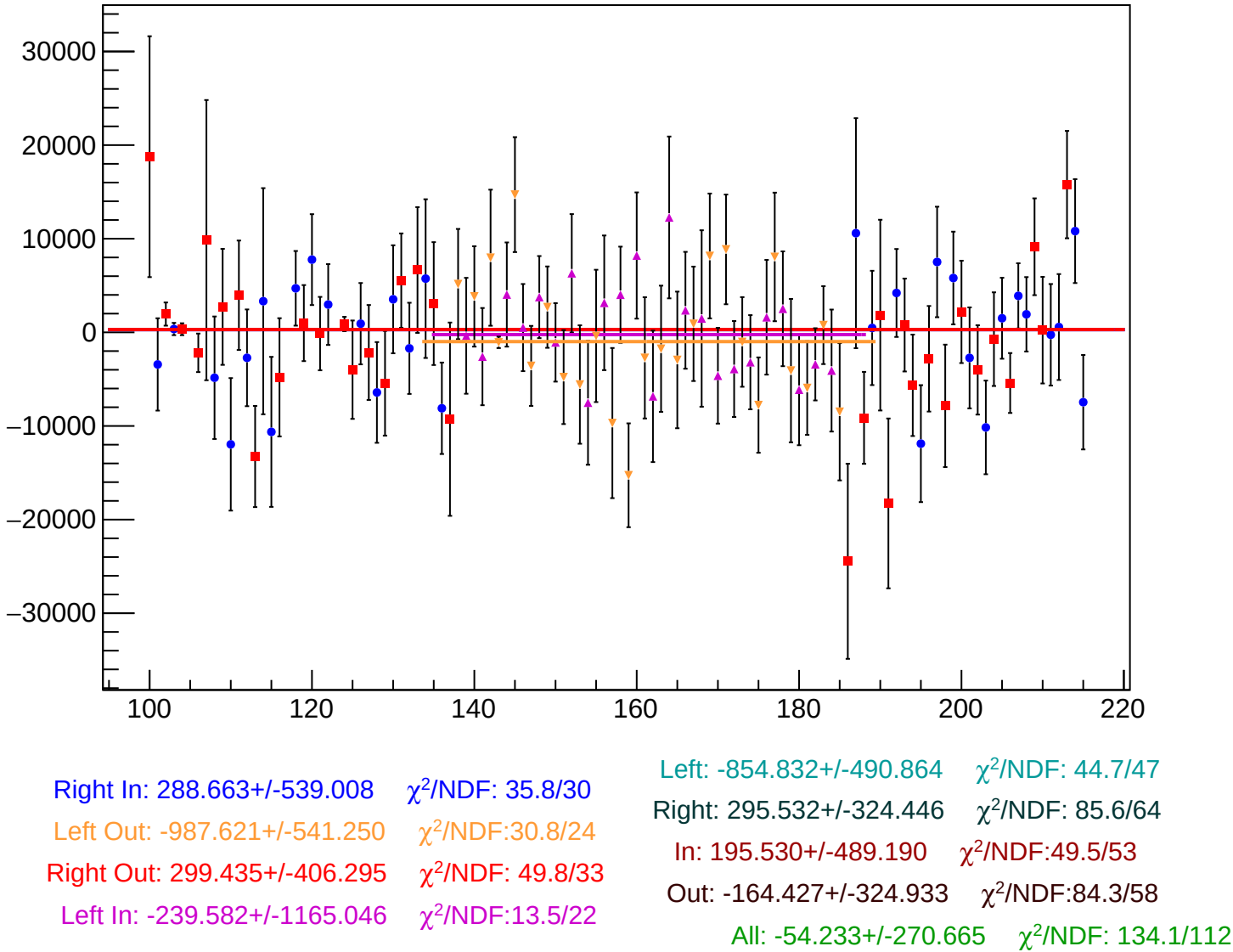
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.867+/-0.191 χ^2/NDF: 578632.4/64

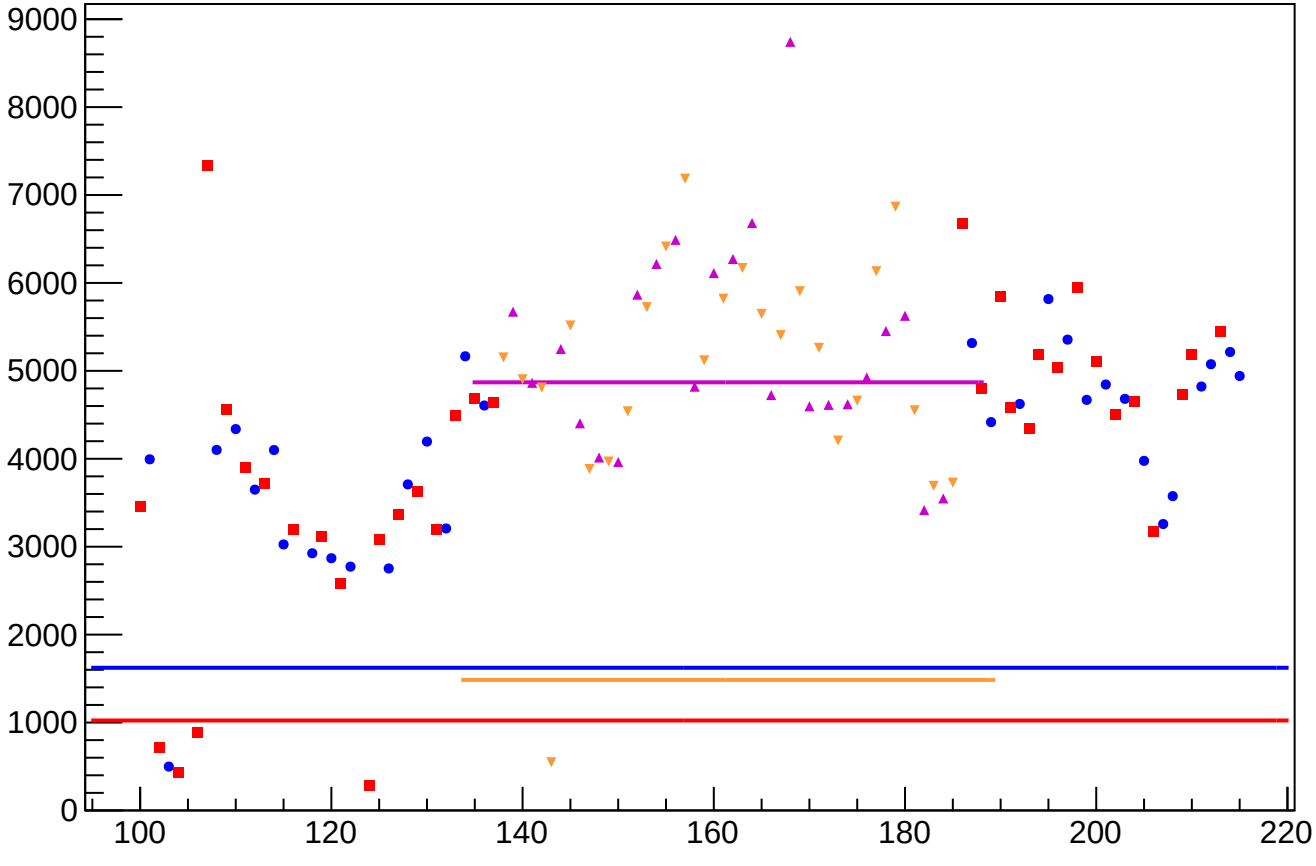
In: 1679.758+/-0.194 χ^2/NDF:310966.7/53

Out: 1699.546+/-0.195 χ^2/NDF:891856.7/58

All: 1689.594+/-0.138 χ^2/NDF: 1207991.5/11


asym_atl_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 288.663+/-539.008 χ²/NDF: 35.8/30
Left Out: -987.621+/-541.250 χ²/NDF:30.8/24
Right Out: 299.435+/-406.295 χ²/NDF: 49.8/33
Left In: -239.582+/-1165.046 χ²/NDF:13.5/22
Left: -854.832+/-490.864 χ²/NDF: 44.7/47
Right: 295.532+/-324.446 χ²/NDF: 85.6/64
In: 195.530+/-489.190 χ²/NDF:49.5/53
Out: -164.427+/-324.933 χ²/NDF:84.3/58
All: -54.233+/-270.665 χ²/NDF: 134.1/112

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1622.803+/-0.381 χ^2/NDF: 20033946.4/30

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1023.412+/-0.287 χ^2/NDF: 24056184.1/33

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

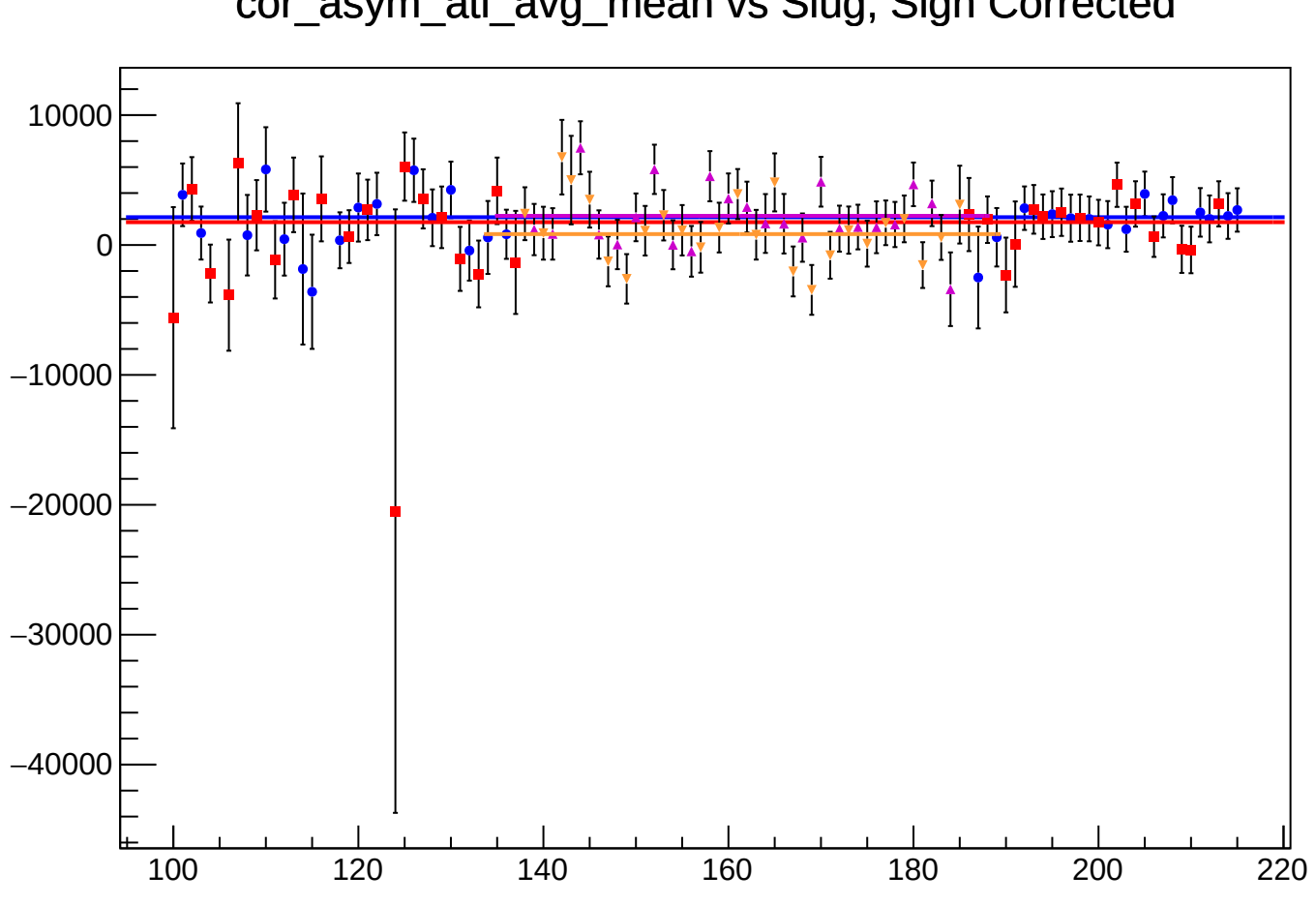
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1240.584+/-0.229 χ^2/NDF: 45667243.7/64

In: 2195.254+/-0.346 χ^2/NDF:34303395.5/53

Out: 1189.613+/-0.230 χ^2/NDF:48209724.7/58

All: 1497.472+/-0.191 χ^2/NDF: 88377705.8/1



Right In: 2140.705+/-376.614 χ^2/NDF: 15.2/30

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1757.850+/-387.187 χ^2/NDF: 29.7/33

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

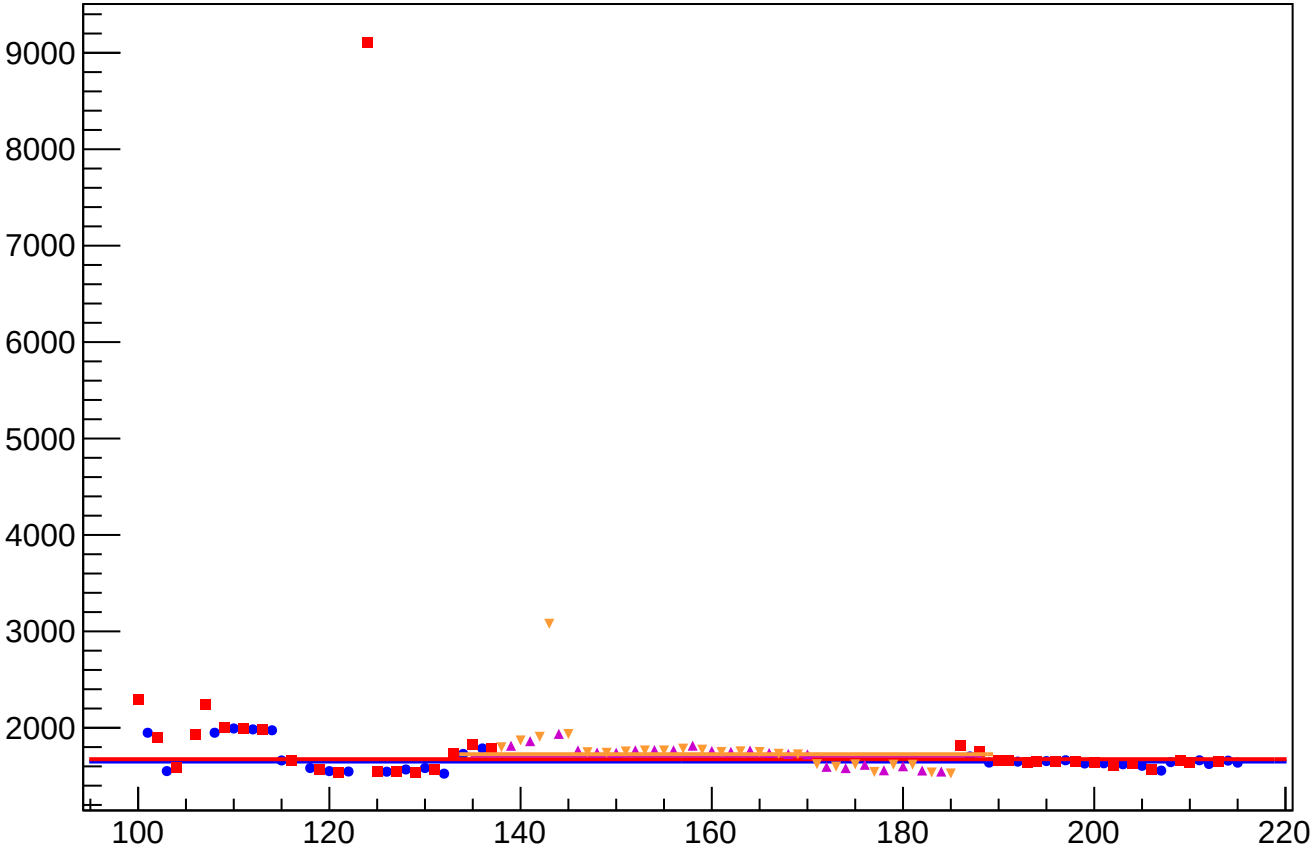
Right: 1954.577+/-269.967 χ^2/NDF: 45.5/64

In: 2189.645+/-274.443 χ^2/NDF:44.7/53

Out: 1308.214+/-276.313 χ^2/NDF:62.9/58

All: 1751.921+/-194.718 χ^2/NDF: 112.7/112

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1650.263+/-0.266 χ^2/NDF: 155519.1/30

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1674.378+/-0.273 χ^2/NDF: 421311.6/33

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

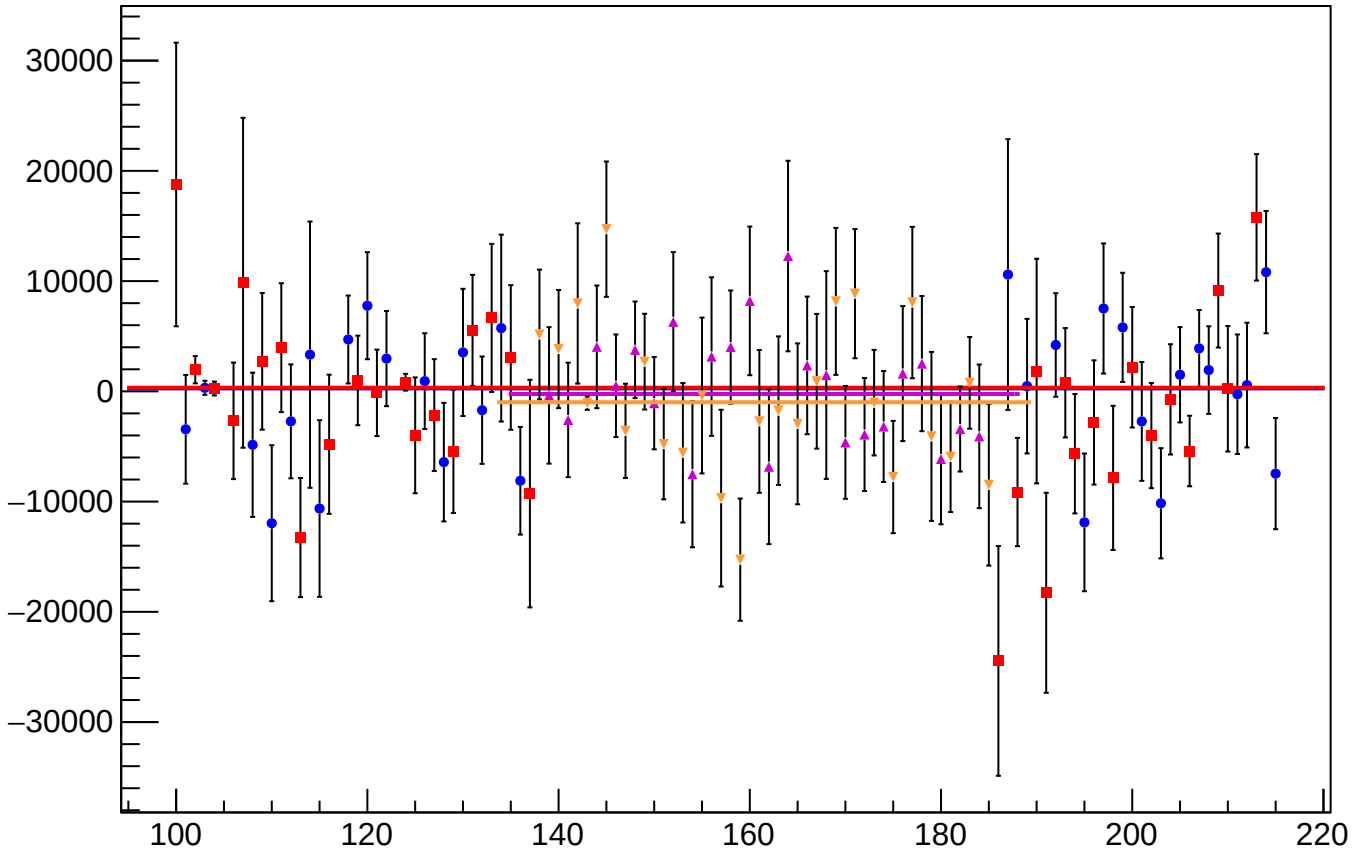
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1662.005+/-0.191 χ^2/NDF: 580823.5/64

In: 1679.758+/-0.194 χ^2/NDF:310966.7/53

Out: 1699.698+/-0.195 χ^2/NDF:893753.9/58

All: 1689.669+/-0.138 χ^2/NDF: 1209968.0/11



Right In: 266.363+/-529.694 χ^2/NDF: 35.8/30

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 330.687+/-411.395 χ^2/NDF: 48.6/33

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

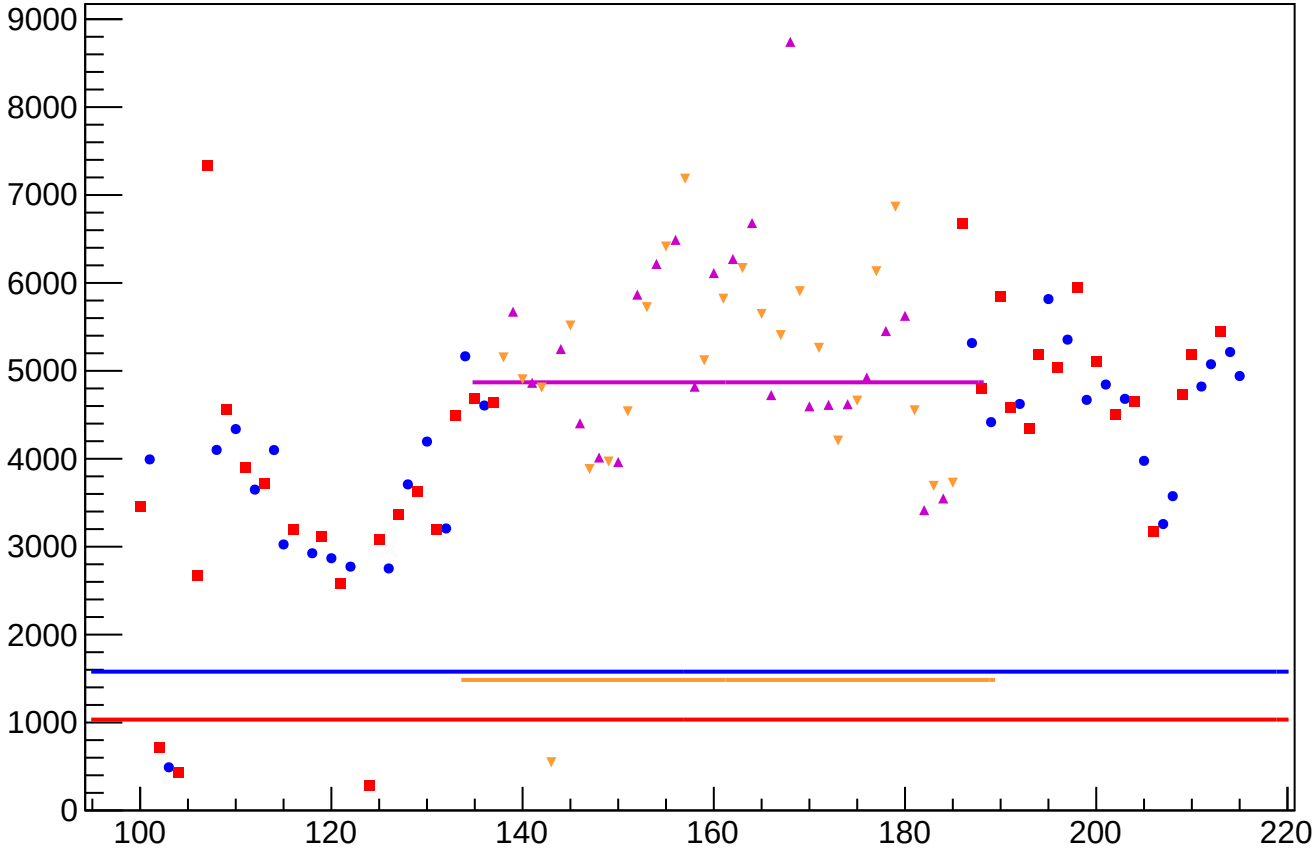
Right: 306.485+/-324.911 χ^2/NDF: 84.4/64

In: 179.712+/-482.196 χ^2/NDF:49.5/53

Out: -151.946+/-327.520 χ^2/NDF:83.2/58

All: -47.242+/-270.932 χ^2/NDF: 133.0/112

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1578.683+/-0.375 χ^2/NDF: 20418755.3/30

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1033.476+/-0.291 χ^2/NDF: 24287635.6/33

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

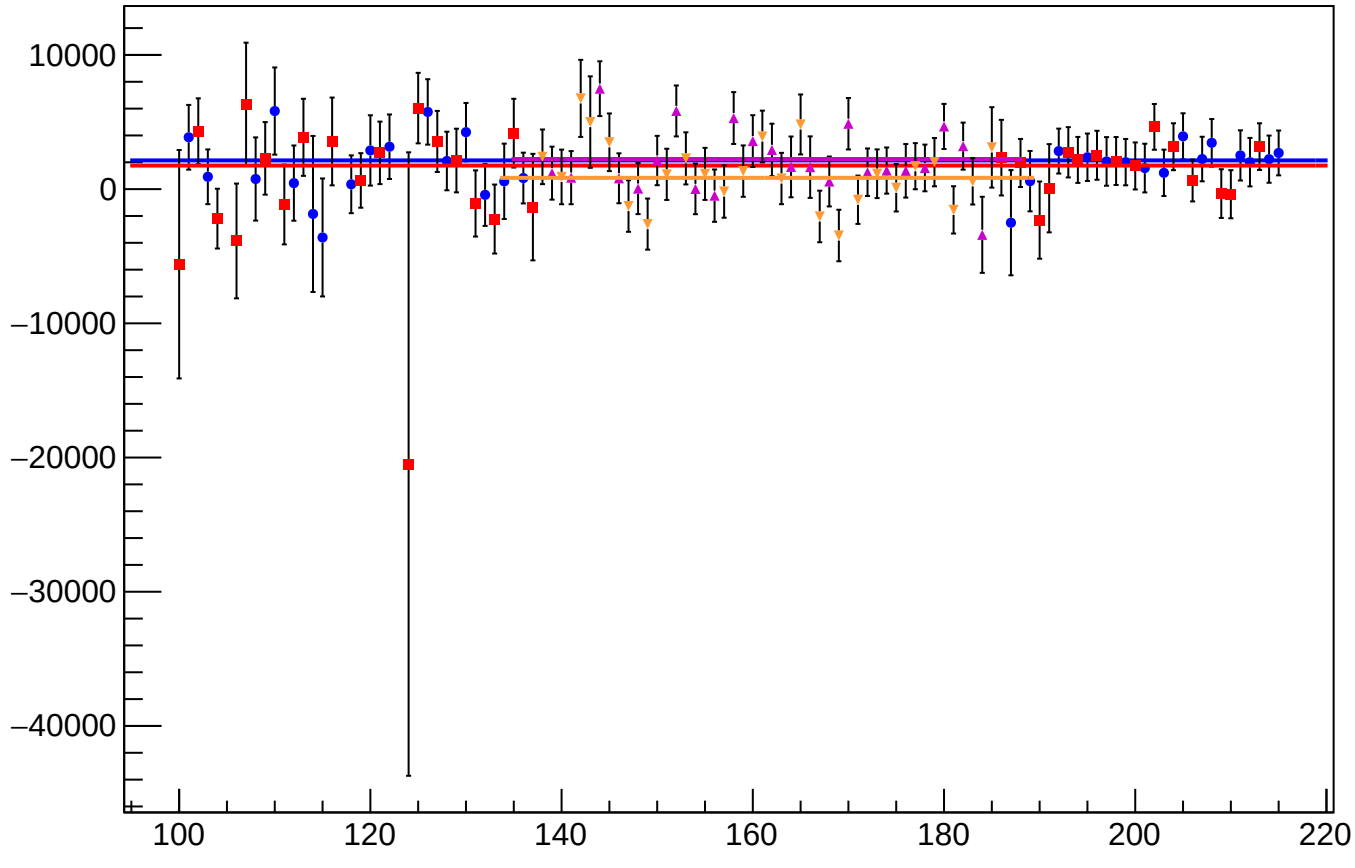
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1238.611+/-0.230 χ^2/NDF: 46028027.9/64

In: 2142.439+/-0.341 χ^2/NDF:35118177.8/53

Out: 1198.632+/-0.232 χ^2/NDF:48393422.9/58

All: 1496.592+/-0.192 χ^2/NDF: 88754795.1/1



Right In: 2140.705+/-376.614 χ^2/NDF: 15.2/30

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1757.850+/-387.187 χ^2/NDF: 29.7/33

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

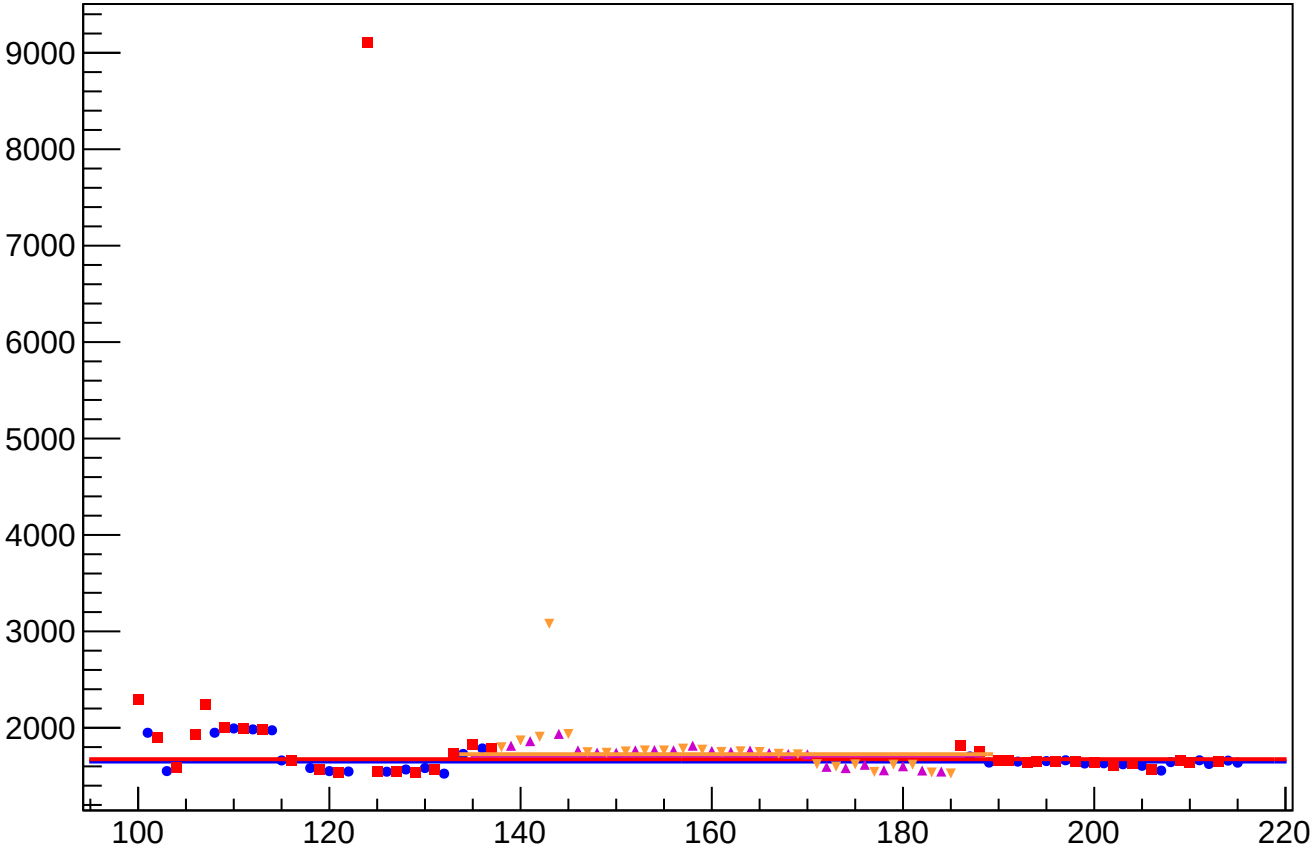
Right: 1954.577+/-269.967 χ^2/NDF: 45.5/64

In: 2189.645+/-274.443 χ^2/NDF:44.7/53

Out: 1308.214+/-276.313 χ^2/NDF:62.9/58

All: 1751.921+/-194.718 χ^2/NDF: 112.7/112

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1650.263+/-0.266 χ^2/NDF: 155519.1/30

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1674.378+/-0.273 χ^2/NDF: 421311.6/33

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

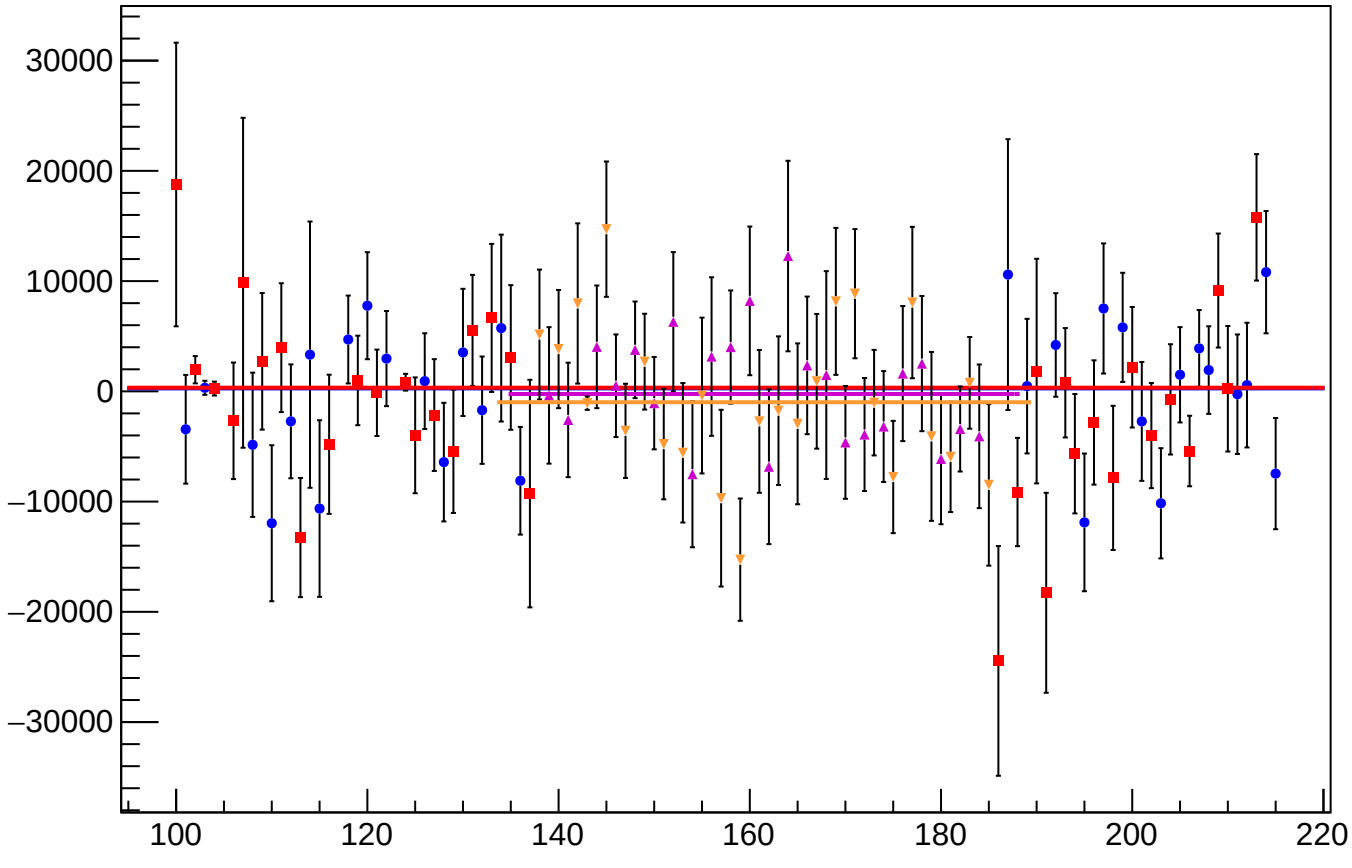
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1662.005+/-0.191 χ^2/NDF: 580823.5/64

In: 1679.758+/-0.194 χ^2/NDF:310966.7/53

Out: 1699.698+/-0.195 χ^2/NDF:893753.9/58

All: 1689.669+/-0.138 χ^2/NDF: 1209968.0/11



Right In: 266.363+/-529.694 χ^2/NDF: 35.8/30

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 330.687+/-411.395 χ^2/NDF: 48.6/33

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

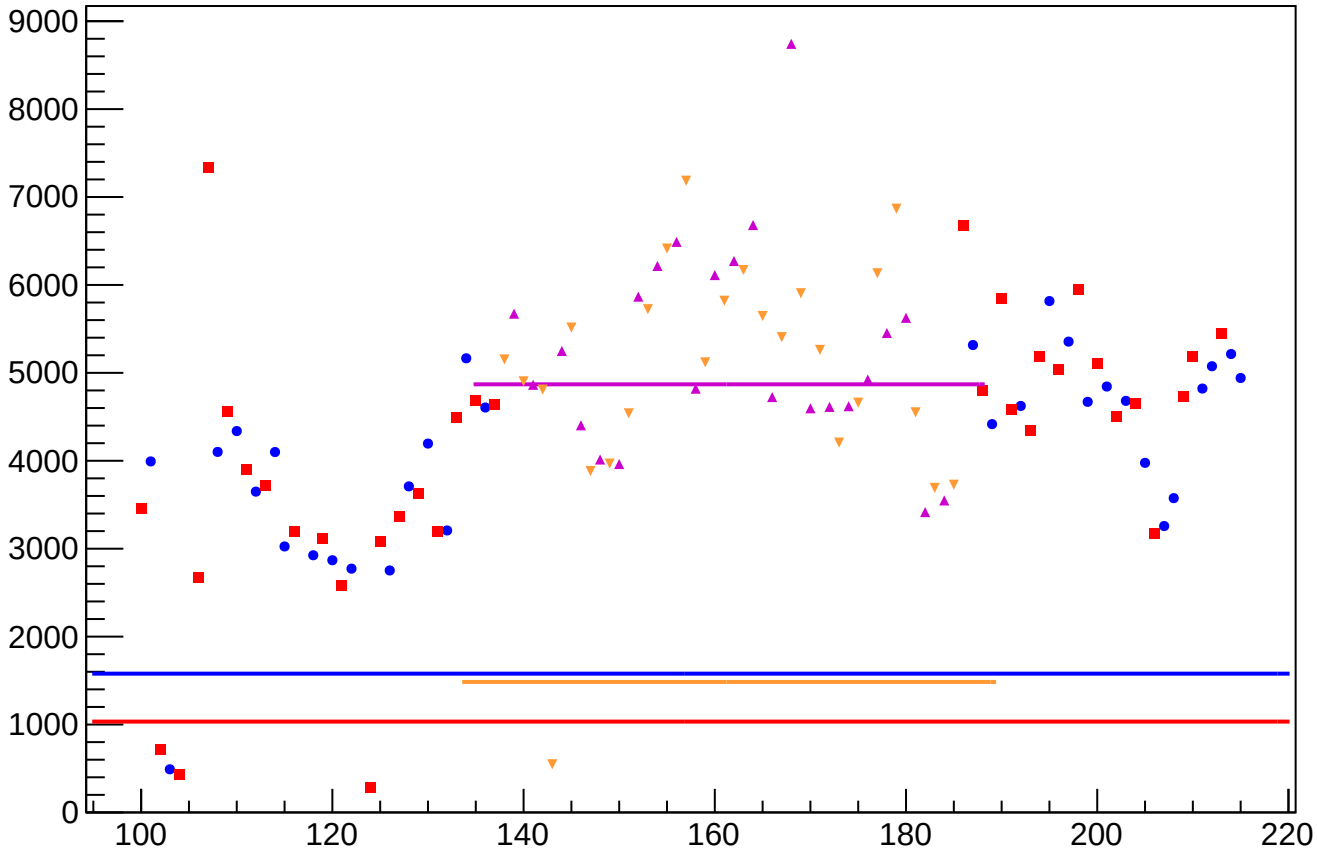
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 306.485+/-324.911 χ^2/NDF: 84.4/64

In: 179.712+/-482.196 χ^2/NDF:49.5/53

Out: -151.946+/-327.520 χ^2/NDF:83.2/58

All: -47.242+/-270.932 χ^2/NDF: 133.0/112



Right In: 1578.683+/-0.375 χ^2/NDF: 20418755.3/30

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1033.476+/-0.291 χ^2/NDF: 24287635.6/33

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

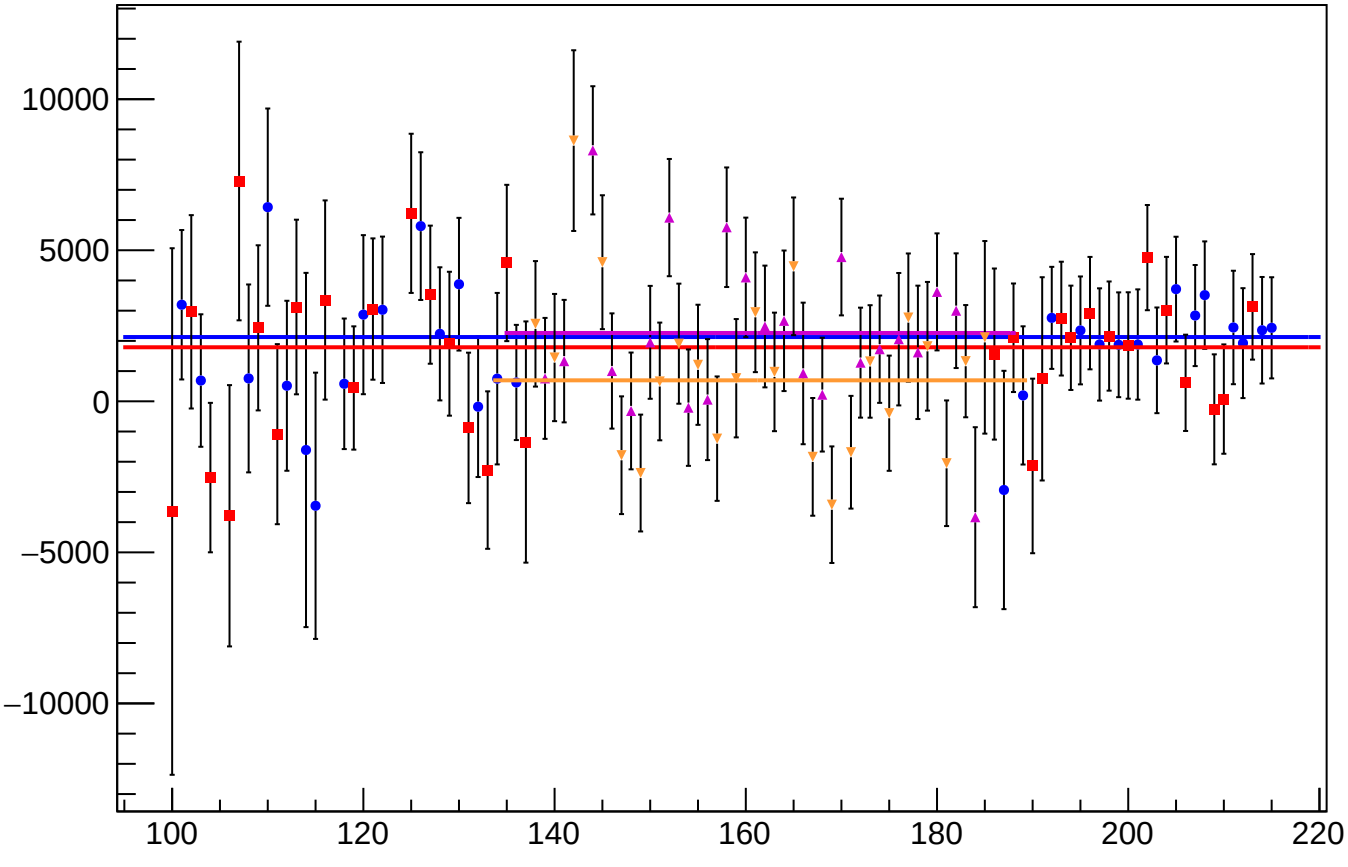
Right: 1238.611+/-0.230 χ^2/NDF: 46028027.9/64

In: 2142.439+/-0.341 χ^2/NDF:35118177.8/53

Out: 1198.632+/-0.232 χ^2/NDF:48393422.9/58

All: 1496.592+/-0.192 χ^2/NDF: 88754795.1/1

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2127.177+/-380.483 χ^2/NDF: 14.8/30

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1788.637+/-393.886 χ^2/NDF: 27.0/32

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

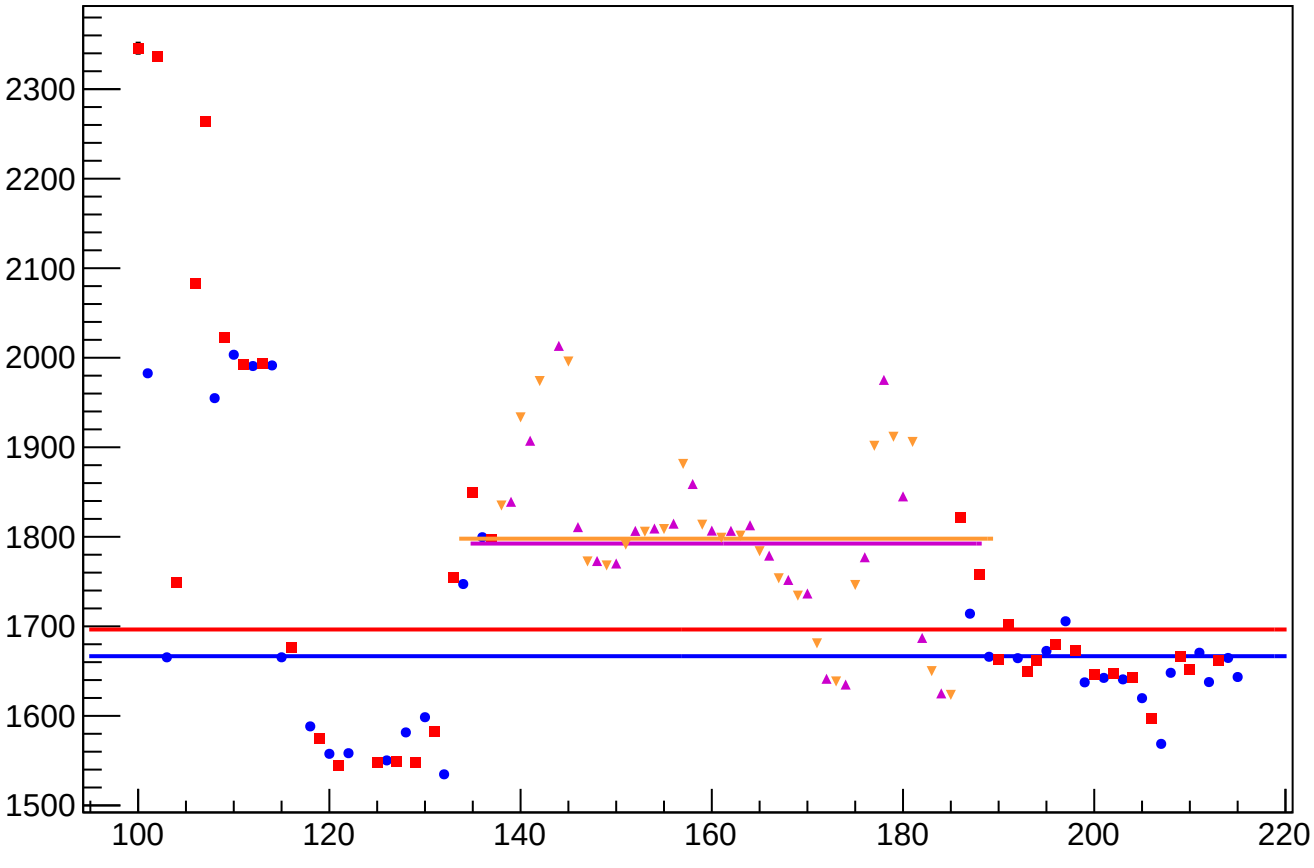
Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

Right: 1963.765+/-273.658 χ^2/NDF: 42.2/63

In: 2187.975+/-281.731 χ^2/NDF:45.3/53

Out: 1274.017+/-286.682 χ^2/NDF:62.8/56

All: 1738.956+/-200.941 χ^2/NDF: 113.3/110



Right In: 1666.667+/-0.269 χ^2/NDF: 153015.8/30

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1696.488+/-0.278 χ^2/NDF: 286706.5/32

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

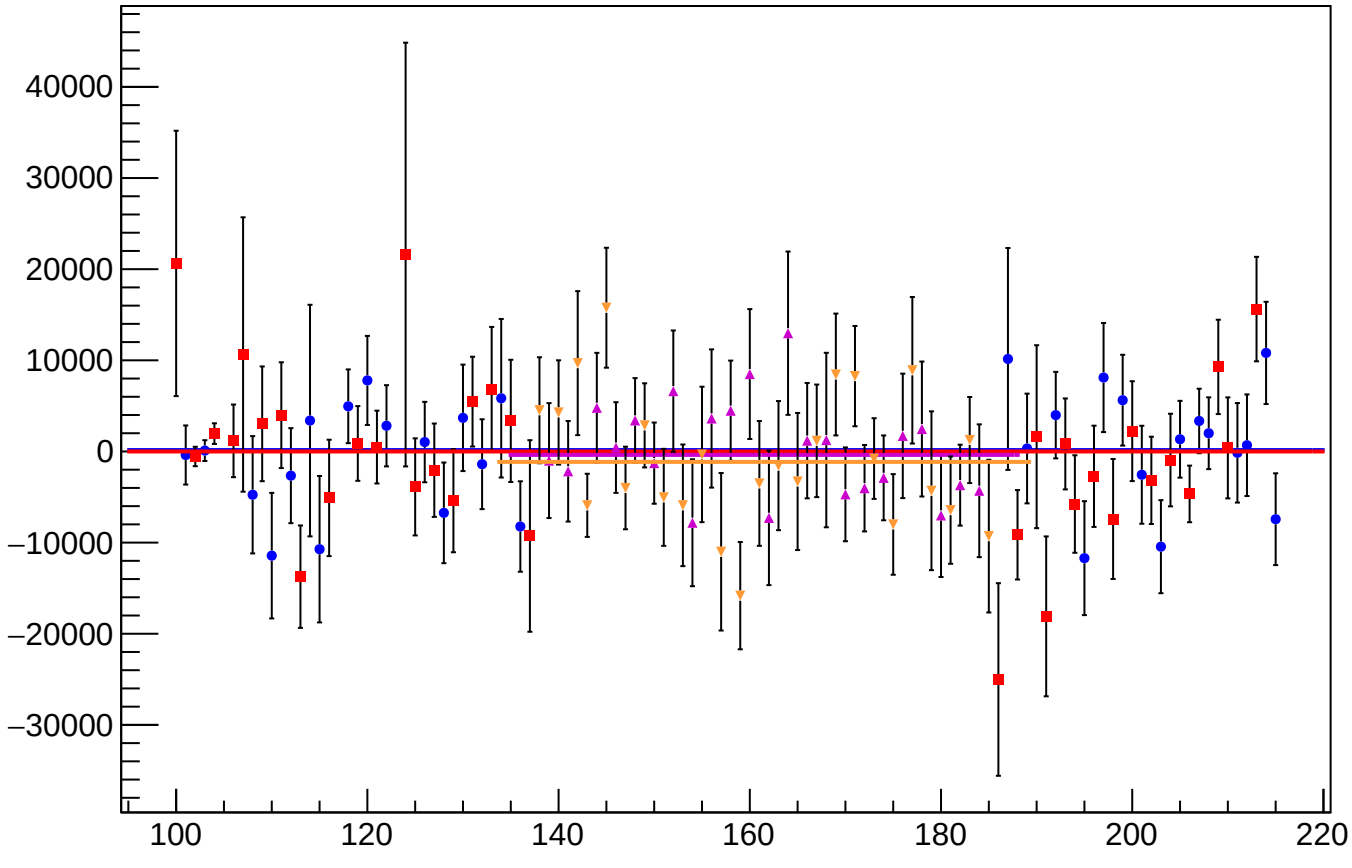
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1681.074+/-0.193 χ^2/NDF: 445657.9/63

In: 1723.486+/-0.199 χ^2/NDF:344628.4/53

Out: 1744.142+/-0.203 χ^2/NDF:447113.2/56

All: 1733.639+/-0.142 χ^2/NDF: 797025.8/110



Right In: 152.522+/-723.261 χ^2/NDF: 34.7/30

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -1.414+/-609.515 χ^2/NDF: 48.5/33

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

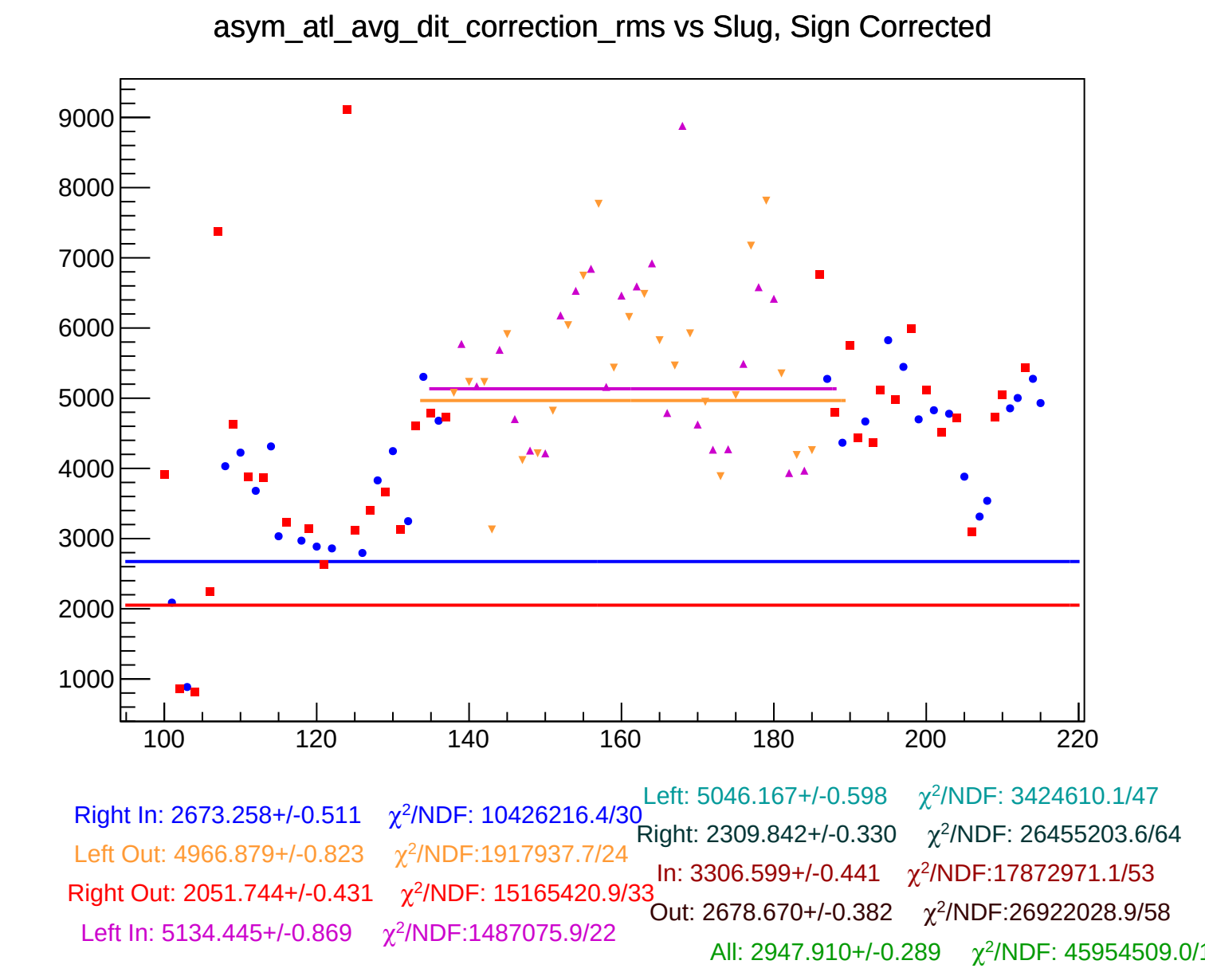
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

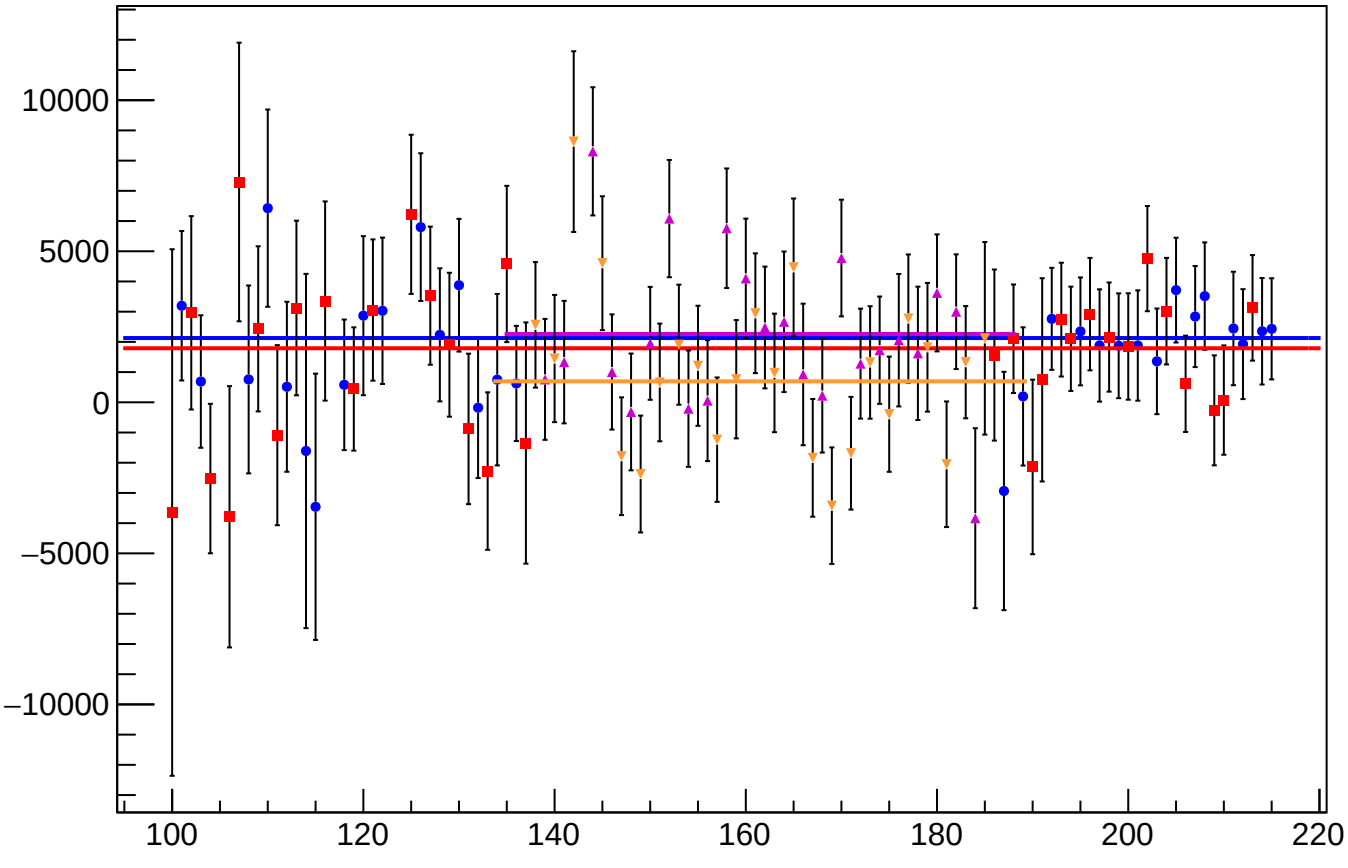
Right: 62.511+/-466.081 χ^2/NDF: 83.2/64

In: 16.792+/-623.293 χ^2/NDF:48.1/53

Out: -247.224+/-540.011 χ^2/NDF:81.9/58

All: -134.021+/-408.138 χ^2/NDF: 130.0/112


asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2673.258+/-0.511 χ²/NDF: 10426216.4/30
Left Out: 4966.879+/-0.823 χ²/NDF:1917937.7/24
Right Out: 2051.744+/-0.431 χ²/NDF: 15165420.9/33
Left In: 5134.445+/-0.869 χ²/NDF:1487075.9/22
Left: 5046.167+/-0.598 χ²/NDF: 3424610.1/47
Right: 2309.842+/-0.330 χ²/NDF: 26455203.6/64
In: 3306.599+/-0.441 χ²/NDF:17872971.1/53
Out: 2678.670+/-0.382 χ²/NDF:26922028.9/58
All: 2947.910+/-0.289 χ²/NDF: 45954509.0/1



Right In: 2127.174+/-380.483 χ^2/NDF: 14.8/30

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1788.634+/-393.886 χ^2/NDF: 27.0/32

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

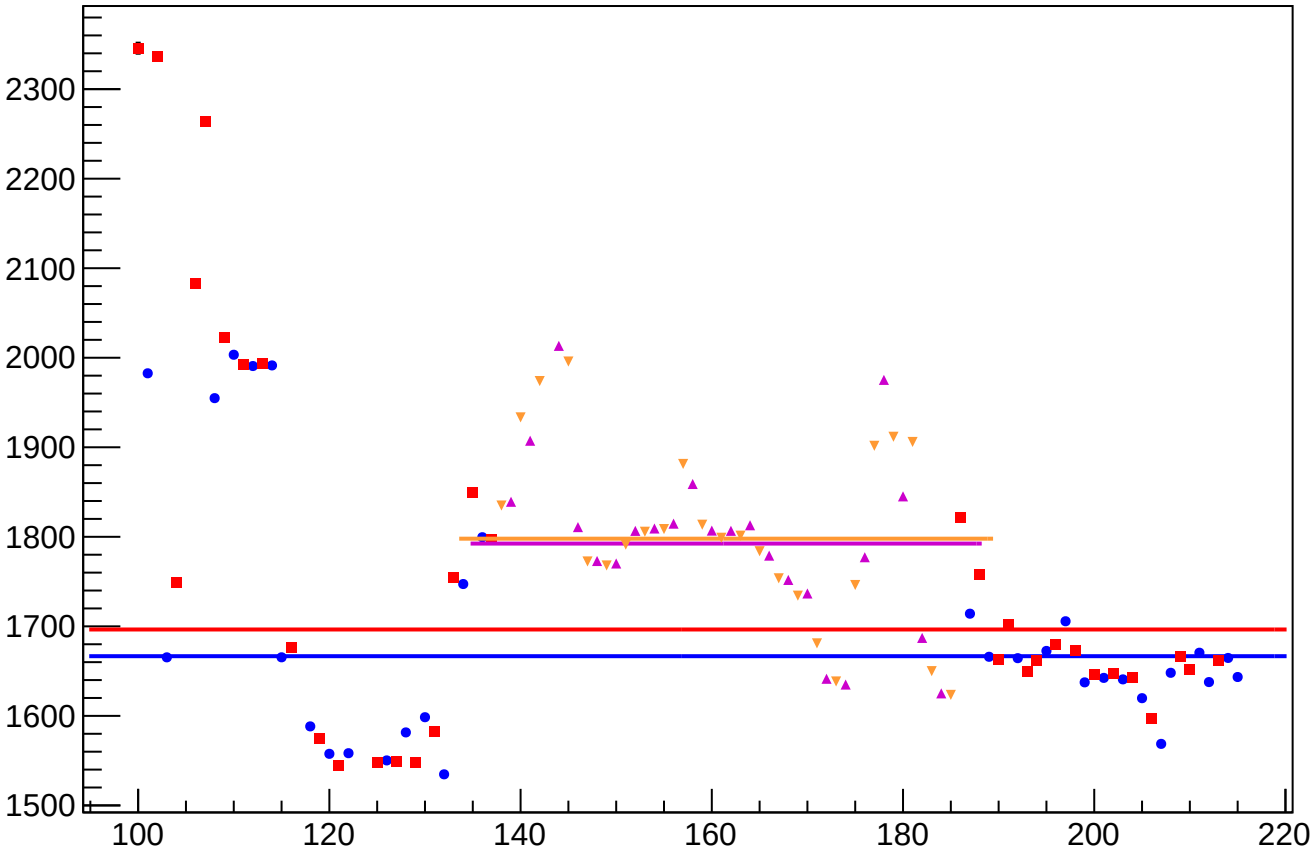
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1963.762+/-273.658 χ^2/NDF: 42.2/63

In: 2187.973+/-281.731 χ^2/NDF:45.3/53

Out: 1274.014+/-286.682 χ^2/NDF:62.8/56

All: 1738.953+/-200.941 χ^2/NDF: 113.3/110



Right In: 1666.667+/-0.269 χ^2/NDF: 153016.0/30

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1696.488+/-0.278 χ^2/NDF: 286705.9/32

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

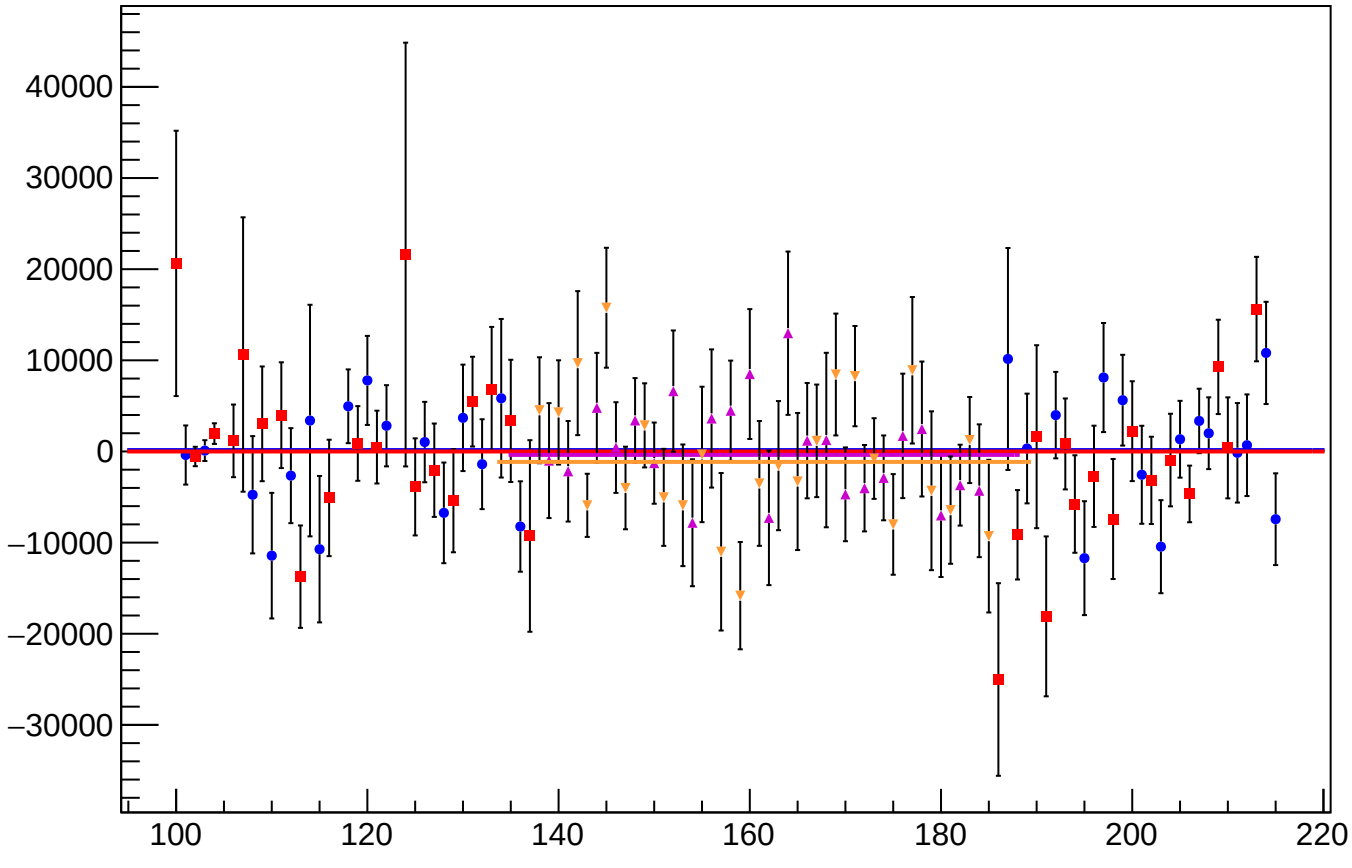
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1681.073+/-0.193 χ^2/NDF: 445657.5/63

In: 1723.487+/-0.199 χ^2/NDF:344634.0/53

Out: 1744.143+/-0.203 χ^2/NDF:447117.9/56

All: 1733.639+/-0.142 χ^2/NDF: 797036.1/110



Right In: 152.522+/-723.258 χ^2/NDF: 34.7/30

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -1.408+/-609.511 χ^2/NDF: 48.5/33

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

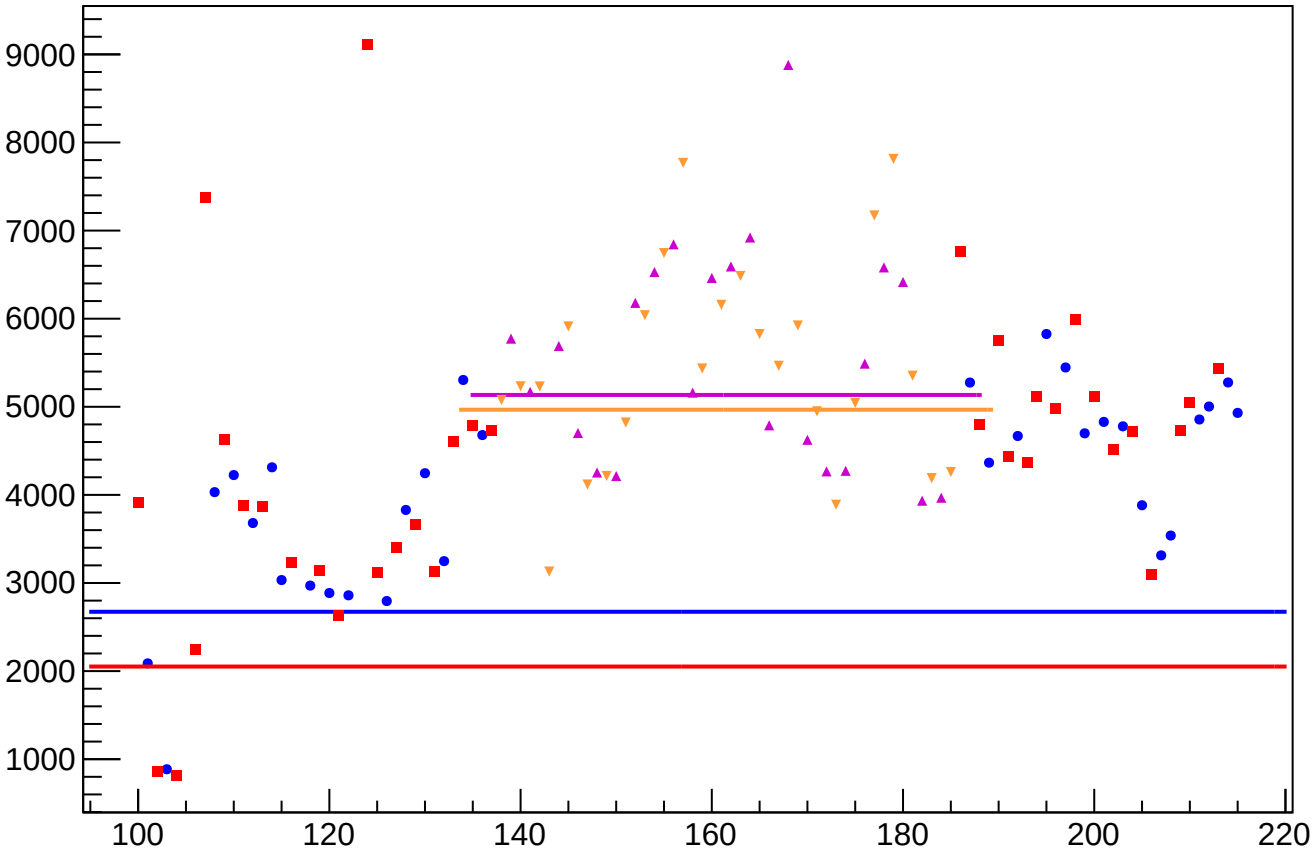
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 62.515+/-466.078 χ^2/NDF: 83.2/64

In: 16.794+/-623.292 χ^2/NDF:48.1/53

Out: -247.219+/-540.009 χ^2/NDF:81.9/58

All: -134.017+/-408.136 χ^2/NDF: 130.0/112



Right In: 2673.240+/-0.511 χ^2/NDF: 10426369.5/30

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 2051.726+/-0.431 χ^2/NDF: 15165568.5/33

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

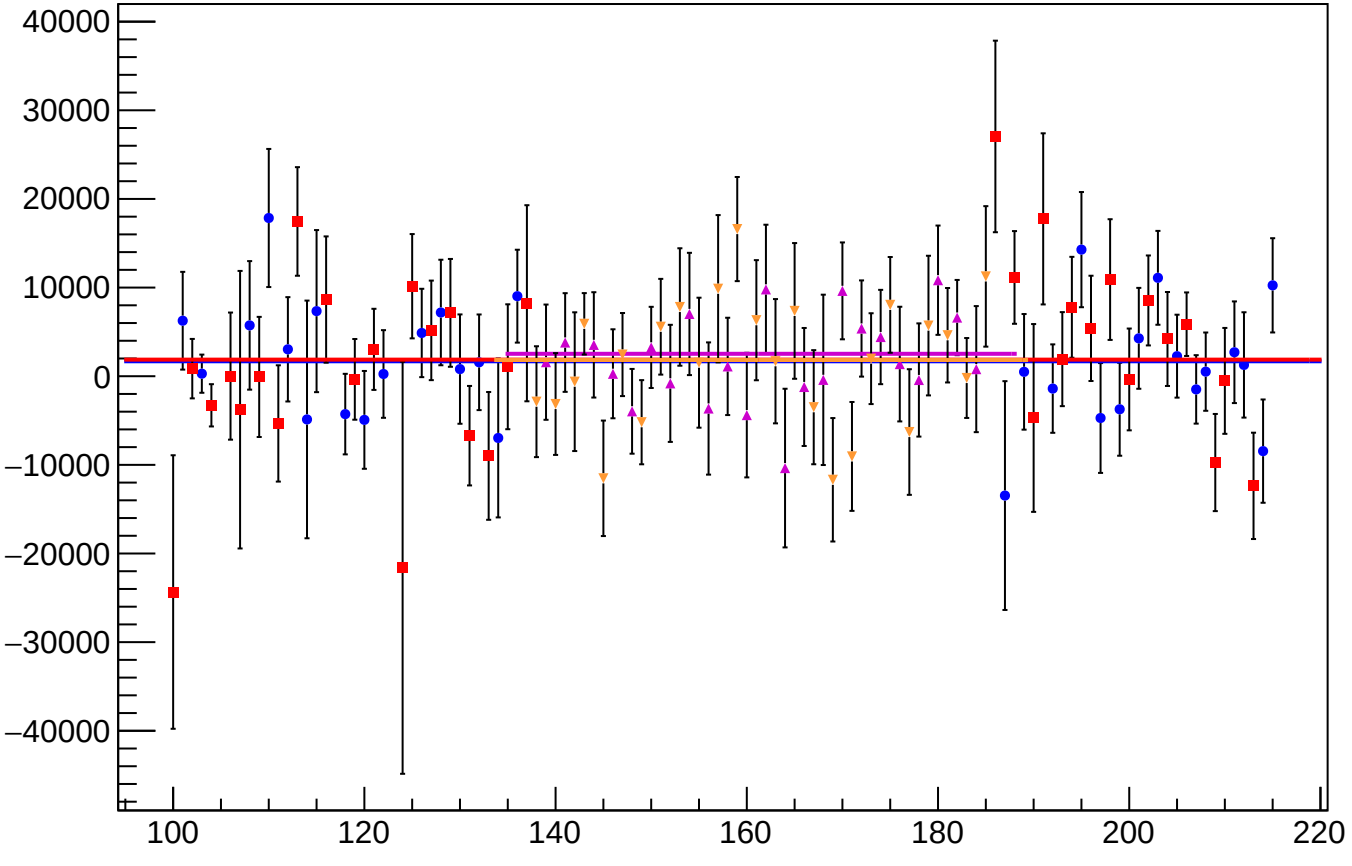
Right: 2309.823+/-0.330 χ^2/NDF: 26455514.2/64

In: 3306.583+/-0.441 χ^2/NDF:17873248.5/53

Out: 2678.650+/-0.382 χ^2/NDF:26922355.5/58

All: 2947.891+/-0.289 χ^2/NDF: 45955134.8/1

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1685.235+/-936.299 χ^2/NDF: 31.3/30

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 1871.520+/-952.762 χ^2/NDF: 54.3/33

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

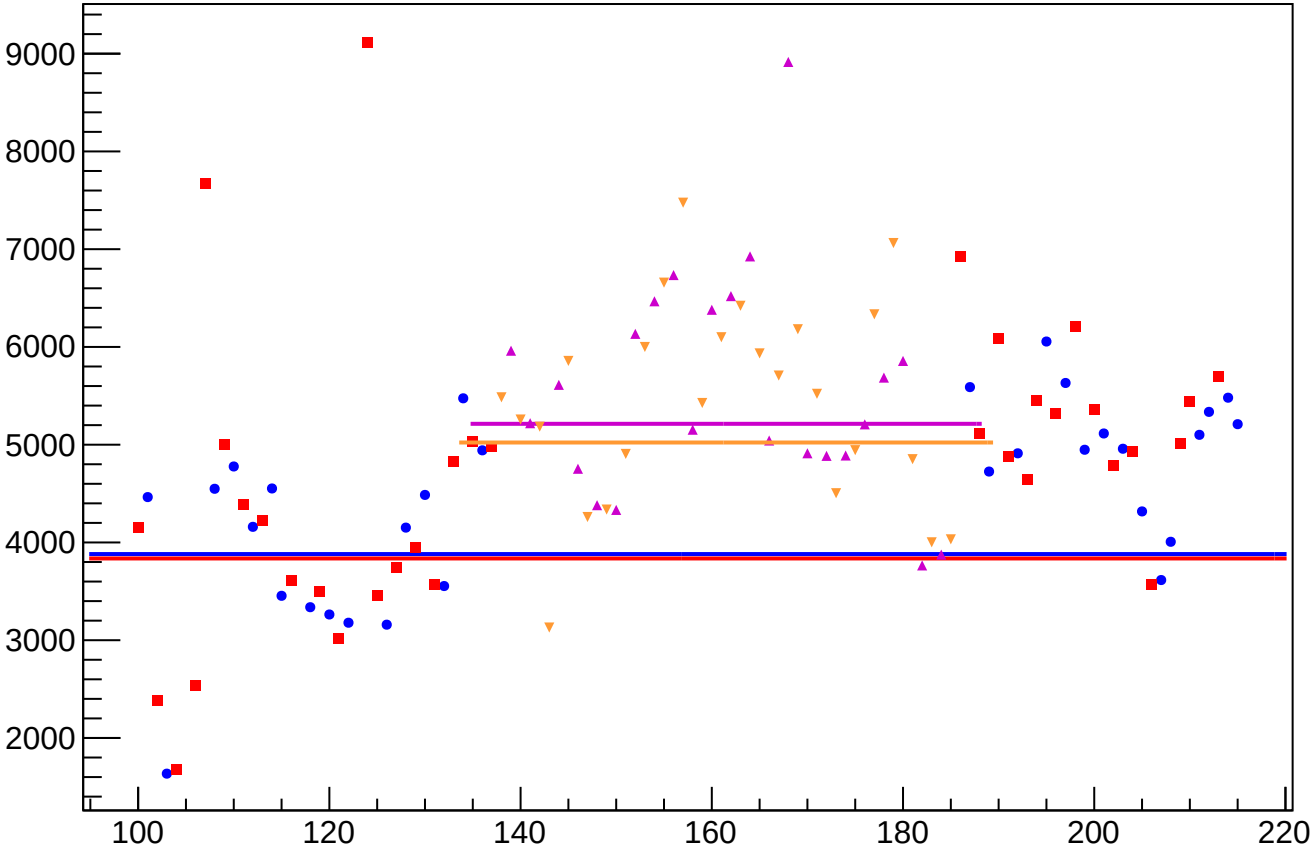
Right: 1776.754+/-667.808 χ^2/NDF: 85.6/64

In: 1991.160+/-747.659 χ^2/NDF:44.8/53

Out: 1853.496+/-739.414 χ^2/NDF:85.4/58

All: 1921.565+/-525.735 χ^2/NDF: 130.2/112

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3881.277+/-0.662 χ^2/NDF: 3880034.3/30

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3836.304+/-0.667 χ^2/NDF: 4380473.1/33

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

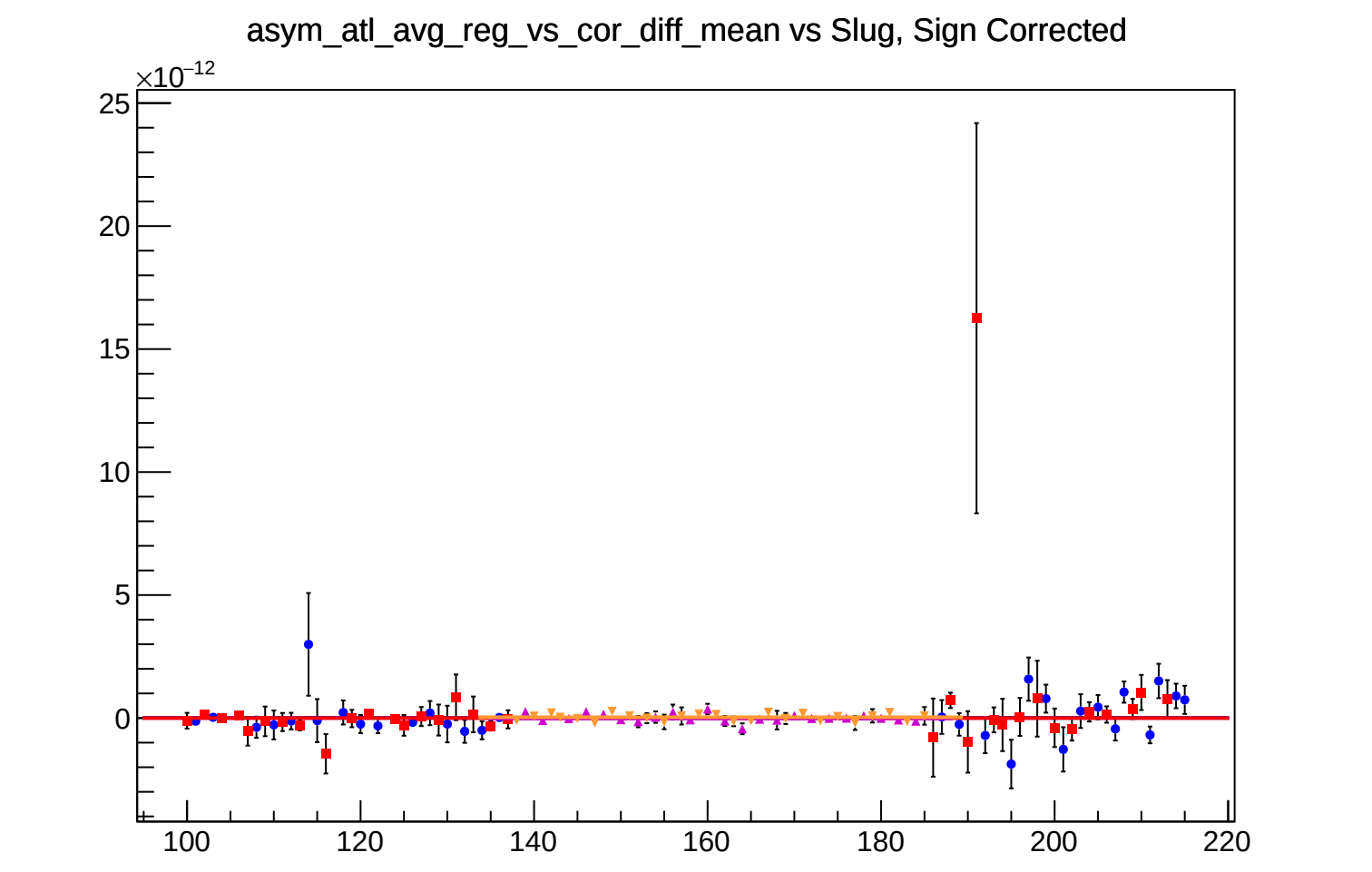
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3858.973+/-0.470 χ^2/NDF: 8262795.8/64

In: 4364.061+/-0.529 χ^2/NDF:6570708.4/53

Out: 4302.749+/-0.520 χ^2/NDF:7298935.4/58

All: 4332.893+/-0.371 χ^2/NDF: 13876481.2/1



Right In: 0.000+/-0.000 χ^2/NDF: 44.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/33

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

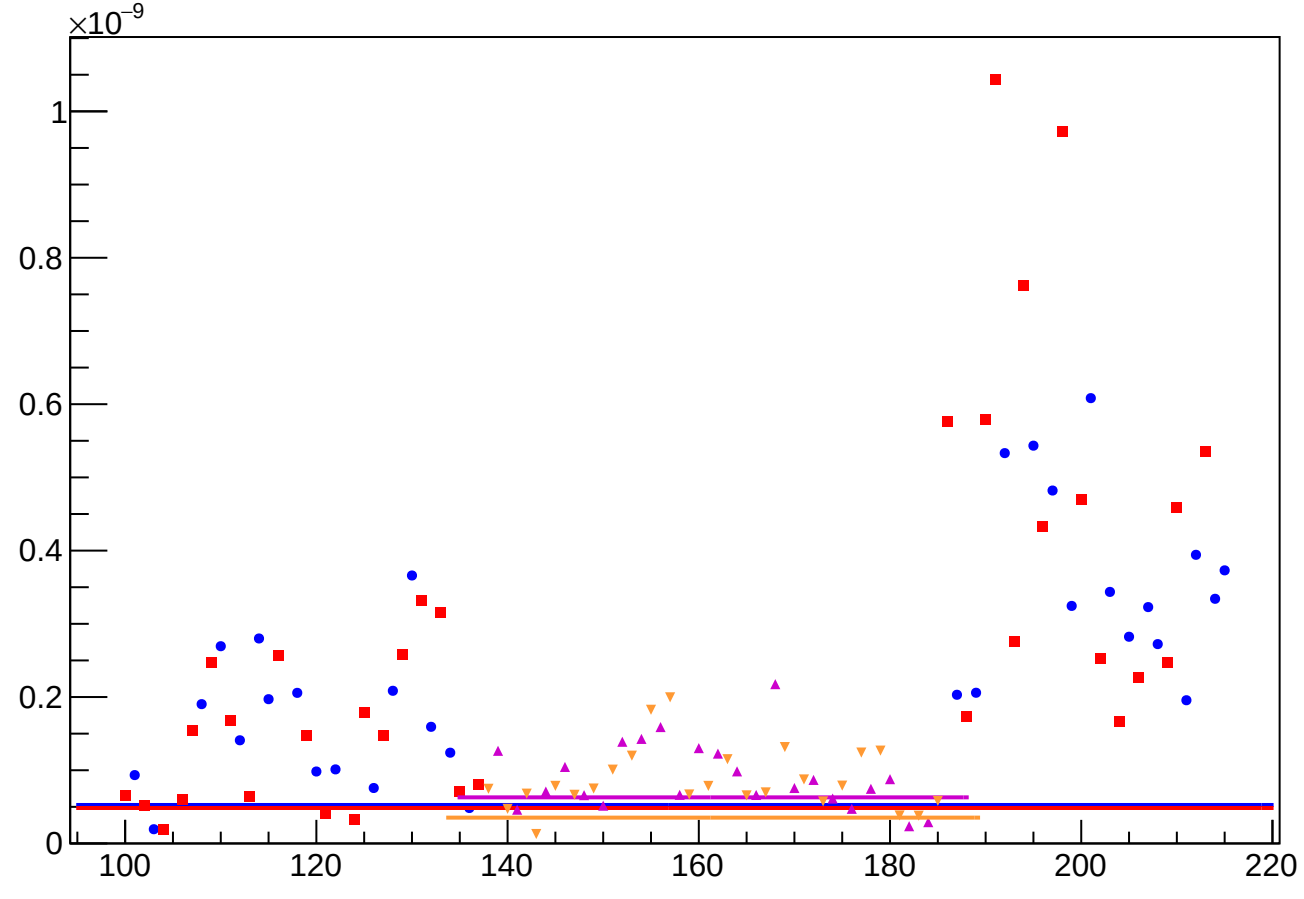
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: 0.000+/-0.000 χ^2/NDF: 75.6/64

In: -0.000+/-0.000 χ^2/NDF:63.5/53

Out: 0.000+/-0.000 χ^2/NDF:57.3/58

All: 0.000+/-0.000 χ^2/NDF: 122.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 10698989.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10052841.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

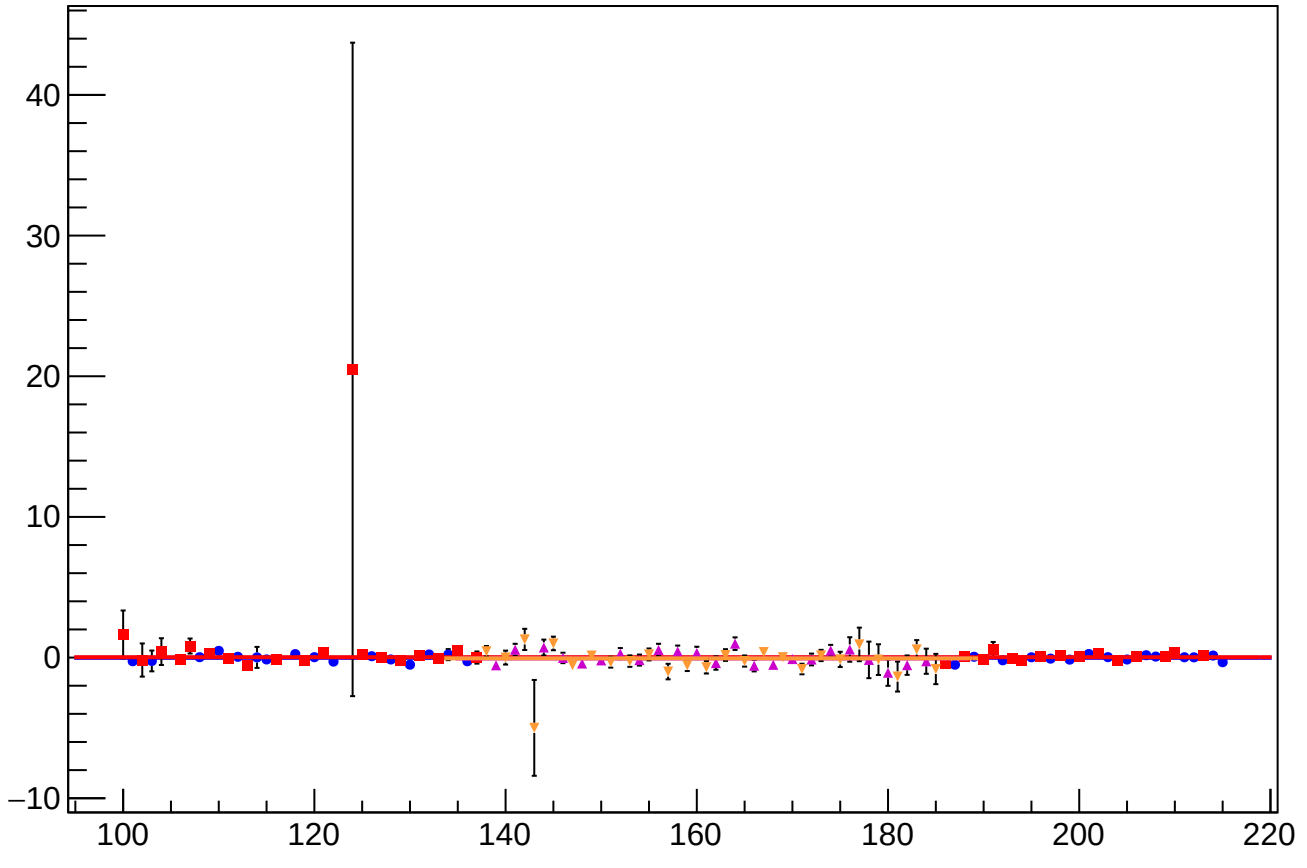
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 20767926.6/64

In: 0.000+/-0.000 χ^2/NDF:13750047.7/53

Out: 0.000+/-0.000 χ^2/NDF:16822361.9/58

All: 0.000+/-0.000 χ^2/NDF: 31725867.9/112



Right In: -0.017+/-0.033 χ^2/NDF: 35.8/30

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.026+/-0.034 χ^2/NDF: 35.9/33

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

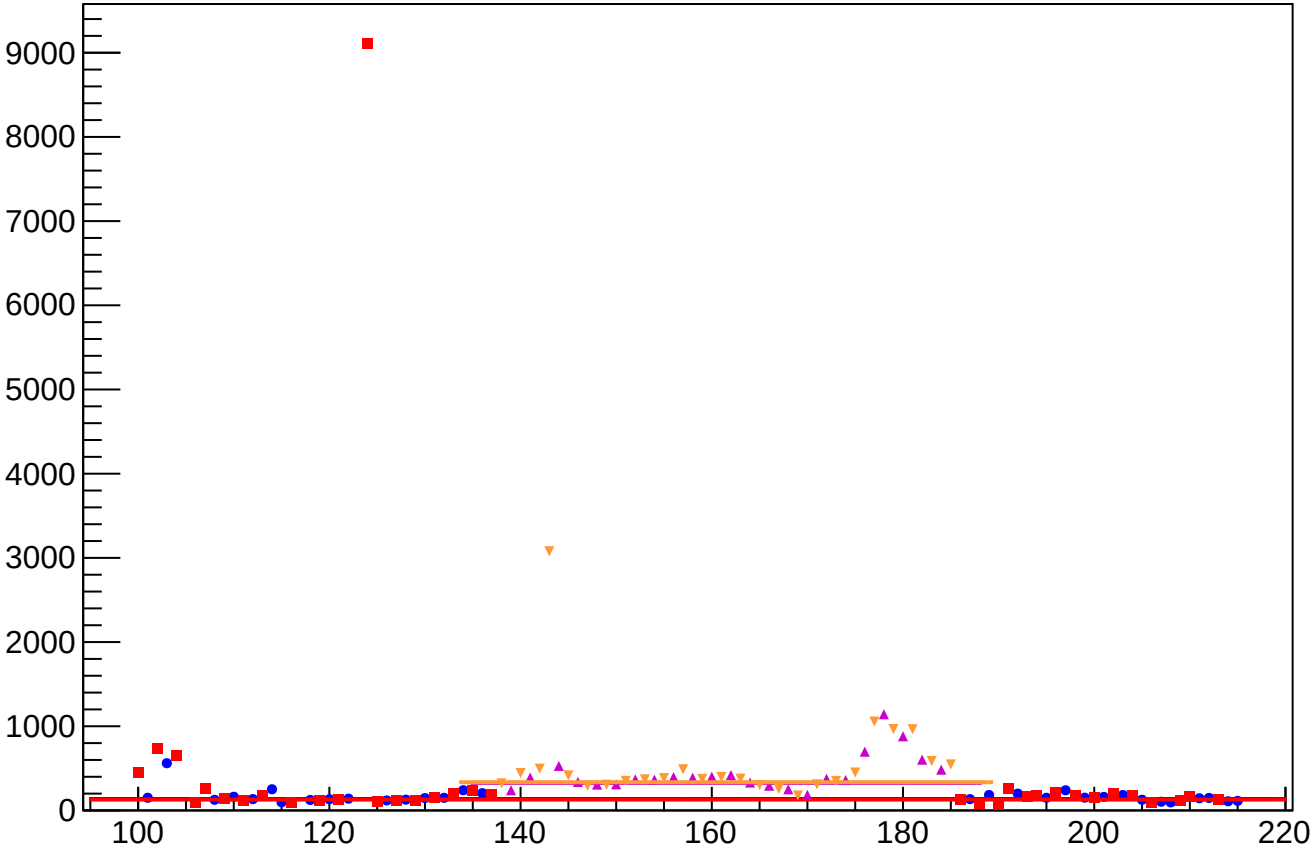
Right: 0.004+/-0.024 χ^2/NDF: 72.5/64

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: -0.004+/-0.022 χ^2/NDF: 134.6/112

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 135.928+/-0.024 χ^2/NDF: 2486141.7/30

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.713+/-0.024 χ^2/NDF: 4273317.8/33

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

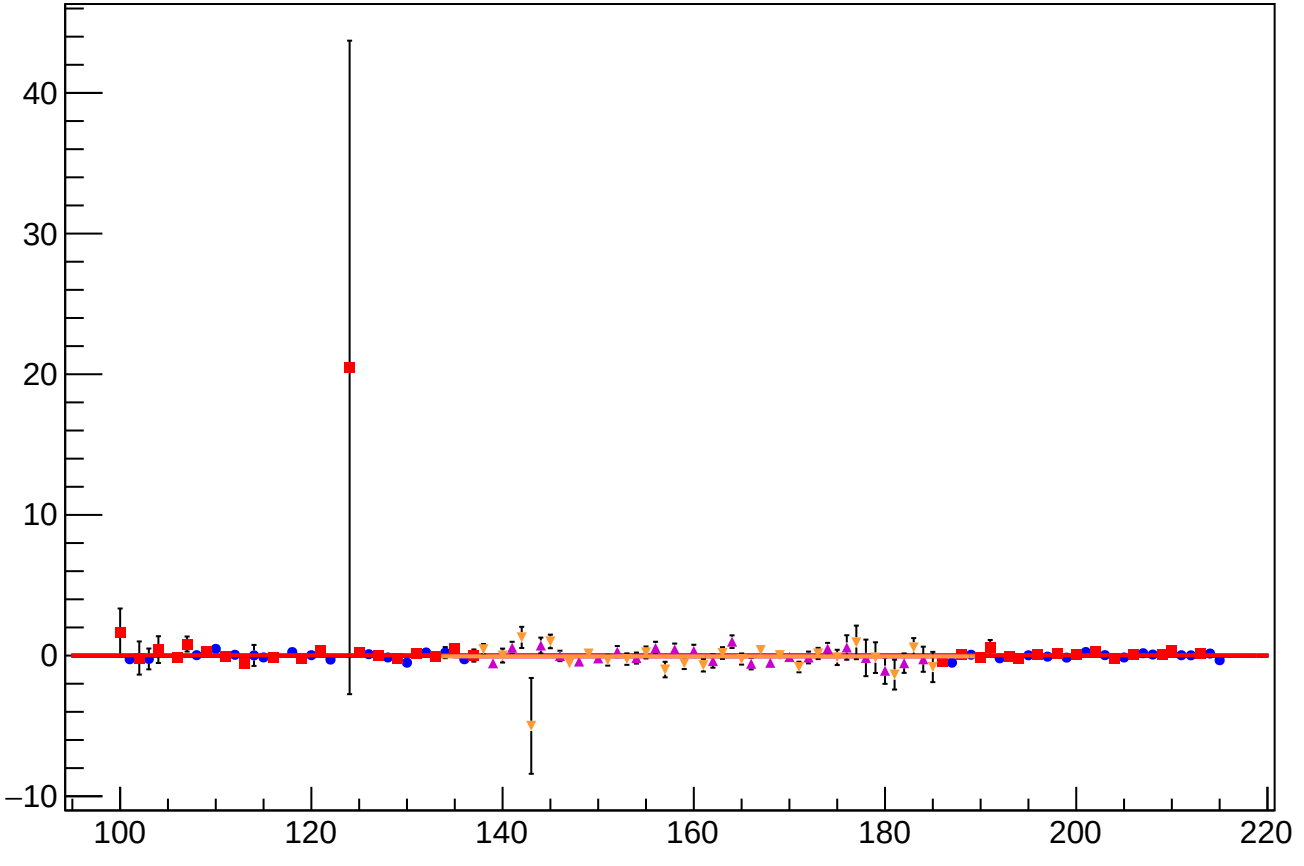
Right: 132.835+/-0.017 χ^2/NDF: 6793757.6/64

In: 162.887+/-0.022 χ^2/NDF:15859794.6/53

Out: 157.756+/-0.022 χ^2/NDF:20308493.0/58

All: 160.340+/-0.016 χ^2/NDF: 36195436.1/11

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.033 χ^2/NDF: 35.8/30

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.026+/-0.034 χ^2/NDF: 35.9/33

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

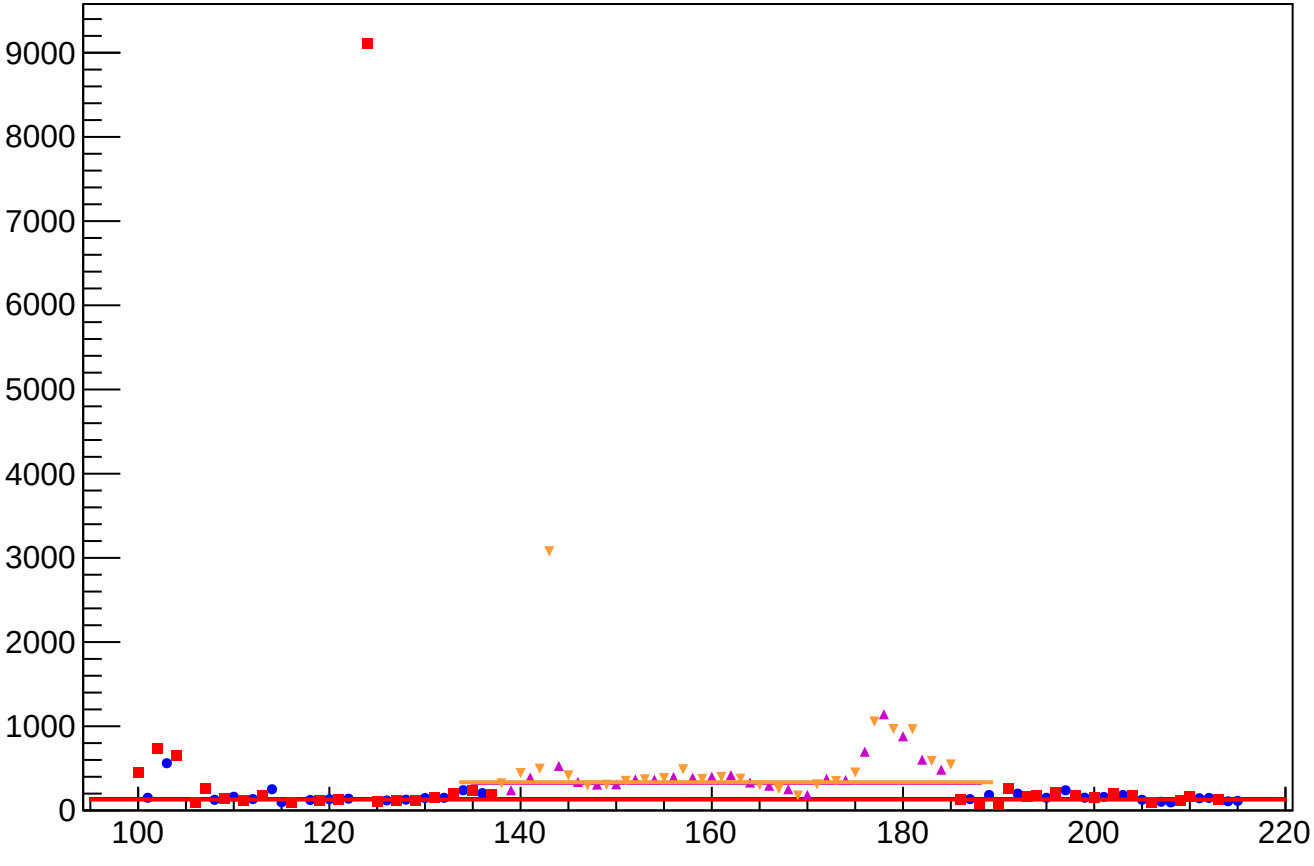
Right: 0.004+/-0.024 χ^2/NDF: 72.5/64

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: -0.004+/-0.022 χ^2/NDF: 134.6/112

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 135.928+/-0.024 χ^2/NDF: 2486141.7/30

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.713+/-0.024 χ^2/NDF: 4273317.8/33

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

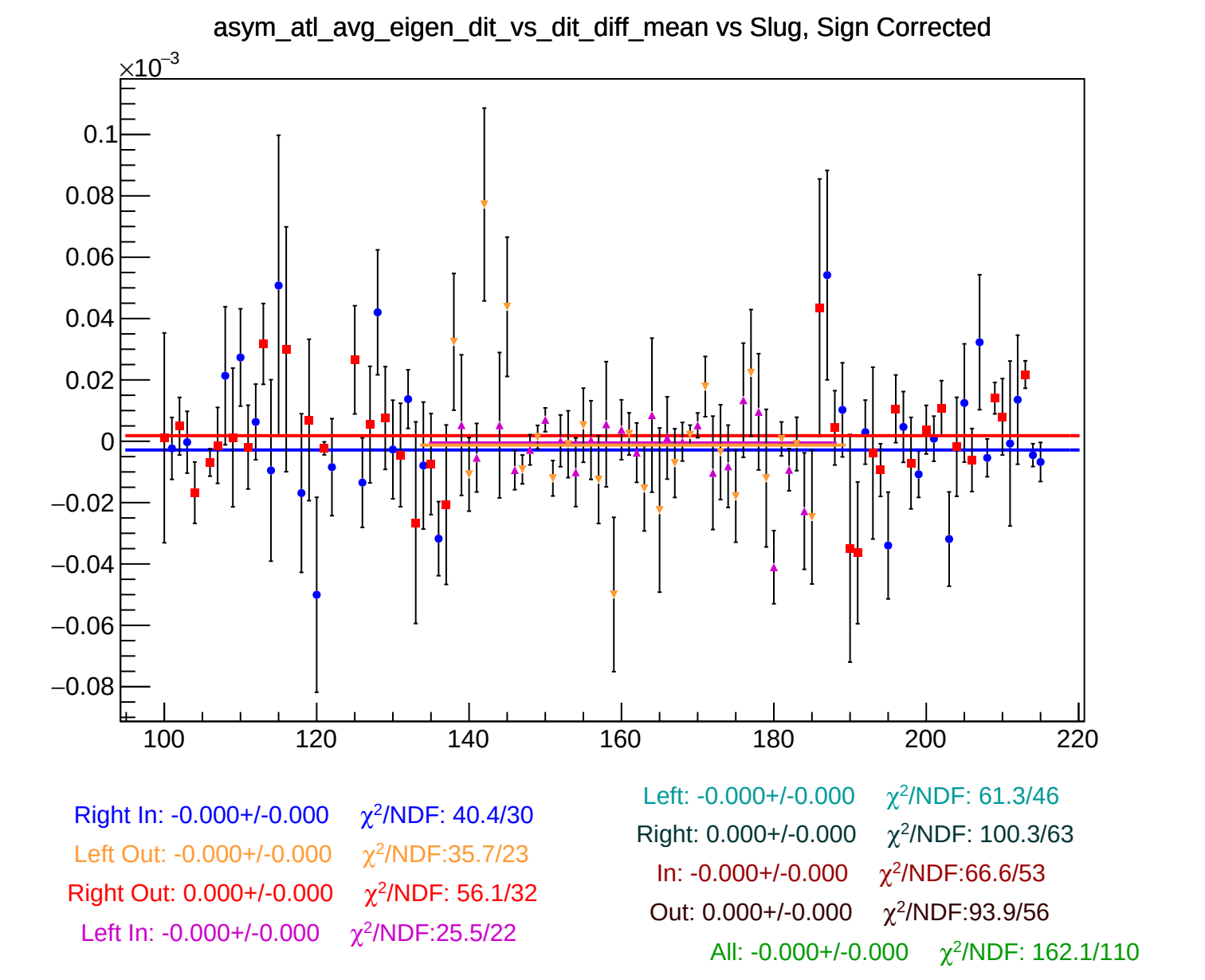
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

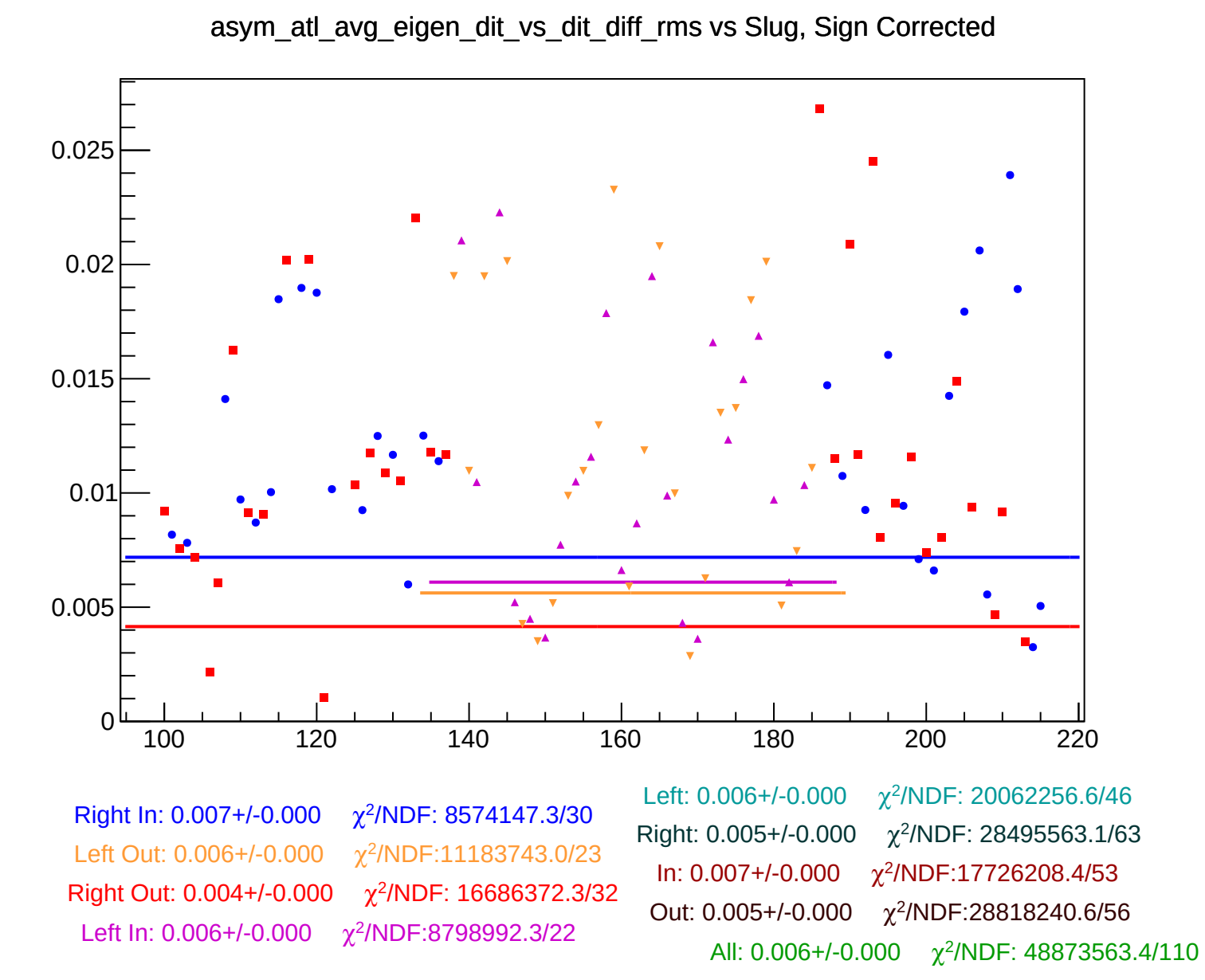
Right: 132.835+/-0.017 χ^2/NDF: 6793757.6/64

In: 162.887+/-0.022 χ^2/NDF:15859794.6/53

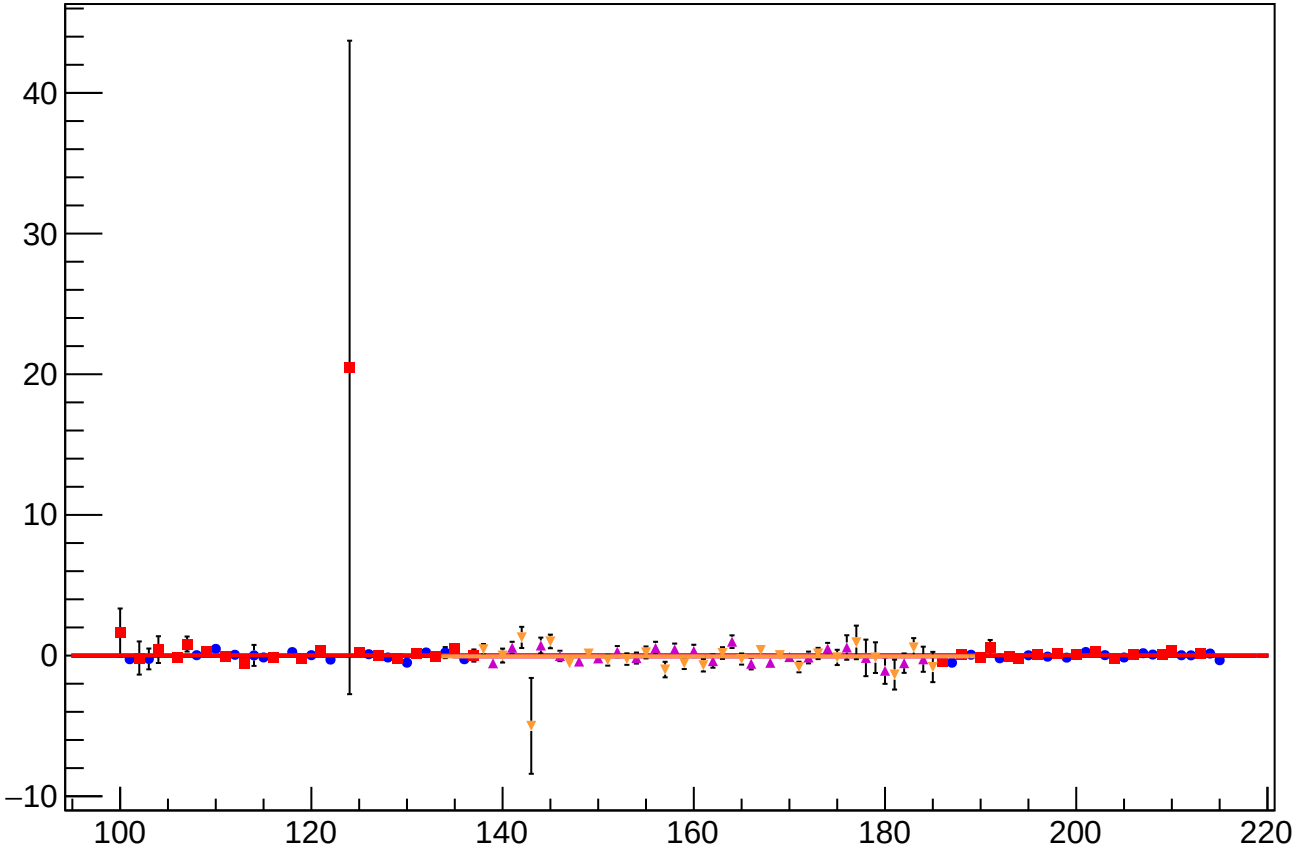
Out: 157.756+/-0.022 χ^2/NDF:20308493.0/58

All: 160.340+/-0.016 χ^2/NDF: 36195436.1/11


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: 40.4/30
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 56.1/32
Left In: -0.000+/-0.000 χ²/NDF:25.5/22
Left: -0.000+/-0.000 χ²/NDF: 61.3/46
Right: 0.000+/-0.000 χ²/NDF: 100.3/63
In: -0.000+/-0.000 χ²/NDF:66.6/53
Out: 0.000+/-0.000 χ²/NDF:93.9/56
All: -0.000+/-0.000 χ²/NDF: 162.1/110


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.007+/-0.000 χ²/NDF: 8574147.3/30
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 16686372.3/32
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
Left: 0.006+/-0.000 χ²/NDF: 20062256.6/46
Right: 0.005+/-0.000 χ²/NDF: 28495563.1/63
In: 0.007+/-0.000 χ²/NDF:17726208.4/53
Out: 0.005+/-0.000 χ²/NDF:28818240.6/56
All: 0.006+/-0.000 χ²/NDF: 48873563.4/110

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.033 χ^2/NDF: 35.8/30

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.026+/-0.034 χ^2/NDF: 35.9/33

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

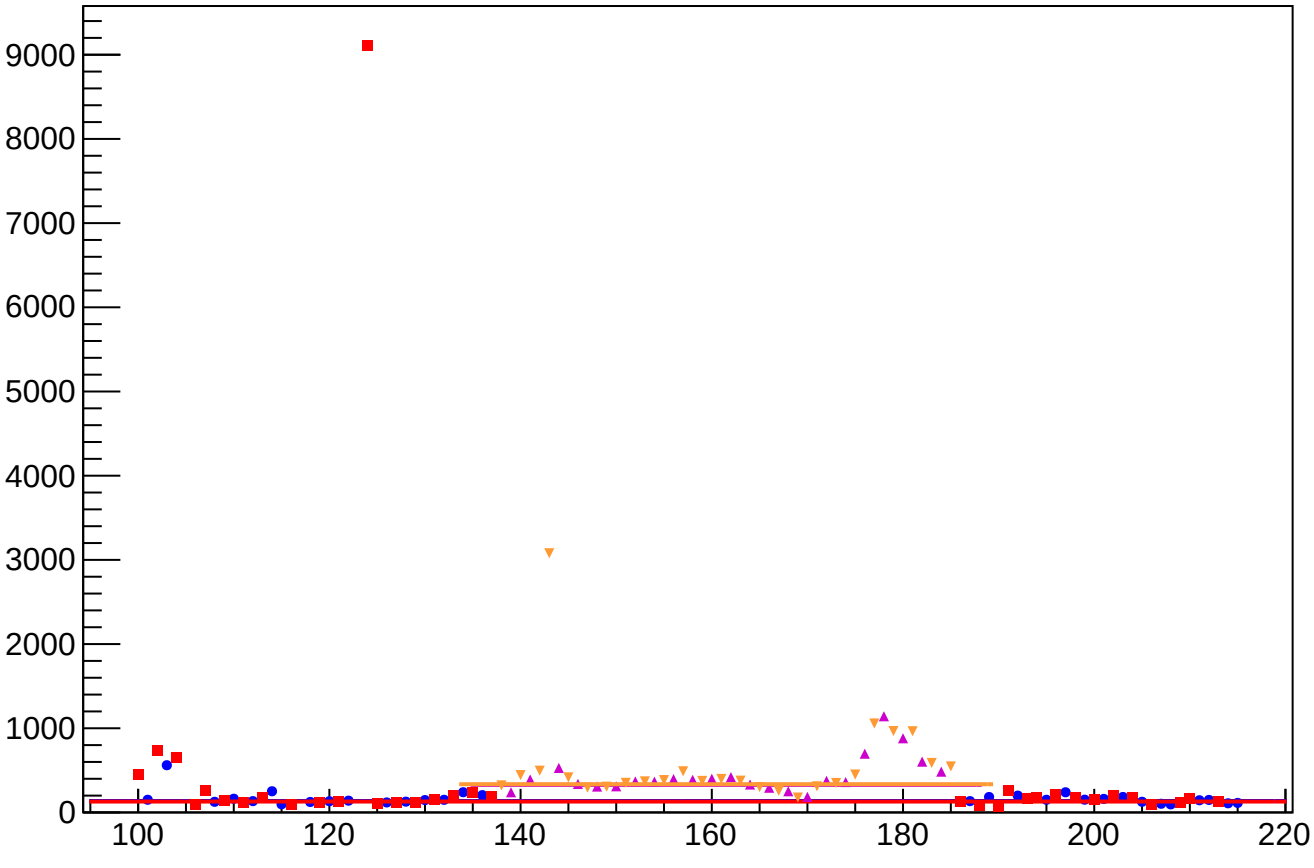
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.004+/-0.024 χ^2/NDF: 72.5/64

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: -0.004+/-0.022 χ^2/NDF: 134.6/112



Right In: 135.925+/-0.024 χ^2/NDF: 2486353.2/30

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 129.711+/-0.024 χ^2/NDF: 4273437.6/33

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

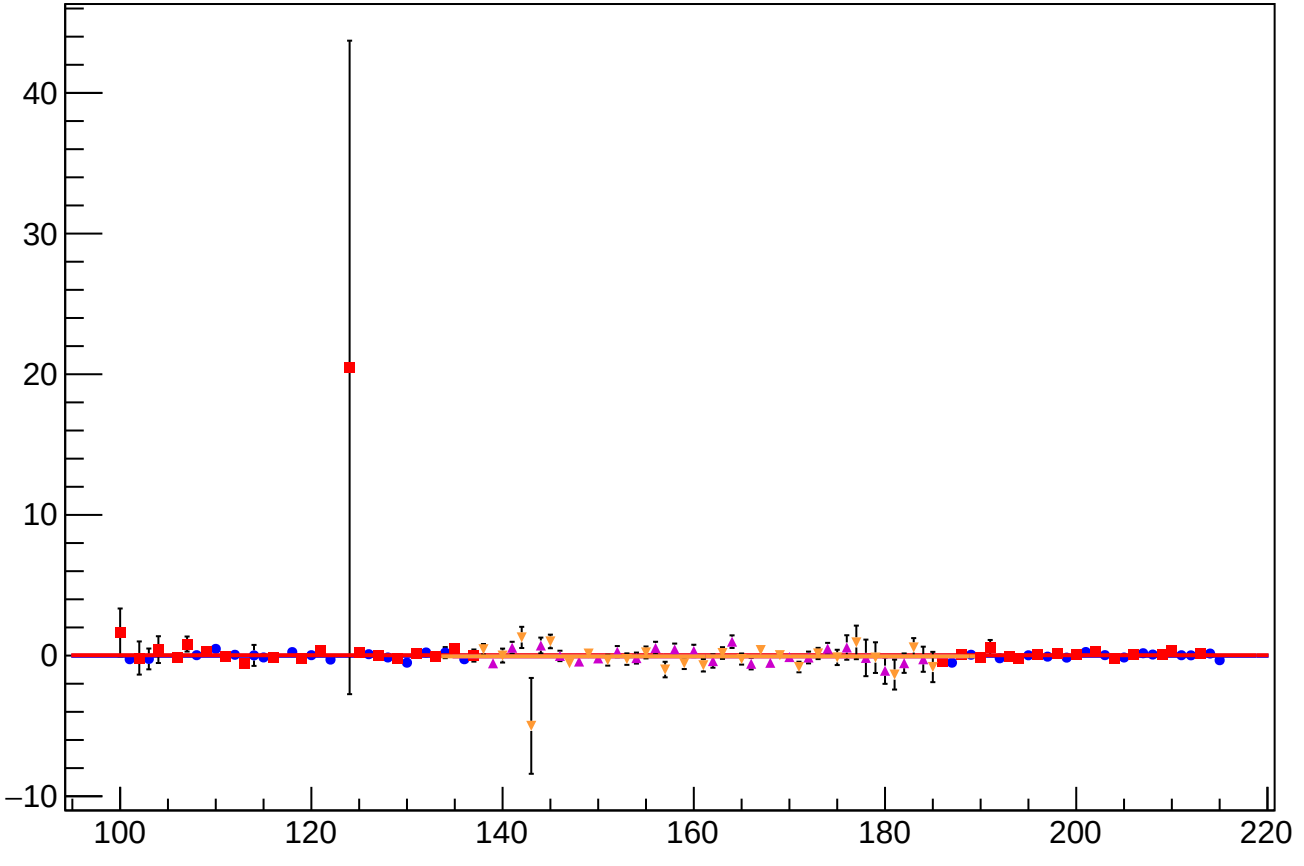
Right: 132.833+/-0.017 χ^2/NDF: 6794083.0/64

In: 162.884+/-0.022 χ^2/NDF:15860458.3/53

Out: 157.753+/-0.022 χ^2/NDF:20309017.2/58

All: 160.337+/-0.016 χ^2/NDF: 36196618.1/11

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.033 χ^2/NDF: 35.8/30

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.026+/-0.034 χ^2/NDF: 35.9/33

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

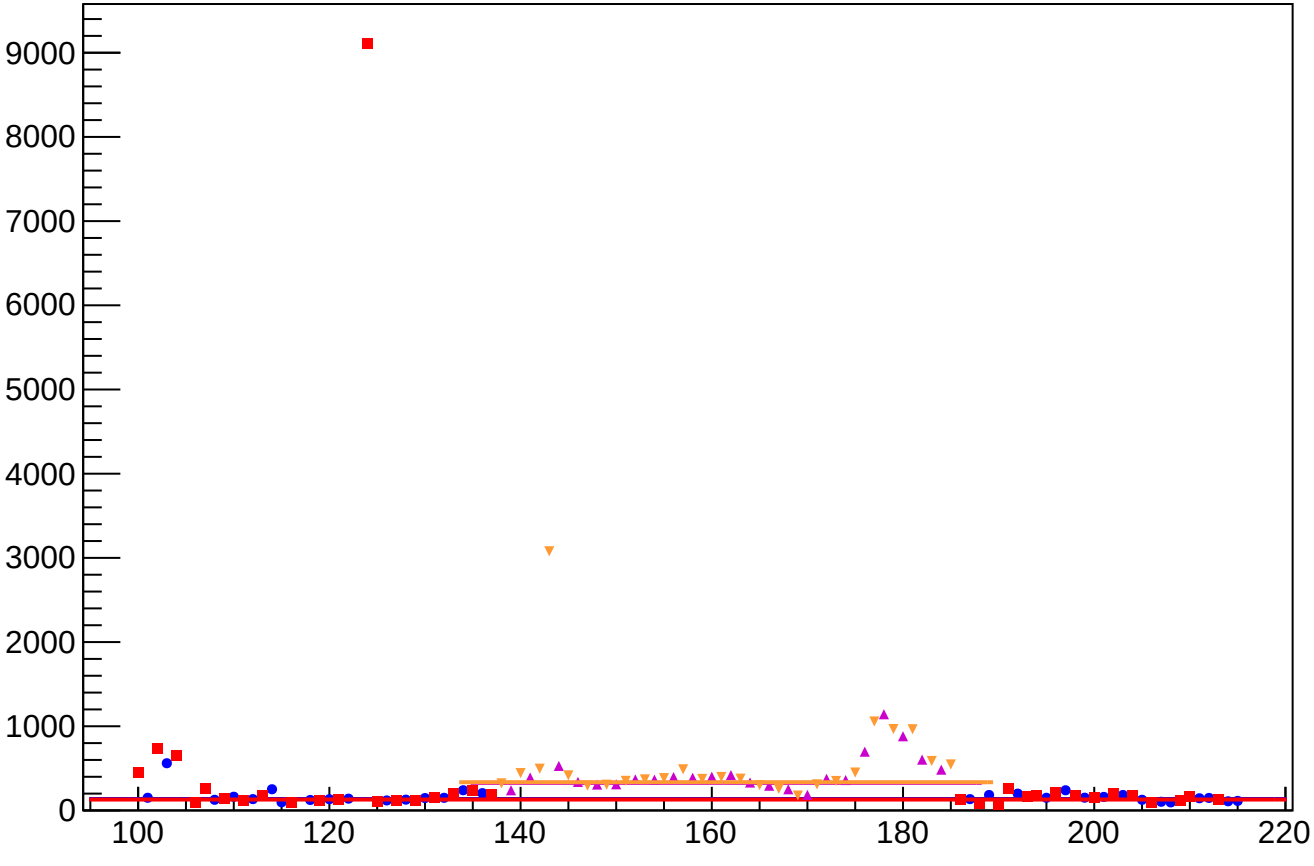
Right: 0.004+/-0.024 χ^2/NDF: 72.5/64

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.015+/-0.031 χ^2/NDF:69.8/58

All: -0.004+/-0.022 χ^2/NDF: 134.6/112

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 135.925+/-0.024 χ^2/NDF: 2486353.2/30

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 129.711+/-0.024 χ^2/NDF: 4273437.6/33

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

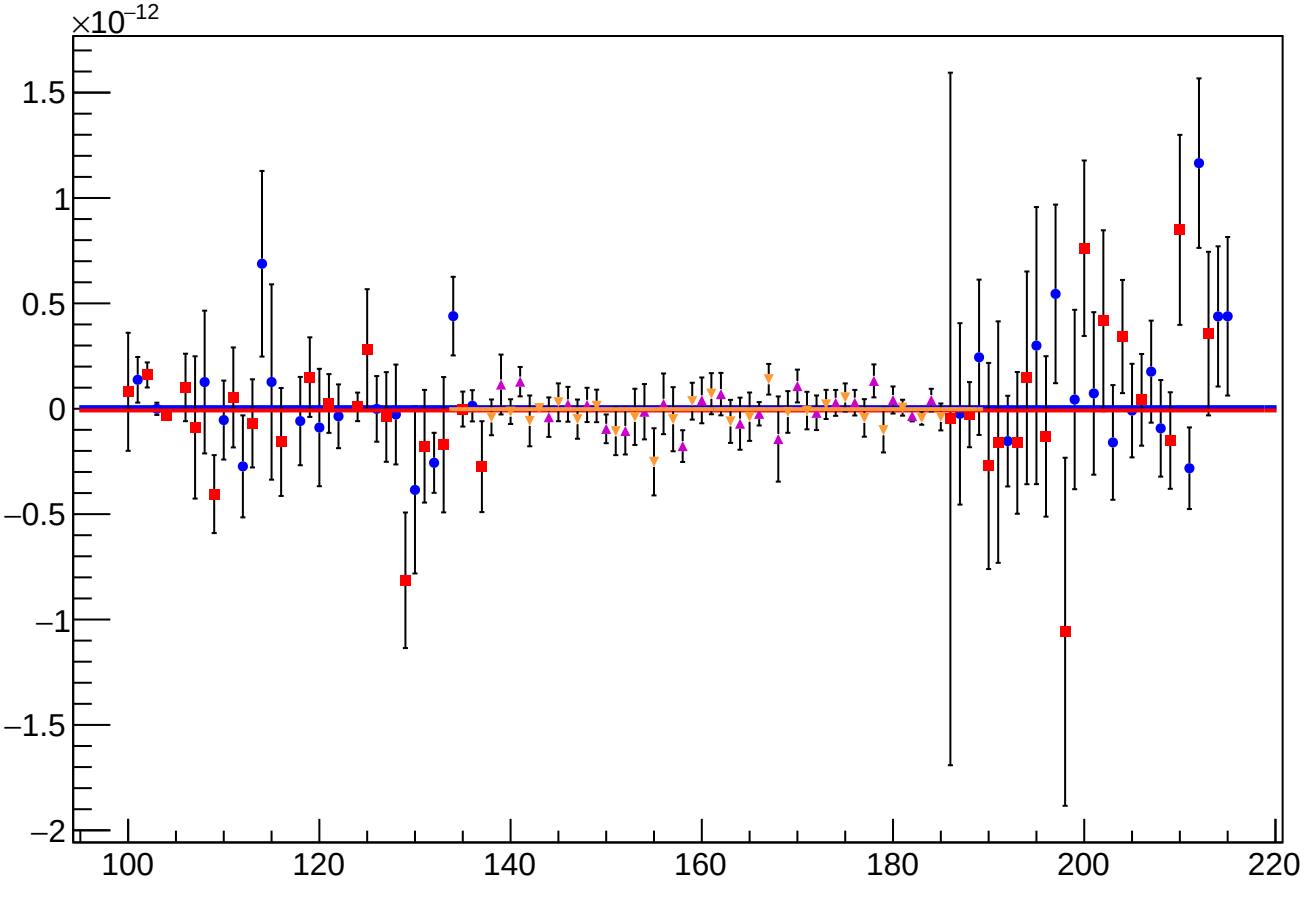
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 132.833+/-0.017 χ^2/NDF: 6794083.0/64

In: 162.884+/-0.022 χ^2/NDF:15860458.3/53

Out: 157.753+/-0.022 χ^2/NDF:20309017.2/58

All: 160.337+/-0.016 χ^2/NDF: 36196618.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.6/33

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

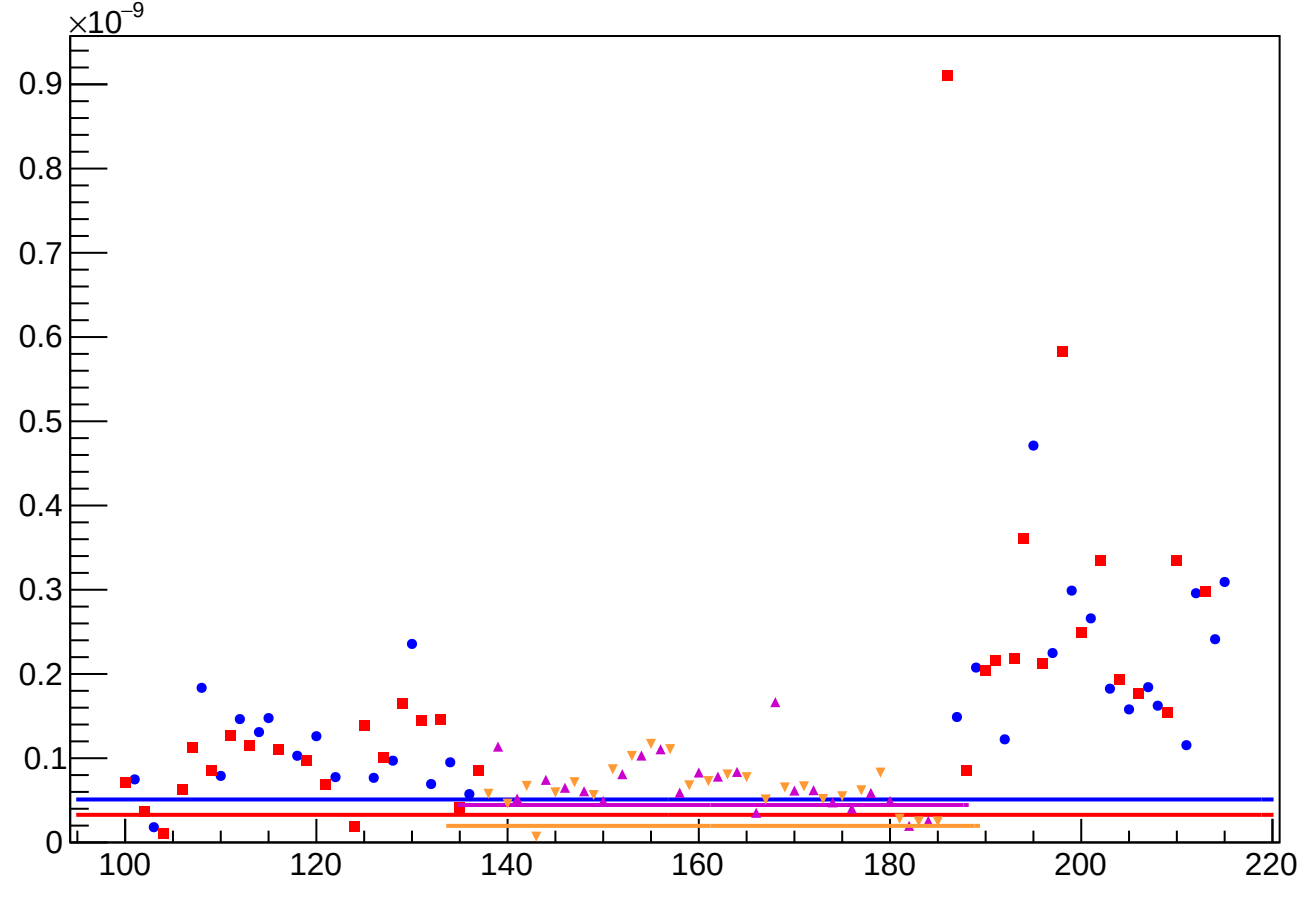
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 71.9/64

In: 0.000+/-0.000 χ^2/NDF:55.6/53

Out: -0.000+/-0.000 χ^2/NDF:52.3/58

All: -0.000+/-0.000 χ^2/NDF: 108.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 12264481.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14609480.0/33

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

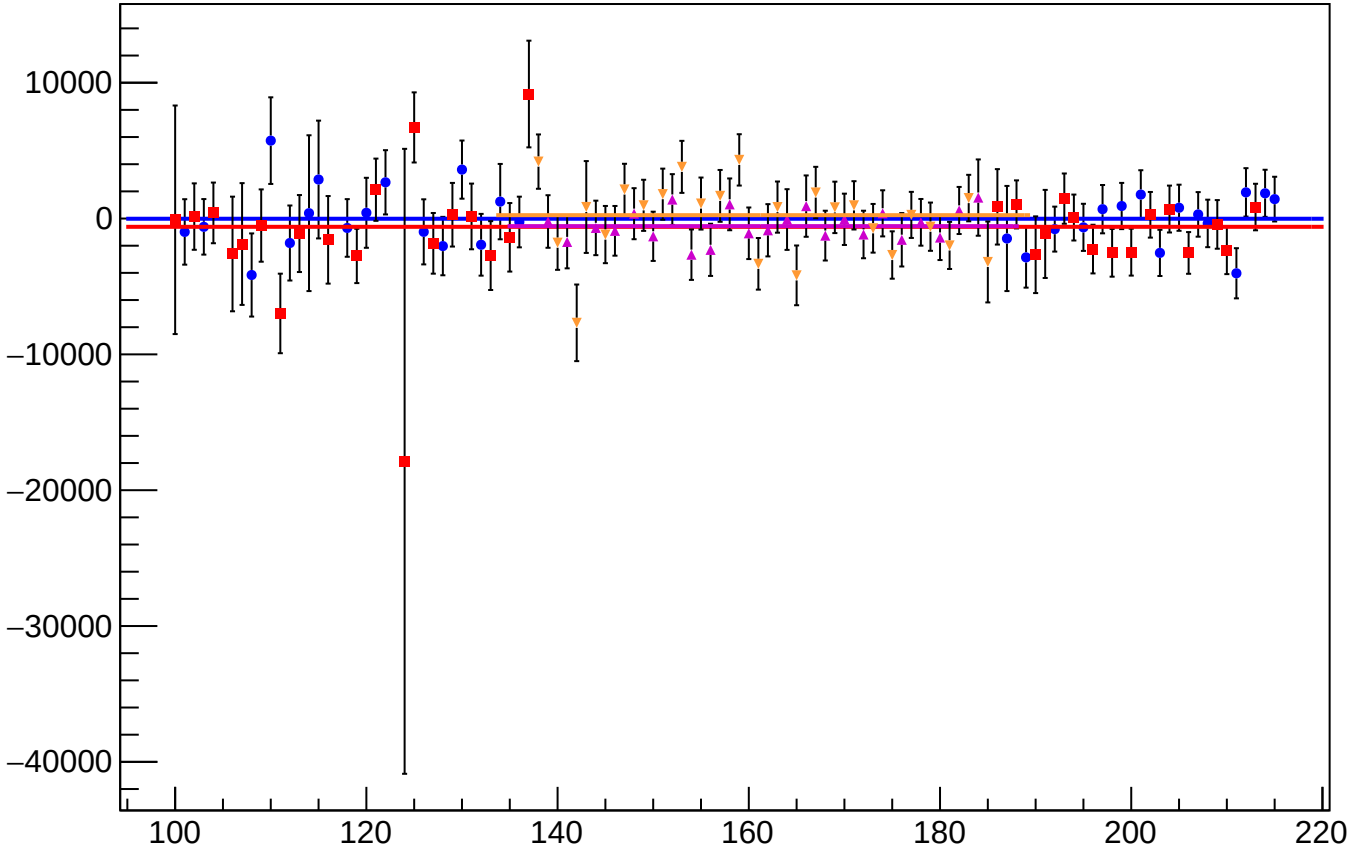
Right: 0.000+/-0.000 χ^2/NDF: 27659020.8/64

In: 0.000+/-0.000 χ^2/NDF:18303454.8/53

Out: 0.000+/-0.000 χ^2/NDF:30360953.9/58

All: 0.000+/-0.000 χ^2/NDF: 54521539.9/112

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -14.954+/-371.586 χ^2/NDF: 26.4/30

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -609.384+/-381.848 χ^2/NDF: 34.6/33

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

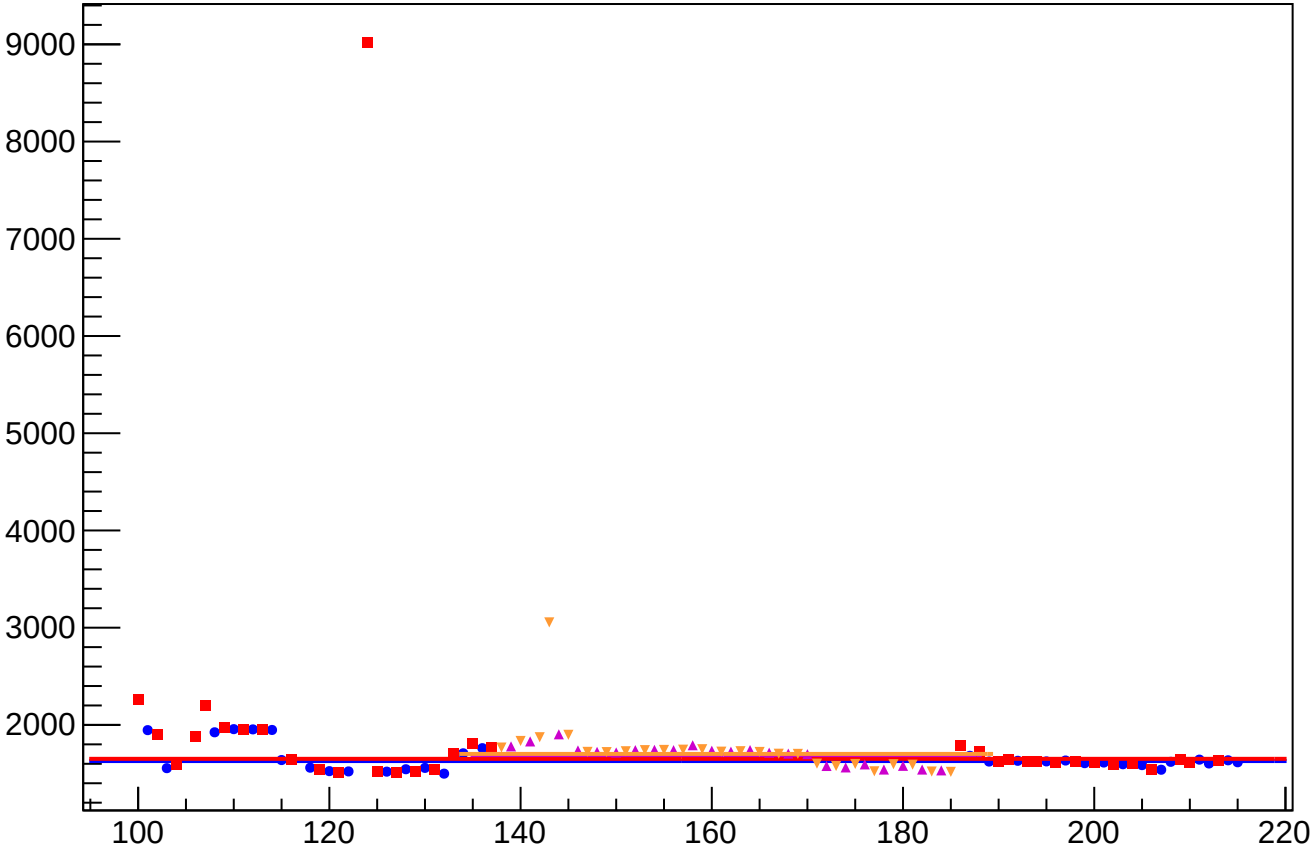
Right: -304.074+/-266.305 χ^2/NDF: 62.2/64

In: -270.765+/-270.686 χ^2/NDF:34.9/53

Out: -188.341+/-272.441 χ^2/NDF:76.6/58

All: -229.819+/-192.022 χ^2/NDF: 111.6/112

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.220+/-0.263 χ^2/NDF: 157803.7/30

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1651.077+/-0.270 χ^2/NDF: 422956.6/33

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

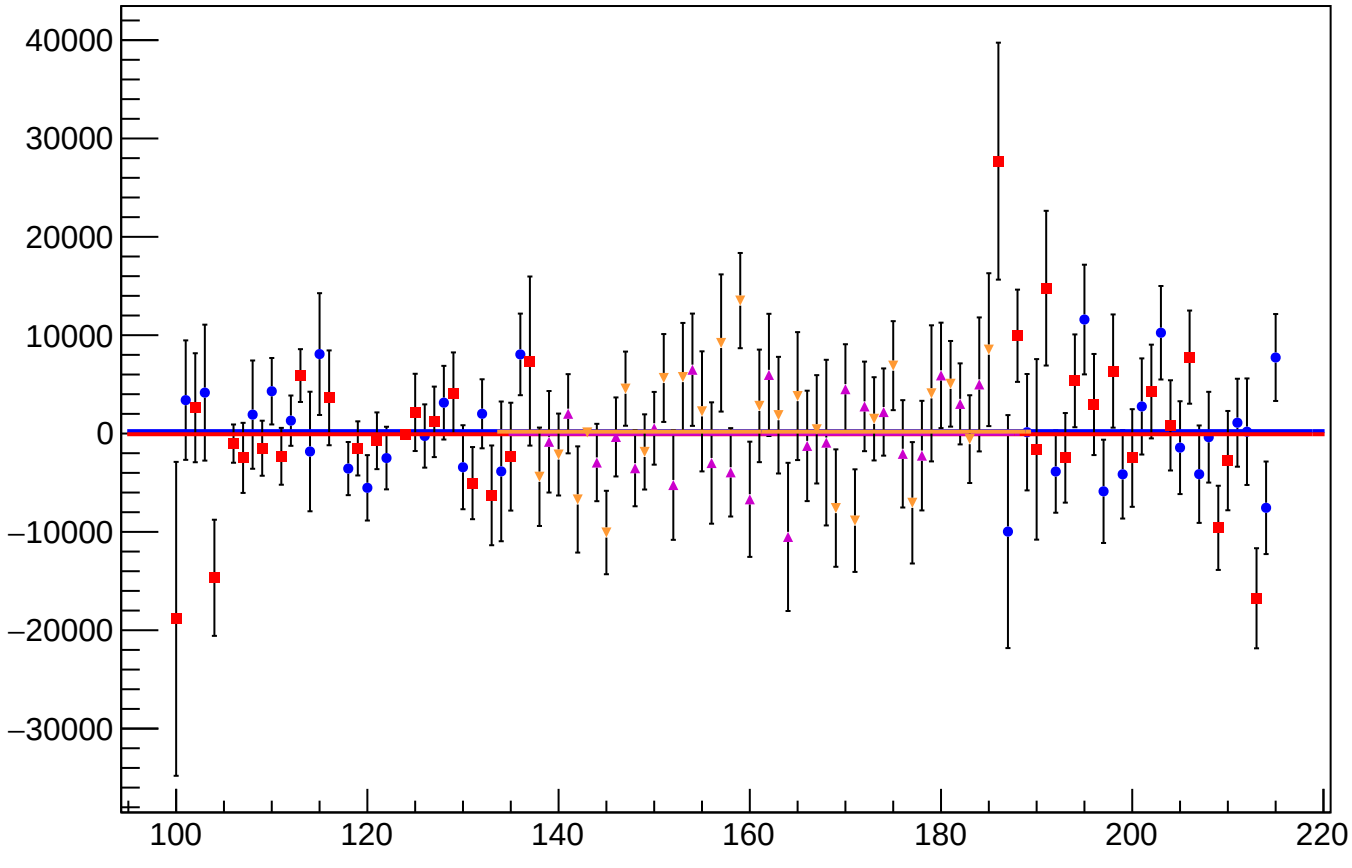
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.356+/-0.188 χ^2/NDF: 584447.5/64

In: 1656.868+/-0.191 χ^2/NDF:305450.8/53

Out: 1675.830+/-0.192 χ^2/NDF:892541.5/58

All: 1666.296+/-0.136 χ^2/NDF: 1202872.1/11



Right In: 245.123+/-768.693 χ^2/NDF: 34.7/30

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -70.951+/-314.760 χ^2/NDF: 57.3/33

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

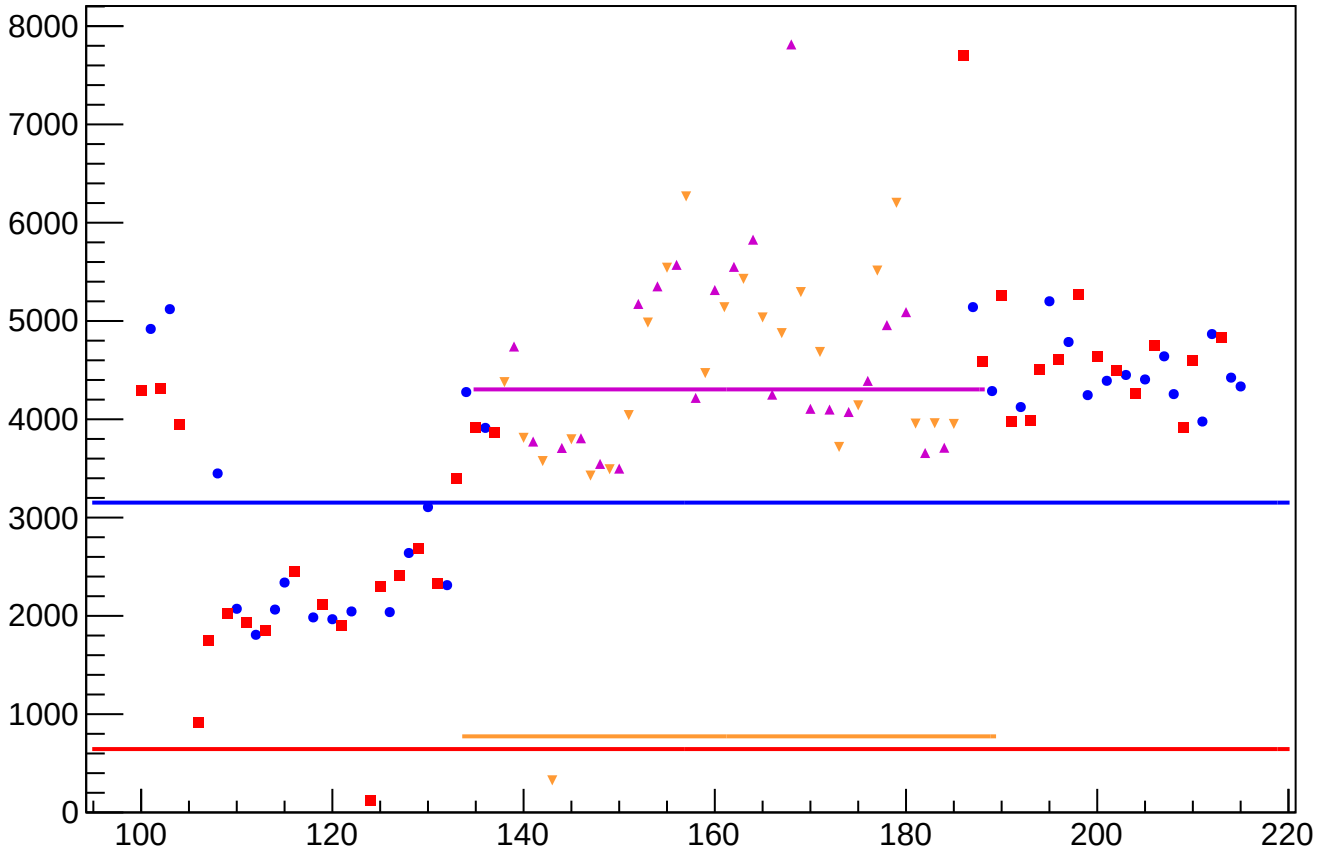
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -25.565+/-291.286 χ^2/NDF: 92.1/64

In: 146.605+/-615.075 χ^2/NDF:48.0/53

Out: 49.893+/-231.952 χ^2/NDF:91.6/58

All: 61.934+/-217.032 χ^2/NDF: 139.6/112



Right In: 3152.228+/-0.544 χ^2/NDF: 4663865.3/30

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 644.866+/-0.223 χ^2/NDF: 28990876.4/33

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

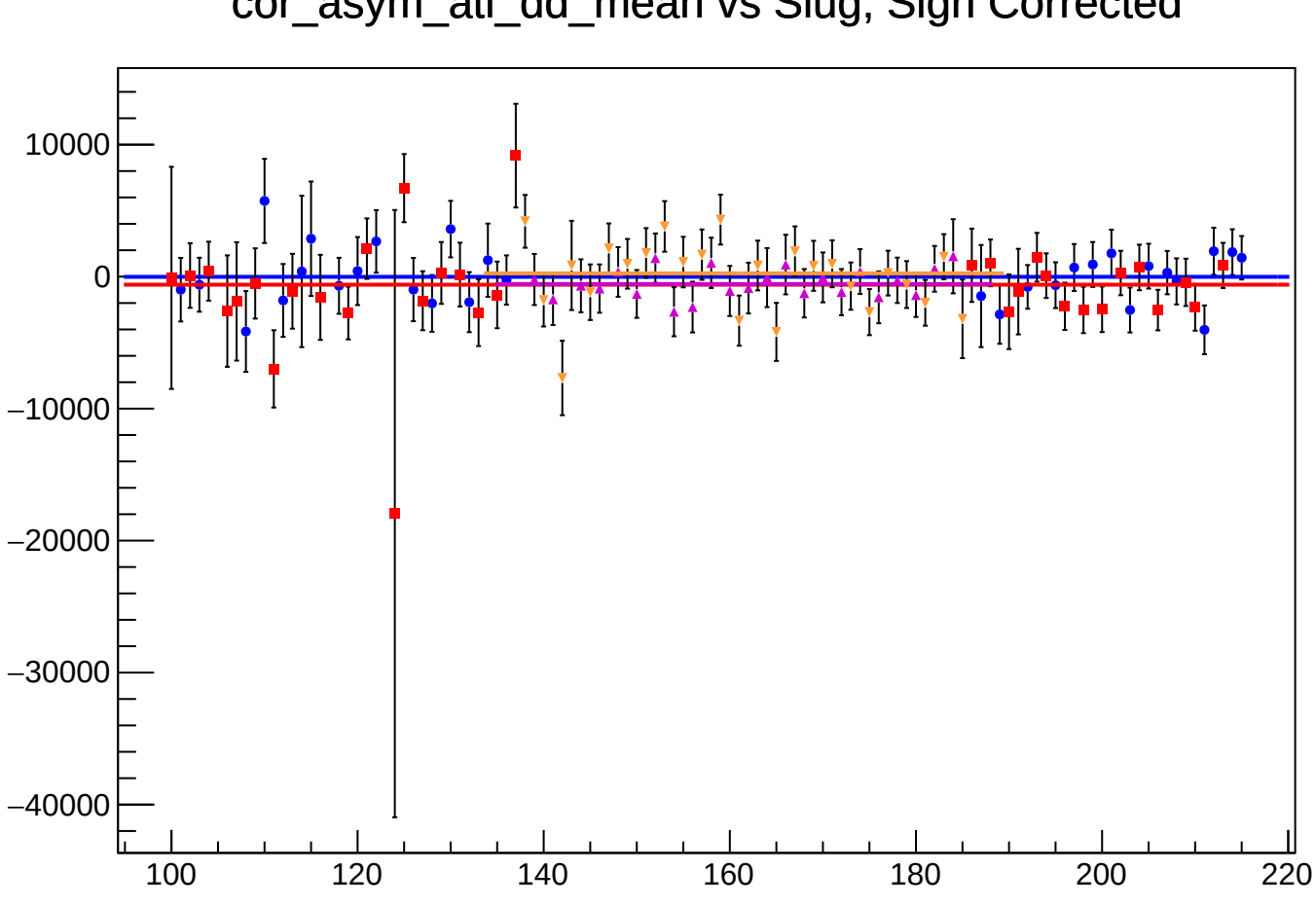
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 1004.907+/-0.206 χ^2/NDF: 51878514.6/64

In: 3566.580+/-0.435 χ^2/NDF:7495780.3/53

Out: 703.981+/-0.164 χ^2/NDF:57230840.0/58

All: 1060.393+/-0.153 χ^2/NDF: 102653607.7



Right In: -14.893+/-371.586 χ^2/NDF: 26.4/30

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -610.930+/-381.850 χ^2/NDF: 34.6/33

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

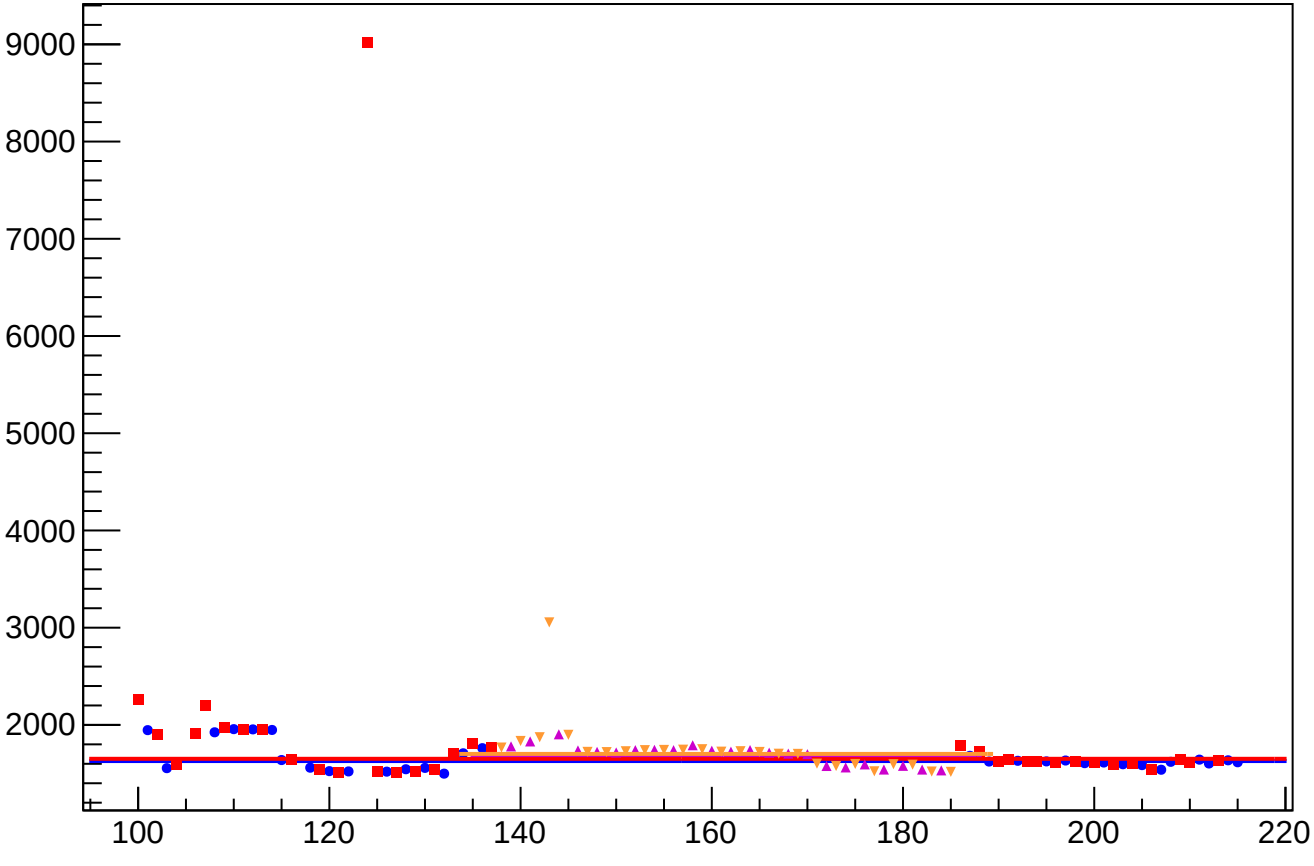
Right: -304.793+/-266.306 χ^2/NDF: 62.2/64

In: -270.717+/-270.686 χ^2/NDF:34.9/53

Out: -189.135+/-272.442 χ^2/NDF:76.6/58

All: -230.189+/-192.022 χ^2/NDF: 111.6/112

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.220+/-0.263 χ^2/NDF: 157803.7/30

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1651.351+/-0.270 χ^2/NDF: 425062.6/33

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

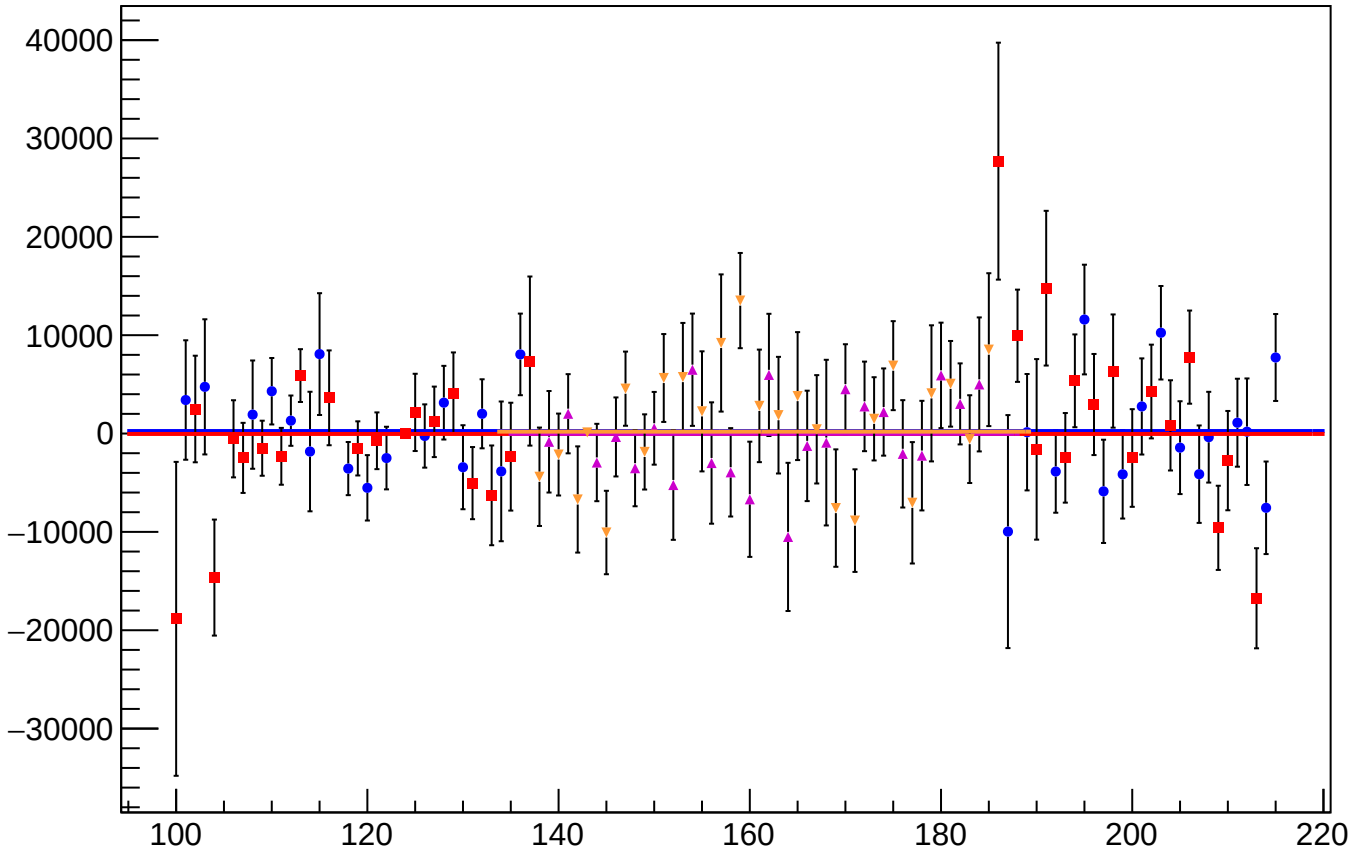
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1639.488+/-0.188 χ^2/NDF: 586641.7/64

In: 1656.868+/-0.191 χ^2/NDF:305450.8/53

Out: 1675.974+/-0.192 χ^2/NDF:894458.3/58

All: 1666.367+/-0.136 χ^2/NDF: 1204863.0/11



Right In: 253.214+/-768.632 χ^2/NDF: 34.8/30

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -41.857+/-307.430 χ^2/NDF: 57.1/33

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

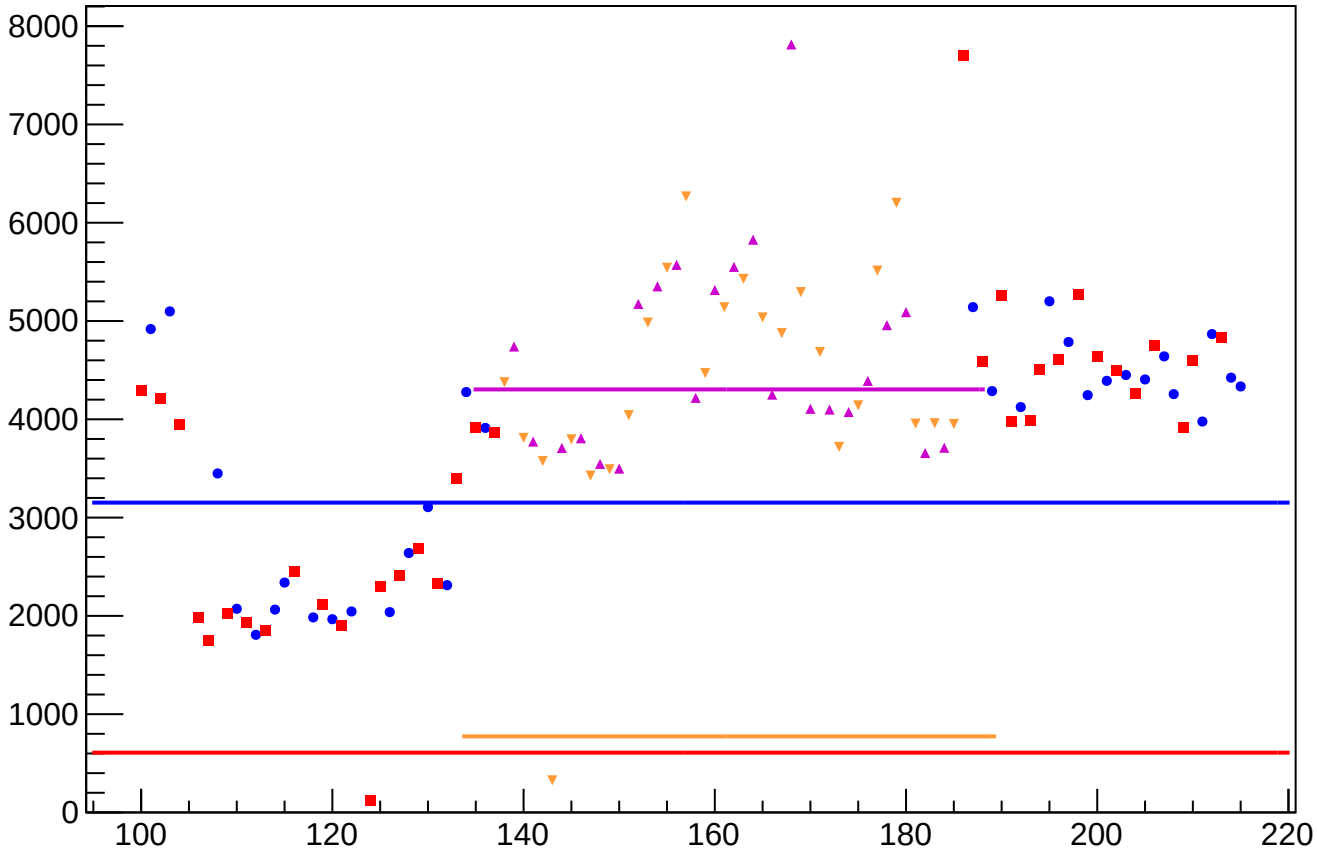
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -1.162+/-285.445 χ^2/NDF: 92.0/64

In: 151.782+/-615.043 χ^2/NDF:48.1/53

Out: 63.138+/-228.964 χ^2/NDF:91.2/58

All: 73.928+/-214.577 χ^2/NDF: 139.4/112



Right In: 3152.220+/-0.544 χ^2/NDF: 4661928.5/30

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 608.340+/-0.217 χ^2/NDF: 29620023.2/33

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

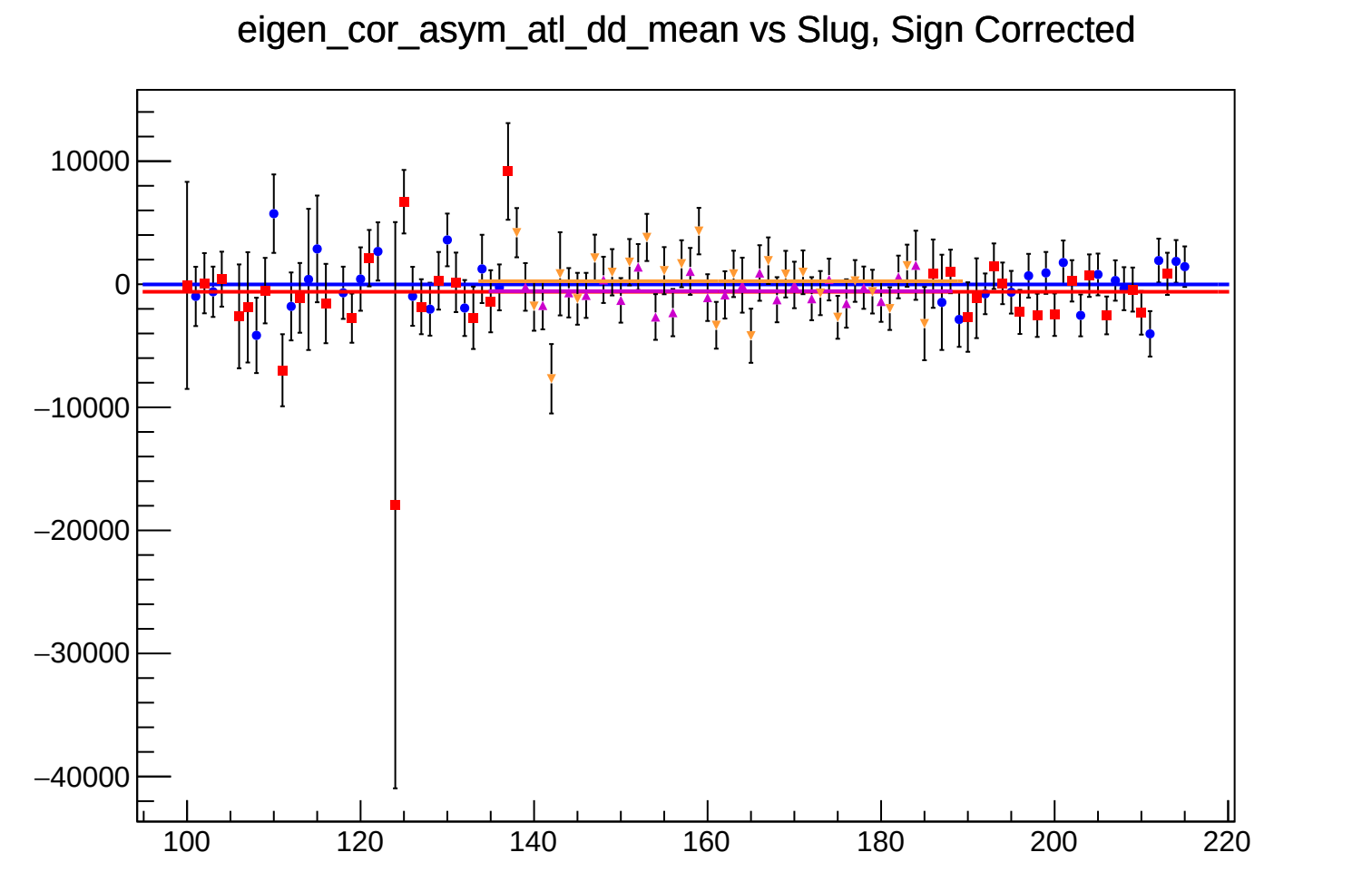
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 959.176+/-0.202 χ^2/NDF: 53167819.4/64

In: 3566.531+/-0.435 χ^2/NDF:7493938.3/53

Out: 682.176+/-0.162 χ^2/NDF:57965535.2/58

All: 1033.256+/-0.152 χ^2/NDF: 104091731.9



Right In: -14.893+/-371.586 χ^2/NDF: 26.4/30

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -610.930+/-381.850 χ^2/NDF: 34.6/33

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

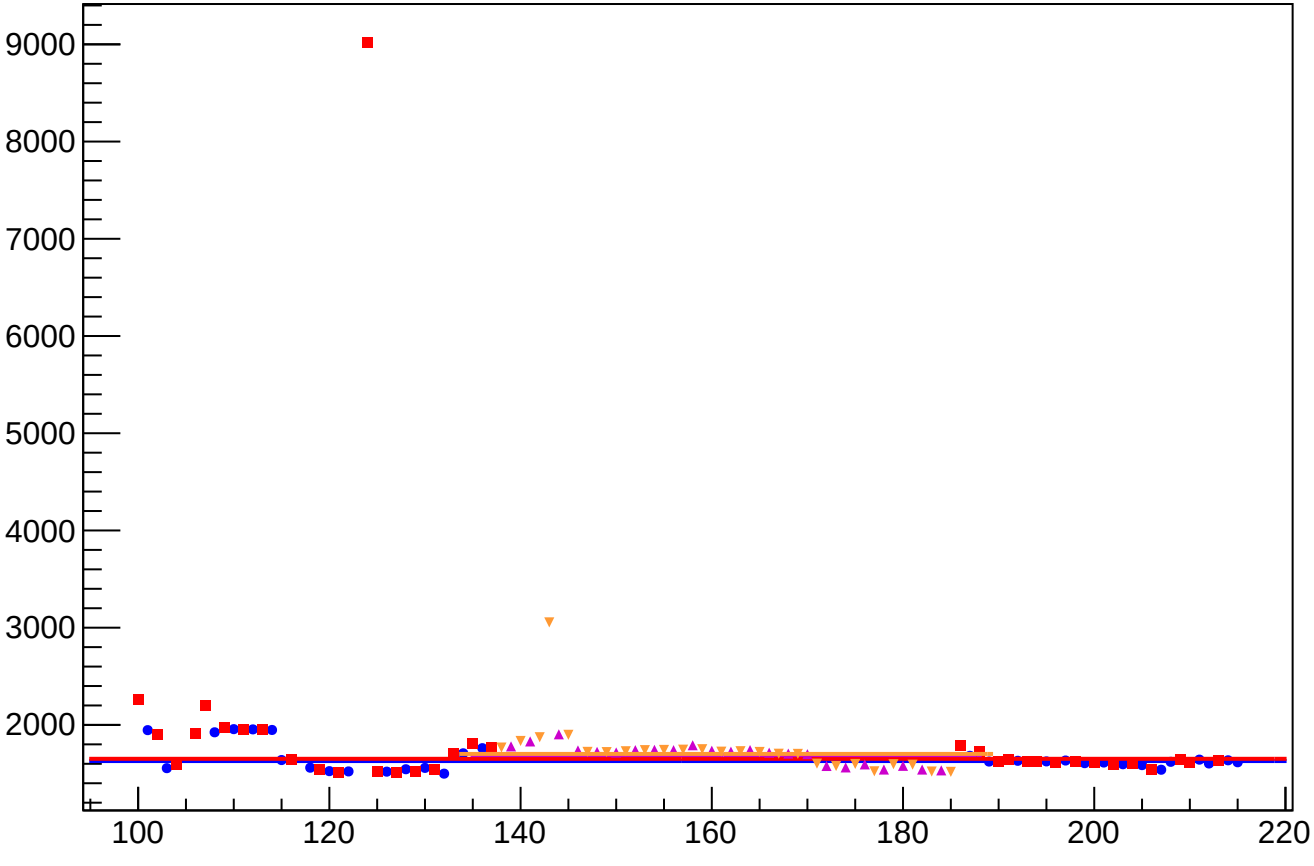
Right: -304.793+/-266.306 χ^2/NDF: 62.2/64

In: -270.717+/-270.686 χ^2/NDF:34.9/53

Out: -189.135+/-272.442 χ^2/NDF:76.6/58

All: -230.189+/-192.022 χ^2/NDF: 111.6/112

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1628.220+/-0.263 χ^2/NDF: 157803.7/30

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1651.351+/-0.270 χ^2/NDF: 425062.6/33

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

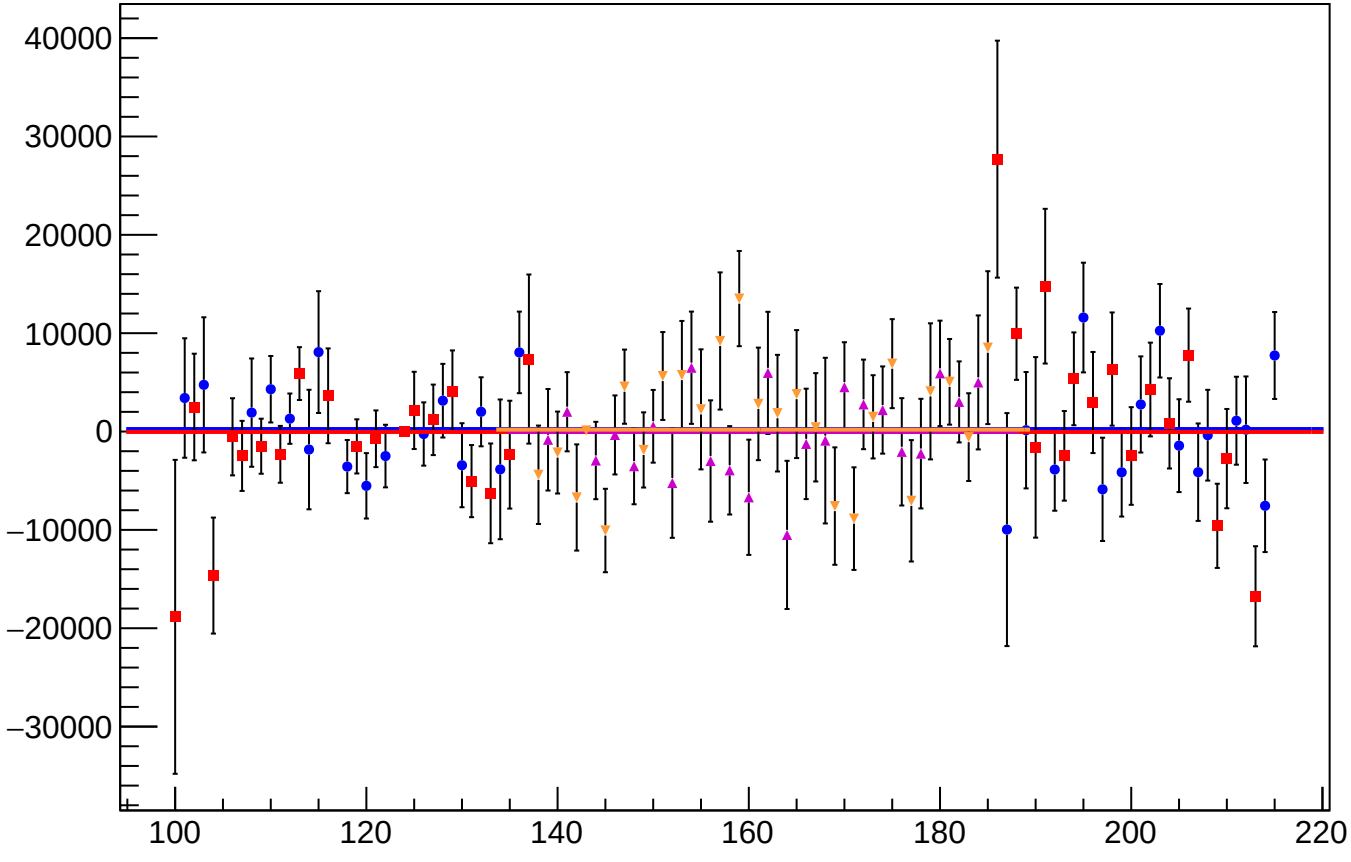
Right: 1639.488+/-0.188 χ^2/NDF: 586641.7/64

In: 1656.868+/-0.191 χ^2/NDF:305450.8/53

Out: 1675.974+/-0.192 χ^2/NDF:894458.3/58

All: 1666.367+/-0.136 χ^2/NDF: 1204863.0/11

asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 253.214+/-768.632 χ^2/NDF: 34.8/30

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -41.857+/-307.430 χ^2/NDF: 57.1/33

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

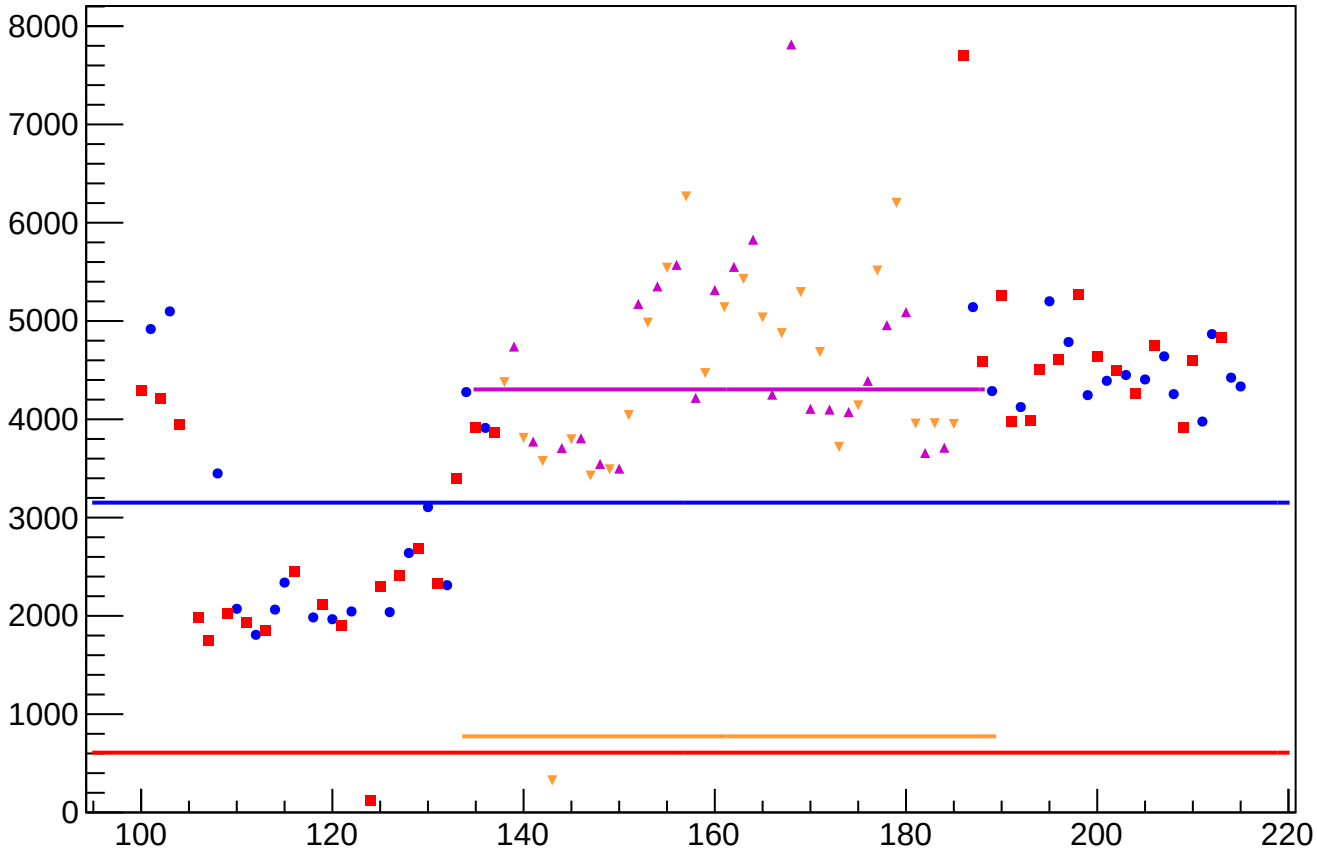
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -1.162+/-285.445 χ^2/NDF: 92.0/64

In: 151.782+/-615.043 χ^2/NDF:48.1/53

Out: 63.138+/-228.964 χ^2/NDF:91.2/58

All: 73.928+/-214.577 χ^2/NDF: 139.4/112



Right In: 3152.220+/-0.544 χ^2/NDF: 4661928.5/30

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 608.340+/-0.217 χ^2/NDF: 29620023.2/33

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

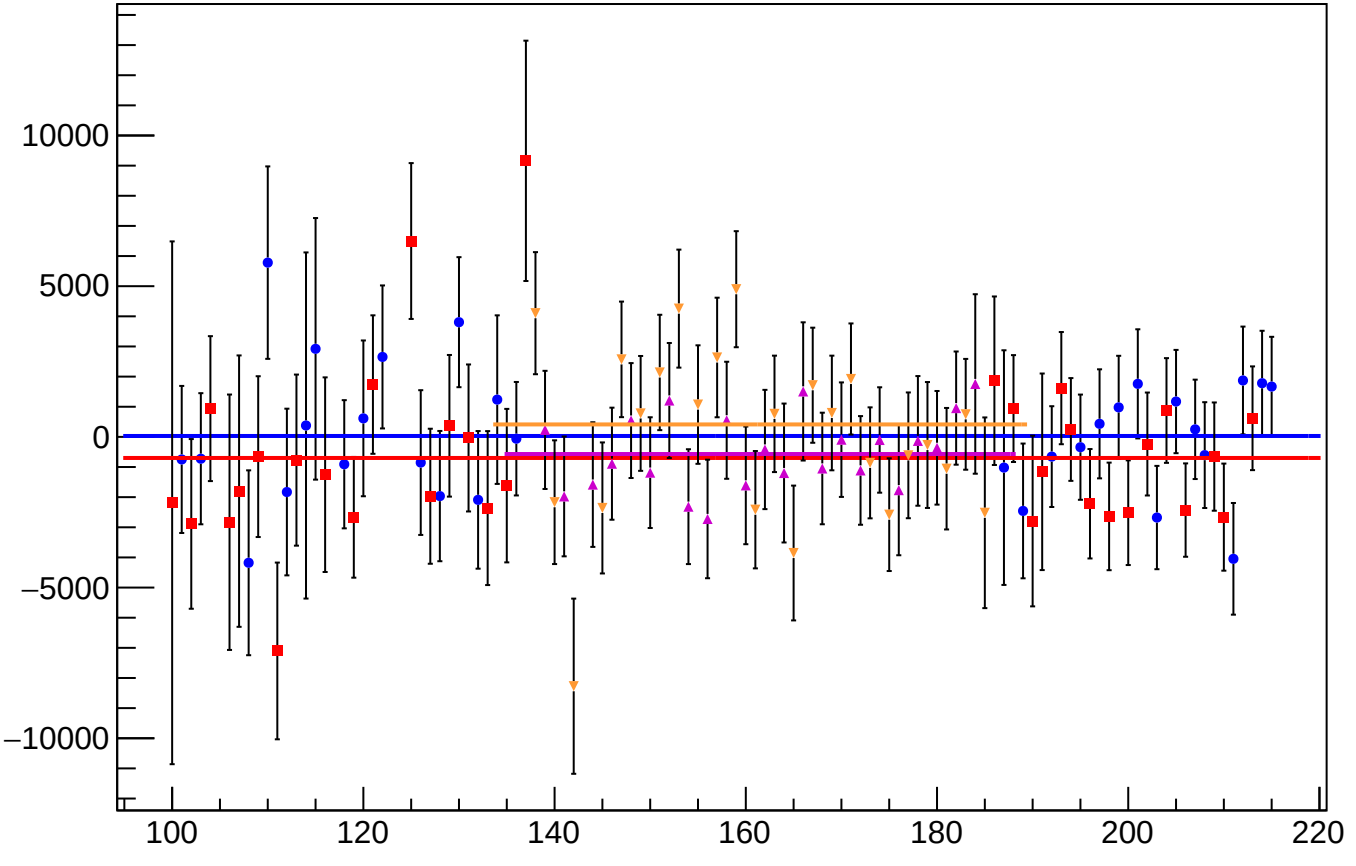
Right: 959.176+/-0.202 χ^2/NDF: 53167819.4/64

In: 3566.531+/-0.435 χ^2/NDF:7493938.3/53

Out: 682.176+/-0.162 χ^2/NDF:57965535.2/58

All: 1033.256+/-0.152 χ^2/NDF: 104091731.9

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 30.004+/-374.511 χ^2/NDF: 26.6/30

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -699.574+/-386.240 χ^2/NDF: 34.4/32

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

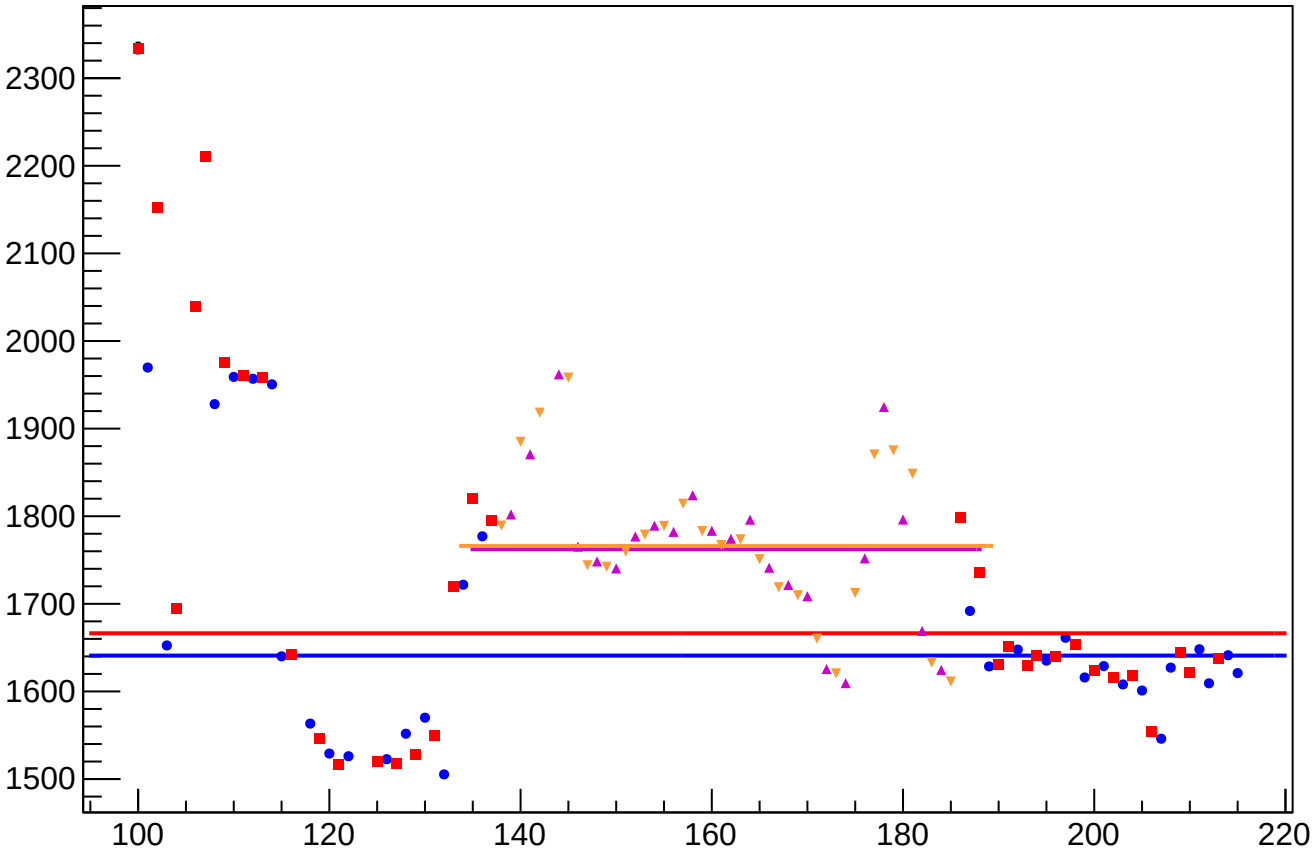
Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

Right: -323.539+/-268.870 χ^2/NDF: 62.8/63

In: -240.894+/-277.143 χ^2/NDF:35.5/53

Out: -177.035+/-281.310 χ^2/NDF:78.3/56

All: -209.441+/-197.427 χ^2/NDF: 113.8/110



Right In: 1640.933+/-0.265 χ^2/NDF: 157101.8/30

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1666.394+/-0.273 χ^2/NDF: 267115.1/32

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

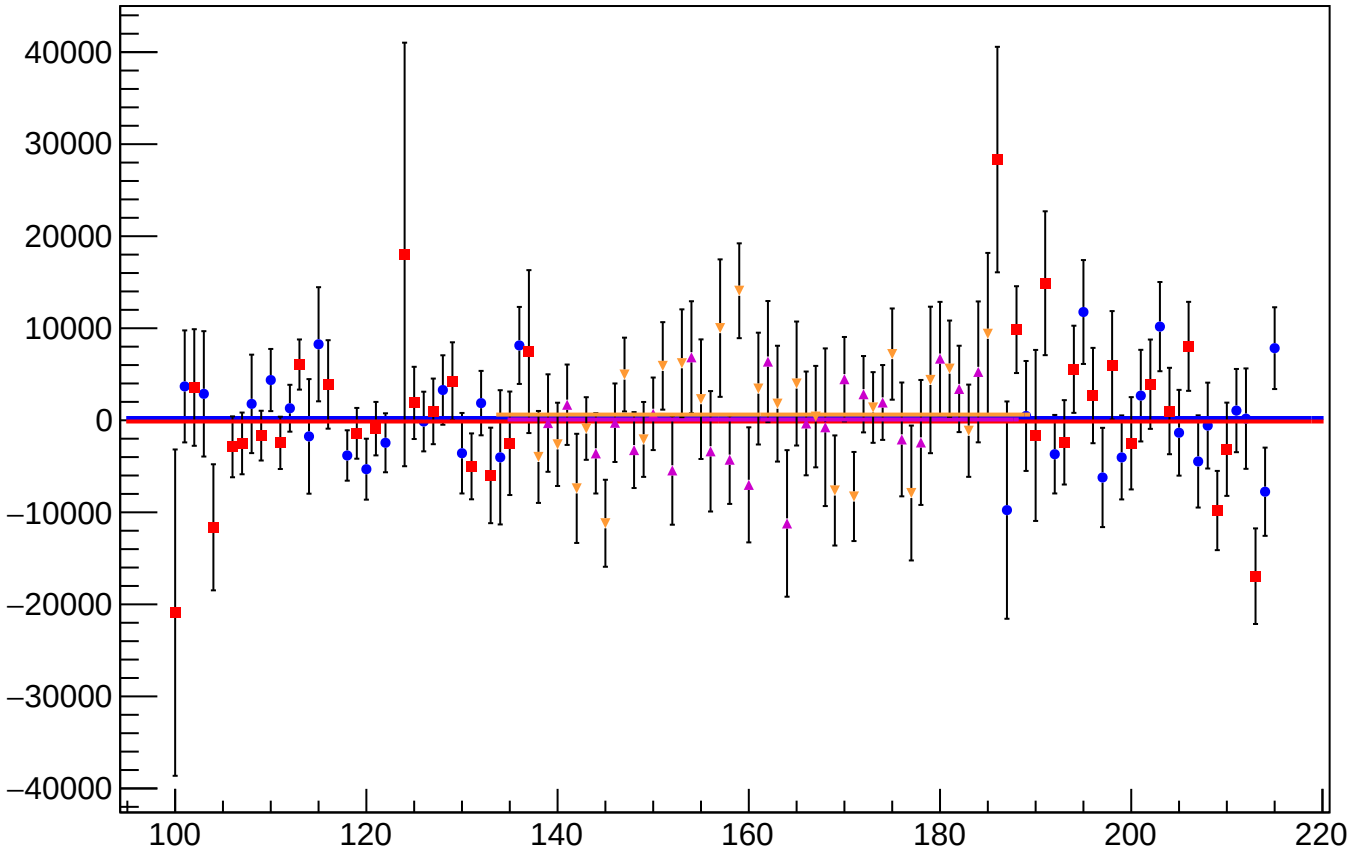
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1653.282+/-0.190 χ^2/NDF: 428700.4/63

In: 1695.885+/-0.196 χ^2/NDF:332375.8/53

Out: 1713.175+/-0.199 χ^2/NDF:413013.7/56

All: 1704.405+/-0.140 χ^2/NDF: 749225.6/110



Right In: 247.035+/-773.823 χ^2/NDF: 34.5/30

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -132.652+/-741.656 χ^2/NDF: 55.3/33

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

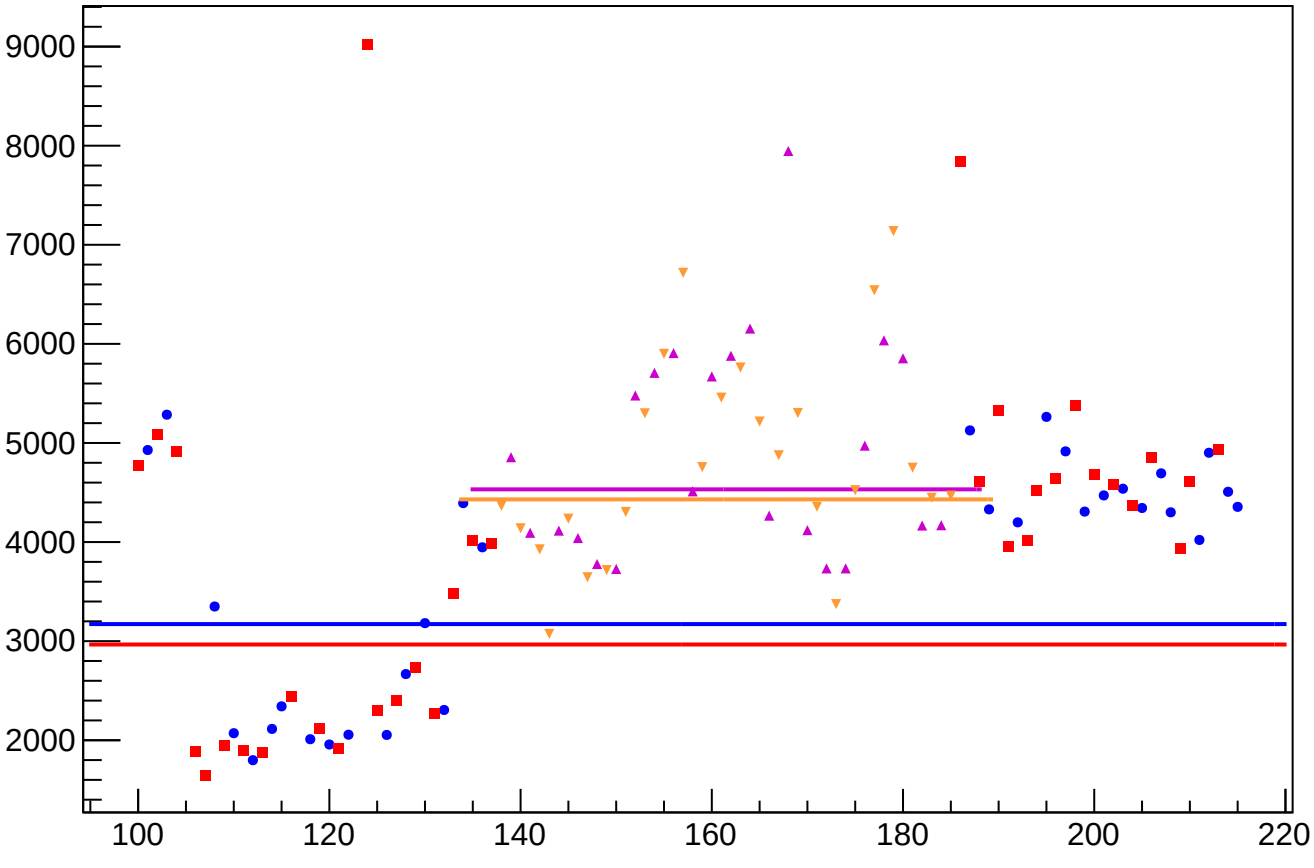
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 49.136+/-535.441 χ^2/NDF: 90.0/64

In: 192.410+/-629.520 χ^2/NDF:47.4/53

Out: 122.697+/-602.789 χ^2/NDF:88.7/58

All: 156.042+/-435.379 χ^2/NDF: 136.2/112



Right In: 3172.255+/-0.547 χ^2/NDF: 4787281.0/30

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2966.190+/-0.524 χ^2/NDF: 5859200.8/33

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

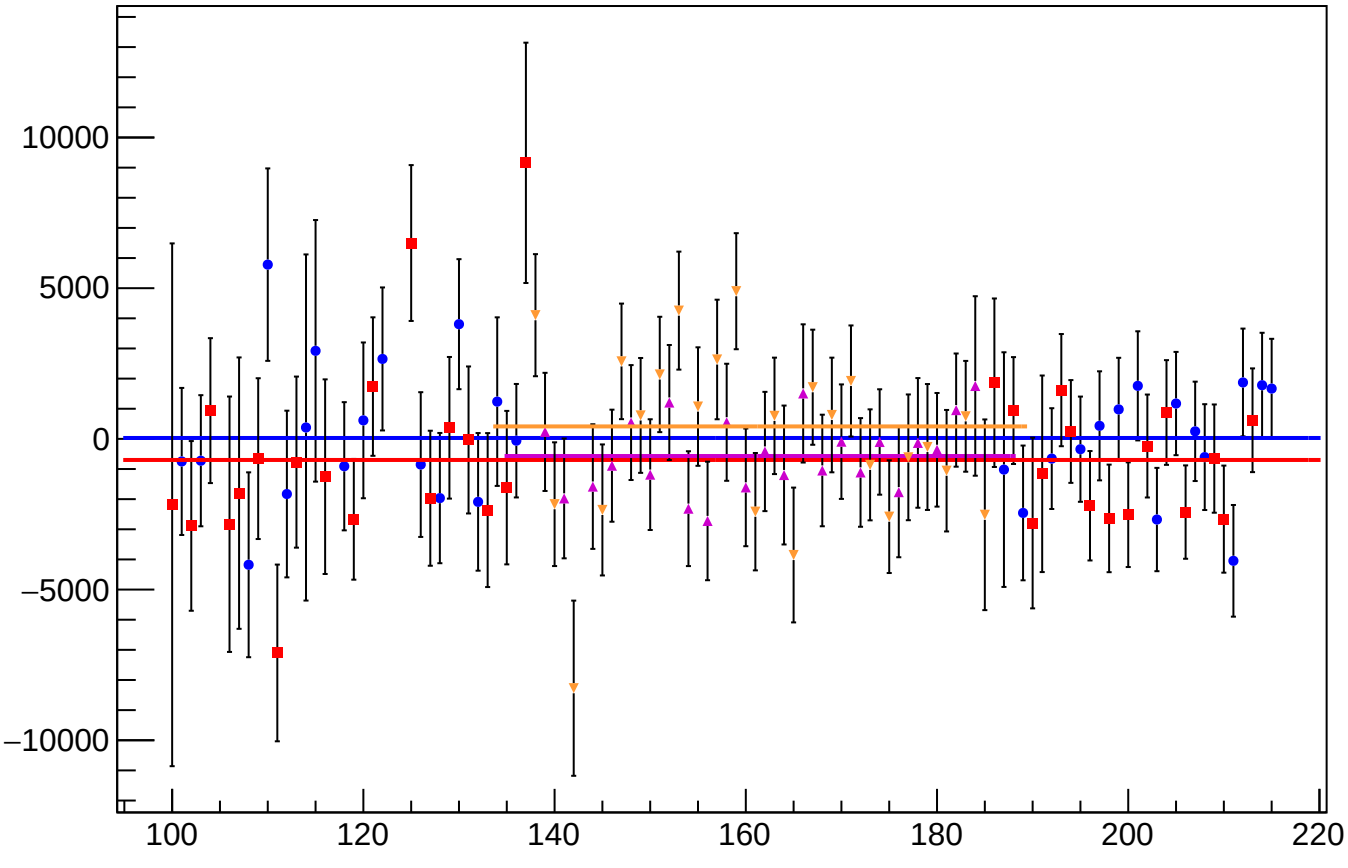
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 3064.850+/-0.379 χ^2/NDF: 10720403.7/64

In: 3632.083+/-0.445 χ^2/NDF:8252003.9/53

Out: 3463.306+/-0.426 χ^2/NDF:10119779.4/58

All: 3544.035+/-0.308 χ^2/NDF: 18446780.4/



Right In: 30.002+/-374.511 χ^2/NDF: 26.6/30

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -699.572+/-386.240 χ^2/NDF: 34.4/32

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

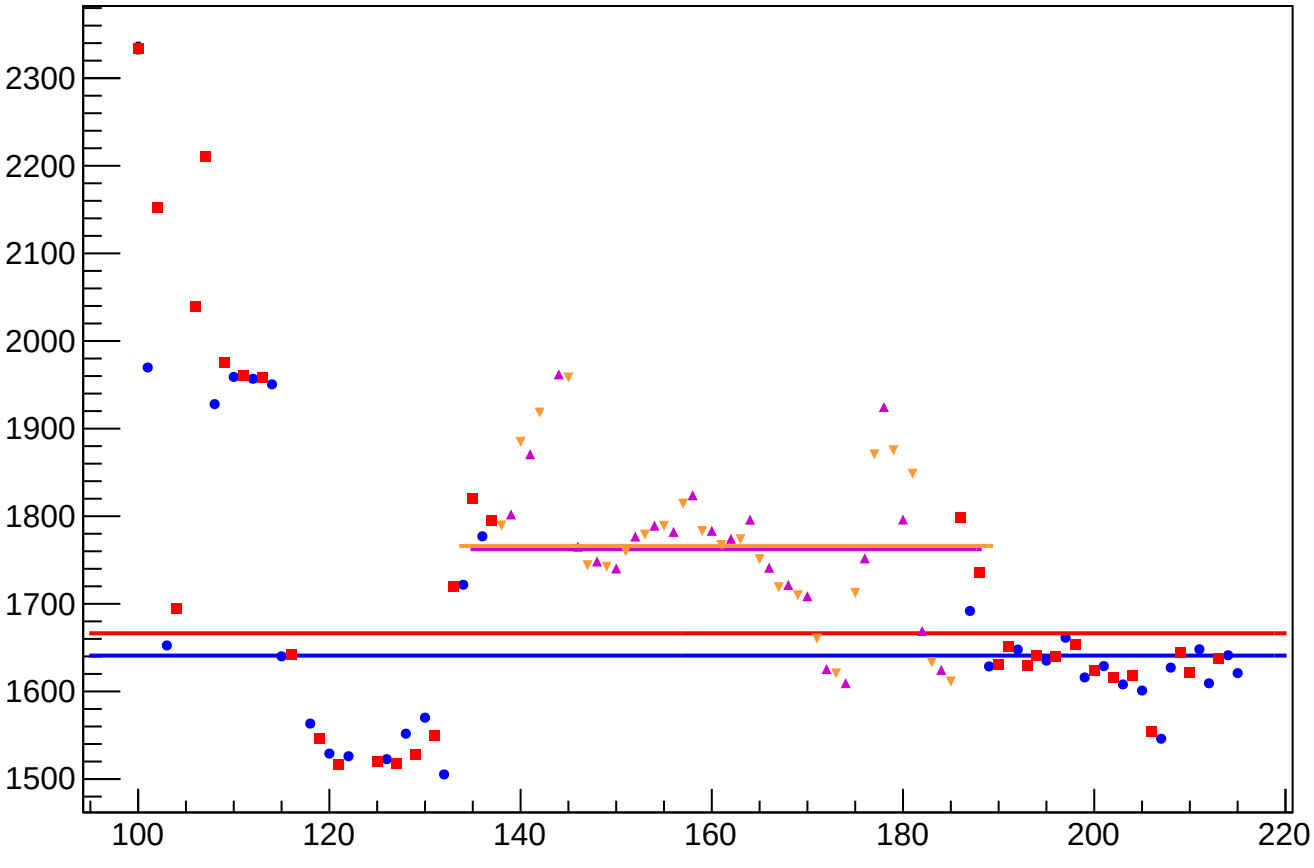
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -323.539+/-268.870 χ^2/NDF: 62.8/63

In: -240.894+/-277.143 χ^2/NDF:35.5/53

Out: -177.034+/-281.310 χ^2/NDF:78.3/56

All: -209.440+/-197.427 χ^2/NDF: 113.8/110



Right In: 1640.933+/-0.265 χ^2/NDF: 157101.8/30

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1666.394+/-0.273 χ^2/NDF: 267113.8/32

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

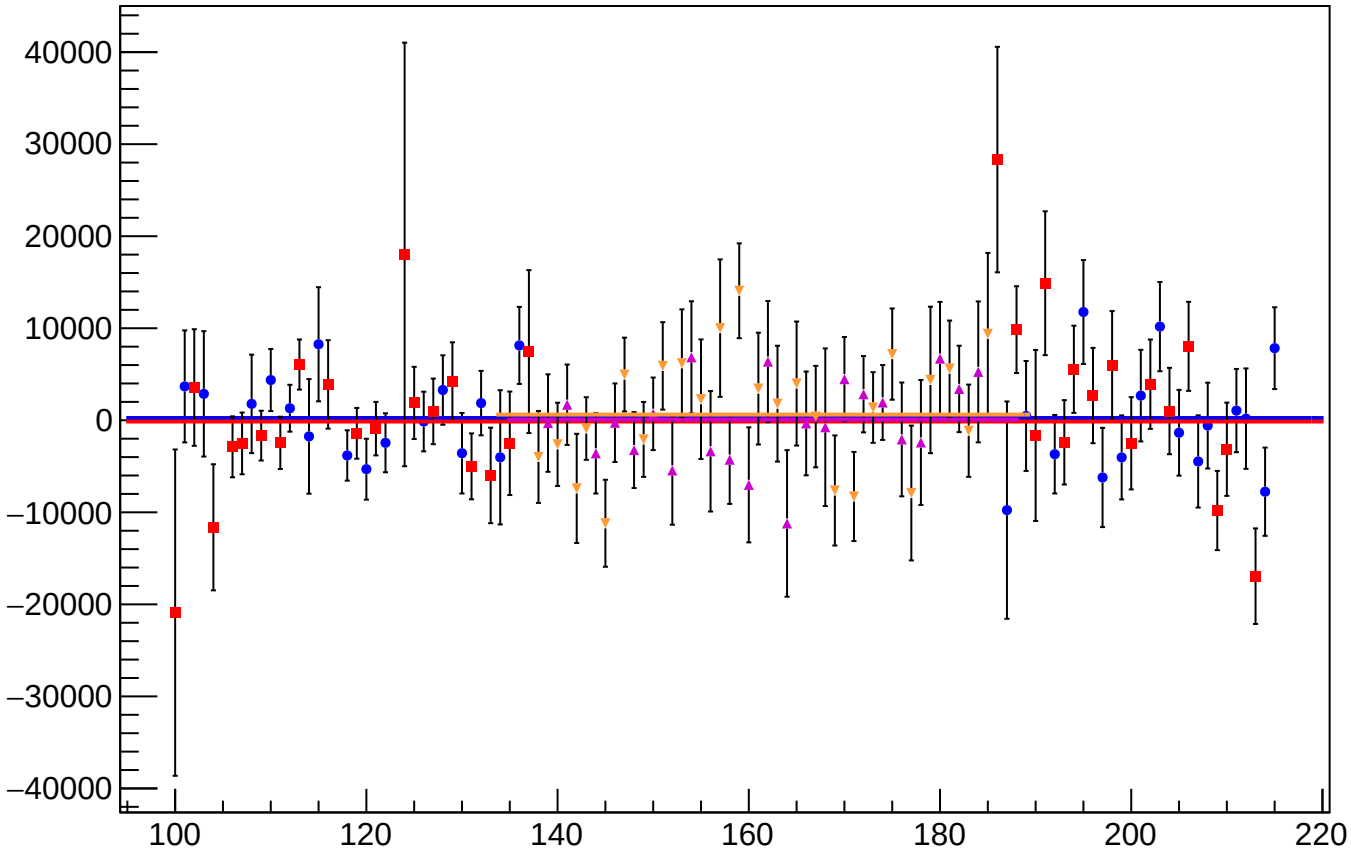
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1653.282+/-0.190 χ^2/NDF: 428699.0/63

In: 1695.885+/-0.196 χ^2/NDF:332379.7/53

Out: 1713.176+/-0.199 χ^2/NDF:413016.4/56

All: 1704.405+/-0.140 χ^2/NDF: 749232.2/110



Right In: 247.030+/-773.822 χ^2/NDF: 34.5/30

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -132.655+/-741.654 χ^2/NDF: 55.3/33

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

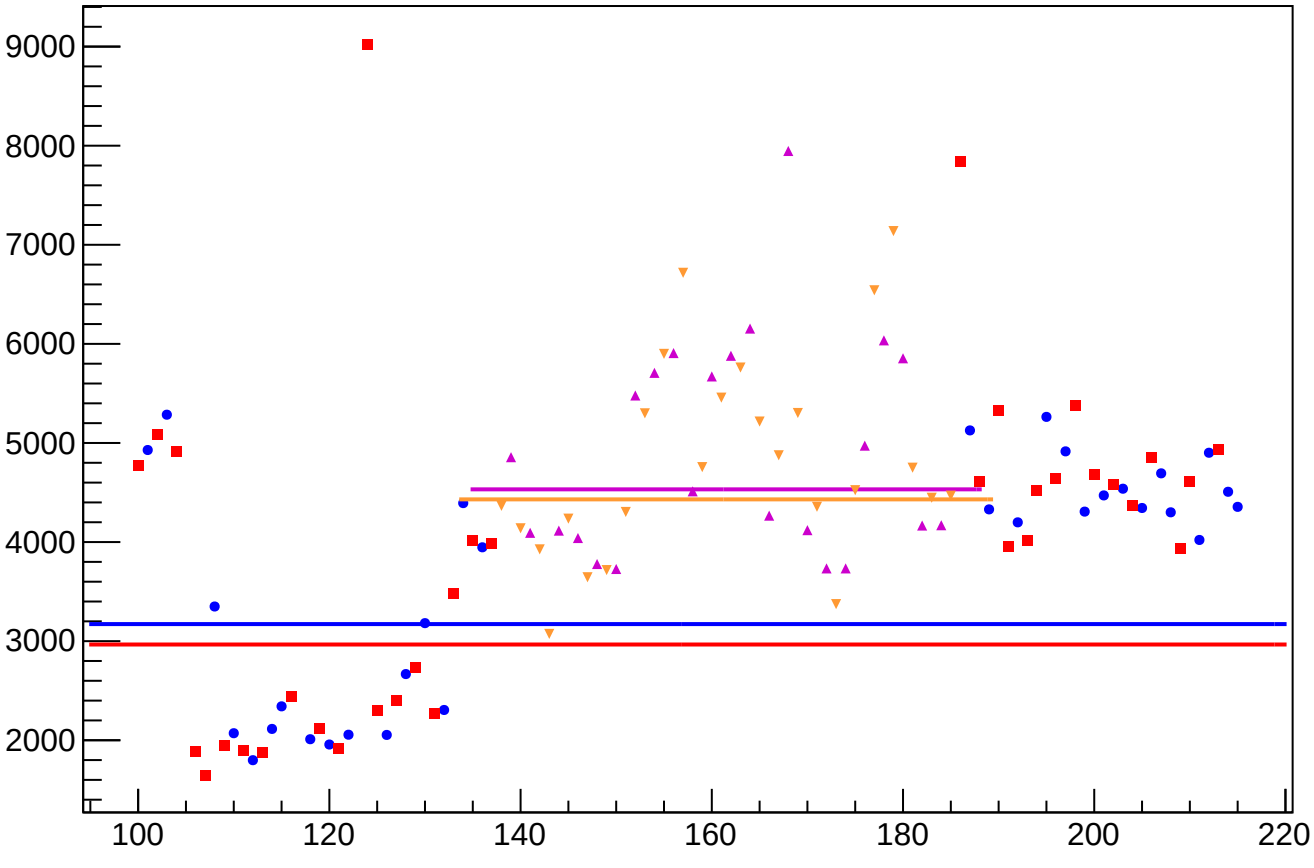
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 49.132+/-535.440 χ^2/NDF: 90.0/64

In: 192.407+/-629.519 χ^2/NDF:47.4/53

Out: 122.695+/-602.788 χ^2/NDF:88.7/58

All: 156.040+/-435.379 χ^2/NDF: 136.2/112



Right In: 3172.246+/-0.547 χ^2/NDF: 4787360.8/30

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2966.181+/-0.524 χ^2/NDF: 5859263.9/33

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

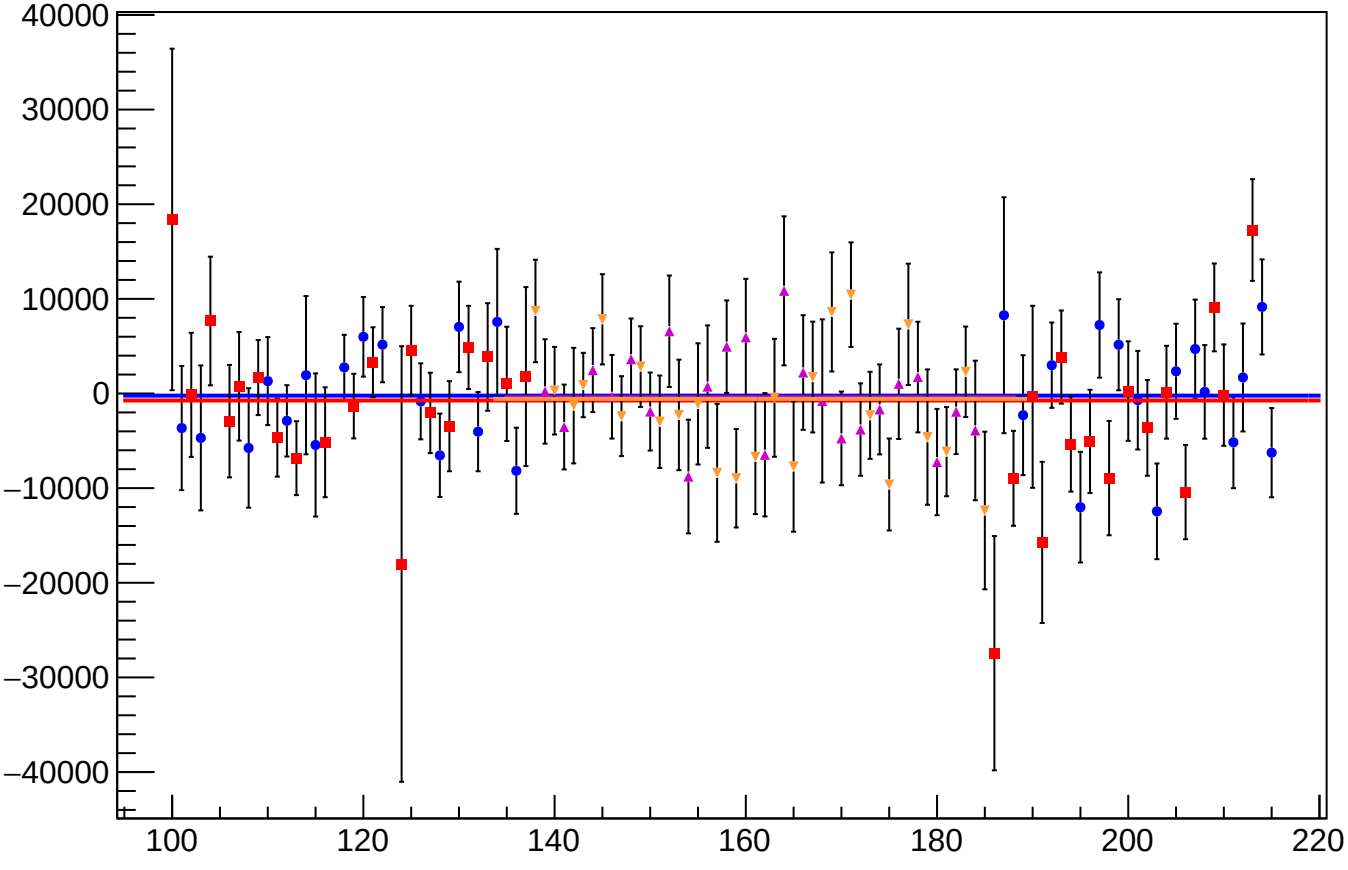
Right: 3064.841+/-0.379 χ^2/NDF: 10720546.8/64

In: 3632.078+/-0.445 χ^2/NDF:8252132.2/53

Out: 3463.300+/-0.426 χ^2/NDF:10119899.3/58

All: 3544.030+/-0.308 χ^2/NDF: 18447028.9/1

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -226.202+/-900.149 χ^2/NDF: 38.1/30

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -738.478+/-899.090 χ^2/NDF: 47.6/33

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

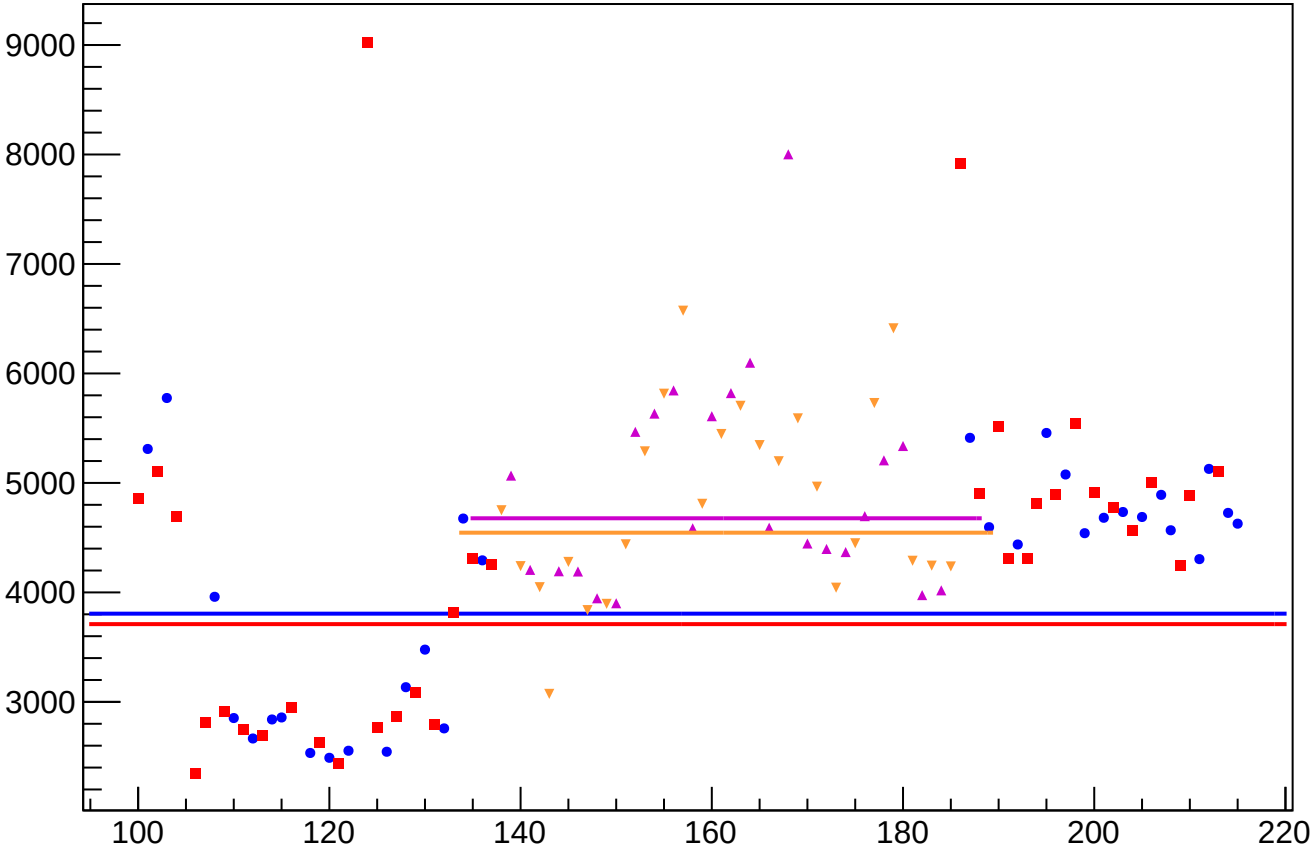
Right: -482.642+/-636.127 χ^2/NDF: 85.8/64

In: -294.557+/-699.023 χ^2/NDF:52.1/53

Out: -668.897+/-684.258 χ^2/NDF:76.4/58

All: -485.723+/-488.980 χ^2/NDF: 128.6/112

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3805.813+/-0.637 χ^2/NDF: 2648974.2/30

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3710.262+/-0.630 χ^2/NDF: 3058536.8/33

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

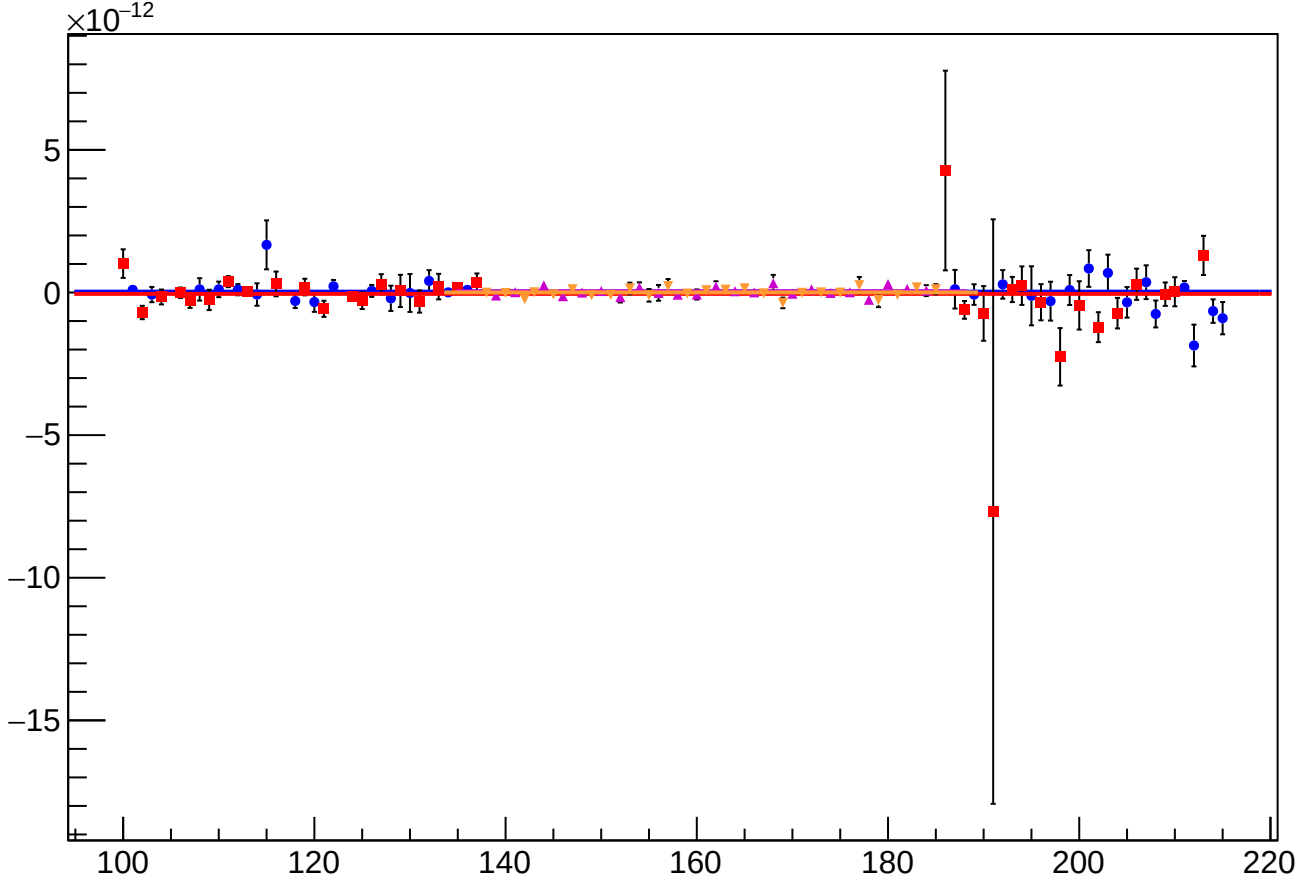
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3757.585+/-0.448 χ^2/NDF: 5718885.6/64

In: 4151.650+/-0.494 χ^2/NDF:4352578.9/53

Out: 4058.348+/-0.482 χ^2/NDF:5048413.8/58

All: 4103.779+/-0.345 χ^2/NDF: 9419274.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.6/33

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

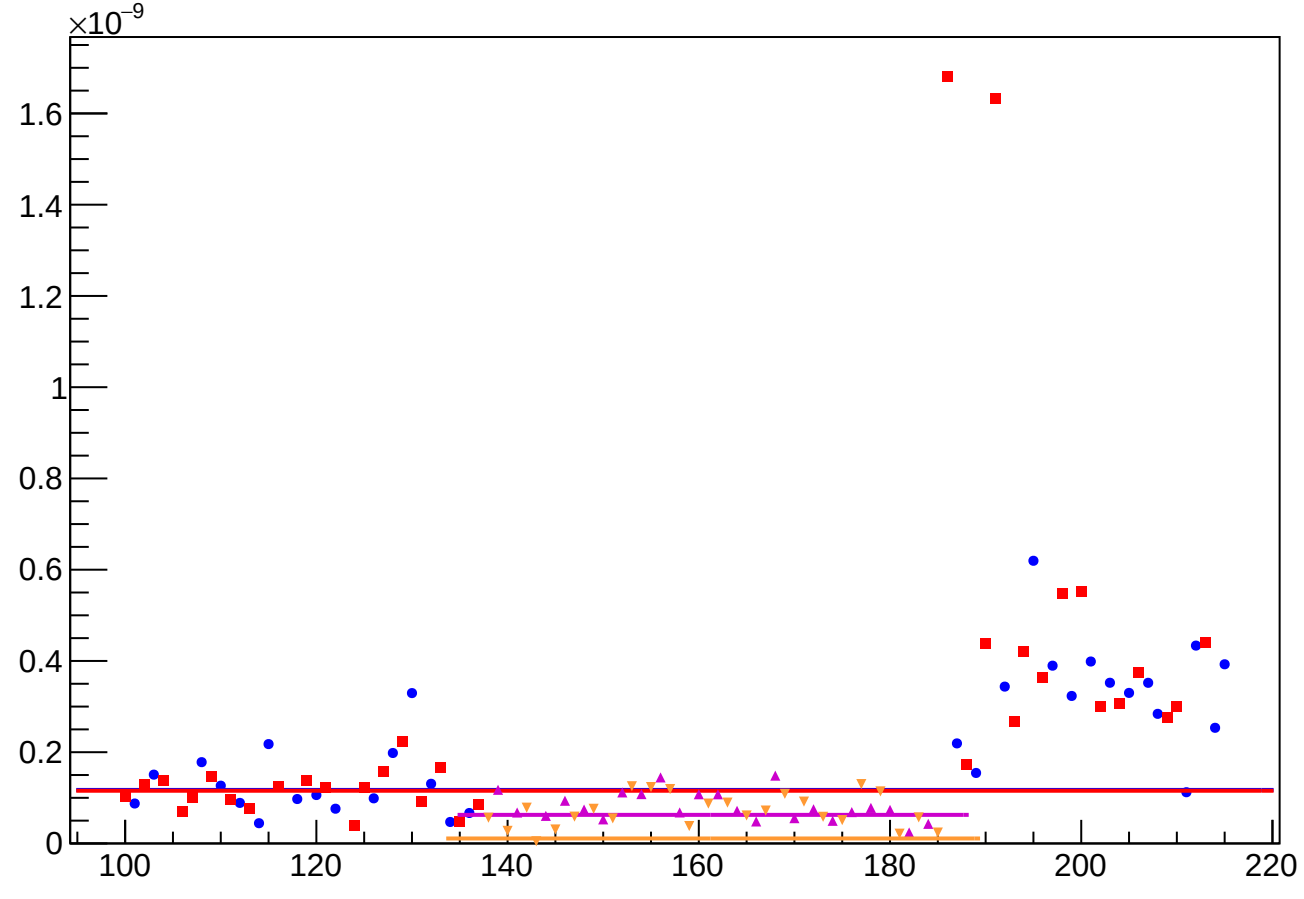
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: -0.000+/-0.000 χ^2/NDF: 82.5/64

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:71.7/58

All: 0.000+/-0.000 χ^2/NDF: 123.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 5616716.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6048860.2/33

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

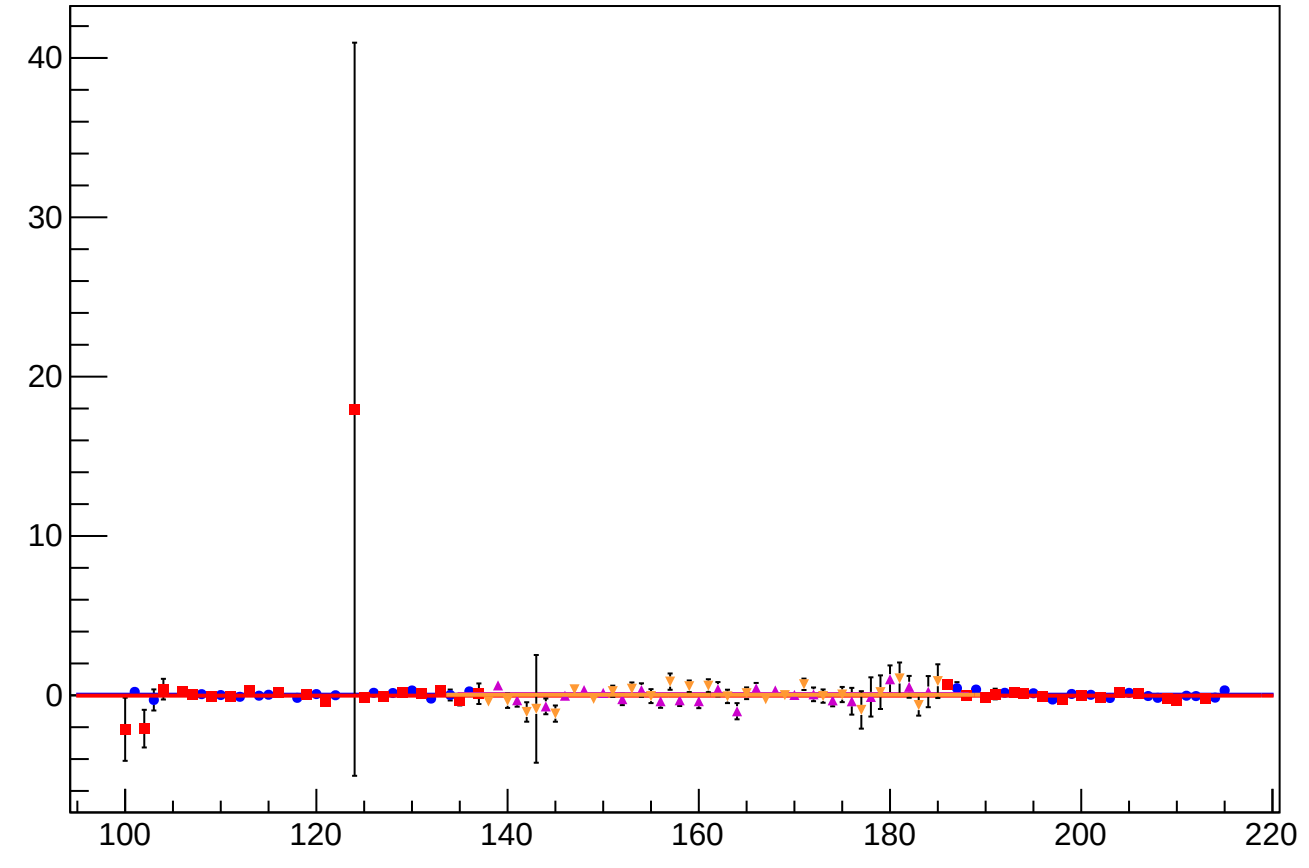
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11666736.8/64

In: 0.000+/-0.000 χ^2/NDF:9513168.6/53

Out: 0.000+/-0.000 χ^2/NDF:23605487.7/58

All: 0.000+/-0.000 χ^2/NDF: 45121635.2/112



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.031 χ^2/NDF: 43.1/33

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

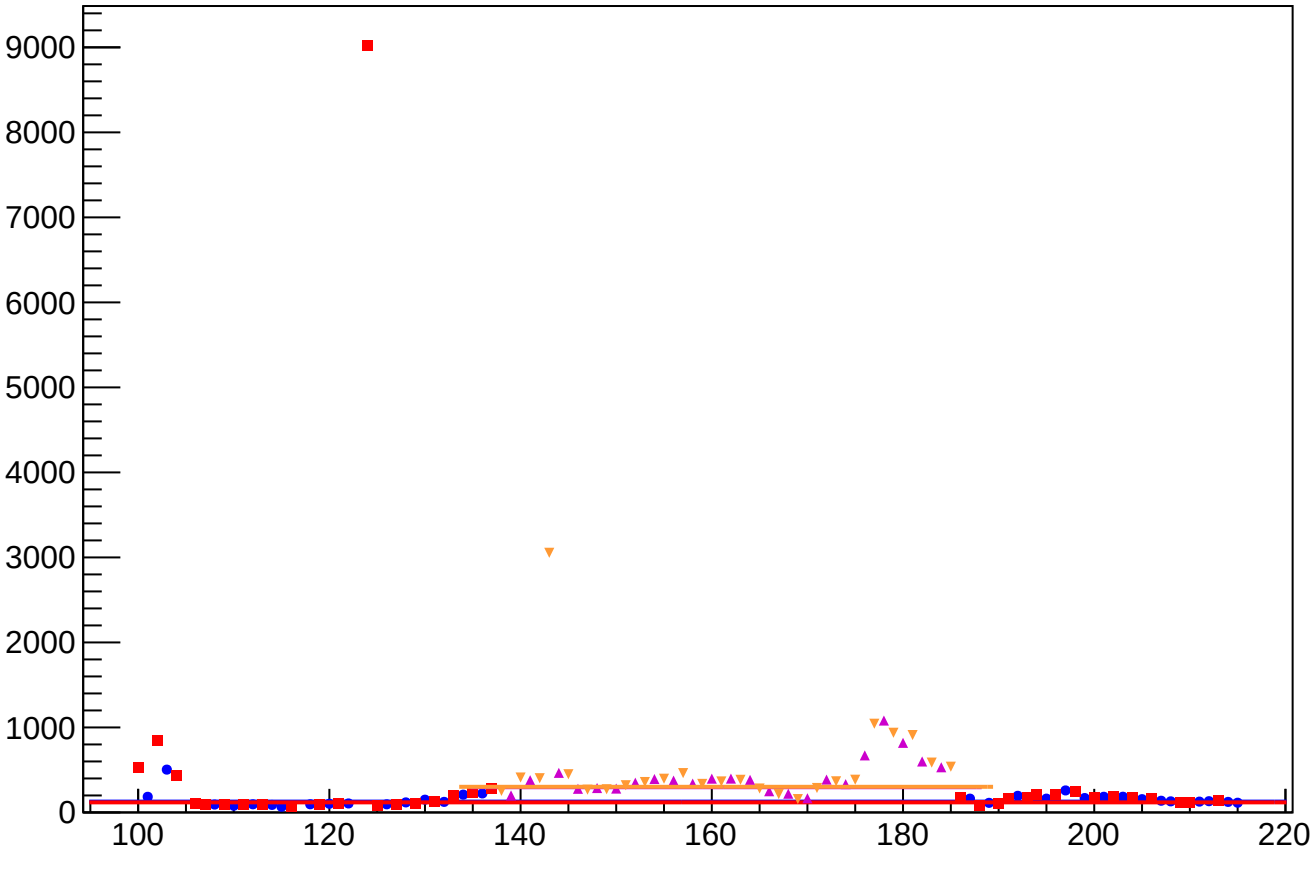
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.009+/-0.022 χ^2/NDF: 72.1/64

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.016+/-0.020 χ^2/NDF: 126.7/112



Right In: 127.584+/-0.022 χ^2/NDF: 3476478.2/30

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 118.670+/-0.022 χ^2/NDF: 5465588.1/33

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

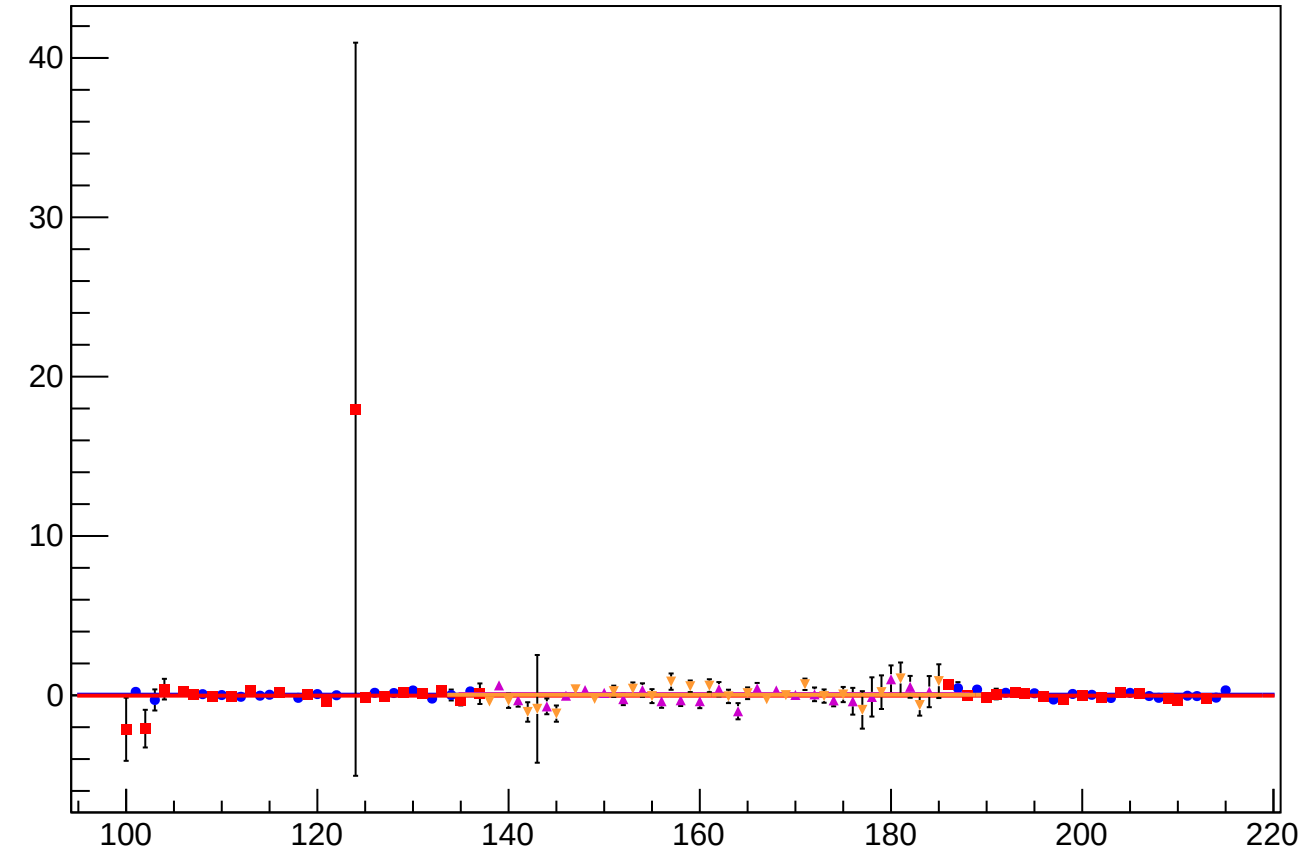
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 123.023+/-0.015 χ^2/NDF: 9025265.1/64

In: 152.224+/-0.020 χ^2/NDF:16932382.3/53

Out: 143.593+/-0.020 χ^2/NDF:21941867.8/58

All: 147.832+/-0.014 χ^2/NDF: 38965052.5/1



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.031 χ^2/NDF: 43.1/33

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

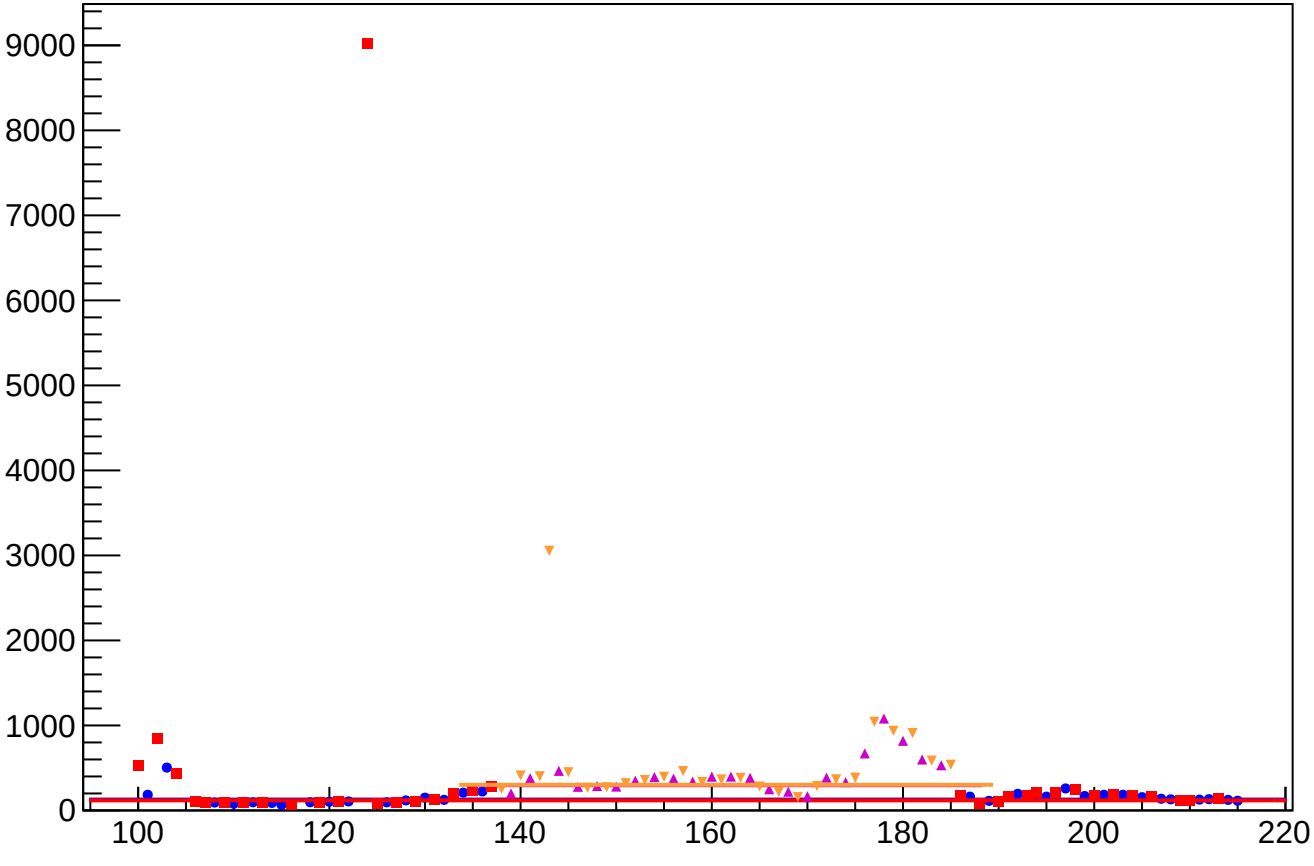
Right: 0.009+/-0.022 χ^2/NDF: 72.1/64

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.016+/-0.020 χ^2/NDF: 126.7/112

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.584+/-0.022 χ^2/NDF: 3476478.2/30

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 118.670+/-0.022 χ^2/NDF: 5465588.1/33

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

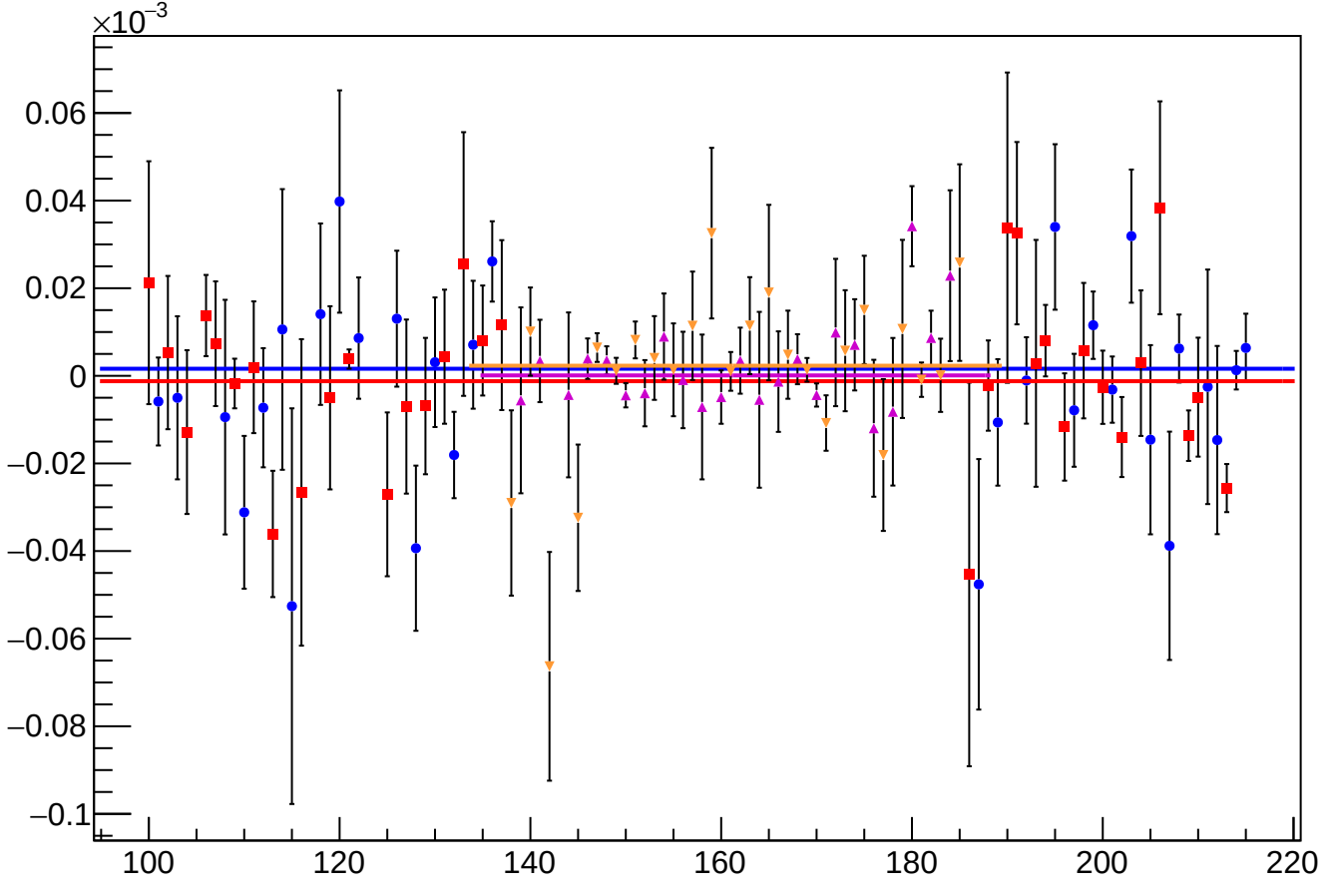
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 123.023+/-0.015 χ^2/NDF: 9025265.1/64

In: 152.224+/-0.020 χ^2/NDF:16932382.3/53

Out: 143.593+/-0.020 χ^2/NDF:21941867.8/58

All: 147.832+/-0.014 χ^2/NDF: 38965052.5/1



Right In: 0.000+/-0.000 χ^2/NDF: 43.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 56.0/32

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

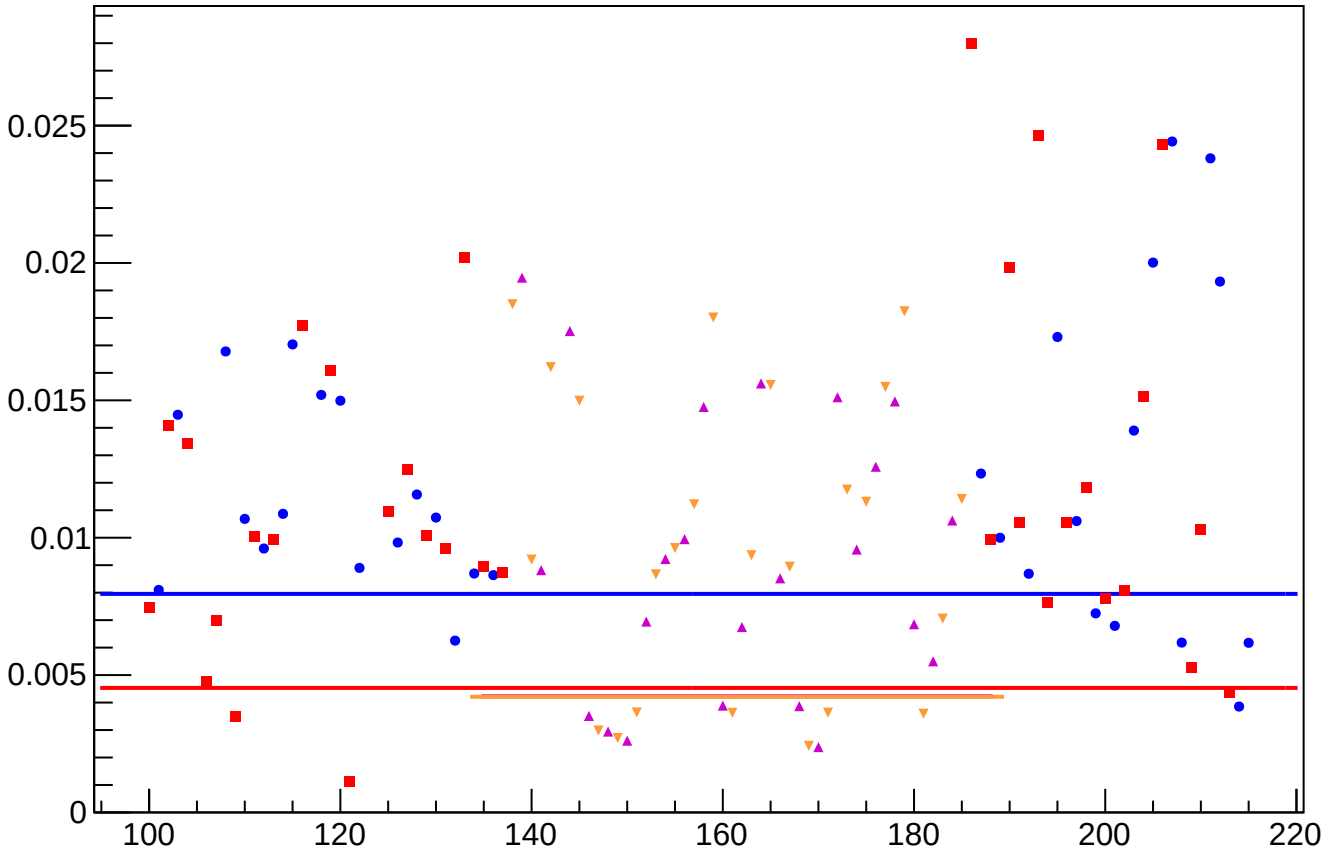
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: -0.000+/-0.000 χ^2/NDF: 100.5/63

In: 0.000+/-0.000 χ^2/NDF:72.8/53

Out: 0.000+/-0.000 χ^2/NDF:90.4/56

All: 0.000+/-0.000 χ^2/NDF: 163.3/110



Right In: 0.008+/-0.000 χ^2/NDF: 6966318.9/30

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.005+/-0.000 χ^2/NDF: 16463017.7/32

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

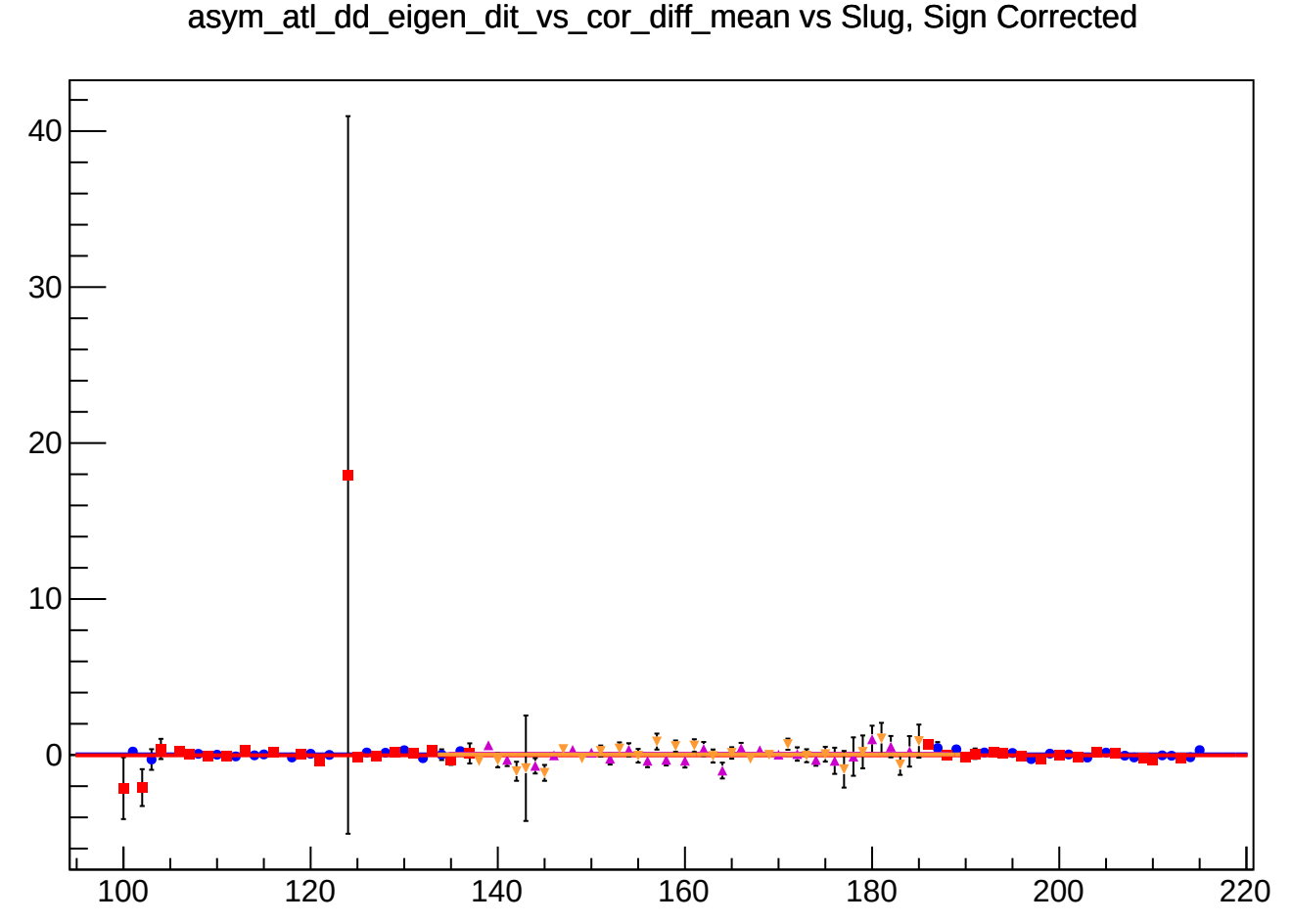
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.006+/-0.000 χ^2/NDF: 26941193.9/63

In: 0.005+/-0.000 χ^2/NDF:22621740.7/53

Out: 0.004+/-0.000 χ^2/NDF:28595462.7/56

All: 0.005+/-0.000 χ^2/NDF: 51967086.5/110



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.031 χ^2/NDF: 43.1/33

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

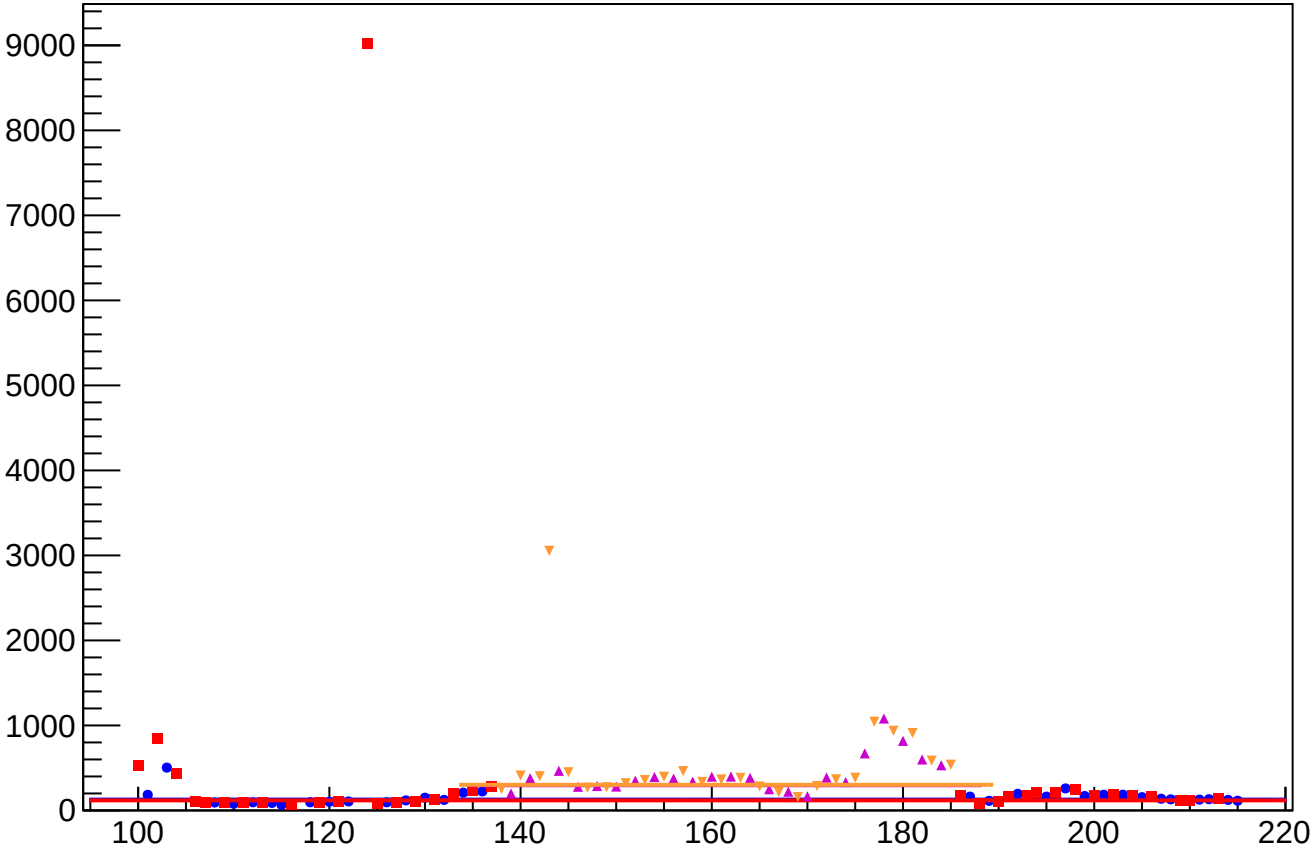
Right: 0.009+/-0.022 χ^2/NDF: 72.1/64

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.016+/-0.020 χ^2/NDF: 126.7/112

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.585+/-0.022 χ^2/NDF: 3476461.4/30

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 118.671+/-0.022 χ^2/NDF: 5465525.5/33

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

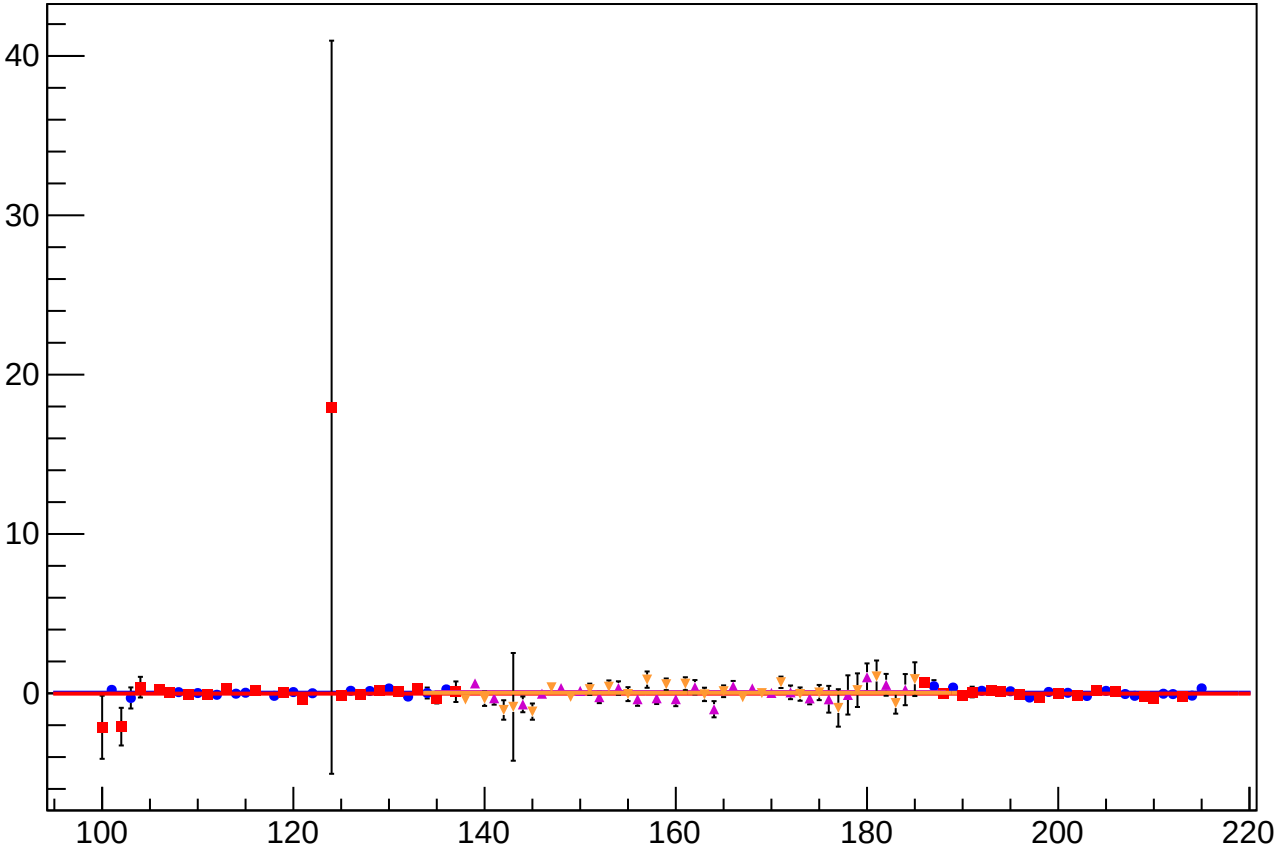
Right: 123.024+/-0.015 χ^2/NDF: 9025188.5/64

In: 152.225+/-0.020 χ^2/NDF:16932369.9/53

Out: 143.594+/-0.020 χ^2/NDF:21941832.2/58

All: 147.833+/-0.014 χ^2/NDF: 38965010.3/11

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.031 χ^2/NDF: 43.1/33

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

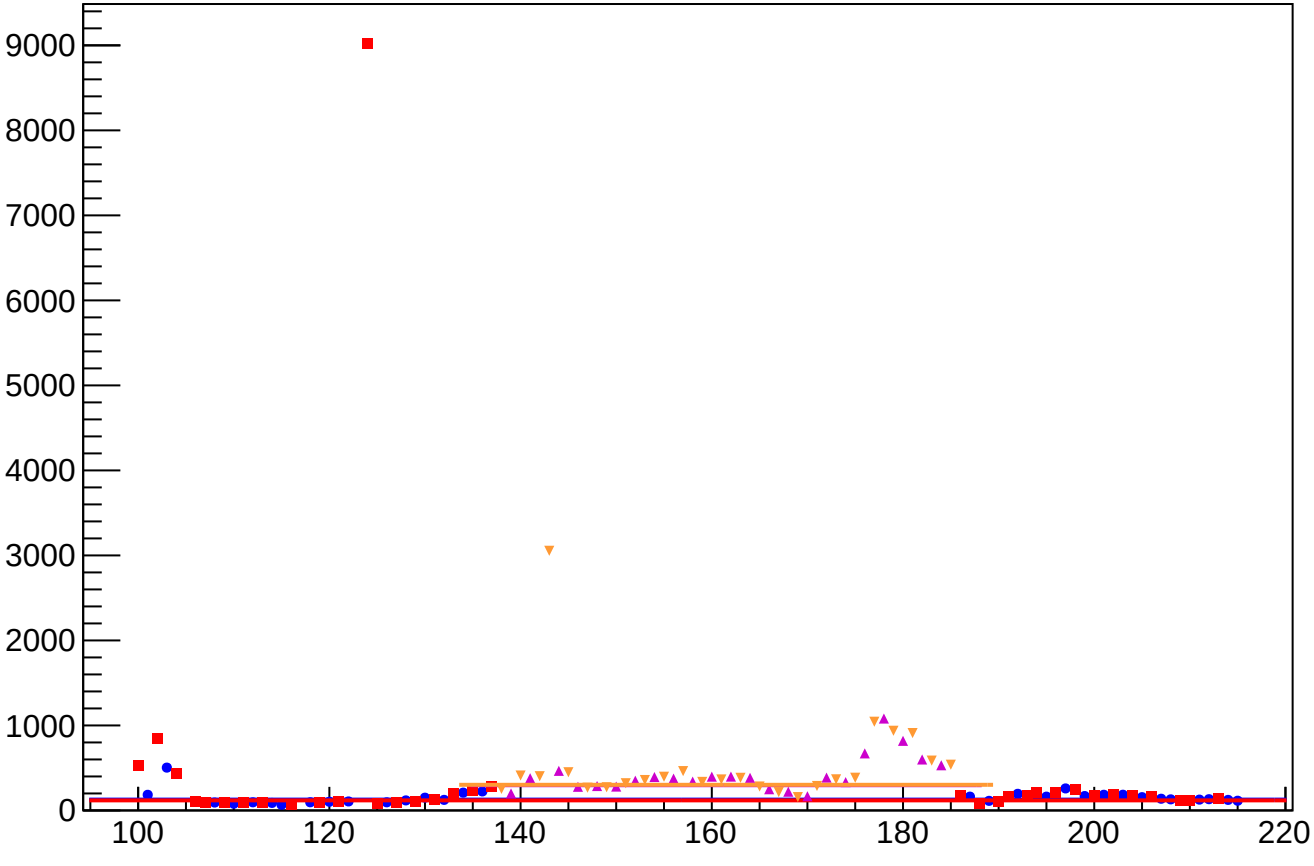
Right: 0.009+/-0.022 χ^2/NDF: 72.1/64

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.012+/-0.028 χ^2/NDF:73.2/58

All: 0.016+/-0.020 χ^2/NDF: 126.7/112

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.585+/-0.022 χ^2/NDF: 3476461.4/30

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 118.671+/-0.022 χ^2/NDF: 5465525.5/33

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

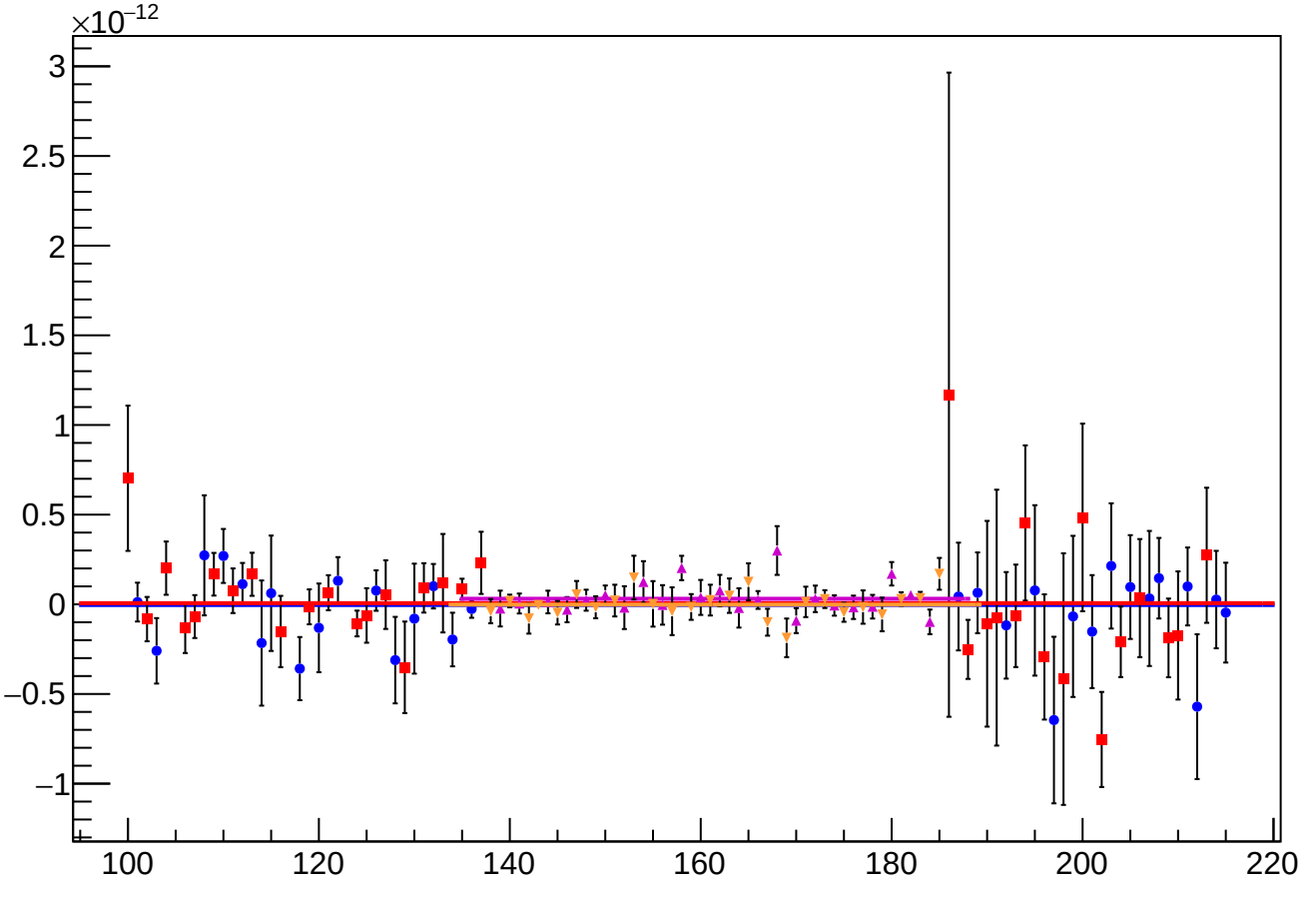
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 123.024+/-0.015 χ^2/NDF: 9025188.5/64

In: 152.225+/-0.020 χ^2/NDF:16932369.9/53

Out: 143.594+/-0.020 χ^2/NDF:21941832.2/58

All: 147.833+/-0.014 χ^2/NDF: 38965010.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/33

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

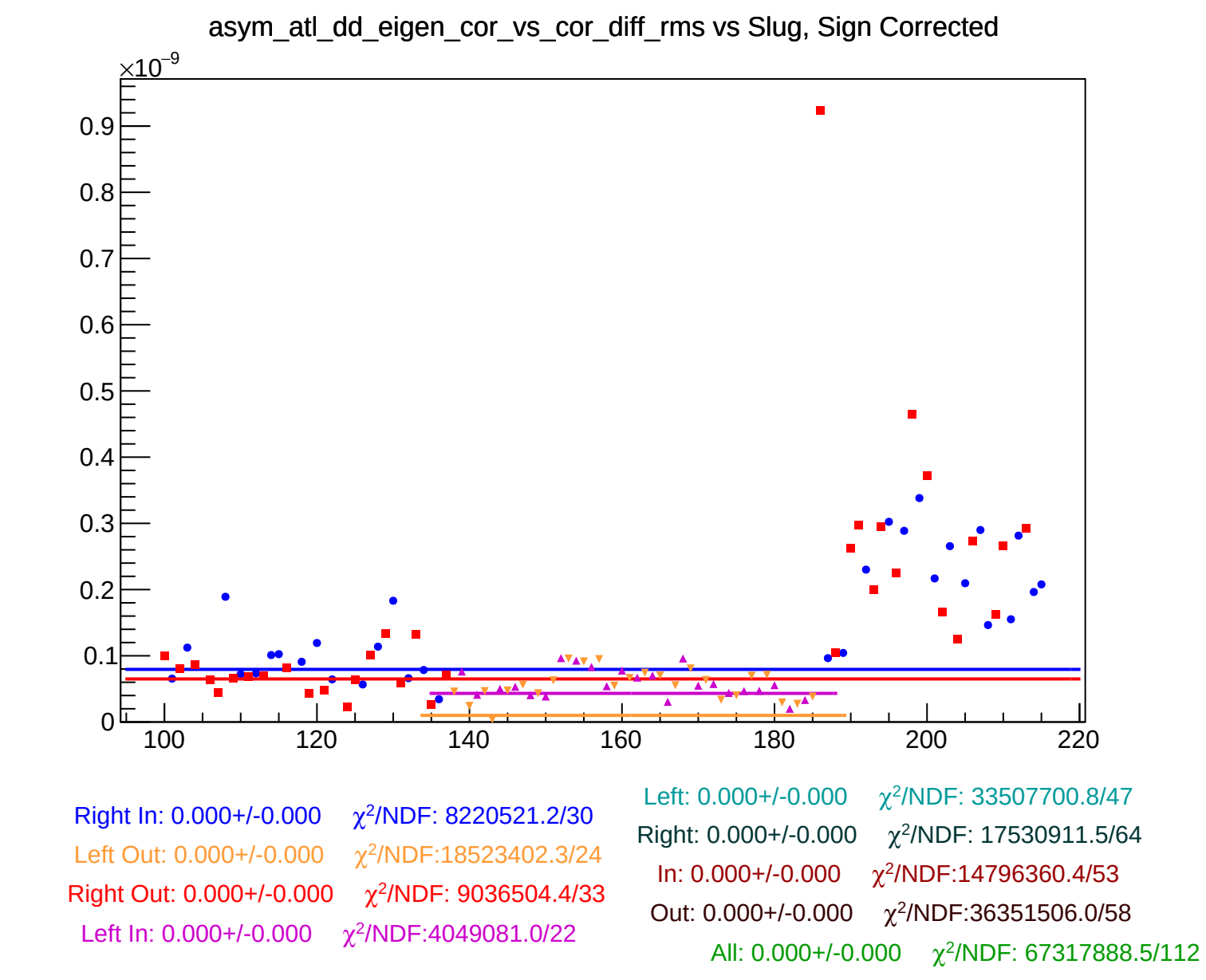
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 60.4/64

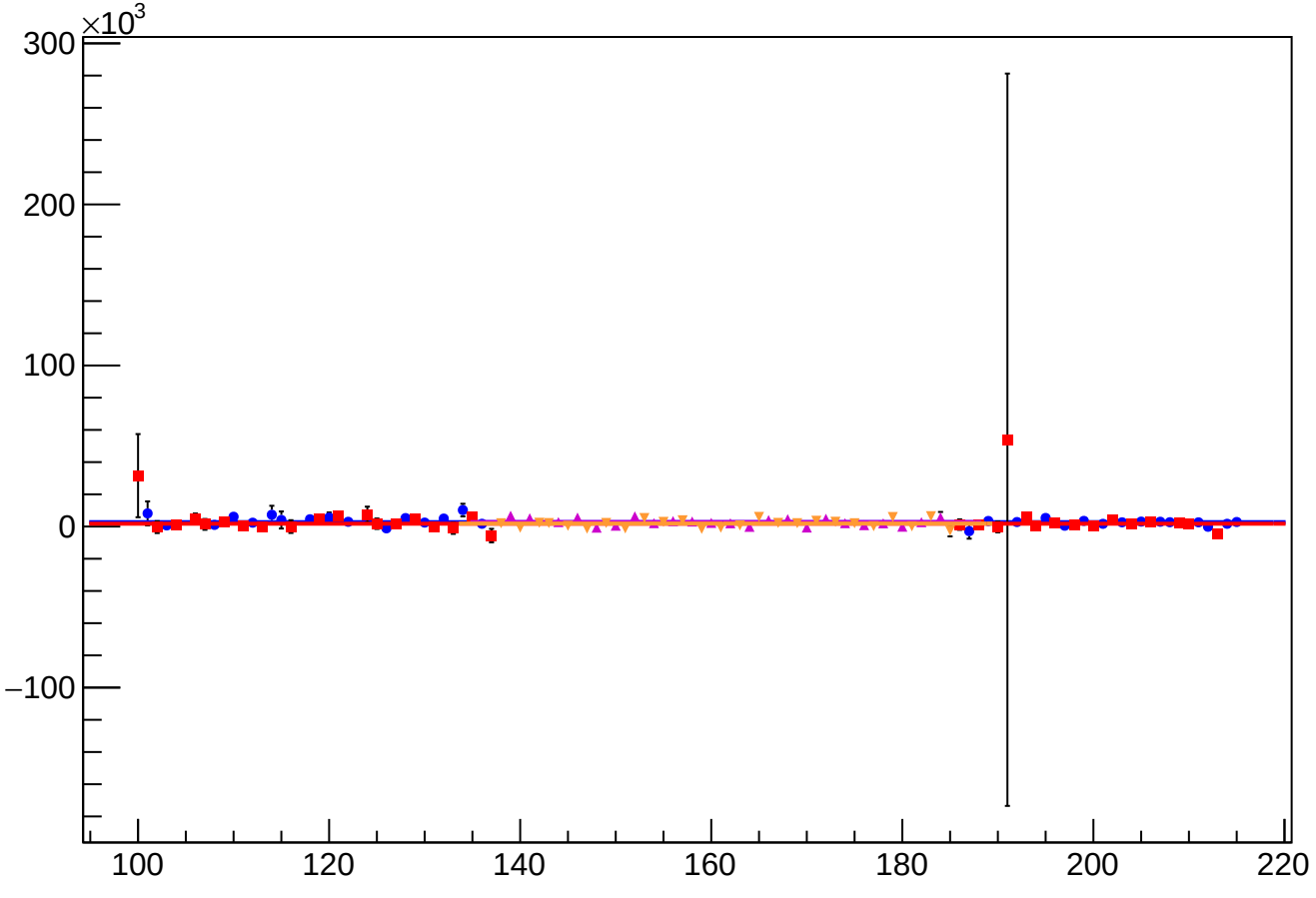
In: 0.000+/-0.000 χ^2/NDF:50.7/53

Out: -0.000+/-0.000 χ^2/NDF:55.1/58

All: 0.000+/-0.000 χ^2/NDF: 109.8/112


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: 8220521.2/30
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 9036504.4/33
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
Left: 0.000+/-0.000 χ²/NDF: 33507700.8/47
Right: 0.000+/-0.000 χ²/NDF: 17530911.5/64
In: 0.000+/-0.000 χ²/NDF:14796360.4/53
Out: 0.000+/-0.000 χ²/NDF:36351506.0/58
All: 0.000+/-0.000 χ²/NDF: 67317888.5/112

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2741.434+/-448.204 χ^2/NDF: 18.5/30

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 1750.835+/-454.321 χ^2/NDF: 32.8/33

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

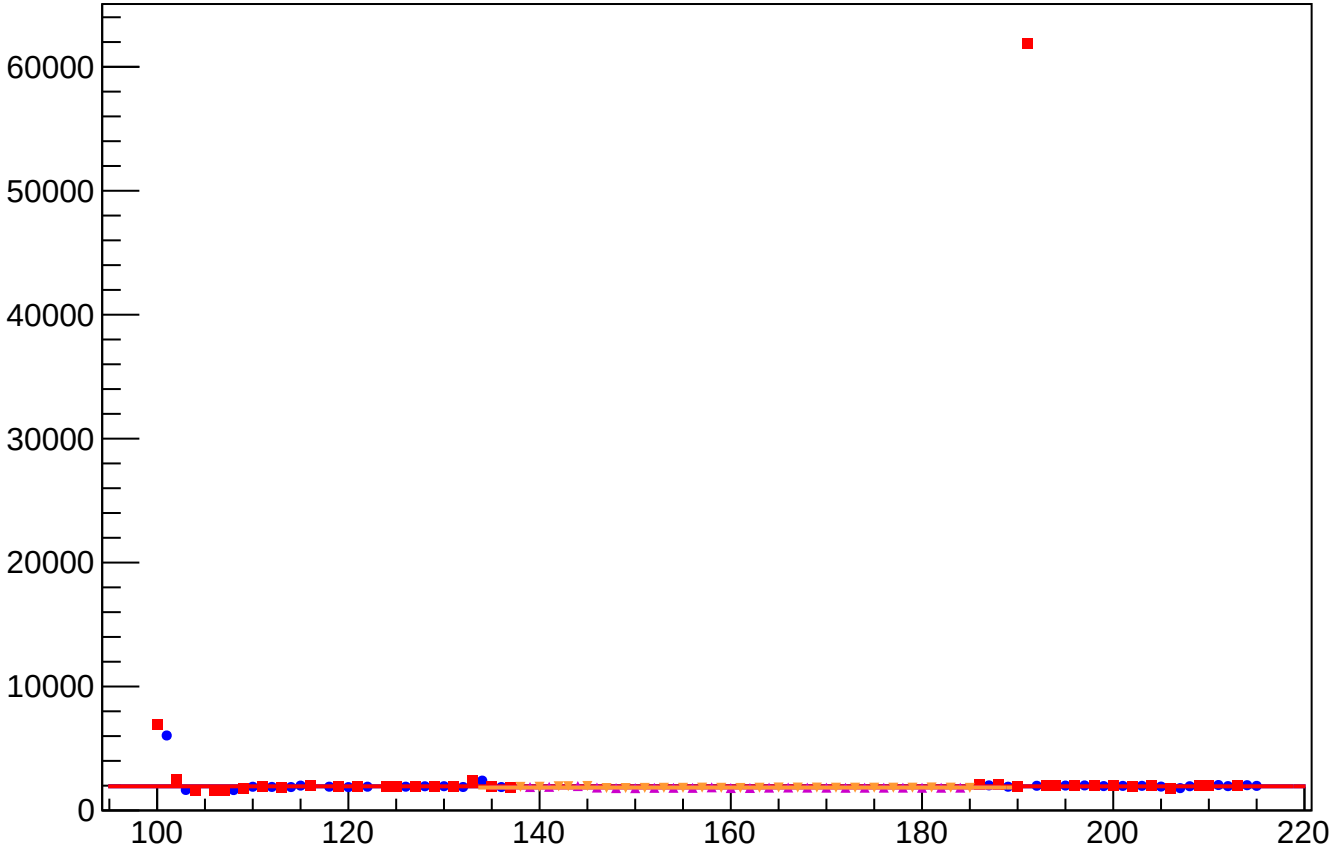
Right: 2252.847+/-319.069 χ^2/NDF: 53.7/64

In: 2759.278+/-310.618 χ^2/NDF:43.9/53

Out: 1805.381+/-308.408 χ^2/NDF:64.4/58

All: 2278.923+/-218.855 χ^2/NDF: 113.0/112

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.352+/-0.317 χ^2/NDF: 727030.4/30

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1947.671+/-0.321 χ^2/NDF: 424545.7/33

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

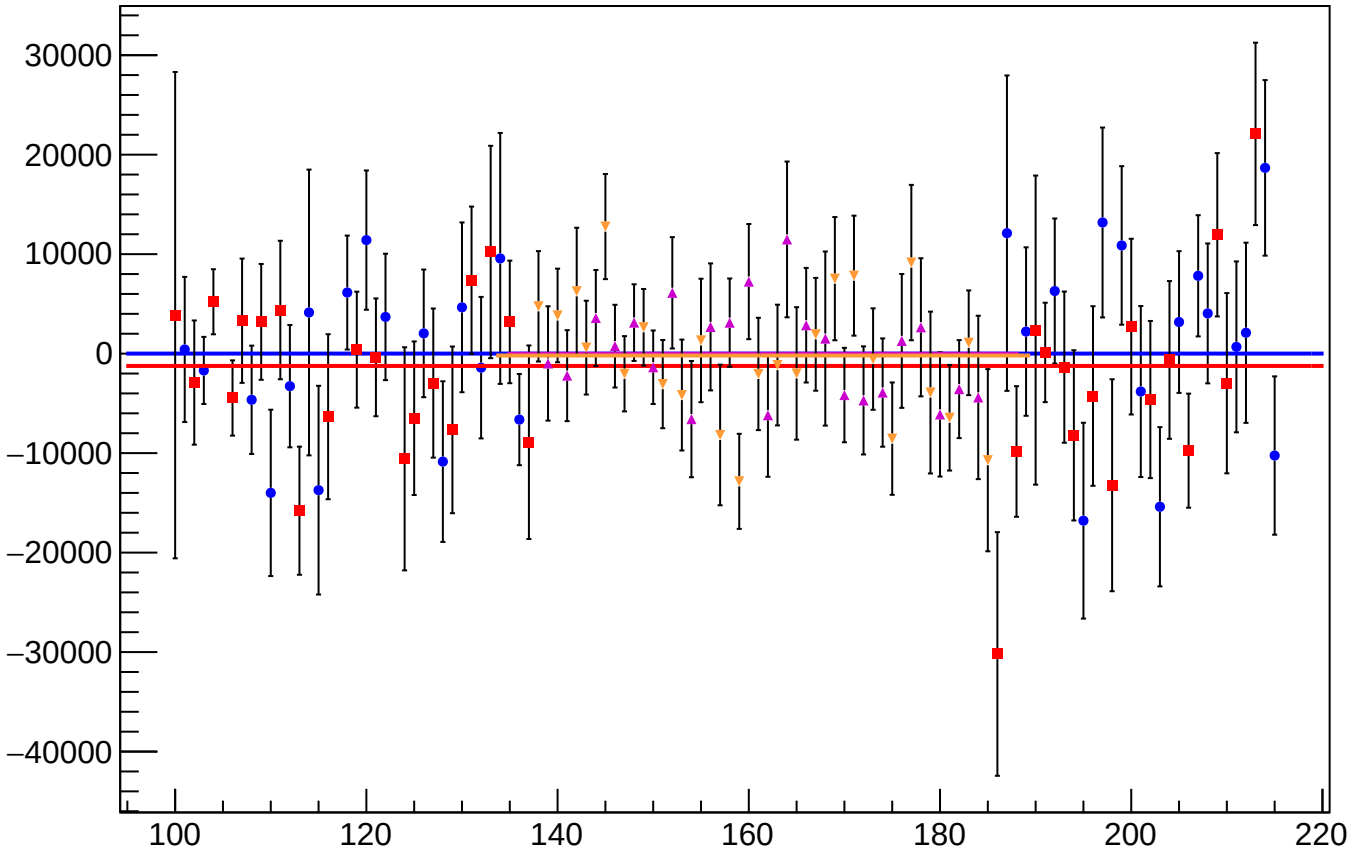
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1949.028+/-0.225 χ^2/NDF: 1151611.4/64

In: 1895.631+/-0.220 χ^2/NDF:798418.2/53

Out: 1894.281+/-0.218 χ^2/NDF:496871.1/58

All: 1894.951+/-0.155 χ^2/NDF: 1295308.3/11



Right In: 5.244+/-1267.902 χ^2/NDF: 35.3/30

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1237.729+/-1175.095 χ^2/NDF: 38.7/33

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

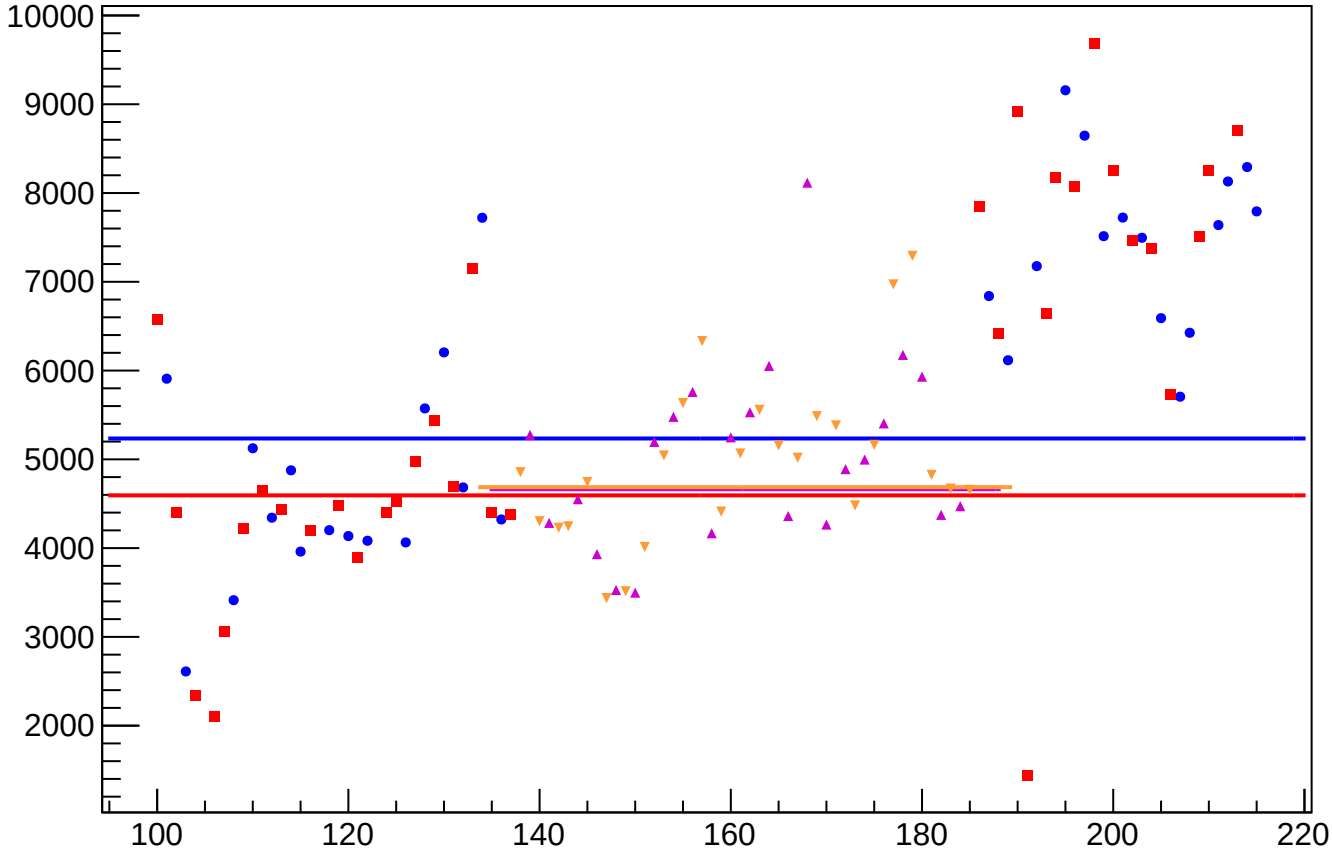
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -663.394+/-861.862 χ^2/NDF: 74.5/64

In: -8.674+/-836.263 χ^2/NDF:49.0/53

Out: -673.607+/-798.593 χ^2/NDF:68.0/58

All: -356.454+/-577.549 χ^2/NDF: 117.4/112



Right In: 5234.978+/-0.897 χ^2/NDF: 4167872.5/30

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4594.200+/-0.831 χ^2/NDF: 6553012.8/33

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

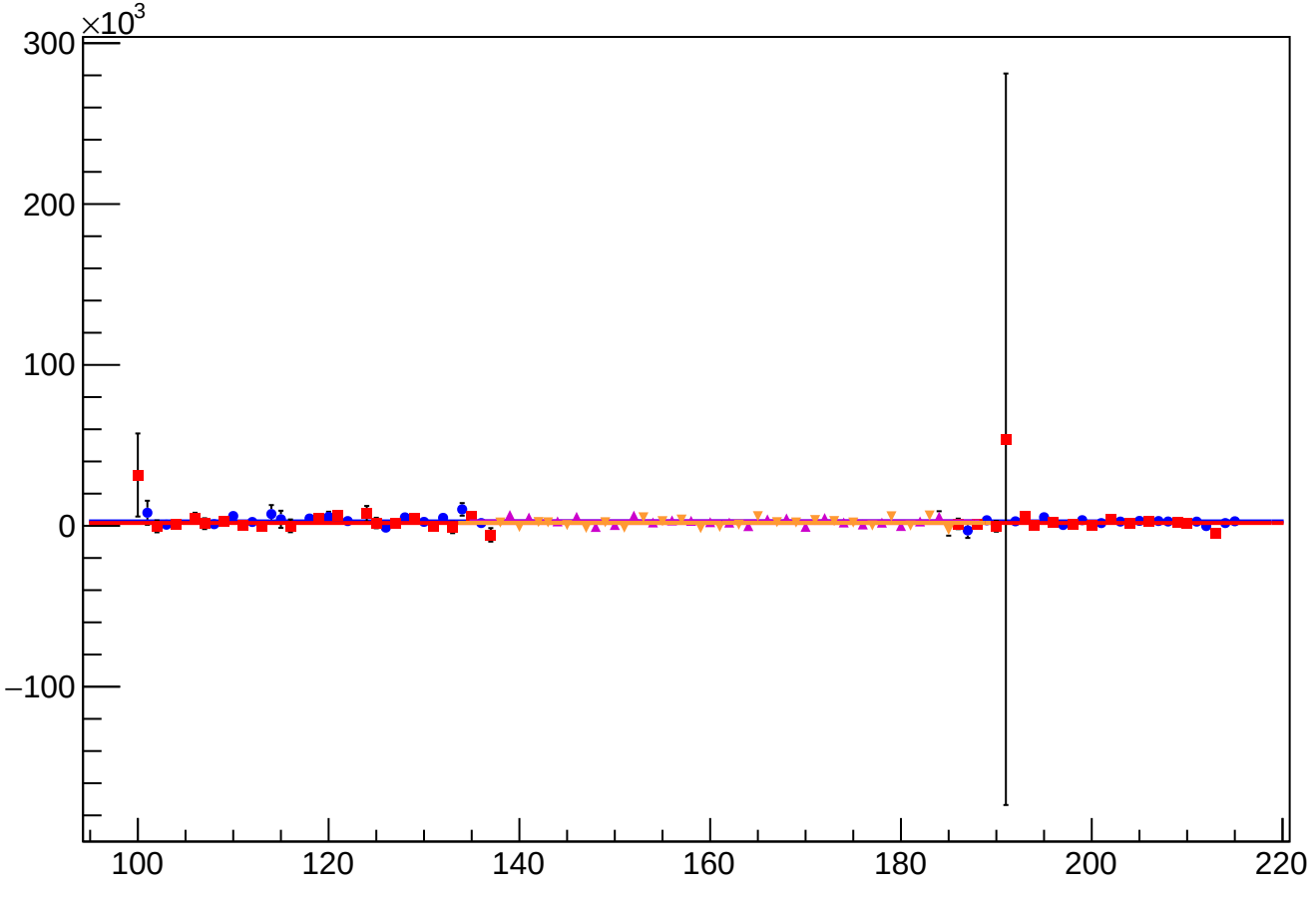
Right: 4890.281+/-0.609 χ^2/NDF: 10995677.5/64

In: 4911.979+/-0.591 χ^2/NDF:5684337.3/53

Out: 4643.792+/-0.565 χ^2/NDF:7744695.6/58

All: 4771.709+/-0.408 χ^2/NDF: 13536616.6/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2741.177+/-448.204 χ^2/NDF: 18.5/30

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1751.314+/-454.322 χ^2/NDF: 32.8/33

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

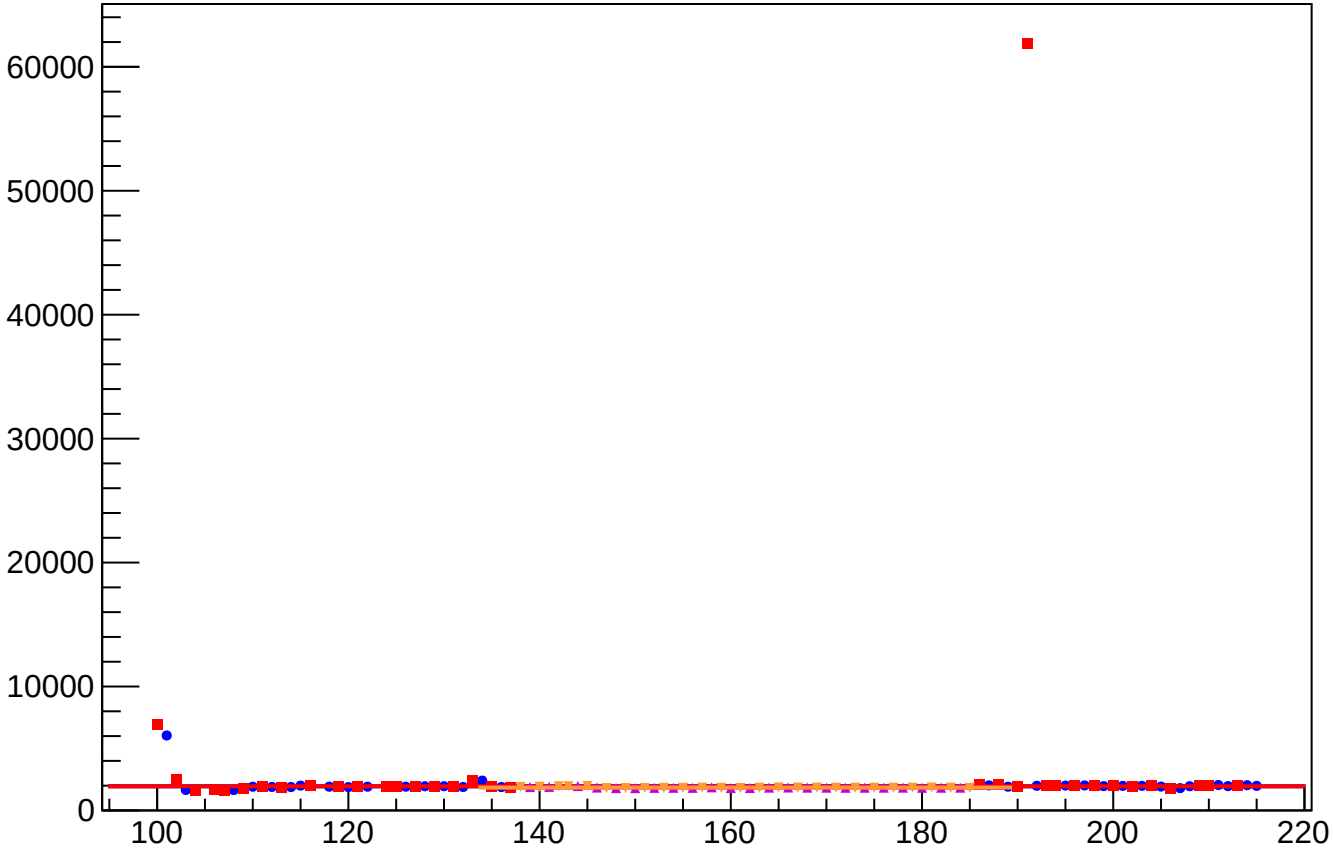
Right: 2252.955+/-319.069 χ^2/NDF: 53.7/64

In: 2759.143+/-310.618 χ^2/NDF:43.9/53

Out: 1805.542+/-308.408 χ^2/NDF:64.4/58

All: 2278.937+/-218.855 χ^2/NDF: 113.1/112

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.352+/-0.317 χ^2/NDF: 727029.4/30

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1949.390+/-0.321 χ^2/NDF: 416257.3/33

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

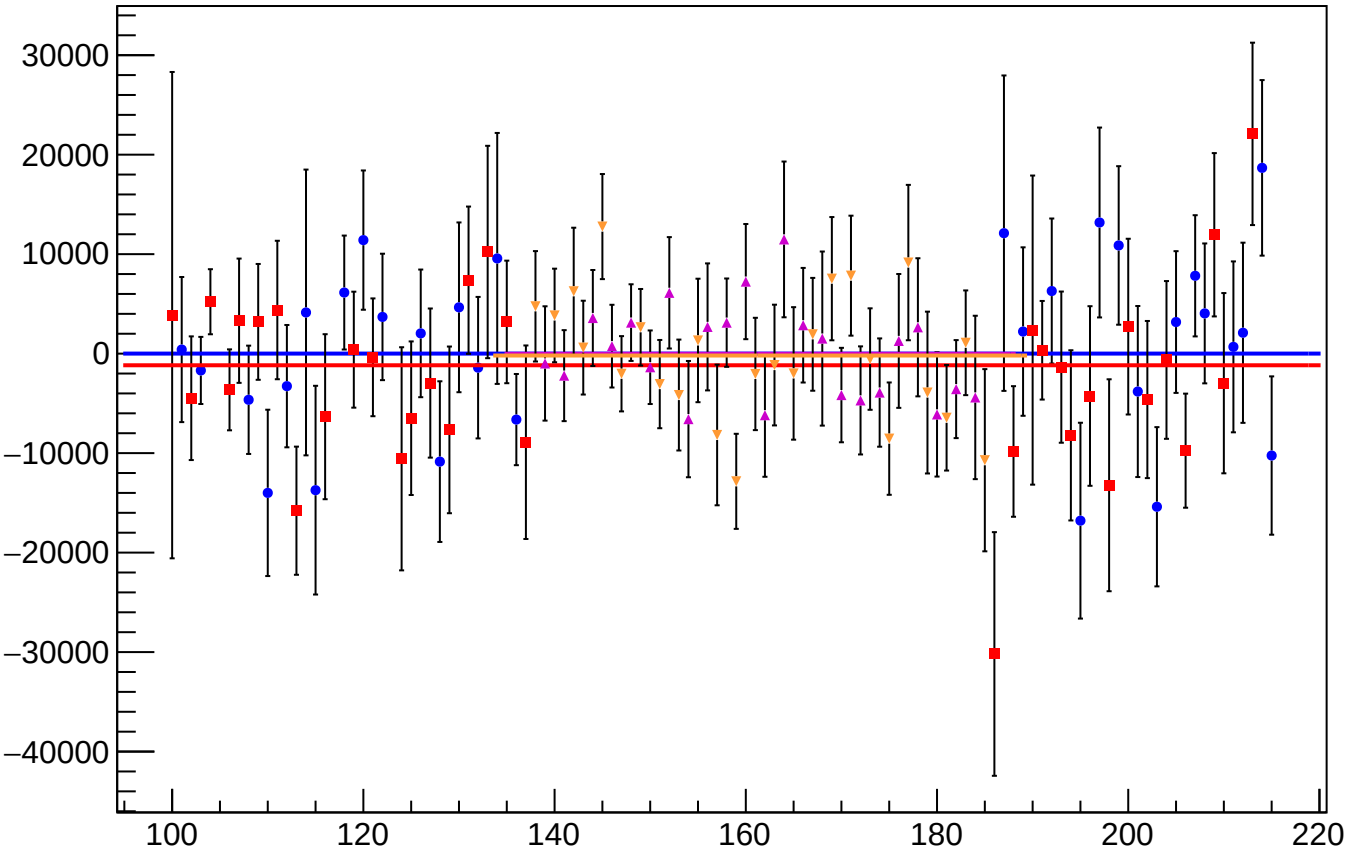
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1949.877+/-0.226 χ^2/NDF: 1143291.3/64

In: 1895.631+/-0.220 χ^2/NDF:798417.3/53

Out: 1895.036+/-0.218 χ^2/NDF:490337.2/58

All: 1895.331+/-0.155 χ^2/NDF: 1288758.3/11



Right In: 5.059+/-1267.903 χ^2/NDF: 35.3/30

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1169.133+/-1182.191 χ^2/NDF: 38.5/33

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

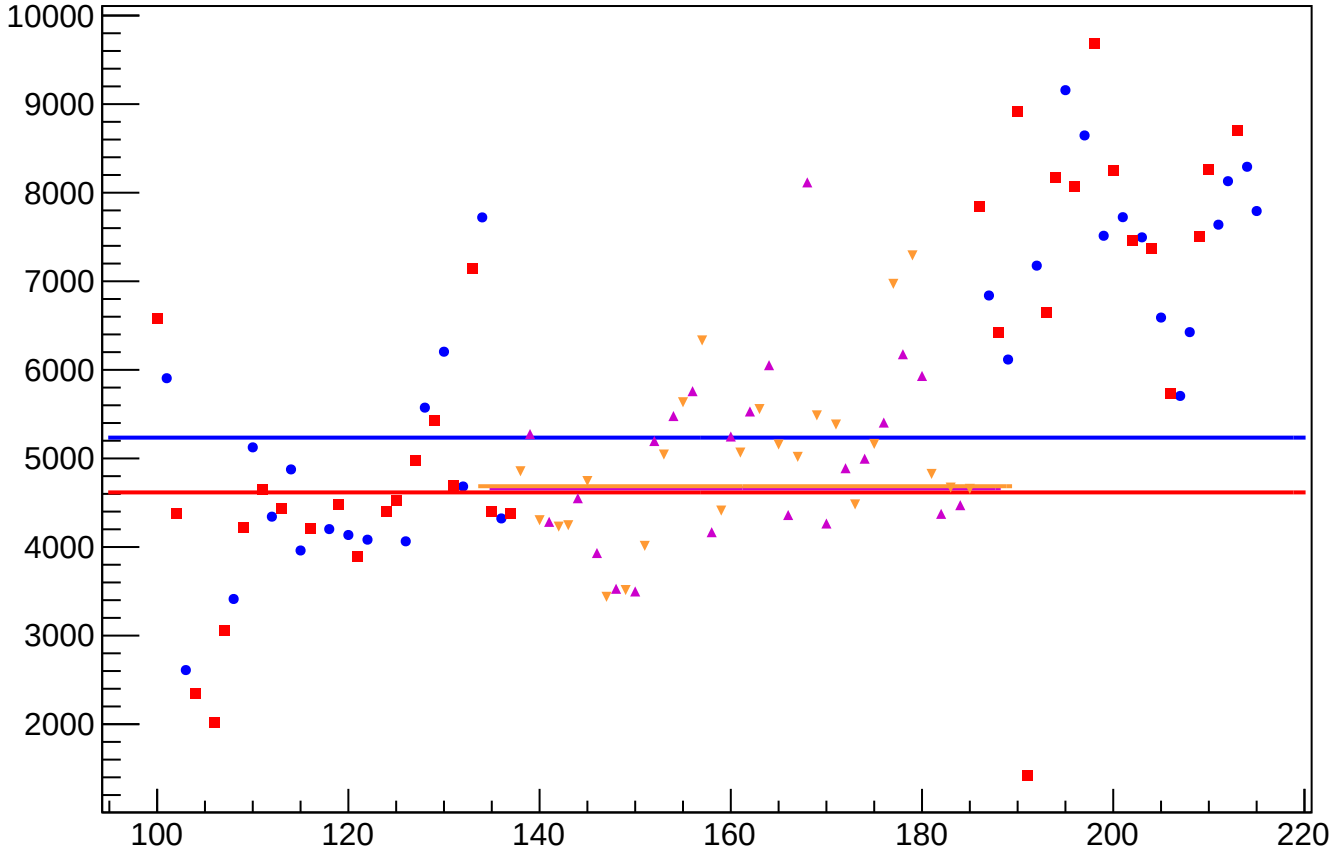
Right: -623.064+/-864.650 χ^2/NDF: 74.3/64

In: -8.777+/-836.264 χ^2/NDF:49.0/53

Out: -639.010+/-800.809 χ^2/NDF:67.8/58

All: -337.537+/-578.386 χ^2/NDF: 117.1/112

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5235.040+/-0.897 χ^2/NDF: 4167201.6/30

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4616.547+/-0.836 χ^2/NDF: 6501051.5/33

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

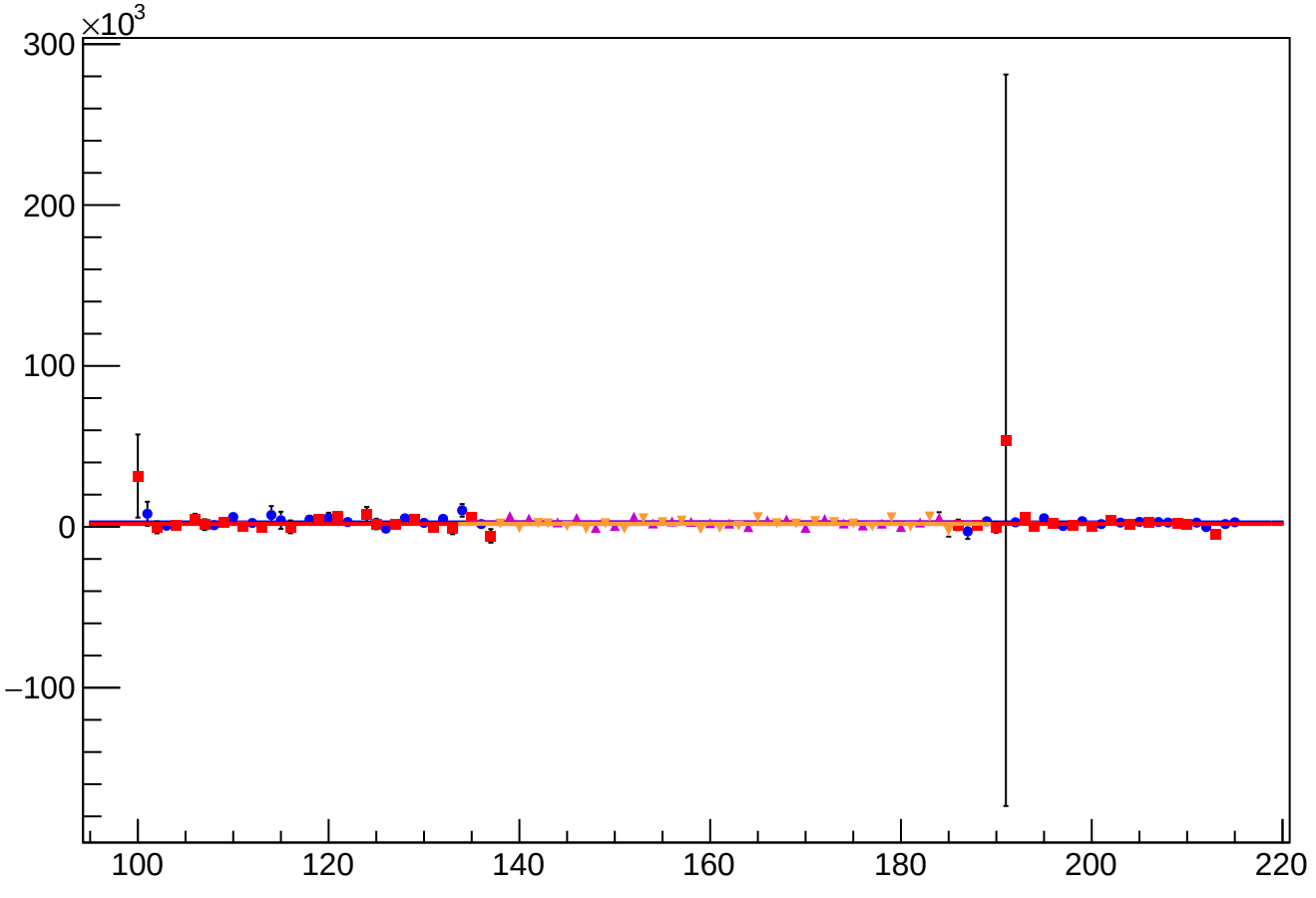
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4904.182+/-0.611 χ^2/NDF: 10922838.7/64

In: 4912.006+/-0.591 χ^2/NDF:5683710.5/53

Out: 4654.318+/-0.566 χ^2/NDF:7689913.3/58

All: 4777.584+/-0.409 χ^2/NDF: 13472686.8/1



Right In: 2741.177+/-448.204 χ^2/NDF: 18.5/30

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 1751.314+/-454.322 χ^2/NDF: 32.8/33

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

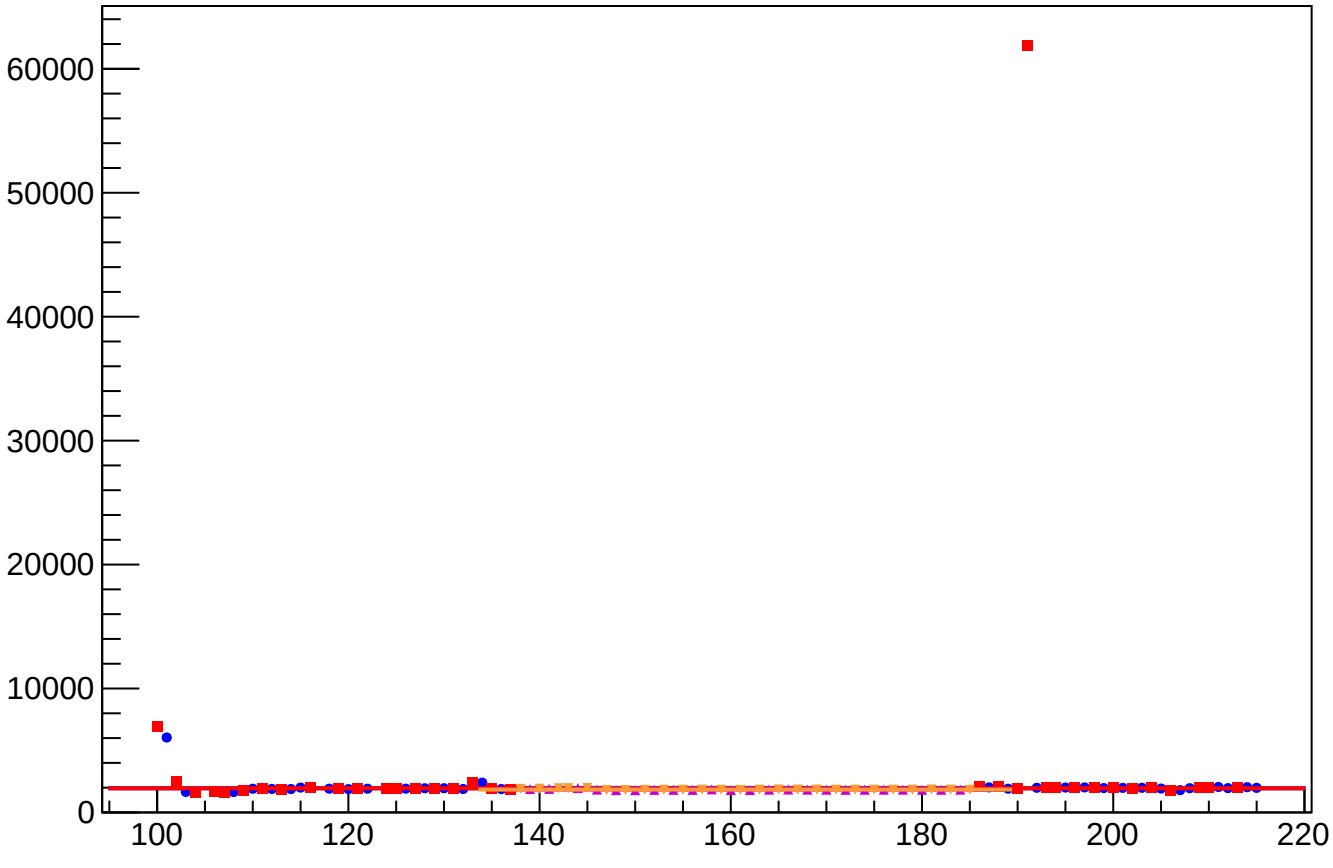
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2252.955+/-319.069 χ^2/NDF: 53.7/64

In: 2759.143+/-310.618 χ^2/NDF:43.9/53

Out: 1805.542+/-308.408 χ^2/NDF:64.4/58

All: 2278.937+/-218.855 χ^2/NDF: 113.1/112



Right In: 1950.352+/-0.317 χ^2/NDF: 727029.4/30

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1949.390+/-0.321 χ^2/NDF: 416257.3/33

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

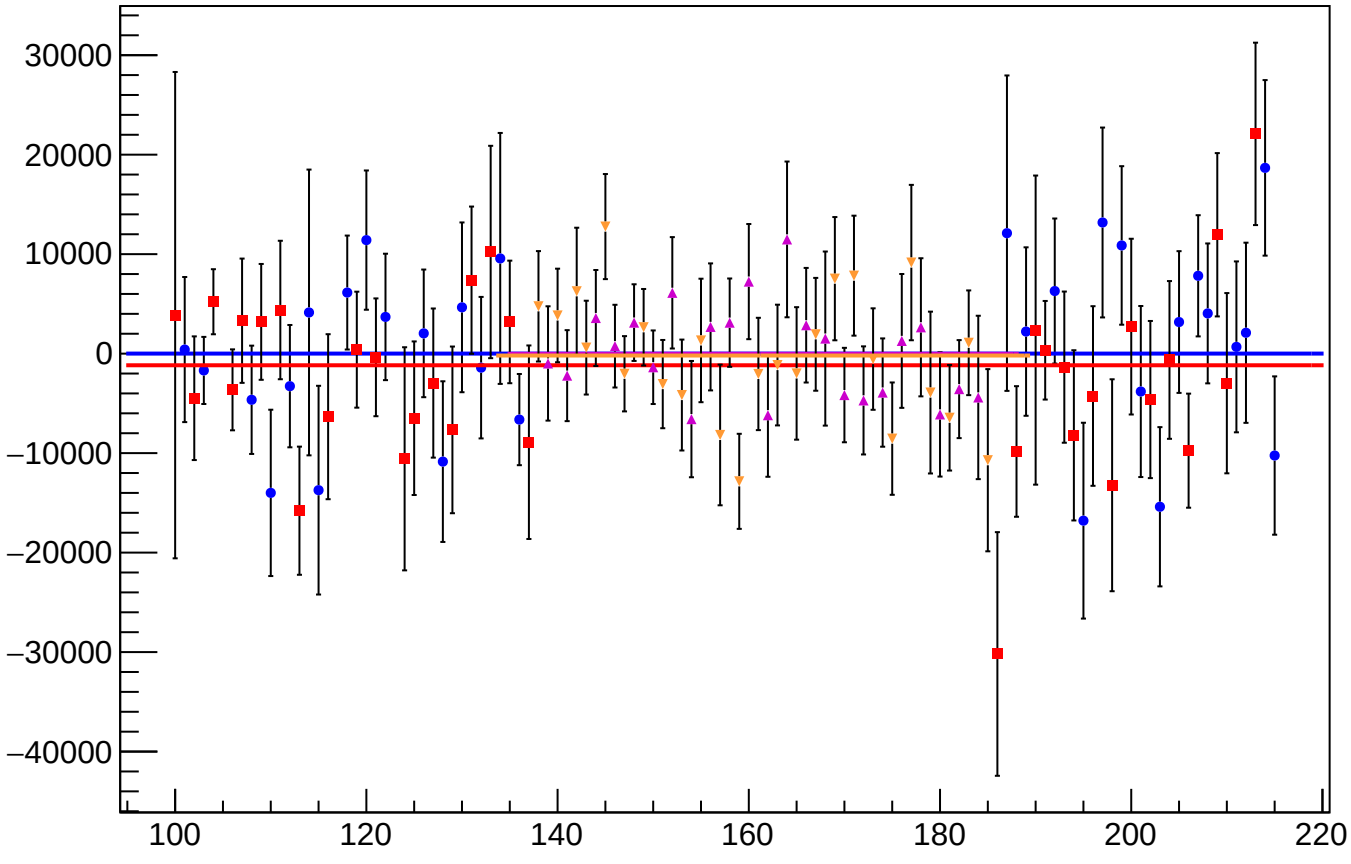
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1949.877+/-0.226 χ^2/NDF: 1143291.3/64

In: 1895.631+/-0.220 χ^2/NDF:798417.3/53

Out: 1895.036+/-0.218 χ^2/NDF:490337.2/58

All: 1895.331+/-0.155 χ^2/NDF: 1288758.3/11



Right In: 5.059+/-1267.903 χ^2/NDF: 35.3/30

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1169.133+/-1182.191 χ^2/NDF: 38.5/33

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

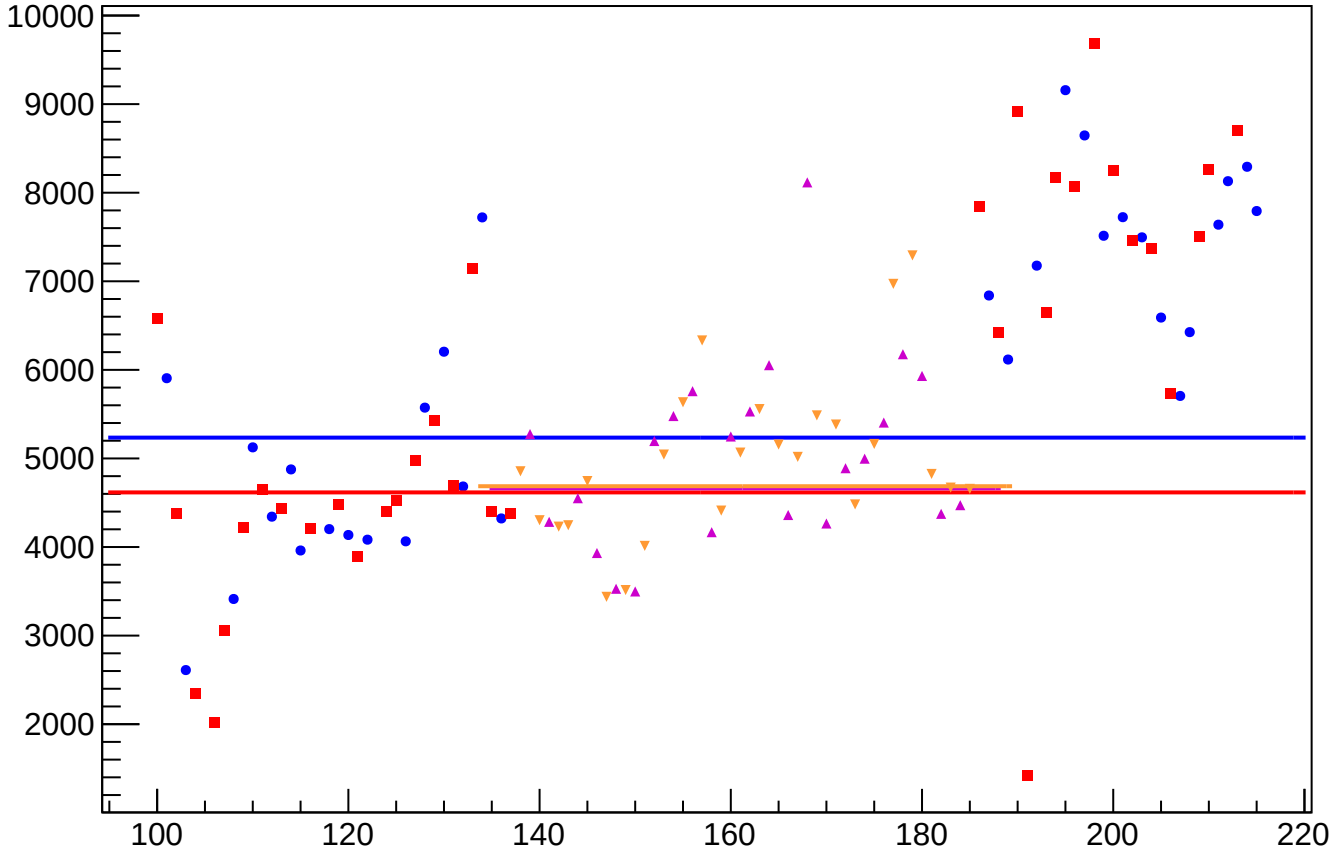
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -623.064+/-864.650 χ^2/NDF: 74.3/64

In: -8.777+/-836.264 χ^2/NDF:49.0/53

Out: -639.010+/-800.809 χ^2/NDF:67.8/58

All: -337.537+/-578.386 χ^2/NDF: 117.1/112



Right In: 5235.040+/-0.897 χ^2/NDF: 4167201.6/30

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4616.547+/-0.836 χ^2/NDF: 6501051.5/33

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

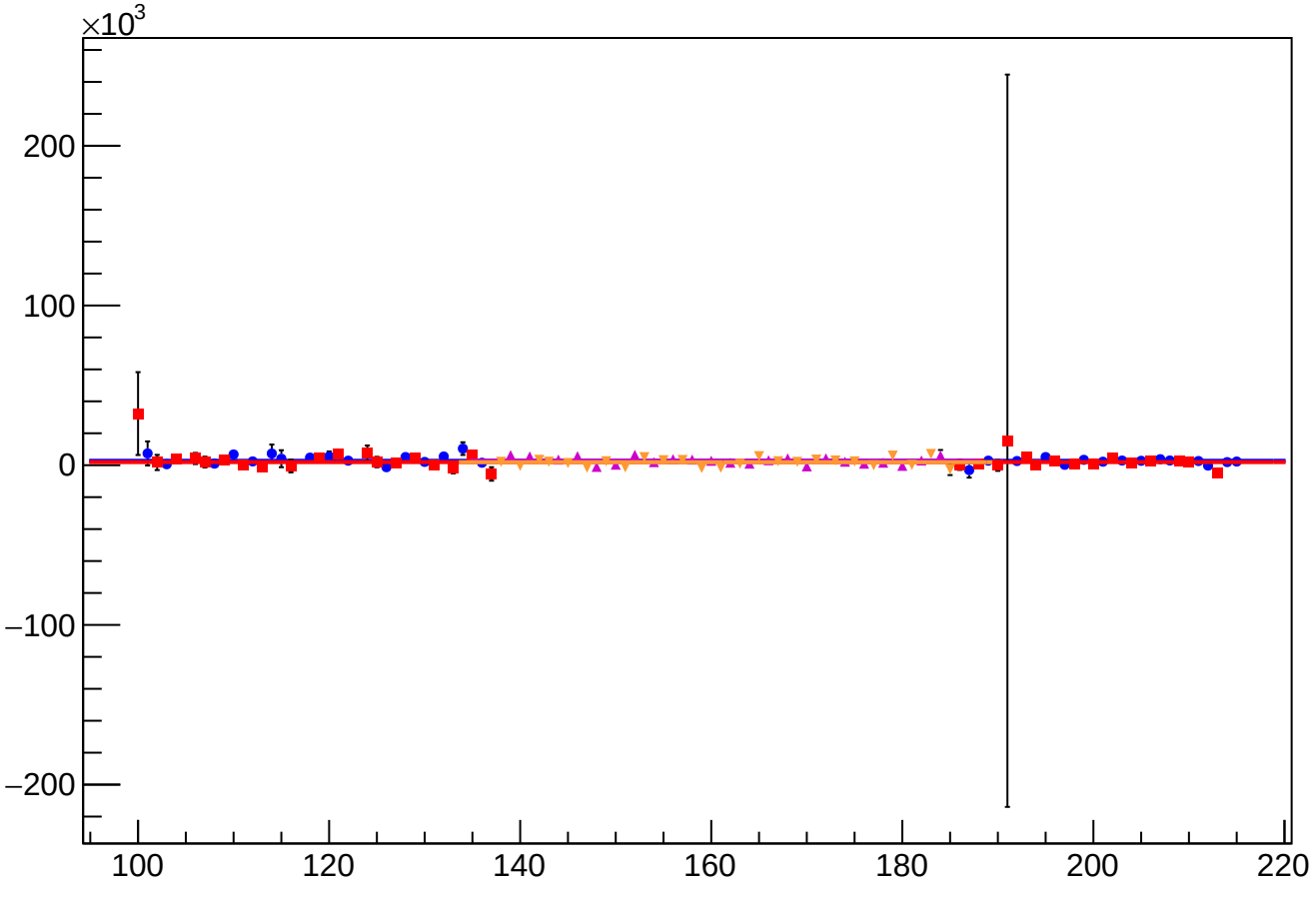
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4904.182+/-0.611 χ^2/NDF: 10922838.7/64

In: 4912.006+/-0.591 χ^2/NDF:5683710.5/53

Out: 4654.318+/-0.566 χ^2/NDF:7689913.3/58

All: 4777.584+/-0.409 χ^2/NDF: 13472686.8/1



Right In: 2771.471+/-456.391 χ^2/NDF: 19.0/30

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 1936.219+/-464.154 χ^2/NDF: 34.4/33

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

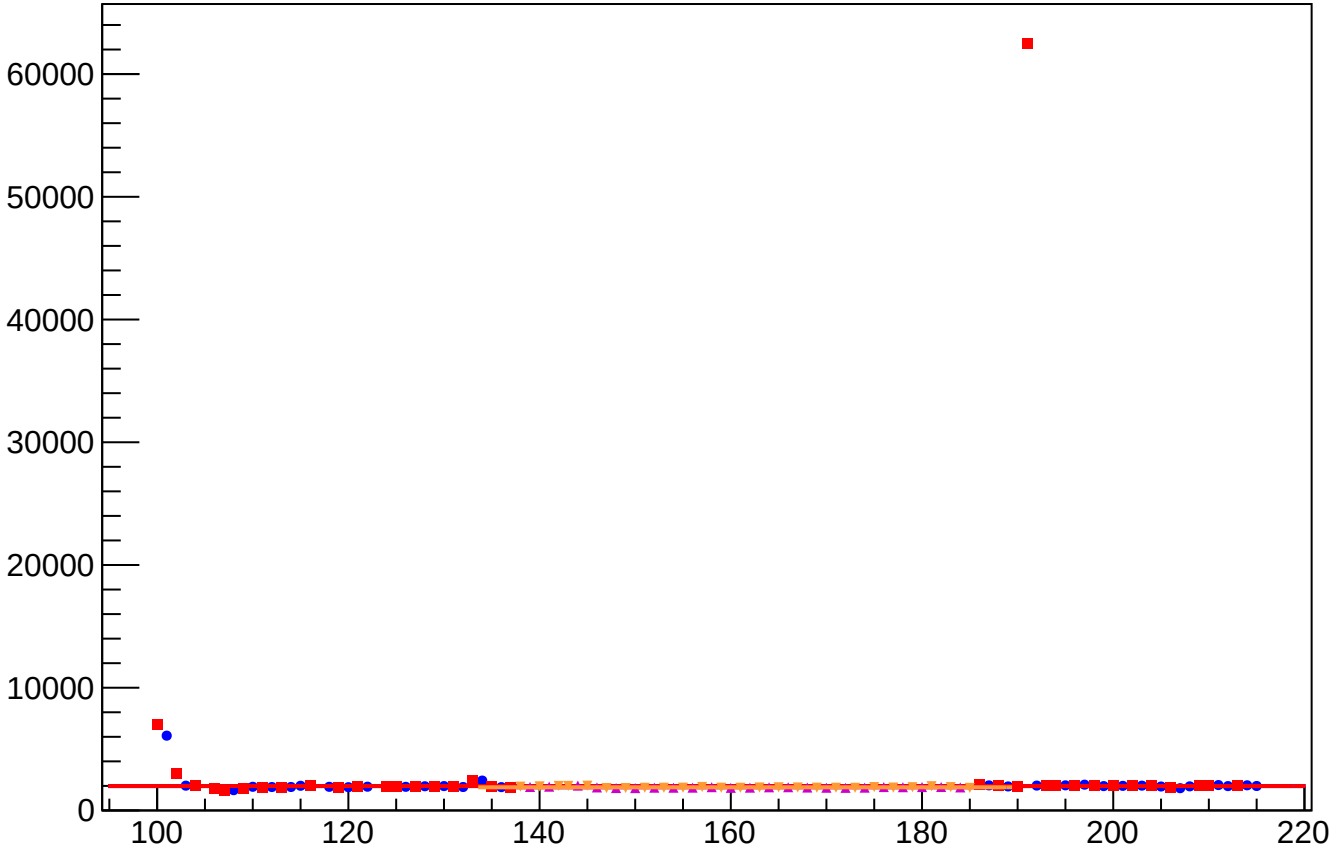
Right: 2360.888+/-325.427 χ^2/NDF: 55.1/64

In: 2785.469+/-316.477 χ^2/NDF:44.4/53

Out: 1906.399+/-315.037 χ^2/NDF:67.4/58

All: 2343.929+/-223.272 χ^2/NDF: 115.7/112

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1986.576+/-0.323 χ^2/NDF: 695065.2/30

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1987.990+/-0.328 χ^2/NDF: 436079.3/33

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

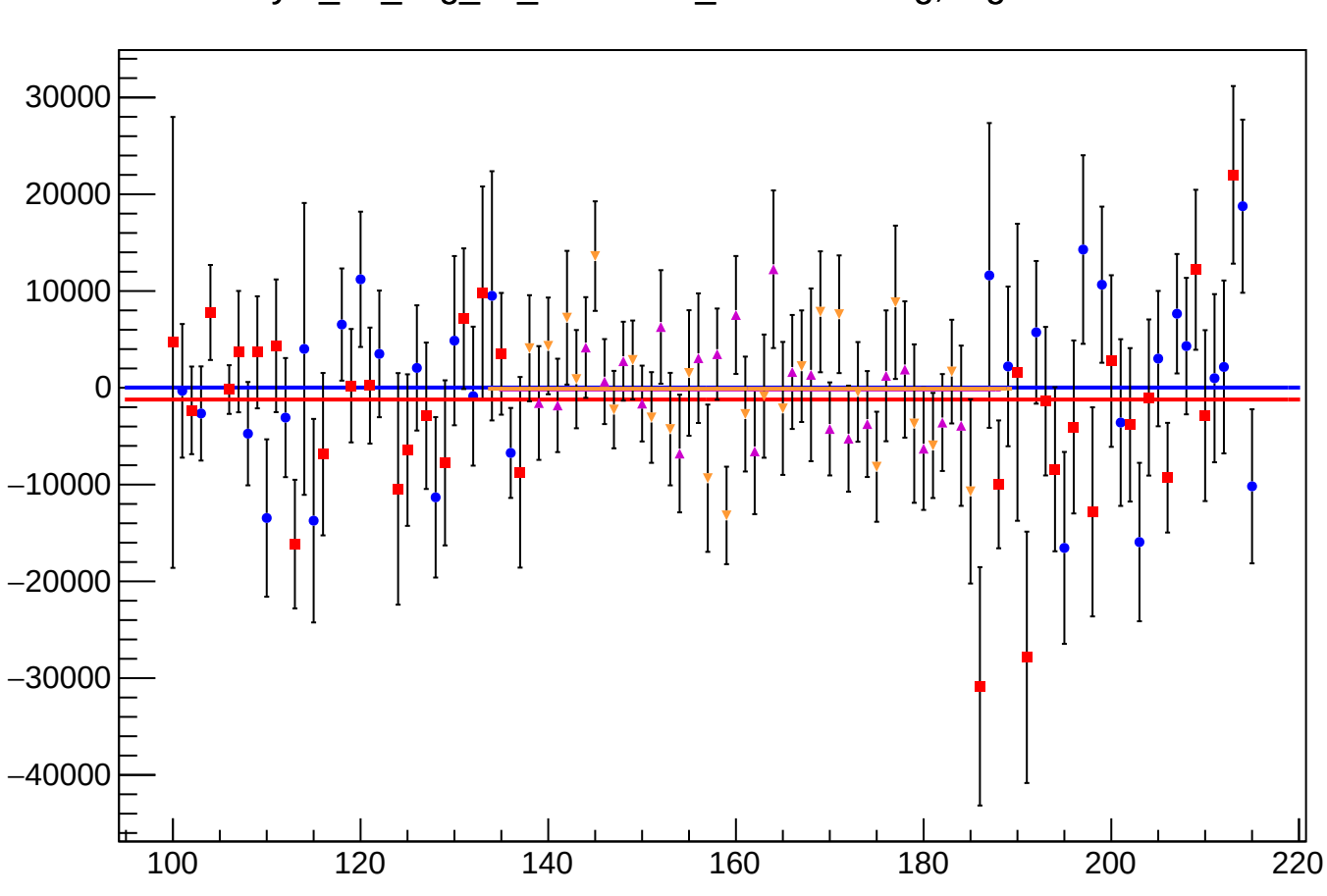
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1987.271+/-0.230 χ^2/NDF: 1131154.0/64

In: 1931.546+/-0.224 χ^2/NDF:770113.3/53

Out: 1933.835+/-0.223 χ^2/NDF:518567.6/58

All: 1932.696+/-0.158 χ^2/NDF: 1288733.4/11



Right In: 27.079+/-1321.451 χ^2/NDF: 35.0/30

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -1212.657+/-1159.419 χ^2/NDF: 41.6/33

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

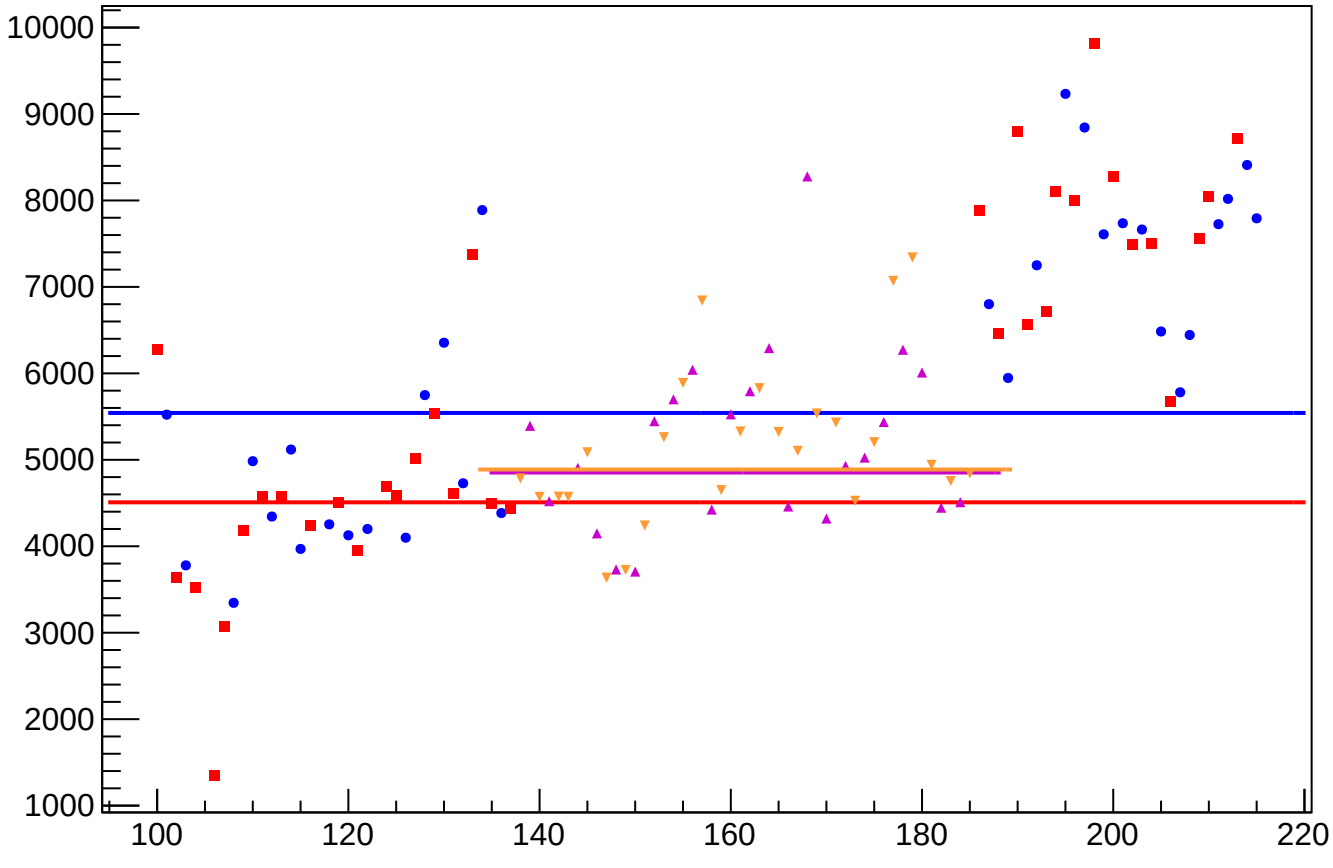
Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

Right: -673.416+/-871.521 χ^2/NDF: 77.1/64

In: -88.602+/-870.092 χ^2/NDF:48.5/53

Out: -639.474+/-810.416 χ^2/NDF:70.2/58

All: -383.575+/-593.027 χ^2/NDF: 118.9/112



Right In: 5542.142+/-0.934 χ^2/NDF: 3076795.8/30

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4508.171+/-0.820 χ^2/NDF: 7495998.8/33

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

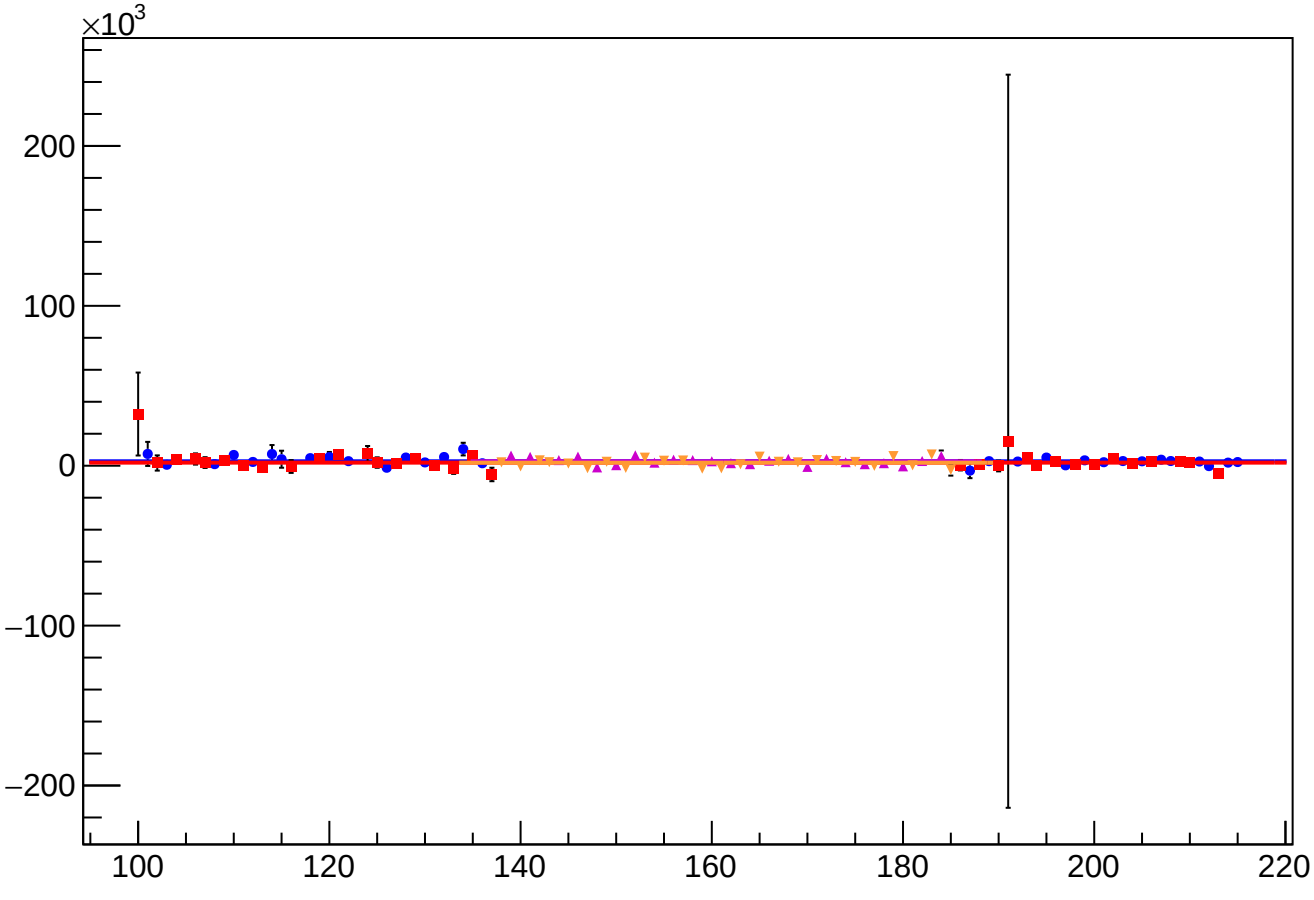
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4957.912+/-0.616 χ^2/NDF: 11264656.8/64

In: 5151.976+/-0.615 χ^2/NDF:4563224.4/53

Out: 4702.333+/-0.573 χ^2/NDF:8668969.6/58

All: 4911.207+/-0.419 χ^2/NDF: 13518194.8/1



Right In: 2771.468+/-456.391 χ^2/NDF: 19.0/30

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 1936.220+/-464.154 χ^2/NDF: 34.4/33

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

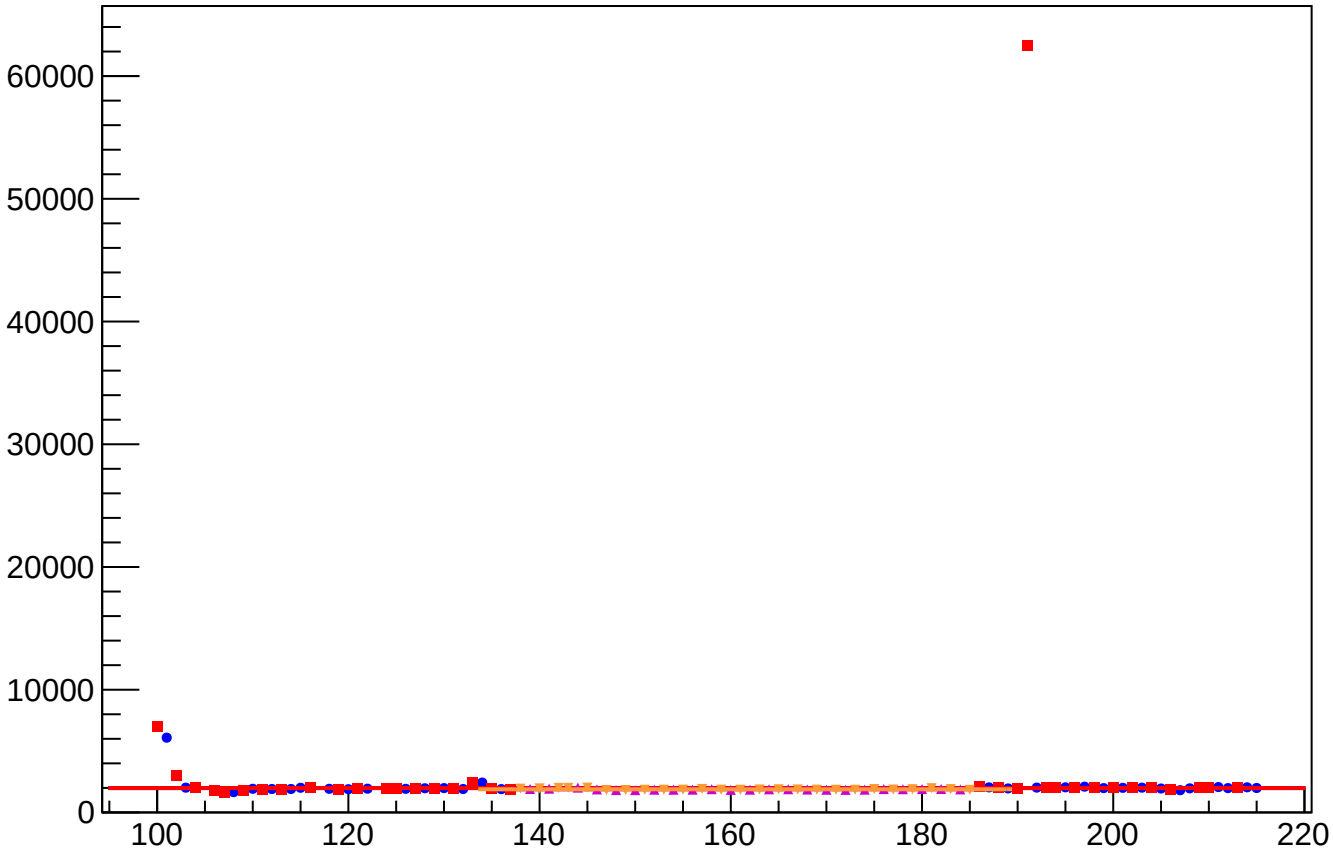
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2360.887+/-325.427 χ^2/NDF: 55.1/64

In: 2785.468+/-316.477 χ^2/NDF:44.4/53

Out: 1906.396+/-315.037 χ^2/NDF:67.4/58

All: 2343.927+/-223.272 χ^2/NDF: 115.7/112



Right In: 1986.576+/-0.323 χ^2/NDF: 695065.4/30

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1987.990+/-0.328 χ^2/NDF: 436078.8/33

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

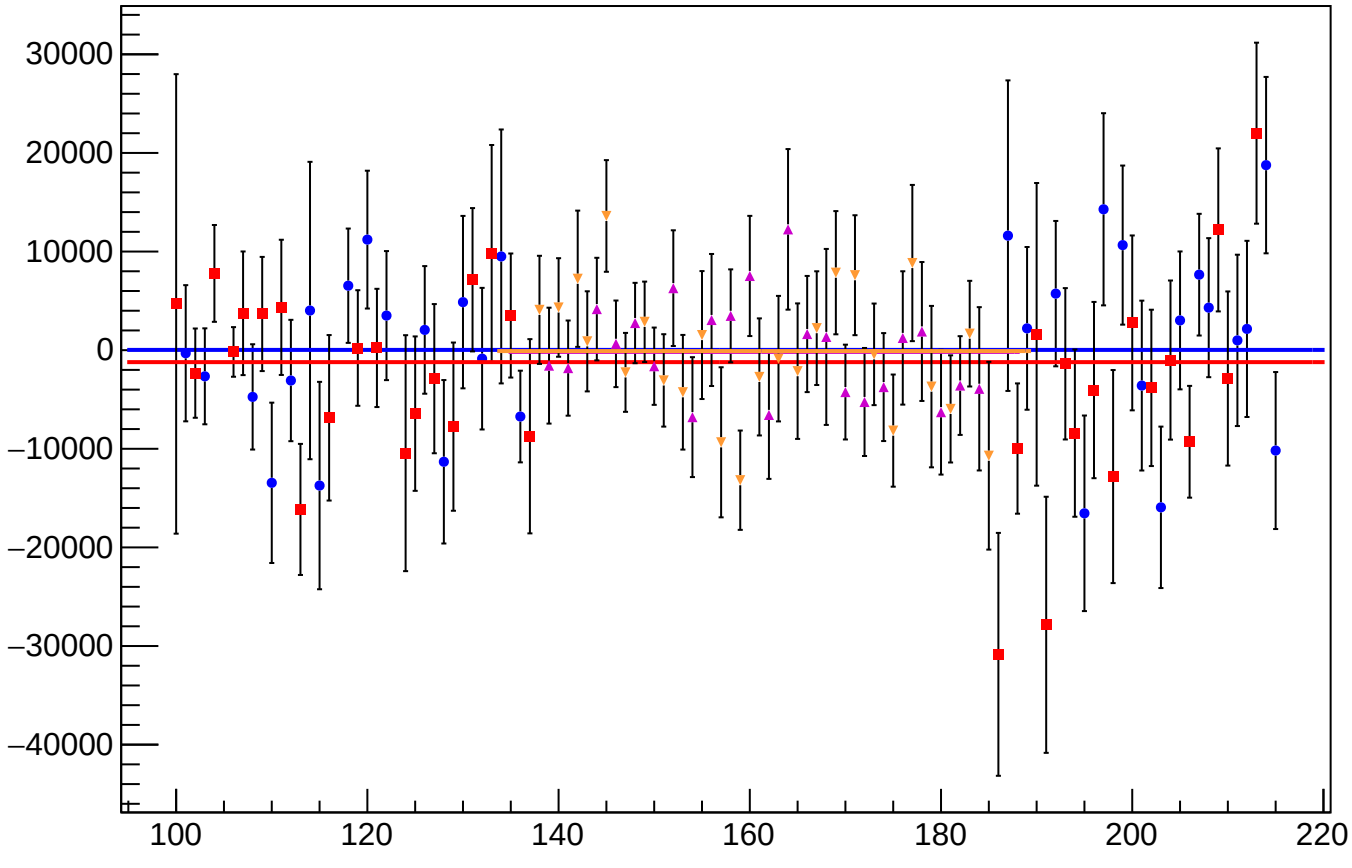
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1987.271+/-0.230 χ^2/NDF: 1131153.6/64

In: 1931.546+/-0.224 χ^2/NDF:770112.5/53

Out: 1933.836+/-0.223 χ^2/NDF:518566.3/58

All: 1932.696+/-0.158 χ^2/NDF: 1288731.4/11



Right In: 27.086+/-1321.450 χ^2/NDF: 35.0/30

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -1212.655+/-1159.417 χ^2/NDF: 41.6/33

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

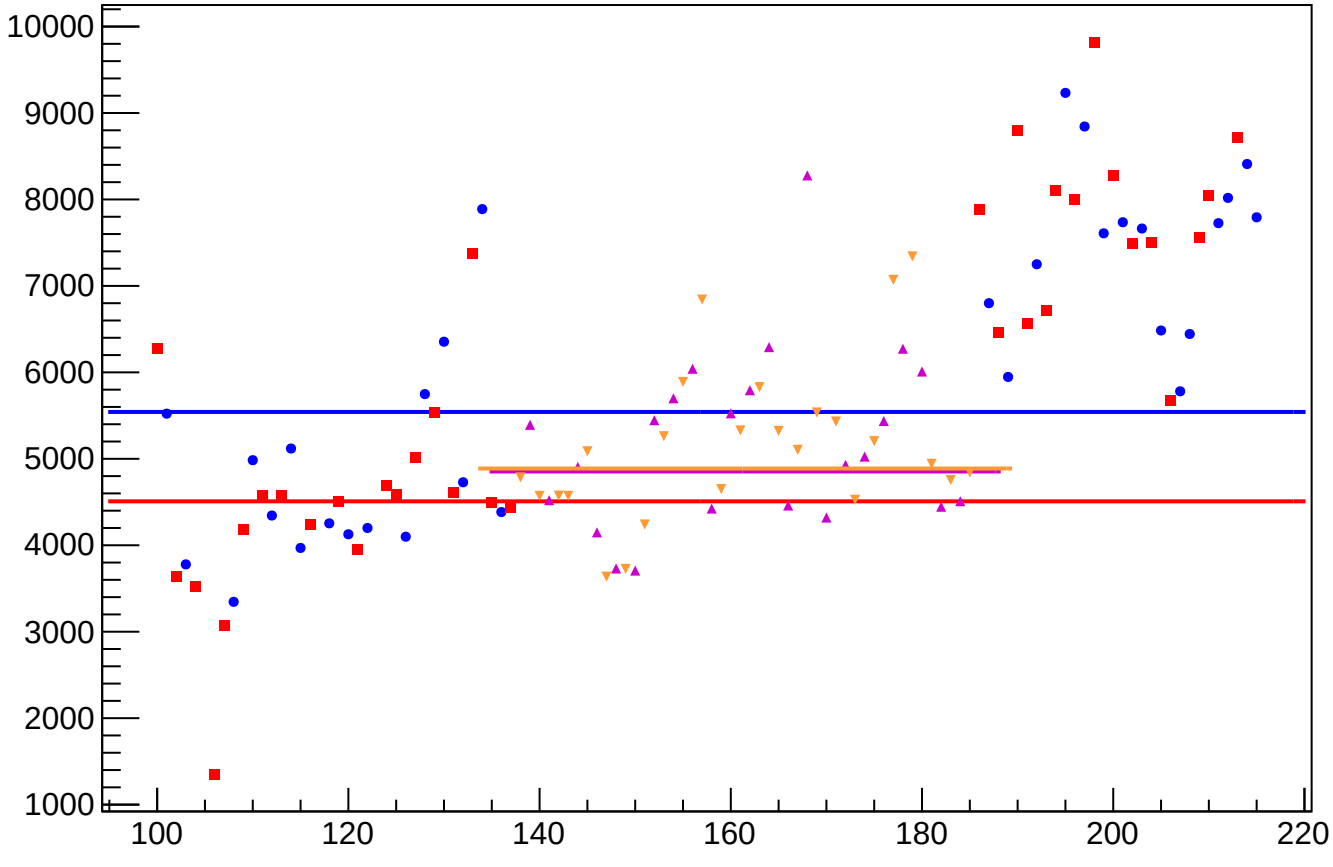
Right: -673.412+/-871.521 χ^2/NDF: 77.1/64

In: -88.600+/-870.093 χ^2/NDF:48.5/53

Out: -639.476+/-810.417 χ^2/NDF:70.2/58

All: -383.575+/-593.027 χ^2/NDF: 118.9/112

asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5542.137+/-0.934 χ^2/NDF: 3076820.1/30

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4508.163+/-0.820 χ^2/NDF: 7496041.4/33

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

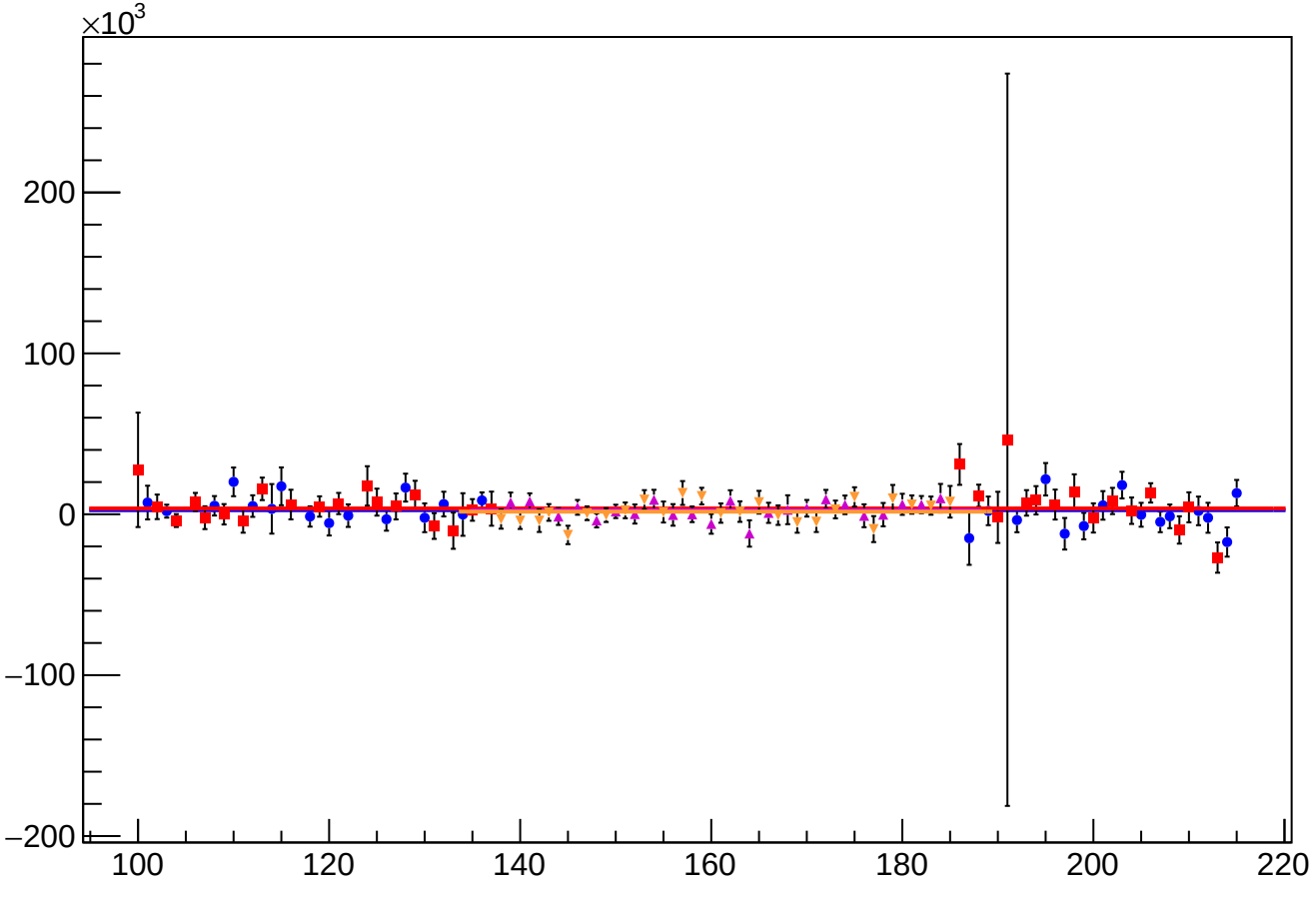
Right: 4957.905+/-0.616 χ^2/NDF: 11264730.6/64

In: 5151.979+/-0.615 χ^2/NDF:4563240.3/53

Out: 4702.332+/-0.573 χ^2/NDF:8669023.2/58

All: 4911.208+/-0.419 χ^2/NDF: 13518268.9/1

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2551.606+/-1382.659 χ^2/NDF: 34.2/30

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 3579.045+/-1356.071 χ^2/NDF: 39.6/33

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

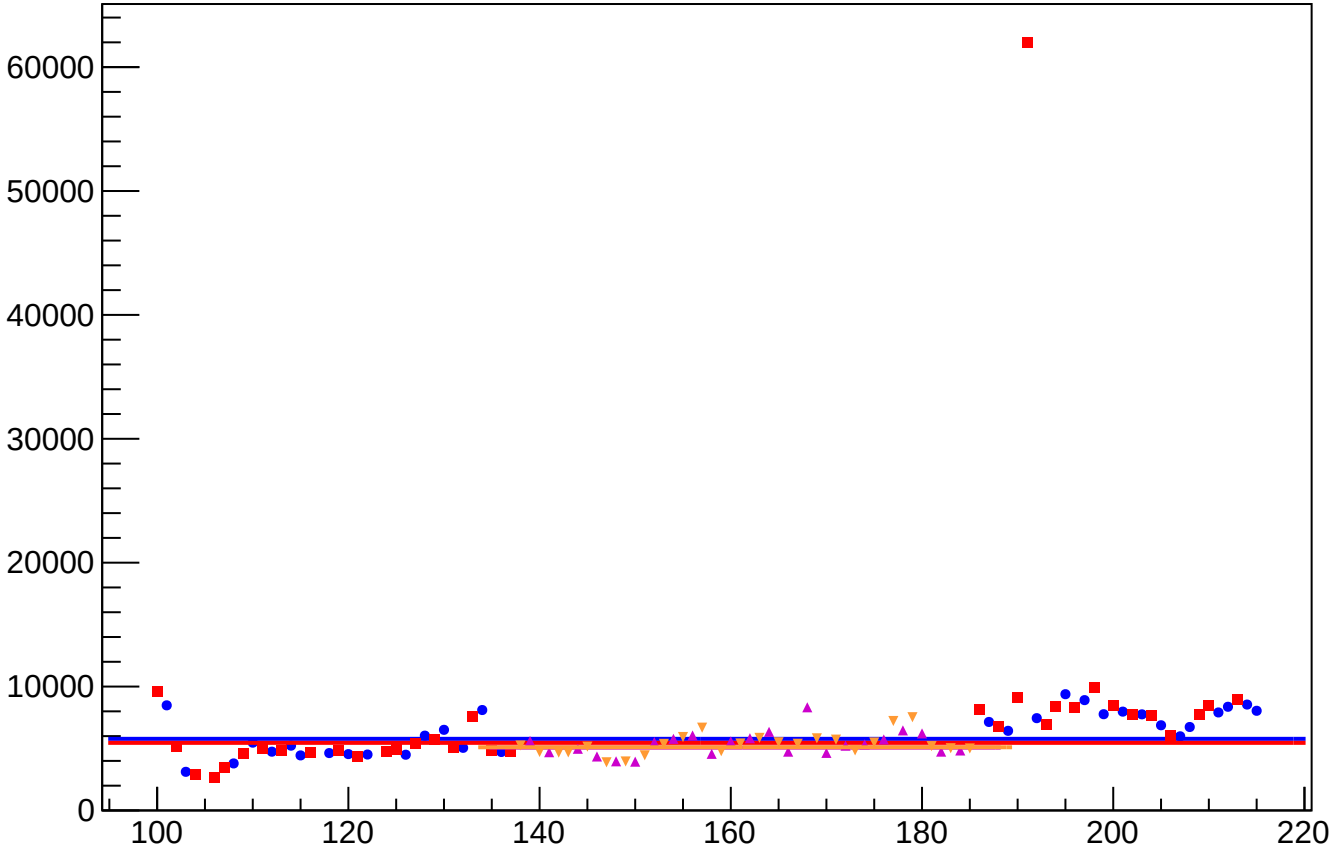
Right: 3075.299+/-968.150 χ^2/NDF: 74.0/64

In: 2558.427+/-908.189 χ^2/NDF:50.1/53

Out: 2482.786+/-889.593 χ^2/NDF:66.7/58

All: 2519.824+/-635.510 χ^2/NDF: 116.8/112

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5781.013+/-0.978 χ^2/NDF: 3352514.7/30

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5457.033+/-0.953 χ^2/NDF: 4260916.5/33

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

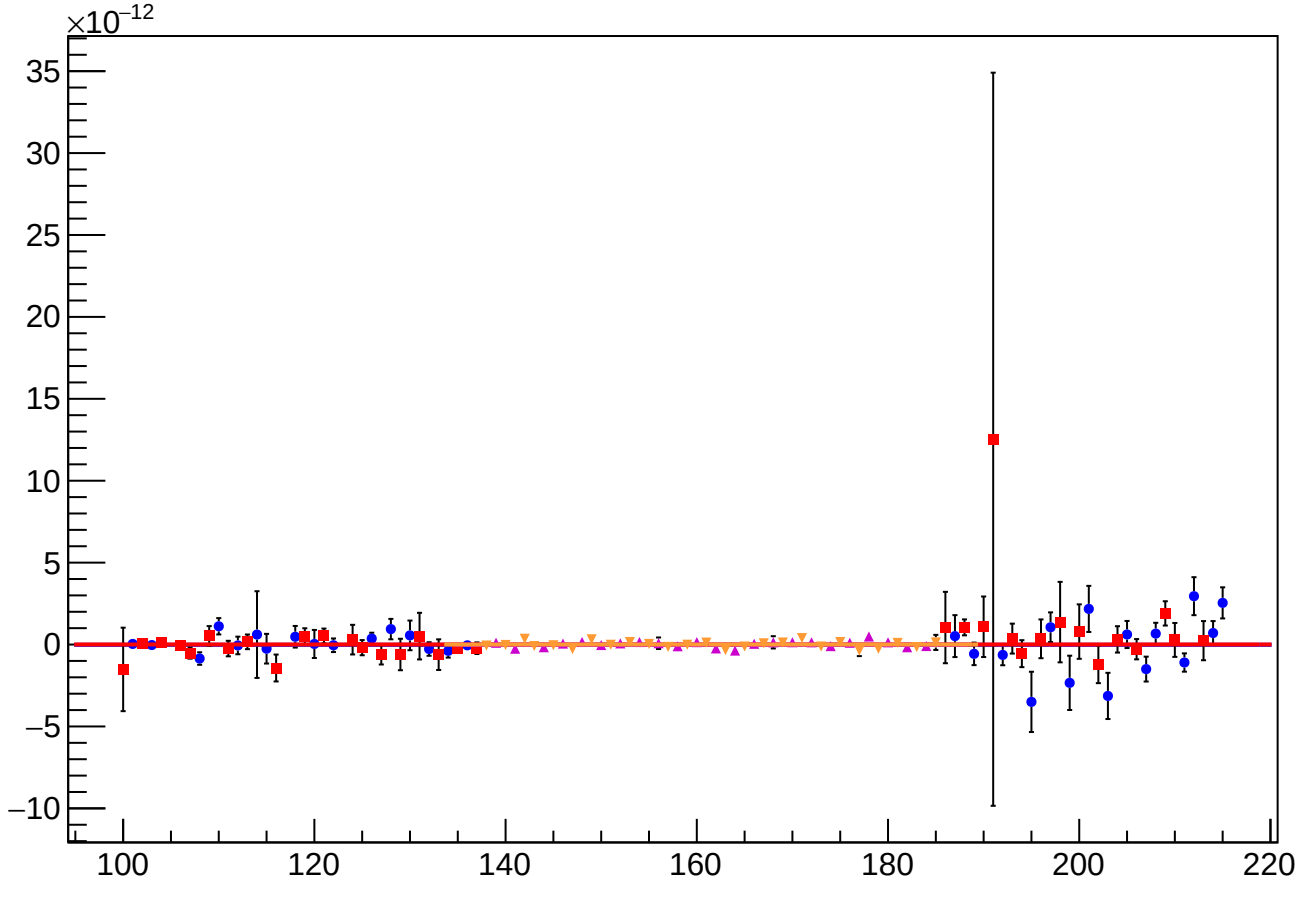
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5614.949+/-0.683 χ^2/NDF: 7669715.9/64

In: 5378.775+/-0.642 χ^2/NDF:4642138.4/53

Out: 5255.016+/-0.627 χ^2/NDF:5249454.1/58

All: 5315.462+/-0.449 χ^2/NDF: 9910592.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 56.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/33

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

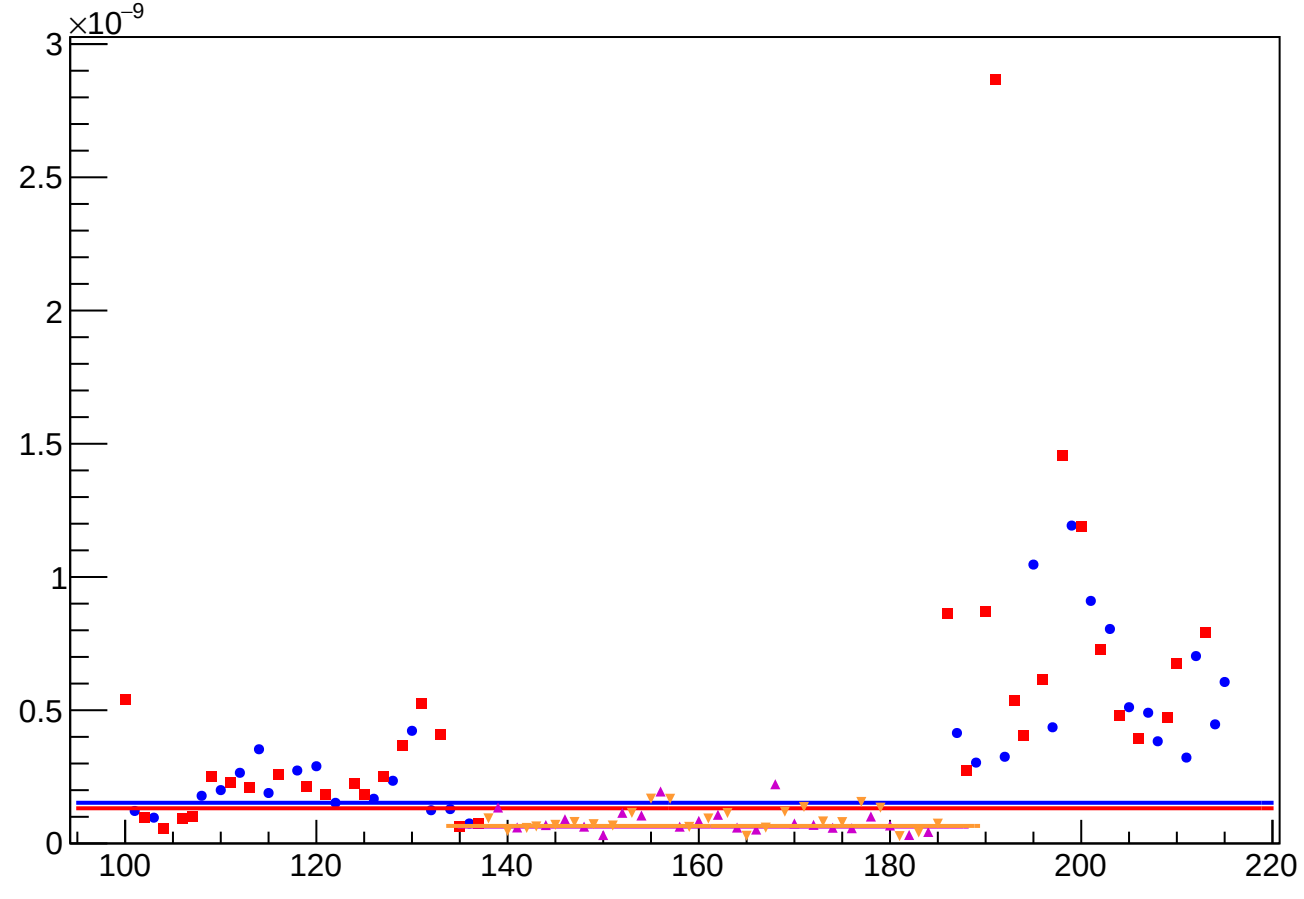
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 86.2/64

In: -0.000+/-0.000 χ^2/NDF:88.4/53

Out: 0.000+/-0.000 χ^2/NDF:63.4/58

All: -0.000+/-0.000 χ^2/NDF: 152.1/112



Right In: 0.000+/-0.000 χ^2/NDF: 6771531.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8162428.9/33

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

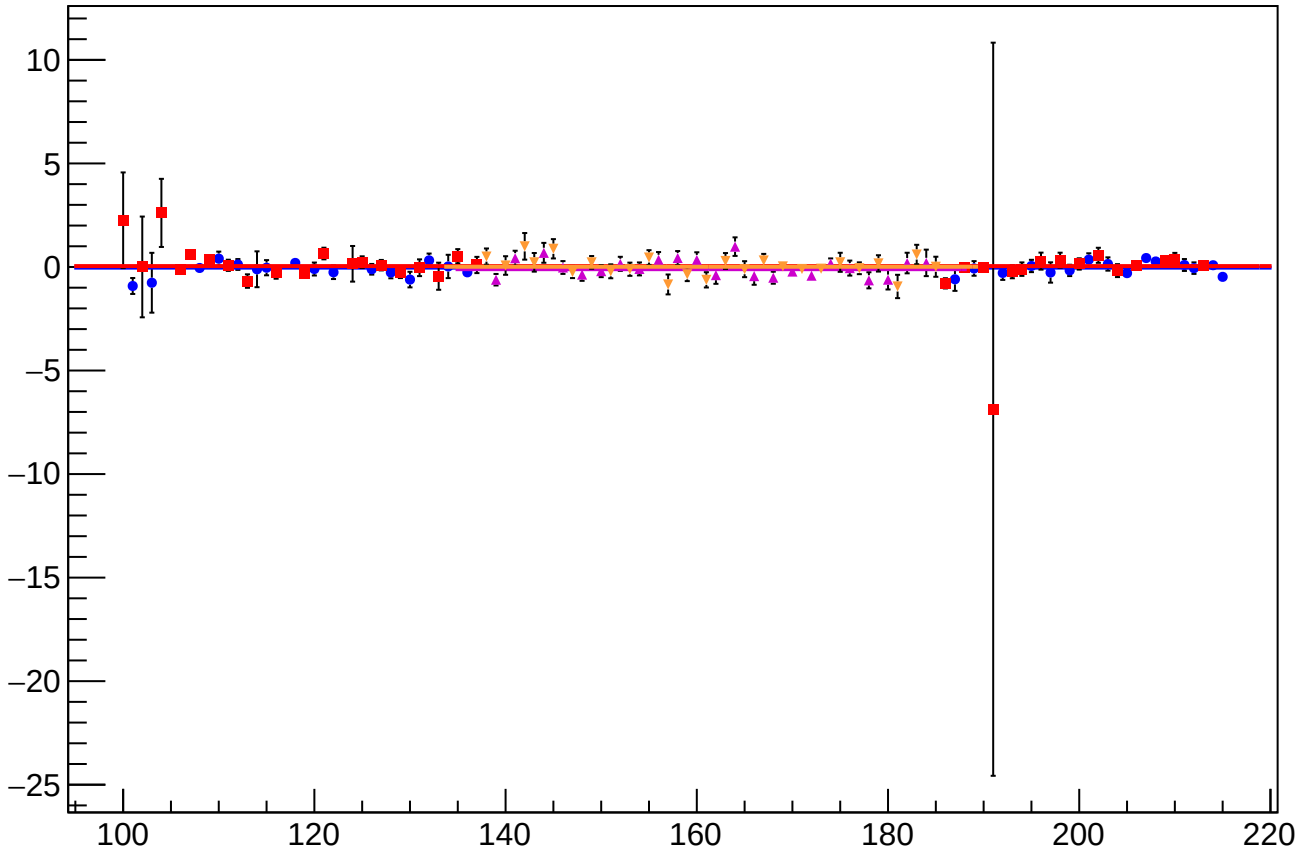
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15019981.0/64

In: 0.000+/-0.000 χ^2/NDF:11705485.2/53

Out: 0.000+/-0.000 χ^2/NDF:12201520.0/58

All: 0.000+/-0.000 χ^2/NDF: 23907008.0/112



Right In: -0.030+/-0.050 χ^2/NDF: 36.1/30

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.043+/-0.047 χ^2/NDF: 48.1/33

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

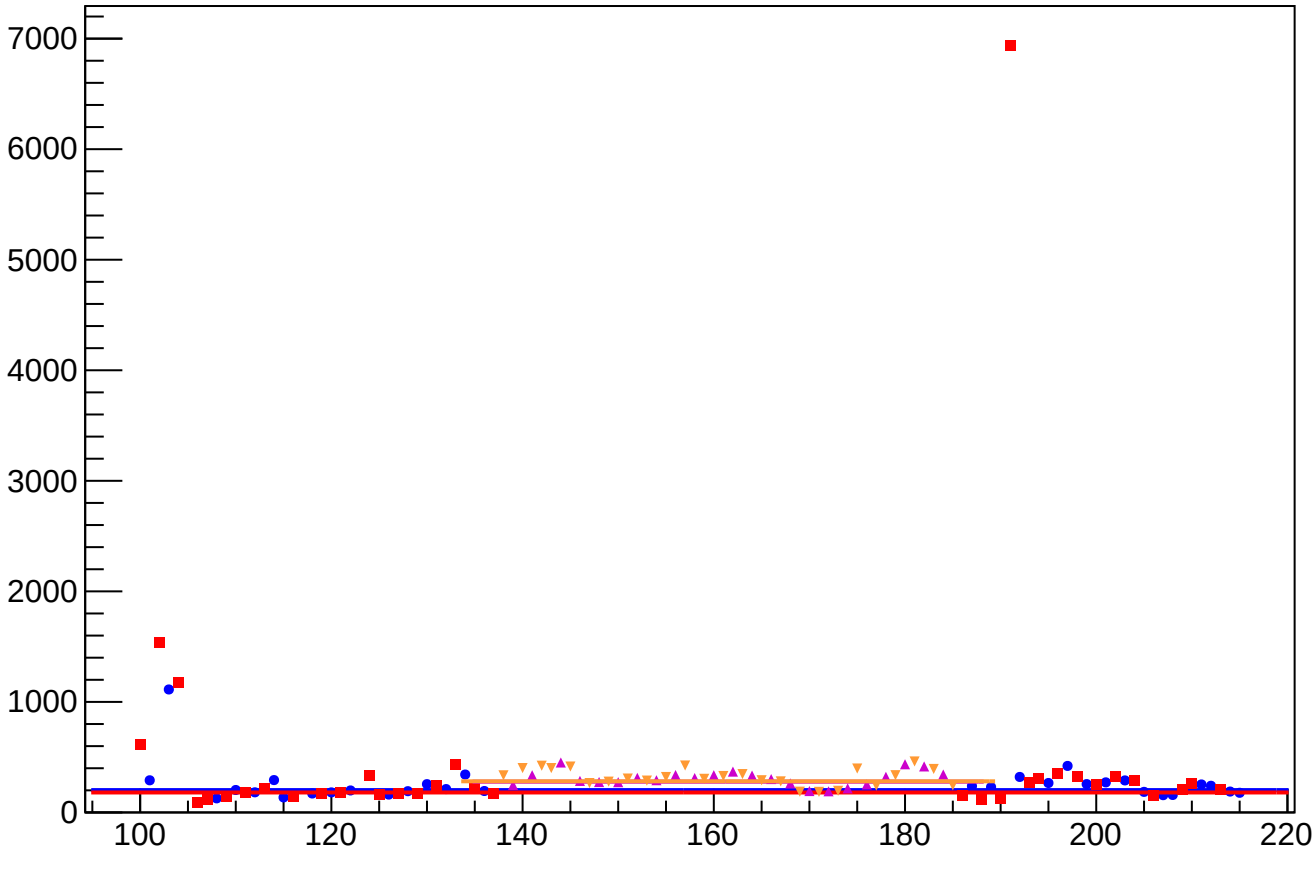
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.008+/-0.034 χ^2/NDF: 85.4/64

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: -0.010+/-0.028 χ^2/NDF: 144.3/112



Right In: 202.304+/-0.035 χ^2/NDF: 3033433.5/30

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 180.740+/-0.033 χ^2/NDF: 5684015.6/33

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

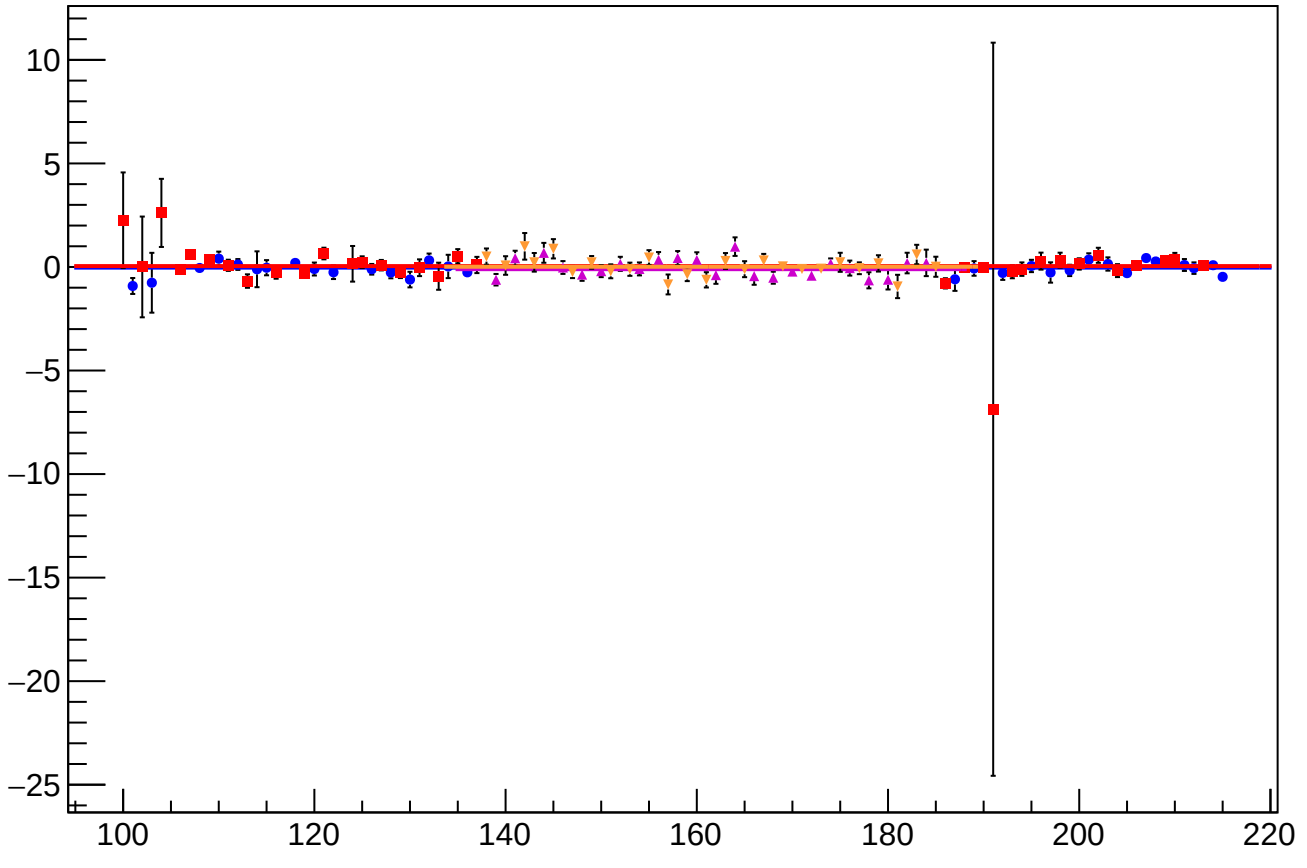
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.958+/-0.024 χ^2/NDF: 8914467.0/64

In: 228.596+/-0.029 χ^2/NDF:6444445.4/53

Out: 213.664+/-0.027 χ^2/NDF:11180392.7/58

All: 220.850+/-0.020 χ^2/NDF: 17767134.1/11



Right In: -0.030+/-0.050 χ^2/NDF: 36.1/30

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.043+/-0.047 χ^2/NDF: 48.1/33

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

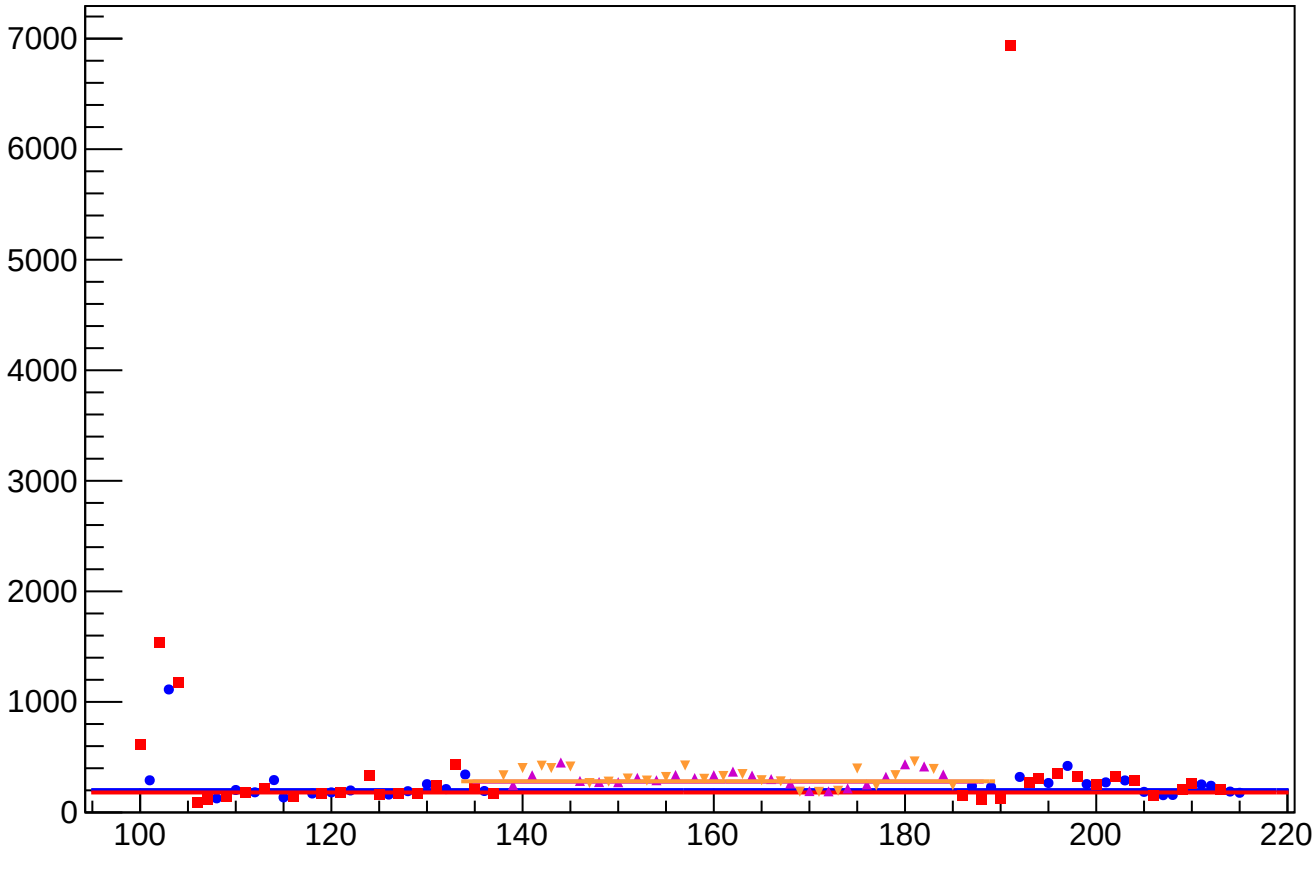
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.008+/-0.034 χ^2/NDF: 85.4/64

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: -0.010+/-0.028 χ^2/NDF: 144.3/112



Right In: 202.304+/-0.035 χ^2/NDF: 3033433.5/30

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 180.740+/-0.033 χ^2/NDF: 5684015.6/33

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

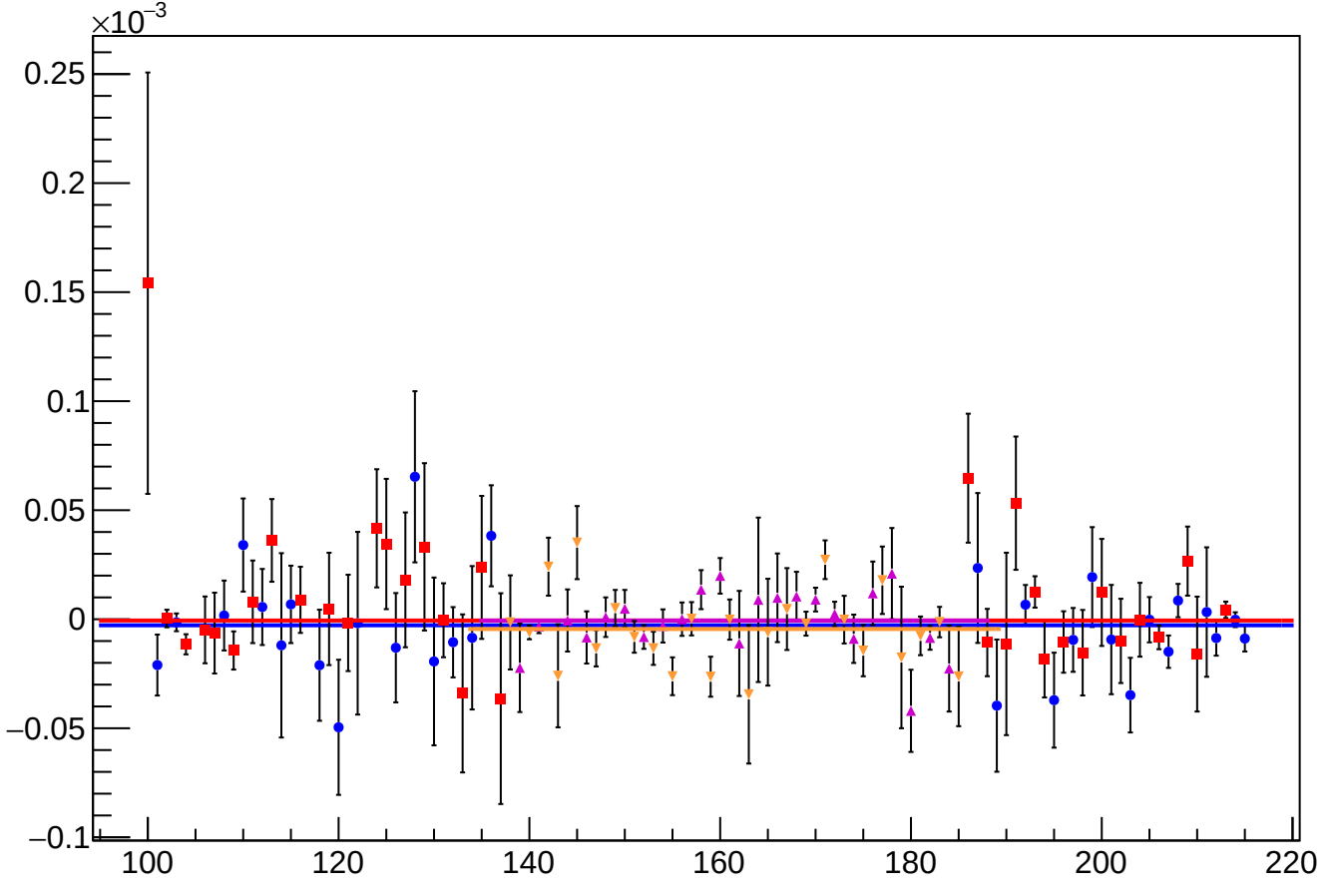
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.958+/-0.024 χ^2/NDF: 8914467.0/64

In: 228.596+/-0.029 χ^2/NDF:6444445.4/53

Out: 213.664+/-0.027 χ^2/NDF:11180392.7/58

All: 220.850+/-0.020 χ^2/NDF: 17767134.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.5/33

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

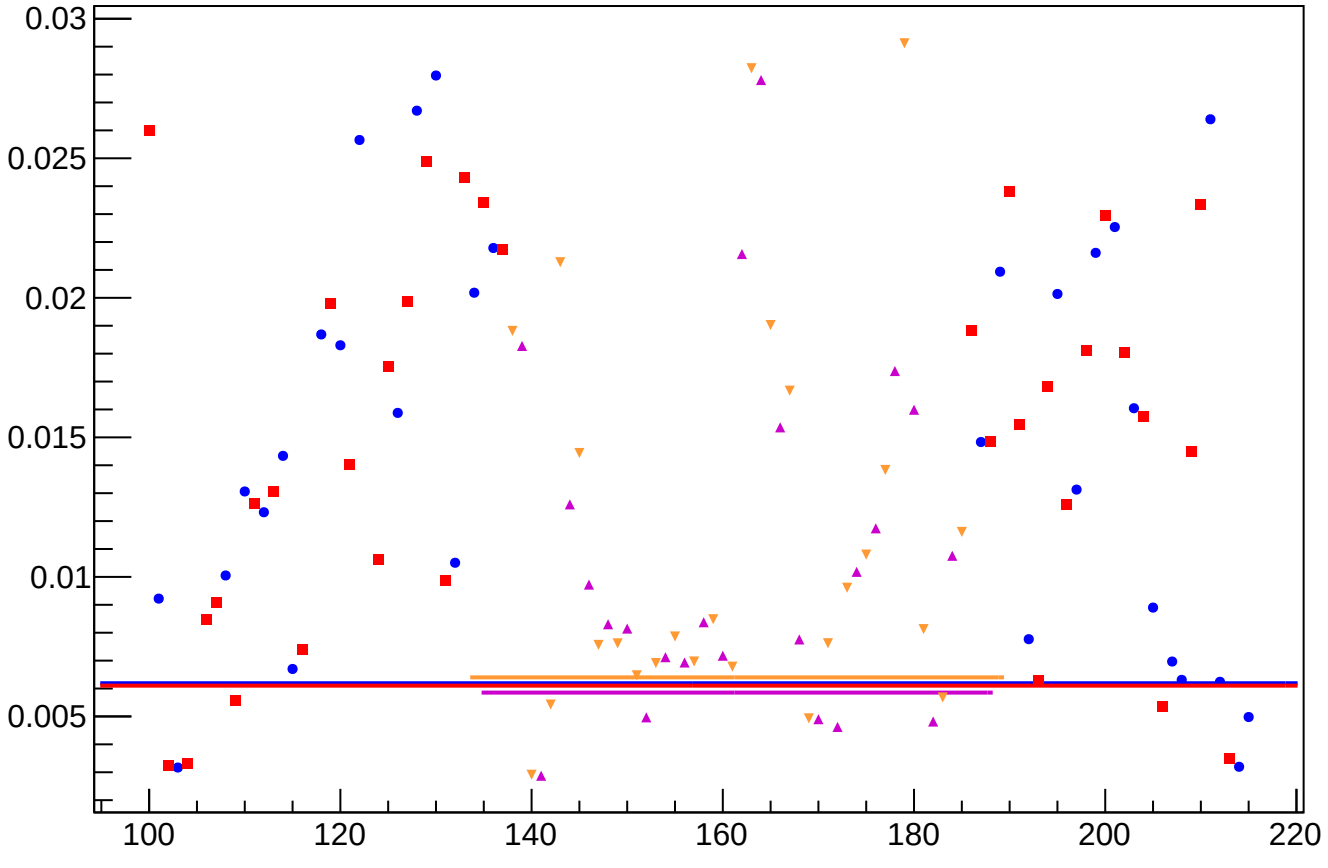
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

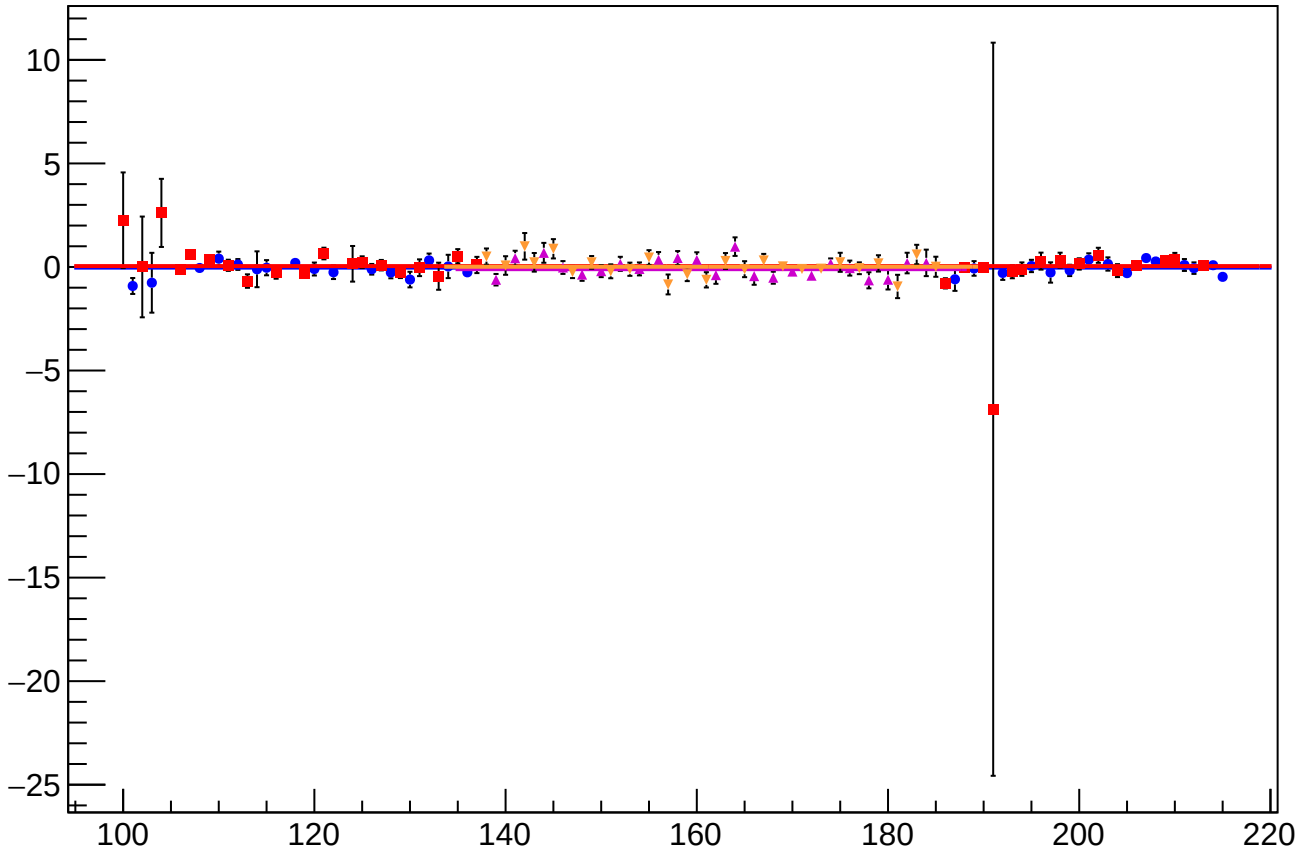
Right: -0.000+/-0.000 χ^2/NDF: 76.7/64

In: -0.000+/-0.000 χ^2/NDF:62.3/53

Out: -0.000+/-0.000 χ^2/NDF:92.3/58

All: -0.000+/-0.000 χ^2/NDF: 155.0/112


asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.006+/-0.000 χ²/NDF: 13028633.2/30
Left Out: 0.006+/-0.000 χ²/NDF:8964265.3/24
Right Out: 0.006+/-0.000 χ²/NDF: 14122671.8/33
Left In: 0.006+/-0.000 χ²/NDF:8144305.6/22
Left: 0.006+/-0.000 χ²/NDF: 17214563.0/47
Right: 0.006+/-0.000 χ²/NDF: 27153542.1/64
In: 0.006+/-0.000 χ²/NDF:21210058.1/53
Out: 0.006+/-0.000 χ²/NDF:23115274.7/58
All: 0.006+/-0.000 χ²/NDF: 44368776.2/112



Right In: -0.030+/-0.050 χ^2/NDF: 36.1/30

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.043+/-0.047 χ^2/NDF: 48.1/33

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

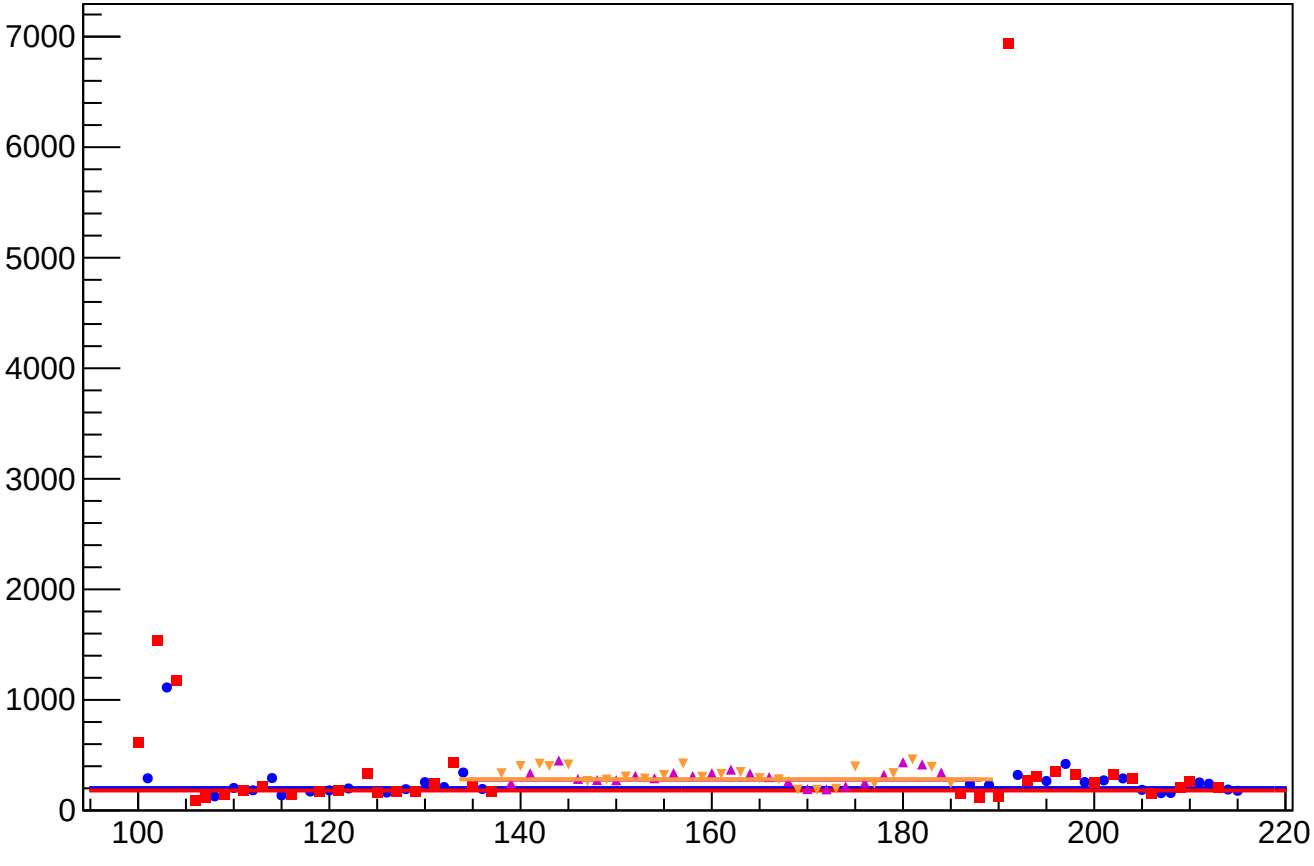
Right: 0.008+/-0.034 χ^2/NDF: 85.4/64

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: -0.010+/-0.028 χ^2/NDF: 144.3/112

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 202.303+/-0.035 χ^2/NDF: 3033458.3/30

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 180.737+/-0.033 χ^2/NDF: 5684166.8/33

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

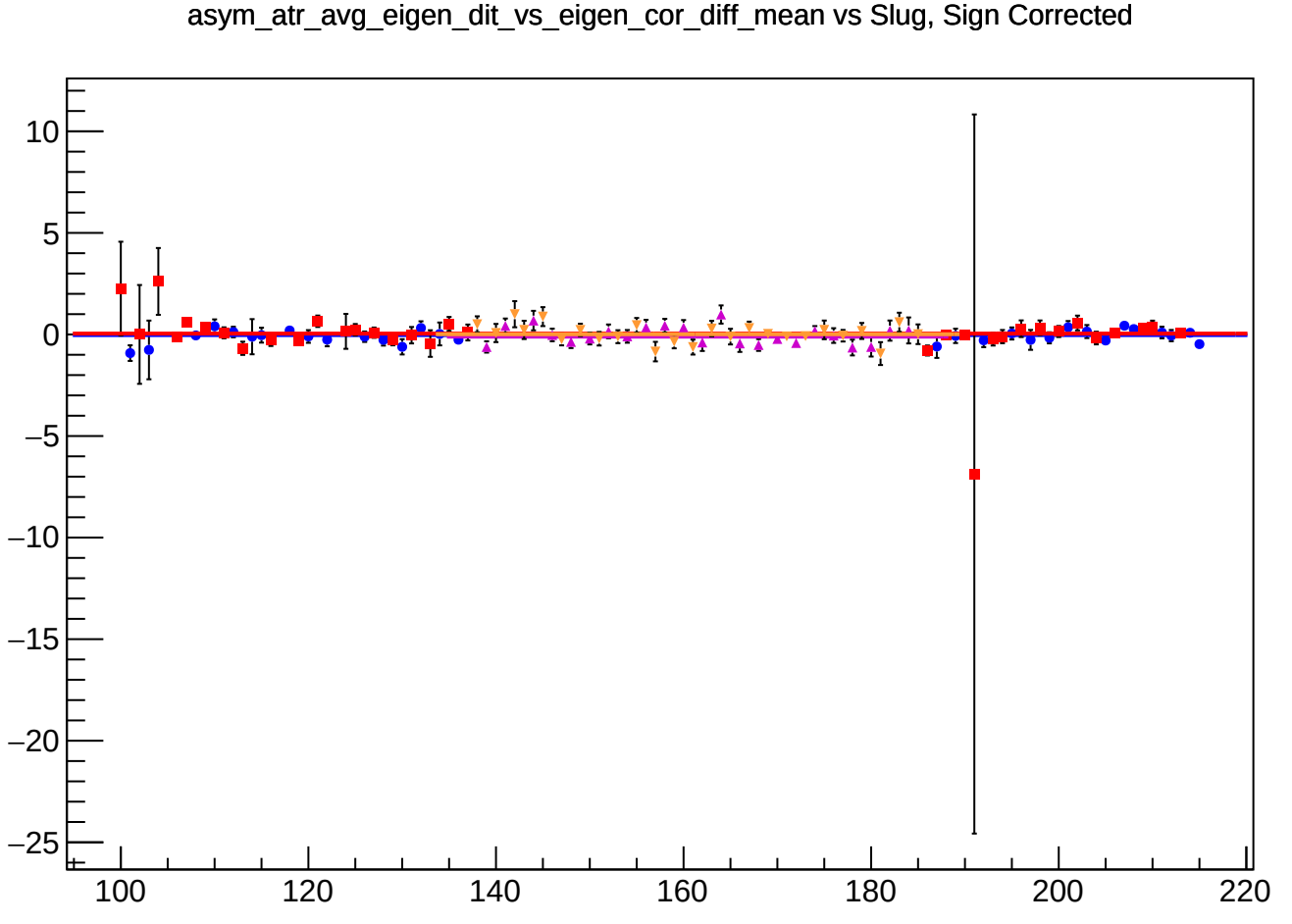
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 190.956+/-0.024 χ^2/NDF: 8914690.7/64

In: 228.596+/-0.029 χ^2/NDF:6444613.5/53

Out: 213.662+/-0.027 χ^2/NDF:11180912.0/58

All: 220.849+/-0.020 χ^2/NDF: 17767865.2/1



Right In: -0.030+/-0.050 χ^2/NDF: 36.1/30

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.043+/-0.047 χ^2/NDF: 48.1/33

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

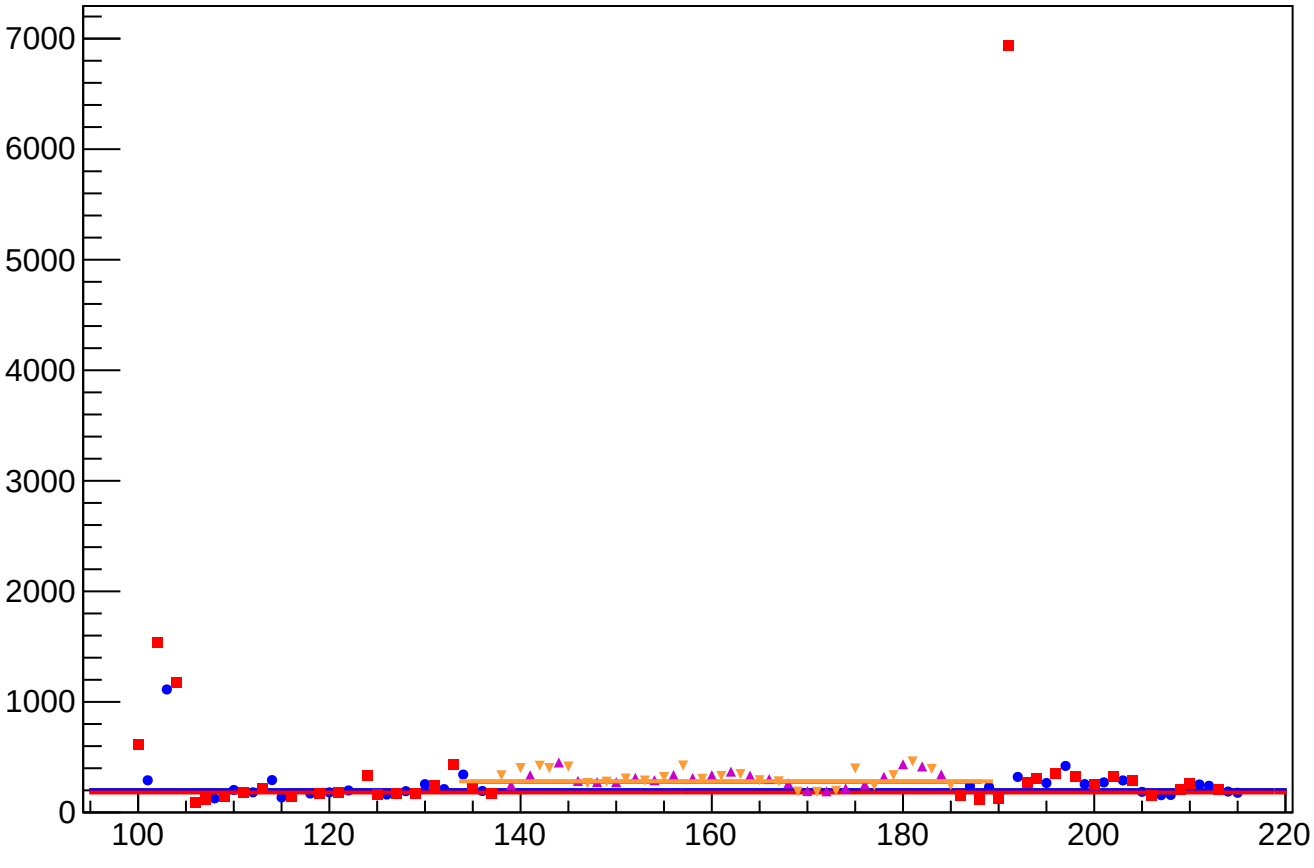
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.008+/-0.034 χ^2/NDF: 85.4/64

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.033+/-0.039 χ^2/NDF:73.5/58

All: -0.010+/-0.028 χ^2/NDF: 144.3/112



Right In: 202.303+/-0.035 χ^2/NDF: 3033458.3/30

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 180.737+/-0.033 χ^2/NDF: 5684166.8/33

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

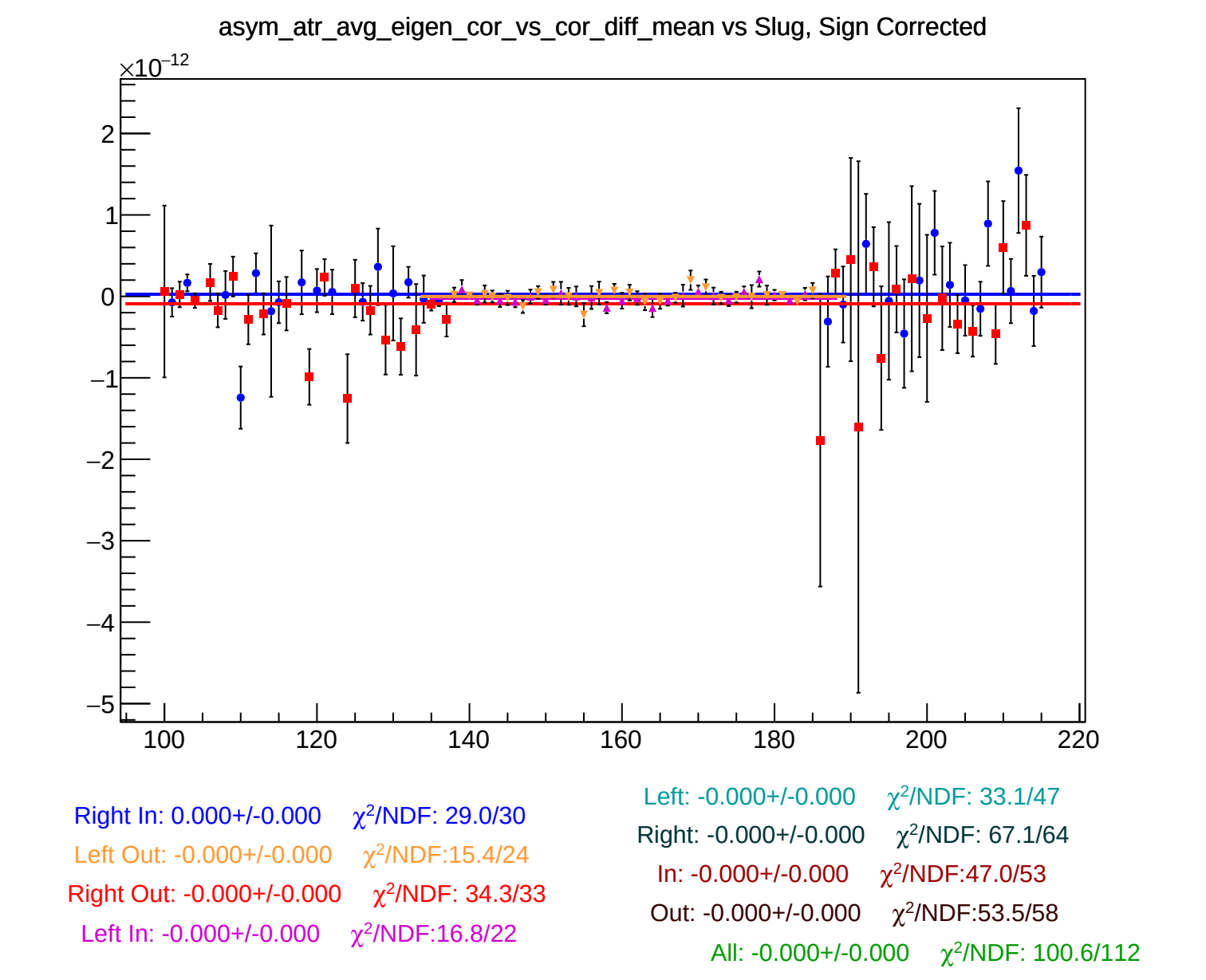
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

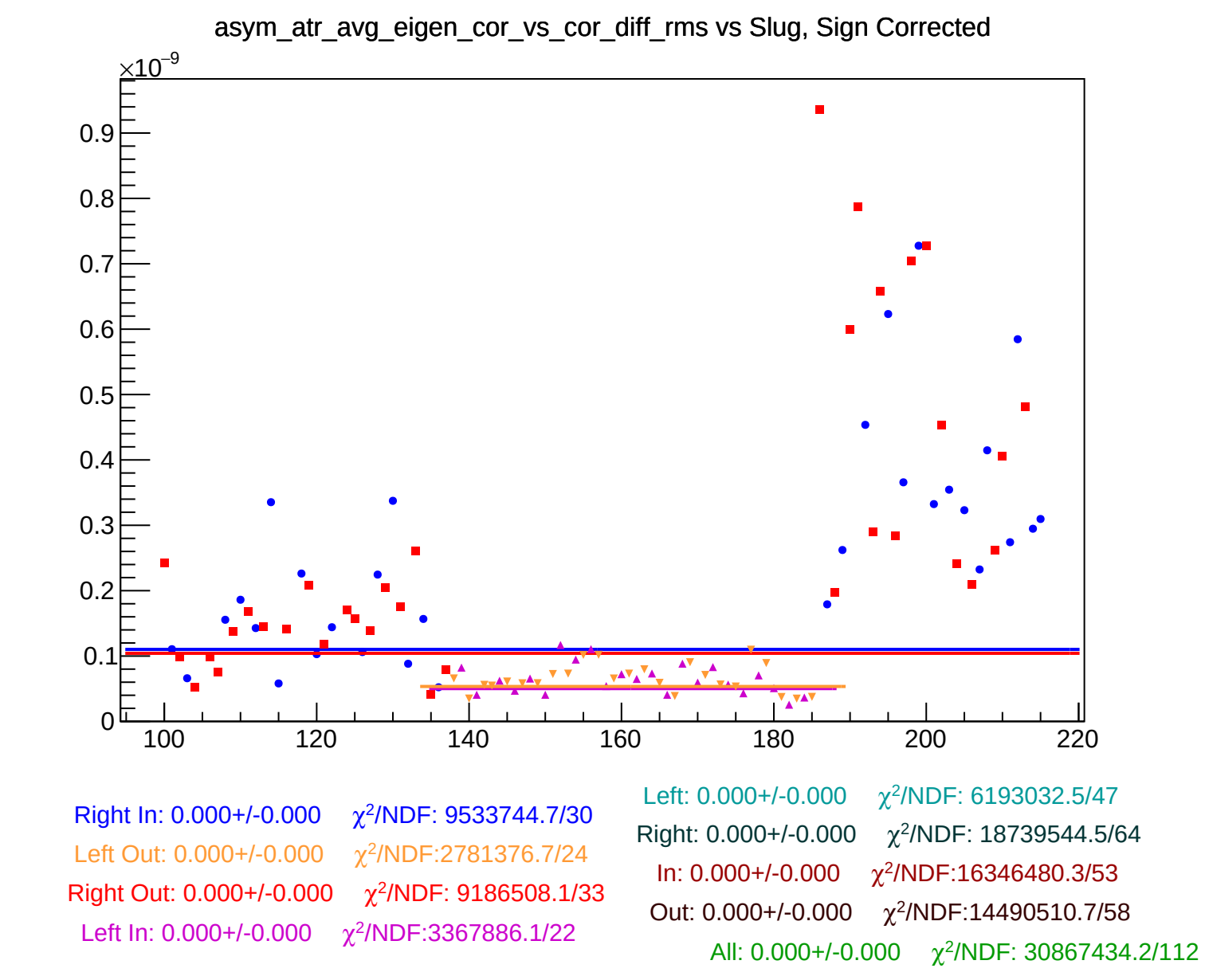
Right: 190.956+/-0.024 χ^2/NDF: 8914690.7/64

In: 228.596+/-0.029 χ^2/NDF:6444613.5/53

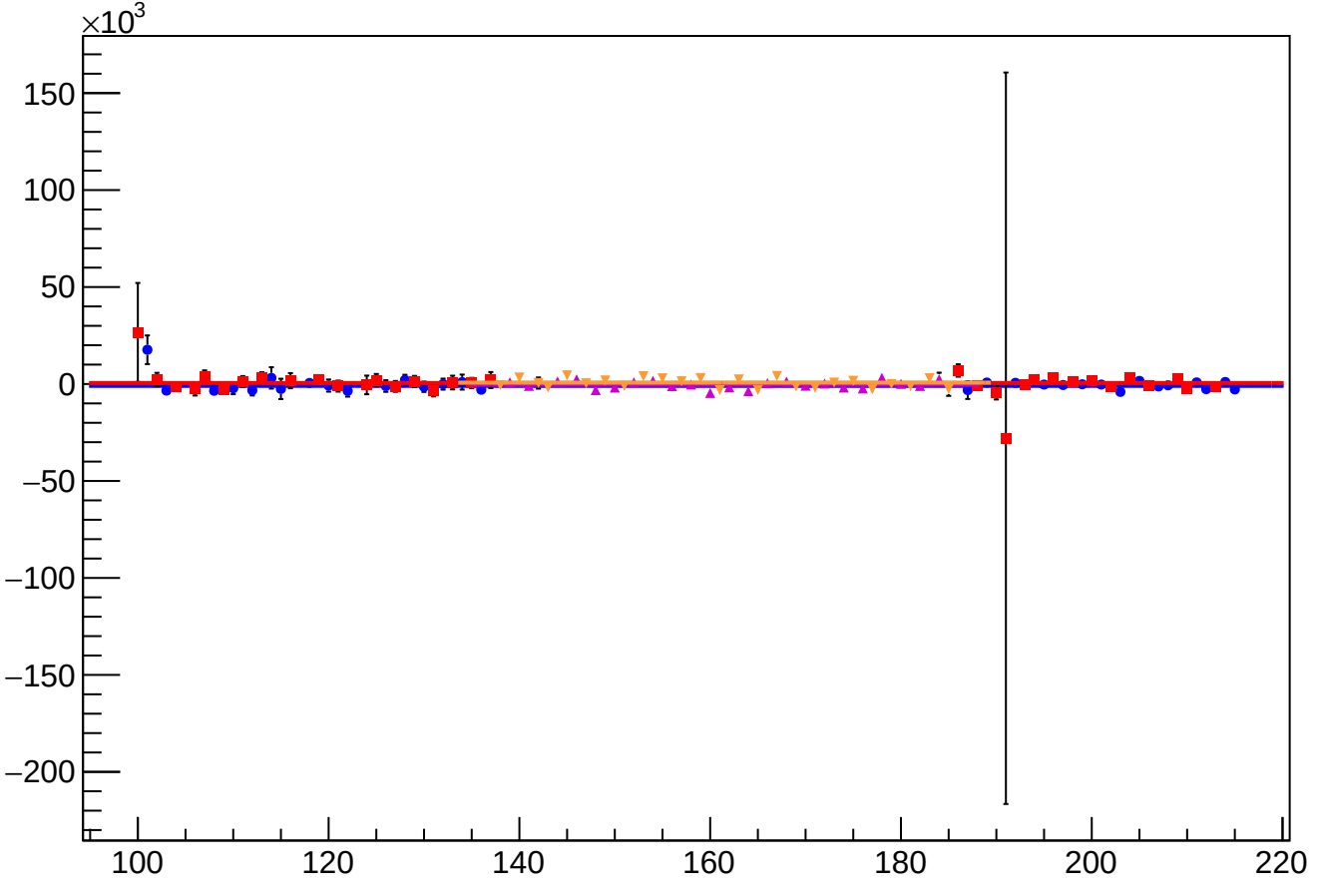
Out: 213.662+/-0.027 χ^2/NDF:11180912.0/58

All: 220.849+/-0.020 χ^2/NDF: 17767865.2/1


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 29.0/30
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.3/33
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 67.1/64
In: -0.000+/-0.000 χ²/NDF:47.0/53
Out: -0.000+/-0.000 χ²/NDF:53.5/58
All: -0.000+/-0.000 χ²/NDF: 100.6/112


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: 9533744.7/30
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 9186508.1/33
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
Left: 0.000+/-0.000 χ²/NDF: 6193032.5/47
Right: 0.000+/-0.000 χ²/NDF: 18739544.5/64
In: 0.000+/-0.000 χ²/NDF:16346480.3/53
Out: 0.000+/-0.000 χ²/NDF:14490510.7/58
All: 0.000+/-0.000 χ²/NDF: 30867434.2/112

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -951.993+/-442.705 χ^2/NDF: 22.5/30

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 530.889+/-448.748 χ^2/NDF: 26.6/33

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

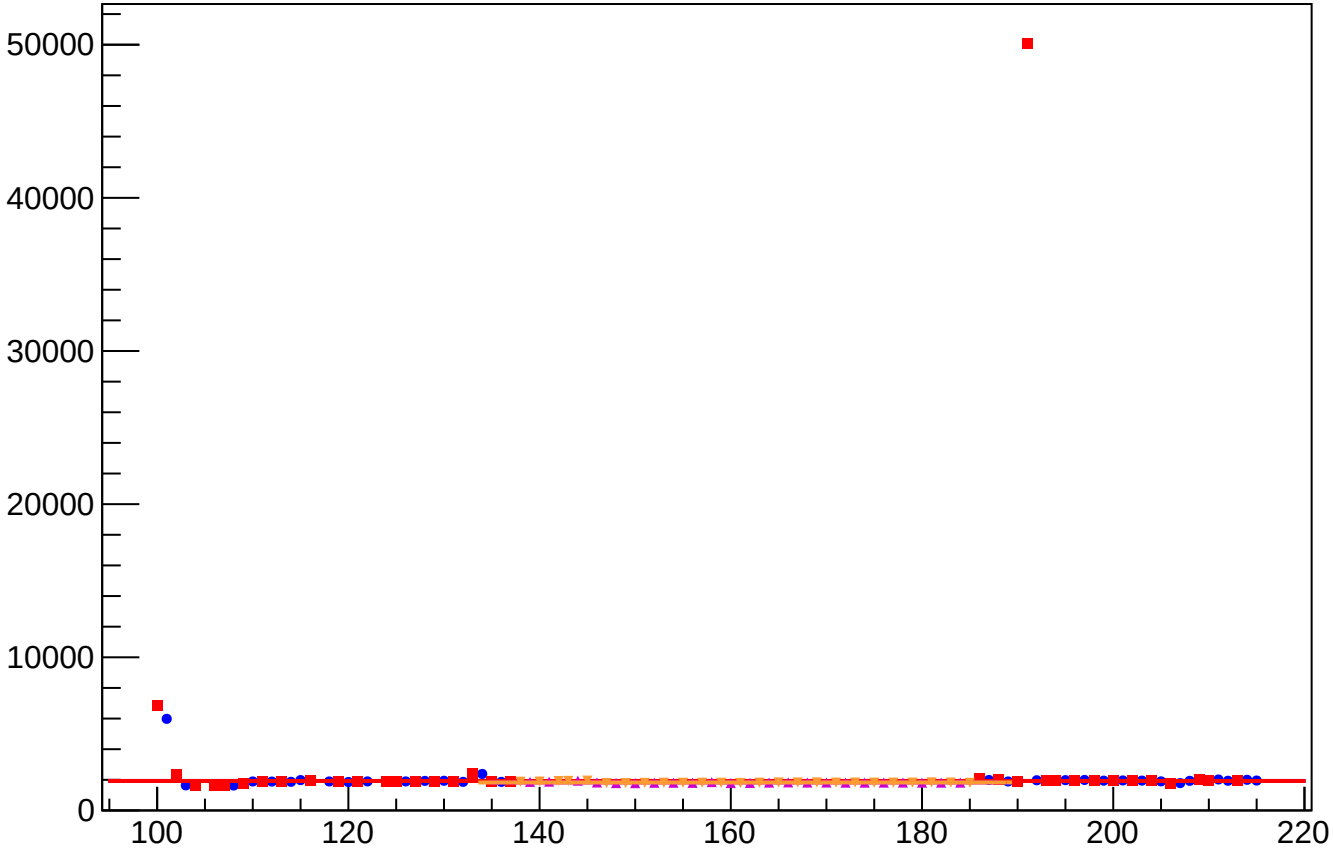
Right: -220.604+/-315.155 χ^2/NDF: 54.6/64

In: -667.156+/-307.044 χ^2/NDF:44.0/53

Out: 625.057+/-304.834 χ^2/NDF:58.6/58

All: -16.383+/-216.327 χ^2/NDF: 111.6/112

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.585+/-0.313 χ^2/NDF: 723981.0/30

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1924.336+/-0.317 χ^2/NDF: 392943.9/33

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

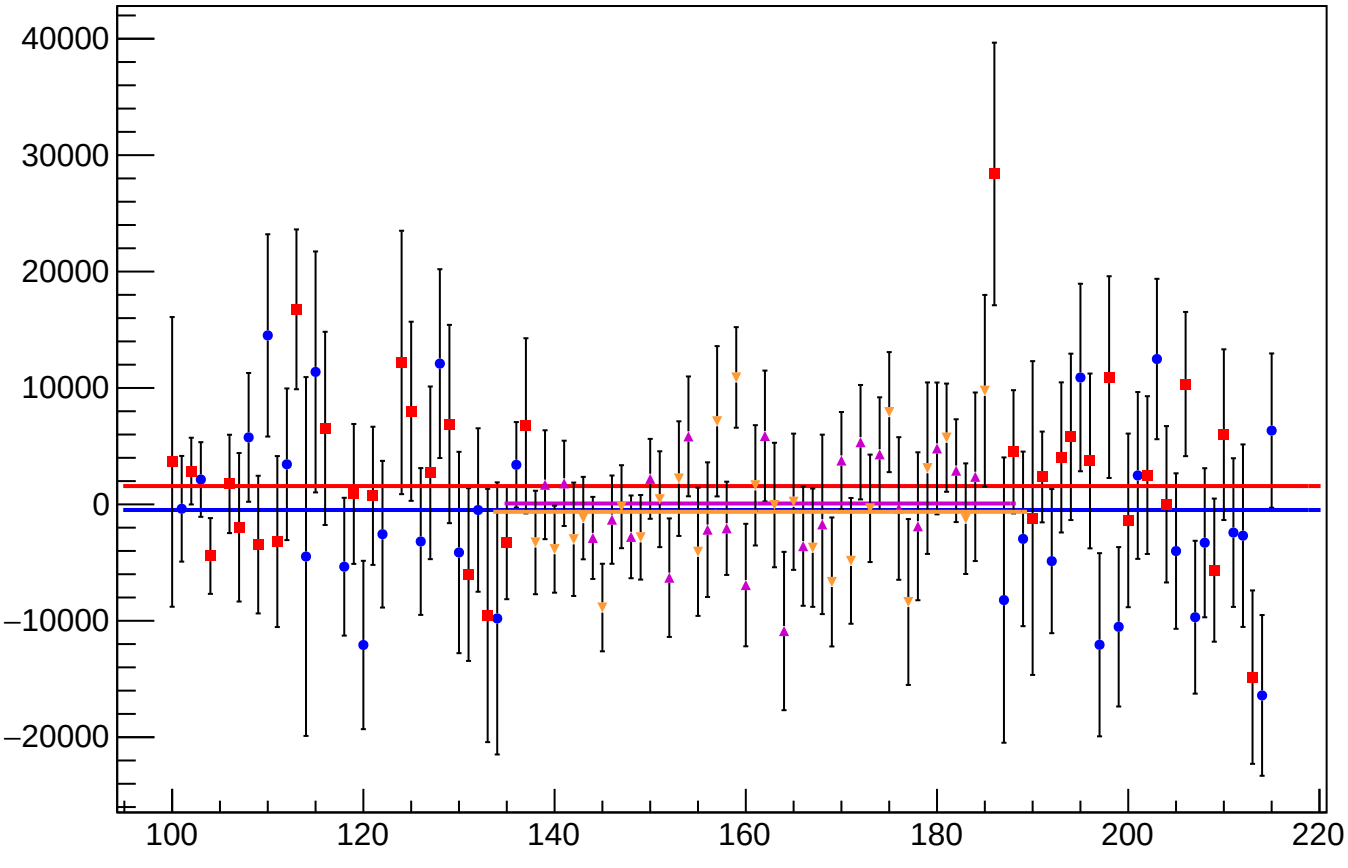
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1925.474+/-0.223 χ^2/NDF: 1116950.4/64

In: 1873.950+/-0.217 χ^2/NDF:791815.4/53

Out: 1872.651+/-0.215 χ^2/NDF:461736.4/58

All: 1873.295+/-0.153 χ^2/NDF: 1253569.9/11



Right In: -481.637+/-1150.487 χ^2/NDF: 34.6/30

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1573.249+/-1039.312 χ^2/NDF: 32.5/33

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

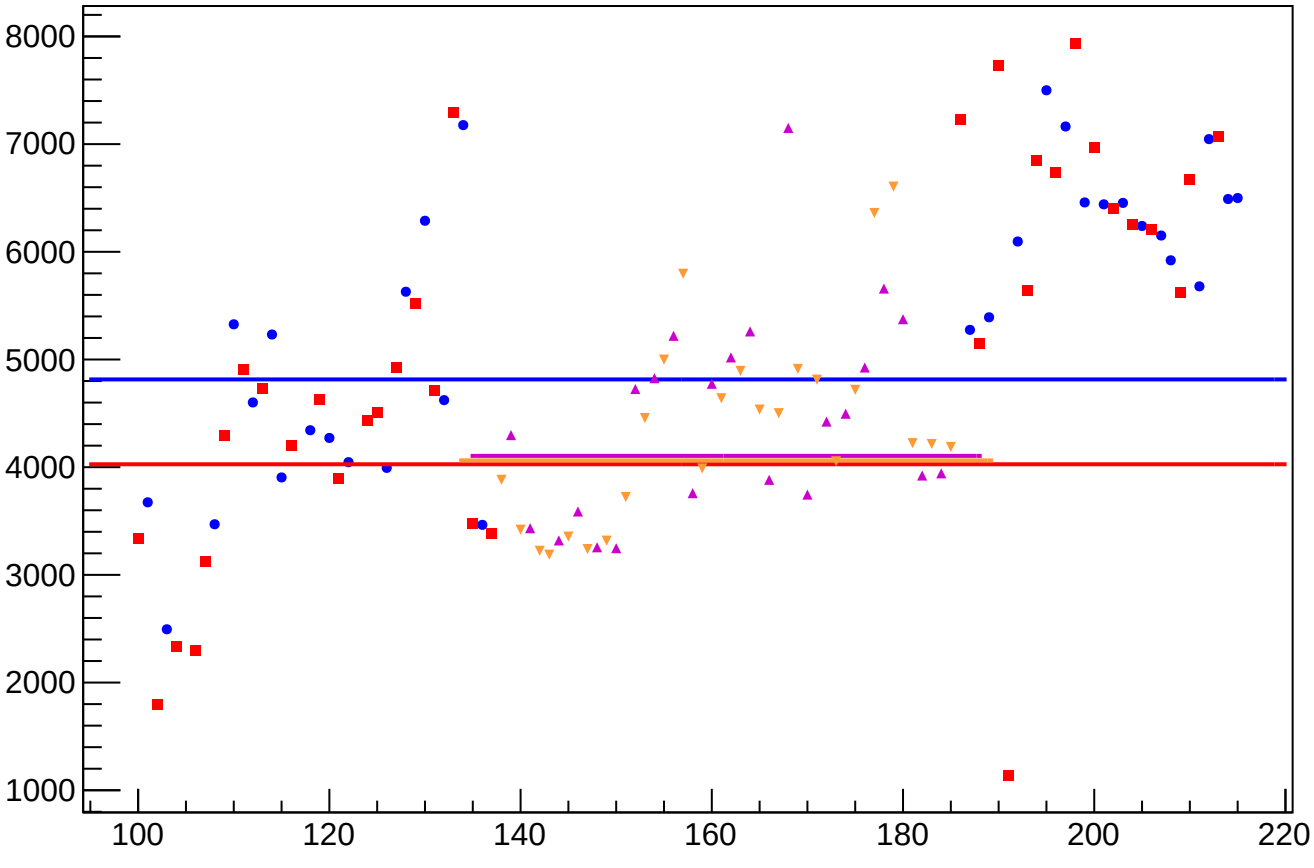
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 649.863+/-771.222 χ^2/NDF: 68.9/64

In: -158.683+/-746.140 χ^2/NDF:50.1/53

Out: 365.087+/-699.941 χ^2/NDF:61.0/58

All: 119.918+/-510.484 χ^2/NDF: 111.4/112



Right In: 4814.993+/-0.814 χ^2/NDF: 3347377.1/30

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 4027.129+/-0.735 χ^2/NDF: 6902819.5/33

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

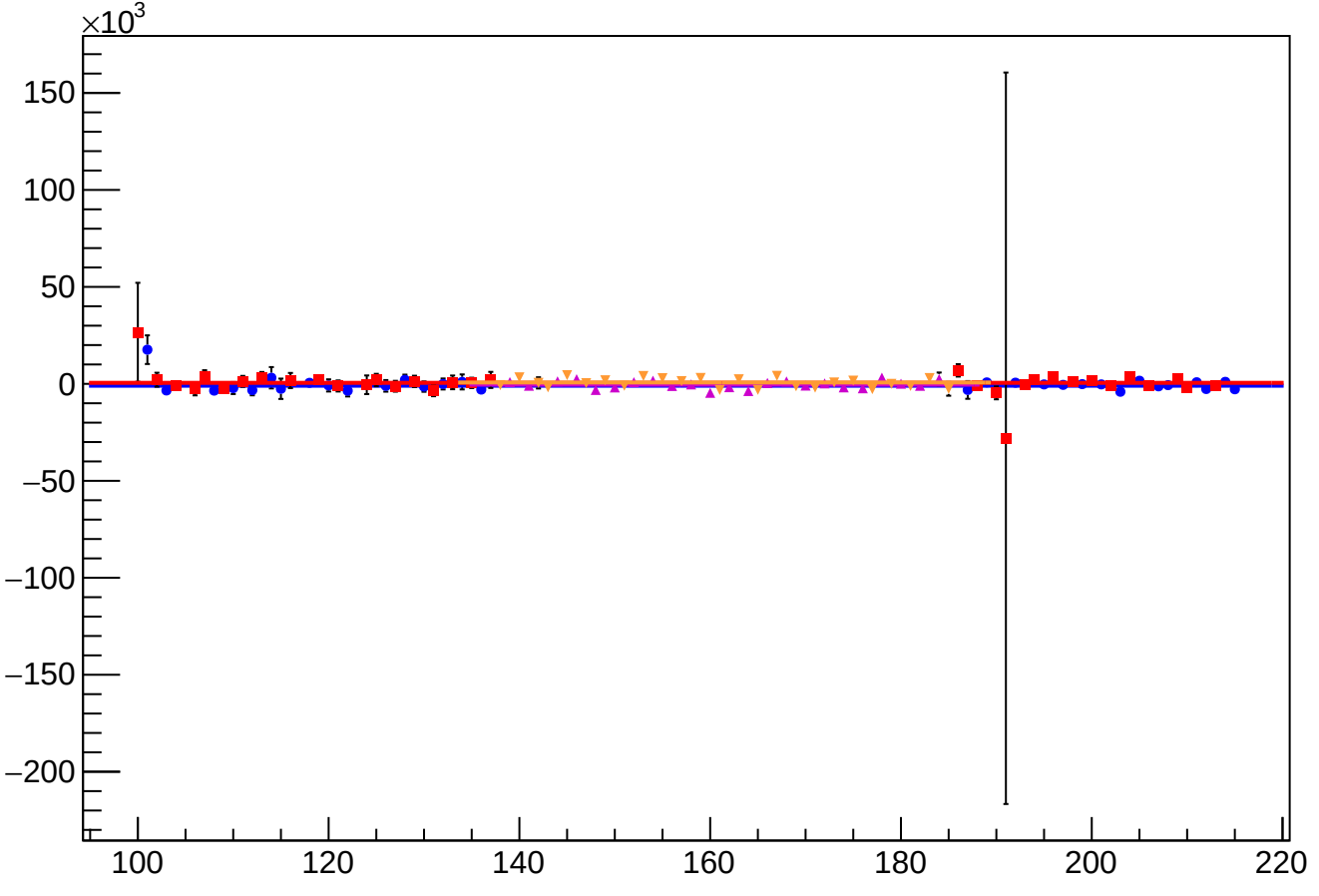
Right: 4381.165+/-0.545 χ^2/NDF: 10766656.0/64

In: 4403.662+/-0.528 χ^2/NDF:5148113.2/53

Out: 4046.790+/-0.495 χ^2/NDF:8309165.4/58

All: 4213.836+/-0.361 χ^2/NDF: 13700643.0/1

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -952.182+/-442.705 χ^2/NDF: 22.5/30

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 526.793+/-448.995 χ^2/NDF: 26.6/33

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

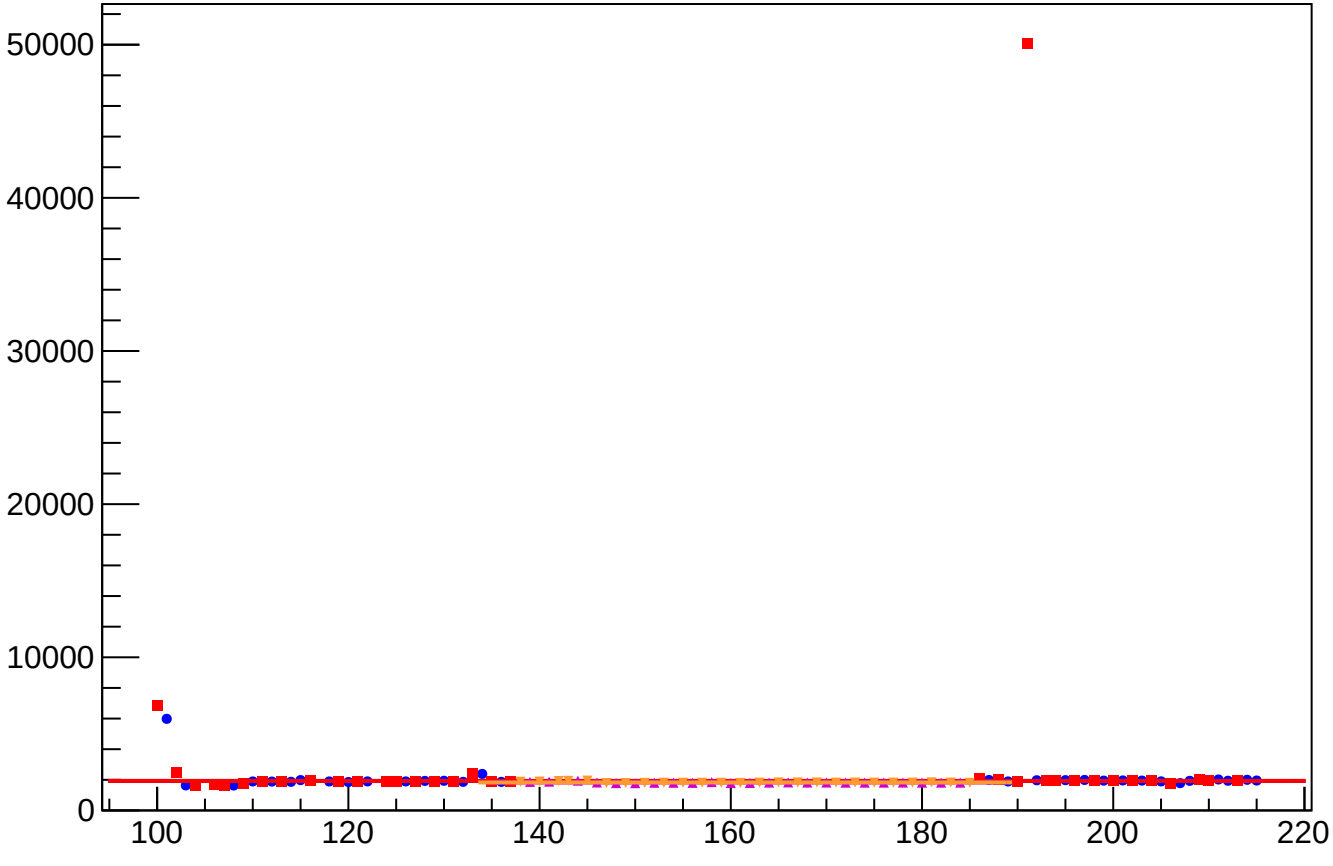
Right: -223.126+/-315.240 χ^2/NDF: 54.5/64

In: -667.162+/-307.044 χ^2/NDF:44.0/53

Out: 623.247+/-304.911 χ^2/NDF:58.6/58

All: -17.461+/-216.355 χ^2/NDF: 111.5/112

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.585+/-0.313 χ^2/NDF: 723981.2/30

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1927.223+/-0.317 χ^2/NDF: 399145.3/33

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

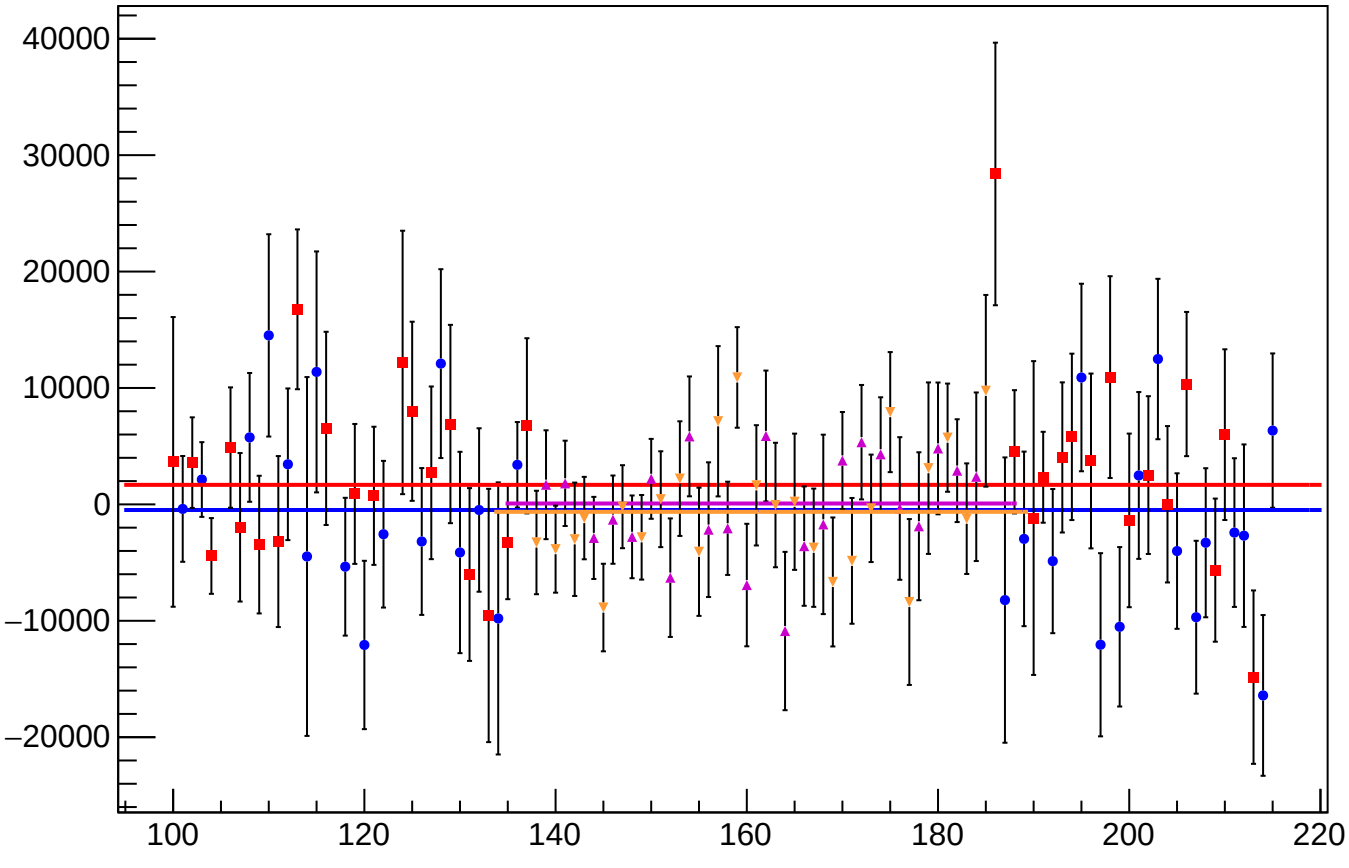
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1926.899+/-0.223 χ^2/NDF: 1123128.6/64

In: 1873.950+/-0.217 χ^2/NDF:791815.5/53

Out: 1873.921+/-0.216 χ^2/NDF:470880.8/58

All: 1873.935+/-0.153 χ^2/NDF: 1262696.4/11



Right In: -482.634+/-1150.568 χ^2/NDF: 34.6/30

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1677.030+/-1083.814 χ^2/NDF: 33.0/33

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

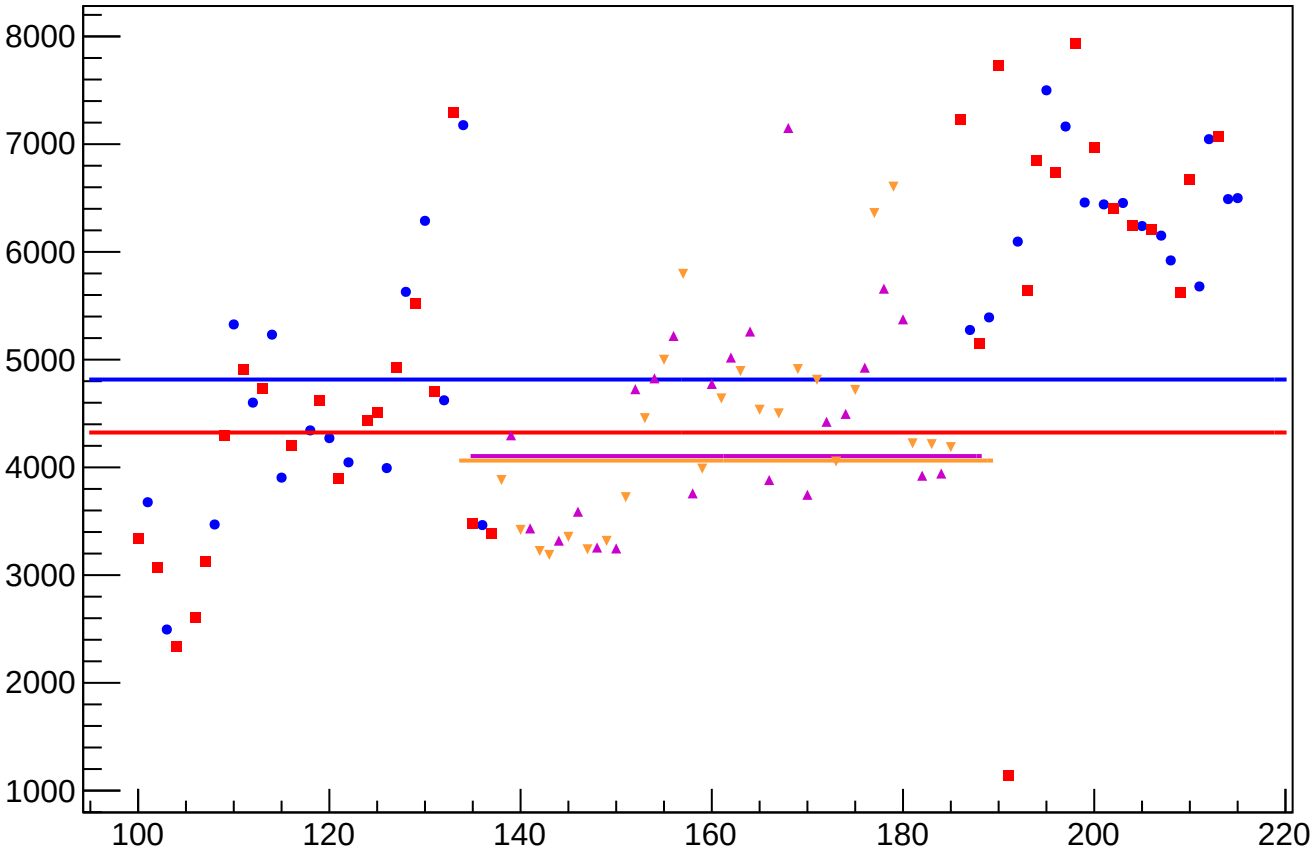
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 661.661+/-788.916 χ^2/NDF: 69.4/64

In: -159.068+/-746.161 χ^2/NDF:50.1/53

Out: 364.256+/-713.069 χ^2/NDF:61.6/58

All: 114.455+/-515.518 χ^2/NDF: 112.0/112



Right In: 4815.449+/-0.814 χ^2/NDF: 3345756.8/30

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4323.649+/-0.766 χ^2/NDF: 5475294.1/33

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

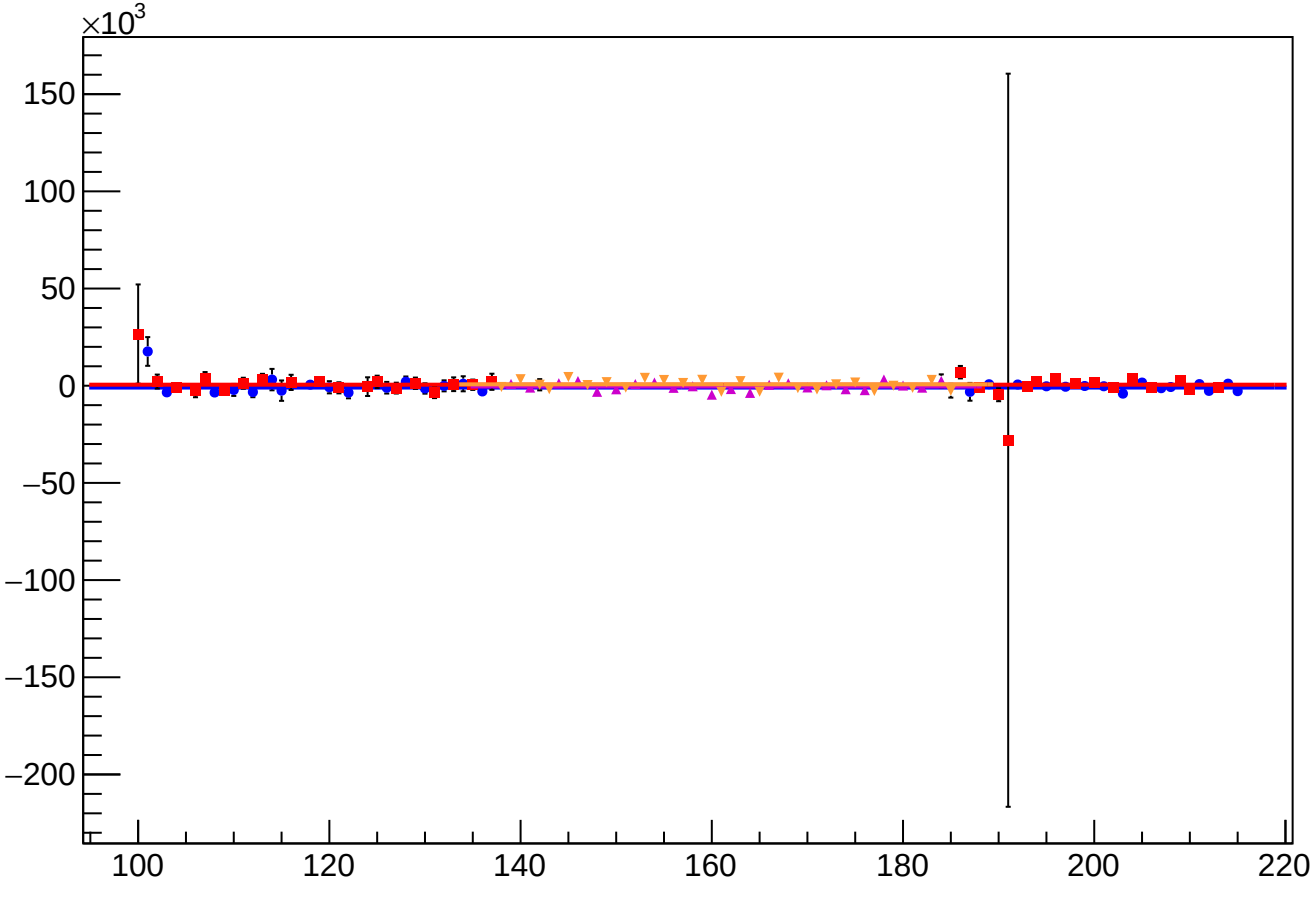
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4554.869+/-0.558 χ^2/NDF: 9014664.8/64

In: 4403.824+/-0.528 χ^2/NDF:5147043.0/53

Out: 4175.886+/-0.504 χ^2/NDF:6945873.5/58

All: 4284.688+/-0.365 χ^2/NDF: 12190465.8/1



Right In: -952.182+/-442.705 χ^2/NDF: 22.5/30

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 526.793+/-448.995 χ^2/NDF: 26.6/33

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

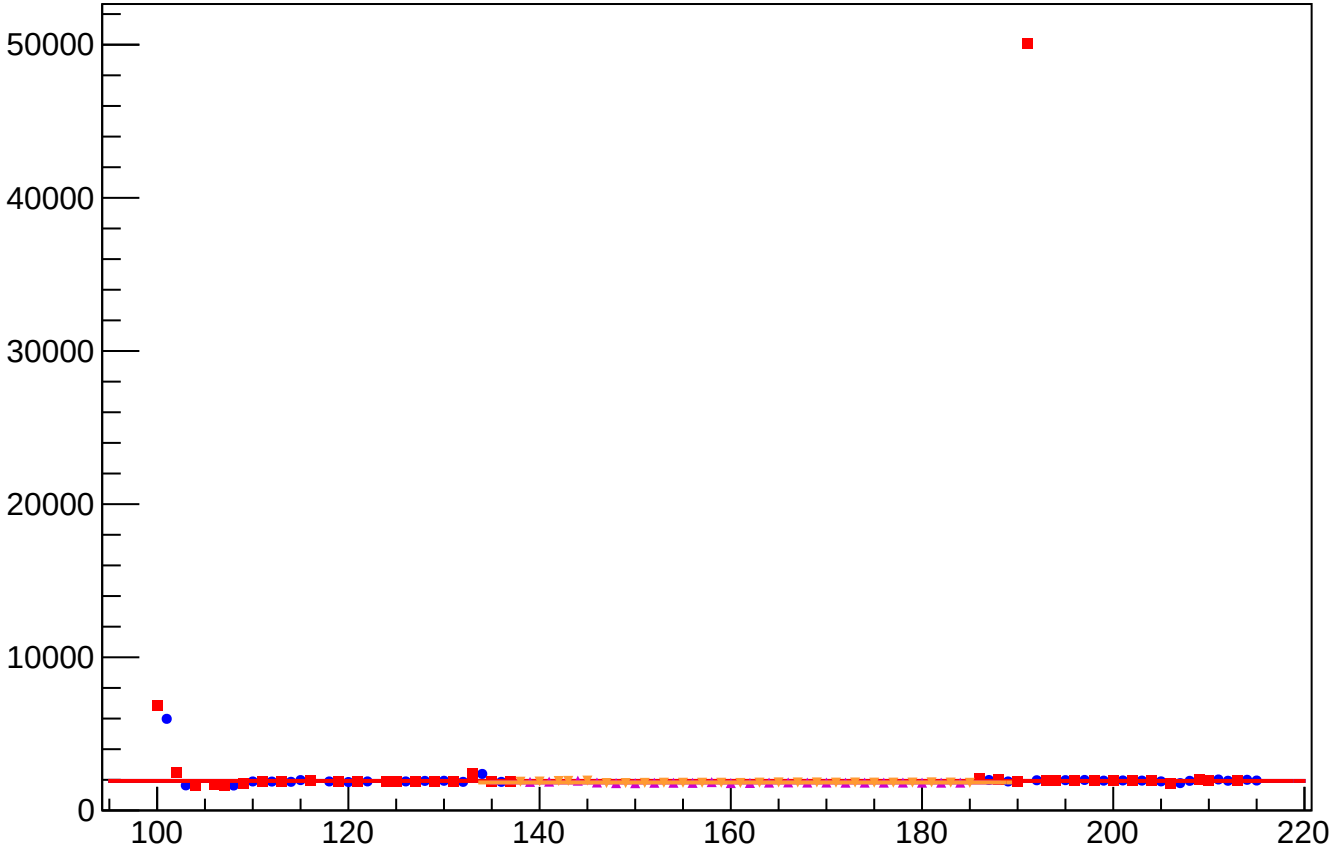
Right: -223.126+/-315.240 χ^2/NDF: 54.5/64

In: -667.162+/-307.044 χ^2/NDF:44.0/53

Out: 623.247+/-304.911 χ^2/NDF:58.6/58

All: -17.461+/-216.355 χ^2/NDF: 111.5/112

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.585+/-0.313 χ^2/NDF: 723981.2/30

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1927.223+/-0.317 χ^2/NDF: 399145.3/33

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

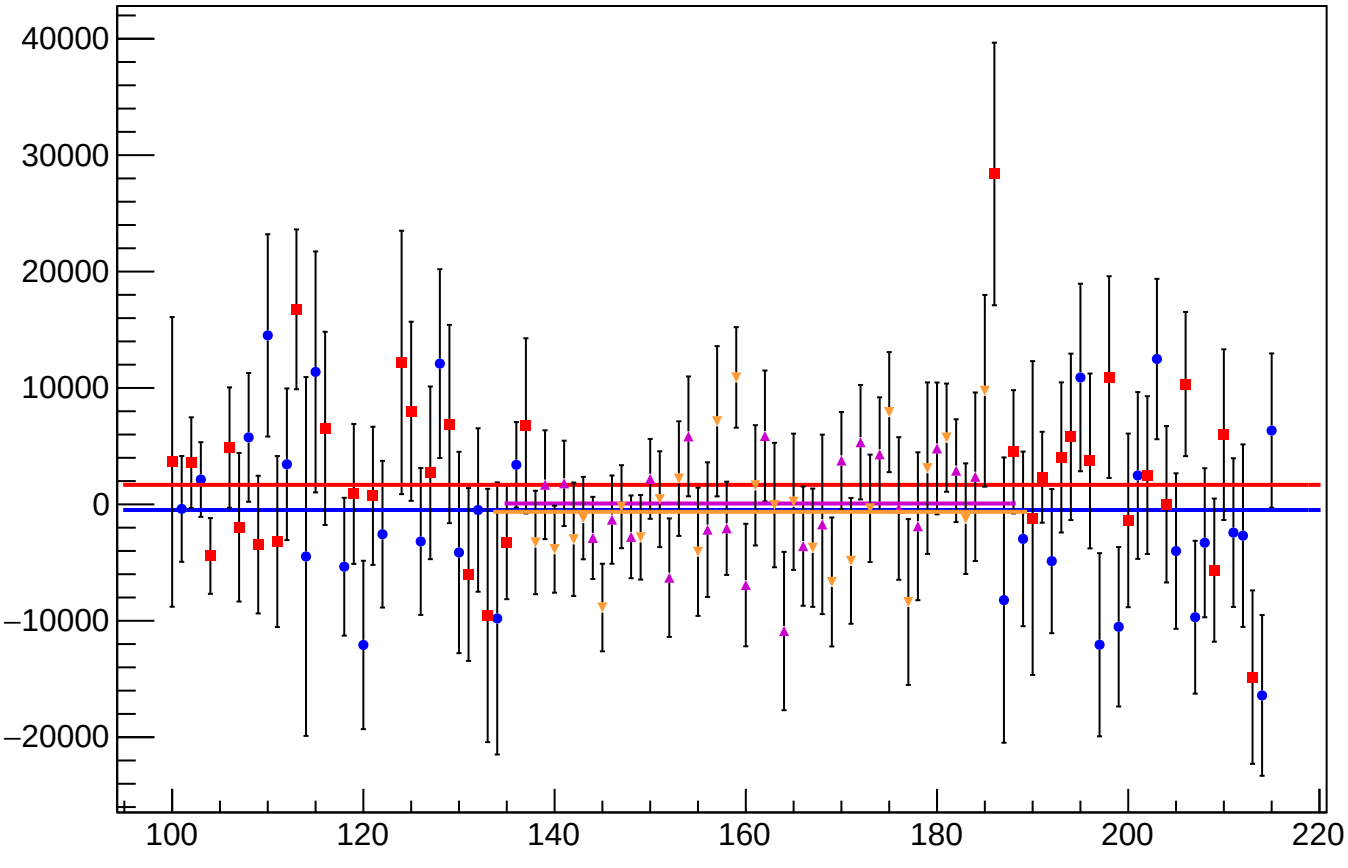
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1926.899+/-0.223 χ^2/NDF: 1123128.6/64

In: 1873.950+/-0.217 χ^2/NDF:791815.5/53

Out: 1873.921+/-0.216 χ^2/NDF:470880.8/58

All: 1873.935+/-0.153 χ^2/NDF: 1262696.4/11



Right In: -482.634+/-1150.568 χ^2/NDF: 34.6/30

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1677.030+/-1083.814 χ^2/NDF: 33.0/33

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

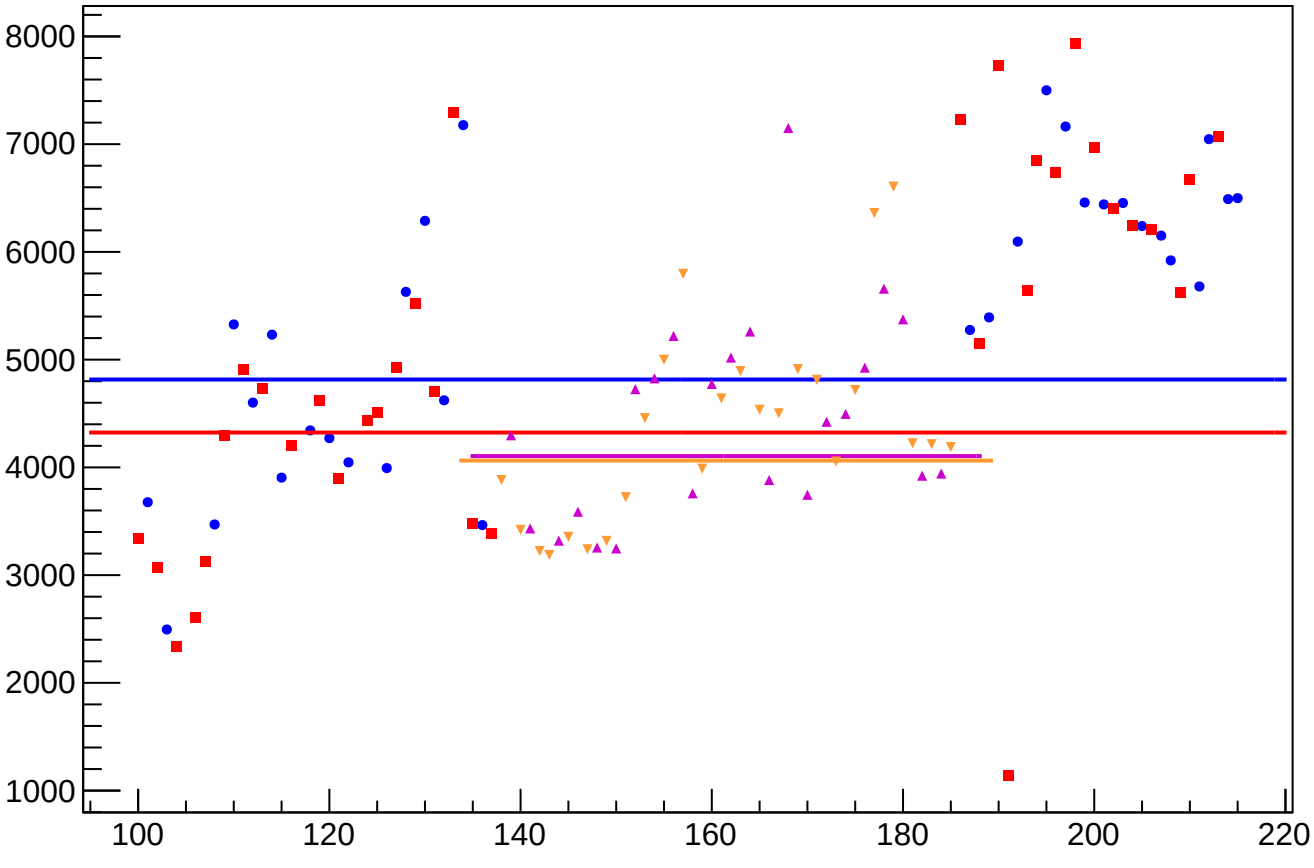
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 661.661+/-788.916 χ^2/NDF: 69.4/64

In: -159.068+/-746.161 χ^2/NDF:50.1/53

Out: 364.256+/-713.069 χ^2/NDF:61.6/58

All: 114.455+/-515.518 χ^2/NDF: 112.0/112



Right In: 4815.449+/-0.814 χ^2/NDF: 3345756.8/30

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4323.649+/-0.766 χ^2/NDF: 5475294.1/33

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

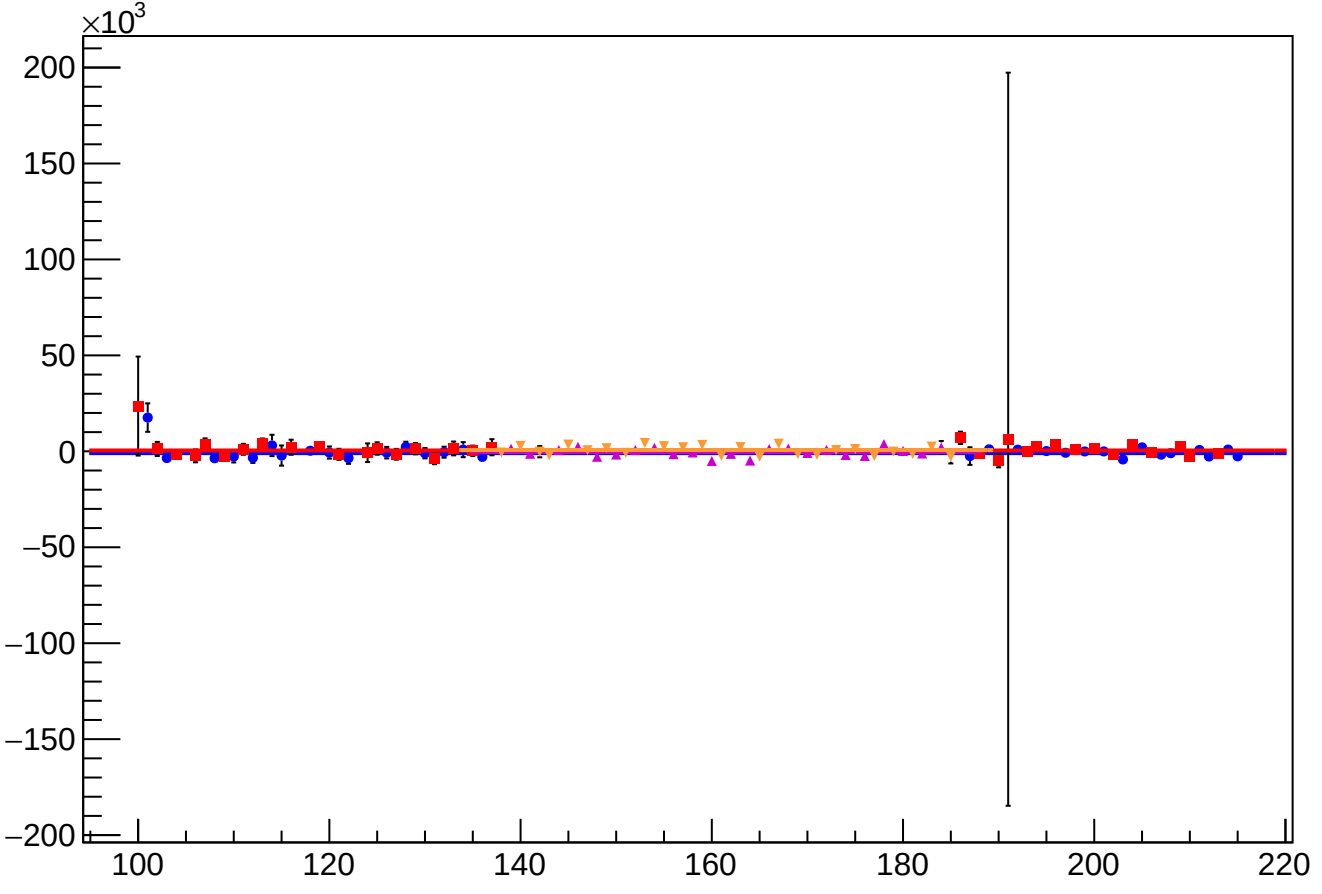
Right: 4554.869+/-0.558 χ^2/NDF: 9014664.8/64

In: 4403.824+/-0.528 χ^2/NDF:5147043.0/53

Out: 4175.886+/-0.504 χ^2/NDF:6945873.5/58

All: 4284.688+/-0.365 χ^2/NDF: 12190465.8/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -940.165+/-446.105 χ^2/NDF: 23.6/30

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 442.753+/-453.026 χ^2/NDF: 28.7/33

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

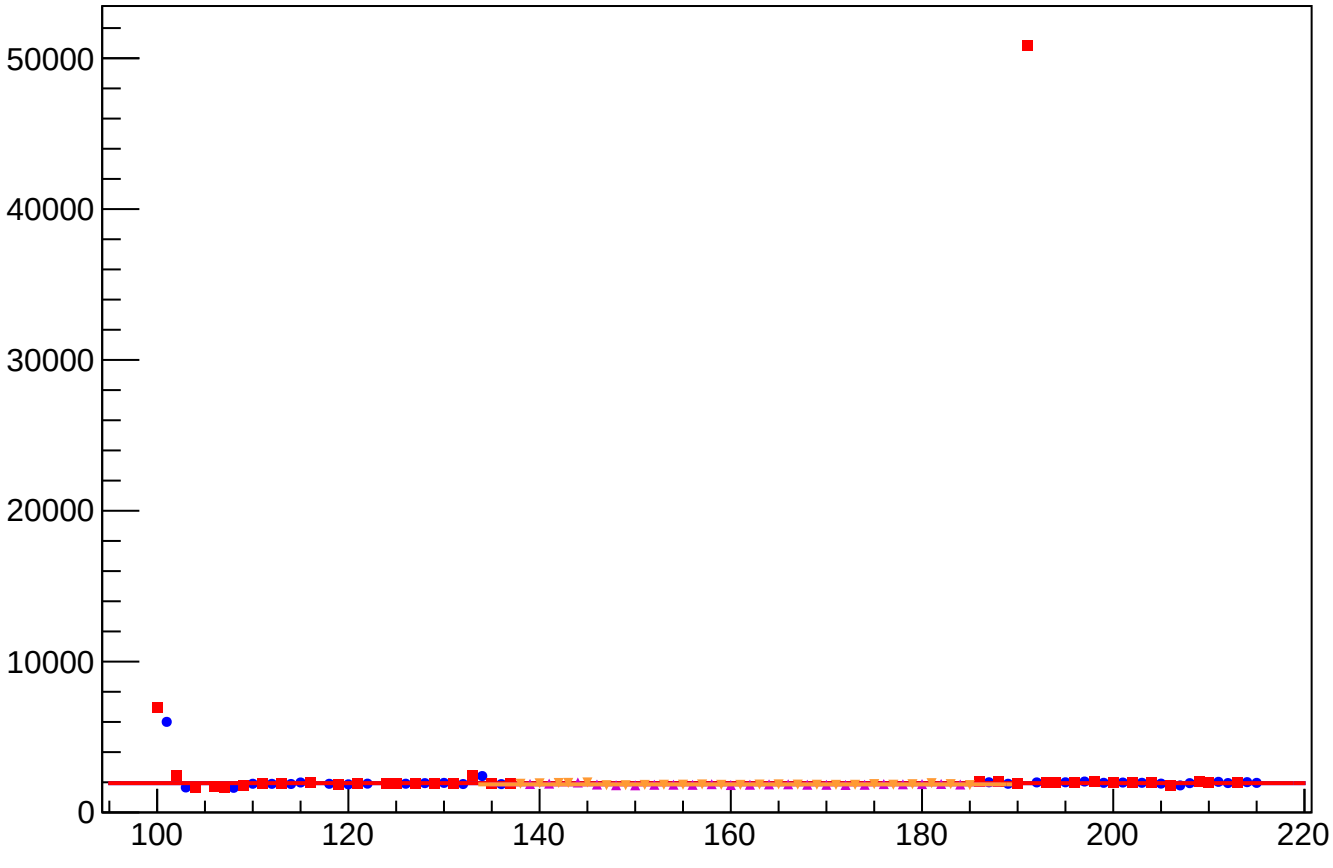
Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

Right: -259.351+/-317.863 χ^2/NDF: 57.0/64

In: -668.151+/-311.023 χ^2/NDF:47.9/53

Out: 557.525+/-309.201 χ^2/NDF:55.9/58

All: -51.713+/-219.279 χ^2/NDF: 111.6/112



Right In: 1941.248+/-0.315 χ^2/NDF: 726439.7/30

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1944.021+/-0.320 χ^2/NDF: 407661.7/33

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

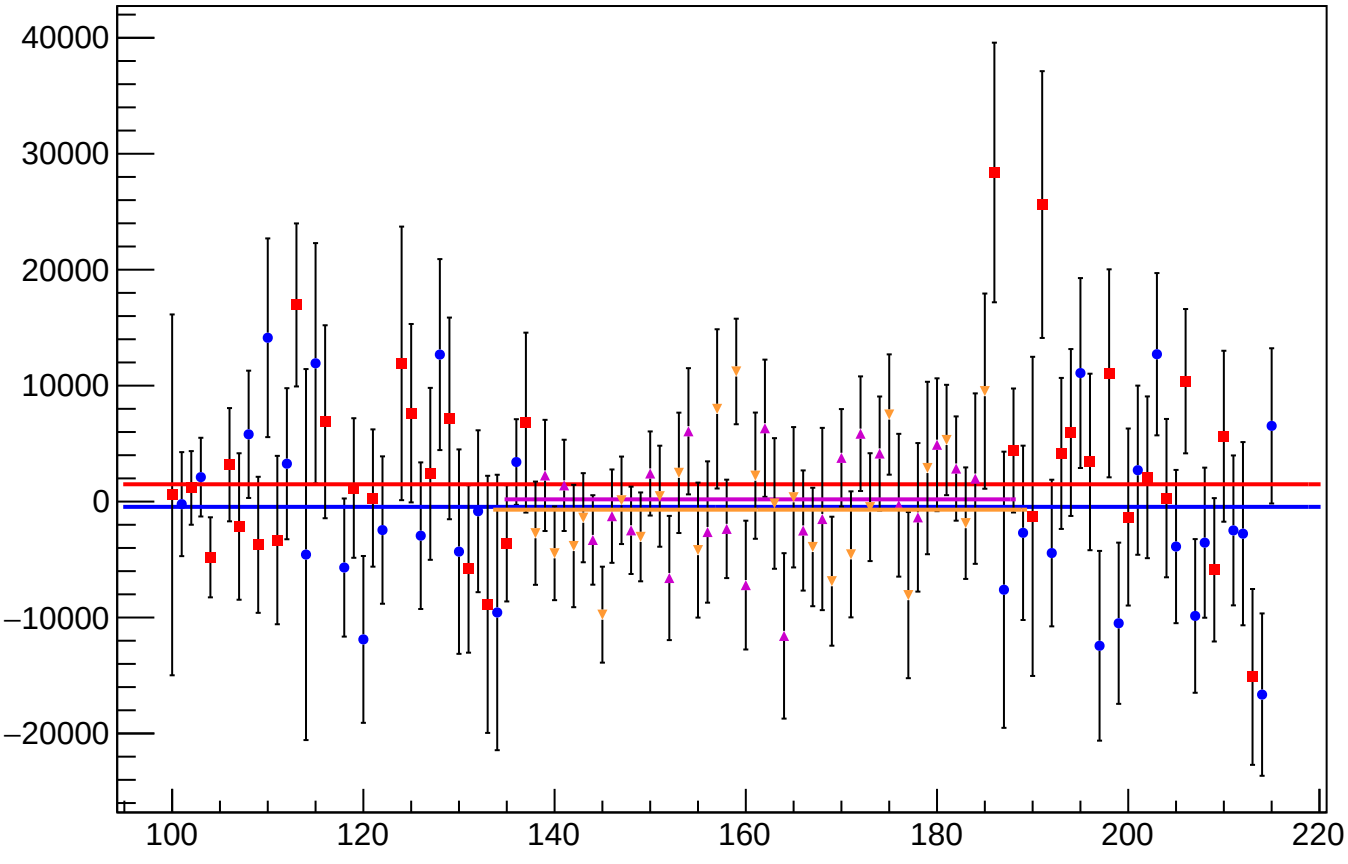
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1942.614+/-0.225 χ^2/NDF: 1134139.5/64

In: 1898.291+/-0.220 χ^2/NDF:778906.2/53

Out: 1900.082+/-0.219 χ^2/NDF:468942.3/58

All: 1899.192+/-0.155 χ^2/NDF: 1247881.9/11



Right In: -455.155+/-1164.443 χ^2/NDF: 34.5/30

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1492.812+/-1112.876 χ^2/NDF: 36.6/33

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

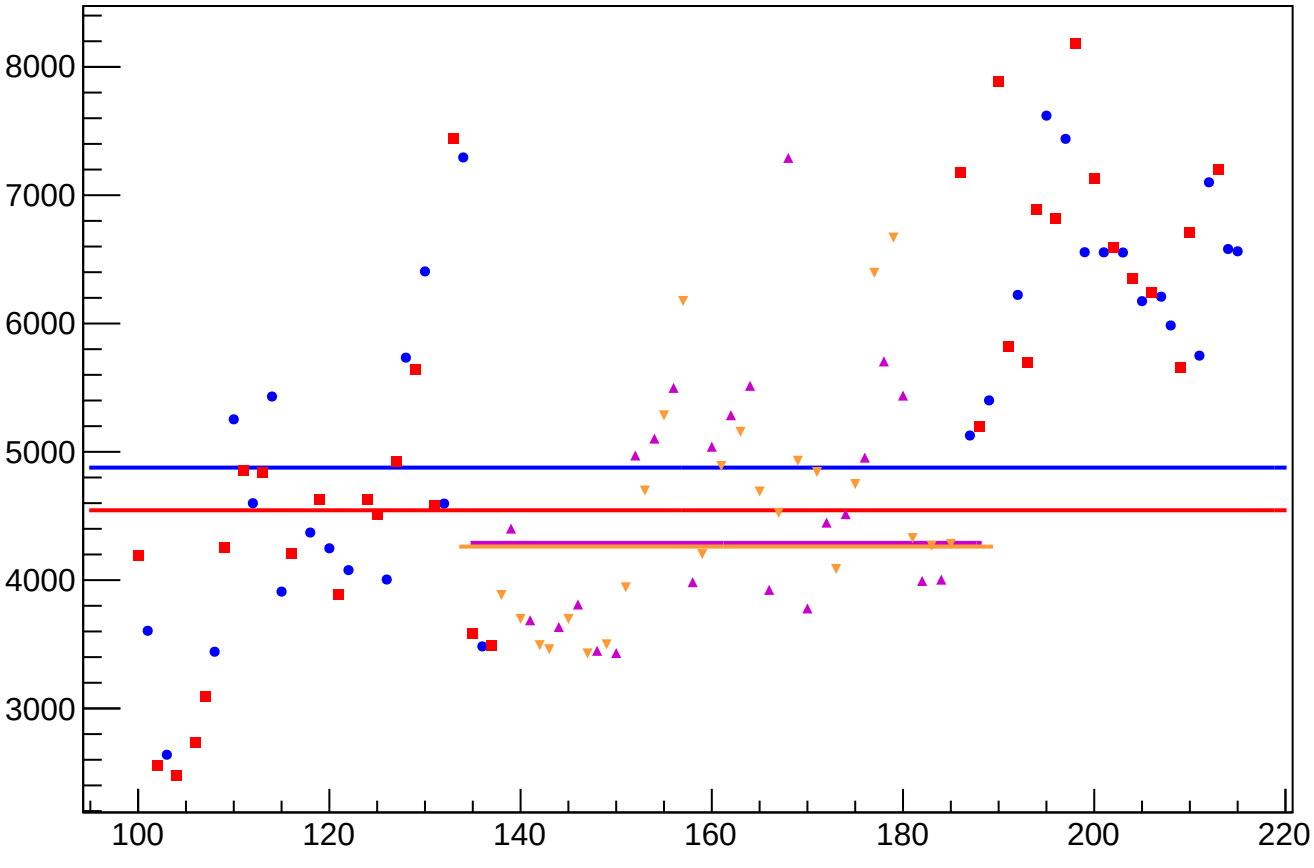
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 562.915+/-804.535 χ^2/NDF: 72.5/64

In: -89.466+/-768.314 χ^2/NDF:49.8/53

Out: 269.705+/-739.693 χ^2/NDF:64.1/58

All: 96.934+/-532.873 χ^2/NDF: 114.0/112



Right In: 4876.973+/-0.823 χ^2/NDF: 3261287.3/30

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4544.377+/-0.787 χ^2/NDF: 4446937.1/33

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

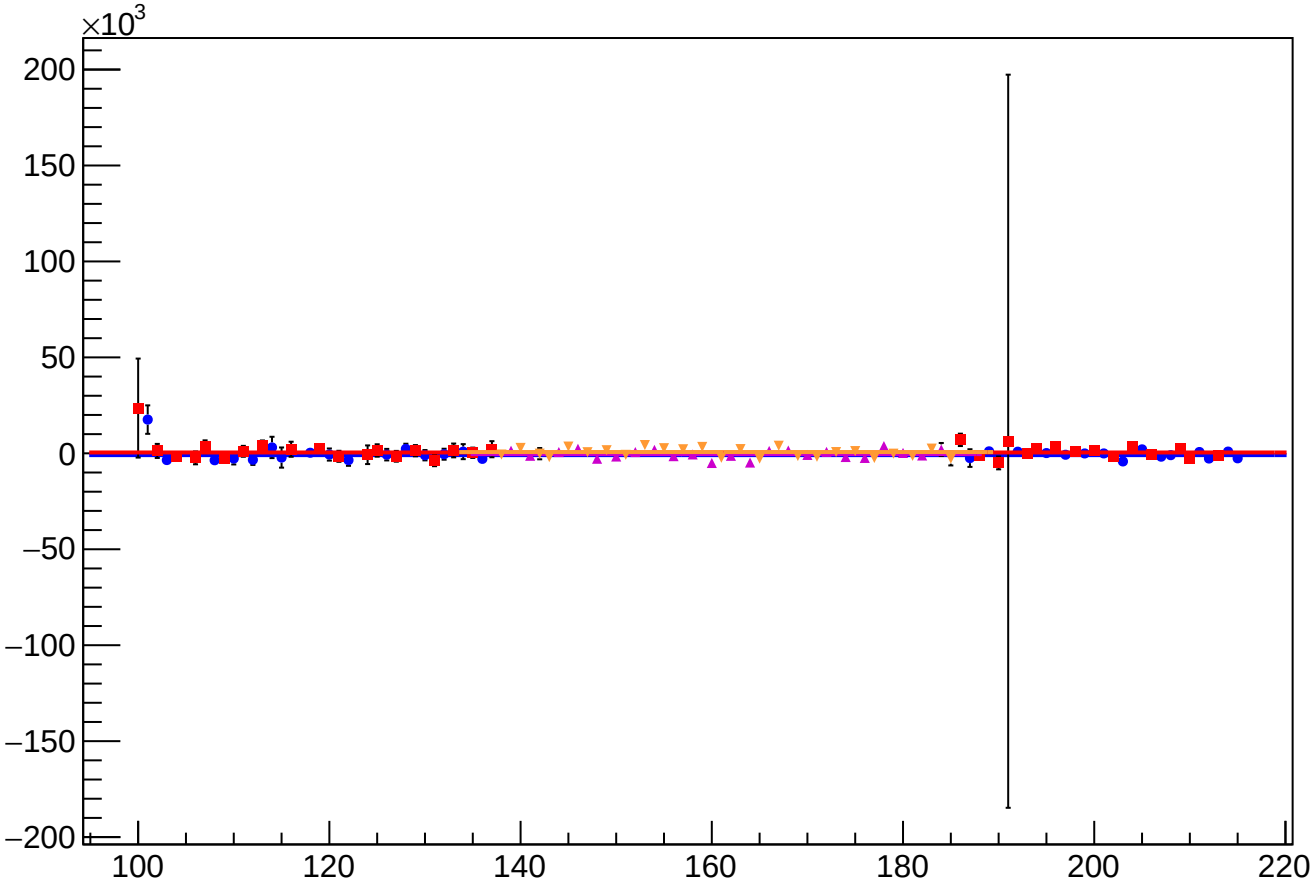
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4703.148+/-0.569 χ^2/NDF: 7793499.5/64

In: 4545.765+/-0.543 χ^2/NDF:4761813.4/53

Out: 4386.261+/-0.523 χ^2/NDF:5709823.6/58

All: 4462.987+/-0.377 χ^2/NDF: 10516371.3/1



Right In: -940.162+/-446.105 χ^2/NDF: 23.6/30

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 442.750+/-453.026 χ^2/NDF: 28.7/33

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

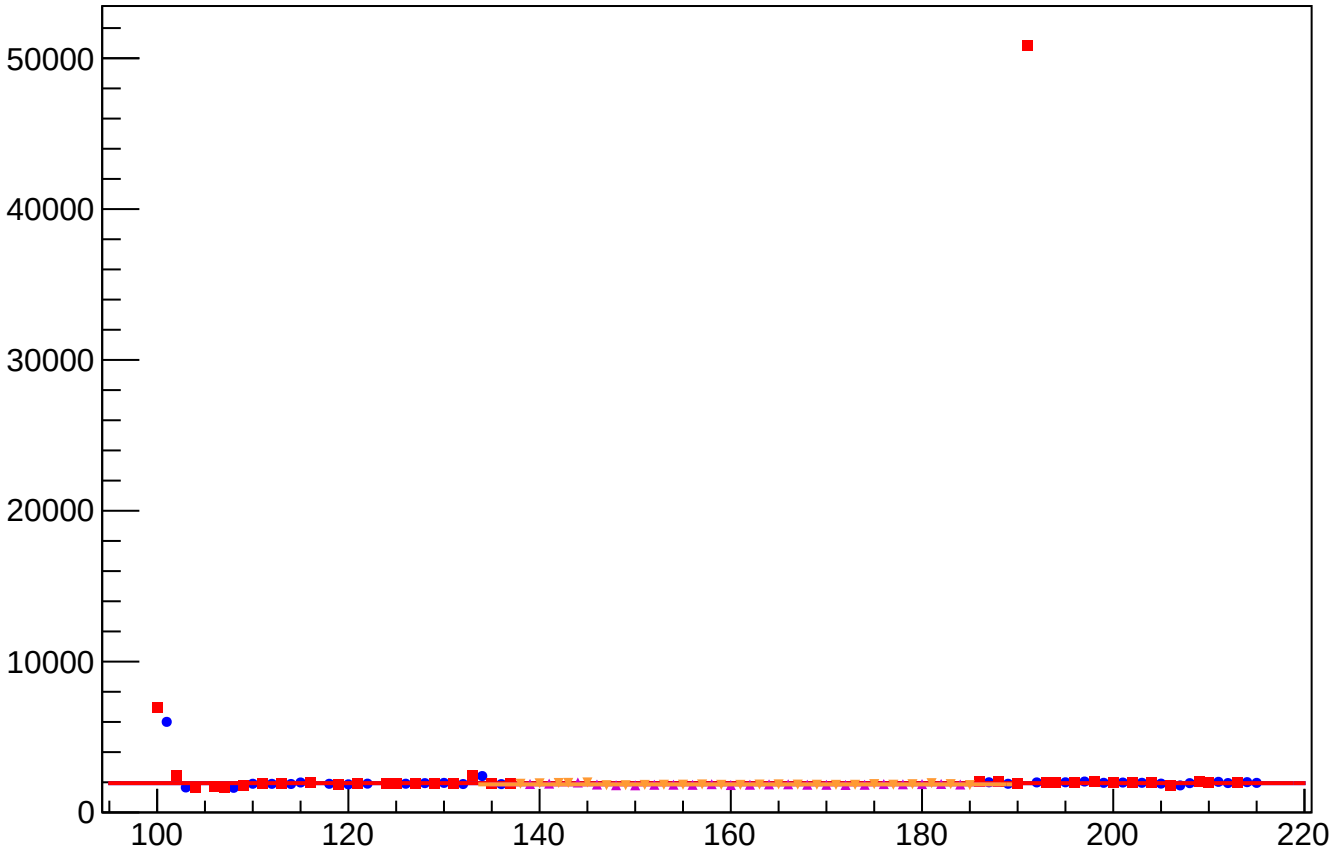
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -259.351+/-317.863 χ^2/NDF: 57.0/64

In: -668.149+/-311.023 χ^2/NDF:47.9/53

Out: 557.526+/-309.201 χ^2/NDF:55.9/58

All: -51.712+/-219.279 χ^2/NDF: 111.6/112



Right In: 1941.248+/-0.315 χ^2/NDF: 726439.6/30

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1944.021+/-0.320 χ^2/NDF: 407661.9/33

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

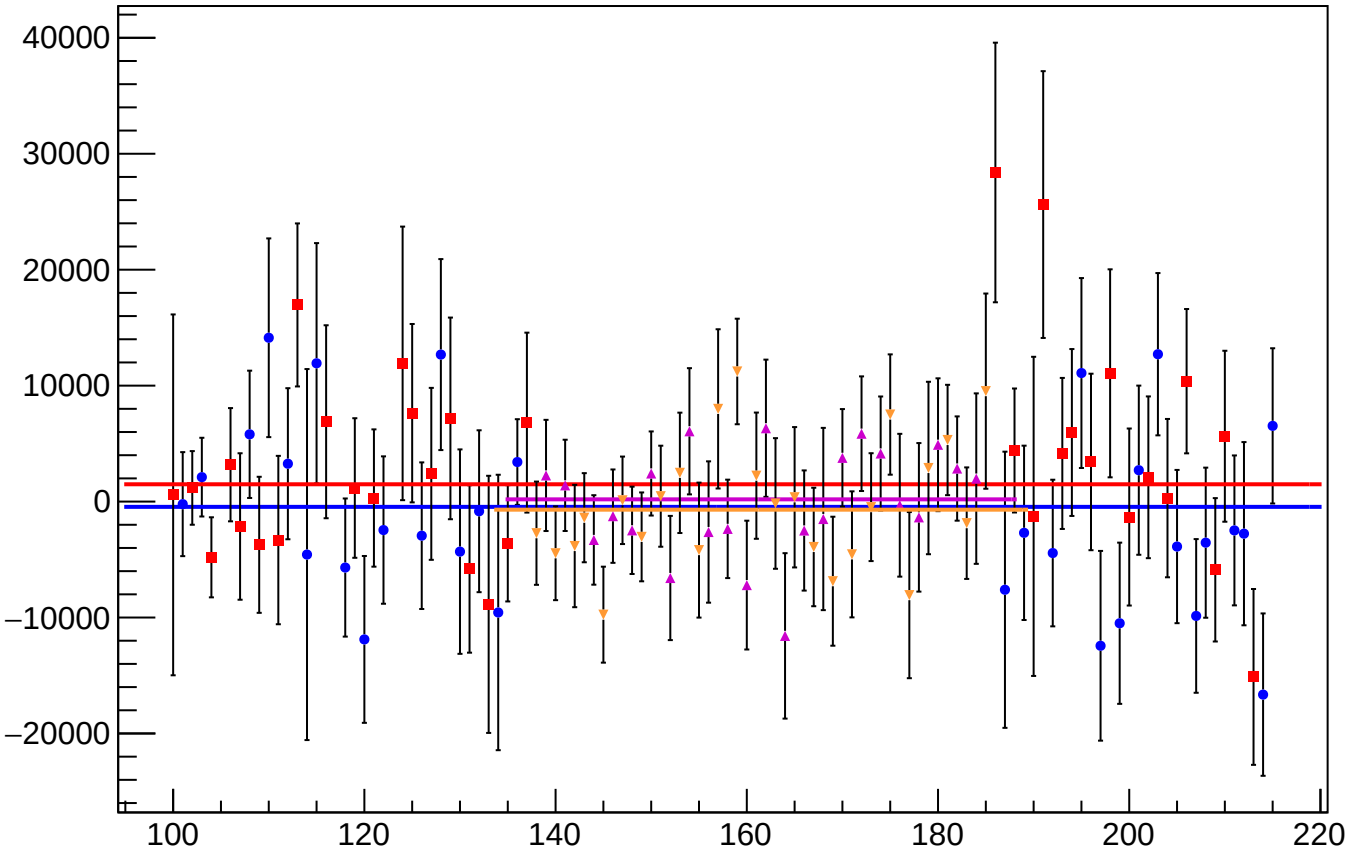
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1942.614+/-0.225 χ^2/NDF: 1134139.6/64

In: 1898.292+/-0.220 χ^2/NDF:778905.4/53

Out: 1900.083+/-0.219 χ^2/NDF:468942.1/58

All: 1899.193+/-0.155 χ^2/NDF: 1247880.9/11



Right In: -455.161+/-1164.443 χ^2/NDF: 34.5/30

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1492.809+/-1112.876 χ^2/NDF: 36.6/33

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

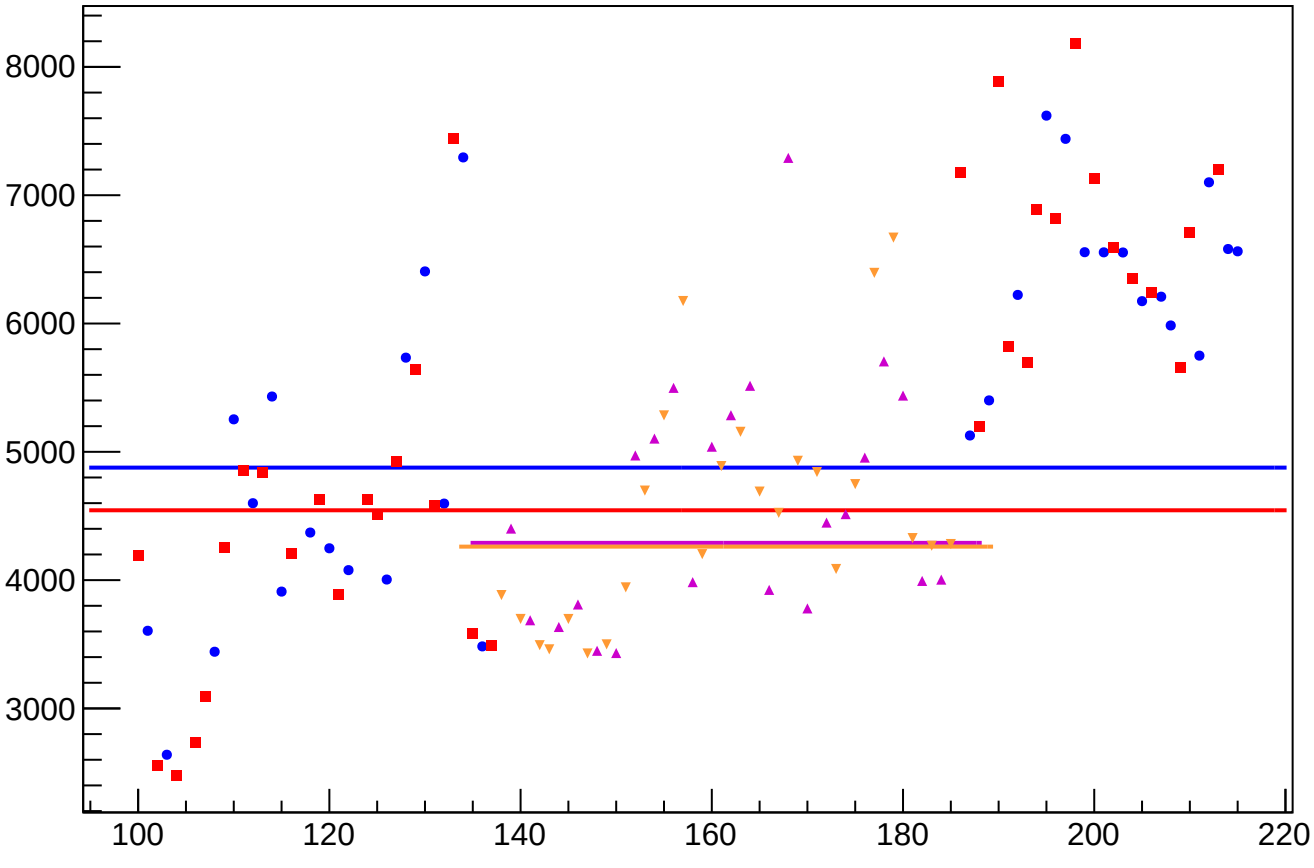
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 562.911+/-804.535 χ^2/NDF: 72.5/64

In: -89.468+/-768.315 χ^2/NDF:49.8/53

Out: 269.707+/-739.694 χ^2/NDF:64.1/58

All: 96.934+/-532.874 χ^2/NDF: 114.0/112



Right In: 4876.972+/-0.823 χ^2/NDF: 3261296.3/30

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4544.375+/-0.787 χ^2/NDF: 4446945.1/33

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

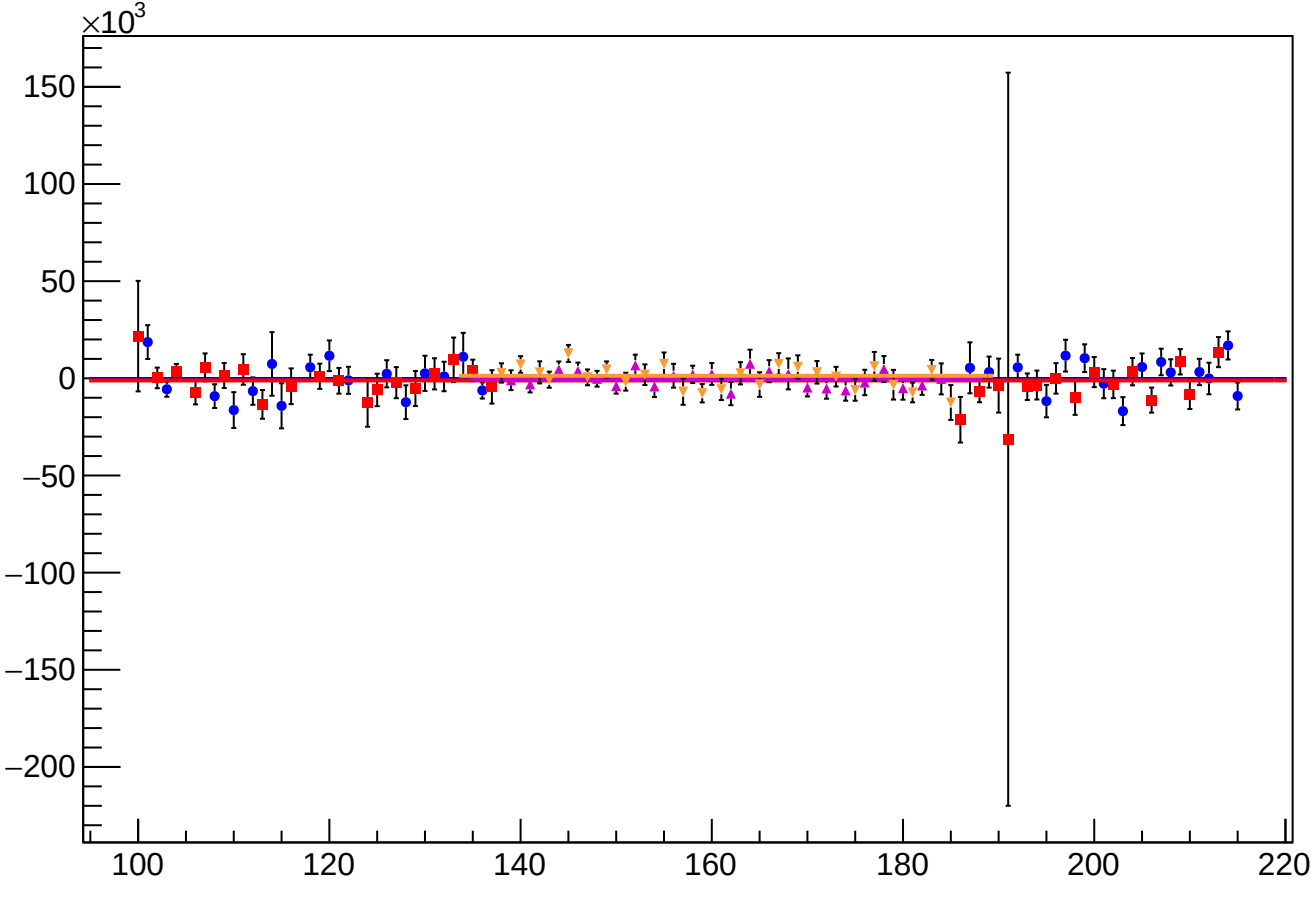
Right: 4703.146+/-0.569 χ^2/NDF: 7793517.3/64

In: 4545.769+/-0.543 χ^2/NDF:4761820.8/53

Out: 4386.264+/-0.523 χ^2/NDF:5709829.7/58

All: 4462.990+/-0.377 χ^2/NDF: 10516385.1/1

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -341.068+/-1280.422 χ^2/NDF: 45.5/30

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1078.992+/-1260.834 χ^2/NDF: 26.0/33

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

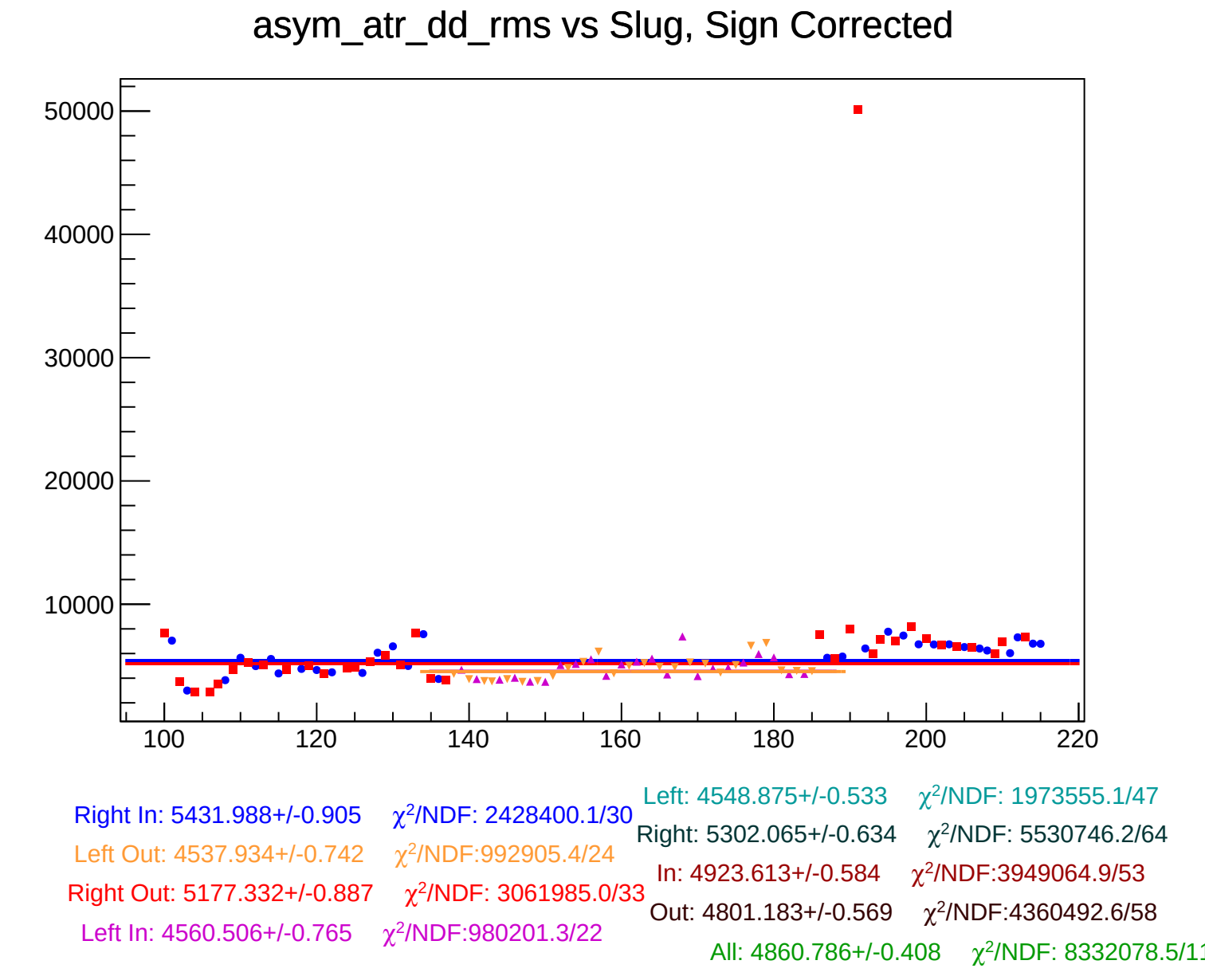
Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

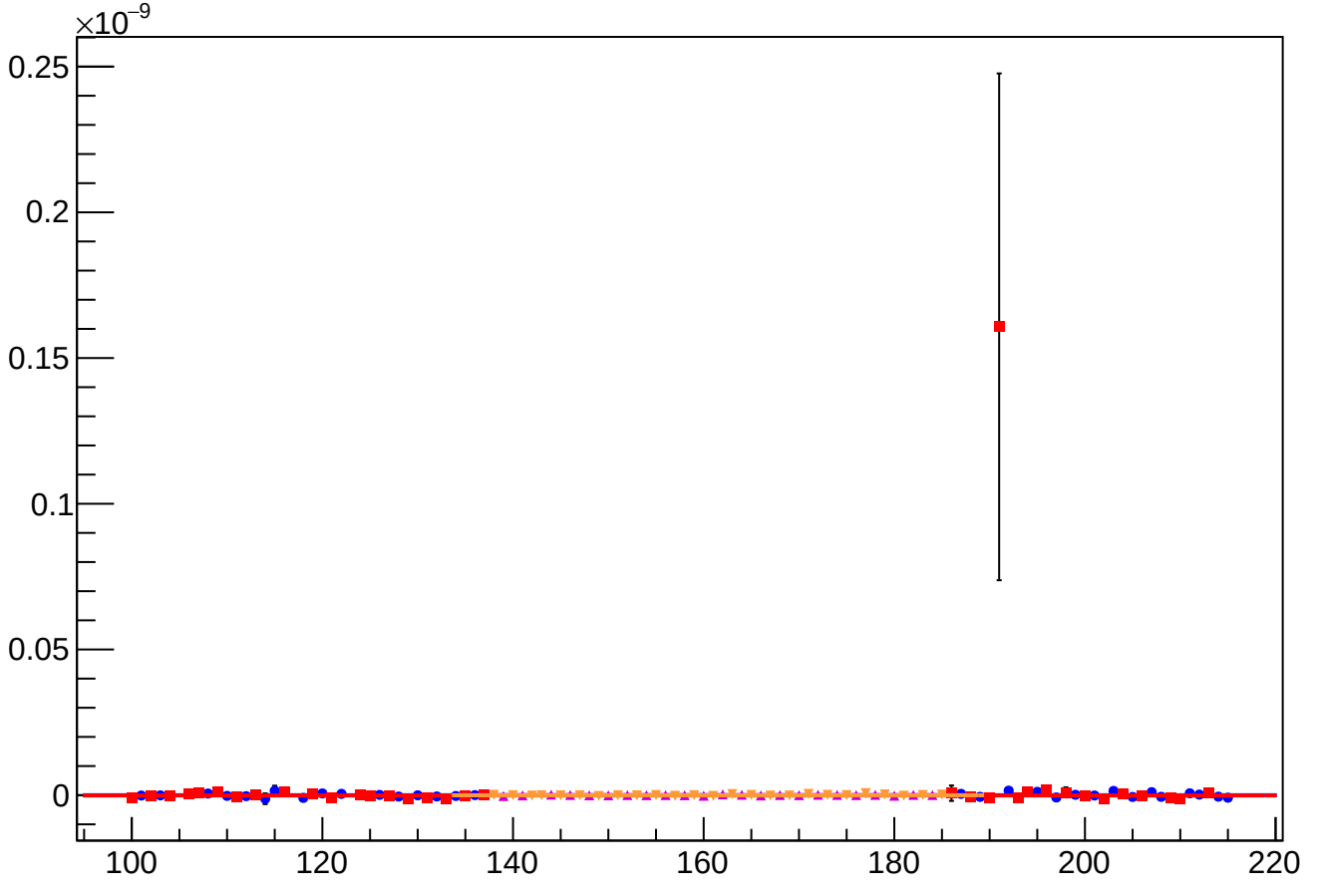
Right: -715.717+/-898.390 χ^2/NDF: 71.7/64

In: -478.372+/-826.497 χ^2/NDF:59.9/53

Out: 325.292+/-806.649 χ^2/NDF:56.6/58

All: -66.775+/-577.276 χ^2/NDF: 117.0/112


asym_atr_dd_rms vs Slug, Sign Corrected
50000
40000
30000
20000
10000
100
120
140
160
180
200
220
Right In: 5431.988+/-0.905 χ²/NDF: 2428400.1/30
Left Out: 4537.934+/-0.742 χ²/NDF:992905.4/24
Right Out: 5177.332+/-0.887 χ²/NDF: 3061985.0/33
Left In: 4560.506+/-0.765 χ²/NDF:980201.3/22
Left: 4548.875+/-0.533 χ²/NDF: 1973555.1/47
Right: 5302.065+/-0.634 χ²/NDF: 5530746.2/64
In: 4923.613+/-0.584 χ²/NDF:3949064.9/53
Out: 4801.183+/-0.569 χ²/NDF:4360492.6/58
All: 4860.786+/-0.408 χ²/NDF: 8332078.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.7/33

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

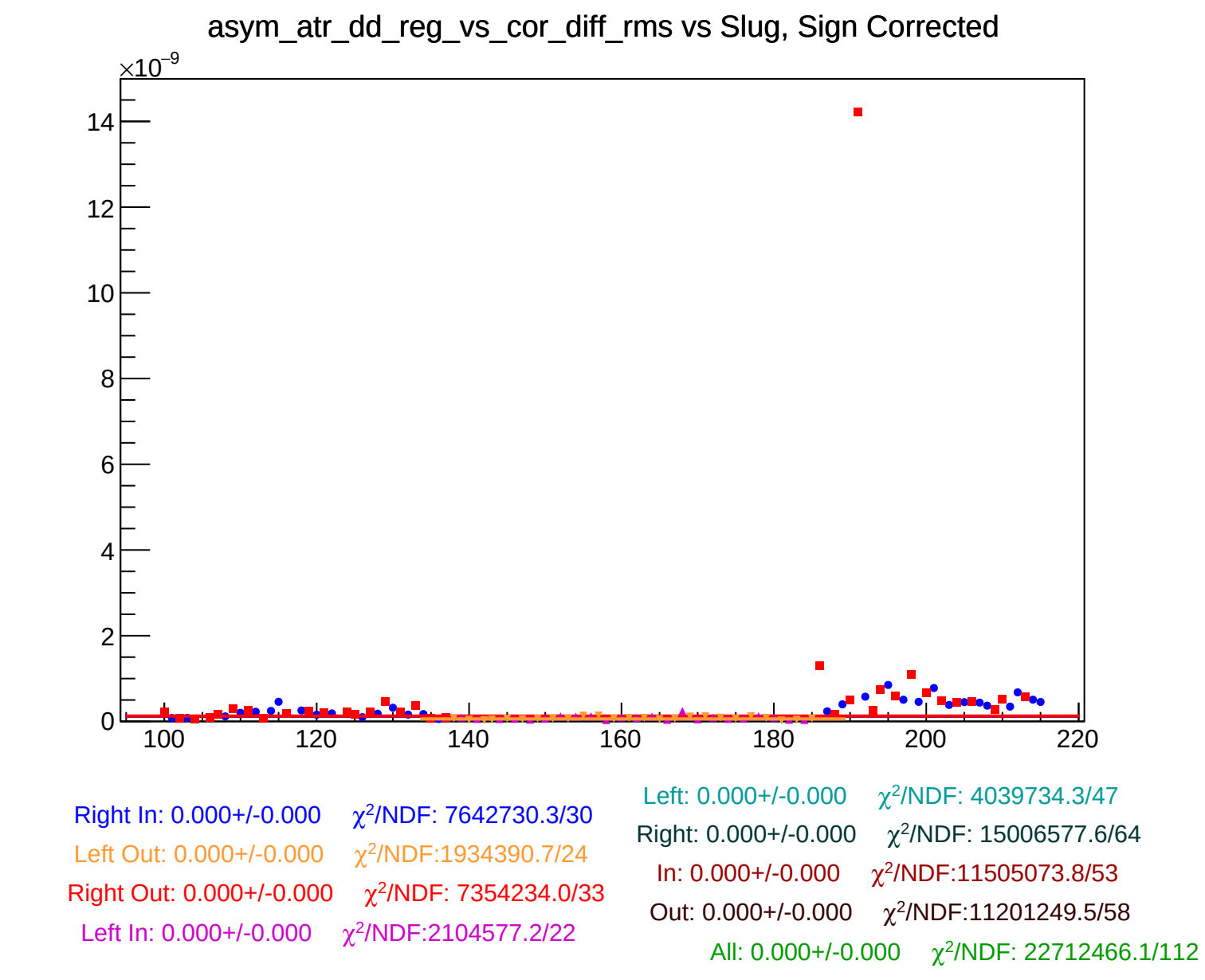
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

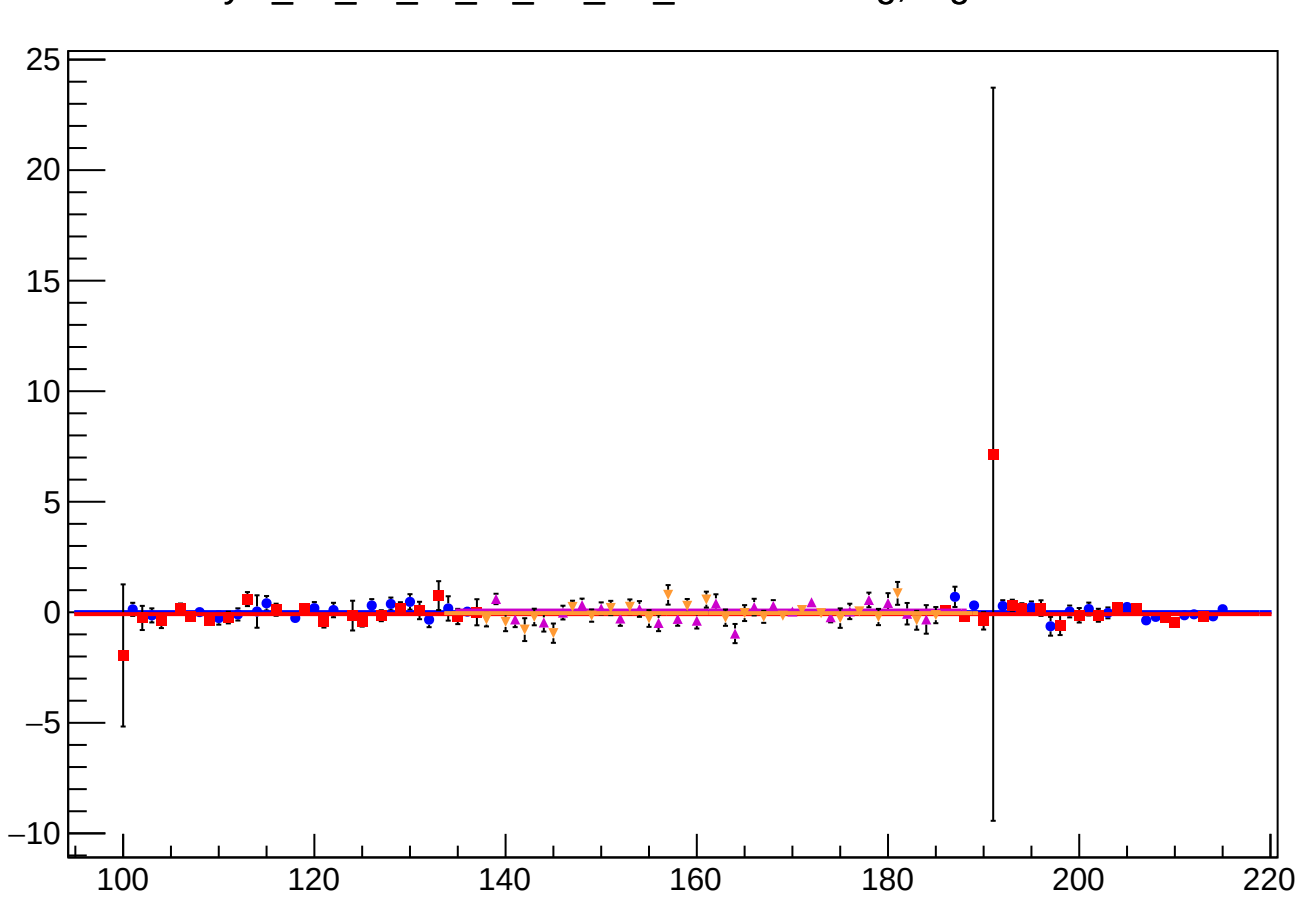
Right: -0.000+/-0.000 χ^2/NDF: 73.0/64

In: 0.000+/-0.000 χ^2/NDF:49.1/53

Out: -0.000+/-0.000 χ^2/NDF:82.4/58

All: -0.000+/-0.000 χ^2/NDF: 133.7/112


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: 7642730.3/30
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7354234.0/33
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
Left: 0.000+/-0.000 χ²/NDF: 4039734.3/47
Right: 0.000+/-0.000 χ²/NDF: 15006577.6/64
In: 0.000+/-0.000 χ²/NDF:11505073.8/53
Out: 0.000+/-0.000 χ²/NDF:11201249.5/58
All: 0.000+/-0.000 χ²/NDF: 22712466.1/112



Right In: 0.007+/-0.043 χ^2/NDF: 30.6/30

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.044 χ^2/NDF: 33.3/33

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

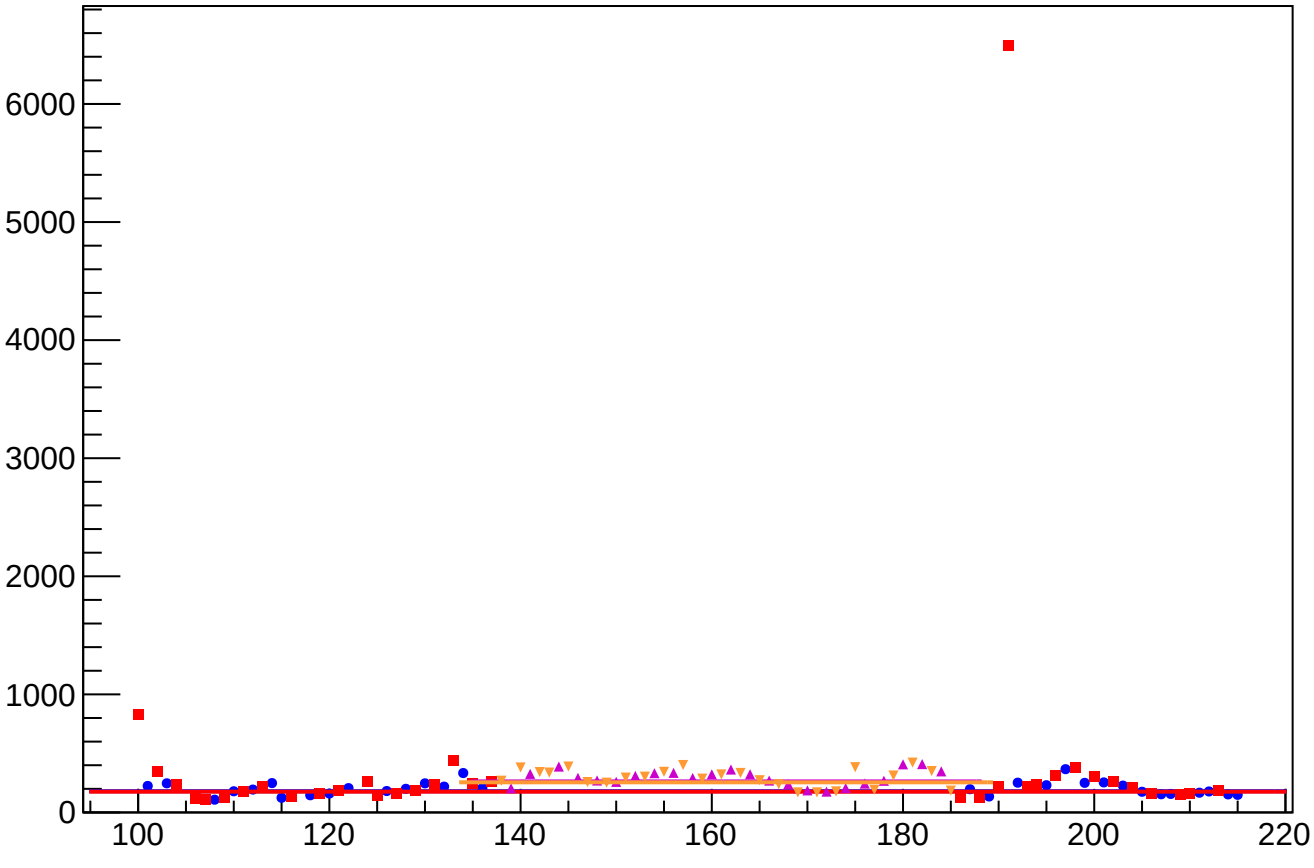
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.037+/-0.031 χ^2/NDF: 66.1/64

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.020+/-0.025 χ^2/NDF: 124.3/112



Right In: 179.729+/-0.031 χ^2/NDF: 2212094.5/30

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 176.166+/-0.031 χ^2/NDF: 3597074.9/33

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

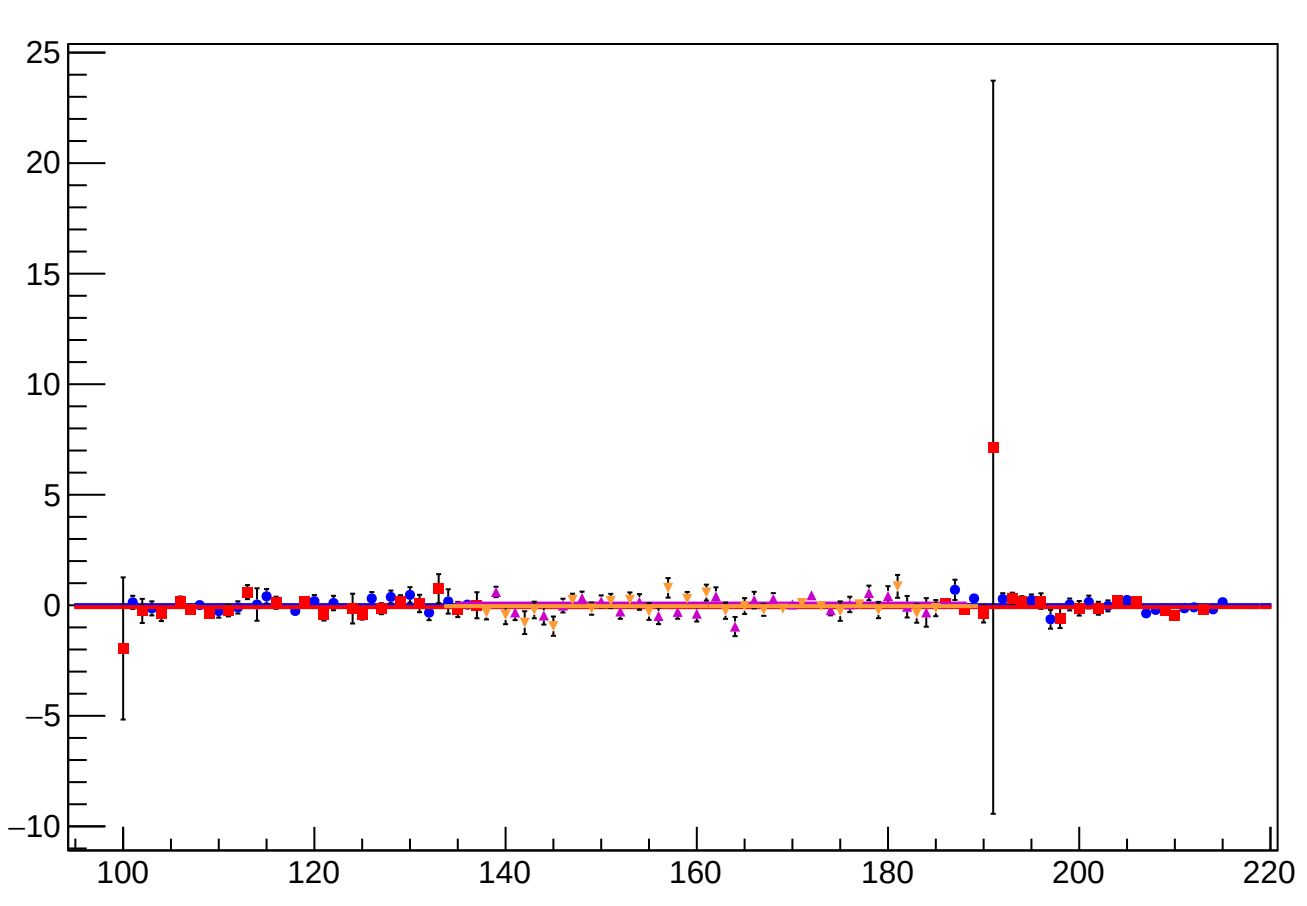
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 177.983+/-0.022 χ^2/NDF: 5815831.0/64

In: 205.253+/-0.025 χ^2/NDF:6507603.6/53

Out: 202.797+/-0.025 χ^2/NDF:8703292.0/58

All: 204.023+/-0.018 χ^2/NDF: 15215565.9/11



Right In: 0.007+/-0.043 χ^2/NDF: 30.6/30

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.044 χ^2/NDF: 33.3/33

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

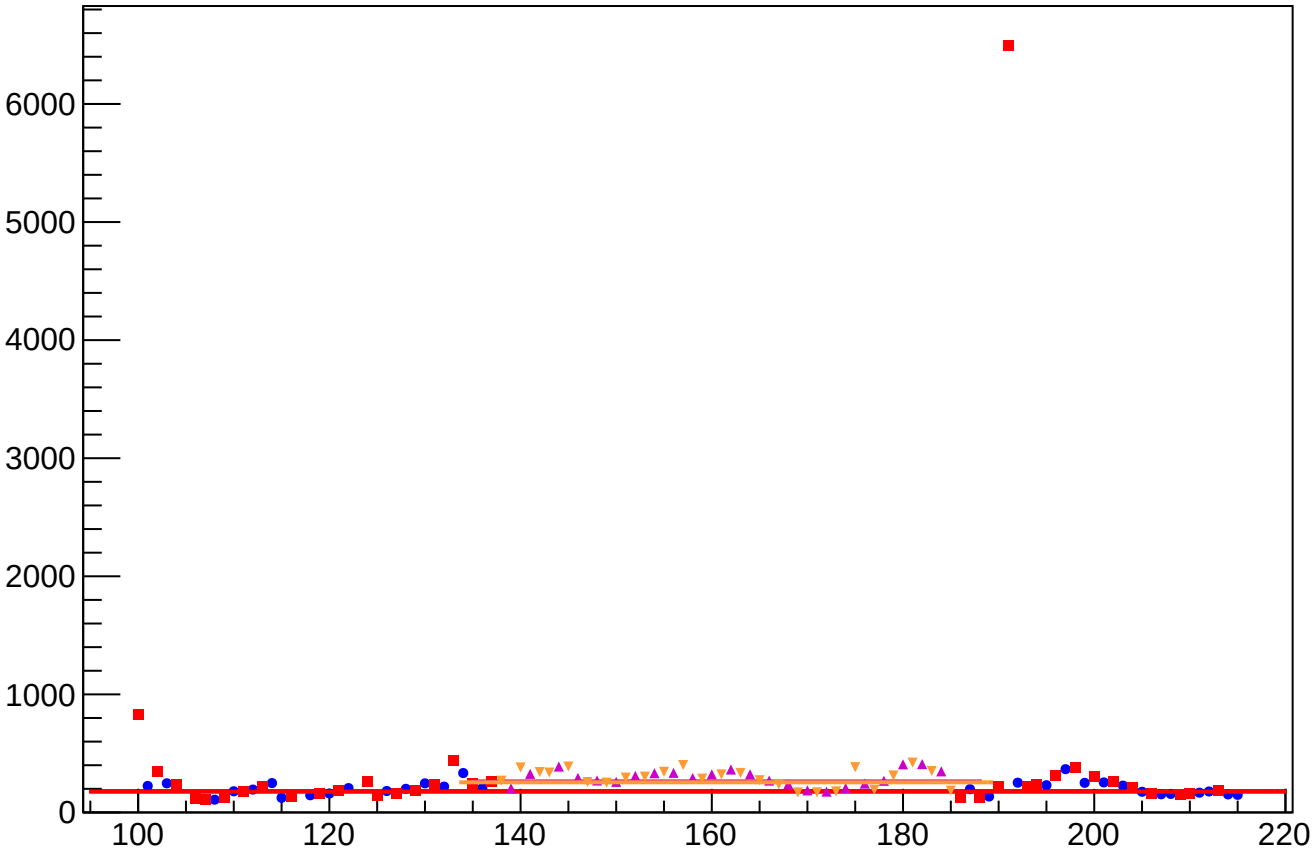
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.037+/-0.031 χ^2/NDF: 66.1/64

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.020+/-0.025 χ^2/NDF: 124.3/112



Right In: 179.729+/-0.031 χ^2/NDF: 2212094.5/30

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 176.166+/-0.031 χ^2/NDF: 3597074.9/33

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

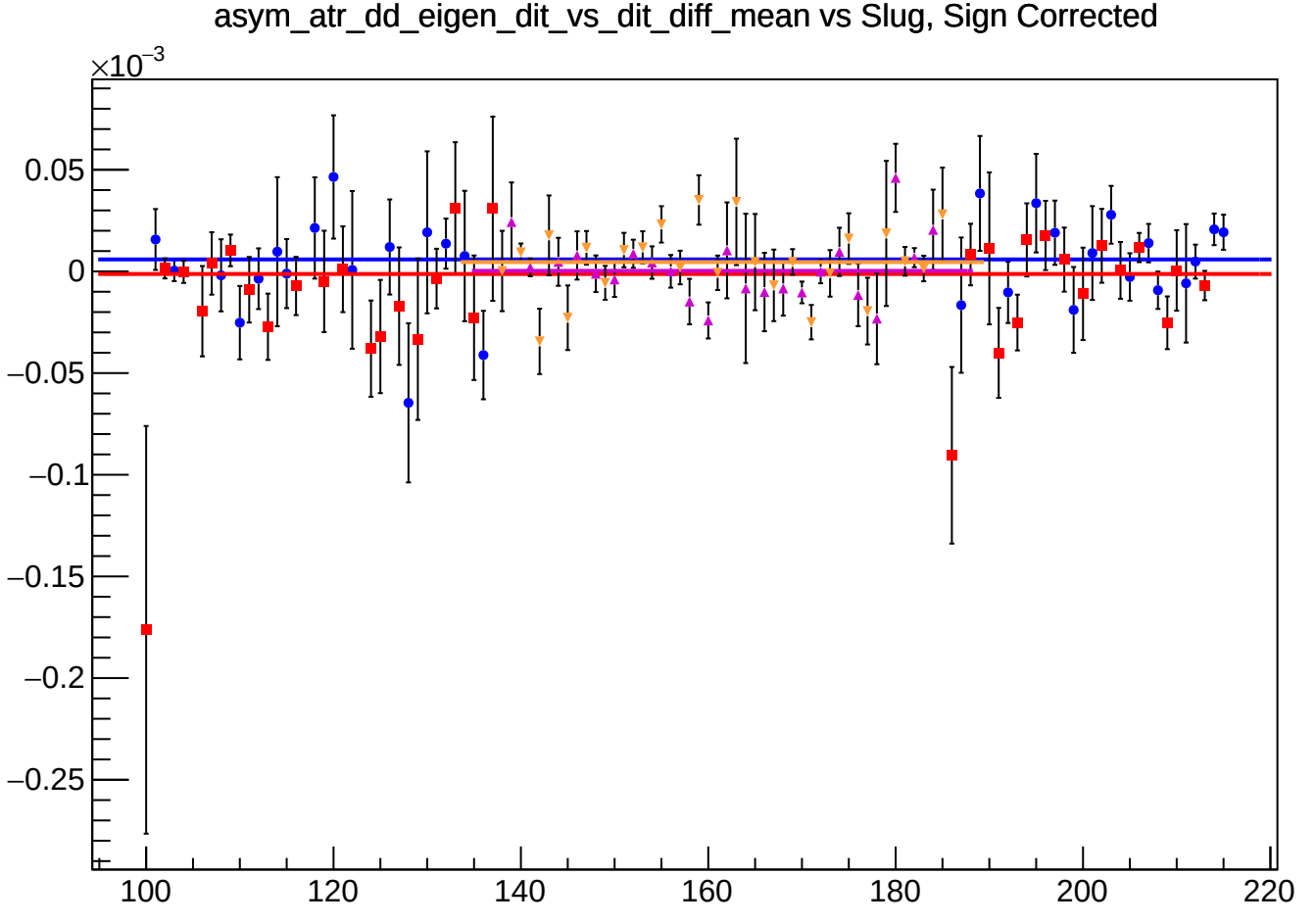
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 177.983+/-0.022 χ^2/NDF: 5815831.0/64

In: 205.253+/-0.025 χ^2/NDF:6507603.6/53

Out: 202.797+/-0.025 χ^2/NDF:8703292.0/58

All: 204.023+/-0.018 χ^2/NDF: 15215565.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 34.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/33

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

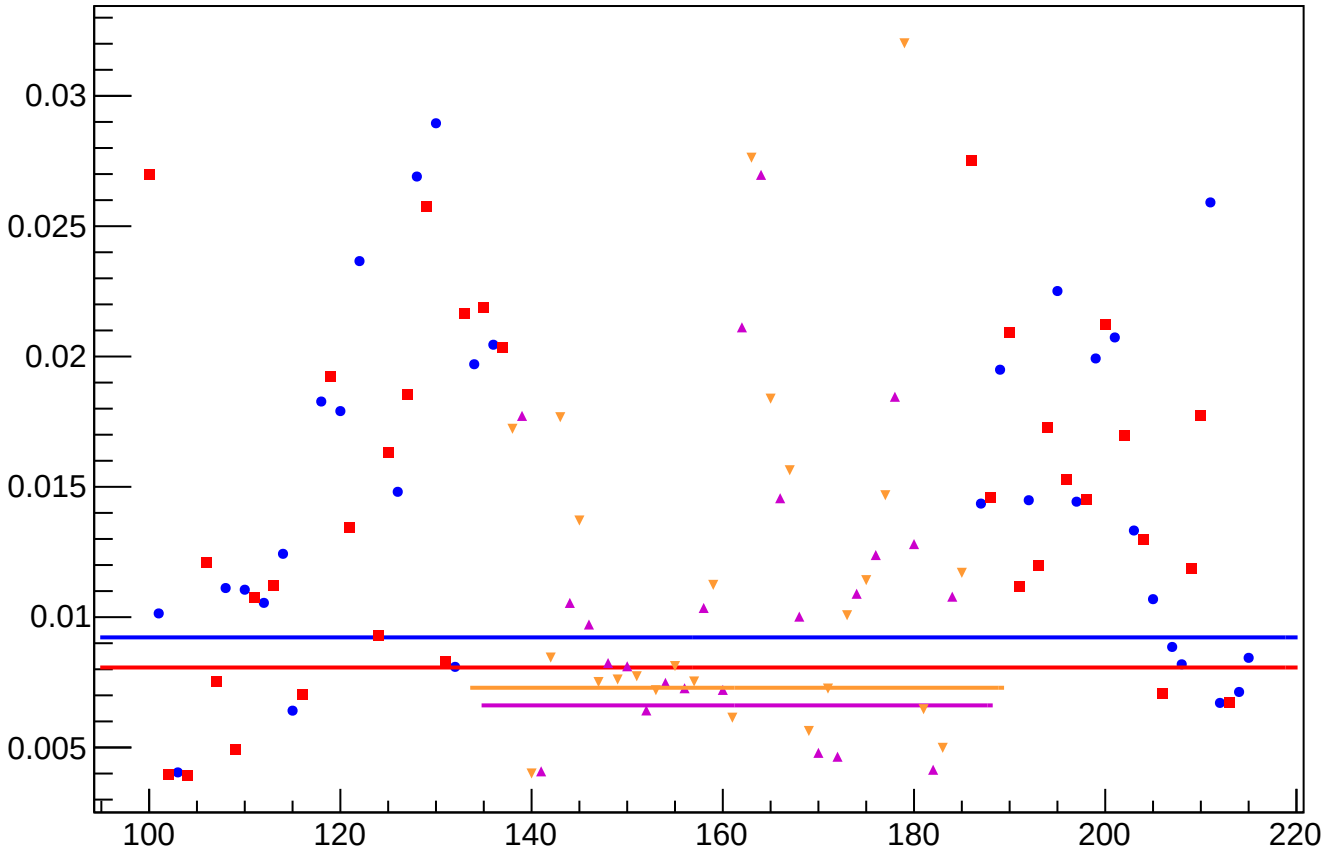
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 76.9/64

In: 0.000+/-0.000 χ^2/NDF:69.6/53

Out: 0.000+/-0.000 χ^2/NDF:84.7/58

All: 0.000+/-0.000 χ^2/NDF: 154.3/112



Right In: 0.009+/-0.000 χ^2/NDF: 8215098.7/30

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 10015397.6/33

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

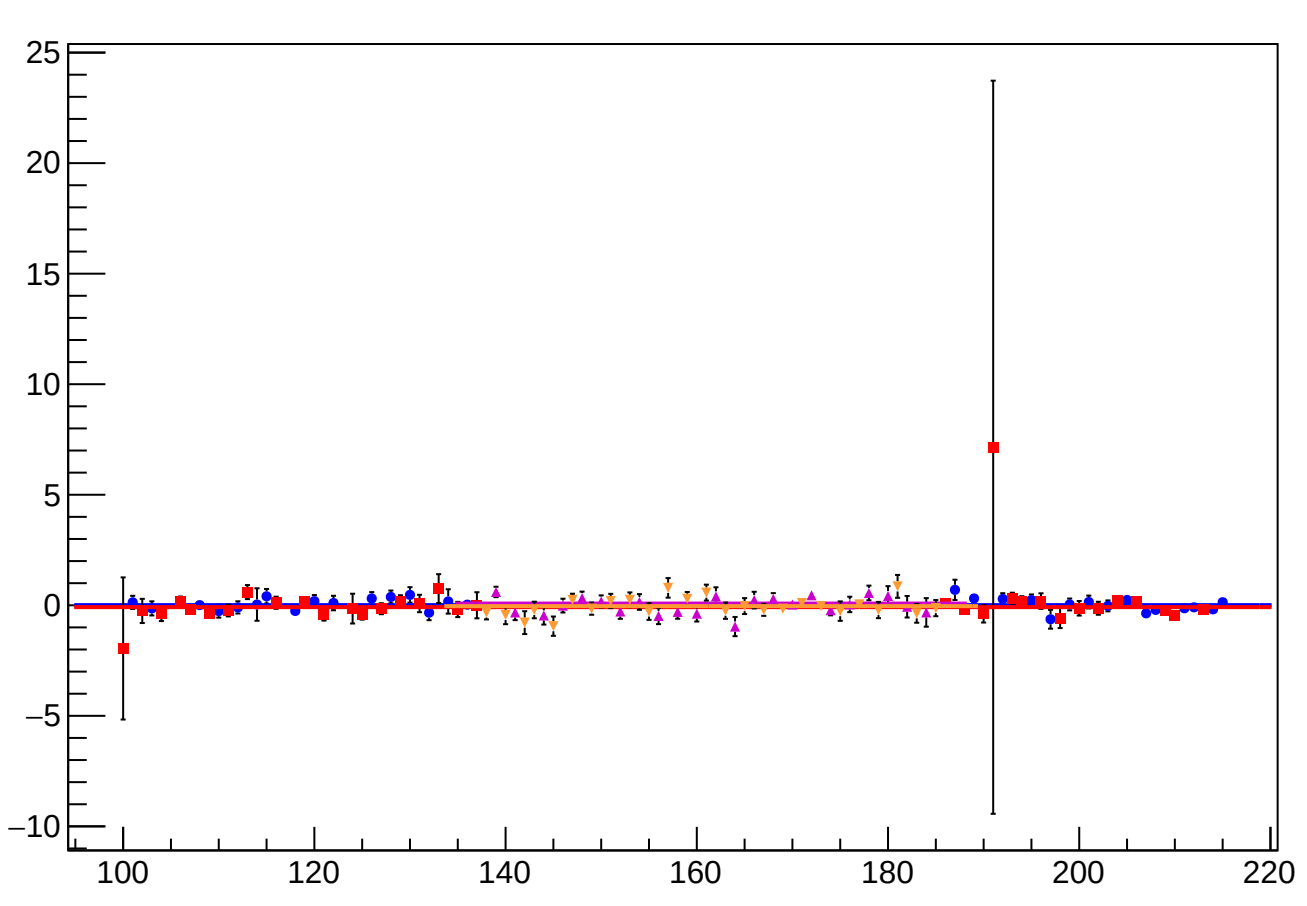
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.009+/-0.000 χ^2/NDF: 18479490.5/64

In: 0.008+/-0.000 χ^2/NDF:16118927.0/53

Out: 0.008+/-0.000 χ^2/NDF:16931897.0/58

All: 0.008+/-0.000 χ^2/NDF: 33054014.2/112



Right In: 0.007+/-0.043 χ^2/NDF: 30.6/30

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.044 χ^2/NDF: 33.3/33

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

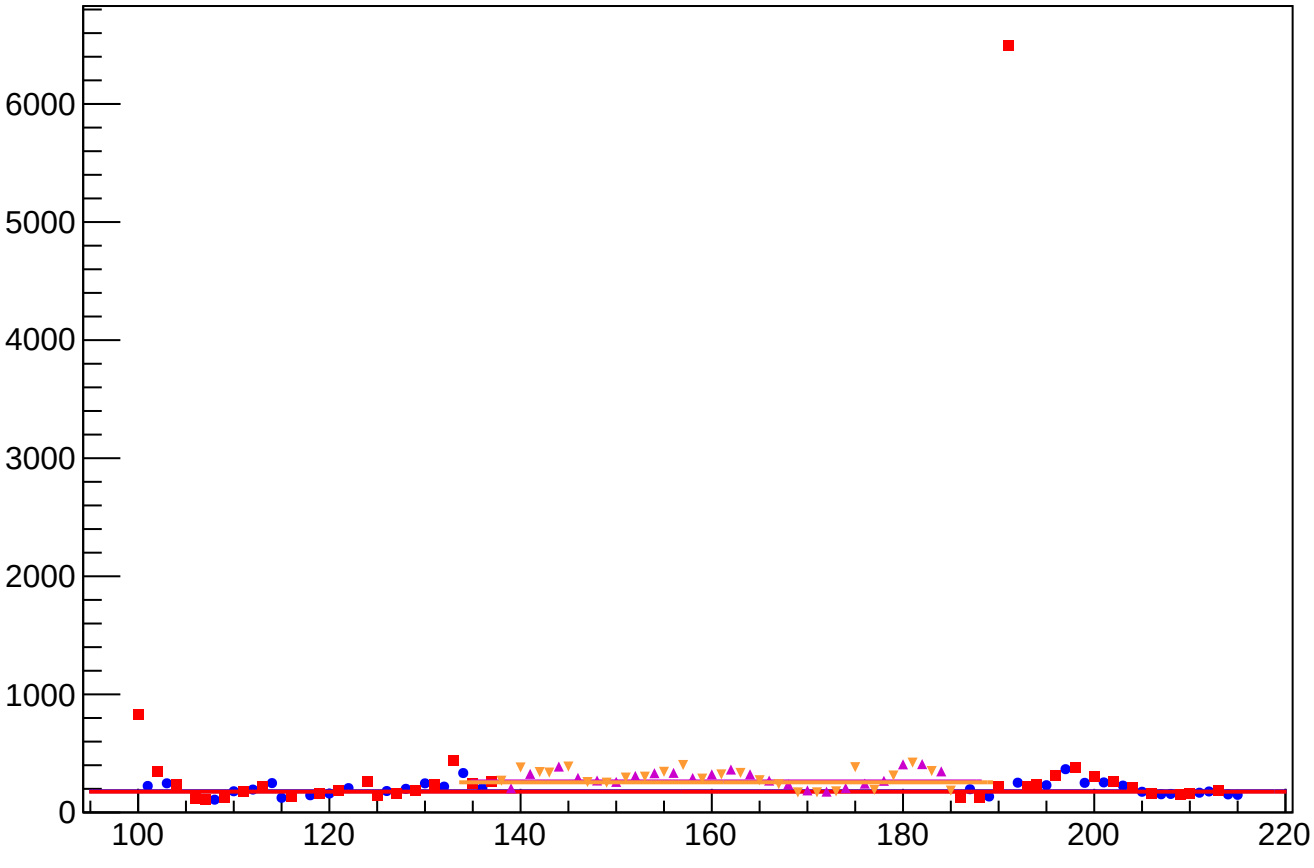
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.037+/-0.031 χ^2/NDF: 66.1/64

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.020+/-0.025 χ^2/NDF: 124.3/112



Right In: 179.729+/-0.031 χ^2/NDF: 2212094.3/30

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 176.167+/-0.031 χ^2/NDF: 3597036.4/33

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

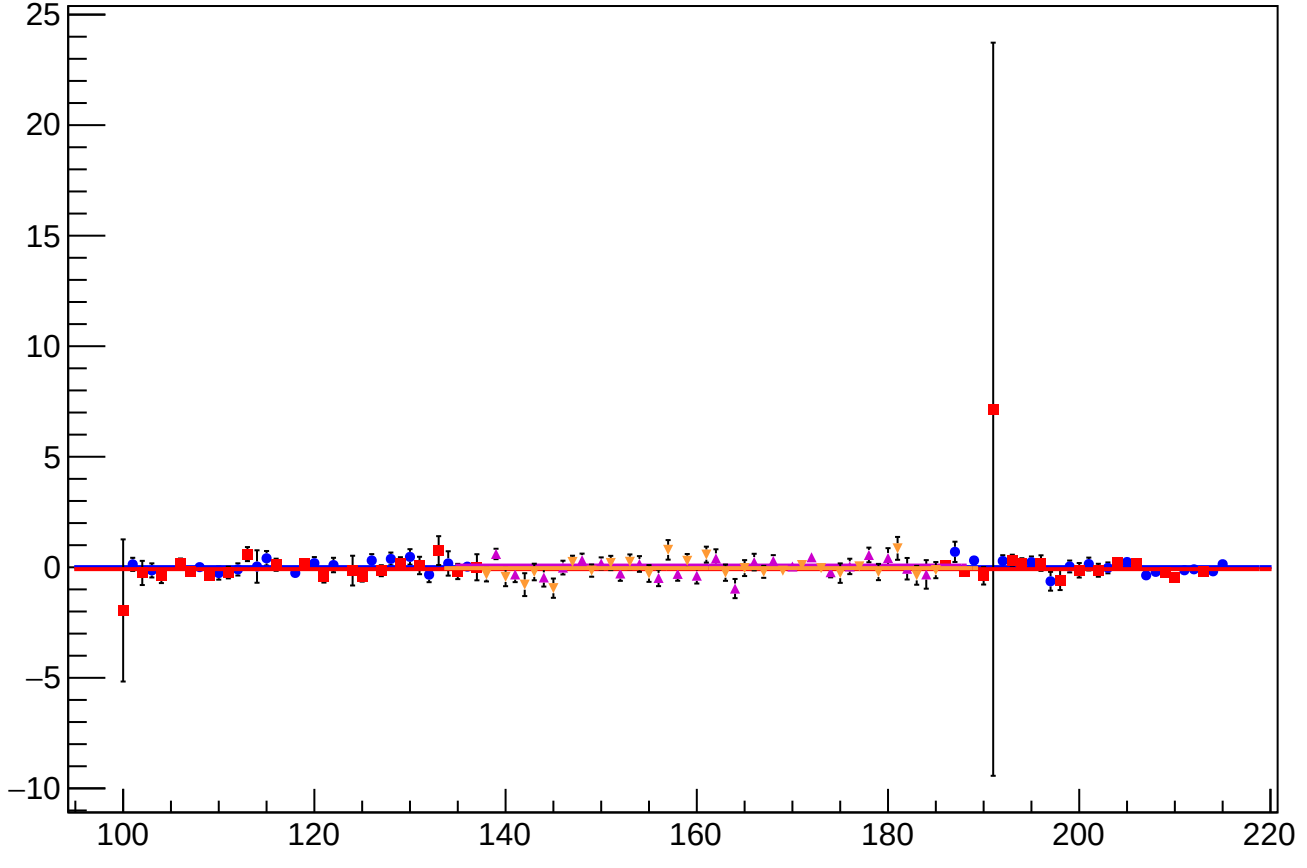
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 177.983+/-0.022 χ^2/NDF: 5815789.8/64

In: 205.254+/-0.025 χ^2/NDF:6507727.7/53

Out: 202.798+/-0.025 χ^2/NDF:8703376.7/58

All: 204.024+/-0.018 χ^2/NDF: 15215772.8/1



Right In: 0.007+/-0.043 χ^2/NDF: 30.6/30

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.084+/-0.044 χ^2/NDF: 33.3/33

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

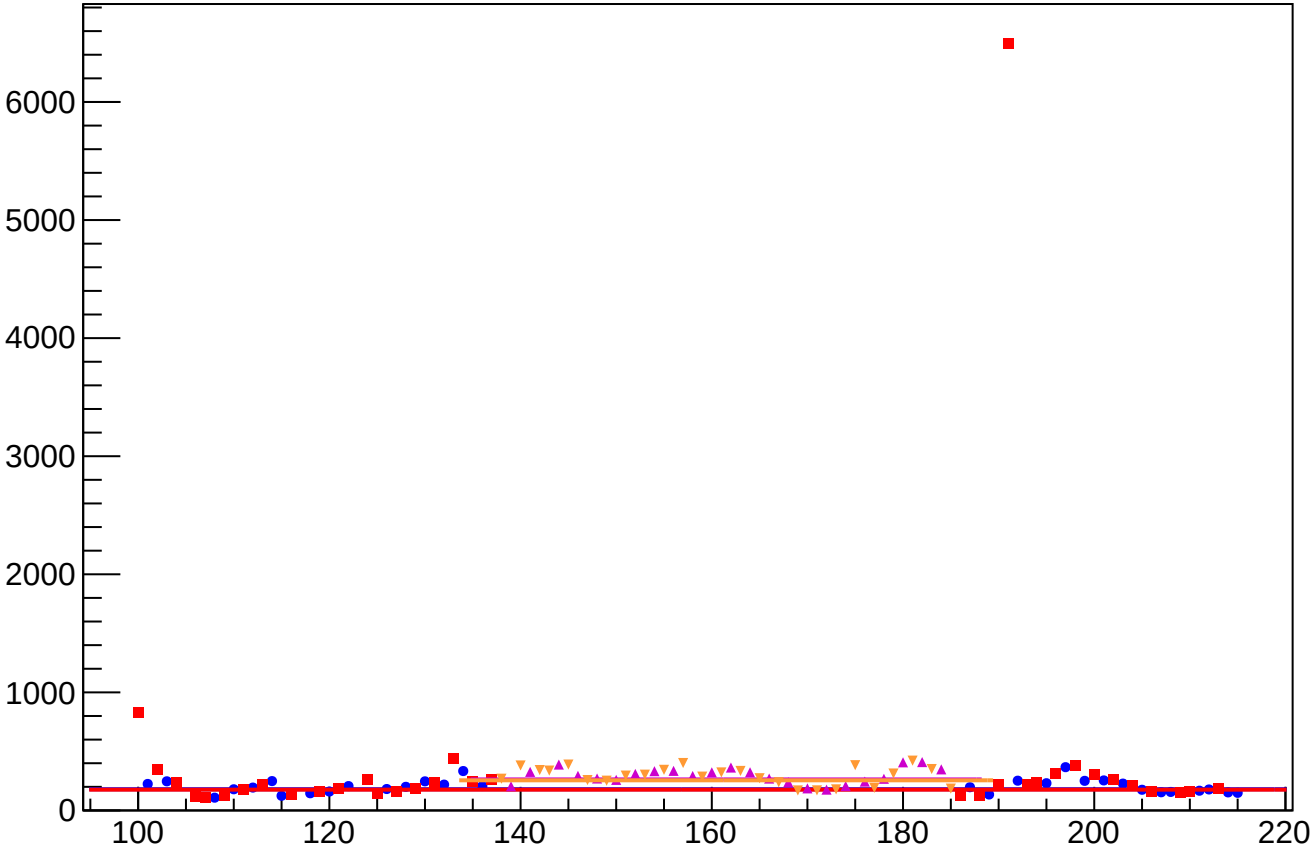
Right: -0.037+/-0.031 χ^2/NDF: 66.1/64

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.069+/-0.036 χ^2/NDF:58.1/58

All: -0.020+/-0.025 χ^2/NDF: 124.3/112

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.729+/-0.031 χ^2/NDF: 2212094.3/30

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 176.167+/-0.031 χ^2/NDF: 3597036.4/33

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

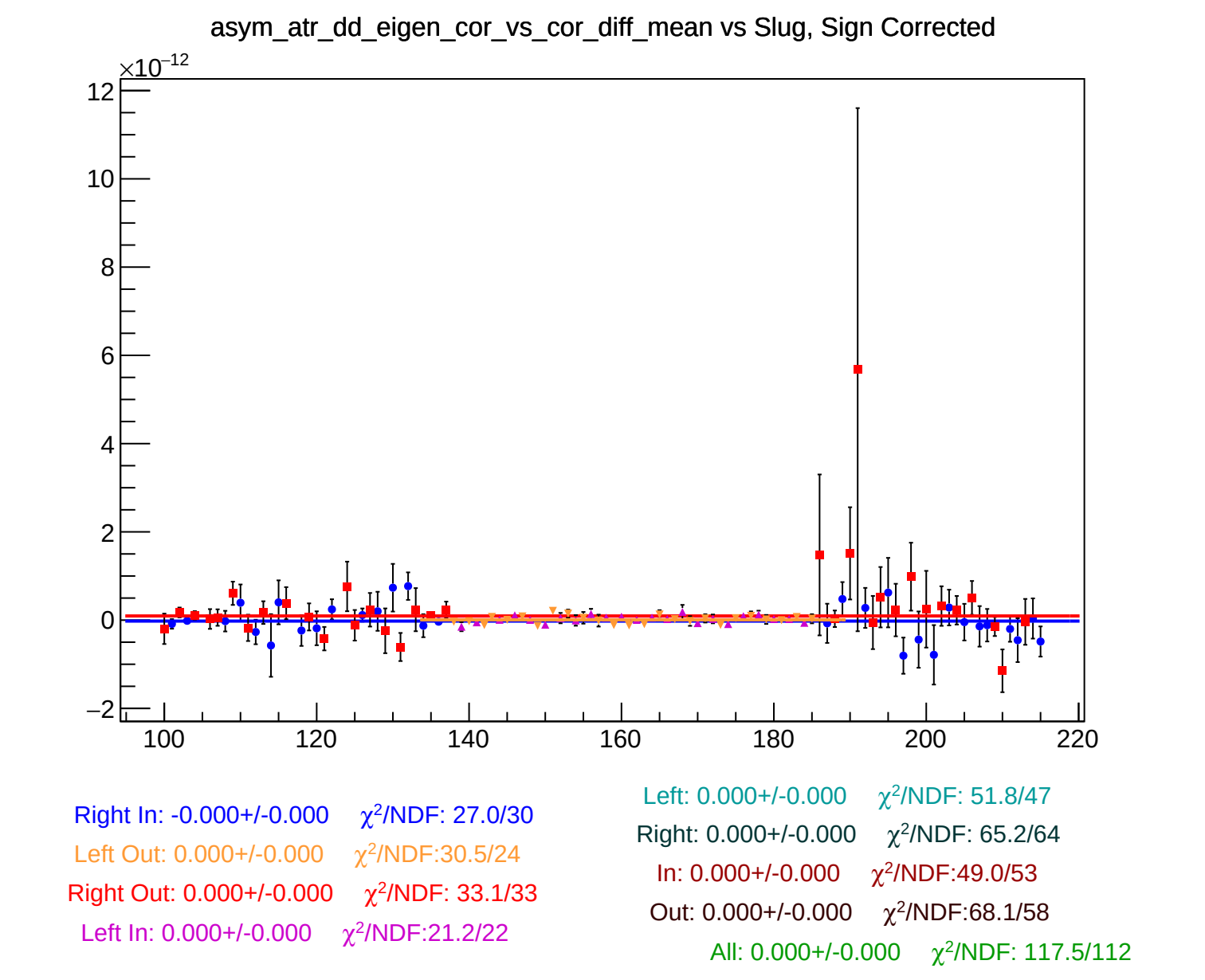
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

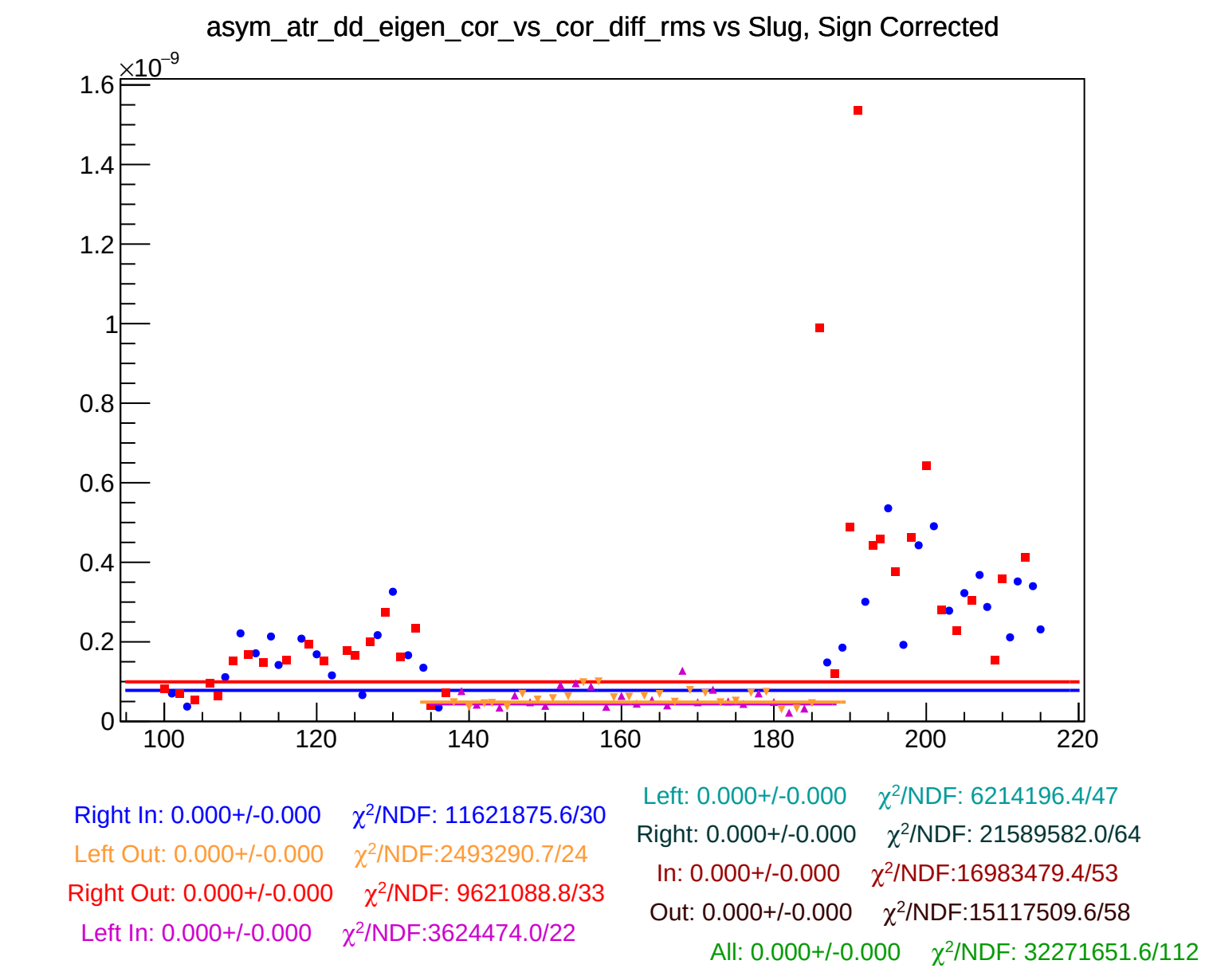
Right: 177.983+/-0.022 χ^2/NDF: 5815789.8/64

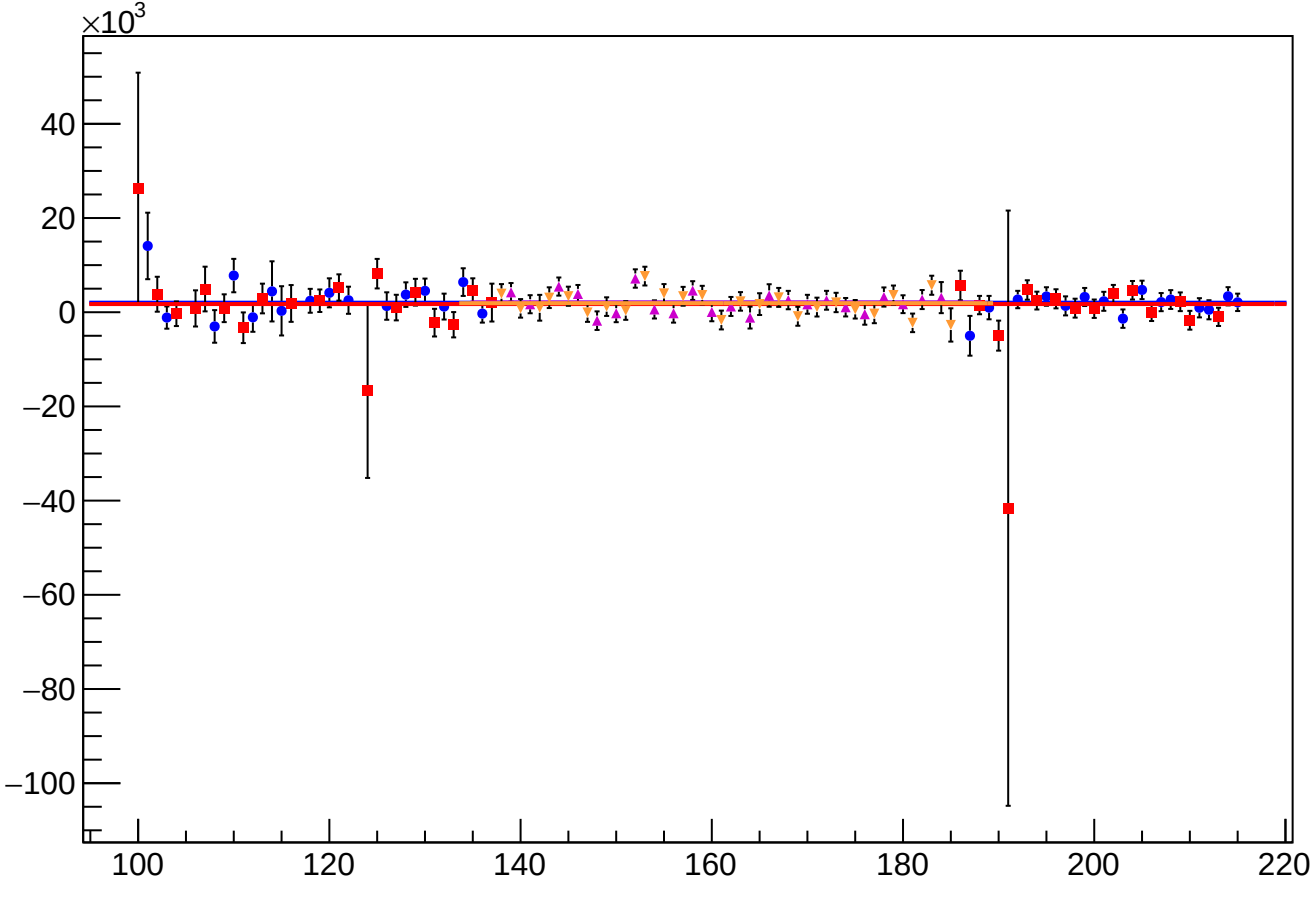
In: 205.254+/-0.025 χ^2/NDF:6507727.7/53

Out: 202.798+/-0.025 χ^2/NDF:8703376.7/58

All: 204.024+/-0.018 χ^2/NDF: 15215772.8/1


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 27.0/30
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.1/33
Left In: 0.000+/-0.000 χ²/NDF:21.2/22
Left: 0.000+/-0.000 χ²/NDF: 51.8/47
Right: 0.000+/-0.000 χ²/NDF: 65.2/64
In: 0.000+/-0.000 χ²/NDF:49.0/53
Out: 0.000+/-0.000 χ²/NDF:68.1/58
All: 0.000+/-0.000 χ²/NDF: 117.5/112


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: 11621875.6/30
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 9621088.8/33
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: 21589582.0/64
In: 0.000+/-0.000 χ²/NDF:16983479.4/53
Out: 0.000+/-0.000 χ²/NDF:15117509.6/58
All: 0.000+/-0.000 χ²/NDF: 32271651.6/112



Right In: 2027.185+/-427.771 χ^2/NDF: 26.9/30

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 1731.516+/-439.389 χ^2/NDF: 37.5/33

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

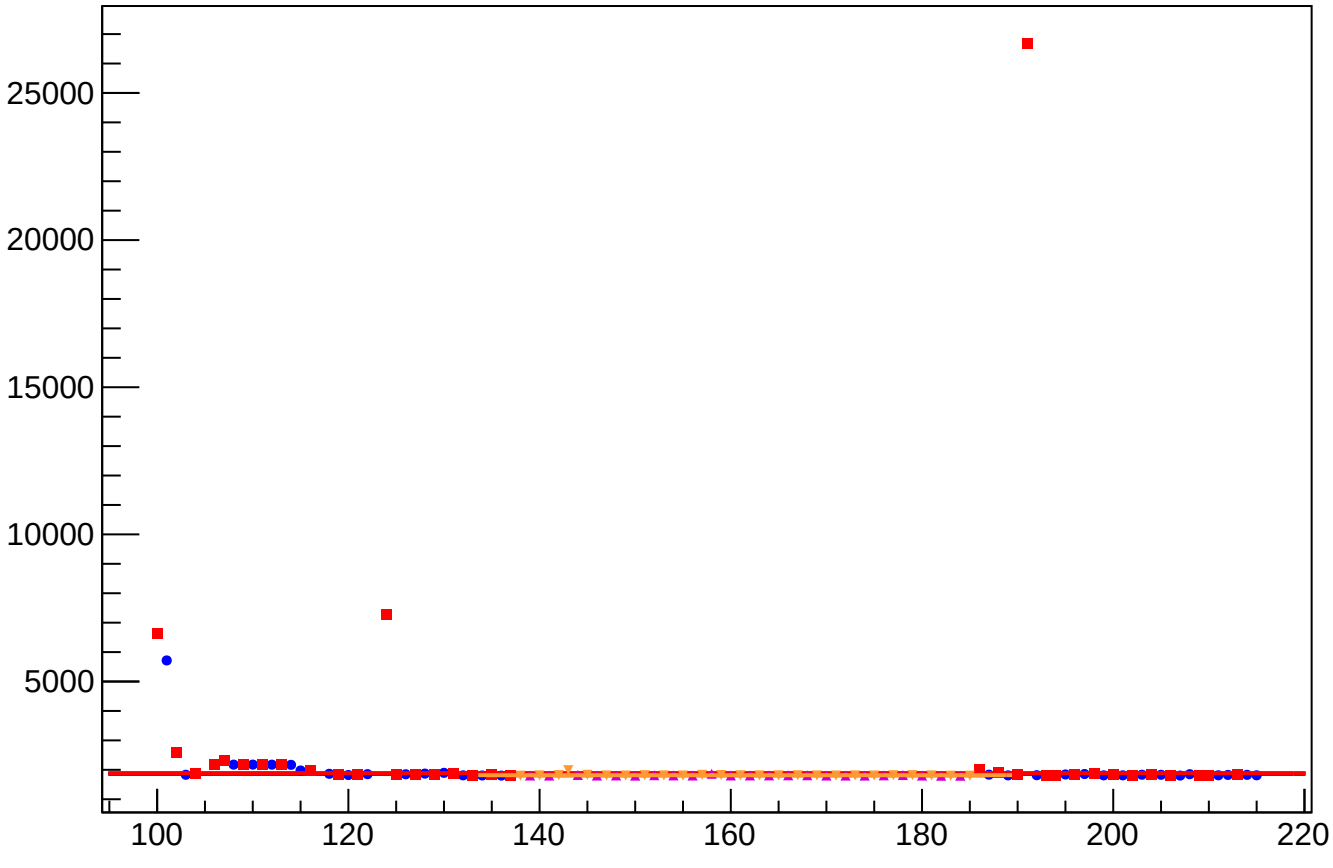
Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

Right: 1883.311+/-306.505 χ^2/NDF: 64.6/64

In: 2050.948+/-300.852 χ^2/NDF:53.4/53

Out: 1831.938+/-300.899 χ^2/NDF:70.1/58

All: 1941.460+/-212.751 χ^2/NDF: 123.8/112



Right In: 1863.084+/-0.302 χ^2/NDF: 670381.1/30

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1887.988+/-0.311 χ^2/NDF: 741337.7/33

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

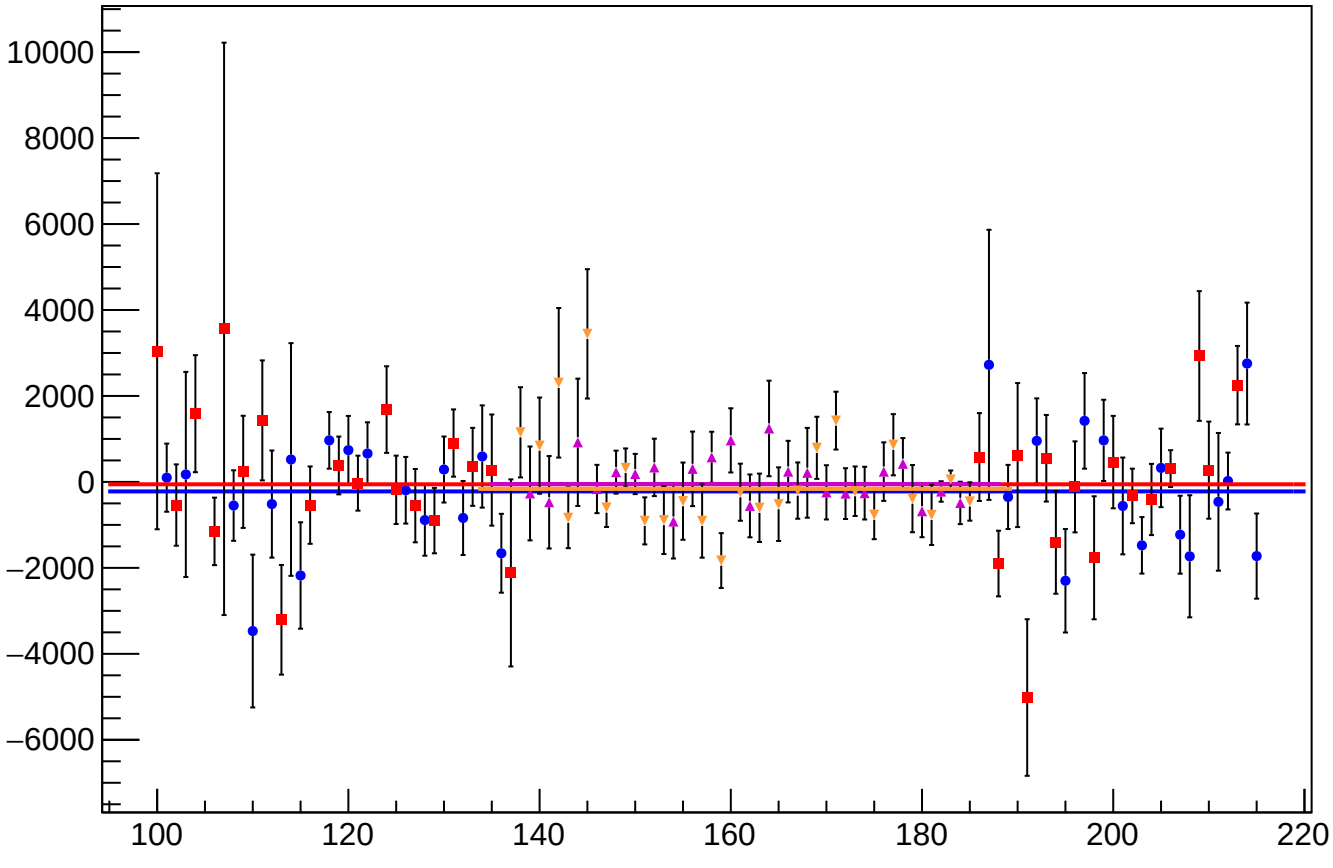
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1875.203+/-0.217 χ^2/NDF: 1415017.4/64

In: 1837.543+/-0.213 χ^2/NDF:686502.4/53

Out: 1850.570+/-0.213 χ^2/NDF:781607.1/58

All: 1844.055+/-0.150 χ^2/NDF: 1469984.0/11



Right In: -221.095+/-170.050 χ^2/NDF: 39.4/30

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -55.412+/-159.369 χ^2/NDF: 48.4/33

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

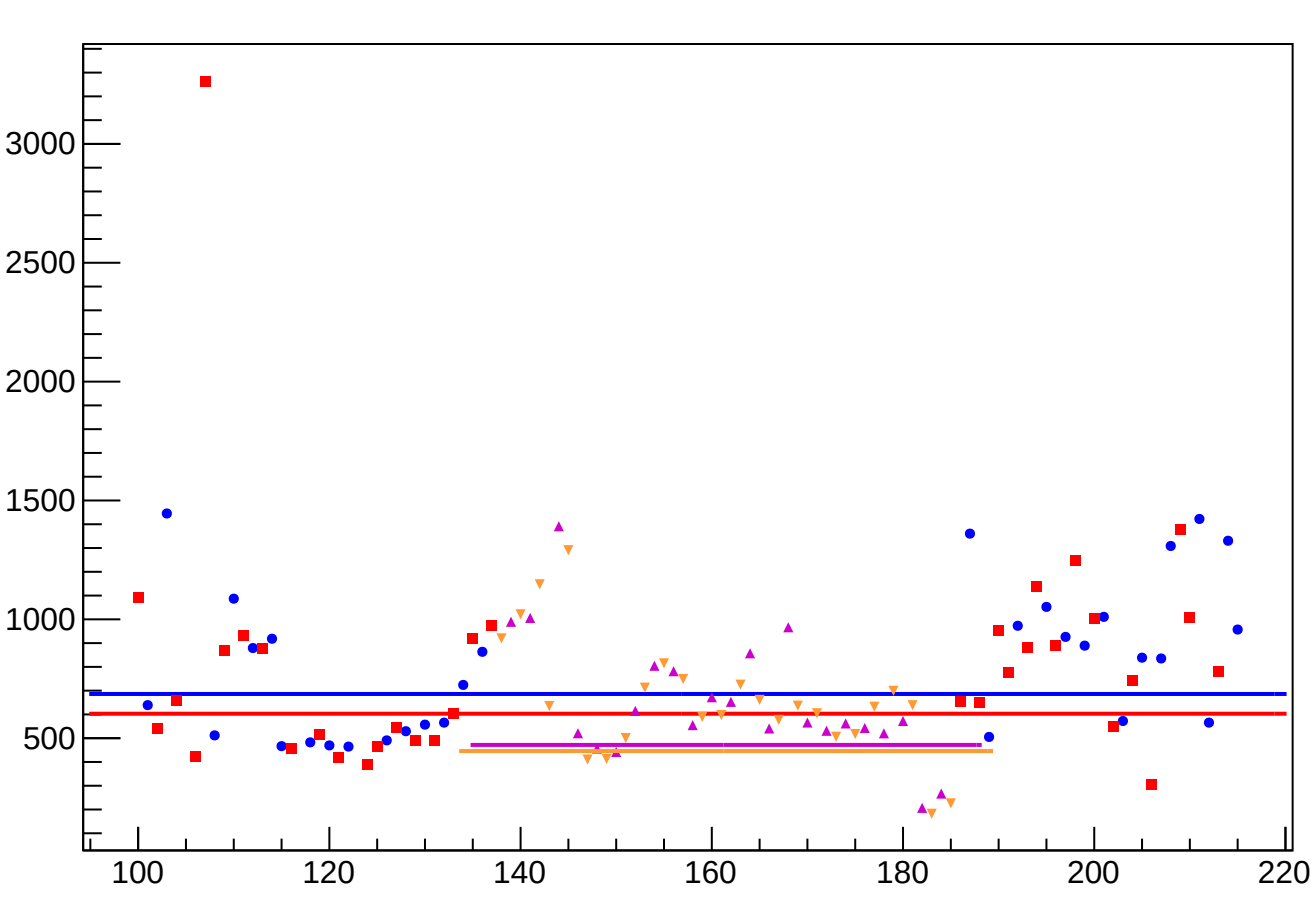
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -132.887+/-116.283 χ^2/NDF: 88.3/64

In: -108.107+/-99.497 χ^2/NDF:51.4/53

Out: -126.034+/-93.413 χ^2/NDF:85.5/58

All: -117.635+/-68.102 χ^2/NDF: 136.9/112



Right In: 686.053+/-0.120 χ^2/NDF: 3943291.1/30

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 602.976+/-0.113 χ^2/NDF: 4812403.0/33

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

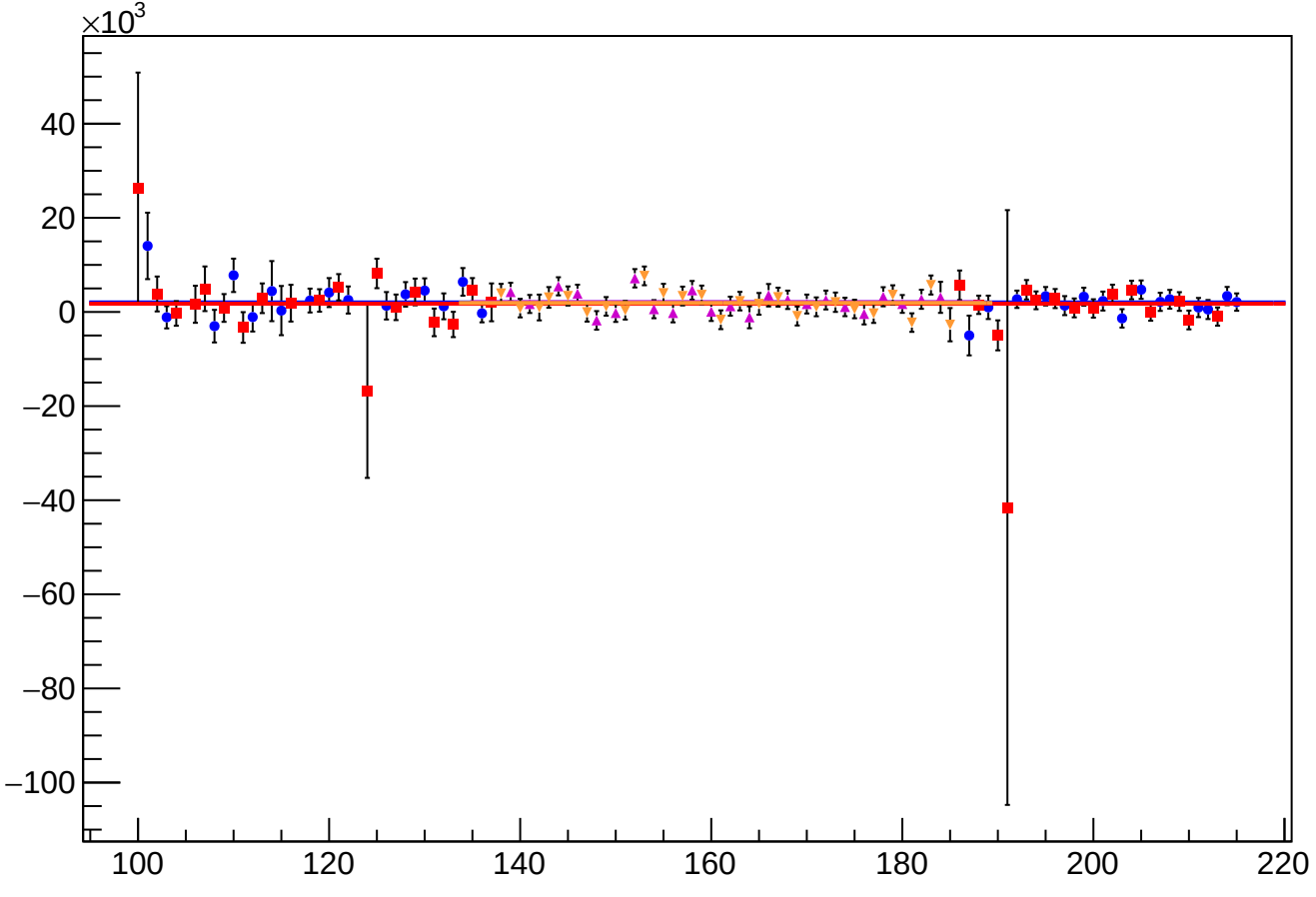
Right: 641.824+/-0.082 χ^2/NDF: 9009834.5/64

In: 545.114+/-0.070 χ^2/NDF:12446243.5/53

Out: 499.861+/-0.066 χ^2/NDF:14070333.2/58

All: 521.062+/-0.048 χ^2/NDF: 26736468.0/1

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2027.093+/-427.771 χ^2/NDF: 26.9/30

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1742.441+/-439.527 χ^2/NDF: 37.4/33

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

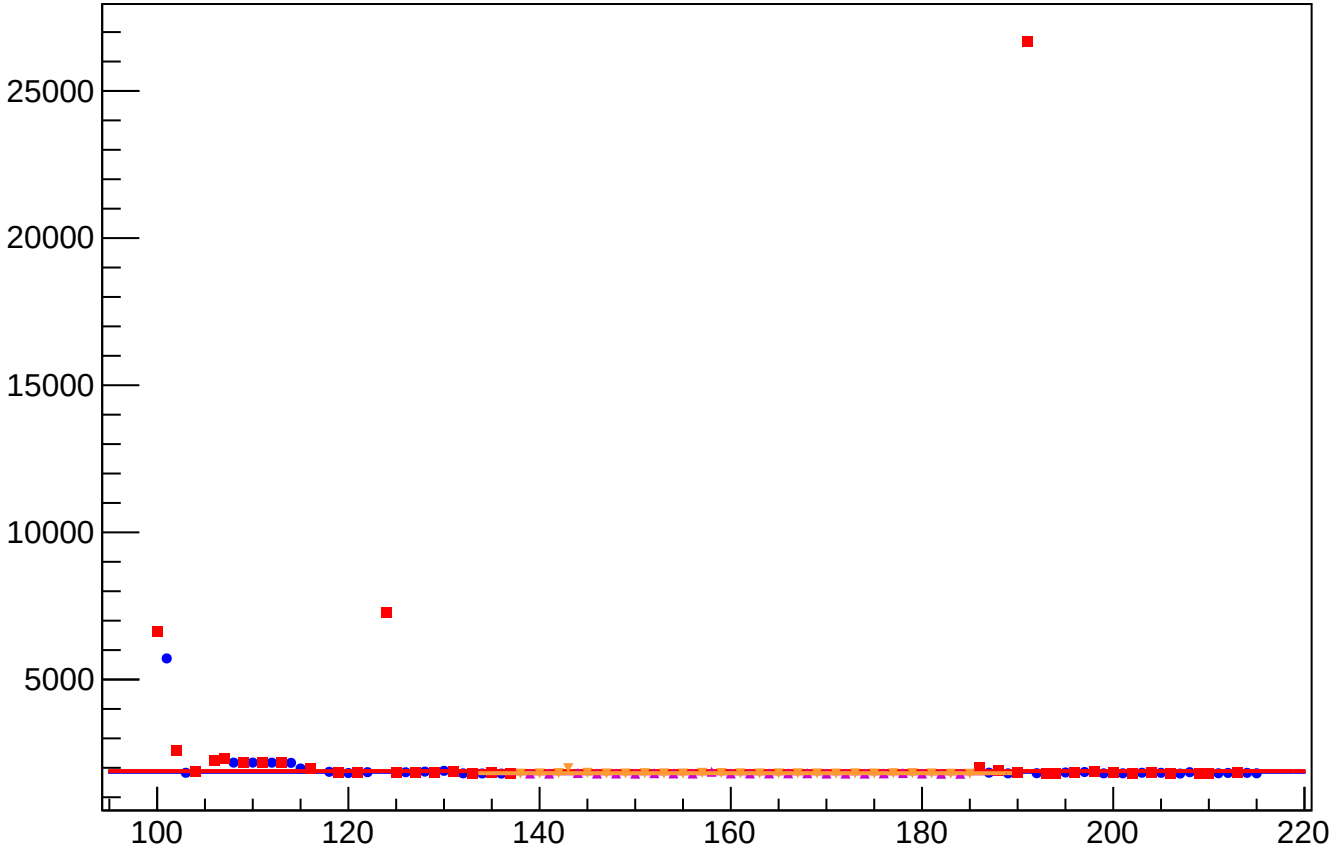
Right: 1888.624+/-306.552 χ^2/NDF: 64.5/64

In: 2050.953+/-300.852 χ^2/NDF:53.4/53

Out: 1837.070+/-300.943 χ^2/NDF:70.0/58

All: 1944.044+/-212.767 χ^2/NDF: 123.7/112

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1863.084+/-0.302 χ^2/NDF: 670381.0/30

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1888.431+/-0.311 χ^2/NDF: 745059.6/33

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

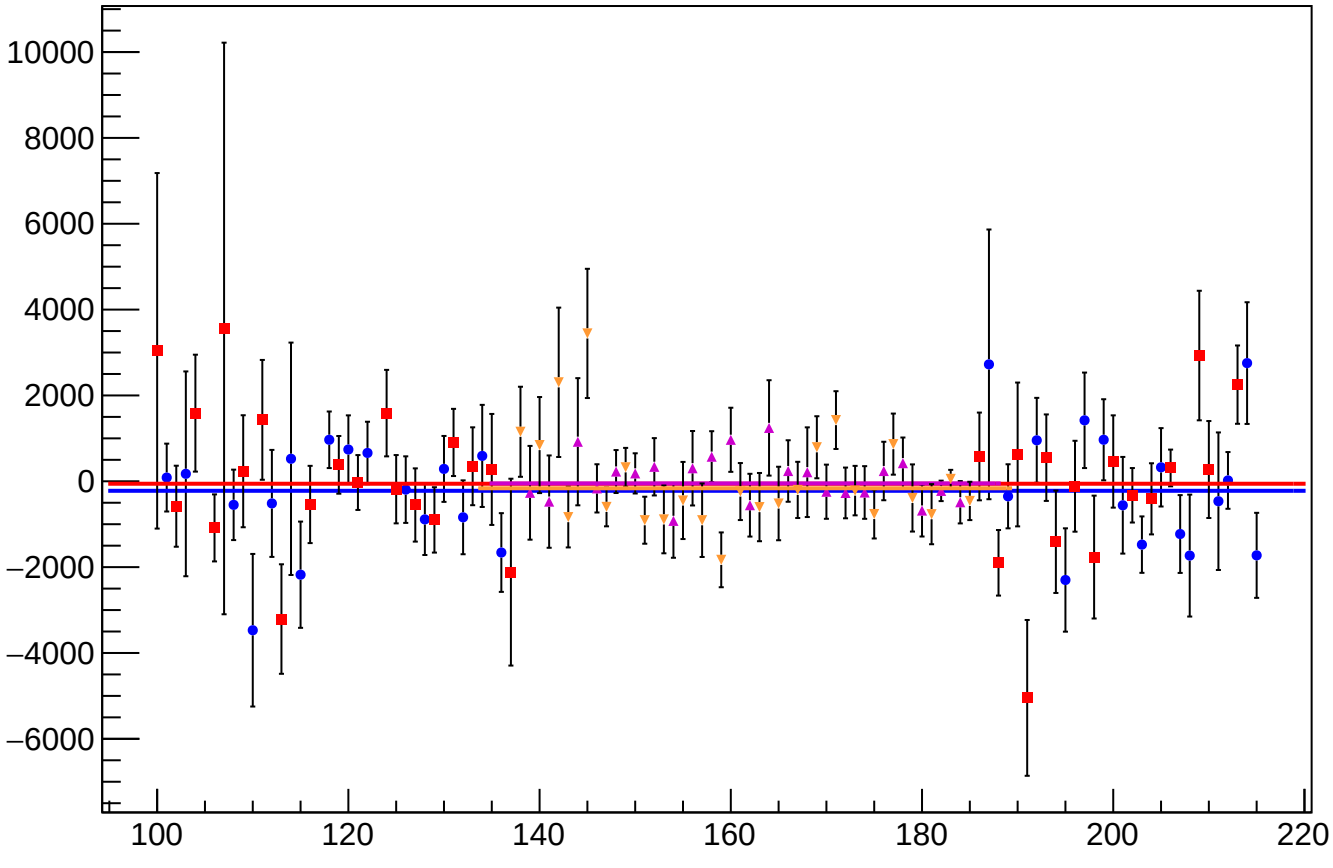
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1875.414+/-0.217 χ^2/NDF: 1418856.4/64

In: 1837.543+/-0.213 χ^2/NDF:686502.3/53

Out: 1850.766+/-0.213 χ^2/NDF:785663.8/58

All: 1844.153+/-0.150 χ^2/NDF: 1474097.3/11



Right In: -221.544+/-170.030 χ^2/NDF: 39.4/30

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -57.198+/-159.312 χ^2/NDF: 48.0/33

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

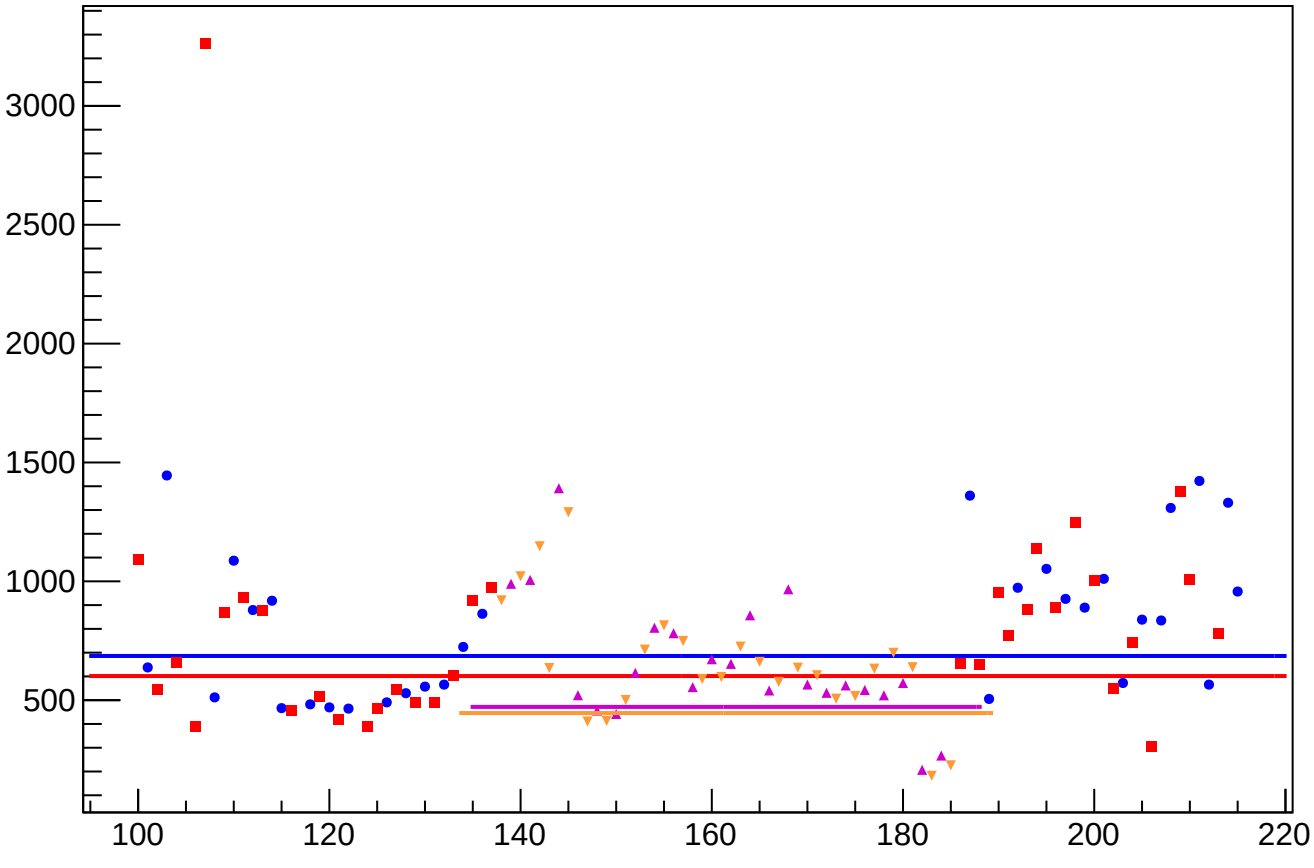
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -134.028+/-116.255 χ^2/NDF: 87.9/64

In: -108.284+/-99.495 χ^2/NDF:51.4/53

Out: -126.576+/-93.400 χ^2/NDF:85.2/58

All: -118.008+/-68.096 χ^2/NDF: 136.6/112



Right In: 685.979+/-0.120 χ^2/NDF: 3943815.7/30

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 601.576+/-0.113 χ^2/NDF: 4856251.7/33

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

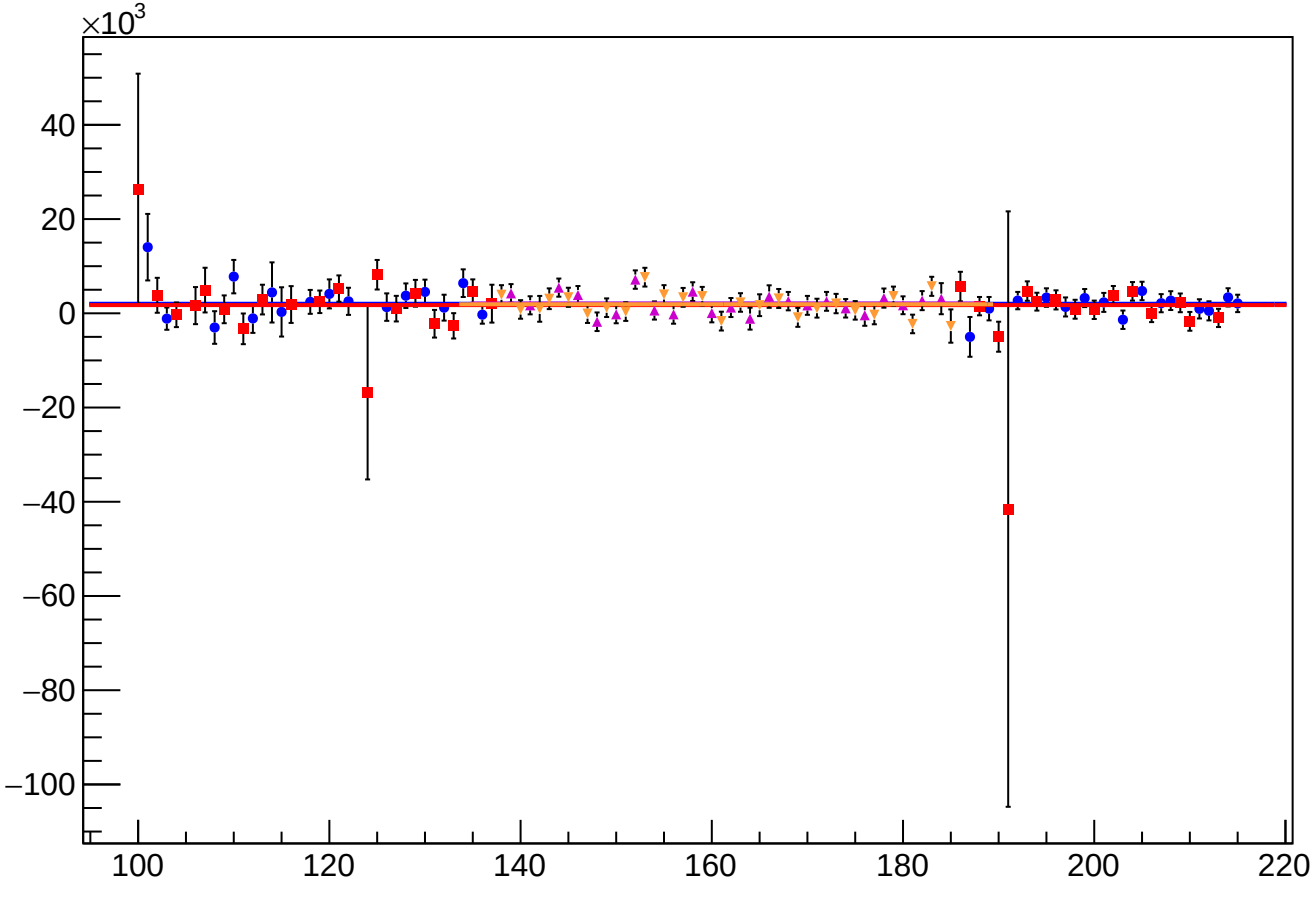
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 641.034+/-0.082 χ^2/NDF: 9062505.7/64

In: 545.109+/-0.070 χ^2/NDF:12445171.2/53

Out: 499.386+/-0.066 χ^2/NDF:14094004.0/58

All: 520.804+/-0.048 χ^2/NDF: 26763698.4/11



Right In: 2027.093+/-427.771 χ^2/NDF: 26.9/30

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 1742.441+/-439.527 χ^2/NDF: 37.4/33

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

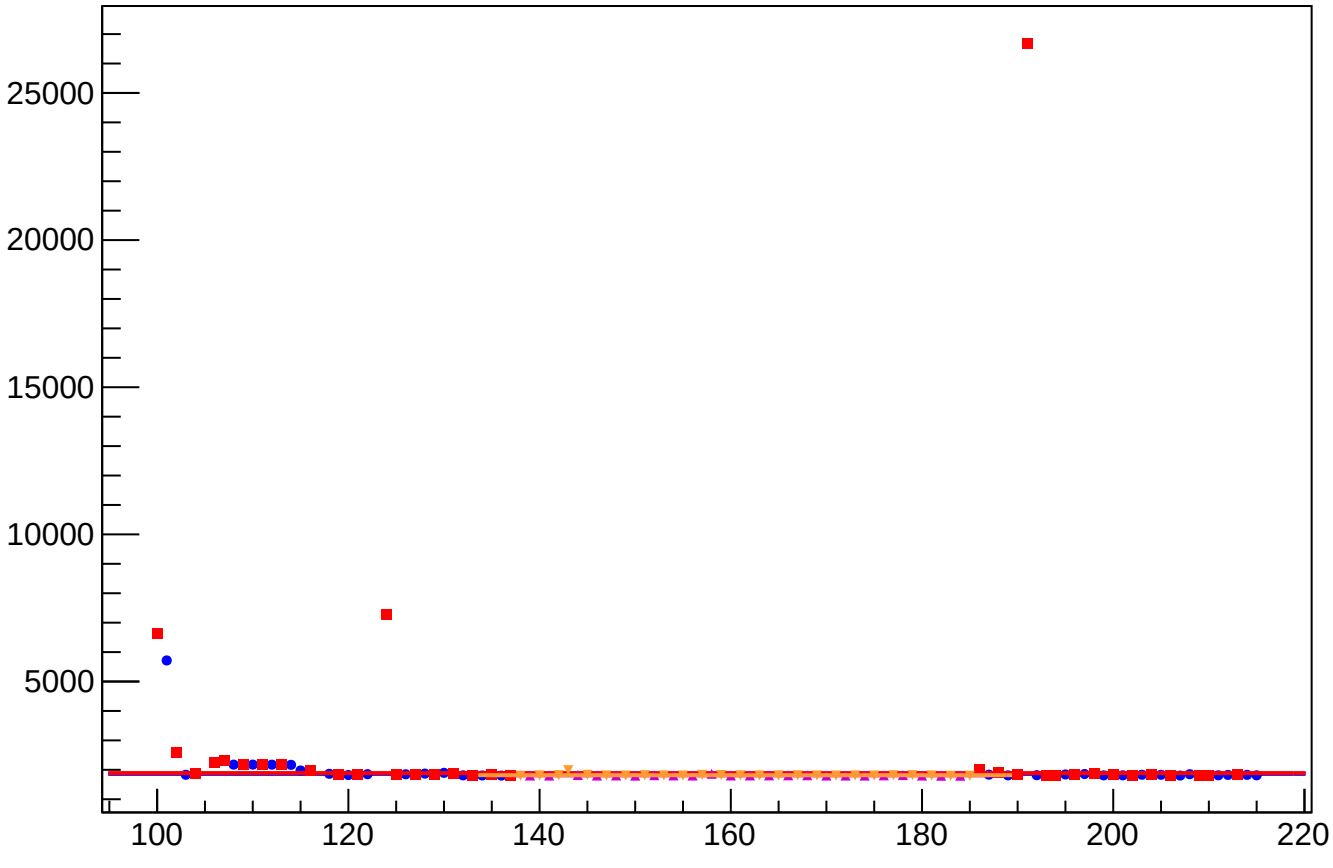
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1888.624+/-306.552 χ^2/NDF: 64.5/64

In: 2050.953+/-300.852 χ^2/NDF:53.4/53

Out: 1837.070+/-300.943 χ^2/NDF:70.0/58

All: 1944.044+/-212.767 χ^2/NDF: 123.7/112



Right In: 1863.084+/-0.302 χ^2/NDF: 670381.0/30

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1888.431+/-0.311 χ^2/NDF: 745059.6/33

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

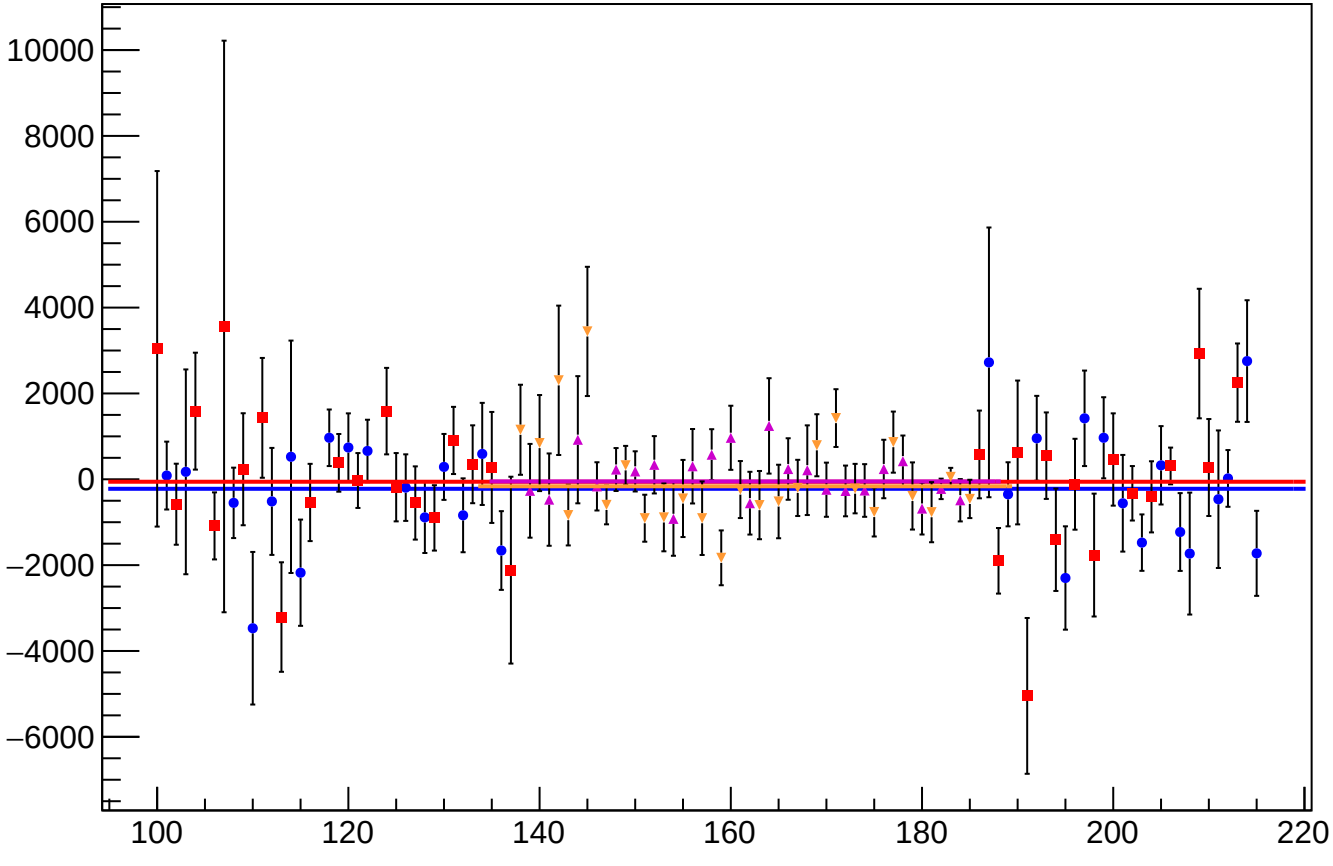
Right: 1875.414+/-0.217 χ^2/NDF: 1418856.4/64

In: 1837.543+/-0.213 χ^2/NDF:686502.3/53

Out: 1850.766+/-0.213 χ^2/NDF:785663.8/58

All: 1844.153+/-0.150 χ^2/NDF: 1474097.3/11

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -221.544+/-170.030 χ^2/NDF: 39.4/30

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -57.198+/-159.312 χ^2/NDF: 48.0/33

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

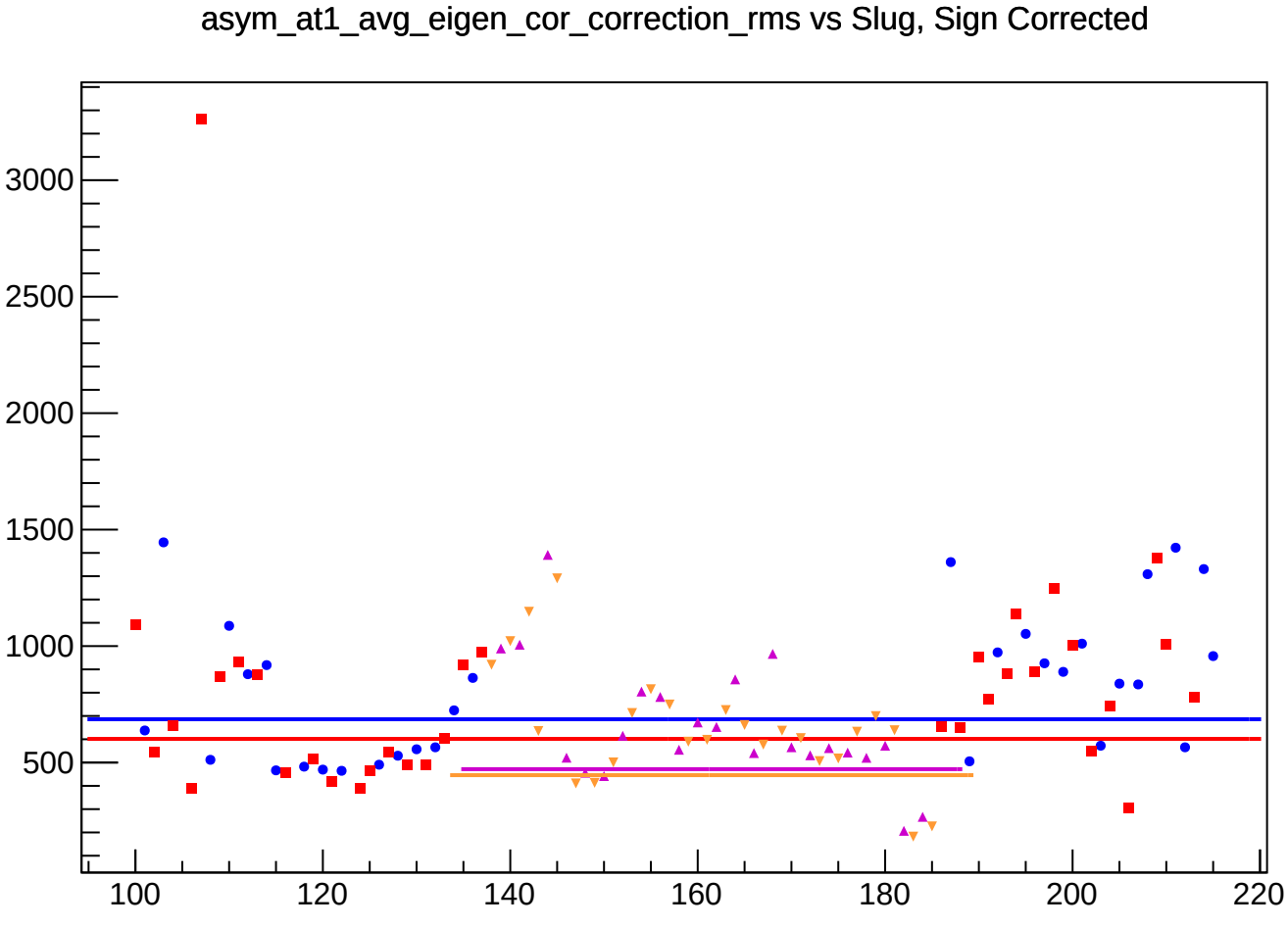
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

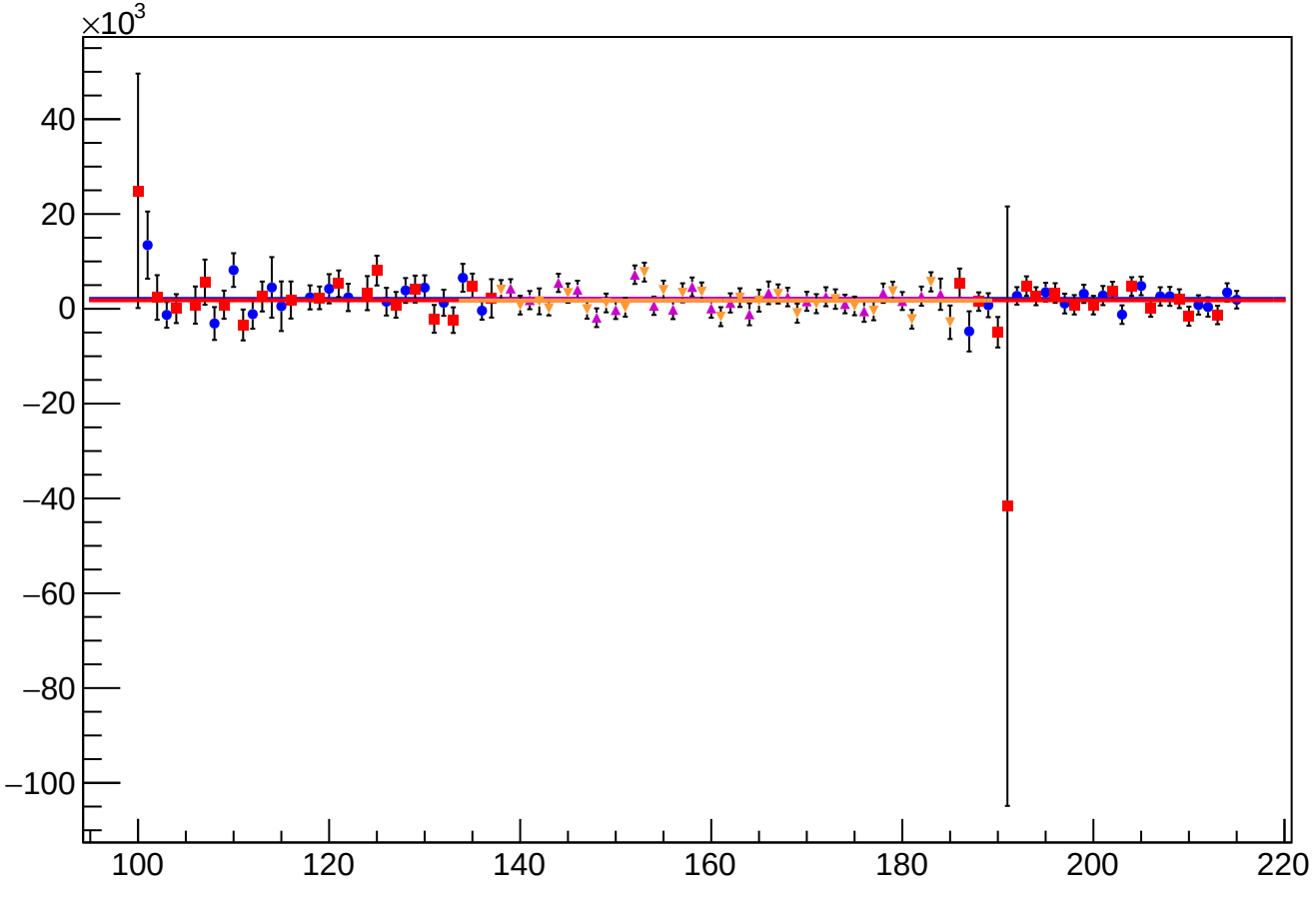
Right: -134.028+/-116.255 χ^2/NDF: 87.9/64

In: -108.284+/-99.495 χ^2/NDF:51.4/53

Out: -126.576+/-93.400 χ^2/NDF:85.2/58

All: -118.008+/-68.096 χ^2/NDF: 136.6/112


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: 685.979+/-0.120 χ²/NDF: 3943815.7/30
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 601.576+/-0.113 χ²/NDF: 4856251.7/33
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 641.034+/-0.082 χ²/NDF: 9062505.7/64
In: 545.109+/-0.070 χ²/NDF:12445171.2/53
Out: 499.386+/-0.066 χ²/NDF:14094004.0/58
All: 520.804+/-0.048 χ²/NDF: 26763698.4/11



Right In: 2086.977+/-431.526 χ^2/NDF: 27.2/30

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1802.102+/-441.891 χ^2/NDF: 35.6/33

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

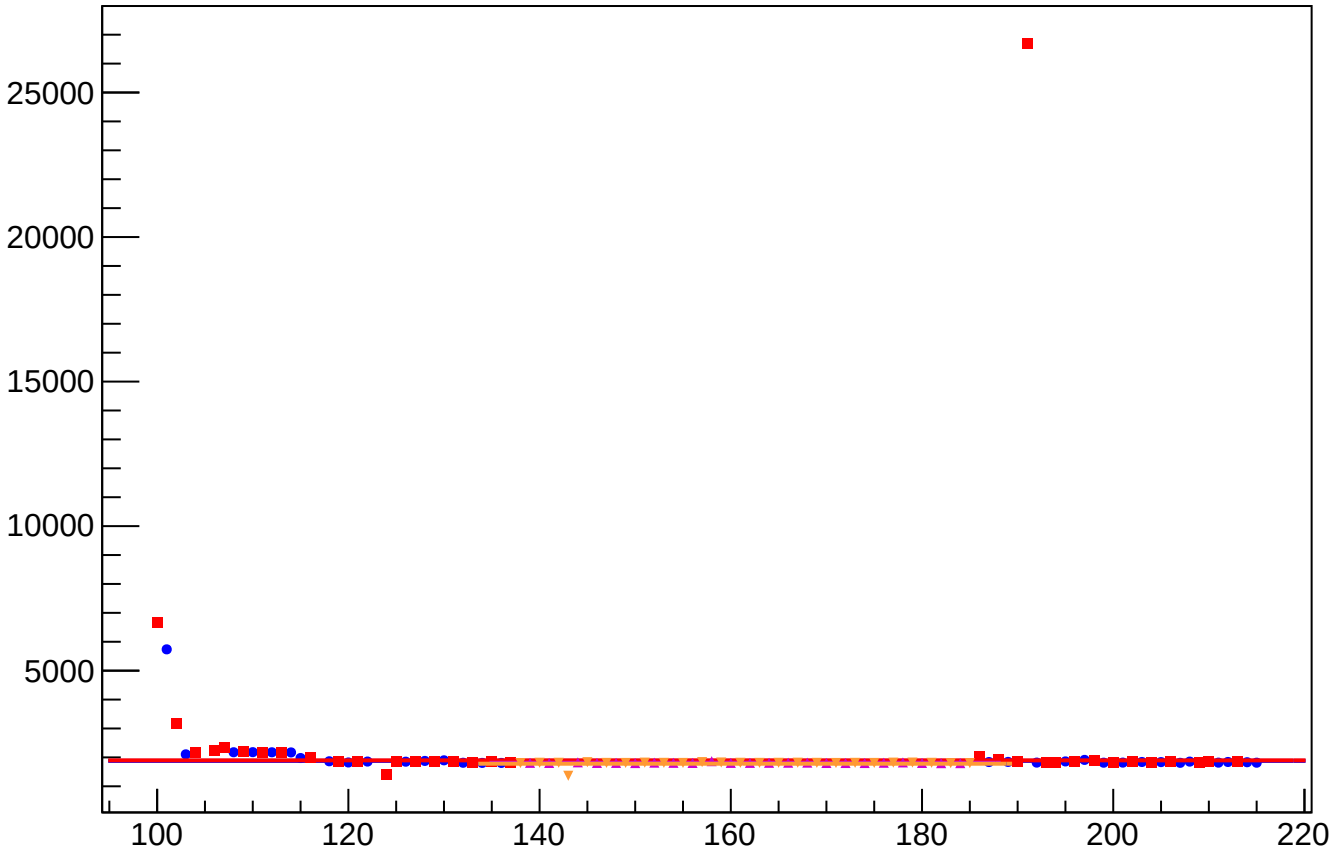
Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

Right: 1947.920+/-308.735 χ^2/NDF: 63.0/64

In: 2080.084+/-302.311 χ^2/NDF:54.2/53

Out: 1776.794+/-298.731 χ^2/NDF:69.4/58

All: 1926.632+/-212.489 χ^2/NDF: 124.1/112



Right In: 1878.909+/-0.305 χ^2/NDF: 683203.1/30

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1897.302+/-0.312 χ^2/NDF: 698137.1/33

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

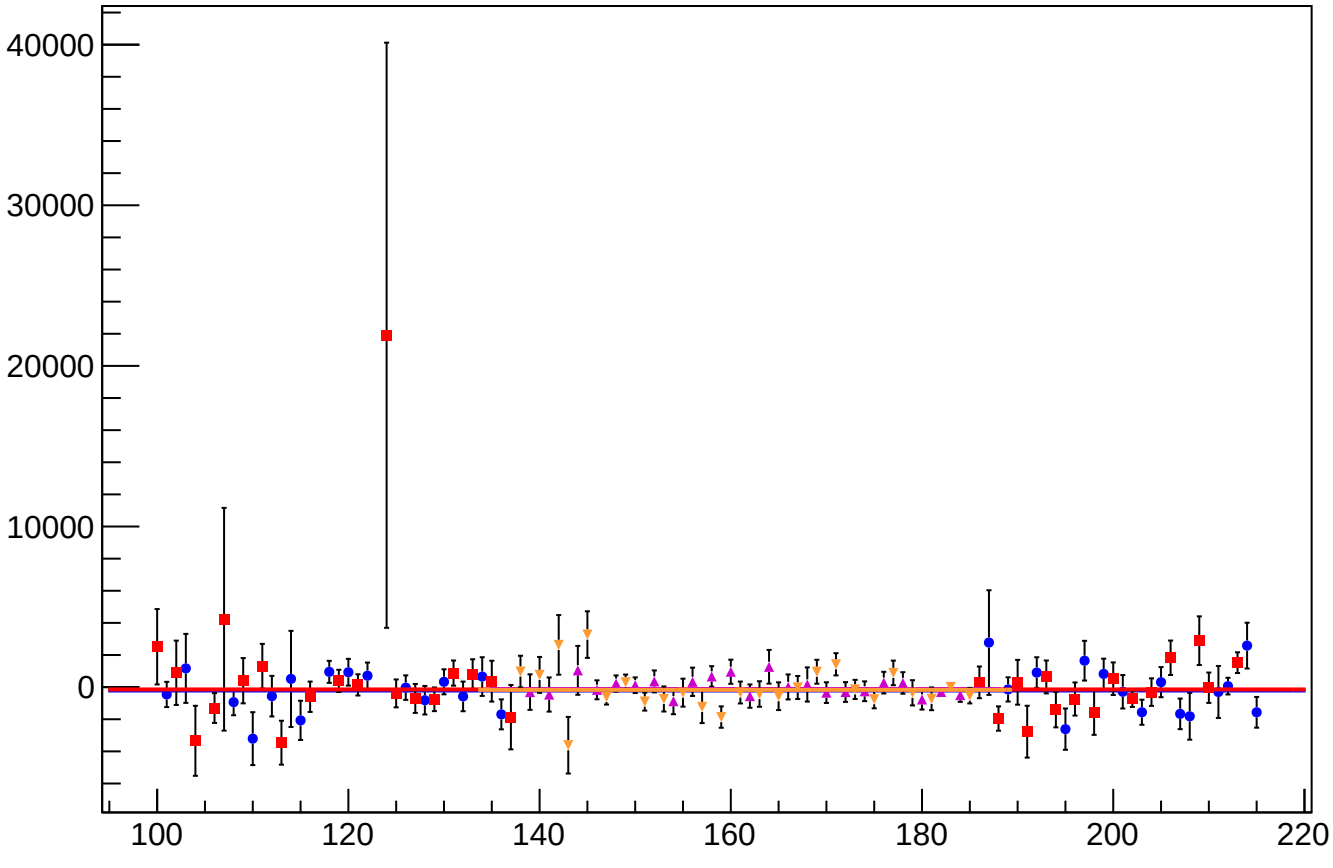
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1887.887+/-0.218 χ^2/NDF: 1383113.7/64

In: 1846.078+/-0.214 χ^2/NDF:708032.9/53

Out: 1834.104+/-0.211 χ^2/NDF:938411.3/58

All: 1840.020+/-0.150 χ^2/NDF: 1648031.5/11



Right In: -209.069+/-171.322 χ^2/NDF: 39.4/30

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -143.093+/-168.795 χ^2/NDF: 48.0/33

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

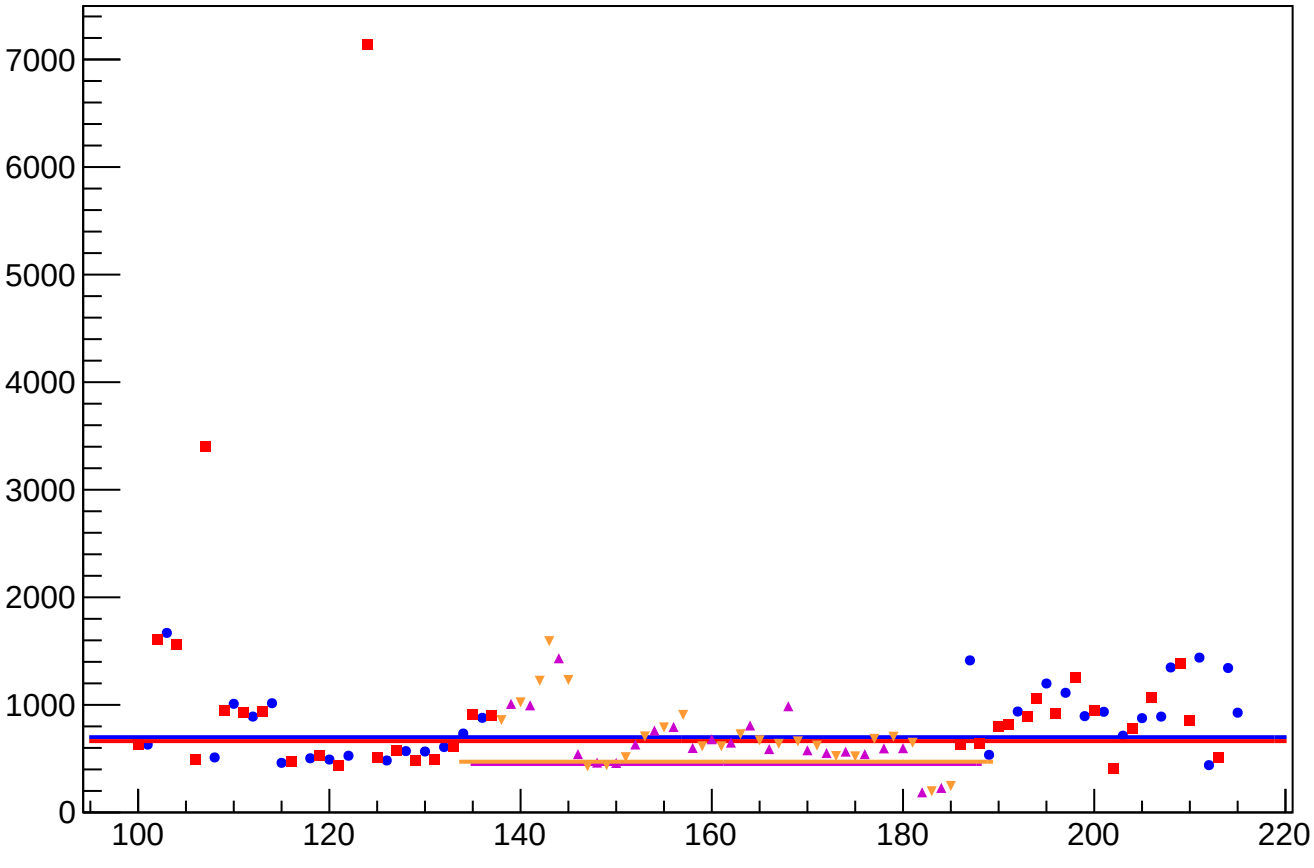
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -175.591+/-120.240 χ^2/NDF: 87.5/64

In: -147.367+/-98.162 χ^2/NDF:51.9/53

Out: -159.427+/-98.679 χ^2/NDF:86.3/58

All: -153.366+/-69.593 χ^2/NDF: 138.3/112



Right In: 699.617+/-0.121 χ^2/NDF: 4492301.5/30

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 663.192+/-0.119 χ^2/NDF: 4999310.5/33

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

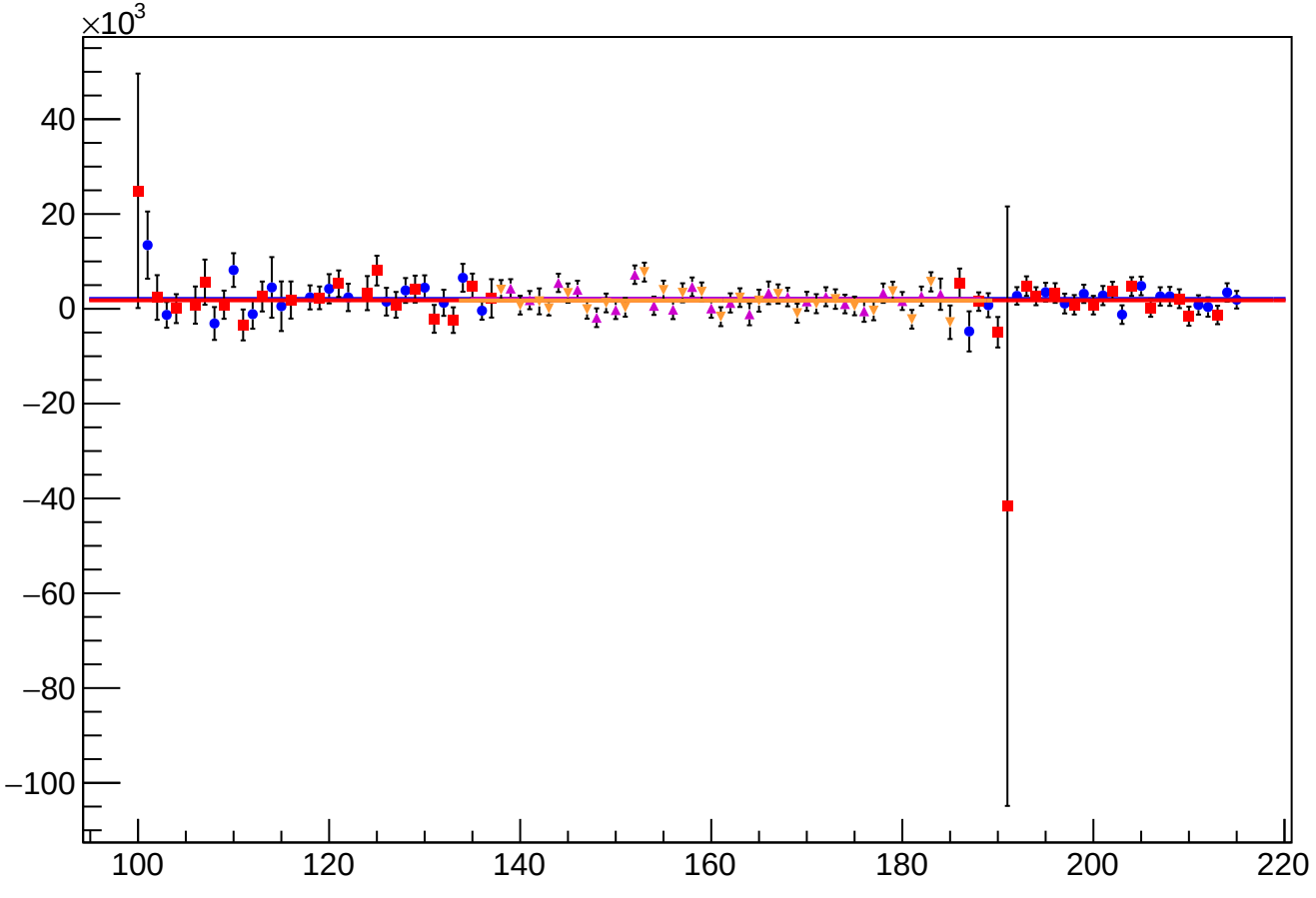
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 681.134+/-0.085 χ^2/NDF: 9537487.1/64

In: 532.386+/-0.069 χ^2/NDF:15257647.9/53

Out: 537.196+/-0.070 χ^2/NDF:14804919.6/58

All: 534.778+/-0.049 χ^2/NDF: 30064956.5/1



Right In: 2086.976+/-431.526 χ^2/NDF: 27.2/30

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 1802.101+/-441.891 χ^2/NDF: 35.6/33

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

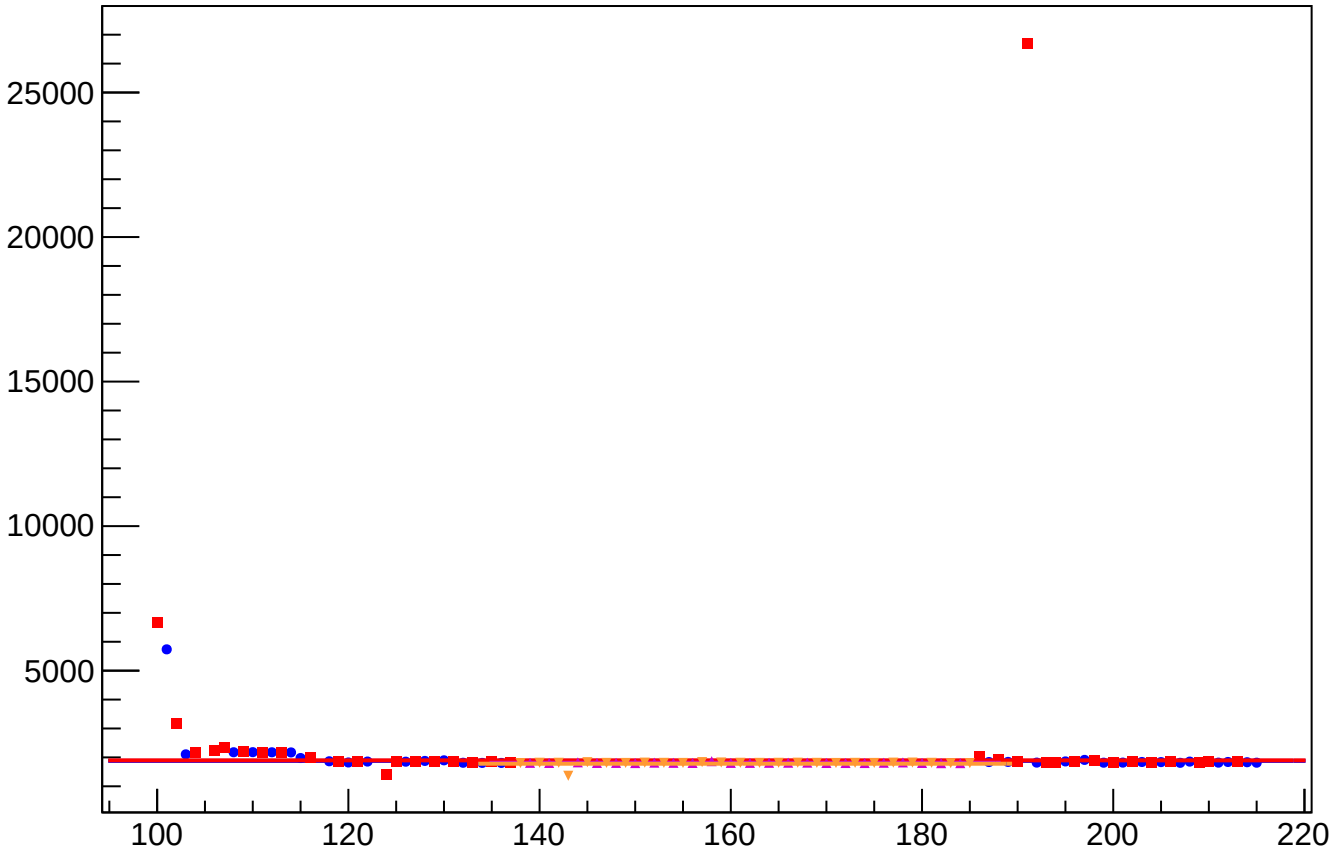
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1947.919+/-308.734 χ^2/NDF: 63.0/64

In: 2080.084+/-302.311 χ^2/NDF:54.2/53

Out: 1776.794+/-298.731 χ^2/NDF:69.4/58

All: 1926.632+/-212.489 χ^2/NDF: 124.1/112



Right In: 1878.909+/-0.305 χ^2/NDF: 683202.6/30

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1897.302+/-0.312 χ^2/NDF: 698135.7/33

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

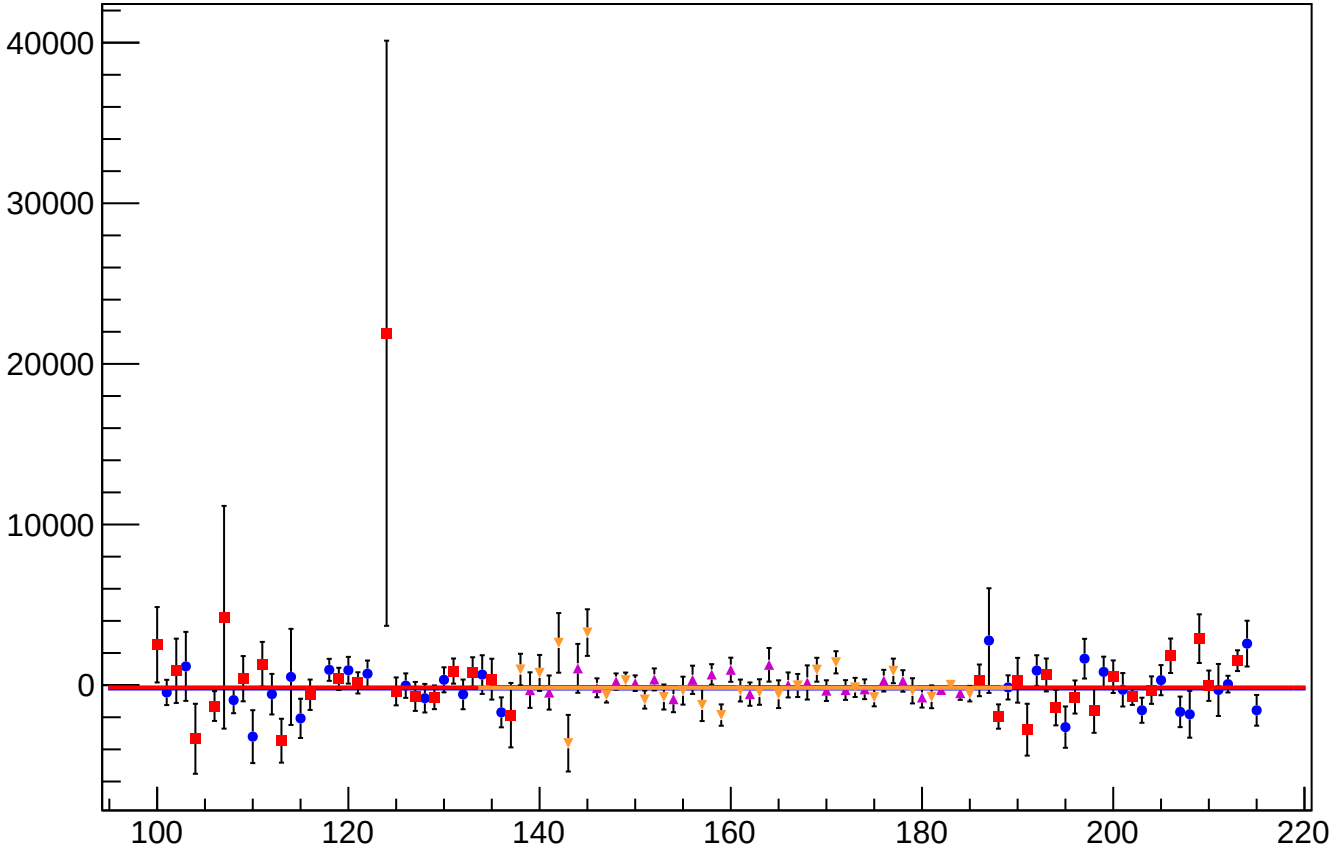
Right: 1887.887+/-0.218 χ^2/NDF: 1383111.8/64

In: 1846.078+/-0.214 χ^2/NDF:708032.4/53

Out: 1834.104+/-0.211 χ^2/NDF:938409.7/58

All: 1840.020+/-0.150 χ^2/NDF: 1648029.5/11

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -209.069+/-171.322 χ^2/NDF: 39.4/30

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -143.093+/-168.796 χ^2/NDF: 48.0/33

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

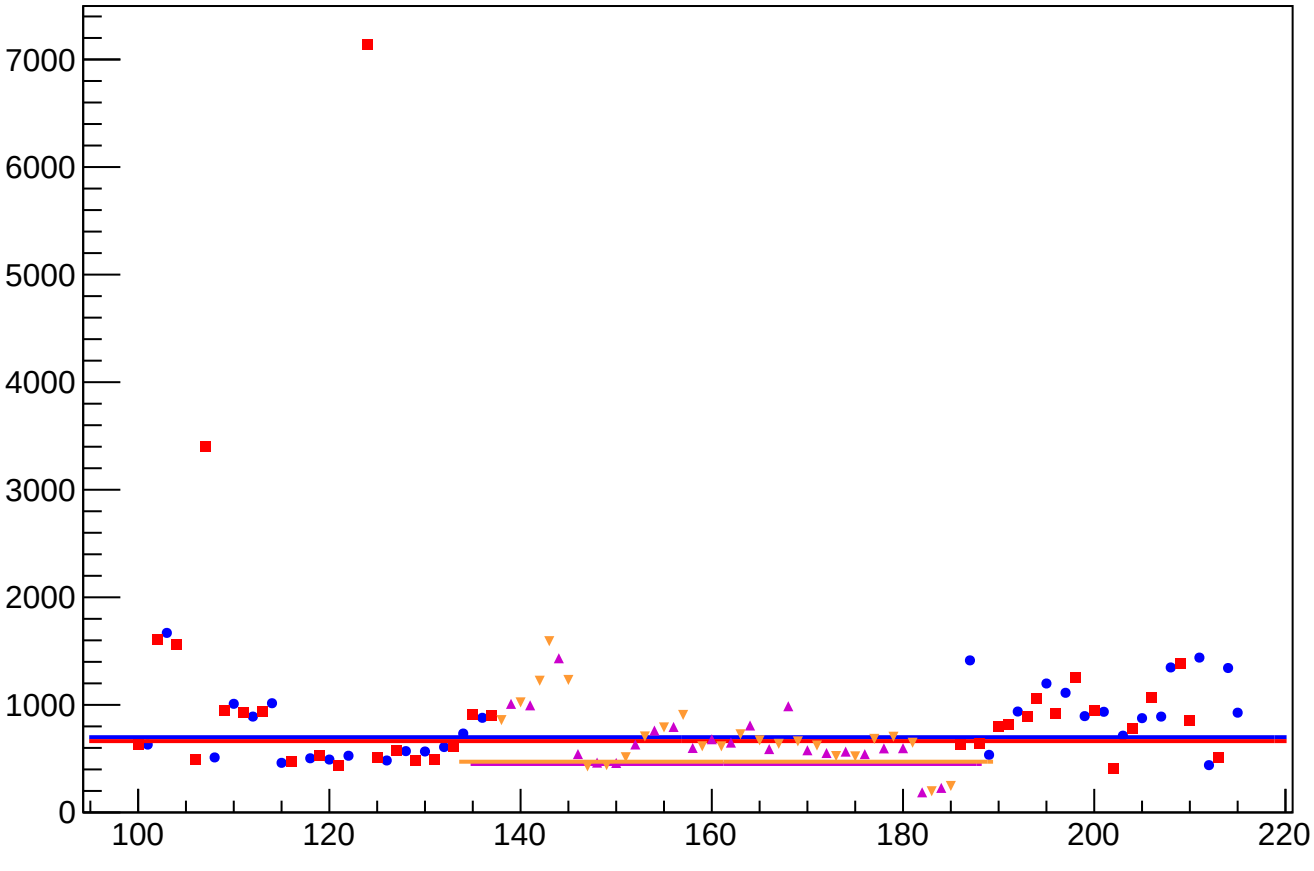
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -175.591+/-120.240 χ^2/NDF: 87.5/64

In: -147.368+/-98.162 χ^2/NDF:51.9/53

Out: -159.428+/-98.679 χ^2/NDF:86.3/58

All: -153.366+/-69.593 χ^2/NDF: 138.3/112



Right In: 699.617+/-0.121 χ^2/NDF: 4492332.1/30

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 663.192+/-0.119 χ^2/NDF: 4999326.5/33

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

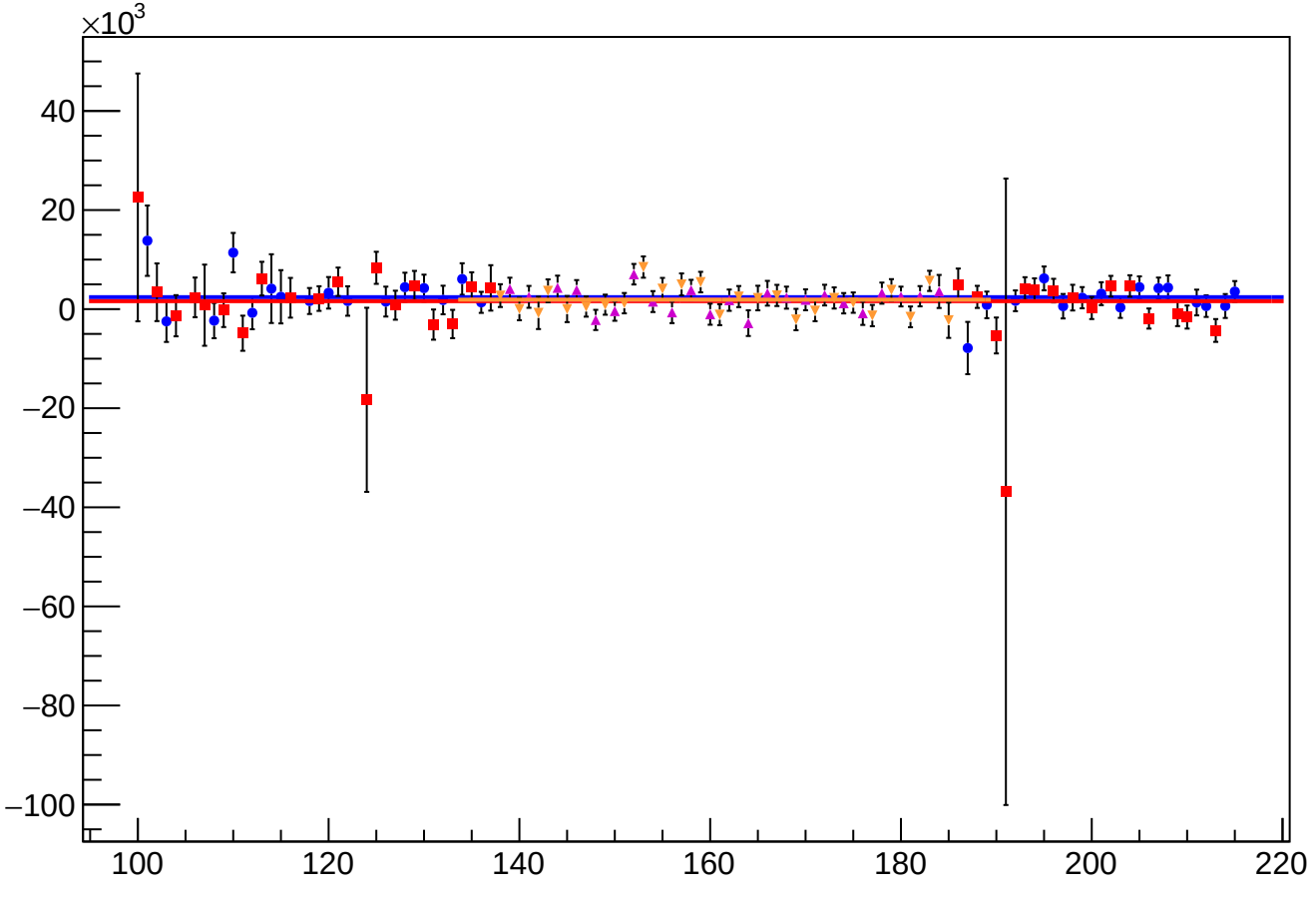
Right: 681.134+/-0.085 χ^2/NDF: 9537532.3/64

In: 532.386+/-0.069 χ^2/NDF:15257628.7/53

Out: 537.197+/-0.070 χ^2/NDF:14804921.3/58

All: 534.779+/-0.049 χ^2/NDF: 30064938.8/1

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2418.014+/-485.908 χ^2/NDF: 26.8/30

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 1606.230+/-500.824 χ^2/NDF: 47.1/33

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

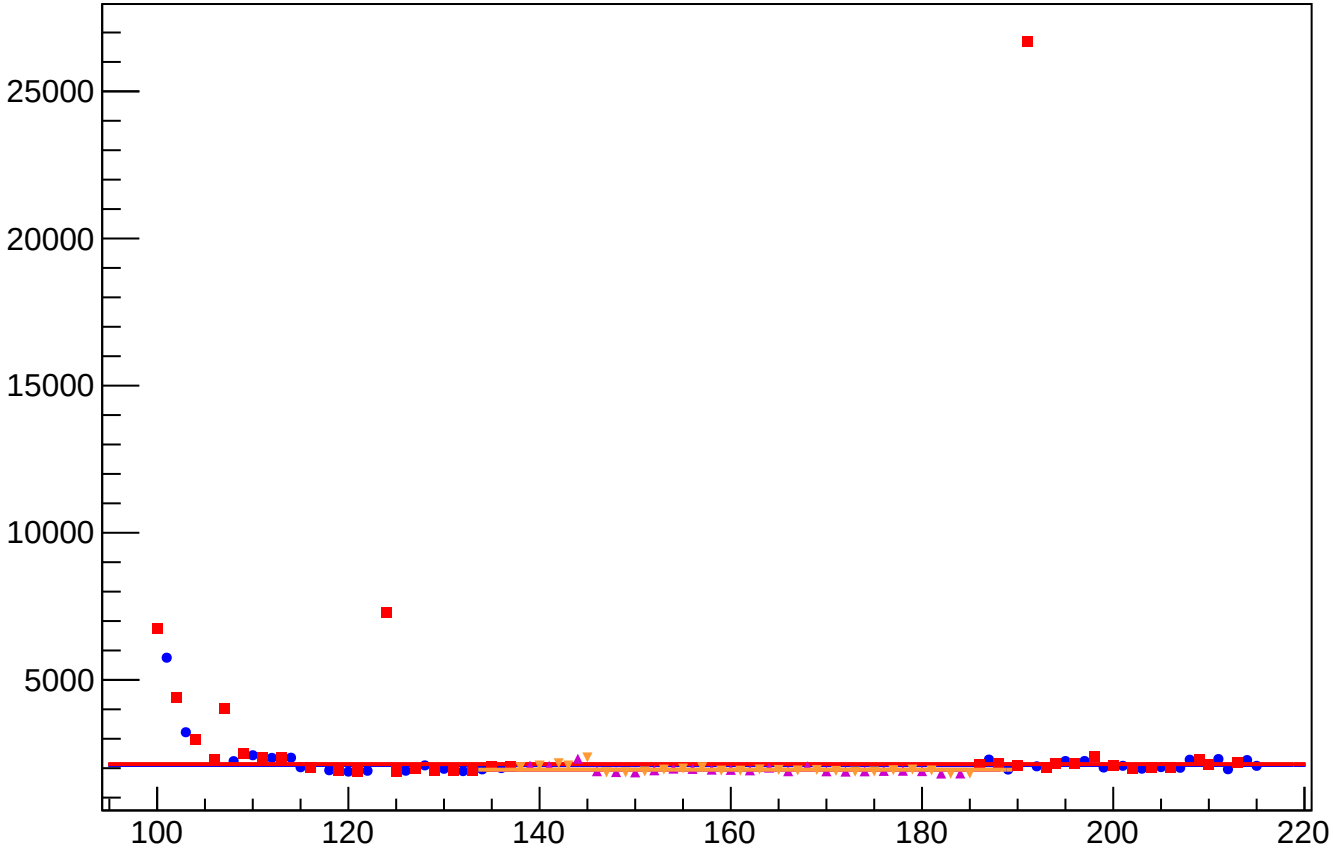
Right: 2024.391+/-348.743 χ^2/NDF: 75.2/64

In: 2156.101+/-332.076 χ^2/NDF:52.1/53

Out: 1775.005+/-332.037 χ^2/NDF:83.5/58

All: 1965.531+/-234.800 χ^2/NDF: 136.3/112

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2109.289+/-0.344 χ^2/NDF: 840753.7/30

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2139.497+/-0.354 χ^2/NDF: 1186924.5/33

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

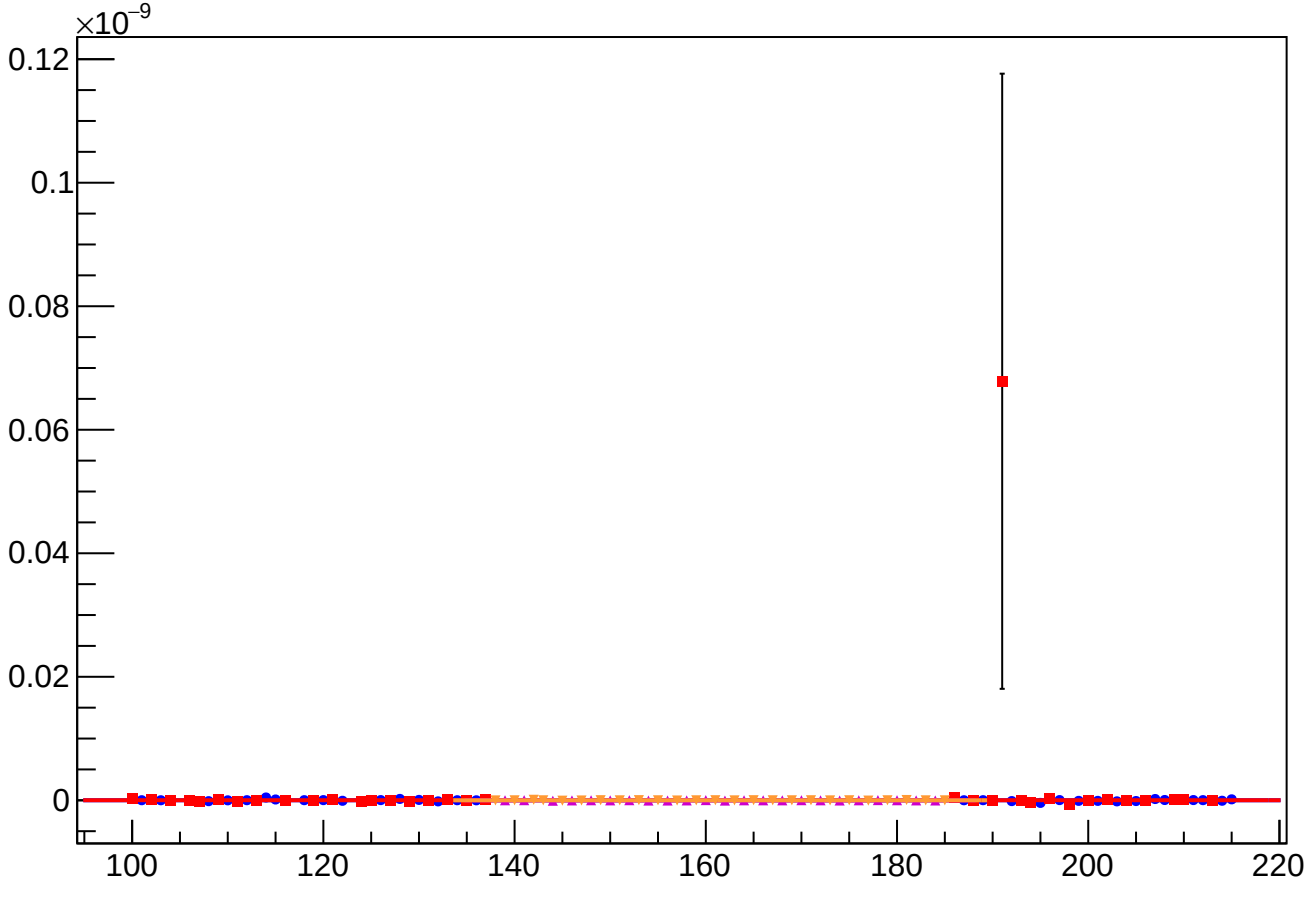
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2123.937+/-0.247 χ^2/NDF: 2031426.2/64

In: 2021.803+/-0.235 χ^2/NDF:1058361.9/53

Out: 2032.733+/-0.235 χ^2/NDF:1457619.0/58

All: 2027.268+/-0.166 χ^2/NDF: 2517064.4/11



Right In: 0.000+/-0.000 χ^2/NDF: 35.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/33

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

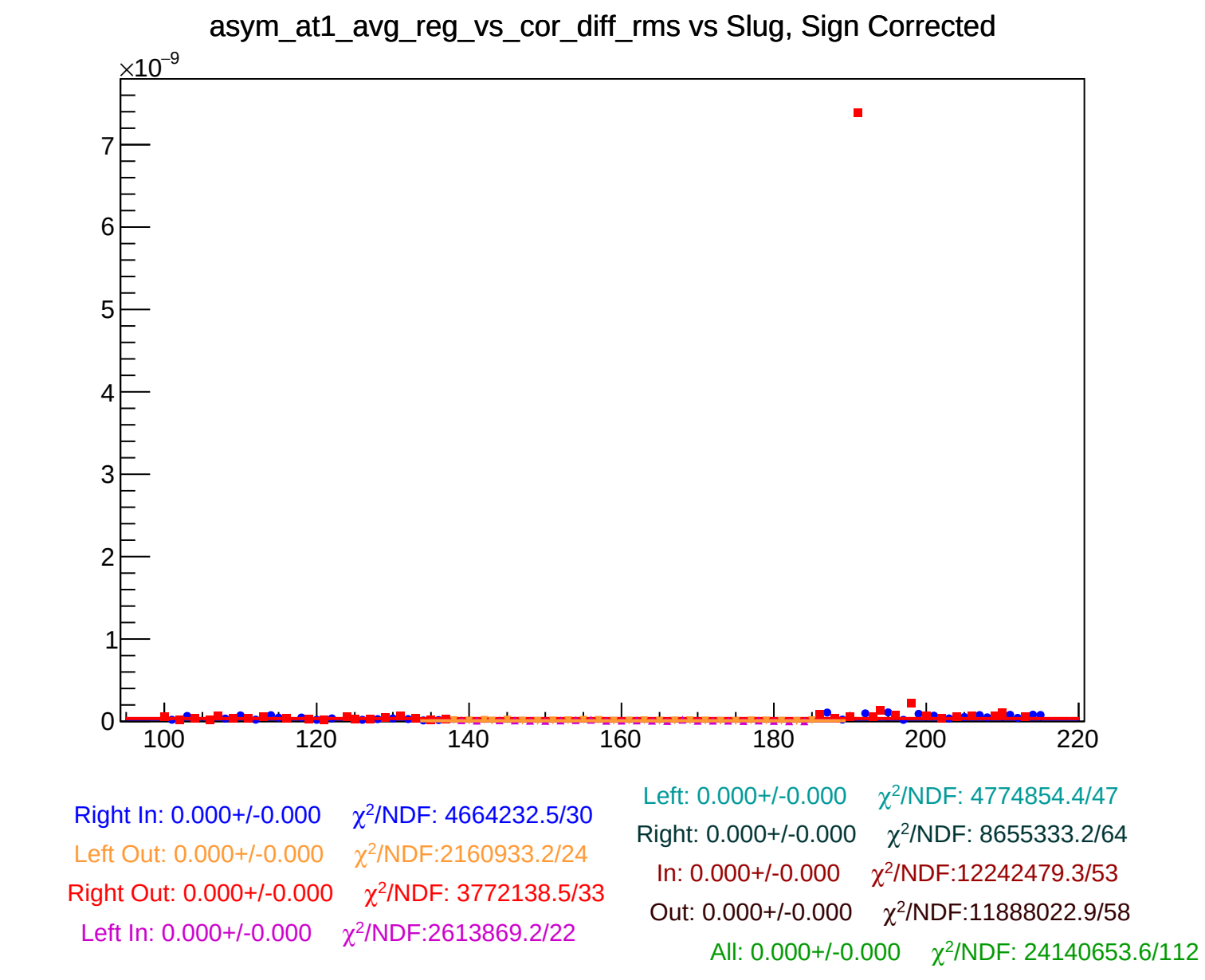
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 66.8/64

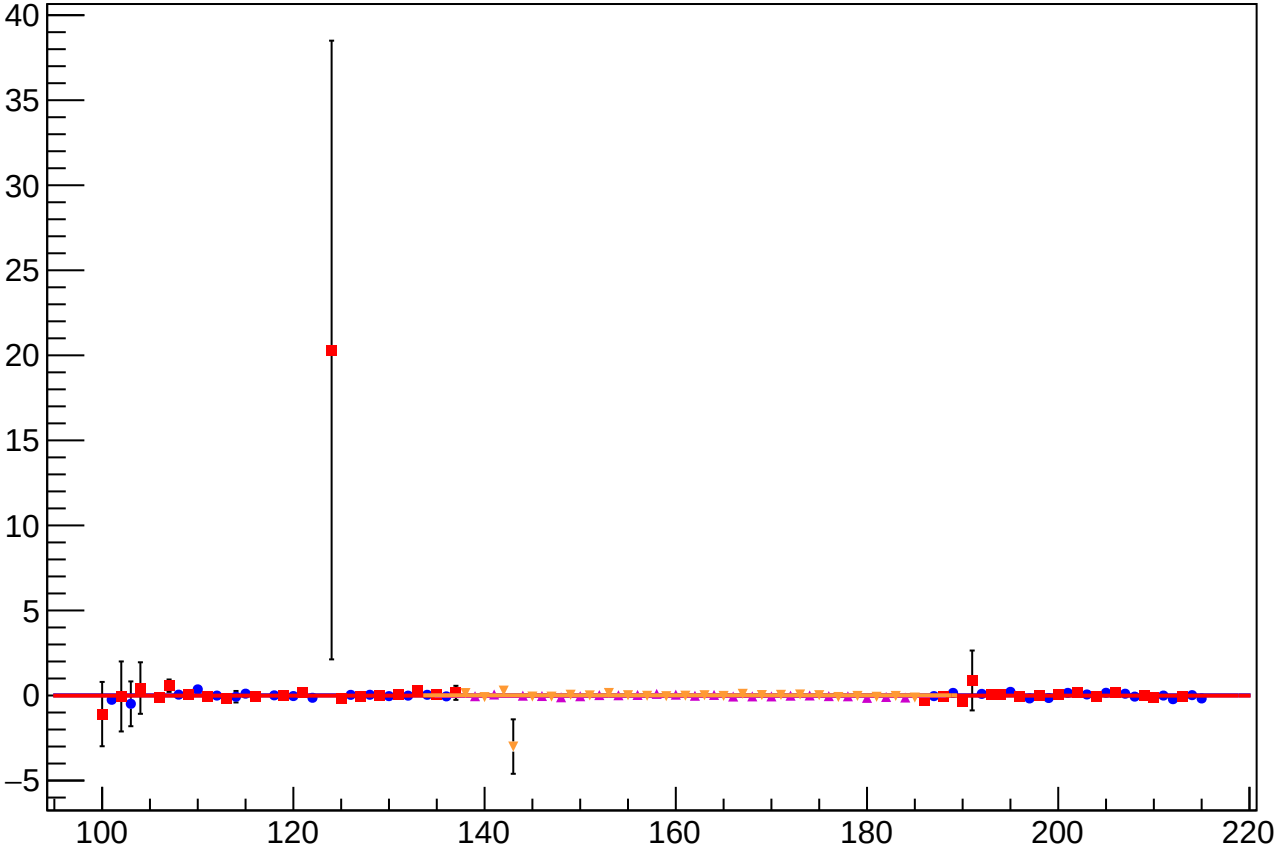
In: -0.000+/-0.000 χ^2/NDF:67.5/53

Out: 0.000+/-0.000 χ^2/NDF:60.5/58

All: -0.000+/-0.000 χ^2/NDF: 128.7/112


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: 4664232.5/30
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3772138.5/33
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 8655333.2/64
In: 0.000+/-0.000 χ²/NDF:12242479.3/53
Out: 0.000+/-0.000 χ²/NDF:11888022.9/58
All: 0.000+/-0.000 χ²/NDF: 24140653.6/112

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 31.1/30

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.008+/-0.019 χ^2/NDF: 31.0/33

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

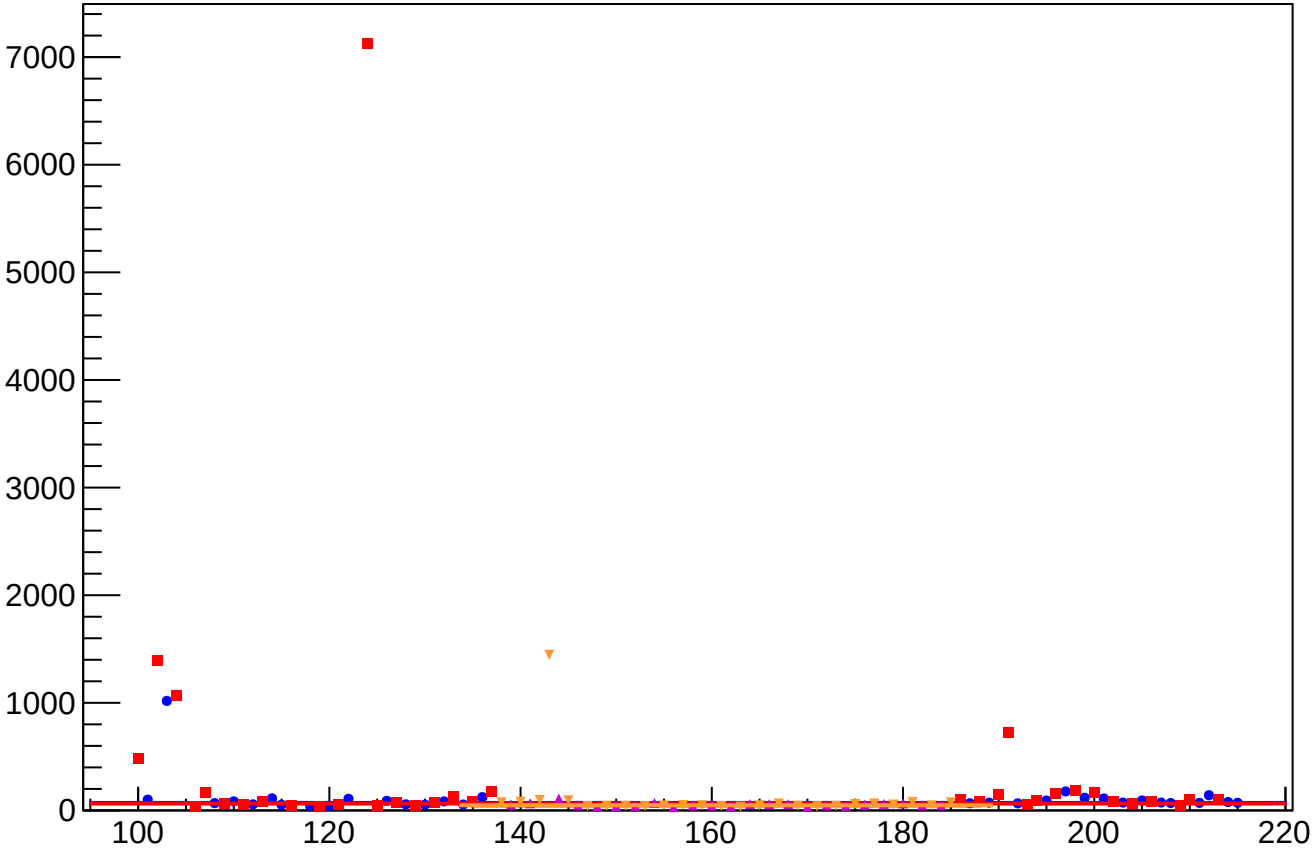
Right: 0.002+/-0.013 χ^2/NDF: 62.7/64

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.002+/-0.007 χ^2/NDF: 115.6/112

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.910+/-0.013 χ^2/NDF: 4230263.8/30

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.164+/-0.013 χ^2/NDF: 6748437.0/33

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

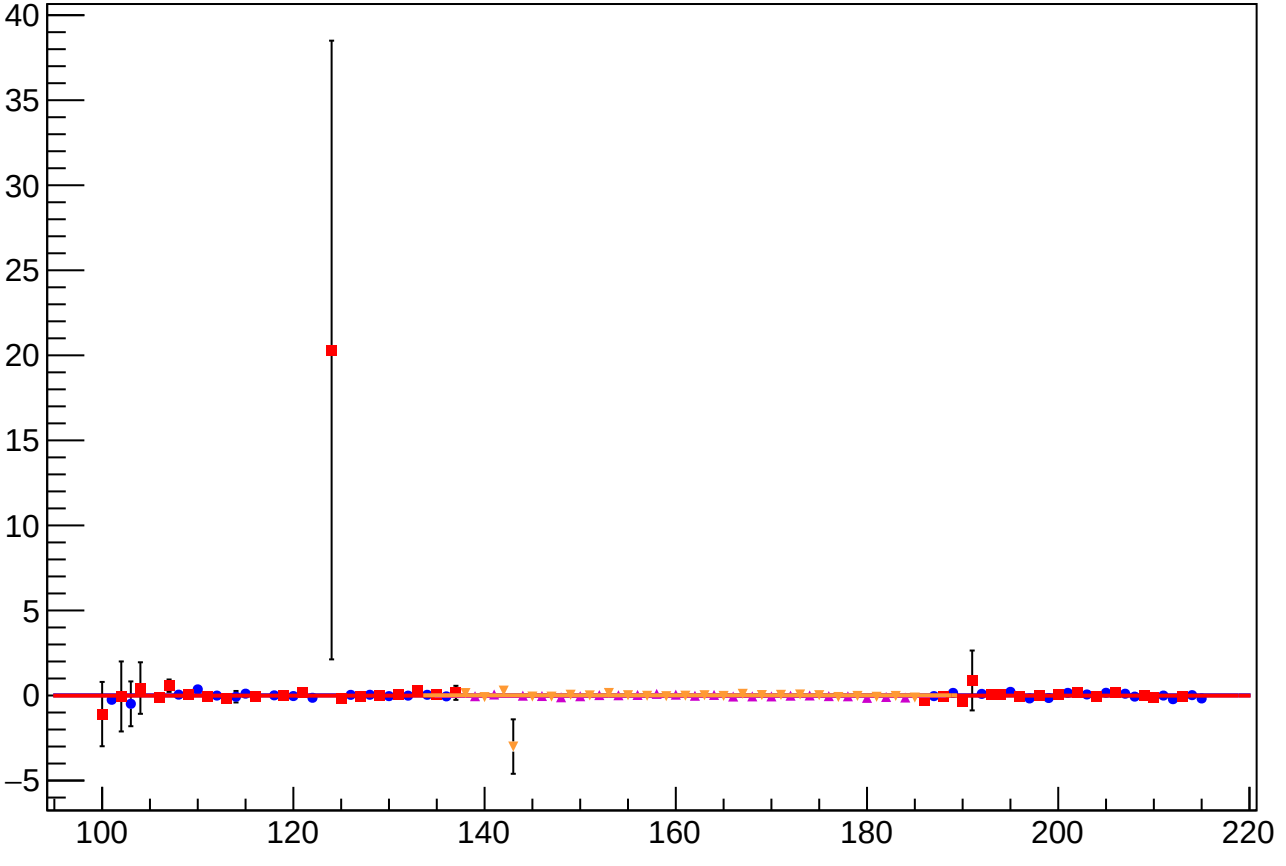
Right: 67.027+/-0.009 χ^2/NDF: 11071467.0/64

In: 53.631+/-0.007 χ^2/NDF:8287931.2/53

Out: 52.844+/-0.007 χ^2/NDF:11283489.0/58

All: 53.241+/-0.005 χ^2/NDF: 19577230.7/112

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 31.1/30

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.008+/-0.019 χ^2/NDF: 31.0/33

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

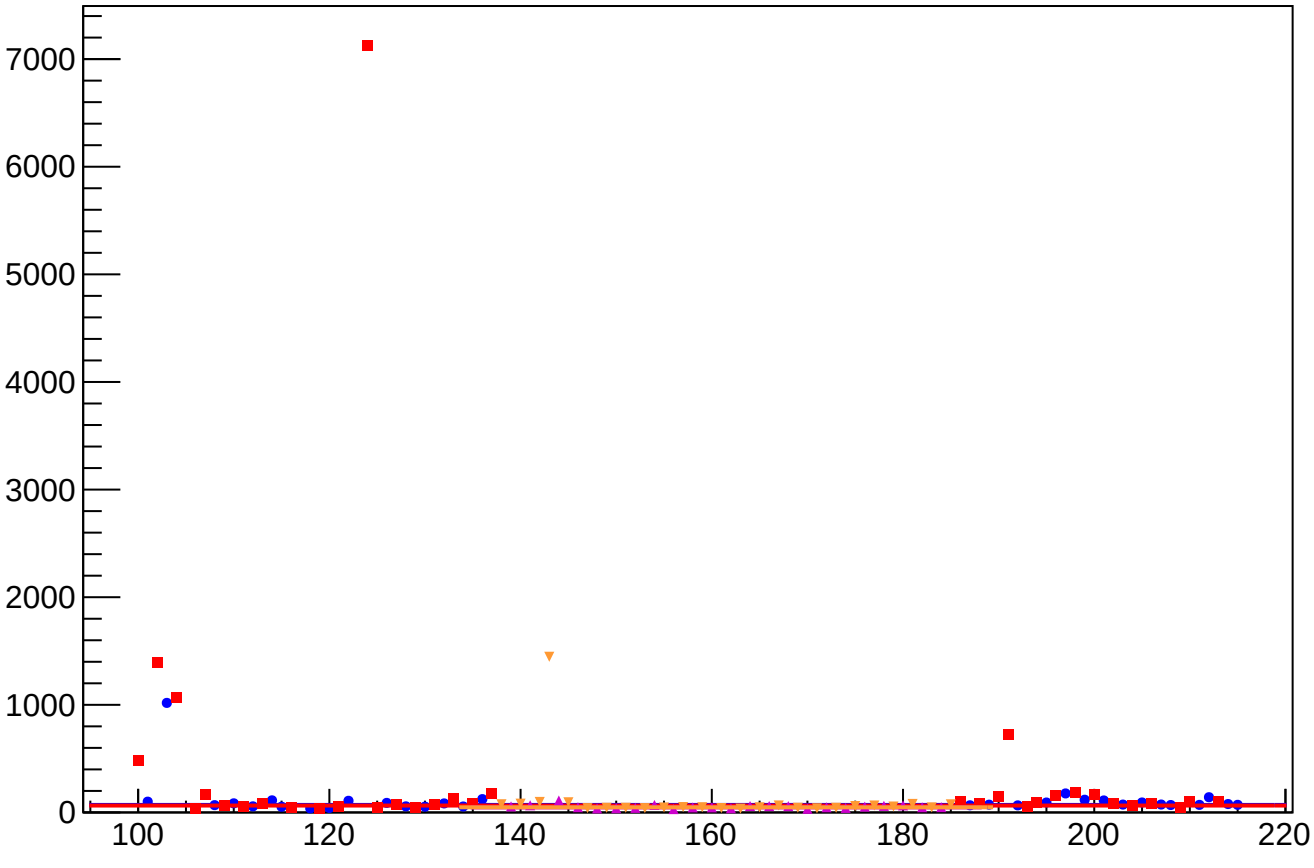
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.002+/-0.013 χ^2/NDF: 62.7/64

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.002+/-0.007 χ^2/NDF: 115.6/112



Right In: 69.910+/-0.013 χ^2/NDF: 4230263.8/30

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.164+/-0.013 χ^2/NDF: 6748437.0/33

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

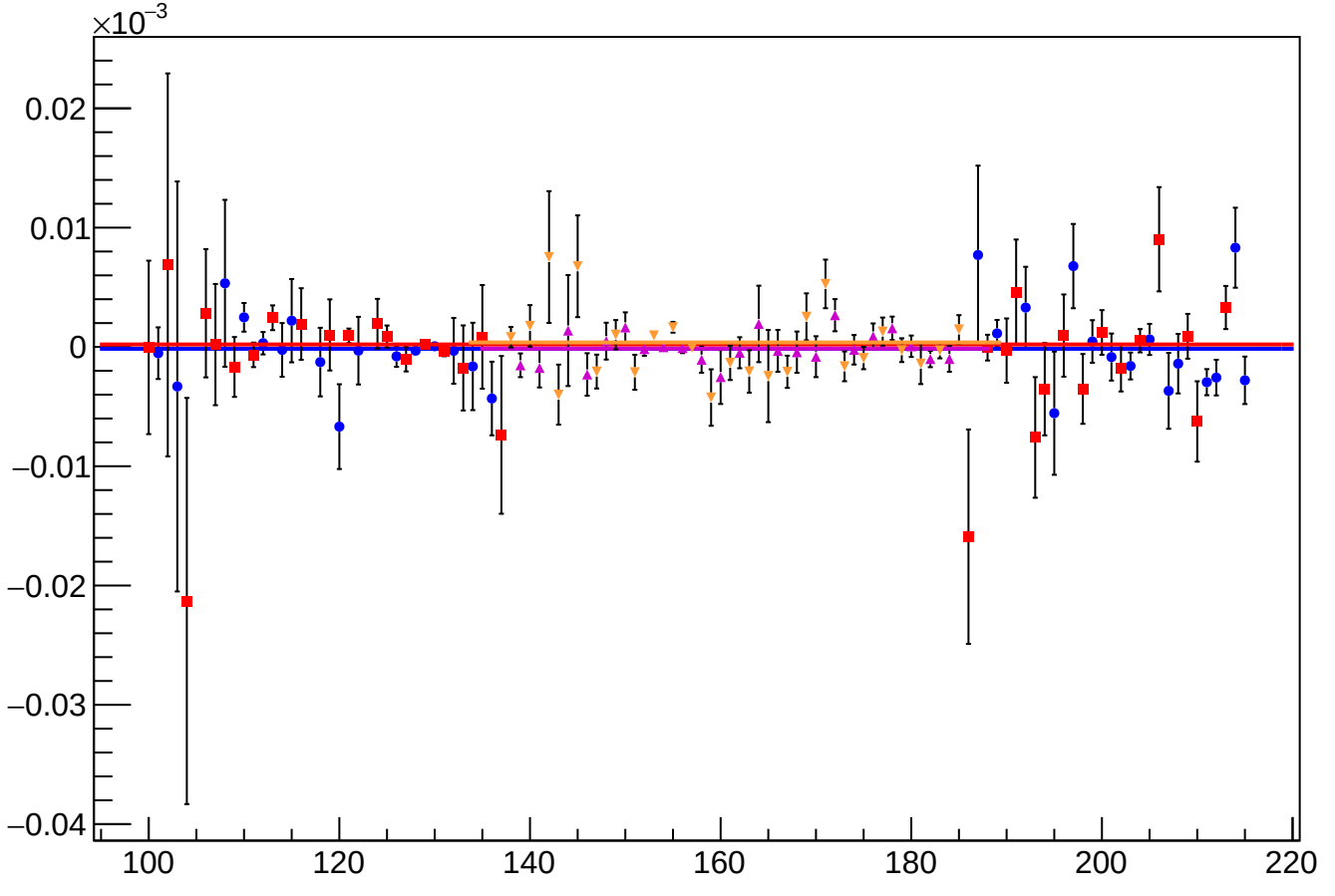
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 67.027+/-0.009 χ^2/NDF: 11071467.0/64

In: 53.631+/-0.007 χ^2/NDF:8287931.2/53

Out: 52.844+/-0.007 χ^2/NDF:11283489.0/58

All: 53.241+/-0.005 χ^2/NDF: 19577230.7/112



Right In: -0.000+/-0.000 χ^2/NDF: 42.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/33

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

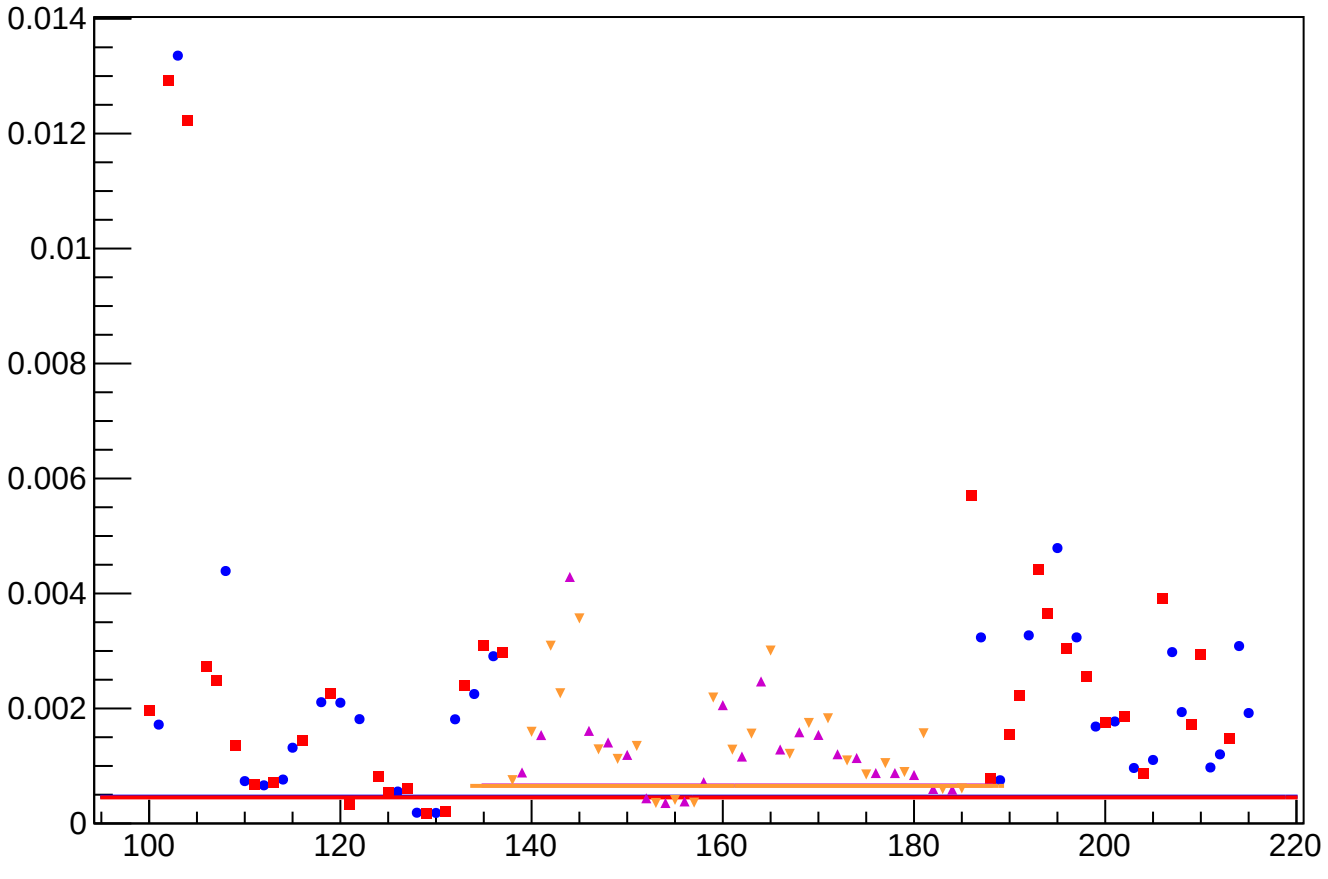
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 81.6/64

In: -0.000+/-0.000 χ^2/NDF:62.3/53

Out: 0.000+/-0.000 χ^2/NDF:89.3/58

All: 0.000+/-0.000 χ^2/NDF: 157.5/112



Right In: 0.000+/-0.000 χ^2/NDF: 22296670.5/30

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21512428.3/33

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

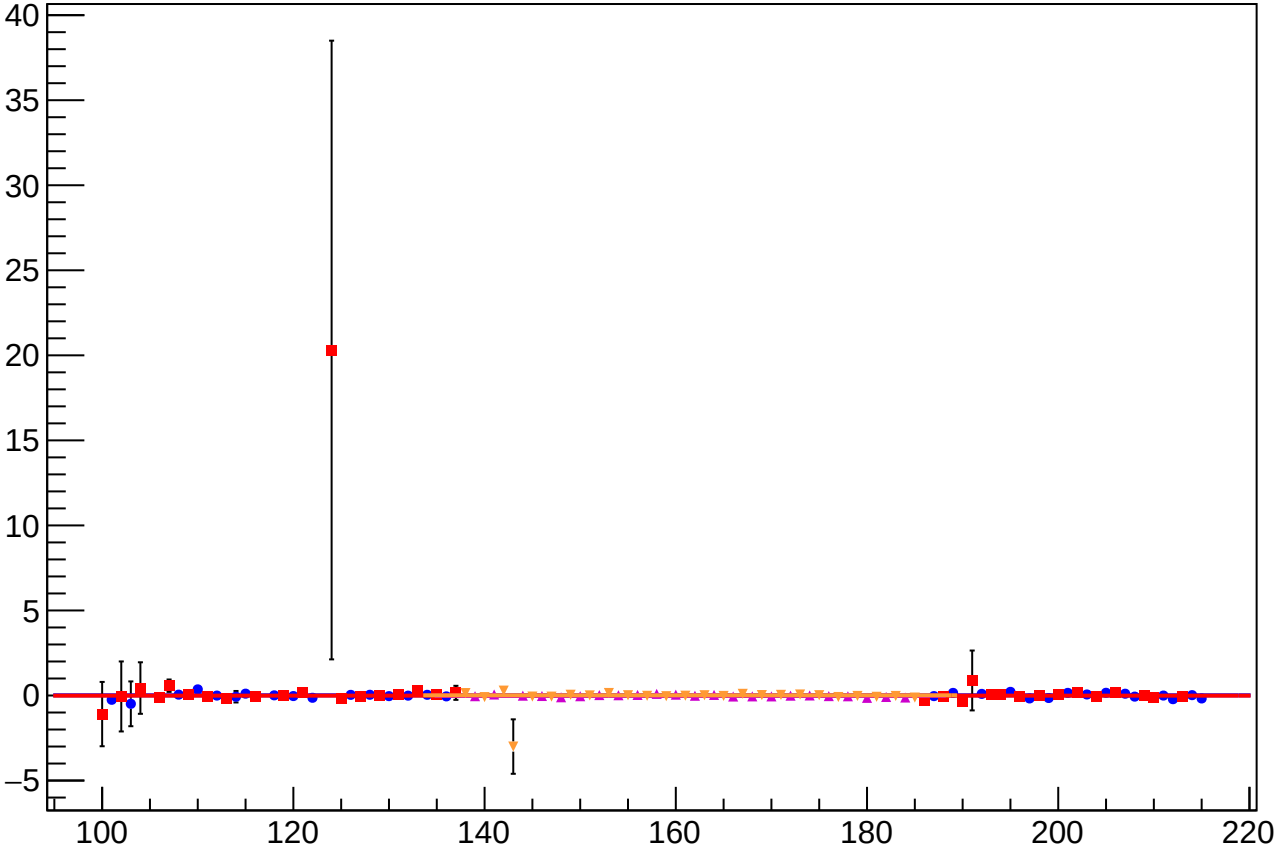
Right: 0.000+/-0.000 χ^2/NDF: 43814425.5/64

In: 0.001+/-0.000 χ^2/NDF:33119480.6/53

Out: 0.001+/-0.000 χ^2/NDF:34813081.9/58

All: 0.001+/-0.000 χ^2/NDF: 67934599.5/112

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 31.1/30

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.008+/-0.019 χ^2/NDF: 31.0/33

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

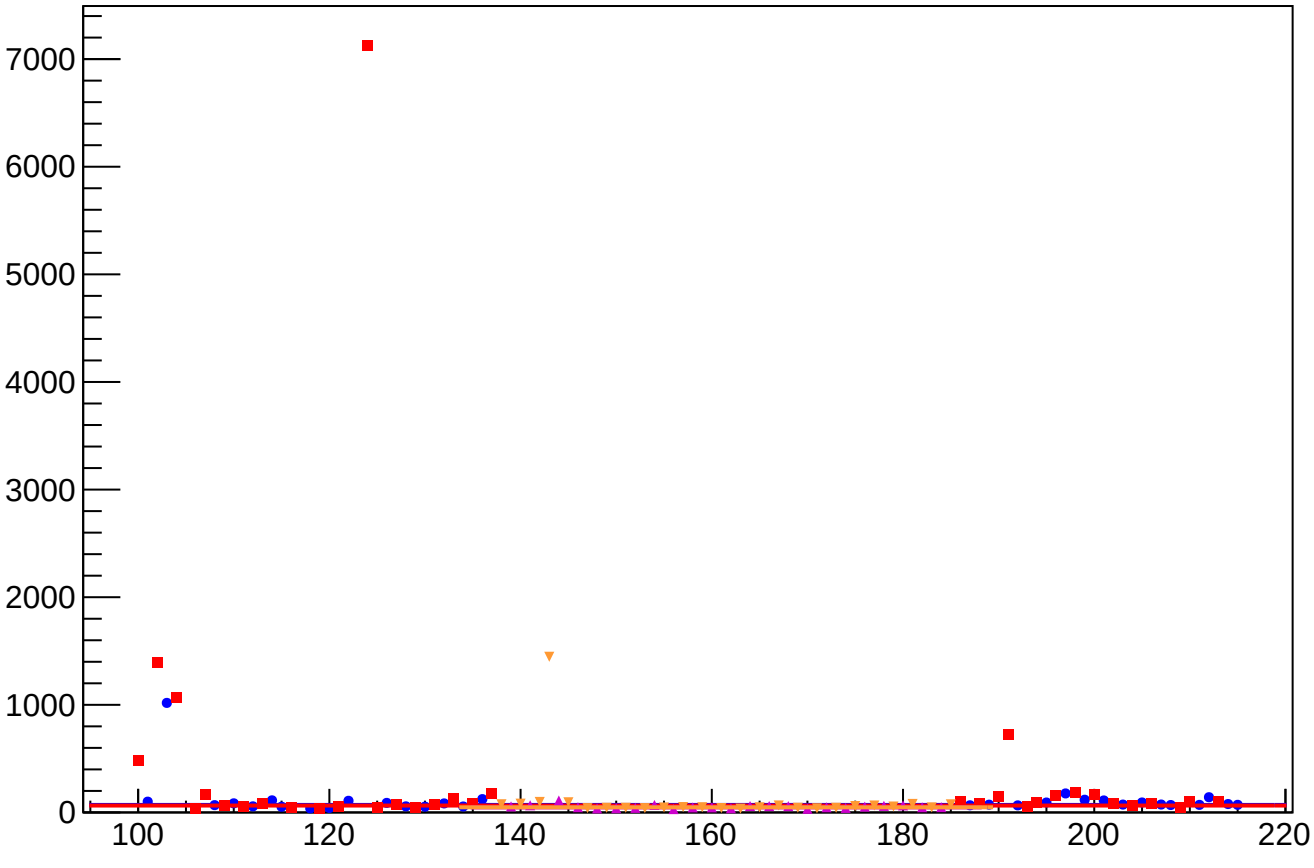
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.002+/-0.013 χ^2/NDF: 62.7/64

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.002+/-0.007 χ^2/NDF: 115.6/112



Right In: 69.910+/-0.013 χ^2/NDF: 4230323.6/30

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.164+/-0.013 χ^2/NDF: 6748659.8/33

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

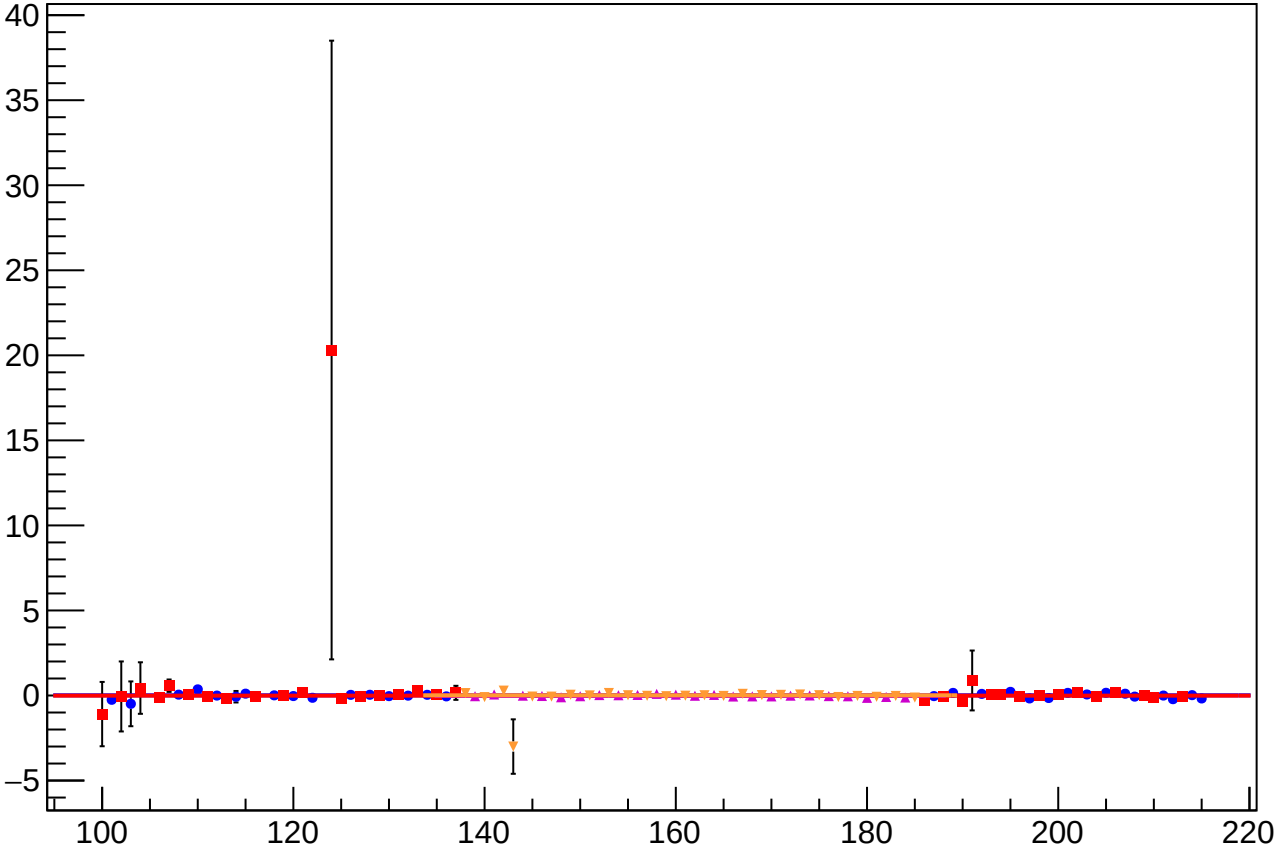
Right: 67.027+/-0.009 χ^2/NDF: 11071784.1/64

In: 53.631+/-0.007 χ^2/NDF:8288018.1/53

Out: 52.844+/-0.007 χ^2/NDF:11283560.9/58

All: 53.241+/-0.005 χ^2/NDF: 19577390.3/112

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 31.1/30

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.008+/-0.019 χ^2/NDF: 31.0/33

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

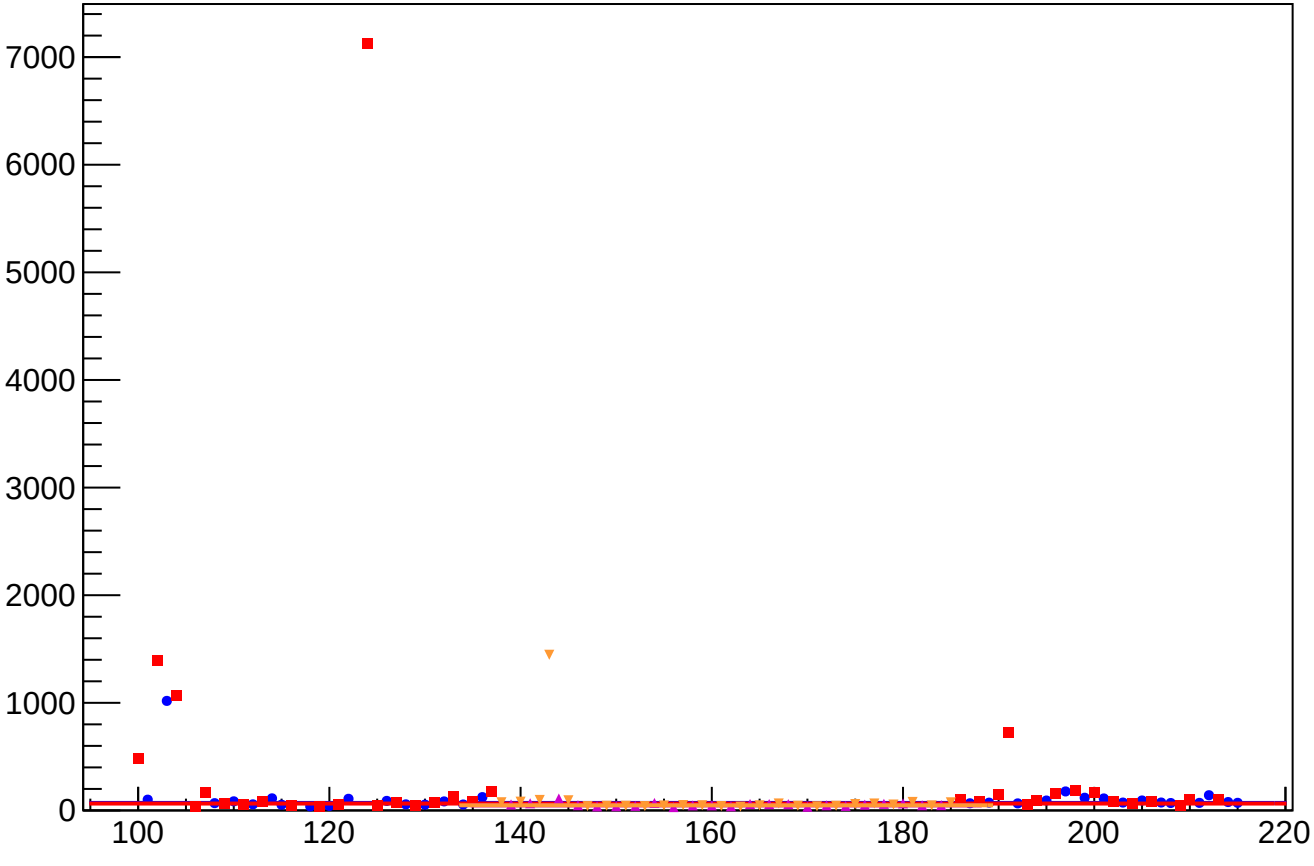
Right: 0.002+/-0.013 χ^2/NDF: 62.7/64

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.005+/-0.010 χ^2/NDF:61.4/58

All: -0.002+/-0.007 χ^2/NDF: 115.6/112

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.910+/-0.013 χ^2/NDF: 4230323.6/30

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.164+/-0.013 χ^2/NDF: 6748659.8/33

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

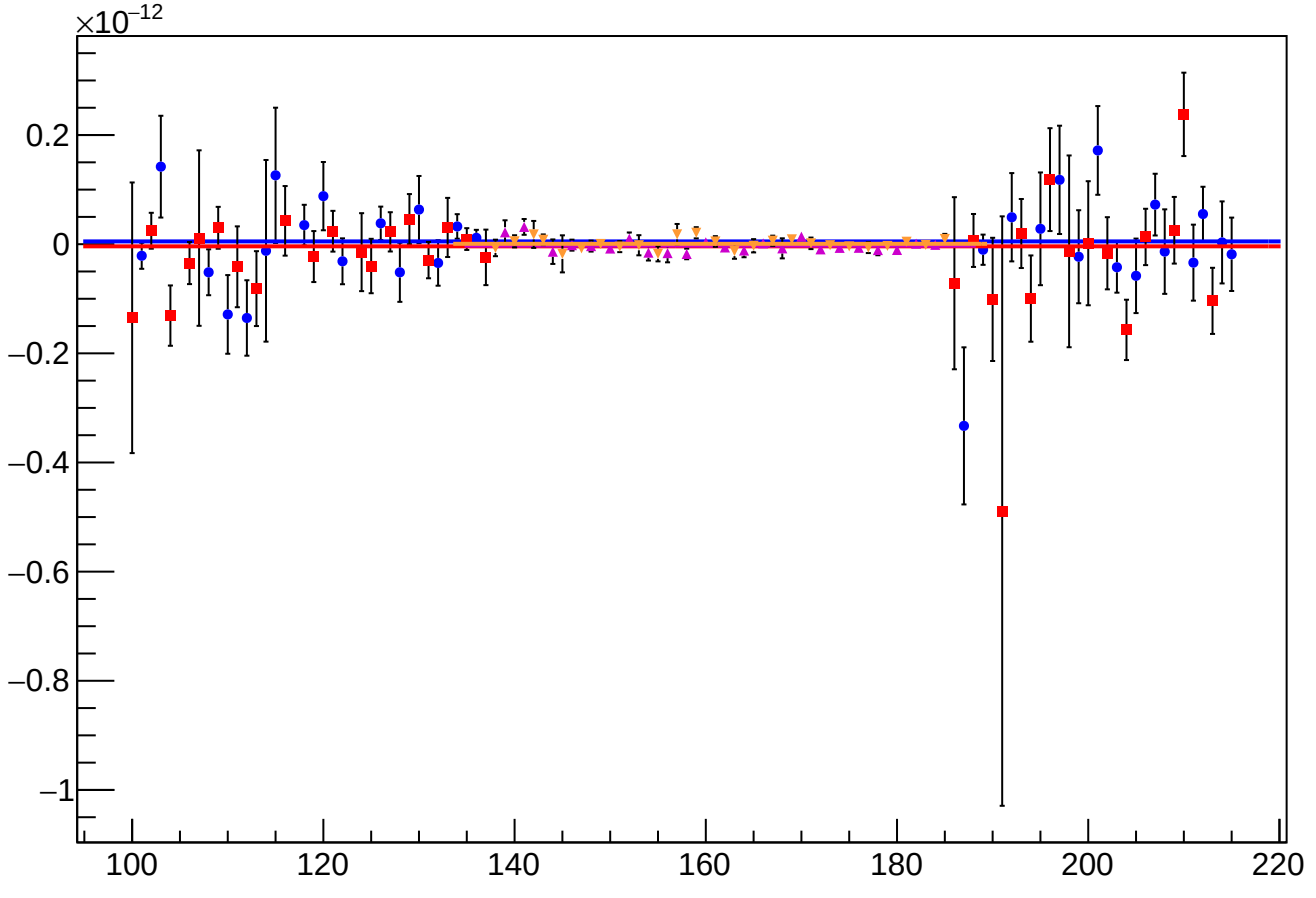
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 67.027+/-0.009 χ^2/NDF: 11071784.1/64

In: 53.631+/-0.007 χ^2/NDF:8288018.1/53

Out: 52.844+/-0.007 χ^2/NDF:11283560.9/58

All: 53.241+/-0.005 χ^2/NDF: 19577390.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

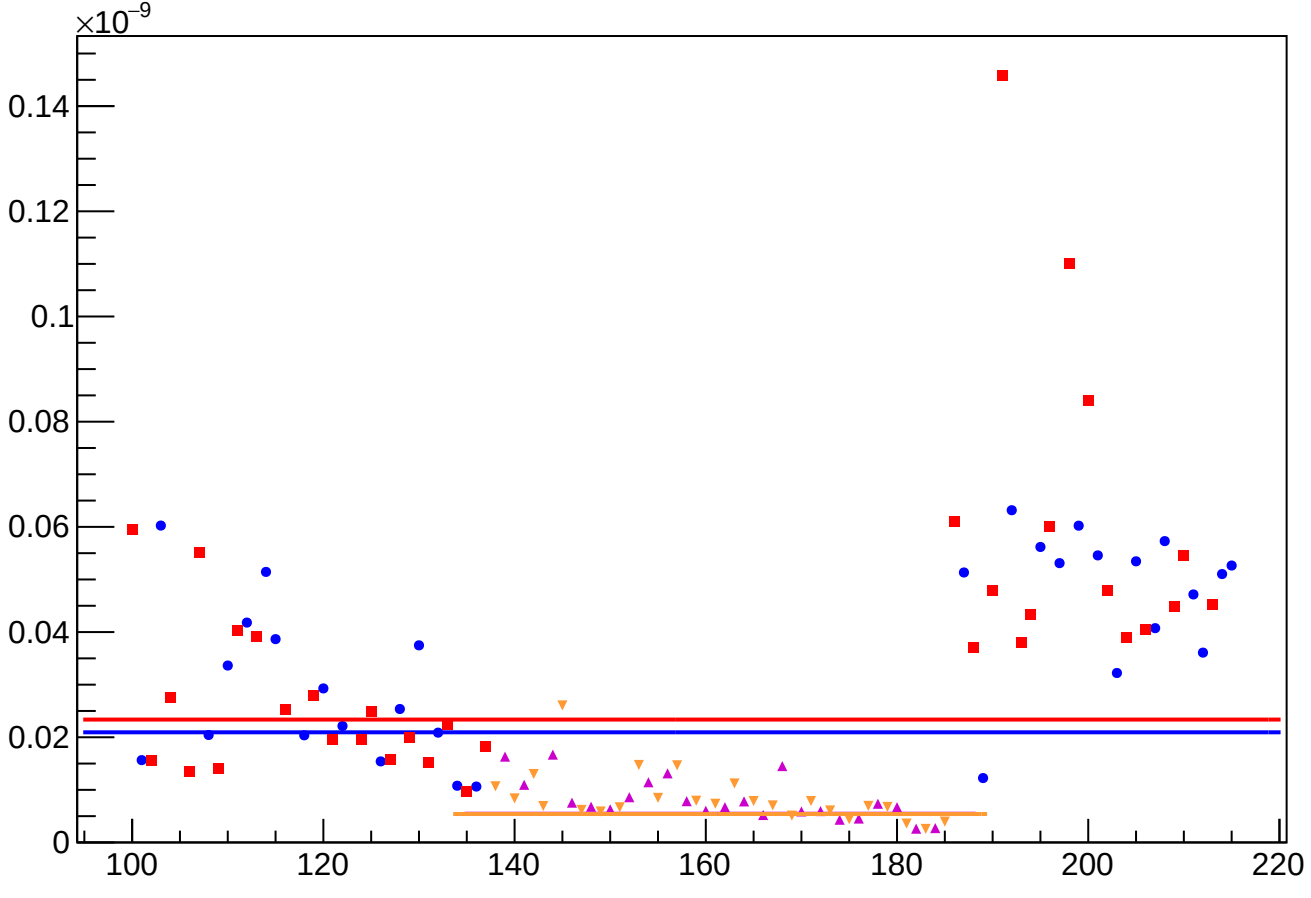
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 80.0/64

In: -0.000+/-0.000 χ^2/NDF:62.0/53

Out: 0.000+/-0.000 χ^2/NDF:55.6/58

All: -0.000+/-0.000 χ^2/NDF: 118.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 6999261.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5495371.0/33

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

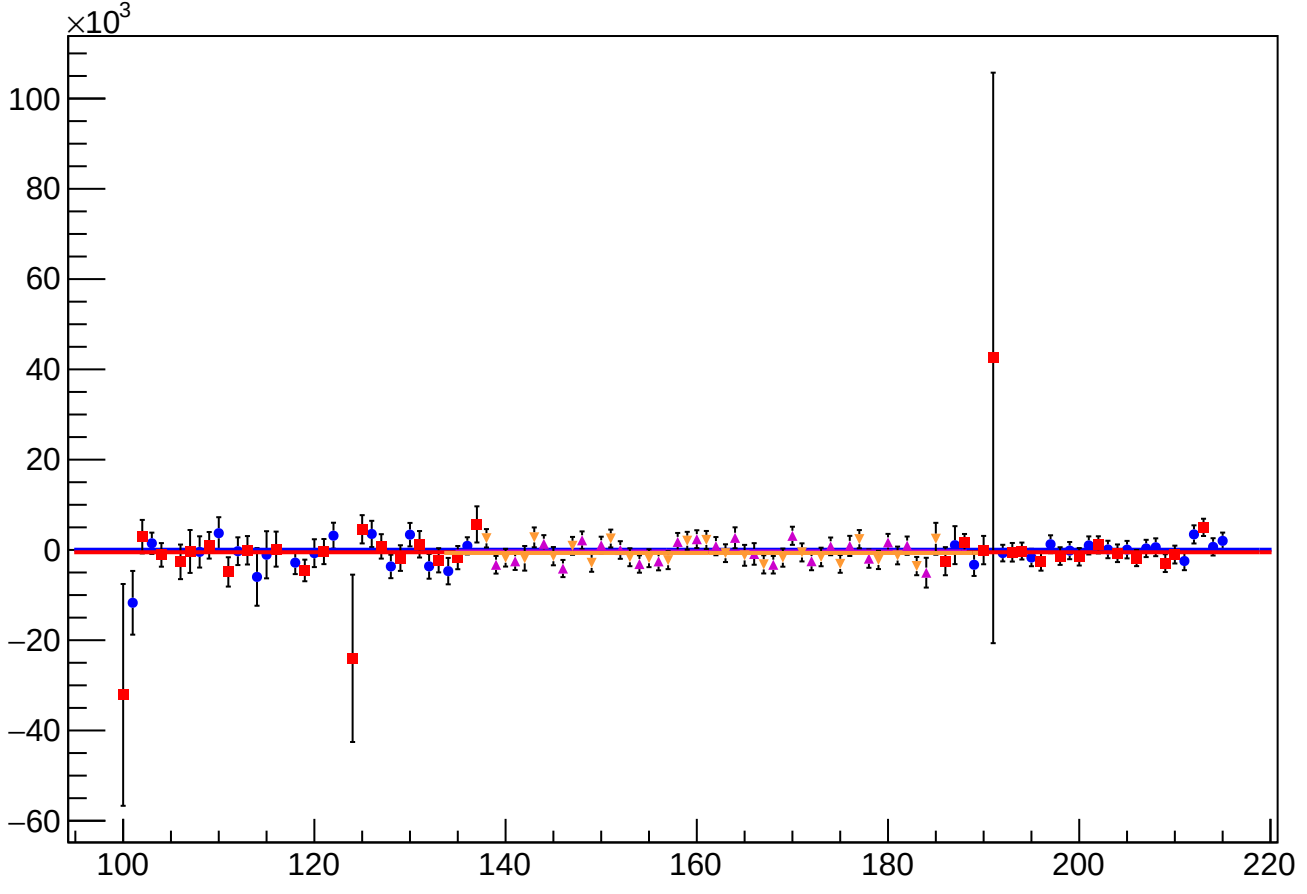
Right: 0.000+/-0.000 χ^2/NDF: 12583136.7/64

In: 0.000+/-0.000 χ^2/NDF:19868274.1/53

Out: 0.000+/-0.000 χ^2/NDF:18878696.2/58

All: 0.000+/-0.000 χ^2/NDF: 38759993.8/112

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: 45.195+/-424.874 χ^2/NDF: 26.6/30

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -515.197+/-436.130 χ^2/NDF: 30.7/33

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

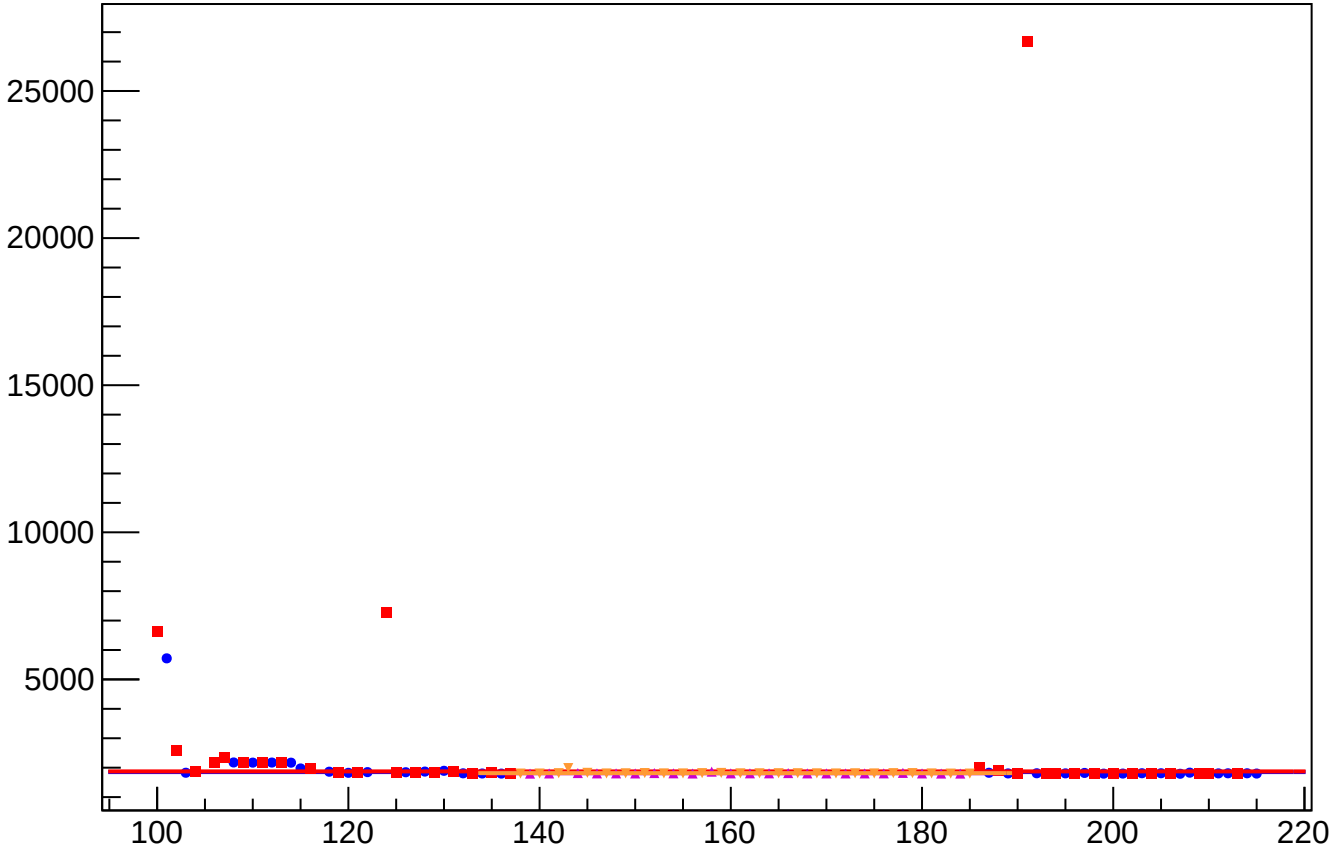
Right: -227.676+/-304.333 χ^2/NDF: 58.2/64

In: -149.865+/-299.664 χ^2/NDF:57.1/53

Out: -596.982+/-299.574 χ^2/NDF:55.5/58

All: -373.491+/-211.863 χ^2/NDF: 113.7/112

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1850.306+/-0.300 χ^2/NDF: 679722.1/30

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1873.685+/-0.308 χ^2/NDF: 754679.1/33

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

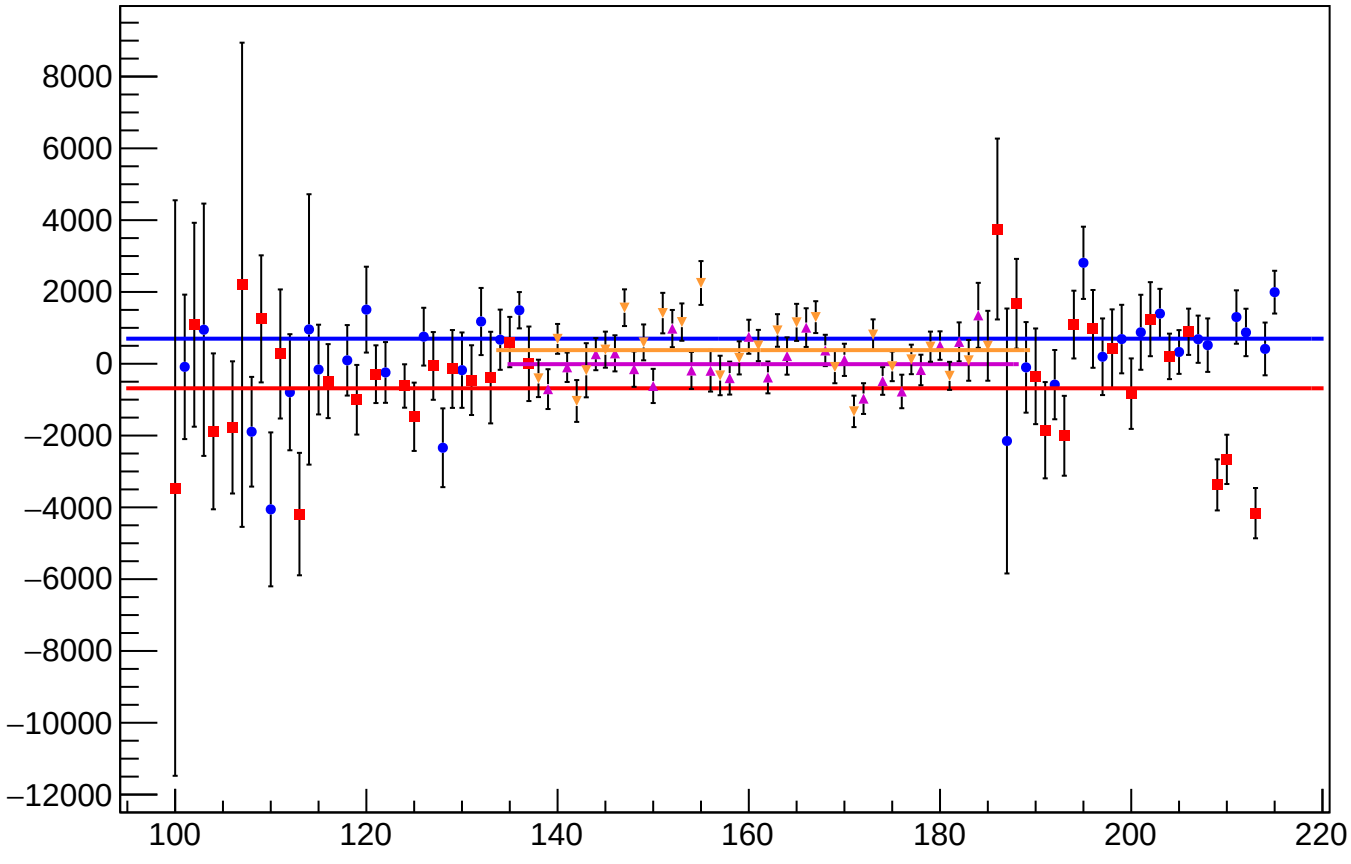
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1861.690+/-0.215 χ^2/NDF: 1437350.0/64

In: 1830.280+/-0.212 χ^2/NDF:690530.4/53

Out: 1842.390+/-0.212 χ^2/NDF:787278.0/58

All: 1836.337+/-0.150 χ^2/NDF: 1479442.1/11



Right In: 698.500+/-161.615 χ^2/NDF: 36.9/30

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -683.460+/-171.049 χ^2/NDF: 87.2/33

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

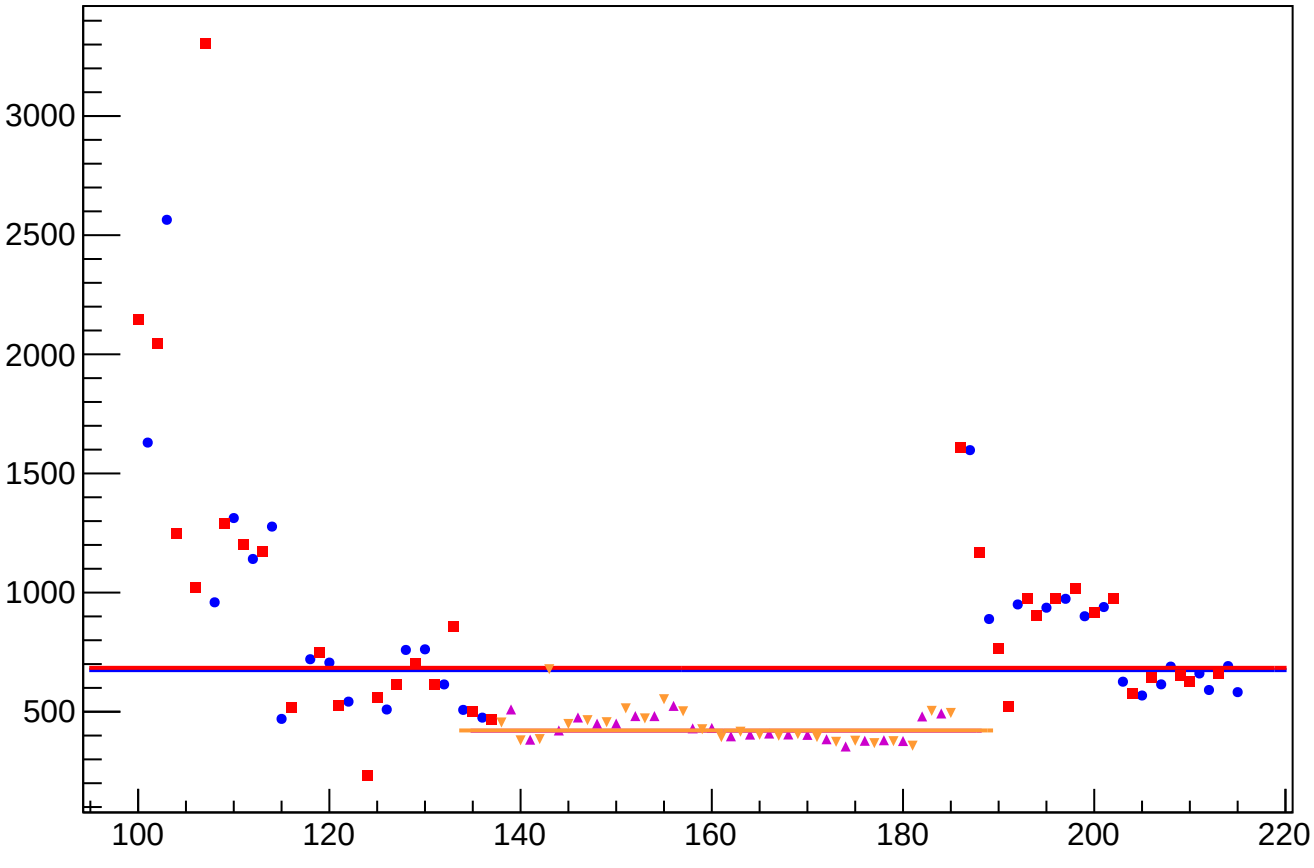
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 46.682+/-117.473 χ^2/NDF: 158.6/64

In: 182.138+/-84.405 χ^2/NDF:82.1/53

Out: 120.681+/-84.386 χ^2/NDF:178.7/58

All: 151.402+/-59.677 χ^2/NDF: 261.0/112



Right In: 674.557+/-0.114 χ^2/NDF: 3159801.1/30

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 684.219+/-0.121 χ^2/NDF: 4700201.6/33

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

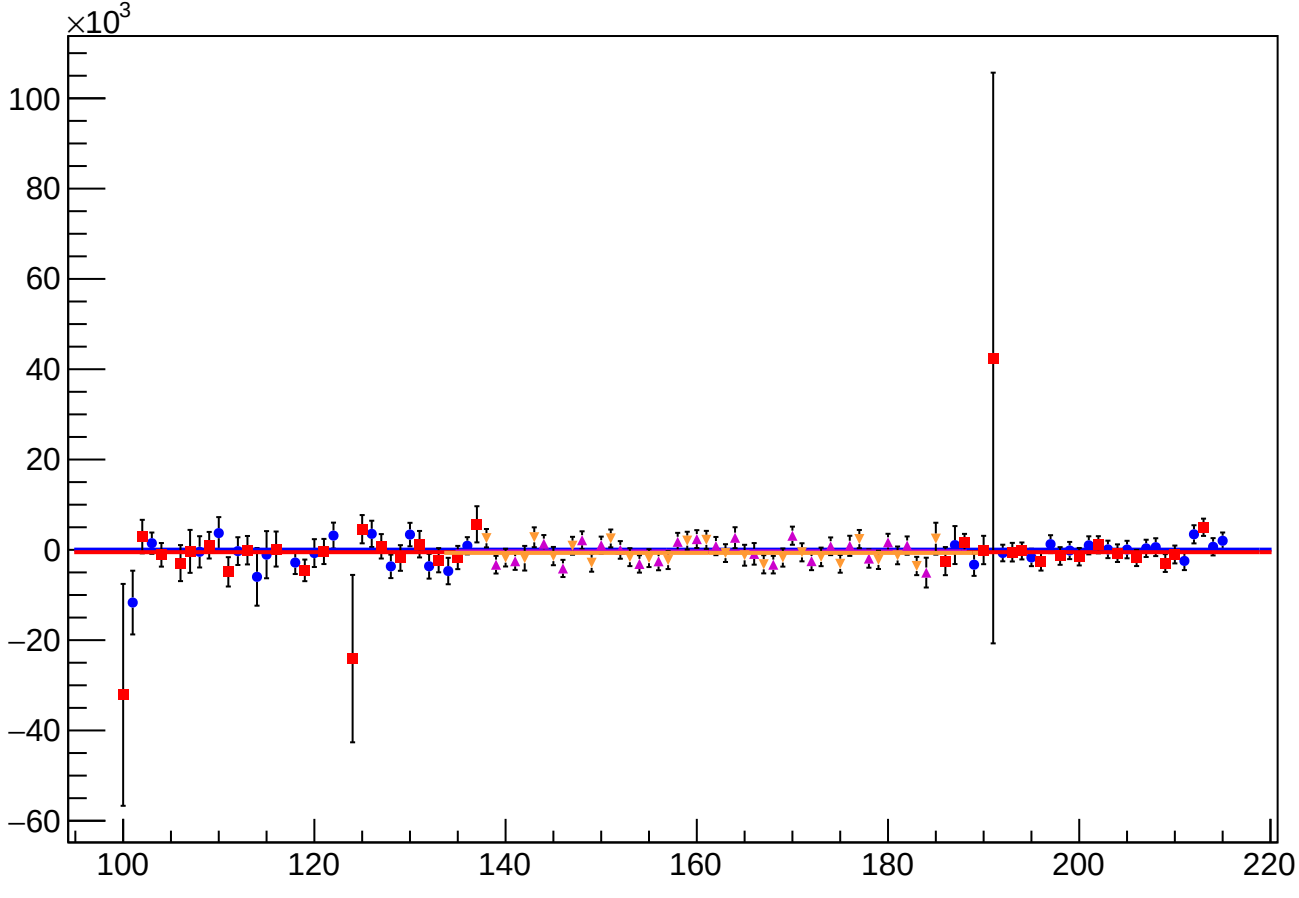
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 679.114+/-0.083 χ^2/NDF: 7863374.1/64

In: 489.594+/-0.060 χ^2/NDF:7175046.6/53

Out: 485.379+/-0.060 χ^2/NDF:9015323.5/58

All: 487.486+/-0.042 χ^2/NDF: 16192864.9/1



Right In: 45.524+/-424.874 χ^2/NDF: 26.6/30

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -516.694+/-436.353 χ^2/NDF: 30.8/33

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

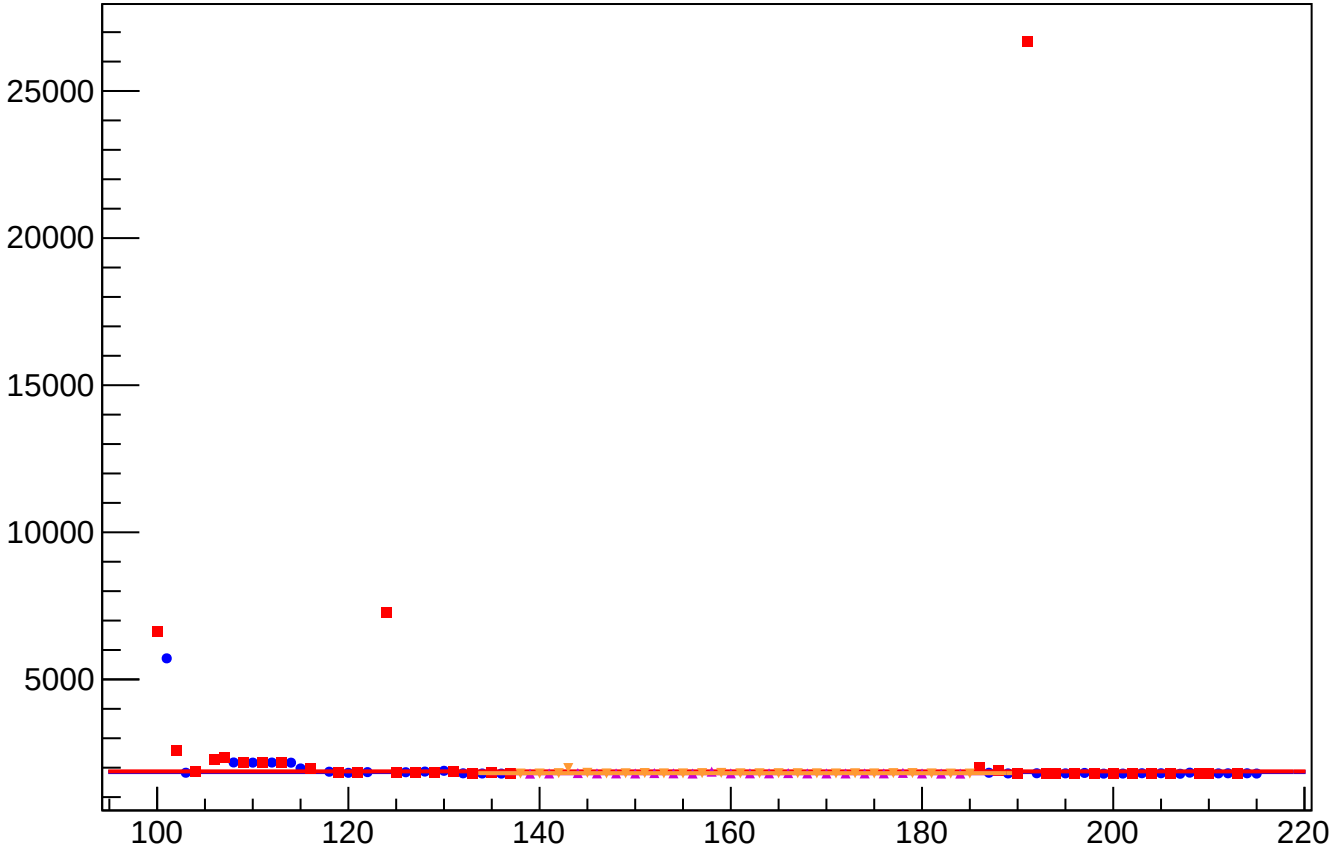
Right: -228.093+/-304.409 χ^2/NDF: 58.2/64

In: -149.724+/-299.664 χ^2/NDF:57.1/53

Out: -597.722+/-299.647 χ^2/NDF:55.6/58

All: -373.736+/-211.888 χ^2/NDF: 113.8/112

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1850.306+/-0.300 χ^2/NDF: 679722.0/30

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1874.343+/-0.309 χ^2/NDF: 760907.5/33

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

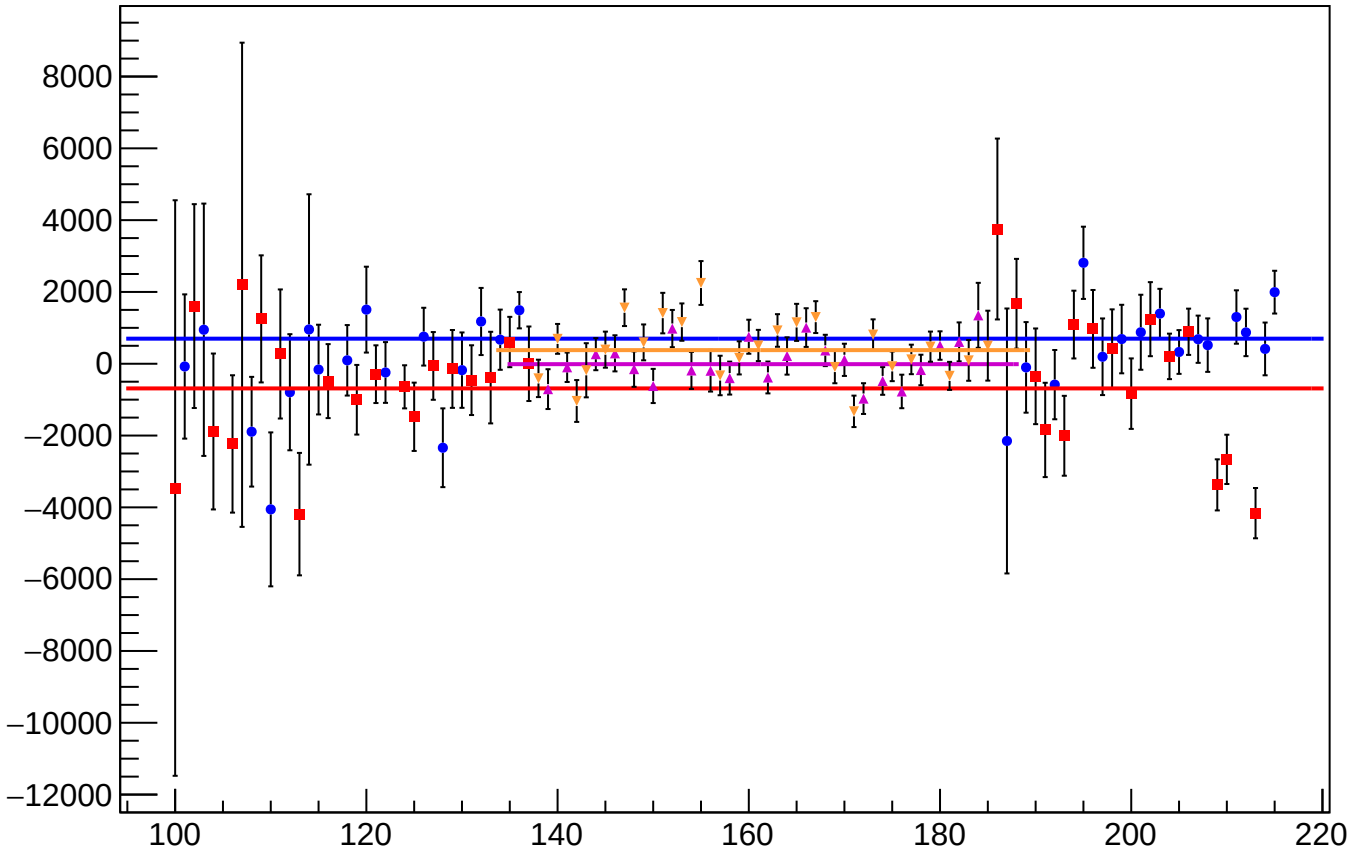
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1862.004+/-0.215 χ^2/NDF: 1443744.9/64

In: 1830.280+/-0.212 χ^2/NDF:690530.3/53

Out: 1842.685+/-0.212 χ^2/NDF:793930.9/58

All: 1836.483+/-0.150 χ^2/NDF: 1486175.0/11



Right In: 698.574+/-161.612 χ^2/NDF: 36.9/30

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -687.028+/-170.943 χ^2/NDF: 87.8/33

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

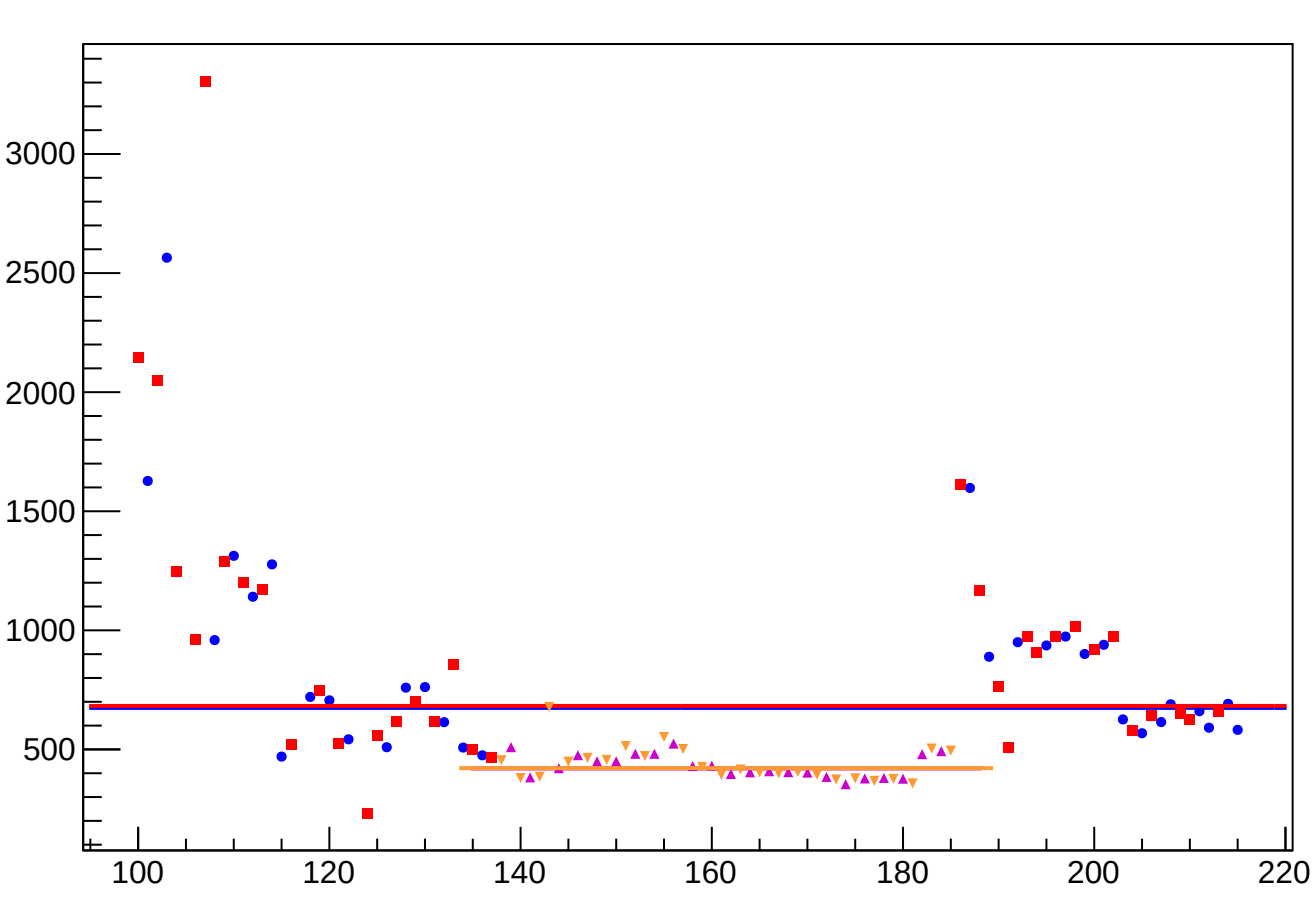
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 44.620+/-117.437 χ^2/NDF: 159.4/64

In: 182.151+/-84.404 χ^2/NDF:82.1/53

Out: 119.559+/-84.373 χ^2/NDF:179.5/58

All: 150.843+/-59.672 χ^2/NDF: 261.9/112



Right In: 674.556+/-0.114 χ^2/NDF: 3158980.7/30

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 682.541+/-0.121 χ^2/NDF: 4708655.9/33

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

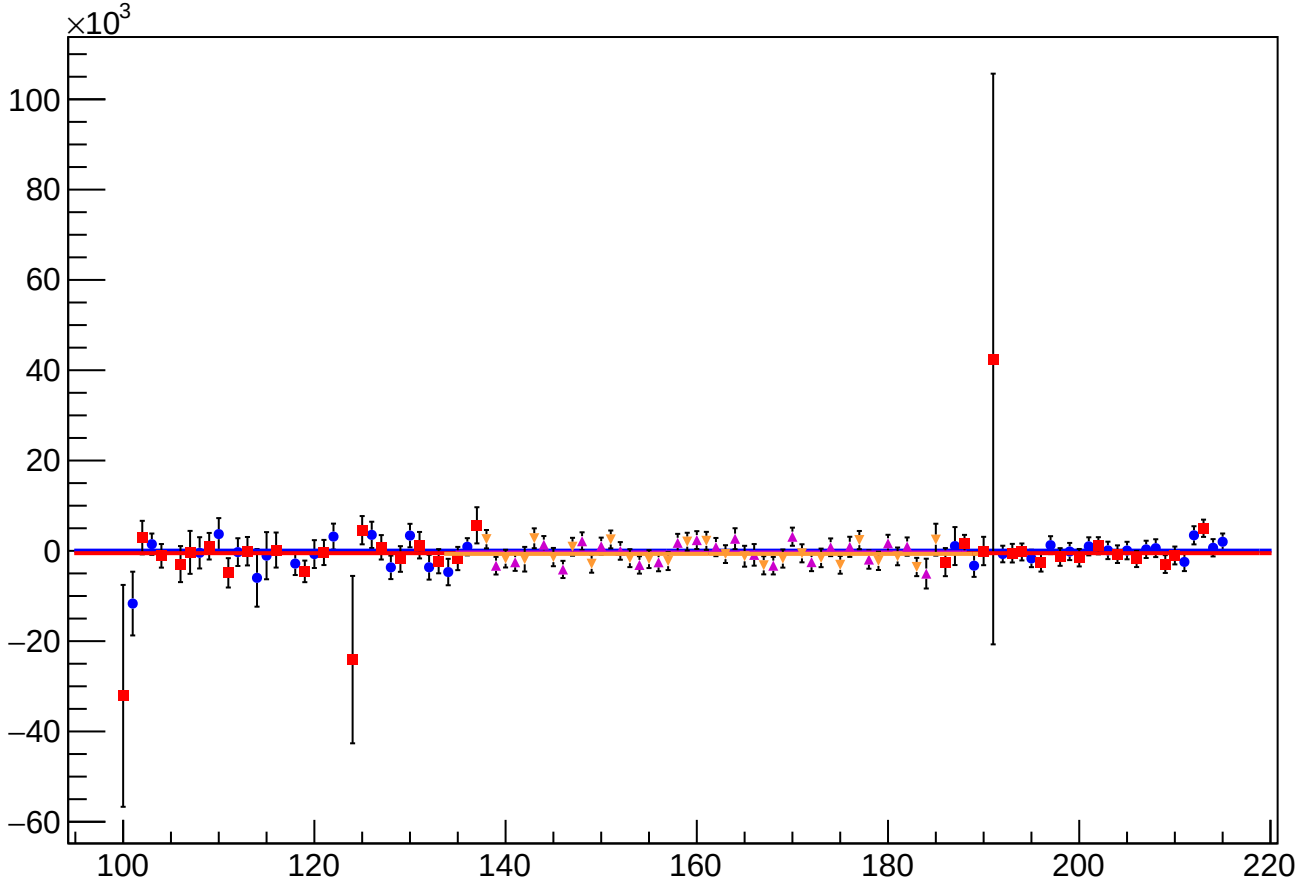
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 678.325+/-0.083 χ^2/NDF: 7869941.1/64

In: 489.591+/-0.060 χ^2/NDF:7174439.2/53

Out: 485.033+/-0.060 χ^2/NDF:8981464.7/58

All: 487.311+/-0.042 χ^2/NDF: 16158821.8/1



Right In: 45.524+/-424.874 χ^2/NDF: 26.6/30

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -516.694+/-436.353 χ^2/NDF: 30.8/33

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

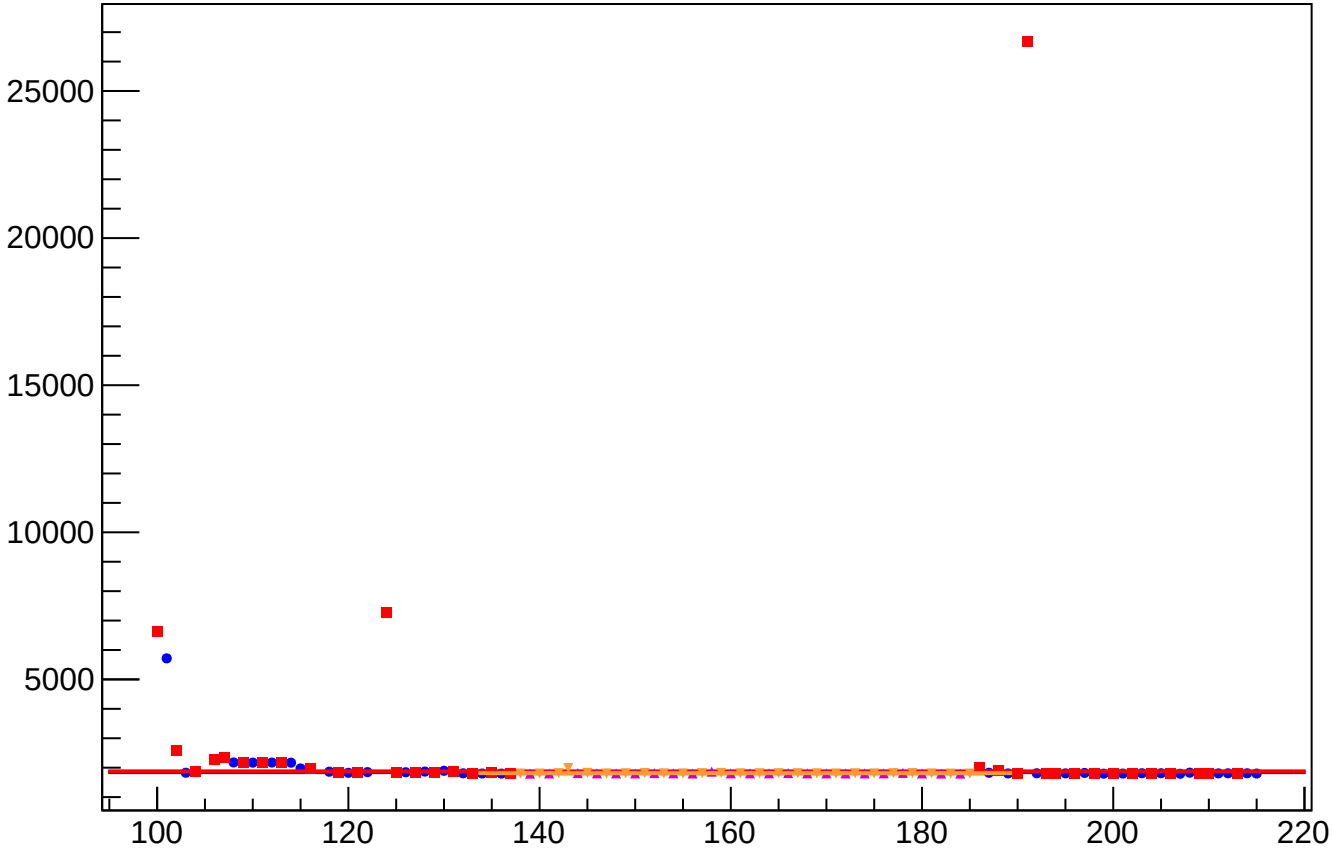
Right: -228.093+/-304.409 χ^2/NDF: 58.2/64

In: -149.724+/-299.664 χ^2/NDF:57.1/53

Out: -597.722+/-299.647 χ^2/NDF:55.6/58

All: -373.736+/-211.888 χ^2/NDF: 113.8/112

eigen_cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1850.306+/-0.300 χ^2/NDF: 679722.0/30

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1874.343+/-0.309 χ^2/NDF: 760907.5/33

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

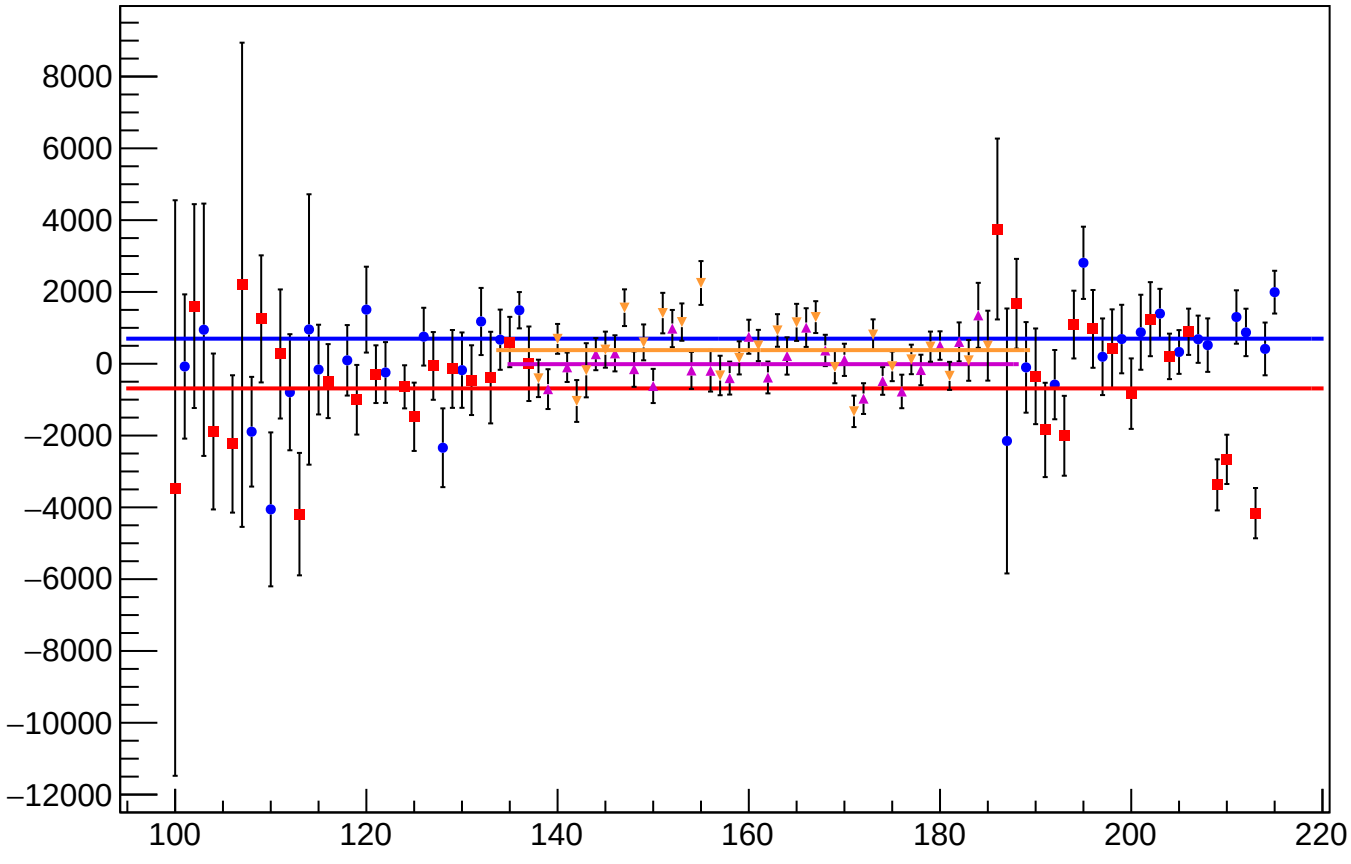
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1862.004+/-0.215 χ^2/NDF: 1443744.9/64

In: 1830.280+/-0.212 χ^2/NDF:690530.3/53

Out: 1842.685+/-0.212 χ^2/NDF:793930.9/58

All: 1836.483+/-0.150 χ^2/NDF: 1486175.0/11



Right In: 698.574+/-161.612 χ^2/NDF: 36.9/30

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -687.028+/-170.943 χ^2/NDF: 87.8/33

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

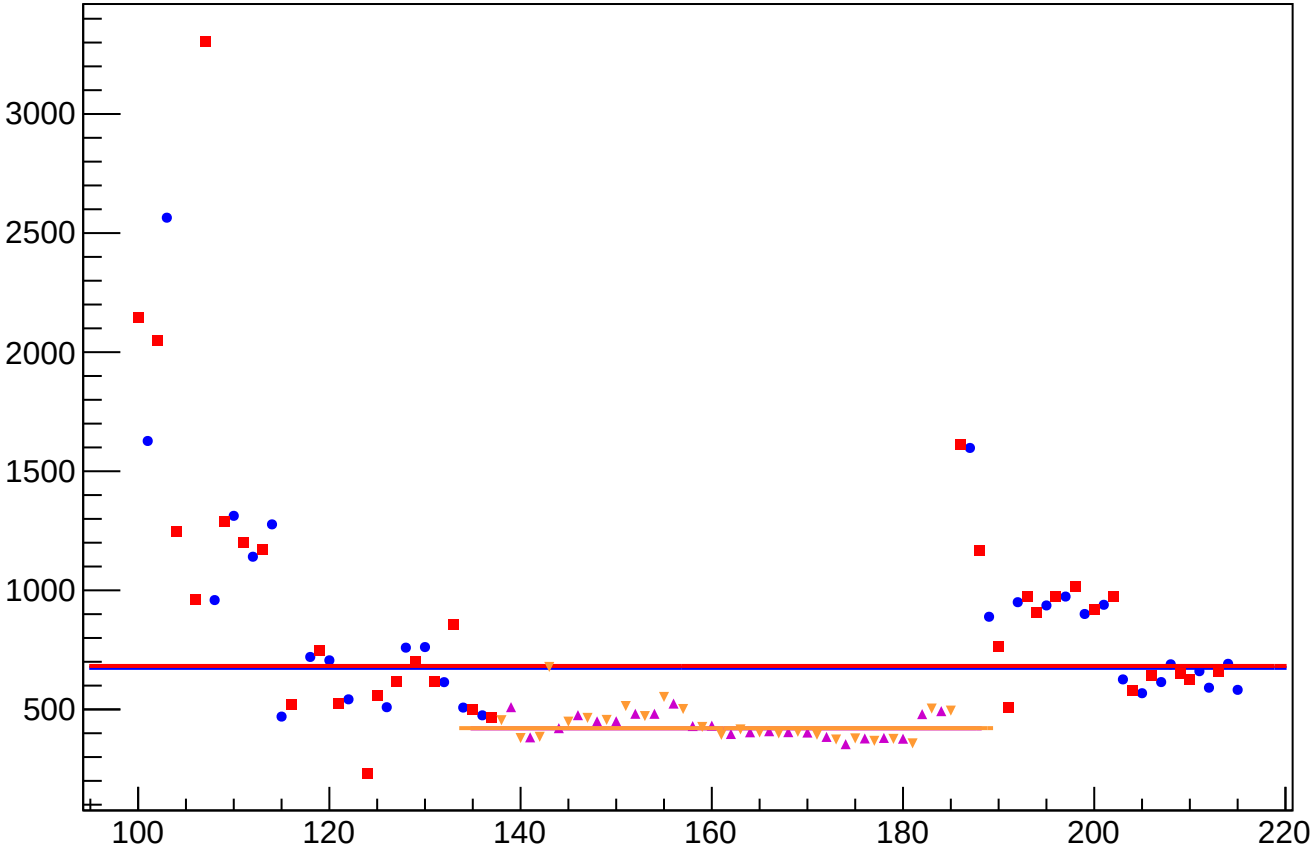
Right: 44.620+/-117.437 χ^2/NDF: 159.4/64

In: 182.151+/-84.404 χ^2/NDF:82.1/53

Out: 119.559+/-84.373 χ^2/NDF:179.5/58

All: 150.843+/-59.672 χ^2/NDF: 261.9/112

asym_at1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.556+/-0.114 χ^2/NDF: 3158980.7/30

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 682.541+/-0.121 χ^2/NDF: 4708655.9/33

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

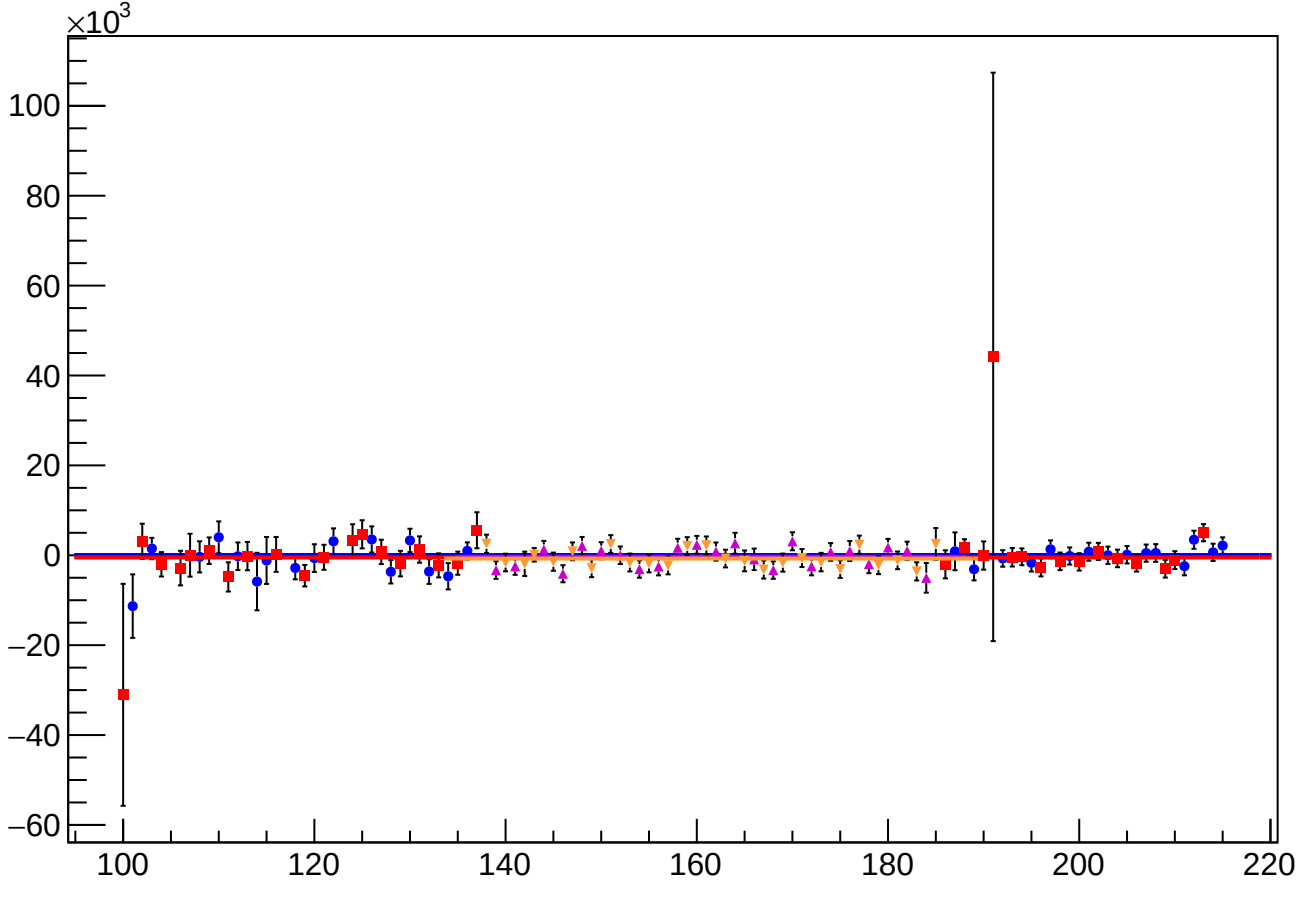
Right: 678.325+/-0.083 χ^2/NDF: 7869941.1/64

In: 489.591+/-0.060 χ^2/NDF:7174439.2/53

Out: 485.033+/-0.060 χ^2/NDF:8981464.7/58

All: 487.311+/-0.042 χ^2/NDF: 16158821.8/1

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: 61.481+/-425.298 χ^2/NDF: 26.3/30

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -485.115+/-434.292 χ^2/NDF: 30.3/33

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

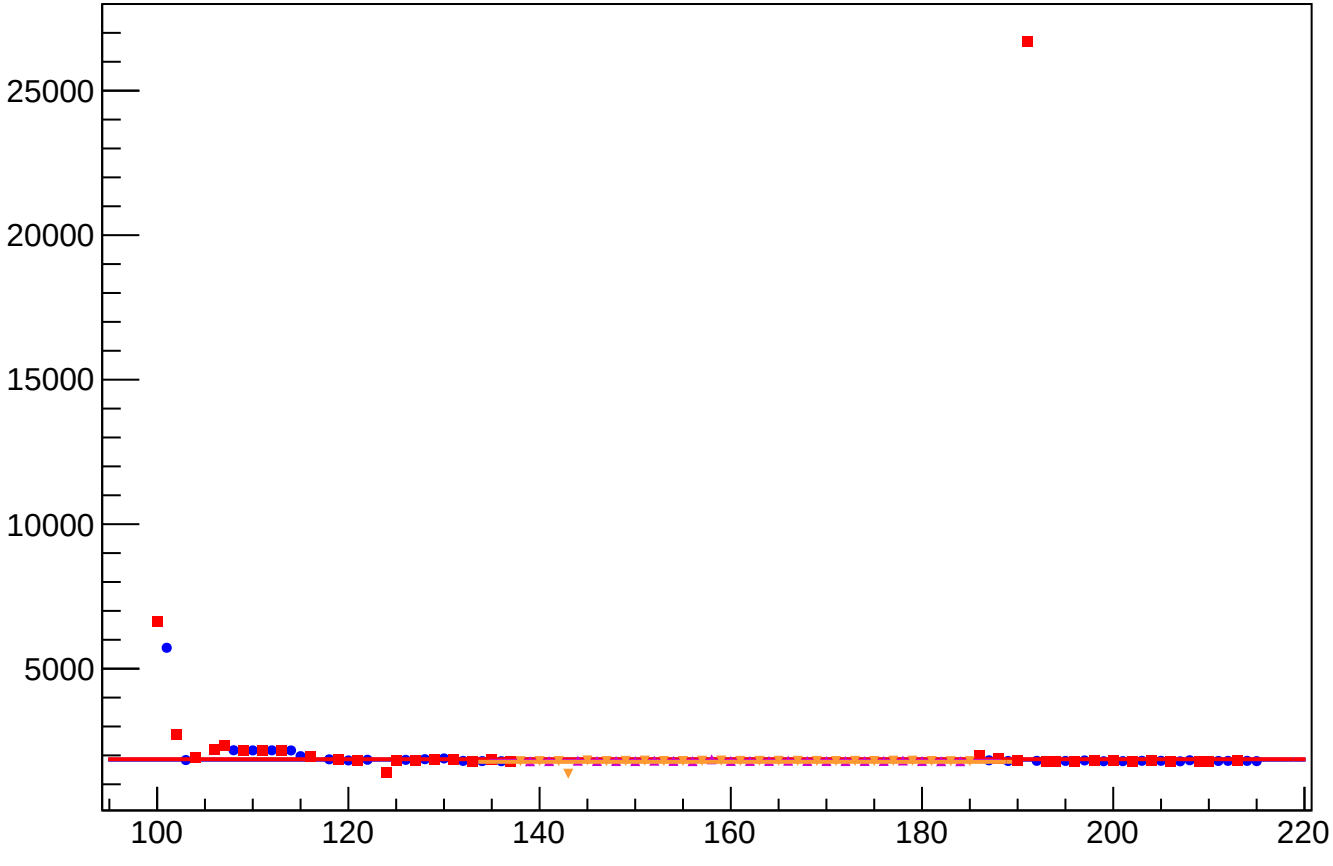
Right: -206.098+/-303.861 χ^2/NDF: 57.4/64

In: -141.030+/-299.865 χ^2/NDF:56.4/53

Out: -613.338+/-295.965 χ^2/NDF:52.7/58

All: -380.275+/-210.644 χ^2/NDF: 110.3/112

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1852.049+/-0.301 χ^2/NDF: 679581.6/30

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1867.250+/-0.307 χ^2/NDF: 636011.7/33

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

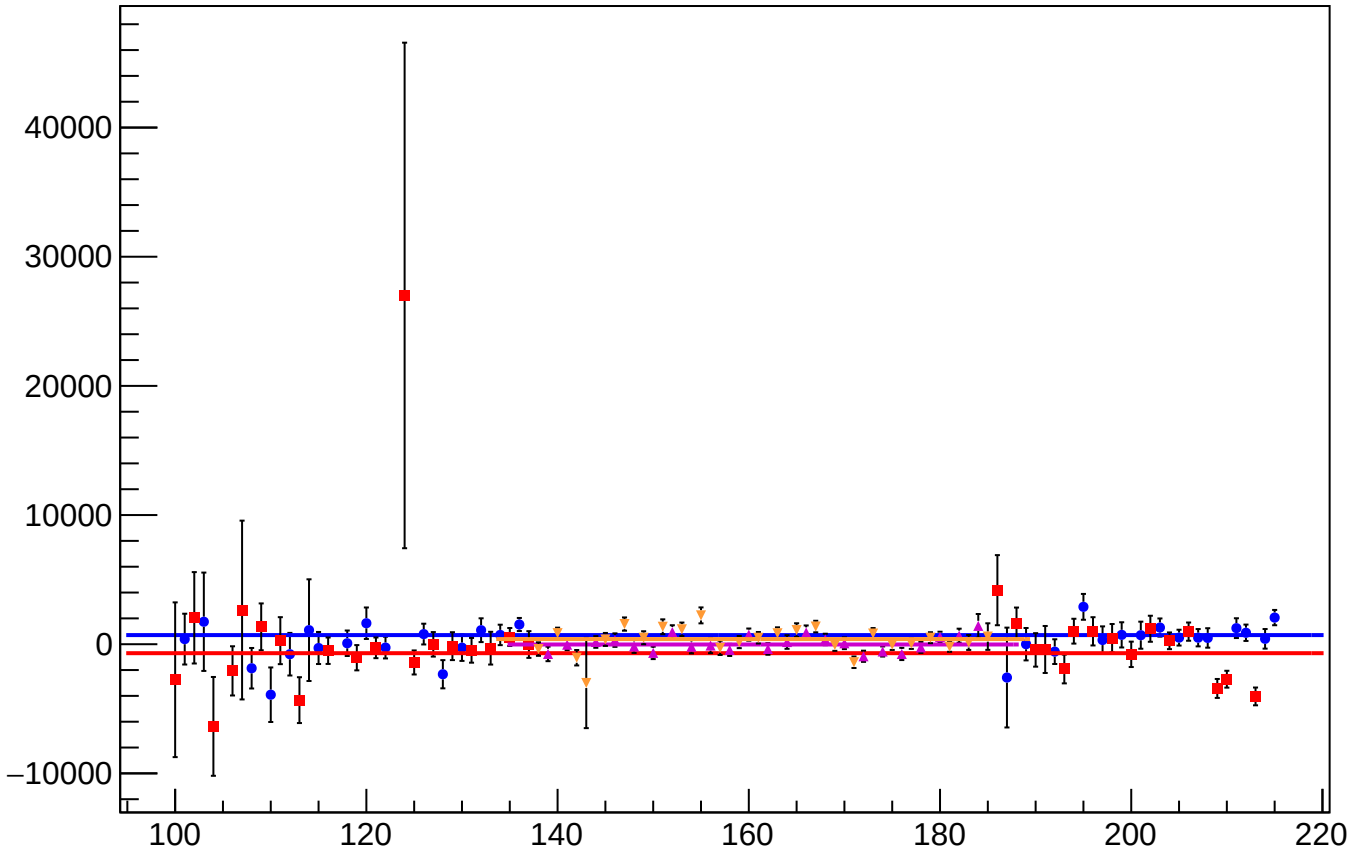
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1859.490+/-0.215 χ^2/NDF: 1316844.2/64

In: 1831.448+/-0.212 χ^2/NDF:690877.9/53

Out: 1818.765+/-0.209 χ^2/NDF:843850.3/58

All: 1825.024+/-0.149 χ^2/NDF: 1536540.6/11



Right In: 706.392+/-161.609 χ^2/NDF: 37.4/30

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -694.556+/-180.293 χ^2/NDF: 89.9/33

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

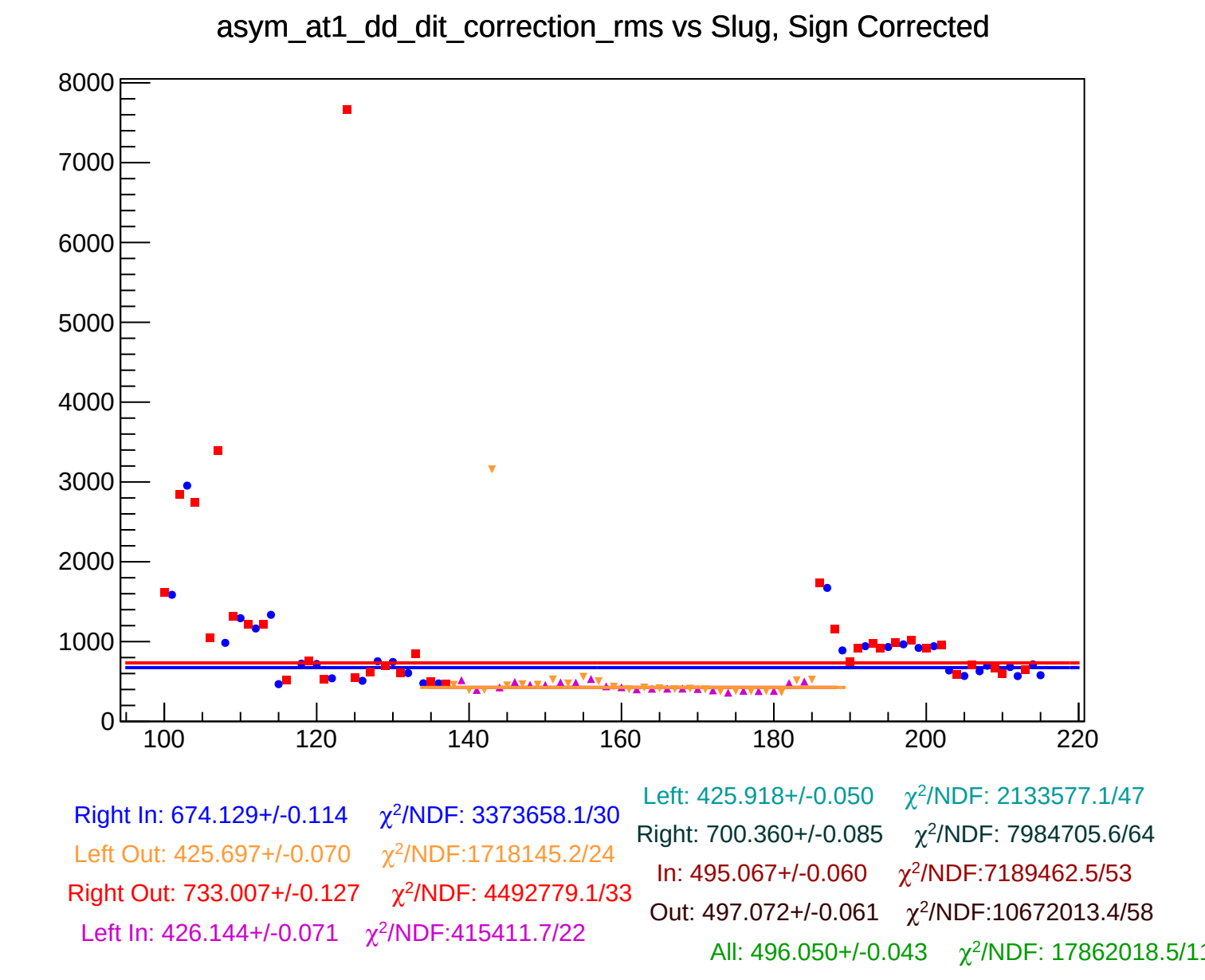
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

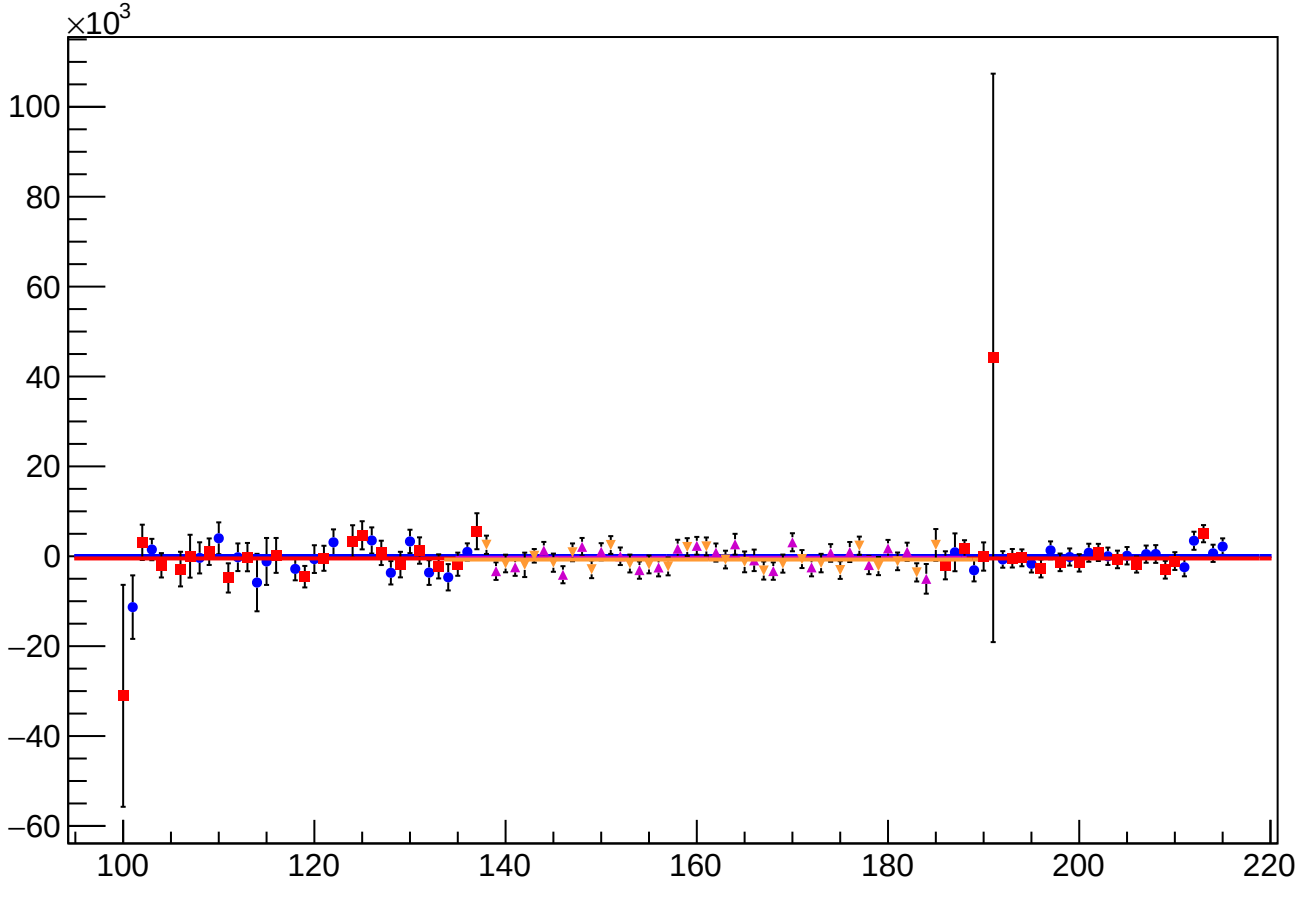
Right: 82.251+/-120.340 χ^2/NDF: 160.7/64

In: 180.839+/-85.199 χ^2/NDF:82.9/53

Out: 144.451+/-86.889 χ^2/NDF:178.6/58

All: 163.003+/-60.834 χ^2/NDF: 261.6/112


asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 674.129+/-0.114 χ²/NDF: 3373658.1/30
Left Out: 425.697+/-0.070 χ²/NDF:1718145.2/24
Right Out: 733.007+/-0.127 χ²/NDF: 4492779.1/33
Left In: 426.144+/-0.071 χ²/NDF:415411.7/22
Left: 425.918+/-0.050 χ²/NDF: 2133577.1/47
Right: 700.360+/-0.085 χ²/NDF: 7984705.6/64
In: 495.067+/-0.060 χ²/NDF:7189462.5/53
Out: 497.072+/-0.061 χ²/NDF:10672013.4/58
All: 496.050+/-0.043 χ²/NDF: 17862018.5/11



Right In: 61.479+/-425.298 χ^2/NDF: 26.3/30

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -485.113+/-434.292 χ^2/NDF: 30.3/33

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

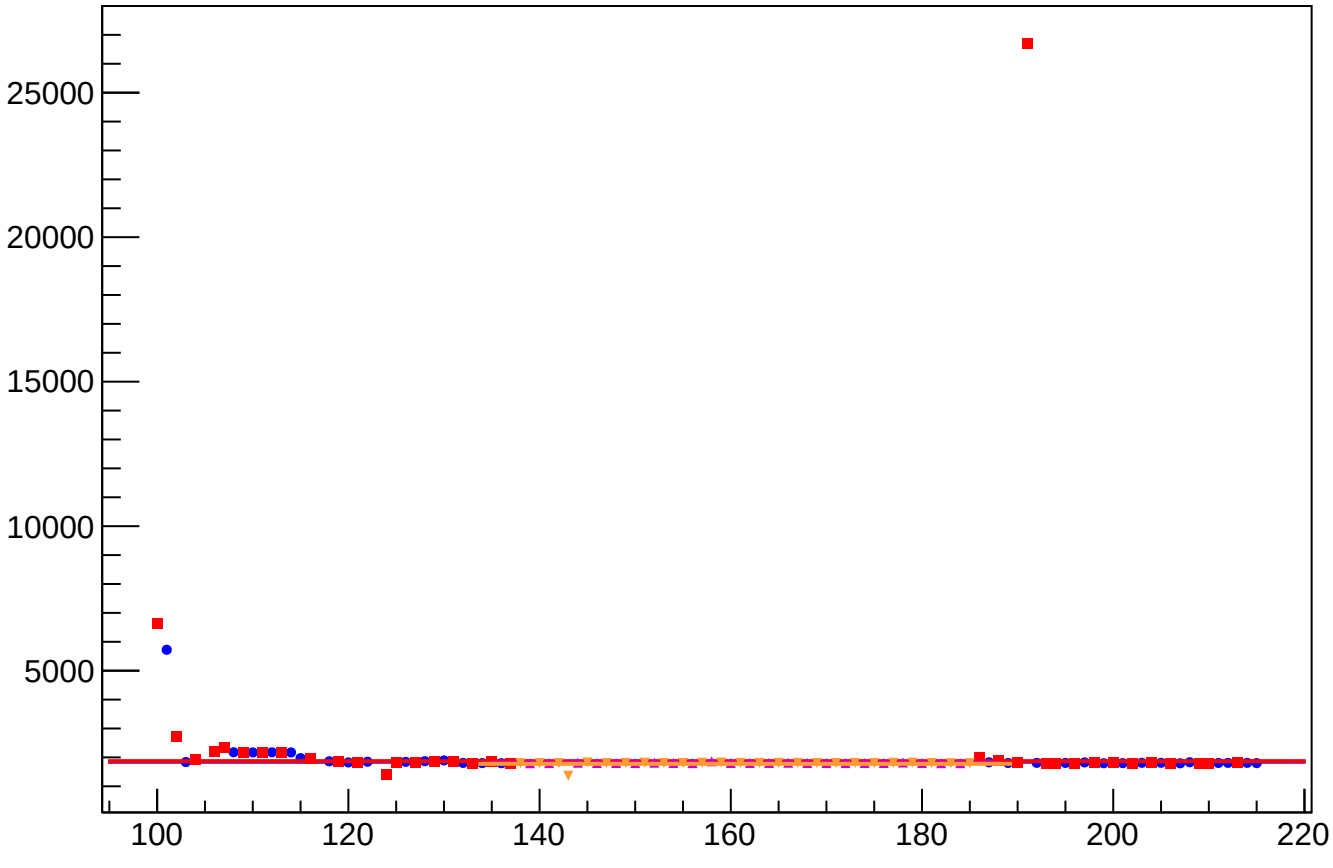
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -206.099+/-303.861 χ^2/NDF: 57.4/64

In: -141.030+/-299.865 χ^2/NDF:56.4/53

Out: -613.338+/-295.965 χ^2/NDF:52.7/58

All: -380.275+/-210.644 χ^2/NDF: 110.3/112



Right In: 1852.049+/-0.301 χ^2/NDF: 679581.6/30

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1867.250+/-0.307 χ^2/NDF: 636011.5/33

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

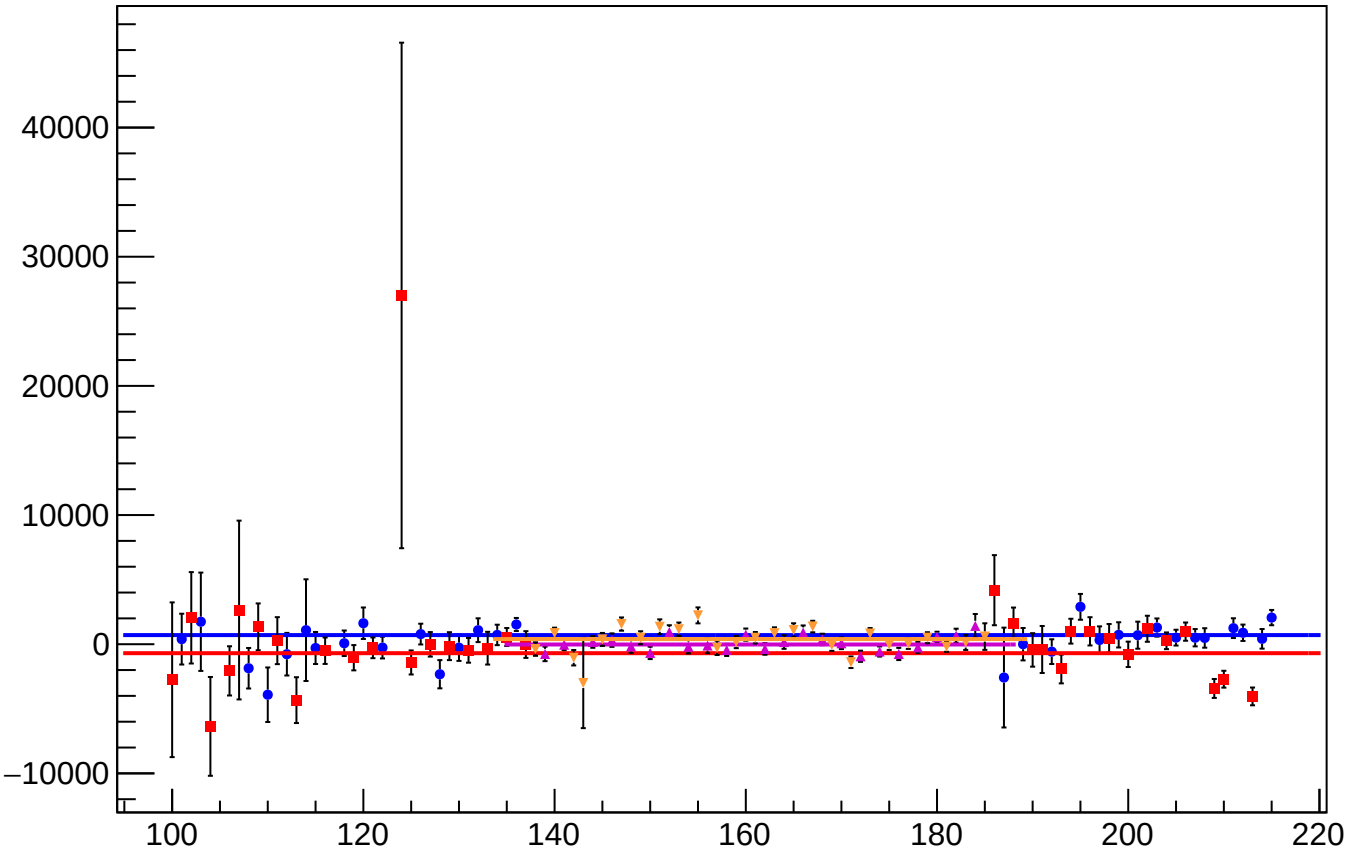
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1859.490+/-0.215 χ^2/NDF: 1316844.0/64

In: 1831.448+/-0.212 χ^2/NDF:690877.9/53

Out: 1818.765+/-0.209 χ^2/NDF:843850.1/58

All: 1825.024+/-0.149 χ^2/NDF: 1536540.4/11



Right In: 706.390+/-161.609 χ^2/NDF: 37.4/30

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -694.554+/-180.293 χ^2/NDF: 89.9/33

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

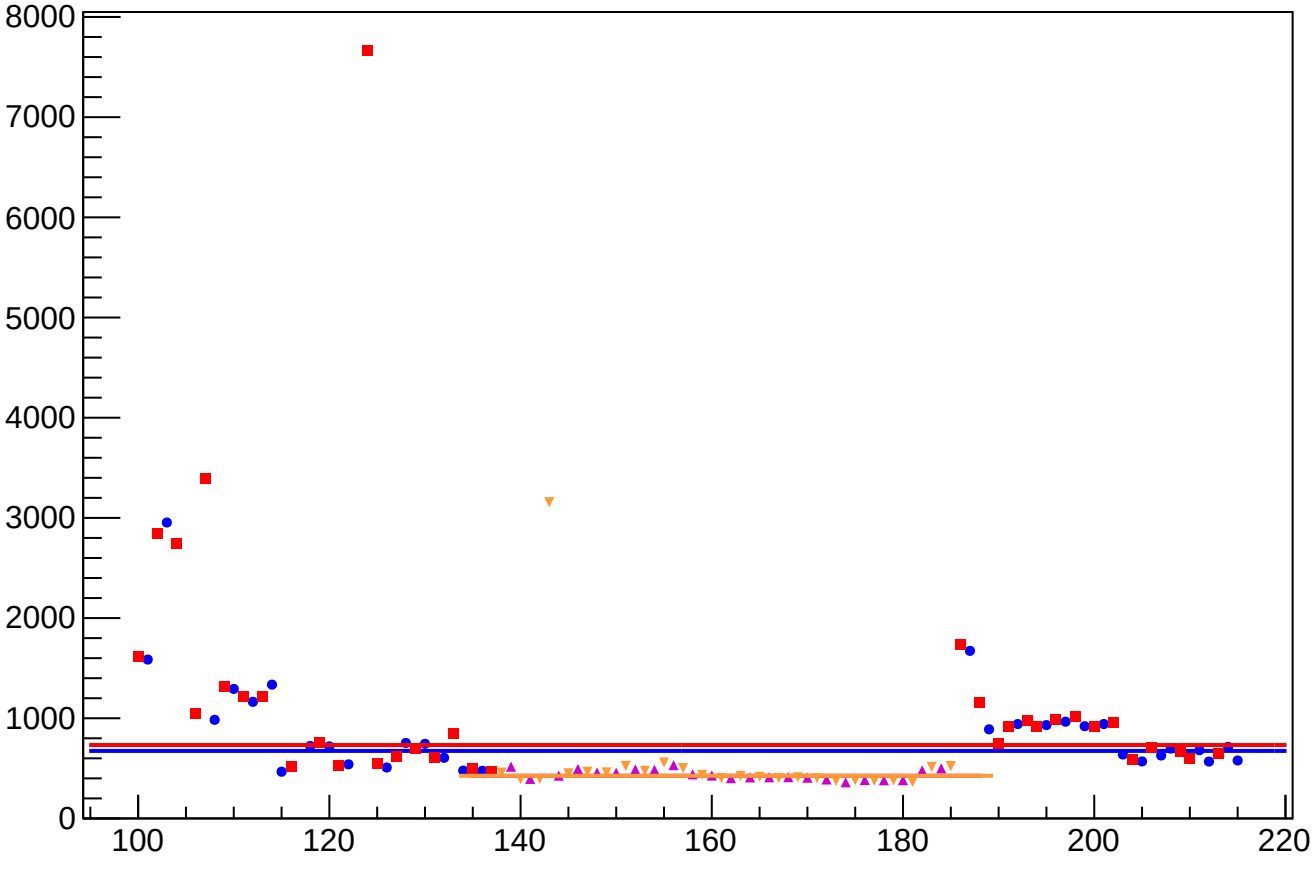
Right: 82.251+/-120.340 χ^2/NDF: 160.7/64

In: 180.839+/-85.199 χ^2/NDF:82.9/53

Out: 144.452+/-86.889 χ^2/NDF:178.6/58

All: 163.003+/-60.833 χ^2/NDF: 261.6/112

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 674.130+/-0.114 χ^2/NDF: 3373657.4/30

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 733.008+/-0.127 χ^2/NDF: 4492776.5/33

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

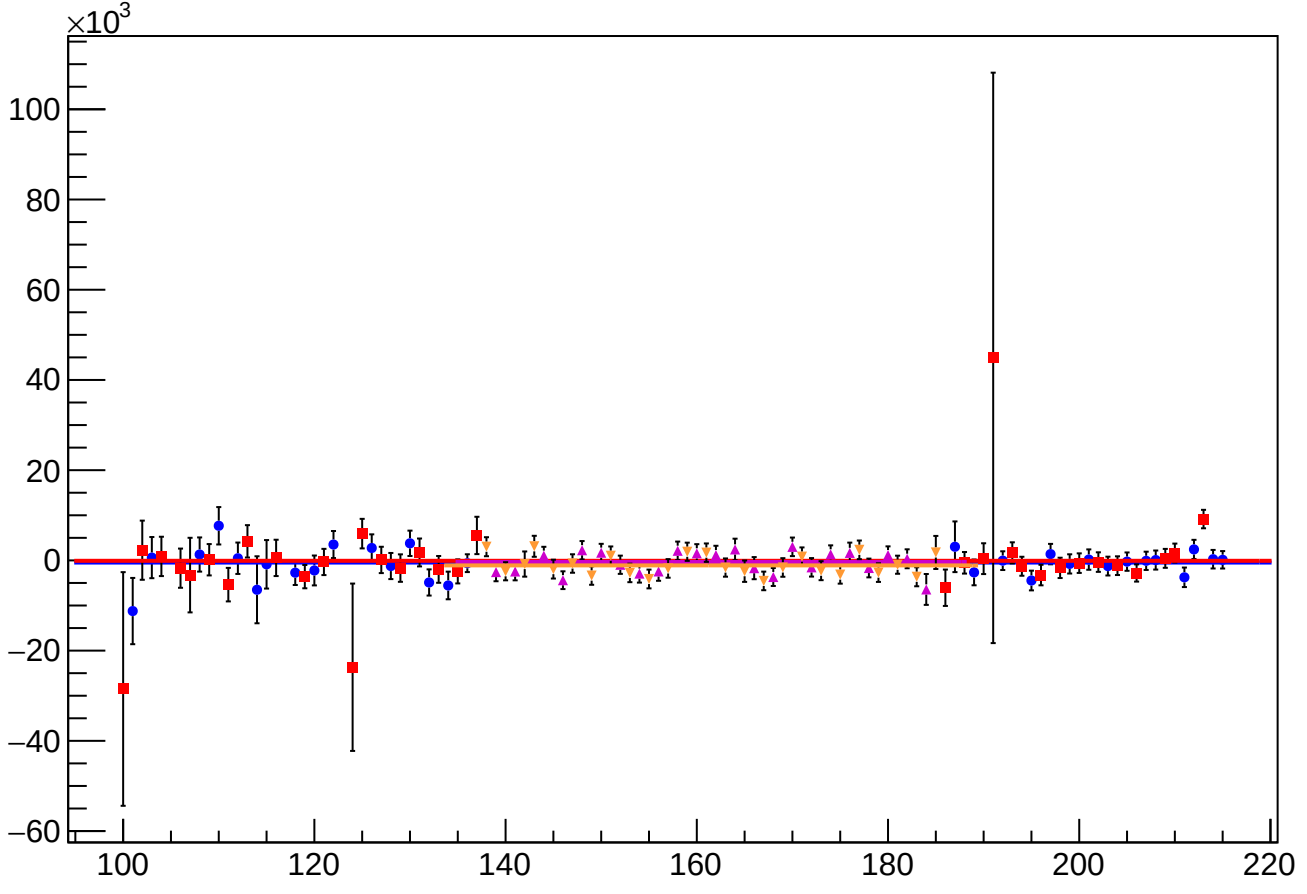
Right: 700.361+/-0.085 χ^2/NDF: 7984702.8/64

In: 495.067+/-0.060 χ^2/NDF:7189478.2/53

Out: 497.072+/-0.061 χ^2/NDF:10672032.8/58

All: 496.050+/-0.043 χ^2/NDF: 17862053.7/1

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -476.639+/-466.662 χ^2/NDF: 28.1/30

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -89.826+/-488.230 χ^2/NDF: 45.3/33

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

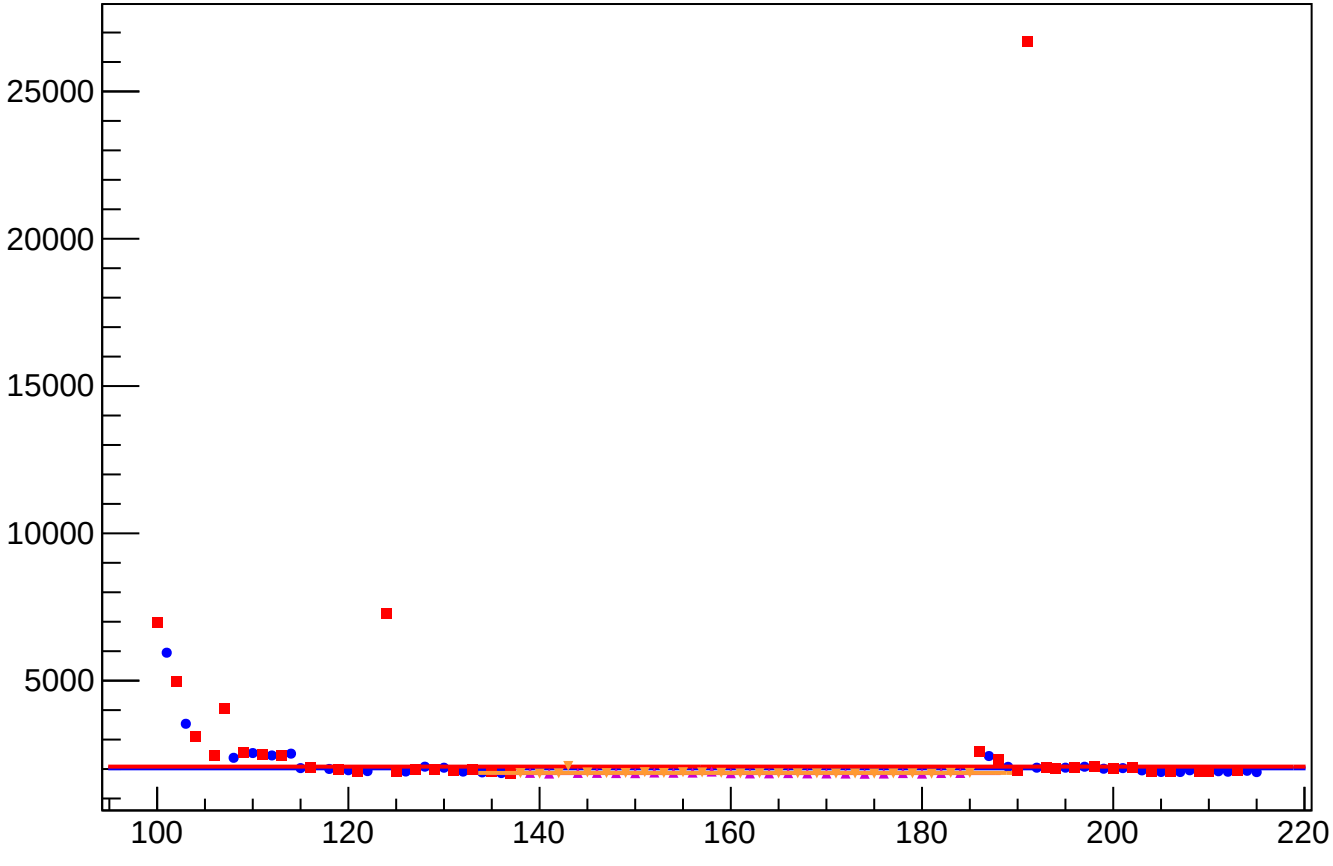
Right: -291.965+/-337.347 χ^2/NDF: 73.8/64

In: -407.231+/-318.176 χ^2/NDF:56.9/53

Out: -668.228+/-320.409 χ^2/NDF:75.8/58

All: -536.817+/-225.770 χ^2/NDF: 133.1/112

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2024.249+/-0.330 χ^2/NDF: 961776.3/30

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2082.248+/-0.345 χ^2/NDF: 1403582.6/33

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

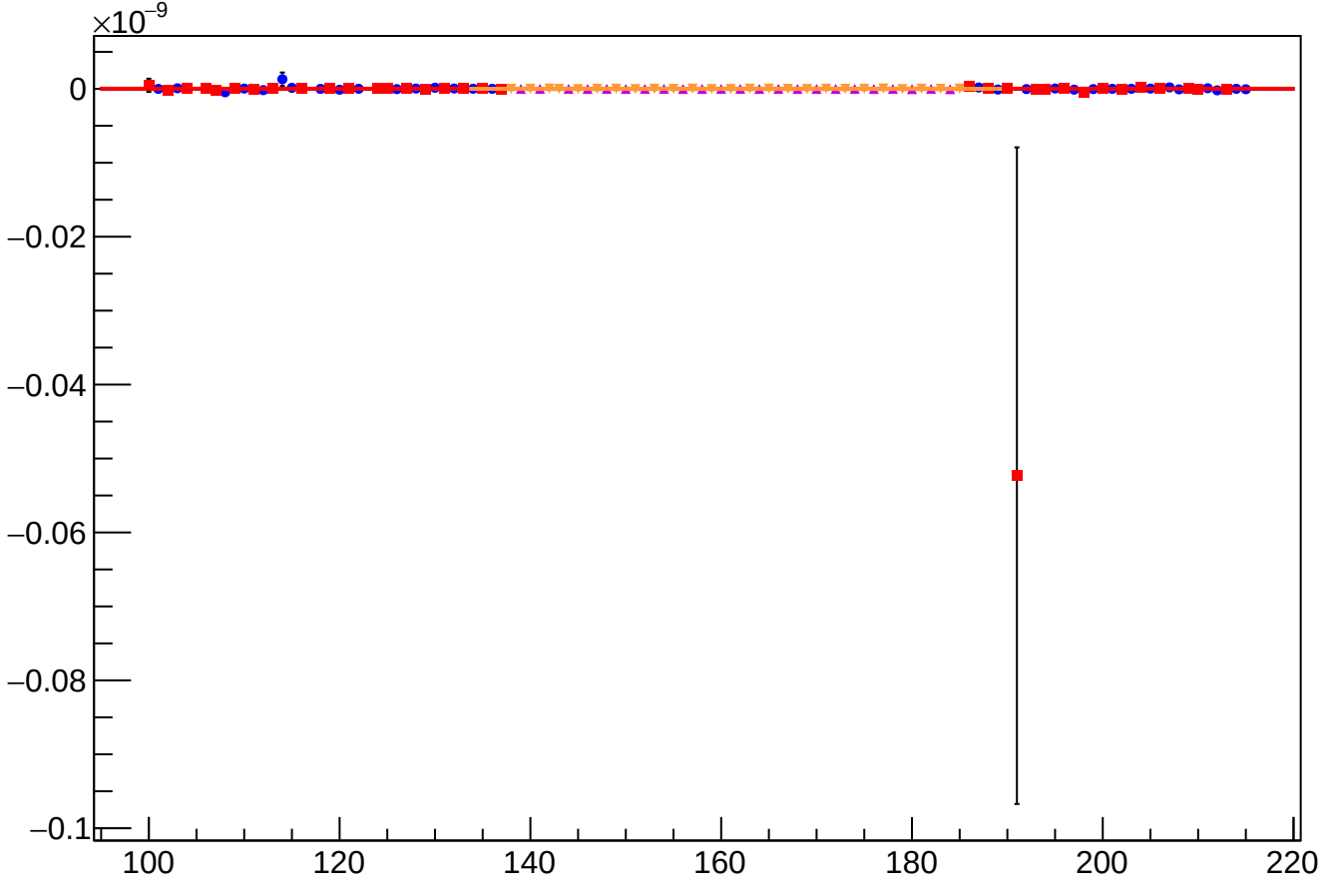
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2051.939+/-0.239 χ^2/NDF: 2380108.3/64

In: 1937.867+/-0.225 χ^2/NDF:1092548.1/53

Out: 1960.810+/-0.227 χ^2/NDF:1644239.6/58

All: 1949.258+/-0.160 χ^2/NDF: 2741950.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/33

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

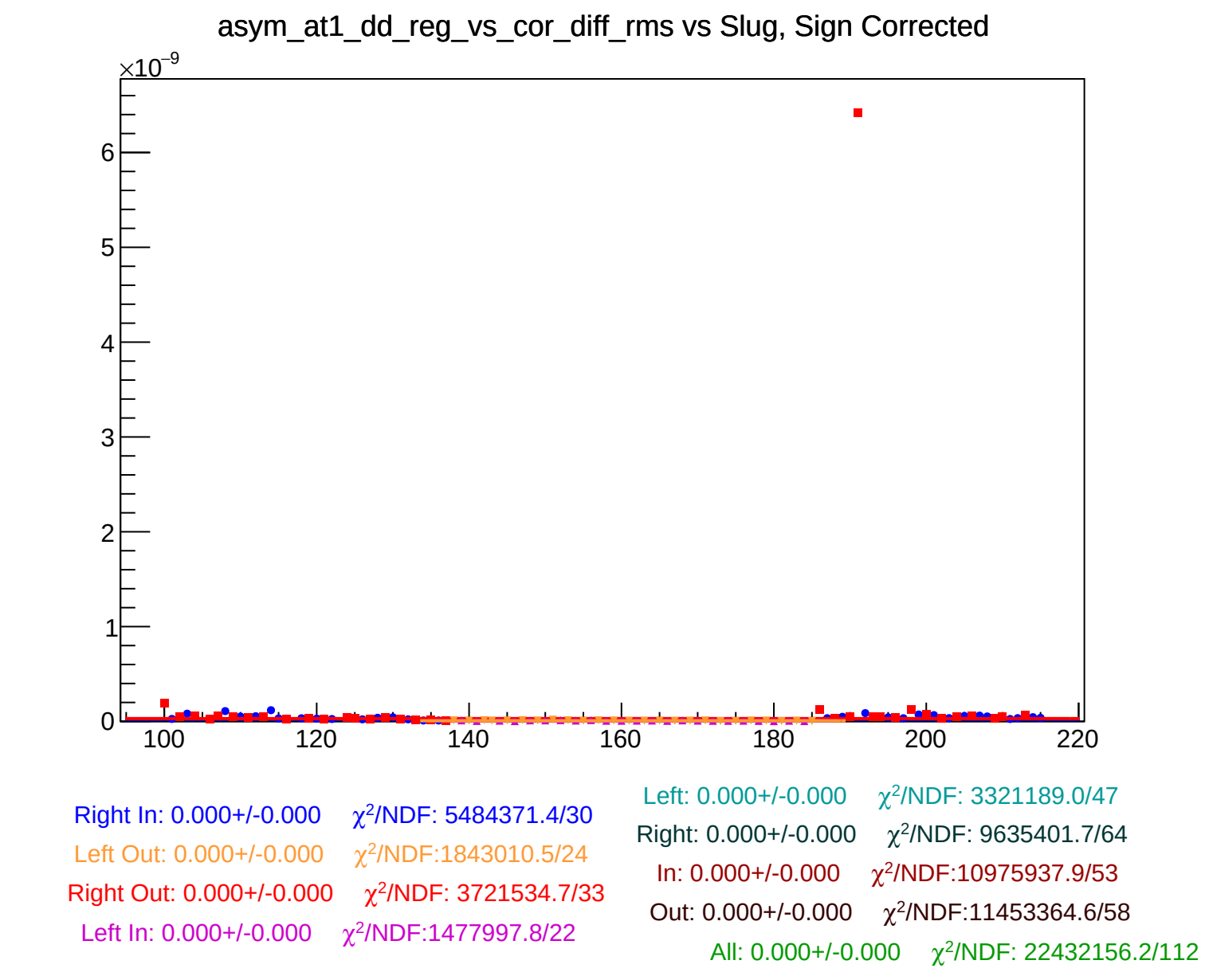
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

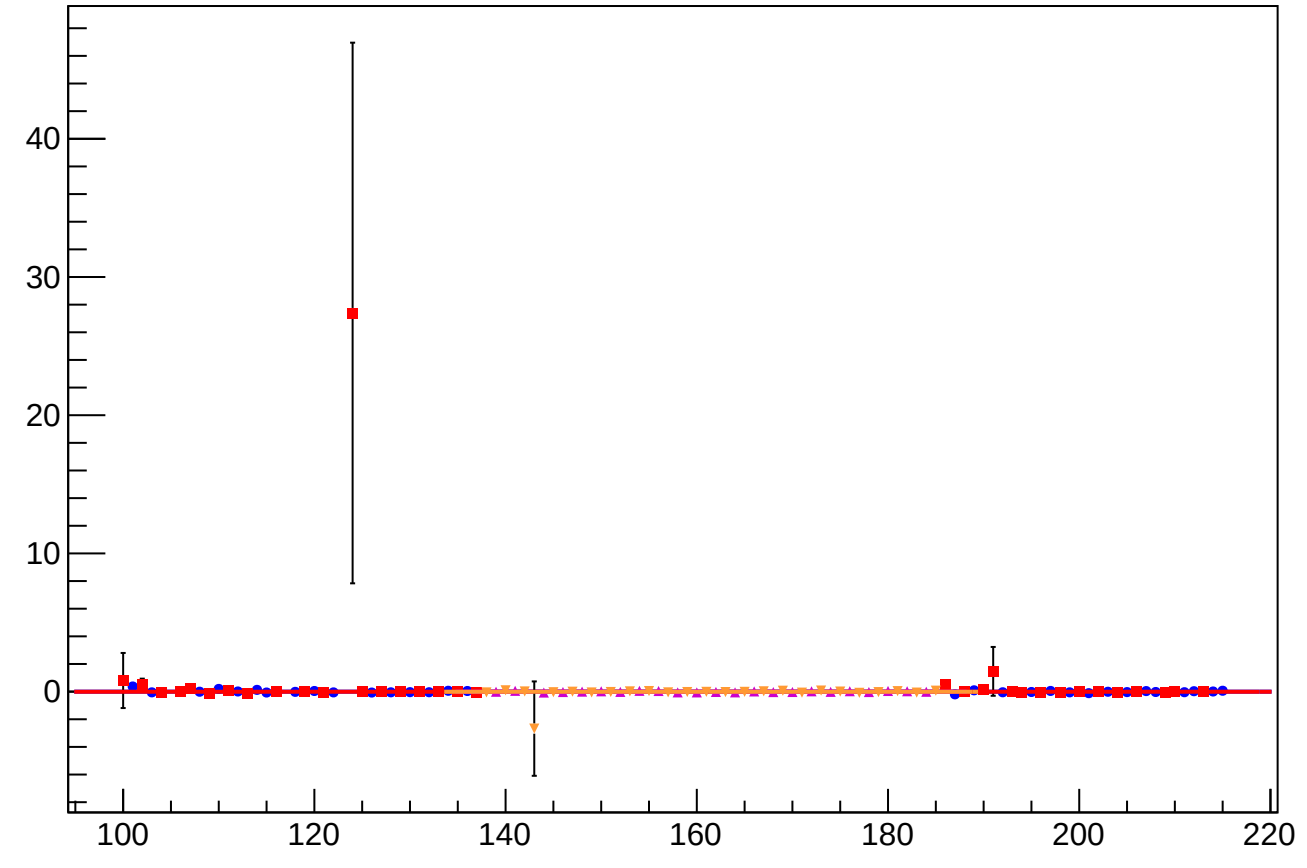
Right: 0.000+/-0.000 χ^2/NDF: 72.8/64

In: -0.000+/-0.000 χ^2/NDF:54.8/53

Out: 0.000+/-0.000 χ^2/NDF:77.6/58

All: -0.000+/-0.000 χ^2/NDF: 134.4/112


asym_at1_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: 5484371.4/30
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3721534.7/33
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: 9635401.7/64
In: 0.000+/-0.000 χ²/NDF:10975937.9/53
Out: 0.000+/-0.000 χ²/NDF:11453364.6/58
All: 0.000+/-0.000 χ²/NDF: 22432156.2/112



Right In: -0.002+/-0.011 χ^2/NDF: 31.6/30

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.011 χ^2/NDF: 28.2/33

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

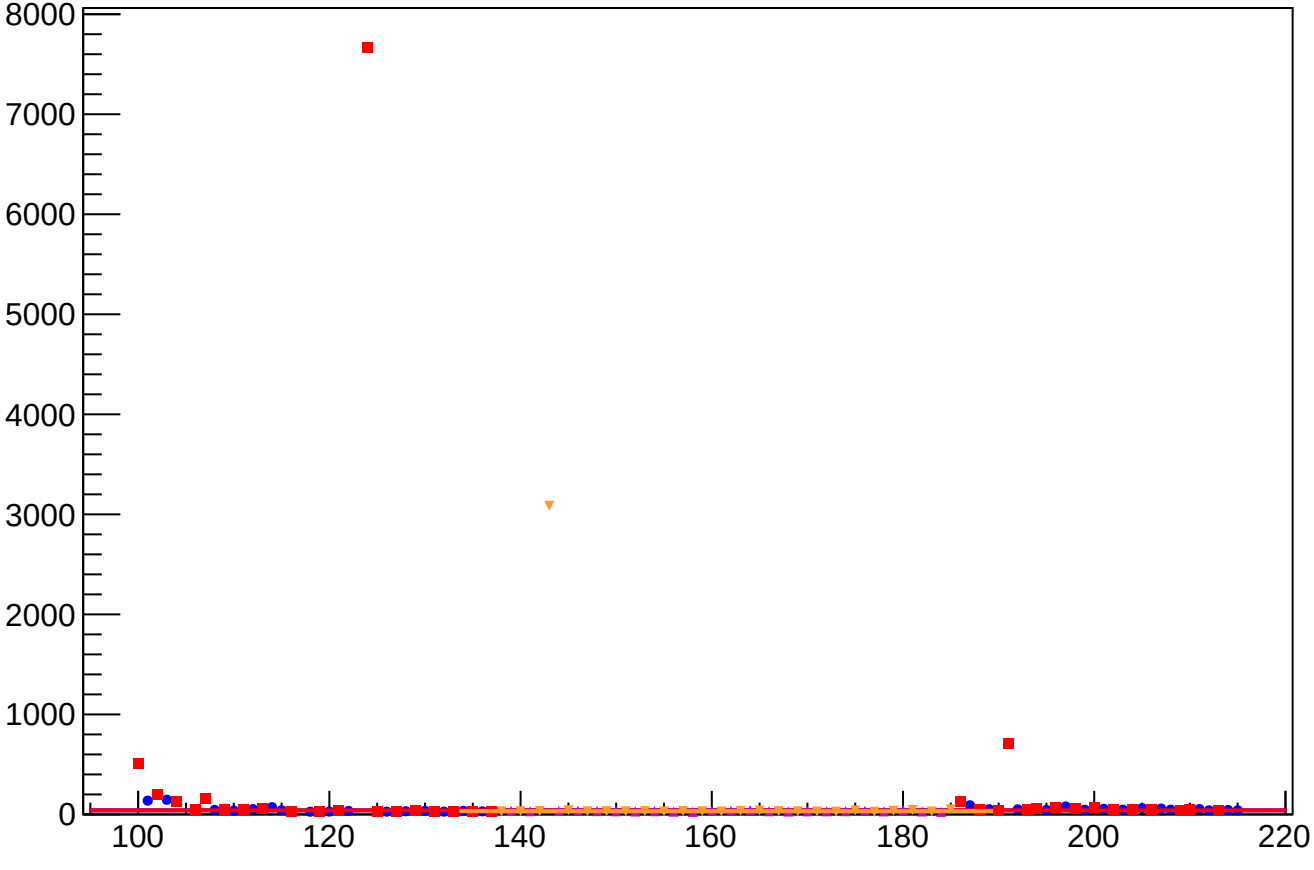
Right: -0.005+/-0.008 χ^2/NDF: 60.0/64

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.006+/-0.005 χ^2/NDF: 120.7/112

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.351+/-0.008 χ^2/NDF: 3363872.6/30

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.895+/-0.008 χ^2/NDF: 4355612.3/33

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

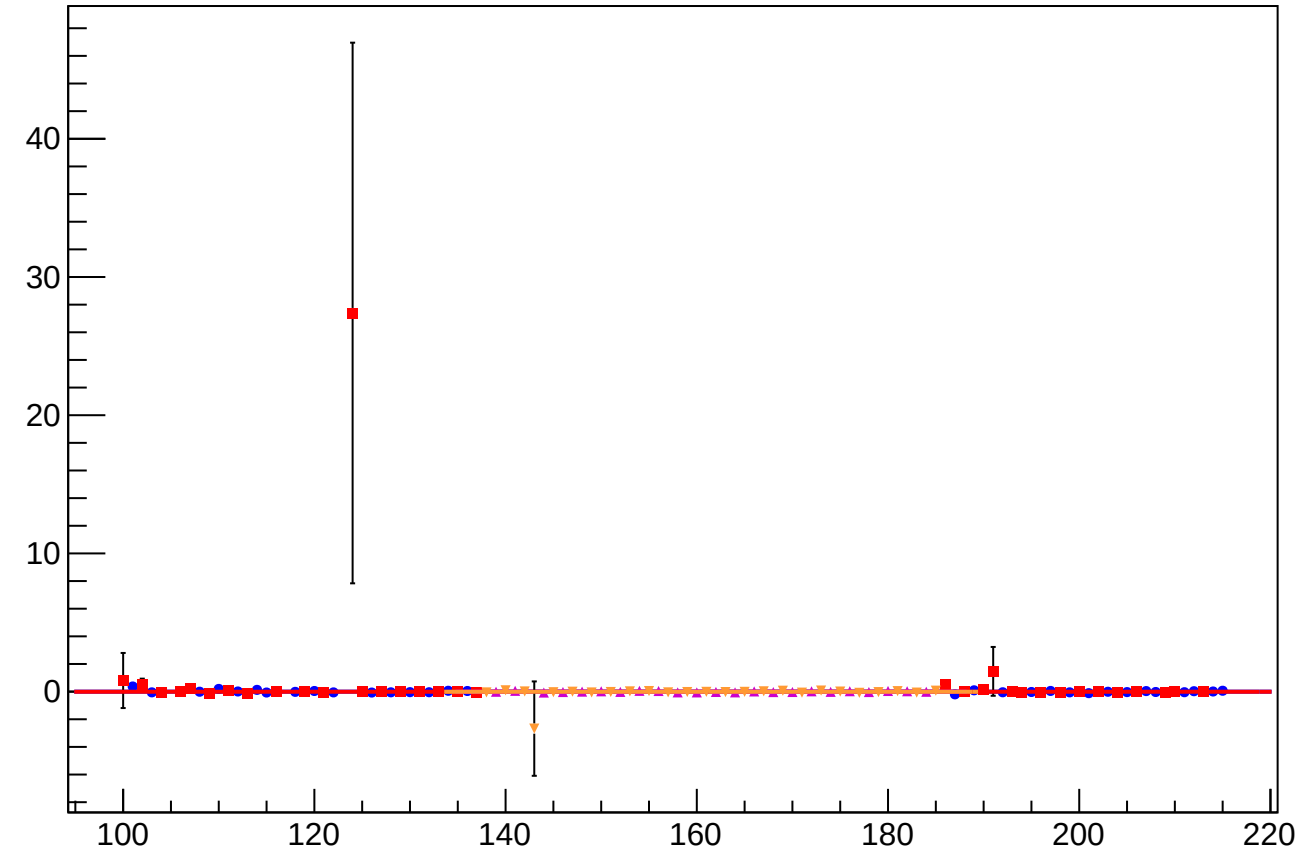
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.130+/-0.005 χ^2/NDF: 7721227.7/64

In: 35.753+/-0.005 χ^2/NDF:4656187.3/53

Out: 35.333+/-0.005 χ^2/NDF:7253812.3/58

All: 35.544+/-0.003 χ^2/NDF: 11914052.7/112



Right In: -0.002+/-0.011 χ^2/NDF: 31.6/30

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.011 χ^2/NDF: 28.2/33

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

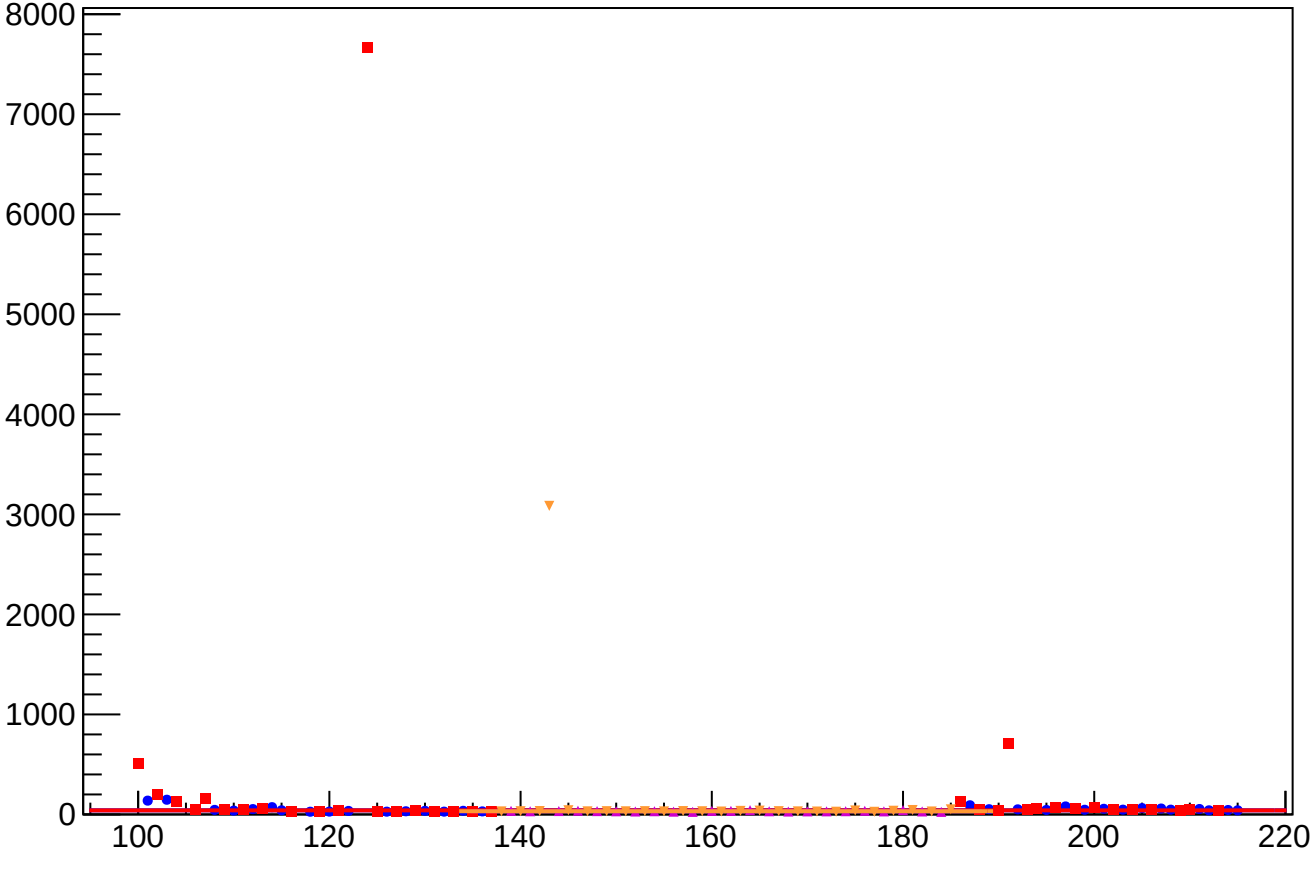
Right: -0.005+/-0.008 χ^2/NDF: 60.0/64

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.006+/-0.005 χ^2/NDF: 120.7/112

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.351+/-0.008 χ^2/NDF: 3363872.6/30

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.895+/-0.008 χ^2/NDF: 4355612.3/33

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

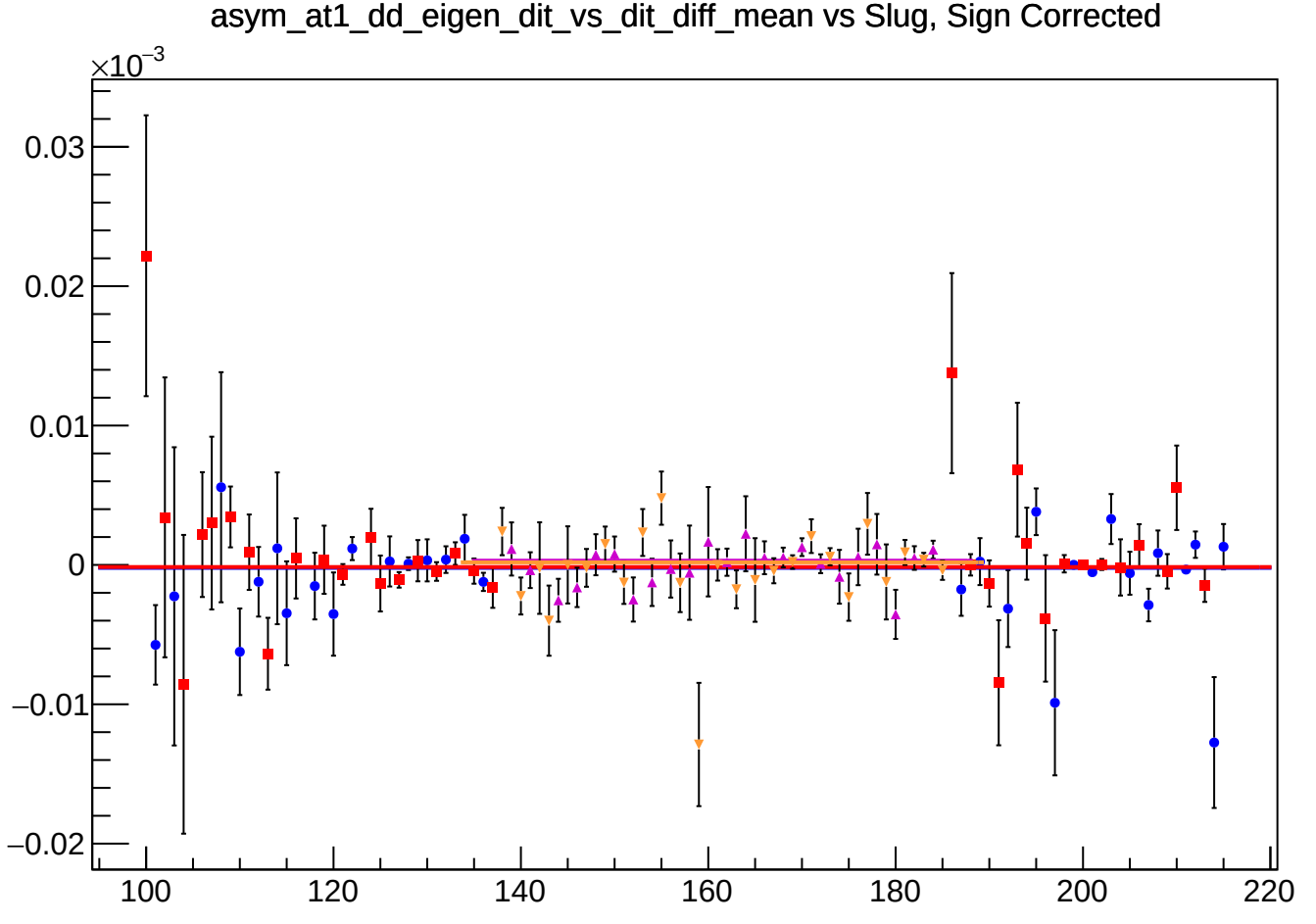
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.130+/-0.005 χ^2/NDF: 7721227.7/64

In: 35.753+/-0.005 χ^2/NDF:4656187.3/53

Out: 35.333+/-0.005 χ^2/NDF:7253812.3/58

All: 35.544+/-0.003 χ^2/NDF: 11914052.7/112



Right In: -0.000+/-0.000 χ^2/NDF: 51.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.7/33

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

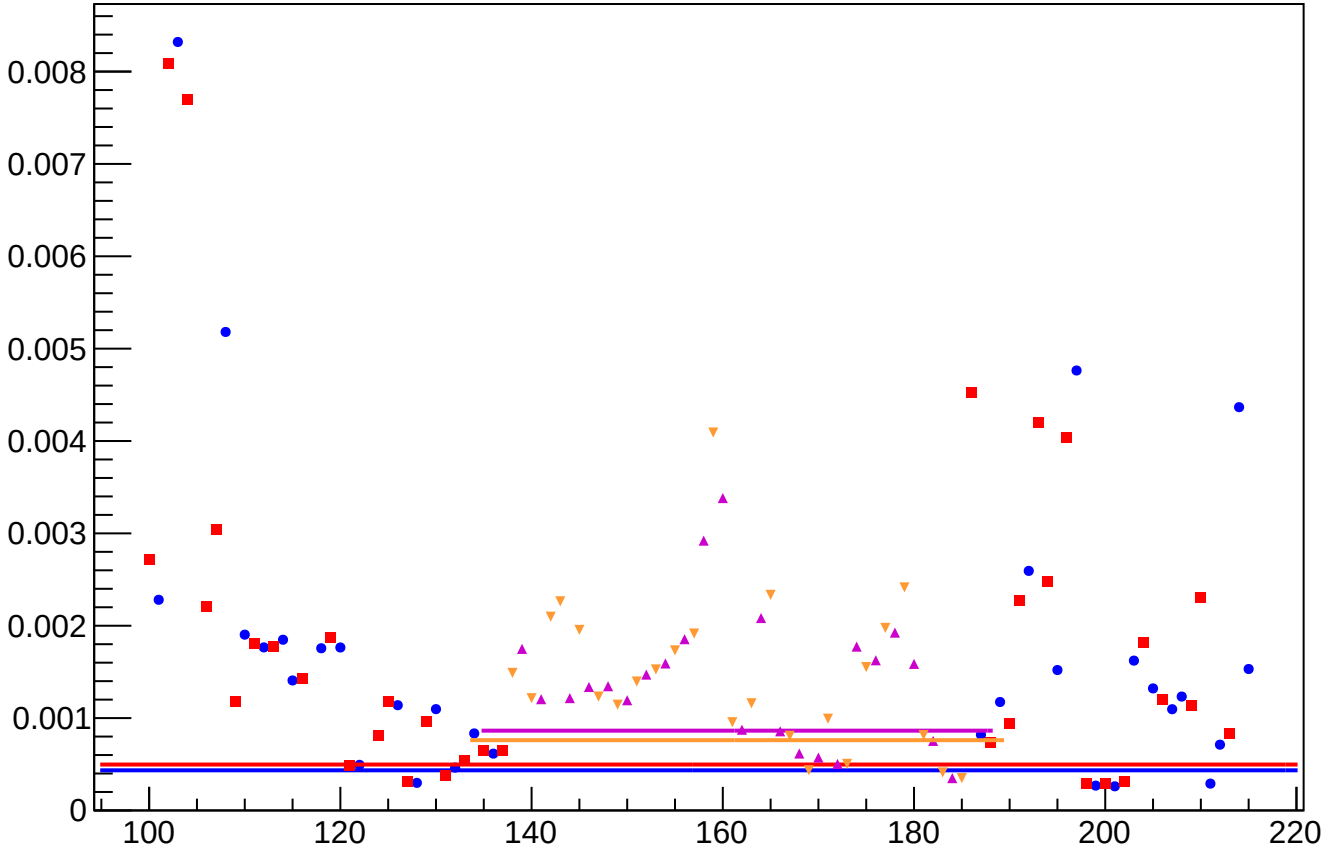
Right: -0.000+/-0.000 χ^2/NDF: 91.6/64

In: -0.000+/-0.000 χ^2/NDF:75.4/53

Out: -0.000+/-0.000 χ^2/NDF:78.8/58

All: -0.000+/-0.000 χ^2/NDF: 154.3/112

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16844319.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14741885.2/33

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

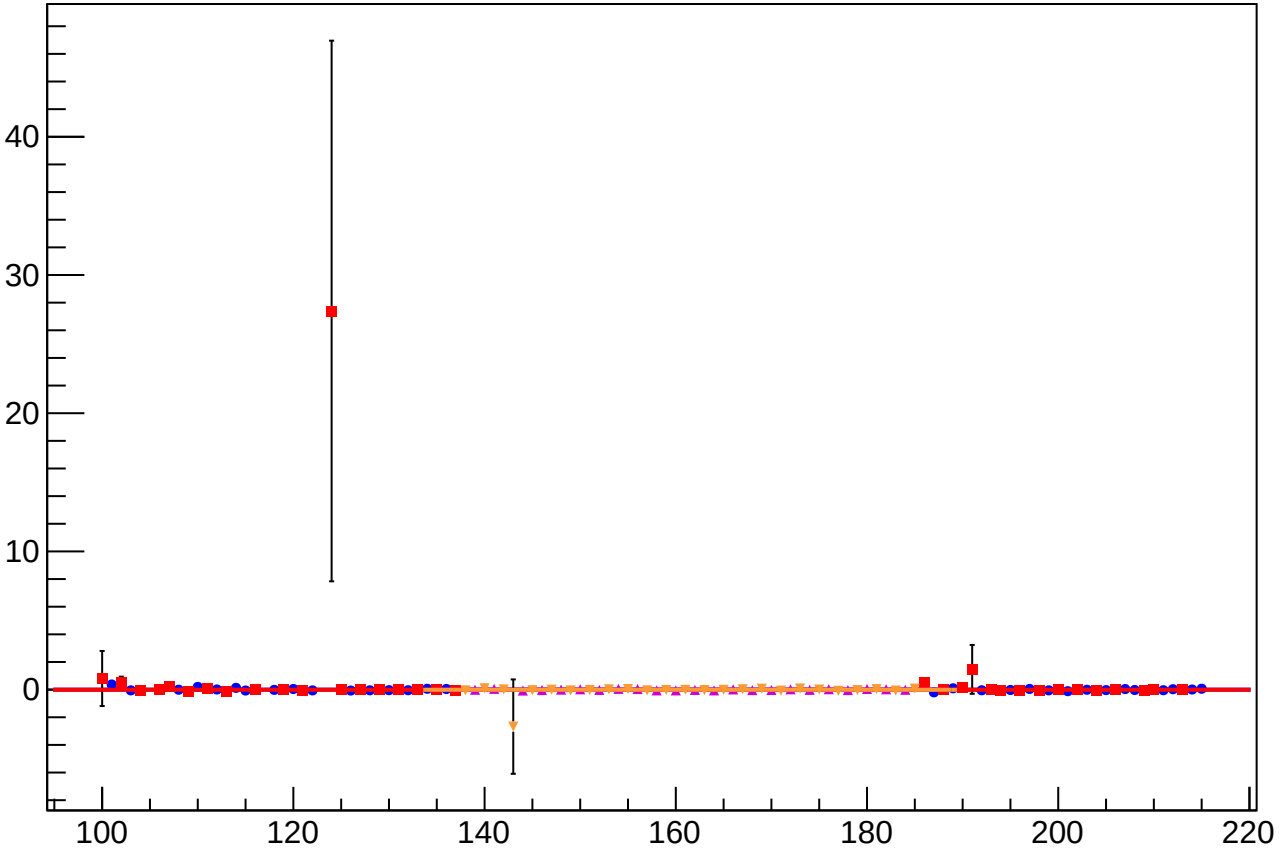
Right: 0.000+/-0.000 χ^2/NDF: 31749646.4/64

In: 0.001+/-0.000 χ^2/NDF:30039031.8/53

Out: 0.001+/-0.000 χ^2/NDF:27742362.7/58

All: 0.001+/-0.000 χ^2/NDF: 57941484.9/112

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.011 χ^2/NDF: 31.6/30

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.011 χ^2/NDF: 28.2/33

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

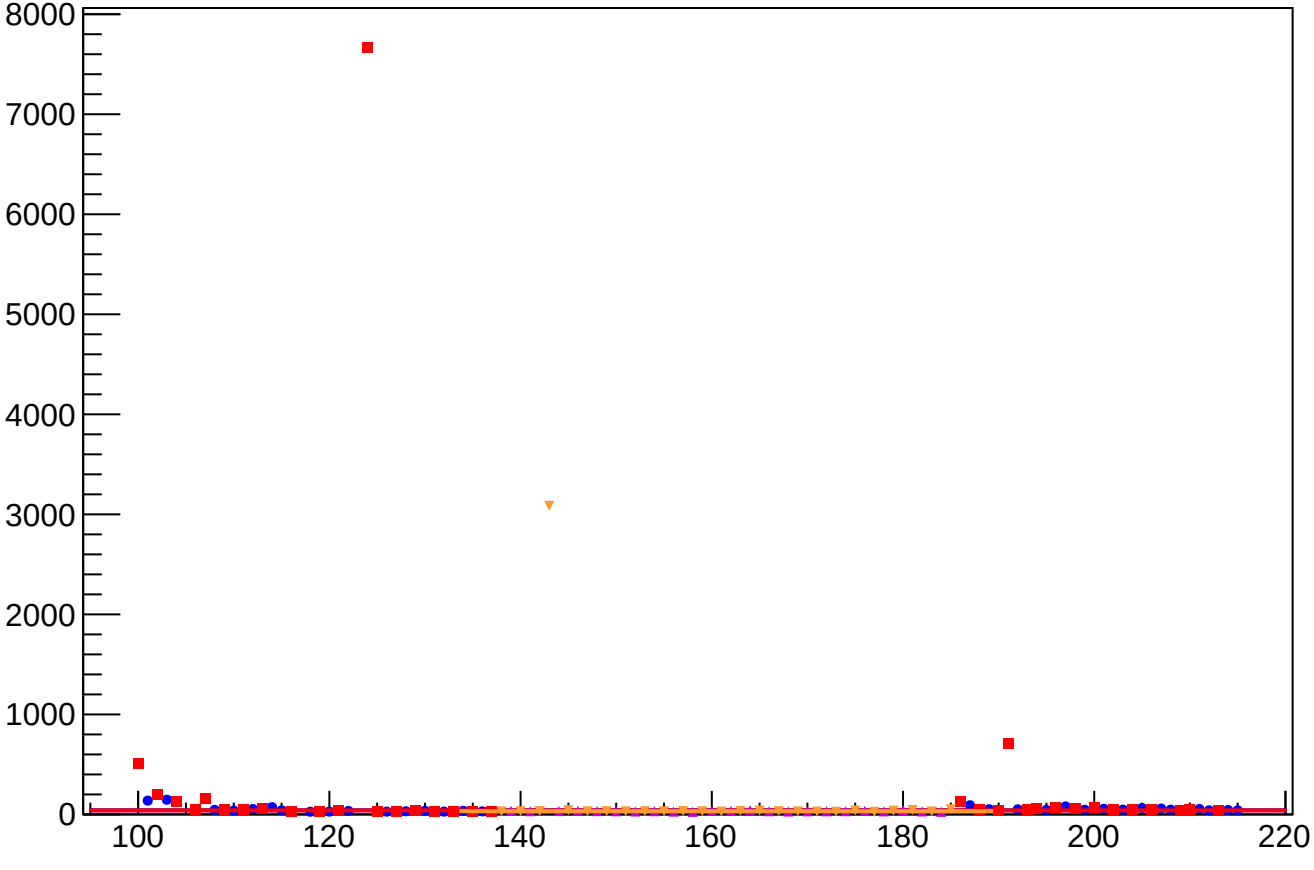
Right: -0.005+/-0.008 χ^2/NDF: 60.0/64

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.006+/-0.005 χ^2/NDF: 120.7/112

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.351+/-0.008 χ^2/NDF: 3363865.7/30

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.895+/-0.008 χ^2/NDF: 4355626.6/33

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

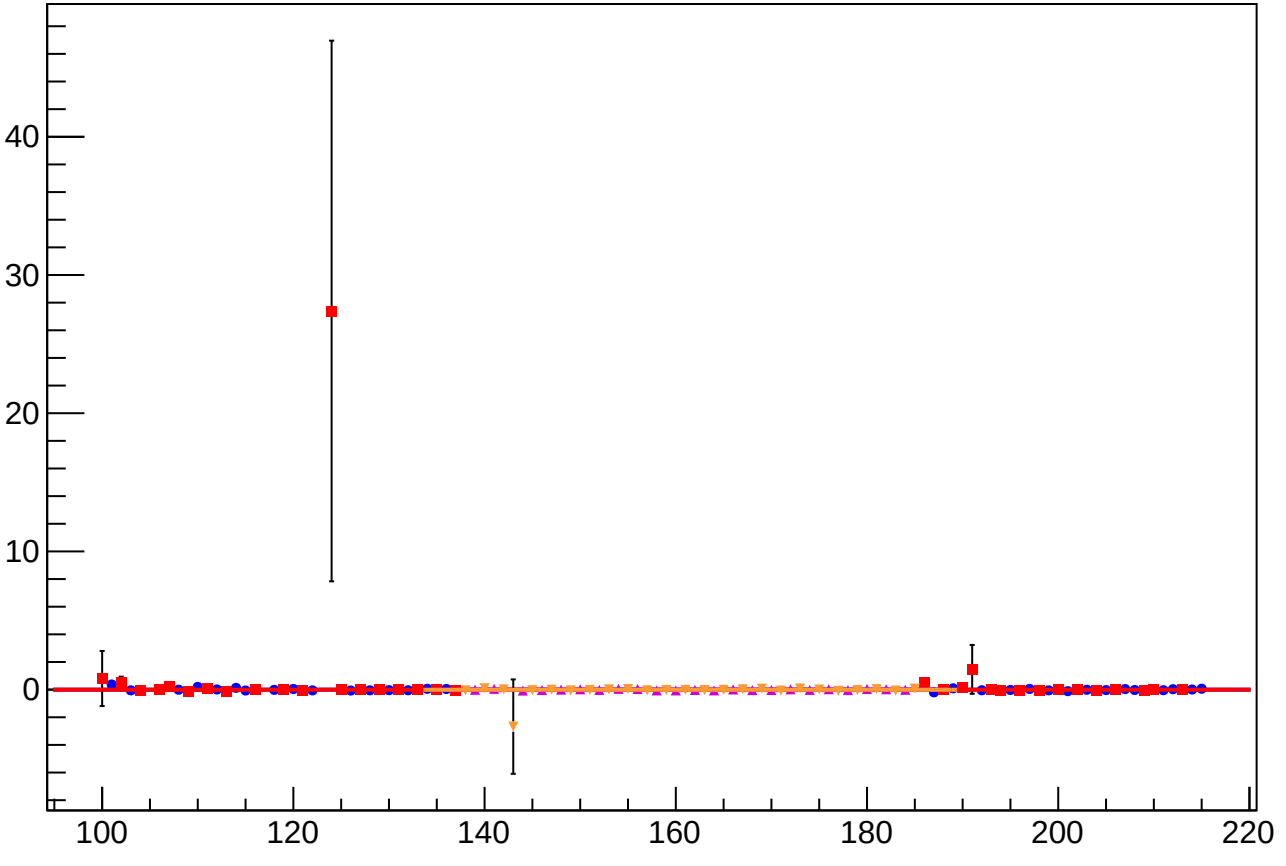
Right: 41.130+/-0.005 χ^2/NDF: 7721234.9/64

In: 35.753+/-0.005 χ^2/NDF:4656047.8/53

Out: 35.333+/-0.005 χ^2/NDF:7253890.1/58

All: 35.545+/-0.003 χ^2/NDF: 11913995.1/112

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.011 χ^2/NDF: 31.6/30

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.011 χ^2/NDF: 28.2/33

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

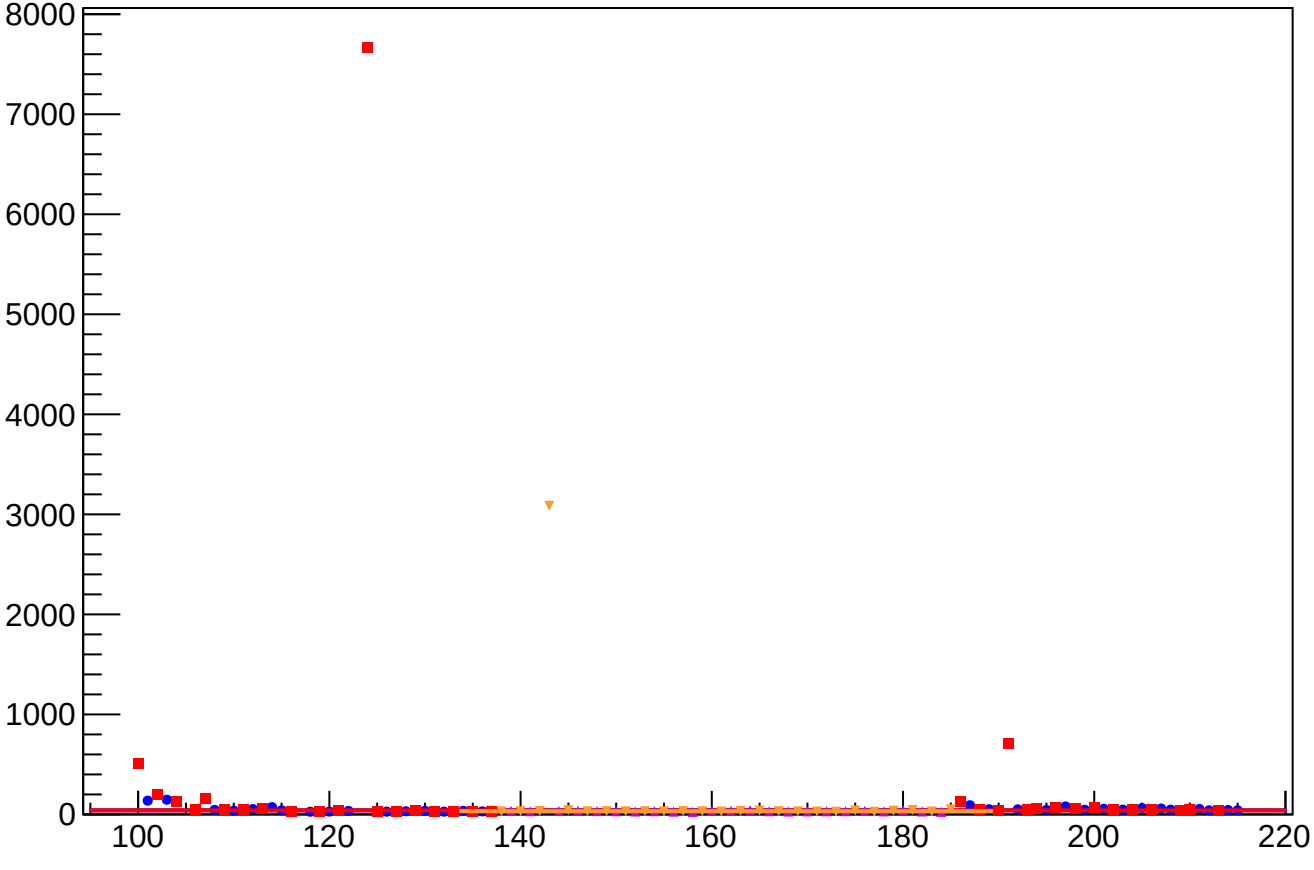
Right: -0.005+/-0.008 χ^2/NDF: 60.0/64

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.009+/-0.007 χ^2/NDF:67.7/58

All: -0.006+/-0.005 χ^2/NDF: 120.7/112

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.351+/-0.008 χ^2/NDF: 3363865.7/30

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.895+/-0.008 χ^2/NDF: 4355626.6/33

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

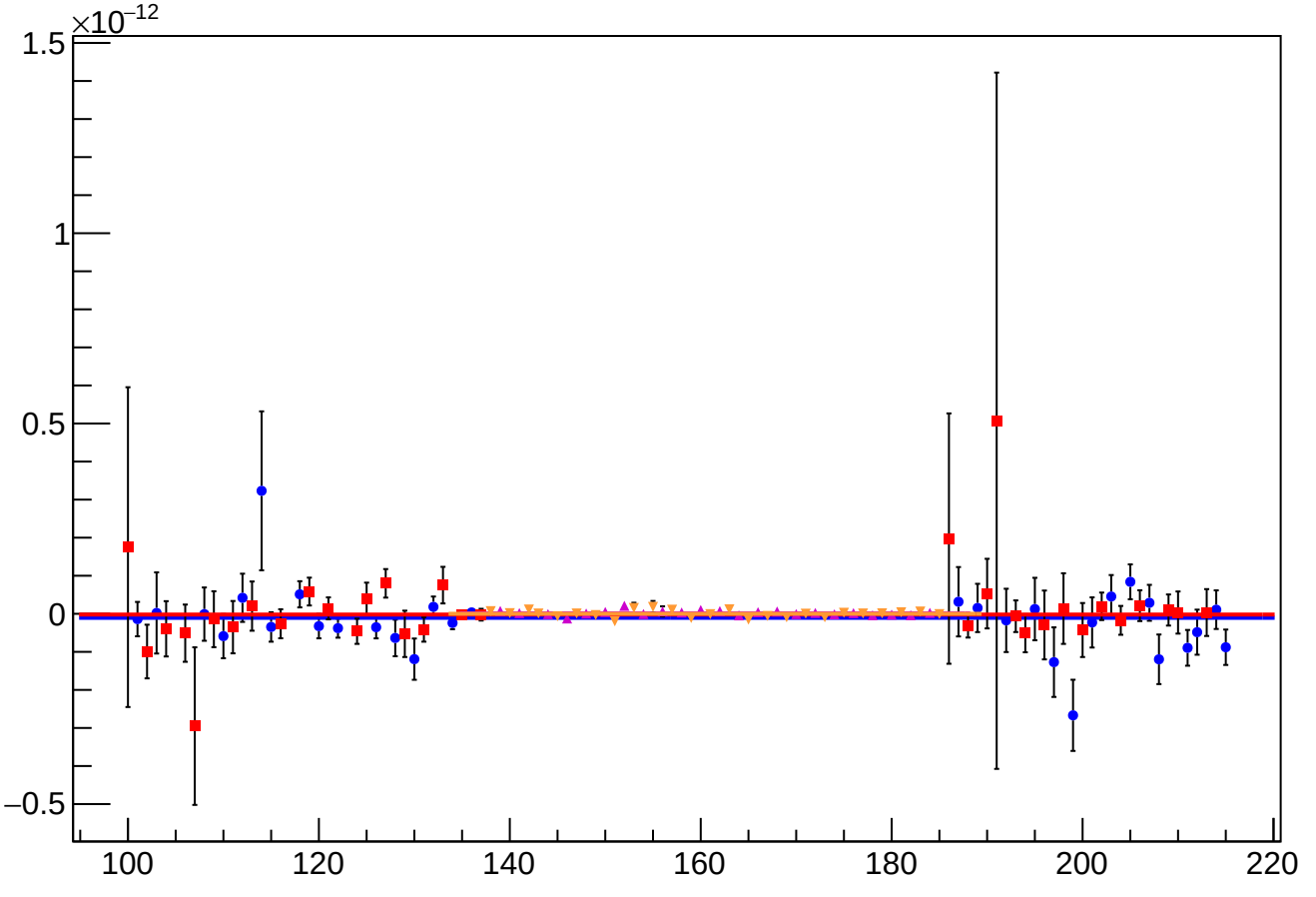
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 41.130+/-0.005 χ^2/NDF: 7721234.9/64

In: 35.753+/-0.005 χ^2/NDF:4656047.8/53

Out: 35.333+/-0.005 χ^2/NDF:7253890.1/58

All: 35.545+/-0.003 χ^2/NDF: 11913995.1/112



Right In: -0.000+/-0.000 χ^2/NDF: 43.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/33

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

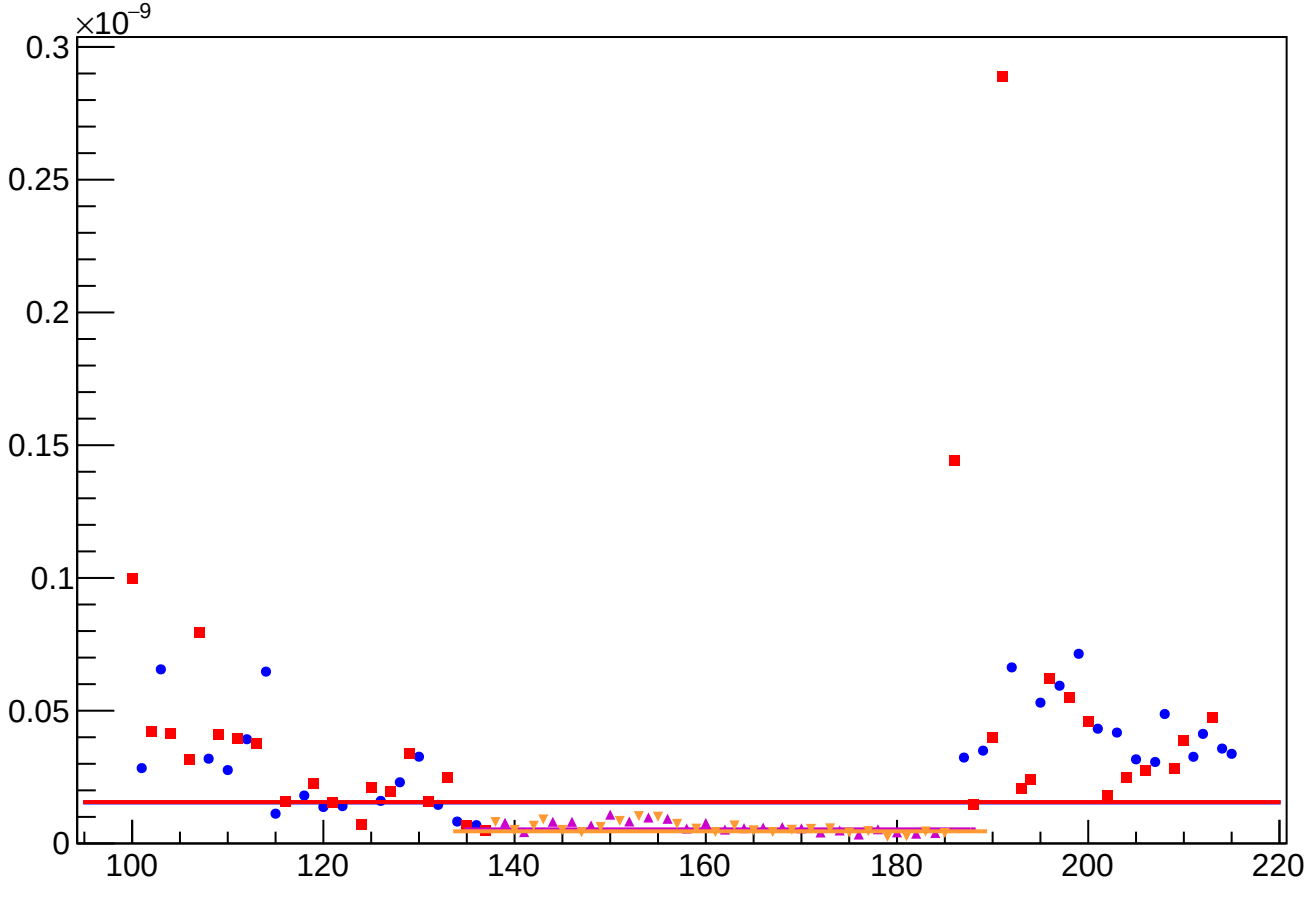
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 70.2/64

In: 0.000+/-0.000 χ^2/NDF:56.7/53

Out: -0.000+/-0.000 χ^2/NDF:46.5/58

All: 0.000+/-0.000 χ^2/NDF: 103.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 9291611.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7542376.6/33

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

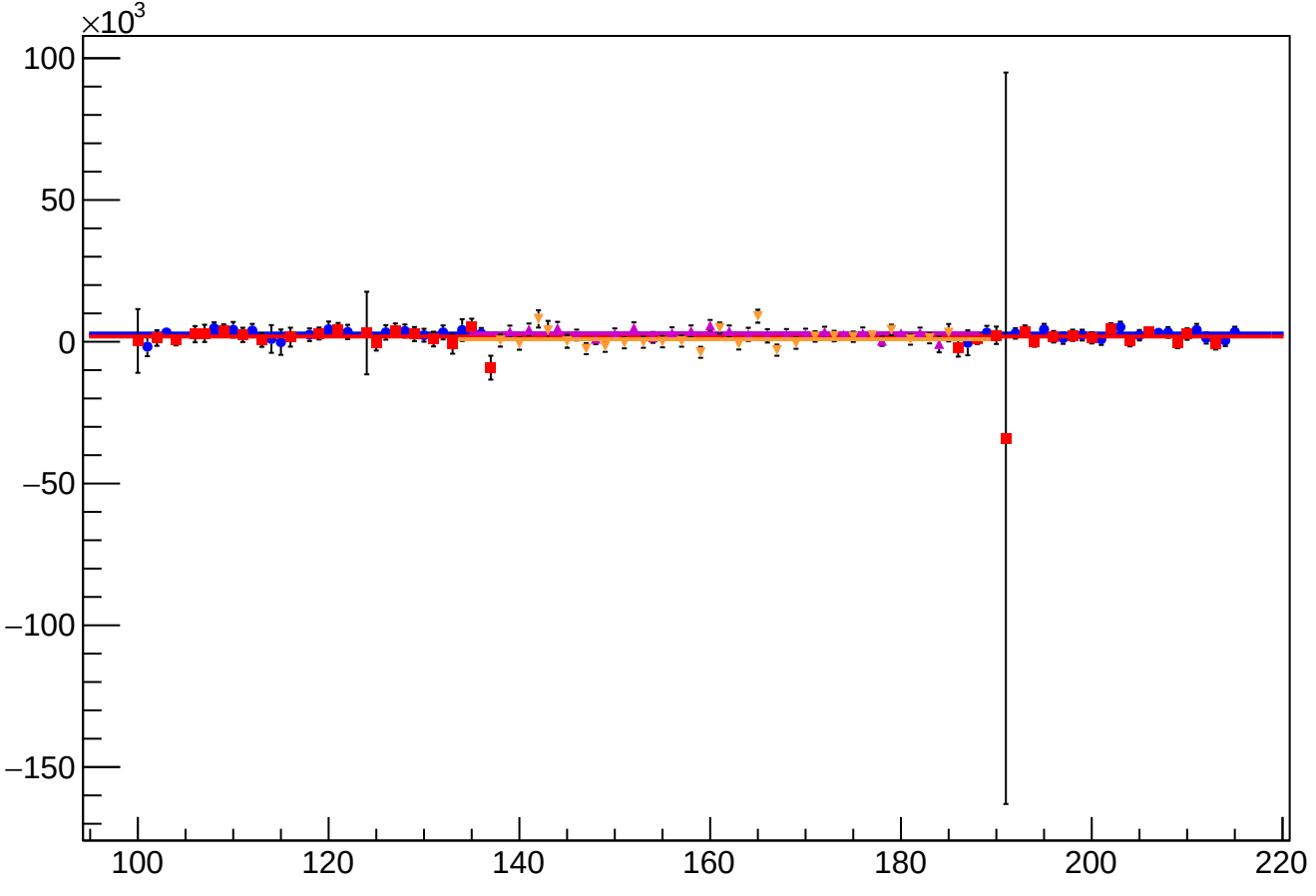
Right: 0.000+/-0.000 χ^2/NDF: 16834524.8/64

In: 0.000+/-0.000 χ^2/NDF:16997008.8/53

Out: 0.000+/-0.000 χ^2/NDF:16076294.5/58

All: 0.000+/-0.000 χ^2/NDF: 33420267.0/112

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2897.701+/-399.376 χ^2/NDF: 11.4/30

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1853.330+/-407.581 χ^2/NDF: 25.0/33

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

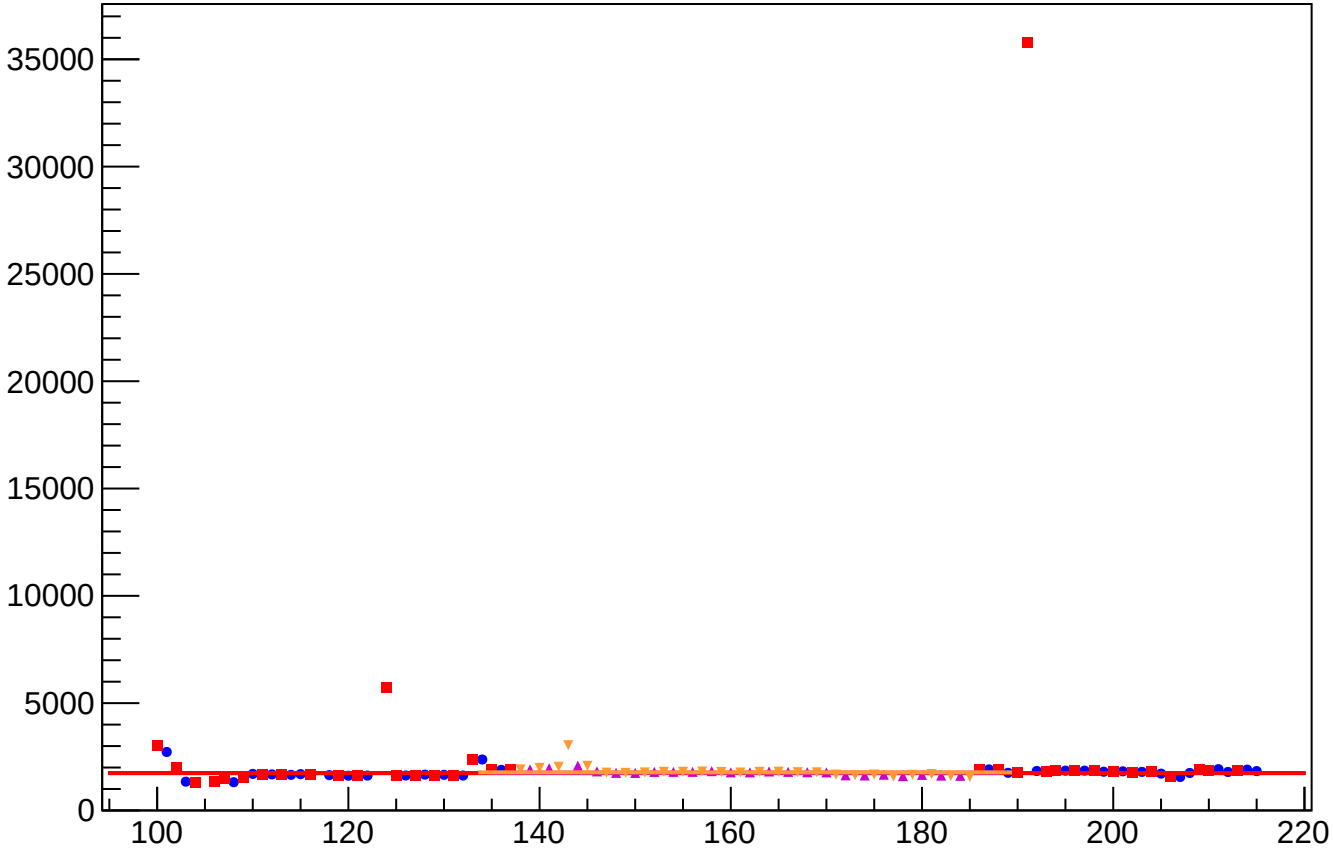
Right: 2386.133+/-285.258 χ^2/NDF: 39.8/64

In: 2919.780+/-286.784 χ^2/NDF:21.9/53

Out: 1373.731+/-287.479 χ^2/NDF:73.0/58

All: 2148.627+/-203.032 χ^2/NDF: 109.5/112

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1740.715+/-0.282 χ^2/NDF: 532644.4/30

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1742.643+/-0.288 χ^2/NDF: 723704.9/33

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

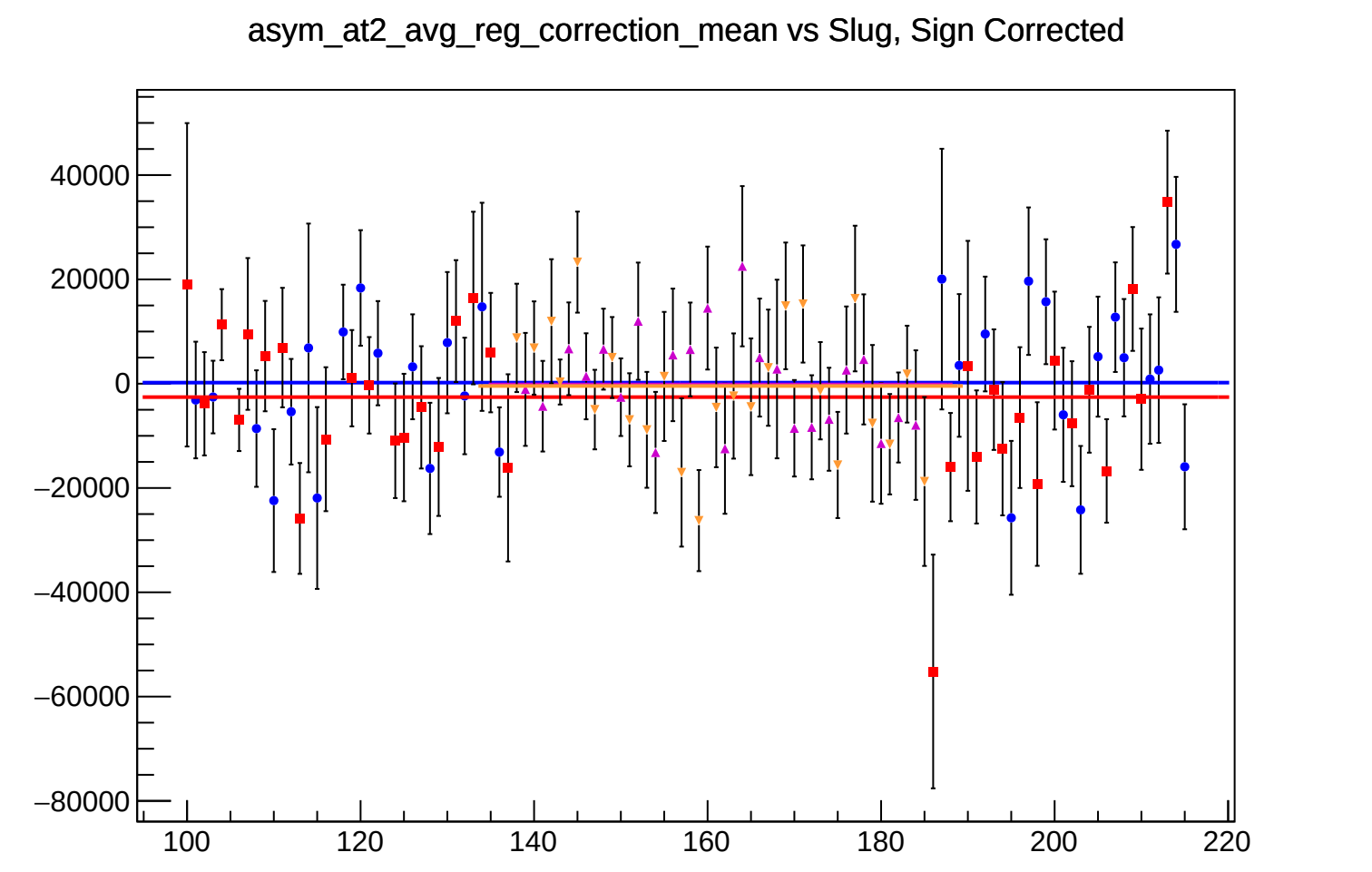
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1741.659+/-0.202 χ^2/NDF: 1256372.1/64

In: 1750.583+/-0.203 χ^2/NDF:681432.0/53

Out: 1758.767+/-0.203 χ^2/NDF:1176830.0/58

All: 1754.665+/-0.144 χ^2/NDF: 1859074.4/11



Right In: 201.906+/-2101.656 χ^2/NDF: 34.9/30

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -2572.331+/-1963.941 χ^2/NDF: 40.9/33

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

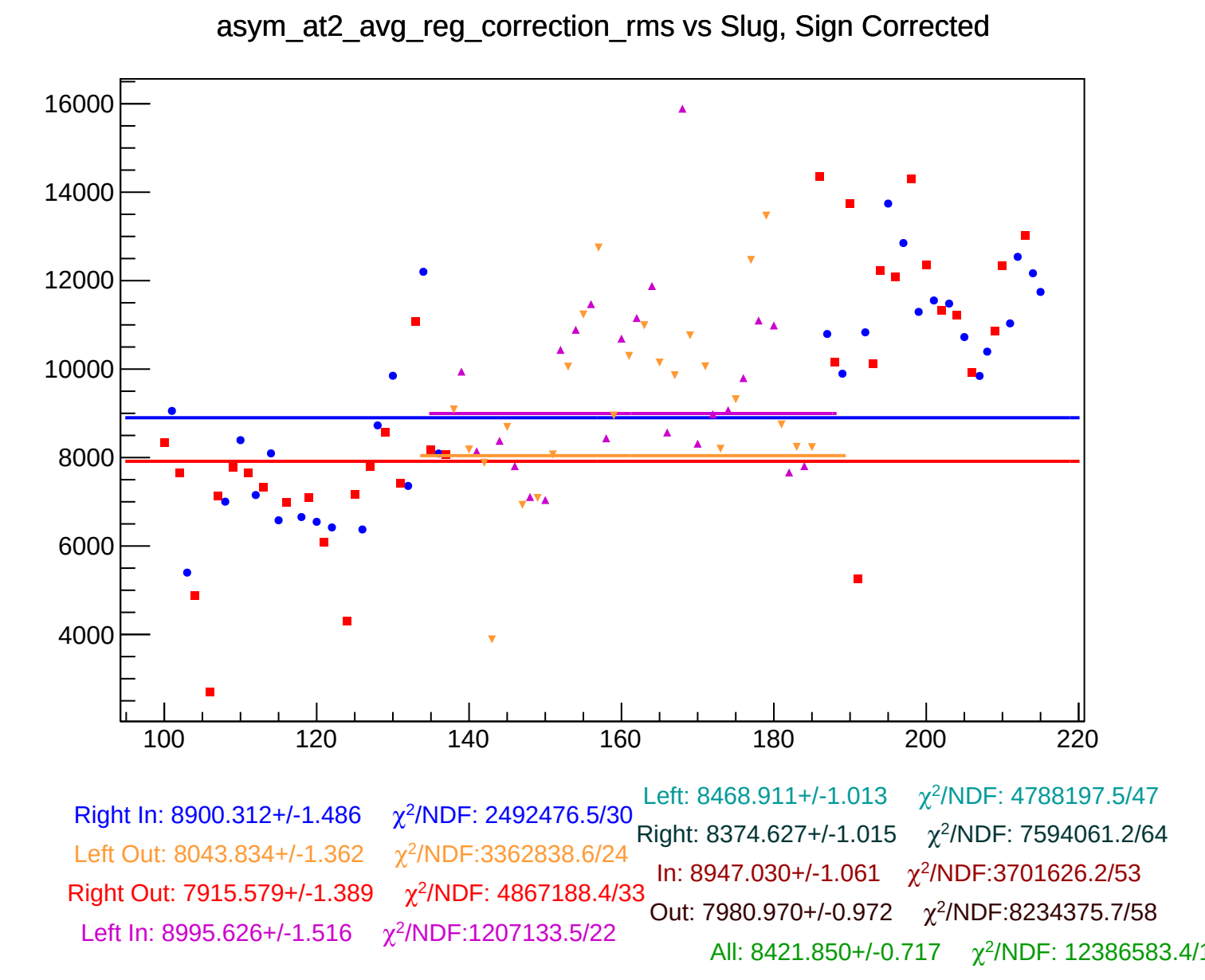
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -1279.077+/-1434.933 χ^2/NDF: 76.8/64

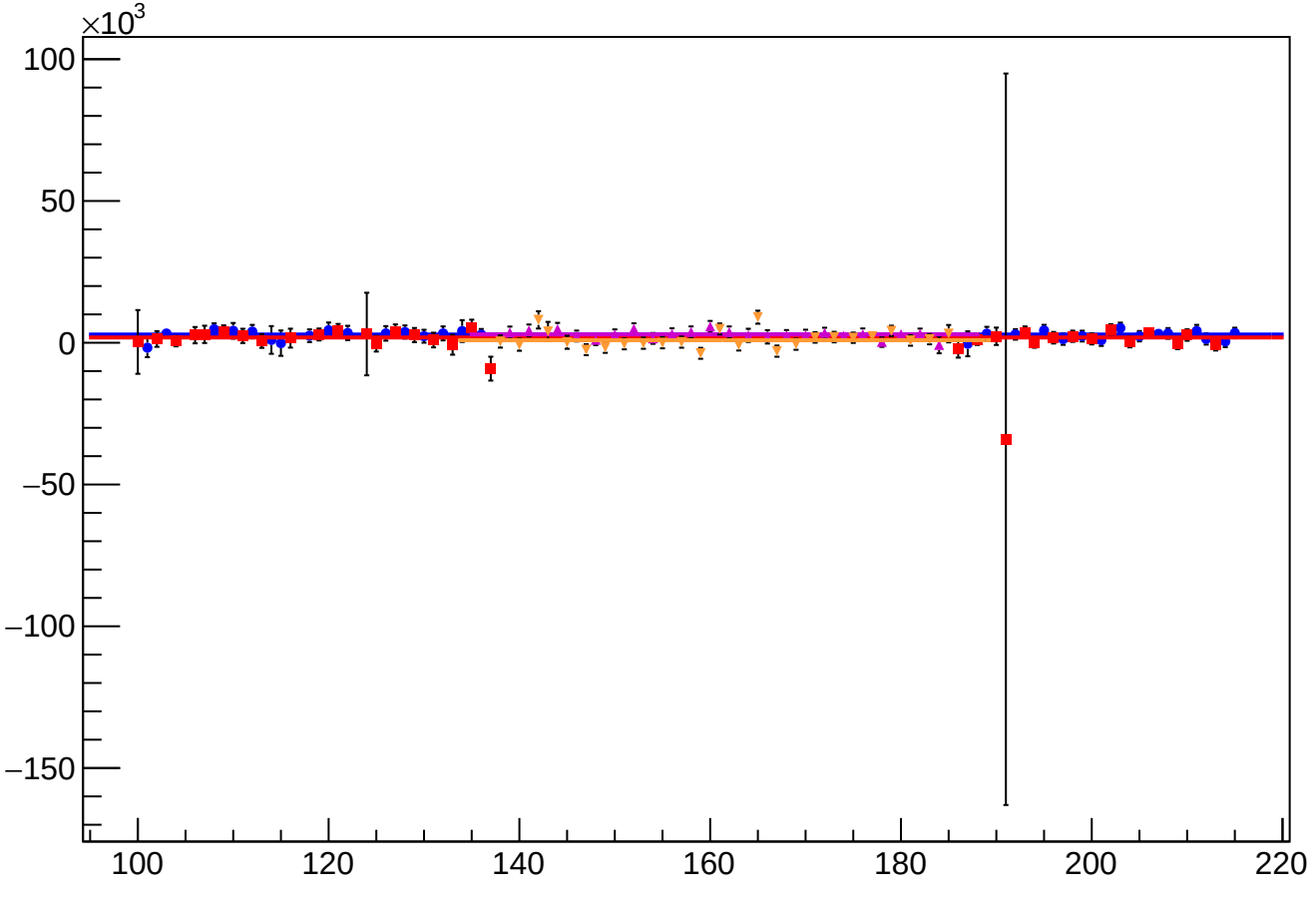
In: 26.838+/-1500.667 χ^2/NDF:48.8/53

Out: -1486.856+/-1374.962 χ^2/NDF:71.0/58

All: -796.052+/-1013.777 χ^2/NDF: 120.3/112


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: 8900.312+/-1.486 χ²/NDF: 2492476.5/30
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7915.579+/-1.389 χ²/NDF: 4867188.4/33
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 8374.627+/-1.015 χ²/NDF: 7594061.2/64
In: 8947.030+/-1.061 χ²/NDF:3701626.2/53
Out: 7980.970+/-0.972 χ²/NDF:8234375.7/58
All: 8421.850+/-0.717 χ²/NDF: 12386583.4/

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2897.725+/-399.376 χ^2/NDF: 11.4/30

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1853.291+/-407.581 χ^2/NDF: 25.0/33

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

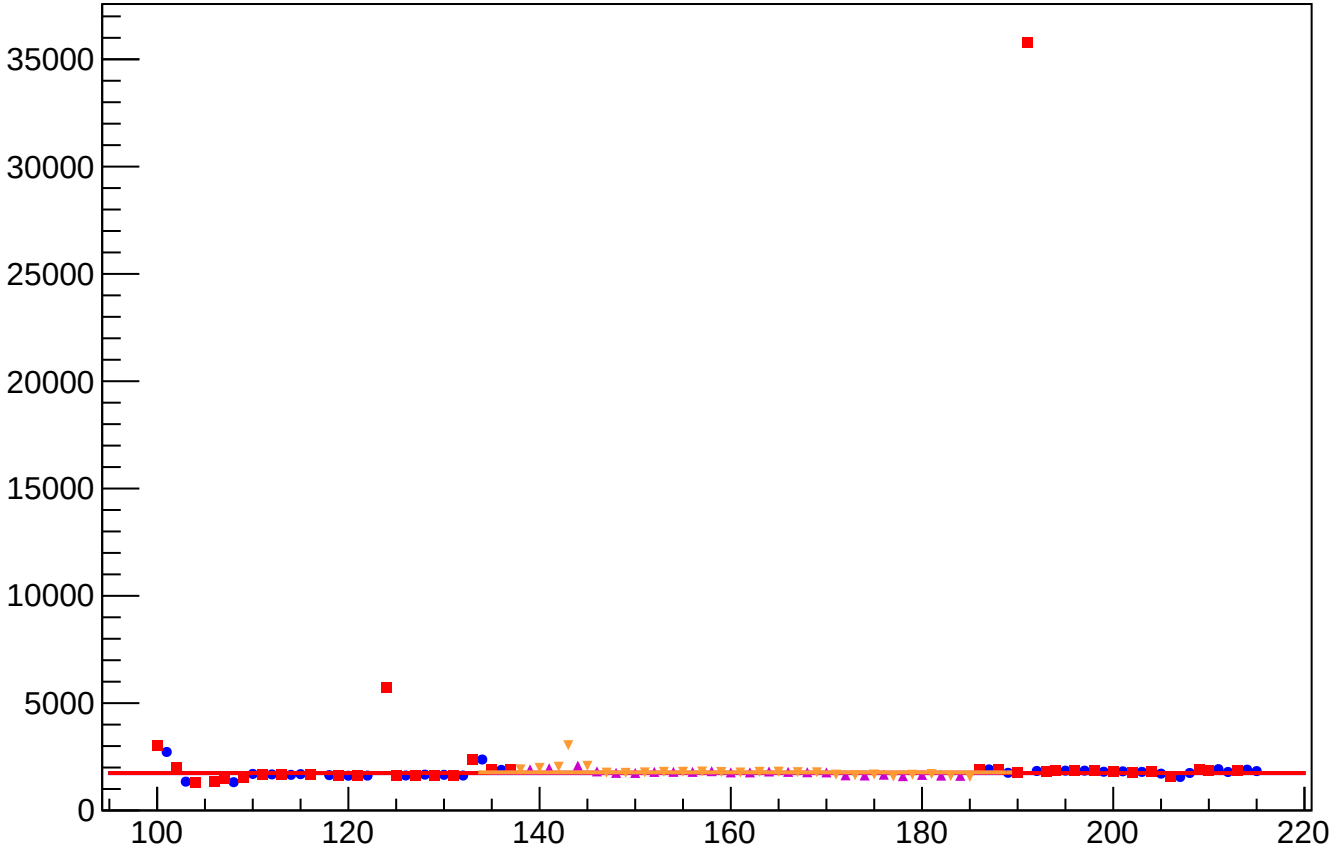
Right: 2386.126+/-285.258 χ^2/NDF: 39.8/64

In: 2919.738+/-286.784 χ^2/NDF:21.9/53

Out: 1373.671+/-287.479 χ^2/NDF:73.1/58

All: 2148.576+/-203.032 χ^2/NDF: 109.5/112

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1740.715+/-0.282 χ^2/NDF: 532644.8/30

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1742.642+/-0.288 χ^2/NDF: 723705.1/33

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

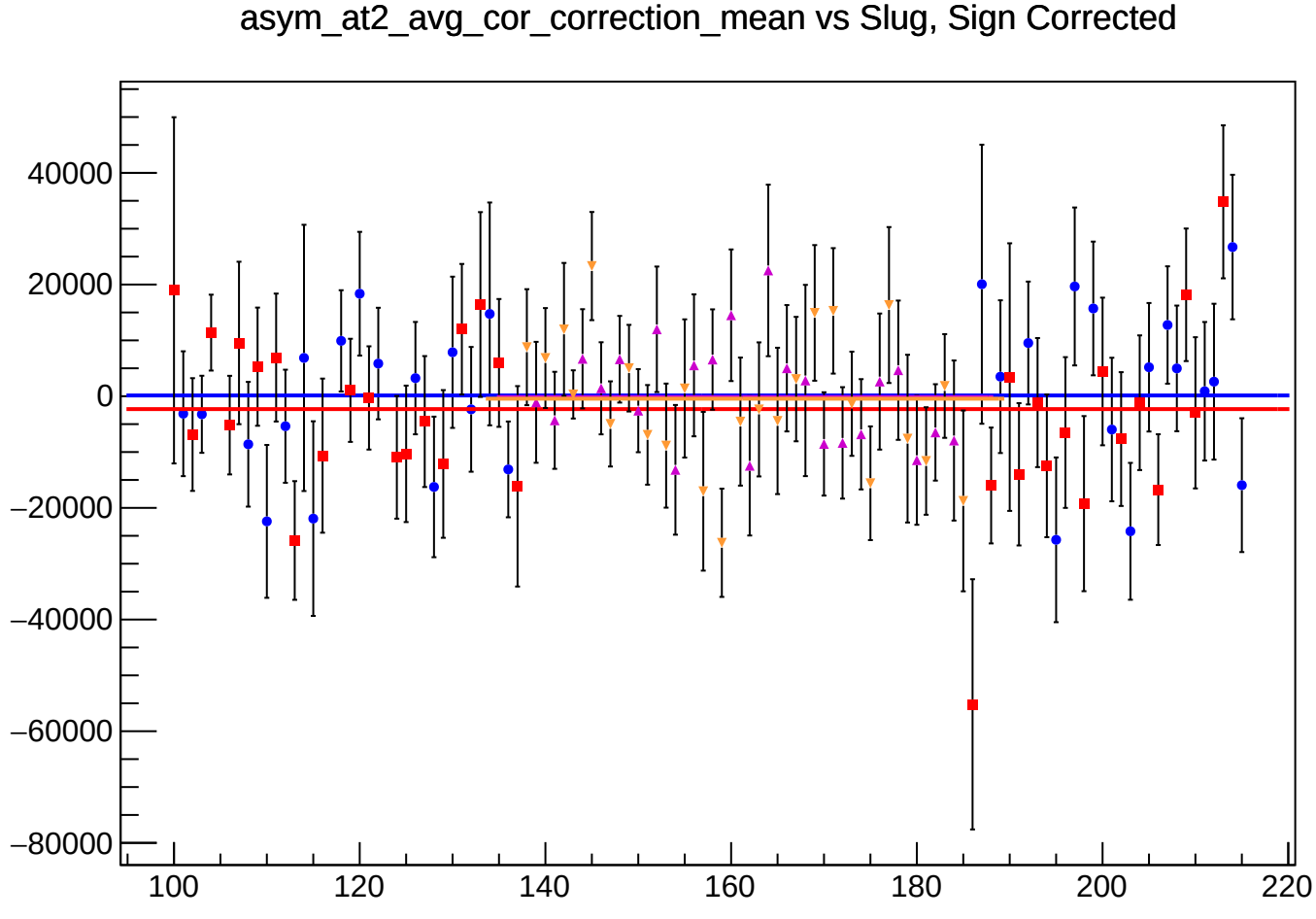
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1741.659+/-0.202 χ^2/NDF: 1256372.8/64

In: 1750.583+/-0.203 χ^2/NDF:681432.5/53

Out: 1758.767+/-0.203 χ^2/NDF:1176830.2/58

All: 1754.665+/-0.144 χ^2/NDF: 1859075.1/11



Right In: 134.724+/-2100.008 χ^2/NDF: 35.0/30

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2309.186+/-2025.552 χ^2/NDF: 40.7/33

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

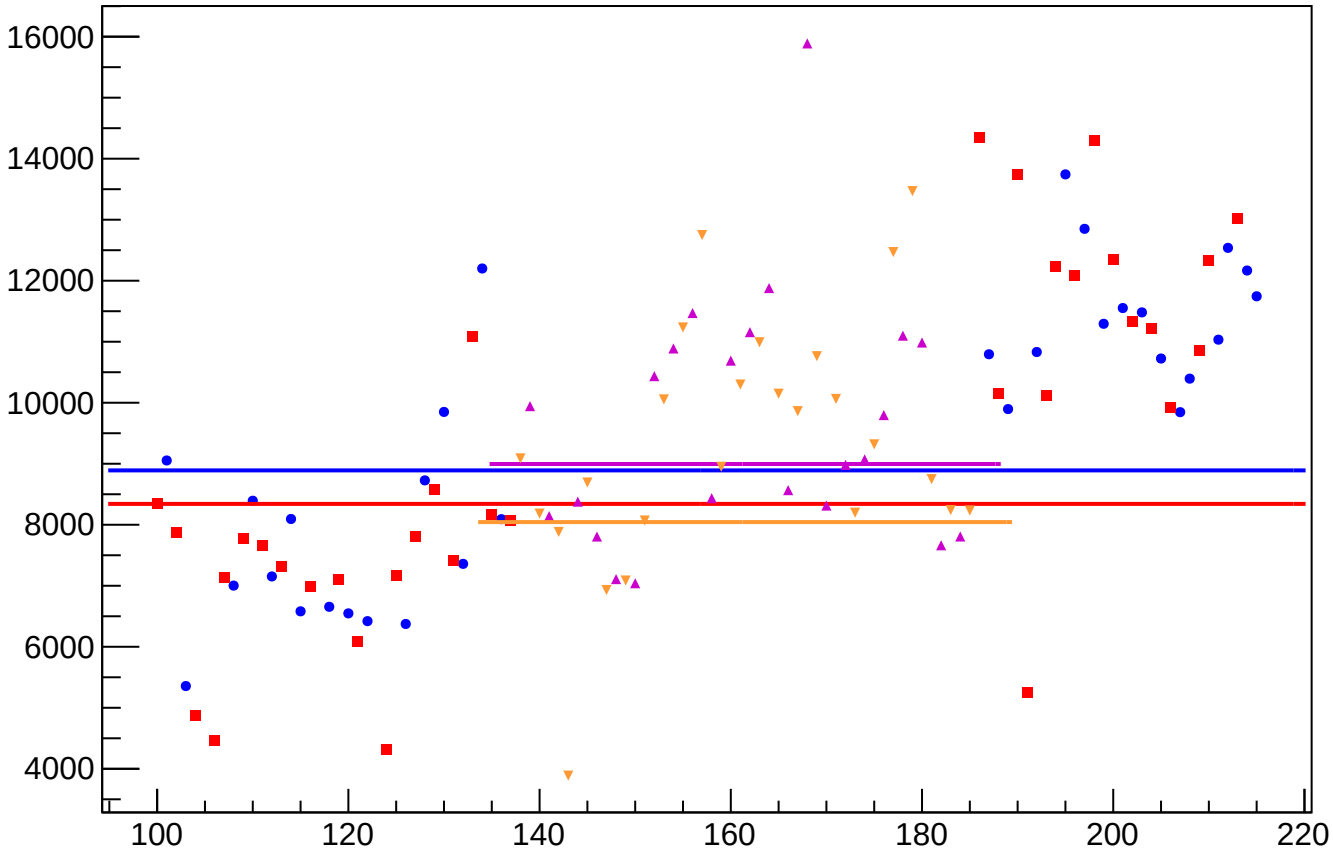
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1131.323+/-1457.893 χ^2/NDF: 76.4/64

In: -7.287+/-1500.066 χ^2/NDF:48.8/53

Out: -1329.118+/-1395.603 χ^2/NDF:70.6/58

All: -715.826+/-1021.776 χ^2/NDF: 119.8/112



Right In: 8890.897+/-1.485 χ^2/NDF: 2513625.1/30

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8342.054+/-1.432 χ^2/NDF: 3558331.7/33

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

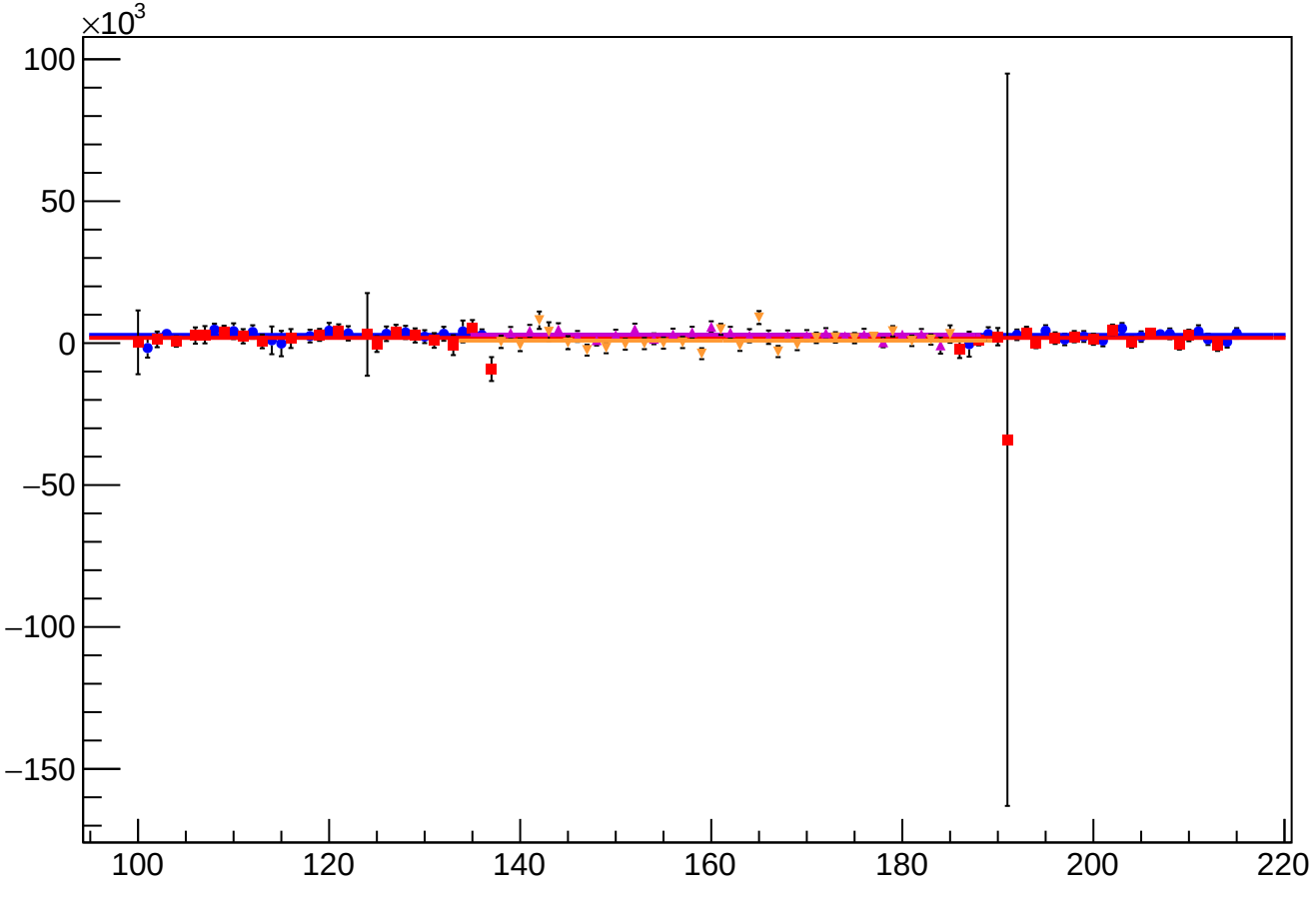
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8606.573+/-1.031 χ^2/NDF: 6142726.9/64

In: 8942.184+/-1.061 χ^2/NDF:3723199.9/53

Out: 8185.391+/-0.987 χ^2/NDF:6944023.7/58

All: 8536.521+/-0.723 χ^2/NDF: 10940090.6/1



Right In: 2897.725+/-399.376 χ^2/NDF: 11.4/30

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1853.291+/-407.581 χ^2/NDF: 25.0/33

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

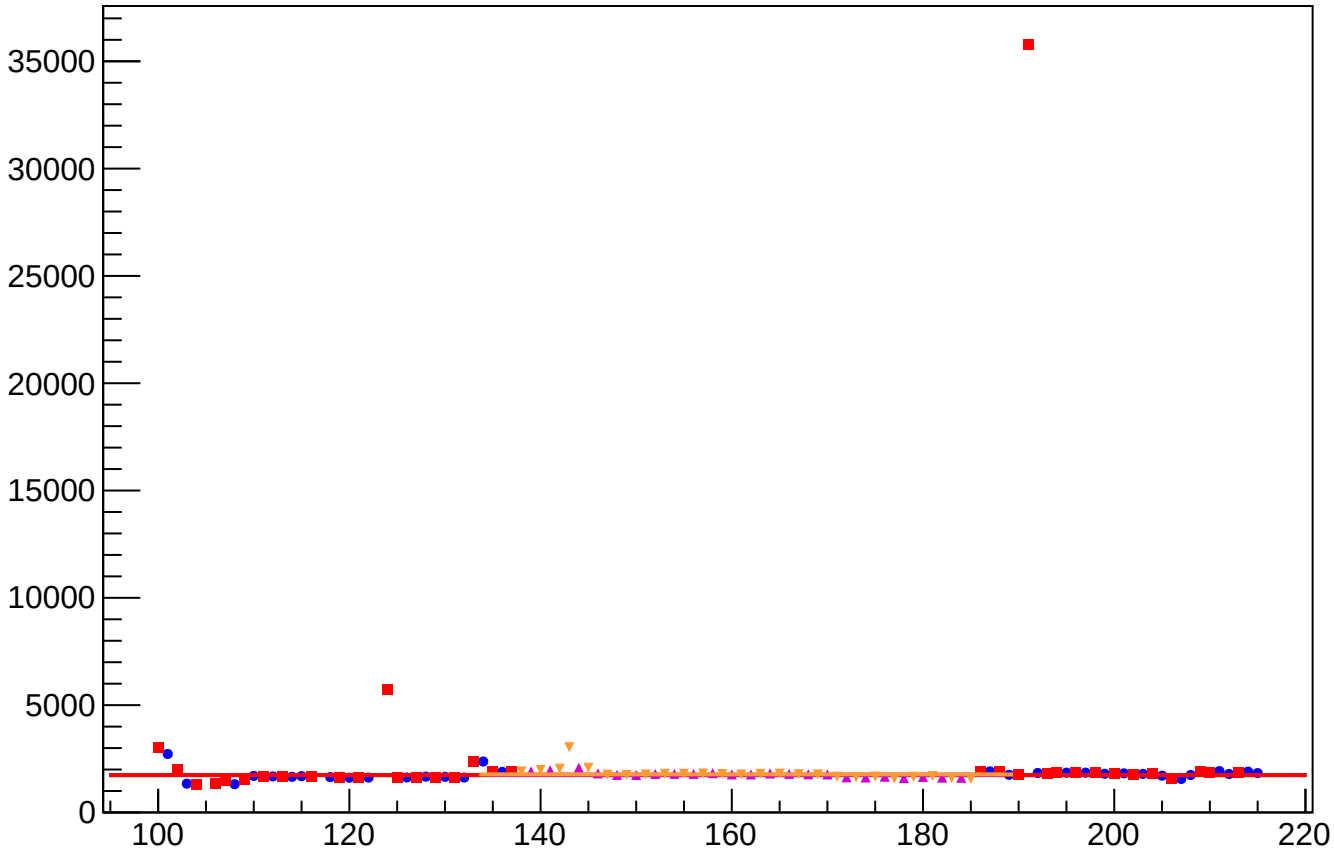
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2386.126+/-285.258 χ^2/NDF: 39.8/64

In: 2919.738+/-286.784 χ^2/NDF:21.9/53

Out: 1373.671+/-287.479 χ^2/NDF:73.1/58

All: 2148.576+/-203.032 χ^2/NDF: 109.5/112



Right In: 1740.715+/-0.282 χ^2/NDF: 532644.8/30

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1742.642+/-0.288 χ^2/NDF: 723705.1/33

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

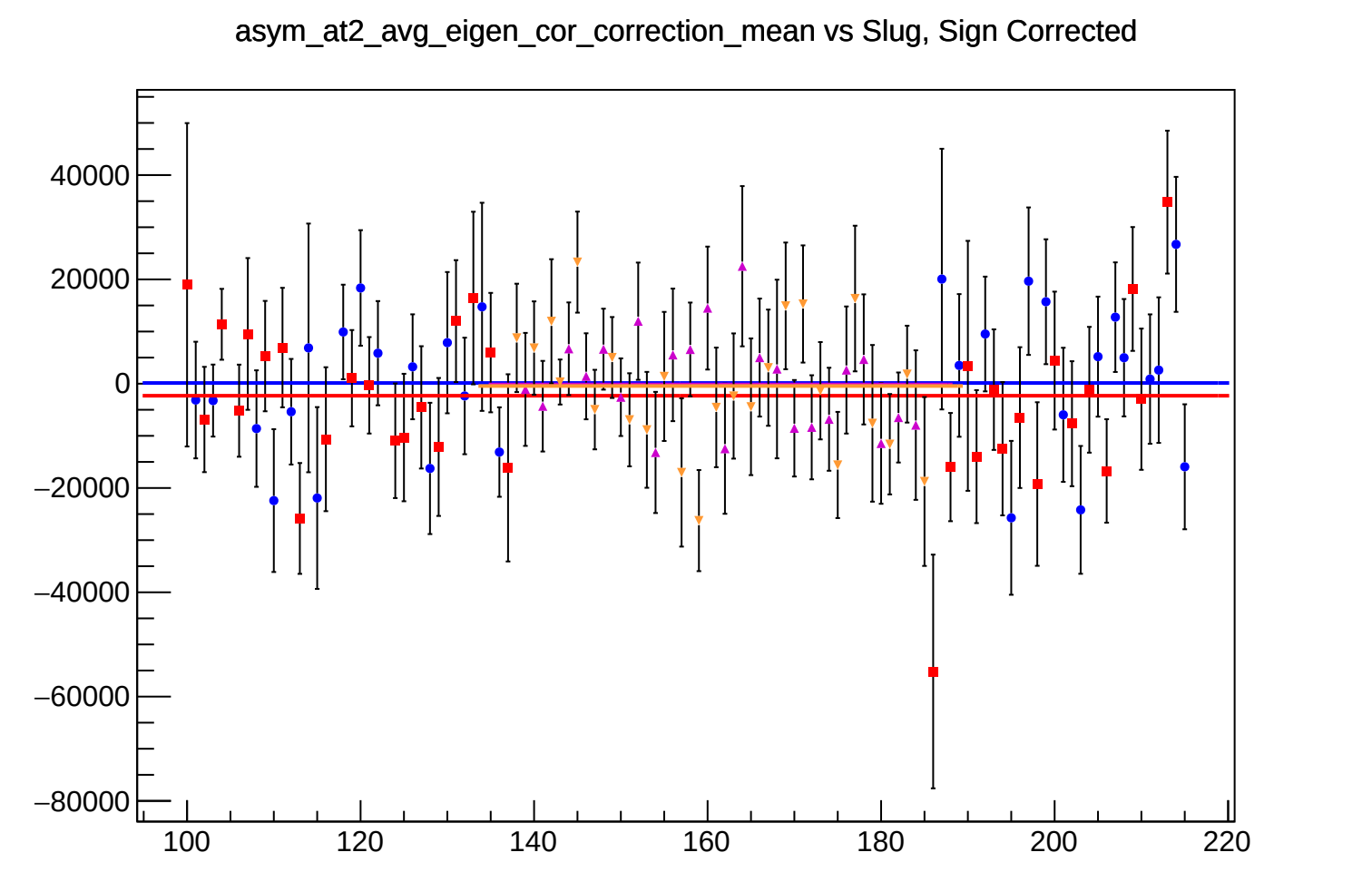
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

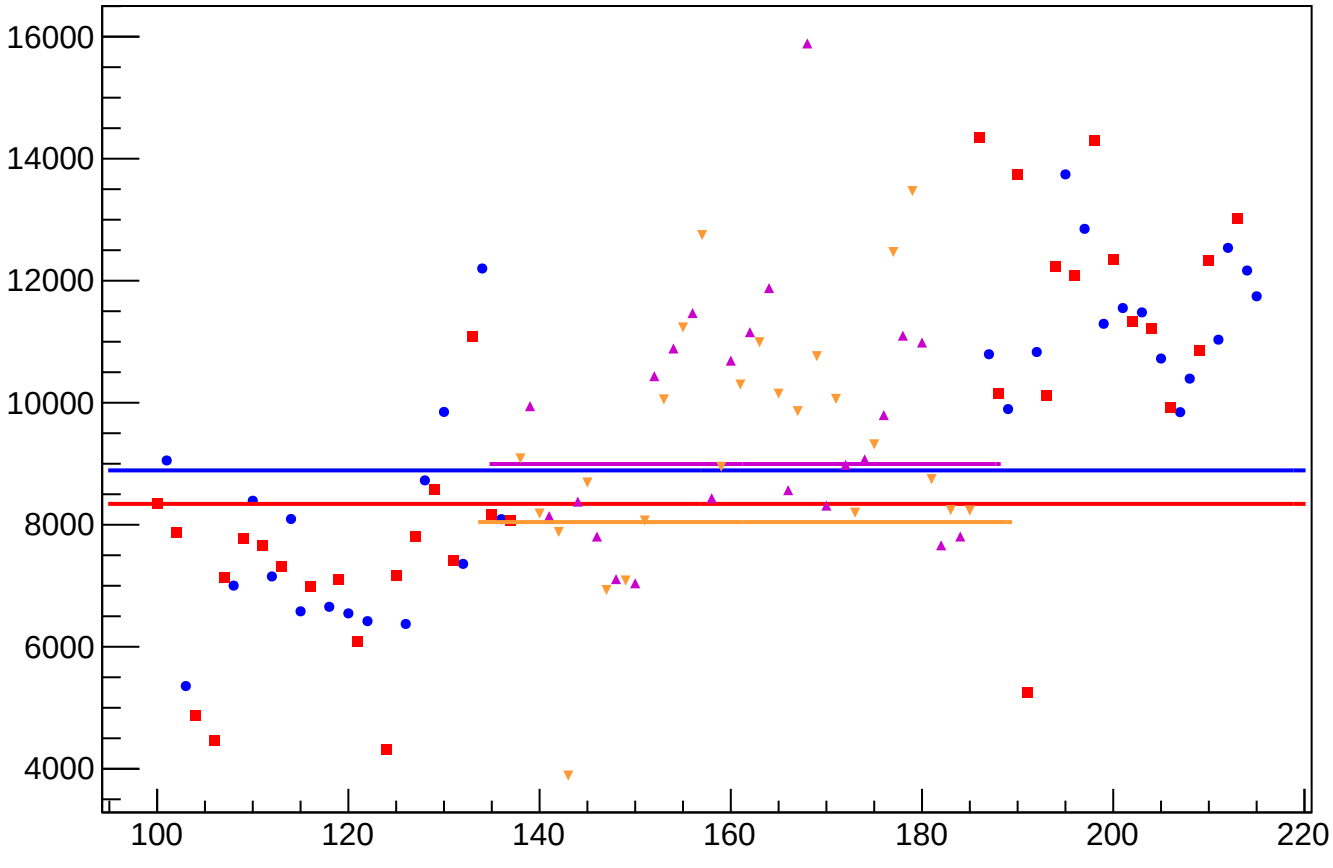
Right: 1741.659+/-0.202 χ^2/NDF: 1256372.8/64

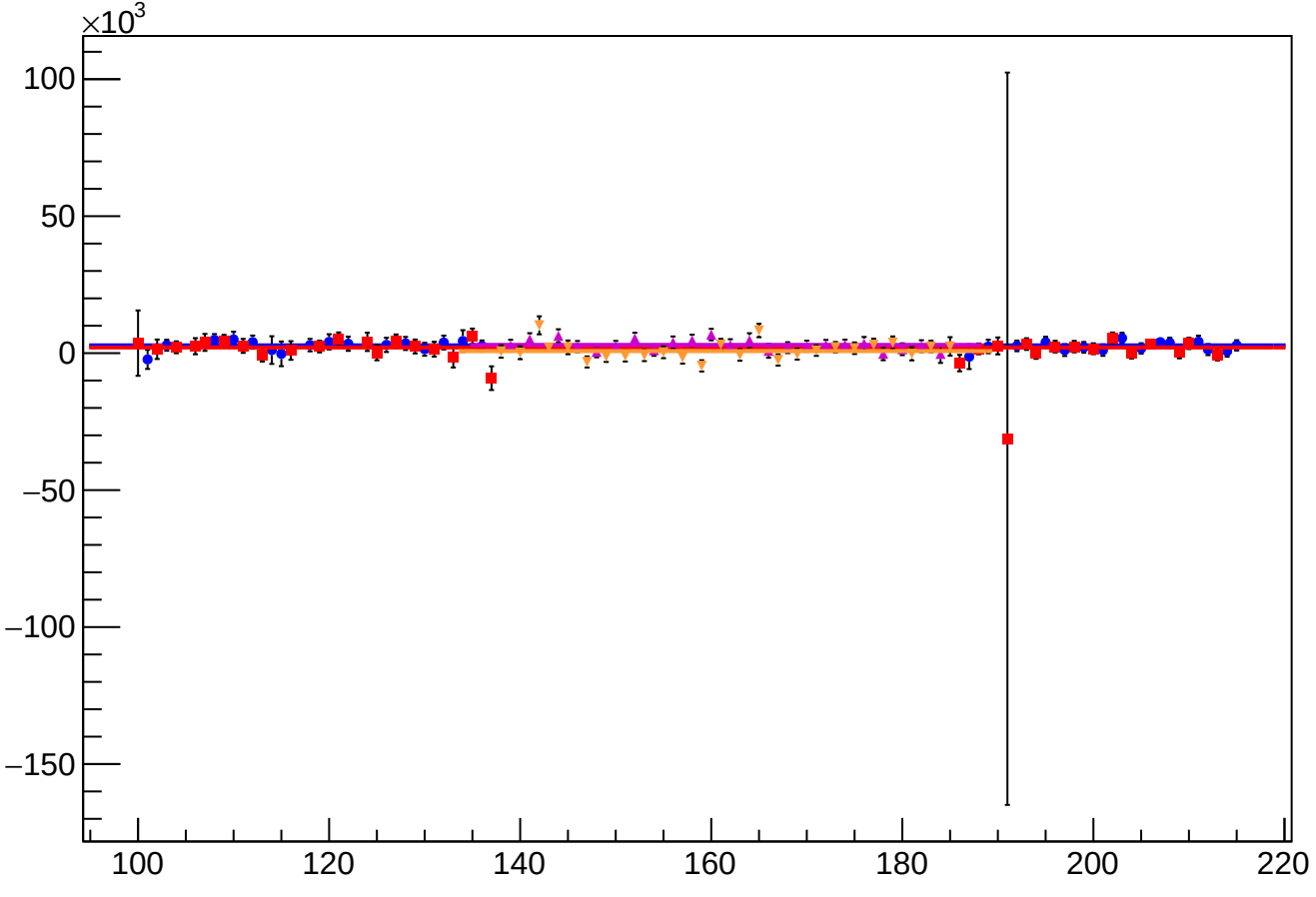
In: 1750.583+/-0.203 χ^2/NDF:681432.5/53

Out: 1758.767+/-0.203 χ^2/NDF:1176830.2/58

All: 1754.665+/-0.144 χ^2/NDF: 1859075.1/11


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 134.724+/-2100.008 χ²/NDF: 35.0/30
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -2309.186+/-2025.552 χ²/NDF: 40.7/33
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: -1131.323+/-1457.893 χ²/NDF: 76.4/64
In: -7.287+/-1500.066 χ²/NDF:48.8/53
Out: -1329.118+/-1395.603 χ²/NDF:70.6/58
All: -715.826+/-1021.776 χ²/NDF: 119.8/112


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: 8890.897+/-1.485 χ²/NDF: 2513625.1/30
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 8342.054+/-1.432 χ²/NDF: 3558331.7/33
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8606.573+/-1.031 χ²/NDF: 6142726.9/64
In: 8942.184+/-1.061 χ²/NDF:3723199.9/53
Out: 8185.391+/-0.987 χ²/NDF:6944023.7/58
All: 8536.521+/-0.723 χ²/NDF: 10940090.6/1



Right In: 2851.125+/-411.788 χ^2/NDF: 12.9/30

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2073.070+/-419.281 χ^2/NDF: 29.6/33

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

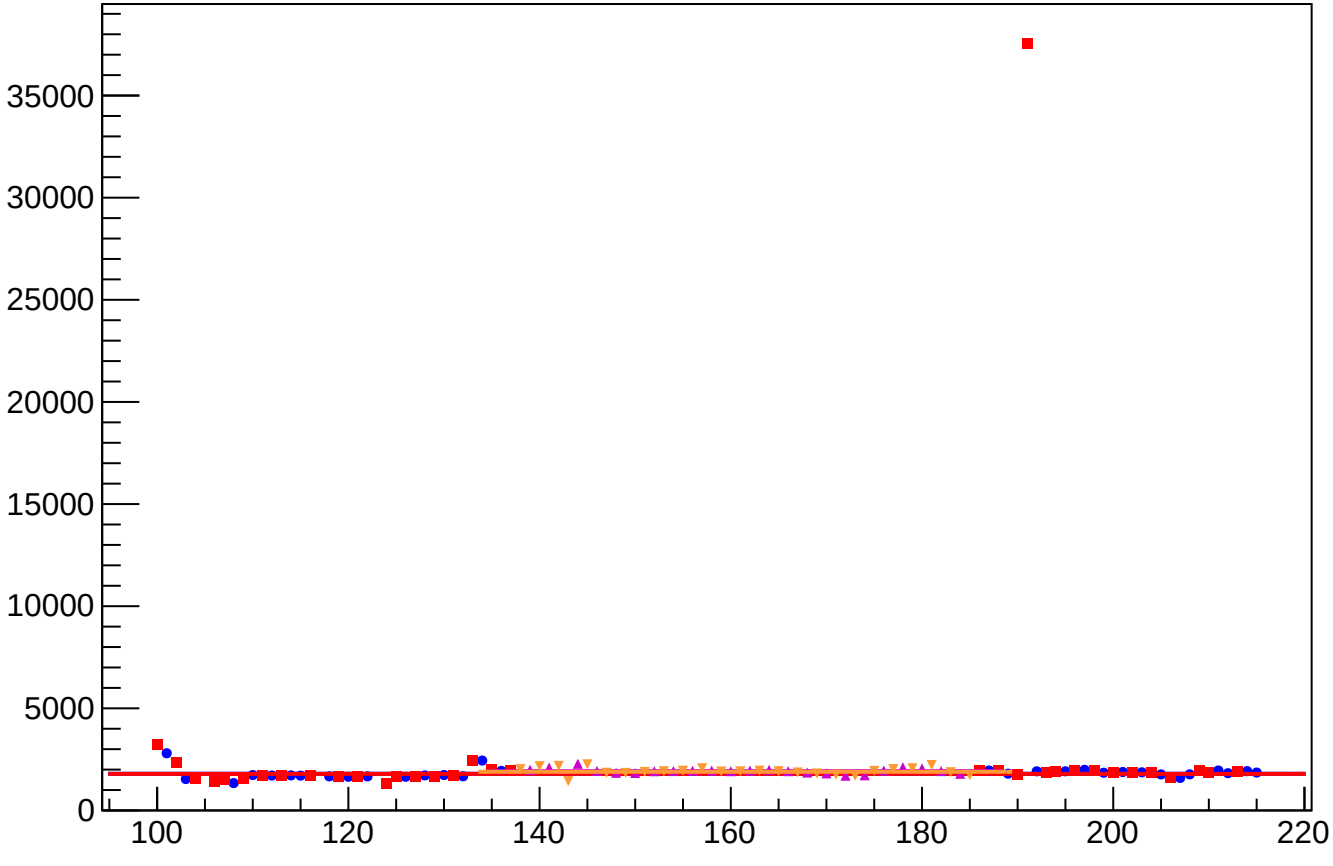
Right: 2469.111+/-293.792 χ^2/NDF: 44.3/64

In: 2909.459+/-303.894 χ^2/NDF:28.6/53

Out: 1427.331+/-301.169 χ^2/NDF:76.1/58

All: 2161.720+/-213.915 χ^2/NDF: 116.7/112

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1795.357+/-0.291 χ^2/NDF: 479627.3/30

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1791.114+/-0.296 χ^2/NDF: 584612.8/33

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

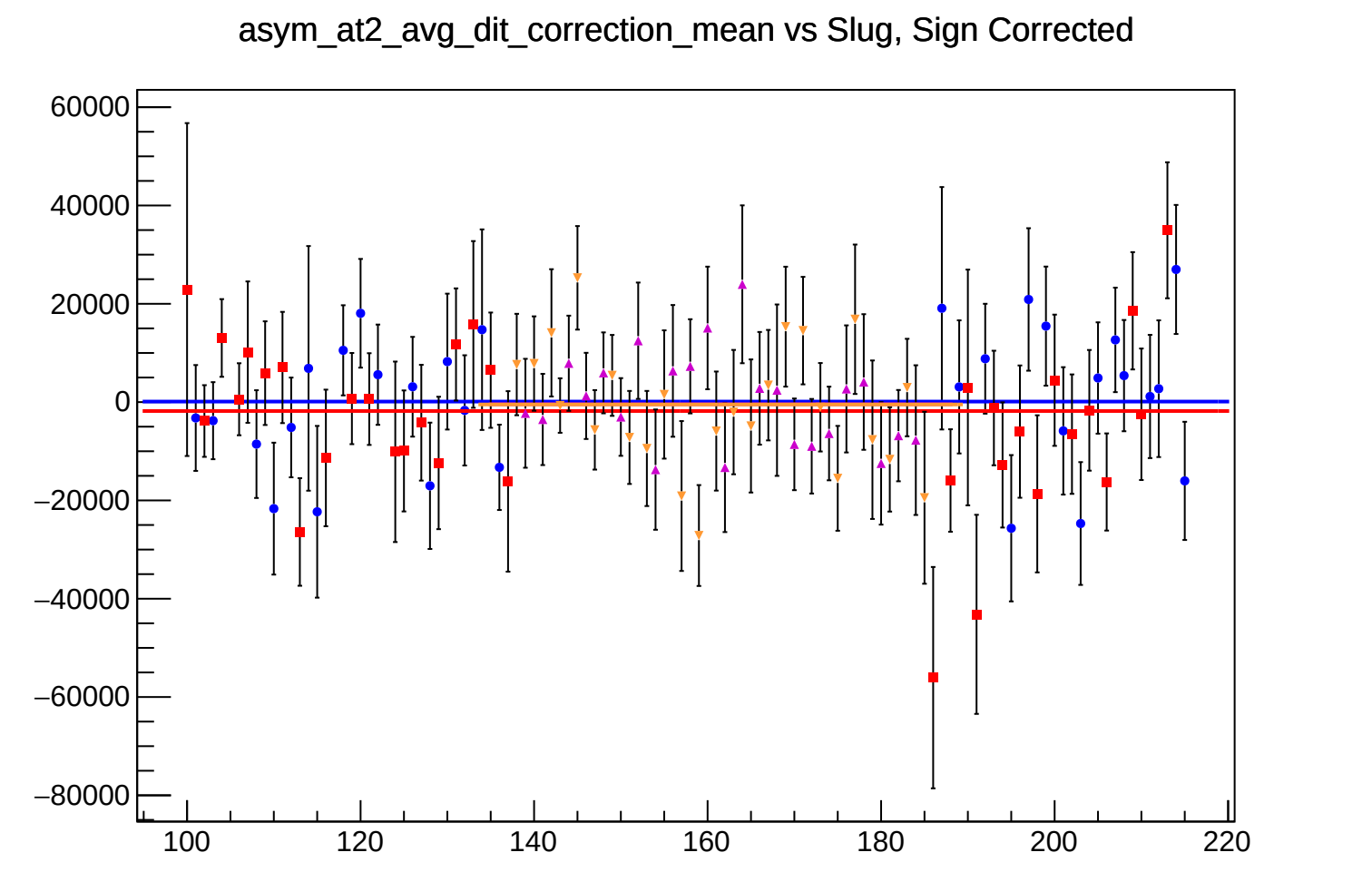
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1793.274+/-0.208 χ^2/NDF: 1064344.4/64

In: 1853.500+/-0.215 χ^2/NDF:718165.7/53

Out: 1841.239+/-0.213 χ^2/NDF:1012280.0/58

All: 1847.314+/-0.151 χ^2/NDF: 1732088.5/11



Right In: 108.863+/-2132.117 χ^2/NDF: 34.8/30

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -1812.622+/-2034.049 χ^2/NDF: 43.0/33

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

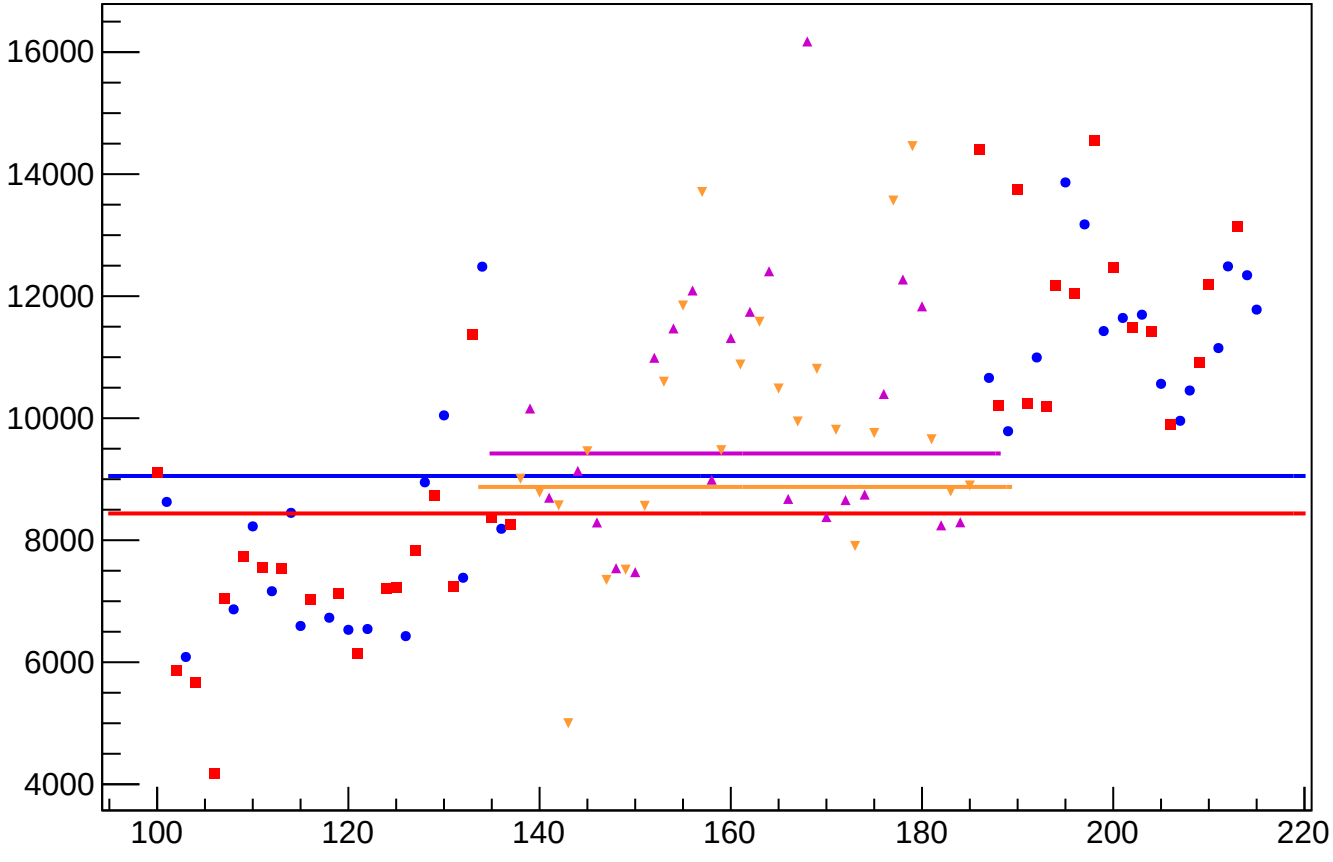
Right: -897.084+/-1471.738 χ^2/NDF: 78.2/64

In: -149.844+/-1546.060 χ^2/NDF:48.4/53

Out: -1163.821+/-1457.409 χ^2/NDF:72.0/58

All: -686.735+/-1060.500 χ^2/NDF: 120.6/112

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 9052.877+/-1.508 χ^2/NDF: 2284378.0/30

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8438.781+/-1.438 χ^2/NDF: 3435949.0/33

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

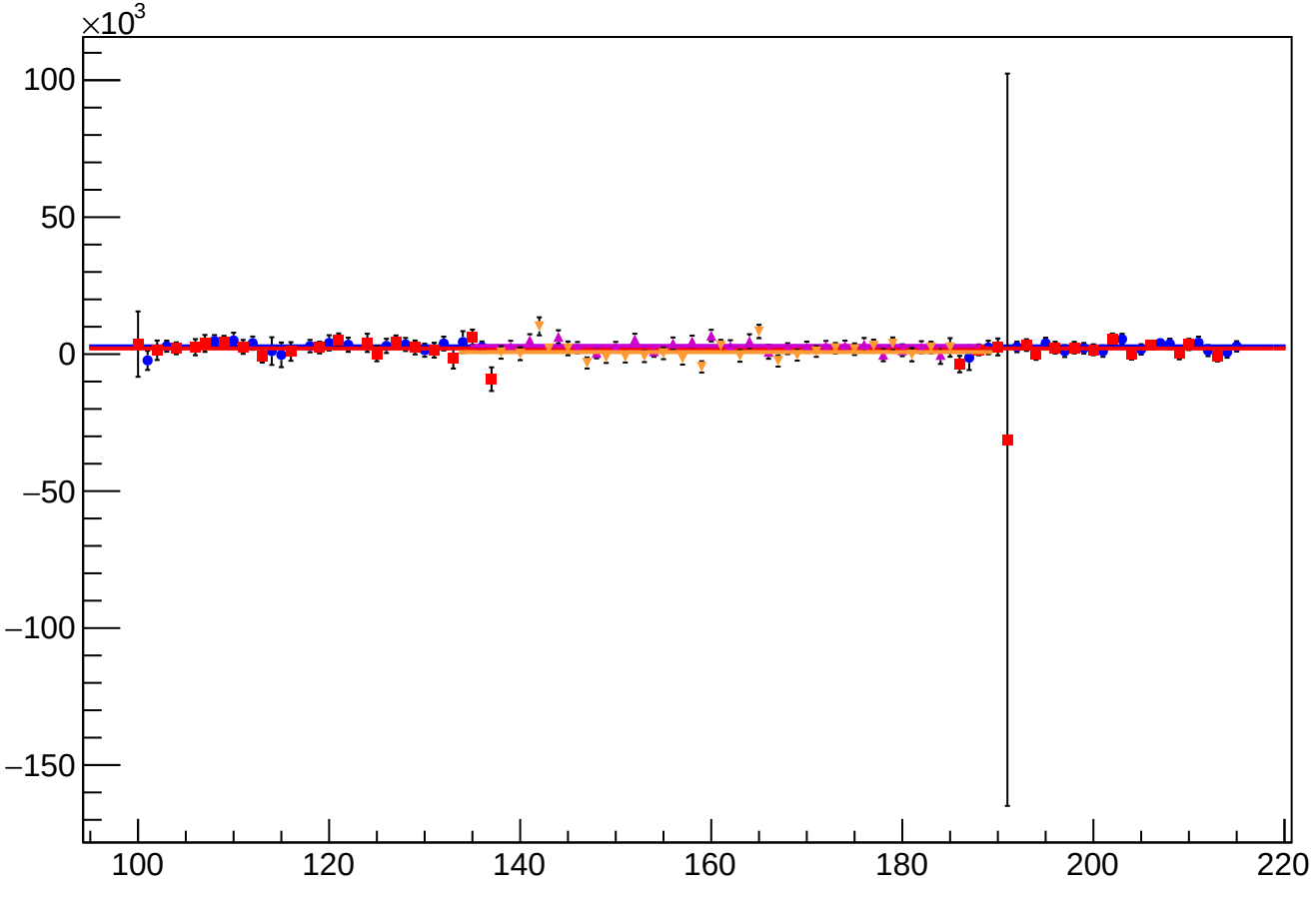
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8731.382+/-1.041 χ^2/NDF: 5807186.8/64

In: 9227.772+/-1.093 χ^2/NDF:3517606.1/53

Out: 8650.368+/-1.031 χ^2/NDF:5683671.8/58

All: 8922.042+/-0.750 χ^2/NDF: 9348982.6/11



Right In: 2851.120+/-411.788 χ^2/NDF: 12.9/30

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2073.070+/-419.281 χ^2/NDF: 29.6/33

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

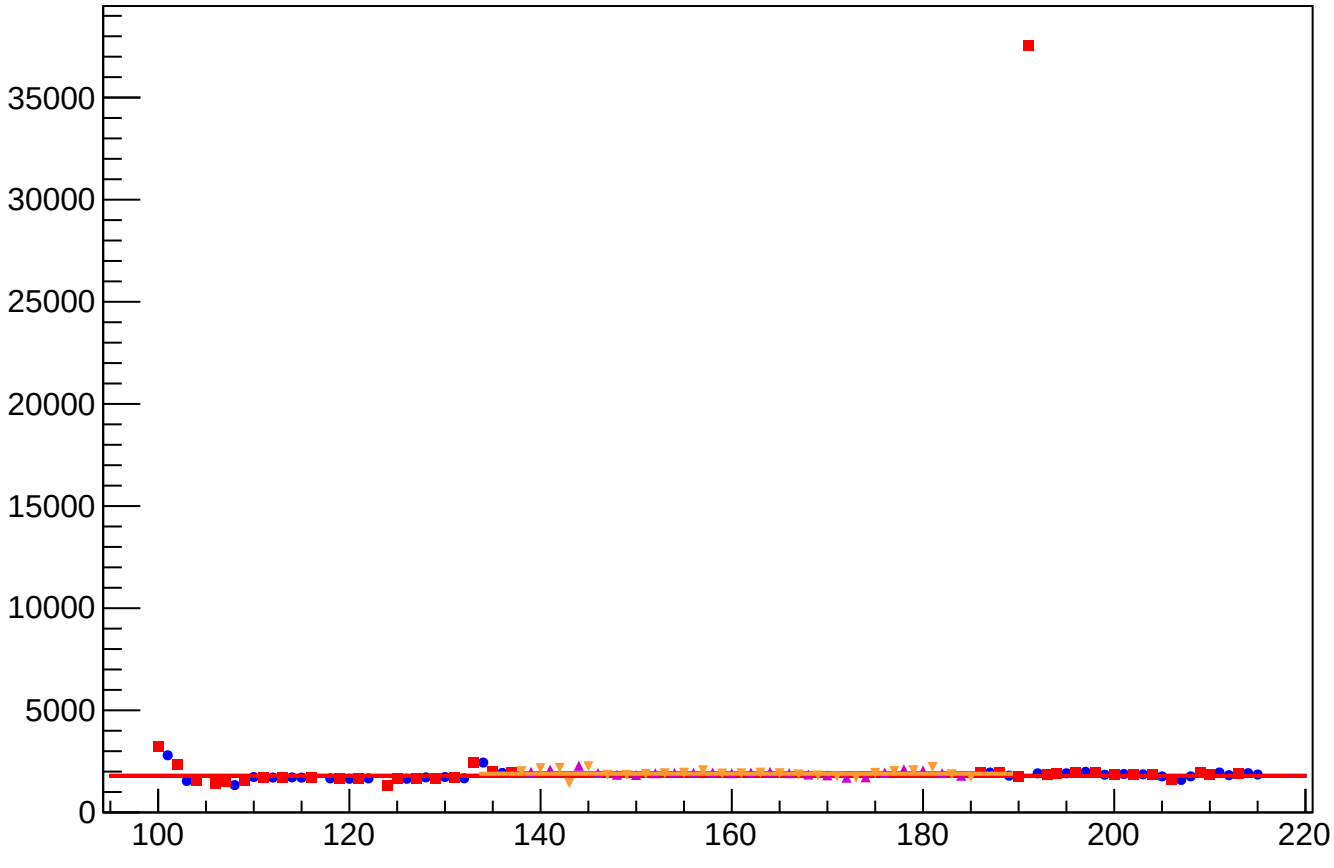
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2469.109+/-293.792 χ^2/NDF: 44.3/64

In: 2909.457+/-303.894 χ^2/NDF:28.6/53

Out: 1427.326+/-301.169 χ^2/NDF:76.1/58

All: 2161.717+/-213.915 χ^2/NDF: 116.7/112



Right In: 1795.357+/-0.291 χ^2/NDF: 479627.9/30

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1791.114+/-0.296 χ^2/NDF: 584614.2/33

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

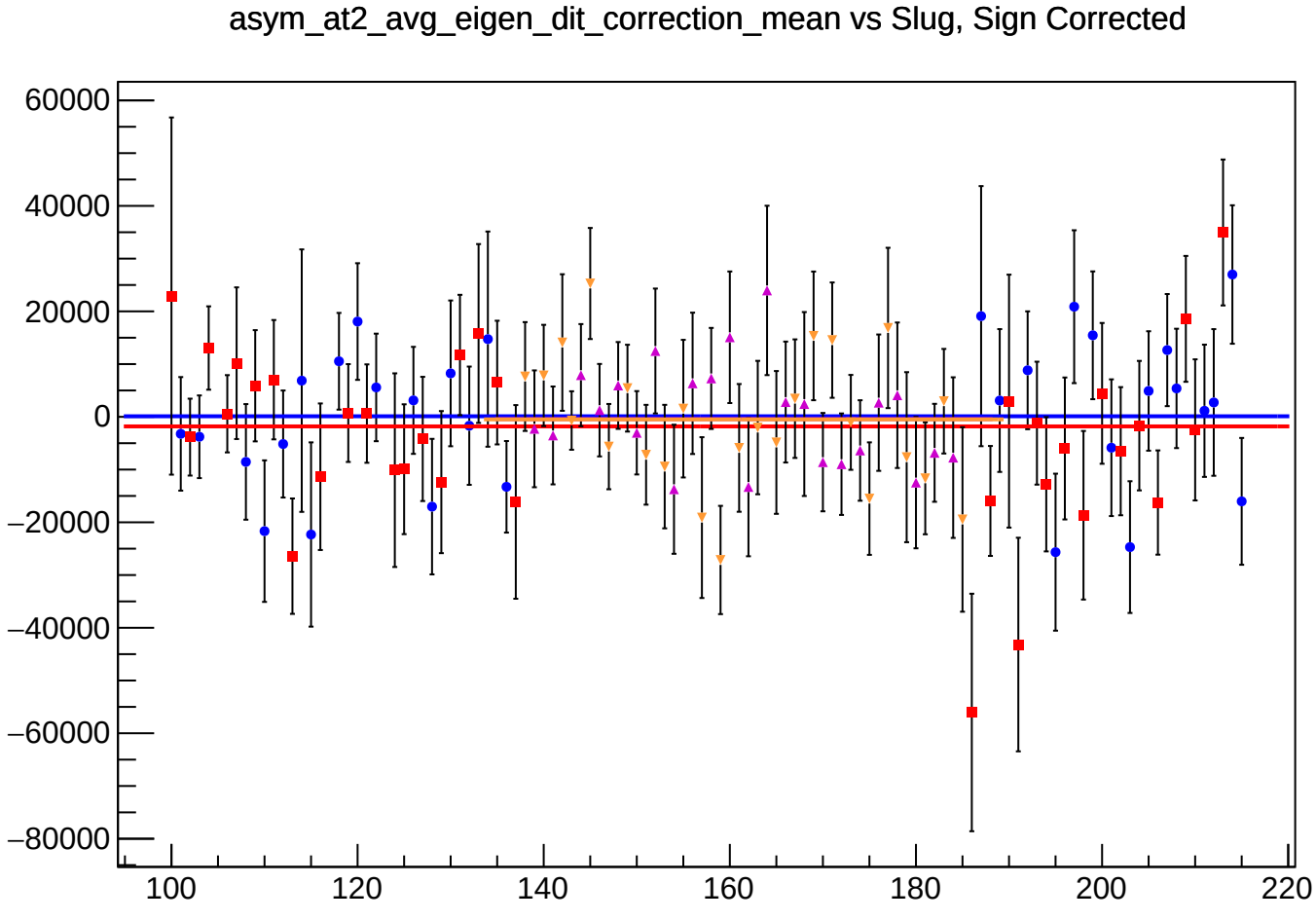
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1793.273+/-0.208 χ^2/NDF: 1064346.4/64

In: 1853.502+/-0.215 χ^2/NDF:718178.2/53

Out: 1841.240+/-0.213 χ^2/NDF:1012292.5/58

All: 1847.315+/-0.151 χ^2/NDF: 1732113.4/11



Right In: 108.869+/-2132.115 χ^2/NDF: 34.8/30

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -1812.611+/-2034.047 χ^2/NDF: 43.0/33

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

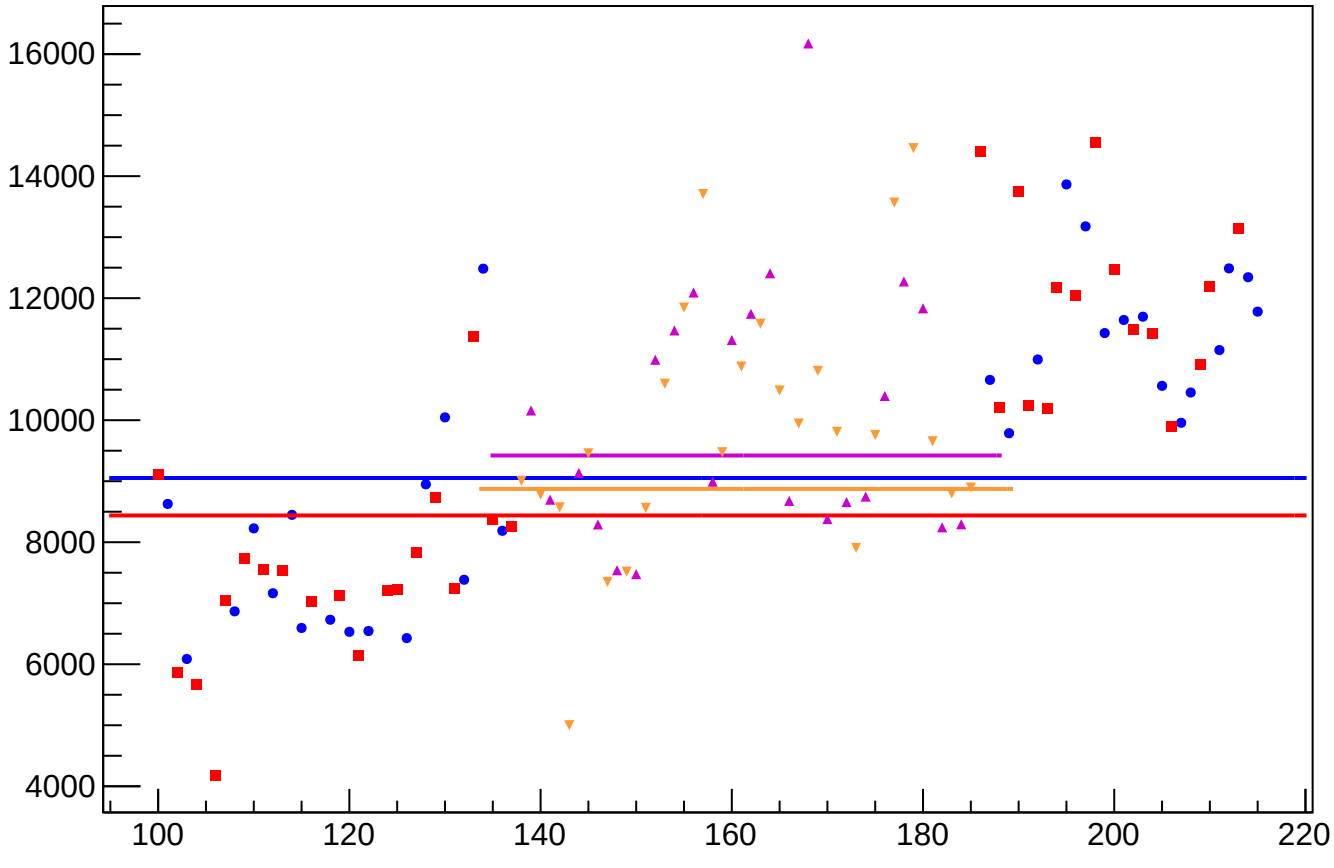
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -897.076+/-1471.737 χ^2/NDF: 78.2/64

In: -149.842+/-1546.061 χ^2/NDF:48.4/53

Out: -1163.821+/-1457.410 χ^2/NDF:72.0/58

All: -686.734+/-1060.500 χ^2/NDF: 120.6/112



Right In: 9052.868+/-1.508 χ^2/NDF: 2284412.6/30

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8438.770+/-1.438 χ^2/NDF: 3435977.8/33

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

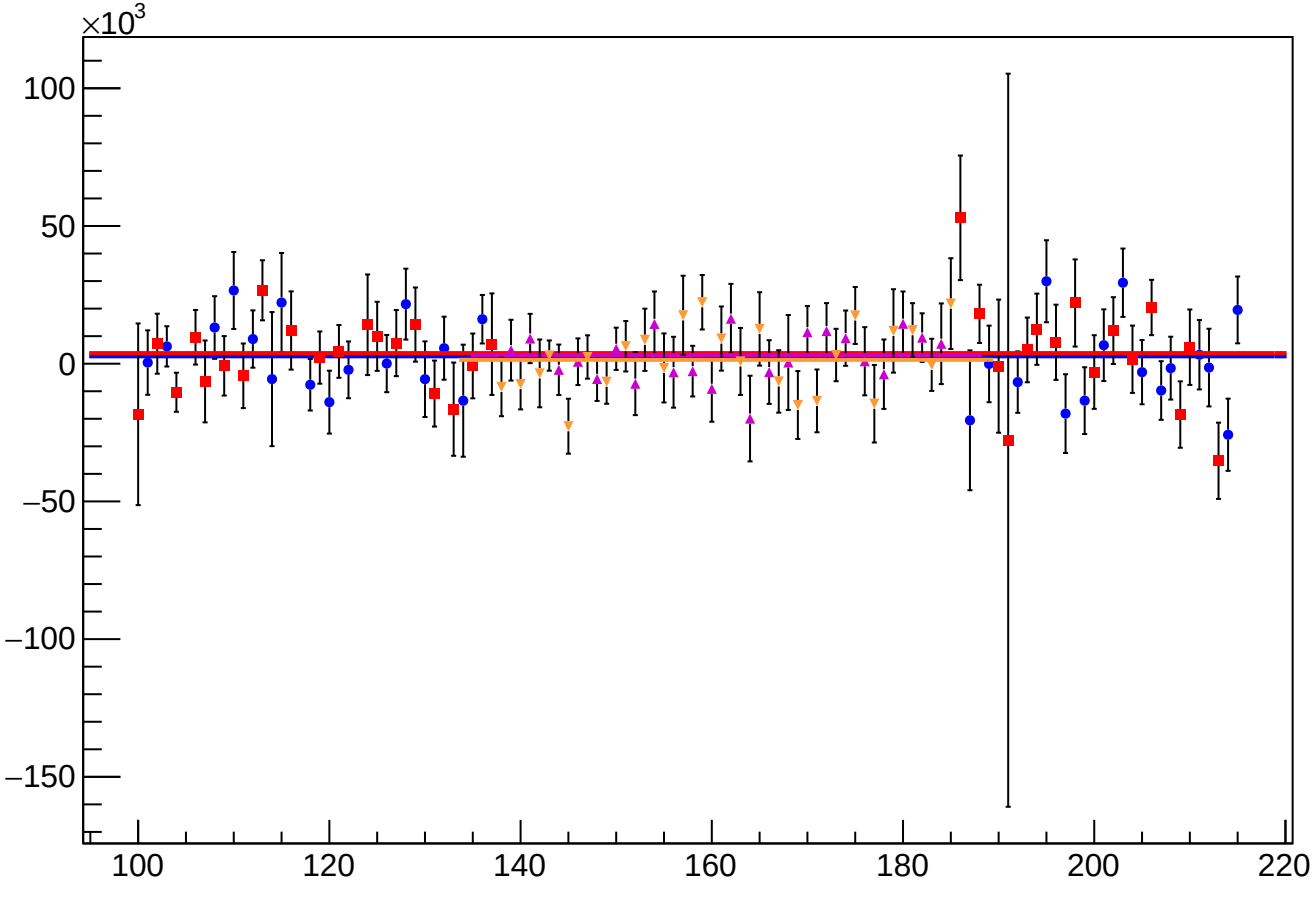
Right: 8731.372+/-1.041 χ^2/NDF: 5807250.8/64

In: 9227.773+/-1.093 χ^2/NDF:3517648.1/53

Out: 8650.369+/-1.031 χ^2/NDF:5683707.3/58

All: 8922.043+/-0.750 χ^2/NDF: 9349060.4/11

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2680.391+/-2150.949 χ^2/NDF: 36.9/30

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 3856.479+/-2135.268 χ^2/NDF: 38.6/33

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

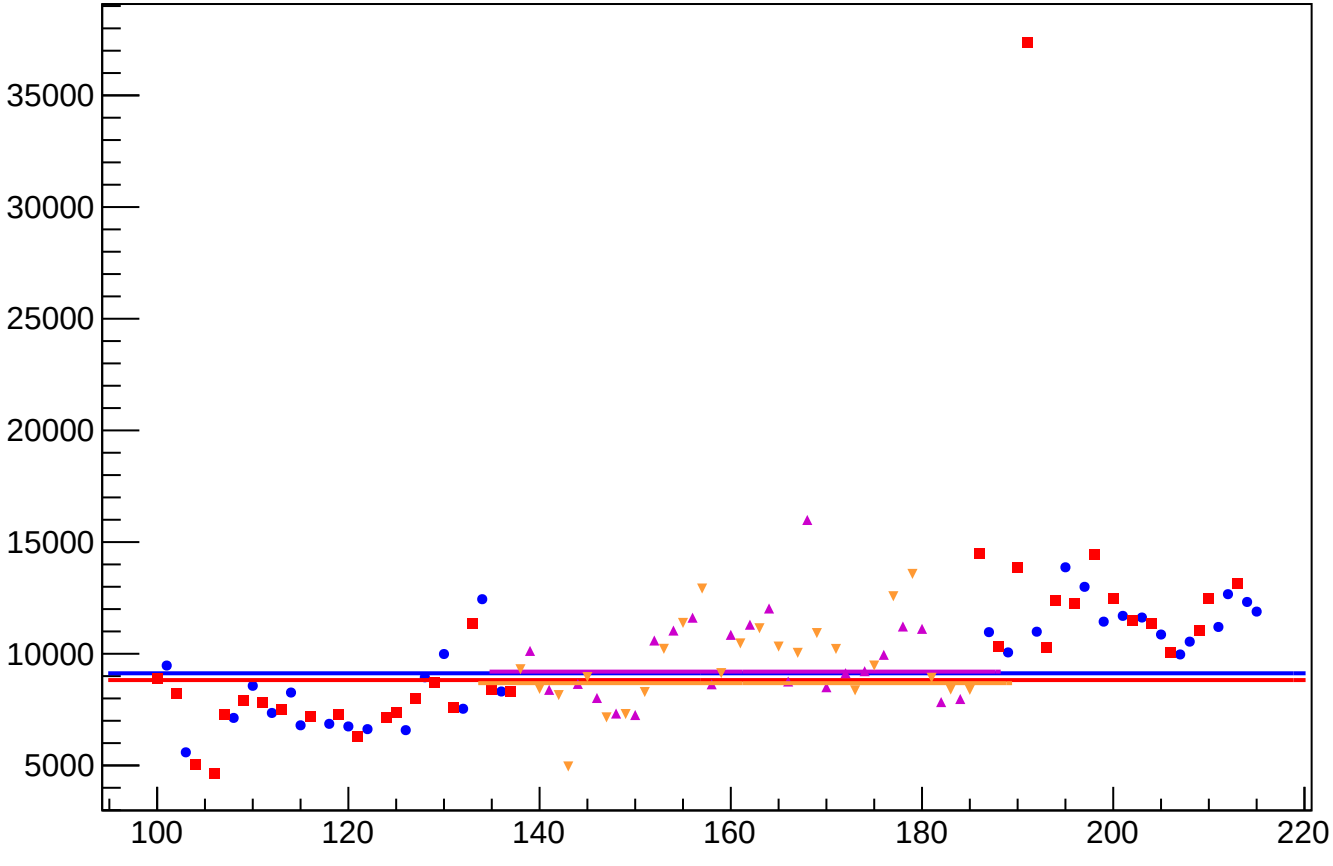
Right: 3272.738+/-1515.376 χ^2/NDF: 75.7/64

In: 2905.756+/-1534.387 χ^2/NDF:49.9/53

Out: 2576.511+/-1474.993 χ^2/NDF:66.7/58

All: 2734.638+/-1063.355 χ^2/NDF: 116.6/112

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 9126.258+/-1.521 χ^2/NDF: 2336031.8/30

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8822.352+/-1.510 χ^2/NDF: 3019548.4/33

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

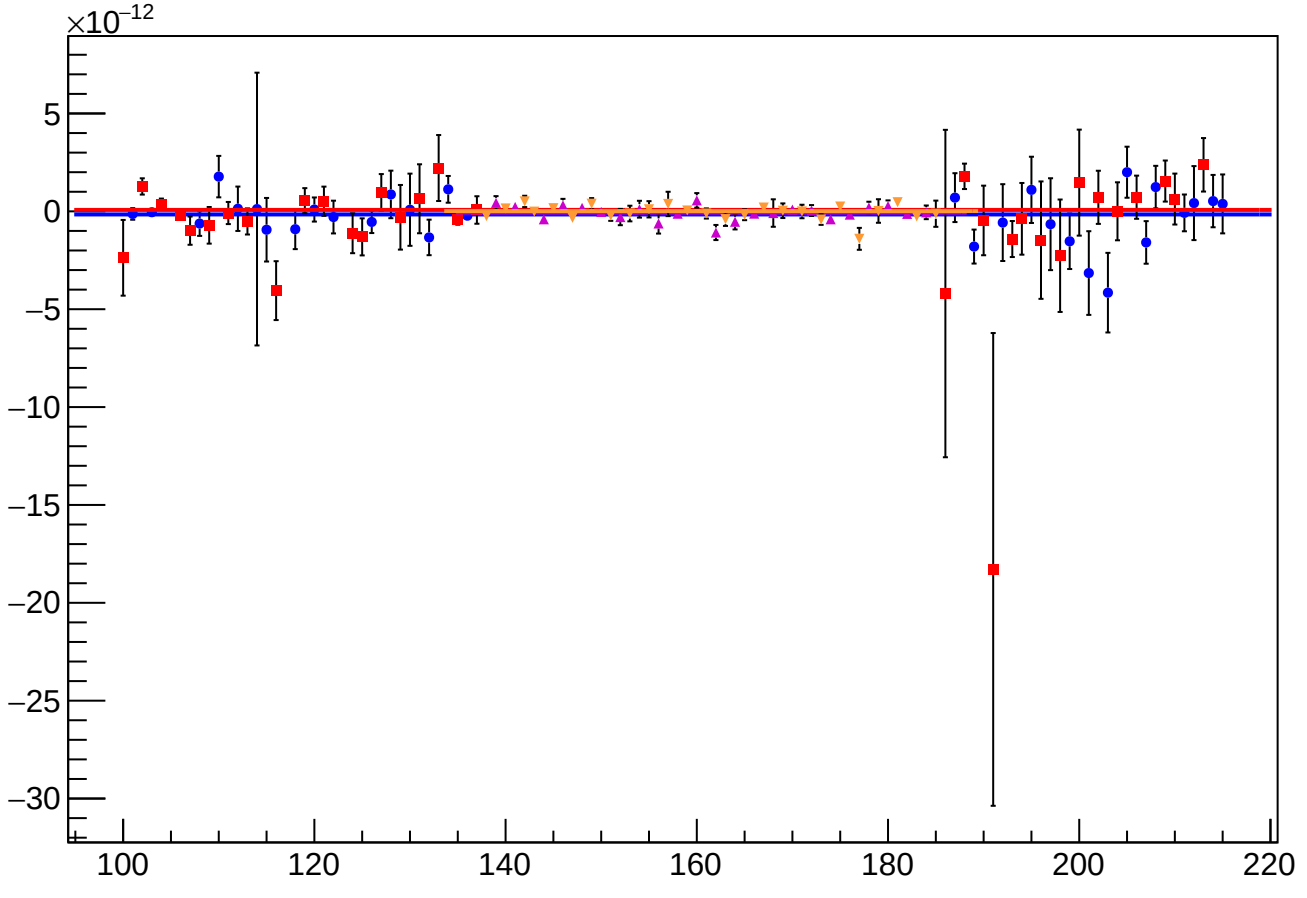
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8973.186+/-1.072 χ^2/NDF: 5375690.0/64

In: 9162.866+/-1.085 χ^2/NDF:3466632.6/53

Out: 8750.309+/-1.043 χ^2/NDF:5075526.1/58

All: 8948.443+/-0.752 χ^2/NDF: 8617306.6/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 52.3/33

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

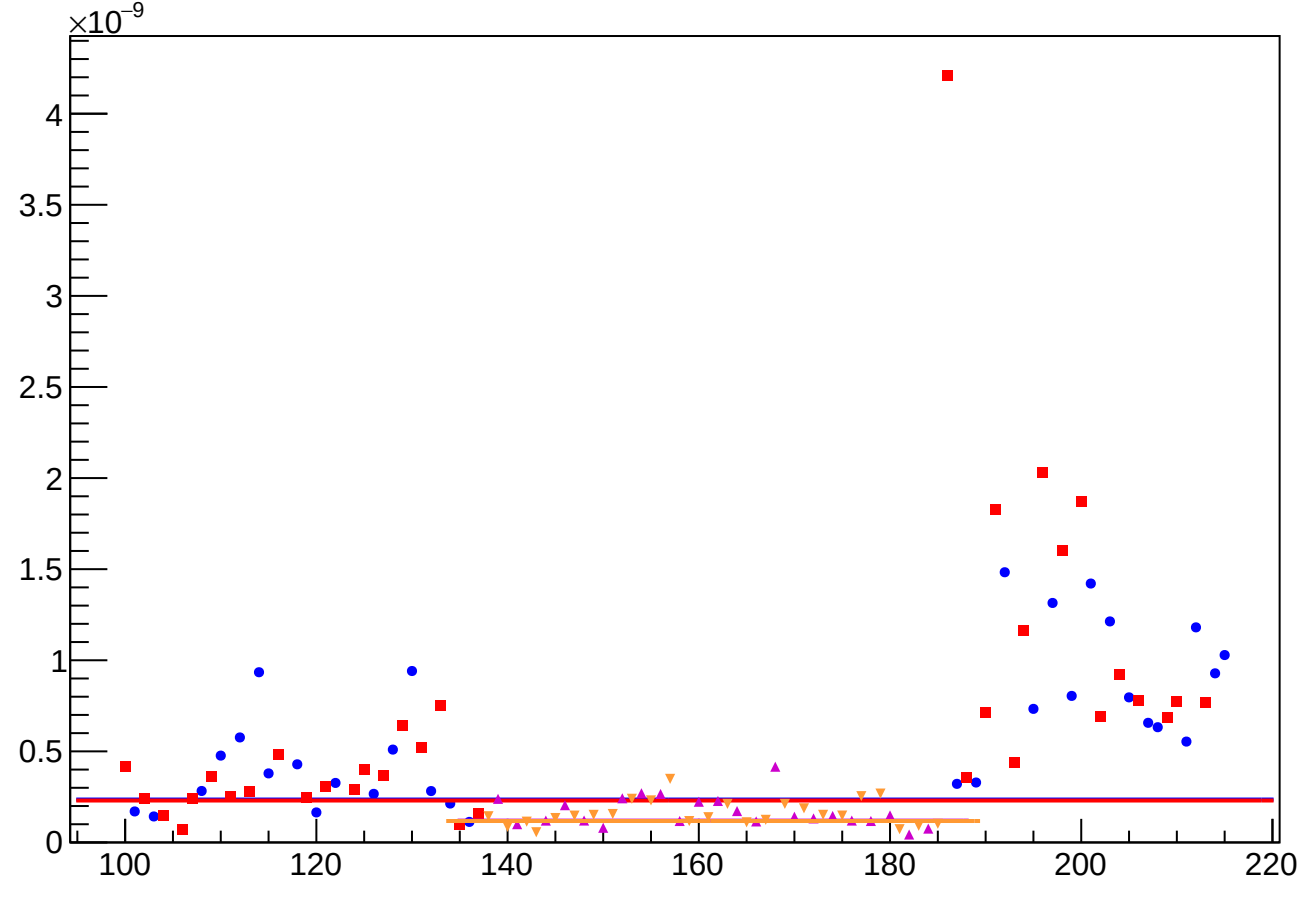
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 84.0/64

In: -0.000+/-0.000 χ^2/NDF:58.1/53

Out: 0.000+/-0.000 χ^2/NDF:81.3/58

All: -0.000+/-0.000 χ^2/NDF: 141.8/112



Right In: 0.000+/-0.000 χ^2/NDF: 7592445.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7501156.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

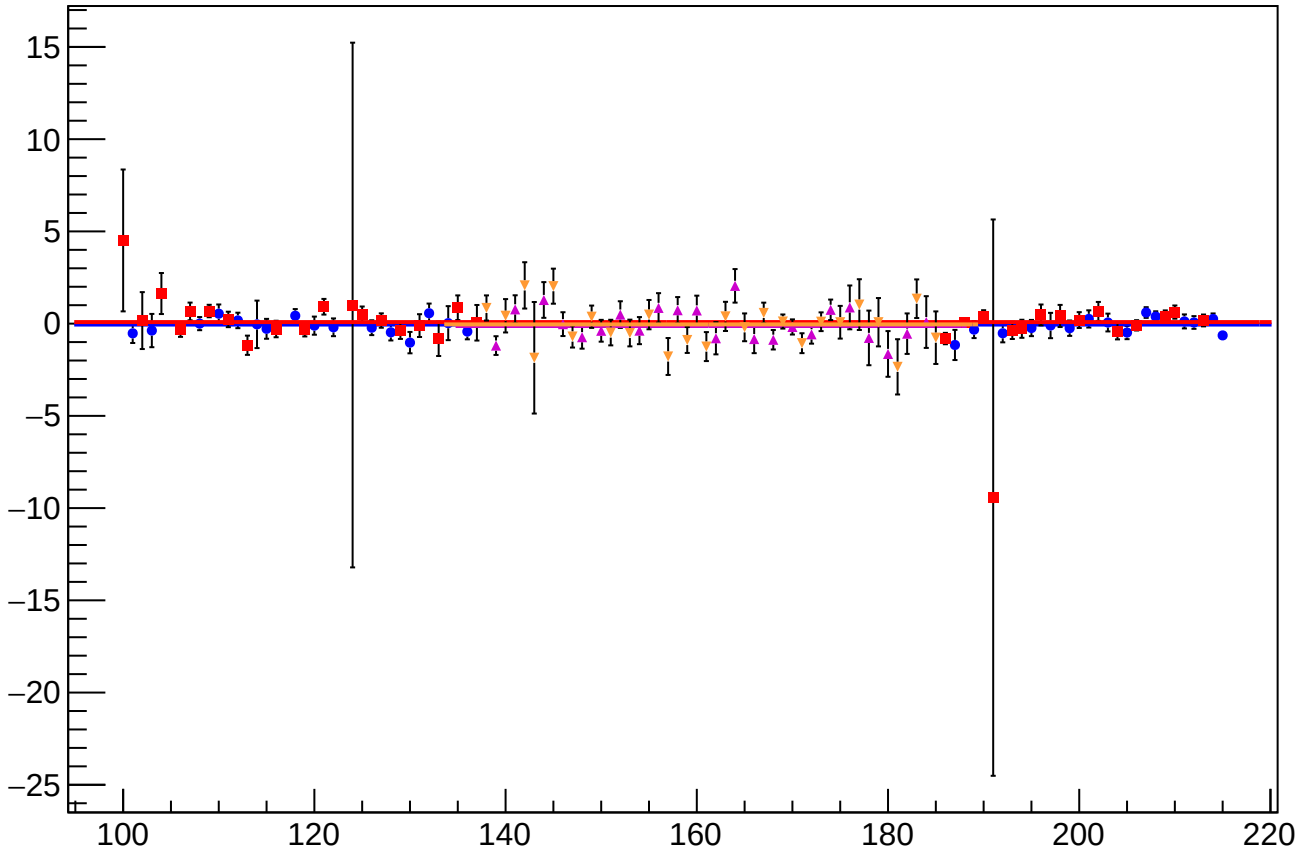
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 15095846.4/64

In: 0.000+/-0.000 χ^2/NDF:11979582.1/53

Out: 0.000+/-0.000 χ^2/NDF:11436032.2/58

All: 0.000+/-0.000 χ^2/NDF: 23428836.6/112



Right In: -0.050+/-0.076 χ^2/NDF: 29.7/30

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.084+/-0.072 χ^2/NDF: 43.3/33

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

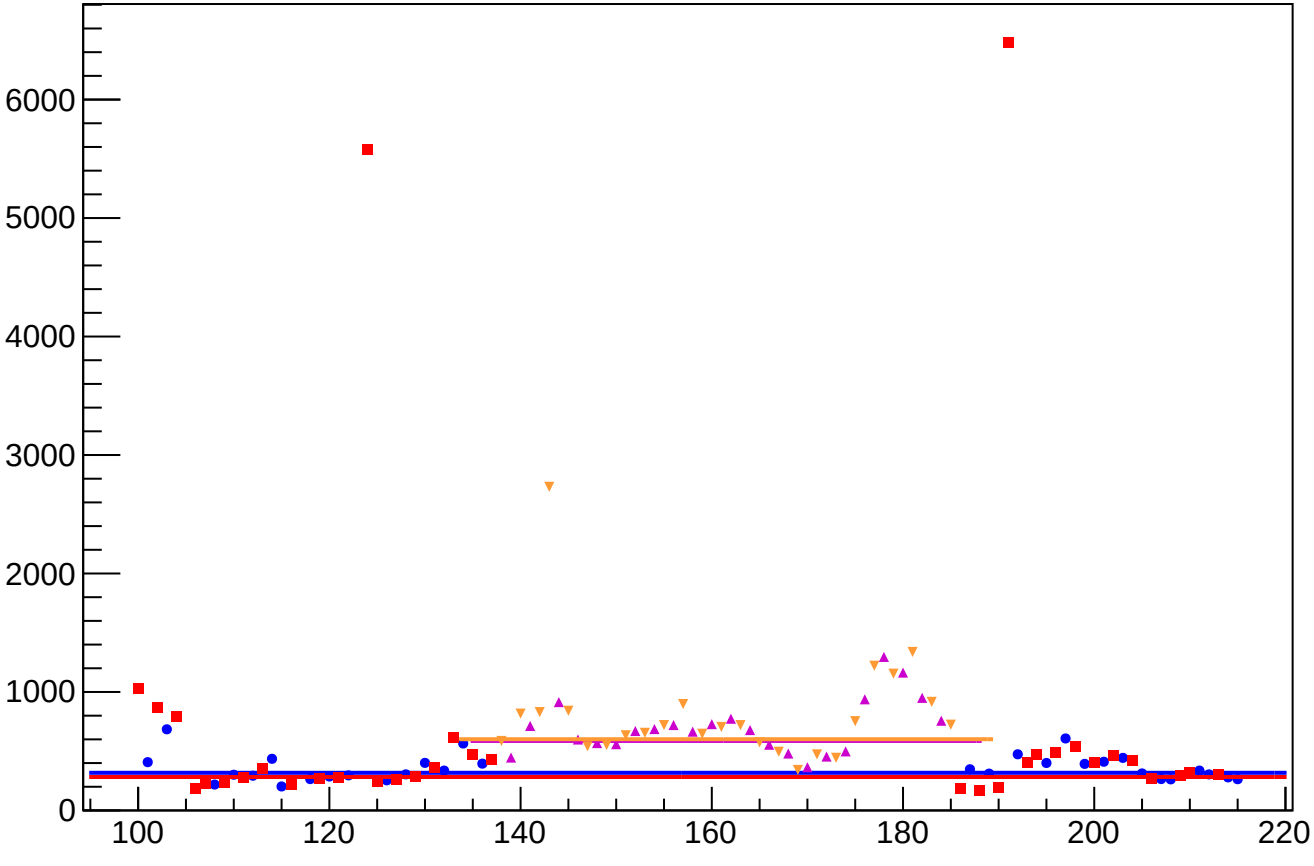
Right: 0.021+/-0.053 χ^2/NDF: 74.6/64

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: -0.001+/-0.047 χ^2/NDF: 134.8/112

asym_at2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 317.901+/-0.054 χ^2/NDF: 2200401.4/30

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 282.436+/-0.051 χ^2/NDF: 5021010.8/33

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

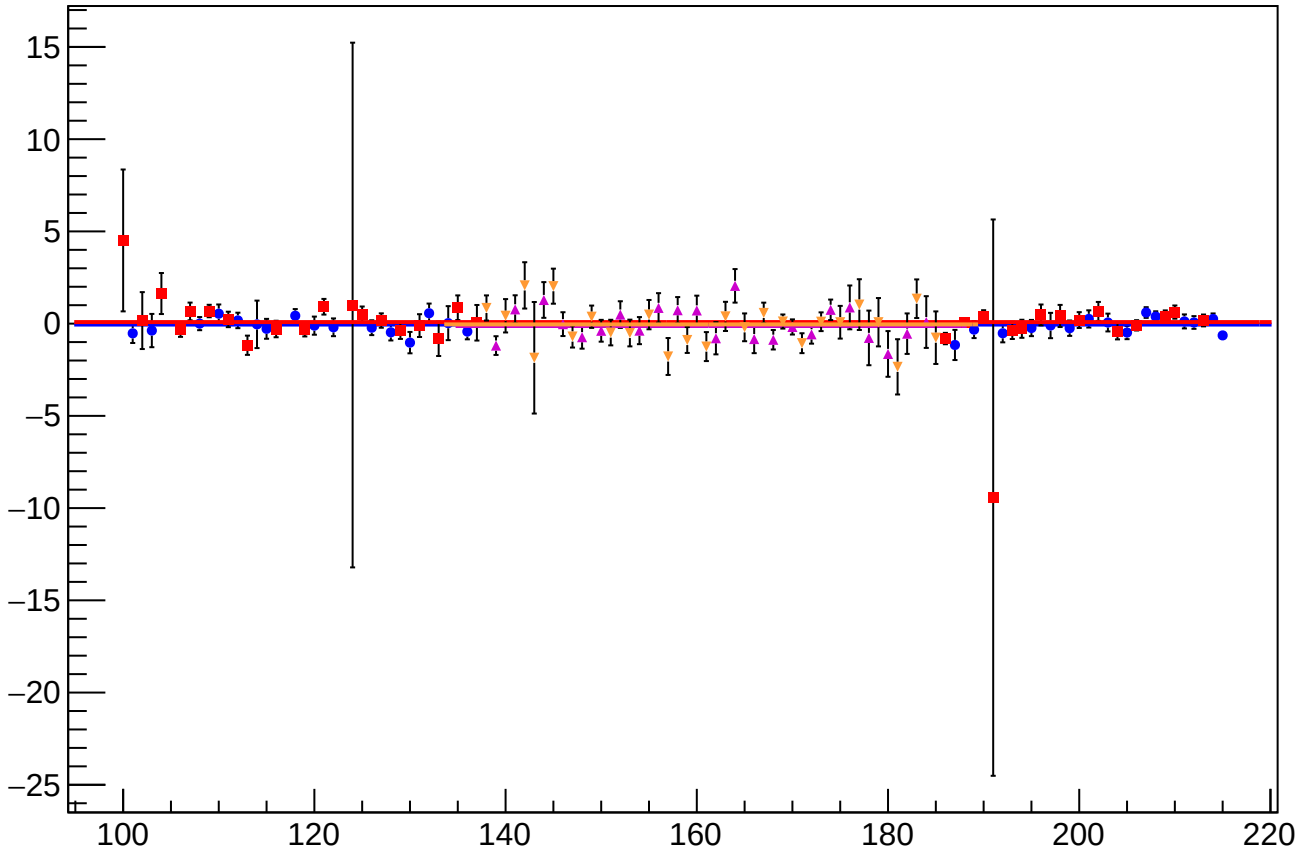
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 299.243+/-0.037 χ^2/NDF: 7448660.3/64

In: 376.105+/-0.048 χ^2/NDF:10510296.6/53

Out: 344.355+/-0.046 χ^2/NDF:17006898.6/58

All: 359.623+/-0.033 χ^2/NDF: 27746553.7/11



Right In: -0.050+/-0.076 χ^2/NDF: 29.7/30

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.084+/-0.072 χ^2/NDF: 43.3/33

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

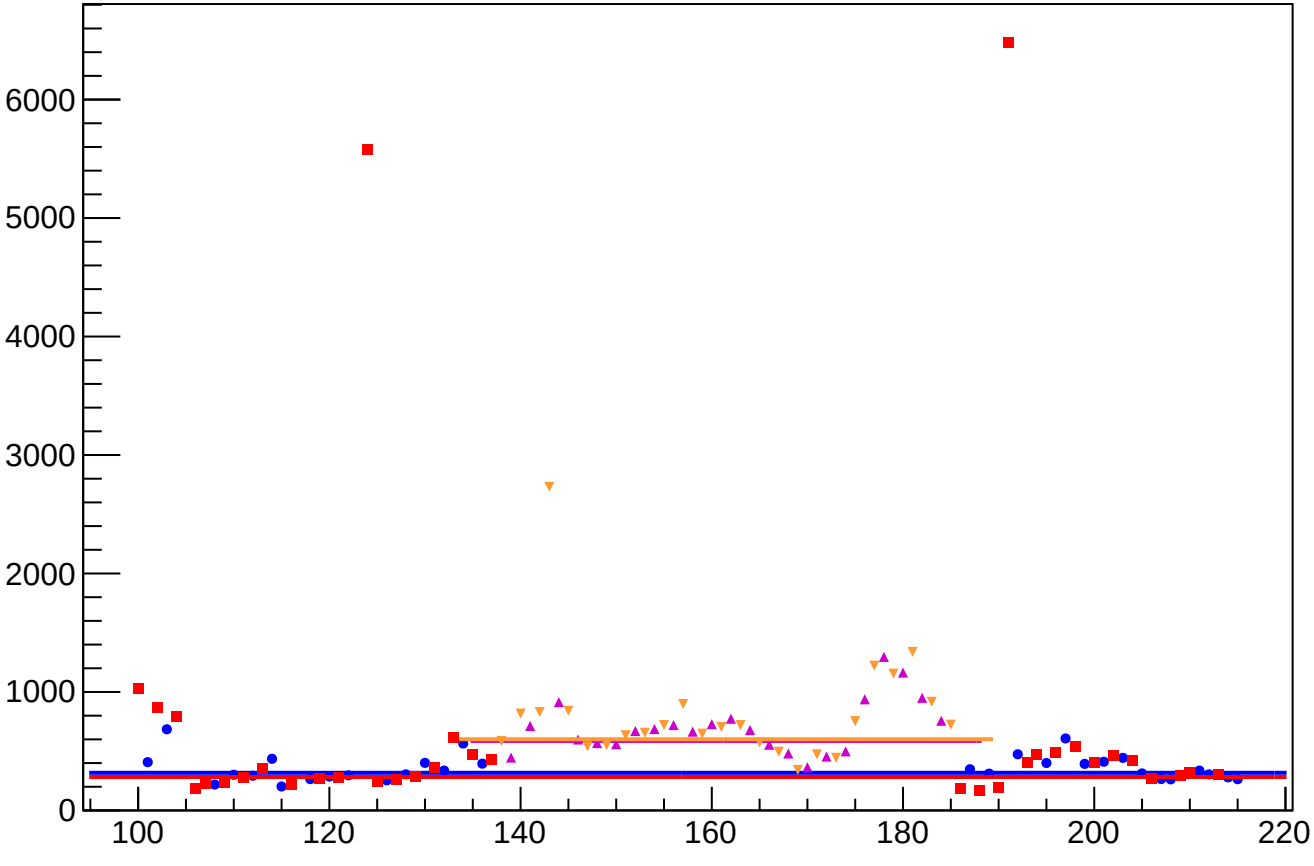
Right: 0.021+/-0.053 χ^2/NDF: 74.6/64

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: -0.001+/-0.047 χ^2/NDF: 134.8/112

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 317.901+/-0.054 χ^2/NDF: 2200401.4/30

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 282.436+/-0.051 χ^2/NDF: 5021010.8/33

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

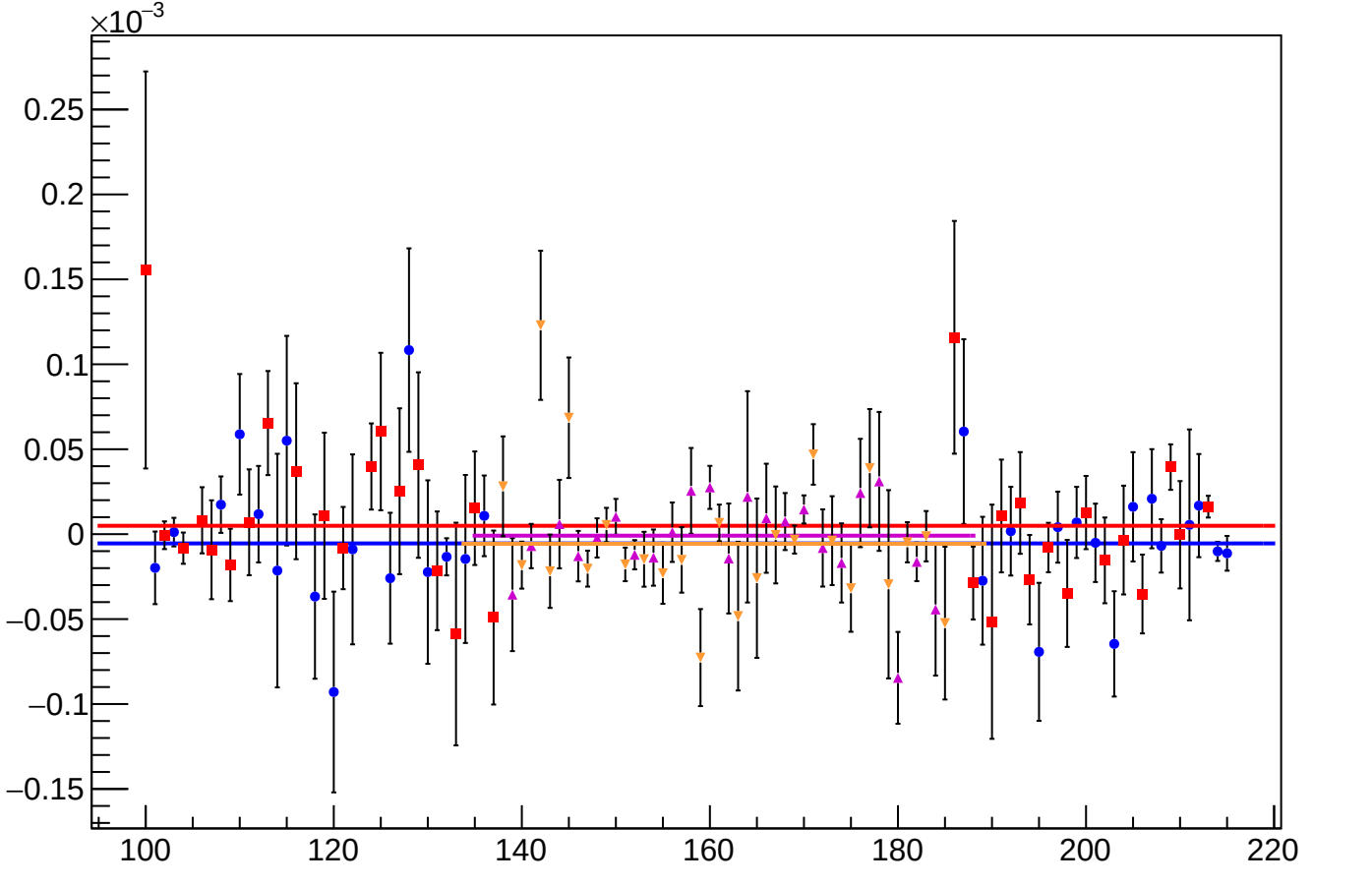
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 299.243+/-0.037 χ^2/NDF: 7448660.3/64

In: 376.105+/-0.048 χ^2/NDF:10510296.6/53

Out: 344.355+/-0.046 χ^2/NDF:17006898.6/58

All: 359.623+/-0.033 χ^2/NDF: 27746553.7/1



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.3/33

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

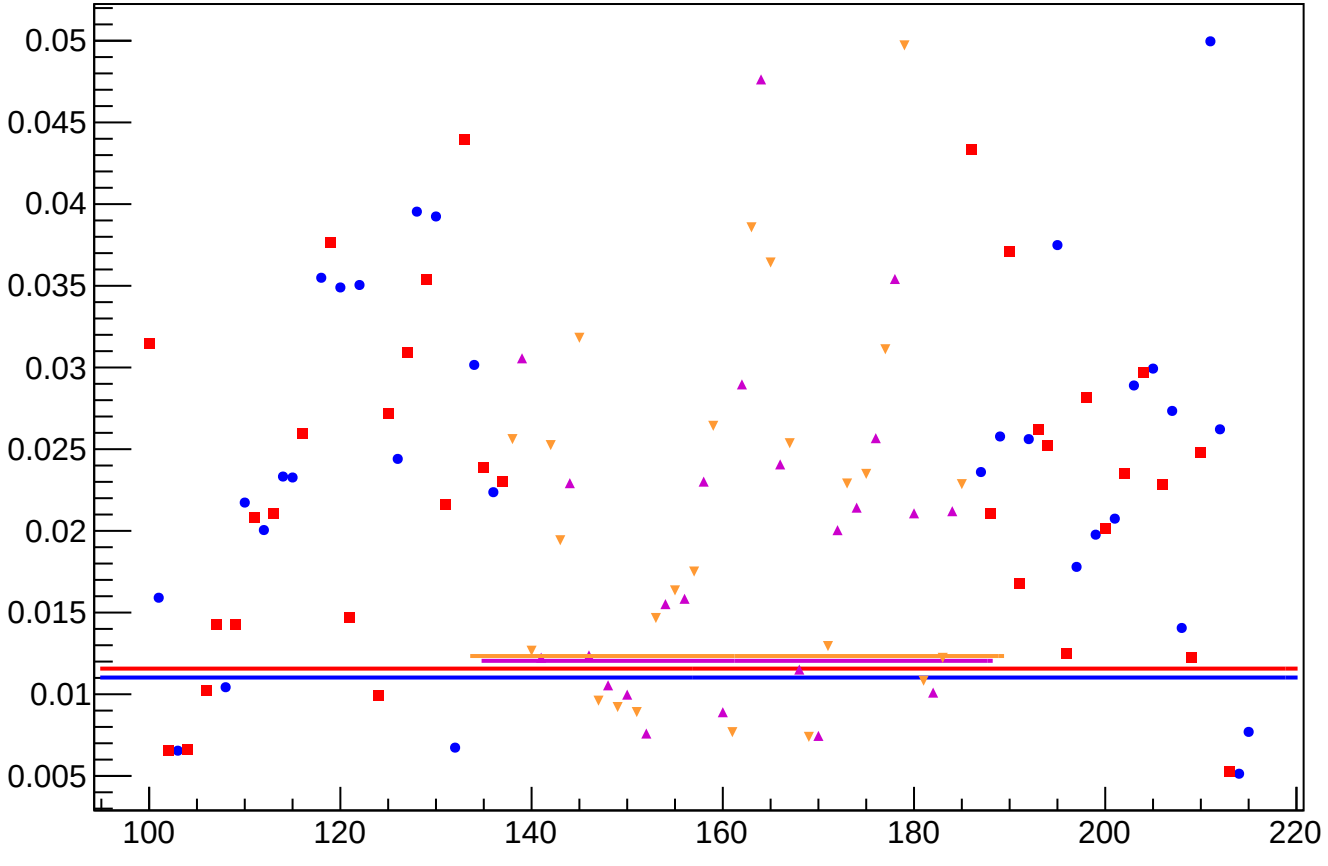
Right: -0.000+/-0.000 χ^2/NDF: 72.0/64

In: -0.000+/-0.000 χ^2/NDF:57.8/53

Out: -0.000+/-0.000 χ^2/NDF:88.1/58

All: -0.000+/-0.000 χ^2/NDF: 146.7/112

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 13429987.7/30

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 11427831.0/33

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

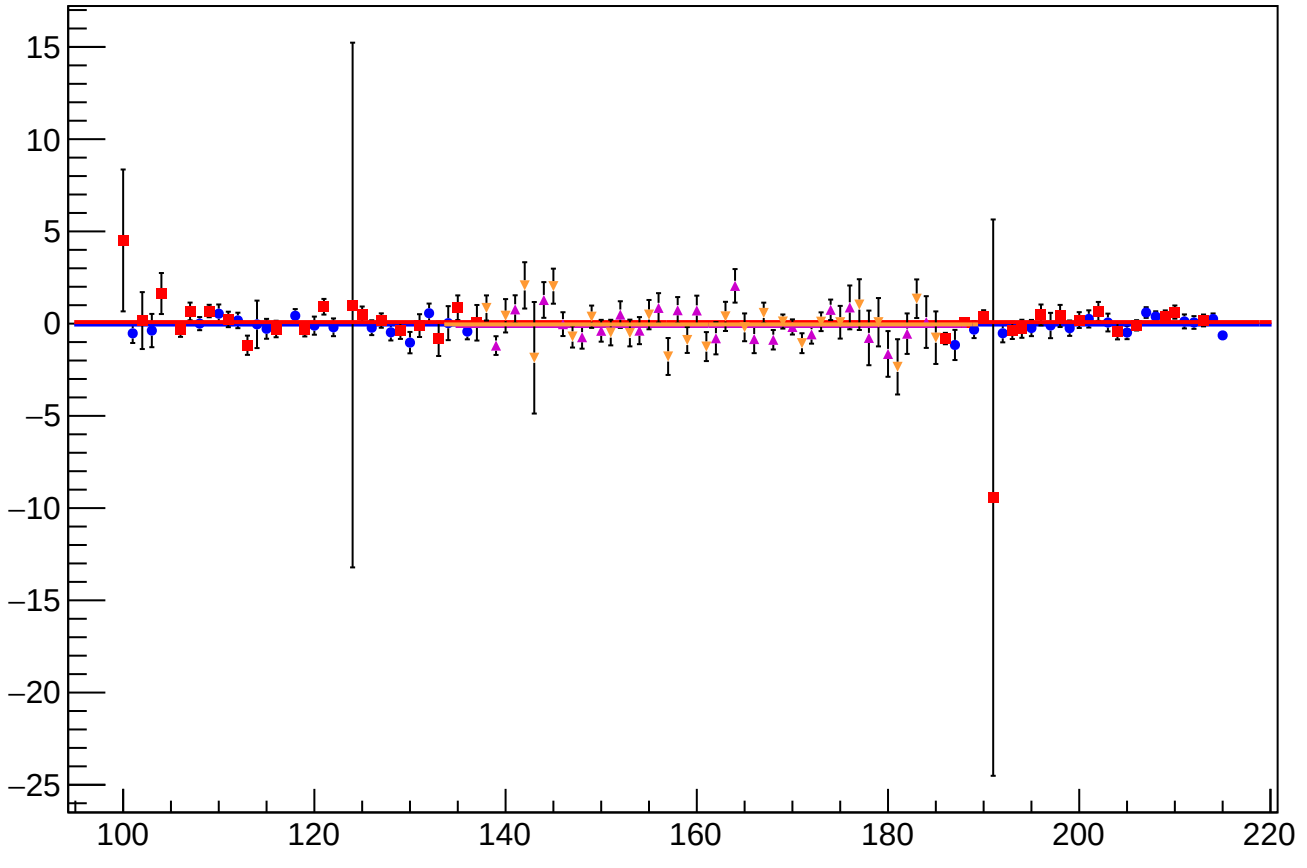
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.011+/-0.000 χ^2/NDF: 24885681.0/64

In: 0.012+/-0.000 χ^2/NDF:19907266.4/53

Out: 0.012+/-0.000 χ^2/NDF:19322289.2/58

All: 0.012+/-0.000 χ^2/NDF: 39264330.8/112



Right In: -0.050+/-0.076 χ^2/NDF: 29.7/30

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.084+/-0.072 χ^2/NDF: 43.3/33

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

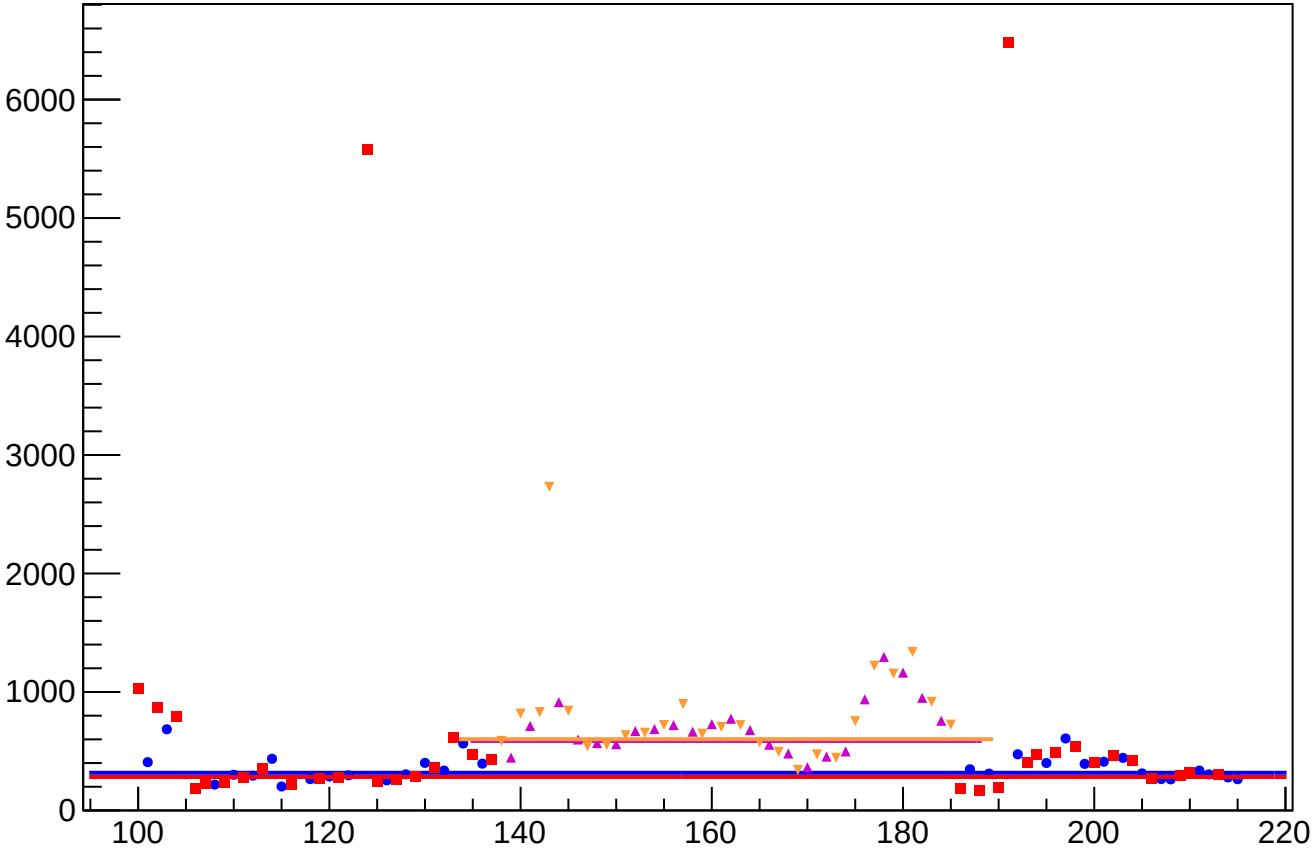
Right: 0.021+/-0.053 χ^2/NDF: 74.6/64

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: -0.001+/-0.047 χ^2/NDF: 134.8/112

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 317.900+/-0.054 χ^2/NDF: 2200398.1/30

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 282.430+/-0.051 χ^2/NDF: 5021331.5/33

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

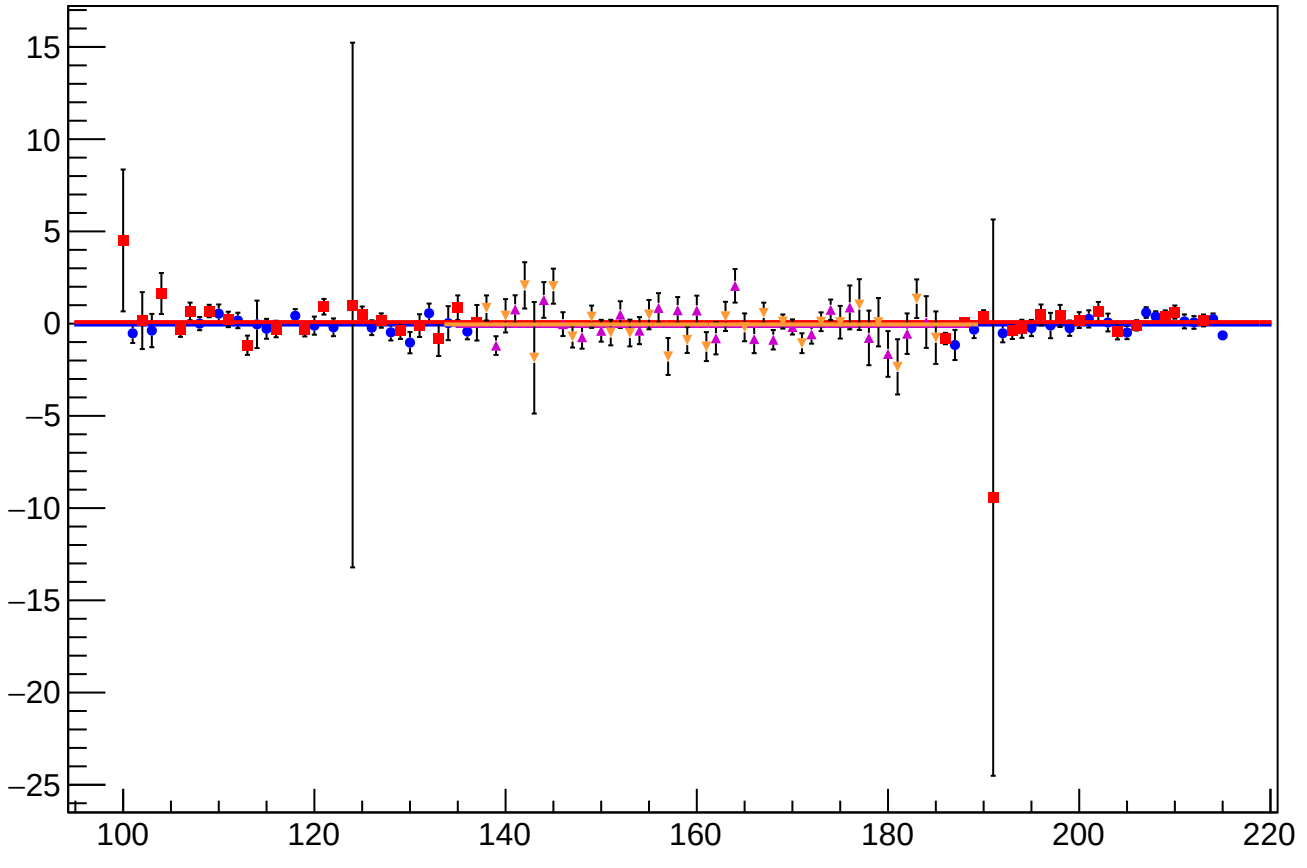
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 299.239+/-0.037 χ^2/NDF: 7449048.9/64

In: 376.104+/-0.048 χ^2/NDF:10510513.4/53

Out: 344.349+/-0.046 χ^2/NDF:17007729.0/58

All: 359.619+/-0.033 χ^2/NDF: 27747688.5/11



Right In: -0.050+/-0.076 χ^2/NDF: 29.7/30

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.084+/-0.072 χ^2/NDF: 43.3/33

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

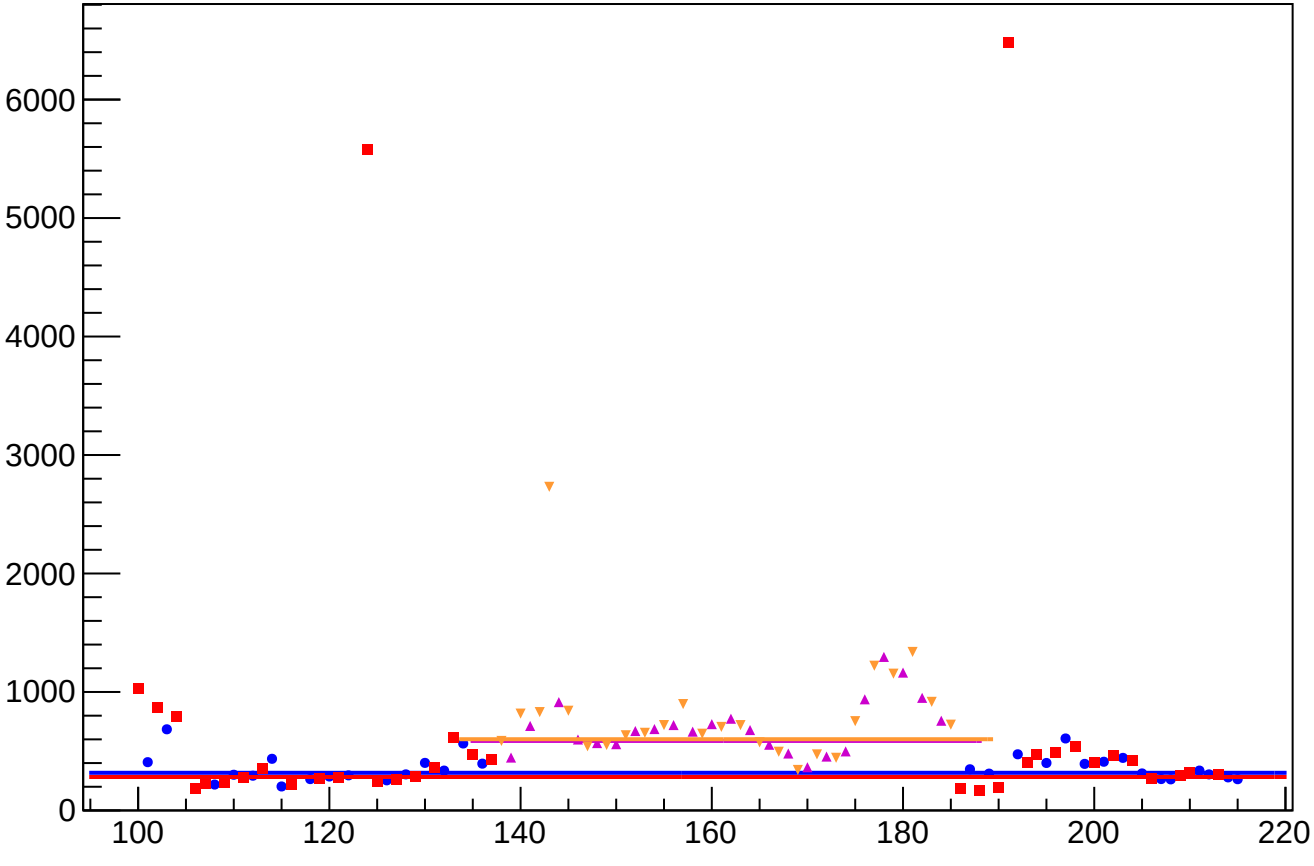
Right: 0.021+/-0.053 χ^2/NDF: 74.6/64

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.060+/-0.065 χ^2/NDF:74.0/58

All: -0.001+/-0.047 χ^2/NDF: 134.8/112

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 317.900+/-0.054 χ^2/NDF: 2200398.1/30

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 282.430+/-0.051 χ^2/NDF: 5021331.5/33

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

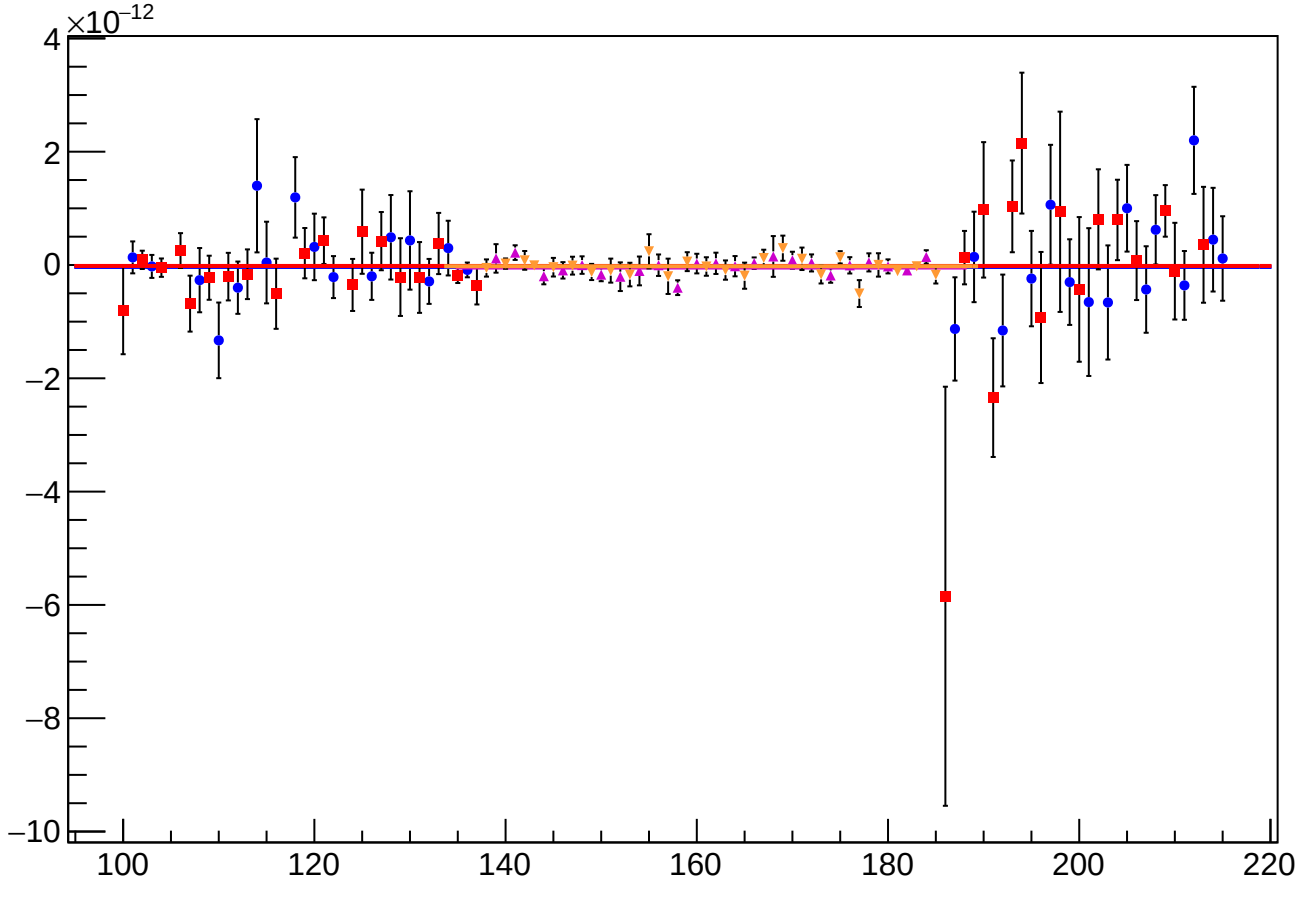
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 299.239+/-0.037 χ^2/NDF: 7449048.9/64

In: 376.104+/-0.048 χ^2/NDF:10510513.4/53

Out: 344.349+/-0.046 χ^2/NDF:17007729.0/58

All: 359.619+/-0.033 χ^2/NDF: 27747688.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/33

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

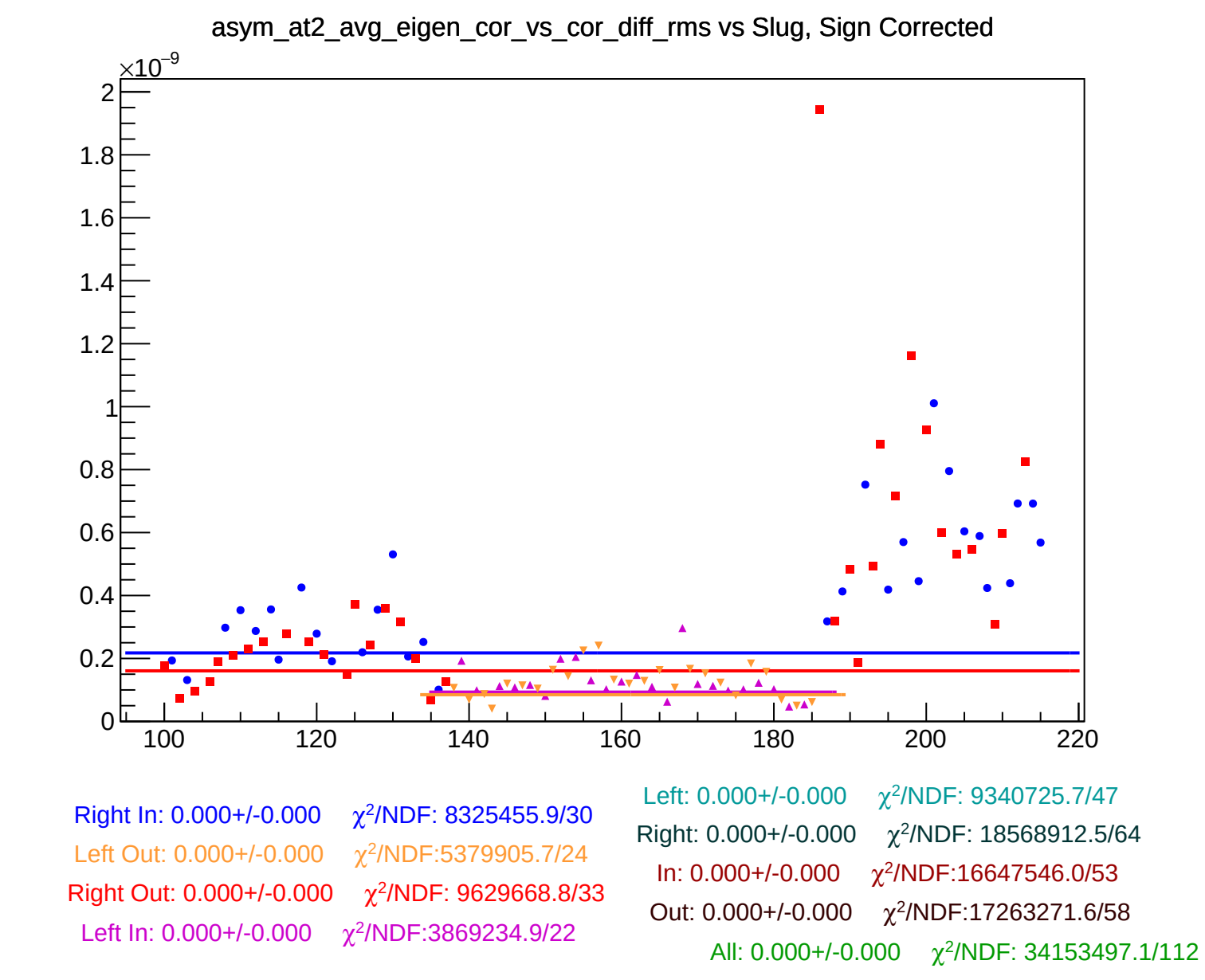
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.8/64

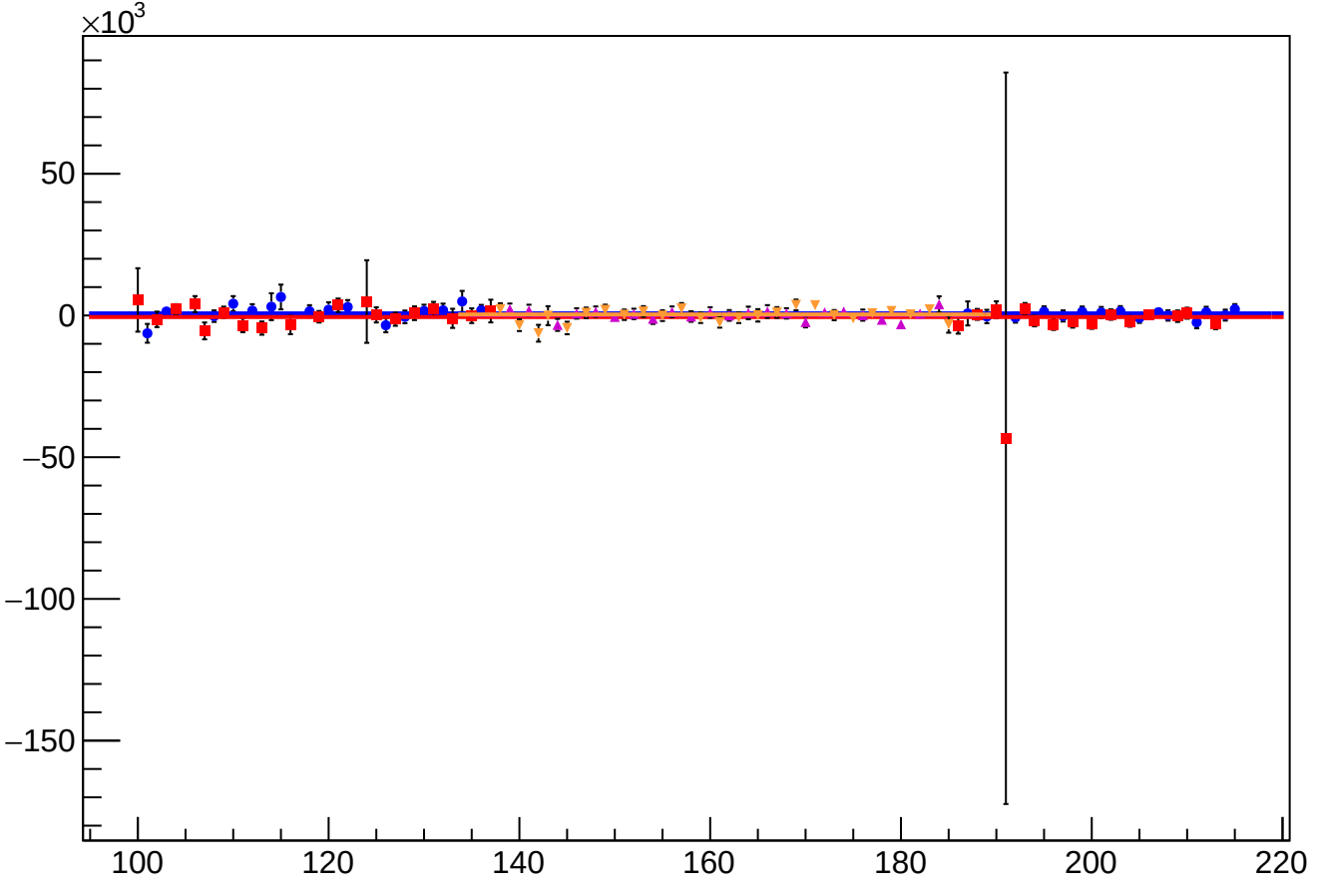
In: -0.000+/-0.000 χ^2/NDF:48.1/53

Out: -0.000+/-0.000 χ^2/NDF:49.0/58

All: -0.000+/-0.000 χ^2/NDF: 97.5/112


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: 8325455.9/30
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 9629668.8/33
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
Left: 0.000+/-0.000 χ²/NDF: 9340725.7/47
Right: 0.000+/-0.000 χ²/NDF: 18568912.5/64
In: 0.000+/-0.000 χ²/NDF:16647546.0/53
Out: 0.000+/-0.000 χ²/NDF:17263271.6/58
All: 0.000+/-0.000 χ²/NDF: 34153497.1/112

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 739.177+/-388.008 χ^2/NDF: 20.4/30

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -555.511+/-396.263 χ^2/NDF: 31.0/33

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

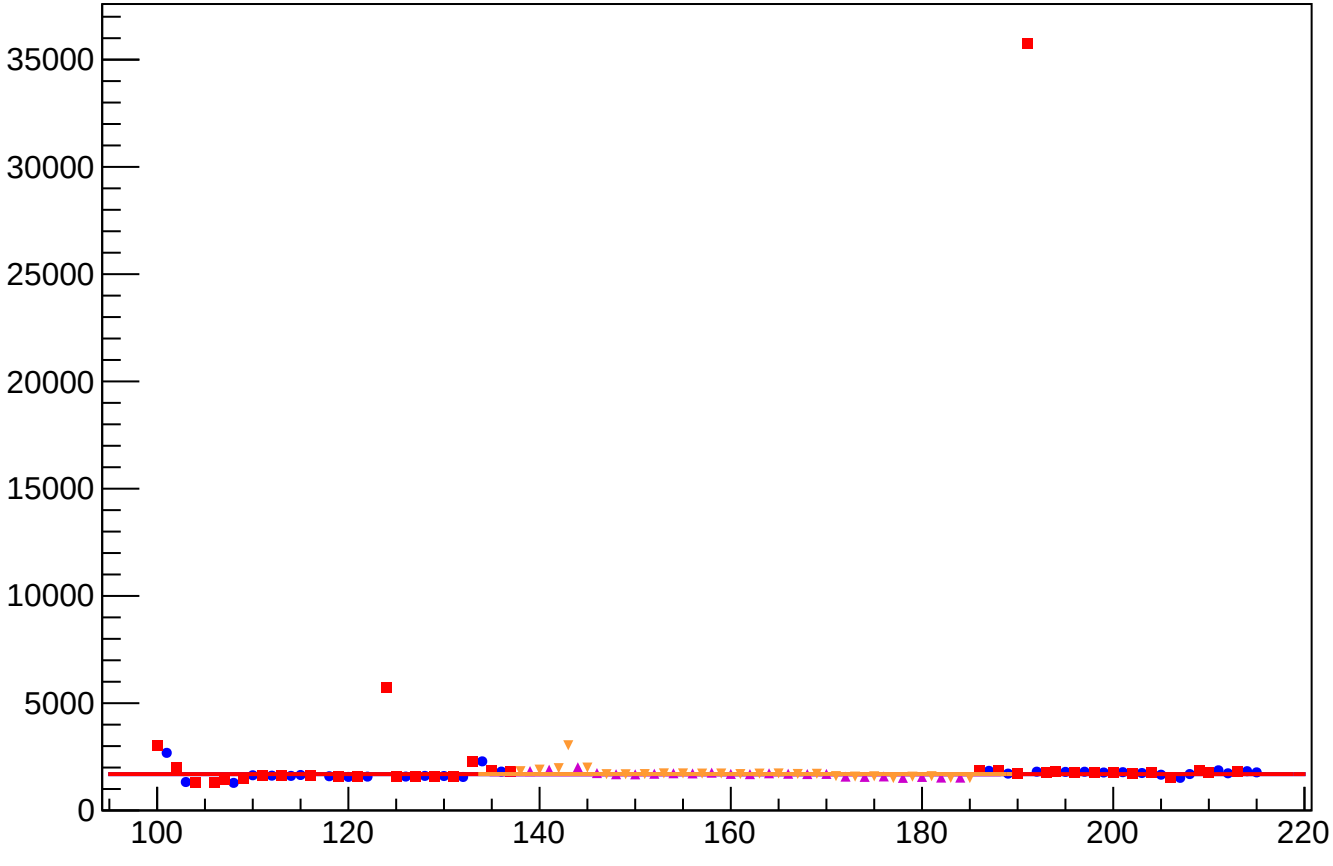
Right: 105.459+/-277.235 χ^2/NDF: 56.9/64

In: 452.753+/-276.546 χ^2/NDF:37.6/53

Out: -87.426+/-277.280 χ^2/NDF:63.3/58

All: 183.380+/-195.807 χ^2/NDF: 102.8/112

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1691.481+/-0.274 χ^2/NDF: 523492.7/30

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1694.429+/-0.280 χ^2/NDF: 720701.7/33

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

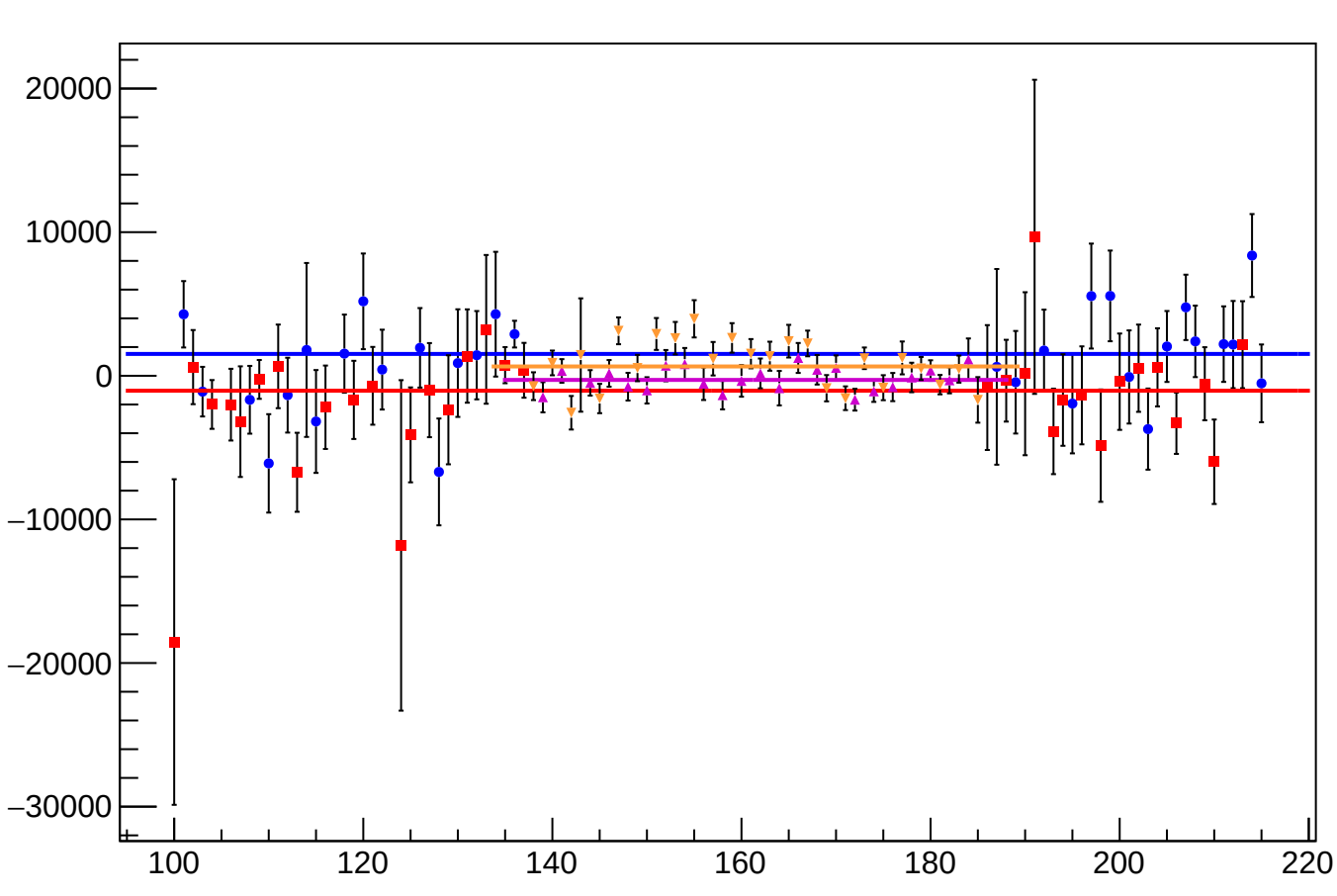
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1692.924+/-0.196 χ^2/NDF: 1244251.0/64

In: 1688.084+/-0.196 χ^2/NDF:689160.0/53

Out: 1695.994+/-0.196 χ^2/NDF:1216160.7/58

All: 1692.029+/-0.138 χ^2/NDF: 1906136.7/11



Right In: 1521.316+/-460.652 χ^2/NDF: 38.7/30

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -1041.117+/-459.920 χ^2/NDF: 23.1/33

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

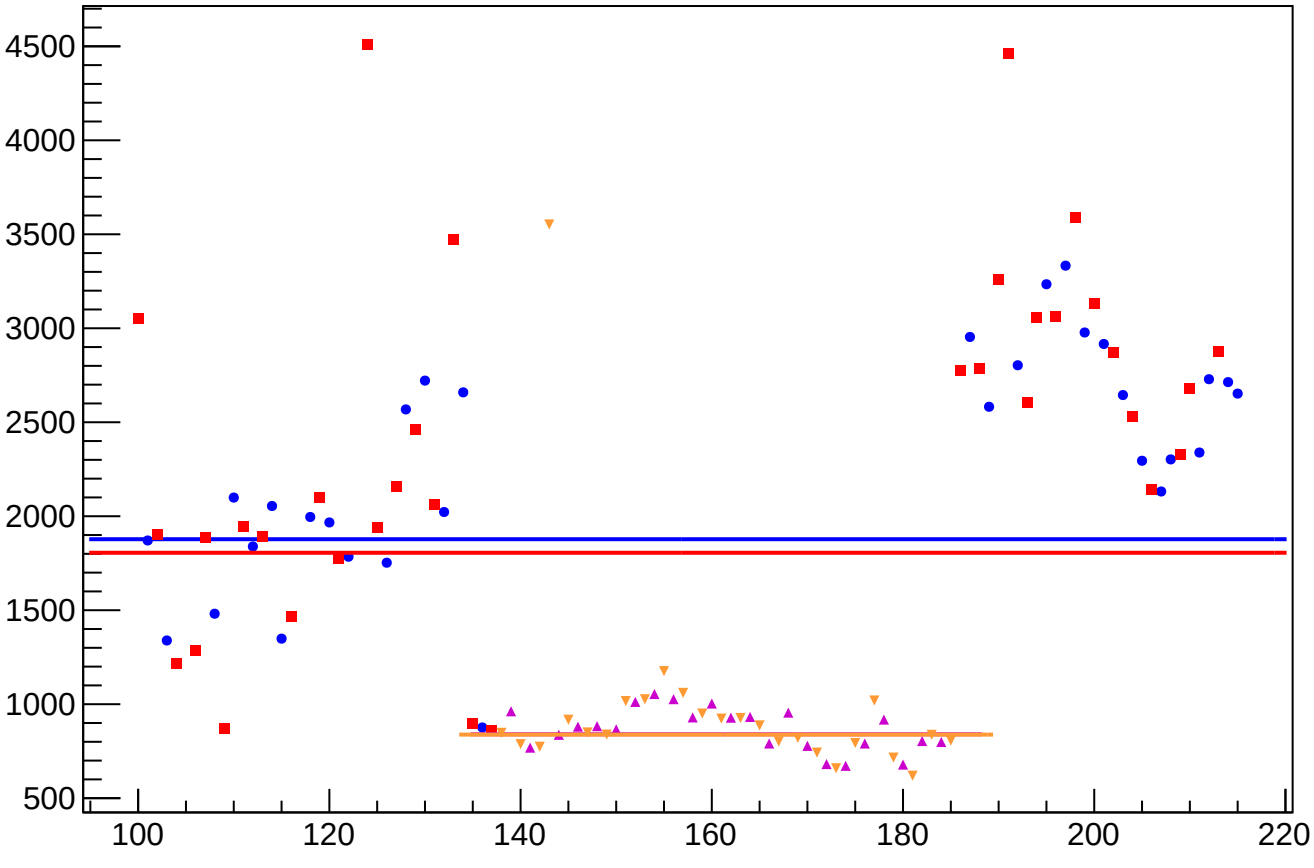
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 238.060+/-325.471 χ^2/NDF: 77.3/64

In: -5.186+/-182.291 χ^2/NDF:68.3/53

Out: 390.108+/-180.053 χ^2/NDF:100.1/58

All: 194.903+/-128.101 χ^2/NDF: 170.8/112



Right In: 1877.734+/-0.326 χ^2/NDF: 5122037.8/30

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1805.674+/-0.325 χ^2/NDF: 6306491.1/33

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

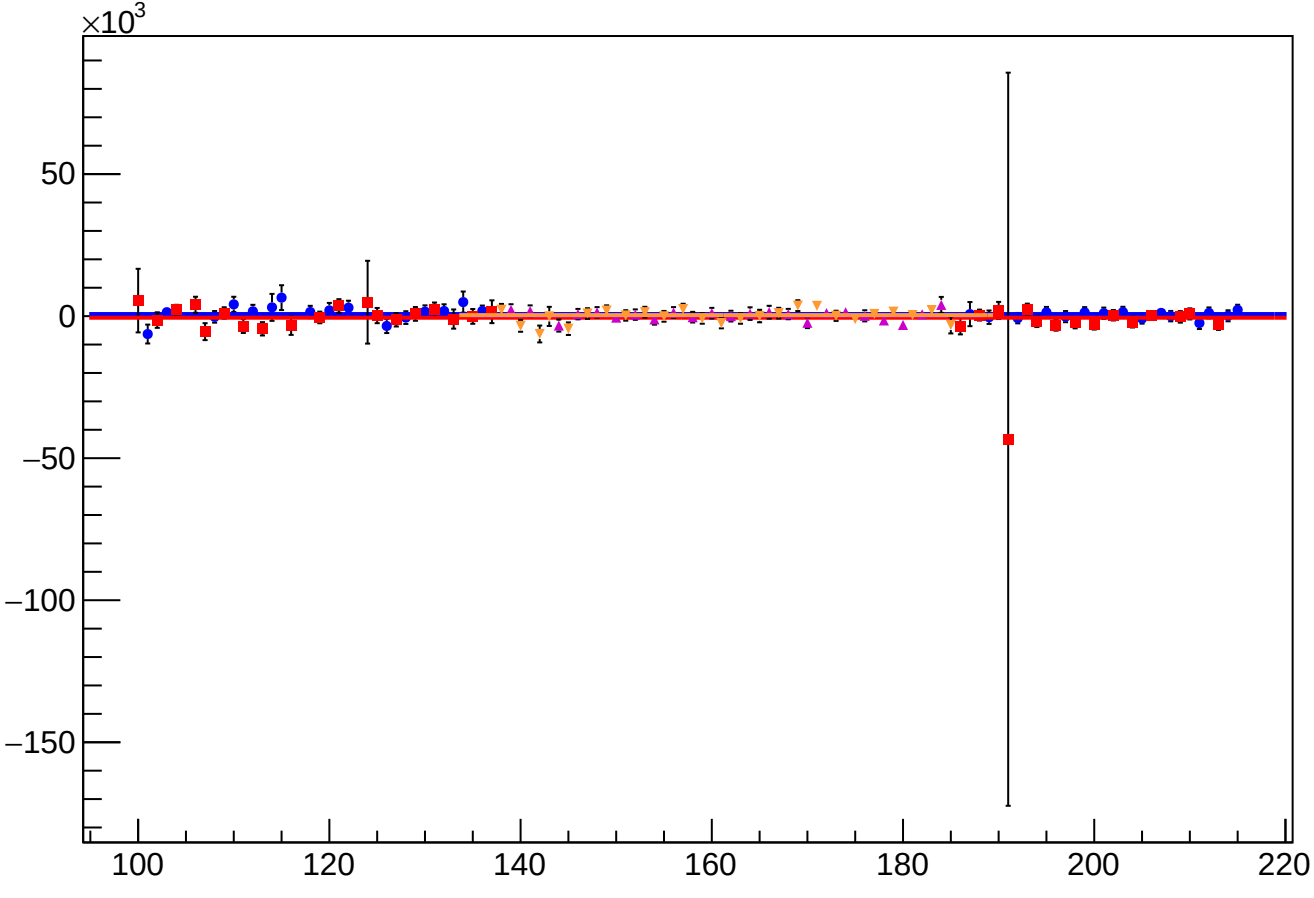
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1841.647+/-0.230 χ^2/NDF: 11453038.8/64

In: 1002.486+/-0.129 χ^2/NDF:14352110.8/53

Out: 986.514+/-0.127 χ^2/NDF:15599726.4/58

All: 994.401+/-0.091 χ^2/NDF: 29959609.2/11



Right In: 739.214+/-388.008 χ^2/NDF: 20.4/30

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -555.608+/-396.263 χ^2/NDF: 31.0/33

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

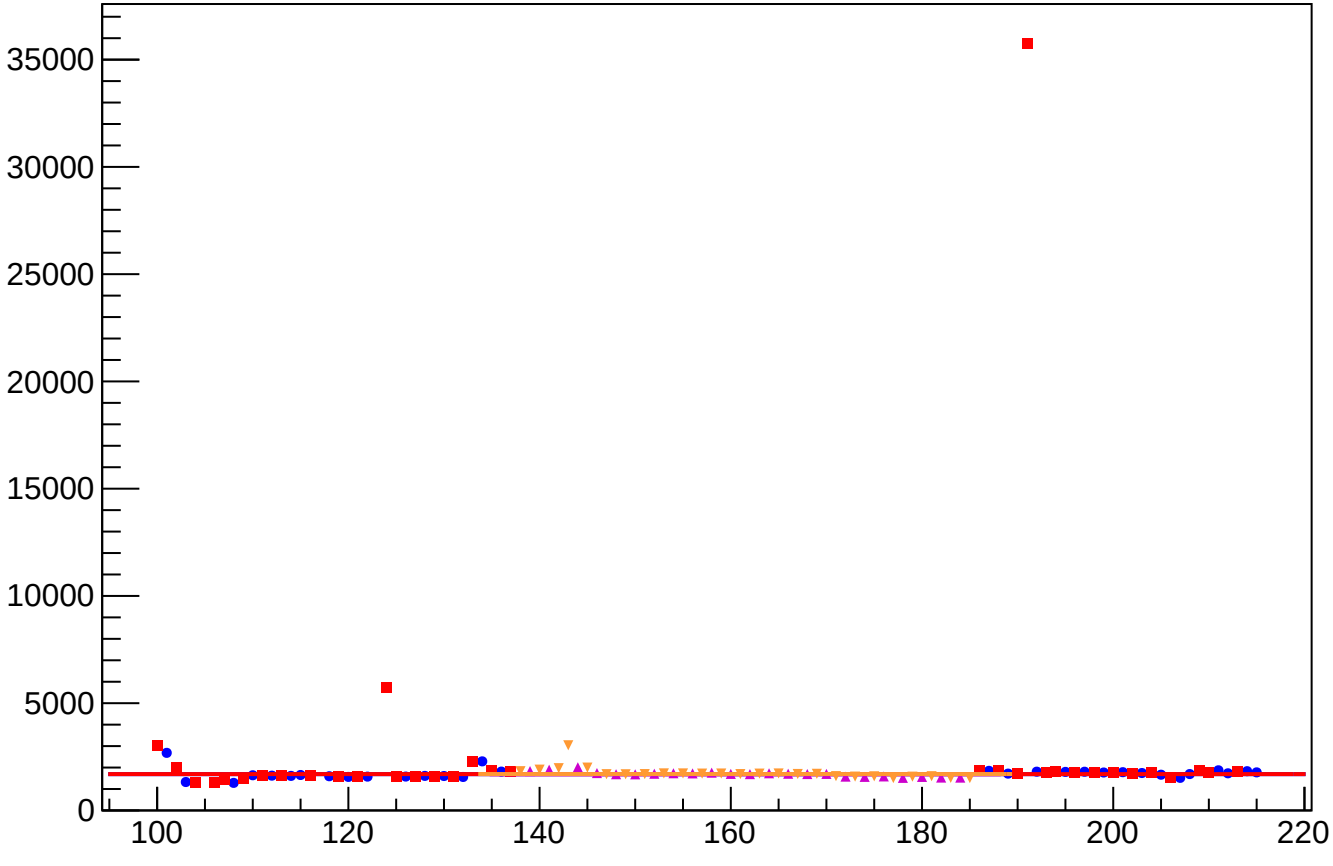
Right: 105.431+/-277.235 χ^2/NDF: 56.9/64

In: 452.726+/-276.546 χ^2/NDF:37.6/53

Out: -87.517+/-277.280 χ^2/NDF:63.3/58

All: 183.321+/-195.807 χ^2/NDF: 102.8/112

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1691.481+/-0.274 χ^2/NDF: 523493.1/30

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1694.429+/-0.280 χ^2/NDF: 720701.9/33

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

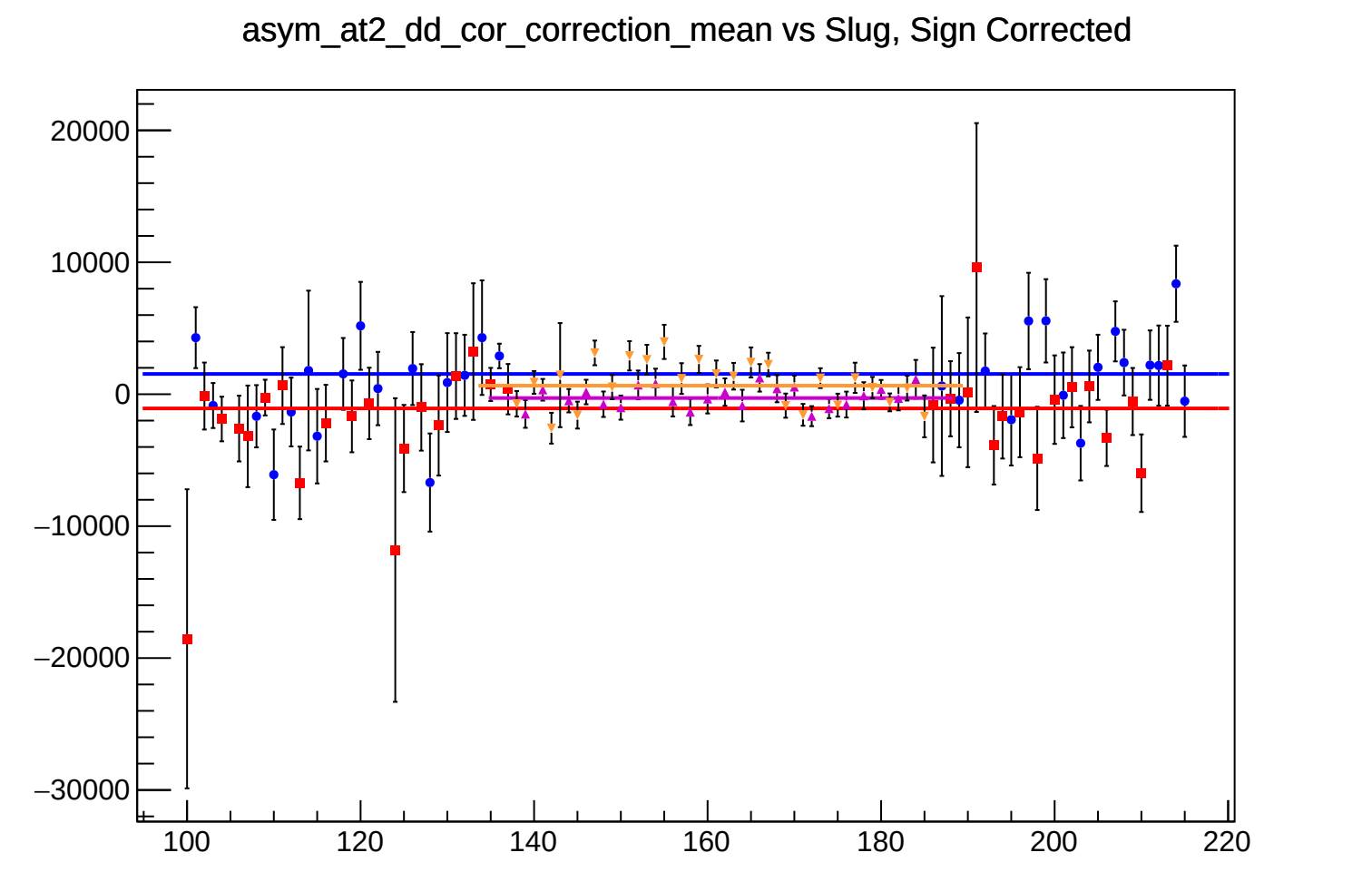
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1692.924+/-0.196 χ^2/NDF: 1244251.5/64

In: 1688.084+/-0.196 χ^2/NDF:689160.4/53

Out: 1695.994+/-0.196 χ^2/NDF:1216160.9/58

All: 1692.029+/-0.138 χ^2/NDF: 1906137.1/11



Right In: 1535.236+/-460.238 χ^2/NDF: 38.4/30

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1076.055+/-459.487 χ^2/NDF: 23.0/33

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

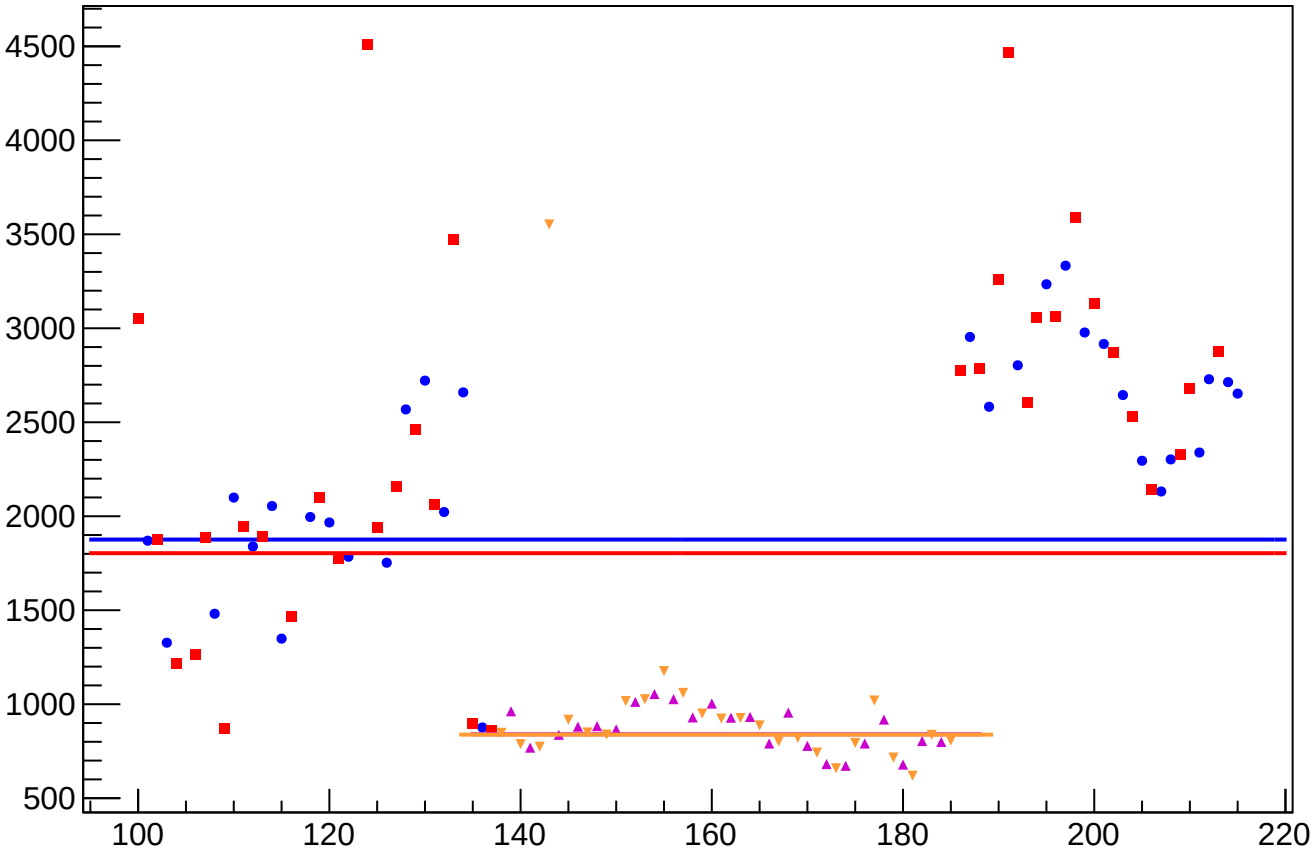
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 227.456+/-325.171 χ^2/NDF: 77.5/64

In: -2.559+/-182.266 χ^2/NDF:68.1/53

Out: 384.326+/-180.029 χ^2/NDF:100.5/58

All: 193.272+/-128.083 χ^2/NDF: 170.9/112



Right In: 1875.896+/-0.325 χ^2/NDF: 5135558.8/30

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1803.480+/-0.325 χ^2/NDF: 6316914.7/33

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

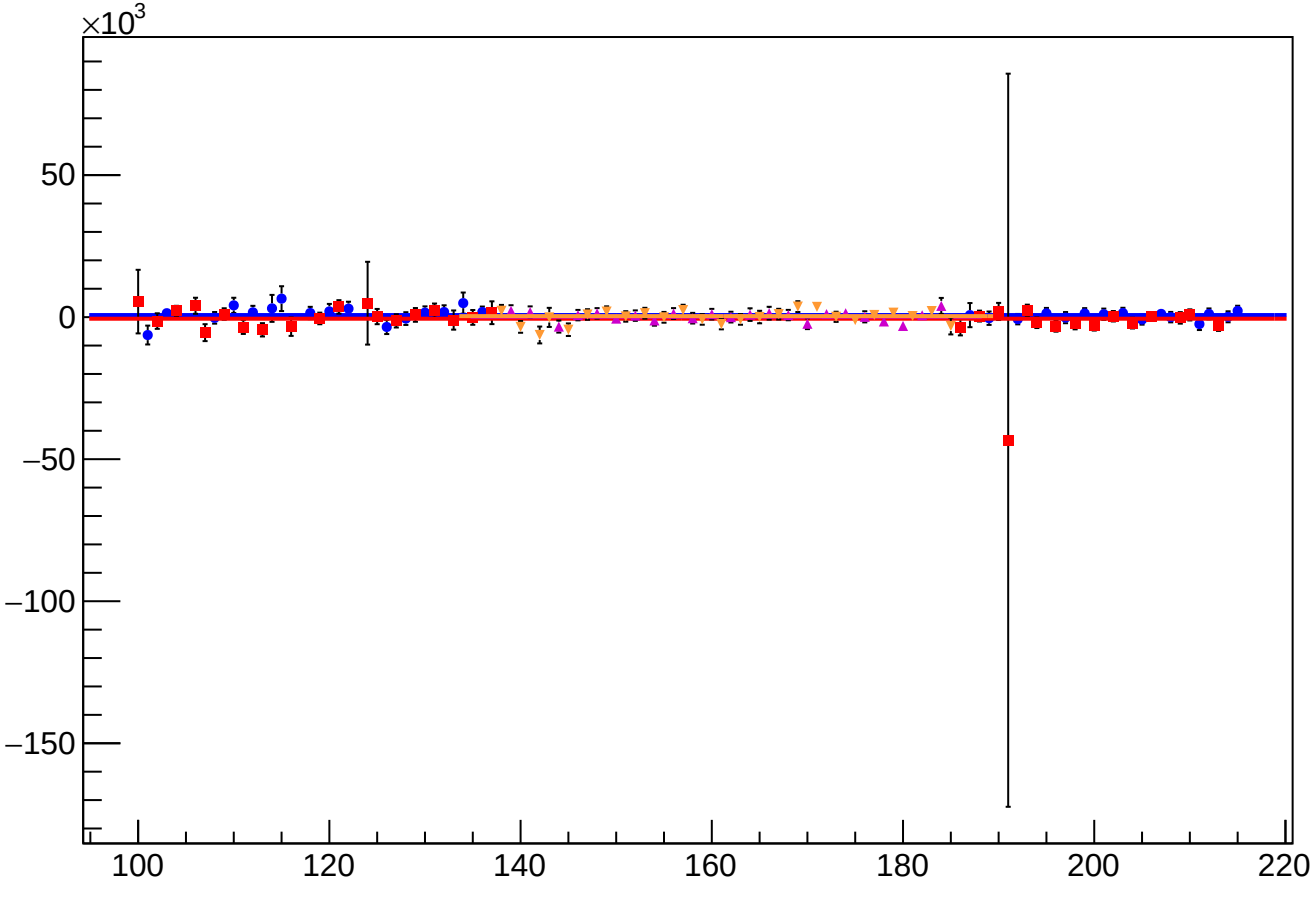
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1839.629+/-0.230 χ^2/NDF: 11477271.5/64

In: 1002.447+/-0.129 χ^2/NDF:14348232.5/53

Out: 986.426+/-0.127 χ^2/NDF:15587796.7/58

All: 994.338+/-0.091 χ^2/NDF: 29943850.7/11



Right In: 739.214+/-388.008 χ^2/NDF: 20.4/30

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -555.608+/-396.263 χ^2/NDF: 31.0/33

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

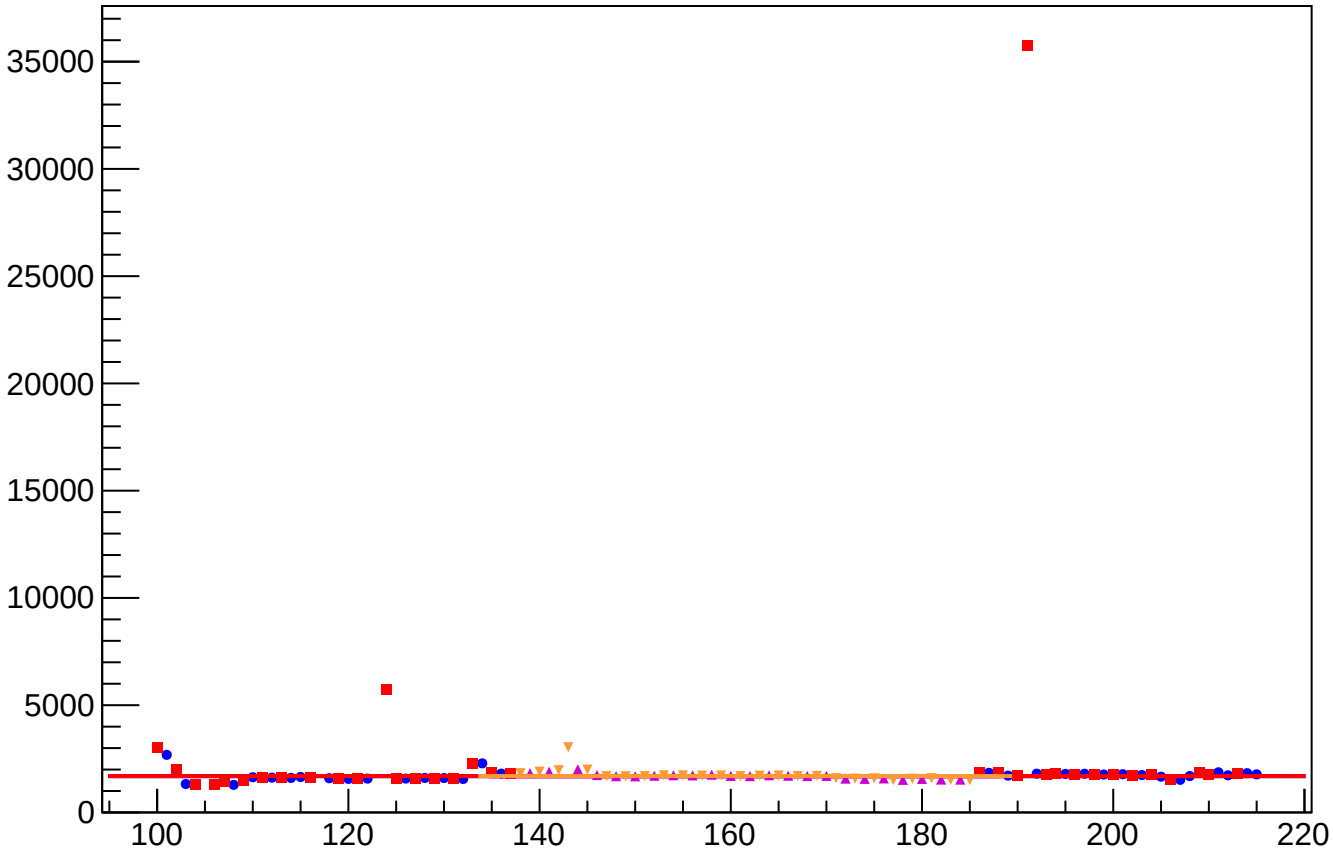
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 105.431+/-277.235 χ^2/NDF: 56.9/64

In: 452.726+/-276.546 χ^2/NDF:37.6/53

Out: -87.517+/-277.280 χ^2/NDF:63.3/58

All: 183.321+/-195.807 χ^2/NDF: 102.8/112



Right In: 1691.481+/-0.274 χ^2/NDF: 523493.1/30

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1694.429+/-0.280 χ^2/NDF: 720701.9/33

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

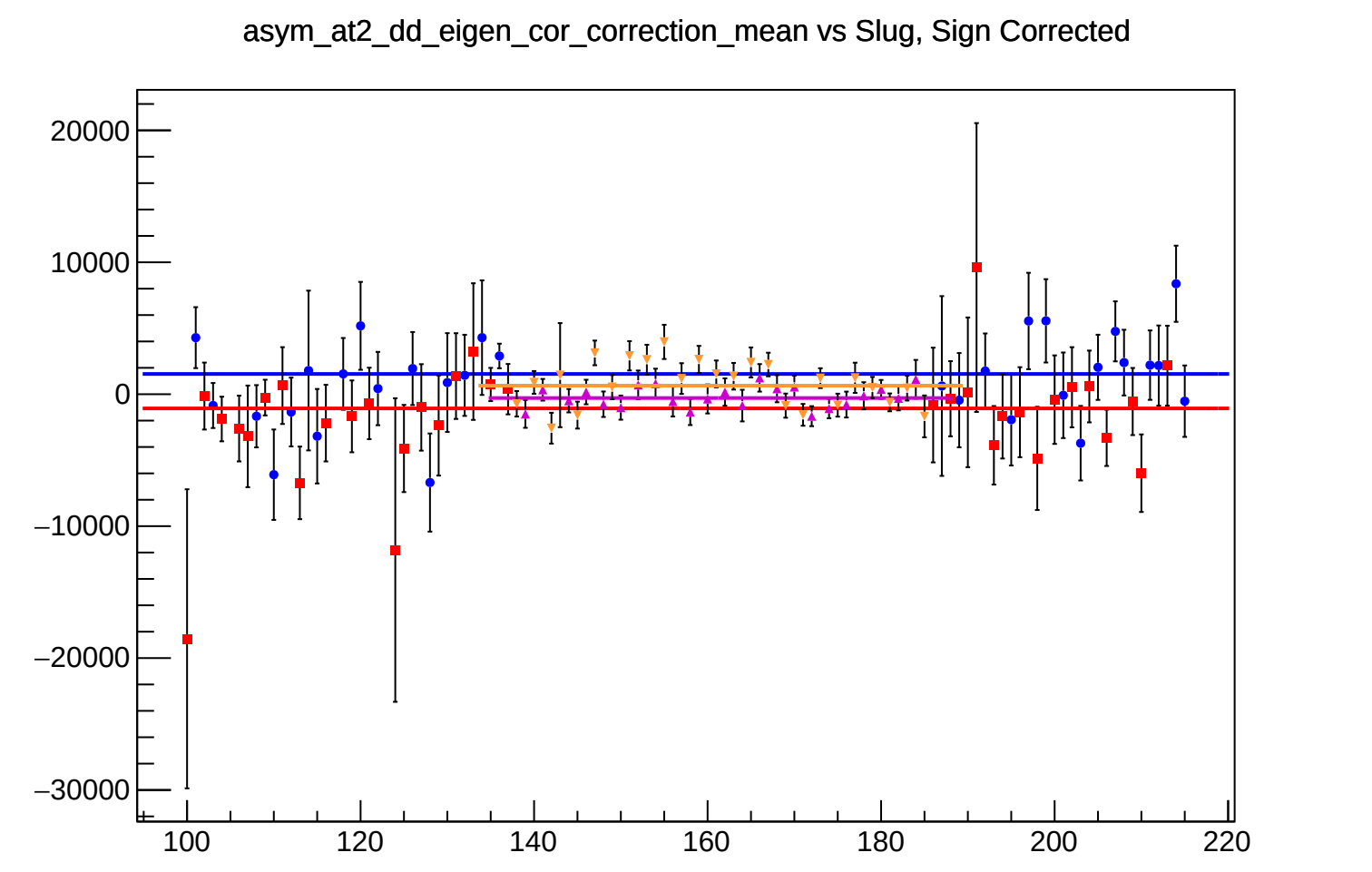
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1692.924+/-0.196 χ^2/NDF: 1244251.5/64

In: 1688.084+/-0.196 χ^2/NDF:689160.4/53

Out: 1695.994+/-0.196 χ^2/NDF:1216160.9/58

All: 1692.029+/-0.138 χ^2/NDF: 1906137.1/11



Right In: 1535.236+/-460.238 χ^2/NDF: 38.4/30

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1076.055+/-459.487 χ^2/NDF: 23.0/33

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

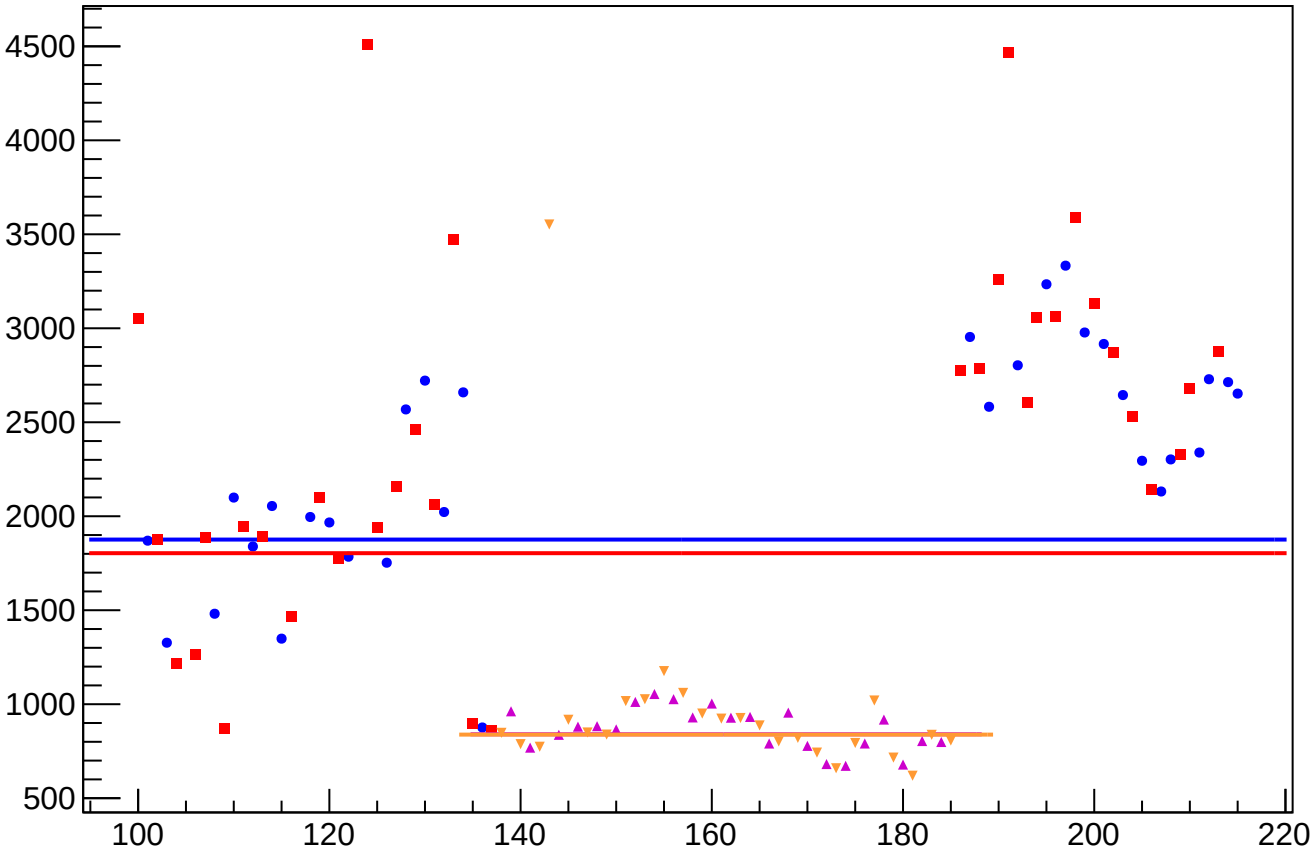
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 227.456+/-325.171 χ^2/NDF: 77.5/64

In: -2.559+/-182.266 χ^2/NDF:68.1/53

Out: 384.326+/-180.029 χ^2/NDF:100.5/58

All: 193.272+/-128.083 χ^2/NDF: 170.9/112



Right In: 1875.896+/-0.325 χ^2/NDF: 5135558.8/30

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1803.480+/-0.325 χ^2/NDF: 6316914.7/33

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

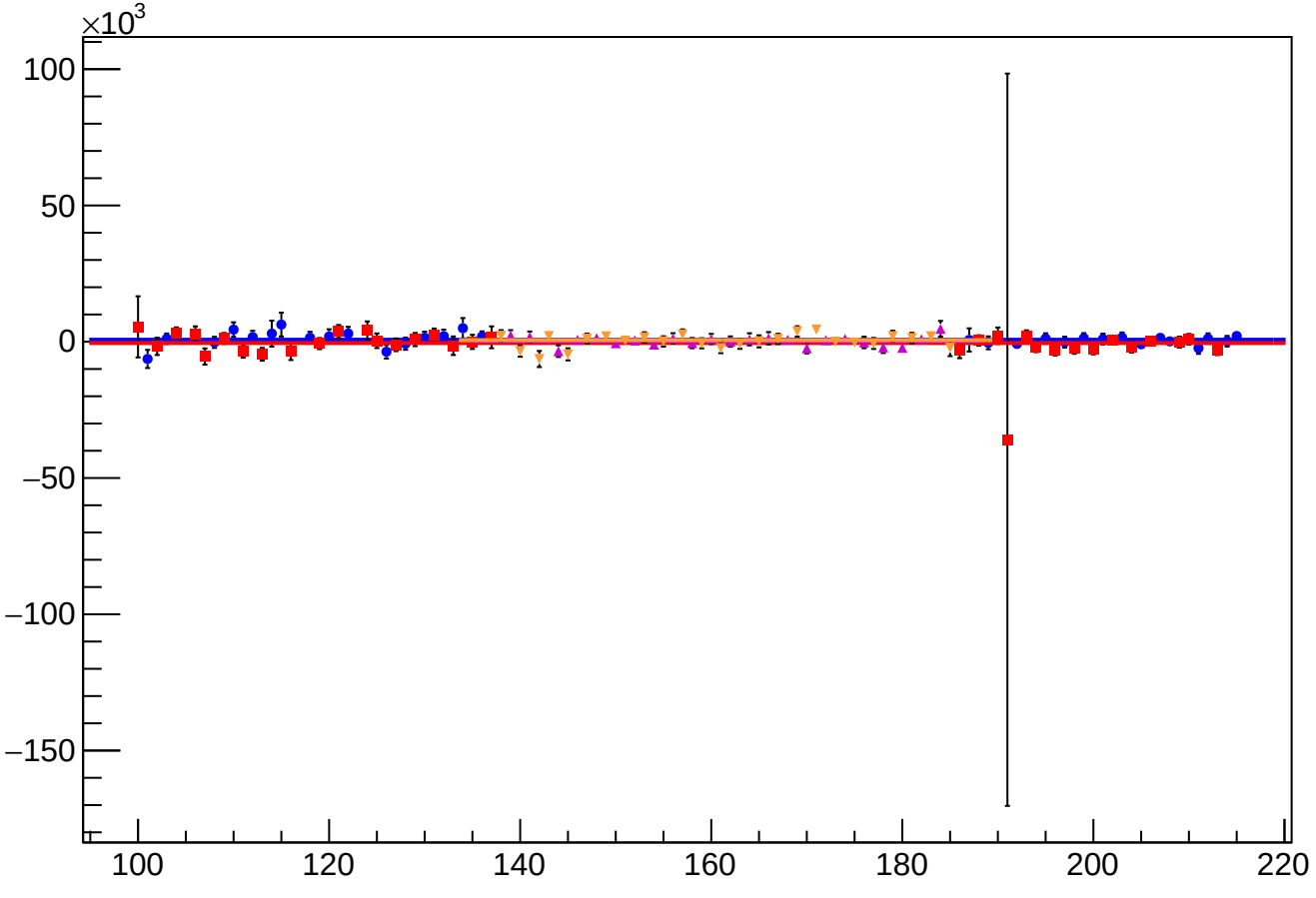
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1839.629+/-0.230 χ^2/NDF: 11477271.5/64

In: 1002.447+/-0.129 χ^2/NDF:14348232.5/53

Out: 986.426+/-0.127 χ^2/NDF:15587796.7/58

All: 994.338+/-0.091 χ^2/NDF: 29943850.7/11



Right In: 733.185+/-390.497 χ^2/NDF: 20.8/30

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -469.065+/-396.764 χ^2/NDF: 33.4/33

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

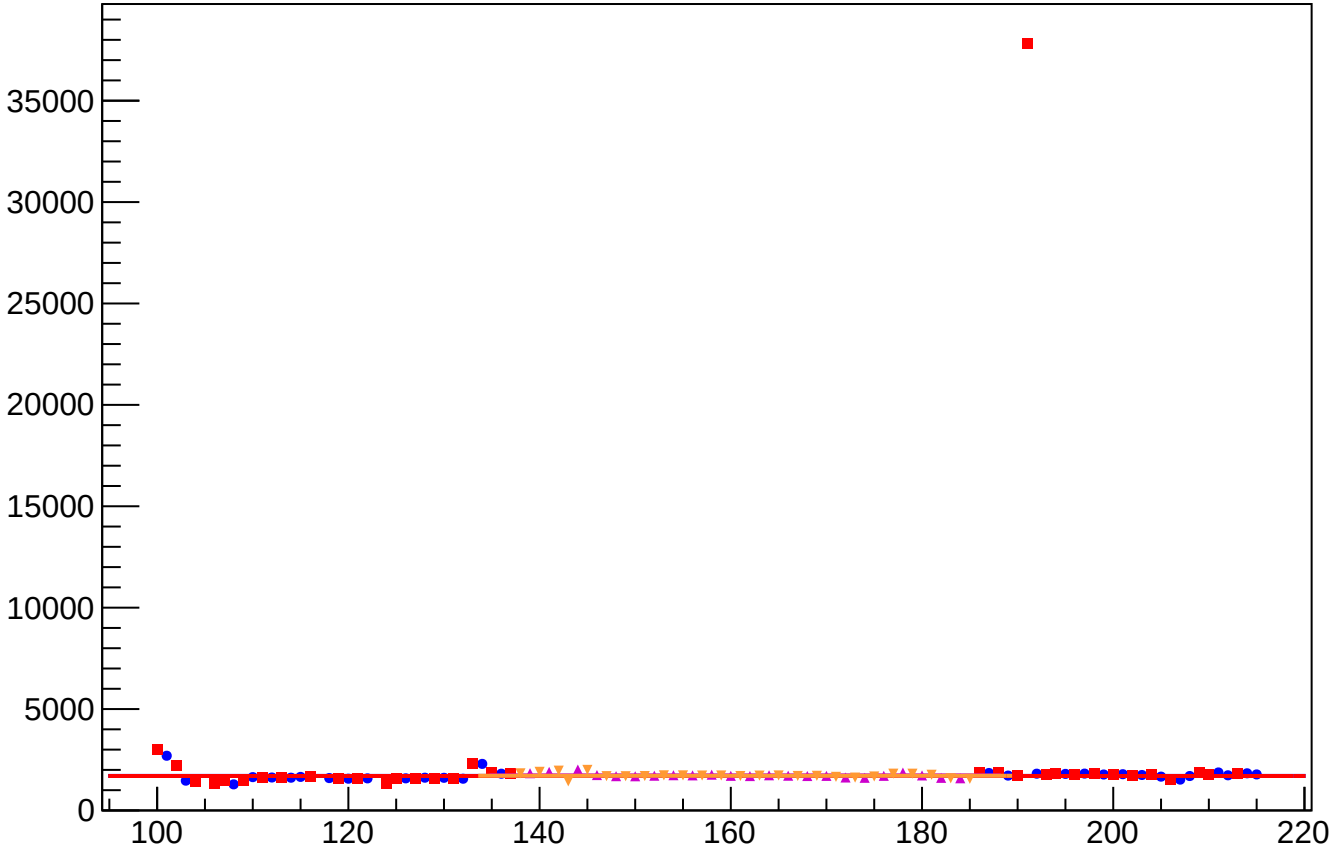
Right: 141.630+/-278.313 χ^2/NDF: 58.9/64

In: 468.874+/-280.807 χ^2/NDF:36.2/53

Out: 64.950+/-278.049 χ^2/NDF:68.9/58

All: 264.918+/-197.578 χ^2/NDF: 106.2/112

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1703.661+/-0.276 χ^2/NDF: 464878.2/30

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1699.416+/-0.281 χ^2/NDF: 580243.1/33

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

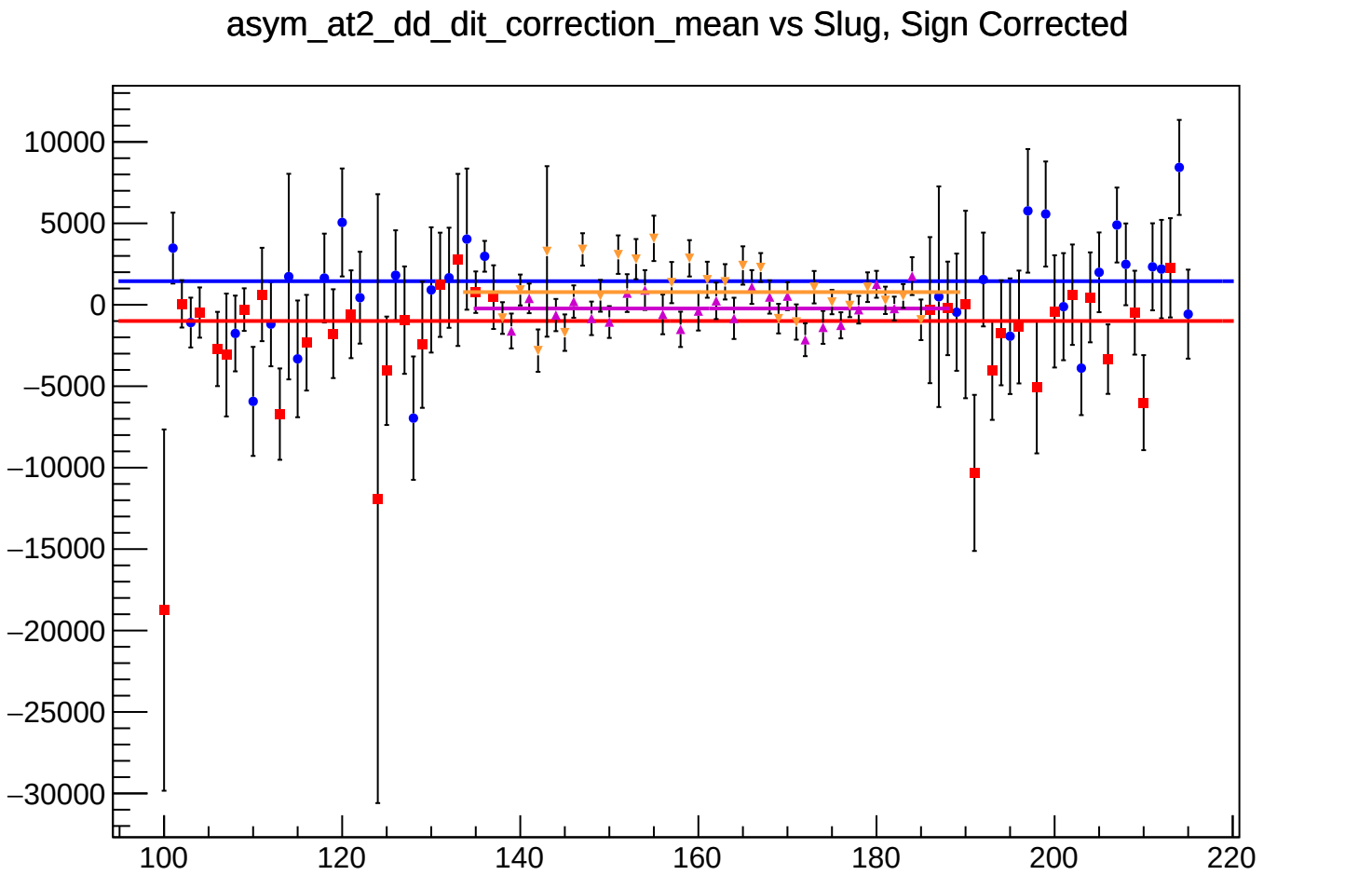
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1701.572+/-0.197 χ^2/NDF: 1045237.5/64

In: 1715.372+/-0.199 χ^2/NDF:568829.9/53

Out: 1705.673+/-0.197 χ^2/NDF:749226.9/58

All: 1710.475+/-0.140 χ^2/NDF: 1319261.5/11



Right In: 1448.423+/-458.678 χ^2/NDF: 39.2/30

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -994.981+/-440.237 χ^2/NDF: 25.9/33

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

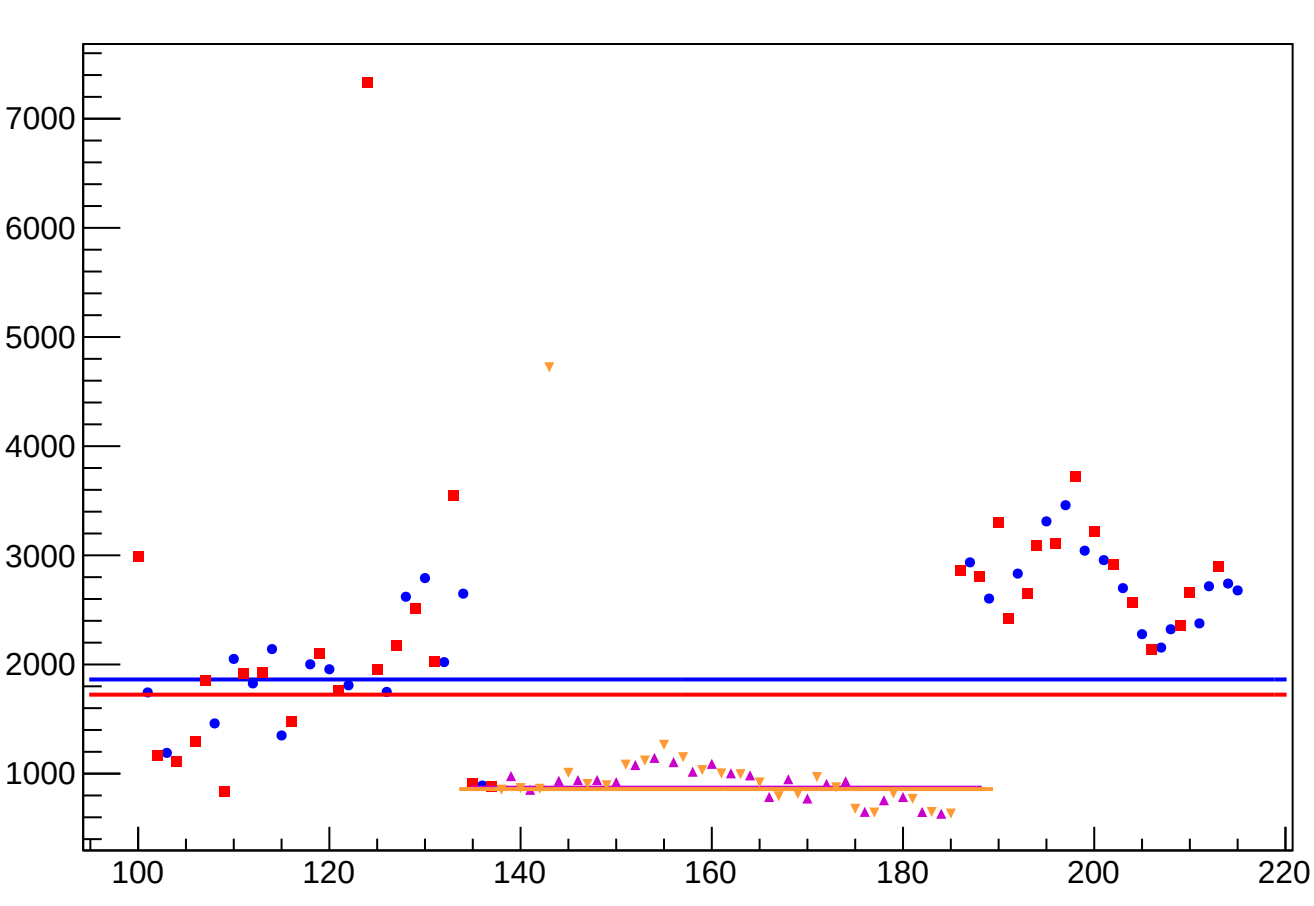
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 176.615+/-317.614 χ^2/NDF: 79.8/64

In: 54.256+/-188.451 χ^2/NDF:72.9/53

Out: 471.352+/-183.326 χ^2/NDF:93.8/58

All: 268.553+/-131.406 χ^2/NDF: 169.2/112



Right In: 1862.732+/-0.324 χ^2/NDF: 5347217.4/30

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1723.578+/-0.311 χ^2/NDF: 6970380.9/33

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

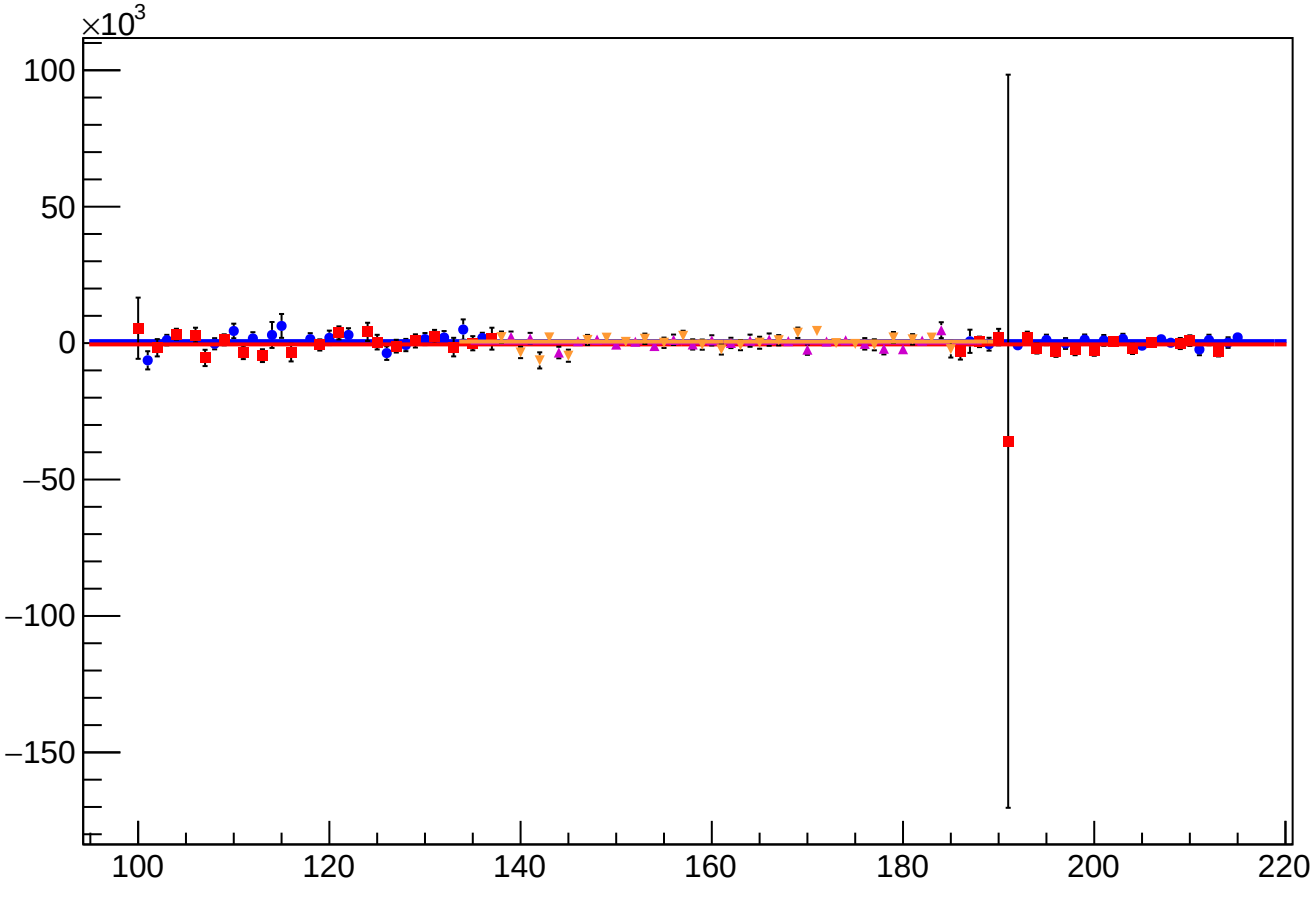
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1790.301+/-0.225 χ^2/NDF: 12413413.1/64

In: 1038.846+/-0.133 χ^2/NDF:14089840.0/53

Out: 1008.590+/-0.130 χ^2/NDF:15632271.9/58

All: 1023.301+/-0.093 χ^2/NDF: 29748598.5/



Right In: 733.181+/-390.497 χ^2/NDF: 20.8/30

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -469.062+/-396.764 χ^2/NDF: 33.4/33

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

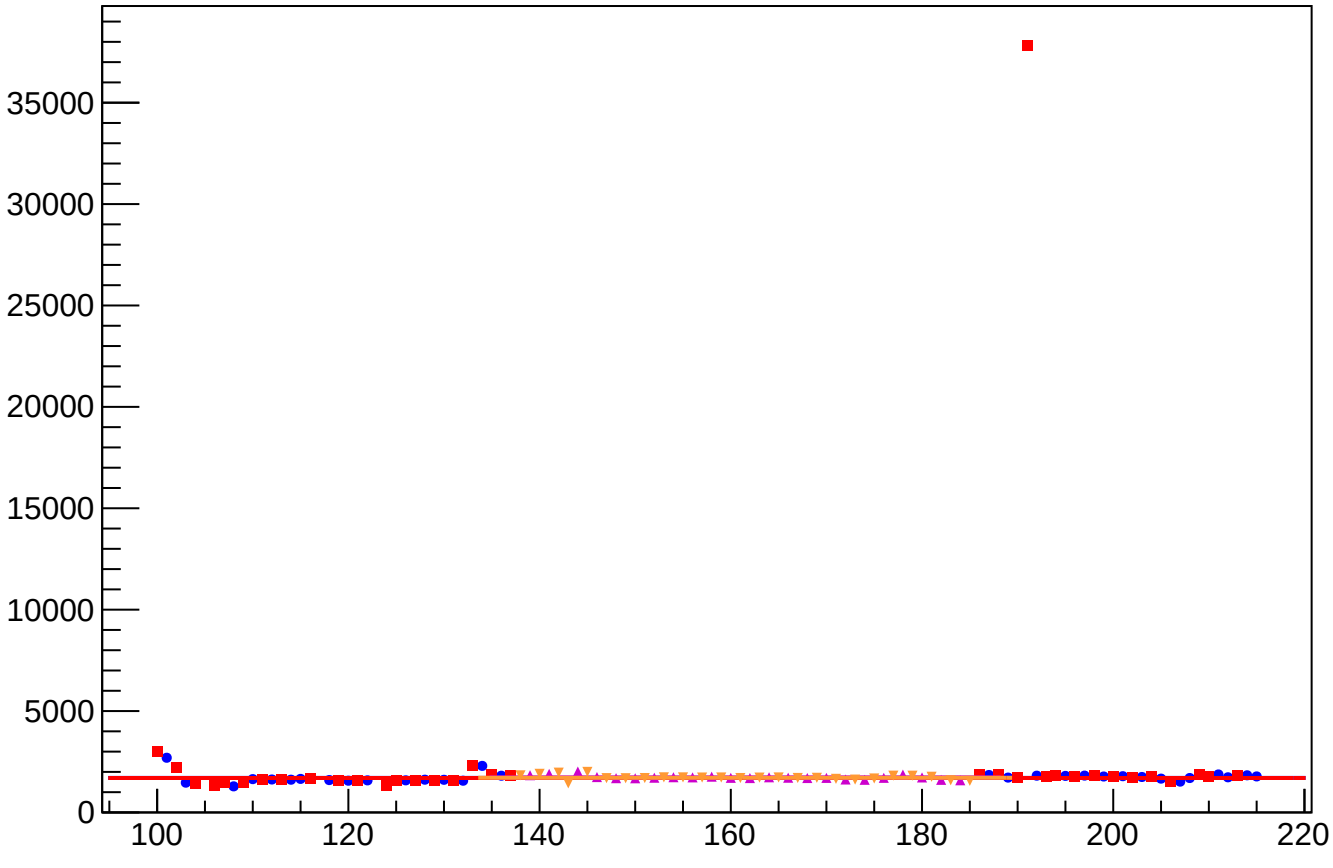
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 141.629+/-278.313 χ^2/NDF: 58.9/64

In: 468.871+/-280.807 χ^2/NDF:36.2/53

Out: 64.949+/-278.048 χ^2/NDF:68.9/58

All: 264.916+/-197.578 χ^2/NDF: 106.2/112



Right In: 1703.661+/-0.276 χ^2/NDF: 464878.0/30

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1699.416+/-0.281 χ^2/NDF: 580243.2/33

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

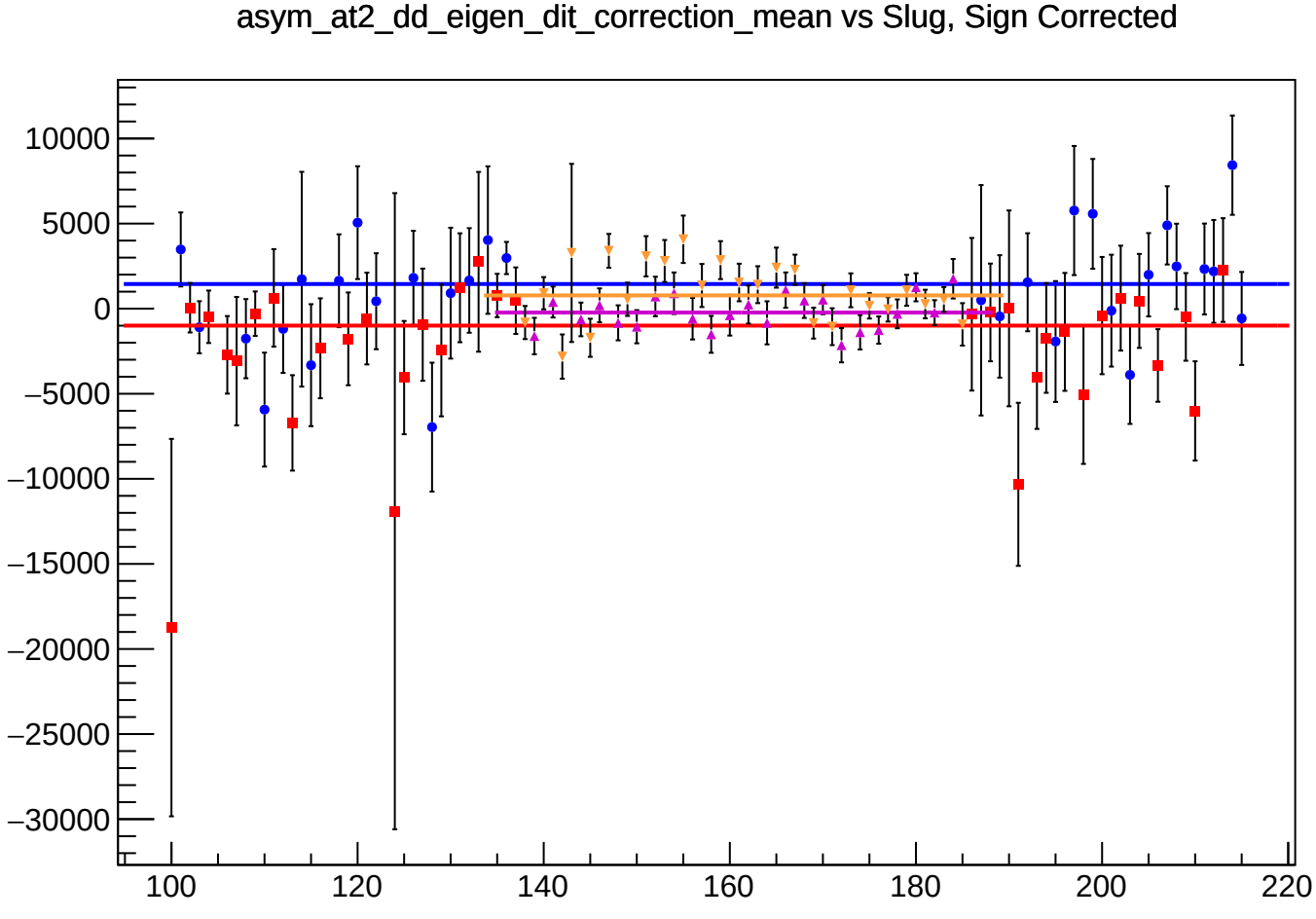
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1701.572+/-0.197 χ^2/NDF: 1045237.6/64

In: 1715.372+/-0.199 χ^2/NDF:568829.6/53

Out: 1705.673+/-0.197 χ^2/NDF:749225.8/58

All: 1710.474+/-0.140 χ^2/NDF: 1319260.1/11



Right In: 1448.421+/-458.680 χ^2/NDF: 39.2/30

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -994.994+/-440.239 χ^2/NDF: 25.9/33

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

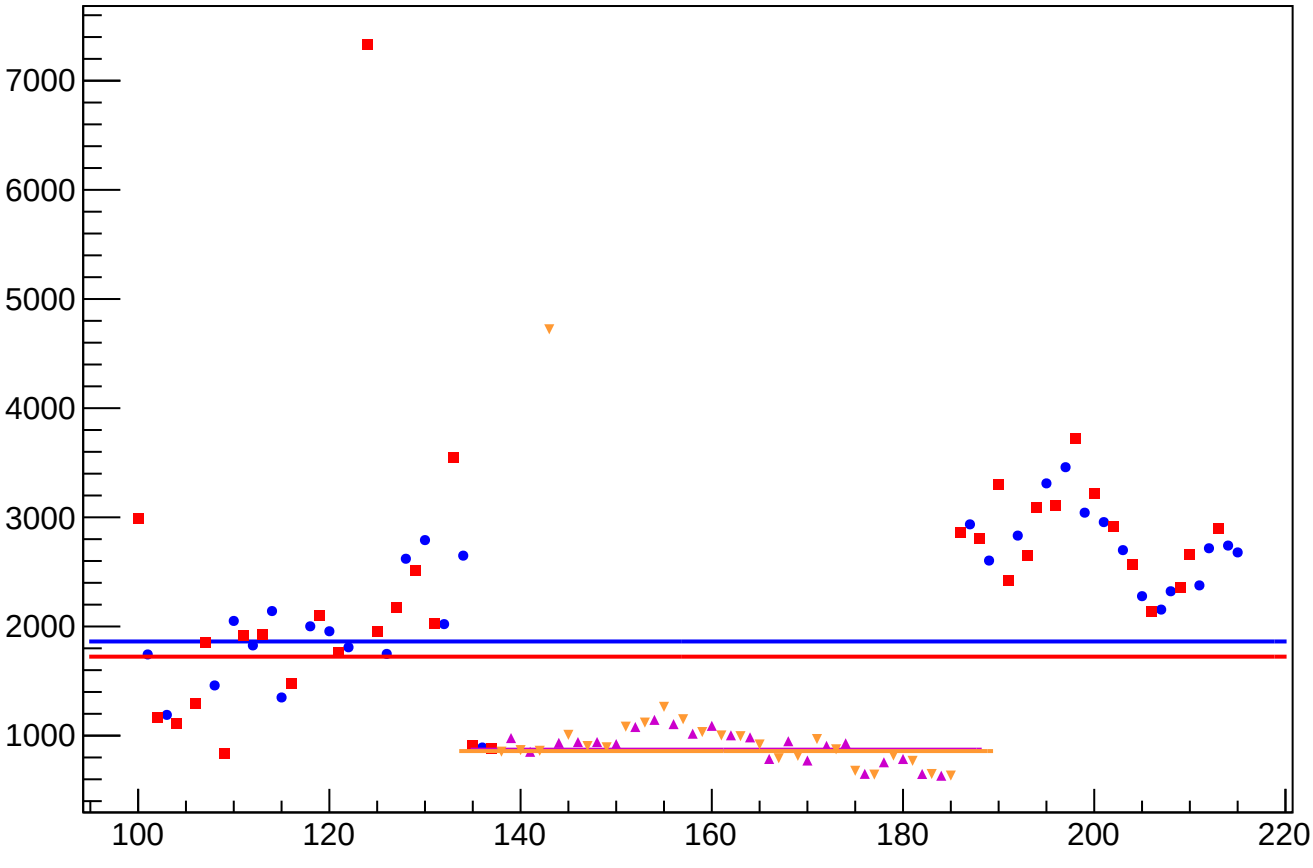
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 176.608+/-317.615 χ^2/NDF: 79.8/64

In: 54.255+/-188.451 χ^2/NDF:72.9/53

Out: 471.354+/-183.326 χ^2/NDF:93.8/58

All: 268.554+/-131.406 χ^2/NDF: 169.2/112



Right In: 1862.745+/-0.324 χ^2/NDF: 5347021.4/30

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1723.591+/-0.311 χ^2/NDF: 6970216.6/33

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

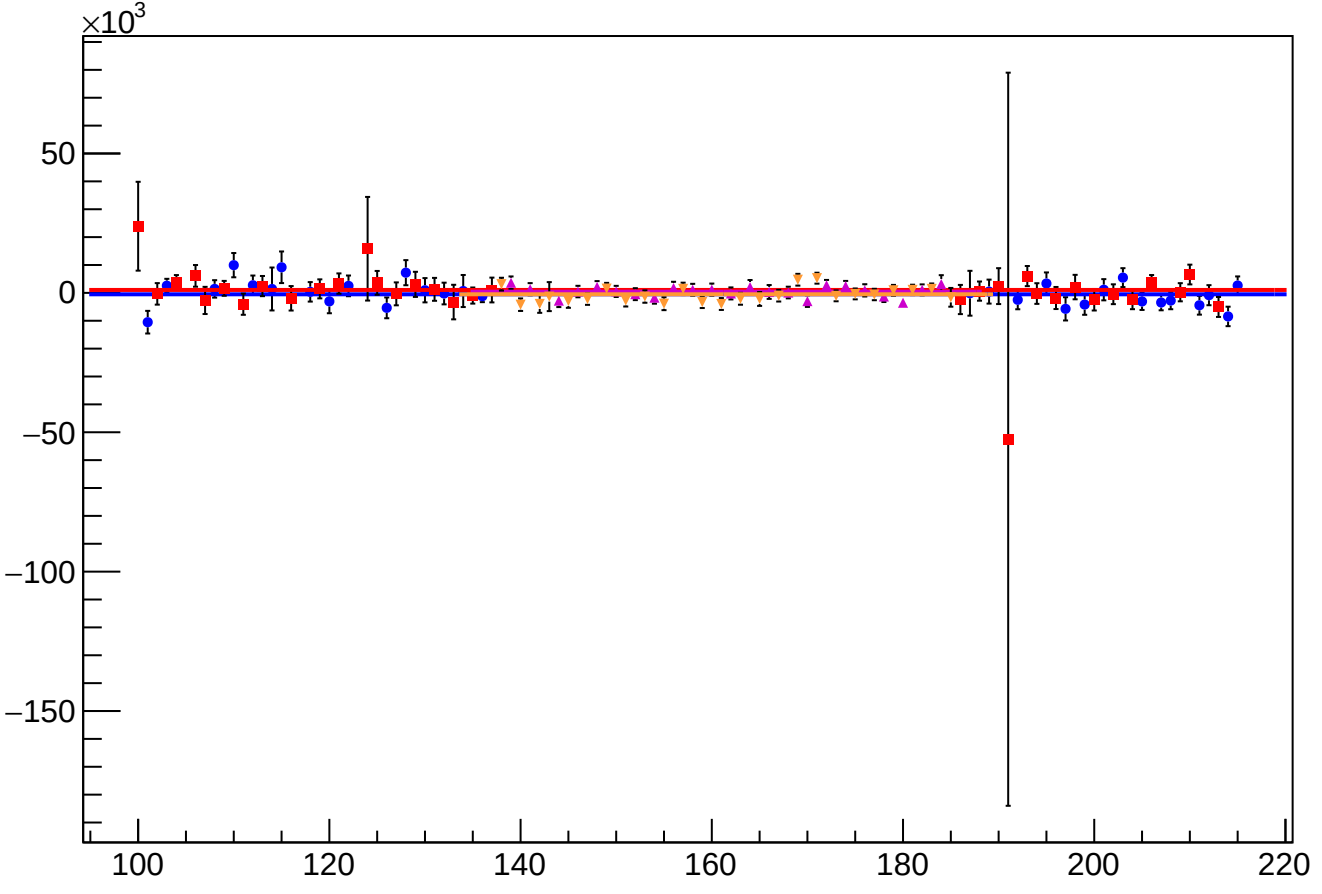
Right: 1790.314+/-0.225 χ^2/NDF: 12413051.4/64

In: 1038.846+/-0.133 χ^2/NDF:14089818.8/53

Out: 1008.591+/-0.130 χ^2/NDF:15632240.3/58

All: 1023.301+/-0.093 χ^2/NDF: 29748543.3/1

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -513.023+/-645.895 χ^2/NDF: 40.7/30

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1048.411+/-658.510 χ^2/NDF: 22.9/33

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

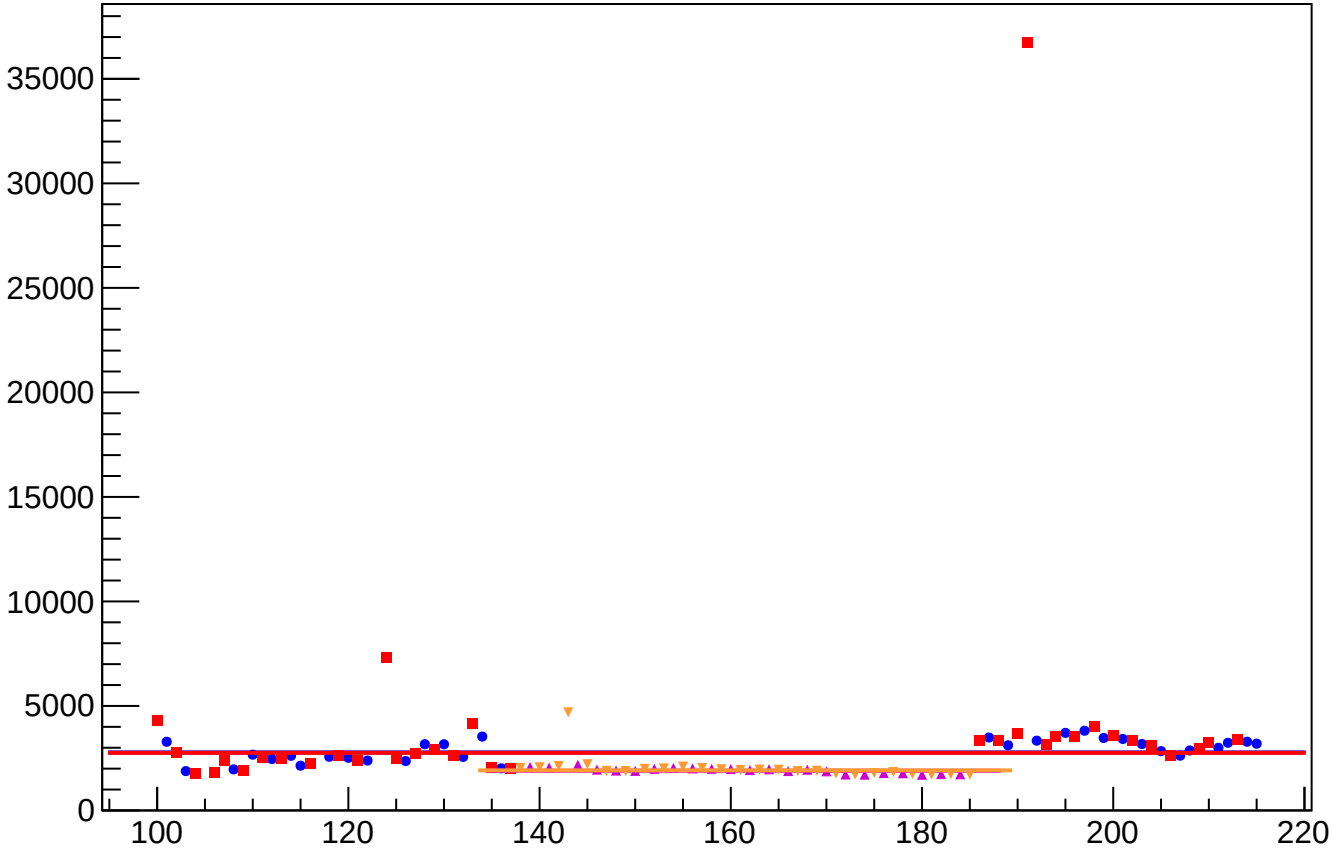
Right: 252.595+/-461.112 χ^2/NDF: 66.4/64

In: 114.178+/-366.209 χ^2/NDF:60.9/53

Out: -23.248+/-365.799 χ^2/NDF:62.6/58

All: 45.388+/-258.804 χ^2/NDF: 123.6/112

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2777.097+/-0.457 χ^2/NDF: 1458152.1/30

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2756.543+/-0.466 χ^2/NDF: 2067180.3/33

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

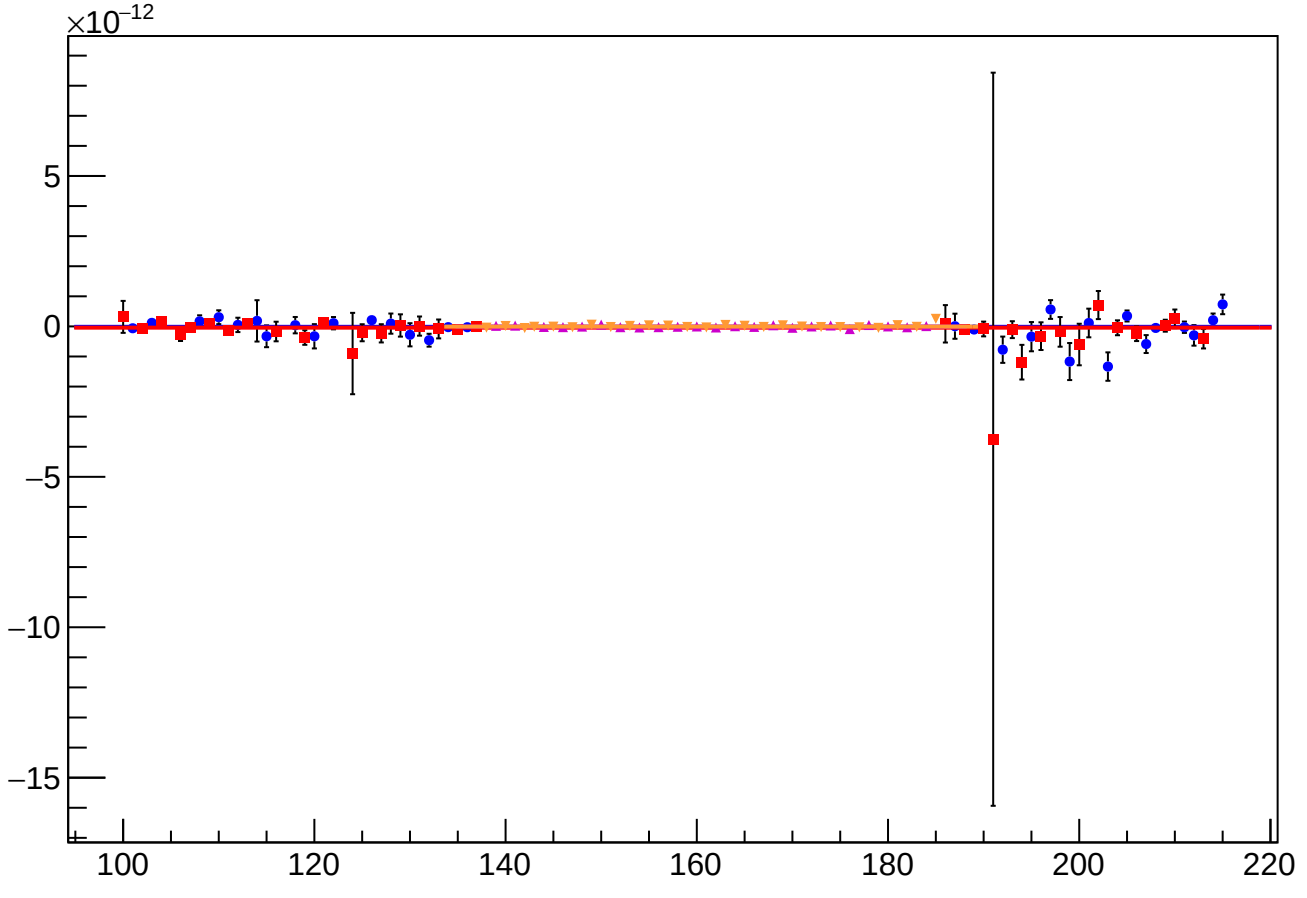
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2767.019+/-0.326 χ^2/NDF: 3526325.5/64

In: 2181.445+/-0.259 χ^2/NDF:4138334.2/53

Out: 2176.173+/-0.259 χ^2/NDF:5070431.5/58

All: 2178.806+/-0.183 χ^2/NDF: 9208973.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 48.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/33

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

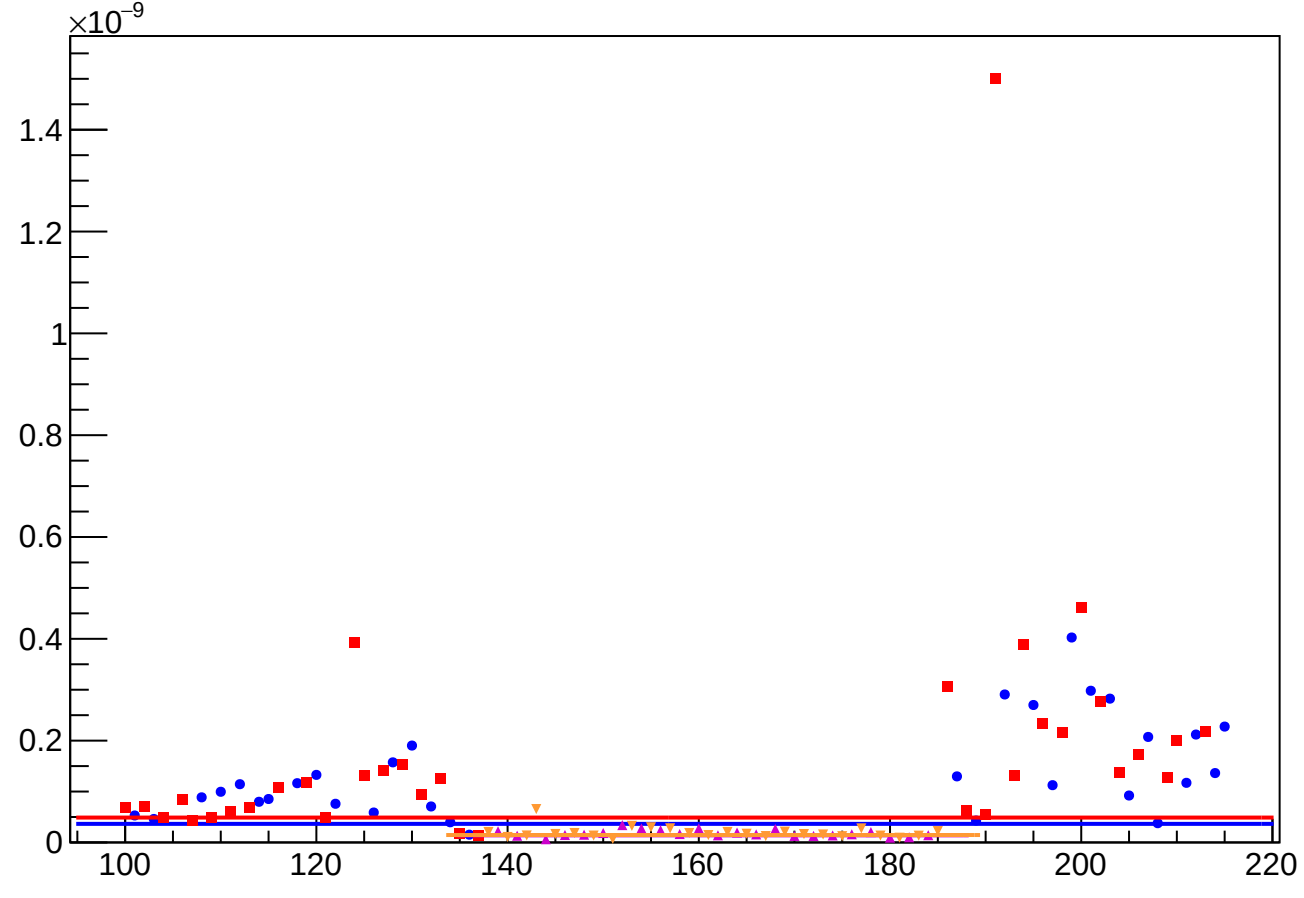
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 75.2/64

In: -0.000+/-0.000 χ^2/NDF:73.2/53

Out: -0.000+/-0.000 χ^2/NDF:56.7/58

All: -0.000+/-0.000 χ^2/NDF: 129.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 9102204.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7940029.7/33

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

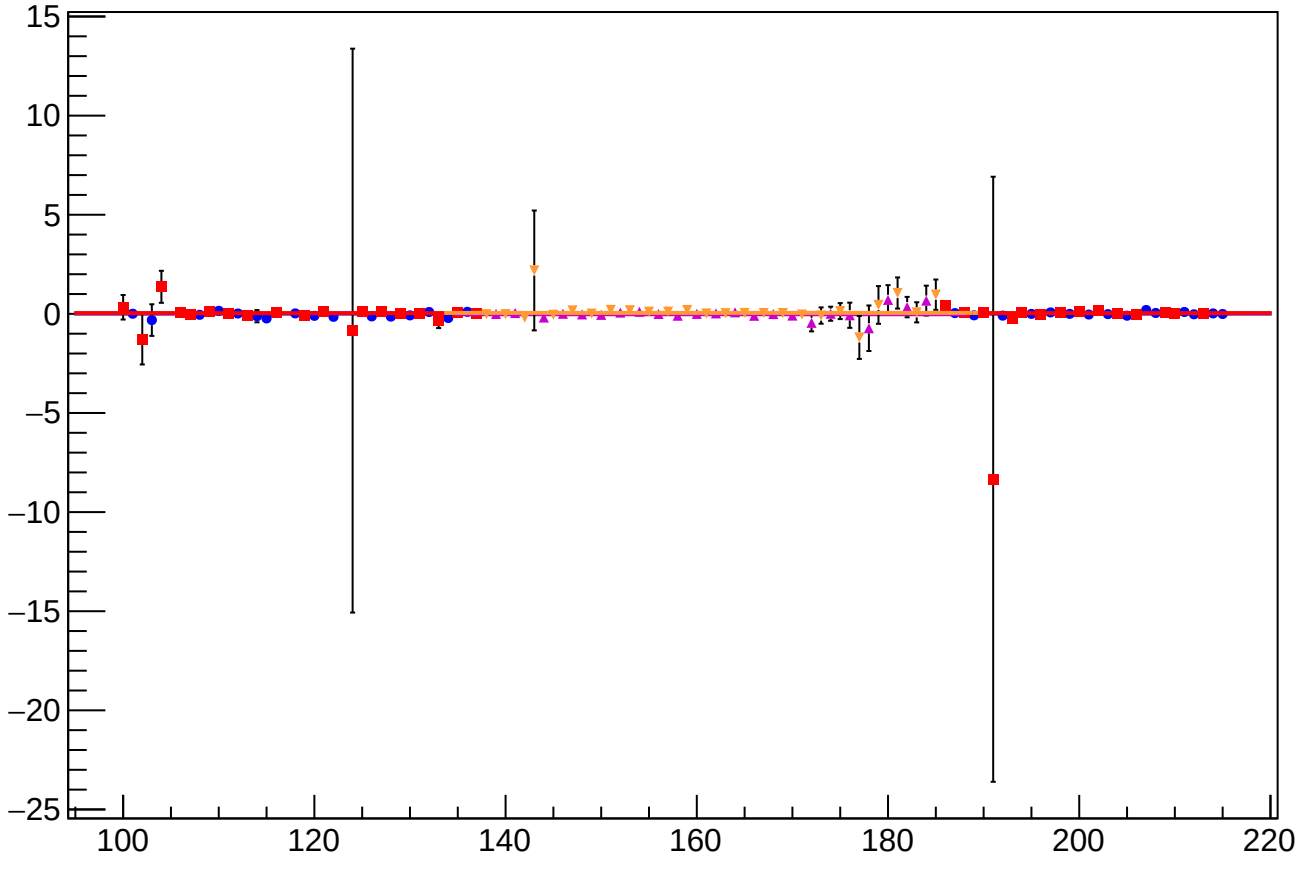
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 17317760.3/64

In: 0.000+/-0.000 χ^2/NDF:13232057.3/53

Out: 0.000+/-0.000 χ^2/NDF:13103461.7/58

All: 0.000+/-0.000 χ^2/NDF: 26347543.1/112



Right In: 0.016+/-0.016 χ^2/NDF: 30.6/30

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.017 χ^2/NDF: 25.7/33

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

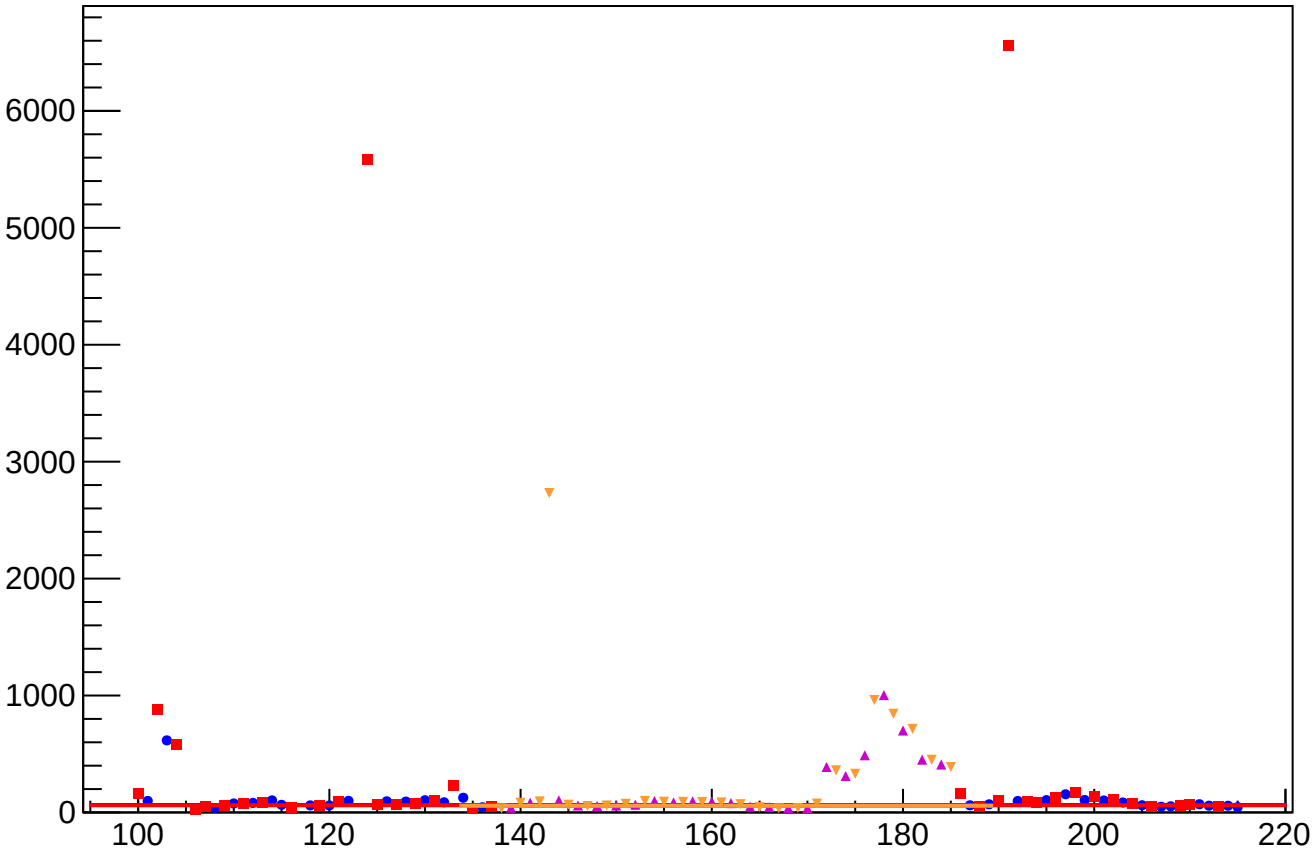
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.026+/-0.012 χ^2/NDF: 57.1/64

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.021+/-0.008 χ^2/NDF: 105.5/112



Right In: 63.672+/-0.012 χ^2/NDF: 4553916.0/30

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.526+/-0.012 χ^2/NDF: 7316154.0/33

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

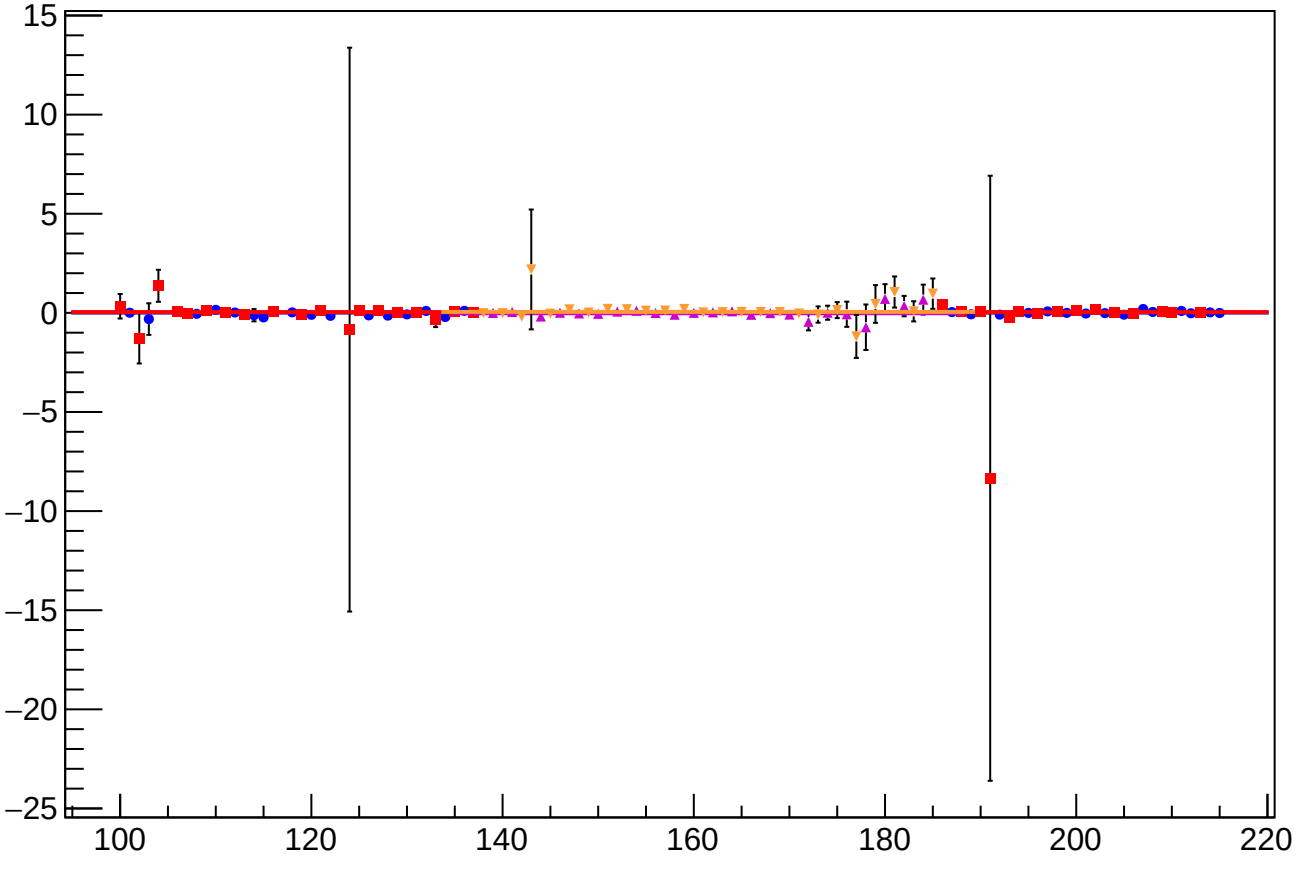
Right: 62.635+/-0.008 χ^2/NDF: 11886847.3/64

In: 61.254+/-0.008 χ^2/NDF:14894384.7/53

Out: 59.416+/-0.008 χ^2/NDF:19701633.9/58

All: 60.348+/-0.006 χ^2/NDF: 34619922.1/112

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.016 χ^2/NDF: 30.6/30

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.017 χ^2/NDF: 25.7/33

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

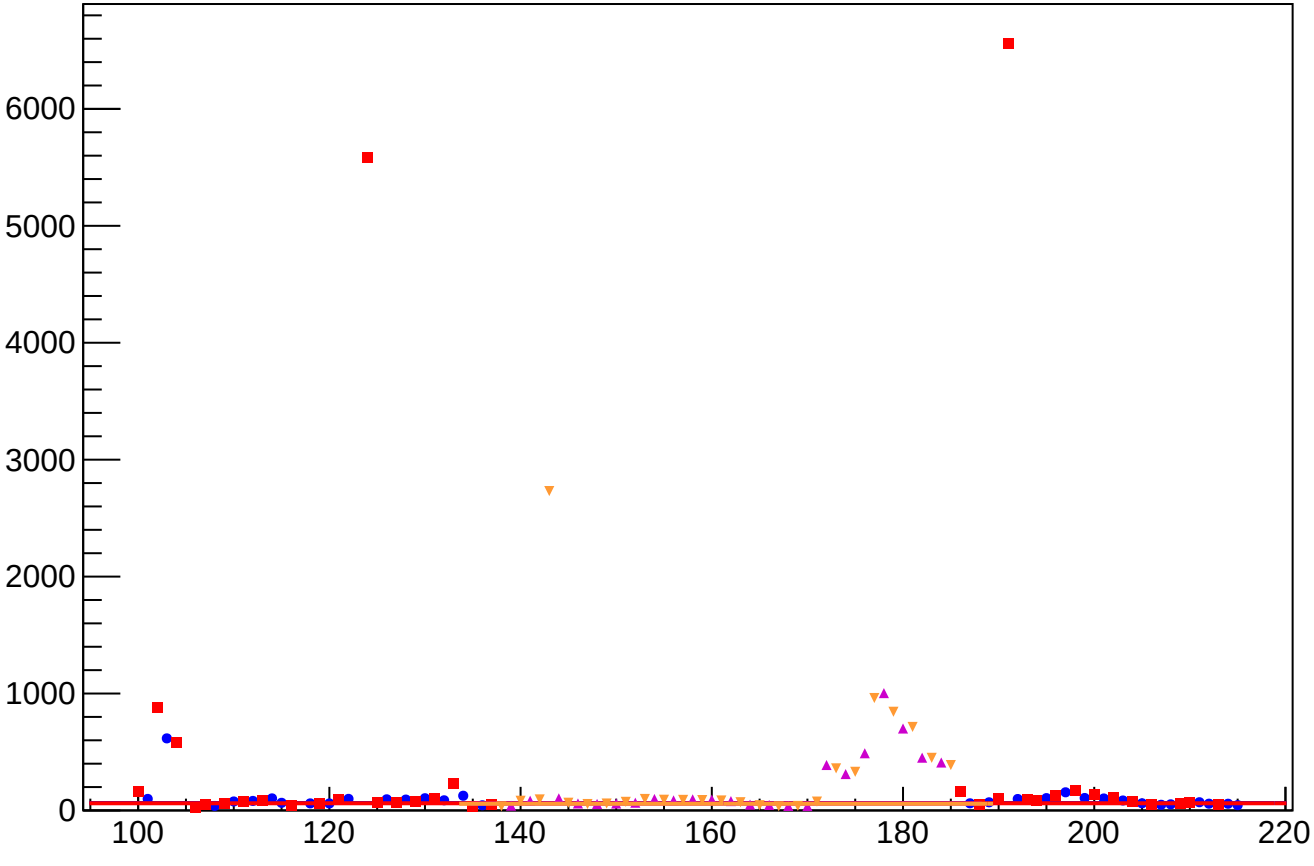
Right: 0.026+/-0.012 χ^2/NDF: 57.1/64

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.021+/-0.008 χ^2/NDF: 105.5/112

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.672+/-0.012 χ^2/NDF: 4553916.0/30

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.526+/-0.012 χ^2/NDF: 7316154.0/33

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

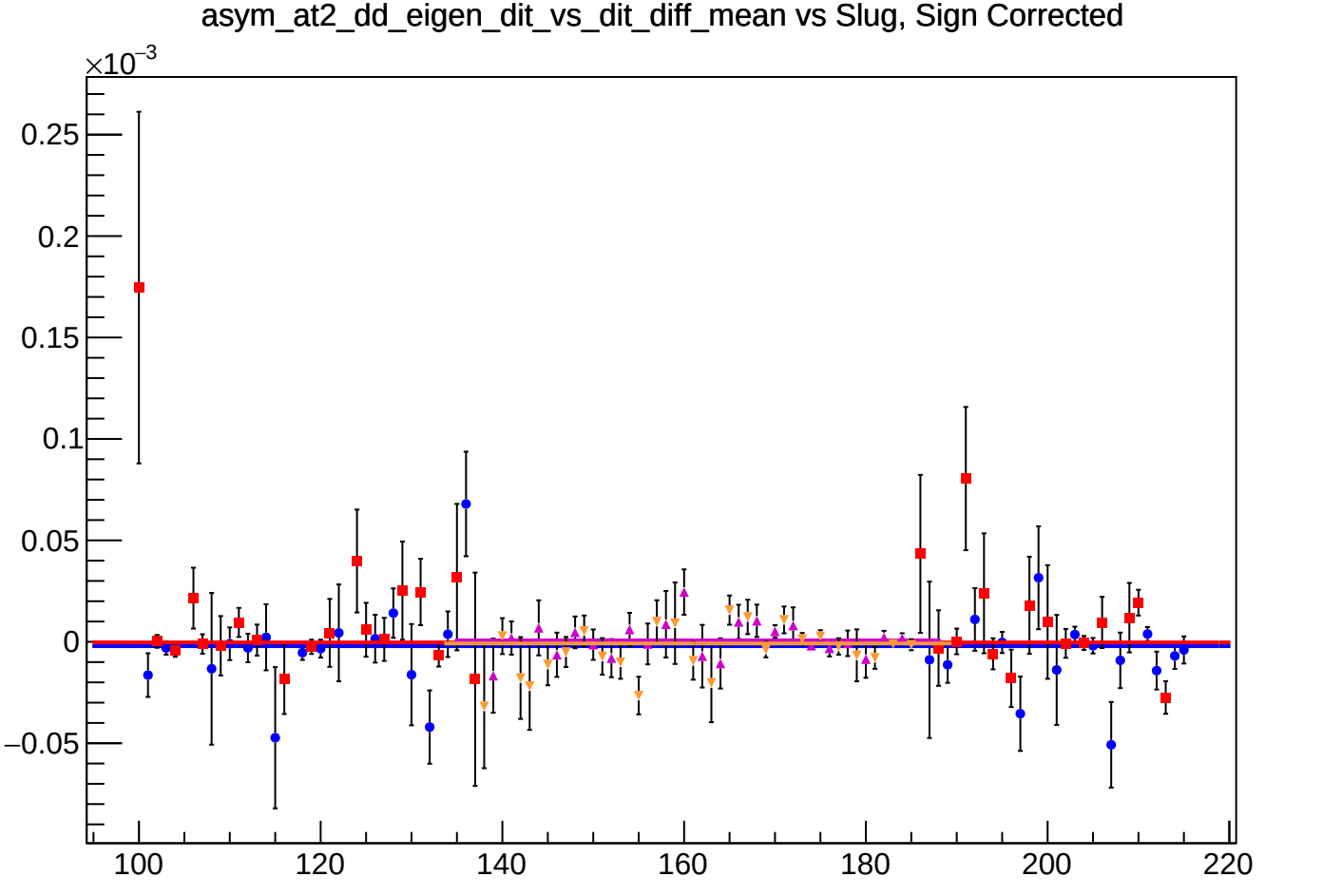
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

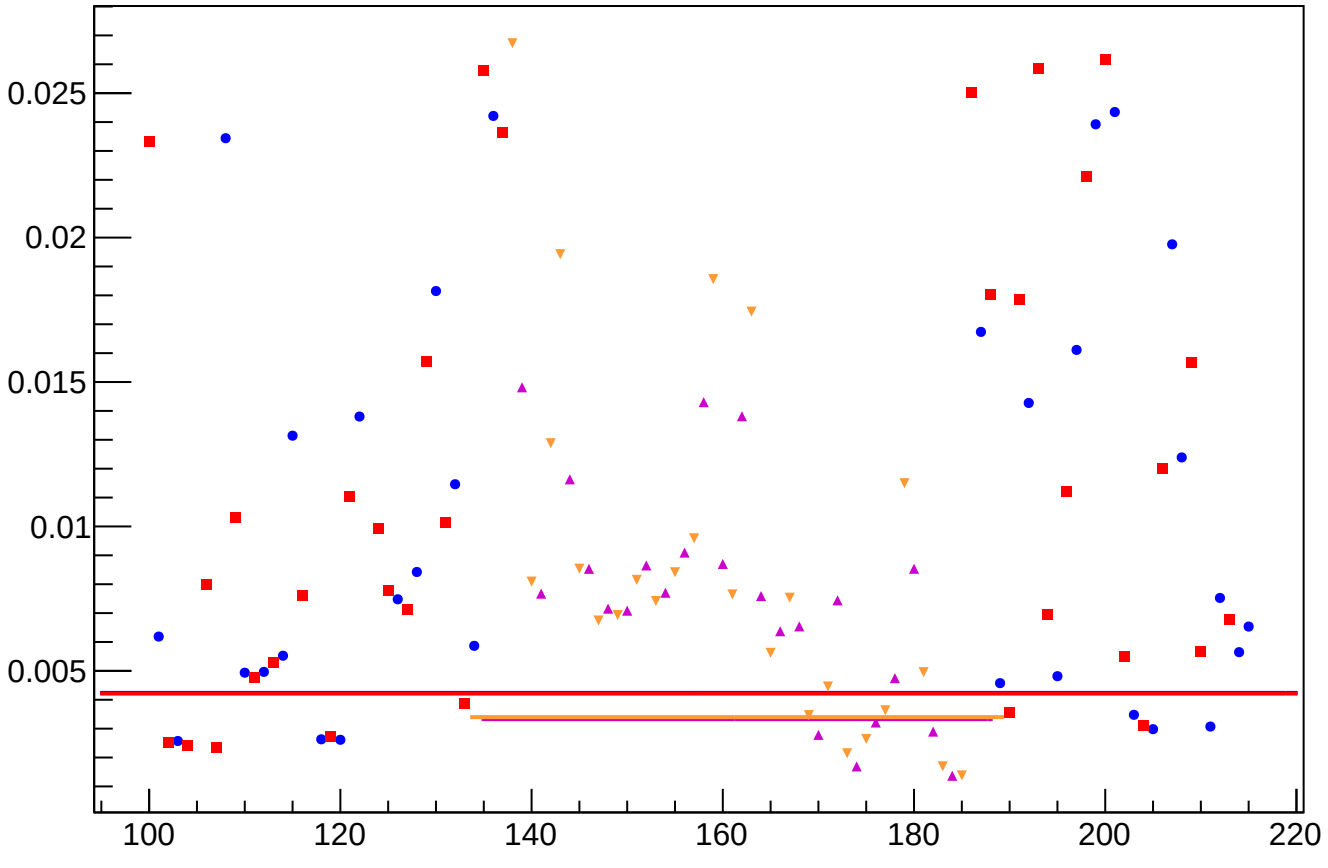
Right: 62.635+/-0.008 χ^2/NDF: 11886847.3/64

In: 61.254+/-0.008 χ^2/NDF:14894384.7/53

Out: 59.416+/-0.008 χ^2/NDF:19701633.9/58

All: 60.348+/-0.006 χ^2/NDF: 34619922.1/112


asym_at2_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
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 39.6/30
Left Out: -0.000+/-0.000 χ²/NDF:32.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 51.3/33
Left In: 0.000+/-0.000 χ²/NDF:18.8/22
Left: -0.000+/-0.000 χ²/NDF: 52.7/47
Right: -0.000+/-0.000 χ²/NDF: 92.0/64
In: -0.000+/-0.000 χ²/NDF:61.5/53
Out: -0.000+/-0.000 χ²/NDF:84.1/58
All: -0.000+/-0.000 χ²/NDF: 145.7/112



Right In: 0.004+/-0.000 χ^2/NDF: 11965910.6/30

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 13351656.8/33

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

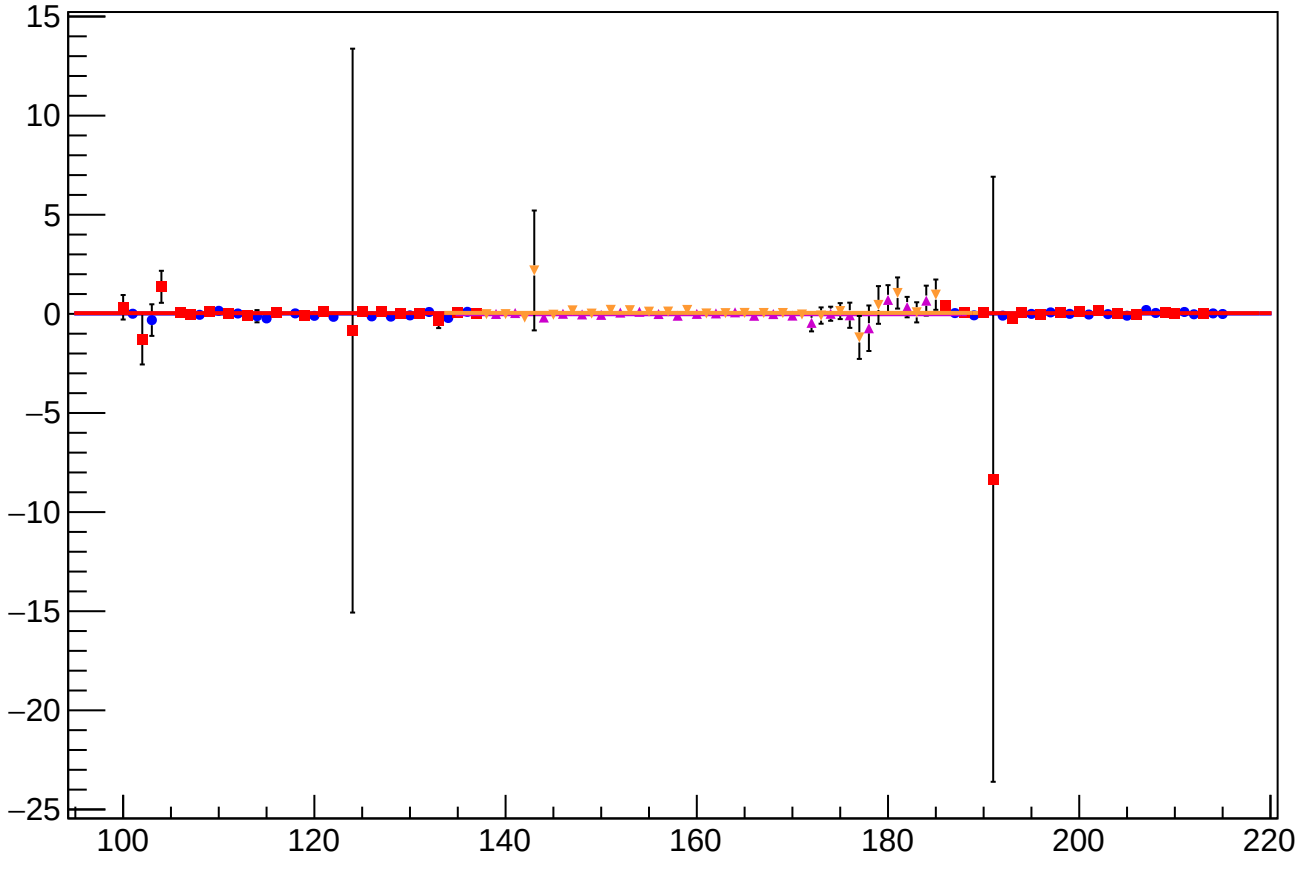
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 25317907.0/64

In: 0.004+/-0.000 χ^2/NDF:25158307.4/53

Out: 0.004+/-0.000 χ^2/NDF:28106123.6/58

All: 0.004+/-0.000 χ^2/NDF: 53264994.0/112



Right In: 0.016+/-0.016 χ^2/NDF: 30.6/30

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.017 χ^2/NDF: 25.7/33

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

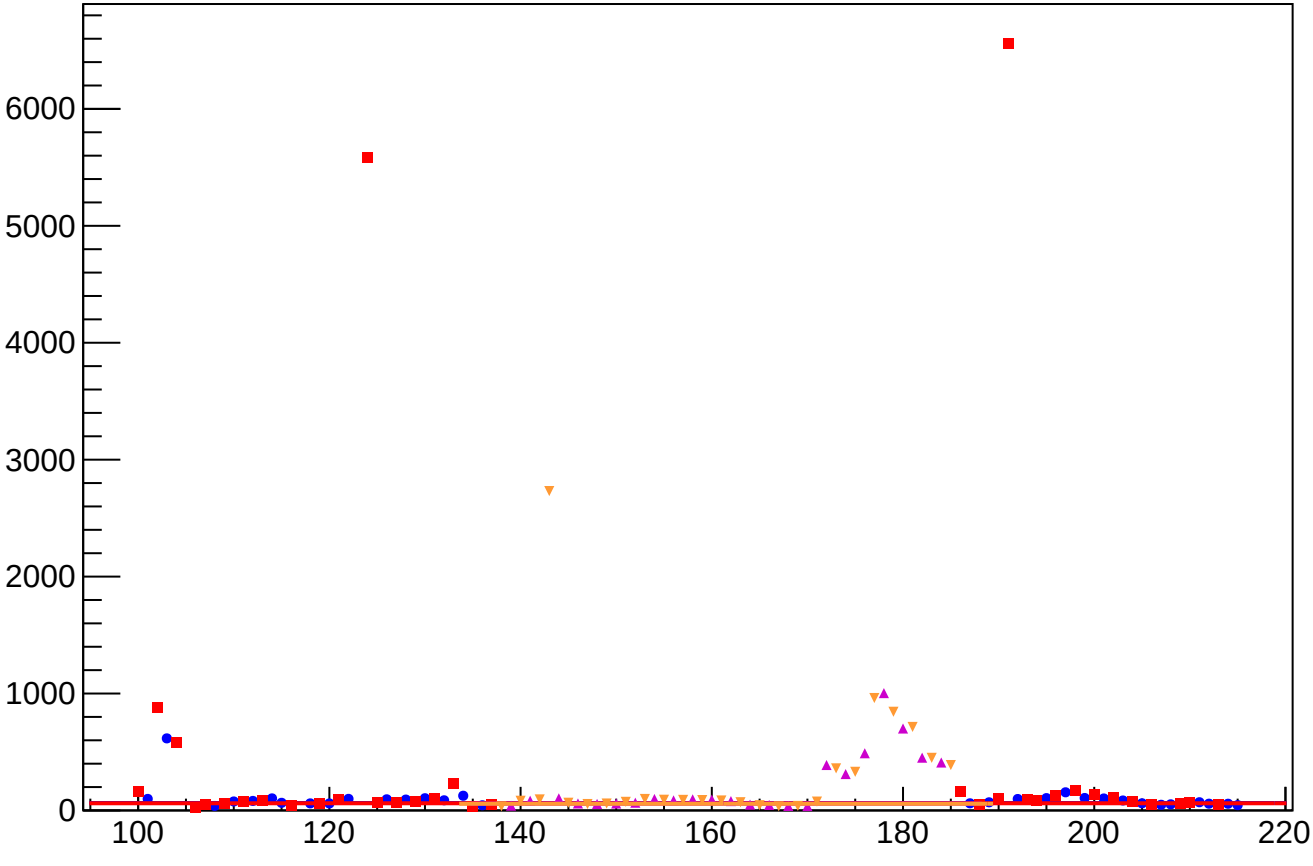
Right: 0.026+/-0.012 χ^2/NDF: 57.1/64

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.021+/-0.008 χ^2/NDF: 105.5/112

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.674+/-0.012 χ^2/NDF: 4553099.4/30

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.523+/-0.012 χ^2/NDF: 7317057.0/33

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

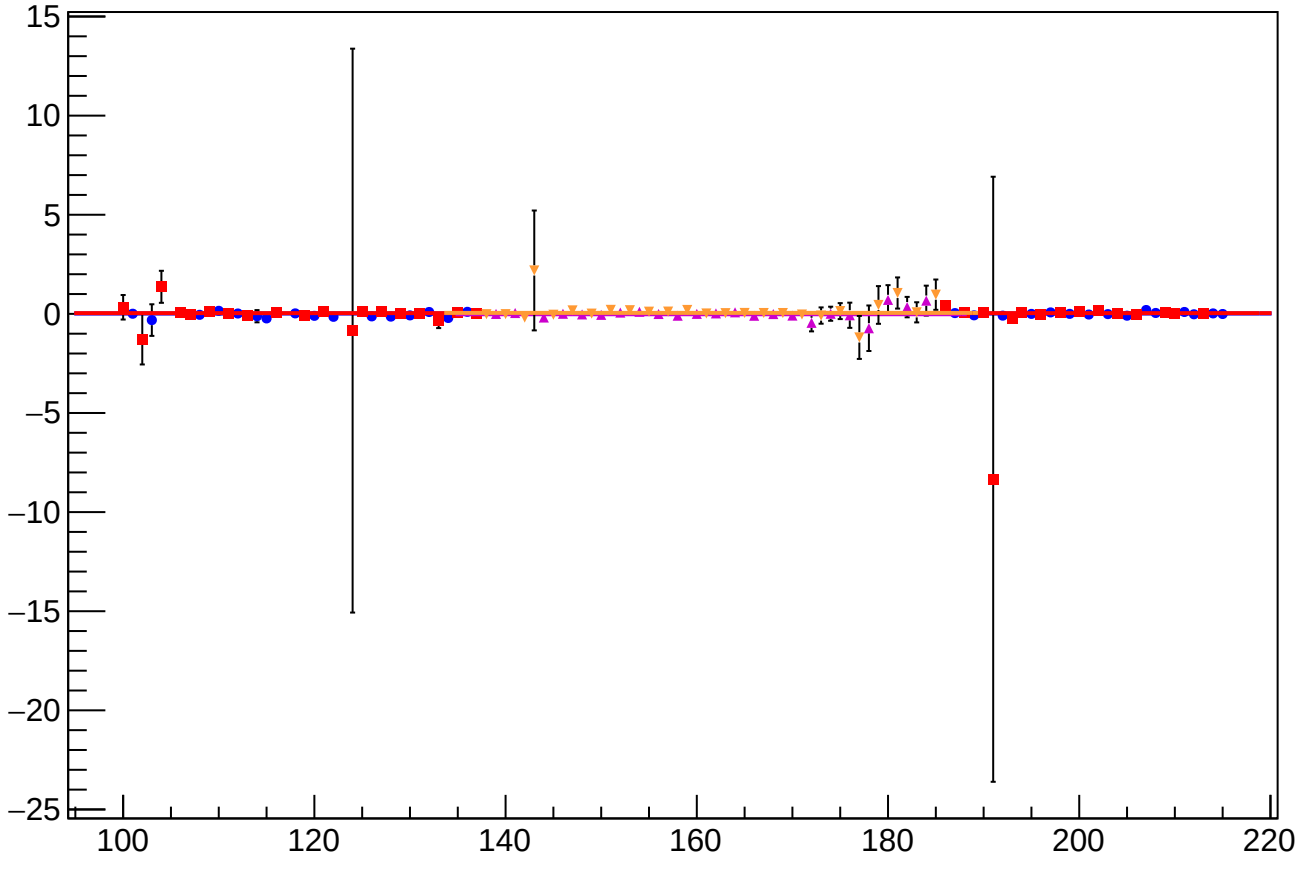
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 62.635+/-0.008 χ^2/NDF: 11887011.6/64

In: 61.256+/-0.008 χ^2/NDF:14893054.9/53

Out: 59.414+/-0.008 χ^2/NDF:19702237.2/58

All: 60.348+/-0.006 χ^2/NDF: 34619305.9/112



Right In: 0.016+/-0.016 χ^2/NDF: 30.6/30

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.037+/-0.017 χ^2/NDF: 25.7/33

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

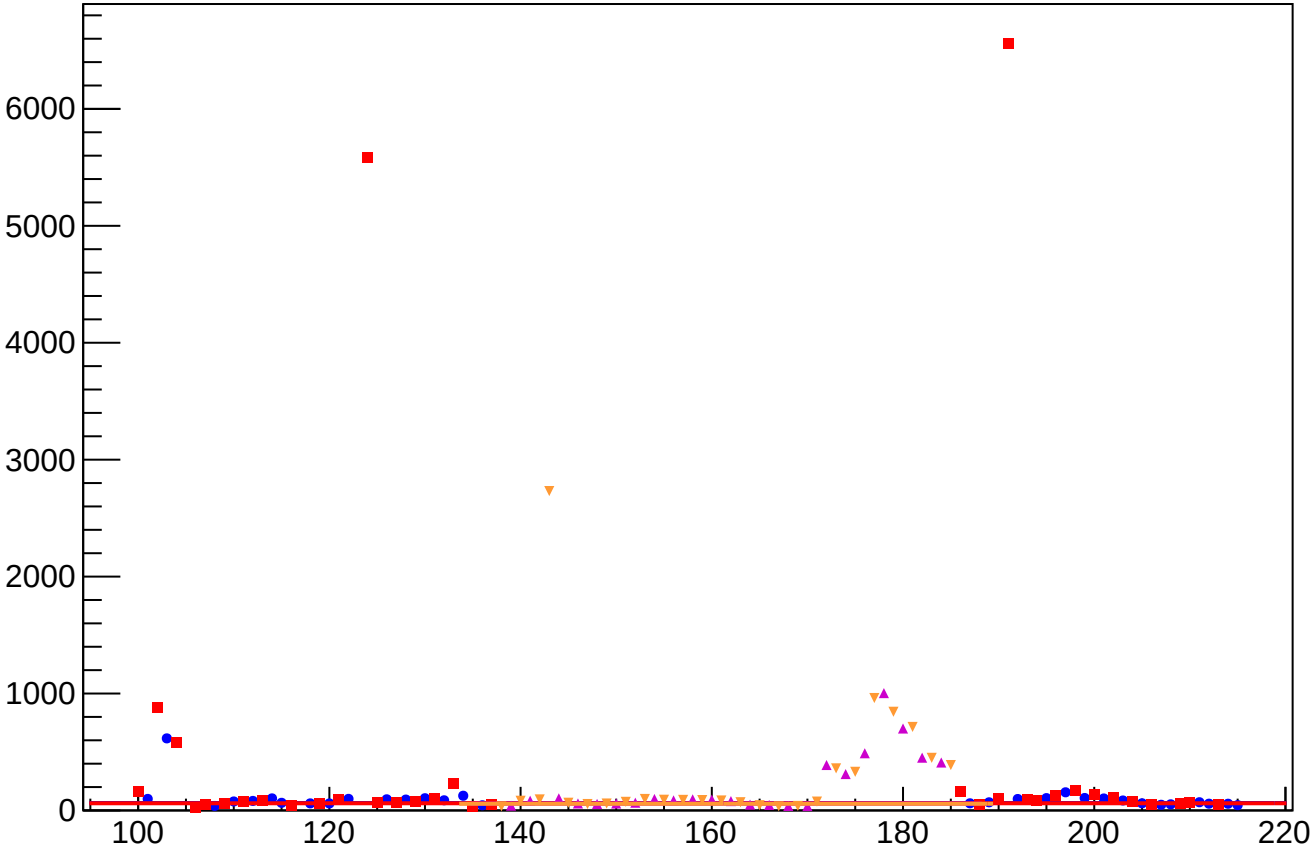
Right: 0.026+/-0.012 χ^2/NDF: 57.1/64

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.043+/-0.012 χ^2/NDF:50.5/58

All: 0.021+/-0.008 χ^2/NDF: 105.5/112

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.674+/-0.012 χ^2/NDF: 4553099.4/30

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.523+/-0.012 χ^2/NDF: 7317057.0/33

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

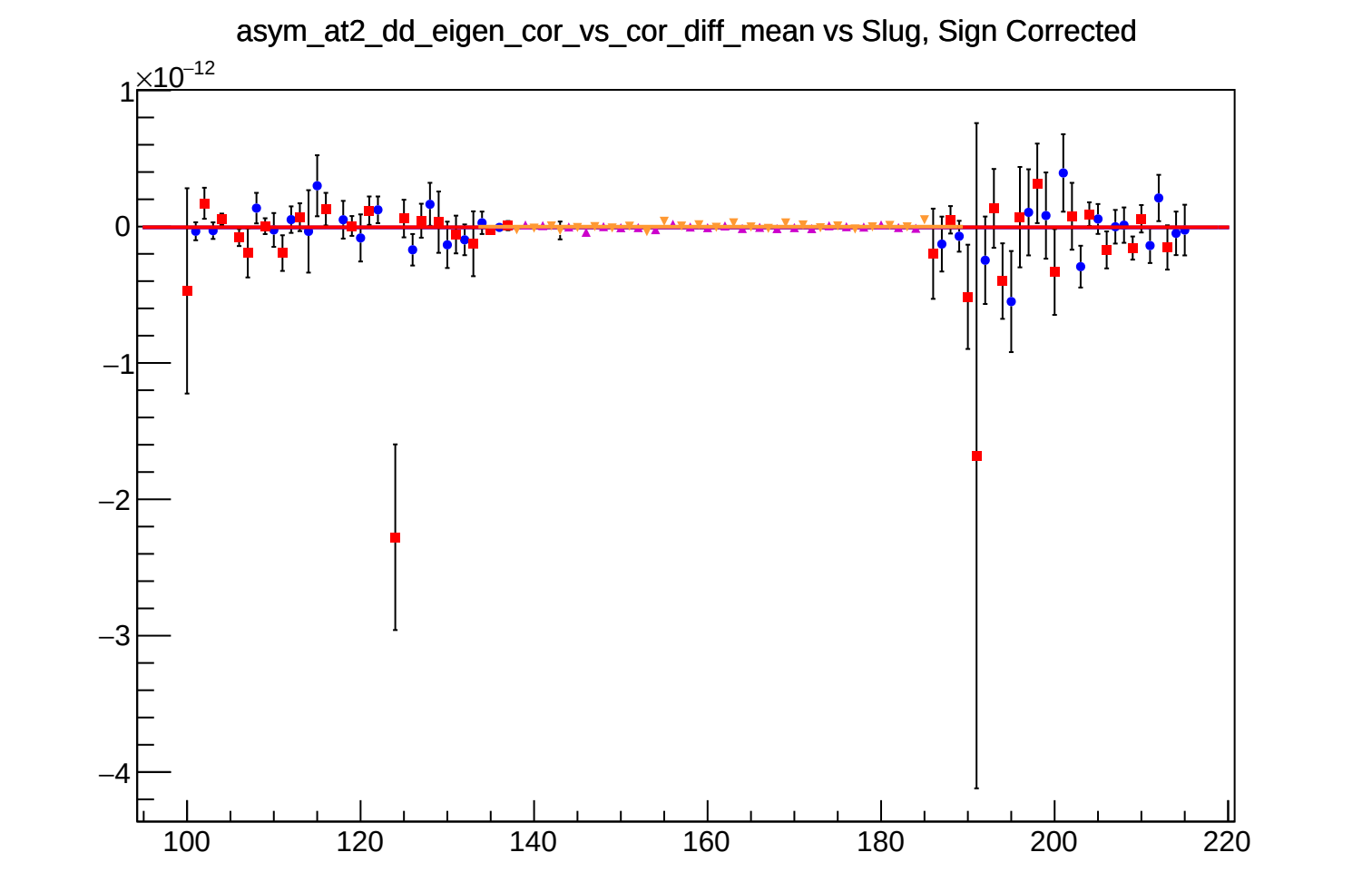
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 62.635+/-0.008 χ^2/NDF: 11887011.6/64

In: 61.256+/-0.008 χ^2/NDF:14893054.9/53

Out: 59.414+/-0.008 χ^2/NDF:19702237.2/58

All: 60.348+/-0.006 χ^2/NDF: 34619305.9/112



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/33

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

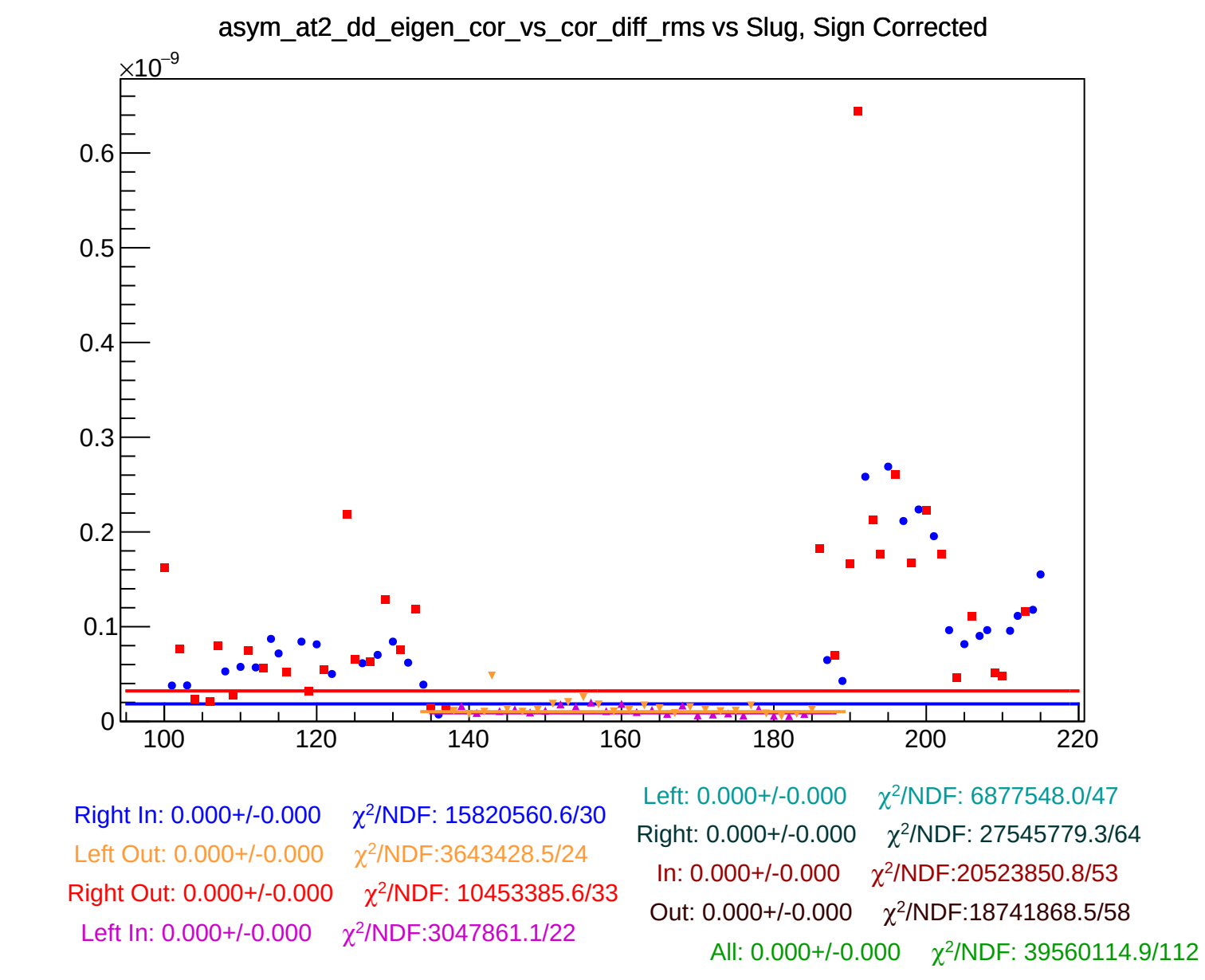
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

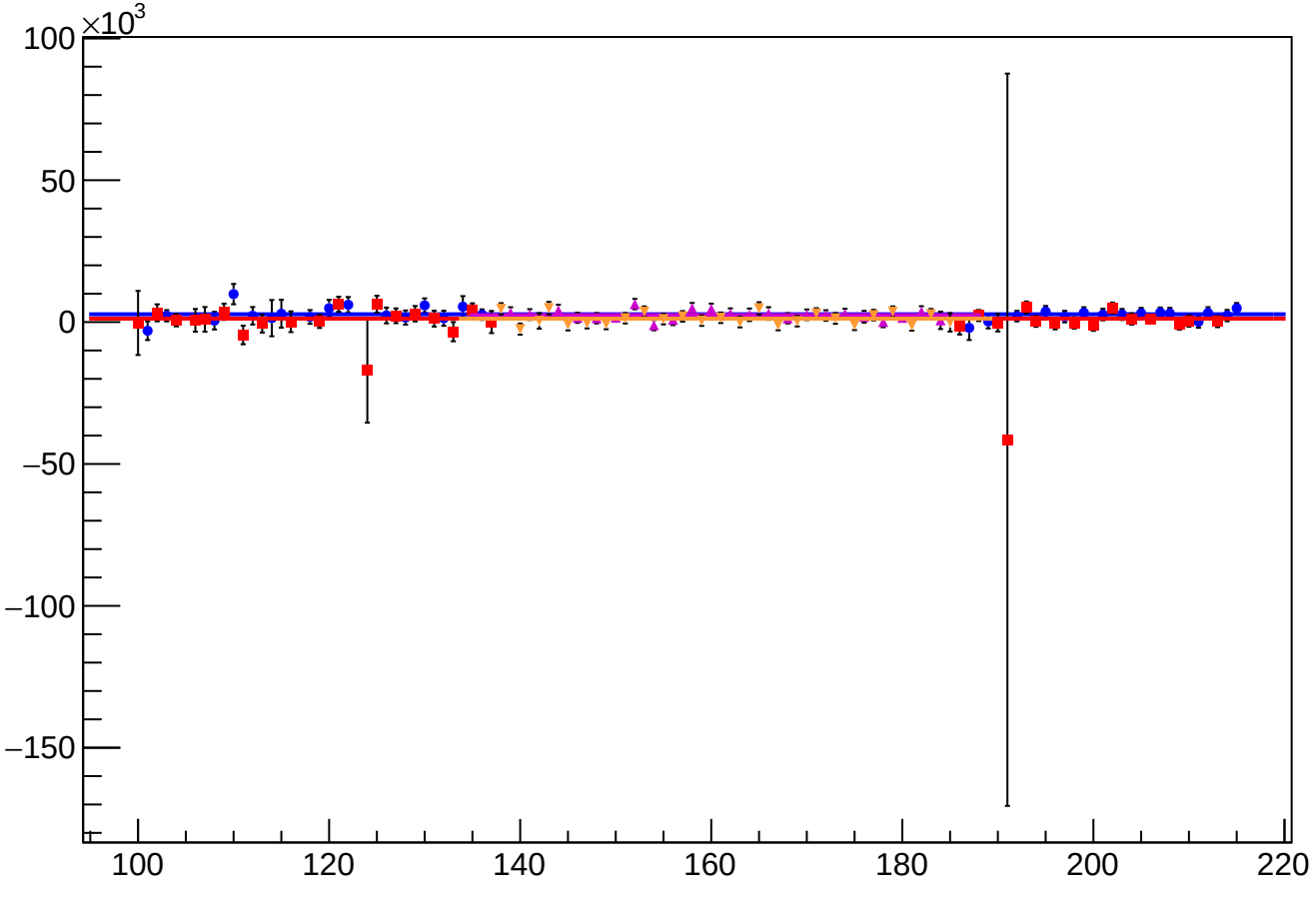
Right: -0.000+/-0.000 χ^2/NDF: 63.0/64

In: -0.000+/-0.000 χ^2/NDF:38.6/53

Out: -0.000+/-0.000 χ^2/NDF:58.8/58

All: -0.000+/-0.000 χ^2/NDF: 97.8/112


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 15820560.6/30
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 10453385.6/33
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
Left: 0.000+/-0.000 χ²/NDF: 6877548.0/47
Right: 0.000+/-0.000 χ²/NDF: 27545779.3/64
In: 0.000+/-0.000 χ²/NDF:20523850.8/53
Out: 0.000+/-0.000 χ²/NDF:18741868.5/58
All: 0.000+/-0.000 χ²/NDF: 39560114.9/112



Right In: 2753.540+/-418.780 χ^2/NDF: 18.5/30

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1225.494+/-432.257 χ^2/NDF: 29.2/33

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

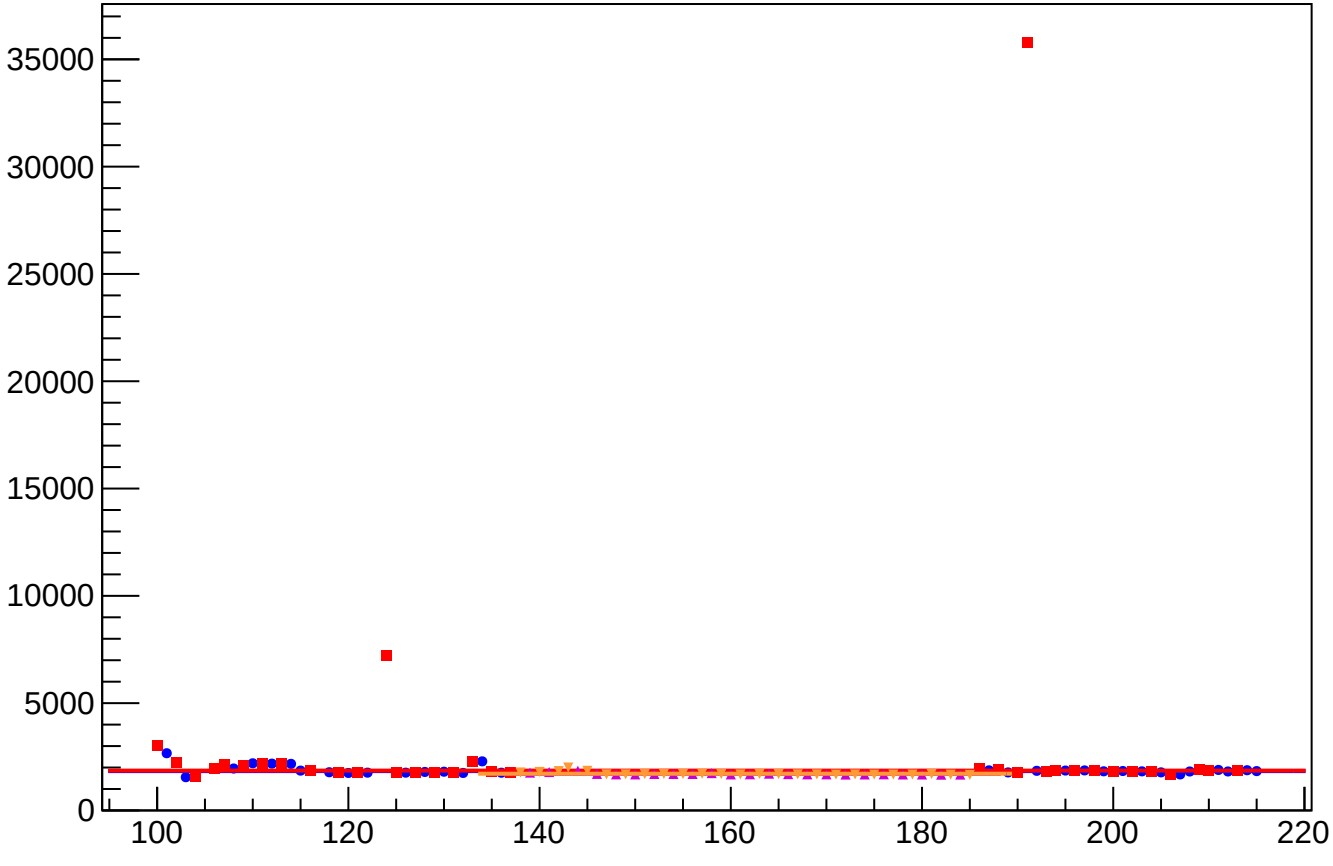
Right: 2013.708+/-300.774 χ^2/NDF: 54.2/64

In: 2588.264+/-288.483 χ^2/NDF:36.3/53

Out: 1212.738+/-289.208 χ^2/NDF:55.5/58

All: 1902.227+/-204.244 χ^2/NDF: 103.1/112

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1833.209+/-0.296 χ^2/NDF: 286914.8/30

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.447+/-0.305 χ^2/NDF: 543246.1/33

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

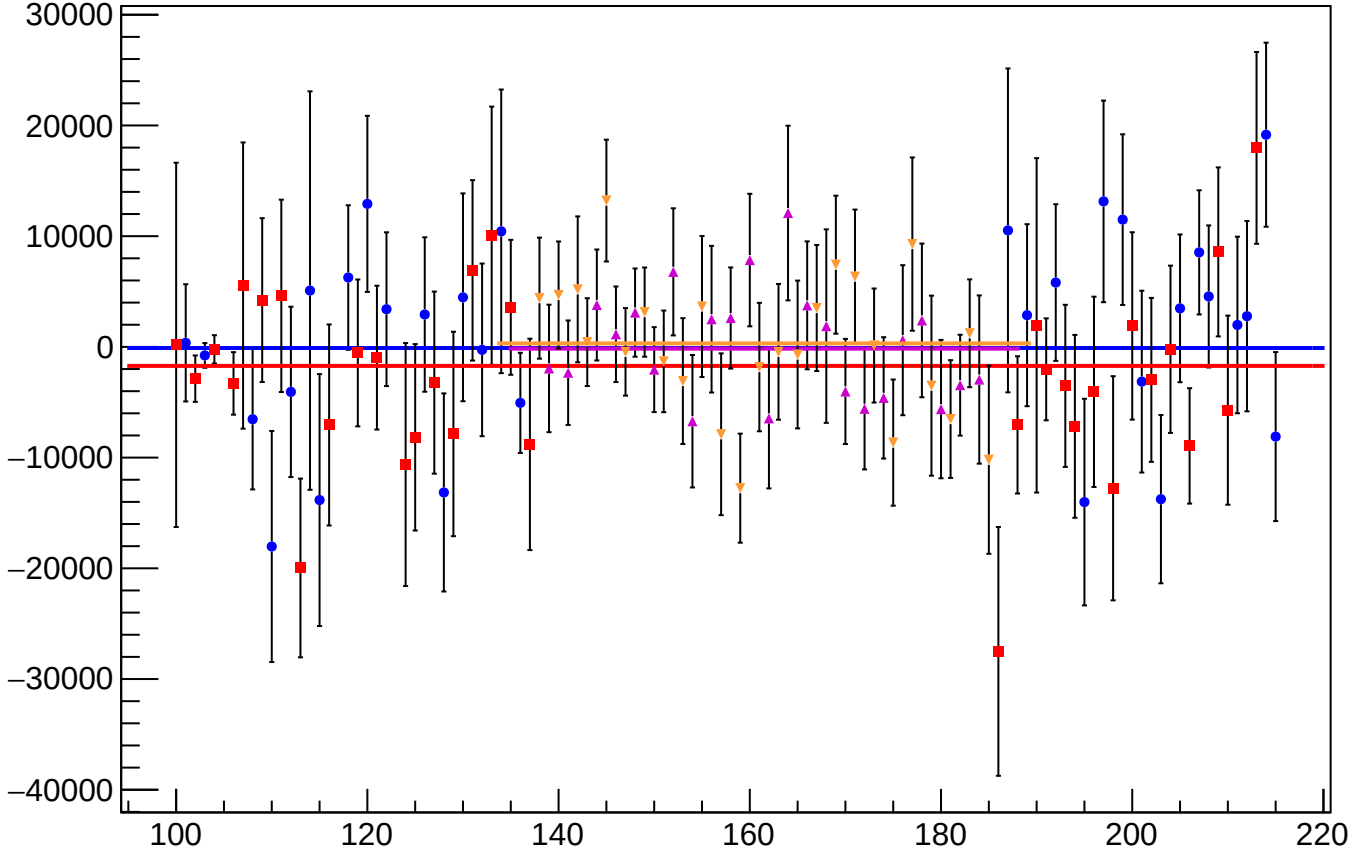
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.470+/-0.213 χ^2/NDF: 833145.2/64

In: 1765.298+/-0.204 χ^2/NDF:409574.6/53

Out: 1776.600+/-0.204 χ^2/NDF:727176.6/58

All: 1770.937+/-0.144 χ^2/NDF: 1138282.9/11



Right In: -100.088+/-867.127 χ^2/NDF: 35.6/30

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1716.331+/-826.215 χ^2/NDF: 31.4/33

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

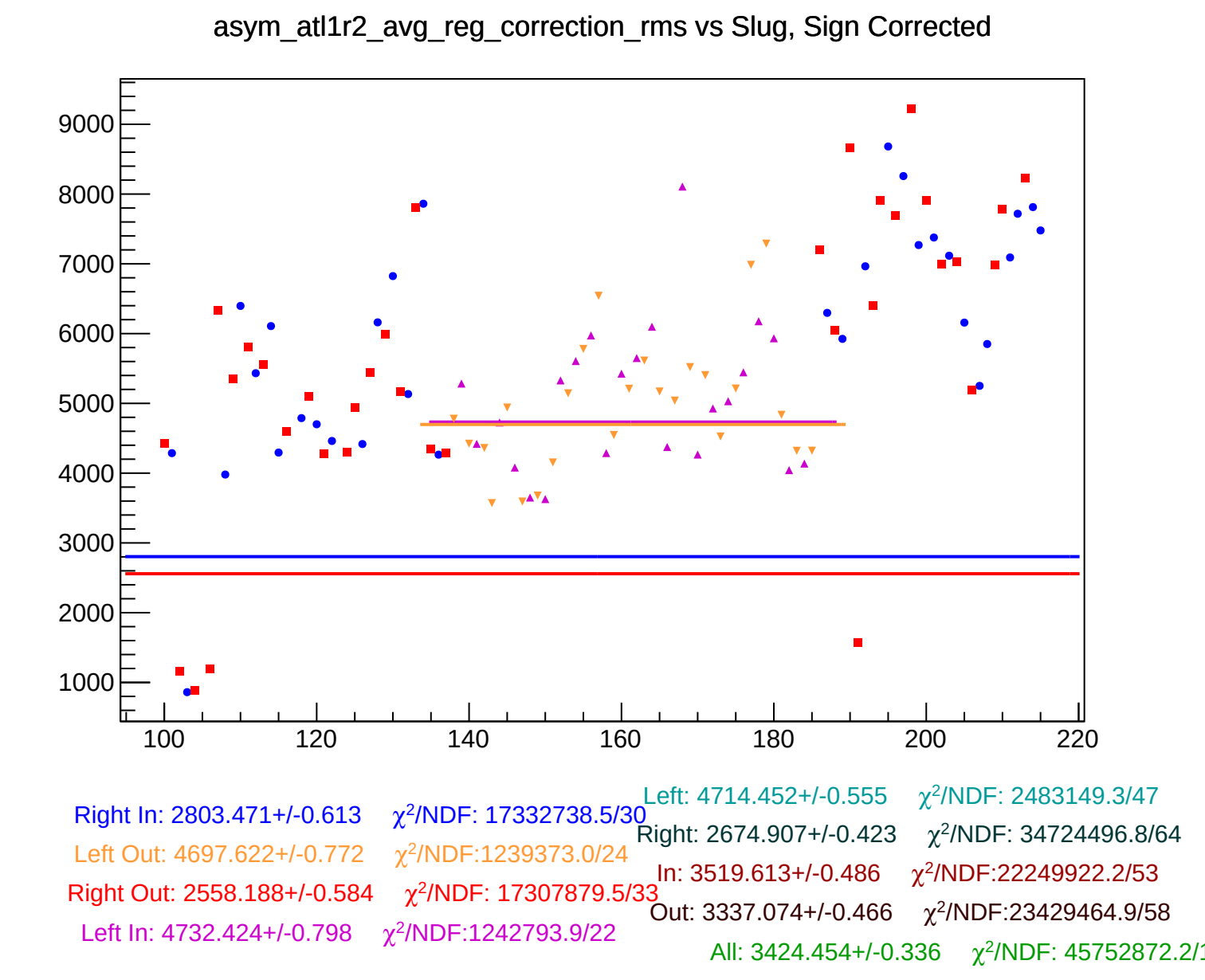
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

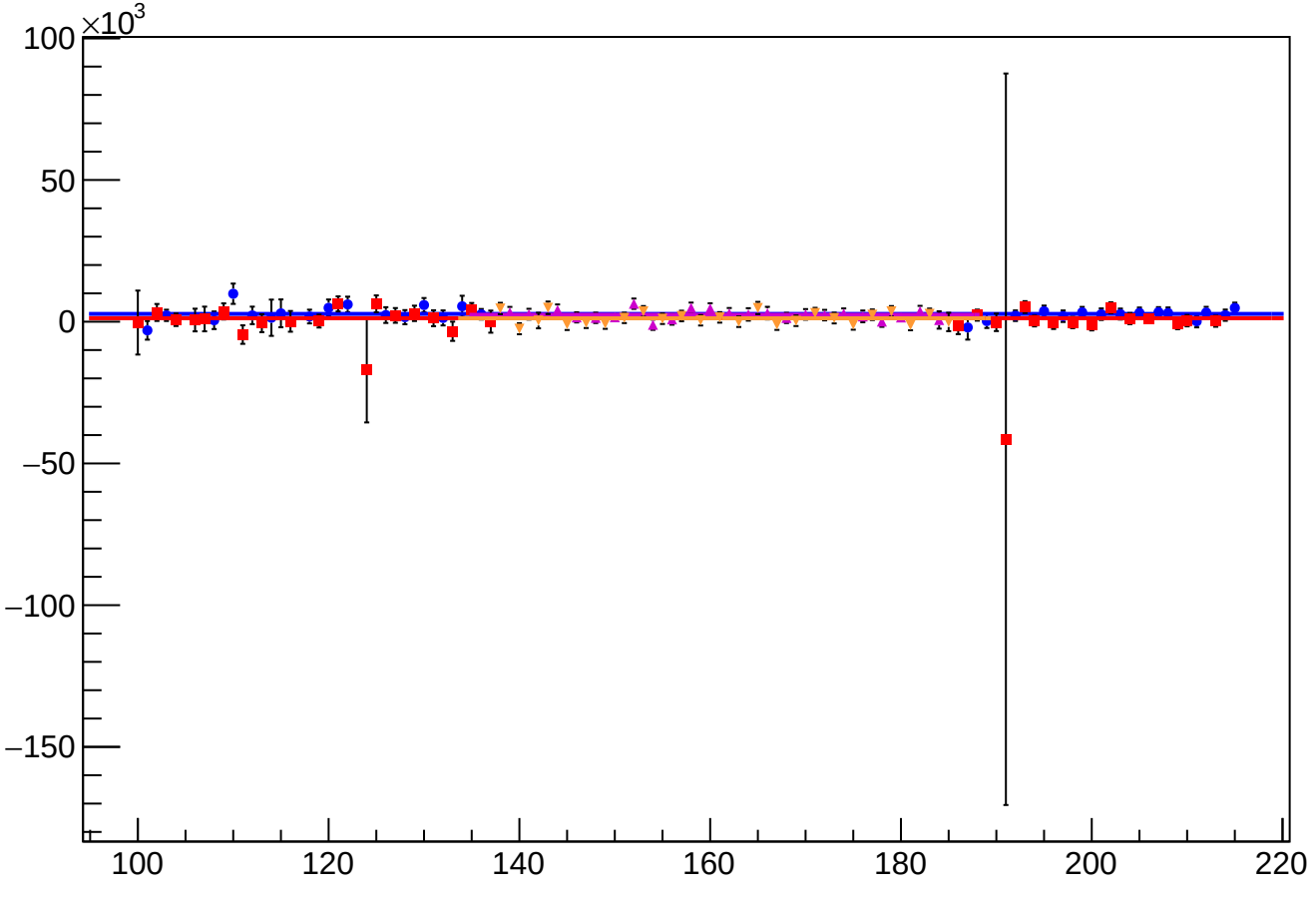
Right: -947.236+/-598.163 χ^2/NDF: 68.8/64

In: -121.577+/-687.572 χ^2/NDF:50.3/53

Out: -977.147+/-658.871 χ^2/NDF:60.6/58

All: -567.591+/-475.715 χ^2/NDF: 111.8/112


asym_atl1r2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2803.471+/-0.613 χ²/NDF: 17332738.5/30
Left Out: 4697.622+/-0.772 χ²/NDF:1239373.0/24
Right Out: 2558.188+/-0.584 χ²/NDF: 17307879.5/33
Left In: 4732.424+/-0.798 χ²/NDF:1242793.9/22
Left: 4714.452+/-0.555 χ²/NDF: 2483149.3/47
Right: 2674.907+/-0.423 χ²/NDF: 34724496.8/64
In: 3519.613+/-0.486 χ²/NDF:22249922.2/53
Out: 3337.074+/-0.466 χ²/NDF:23429464.9/58
All: 3424.454+/-0.336 χ²/NDF: 45752872.2/



Right In: 2753.654+/-418.780 χ^2/NDF: 18.5/30

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1225.053+/-432.257 χ^2/NDF: 29.2/33

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

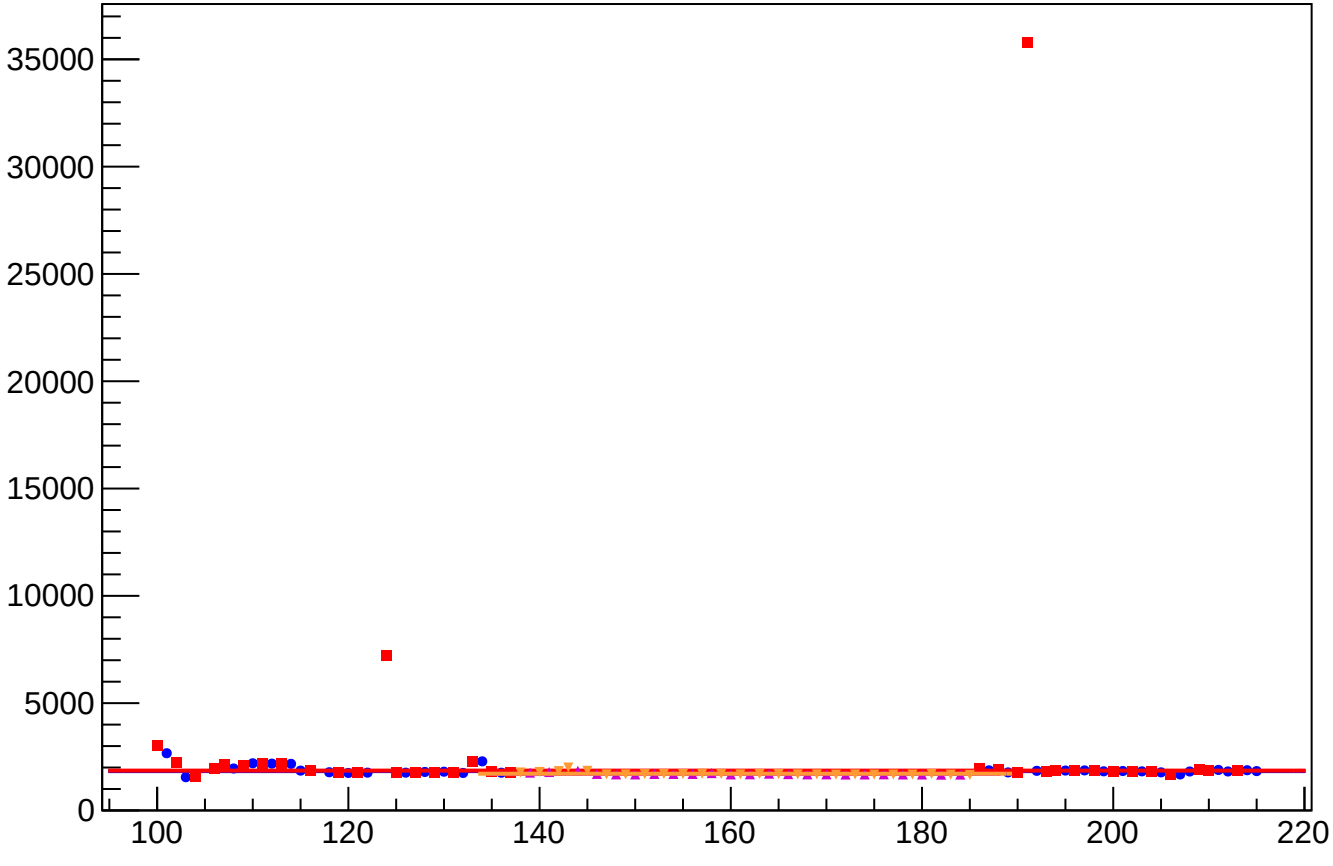
Right: 2013.554+/-300.774 χ^2/NDF: 54.2/64

In: 2588.283+/-288.483 χ^2/NDF:36.3/53

Out: 1212.487+/-289.208 χ^2/NDF:55.5/58

All: 1902.111+/-204.244 χ^2/NDF: 103.2/112

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1833.209+/-0.296 χ^2/NDF: 286914.7/30

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.613+/-0.305 χ^2/NDF: 543615.0/33

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

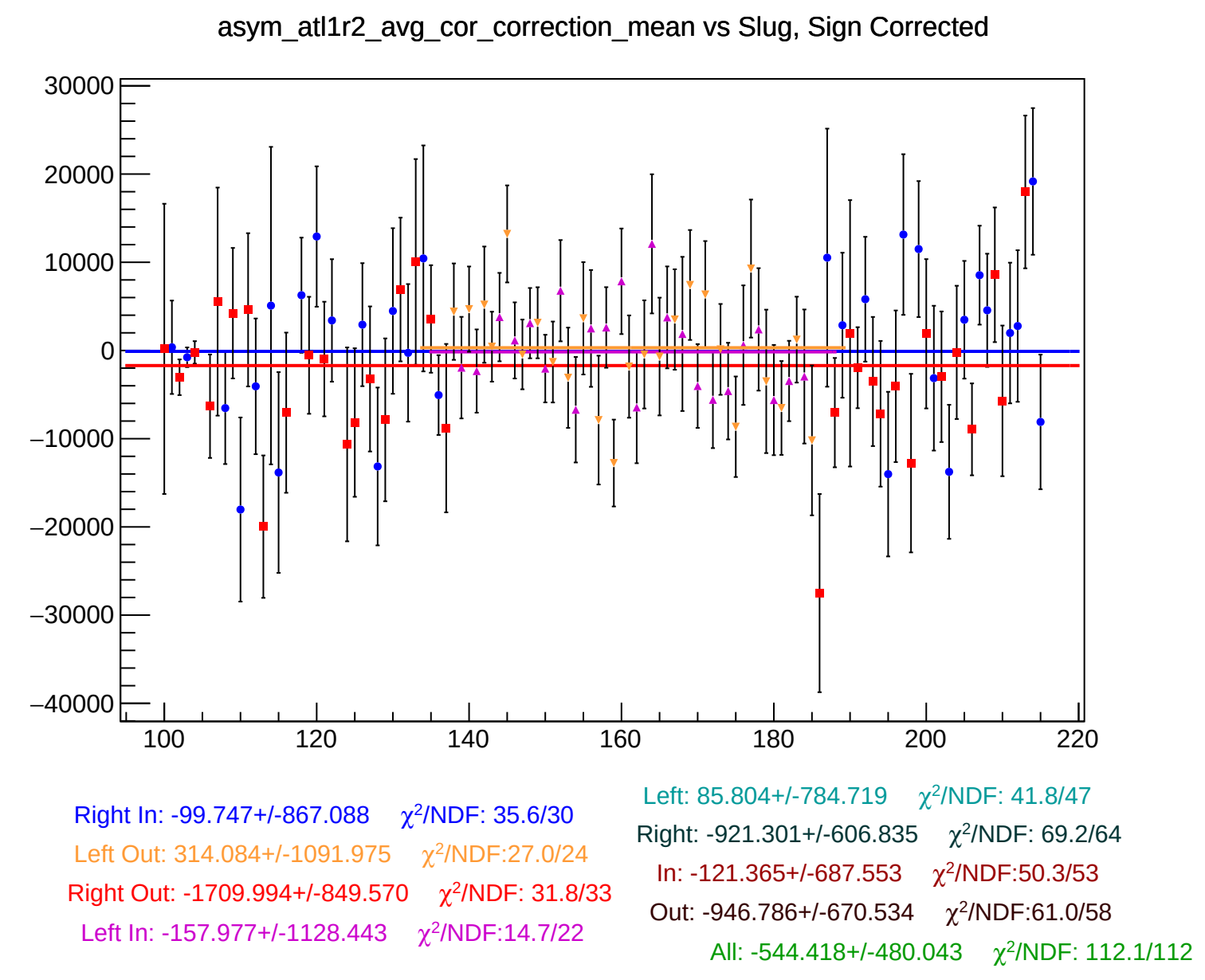
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

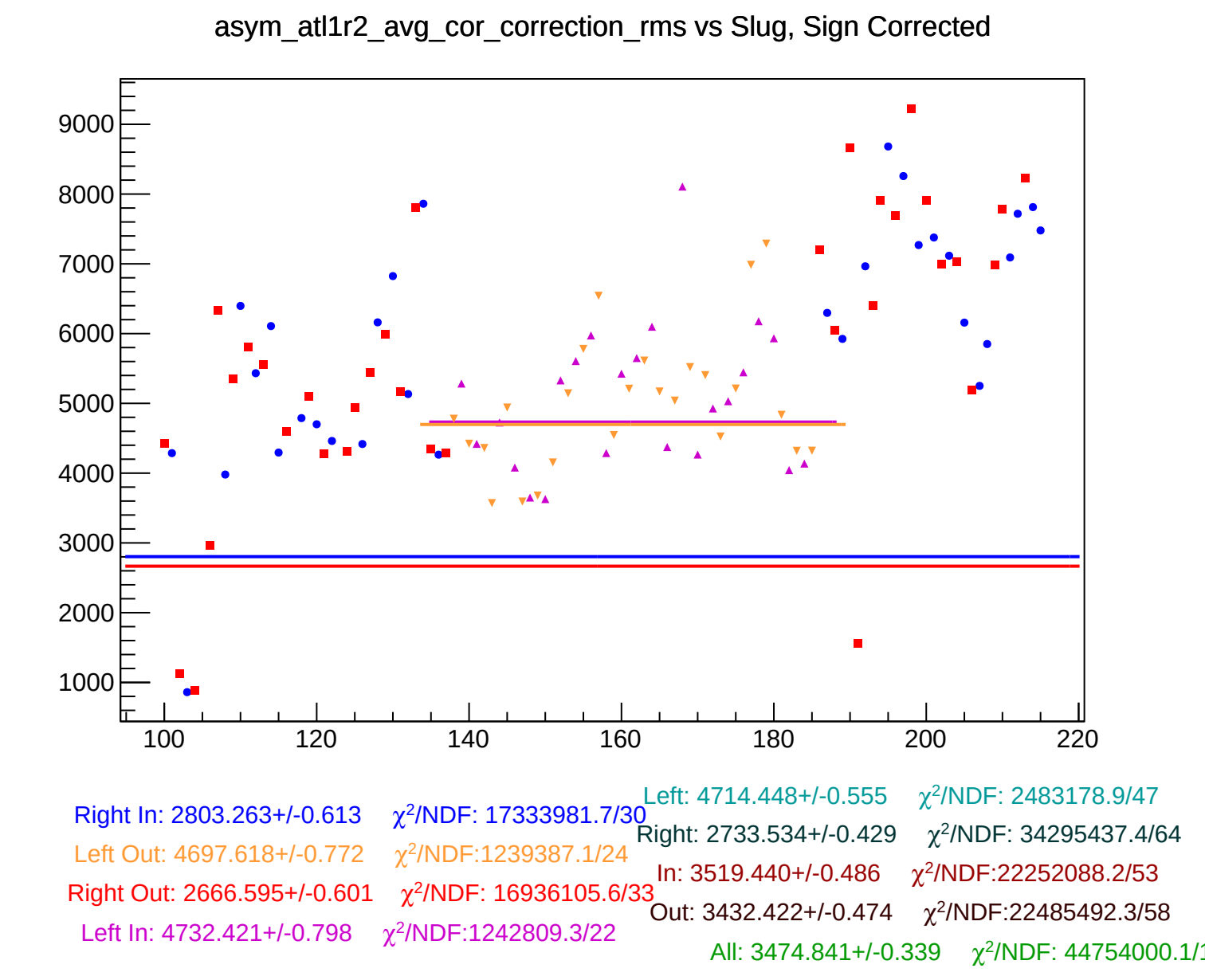
Right: 1844.550+/-0.213 χ^2/NDF: 833556.5/64

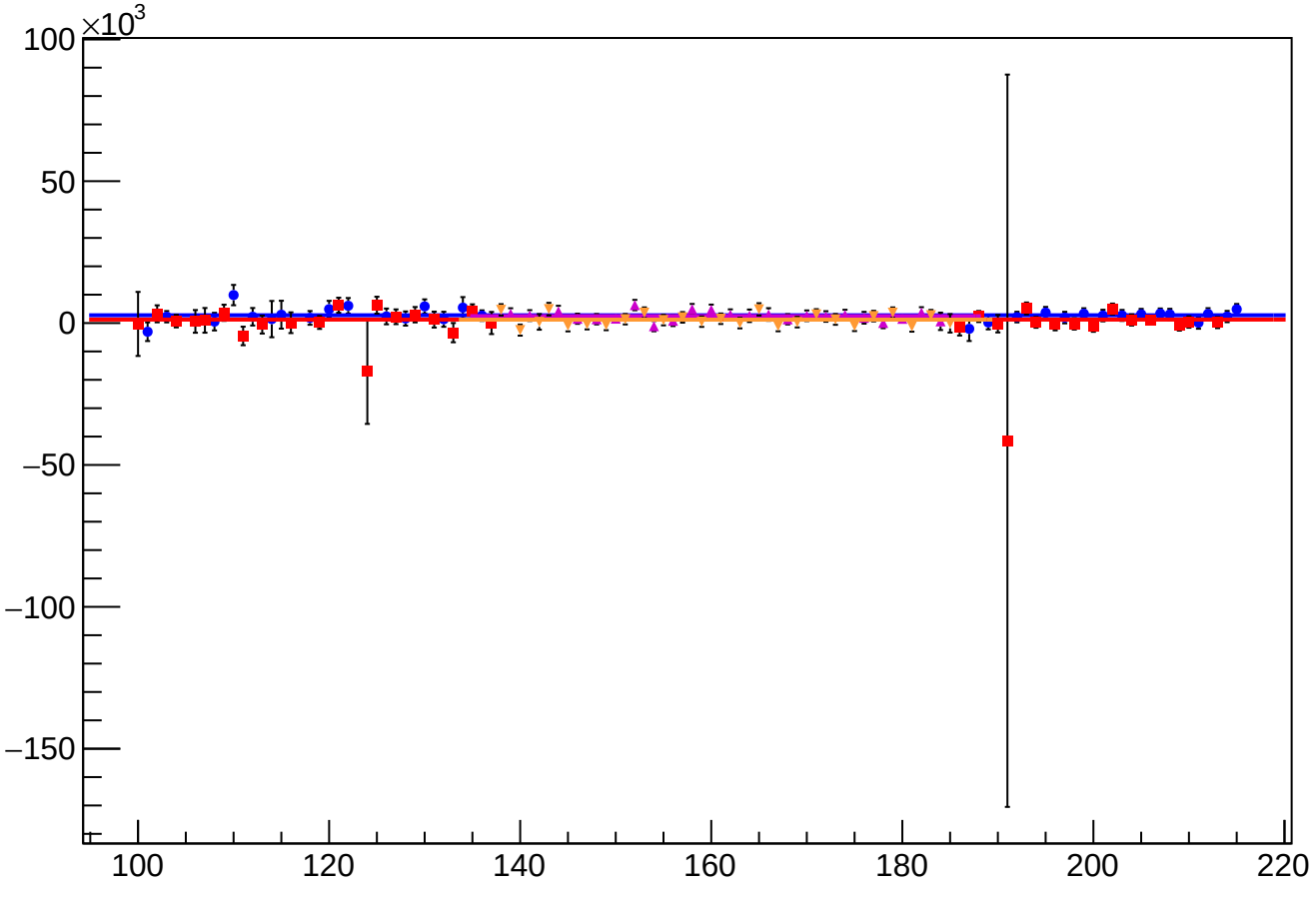
In: 1765.298+/-0.204 χ^2/NDF:409574.5/53

Out: 1776.668+/-0.204 χ^2/NDF:727818.1/58

All: 1770.971+/-0.144 χ^2/NDF: 1138942.7/11


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -99.747+/-867.088 χ²/NDF: 35.6/30
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1709.994+/-849.570 χ²/NDF: 31.8/33
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -921.301+/-606.835 χ²/NDF: 69.2/64
In: -121.365+/-687.553 χ²/NDF:50.3/53
Out: -946.786+/-670.534 χ²/NDF:61.0/58
All: -544.418+/-480.043 χ²/NDF: 112.1/112


asym_atl1r2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2803.263+/-0.613 χ²/NDF: 17333981.7/30
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2666.595+/-0.601 χ²/NDF: 16936105.6/33
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2733.534+/-0.429 χ²/NDF: 34295437.4/64
In: 3519.440+/-0.486 χ²/NDF:22252088.2/53
Out: 3432.422+/-0.474 χ²/NDF:22485492.3/58
All: 3474.841+/-0.339 χ²/NDF: 44754000.1/1



Right In: 2753.654+/-418.780 χ^2/NDF: 18.5/30

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1225.053+/-432.257 χ^2/NDF: 29.2/33

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

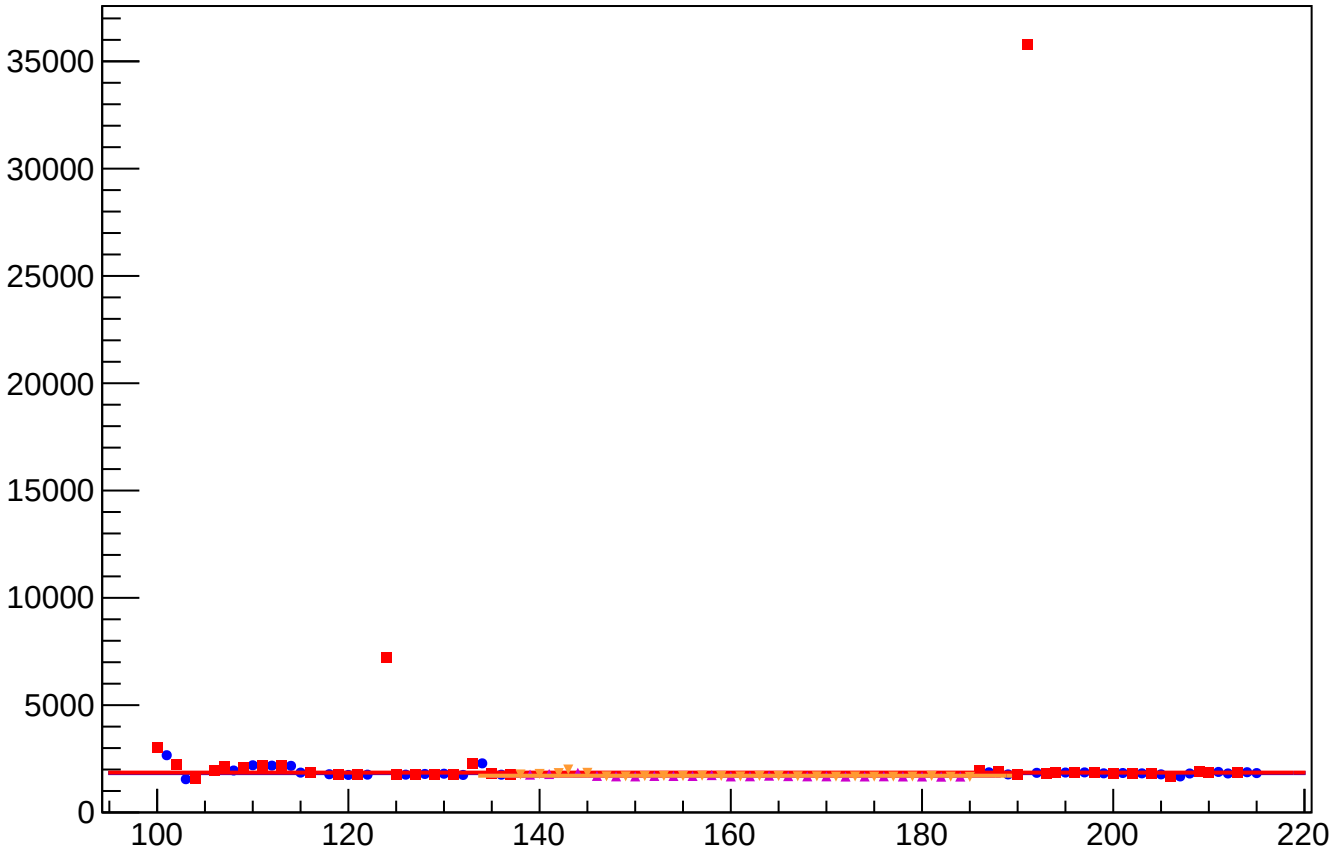
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2013.554+/-300.774 χ^2/NDF: 54.2/64

In: 2588.283+/-288.483 χ^2/NDF:36.3/53

Out: 1212.487+/-289.208 χ^2/NDF:55.5/58

All: 1902.111+/-204.244 χ^2/NDF: 103.2/112



Right In: 1833.209+/-0.296 χ^2/NDF: 286914.7/30

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.613+/-0.305 χ^2/NDF: 543615.0/33

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

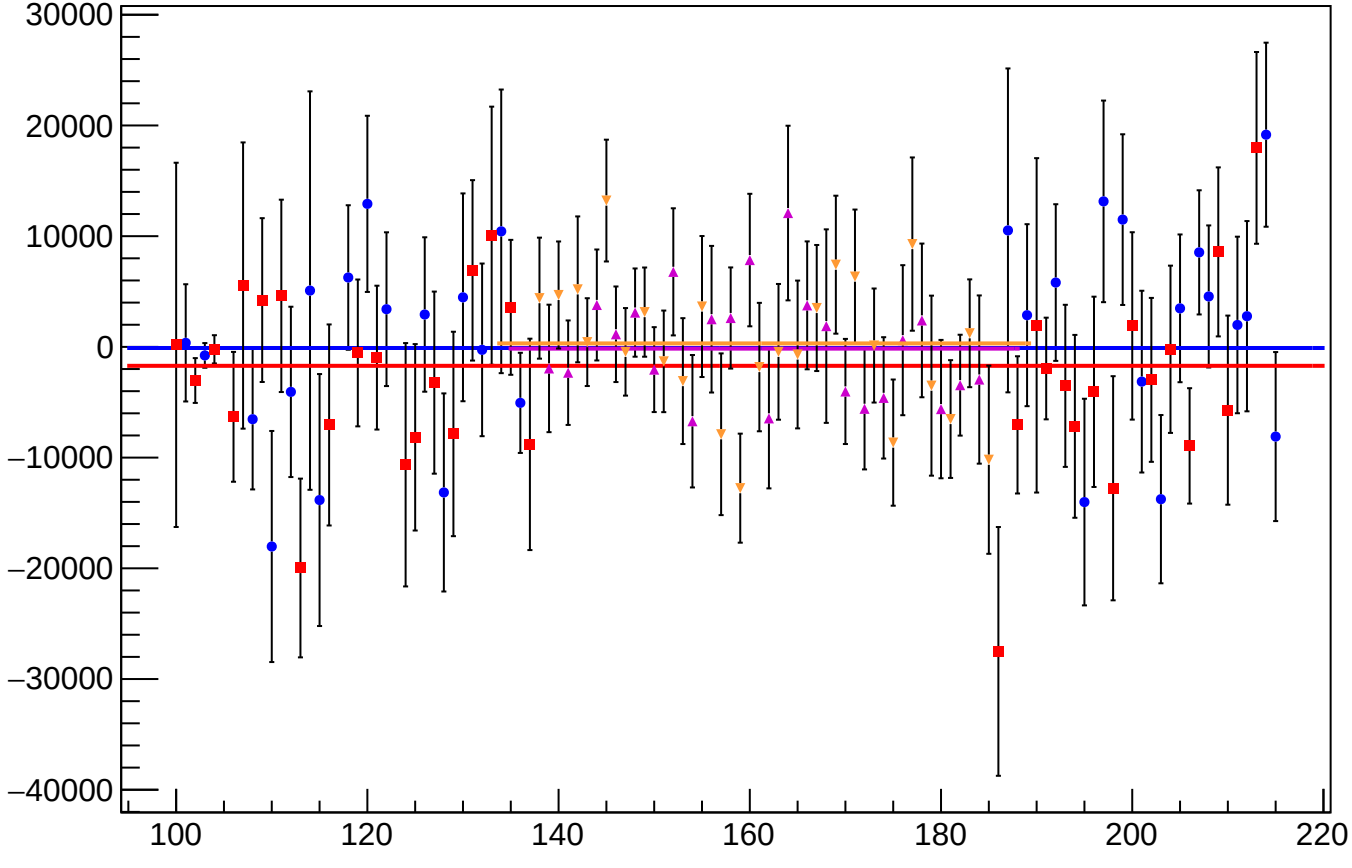
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.550+/-0.213 χ^2/NDF: 833556.5/64

In: 1765.298+/-0.204 χ^2/NDF:409574.5/53

Out: 1776.668+/-0.204 χ^2/NDF:727818.1/58

All: 1770.971+/-0.144 χ^2/NDF: 1138942.7/11



Right In: -99.747+/-867.088 χ^2/NDF: 35.6/30

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1709.994+/-849.570 χ^2/NDF: 31.8/33

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

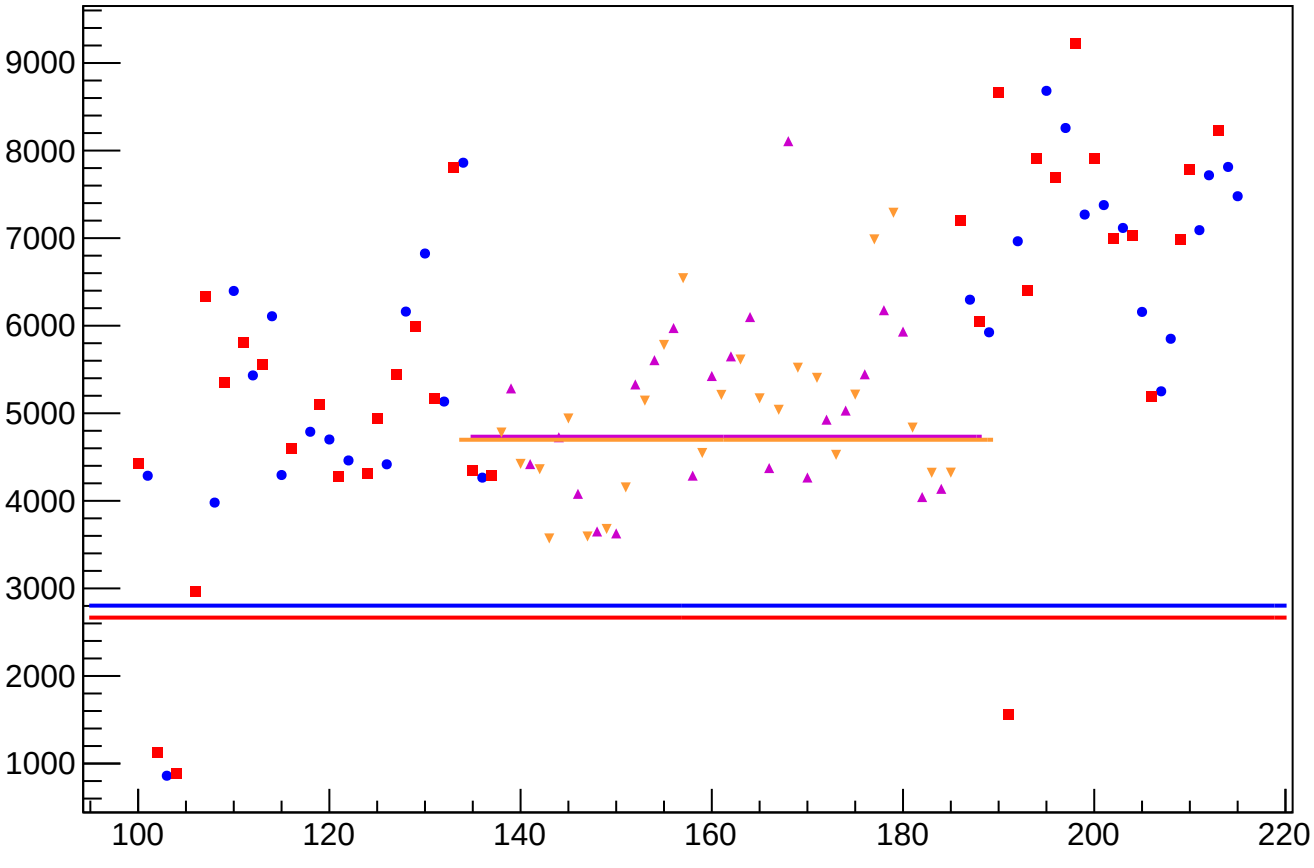
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -921.301+/-606.835 χ^2/NDF: 69.2/64

In: -121.365+/-687.553 χ^2/NDF:50.3/53

Out: -946.786+/-670.534 χ^2/NDF:61.0/58

All: -544.418+/-480.043 χ^2/NDF: 112.1/112



Right In: 2803.263+/-0.613 χ^2/NDF: 17333981.7/30

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2666.595+/-0.601 χ^2/NDF: 16936105.6/33

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

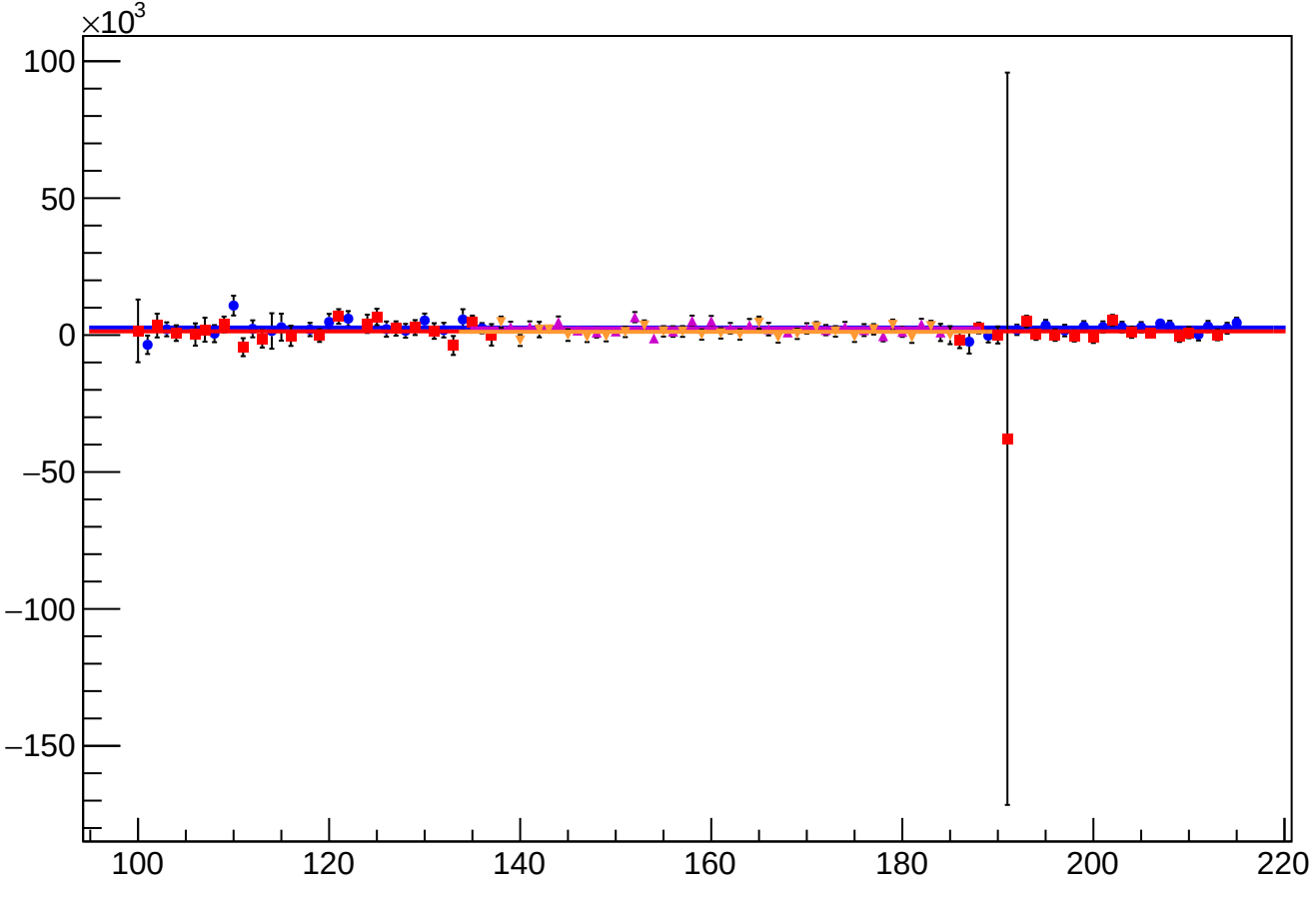
Right: 2733.534+/-0.429 χ^2/NDF: 34295437.4/64

In: 3519.440+/-0.486 χ^2/NDF:22252088.2/53

Out: 3432.422+/-0.474 χ^2/NDF:22485492.3/58

All: 3474.841+/-0.339 χ^2/NDF: 44754000.1/1

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2762.925+/-426.971 χ^2/NDF: 19.7/30

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1358.990+/-439.433 χ^2/NDF: 30.8/33

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

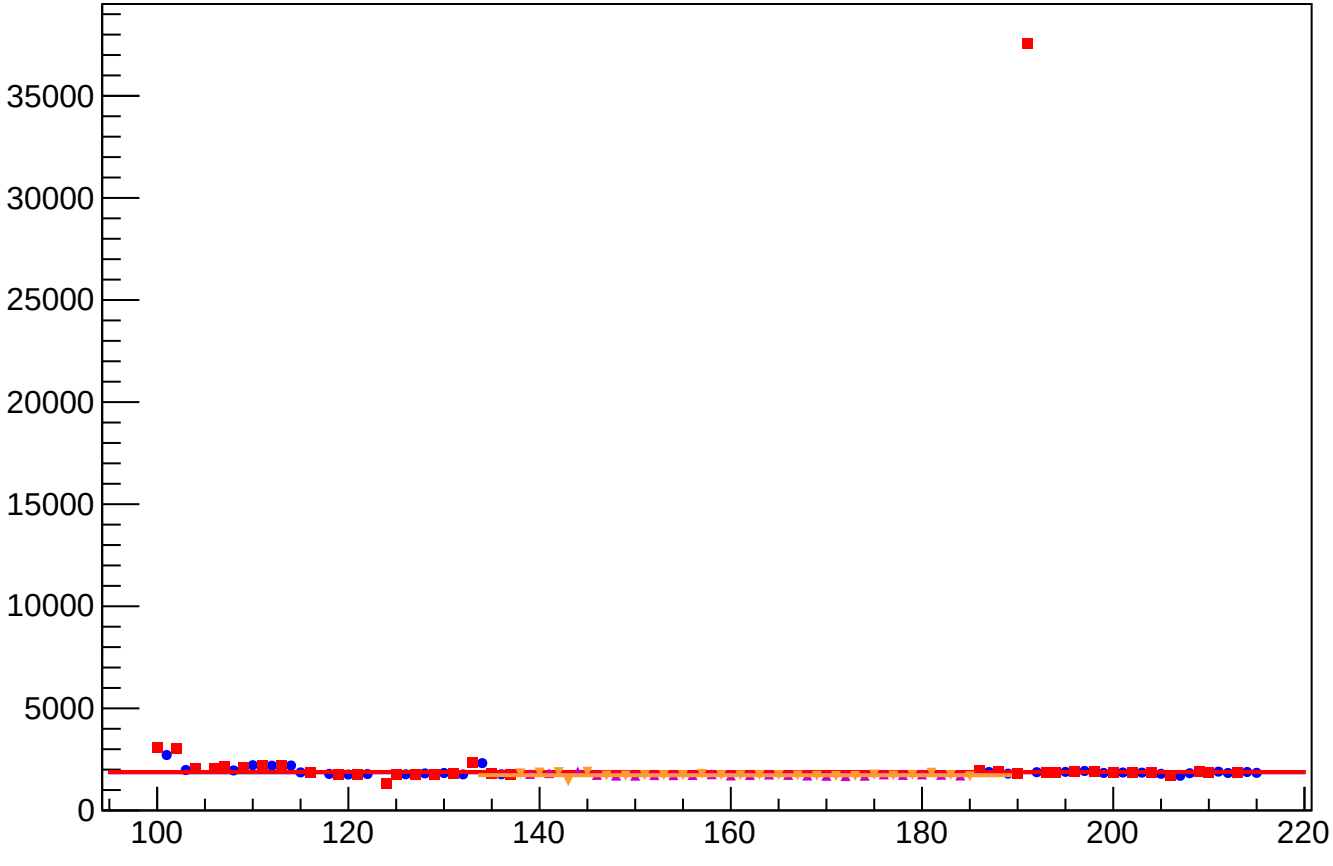
Right: 2081.148+/-306.225 χ^2/NDF: 55.7/64

In: 2592.938+/-294.809 χ^2/NDF:40.6/53

Out: 1269.184+/-292.931 χ^2/NDF:50.3/58

All: 1926.832+/-207.794 χ^2/NDF: 101.1/112

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1869.352+/-0.302 χ^2/NDF: 253149.1/30

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1884.323+/-0.311 χ^2/NDF: 521007.6/33

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

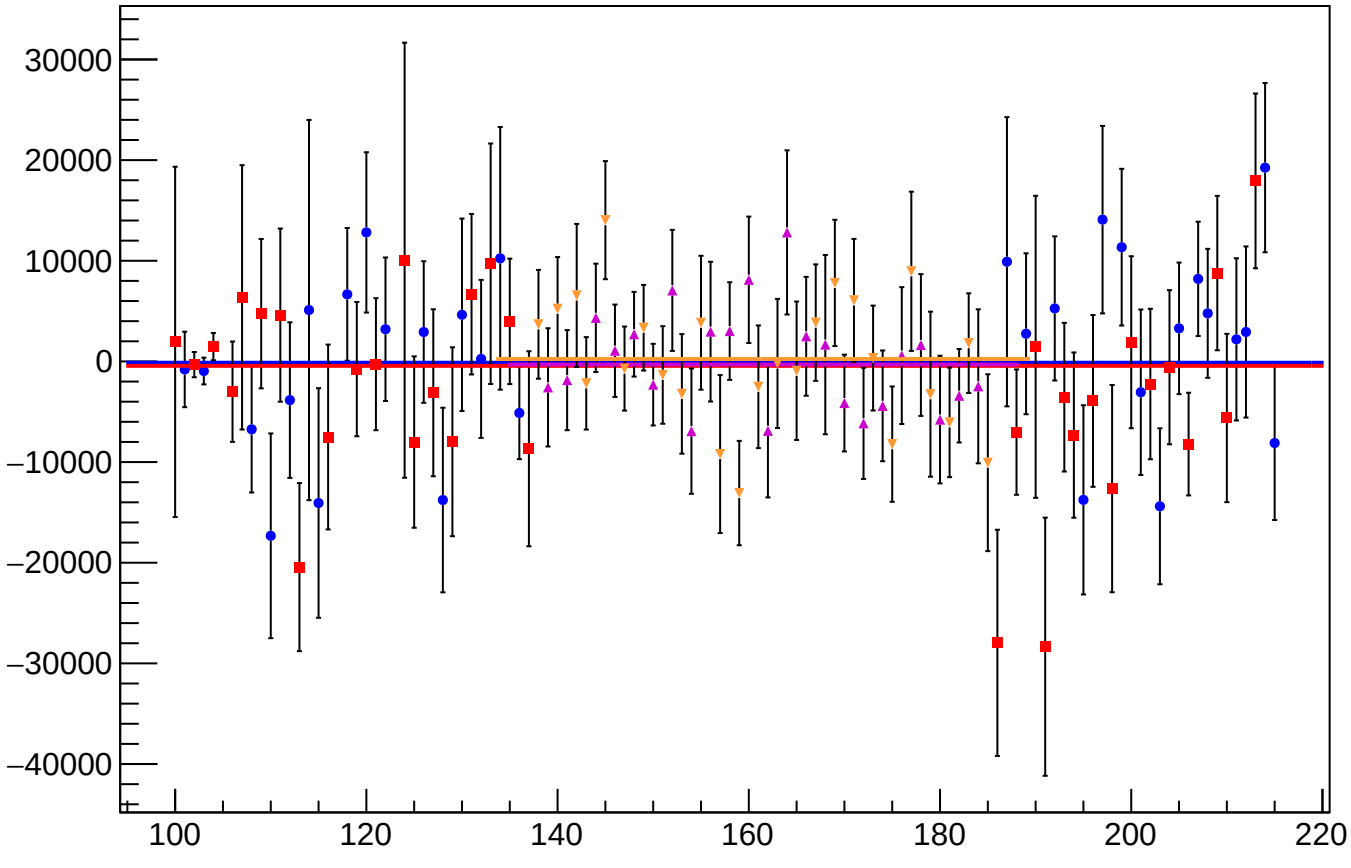
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1876.624+/-0.217 χ^2/NDF: 775351.1/64

In: 1804.092+/-0.208 χ^2/NDF:369240.1/53

Out: 1797.064+/-0.207 χ^2/NDF:773335.3/58

All: 1800.555+/-0.147 χ^2/NDF: 1143147.5/11



Right In: -132.023+/-945.097 χ^2/NDF: 35.5/30

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -437.452+/-775.168 χ^2/NDF: 37.3/33

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

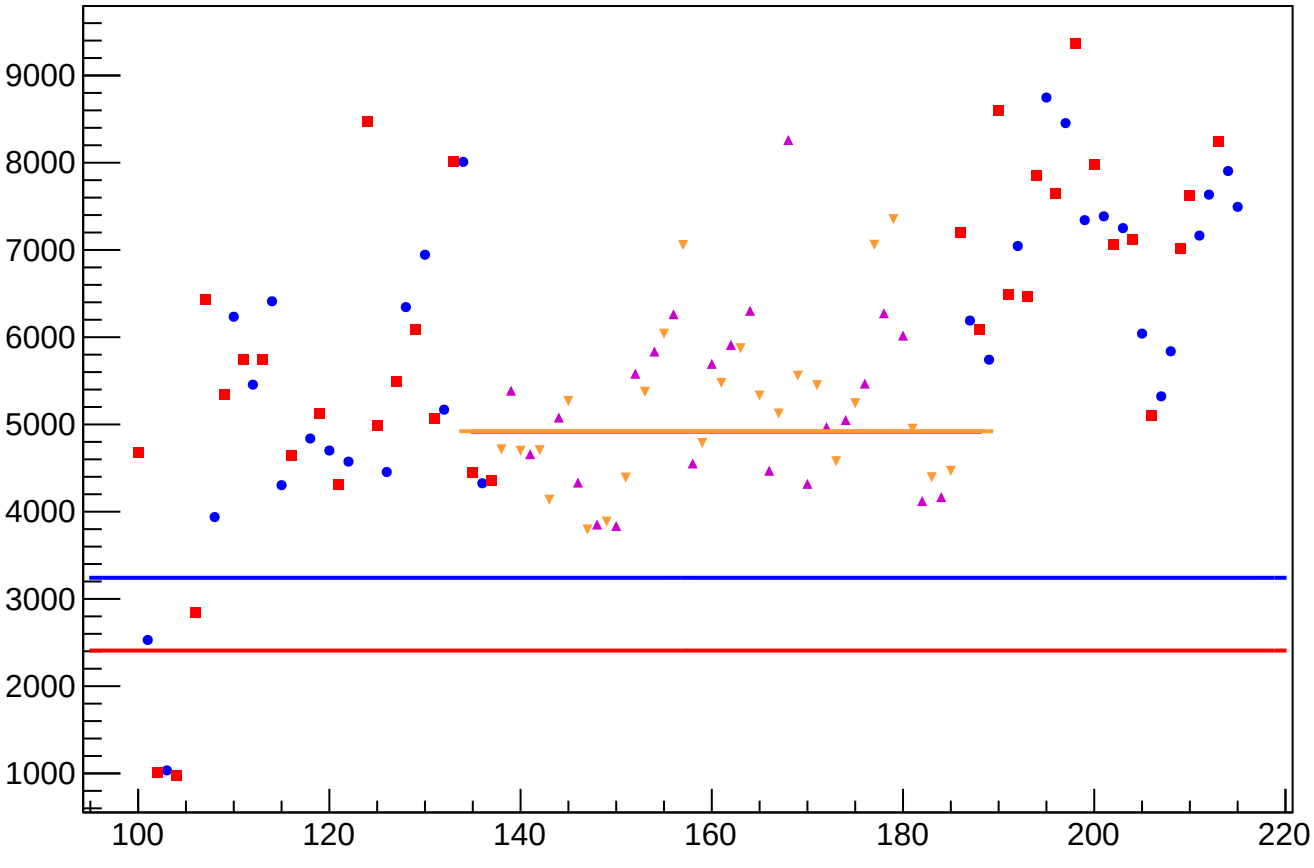
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -314.616+/-599.354 χ^2/NDF: 72.9/64

In: -200.688+/-735.453 χ^2/NDF:50.0/53

Out: -223.148+/-641.186 χ^2/NDF:64.3/58

All: -213.449+/-483.301 χ^2/NDF: 114.3/112



Right In: 3242.459+/-0.668 χ^2/NDF: 14314380.3/30

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2408.441+/-0.548 χ^2/NDF: 18494054.4/33

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

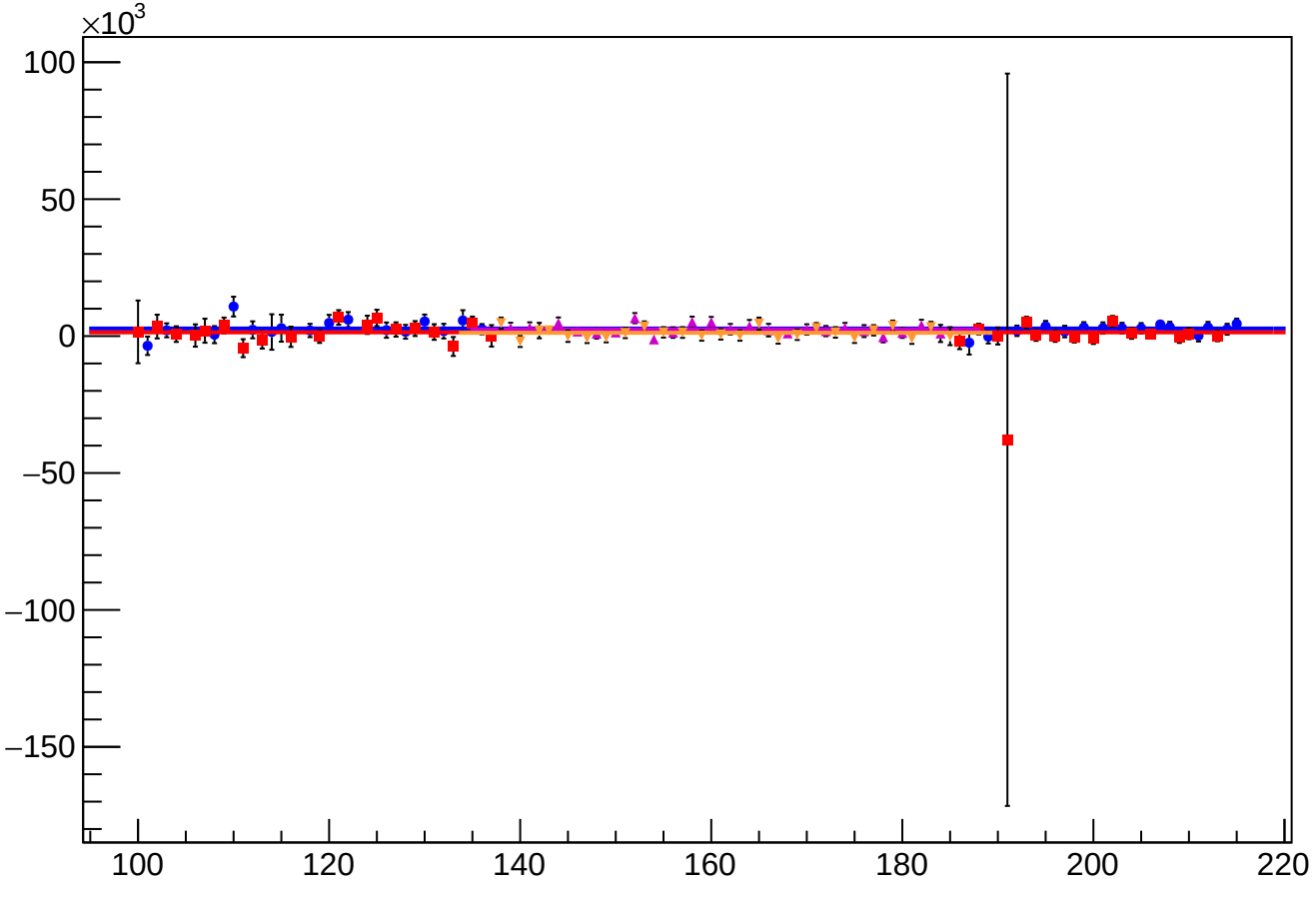
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2743.861+/-0.424 χ^2/NDF: 33739548.4/64

In: 3902.952+/-0.520 χ^2/NDF:17952487.4/53

Out: 3202.369+/-0.453 χ^2/NDF:26187621.9/58

All: 3504.911+/-0.342 χ^2/NDF: 45171225.6/1



Right In: 2762.920+/-426.971 χ^2/NDF: 19.7/30

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1358.991+/-439.433 χ^2/NDF: 30.8/33

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

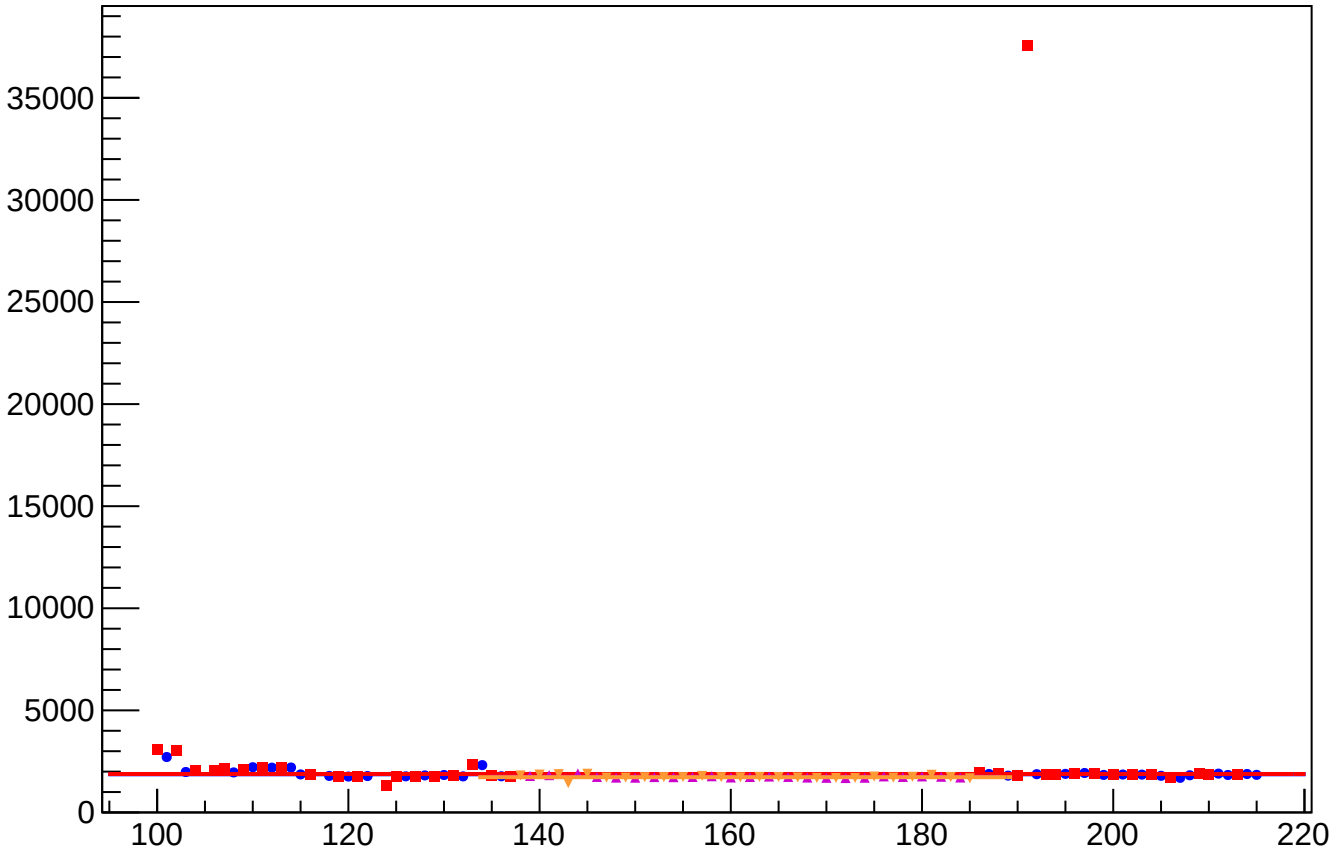
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2081.145+/-306.225 χ^2/NDF: 55.7/64

In: 2592.936+/-294.809 χ^2/NDF:40.6/53

Out: 1269.181+/-292.931 χ^2/NDF:50.3/58

All: 1926.829+/-207.794 χ^2/NDF: 101.1/112



Right In: 1869.352+/-0.302 χ^2/NDF: 253149.1/30

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1884.322+/-0.311 χ^2/NDF: 521006.4/33

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

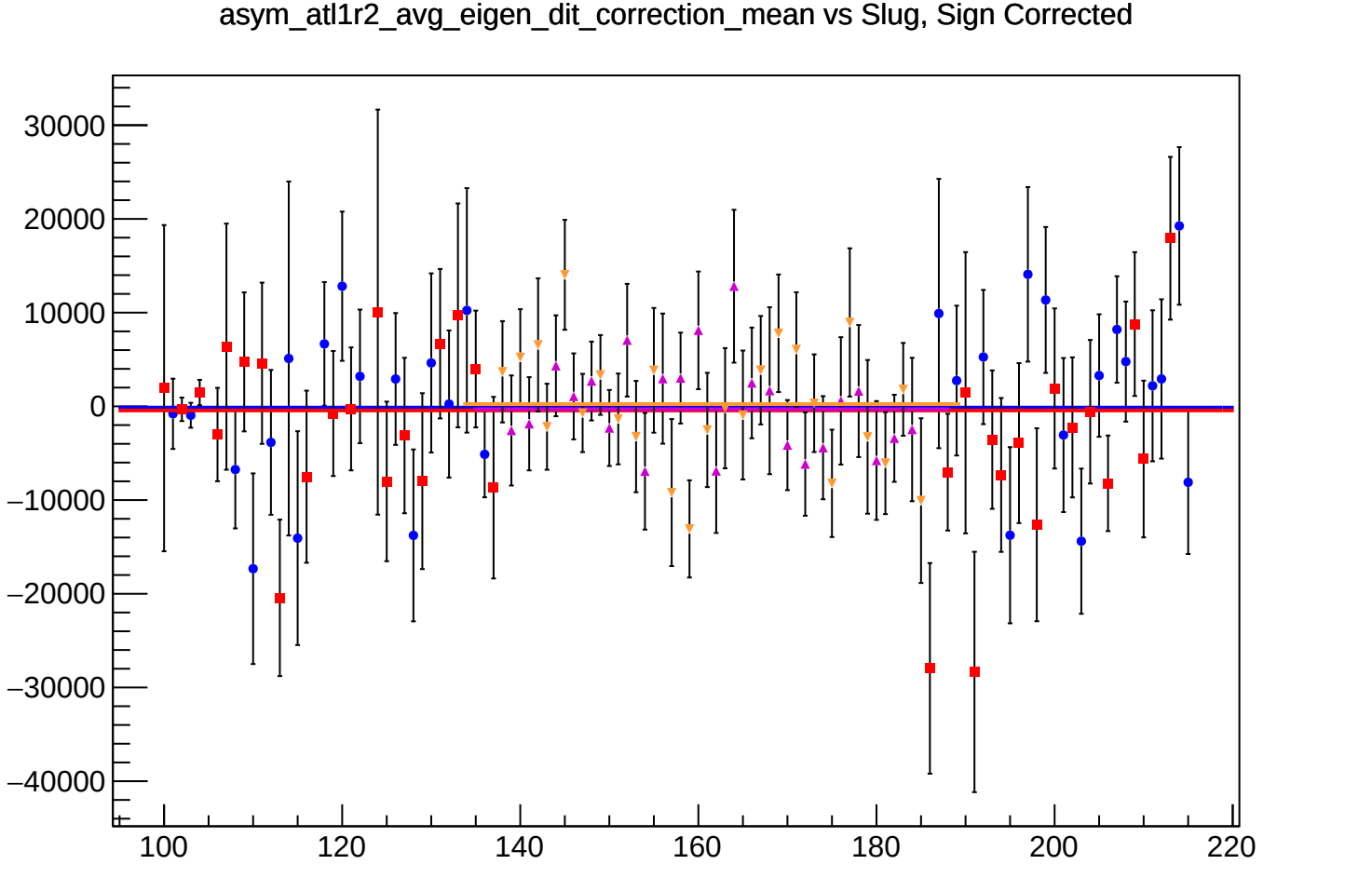
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

Right: 1876.624+/-0.217 χ^2/NDF: 775349.9/64

In: 1804.092+/-0.208 χ^2/NDF:369238.6/53

Out: 1797.064+/-0.207 χ^2/NDF:773331.3/58

All: 1800.555+/-0.147 χ^2/NDF: 1143141.9/11



Right In: -132.023+/-945.097 χ^2/NDF: 35.5/30

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -437.456+/-775.167 χ^2/NDF: 37.3/33

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

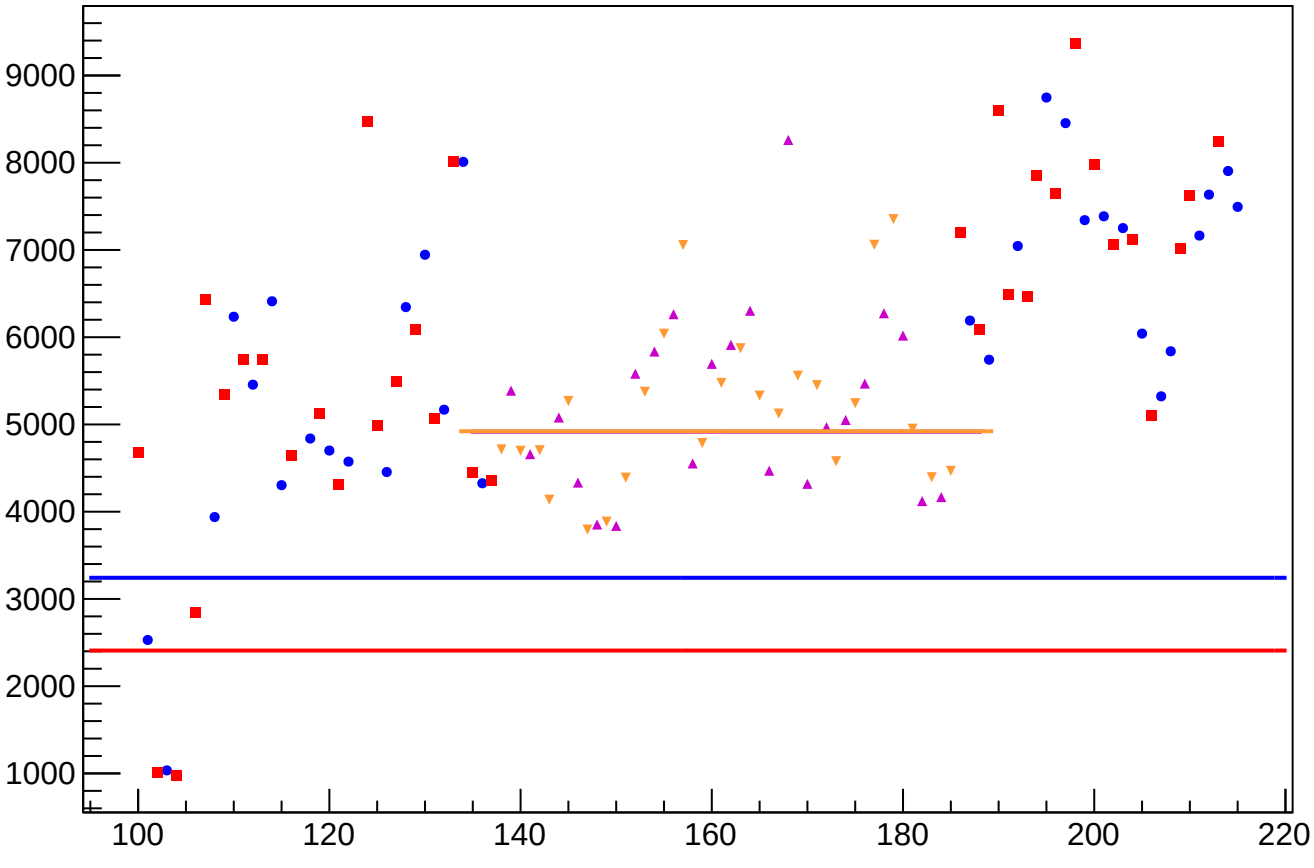
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -314.619+/-599.353 χ^2/NDF: 72.9/64

In: -200.690+/-735.453 χ^2/NDF:50.0/53

Out: -223.152+/-641.186 χ^2/NDF:64.3/58

All: -213.452+/-483.301 χ^2/NDF: 114.3/112



Right In: 3242.457+/-0.668 χ^2/NDF: 14314392.9/30

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2408.440+/-0.548 χ^2/NDF: 18494058.9/33

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

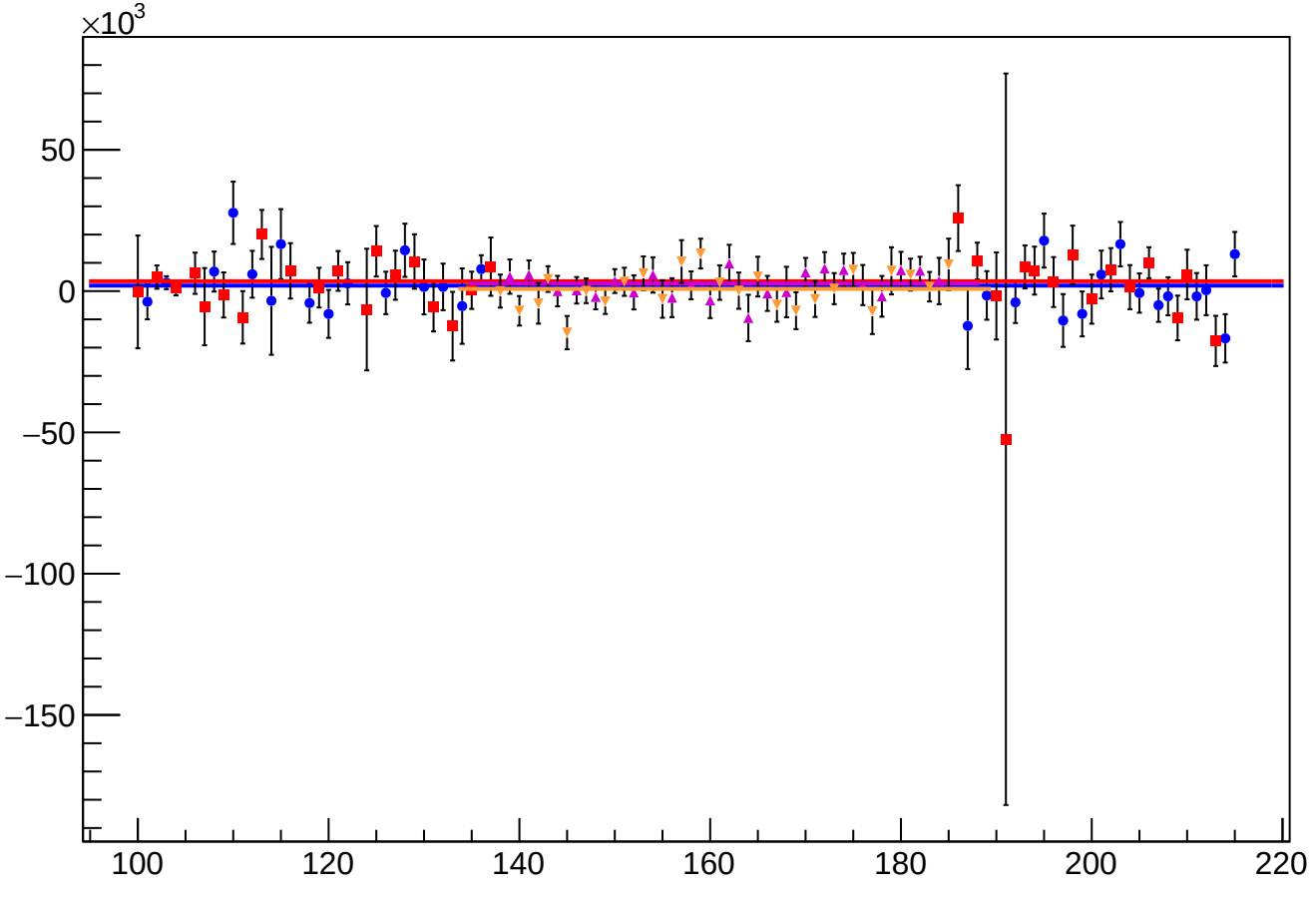
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2743.859+/-0.424 χ^2/NDF: 33739564.4/64

In: 3902.952+/-0.520 χ^2/NDF:17952527.8/53

Out: 3202.368+/-0.453 χ^2/NDF:26187664.2/58

All: 3504.911+/-0.342 χ^2/NDF: 45171310.1/1



Right In: 1937.967+/-1234.709 χ^2/NDF: 34.9/30

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3495.614+/-1264.778 χ^2/NDF: 30.9/33

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

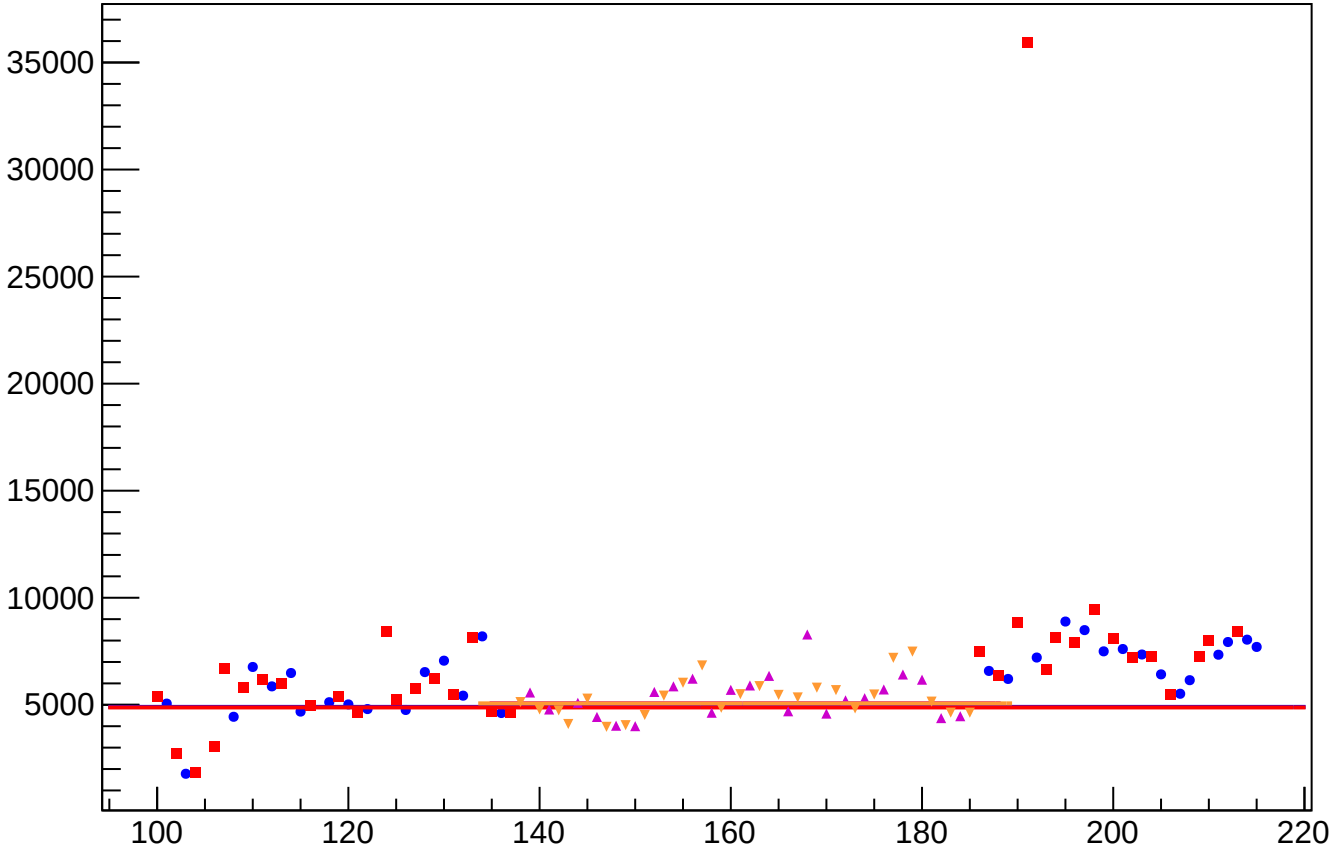
Right: 2698.055+/-883.511 χ^2/NDF: 66.6/64

In: 2330.688+/-862.845 χ^2/NDF:47.0/53

Out: 2038.806+/-859.645 χ^2/NDF:61.0/58

All: 2184.205+/-608.989 χ^2/NDF: 108.0/112

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4902.773+/-0.873 χ^2/NDF: 6763228.7/30

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4876.758+/-0.888 χ^2/NDF: 6763754.9/33

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

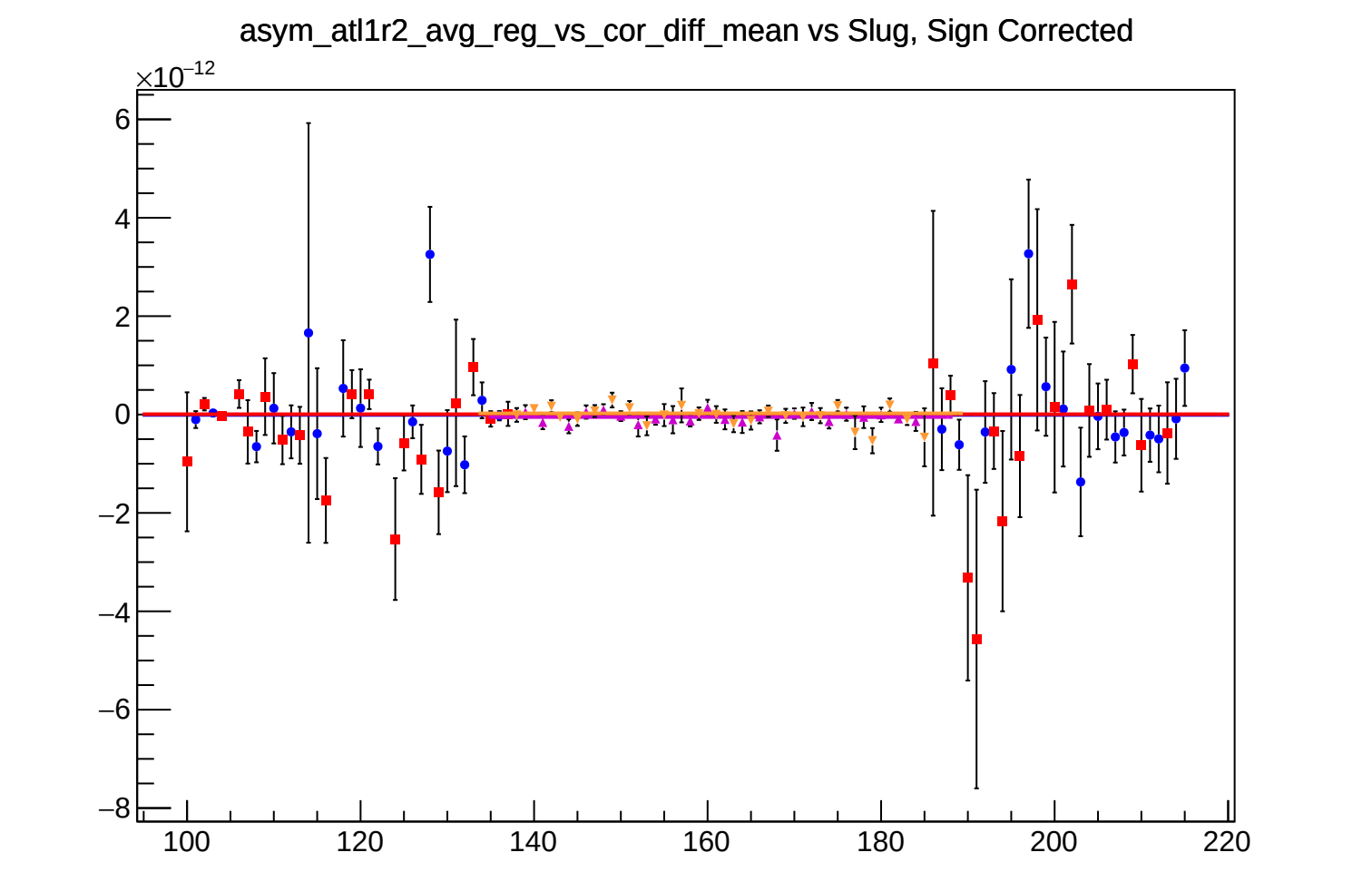
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 4889.991+/-0.623 χ^2/NDF: 13527419.8/64

In: 4993.304+/-0.610 χ^2/NDF:7785485.1/53

Out: 4978.962+/-0.606 χ^2/NDF:7742761.8/58

All: 4986.084+/-0.430 χ^2/NDF: 15528525.1/1



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/33

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

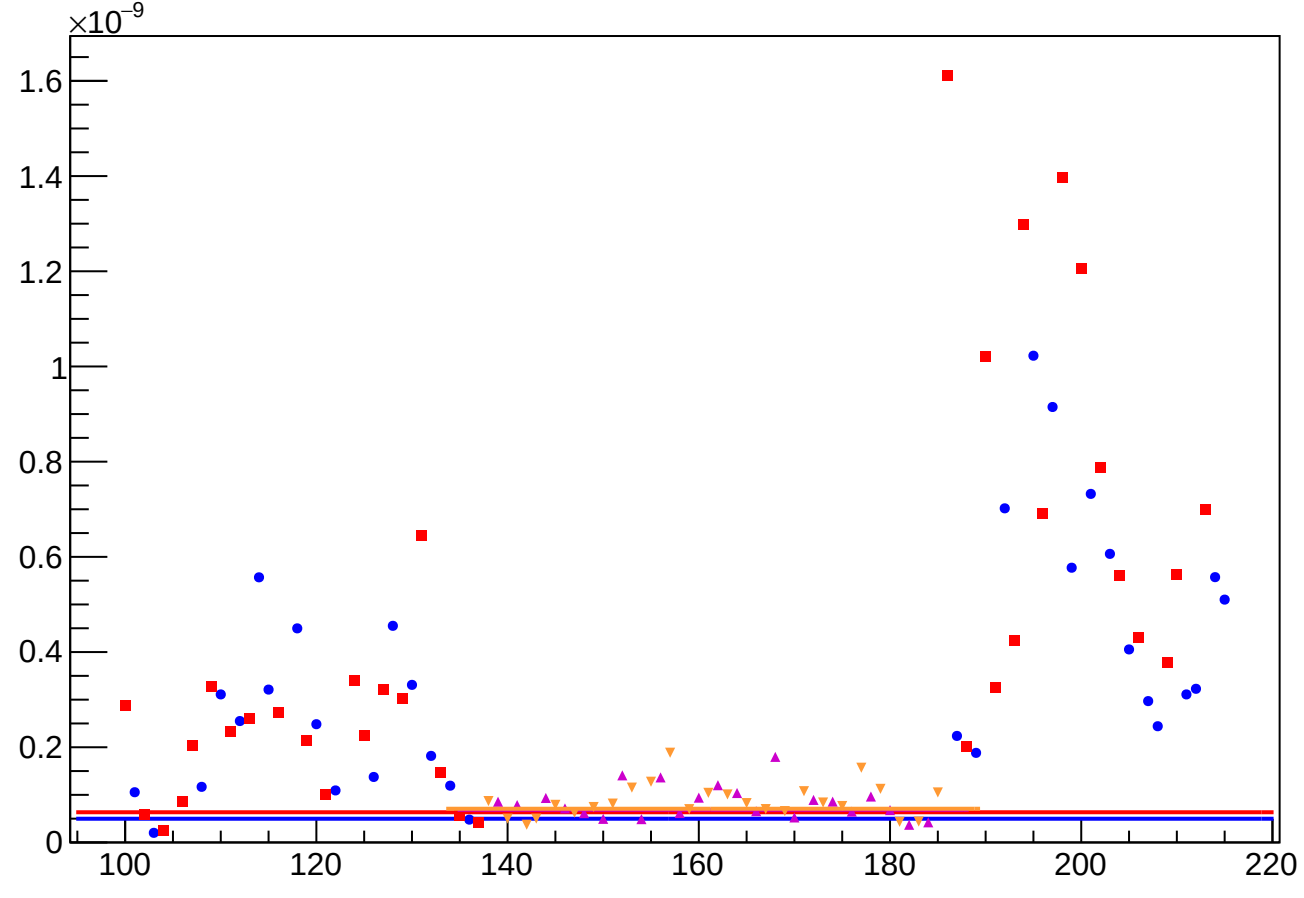
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 83.3/64

In: -0.000+/-0.000 χ^2/NDF:49.8/53

Out: 0.000+/-0.000 χ^2/NDF:69.1/58

All: -0.000+/-0.000 χ^2/NDF: 121.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 11014565.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11616009.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

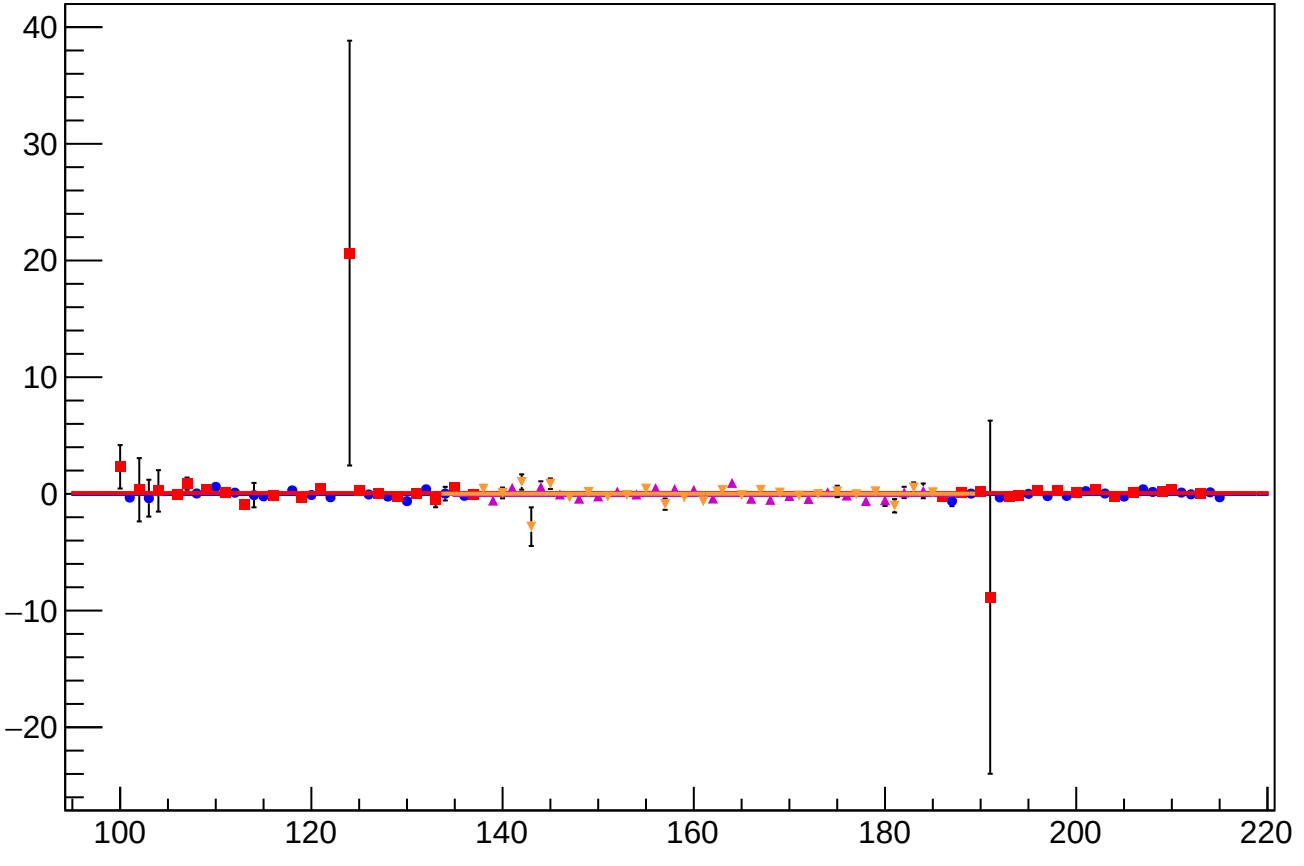
Right: 0.000+/-0.000 χ^2/NDF: 22746442.1/64

In: 0.000+/-0.000 χ^2/NDF:12786586.3/53

Out: 0.000+/-0.000 χ^2/NDF:13144597.8/58

All: 0.000+/-0.000 χ^2/NDF: 26032432.8/112

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.046 χ^2/NDF: 28.8/30

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.071+/-0.046 χ^2/NDF: 32.0/33

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

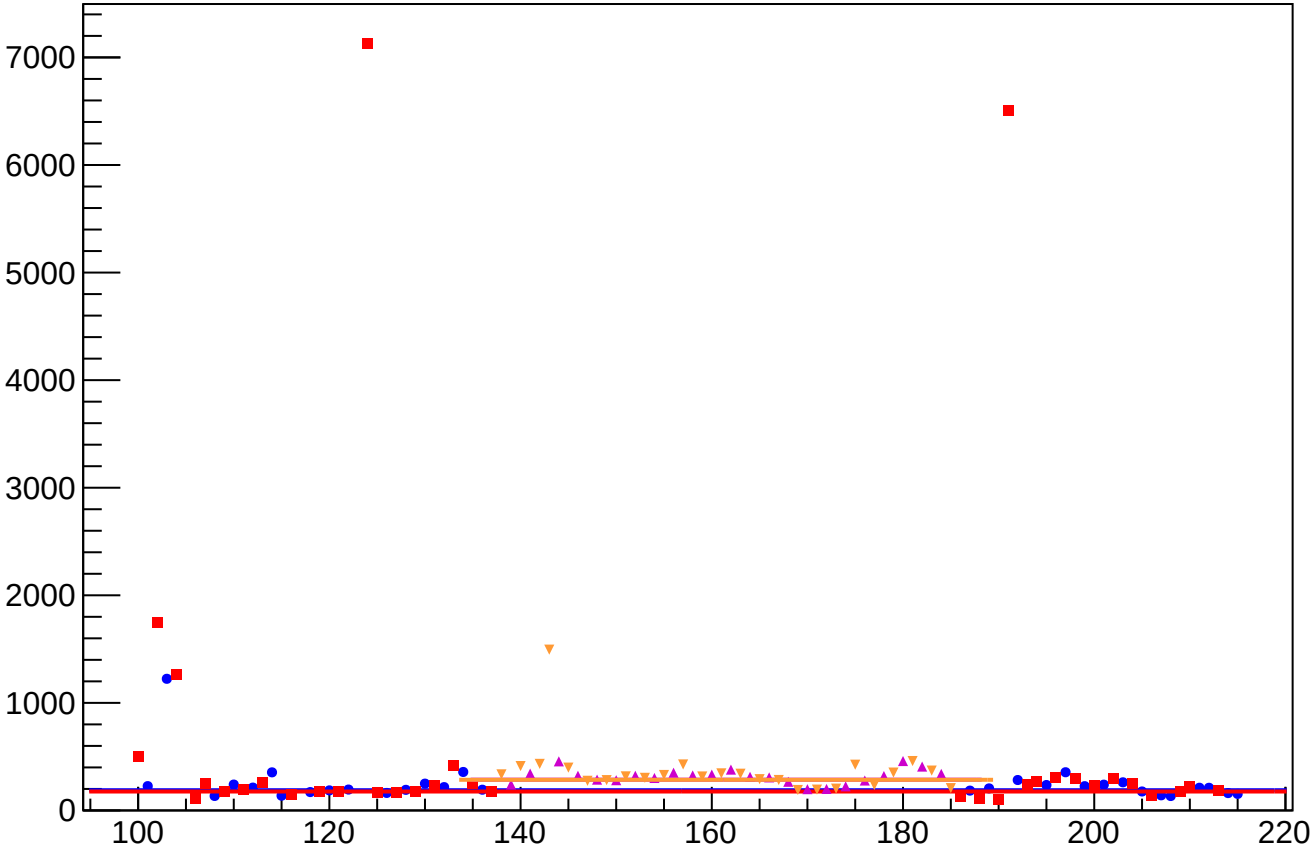
Right: 0.033+/-0.033 χ^2/NDF: 62.1/64

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.012+/-0.027 χ^2/NDF: 123.8/112

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 188.219+/-0.033 χ^2/NDF: 2885992.2/30

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 176.050+/-0.032 χ^2/NDF: 5440178.4/33

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

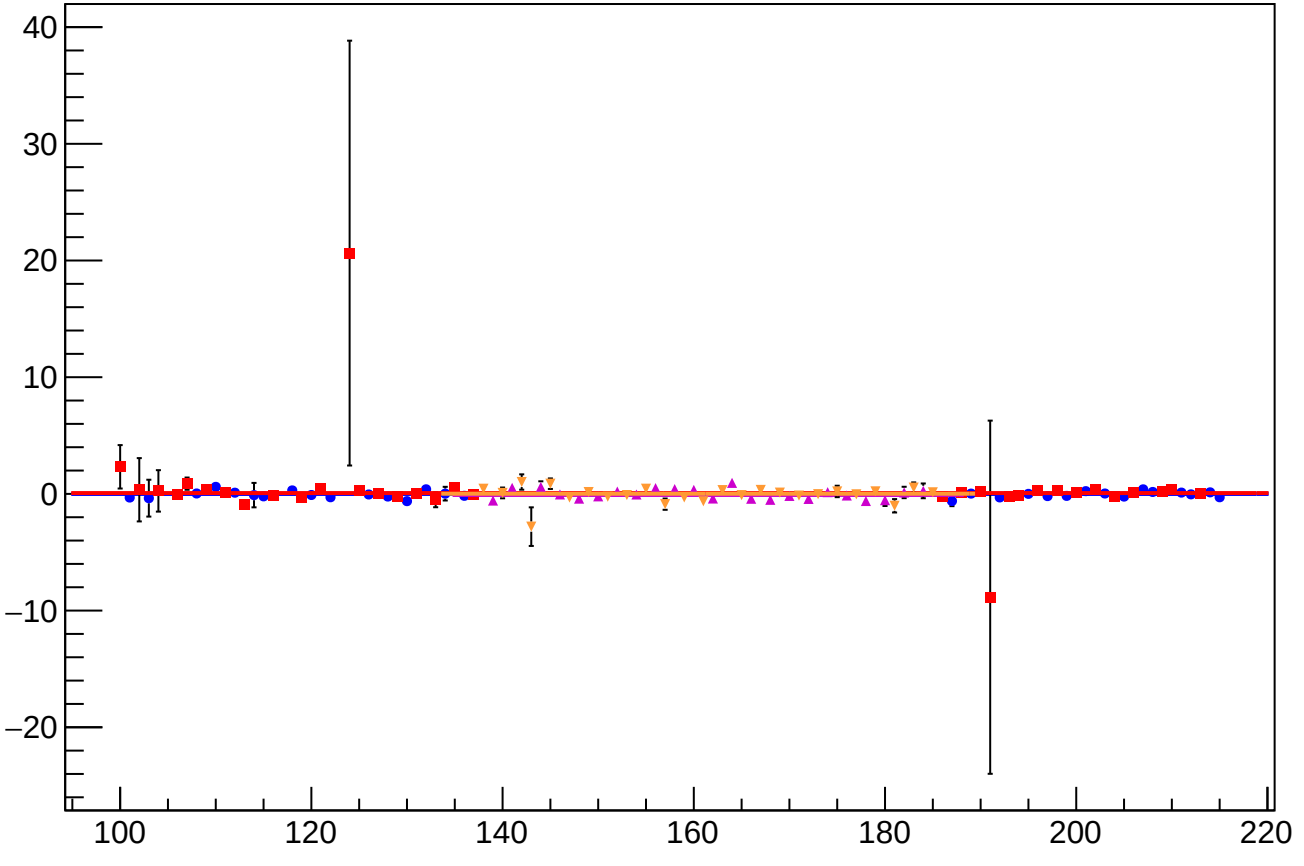
Right: 182.093+/-0.023 χ^2/NDF: 8396037.9/64

In: 217.598+/-0.027 χ^2/NDF:7319592.8/53

Out: 208.917+/-0.027 χ^2/NDF:12250706.2/58

All: 213.226+/-0.019 χ^2/NDF: 19621187.8/1

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.046 χ^2/NDF: 28.8/30

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.071+/-0.046 χ^2/NDF: 32.0/33

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

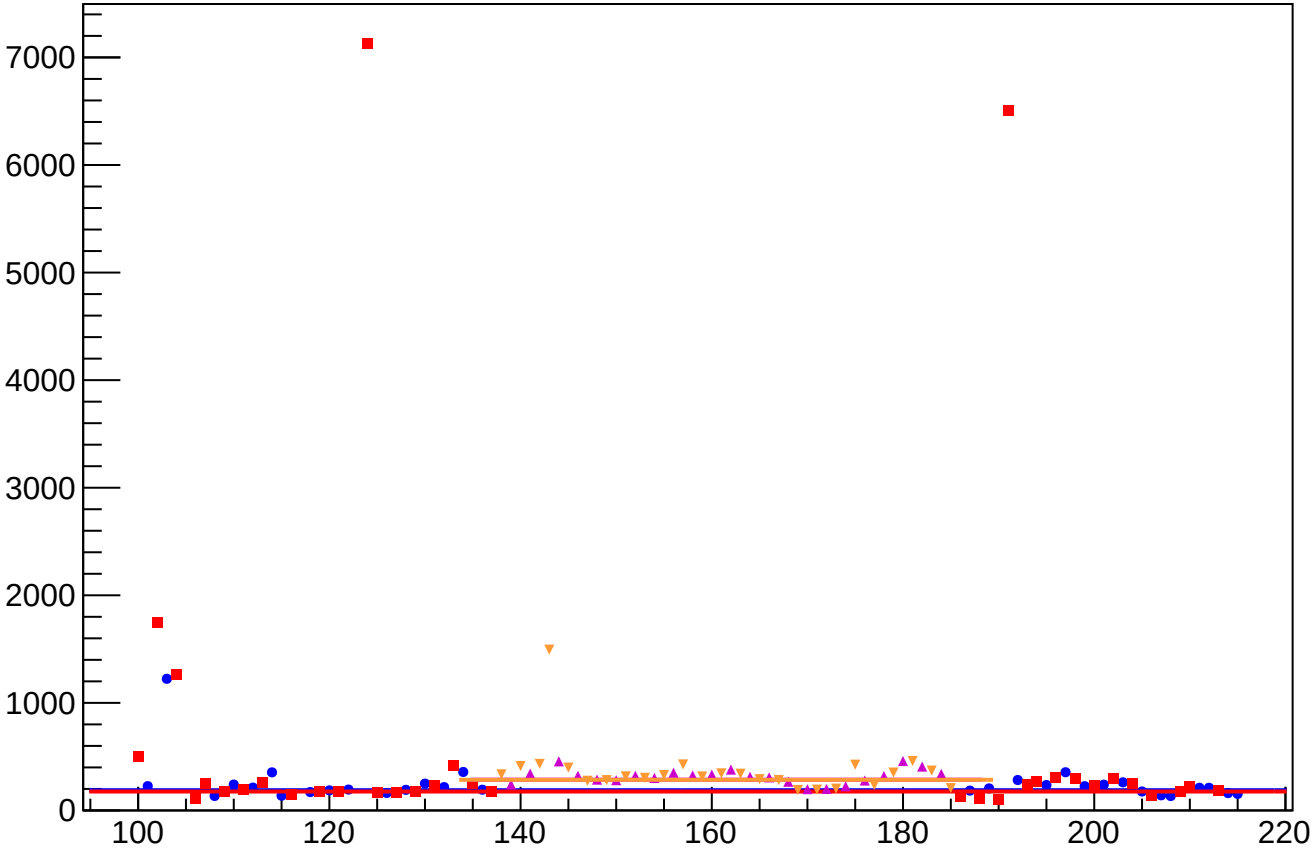
Right: 0.033+/-0.033 χ^2/NDF: 62.1/64

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.012+/-0.027 χ^2/NDF: 123.8/112

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 188.219+/-0.033 χ^2/NDF: 2885992.2/30

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 176.050+/-0.032 χ^2/NDF: 5440178.4/33

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

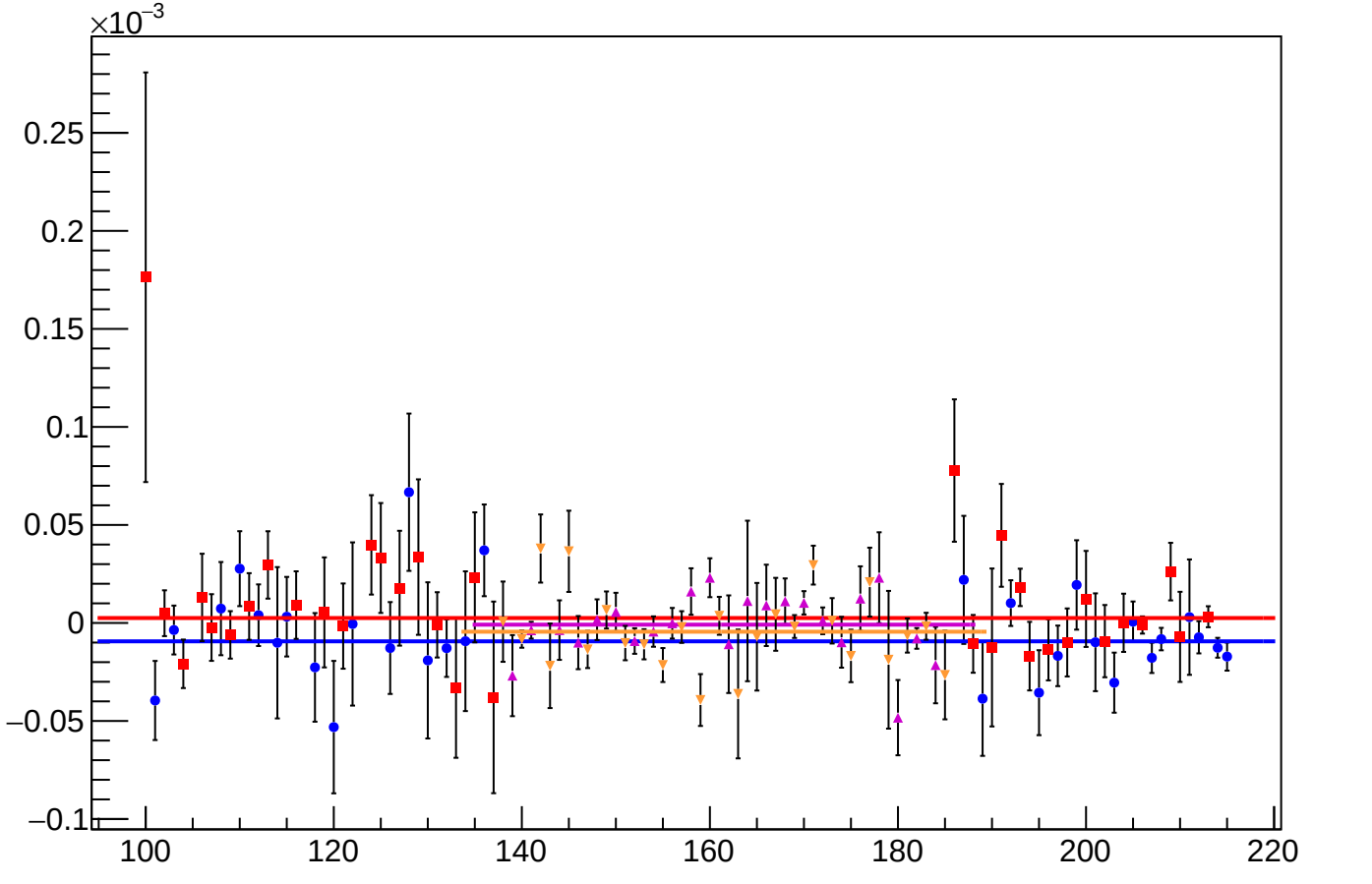
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 182.093+/-0.023 χ^2/NDF: 8396037.9/64

In: 217.598+/-0.027 χ^2/NDF:7319592.8/53

Out: 208.917+/-0.027 χ^2/NDF:12250706.2/58

All: 213.226+/-0.019 χ^2/NDF: 19621187.8/1



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.7/33

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

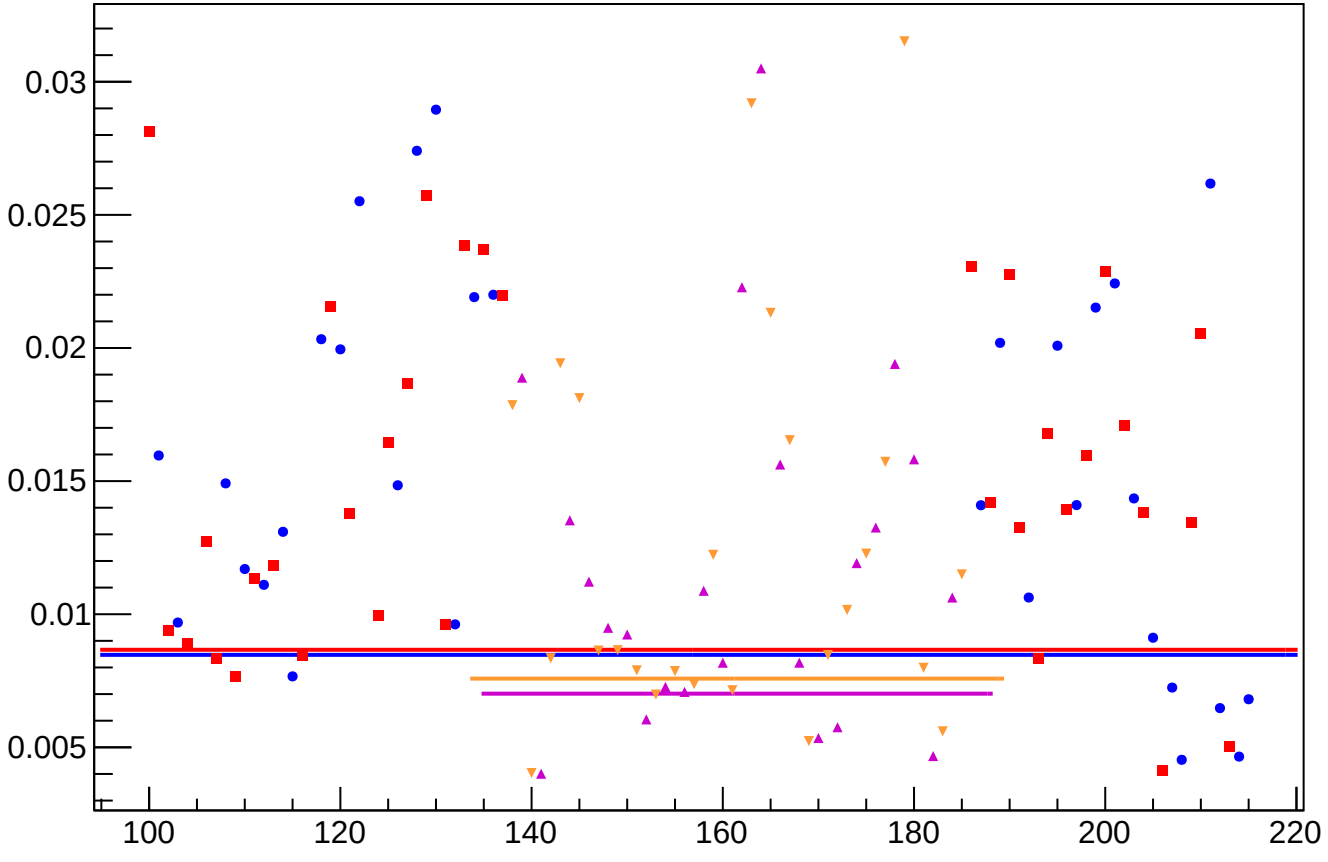
Right: -0.000+/-0.000 χ^2/NDF: 78.1/64

In: -0.000+/-0.000 χ^2/NDF:68.4/53

Out: -0.000+/-0.000 χ^2/NDF:82.8/58

All: -0.000+/-0.000 χ^2/NDF: 152.9/112

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 9569699.5/30

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.009+/-0.000 χ^2/NDF: 9546927.6/33

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

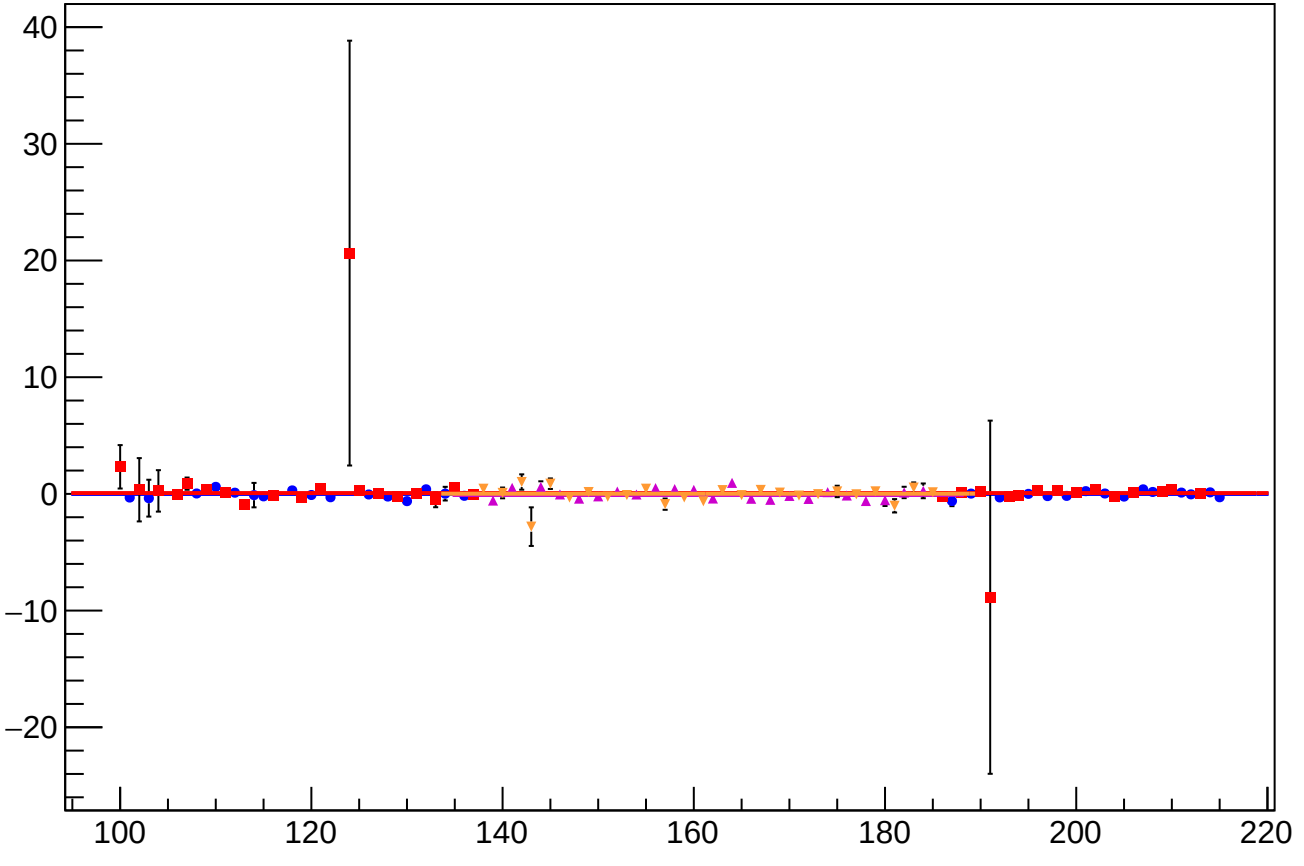
Right: 0.009+/-0.000 χ^2/NDF: 19123340.5/64

In: 0.008+/-0.000 χ^2/NDF:16785738.5/53

Out: 0.008+/-0.000 χ^2/NDF:17148285.9/58

All: 0.008+/-0.000 χ^2/NDF: 34013770.9/112

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.046 χ^2/NDF: 28.8/30

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.071+/-0.046 χ^2/NDF: 32.0/33

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

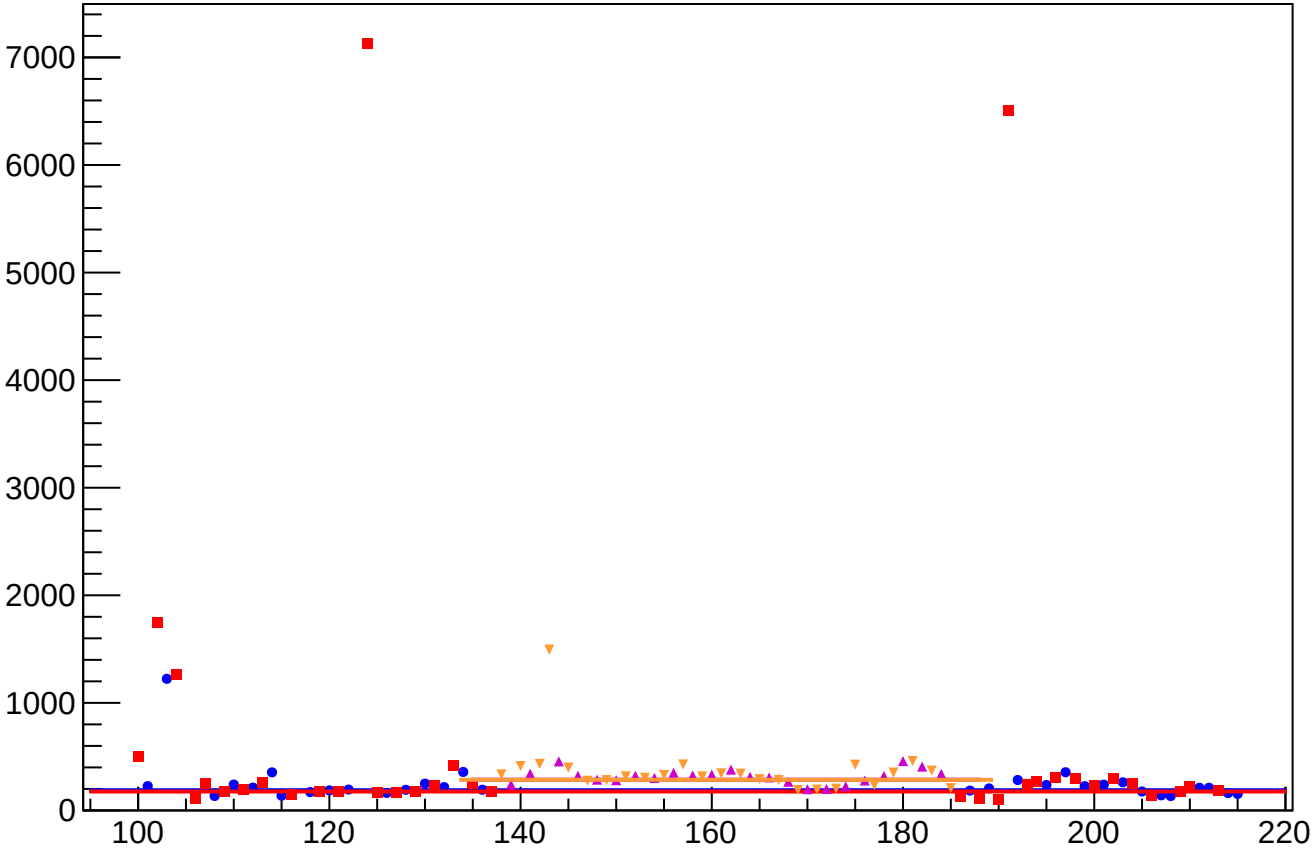
Right: 0.033+/-0.033 χ^2/NDF: 62.1/64

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.012+/-0.027 χ^2/NDF: 123.8/112

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 188.218+/-0.033 χ^2/NDF: 2886009.2/30

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 176.048+/-0.032 χ^2/NDF: 5440322.4/33

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

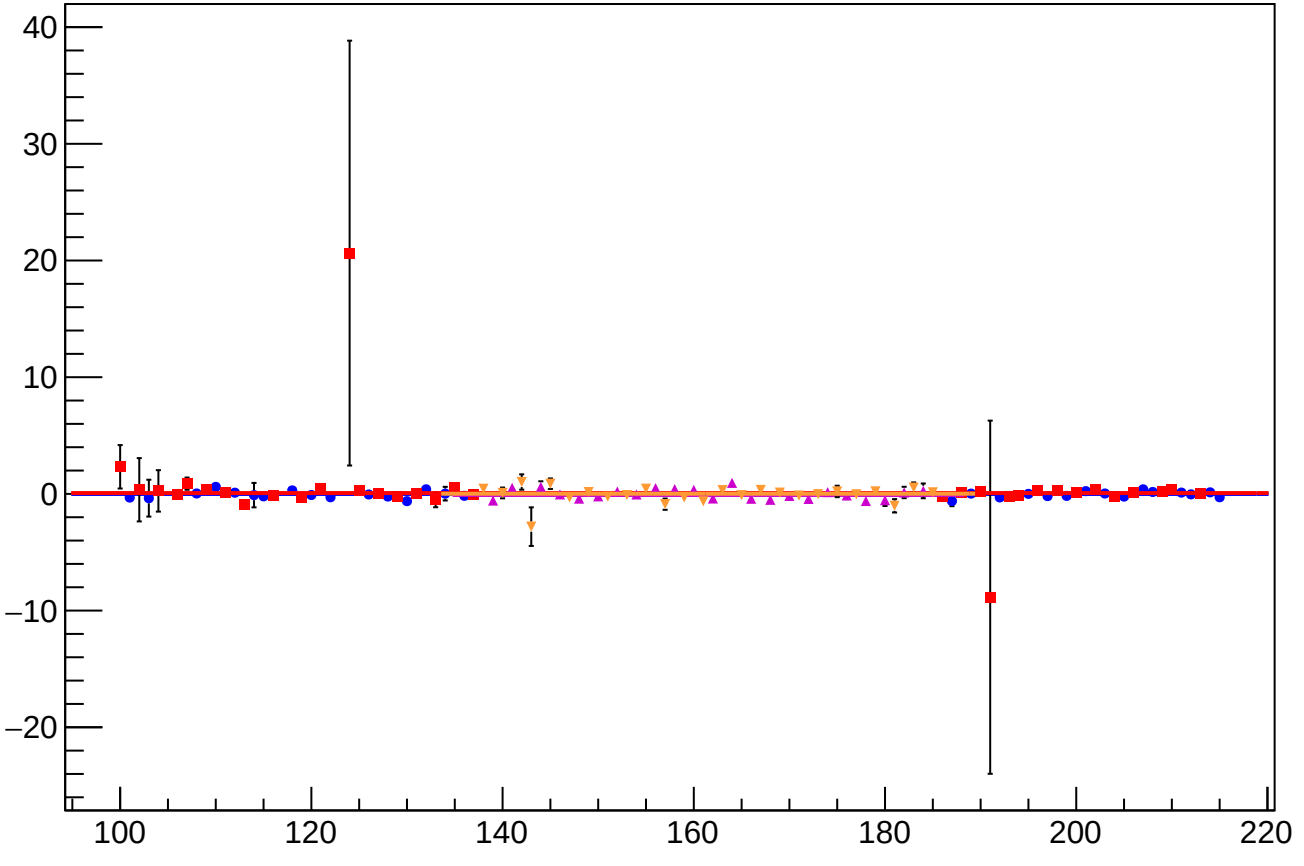
Right: 182.091+/-0.023 χ^2/NDF: 8396216.1/64

In: 217.598+/-0.027 χ^2/NDF:7319817.3/53

Out: 208.915+/-0.027 χ^2/NDF:12251181.8/58

All: 213.225+/-0.019 χ^2/NDF: 19621903.0/11

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.046 χ^2/NDF: 28.8/30

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.071+/-0.046 χ^2/NDF: 32.0/33

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

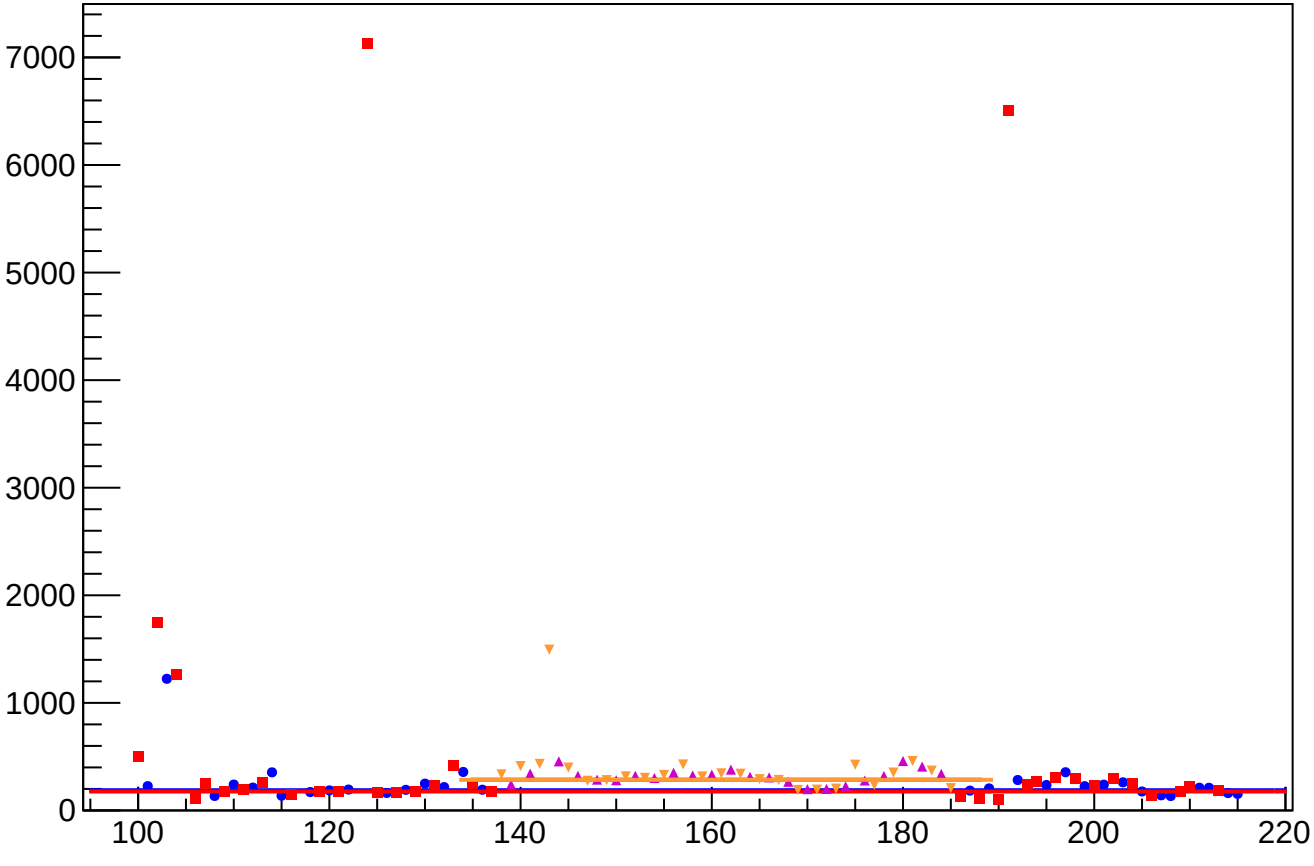
Right: 0.033+/-0.033 χ^2/NDF: 62.1/64

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.054+/-0.038 χ^2/NDF:60.7/58

All: 0.012+/-0.027 χ^2/NDF: 123.8/112

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 188.218+/-0.033 χ^2/NDF: 2886009.2/30

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 176.048+/-0.032 χ^2/NDF: 5440322.4/33

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

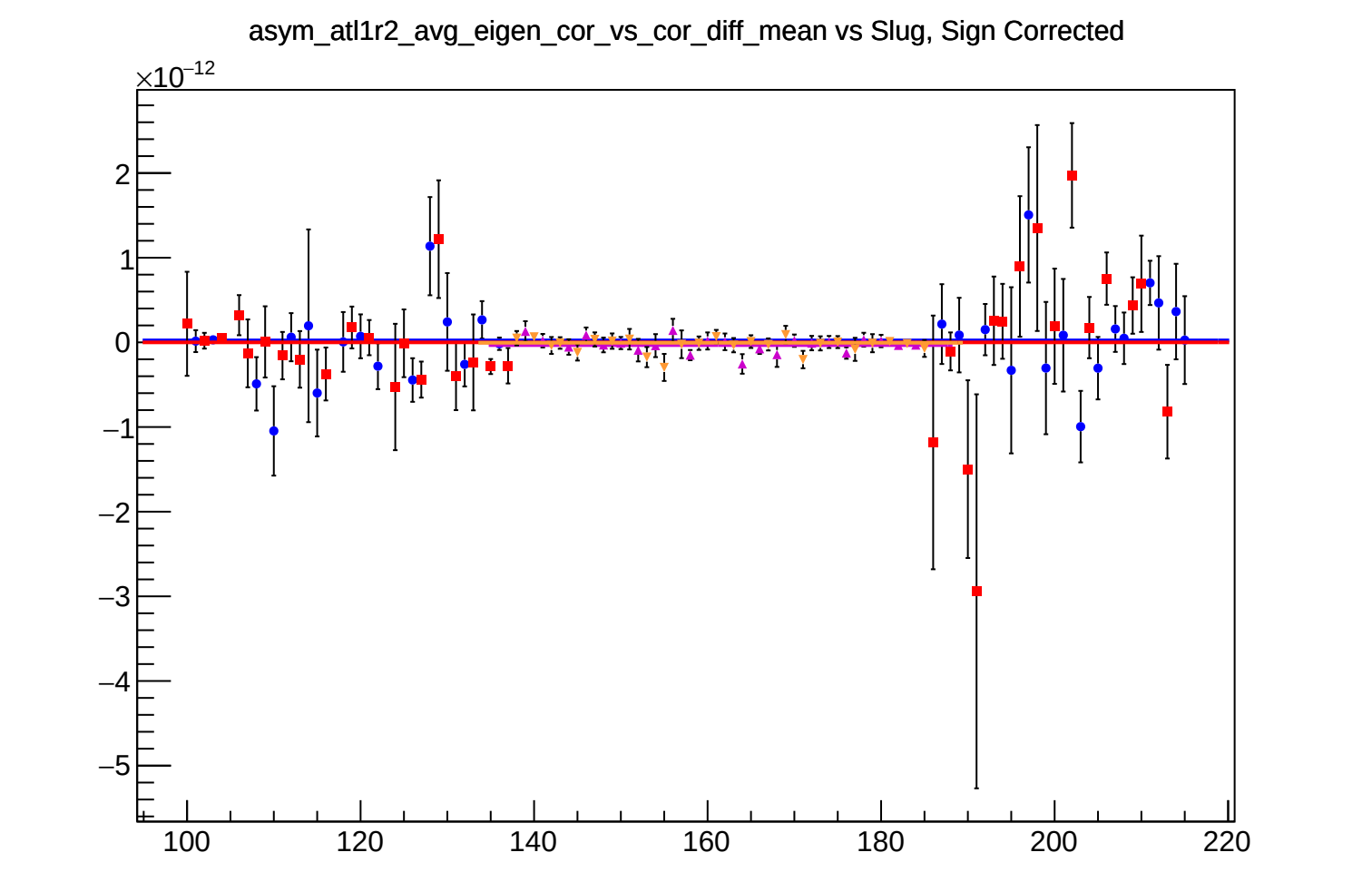
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 182.091+/-0.023 χ^2/NDF: 8396216.1/64

In: 217.598+/-0.027 χ^2/NDF:7319817.3/53

Out: 208.915+/-0.027 χ^2/NDF:12251181.8/58

All: 213.225+/-0.019 χ^2/NDF: 19621903.0/11



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 56.7/33

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

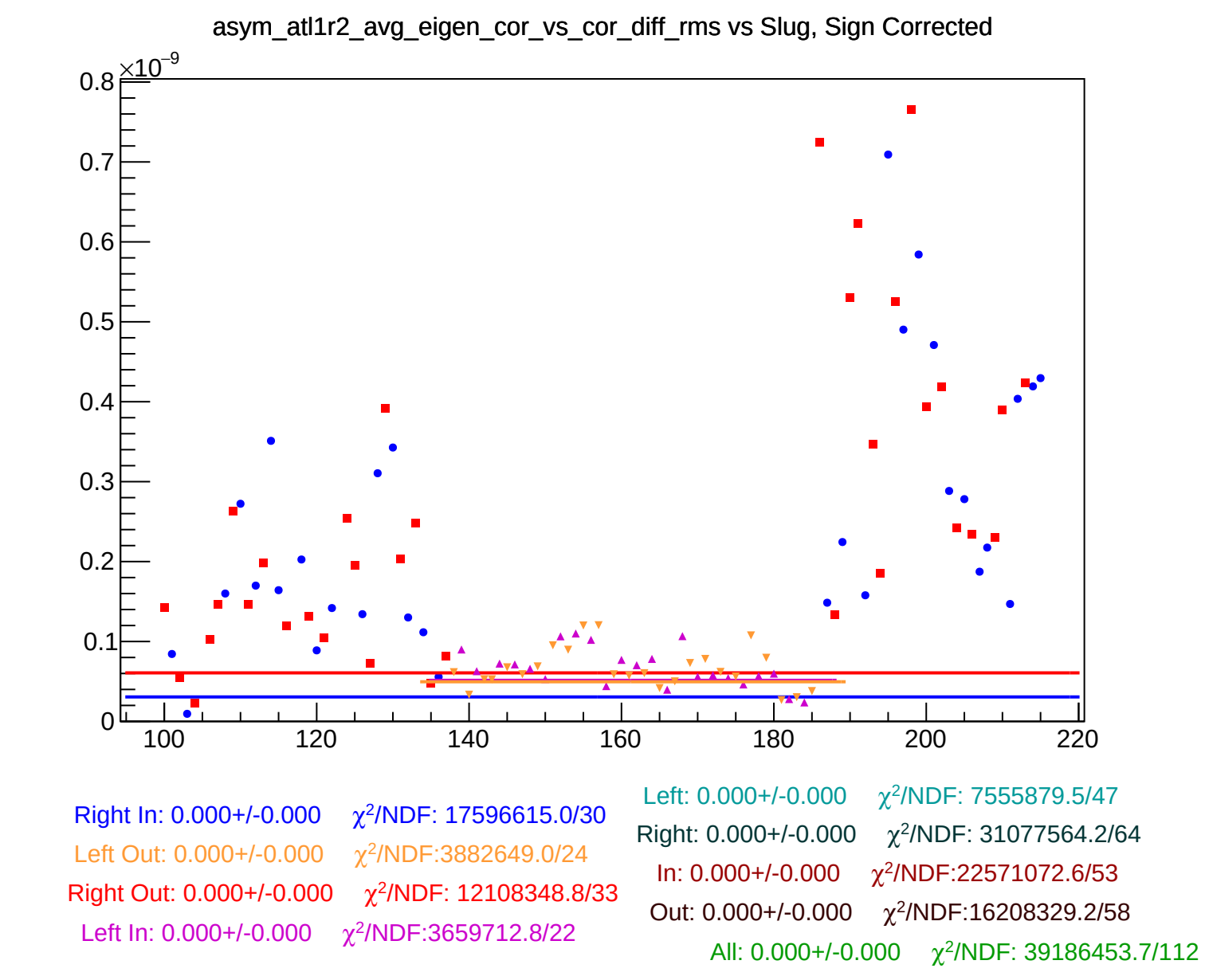
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: 0.000+/-0.000 χ^2/NDF: 95.3/64

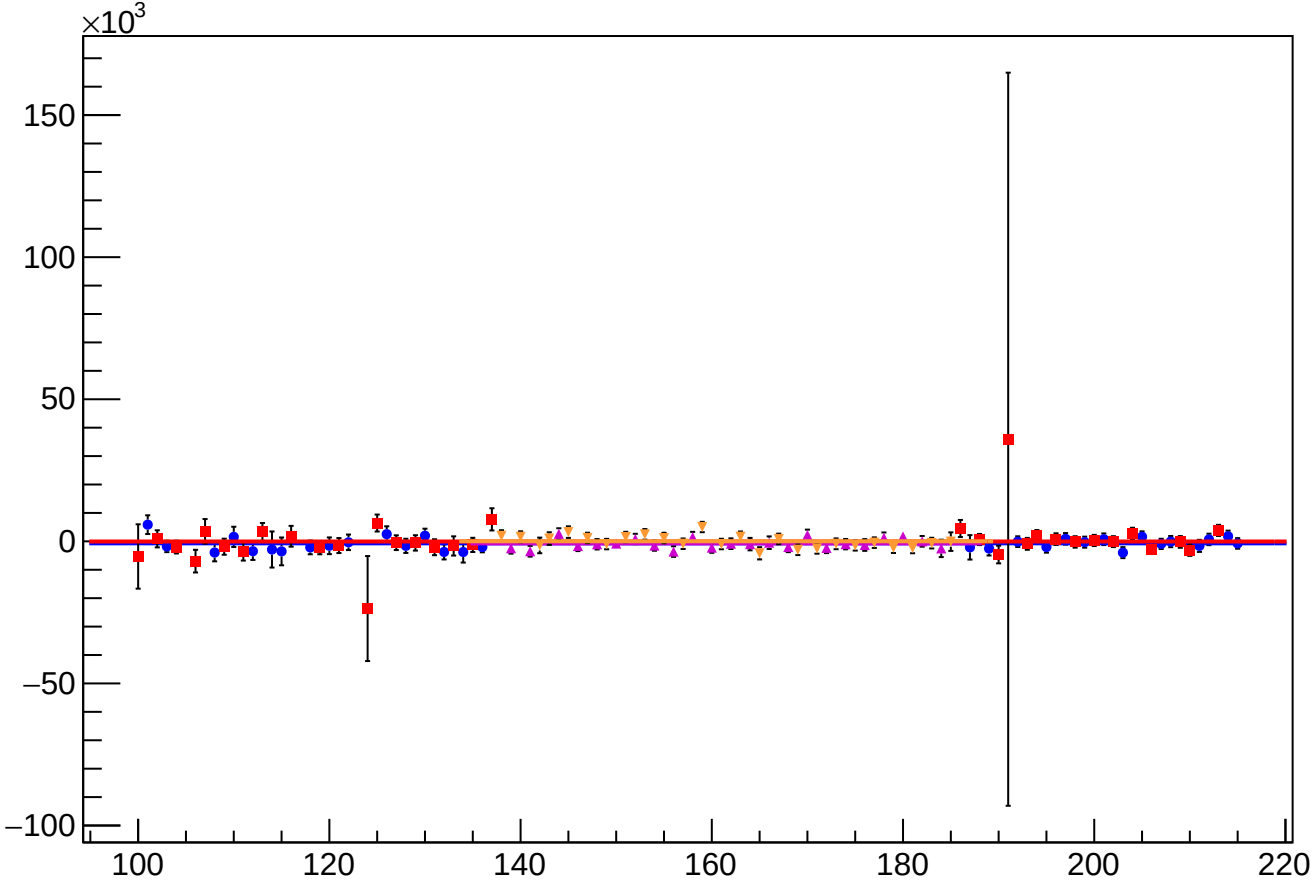
In: -0.000+/-0.000 χ^2/NDF:61.6/53

Out: -0.000+/-0.000 χ^2/NDF:73.3/58

All: -0.000+/-0.000 χ^2/NDF: 135.0/112


asym_atl1r2_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: 17596615.0/30
Left Out: 0.000+/-0.000 χ²/NDF:3882649.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 12108348.8/33
Left In: 0.000+/-0.000 χ²/NDF:3659712.8/22
Left: 0.000+/-0.000 χ²/NDF: 7555879.5/47
Right: 0.000+/-0.000 χ²/NDF: 31077564.2/64
In: 0.000+/-0.000 χ²/NDF:22571072.6/53
Out: 0.000+/-0.000 χ²/NDF:16208329.2/58
All: 0.000+/-0.000 χ²/NDF: 39186453.7/112

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -698.679+/-418.624 χ^2/NDF: 21.6/30

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -51.131+/-432.121 χ^2/NDF: 37.8/33

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

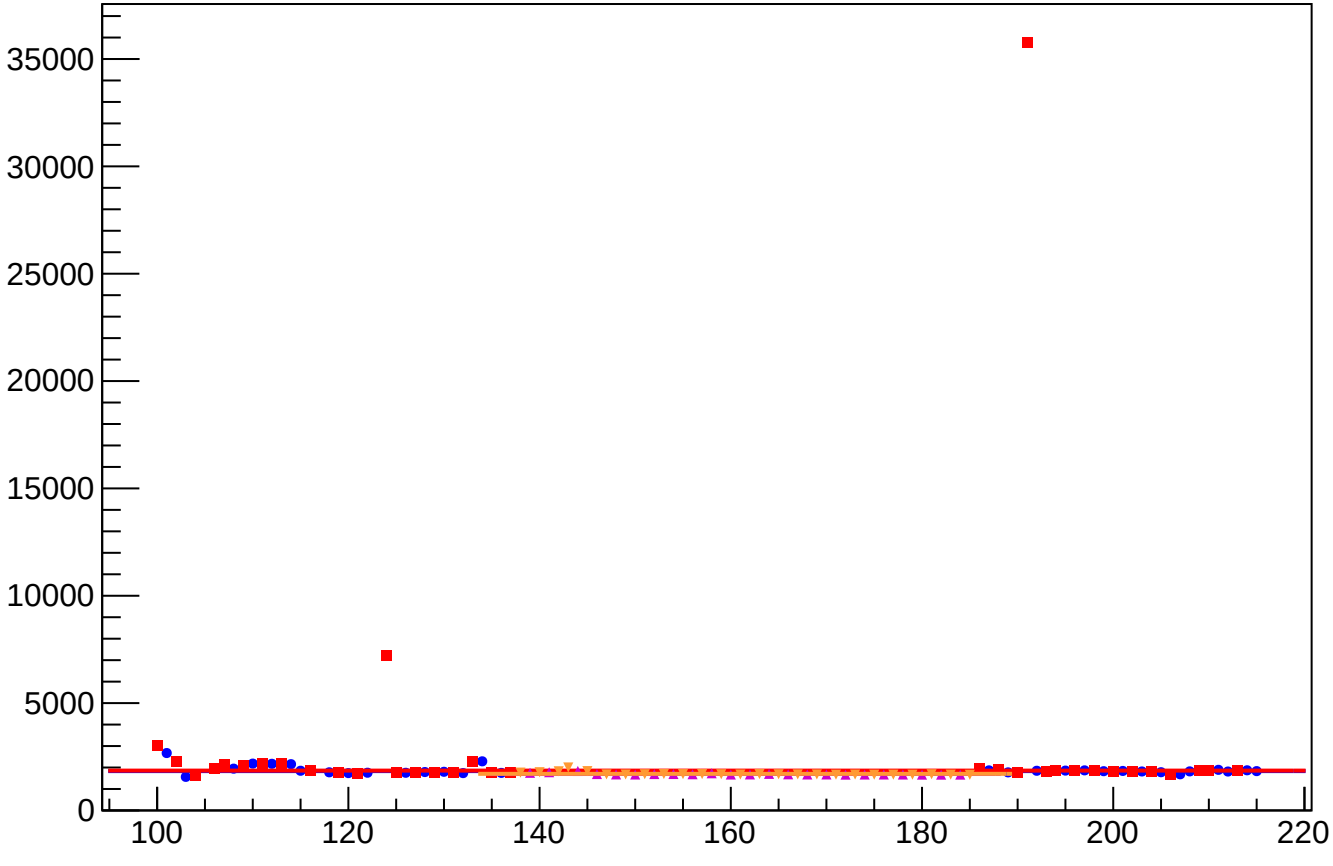
Right: -385.175+/-300.670 χ^2/NDF: 60.6/64

In: -709.658+/-287.852 χ^2/NDF:40.7/53

Out: -10.000+/-288.589 χ^2/NDF:67.3/58

All: -360.724+/-203.802 χ^2/NDF: 110.9/112

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1832.710+/-0.296 χ^2/NDF: 281543.8/30

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.194+/-0.305 χ^2/NDF: 535903.8/33

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

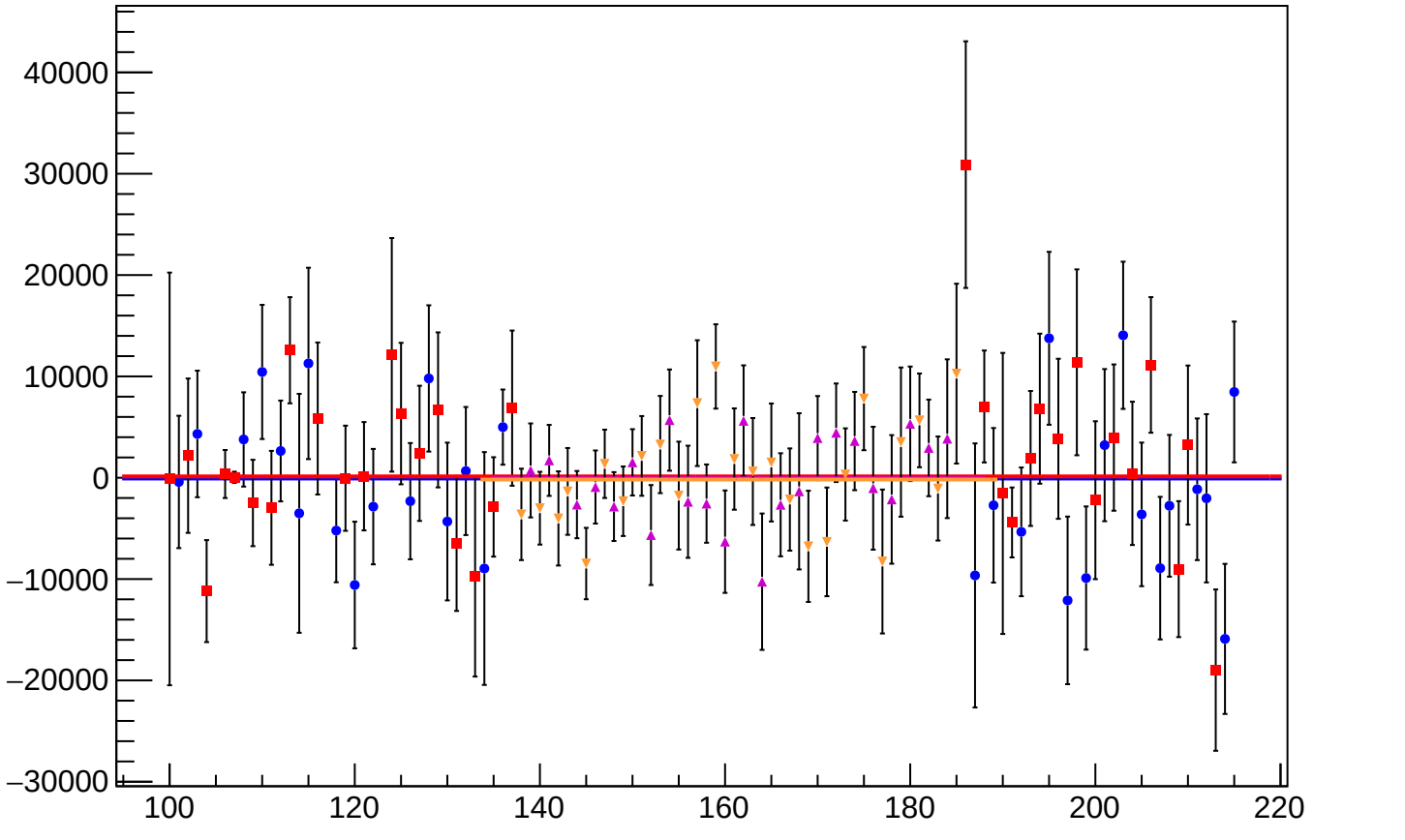
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.090+/-0.213 χ^2/NDF: 820497.6/64

In: 1761.437+/-0.204 χ^2/NDF:412659.9/53

Out: 1772.851+/-0.204 χ^2/NDF:730466.0/58

All: 1767.132+/-0.144 χ^2/NDF: 1144695.0/11



Right In: -76.171+/-1186.272 χ^2/NDF: 34.6/30

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 131.630+/-485.637 χ^2/NDF: 41.1/33

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

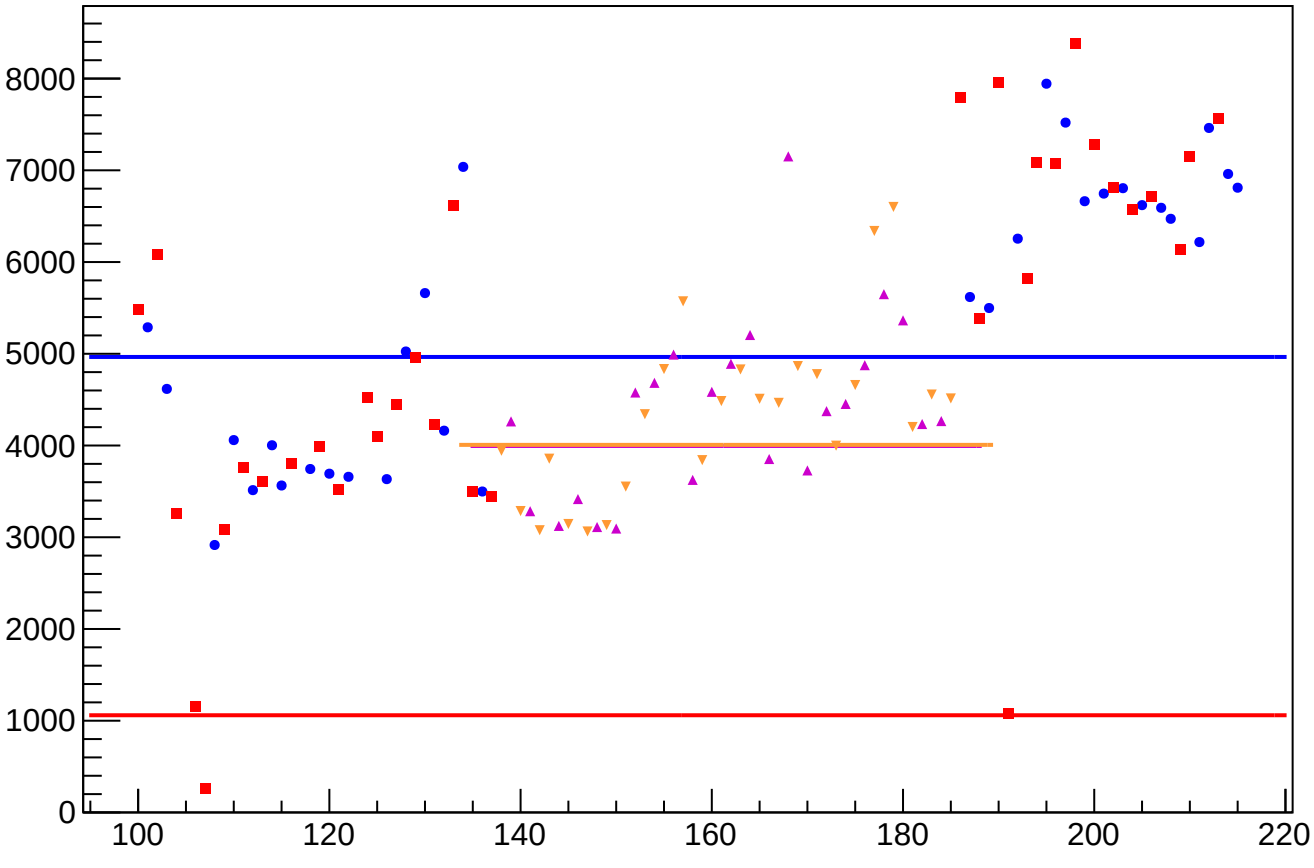
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 101.802+/-449.434 χ^2/NDF: 75.7/64

In: -64.218+/-744.552 χ^2/NDF:48.8/53

Out: 66.334+/-430.985 χ^2/NDF:69.1/58

All: 33.569+/-373.001 χ^2/NDF: 118.0/112



Right In: 4965.352+/-0.839 χ^2/NDF: 3229714.8/30

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1059.620+/-0.343 χ^2/NDF: 27597217.5/33

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

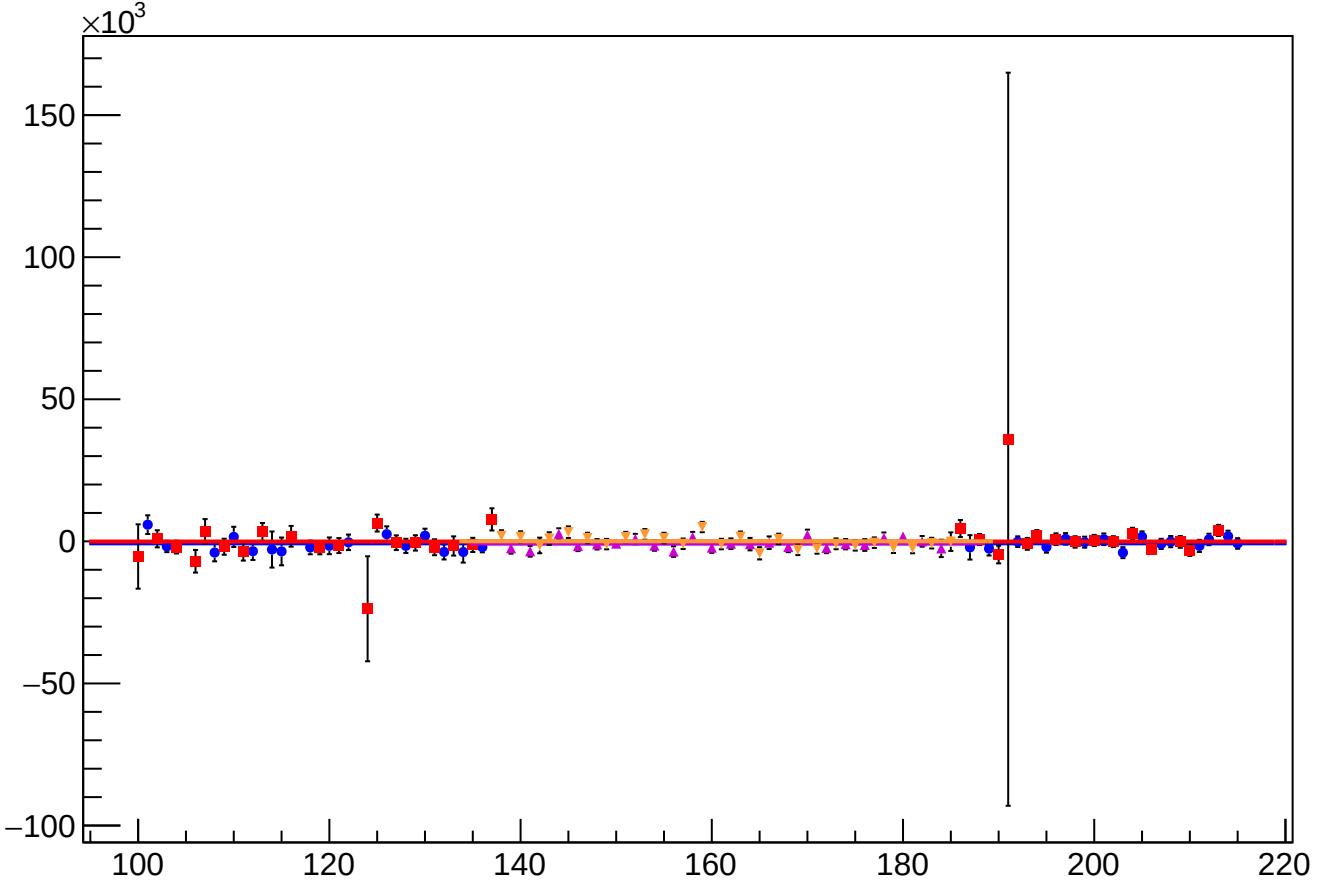
Right: 1620.236+/-0.318 χ^2/NDF: 49395353.7/64

In: 4377.237+/-0.526 χ^2/NDF:5578911.2/53

Out: 1685.666+/-0.305 χ^2/NDF:44748532.4/58

All: 2361.184+/-0.264 χ^2/NDF: 69904518.5/1

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -698.510+/-418.624 χ^2/NDF: 21.6/30

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -51.287+/-432.121 χ^2/NDF: 37.8/33

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

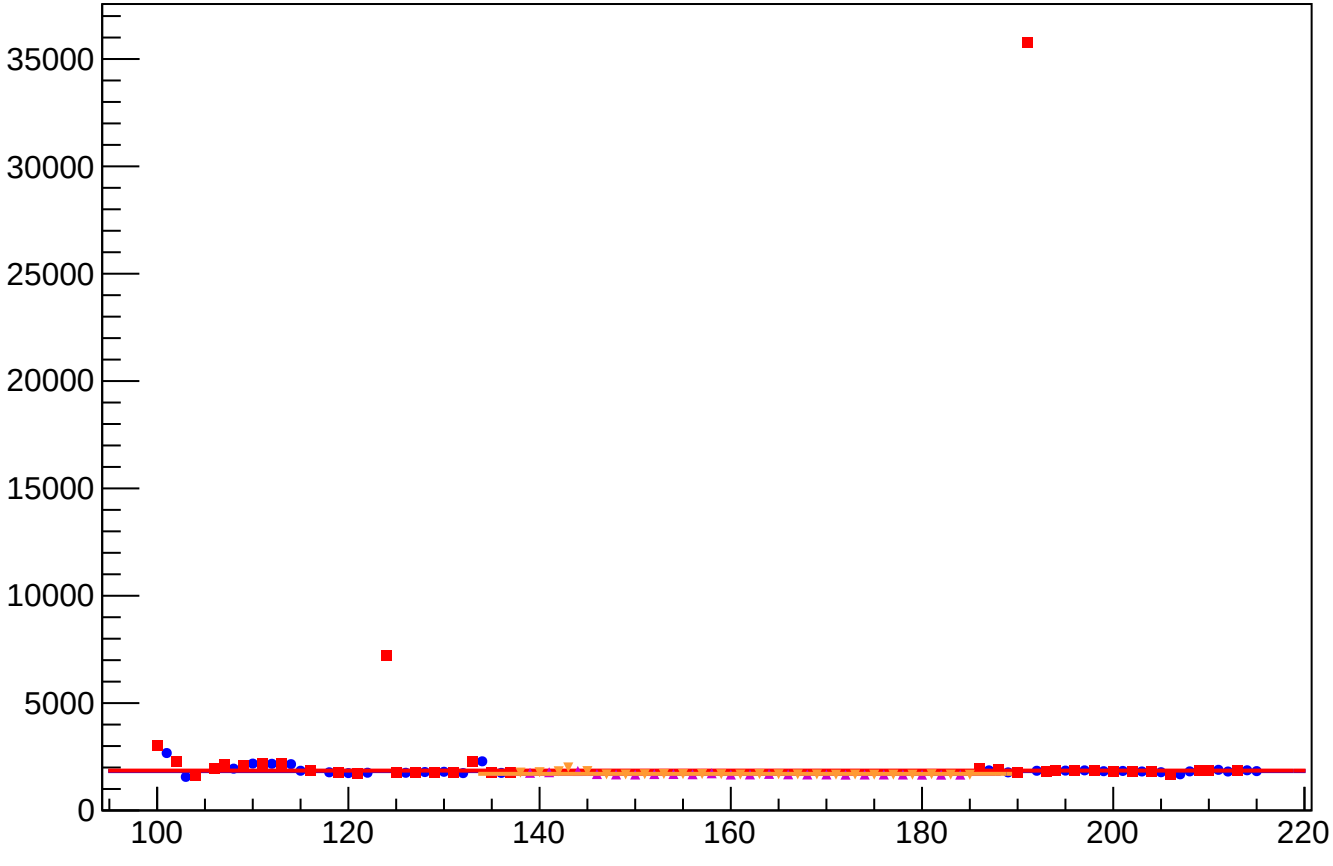
Right: -385.164+/-300.670 χ^2/NDF: 60.6/64

In: -709.513+/-287.852 χ^2/NDF:40.7/53

Out: -10.030+/-288.590 χ^2/NDF:67.3/58

All: -360.666+/-203.802 χ^2/NDF: 111.0/112

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1832.710+/-0.296 χ^2/NDF: 281543.0/30

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.361+/-0.305 χ^2/NDF: 536245.2/33

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

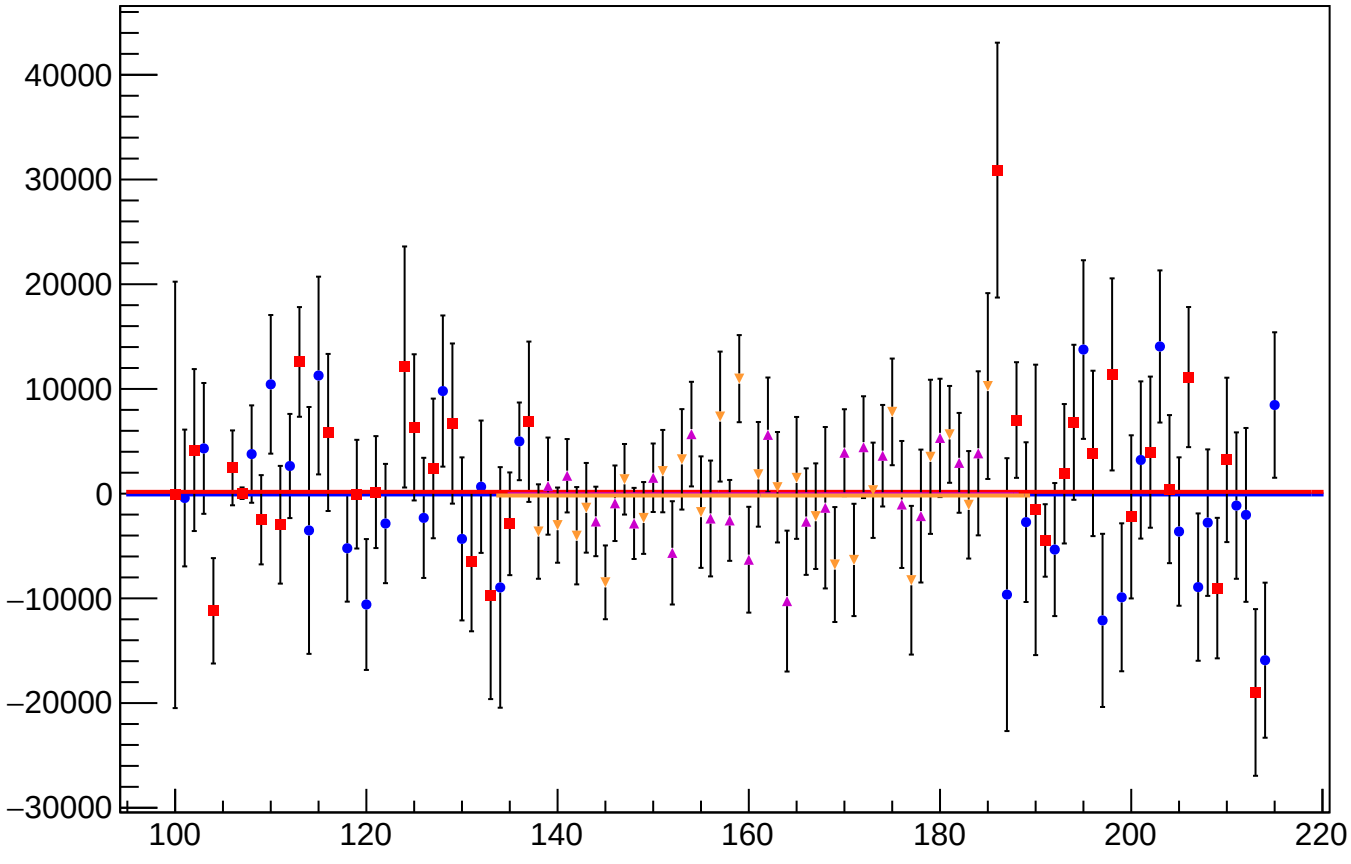
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1844.170+/-0.213 χ^2/NDF: 820881.3/64

In: 1761.437+/-0.204 χ^2/NDF:412659.3/53

Out: 1772.919+/-0.204 χ^2/NDF:731092.5/58

All: 1767.165+/-0.144 χ^2/NDF: 1145339.6/11



Right In: -76.241+/-1186.275 χ^2/NDF: 34.6/30

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 172.277+/-491.500 χ^2/NDF: 41.8/33

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

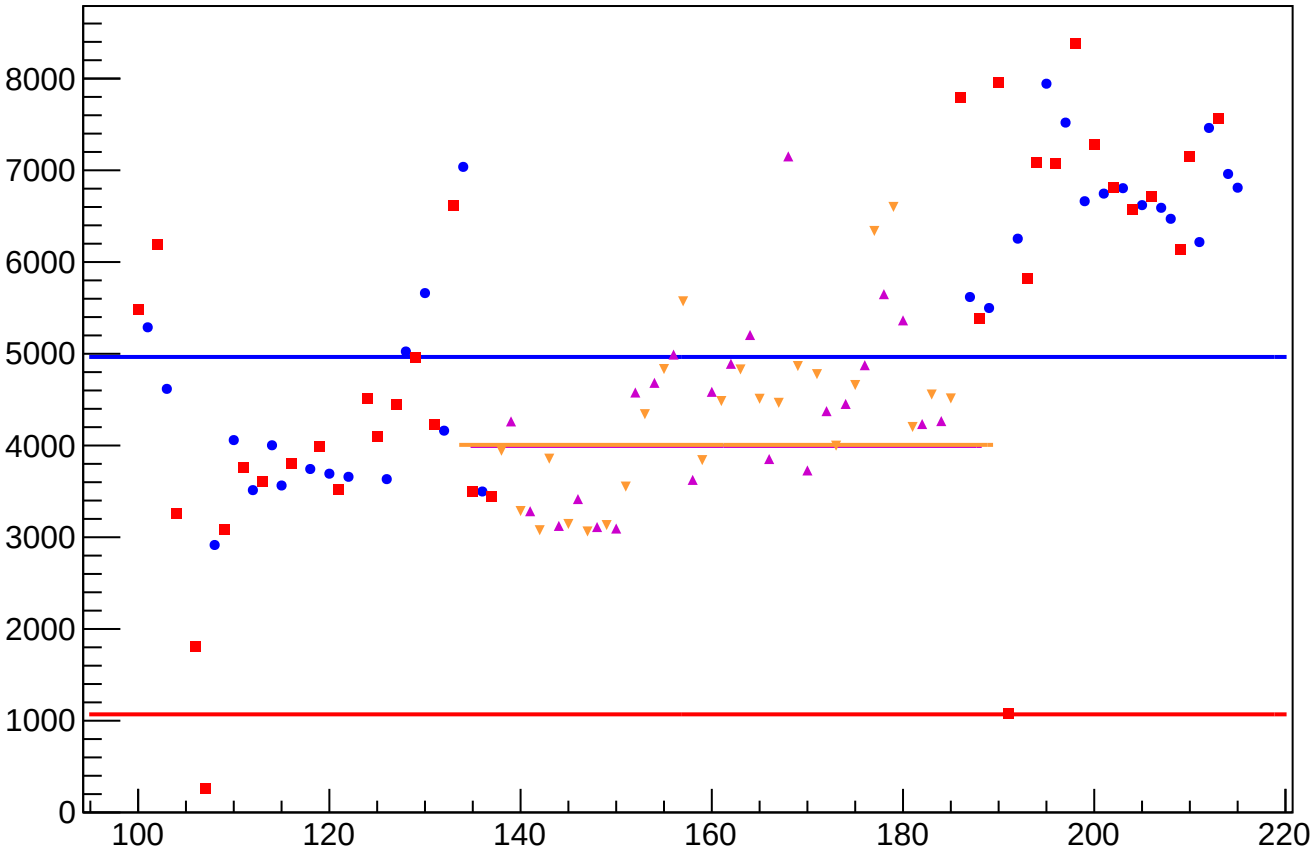
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 135.866+/-454.069 χ^2/NDF: 76.4/64

In: -64.202+/-744.552 χ^2/NDF:48.8/53

Out: 96.945+/-435.068 χ^2/NDF:69.8/58

All: 55.927+/-375.638 χ^2/NDF: 118.7/112



Right In: 4965.362+/-0.839 χ^2/NDF: 3229713.7/30

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1069.427+/-0.348 χ^2/NDF: 27693086.1/33

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

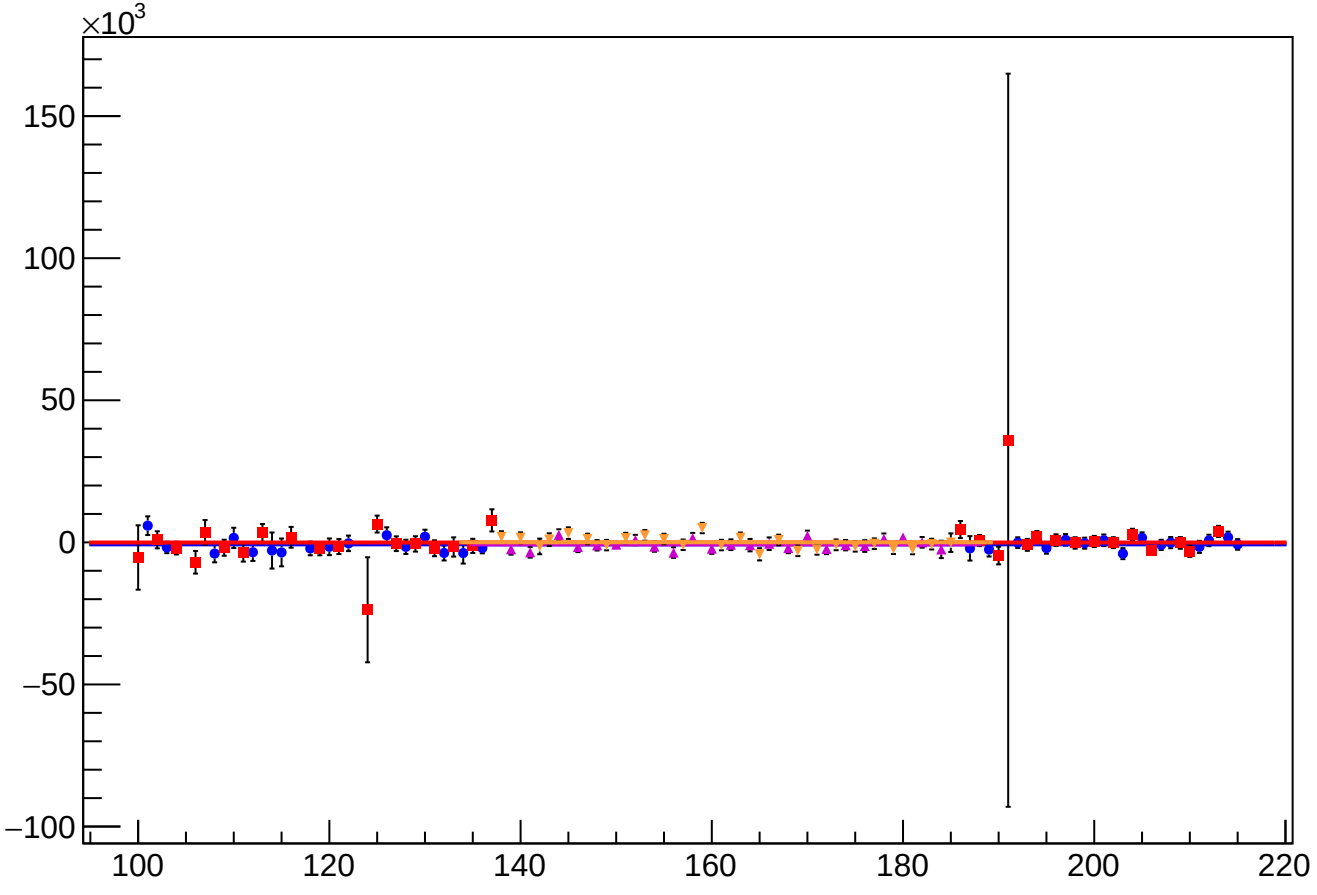
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1640.229+/-0.321 χ^2/NDF: 49333916.0/64

In: 4377.239+/-0.526 χ^2/NDF:5578911.4/53

Out: 1705.267+/-0.308 χ^2/NDF:44660622.9/58

All: 2385.380+/-0.266 χ^2/NDF: 69440808.0/1



Right In: -698.510+/-418.624 χ^2/NDF: 21.6/30

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -51.287+/-432.121 χ^2/NDF: 37.8/33

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

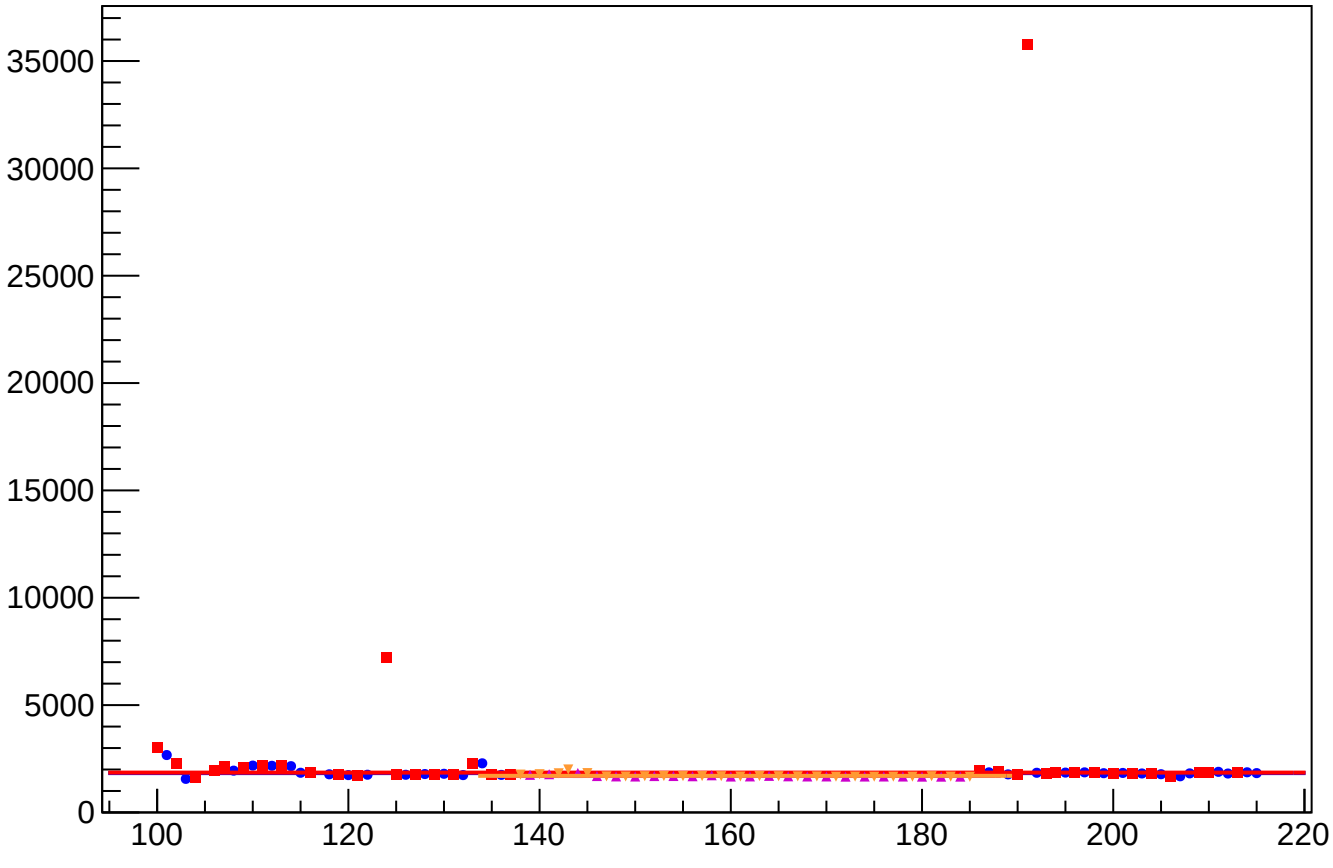
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -385.164+/-300.670 χ^2/NDF: 60.6/64

In: -709.513+/-287.852 χ^2/NDF:40.7/53

Out: -10.030+/-288.590 χ^2/NDF:67.3/58

All: -360.666+/-203.802 χ^2/NDF: 111.0/112



Right In: 1832.710+/-0.296 χ^2/NDF: 281543.0/30

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.361+/-0.305 χ^2/NDF: 536245.2/33

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

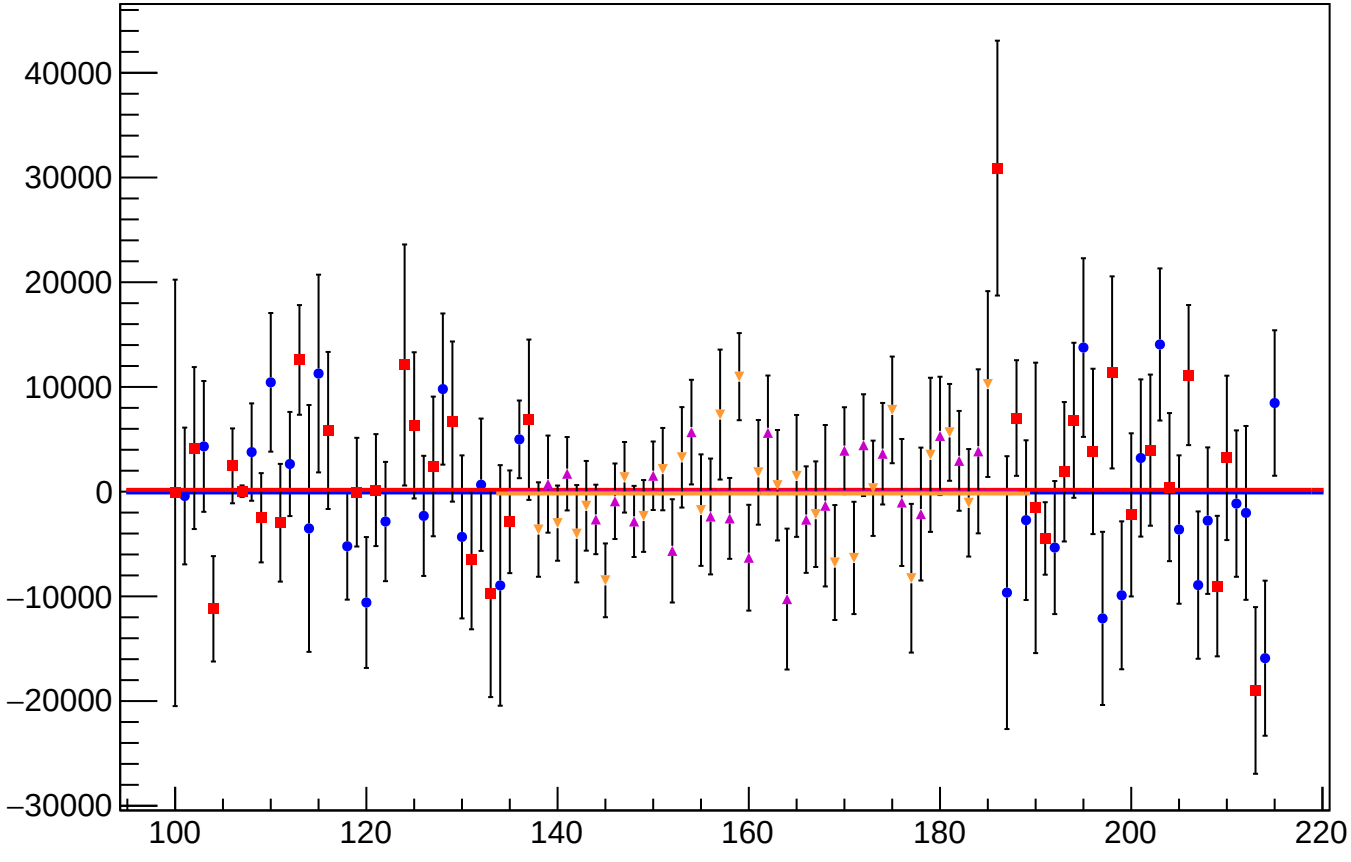
Right: 1844.170+/-0.213 χ^2/NDF: 820881.3/64

In: 1761.437+/-0.204 χ^2/NDF:412659.3/53

Out: 1772.919+/-0.204 χ^2/NDF:731092.5/58

All: 1767.165+/-0.144 χ^2/NDF: 1145339.6/11

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -76.241+/-1186.275 χ^2/NDF: 34.6/30

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 172.277+/-491.500 χ^2/NDF: 41.8/33

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

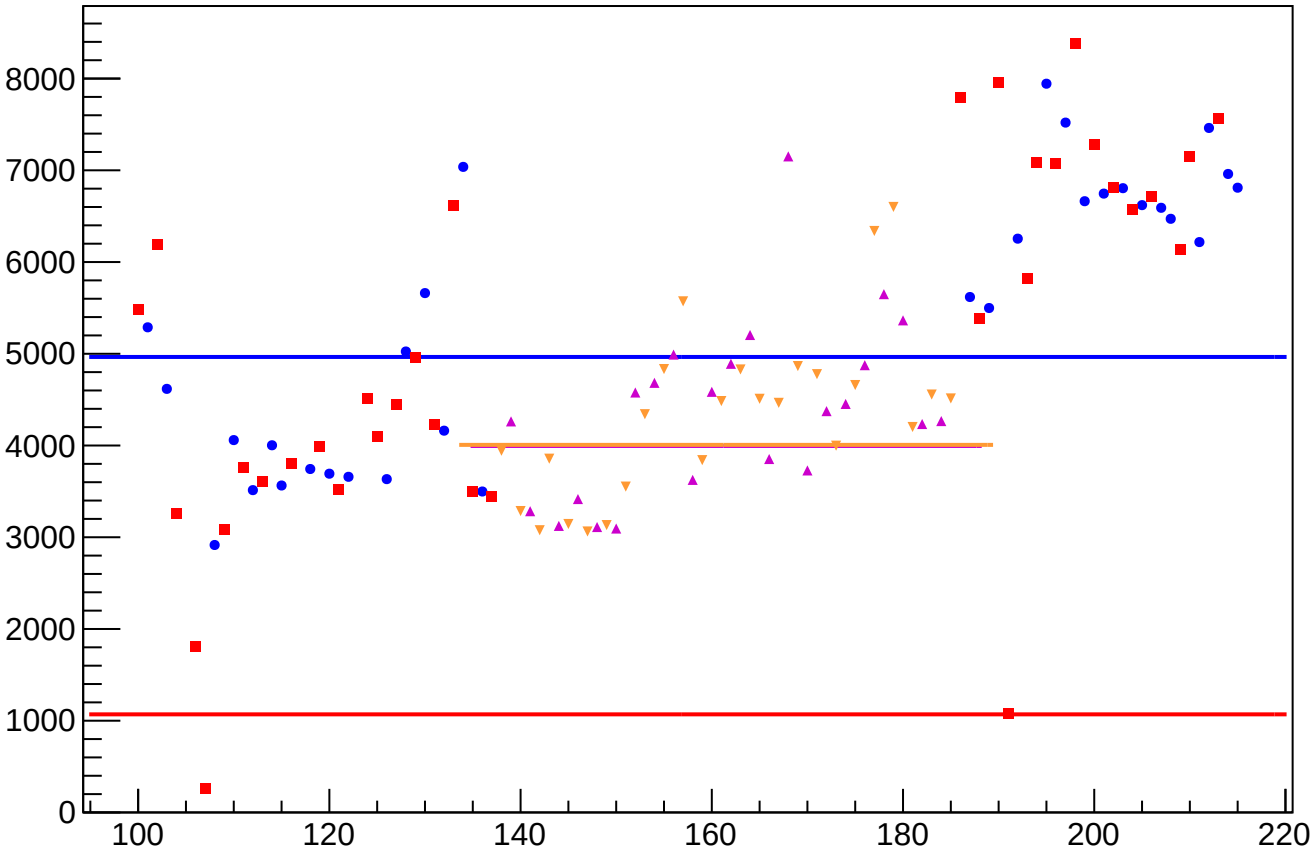
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 135.866+/-454.069 χ^2/NDF: 76.4/64

In: -64.202+/-744.552 χ^2/NDF:48.8/53

Out: 96.945+/-435.068 χ^2/NDF:69.8/58

All: 55.927+/-375.638 χ^2/NDF: 118.7/112



Right In: 4965.362+/-0.839 χ^2/NDF: 3229713.7/30

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1069.427+/-0.348 χ^2/NDF: 27693086.1/33

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

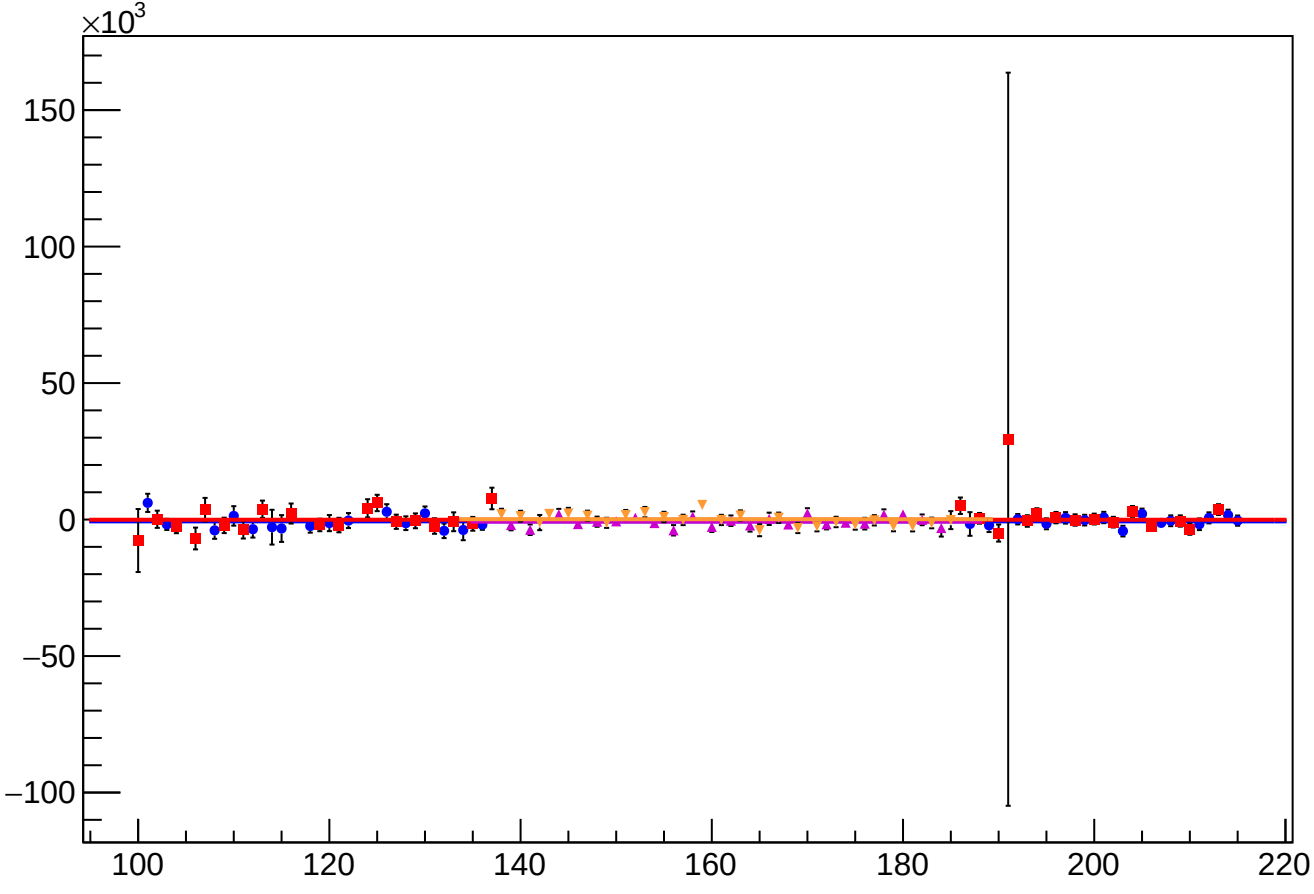
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1640.229+/-0.321 χ^2/NDF: 49333916.0/64

In: 4377.239+/-0.526 χ^2/NDF:5578911.4/53

Out: 1705.267+/-0.308 χ^2/NDF:44660622.9/58

All: 2385.380+/-0.266 χ^2/NDF: 69440808.0/1



Right In: -661.609+/-422.701 χ^2/NDF: 22.6/30

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -63.331+/-433.869 χ^2/NDF: 39.3/33

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

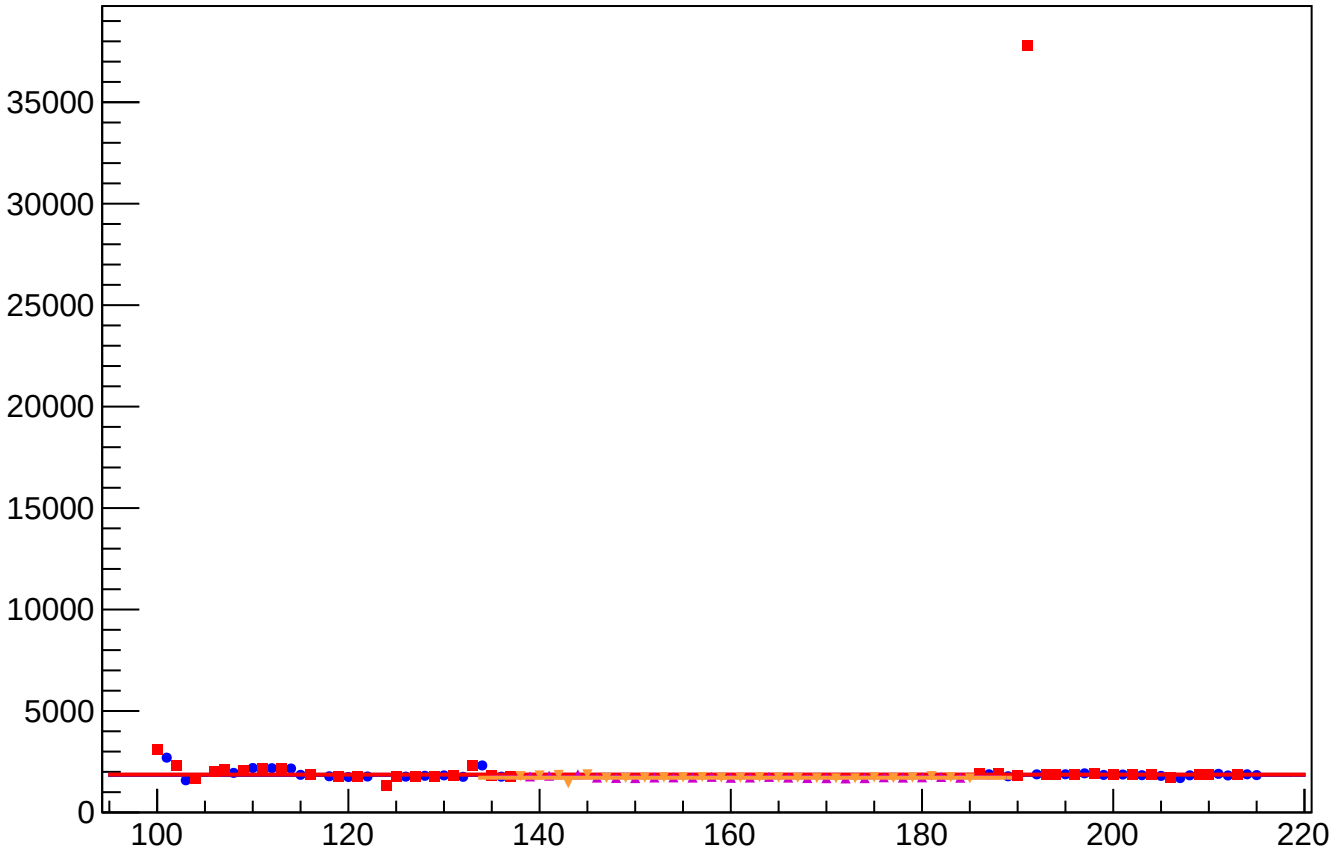
Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

Right: -370.269+/-302.766 χ^2/NDF: 62.9/64

In: -703.183+/-292.119 χ^2/NDF:41.7/53

Out: 38.172+/-289.822 χ^2/NDF:69.1/58

All: -329.579+/-205.742 χ^2/NDF: 114.0/112



Right In: 1850.376+/-0.299 χ^2/NDF: 281161.5/30

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1865.388+/-0.307 χ^2/NDF: 430589.7/33

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

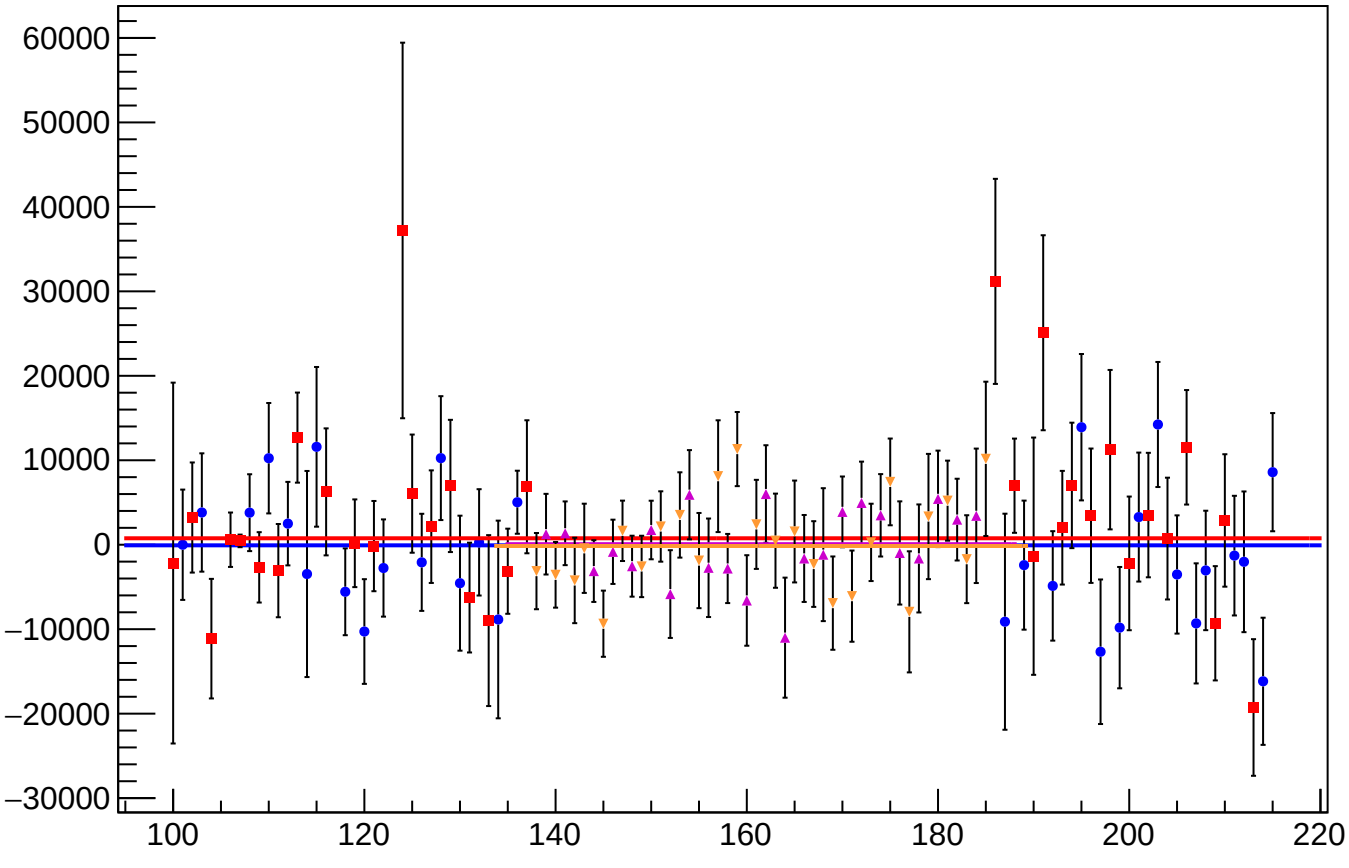
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1857.689+/-0.214 χ^2/NDF: 712980.1/64

In: 1787.669+/-0.207 χ^2/NDF:388490.1/53

Out: 1780.640+/-0.205 χ^2/NDF:662911.7/58

All: 1784.126+/-0.145 χ^2/NDF: 1051985.4/11



Right In: -70.680+/-1196.328 χ^2/NDF: 34.3/30

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 763.682+/-625.781 χ^2/NDF: 42.4/33

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

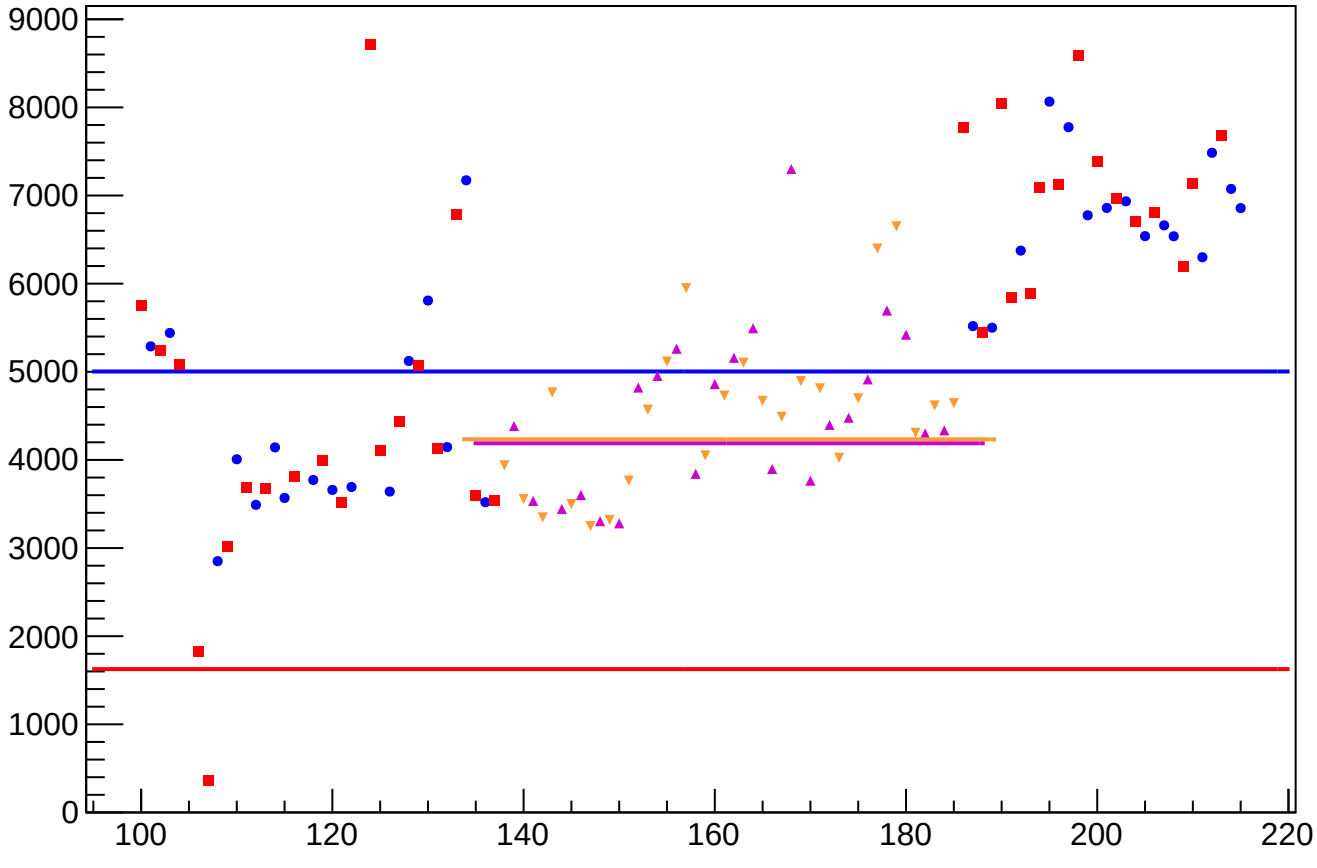
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 584.432+/-554.502 χ^2/NDF: 77.1/64

In: 9.285+/-767.303 χ^2/NDF:48.3/53

Out: 500.892+/-528.197 χ^2/NDF:69.9/58

All: 342.834+/-435.077 χ^2/NDF: 118.5/112



Right In: 5003.407+/-0.846 χ^2/NDF: 3388611.3/30

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1626.442+/-0.442 χ^2/NDF: 24307925.9/33

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

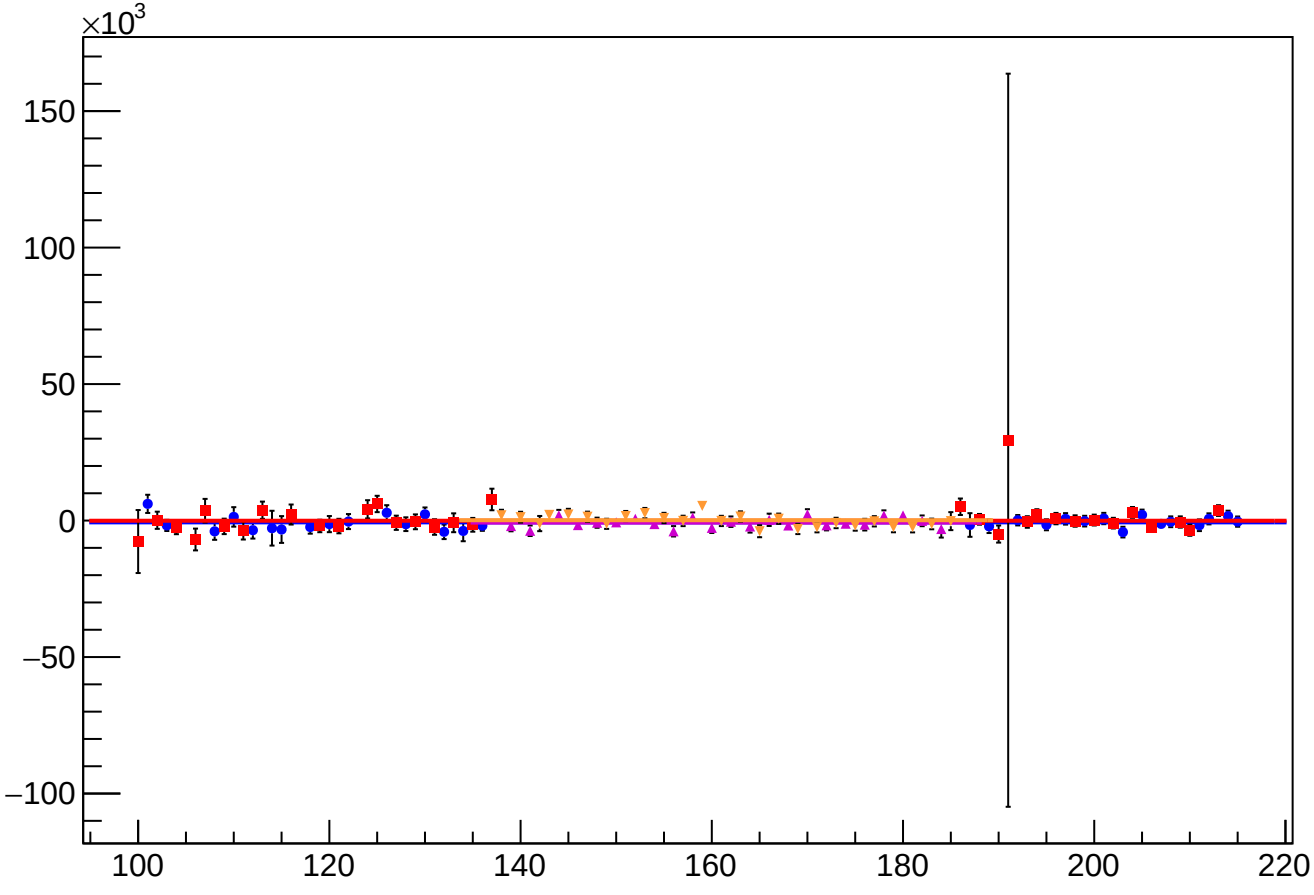
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2351.933+/-0.392 χ^2/NDF: 40209017.2/64

In: 4523.949+/-0.543 χ^2/NDF:5278957.2/53

Out: 2376.252+/-0.373 χ^2/NDF:35577852.4/58

All: 3066.765+/-0.308 χ^2/NDF: 51488038.3/1



Right In: -661.607+/-422.701 χ^2/NDF: 22.6/30

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -63.332+/-433.869 χ^2/NDF: 39.3/33

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

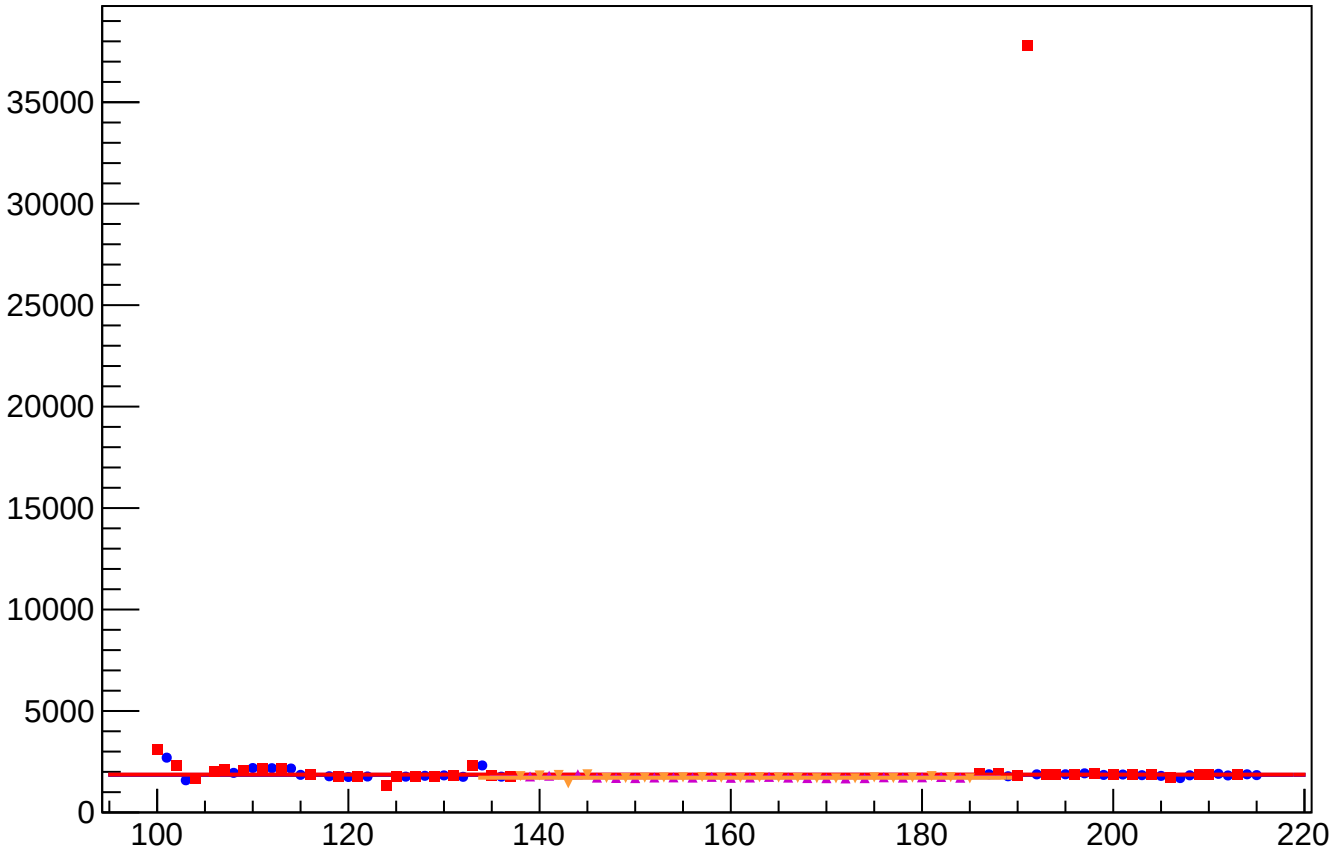
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -370.269+/-302.766 χ^2/NDF: 62.9/64

In: -703.182+/-292.119 χ^2/NDF:41.7/53

Out: 38.173+/-289.822 χ^2/NDF:69.1/58

All: -329.577+/-205.742 χ^2/NDF: 114.0/112



Right In: 1850.376+/-0.299 χ^2/NDF: 281161.4/30

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1865.389+/-0.307 χ^2/NDF: 430590.0/33

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

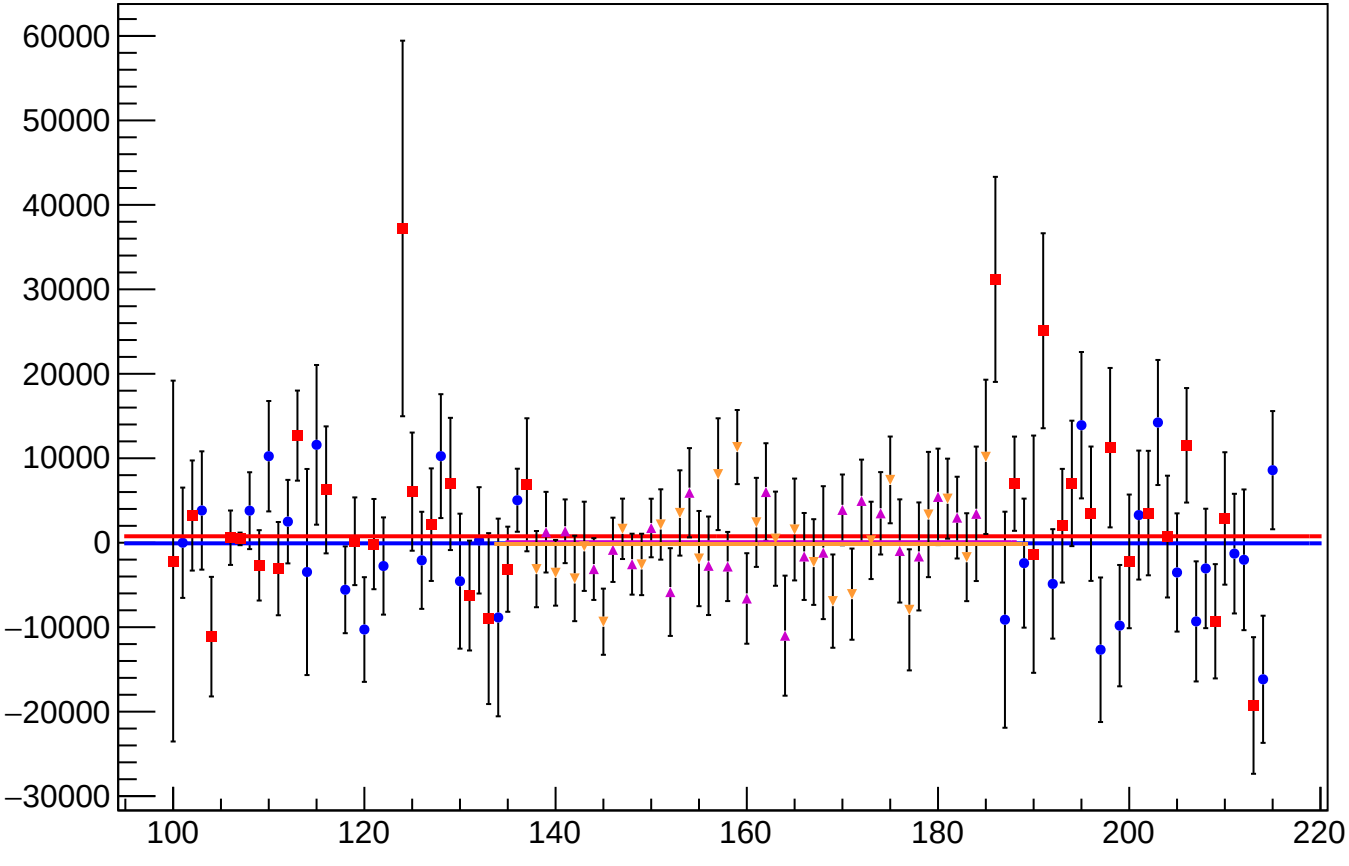
Right: 1857.689+/-0.214 χ^2/NDF: 712980.3/64

In: 1787.669+/-0.207 χ^2/NDF:388489.2/53

Out: 1780.640+/-0.205 χ^2/NDF:662910.2/58

All: 1784.126+/-0.145 χ^2/NDF: 1051983.0/11

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -70.689+/-1196.328 χ^2/NDF: 34.3/30

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 763.696+/-625.790 χ^2/NDF: 42.4/33

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

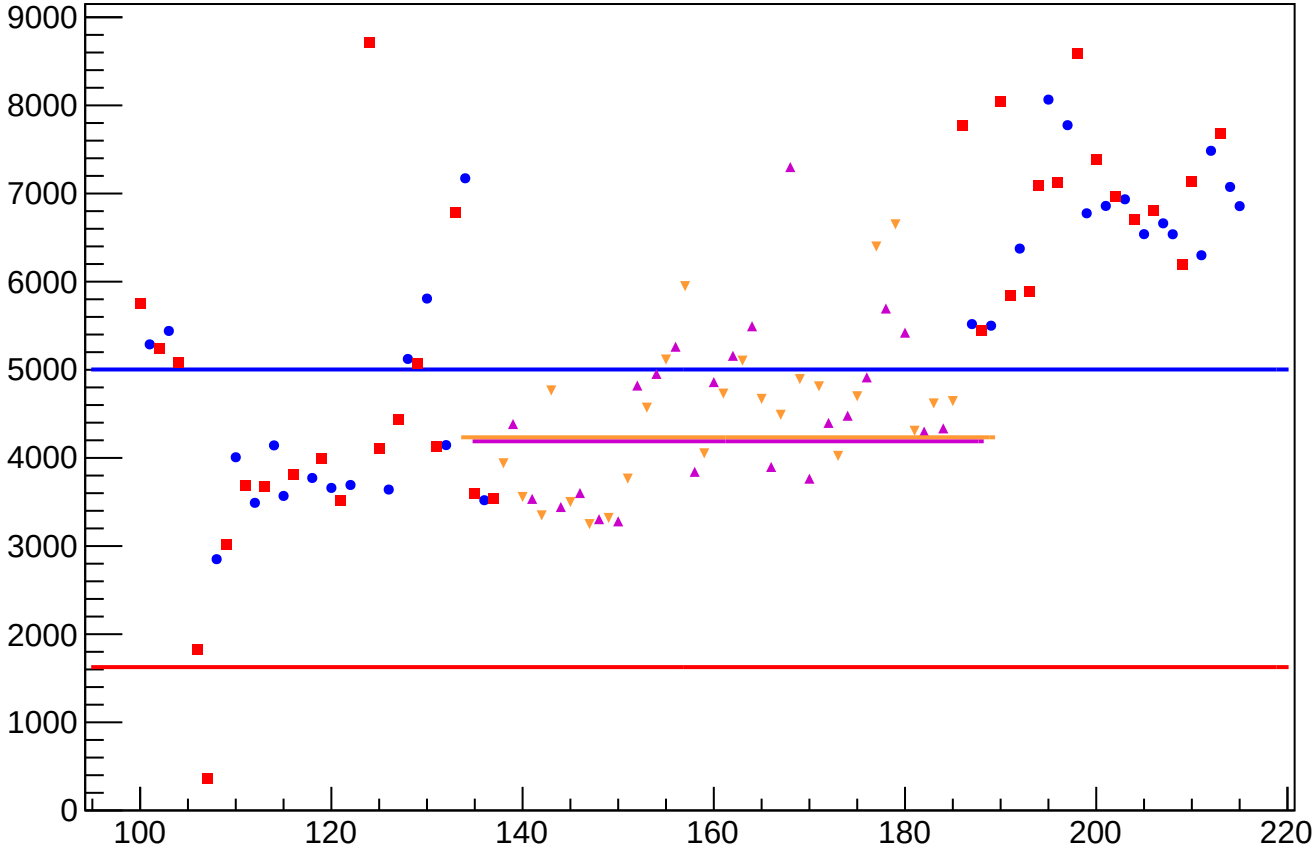
Right: 584.437+/-554.508 χ^2/NDF: 77.1/64

In: 9.282+/-767.304 χ^2/NDF:48.3/53

Out: 500.897+/-528.203 χ^2/NDF:69.9/58

All: 342.834+/-435.081 χ^2/NDF: 118.5/112

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5003.403+/-0.846 χ^2/NDF: 3388637.6/30

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1626.486+/-0.443 χ^2/NDF: 24307605.0/33

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

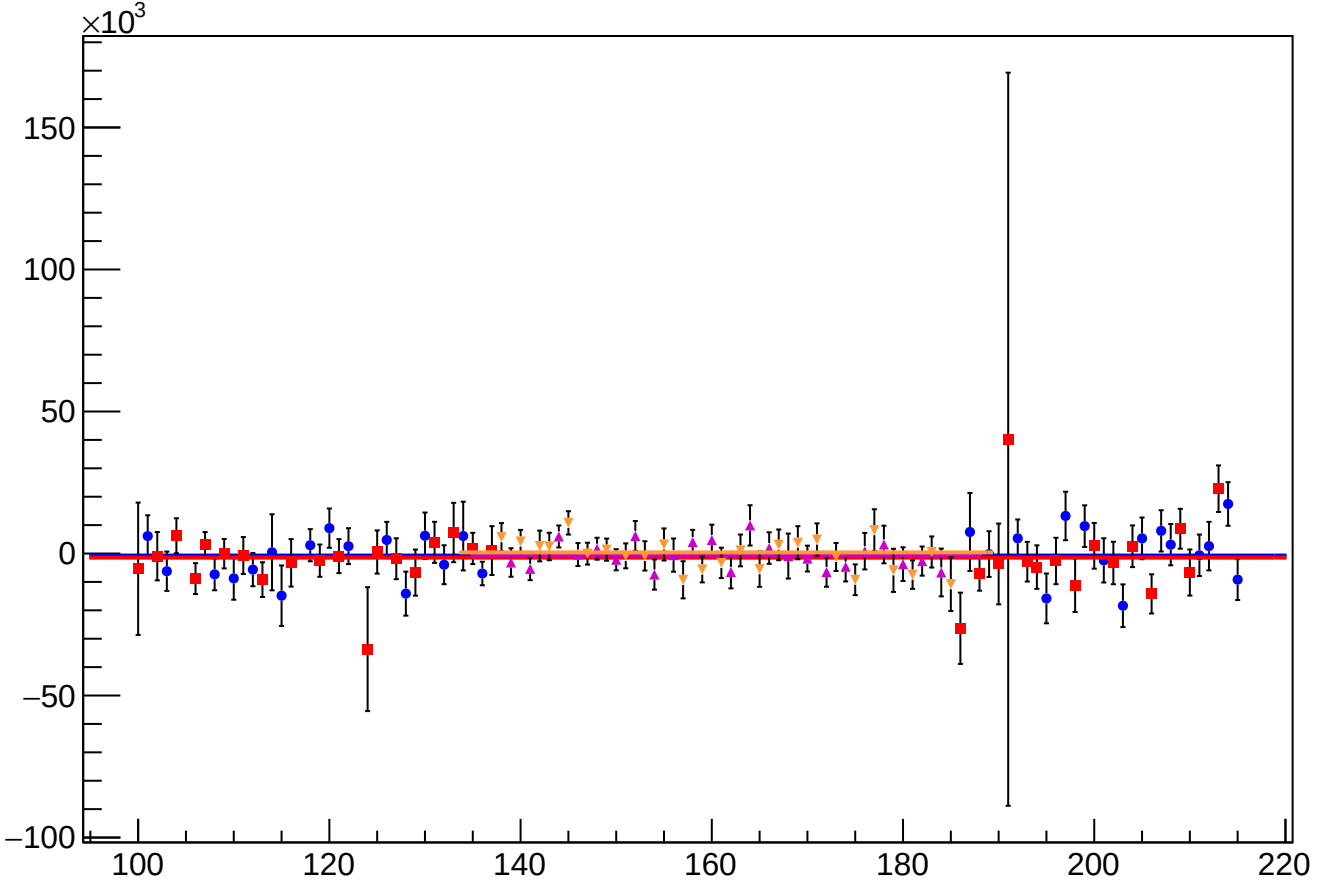
Right: 2351.984+/-0.392 χ^2/NDF: 40208297.3/64

In: 4523.952+/-0.543 χ^2/NDF:5278974.5/53

Out: 2376.299+/-0.373 χ^2/NDF:35577138.1/58

All: 3066.807+/-0.308 χ^2/NDF: 51486814.0/

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -712.567+/-1290.423 χ^2/NDF: 40.4/30

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1453.314+/-1244.845 χ^2/NDF: 32.4/33

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

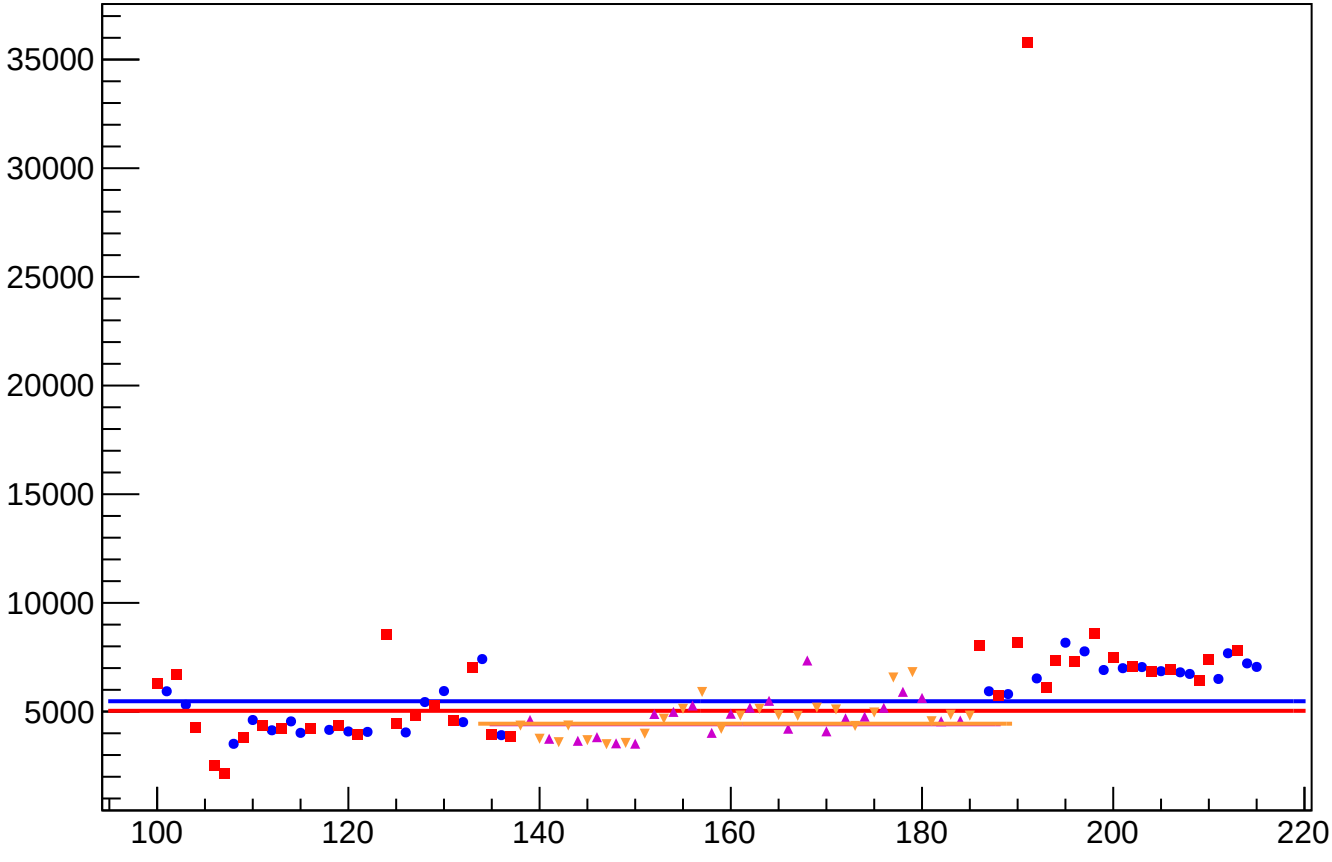
Right: -1096.253+/-895.918 χ^2/NDF: 73.0/64

In: -586.449+/-814.298 χ^2/NDF:57.8/53

Out: -352.797+/-792.856 χ^2/NDF:58.4/58

All: -466.506+/-568.063 χ^2/NDF: 116.2/112

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5474.522+/-0.912 χ^2/NDF: 2401683.2/30

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 5033.576+/-0.875 χ^2/NDF: 4189781.7/33

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

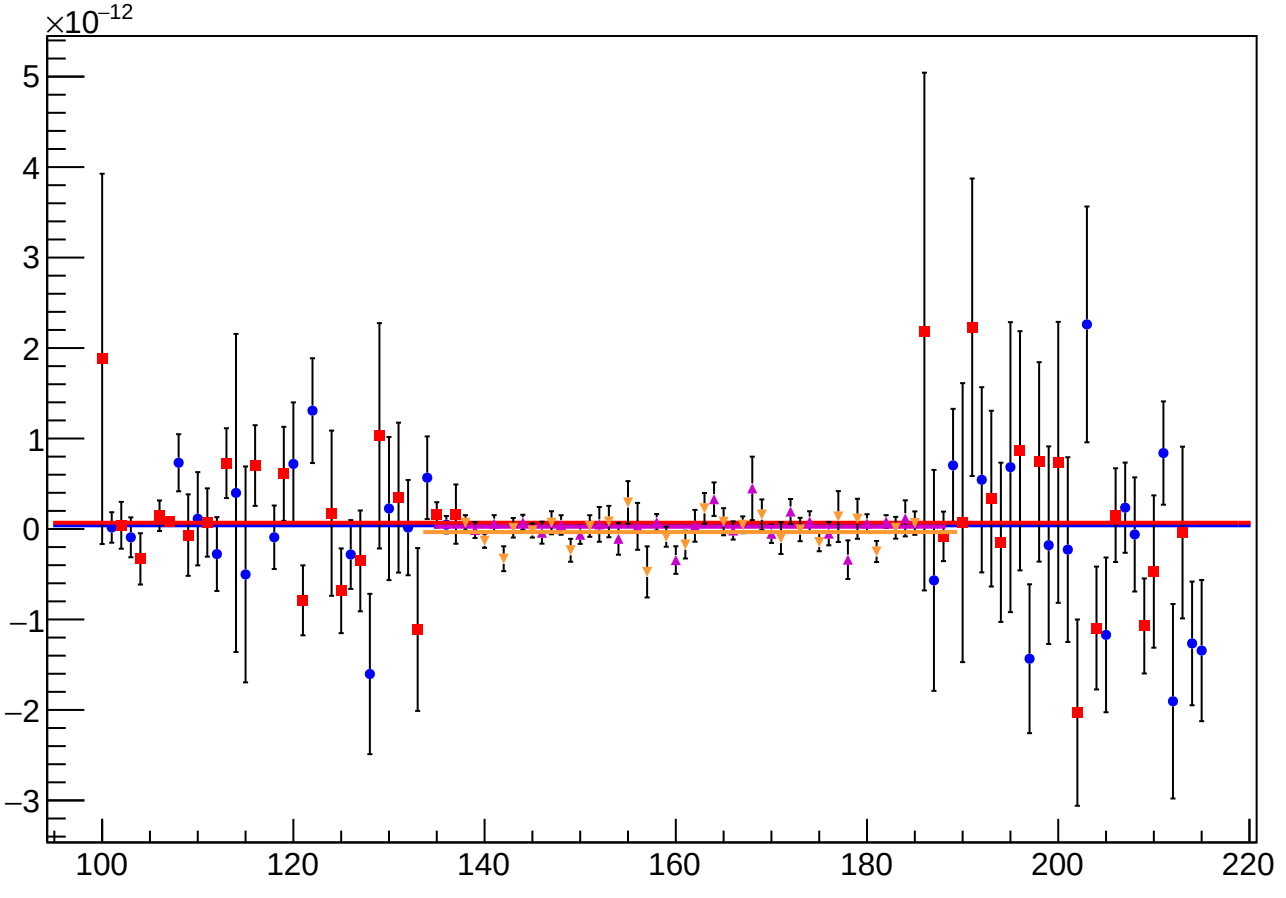
Right: 5244.698+/-0.631 χ^2/NDF: 6713180.5/64

In: 4837.123+/-0.576 χ^2/NDF:4323937.5/53

Out: 4683.123+/-0.559 χ^2/NDF:5534507.5/58

All: 4757.866+/-0.401 χ^2/NDF: 9895260.0/11

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.0/33

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

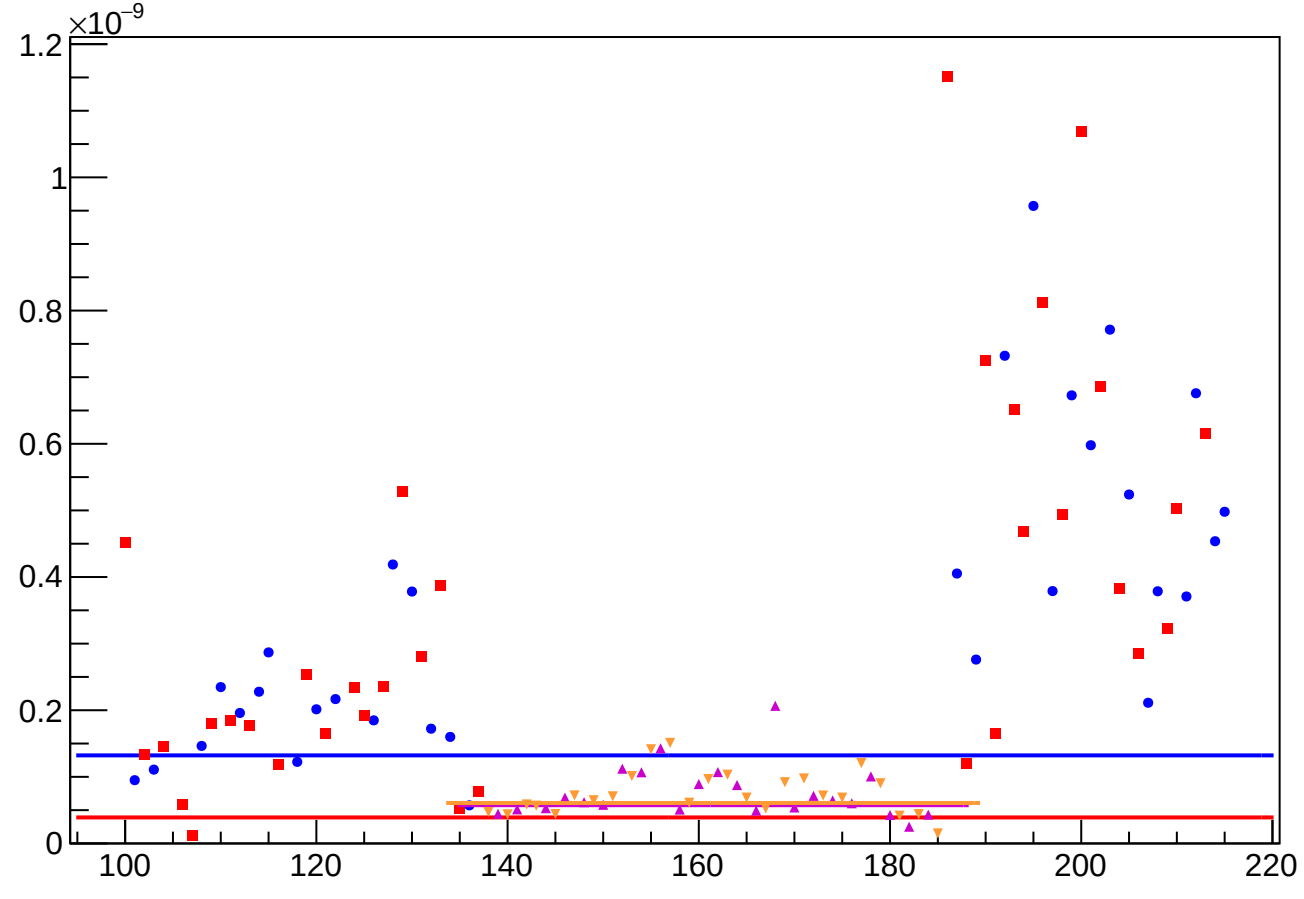
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 75.9/64

In: 0.000+/-0.000 χ^2/NDF:59.1/53

Out: 0.000+/-0.000 χ^2/NDF:70.8/58

All: 0.000+/-0.000 χ^2/NDF: 130.5/112



Right In: 0.000+/-0.000 χ^2/NDF: 7530637.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12269791.7/33

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

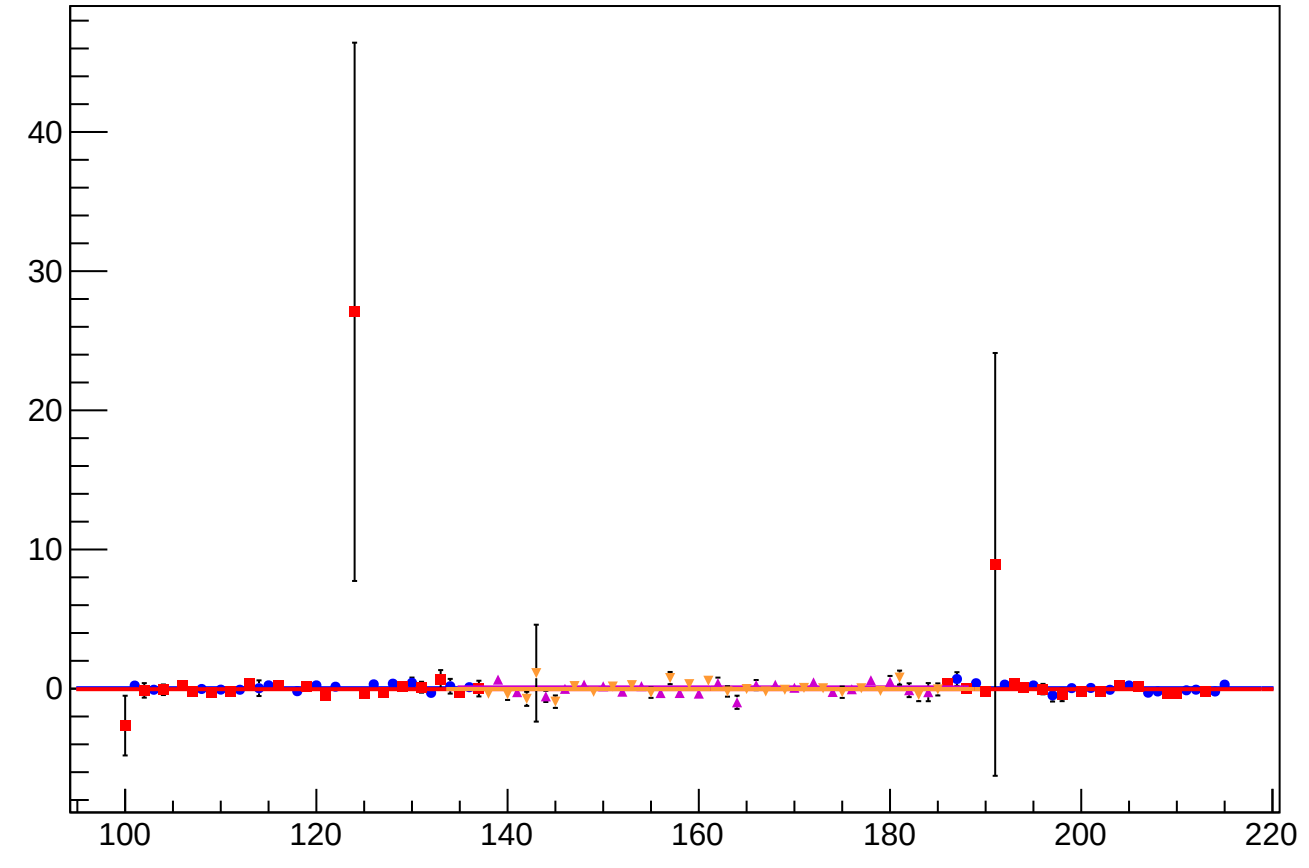
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 23111315.2/64

In: 0.000+/-0.000 χ^2/NDF:11752633.1/53

Out: 0.000+/-0.000 χ^2/NDF:14554251.0/58

All: 0.000+/-0.000 χ^2/NDF: 26733480.2/112



Right In: 0.036+/-0.045 χ^2/NDF: 24.7/30

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.038+/-0.043 χ^2/NDF: 36.2/33

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

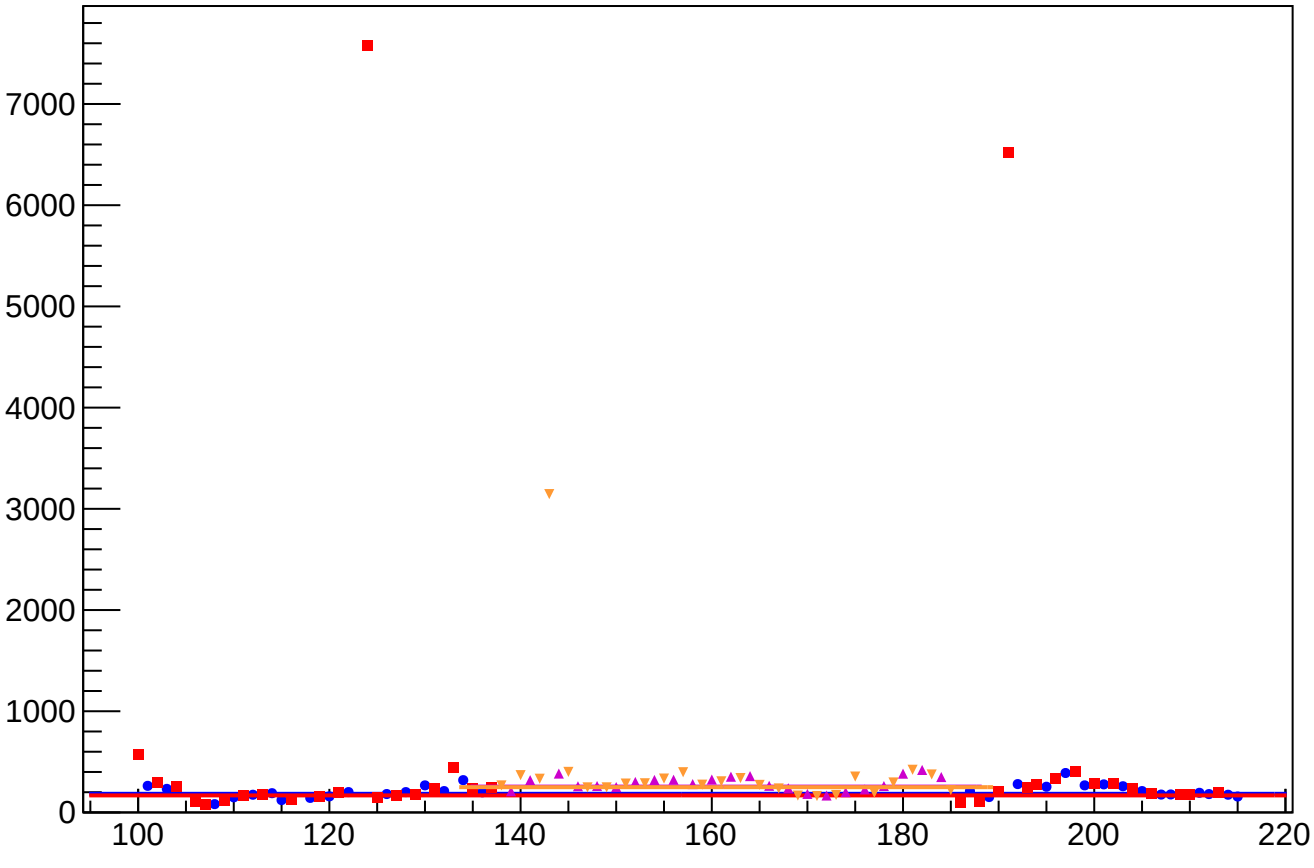
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.002+/-0.031 χ^2/NDF: 62.3/64

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.010+/-0.025 χ^2/NDF: 119.6/112



Right In: 184.191+/-0.032 χ^2/NDF: 3036564.7/30

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 168.504+/-0.031 χ^2/NDF: 5346738.0/33

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

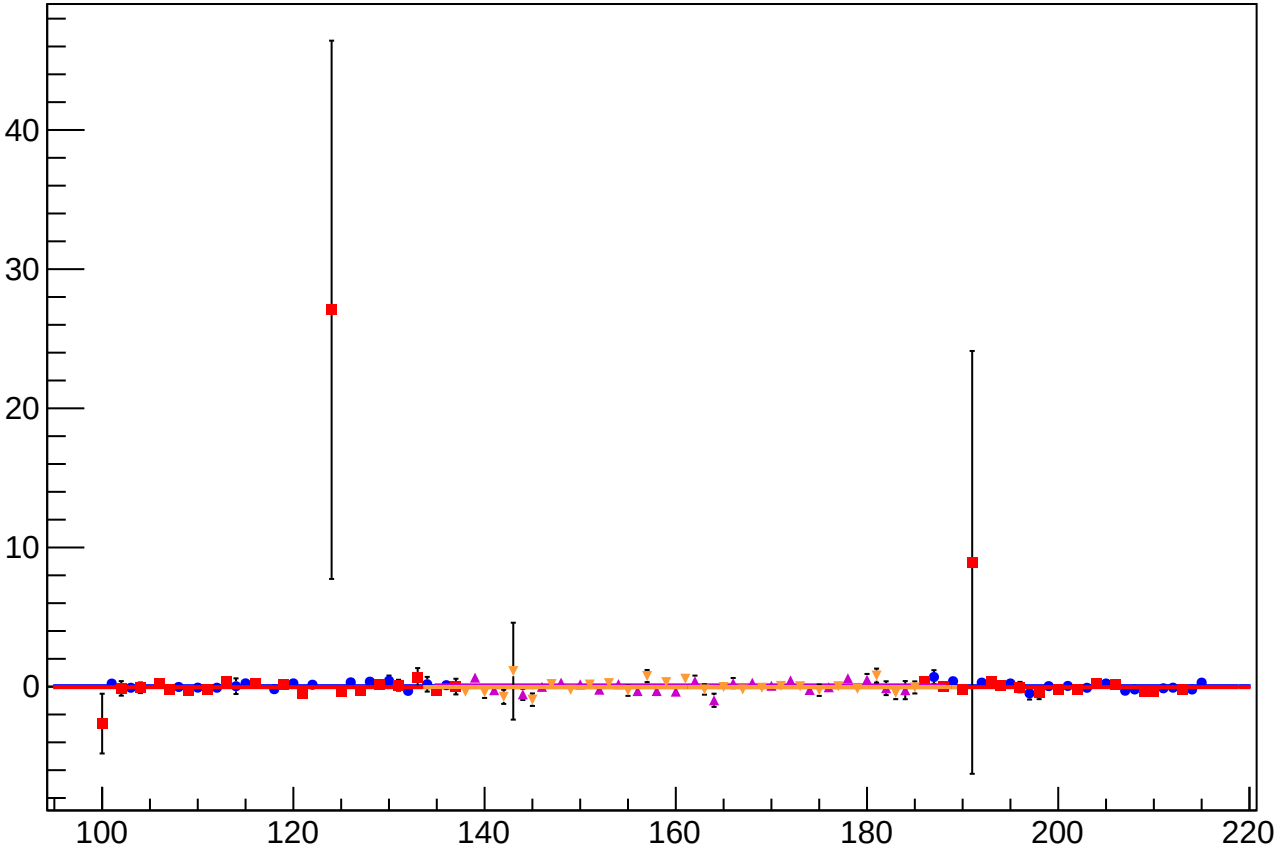
Right: 176.121+/-0.022 χ^2/NDF: 8509679.7/64

In: 208.044+/-0.026 χ^2/NDF:6841294.6/53

Out: 195.548+/-0.025 χ^2/NDF:11907881.1/58

All: 201.630+/-0.018 χ^2/NDF: 18869574.7/11

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.045 χ^2/NDF: 24.7/30

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.038+/-0.043 χ^2/NDF: 36.2/33

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

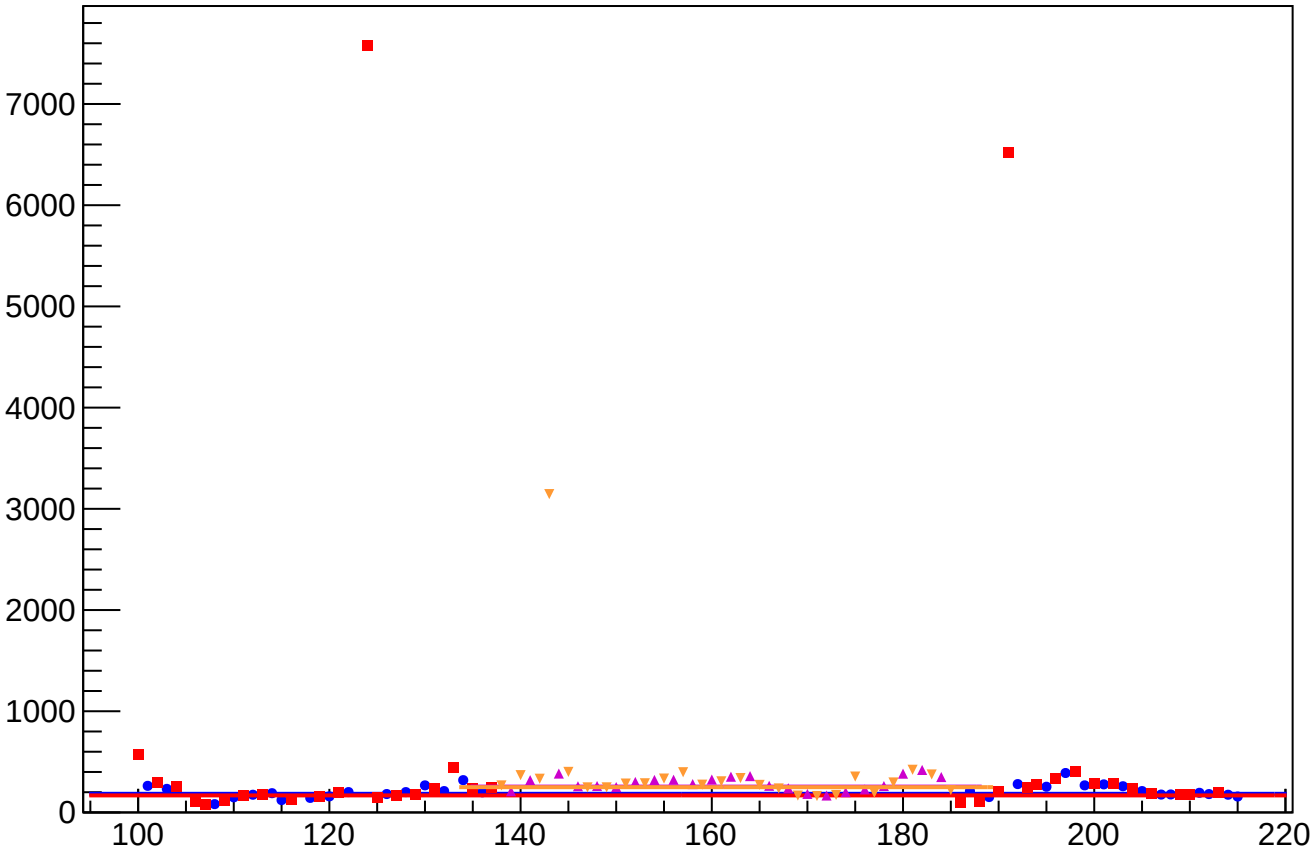
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.002+/-0.031 χ^2/NDF: 62.3/64

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.010+/-0.025 χ^2/NDF: 119.6/112



Right In: 184.191+/-0.032 χ^2/NDF: 3036564.7/30

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 168.504+/-0.031 χ^2/NDF: 5346738.0/33

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

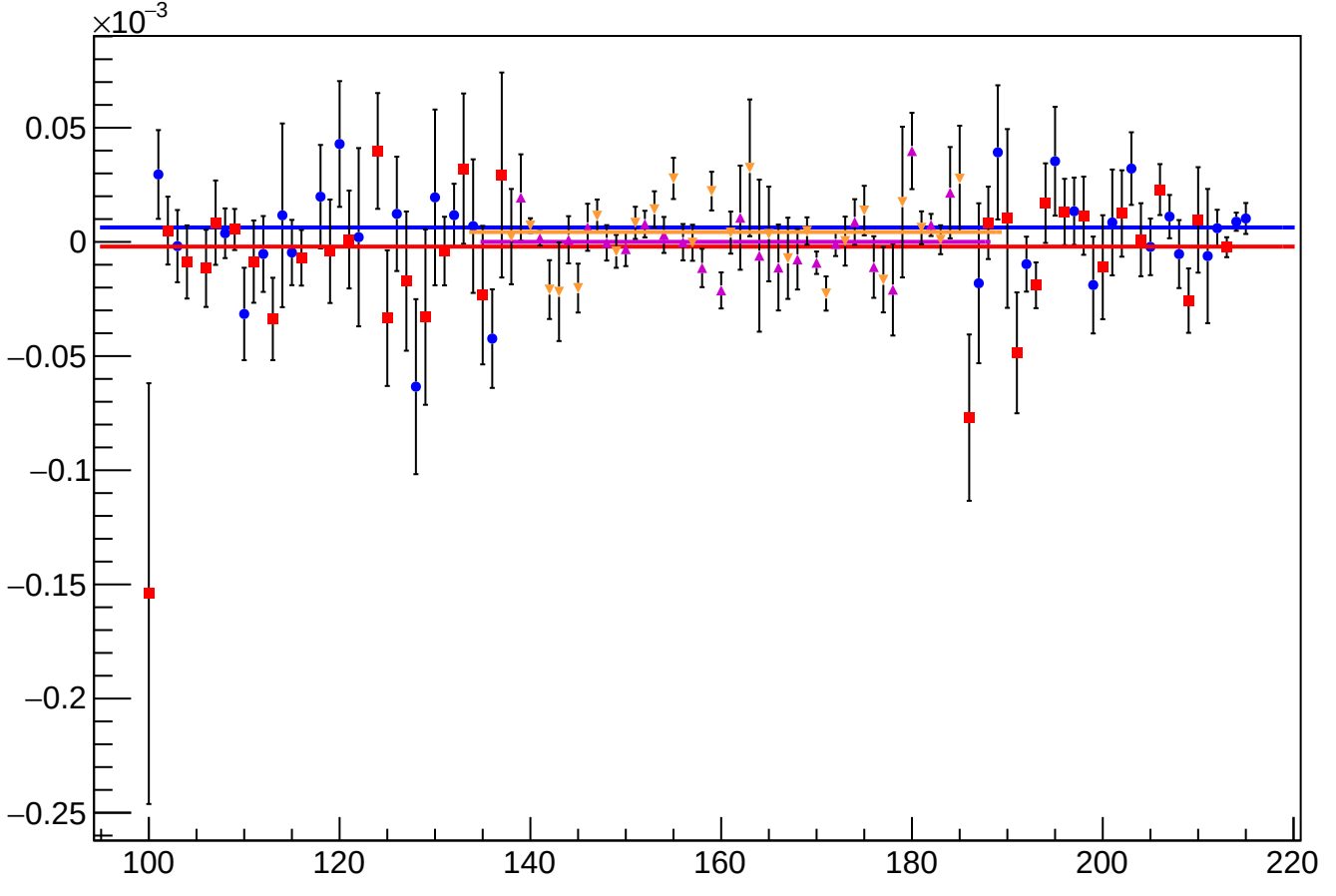
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 176.121+/-0.022 χ^2/NDF: 8509679.7/64

In: 208.044+/-0.026 χ^2/NDF:6841294.6/53

Out: 195.548+/-0.025 χ^2/NDF:11907881.1/58

All: 201.630+/-0.018 χ^2/NDF: 18869574.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/33

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

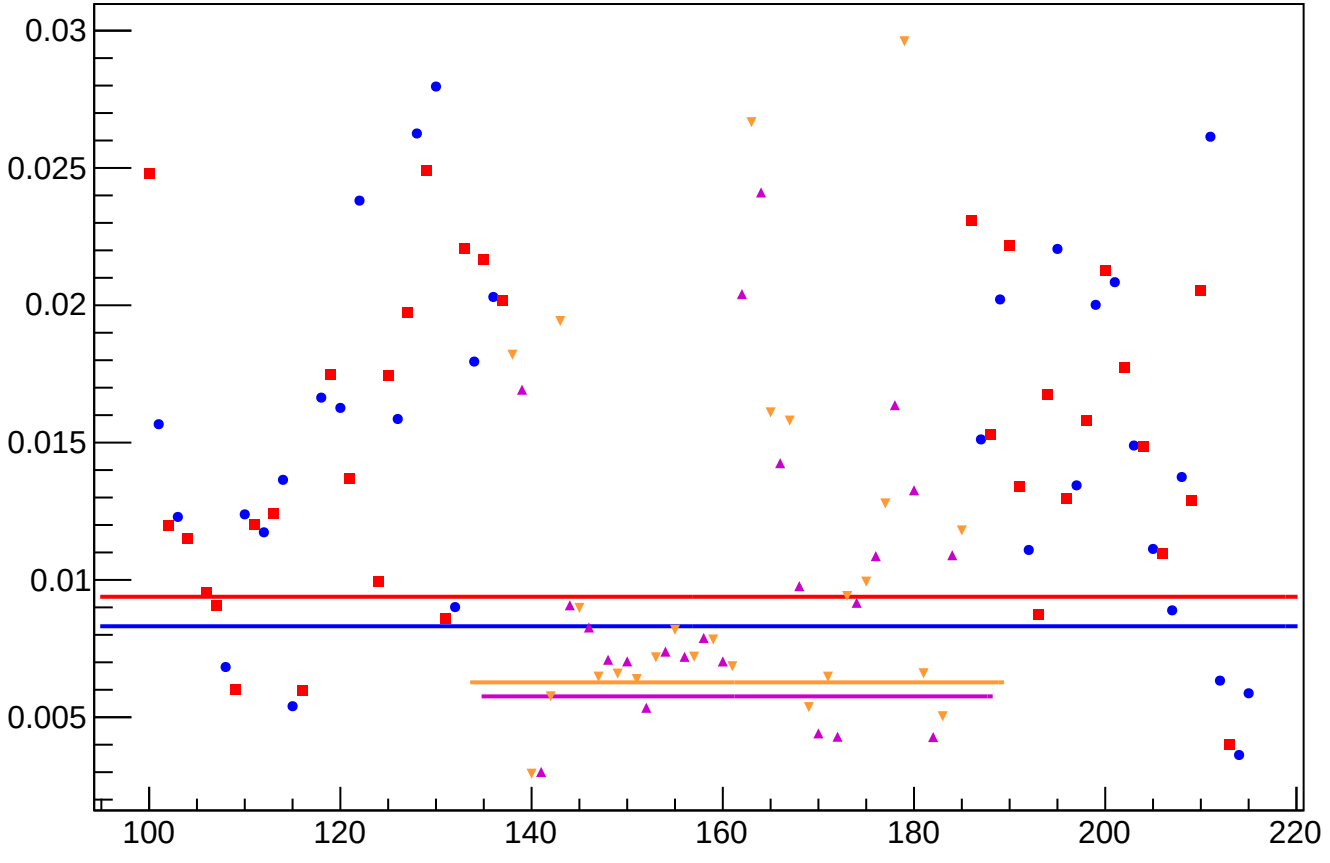
Right: 0.000+/-0.000 χ^2/NDF: 72.0/64

In: 0.000+/-0.000 χ^2/NDF:62.9/53

Out: 0.000+/-0.000 χ^2/NDF:87.7/58

All: 0.000+/-0.000 χ^2/NDF: 150.6/112

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 10700413.8/30

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8893295.8/33

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

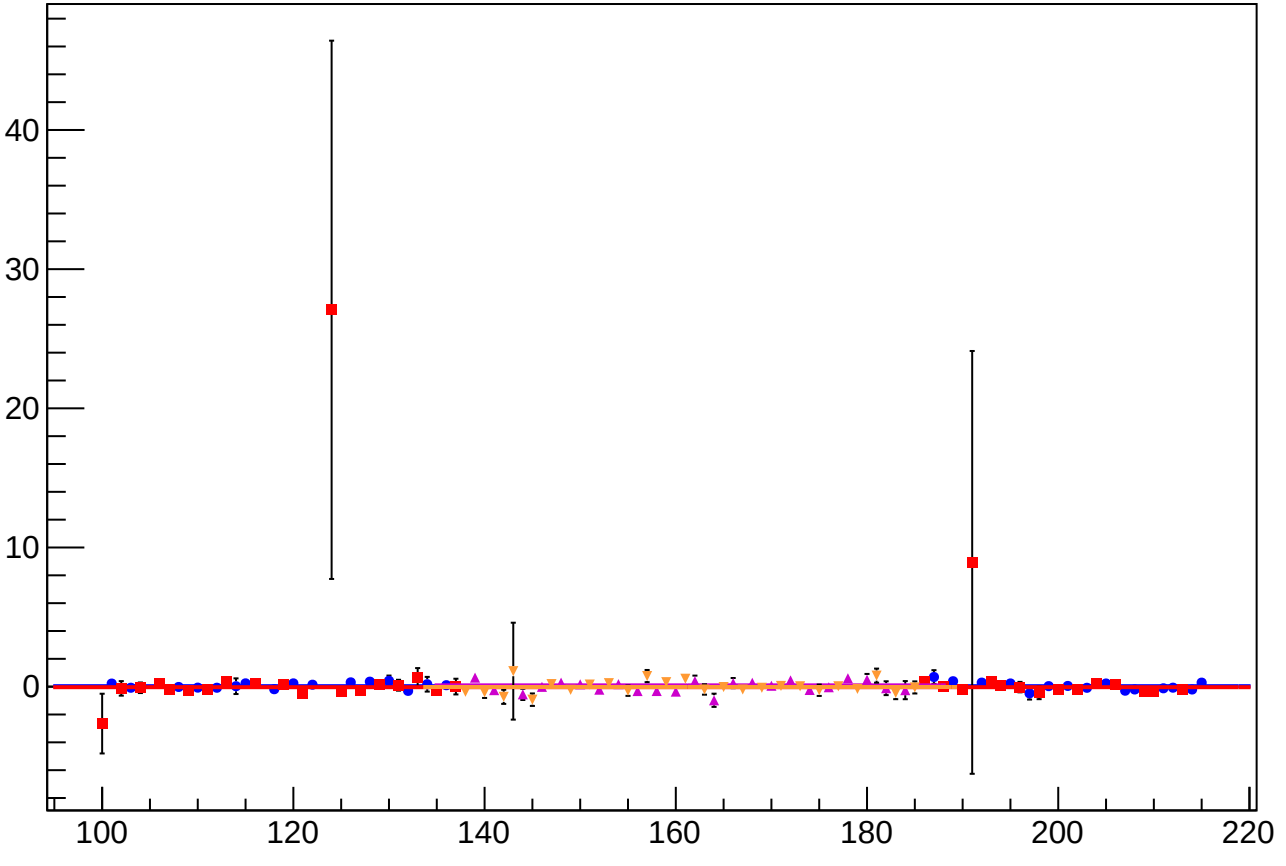
Right: 0.009+/-0.000 χ^2/NDF: 19793503.5/64

In: 0.007+/-0.000 χ^2/NDF:19457250.2/53

Out: 0.007+/-0.000 χ^2/NDF:18965551.8/58

All: 0.007+/-0.000 χ^2/NDF: 38648438.6/112

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.045 χ^2/NDF: 24.7/30

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.038+/-0.043 χ^2/NDF: 36.2/33

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

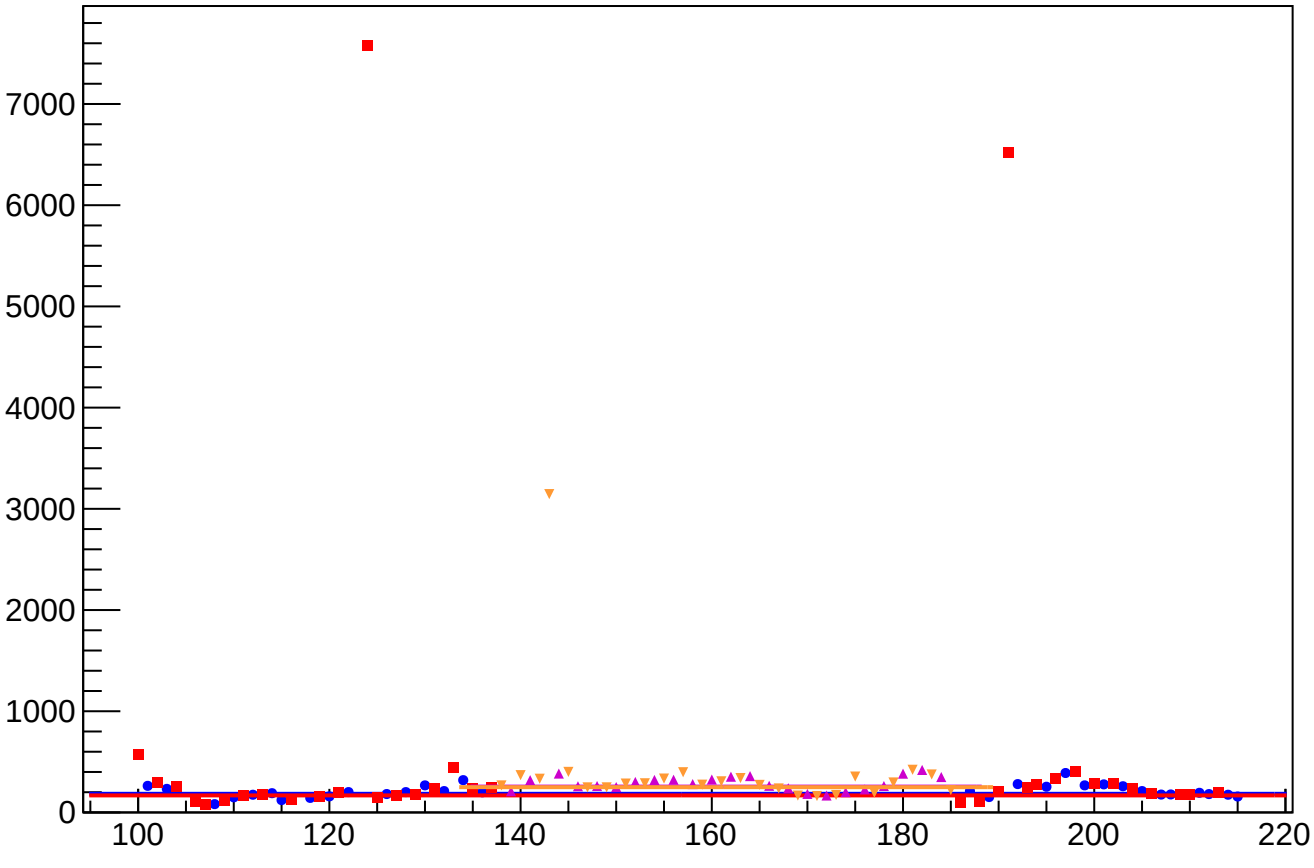
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.002+/-0.031 χ^2/NDF: 62.3/64

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.010+/-0.025 χ^2/NDF: 119.6/112



Right In: 184.191+/-0.032 χ^2/NDF: 3036637.2/30

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 168.506+/-0.031 χ^2/NDF: 5346601.5/33

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

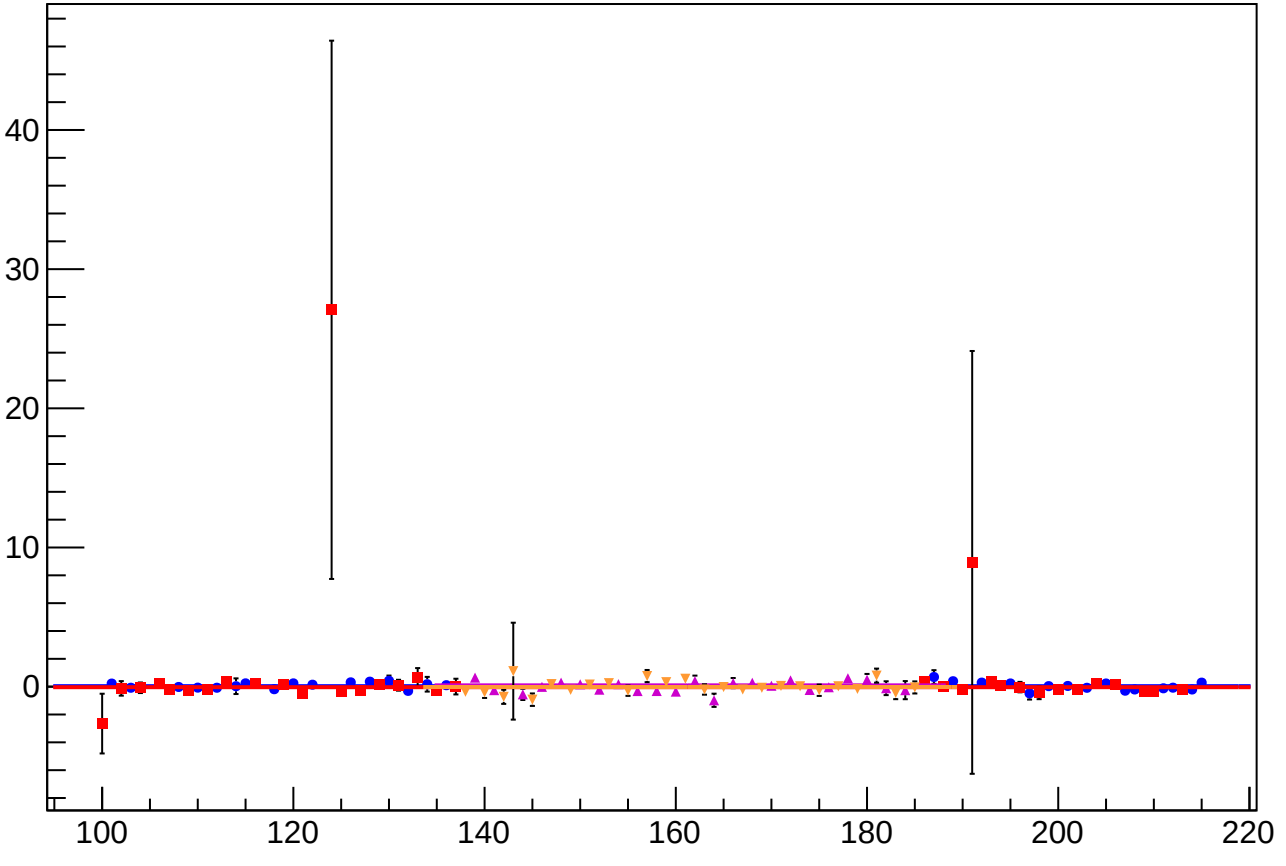
Right: 176.122+/-0.022 χ^2/NDF: 8509571.1/64

In: 208.044+/-0.026 χ^2/NDF:6841533.6/53

Out: 195.550+/-0.025 χ^2/NDF:11907786.2/58

All: 201.631+/-0.018 χ^2/NDF: 18869679.0/11

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.045 χ^2/NDF: 24.7/30

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.038+/-0.043 χ^2/NDF: 36.2/33

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

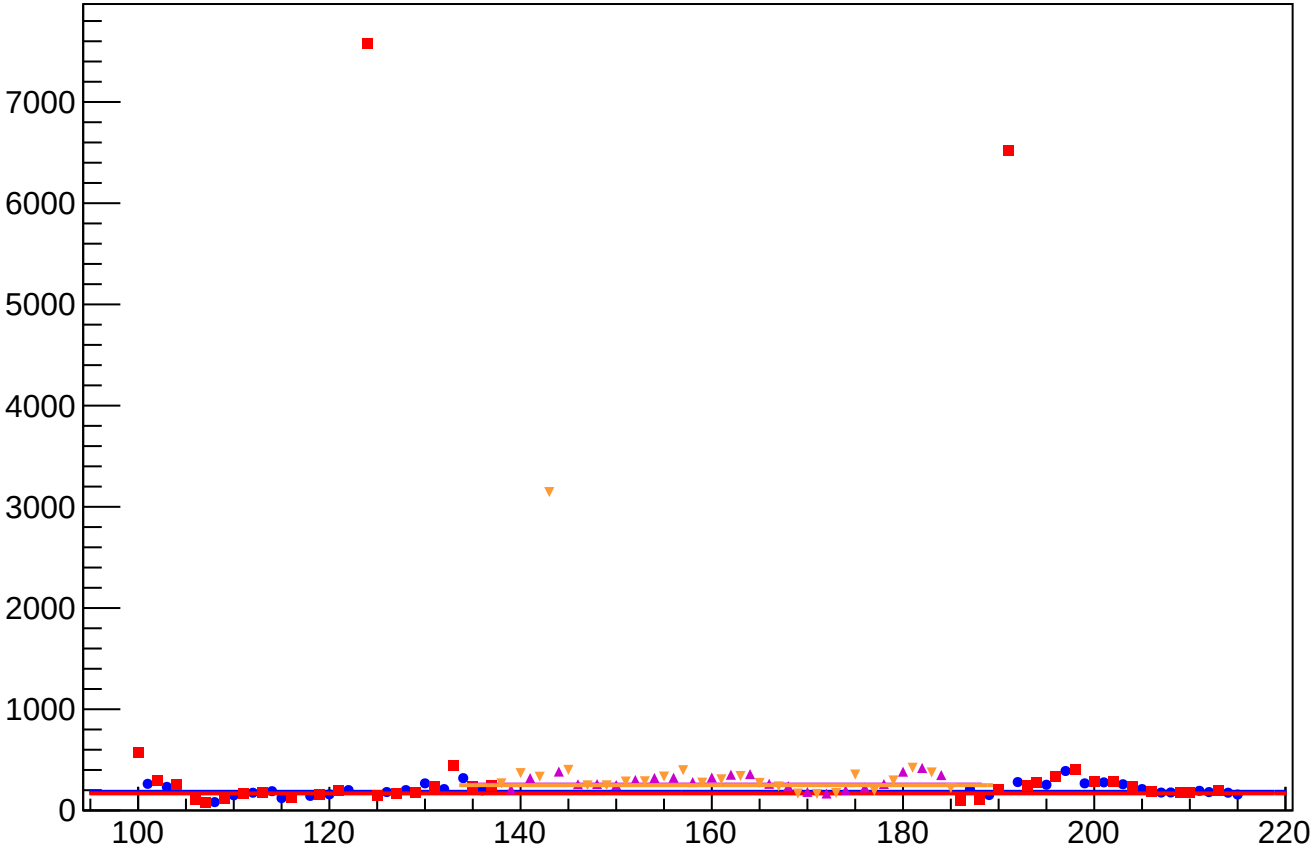
Right: -0.002+/-0.031 χ^2/NDF: 62.3/64

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.033+/-0.036 χ^2/NDF:59.8/58

All: 0.010+/-0.025 χ^2/NDF: 119.6/112

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 184.191+/-0.032 χ^2/NDF: 3036637.2/30

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 168.506+/-0.031 χ^2/NDF: 5346601.5/33

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

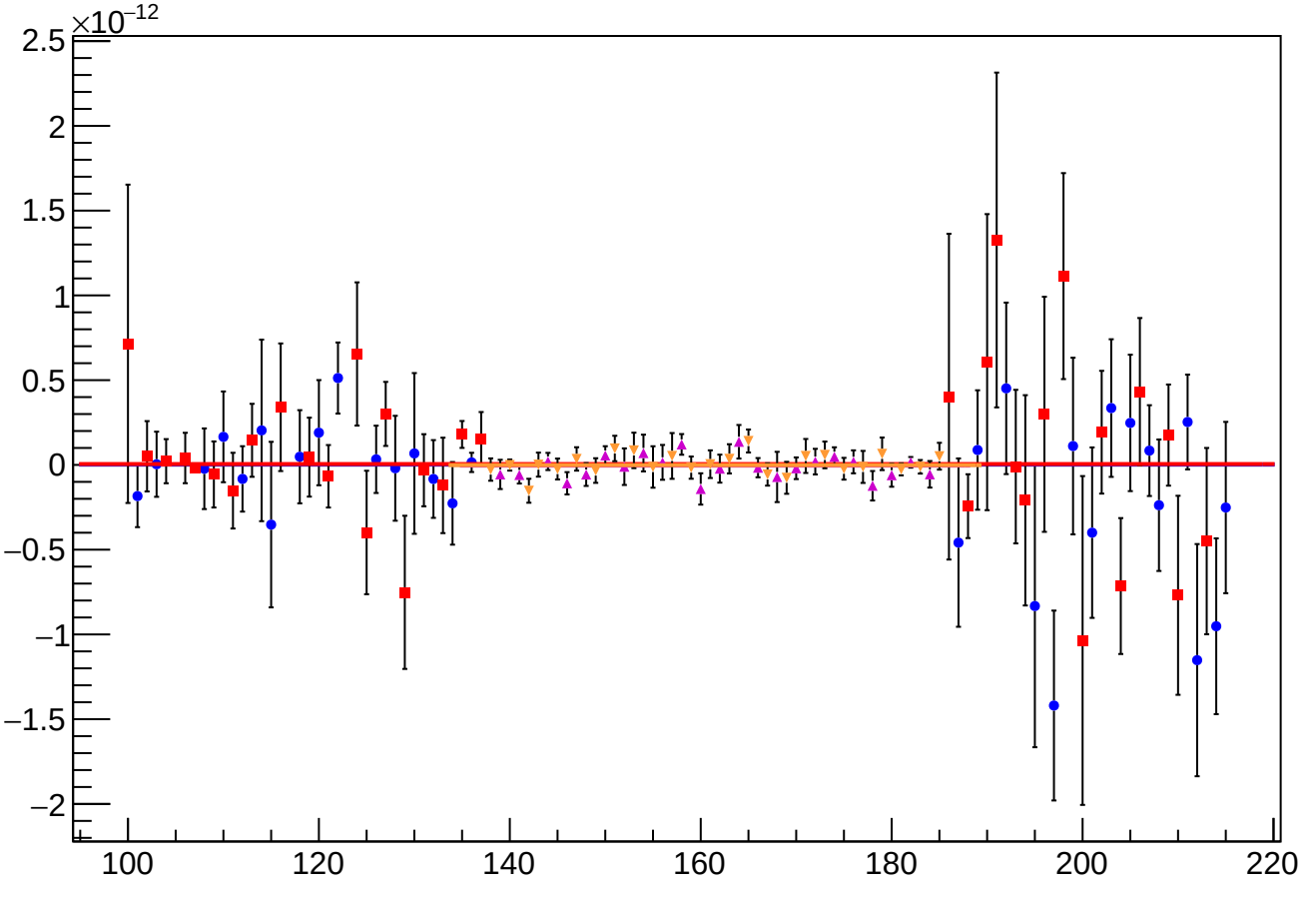
Right: 176.122+/-0.022 χ^2/NDF: 8509571.1/64

In: 208.044+/-0.026 χ^2/NDF:6841533.6/53

Out: 195.550+/-0.025 χ^2/NDF:11907786.2/58

All: 201.631+/-0.018 χ^2/NDF: 18869679.0/11

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.5/33

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

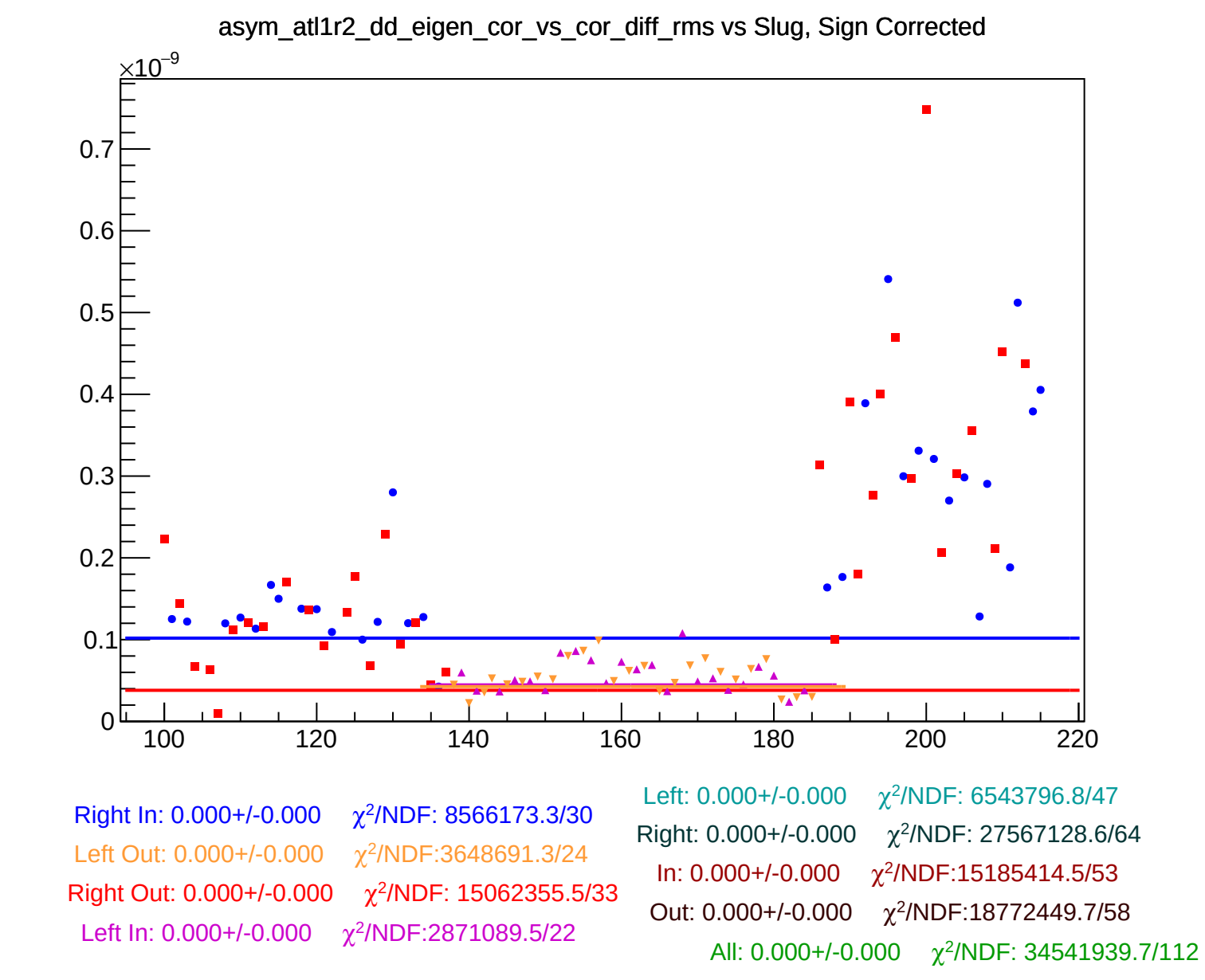
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

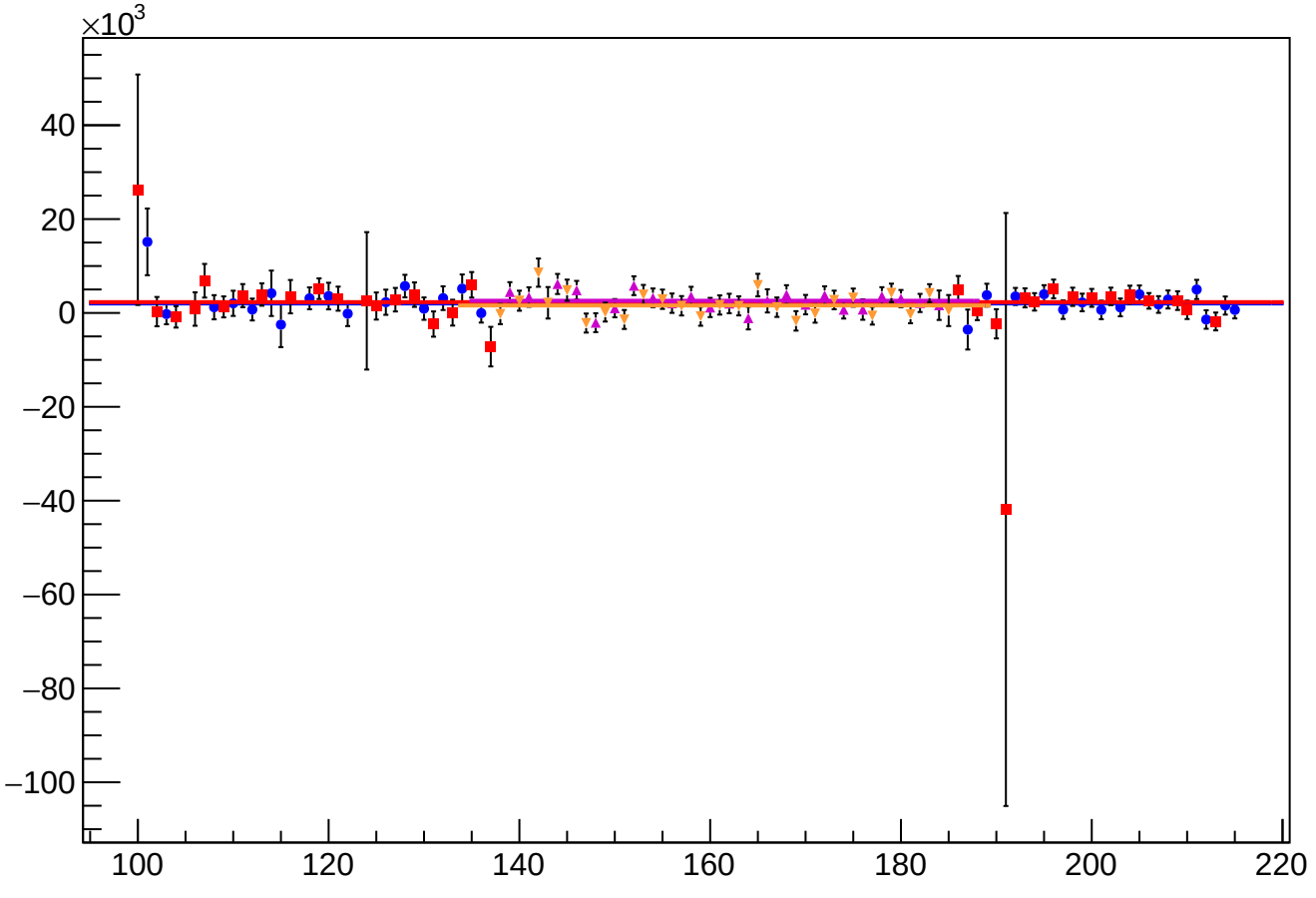
Right: 0.000+/-0.000 χ^2/NDF: 62.9/64

In: -0.000+/-0.000 χ^2/NDF:48.2/53

Out: 0.000+/-0.000 χ^2/NDF:51.0/58

All: -0.000+/-0.000 χ^2/NDF: 99.3/112


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: 8566173.3/30
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 15062355.5/33
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 27567128.6/64
In: 0.000+/-0.000 χ²/NDF:15185414.5/53
Out: 0.000+/-0.000 χ²/NDF:18772449.7/58
All: 0.000+/-0.000 χ²/NDF: 34541939.7/112



Right In: 2023.893+/-406.539 χ^2/NDF: 24.3/30

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2303.080+/-414.290 χ^2/NDF: 32.7/33

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

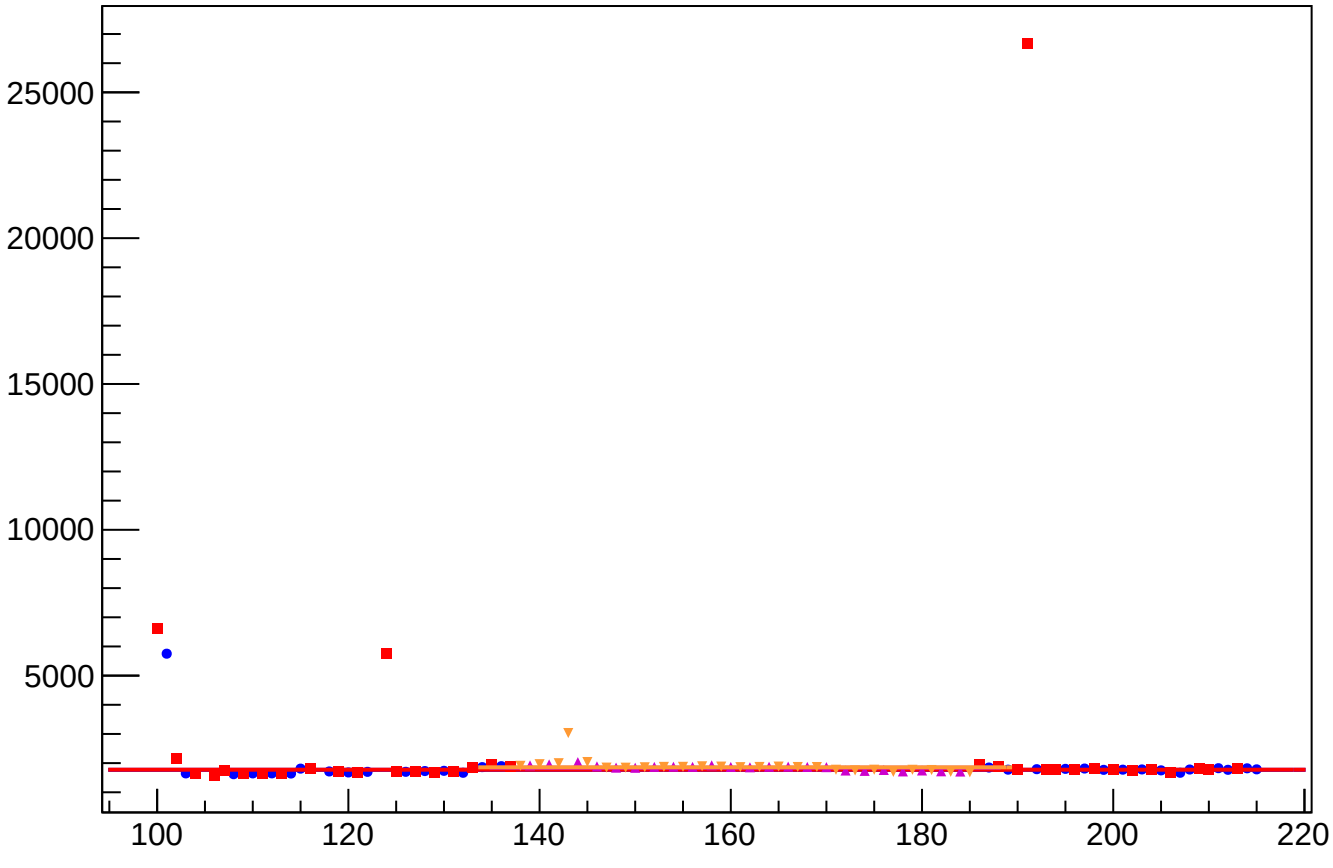
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2160.851+/-290.168 χ^2/NDF: 57.2/64

In: 2294.541+/-295.508 χ^2/NDF:45.3/53

Out: 1955.413+/-296.081 χ^2/NDF:65.4/58

All: 2125.306+/-209.158 χ^2/NDF: 111.3/112



Right In: 1768.974+/-0.287 χ^2/NDF: 684576.4/30

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1773.955+/-0.292 χ^2/NDF: 648692.1/33

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

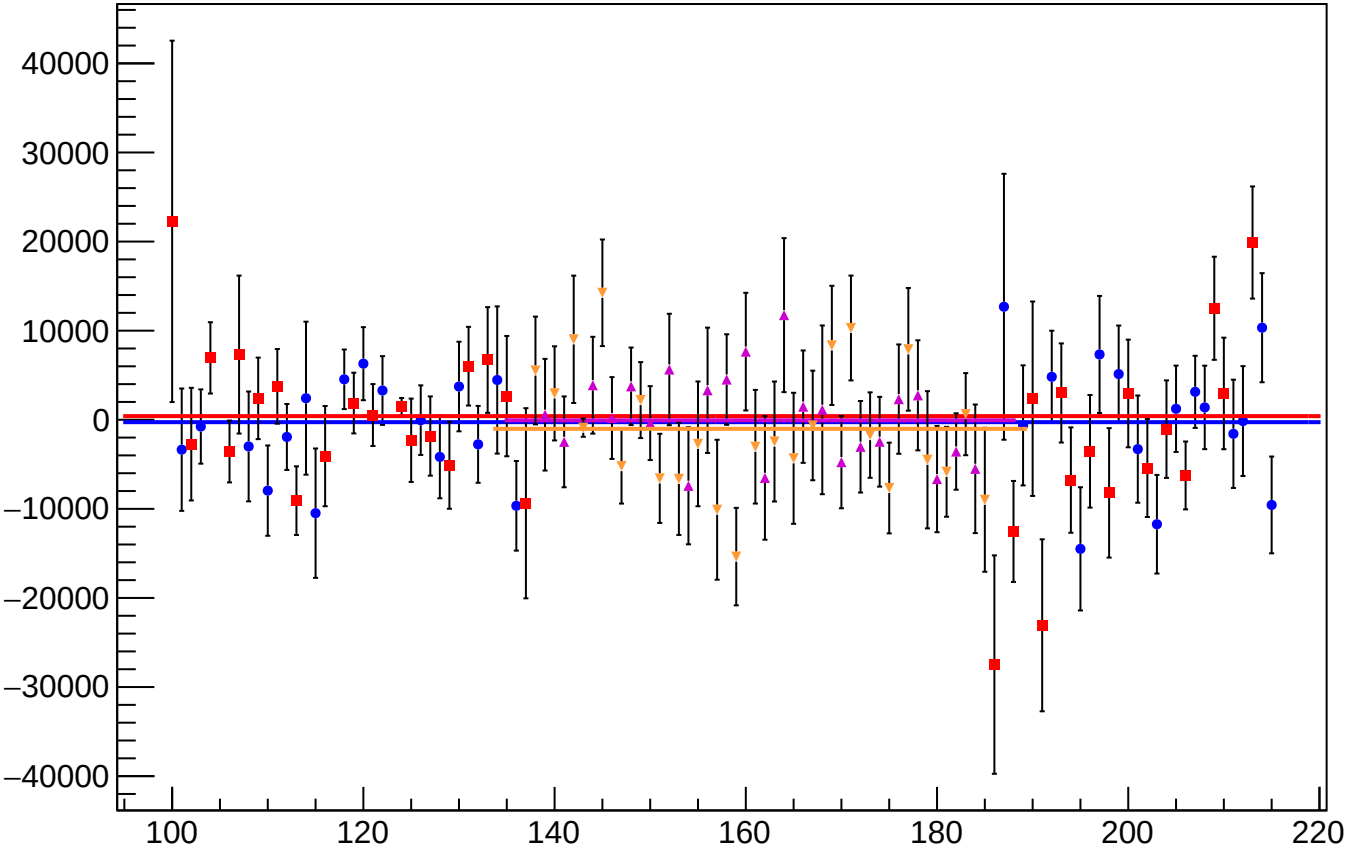
Right: 1771.425+/-0.205 χ^2/NDF: 1333416.3/64

In: 1802.935+/-0.209 χ^2/NDF:785154.8/53

Out: 1813.759+/-0.209 χ^2/NDF:1011033.8/58

All: 1808.345+/-0.148 χ^2/NDF: 1797529.7/11

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -269.920+/-916.684 χ^2/NDF: 35.7/30

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 407.860+/-658.829 χ^2/NDF: 58.9/33

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

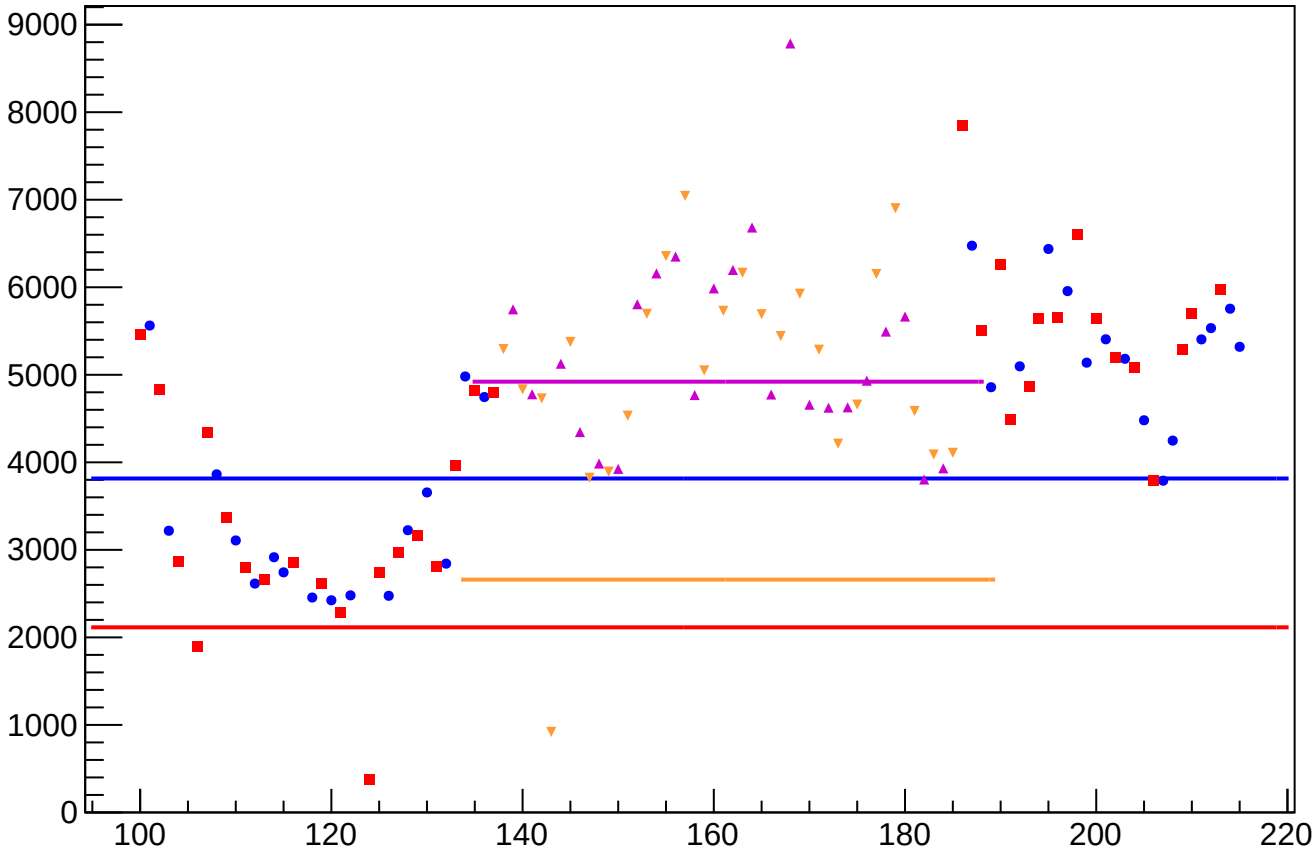
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 177.005+/-534.990 χ^2/NDF: 94.9/64

In: -191.260+/-722.387 χ^2/NDF:48.7/53

Out: -193.522+/-501.094 χ^2/NDF:94.6/58

All: -192.787+/-411.734 χ^2/NDF: 143.3/112



Right In: 3815.319+/-0.648 χ^2/NDF: 3580593.6/30

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2114.997+/-0.466 χ^2/NDF: 16934884.5/33

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

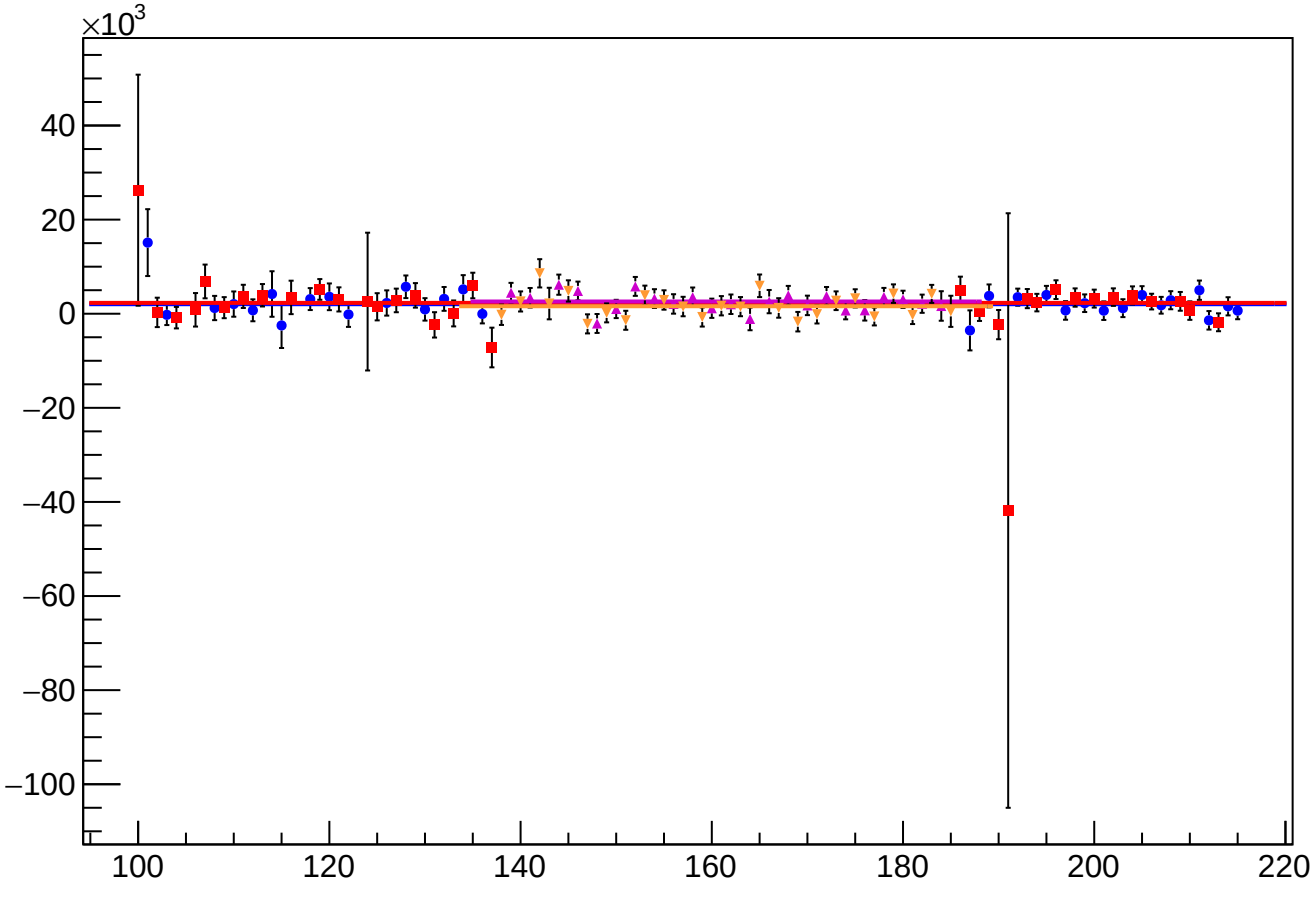
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2694.136+/-0.378 χ^2/NDF: 25052783.0/64

In: 4234.480+/-0.511 χ^2/NDF:5935098.0/53

Out: 2344.727+/-0.354 χ^2/NDF:32047868.6/58

All: 2958.630+/-0.291 χ^2/NDF: 47223459.7/1



Right In: 2023.704+/-406.539 χ^2/NDF: 24.3/30

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2303.099+/-414.290 χ^2/NDF: 32.7/33

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

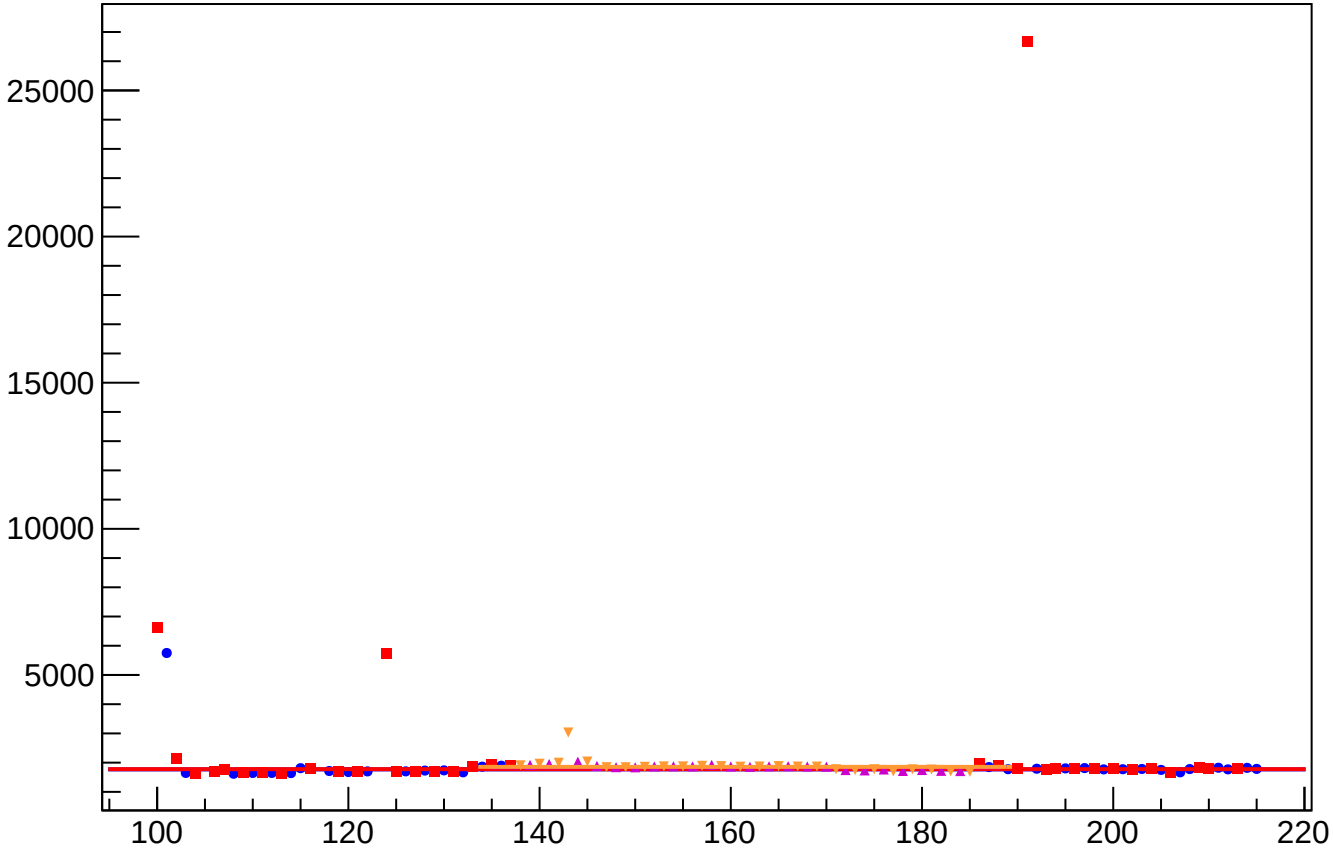
Right: 2160.763+/-290.168 χ^2/NDF: 57.1/64

In: 2294.475+/-295.508 χ^2/NDF:45.3/53

Out: 1955.407+/-296.081 χ^2/NDF:65.4/58

All: 2125.269+/-209.158 χ^2/NDF: 111.3/112

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.974+/-0.287 χ^2/NDF: 684576.7/30

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1776.747+/-0.293 χ^2/NDF: 639965.6/33

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

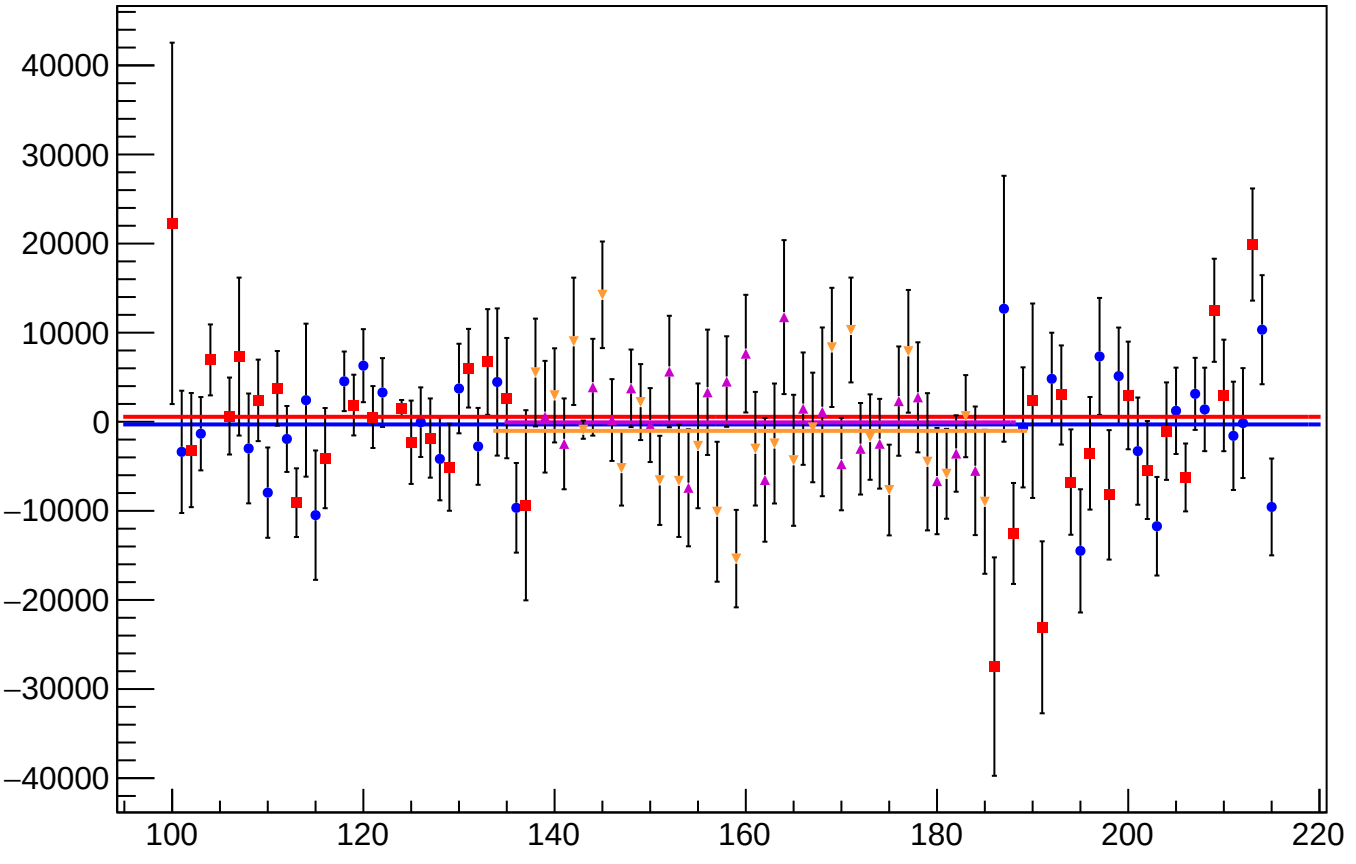
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1772.793+/-0.205 χ^2/NDF: 1324901.4/64

In: 1802.935+/-0.209 χ^2/NDF:785155.2/53

Out: 1815.247+/-0.209 χ^2/NDF:999696.4/58

All: 1809.084+/-0.148 χ^2/NDF: 1786585.2/11



Right In: -299.829+/-916.109 χ^2/NDF: 35.7/30

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 556.603+/-663.101 χ^2/NDF: 57.6/33

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

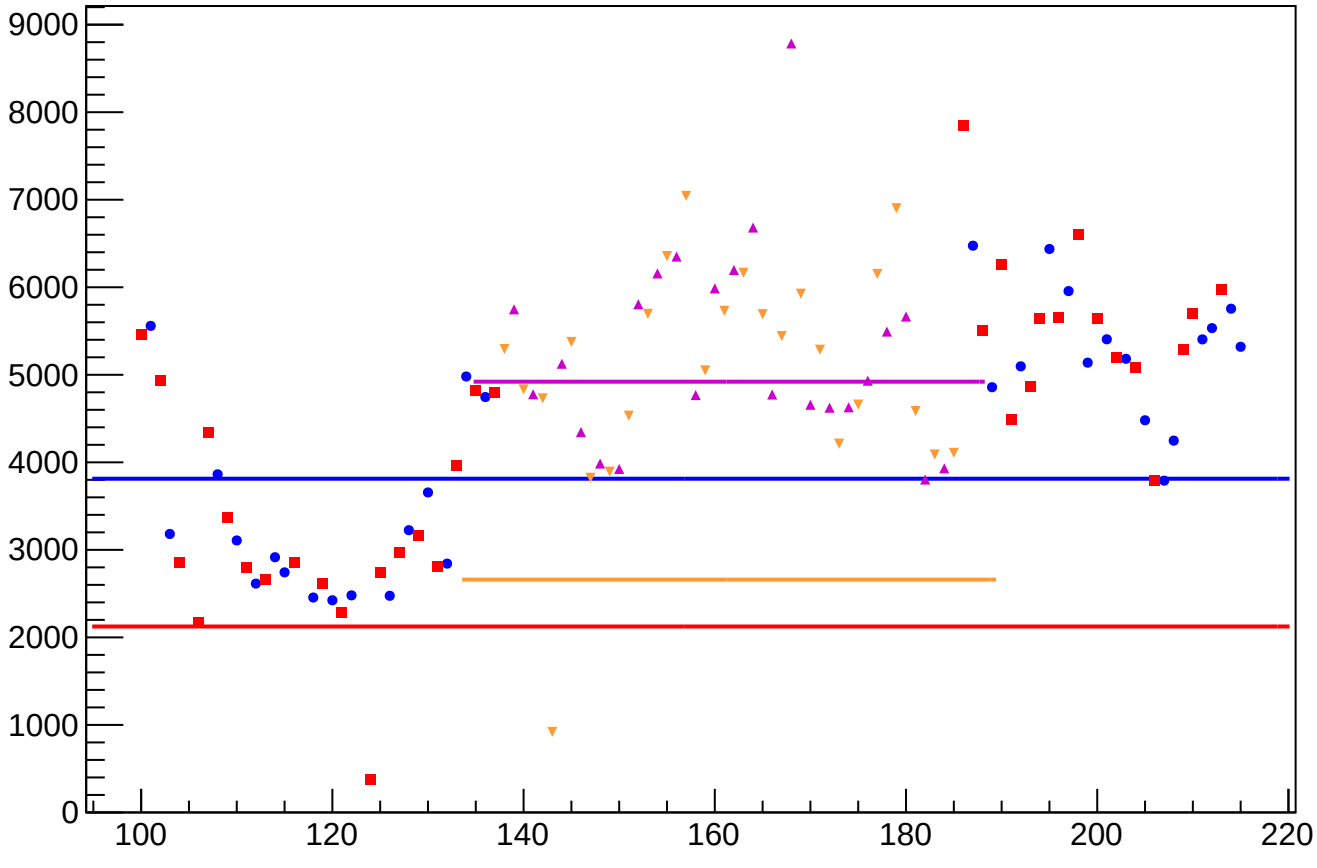
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 262.164+/-537.154 χ^2/NDF: 93.9/64

In: -209.873+/-722.105 χ^2/NDF:48.8/53

Out: -112.400+/-502.961 χ^2/NDF:93.8/58

All: -144.241+/-412.715 χ^2/NDF: 142.6/112



Right In: 3812.739+/-0.648 χ^2/NDF: 3586551.2/30

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2124.488+/-0.469 χ^2/NDF: 16942059.3/33

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

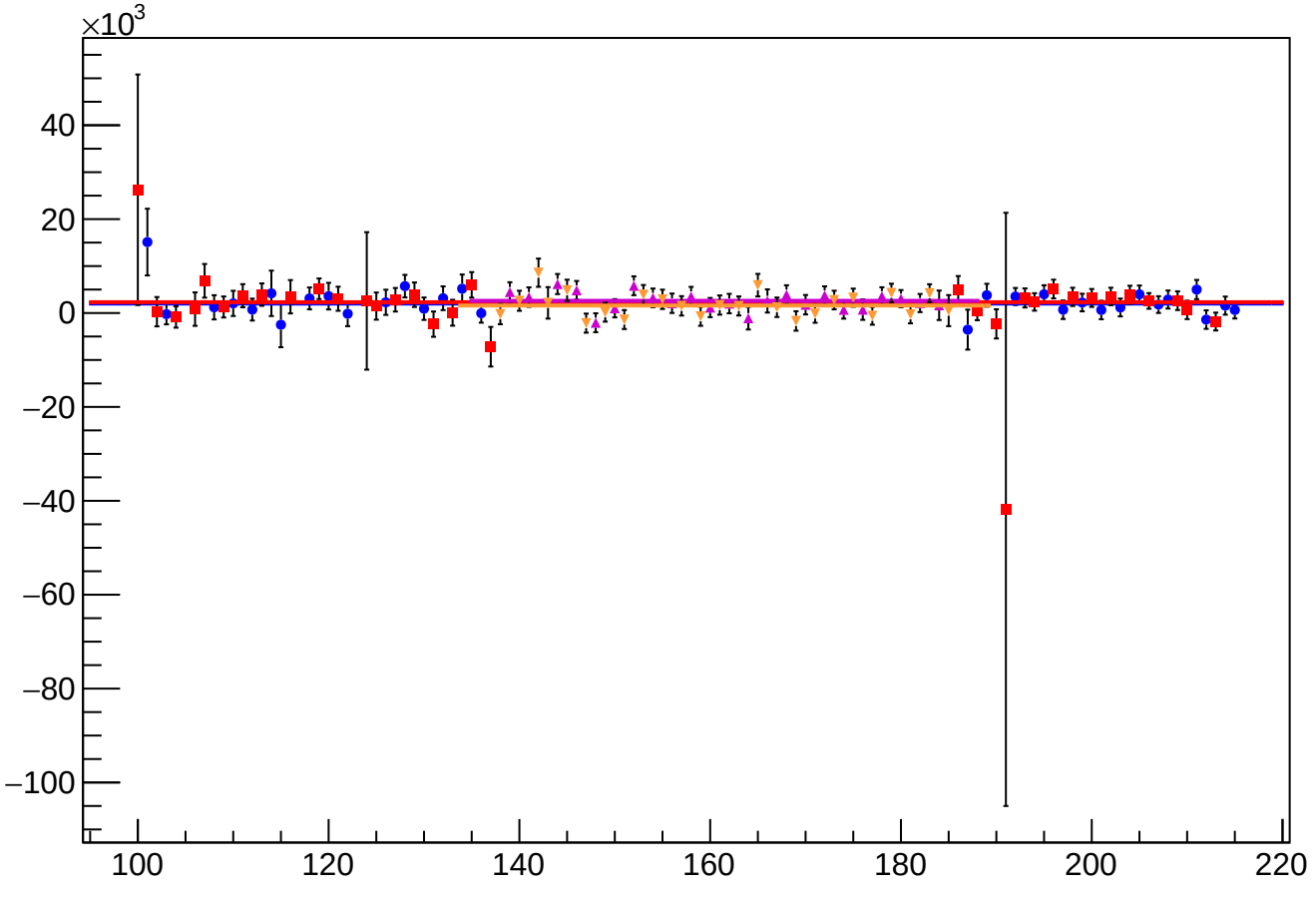
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2704.904+/-0.380 χ^2/NDF: 24985661.8/64

In: 4232.549+/-0.511 χ^2/NDF:5946740.8/53

Out: 2351.869+/-0.356 χ^2/NDF:32032629.7/58

All: 2966.219+/-0.292 χ^2/NDF: 47114006.5/1



Right In: 2023.704+/-406.539 χ^2/NDF: 24.3/30

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2303.099+/-414.290 χ^2/NDF: 32.7/33

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

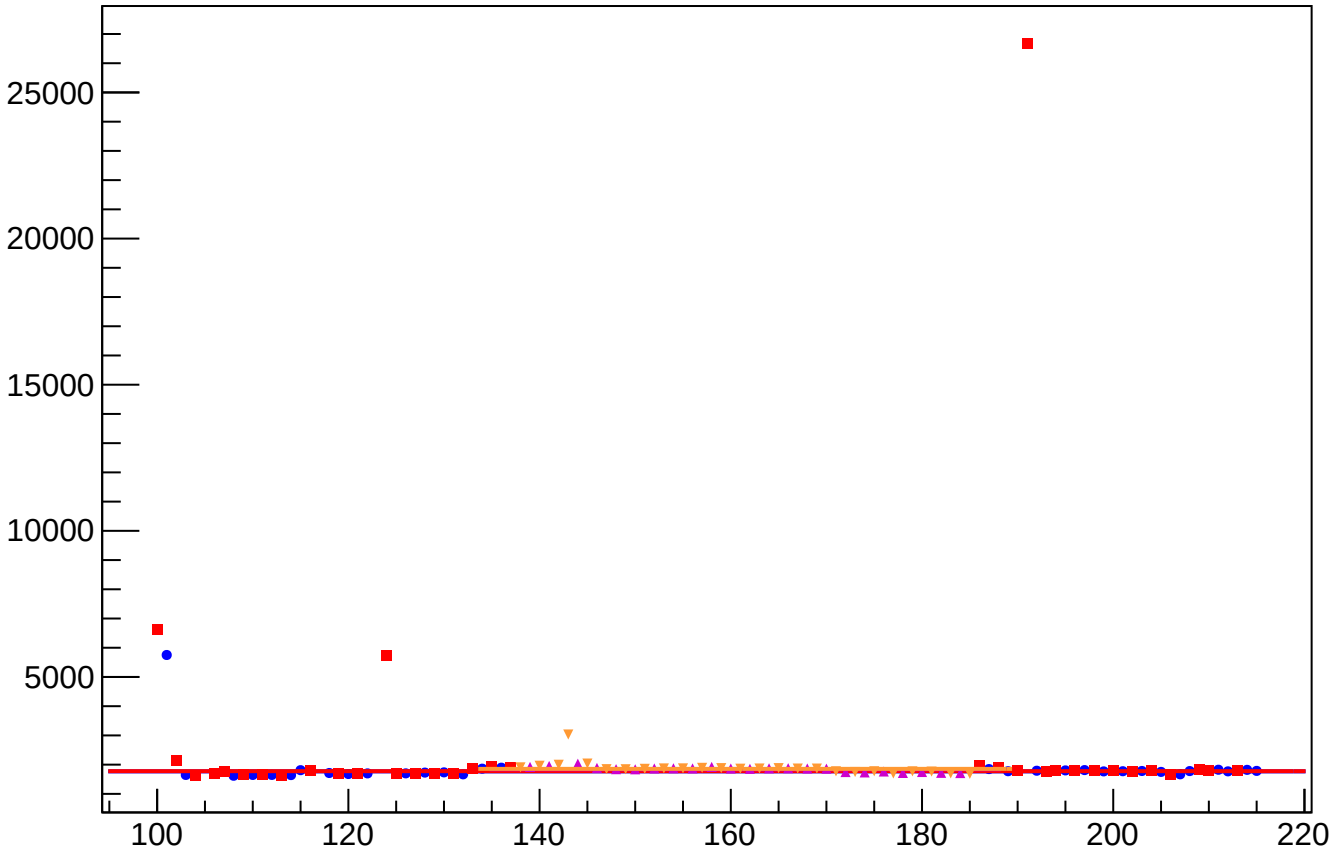
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2160.763+/-290.168 χ^2/NDF: 57.1/64

In: 2294.475+/-295.508 χ^2/NDF:45.3/53

Out: 1955.407+/-296.081 χ^2/NDF:65.4/58

All: 2125.269+/-209.158 χ^2/NDF: 111.3/112



Right In: 1768.974+/-0.287 χ^2/NDF: 684576.7/30

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1776.747+/-0.293 χ^2/NDF: 639965.6/33

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

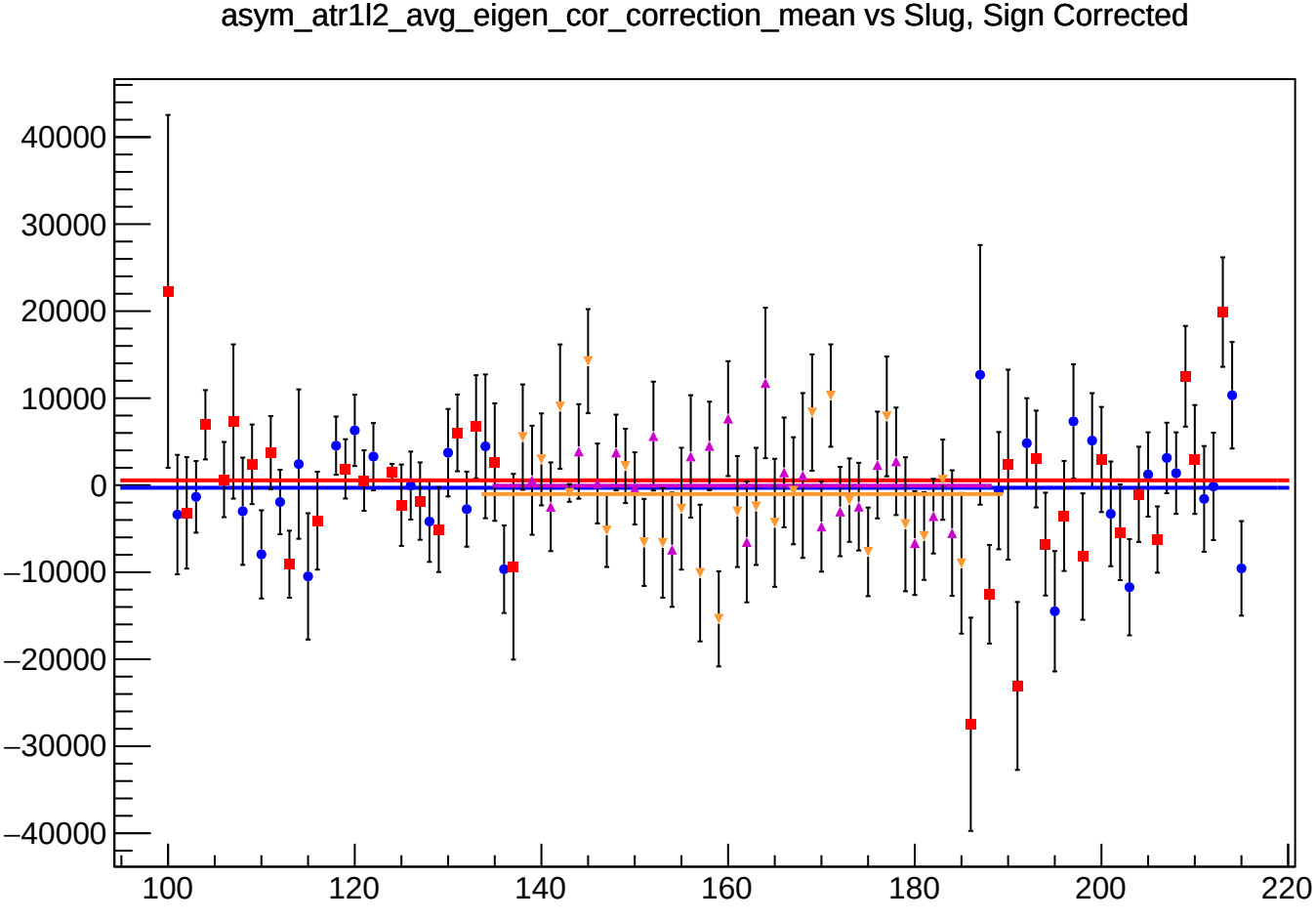
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1772.793+/-0.205 χ^2/NDF: 1324901.4/64

In: 1802.935+/-0.209 χ^2/NDF:785155.2/53

Out: 1815.247+/-0.209 χ^2/NDF:999696.4/58

All: 1809.084+/-0.148 χ^2/NDF: 1786585.2/11



Right In: -299.829+/-916.109 χ^2/NDF: 35.7/30

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 556.603+/-663.101 χ^2/NDF: 57.6/33

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

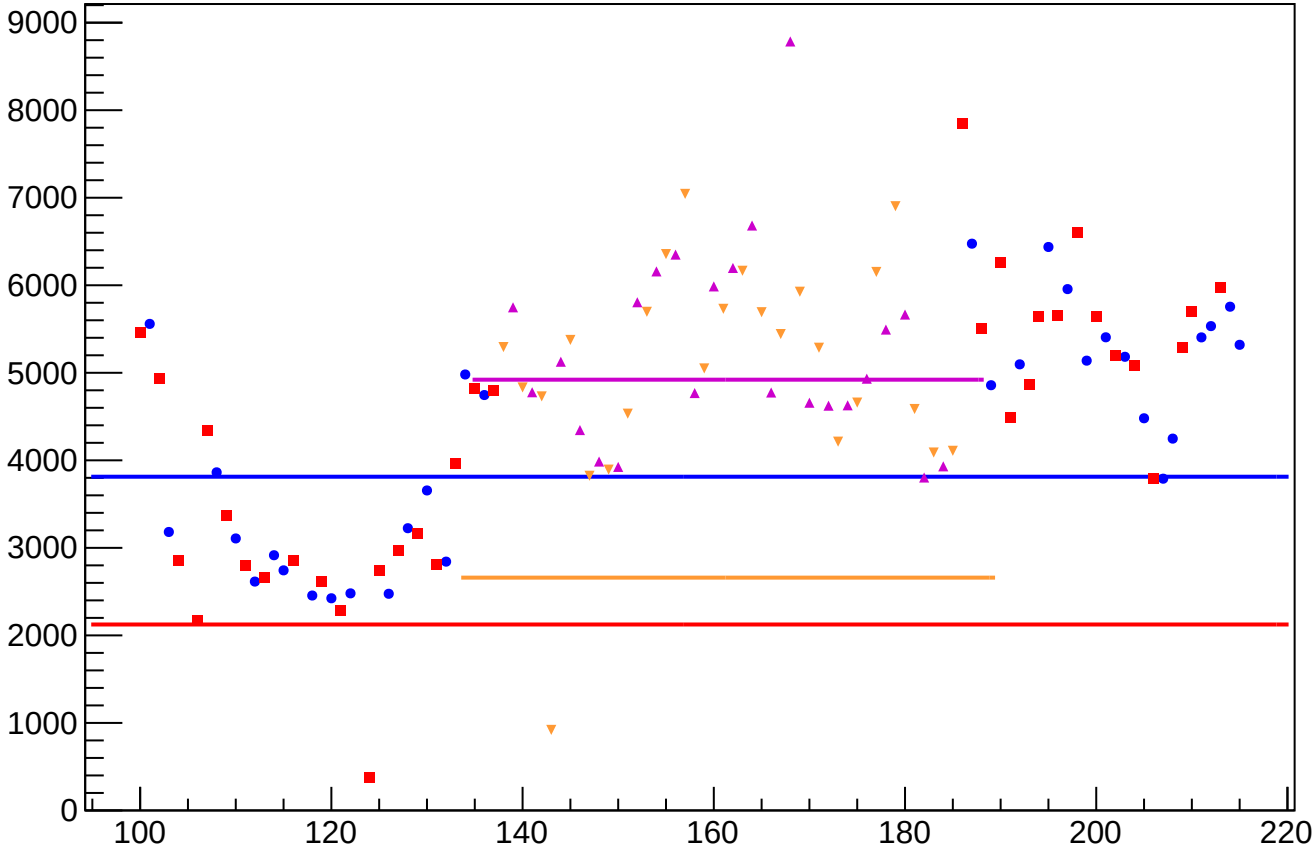
Right: 262.164+/-537.154 χ^2/NDF: 93.9/64

In: -209.873+/-722.105 χ^2/NDF:48.8/53

Out: -112.400+/-502.961 χ^2/NDF:93.8/58

All: -144.241+/-412.715 χ^2/NDF: 142.6/112

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3812.739+/-0.648 χ^2/NDF: 3586551.2/30

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2124.488+/-0.469 χ^2/NDF: 16942059.3/33

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

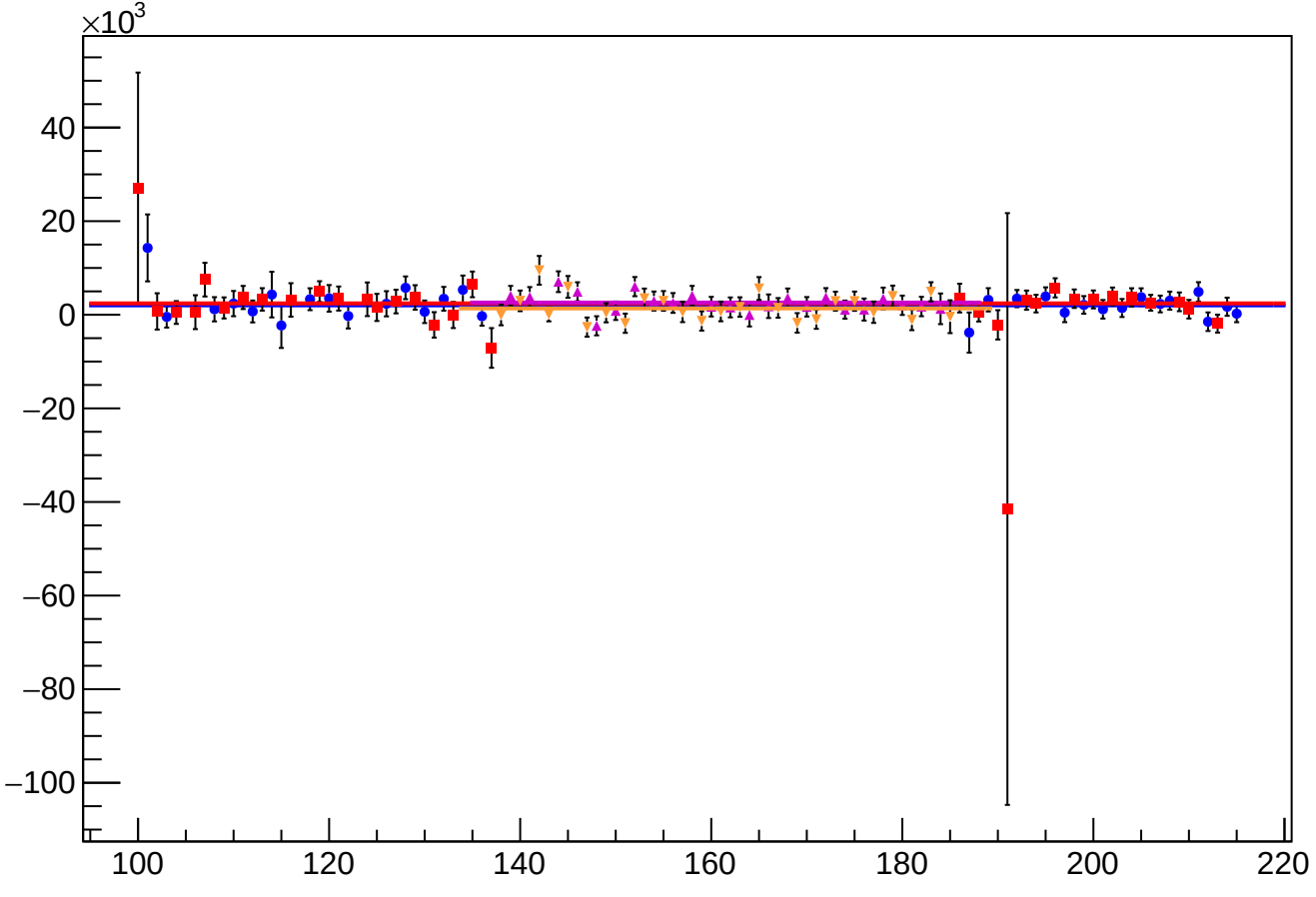
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2704.904+/-0.380 χ^2/NDF: 24985661.8/64

In: 4232.549+/-0.511 χ^2/NDF:5946740.8/53

Out: 2351.869+/-0.356 χ^2/NDF:32032629.7/58

All: 2966.219+/-0.292 χ^2/NDF: 47114006.5/1



Right In: 2018.830+/-410.579 χ^2/NDF: 24.1/30

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2429.562+/-417.405 χ^2/NDF: 31.0/33

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

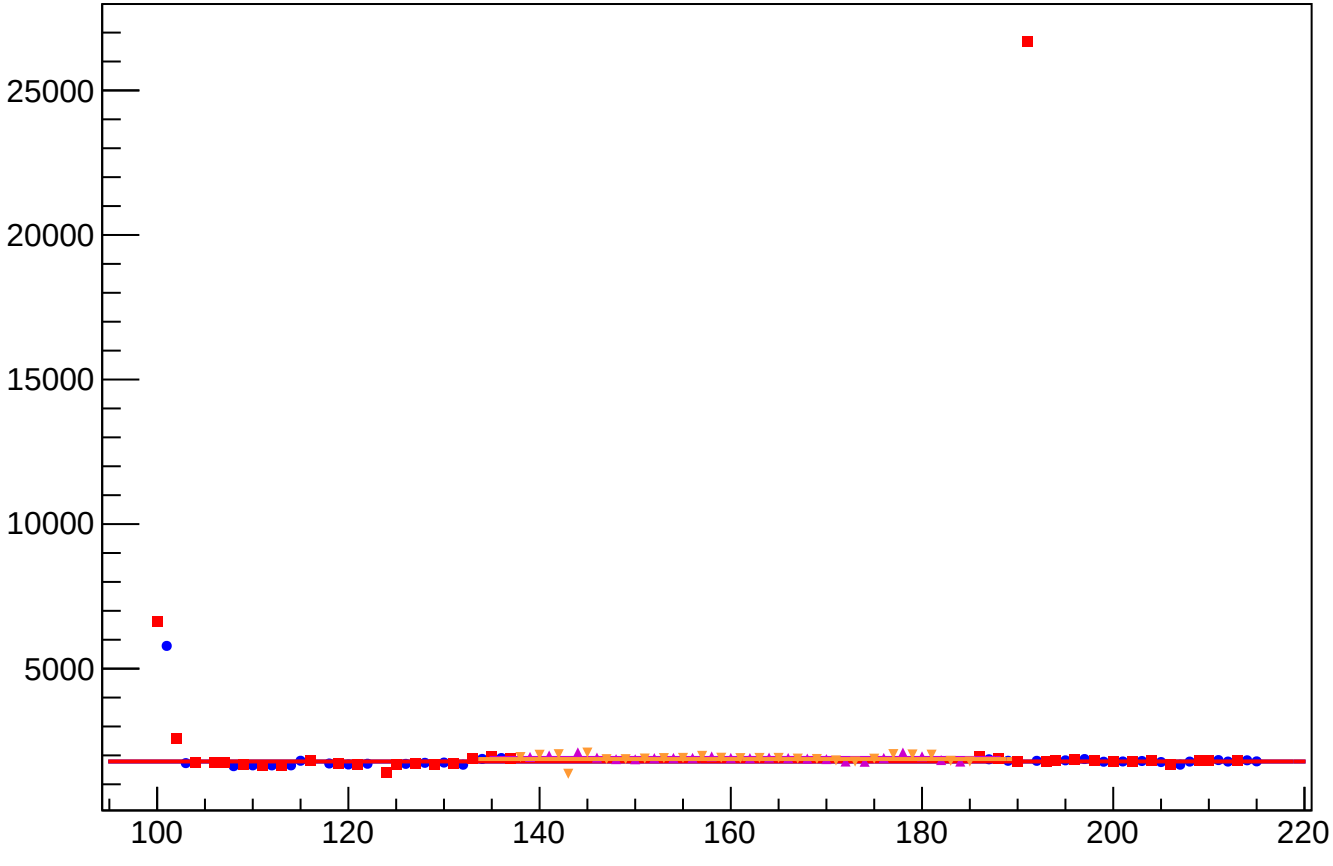
Right: 2220.810+/-292.707 χ^2/NDF: 55.6/64

In: 2286.243+/-302.300 χ^2/NDF:45.0/53

Out: 1909.246+/-298.598 χ^2/NDF:70.3/58

All: 2095.422+/-212.438 χ^2/NDF: 116.1/112

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1786.374+/-0.290 χ^2/NDF: 684725.9/30

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.479+/-0.295 χ^2/NDF: 563167.1/33

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

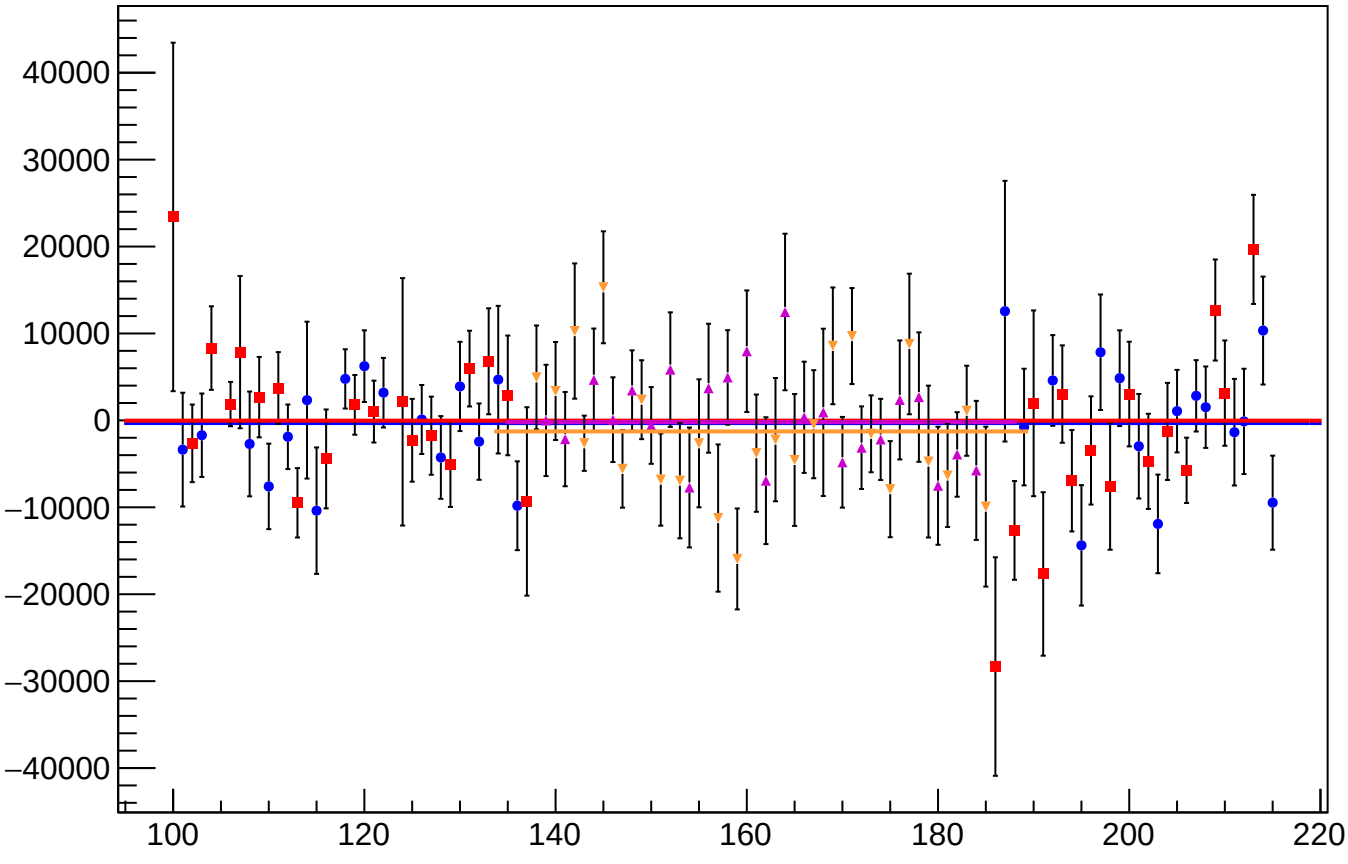
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1788.395+/-0.207 χ^2/NDF: 1247991.4/64

In: 1843.633+/-0.214 χ^2/NDF:828816.0/53

Out: 1830.812+/-0.211 χ^2/NDF:911271.8/58

All: 1837.140+/-0.150 χ^2/NDF: 1741909.8/11



Right In: -308.202+/-929.274 χ^2/NDF: 34.9/30

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -30.654+/-882.680 χ^2/NDF: 54.2/33

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

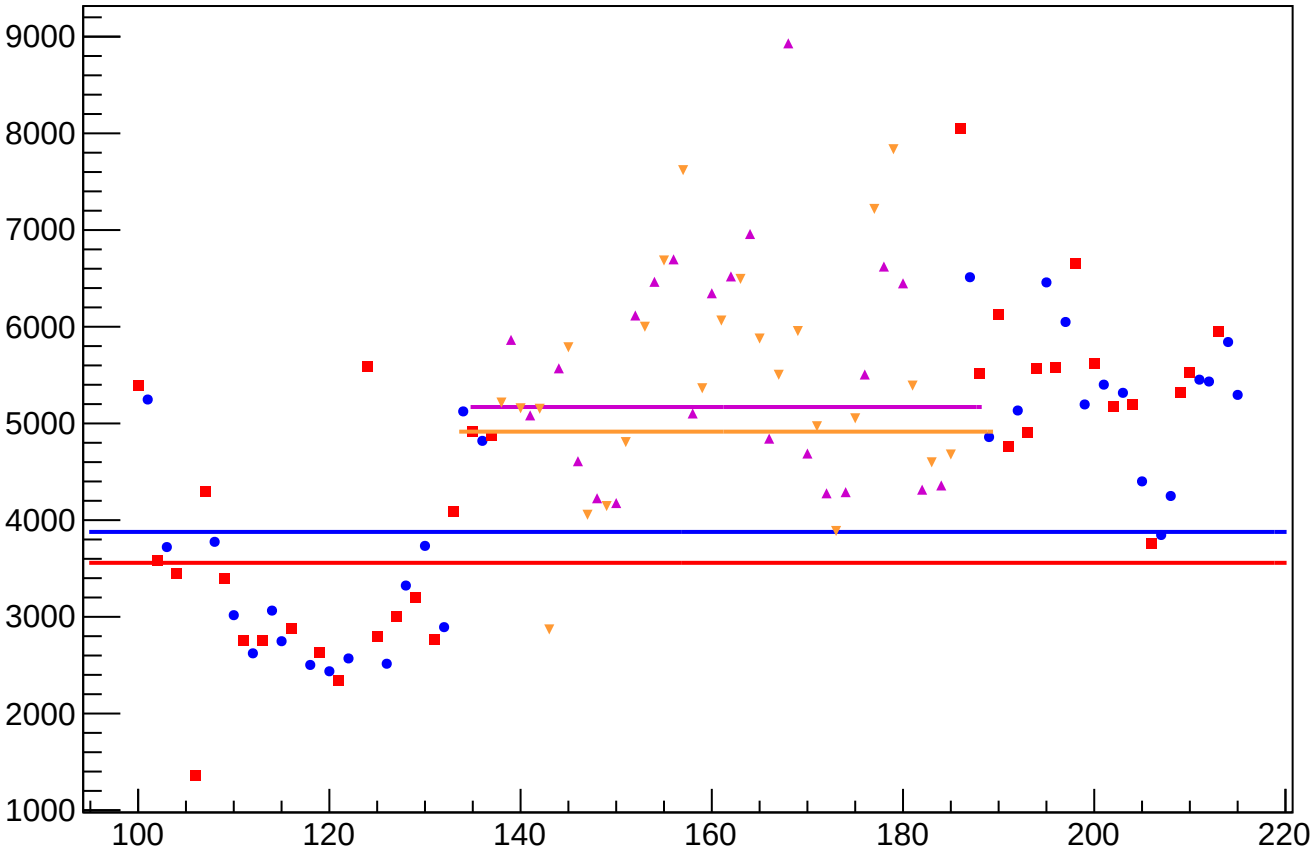
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -162.295+/-639.987 χ^2/NDF: 89.2/64

In: -267.953+/-742.445 χ^2/NDF:47.7/53

Out: -486.950+/-701.579 χ^2/NDF:88.4/58

All: -383.644+/-509.927 χ^2/NDF: 136.1/112



Right In: 3878.217+/-0.657 χ^2/NDF: 3425416.6/30

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3558.564+/-0.624 χ^2/NDF: 5244691.6/33

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

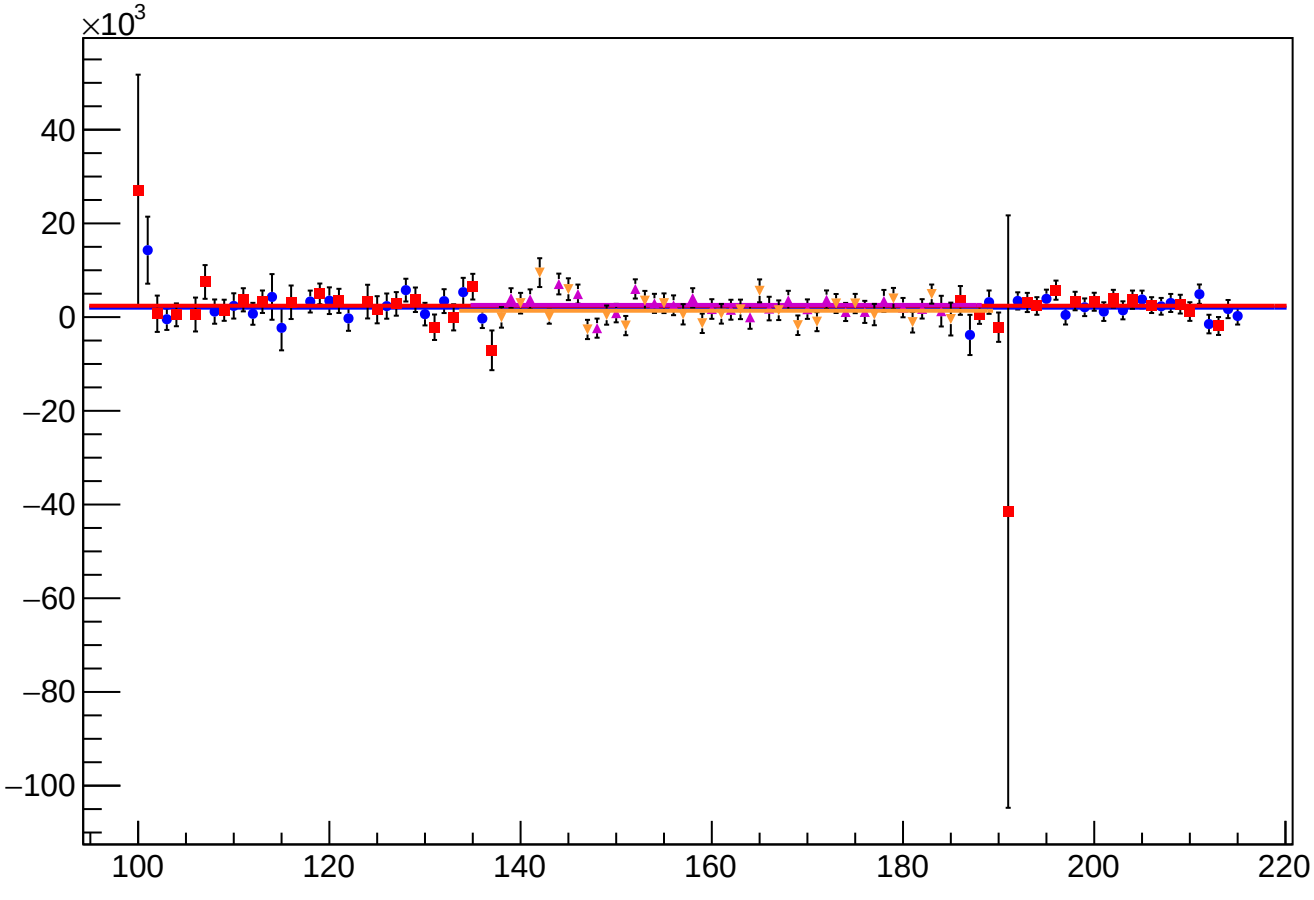
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3710.176+/-0.453 χ^2/NDF: 8794512.7/64

In: 4345.434+/-0.525 χ^2/NDF:6171975.5/53

Out: 4058.157+/-0.496 χ^2/NDF:9150794.1/58

All: 4193.672+/-0.361 χ^2/NDF: 15480954.3/1



Right In: 2018.831+/-410.579 χ^2/NDF: 24.1/30

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2429.558+/-417.405 χ^2/NDF: 31.0/33

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

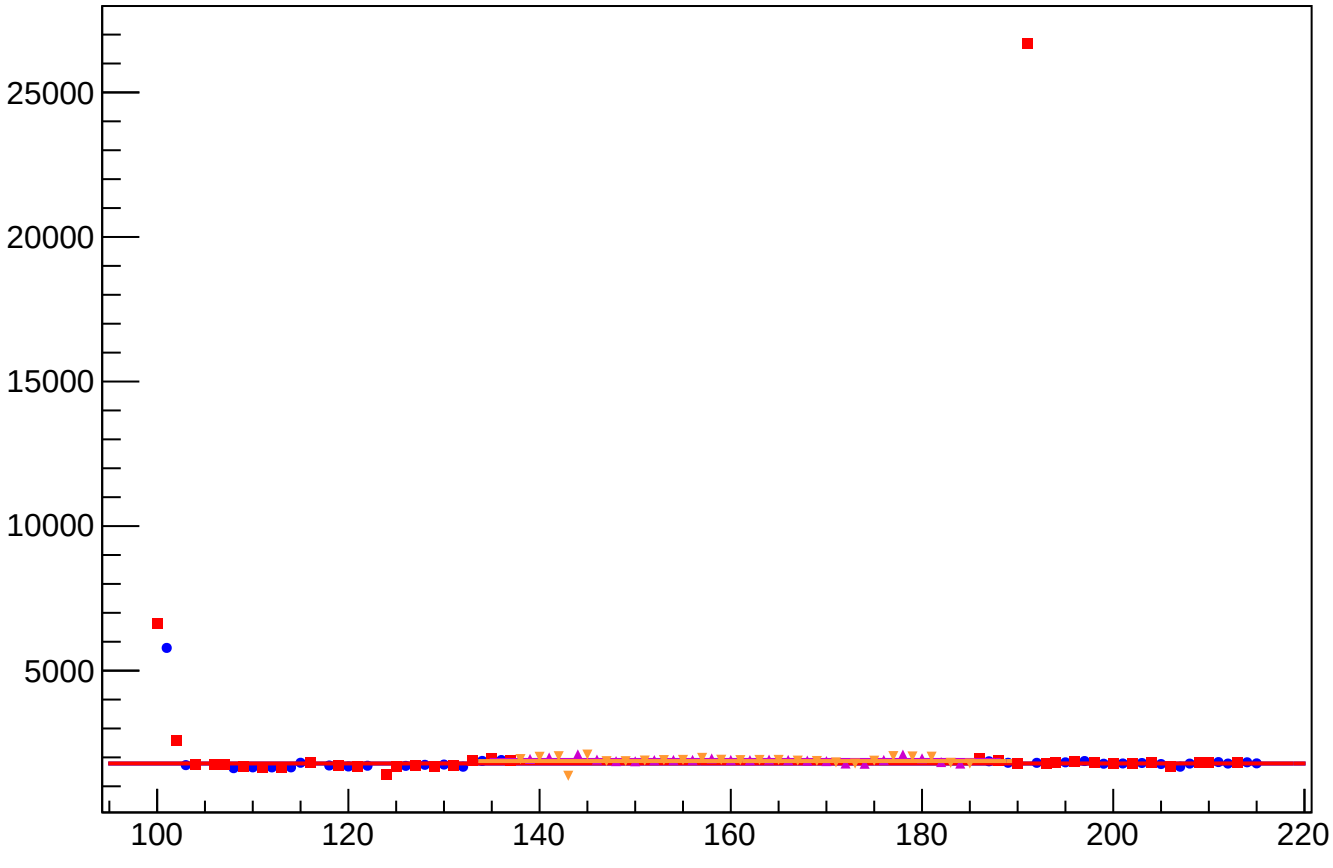
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2220.809+/-292.707 χ^2/NDF: 55.6/64

In: 2286.242+/-302.300 χ^2/NDF:45.0/53

Out: 1909.243+/-298.598 χ^2/NDF:70.3/58

All: 2095.420+/-212.438 χ^2/NDF: 116.1/112



Right In: 1786.374+/-0.290 χ^2/NDF: 684726.0/30

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1790.479+/-0.295 χ^2/NDF: 563167.1/33

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

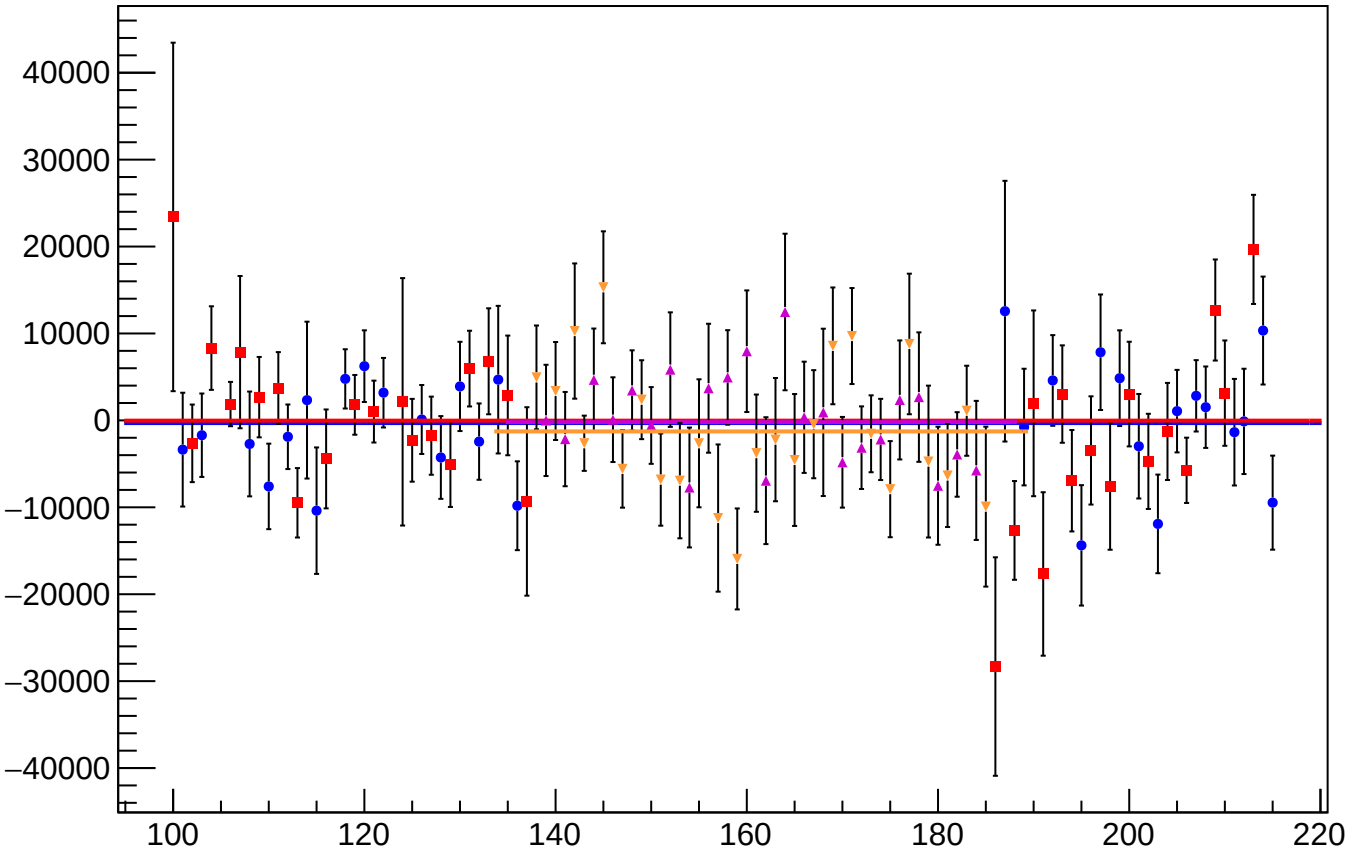
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1788.395+/-0.207 χ^2/NDF: 1247991.5/64

In: 1843.634+/-0.214 χ^2/NDF:828819.7/53

Out: 1830.813+/-0.211 χ^2/NDF:911276.4/58

All: 1837.141+/-0.150 χ^2/NDF: 1741918.1/11



Right In: -308.198+/-929.273 χ^2/NDF: 34.9/30

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -30.649+/-882.678 χ^2/NDF: 54.2/33

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

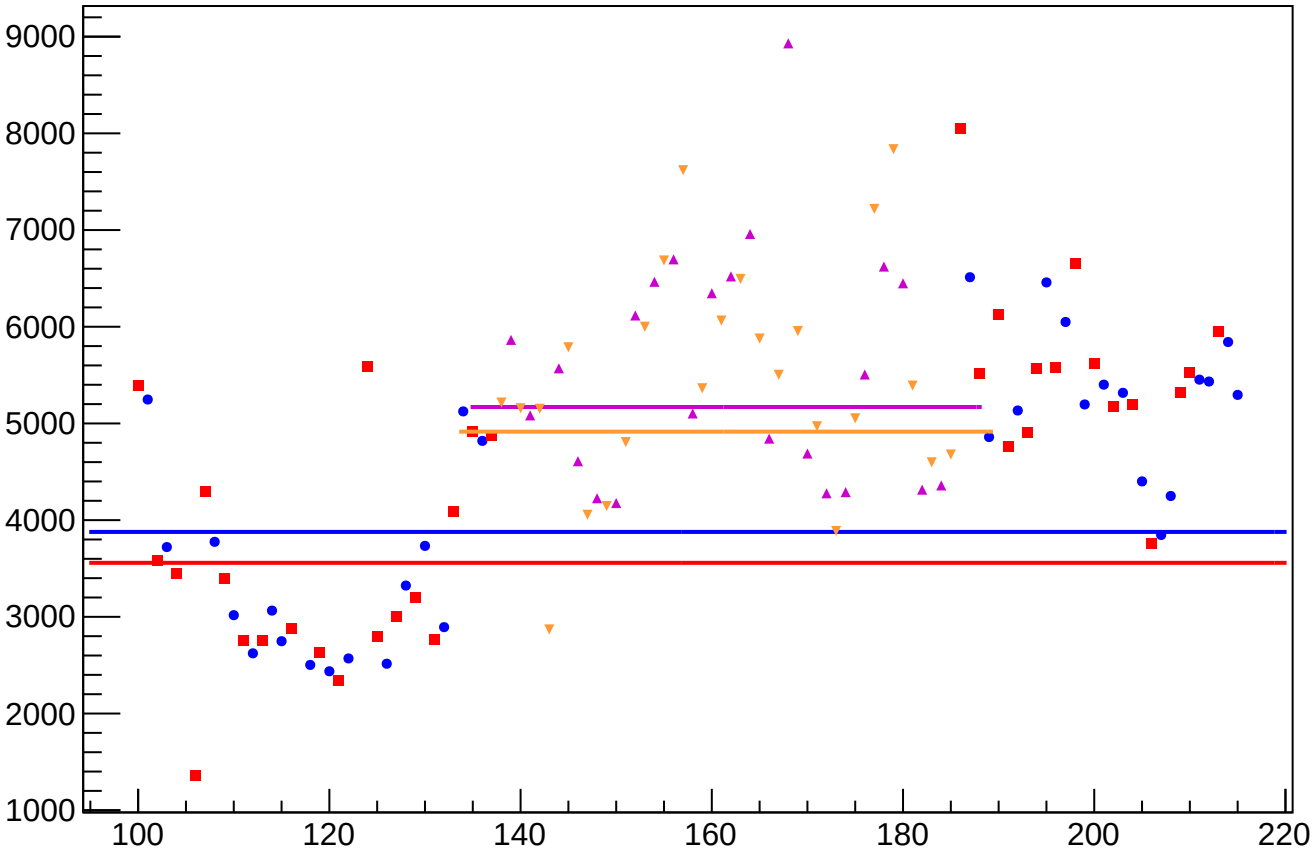
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -162.291+/-639.986 χ^2/NDF: 89.2/64

In: -267.951+/-742.445 χ^2/NDF:47.7/53

Out: -486.948+/-701.579 χ^2/NDF:88.4/58

All: -383.642+/-509.926 χ^2/NDF: 136.1/112



Right In: 3878.211+/-0.657 χ^2/NDF: 3425473.5/30

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3558.553+/-0.624 χ^2/NDF: 5244767.9/33

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

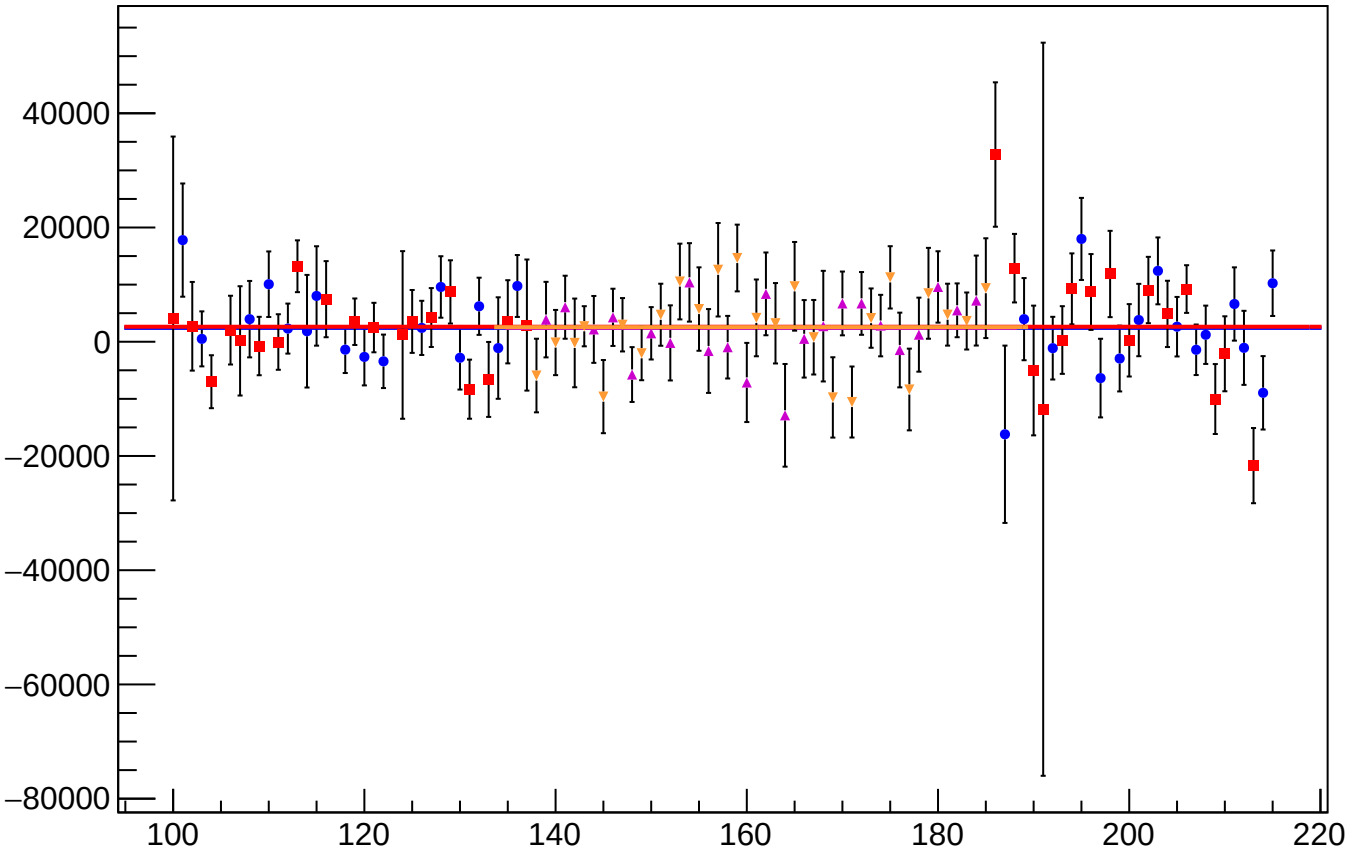
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3710.167+/-0.453 χ^2/NDF: 8794650.2/64

In: 4345.431+/-0.525 χ^2/NDF:6172063.3/53

Out: 4058.150+/-0.496 χ^2/NDF:9150922.7/58

All: 4193.667+/-0.361 χ^2/NDF: 15481175.3/1



Right In: 2422.612+/-1033.852 χ^2/NDF: 32.1/30

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 2627.170+/-1045.985 χ^2/NDF: 54.2/33

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

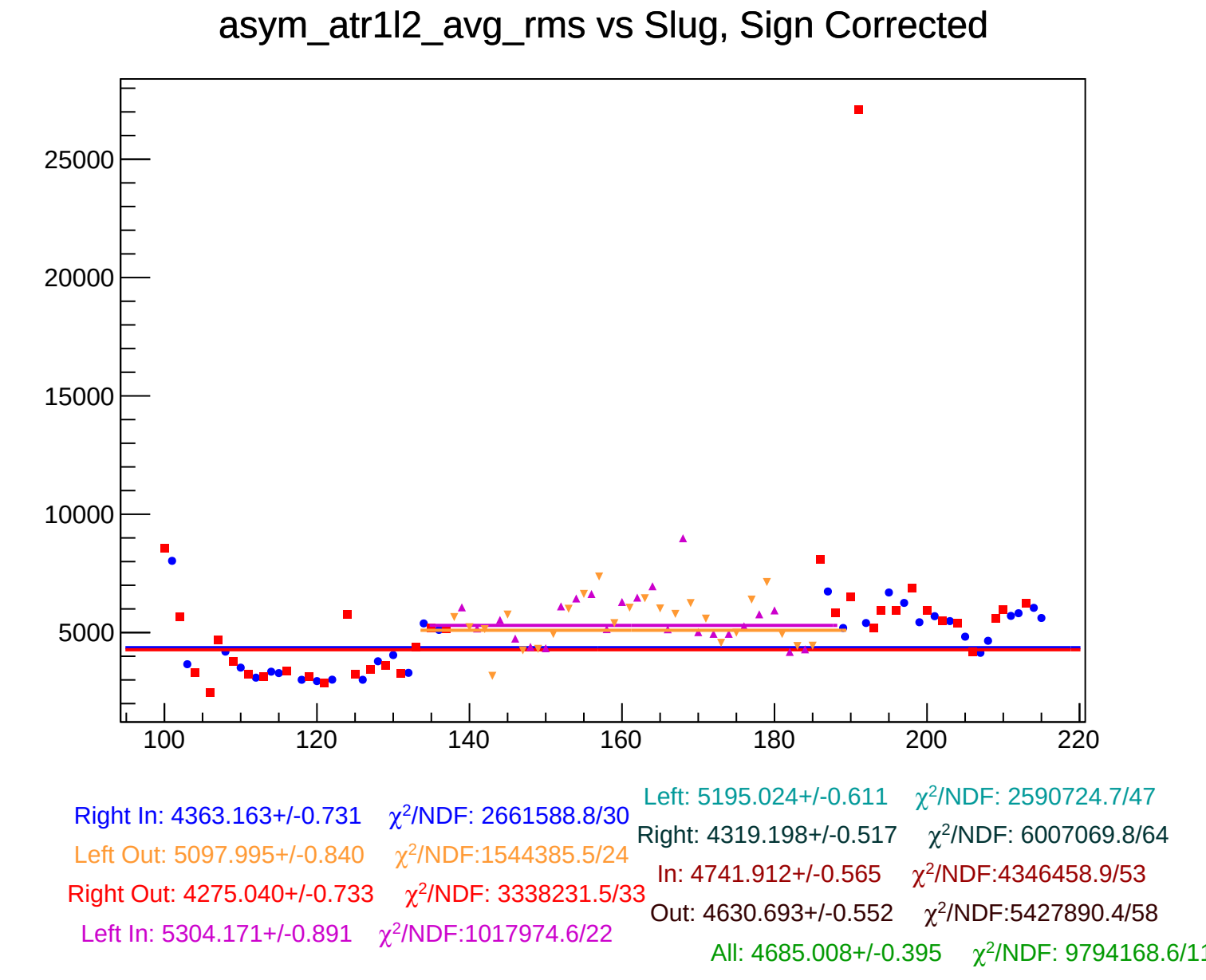
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

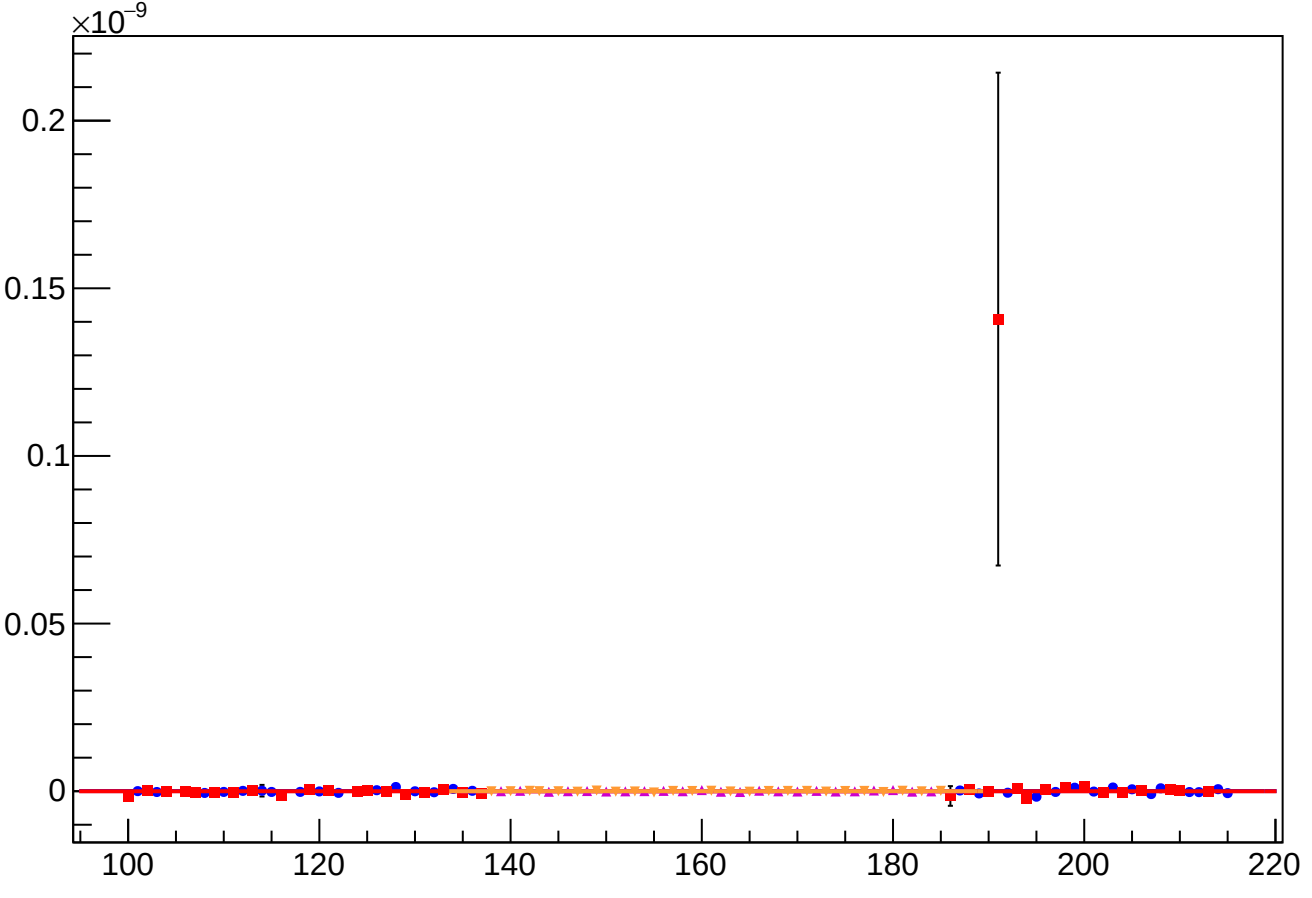
Right: 2523.698+/-735.296 χ^2/NDF: 86.2/64

In: 2422.775+/-799.153 χ^2/NDF:47.1/53

Out: 2592.181+/-784.961 χ^2/NDF:83.2/58

All: 2508.996+/-560.001 χ^2/NDF: 130.3/112


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4363.163+/-0.731 χ²/NDF: 2661588.8/30
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4275.040+/-0.733 χ²/NDF: 3338231.5/33
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4319.198+/-0.517 χ²/NDF: 6007069.8/64
In: 4741.912+/-0.565 χ²/NDF:4346458.9/53
Out: 4630.693+/-0.552 χ²/NDF:5427890.4/58
All: 4685.008+/-0.395 χ²/NDF: 9794168.6/11



Right In: 0.000+/-0.000 χ^2/NDF: 38.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.2/33

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

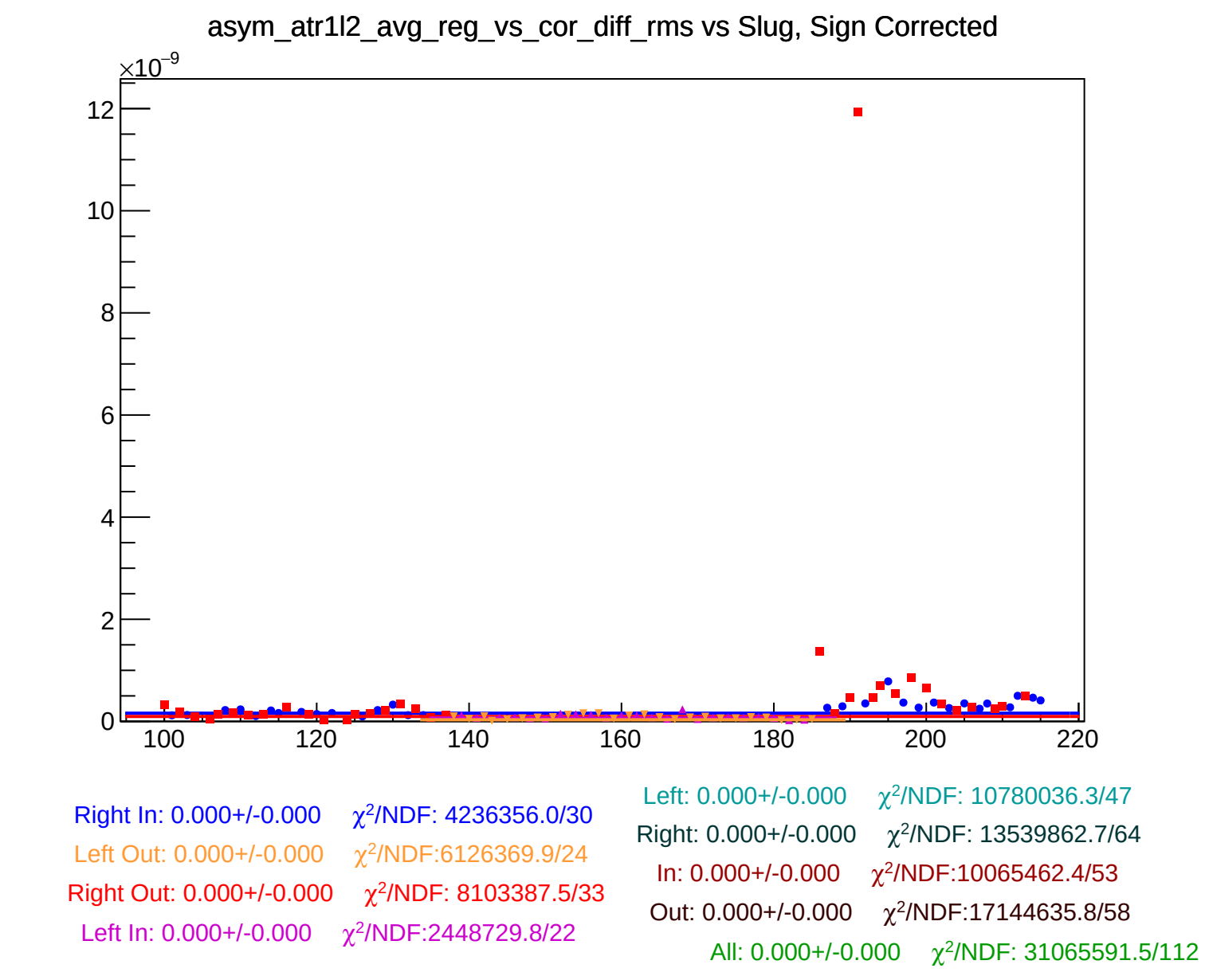
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

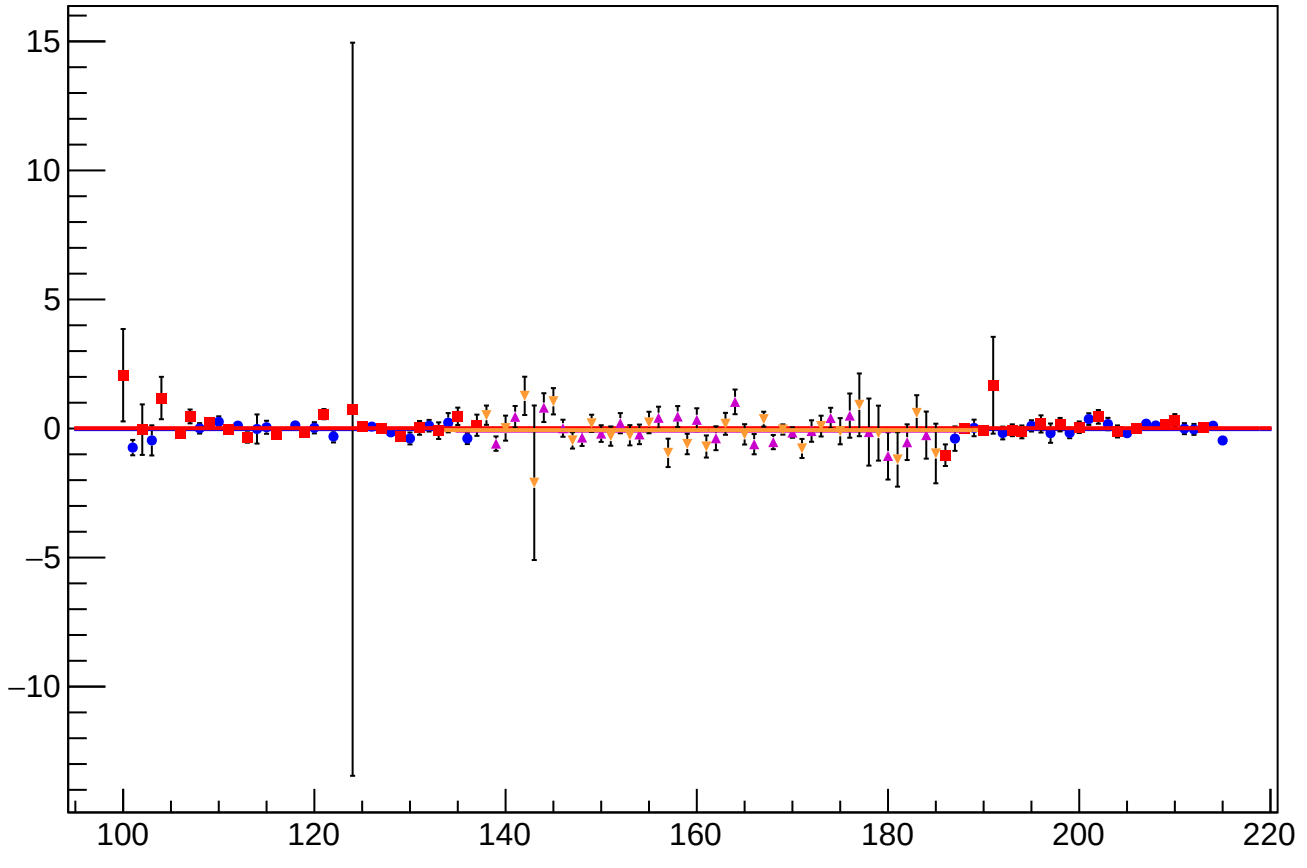
Right: 0.000+/-0.000 χ^2/NDF: 80.1/64

In: 0.000+/-0.000 χ^2/NDF:61.7/53

Out: 0.000+/-0.000 χ^2/NDF:56.5/58

All: 0.000+/-0.000 χ^2/NDF: 118.3/112


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: 4236356.0/30
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 8103387.5/33
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 13539862.7/64
In: 0.000+/-0.000 χ²/NDF:10065462.4/53
Out: 0.000+/-0.000 χ²/NDF:17144635.8/58
All: 0.000+/-0.000 χ²/NDF: 31065591.5/112



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.036 χ^2/NDF: 43.0/33

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

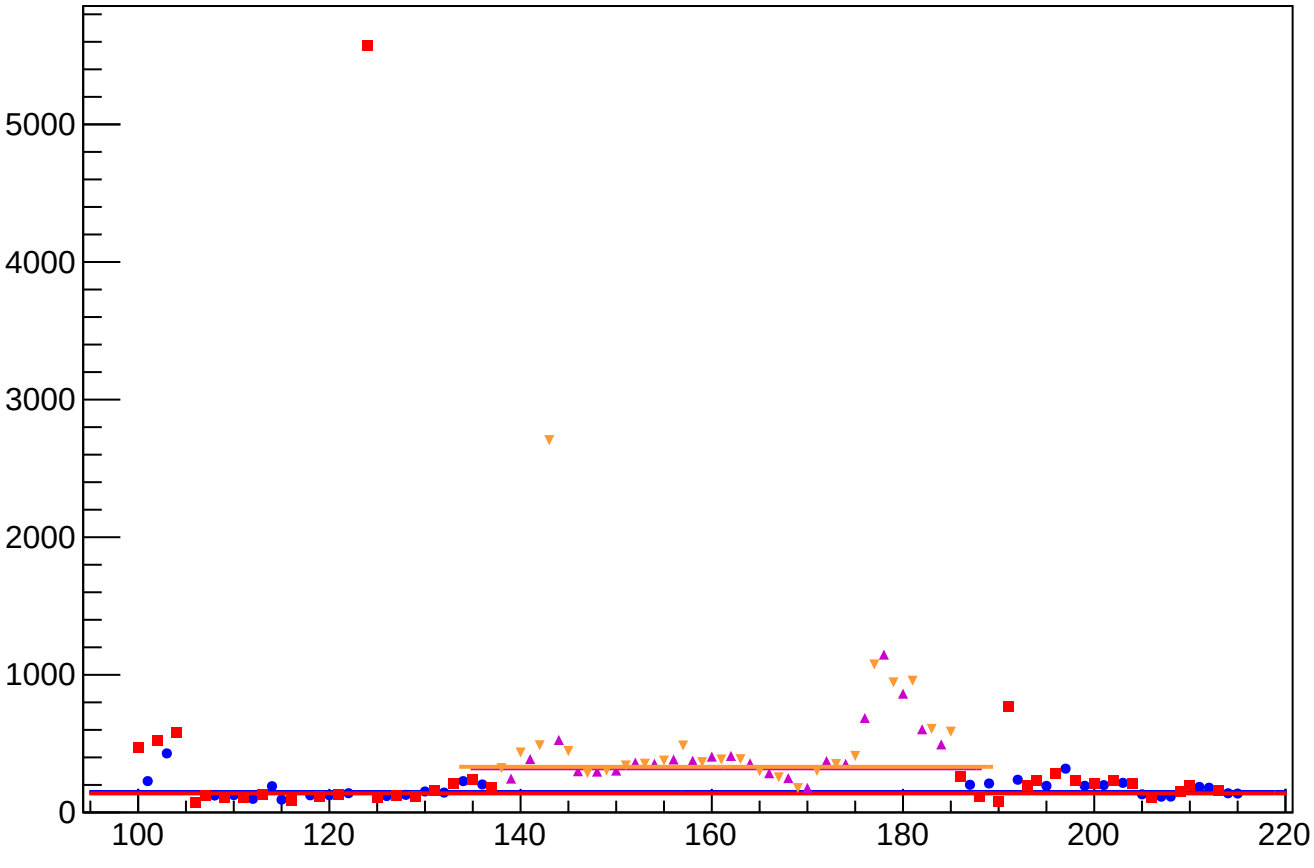
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.005+/-0.026 χ^2/NDF: 82.1/64

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.016+/-0.024 χ^2/NDF: 141.0/112



Right In: 148.483+/-0.026 χ^2/NDF: 2970120.8/30

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.471+/-0.026 χ^2/NDF: 5097063.2/33

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

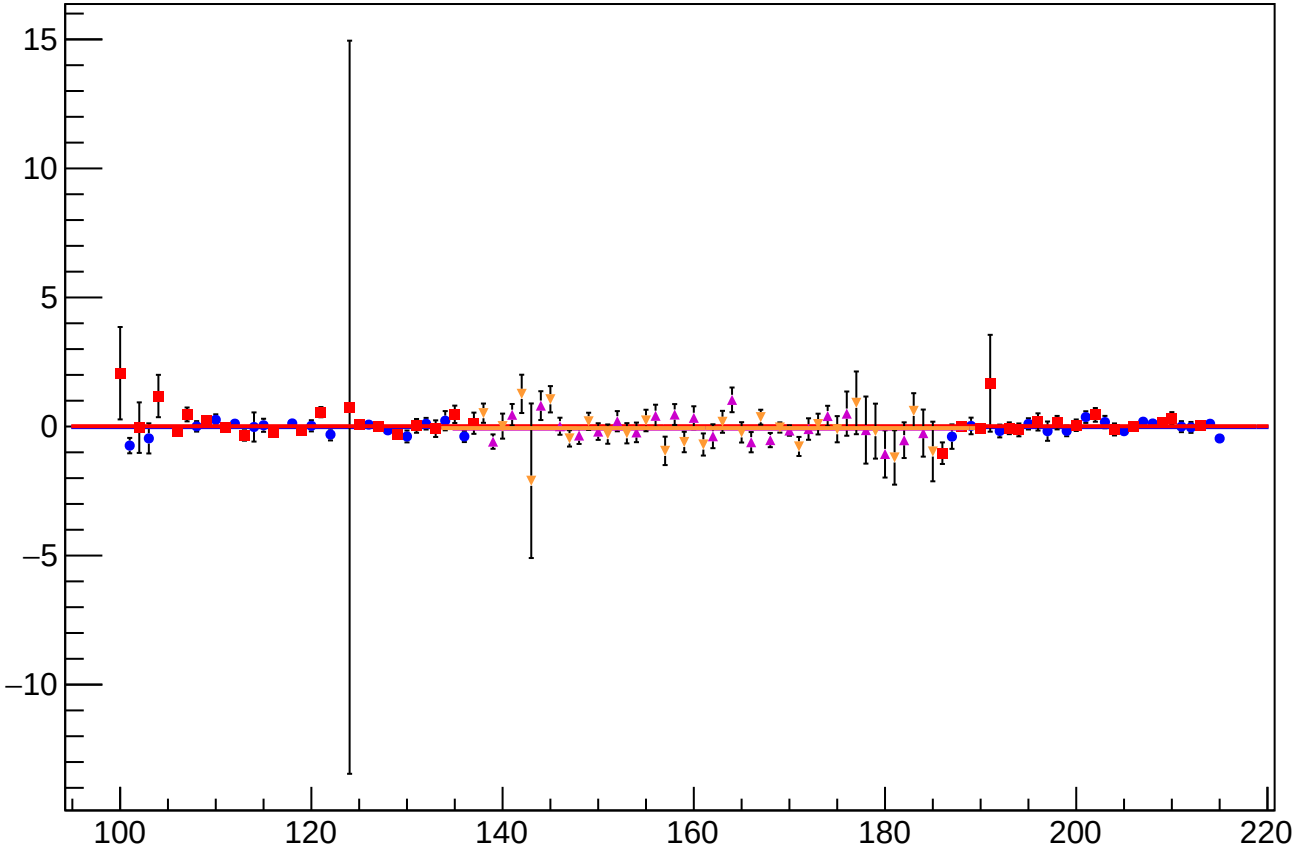
Right: 143.400+/-0.018 χ^2/NDF: 8141909.1/64

In: 178.007+/-0.024 χ^2/NDF:14686676.8/53

Out: 169.117+/-0.024 χ^2/NDF:19900432.3/58

All: 173.528+/-0.017 χ^2/NDF: 34657676.3/12

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.036 χ^2/NDF: 43.0/33

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

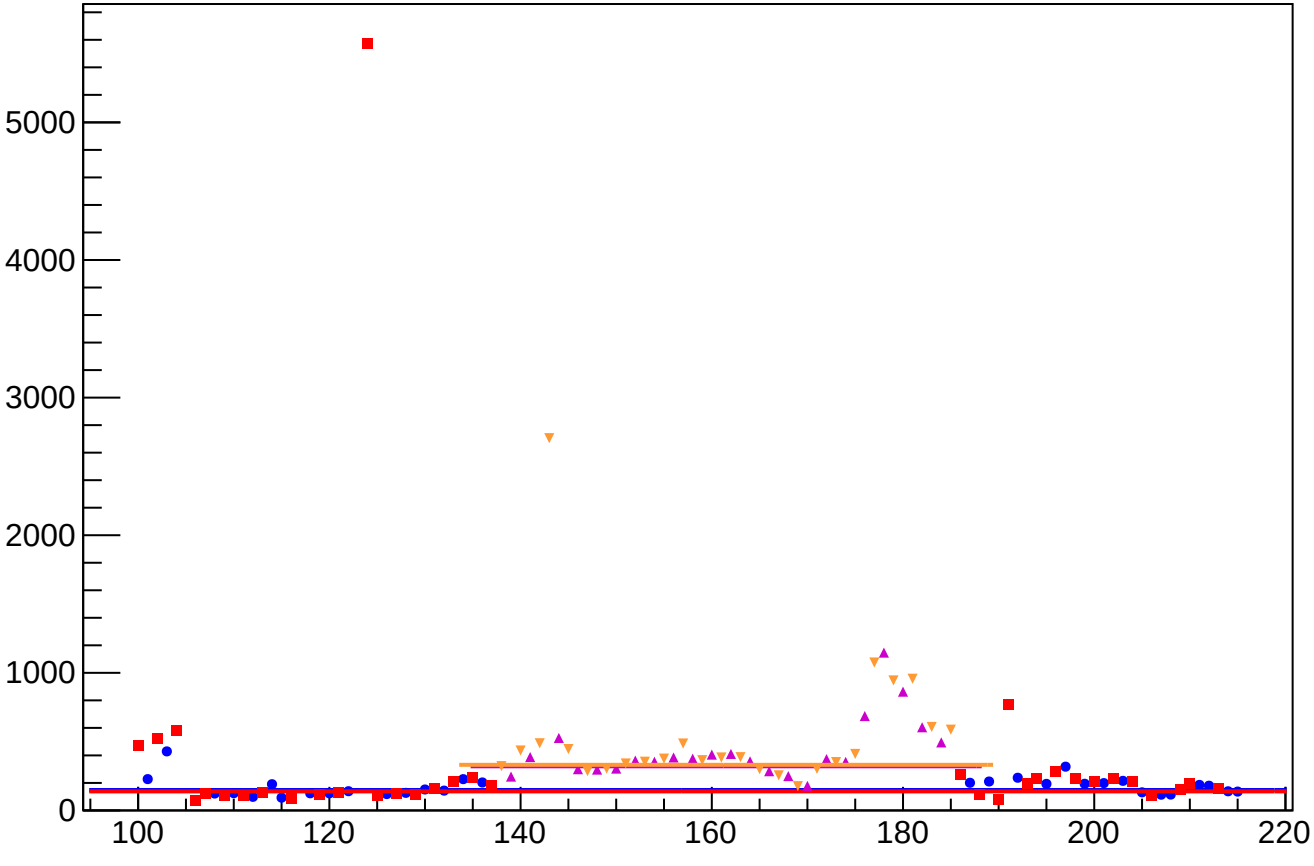
Right: -0.005+/-0.026 χ^2/NDF: 82.1/64

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.016+/-0.024 χ^2/NDF: 141.0/112

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.483+/-0.026 χ^2/NDF: 2970120.8/30

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.471+/-0.026 χ^2/NDF: 5097063.2/33

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

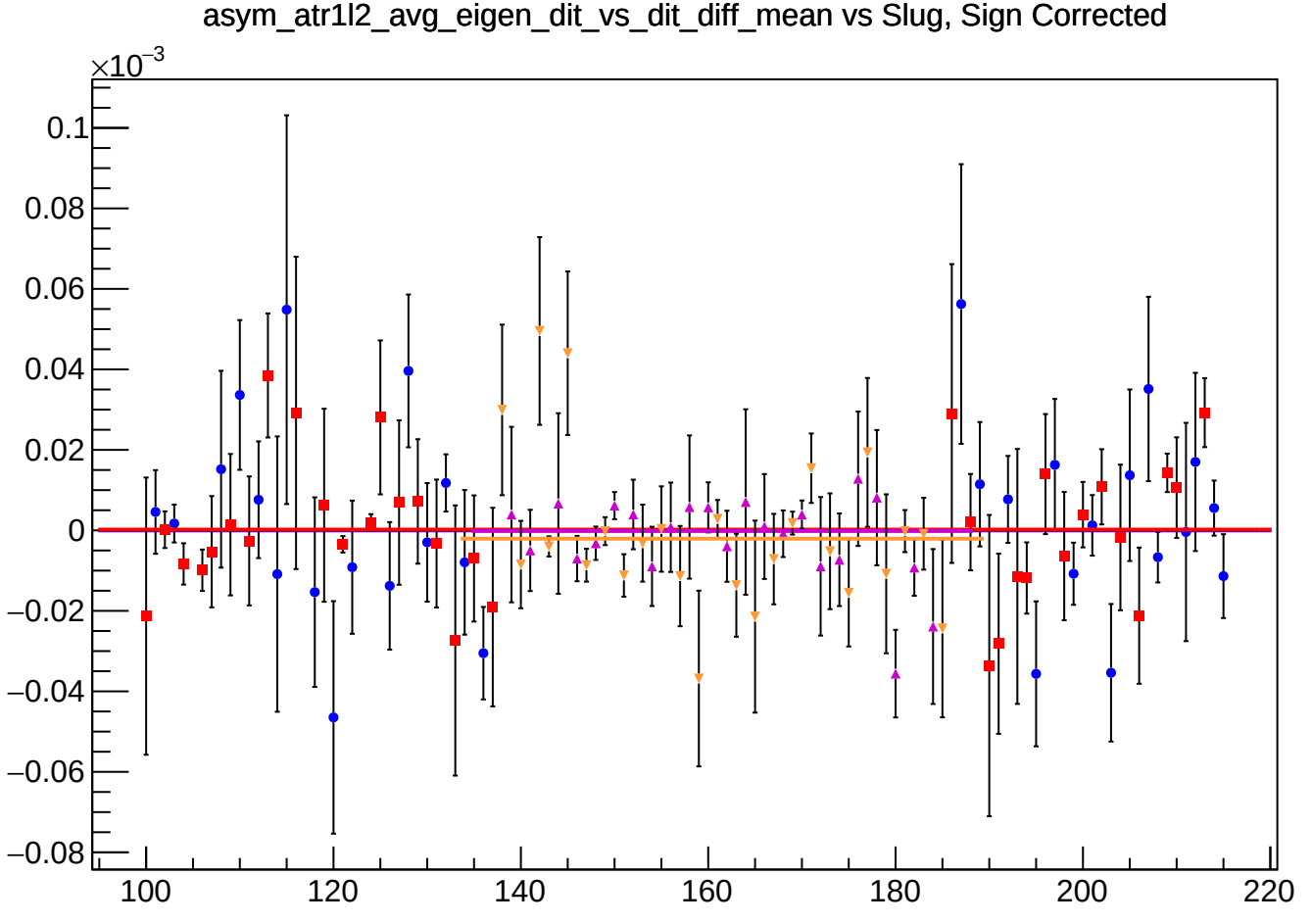
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

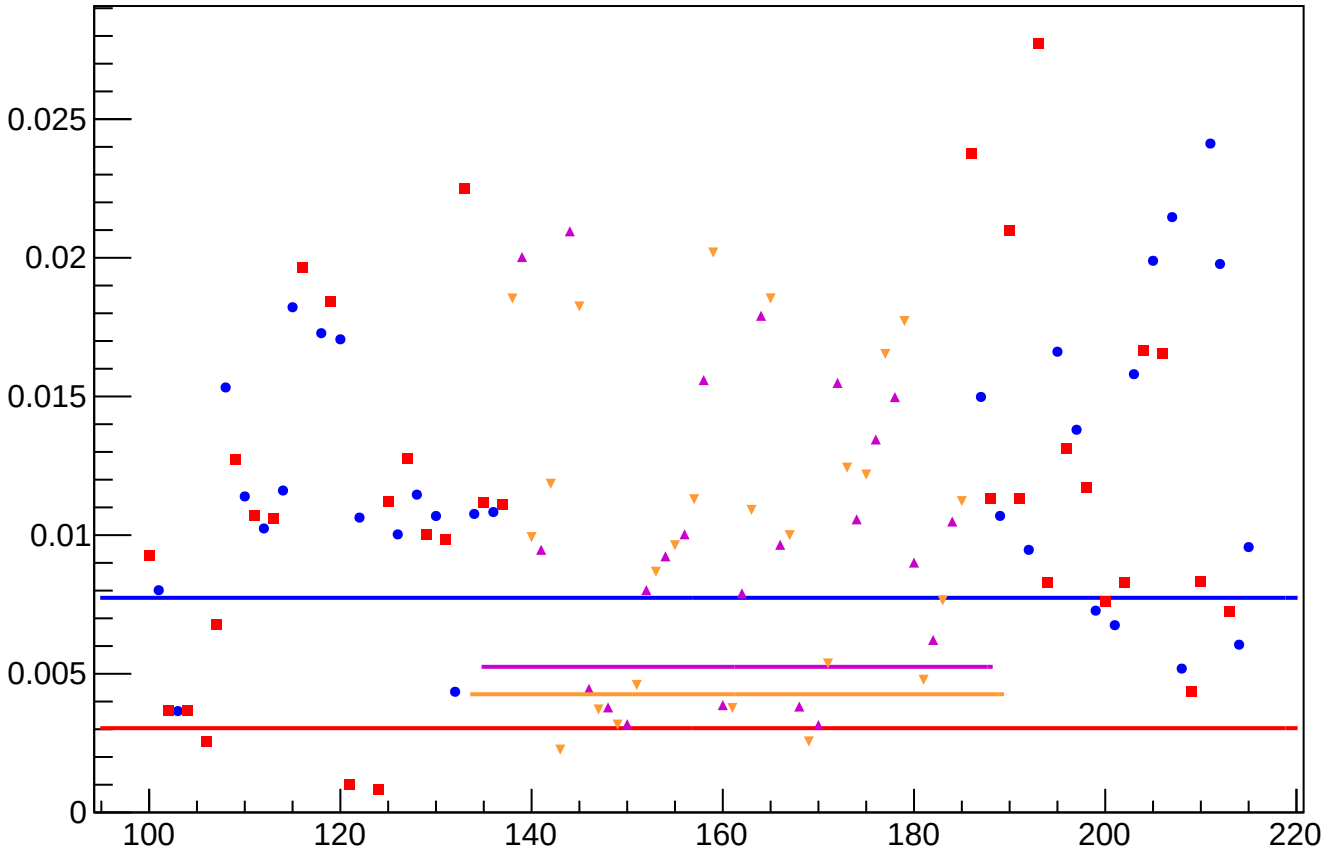
Right: 143.400+/-0.018 χ^2/NDF: 8141909.1/64

In: 178.007+/-0.024 χ^2/NDF:14686676.8/53

Out: 169.117+/-0.024 χ^2/NDF:19900432.3/58

All: 173.528+/-0.017 χ^2/NDF: 34657676.3/11


asym_atr1l2_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: 45.3/30
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 52.0/33
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: 0.000+/-0.000 χ²/NDF: 97.3/64
In: -0.000+/-0.000 χ²/NDF:70.2/53
Out: -0.000+/-0.000 χ²/NDF:88.5/58
All: -0.000+/-0.000 χ²/NDF: 159.0/112



Right In: 0.008+/-0.000 χ^2/NDF: 8072872.8/30

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20701795.2/33

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

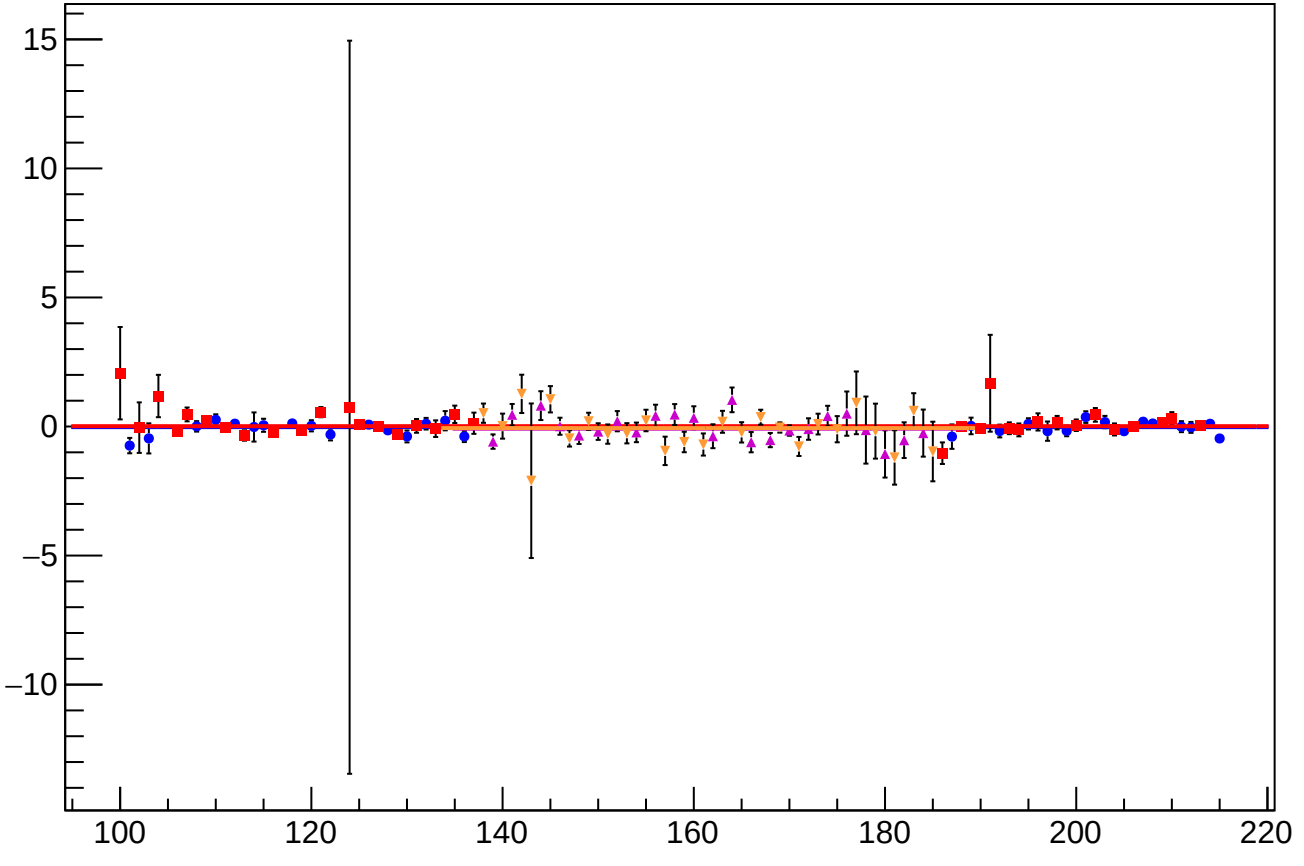
Right: 0.004+/-0.000 χ^2/NDF: 36717689.6/64

In: 0.006+/-0.000 χ^2/NDF:19492067.6/53

Out: 0.004+/-0.000 χ^2/NDF:34714241.1/58

All: 0.004+/-0.000 χ^2/NDF: 59998121.6/112

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.036 χ^2/NDF: 43.0/33

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

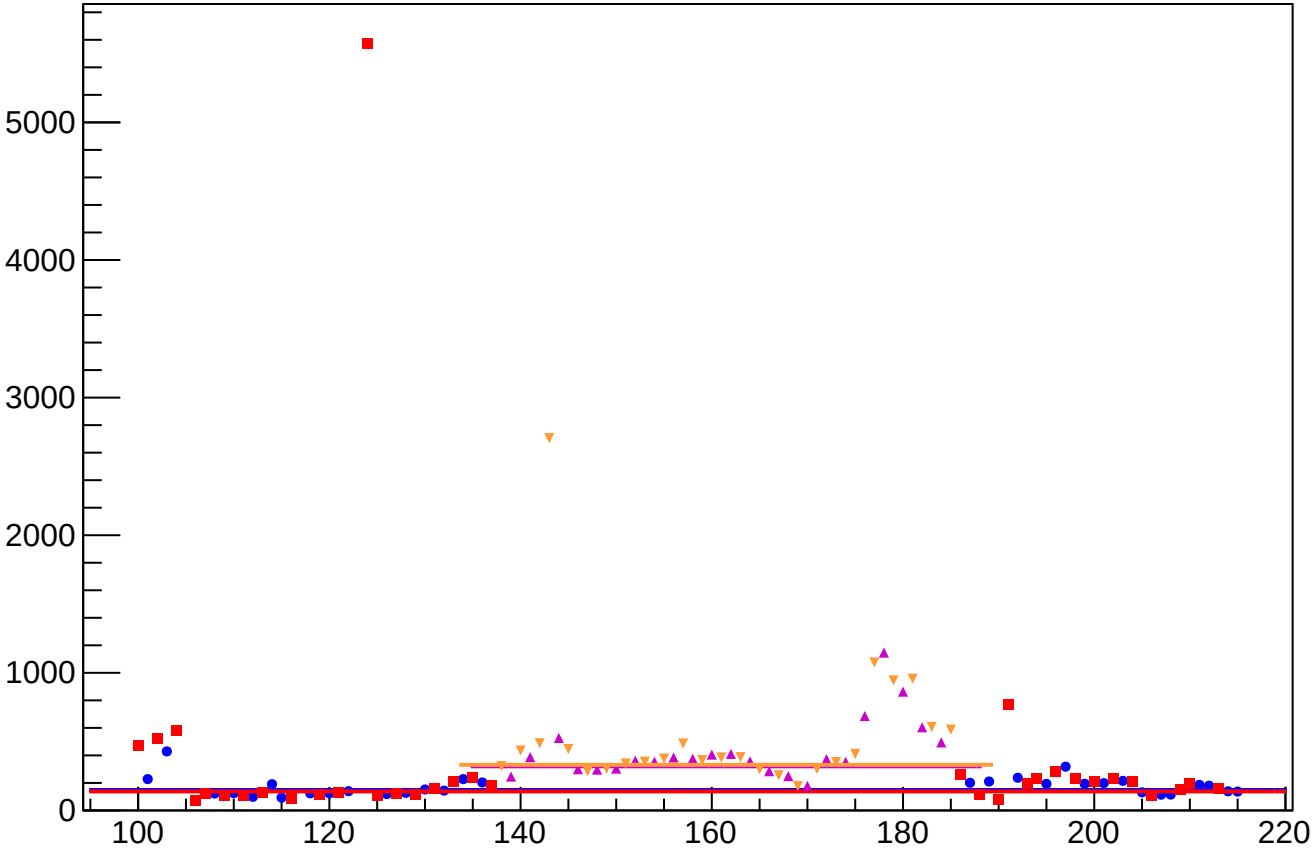
Right: -0.005+/-0.026 χ^2/NDF: 82.1/64

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.016+/-0.024 χ^2/NDF: 141.0/112

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.483+/-0.026 χ^2/NDF: 2970104.4/30

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 138.470+/-0.026 χ^2/NDF: 5097088.7/33

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

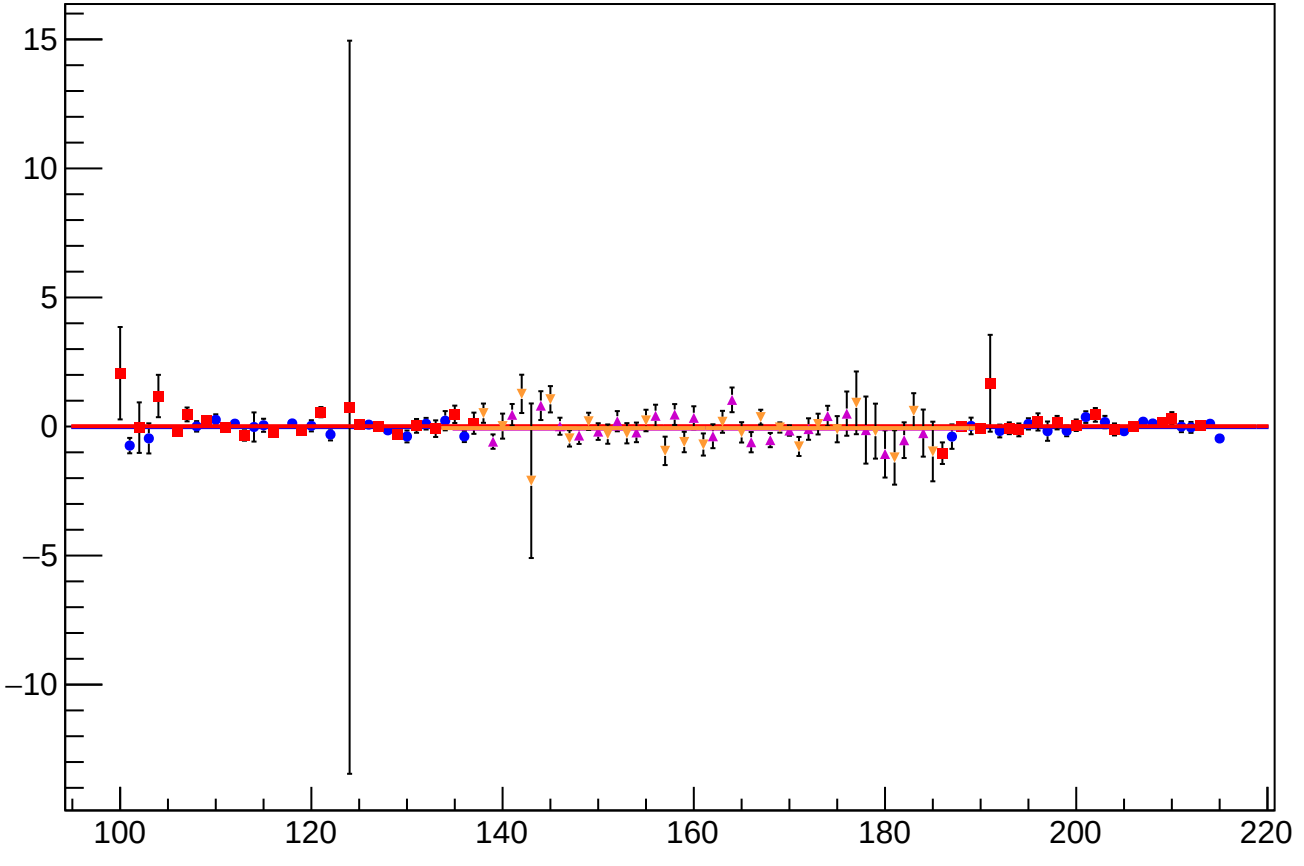
Right: 143.400+/-0.018 χ^2/NDF: 8141929.5/64

In: 178.007+/-0.024 χ^2/NDF:14686798.6/53

Out: 169.117+/-0.024 χ^2/NDF:19900678.9/58

All: 173.527+/-0.017 χ^2/NDF: 34658058.8/11

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.013+/-0.036 χ^2/NDF: 43.0/33

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

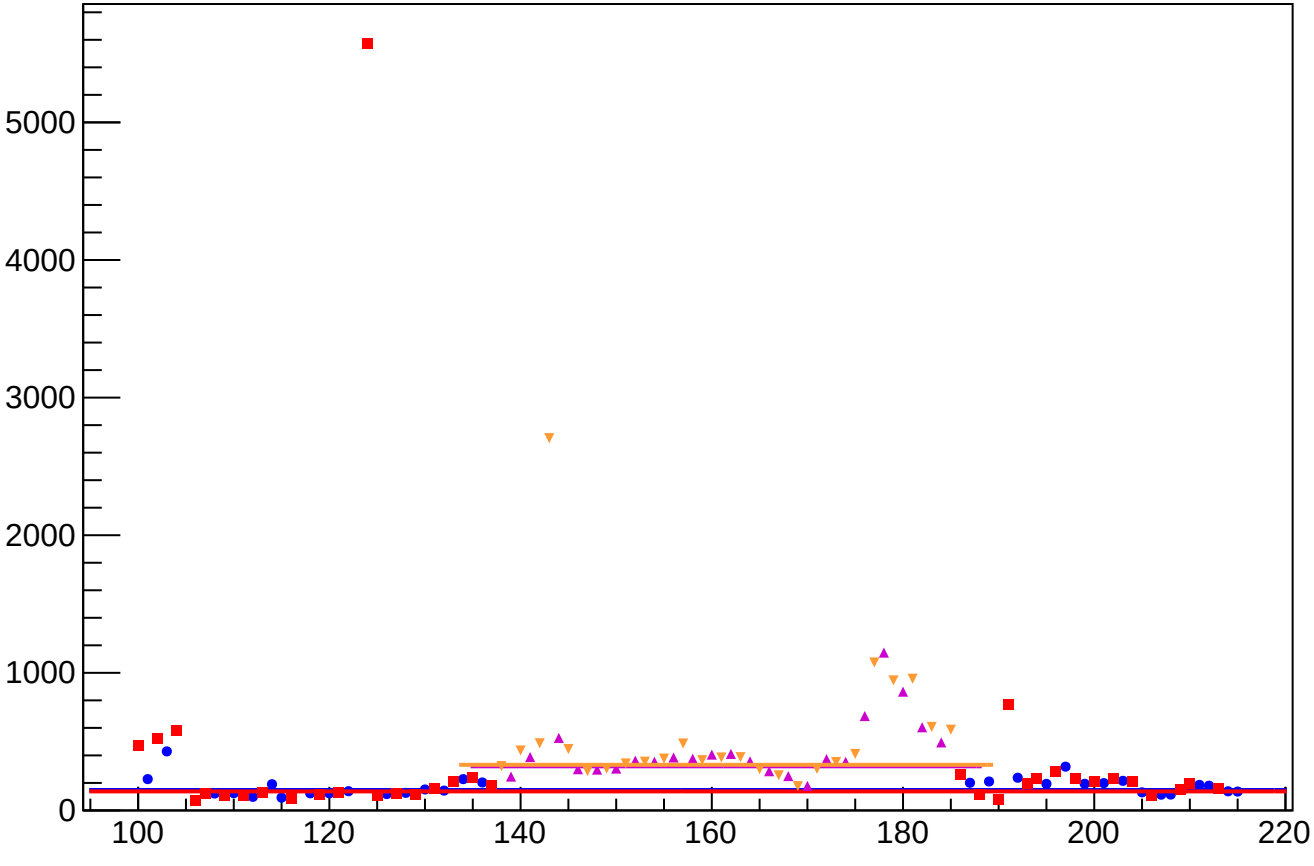
Right: -0.005+/-0.026 χ^2/NDF: 82.1/64

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.001+/-0.033 χ^2/NDF:74.4/58

All: -0.016+/-0.024 χ^2/NDF: 141.0/112

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.483+/-0.026 χ^2/NDF: 2970104.4/30

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 138.470+/-0.026 χ^2/NDF: 5097088.7/33

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

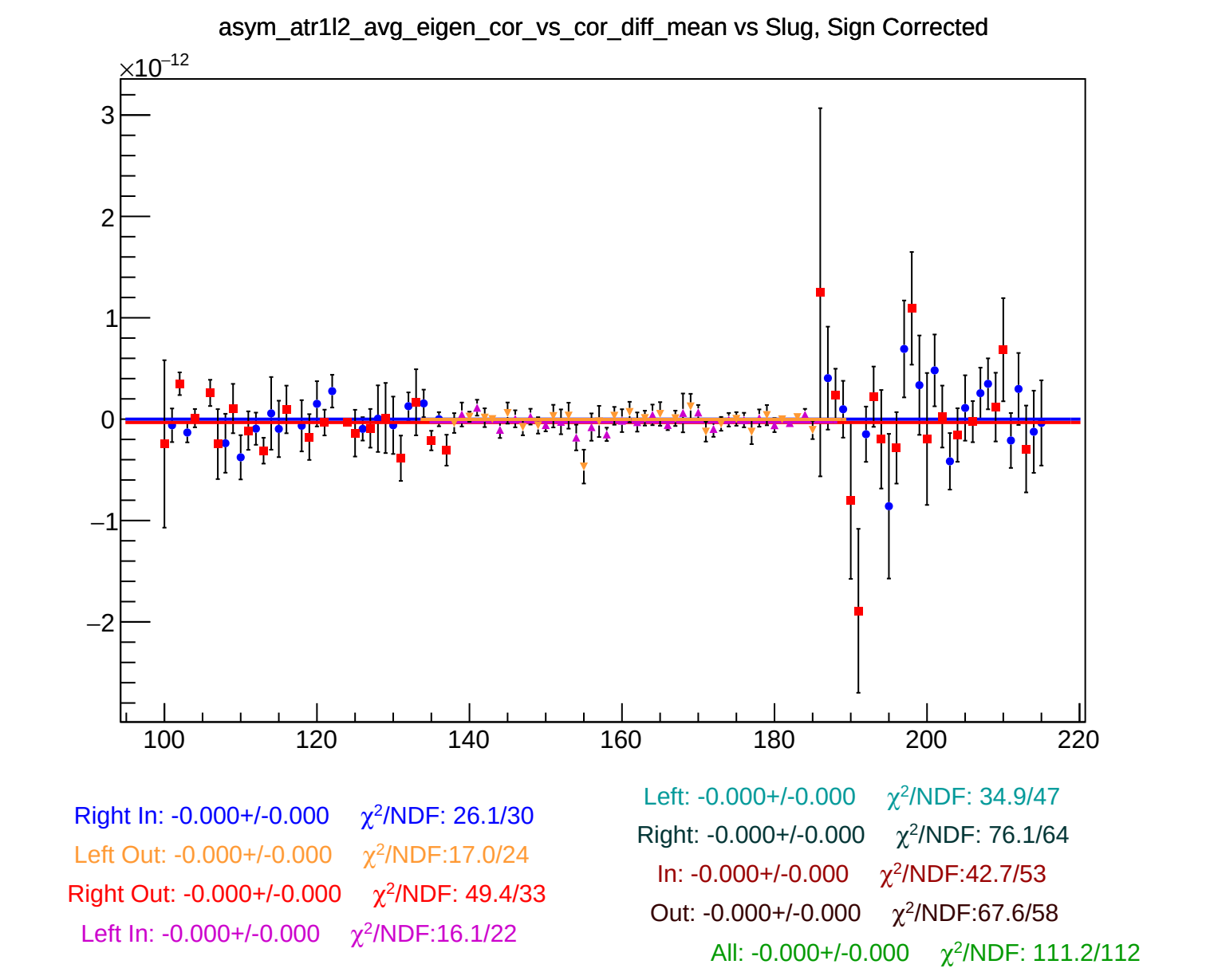
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

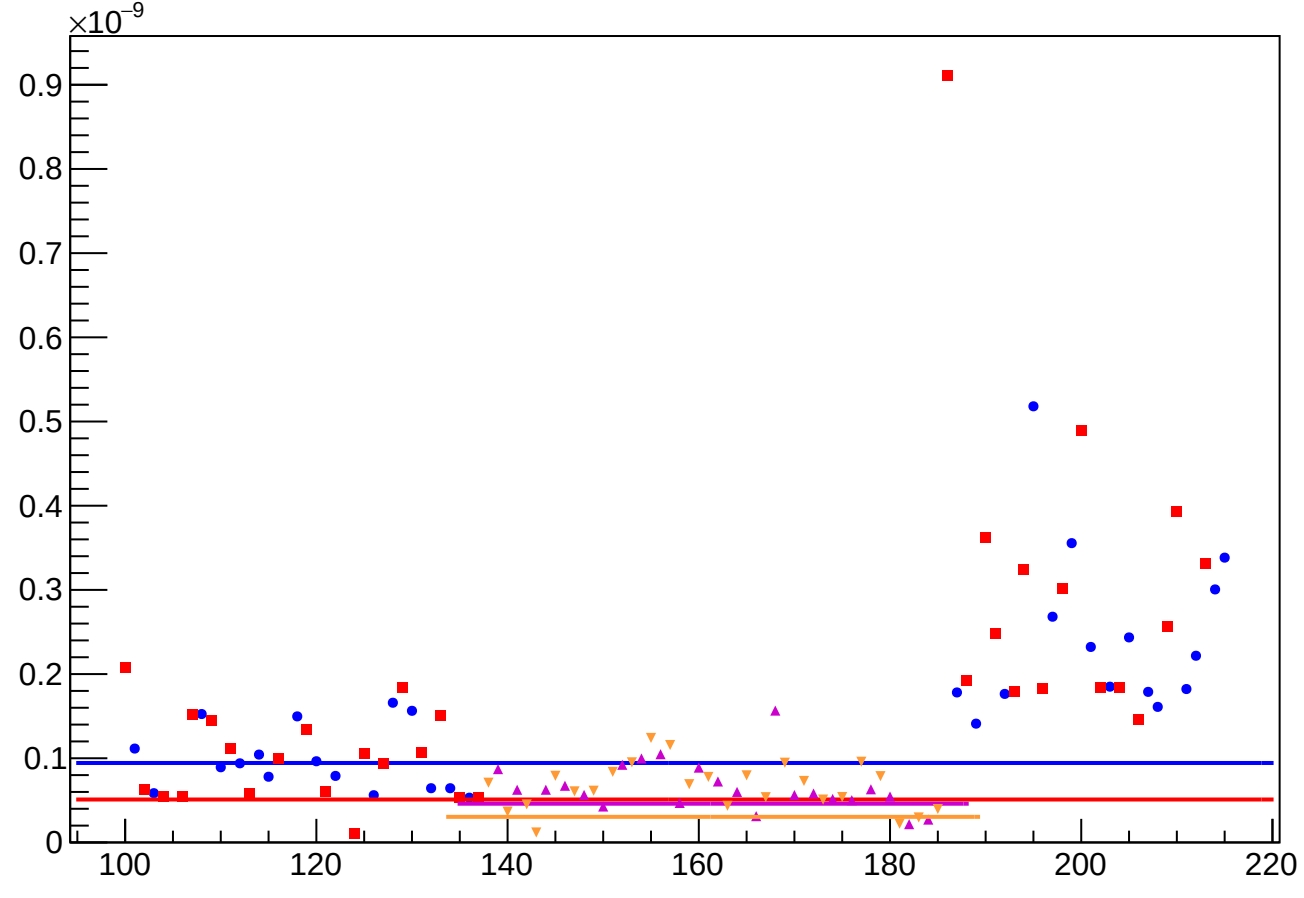
Right: 143.400+/-0.018 χ^2/NDF: 8141929.5/64

In: 178.007+/-0.024 χ^2/NDF:14686798.6/53

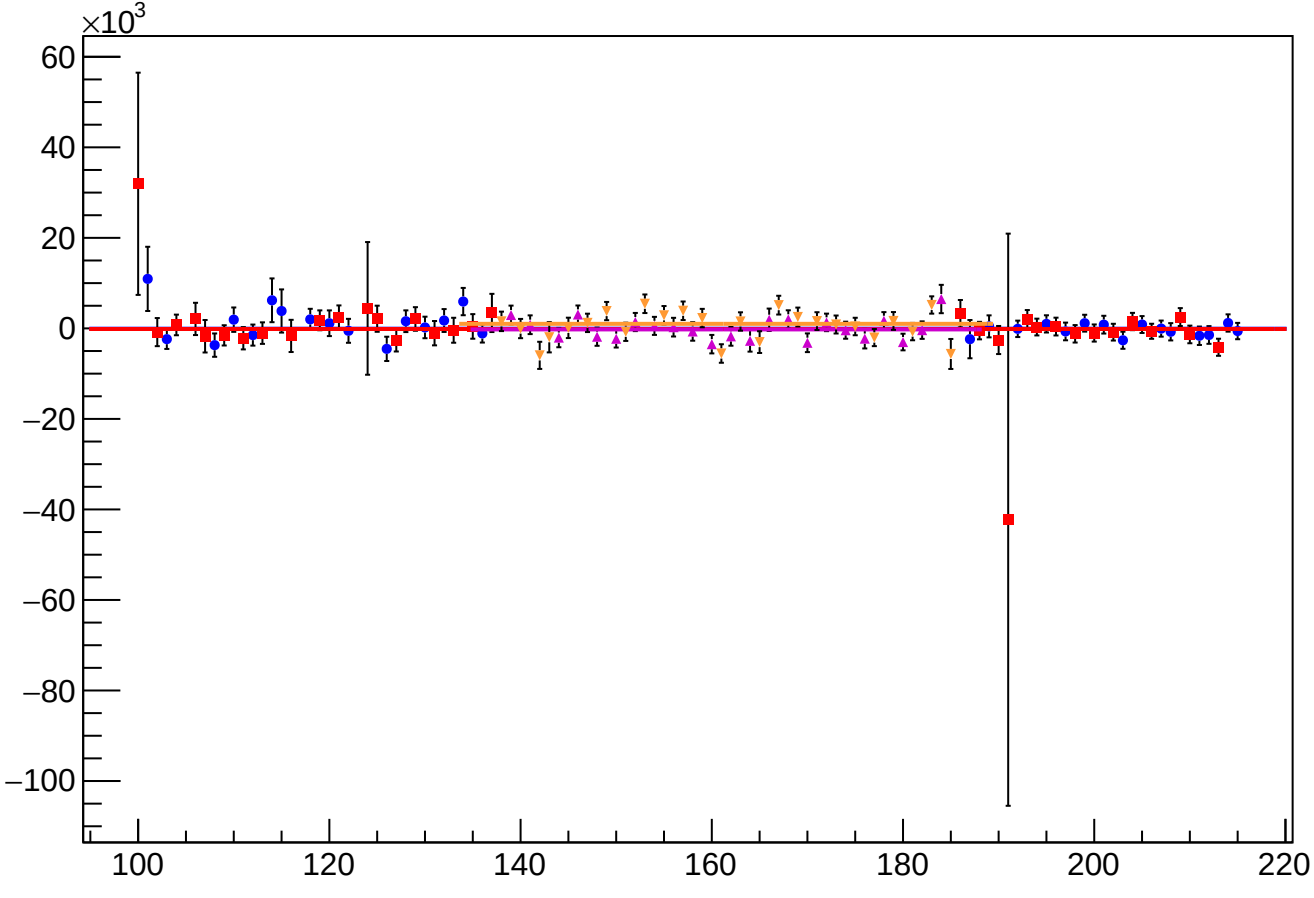
Out: 169.117+/-0.024 χ^2/NDF:19900678.9/58

All: 173.527+/-0.017 χ^2/NDF: 34658058.8/11


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: 26.1/30
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 49.4/33
Left In: -0.000+/-0.000 χ²/NDF:16.1/22
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 76.1/64
In: -0.000+/-0.000 χ²/NDF:42.7/53
Out: -0.000+/-0.000 χ²/NDF:67.6/58
All: -0.000+/-0.000 χ²/NDF: 111.2/112


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: 6598242.7/30
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 12655223.7/33
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
Left: 0.000+/-0.000 χ²/NDF: 16912386.2/47
Right: 0.000+/-0.000 χ²/NDF: 21383457.1/64
In: 0.000+/-0.000 χ²/NDF:14902157.7/53
Out: 0.000+/-0.000 χ²/NDF:24355713.5/58
All: 0.000+/-0.000 χ²/NDF: 42060756.5/112

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -74.185+/-404.673 χ^2/NDF: 23.0/30

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -135.151+/-412.410 χ^2/NDF: 20.9/33

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

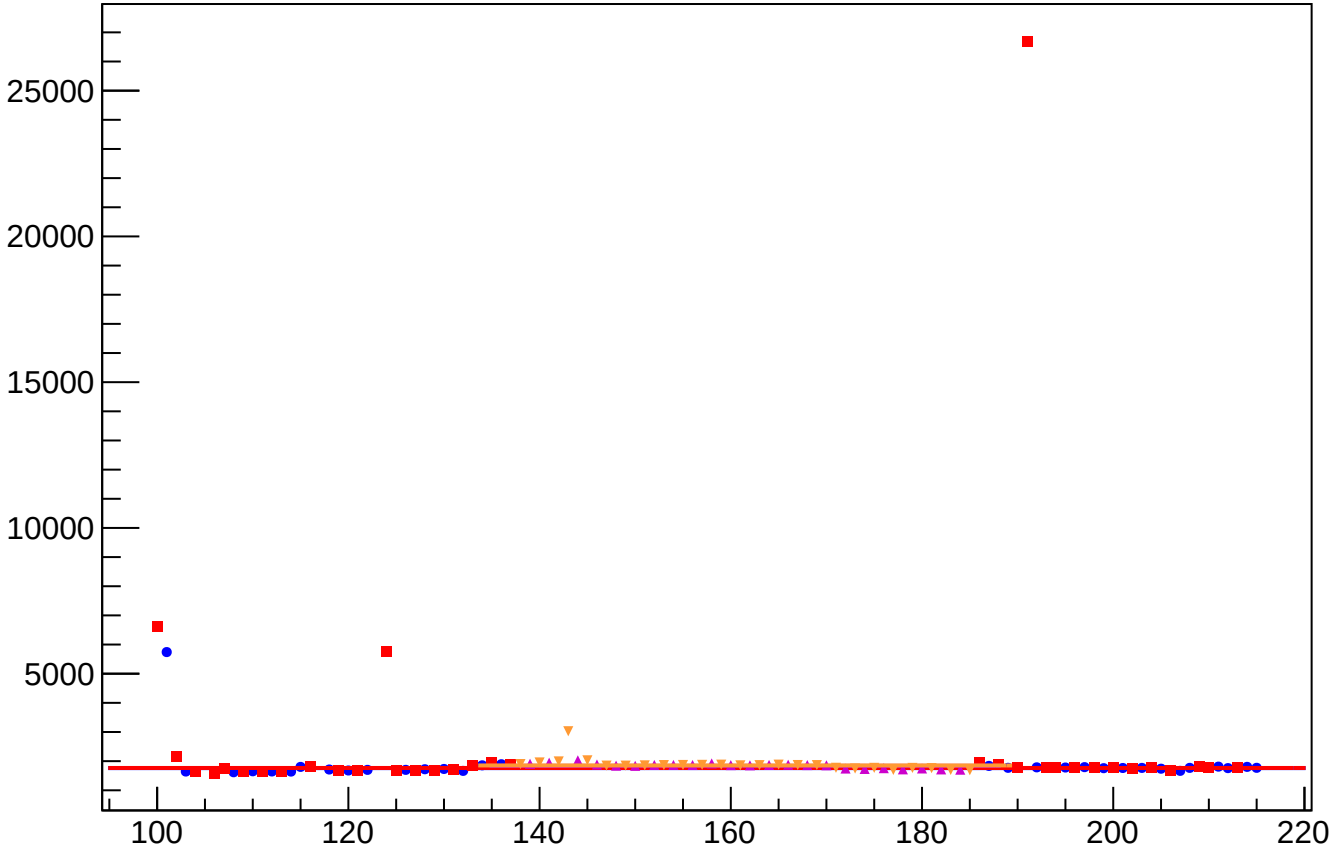
Right: -104.091+/-288.844 χ^2/NDF: 43.9/64

In: -147.104+/-294.597 χ^2/NDF:49.4/53

Out: 420.629+/-295.148 χ^2/NDF:72.0/58

All: 136.231+/-208.506 χ^2/NDF: 123.3/112

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1761.004+/-0.286 χ^2/NDF: 680234.0/30

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1766.088+/-0.291 χ^2/NDF: 646353.2/33

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

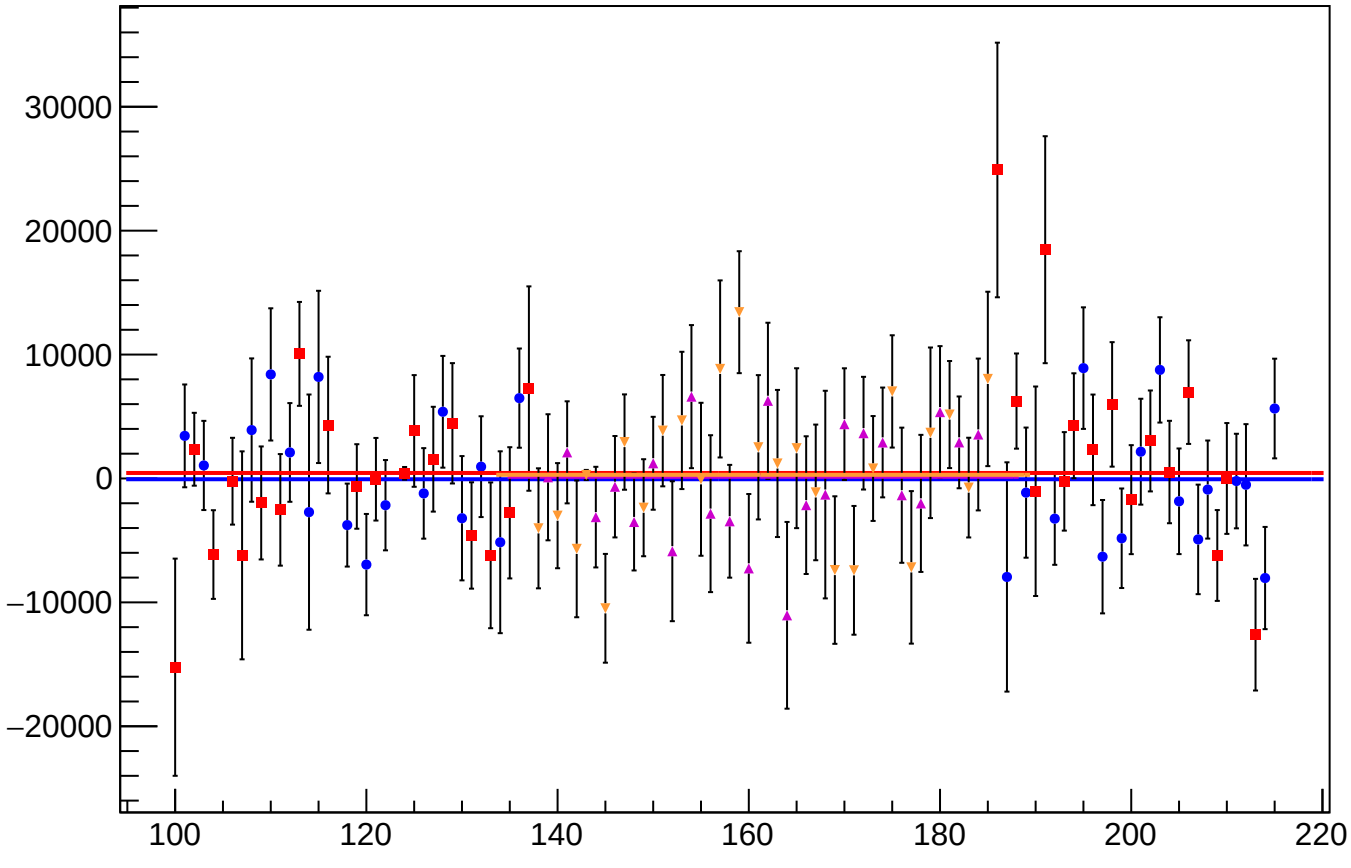
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.505+/-0.204 χ^2/NDF: 1326742.5/64

In: 1797.443+/-0.208 χ^2/NDF:783212.3/53

Out: 1808.131+/-0.208 χ^2/NDF:1010381.1/58

All: 1802.785+/-0.147 χ^2/NDF: 1794909.3/11



Right In: -62.568+/-788.801 χ^2/NDF: 35.0/30

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 443.615+/-427.113 χ^2/NDF: 48.1/33

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

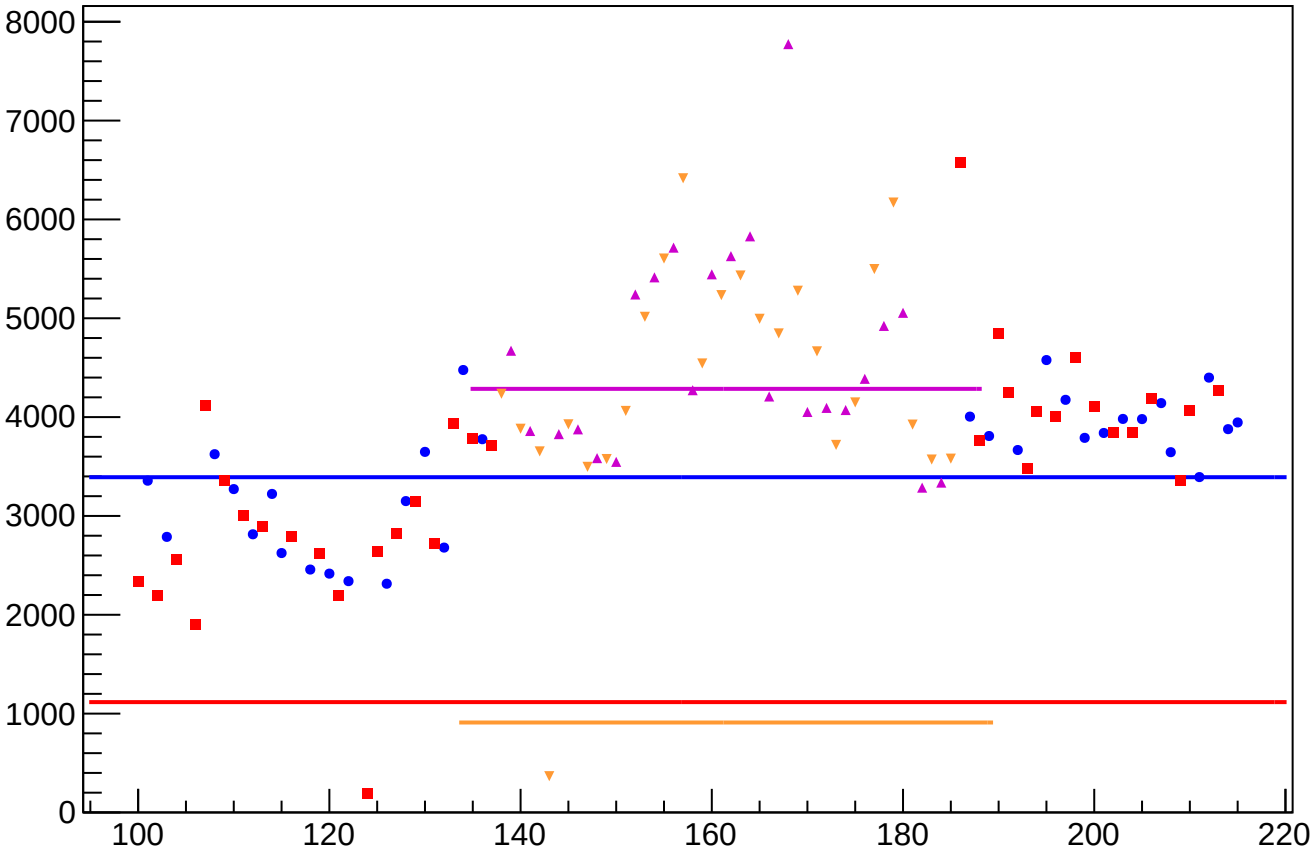
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 328.853+/-375.588 χ^2/NDF: 83.5/64

In: 12.352+/-624.655 χ^2/NDF:48.9/53

Out: 360.316+/-283.869 χ^2/NDF:78.2/58

All: 300.755+/-258.435 χ^2/NDF: 127.4/112



Right In: 3391.982+/-0.558 χ^2/NDF: 1414276.1/30

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1116.399+/-0.302 χ^2/NDF: 23876978.9/33

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

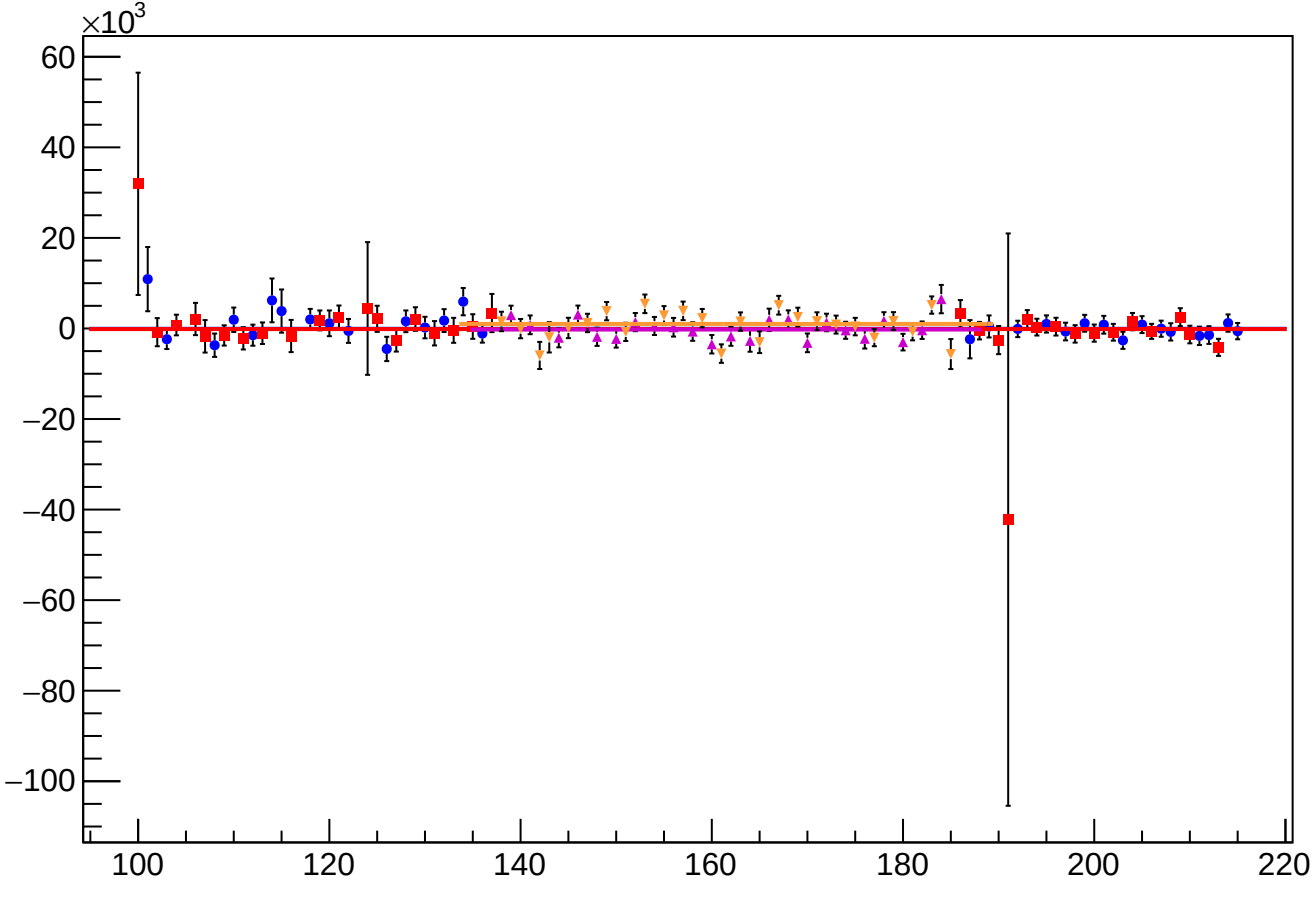
Right: 1632.317+/-0.266 χ^2/NDF: 38162429.6/64

In: 3725.289+/-0.442 χ^2/NDF:3699878.7/53

Out: 1001.247+/-0.201 χ^2/NDF:50911501.6/58

All: 1467.516+/-0.183 χ^2/NDF: 86135577.3/1

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -74.323+/-404.673 χ^2/NDF: 23.0/30

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -135.158+/-412.410 χ^2/NDF: 20.9/33

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

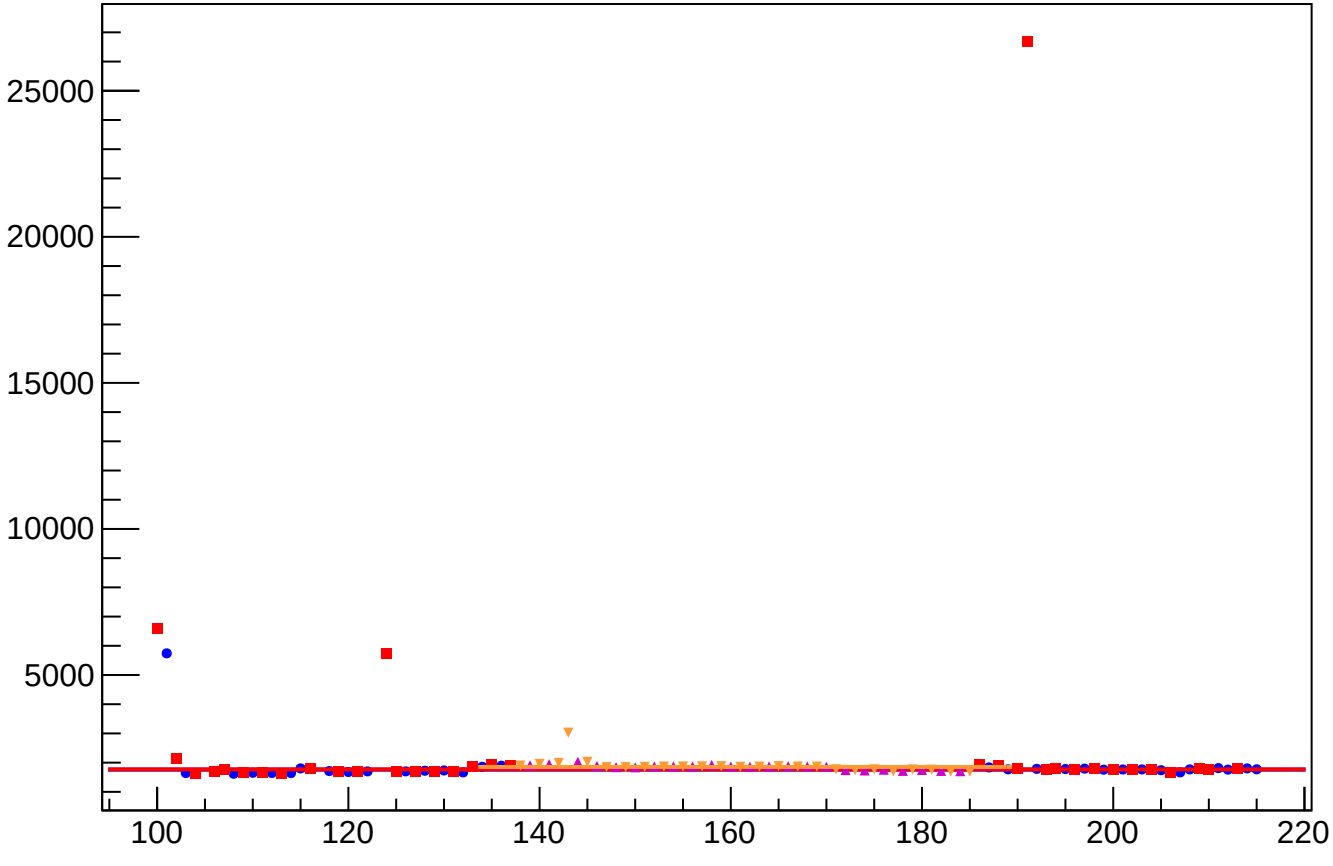
Right: -104.165+/-288.844 χ^2/NDF: 43.9/64

In: -147.138+/-294.597 χ^2/NDF:49.4/53

Out: 420.605+/-295.148 χ^2/NDF:72.0/58

All: 136.203+/-208.506 χ^2/NDF: 123.2/112

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1761.004+/-0.286 χ^2/NDF: 680234.2/30

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.832+/-0.291 χ^2/NDF: 638200.5/33

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

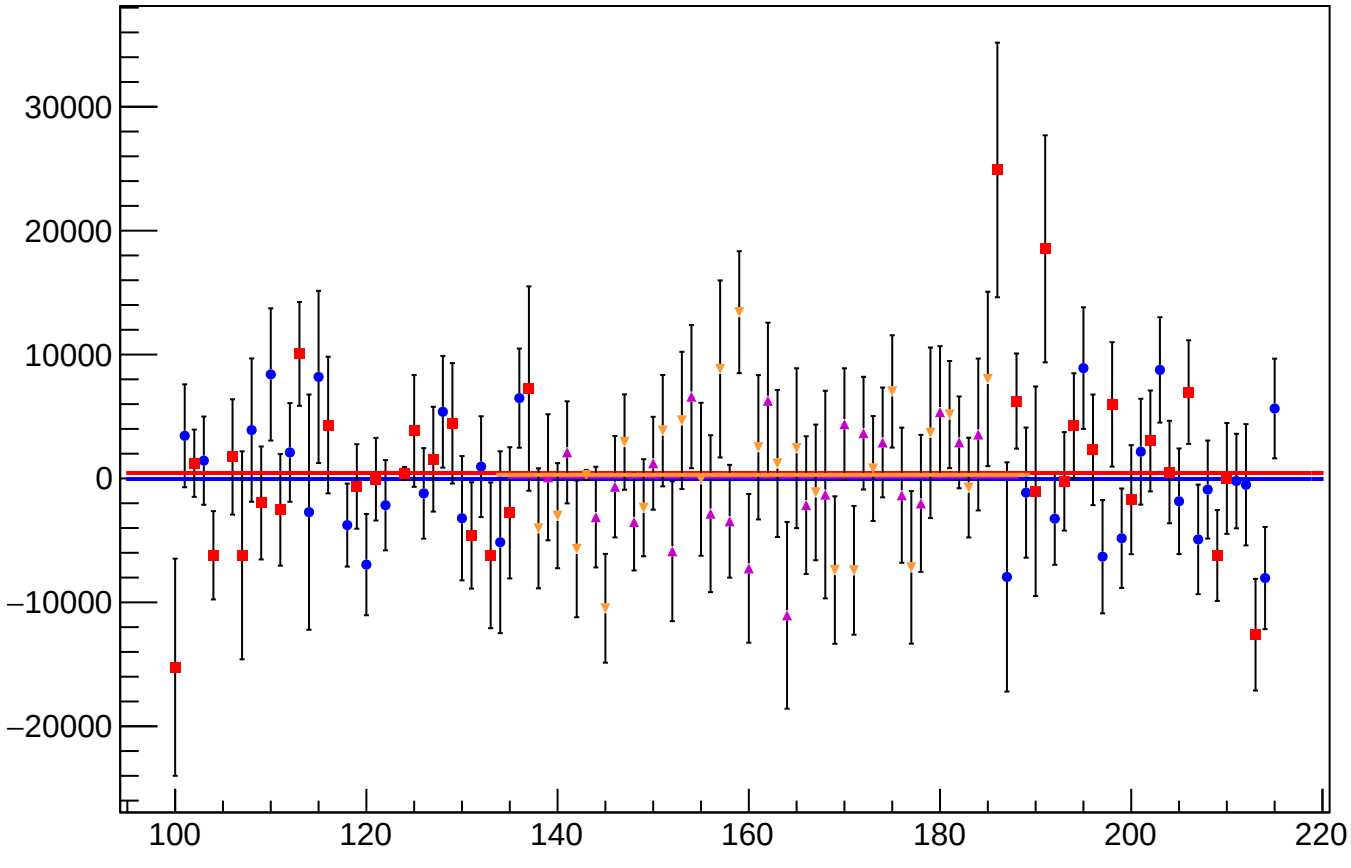
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1764.850+/-0.204 χ^2/NDF: 1318802.3/64

In: 1797.443+/-0.208 χ^2/NDF:783212.6/53

Out: 1809.601+/-0.209 χ^2/NDF:999486.3/58

All: 1803.515+/-0.147 χ^2/NDF: 1784400.3/11



Right In: -42.505+/-788.418 χ^2/NDF: 35.1/30

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 442.068+/-427.855 χ^2/NDF: 48.0/33

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

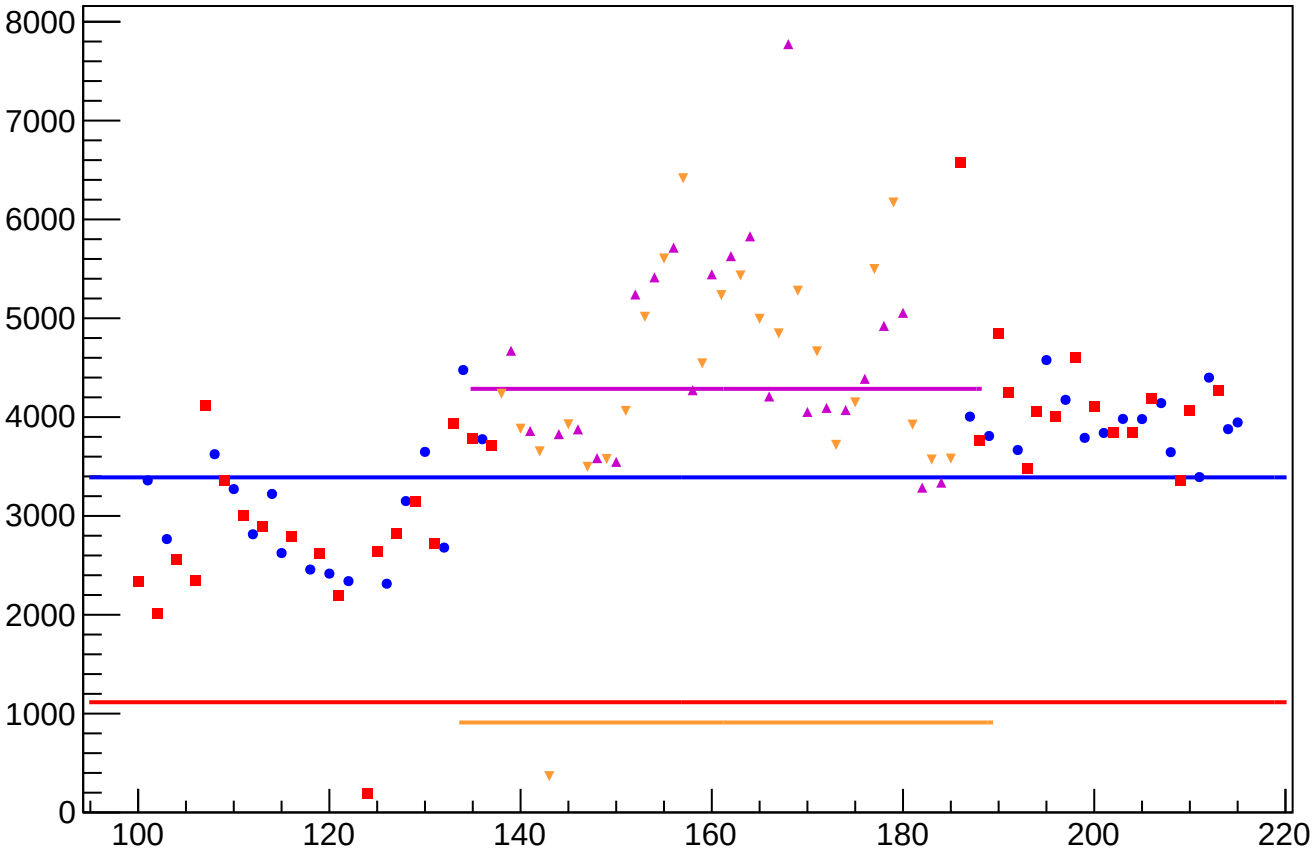
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 331.828+/-376.050 χ^2/NDF: 83.4/64

In: 24.864+/-624.464 χ^2/NDF:49.0/53

Out: 360.015+/-284.099 χ^2/NDF:78.1/58

All: 302.542+/-258.595 χ^2/NDF: 127.3/112



Right In: 3390.378+/-0.557 χ^2/NDF: 1419713.5/30

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1115.223+/-0.303 χ^2/NDF: 23851916.3/33

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

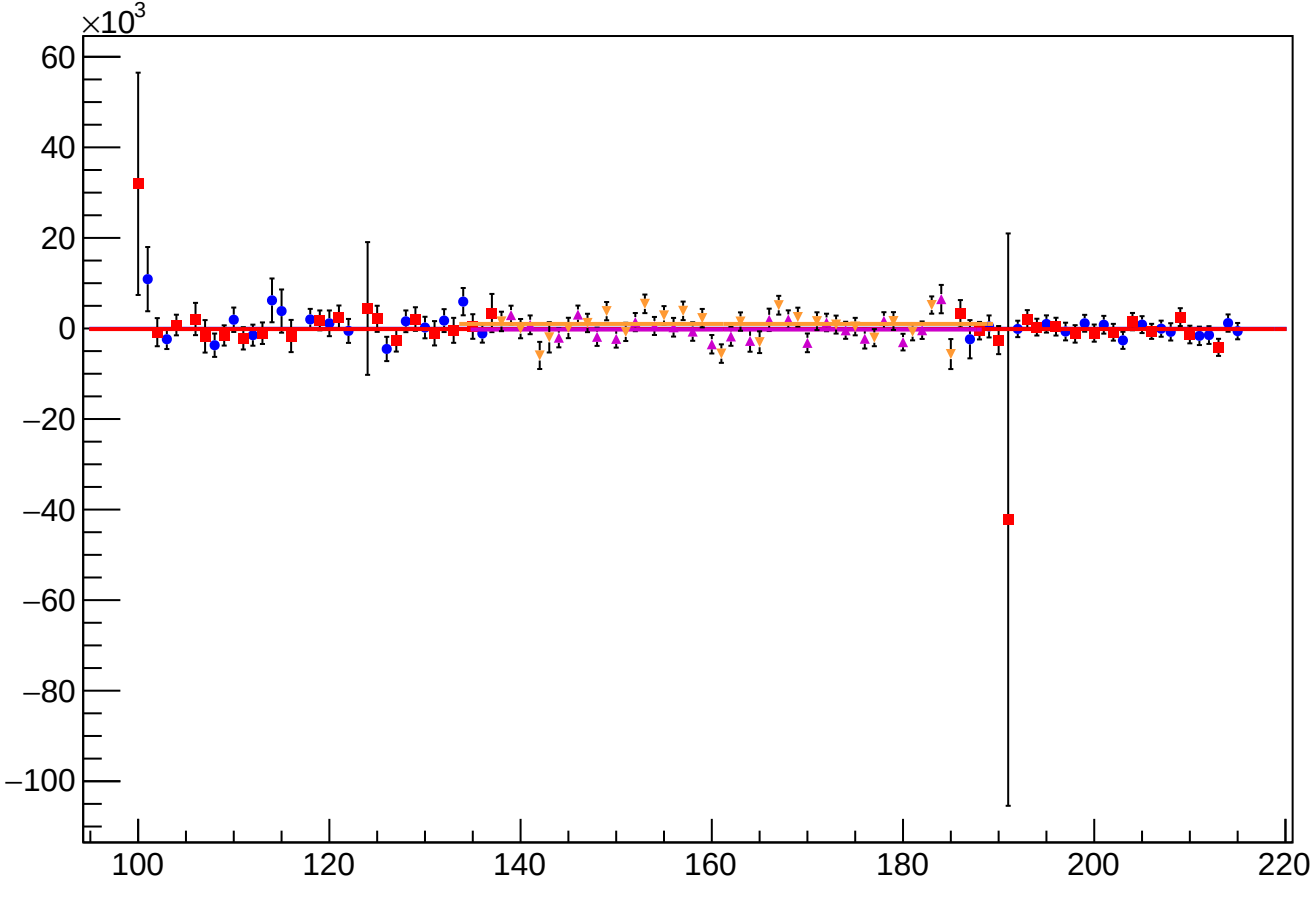
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1632.817+/-0.266 χ^2/NDF: 38137467.9/64

In: 3724.078+/-0.442 χ^2/NDF:3709096.8/53

Out: 1000.626+/-0.201 χ^2/NDF:50881511.0/58

All: 1467.655+/-0.183 χ^2/NDF: 86108327.1/1



Right In: -74.323+/-404.673 χ^2/NDF: 23.0/30

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -135.158+/-412.410 χ^2/NDF: 20.9/33

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

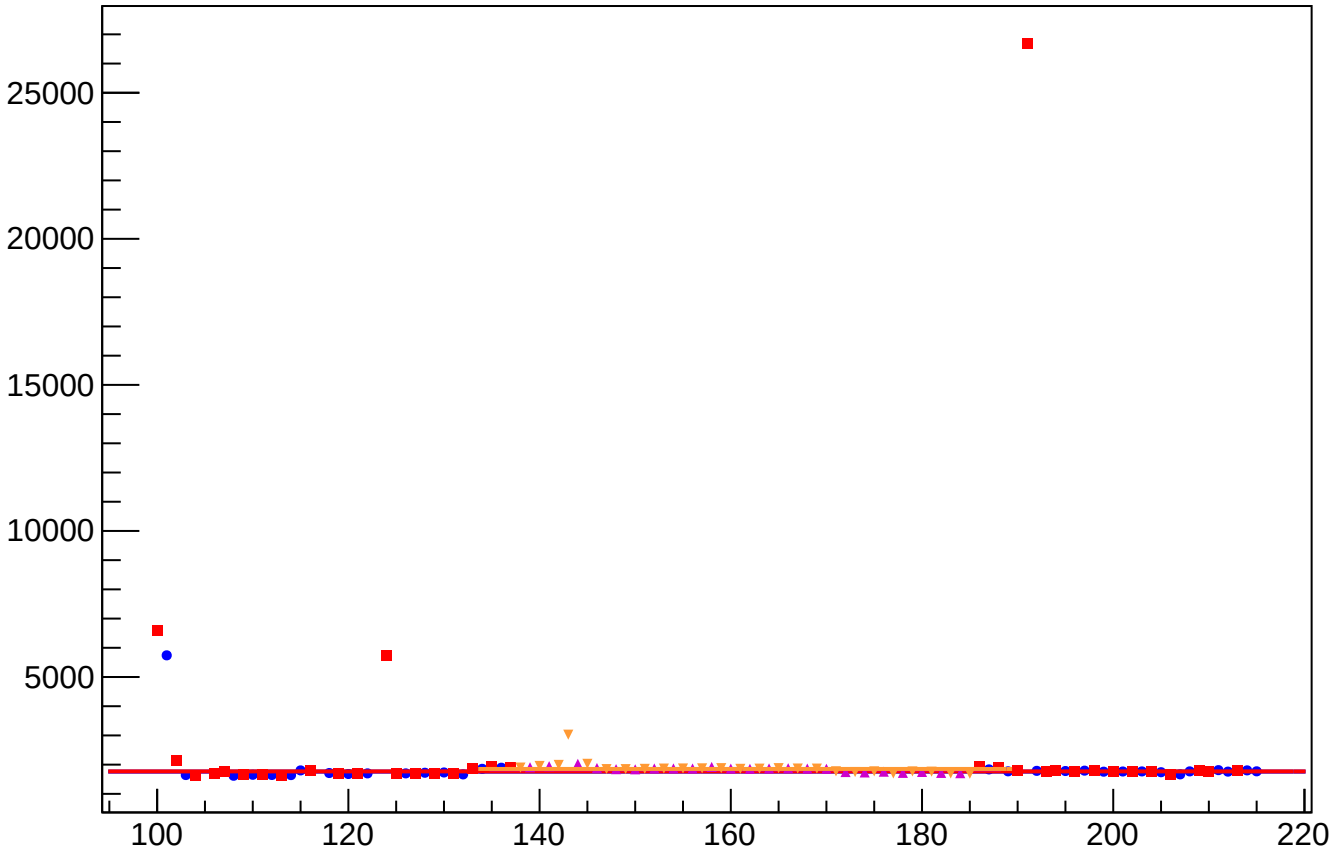
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -104.165+/-288.844 χ^2/NDF: 43.9/64

In: -147.138+/-294.597 χ^2/NDF:49.4/53

Out: 420.605+/-295.148 χ^2/NDF:72.0/58

All: 136.203+/-208.506 χ^2/NDF: 123.2/112



Right In: 1761.004+/-0.286 χ^2/NDF: 680234.2/30

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.832+/-0.291 χ^2/NDF: 638200.5/33

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

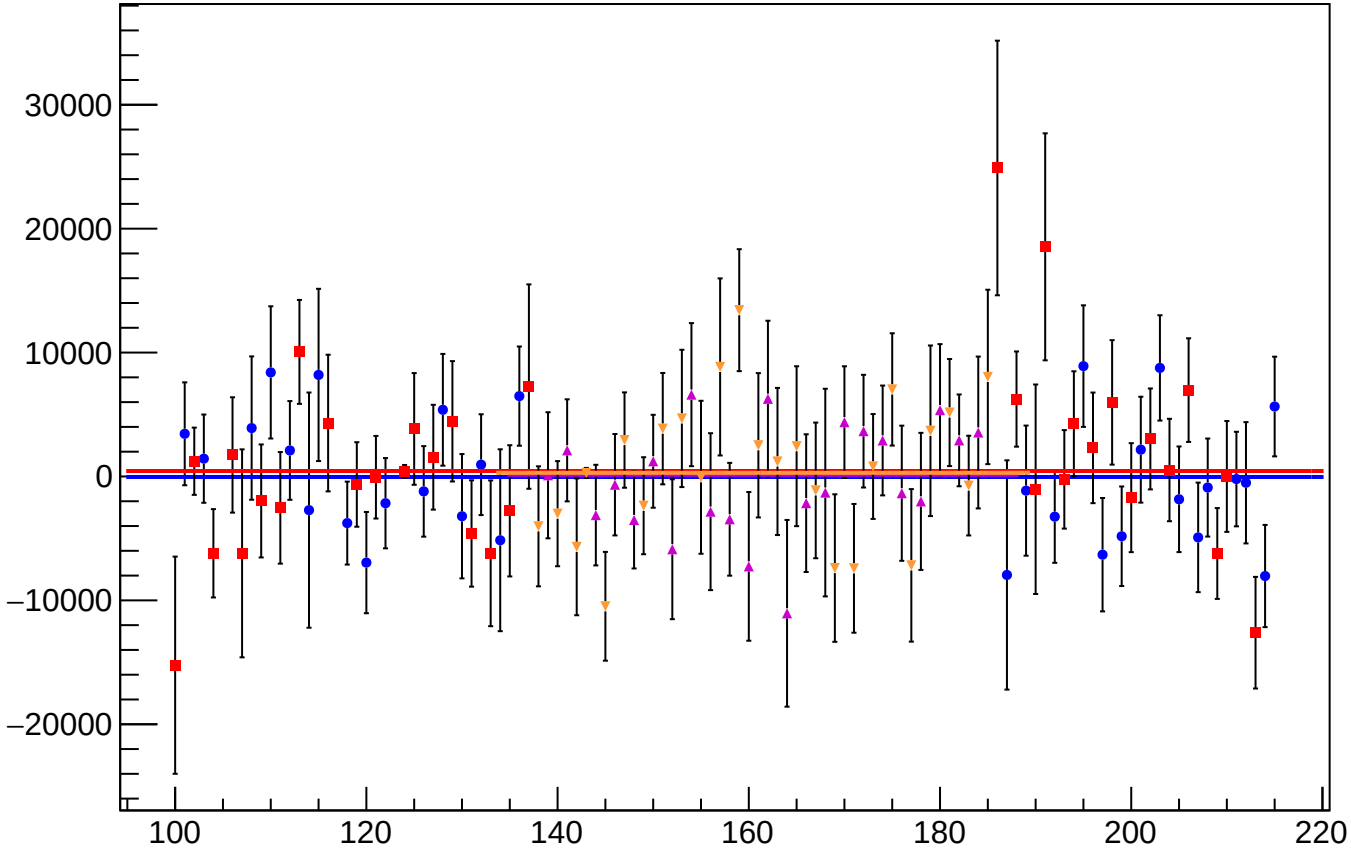
Right: 1764.850+/-0.204 χ^2/NDF: 1318802.3/64

In: 1797.443+/-0.208 χ^2/NDF:783212.6/53

Out: 1809.601+/-0.209 χ^2/NDF:999486.3/58

All: 1803.515+/-0.147 χ^2/NDF: 1784400.3/11

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -42.505+/-788.418 χ^2/NDF: 35.1/30

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 442.068+/-427.855 χ^2/NDF: 48.0/33

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

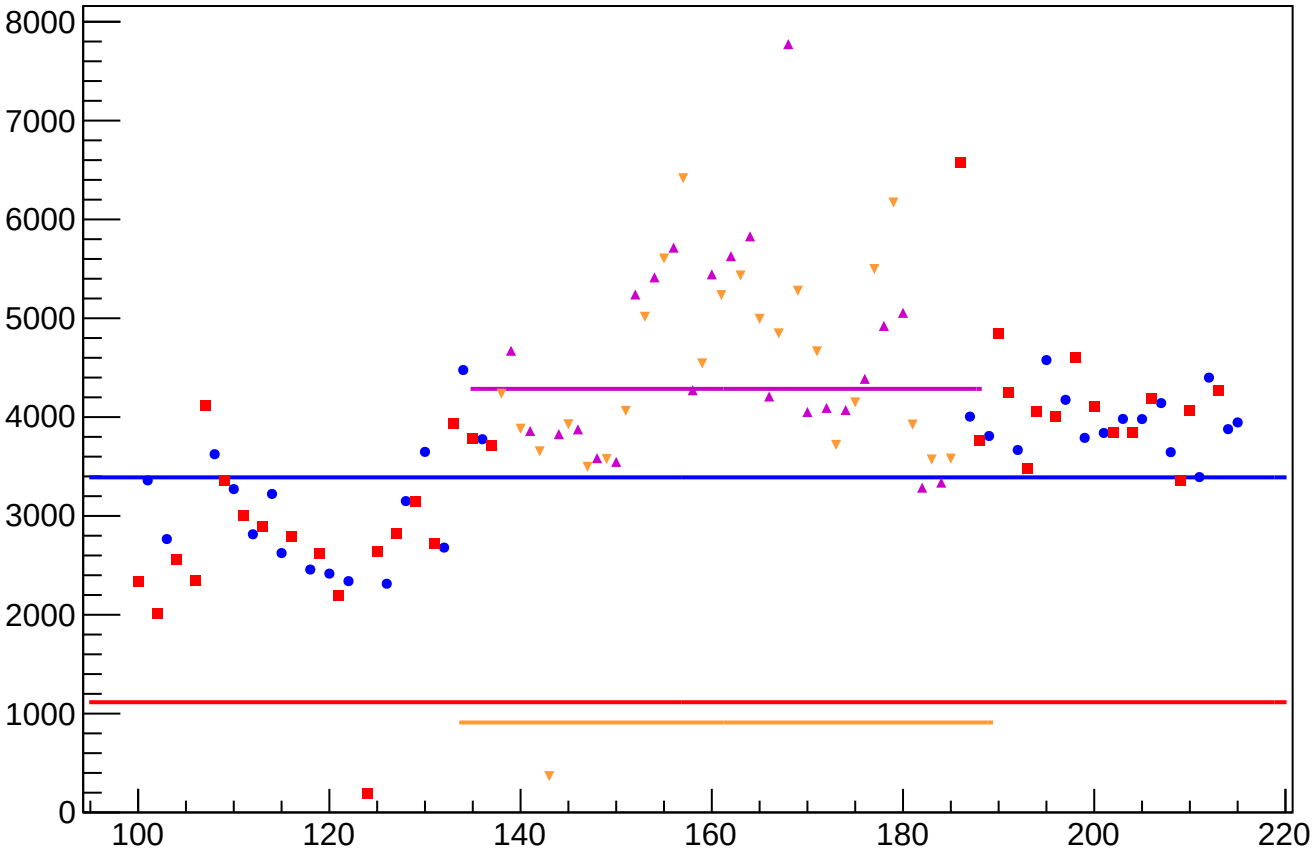
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 331.828+/-376.050 χ^2/NDF: 83.4/64

In: 24.864+/-624.464 χ^2/NDF:49.0/53

Out: 360.015+/-284.099 χ^2/NDF:78.1/58

All: 302.542+/-258.595 χ^2/NDF: 127.3/112



Right In: 3390.378+/-0.557 χ^2/NDF: 1419713.5/30

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1115.223+/-0.303 χ^2/NDF: 23851916.3/33

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

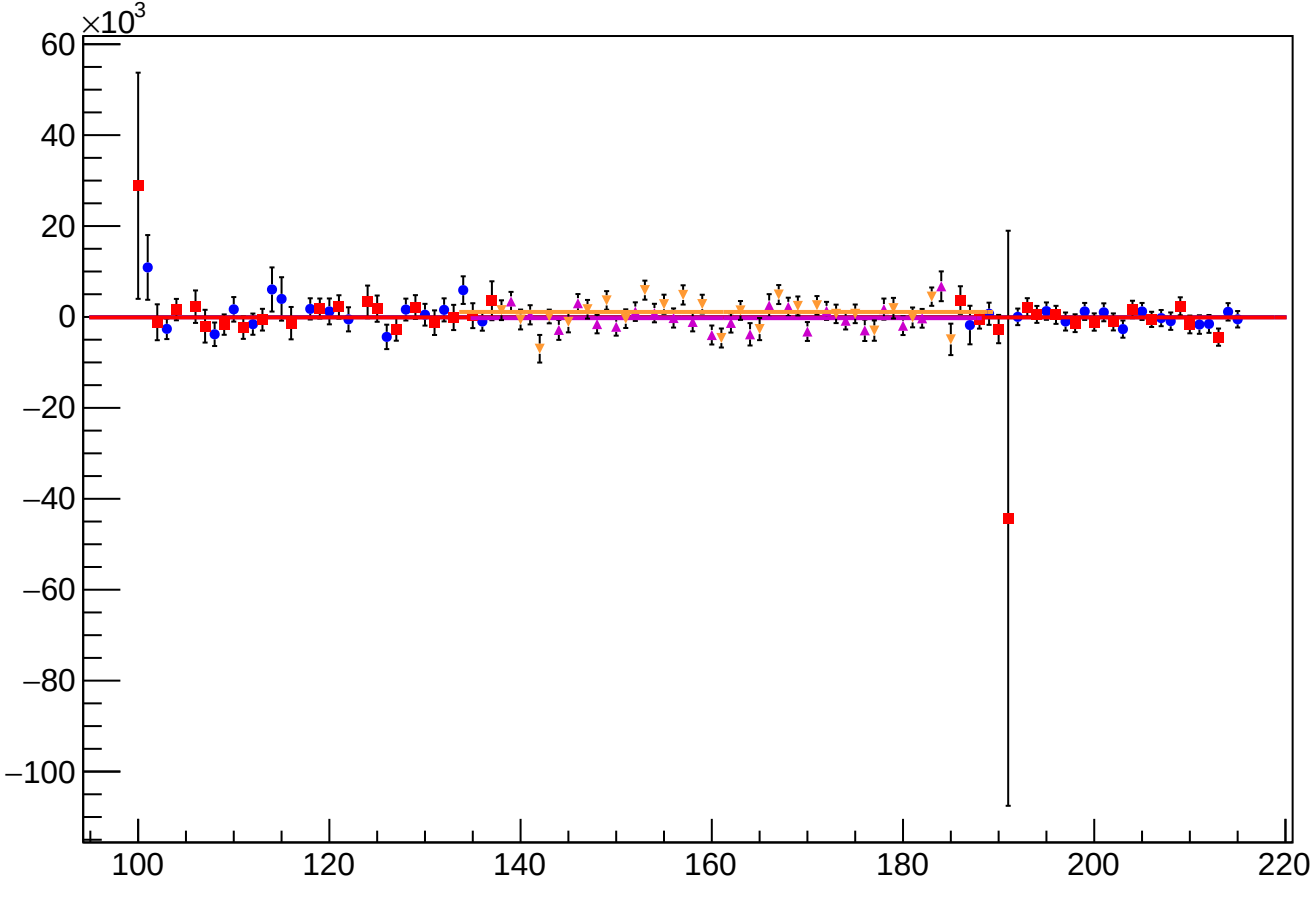
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1632.817+/-0.266 χ^2/NDF: 38137467.9/64

In: 3724.078+/-0.442 χ^2/NDF:3709096.8/53

Out: 1000.626+/-0.201 χ^2/NDF:50881511.0/58

All: 1467.655+/-0.183 χ^2/NDF: 86108327.1/1



Right In: -56.398+/-406.888 χ^2/NDF: 23.3/30

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -96.404+/-413.598 χ^2/NDF: 23.4/33

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

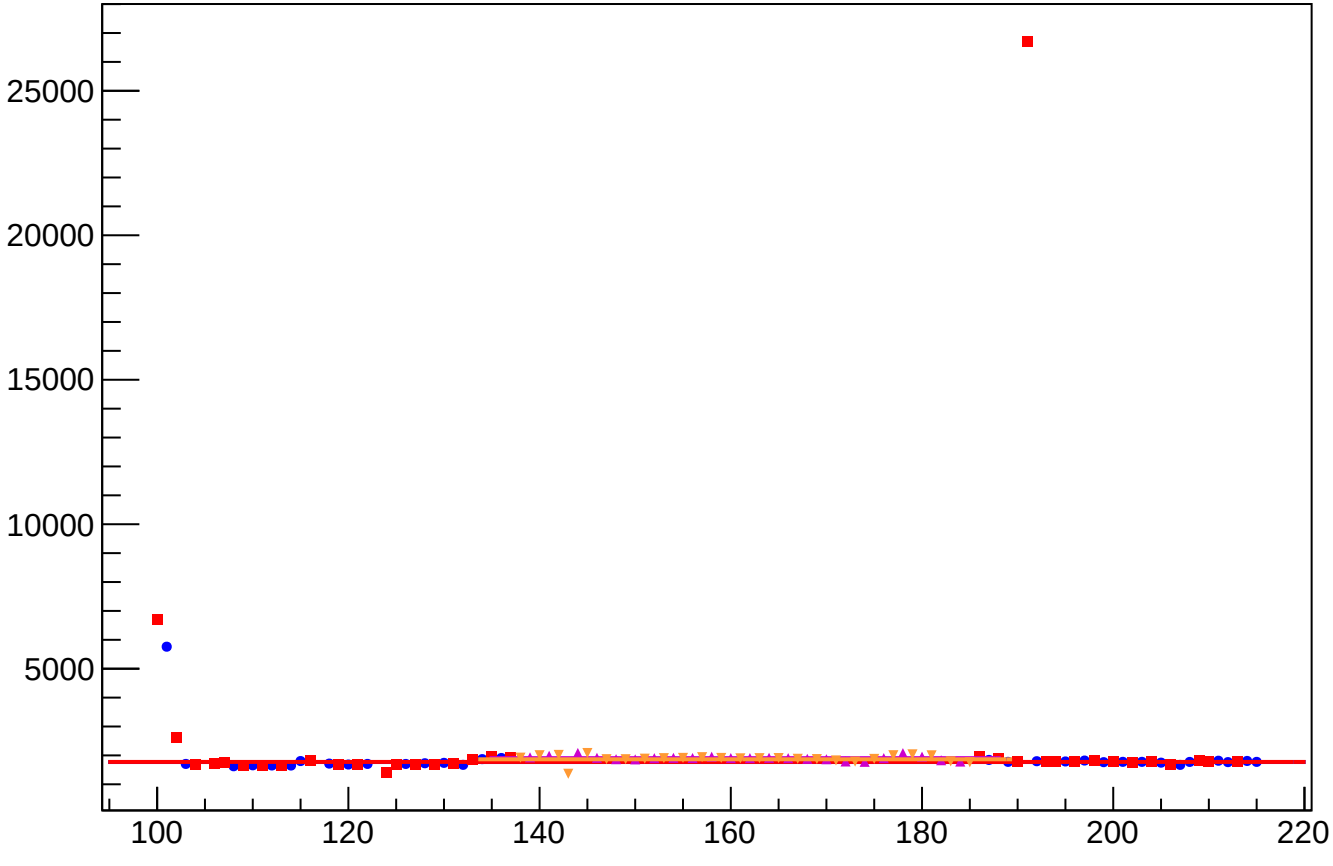
Right: -76.074+/-290.057 χ^2/NDF: 46.7/64

In: -151.125+/-300.393 χ^2/NDF:51.1/53

Out: 486.691+/-296.515 χ^2/NDF:72.3/58

All: 171.927+/-211.026 χ^2/NDF: 125.7/112

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1770.649+/-0.288 χ^2/NDF: 678901.6/30

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1773.930+/-0.292 χ^2/NDF: 569997.6/33

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

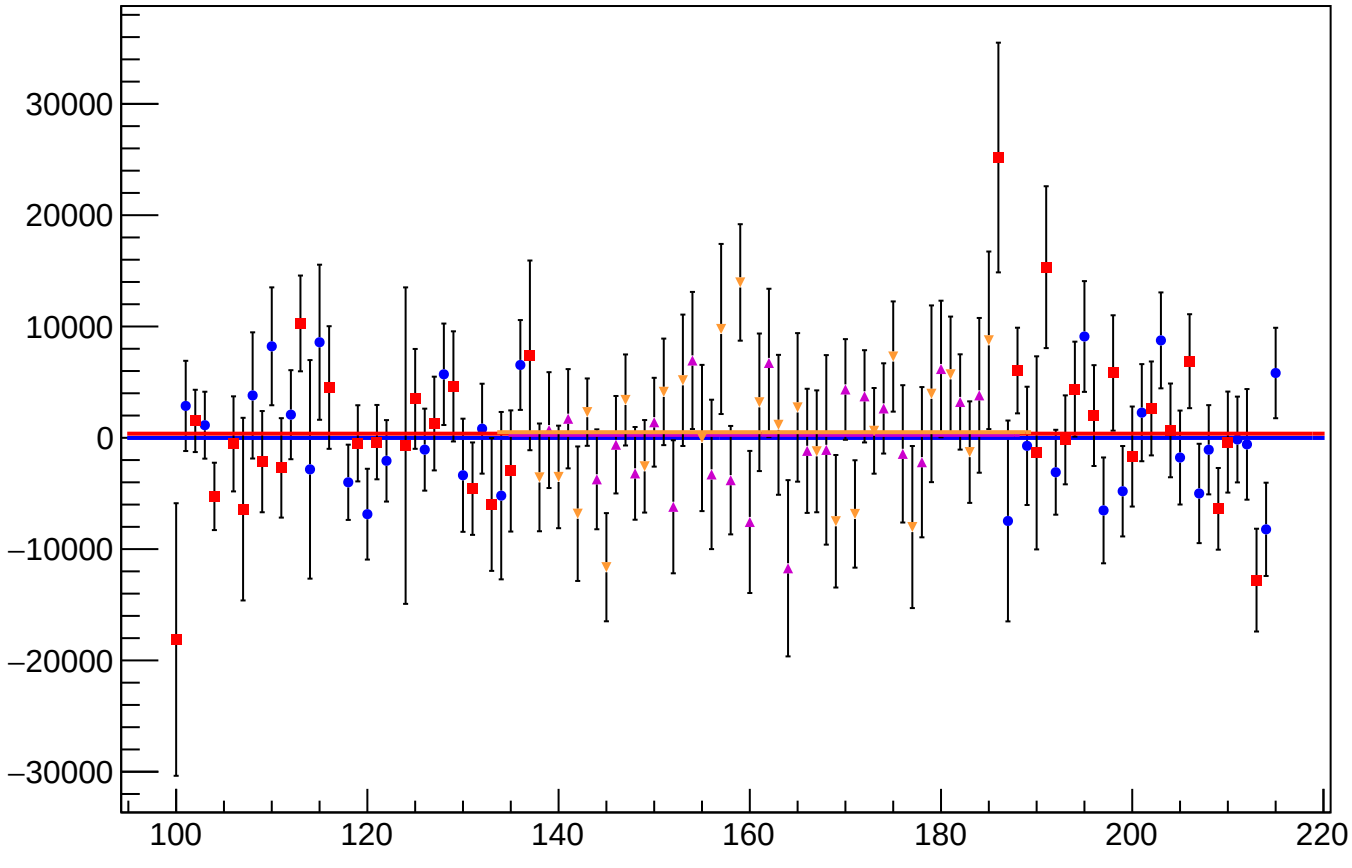
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1772.264+/-0.205 χ^2/NDF: 1248963.2/64

In: 1832.059+/-0.212 χ^2/NDF:831817.0/53

Out: 1818.063+/-0.210 χ^2/NDF:911727.1/58

All: 1824.965+/-0.149 χ^2/NDF: 1745744.4/11



Right In: -13.400+/-786.405 χ^2/NDF: 35.0/30

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 371.367+/-776.188 χ^2/NDF: 47.1/33

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

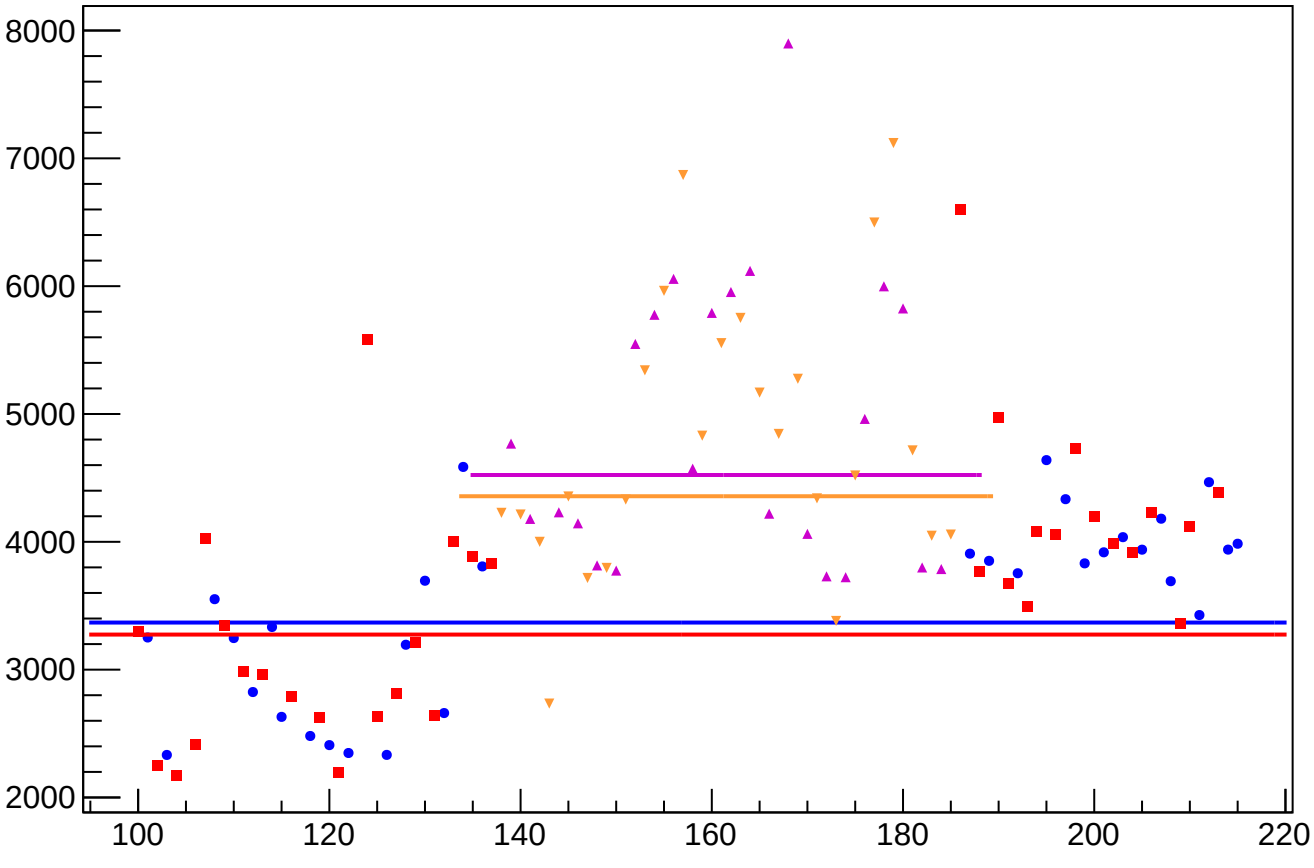
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 181.499+/-552.425 χ^2/NDF: 82.1/64

In: 81.534+/-636.013 χ^2/NDF:48.6/53

Out: 420.000+/-618.057 χ^2/NDF:77.1/58

All: 255.612+/-443.244 χ^2/NDF: 125.9/112



Right In: 3368.513+/-0.556 χ^2/NDF: 1671917.6/30

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3274.441+/-0.549 χ^2/NDF: 2271277.9/33

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

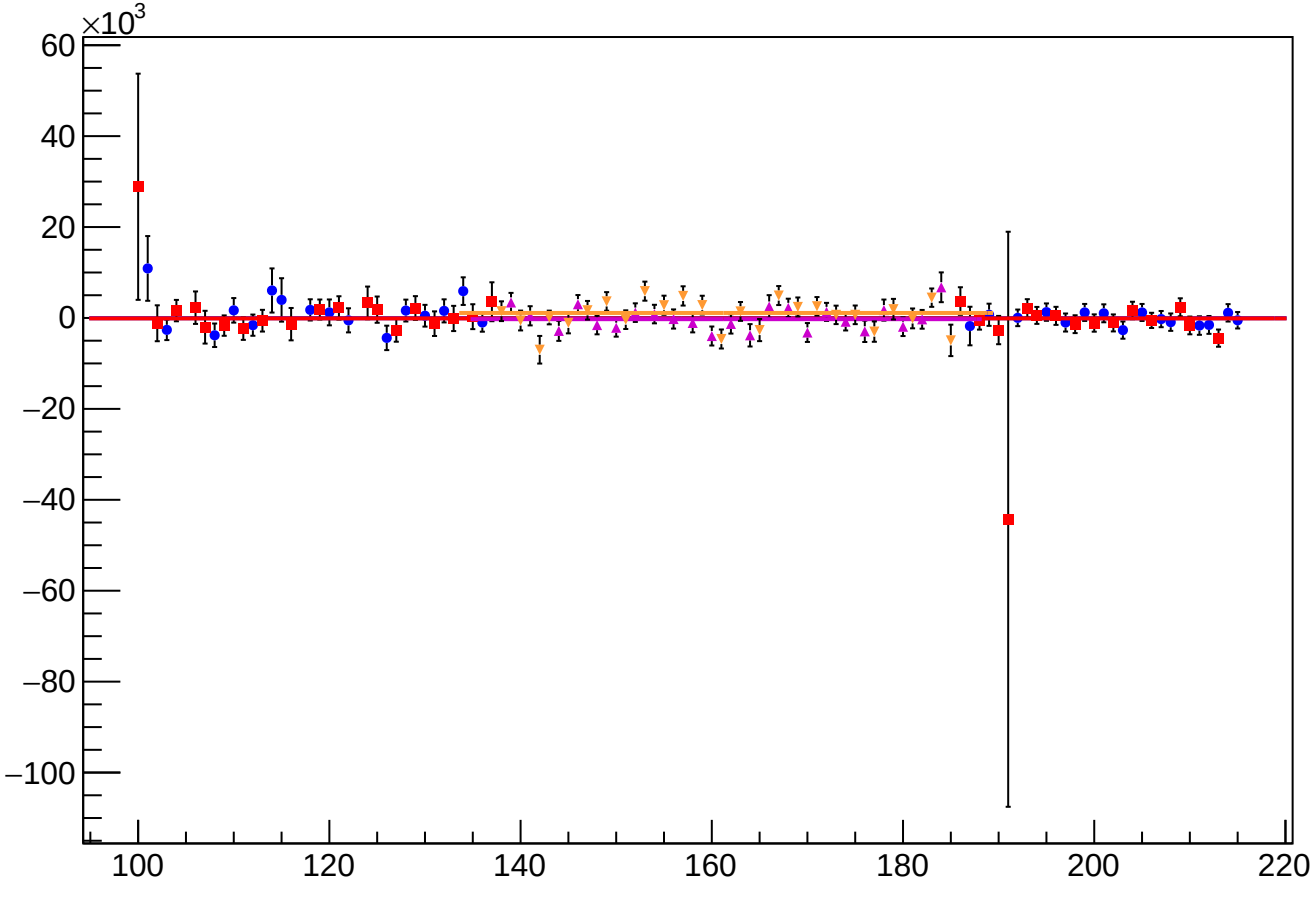
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3320.862+/-0.391 χ^2/NDF: 3957692.3/64

In: 3767.784+/-0.450 χ^2/NDF:4596362.9/53

Out: 3670.475+/-0.437 χ^2/NDF:5606376.1/58

All: 3717.736+/-0.313 χ^2/NDF: 10226817.6/1



Right In: -56.399+/-406.889 χ^2/NDF: 23.3/30

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -96.405+/-413.598 χ^2/NDF: 23.4/33

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

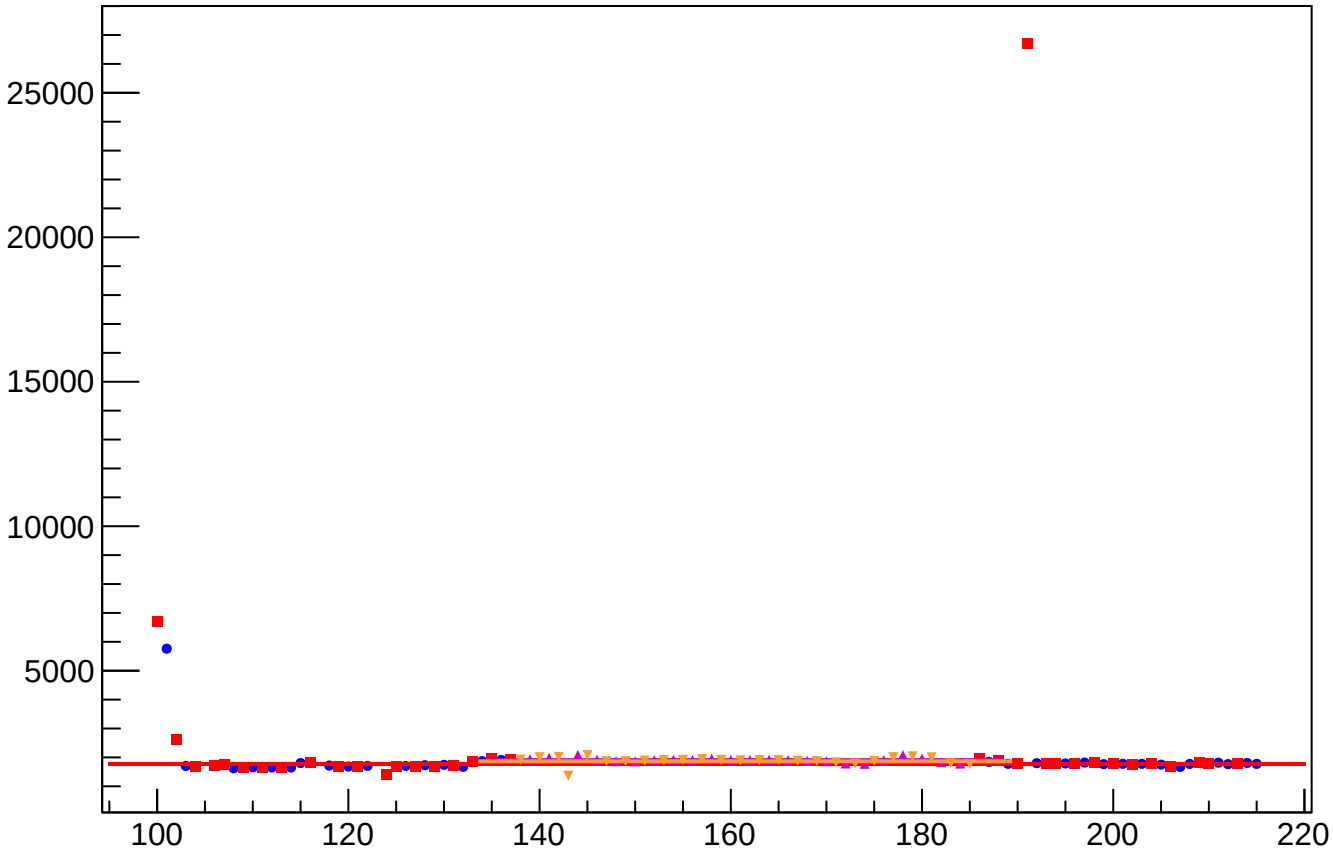
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -76.075+/-290.057 χ^2/NDF: 46.7/64

In: -151.126+/-300.393 χ^2/NDF:51.1/53

Out: 486.691+/-296.516 χ^2/NDF:72.3/58

All: 171.926+/-211.026 χ^2/NDF: 125.7/112



Right In: 1770.649+/-0.288 χ^2/NDF: 678901.6/30

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1773.930+/-0.292 χ^2/NDF: 569997.6/33

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

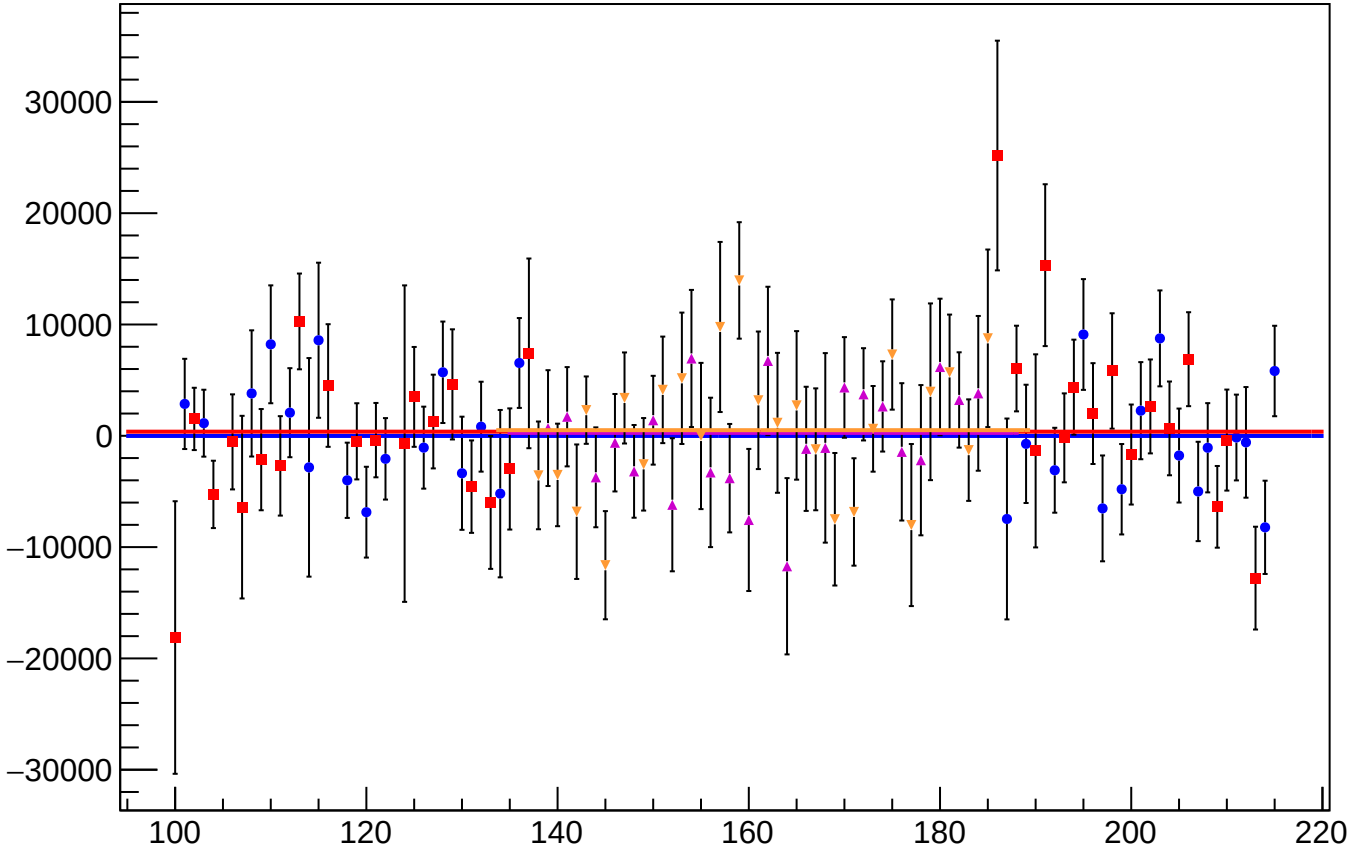
Right: 1772.264+/-0.205 χ^2/NDF: 1248963.2/64

In: 1832.059+/-0.212 χ^2/NDF:831820.7/53

Out: 1818.063+/-0.210 χ^2/NDF:911731.3/58

All: 1824.966+/-0.149 χ^2/NDF: 1745752.3/11

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -13.402+/-786.405 χ^2/NDF: 35.0/30

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 371.363+/-776.188 χ^2/NDF: 47.1/33

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

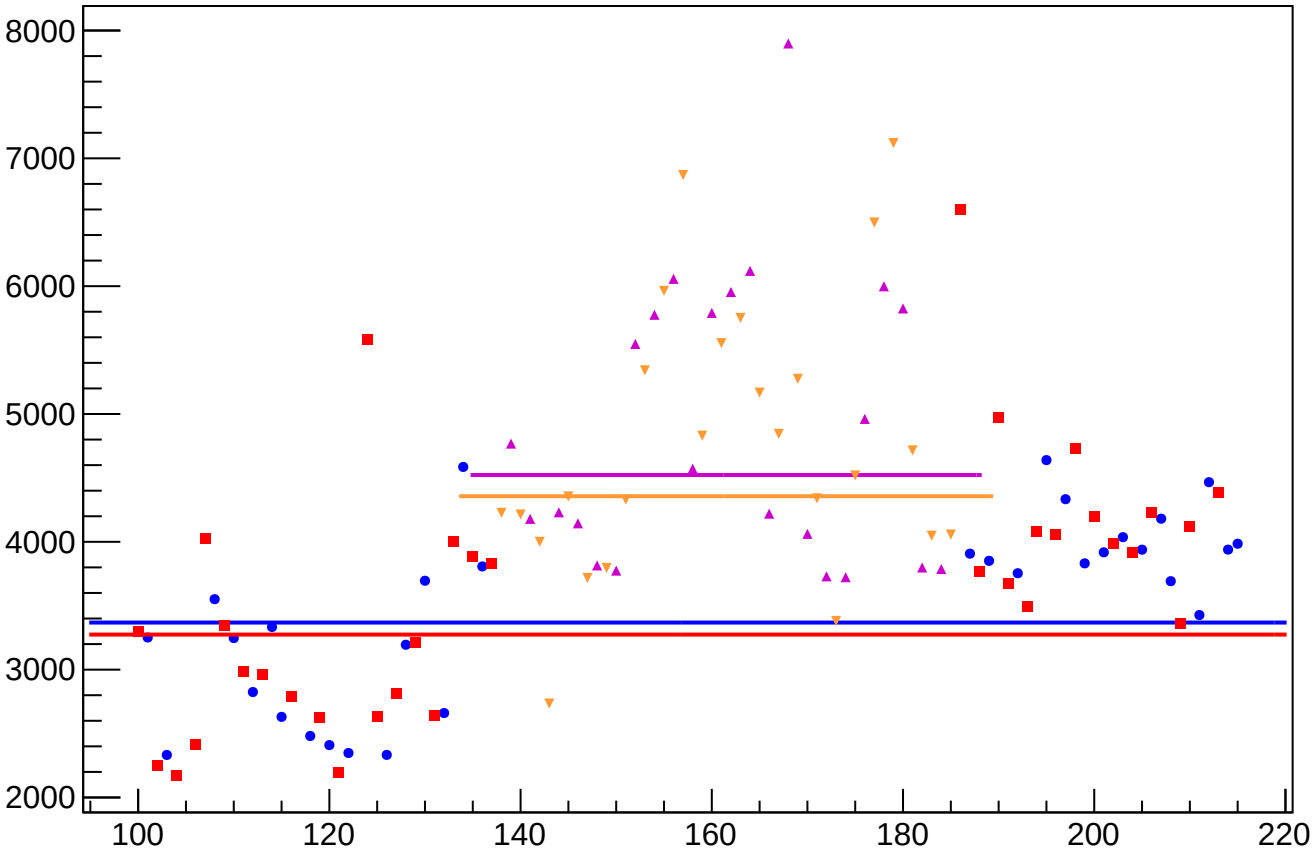
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 181.496+/-552.424 χ^2/NDF: 82.1/64

In: 81.533+/-636.014 χ^2/NDF:48.6/53

Out: 419.999+/-618.057 χ^2/NDF:77.1/58

All: 255.611+/-443.245 χ^2/NDF: 125.9/112



Right In: 3368.511+/-0.556 χ^2/NDF: 1671951.9/30

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3274.438+/-0.549 χ^2/NDF: 2271297.7/33

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

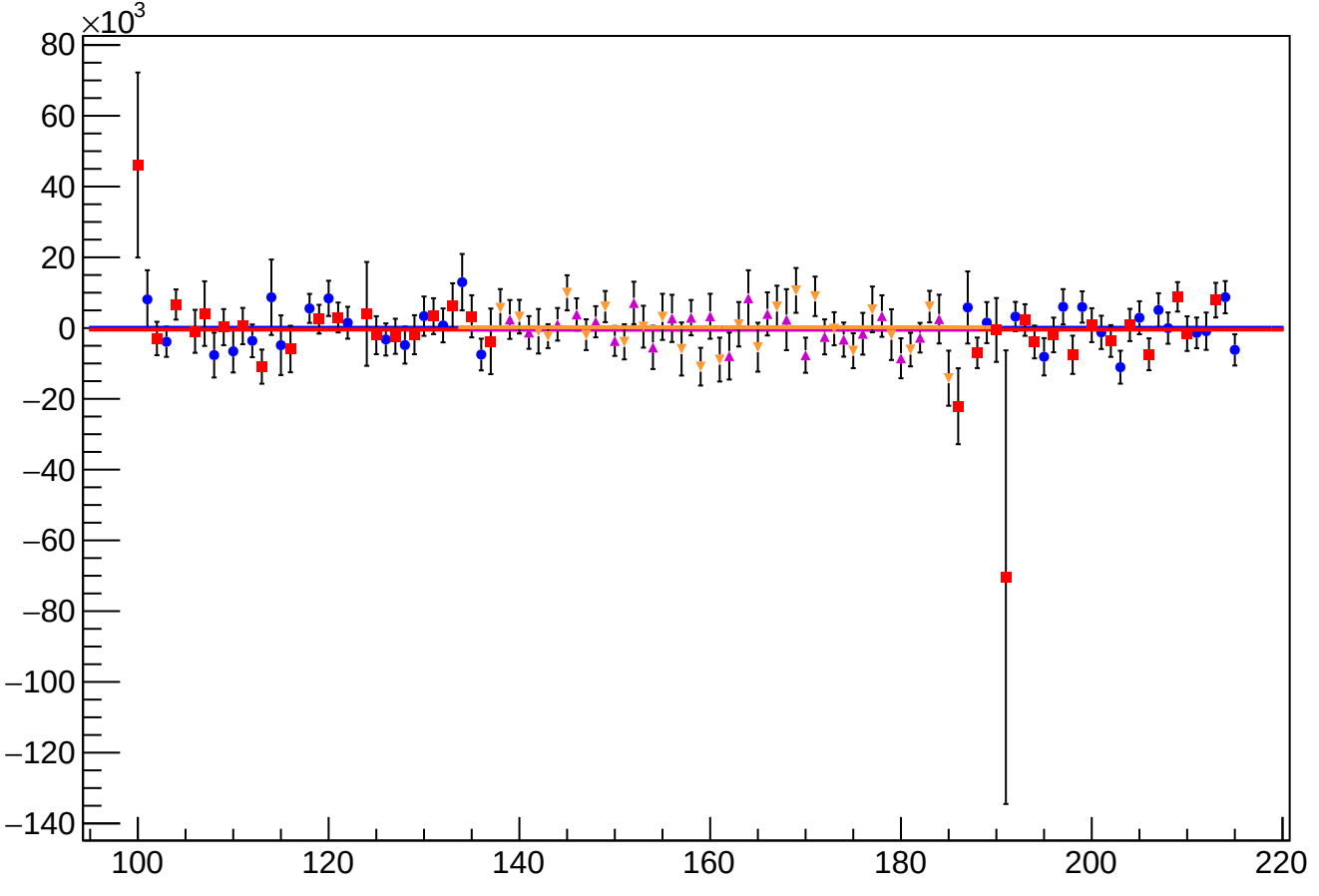
Right: 3320.859+/-0.391 χ^2/NDF: 3957746.7/64

In: 3767.784+/-0.450 χ^2/NDF:4596421.4/53

Out: 3670.474+/-0.437 χ^2/NDF:5606424.0/58

All: 3717.736+/-0.313 χ^2/NDF: 10226924.3/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 77.566+/-907.687 χ^2/NDF: 37.6/30

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -424.863+/-915.162 χ^2/NDF: 36.9/33

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

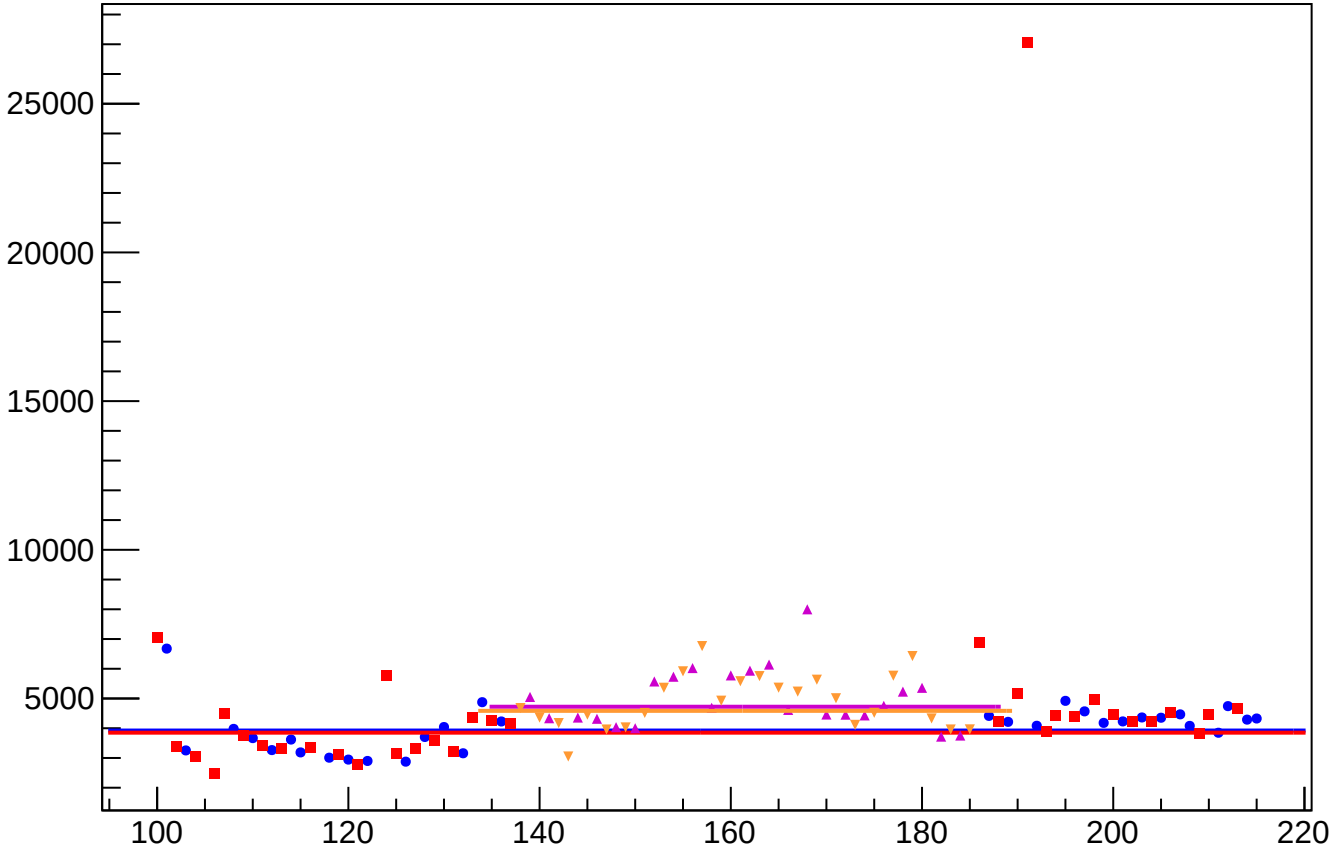
Right: -171.588+/-644.458 χ^2/NDF: 74.7/64

In: -110.646+/-705.511 χ^2/NDF:52.0/53

Out: -142.377+/-694.003 χ^2/NDF:69.3/58

All: -126.773+/-494.752 χ^2/NDF: 121.3/112

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3922.494+/-0.642 χ^2/NDF: 1087453.0/30

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3851.336+/-0.642 χ^2/NDF: 1504634.9/33

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

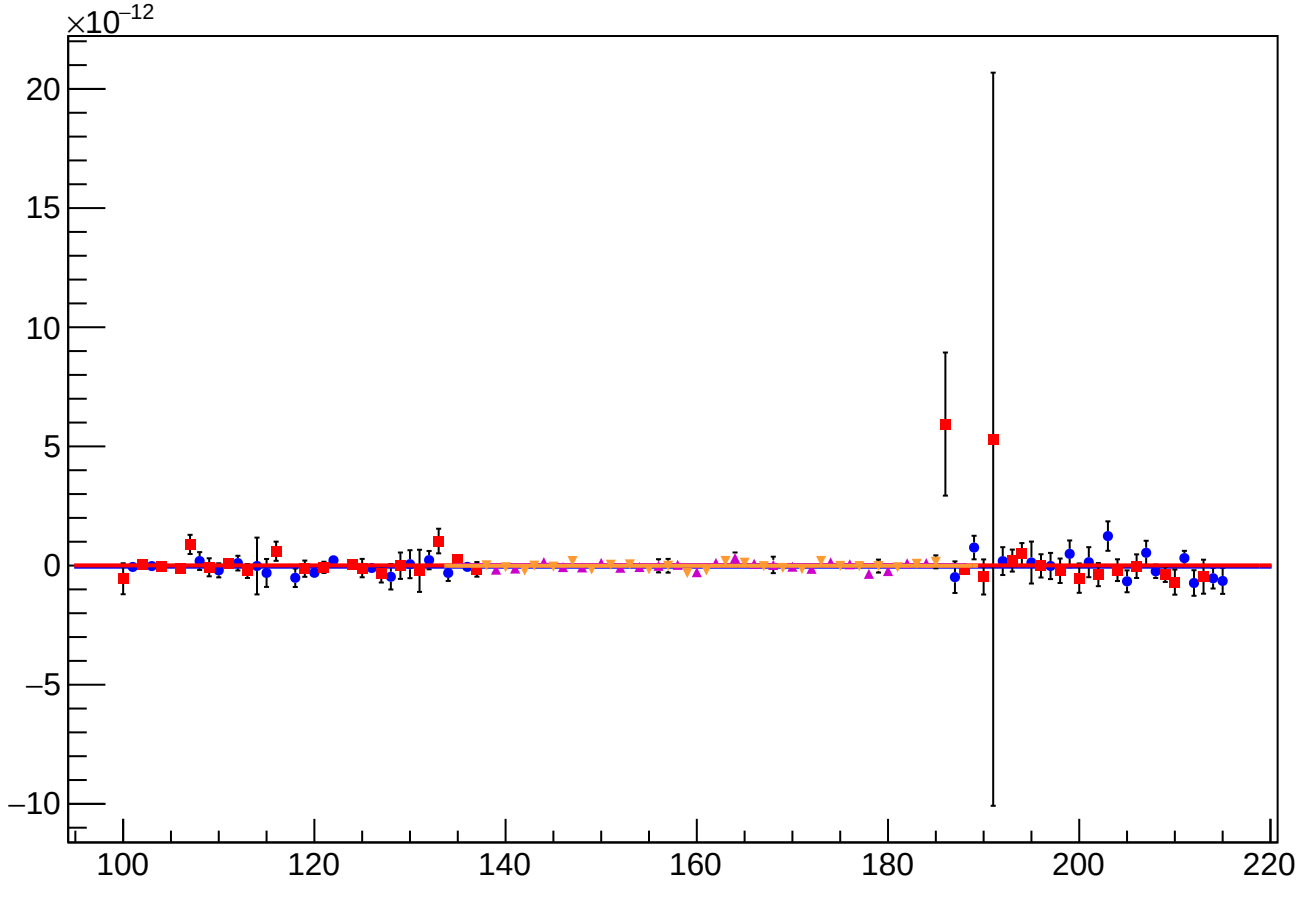
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3886.948+/-0.454 χ^2/NDF: 2598227.9/64

In: 4239.390+/-0.499 χ^2/NDF:2719878.8/53

Out: 4160.340+/-0.489 χ^2/NDF:3365408.7/58

All: 4199.049+/-0.349 χ^2/NDF: 6098101.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/33

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

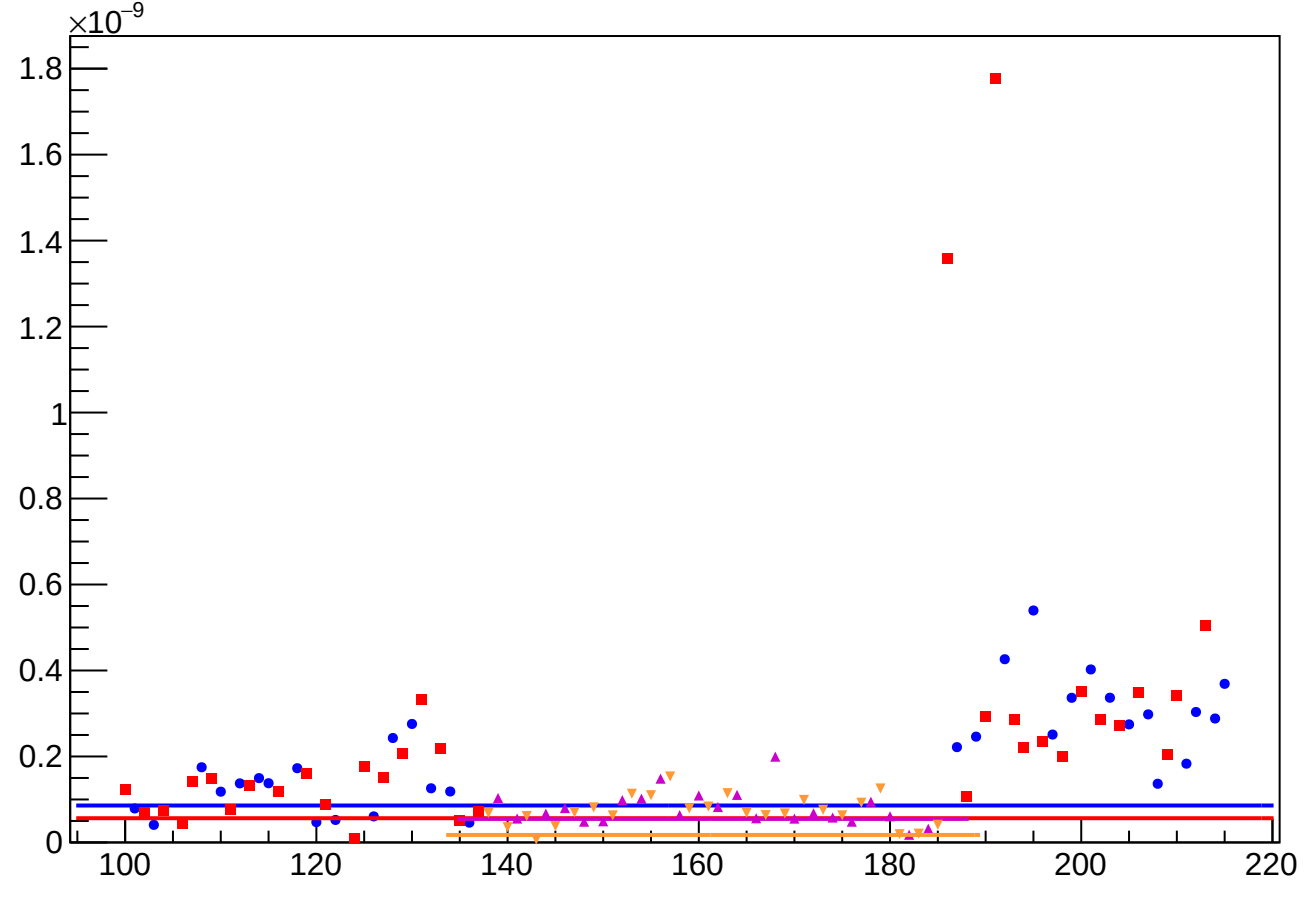
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 57.9/64

In: 0.000+/-0.000 χ^2/NDF:54.1/53

Out: -0.000+/-0.000 χ^2/NDF:53.5/58

All: -0.000+/-0.000 χ^2/NDF: 107.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 7146713.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9354255.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

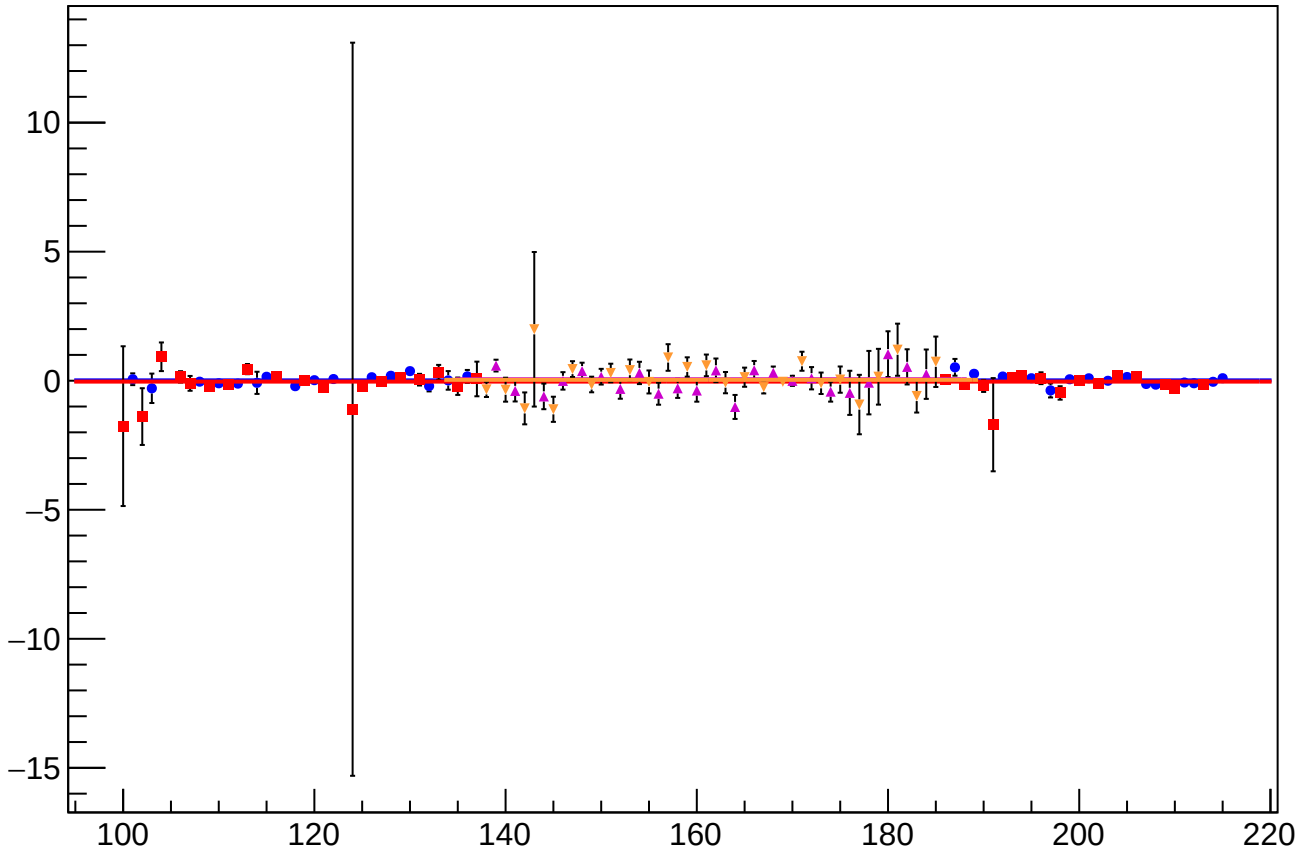
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17101469.3/64

In: 0.000+/-0.000 χ^2/NDF:10783729.5/53

Out: 0.000+/-0.000 χ^2/NDF:20563506.3/58

All: 0.000+/-0.000 χ^2/NDF: 37545958.9/112



Right In: 0.014+/-0.030 χ^2/NDF: 25.9/30

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.034+/-0.030 χ^2/NDF: 41.4/33

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

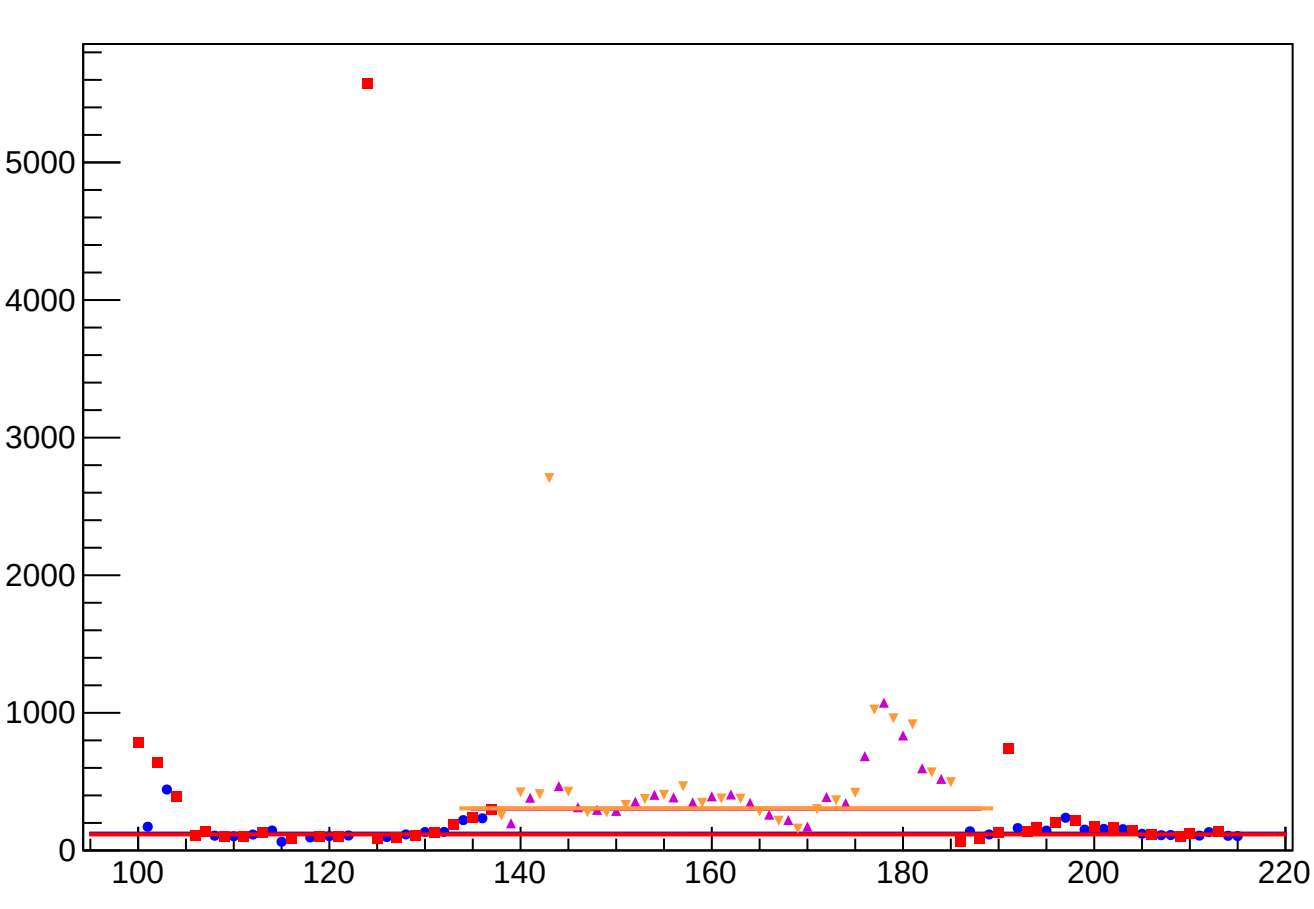
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.010+/-0.021 χ^2/NDF: 68.6/64

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.003+/-0.020 χ^2/NDF: 126.1/112



Right In: 122.583+/-0.021 χ^2/NDF: 2622301.6/30

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.635+/-0.021 χ^2/NDF: 4452769.3/33

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

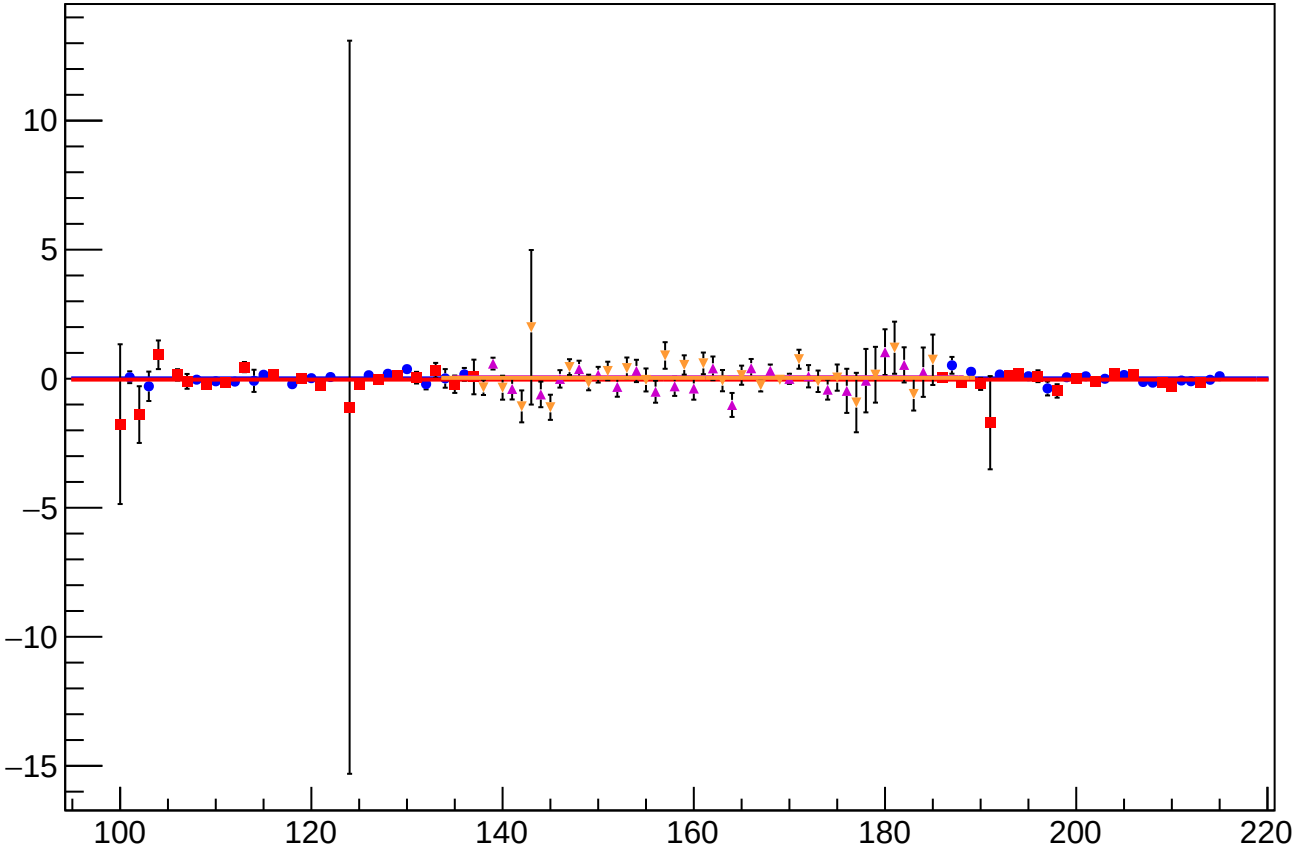
Right: 119.614+/-0.015 χ^2/NDF: 7114879.9/64

In: 145.940+/-0.020 χ^2/NDF:16950245.1/53

Out: 140.832+/-0.020 χ^2/NDF:21380261.1/58

All: 143.392+/-0.014 χ^2/NDF: 38364197.5/1

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.030 χ^2/NDF: 25.9/30

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.034+/-0.030 χ^2/NDF: 41.4/33

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

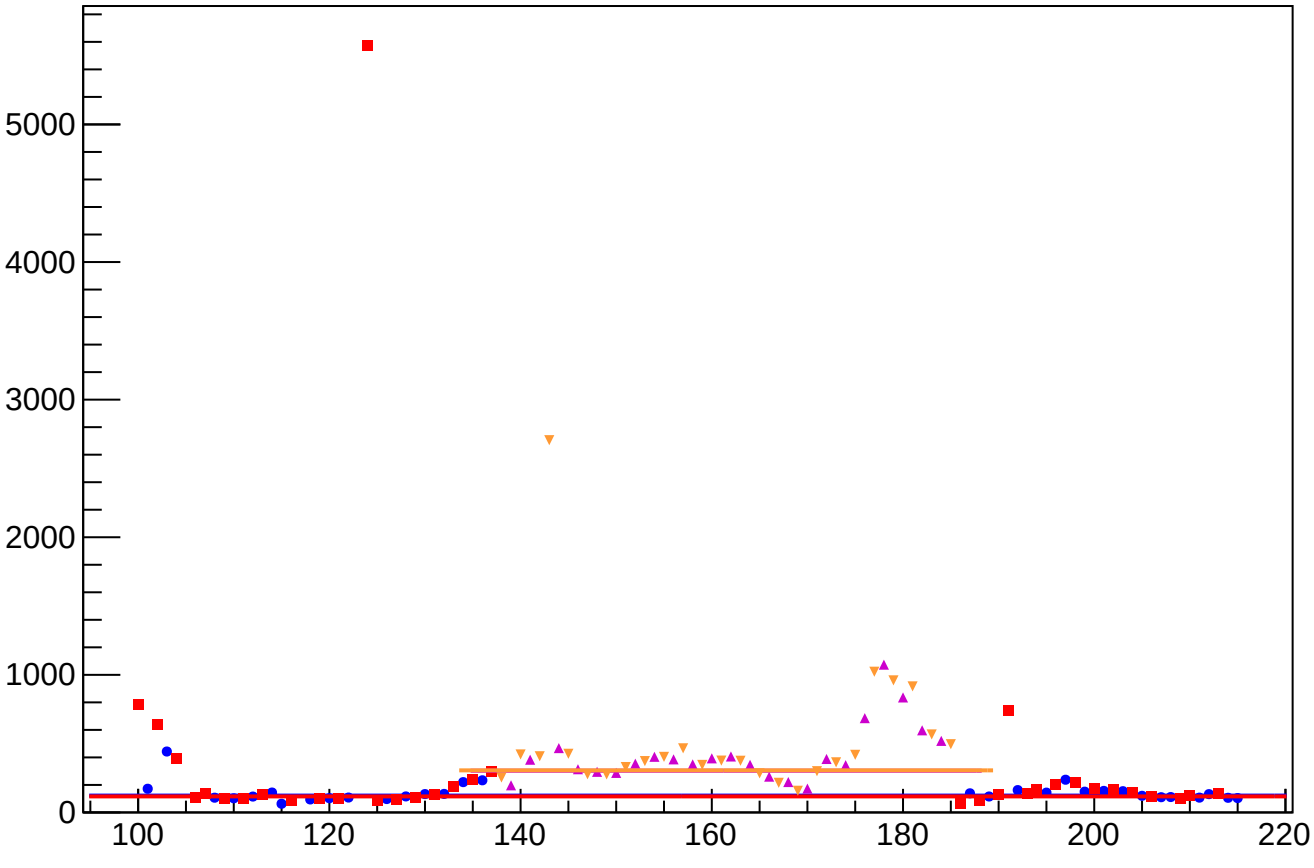
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.010+/-0.021 χ^2/NDF: 68.6/64

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.003+/-0.020 χ^2/NDF: 126.1/112



Right In: 122.583+/-0.021 χ^2/NDF: 2622301.6/30

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.635+/-0.021 χ^2/NDF: 4452769.3/33

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

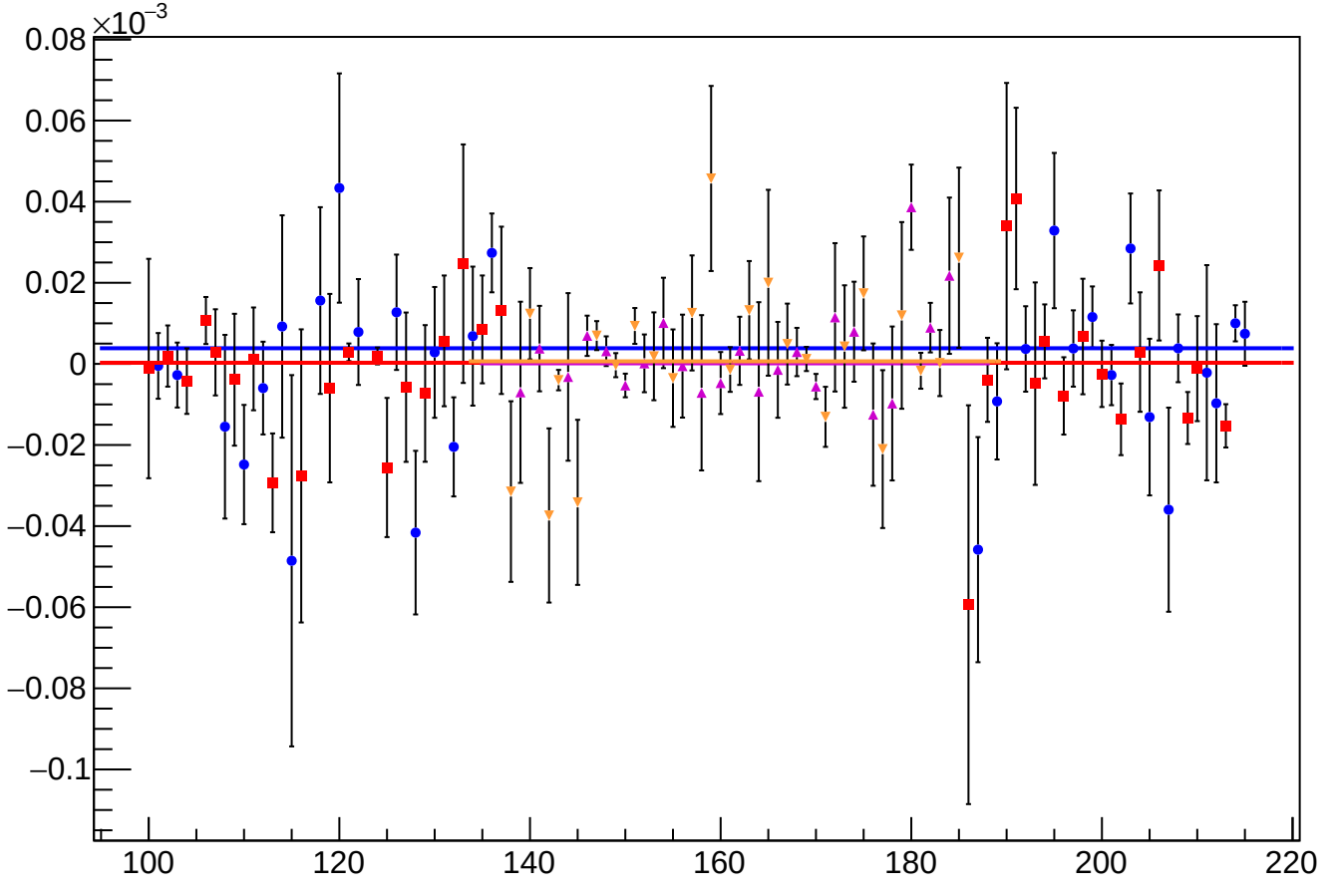
Right: 119.614+/-0.015 χ^2/NDF: 7114879.9/64

In: 145.940+/-0.020 χ^2/NDF:16950245.1/53

Out: 140.832+/-0.020 χ^2/NDF:21380261.1/58

All: 143.392+/-0.014 χ^2/NDF: 38364197.5/1

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 42.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.0/33

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

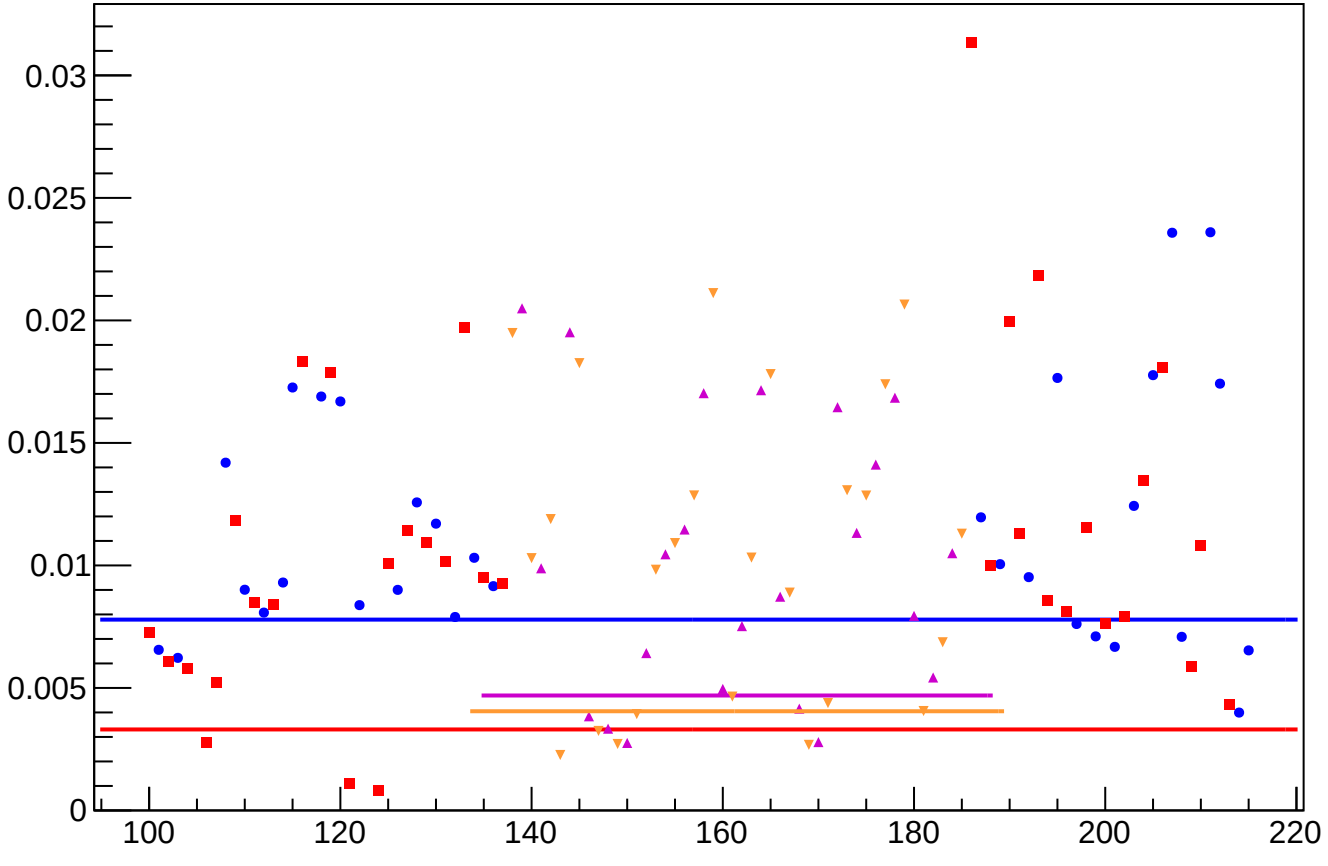
Right: 0.000+/-0.000 χ^2/NDF: 86.0/64

In: 0.000+/-0.000 χ^2/NDF:74.7/53

Out: 0.000+/-0.000 χ^2/NDF:75.7/58

All: 0.000+/-0.000 χ^2/NDF: 150.8/112

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 6244871.3/30

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20102412.9/33

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

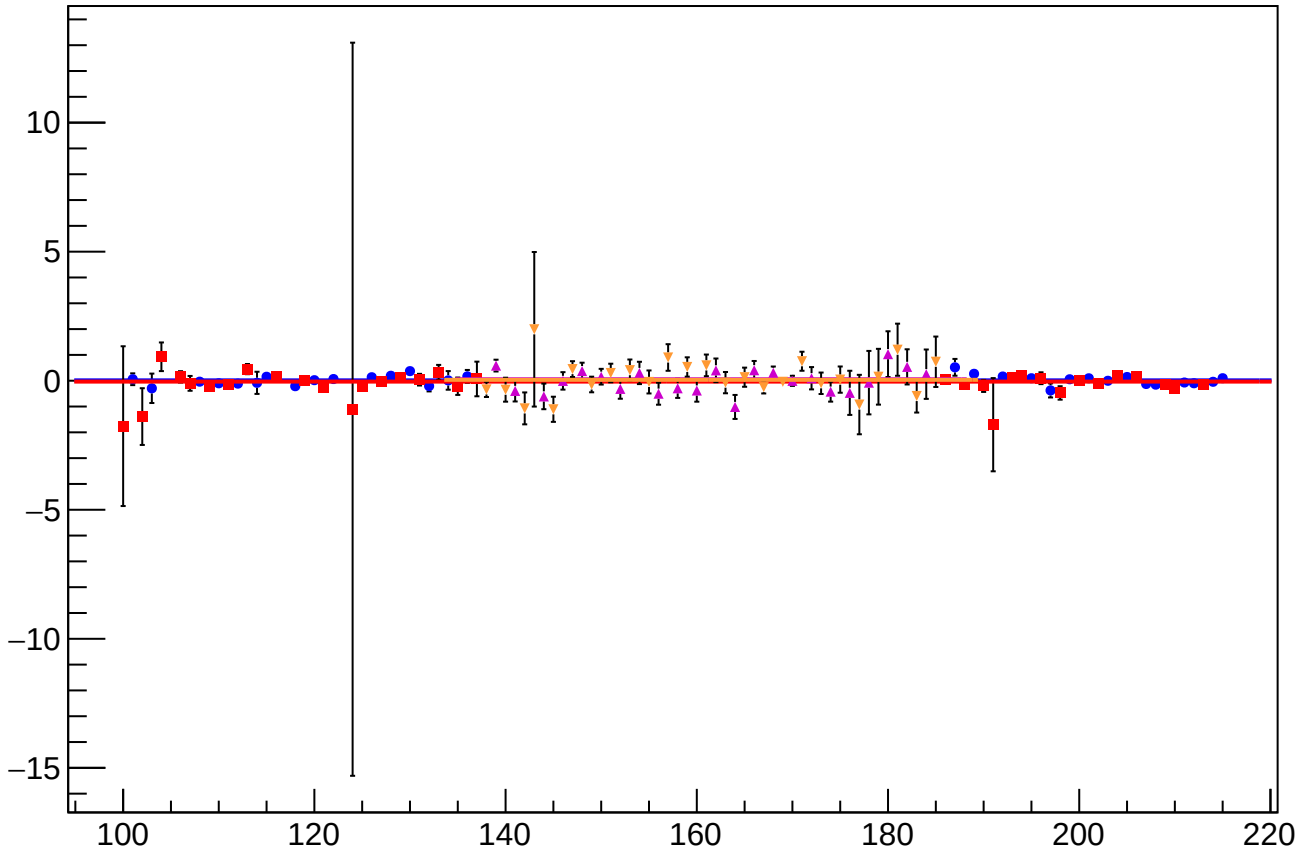
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.004+/-0.000 χ^2/NDF: 33697658.4/64

In: 0.006+/-0.000 χ^2/NDF:20299527.2/53

Out: 0.004+/-0.000 χ^2/NDF:34042887.6/58

All: 0.004+/-0.000 χ^2/NDF: 58379700.4/112



Right In: 0.014+/-0.030 χ^2/NDF: 25.9/30

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.034+/-0.030 χ^2/NDF: 41.4/33

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

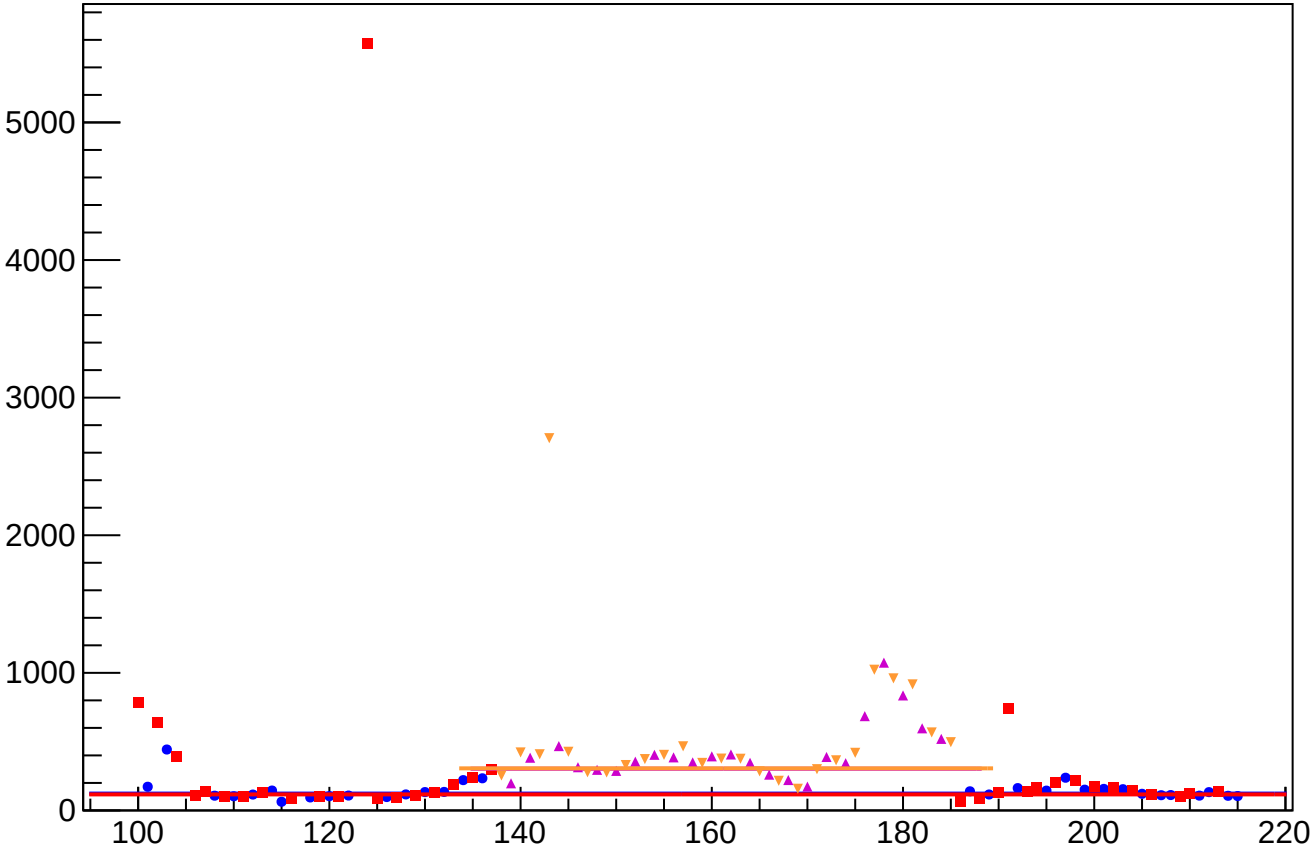
Right: -0.010+/-0.021 χ^2/NDF: 68.6/64

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.003+/-0.020 χ^2/NDF: 126.1/112

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.584+/-0.021 χ^2/NDF: 2622275.8/30

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.636+/-0.021 χ^2/NDF: 4452609.4/33

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

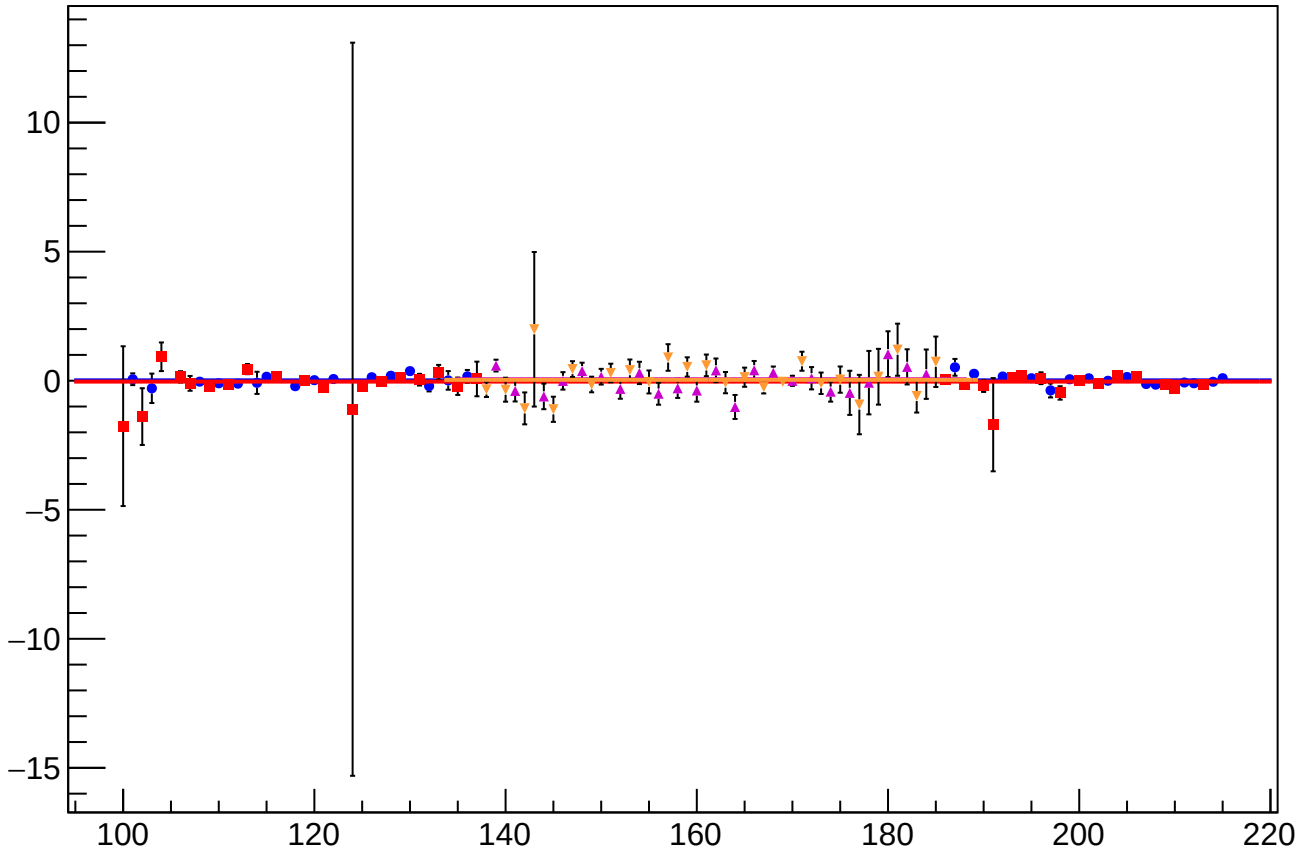
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 119.615+/-0.015 χ^2/NDF: 7114693.0/64

In: 145.941+/-0.020 χ^2/NDF:16950223.1/53

Out: 140.833+/-0.020 χ^2/NDF:21380107.6/58

All: 143.393+/-0.014 χ^2/NDF: 38364022.9/11



Right In: 0.014+/-0.030 χ^2/NDF: 25.9/30

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.034+/-0.030 χ^2/NDF: 41.4/33

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

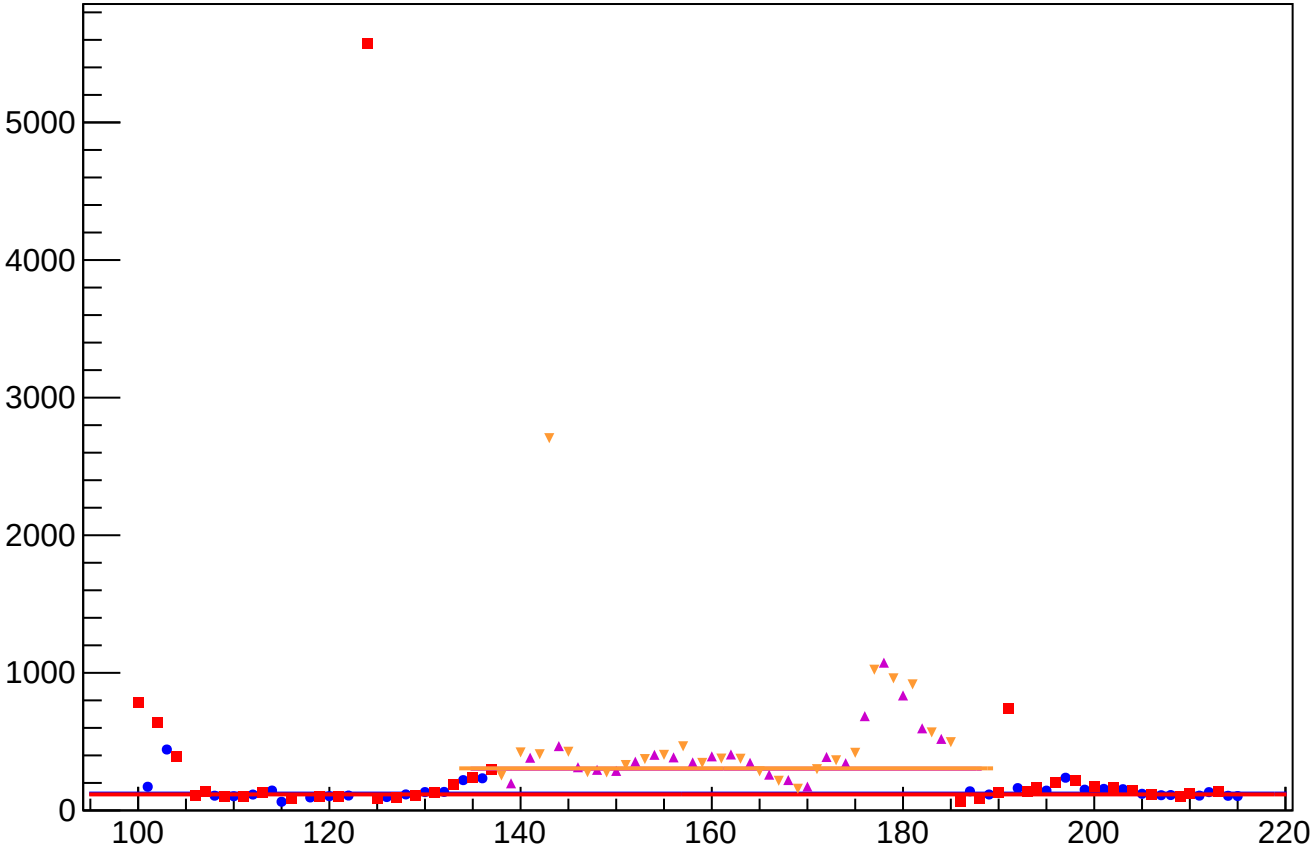
Right: -0.010+/-0.021 χ^2/NDF: 68.6/64

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.026+/-0.028 χ^2/NDF:72.6/58

All: -0.003+/-0.020 χ^2/NDF: 126.1/112

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.584+/-0.021 χ^2/NDF: 2622275.8/30

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.636+/-0.021 χ^2/NDF: 4452609.4/33

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

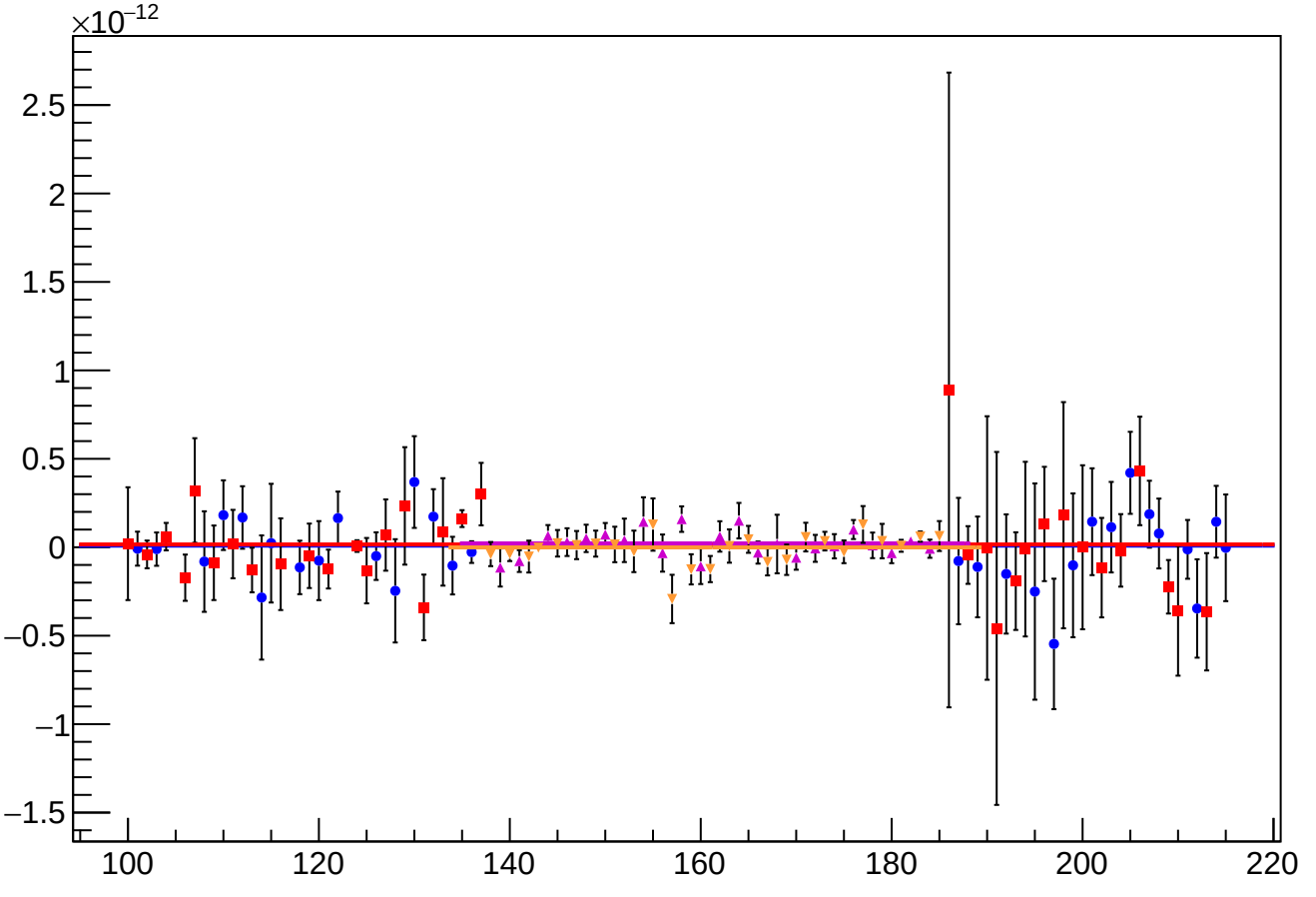
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 119.615+/-0.015 χ^2/NDF: 7114693.0/64

In: 145.941+/-0.020 χ^2/NDF:16950223.1/53

Out: 140.833+/-0.020 χ^2/NDF:21380107.6/58

All: 143.393+/-0.014 χ^2/NDF: 38364022.9/1



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/33

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

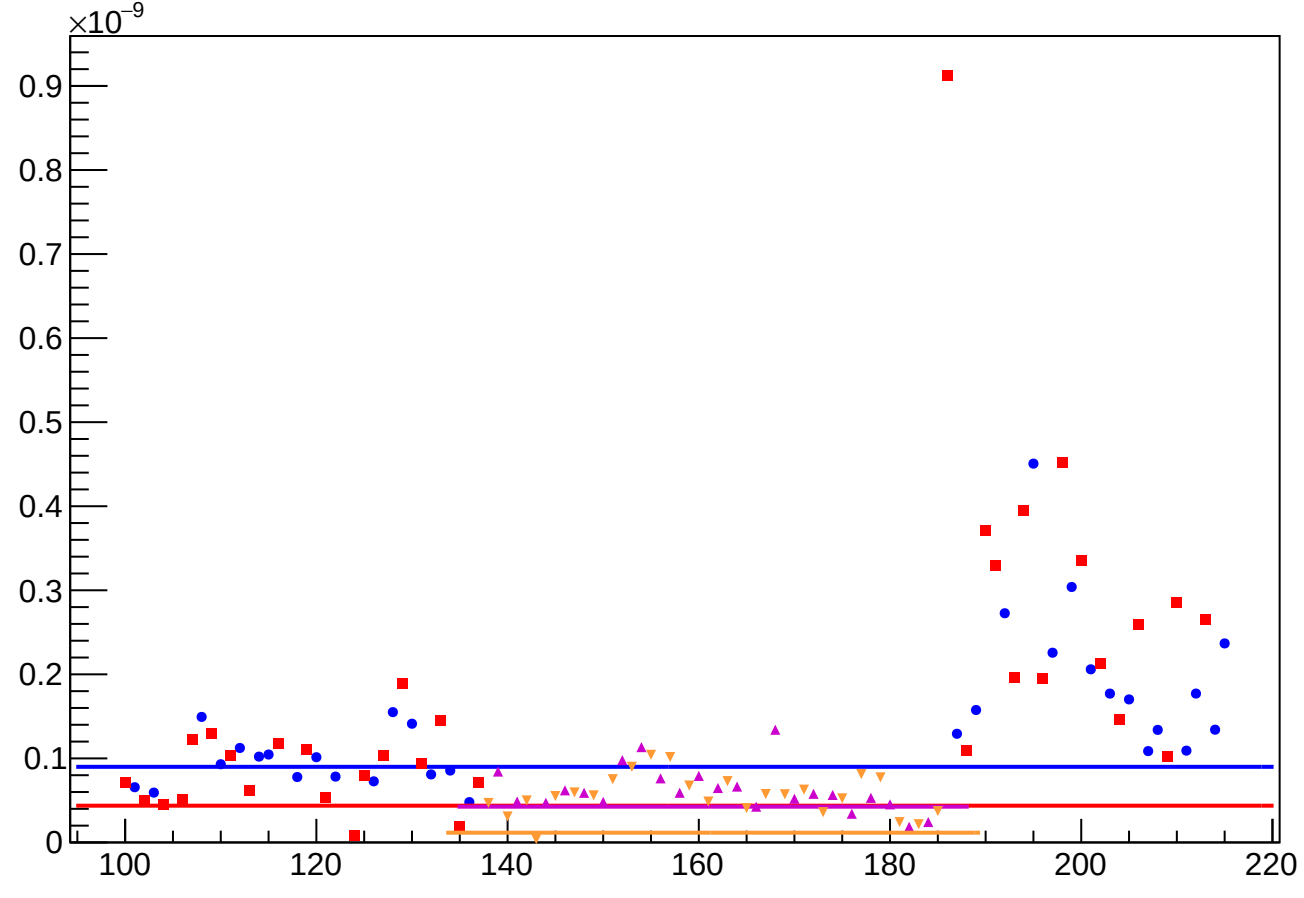
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

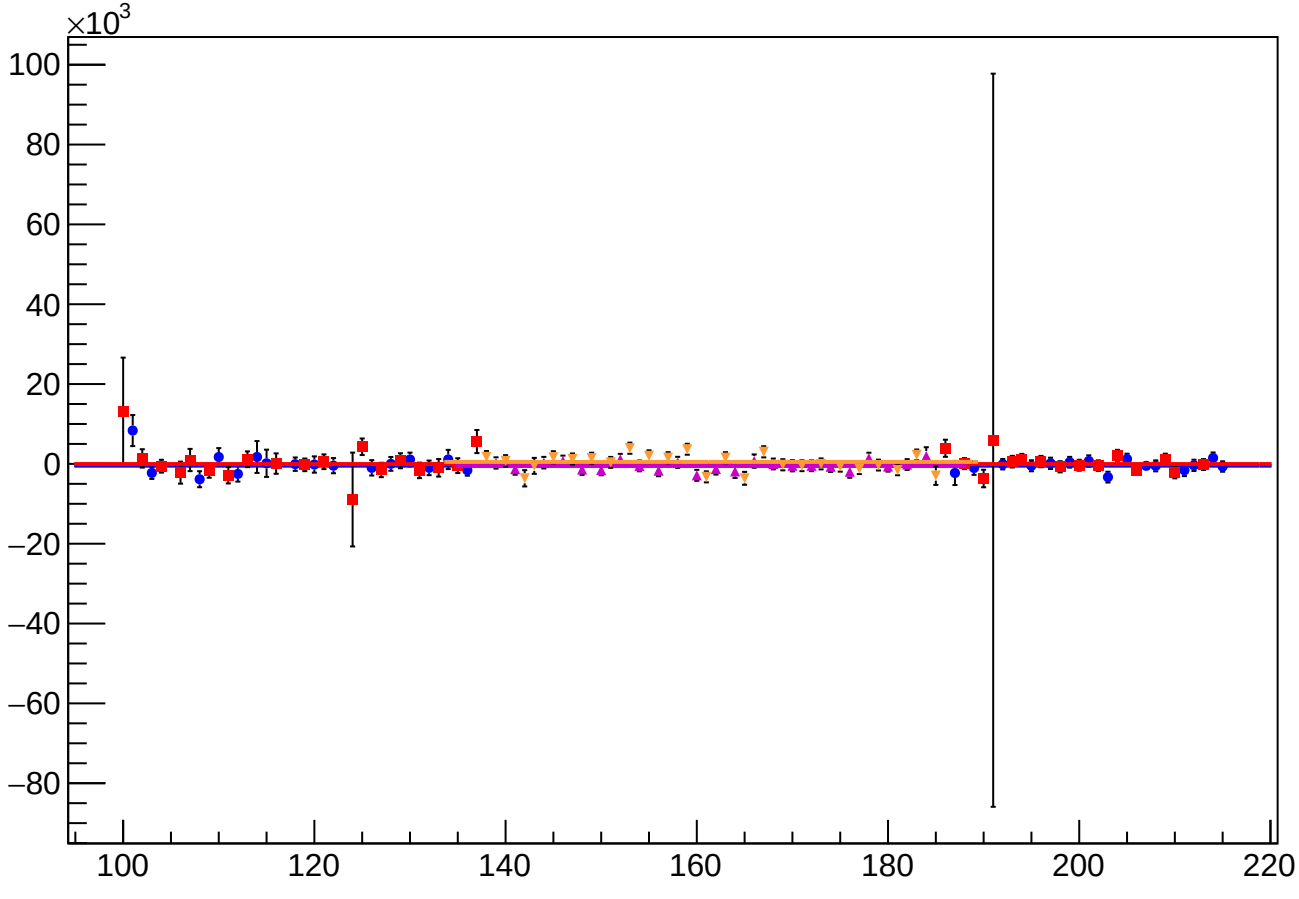
Right: 0.000+/-0.000 χ^2/NDF: 51.5/64

In: 0.000+/-0.000 χ^2/NDF:38.4/53

Out: 0.000+/-0.000 χ^2/NDF:55.3/58

All: 0.000+/-0.000 χ^2/NDF: 95.9/112


asym_atr1l2_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: 5573663.3/30
Left Out: 0.000+/-0.000 χ²/NDF:17863822.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 14294049.6/33
Left In: 0.000+/-0.000 χ²/NDF:5419961.9/22
Left: 0.000+/-0.000 χ²/NDF: 32408011.0/47
Right: 0.000+/-0.000 χ²/NDF: 22998940.0/64
In: 0.000+/-0.000 χ²/NDF:15049215.0/53
Out: 0.000+/-0.000 χ²/NDF:36590276.2/58
All: 0.000+/-0.000 χ²/NDF: 66077211.2/112



Right In: -438.594+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -43.378+/-300.709 χ^2/NDF: 31.1/33

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

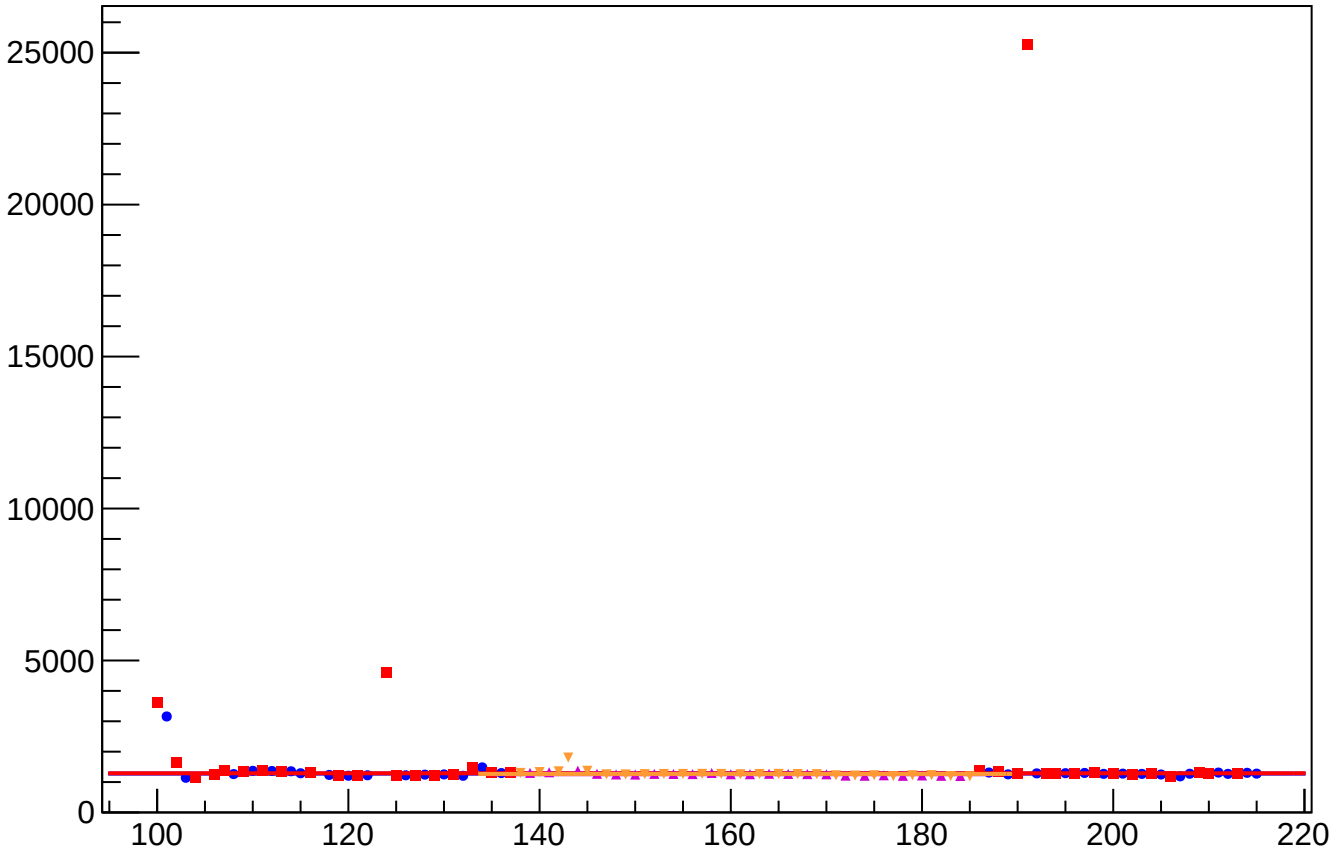
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -245.957+/-209.942 χ^2/NDF: 56.5/64

In: -462.664+/-207.538 χ^2/NDF:38.9/53

Out: 235.437+/-208.181 χ^2/NDF:79.7/58

All: -114.693+/-146.978 χ^2/NDF: 124.2/112



Right In: 1278.671+/-0.207 χ^2/NDF: 530240.2/30

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.153+/-0.212 χ^2/NDF: 482746.6/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

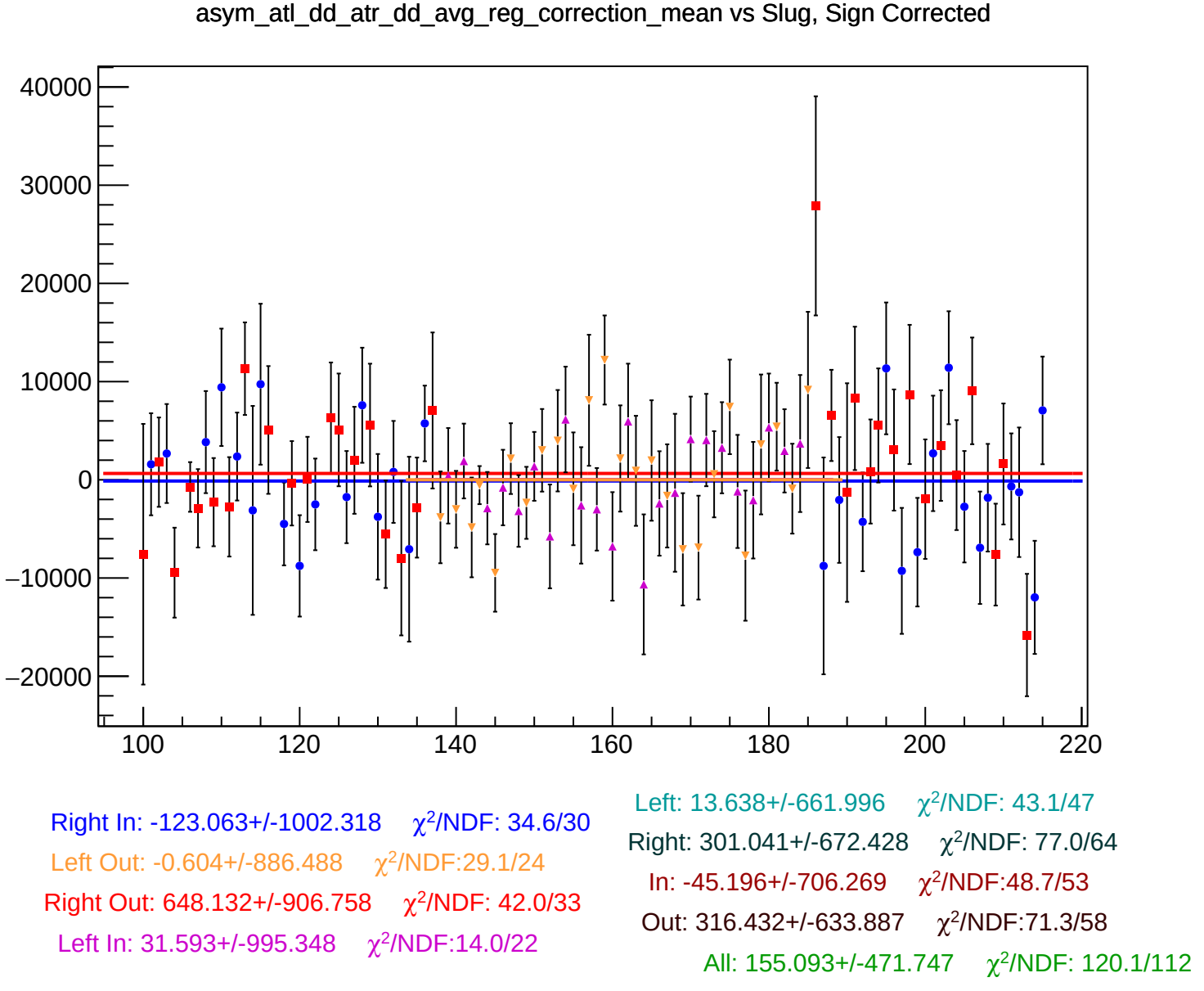
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

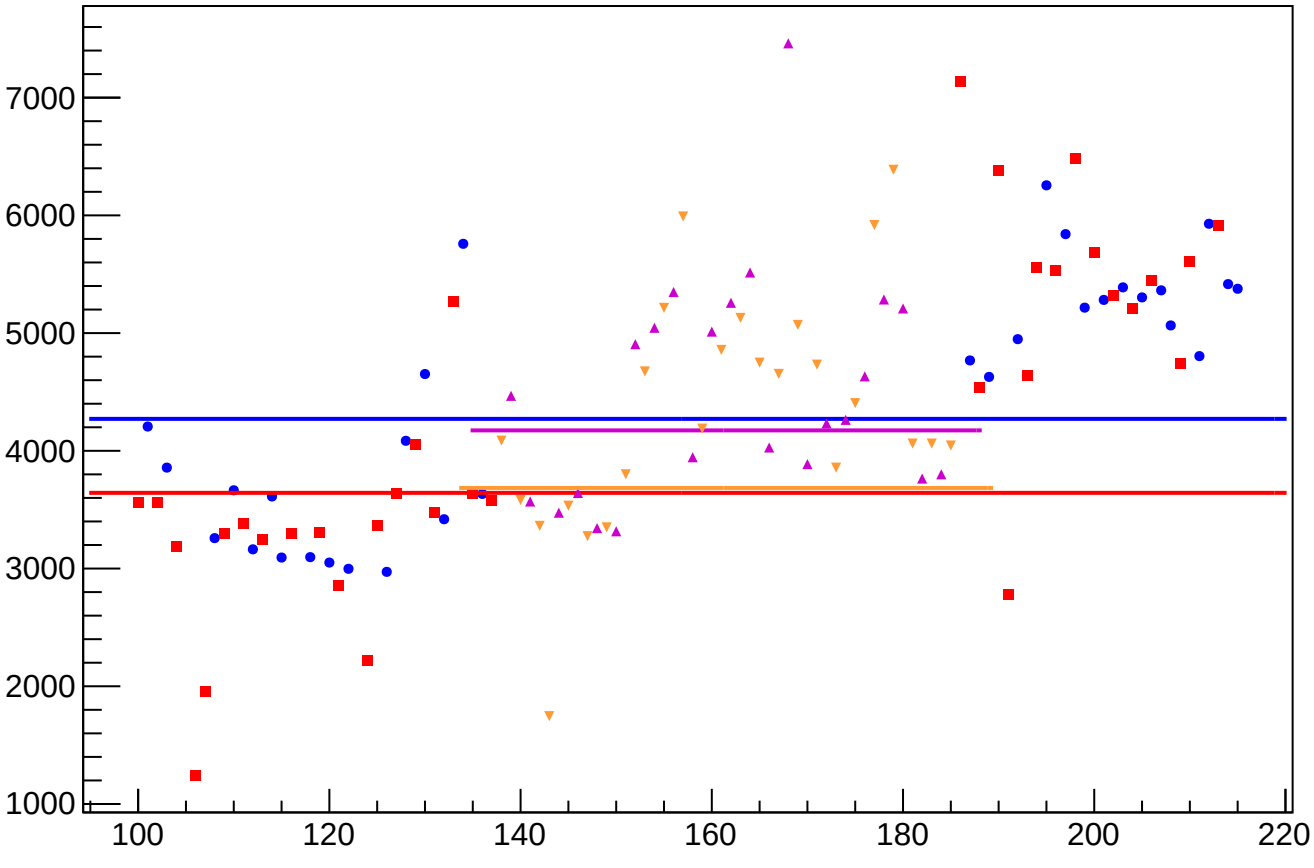
Right: 1283.785+/-0.148 χ^2/NDF: 1014233.7/64

In: 1268.130+/-0.147 χ^2/NDF:572234.4/53

Out: 1277.611+/-0.147 χ^2/NDF:675966.6/58

All: 1272.858+/-0.104 χ^2/NDF: 1250282.6/11


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -123.063+/-1002.318 χ²/NDF: 34.6/30
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 648.132+/-906.758 χ²/NDF: 42.0/33
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 301.041+/-672.428 χ²/NDF: 77.0/64
In: -45.196+/-706.269 χ²/NDF:48.7/53
Out: 316.432+/-633.887 χ²/NDF:71.3/58
All: 155.093+/-471.747 χ²/NDF: 120.1/112



Right In: 4271.434+/-0.709 χ^2/NDF: 2039285.0/30

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3643.091+/-0.641 χ^2/NDF: 5079409.7/33

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

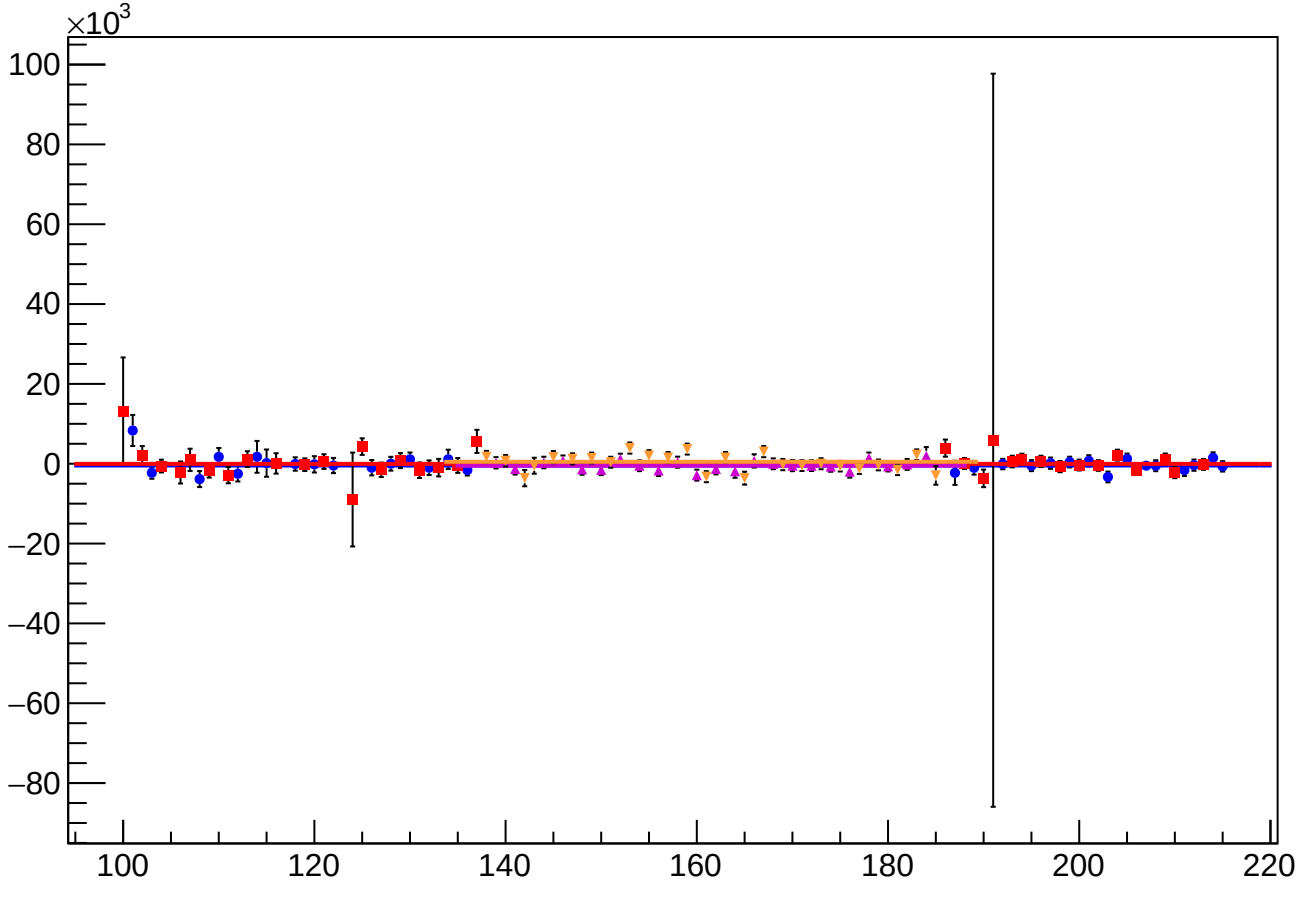
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3925.889+/-0.475 χ^2/NDF: 7550928.8/64

In: 4222.153+/-0.499 χ^2/NDF:3323855.6/53

Out: 3664.401+/-0.448 χ^2/NDF:8775216.7/58

All: 3913.240+/-0.334 χ^2/NDF: 12789896.3/1



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -32.367+/-300.785 χ^2/NDF: 31.6/33

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

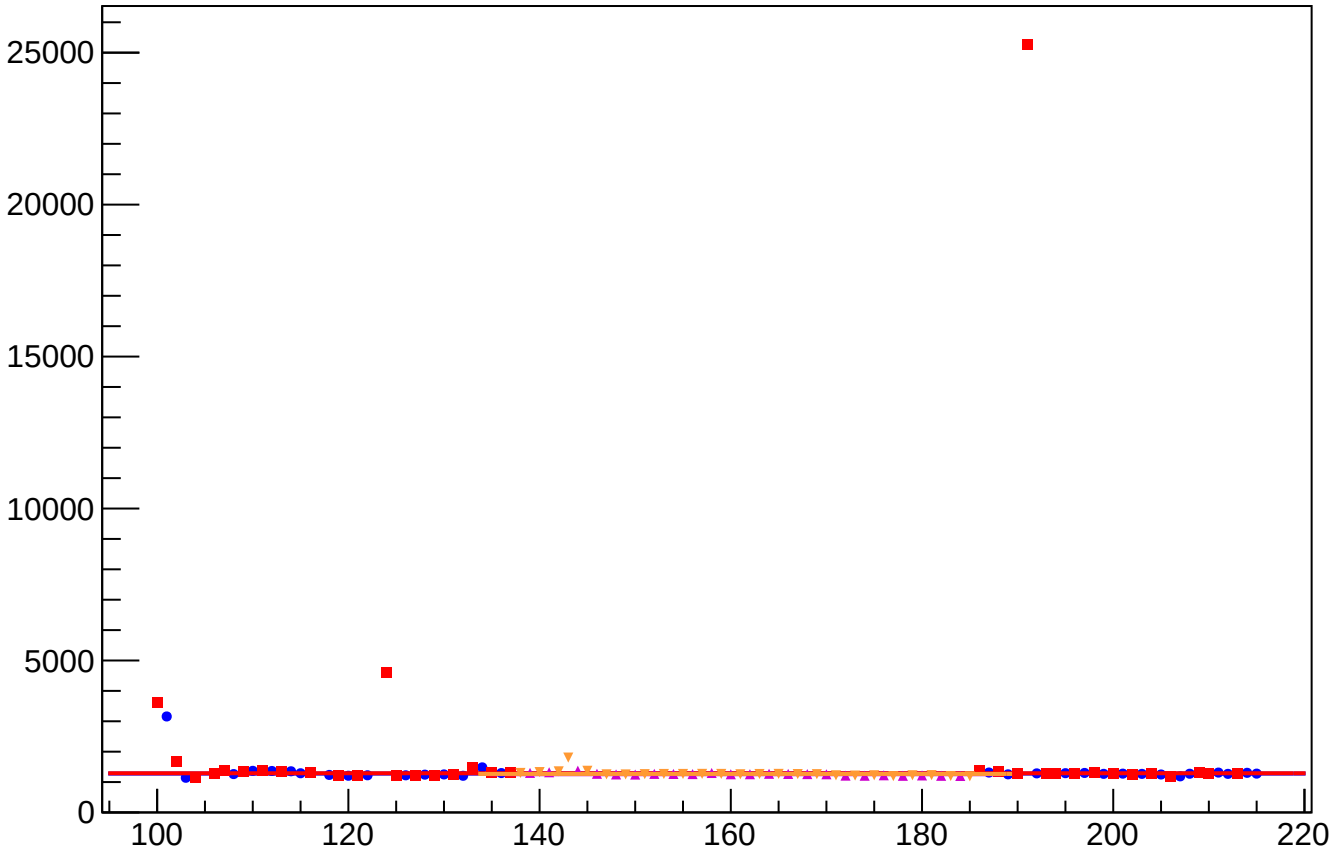
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -240.700+/-209.968 χ^2/NDF: 57.0/64

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -112.072+/-146.987 χ^2/NDF: 124.7/112



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

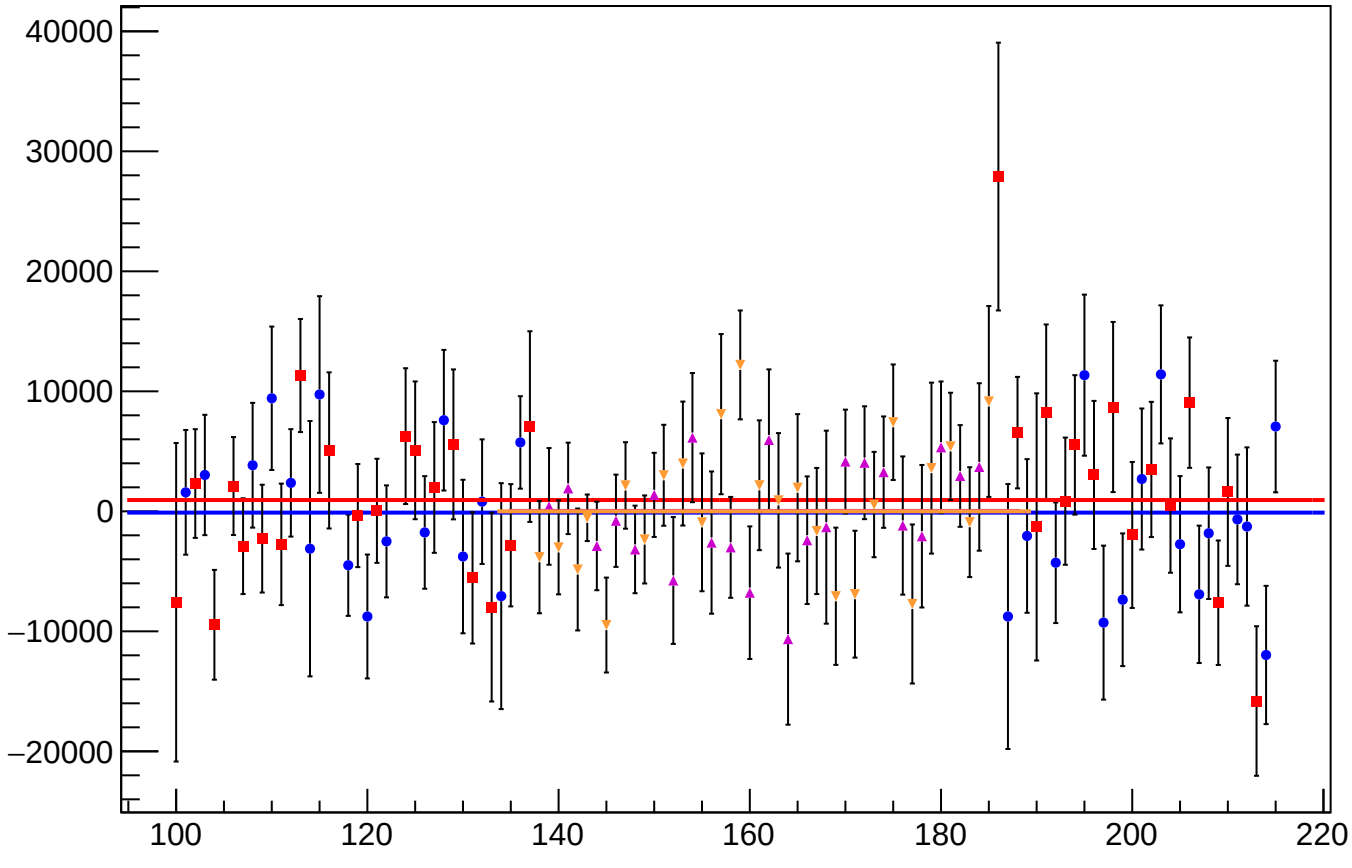
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1284.154+/-0.148 χ^2/NDF: 1021299.4/64

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1273.036+/-0.104 χ^2/NDF: 1257714.3/11



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

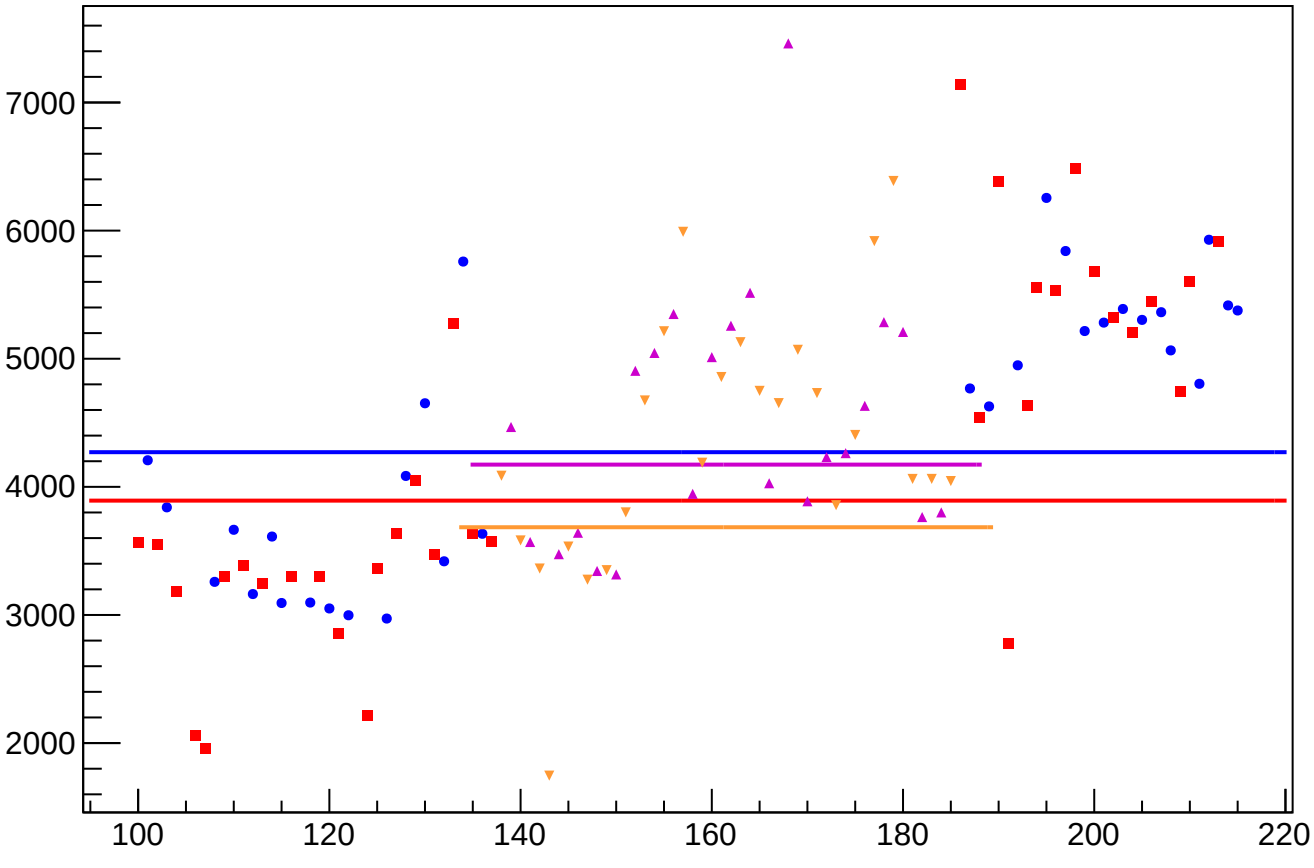
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

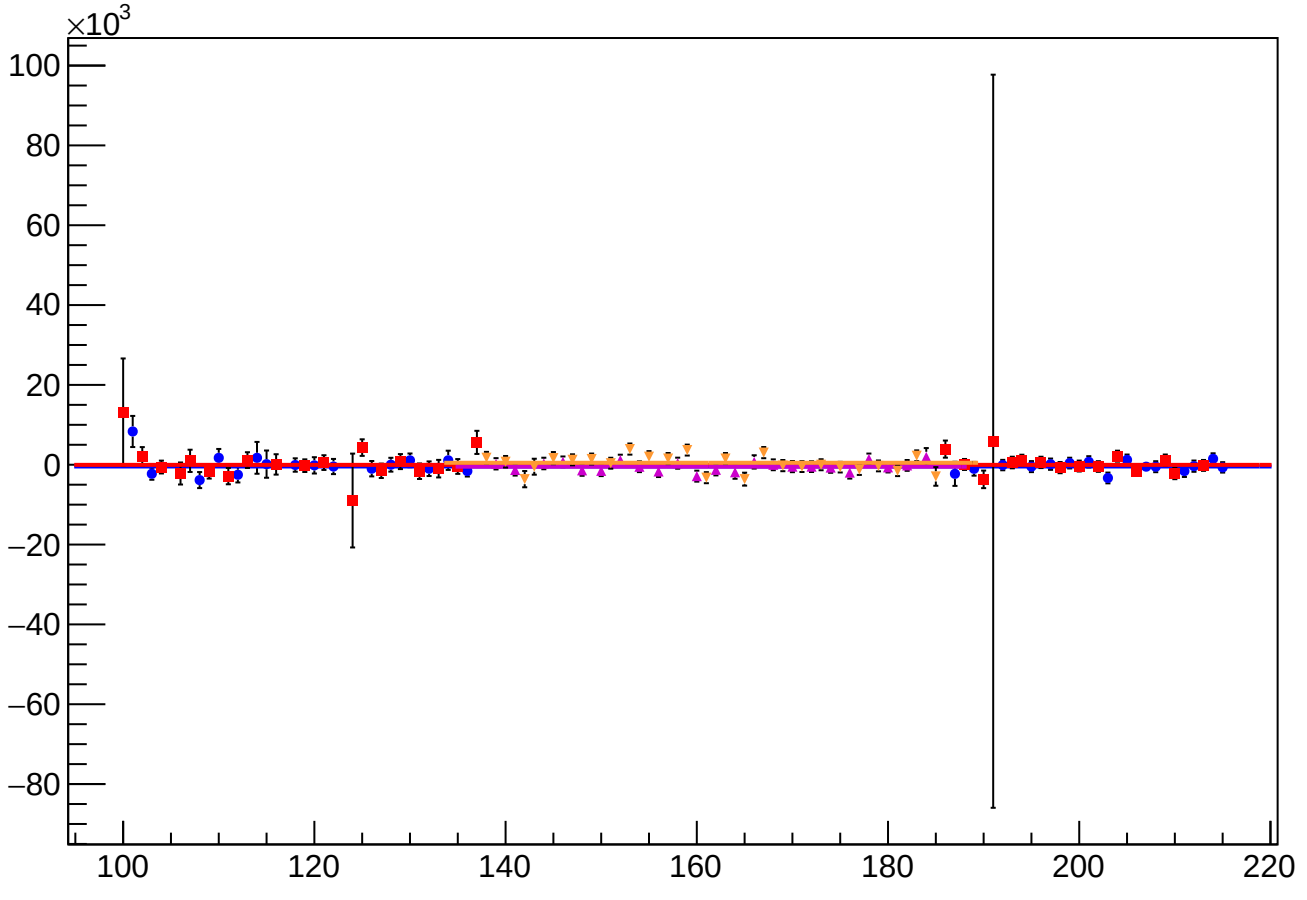
Right: 447.028+/-687.402 χ^2/NDF: 77.1/64

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 222.195+/-476.830 χ^2/NDF: 120.4/112


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4270.610+/-0.709 χ²/NDF: 2040584.0/30
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3892.503+/-0.668 χ²/NDF: 3438125.0/33
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 4070.411+/-0.486 χ²/NDF: 5629462.5/64
In: 4221.751+/-0.499 χ²/NDF:3324995.9/53
Out: 3782.036+/-0.457 χ²/NDF:7183241.0/58
All: 3982.504+/-0.337 χ²/NDF: 10930120.4/1



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -32.367+/-300.785 χ^2/NDF: 31.6/33

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

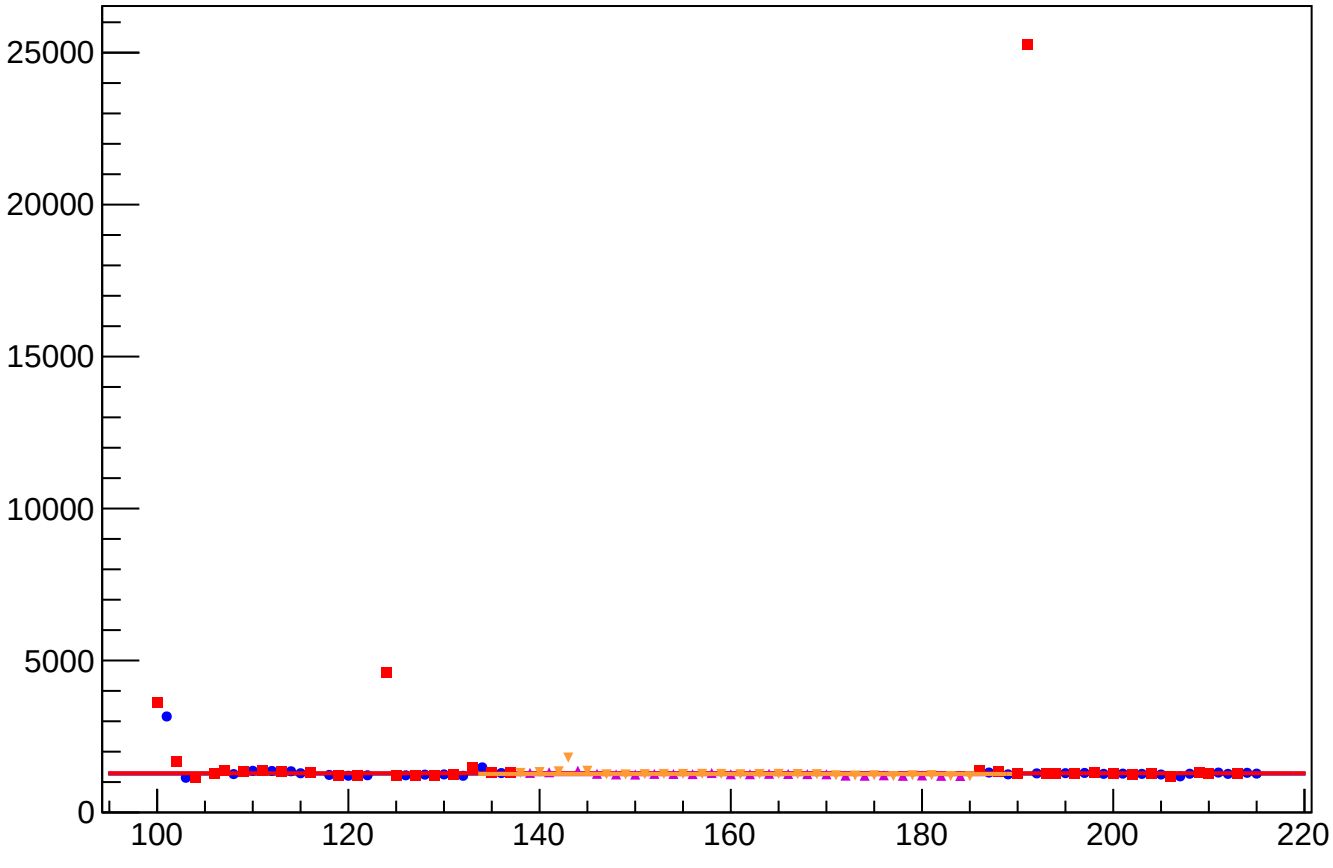
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -240.700+/-209.968 χ^2/NDF: 57.0/64

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -112.072+/-146.987 χ^2/NDF: 124.7/112



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

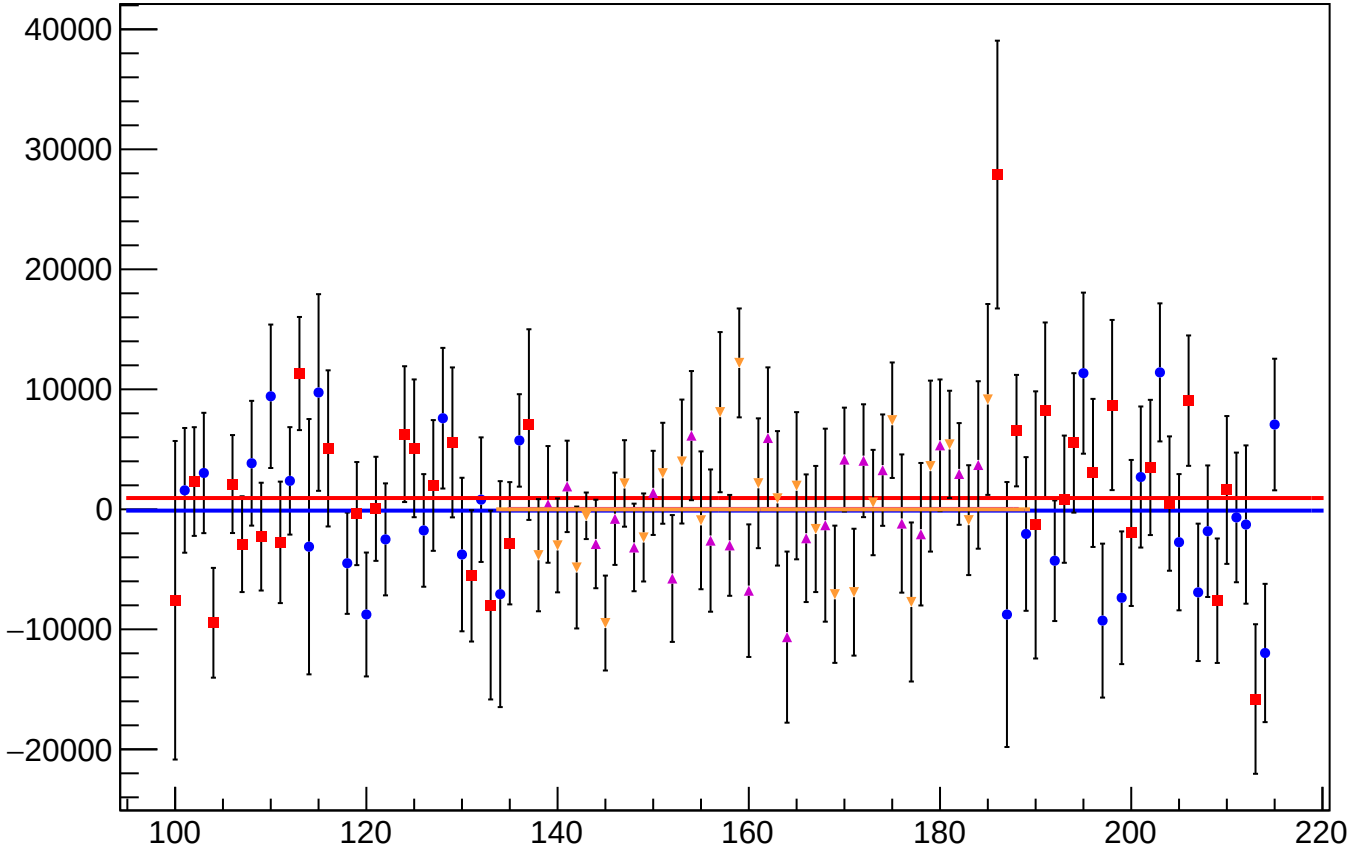
Right: 1284.154+/-0.148 χ^2/NDF: 1021299.4/64

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1273.036+/-0.104 χ^2/NDF: 1257714.3/11

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

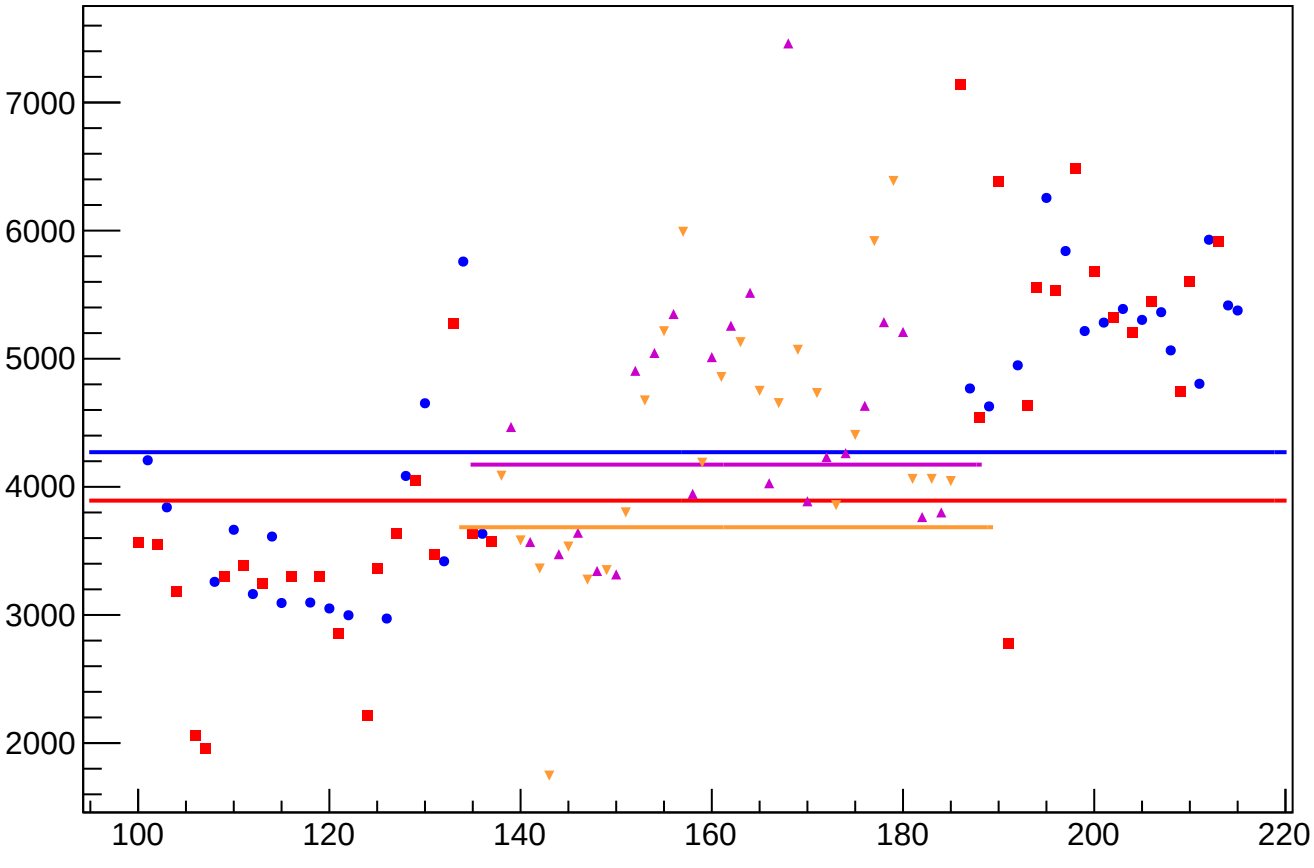
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 447.028+/-687.402 χ^2/NDF: 77.1/64

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 222.195+/-476.830 χ^2/NDF: 120.4/112



Right In: 4270.610+/-0.709 χ^2/NDF: 2040584.0/30

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3892.503+/-0.668 χ^2/NDF: 3438125.0/33

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

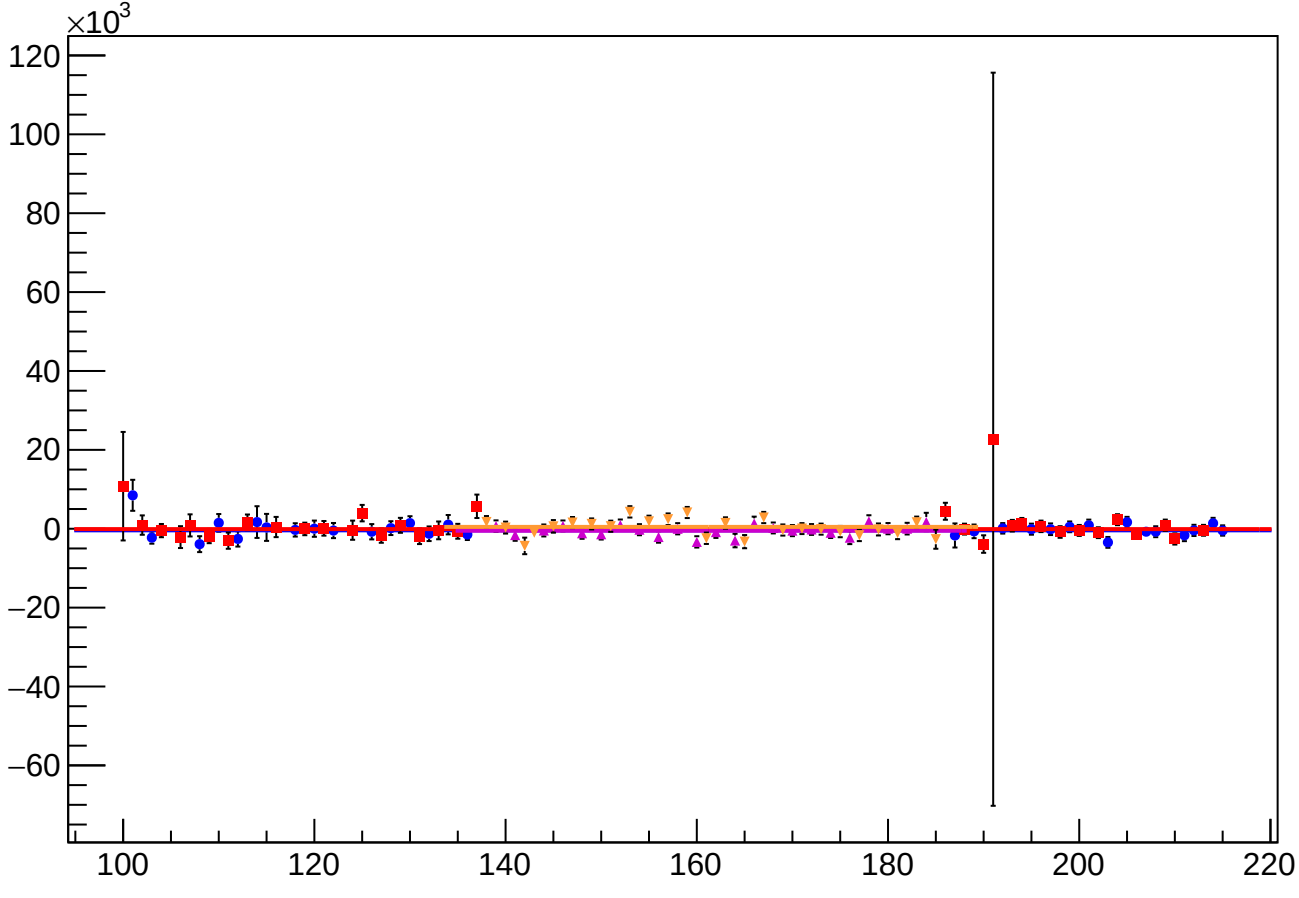
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4070.411+/-0.486 χ^2/NDF: 5629462.5/64

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3982.504+/-0.337 χ^2/NDF: 10930120.4/1



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -94.184+/-303.071 χ^2/NDF: 32.7/33

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

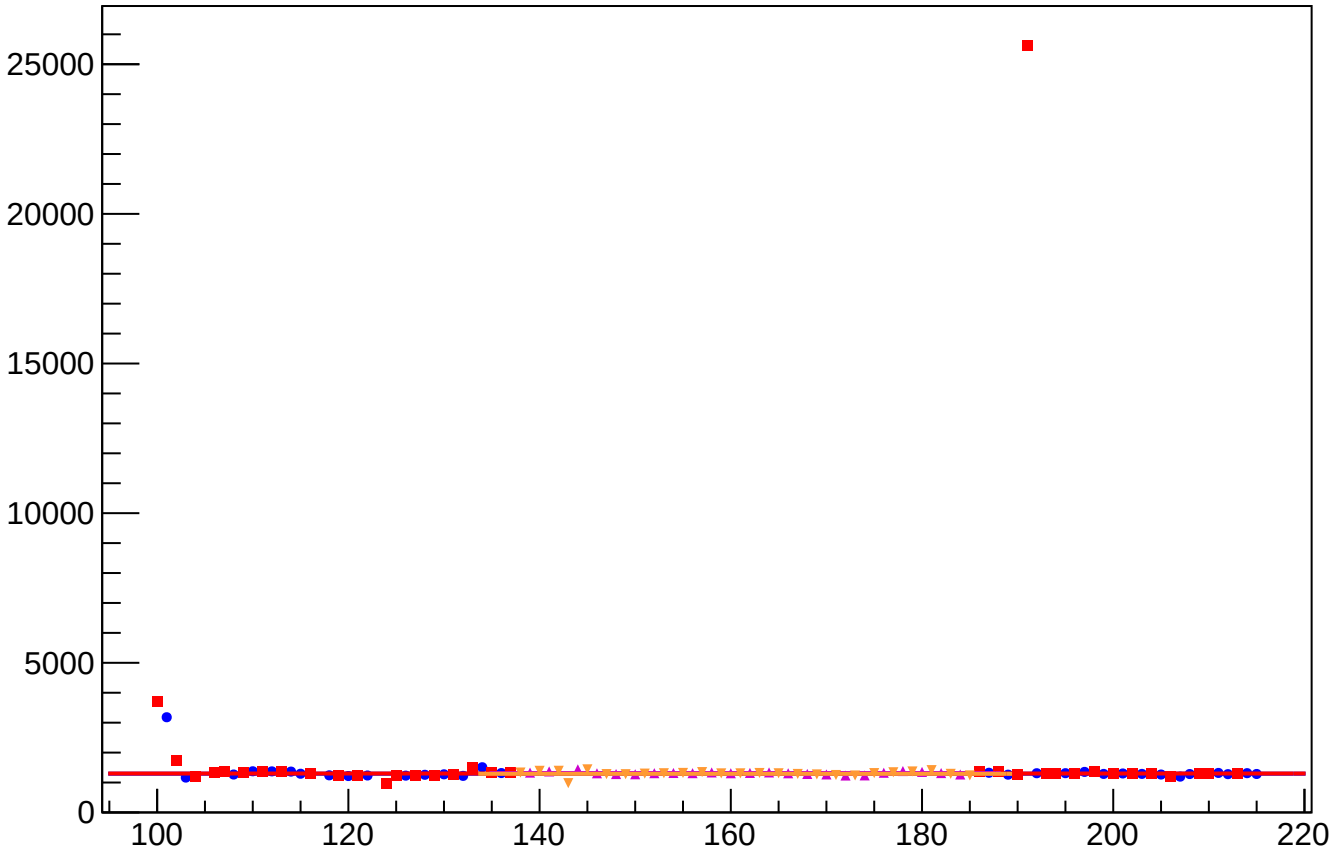
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -251.929+/-212.111 χ^2/NDF: 58.9/64

In: -451.795+/-213.463 χ^2/NDF:43.1/53

Out: 195.165+/-211.118 χ^2/NDF:78.6/58

All: -124.742+/-150.105 χ^2/NDF: 126.4/112



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.2/30

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.970+/-0.214 χ^2/NDF: 378349.9/33

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

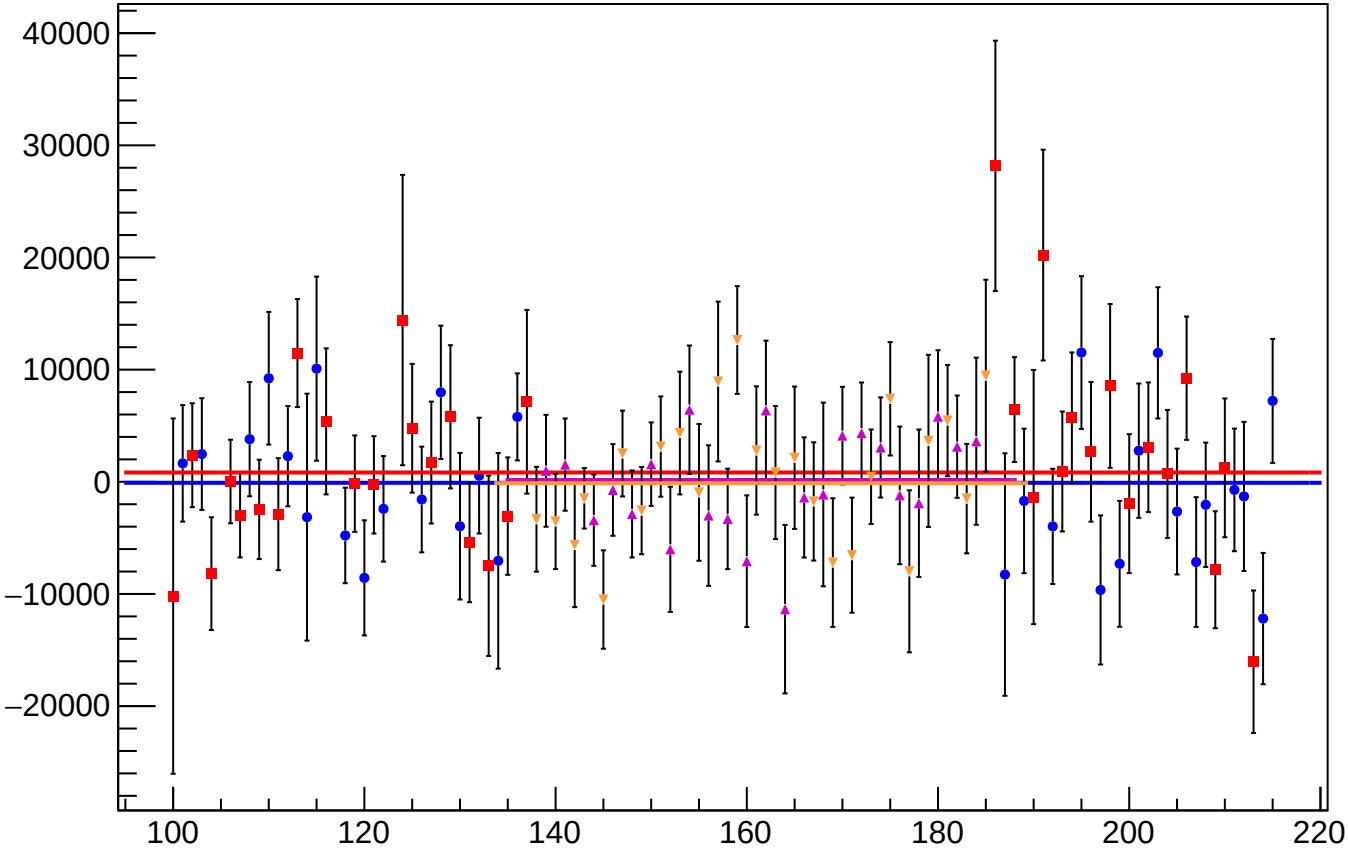
Right: 1297.822+/-0.150 χ^2/NDF: 908982.5/64

In: 1304.080+/-0.151 χ^2/NDF:577298.1/53

Out: 1295.948+/-0.149 χ^2/NDF:610152.9/58

All: 1299.969+/-0.106 χ^2/NDF: 1188918.8/11

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -89.752+/-1008.403 χ^2/NDF: 34.5/30

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 828.107+/-960.639 χ^2/NDF: 43.4/33

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

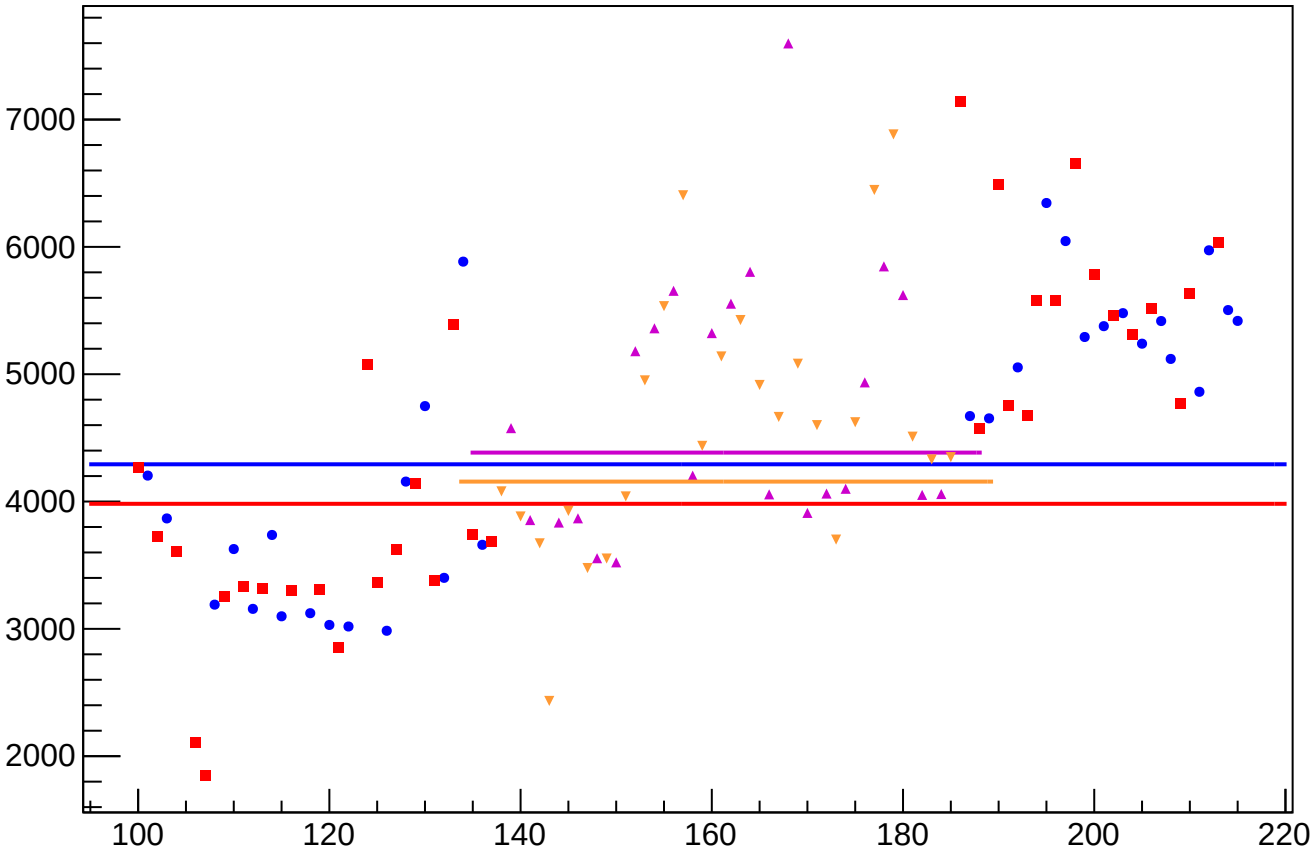
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 391.430+/-695.547 χ^2/NDF: 78.4/64

In: 30.350+/-725.812 χ^2/NDF:48.4/53

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 203.945+/-498.197 χ^2/NDF: 120.9/112



Right In: 4292.473+/-0.713 χ^2/NDF: 2142067.4/30

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3982.098+/-0.679 χ^2/NDF: 3484602.3/33

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

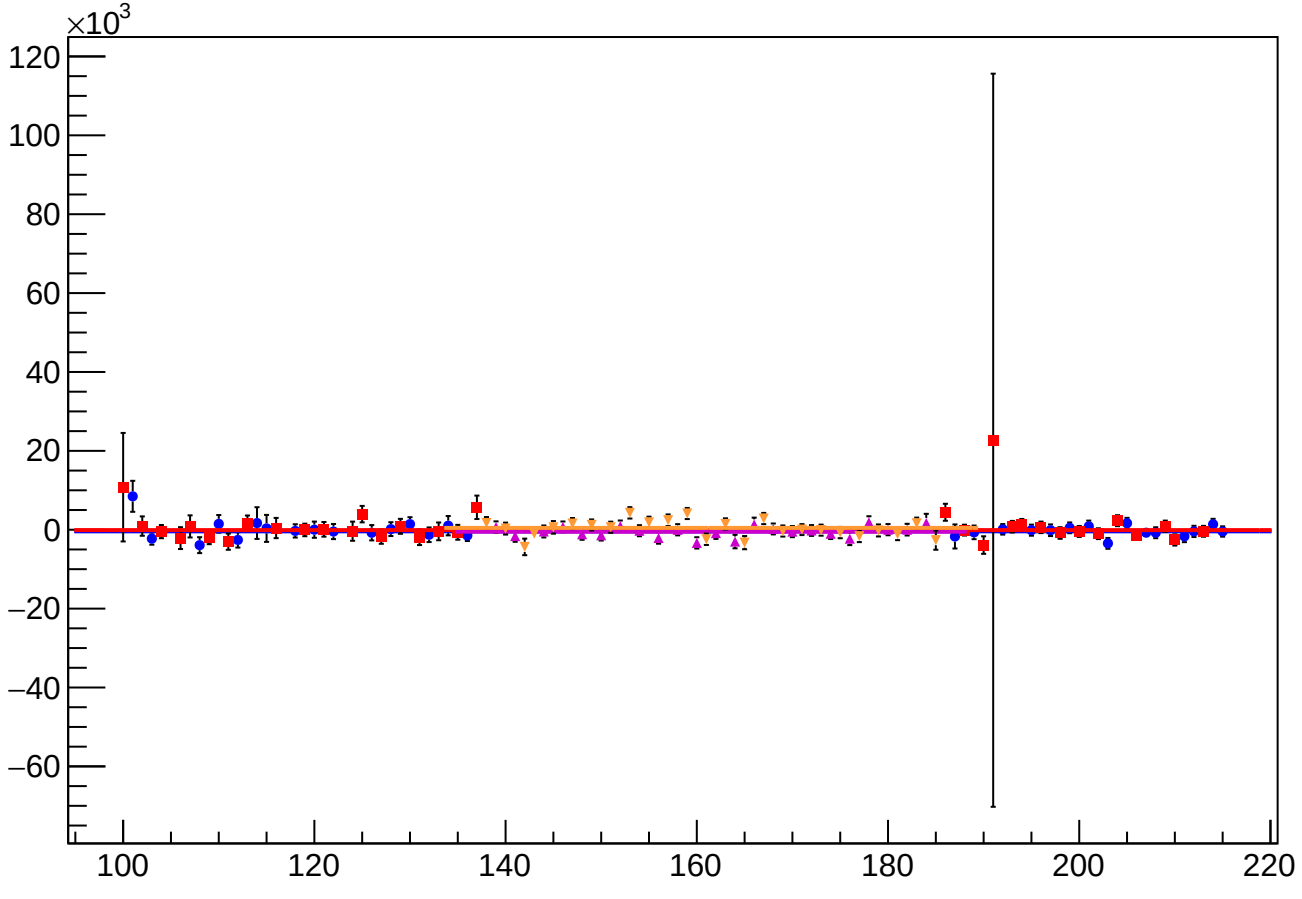
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4129.761+/-0.492 χ^2/NDF: 5725996.7/64

In: 4336.739+/-0.513 χ^2/NDF:3405534.8/53

Out: 4067.846+/-0.484 χ^2/NDF:5597793.9/58

All: 4194.533+/-0.352 χ^2/NDF: 9148499.1/11



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -94.185+/-303.071 χ^2/NDF: 32.7/33

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

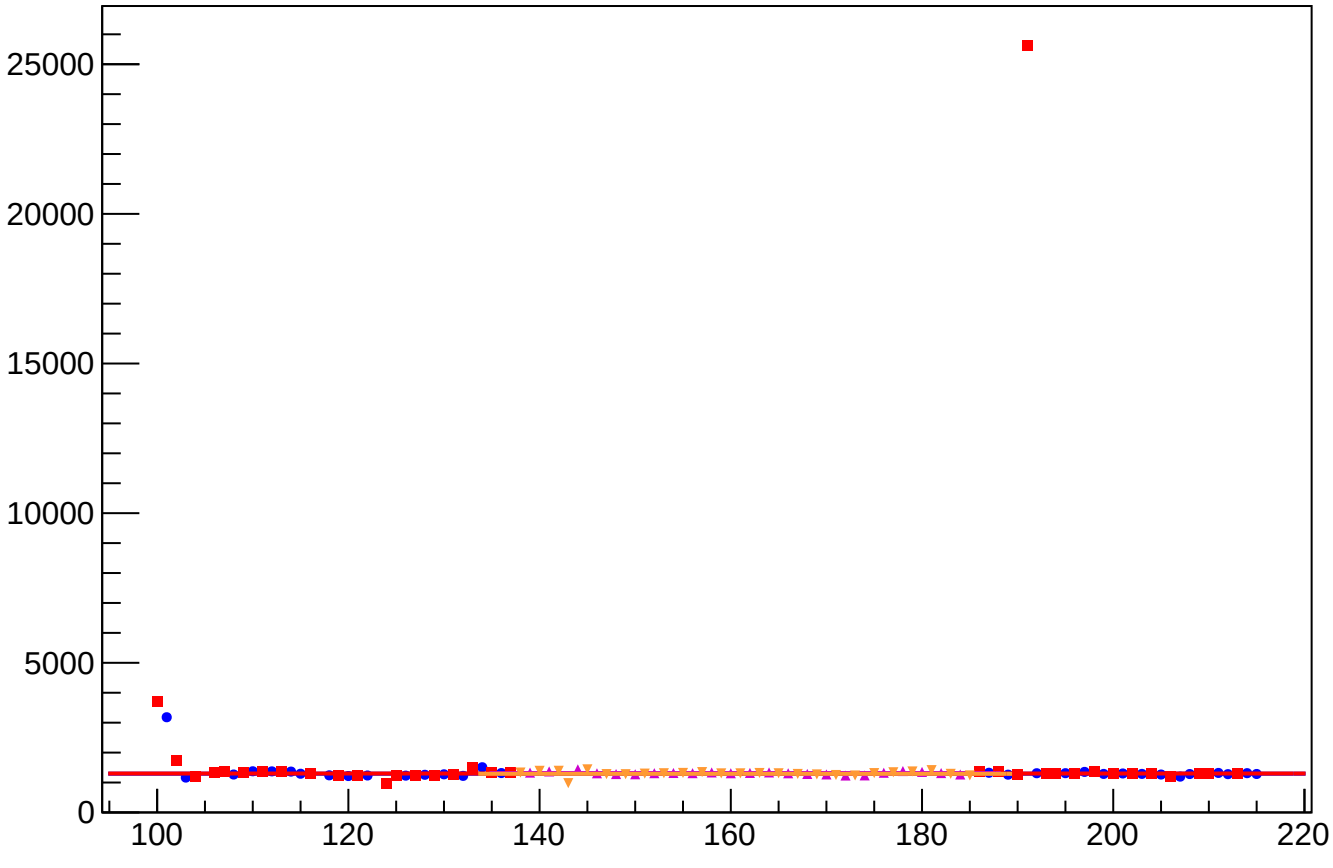
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -251.929+/-212.111 χ^2/NDF: 58.9/64

In: -451.794+/-213.463 χ^2/NDF:43.1/53

Out: 195.166+/-211.118 χ^2/NDF:78.6/58

All: -124.742+/-150.105 χ^2/NDF: 126.4/112



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.3/30

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.970+/-0.214 χ^2/NDF: 378350.0/33

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

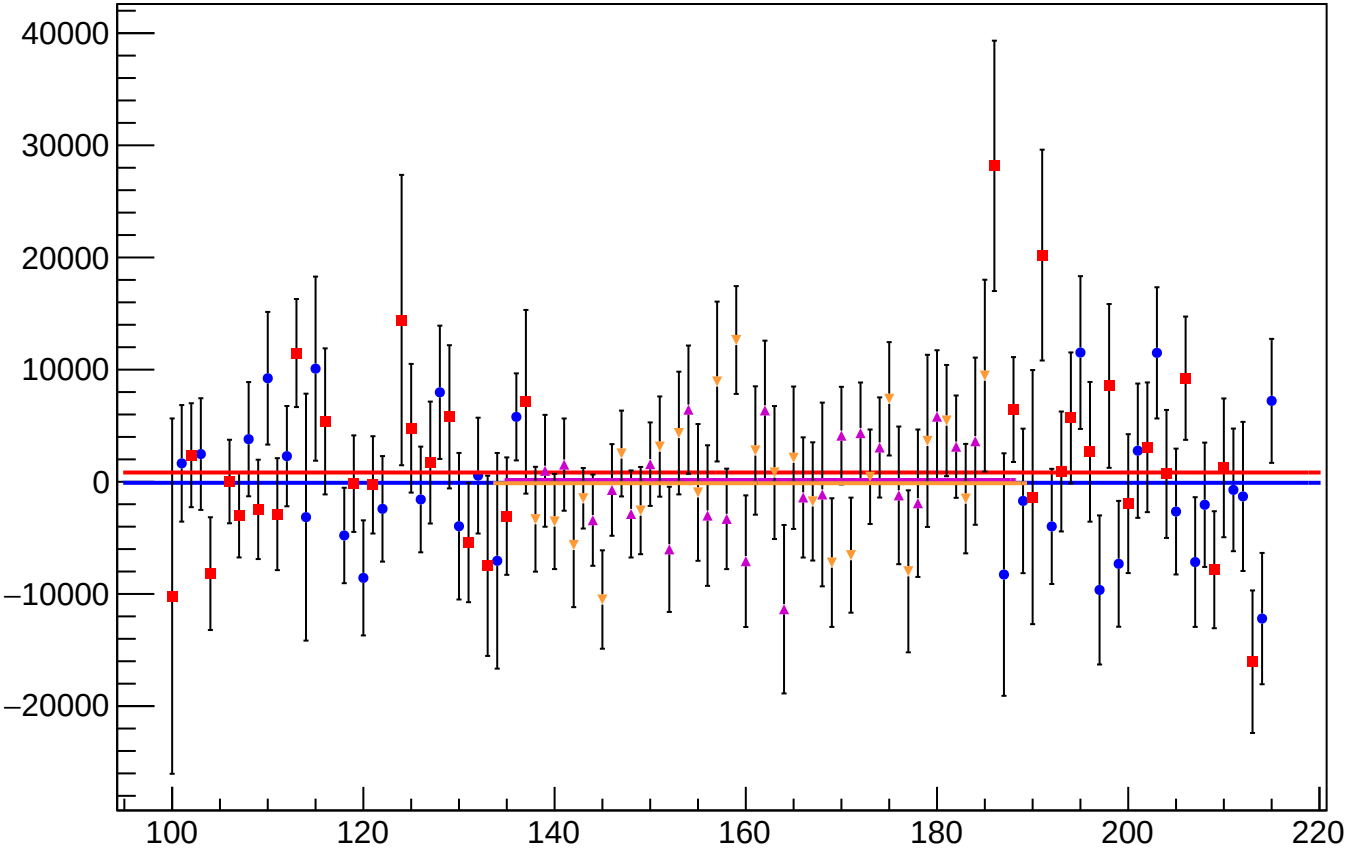
Right: 1297.822+/-0.150 χ^2/NDF: 908982.8/64

In: 1304.081+/-0.151 χ^2/NDF:577300.9/53

Out: 1295.949+/-0.149 χ^2/NDF:610155.3/58

All: 1299.969+/-0.106 χ^2/NDF: 1188923.9/11

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -89.755+/-1008.402 χ^2/NDF: 34.5/30

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 828.101+/-960.638 χ^2/NDF: 43.4/33

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

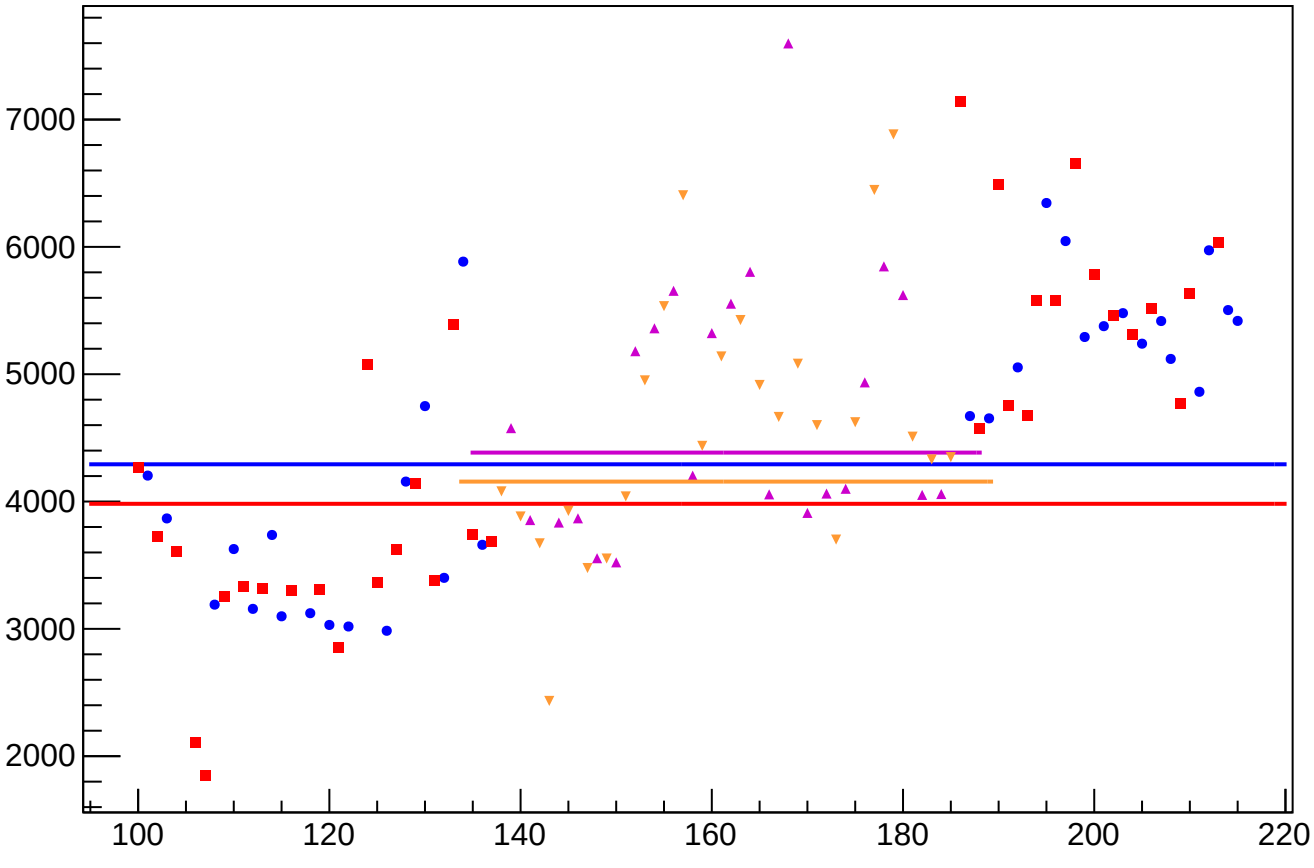
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 391.425+/-695.547 χ^2/NDF: 78.4/64

In: 30.348+/-725.813 χ^2/NDF:48.4/53

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 203.944+/-498.197 χ^2/NDF: 120.9/112



Right In: 4292.468+/-0.713 χ^2/NDF: 2142105.7/30

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3982.092+/-0.679 χ^2/NDF: 3484636.6/33

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

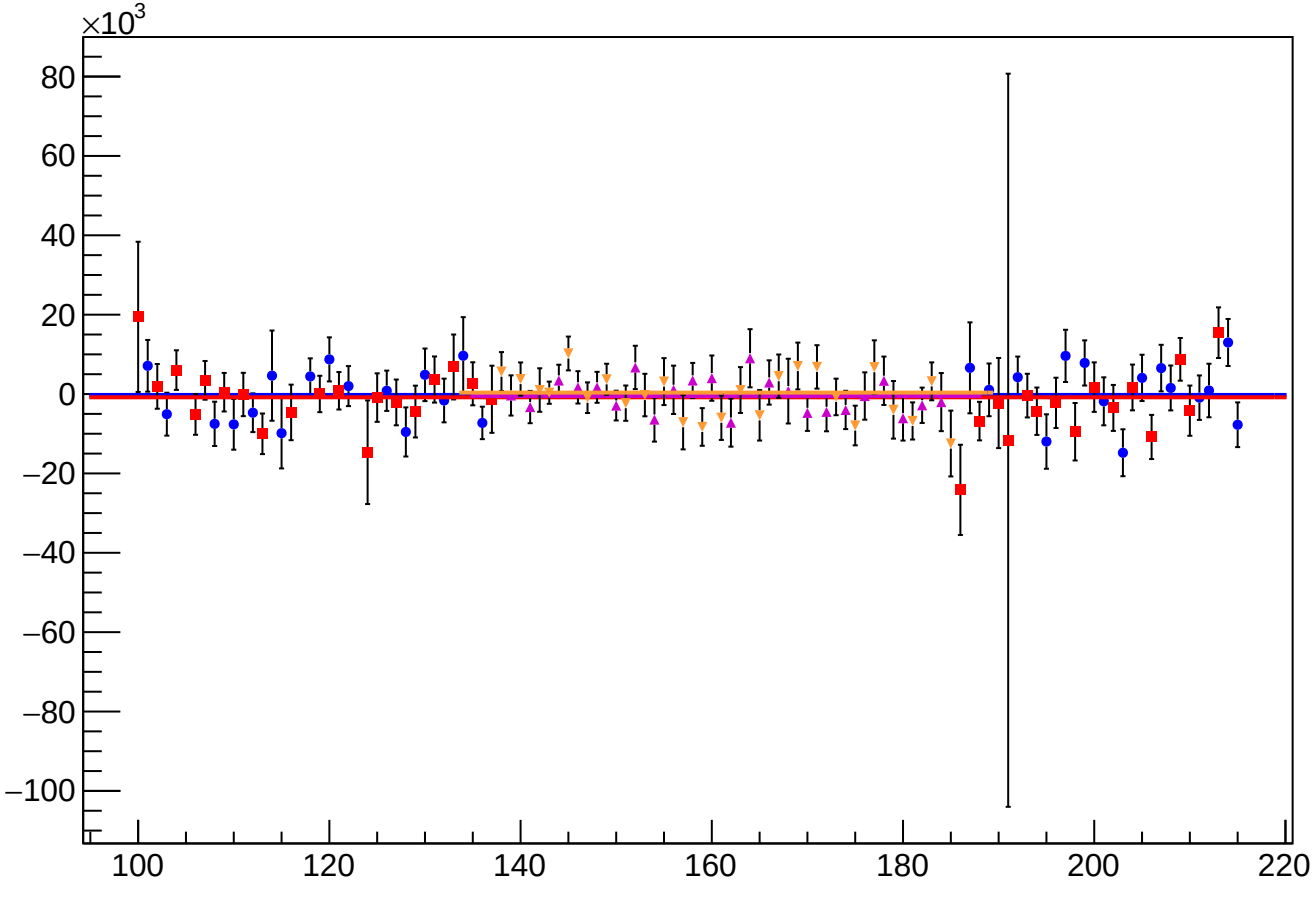
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4129.756+/-0.492 χ^2/NDF: 5726070.3/64

In: 4336.740+/-0.513 χ^2/NDF:3405579.4/53

Out: 4067.846+/-0.484 χ^2/NDF:5597835.7/58

All: 4194.533+/-0.352 χ^2/NDF: 9148586.2/11



Right In: -220.989+/-1060.049 χ^2/NDF: 41.4/30

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -822.015+/-1039.558 χ^2/NDF: 33.2/33

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

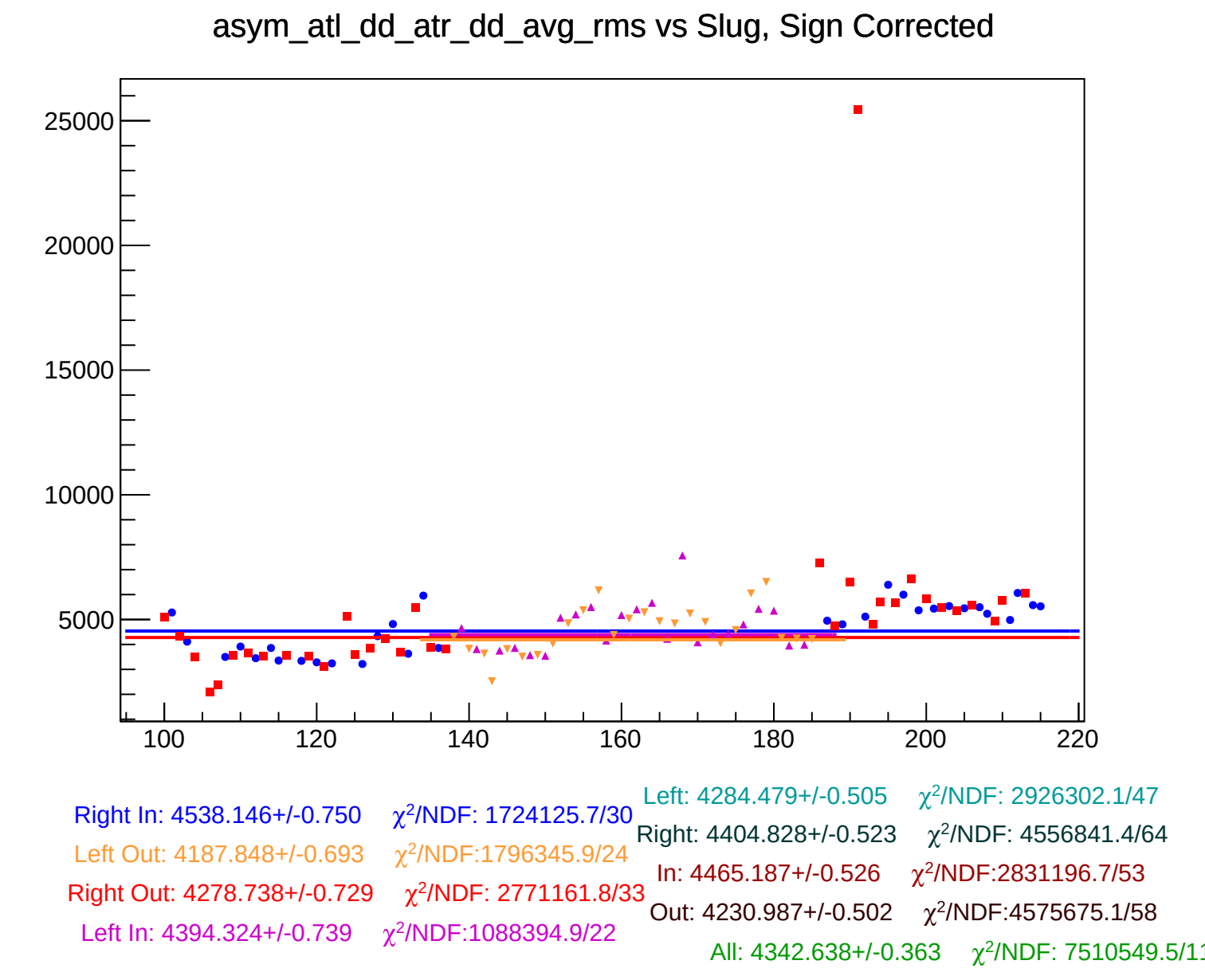
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -527.367+/-742.217 χ^2/NDF: 74.7/64

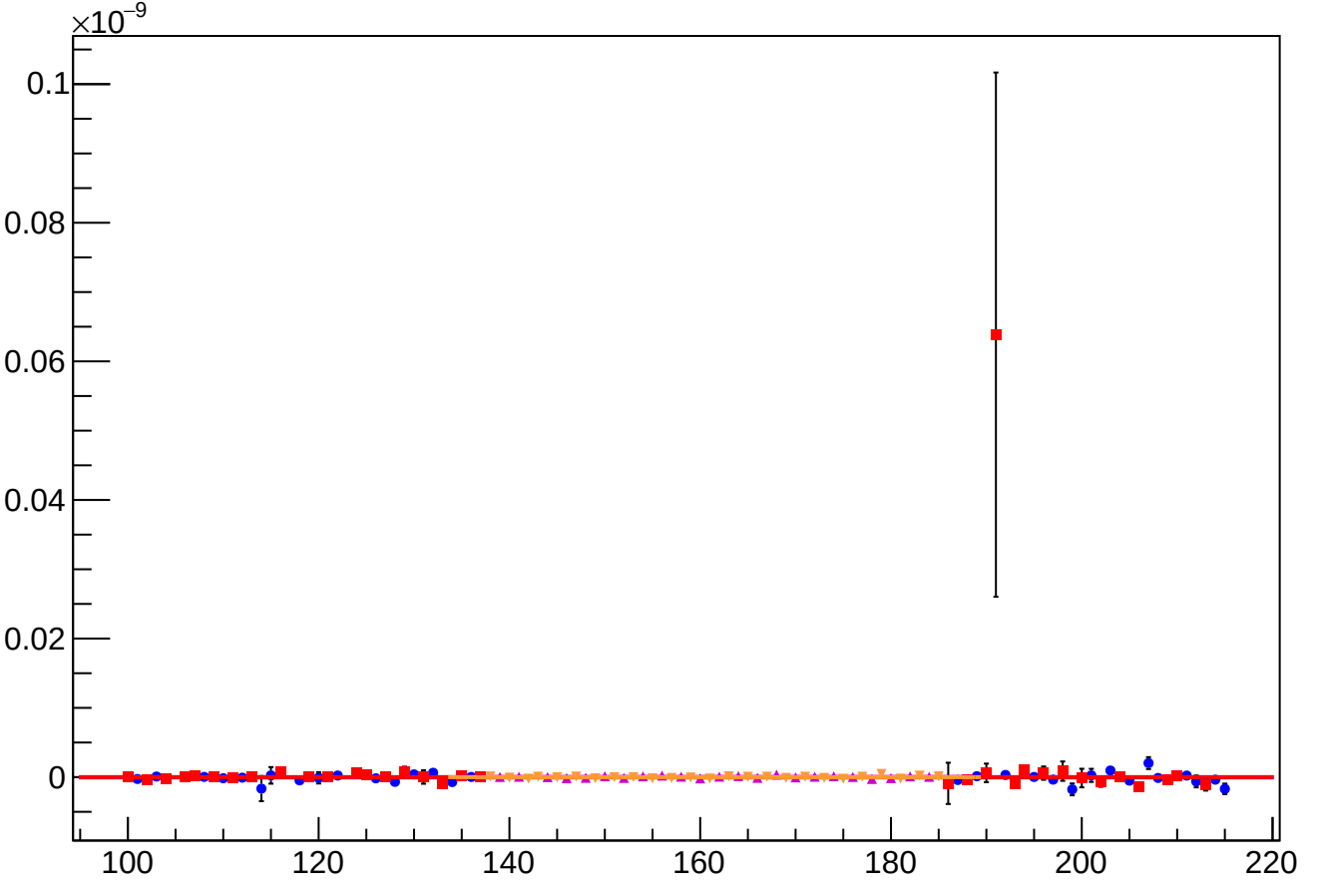
In: -361.271+/-744.084 χ^2/NDF:55.3/53

Out: -194.756+/-713.037 χ^2/NDF:61.6/58

All: -274.467+/-514.819 χ^2/NDF: 116.9/112


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: 4538.146+/-0.750 χ²/NDF: 1724125.7/30
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4278.738+/-0.729 χ²/NDF: 2771161.8/33
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4404.828+/-0.523 χ²/NDF: 4556841.4/64
In: 4465.187+/-0.526 χ²/NDF:2831196.7/53
Out: 4230.987+/-0.502 χ²/NDF:4575675.1/58
All: 4342.638+/-0.363 χ²/NDF: 7510549.5/11

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/33

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

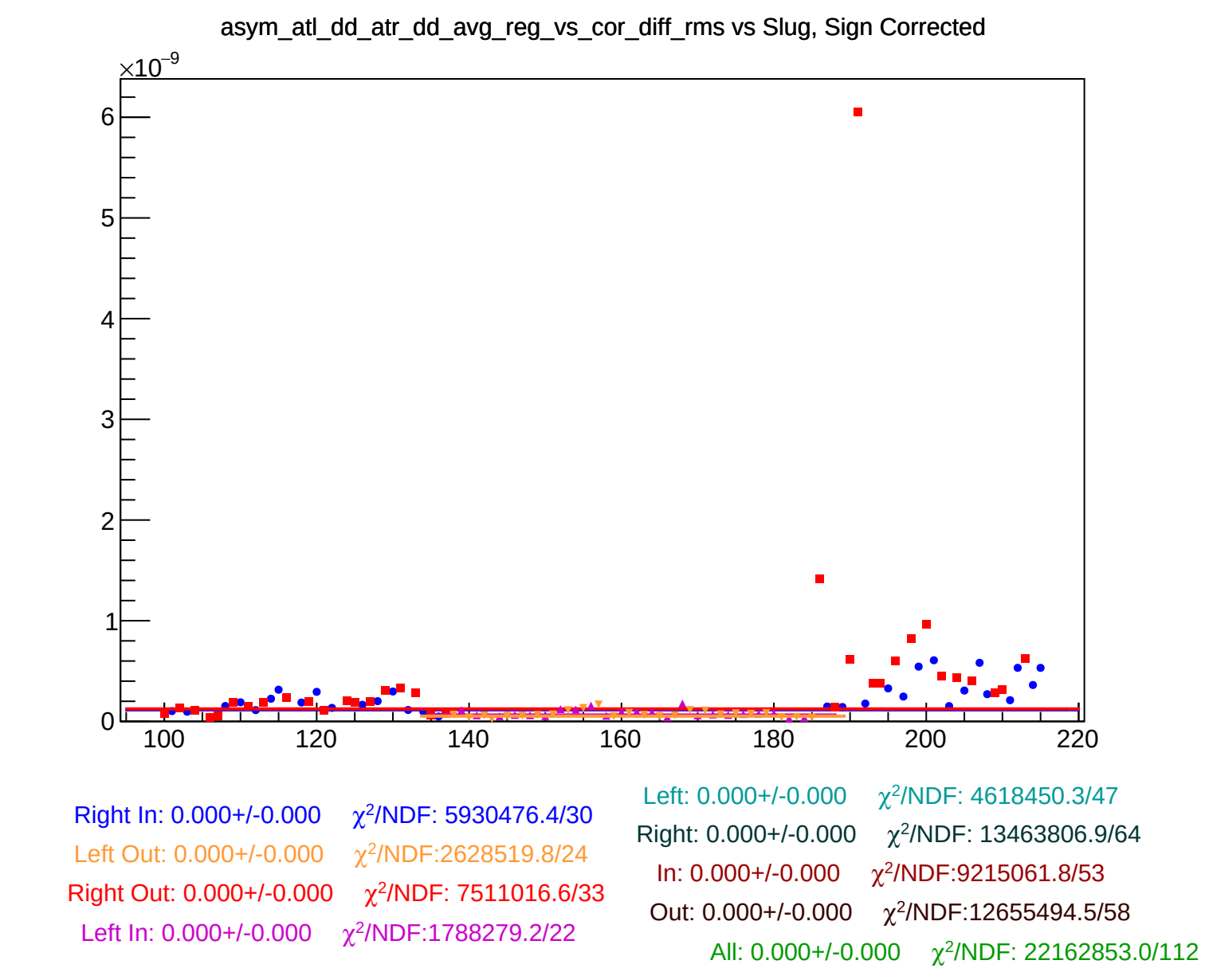
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 76.0/64

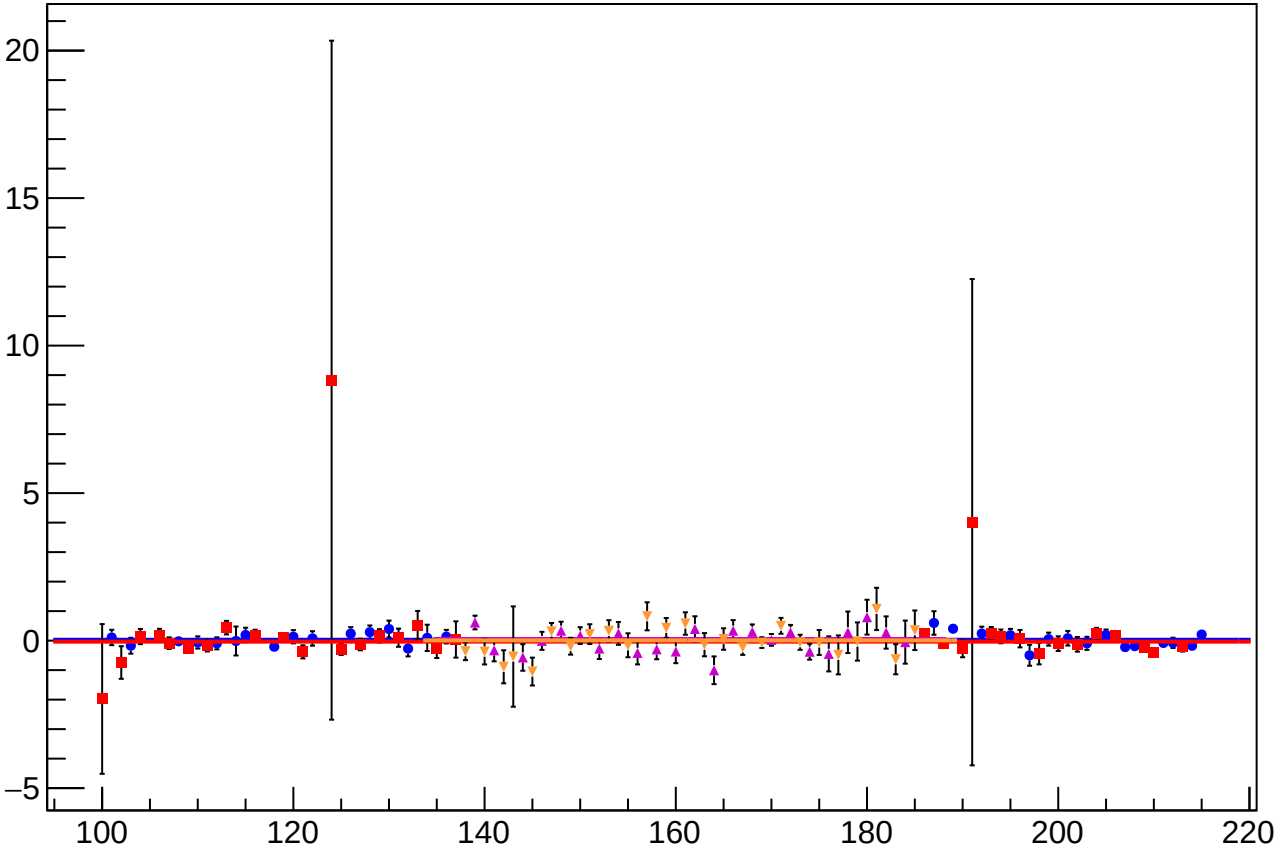
In: 0.000+/-0.000 χ^2/NDF:58.2/53

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: 0.000+/-0.000 χ^2/NDF: 124.2/112


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5930476.4/30
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 7511016.6/33
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 13463806.9/64
In: 0.000+/-0.000 χ²/NDF:9215061.8/53
Out: 0.000+/-0.000 χ²/NDF:12655494.5/58
All: 0.000+/-0.000 χ²/NDF: 22162853.0/112

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

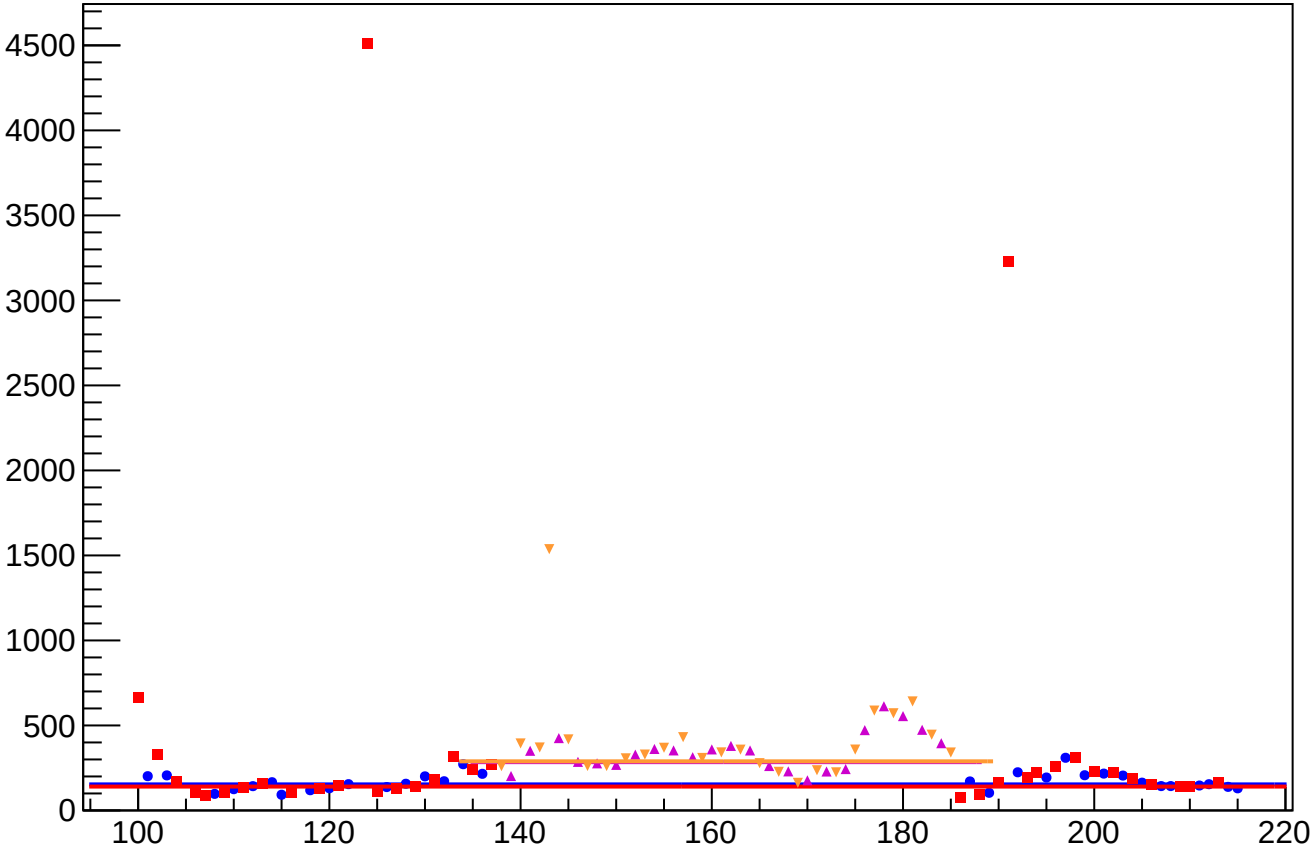
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

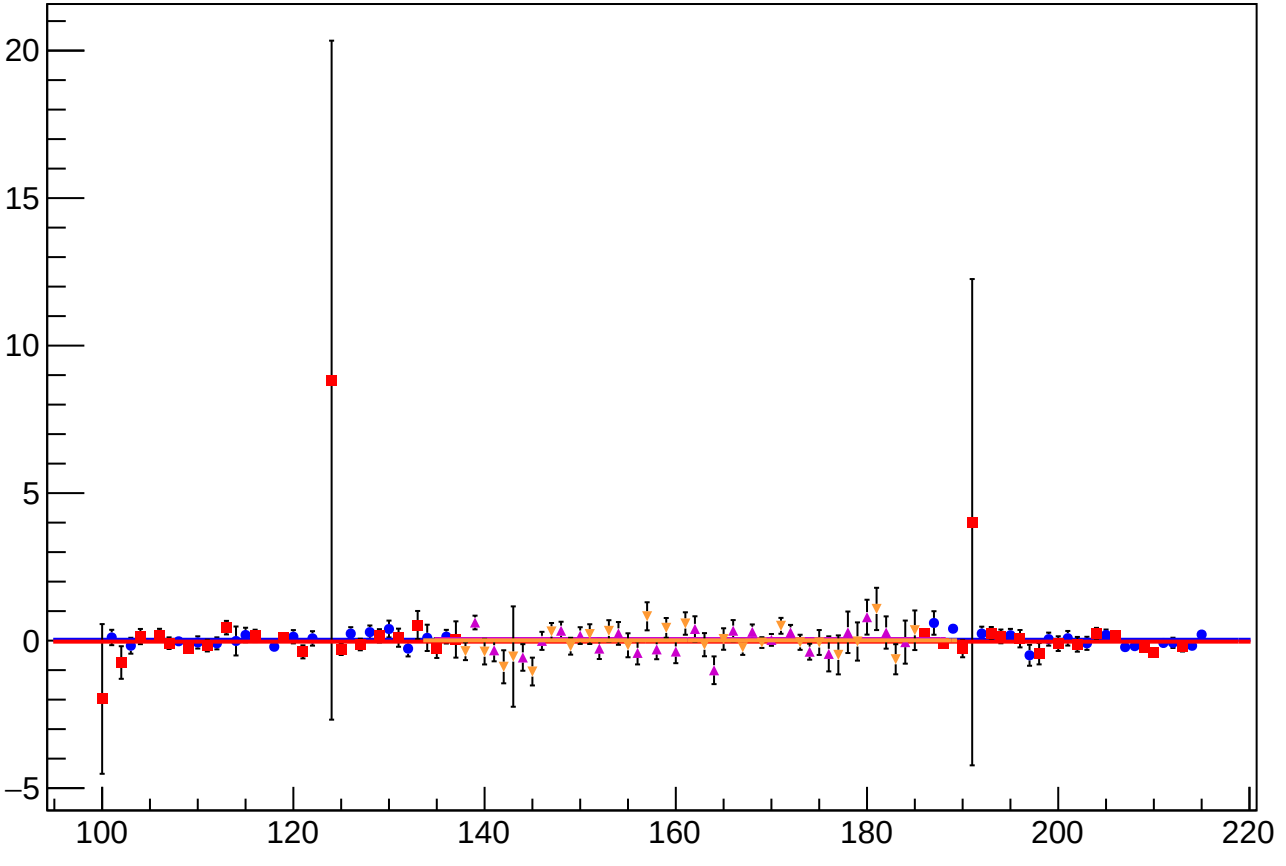
Right: 146.706+/-0.018 χ^2/NDF: 7194374.3/64

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 175.841+/-0.016 χ^2/NDF: 27305470.3/12

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

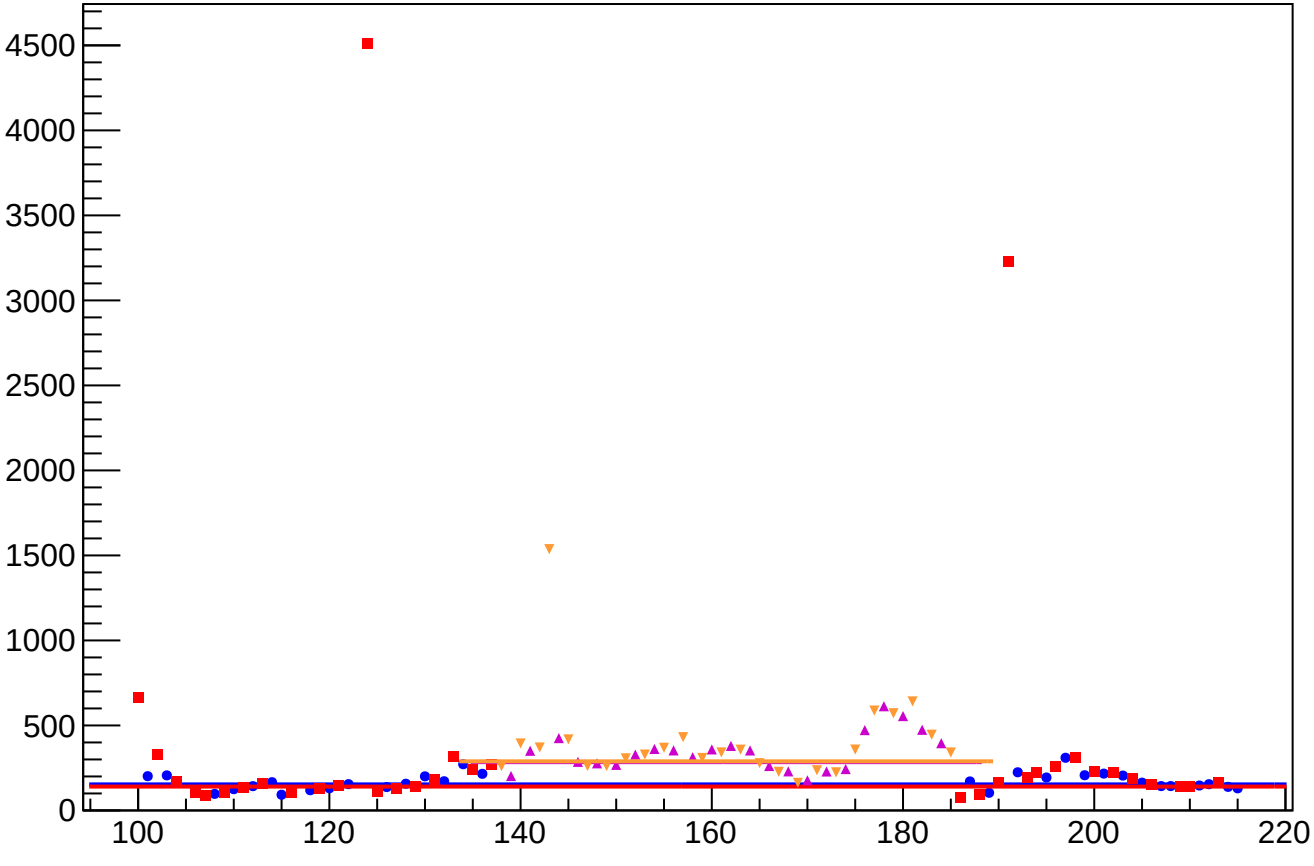
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

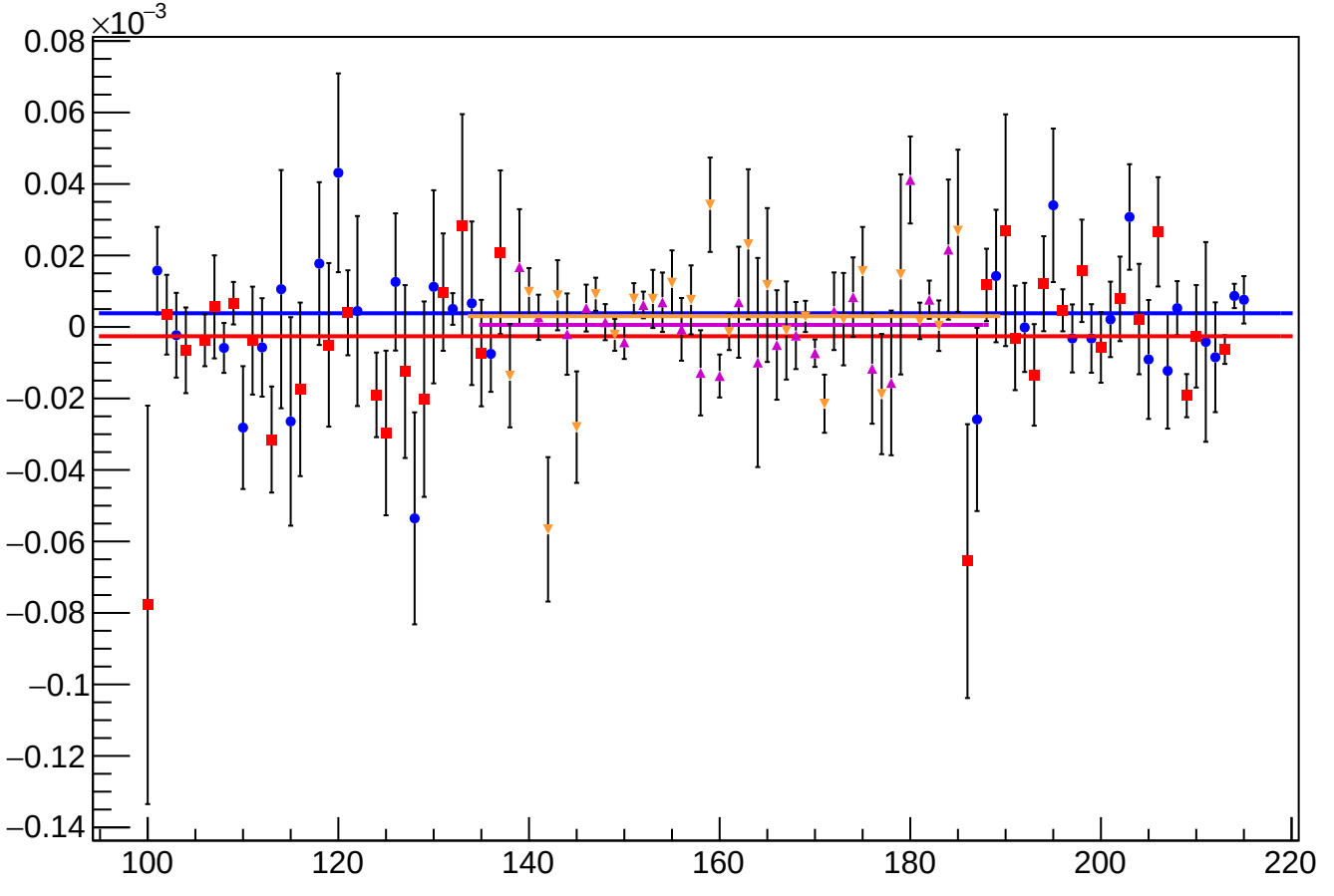
Right: 146.706+/-0.018 χ^2/NDF: 7194374.3/64

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 175.841+/-0.016 χ^2/NDF: 27305470.3/1

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: 28.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/33

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

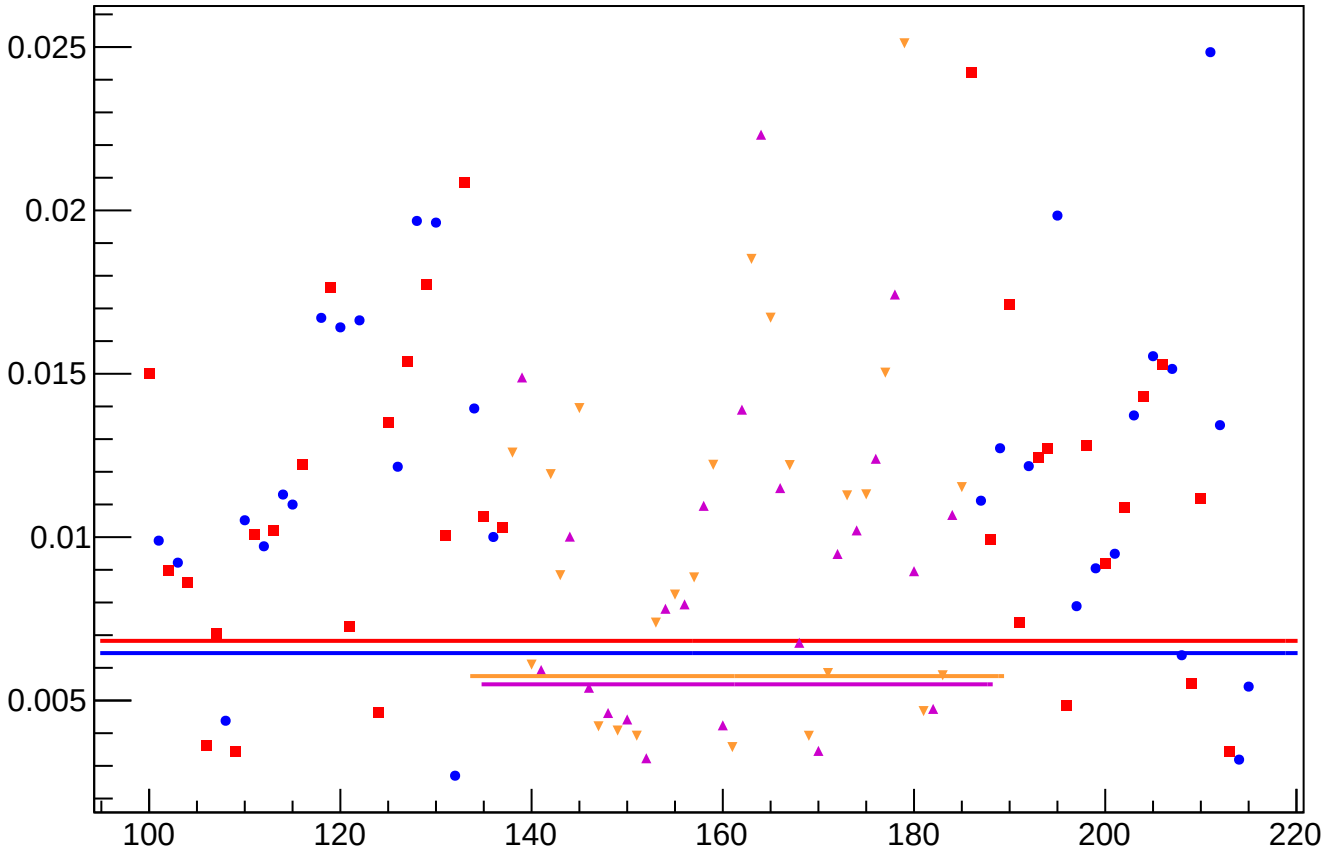
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 74.5/64

In: 0.000+/-0.000 χ^2/NDF:63.8/53

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 151.7/112



Right In: 0.006+/-0.000 χ^2/NDF: 11320349.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8640607.2/33

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

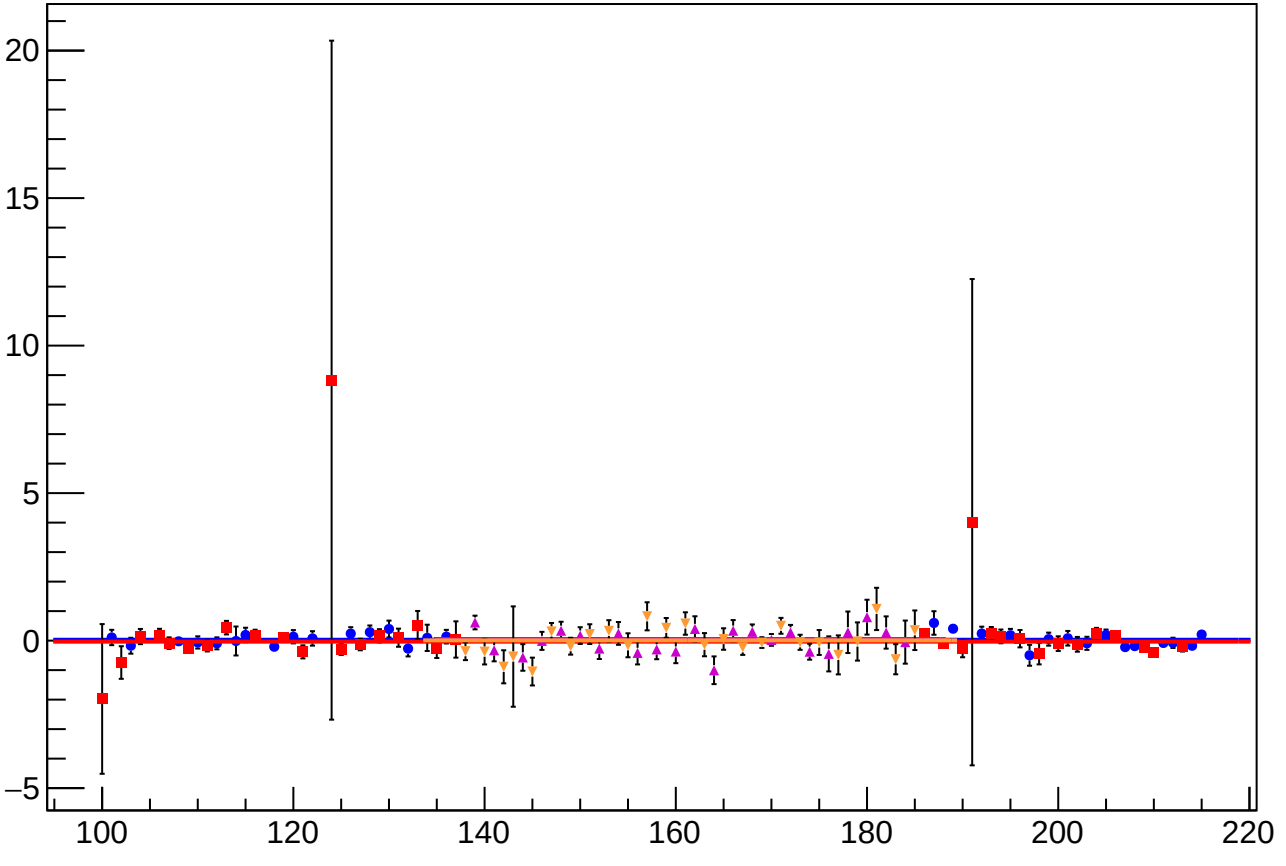
Right: 0.007+/-0.000 χ^2/NDF: 20002702.7/64

In: 0.006+/-0.000 χ^2/NDF:18585008.7/53

Out: 0.006+/-0.000 χ^2/NDF:17173359.8/58

All: 0.006+/-0.000 χ^2/NDF: 35820761.5/112

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

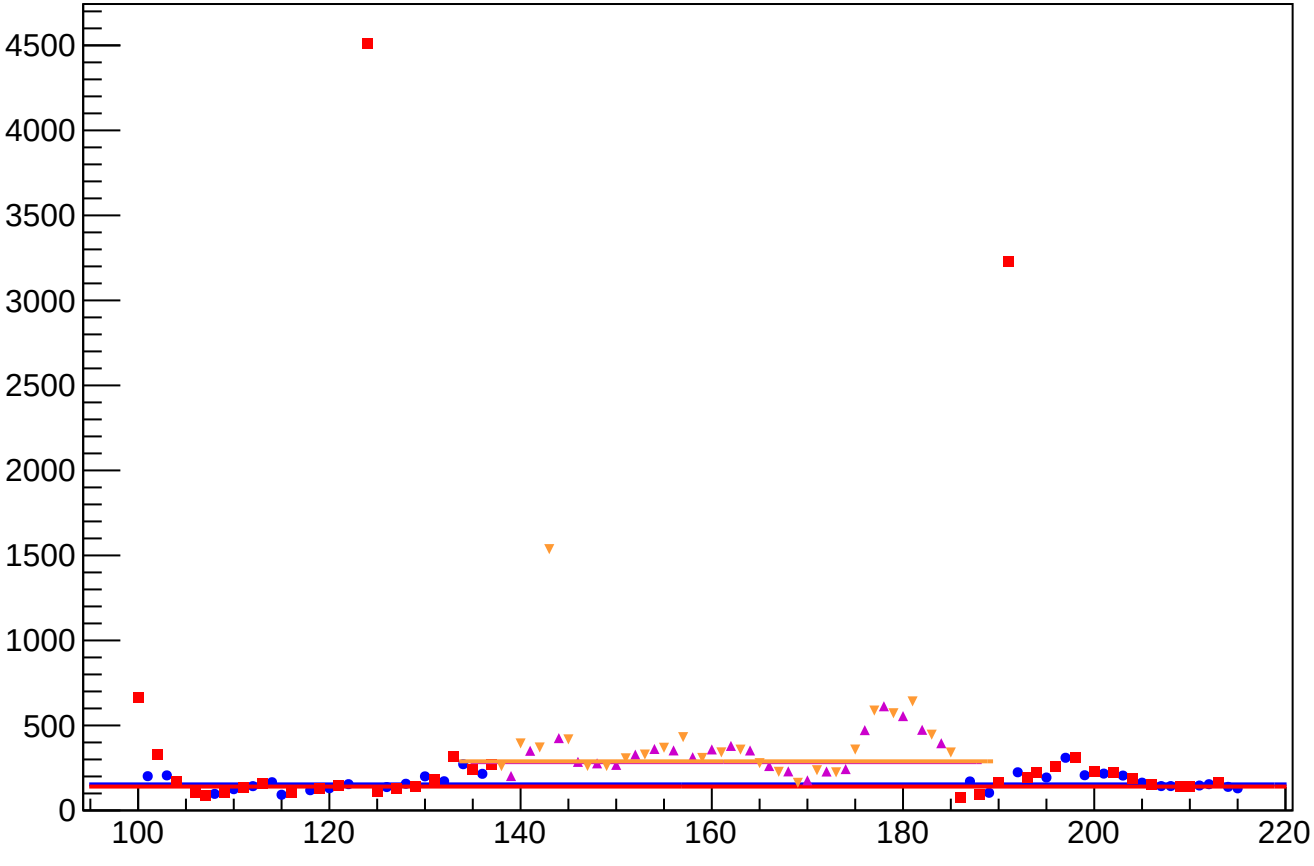
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

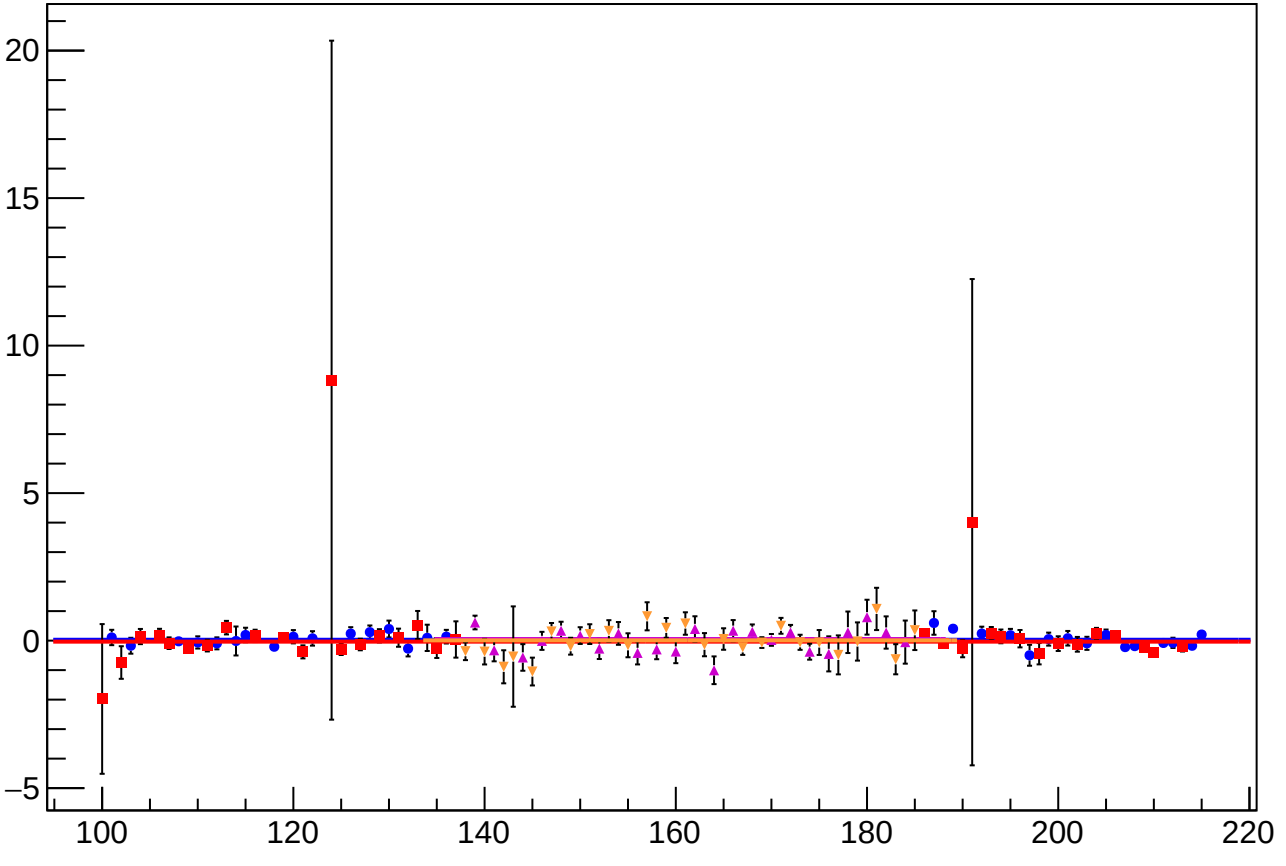
Right: 146.708+/-0.018 χ^2/NDF: 7194168.7/64

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 175.842+/-0.016 χ^2/NDF: 27305374.3/11

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

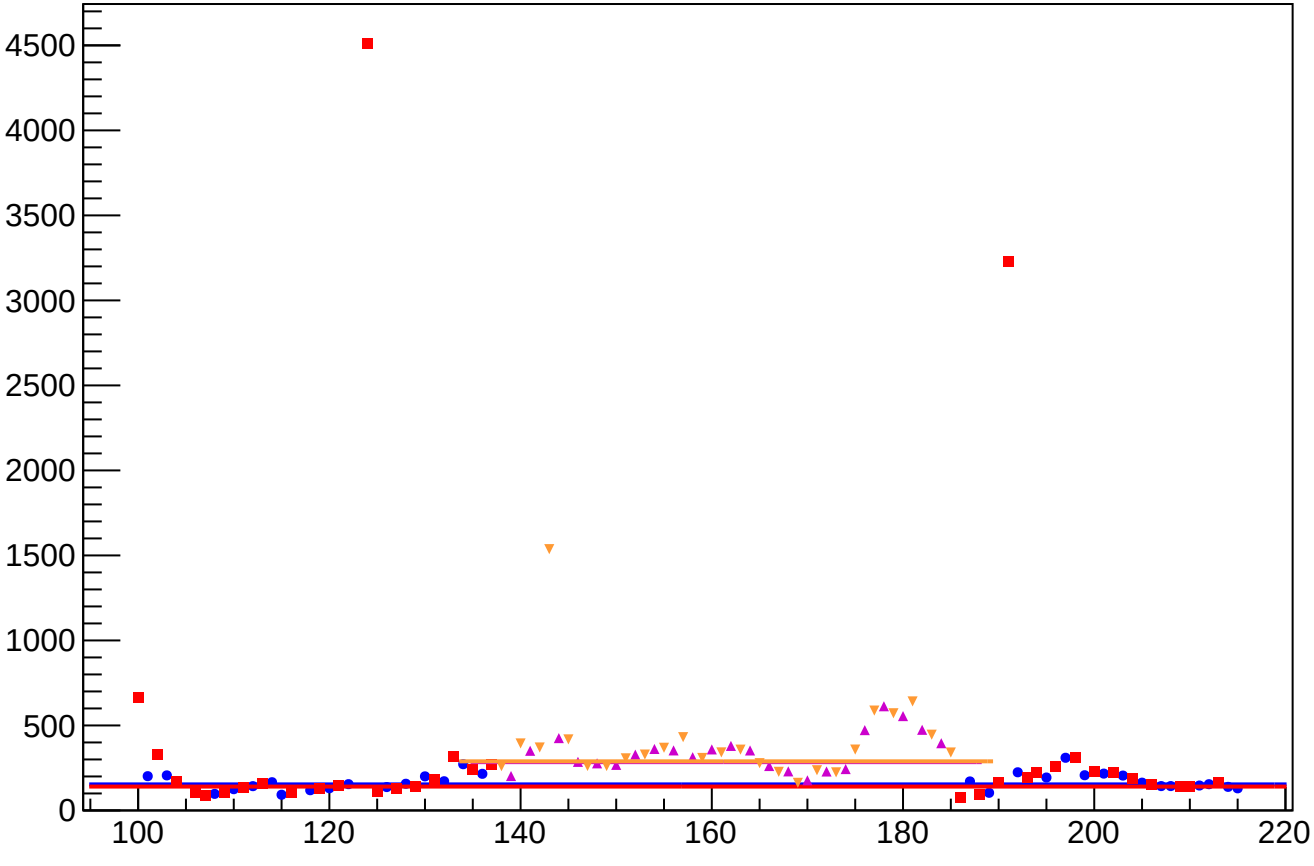
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

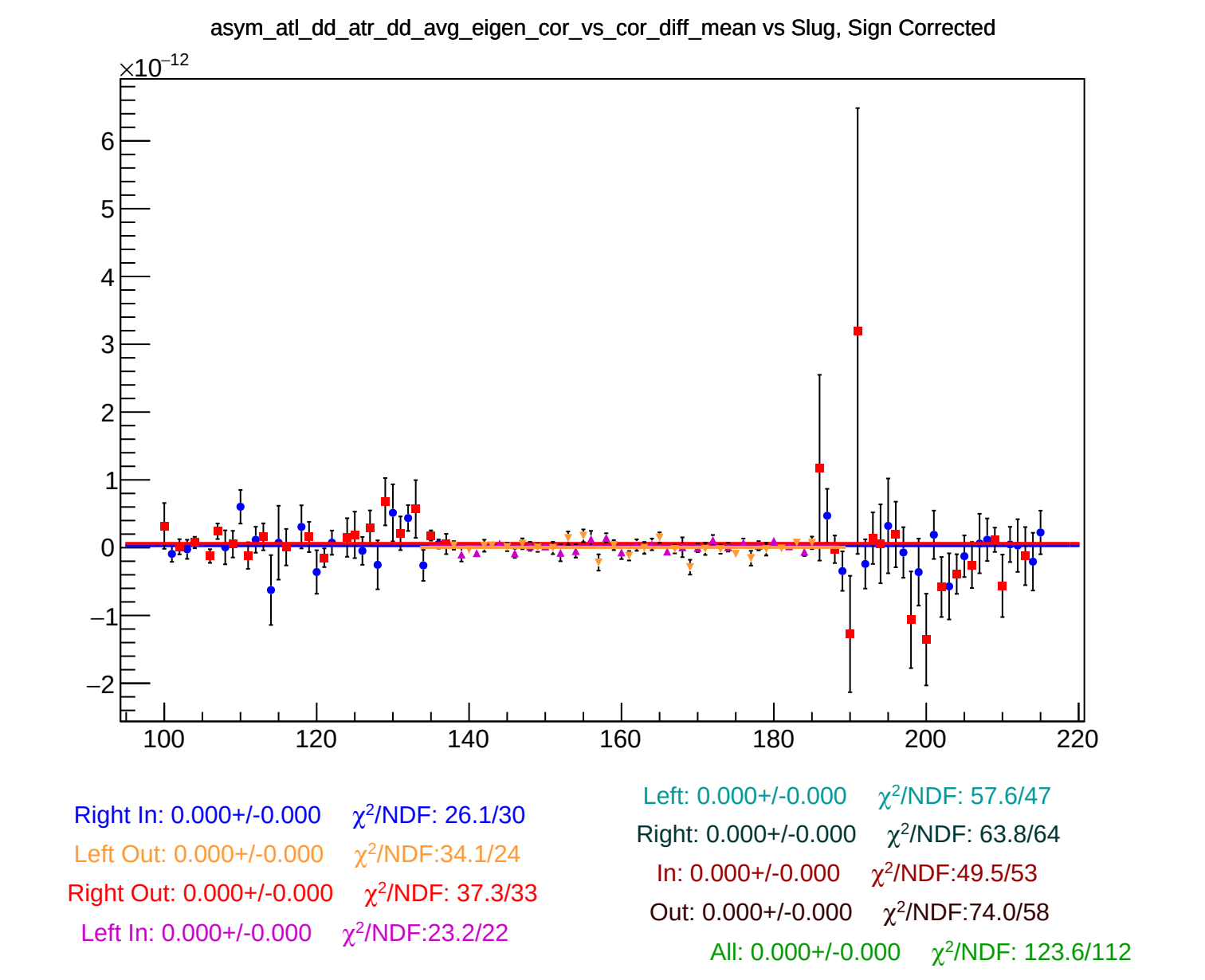
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 146.708+/-0.018 χ^2/NDF: 7194168.7/64

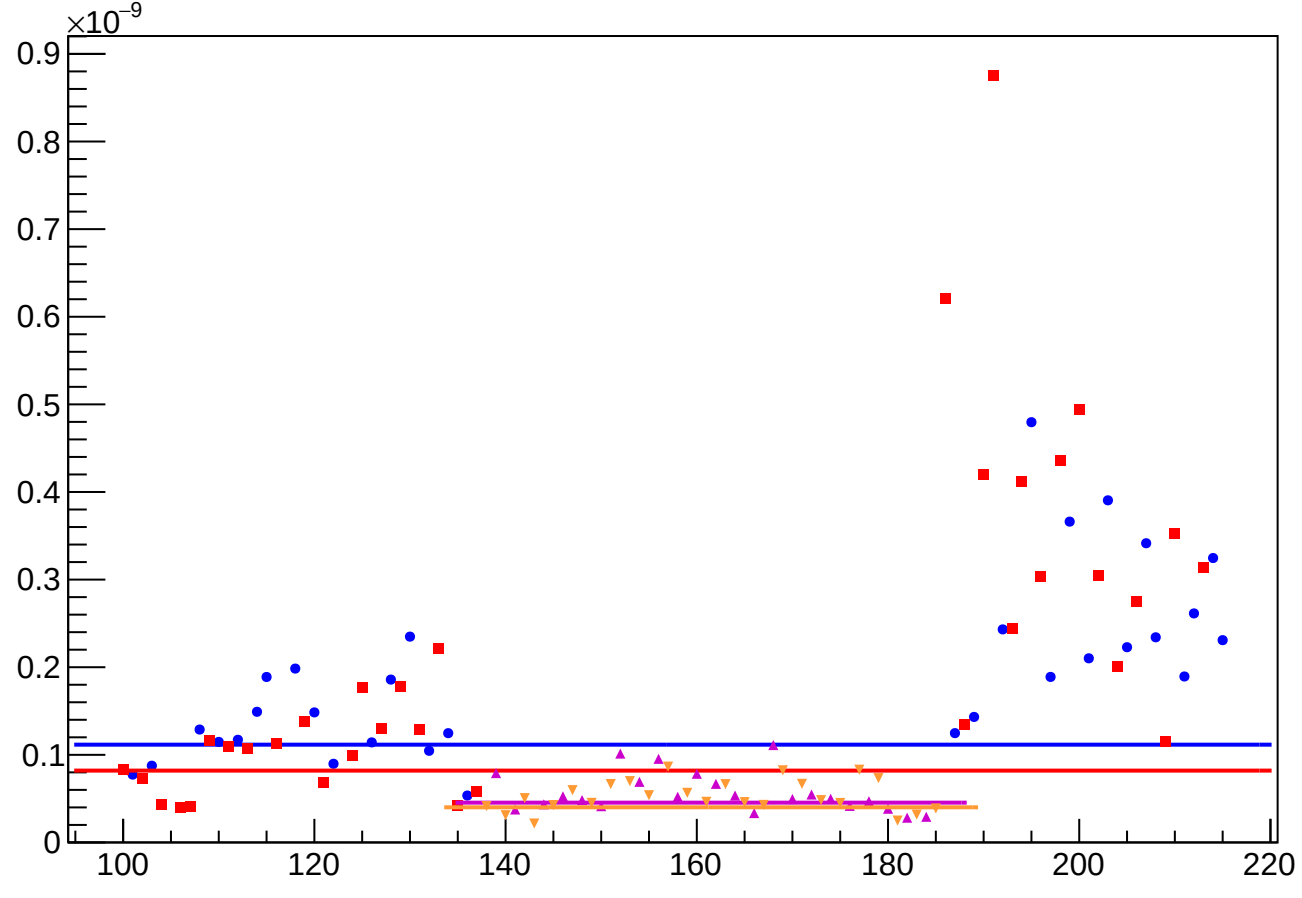
In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 175.842+/-0.016 χ^2/NDF: 27305374.3/11


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 26.1/30
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.3/33
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 63.8/64
In: 0.000+/-0.000 χ²/NDF:49.5/53
Out: 0.000+/-0.000 χ²/NDF:74.0/58
All: 0.000+/-0.000 χ²/NDF: 123.6/112

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: 6898634.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8993126.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

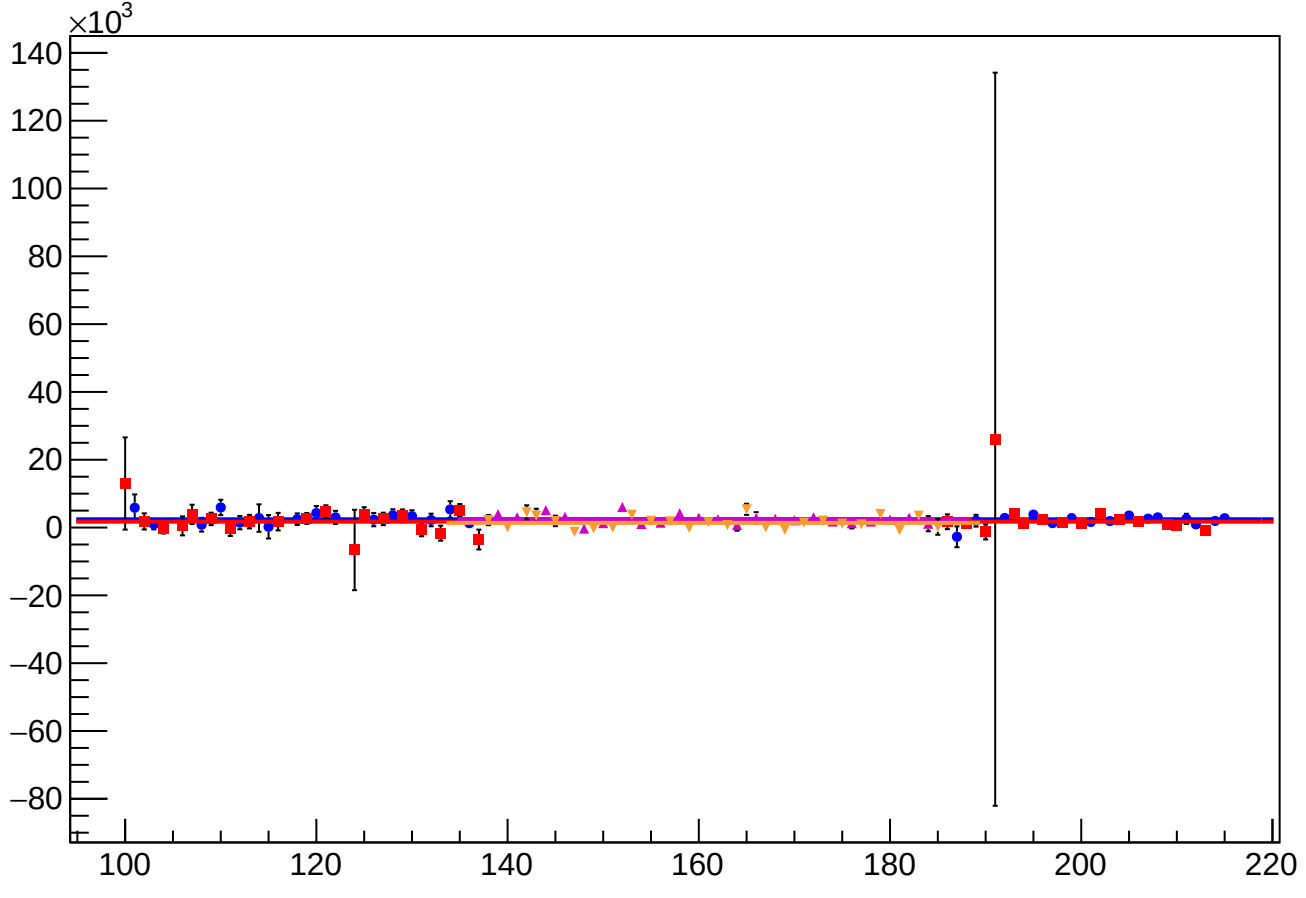
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16579192.1/64

In: 0.000+/-0.000 χ^2/NDF:14838485.8/53

Out: 0.000+/-0.000 χ^2/NDF:15559745.2/58

All: 0.000+/-0.000 χ^2/NDF: 30751307.1/112



Right In: 2440.246+/-297.711 χ^2/NDF: 16.3/30

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1734.642+/-305.325 χ^2/NDF: 33.1/33

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

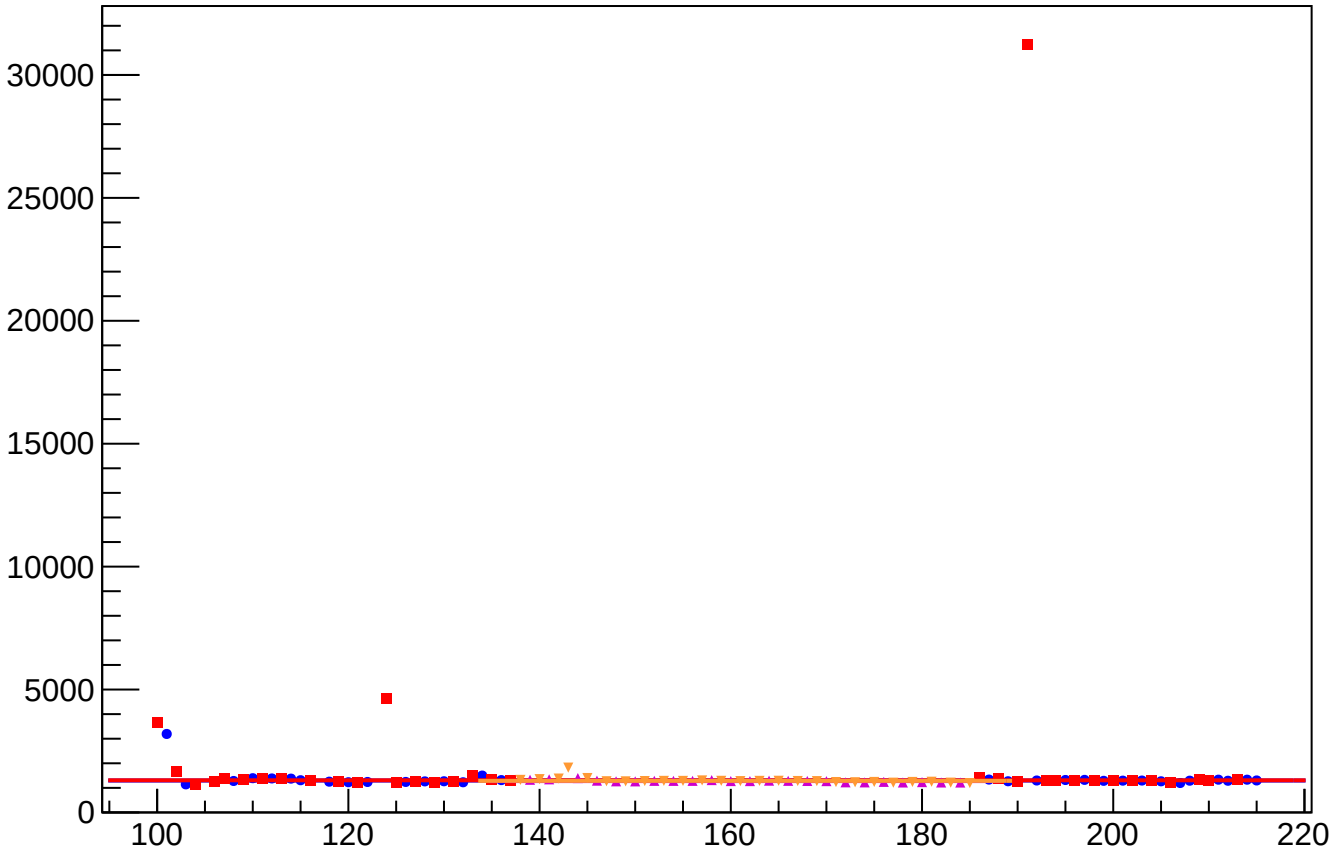
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2096.351+/-213.155 χ^2/NDF: 52.1/64

In: 2479.755+/-210.649 χ^2/NDF:38.8/53

Out: 1551.578+/-211.321 χ^2/NDF:66.7/58

All: 2017.144+/-149.189 χ^2/NDF: 115.2/112



Right In: 1297.996+/-0.211 χ^2/NDF: 534868.5/30

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1308.319+/-0.216 χ^2/NDF: 506181.3/33

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

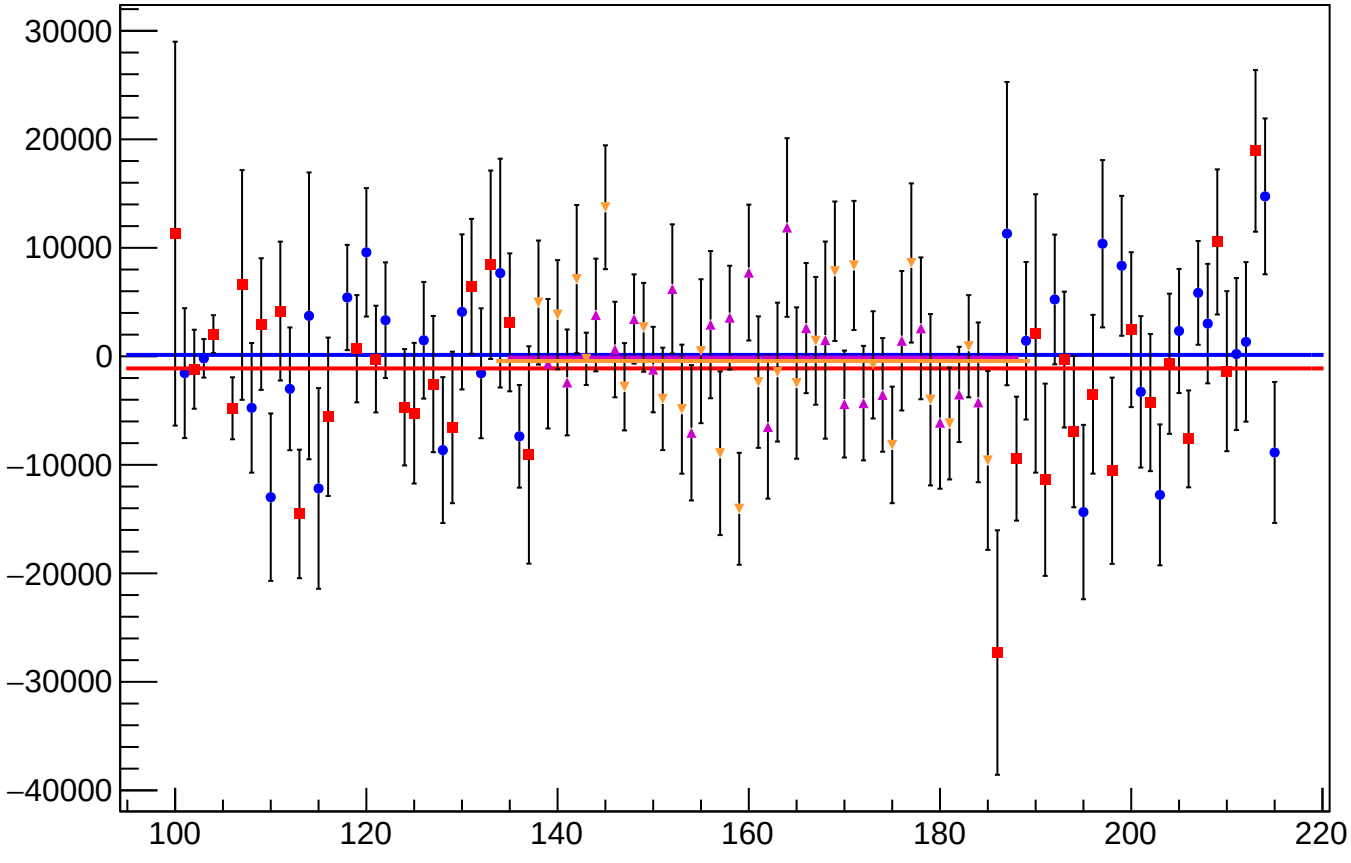
Right: 1303.033+/-0.151 χ^2/NDF: 1042223.0/64

In: 1286.983+/-0.149 χ^2/NDF:581748.8/53

Out: 1296.520+/-0.149 χ^2/NDF:702958.9/58

All: 1291.739+/-0.105 χ^2/NDF: 1286752.3/11

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 132.169+/-978.377 χ^2/NDF: 35.3/30

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1112.918+/-908.757 χ^2/NDF: 41.9/33

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

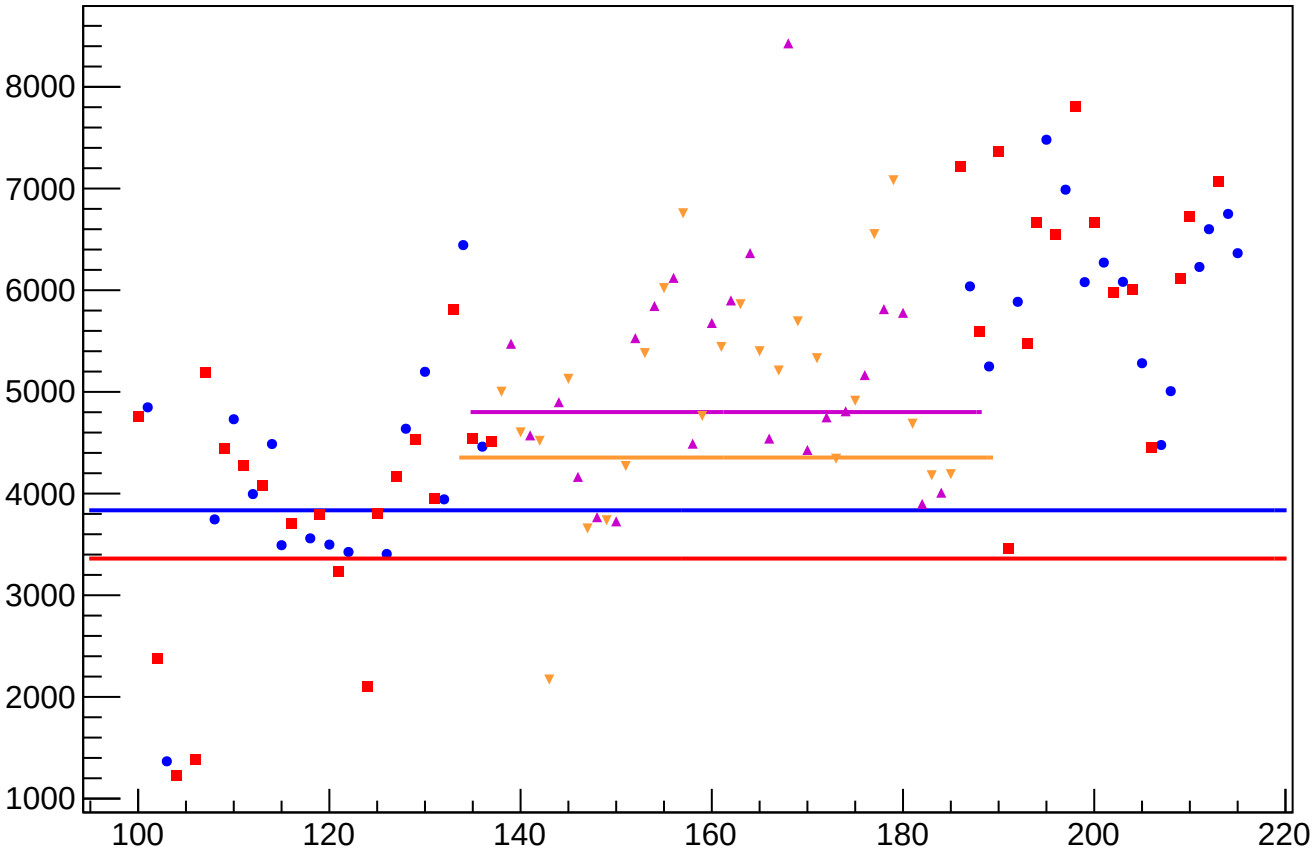
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -536.246+/-665.842 χ^2/NDF: 78.0/64

In: 25.999+/-743.734 χ^2/NDF:48.9/53

Out: -815.973+/-683.755 χ^2/NDF:72.0/58

All: -430.302+/-503.358 χ^2/NDF: 121.5/112



Right In: 3835.448+/-0.692 χ^2/NDF: 7493533.8/30

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3360.917+/-0.643 χ^2/NDF: 9602648.6/33

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

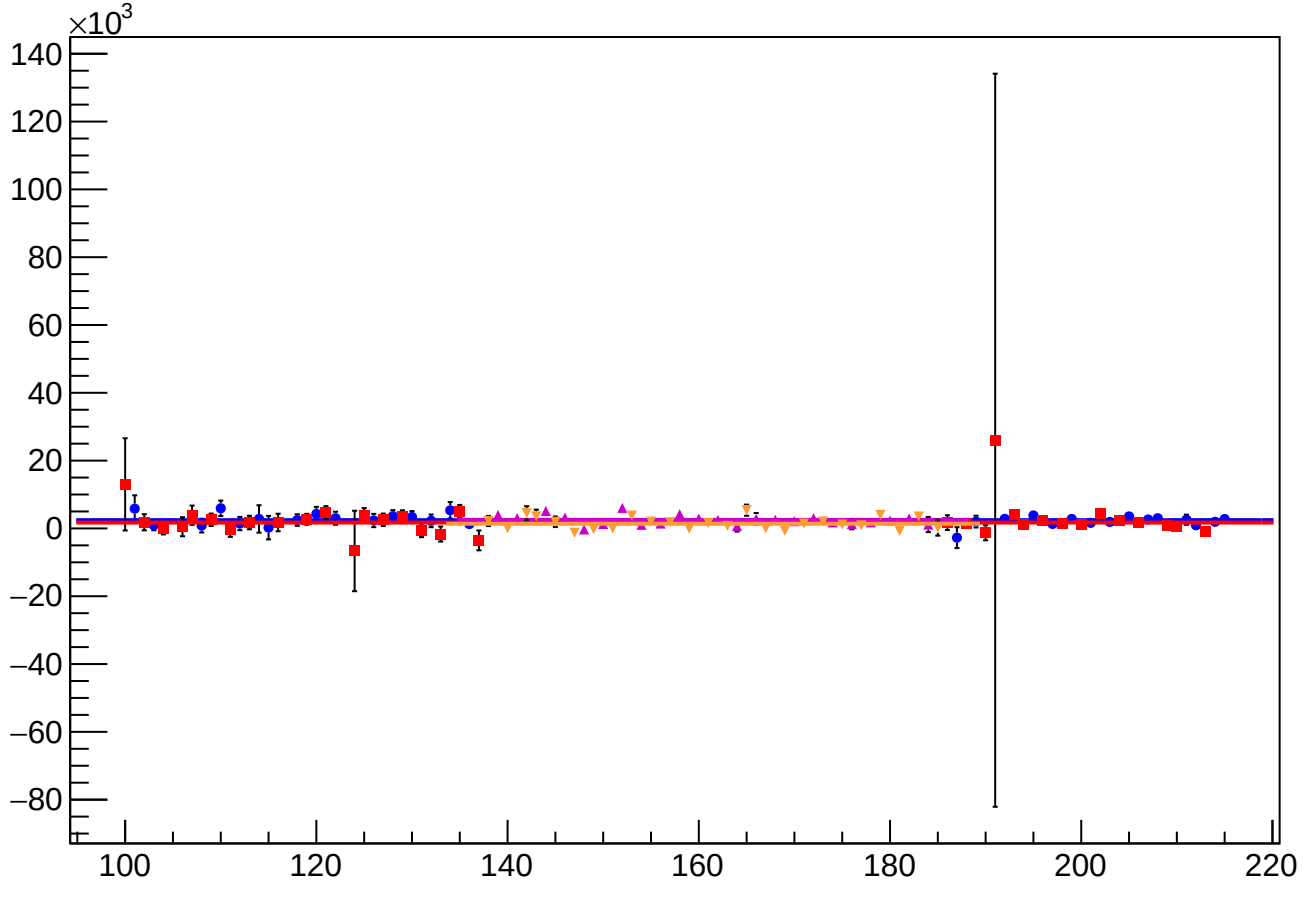
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3580.700+/-0.471 χ^2/NDF: 17348759.1/64

In: 4243.288+/-0.526 χ^2/NDF:9548682.1/53

Out: 3792.028+/-0.483 χ^2/NDF:13711470.1/58

All: 3998.731+/-0.356 χ^2/NDF: 23659177.7/1



Right In: 2440.154+/-297.711 χ^2/NDF: 16.3/30

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1734.570+/-305.325 χ^2/NDF: 33.1/33

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

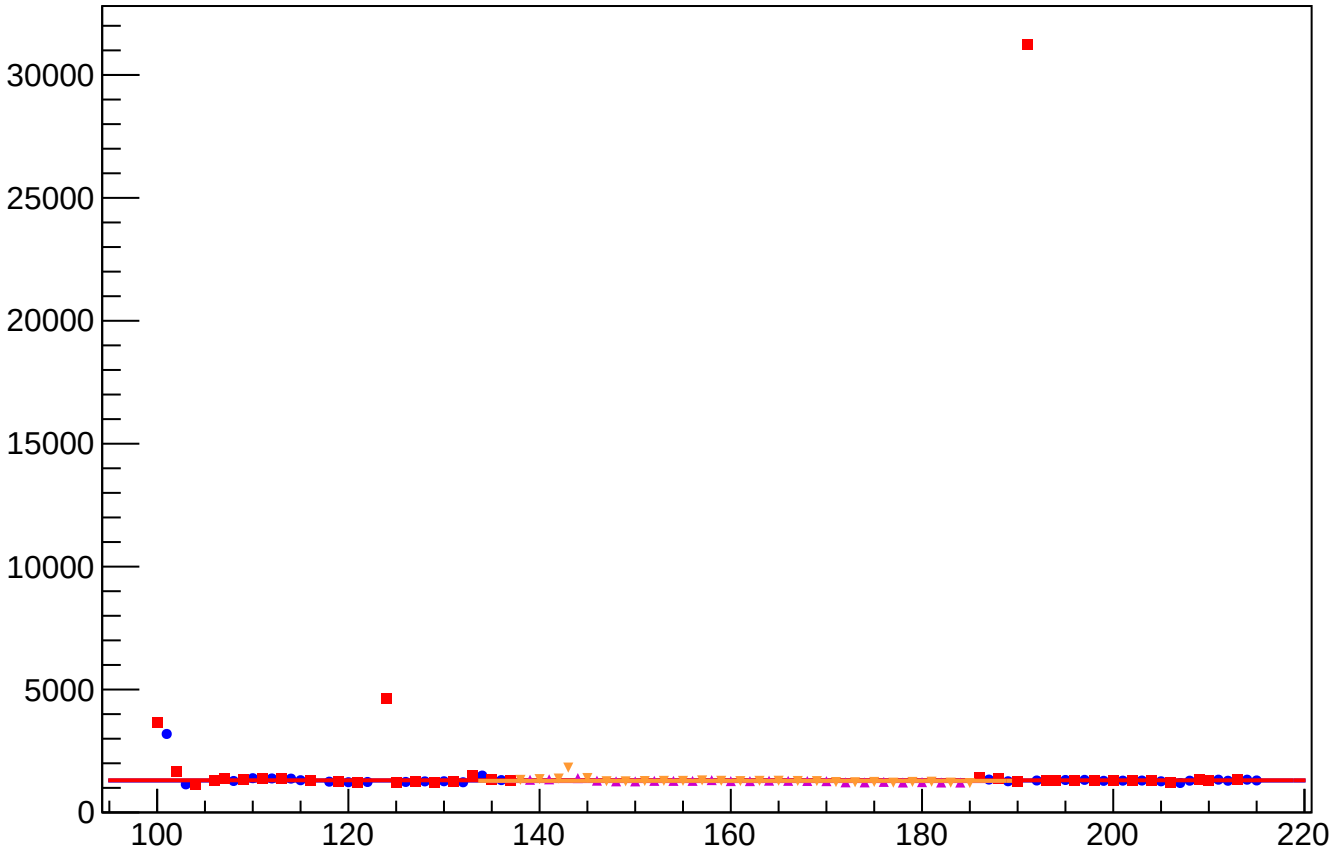
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2096.269+/-213.155 χ^2/NDF: 52.1/64

In: 2479.709+/-210.649 χ^2/NDF:38.8/53

Out: 1551.510+/-211.321 χ^2/NDF:66.7/58

All: 2017.088+/-149.189 χ^2/NDF: 115.2/112



Right In: 1297.996+/-0.211 χ^2/NDF: 534870.0/30

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1308.746+/-0.216 χ^2/NDF: 505836.1/33

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

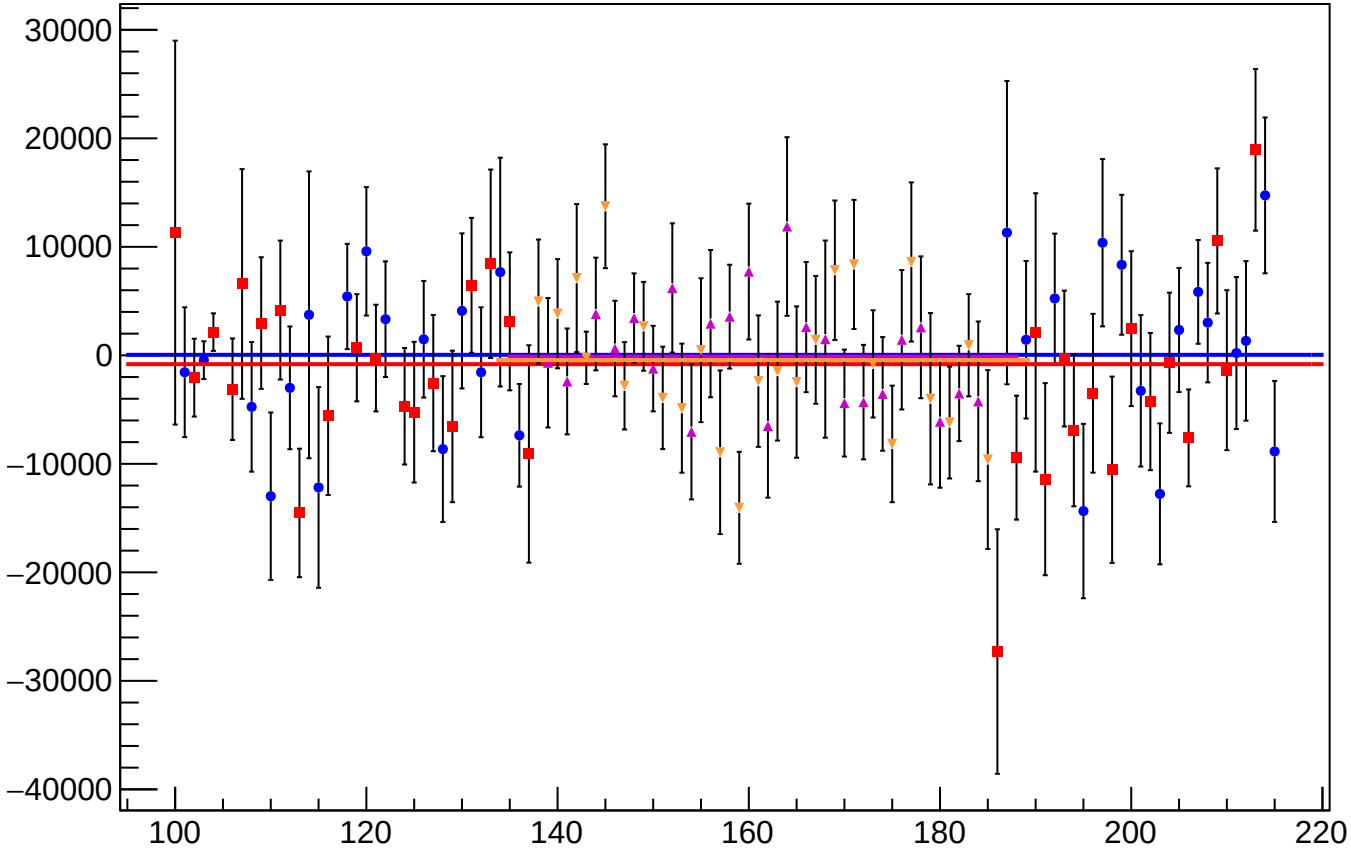
Right: 1303.239+/-0.151 χ^2/NDF: 1041977.9/64

In: 1286.983+/-0.149 χ^2/NDF:581750.3/53

Out: 1296.721+/-0.149 χ^2/NDF:702830.2/58

All: 1291.838+/-0.105 χ^2/NDF: 1286711.9/11

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 47.009+/-972.598 χ^2/NDF: 35.3/30

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -813.521+/-935.625 χ^2/NDF: 40.7/33

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

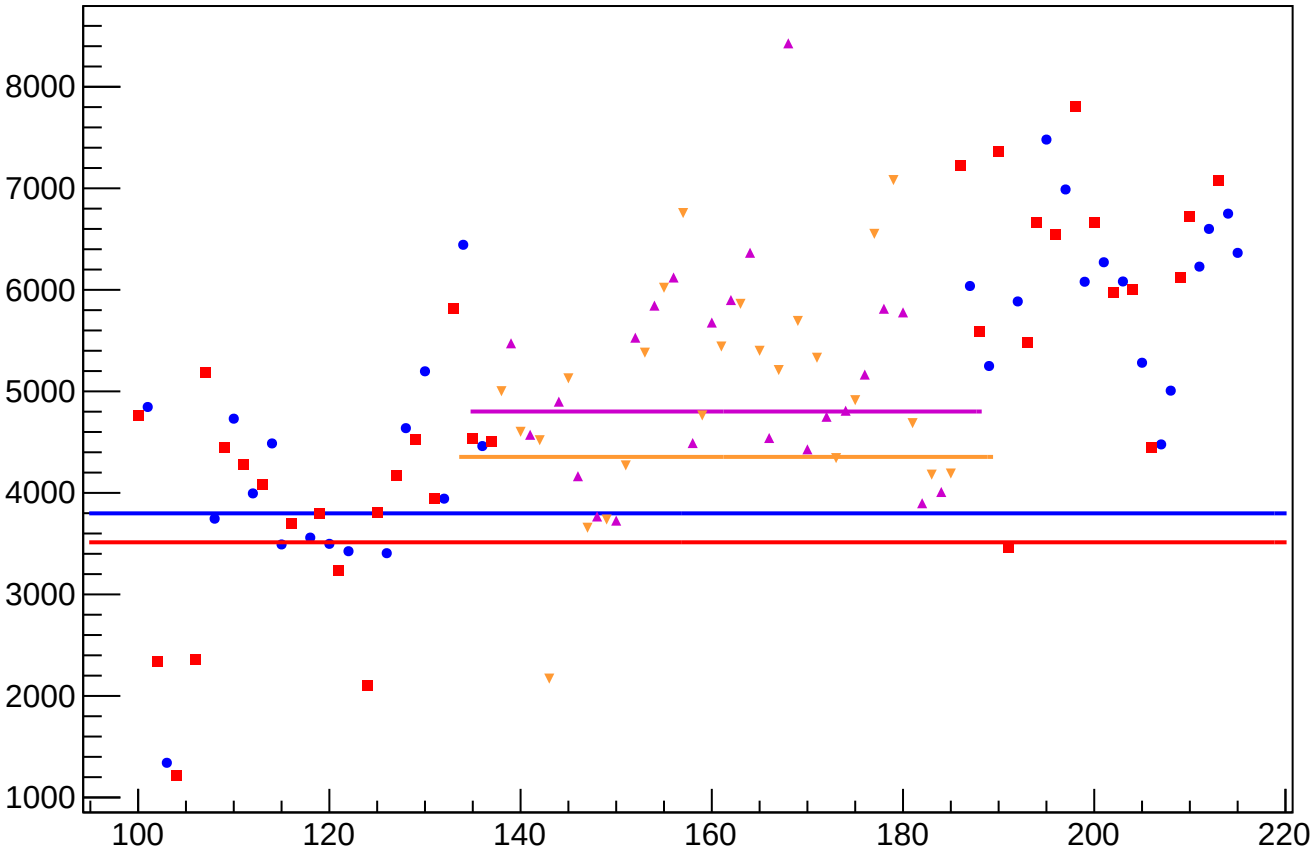
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -399.923+/-674.279 χ^2/NDF: 76.4/64

In: -22.719+/-741.186 χ^2/NDF:48.9/53

Out: -640.946+/-694.981 χ^2/NDF:70.6/58

All: -351.702+/-506.974 χ^2/NDF: 119.9/112



Right In: 3798.509+/-0.688 χ^2/NDF: 7724685.2/30

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3513.341+/-0.662 χ^2/NDF: 8790765.0/33

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

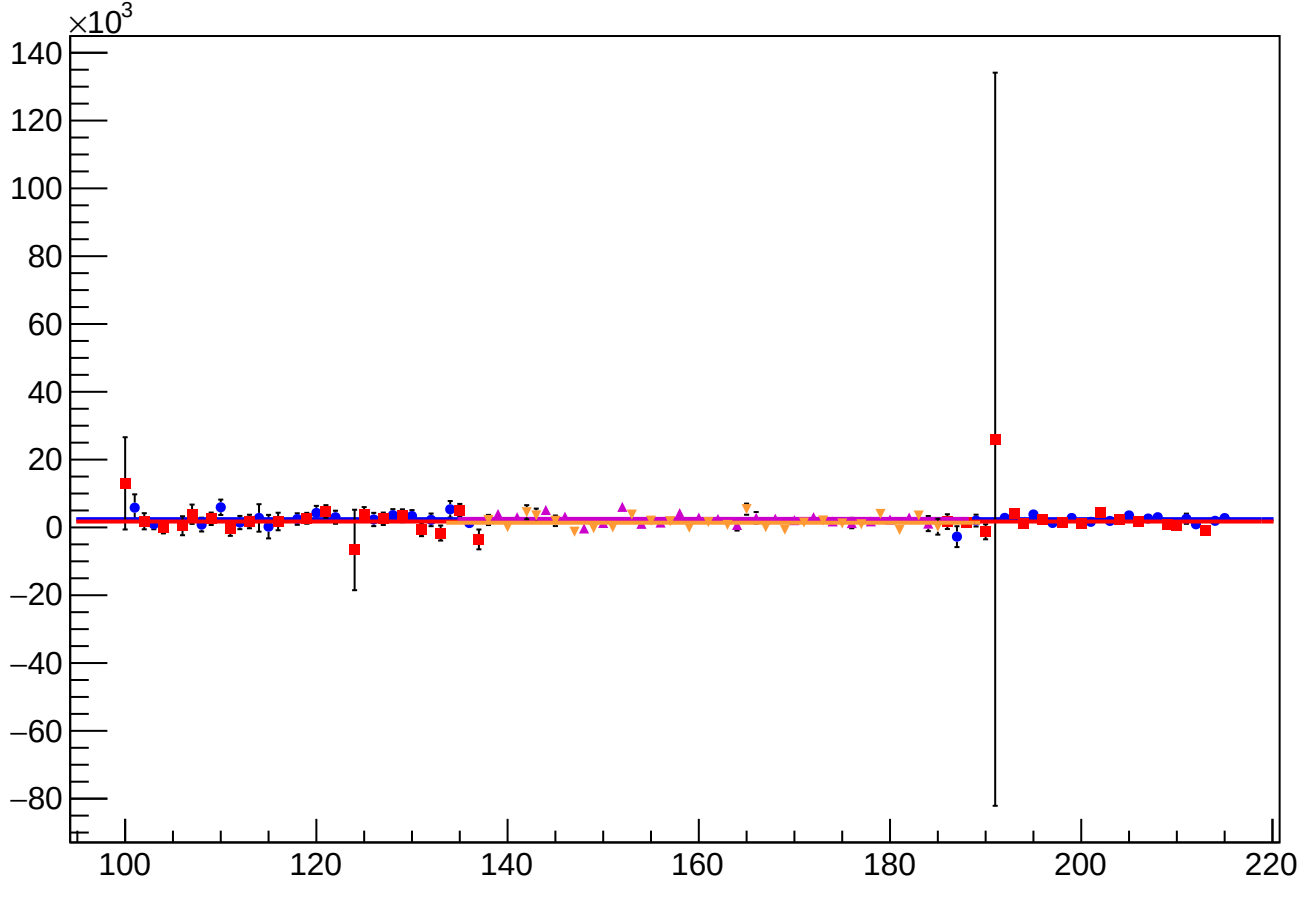
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3650.402+/-0.477 χ^2/NDF: 16604747.7/64

In: 4219.044+/-0.524 χ^2/NDF:9848433.1/53

Out: 3890.396+/-0.491 χ^2/NDF:12586921.2/58

All: 4044.157+/-0.358 χ^2/NDF: 22644603.8/1



Right In: 2440.154+/-297.711 χ^2/NDF: 16.3/30

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1734.570+/-305.325 χ^2/NDF: 33.1/33

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

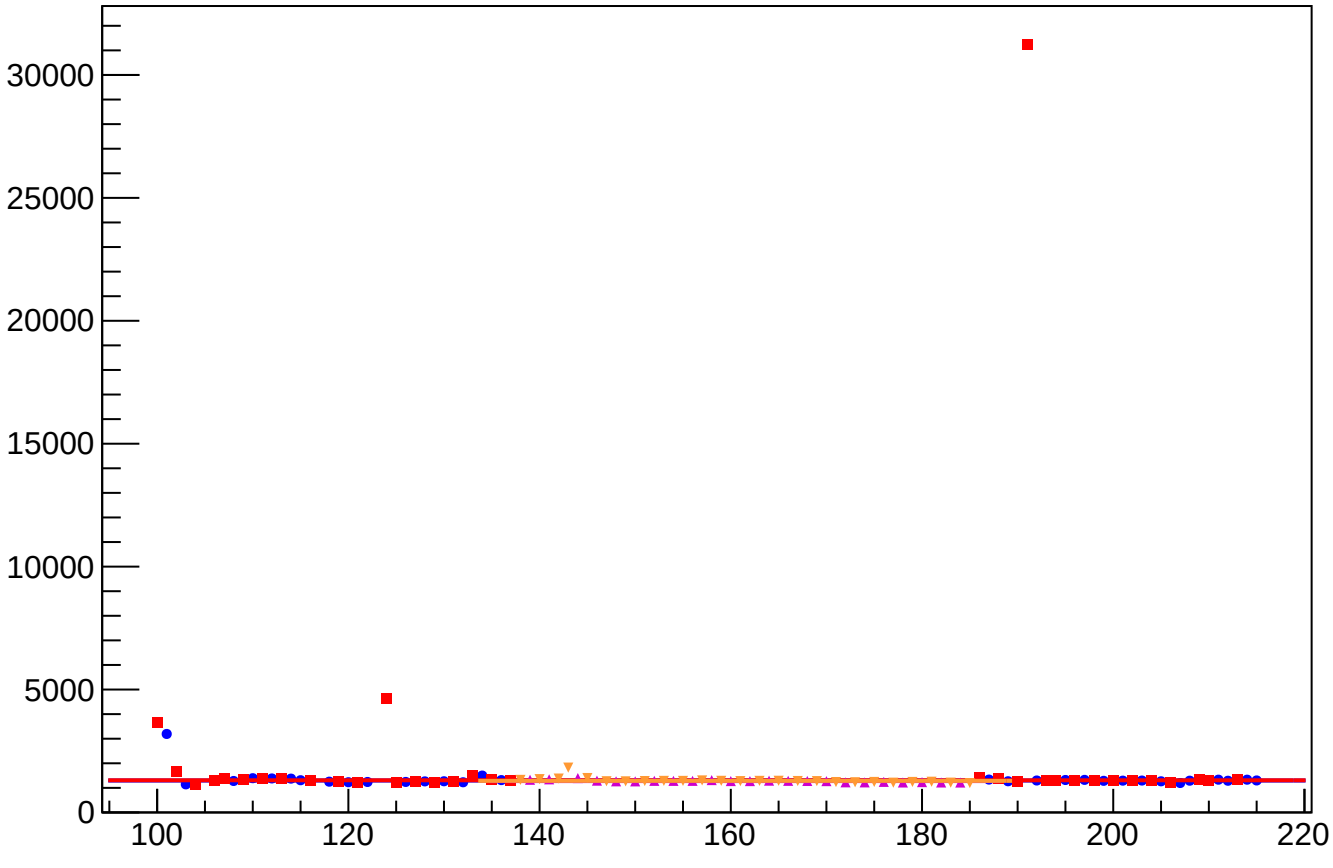
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2096.269+/-213.155 χ^2/NDF: 52.1/64

In: 2479.709+/-210.649 χ^2/NDF:38.8/53

Out: 1551.510+/-211.321 χ^2/NDF:66.7/58

All: 2017.088+/-149.189 χ^2/NDF: 115.2/112



Right In: 1297.996+/-0.211 χ^2/NDF: 534870.0/30

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1308.746+/-0.216 χ^2/NDF: 505836.1/33

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

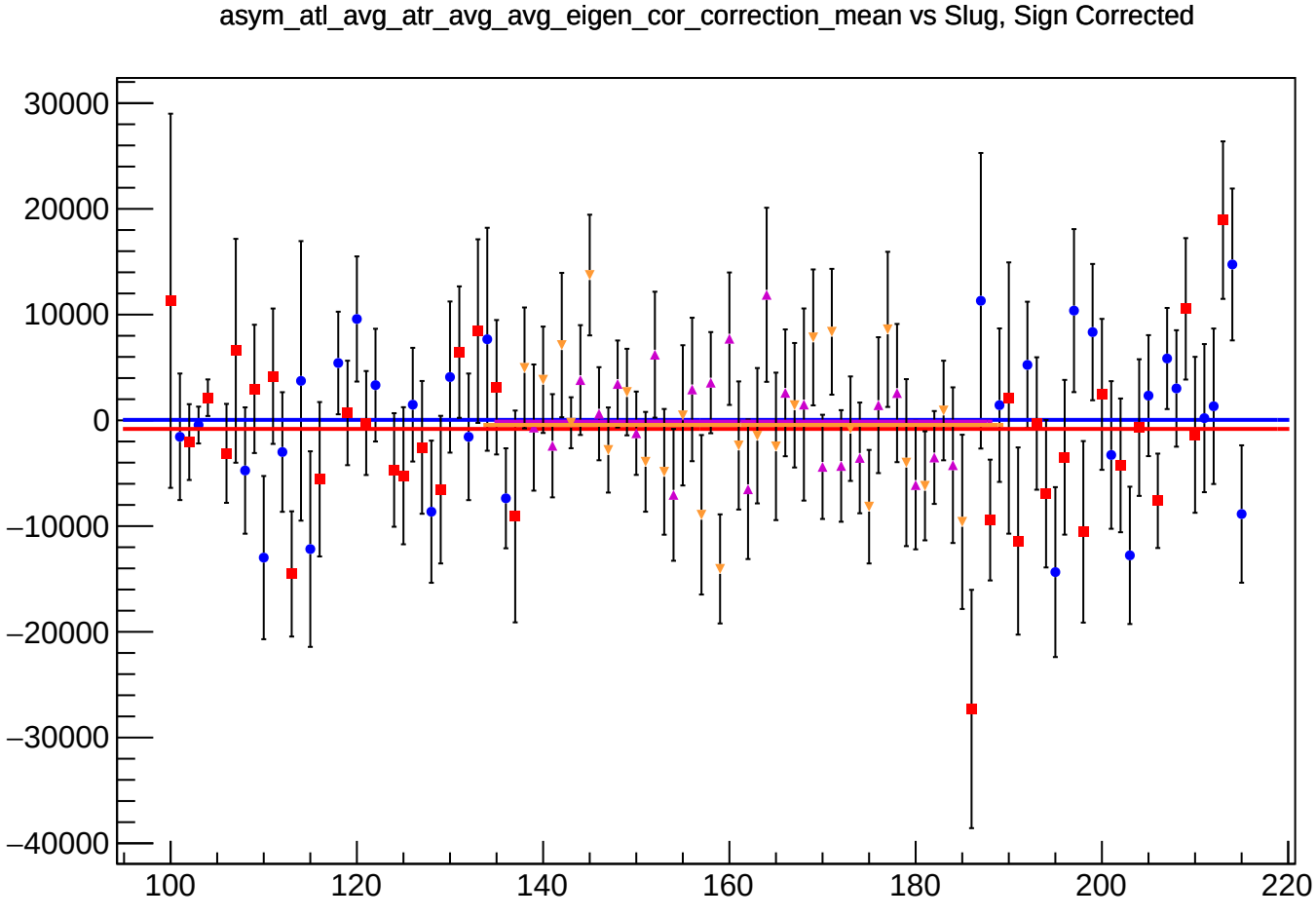
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1303.239+/-0.151 χ^2/NDF: 1041977.9/64

In: 1286.983+/-0.149 χ^2/NDF:581750.3/53

Out: 1296.721+/-0.149 χ^2/NDF:702830.2/58

All: 1291.838+/-0.105 χ^2/NDF: 1286711.9/11



Right In: 47.009+/-972.598 χ^2/NDF: 35.3/30

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -813.521+/-935.625 χ^2/NDF: 40.7/33

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

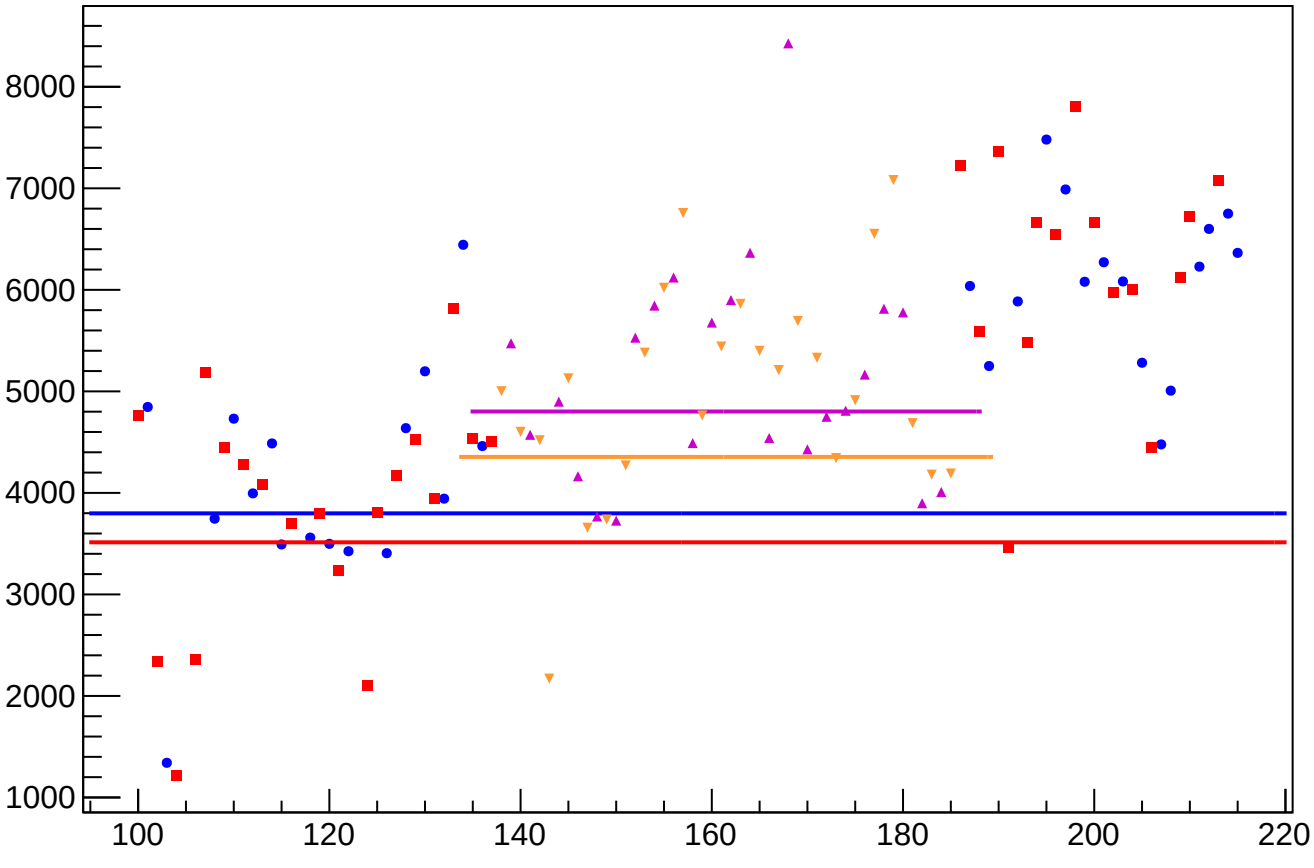
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -399.923+/-674.279 χ^2/NDF: 76.4/64

In: -22.719+/-741.186 χ^2/NDF:48.9/53

Out: -640.946+/-694.981 χ^2/NDF:70.6/58

All: -351.702+/-506.974 χ^2/NDF: 119.9/112



Right In: 3798.509+/-0.688 χ^2/NDF: 7724685.2/30

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3513.341+/-0.662 χ^2/NDF: 8790765.0/33

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

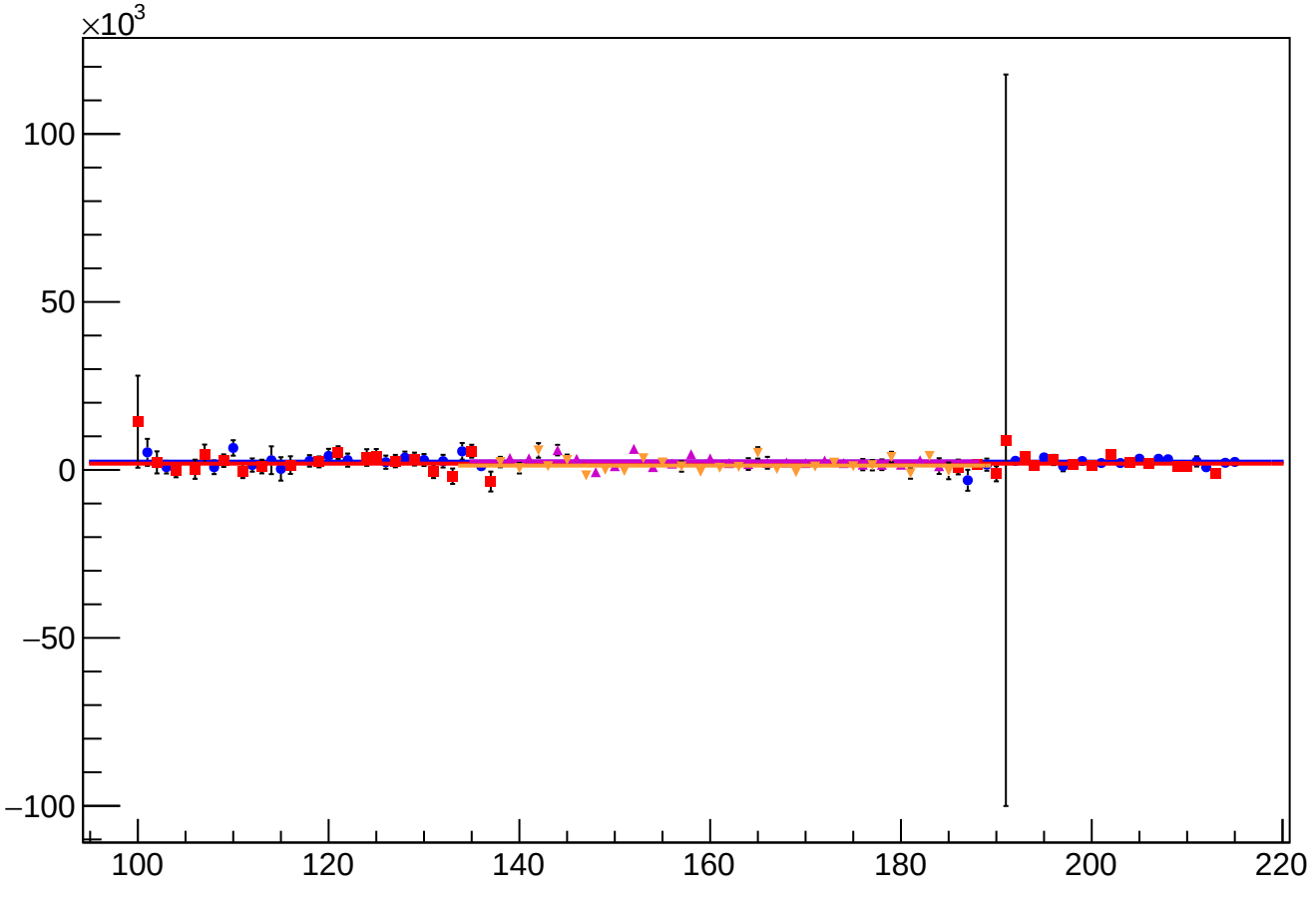
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3650.402+/-0.477 χ^2/NDF: 16604747.7/64

In: 4219.044+/-0.524 χ^2/NDF:9848433.1/53

Out: 3890.396+/-0.491 χ^2/NDF:12586921.2/58

All: 4044.157+/-0.358 χ^2/NDF: 22644603.8/1



Right In: 2461.196+/-304.955 χ^2/NDF: 17.0/30

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 1868.938+/-311.770 χ^2/NDF: 34.7/33

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

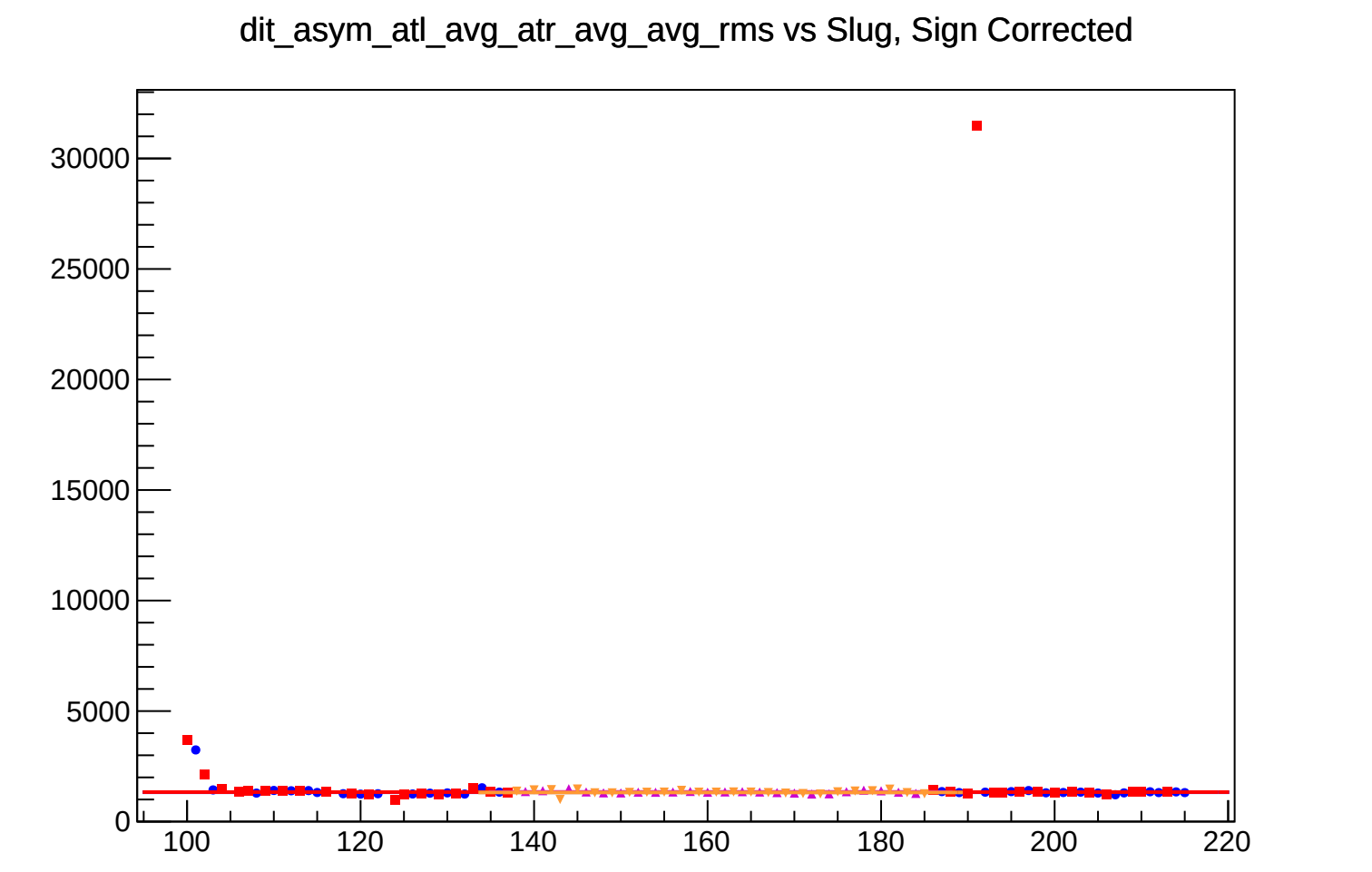
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2171.610+/-218.006 χ^2/NDF: 53.6/64

In: 2495.587+/-218.386 χ^2/NDF:42.0/53

Out: 1565.953+/-216.371 χ^2/NDF:69.9/58

All: 2026.462+/-153.705 χ^2/NDF: 121.1/112



Right In: 1329.406+/-0.216 χ^2/NDF: 523409.9/30

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1334.559+/-0.220 χ^2/NDF: 447785.2/33

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

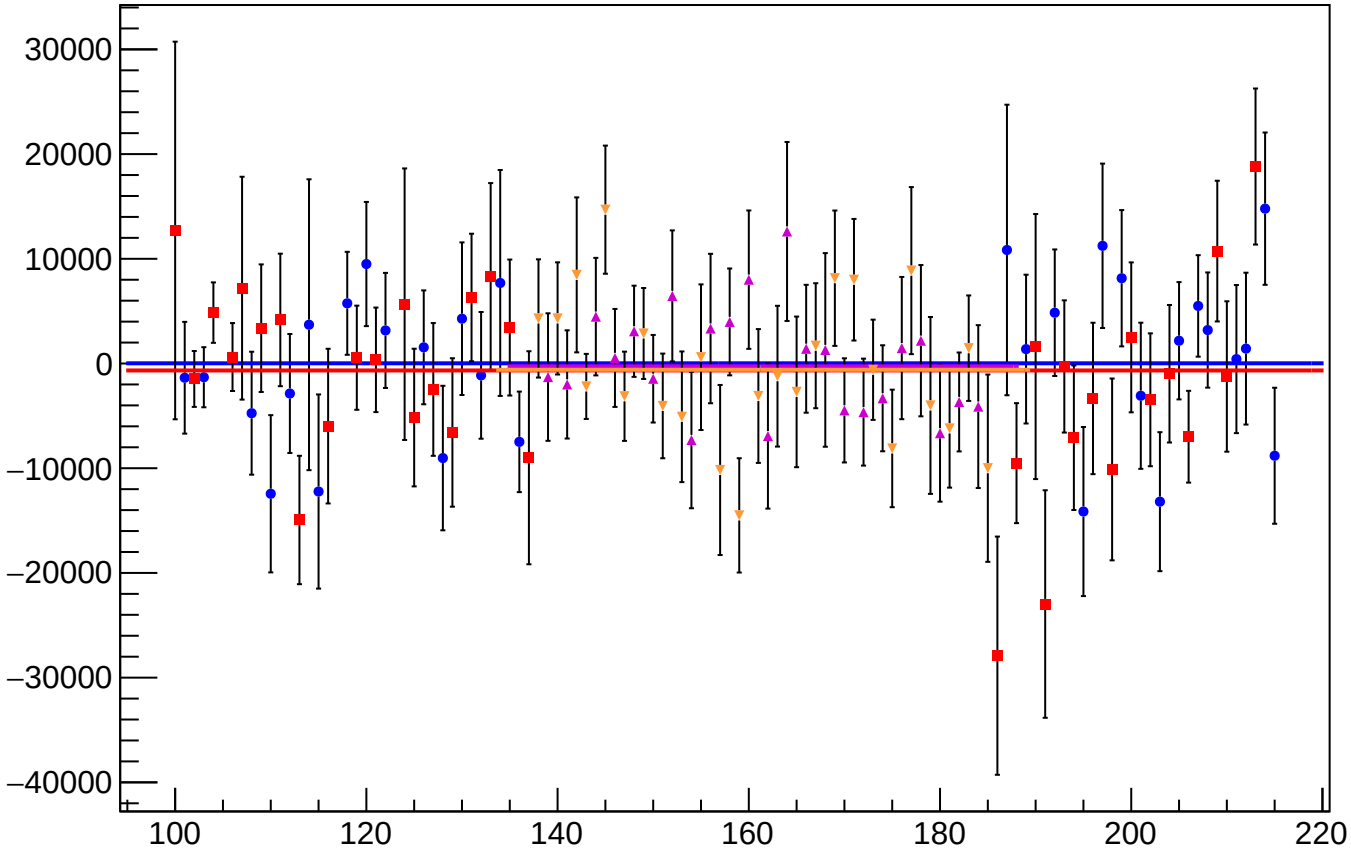
Right: 1331.926+/-0.154 χ^2/NDF: 971474.4/64

In: 1333.886+/-0.154 χ^2/NDF:578544.5/53

Out: 1326.068+/-0.153 χ^2/NDF:699196.8/58

All: 1329.940+/-0.109 χ^2/NDF: 1279034.9/11

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 19.147+/-1086.649 χ^2/NDF: 35.0/30

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -661.767+/-998.959 χ^2/NDF: 43.7/33

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

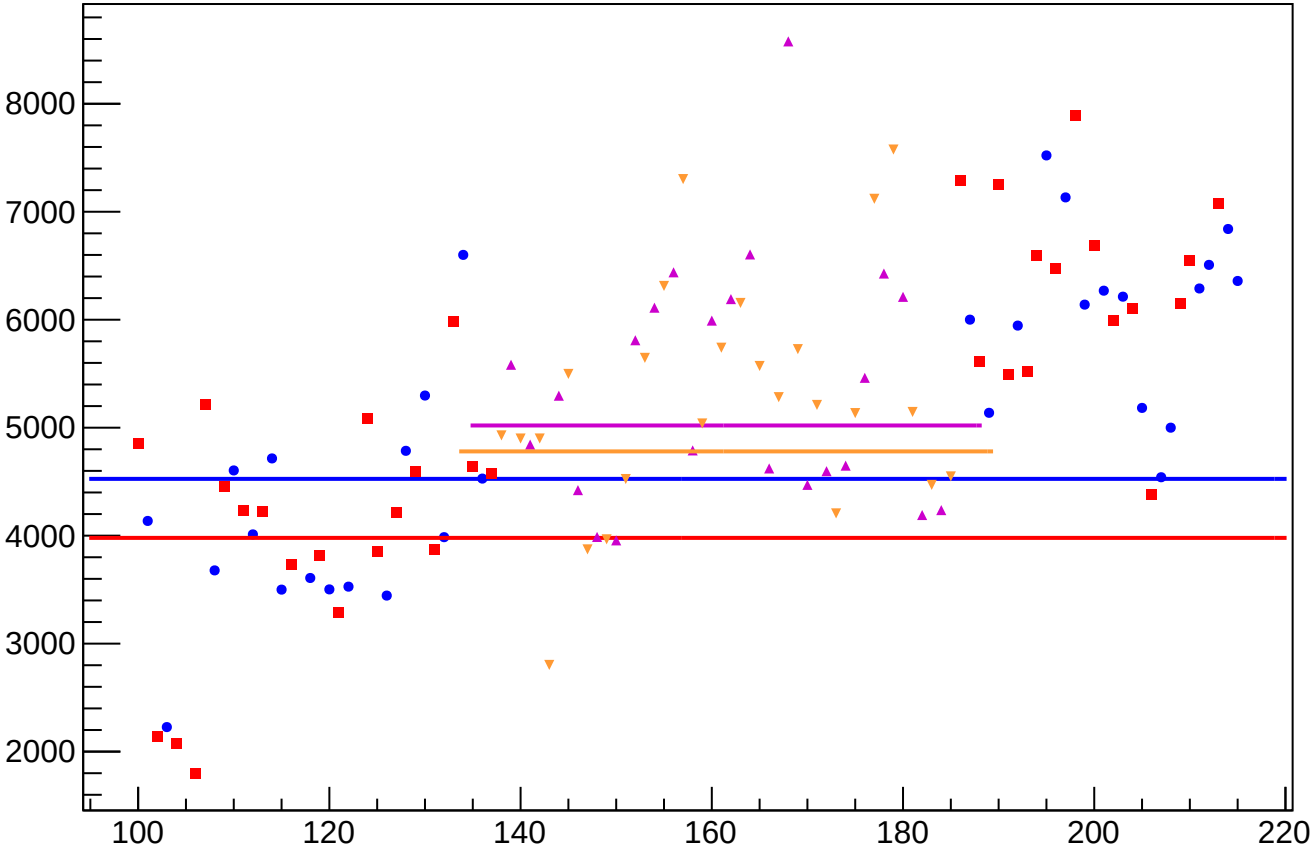
Right: -349.889+/-735.421 χ^2/NDF: 78.9/64

In: -112.828+/-804.508 χ^2/NDF:48.5/53

Out: -632.215+/-746.178 χ^2/NDF:73.2/58

All: -392.031+/-547.088 χ^2/NDF: 121.9/112

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4525.997+/-0.768 χ^2/NDF: 3465746.3/30

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3979.421+/-0.706 χ^2/NDF: 6060962.5/33

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

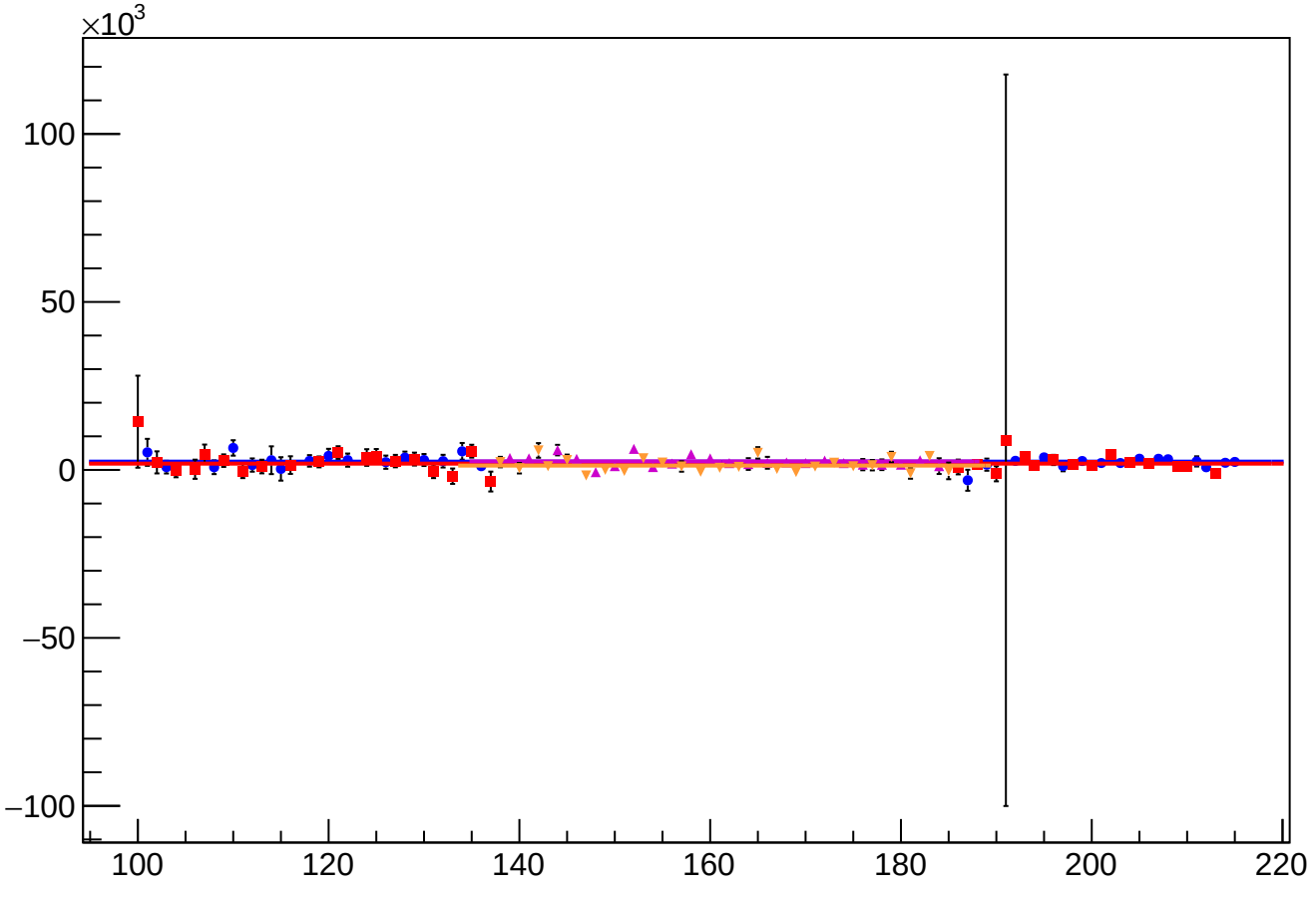
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4229.769+/-0.520 χ^2/NDF: 9800946.9/64

In: 4749.476+/-0.569 χ^2/NDF:4878039.7/53

Out: 4333.497+/-0.528 χ^2/NDF:8635602.3/58

All: 4525.861+/-0.387 χ^2/NDF: 13801076.7/1



Right In: 2461.193+/-304.955 χ^2/NDF: 17.0/30

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1868.936+/-311.770 χ^2/NDF: 34.7/33

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

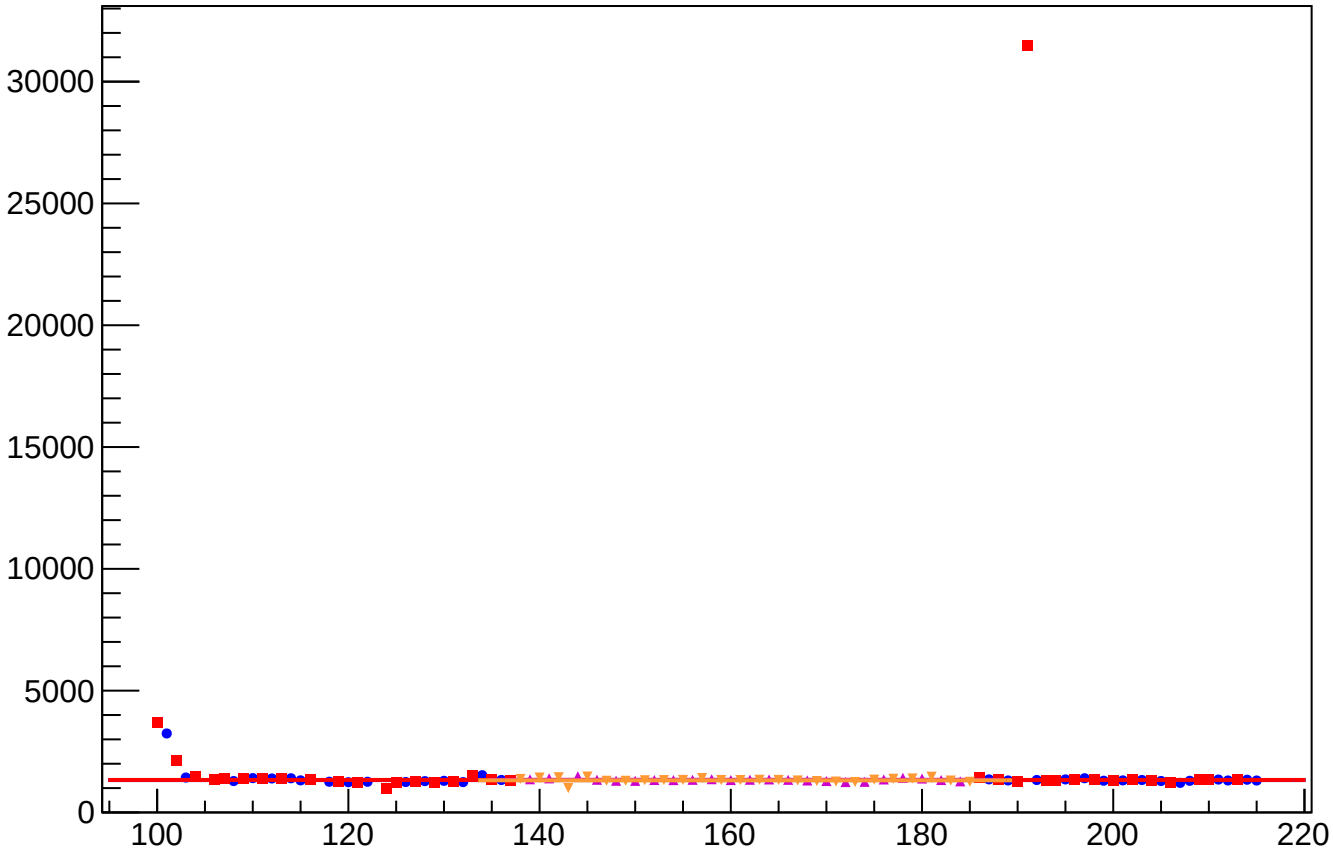
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2171.608+/-218.005 χ^2/NDF: 53.6/64

In: 2495.586+/-218.386 χ^2/NDF:42.0/53

Out: 1565.949+/-216.371 χ^2/NDF:69.9/58

All: 2026.459+/-153.705 χ^2/NDF: 121.1/112



Right In: 1329.405+/-0.216 χ^2/NDF: 523410.0/30

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1334.559+/-0.220 χ^2/NDF: 447784.2/33

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

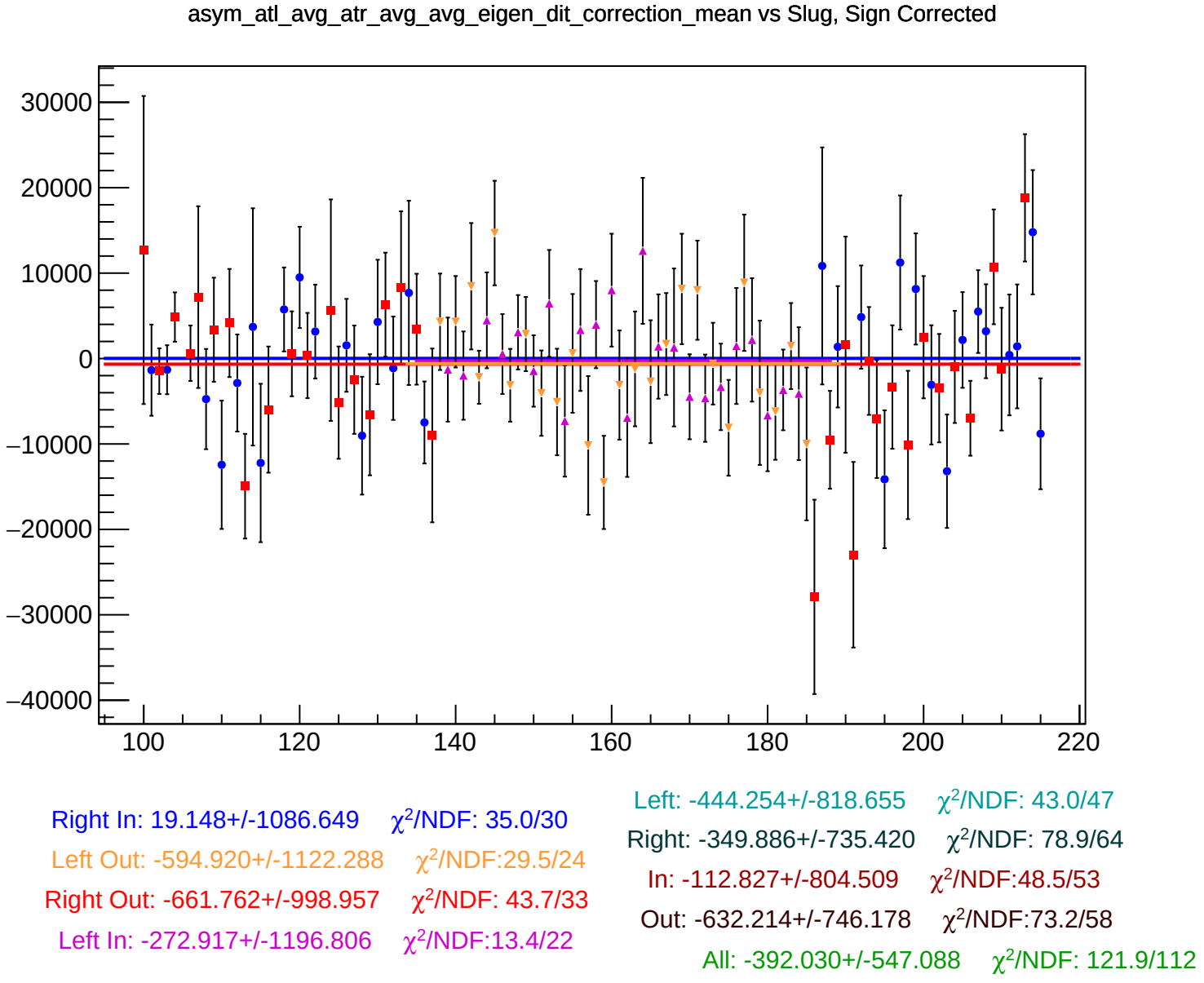
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

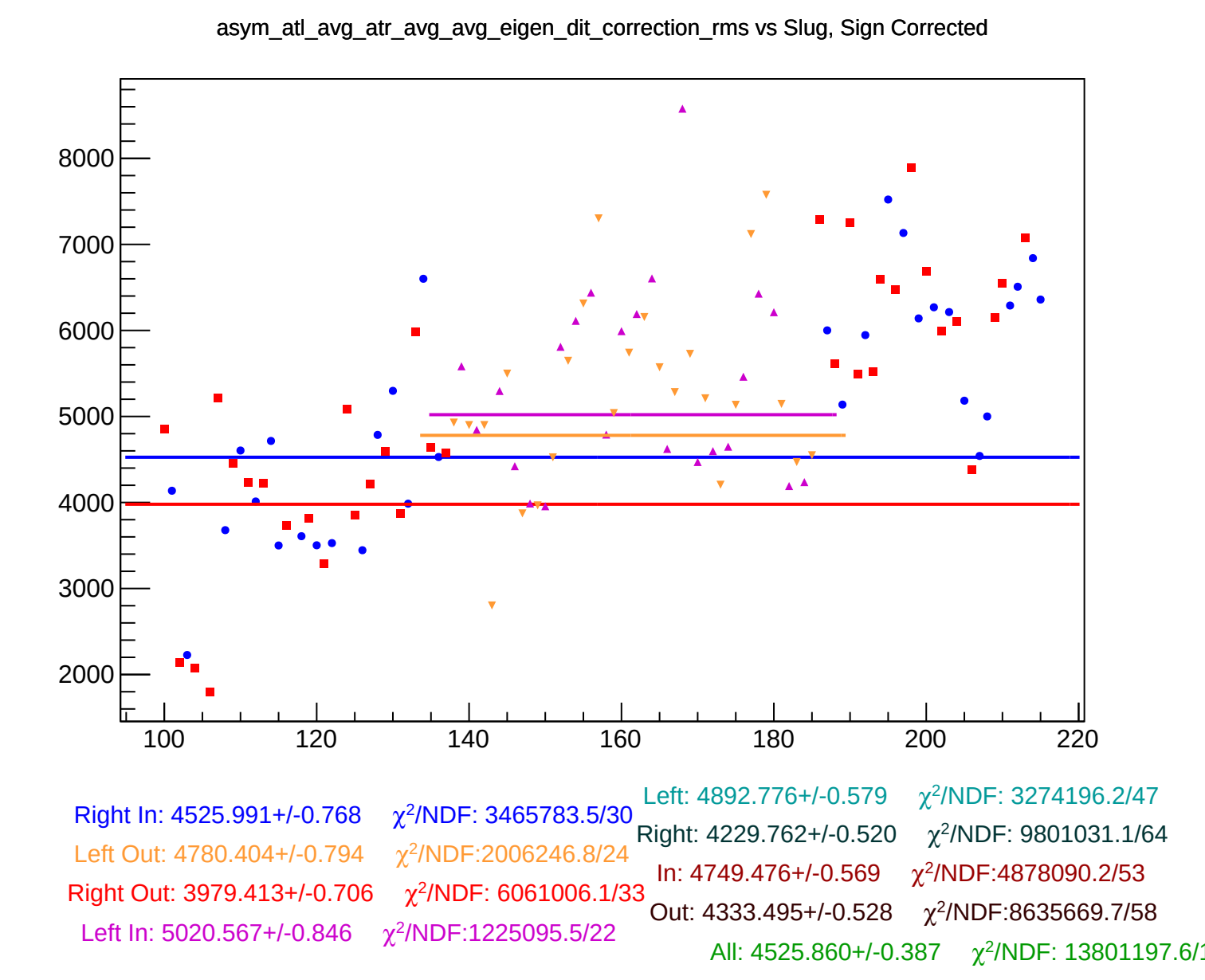
Right: 1331.926+/-0.154 χ^2/NDF: 971473.5/64

In: 1333.887+/-0.154 χ^2/NDF:578547.5/53

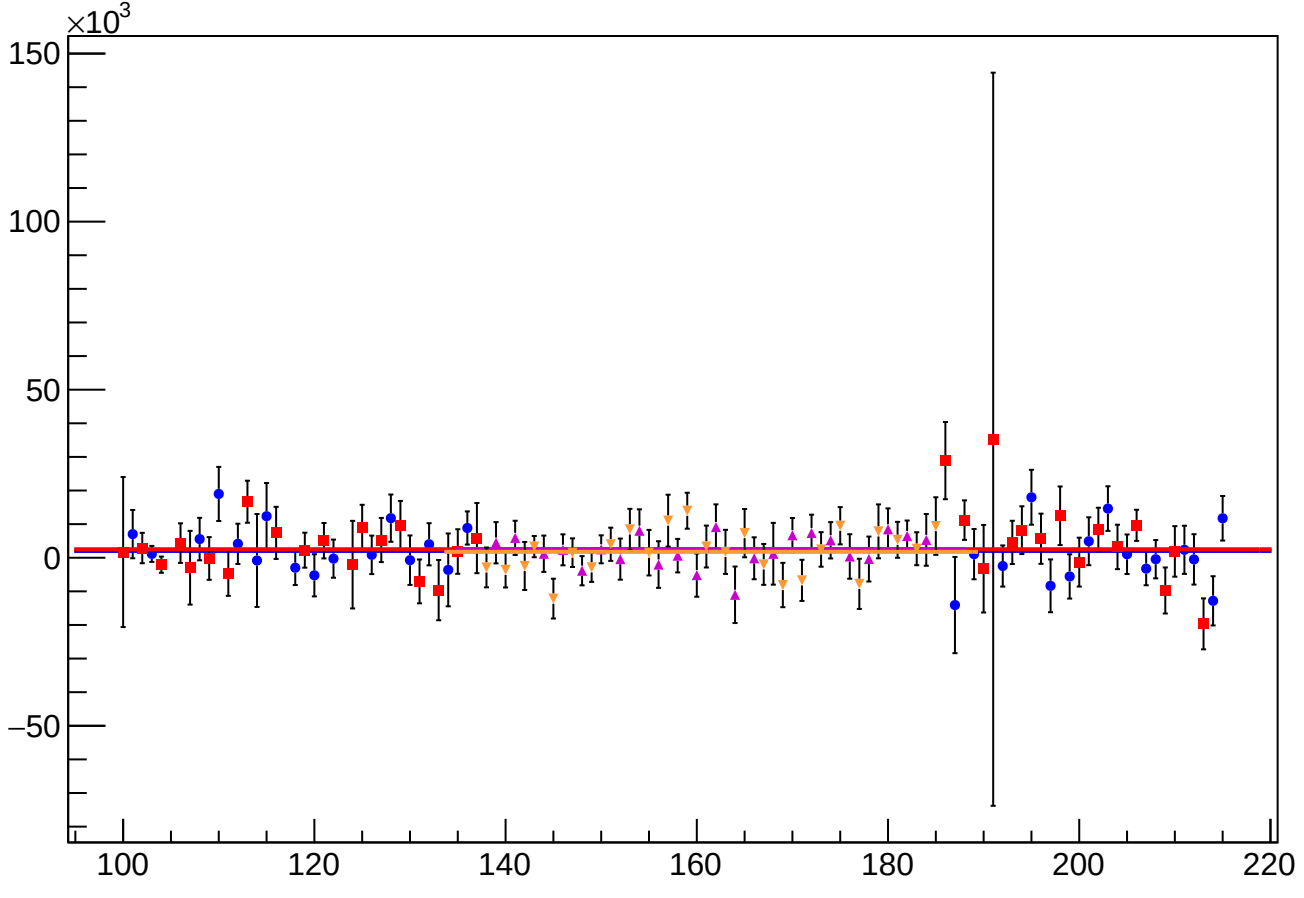
Out: 1326.068+/-0.153 χ^2/NDF:699197.8/58

All: 1329.941+/-0.109 χ^2/NDF: 1279038.9/11


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: 19.148+/-1086.649 χ²/NDF: 35.0/30
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -661.762+/-998.957 χ²/NDF: 43.7/33
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -349.886+/-735.420 χ²/NDF: 78.9/64
In: -112.827+/-804.509 χ²/NDF:48.5/53
Out: -632.214+/-746.178 χ²/NDF:73.2/58
All: -392.030+/-547.088 χ²/NDF: 121.9/112


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: 4525.991+/-0.768 χ²/NDF: 3465783.5/30
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 3979.413+/-0.706 χ²/NDF: 6061006.1/33
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
Left: 4892.776+/-0.579 χ²/NDF: 3274196.2/47
Right: 4229.762+/-0.520 χ²/NDF: 9801031.1/64
In: 4749.476+/-0.569 χ²/NDF:4878090.2/53
Out: 4333.495+/-0.528 χ²/NDF:8635669.7/58
All: 4525.860+/-0.387 χ²/NDF: 13801197.6/

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2027.723+/-1089.047 χ^2/NDF: 33.7/30

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2535.296+/-1087.434 χ^2/NDF: 42.5/33

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

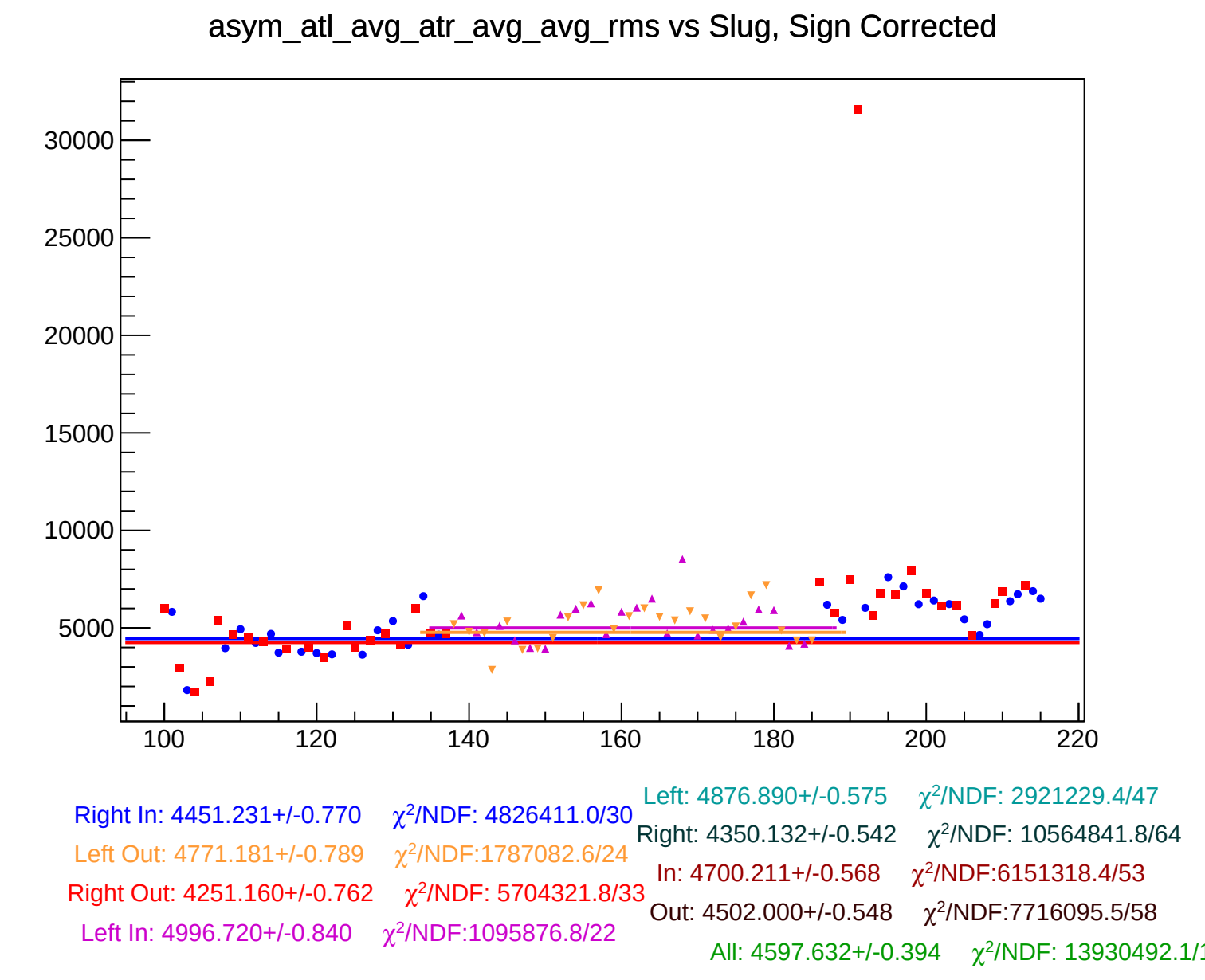
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

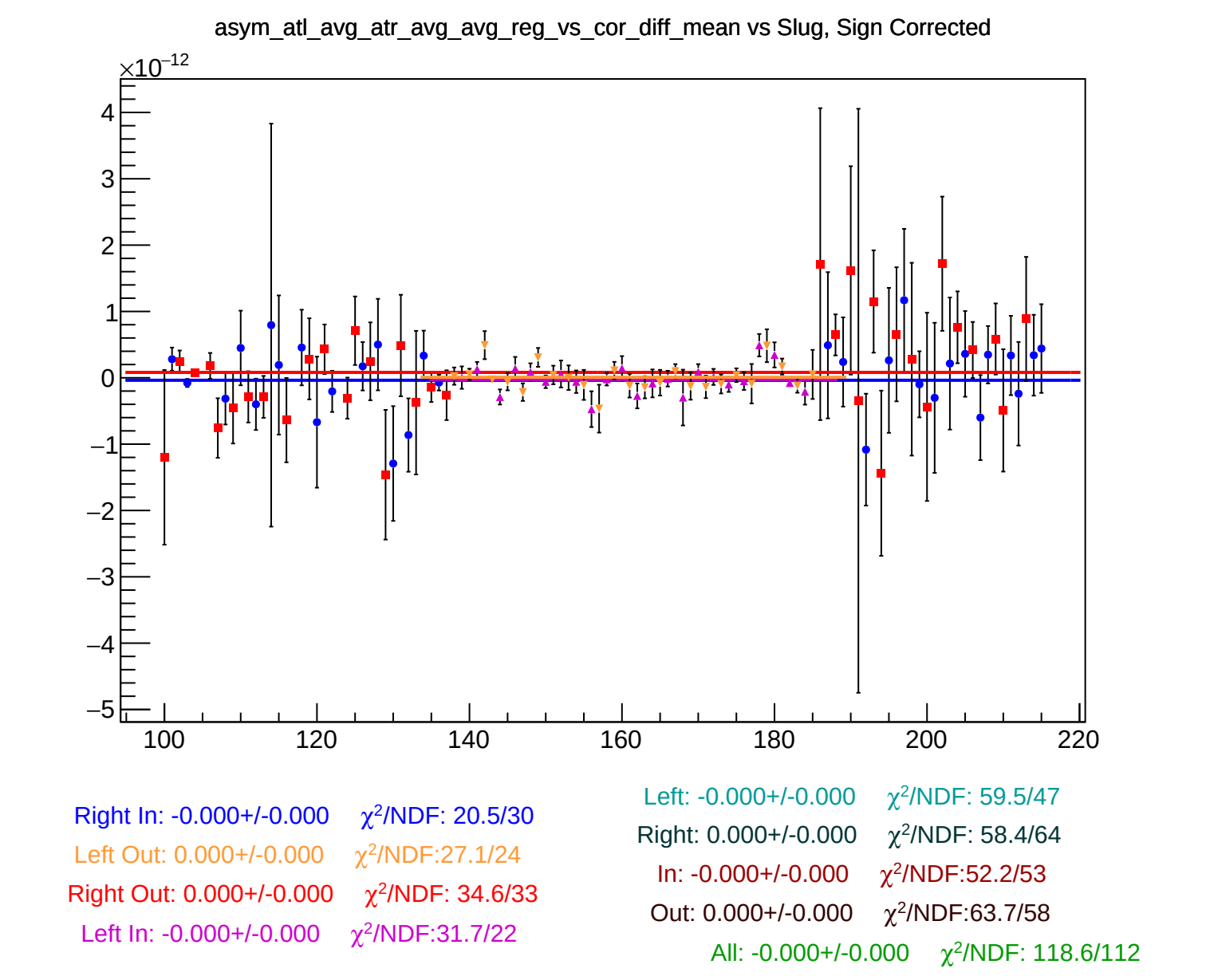
Right: 2281.886+/-769.502 χ^2/NDF: 76.3/64

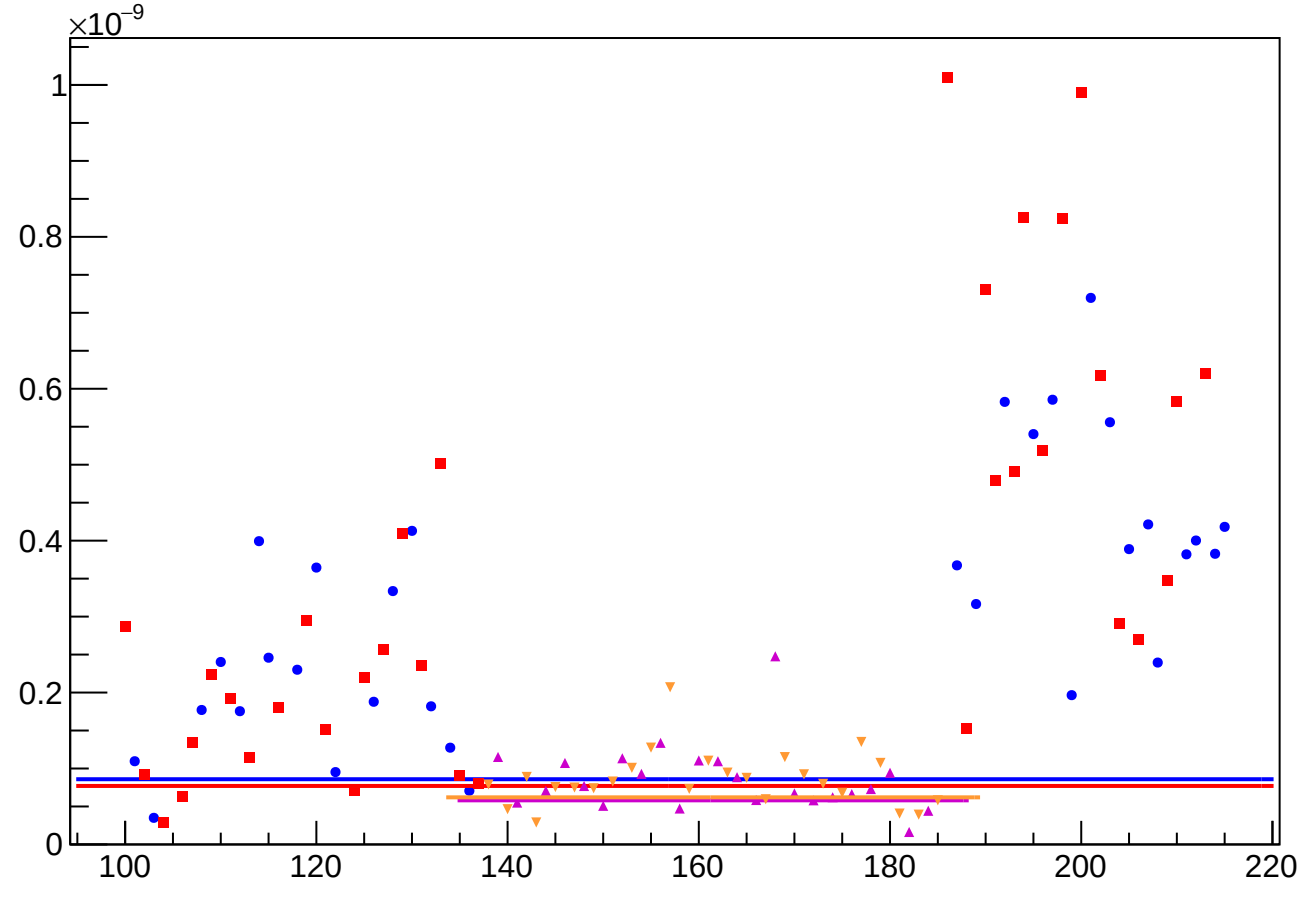
In: 2279.785+/-802.918 χ^2/NDF:47.0/53

Out: 2158.597+/-778.914 χ^2/NDF:70.4/58

All: 2217.353+/-559.069 χ^2/NDF: 117.5/112


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: 4451.231+/-0.770 χ²/NDF: 4826411.0/30
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 4251.160+/-0.762 χ²/NDF: 5704321.8/33
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 4350.132+/-0.542 χ²/NDF: 10564841.8/64
In: 4700.211+/-0.568 χ²/NDF:6151318.4/53
Out: 4502.000+/-0.548 χ²/NDF:7716095.5/58
All: 4597.632+/-0.394 χ²/NDF: 13930492.1/1


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: 20.5/30
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.6/33
Left In: -0.000+/-0.000 χ²/NDF:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/47
Right: 0.000+/-0.000 χ²/NDF: 58.4/64
In: -0.000+/-0.000 χ²/NDF:52.2/53
Out: 0.000+/-0.000 χ²/NDF:63.7/58
All: -0.000+/-0.000 χ²/NDF: 118.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 9000487.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10082484.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

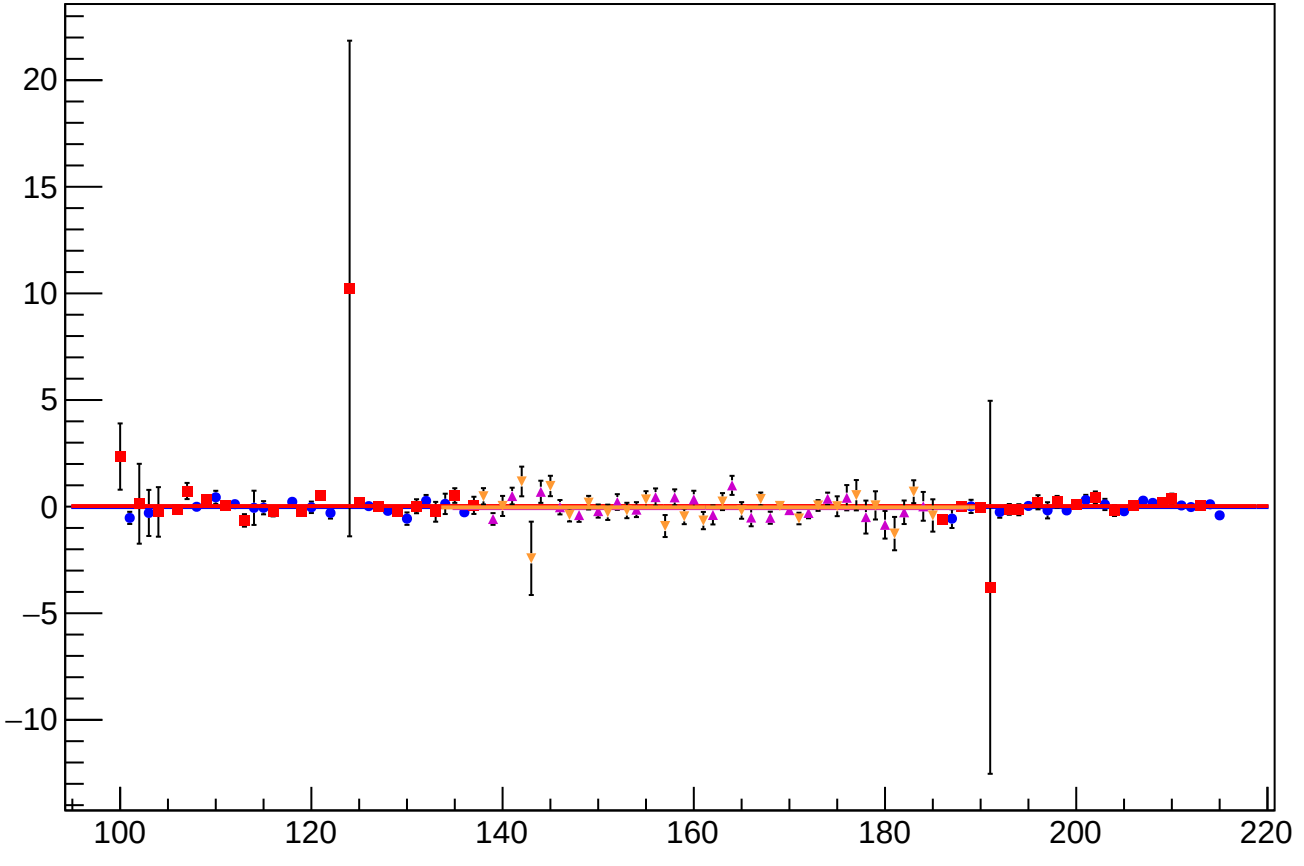
Right: 0.000+/-0.000 χ^2/NDF: 19119350.4/64

In: 0.000+/-0.000 χ^2/NDF:12502967.9/53

Out: 0.000+/-0.000 χ^2/NDF:12687620.9/58

All: 0.000+/-0.000 χ^2/NDF: 25192165.0/112

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.041 χ^2/NDF: 35.3/30

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.027+/-0.041 χ^2/NDF: 43.0/33

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

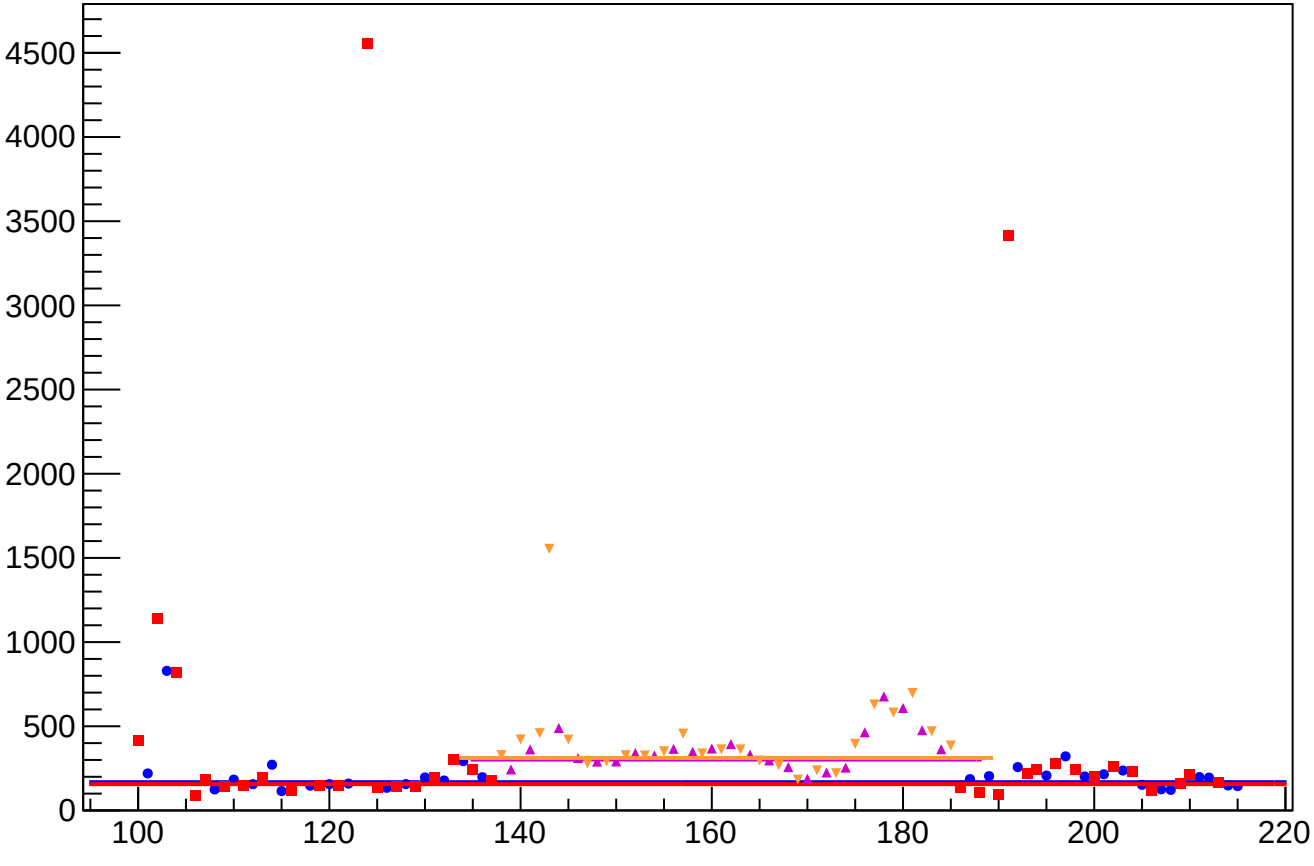
Right: 0.004+/-0.029 χ^2/NDF: 79.0/64

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: -0.009+/-0.025 χ^2/NDF: 142.3/112

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 167.934+/-0.029 χ^2/NDF: 2746635.7/30

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 156.246+/-0.029 χ^2/NDF: 4888974.1/33

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

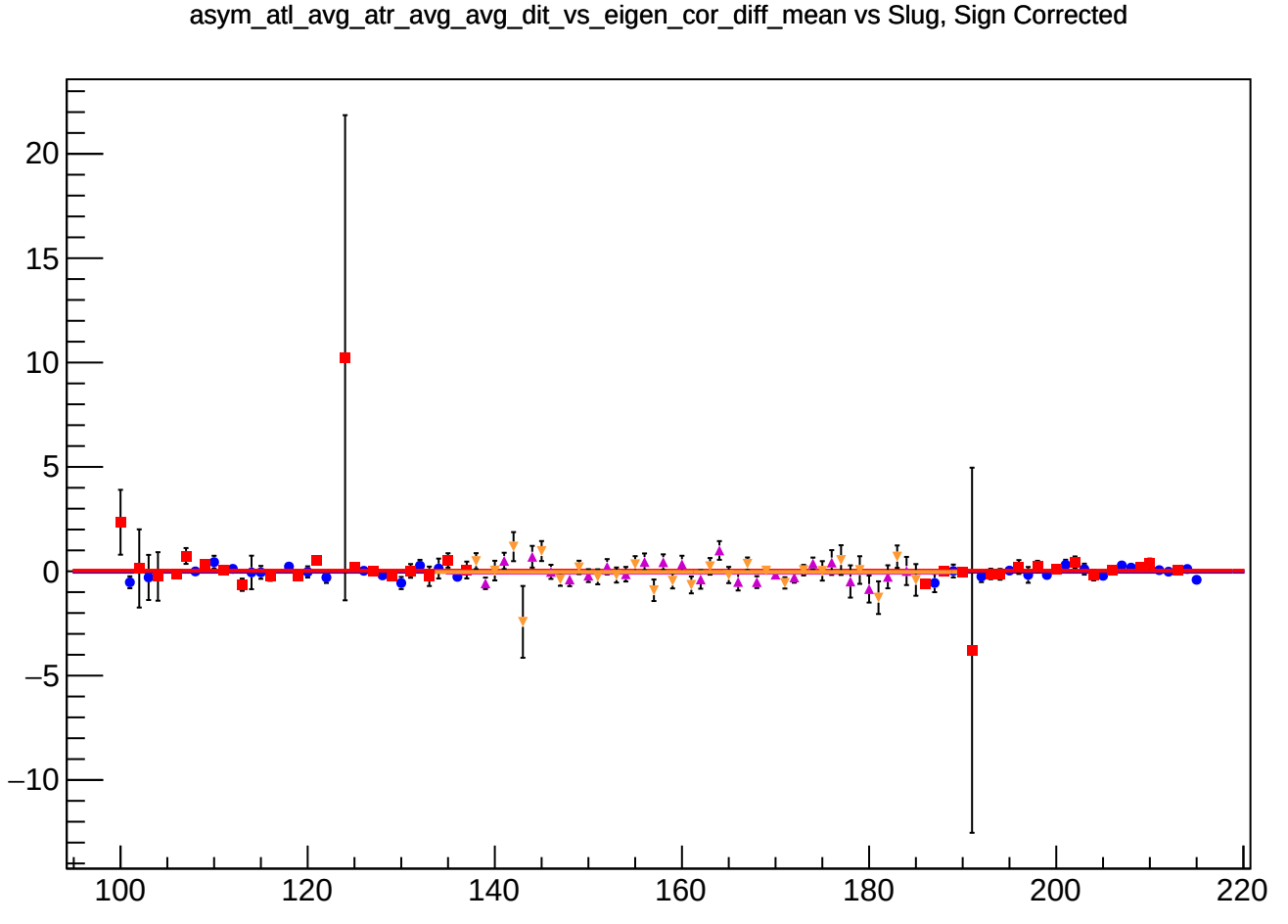
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 161.990+/-0.020 χ^2/NDF: 7717401.8/64

In: 199.187+/-0.026 χ^2/NDF:10501660.5/53

Out: 190.236+/-0.025 χ^2/NDF:15687392.3/58

All: 194.676+/-0.018 χ^2/NDF: 26250980.0/11



Right In: -0.021+/-0.041 χ^2/NDF: 35.3/30

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.027+/-0.041 χ^2/NDF: 43.0/33

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

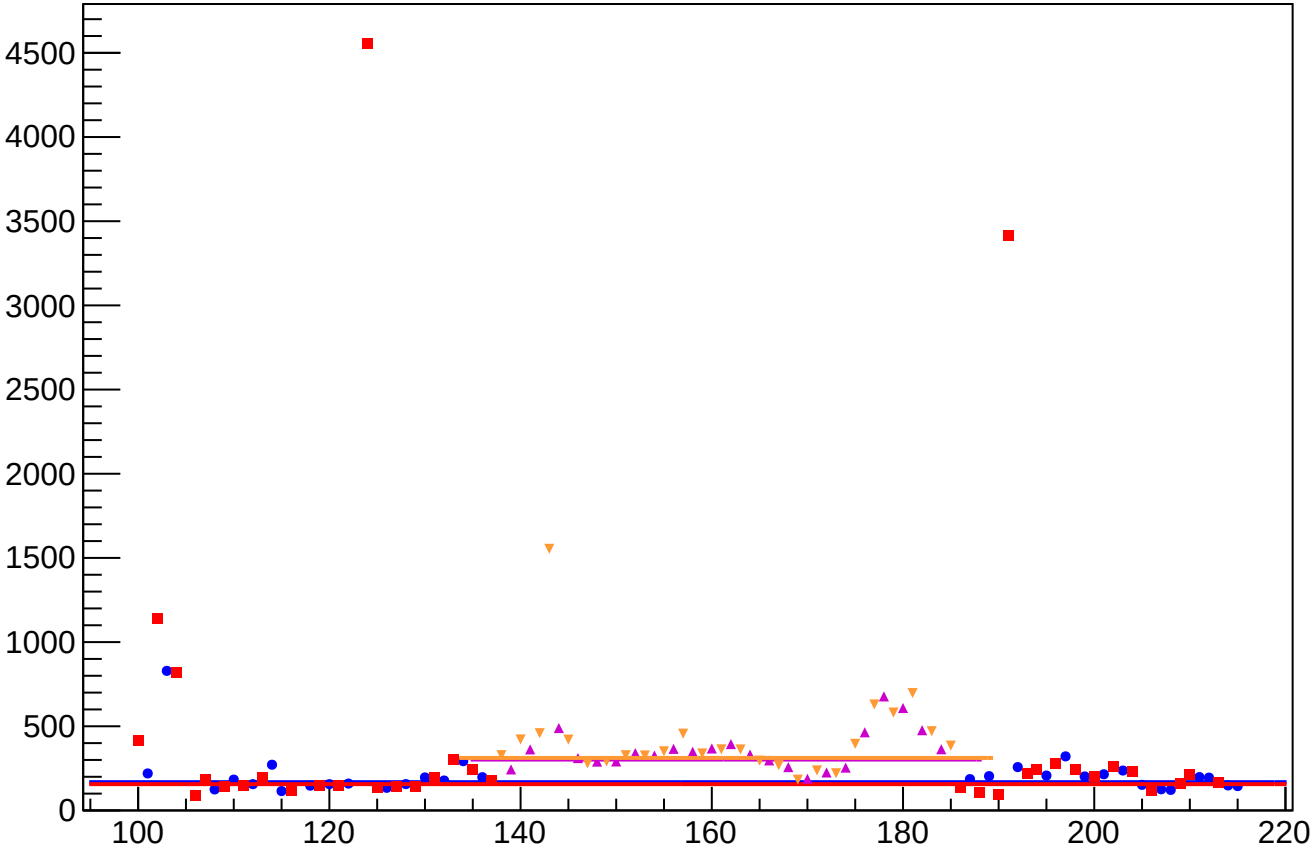
Right: 0.004+/-0.029 χ^2/NDF: 79.0/64

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: -0.009+/-0.025 χ^2/NDF: 142.3/112

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 167.934+/-0.029 χ^2/NDF: 2746635.7/30

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 156.246+/-0.029 χ^2/NDF: 4888974.1/33

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

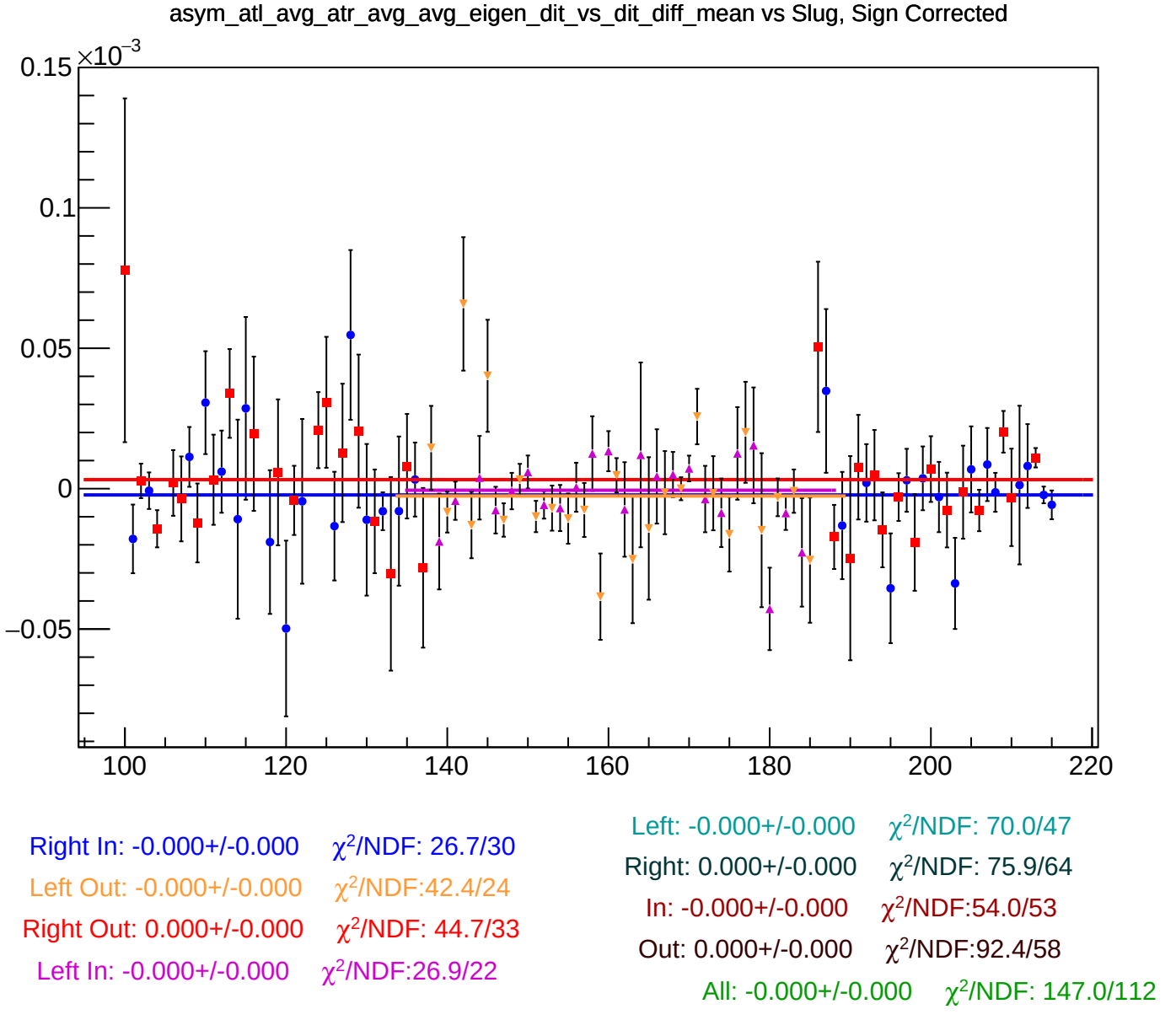
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 161.990+/-0.020 χ^2/NDF: 7717401.8/64

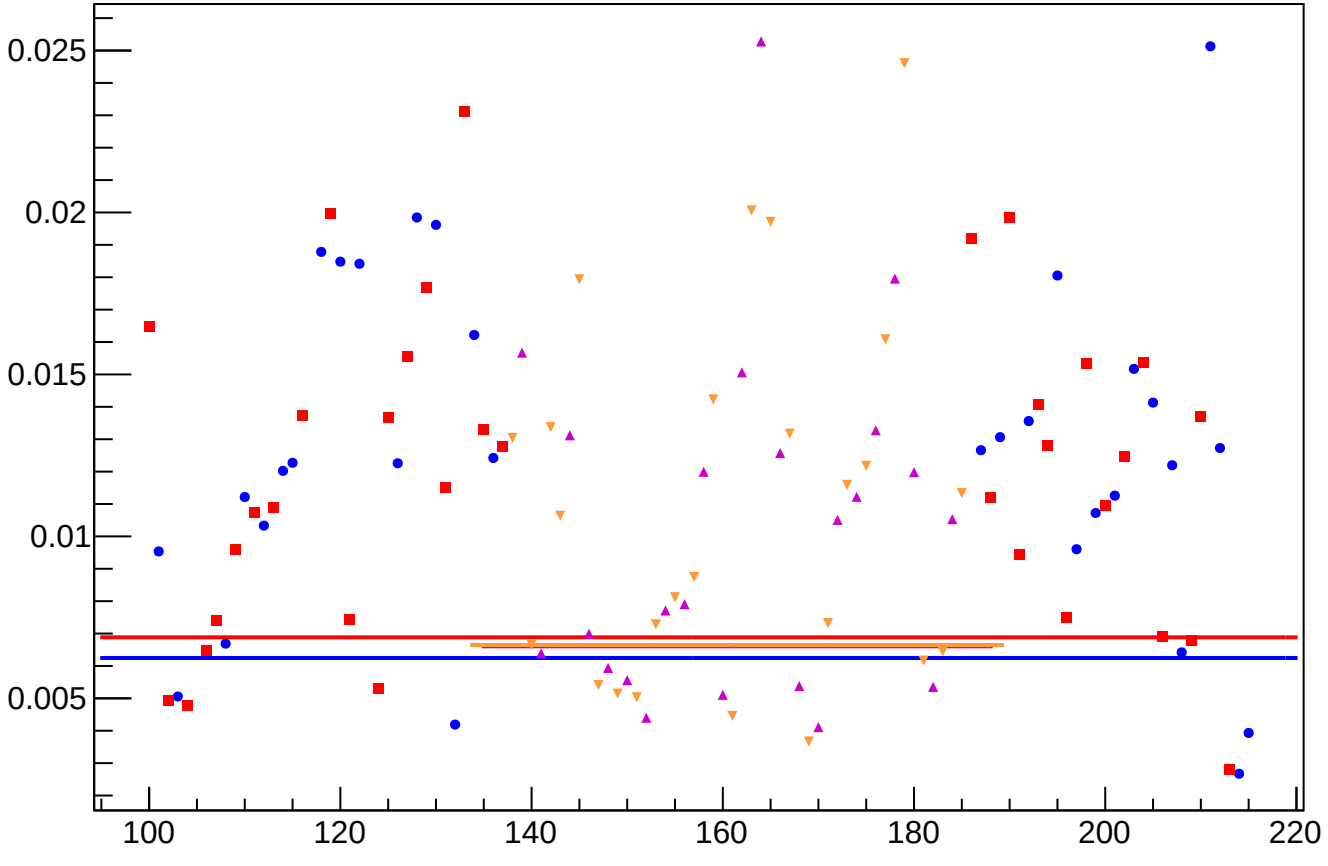
In: 199.187+/-0.026 χ^2/NDF:10501660.5/53

Out: 190.236+/-0.025 χ^2/NDF:15687392.3/58

All: 194.676+/-0.018 χ^2/NDF: 26250980.0/11


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 26.7/30
Left Out: -0.000+/-0.000 χ²/NDF:42.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.7/33
Left In: -0.000+/-0.000 χ²/NDF:26.9/22
Left: -0.000+/-0.000 χ²/NDF: 70.0/47
Right: 0.000+/-0.000 χ²/NDF: 75.9/64
In: -0.000+/-0.000 χ²/NDF:54.0/53
Out: 0.000+/-0.000 χ²/NDF:92.4/58
All: -0.000+/-0.000 χ²/NDF: 147.0/112

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: 12314759.6/30

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 9444282.8/33

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

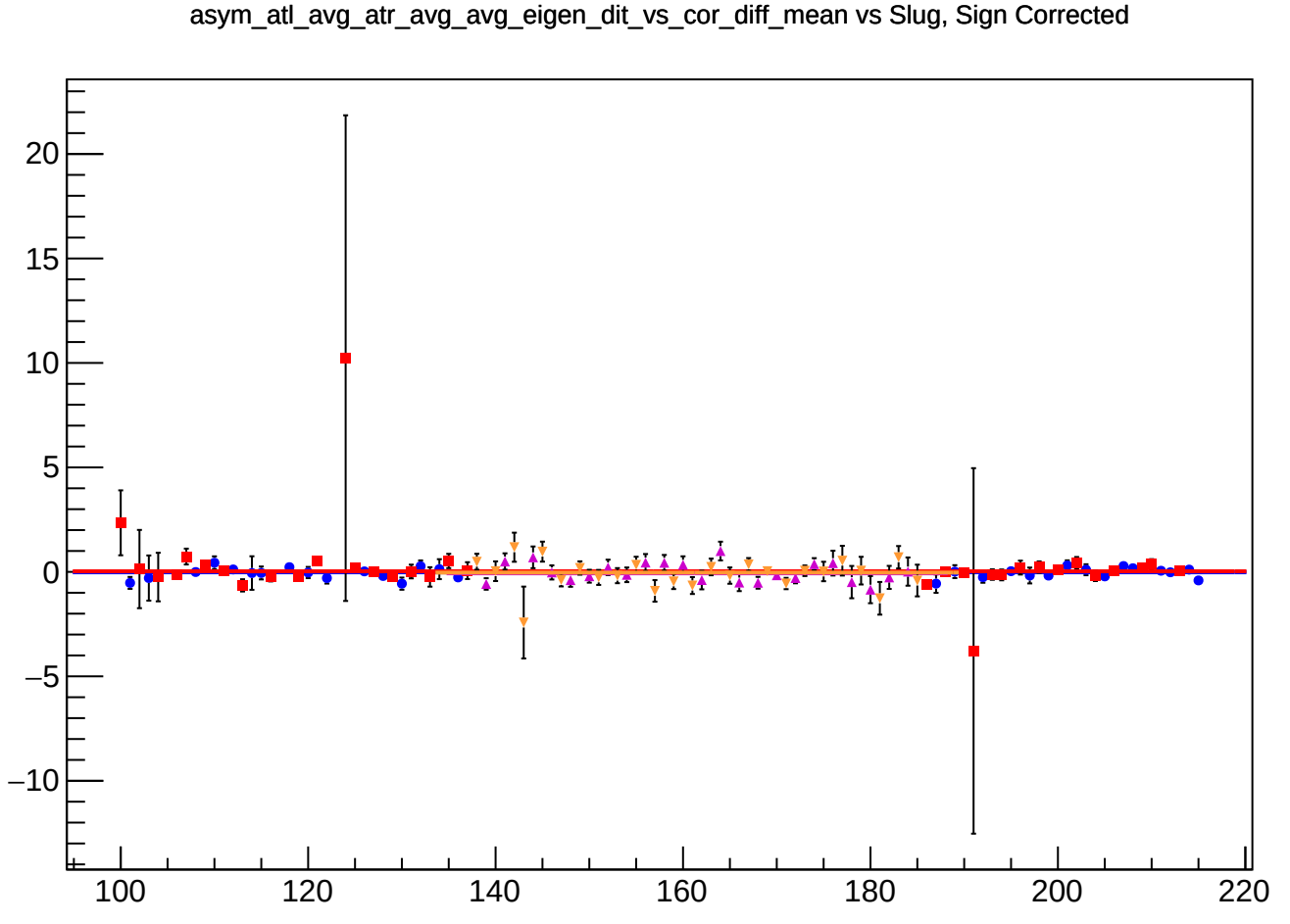
Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

Right: 0.007+/-0.000 χ^2/NDF: 21879168.5/64

In: 0.006+/-0.000 χ^2/NDF:18211167.7/53

Out: 0.007+/-0.000 χ^2/NDF:16975225.1/58

All: 0.007+/-0.000 χ^2/NDF: 35253219.2/112



Right In: -0.021+/-0.041 χ^2/NDF: 35.3/30

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.027+/-0.041 χ^2/NDF: 43.0/33

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

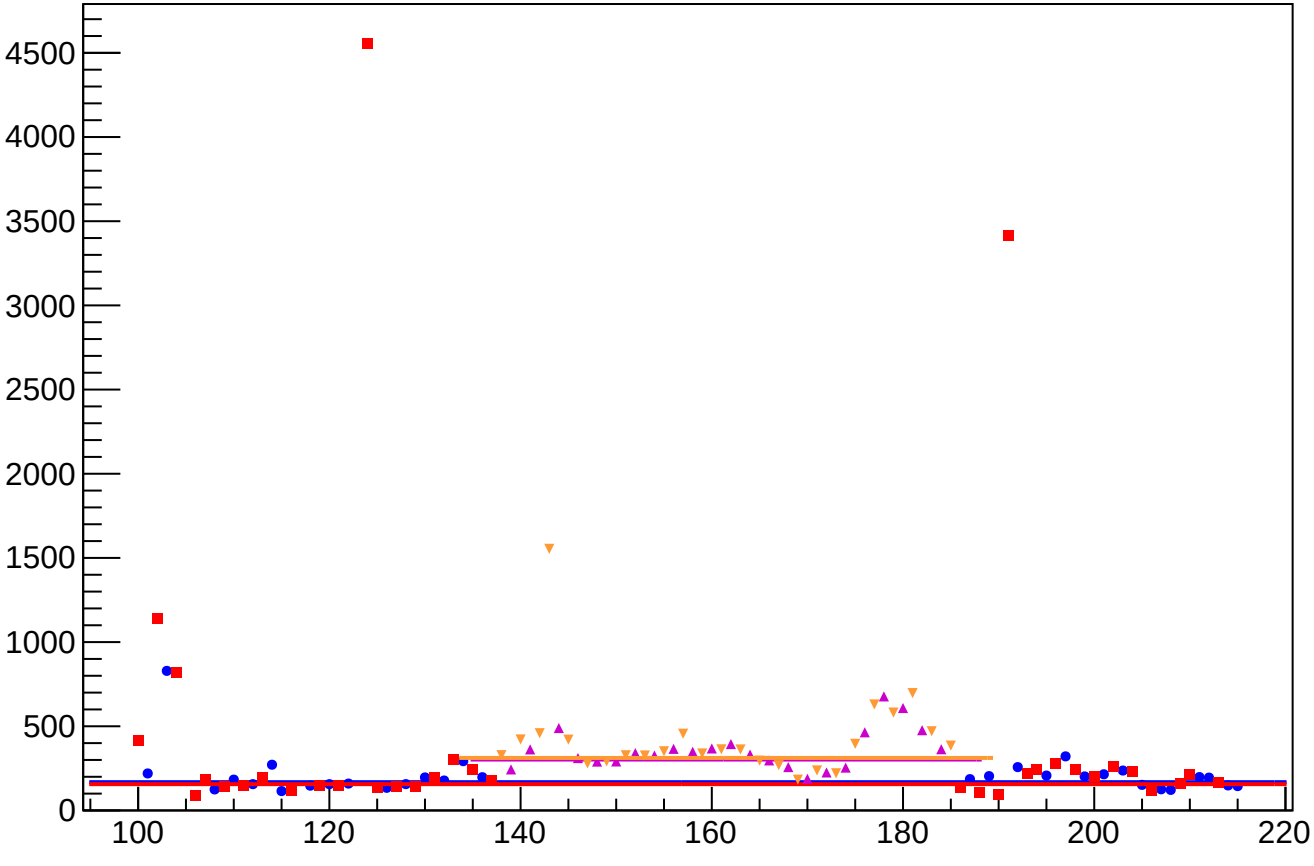
Right: 0.004+/-0.029 χ^2/NDF: 79.0/64

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: -0.009+/-0.025 χ^2/NDF: 142.3/112

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 167.933+/-0.029 χ^2/NDF: 2746705.3/30

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 156.243+/-0.029 χ^2/NDF: 4889194.2/33

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

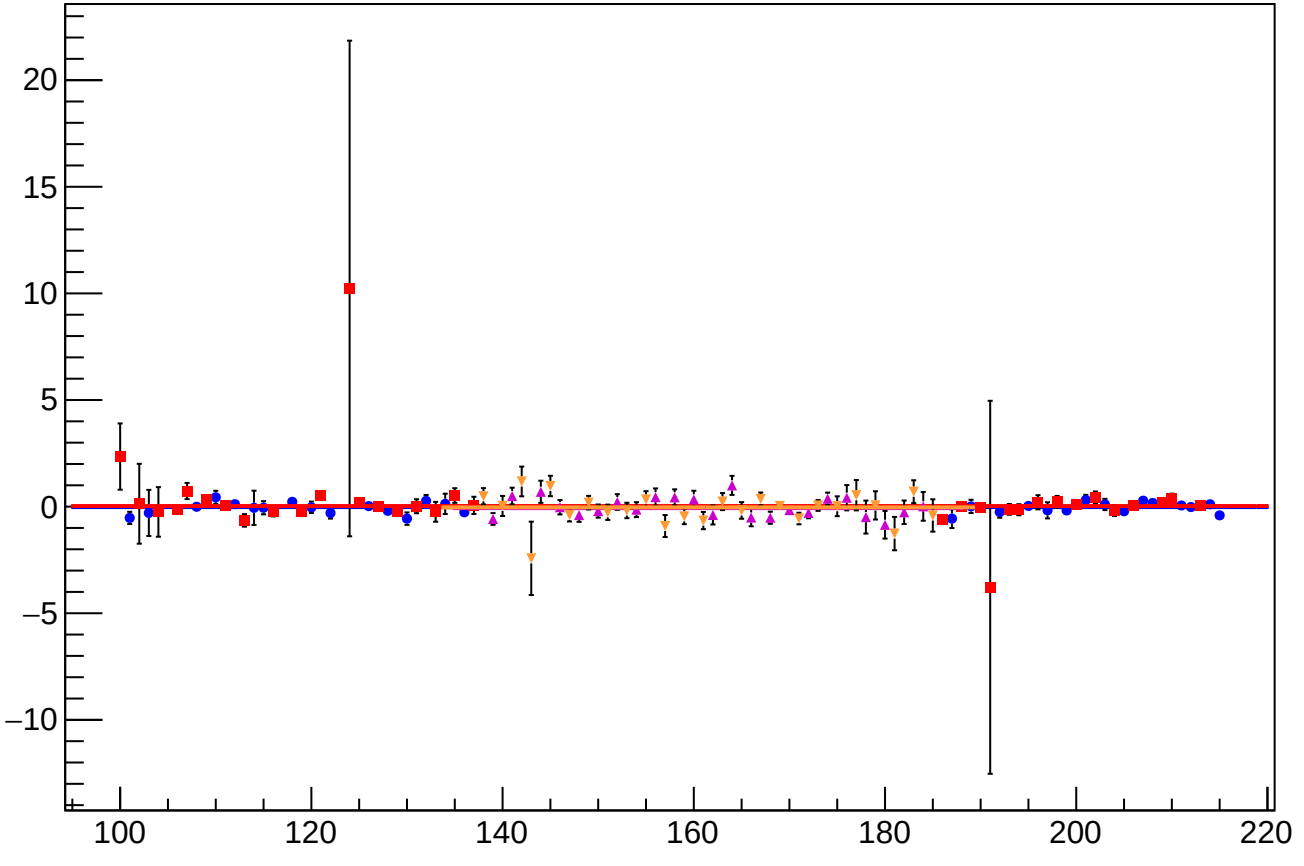
Right: 161.988+/-0.020 χ^2/NDF: 7717720.5/64

In: 199.186+/-0.026 χ^2/NDF:10502009.9/53

Out: 190.233+/-0.025 χ^2/NDF:15688093.4/58

All: 194.674+/-0.018 χ^2/NDF: 26252061.7/11

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.041 χ^2/NDF: 35.3/30

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.027+/-0.041 χ^2/NDF: 43.0/33

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

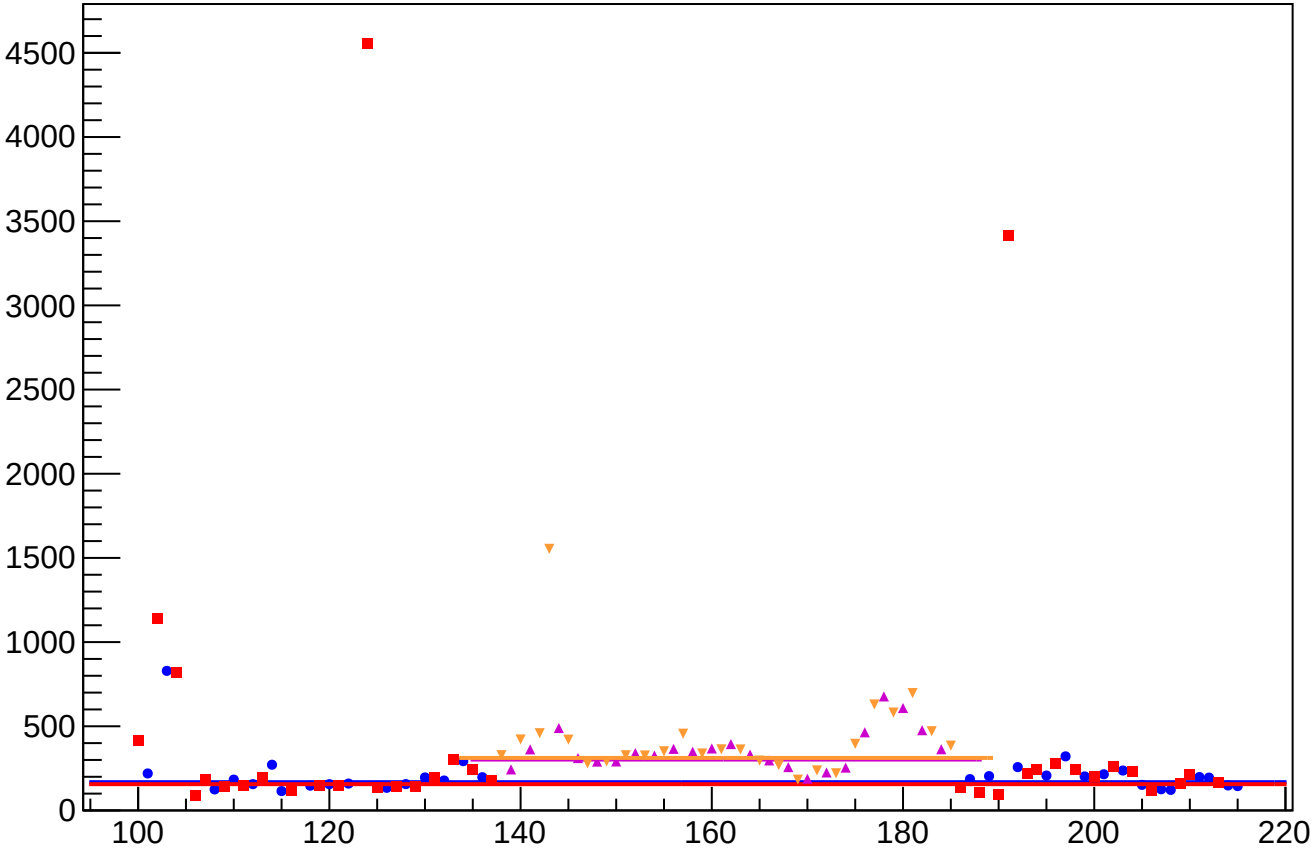
Right: 0.004+/-0.029 χ^2/NDF: 79.0/64

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.014+/-0.036 χ^2/NDF:76.0/58

All: -0.009+/-0.025 χ^2/NDF: 142.3/112

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 167.933+/-0.029 χ^2/NDF: 2746705.3/30

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 156.243+/-0.029 χ^2/NDF: 4889194.2/33

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

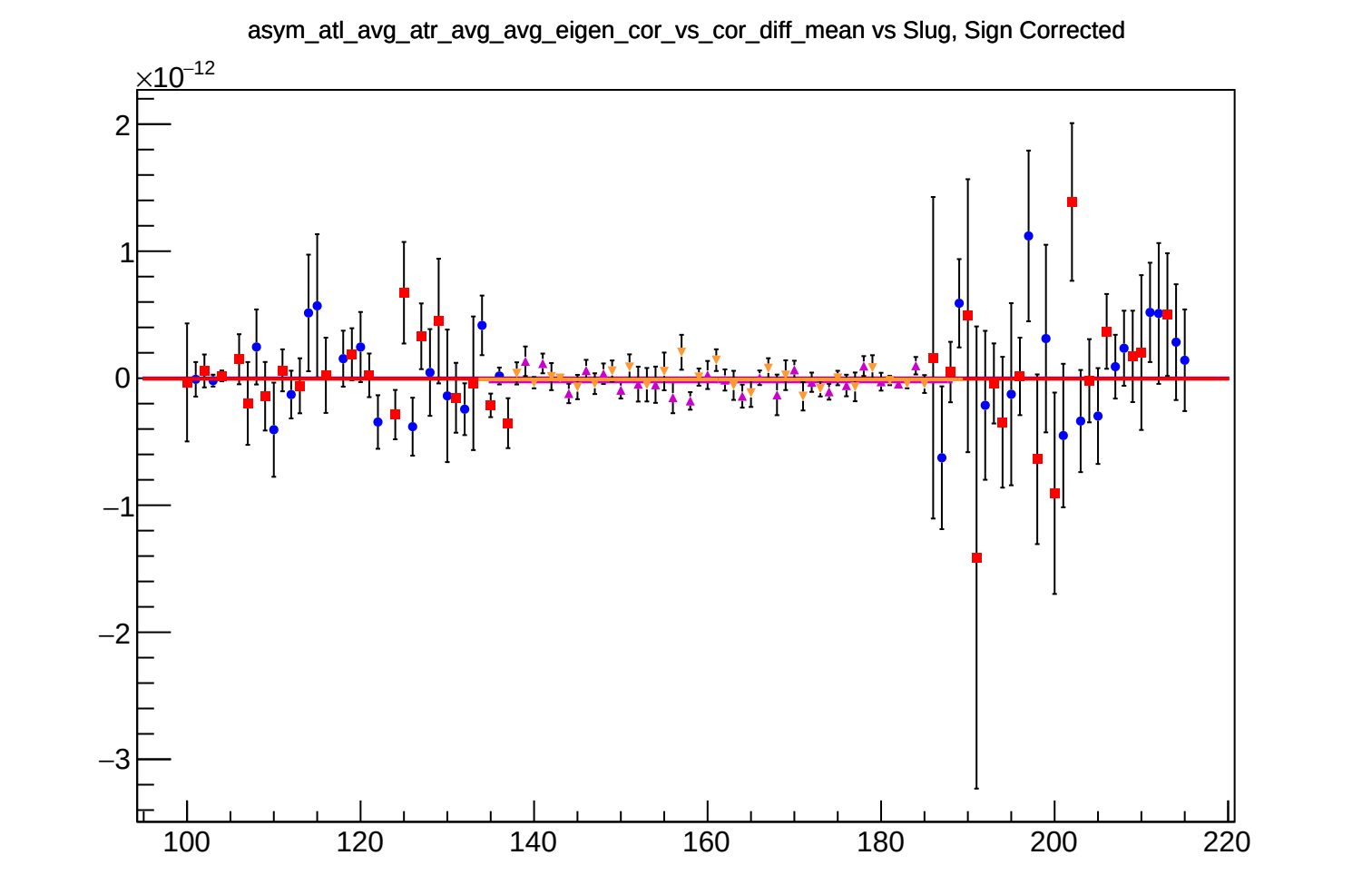
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 161.988+/-0.020 χ^2/NDF: 7717720.5/64

In: 199.186+/-0.026 χ^2/NDF:10502009.9/53

Out: 190.233+/-0.025 χ^2/NDF:15688093.4/58

All: 194.674+/-0.018 χ^2/NDF: 26252061.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/33

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

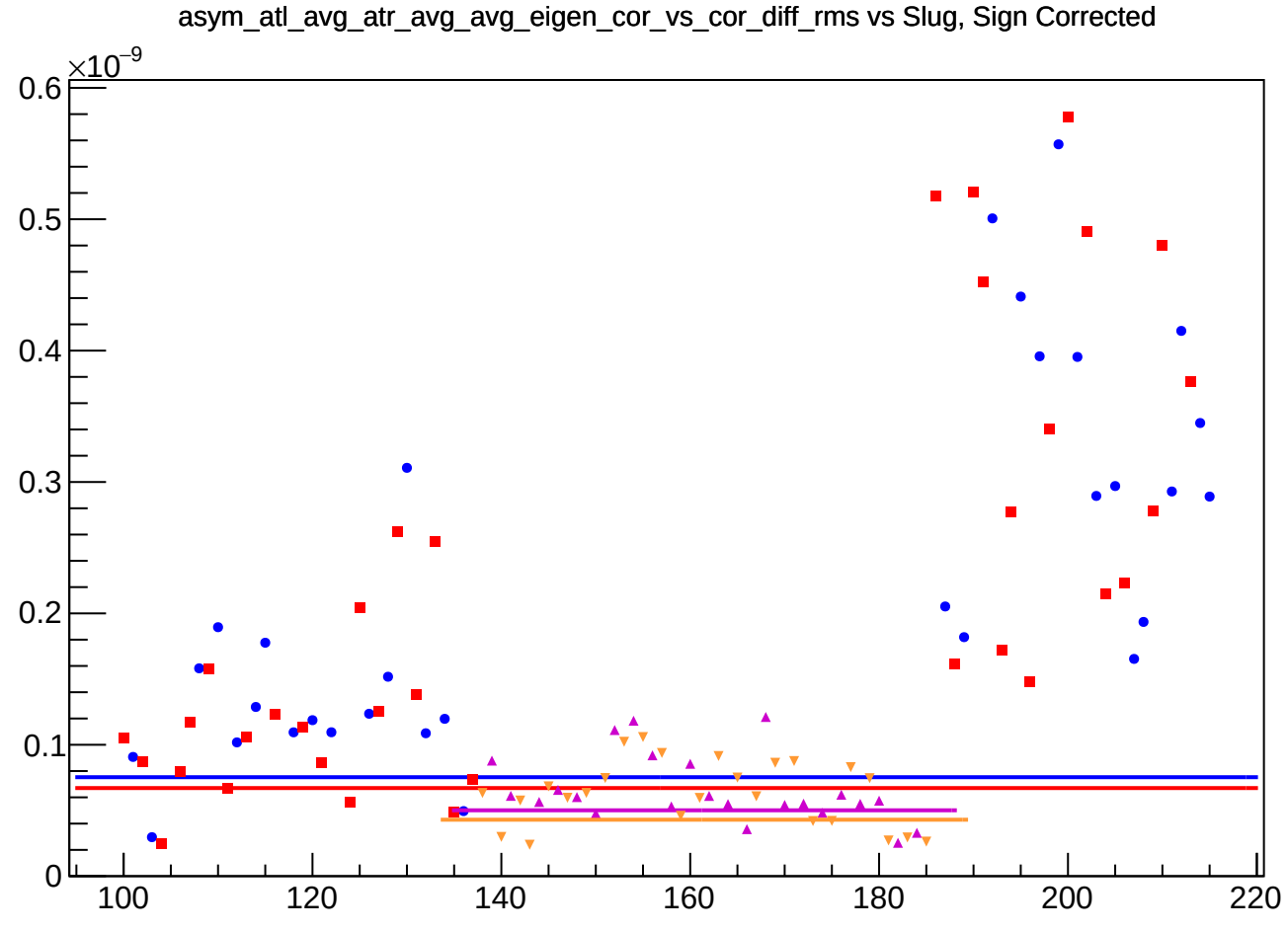
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 59.9/64

In: -0.000+/-0.000 χ^2/NDF:57.5/53

Out: -0.000+/-0.000 χ^2/NDF:46.8/58

All: -0.000+/-0.000 χ^2/NDF: 104.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 11873577.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10939604.6/33

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

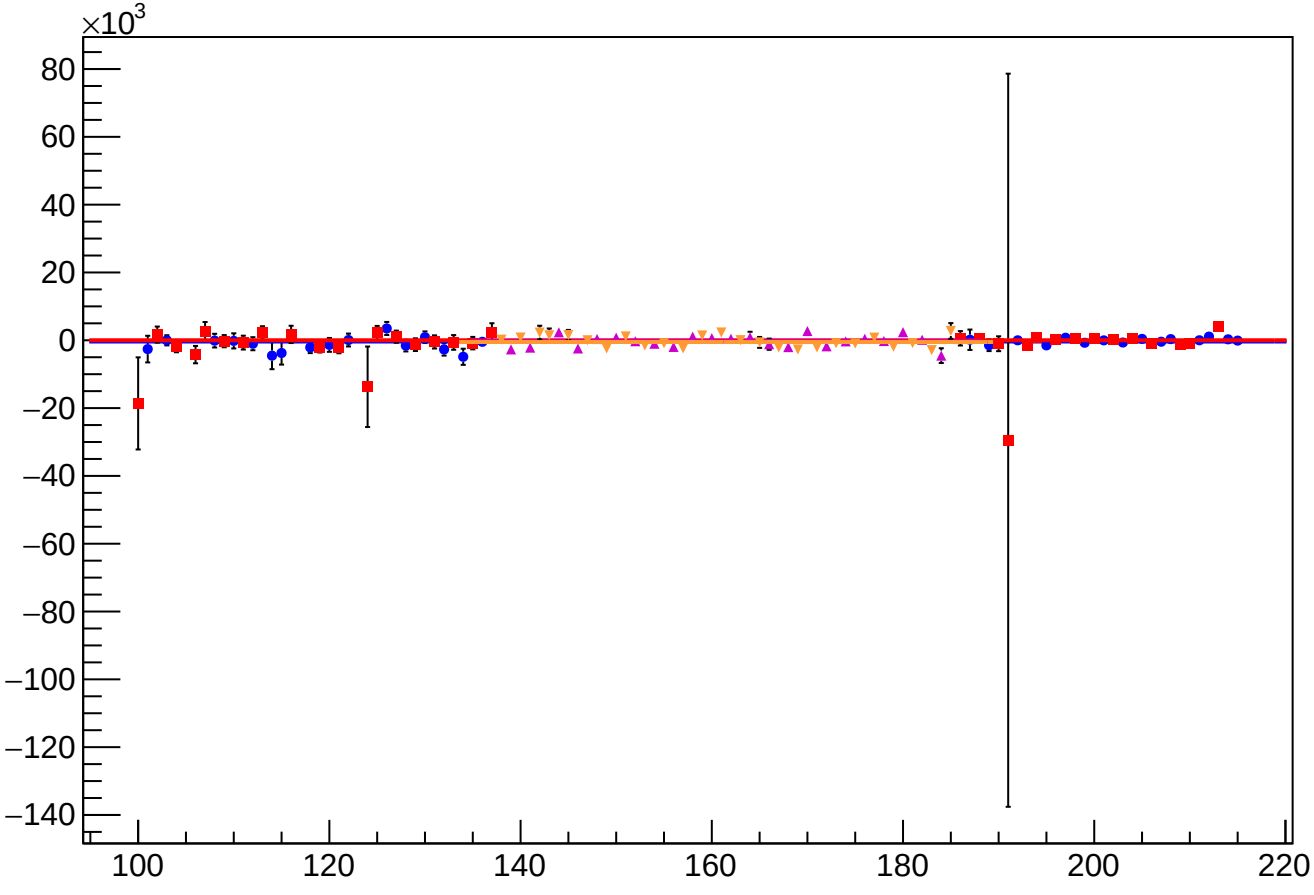
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 22884838.2/64

In: 0.000+/-0.000 χ^2/NDF:16521419.9/53

Out: 0.000+/-0.000 χ^2/NDF:17074665.0/58

All: 0.000+/-0.000 χ^2/NDF: 33970853.1/112



Right In: -361.129+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 4.501+/-299.265 χ^2/NDF: 29.8/33

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

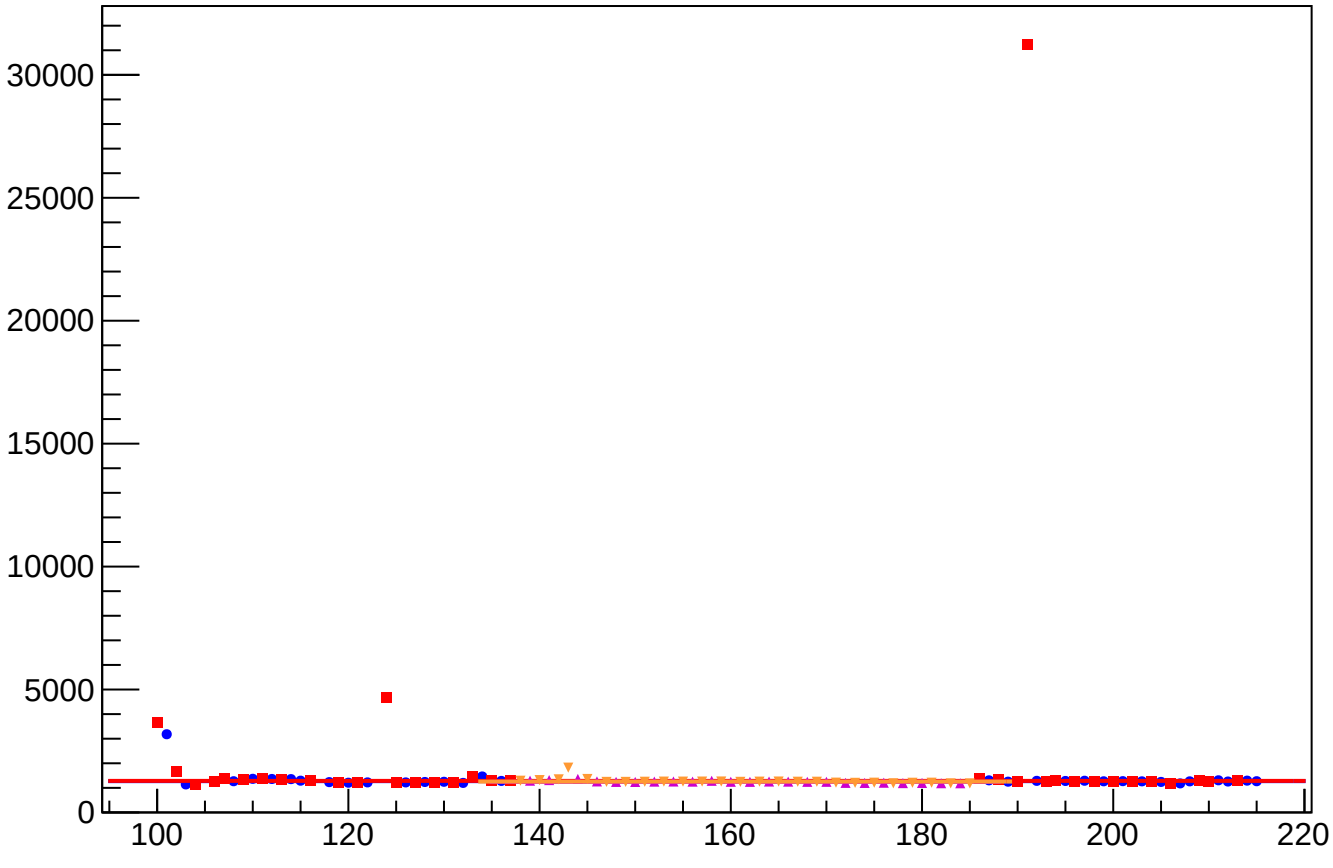
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -182.789+/-209.006 χ^2/NDF: 48.8/64

In: -301.733+/-206.189 χ^2/NDF:50.4/53

Out: -266.799+/-206.742 χ^2/NDF:62.3/58

All: -284.312+/-145.993 χ^2/NDF: 112.6/112



Right In: 1273.339+/-0.206 χ^2/NDF: 534165.5/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1283.846+/-0.212 χ^2/NDF: 507659.6/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

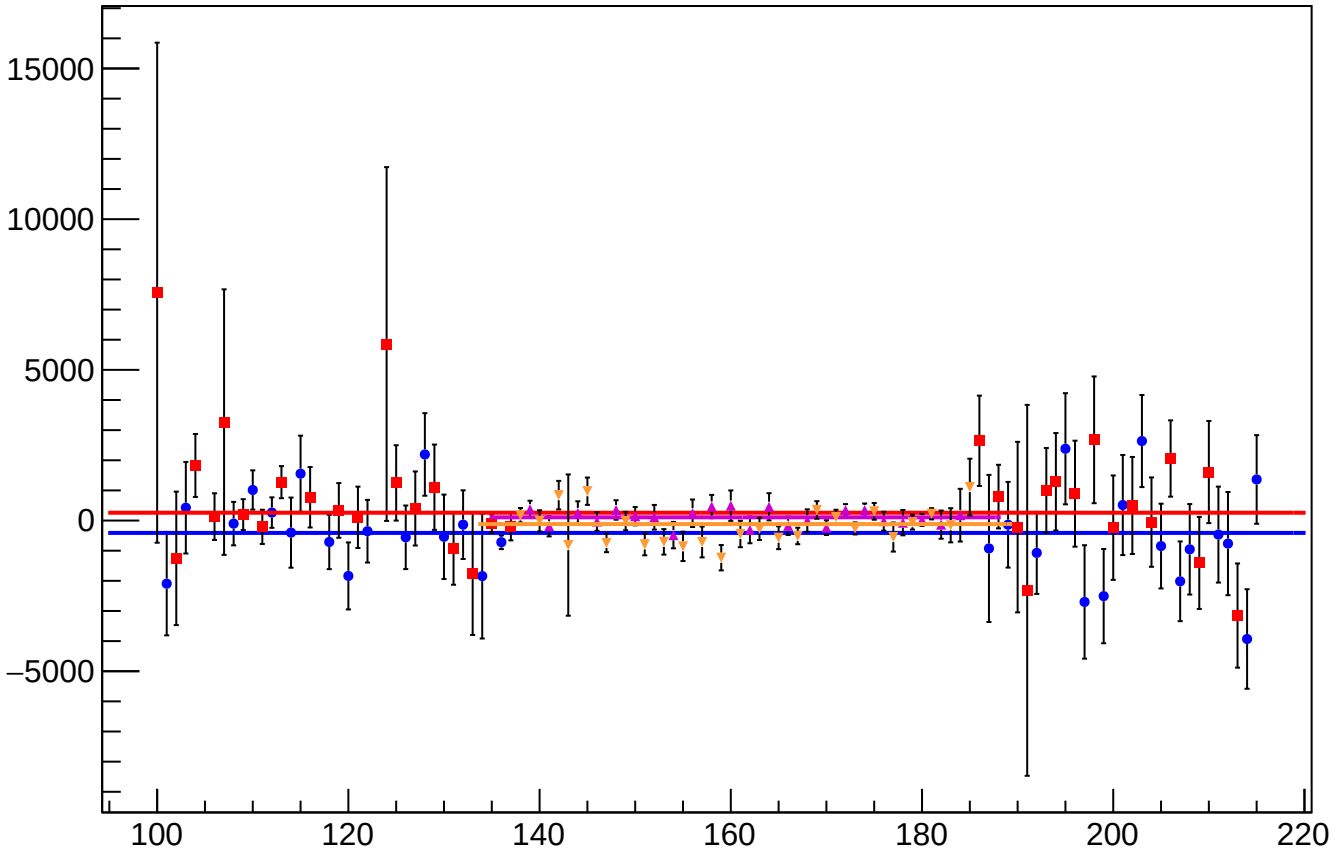
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.464+/-0.148 χ^2/NDF: 1043087.8/64

In: 1259.807+/-0.146 χ^2/NDF:582586.3/53

Out: 1269.035+/-0.146 χ^2/NDF:720154.2/58

All: 1264.409+/-0.103 χ^2/NDF: 1304738.3/11



Right In: -410.326+/-155.400 χ^2/NDF: 36.1/30

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 259.769+/-156.900 χ^2/NDF: 27.8/33

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

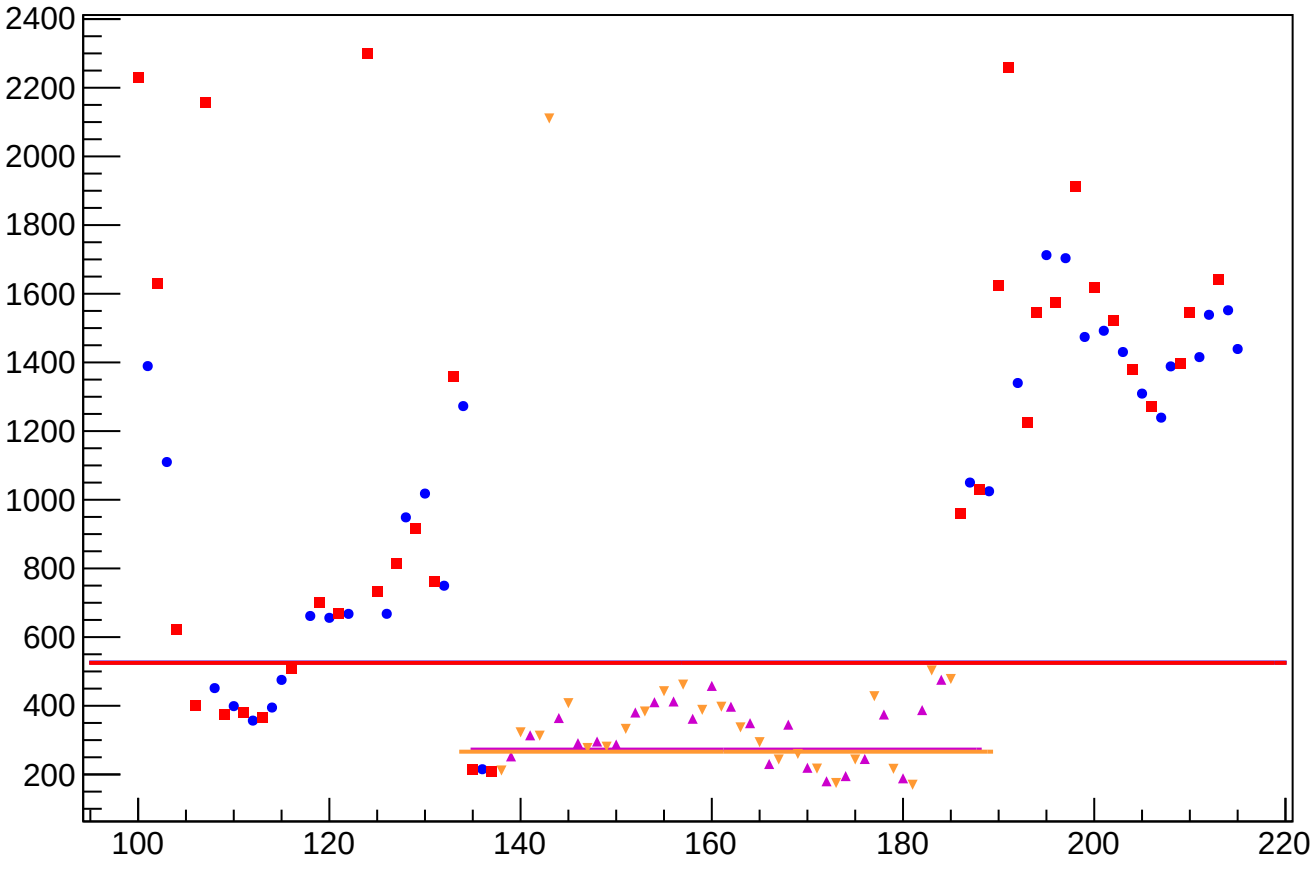
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -78.498+/-110.411 χ^2/NDF: 73.2/64

In: 26.196+/-61.526 χ^2/NDF:59.2/53

Out: -61.748+/-60.097 χ^2/NDF:81.2/58

All: -18.809+/-42.991 χ^2/NDF: 141.5/112



Right In: 525.804+/-0.110 χ^2/NDF: 15268100.9/30

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 525.002+/-0.111 χ^2/NDF: 14551589.6/33

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

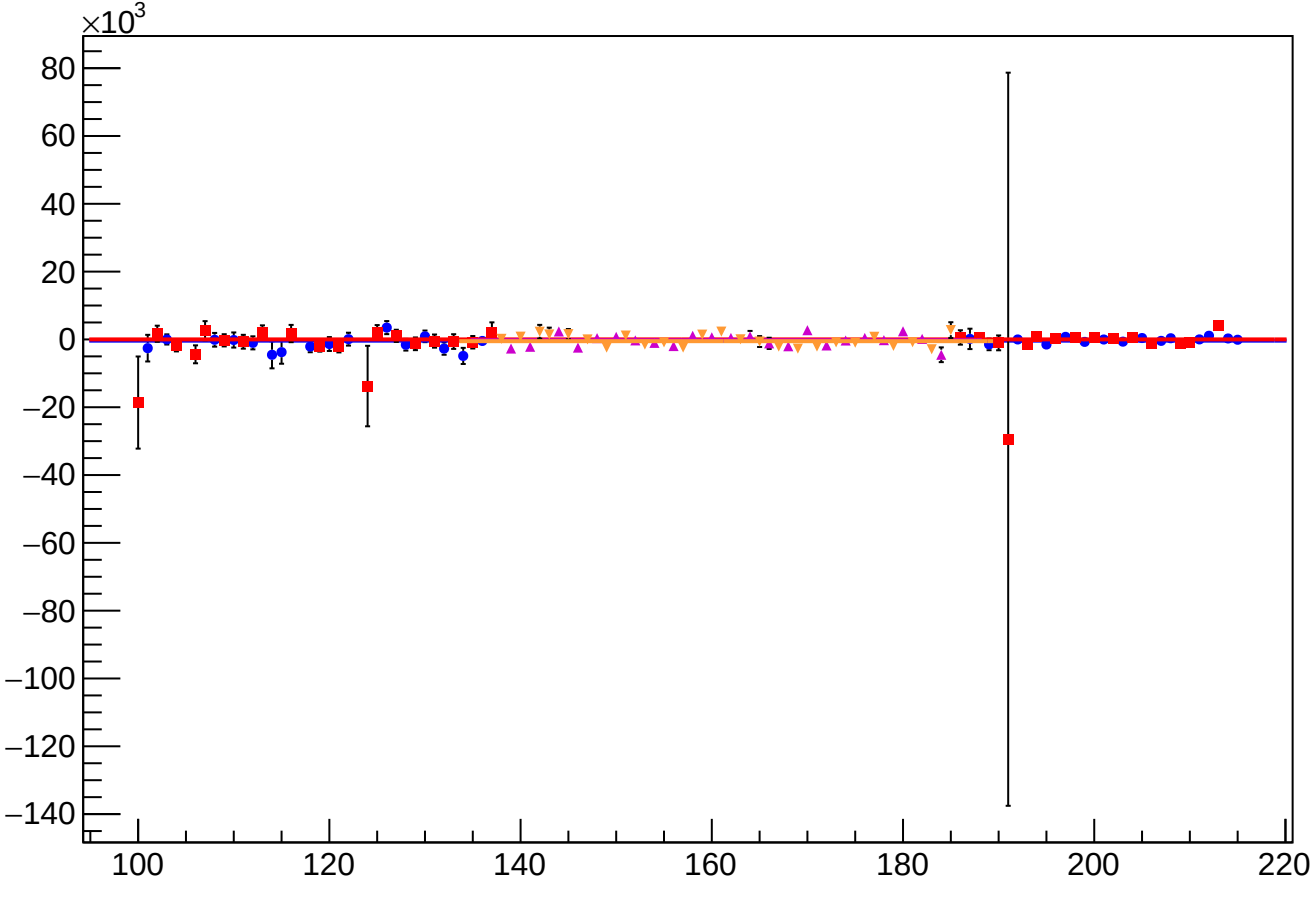
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 525.407+/-0.078 χ^2/NDF: 29819717.0/64

In: 312.095+/-0.044 χ^2/NDF:22641549.1/53

Out: 304.272+/-0.042 χ^2/NDF:23820539.9/58

All: 308.092+/-0.030 χ^2/NDF: 46478634.5/1



Right In: -360.995+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 5.775+/-299.387 χ^2/NDF: 29.8/33

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

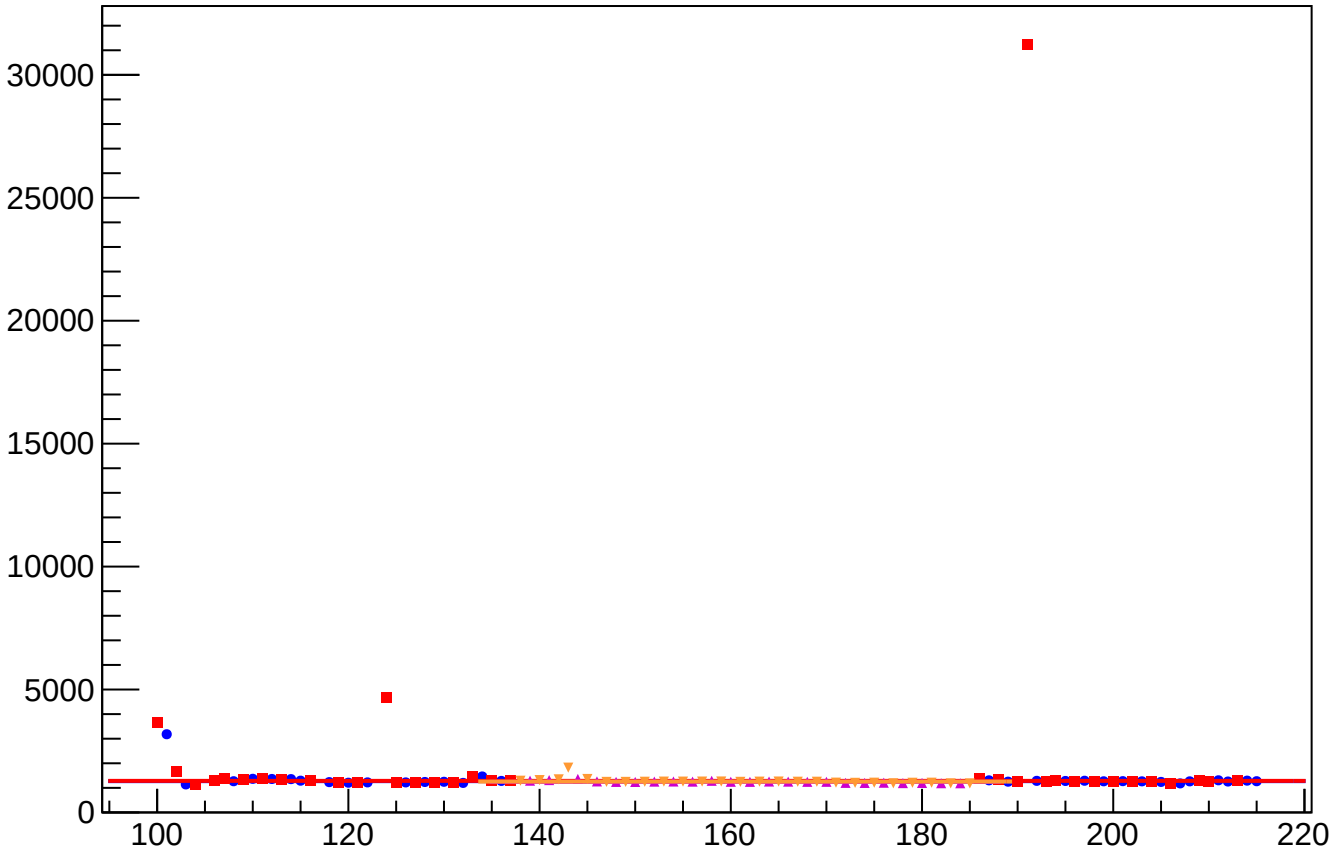
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -182.174+/-209.048 χ^2/NDF: 48.8/64

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -284.012+/-146.007 χ^2/NDF: 112.7/112



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.386+/-0.212 χ^2/NDF: 507636.9/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

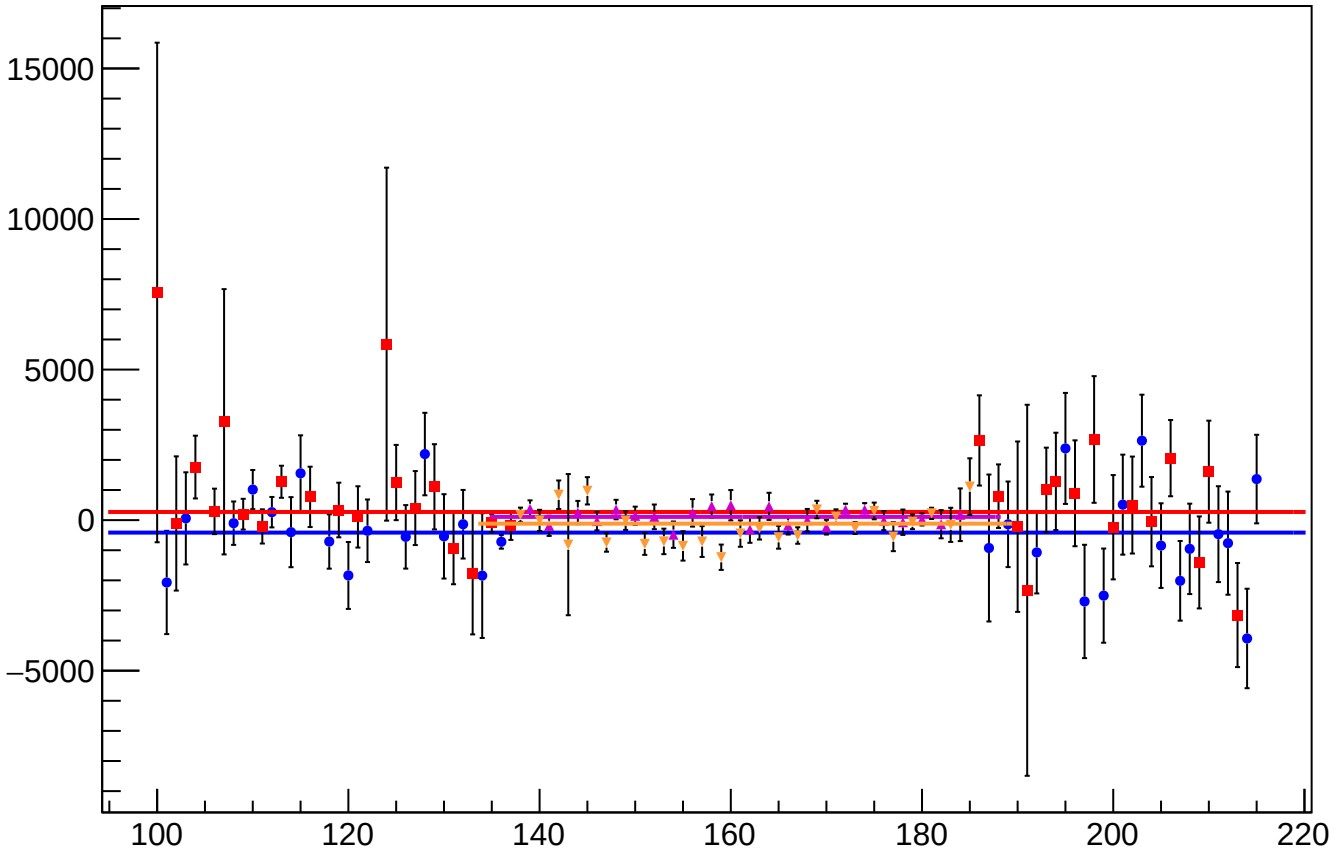
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.725+/-0.148 χ^2/NDF: 1043199.1/64

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.533+/-0.103 χ^2/NDF: 1305183.5/11



Right In: -414.142+/-155.415 χ^2/NDF: 35.9/30

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 270.932+/-156.743 χ^2/NDF: 27.2/33

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

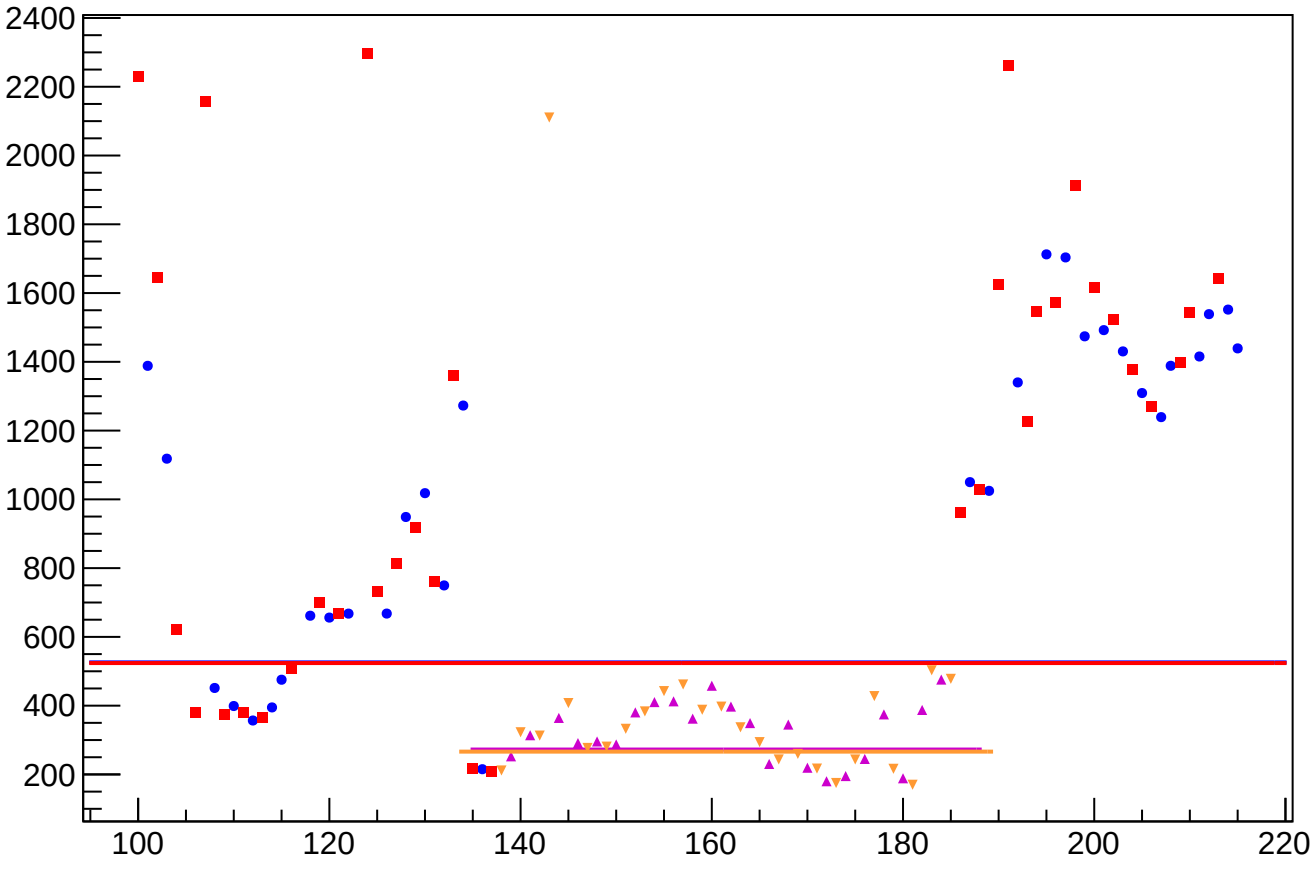
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -74.520+/-110.362 χ^2/NDF: 72.7/64

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -18.155+/-42.989 χ^2/NDF: 141.0/112



Right In: 525.826+/-0.110 χ^2/NDF: 15271071.4/30

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 523.914+/-0.111 χ^2/NDF: 14579020.0/33

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

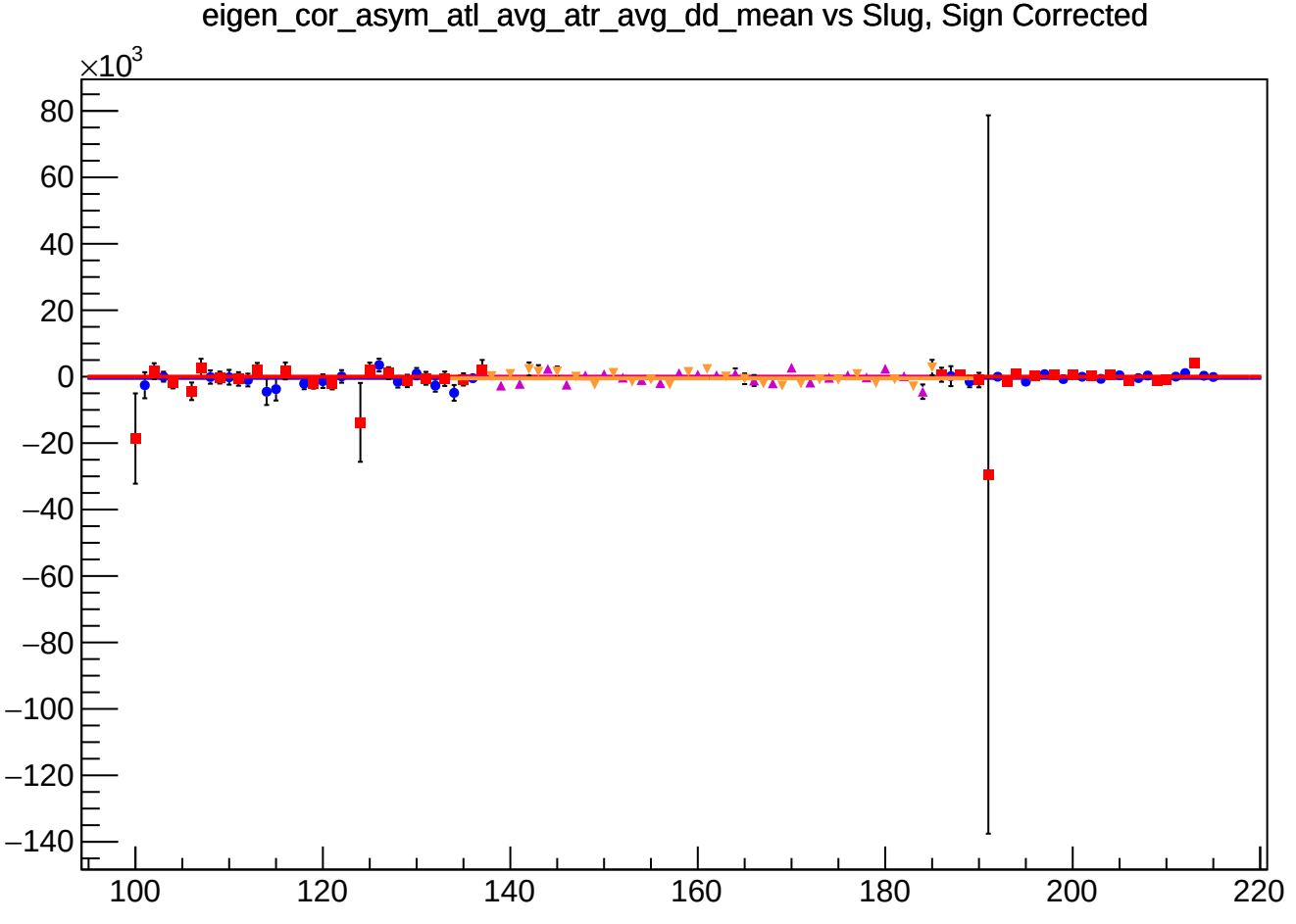
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 524.878+/-0.078 χ^2/NDF: 29850241.5/64

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 308.049+/-0.030 χ^2/NDF: 46477596.0/1



Right In: -360.995+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 5.775+/-299.387 χ^2/NDF: 29.8/33

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

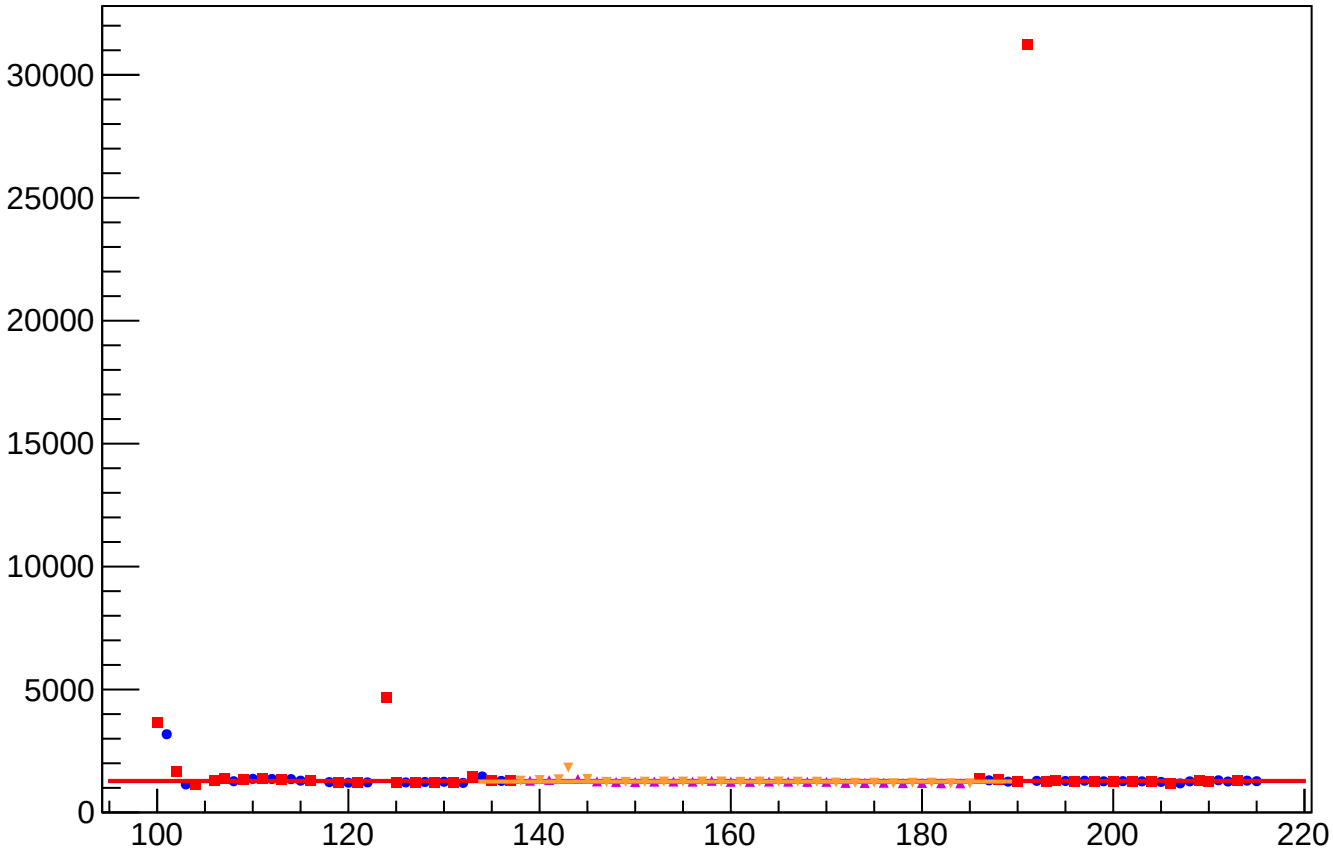
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -182.174+/-209.048 χ^2/NDF: 48.8/64

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -284.012+/-146.007 χ^2/NDF: 112.7/112



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.386+/-0.212 χ^2/NDF: 507636.9/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

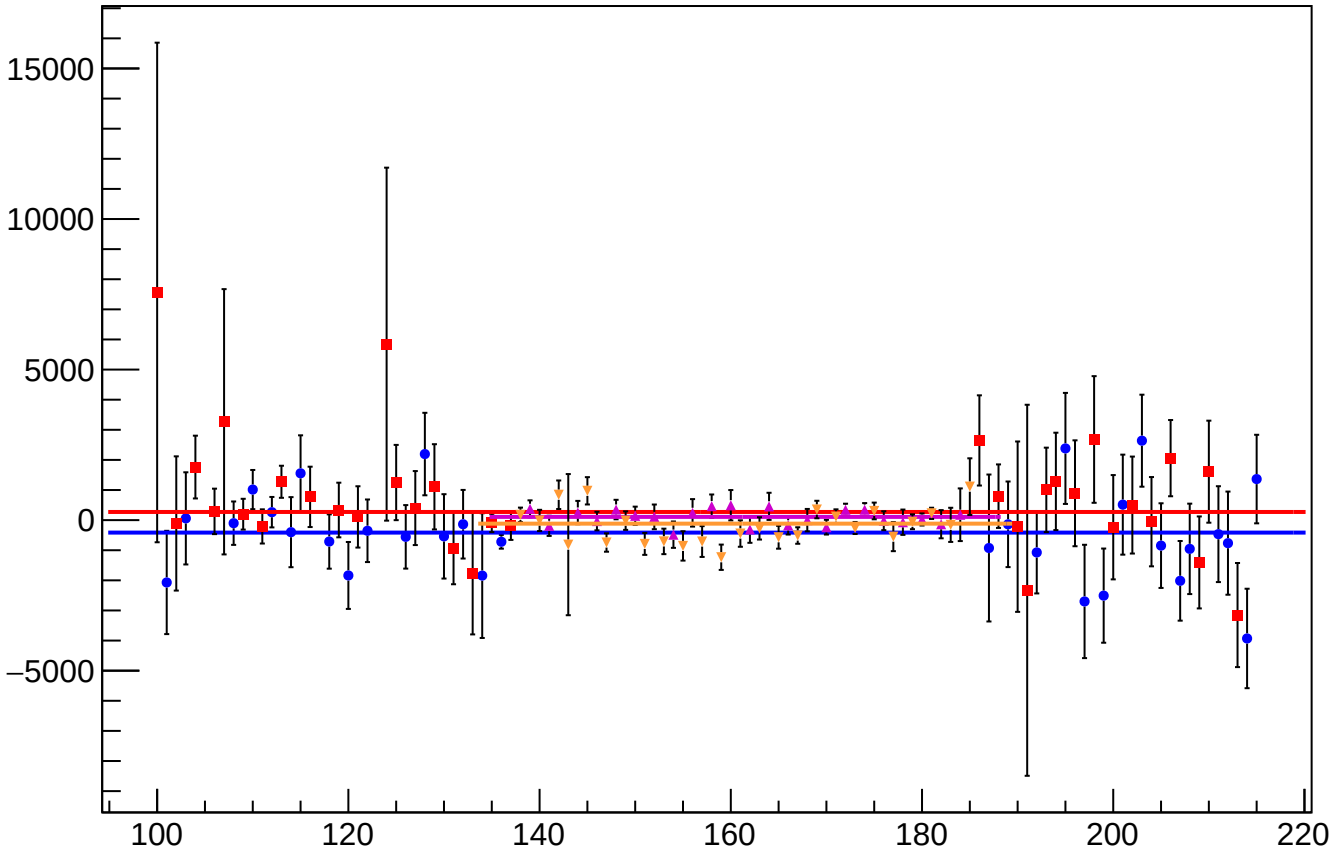
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.725+/-0.148 χ^2/NDF: 1043199.1/64

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.533+/-0.103 χ^2/NDF: 1305183.5/11



Right In: -414.142+/-155.415 χ^2/NDF: 35.9/30

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 270.932+/-156.743 χ^2/NDF: 27.2/33

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

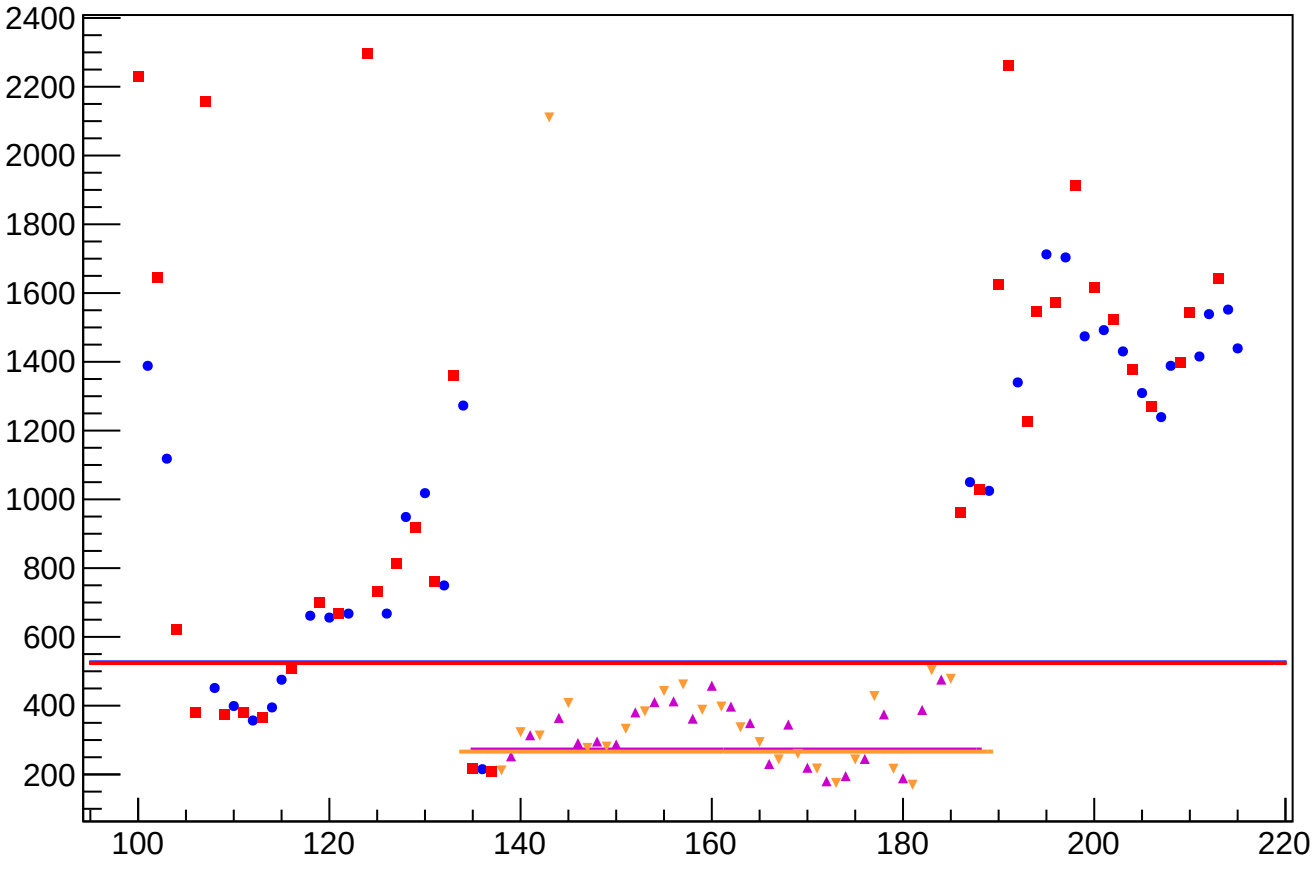
Right: -74.520+/-110.362 χ^2/NDF: 72.7/64

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -18.155+/-42.989 χ^2/NDF: 141.0/112

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 525.826+/-0.110 χ^2/NDF: 15271071.4/30

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 523.914+/-0.111 χ^2/NDF: 14579020.0/33

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

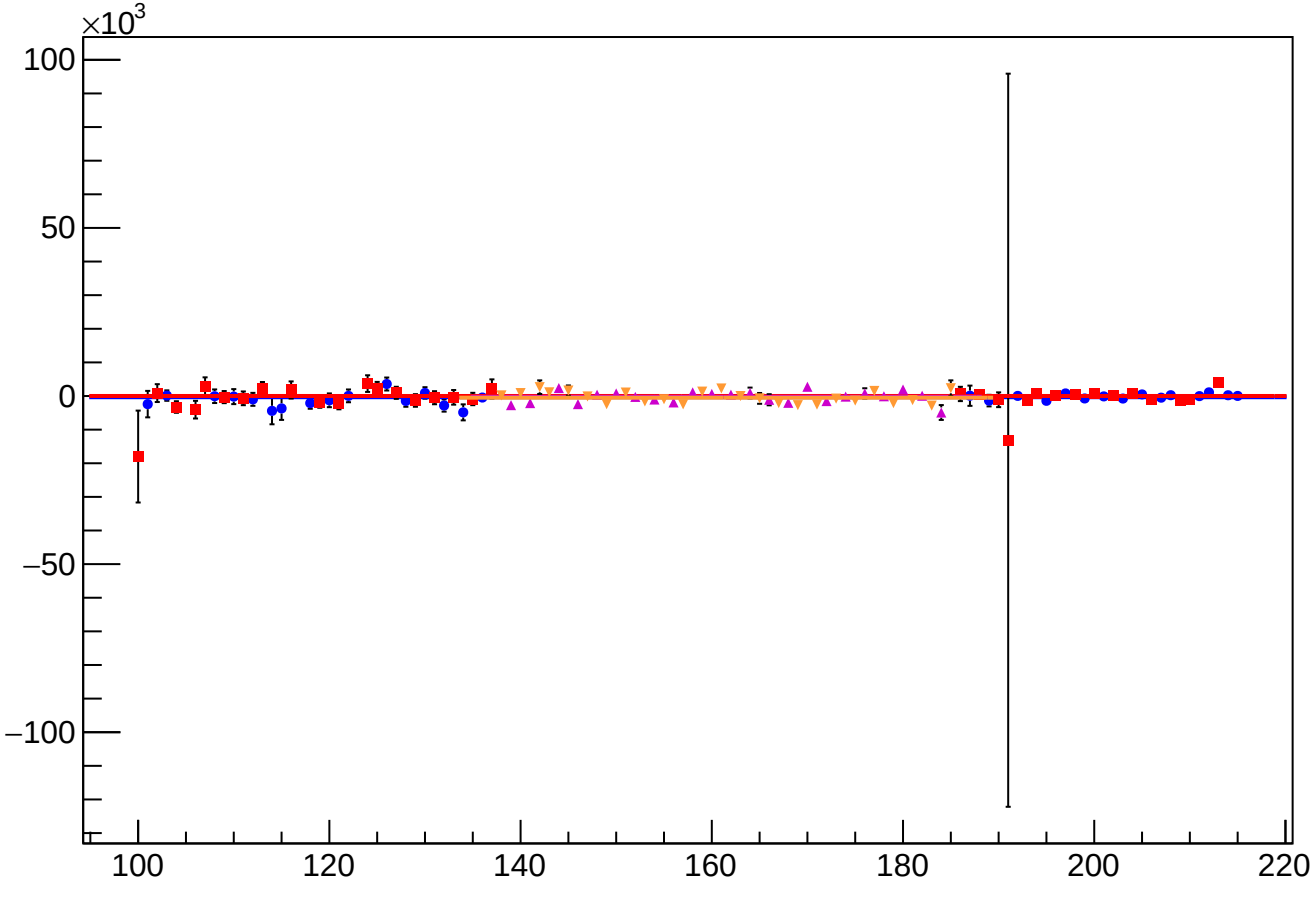
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 524.878+/-0.078 χ^2/NDF: 29850241.5/64

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 308.049+/-0.030 χ^2/NDF: 46477596.0/1



Right In: -352.361+/-292.805 χ^2/NDF: 18.2/30

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 12.195+/-298.859 χ^2/NDF: 31.8/33

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

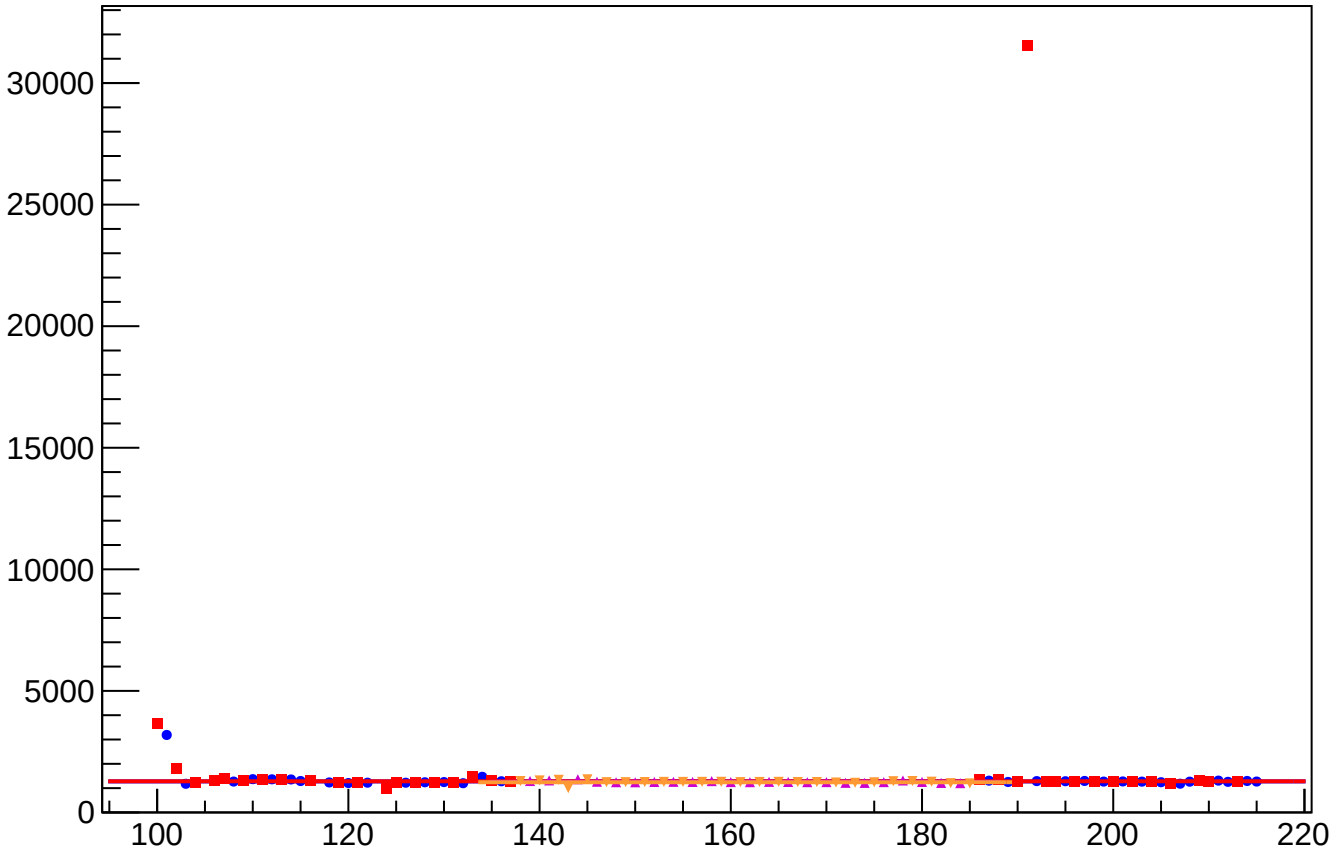
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -173.813+/-209.152 χ^2/NDF: 50.8/64

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -275.822+/-146.001 χ^2/NDF: 116.5/112



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1282.184+/-0.211 χ^2/NDF: 388064.2/33

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

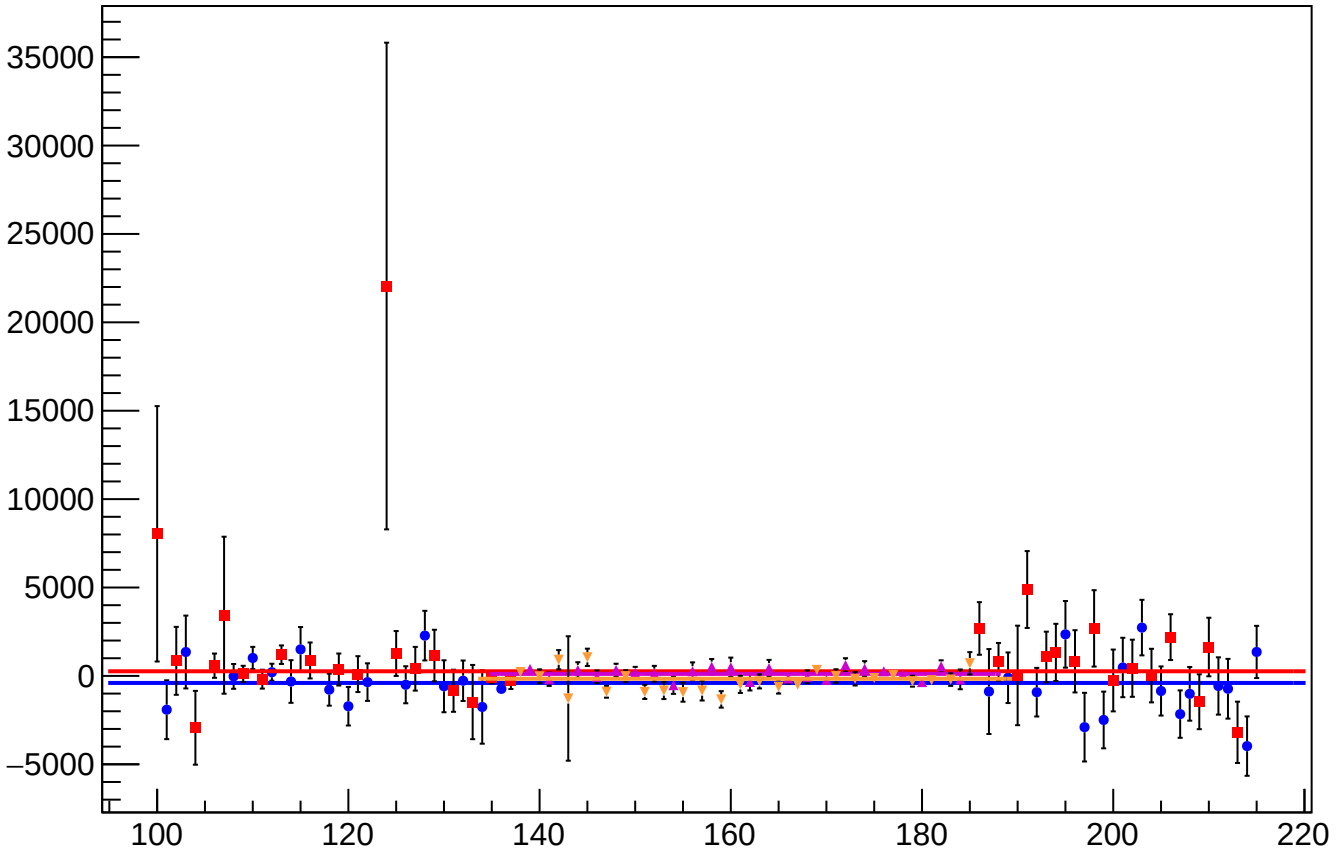
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1279.439+/-0.148 χ^2/NDF: 915164.5/64

In: 1268.492+/-0.147 χ^2/NDF:557941.2/53

Out: 1261.263+/-0.145 χ^2/NDF:536659.6/58

All: 1264.839+/-0.103 χ^2/NDF: 1095826.4/11



Right In: -397.642+/-157.039 χ^2/NDF: 36.4/30

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 261.636+/-156.804 χ^2/NDF: 34.0/33

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

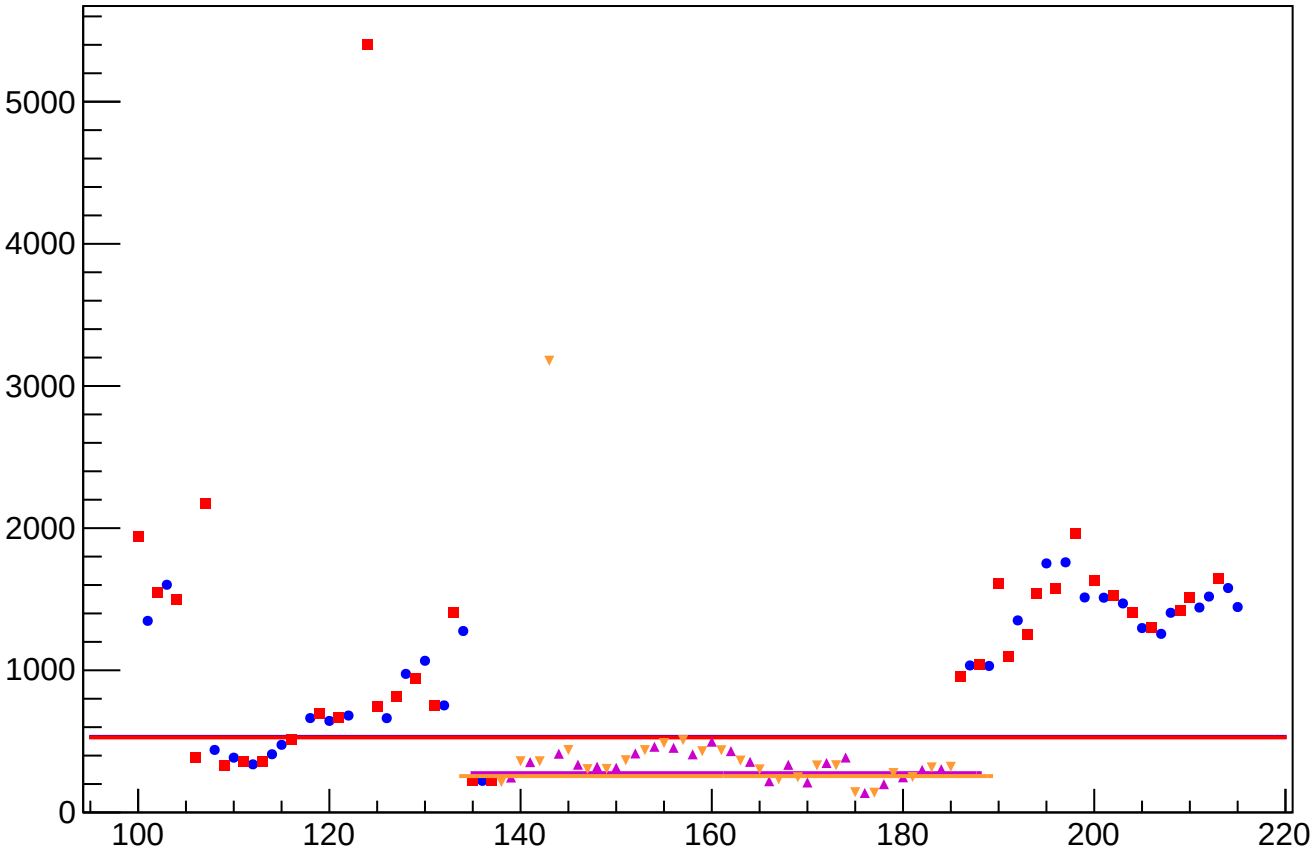
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -67.510+/-110.960 χ^2/NDF: 79.3/64

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -100.373+/-59.360 χ^2/NDF:84.0/58

All: -38.503+/-43.219 χ^2/NDF: 149.8/112



Right In: 531.606+/-0.111 χ^2/NDF: 15407600.6/30

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 527.966+/-0.111 χ^2/NDF: 15088720.3/33

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

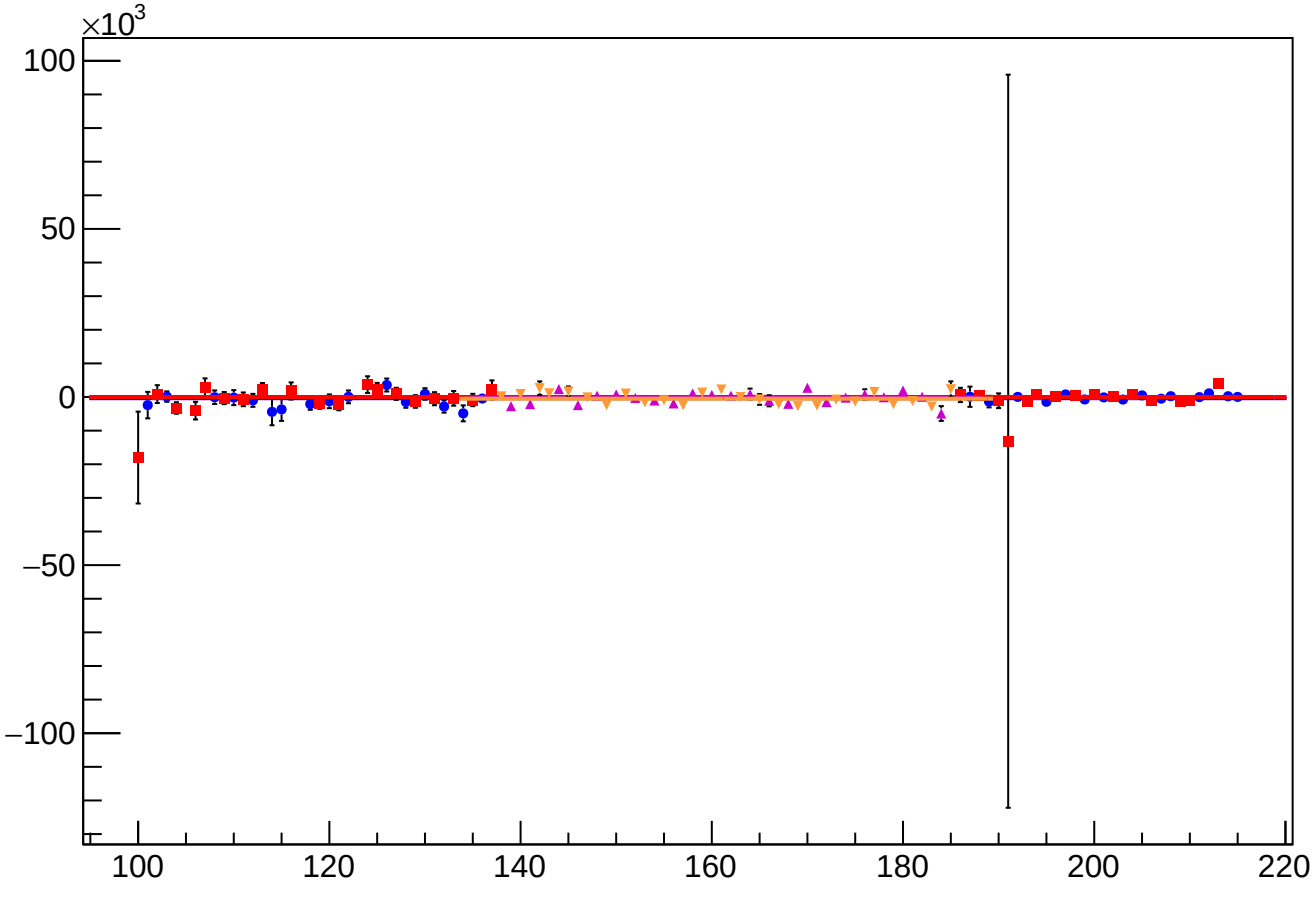
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 529.783+/-0.078 χ^2/NDF: 30496859.2/64

In: 317.452+/-0.045 χ^2/NDF:23869134.2/53

Out: 294.776+/-0.042 χ^2/NDF:26625735.2/58

All: 305.431+/-0.031 χ^2/NDF: 50632004.5/11



Right In: -352.360+/-292.805 χ^2/NDF: 18.2/30

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 12.195+/-298.859 χ^2/NDF: 31.8/33

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

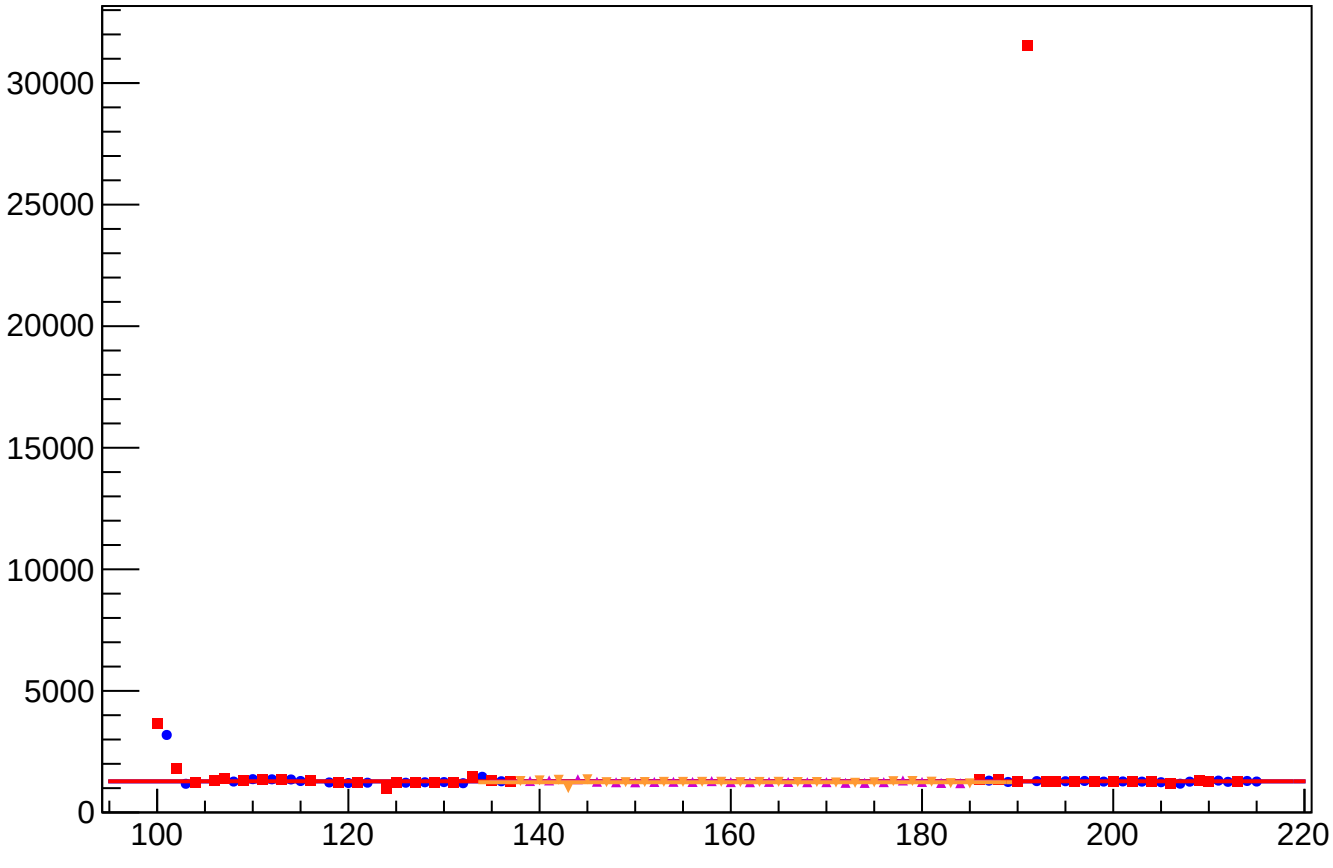
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -173.812+/-209.152 χ^2/NDF: 50.8/64

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -275.821+/-146.001 χ^2/NDF: 116.5/112



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1282.184+/-0.211 χ^2/NDF: 388064.5/33

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

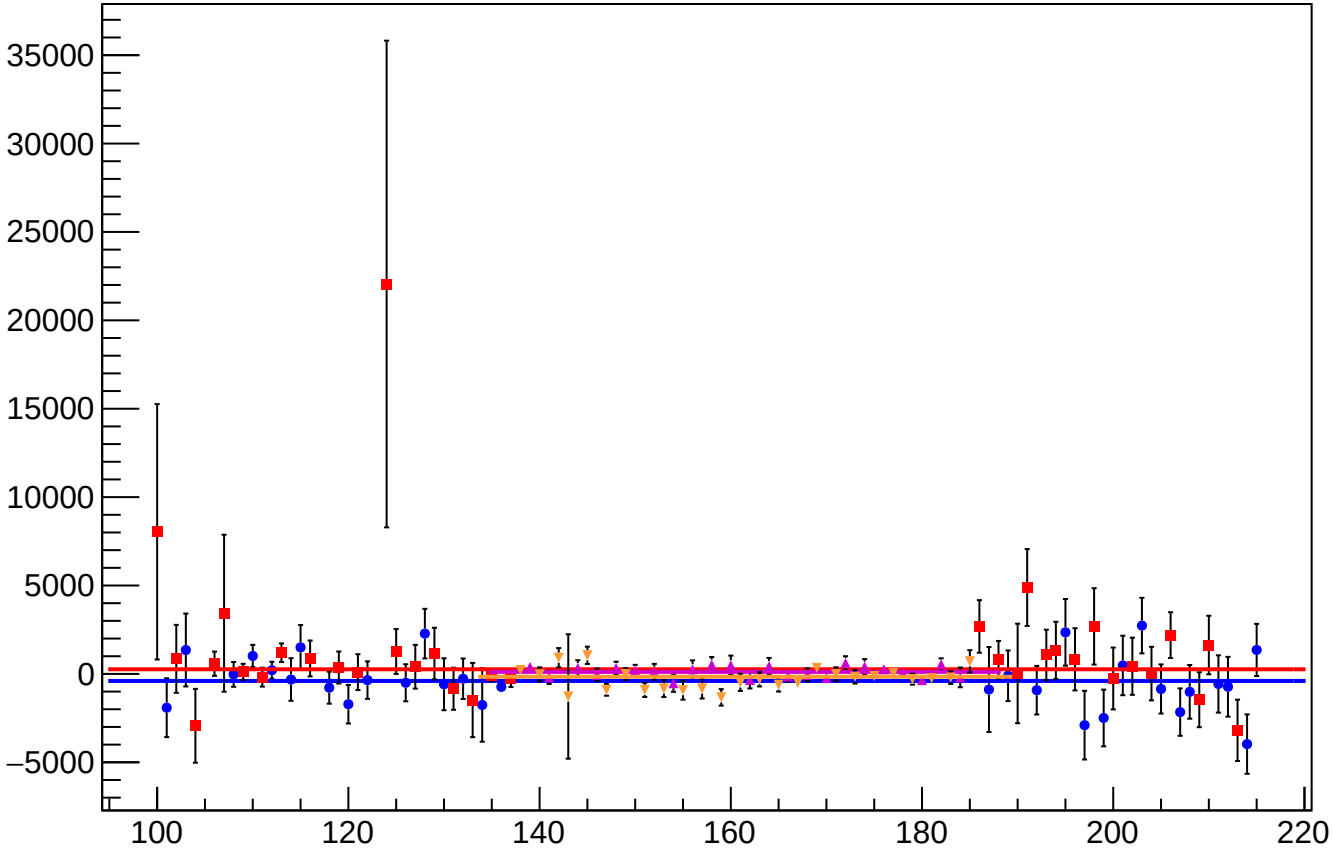
Right: 1279.439+/-0.148 χ^2/NDF: 915164.8/64

In: 1268.492+/-0.147 χ^2/NDF:557941.3/53

Out: 1261.263+/-0.145 χ^2/NDF:536659.0/58

All: 1264.839+/-0.103 χ^2/NDF: 1095825.8/11

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -397.643+/-157.041 χ^2/NDF: 36.4/30

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 261.643+/-156.806 χ^2/NDF: 34.0/33

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

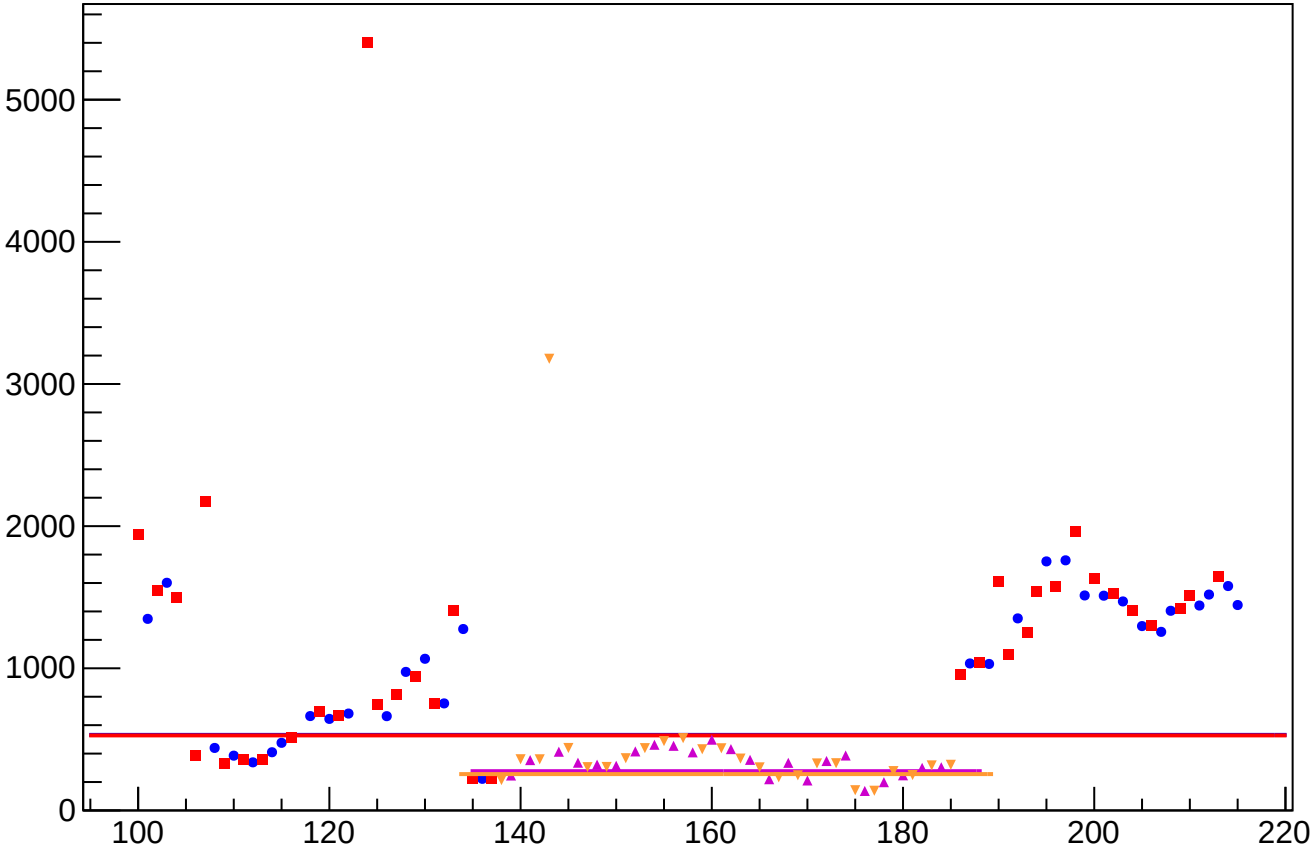
Right: -67.505+/-110.962 χ^2/NDF: 79.3/64

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -100.376+/-59.360 χ^2/NDF:84.0/58

All: -38.505+/-43.219 χ^2/NDF: 149.8/112

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 531.619+/-0.111 χ^2/NDF: 15407153.4/30

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 527.976+/-0.111 χ^2/NDF: 15088395.3/33

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

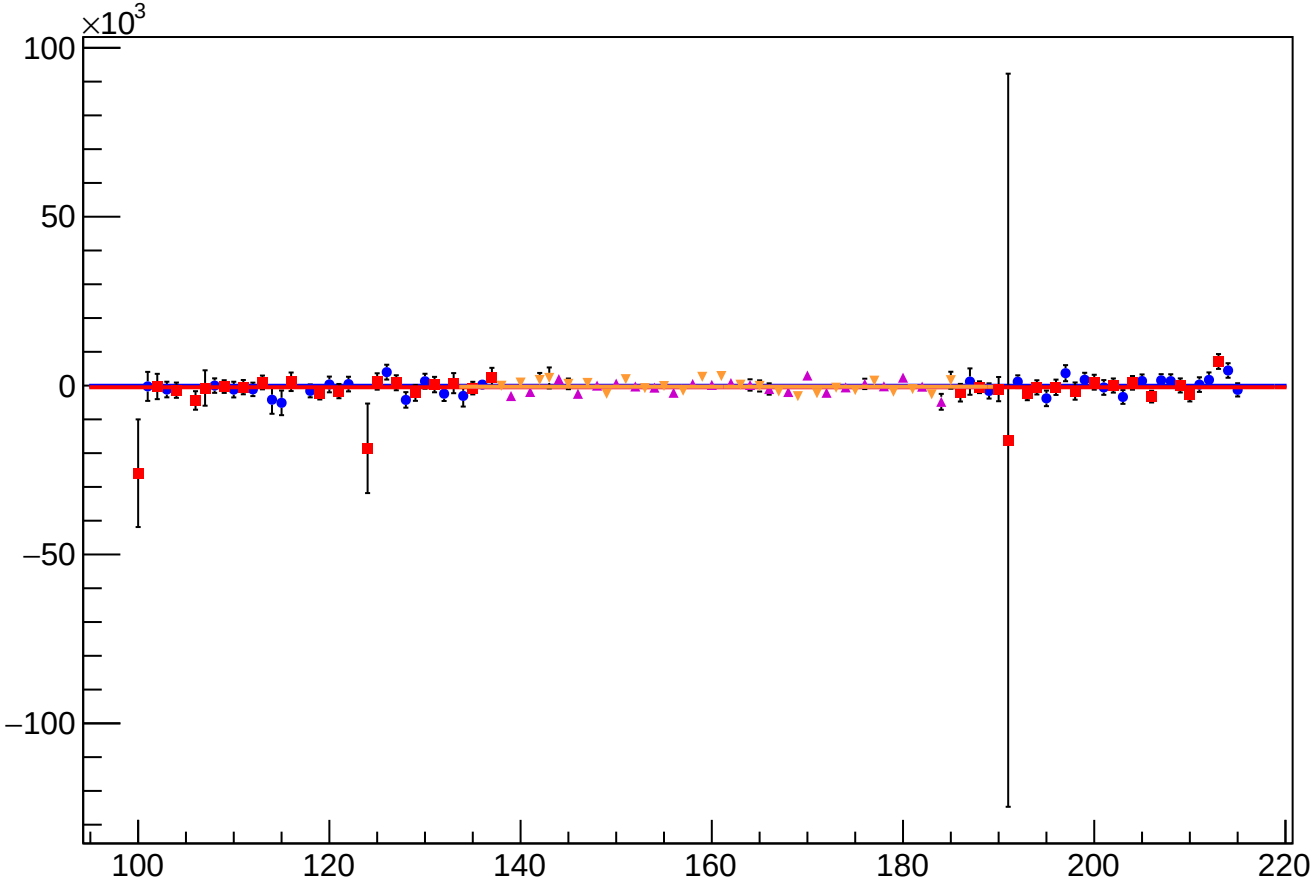
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 529.795+/-0.078 χ^2/NDF: 30496087.8/64

In: 317.453+/-0.045 χ^2/NDF:23868971.0/53

Out: 294.778+/-0.042 χ^2/NDF:26625532.0/58

All: 305.433+/-0.031 χ^2/NDF: 50631631.7/11



Right In: -46.625+/-394.422 χ^2/NDF: 30.2/30

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -497.038+/-403.674 χ^2/NDF: 29.2/33

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

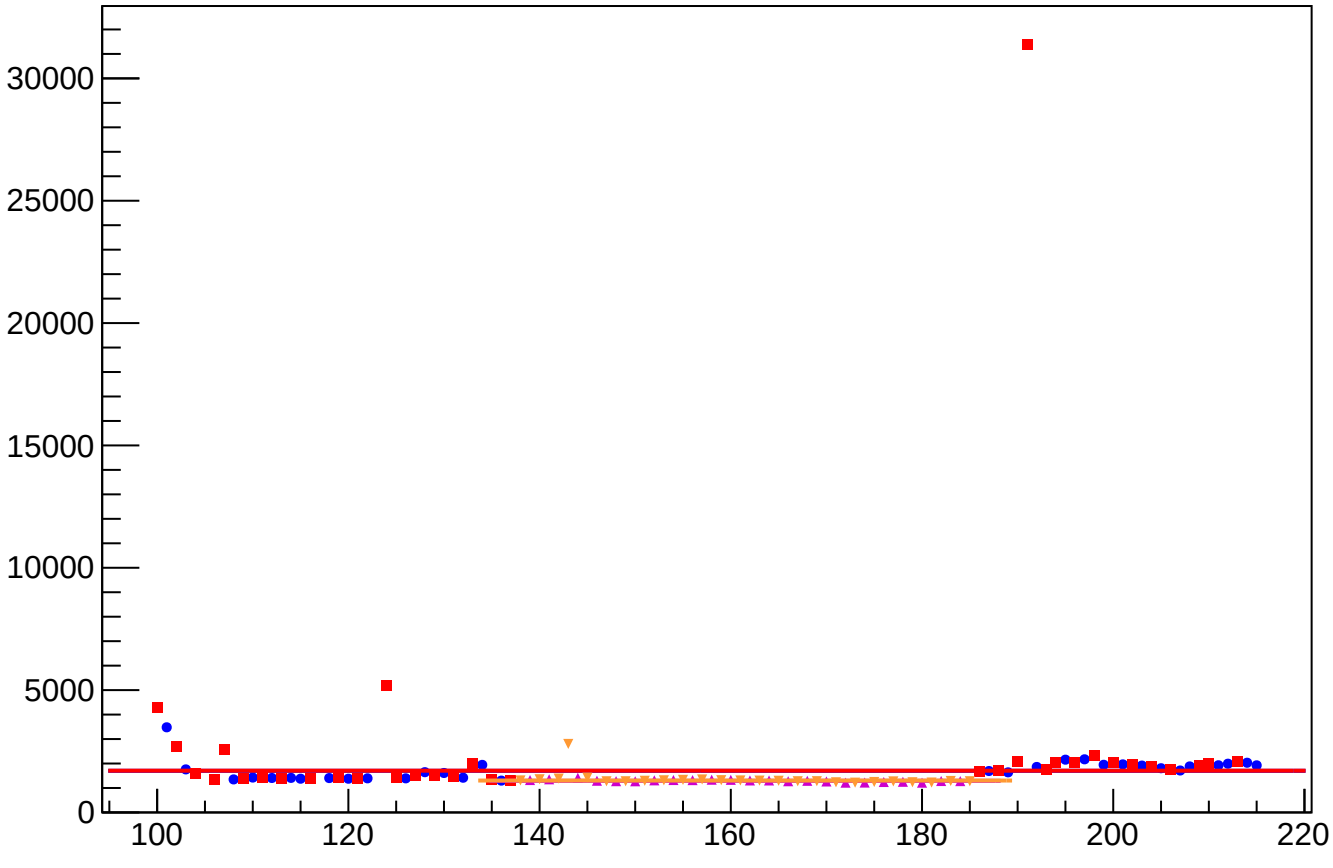
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -266.611+/-282.113 χ^2/NDF: 60.0/64

In: -241.950+/-239.735 χ^2/NDF:60.3/53

Out: -382.356+/-239.890 χ^2/NDF:60.8/58

All: -312.107+/-169.573 χ^2/NDF: 121.3/112



Right In: 1701.208+/-0.279 χ^2/NDF: 1279971.3/30

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1706.944+/-0.285 χ^2/NDF: 1505353.2/33

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

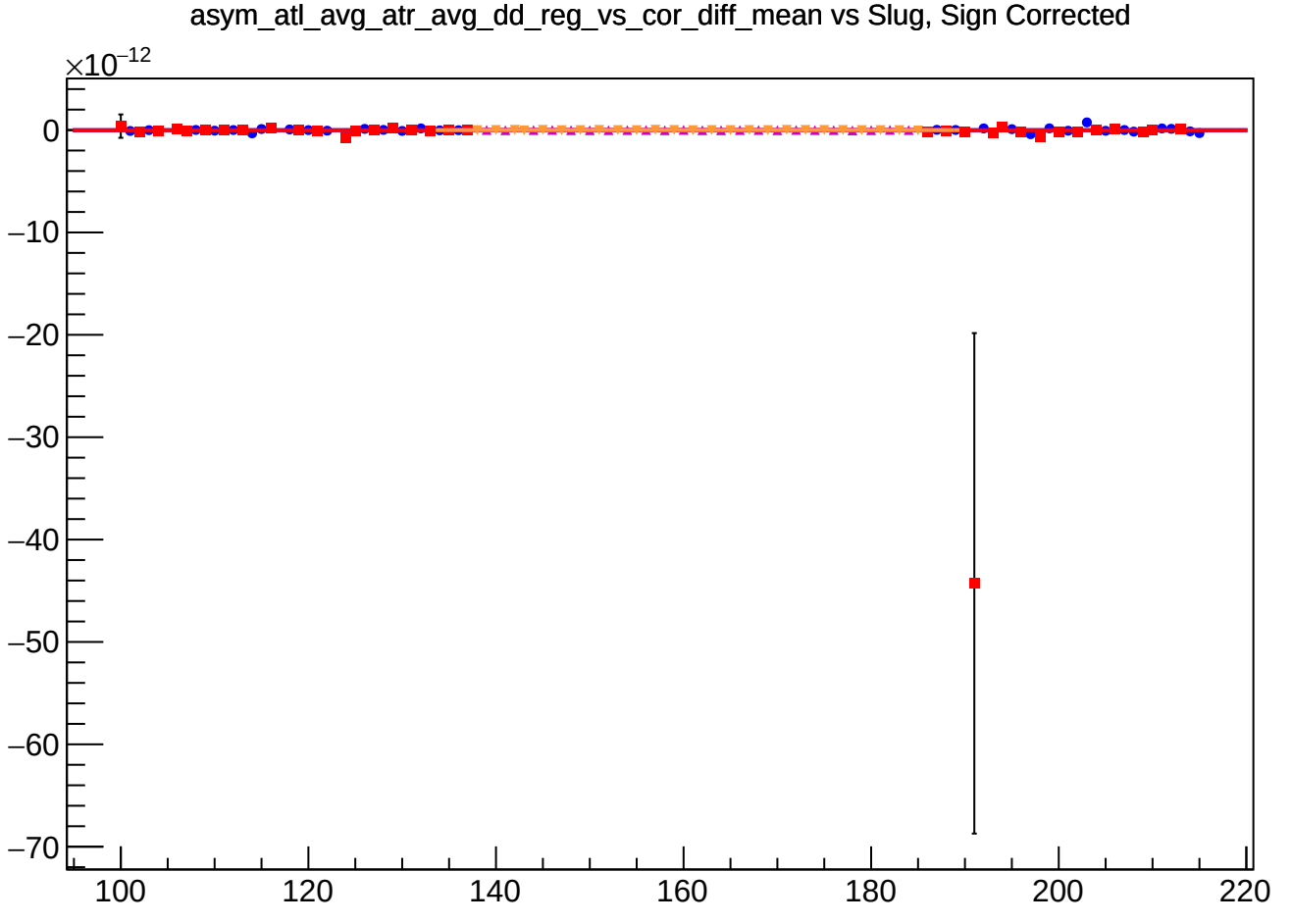
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1704.010+/-0.199 χ^2/NDF: 2785531.1/64

In: 1443.254+/-0.170 χ^2/NDF:2684952.3/53

Out: 1446.402+/-0.170 χ^2/NDF:3312990.1/58

All: 1444.827+/-0.120 χ^2/NDF: 5998114.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.6/33

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

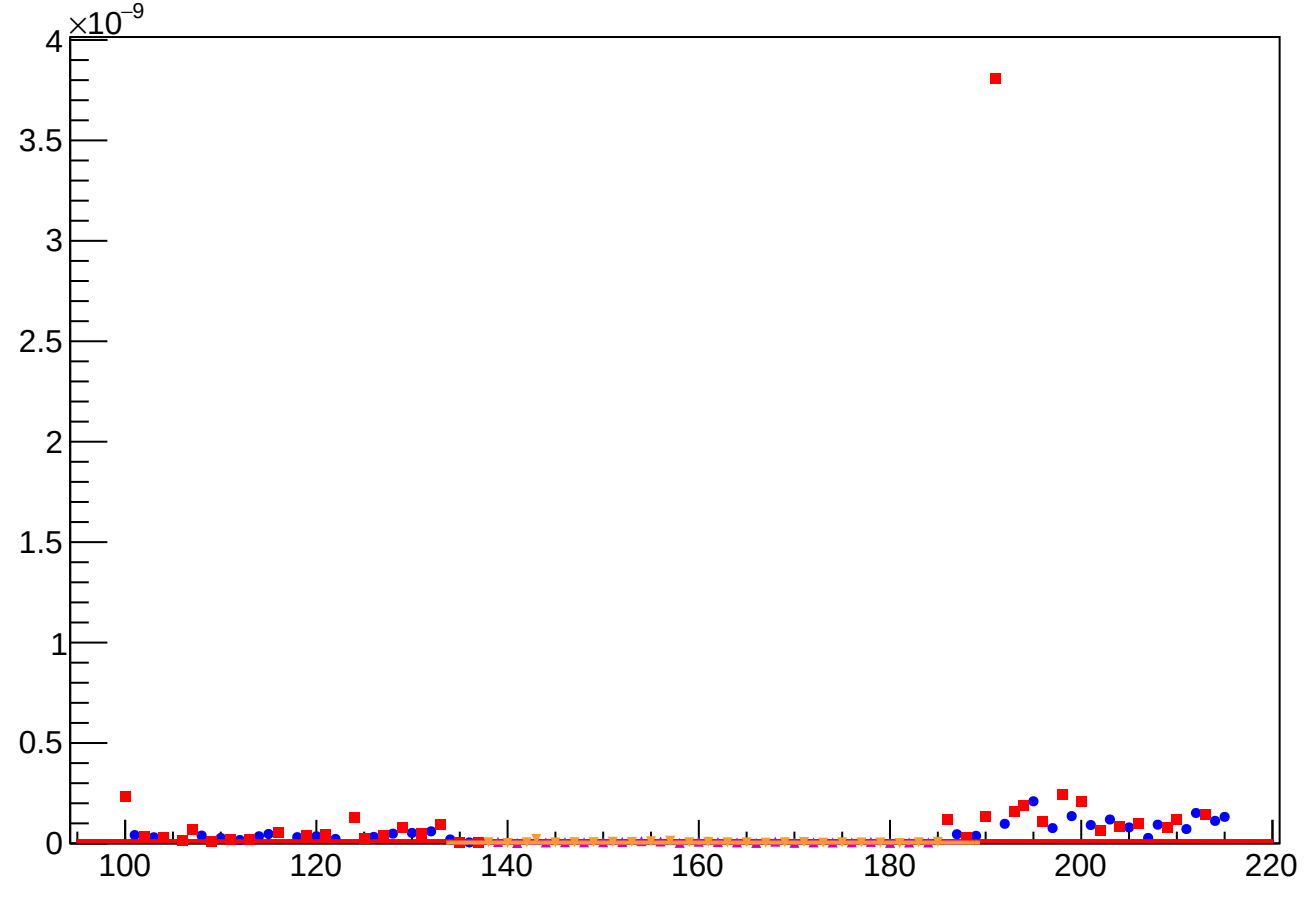
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 72.9/64

In: -0.000+/-0.000 χ^2/NDF:65.8/53

Out: -0.000+/-0.000 χ^2/NDF:65.9/58

All: -0.000+/-0.000 χ^2/NDF: 132.1/112



Right In: 0.000+/-0.000 χ^2/NDF: 10219502.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11325002.2/33

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

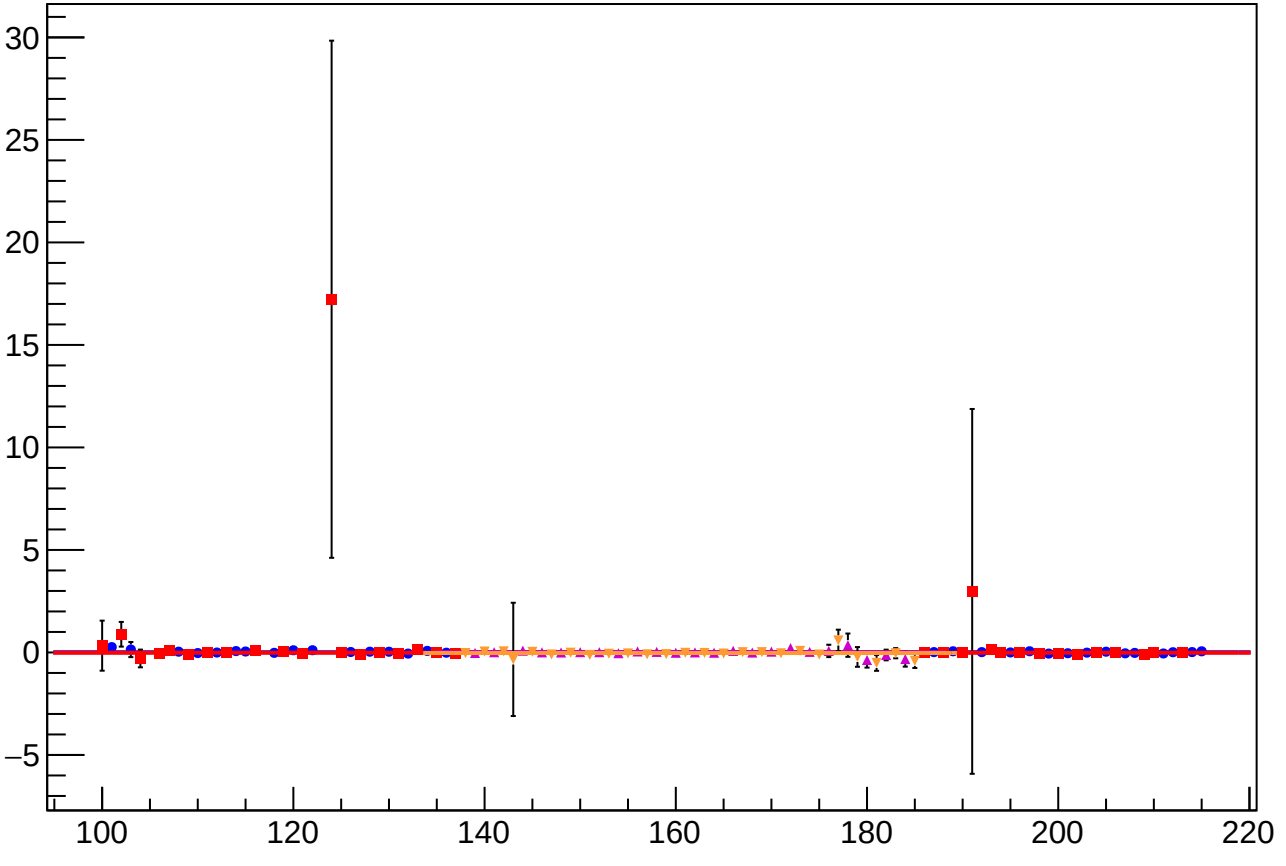
Right: 0.000+/-0.000 χ^2/NDF: 21546954.4/64

In: 0.000+/-0.000 χ^2/NDF:13293983.0/53

Out: 0.000+/-0.000 χ^2/NDF:15324544.1/58

All: 0.000+/-0.000 χ^2/NDF: 28651858.1/112

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

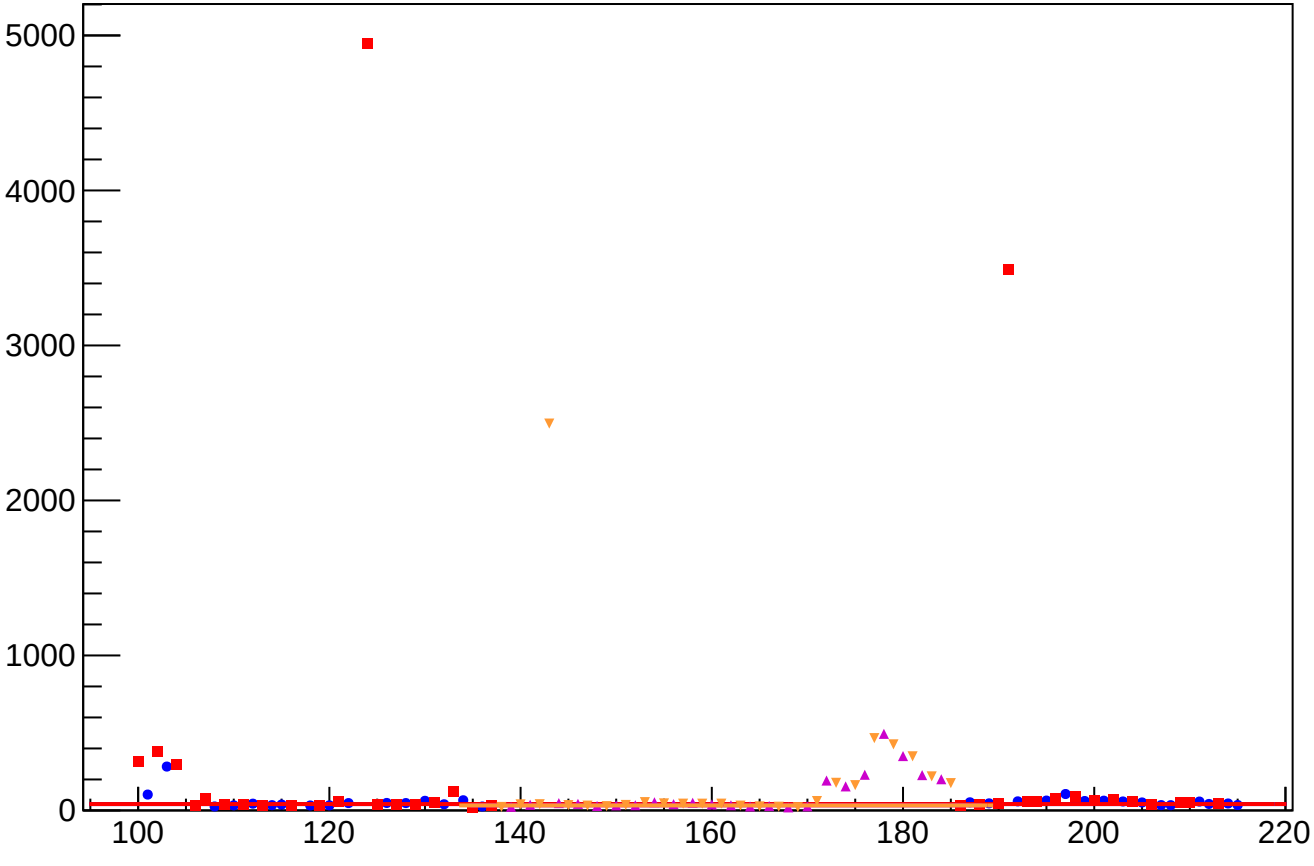
Right: -0.002+/-0.008 χ^2/NDF: 47.5/64

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.006+/-0.005 χ^2/NDF: 97.5/112

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.215+/-0.008 χ^2/NDF: 4315118.2/30

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 41.281+/-0.008 χ^2/NDF: 5523442.3/33

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

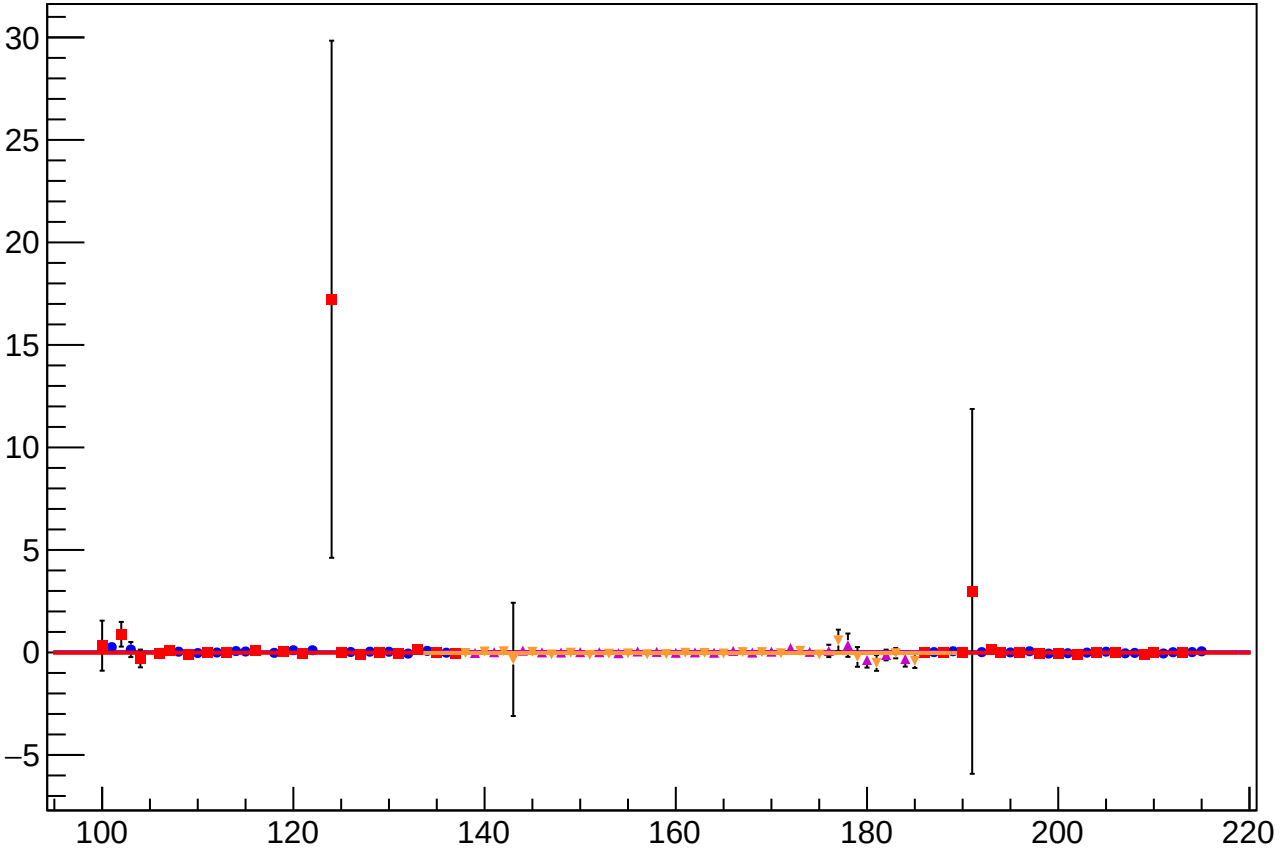
Right: 41.247+/-0.005 χ^2/NDF: 9838598.0/64

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.388+/-0.004 χ^2/NDF: 31098937.9/112

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

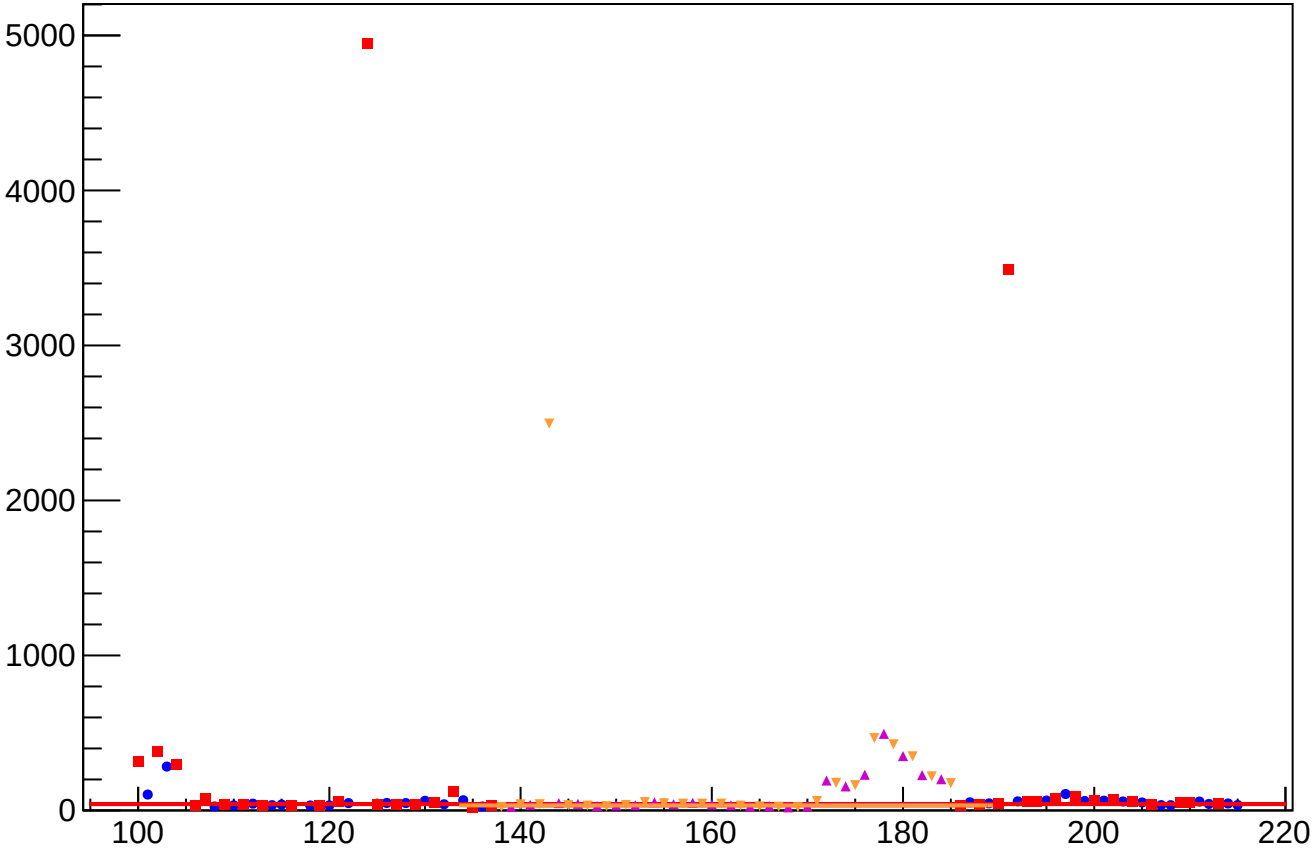
Right: -0.002+/-0.008 χ^2/NDF: 47.5/64

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.006+/-0.005 χ^2/NDF: 97.5/112

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.215+/-0.008 χ^2/NDF: 4315118.2/30

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 41.281+/-0.008 χ^2/NDF: 5523442.3/33

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

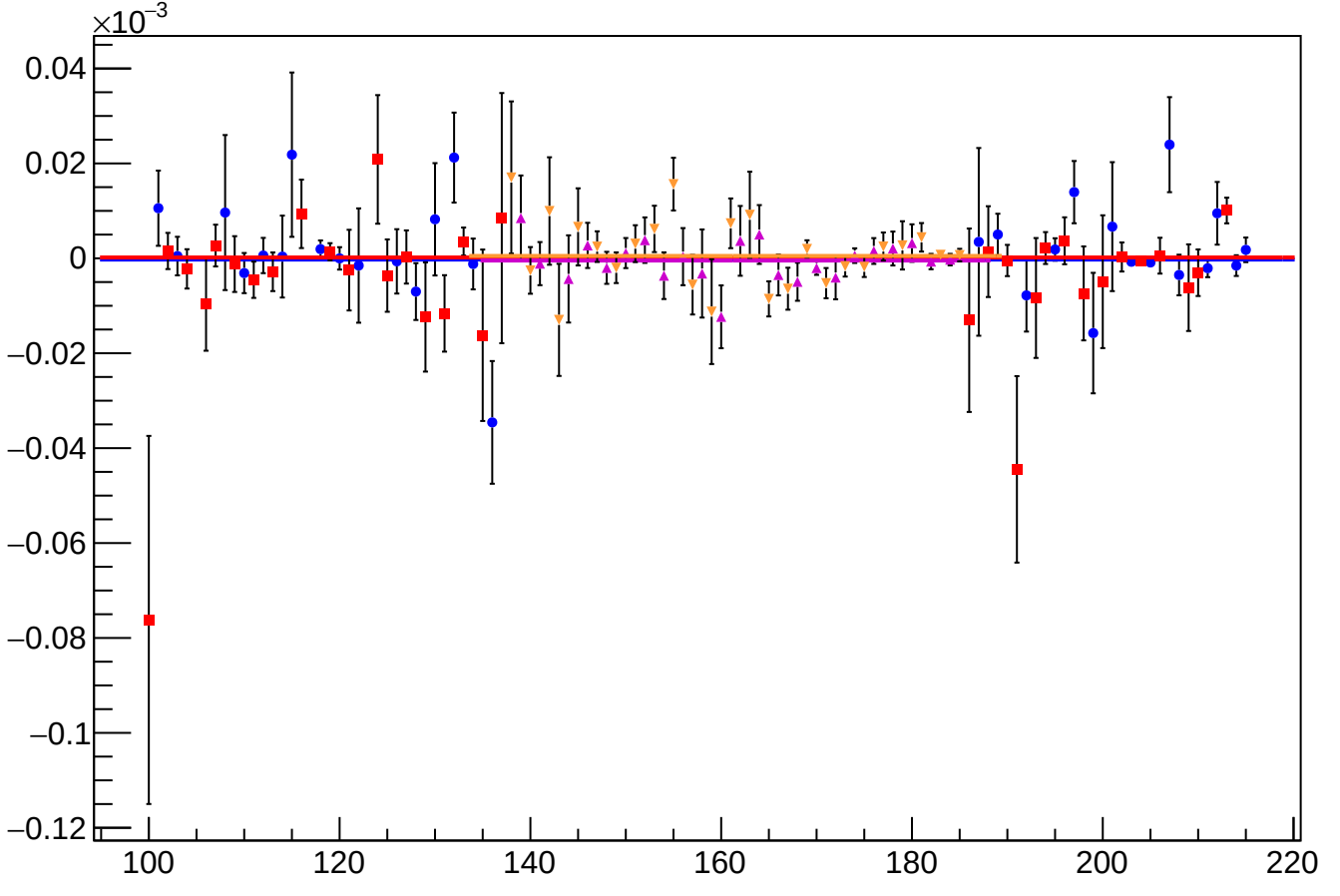
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.247+/-0.005 χ^2/NDF: 9838598.0/64

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.388+/-0.004 χ^2/NDF: 31098937.9/112



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.9/33

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

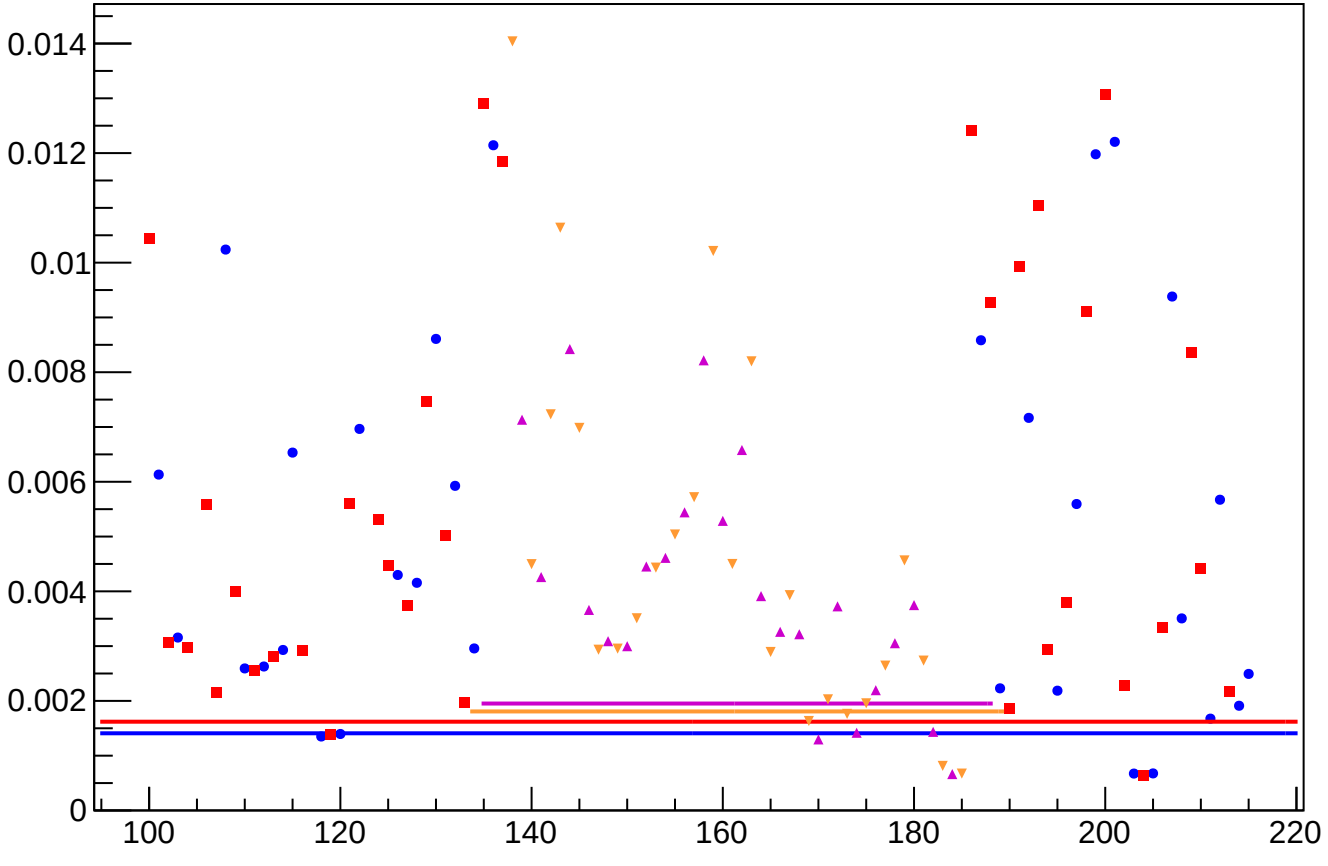
Right: -0.000+/-0.000 χ^2/NDF: 82.1/64

In: -0.000+/-0.000 χ^2/NDF:54.6/53

Out: 0.000+/-0.000 χ^2/NDF:76.8/58

All: -0.000+/-0.000 χ^2/NDF: 133.0/112

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: 17302056.9/30

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 17282679.3/33

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

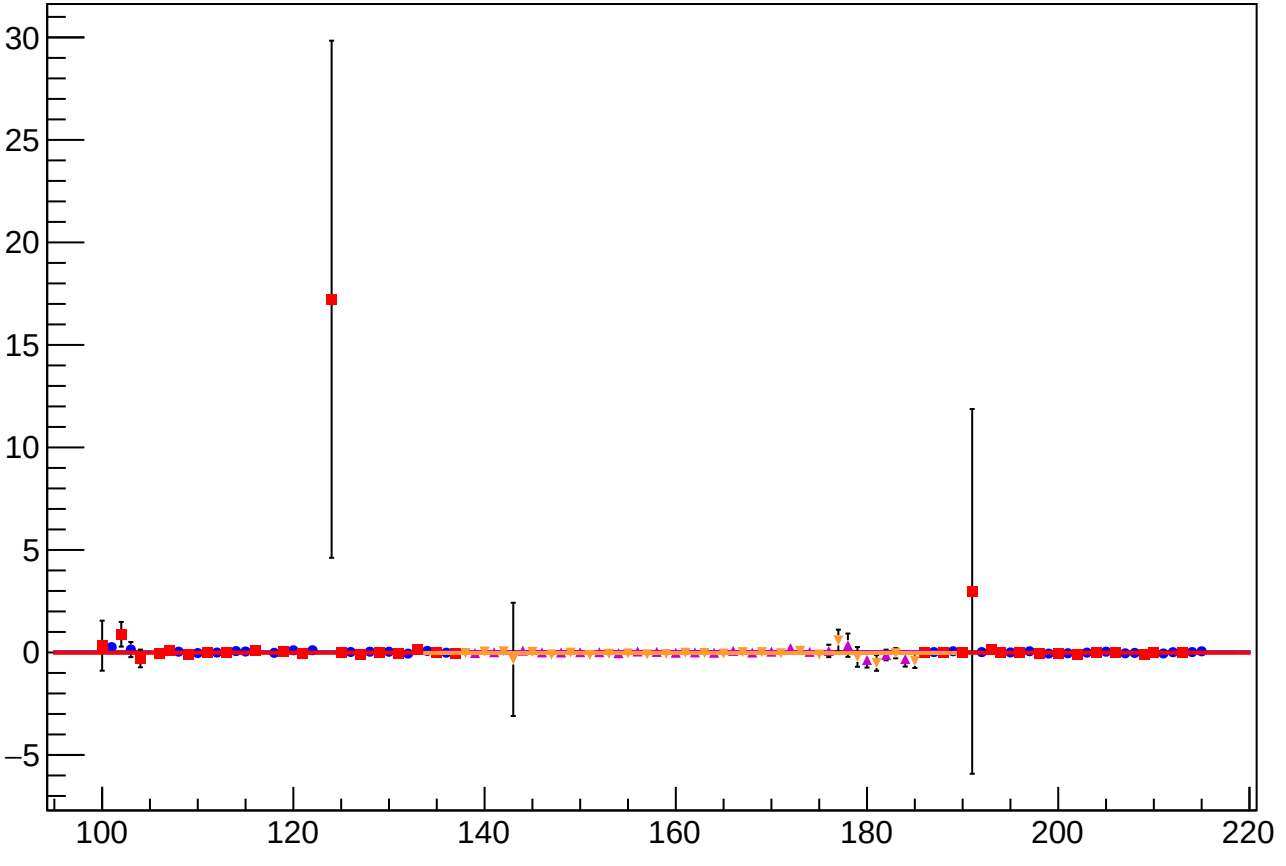
Right: 0.001+/-0.000 χ^2/NDF: 34756031.0/64

In: 0.002+/-0.000 χ^2/NDF:29815586.4/53

Out: 0.002+/-0.000 χ^2/NDF:32341364.6/58

All: 0.002+/-0.000 χ^2/NDF: 62216155.8/112

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

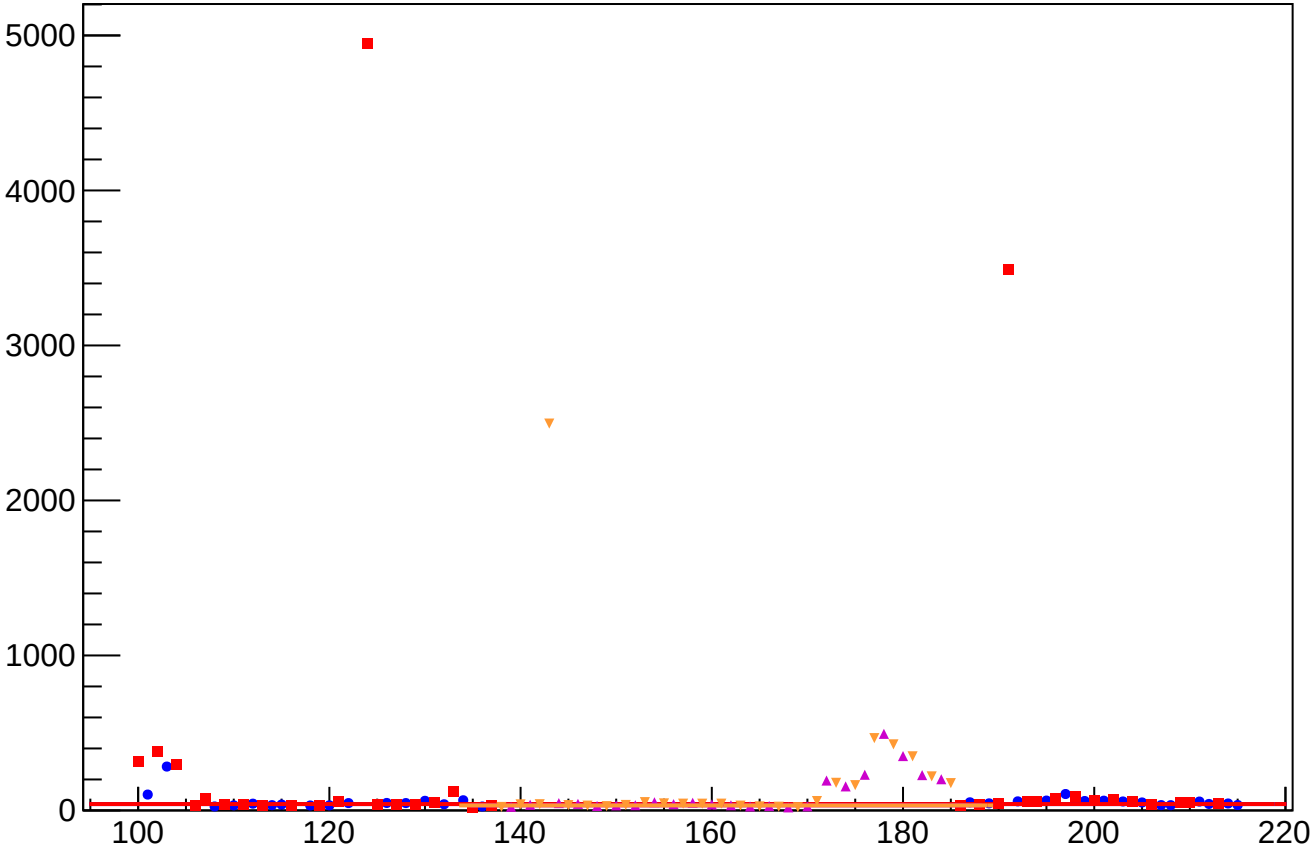
Right: -0.002+/-0.008 χ^2/NDF: 47.5/64

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.006+/-0.005 χ^2/NDF: 97.5/112

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.215+/-0.008 χ^2/NDF: 4314755.1/30

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.281+/-0.008 χ^2/NDF: 5523237.2/33

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

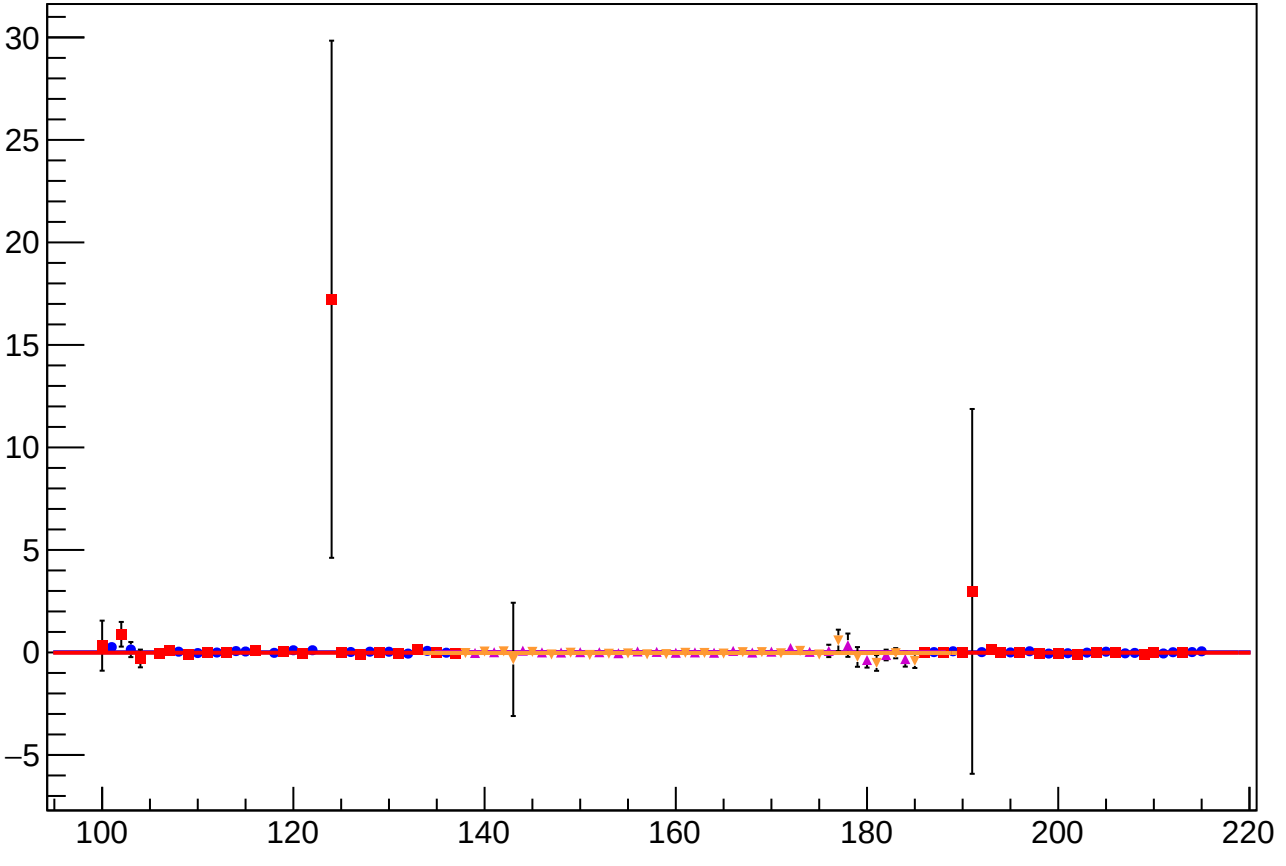
Right: 41.247+/-0.005 χ^2/NDF: 9838029.7/64

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.388+/-0.004 χ^2/NDF: 31099568.0/112

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

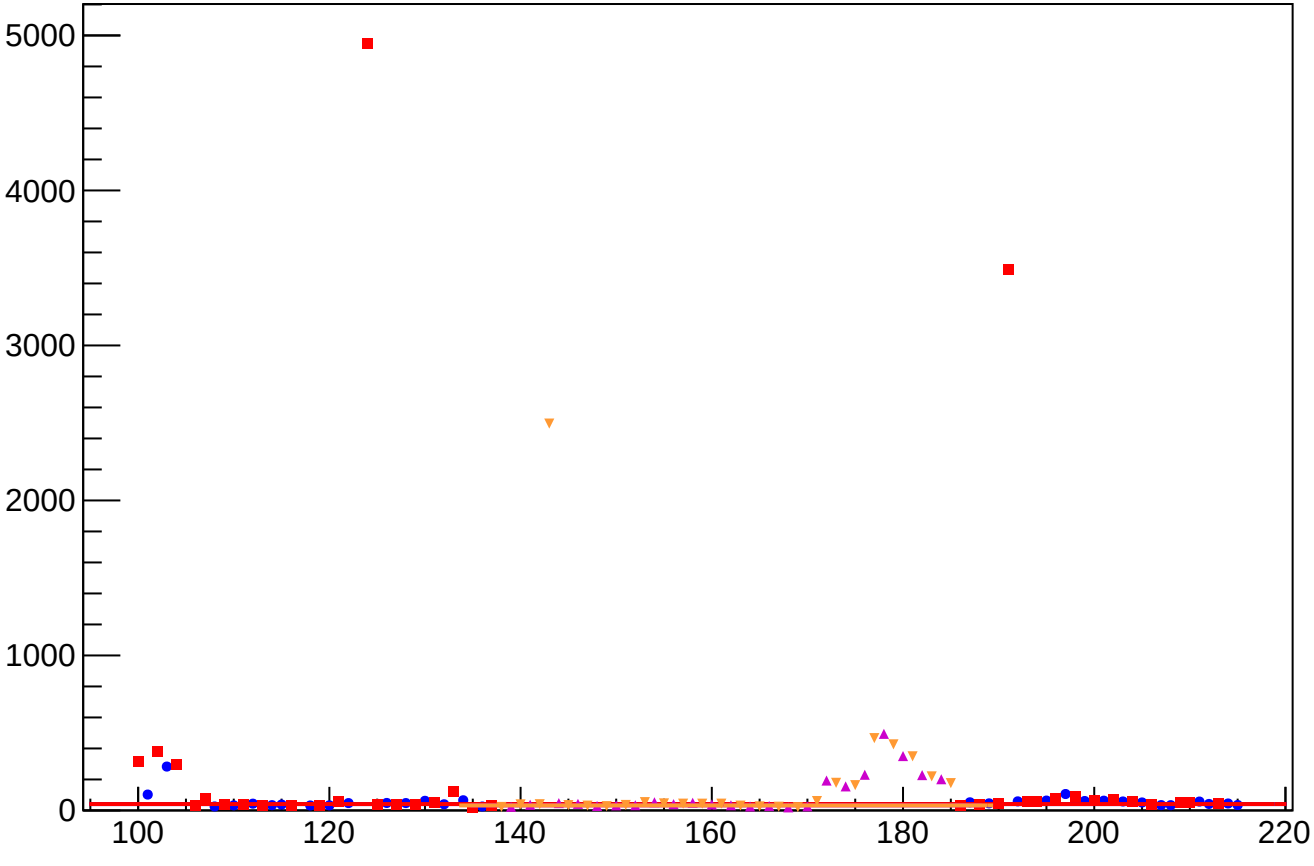
Right: -0.002+/-0.008 χ^2/NDF: 47.5/64

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.006+/-0.005 χ^2/NDF: 97.5/112

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.215+/-0.008 χ^2/NDF: 4314755.1/30

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.281+/-0.008 χ^2/NDF: 5523237.2/33

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

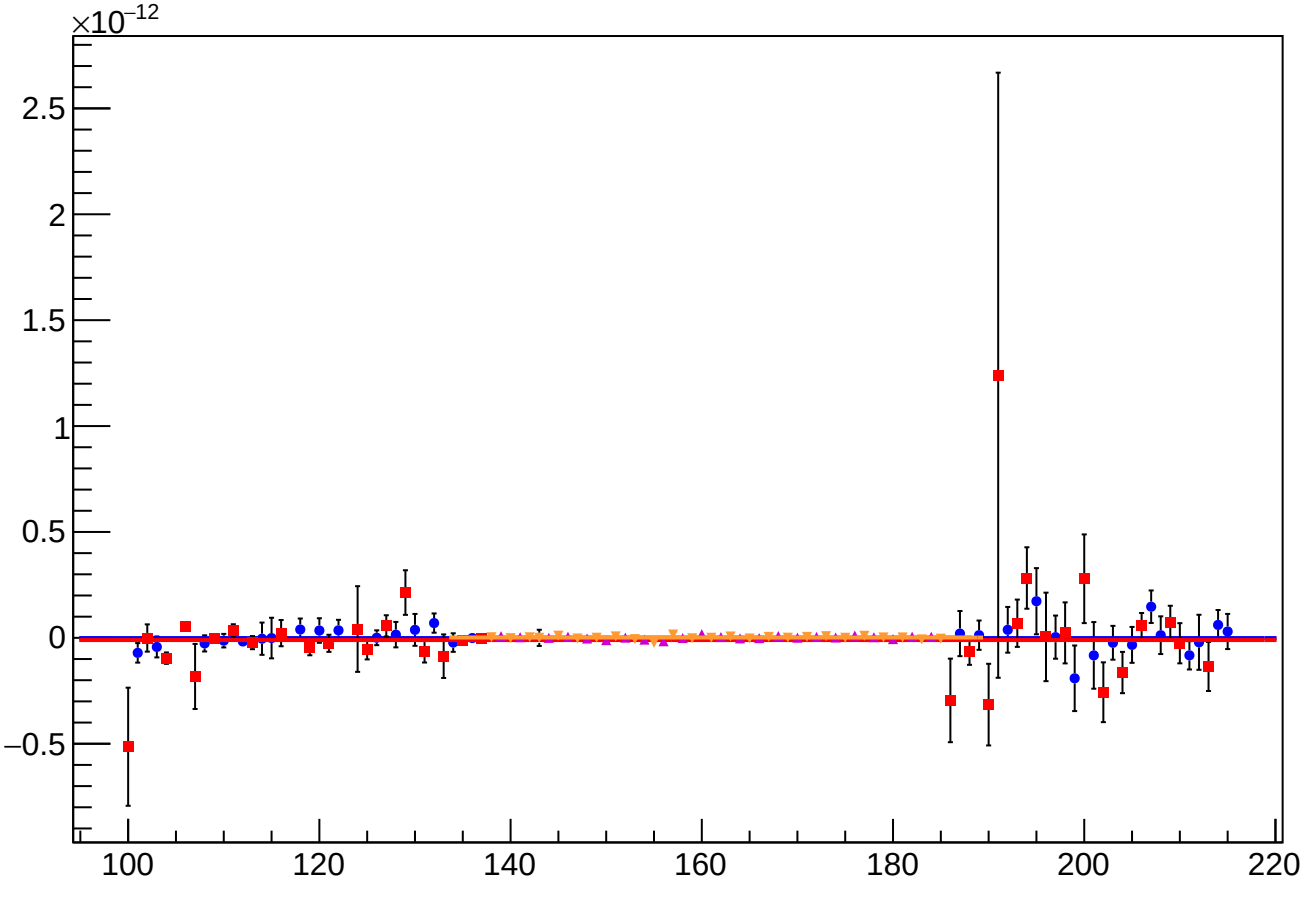
Right: 41.247+/-0.005 χ^2/NDF: 9838029.7/64

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.388+/-0.004 χ^2/NDF: 31099568.0/112

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 61.5/33

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

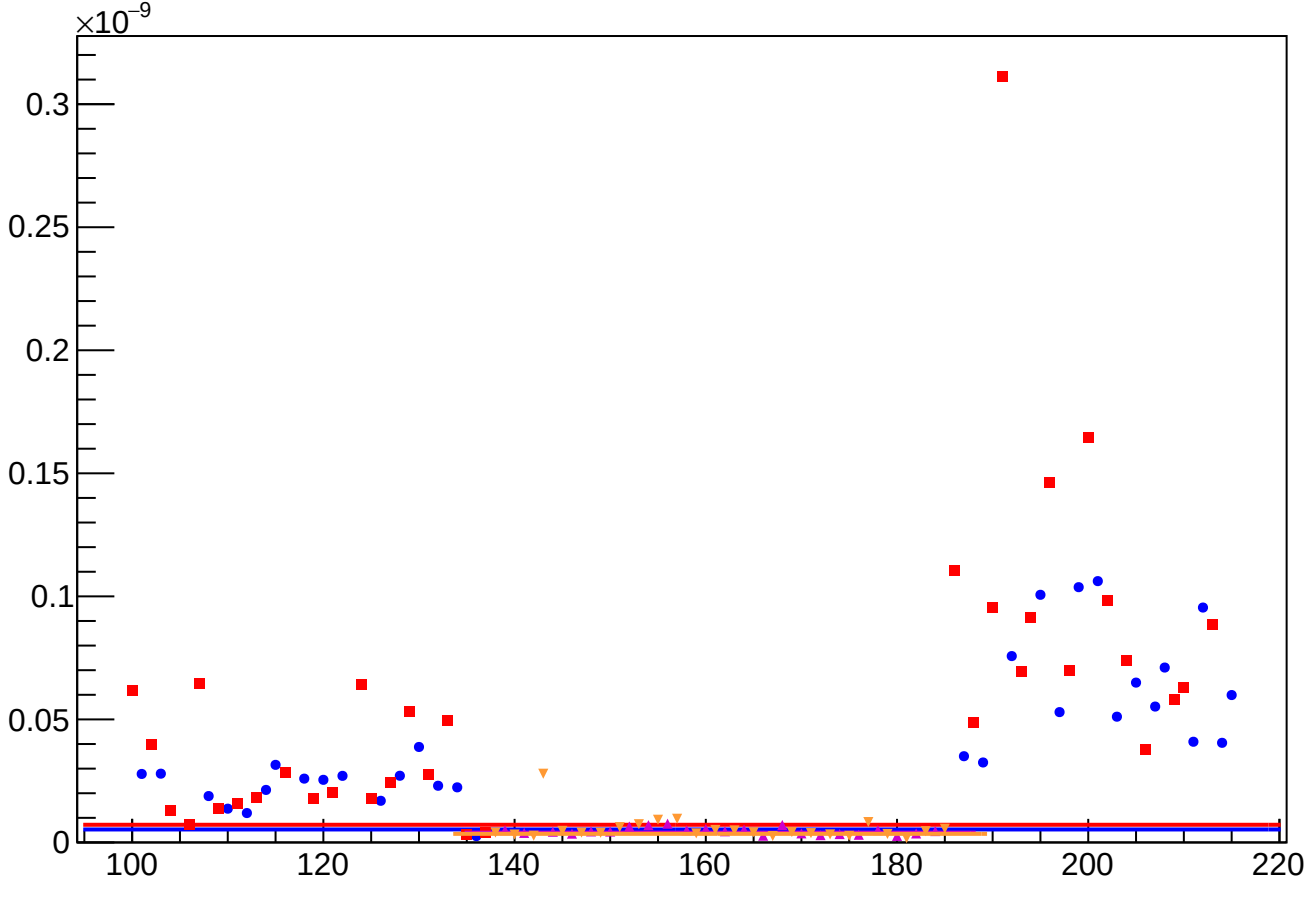
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 82.8/64

In: 0.000+/-0.000 χ^2/NDF:47.3/53

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 134.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 15898013.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15413887.2/33

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

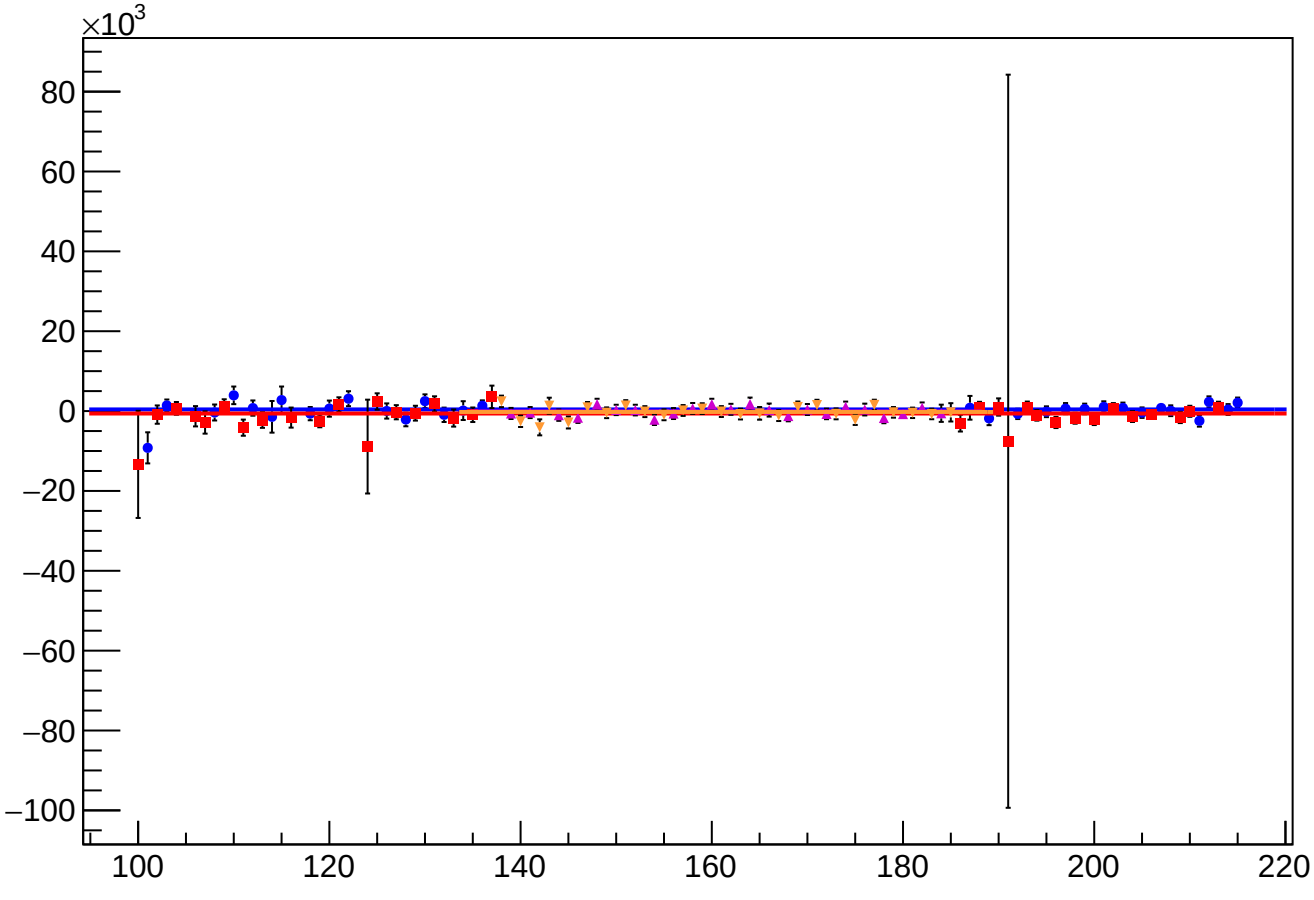
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 31566699.4/64

In: 0.000+/-0.000 χ^2/NDF:18237421.7/53

Out: 0.000+/-0.000 χ^2/NDF:21599697.2/58

All: 0.000+/-0.000 χ^2/NDF: 39972180.3/112



Right In: 411.603+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -610.508+/-296.068 χ^2/NDF: 29.5/33

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

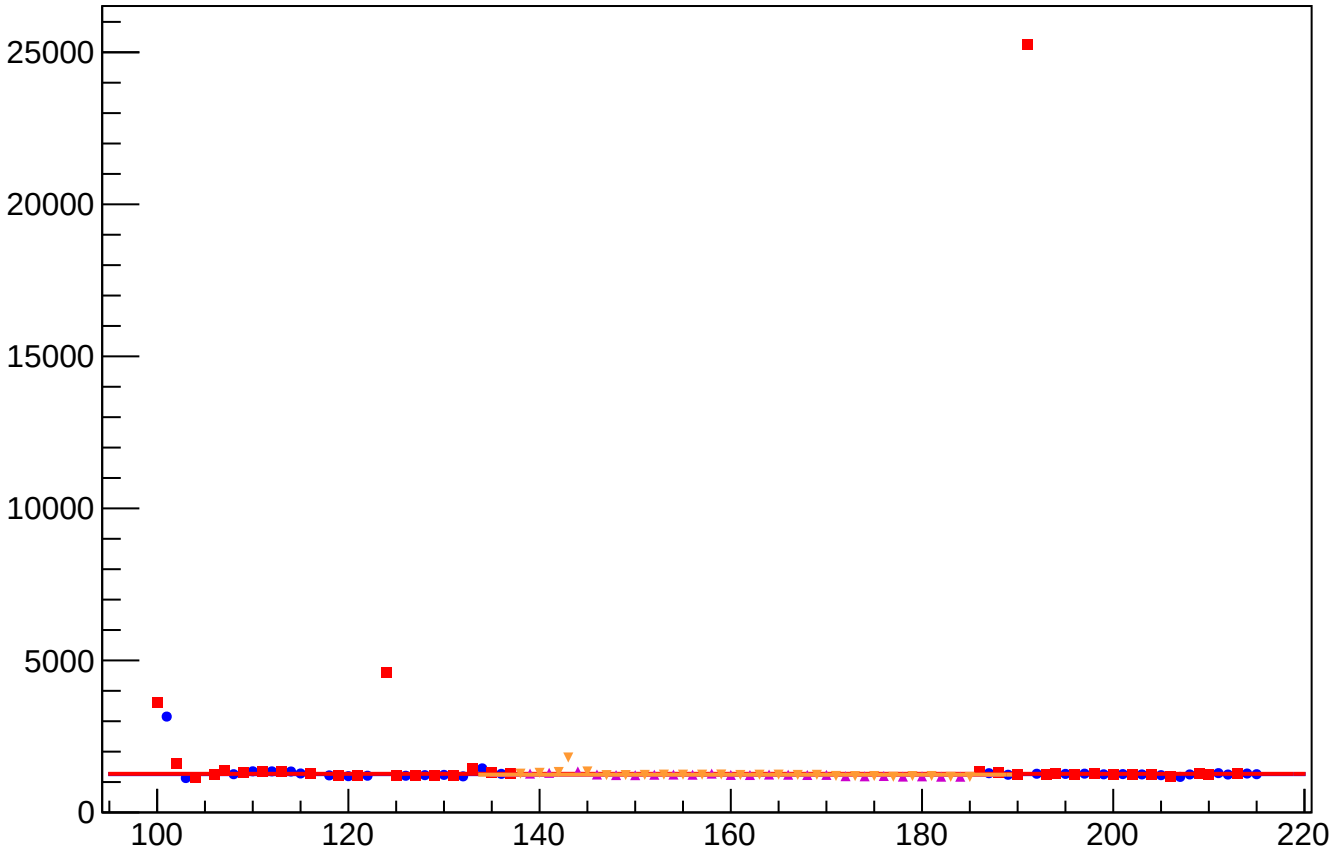
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -87.030+/-206.791 χ^2/NDF: 63.8/64

In: 158.955+/-204.061 χ^2/NDF:44.4/53

Out: -406.860+/-204.596 χ^2/NDF:54.3/58

All: -123.212+/-144.482 χ^2/NDF: 102.6/112



Right In: 1259.920+/-0.204 χ^2/NDF: 535655.7/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.368+/-0.209 χ^2/NDF: 486683.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

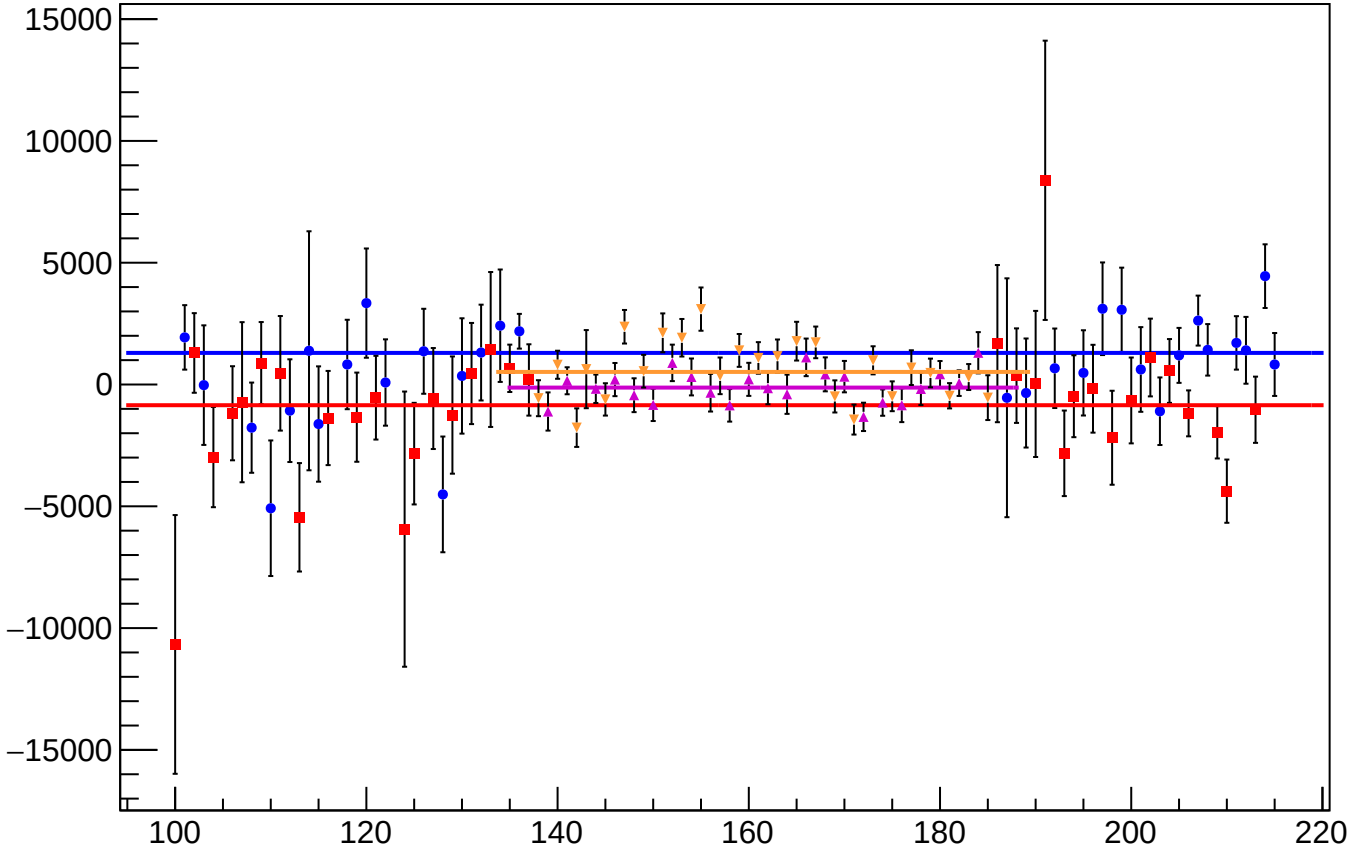
Right: 1265.017+/-0.146 χ^2/NDF: 1023615.0/64

In: 1246.803+/-0.144 χ^2/NDF:583159.8/53

Out: 1255.978+/-0.145 χ^2/NDF:699026.2/58

All: 1251.378+/-0.102 χ^2/NDF: 1284202.3/11

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1297.622+/-276.313 χ^2/NDF: 34.5/30

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -849.942+/-296.847 χ^2/NDF: 34.6/33

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

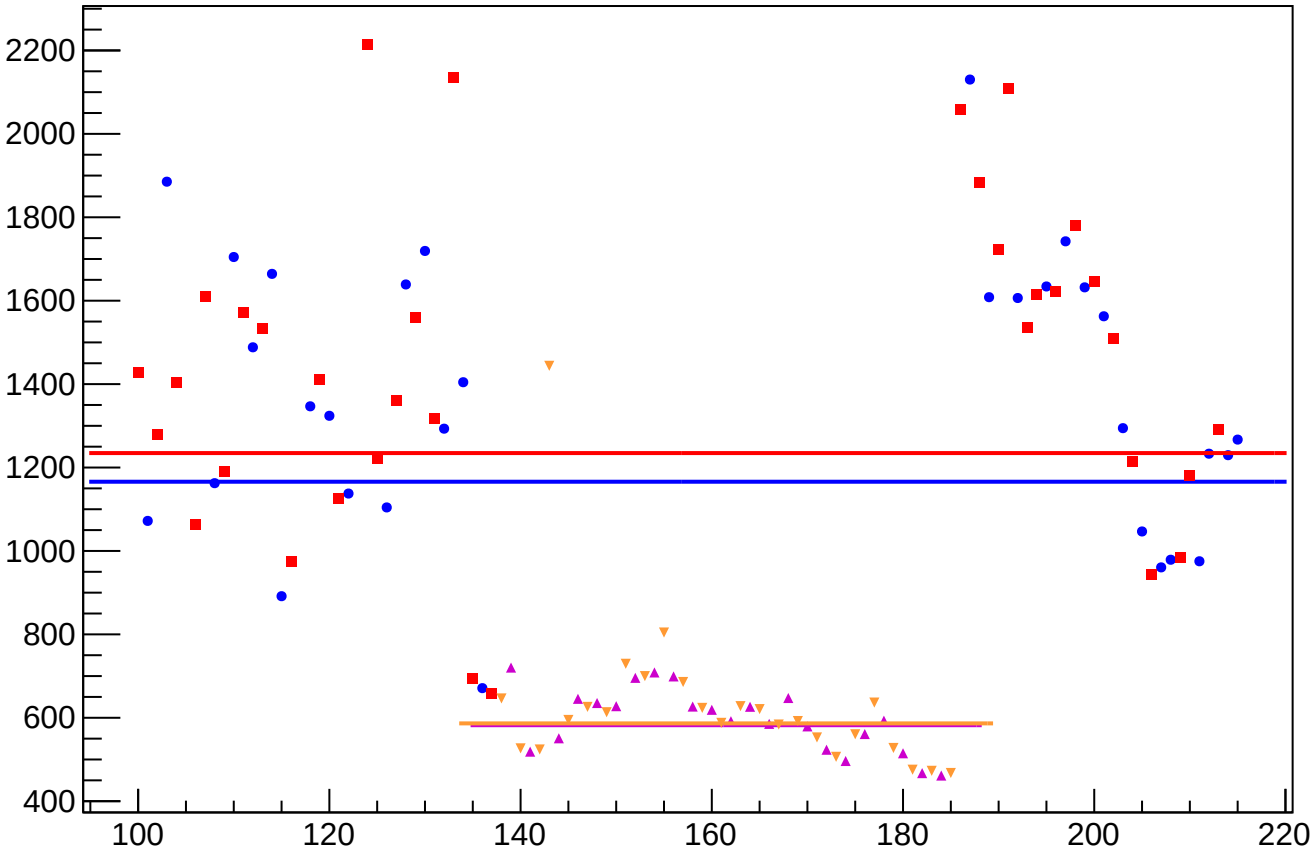
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 300.680+/-202.253 χ^2/NDF: 97.1/64

In: 155.334+/-122.933 χ^2/NDF:77.4/53

Out: 280.415+/-123.451 χ^2/NDF:119.1/58

All: 217.612+/-87.109 χ^2/NDF: 197.0/112



Right In: 1165.972+/-0.195 χ^2/NDF: 2707490.2/30

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1234.671+/-0.210 χ^2/NDF: 2737754.5/33

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

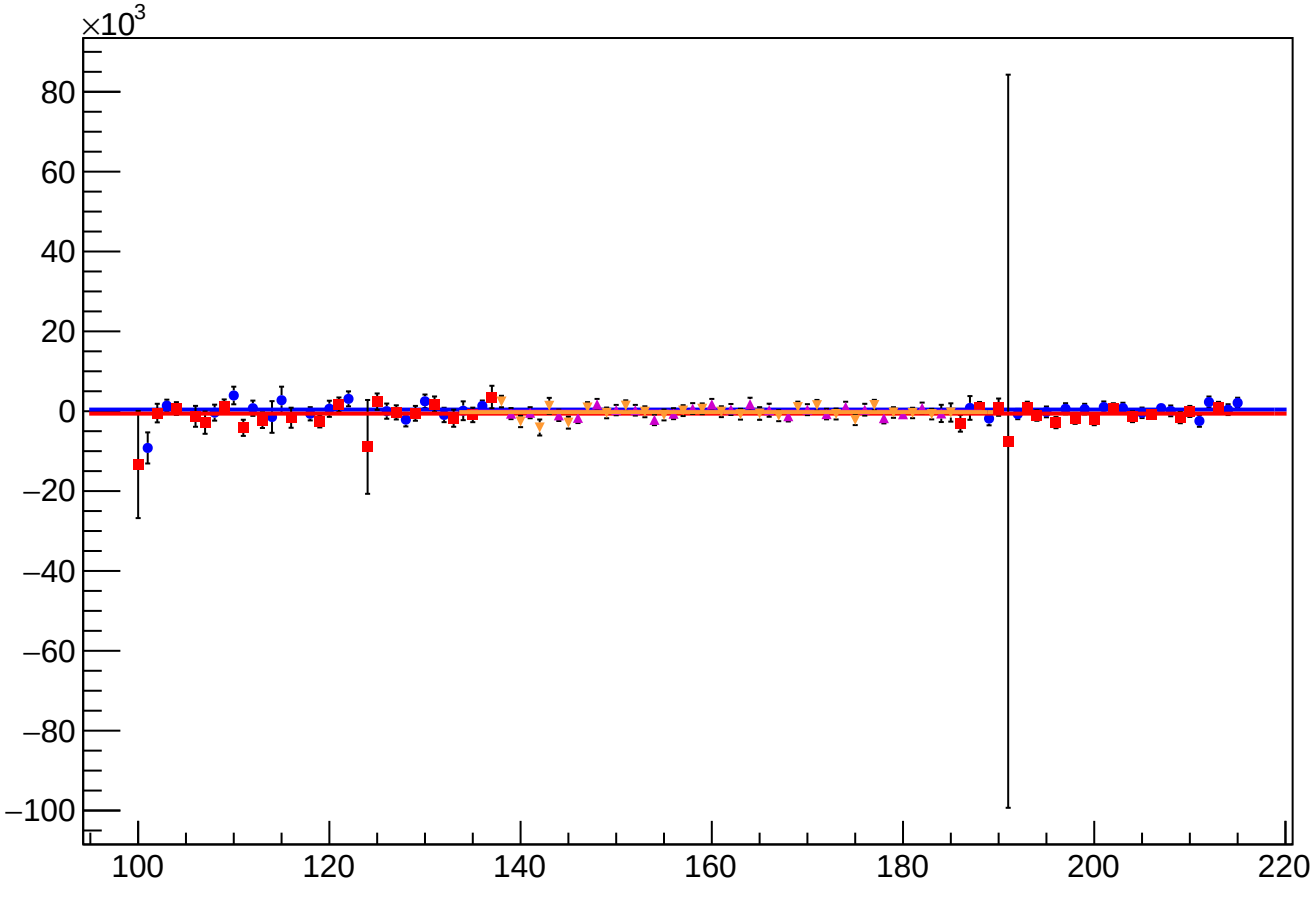
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1197.864+/-0.143 χ^2/NDF: 5502636.7/64

In: 697.744+/-0.087 χ^2/NDF:10427132.1/53

Out: 698.649+/-0.087 χ^2/NDF:11825621.9/58

All: 698.194+/-0.062 χ^2/NDF: 22252807.9/1



Right In: 411.786+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -602.837+/-296.258 χ^2/NDF: 29.5/33

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

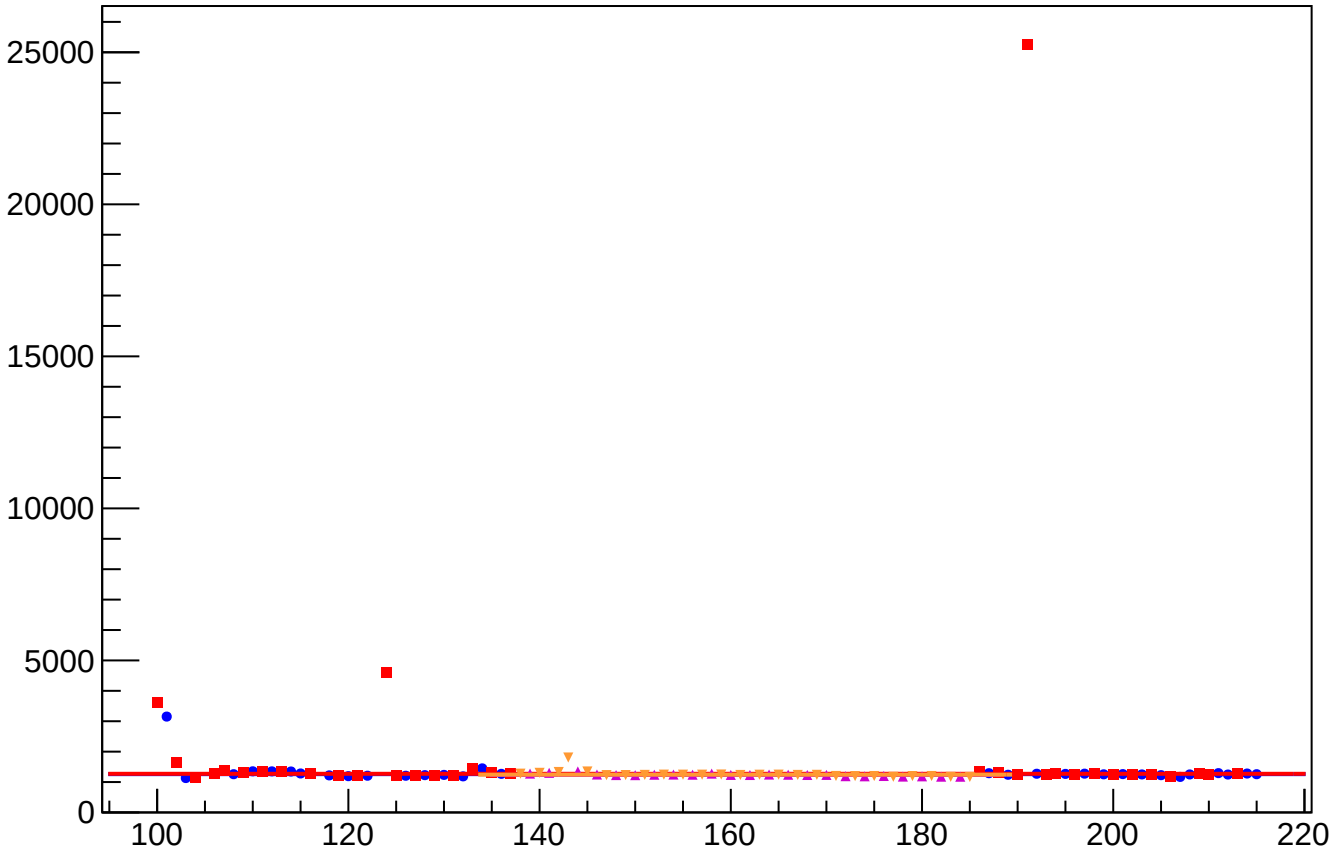
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -82.867+/-206.856 χ^2/NDF: 63.7/64

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -121.219+/-144.504 χ^2/NDF: 102.5/112



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.220+/-0.209 χ^2/NDF: 493838.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

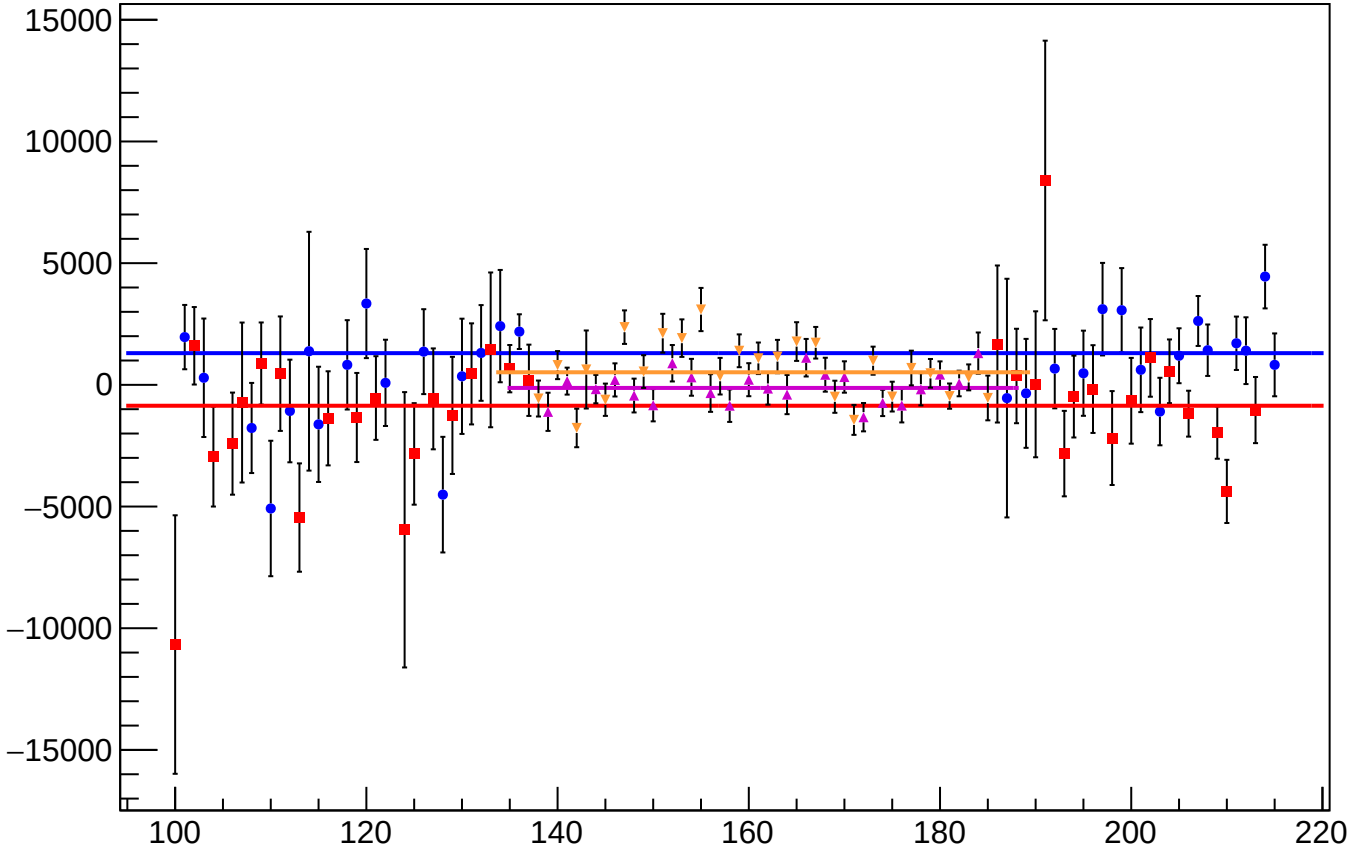
Right: 1265.429+/-0.146 χ^2/NDF: 1030986.8/64

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.575+/-0.102 χ^2/NDF: 1292098.0/11

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1302.736+/-276.264 χ^2/NDF: 34.4/30

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -858.389+/-297.110 χ^2/NDF: 35.7/33

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

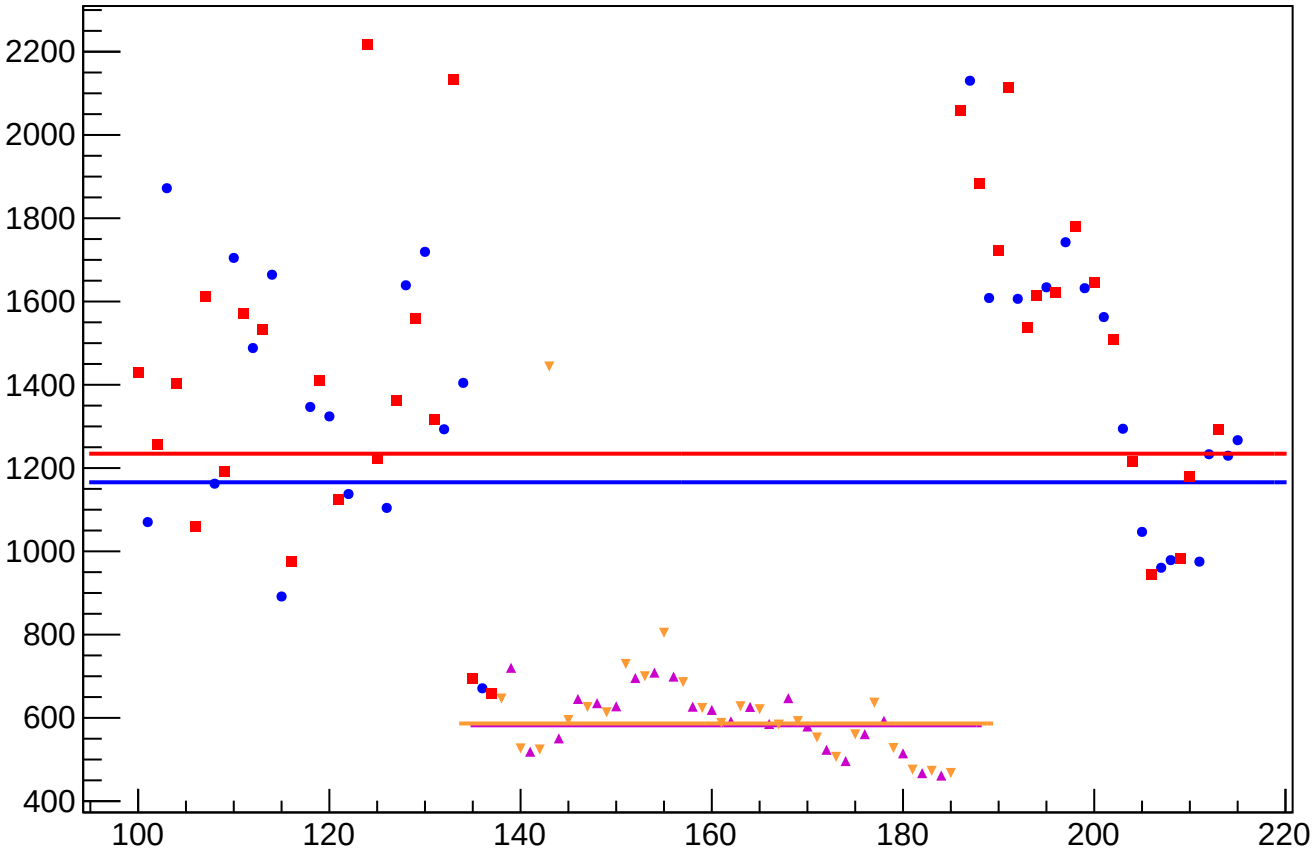
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 300.641+/-202.317 χ^2/NDF: 98.5/64

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 217.608+/-87.114 χ^2/NDF: 198.4/112



Right In: 1165.861+/-0.195 χ^2/NDF: 2704419.4/30

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.519+/-0.210 χ^2/NDF: 2735110.5/33

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

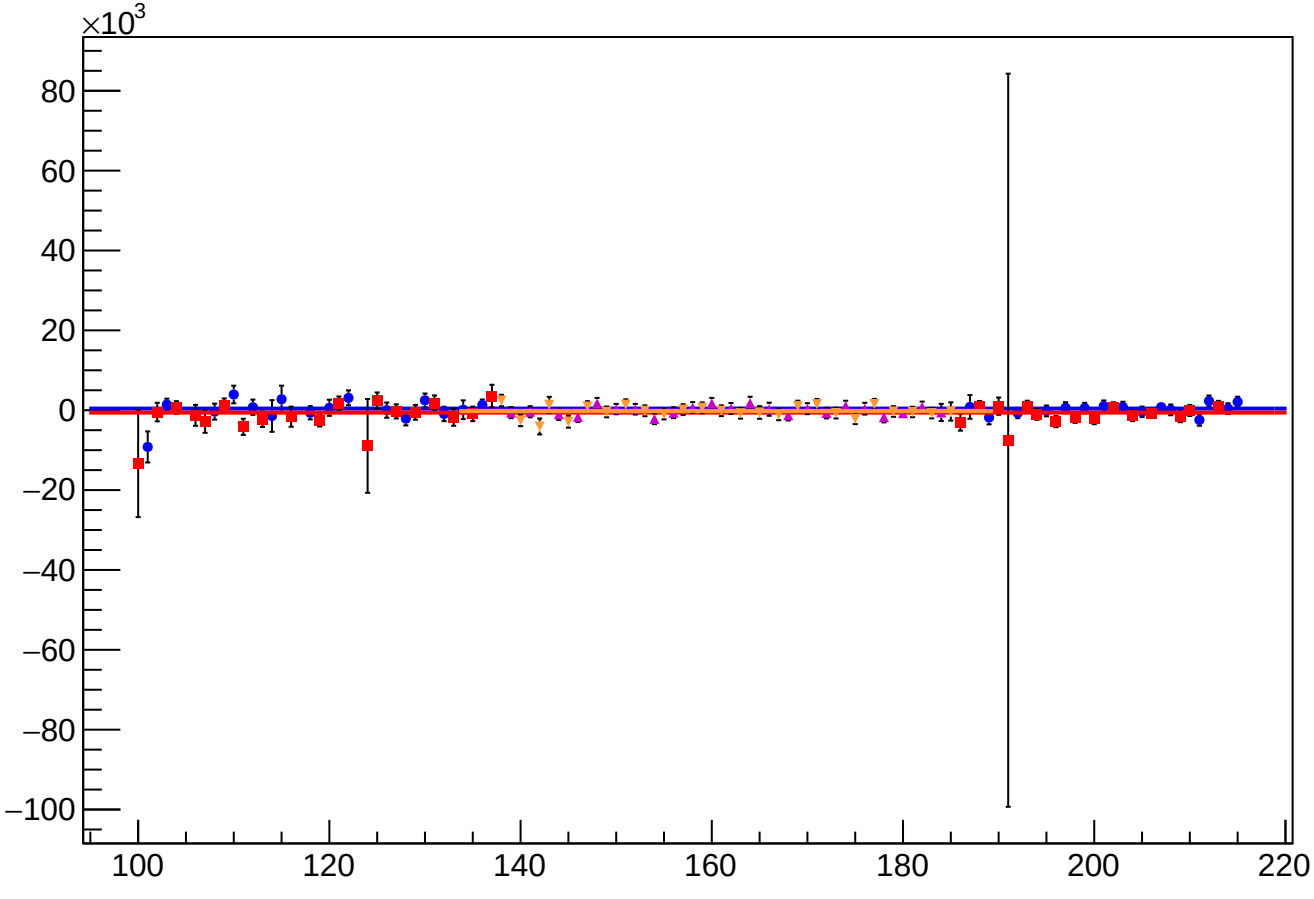
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1197.697+/-0.143 χ^2/NDF: 5496809.4/64

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 698.106+/-0.062 χ^2/NDF: 22230936.9/11



Right In: 411.786+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -602.837+/-296.258 χ^2/NDF: 29.5/33

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

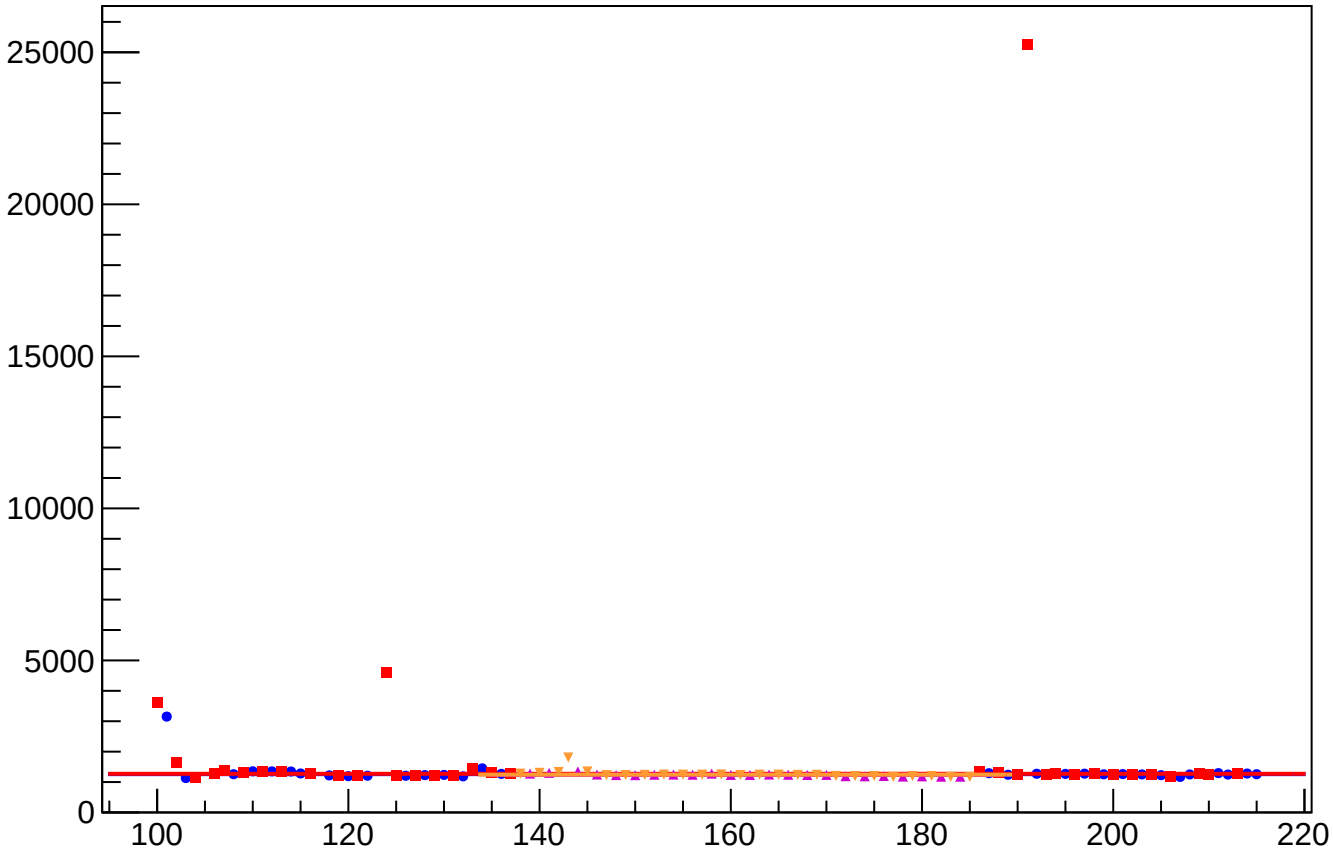
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -82.867+/-206.856 χ^2/NDF: 63.7/64

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -121.219+/-144.504 χ^2/NDF: 102.5/112



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.220+/-0.209 χ^2/NDF: 493838.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

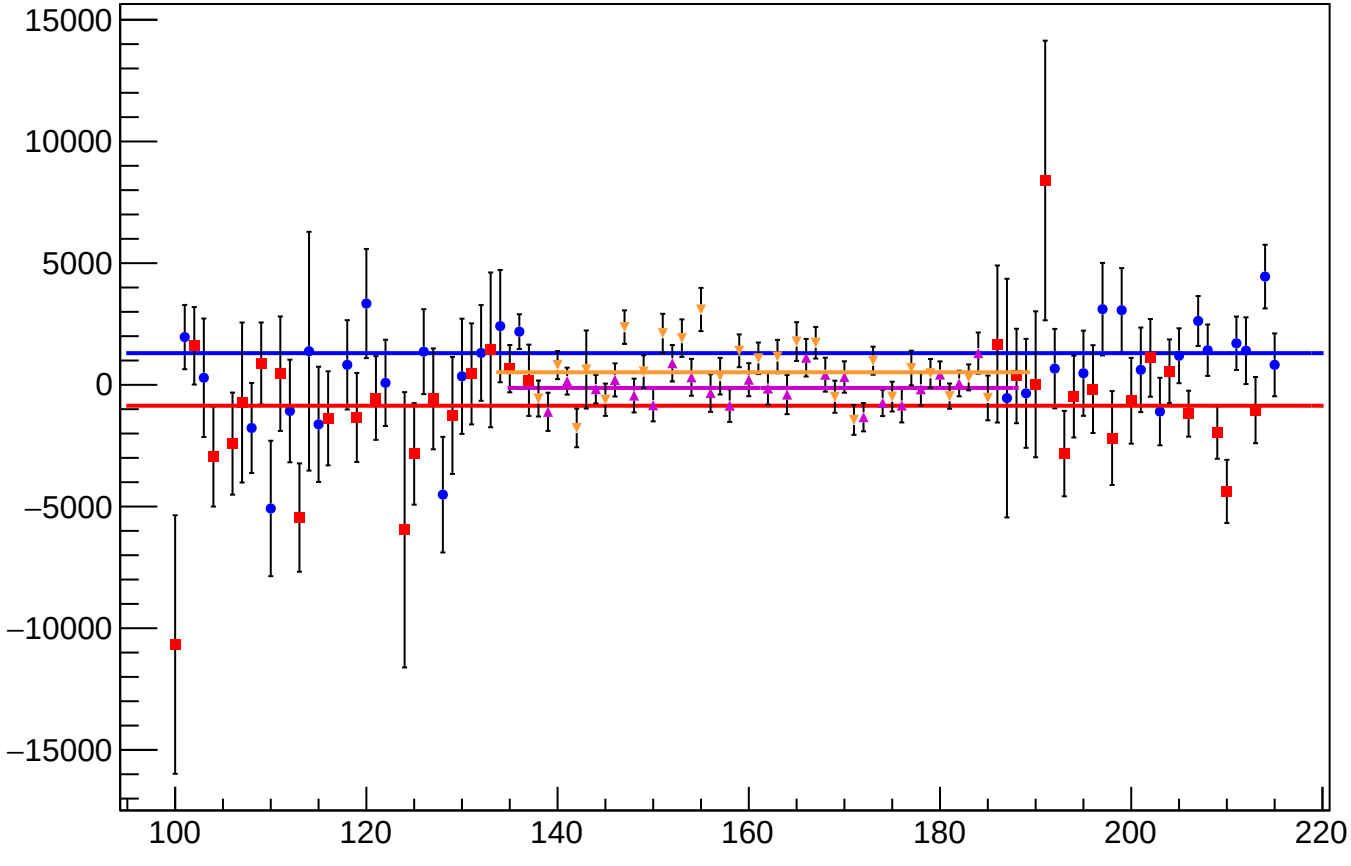
Right: 1265.429+/-0.146 χ^2/NDF: 1030986.8/64

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.575+/-0.102 χ^2/NDF: 1292098.0/11

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1302.736+/-276.264 χ^2/NDF: 34.4/30

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -858.389+/-297.110 χ^2/NDF: 35.7/33

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

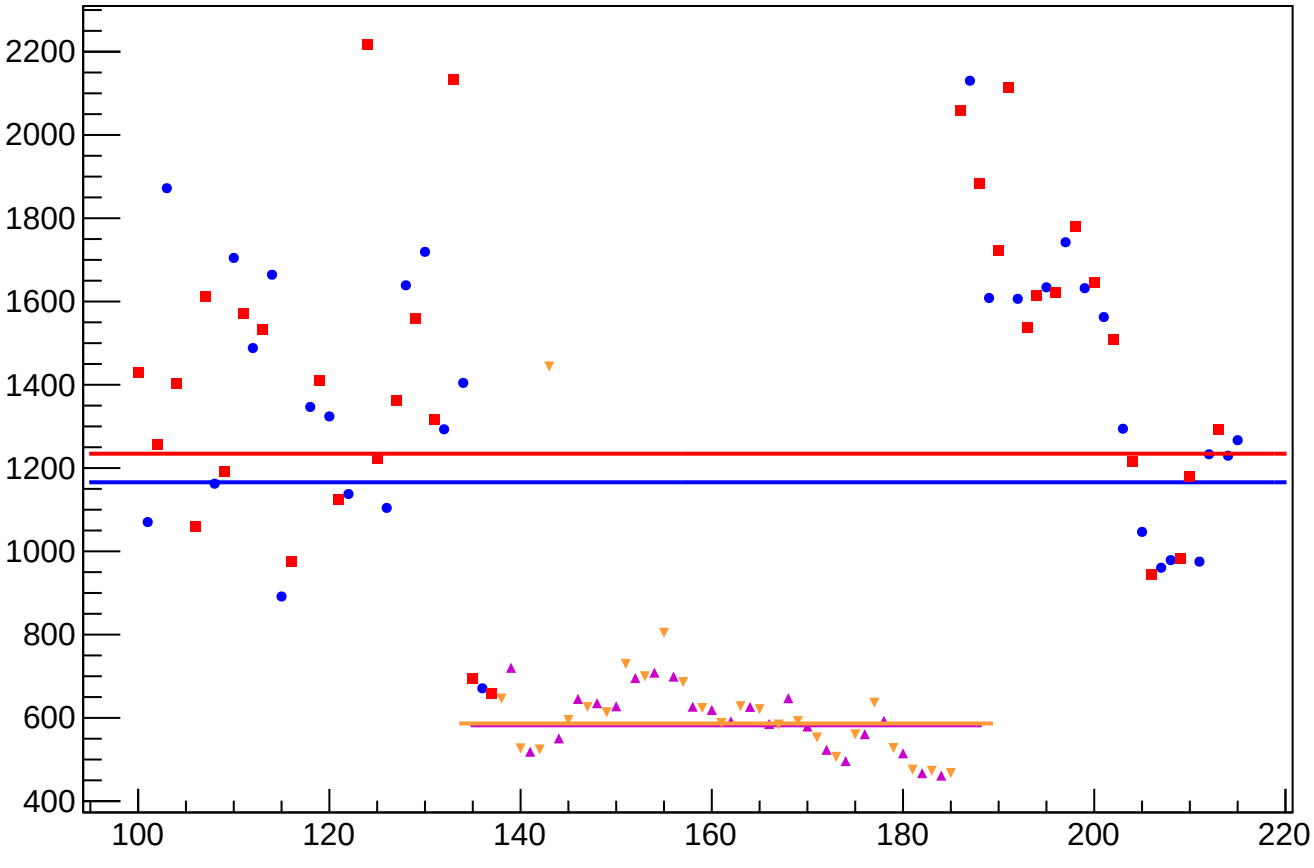
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 300.641+/-202.317 χ^2/NDF: 98.5/64

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 217.608+/-87.114 χ^2/NDF: 198.4/112



Right In: 1165.861+/-0.195 χ^2/NDF: 2704419.4/30

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.519+/-0.210 χ^2/NDF: 2735110.5/33

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

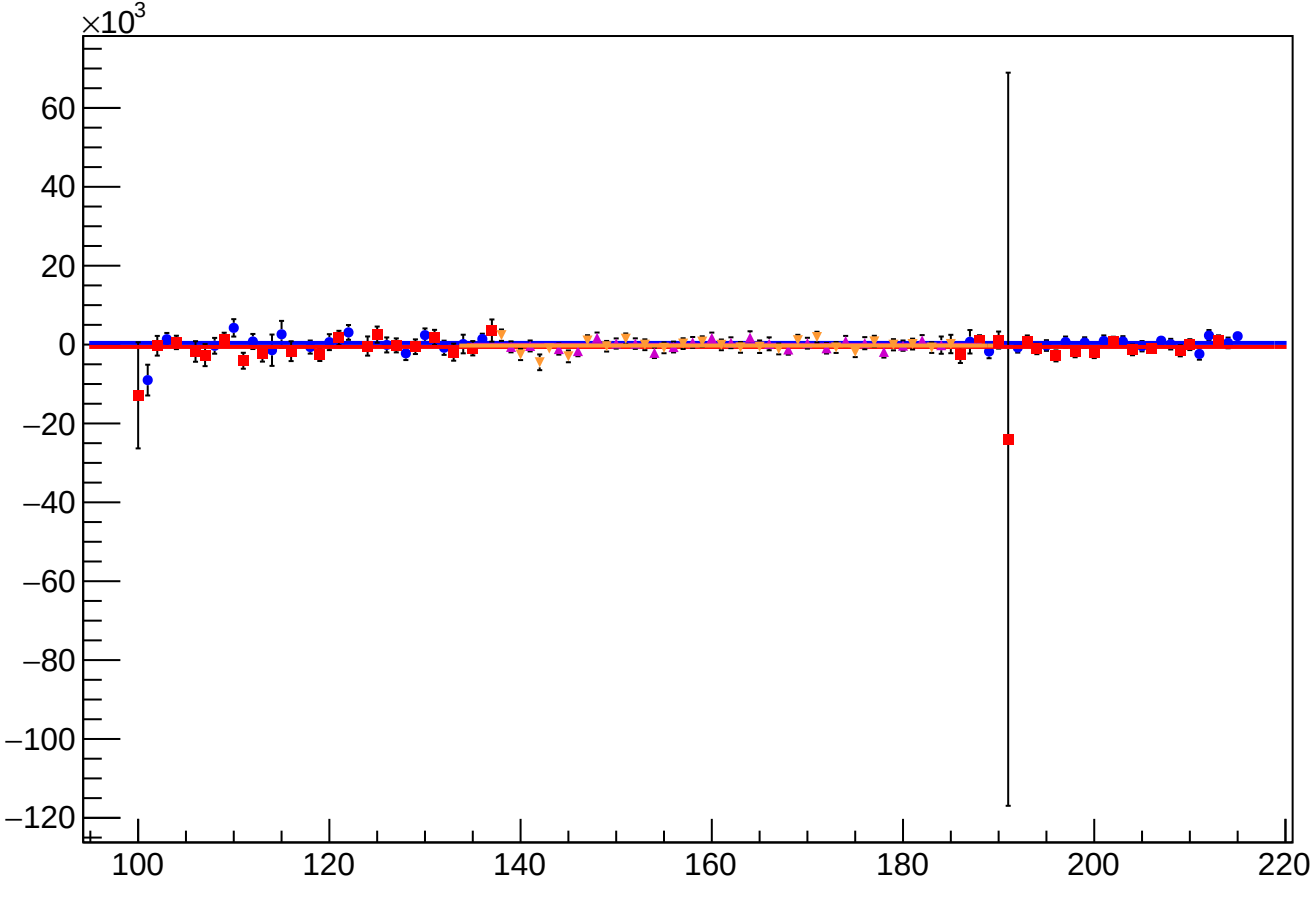
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1197.697+/-0.143 χ^2/NDF: 5496809.4/64

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 698.106+/-0.062 χ^2/NDF: 22230936.9/11



Right In: 420.174+/-289.813 χ^2/NDF: 28.2/30

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -600.486+/-295.575 χ^2/NDF: 29.0/33

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

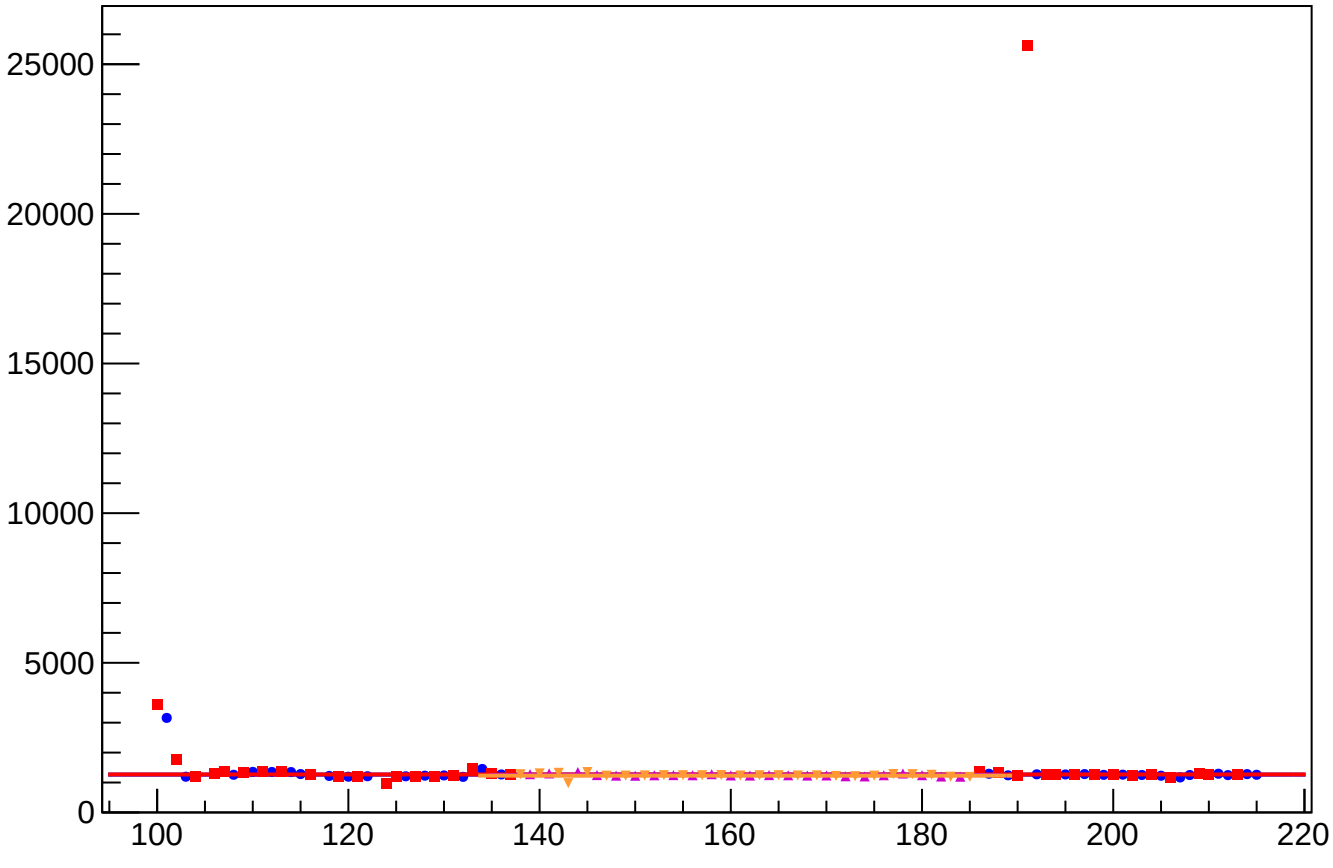
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -80.112+/-206.936 χ^2/NDF: 63.3/64

In: 174.047+/-205.508 χ^2/NDF:43.6/53

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -124.329+/-144.509 χ^2/NDF: 101.6/112



Right In: 1263.810+/-0.205 χ^2/NDF: 525470.7/30

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.823+/-0.209 χ^2/NDF: 385102.1/33

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

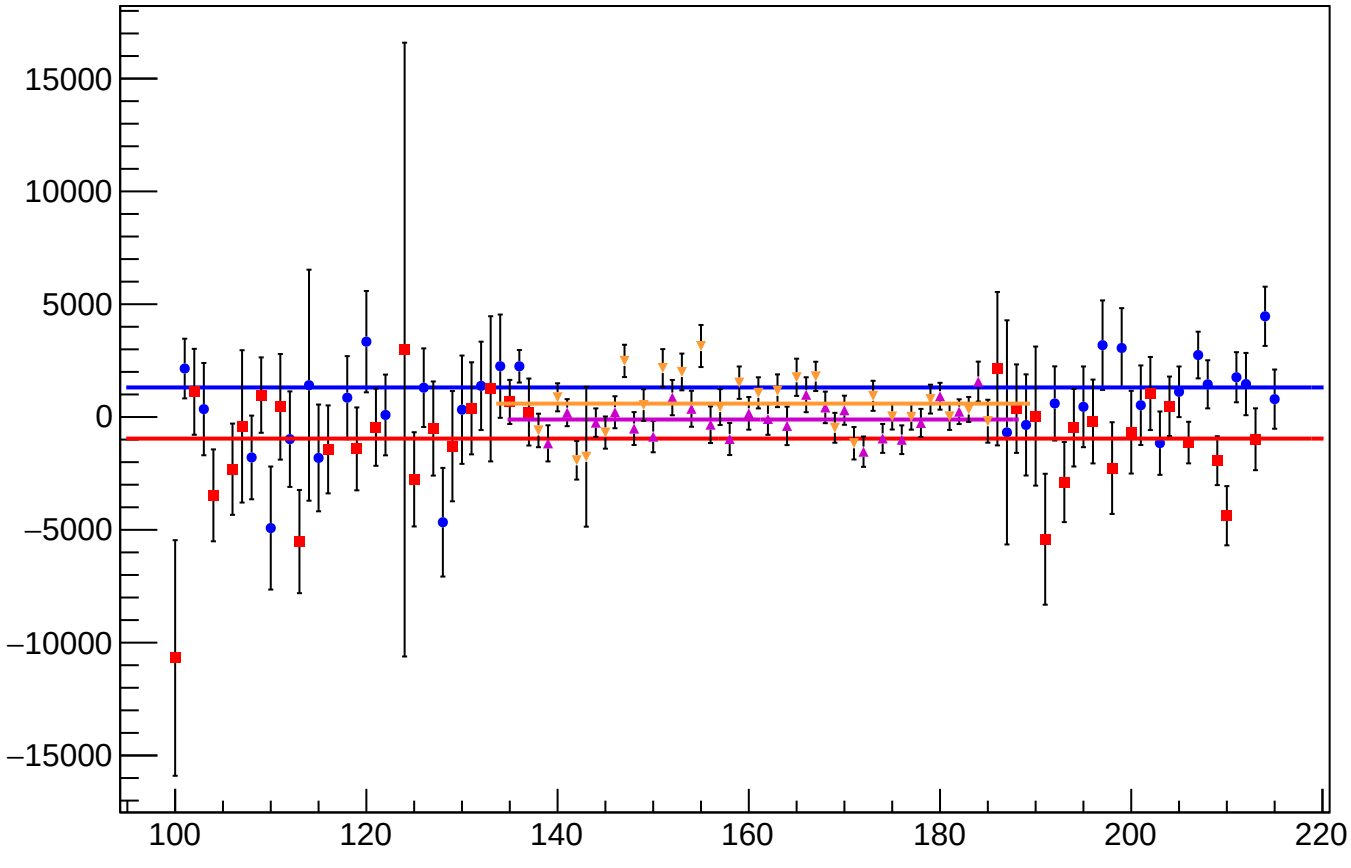
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.758+/-0.146 χ^2/NDF: 910994.7/64

In: 1255.843+/-0.145 χ^2/NDF:555851.6/53

Out: 1248.822+/-0.144 χ^2/NDF:545862.1/58

All: 1252.294+/-0.102 χ^2/NDF: 1102893.8/11



Right In: 1311.254+/-277.760 χ^2/NDF: 35.5/30

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -955.684+/-299.553 χ^2/NDF: 33.7/33

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

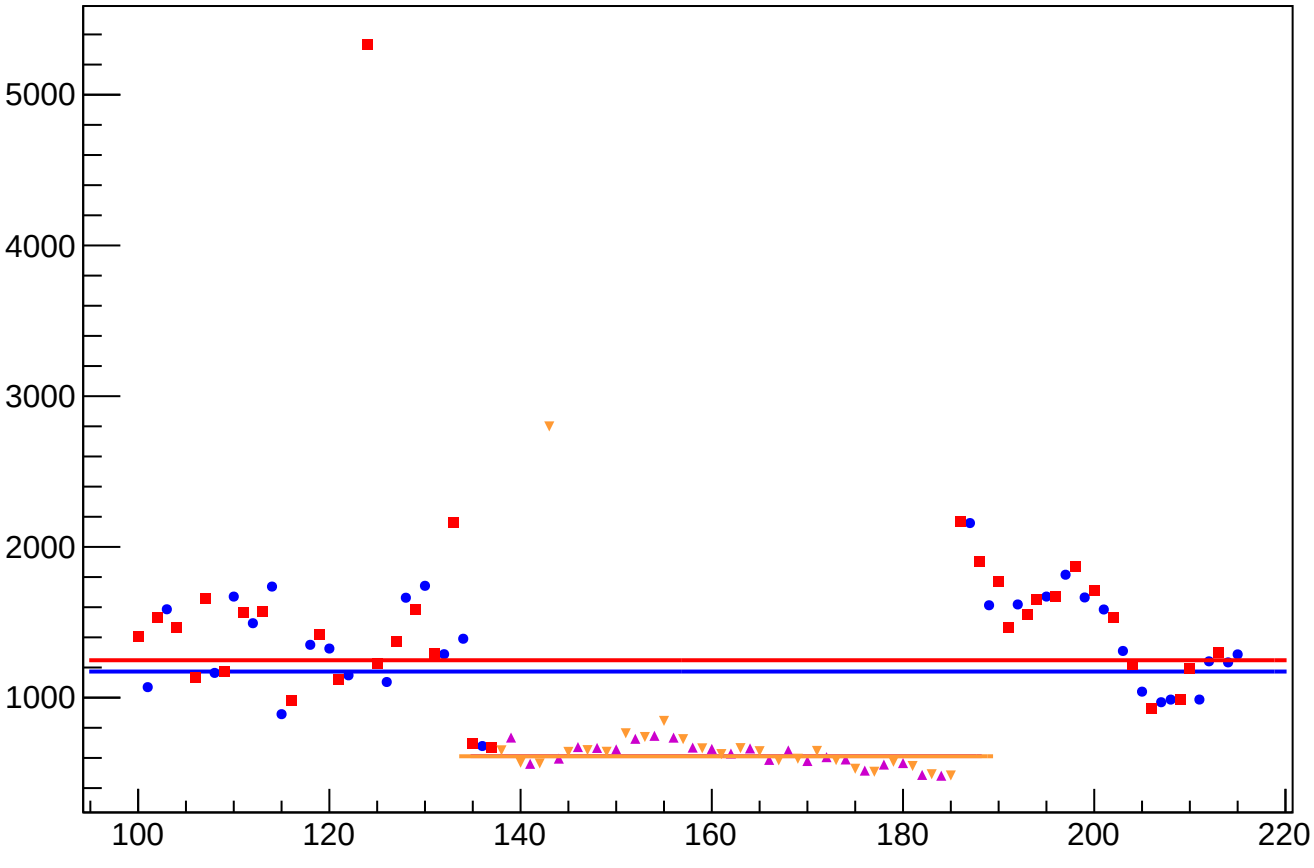
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 263.236+/-203.675 χ^2/NDF: 99.9/64

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 310.049+/-128.409 χ^2/NDF:112.9/58

All: 250.658+/-90.655 χ^2/NDF: 195.1/112



Right In: 1173.201+/-0.196 χ^2/NDF: 2646017.2/30

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1248.155+/-0.212 χ^2/NDF: 3030885.4/33

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

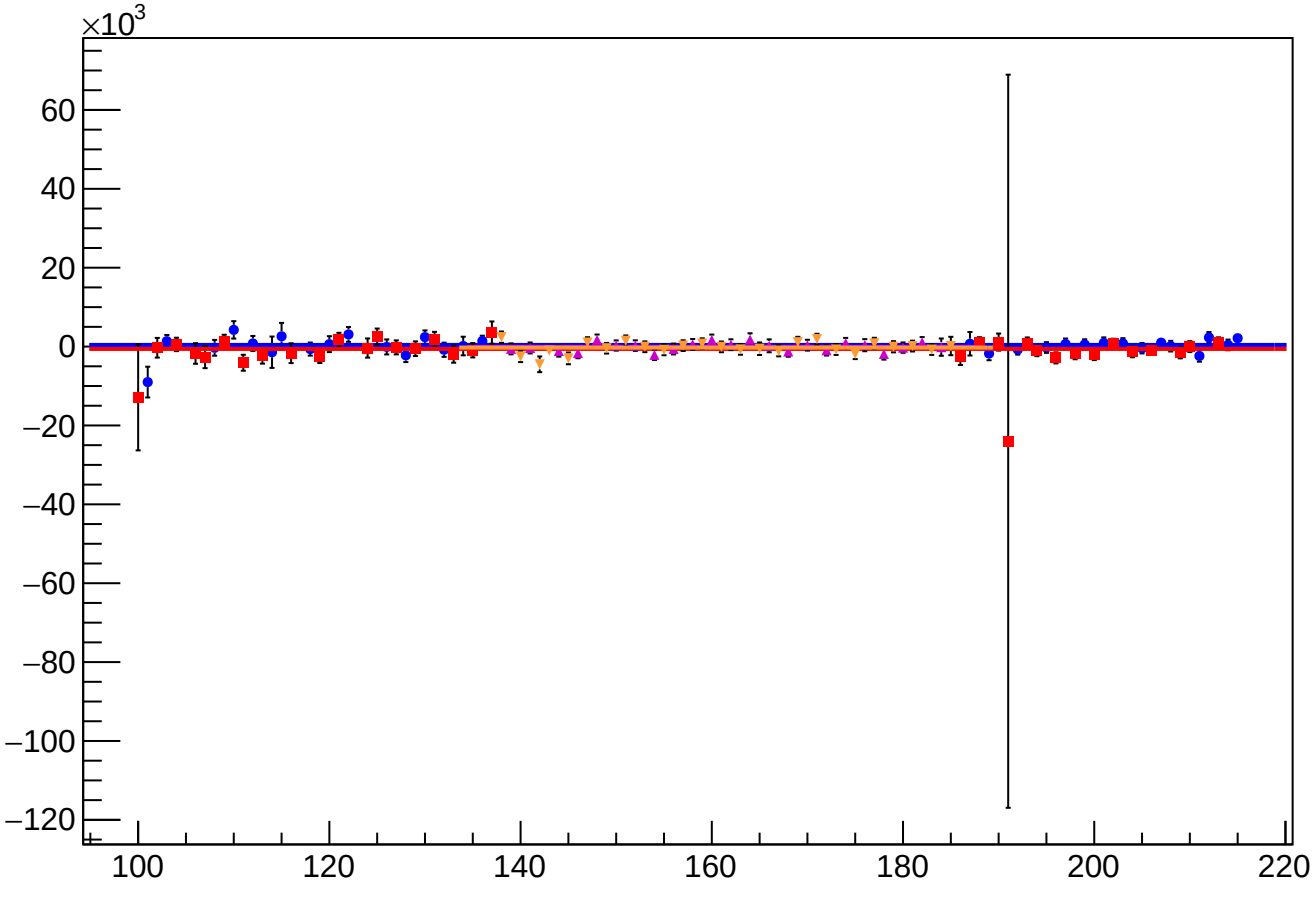
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1207.853+/-0.144 χ^2/NDF: 5744231.9/64

In: 731.499+/-0.091 χ^2/NDF:9575994.7/53

Out: 728.153+/-0.091 χ^2/NDF:12033909.7/58

All: 729.832+/-0.064 χ^2/NDF: 21610585.7/1



Right In: 420.171+/-289.813 χ^2/NDF: 28.2/30

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -600.485+/-295.575 χ^2/NDF: 29.0/33

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

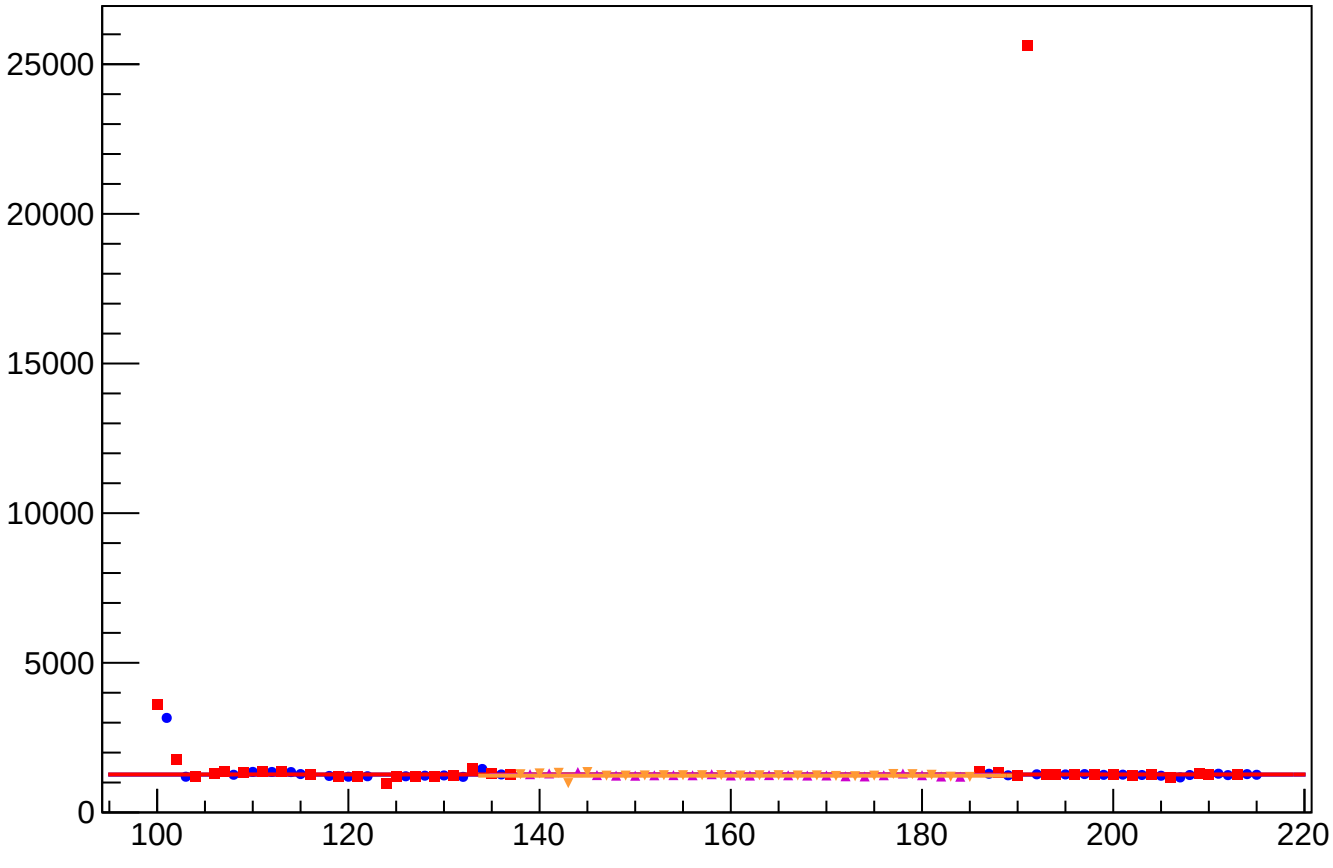
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -80.113+/-206.936 χ^2/NDF: 63.3/64

In: 174.046+/-205.508 χ^2/NDF:43.6/53

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -124.330+/-144.509 χ^2/NDF: 101.6/112



Right In: 1263.810+/-0.205 χ^2/NDF: 525470.8/30

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.823+/-0.209 χ^2/NDF: 385101.9/33

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

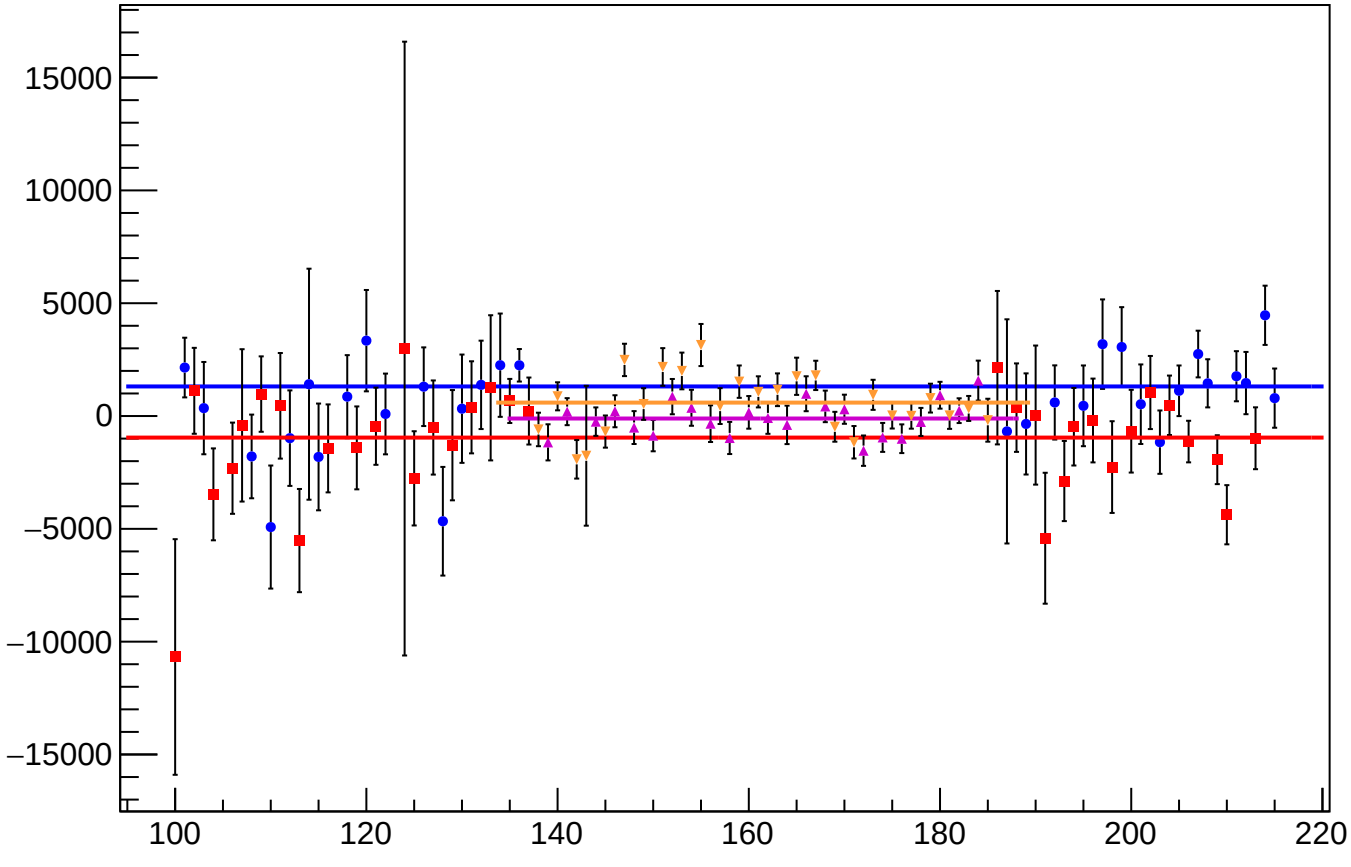
Right: 1266.757+/-0.146 χ^2/NDF: 910994.6/64

In: 1255.843+/-0.145 χ^2/NDF:555851.7/53

Out: 1248.822+/-0.144 χ^2/NDF:545861.0/58

All: 1252.294+/-0.102 χ^2/NDF: 1102892.7/11

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1311.253+/-277.760 χ^2/NDF: 35.5/30

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -955.689+/-299.553 χ^2/NDF: 33.7/33

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

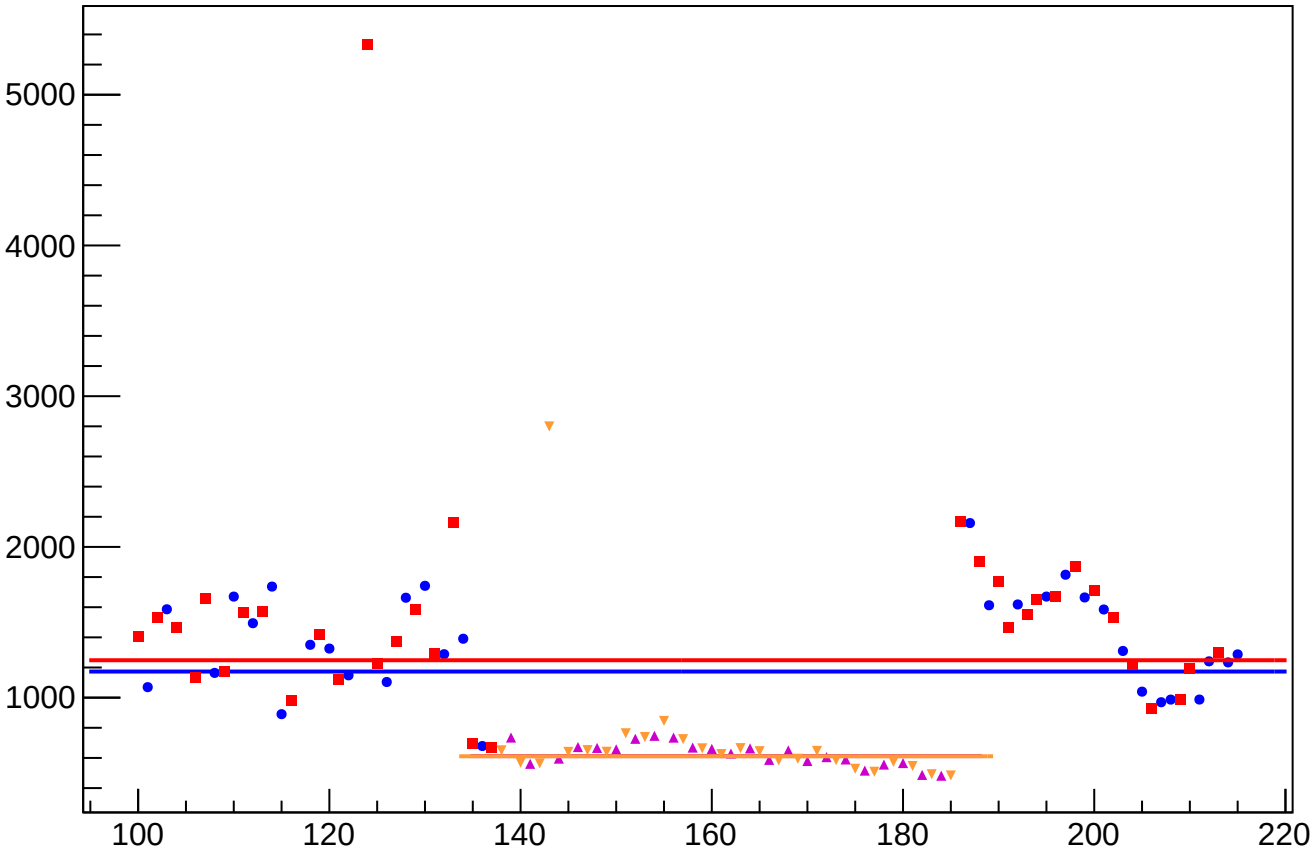
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 263.234+/-203.675 χ^2/NDF: 99.9/64

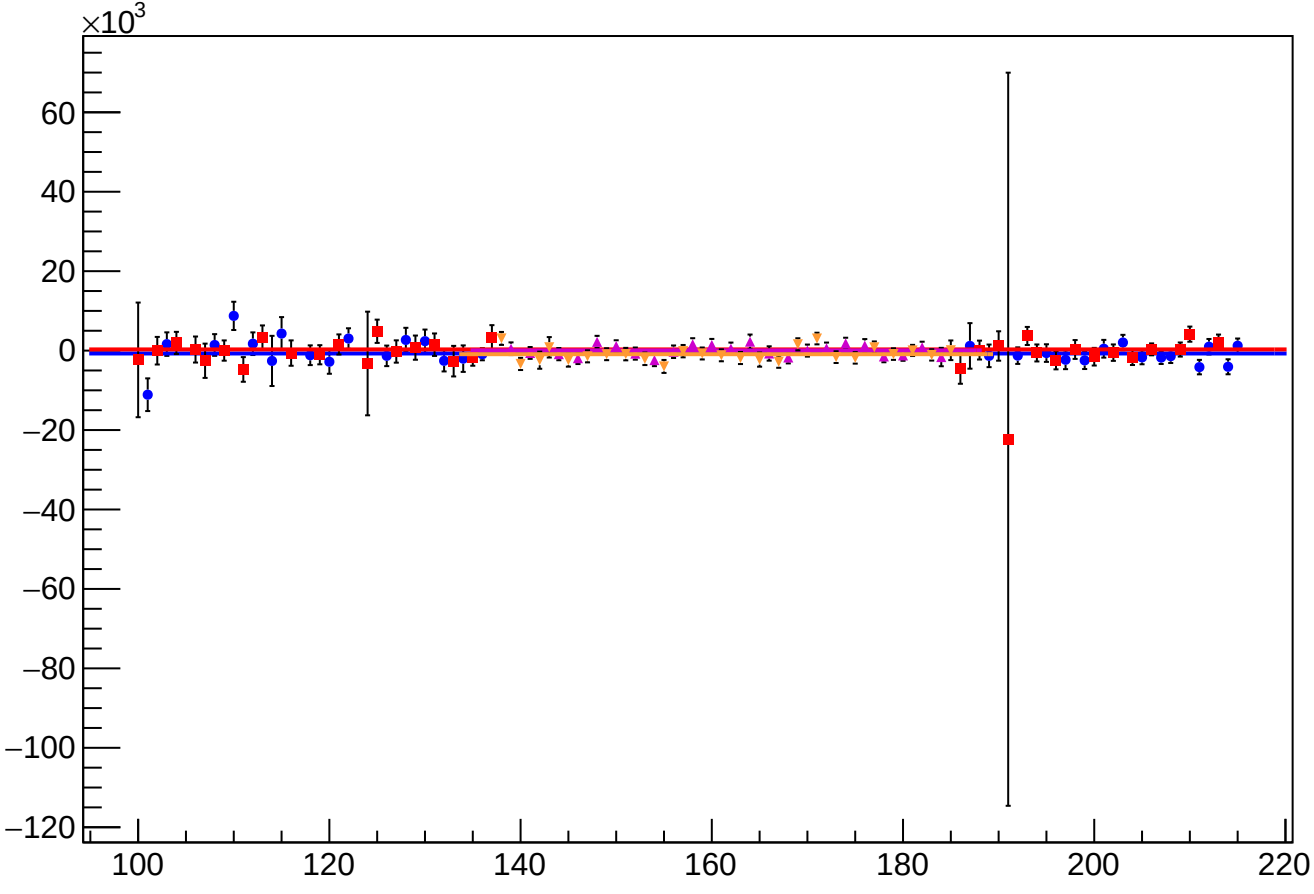
In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 310.049+/-128.409 χ^2/NDF:112.9/58

All: 250.657+/-90.655 χ^2/NDF: 195.1/112


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1173.202+/-0.196 χ²/NDF: 2645957.2/30
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1248.157+/-0.212 χ²/NDF: 3030828.6/33
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1207.854+/-0.144 χ²/NDF: 5744117.9/64
In: 731.499+/-0.091 χ²/NDF:9575977.9/53
Out: 728.153+/-0.091 χ²/NDF:12033901.6/58
All: 729.831+/-0.064 χ²/NDF: 21610560.6/1

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -721.502+/-419.243 χ^2/NDF: 35.8/30

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 300.705+/-440.031 χ^2/NDF: 22.8/33

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

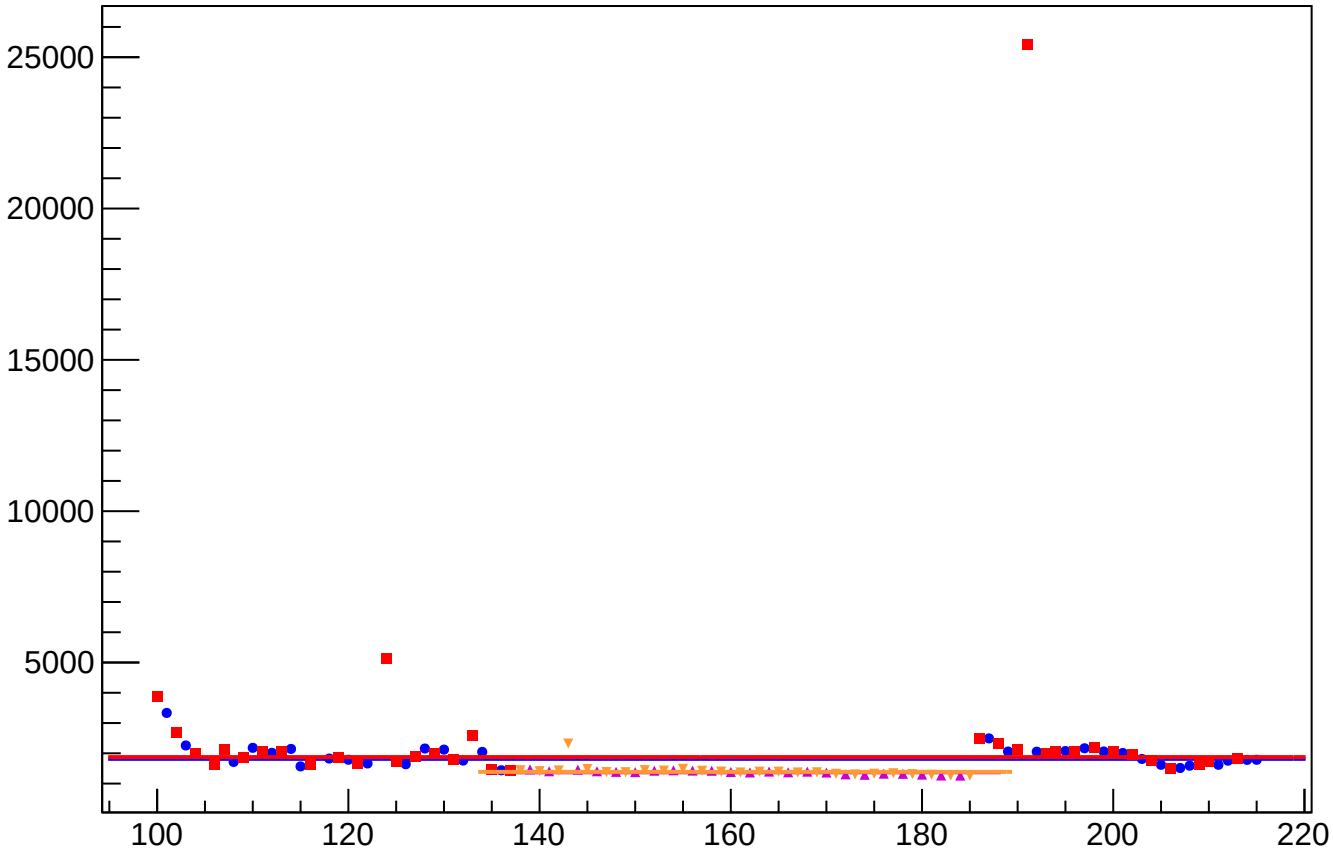
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -235.114+/-303.533 χ^2/NDF: 61.4/64

In: -236.201+/-254.835 χ^2/NDF:55.8/53

Out: -490.632+/-256.913 χ^2/NDF:57.5/58

All: -362.384+/-180.926 χ^2/NDF: 113.8/112



Right In: 1817.481+/-0.296 χ^2/NDF: 893605.4/30

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1874.851+/-0.311 χ^2/NDF: 1051720.1/33

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

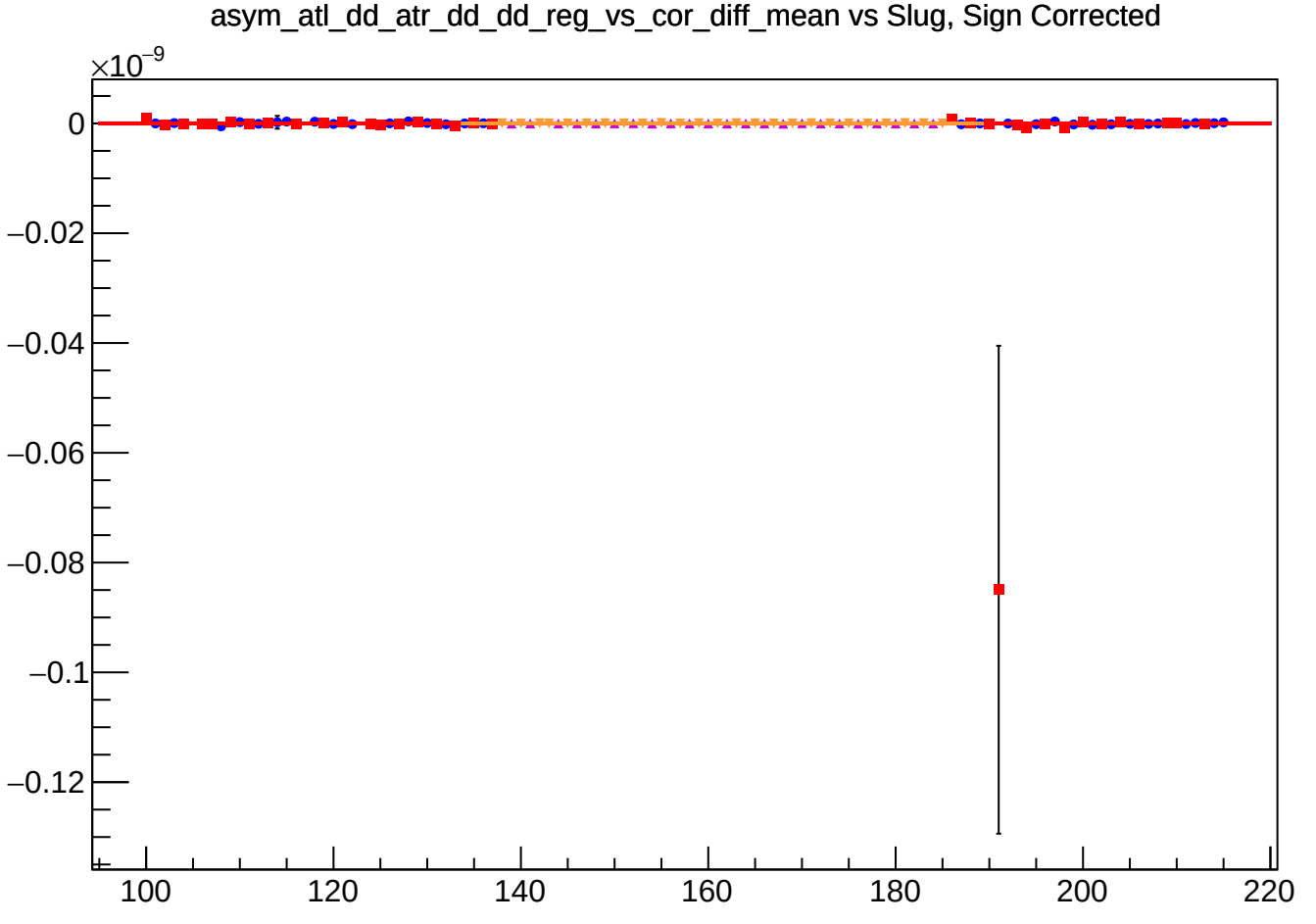
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1844.779+/-0.215 χ^2/NDF: 1963145.9/64

In: 1537.362+/-0.180 χ^2/NDF:2374136.6/53

Out: 1553.198+/-0.182 χ^2/NDF:3012877.7/58

All: 1545.216+/-0.128 χ^2/NDF: 5390844.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 49.0/33

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

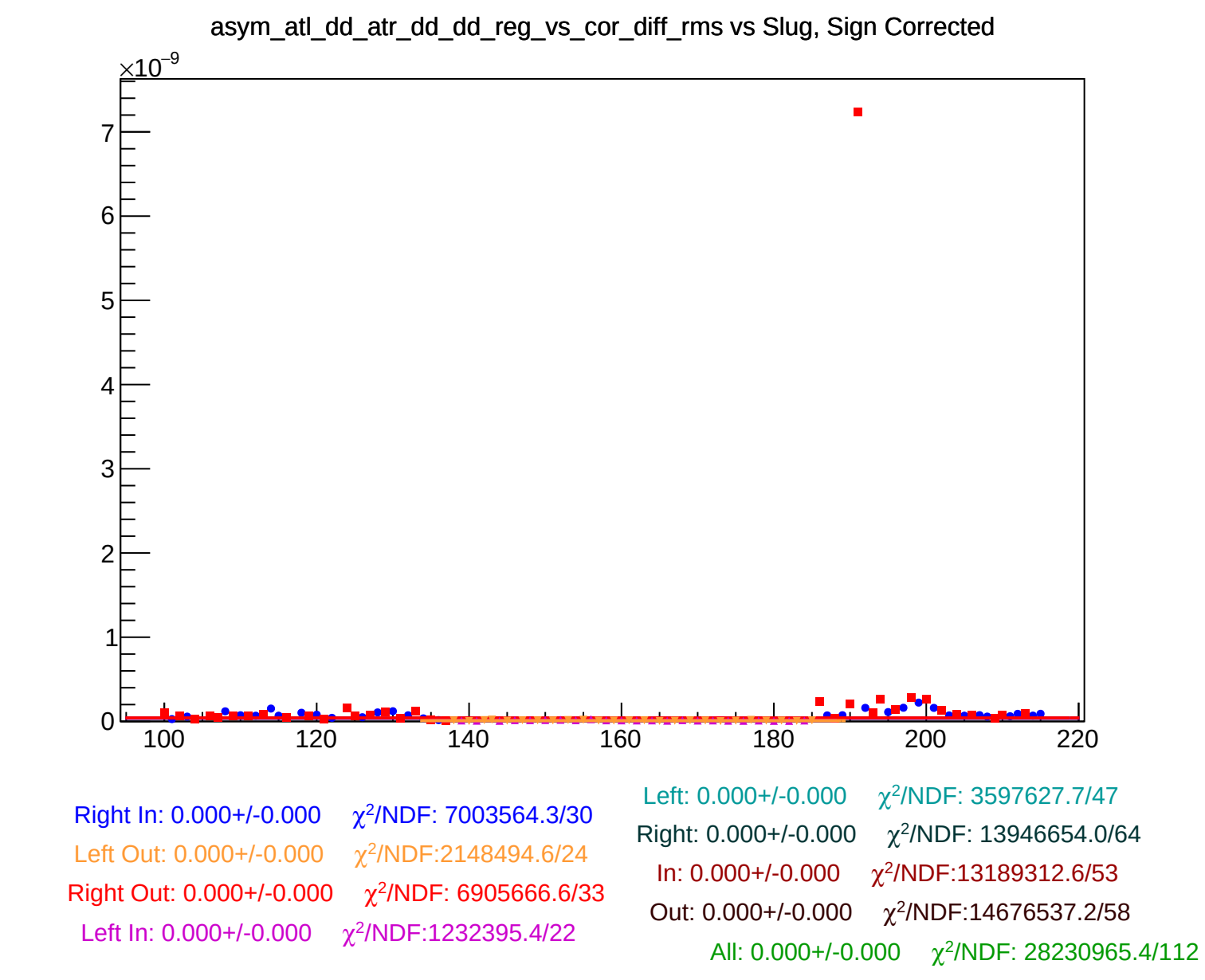
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 77.0/64

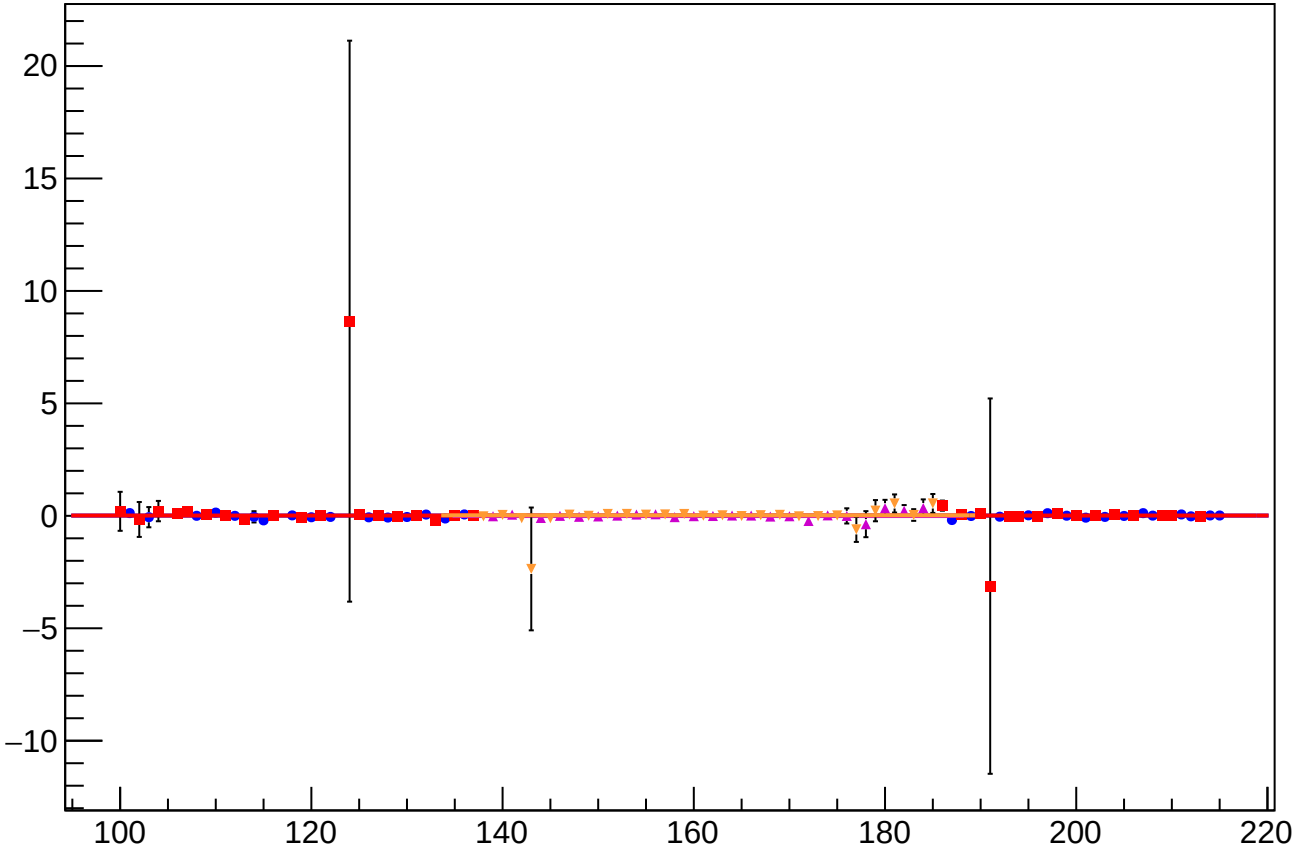
In: 0.000+/-0.000 χ^2/NDF:40.8/53

Out: 0.000+/-0.000 χ^2/NDF:74.6/58

All: 0.000+/-0.000 χ^2/NDF: 115.4/112


asym_atl_dd_atr_dd_dd_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: 7003564.3/30
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6905666.6/33
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
Left: 0.000+/-0.000 χ²/NDF: 3597627.7/47
Right: 0.000+/-0.000 χ²/NDF: 13946654.0/64
In: 0.000+/-0.000 χ²/NDF:13189312.6/53
Out: 0.000+/-0.000 χ²/NDF:14676537.2/58
All: 0.000+/-0.000 χ²/NDF: 28230965.4/112

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

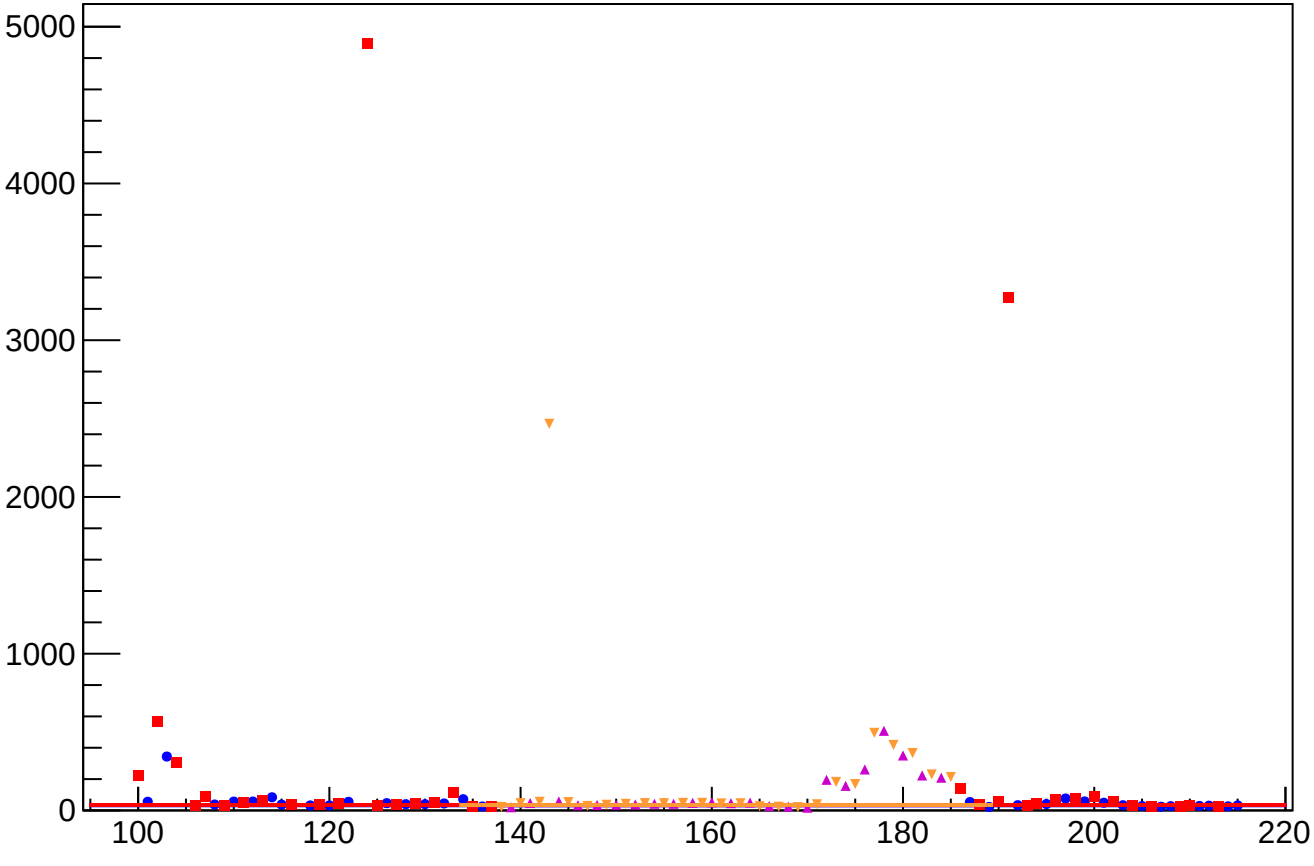
Right: 0.012+/-0.006 χ^2/NDF: 69.1/64

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/112

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.929+/-0.006 χ^2/NDF: 3733447.0/30

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 34.838+/-0.007 χ^2/NDF: 6484133.8/33

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

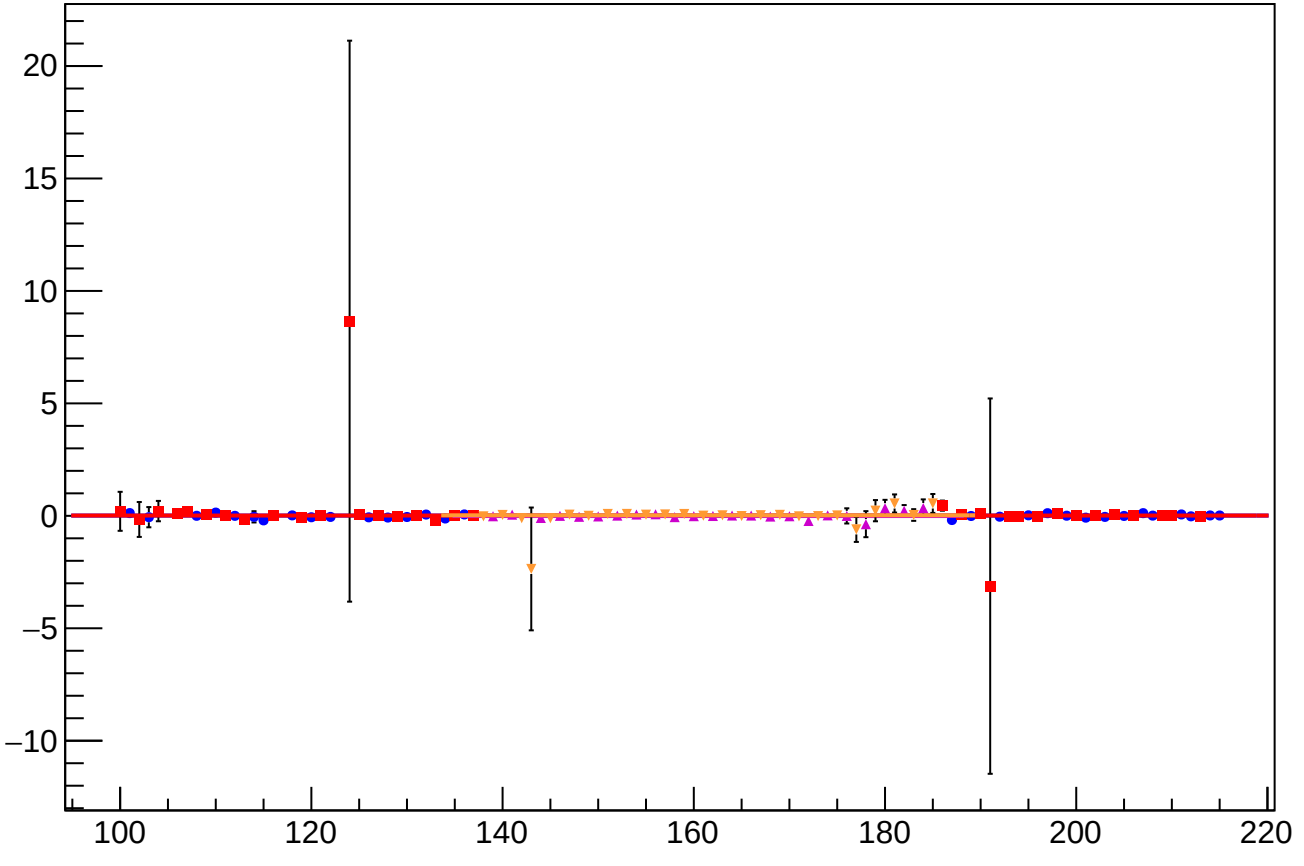
Right: 33.778+/-0.005 χ^2/NDF: 10261129.7/64

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 33.920+/-0.003 χ^2/NDF: 31743698.3/112

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

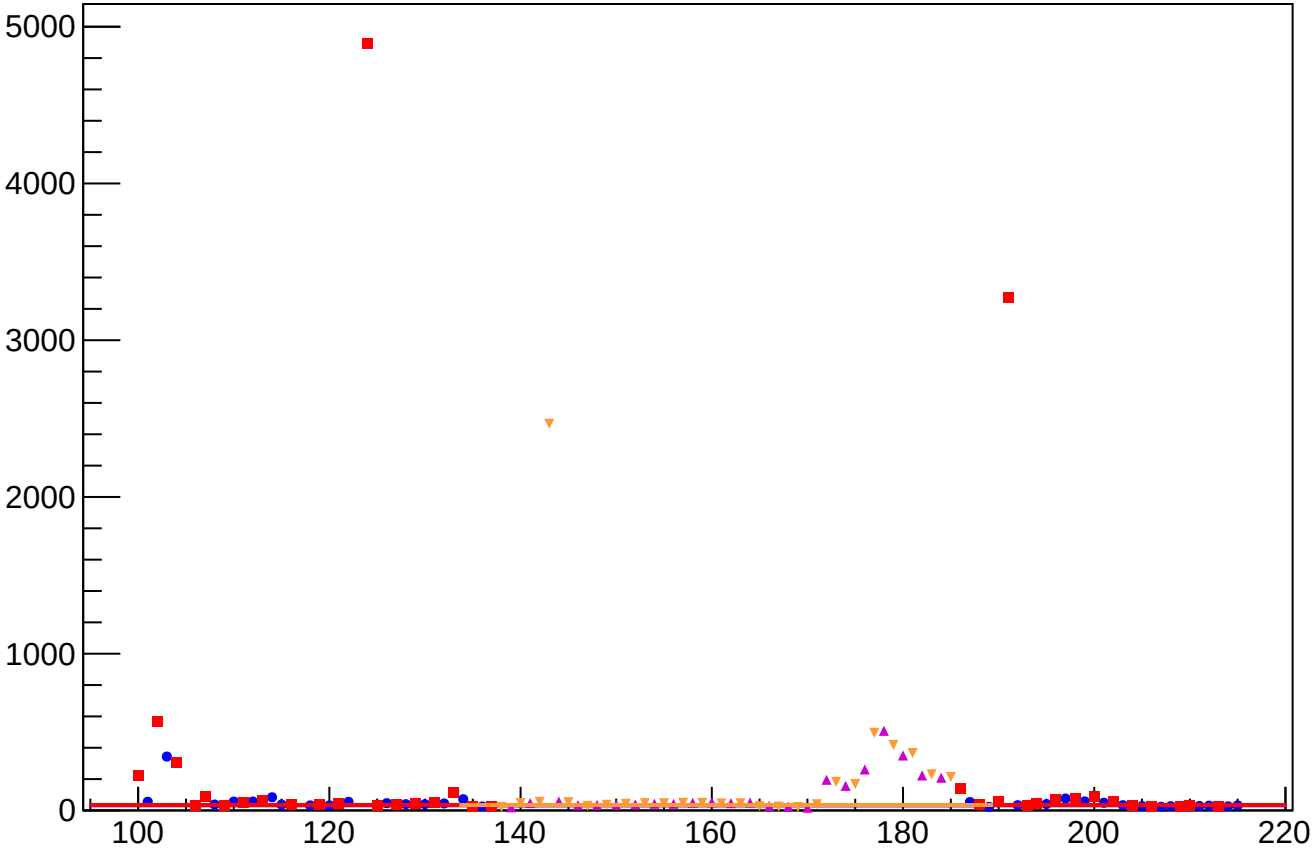
Right: 0.012+/-0.006 χ^2/NDF: 69.1/64

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/112

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.929+/-0.006 χ^2/NDF: 3733447.0/30

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 34.838+/-0.007 χ^2/NDF: 6484133.8/33

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

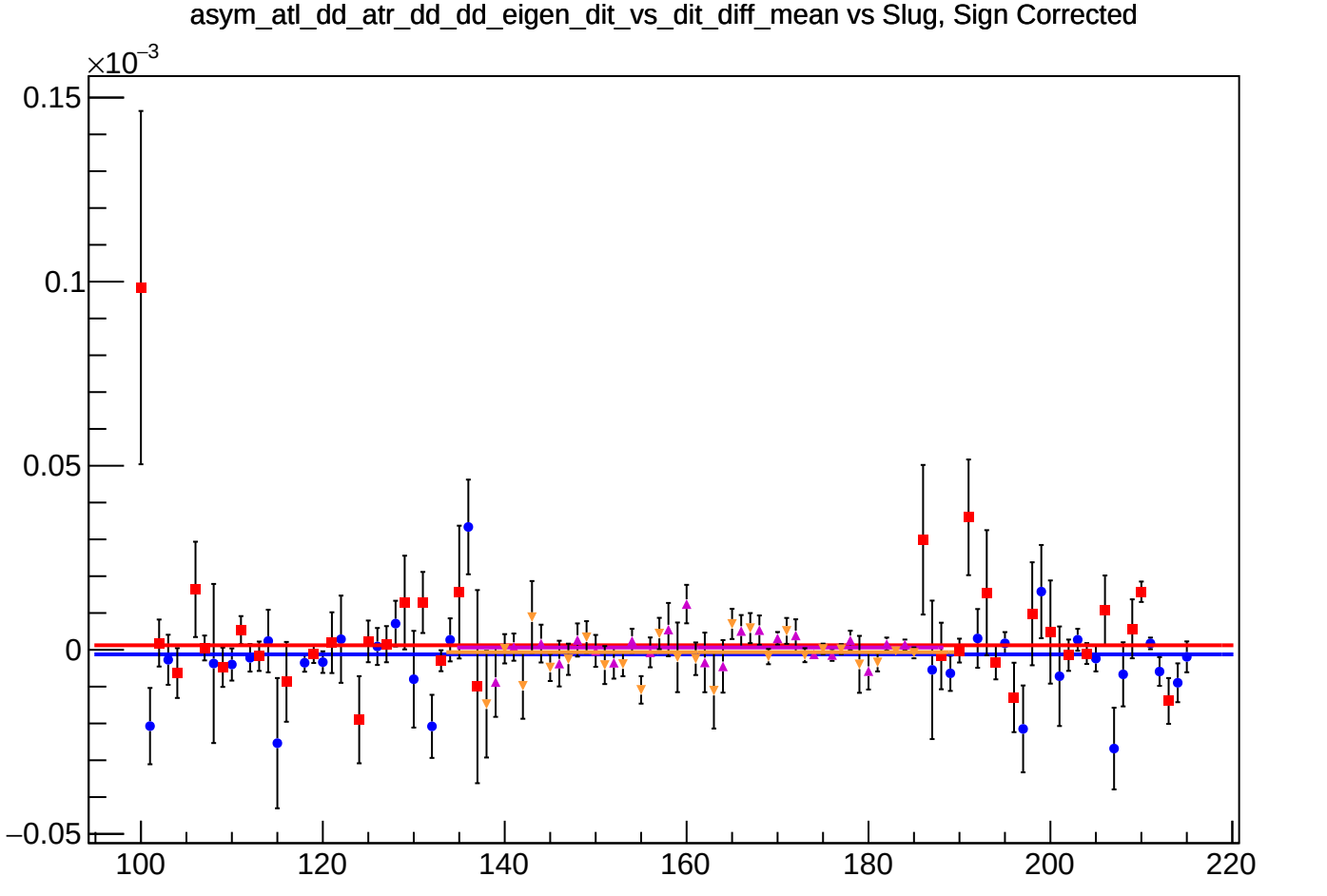
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 33.778+/-0.005 χ^2/NDF: 10261129.7/64

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 33.920+/-0.003 χ^2/NDF: 31743698.3/112



Right In: -0.000+/-0.000 χ^2/NDF: 45.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 67.7/33

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

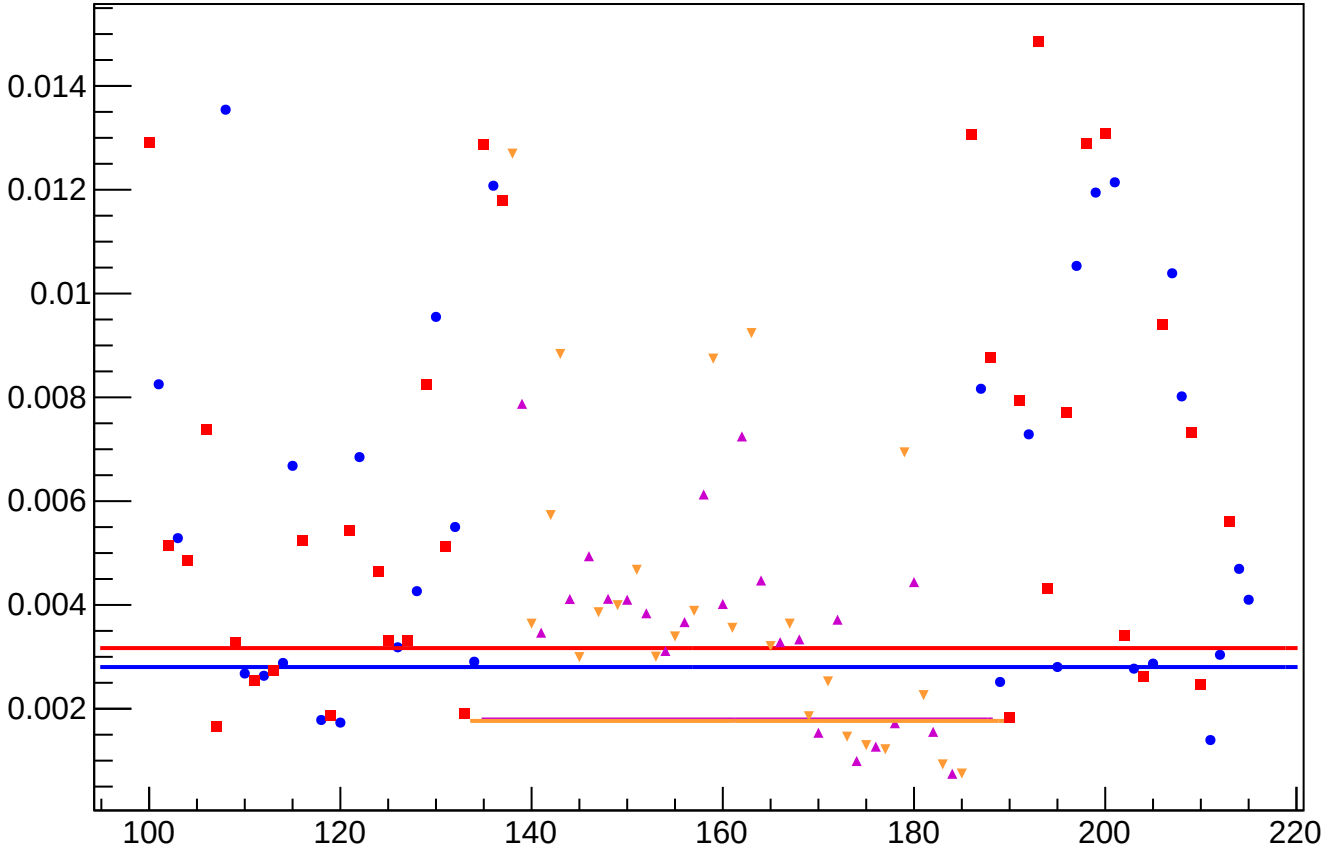
Right: -0.000+/-0.000 χ^2/NDF: 117.0/64

In: 0.000+/-0.000 χ^2/NDF:70.7/53

Out: -0.000+/-0.000 χ^2/NDF:99.4/58

All: -0.000+/-0.000 χ^2/NDF: 170.2/112

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11525264.3/30

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10731244.7/33

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

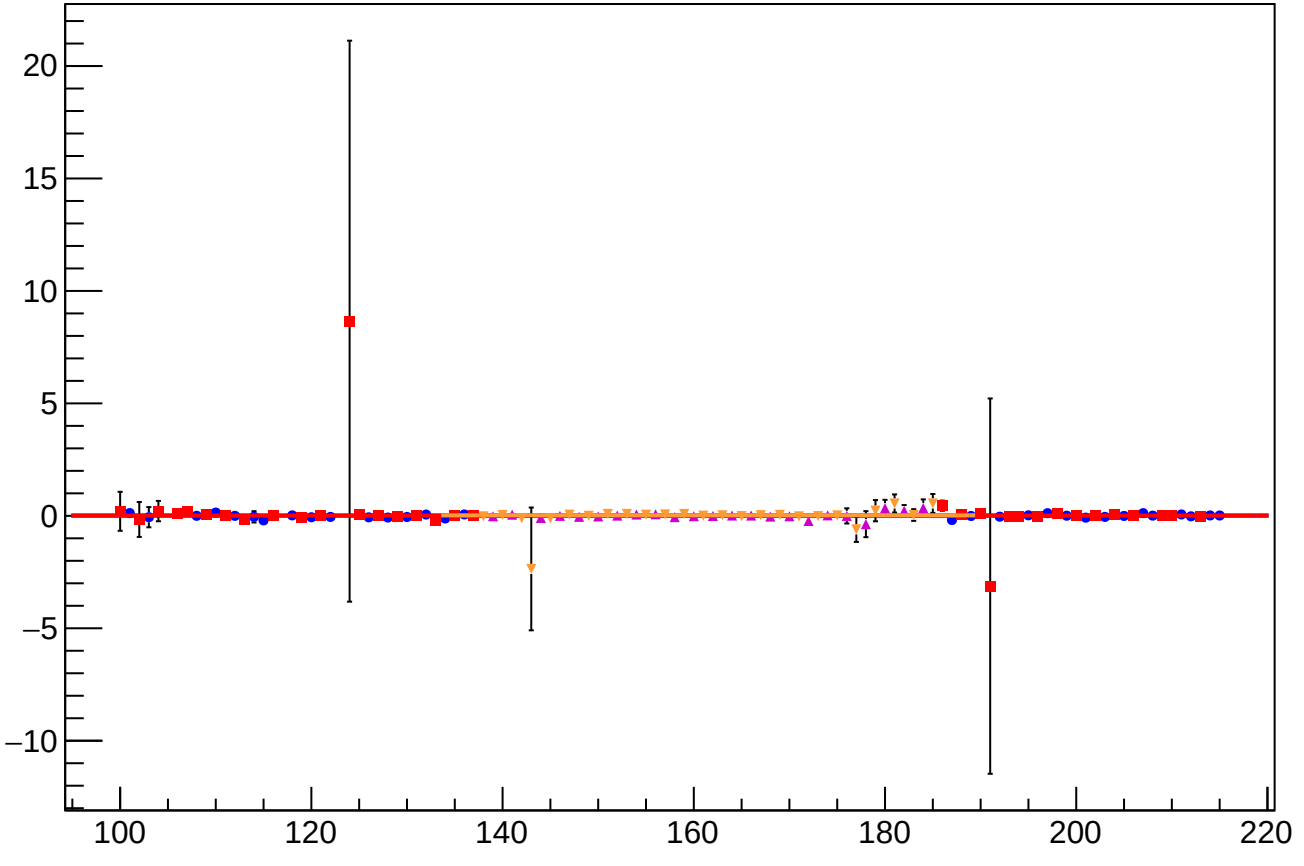
Right: 0.003+/-0.000 χ^2/NDF: 22443763.5/64

In: 0.002+/-0.000 χ^2/NDF:24463265.0/53

Out: 0.002+/-0.000 χ^2/NDF:27413442.4/58

All: 0.002+/-0.000 χ^2/NDF: 51876874.7/112

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

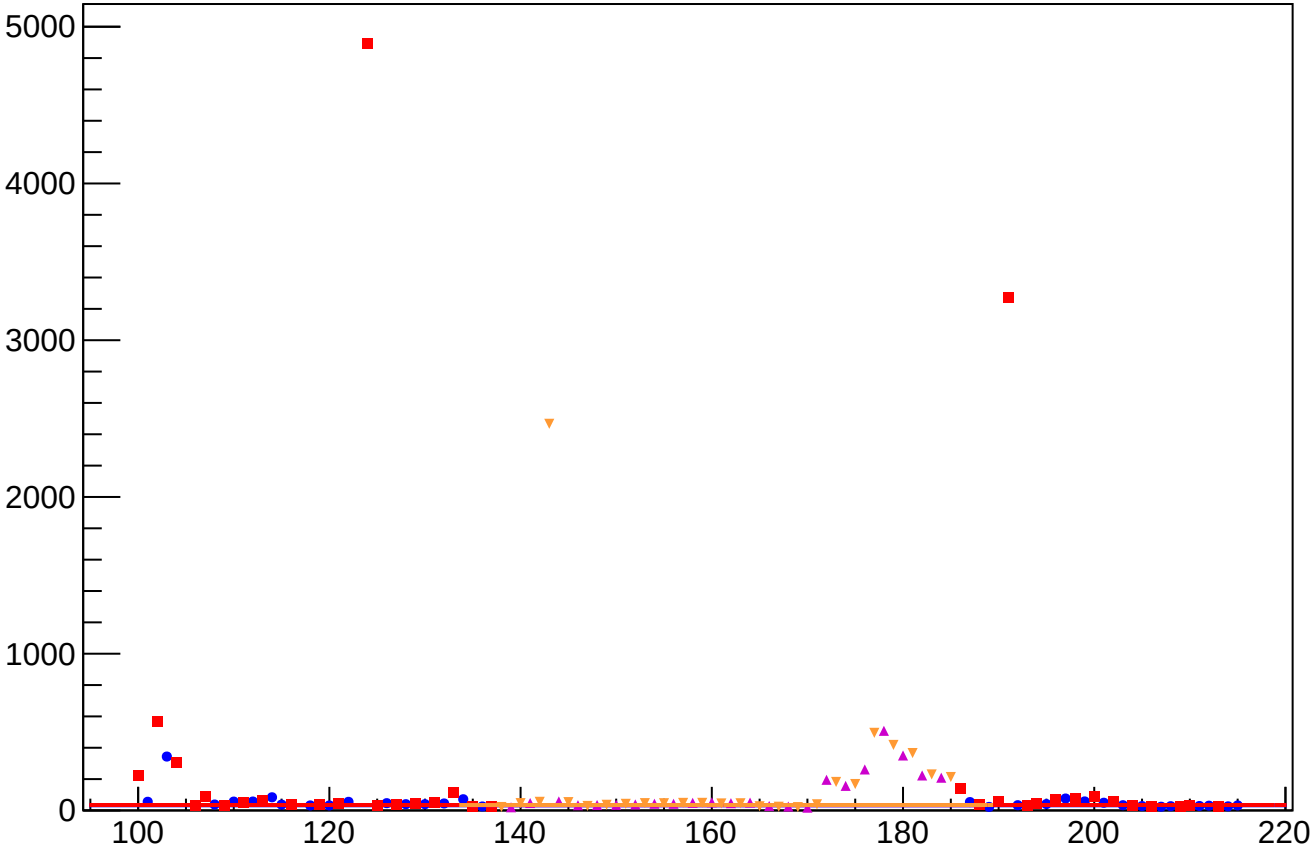
Right: 0.012+/-0.006 χ^2/NDF: 69.1/64

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/112

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.931+/-0.006 χ^2/NDF: 3732212.7/30

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 34.838+/-0.007 χ^2/NDF: 6484085.5/33

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

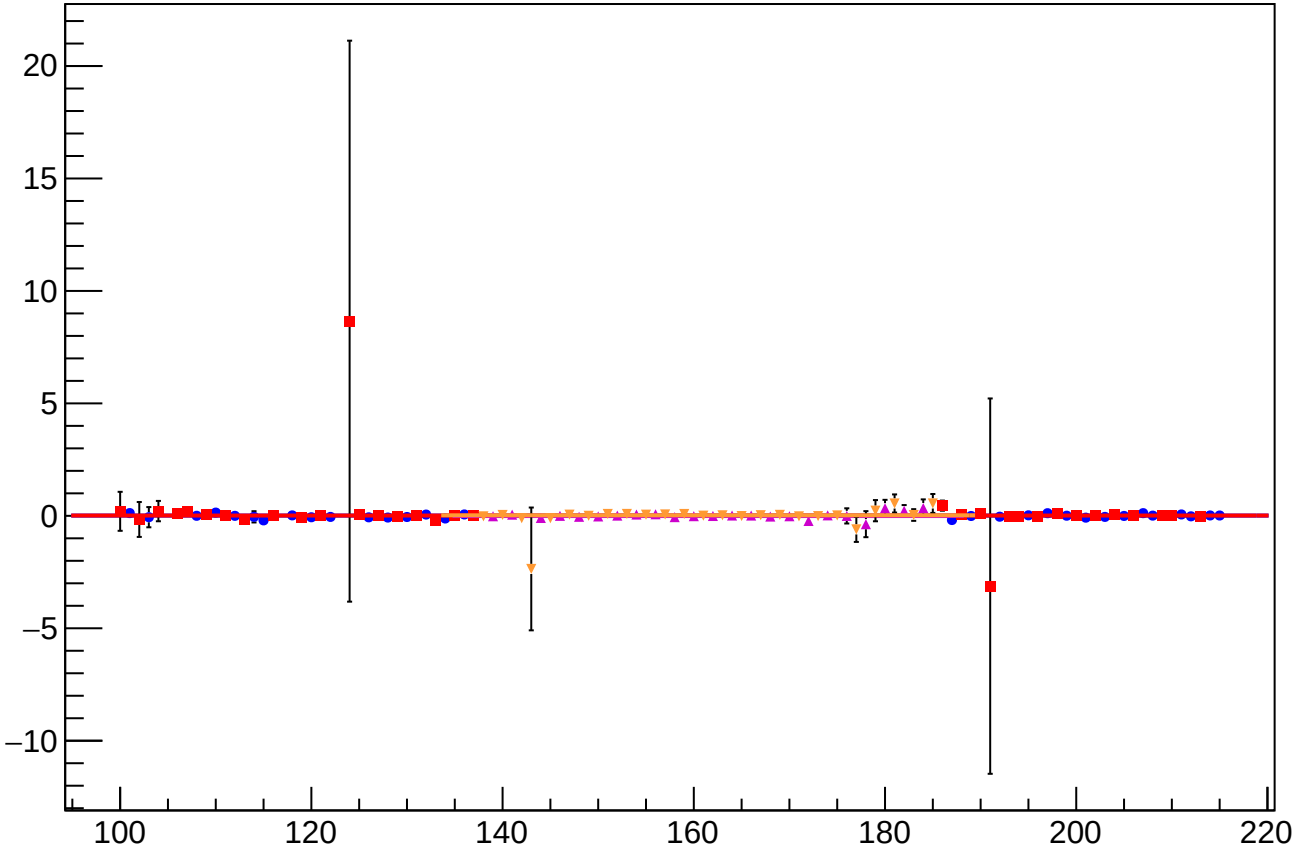
Right: 33.780+/-0.005 χ^2/NDF: 10259747.4/64

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 33.921+/-0.003 χ^2/NDF: 31741083.6/112

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

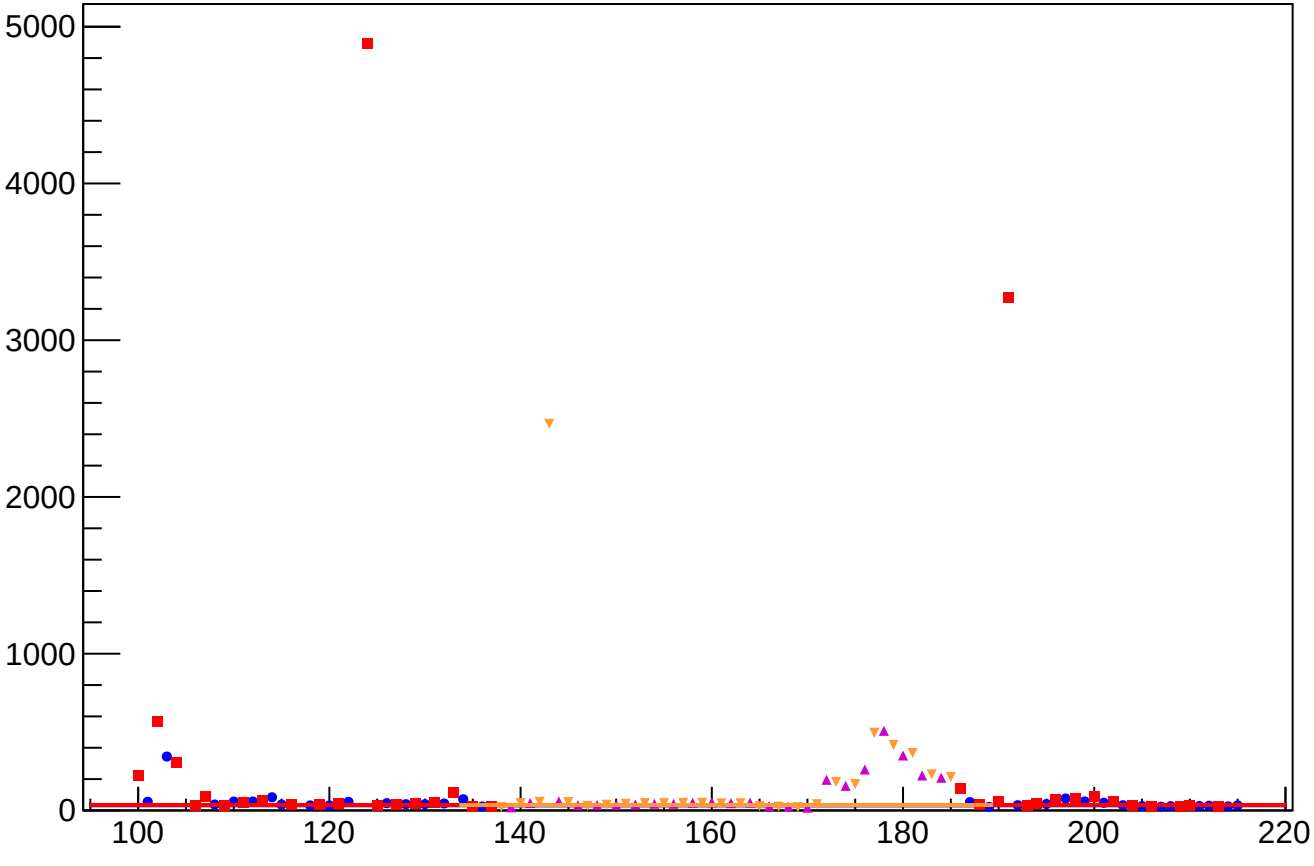
Right: 0.012+/-0.006 χ^2/NDF: 69.1/64

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/112

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.931+/-0.006 χ^2/NDF: 3732212.7/30

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 34.838+/-0.007 χ^2/NDF: 6484085.5/33

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

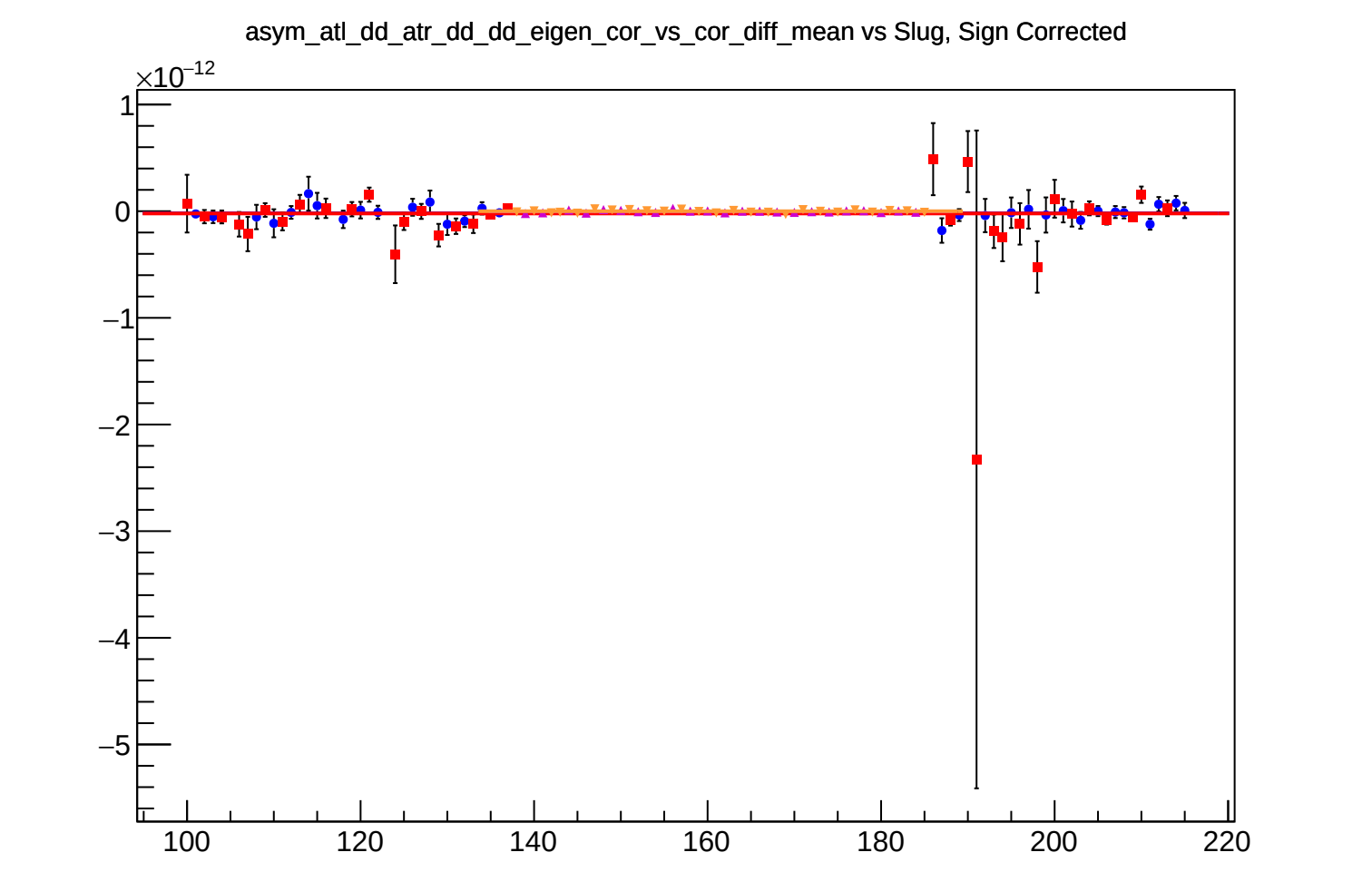
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 33.780+/-0.005 χ^2/NDF: 10259747.4/64

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 33.921+/-0.003 χ^2/NDF: 31741083.6/112



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.6/33

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

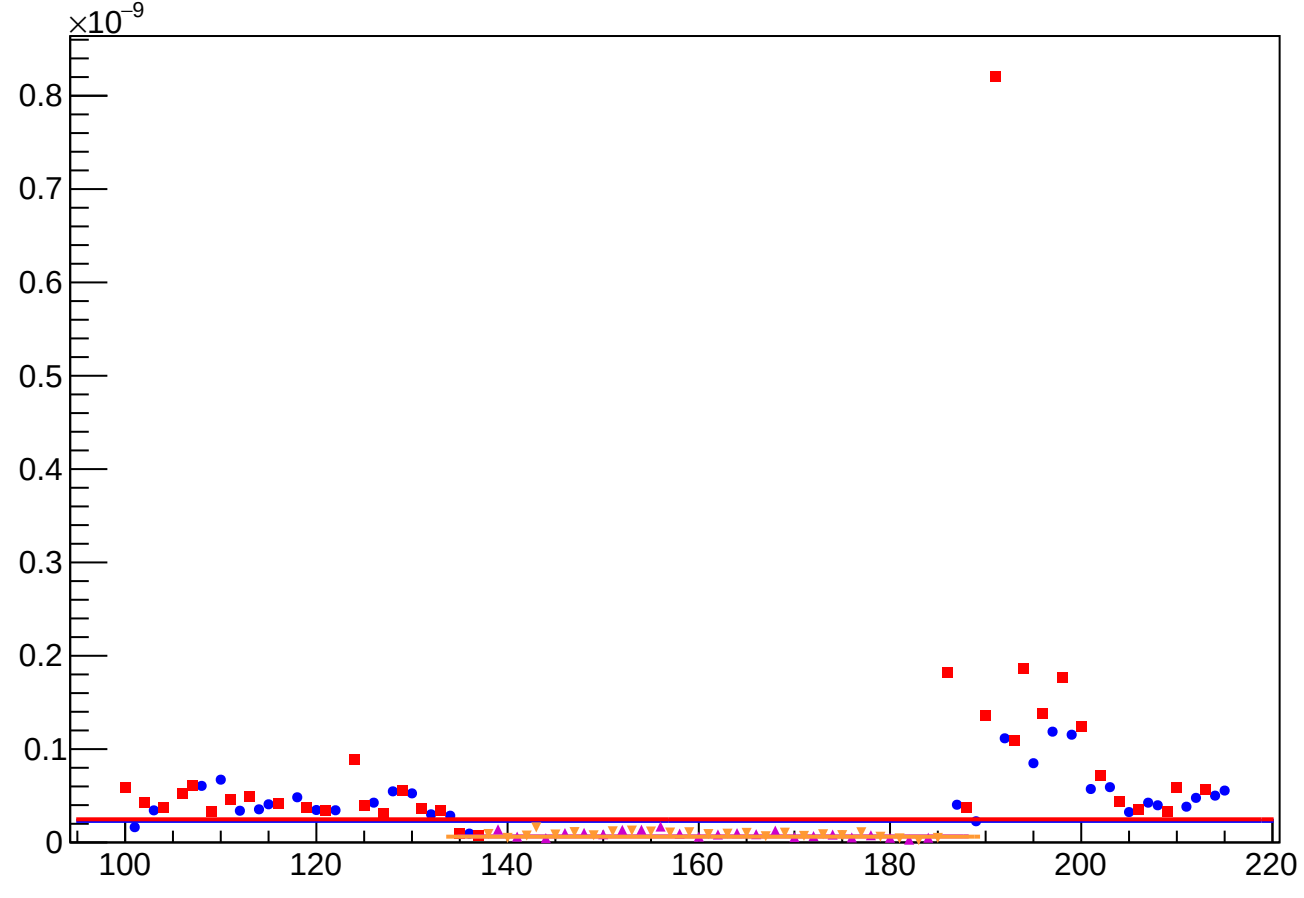
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 69.8/64

In: -0.000+/-0.000 χ^2/NDF:42.6/53

Out: -0.000+/-0.000 χ^2/NDF:81.2/58

All: -0.000+/-0.000 χ^2/NDF: 124.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 8535778.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10494220.0/33

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

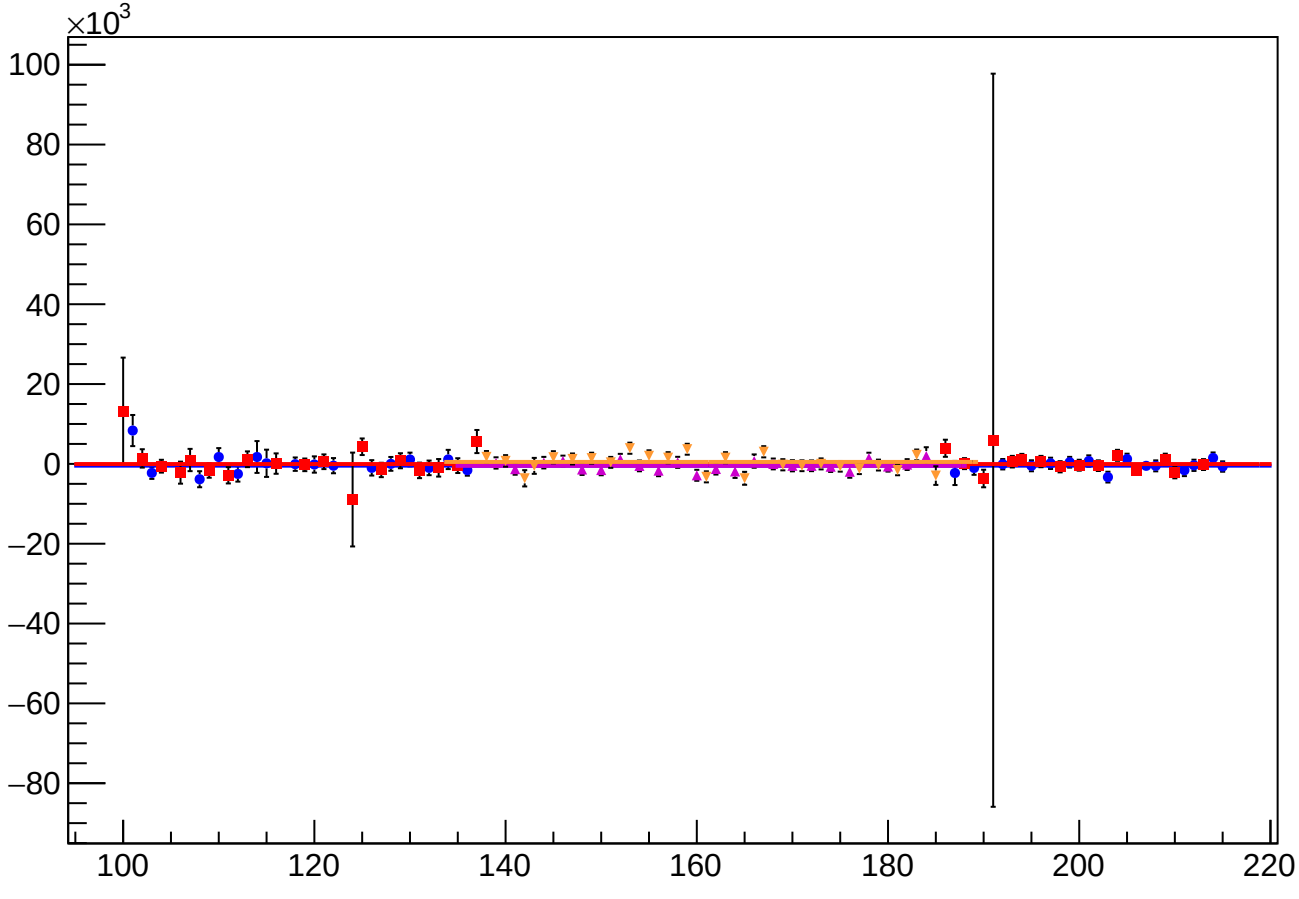
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 19063973.9/64

In: 0.000+/-0.000 χ^2/NDF:19371915.8/53

Out: 0.000+/-0.000 χ^2/NDF:22522390.8/58

All: 0.000+/-0.000 χ^2/NDF: 41943229.6/112



Right In: -438.594+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -43.378+/-300.709 χ^2/NDF: 31.1/33

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

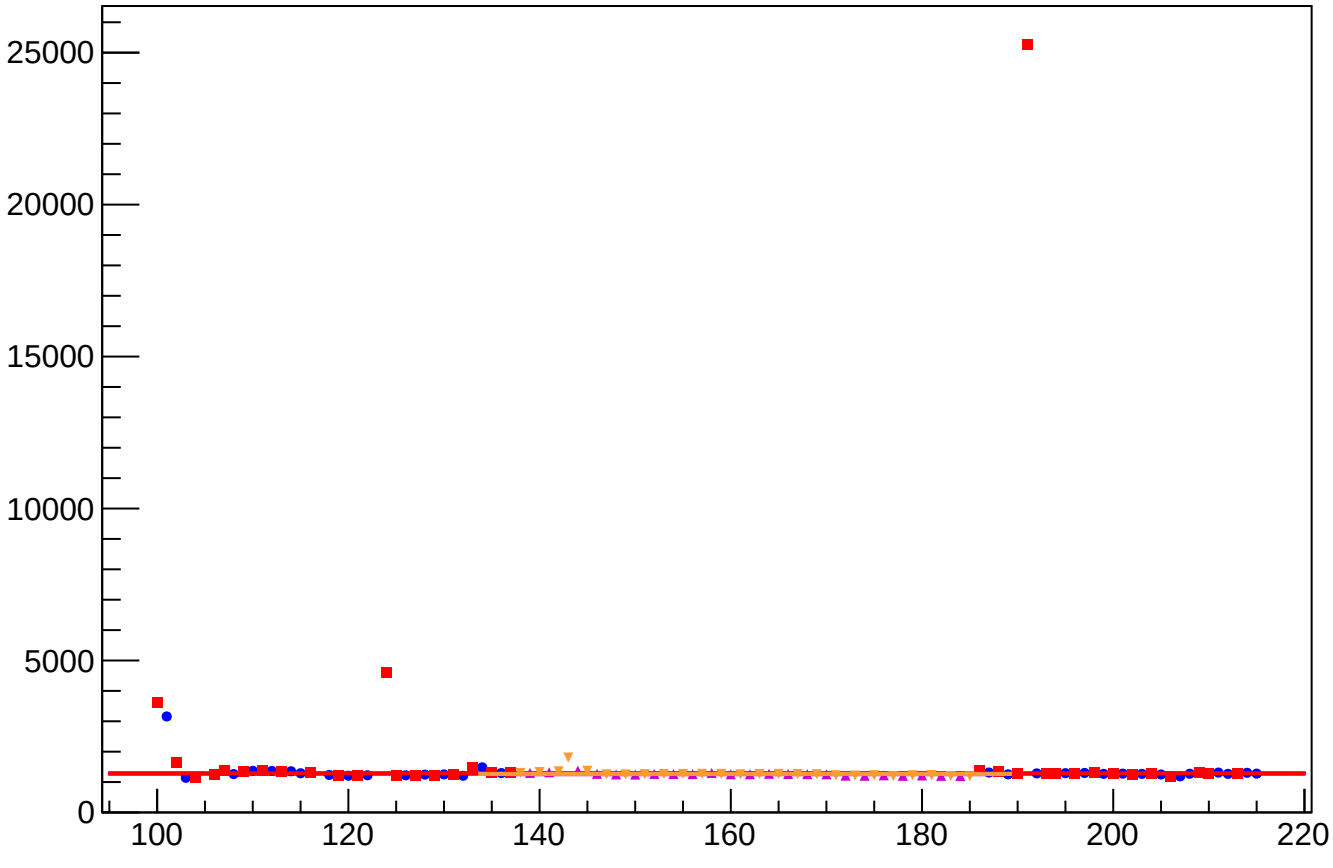
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -245.957+/-209.942 χ^2/NDF: 56.5/64

In: -462.664+/-207.538 χ^2/NDF:38.9/53

Out: 235.437+/-208.181 χ^2/NDF:79.7/58

All: -114.693+/-146.978 χ^2/NDF: 124.2/112



Right In: 1278.671+/-0.207 χ^2/NDF: 530240.2/30

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.153+/-0.212 χ^2/NDF: 482746.6/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

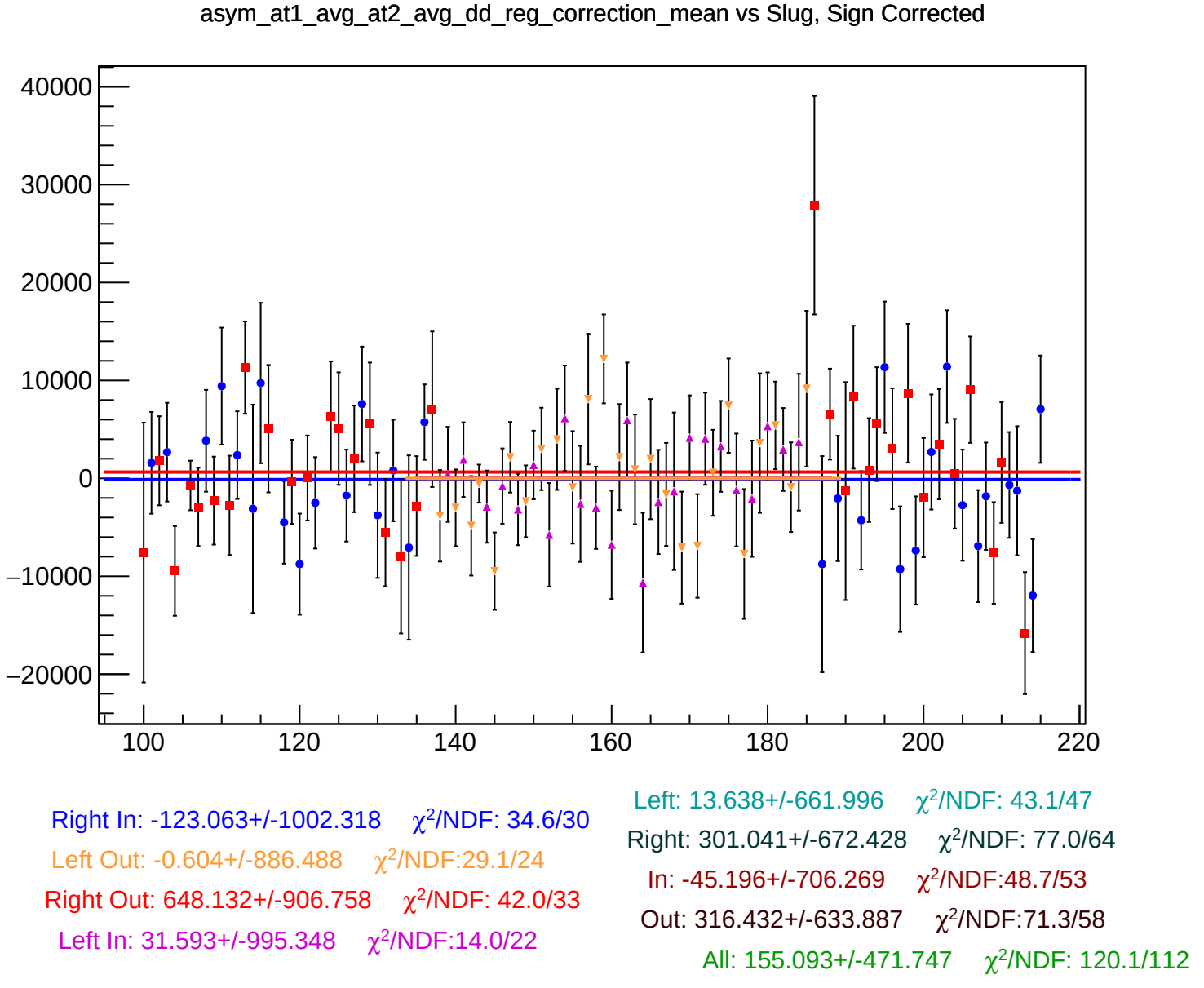
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

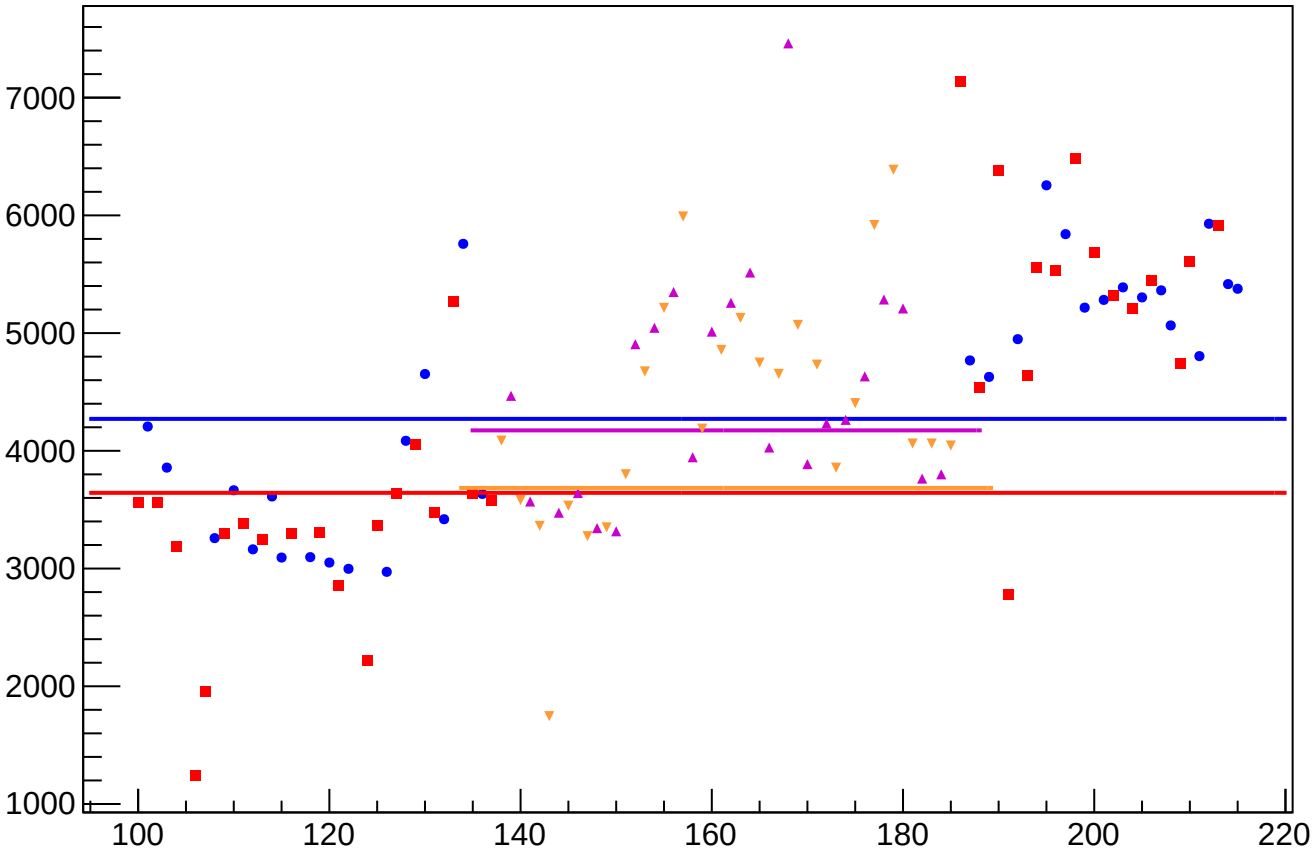
Right: 1283.785+/-0.148 χ^2/NDF: 1014233.7/64

In: 1268.130+/-0.147 χ^2/NDF:572234.4/53

Out: 1277.611+/-0.147 χ^2/NDF:675966.6/58

All: 1272.858+/-0.104 χ^2/NDF: 1250282.6/11


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -123.063+/-1002.318 χ²/NDF: 34.6/30
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 648.132+/-906.758 χ²/NDF: 42.0/33
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 301.041+/-672.428 χ²/NDF: 77.0/64
In: -45.196+/-706.269 χ²/NDF:48.7/53
Out: 316.432+/-633.887 χ²/NDF:71.3/58
All: 155.093+/-471.747 χ²/NDF: 120.1/112



Right In: 4271.434+/-0.709 χ^2/NDF: 2039285.0/30

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3643.091+/-0.641 χ^2/NDF: 5079409.7/33

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

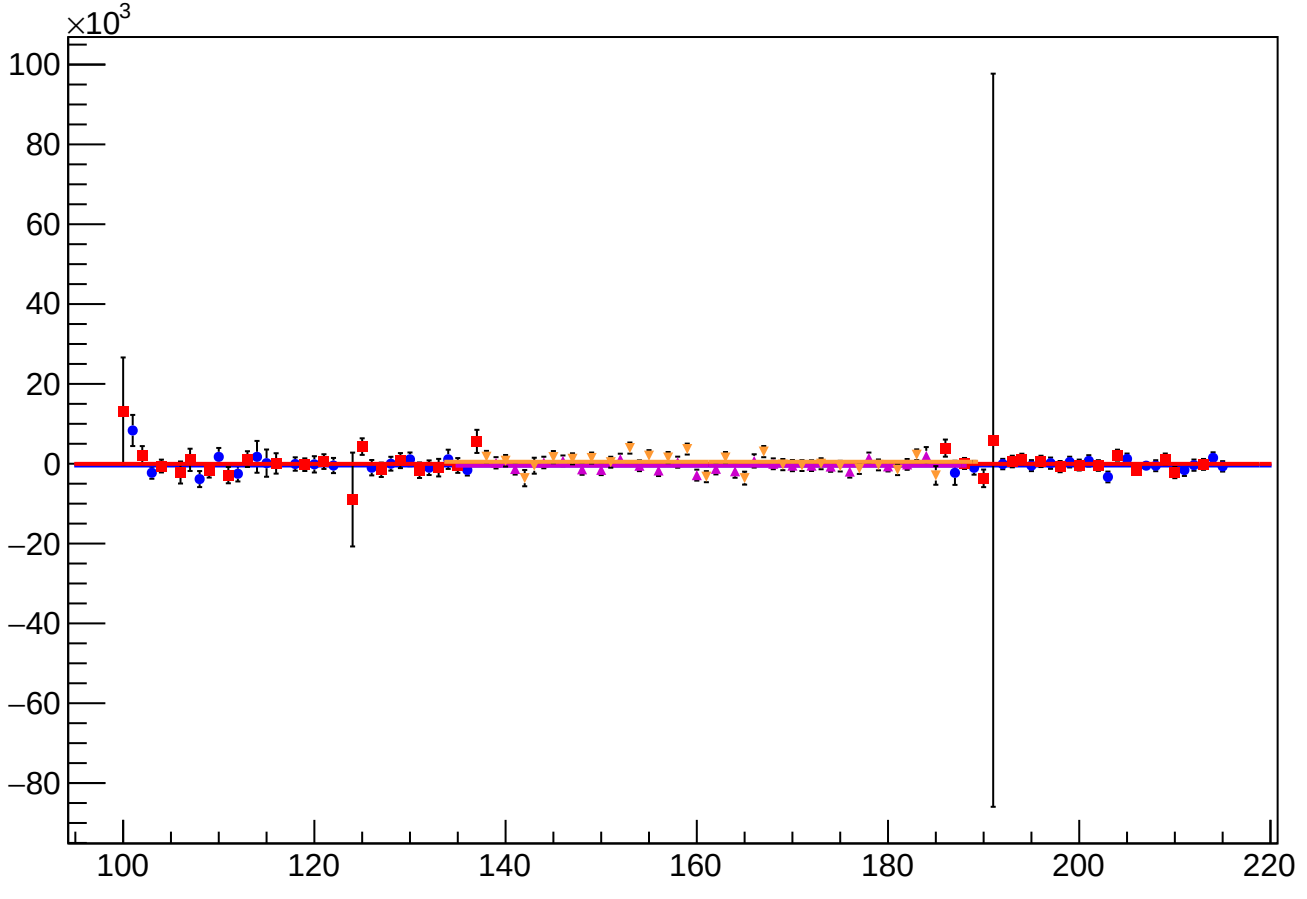
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3925.889+/-0.475 χ^2/NDF: 7550928.8/64

In: 4222.153+/-0.499 χ^2/NDF:3323855.6/53

Out: 3664.401+/-0.448 χ^2/NDF:8775216.7/58

All: 3913.240+/-0.334 χ^2/NDF: 12789896.3/1



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -32.367+/-300.785 χ^2/NDF: 31.6/33

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

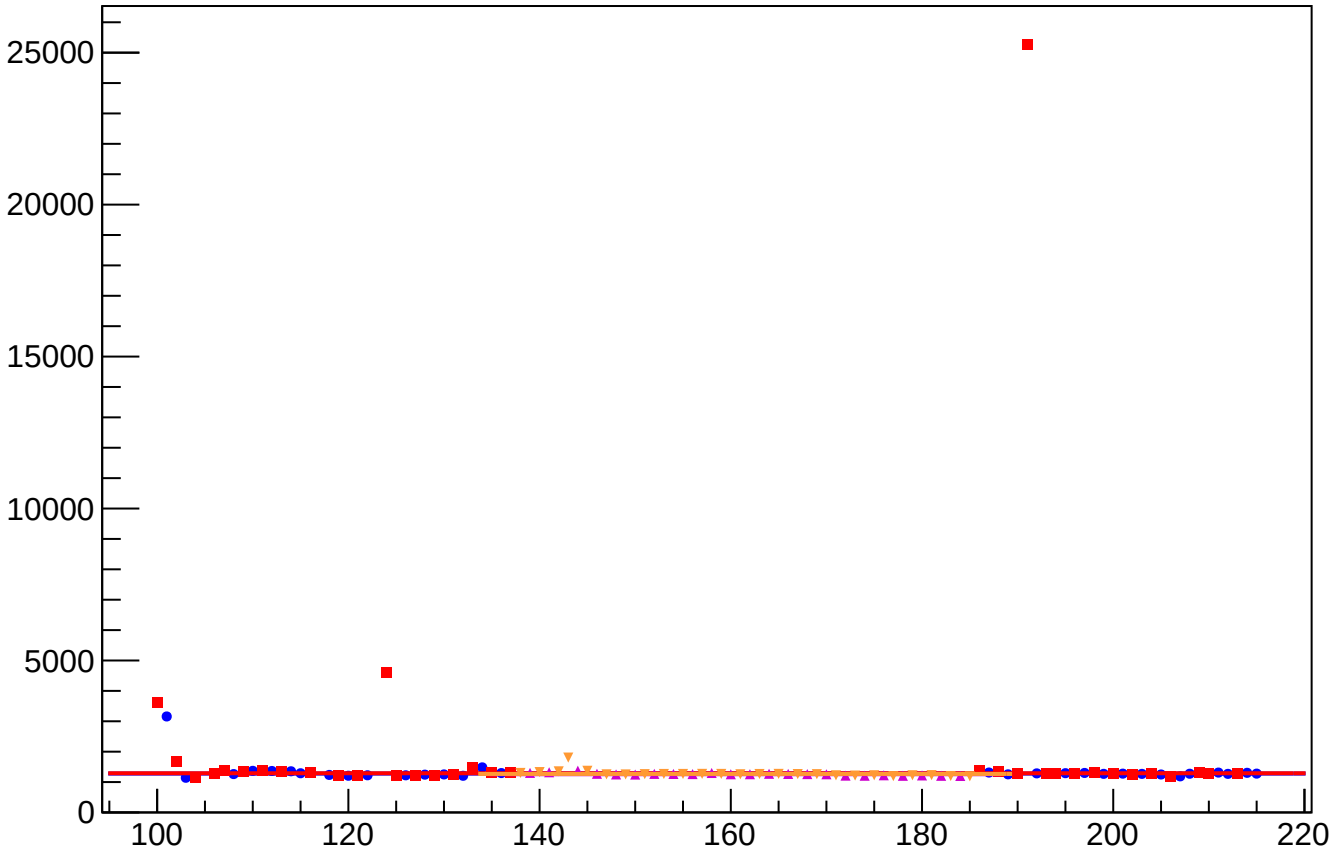
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -240.700+/-209.968 χ^2/NDF: 57.0/64

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -112.072+/-146.987 χ^2/NDF: 124.7/112



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

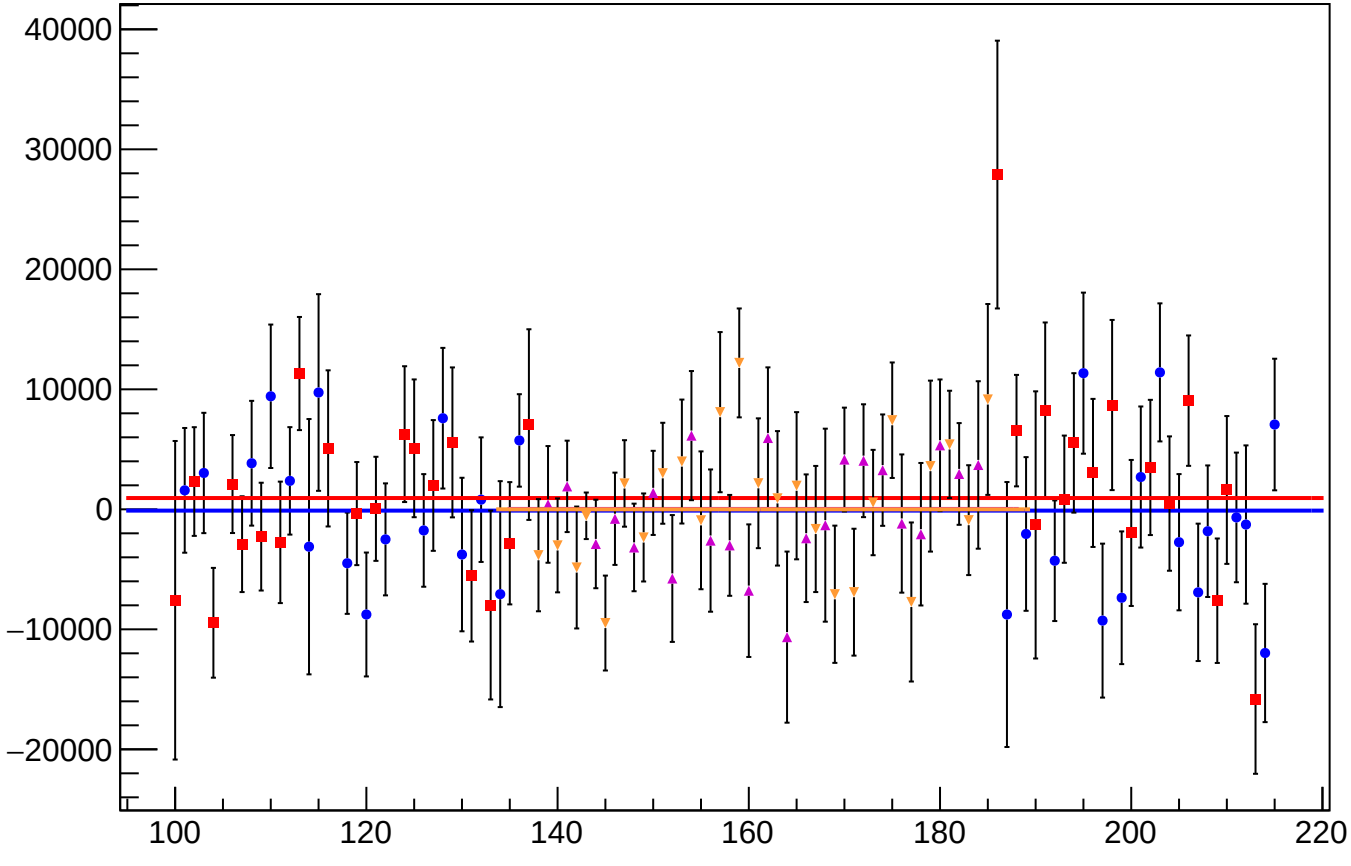
Right: 1284.154+/-0.148 χ^2/NDF: 1021299.4/64

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1273.036+/-0.104 χ^2/NDF: 1257714.3/11

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

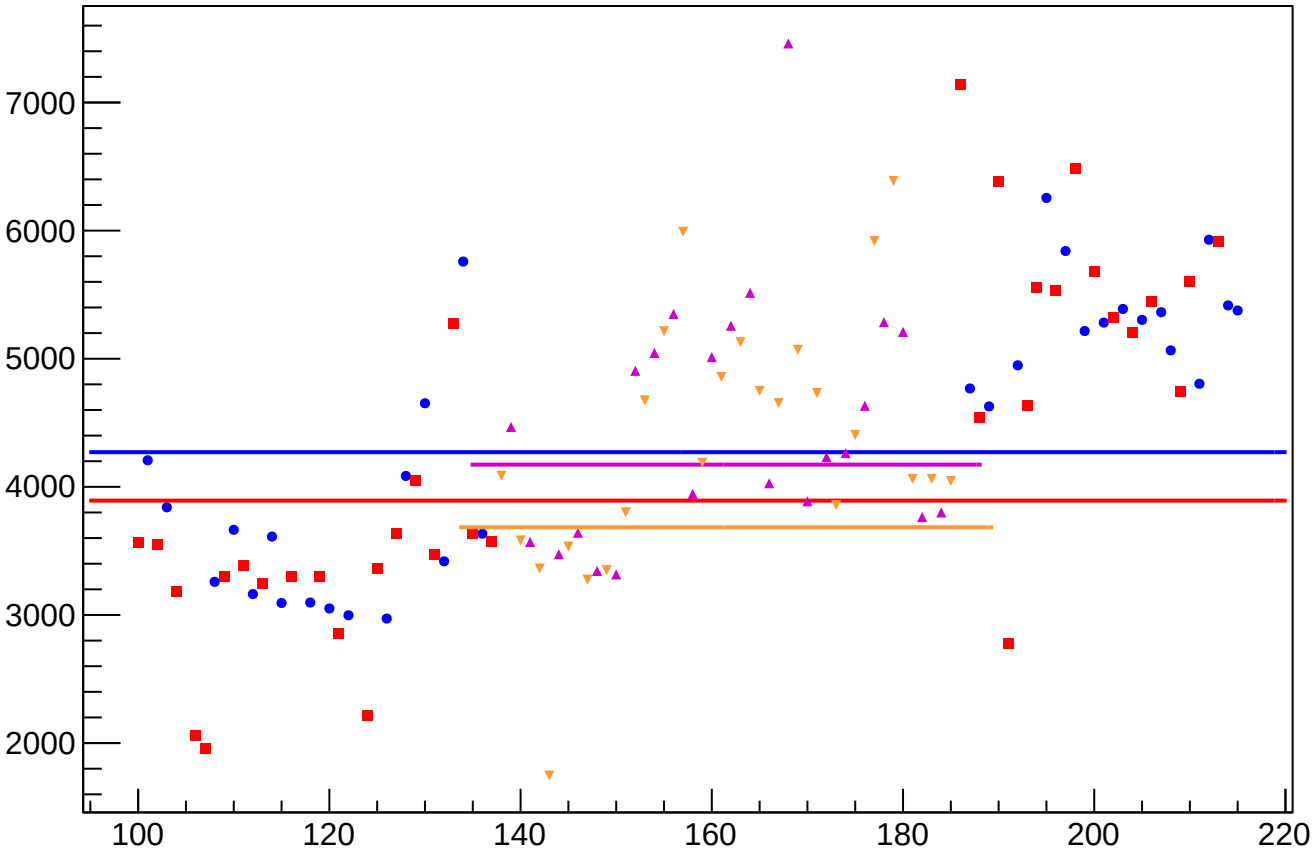
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

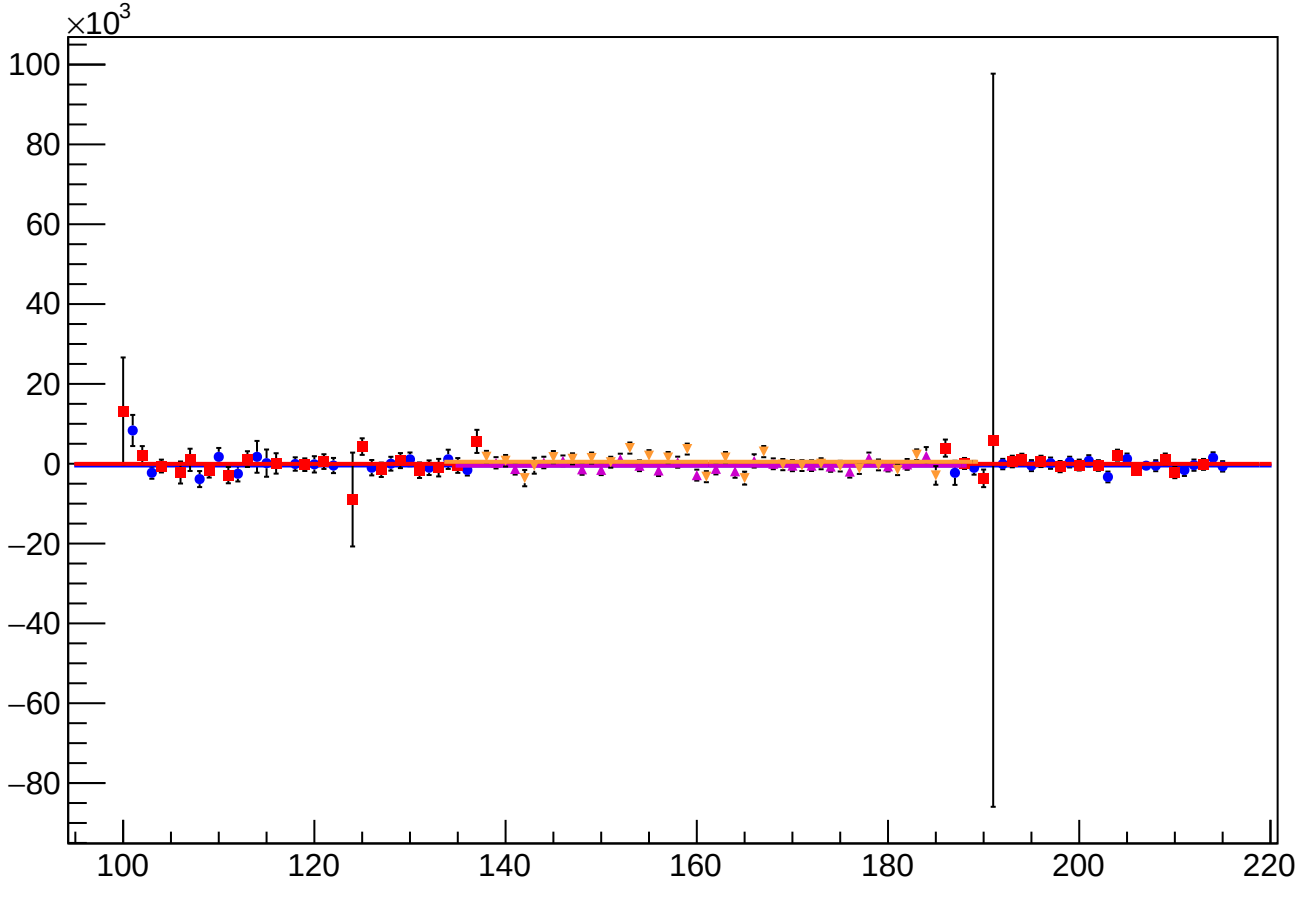
Right: 447.028+/-687.402 χ^2/NDF: 77.1/64

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 222.195+/-476.830 χ^2/NDF: 120.4/112


asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4270.610+/-0.709 χ²/NDF: 2040584.0/30
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3892.503+/-0.668 χ²/NDF: 3438125.0/33
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 4070.411+/-0.486 χ²/NDF: 5629462.5/64
In: 4221.751+/-0.499 χ²/NDF:3324995.9/53
Out: 3782.036+/-0.457 χ²/NDF:7183241.0/58
All: 3982.504+/-0.337 χ²/NDF: 10930120.4/1



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -32.367+/-300.785 χ^2/NDF: 31.6/33

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

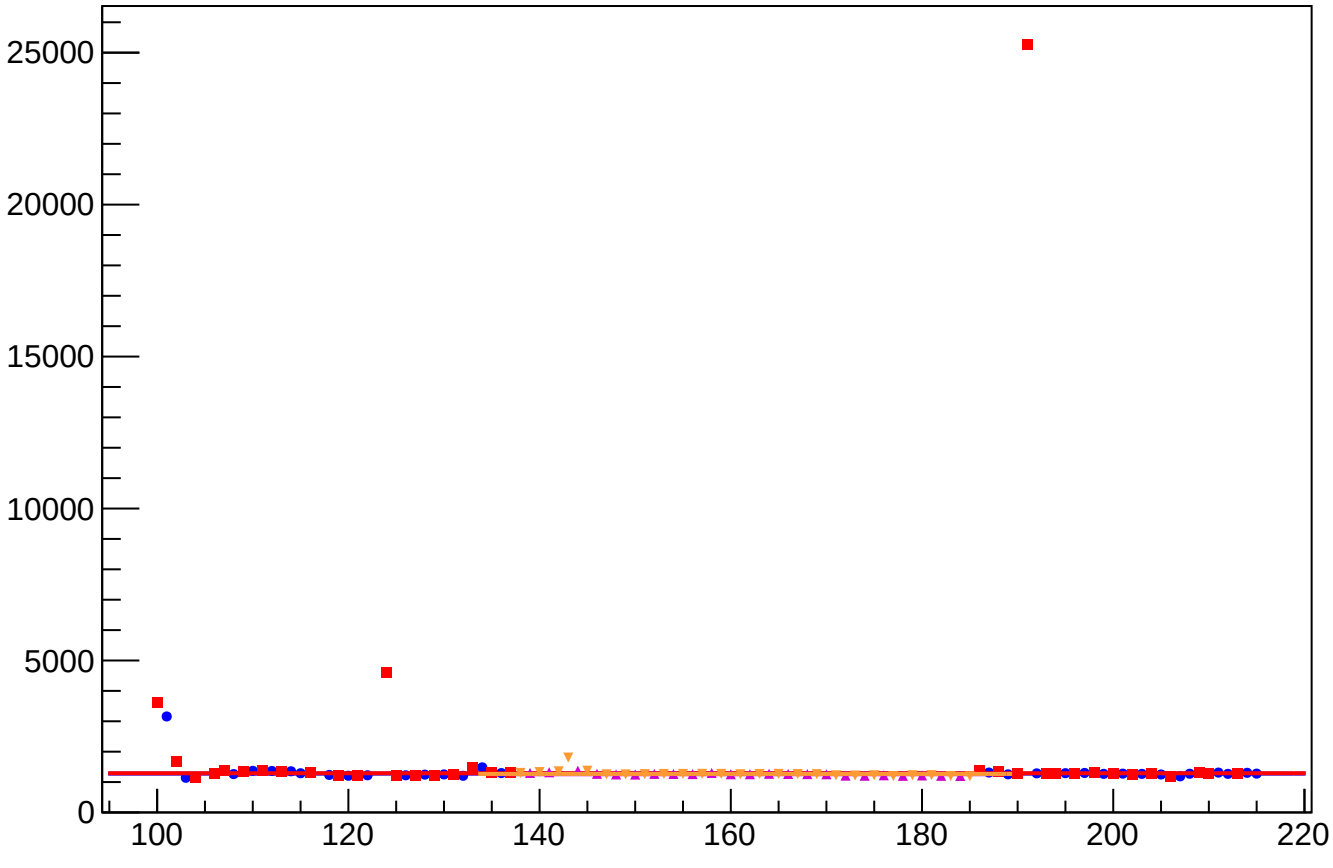
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -240.700+/-209.968 χ^2/NDF: 57.0/64

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -112.072+/-146.987 χ^2/NDF: 124.7/112



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

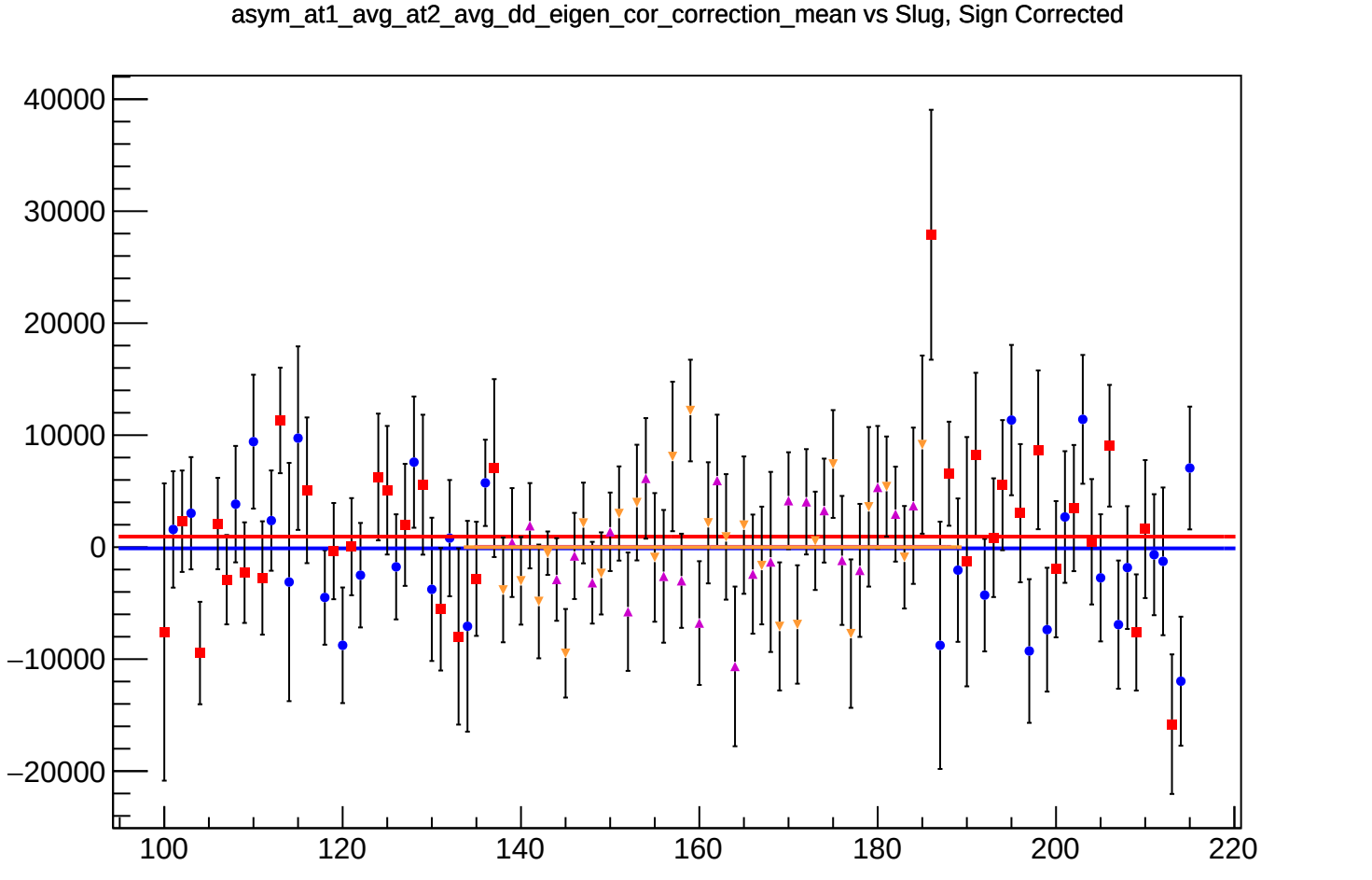
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1284.154+/-0.148 χ^2/NDF: 1021299.4/64

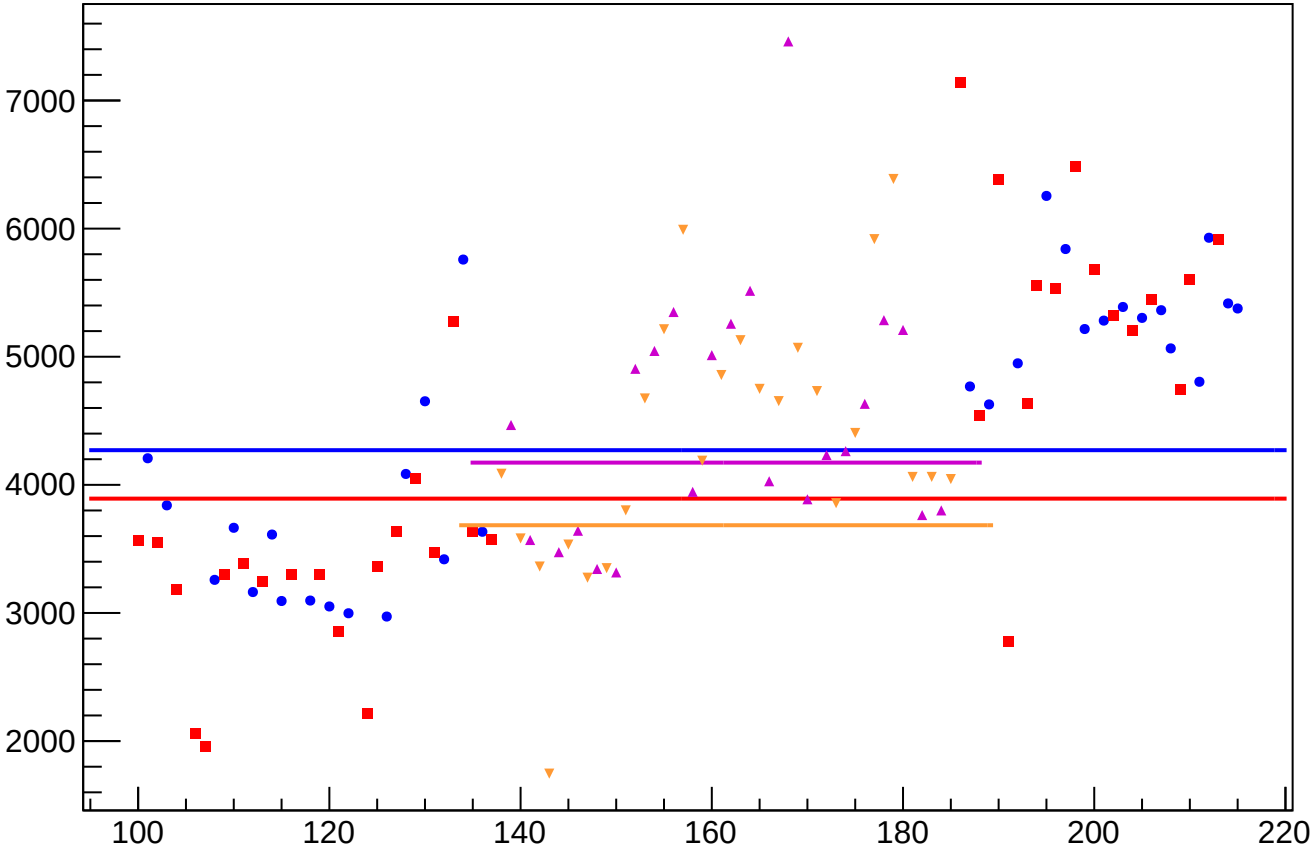
In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1273.036+/-0.104 χ^2/NDF: 1257714.3/11


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -107.975+/-1002.121 χ²/NDF: 34.7/30
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 940.235+/-944.685 χ²/NDF: 41.8/33
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 447.028+/-687.402 χ²/NDF: 77.1/64
In: -37.716+/-706.199 χ²/NDF:48.7/53
Out: 439.977+/-646.437 χ²/NDF:71.4/58
All: 222.195+/-476.830 χ²/NDF: 120.4/112

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4270.610+/-0.709 χ^2/NDF: 2040584.0/30

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3892.503+/-0.668 χ^2/NDF: 3438125.0/33

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

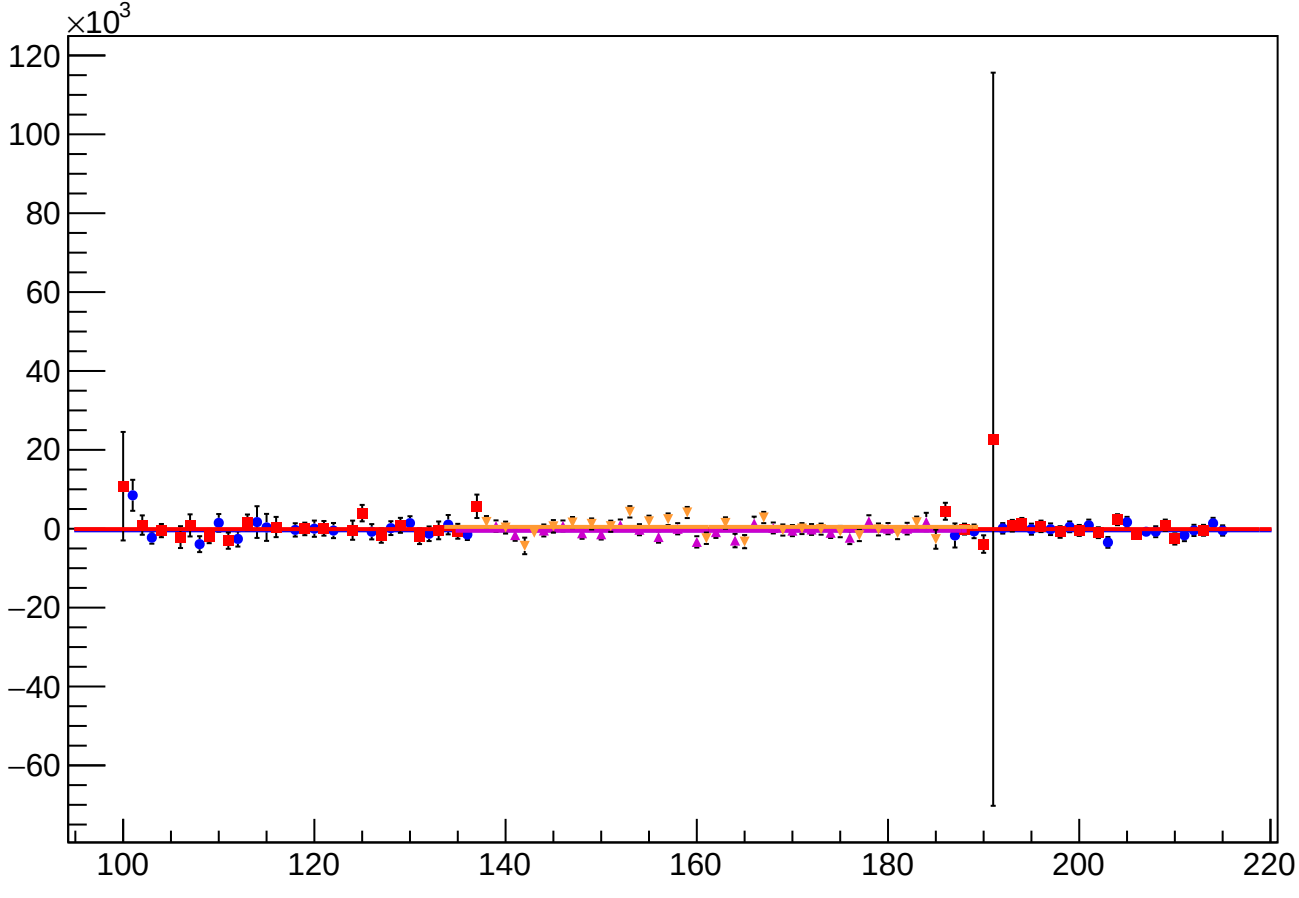
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4070.411+/-0.486 χ^2/NDF: 5629462.5/64

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3782.036+/-0.457 χ^2/NDF:7183241.0/58

All: 3982.504+/-0.337 χ^2/NDF: 10930120.4/1



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -94.184+/-303.071 χ^2/NDF: 32.7/33

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

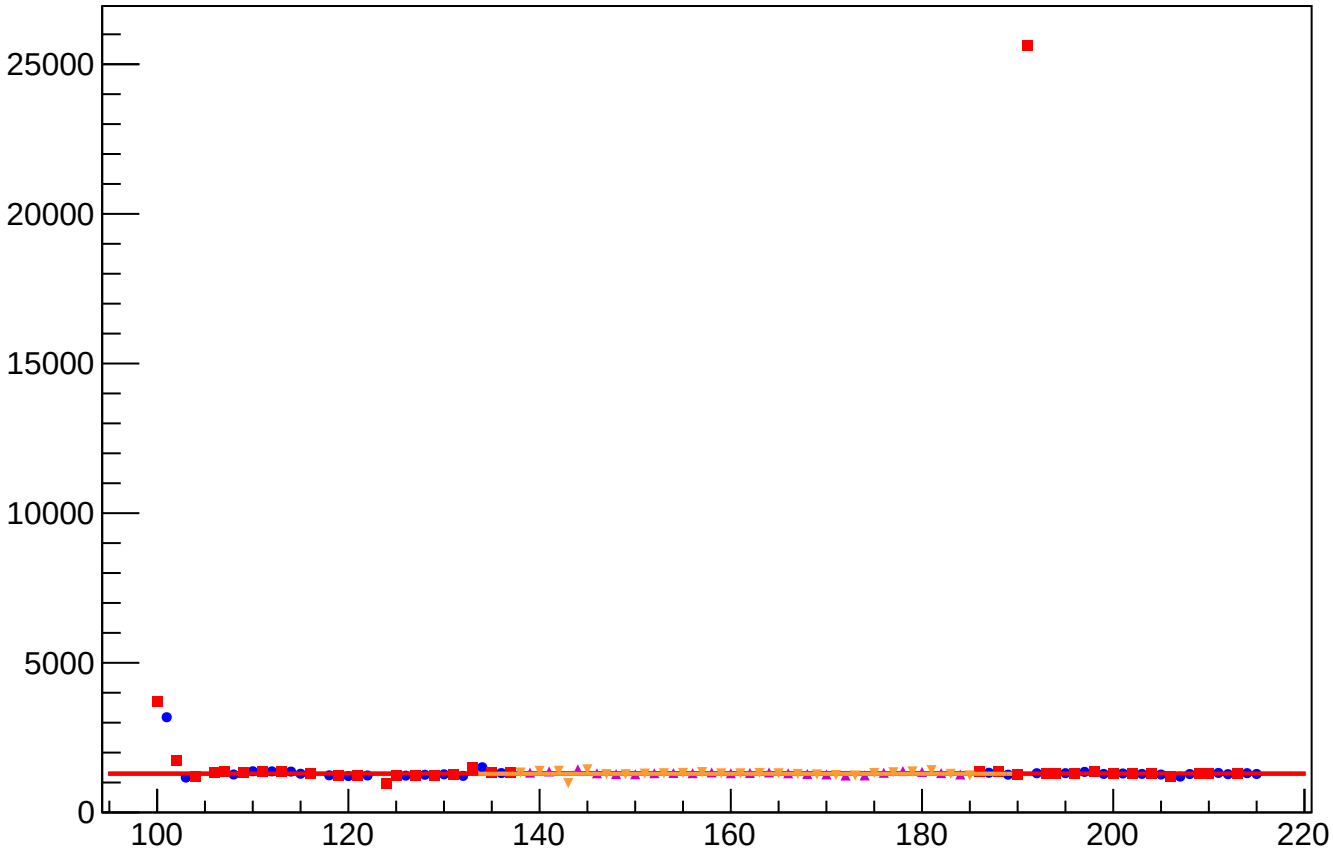
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -251.929+/-212.111 χ^2/NDF: 58.9/64

In: -451.795+/-213.463 χ^2/NDF:43.1/53

Out: 195.165+/-211.118 χ^2/NDF:78.6/58

All: -124.742+/-150.105 χ^2/NDF: 126.4/112



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.2/30

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.970+/-0.214 χ^2/NDF: 378349.9/33

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

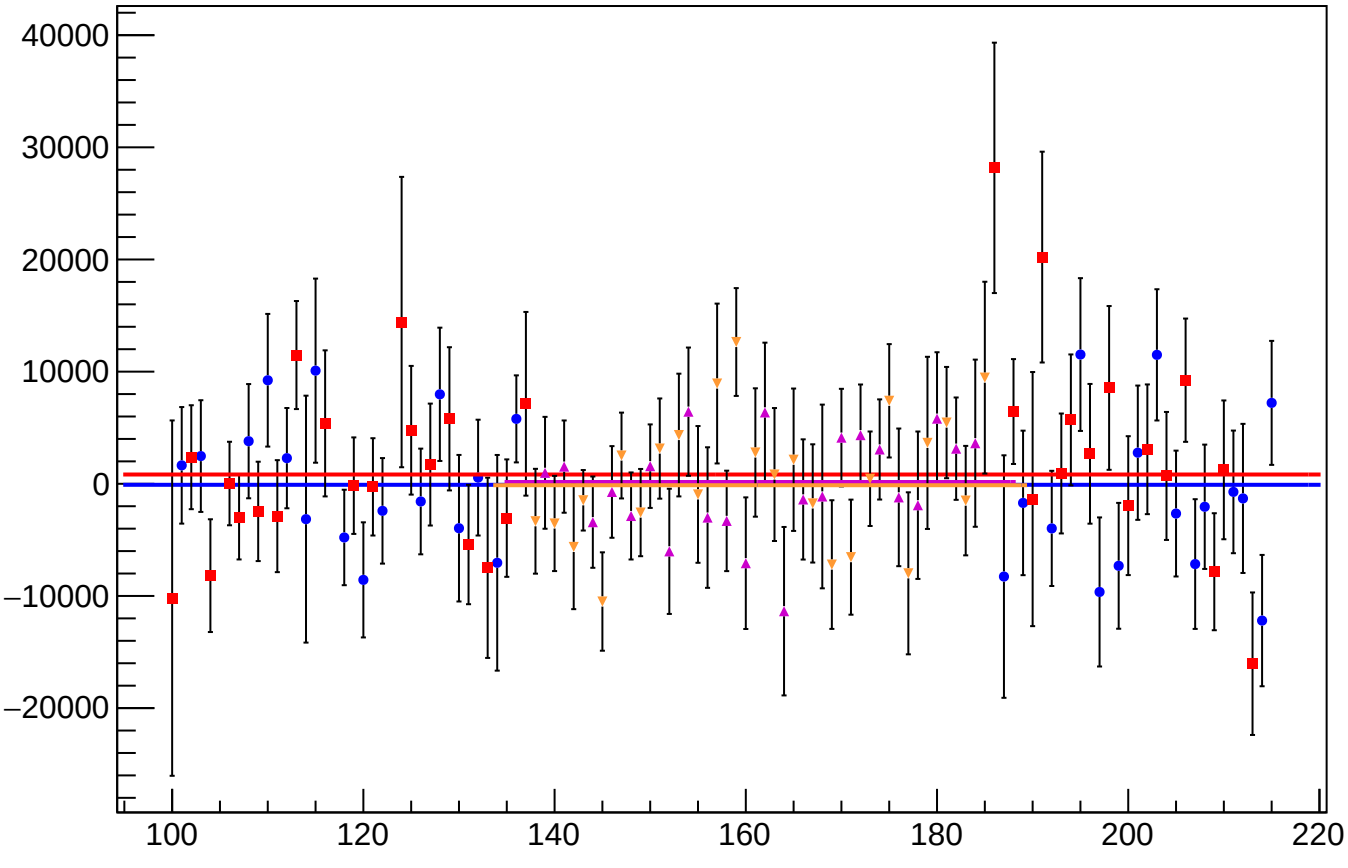
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1297.822+/-0.150 χ^2/NDF: 908982.5/64

In: 1304.080+/-0.151 χ^2/NDF:577298.1/53

Out: 1295.948+/-0.149 χ^2/NDF:610152.9/58

All: 1299.969+/-0.106 χ^2/NDF: 1188918.8/11



Right In: -89.752+/-1008.403 χ^2/NDF: 34.5/30

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 828.107+/-960.639 χ^2/NDF: 43.4/33

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

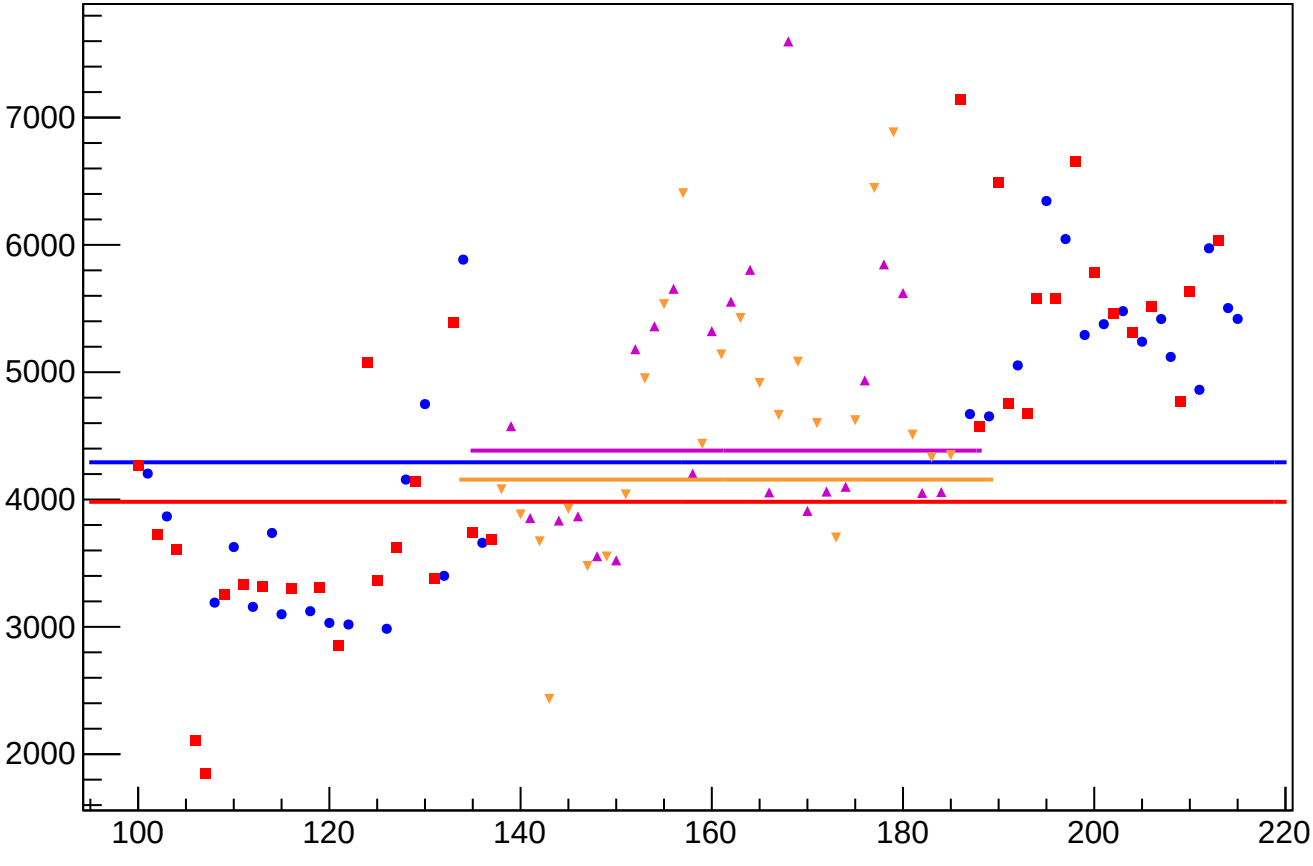
Right: 391.430+/-695.547 χ^2/NDF: 78.4/64

In: 30.350+/-725.812 χ^2/NDF:48.4/53

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 203.945+/-498.197 χ^2/NDF: 120.9/112

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4292.473+/-0.713 χ^2/NDF: 2142067.4/30

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3982.098+/-0.679 χ^2/NDF: 3484602.3/33

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

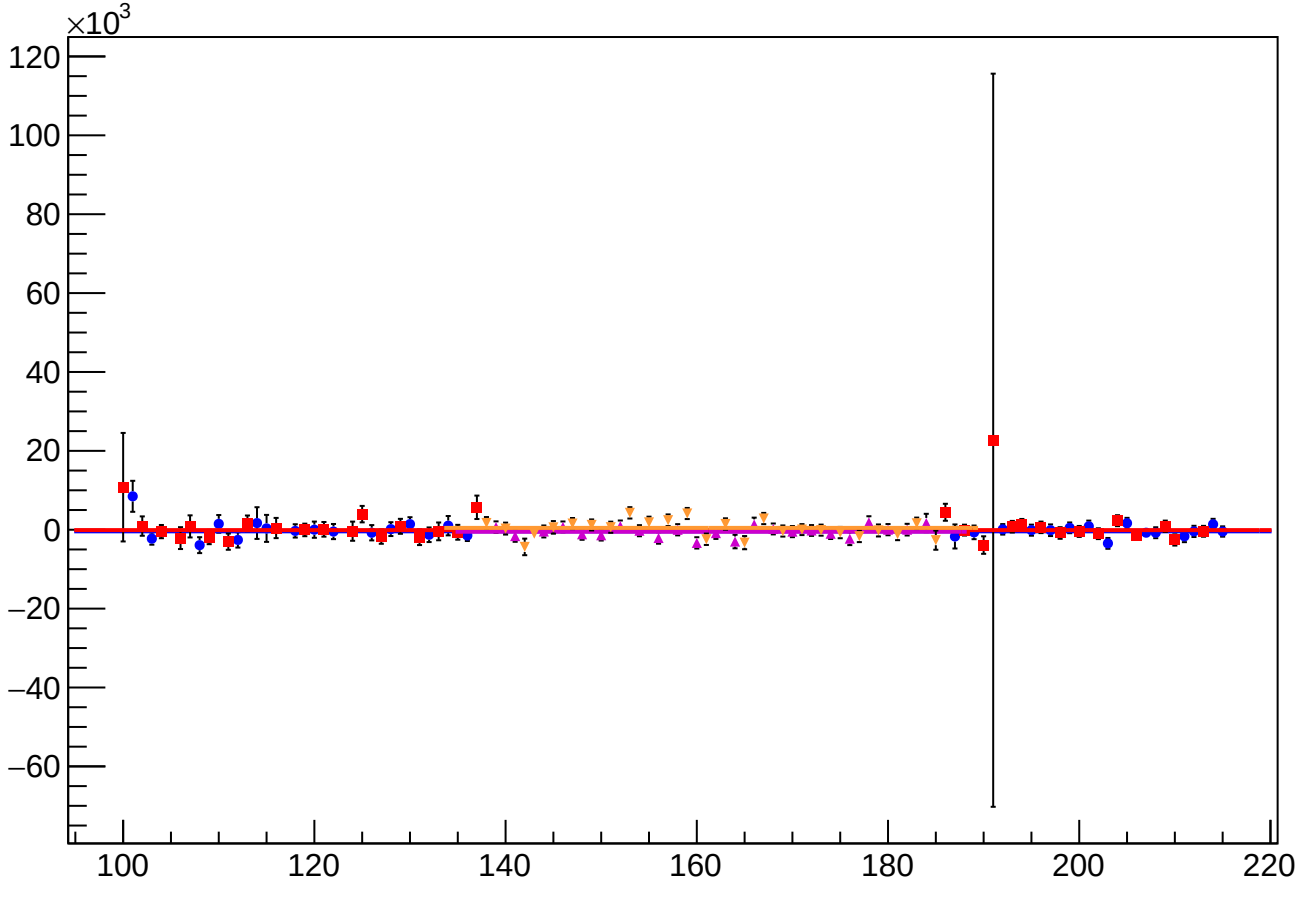
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4129.761+/-0.492 χ^2/NDF: 5725996.7/64

In: 4336.739+/-0.513 χ^2/NDF:3405534.8/53

Out: 4067.846+/-0.484 χ^2/NDF:5597793.9/58

All: 4194.533+/-0.352 χ^2/NDF: 9148499.1/11



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -94.185+/-303.071 χ^2/NDF: 32.7/33

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

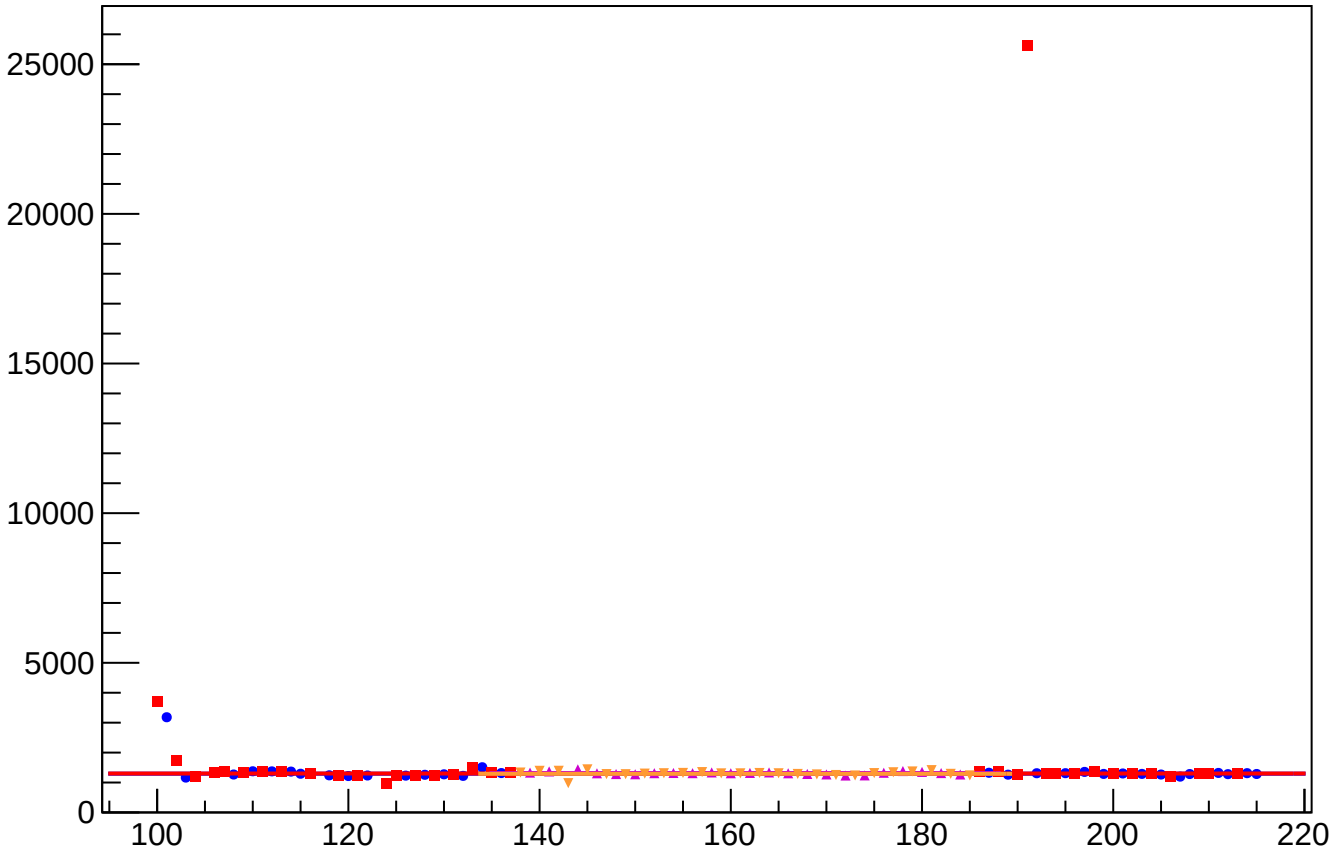
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -251.929+/-212.111 χ^2/NDF: 58.9/64

In: -451.794+/-213.463 χ^2/NDF:43.1/53

Out: 195.166+/-211.118 χ^2/NDF:78.6/58

All: -124.742+/-150.105 χ^2/NDF: 126.4/112



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.3/30

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.970+/-0.214 χ^2/NDF: 378350.0/33

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

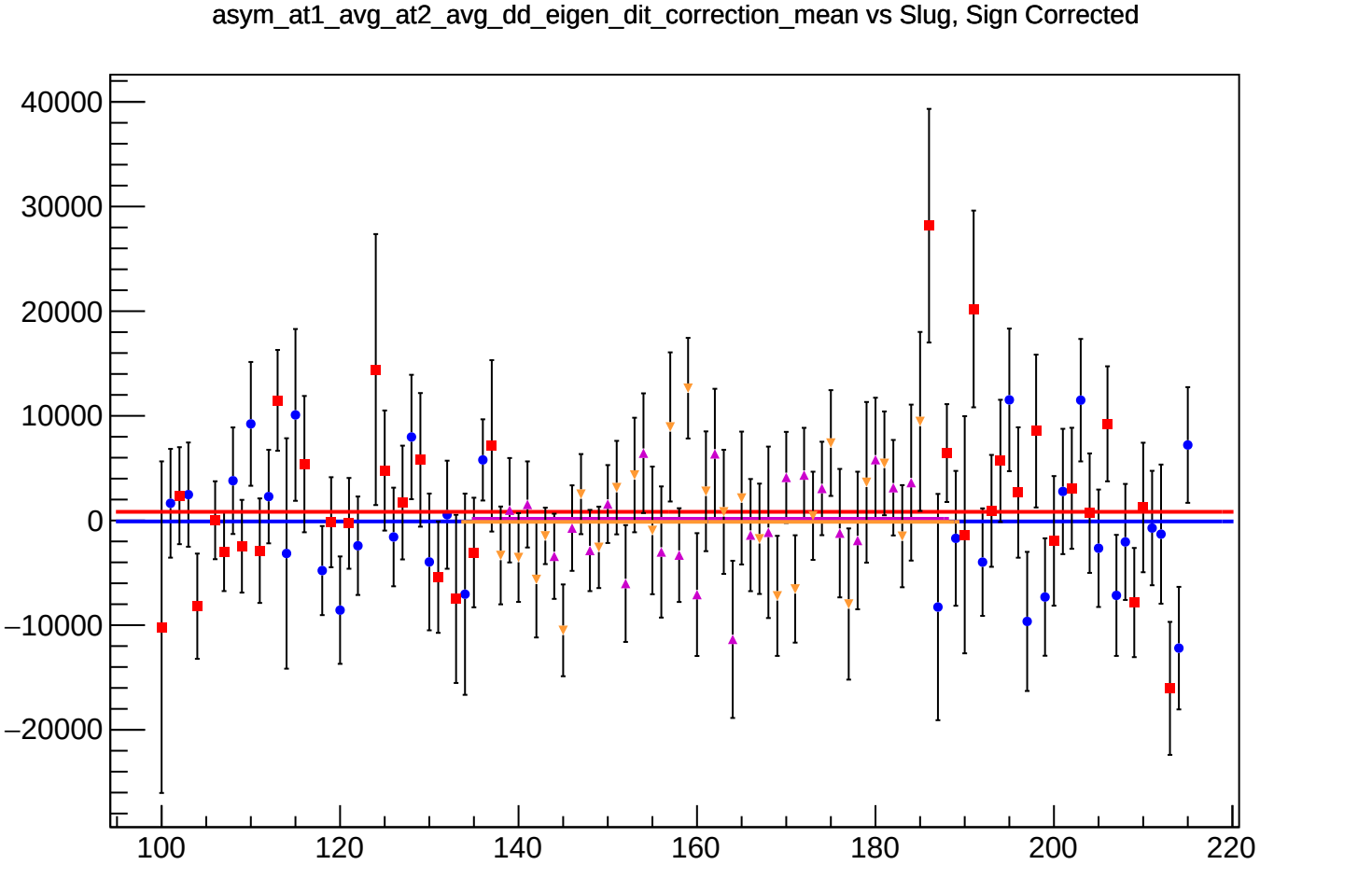
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.822+/-0.150 χ^2/NDF: 908982.8/64

In: 1304.081+/-0.151 χ^2/NDF:577300.9/53

Out: 1295.949+/-0.149 χ^2/NDF:610155.3/58

All: 1299.969+/-0.106 χ^2/NDF: 1188923.9/11



Right In: -89.755+/-1008.402 χ^2/NDF: 34.5/30

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 828.101+/-960.638 χ^2/NDF: 43.4/33

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

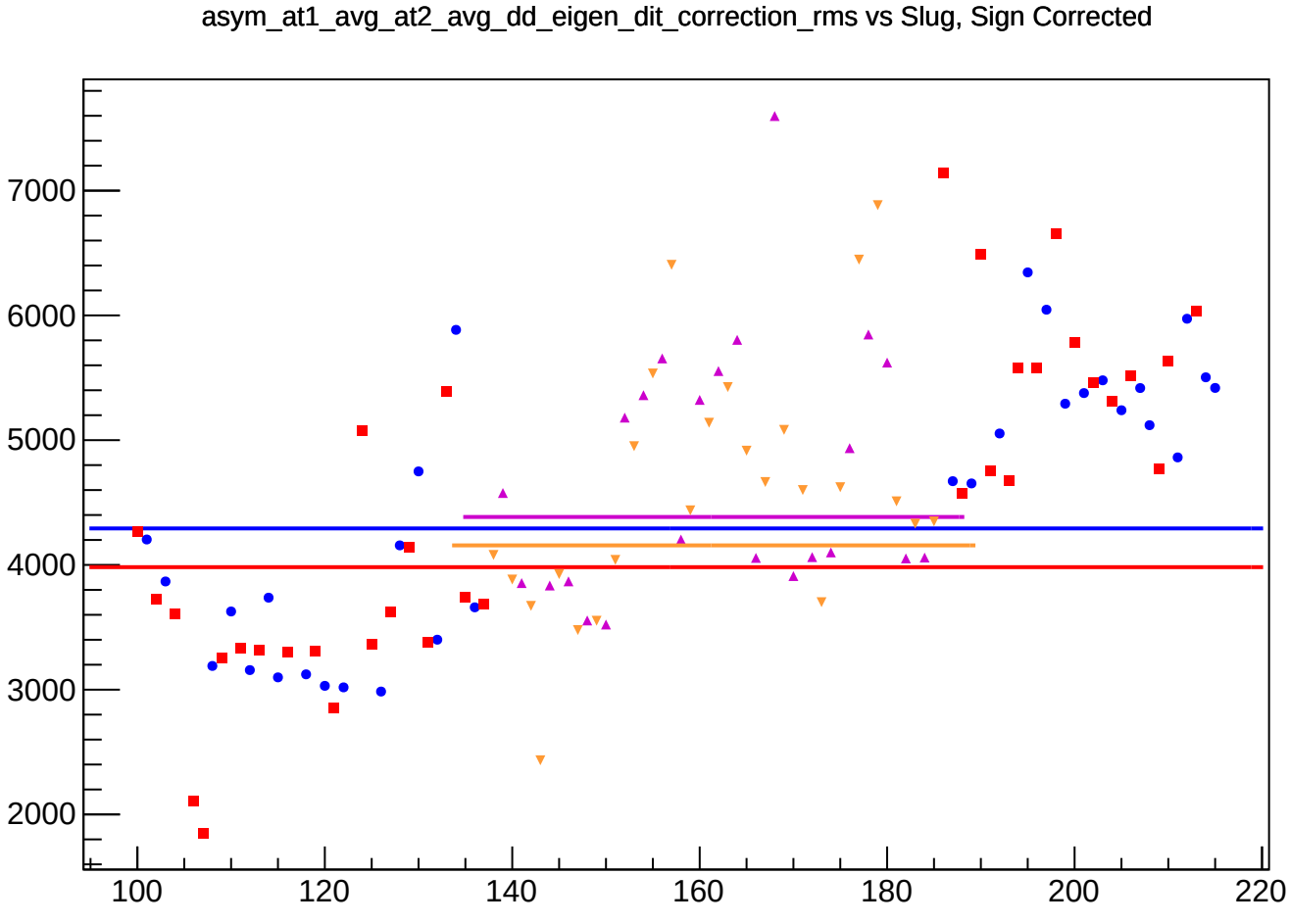
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 391.425+/-695.547 χ^2/NDF: 78.4/64

In: 30.348+/-725.813 χ^2/NDF:48.4/53

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 203.944+/-498.197 χ^2/NDF: 120.9/112



Right In: 4292.468+/-0.713 χ^2/NDF: 2142105.7/30

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3982.092+/-0.679 χ^2/NDF: 3484636.6/33

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

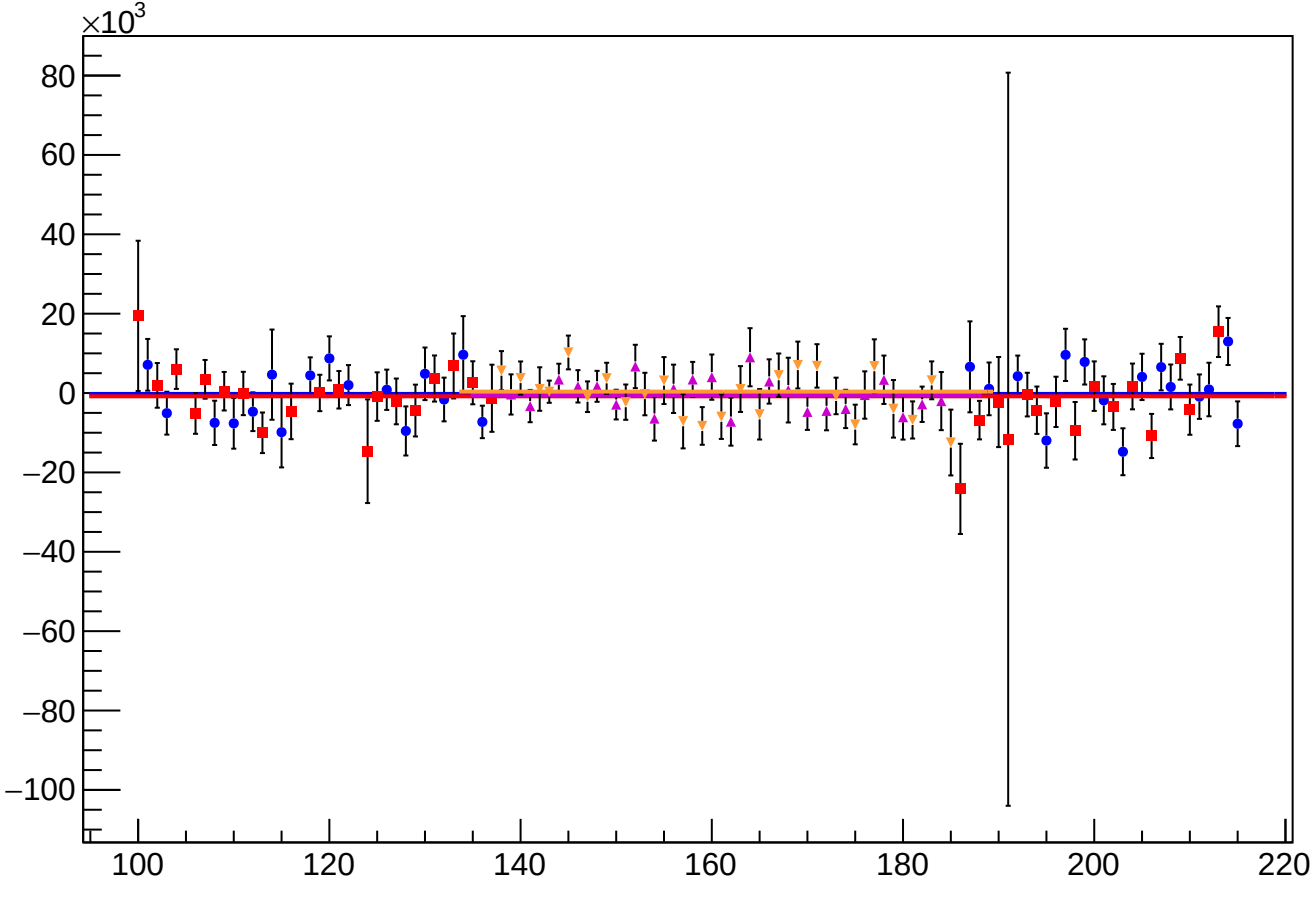
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4129.756+/-0.492 χ^2/NDF: 5726070.3/64

In: 4336.740+/-0.513 χ^2/NDF:3405579.4/53

Out: 4067.846+/-0.484 χ^2/NDF:5597835.7/58

All: 4194.533+/-0.352 χ^2/NDF: 9148586.2/11



Right In: -220.989+/-1060.049 χ^2/NDF: 41.4/30

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -822.015+/-1039.558 χ^2/NDF: 33.2/33

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

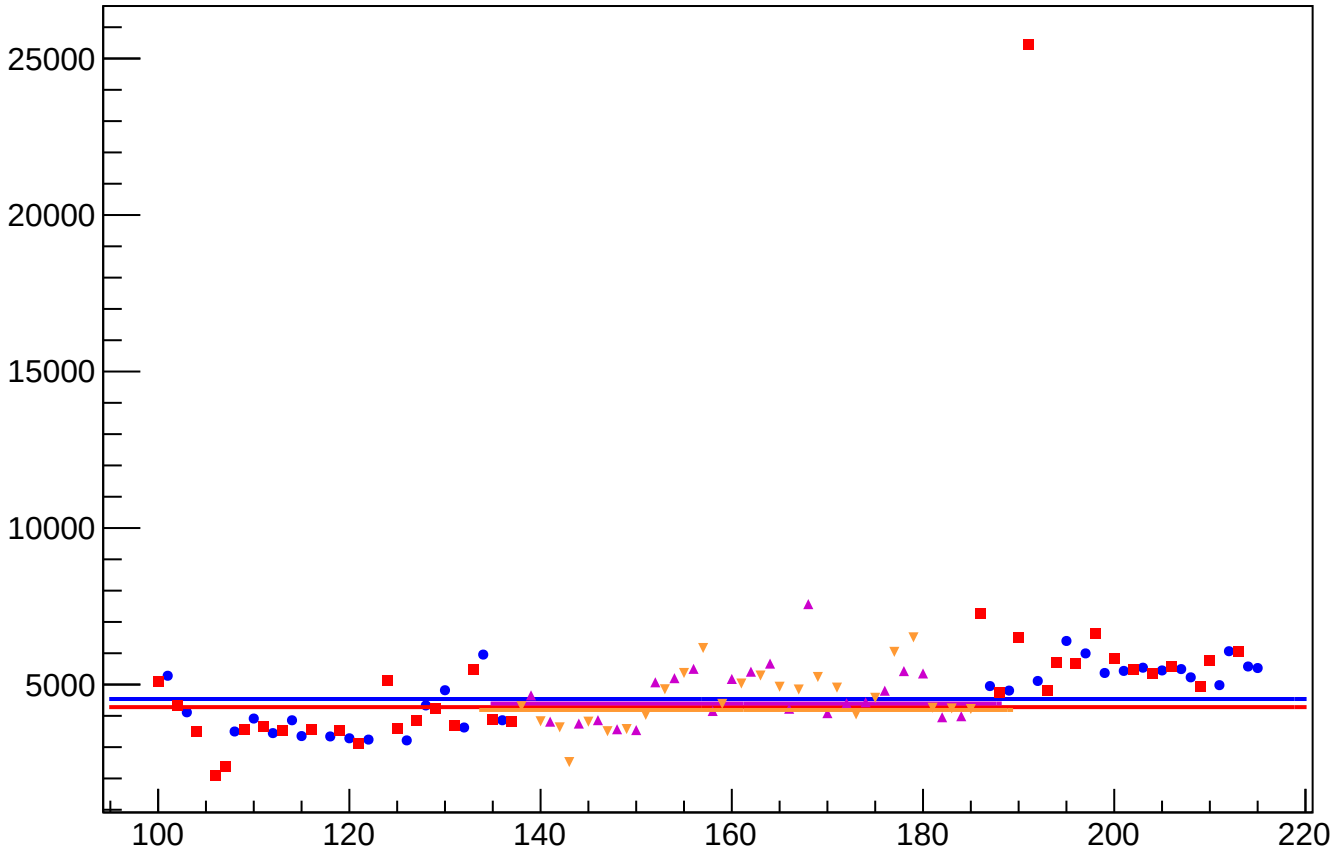
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

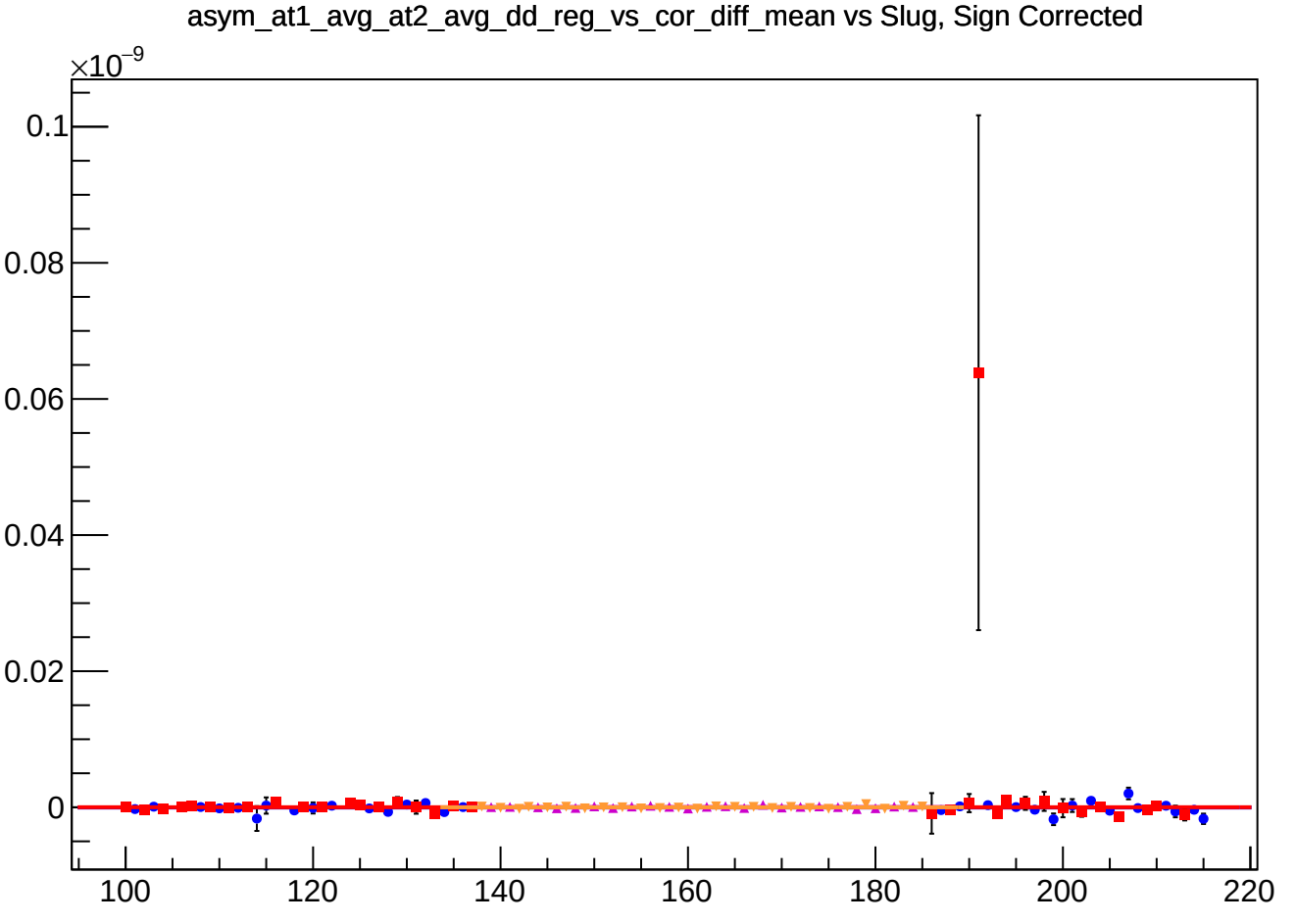
Right: -527.367+/-742.217 χ^2/NDF: 74.7/64

In: -361.271+/-744.084 χ^2/NDF:55.3/53

Out: -194.756+/-713.037 χ^2/NDF:61.6/58

All: -274.467+/-514.819 χ^2/NDF: 116.9/112


asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 4538.146+/-0.750 χ²/NDF: 1724125.7/30
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4278.738+/-0.729 χ²/NDF: 2771161.8/33
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4404.828+/-0.523 χ²/NDF: 4556841.4/64
In: 4465.187+/-0.526 χ²/NDF:2831196.7/53
Out: 4230.987+/-0.502 χ²/NDF:4575675.1/58
All: 4342.638+/-0.363 χ²/NDF: 7510549.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/33

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

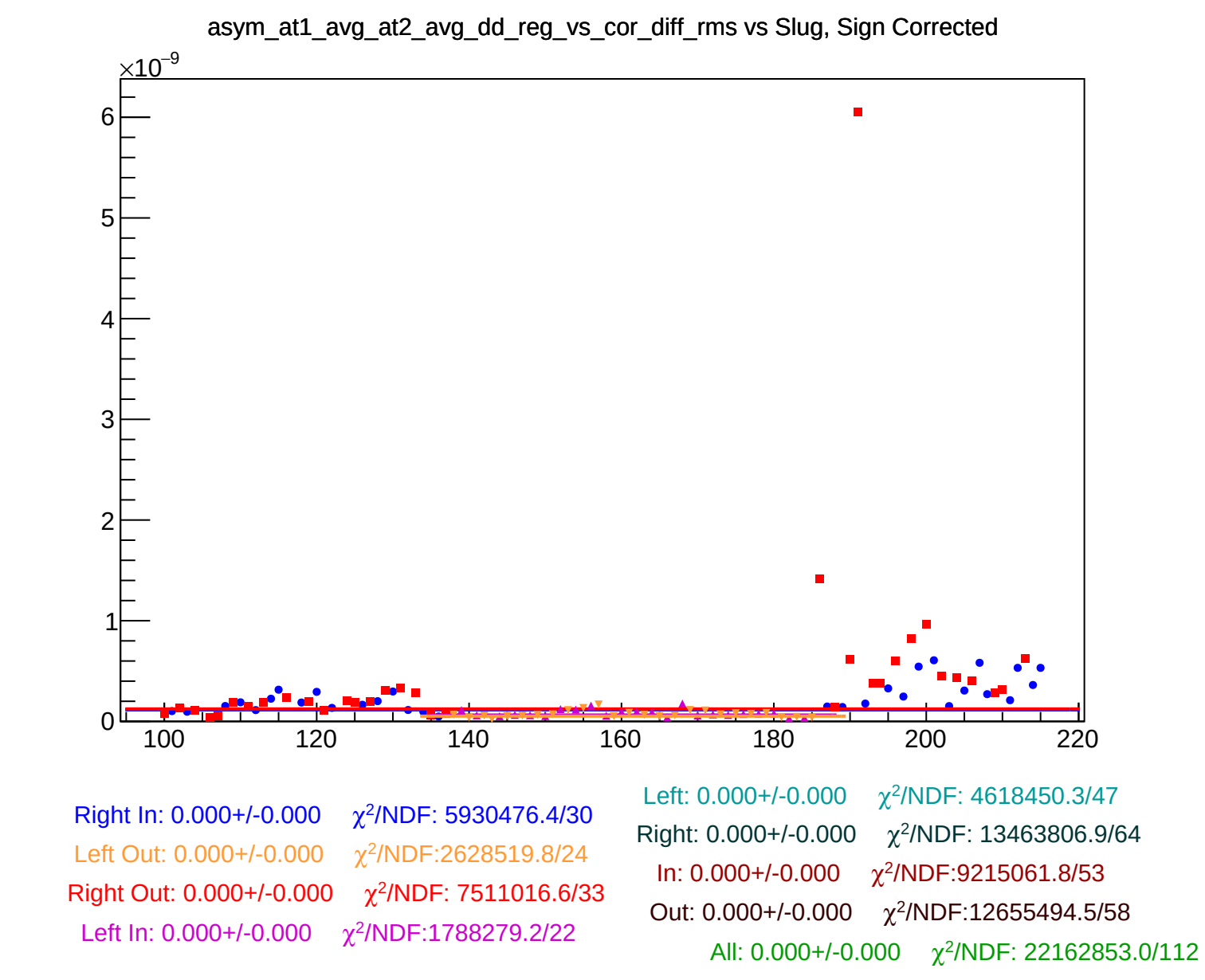
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 76.0/64

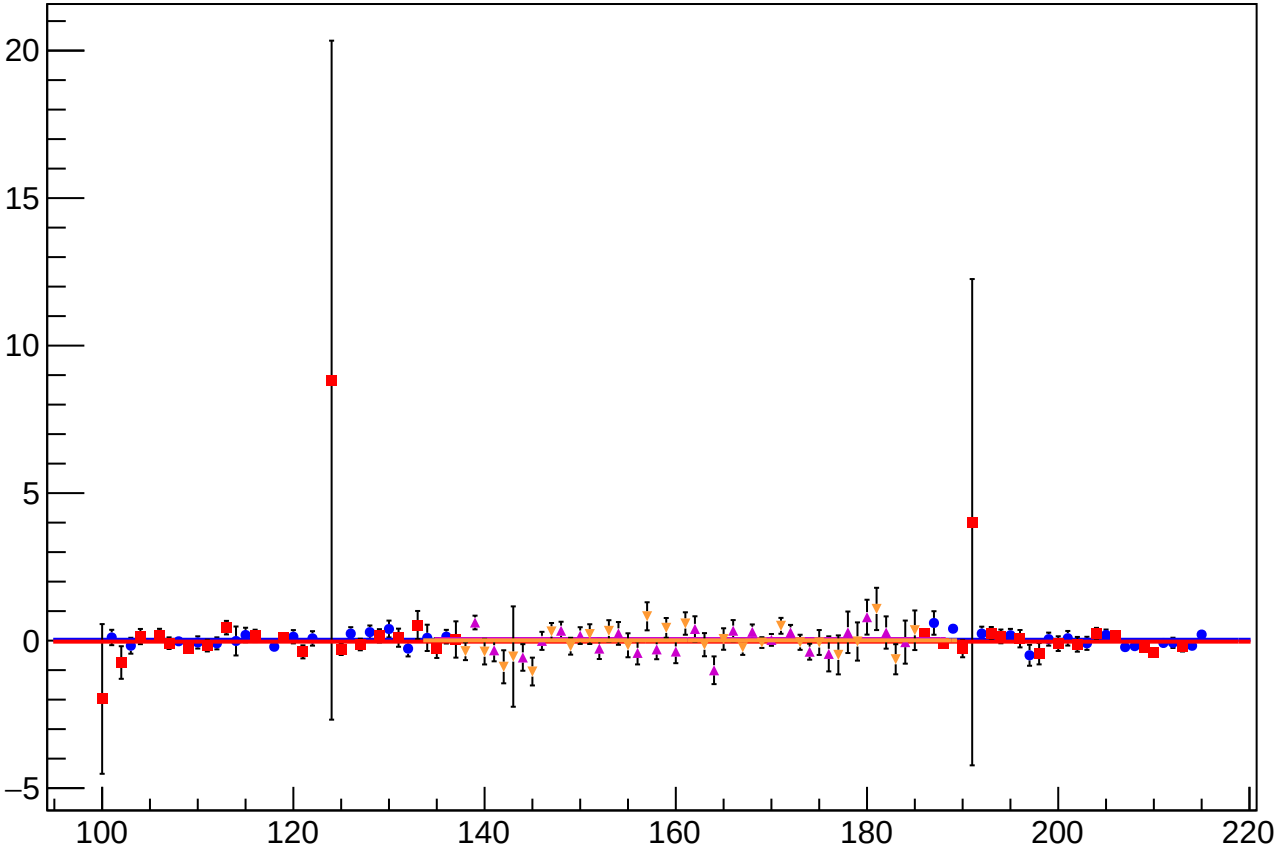
In: 0.000+/-0.000 χ^2/NDF:58.2/53

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: 0.000+/-0.000 χ^2/NDF: 124.2/112


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5930476.4/30
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 7511016.6/33
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 13463806.9/64
In: 0.000+/-0.000 χ²/NDF:9215061.8/53
Out: 0.000+/-0.000 χ²/NDF:12655494.5/58
All: 0.000+/-0.000 χ²/NDF: 22162853.0/112

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

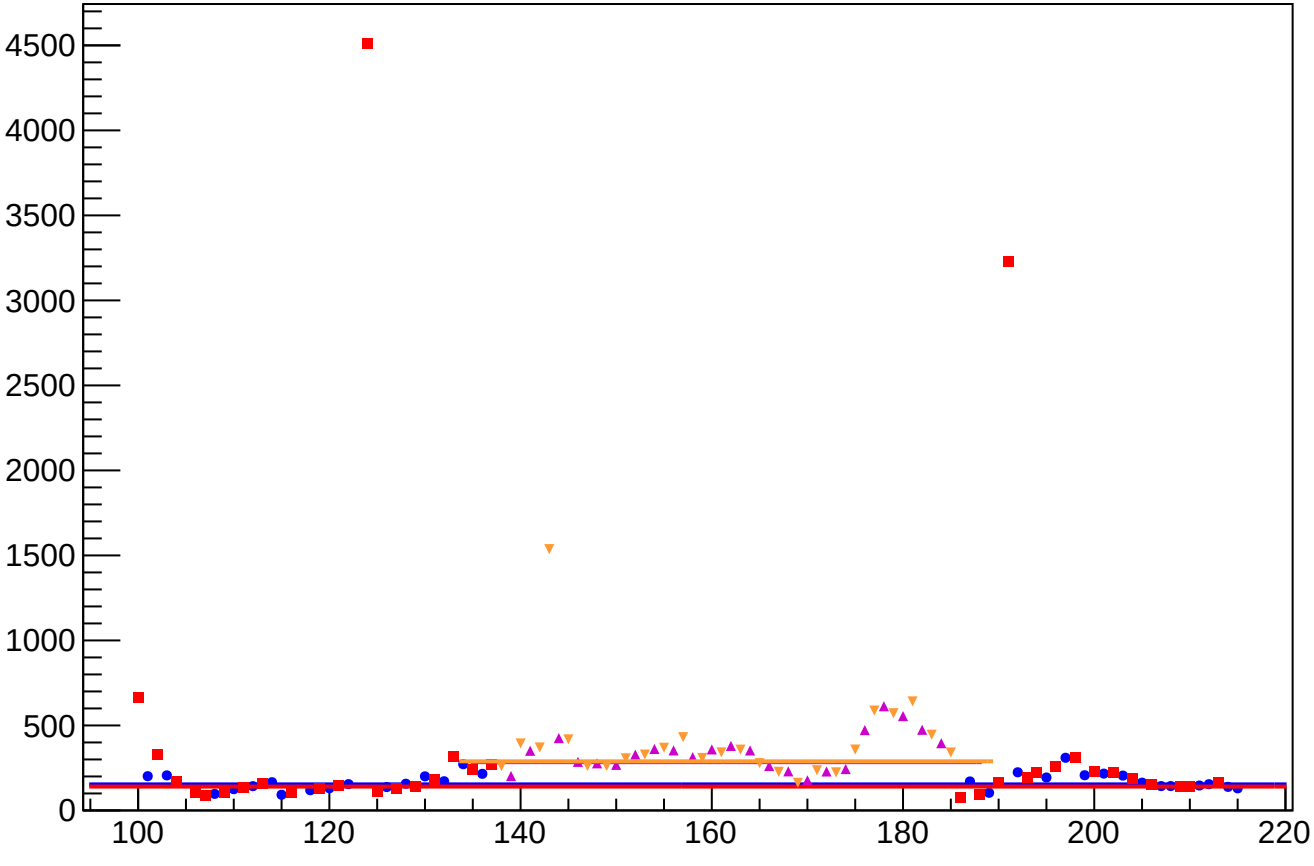
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

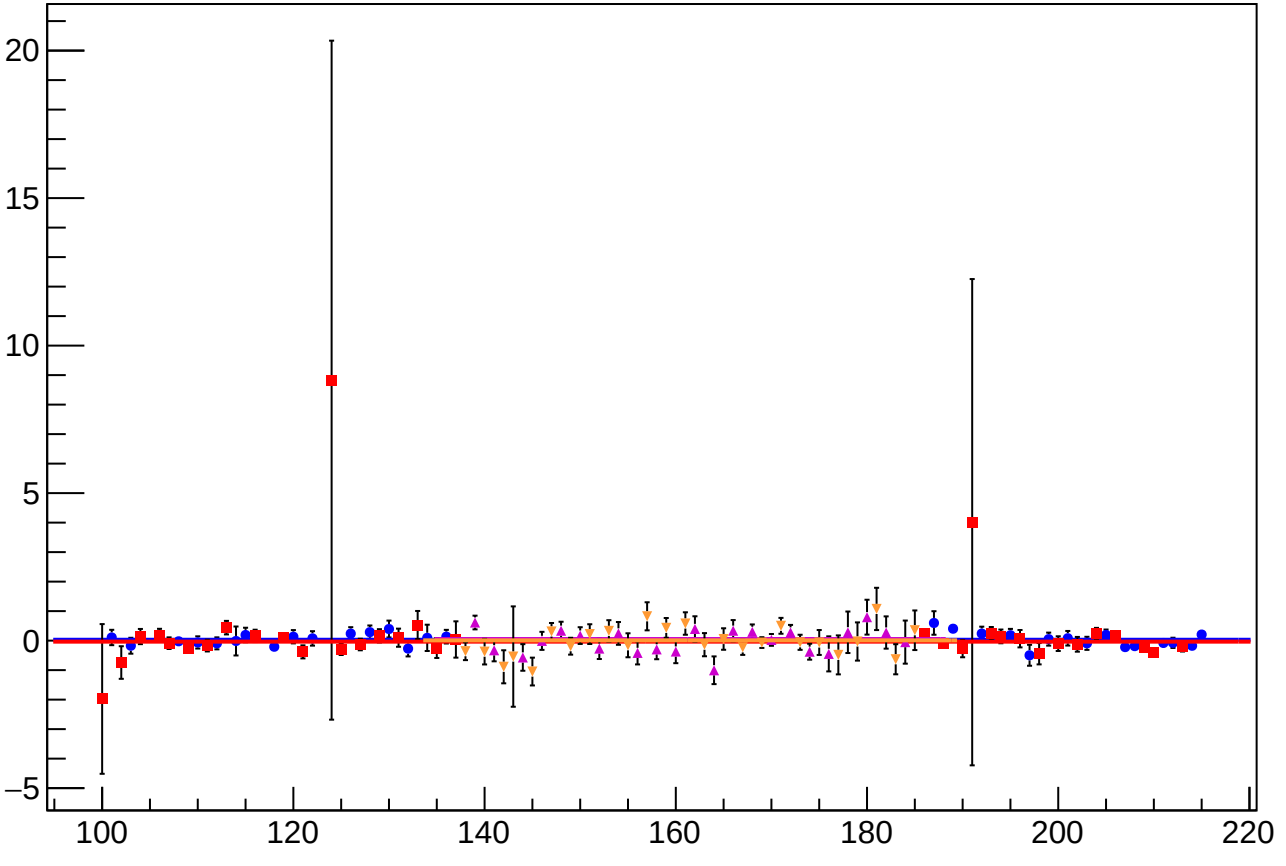
Right: 146.706+/-0.018 χ^2/NDF: 7194374.3/64

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 175.841+/-0.016 χ^2/NDF: 27305470.3/12

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

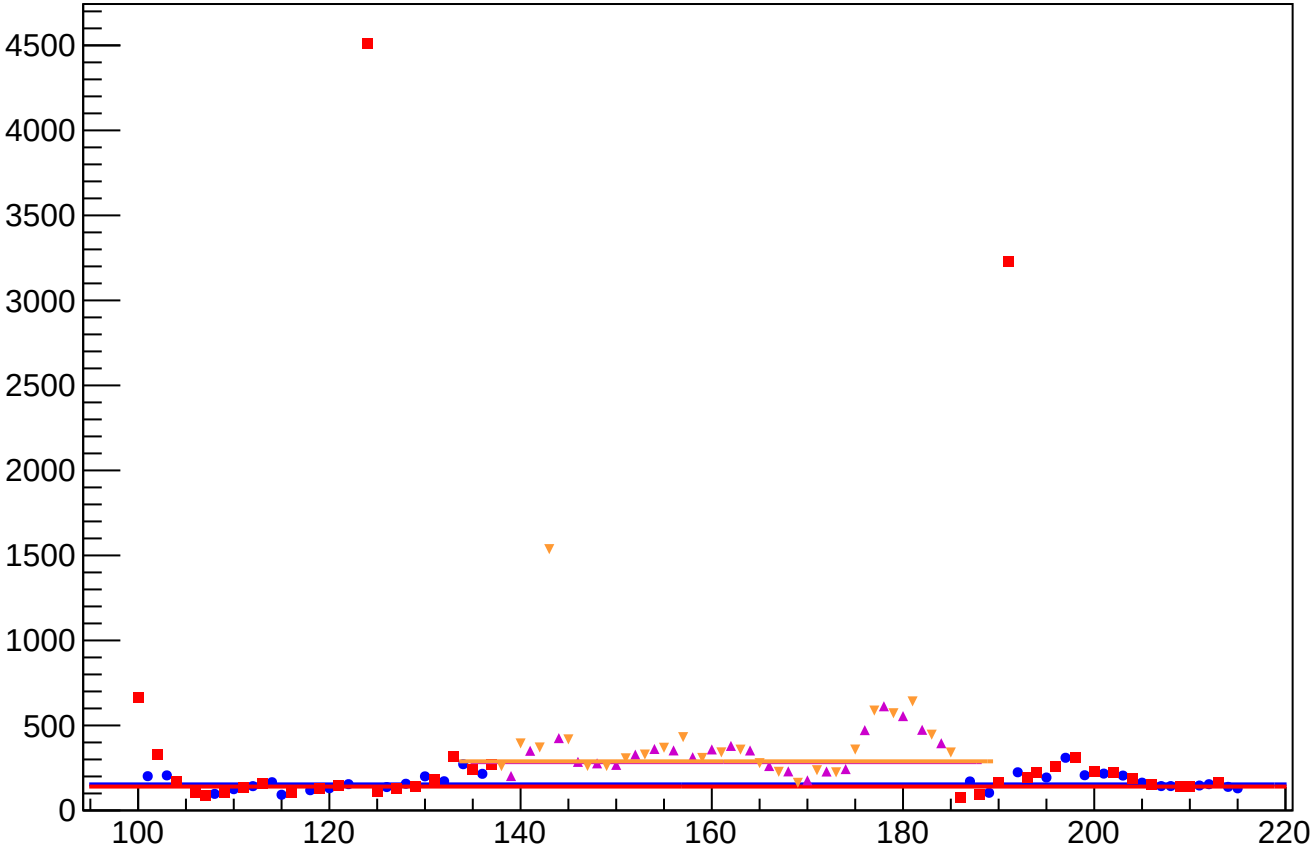
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

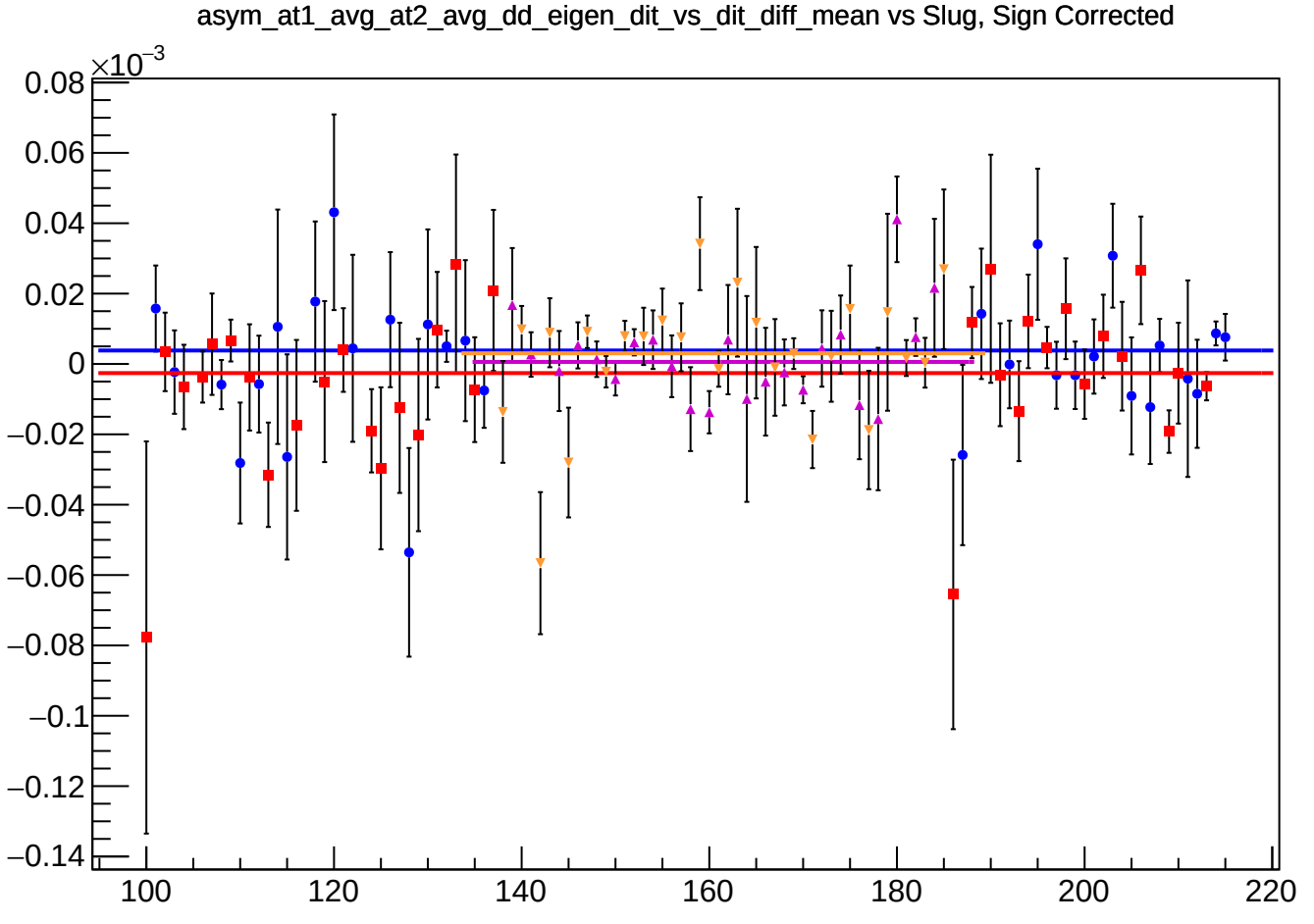
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 146.706+/-0.018 χ^2/NDF: 7194374.3/64

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 175.841+/-0.016 χ^2/NDF: 27305470.3/1



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/33

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

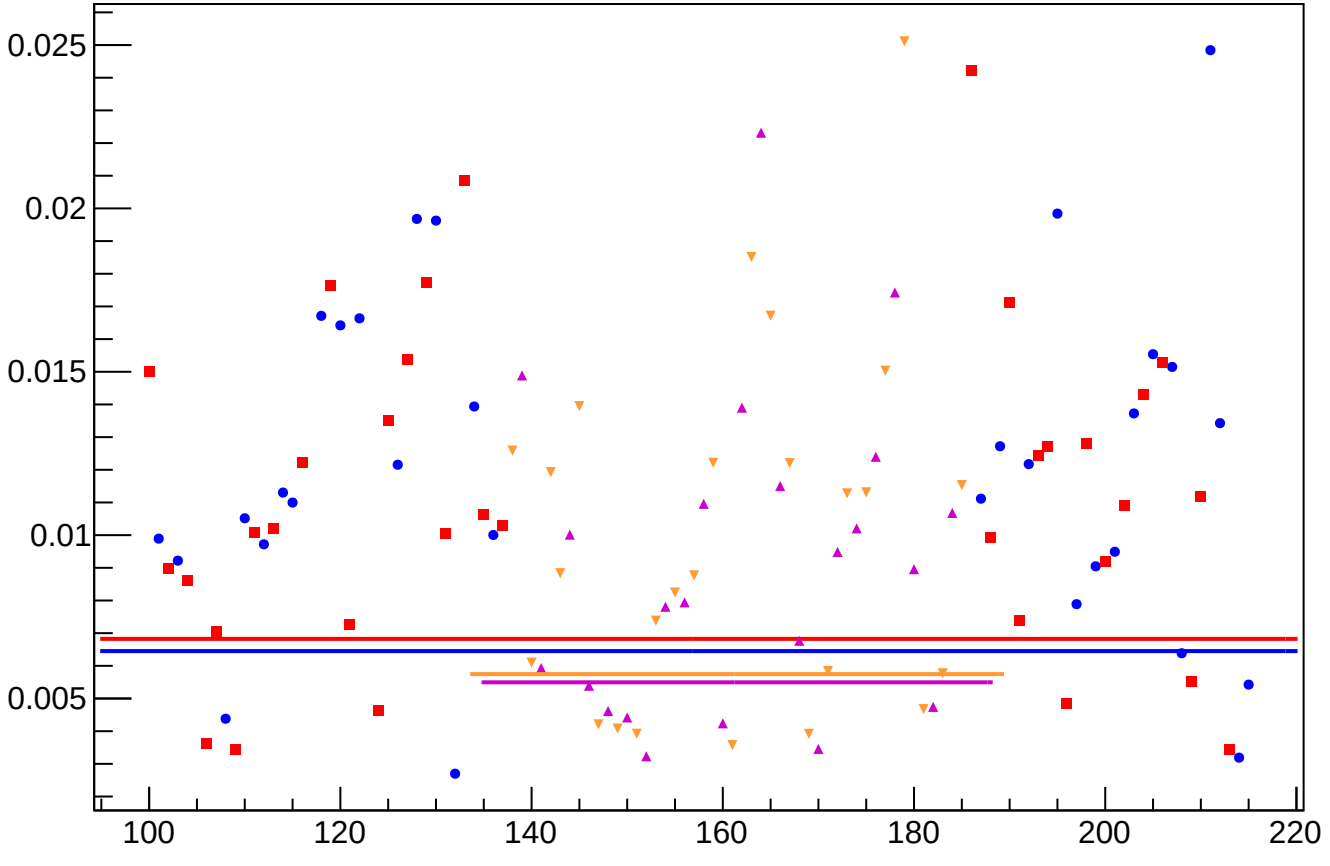
Right: 0.000+/-0.000 χ^2/NDF: 74.5/64

In: 0.000+/-0.000 χ^2/NDF:63.8/53

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 151.7/112

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: 11320349.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8640607.2/33

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

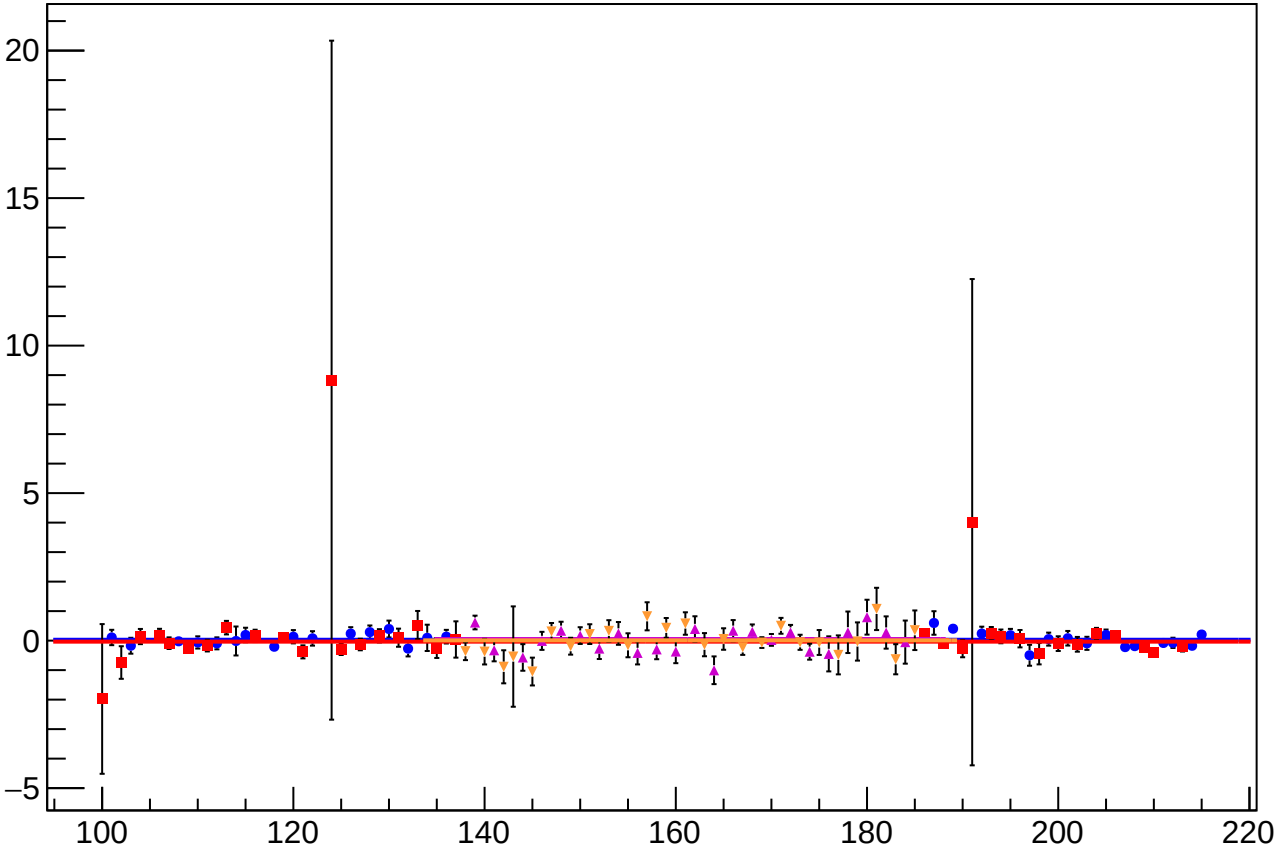
Right: 0.007+/-0.000 χ^2/NDF: 20002702.7/64

In: 0.006+/-0.000 χ^2/NDF:18585008.7/53

Out: 0.006+/-0.000 χ^2/NDF:17173359.8/58

All: 0.006+/-0.000 χ^2/NDF: 35820761.5/112

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

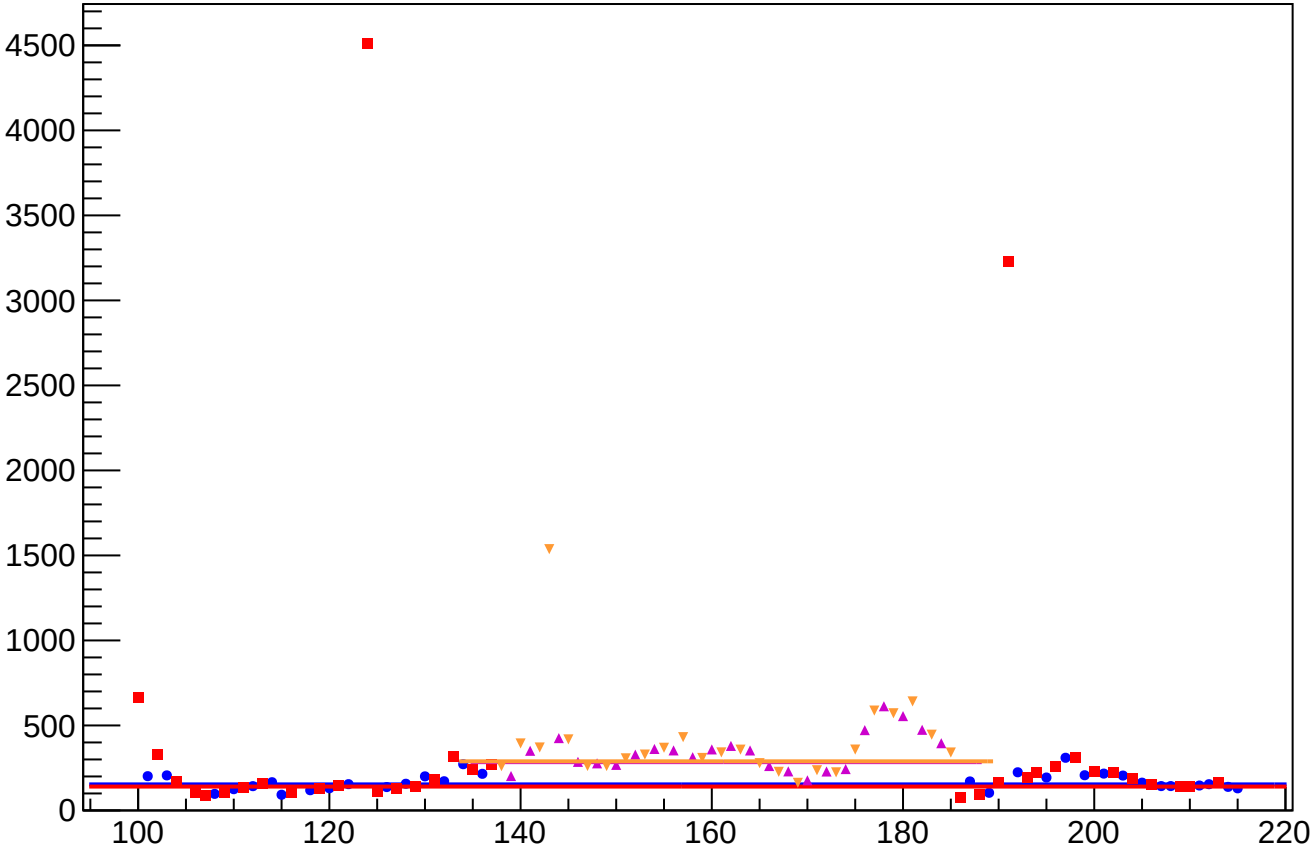
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

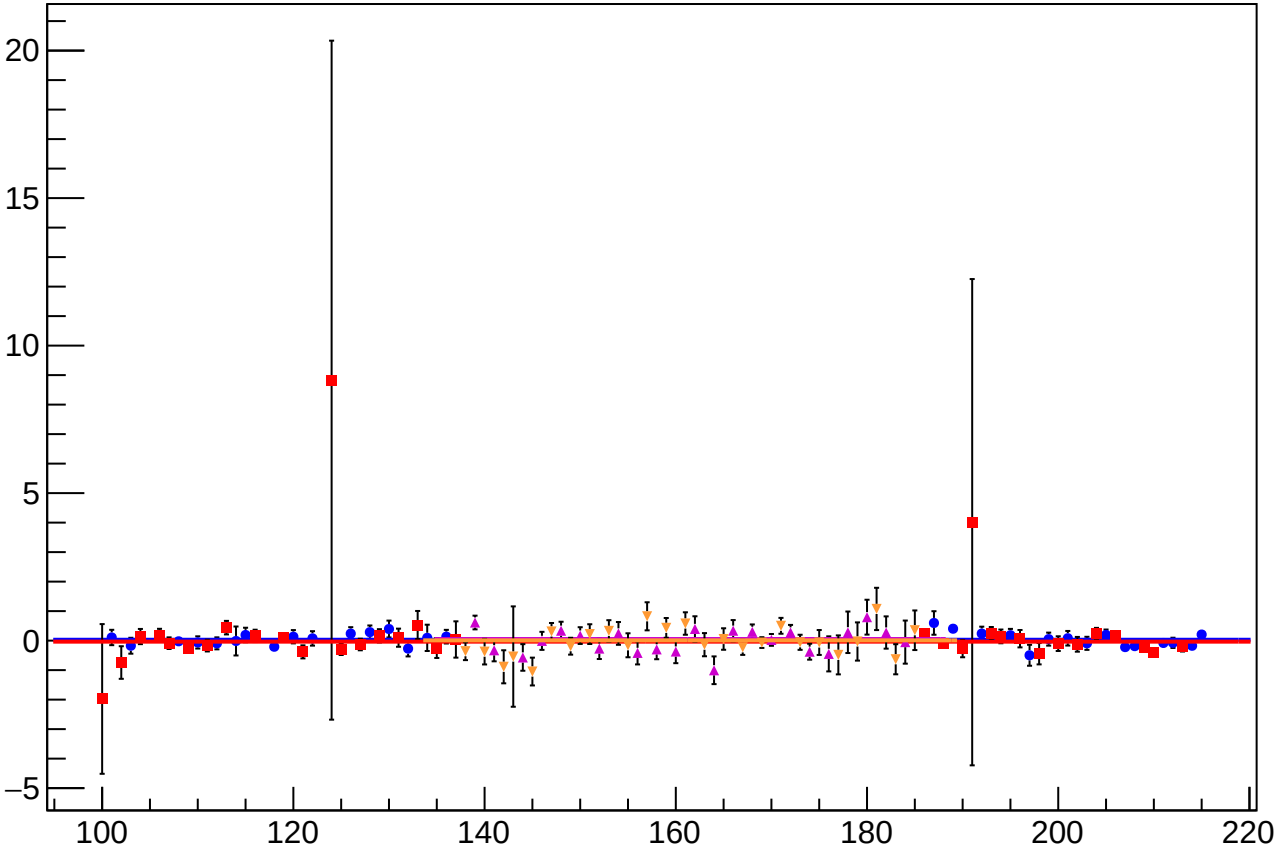
Right: 146.708+/-0.018 χ^2/NDF: 7194168.7/64

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 175.842+/-0.016 χ^2/NDF: 27305374.3/1

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

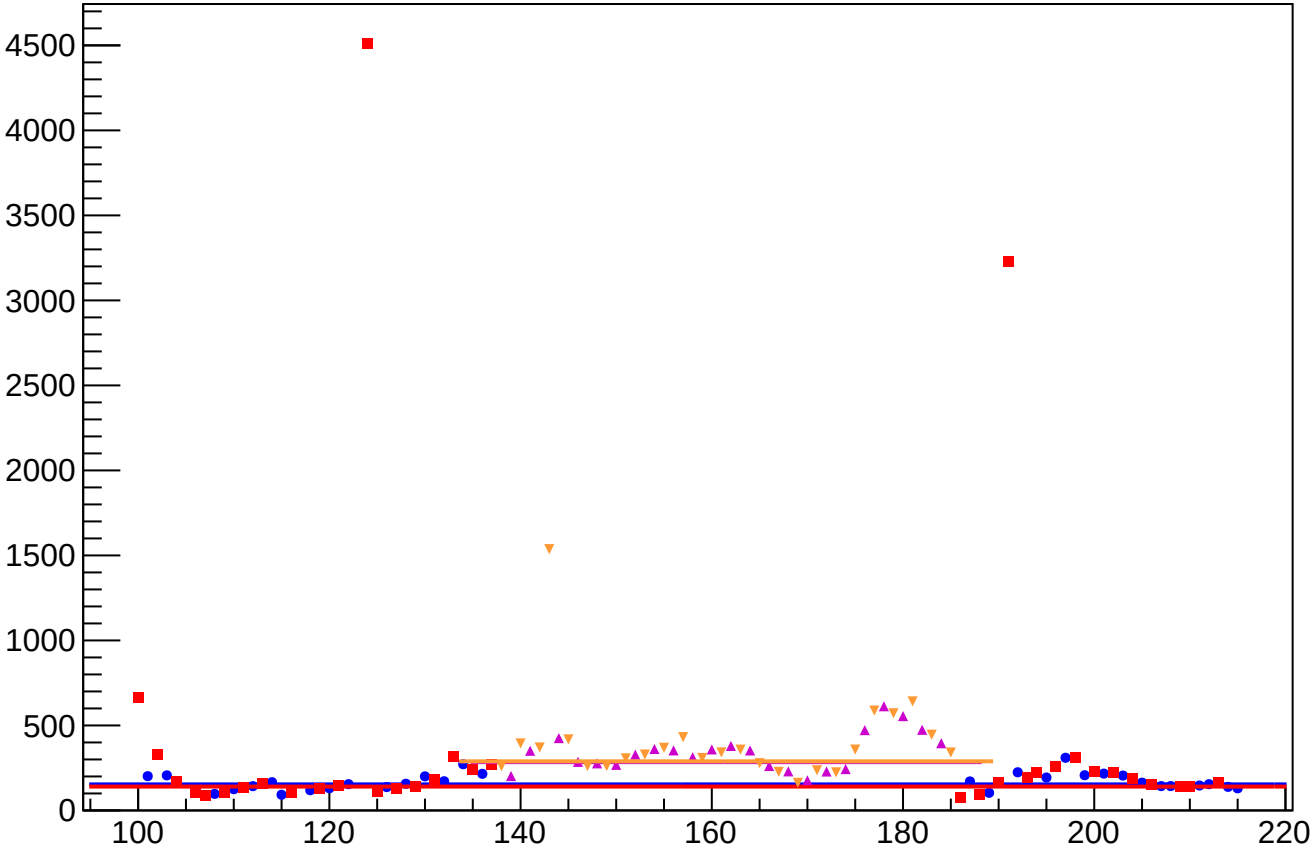
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

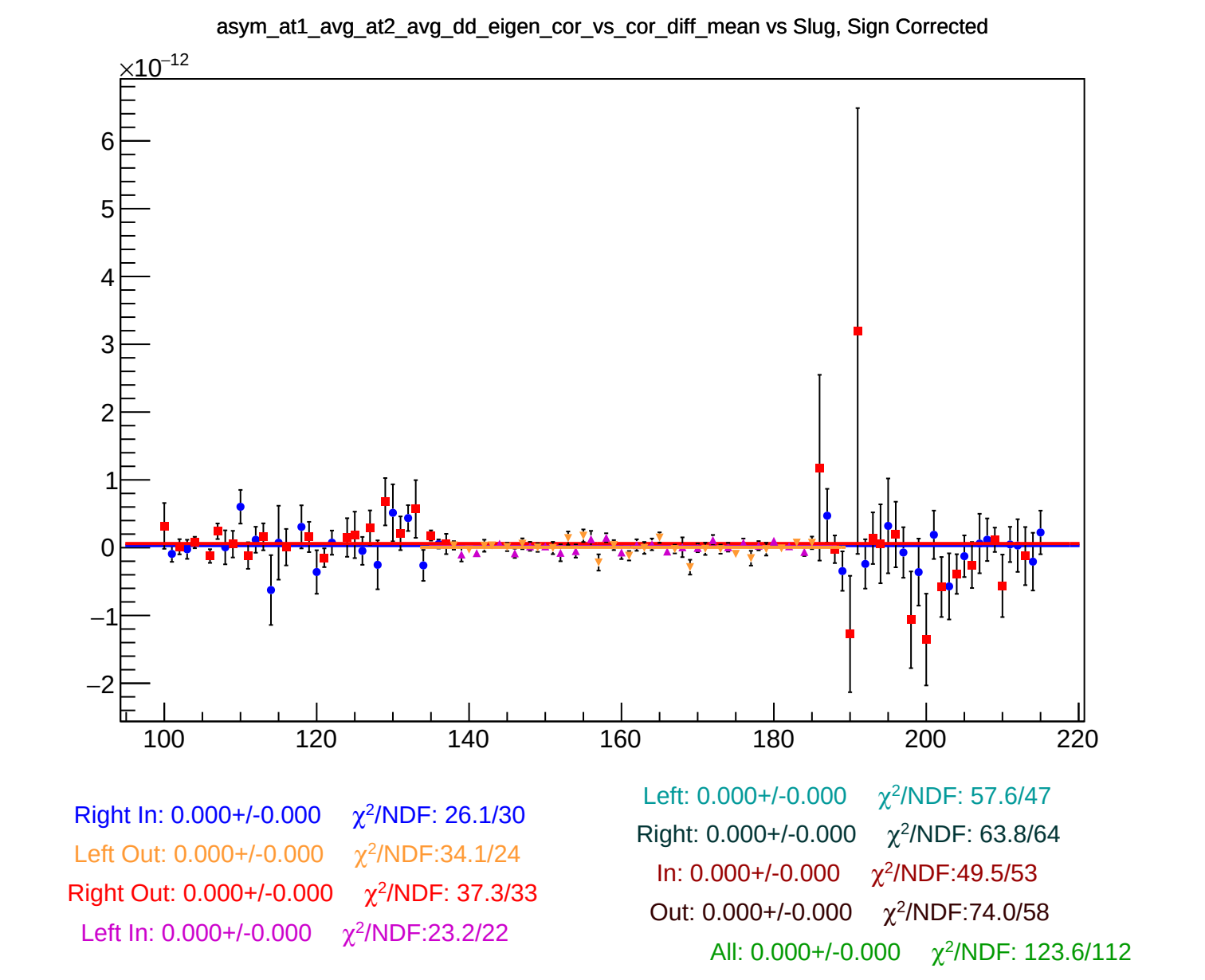
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

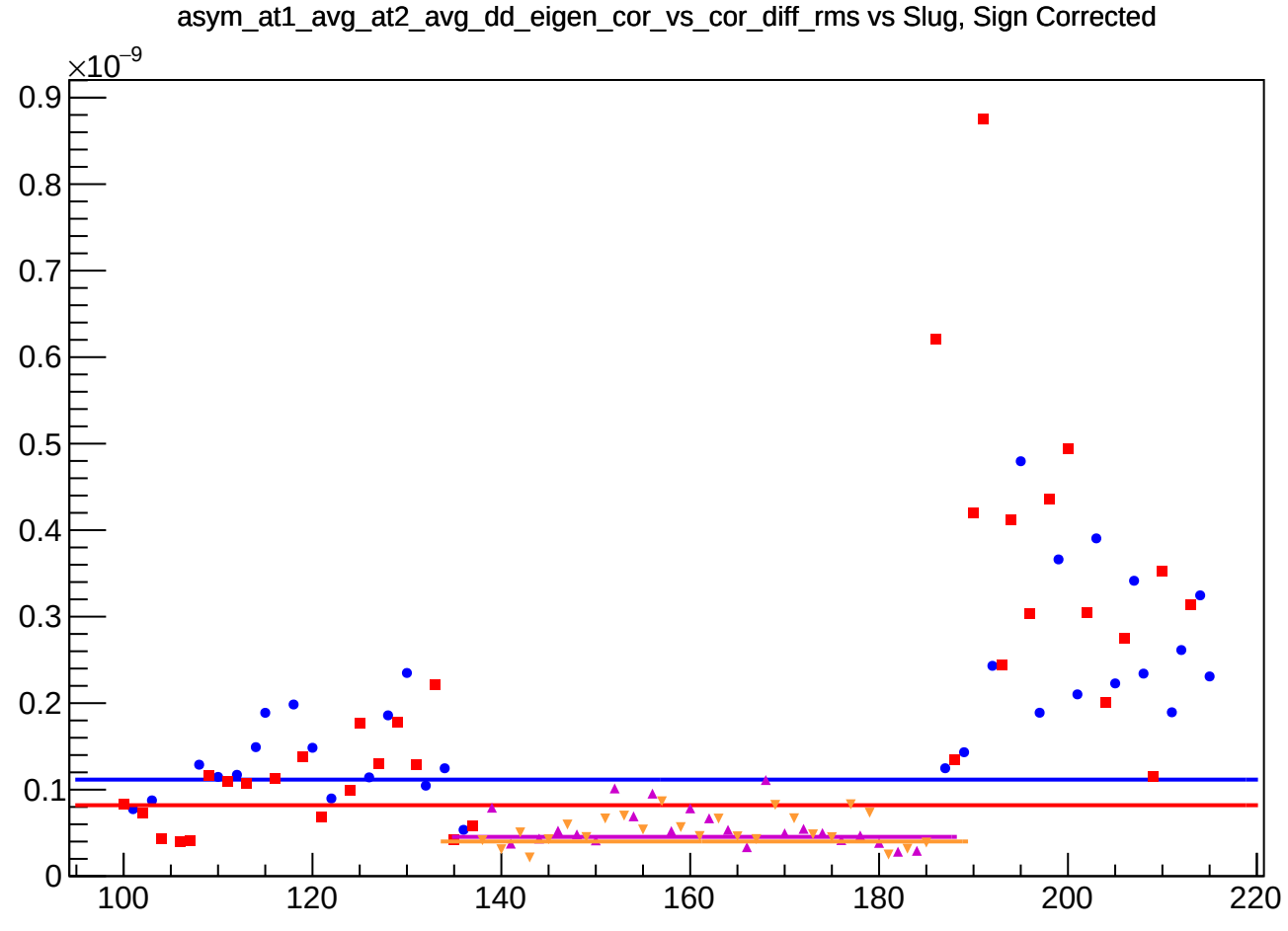
Right: 146.708+/-0.018 χ^2/NDF: 7194168.7/64

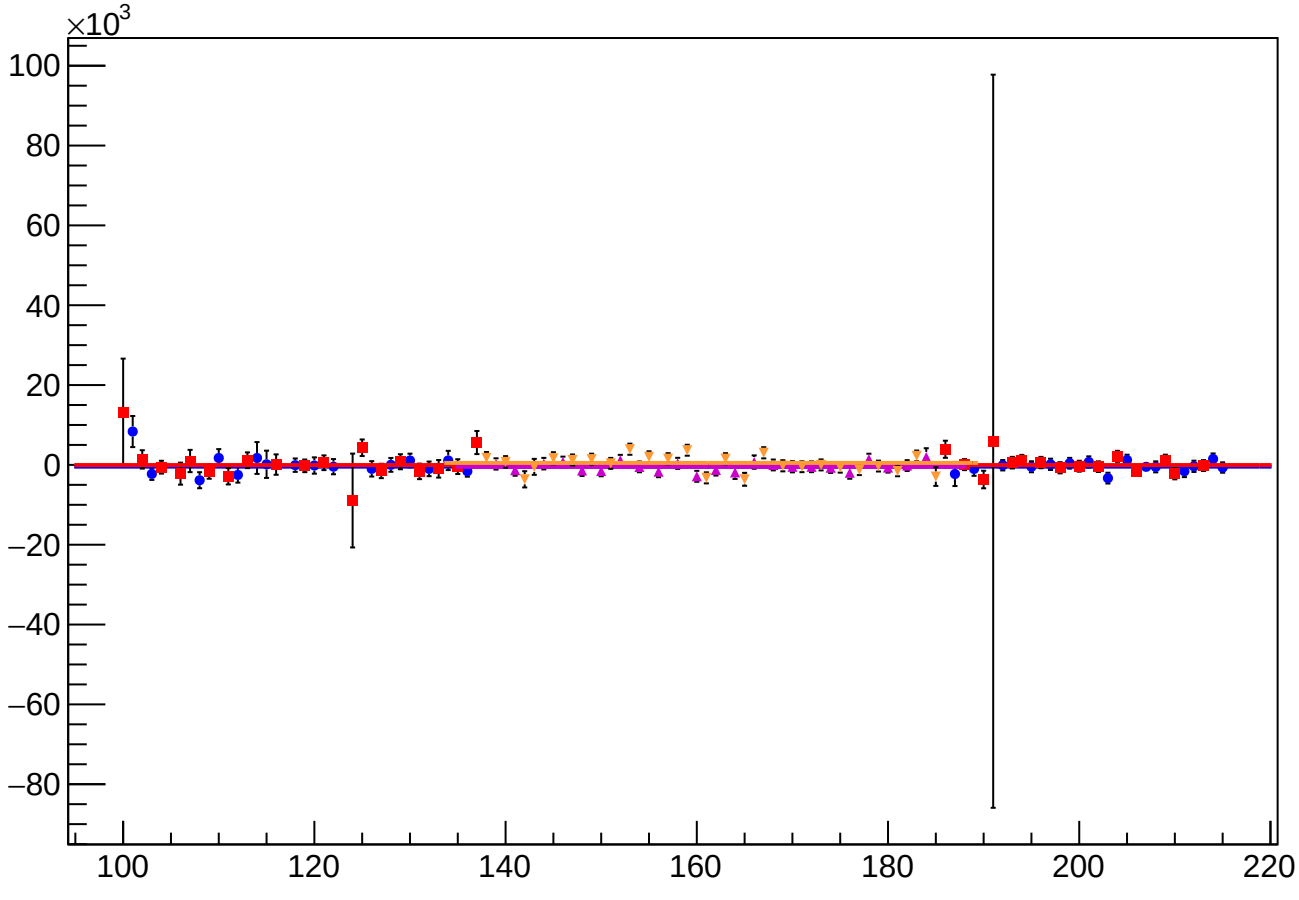
In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 175.842+/-0.016 χ^2/NDF: 27305374.3/11


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 26.1/30
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.3/33
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 63.8/64
In: 0.000+/-0.000 χ²/NDF:49.5/53
Out: 0.000+/-0.000 χ²/NDF:74.0/58
All: 0.000+/-0.000 χ²/NDF: 123.6/112


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6898634.1/30
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 8993126.0/33
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
Left: 0.000+/-0.000 χ²/NDF: 6559252.5/47
Right: 0.000+/-0.000 χ²/NDF: 16579192.1/64
In: 0.000+/-0.000 χ²/NDF:14838485.8/53
Out: 0.000+/-0.000 χ²/NDF:15559745.2/58
All: 0.000+/-0.000 χ²/NDF: 30751307.1/112



Right In: -438.594+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -43.378+/-300.709 χ^2/NDF: 31.1/33

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

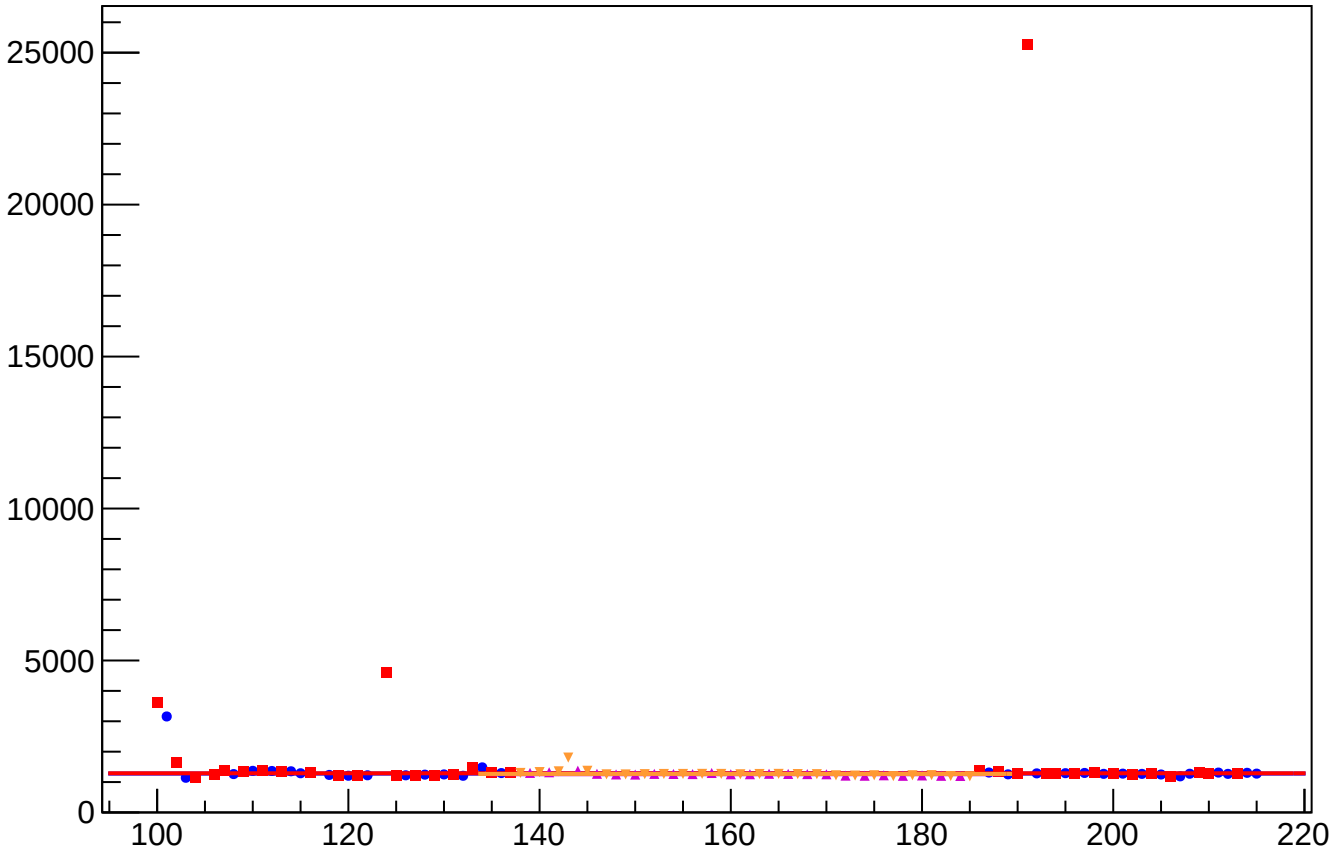
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -245.957+/-209.942 χ^2/NDF: 56.5/64

In: -462.664+/-207.538 χ^2/NDF:38.9/53

Out: 235.437+/-208.181 χ^2/NDF:79.7/58

All: -114.693+/-146.978 χ^2/NDF: 124.2/112



Right In: 1278.671+/-0.207 χ^2/NDF: 530240.2/30

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.153+/-0.212 χ^2/NDF: 482746.6/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

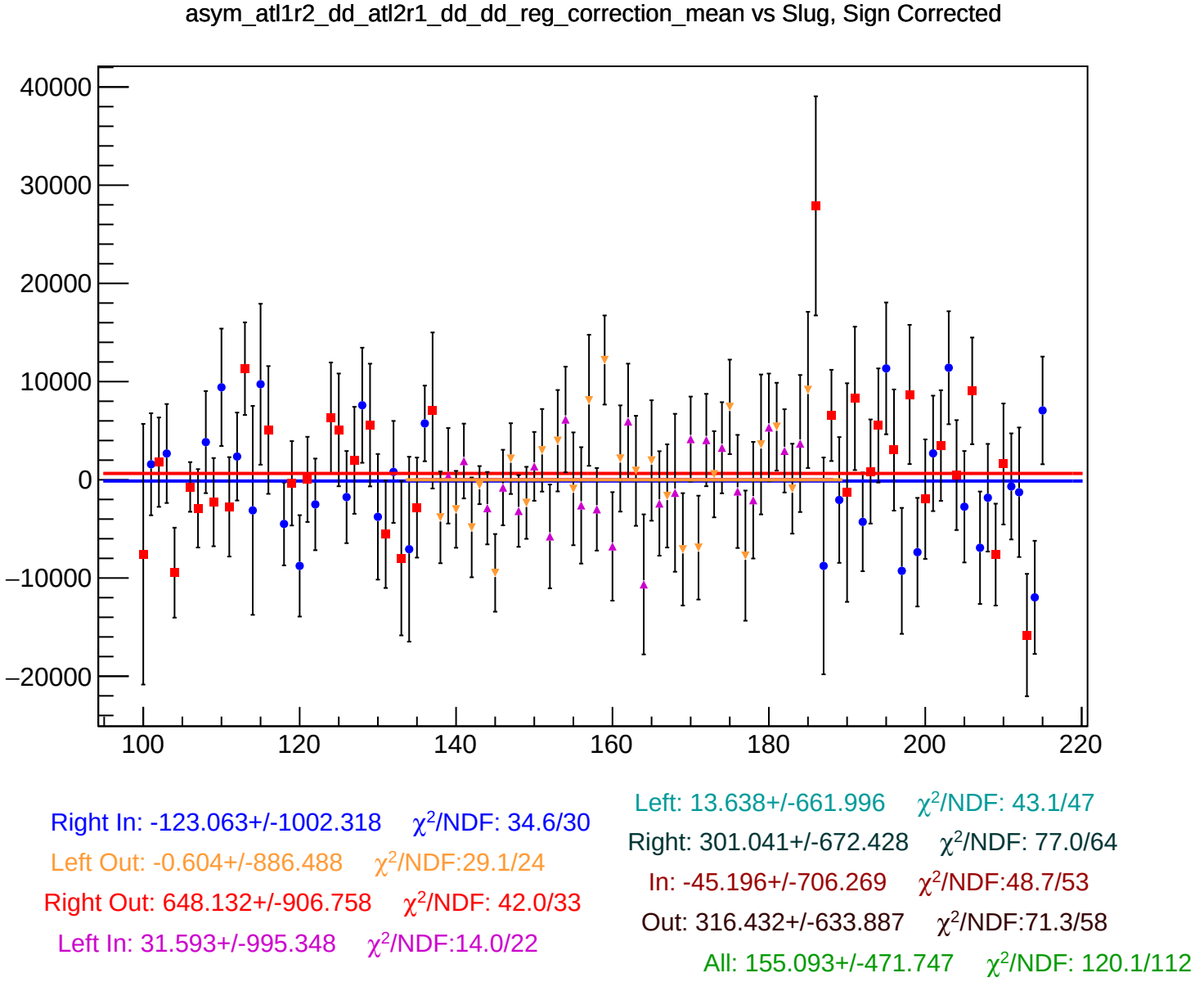
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1283.785+/-0.148 χ^2/NDF: 1014233.7/64

In: 1268.130+/-0.147 χ^2/NDF:572234.4/53

Out: 1277.611+/-0.147 χ^2/NDF:675966.6/58

All: 1272.858+/-0.104 χ^2/NDF: 1250282.6/11


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
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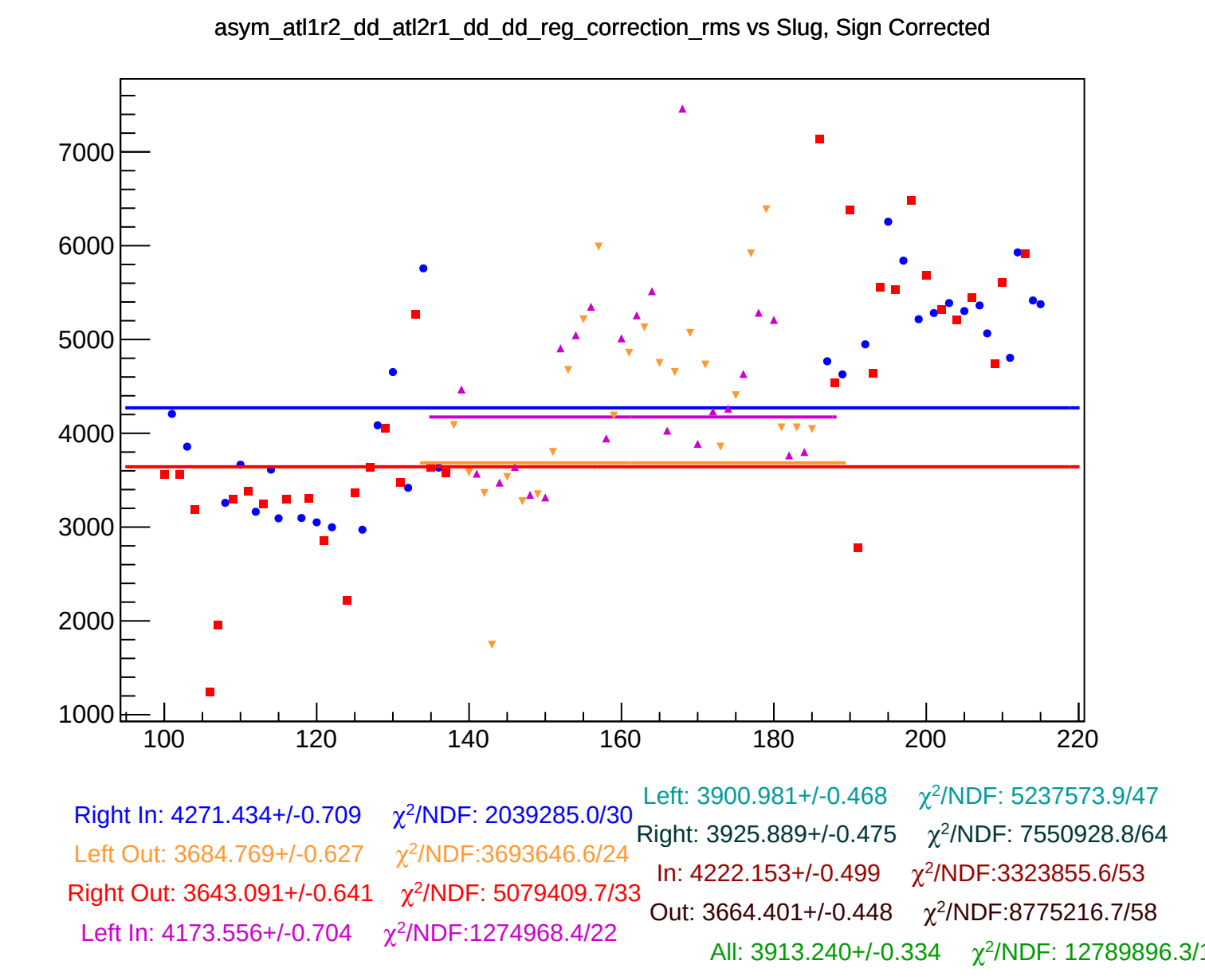
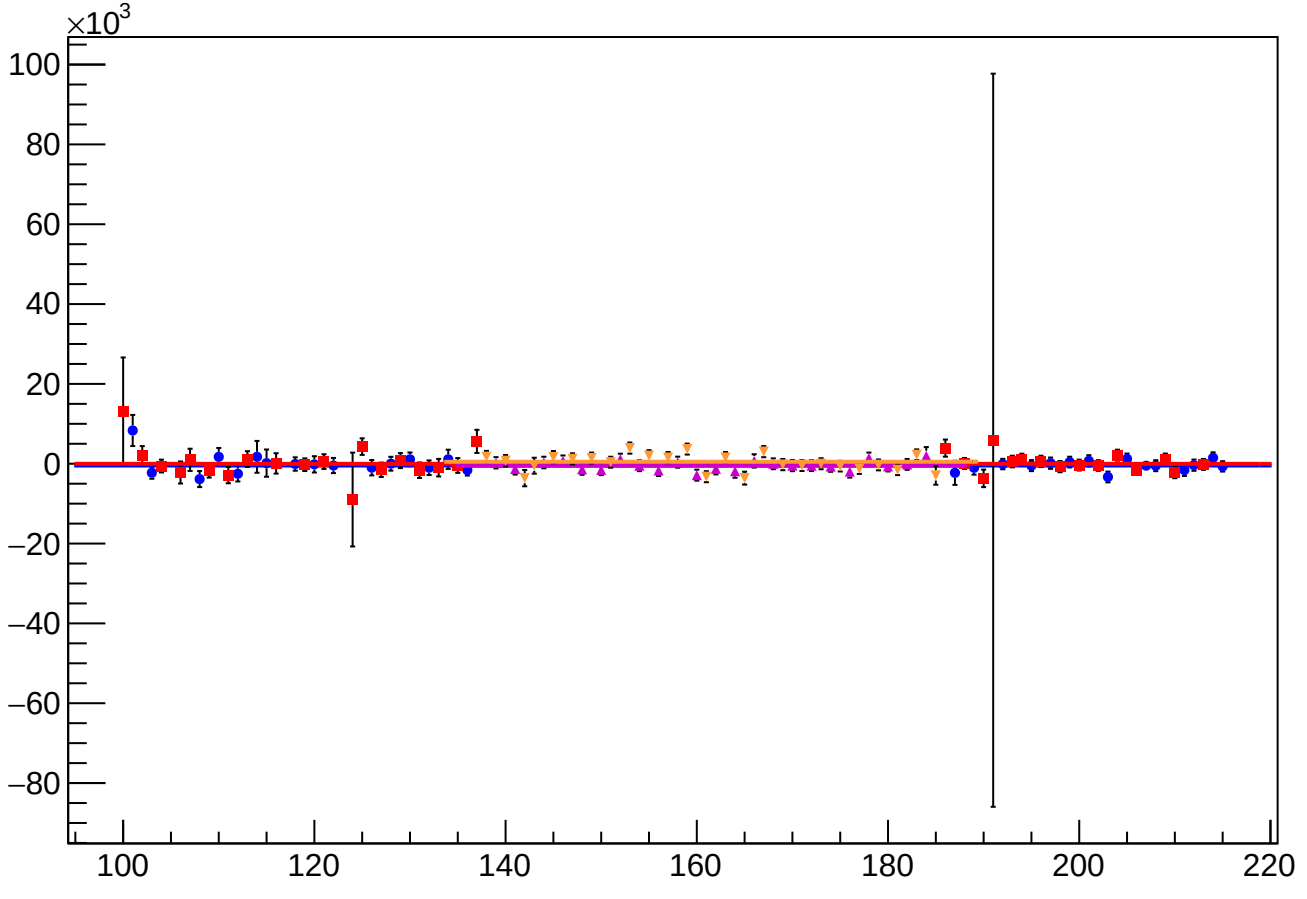
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -123.063+/-1002.318 χ²/NDF: 34.6/30
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 648.132+/-906.758 χ²/NDF: 42.0/33
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 301.041+/-672.428 χ²/NDF: 77.0/64
In: -45.196+/-706.269 χ²/NDF:48.7/53
Out: 316.432+/-633.887 χ²/NDF:71.3/58
All: 155.093+/-471.747 χ²/NDF: 120.1/112


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 4271.434+/-0.709 χ²/NDF: 2039285.0/30
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3643.091+/-0.641 χ²/NDF: 5079409.7/33
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3925.889+/-0.475 χ²/NDF: 7550928.8/64
In: 4222.153+/-0.499 χ²/NDF:3323855.6/53
Out: 3664.401+/-0.448 χ²/NDF:8775216.7/58
All: 3913.240+/-0.334 χ²/NDF: 12789896.3/



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -32.367+/-300.785 χ^2/NDF: 31.6/33

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

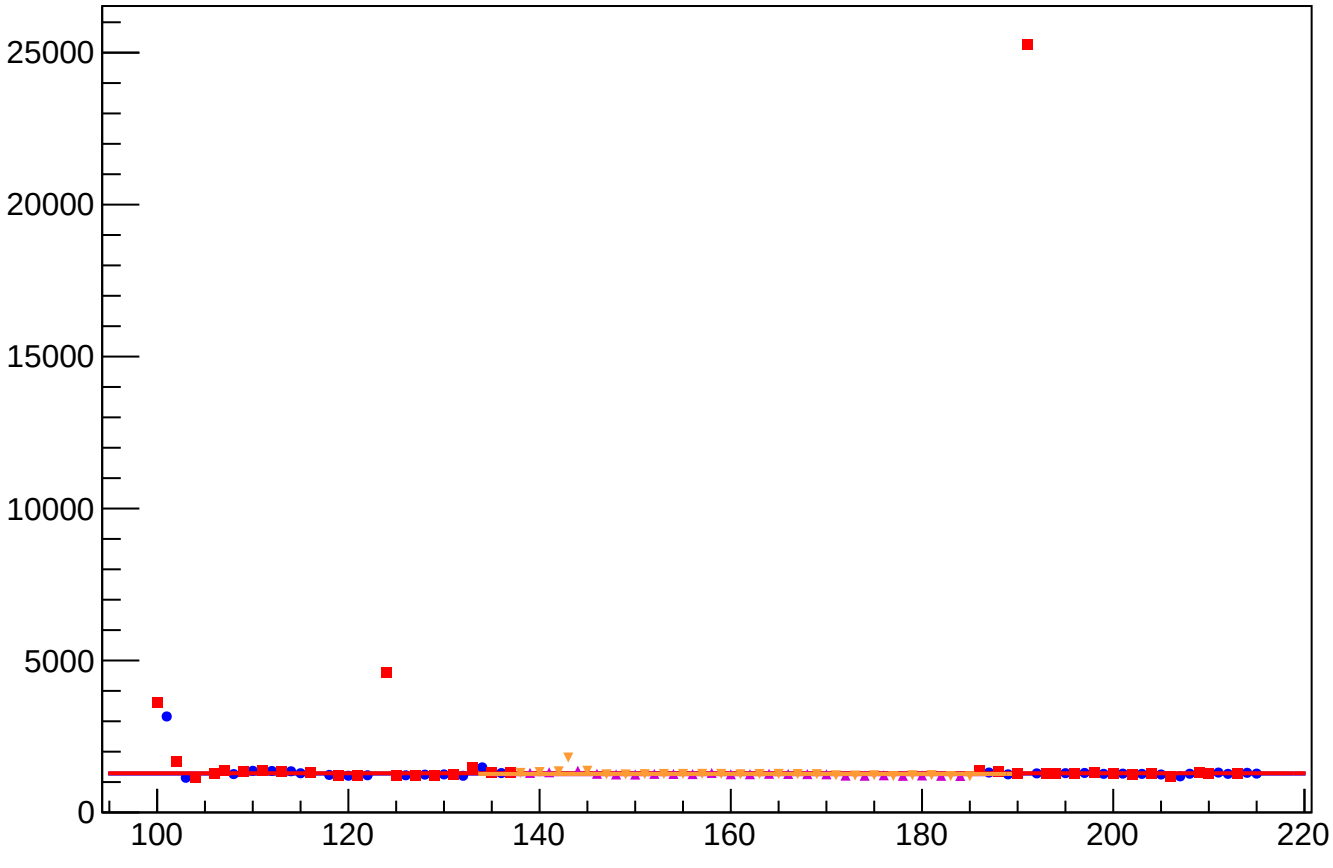
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -240.700+/-209.968 χ^2/NDF: 57.0/64

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -112.072+/-146.987 χ^2/NDF: 124.7/112



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

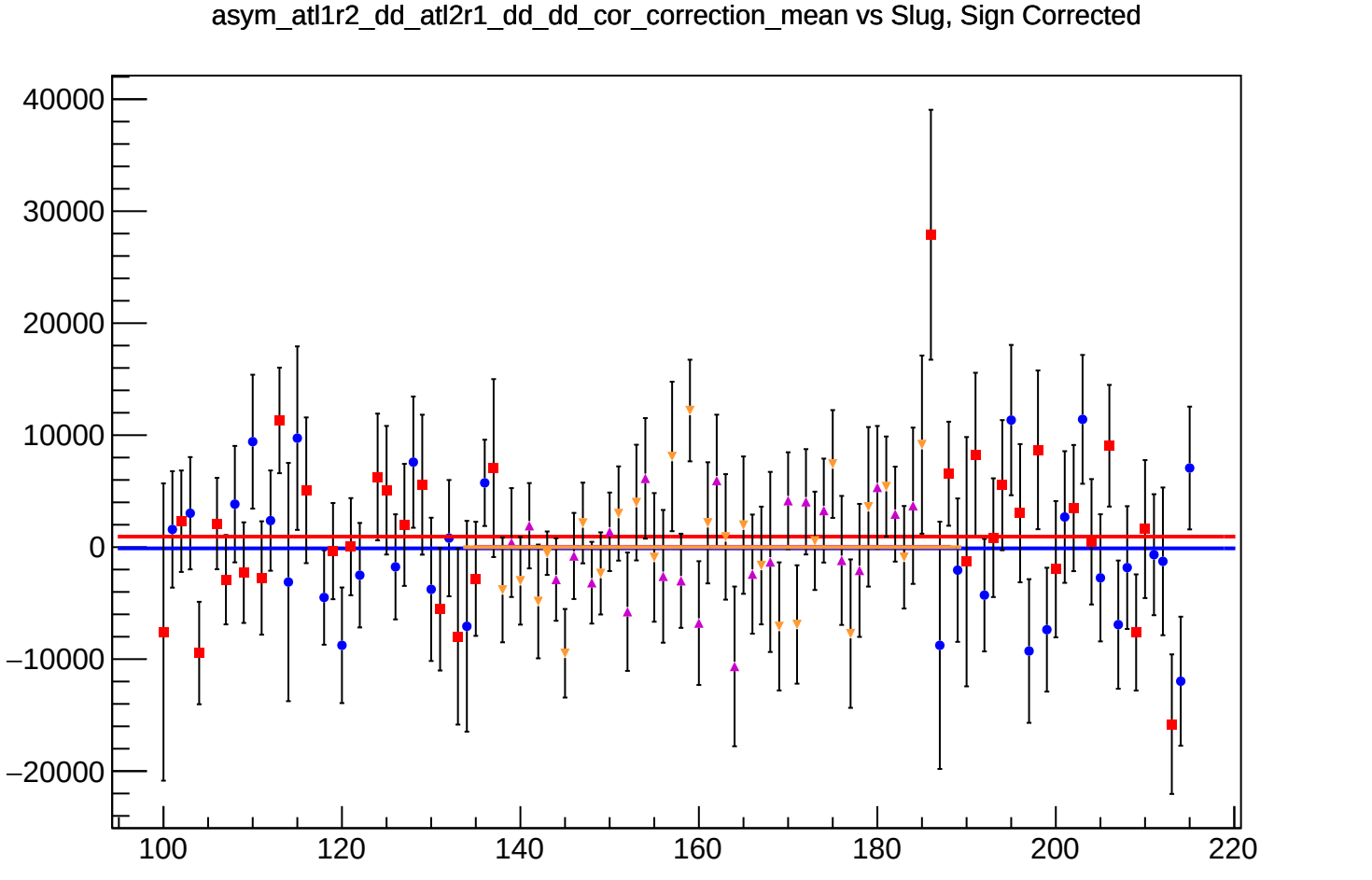
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1284.154+/-0.148 χ^2/NDF: 1021299.4/64

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1273.036+/-0.104 χ^2/NDF: 1257714.3/11



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

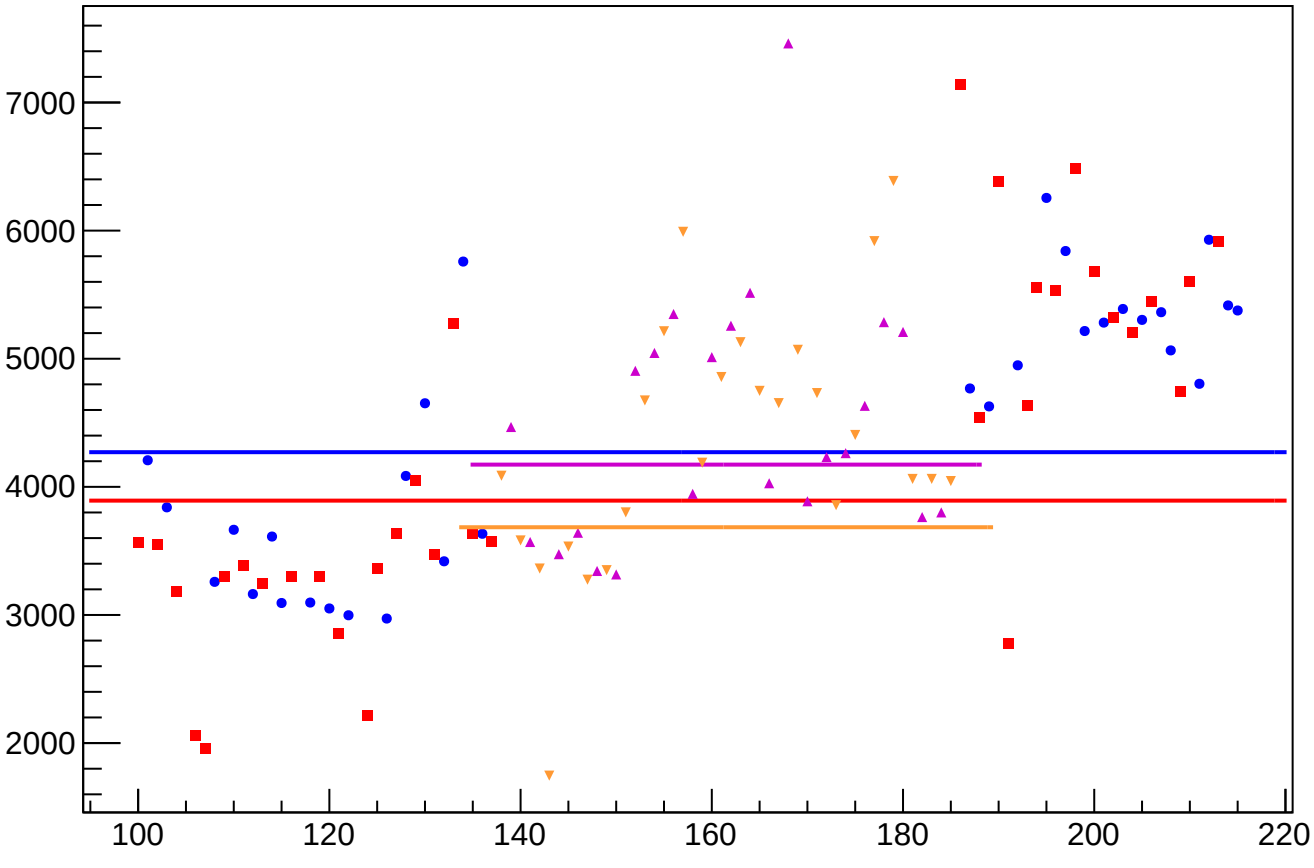
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 447.028+/-687.402 χ^2/NDF: 77.1/64

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 222.195+/-476.830 χ^2/NDF: 120.4/112


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected
7000
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2000
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120
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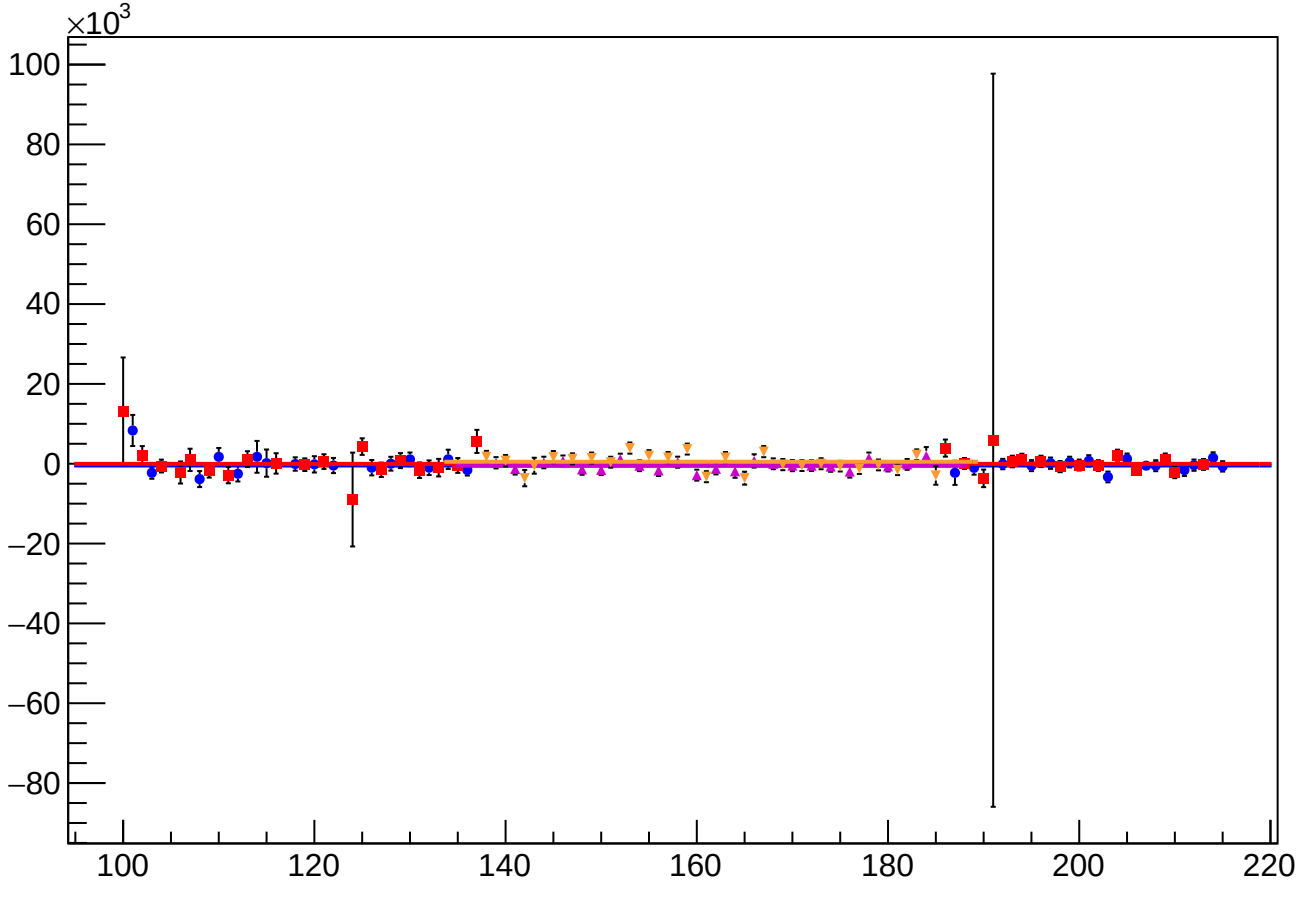
160
180
200
220
Right In: 4270.610+/-0.709 χ²/NDF: 2040584.0/30
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3892.503+/-0.668 χ²/NDF: 3438125.0/33
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 4070.411+/-0.486 χ²/NDF: 5629462.5/64
In: 4221.751+/-0.499 χ²/NDF:3324995.9/53
Out: 3782.036+/-0.457 χ²/NDF:7183241.0/58
All: 3982.504+/-0.337 χ²/NDF: 10930120.4/1



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -32.367+/-300.785 χ^2/NDF: 31.6/33

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

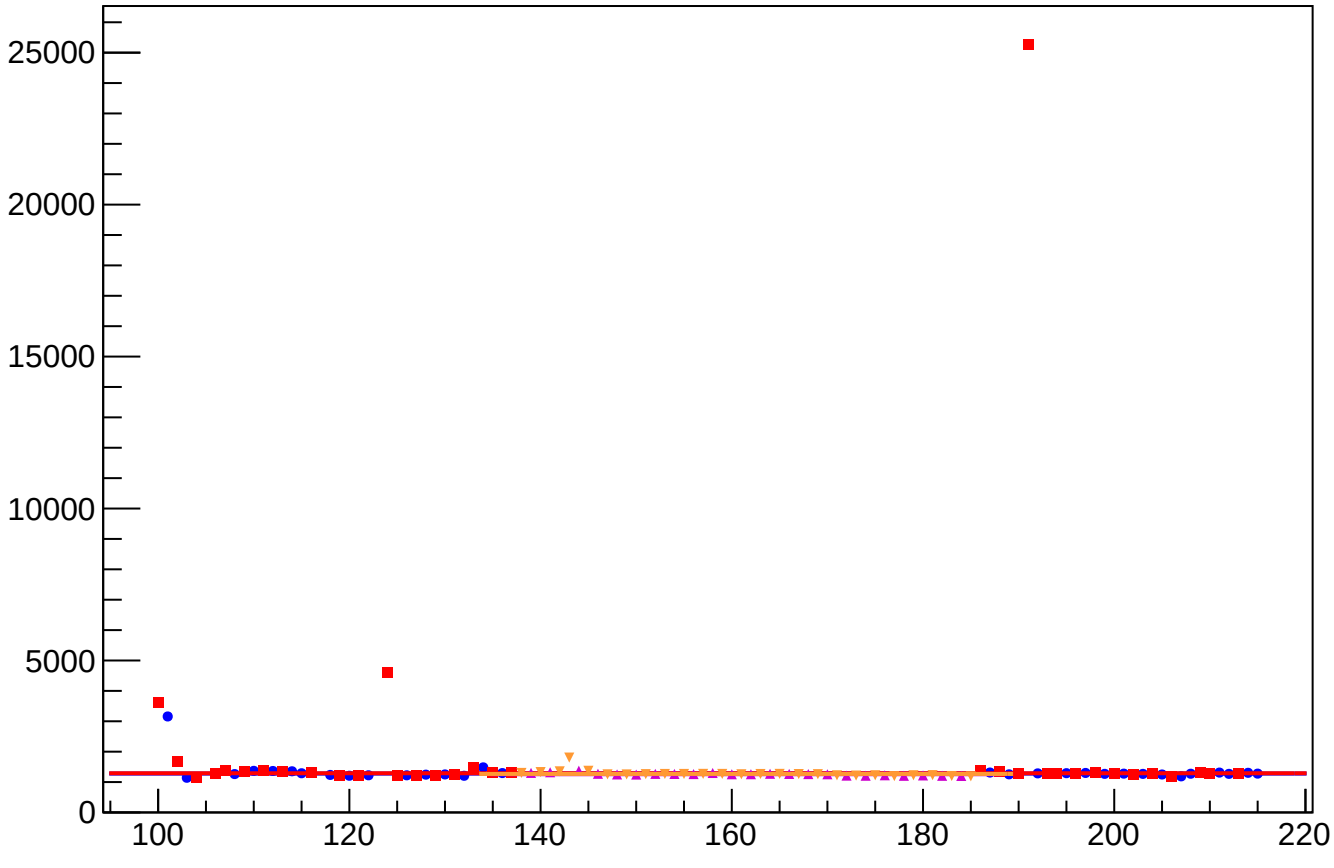
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -240.700+/-209.968 χ^2/NDF: 57.0/64

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 240.789+/-208.206 χ^2/NDF:80.1/58

All: -112.072+/-146.987 χ^2/NDF: 124.7/112



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

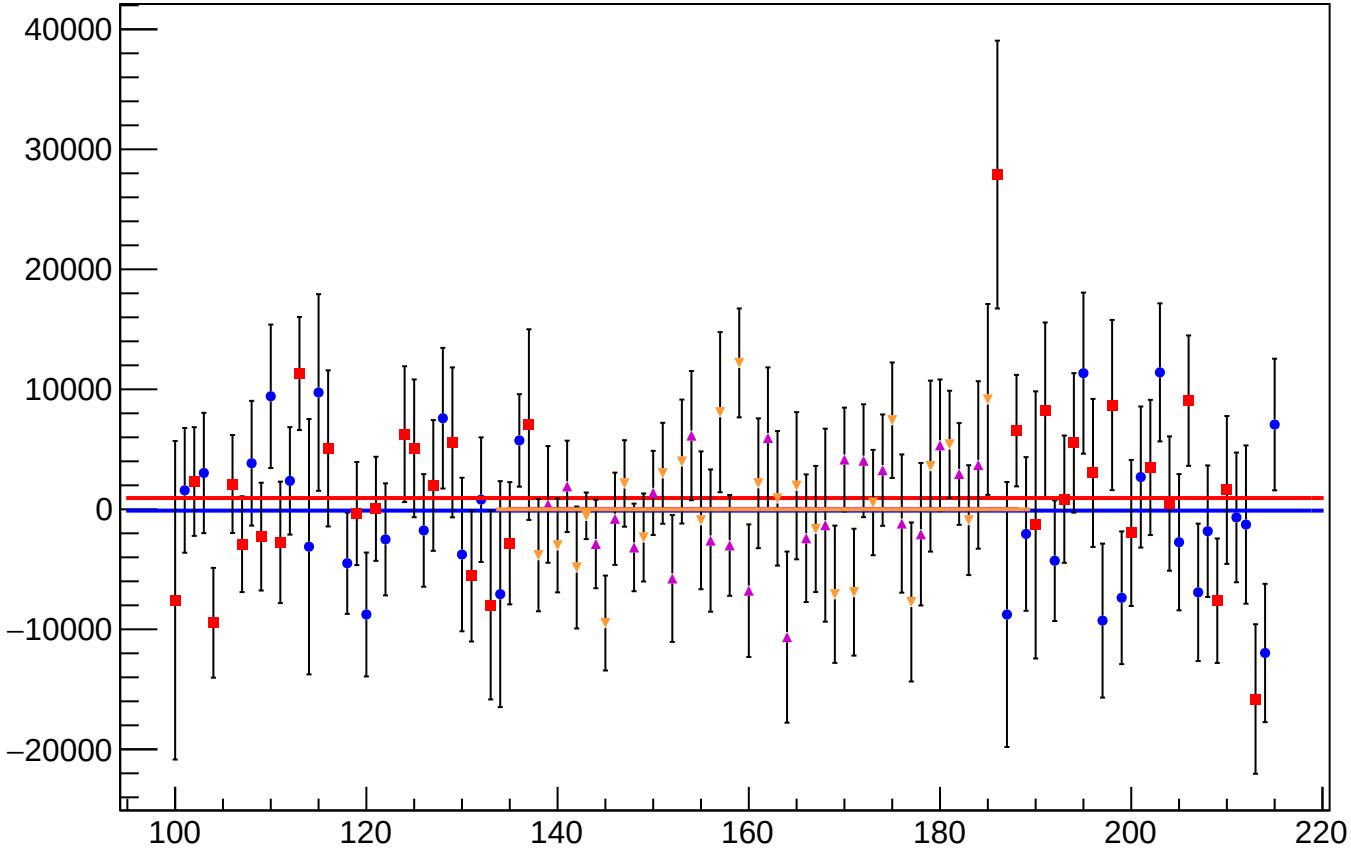
Right: 1284.154+/-0.148 χ^2/NDF: 1021299.4/64

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.971+/-0.147 χ^2/NDF:683236.8/58

All: 1273.036+/-0.104 χ^2/NDF: 1257714.3/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

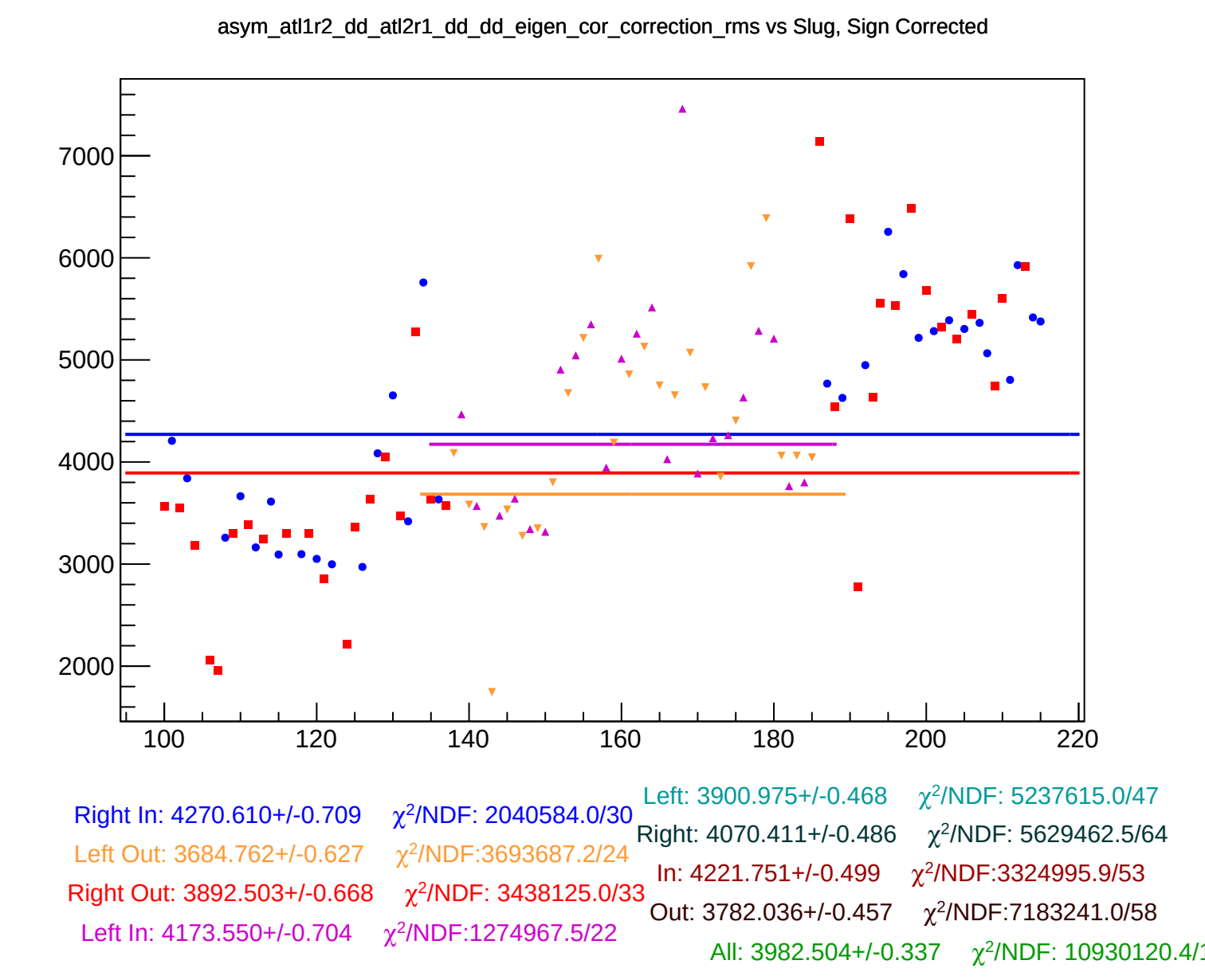
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 447.028+/-687.402 χ^2/NDF: 77.1/64

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 439.977+/-646.437 χ^2/NDF:71.4/58

All: 222.195+/-476.830 χ^2/NDF: 120.4/112


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
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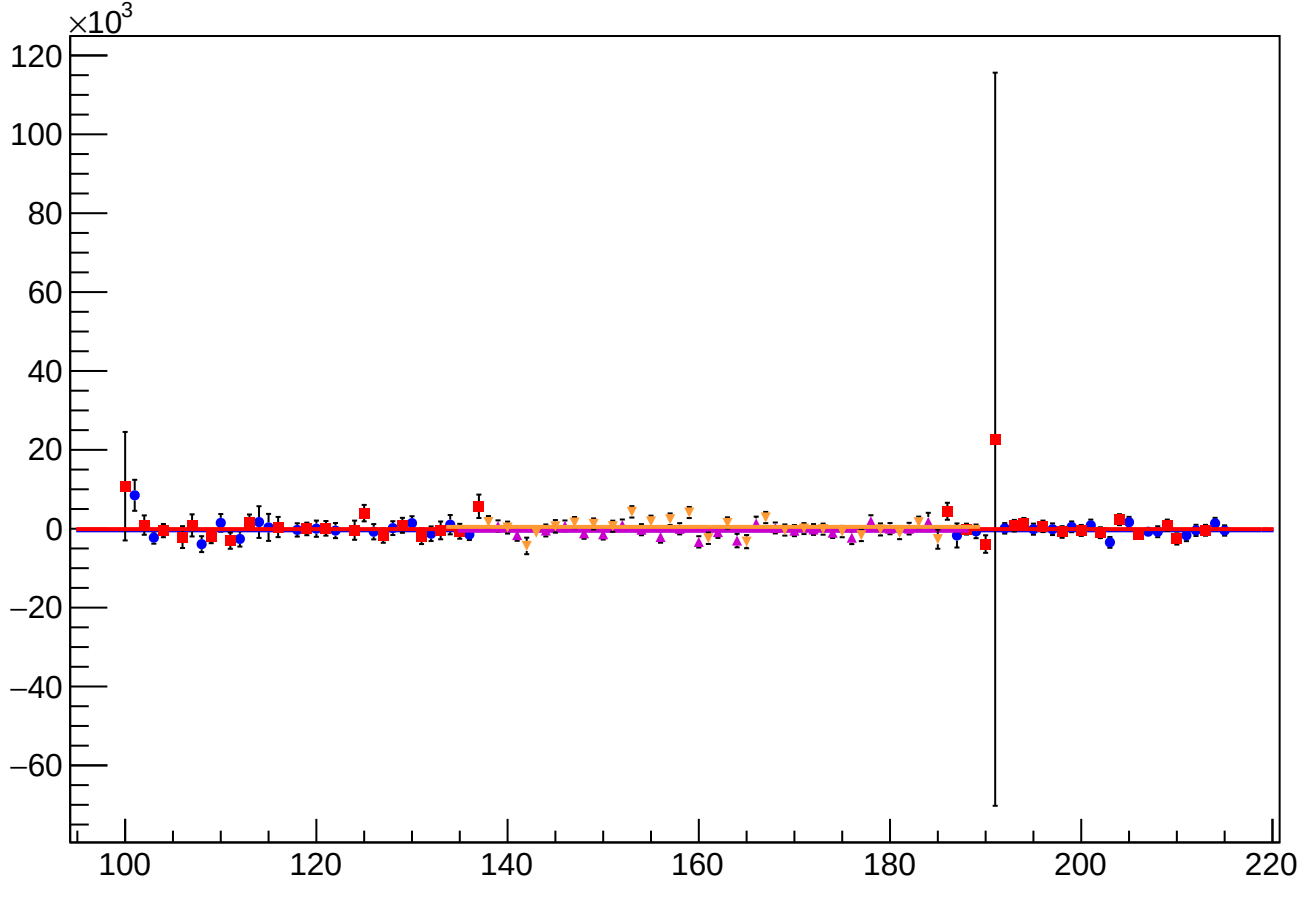
100
120
140
160
180
200
220
Right In: 4270.610+/-0.709 χ²/NDF: 2040584.0/30
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3892.503+/-0.668 χ²/NDF: 3438125.0/33
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 4070.411+/-0.486 χ²/NDF: 5629462.5/64
In: 4221.751+/-0.499 χ²/NDF:3324995.9/53
Out: 3782.036+/-0.457 χ²/NDF:7183241.0/58
All: 3982.504+/-0.337 χ²/NDF: 10930120.4/1



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -94.184+/-303.071 χ^2/NDF: 32.7/33

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

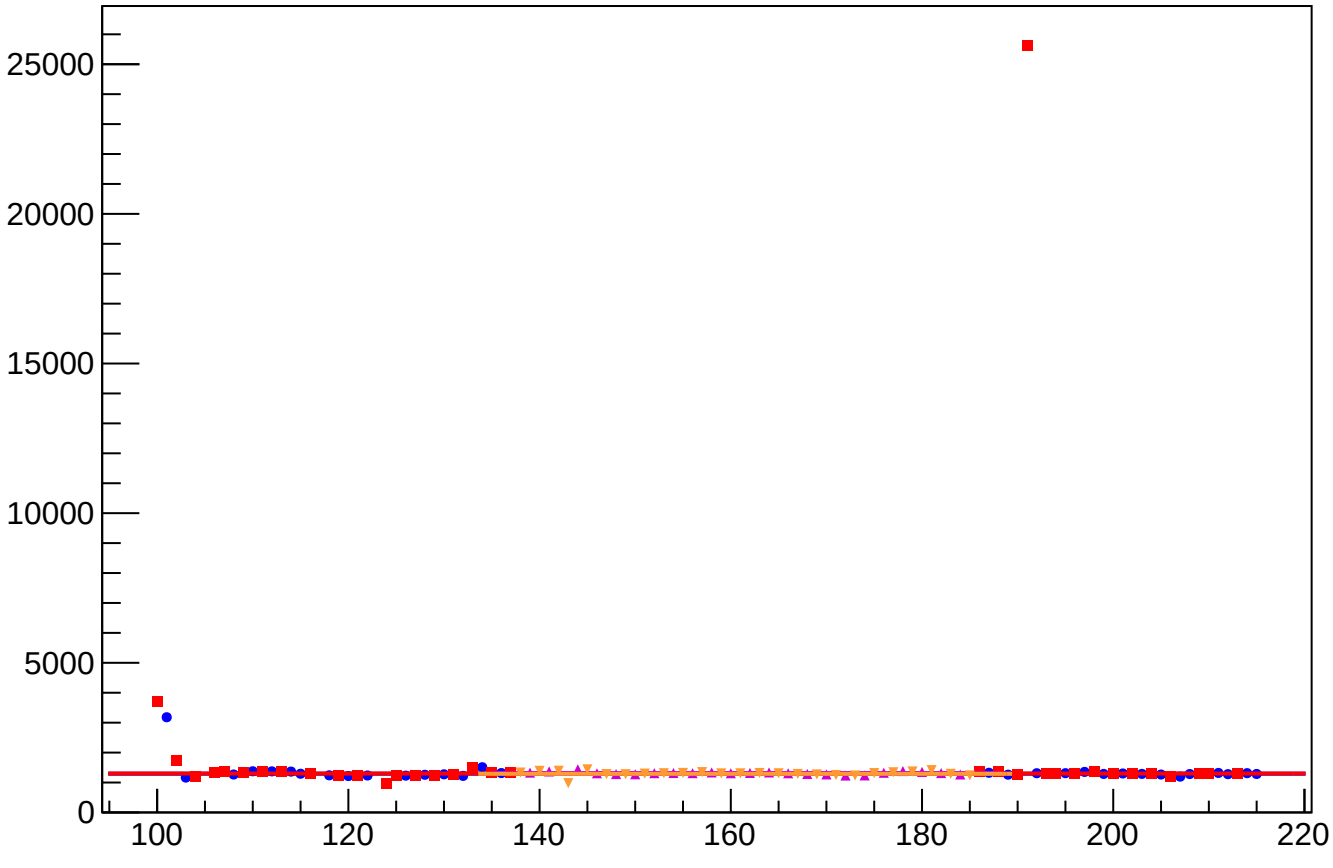
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -251.929+/-212.111 χ^2/NDF: 58.9/64

In: -451.795+/-213.463 χ^2/NDF:43.1/53

Out: 195.165+/-211.118 χ^2/NDF:78.6/58

All: -124.742+/-150.105 χ^2/NDF: 126.4/112



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.2/30

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.970+/-0.214 χ^2/NDF: 378349.9/33

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

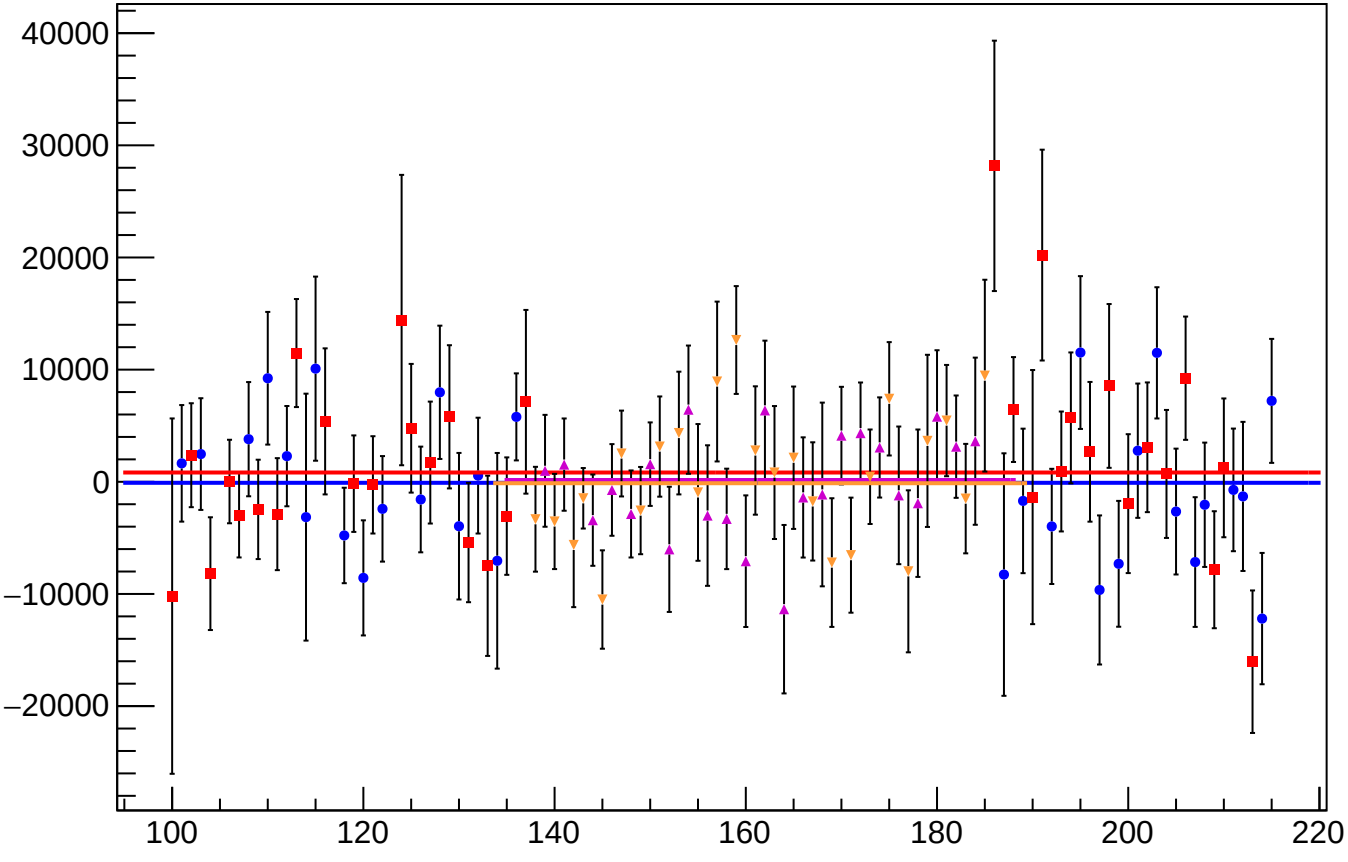
Right: 1297.822+/-0.150 χ^2/NDF: 908982.5/64

In: 1304.080+/-0.151 χ^2/NDF:577298.1/53

Out: 1295.948+/-0.149 χ^2/NDF:610152.9/58

All: 1299.969+/-0.106 χ^2/NDF: 1188918.8/11

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -89.752+/-1008.403 χ^2/NDF: 34.5/30

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 828.107+/-960.639 χ^2/NDF: 43.4/33

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

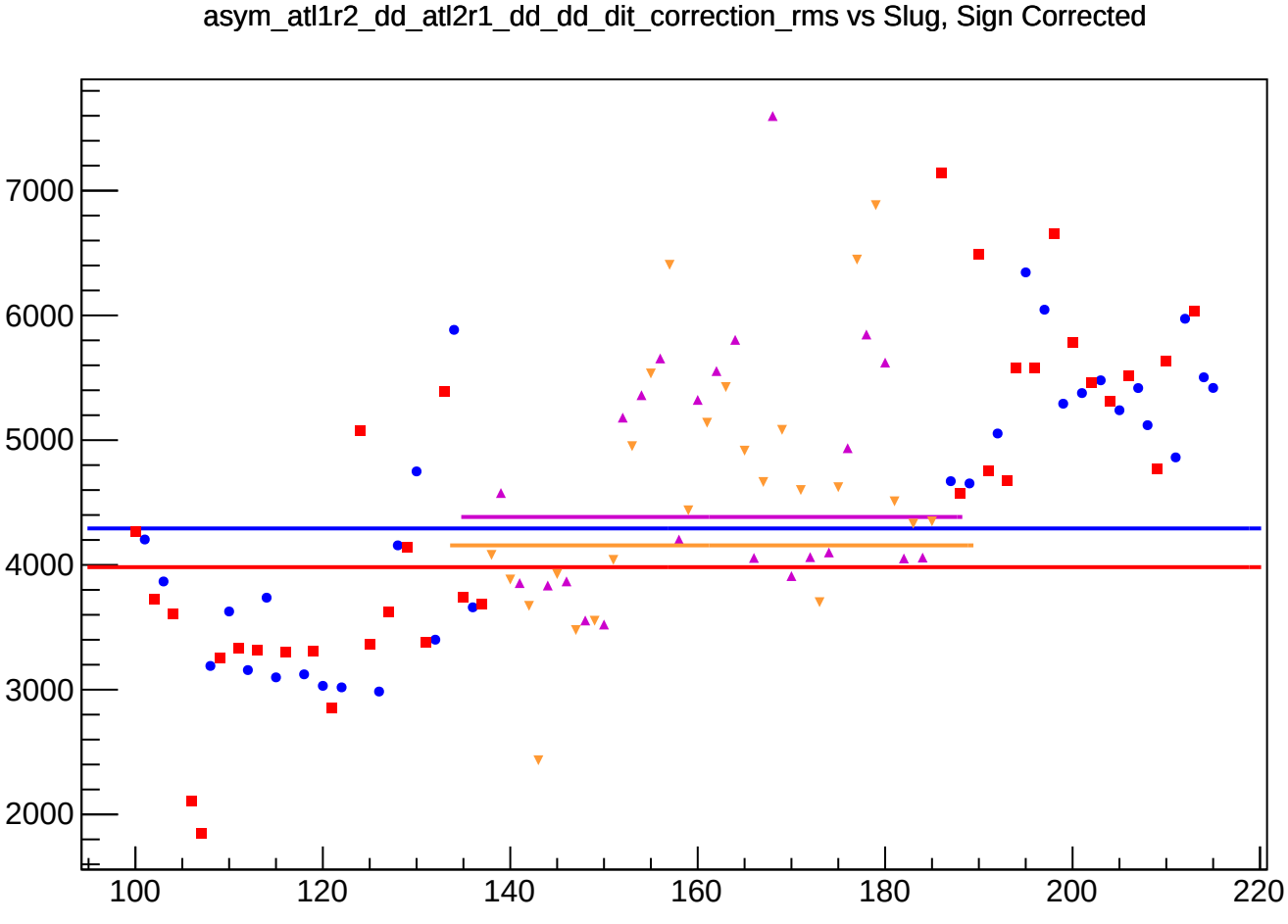
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 391.430+/-695.547 χ^2/NDF: 78.4/64

In: 30.350+/-725.812 χ^2/NDF:48.4/53

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 203.945+/-498.197 χ^2/NDF: 120.9/112



Right In: 4292.473+/-0.713 χ^2/NDF: 2142067.4/30

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3982.098+/-0.679 χ^2/NDF: 3484602.3/33

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

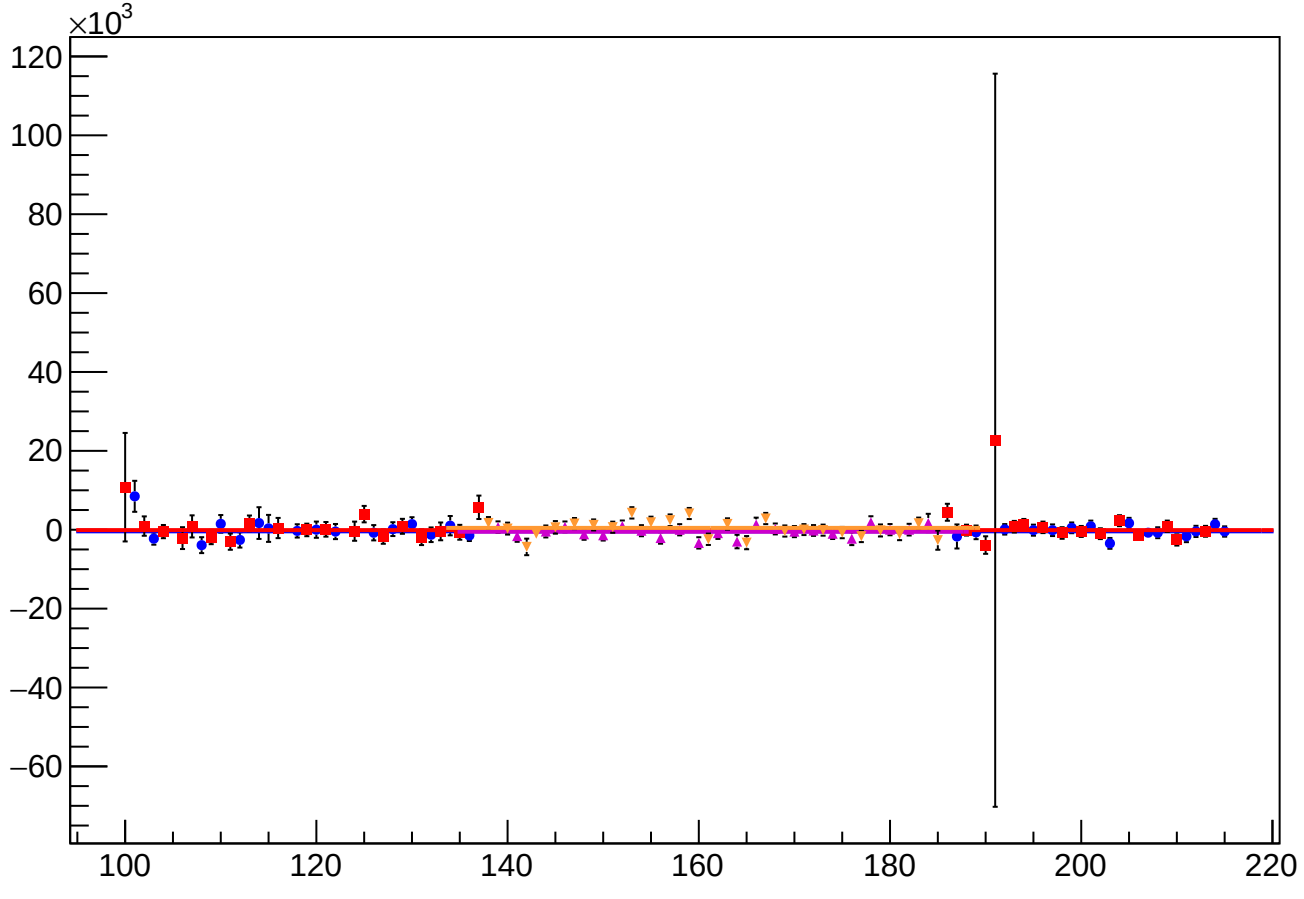
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4129.761+/-0.492 χ^2/NDF: 5725996.7/64

In: 4336.739+/-0.513 χ^2/NDF:3405534.8/53

Out: 4067.846+/-0.484 χ^2/NDF:5597793.9/58

All: 4194.533+/-0.352 χ^2/NDF: 9148499.1/11



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -94.185+/-303.071 χ^2/NDF: 32.7/33

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

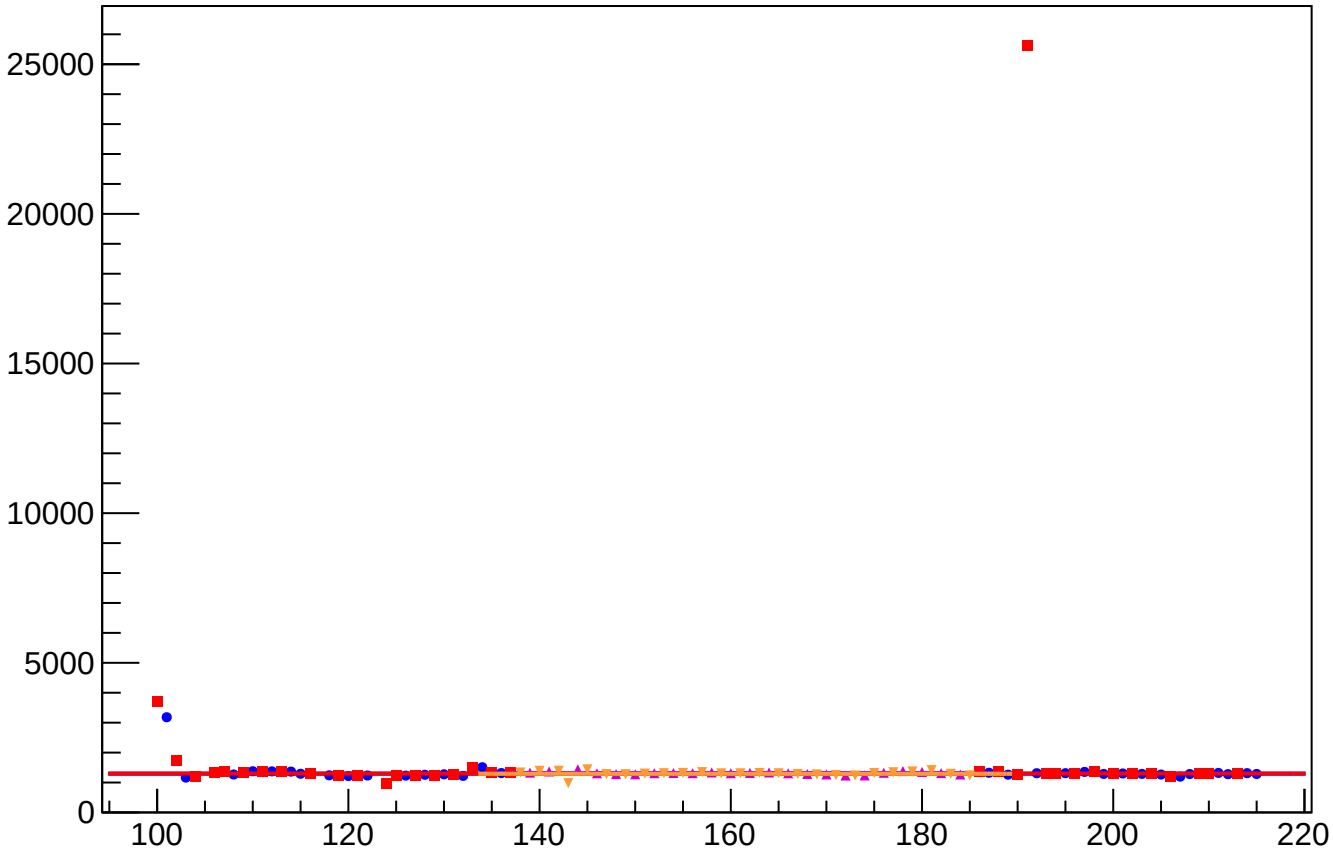
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -251.929+/-212.111 χ^2/NDF: 58.9/64

In: -451.794+/-213.463 χ^2/NDF:43.1/53

Out: 195.166+/-211.118 χ^2/NDF:78.6/58

All: -124.742+/-150.105 χ^2/NDF: 126.4/112



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.3/30

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.970+/-0.214 χ^2/NDF: 378350.0/33

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

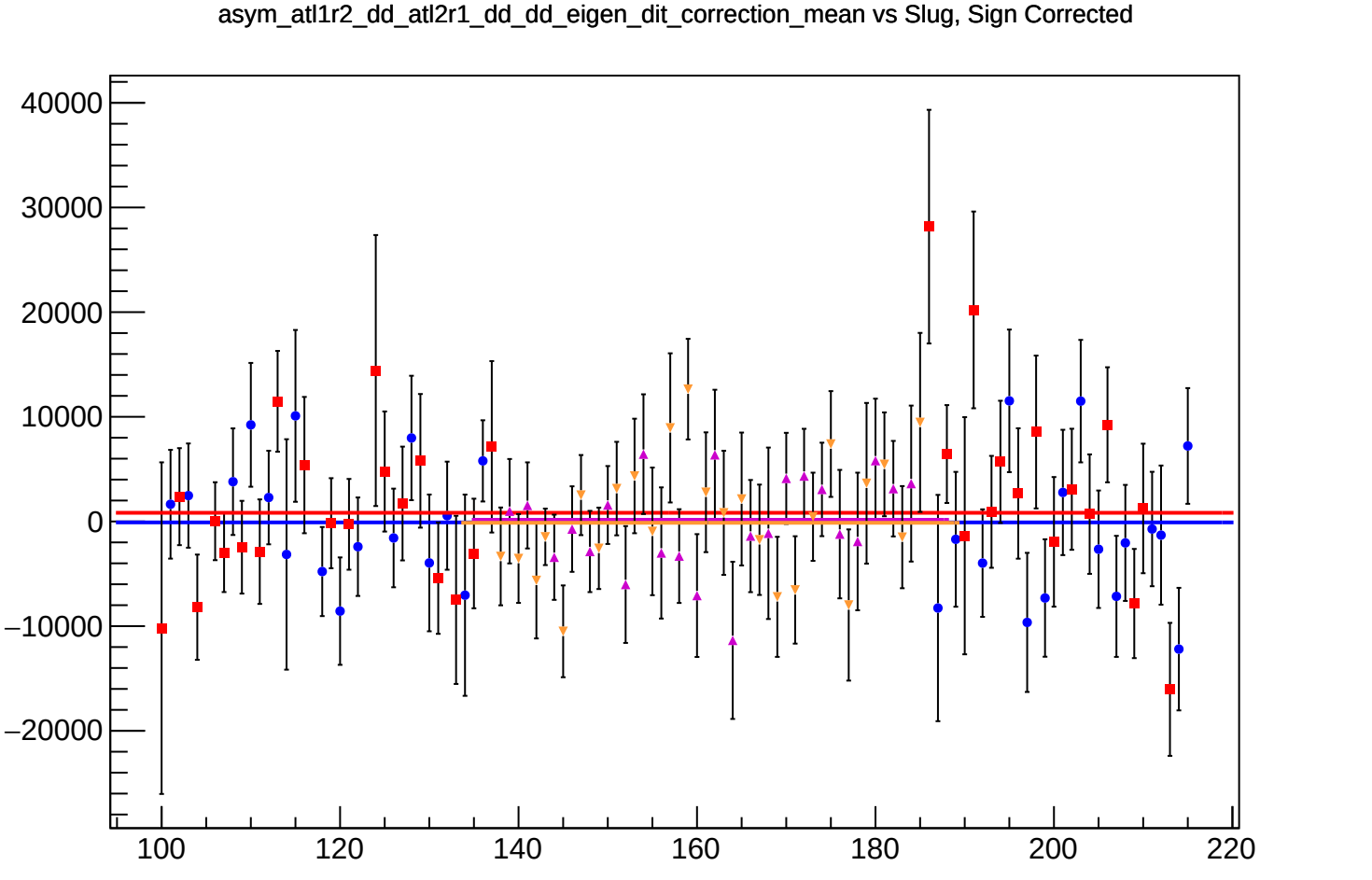
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.822+/-0.150 χ^2/NDF: 908982.8/64

In: 1304.081+/-0.151 χ^2/NDF:577300.9/53

Out: 1295.949+/-0.149 χ^2/NDF:610155.3/58

All: 1299.969+/-0.106 χ^2/NDF: 1188923.9/11



Right In: -89.755+/-1008.402 χ^2/NDF: 34.5/30

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 828.101+/-960.638 χ^2/NDF: 43.4/33

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

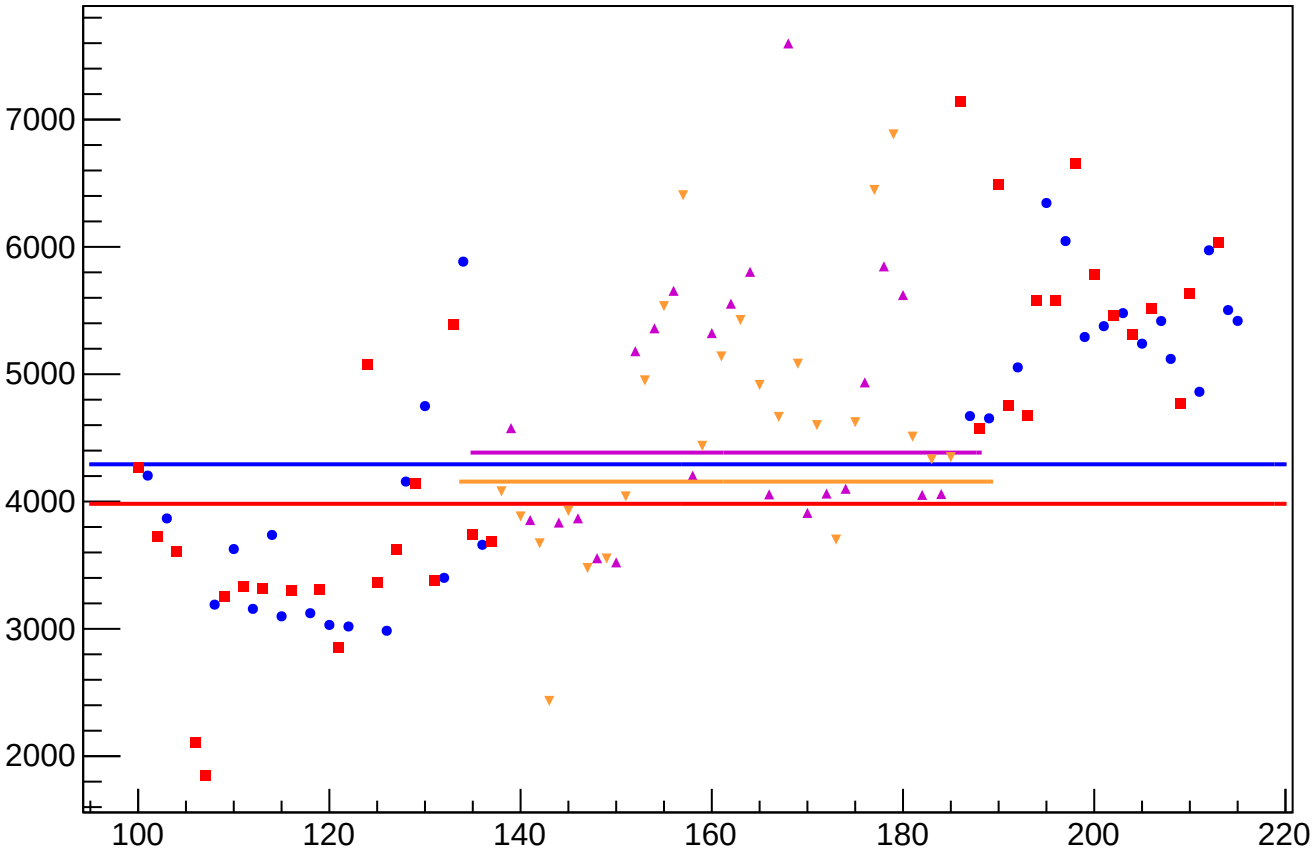
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 391.425+/-695.547 χ^2/NDF: 78.4/64

In: 30.348+/-725.813 χ^2/NDF:48.4/53

Out: 358.596+/-685.065 χ^2/NDF:72.5/58

All: 203.944+/-498.197 χ^2/NDF: 120.9/112



Right In: 4292.468+/-0.713 χ^2/NDF: 2142105.7/30

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3982.092+/-0.679 χ^2/NDF: 3484636.6/33

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

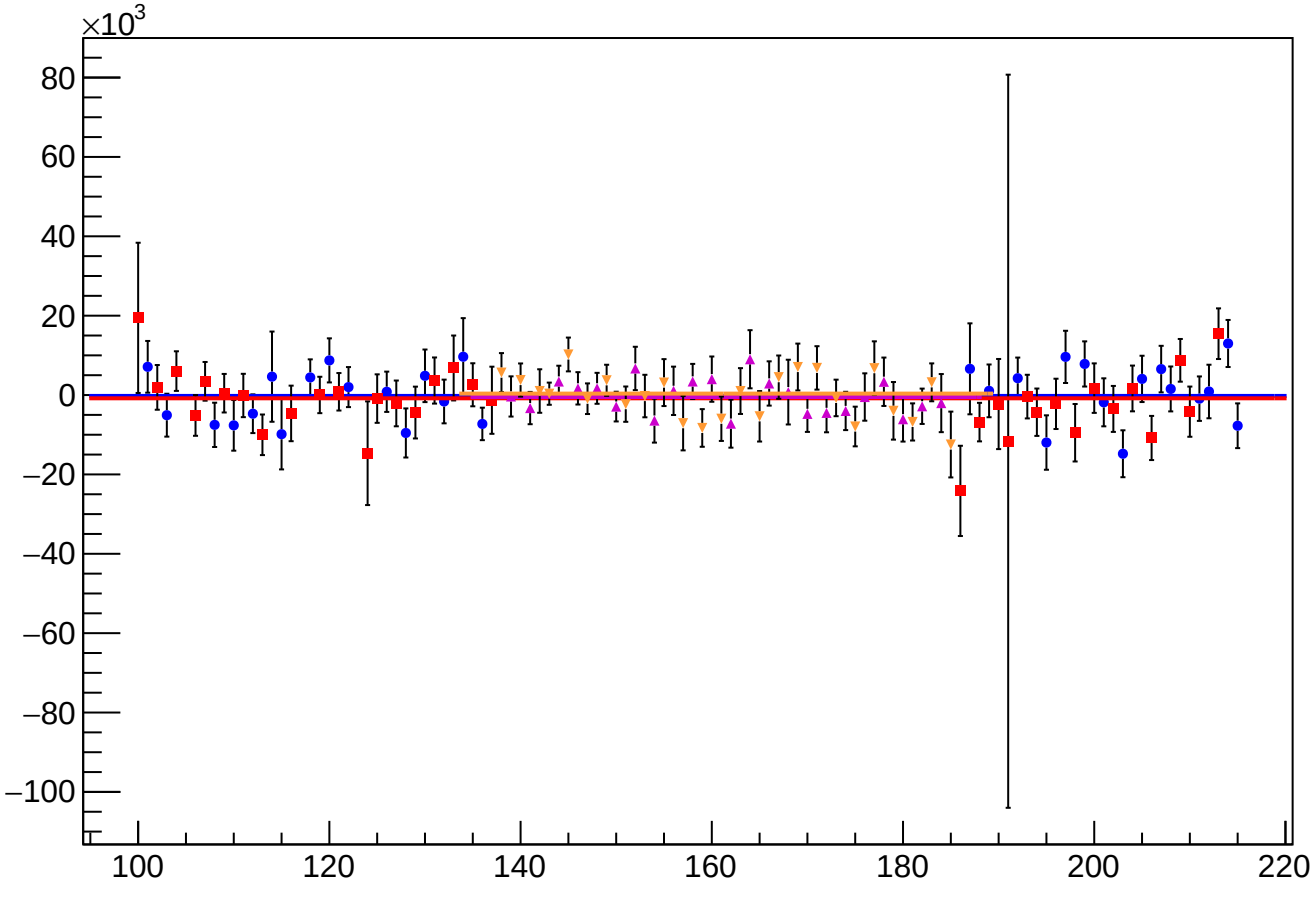
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4129.756+/-0.492 χ^2/NDF: 5726070.3/64

In: 4336.740+/-0.513 χ^2/NDF:3405579.4/53

Out: 4067.846+/-0.484 χ^2/NDF:5597835.7/58

All: 4194.533+/-0.352 χ^2/NDF: 9148586.2/11



Right In: -220.989+/-1060.049 χ^2/NDF: 41.4/30

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -822.015+/-1039.558 χ^2/NDF: 33.2/33

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

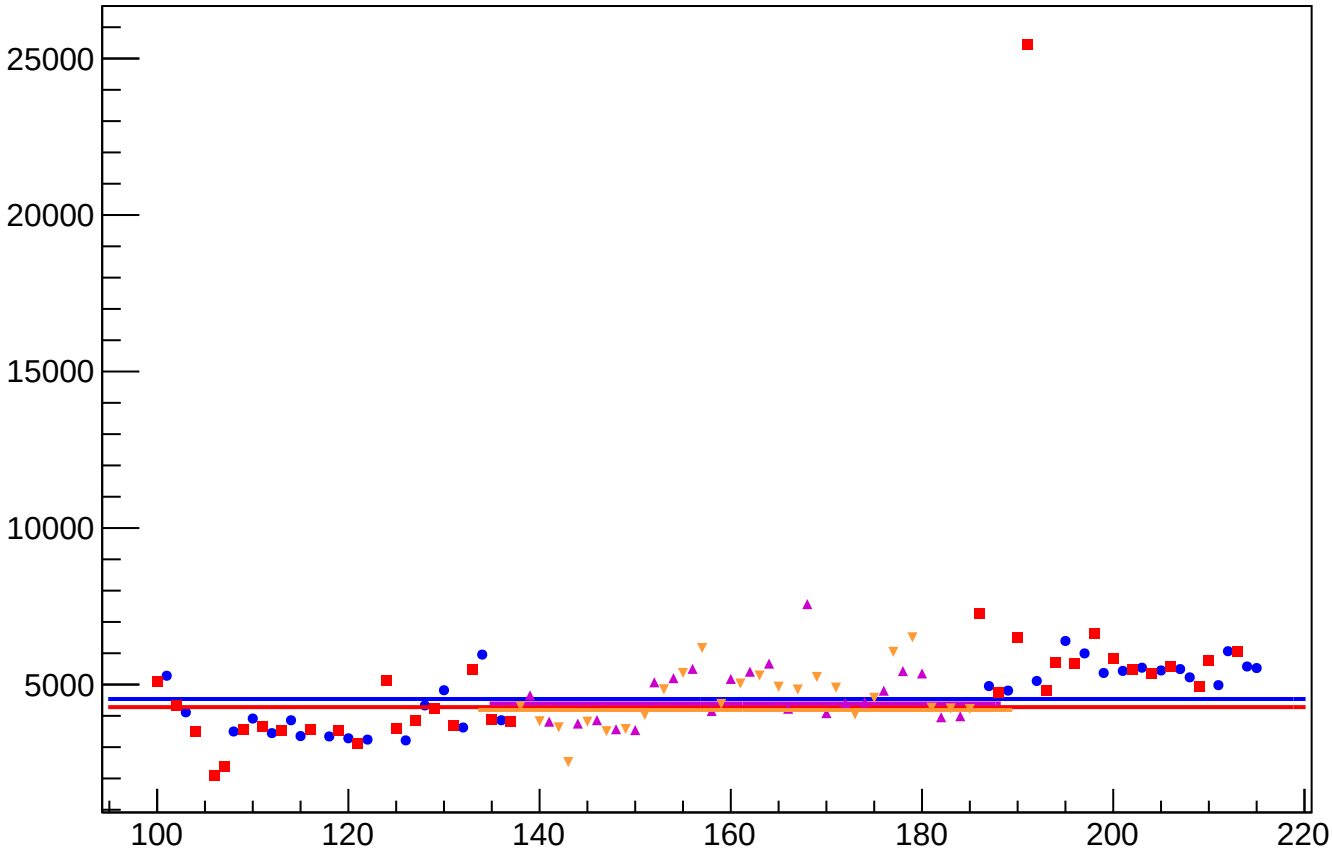
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -527.367+/-742.217 χ^2/NDF: 74.7/64

In: -361.271+/-744.084 χ^2/NDF:55.3/53

Out: -194.756+/-713.037 χ^2/NDF:61.6/58

All: -274.467+/-514.819 χ^2/NDF: 116.9/112



Right In: 4538.146+/-0.750 χ^2/NDF: 1724125.7/30

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4278.738+/-0.729 χ^2/NDF: 2771161.8/33

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

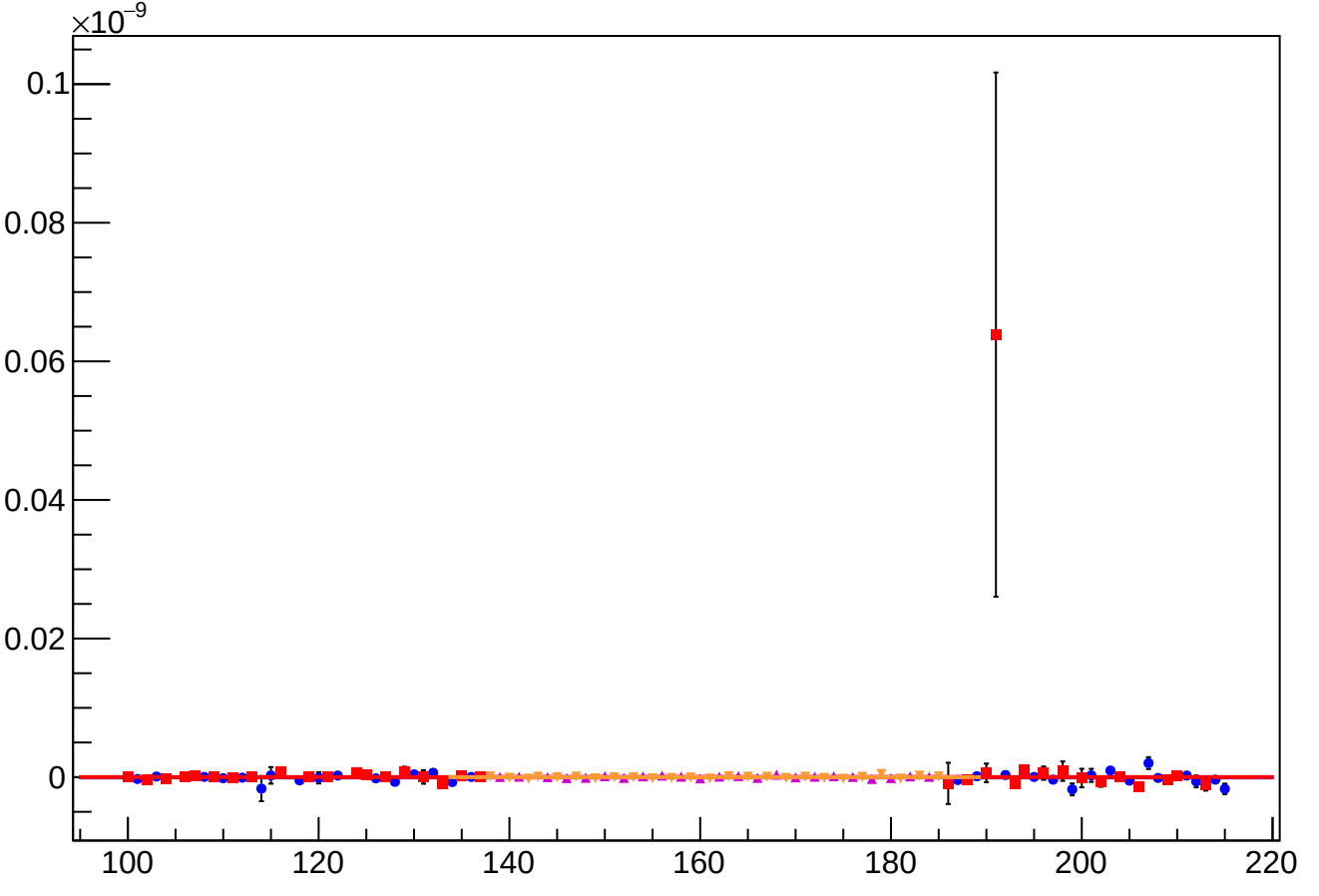
Right: 4404.828+/-0.523 χ^2/NDF: 4556841.4/64

In: 4465.187+/-0.526 χ^2/NDF:2831196.7/53

Out: 4230.987+/-0.502 χ^2/NDF:4575675.1/58

All: 4342.638+/-0.363 χ^2/NDF: 7510549.5/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/33

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

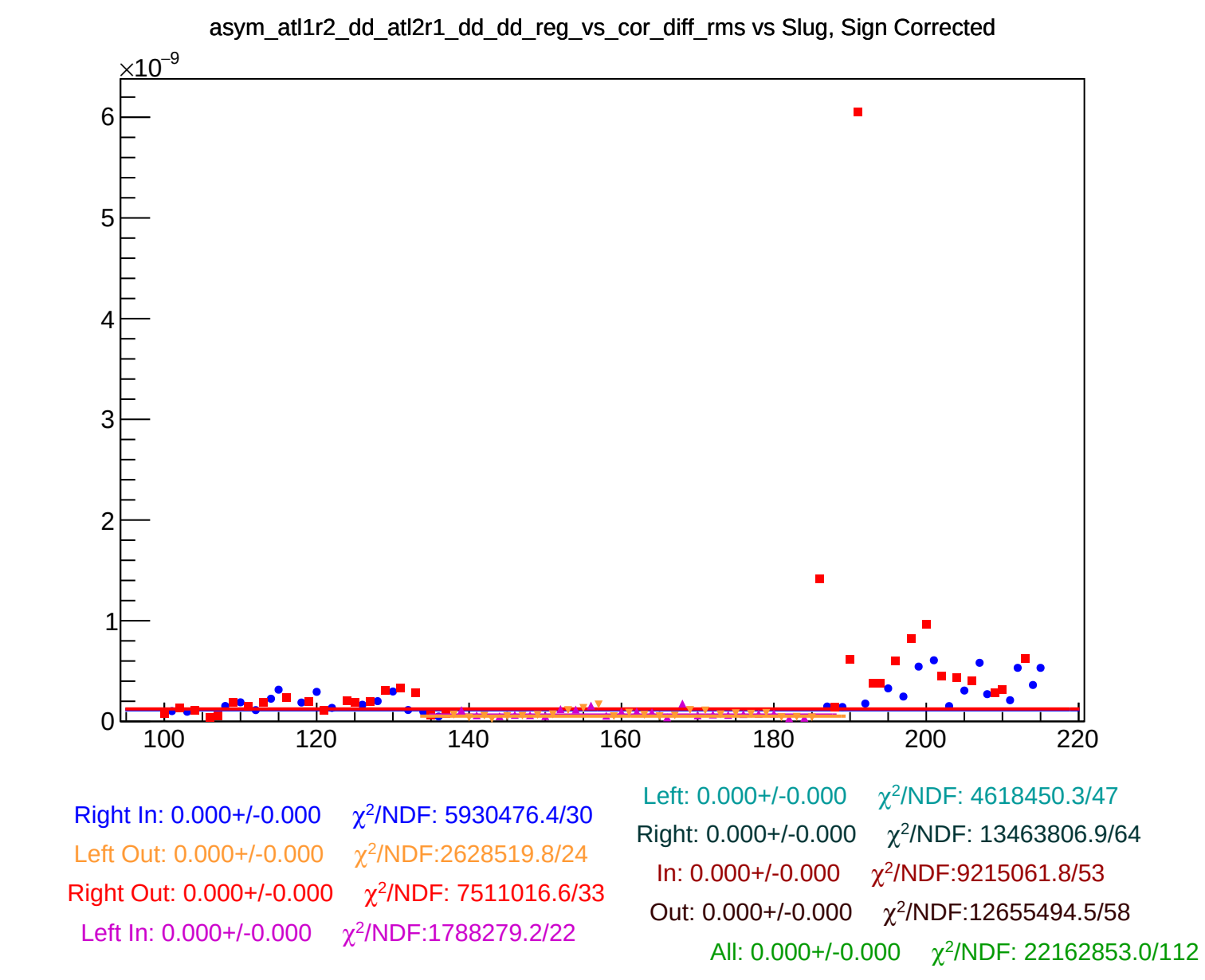
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 76.0/64

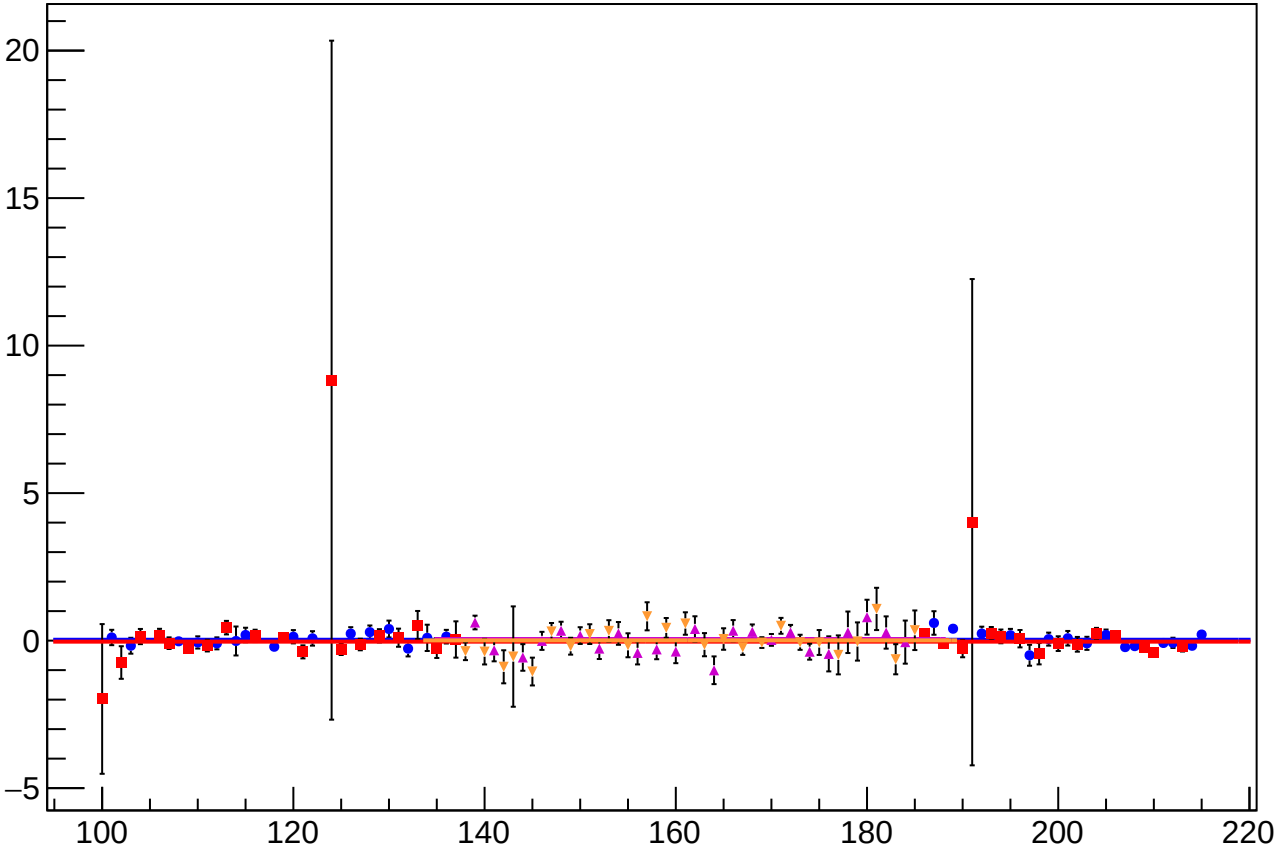
In: 0.000+/-0.000 χ^2/NDF:58.2/53

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: 0.000+/-0.000 χ^2/NDF: 124.2/112


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: 5930476.4/30
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 7511016.6/33
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 13463806.9/64
In: 0.000+/-0.000 χ²/NDF:9215061.8/53
Out: 0.000+/-0.000 χ²/NDF:12655494.5/58
All: 0.000+/-0.000 χ²/NDF: 22162853.0/112

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

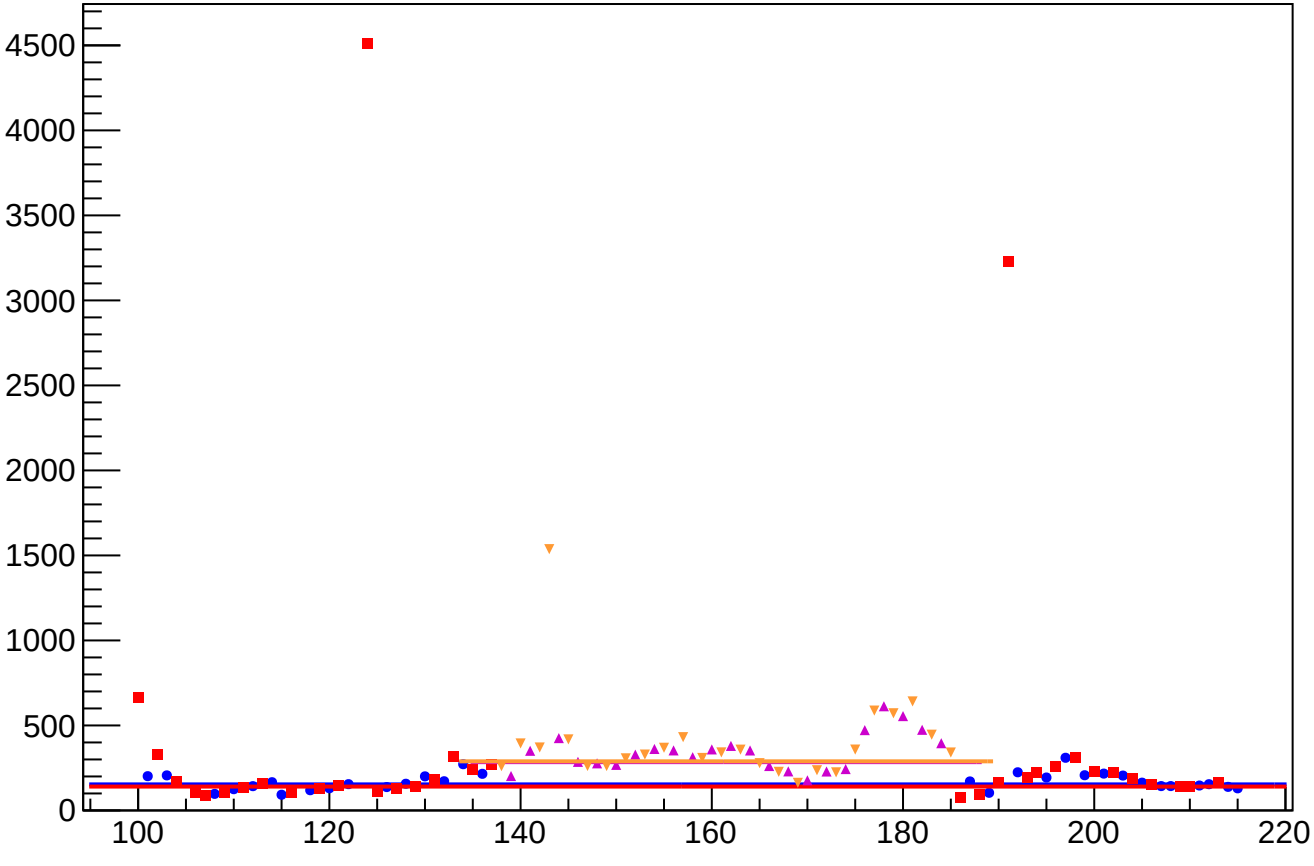
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

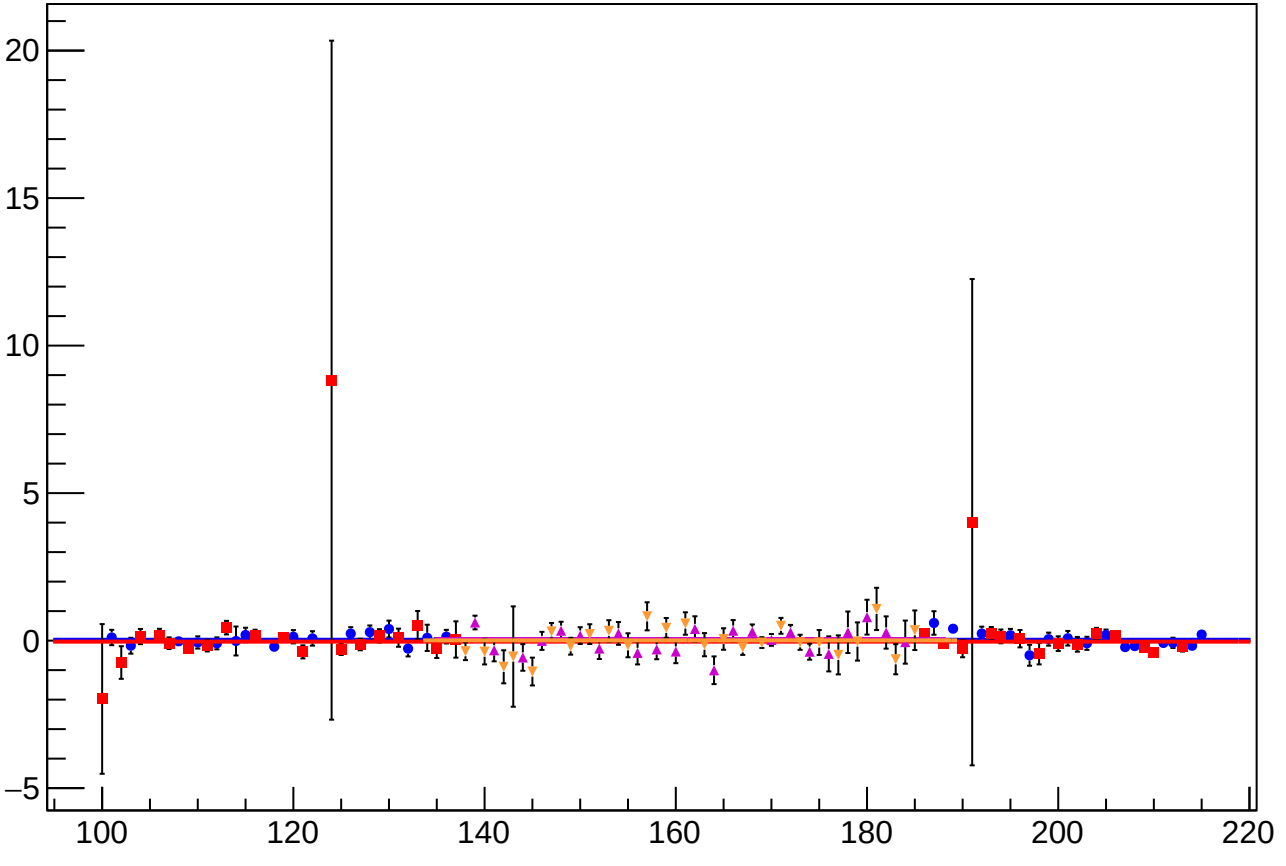
Right: 146.706+/-0.018 χ^2/NDF: 7194374.3/64

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 175.841+/-0.016 χ^2/NDF: 27305470.3/12

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

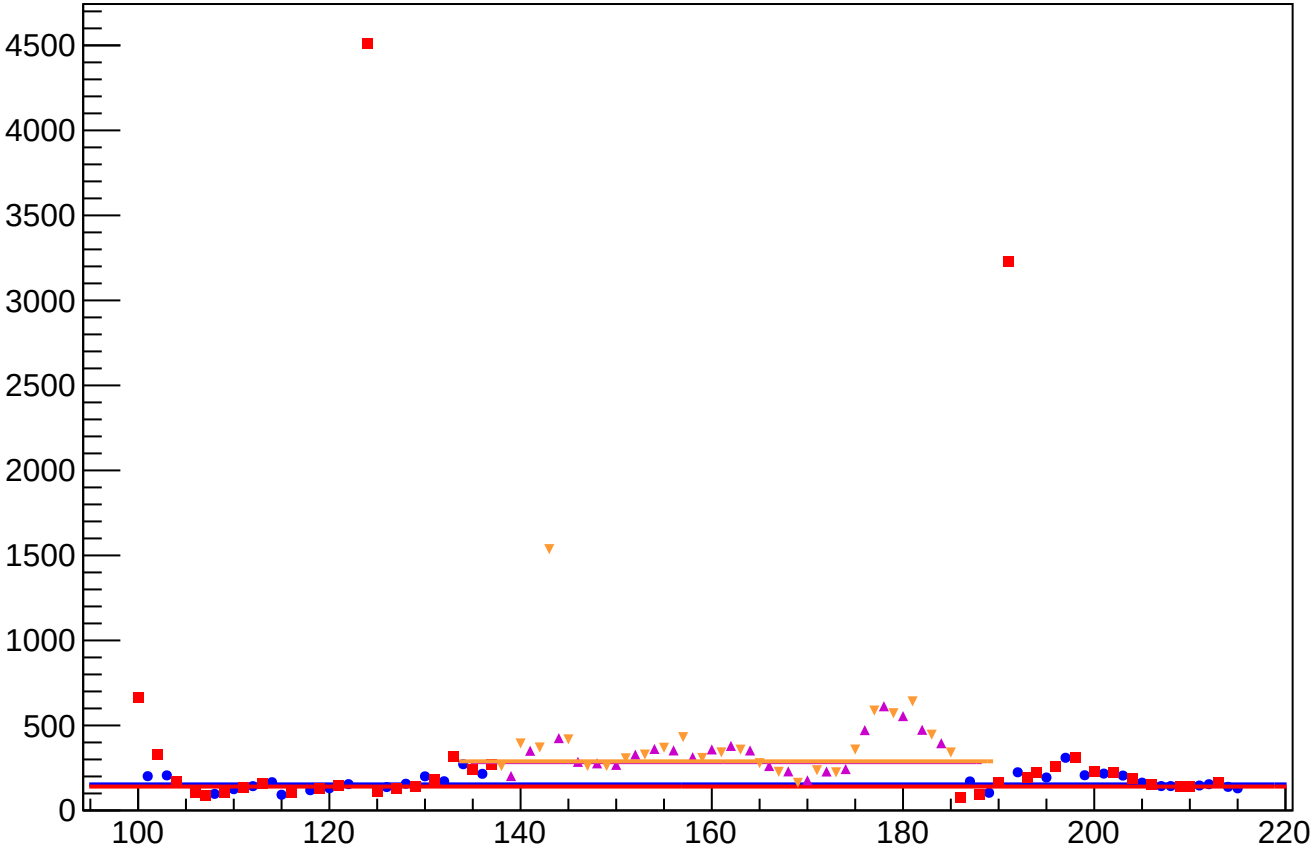
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

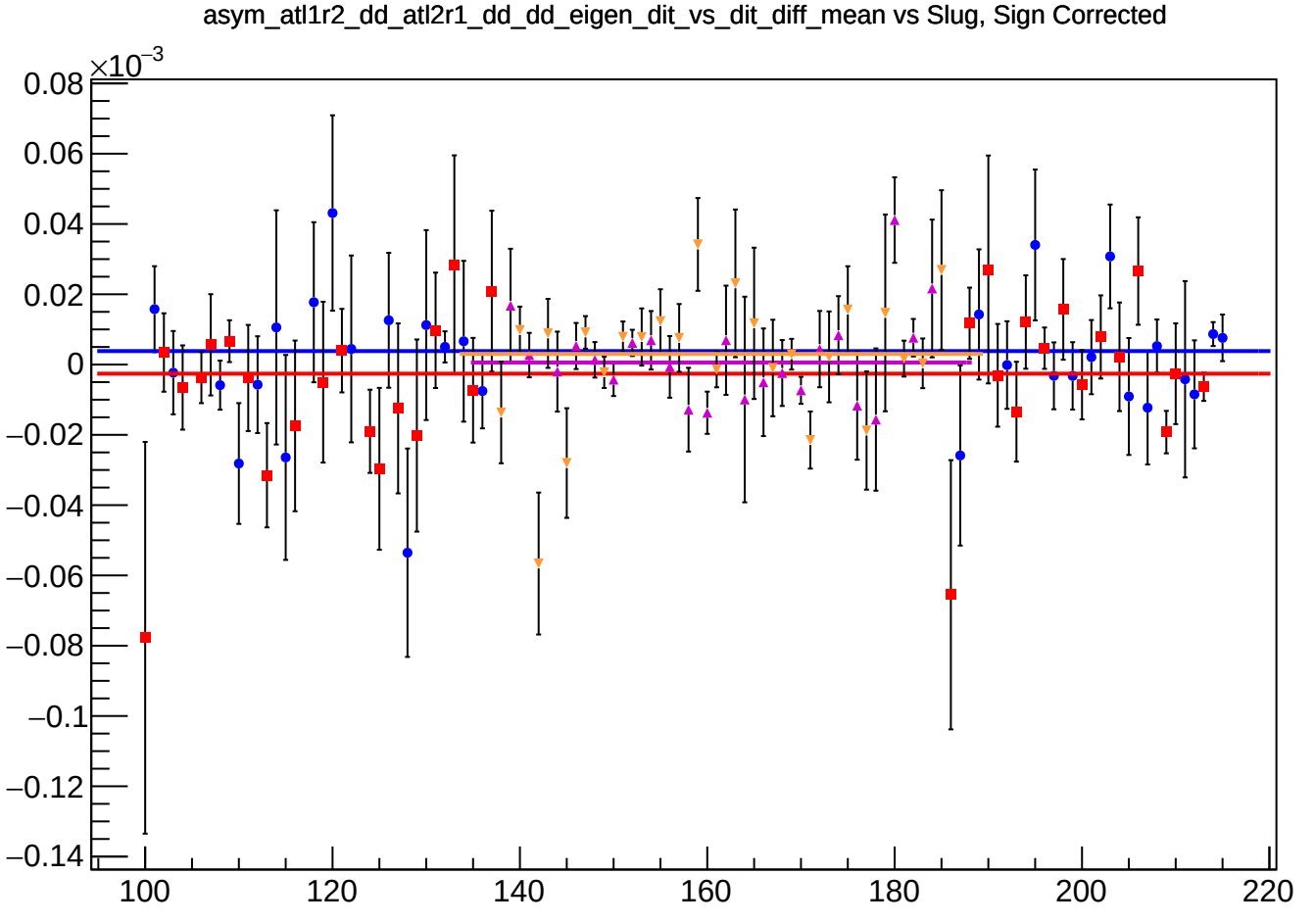
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 146.706+/-0.018 χ^2/NDF: 7194374.3/64

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 170.517+/-0.023 χ^2/NDF:16338060.9/58

All: 175.841+/-0.016 χ^2/NDF: 27305470.3/1



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/33

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

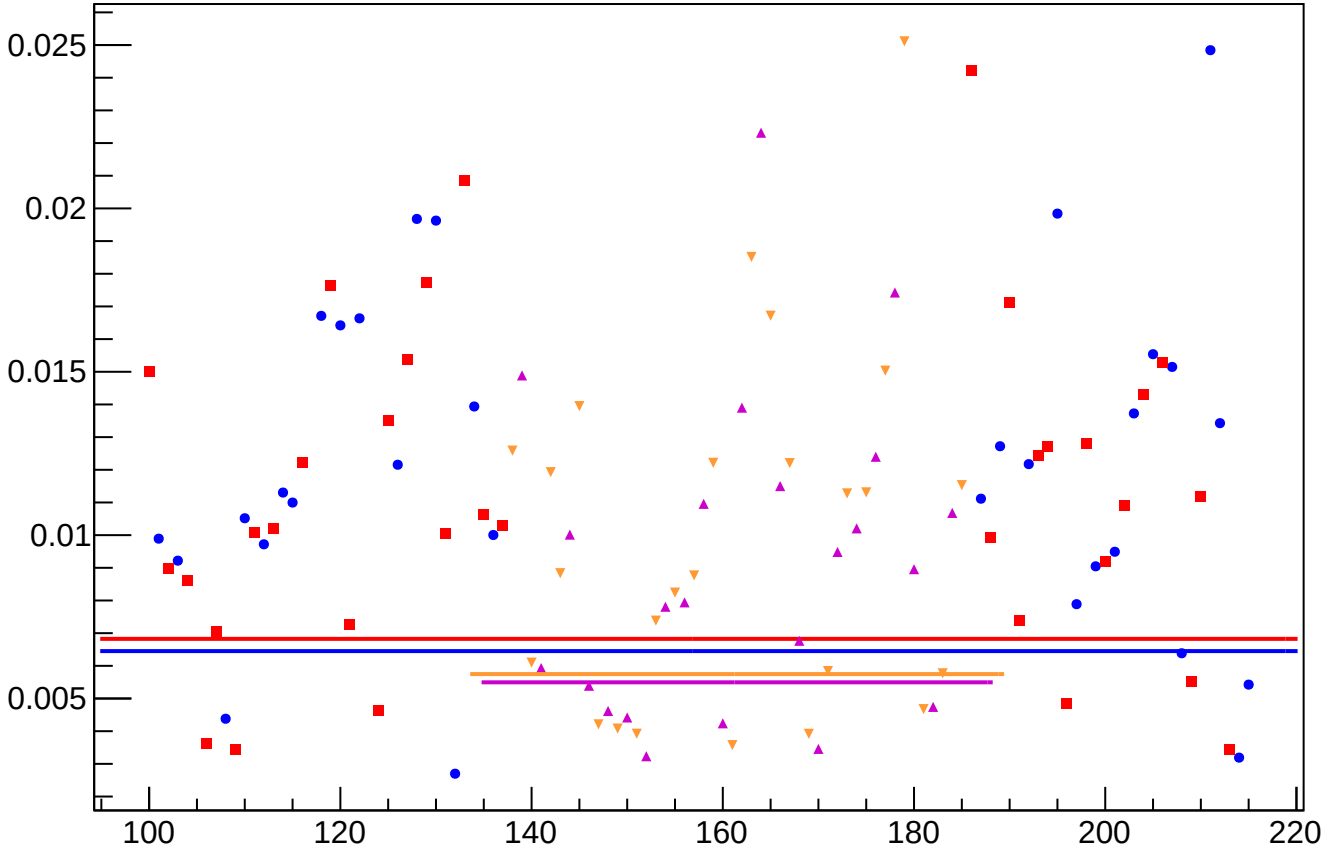
Right: 0.000+/-0.000 χ^2/NDF: 74.5/64

In: 0.000+/-0.000 χ^2/NDF:63.8/53

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 151.7/112

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: 11320349.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8640607.2/33

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

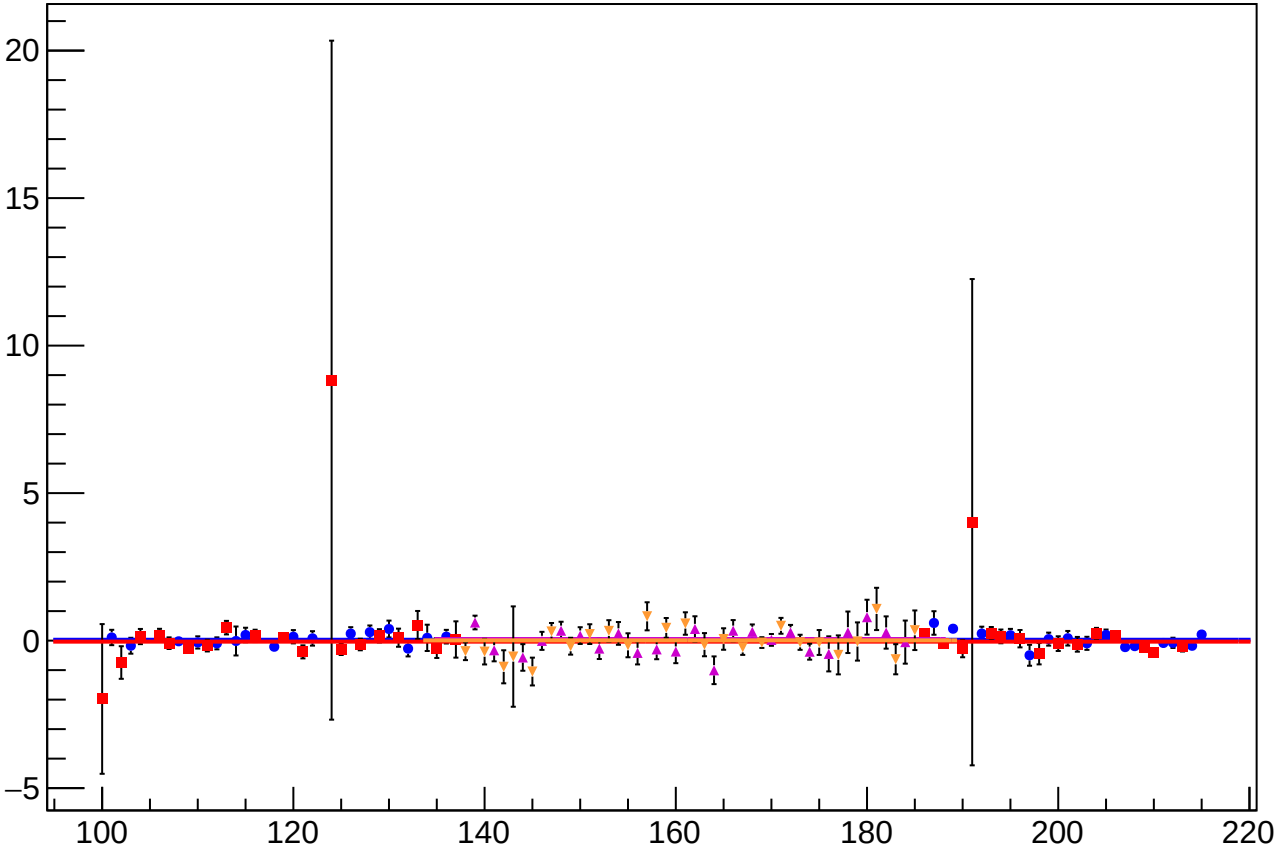
Right: 0.007+/-0.000 χ^2/NDF: 20002702.7/64

In: 0.006+/-0.000 χ^2/NDF:18585008.7/53

Out: 0.006+/-0.000 χ^2/NDF:17173359.8/58

All: 0.006+/-0.000 χ^2/NDF: 35820761.5/112

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

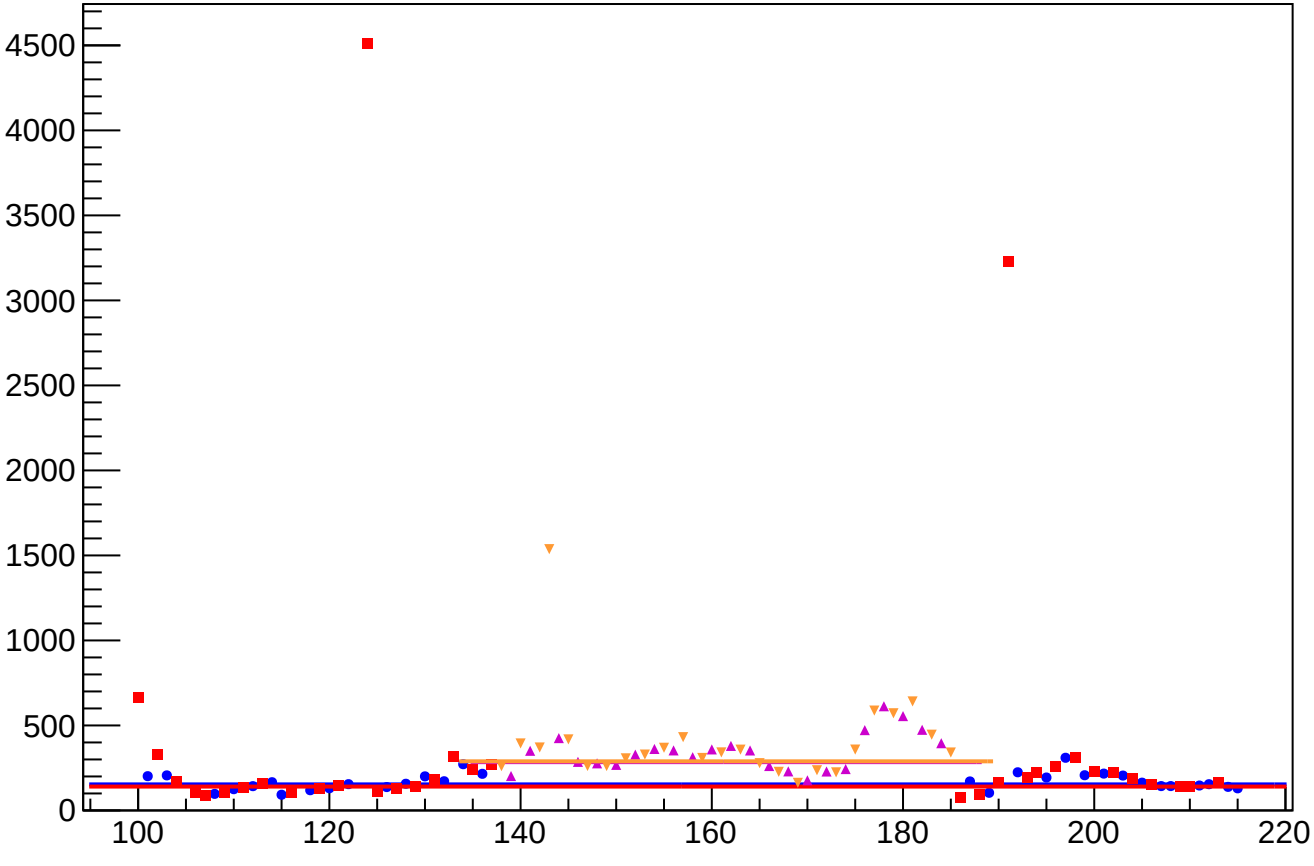
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

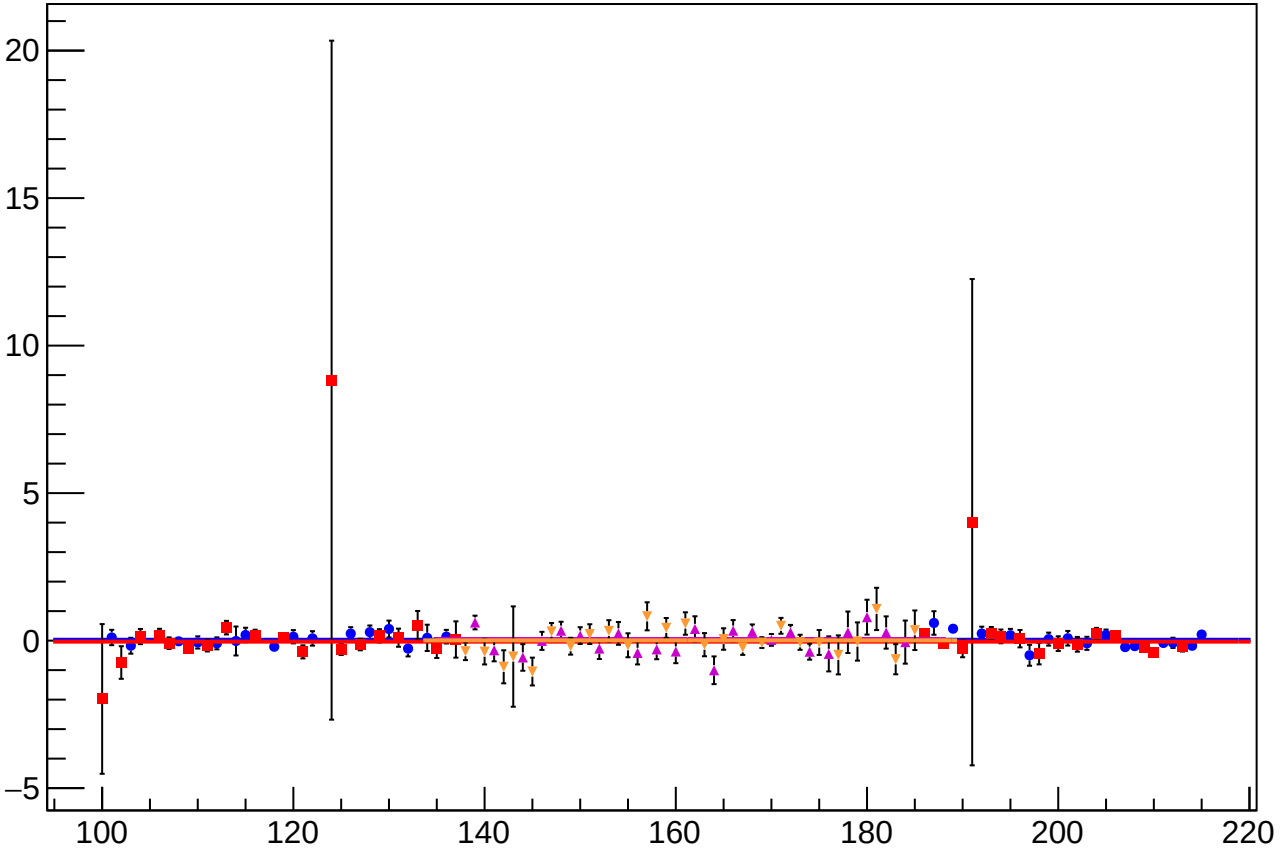
Right: 146.708+/-0.018 χ^2/NDF: 7194168.7/64

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 175.842+/-0.016 χ^2/NDF: 27305374.3/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

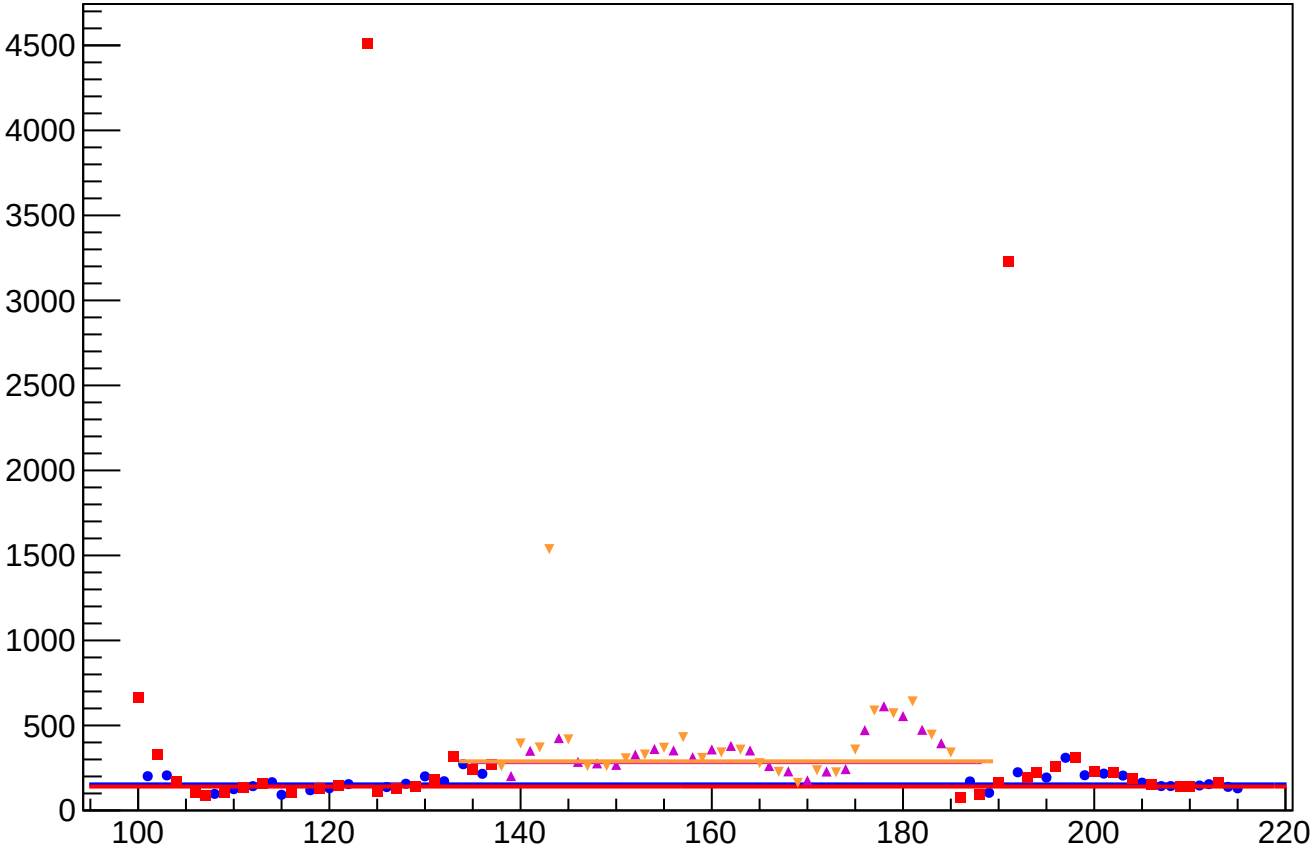
Right: -0.004+/-0.026 χ^2/NDF: 73.4/64

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.026+/-0.032 χ^2/NDF:69.9/58

All: 0.004+/-0.023 χ^2/NDF: 130.6/112

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

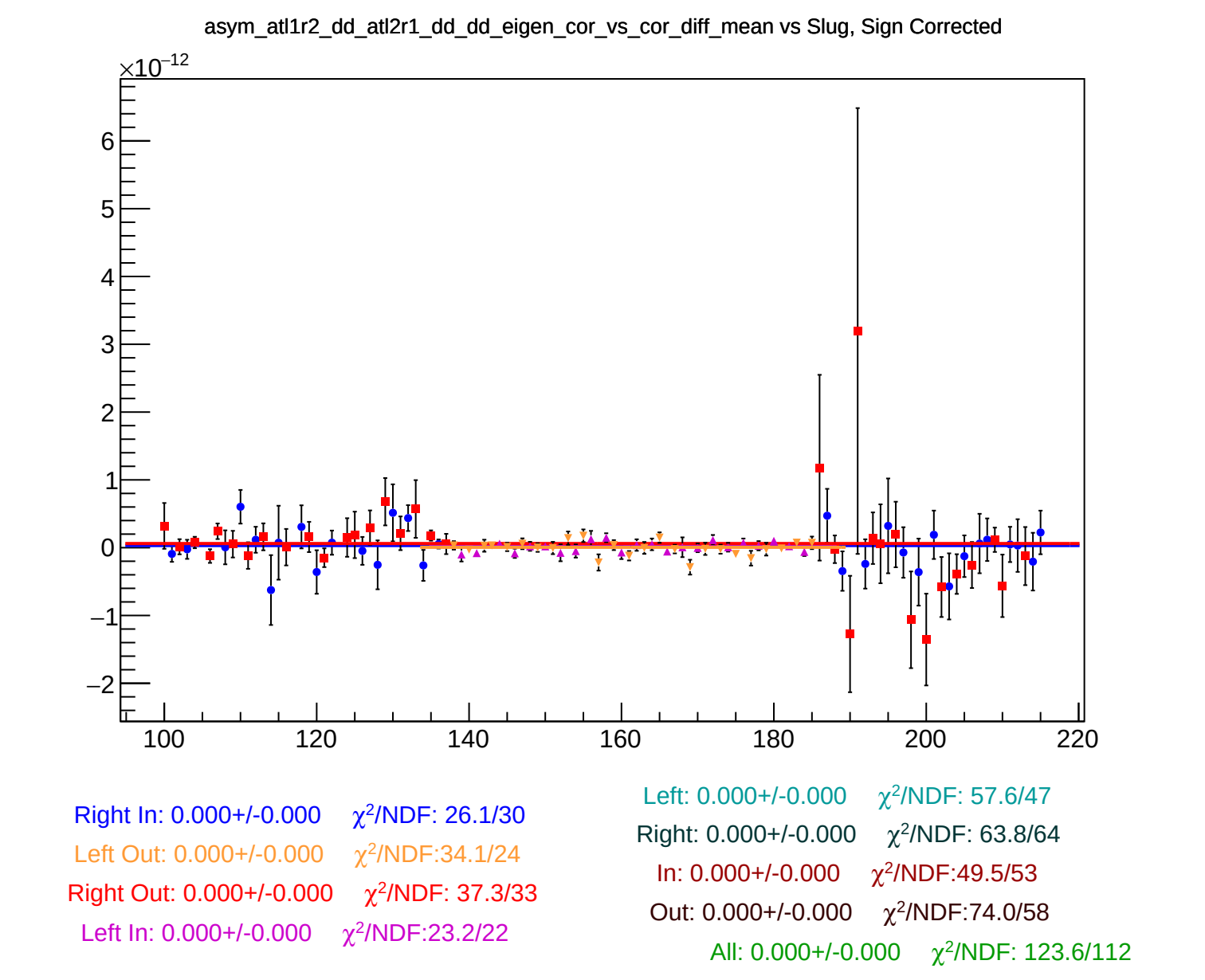
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 146.708+/-0.018 χ^2/NDF: 7194168.7/64

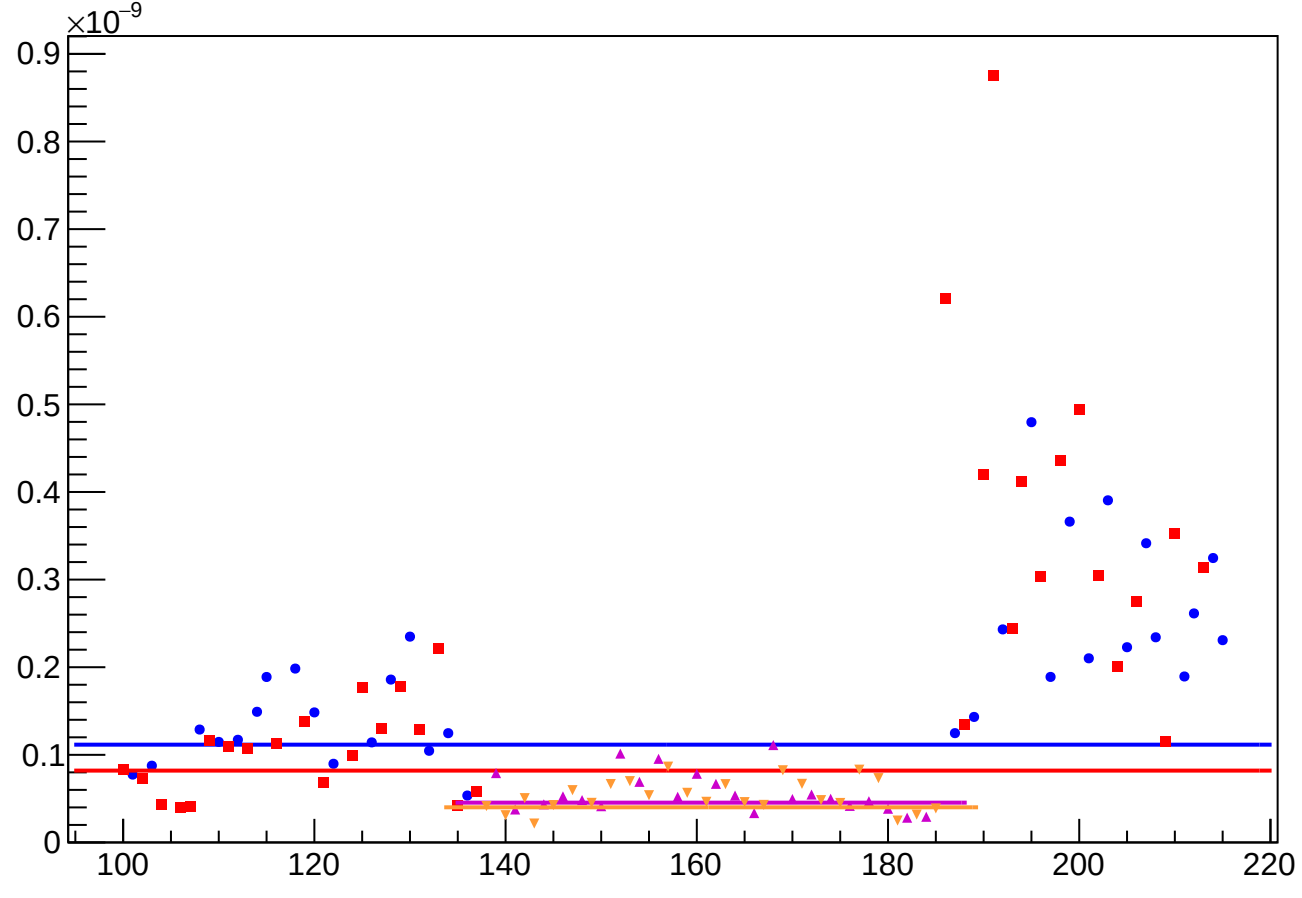
In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 170.519+/-0.023 χ^2/NDF:16337881.0/58

All: 175.842+/-0.016 χ^2/NDF: 27305374.3/11


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 26.1/30
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.3/33
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 63.8/64
In: 0.000+/-0.000 χ²/NDF:49.5/53
Out: 0.000+/-0.000 χ²/NDF:74.0/58
All: 0.000+/-0.000 χ²/NDF: 123.6/112

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: 6898634.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8993126.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

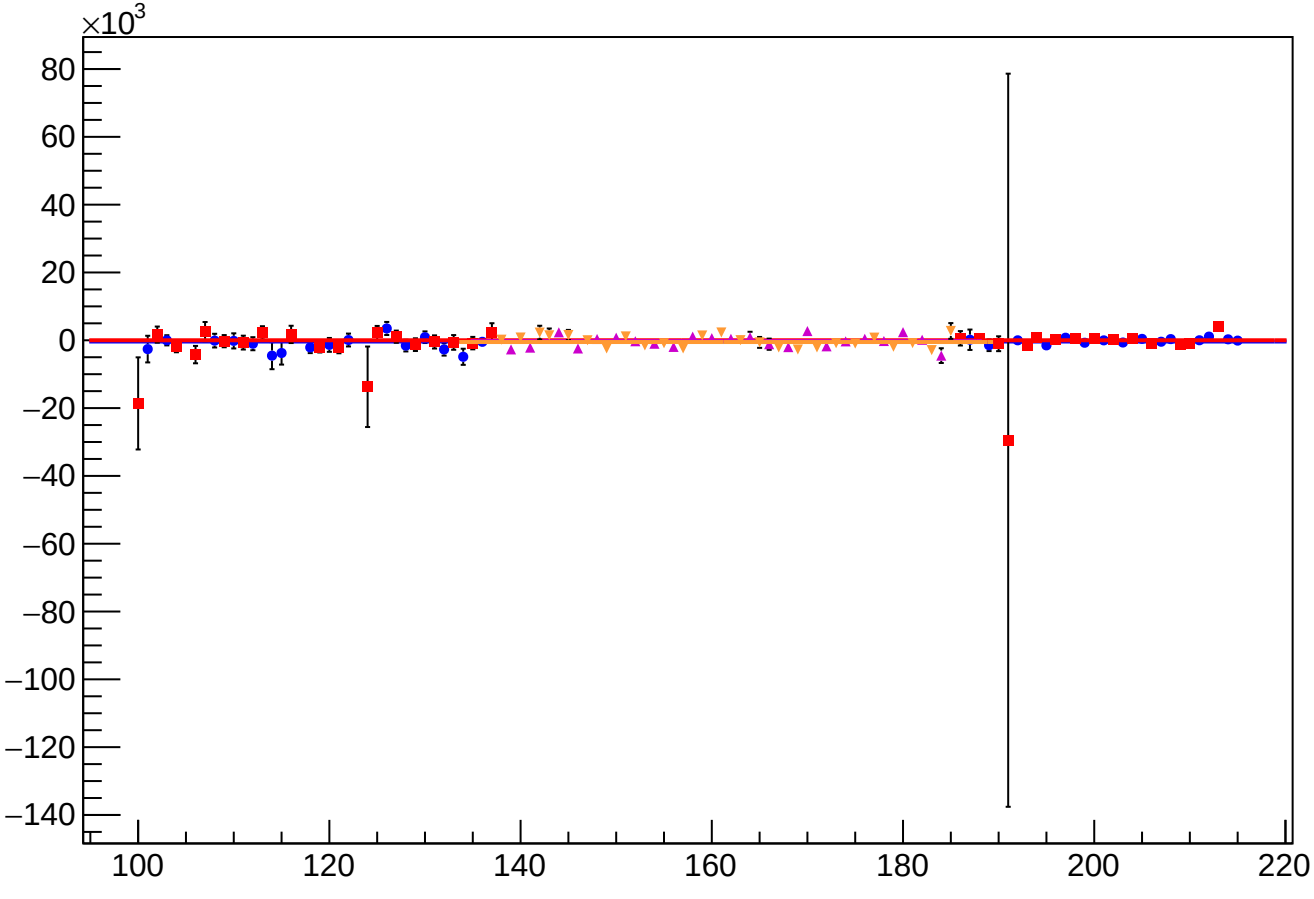
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16579192.1/64

In: 0.000+/-0.000 χ^2/NDF:14838485.8/53

Out: 0.000+/-0.000 χ^2/NDF:15559745.2/58

All: 0.000+/-0.000 χ^2/NDF: 30751307.1/112



Right In: -361.129+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 4.501+/-299.265 χ^2/NDF: 29.8/33

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

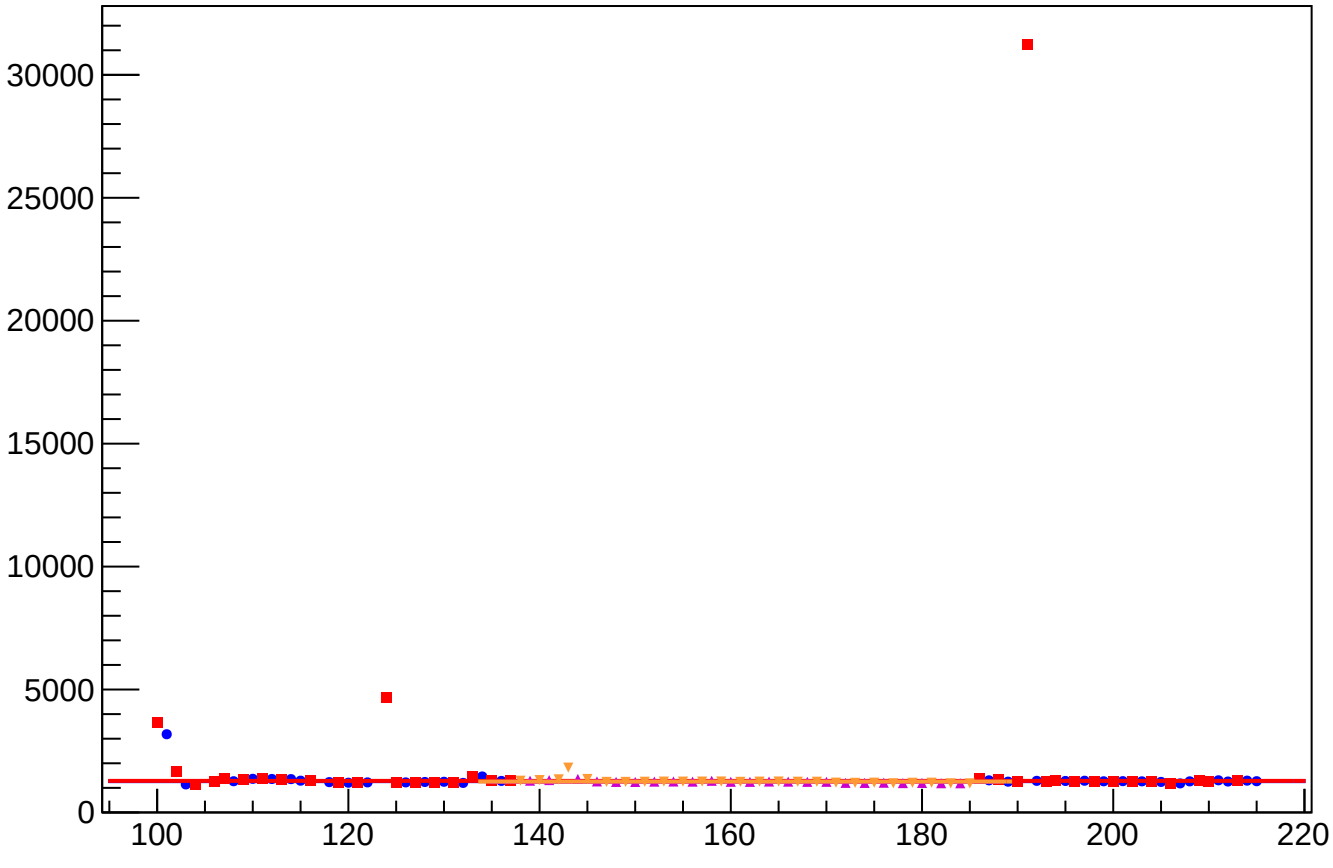
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -182.789+/-209.006 χ^2/NDF: 48.8/64

In: -301.733+/-206.189 χ^2/NDF:50.4/53

Out: -266.799+/-206.742 χ^2/NDF:62.3/58

All: -284.312+/-145.993 χ^2/NDF: 112.6/112



Right In: 1273.339+/-0.206 χ^2/NDF: 534165.5/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1283.846+/-0.212 χ^2/NDF: 507659.6/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

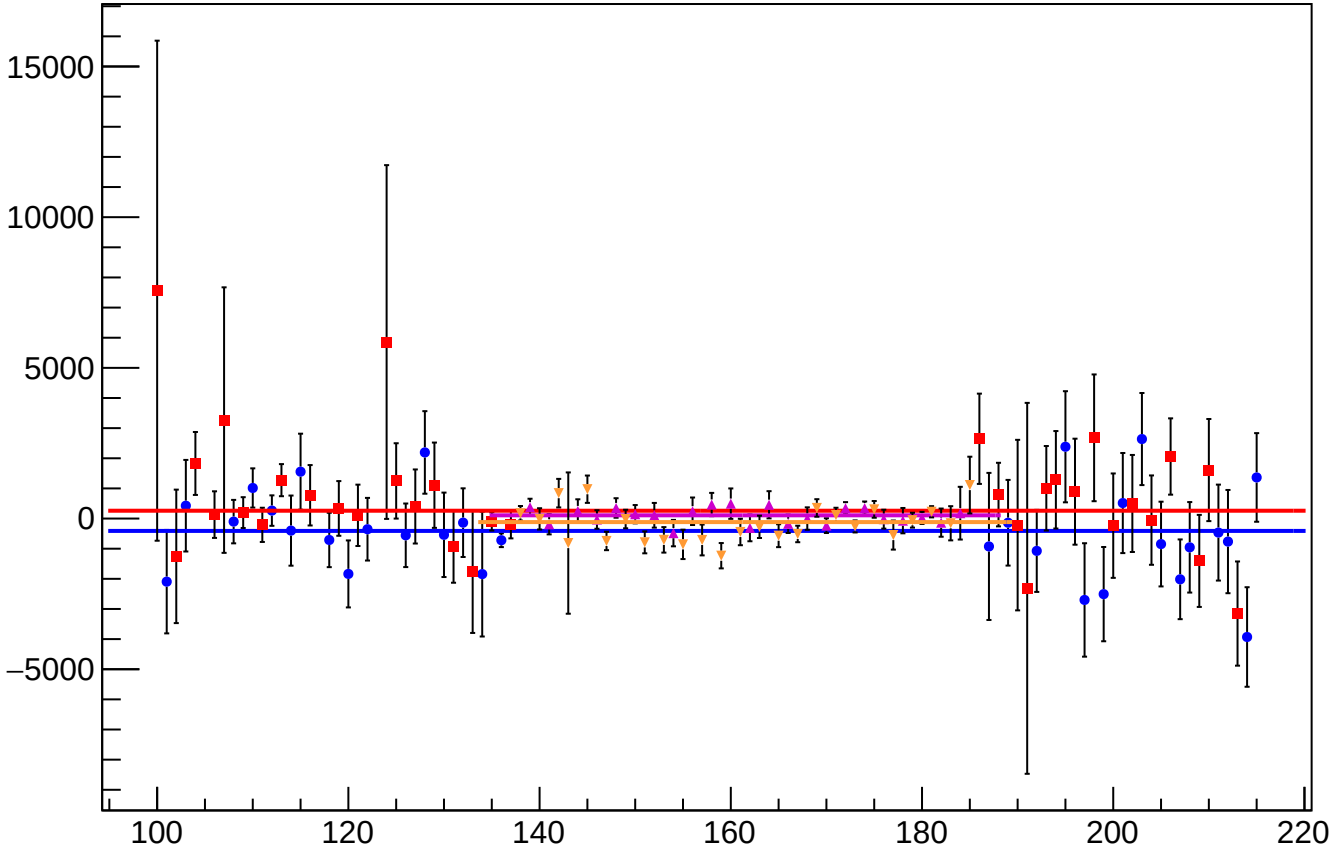
Right: 1278.464+/-0.148 χ^2/NDF: 1043087.8/64

In: 1259.807+/-0.146 χ^2/NDF:582586.3/53

Out: 1269.035+/-0.146 χ^2/NDF:720154.2/58

All: 1264.409+/-0.103 χ^2/NDF: 1304738.3/11

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -410.326+/-155.400 χ^2/NDF: 36.1/30

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 259.769+/-156.900 χ^2/NDF: 27.8/33

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

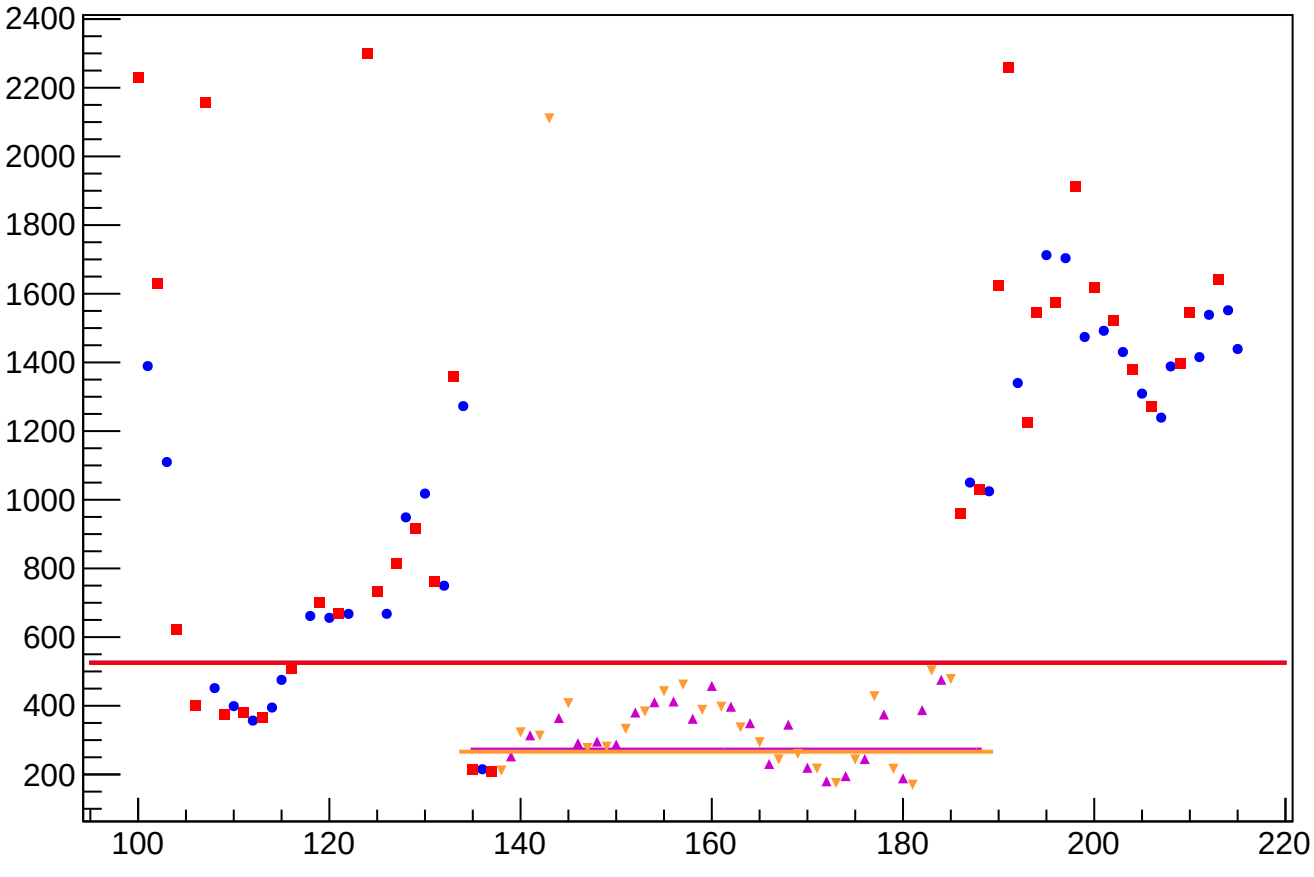
Right: -78.498+/-110.411 χ^2/NDF: 73.2/64

In: 26.196+/-61.526 χ^2/NDF:59.2/53

Out: -61.748+/-60.097 χ^2/NDF:81.2/58

All: -18.809+/-42.991 χ^2/NDF: 141.5/112

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 525.804+/-0.110 χ^2/NDF: 15268100.9/30

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 525.002+/-0.111 χ^2/NDF: 14551589.6/33

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

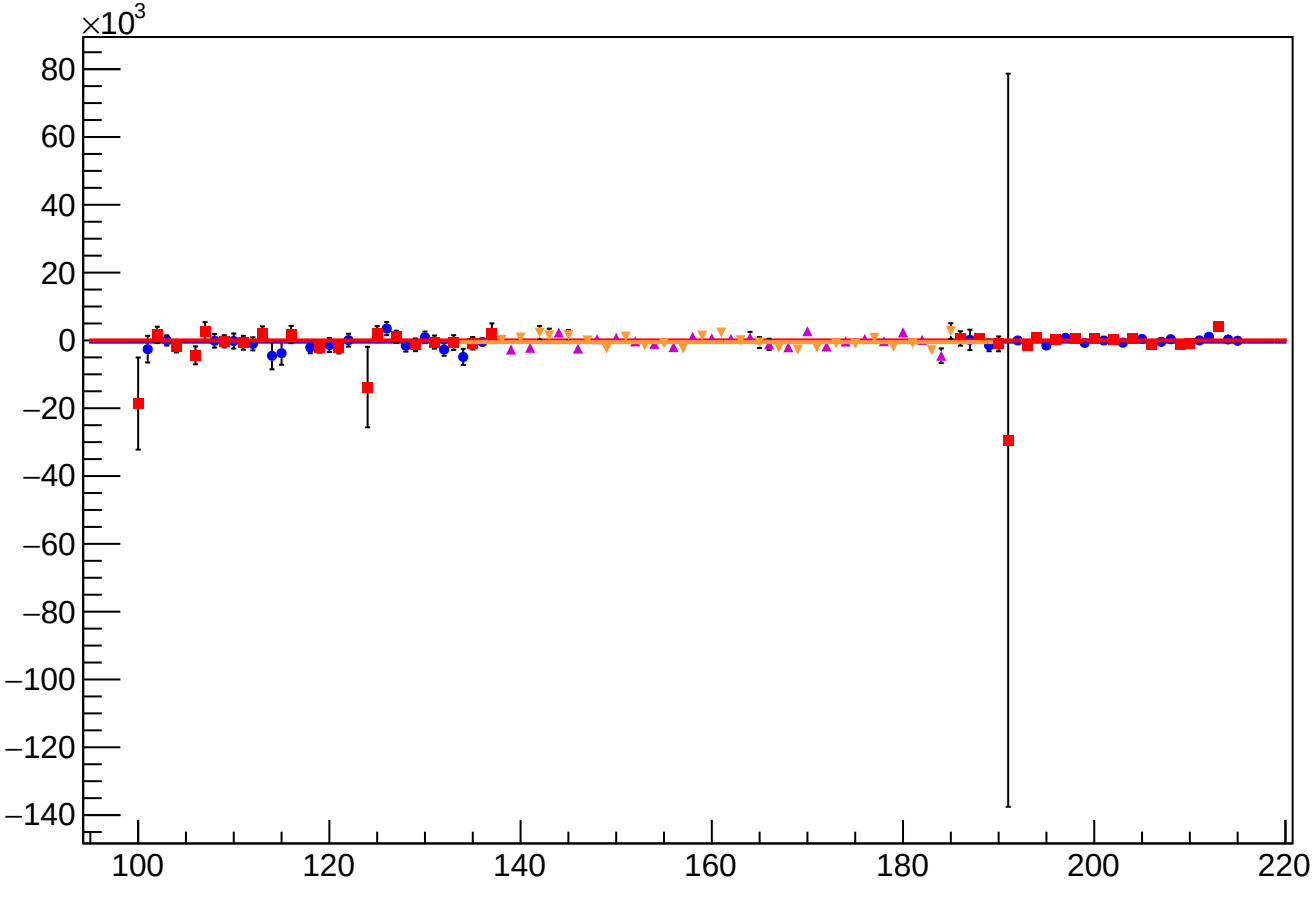
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 525.407+/-0.078 χ^2/NDF: 29819717.0/64

In: 312.095+/-0.044 χ^2/NDF:22641549.1/53

Out: 304.272+/-0.042 χ^2/NDF:23820539.9/58

All: 308.092+/-0.030 χ^2/NDF: 46478634.5/1



Right In: -360.995+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 5.775+/-299.387 χ^2/NDF: 29.8/33

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

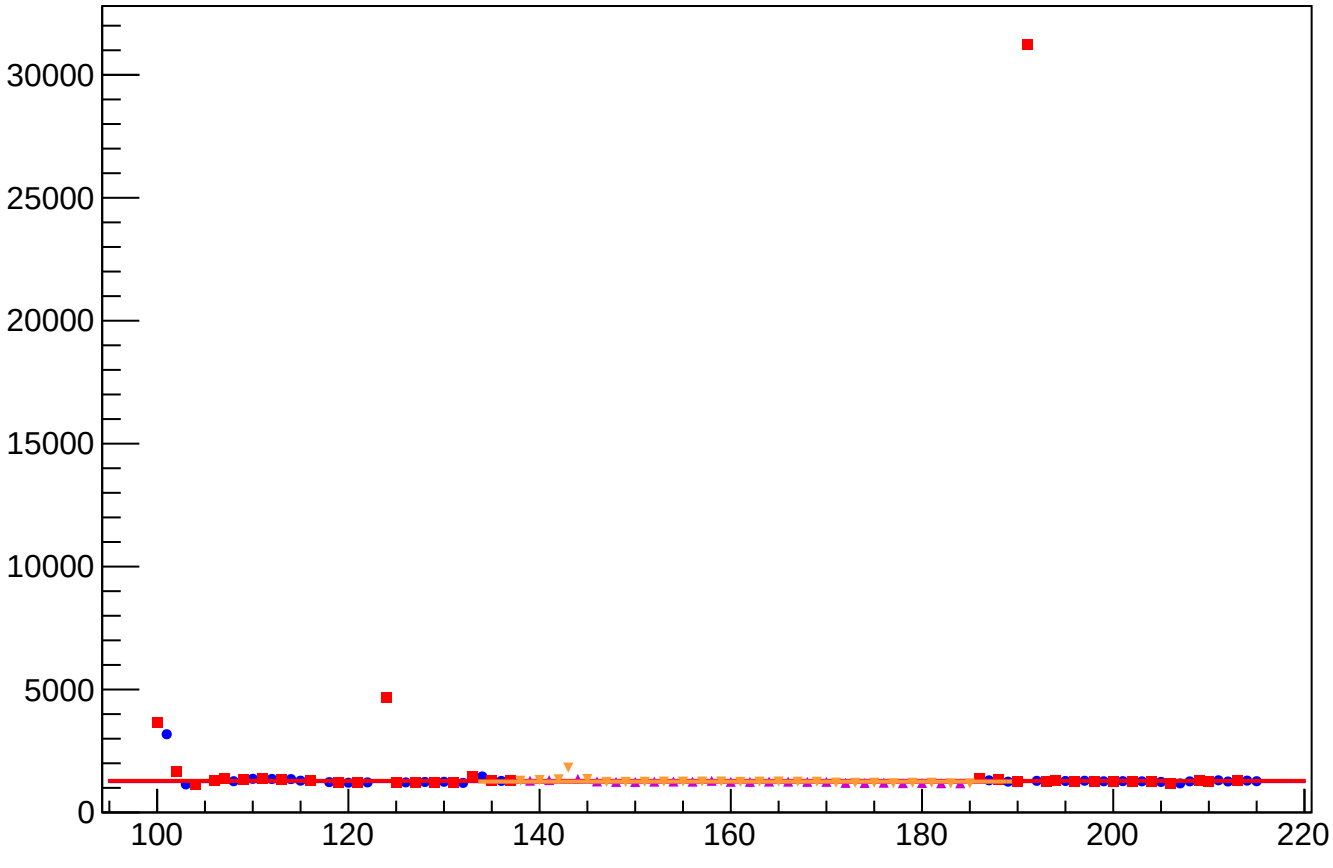
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -182.174+/-209.048 χ^2/NDF: 48.8/64

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -284.012+/-146.007 χ^2/NDF: 112.7/112



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.386+/-0.212 χ^2/NDF: 507636.9/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

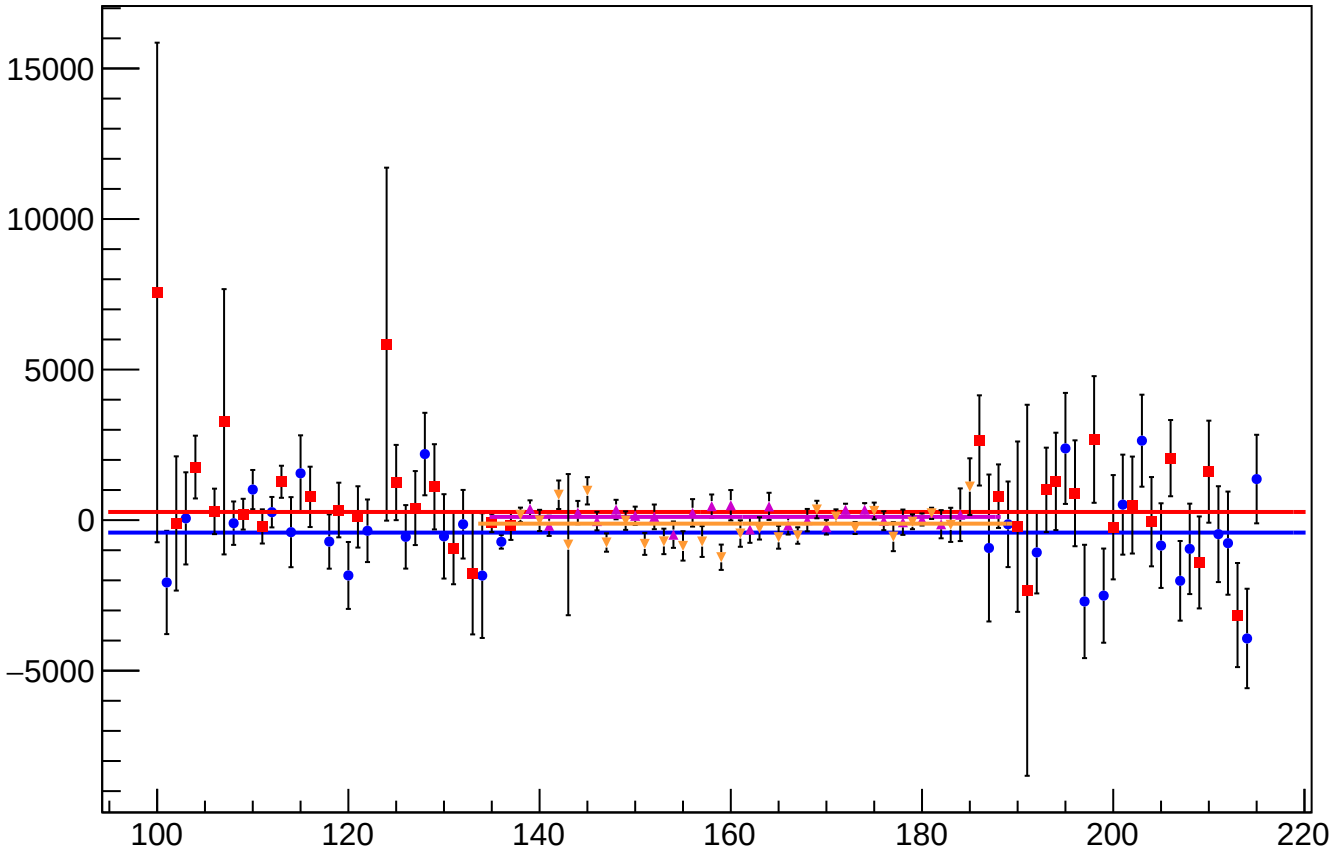
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.725+/-0.148 χ^2/NDF: 1043199.1/64

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.533+/-0.103 χ^2/NDF: 1305183.5/11



Right In: -414.142+/-155.415 χ^2/NDF: 35.9/30

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 270.932+/-156.743 χ^2/NDF: 27.2/33

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

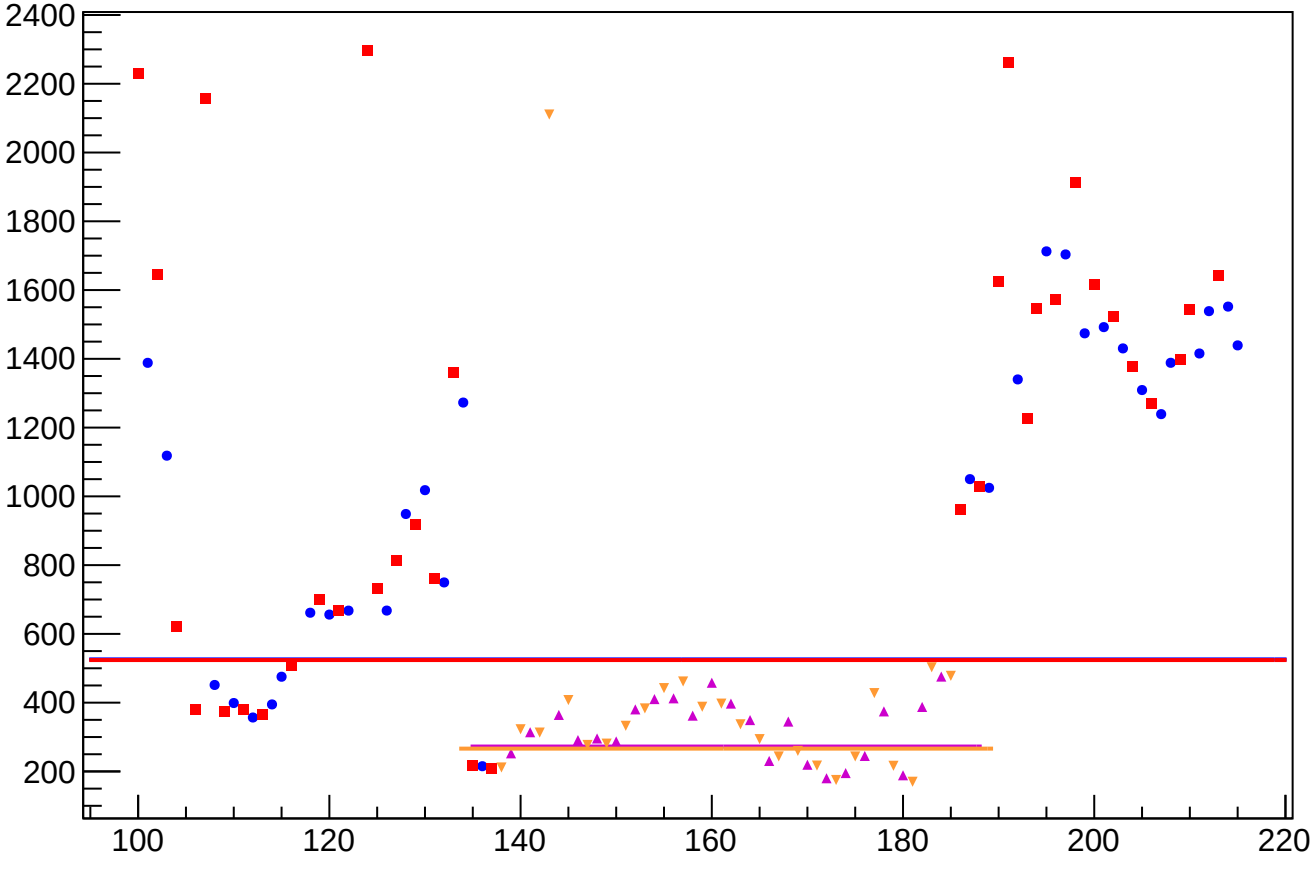
Right: -74.520+/-110.362 χ^2/NDF: 72.7/64

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -18.155+/-42.989 χ^2/NDF: 141.0/112

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 525.826+/-0.110 χ^2/NDF: 15271071.4/30

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 523.914+/-0.111 χ^2/NDF: 14579020.0/33

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

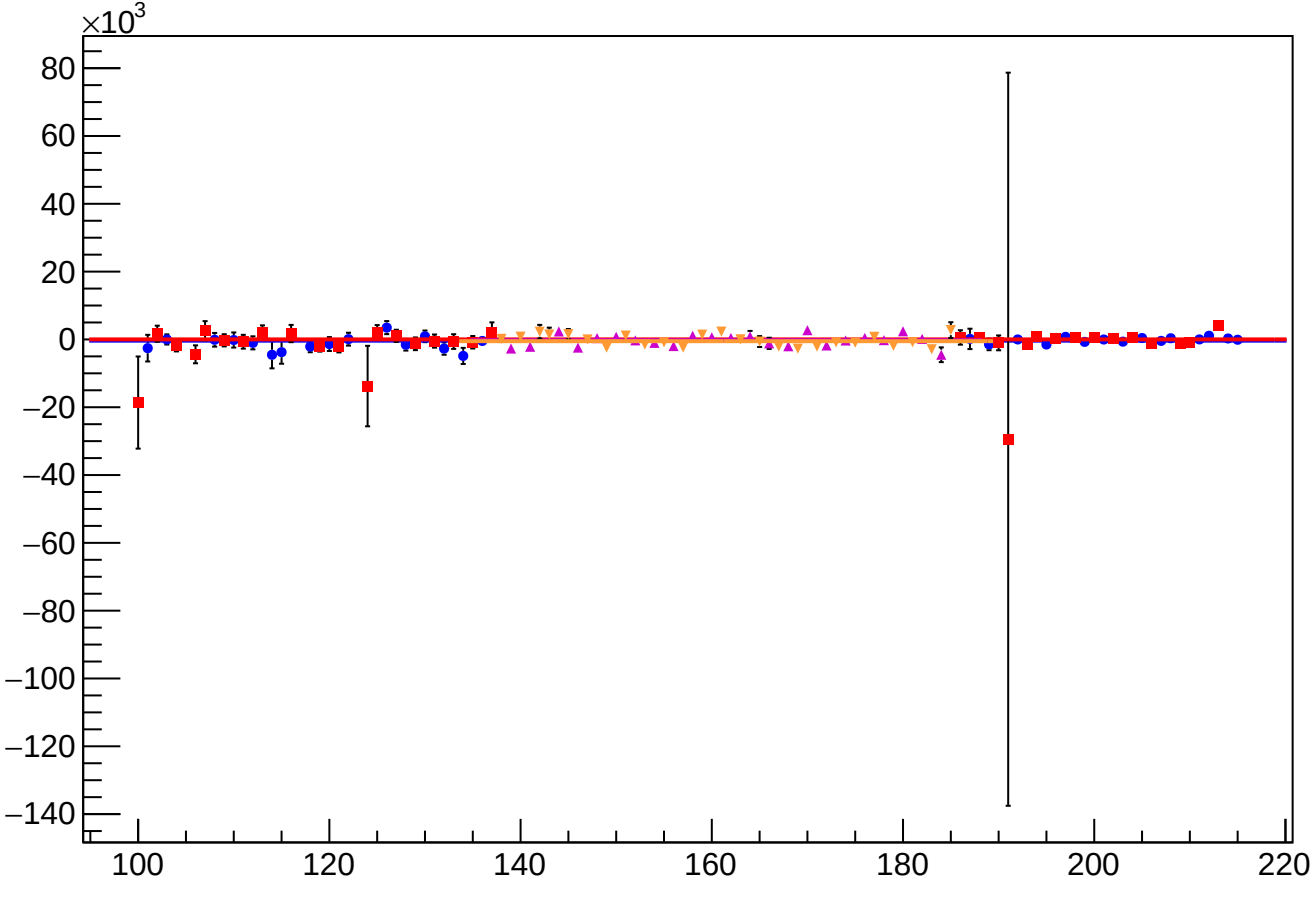
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 524.878+/-0.078 χ^2/NDF: 29850241.5/64

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 308.049+/-0.030 χ^2/NDF: 46477596.0/1



Right In: -360.995+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 5.775+/-299.387 χ^2/NDF: 29.8/33

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

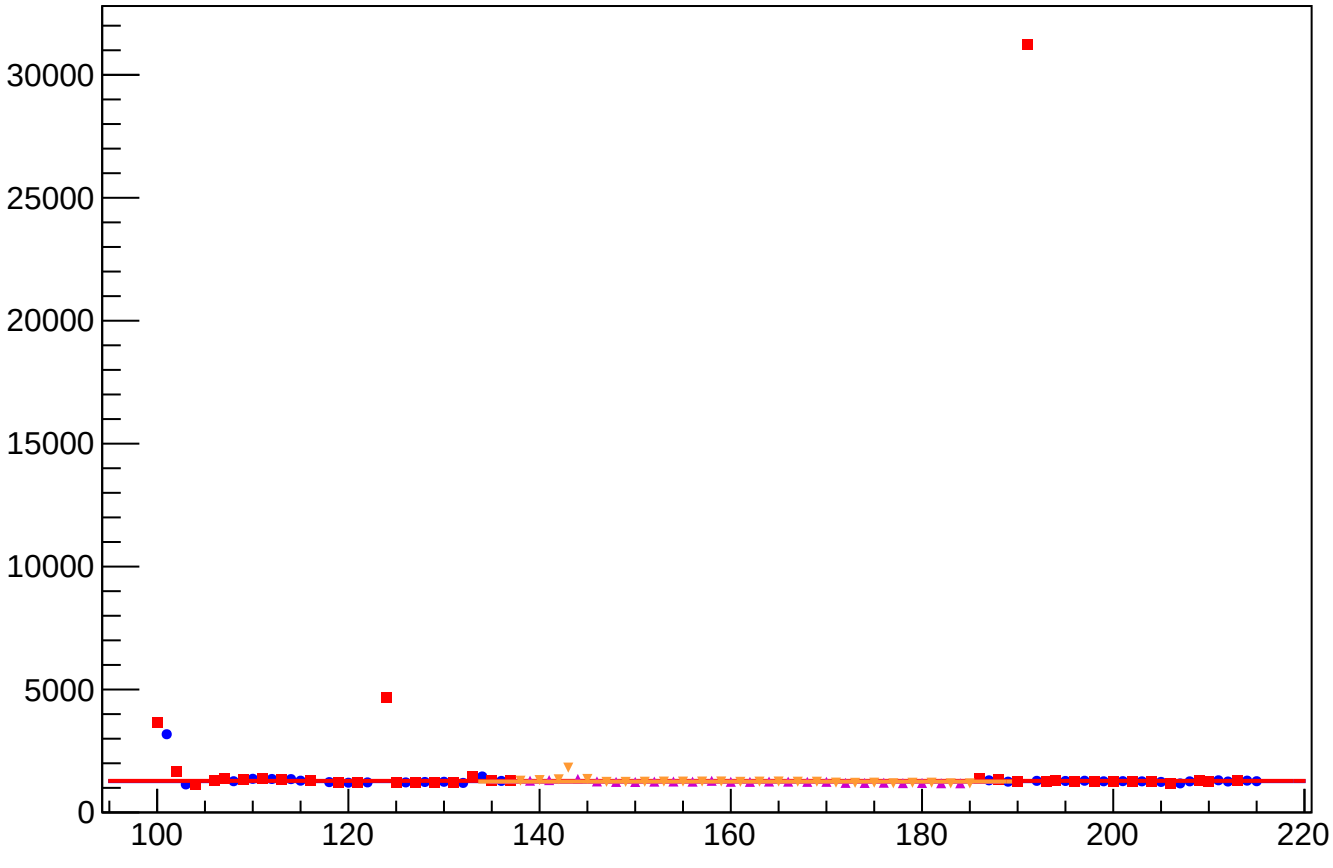
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -182.174+/-209.048 χ^2/NDF: 48.8/64

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -266.268+/-206.782 χ^2/NDF:62.3/58

All: -284.012+/-146.007 χ^2/NDF: 112.7/112



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.386+/-0.212 χ^2/NDF: 507636.9/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

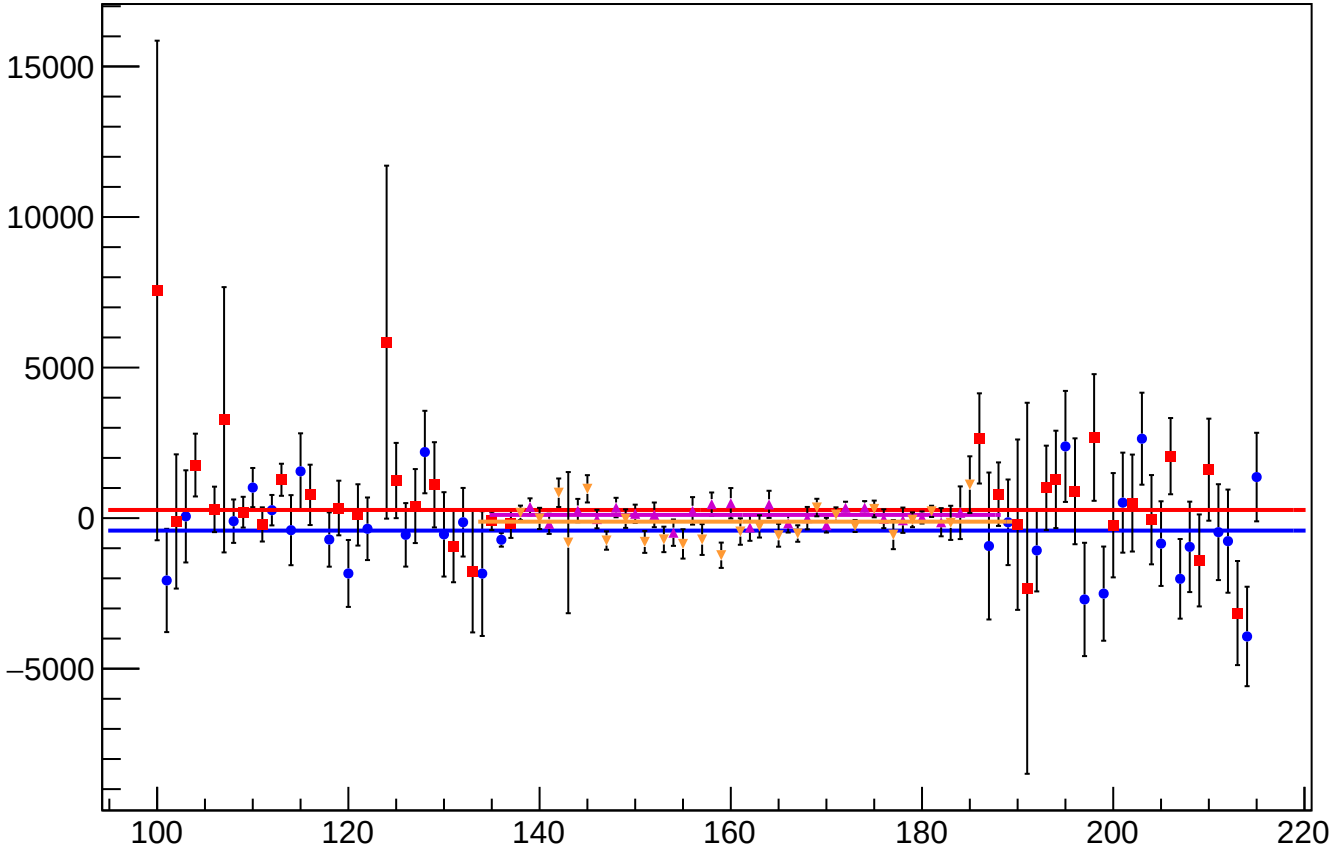
Right: 1278.725+/-0.148 χ^2/NDF: 1043199.1/64

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.287+/-0.146 χ^2/NDF:720487.9/58

All: 1264.533+/-0.103 χ^2/NDF: 1305183.5/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -414.142+/-155.415 χ^2/NDF: 35.9/30

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 270.932+/-156.743 χ^2/NDF: 27.2/33

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

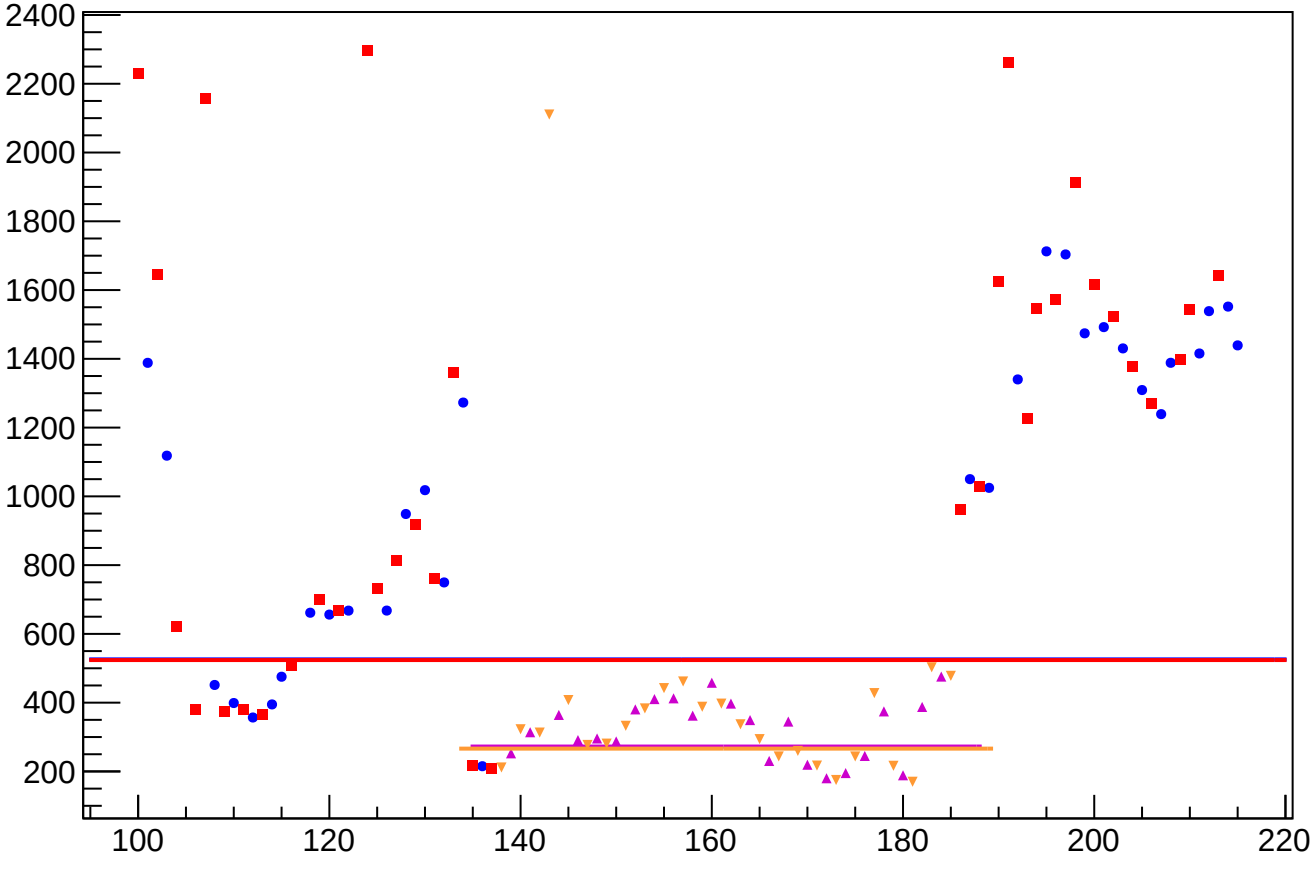
Right: -74.520+/-110.362 χ^2/NDF: 72.7/64

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -59.989+/-60.090 χ^2/NDF:80.9/58

All: -18.155+/-42.989 χ^2/NDF: 141.0/112

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 525.826+/-0.110 χ^2/NDF: 15271071.4/30

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 523.914+/-0.111 χ^2/NDF: 14579020.0/33

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

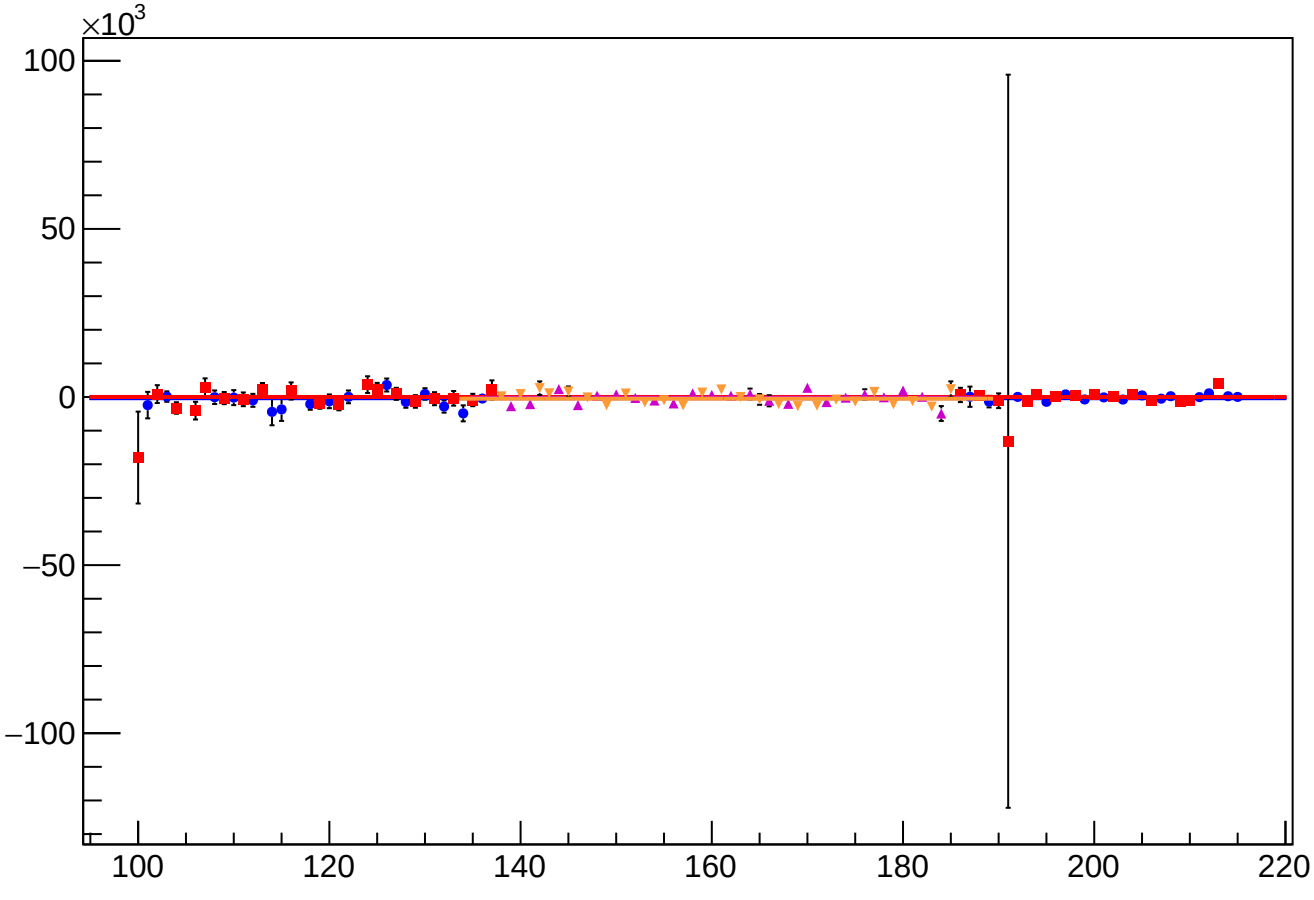
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 524.878+/-0.078 χ^2/NDF: 29850241.5/64

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 304.183+/-0.042 χ^2/NDF:23816701.5/58

All: 308.049+/-0.030 χ^2/NDF: 46477596.0/1



Right In: -352.361+/-292.805 χ^2/NDF: 18.2/30

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 12.195+/-298.859 χ^2/NDF: 31.8/33

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

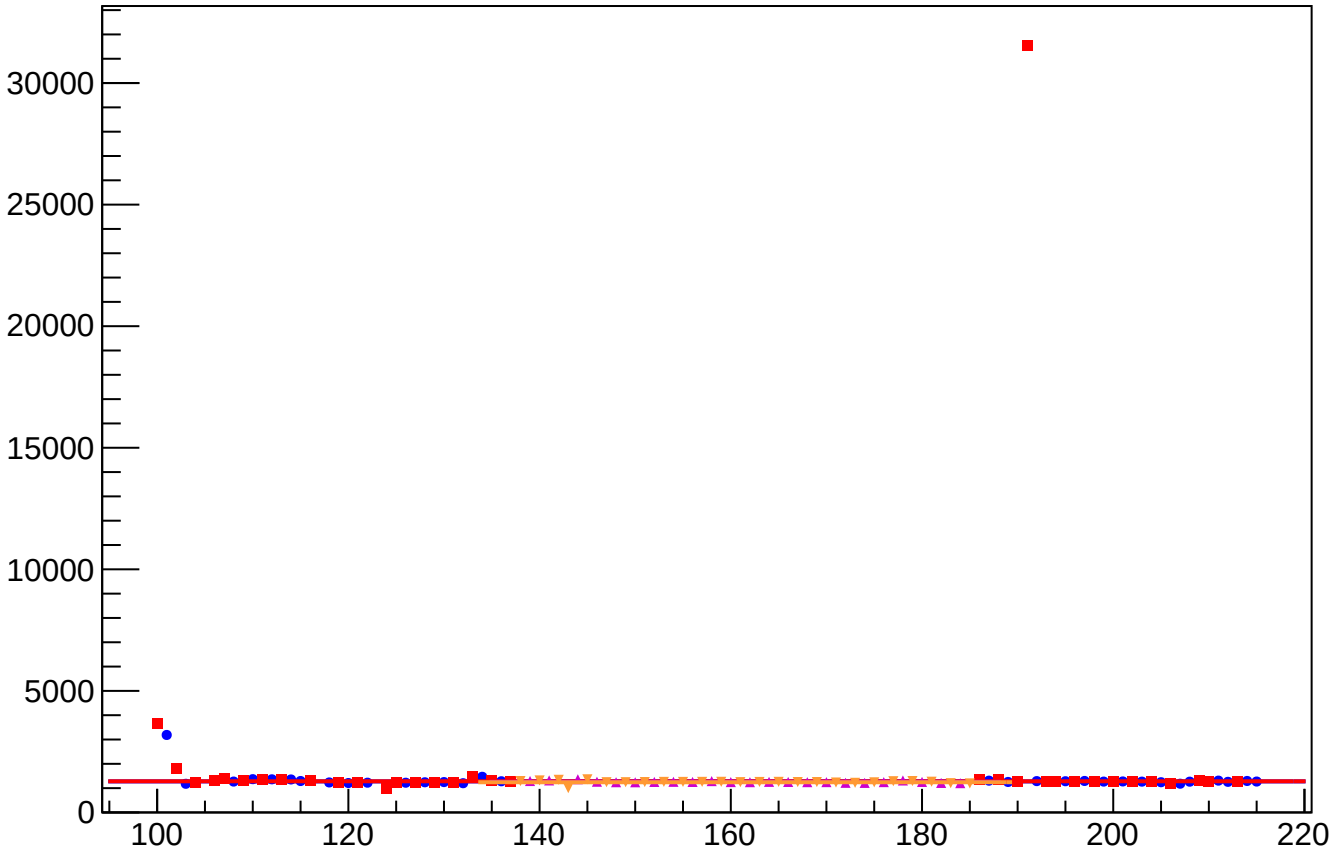
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -173.813+/-209.152 χ^2/NDF: 50.8/64

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -275.822+/-146.001 χ^2/NDF: 116.5/112



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1282.184+/-0.211 χ^2/NDF: 388064.2/33

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

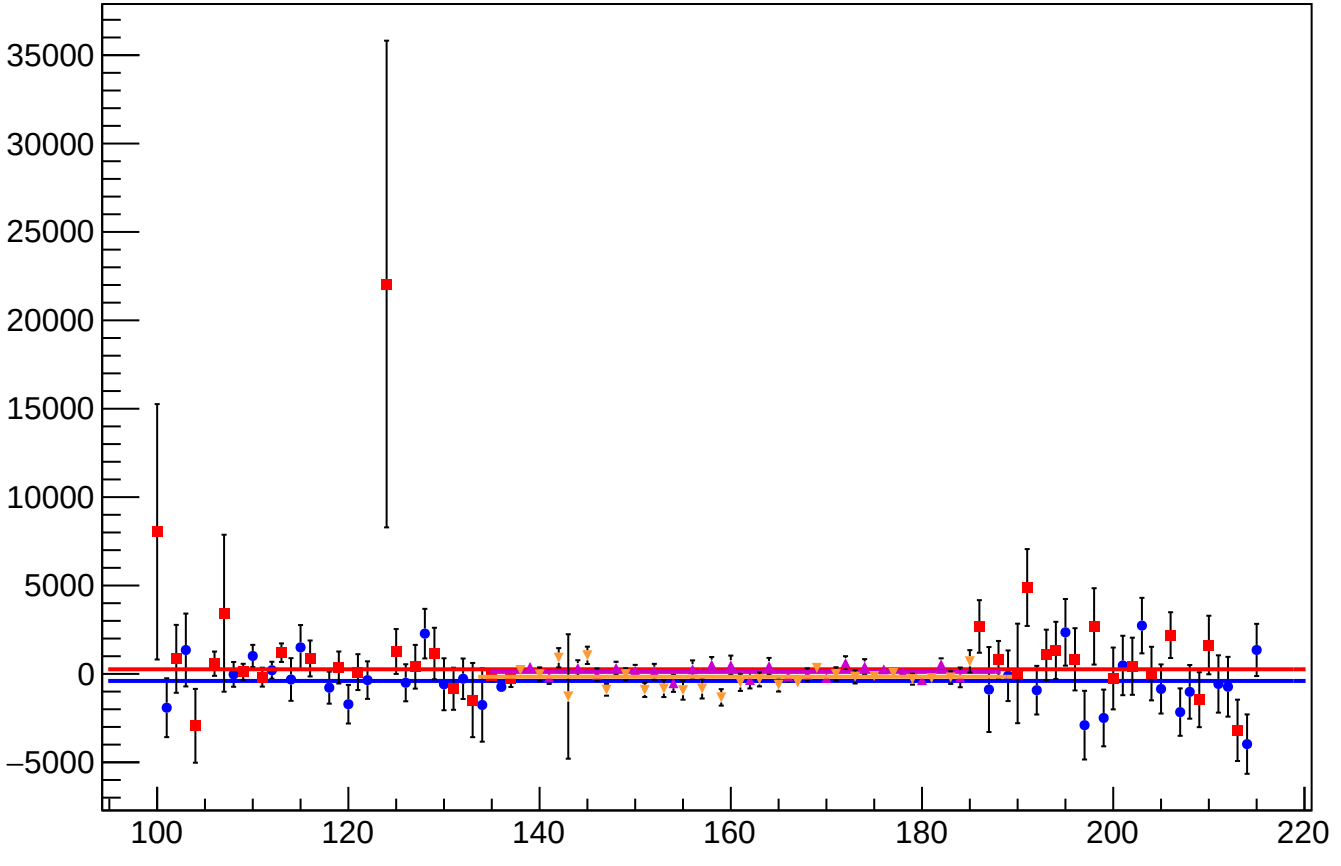
Right: 1279.439+/-0.148 χ^2/NDF: 915164.5/64

In: 1268.492+/-0.147 χ^2/NDF:557941.2/53

Out: 1261.263+/-0.145 χ^2/NDF:536659.6/58

All: 1264.839+/-0.103 χ^2/NDF: 1095826.4/11

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -397.642+/-157.039 χ^2/NDF: 36.4/30

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 261.636+/-156.804 χ^2/NDF: 34.0/33

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

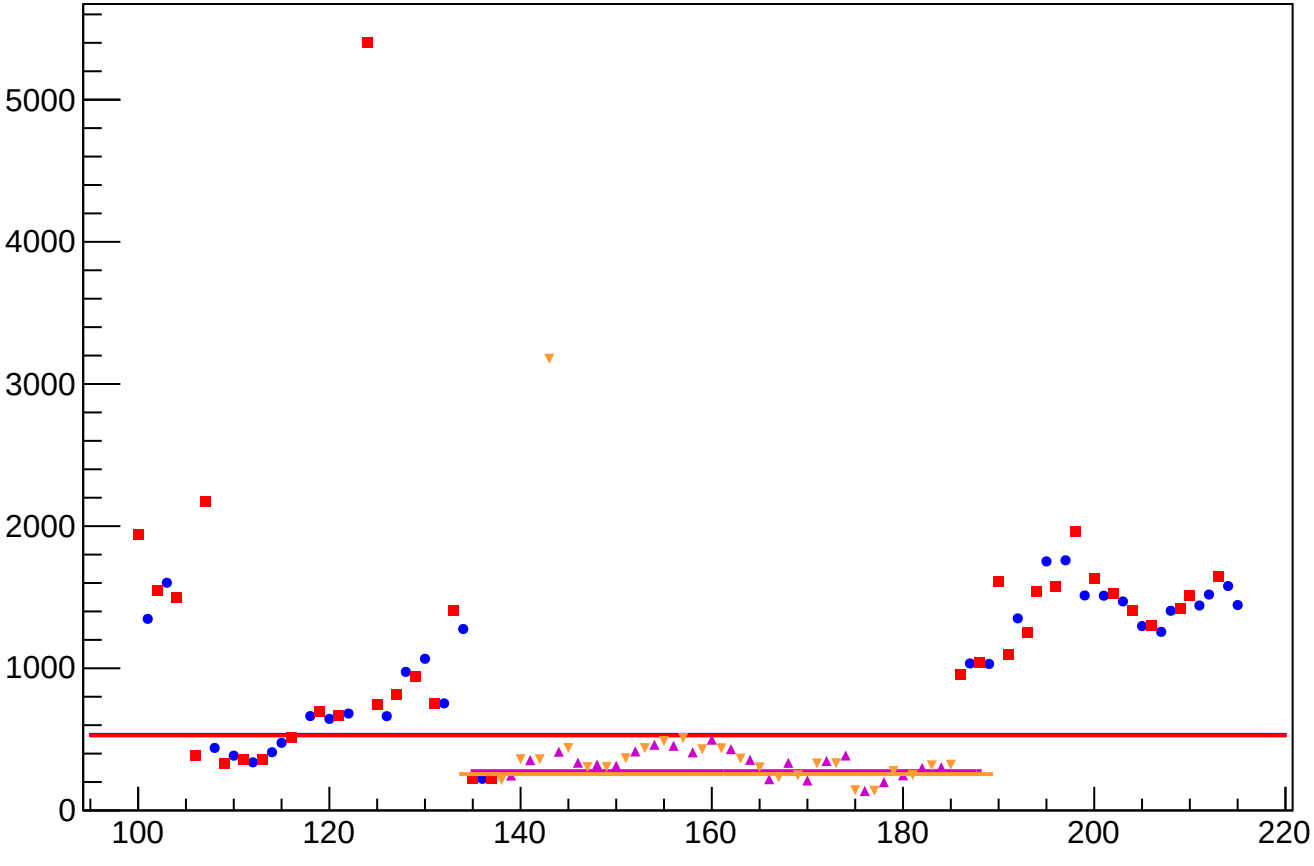
Right: -67.510+/-110.960 χ^2/NDF: 79.3/64

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -100.373+/-59.360 χ^2/NDF:84.0/58

All: -38.503+/-43.219 χ^2/NDF: 149.8/112

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 531.606+/-0.111 χ^2/NDF: 15407600.6/30

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 527.966+/-0.111 χ^2/NDF: 15088720.3/33

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

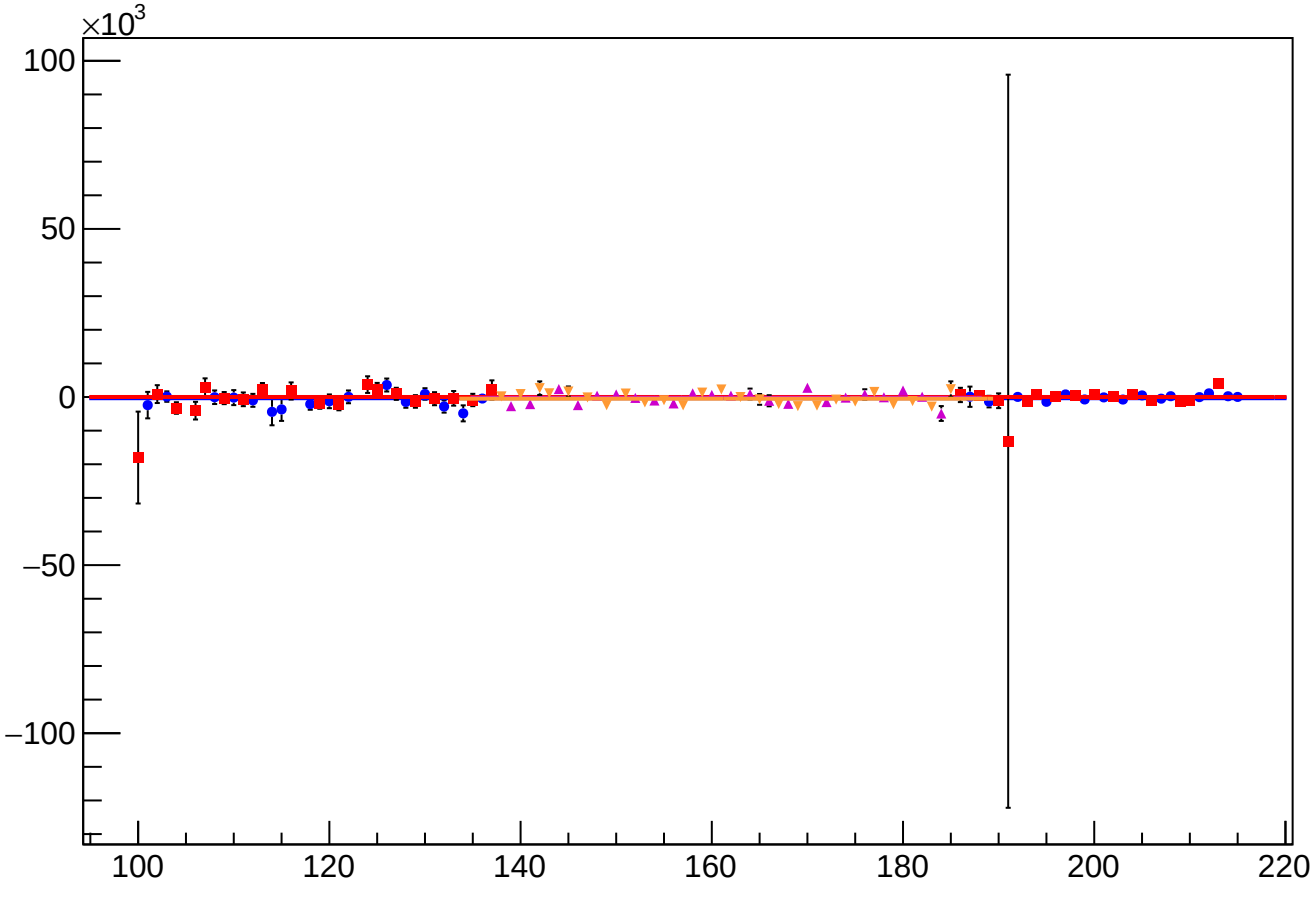
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 529.783+/-0.078 χ^2/NDF: 30496859.2/64

In: 317.452+/-0.045 χ^2/NDF:23869134.2/53

Out: 294.776+/-0.042 χ^2/NDF:26625735.2/58

All: 305.431+/-0.031 χ^2/NDF: 50632004.5/11



Right In: -352.360+/-292.805 χ^2/NDF: 18.2/30

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 12.195+/-298.859 χ^2/NDF: 31.8/33

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

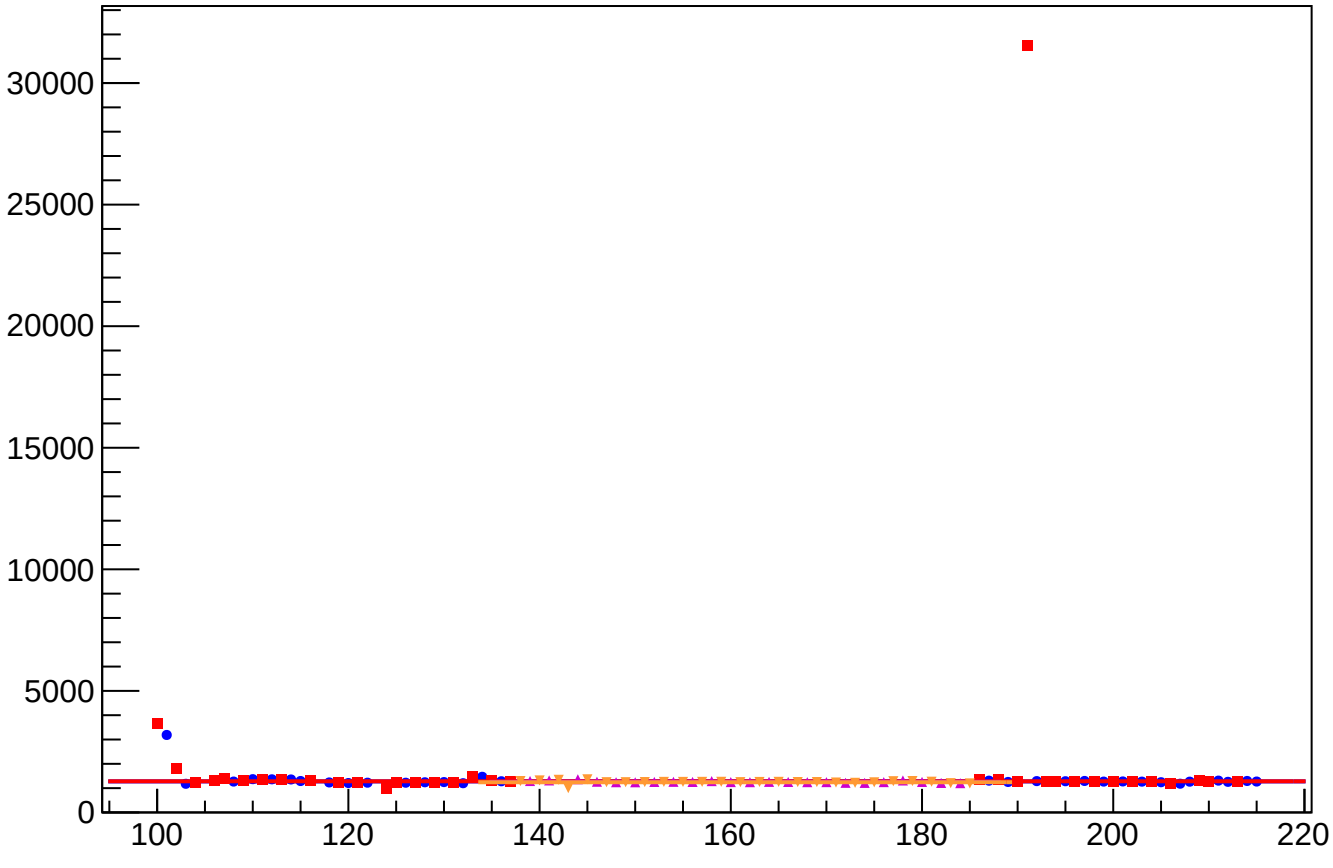
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -173.812+/-209.152 χ^2/NDF: 50.8/64

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -254.628+/-205.387 χ^2/NDF:67.5/58

All: -275.821+/-146.001 χ^2/NDF: 116.5/112



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1282.184+/-0.211 χ^2/NDF: 388064.5/33

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

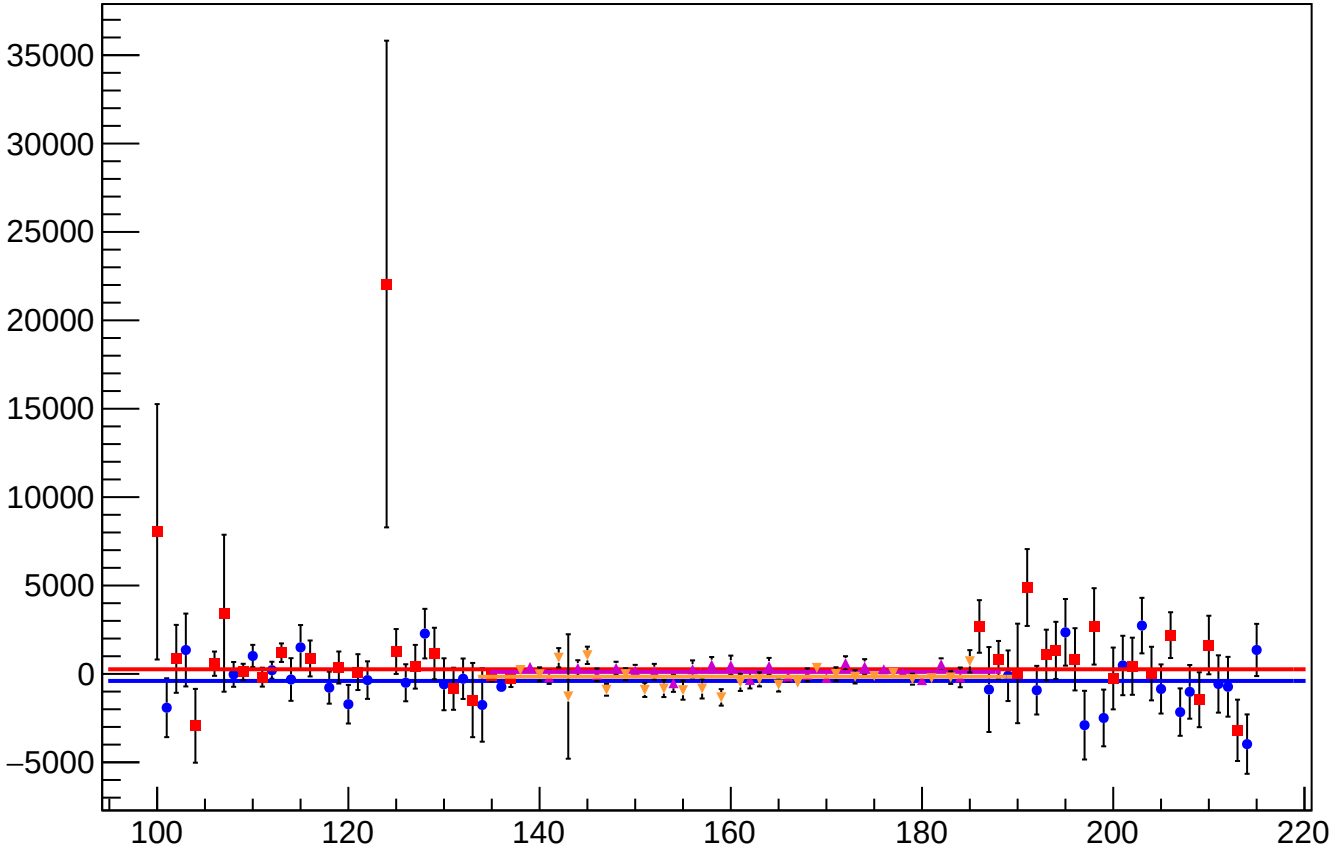
Right: 1279.439+/-0.148 χ^2/NDF: 915164.8/64

In: 1268.492+/-0.147 χ^2/NDF:557941.3/53

Out: 1261.263+/-0.145 χ^2/NDF:536659.0/58

All: 1264.839+/-0.103 χ^2/NDF: 1095825.8/11

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -397.643+/-157.041 χ^2/NDF: 36.4/30

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 261.643+/-156.806 χ^2/NDF: 34.0/33

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

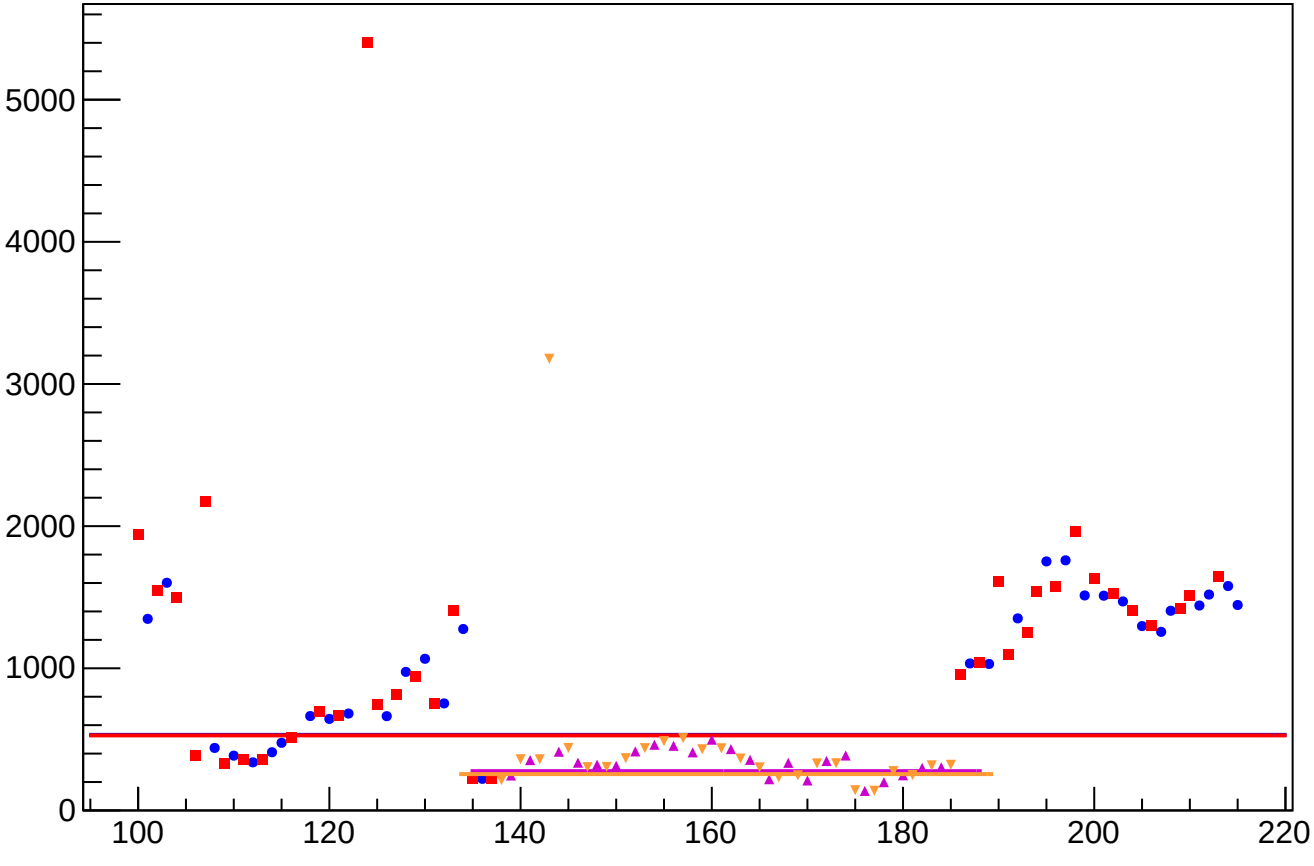
Right: -67.505+/-110.962 χ^2/NDF: 79.3/64

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -100.376+/-59.360 χ^2/NDF:84.0/58

All: -38.505+/-43.219 χ^2/NDF: 149.8/112

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 531.619+/-0.111 χ^2/NDF: 15407153.4/30

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 527.976+/-0.111 χ^2/NDF: 15088395.3/33

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

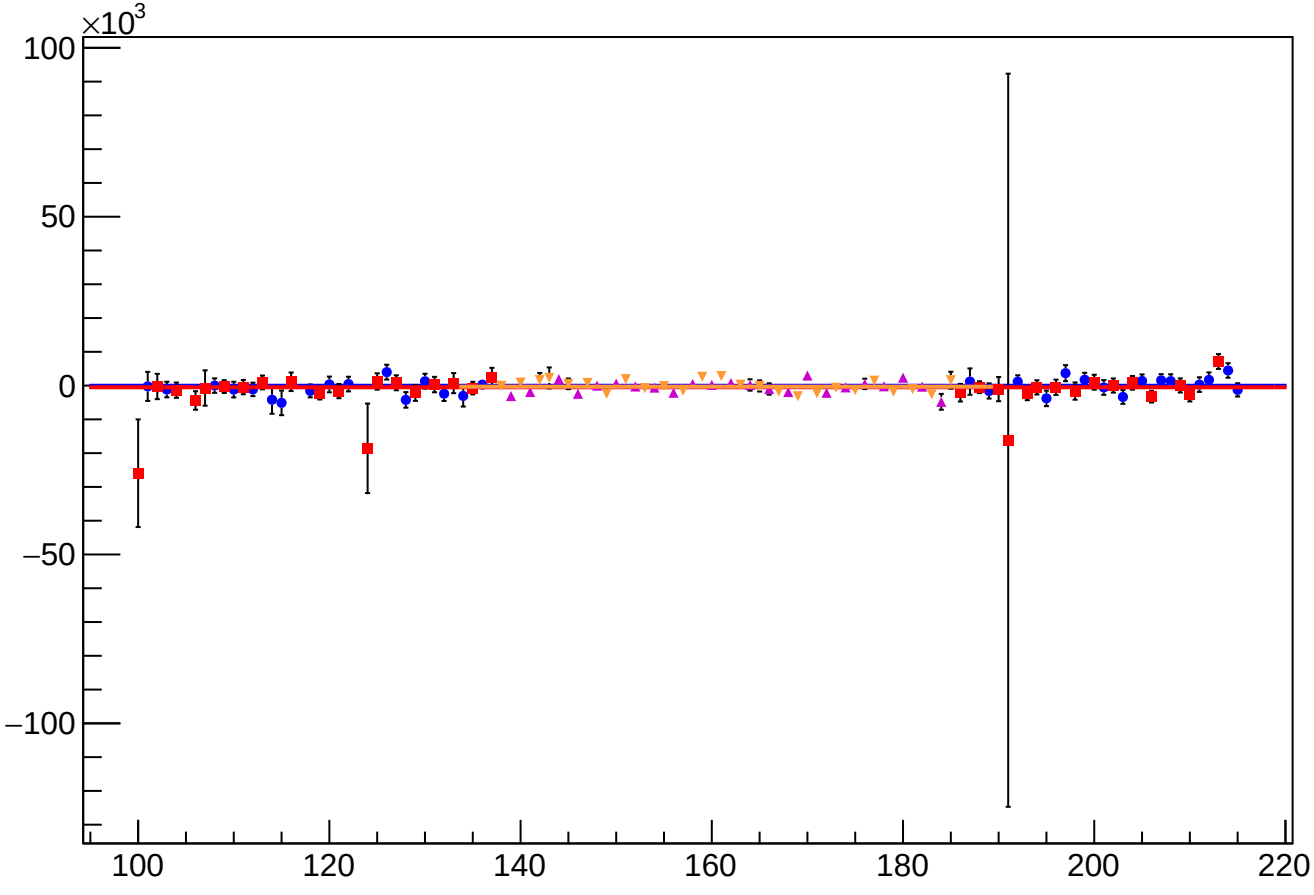
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 529.795+/-0.078 χ^2/NDF: 30496087.8/64

In: 317.453+/-0.045 χ^2/NDF:23868971.0/53

Out: 294.778+/-0.042 χ^2/NDF:26625532.0/58

All: 305.433+/-0.031 χ^2/NDF: 50631631.7/11



Right In: -46.625+/-394.422 χ^2/NDF: 30.2/30

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -497.038+/-403.674 χ^2/NDF: 29.2/33

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

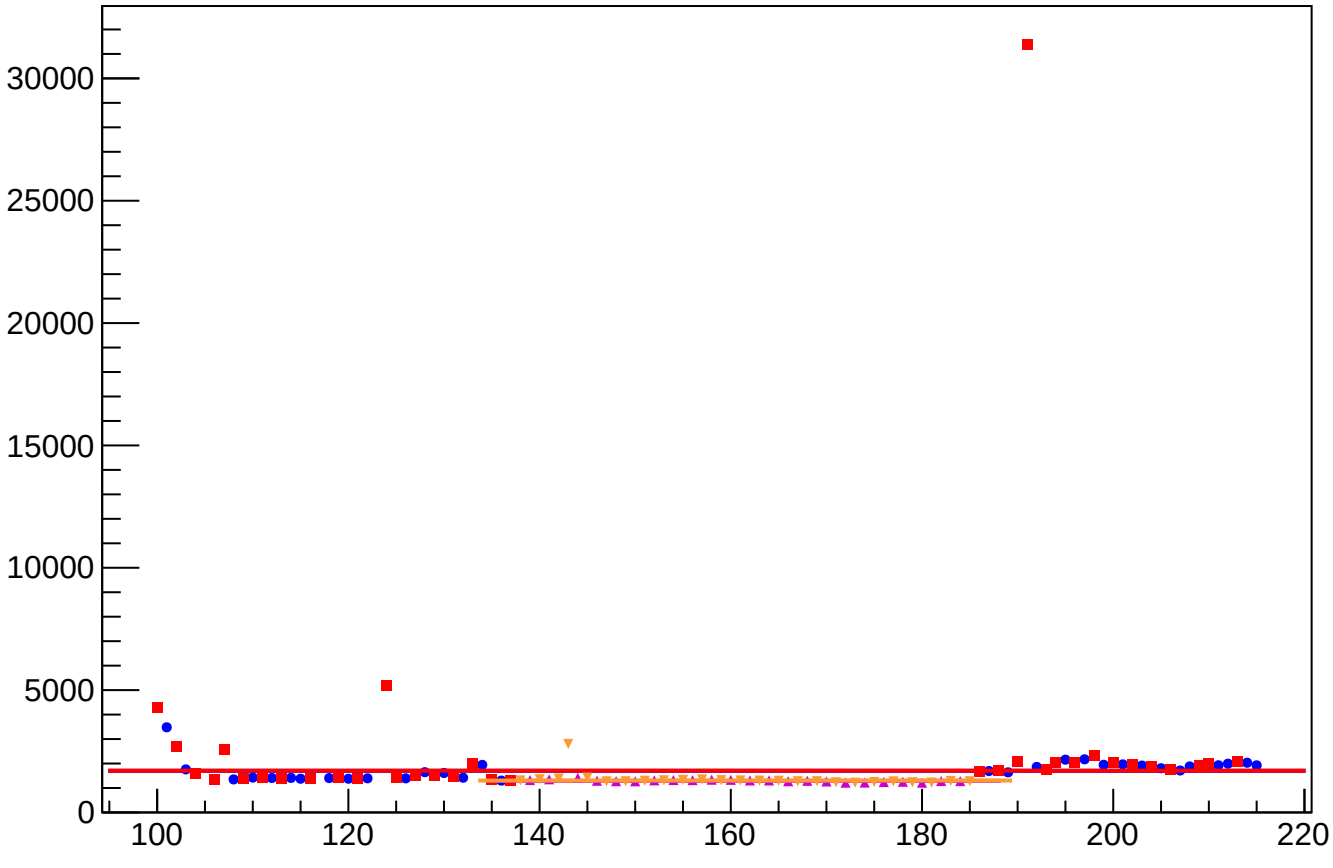
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -266.611+/-282.113 χ^2/NDF: 60.0/64

In: -241.950+/-239.735 χ^2/NDF:60.3/53

Out: -382.356+/-239.890 χ^2/NDF:60.8/58

All: -312.107+/-169.573 χ^2/NDF: 121.3/112



Right In: 1701.208+/-0.279 χ^2/NDF: 1279971.3/30

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1706.944+/-0.285 χ^2/NDF: 1505353.2/33

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

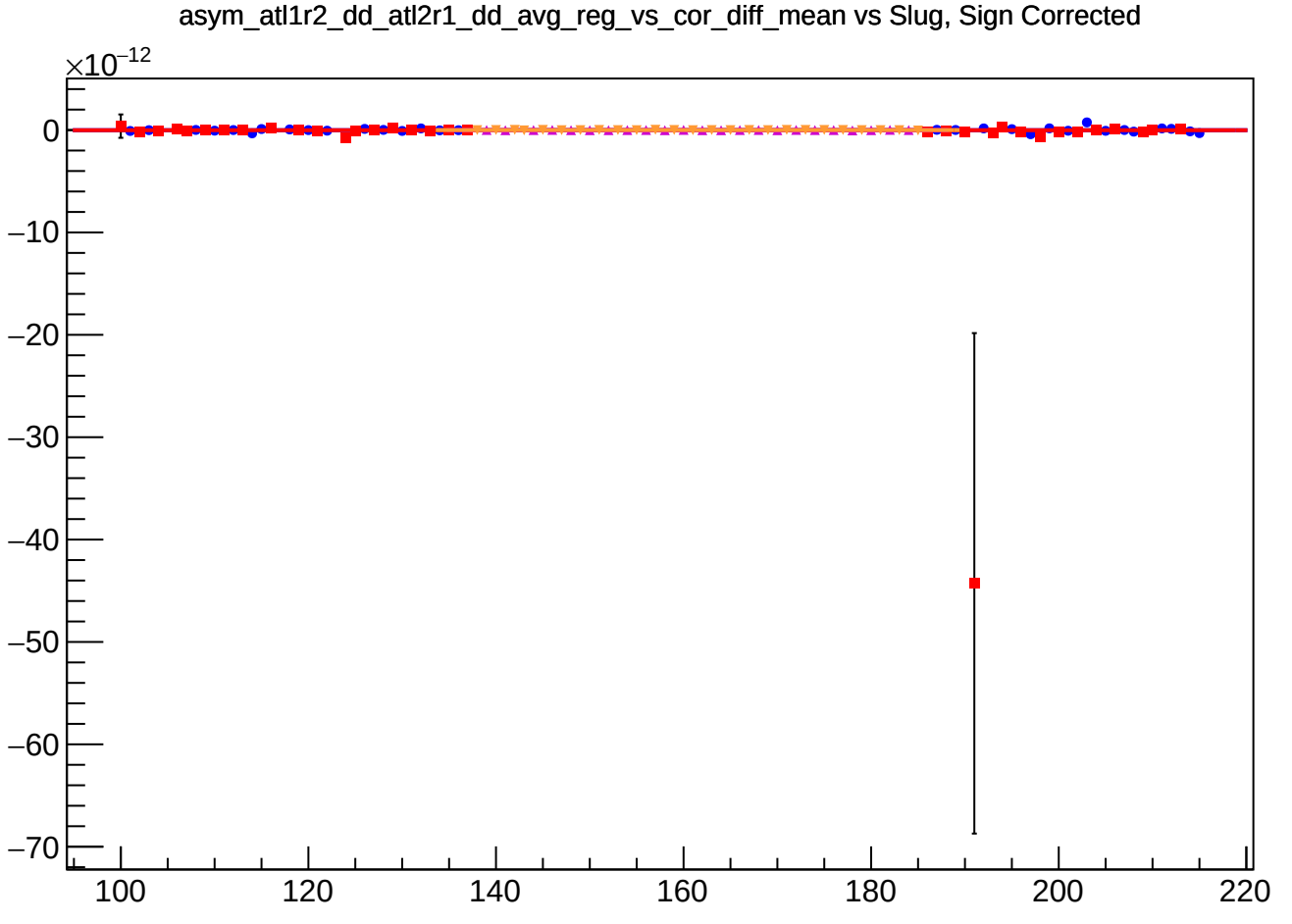
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1704.010+/-0.199 χ^2/NDF: 2785531.1/64

In: 1443.254+/-0.170 χ^2/NDF:2684952.3/53

Out: 1446.402+/-0.170 χ^2/NDF:3312990.1/58

All: 1444.827+/-0.120 χ^2/NDF: 5998114.7/11



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.6/33

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

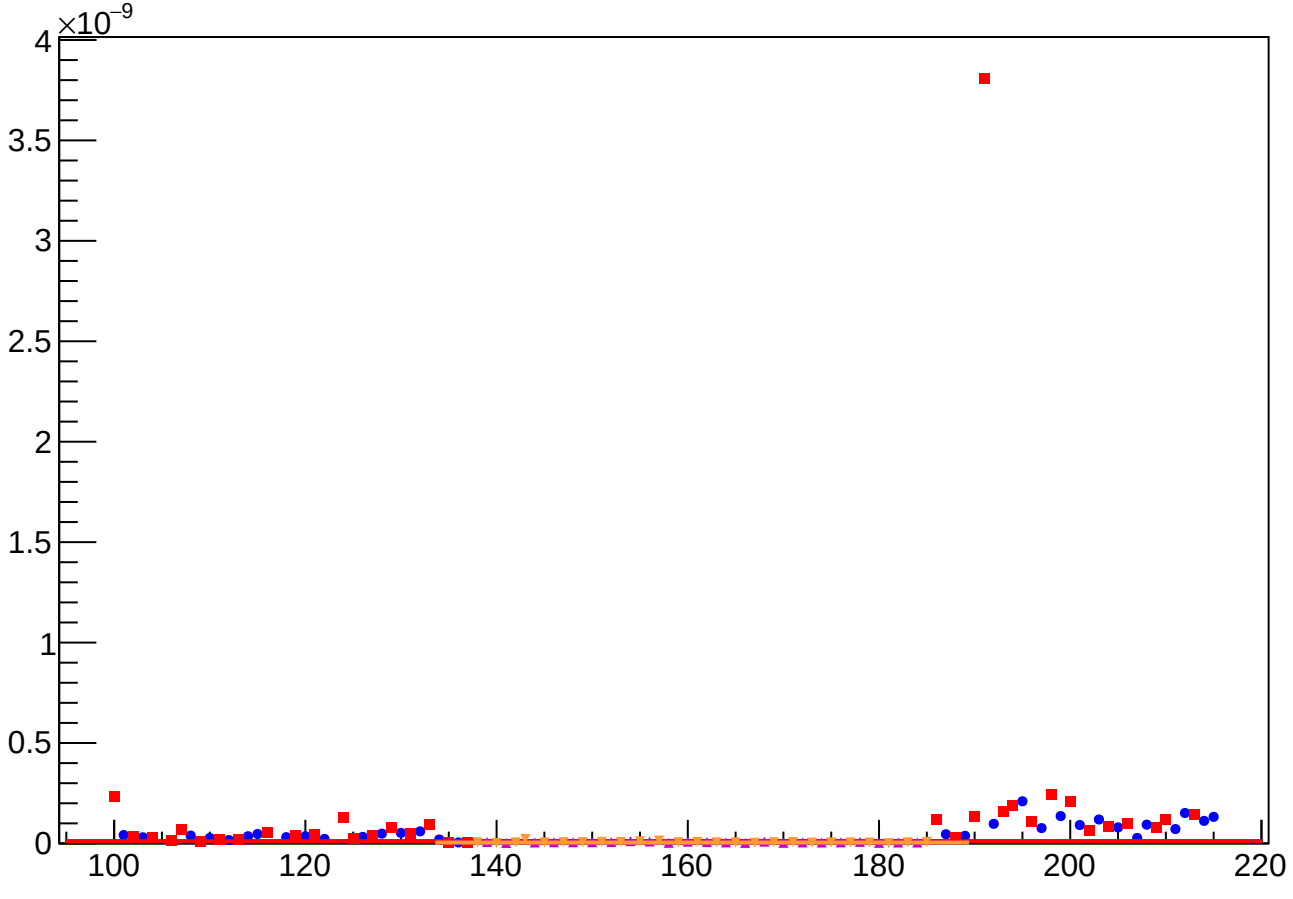
Right: -0.000+/-0.000 χ^2/NDF: 72.9/64

In: -0.000+/-0.000 χ^2/NDF:65.8/53

Out: -0.000+/-0.000 χ^2/NDF:65.9/58

All: -0.000+/-0.000 χ^2/NDF: 132.1/112

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10219502.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11325002.2/33

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

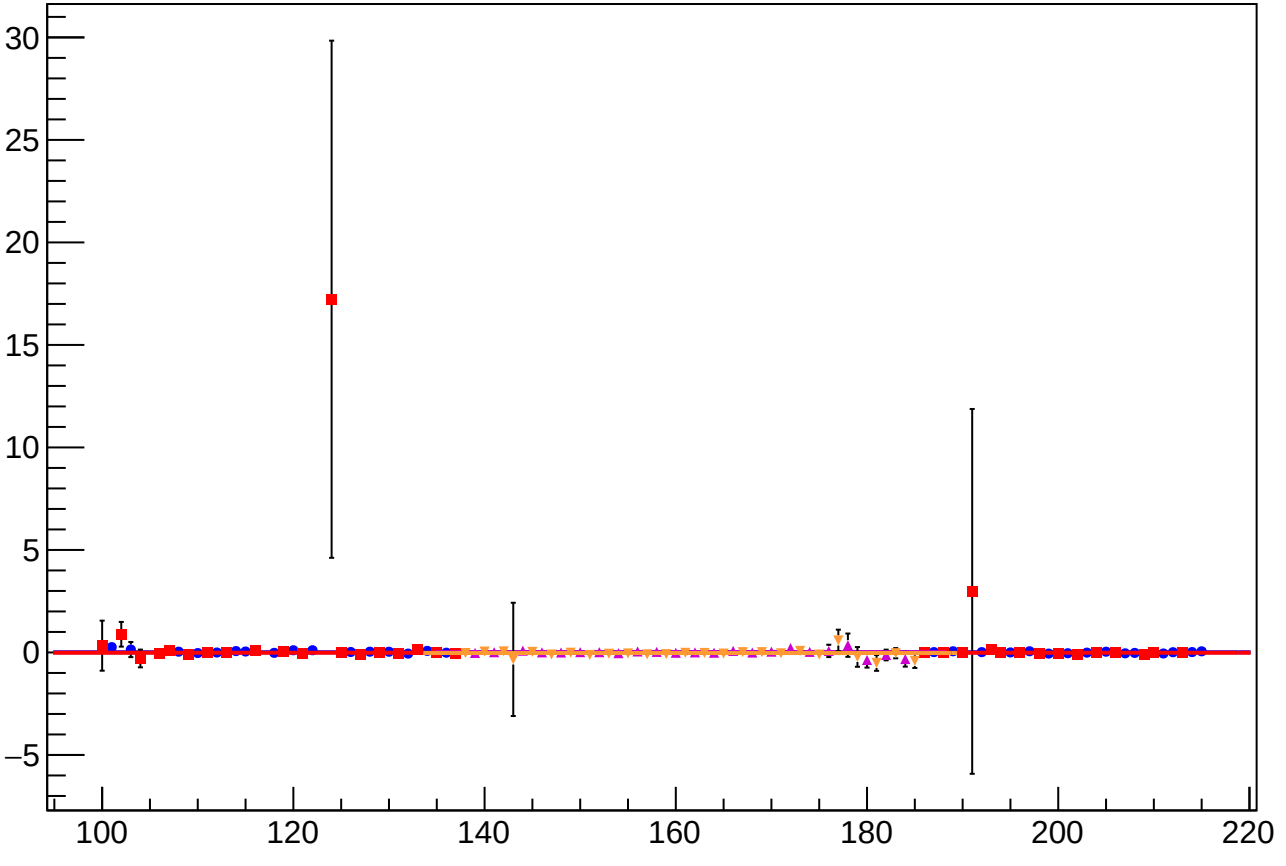
Right: 0.000+/-0.000 χ^2/NDF: 21546954.4/64

In: 0.000+/-0.000 χ^2/NDF:13293983.0/53

Out: 0.000+/-0.000 χ^2/NDF:15324544.1/58

All: 0.000+/-0.000 χ^2/NDF: 28651858.1/112

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

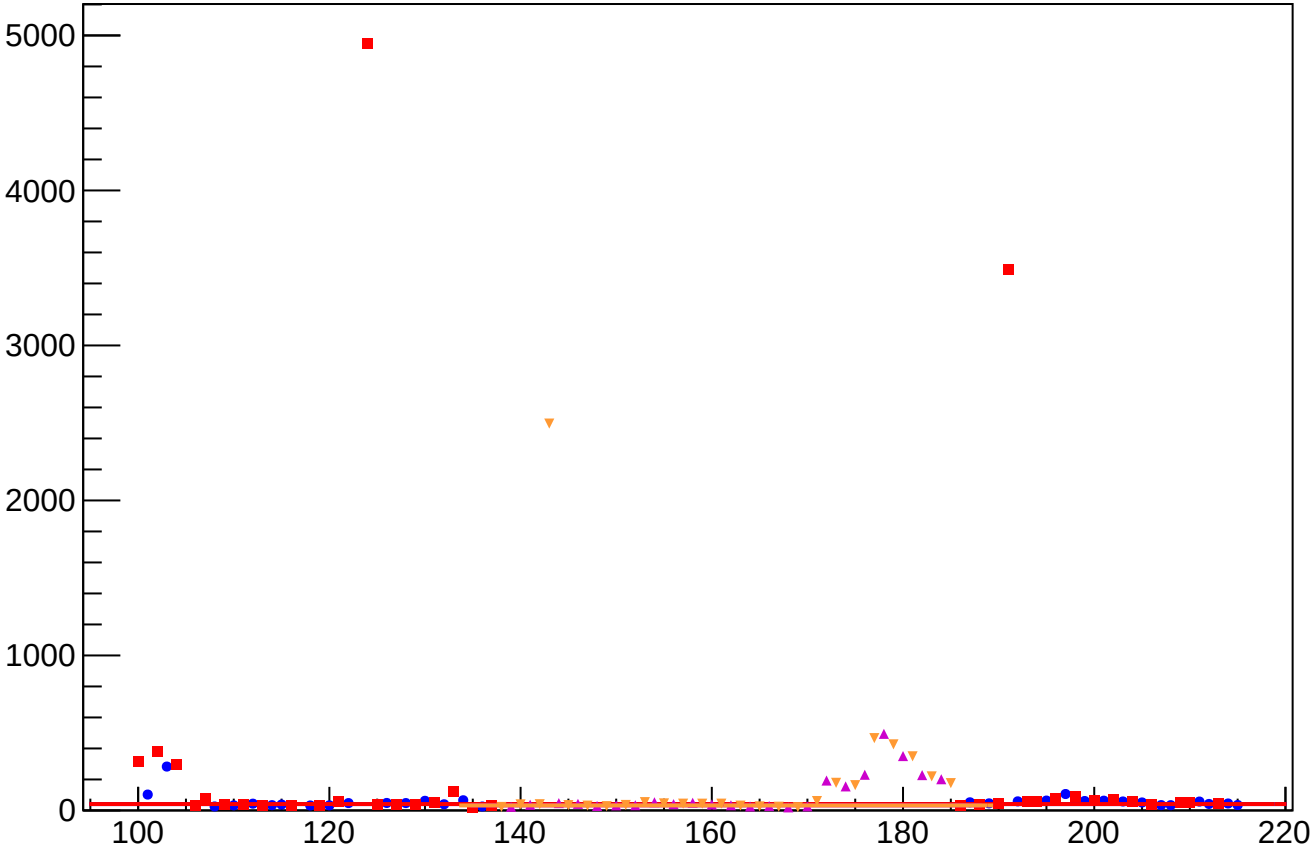
Right: -0.002+/-0.008 χ^2/NDF: 47.5/64

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.006+/-0.005 χ^2/NDF: 97.5/112

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.215+/-0.008 χ^2/NDF: 4315118.2/30

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 41.281+/-0.008 χ^2/NDF: 5523442.3/33

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

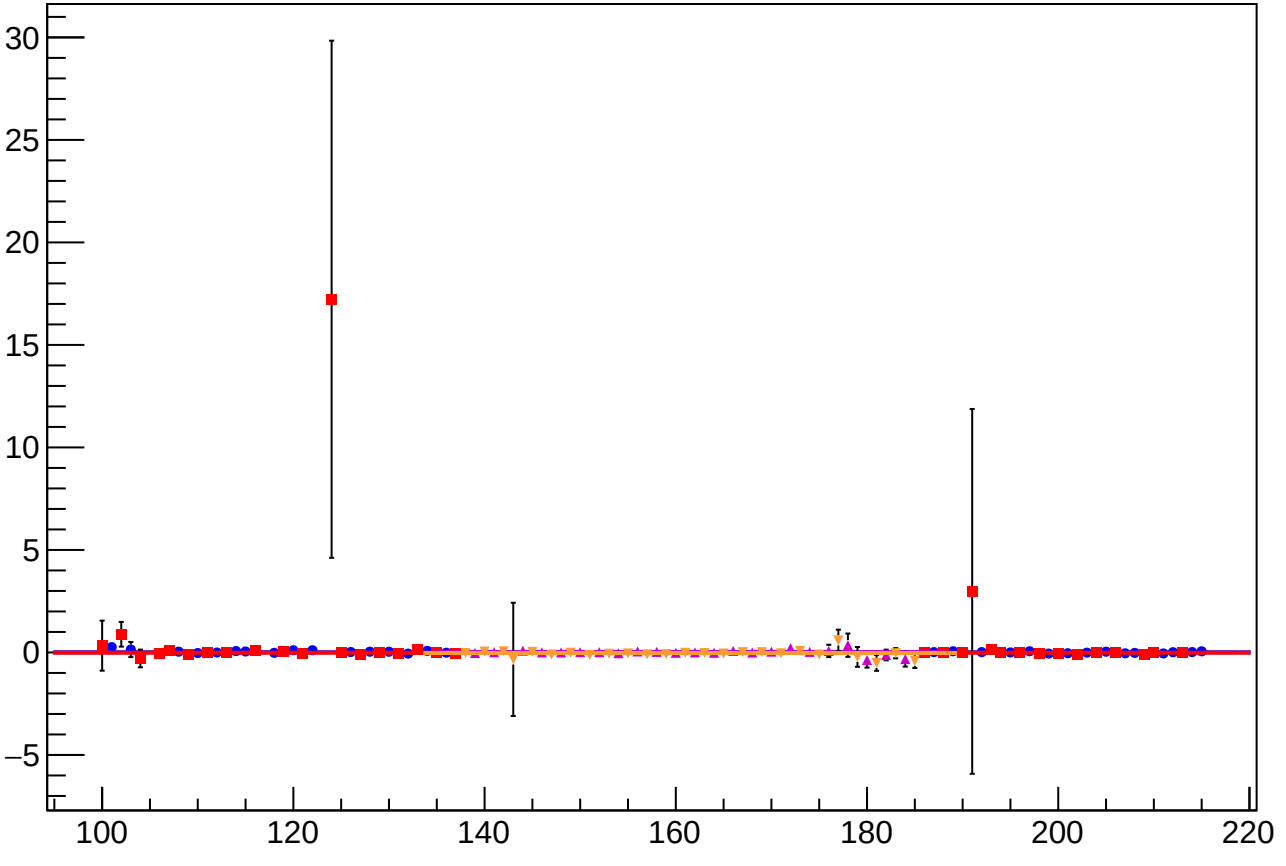
Right: 41.247+/-0.005 χ^2/NDF: 9838598.0/64

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.388+/-0.004 χ^2/NDF: 31098937.9/112

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

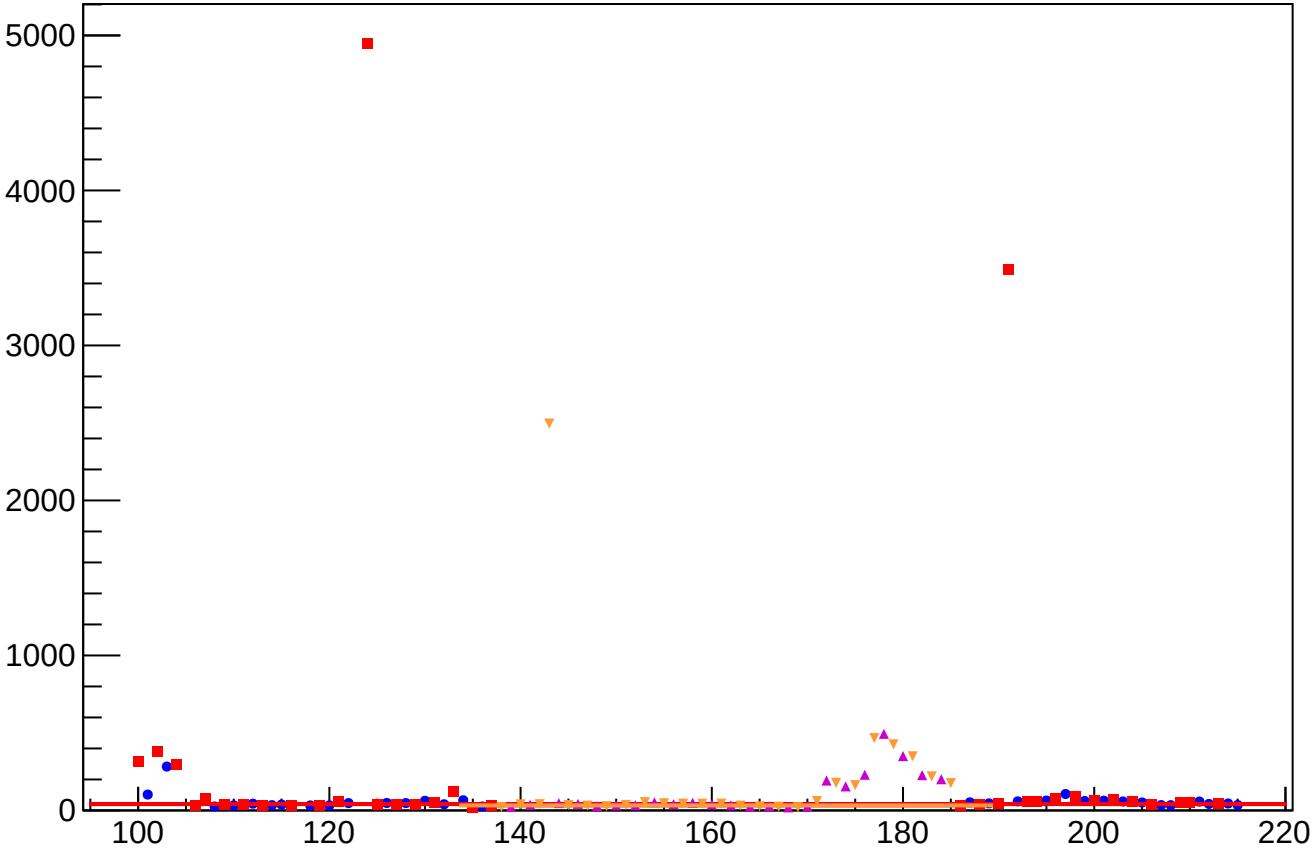
Right: -0.002+/-0.008 χ^2/NDF: 47.5/64

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.006+/-0.005 χ^2/NDF: 97.5/112

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.215+/-0.008 χ^2/NDF: 4315118.2/30

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 41.281+/-0.008 χ^2/NDF: 5523442.3/33

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

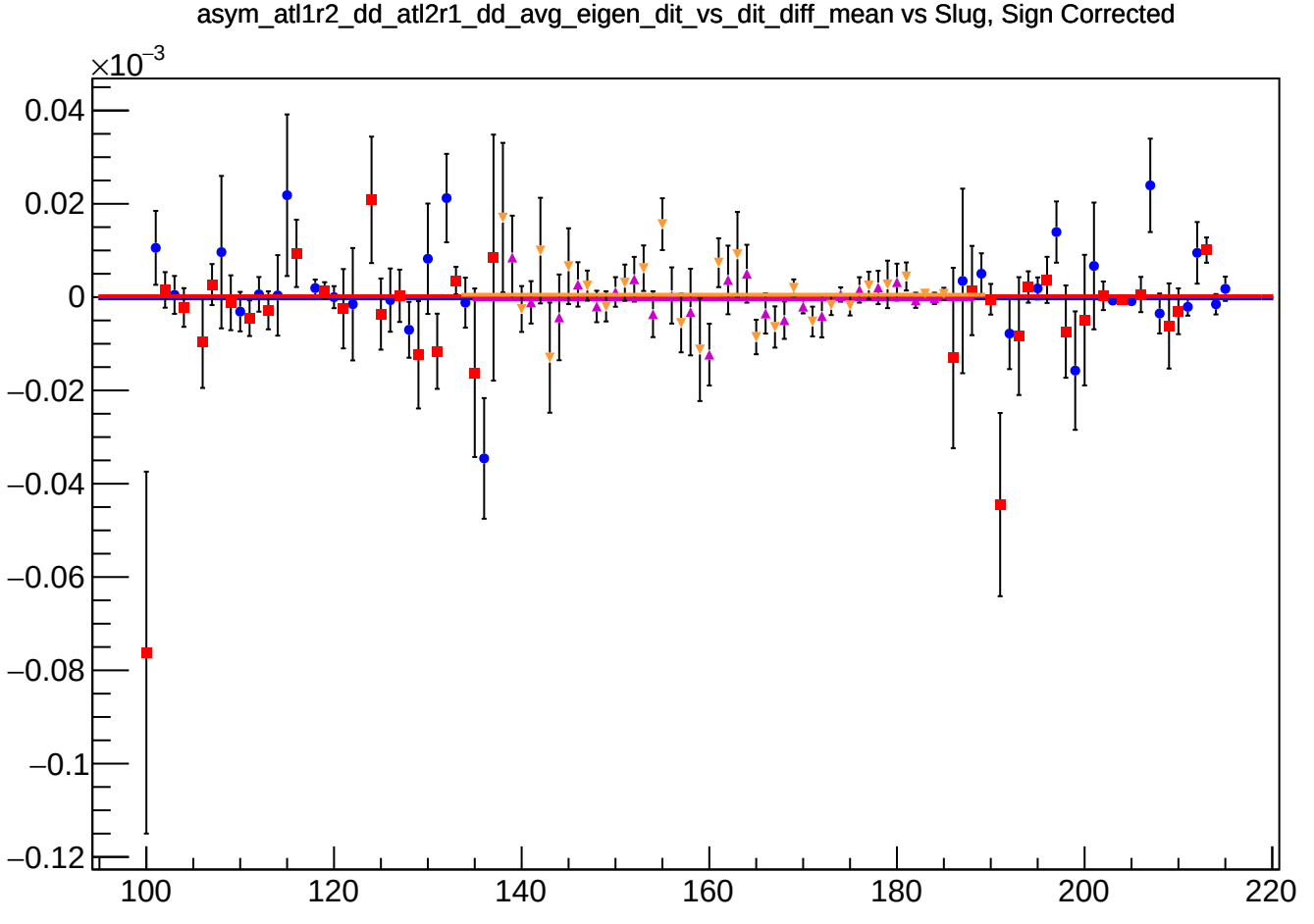
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.247+/-0.005 χ^2/NDF: 9838598.0/64

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.280+/-0.005 χ^2/NDF:17114204.2/58

All: 36.388+/-0.004 χ^2/NDF: 31098937.9/112



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.9/33

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

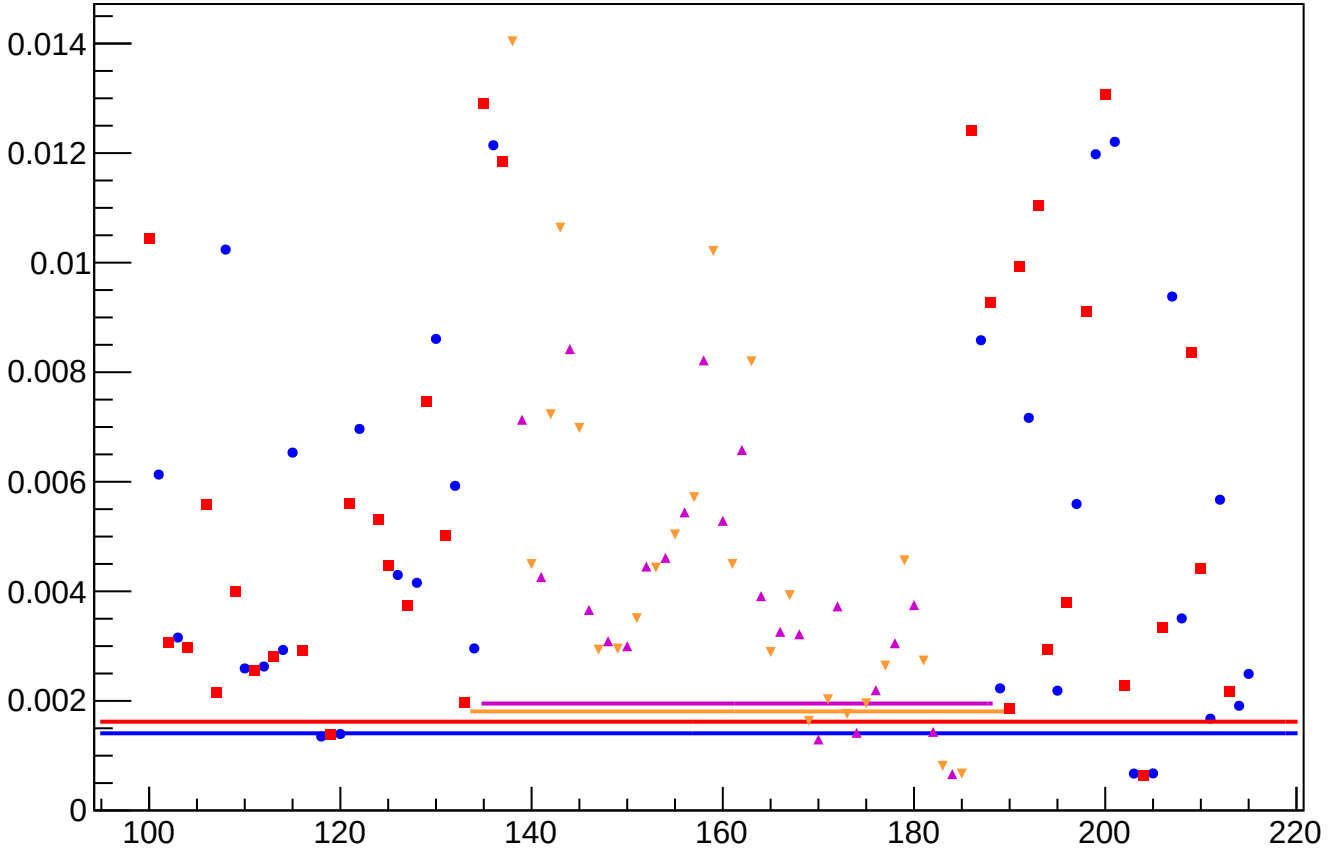
Right: -0.000+/-0.000 χ^2/NDF: 82.1/64

In: -0.000+/-0.000 χ^2/NDF:54.6/53

Out: 0.000+/-0.000 χ^2/NDF:76.8/58

All: -0.000+/-0.000 χ^2/NDF: 133.0/112

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: 17302056.9/30

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 17282679.3/33

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

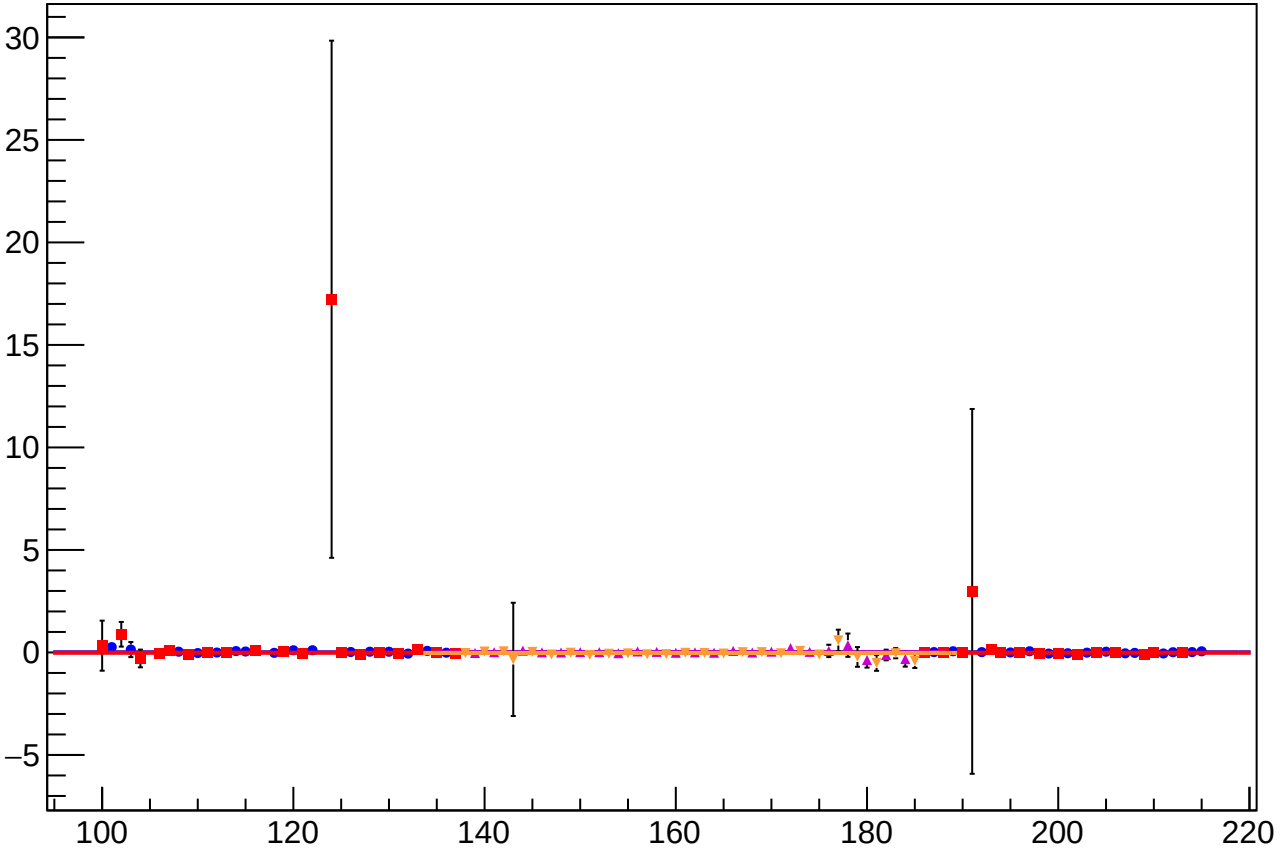
Right: 0.001+/-0.000 χ^2/NDF: 34756031.0/64

In: 0.002+/-0.000 χ^2/NDF:29815586.4/53

Out: 0.002+/-0.000 χ^2/NDF:32341364.6/58

All: 0.002+/-0.000 χ^2/NDF: 62216155.8/112

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

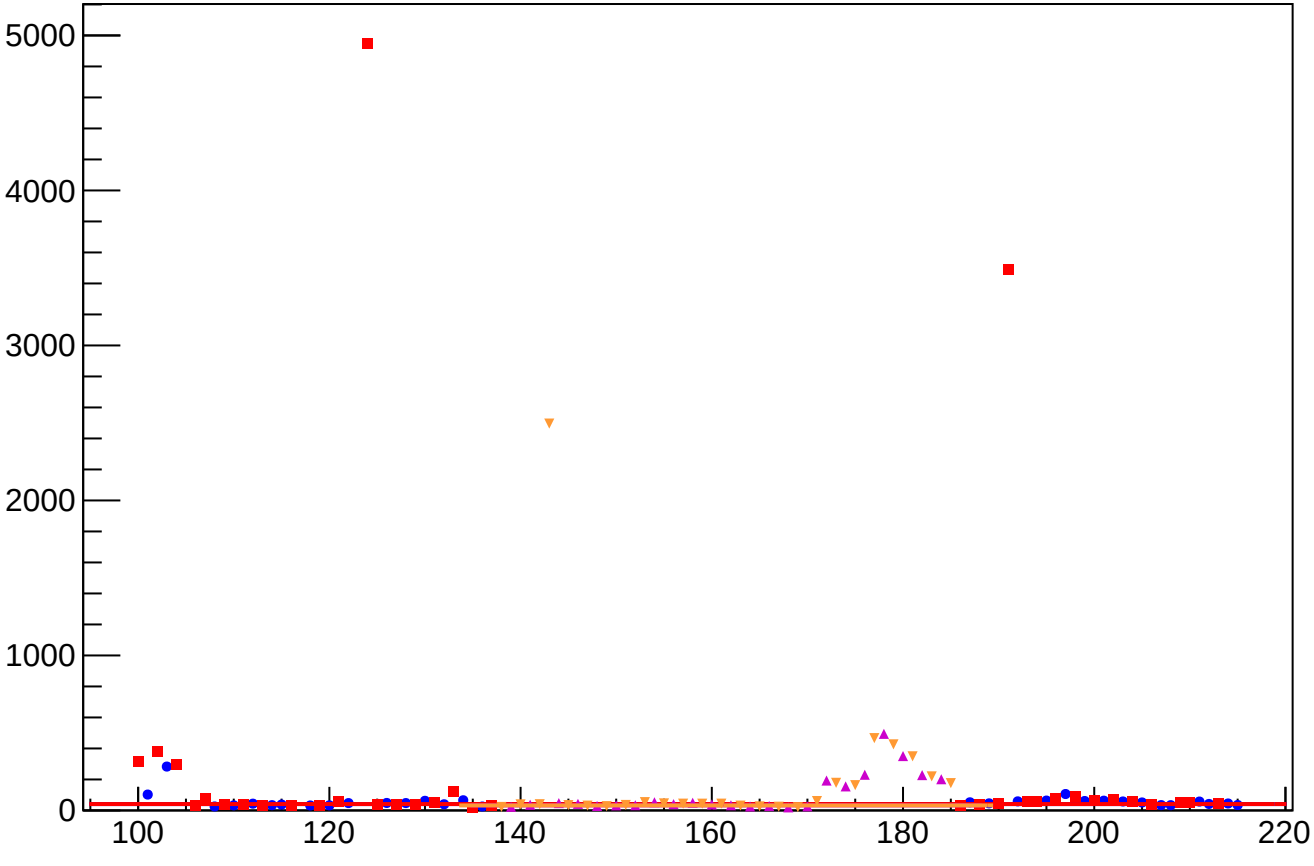
Right: -0.002+/-0.008 χ^2/NDF: 47.5/64

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.006+/-0.005 χ^2/NDF: 97.5/112

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.215+/-0.008 χ^2/NDF: 4314755.1/30

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.281+/-0.008 χ^2/NDF: 5523237.2/33

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

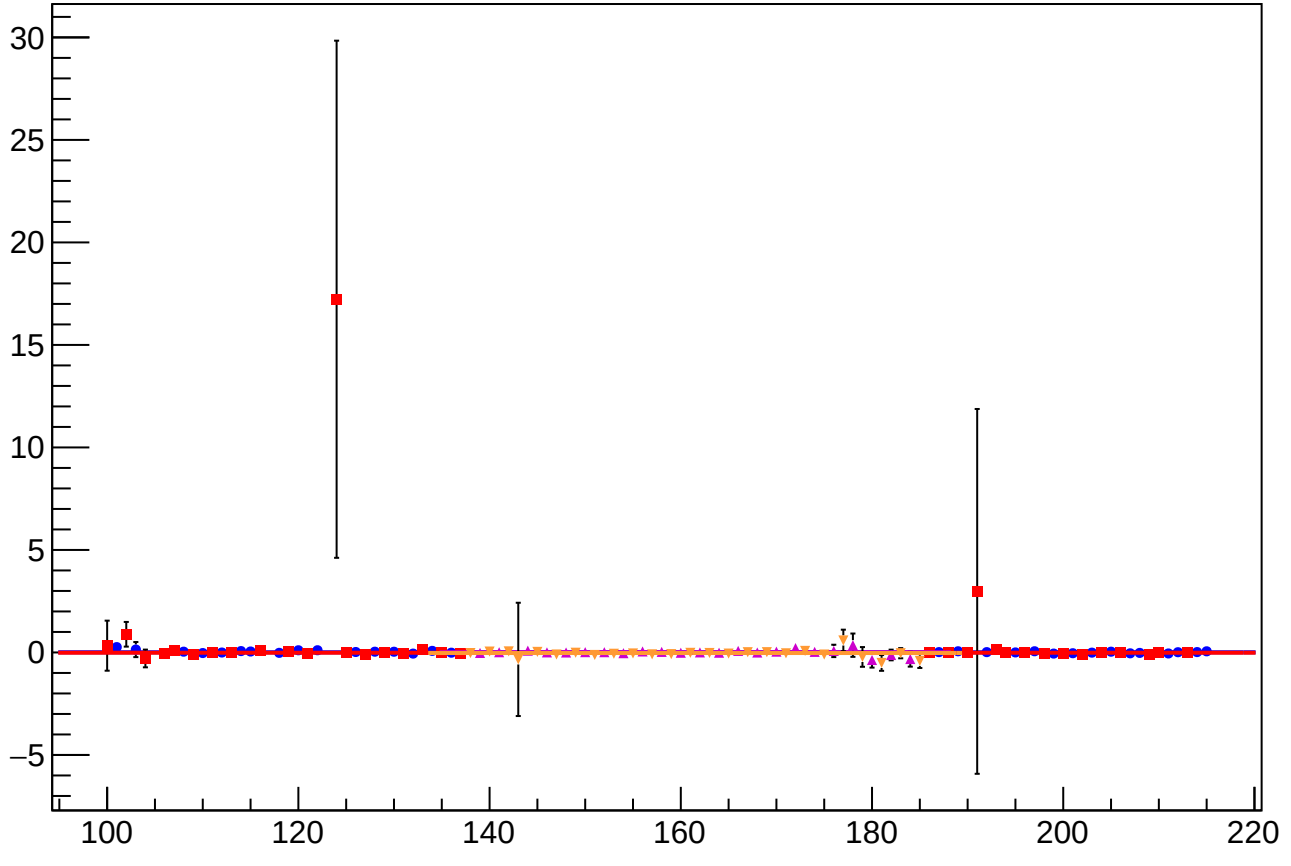
Right: 41.247+/-0.005 χ^2/NDF: 9838029.7/64

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.388+/-0.004 χ^2/NDF: 31099568.0/112

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

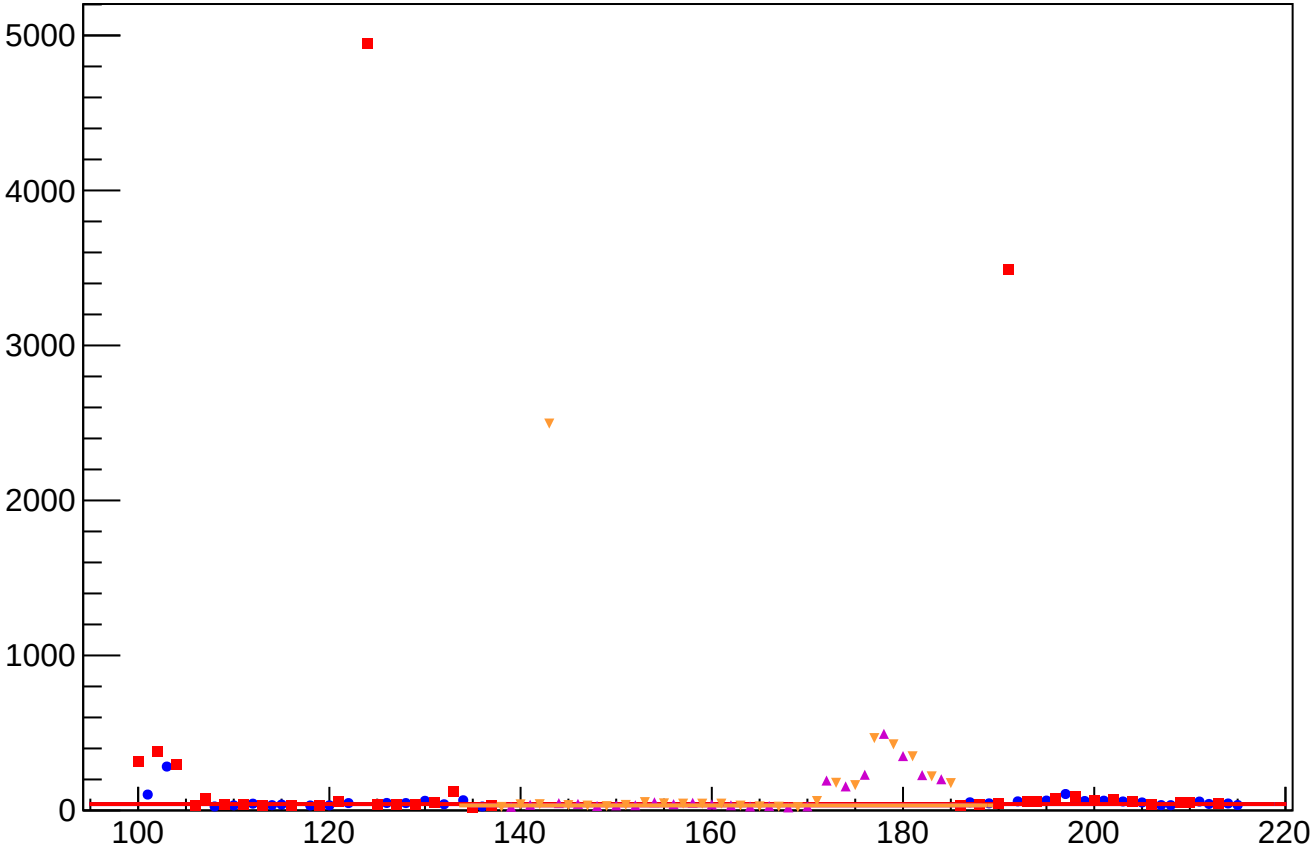
Right: -0.002+/-0.008 χ^2/NDF: 47.5/64

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.0/58

All: -0.006+/-0.005 χ^2/NDF: 97.5/112

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.215+/-0.008 χ^2/NDF: 4314755.1/30

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.281+/-0.008 χ^2/NDF: 5523237.2/33

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

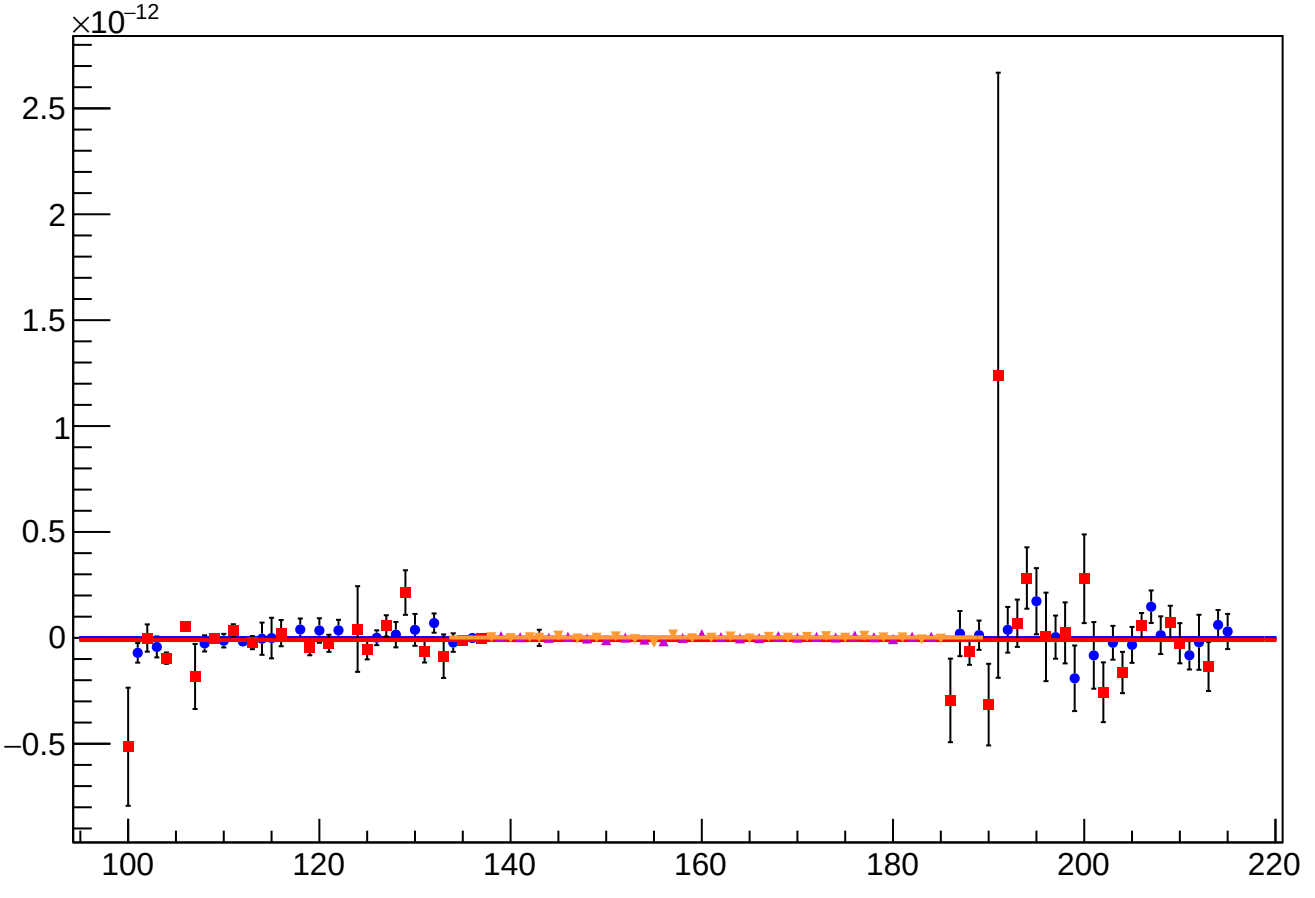
Right: 41.247+/-0.005 χ^2/NDF: 9838029.7/64

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.280+/-0.005 χ^2/NDF:17114302.3/58

All: 36.388+/-0.004 χ^2/NDF: 31099568.0/112

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: 18.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 61.5/33

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

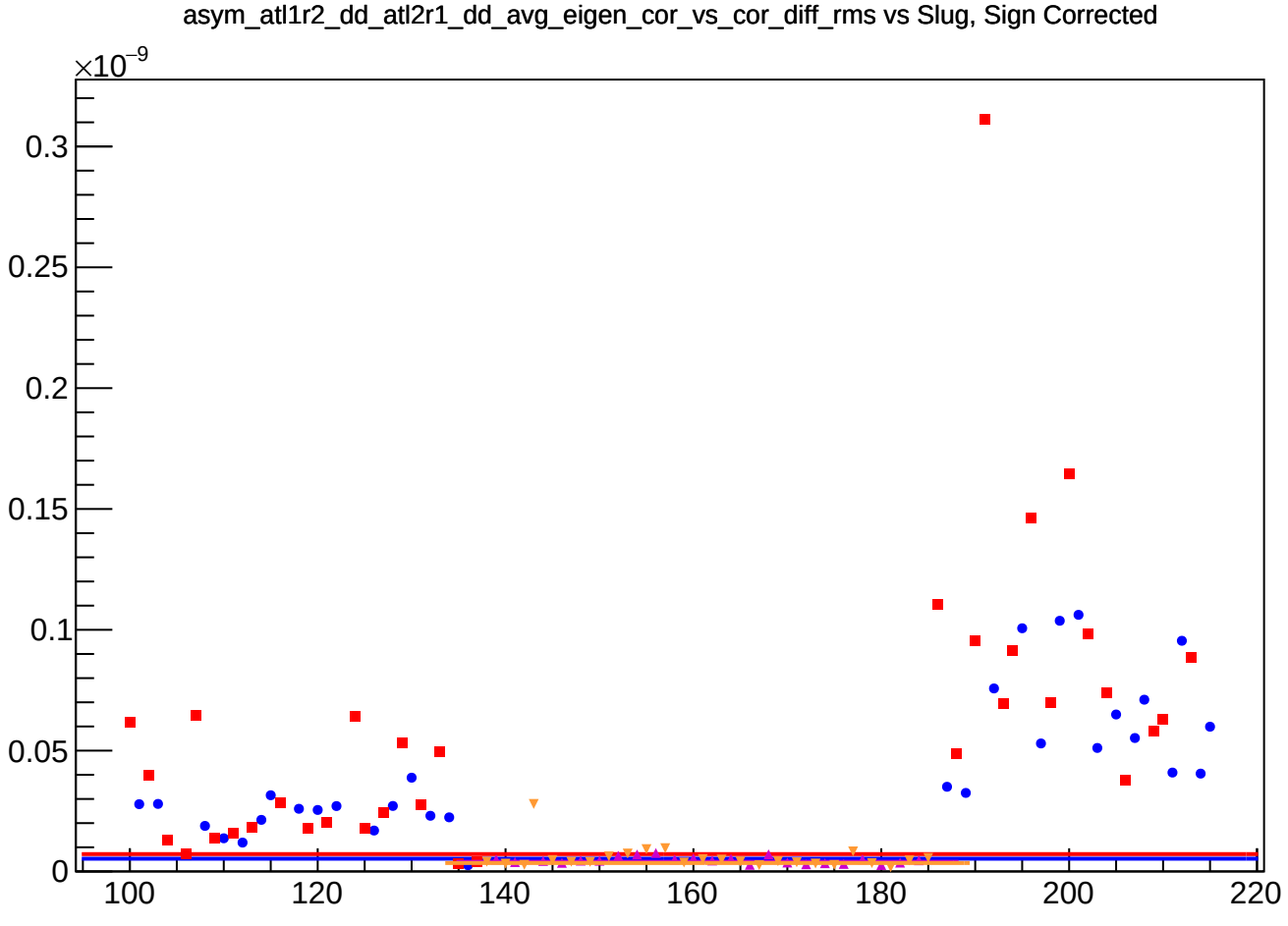
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

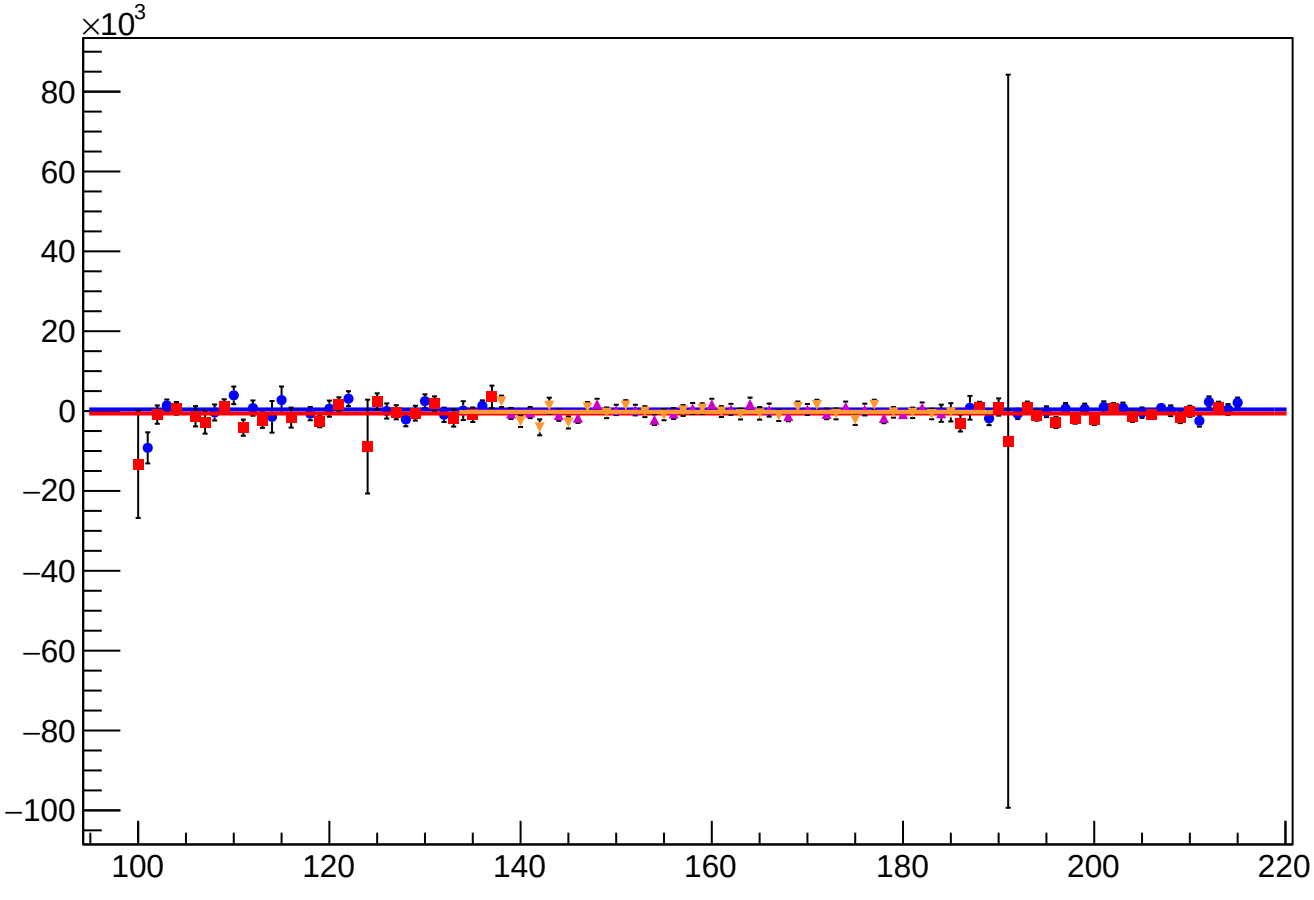
Right: -0.000+/-0.000 χ^2/NDF: 82.8/64

In: 0.000+/-0.000 χ^2/NDF:47.3/53

Out: 0.000+/-0.000 χ^2/NDF:87.4/58

All: 0.000+/-0.000 χ^2/NDF: 134.7/112


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: 15898013.8/30
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 15413887.2/33
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: 31566699.4/64
In: 0.000+/-0.000 χ²/NDF:18237421.7/53
Out: 0.000+/-0.000 χ²/NDF:21599697.2/58
All: 0.000+/-0.000 χ²/NDF: 39972180.3/112



Right In: 411.603+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -610.508+/-296.068 χ^2/NDF: 29.5/33

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

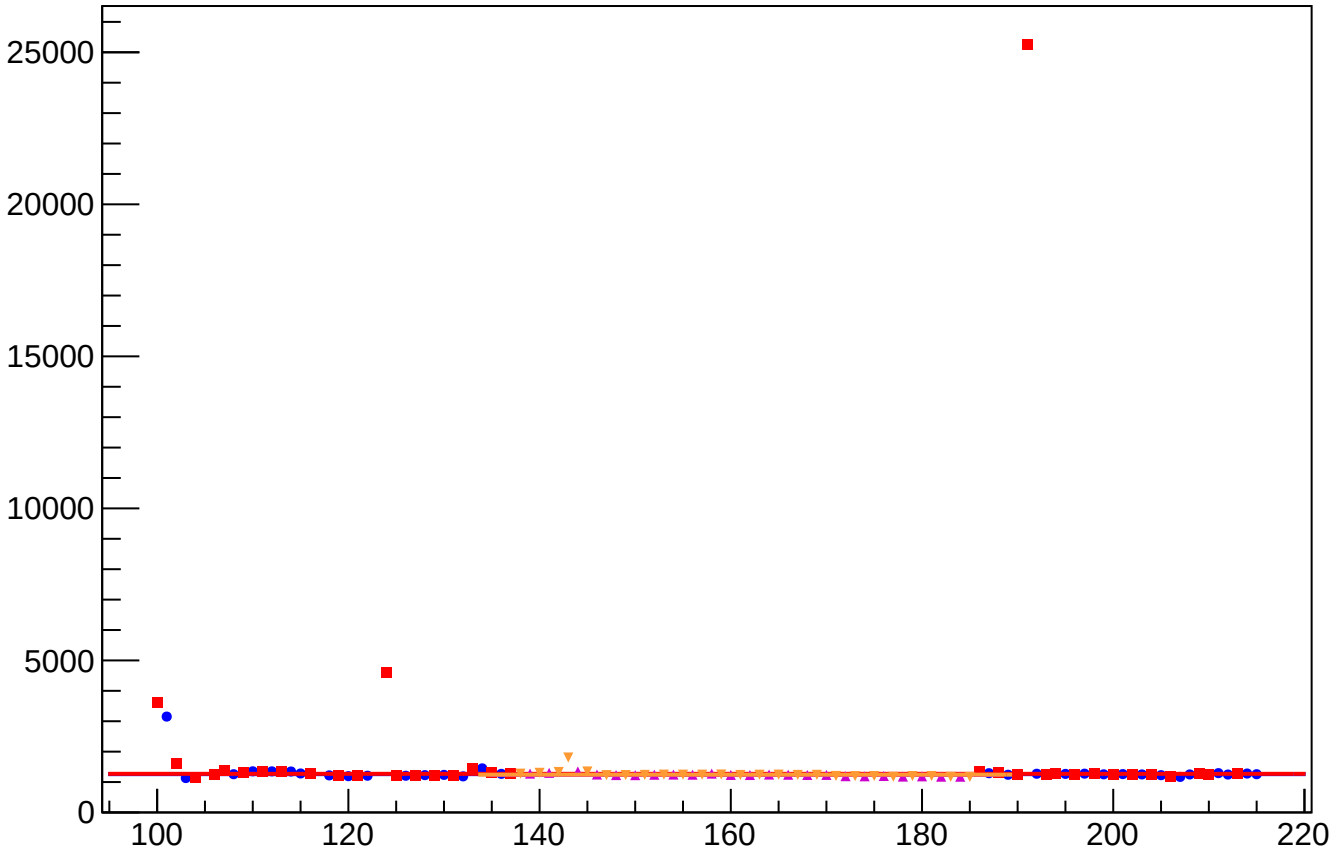
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -87.030+/-206.791 χ^2/NDF: 63.8/64

In: 158.955+/-204.061 χ^2/NDF:44.4/53

Out: -406.860+/-204.596 χ^2/NDF:54.3/58

All: -123.212+/-144.482 χ^2/NDF: 102.6/112



Right In: 1259.920+/-0.204 χ^2/NDF: 535655.7/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.368+/-0.209 χ^2/NDF: 486683.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

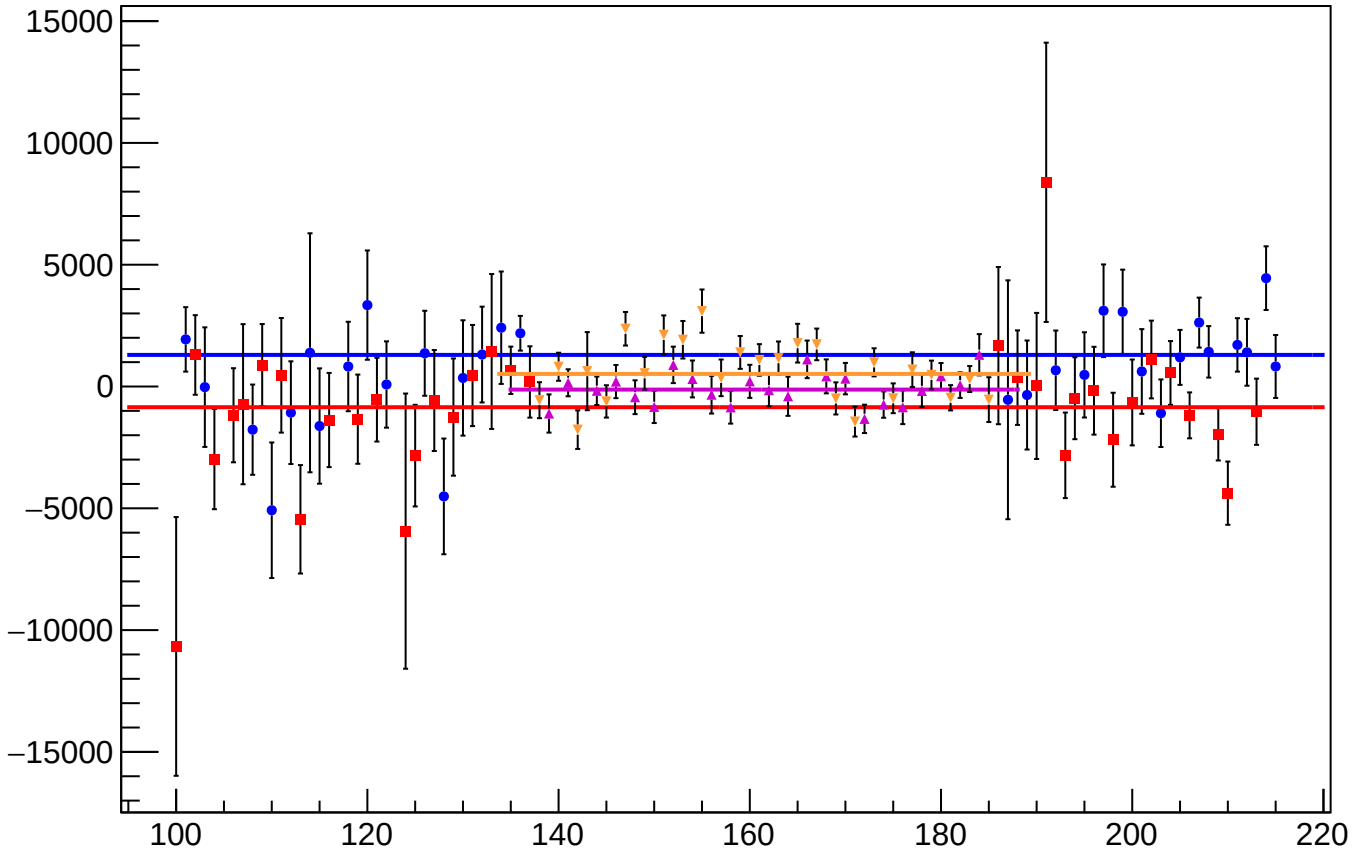
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1265.017+/-0.146 χ^2/NDF: 1023615.0/64

In: 1246.803+/-0.144 χ^2/NDF:583159.8/53

Out: 1255.978+/-0.145 χ^2/NDF:699026.2/58

All: 1251.378+/-0.102 χ^2/NDF: 1284202.3/11



Right In: 1297.622+/-276.313 χ^2/NDF: 34.5/30

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -849.942+/-296.847 χ^2/NDF: 34.6/33

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

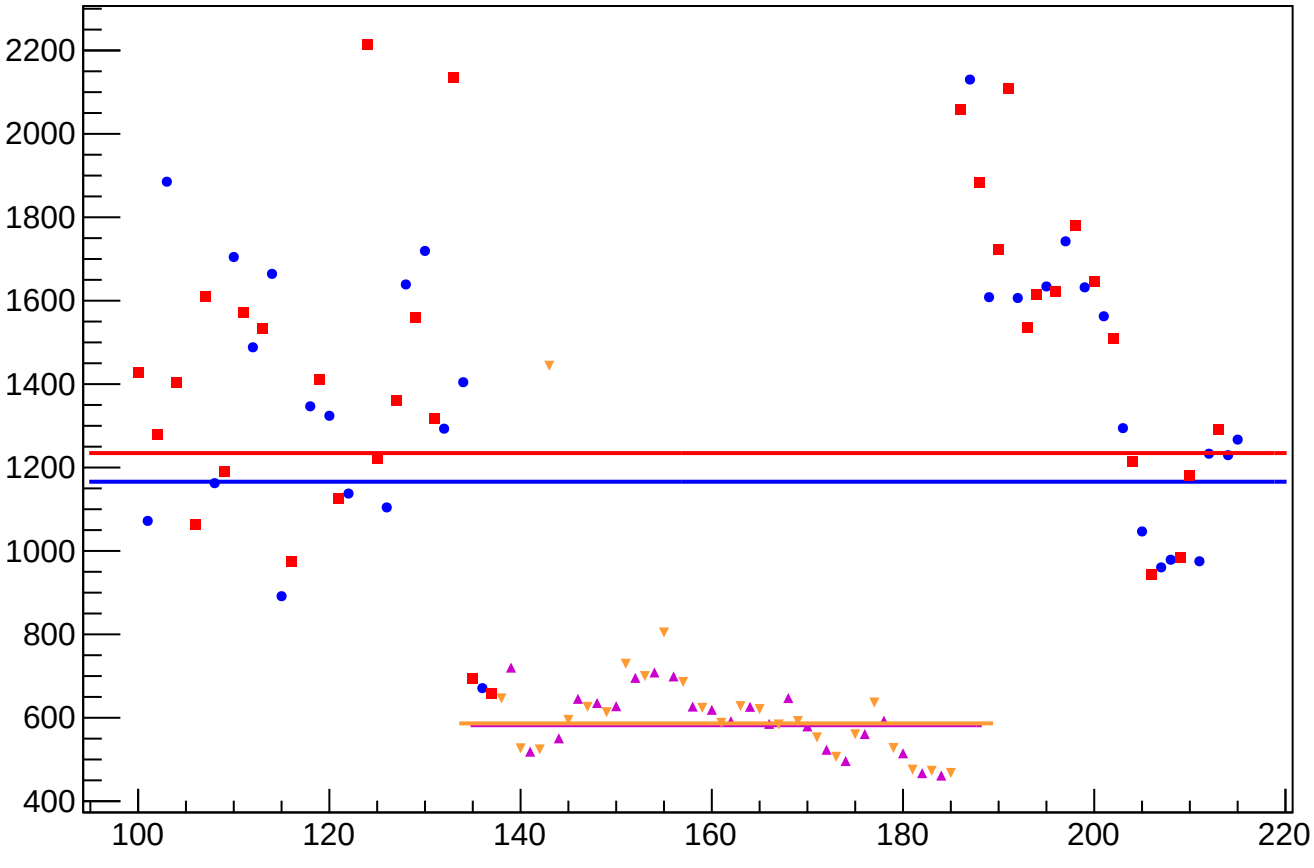
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 300.680+/-202.253 χ^2/NDF: 97.1/64

In: 155.334+/-122.933 χ^2/NDF:77.4/53

Out: 280.415+/-123.451 χ^2/NDF:119.1/58

All: 217.612+/-87.109 χ^2/NDF: 197.0/112



Right In: 1165.972+/-0.195 χ^2/NDF: 2707490.2/30

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1234.671+/-0.210 χ^2/NDF: 2737754.5/33

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

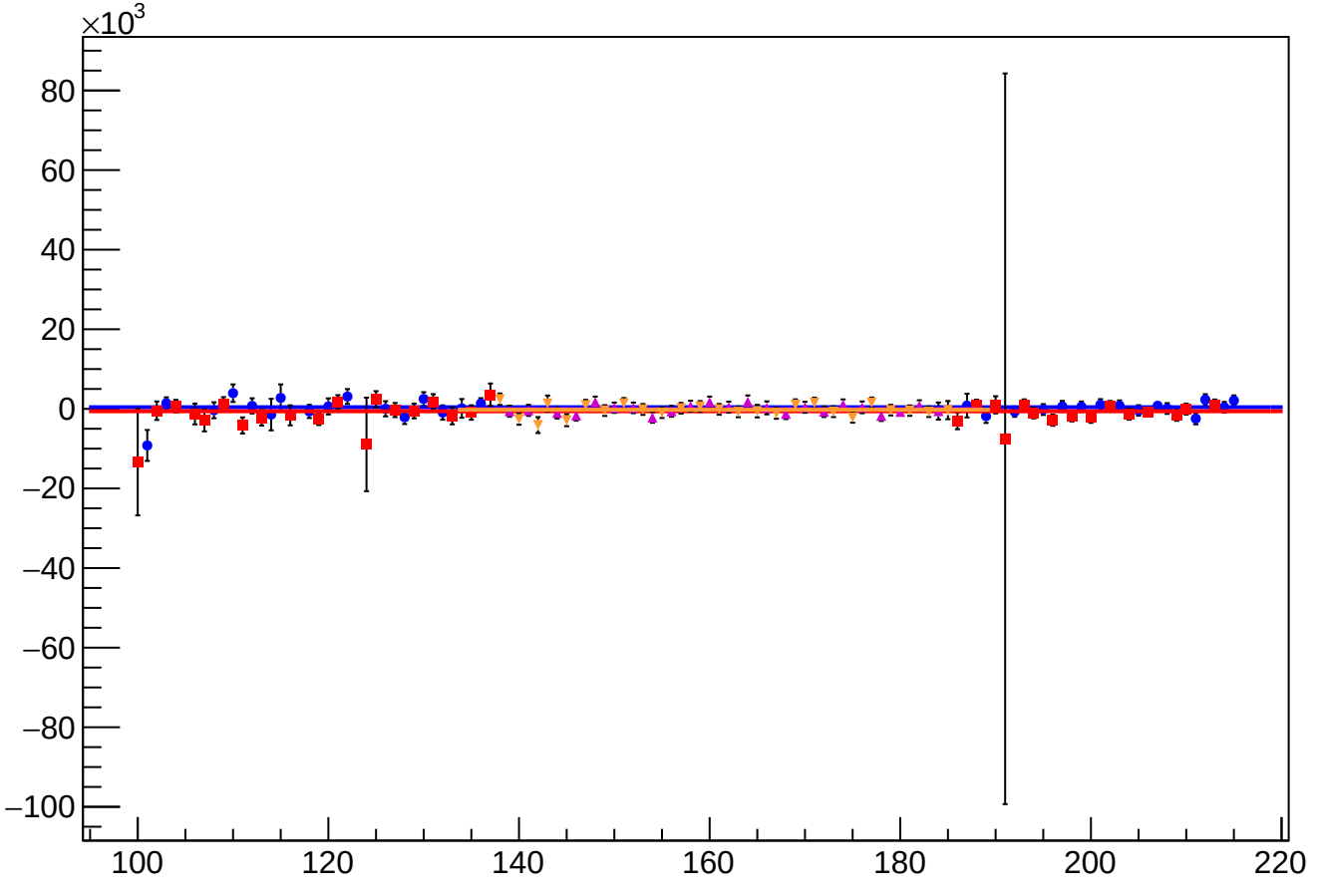
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1197.864+/-0.143 χ^2/NDF: 5502636.7/64

In: 697.744+/-0.087 χ^2/NDF:10427132.1/53

Out: 698.649+/-0.087 χ^2/NDF:11825621.9/58

All: 698.194+/-0.062 χ^2/NDF: 22252807.9/1



Right In: 411.786+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -602.837+/-296.258 χ^2/NDF: 29.5/33

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

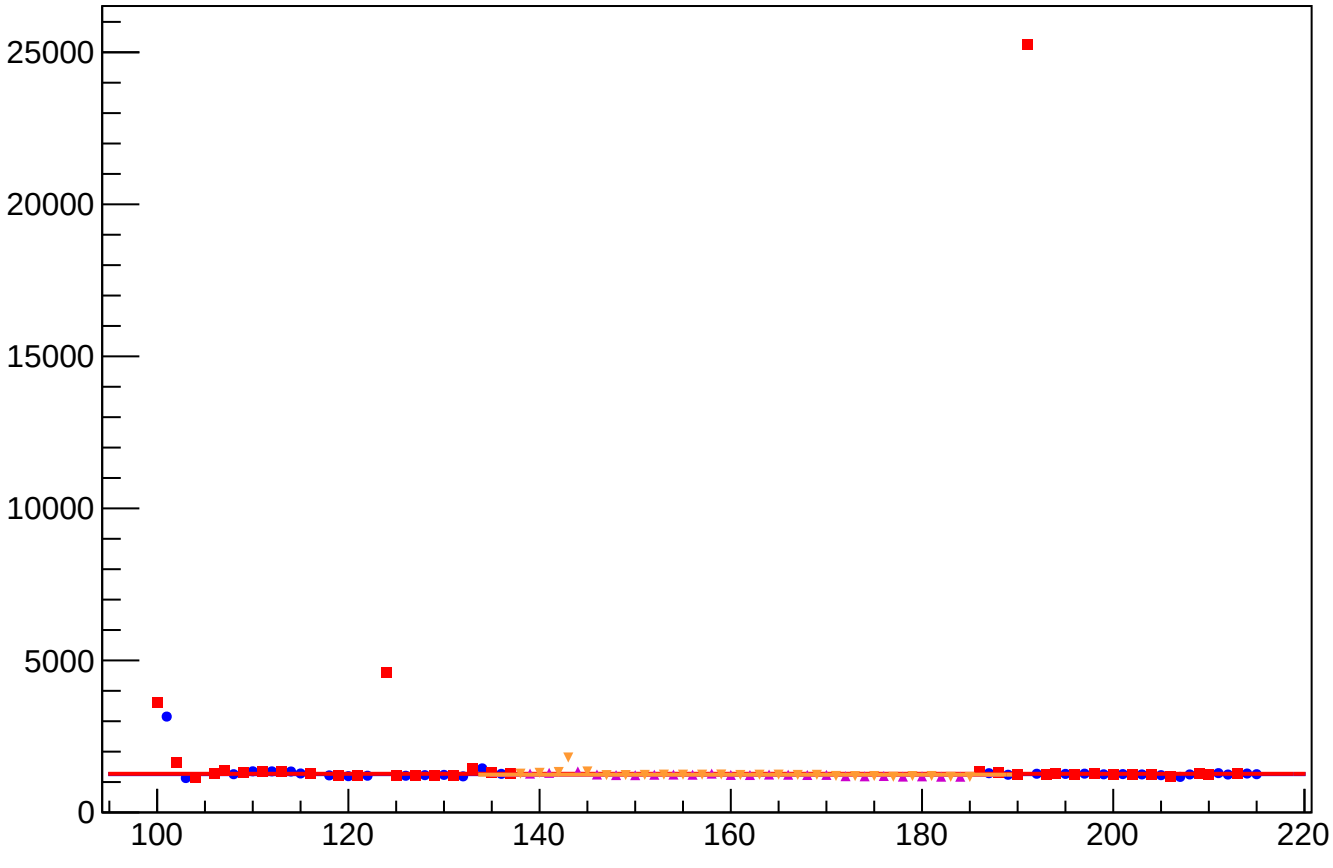
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -82.867+/-206.856 χ^2/NDF: 63.7/64

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -121.219+/-144.504 χ^2/NDF: 102.5/112



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.220+/-0.209 χ^2/NDF: 493838.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

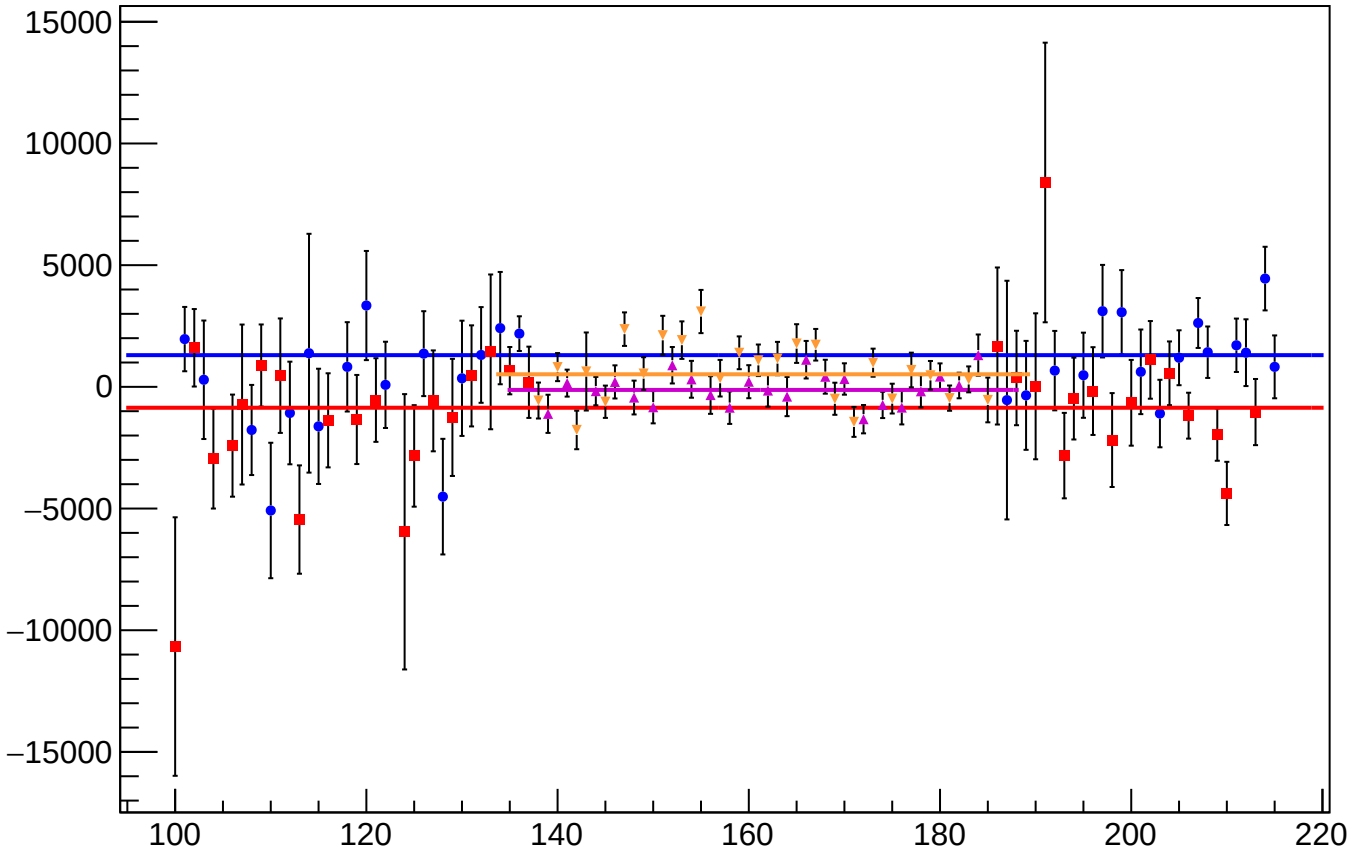
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.429+/-0.146 χ^2/NDF: 1030986.8/64

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.575+/-0.102 χ^2/NDF: 1292098.0/11



Right In: 1302.736+/-276.264 χ^2/NDF: 34.4/30

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -858.389+/-297.110 χ^2/NDF: 35.7/33

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

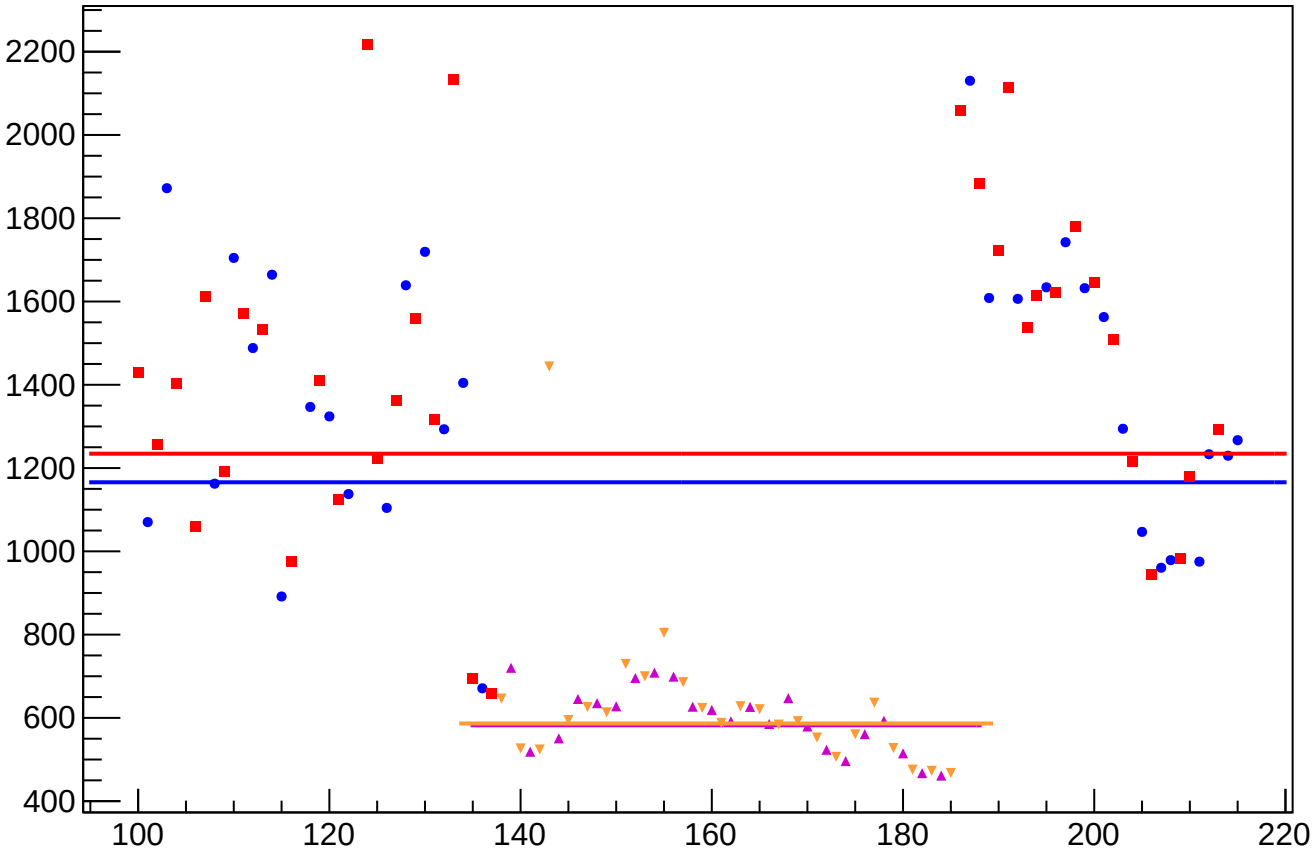
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 300.641+/-202.317 χ^2/NDF: 98.5/64

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 217.608+/-87.114 χ^2/NDF: 198.4/112



Right In: 1165.861+/-0.195 χ^2/NDF: 2704419.4/30

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.519+/-0.210 χ^2/NDF: 2735110.5/33

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

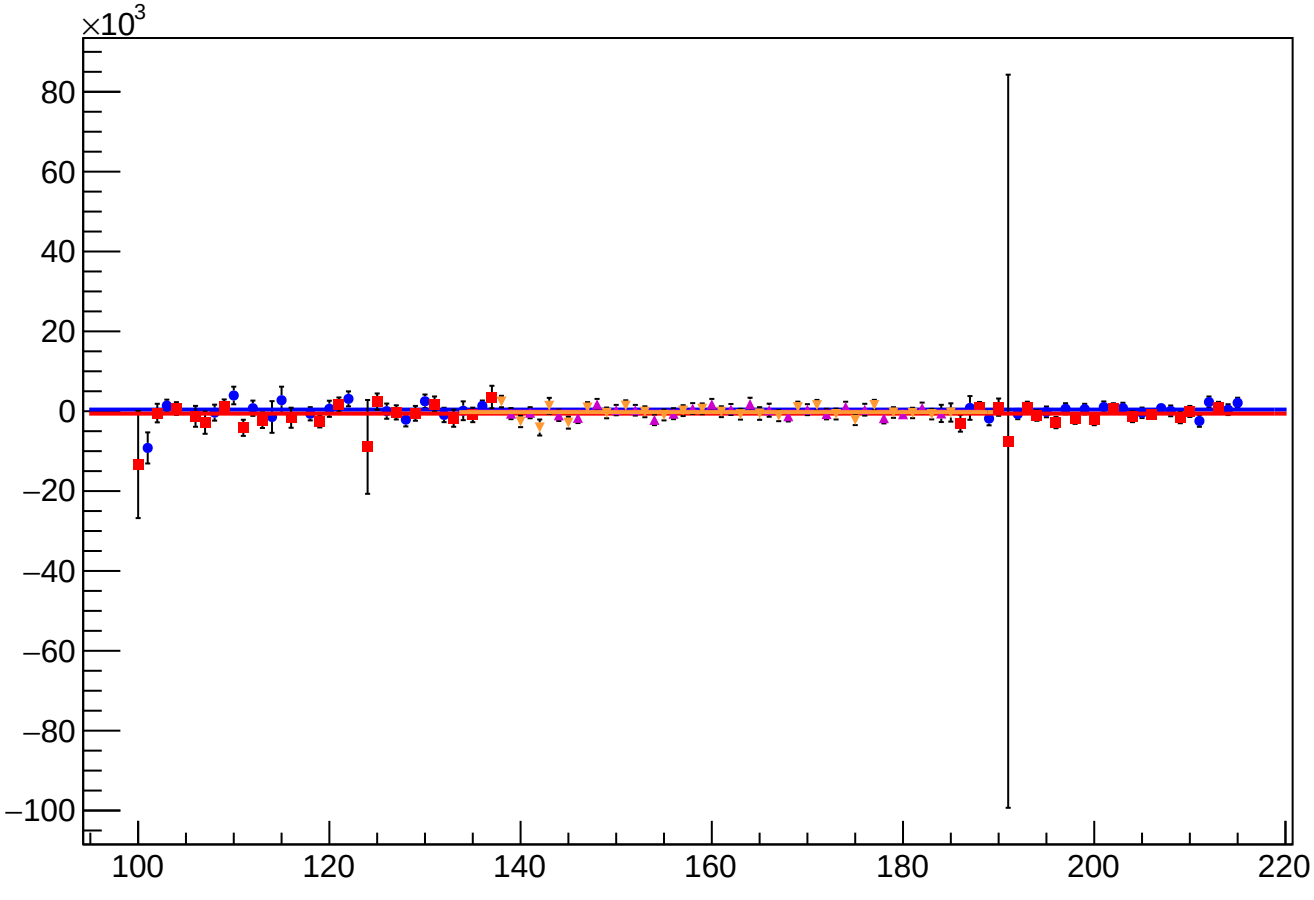
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1197.697+/-0.143 χ^2/NDF: 5496809.4/64

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 698.106+/-0.062 χ^2/NDF: 22230936.9/11



Right In: 411.786+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -602.837+/-296.258 χ^2/NDF: 29.5/33

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

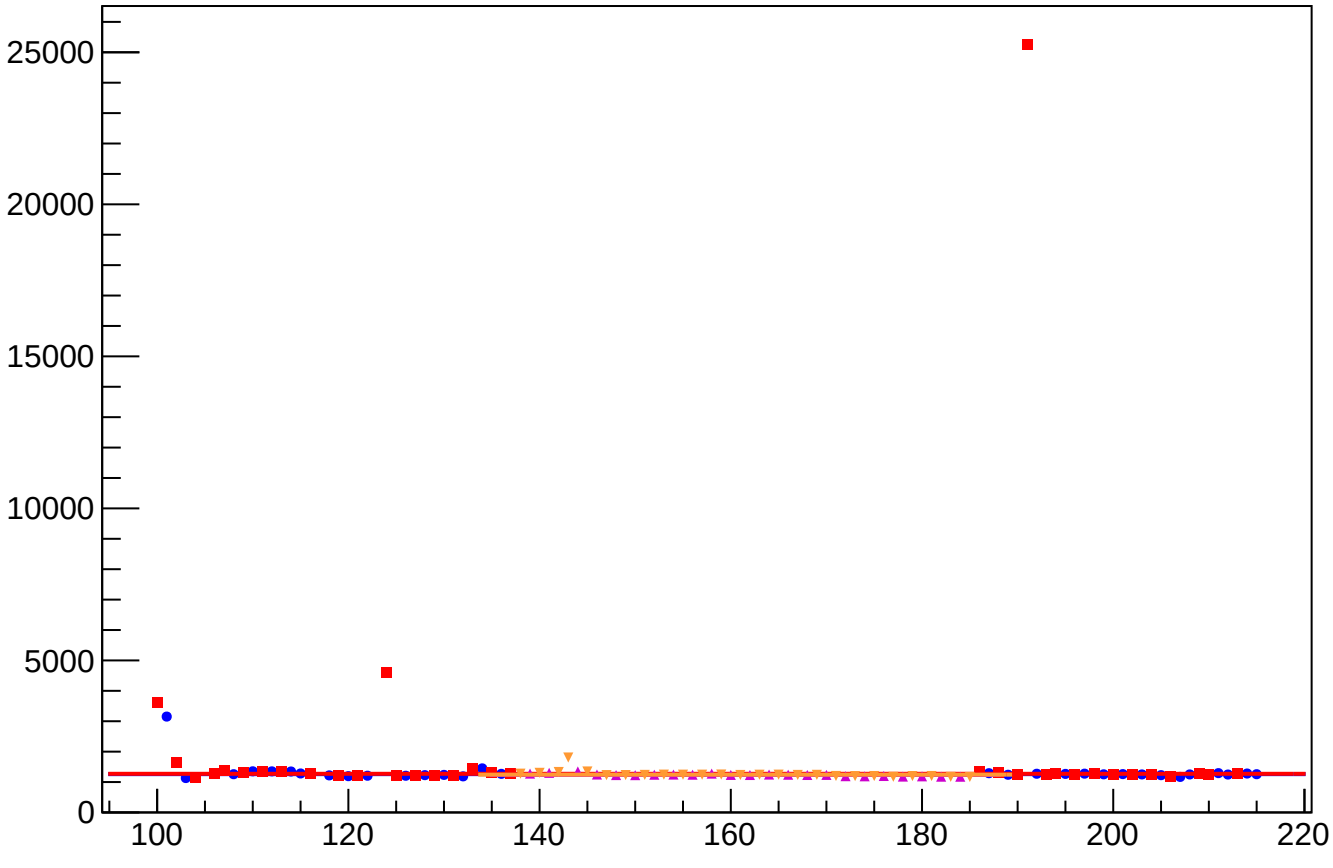
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -82.867+/-206.856 χ^2/NDF: 63.7/64

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -403.092+/-204.659 χ^2/NDF:54.3/58

All: -121.219+/-144.504 χ^2/NDF: 102.5/112



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.220+/-0.209 χ^2/NDF: 493838.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

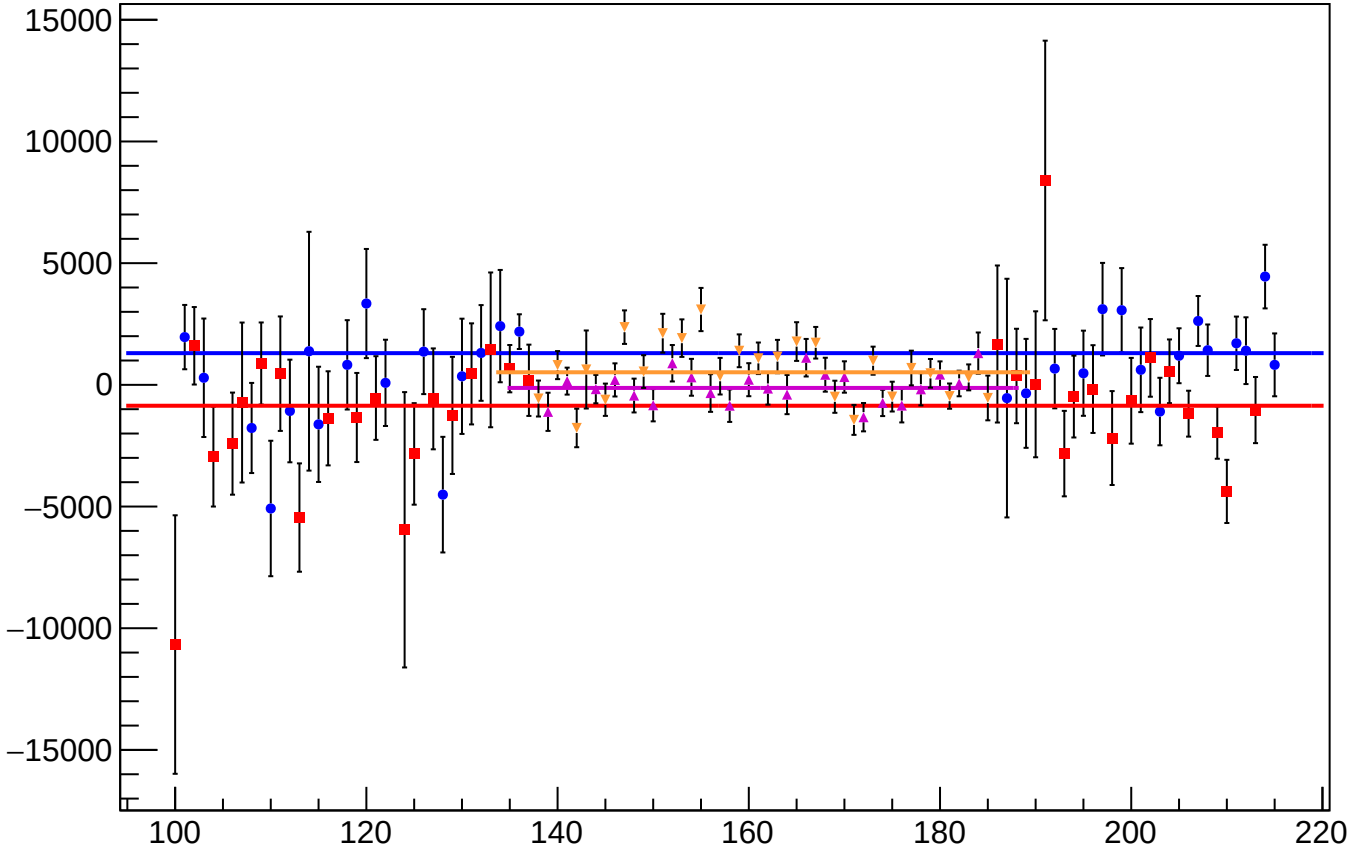
Right: 1265.429+/-0.146 χ^2/NDF: 1030986.8/64

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.375+/-0.145 χ^2/NDF:706742.7/58

All: 1251.575+/-0.102 χ^2/NDF: 1292098.0/11

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1302.736+/-276.264 χ^2/NDF: 34.4/30

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -858.389+/-297.110 χ^2/NDF: 35.7/33

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

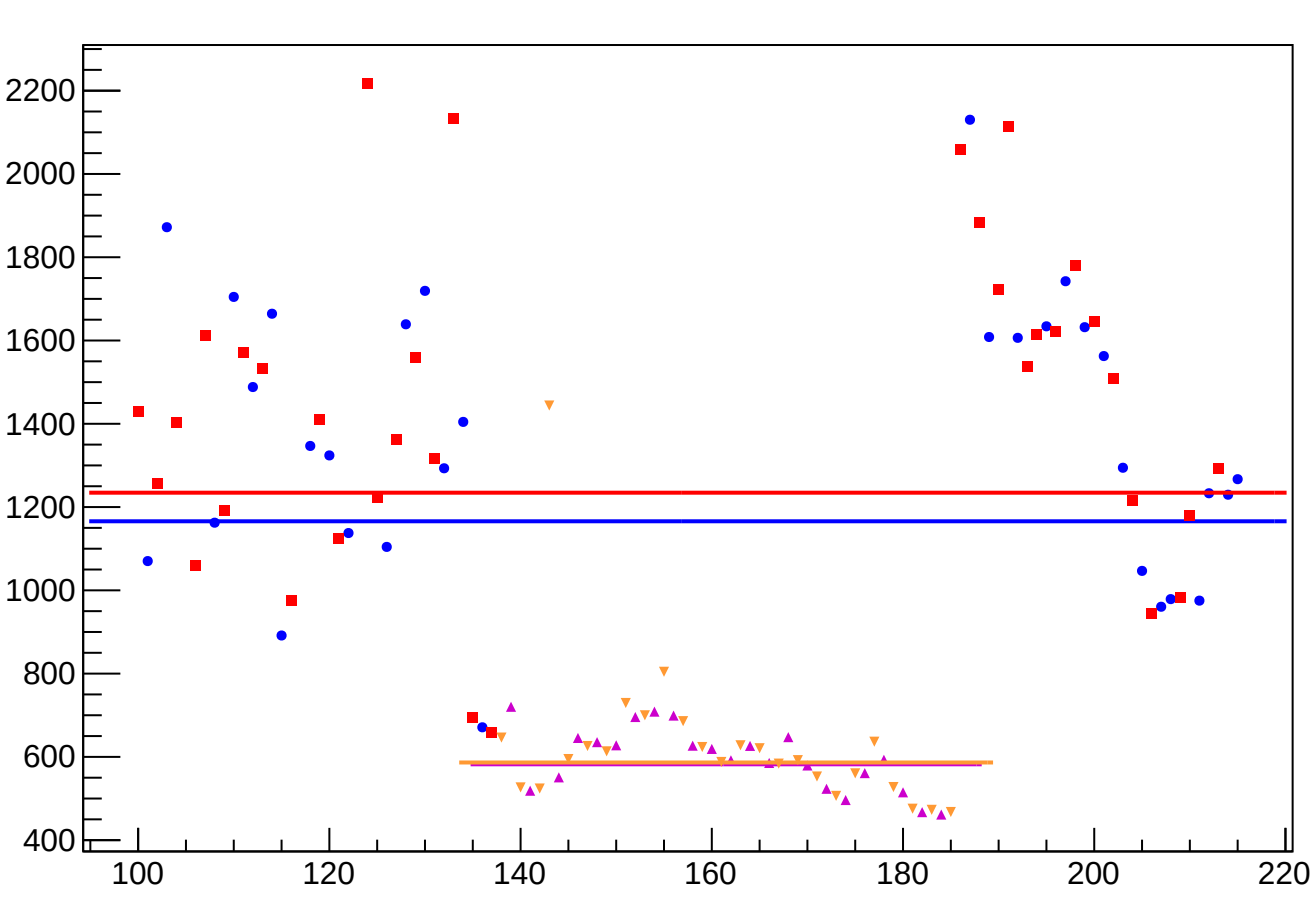
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 300.641+/-202.317 χ^2/NDF: 98.5/64

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 279.316+/-123.470 χ^2/NDF:120.5/58

All: 217.608+/-87.114 χ^2/NDF: 198.4/112



Right In: 1165.861+/-0.195 χ^2/NDF: 2704419.4/30

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.519+/-0.210 χ^2/NDF: 2735110.5/33

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

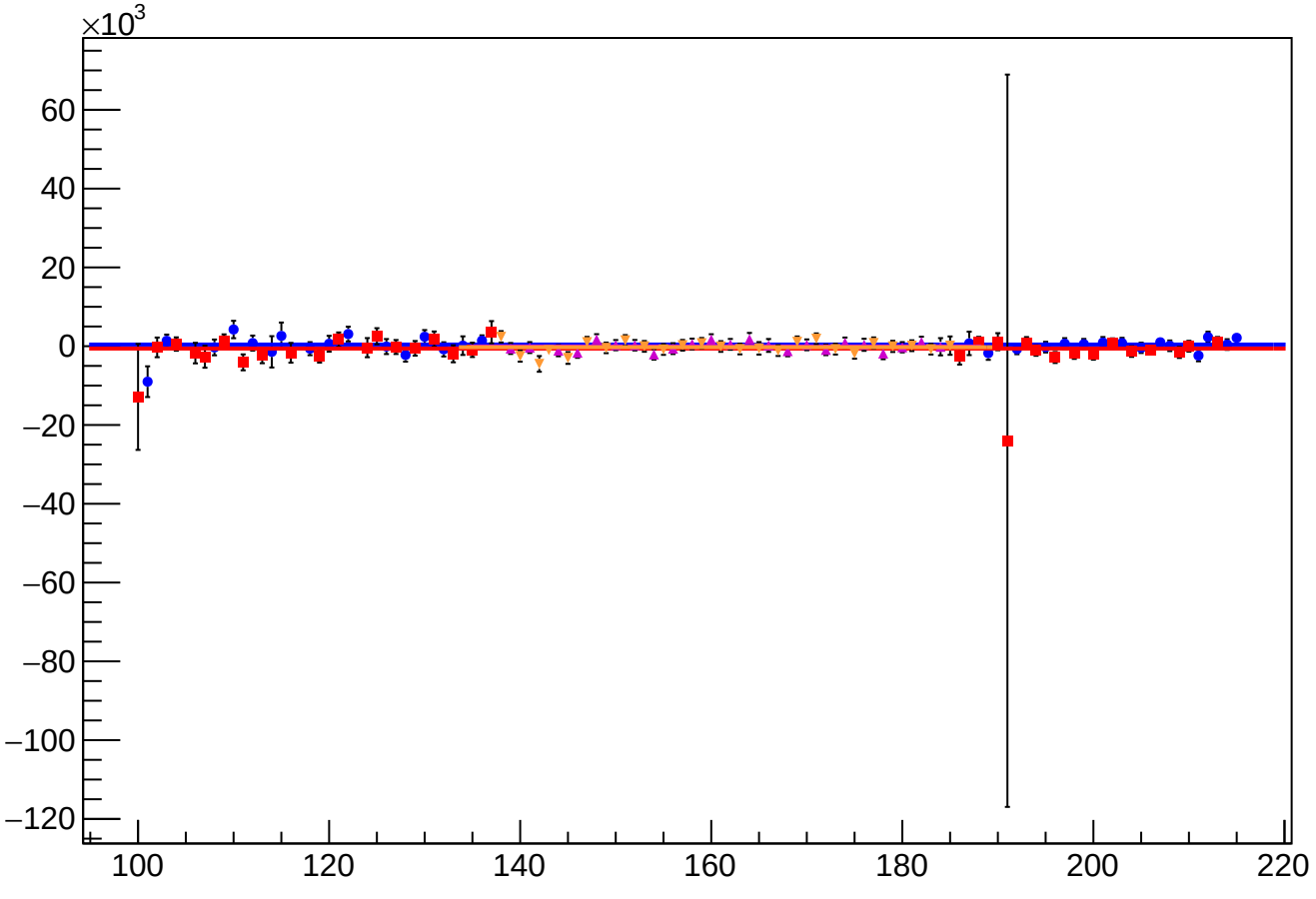
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1197.697+/-0.143 χ^2/NDF: 5496809.4/64

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 698.463+/-0.087 χ^2/NDF:11807506.6/58

All: 698.106+/-0.062 χ^2/NDF: 22230936.9/11



Right In: 420.174+/-289.813 χ^2/NDF: 28.2/30

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -600.486+/-295.575 χ^2/NDF: 29.0/33

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

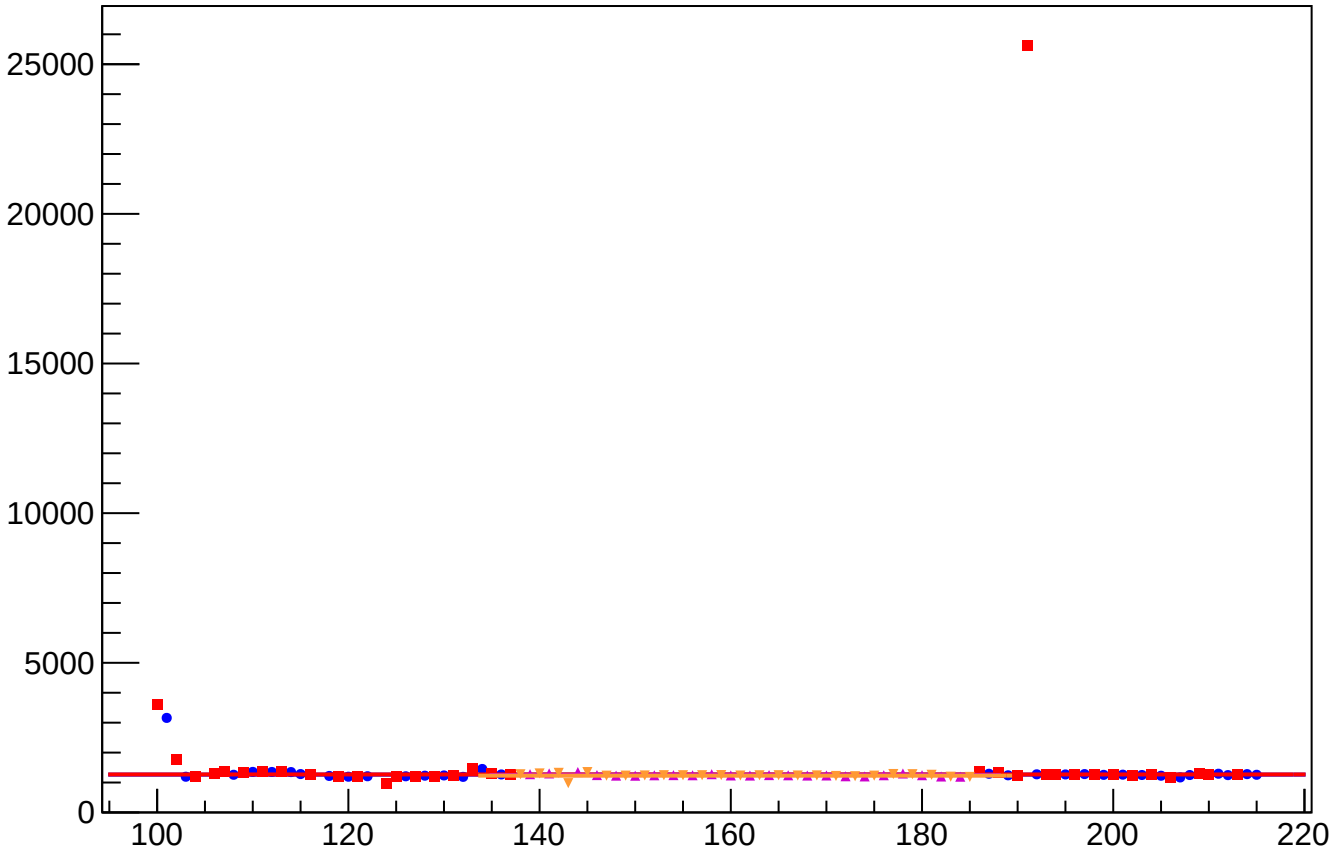
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -80.112+/-206.936 χ^2/NDF: 63.3/64

In: 174.047+/-205.508 χ^2/NDF:43.6/53

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -124.329+/-144.509 χ^2/NDF: 101.6/112



Right In: 1263.810+/-0.205 χ^2/NDF: 525470.7/30

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.823+/-0.209 χ^2/NDF: 385102.1/33

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

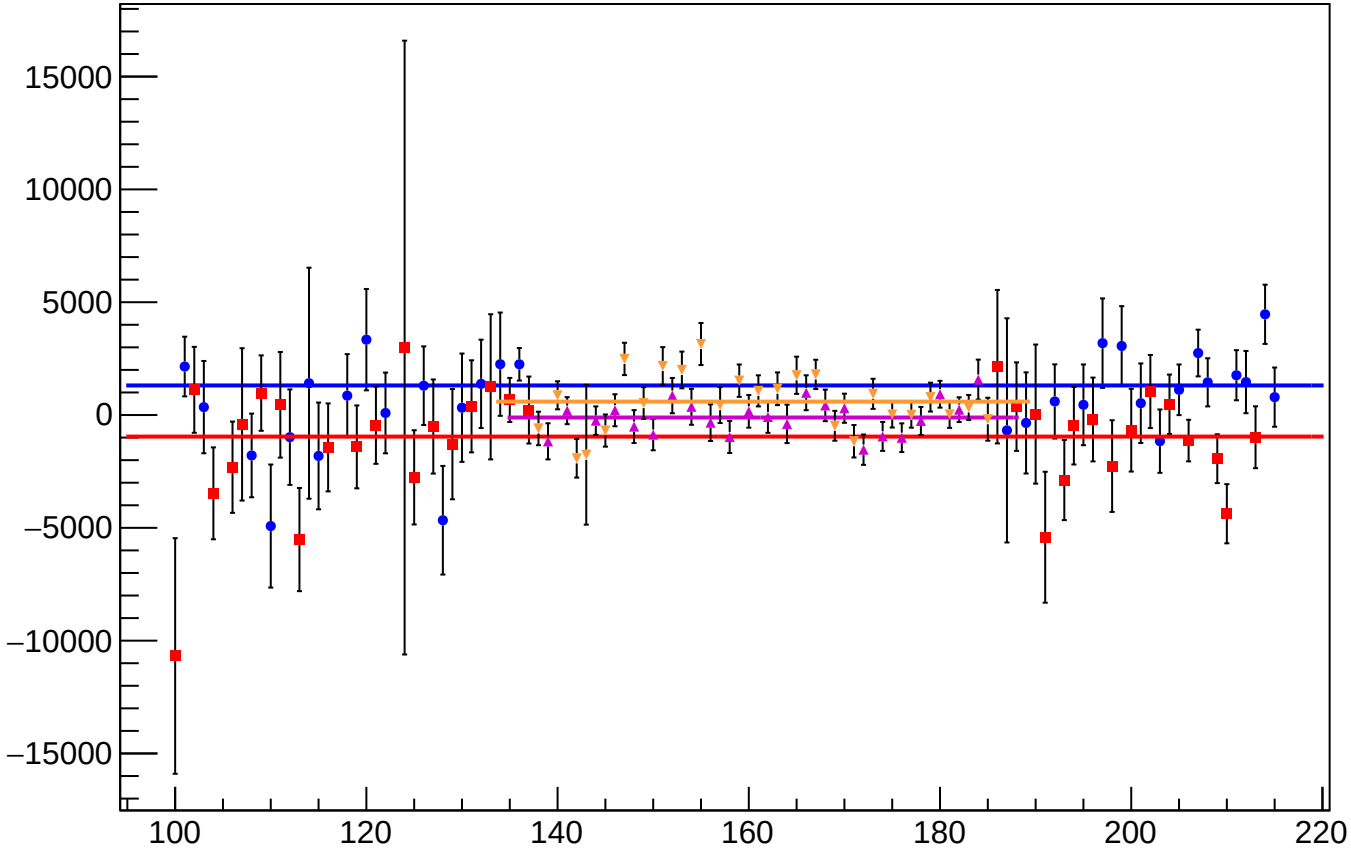
Right: 1266.758+/-0.146 χ^2/NDF: 910994.7/64

In: 1255.843+/-0.145 χ^2/NDF:555851.6/53

Out: 1248.822+/-0.144 χ^2/NDF:545862.1/58

All: 1252.294+/-0.102 χ^2/NDF: 1102893.8/11

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 1311.254+/-277.760 χ^2/NDF: 35.5/30

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -955.684+/-299.553 χ^2/NDF: 33.7/33

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

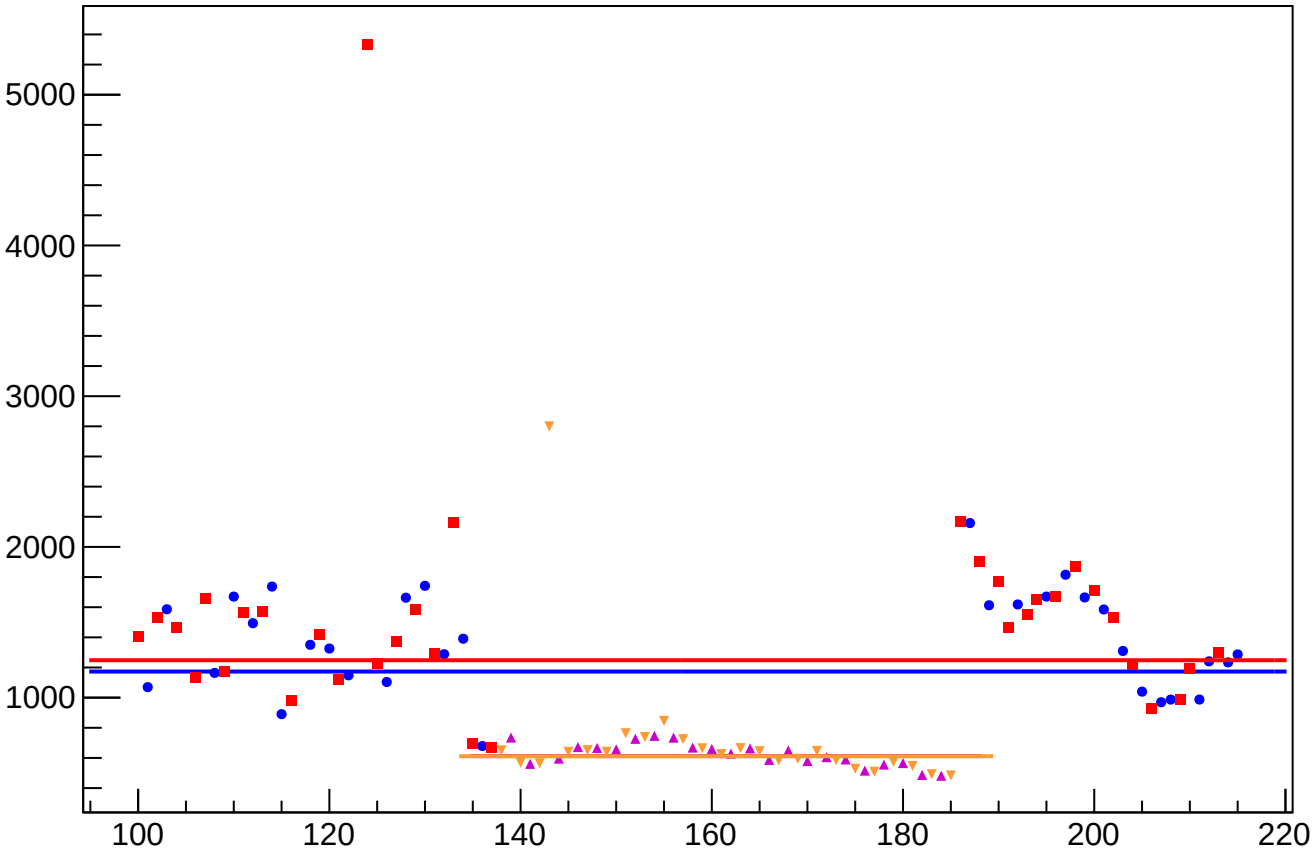
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 263.236+/-203.675 χ^2/NDF: 99.9/64

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 310.049+/-128.409 χ^2/NDF:112.9/58

All: 250.658+/-90.655 χ^2/NDF: 195.1/112



Right In: 1173.201+/-0.196 χ^2/NDF: 2646017.2/30

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1248.155+/-0.212 χ^2/NDF: 3030885.4/33

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

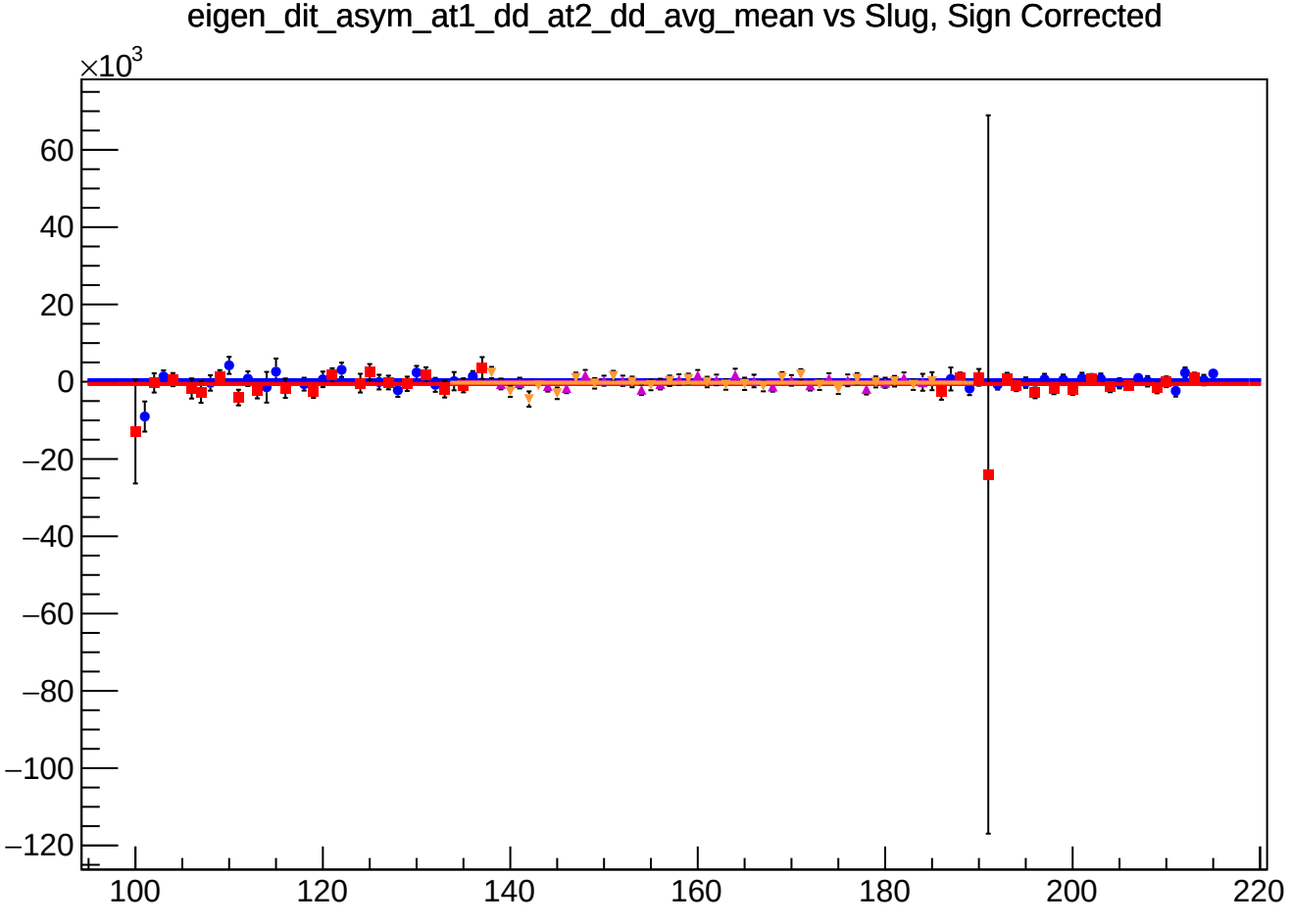
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1207.853+/-0.144 χ^2/NDF: 5744231.9/64

In: 731.499+/-0.091 χ^2/NDF:9575994.7/53

Out: 728.153+/-0.091 χ^2/NDF:12033909.7/58

All: 729.832+/-0.064 χ^2/NDF: 21610585.7/1



Right In: 420.171+/-289.813 χ^2/NDF: 28.2/30

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -600.485+/-295.575 χ^2/NDF: 29.0/33

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

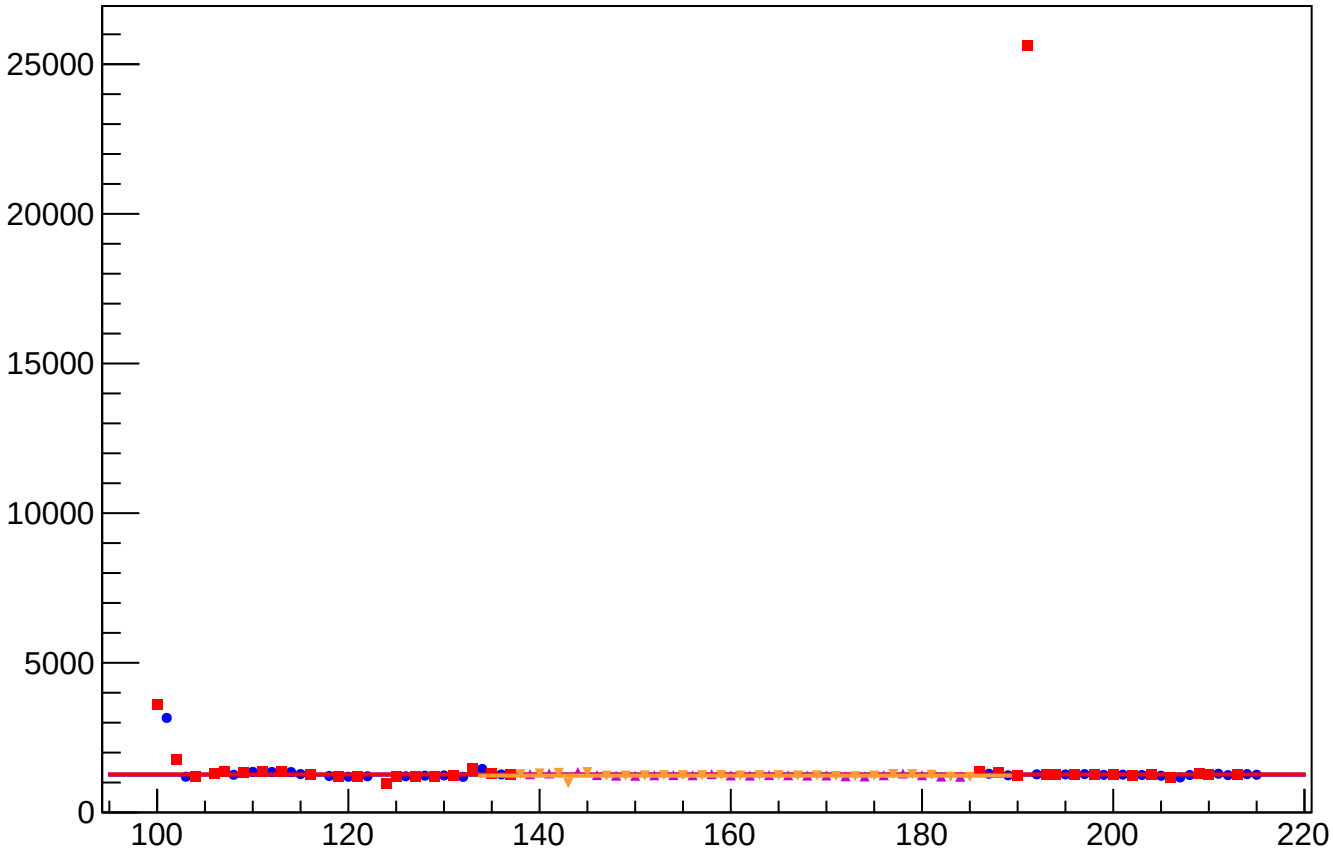
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -80.113+/-206.936 χ^2/NDF: 63.3/64

In: 174.046+/-205.508 χ^2/NDF:43.6/53

Out: -416.166+/-203.243 χ^2/NDF:53.8/58

All: -124.330+/-144.509 χ^2/NDF: 101.6/112



Right In: 1263.810+/-0.205 χ^2/NDF: 525470.8/30

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.823+/-0.209 χ^2/NDF: 385101.9/33

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

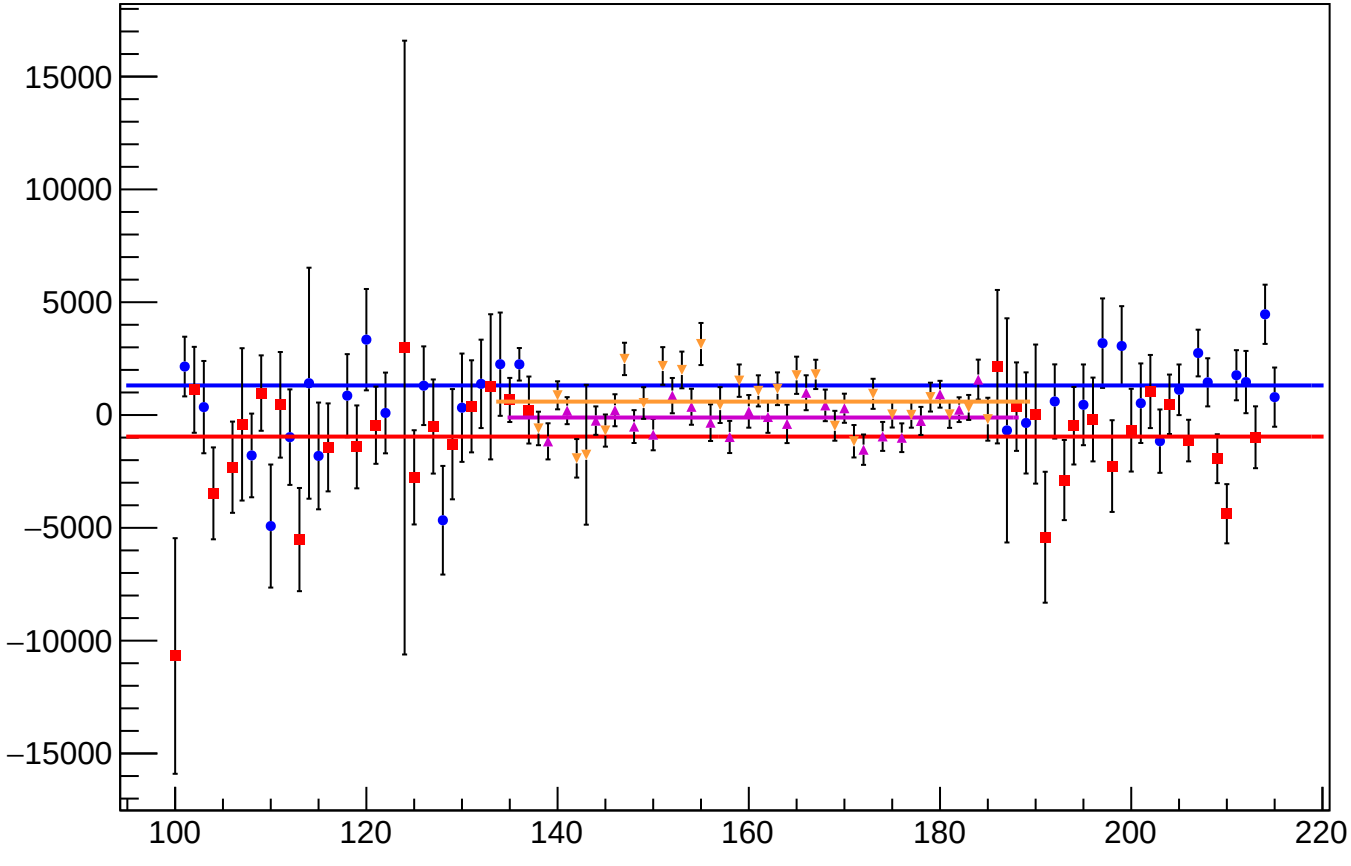
Right: 1266.757+/-0.146 χ^2/NDF: 910994.6/64

In: 1255.843+/-0.145 χ^2/NDF:555851.7/53

Out: 1248.822+/-0.144 χ^2/NDF:545861.0/58

All: 1252.294+/-0.102 χ^2/NDF: 1102892.7/11

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1311.253+/-277.760 χ^2/NDF: 35.5/30

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -955.689+/-299.553 χ^2/NDF: 33.7/33

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

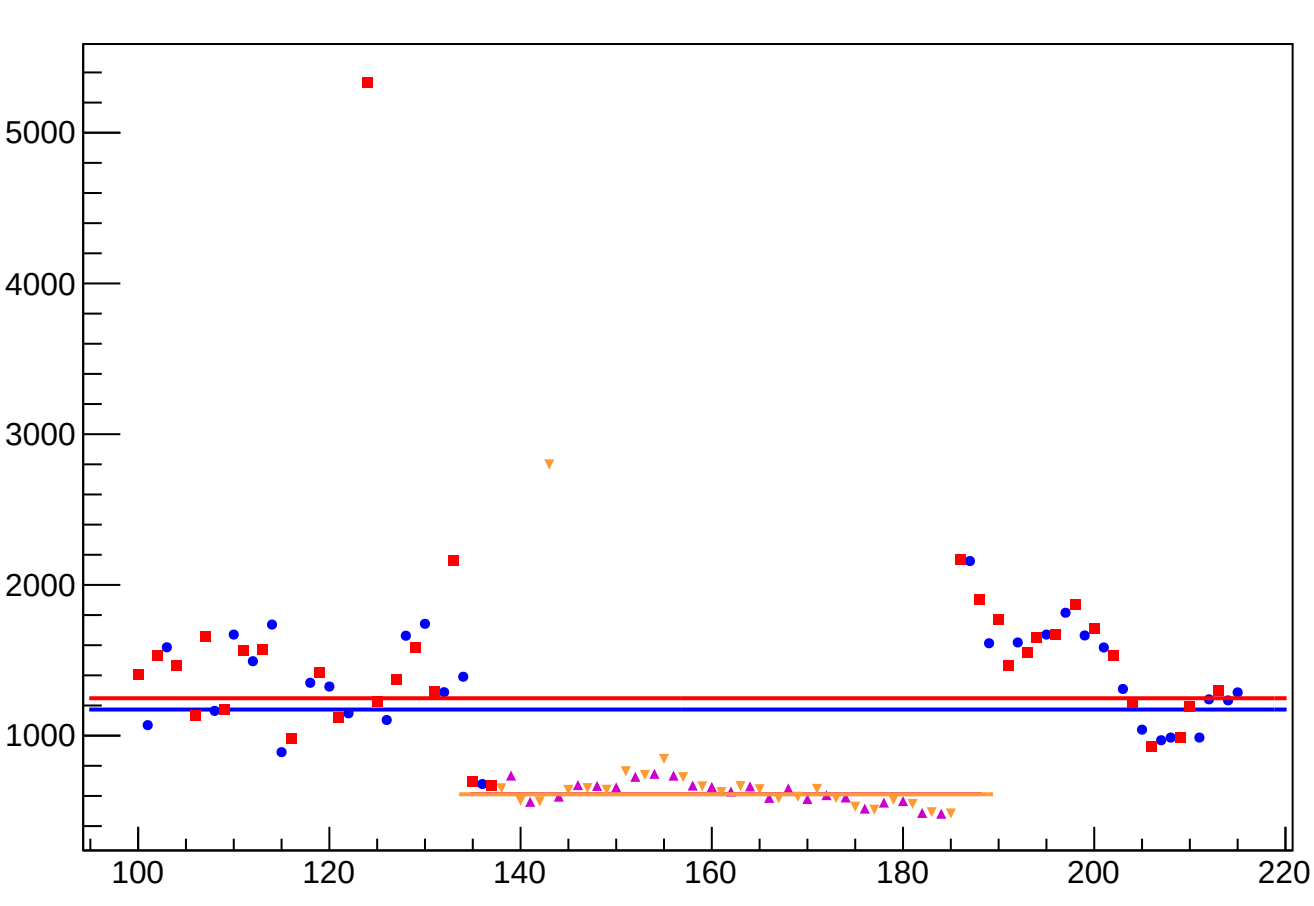
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

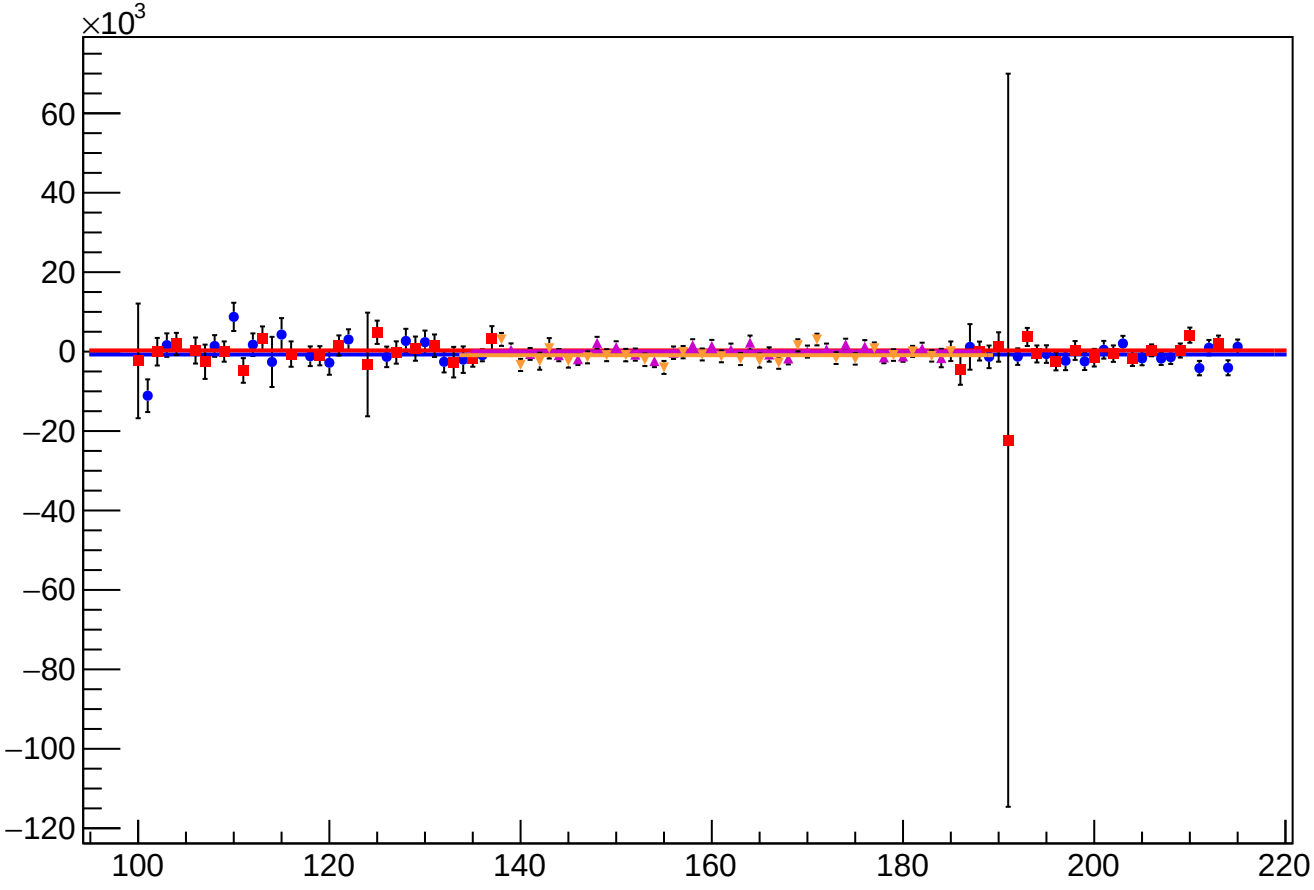
Right: 263.234+/-203.675 χ^2/NDF: 99.9/64

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 310.049+/-128.409 χ^2/NDF:112.9/58

All: 250.657+/-90.655 χ^2/NDF: 195.1/112


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: 1173.202+/-0.196 χ²/NDF: 2645957.2/30
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1248.157+/-0.212 χ²/NDF: 3030828.6/33
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1207.854+/-0.144 χ²/NDF: 5744117.9/64
In: 731.499+/-0.091 χ²/NDF:9575977.9/53
Out: 728.153+/-0.091 χ²/NDF:12033901.6/58
All: 729.831+/-0.064 χ²/NDF: 21610560.6/1



Right In: -721.502+/-419.243 χ^2/NDF: 35.8/30

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 300.705+/-440.031 χ^2/NDF: 22.8/33

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

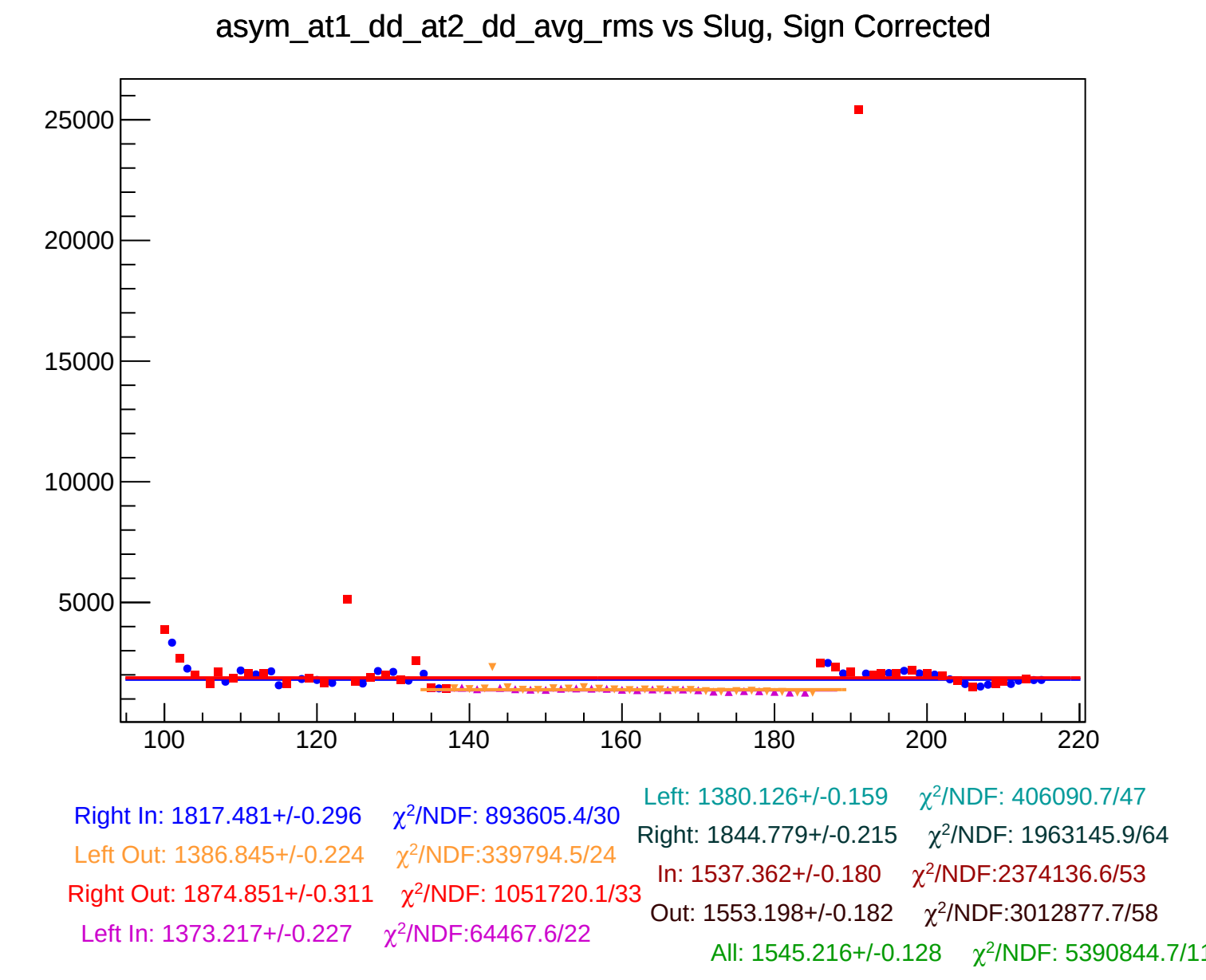
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

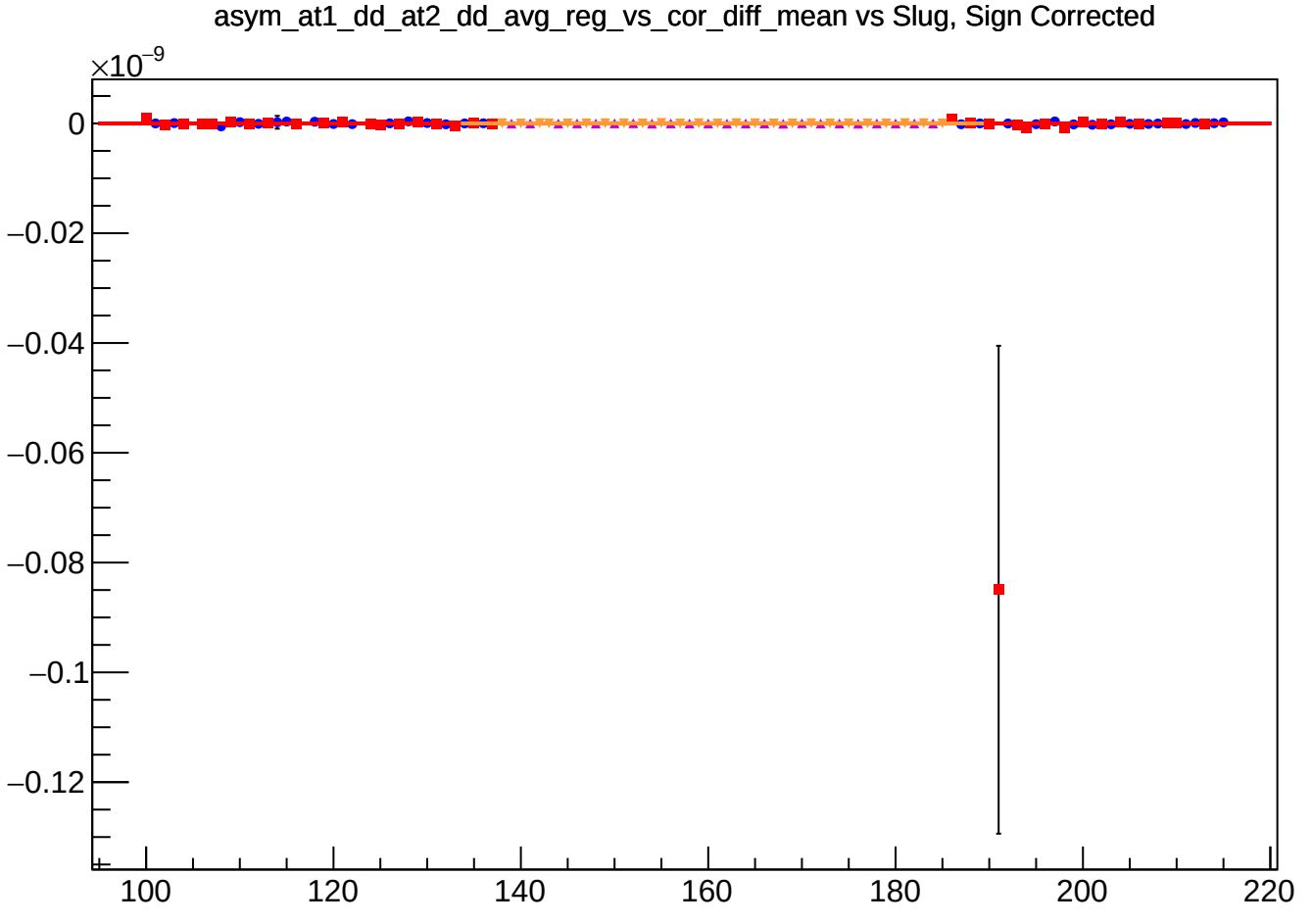
Right: -235.114+/-303.533 χ^2/NDF: 61.4/64

In: -236.201+/-254.835 χ^2/NDF:55.8/53

Out: -490.632+/-256.913 χ^2/NDF:57.5/58

All: -362.384+/-180.926 χ^2/NDF: 113.8/112


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
220
Right In: 1817.481+/-0.296 χ²/NDF: 893605.4/30
Left Out: 1386.845+/-0.224 χ²/NDF:339794.5/24
Right Out: 1874.851+/-0.311 χ²/NDF: 1051720.1/33
Left In: 1373.217+/-0.227 χ²/NDF:64467.6/22
Left: 1380.126+/-0.159 χ²/NDF: 406090.7/47
Right: 1844.779+/-0.215 χ²/NDF: 1963145.9/64
In: 1537.362+/-0.180 χ²/NDF:2374136.6/53
Out: 1553.198+/-0.182 χ²/NDF:3012877.7/58
All: 1545.216+/-0.128 χ²/NDF: 5390844.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 49.0/33

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

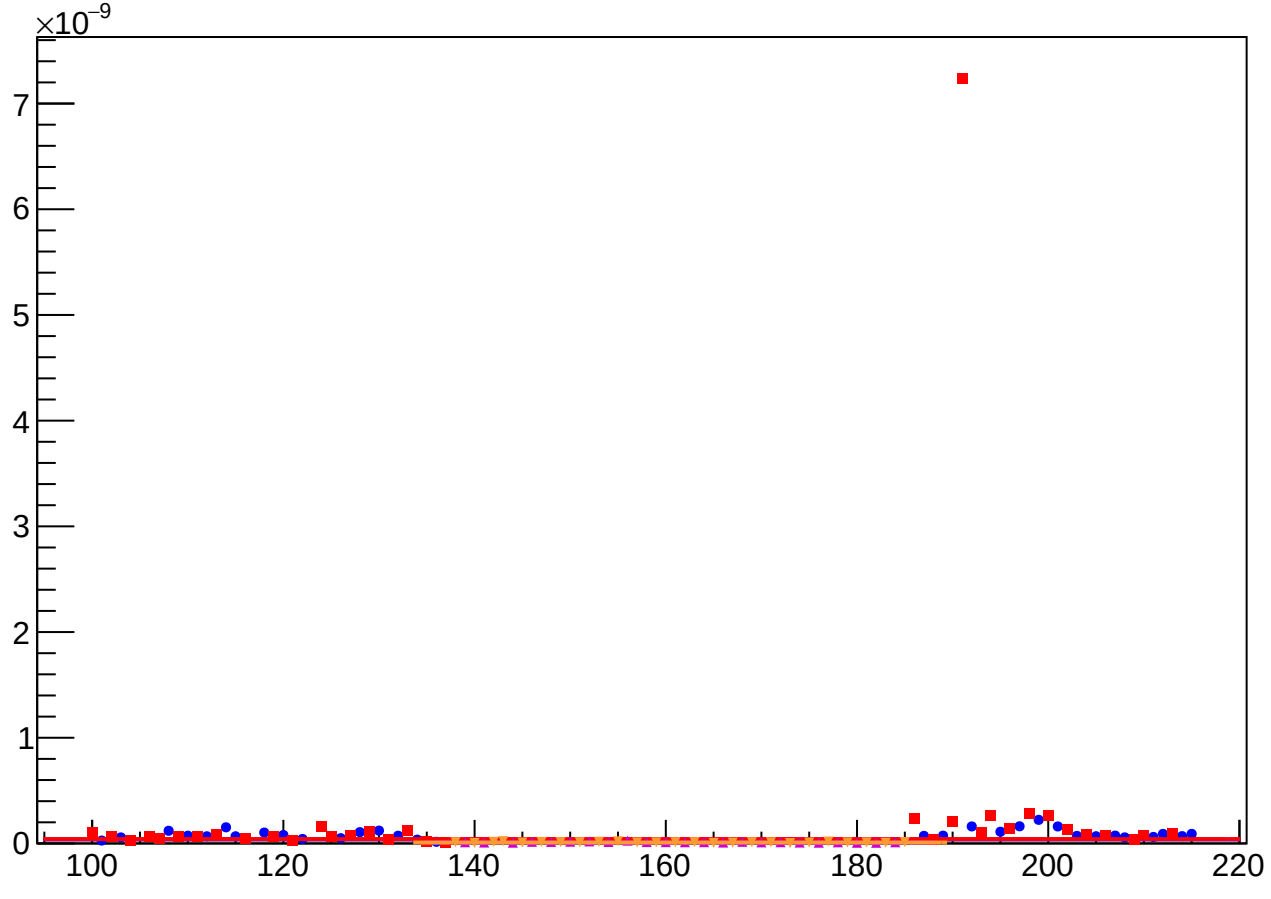
Right: -0.000+/-0.000 χ^2/NDF: 77.0/64

In: 0.000+/-0.000 χ^2/NDF:40.8/53

Out: 0.000+/-0.000 χ^2/NDF:74.6/58

All: 0.000+/-0.000 χ^2/NDF: 115.4/112

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7003564.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6905666.6/33

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

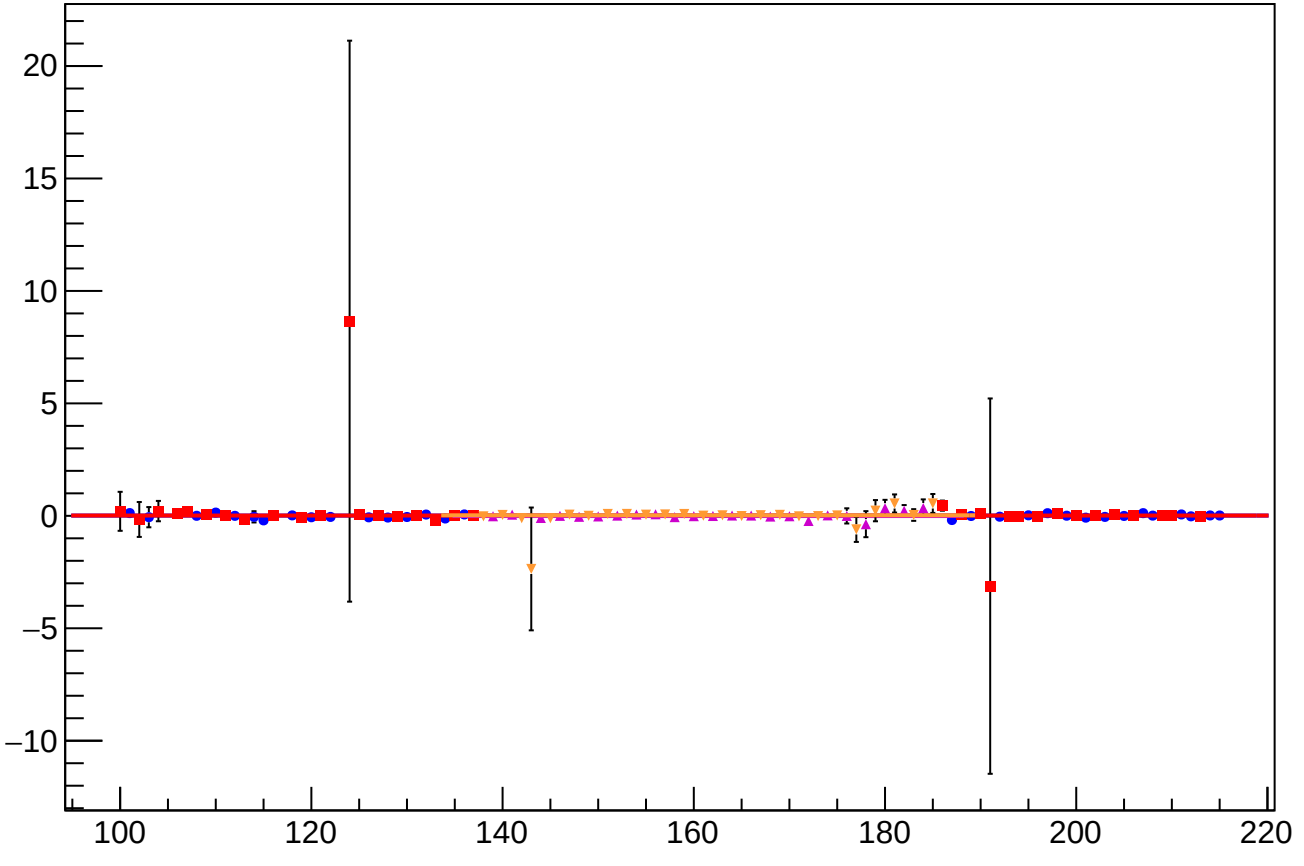
Right: 0.000+/-0.000 χ^2/NDF: 13946654.0/64

In: 0.000+/-0.000 χ^2/NDF:13189312.6/53

Out: 0.000+/-0.000 χ^2/NDF:14676537.2/58

All: 0.000+/-0.000 χ^2/NDF: 28230965.4/112

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

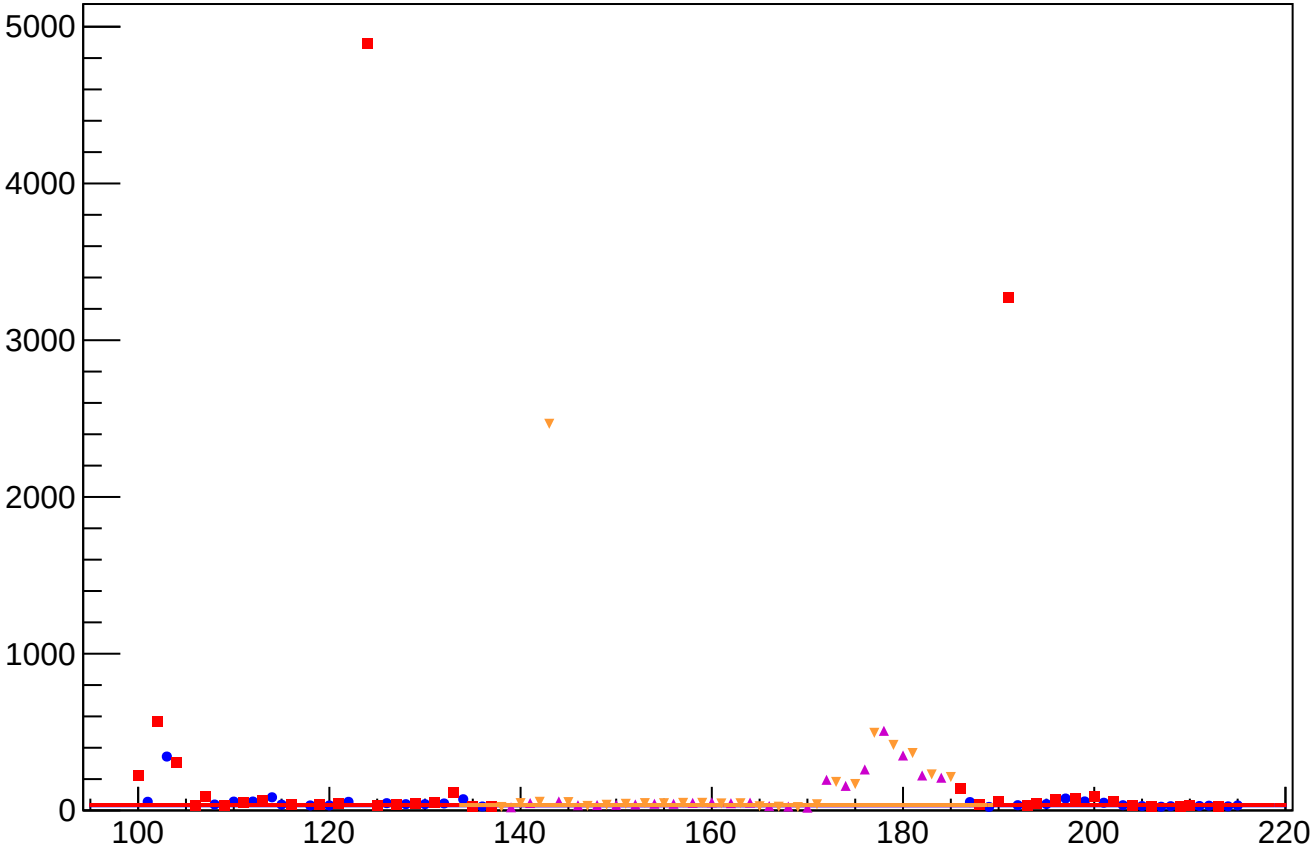
Right: 0.012+/-0.006 χ^2/NDF: 69.1/64

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/112

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.929+/-0.006 χ^2/NDF: 3733447.0/30

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 34.838+/-0.007 χ^2/NDF: 6484133.8/33

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

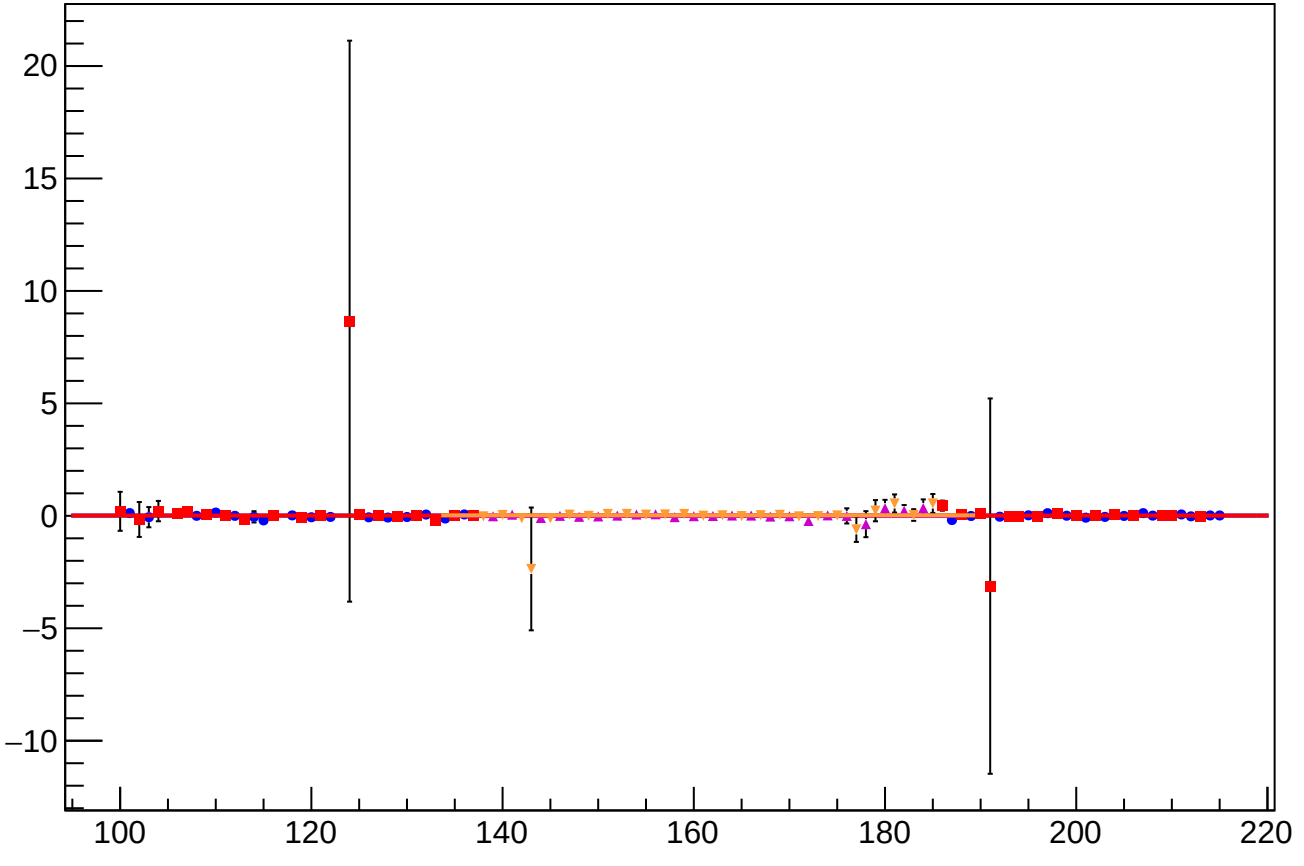
Right: 33.778+/-0.005 χ^2/NDF: 10261129.7/64

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 33.920+/-0.003 χ^2/NDF: 31743698.3/112

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

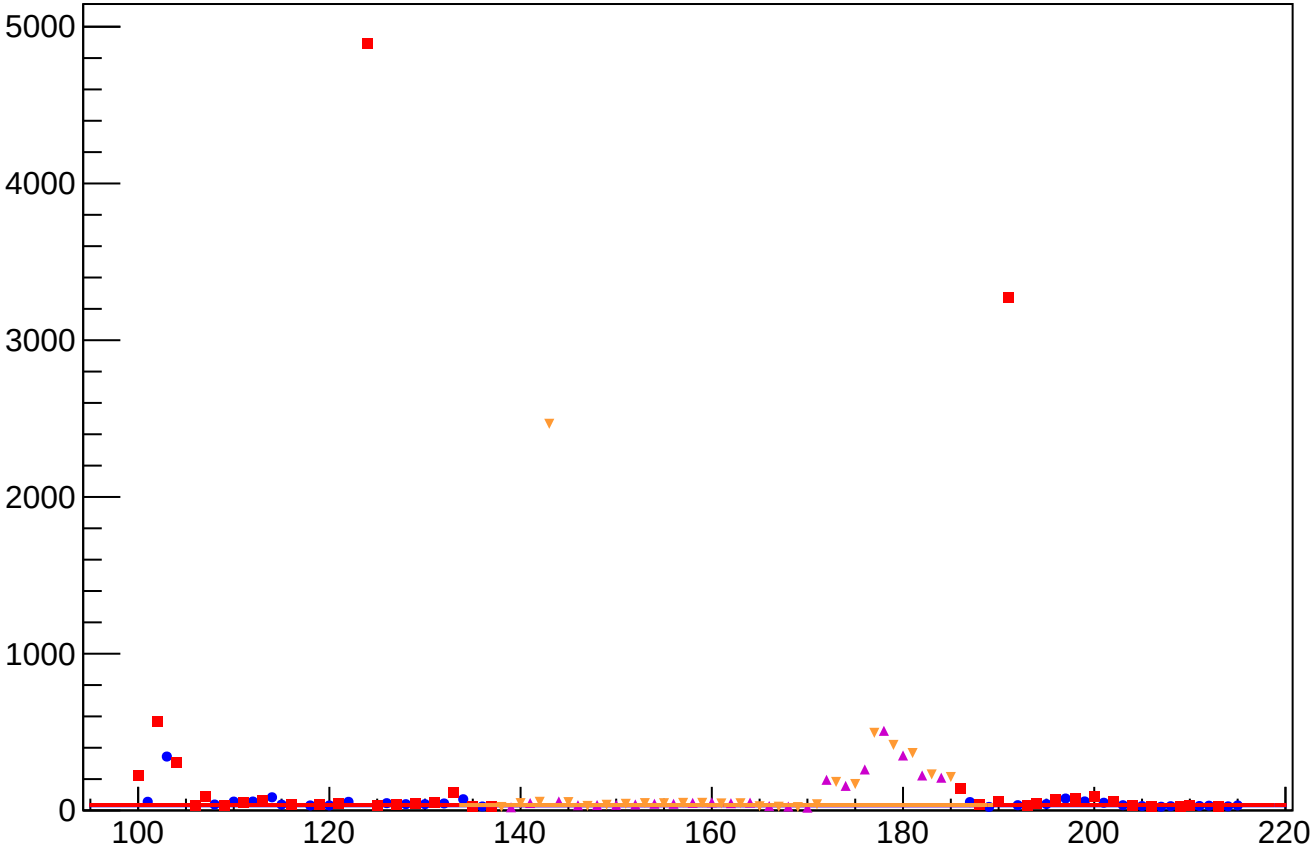
Right: 0.012+/-0.006 χ^2/NDF: 69.1/64

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/112

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.929+/-0.006 χ^2/NDF: 3733447.0/30

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 34.838+/-0.007 χ^2/NDF: 6484133.8/33

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

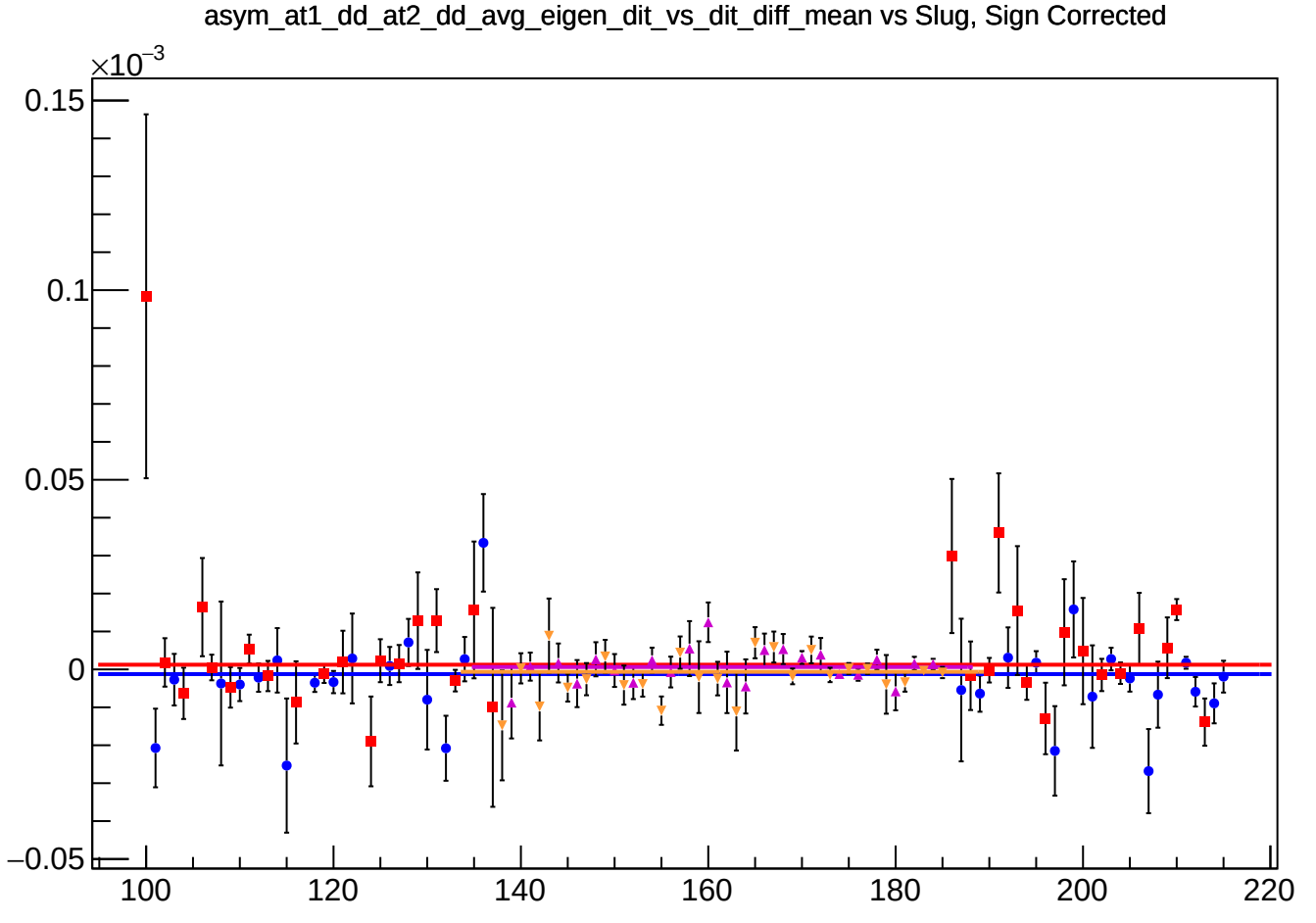
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 33.778+/-0.005 χ^2/NDF: 10261129.7/64

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 34.737+/-0.005 χ^2/NDF:17887051.2/58

All: 33.920+/-0.003 χ^2/NDF: 31743698.3/112



Right In: -0.000+/-0.000 χ^2/NDF: 45.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 67.7/33

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

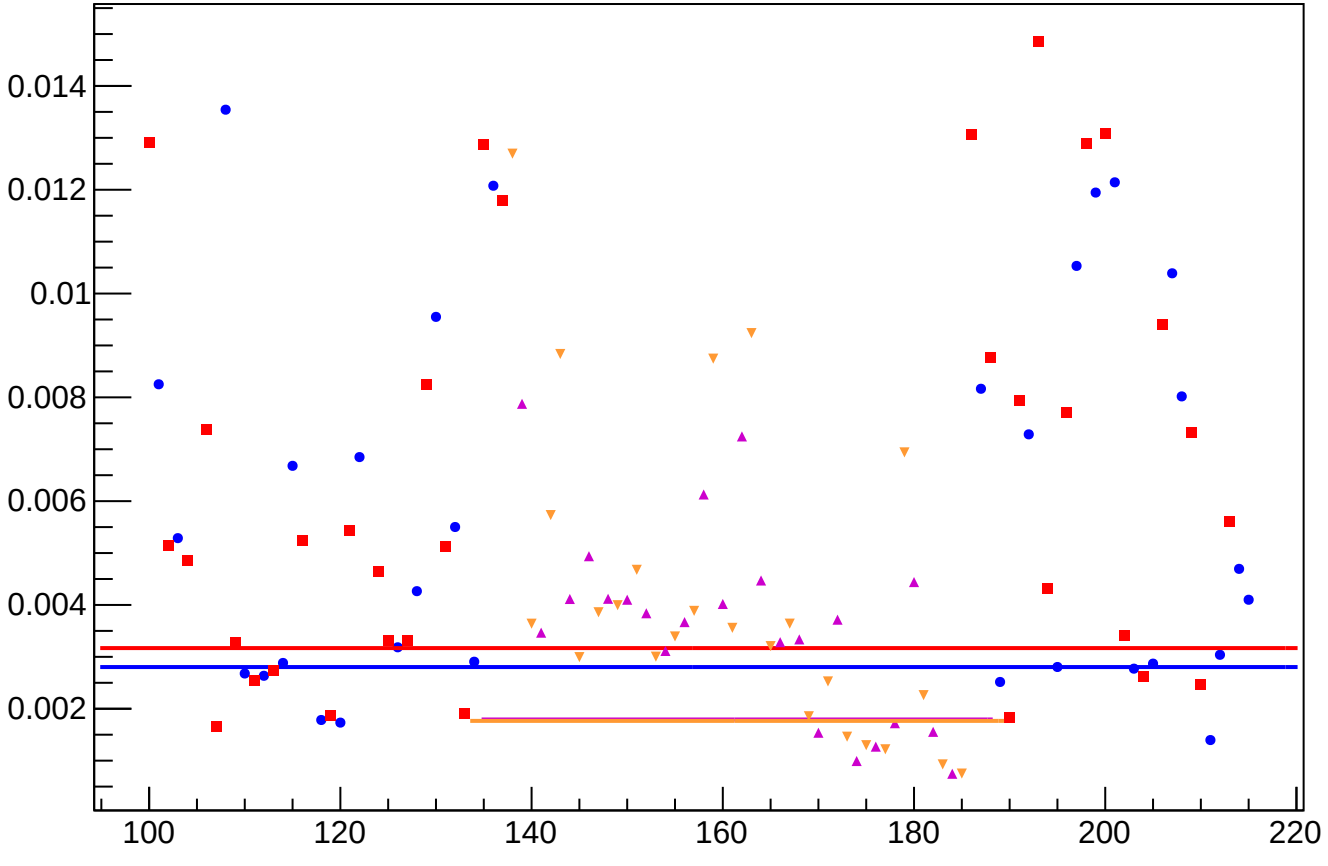
Right: -0.000+/-0.000 χ^2/NDF: 117.0/64

In: 0.000+/-0.000 χ^2/NDF:70.7/53

Out: -0.000+/-0.000 χ^2/NDF:99.4/58

All: -0.000+/-0.000 χ^2/NDF: 170.2/112

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11525264.3/30

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10731244.7/33

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

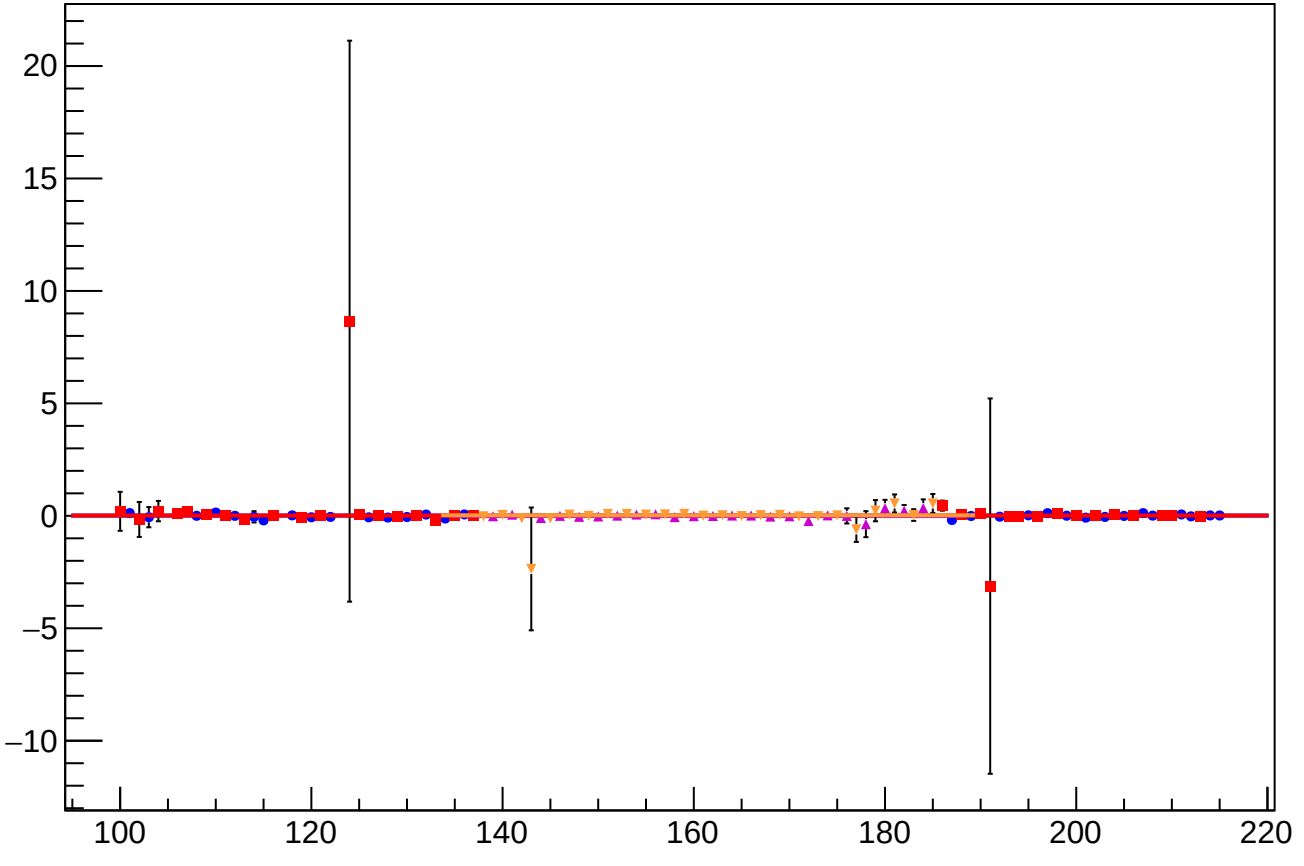
Right: 0.003+/-0.000 χ^2/NDF: 22443763.5/64

In: 0.002+/-0.000 χ^2/NDF:24463265.0/53

Out: 0.002+/-0.000 χ^2/NDF:27413442.4/58

All: 0.002+/-0.000 χ^2/NDF: 51876874.7/112

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

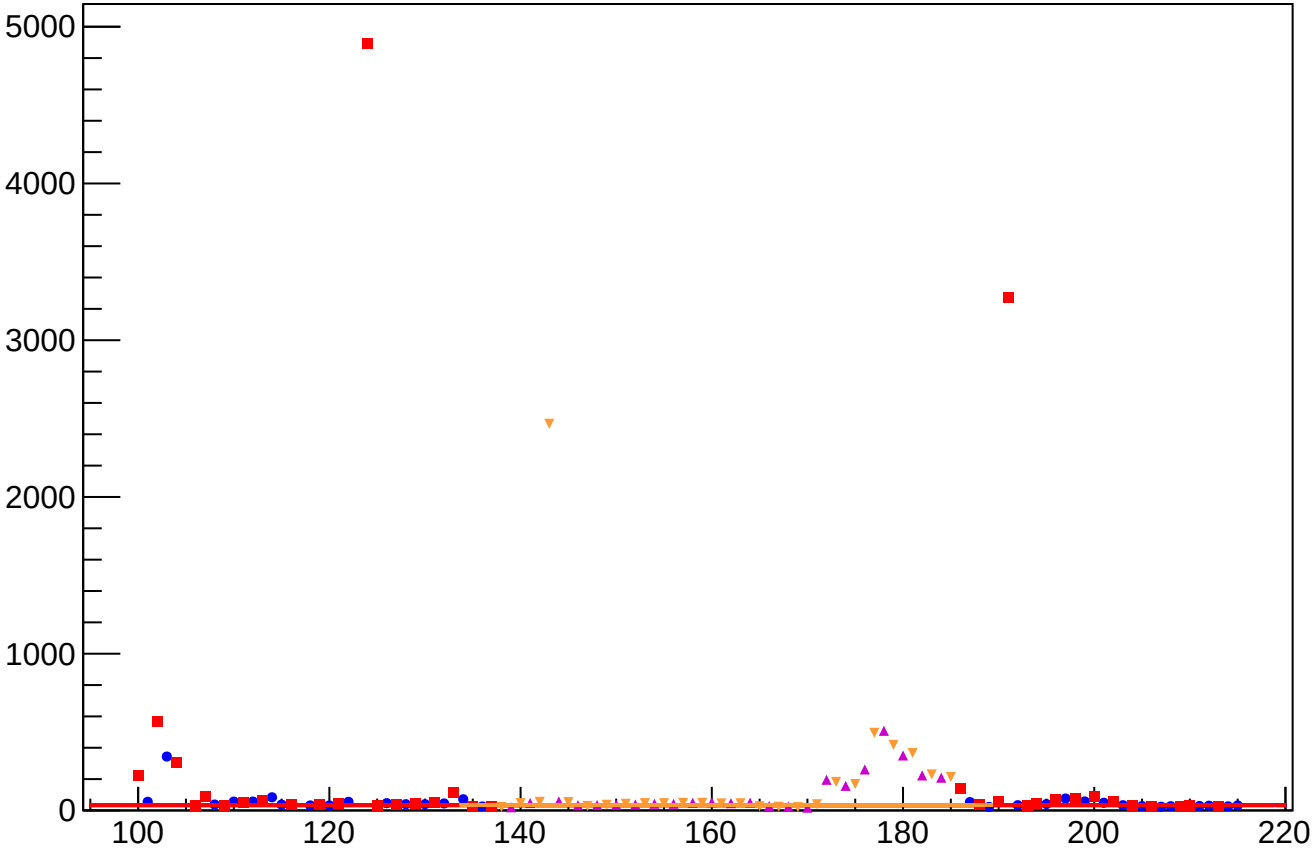
Right: 0.012+/-0.006 χ^2/NDF: 69.1/64

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/112

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.931+/-0.006 χ^2/NDF: 3732212.7/30

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 34.838+/-0.007 χ^2/NDF: 6484085.5/33

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

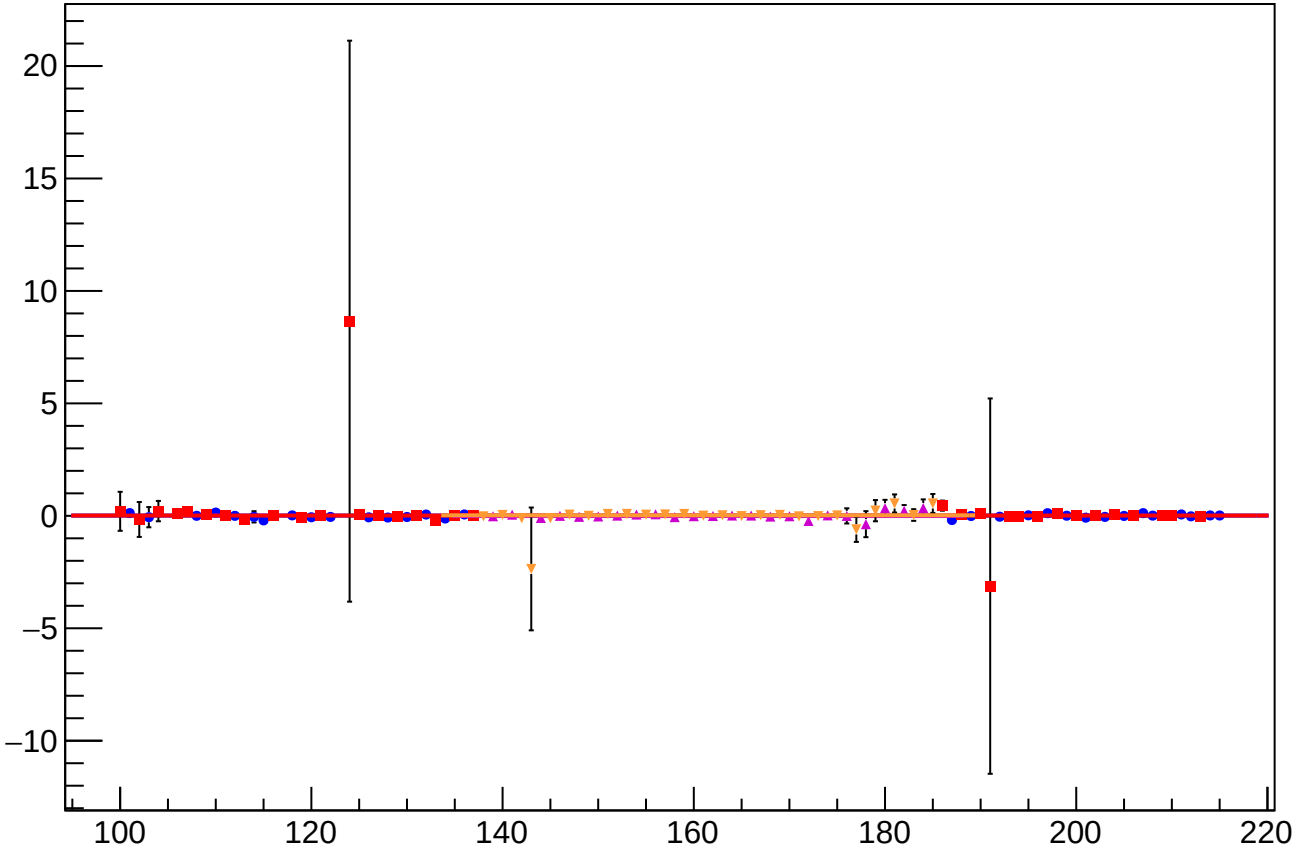
Right: 33.780+/-0.005 χ^2/NDF: 10259747.4/64

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 33.921+/-0.003 χ^2/NDF: 31741083.6/112

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

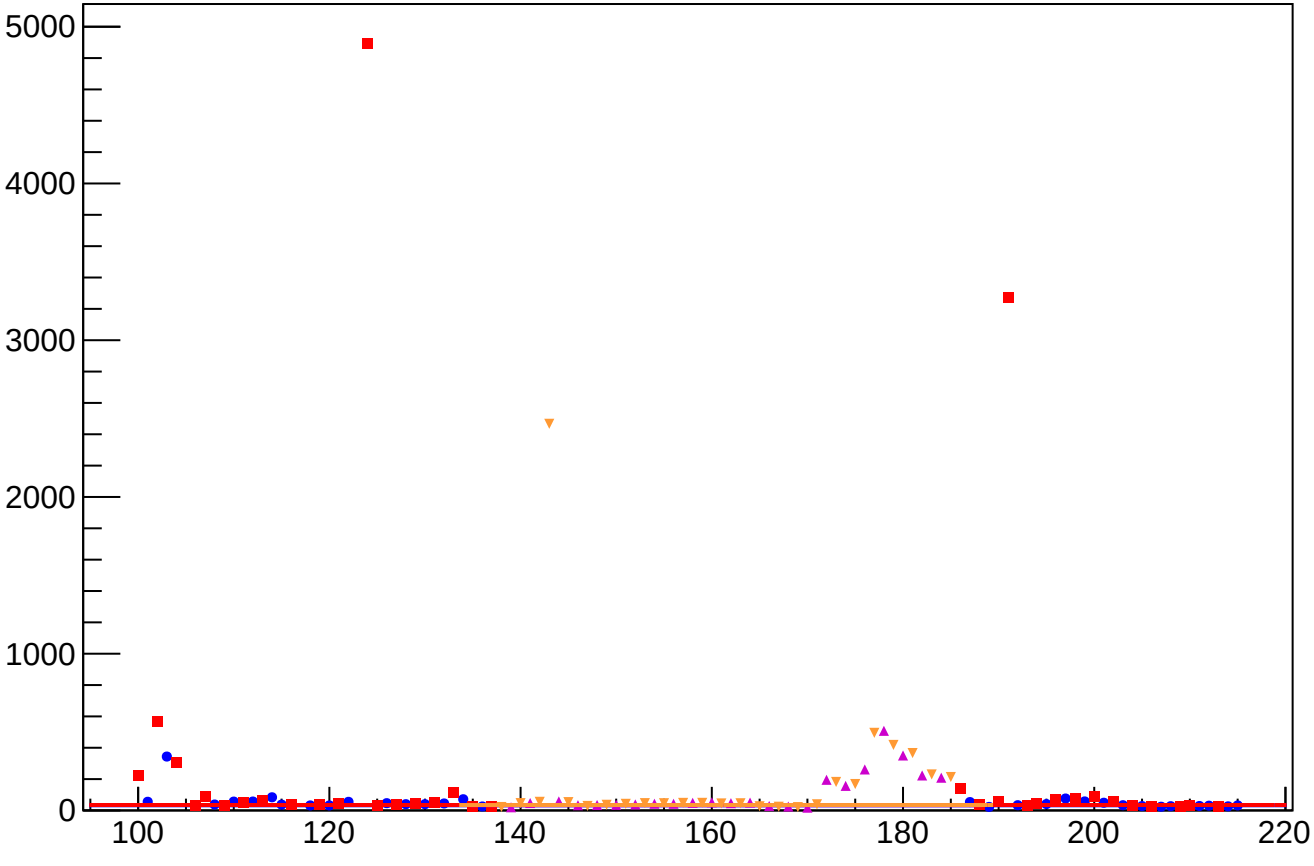
Right: 0.012+/-0.006 χ^2/NDF: 69.1/64

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.018+/-0.007 χ^2/NDF:47.4/58

All: 0.009+/-0.005 χ^2/NDF: 112.5/112

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.931+/-0.006 χ^2/NDF: 3732212.7/30

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 34.838+/-0.007 χ^2/NDF: 6484085.5/33

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

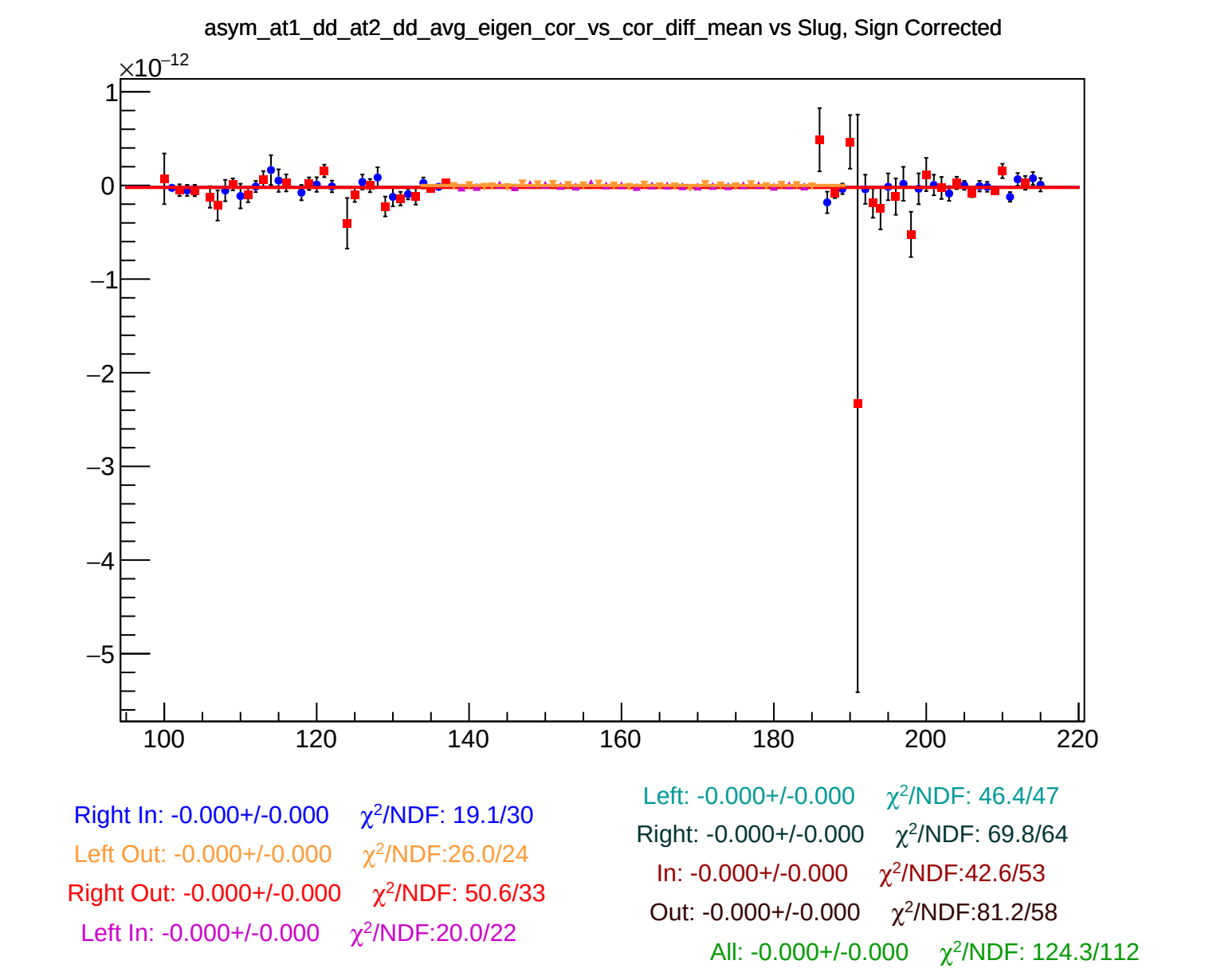
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 33.780+/-0.005 χ^2/NDF: 10259747.4/64

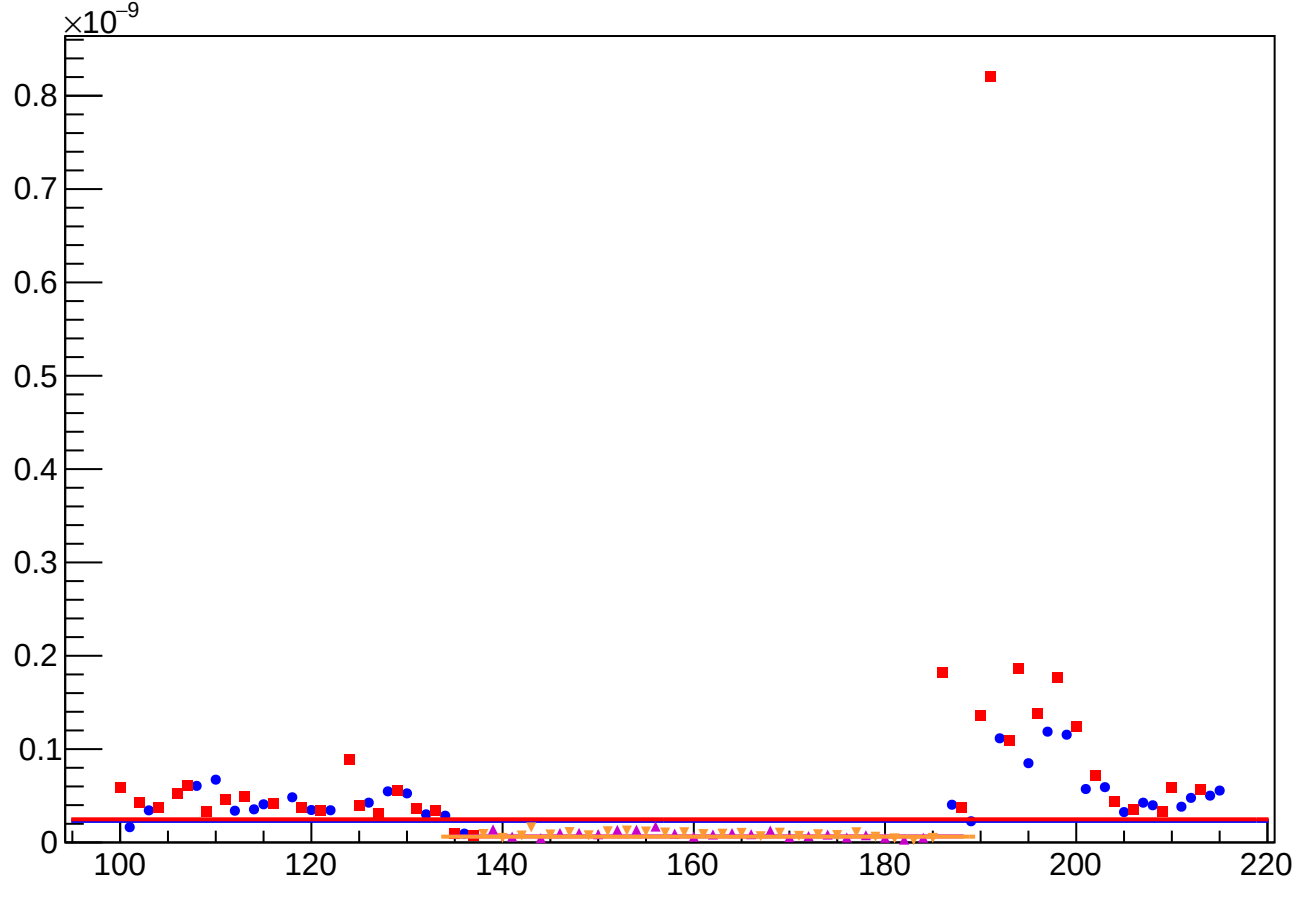
In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 34.736+/-0.005 χ^2/NDF:17887123.1/58

All: 33.921+/-0.003 χ^2/NDF: 31741083.6/112


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 19.1/30
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 50.6/33
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 69.8/64
In: -0.000+/-0.000 χ²/NDF:42.6/53
Out: -0.000+/-0.000 χ²/NDF:81.2/58
All: -0.000+/-0.000 χ²/NDF: 124.3/112

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8535778.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10494220.0/33

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

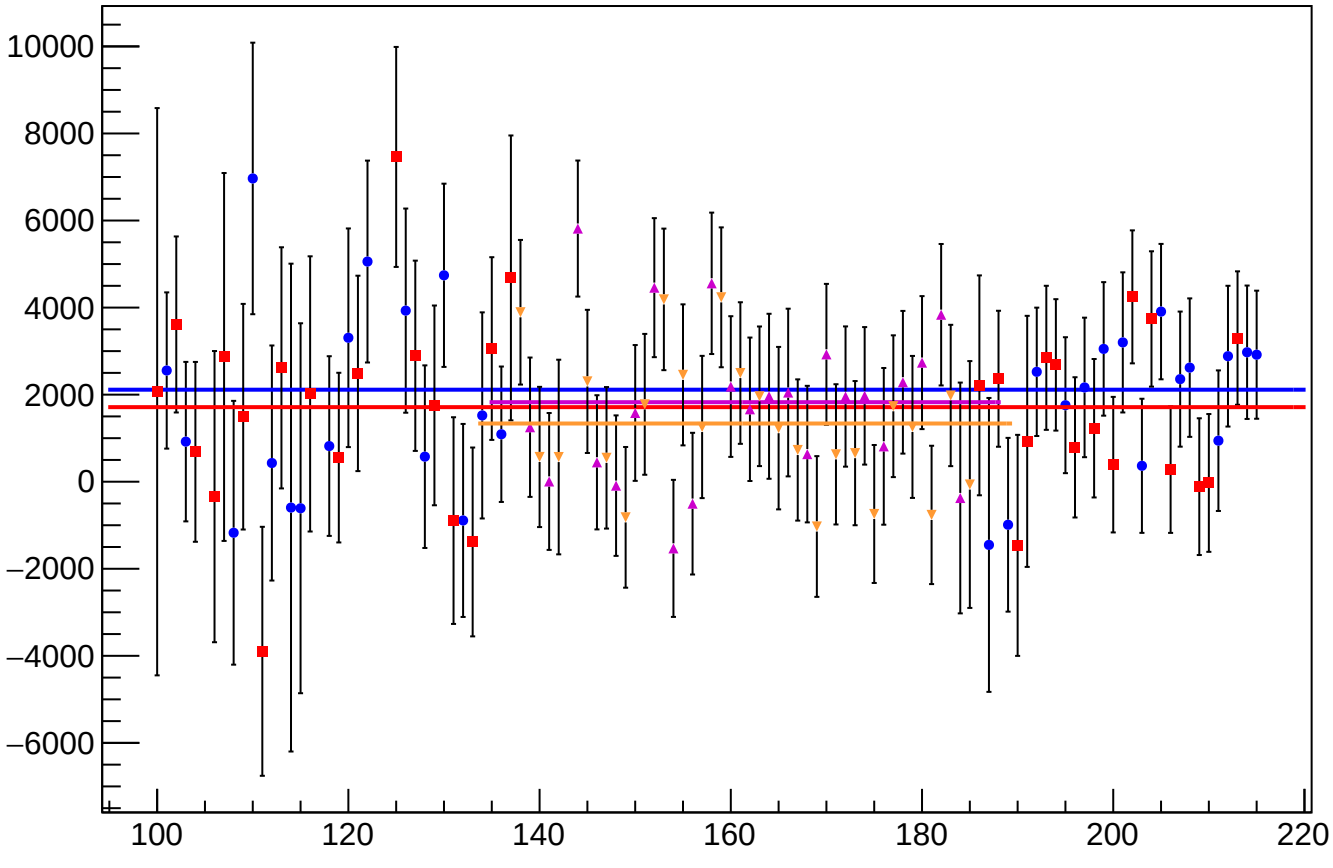
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 19063973.9/64

In: 0.000+/-0.000 χ^2/NDF:19371915.8/53

Out: 0.000+/-0.000 χ^2/NDF:22522390.8/58

All: 0.000+/-0.000 χ^2/NDF: 41943229.6/112



Right In: 2113.727+/-337.826 χ^2/NDF: 21.0/30

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1712.894+/-347.898 χ^2/NDF: 28.9/32

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

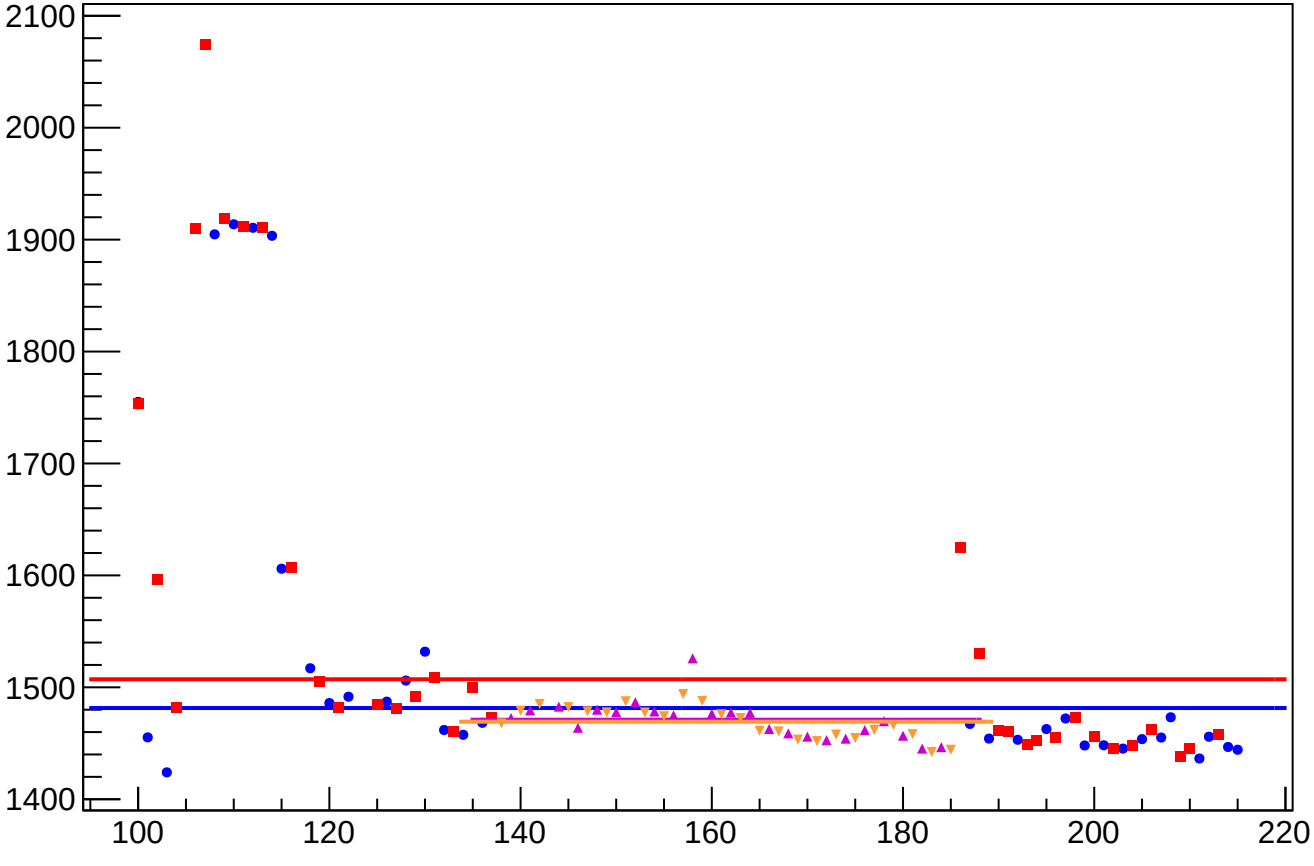
Right: 1919.197+/-242.362 χ^2/NDF: 50.6/63

In: 1972.546+/-240.854 χ^2/NDF:47.8/53

Out: 1521.195+/-243.530 χ^2/NDF:48.7/56

All: 1749.364+/-171.248 χ^2/NDF: 98.2/110

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1481.490+/-0.239 χ^2/NDF: 156031.7/30

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1507.191+/-0.246 χ^2/NDF: 242434.7/32

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

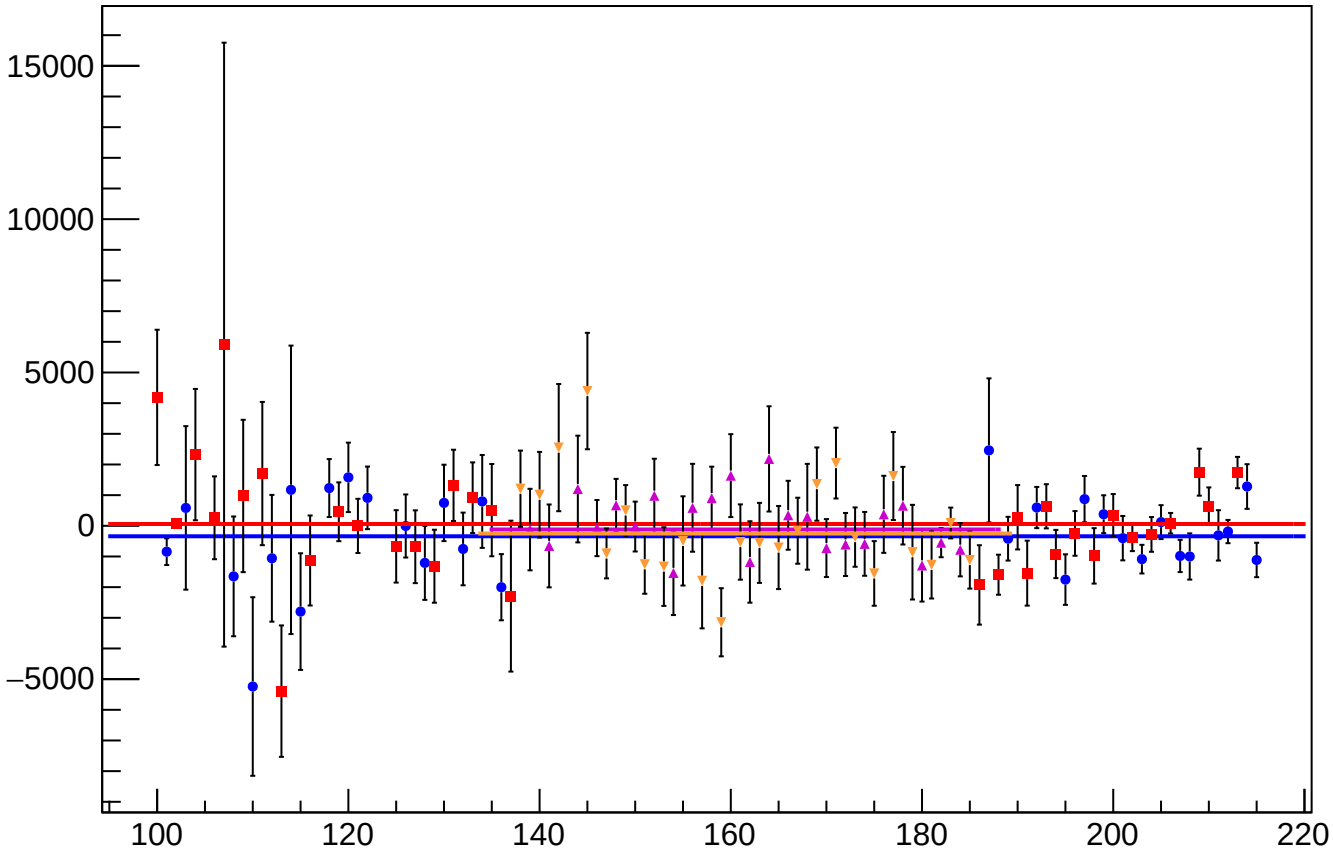
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1493.963+/-0.171 χ^2/NDF: 404084.0/63

In: 1476.359+/-0.170 χ^2/NDF:161612.7/53

Out: 1487.850+/-0.172 χ^2/NDF:257710.4/56

All: 1482.041+/-0.121 χ^2/NDF: 421574.1/110



Right In: -341.041+/-138.252 χ^2/NDF: 41.0/30

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 59.645+/-100.079 χ^2/NDF: 50.5/32

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

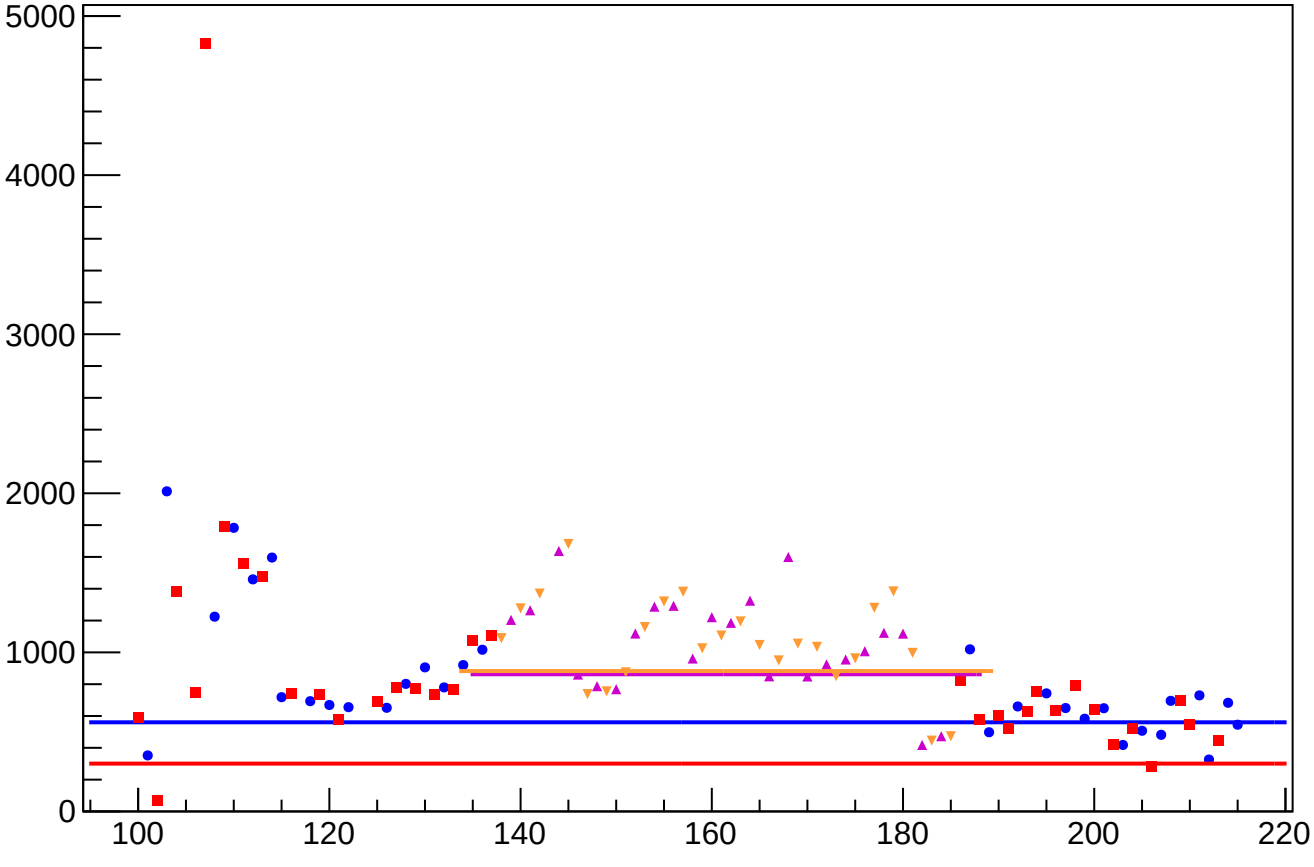
Right: -78.126+/-81.068 χ^2/NDF: 97.0/63

In: -276.735+/-116.439 χ^2/NDF:54.6/53

Out: 5.618+/-90.979 χ^2/NDF:84.9/56

All: -101.416+/-71.690 χ^2/NDF: 143.1/110

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 560.419+/-0.098 χ^2/NDF: 4497126.7/30

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 300.779+/-0.071 χ^2/NDF: 16700412.1/32

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

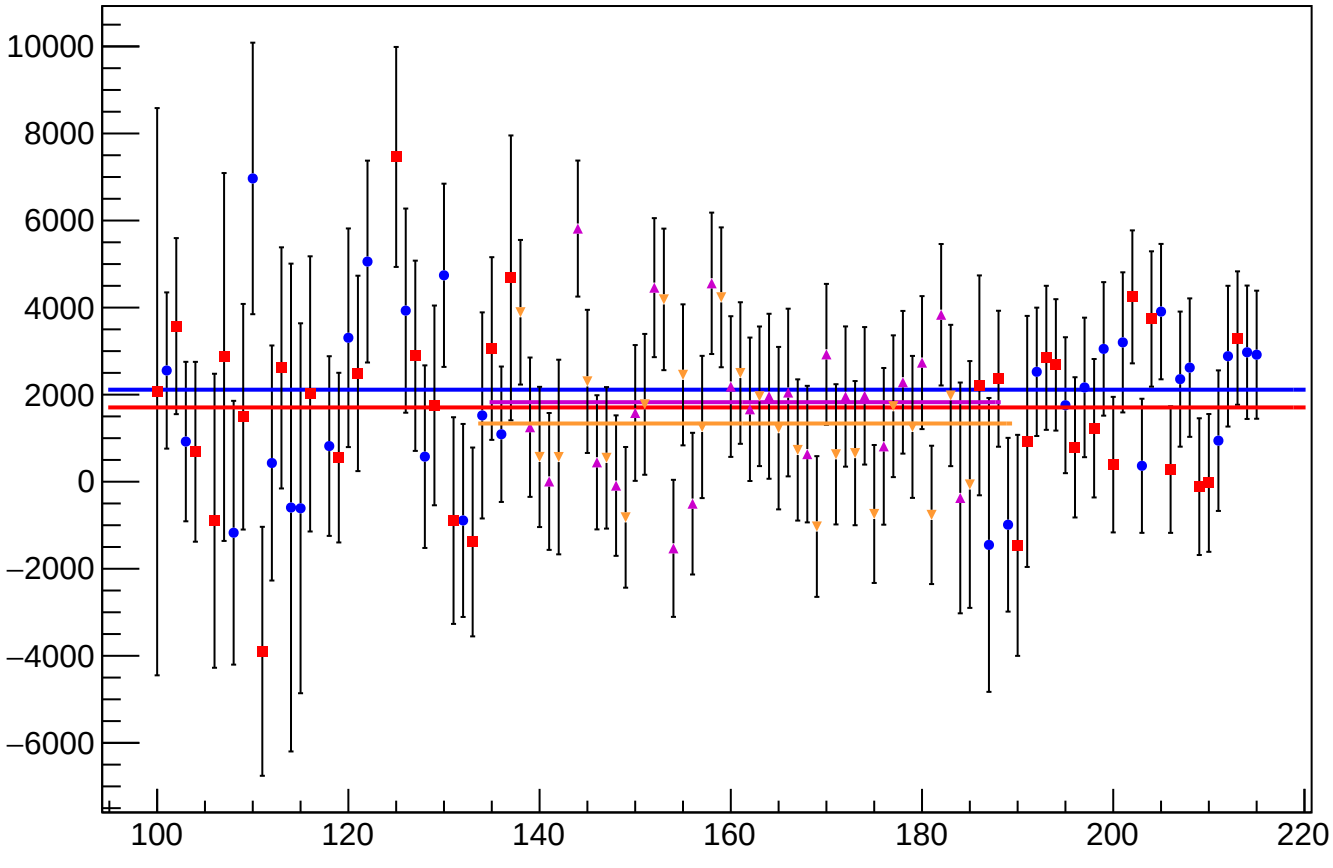
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 390.053+/-0.057 χ^2/NDF: 25826095.3/63

In: 648.164+/-0.082 χ^2/NDF:11638207.9/53

Out: 401.742+/-0.064 χ^2/NDF:32328307.7/56

All: 495.155+/-0.051 χ^2/NDF: 49528520.0/11



Right In: 2113.800+/-337.826 χ^2/NDF: 21.0/30

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1706.298+/-347.935 χ^2/NDF: 29.1/32

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

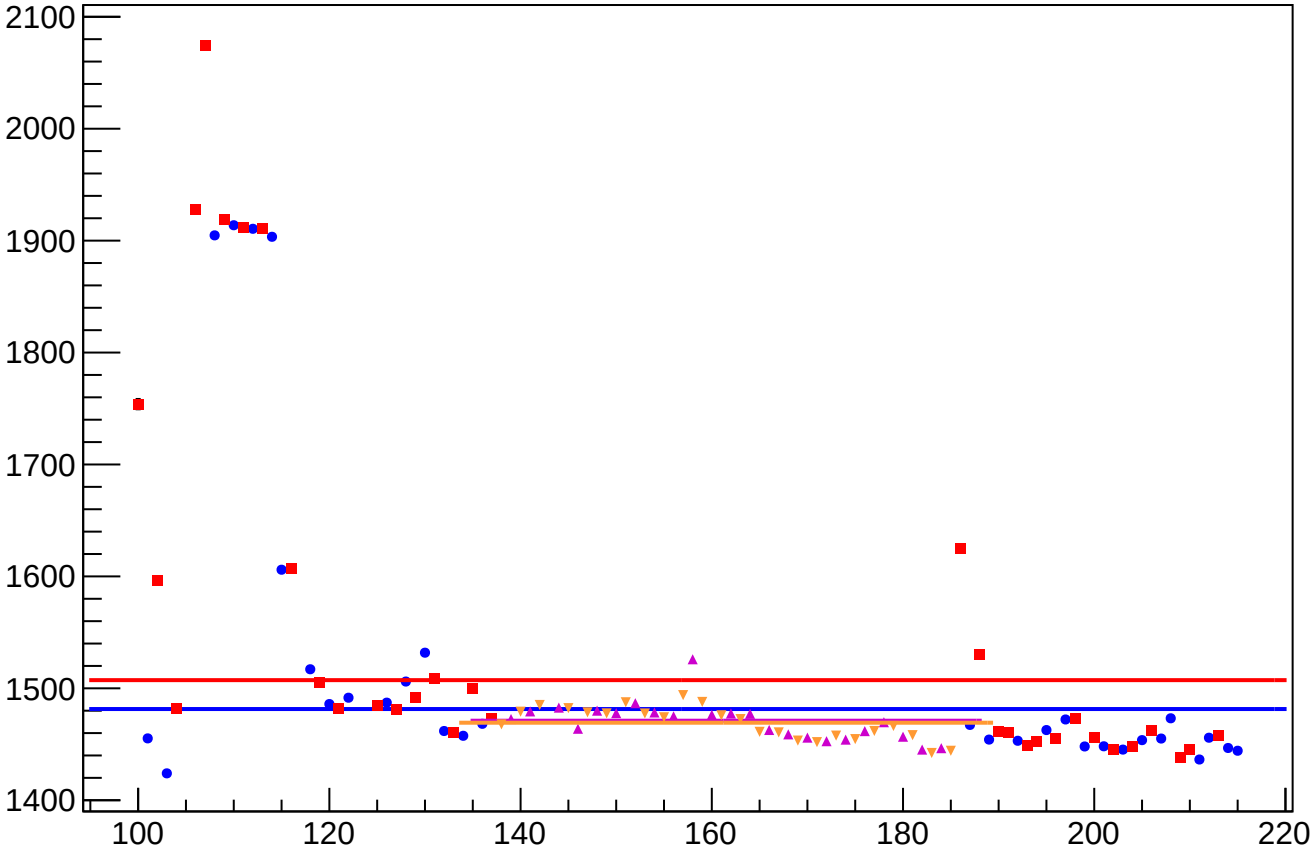
Right: 1916.055+/-242.374 χ^2/NDF: 50.8/63

In: 1972.606+/-240.854 χ^2/NDF:47.8/53

Out: 1517.948+/-243.543 χ^2/NDF:48.9/56

All: 1747.800+/-171.252 χ^2/NDF: 98.4/110

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1481.490+/-0.239 χ^2/NDF: 156031.7/30

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1507.307+/-0.246 χ^2/NDF: 244546.6/32

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

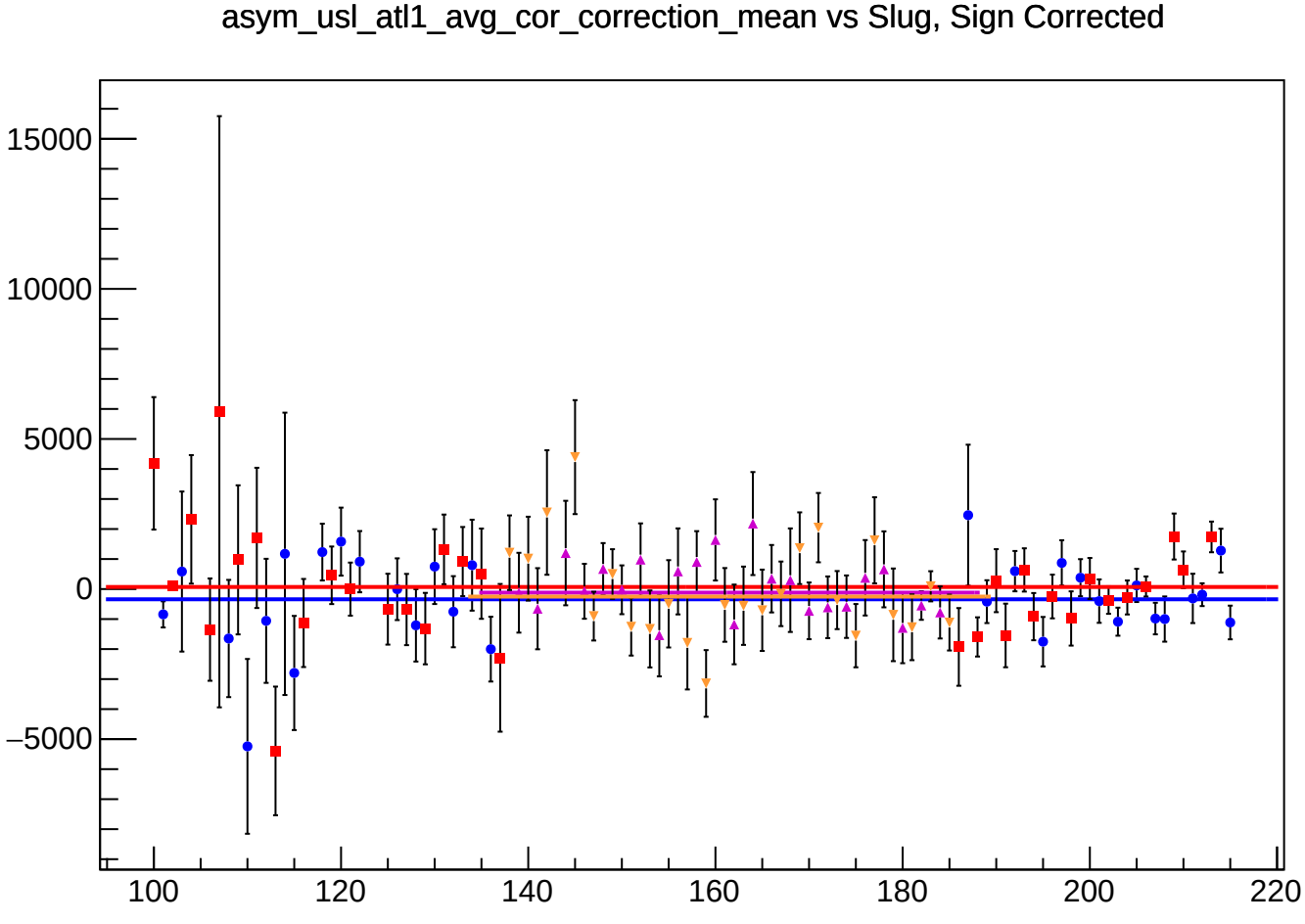
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1494.018+/-0.171 χ^2/NDF: 406246.4/63

In: 1476.359+/-0.170 χ^2/NDF:161612.6/53

Out: 1487.905+/-0.172 χ^2/NDF:259895.7/56

All: 1482.068+/-0.121 χ^2/NDF: 423780.9/110



Right In: -341.053+/-138.249 χ^2/NDF: 41.0/30

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 69.281+/-104.872 χ^2/NDF: 51.2/32

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

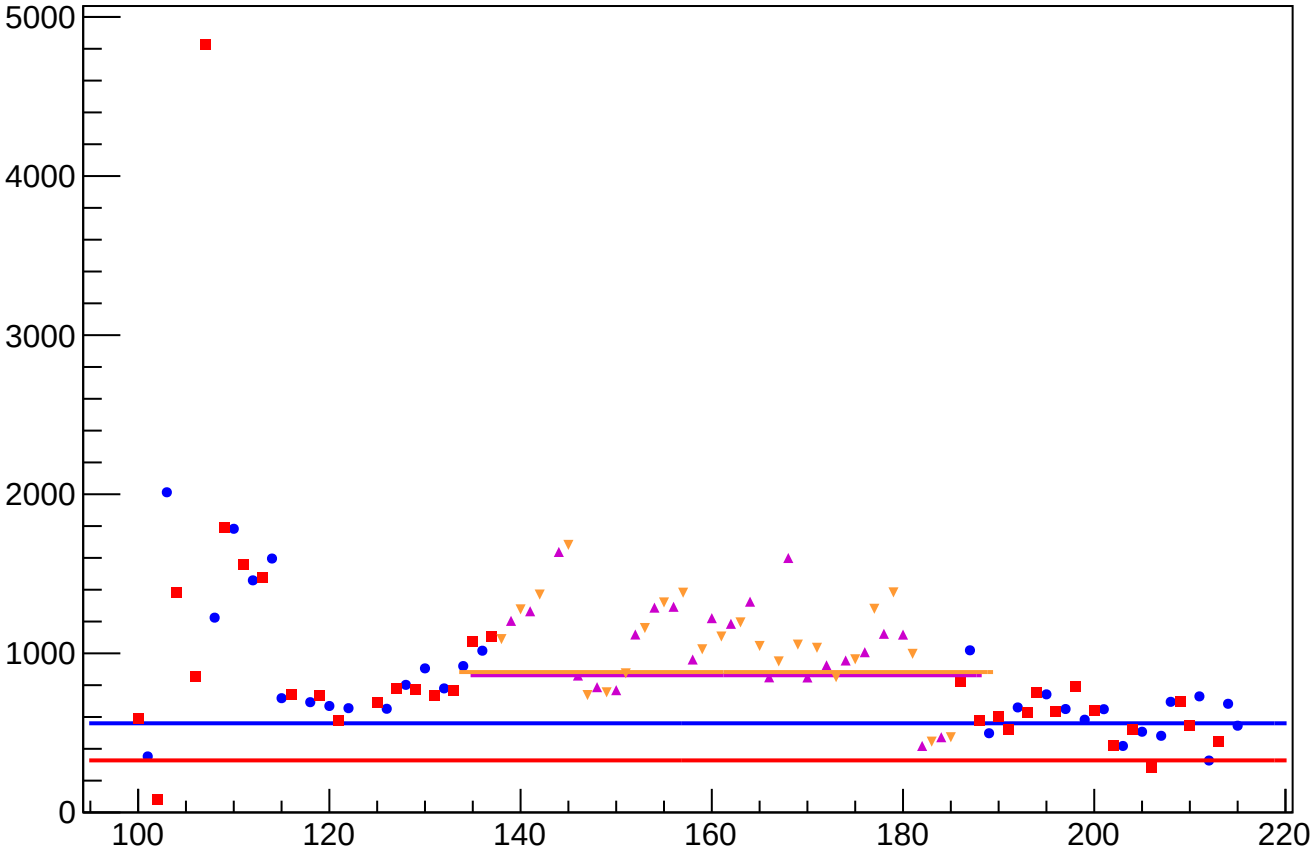
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -80.595+/-83.553 χ^2/NDF: 97.8/63

In: -276.758+/-116.437 χ^2/NDF:54.6/53

Out: 9.144+/-94.535 χ^2/NDF:85.7/56

All: -104.443+/-73.392 χ^2/NDF: 143.9/110



Right In: 560.403+/-0.098 χ^2/NDF: 4497675.8/30

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 327.217+/-0.074 χ^2/NDF: 15232004.6/32

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

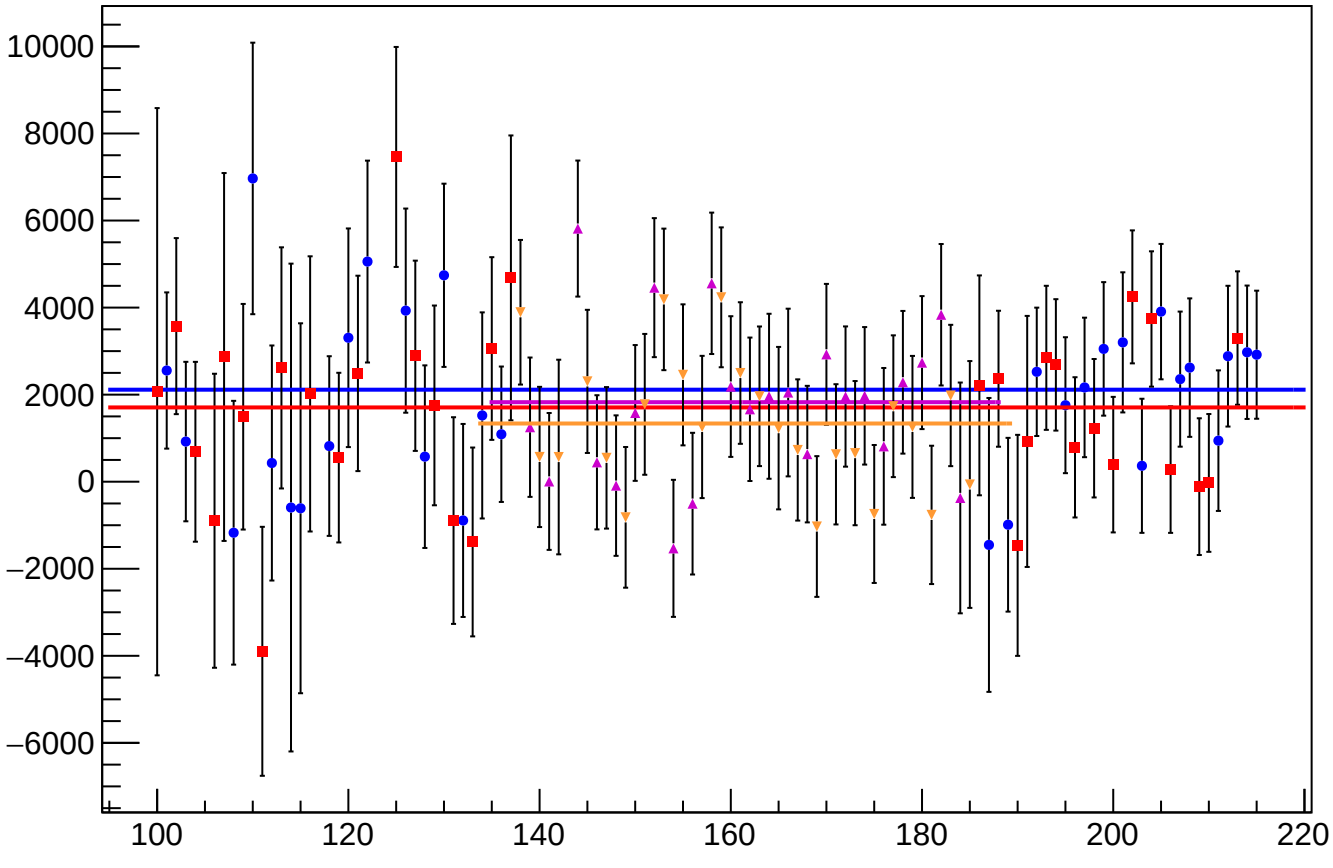
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 412.390+/-0.059 χ^2/NDF: 23341350.7/63

In: 648.150+/-0.082 χ^2/NDF:11639123.1/53

Out: 431.272+/-0.067 χ^2/NDF:29639249.5/56

All: 517.436+/-0.052 χ^2/NDF: 45460364.8/1



Right In: 2113.800+/-337.826 χ^2/NDF: 21.0/30

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1706.298+/-347.935 χ^2/NDF: 29.1/32

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

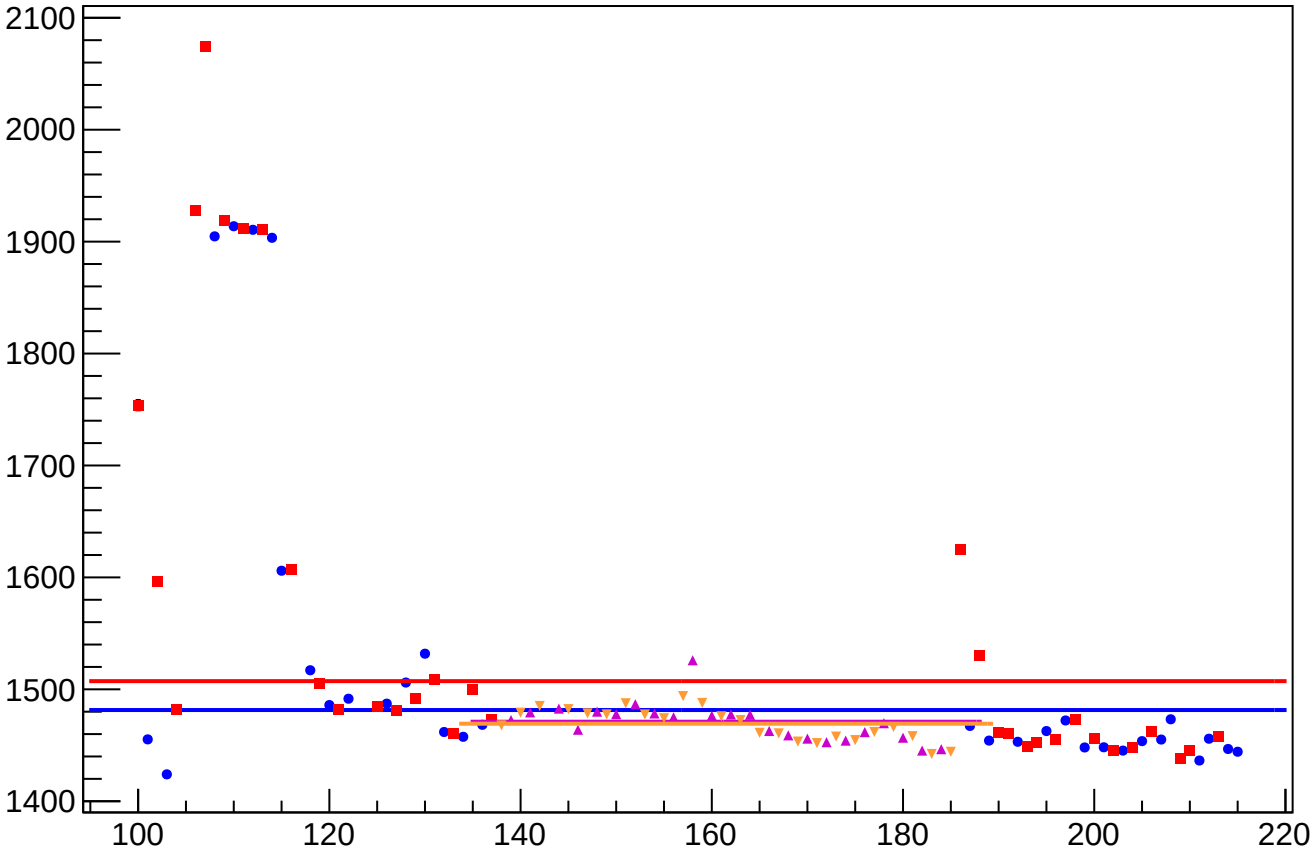
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1916.055+/-242.374 χ^2/NDF: 50.8/63

In: 1972.606+/-240.854 χ^2/NDF:47.8/53

Out: 1517.948+/-243.543 χ^2/NDF:48.9/56

All: 1747.800+/-171.252 χ^2/NDF: 98.4/110



Right In: 1481.490+/-0.239 χ^2/NDF: 156031.7/30

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1507.307+/-0.246 χ^2/NDF: 244546.6/32

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

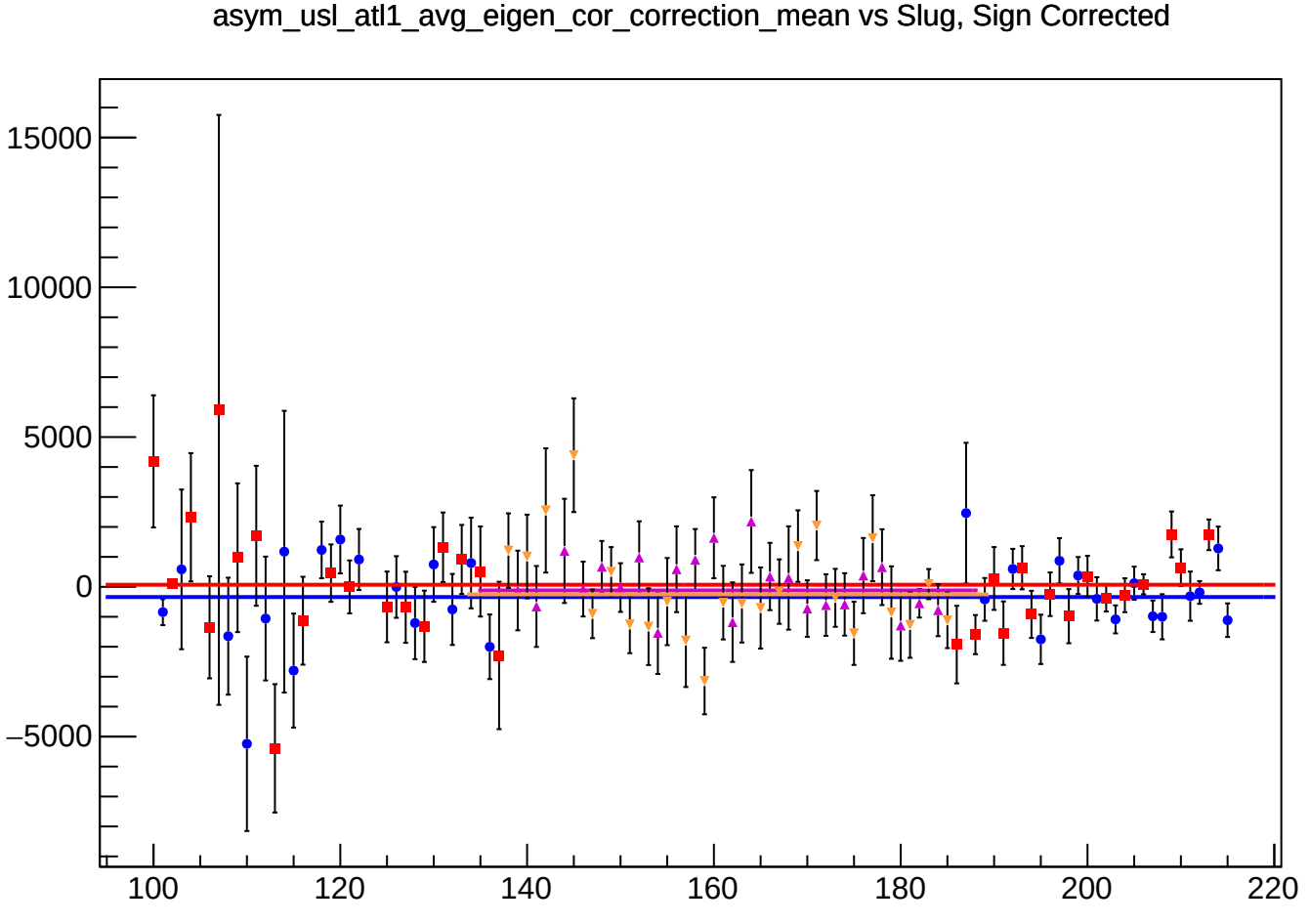
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

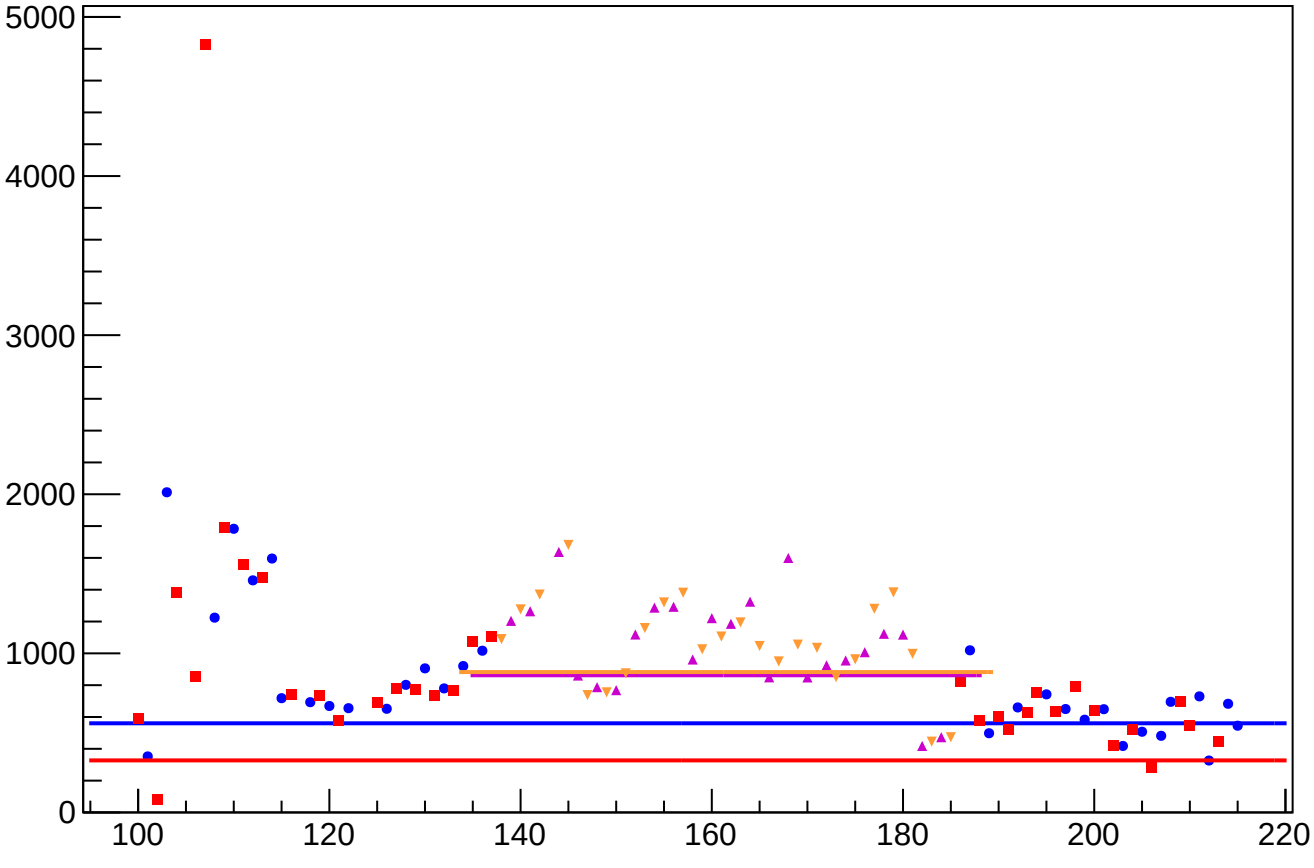
Right: 1494.018+/-0.171 χ^2/NDF: 406246.4/63

In: 1476.359+/-0.170 χ^2/NDF:161612.6/53

Out: 1487.905+/-0.172 χ^2/NDF:259895.7/56

All: 1482.068+/-0.121 χ^2/NDF: 423780.9/110


asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -341.053+/-138.249 χ²/NDF: 41.0/30
Left Out: -251.589+/-218.368 χ²/NDF:32.7/23
Right Out: 69.281+/-104.872 χ²/NDF: 51.2/32
Left In: -119.845+/-215.975 χ²/NDF:12.8/22
Left: -184.992+/-153.556 χ²/NDF: 45.7/46
Right: -80.595+/-83.553 χ²/NDF: 97.8/63
In: -276.758+/-116.437 χ²/NDF:54.6/53
Out: 9.144+/-94.535 χ²/NDF:85.7/56
All: -104.443+/-73.392 χ²/NDF: 143.9/110



Right In: 560.403+/-0.098 χ^2/NDF: 4497675.8/30

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 327.217+/-0.074 χ^2/NDF: 15232004.6/32

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

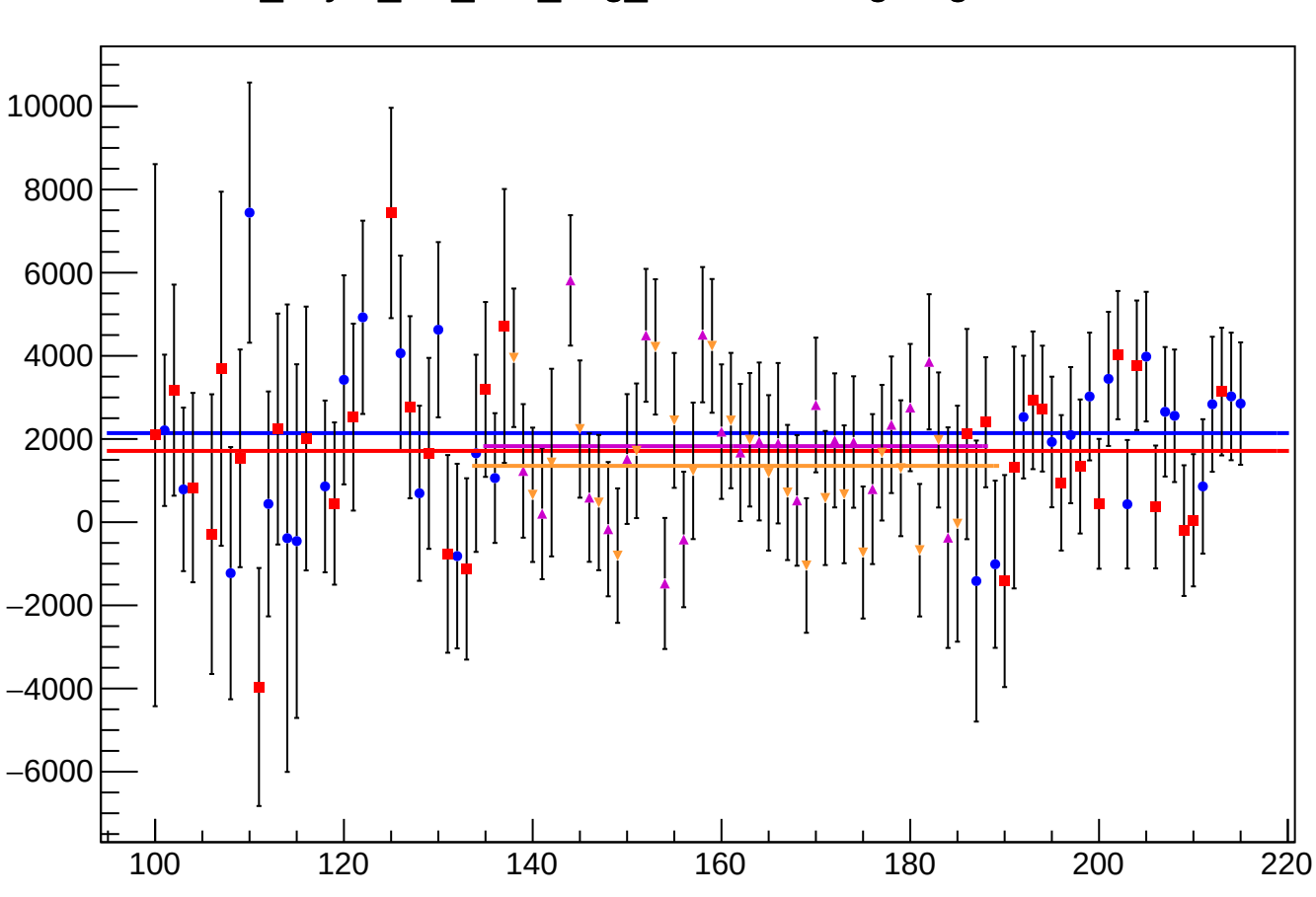
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 412.390+/-0.059 χ^2/NDF: 23341350.7/63

In: 648.150+/-0.082 χ^2/NDF:11639123.1/53

Out: 431.272+/-0.067 χ^2/NDF:29639249.5/56

All: 517.436+/-0.052 χ^2/NDF: 45460364.8/1



Right In: 2142.202+/-339.739 χ^2/NDF: 21.3/30

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1713.747+/-352.223 χ^2/NDF: 27.0/32

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

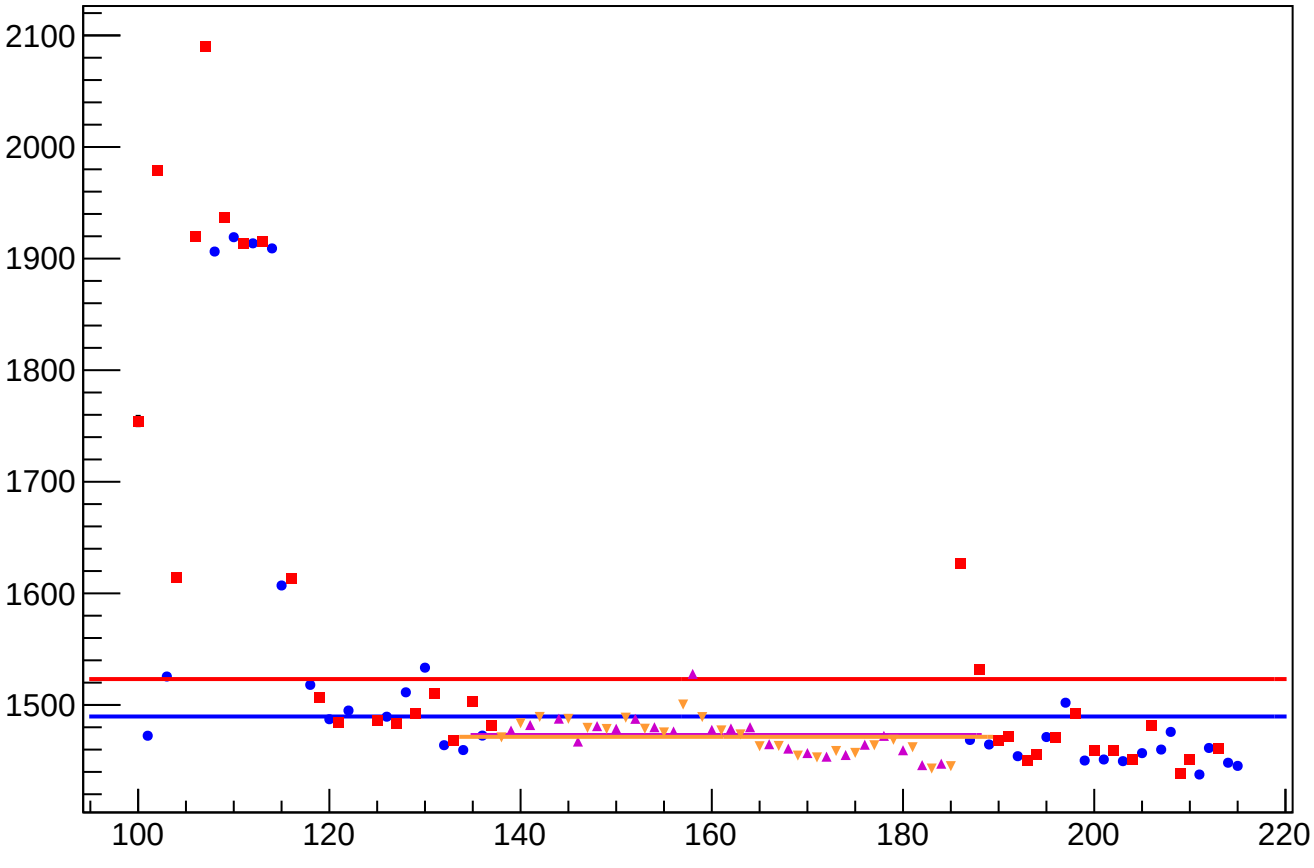
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1935.702+/-244.526 χ^2/NDF: 49.0/63

In: 1987.161+/-241.708 χ^2/NDF:47.5/53

Out: 1528.189+/-245.206 χ^2/NDF:46.5/56

All: 1760.972+/-172.137 χ^2/NDF: 95.8/110



Right In: 1489.664+/-0.240 χ^2/NDF: 153874.2/30

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1523.204+/-0.249 χ^2/NDF: 307815.0/32

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

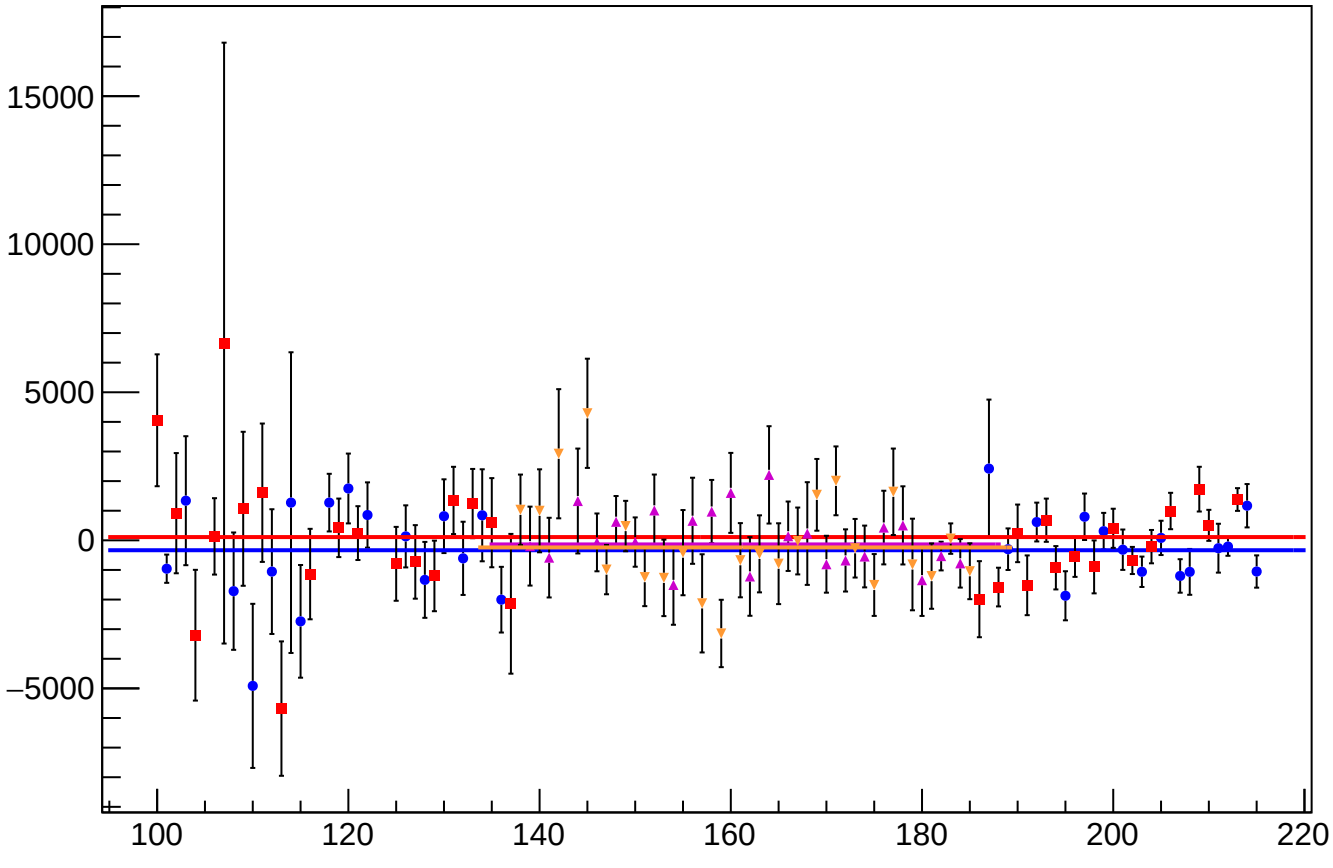
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1505.829+/-0.173 χ^2/NDF: 471083.8/63

In: 1481.459+/-0.171 χ^2/NDF:160987.7/53

Out: 1496.525+/-0.173 χ^2/NDF:333515.7/56

All: 1488.884+/-0.122 χ^2/NDF: 498333.2/110



Right In: -334.294+/-137.110 χ^2/NDF: 40.9/30

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 110.015+/-147.758 χ^2/NDF: 57.6/32

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

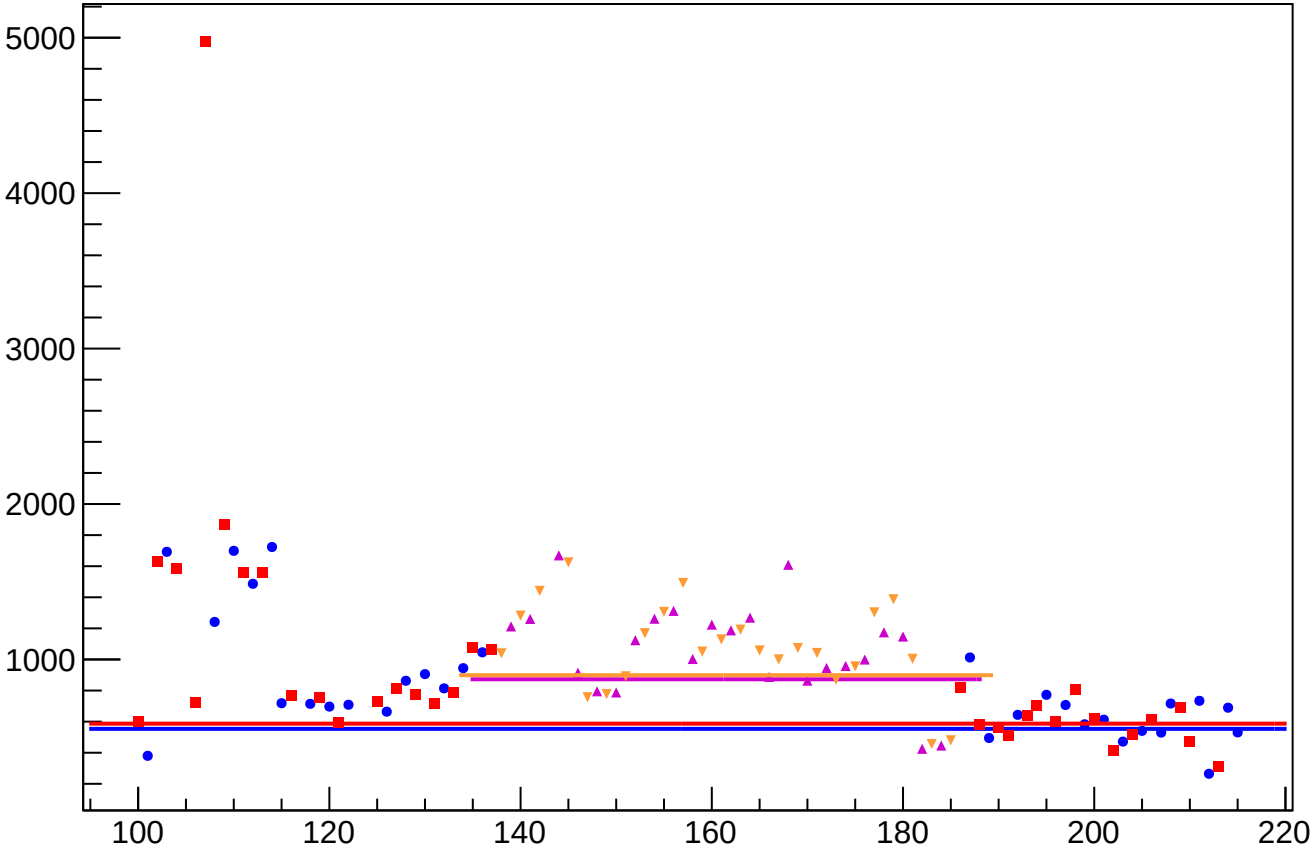
Right: -128.724+/-100.505 χ^2/NDF: 103.4/63

In: -278.948+/-116.135 χ^2/NDF:54.5/53

Out: 2.337+/-122.968 χ^2/NDF:91.8/56

All: -146.338+/-84.432 χ^2/NDF: 149.0/110

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 553.586+/-0.097 χ^2/NDF: 5345142.6/30

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 587.151+/-0.104 χ^2/NDF: 4850204.4/32

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

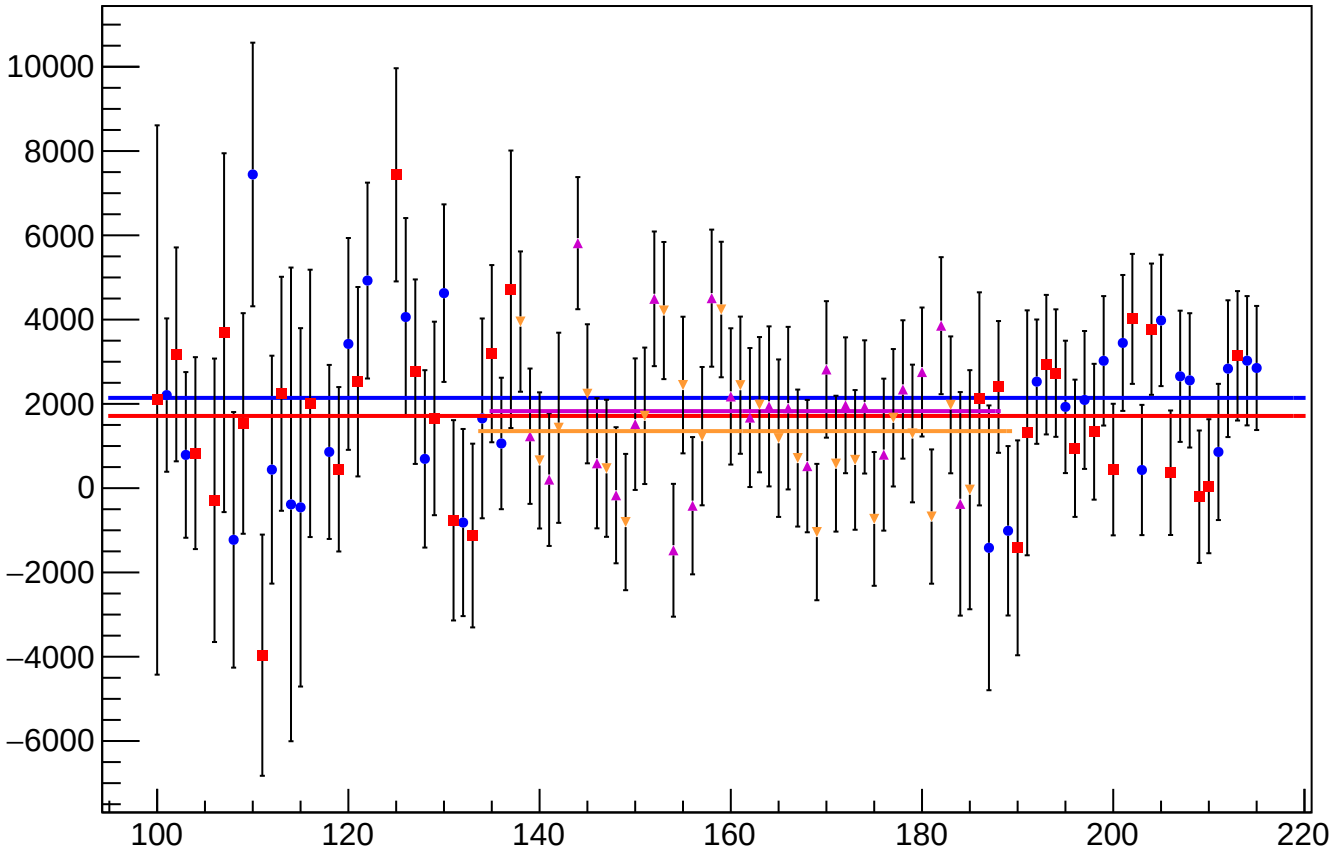
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 569.116+/-0.071 χ^2/NDF: 10250802.4/63

In: 643.690+/-0.082 χ^2/NDF:12837491.7/53

Out: 682.968+/-0.087 χ^2/NDF:11377647.7/56

All: 662.208+/-0.060 χ^2/NDF: 24322993.5/11



Right In: 2142.201+/-339.739 χ^2/NDF: 21.3/30

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1713.746+/-352.223 χ^2/NDF: 27.0/32

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

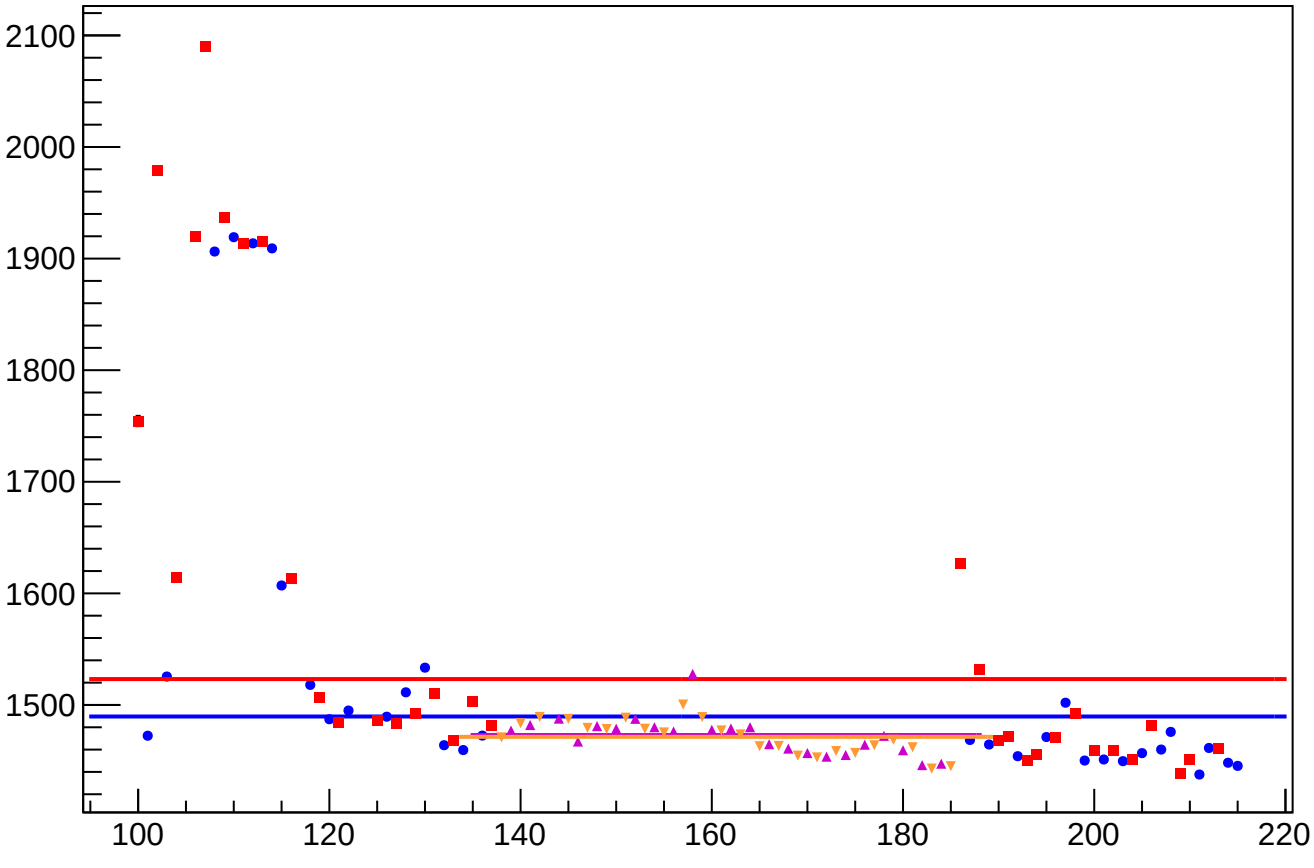
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1935.701+/-244.526 χ^2/NDF: 49.0/63

In: 1987.160+/-241.708 χ^2/NDF:47.5/53

Out: 1528.188+/-245.206 χ^2/NDF:46.5/56

All: 1760.972+/-172.137 χ^2/NDF: 95.8/110



Right In: 1489.664+/-0.240 χ^2/NDF: 153874.1/30

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1523.203+/-0.249 χ^2/NDF: 307814.5/32

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

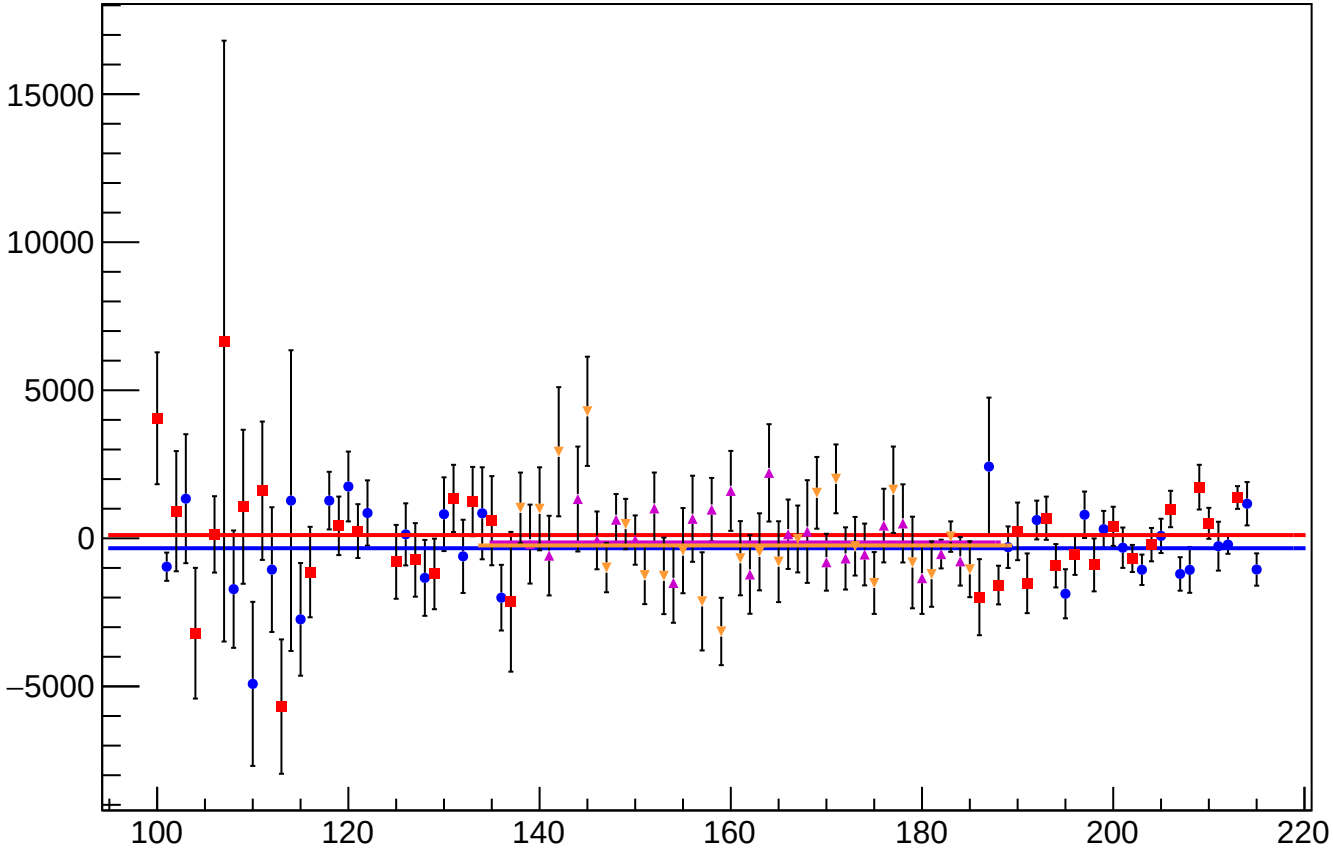
Right: 1505.829+/-0.173 χ^2/NDF: 471083.2/63

In: 1481.459+/-0.171 χ^2/NDF:160987.6/53

Out: 1496.525+/-0.173 χ^2/NDF:333515.1/56

All: 1488.884+/-0.122 χ^2/NDF: 498332.5/110

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -334.294+/-137.110 χ^2/NDF: 40.9/30

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 110.015+/-147.758 χ^2/NDF: 57.6/32

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

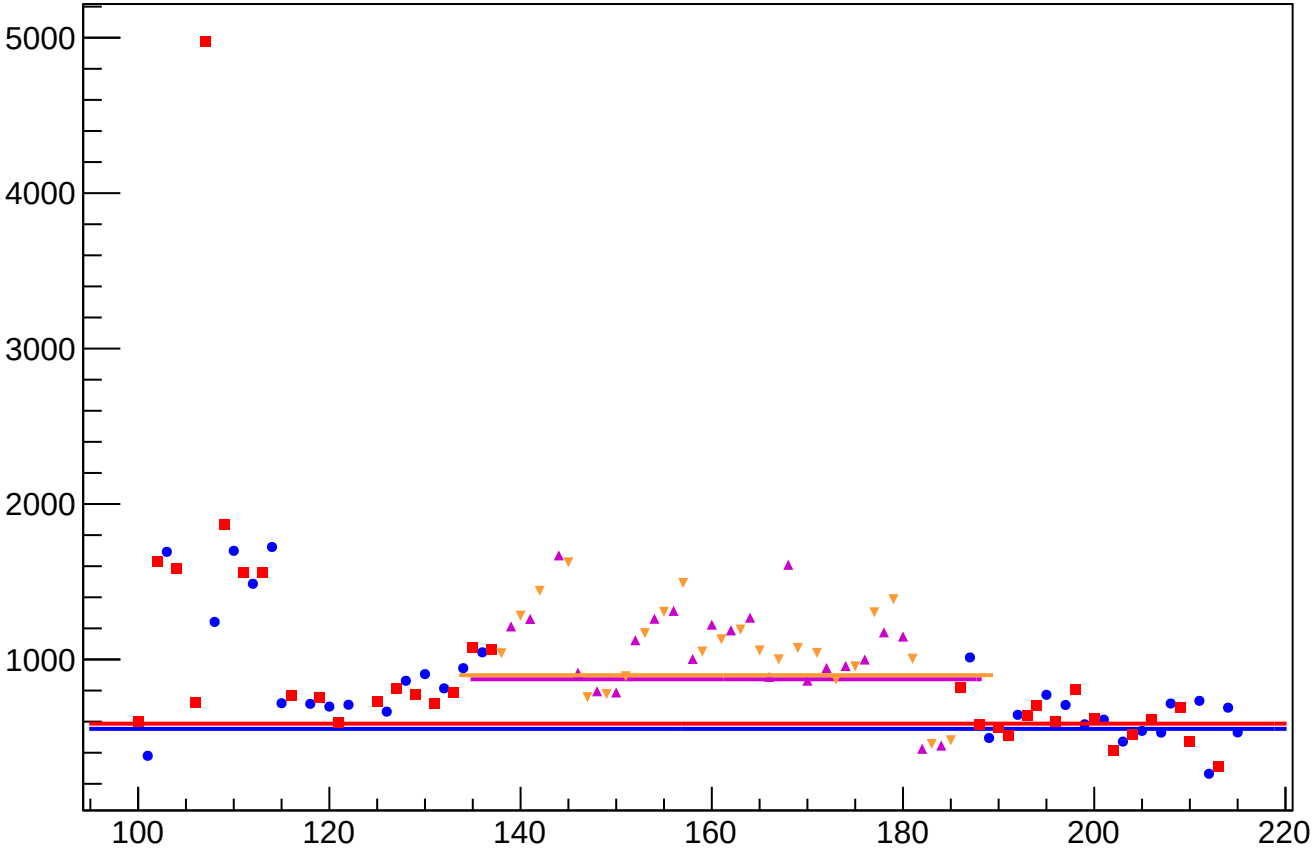
Right: -128.724+/-100.505 χ^2/NDF: 103.4/63

In: -278.949+/-116.135 χ^2/NDF:54.5/53

Out: 2.337+/-122.968 χ^2/NDF:91.8/56

All: -146.338+/-84.432 χ^2/NDF: 149.0/110

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 553.586+/-0.097 χ^2/NDF: 5345138.6/30

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 587.152+/-0.104 χ^2/NDF: 4850202.3/32

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

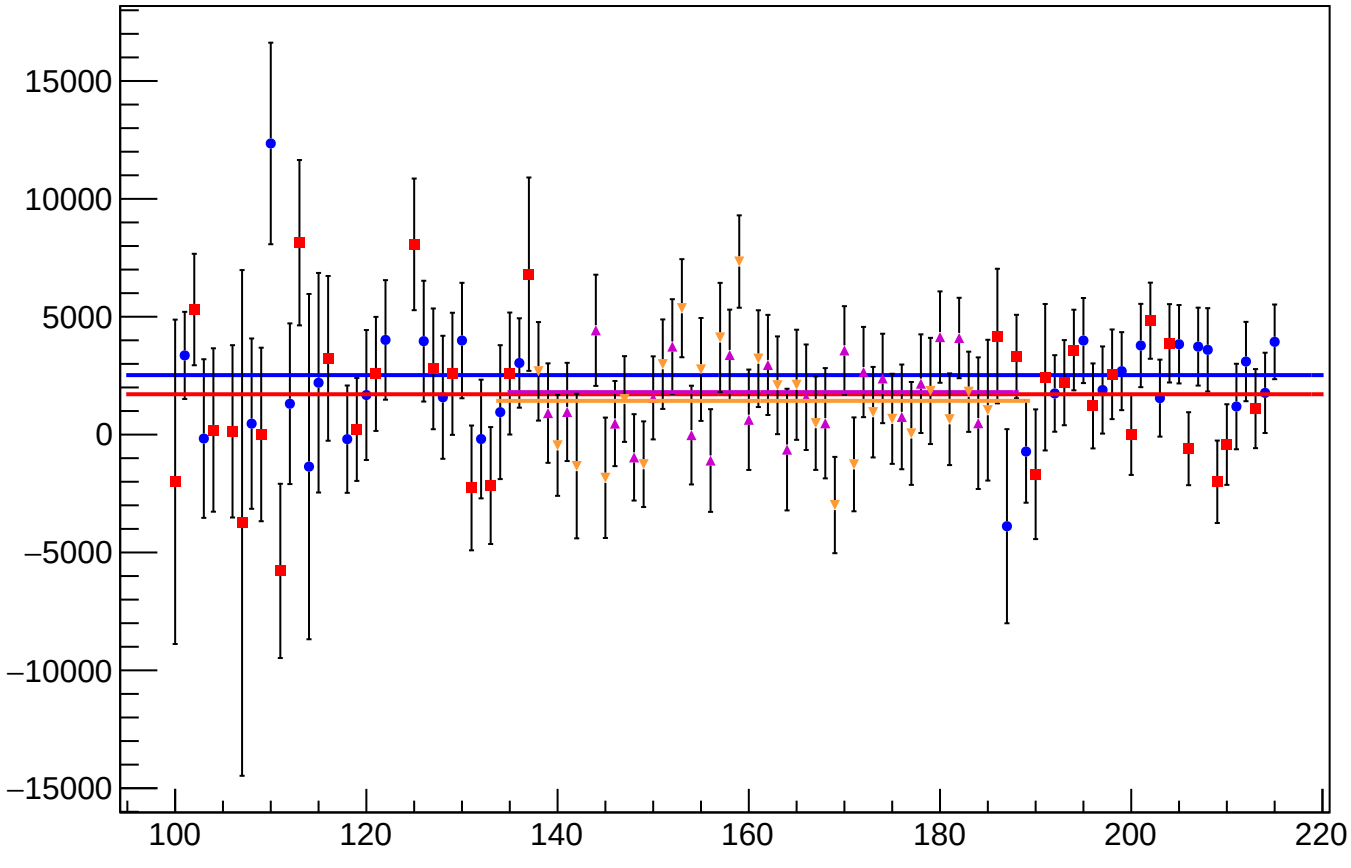
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 569.116+/-0.071 χ^2/NDF: 10250796.4/63

In: 643.691+/-0.082 χ^2/NDF:12837503.2/53

Out: 682.969+/-0.087 χ^2/NDF:11377660.0/56

All: 662.208+/-0.060 χ^2/NDF: 24323017.7/11



Right In: 2523.576+/-379.907 χ^2/NDF: 20.8/30

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 1711.781+/-393.928 χ^2/NDF: 43.1/32

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

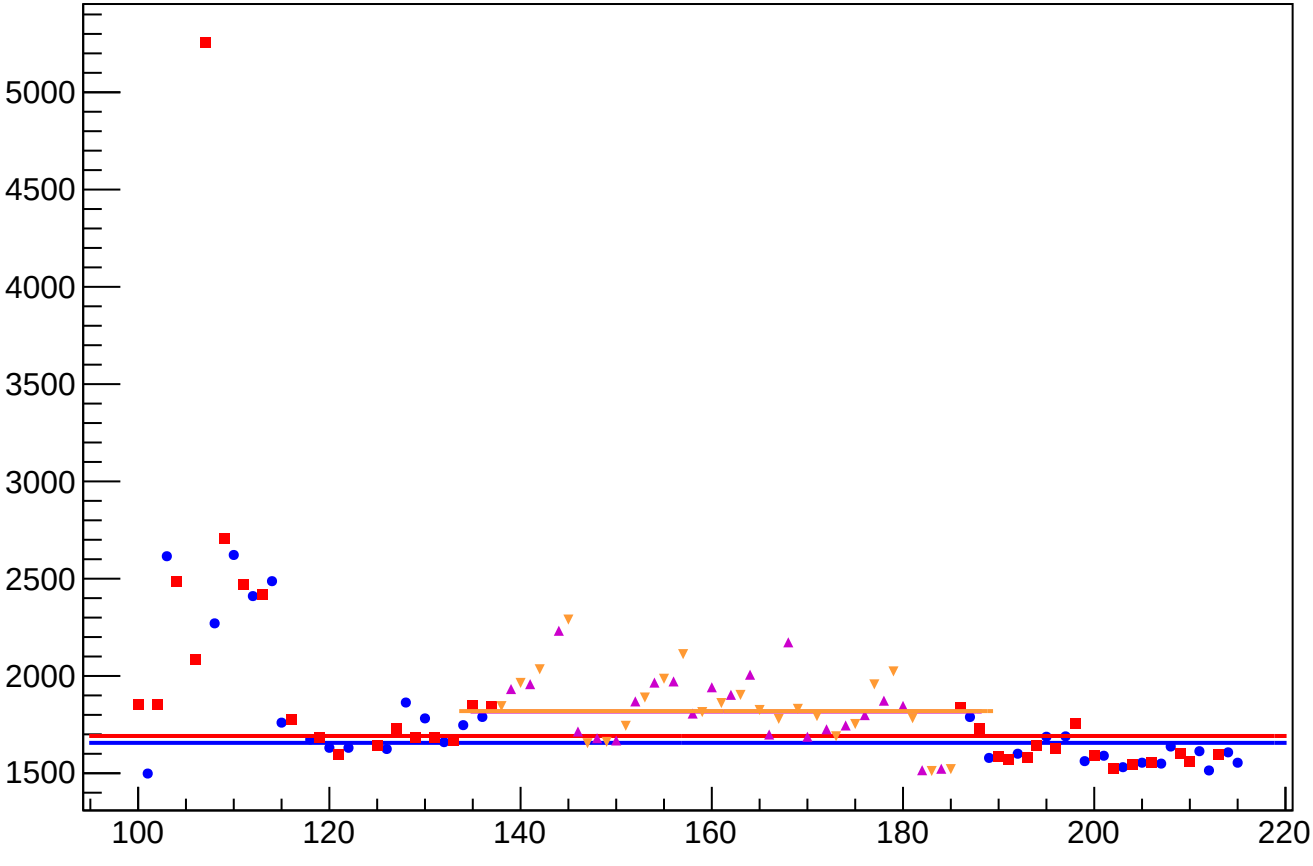
Right: 2132.383+/-273.457 χ^2/NDF: 66.1/63

In: 2204.124+/-283.678 χ^2/NDF:37.7/53

Out: 1582.924+/-288.742 χ^2/NDF:72.7/56

All: 1899.019+/-202.357 χ^2/NDF: 112.7/110

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1656.167+/-0.269 χ^2/NDF: 562965.2/30

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1691.524+/-0.279 χ^2/NDF: 810782.3/32

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

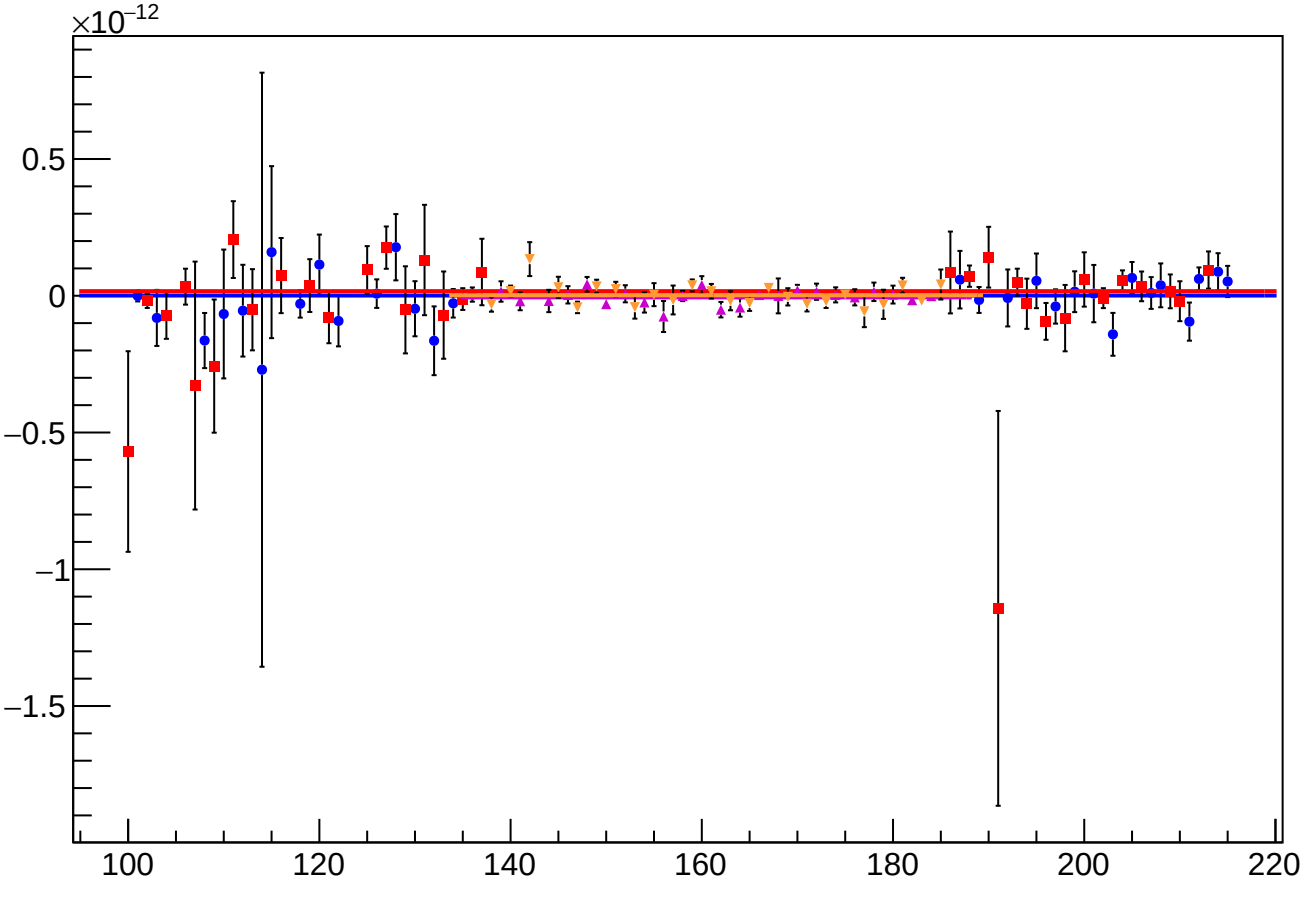
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1673.205+/-0.193 χ^2/NDF: 1382095.3/63

In: 1727.388+/-0.201 χ^2/NDF:1028937.0/53

Out: 1750.705+/-0.204 χ^2/NDF:1203347.8/56

All: 1738.840+/-0.143 χ^2/NDF: 2238921.7/11



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/32

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

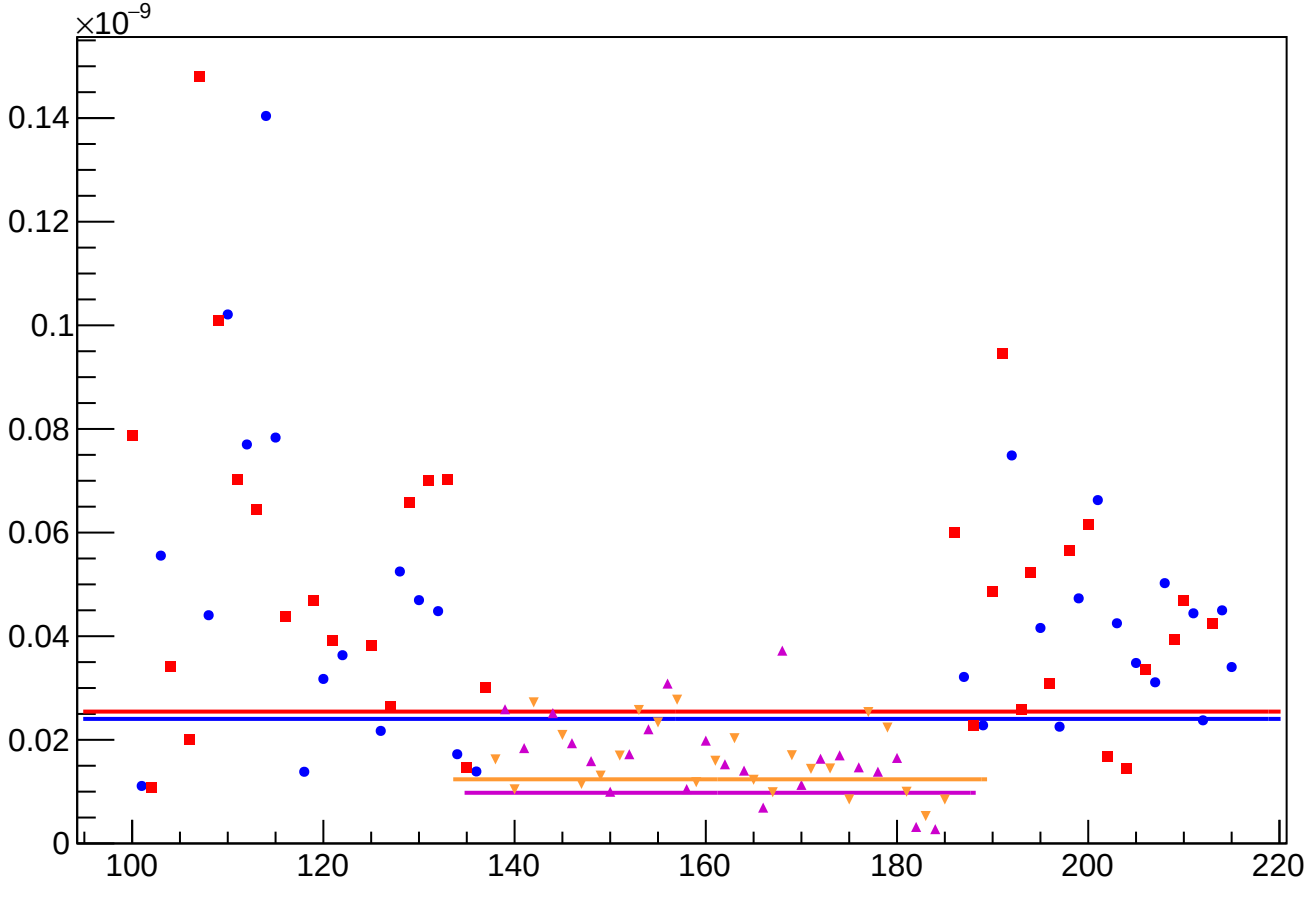
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 55.1/63

In: -0.000+/-0.000 χ^2/NDF:41.3/53

Out: 0.000+/-0.000 χ^2/NDF:61.8/56

All: -0.000+/-0.000 χ^2/NDF: 105.2/110



Right In: 0.000+/-0.000 χ^2/NDF: 4263969.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3715048.9/32

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

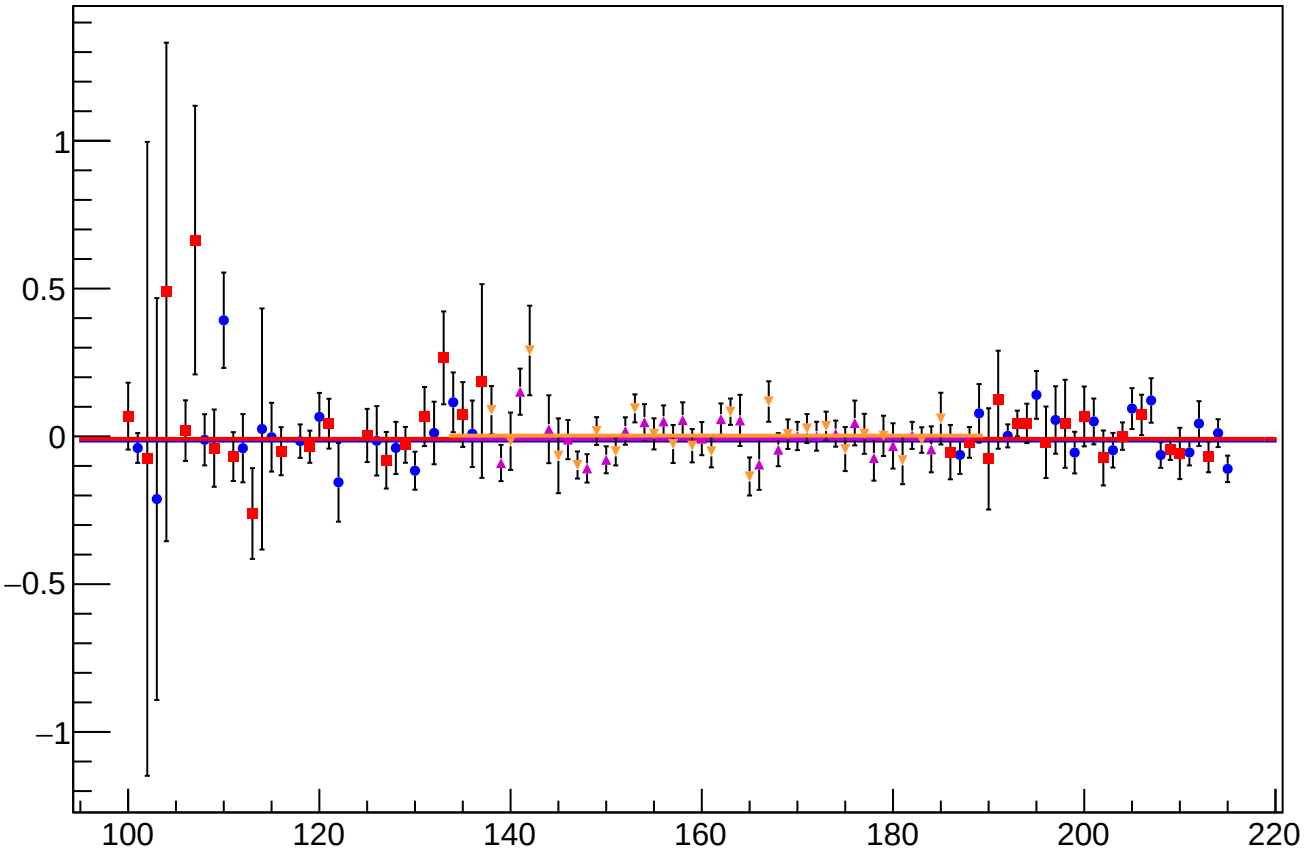
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 7995626.7/63

In: 0.000+/-0.000 χ^2/NDF:11903413.7/53

Out: 0.000+/-0.000 χ^2/NDF:7754869.9/56

All: 0.000+/-0.000 χ^2/NDF: 19970002.9/110



Right In: -0.014+/-0.012 χ^2/NDF: 33.4/30

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.009+/-0.014 χ^2/NDF: 20.8/32

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

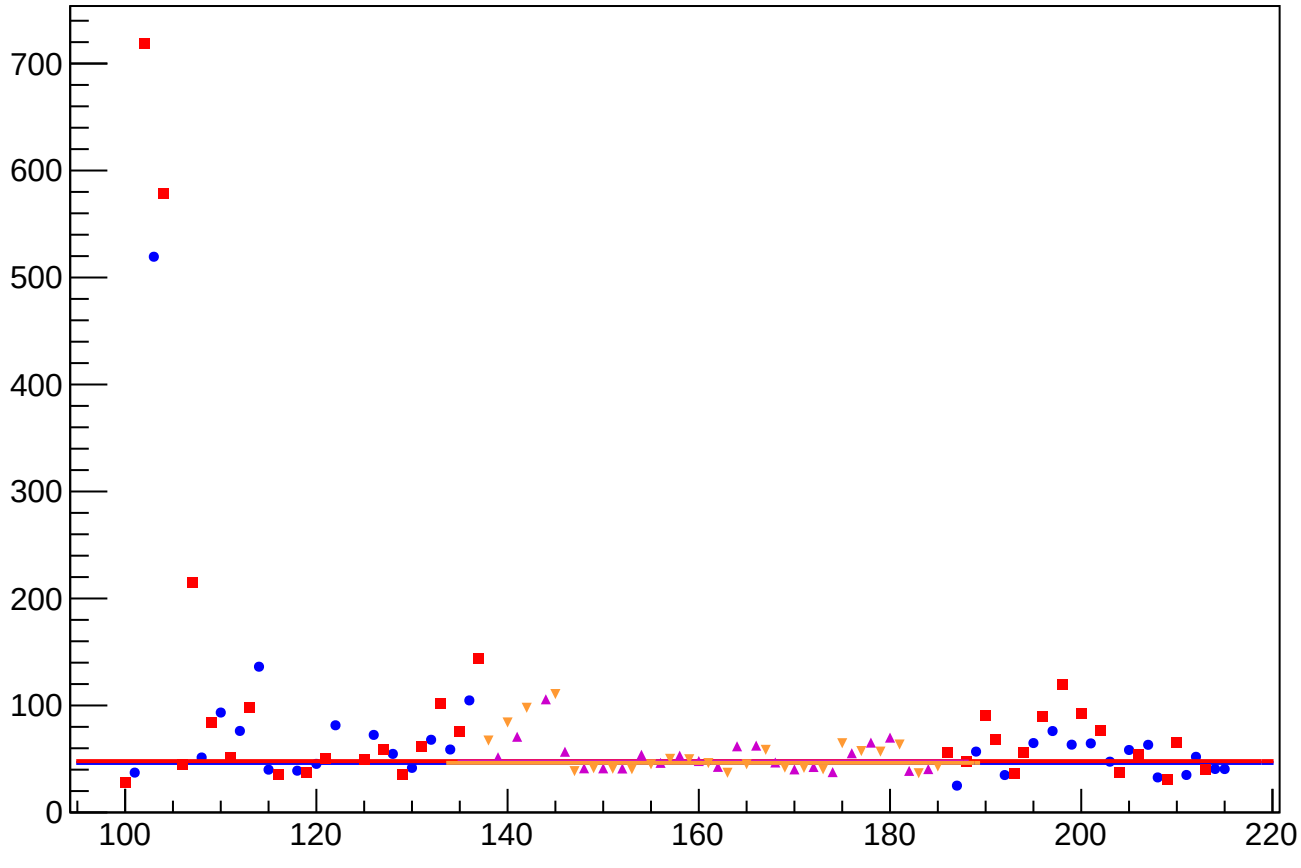
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.012+/-0.009 χ^2/NDF: 54.3/63

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.006+/-0.006 χ^2/NDF: 106.7/110



Right In: 46.287+/-0.009 χ^2/NDF: 3845772.4/30

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 47.983+/-0.010 χ^2/NDF: 5396357.3/32

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

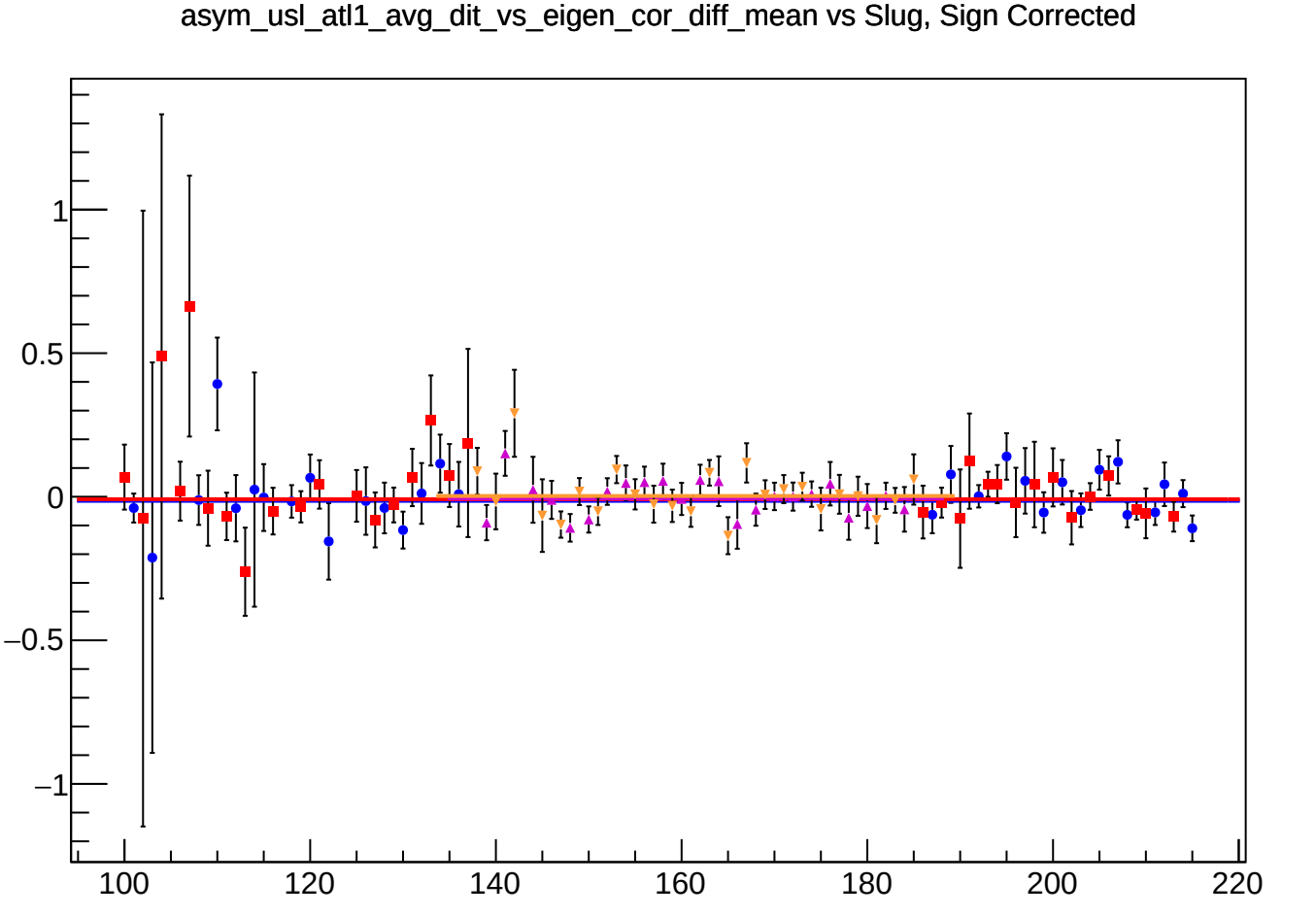
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 47.059+/-0.007 χ^2/NDF: 9258916.1/63

In: 46.950+/-0.006 χ^2/NDF:5432912.7/53

Out: 47.056+/-0.006 χ^2/NDF:7380293.1/56

All: 47.001+/-0.004 χ^2/NDF: 12813350.0/110



Right In: -0.014+/-0.012 χ^2/NDF: 33.4/30

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.009+/-0.014 χ^2/NDF: 20.8/32

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

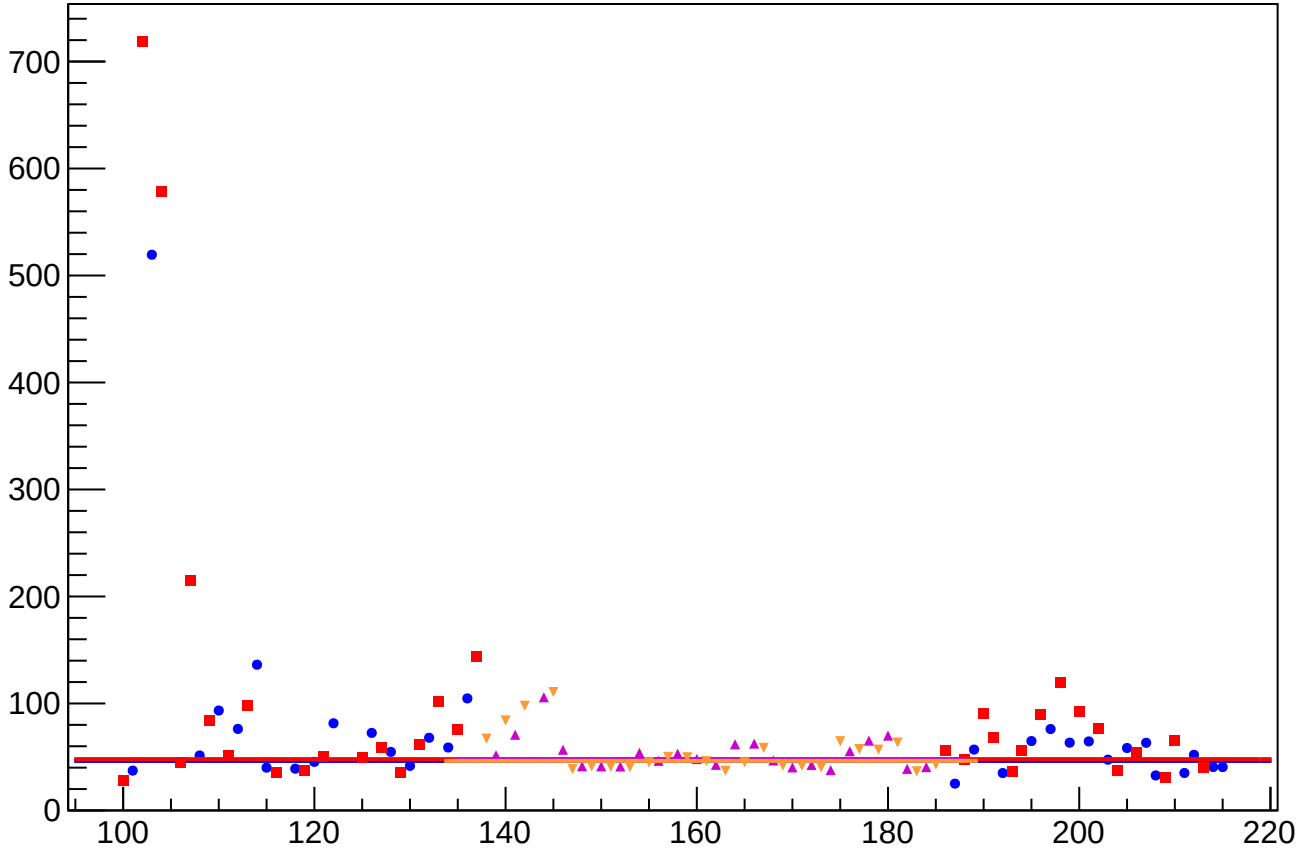
Right: -0.012+/-0.009 χ^2/NDF: 54.3/63

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.006+/-0.006 χ^2/NDF: 106.7/110

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.287+/-0.009 χ^2/NDF: 3845772.4/30

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 47.983+/-0.010 χ^2/NDF: 5396357.3/32

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

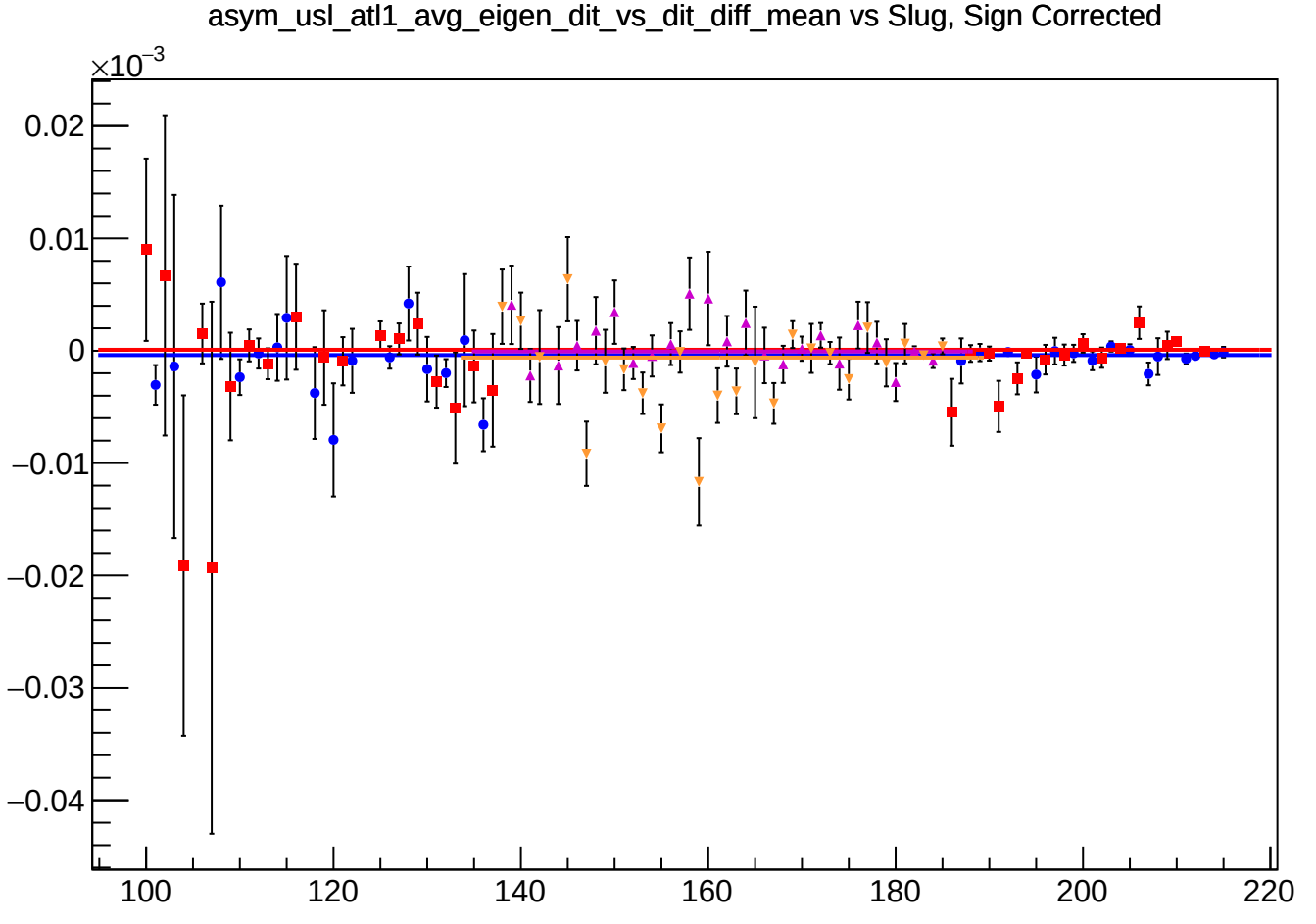
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 47.059+/-0.007 χ^2/NDF: 9258916.1/63

In: 46.950+/-0.006 χ^2/NDF:5432912.7/53

Out: 47.056+/-0.006 χ^2/NDF:7380293.1/56

All: 47.001+/-0.004 χ^2/NDF: 12813350.0/110



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/32

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

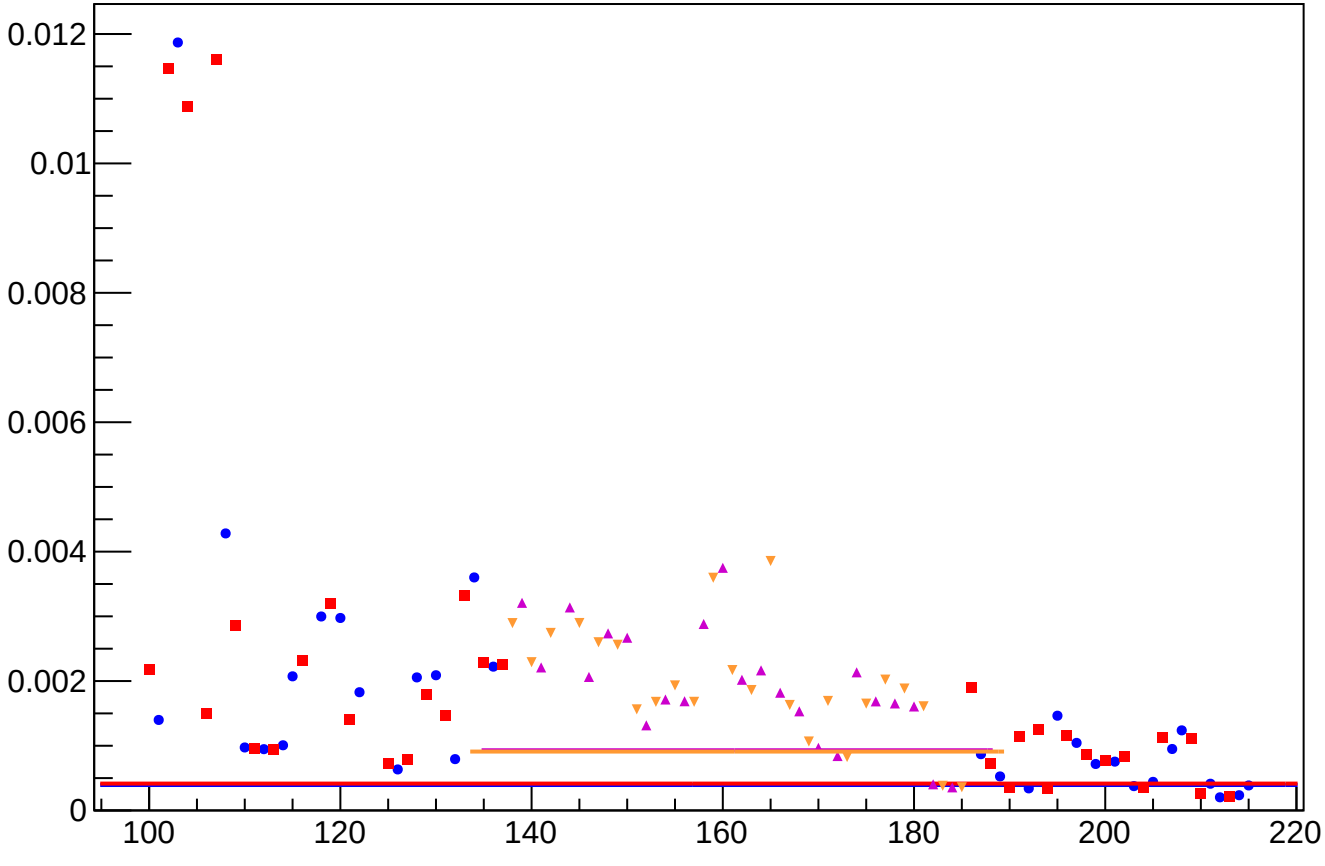
Right: -0.000+/-0.000 χ^2/NDF: 71.3/63

In: -0.000+/-0.000 χ^2/NDF:47.6/53

Out: -0.000+/-0.000 χ^2/NDF:94.9/56

All: -0.000+/-0.000 χ^2/NDF: 145.7/110

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14181898.8/30

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15546491.1/32

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

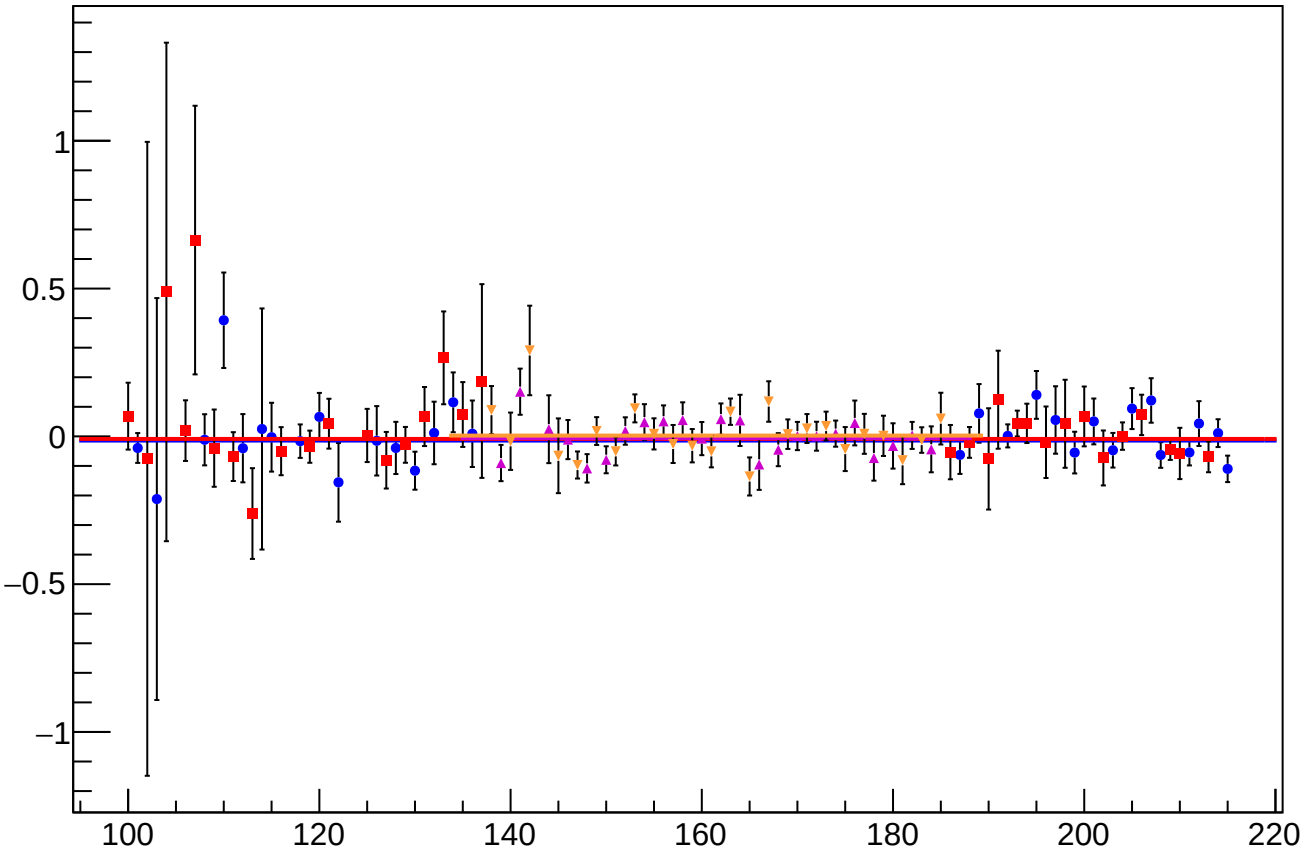
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.000+/-0.000 χ^2/NDF: 29758382.7/63

In: 0.000+/-0.000 χ^2/NDF:34014489.6/53

Out: 0.001+/-0.000 χ^2/NDF:34856427.9/56

All: 0.000+/-0.000 χ^2/NDF: 68938170.8/110



Right In: -0.014+/-0.012 χ^2/NDF: 33.4/30

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.009+/-0.014 χ^2/NDF: 20.8/32

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

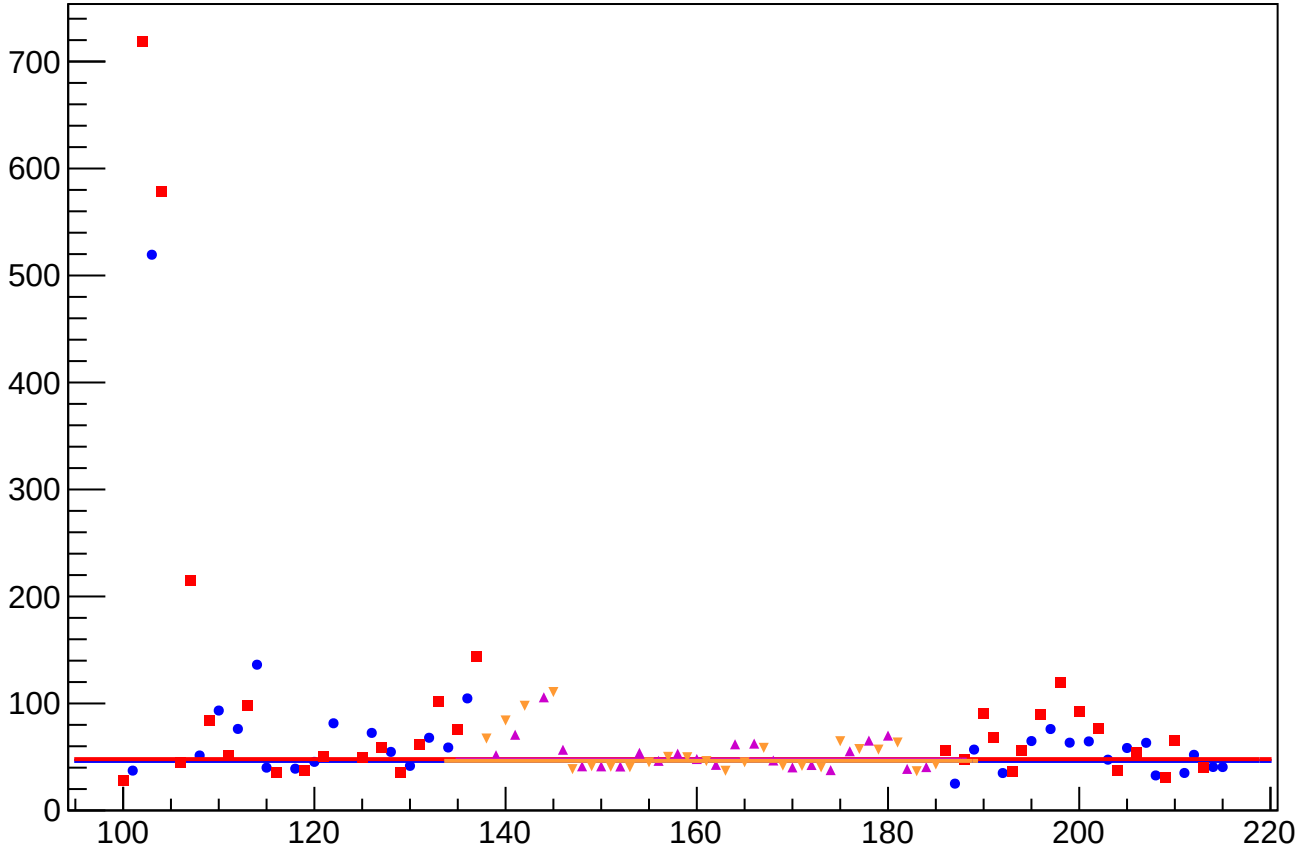
Right: -0.012+/-0.009 χ^2/NDF: 54.3/63

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.006+/-0.006 χ^2/NDF: 106.7/110

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.286+/-0.009 χ^2/NDF: 3845790.6/30

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 47.983+/-0.010 χ^2/NDF: 5396331.7/32

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

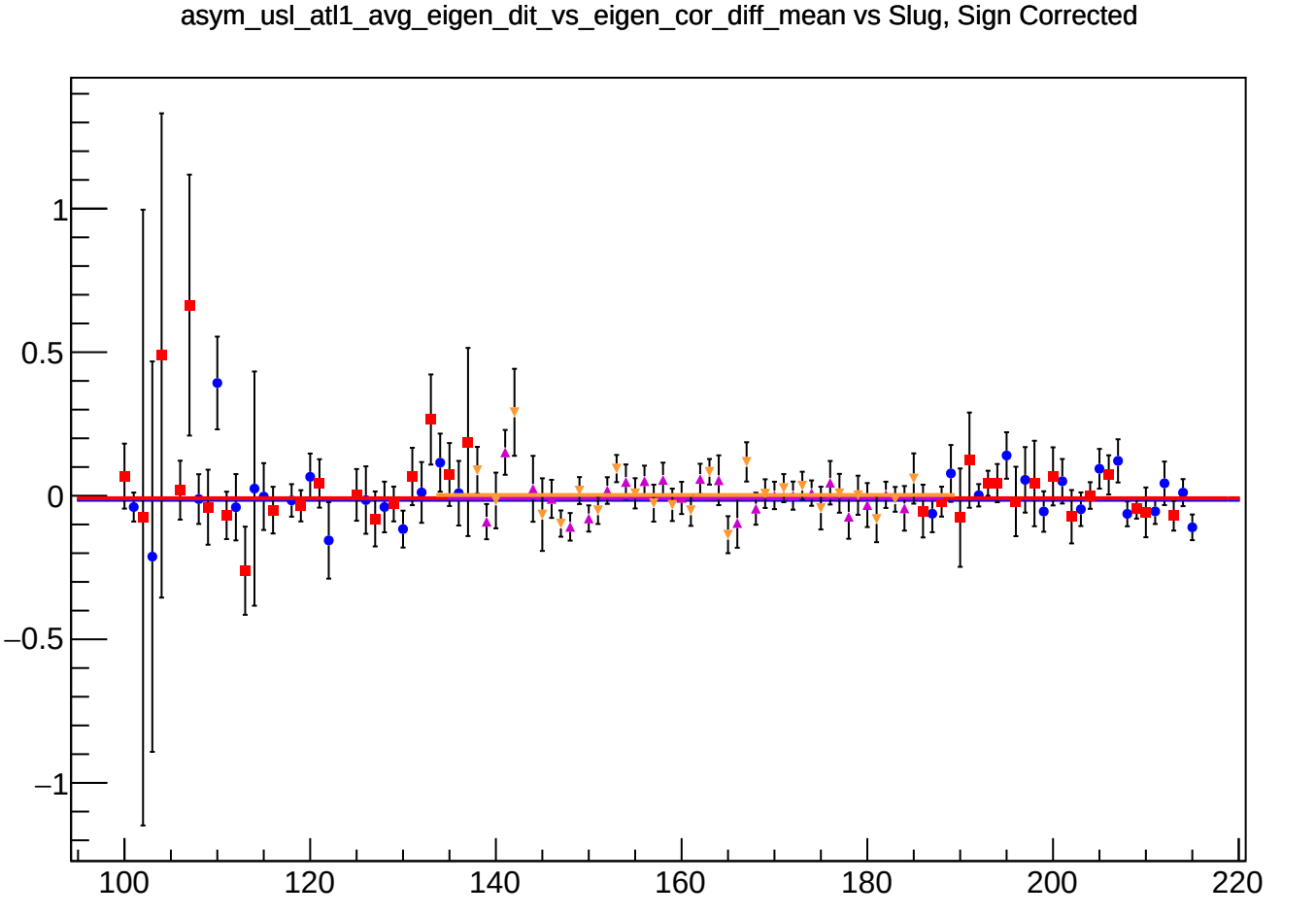
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 47.059+/-0.007 χ^2/NDF: 9258906.9/63

In: 46.950+/-0.006 χ^2/NDF:5432941.0/53

Out: 47.056+/-0.006 χ^2/NDF:7380249.6/56

All: 47.001+/-0.004 χ^2/NDF: 12813335.0/110



Right In: -0.014+/-0.012 χ^2/NDF: 33.4/30

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.009+/-0.014 χ^2/NDF: 20.8/32

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

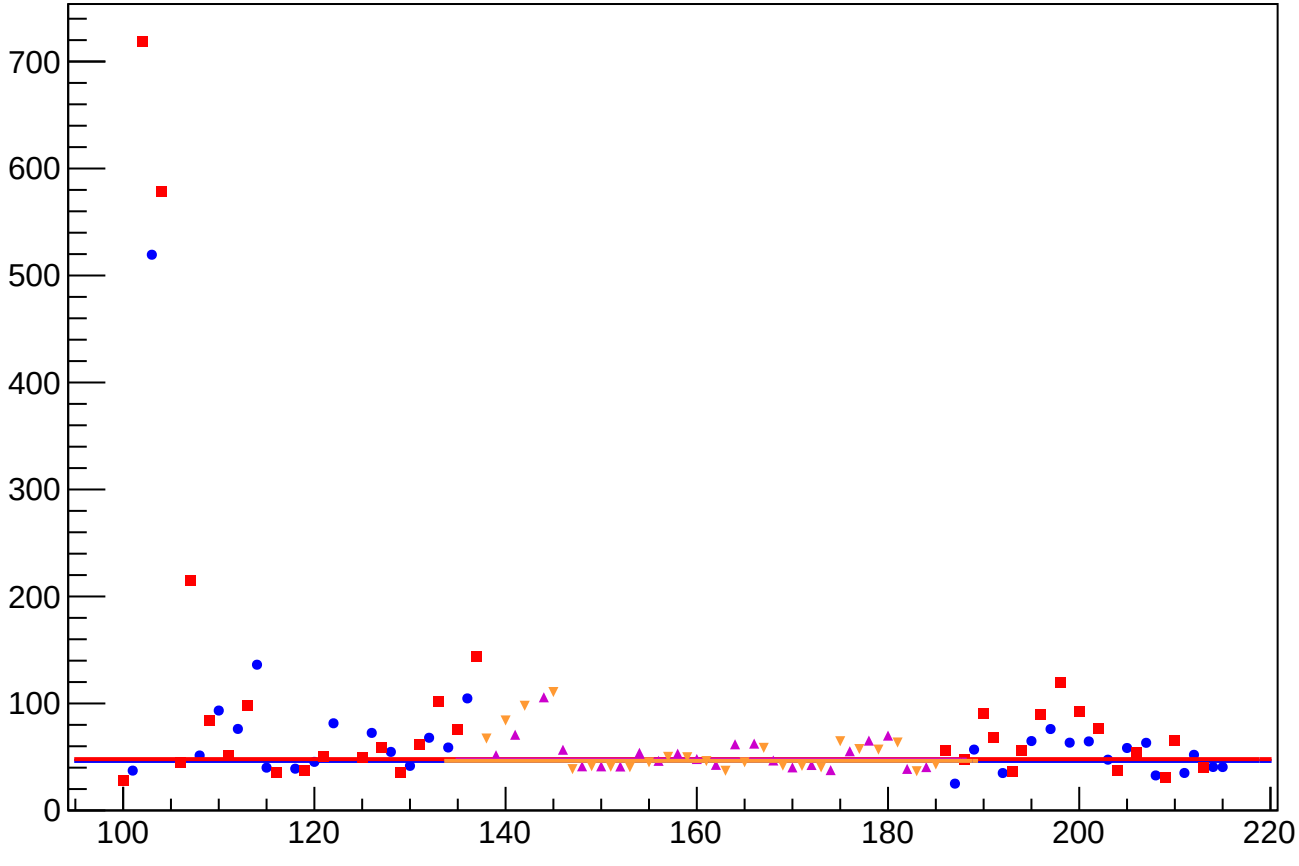
Right: -0.012+/-0.009 χ^2/NDF: 54.3/63

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.002+/-0.009 χ^2/NDF:51.1/56

All: -0.006+/-0.006 χ^2/NDF: 106.7/110

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.286+/-0.009 χ^2/NDF: 3845790.6/30

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 47.983+/-0.010 χ^2/NDF: 5396331.7/32

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

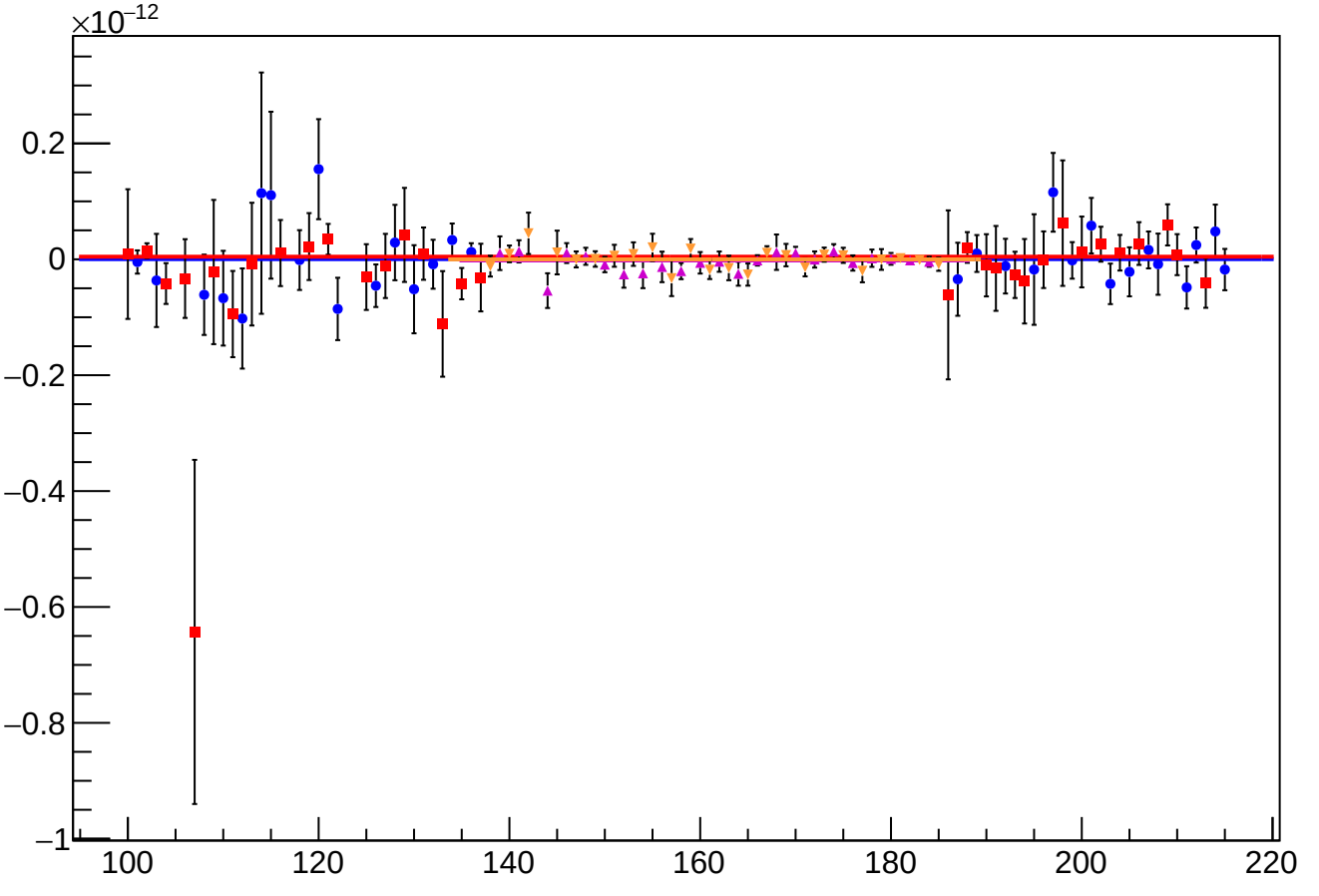
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 47.059+/-0.007 χ^2/NDF: 9258906.9/63

In: 46.950+/-0.006 χ^2/NDF:5432941.0/53

Out: 47.056+/-0.006 χ^2/NDF:7380249.6/56

All: 47.001+/-0.004 χ^2/NDF: 12813335.0/110



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/32

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

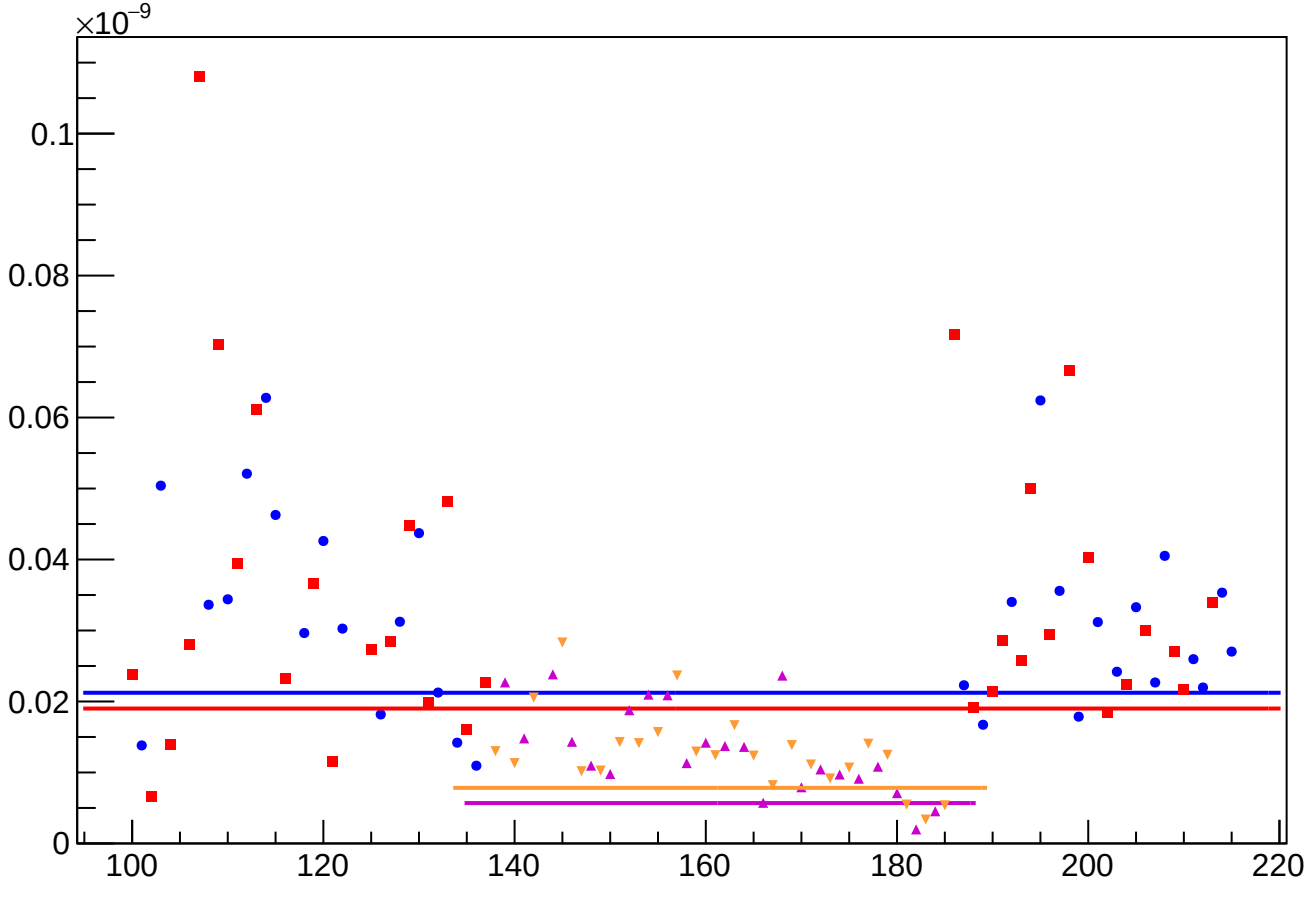
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 47.6/63

In: -0.000+/-0.000 χ^2/NDF:38.1/53

Out: 0.000+/-0.000 χ^2/NDF:37.0/56

All: -0.000+/-0.000 χ^2/NDF: 75.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 4031781.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5774832.1/32

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

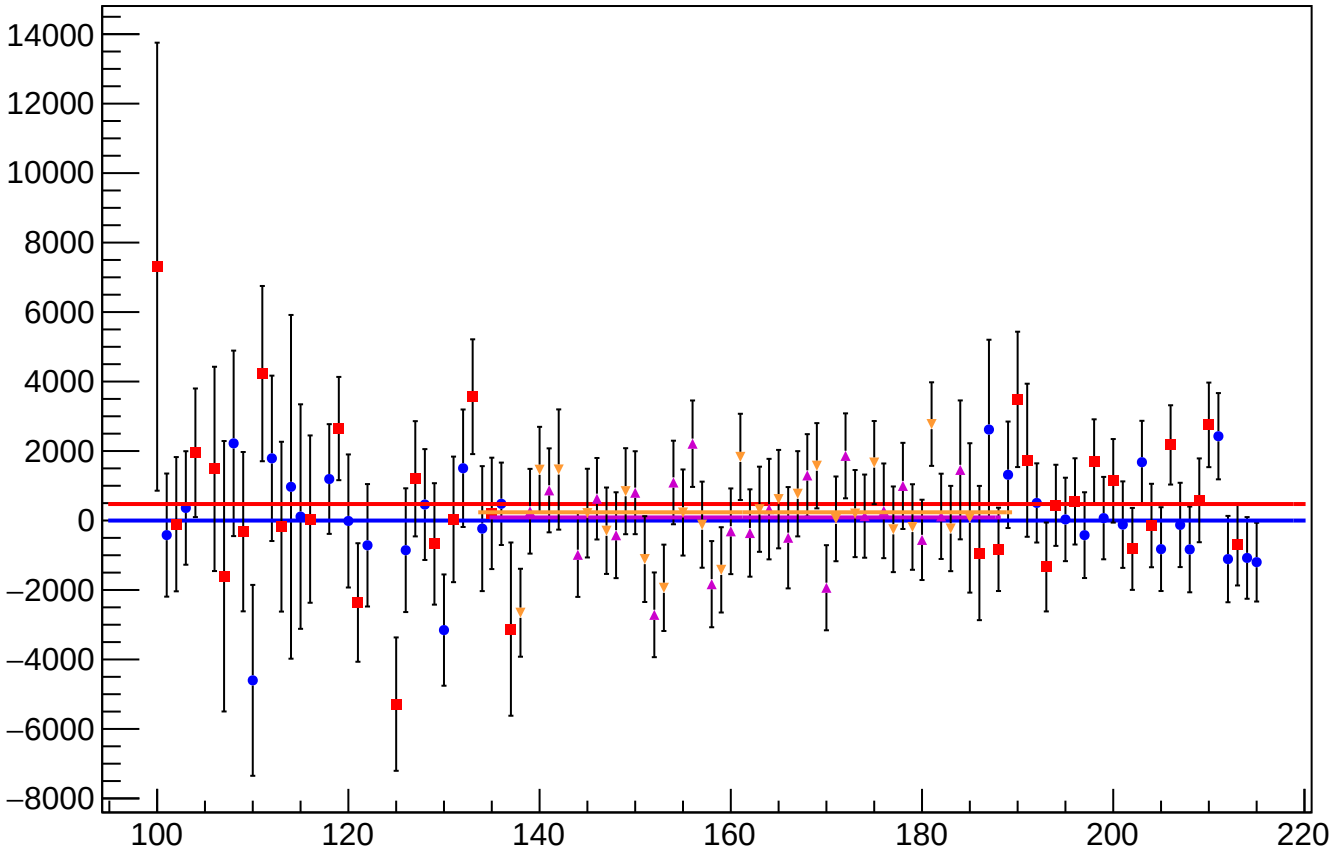
Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9909470.5/63

In: 0.000+/-0.000 χ^2/NDF:24331526.5/53

Out: 0.000+/-0.000 χ^2/NDF:16830281.3/56

All: 0.000+/-0.000 χ^2/NDF: 42114923.4/110



Right In: -1.378+/-264.269 χ^2/NDF: 21.7/30

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 474.259+/-272.338 χ^2/NDF: 40.8/32

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

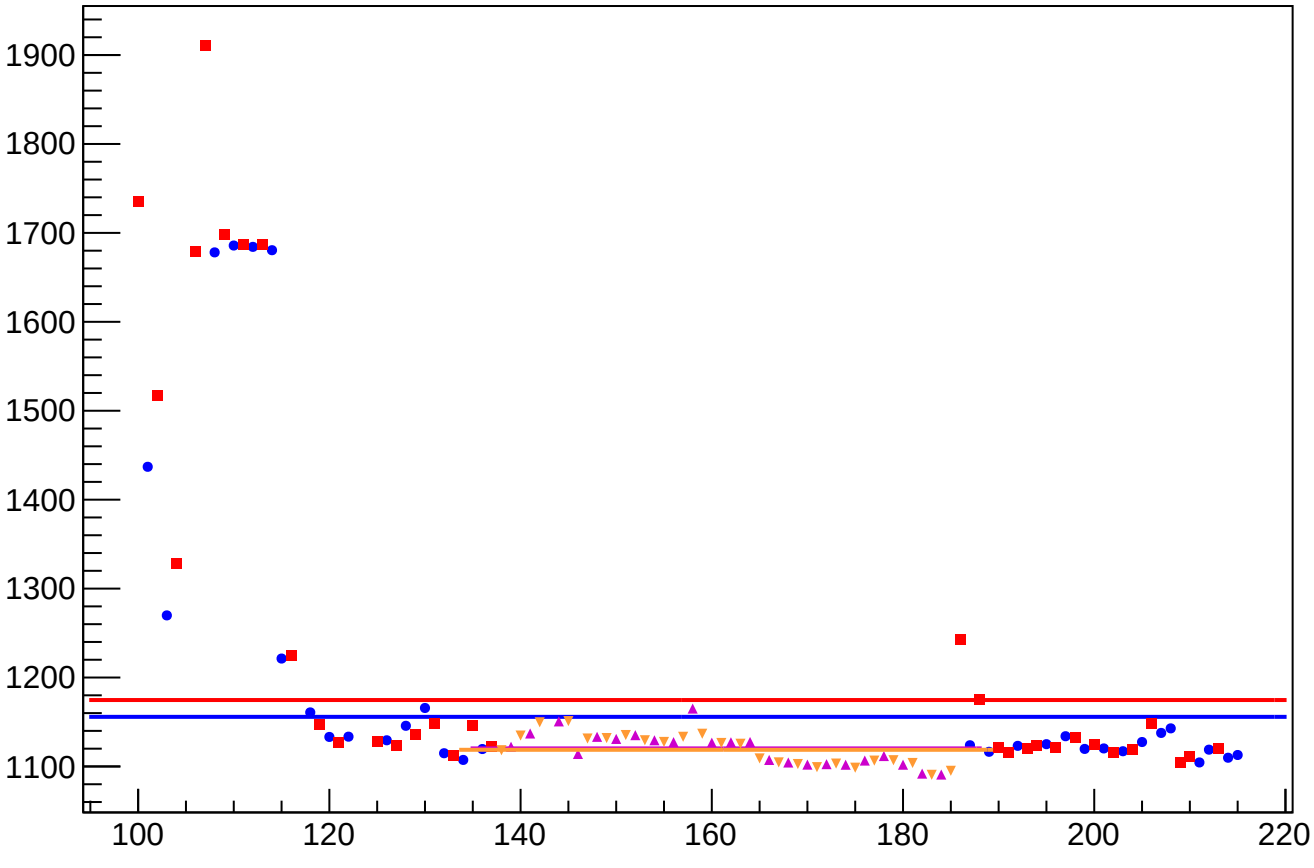
Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

Right: 229.290+/-189.655 χ^2/NDF: 64.1/63

In: 43.956+/-185.916 χ^2/NDF:42.6/53

Out: 349.774+/-187.933 χ^2/NDF:63.9/56

All: 195.215+/-132.170 χ^2/NDF: 107.9/110



Right In: 1155.784+/-0.187 χ^2/NDF: 362356.3/30

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1174.690+/-0.193 χ^2/NDF: 557460.6/32

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

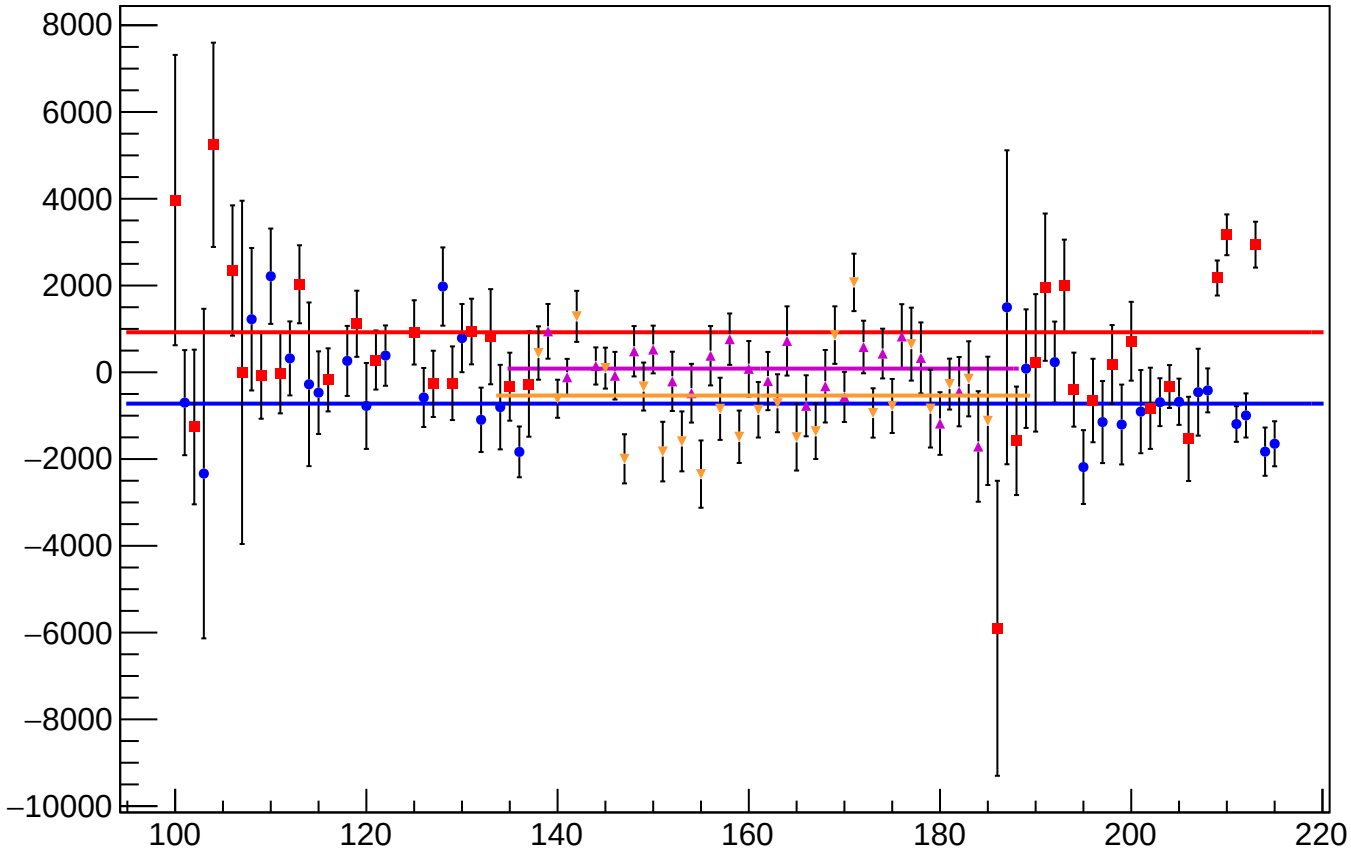
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1164.953+/-0.134 χ^2/NDF: 924780.9/63

In: 1137.866+/-0.131 χ^2/NDF:390039.4/53

Out: 1145.380+/-0.133 χ^2/NDF:609891.8/56

All: 1141.582+/-0.093 χ^2/NDF: 1001546.7/11



Right In: -722.266+/-134.747 χ^2/NDF: 45.4/30

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 922.850+/-144.601 χ^2/NDF: 100.0/32

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

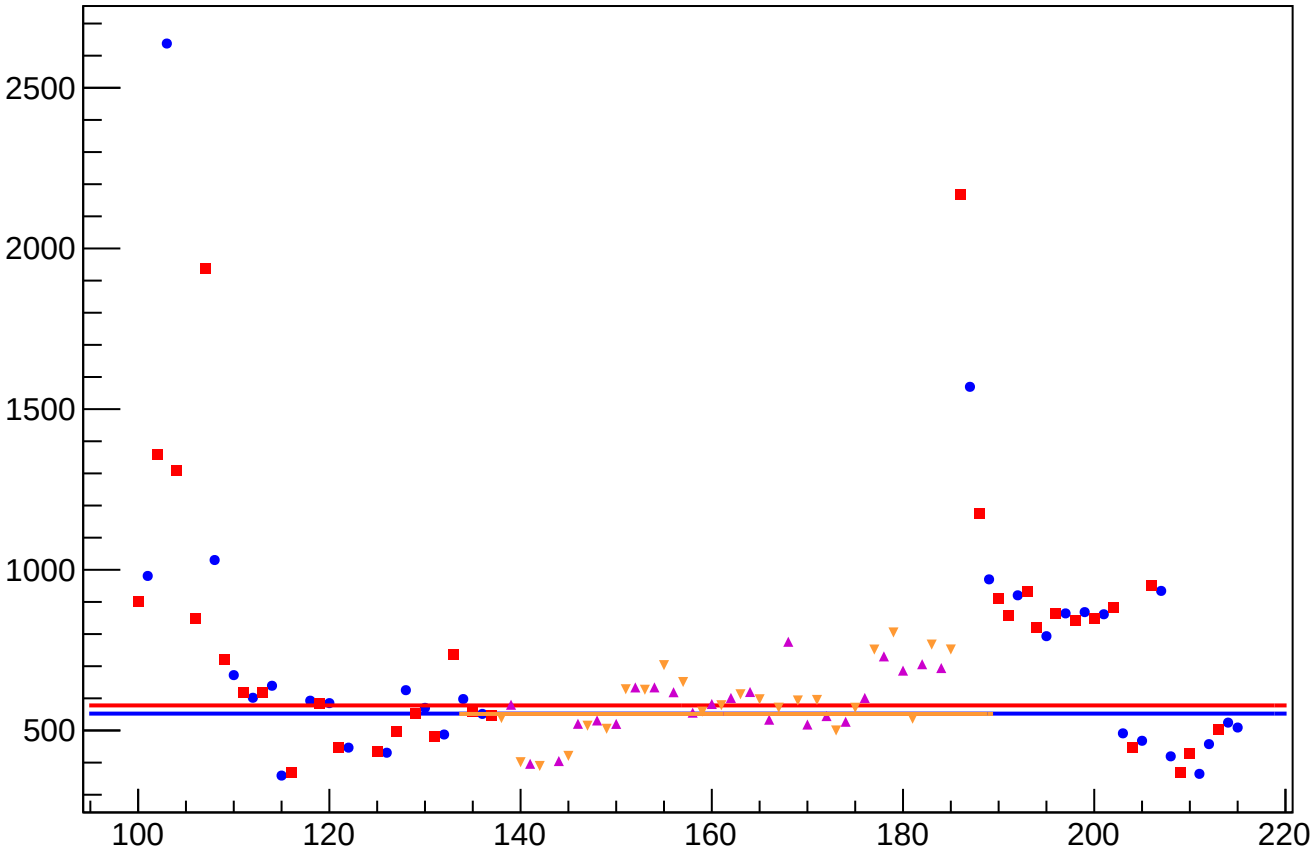
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 42.335+/-98.580 χ^2/NDF: 214.7/63

In: -307.016+/-93.915 χ^2/NDF:81.0/53

Out: 119.707+/-96.940 χ^2/NDF:217.6/56

All: -100.416+/-67.452 χ^2/NDF: 308.6/110



Right In: 552.478+/-0.095 χ^2/NDF: 3775364.4/30

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 577.951+/-0.102 χ^2/NDF: 4733525.7/32

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

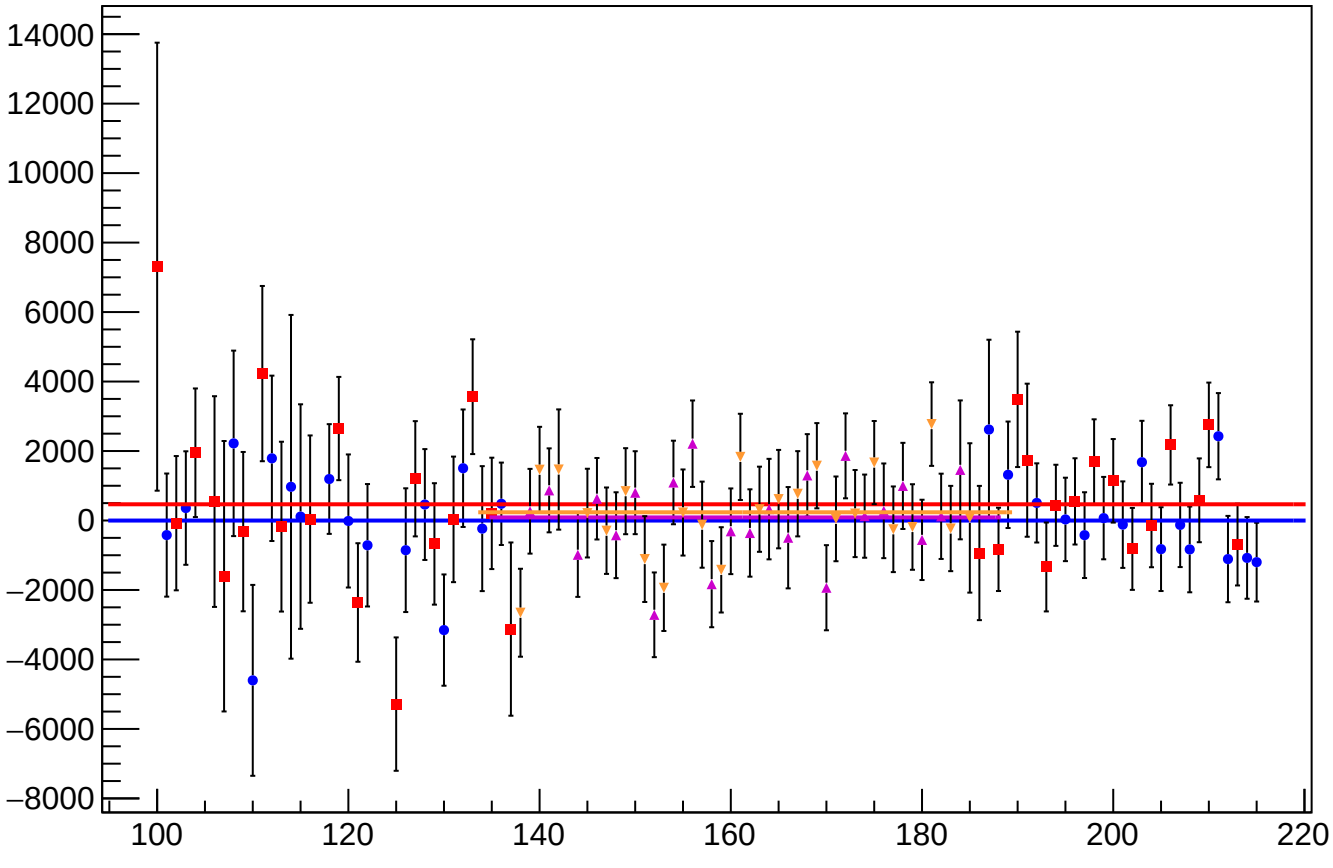
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 564.317+/-0.070 χ^2/NDF: 8542108.5/63

In: 551.891+/-0.066 χ^2/NDF:4837202.4/53

Out: 563.355+/-0.069 χ^2/NDF:5997153.9/56

All: 557.441+/-0.048 χ^2/NDF: 10848784.3/11



Right In: -1.511+/-264.269 χ^2/NDF: 21.7/30

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 466.729+/-272.409 χ^2/NDF: 40.7/32

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

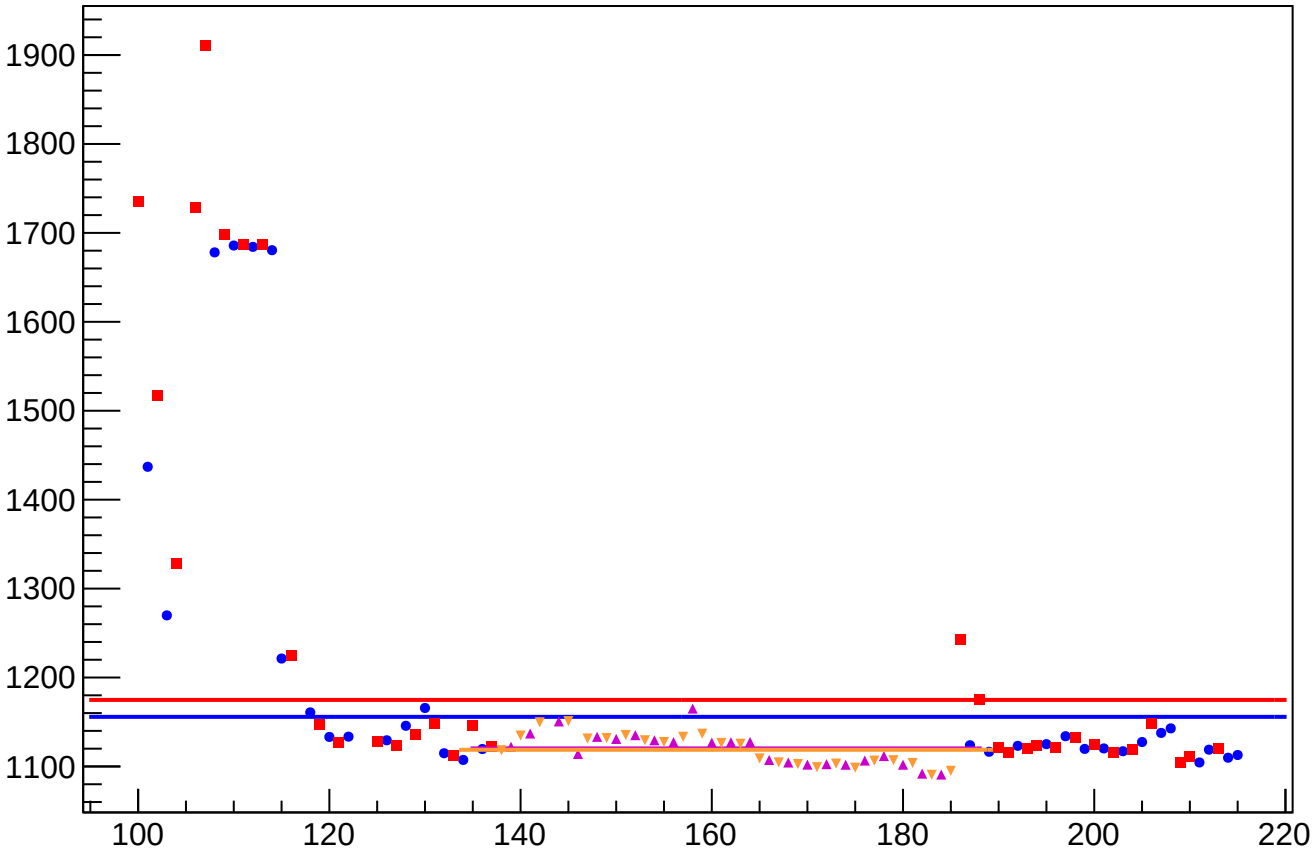
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 225.509+/-189.679 χ^2/NDF: 63.9/63

In: 43.885+/-185.916 χ^2/NDF:42.6/53

Out: 346.180+/-187.956 χ^2/NDF:63.8/56

All: 193.383+/-132.178 χ^2/NDF: 107.7/110



Right In: 1155.784+/-0.187 χ^2/NDF: 362356.4/30

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1174.834+/-0.193 χ^2/NDF: 565432.5/32

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

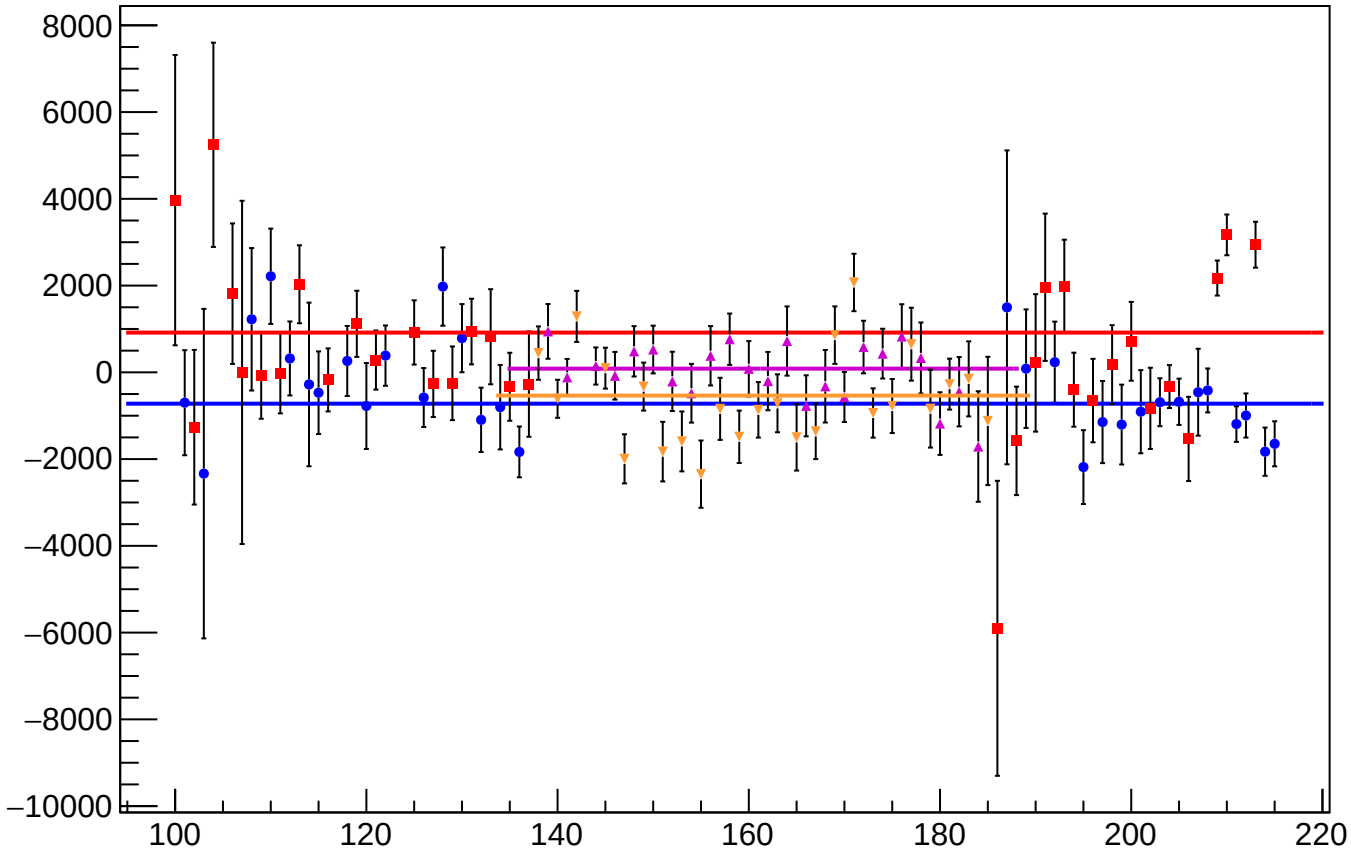
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1165.020+/-0.134 χ^2/NDF: 932827.4/63

In: 1137.866+/-0.131 χ^2/NDF:390039.5/53

Out: 1145.441+/-0.133 χ^2/NDF:618079.2/56

All: 1141.612+/-0.093 χ^2/NDF: 1009760.5/11



Right In: -722.266+/-134.747 χ^2/NDF: 45.4/30

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 916.737+/-144.694 χ^2/NDF: 99.5/32

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

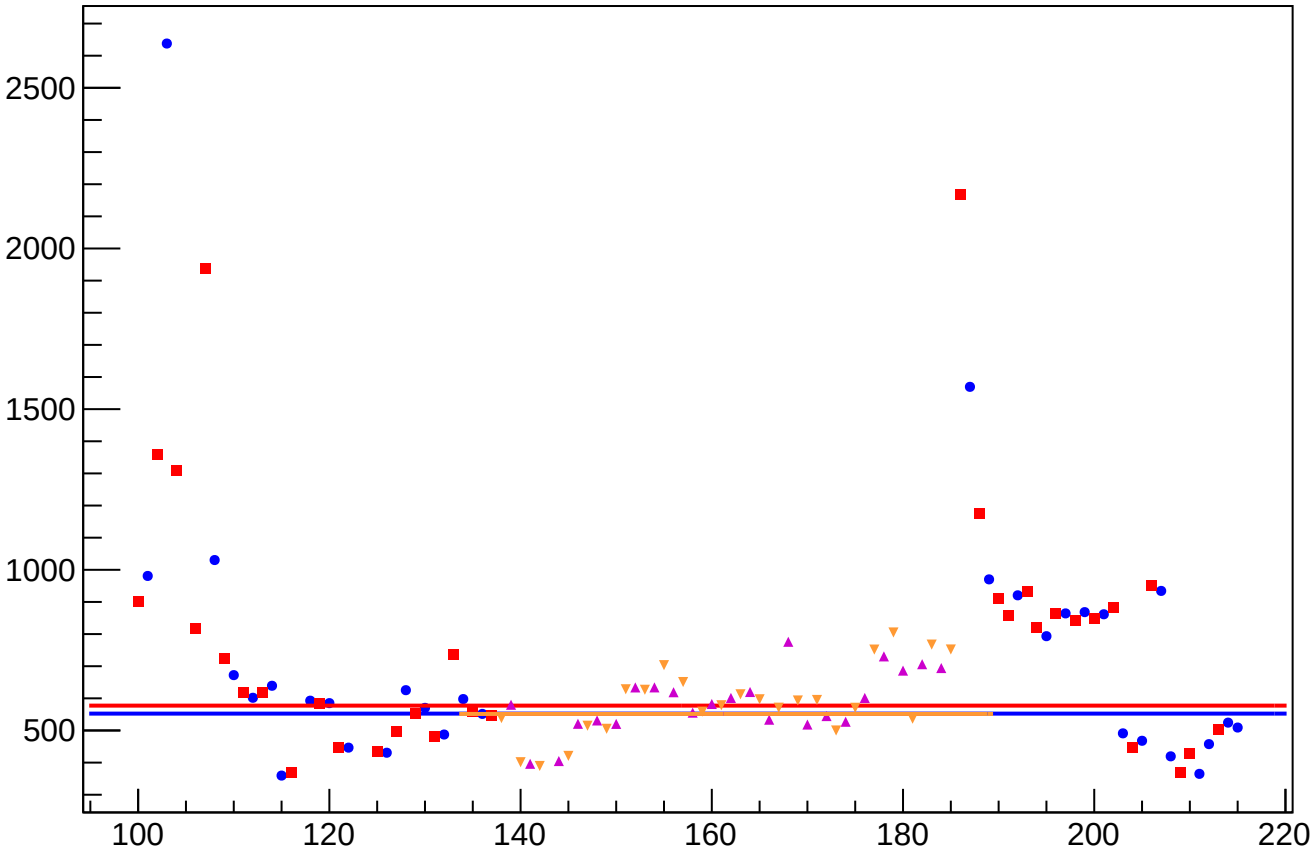
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 38.966+/-98.610 χ^2/NDF: 213.5/63

In: -307.023+/-93.915 χ^2/NDF:81.0/53

Out: 116.481+/-96.968 χ^2/NDF:216.5/56

All: -102.042+/-67.461 χ^2/NDF: 307.3/110



Right In: 552.475+/-0.095 χ^2/NDF: 3775350.2/30

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 577.345+/-0.102 χ^2/NDF: 4712819.4/32

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

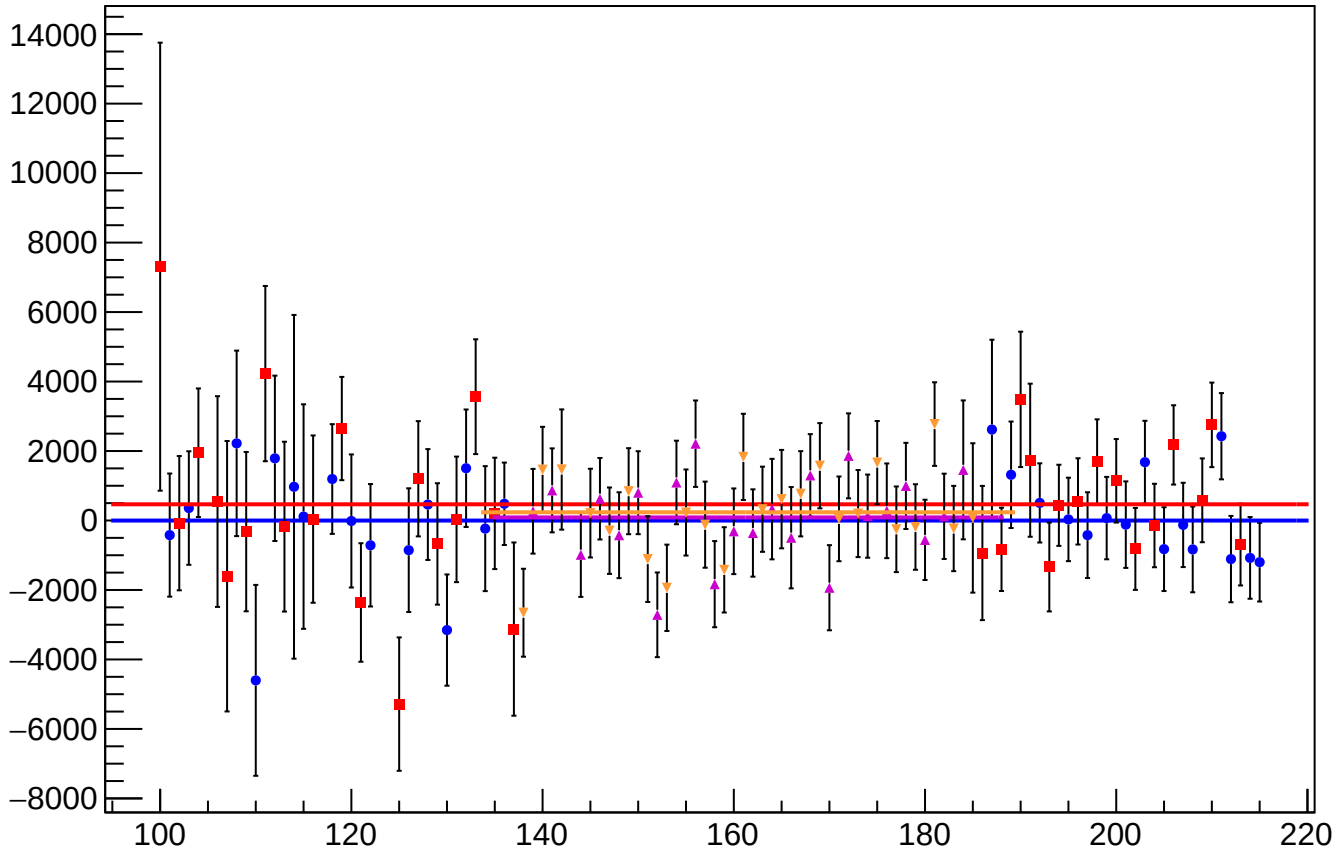
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 564.026+/-0.070 χ^2/NDF: 8519813.4/63

In: 551.889+/-0.066 χ^2/NDF:4837155.6/53

Out: 563.074+/-0.069 χ^2/NDF:5974769.0/56

All: 557.303+/-0.048 χ^2/NDF: 10825655.1/1



Right In: -1.511+/-264.269 χ^2/NDF: 21.7/30

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 466.729+/-272.409 χ^2/NDF: 40.7/32

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

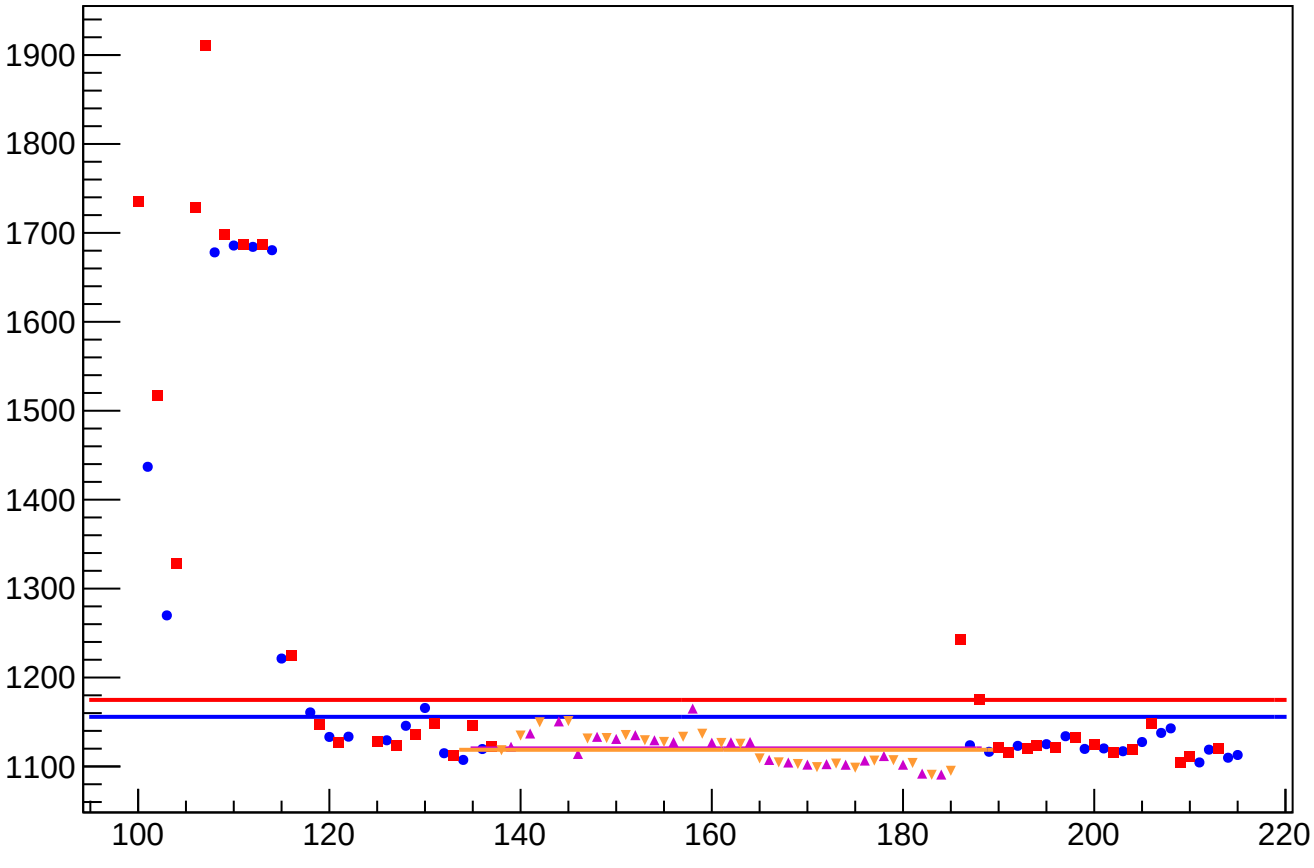
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 225.509+/-189.679 χ^2/NDF: 63.9/63

In: 43.885+/-185.916 χ^2/NDF:42.6/53

Out: 346.180+/-187.956 χ^2/NDF:63.8/56

All: 193.383+/-132.178 χ^2/NDF: 107.7/110



Right In: 1155.784+/-0.187 χ^2/NDF: 362356.4/30

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1174.834+/-0.193 χ^2/NDF: 565432.5/32

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

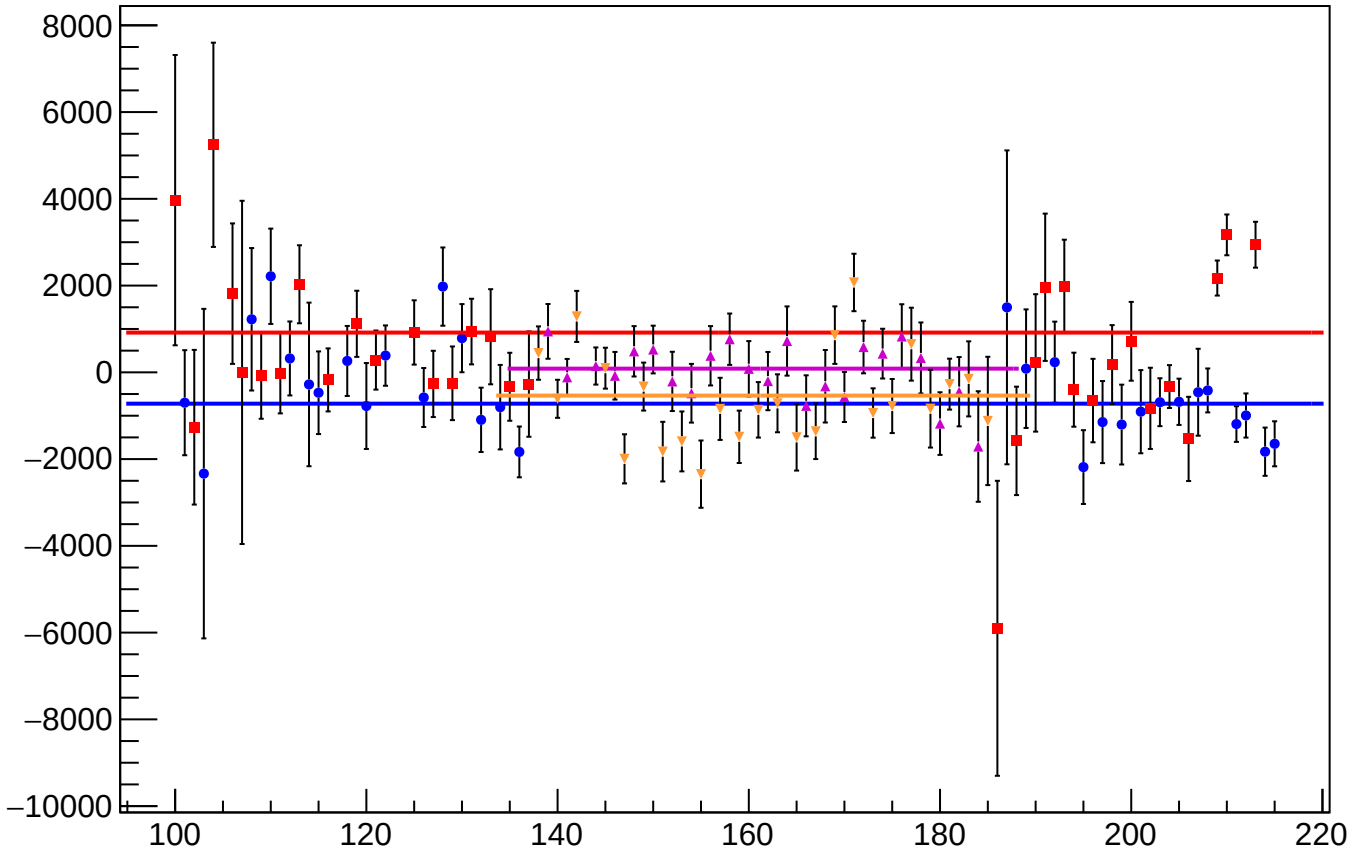
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1165.020+/-0.134 χ^2/NDF: 932827.4/63

In: 1137.866+/-0.131 χ^2/NDF:390039.5/53

Out: 1145.441+/-0.133 χ^2/NDF:618079.2/56

All: 1141.612+/-0.093 χ^2/NDF: 1009760.5/11



Right In: -722.266+/-134.747 χ^2/NDF: 45.4/30

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 916.737+/-144.694 χ^2/NDF: 99.5/32

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

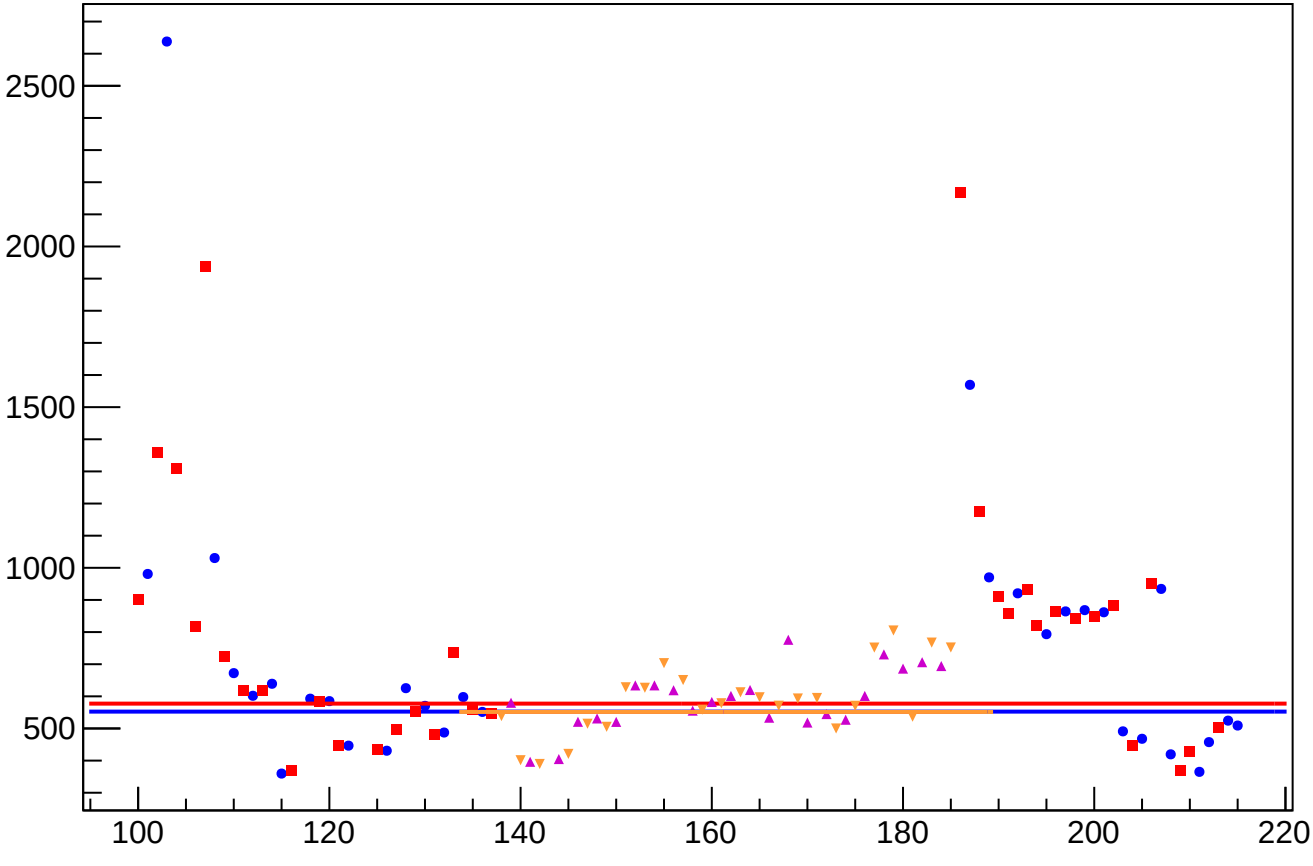
Right: 38.966+/-98.610 χ^2/NDF: 213.5/63

In: -307.023+/-93.915 χ^2/NDF:81.0/53

Out: 116.481+/-96.968 χ^2/NDF:216.5/56

All: -102.042+/-67.461 χ^2/NDF: 307.3/110

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 552.475+/-0.095 χ^2/NDF: 3775350.2/30

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 577.345+/-0.102 χ^2/NDF: 4712819.4/32

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

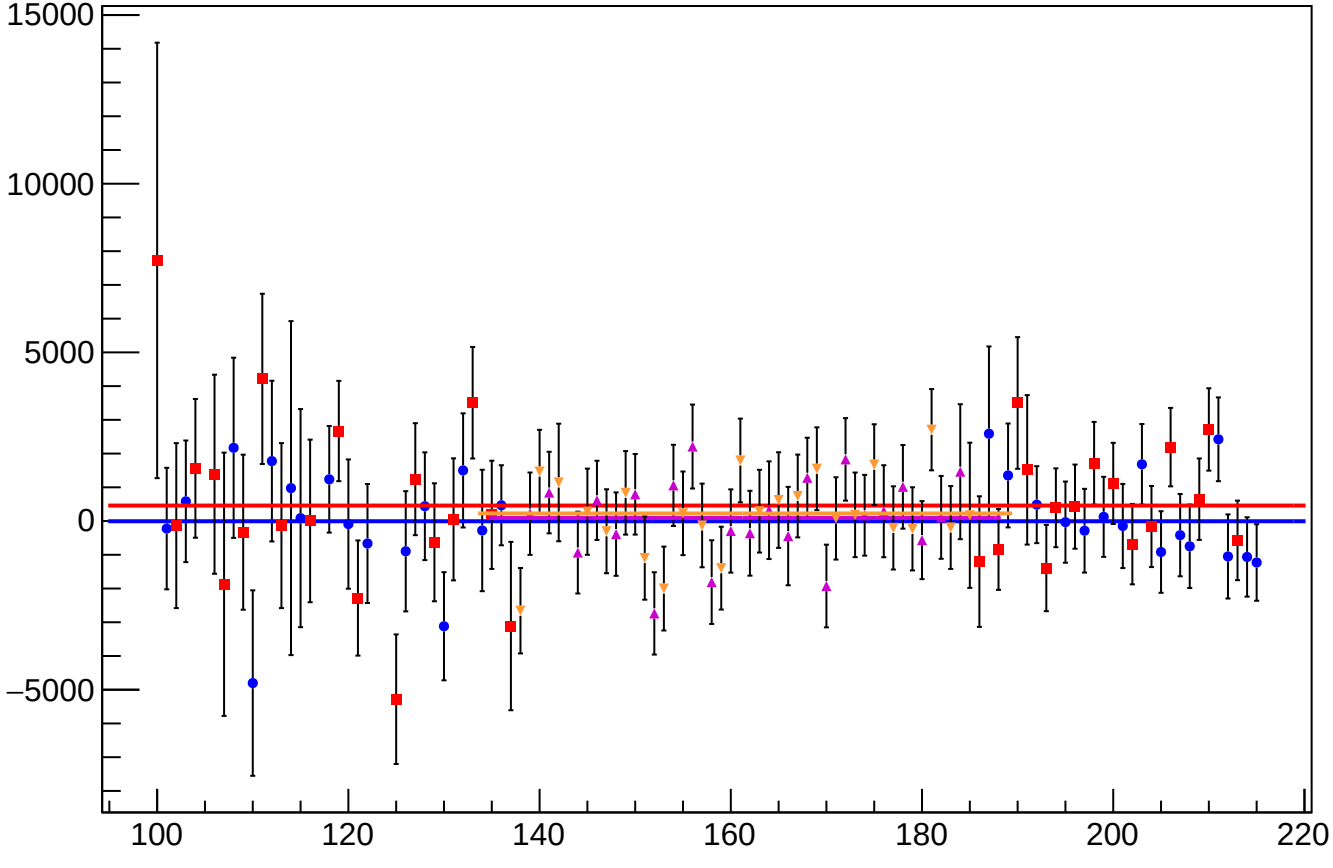
Right: 564.026+/-0.070 χ^2/NDF: 8519813.4/63

In: 551.889+/-0.066 χ^2/NDF:4837155.6/53

Out: 563.074+/-0.069 χ^2/NDF:5974769.0/56

All: 557.303+/-0.048 χ^2/NDF: 10825655.1/1

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -5.850+/-265.394 χ^2/NDF: 21.9/30

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 459.061+/-274.680 χ^2/NDF: 40.0/32

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

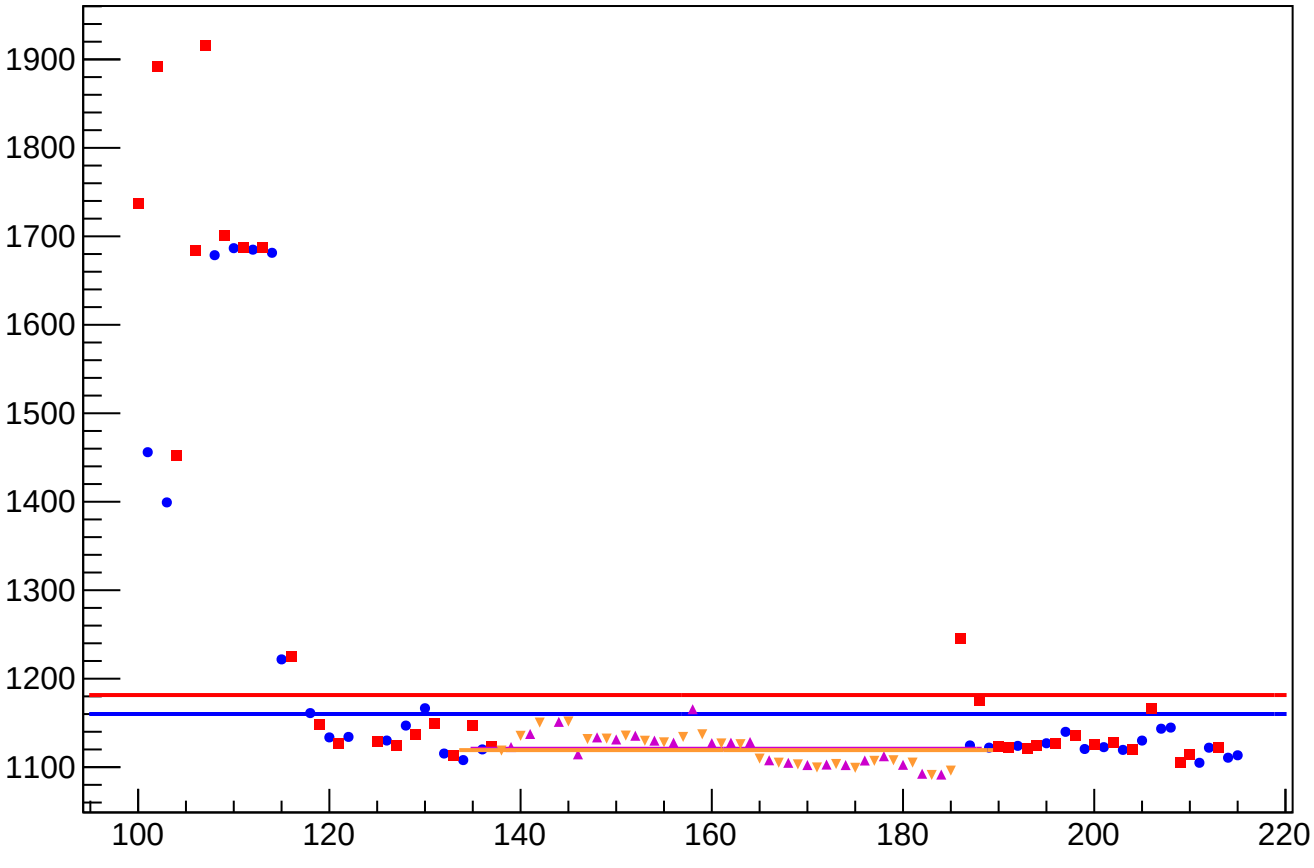
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 218.614+/-190.860 χ^2/NDF: 63.3/63

In: 42.276+/-186.348 χ^2/NDF:42.5/53

Out: 335.882+/-188.759 χ^2/NDF:62.6/56

All: 187.192+/-132.612 χ^2/NDF: 106.3/110



Right In: 1160.079+/-0.188 χ^2/NDF: 391600.8/30

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1181.499+/-0.194 χ^2/NDF: 685265.5/32

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

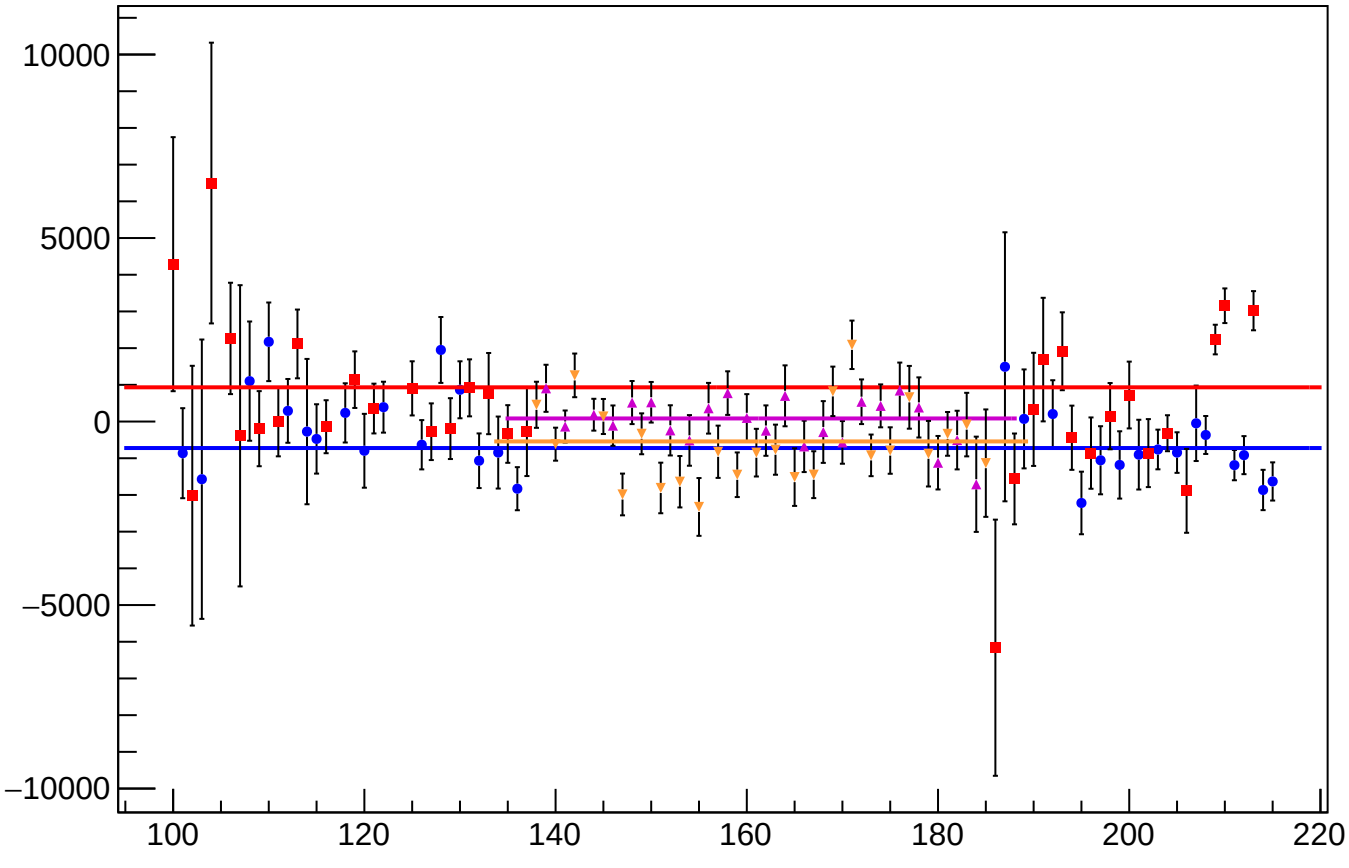
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1170.421+/-0.135 χ^2/NDF: 1083156.2/63

In: 1140.166+/-0.132 χ^2/NDF:423237.8/53

Out: 1148.650+/-0.133 χ^2/NDF:747604.6/56

All: 1144.354+/-0.094 χ^2/NDF: 1172888.8/11



Right In: -721.752+/-135.105 χ^2/NDF: 45.9/30

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 932.453+/-146.016 χ^2/NDF: 99.7/32

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

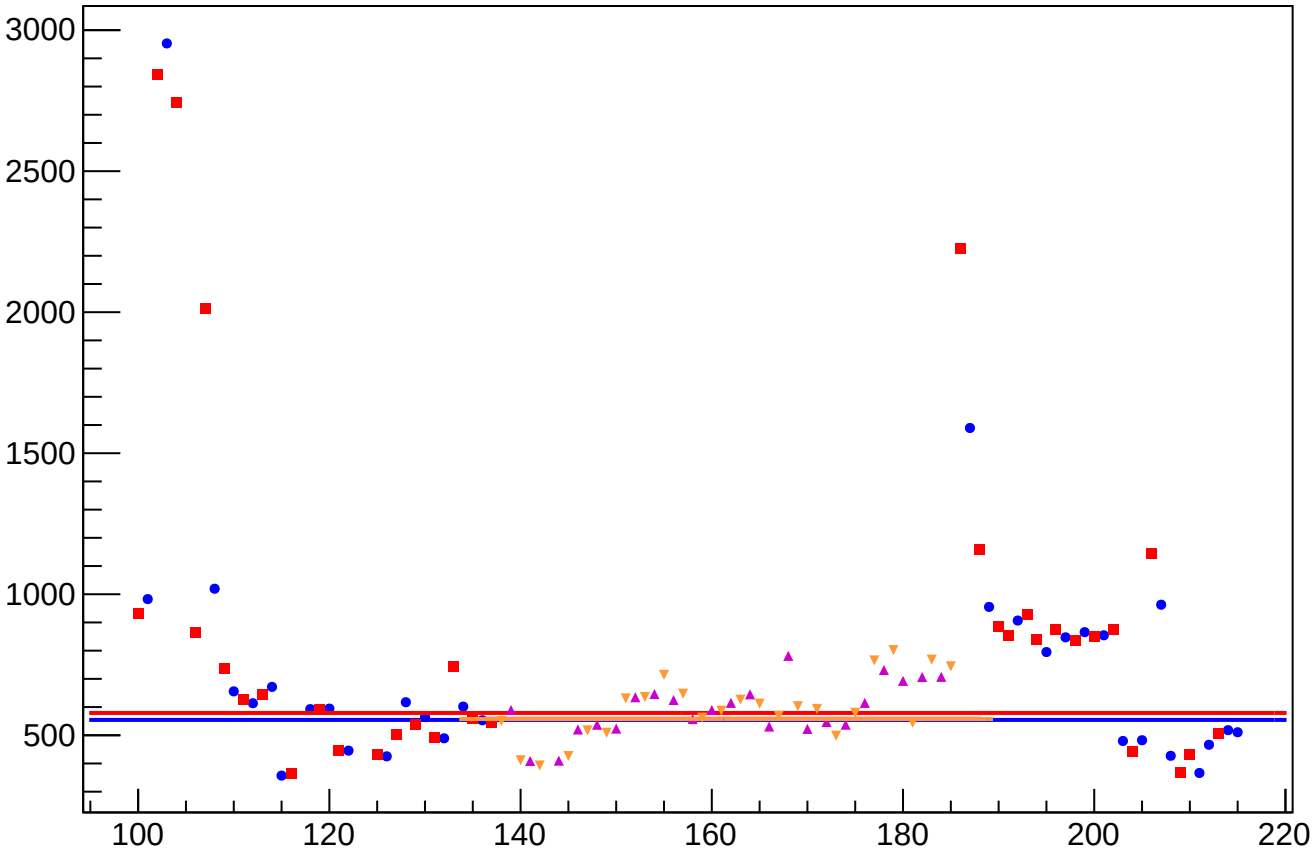
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 41.242+/-99.167 χ^2/NDF: 214.8/63

In: -311.117+/-94.617 χ^2/NDF:80.5/53

Out: 121.368+/-97.924 χ^2/NDF:216.6/56

All: -102.301+/-68.043 χ^2/NDF: 307.2/110



Right In: 554.436+/-0.096 χ^2/NDF: 3908291.9/30

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 579.156+/-0.103 χ^2/NDF: 5844852.6/32

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

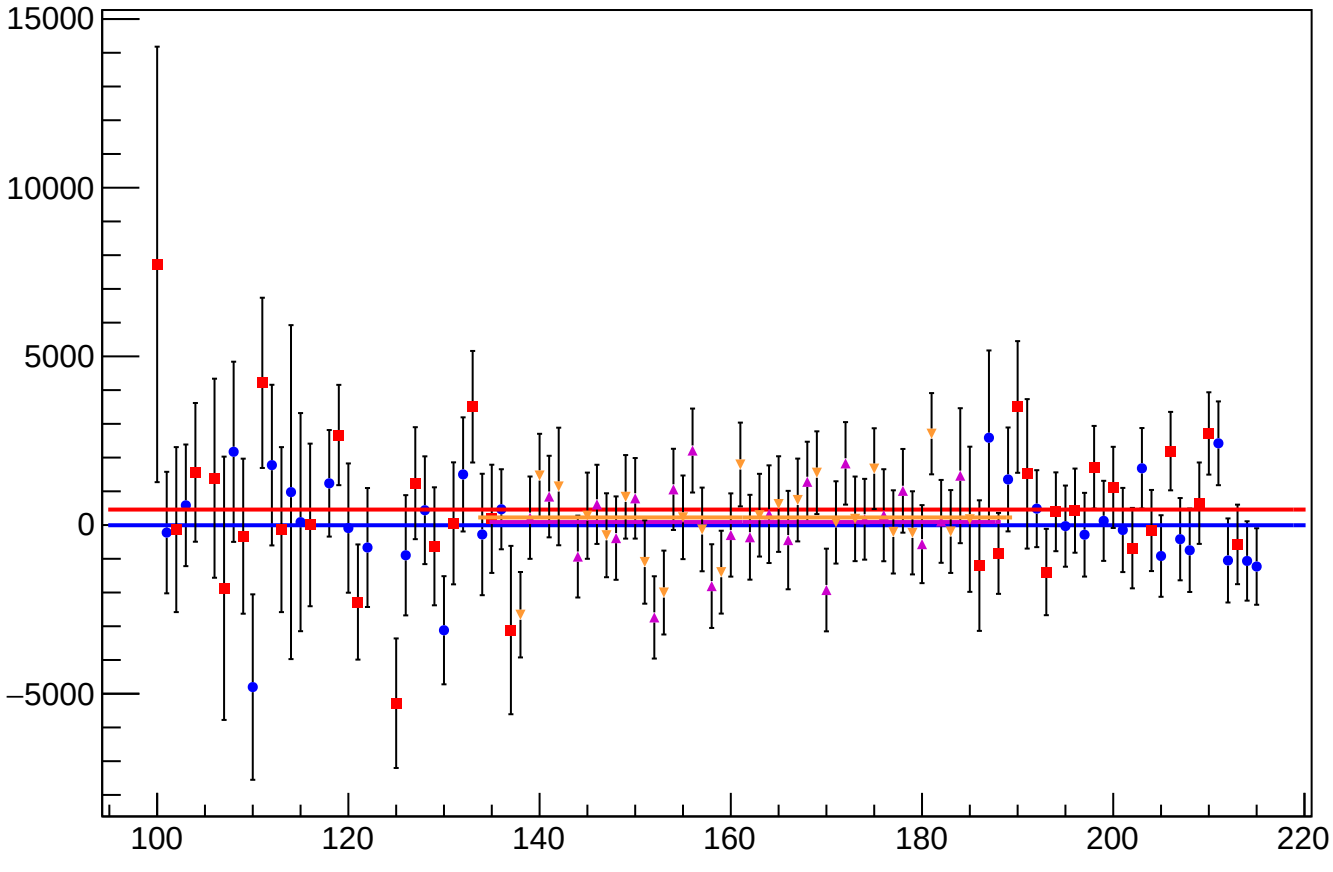
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 565.838+/-0.070 χ^2/NDF: 9784027.1/63

In: 556.452+/-0.067 χ^2/NDF:4936980.4/53

Out: 567.290+/-0.069 χ^2/NDF:7062125.2/56

All: 561.685+/-0.048 χ^2/NDF: 12011775.9/1



Right In: -5.848+/-265.394 χ^2/NDF: 21.9/30

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 459.060+/-274.680 χ^2/NDF: 40.0/32

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

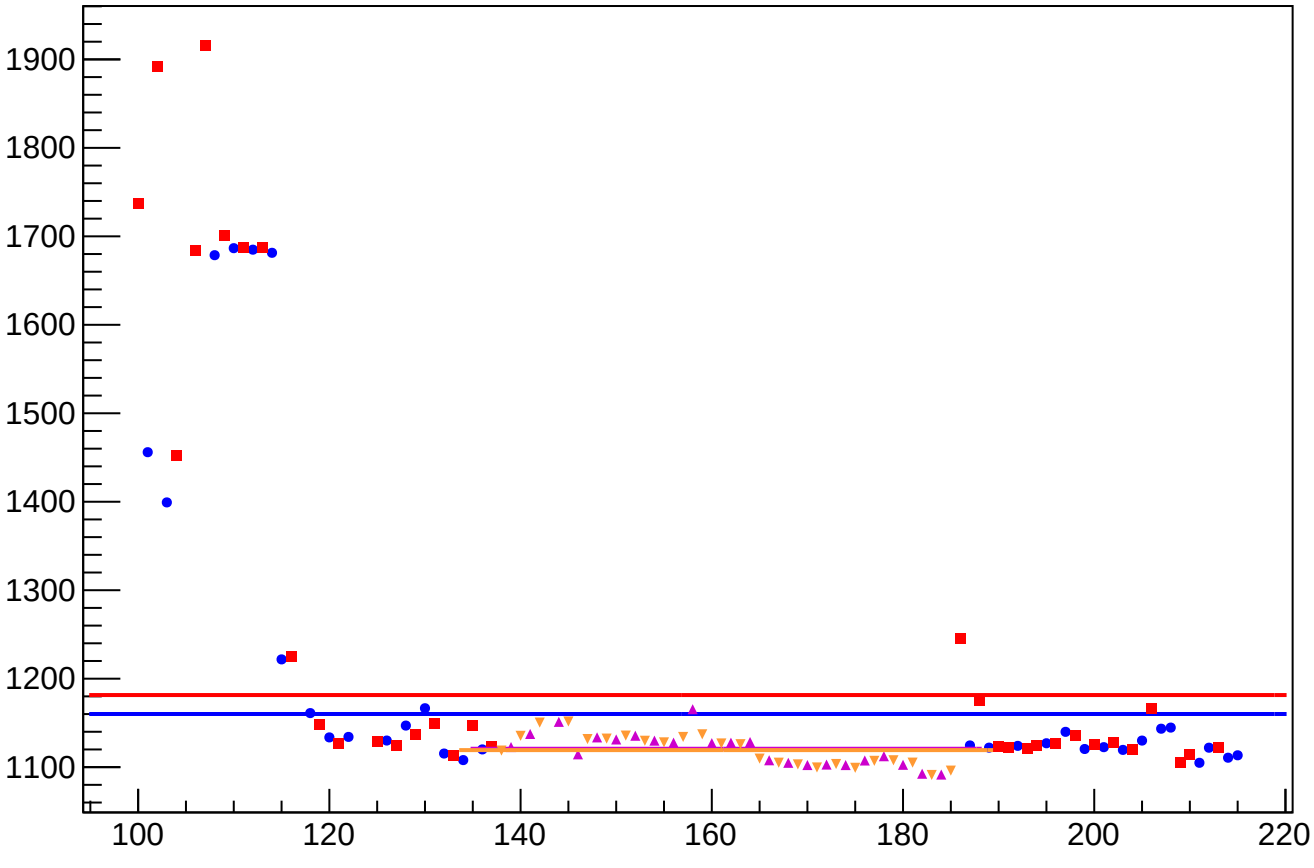
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 218.614+/-190.860 χ^2/NDF: 63.3/63

In: 42.277+/-186.348 χ^2/NDF:42.5/53

Out: 335.881+/-188.759 χ^2/NDF:62.6/56

All: 187.192+/-132.612 χ^2/NDF: 106.3/110



Right In: 1160.079+/-0.188 χ^2/NDF: 391600.3/30

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1181.499+/-0.194 χ^2/NDF: 685264.8/32

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

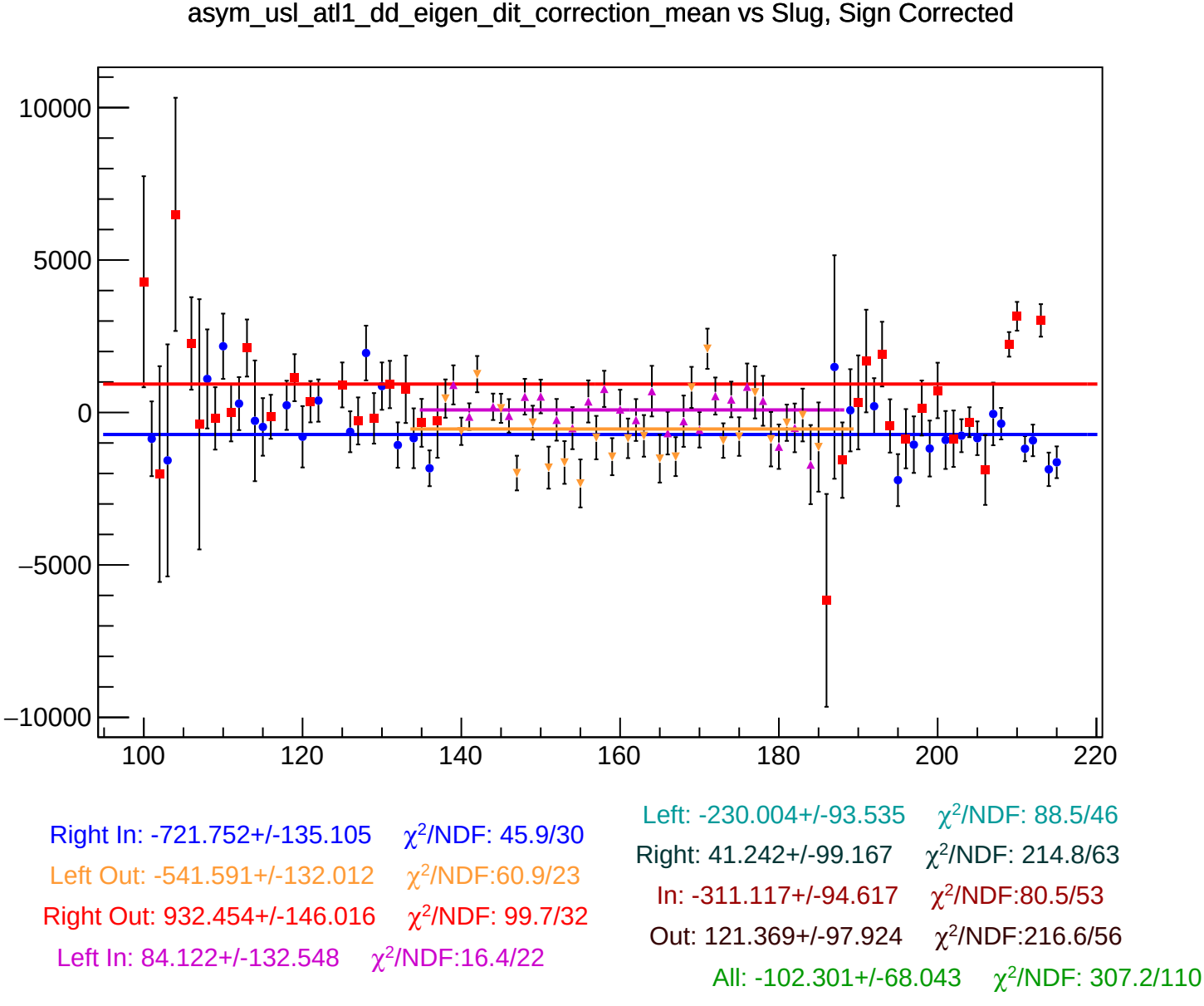
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

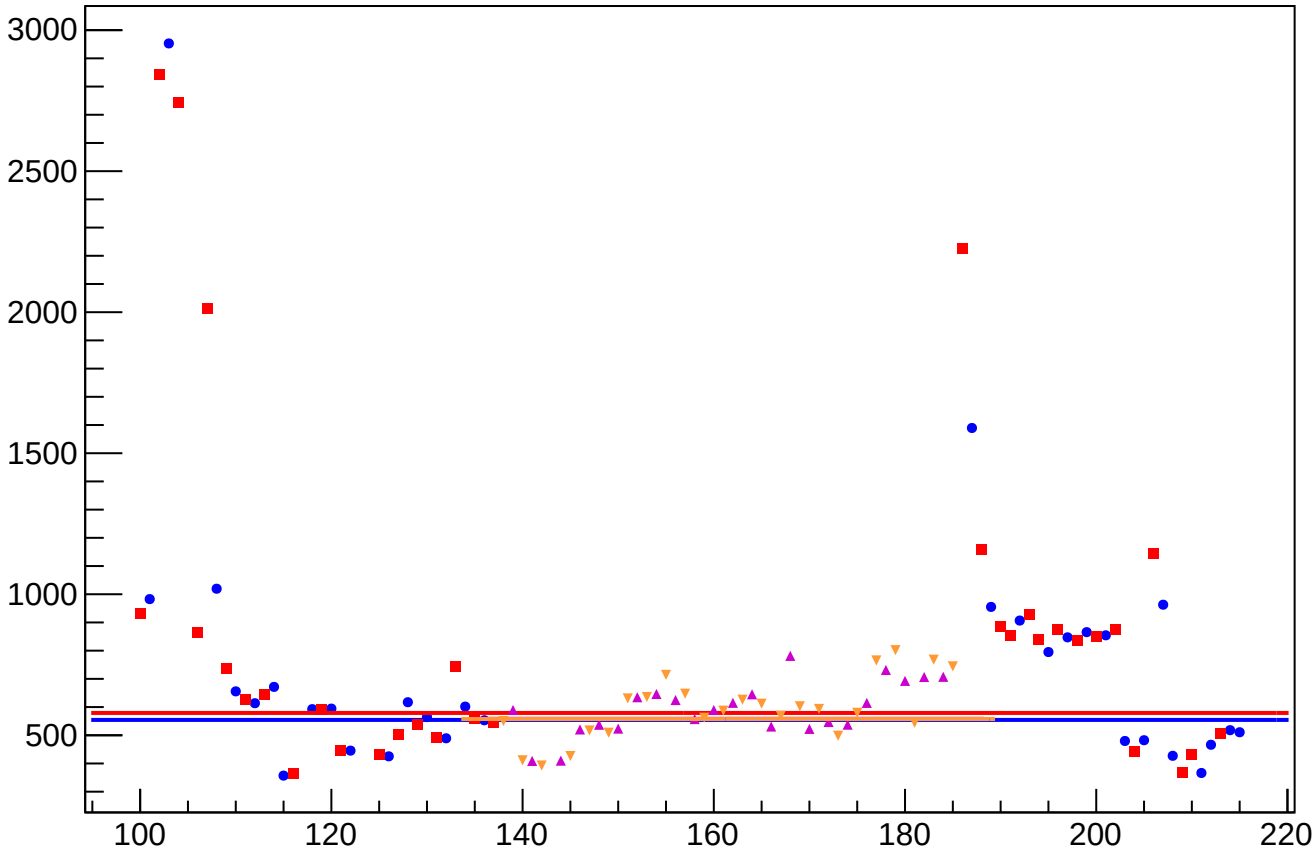
Right: 1170.421+/-0.135 χ^2/NDF: 1083154.9/63

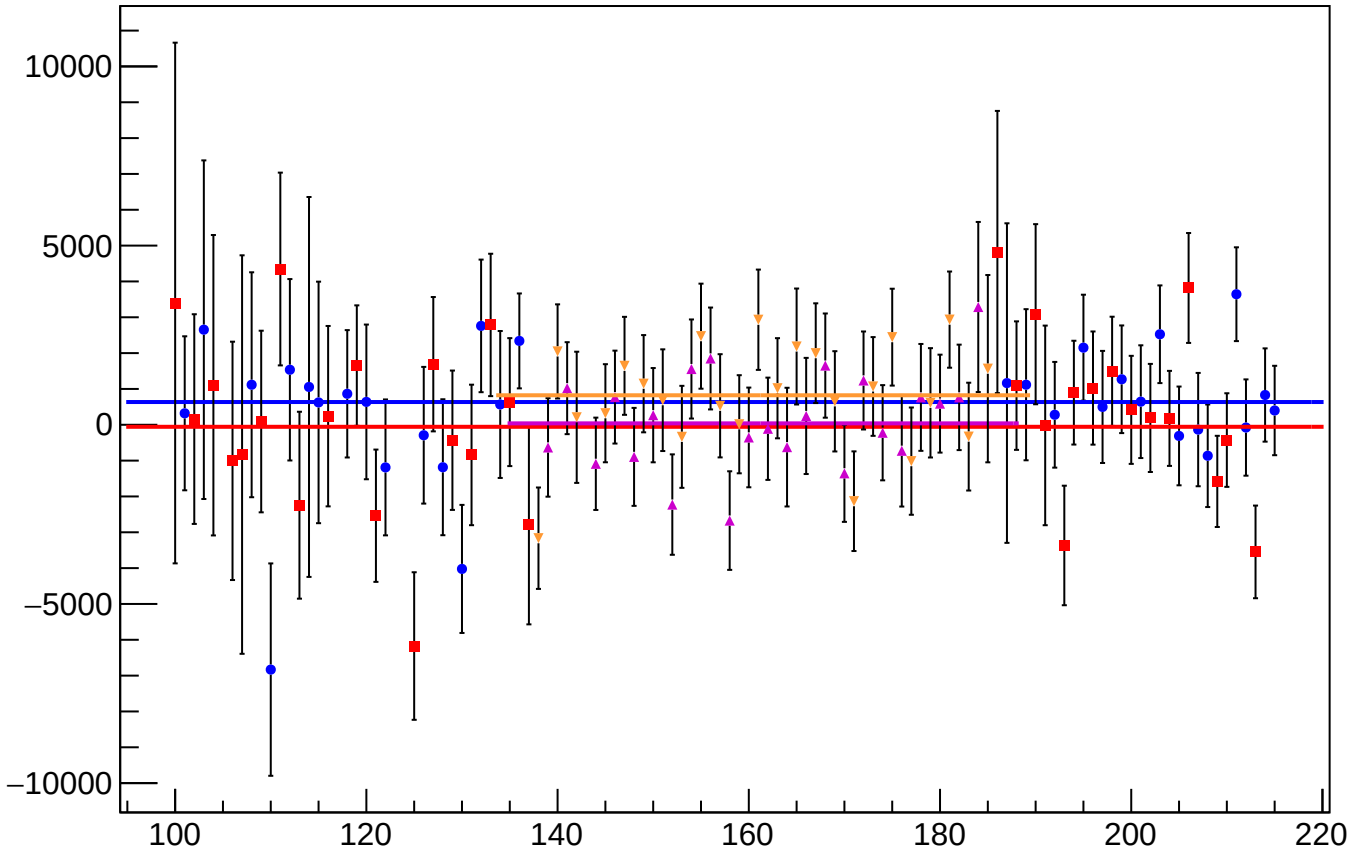
In: 1140.166+/-0.132 χ^2/NDF:423237.3/53

Out: 1148.650+/-0.133 χ^2/NDF:747603.9/56

All: 1144.354+/-0.094 χ^2/NDF: 1172887.6/11


asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -721.752+/-135.105 χ²/NDF: 45.9/30
Left Out: -541.591+/-132.012 χ²/NDF:60.9/23
Right Out: 932.454+/-146.016 χ²/NDF: 99.7/32
Left In: 84.122+/-132.548 χ²/NDF:16.4/22
Left: -230.004+/-93.535 χ²/NDF: 88.5/46
Right: 41.242+/-99.167 χ²/NDF: 214.8/63
In: -311.117+/-94.617 χ²/NDF:80.5/53
Out: 121.369+/-97.924 χ²/NDF:216.6/56
All: -102.301+/-68.043 χ²/NDF: 307.2/110


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 554.436+/-0.096 χ²/NDF: 3908294.7/30
Left Out: 557.591+/-0.093 χ²/NDF:1193291.2/23
Right Out: 579.156+/-0.103 χ²/NDF: 5844860.1/32
Left In: 558.392+/-0.094 χ²/NDF:1027828.9/22
Left: 557.990+/-0.066 χ²/NDF: 2221156.8/46
Right: 565.838+/-0.070 χ²/NDF: 9784037.7/63
In: 556.452+/-0.067 χ²/NDF:4936997.7/53
Out: 567.290+/-0.069 χ²/NDF:7062154.6/56
All: 561.685+/-0.048 χ²/NDF: 12011822.7/11



Right In: 634.911+/-311.521 χ^2/NDF: 29.3/30

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -56.293+/-327.723 χ^2/NDF: 44.4/32

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

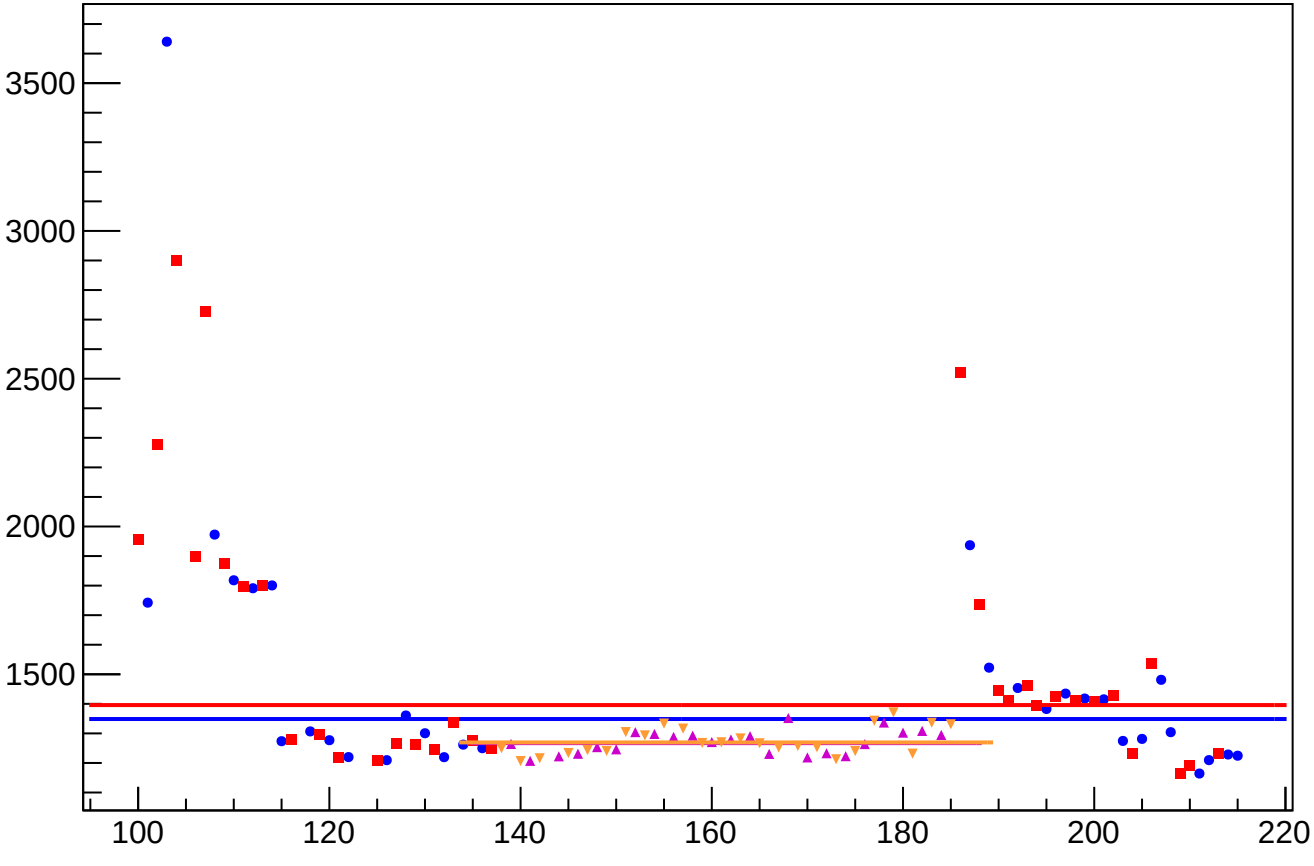
Right: 306.817+/-225.789 χ^2/NDF: 76.1/63

In: 322.113+/-214.583 χ^2/NDF:49.1/53

Out: 429.851+/-219.188 χ^2/NDF:74.6/56

All: 374.838+/-153.335 χ^2/NDF: 123.8/110

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1348.669+/-0.220 χ^2/NDF: 990784.4/30

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1395.859+/-0.232 χ^2/NDF: 1303559.1/32

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

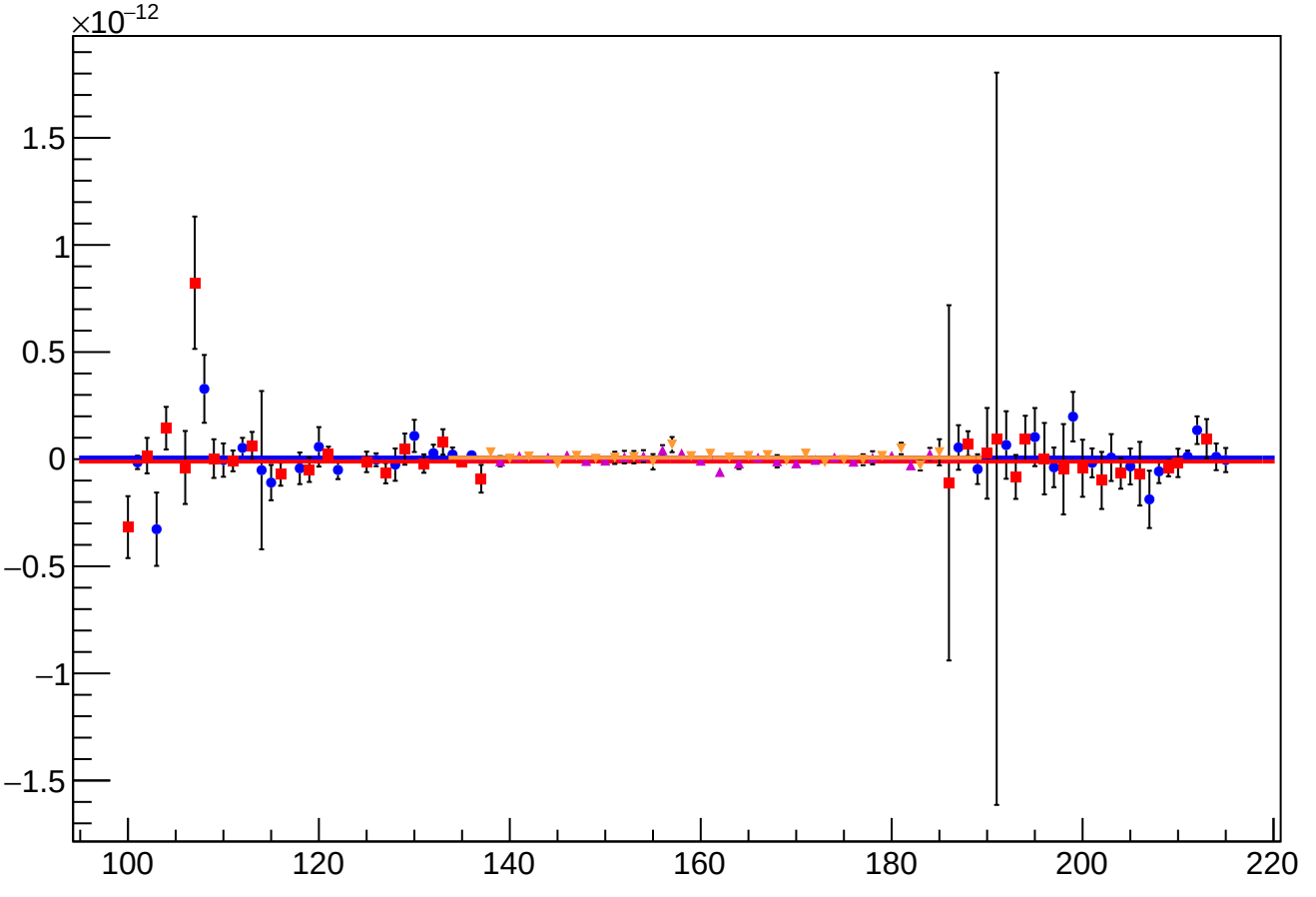
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1371.068+/-0.160 χ^2/NDF: 2316128.4/63

In: 1305.785+/-0.152 χ^2/NDF:1097451.5/53

Out: 1325.990+/-0.155 χ^2/NDF:1511078.5/56

All: 1315.673+/-0.108 χ^2/NDF: 2617208.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/32

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

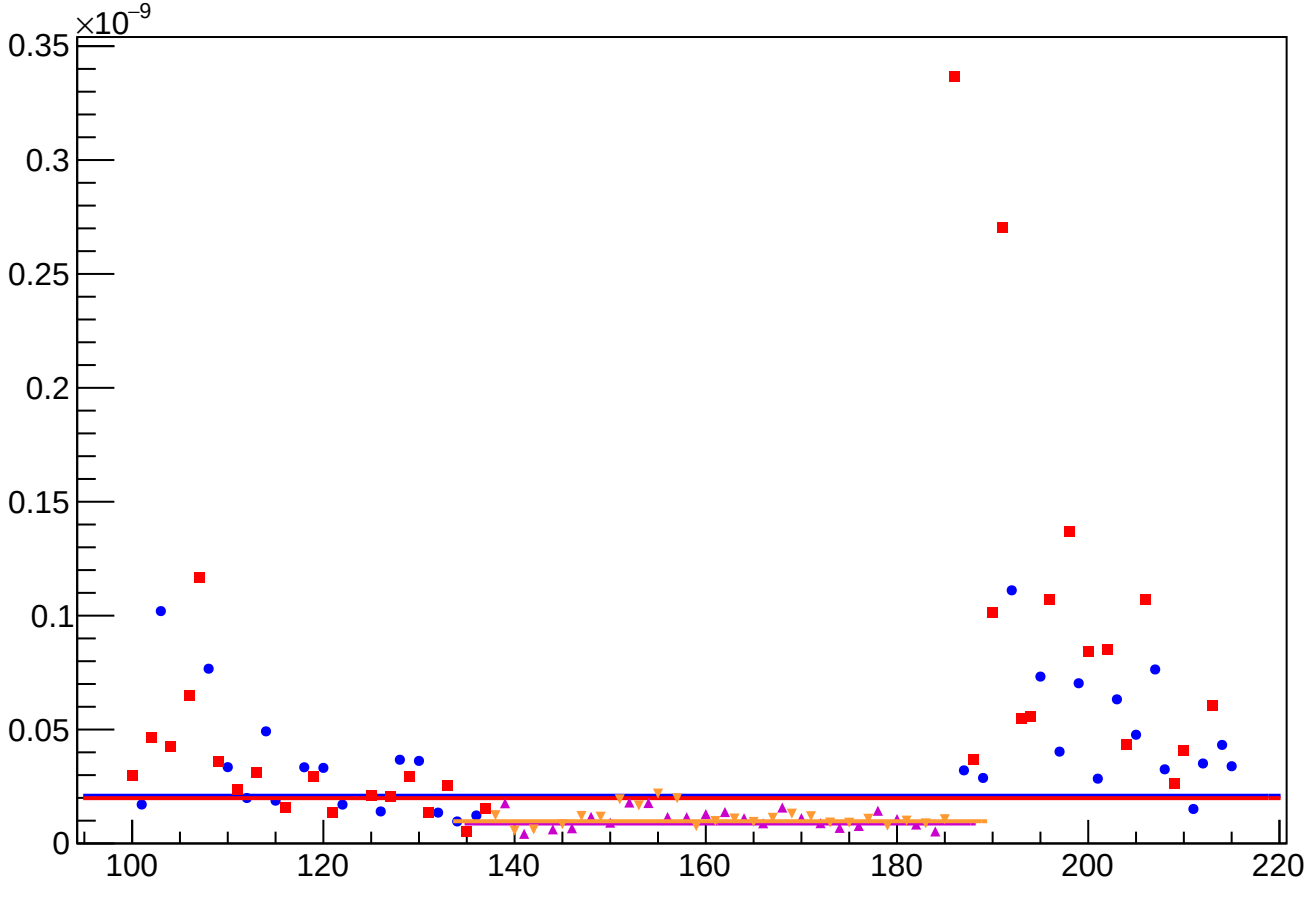
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 62.1/63

In: 0.000+/-0.000 χ^2/NDF:52.4/53

Out: 0.000+/-0.000 χ^2/NDF:53.7/56

All: 0.000+/-0.000 χ^2/NDF: 106.1/110



Right In: 0.000+/-0.000 χ^2/NDF: 4851408.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7731867.5/32

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

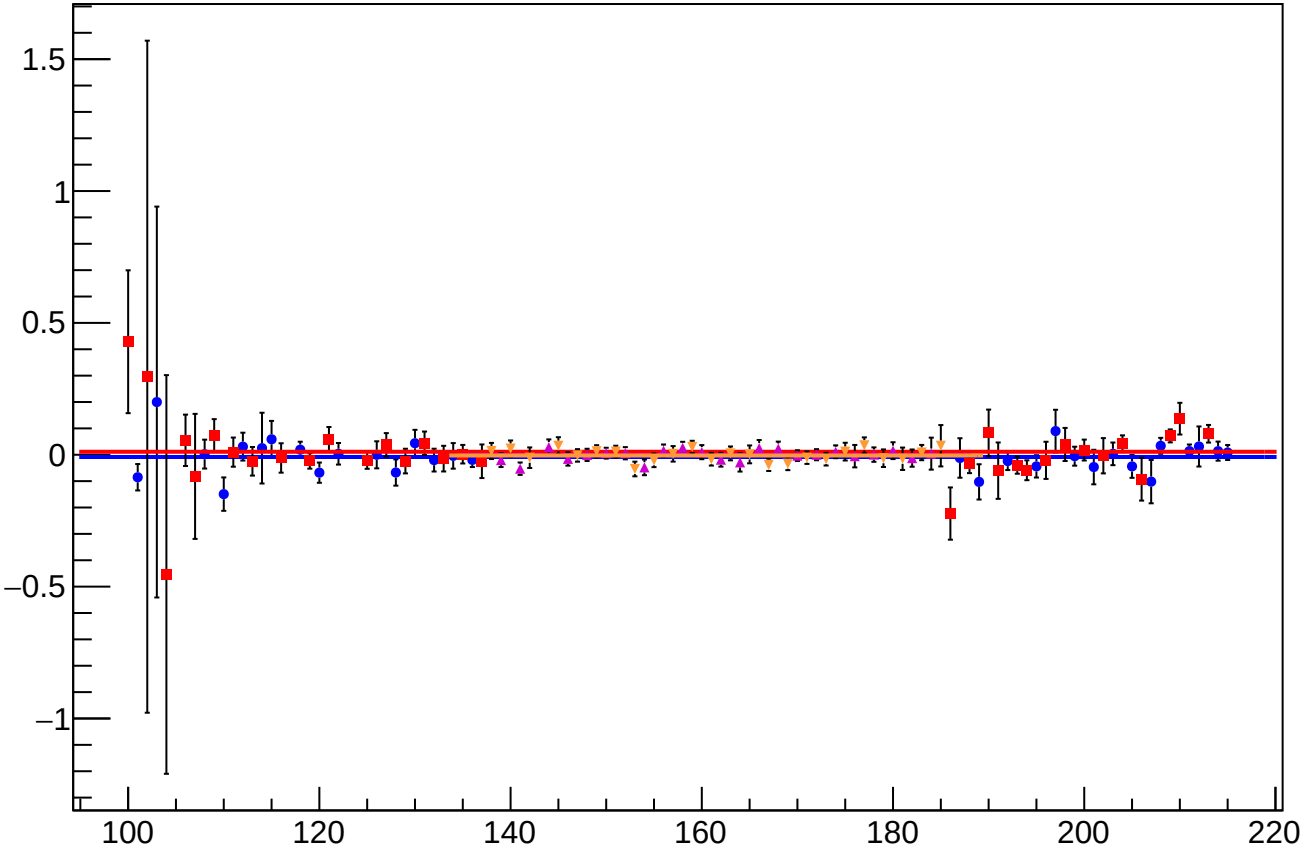
Right: 0.000+/-0.000 χ^2/NDF: 12596132.2/63

In: 0.000+/-0.000 χ^2/NDF:9846790.0/53

Out: 0.000+/-0.000 χ^2/NDF:11003656.4/56

All: 0.000+/-0.000 χ^2/NDF: 20895477.1/110

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.008 χ^2/NDF: 25.6/30

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.011+/-0.008 χ^2/NDF: 42.0/32

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

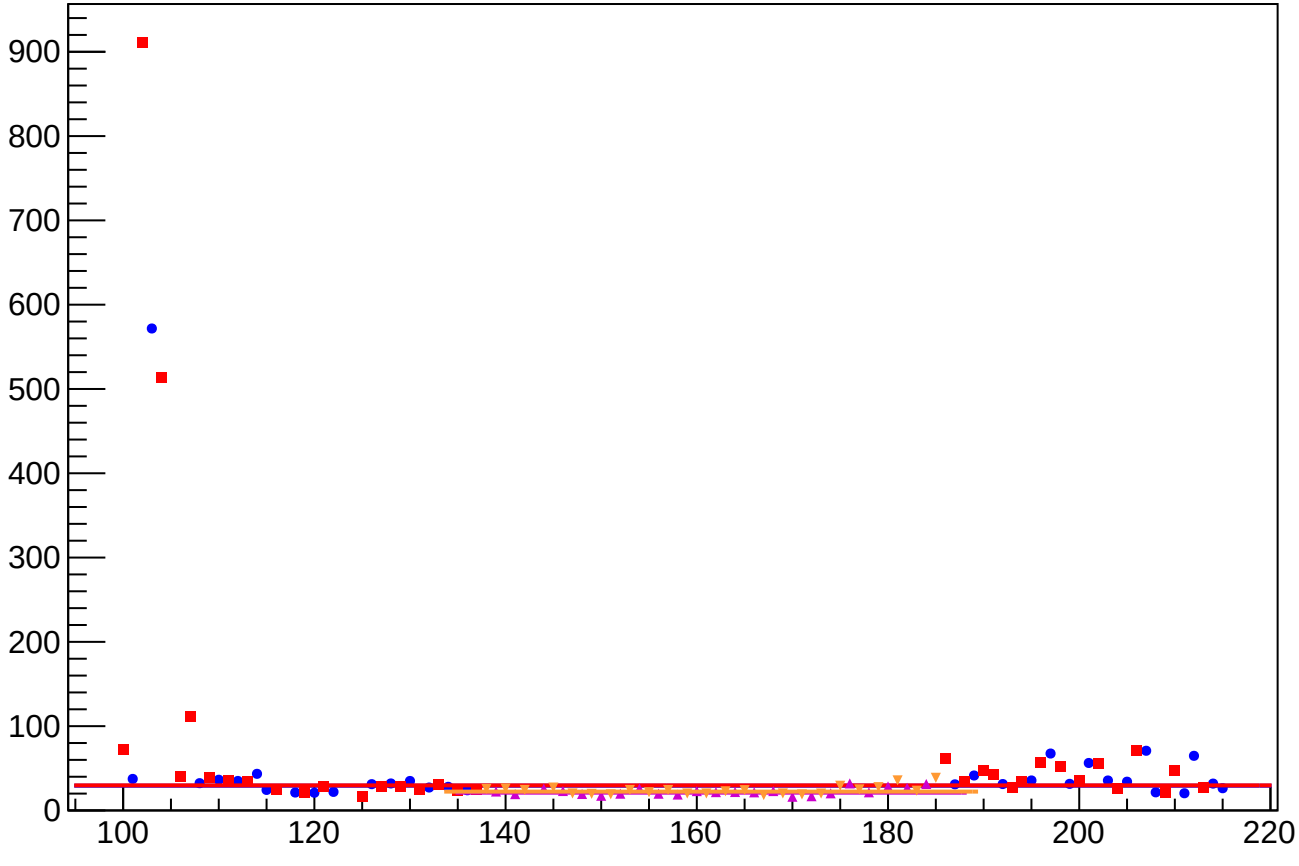
Right: 0.001+/-0.006 χ^2/NDF: 70.7/63

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 102.1/110

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.368+/-0.005 χ^2/NDF: 3973925.2/30

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.748+/-0.006 χ^2/NDF: 5042661.0/32

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

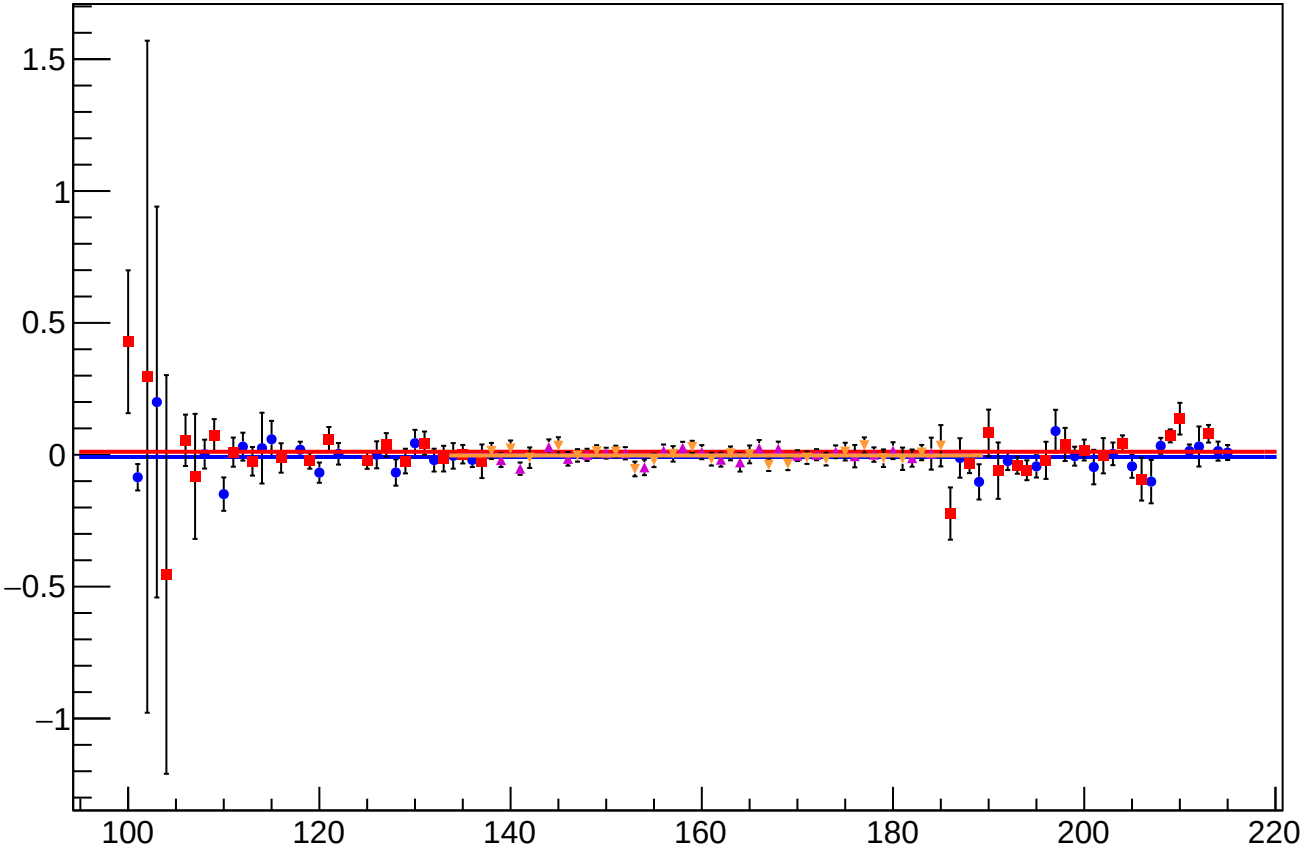
Right: 29.548+/-0.004 χ^2/NDF: 9018851.6/63

In: 23.835+/-0.003 χ^2/NDF:6307842.7/53

Out: 24.760+/-0.003 χ^2/NDF:6959338.3/56

All: 24.278+/-0.002 χ^2/NDF: 13308103.9/110

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.008 χ^2/NDF: 25.6/30

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.011+/-0.008 χ^2/NDF: 42.0/32

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

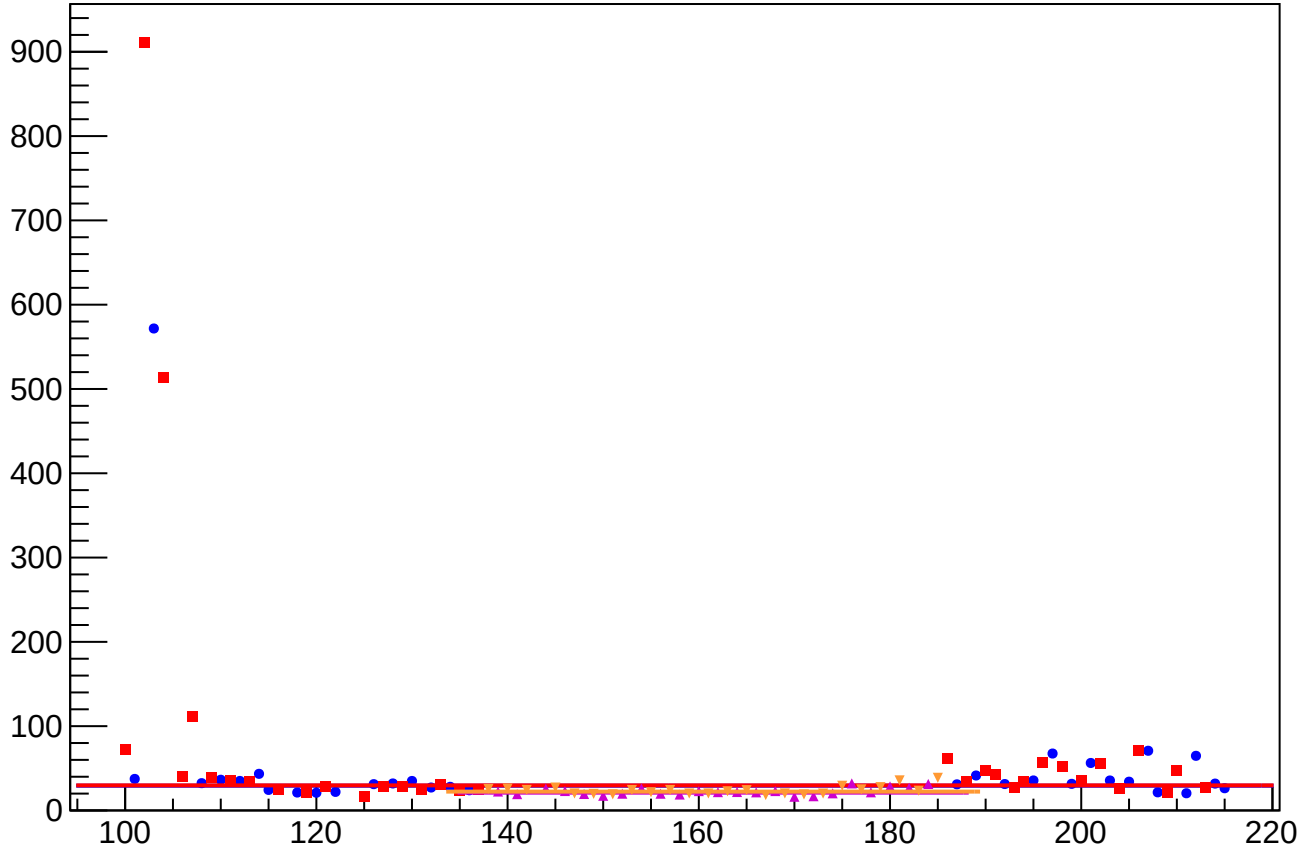
Right: 0.001+/-0.006 χ^2/NDF: 70.7/63

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 102.1/110

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.368+/-0.005 χ^2/NDF: 3973925.2/30

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.748+/-0.006 χ^2/NDF: 5042661.0/32

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

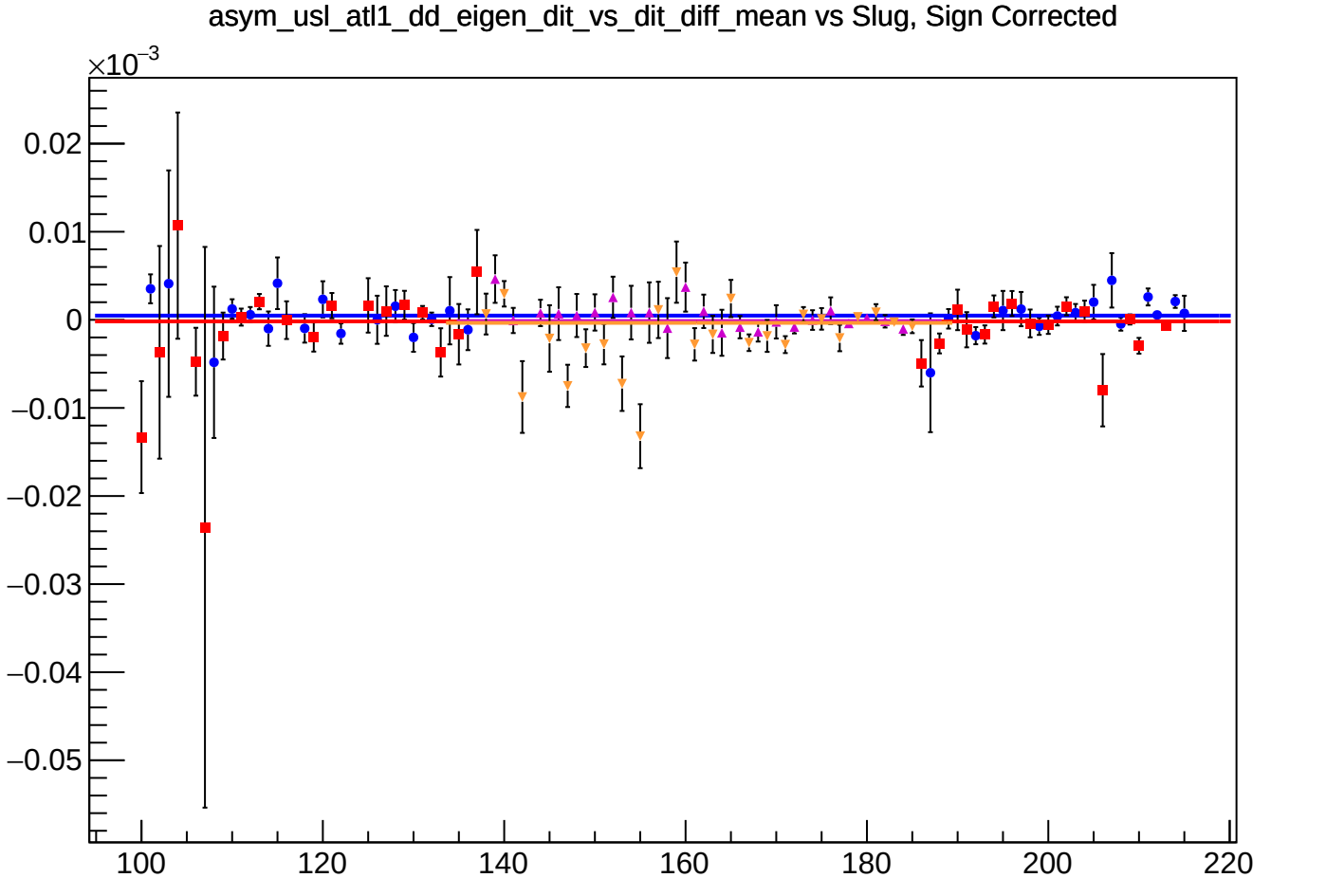
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.548+/-0.004 χ^2/NDF: 9018851.6/63

In: 23.835+/-0.003 χ^2/NDF:6307842.7/53

Out: 24.760+/-0.003 χ^2/NDF:6959338.3/56

All: 24.278+/-0.002 χ^2/NDF: 13308103.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 36.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 56.5/32

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

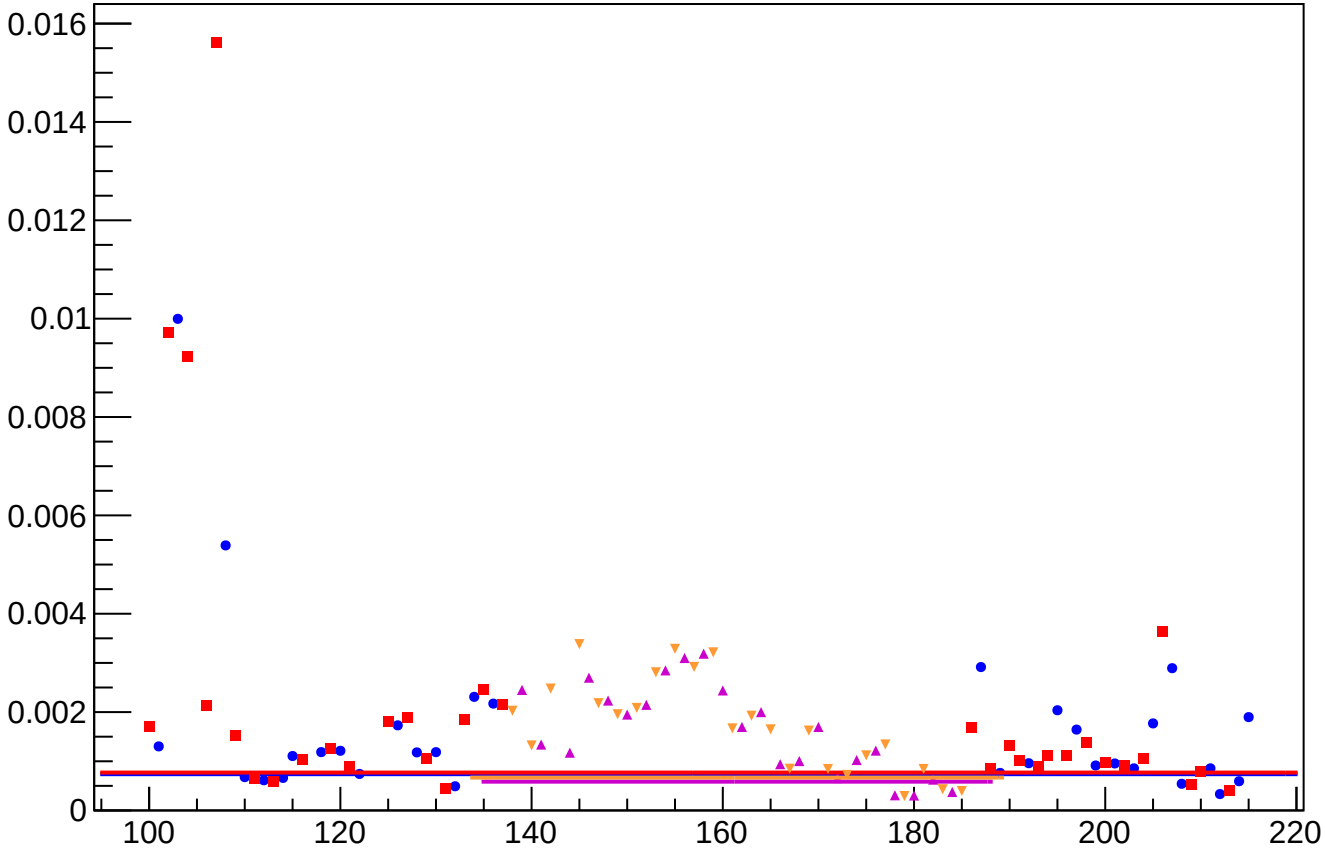
Right: 0.000+/-0.000 χ^2/NDF: 98.0/63

In: 0.000+/-0.000 χ^2/NDF:56.0/53

Out: -0.000+/-0.000 χ^2/NDF:124.9/56

All: -0.000+/-0.000 χ^2/NDF: 184.8/110

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10059907.6/30

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8807017.2/32

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

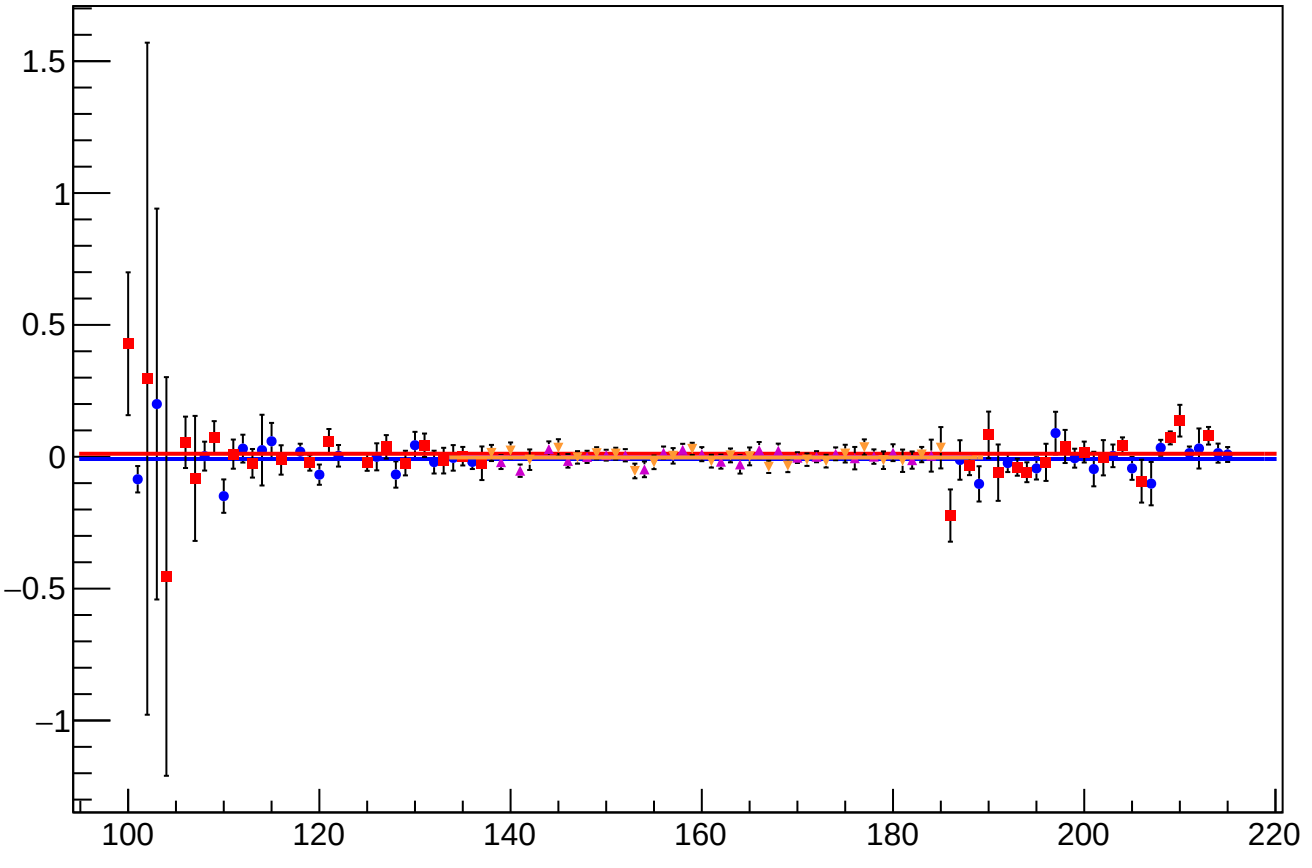
Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

Right: 0.001+/-0.000 χ^2/NDF: 18890997.2/63

In: 0.001+/-0.000 χ^2/NDF:26317405.5/53

Out: 0.001+/-0.000 χ^2/NDF:24417300.5/56

All: 0.001+/-0.000 χ^2/NDF: 50918438.5/110



Right In: -0.008+/-0.008 χ^2/NDF: 25.6/30

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.011+/-0.008 χ^2/NDF: 42.0/32

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

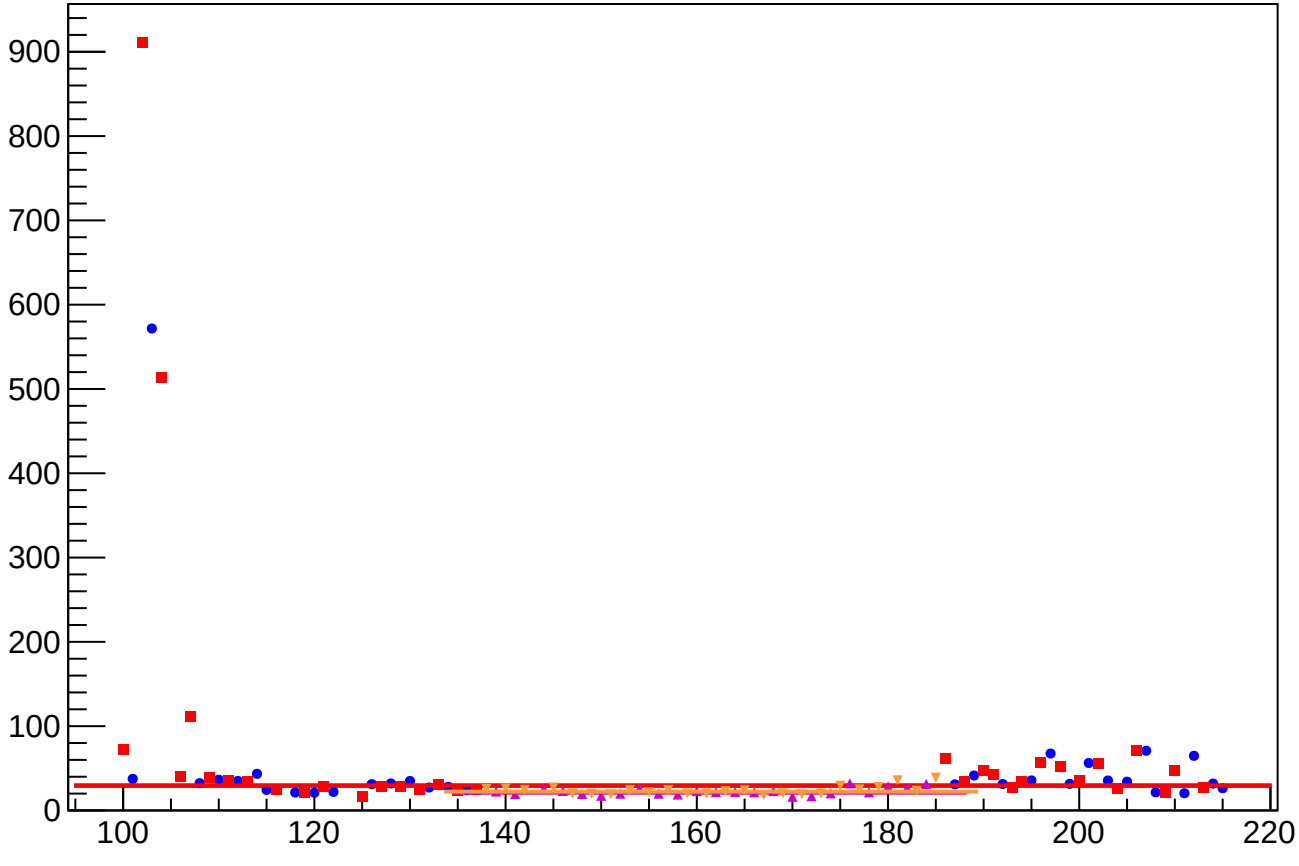
Right: 0.001+/-0.006 χ^2/NDF: 70.7/63

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 102.1/110

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.368+/-0.005 χ^2/NDF: 3973979.1/30

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 29.748+/-0.006 χ^2/NDF: 5042716.2/32

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

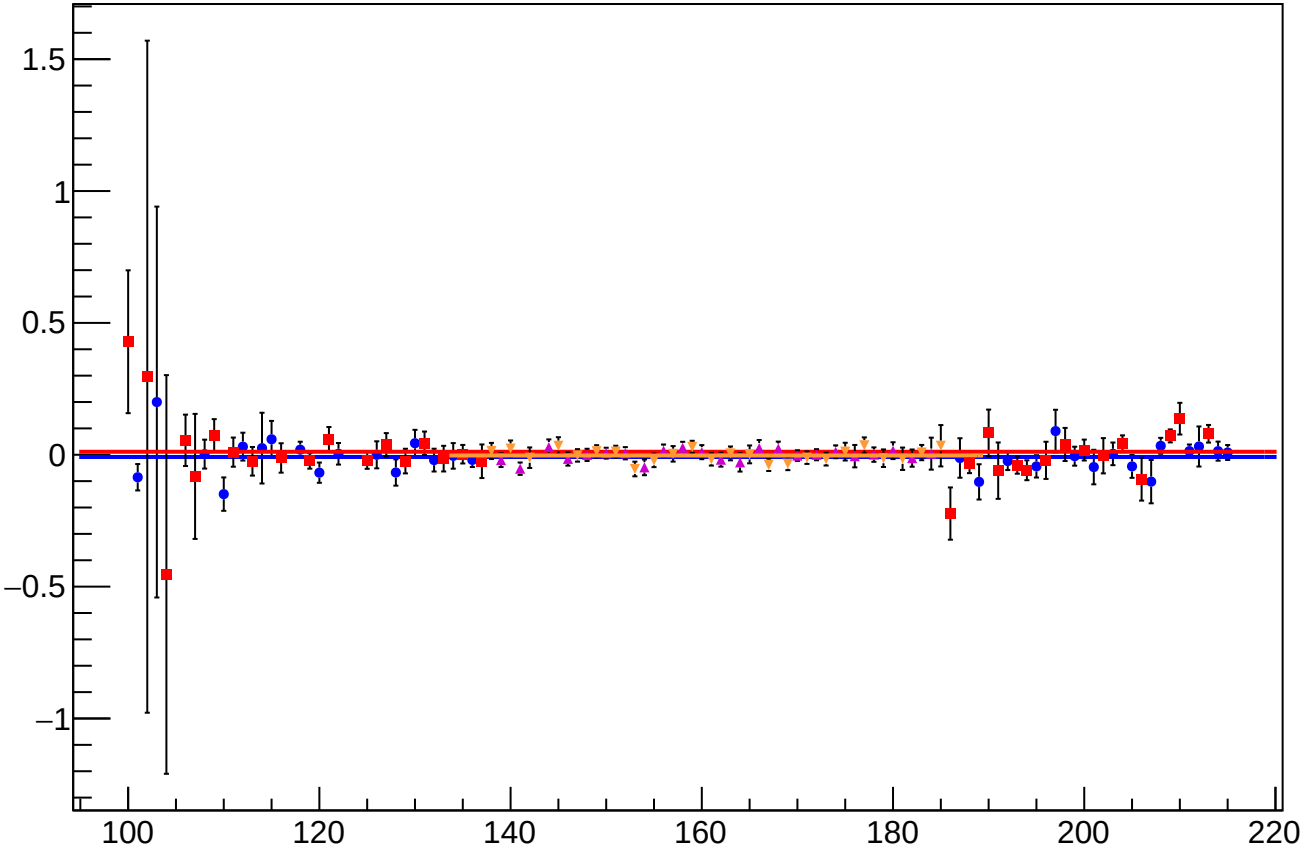
Right: 29.548+/-0.004 χ^2/NDF: 9018960.9/63

In: 23.835+/-0.003 χ^2/NDF:6307931.2/53

Out: 24.760+/-0.003 χ^2/NDF:6959396.4/56

All: 24.278+/-0.002 χ^2/NDF: 13308249.7/110

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.008 χ^2/NDF: 25.6/30

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.011+/-0.008 χ^2/NDF: 42.0/32

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

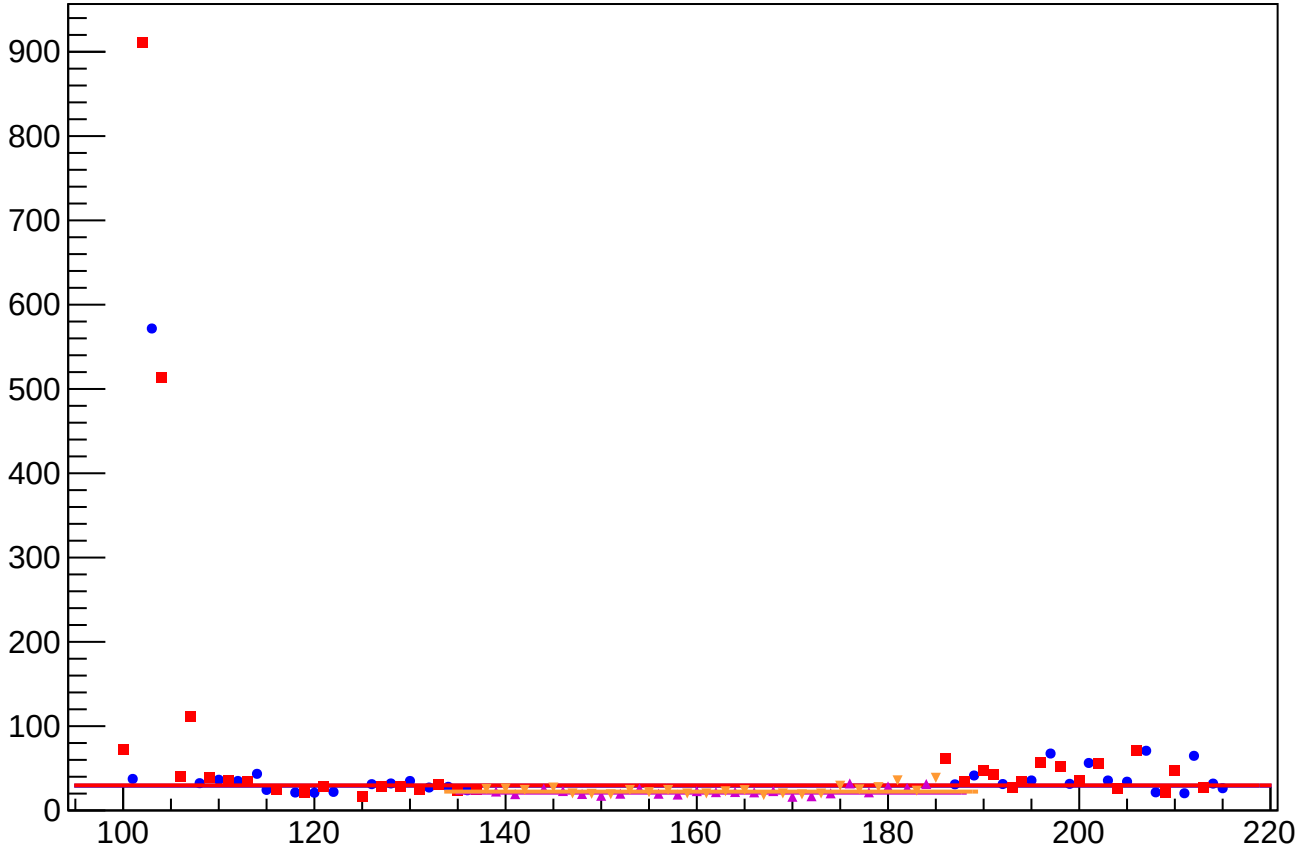
Right: 0.001+/-0.006 χ^2/NDF: 70.7/63

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.002+/-0.005 χ^2/NDF:60.3/56

All: -0.001+/-0.003 χ^2/NDF: 102.1/110

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.368+/-0.005 χ^2/NDF: 3973979.1/30

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 29.748+/-0.006 χ^2/NDF: 5042716.2/32

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

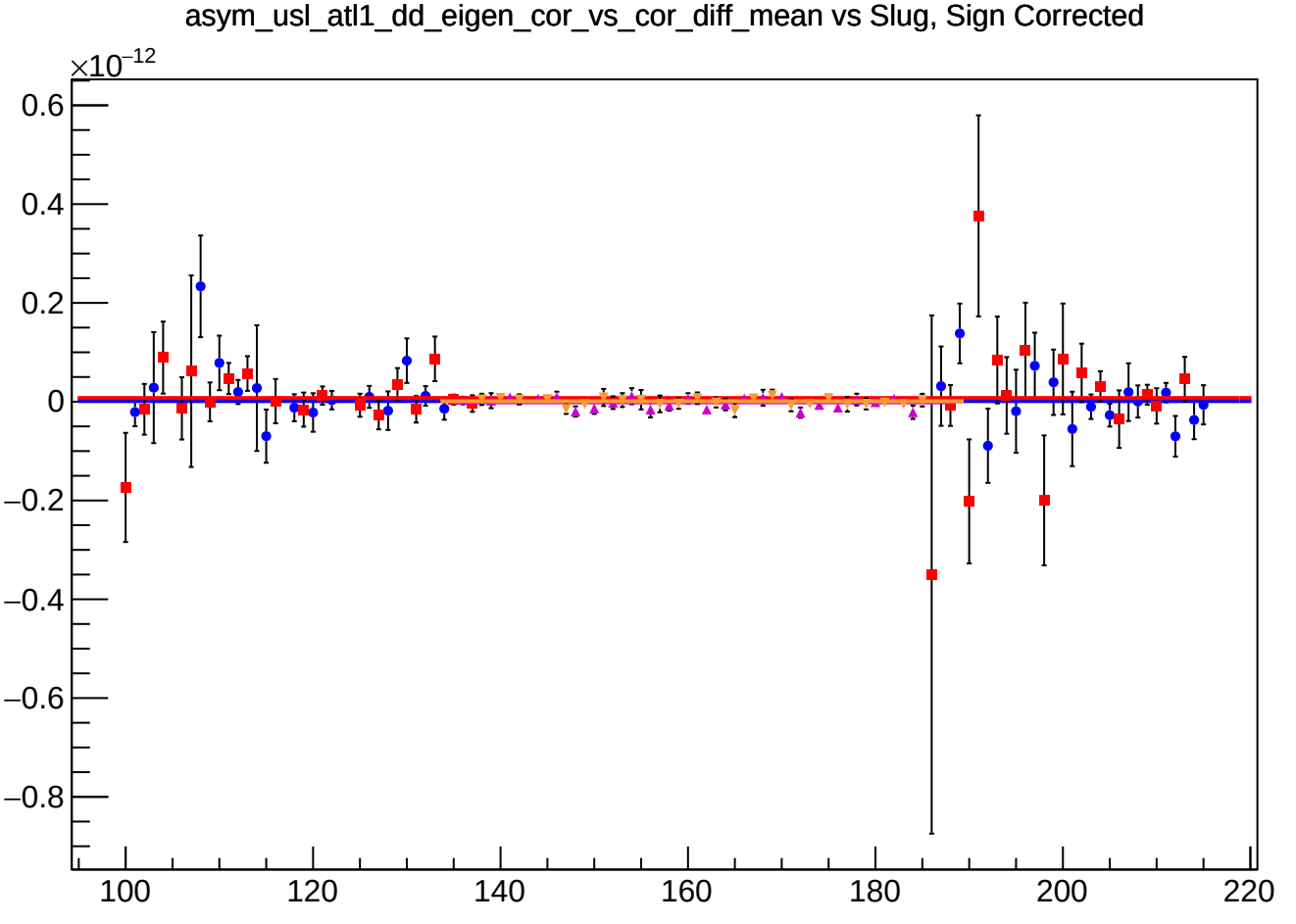
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 29.548+/-0.004 χ^2/NDF: 9018960.9/63

In: 23.835+/-0.003 χ^2/NDF:6307931.2/53

Out: 24.760+/-0.003 χ^2/NDF:6959396.4/56

All: 24.278+/-0.002 χ^2/NDF: 13308249.7/110



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/32

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

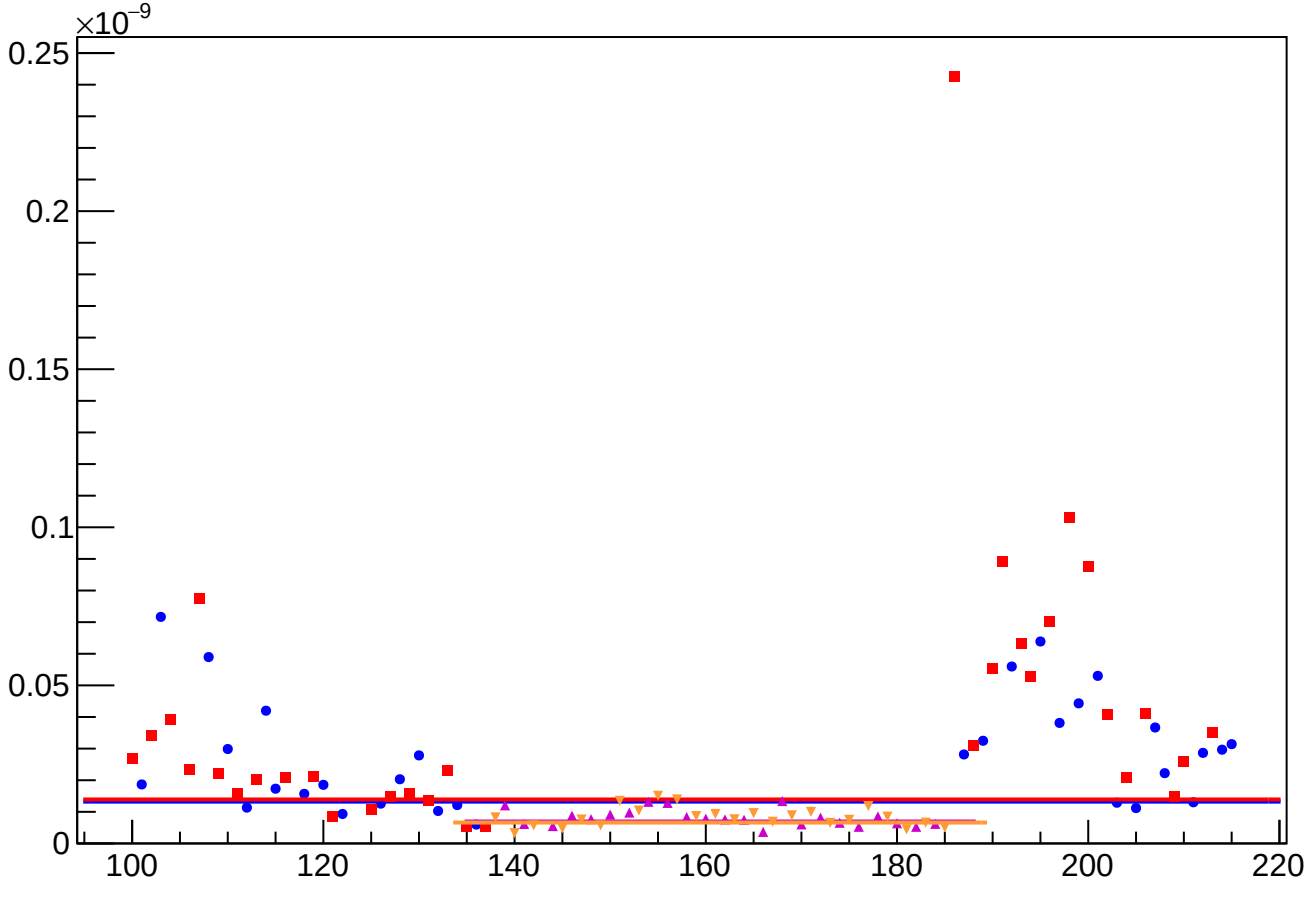
Right: 0.000+/-0.000 χ^2/NDF: 60.9/63

In: -0.000+/-0.000 χ^2/NDF:56.5/53

Out: 0.000+/-0.000 χ^2/NDF:42.5/56

All: 0.000+/-0.000 χ^2/NDF: 100.0/110

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7725936.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9804153.1/32

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

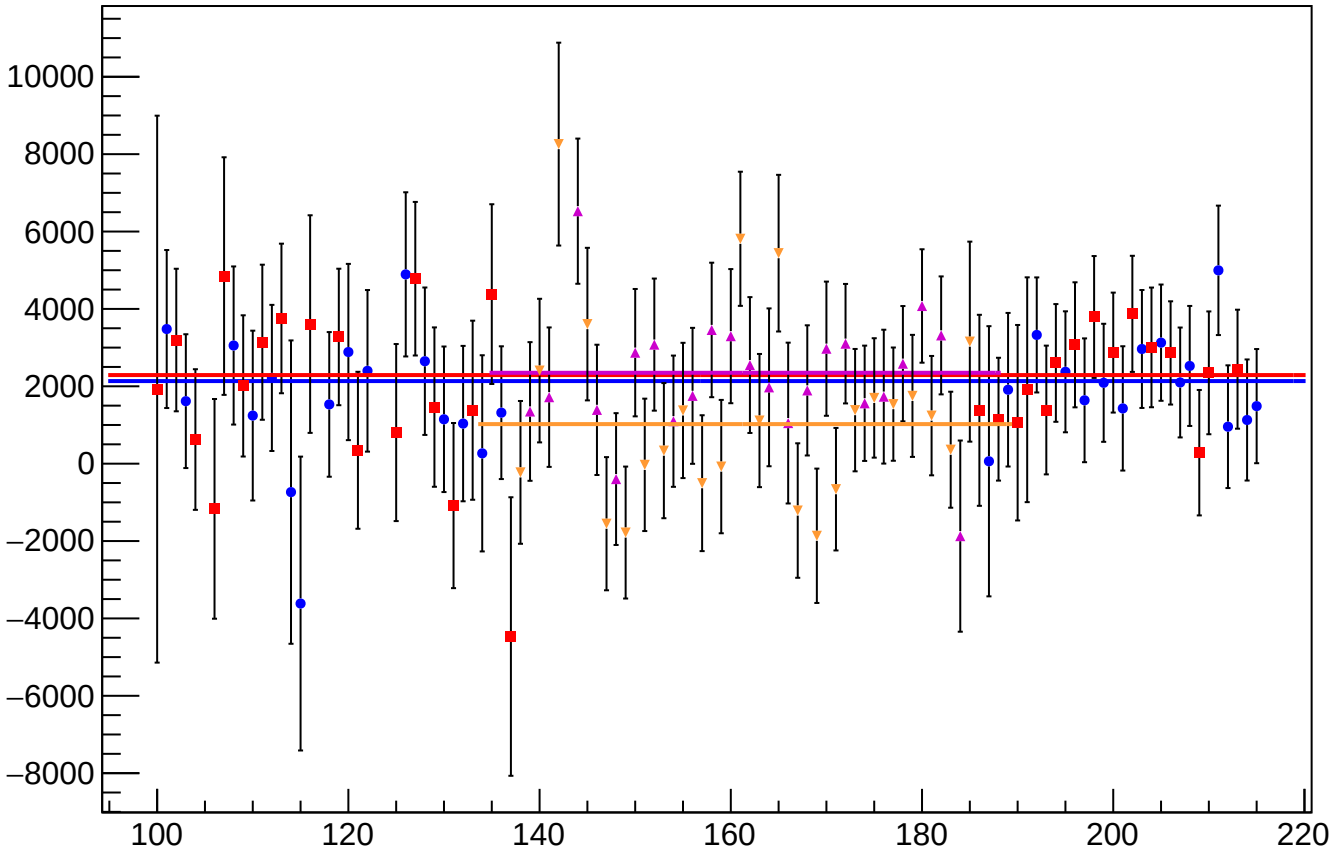
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 17547258.7/63

In: 0.000+/-0.000 χ^2/NDF:12809139.1/53

Out: 0.000+/-0.000 χ^2/NDF:16422464.8/56

All: 0.000+/-0.000 χ^2/NDF: 29274710.8/110



Right In: 2134.856+/-324.799 χ^2/NDF: 13.3/30

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2290.037+/-330.423 χ^2/NDF: 20.2/32

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

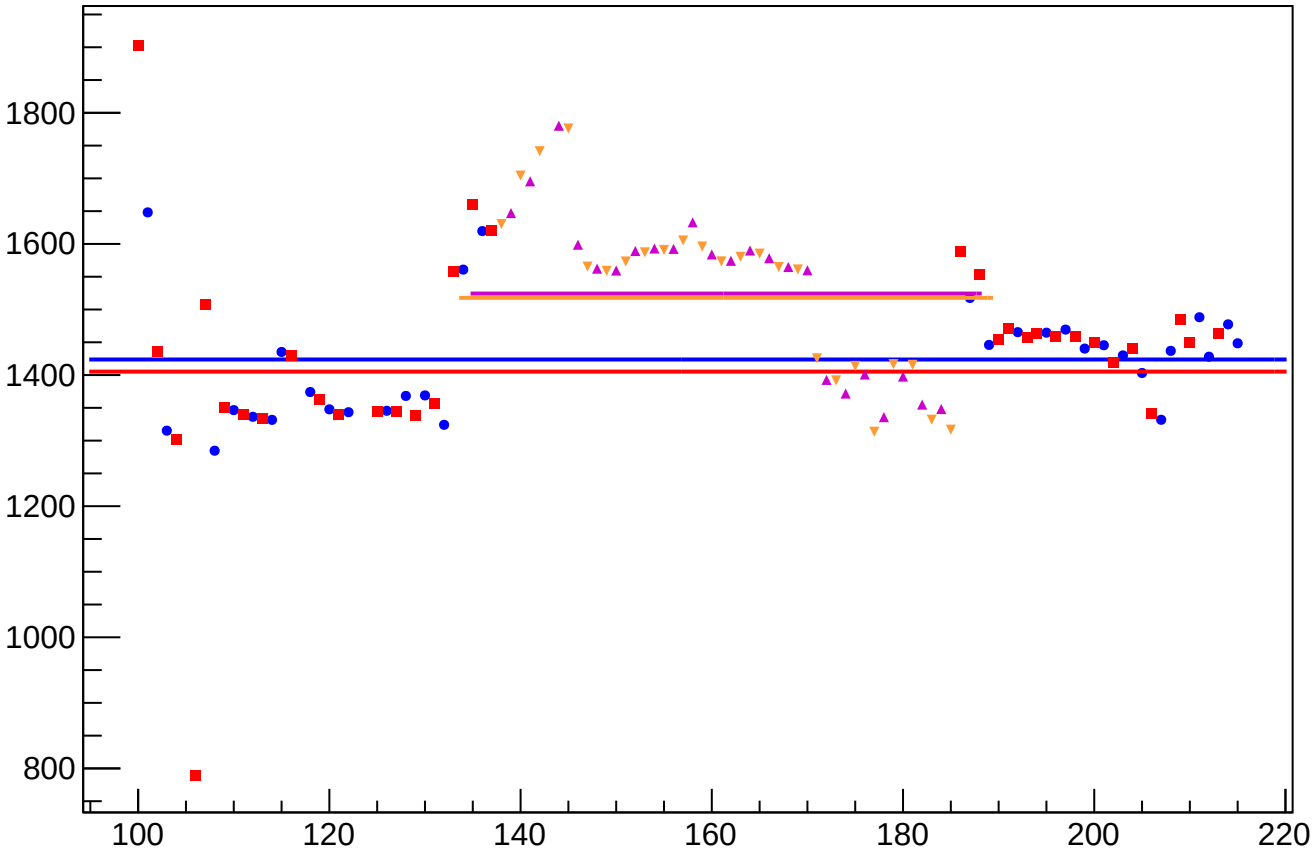
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2211.115+/-231.630 χ^2/NDF: 33.6/63

In: 2231.902+/-240.267 χ^2/NDF:29.4/53

Out: 1698.964+/-241.378 χ^2/NDF:63.5/56

All: 1966.661+/-170.286 χ^2/NDF: 95.4/110



Right In: 1423.736+/-0.230 χ^2/NDF: 120419.3/30

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1405.264+/-0.231 χ^2/NDF: 409627.3/32

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

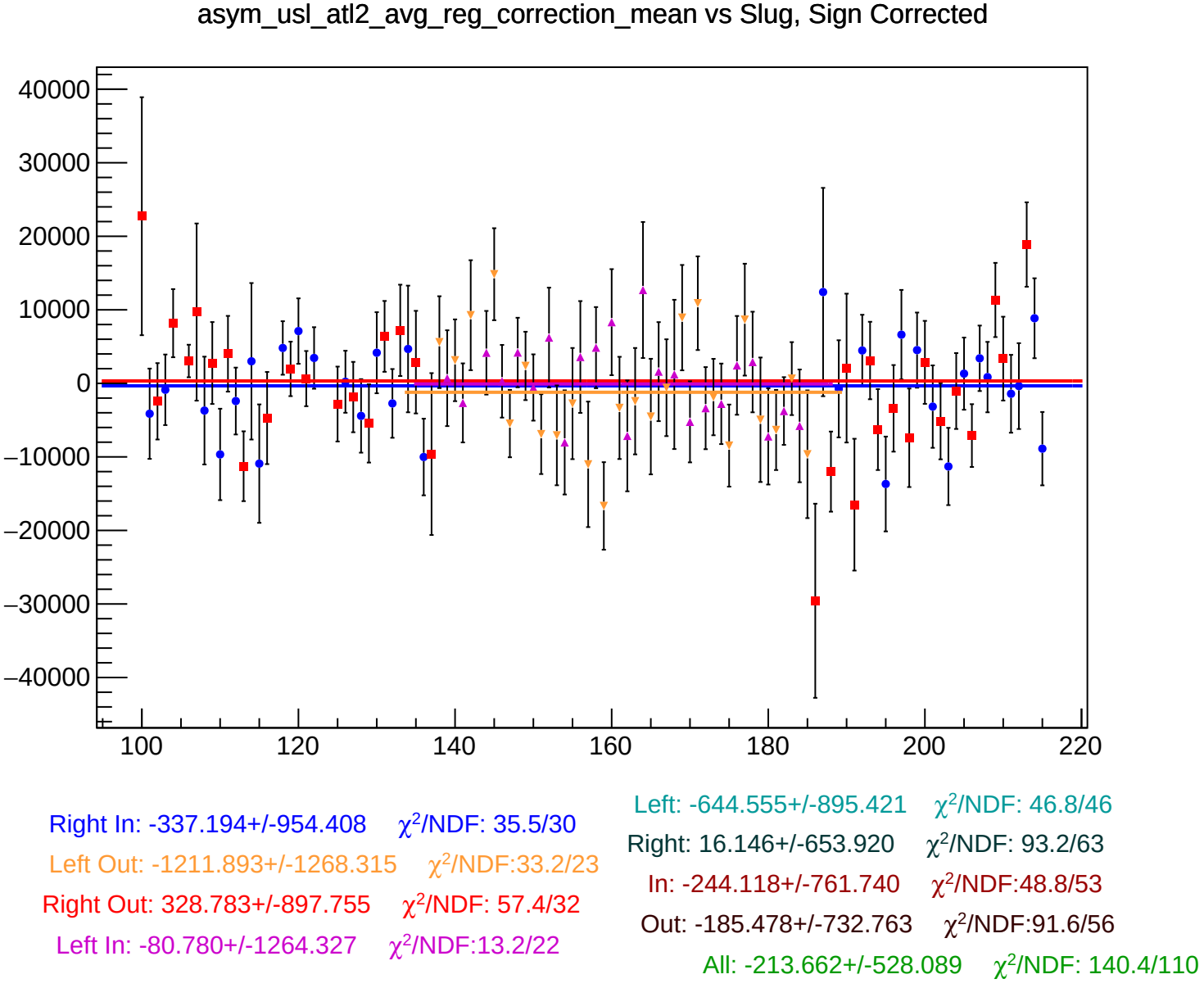
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

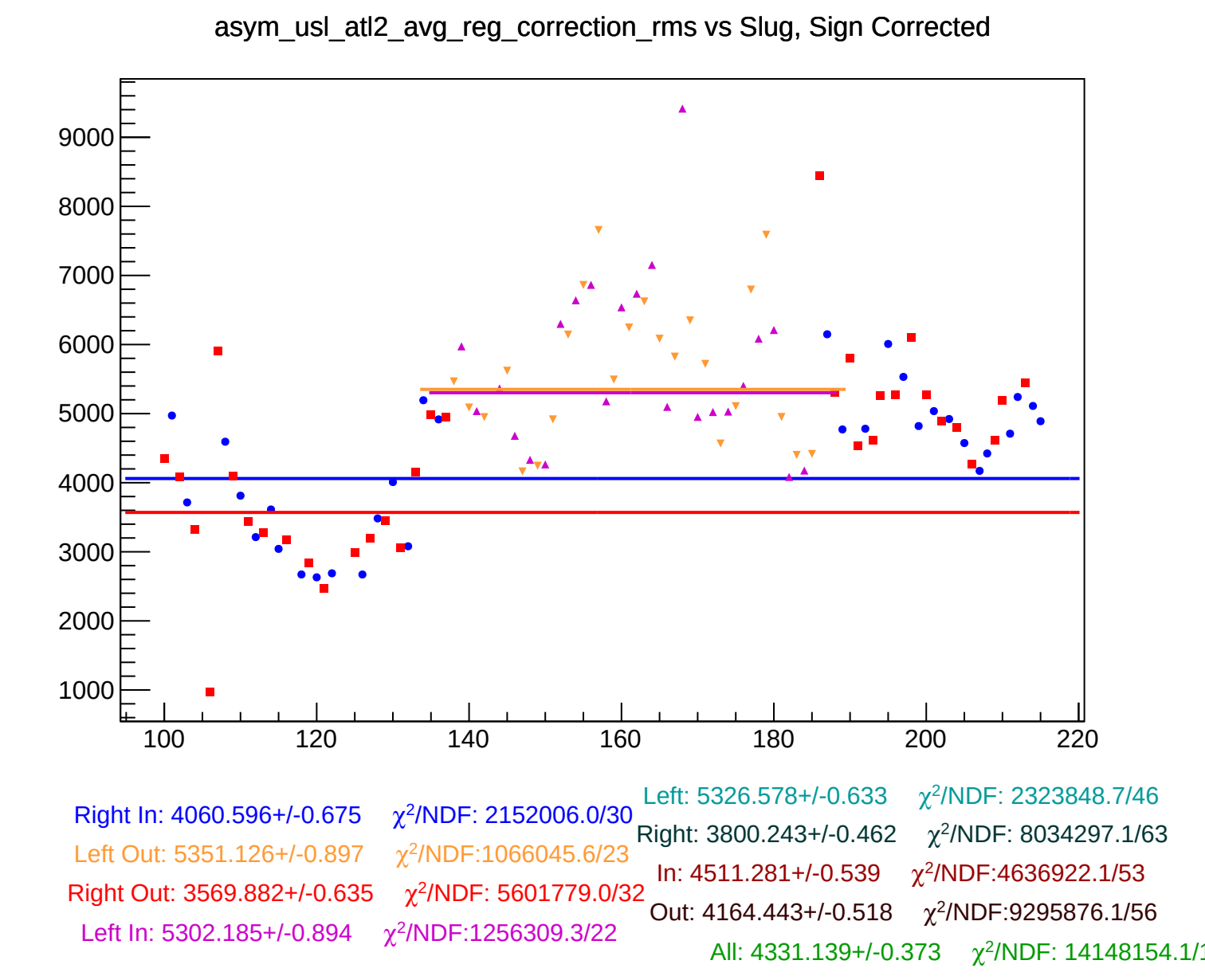
Right: 1414.538+/-0.163 χ^2/NDF: 533267.9/63

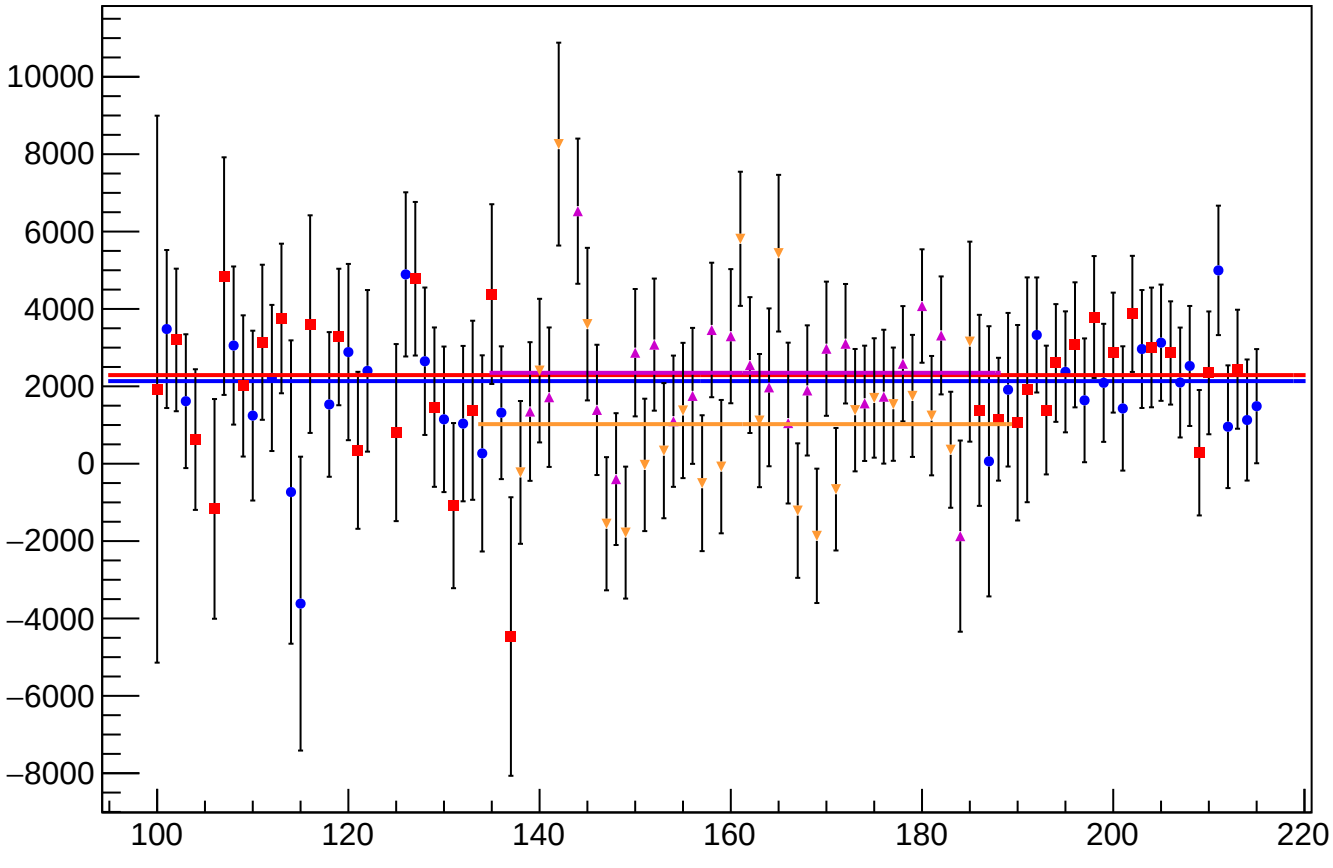
In: 1469.276+/-0.170 χ^2/NDF:431574.9/53

Out: 1457.020+/-0.169 χ^2/NDF:753125.4/56

All: 1463.133+/-0.120 χ^2/NDF: 1187308.7/11


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -337.194+/-954.408 χ²/NDF: 35.5/30
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: 328.783+/-897.755 χ²/NDF: 57.4/32
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: 16.146+/-653.920 χ²/NDF: 93.2/63
In: -244.118+/-761.740 χ²/NDF:48.8/53
Out: -185.478+/-732.763 χ²/NDF:91.6/56
All: -213.662+/-528.089 χ²/NDF: 140.4/110


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 4060.596+/-0.675 χ²/NDF: 2152006.0/30
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3569.882+/-0.635 χ²/NDF: 5601779.0/32
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3800.243+/-0.462 χ²/NDF: 8034297.1/63
In: 4511.281+/-0.539 χ²/NDF:4636922.1/53
Out: 4164.443+/-0.518 χ²/NDF:9295876.1/56
All: 4331.139+/-0.373 χ²/NDF: 14148154.1/1



Right In: 2134.825+/-324.799 χ^2/NDF: 13.3/30

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2290.103+/-330.424 χ^2/NDF: 20.2/32

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

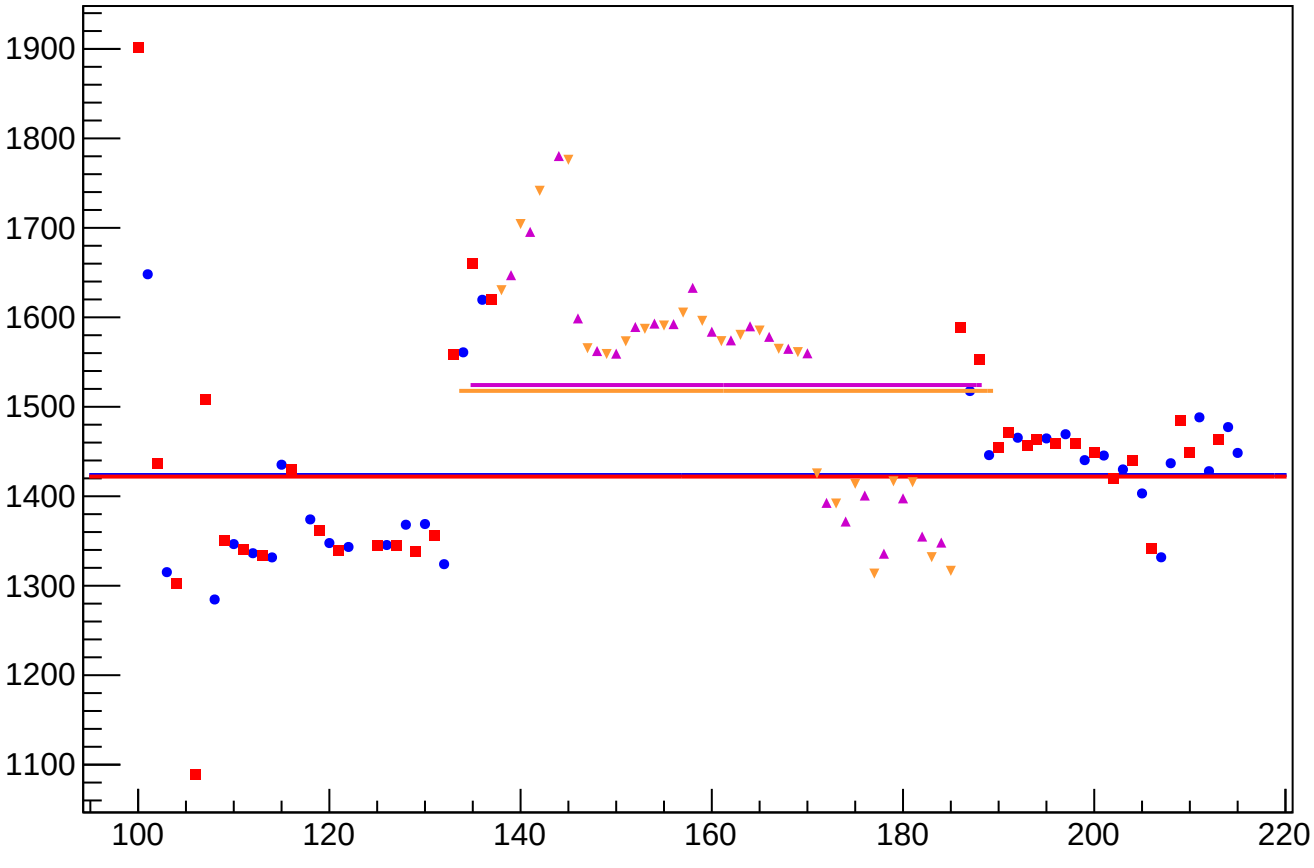
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2211.131+/-231.631 χ^2/NDF: 33.6/63

In: 2231.883+/-240.267 χ^2/NDF:29.4/53

Out: 1699.011+/-241.378 χ^2/NDF:63.5/56

All: 1966.676+/-170.286 χ^2/NDF: 95.4/110



Right In: 1423.736+/-0.230 χ^2/NDF: 120419.3/30

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1422.000+/-0.232 χ^2/NDF: 171306.6/32

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

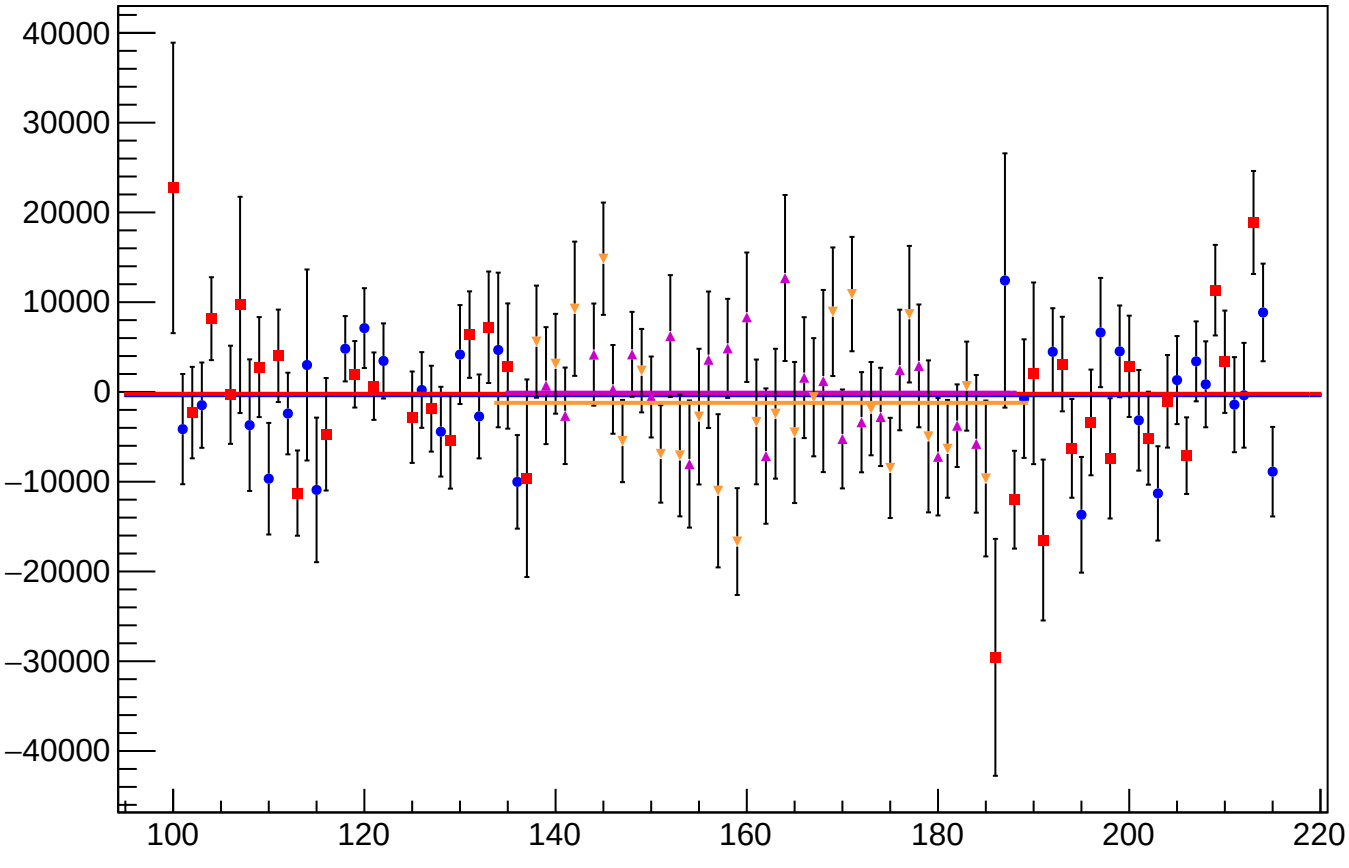
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1422.878+/-0.163 χ^2/NDF: 291754.2/63

In: 1469.276+/-0.170 χ^2/NDF:431575.0/53

Out: 1466.424+/-0.170 χ^2/NDF:484092.0/56

All: 1467.852+/-0.120 χ^2/NDF: 915807.6/110



Right In: -361.963+/-954.013 χ^2/NDF: 35.6/30

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -204.397+/-965.849 χ^2/NDF: 55.6/32

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

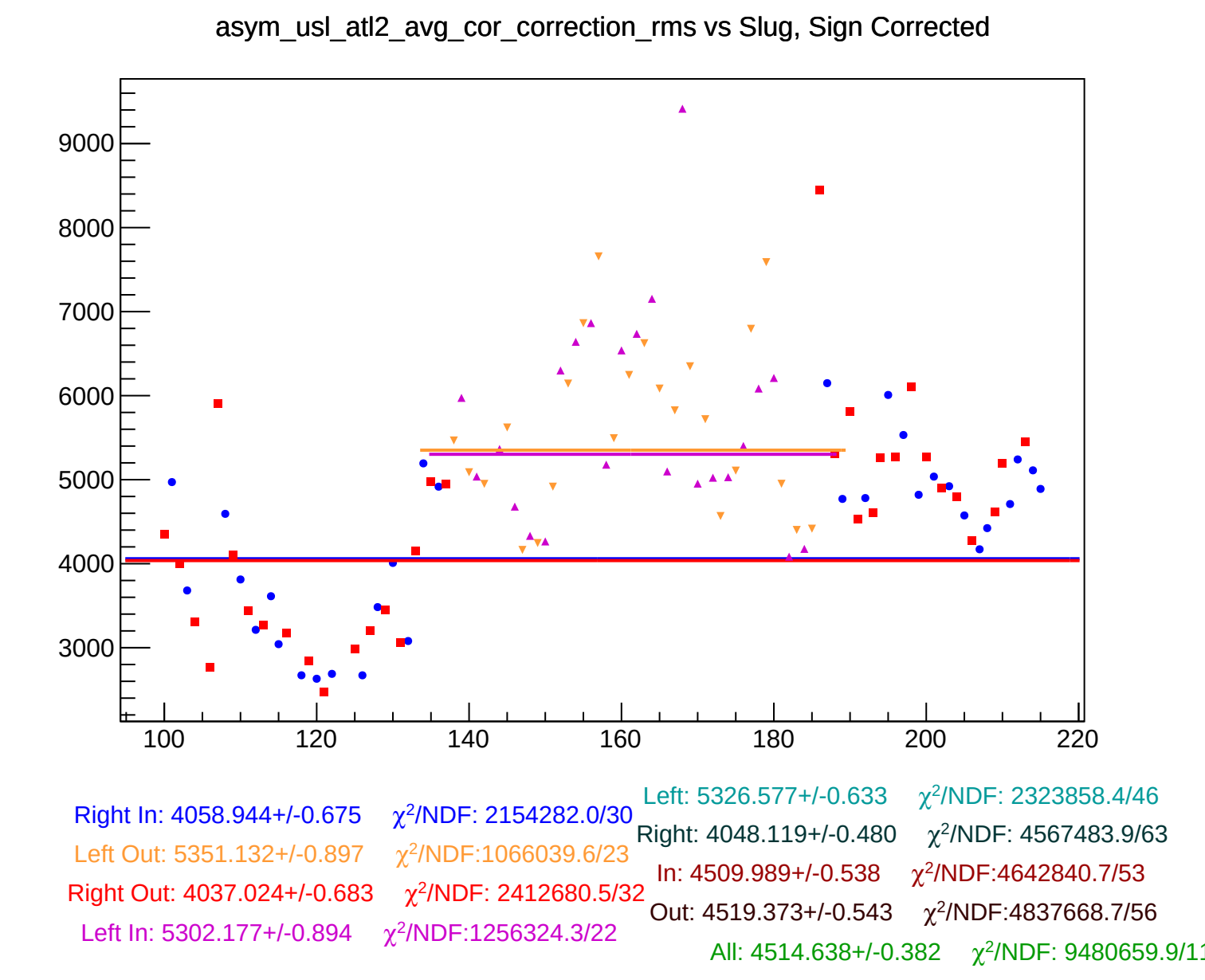
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

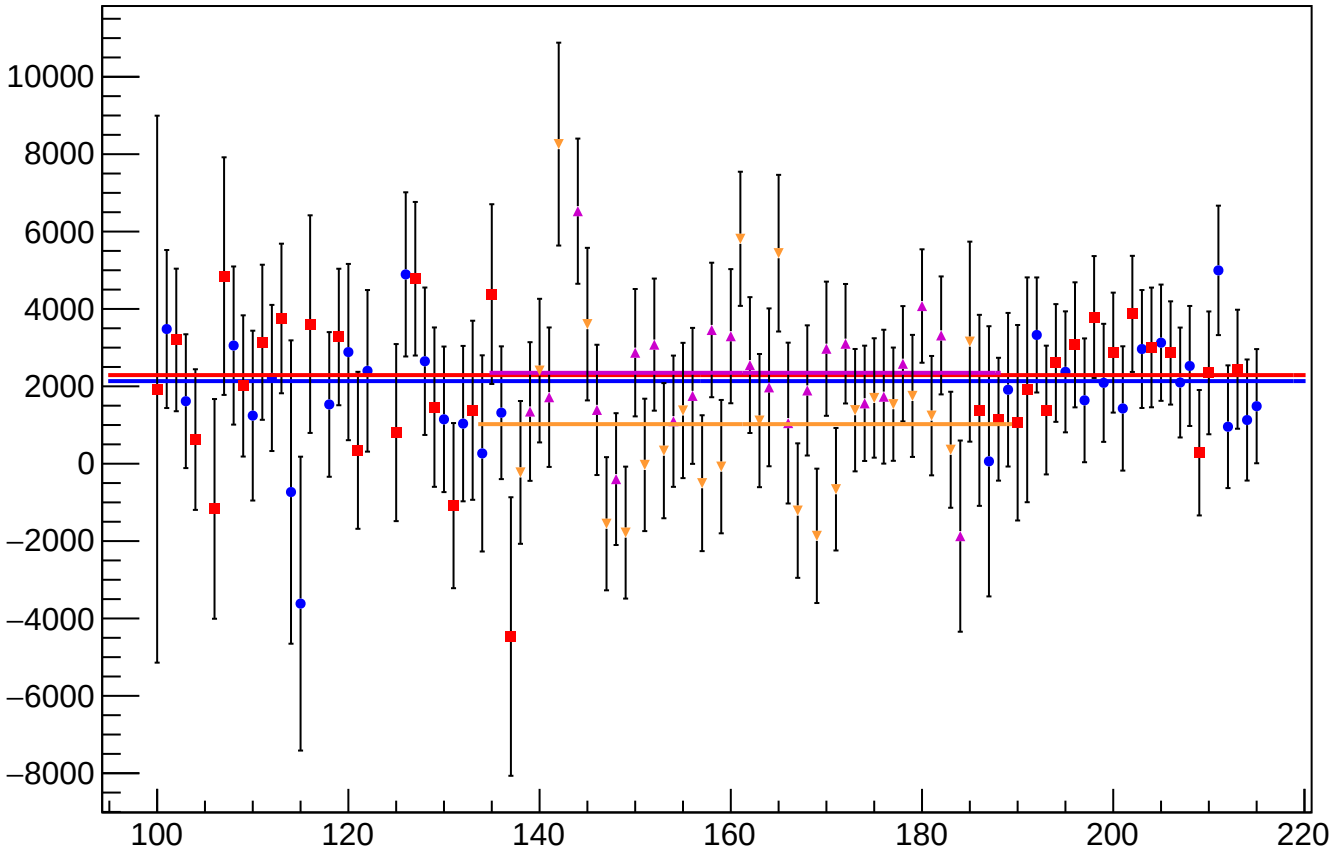
Right: -284.152+/-678.735 χ^2/NDF: 91.2/63

In: -259.917+/-761.539 χ^2/NDF:48.8/53

Out: -574.201+/-768.409 χ^2/NDF:89.3/56

All: -415.648+/-540.902 χ^2/NDF: 138.1/110


asym_usl_atl2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
220
Right In: 4058.944+/-0.675 χ²/NDF: 2154282.0/30
Left Out: 5351.132+/-0.897 χ²/NDF:1066039.6/23
Right Out: 4037.024+/-0.683 χ²/NDF: 2412680.5/32
Left In: 5302.177+/-0.894 χ²/NDF:1256324.3/22
Left: 5326.577+/-0.633 χ²/NDF: 2323858.4/46
Right: 4048.119+/-0.480 χ²/NDF: 4567483.9/63
In: 4509.989+/-0.538 χ²/NDF:4642840.7/53
Out: 4519.373+/-0.543 χ²/NDF:4837668.7/56
All: 4514.638+/-0.382 χ²/NDF: 9480659.9/11



Right In: 2134.825+/-324.799 χ^2/NDF: 13.3/30

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2290.103+/-330.424 χ^2/NDF: 20.2/32

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

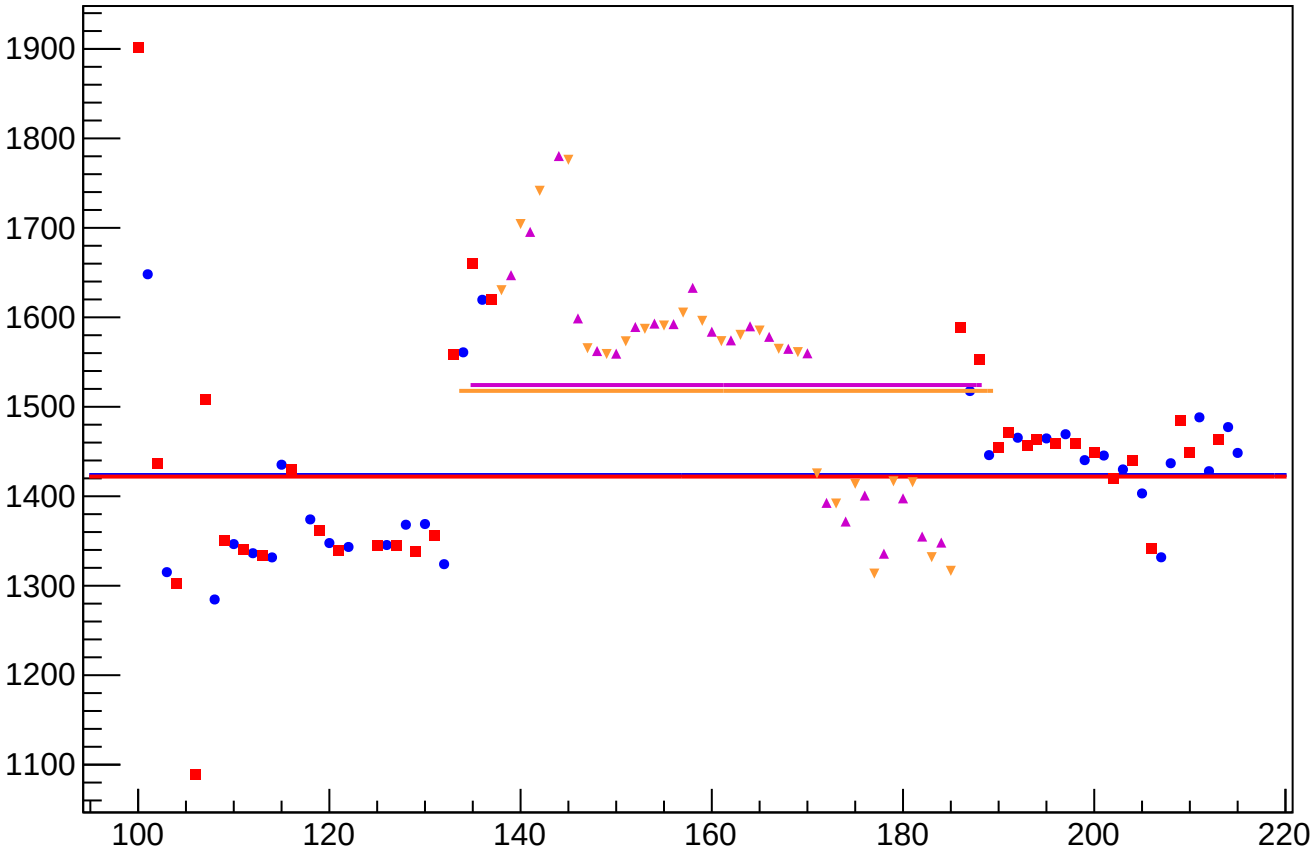
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2211.131+/-231.631 χ^2/NDF: 33.6/63

In: 2231.883+/-240.267 χ^2/NDF:29.4/53

Out: 1699.011+/-241.378 χ^2/NDF:63.5/56

All: 1966.676+/-170.286 χ^2/NDF: 95.4/110



Right In: 1423.736+/-0.230 χ^2/NDF: 120419.3/30

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1422.000+/-0.232 χ^2/NDF: 171306.6/32

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

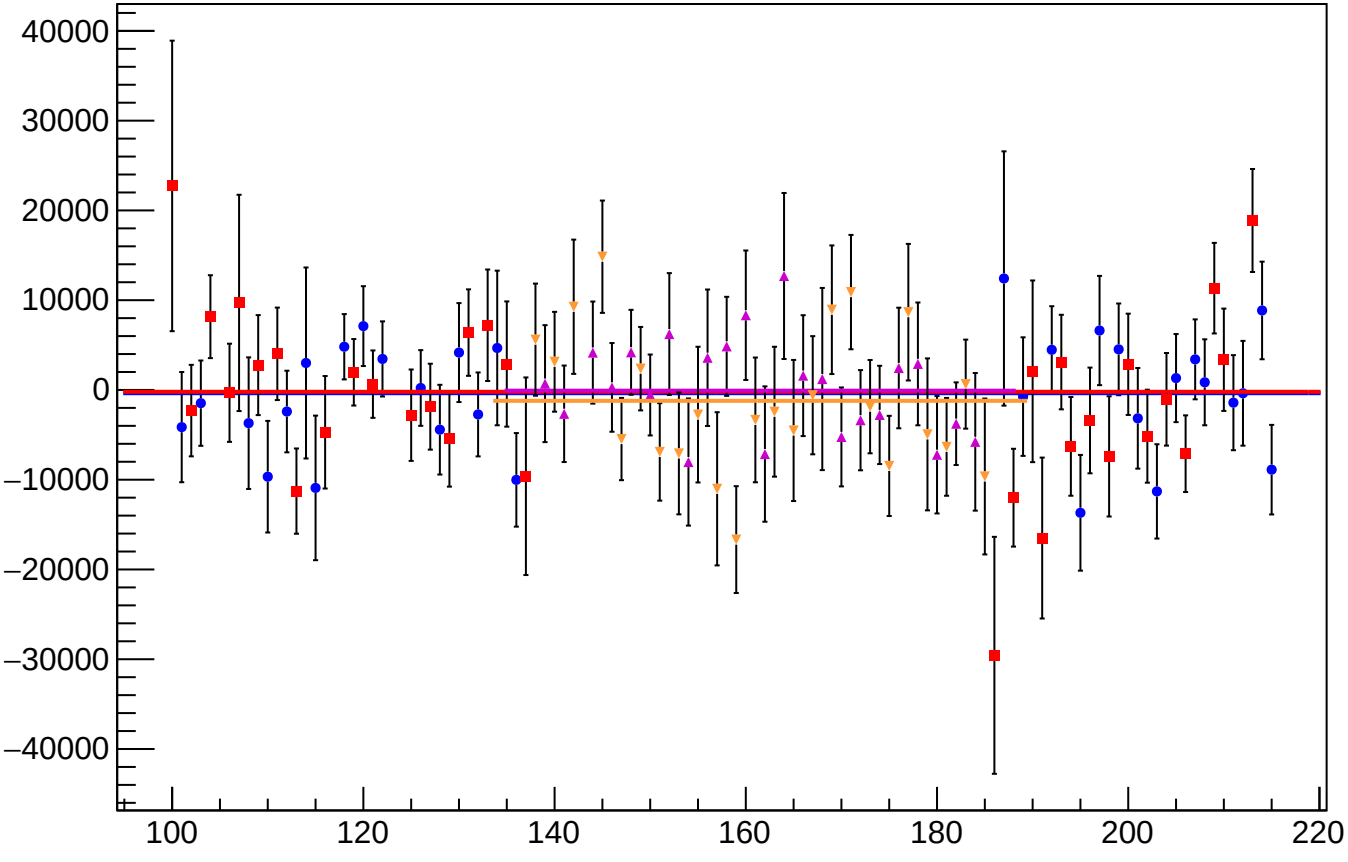
Right: 1422.878+/-0.163 χ^2/NDF: 291754.2/63

In: 1469.276+/-0.170 χ^2/NDF:431575.0/53

Out: 1466.424+/-0.170 χ^2/NDF:484092.0/56

All: 1467.852+/-0.120 χ^2/NDF: 915807.6/110

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -361.963+/-954.013 χ^2/NDF: 35.6/30

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -204.397+/-965.849 χ^2/NDF: 55.6/32

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

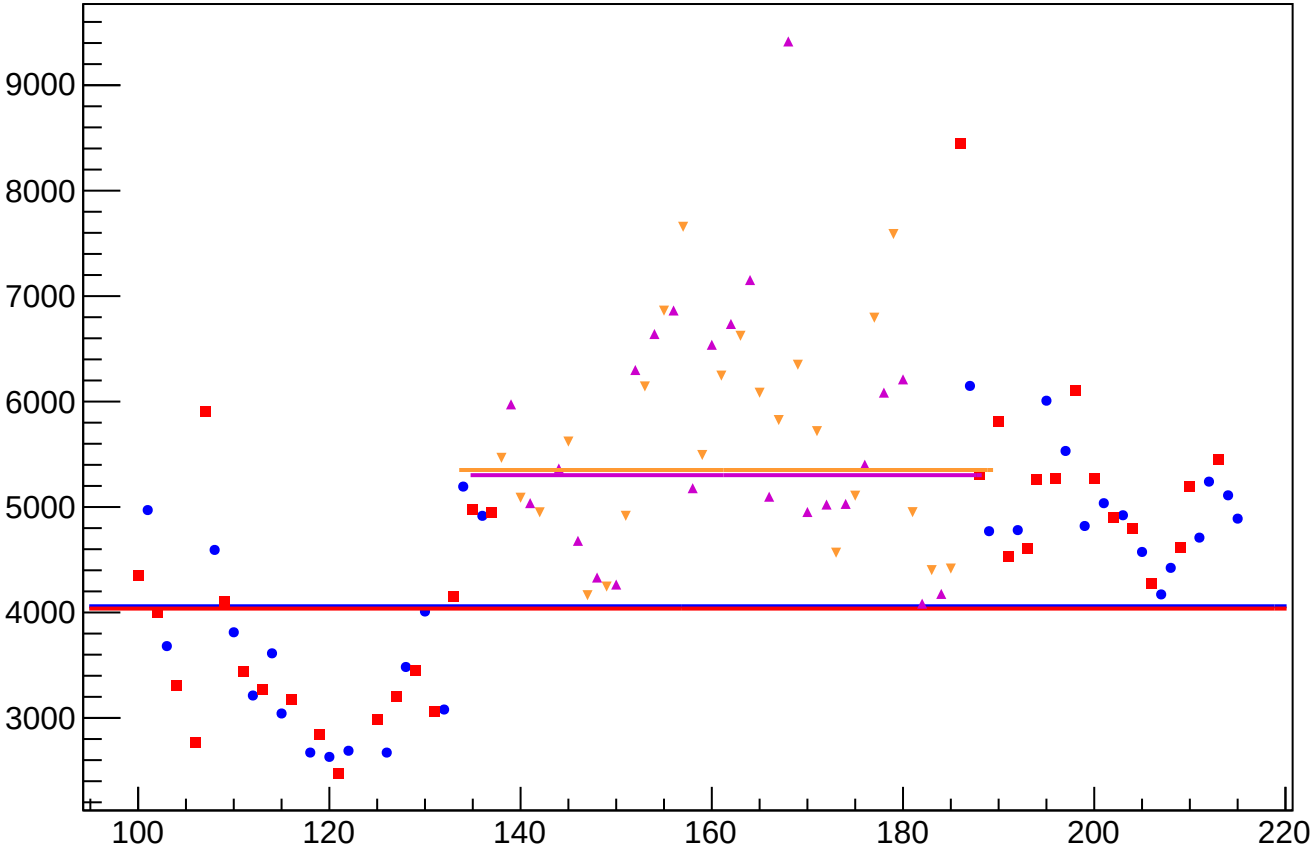
Right: -284.152+/-678.735 χ^2/NDF: 91.2/63

In: -259.917+/-761.539 χ^2/NDF:48.8/53

Out: -574.201+/-768.409 χ^2/NDF:89.3/56

All: -415.648+/-540.902 χ^2/NDF: 138.1/110

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4058.944+/-0.675 χ^2/NDF: 2154282.0/30

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4037.024+/-0.683 χ^2/NDF: 2412680.5/32

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

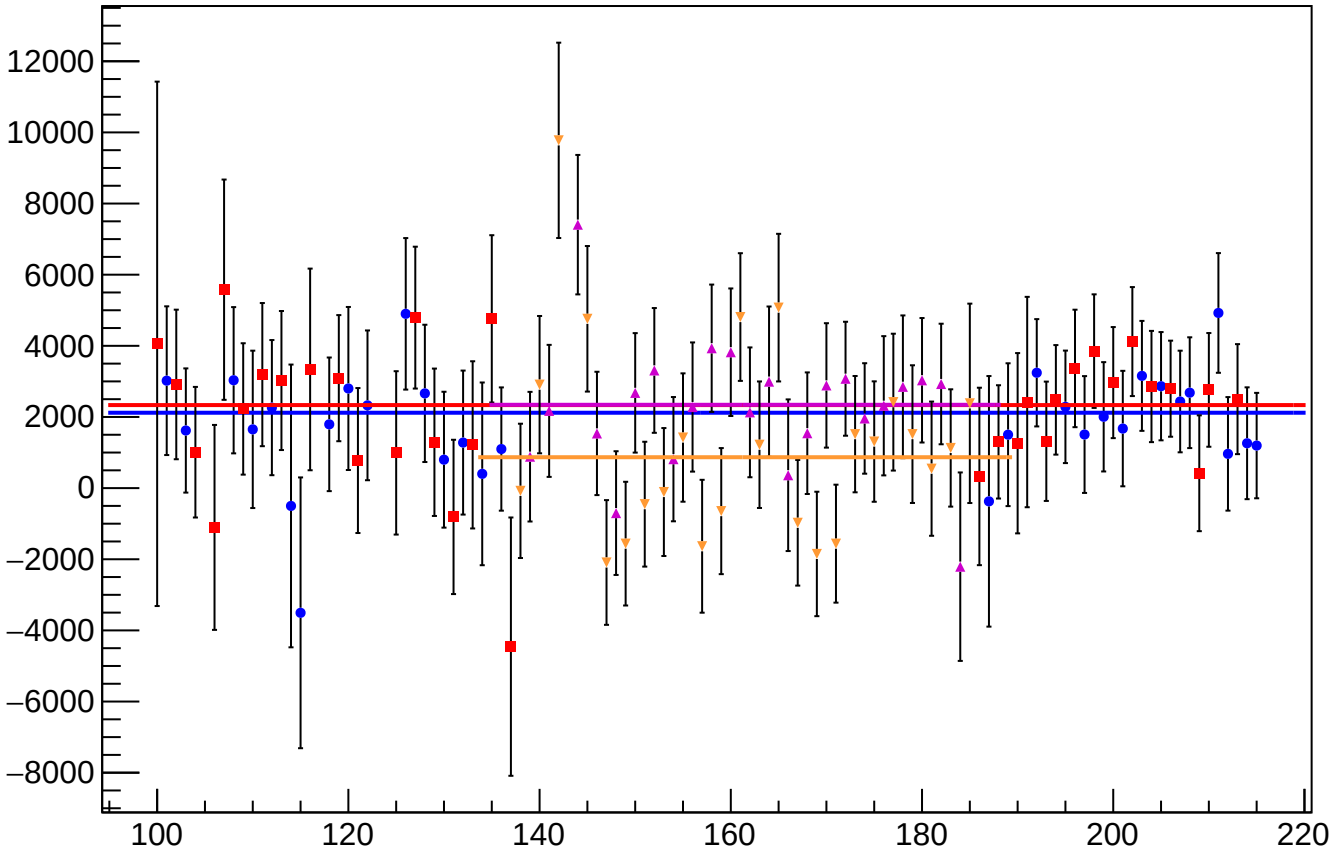
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4048.119+/-0.480 χ^2/NDF: 4567483.9/63

In: 4509.989+/-0.538 χ^2/NDF:4642840.7/53

Out: 4519.373+/-0.543 χ^2/NDF:4837668.7/56

All: 4514.638+/-0.382 χ^2/NDF: 9480659.9/11



Right In: 2118.989+/-327.910 χ^2/NDF: 12.7/30

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2334.493+/-334.856 χ^2/NDF: 19.5/32

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

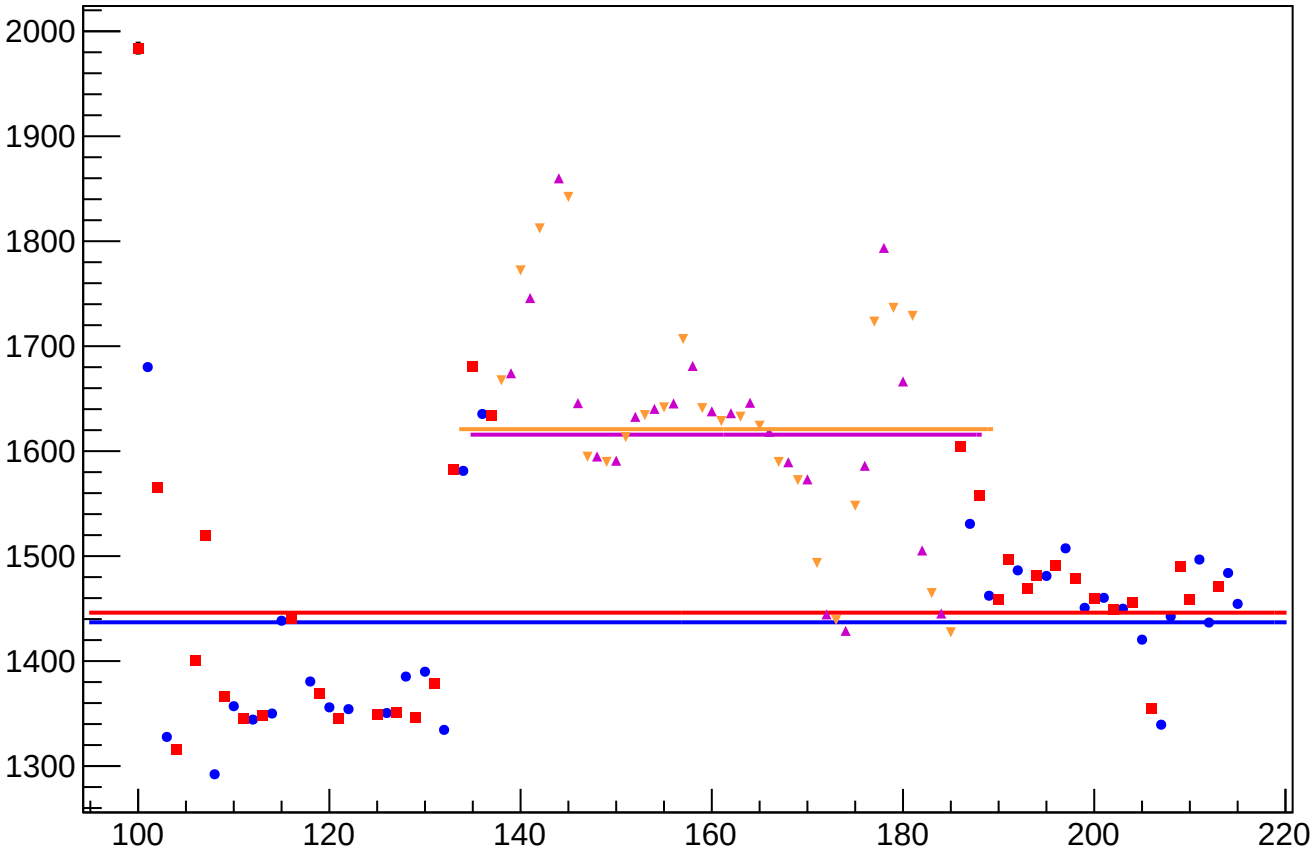
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2224.483+/-234.285 χ^2/NDF: 32.5/63

In: 2214.847+/-247.729 χ^2/NDF:31.0/53

Out: 1688.291+/-250.411 χ^2/NDF:67.7/56

All: 1954.403+/-176.112 χ^2/NDF: 100.9/110



Right In: 1436.950+/-0.232 χ^2/NDF: 128176.6/30

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1446.118+/-0.237 χ^2/NDF: 131862.2/32

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

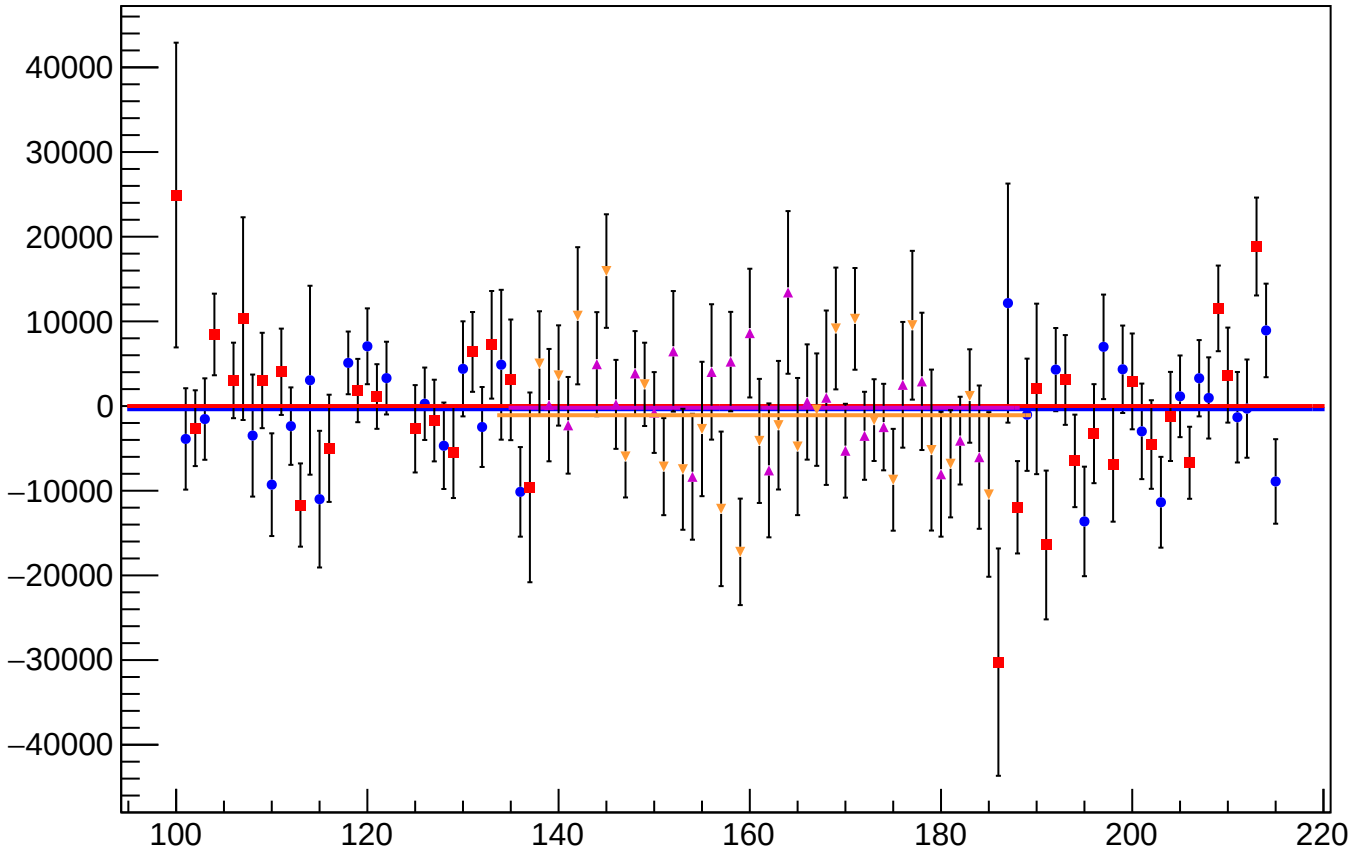
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1441.443+/-0.166 χ^2/NDF: 260805.1/63

In: 1513.680+/-0.175 χ^2/NDF:520436.9/53

Out: 1523.084+/-0.177 χ^2/NDF:514368.2/56

All: 1518.334+/-0.124 χ^2/NDF: 1036231.4/11



Right In: -375.194+/-962.134 χ^2/NDF: 35.0/30

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 2.106+/-960.447 χ^2/NDF: 55.8/32

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

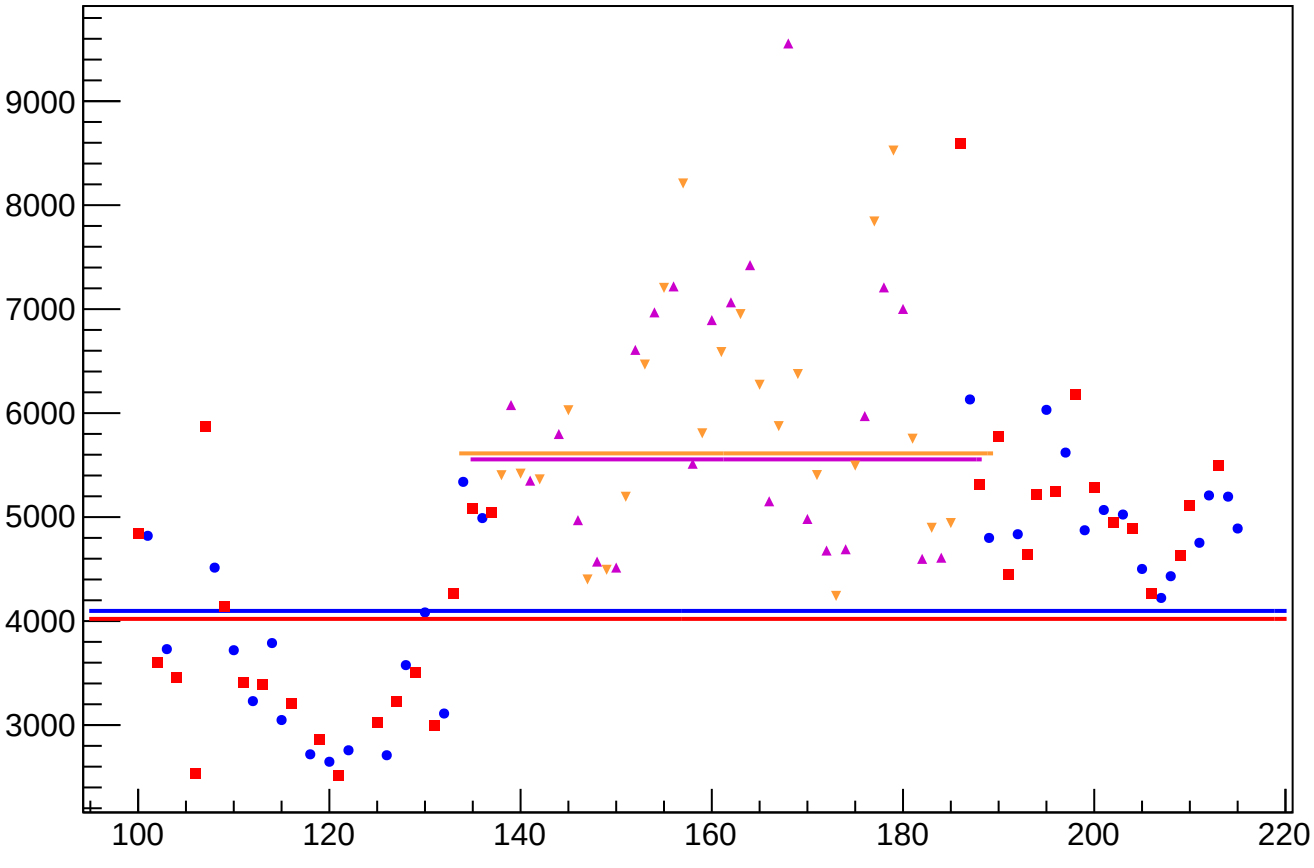
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -186.213+/-679.734 χ^2/NDF: 91.0/63

In: -315.353+/-778.770 χ^2/NDF:47.9/53

Out: -368.667+/-779.126 χ^2/NDF:89.2/56

All: -341.998+/-550.799 χ^2/NDF: 137.2/110



Right In: 4097.755+/-0.680 χ^2/NDF: 2091338.3/30

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 4020.986+/-0.679 χ^2/NDF: 2503559.5/32

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

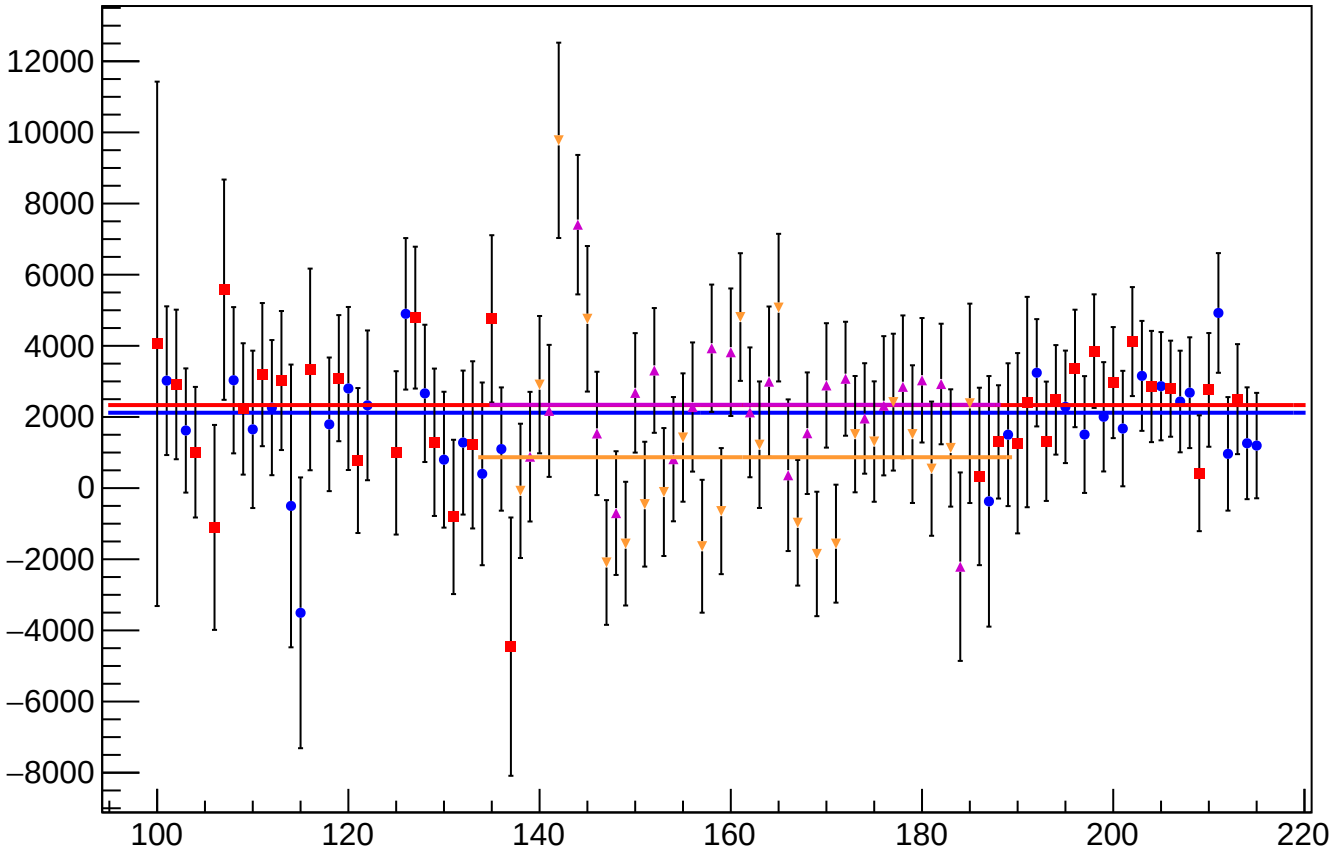
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 4059.303+/-0.481 χ^2/NDF: 4601275.4/63

In: 4600.247+/-0.551 χ^2/NDF:5006277.5/53

Out: 4565.260+/-0.551 χ^2/NDF:5570015.1/56

All: 4582.761+/-0.389 χ^2/NDF: 10578309.9/1



Right In: 2118.990+/-327.910 χ^2/NDF: 12.7/30

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2334.490+/-334.856 χ^2/NDF: 19.5/32

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

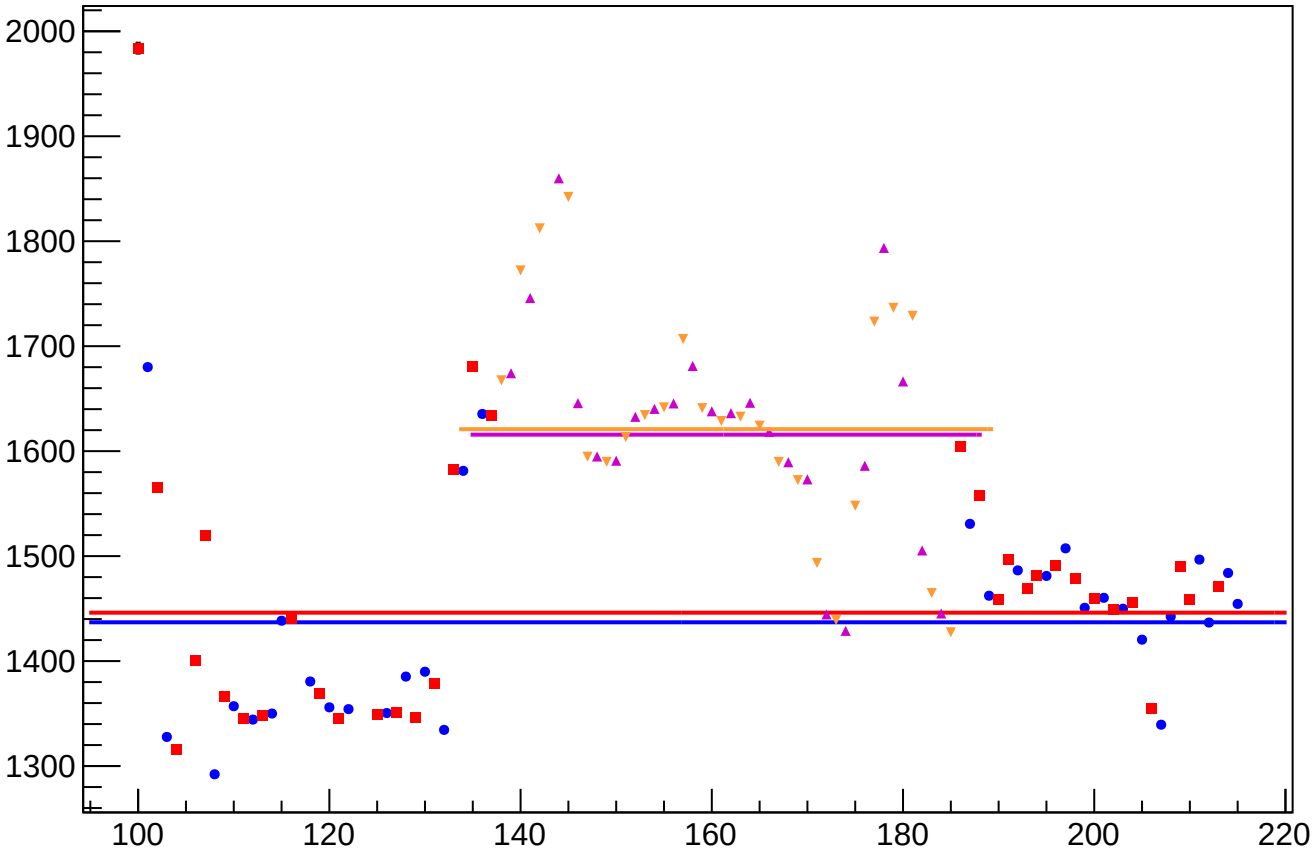
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2224.482+/-234.285 χ^2/NDF: 32.5/63

In: 2214.847+/-247.729 χ^2/NDF:31.0/53

Out: 1688.287+/-250.411 χ^2/NDF:67.7/56

All: 1954.402+/-176.112 χ^2/NDF: 100.9/110



Right In: 1436.950+/-0.232 χ^2/NDF: 128176.6/30

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1446.118+/-0.237 χ^2/NDF: 131862.5/32

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

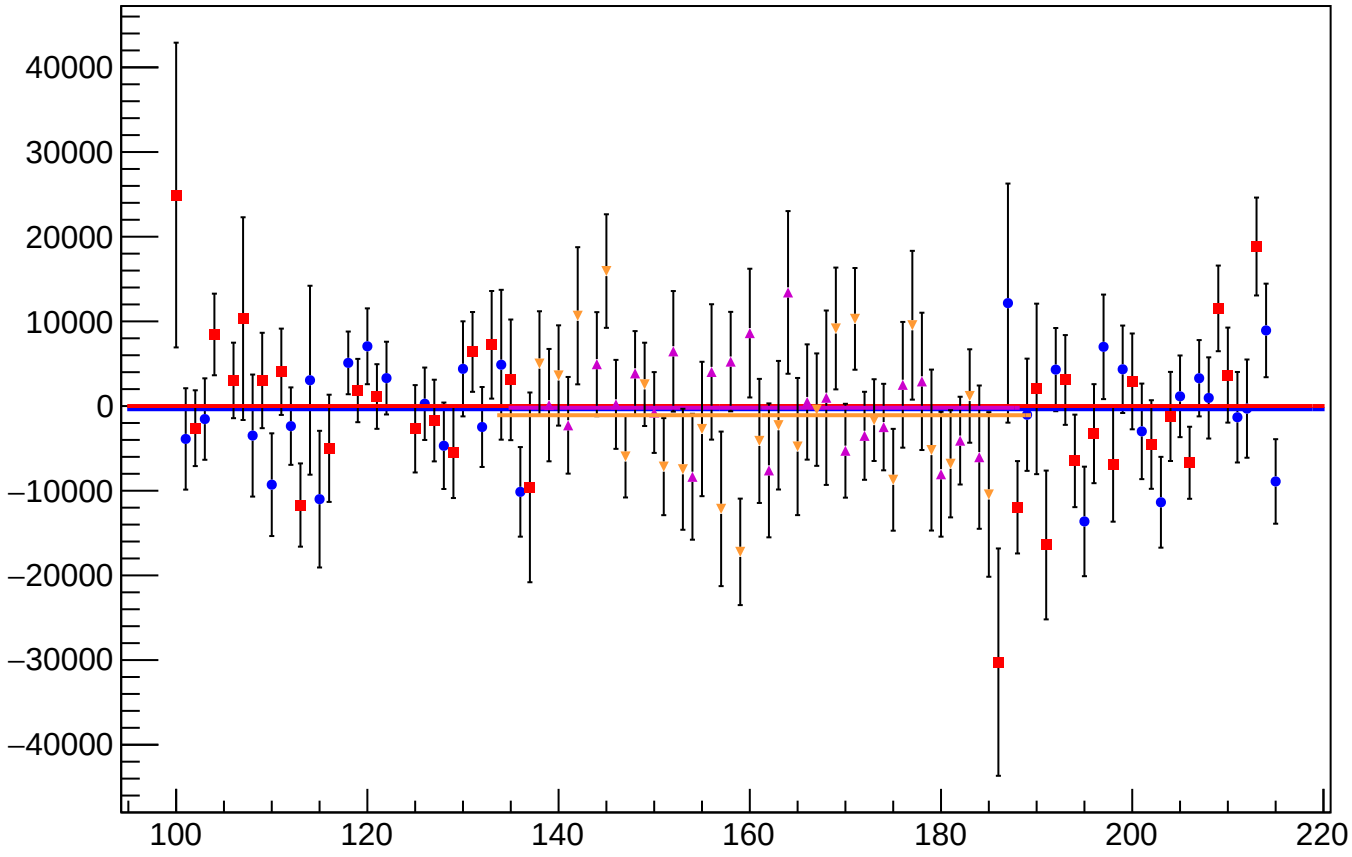
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1441.443+/-0.166 χ^2/NDF: 260805.3/63

In: 1513.681+/-0.175 χ^2/NDF:520444.8/53

Out: 1523.085+/-0.177 χ^2/NDF:514376.7/56

All: 1518.335+/-0.124 χ^2/NDF: 1036247.8/11



Right In: -375.189+/-962.134 χ^2/NDF: 35.0/30

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 2.110+/-960.446 χ^2/NDF: 55.8/32

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

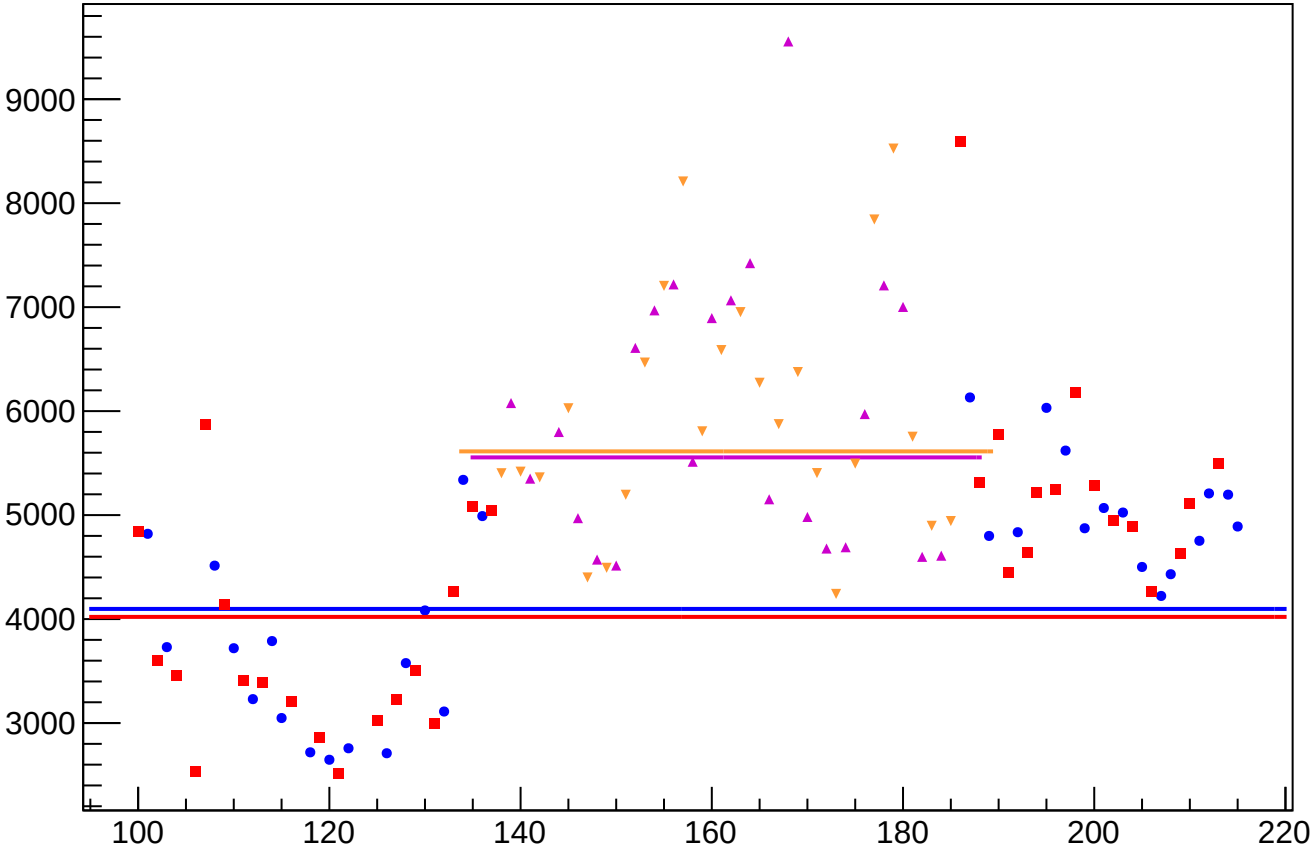
Right: -186.208+/-679.734 χ^2/NDF: 91.0/63

In: -315.350+/-778.770 χ^2/NDF:47.9/53

Out: -368.666+/-779.126 χ^2/NDF:89.2/56

All: -341.996+/-550.799 χ^2/NDF: 137.2/110

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4097.751+/-0.680 χ^2/NDF: 2091381.8/30

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 4020.980+/-0.679 χ^2/NDF: 2503594.3/32

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

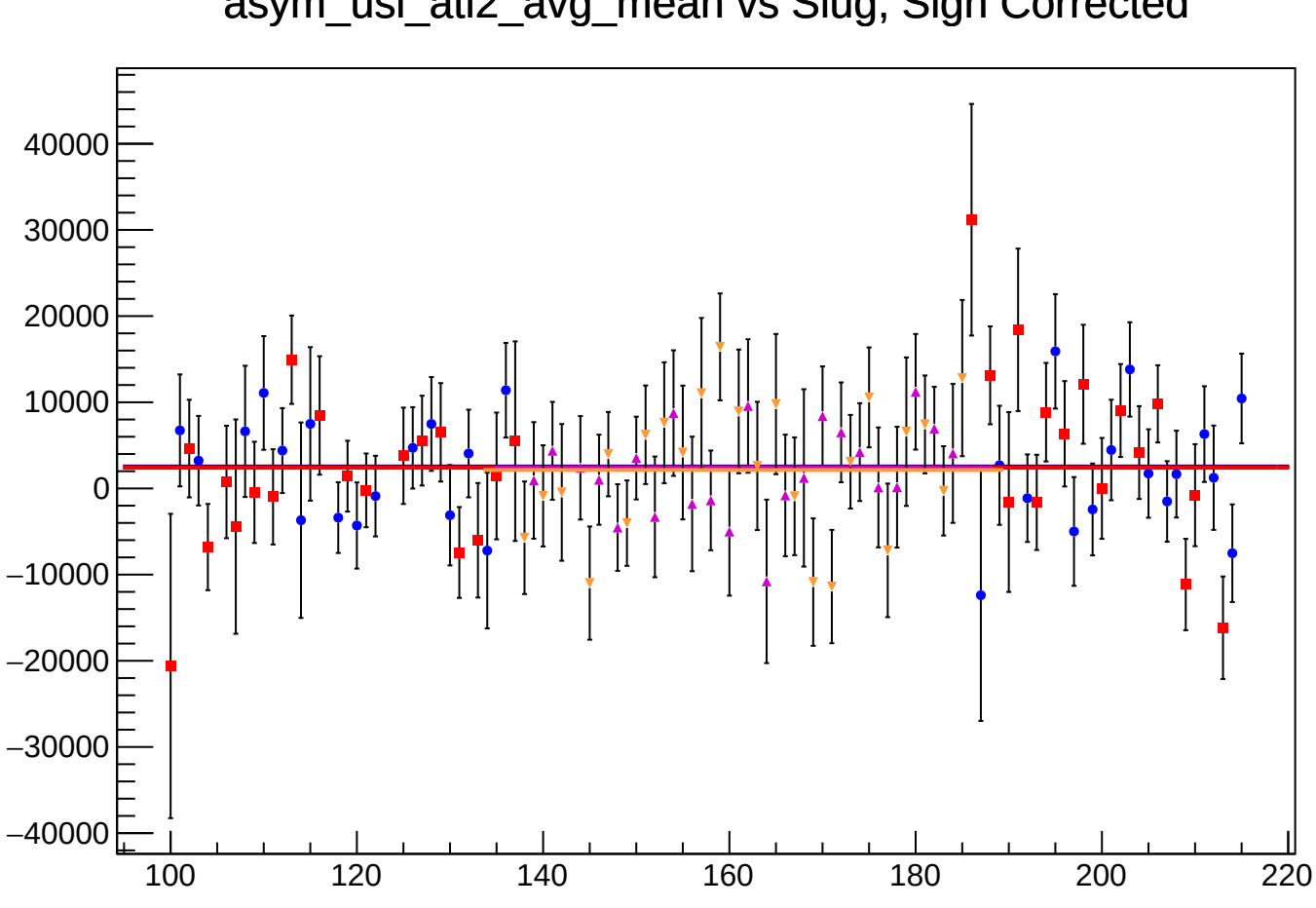
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 4059.298+/-0.481 χ^2/NDF: 4601354.0/63

In: 4600.245+/-0.551 χ^2/NDF:5006347.4/53

Out: 4565.258+/-0.551 χ^2/NDF:5570083.4/56

All: 4582.759+/-0.389 χ^2/NDF: 10578448.2/1



Right In: 2547.007+/-1020.148 χ^2/NDF: 32.5/30

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 2404.052+/-1036.236 χ^2/NDF: 56.0/32

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

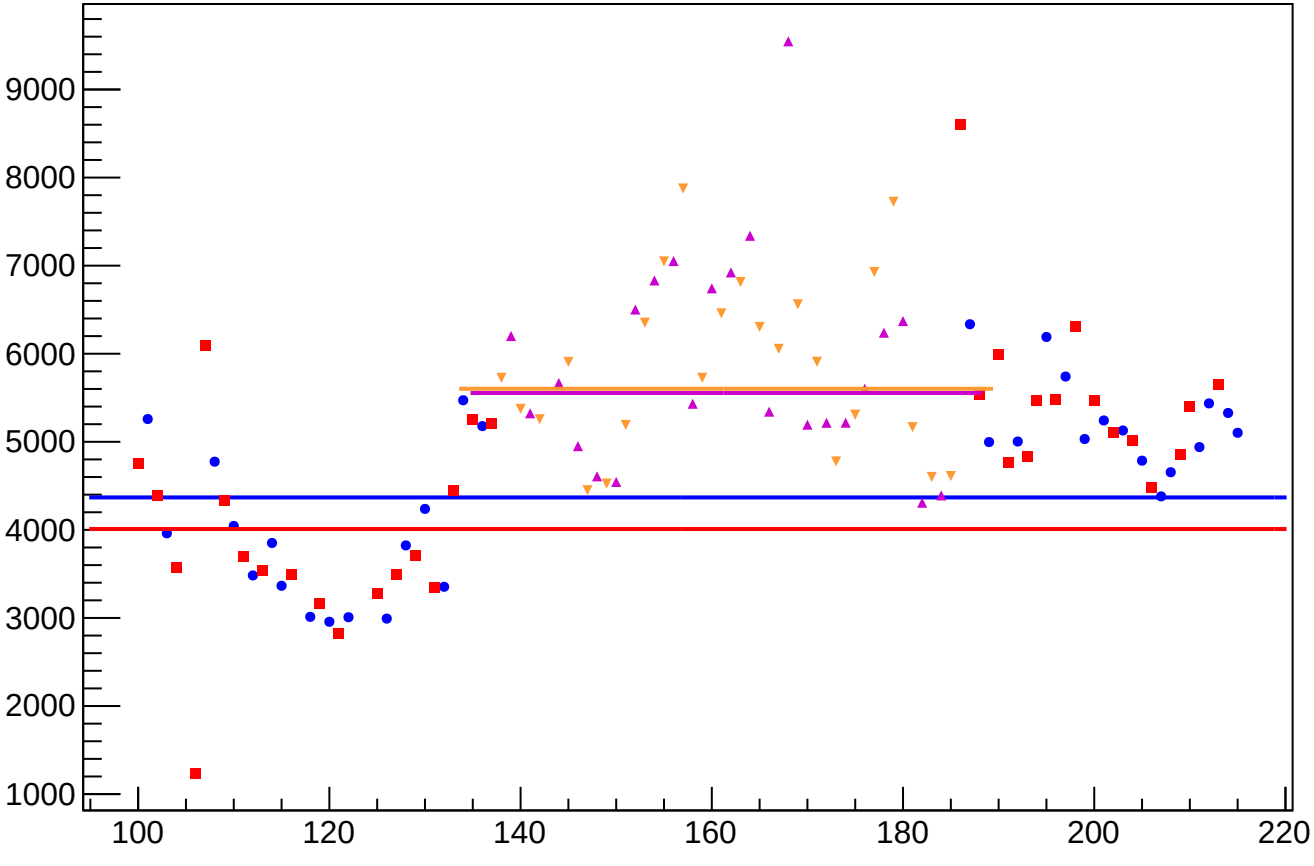
Right: 2476.648+/-726.975 χ^2/NDF: 88.5/63

In: 2502.573+/-807.431 χ^2/NDF:45.4/53

Out: 2303.078+/-816.113 χ^2/NDF:86.7/56

All: 2403.892+/-573.985 χ^2/NDF: 132.1/110

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4368.453+/-0.721 χ^2/NDF: 1689077.1/30

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 4009.704+/-0.696 χ^2/NDF: 4038406.8/32

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

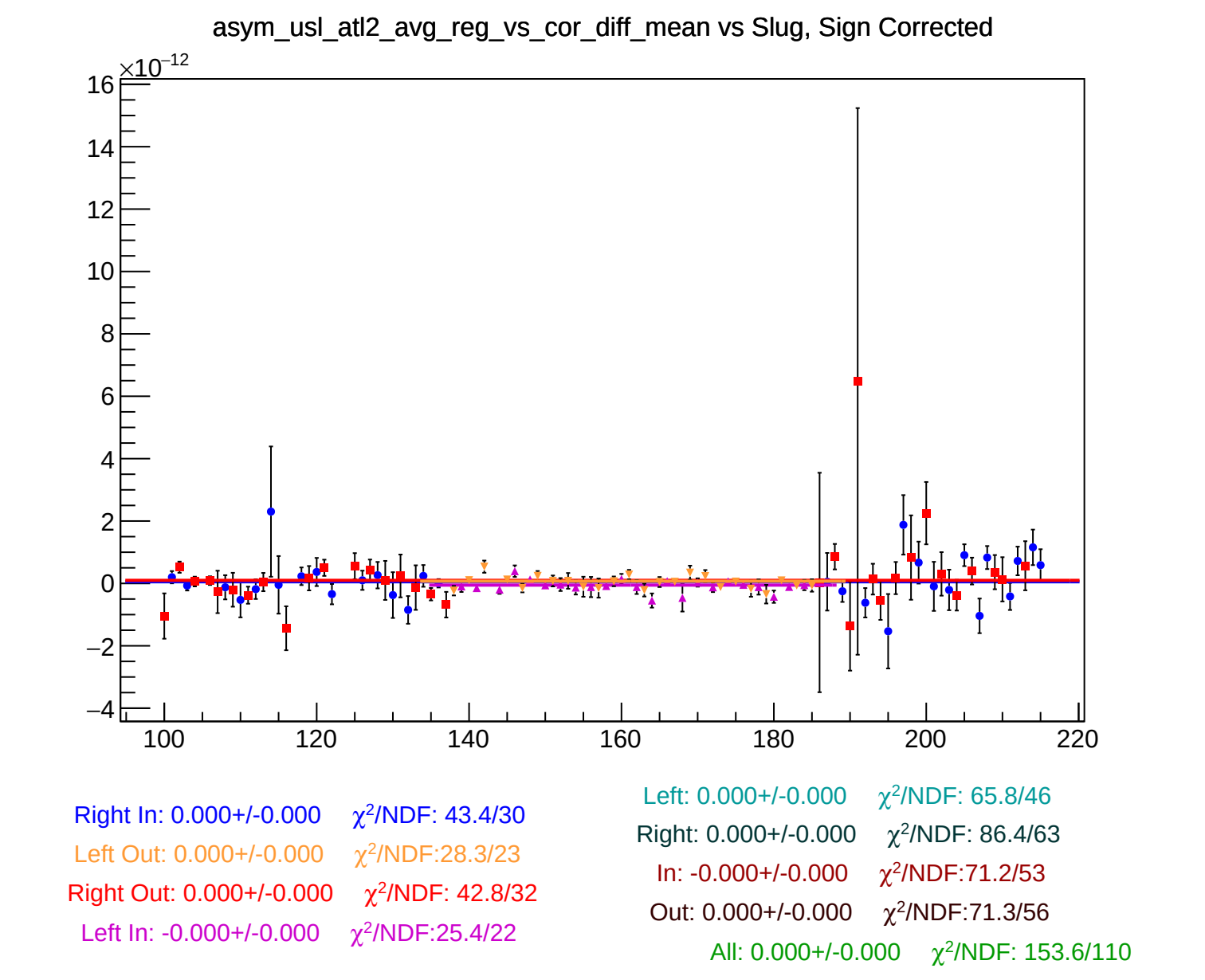
Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

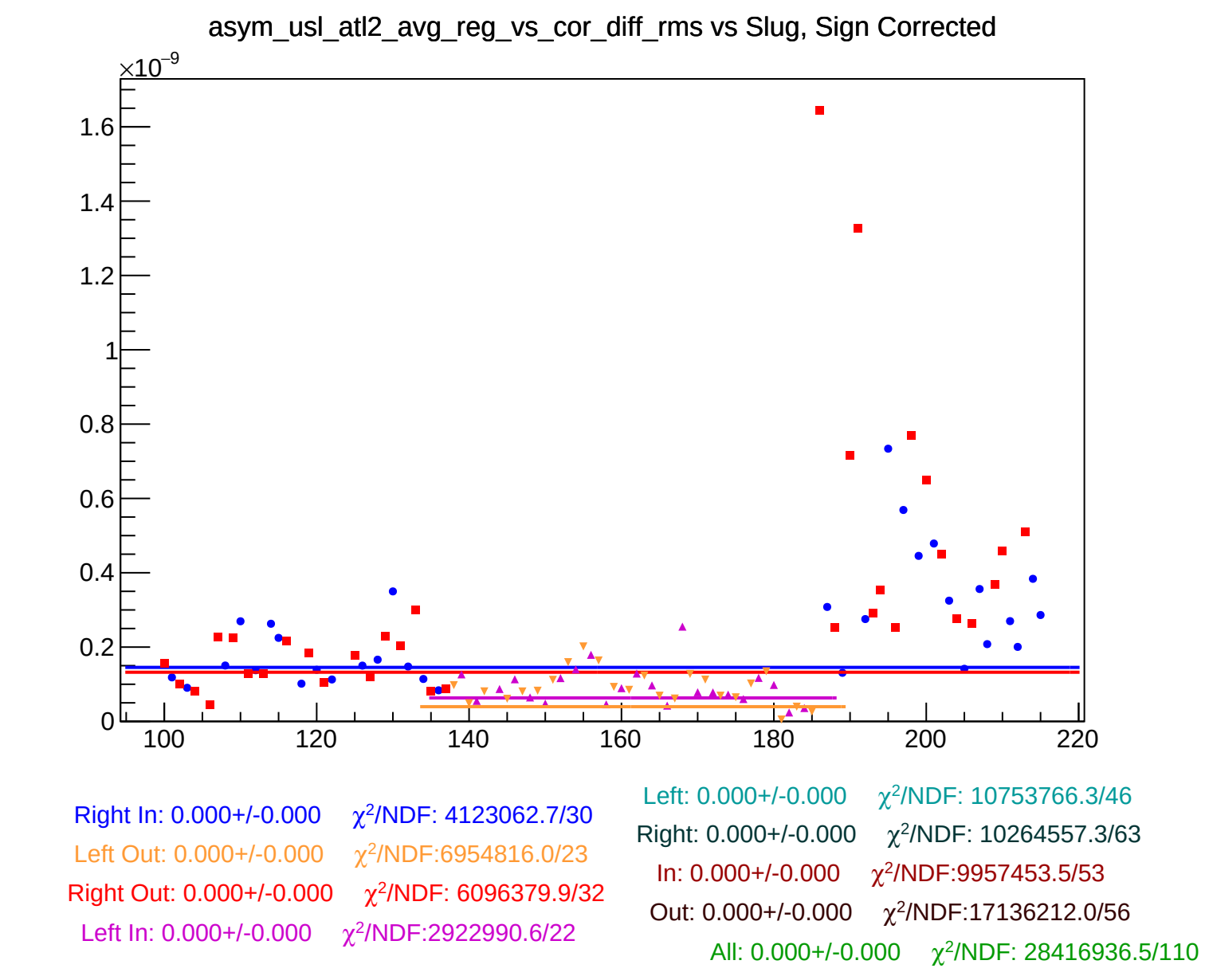
Right: 4182.701+/-0.501 χ^2/NDF: 5855547.9/63

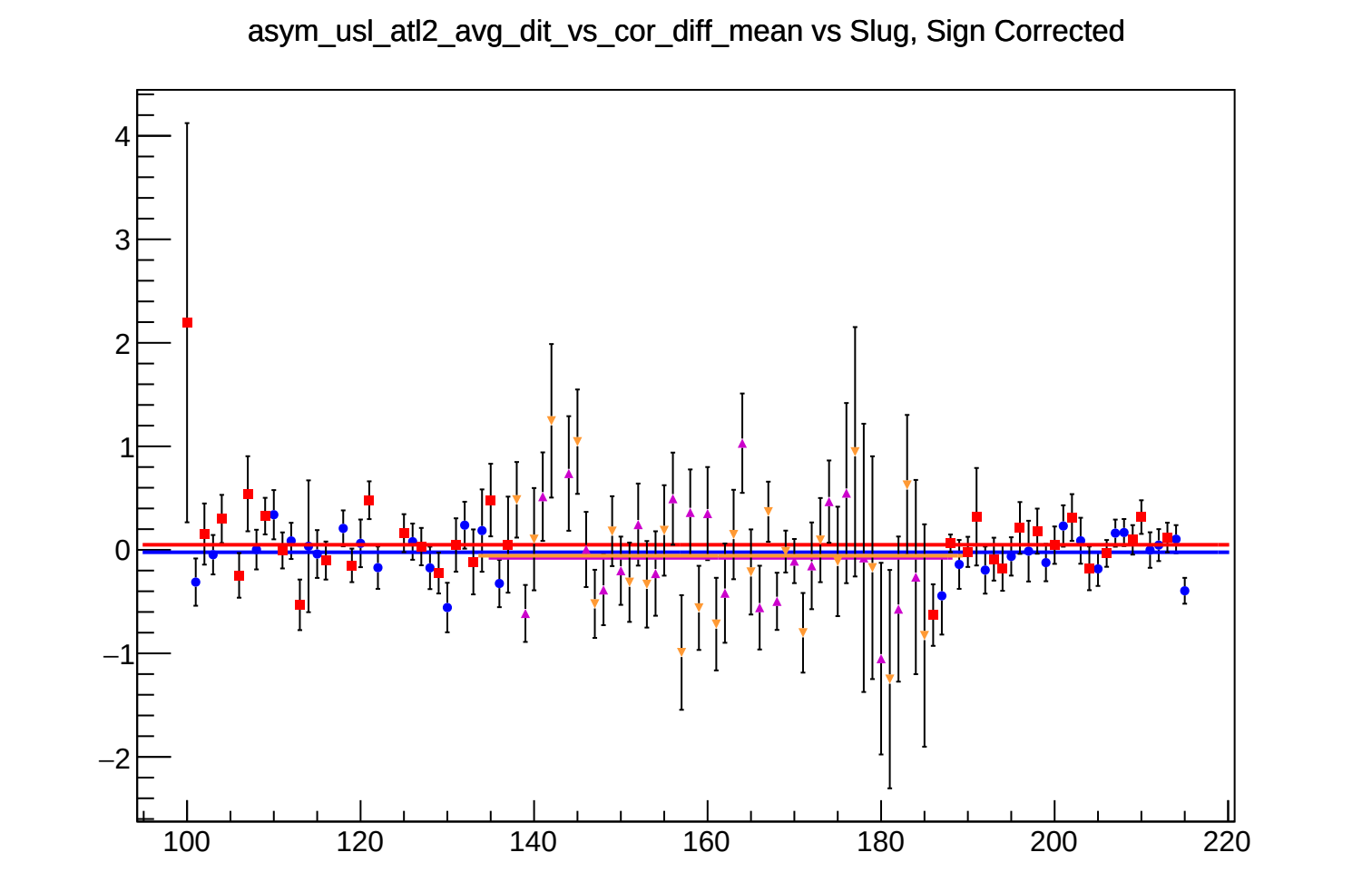
In: 4811.337+/-0.571 χ^2/NDF:3810354.3/53

Out: 4576.520+/-0.559 χ^2/NDF:6841529.0/56

All: 4691.383+/-0.399 χ^2/NDF: 10738293.7/1


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
16
14
12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 43.4/30
Left Out: 0.000+/-0.000 χ²/NDF:28.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 42.8/32
Left In: -0.000+/-0.000 χ²/NDF:25.4/22
Left: 0.000+/-0.000 χ²/NDF: 65.8/46
Right: 0.000+/-0.000 χ²/NDF: 86.4/63
In: -0.000+/-0.000 χ²/NDF:71.2/53
Out: 0.000+/-0.000 χ²/NDF:71.3/56
All: 0.000+/-0.000 χ²/NDF: 153.6/110


asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 4123062.7/30
Left Out: 0.000+/-0.000 χ²/NDF:6954816.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 6096379.9/32
Left In: 0.000+/-0.000 χ²/NDF:2922990.6/22
Left: 0.000+/-0.000 χ²/NDF: 10753766.3/46
Right: 0.000+/-0.000 χ²/NDF: 10264557.3/63
In: 0.000+/-0.000 χ²/NDF:9957453.5/53
Out: 0.000+/-0.000 χ²/NDF:17136212.0/56
All: 0.000+/-0.000 χ²/NDF: 28416936.5/110



Right In: -0.023+/-0.034 χ^2/NDF: 35.4/30

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.049+/-0.033 χ^2/NDF: 40.4/32

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

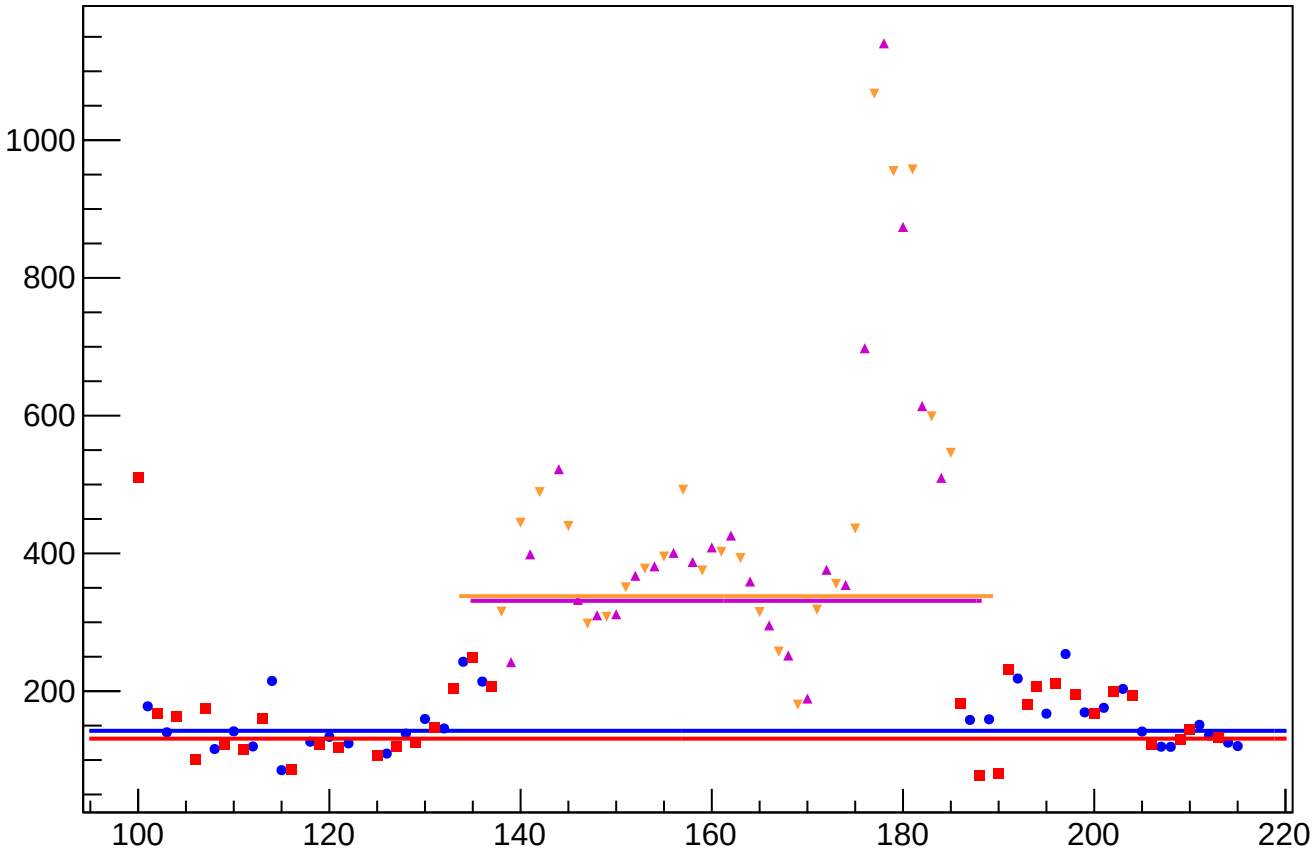
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.014+/-0.024 χ^2/NDF: 78.1/63

In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.003+/-0.022 χ^2/NDF: 137.1/110



Right In: 142.446+/-0.024 χ^2/NDF: 1750755.1/30

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 131.066+/-0.023 χ^2/NDF: 3221398.3/32

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

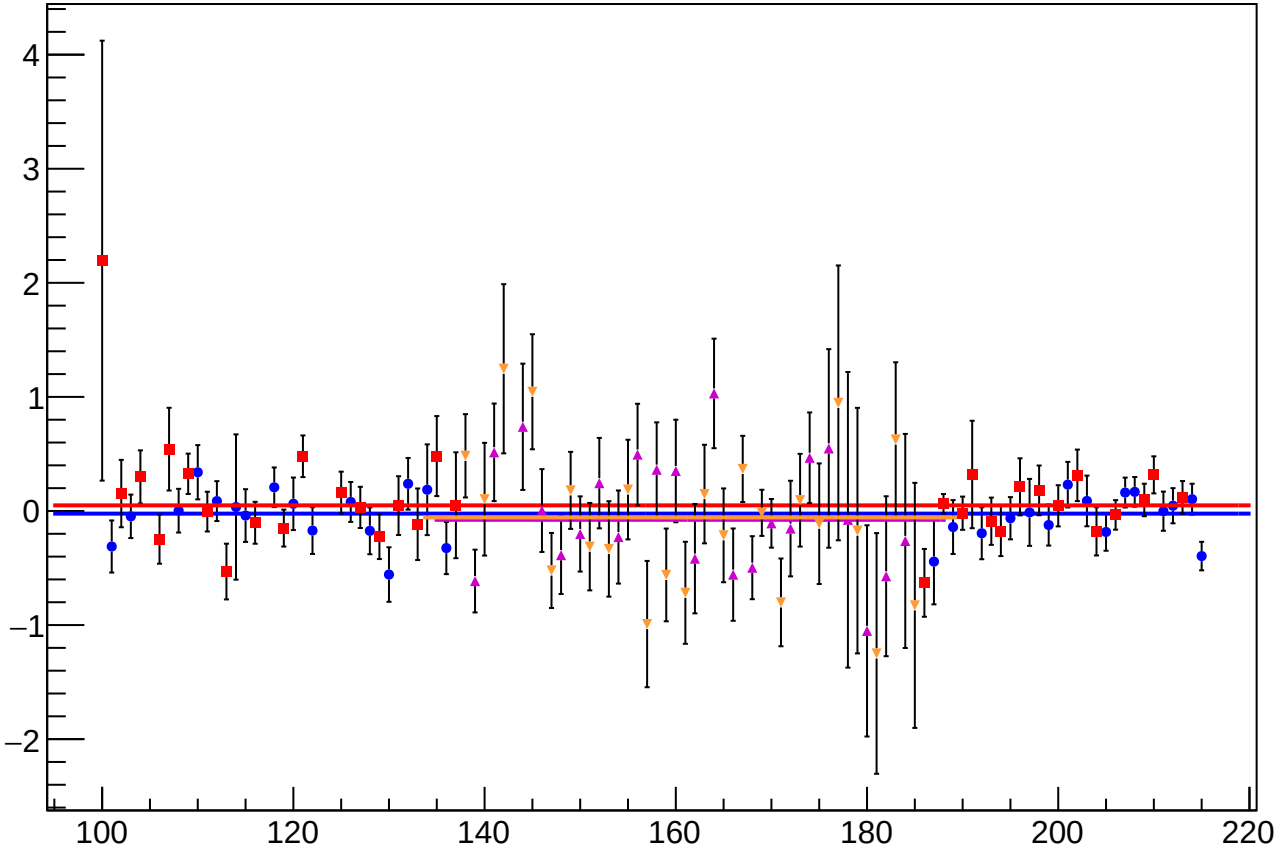
Right: 136.552+/-0.017 χ^2/NDF: 5086184.4/63

In: 169.735+/-0.022 χ^2/NDF:14613986.3/53

Out: 158.039+/-0.022 χ^2/NDF:17929838.7/56

All: 163.726+/-0.016 χ^2/NDF: 32683533.6/1

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.034 χ^2/NDF: 35.4/30

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.049+/-0.033 χ^2/NDF: 40.4/32

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

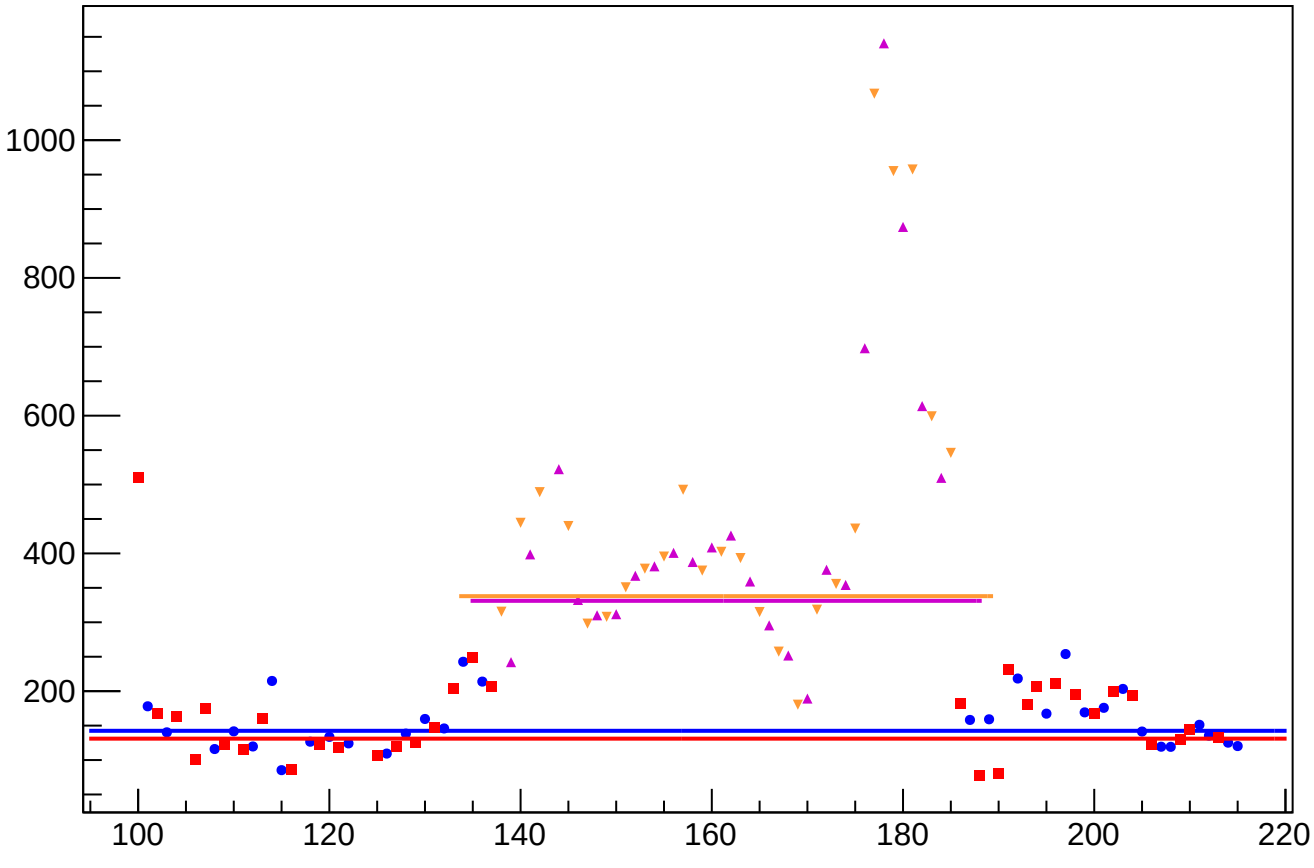
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.014+/-0.024 χ^2/NDF: 78.1/63

In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.003+/-0.022 χ^2/NDF: 137.1/110



Right In: 142.446+/-0.024 χ^2/NDF: 1750755.1/30

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 131.066+/-0.023 χ^2/NDF: 3221398.3/32

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

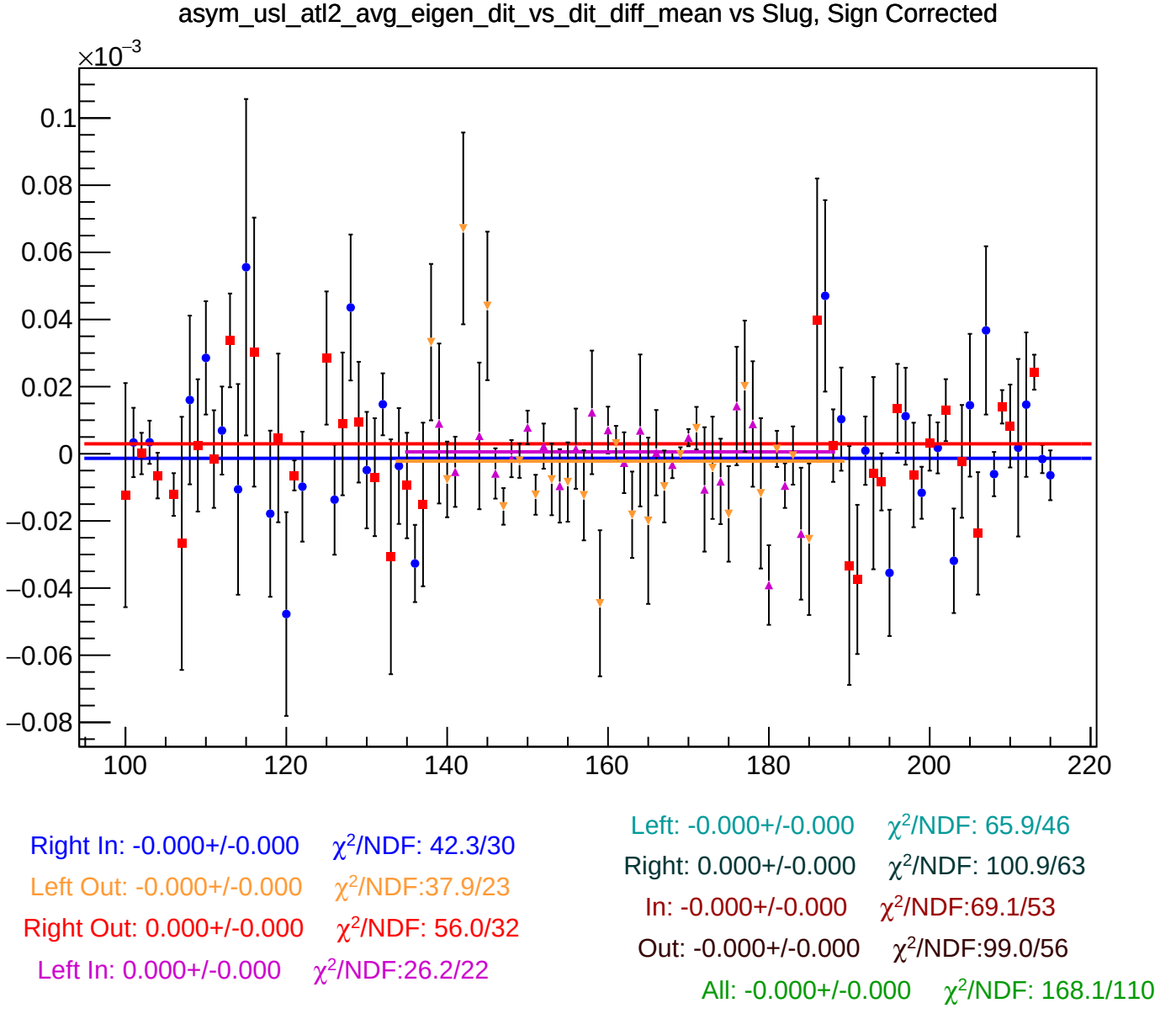
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 136.552+/-0.017 χ^2/NDF: 5086184.4/63

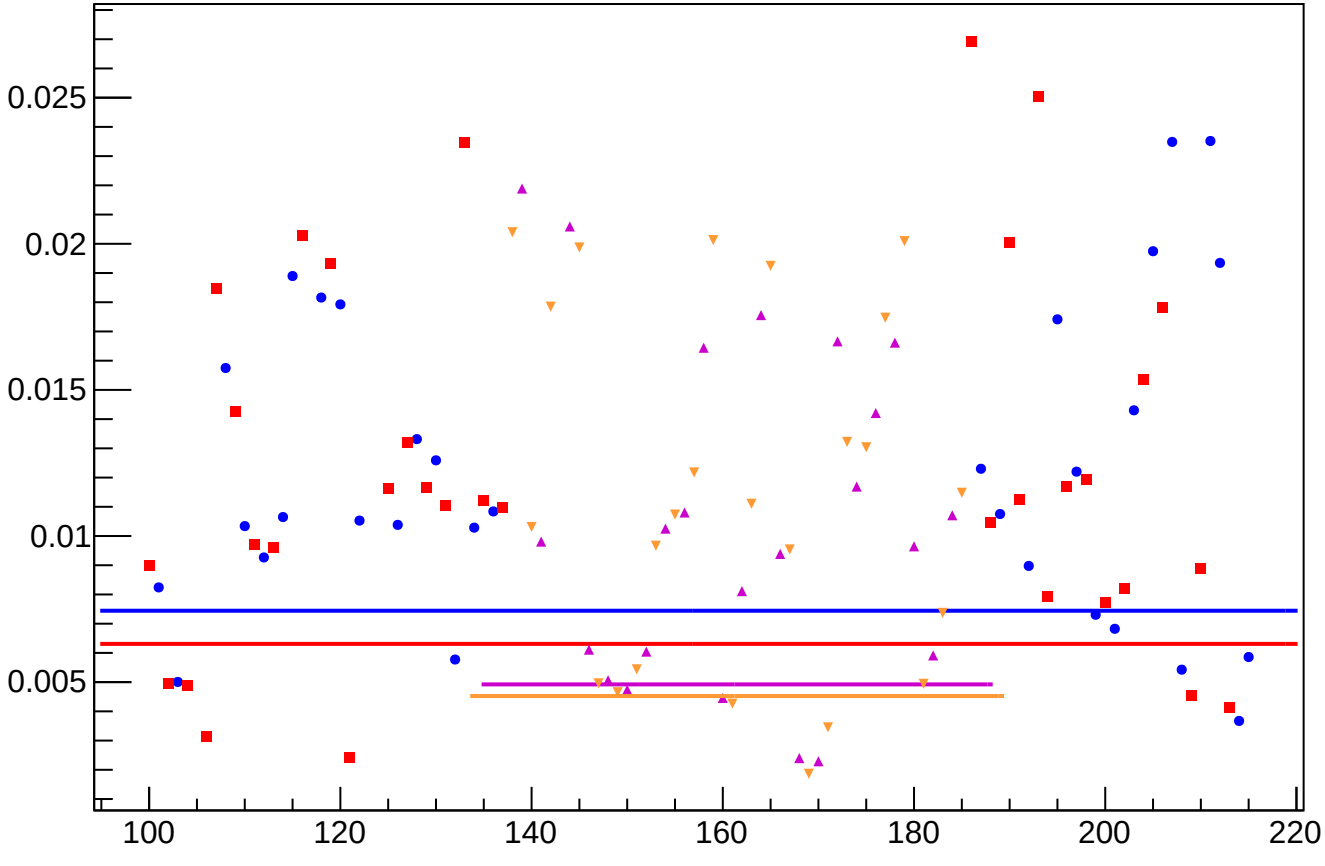
In: 169.735+/-0.022 χ^2/NDF:14613986.3/53

Out: 158.039+/-0.022 χ^2/NDF:17929838.7/56

All: 163.726+/-0.016 χ^2/NDF: 32683533.6/1


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 42.3/30
Left Out: -0.000+/-0.000 χ²/NDF:37.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 56.0/32
Left In: 0.000+/-0.000 χ²/NDF:26.2/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/46
Right: 0.000+/-0.000 χ²/NDF: 100.9/63
In: -0.000+/-0.000 χ²/NDF:69.1/53
Out: -0.000+/-0.000 χ²/NDF:99.0/56
All: -0.000+/-0.000 χ²/NDF: 168.1/110

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 8216117.9/30

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 10061541.9/32

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

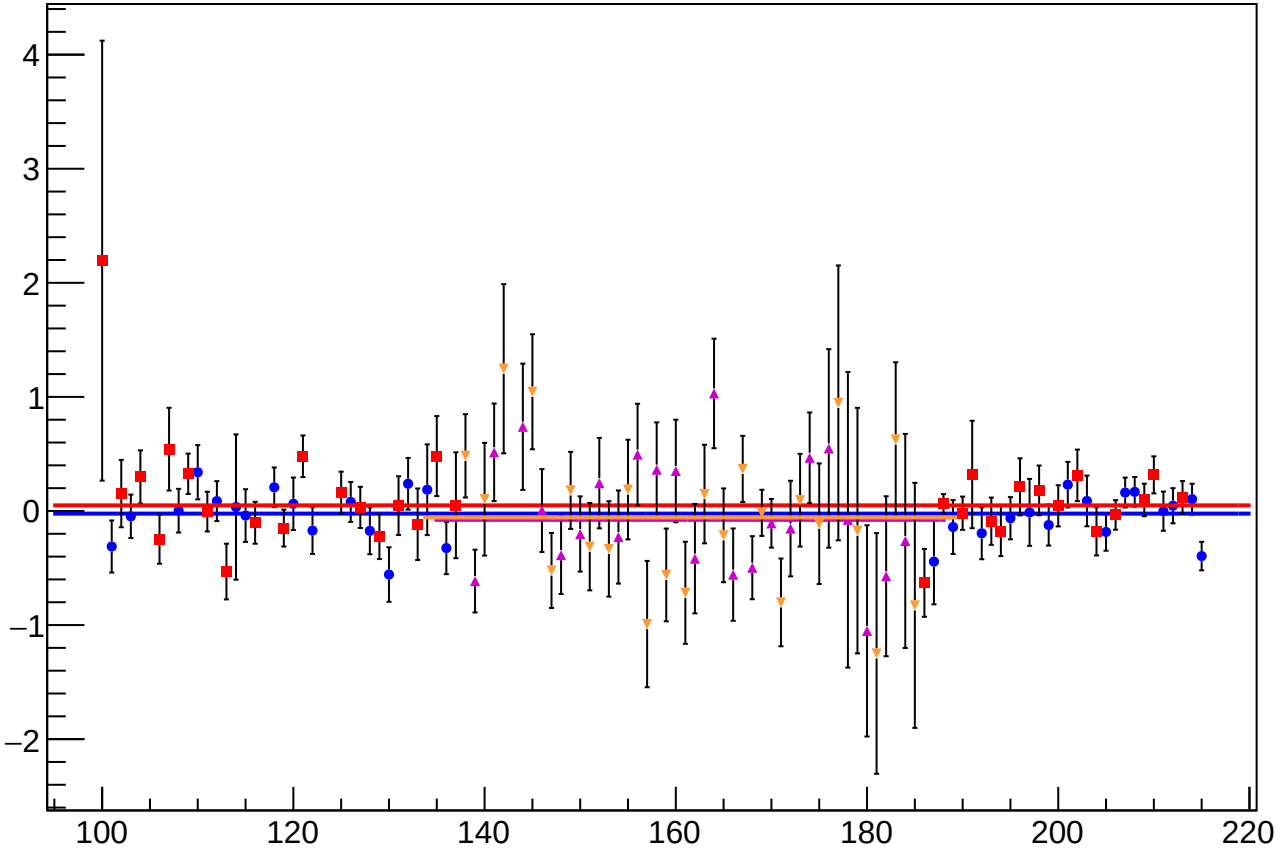
Right: 0.007+/-0.000 χ^2/NDF: 18634160.4/63

In: 0.006+/-0.000 χ^2/NDF:21884602.0/53

Out: 0.005+/-0.000 χ^2/NDF:25529275.2/56

All: 0.005+/-0.000 χ^2/NDF: 47710150.2/110

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.034 χ^2/NDF: 35.4/30

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.049+/-0.033 χ^2/NDF: 40.4/32

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

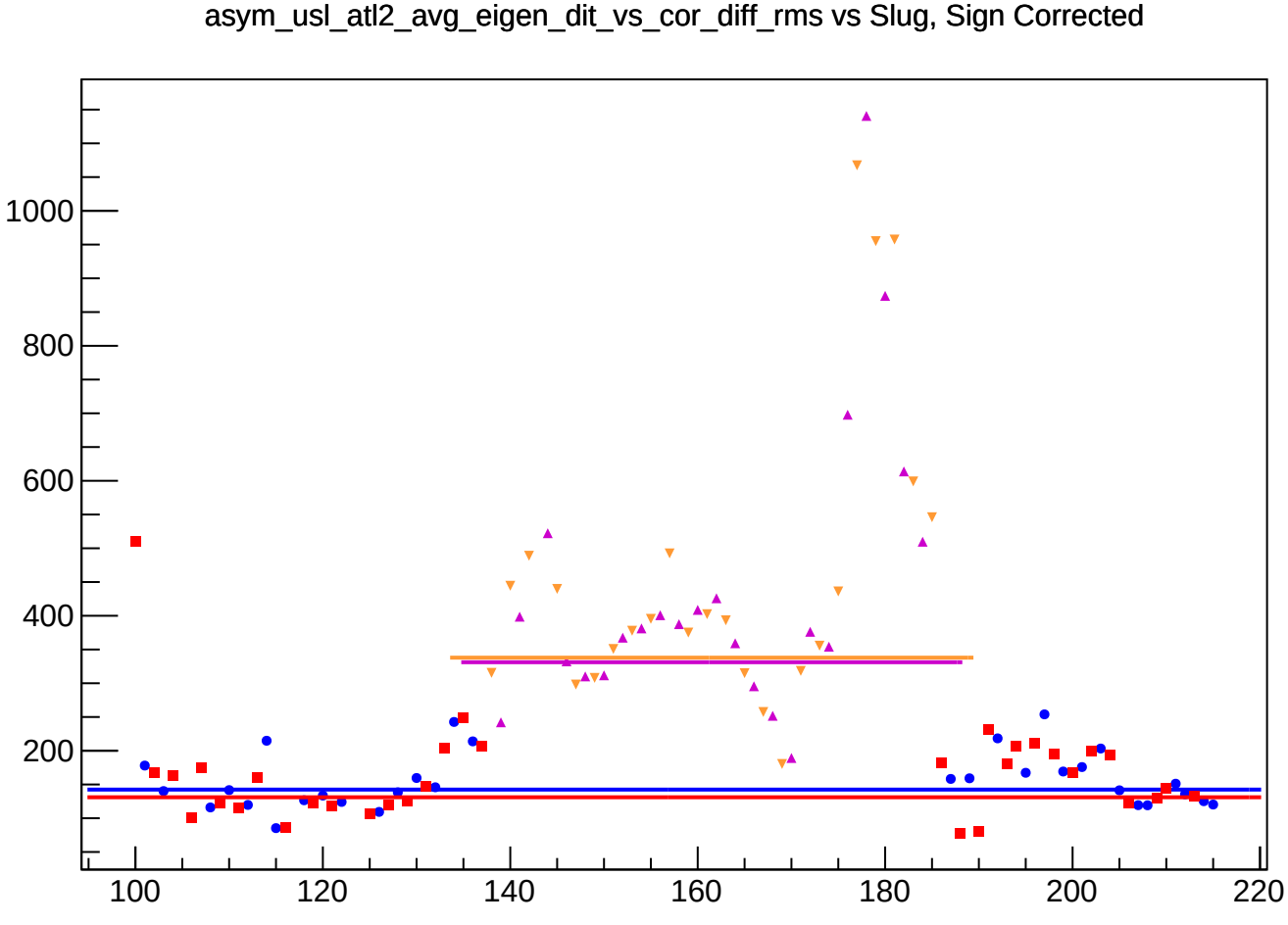
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.014+/-0.024 χ^2/NDF: 78.1/63

In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.003+/-0.022 χ^2/NDF: 137.1/110



Right In: 142.446+/-0.024 χ^2/NDF: 1750761.1/30

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 131.064+/-0.023 χ^2/NDF: 3221561.4/32

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

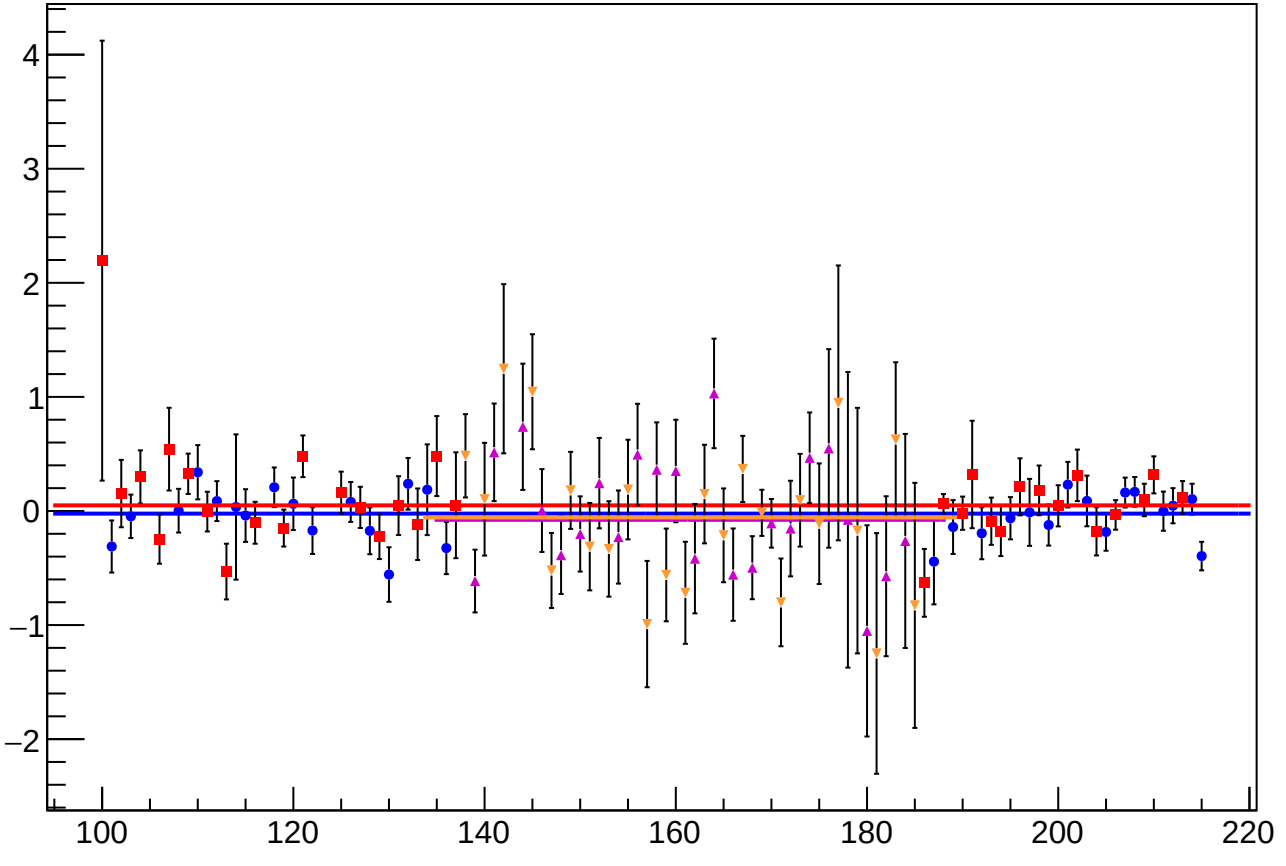
Right: 136.551+/-0.017 χ^2/NDF: 5086386.0/63

In: 169.736+/-0.022 χ^2/NDF:14614120.7/53

Out: 158.037+/-0.022 χ^2/NDF:17930315.2/56

All: 163.725+/-0.016 χ^2/NDF: 32684188.9/11

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.034 χ^2/NDF: 35.4/30

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.049+/-0.033 χ^2/NDF: 40.4/32

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

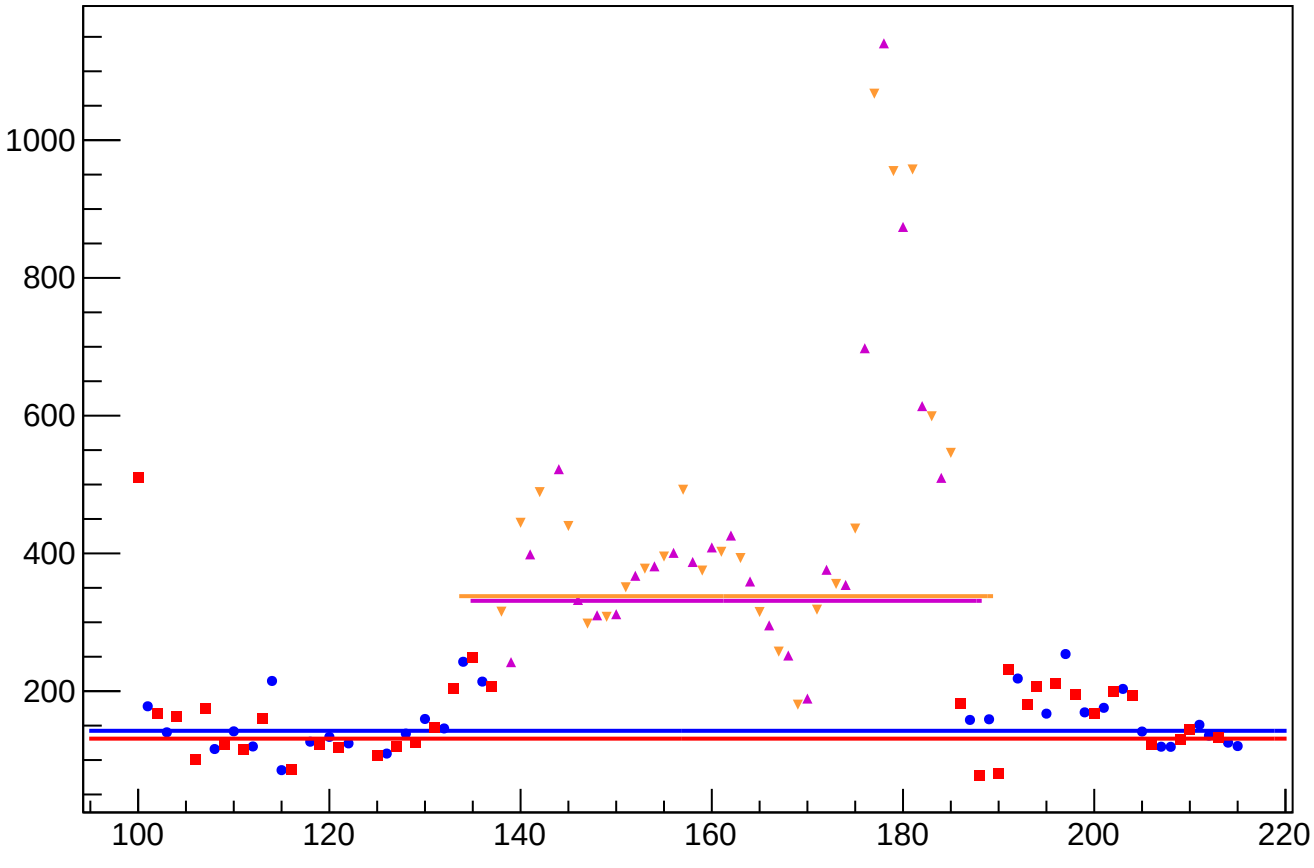
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.014+/-0.024 χ^2/NDF: 78.1/63

In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.035+/-0.031 χ^2/NDF:72.1/56

All: 0.003+/-0.022 χ^2/NDF: 137.1/110



Right In: 142.446+/-0.024 χ^2/NDF: 1750761.1/30

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 131.064+/-0.023 χ^2/NDF: 3221561.4/32

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

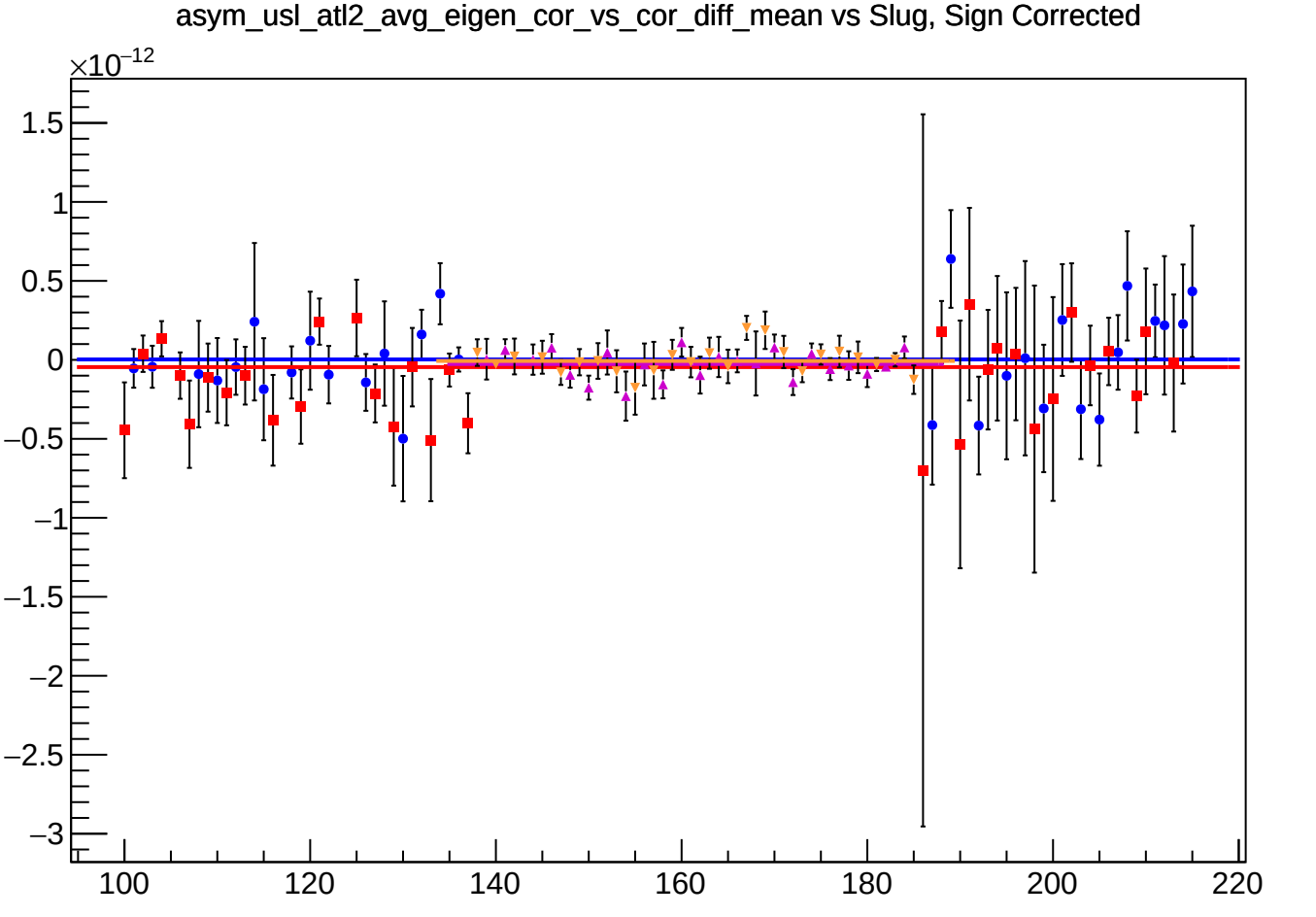
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 136.551+/-0.017 χ^2/NDF: 5086386.0/63

In: 169.736+/-0.022 χ^2/NDF:14614120.7/53

Out: 158.037+/-0.022 χ^2/NDF:17930315.2/56

All: 163.725+/-0.016 χ^2/NDF: 32684188.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/32

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

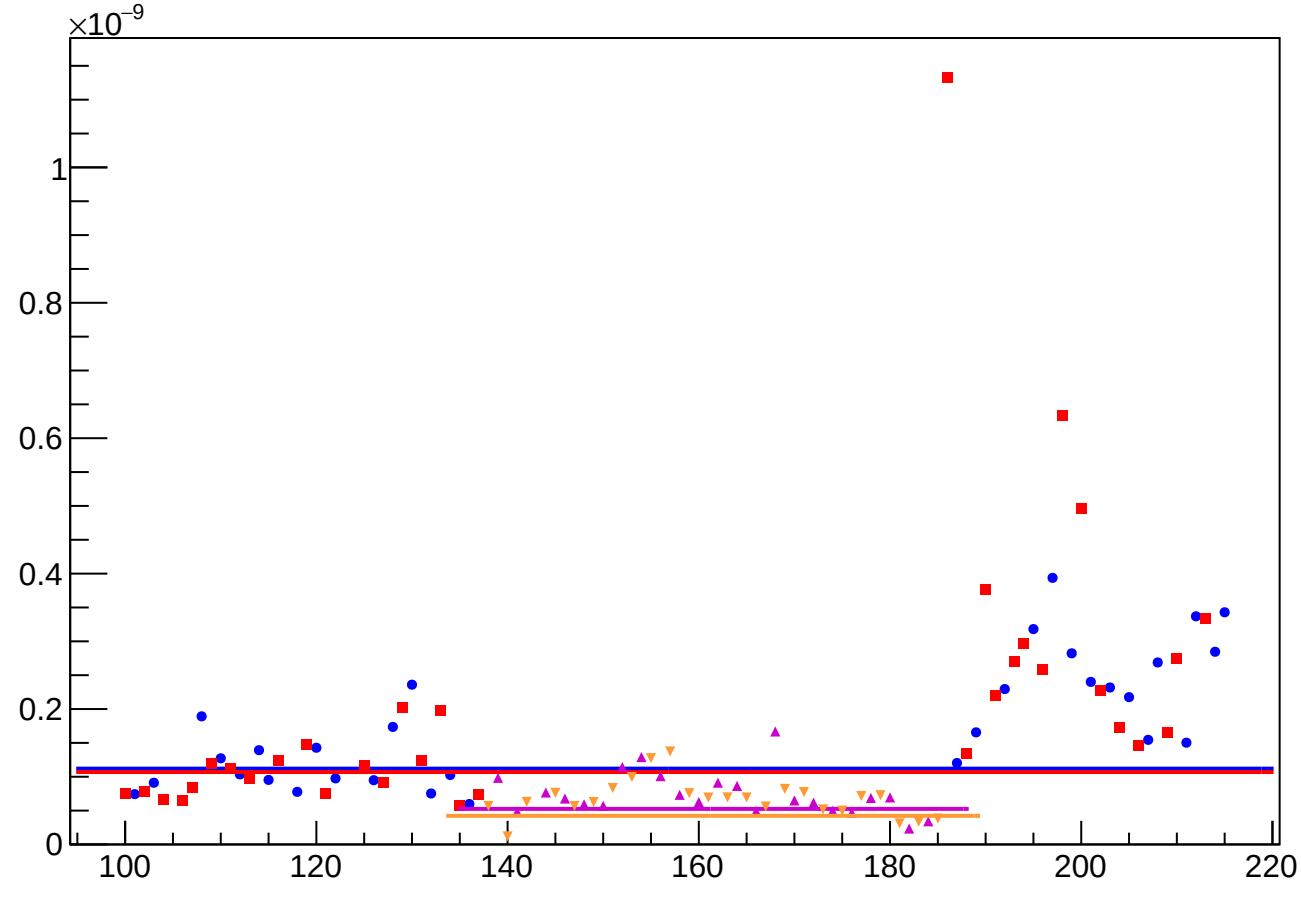
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 53.7/63

In: -0.000+/-0.000 χ^2/NDF:48.9/53

Out: -0.000+/-0.000 χ^2/NDF:46.4/56

All: -0.000+/-0.000 χ^2/NDF: 95.5/110



Right In: 0.000+/-0.000 χ^2/NDF: 6153342.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6195234.5/32

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

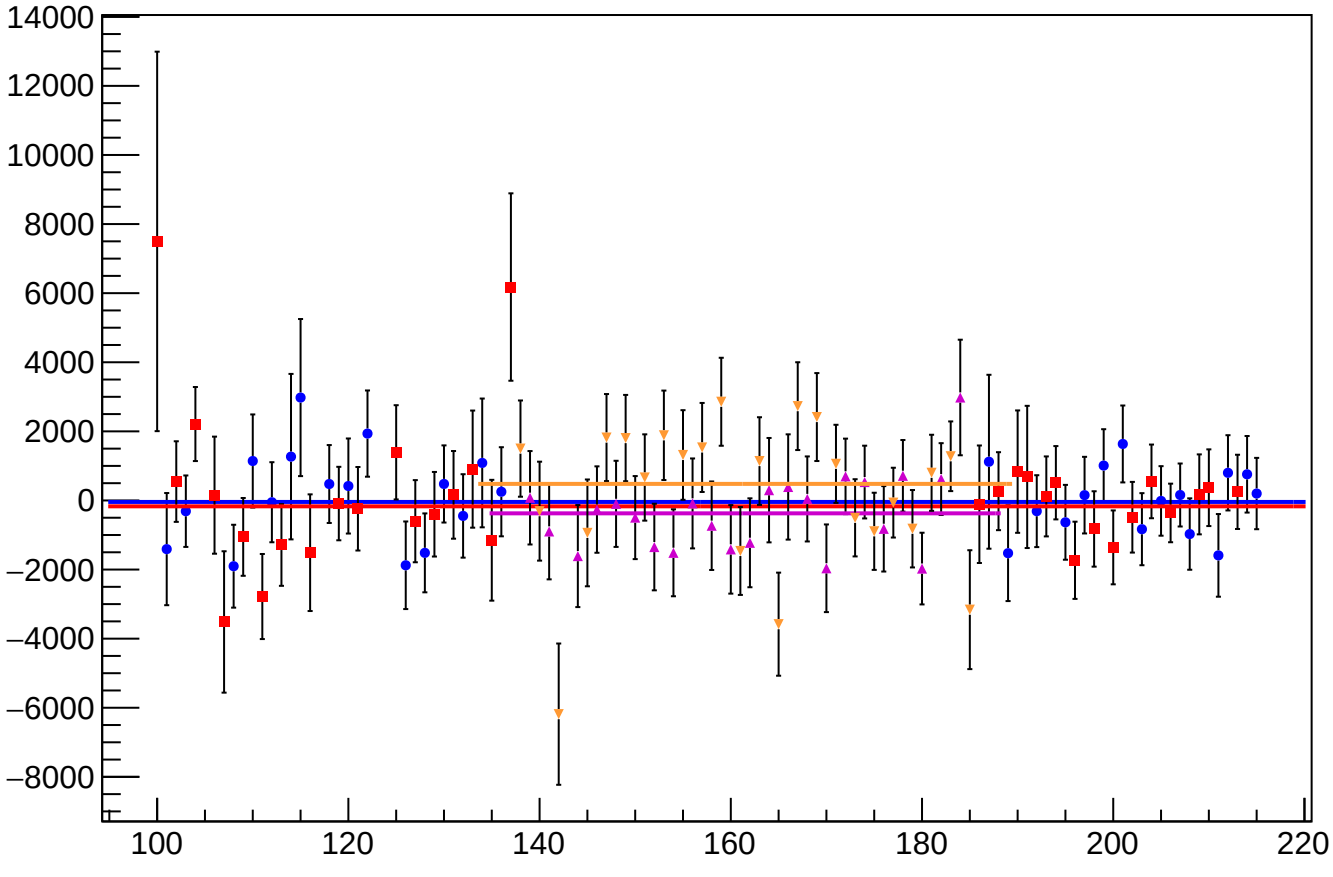
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 12365996.7/63

In: 0.000+/-0.000 χ^2/NDF:15175276.2/53

Out: 0.000+/-0.000 χ^2/NDF:18022384.0/56

All: 0.000+/-0.000 χ^2/NDF: 33811779.9/110



Right In: -42.830+/-214.594 χ^2/NDF: 22.7/30

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -170.094+/-217.483 χ^2/NDF: 30.1/32

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

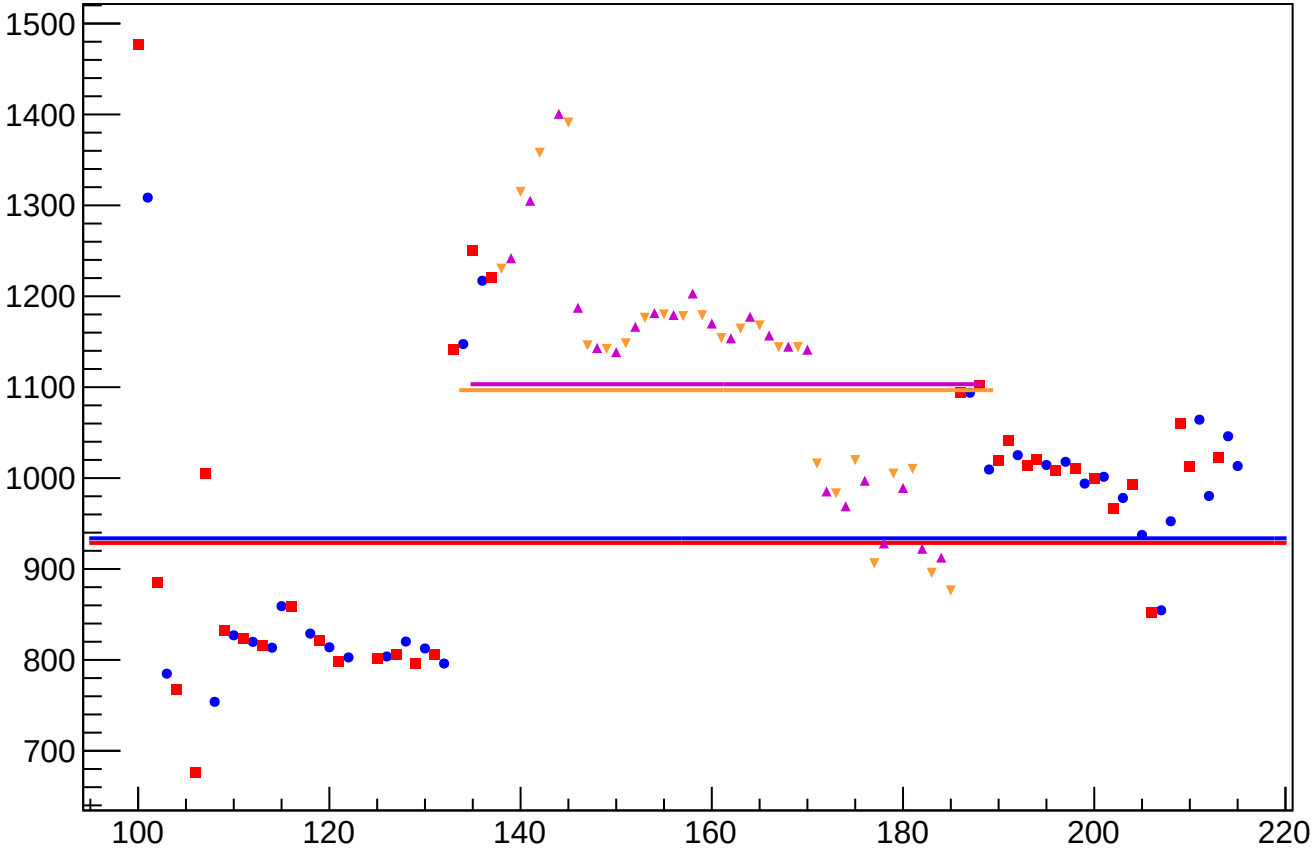
Right: -105.611+/-152.752 χ^2/NDF: 53.0/63

In: -177.003+/-165.325 χ^2/NDF:39.7/53

Out: 101.824+/-165.836 χ^2/NDF:79.0/56

All: -38.020+/-117.083 χ^2/NDF: 120.1/110

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 933.754+/-0.152 χ^2/NDF: 645166.1/30

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 928.697+/-0.153 χ^2/NDF: 656600.9/32

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

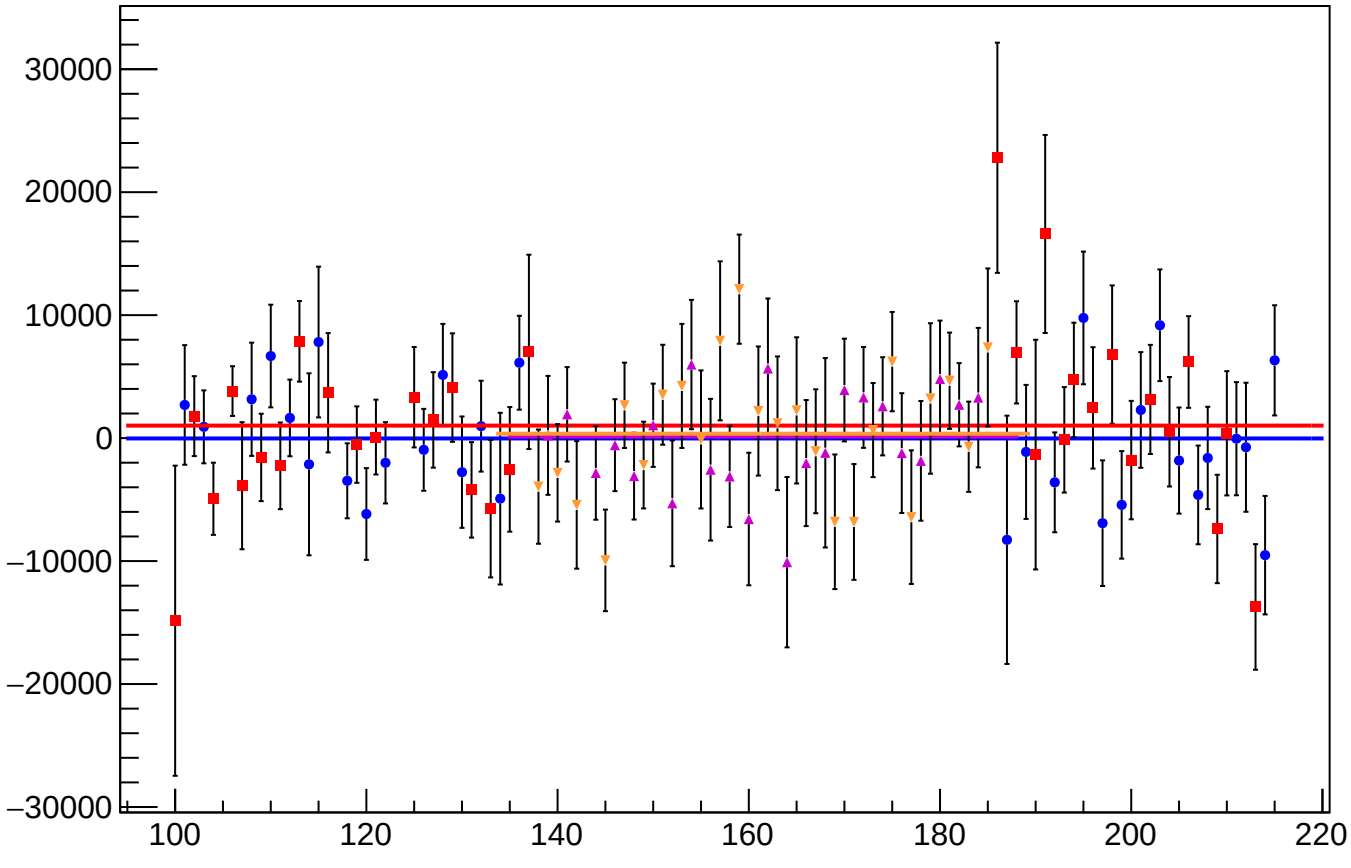
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 931.245+/-0.108 χ^2/NDF: 1302318.1/63

In: 1002.661+/-0.117 χ^2/NDF:1600043.3/53

Out: 998.554+/-0.117 χ^2/NDF:1639092.4/56

All: 1000.607+/-0.083 χ^2/NDF: 3239752.9/11



Right In: -28.573+/-764.437 χ^2/NDF: 35.0/30

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1016.435+/-715.902 χ^2/NDF: 47.8/32

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

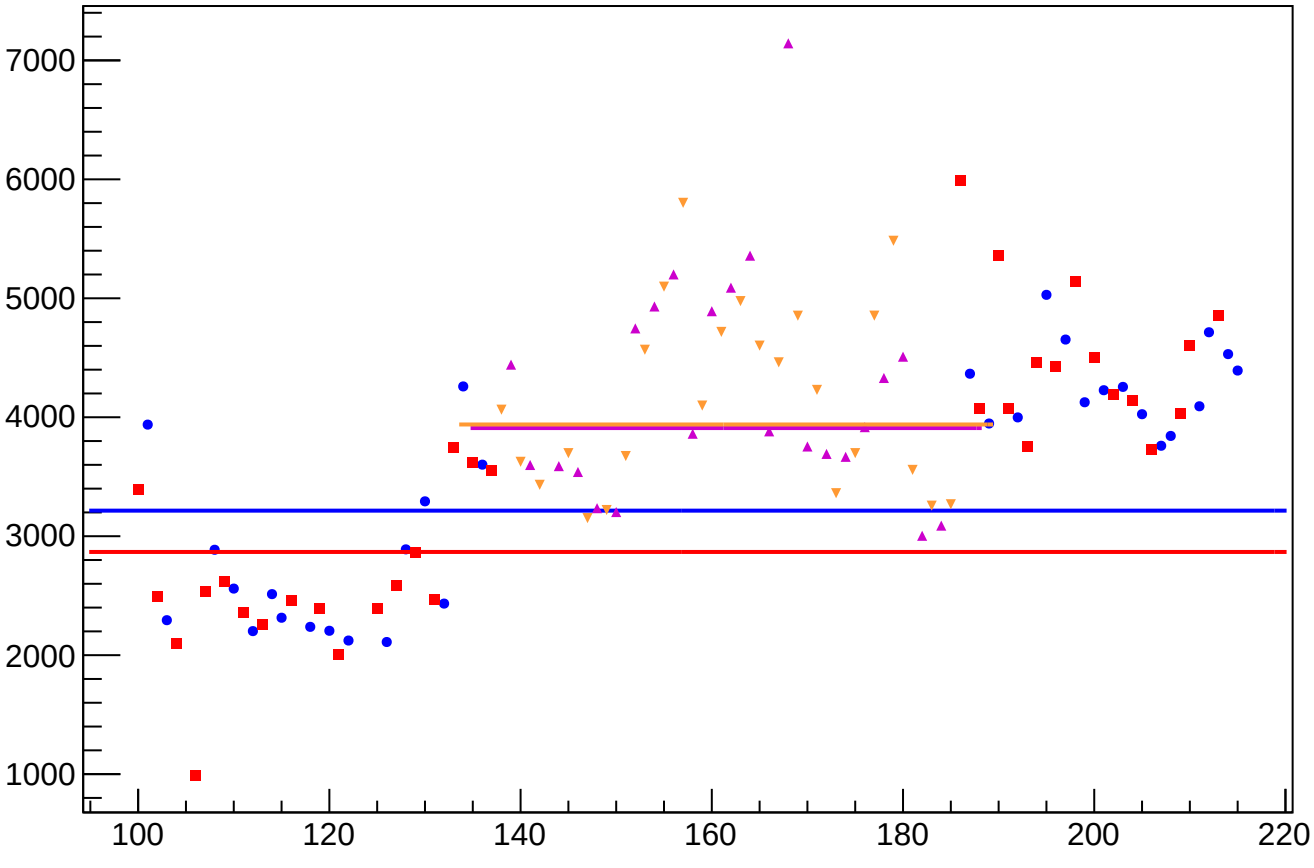
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 528.156+/-522.536 χ^2/NDF: 83.7/63

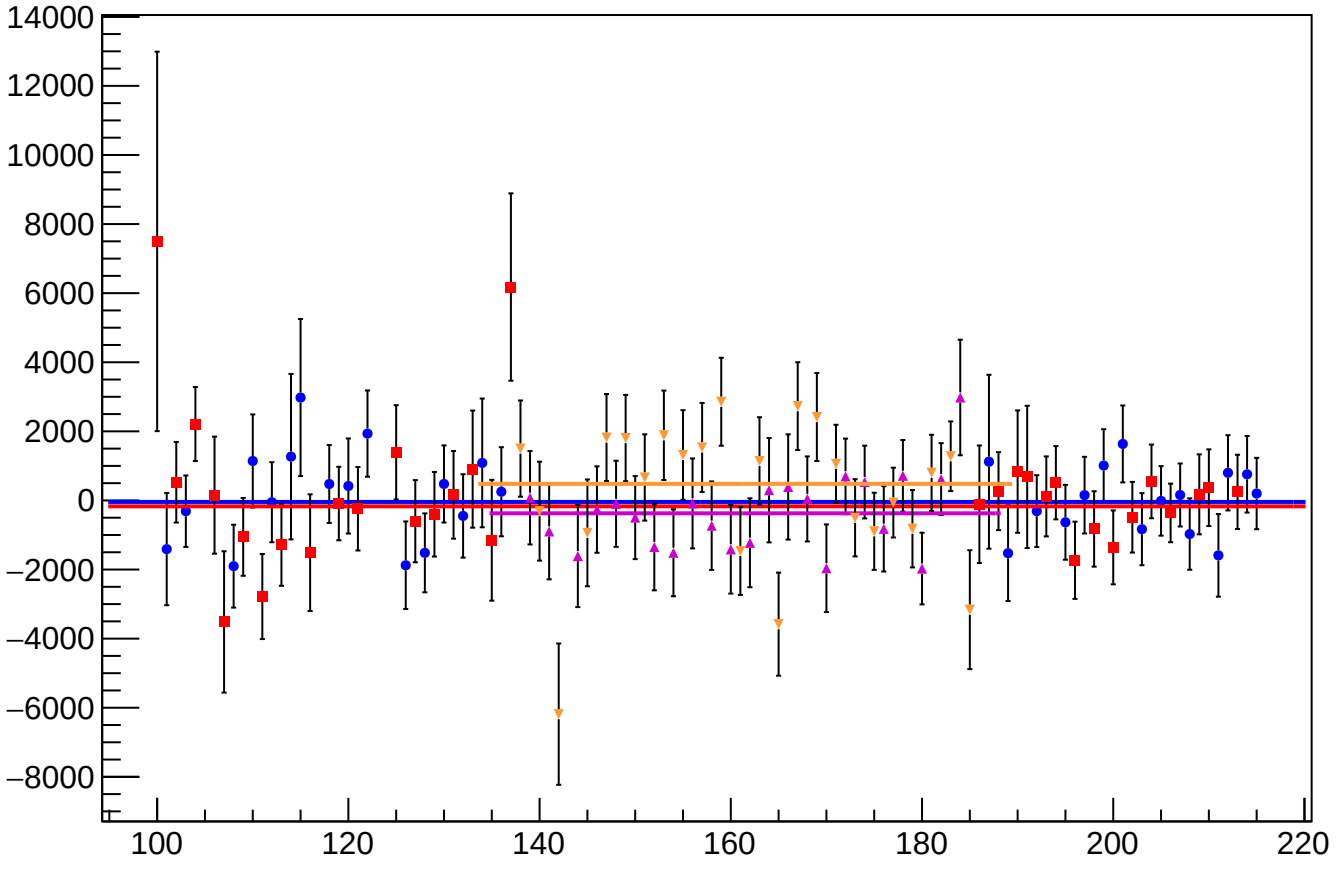
In: 33.822+/-591.218 χ^2/NDF:48.8/53

Out: 772.732+/-568.242 χ^2/NDF:78.3/56

All: 417.913+/-409.690 χ^2/NDF: 127.9/110


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 3214.973+/-0.541 χ²/NDF: 3008217.6/30
Left Out: 3939.261+/-0.661 χ²/NDF:1092666.9/23
Right Out: 2867.668+/-0.506 χ²/NDF: 5192403.3/32
Left In: 3909.133+/-0.659 χ²/NDF:1300774.2/22
Left: 3924.172+/-0.467 χ²/NDF: 2394482.8/46
Right: 3029.946+/-0.369 χ²/NDF: 8420554.2/63
In: 3493.920+/-0.418 χ²/NDF:4971709.8/53
Out: 3264.128+/-0.402 χ²/NDF:7942942.2/56
All: 3374.472+/-0.290 χ²/NDF: 13071705.2/1

cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -42.829+/-214.594 χ^2/NDF: 22.7/30

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -170.856+/-217.485 χ^2/NDF: 30.1/32

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

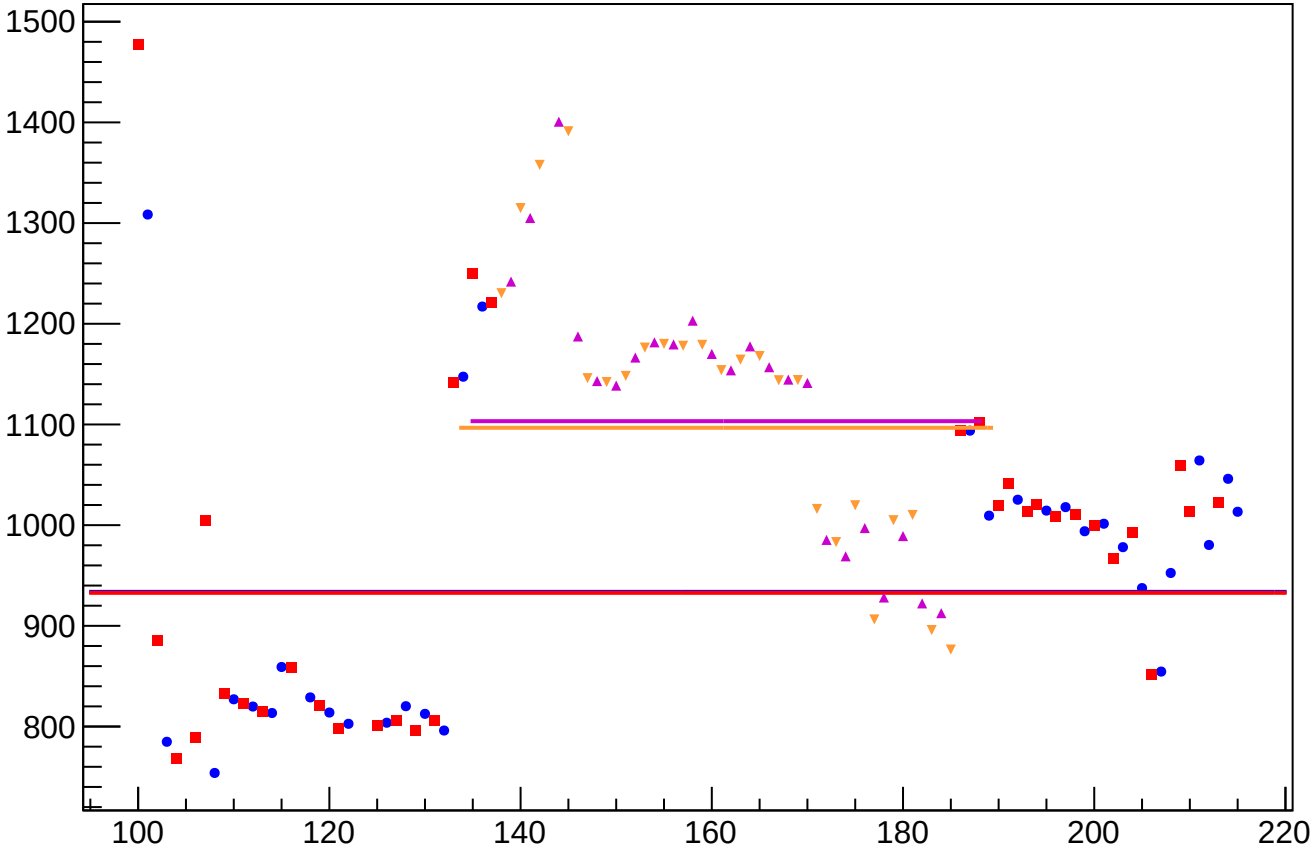
Right: -105.986+/-152.753 χ^2/NDF: 52.9/63

In: -176.993+/-165.325 χ^2/NDF:39.7/53

Out: 101.394+/-165.836 χ^2/NDF:79.0/56

All: -38.229+/-117.083 χ^2/NDF: 120.1/110

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 933.754+/-0.152 χ^2/NDF: 645166.0/30

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 932.798+/-0.153 χ^2/NDF: 597645.7/32

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

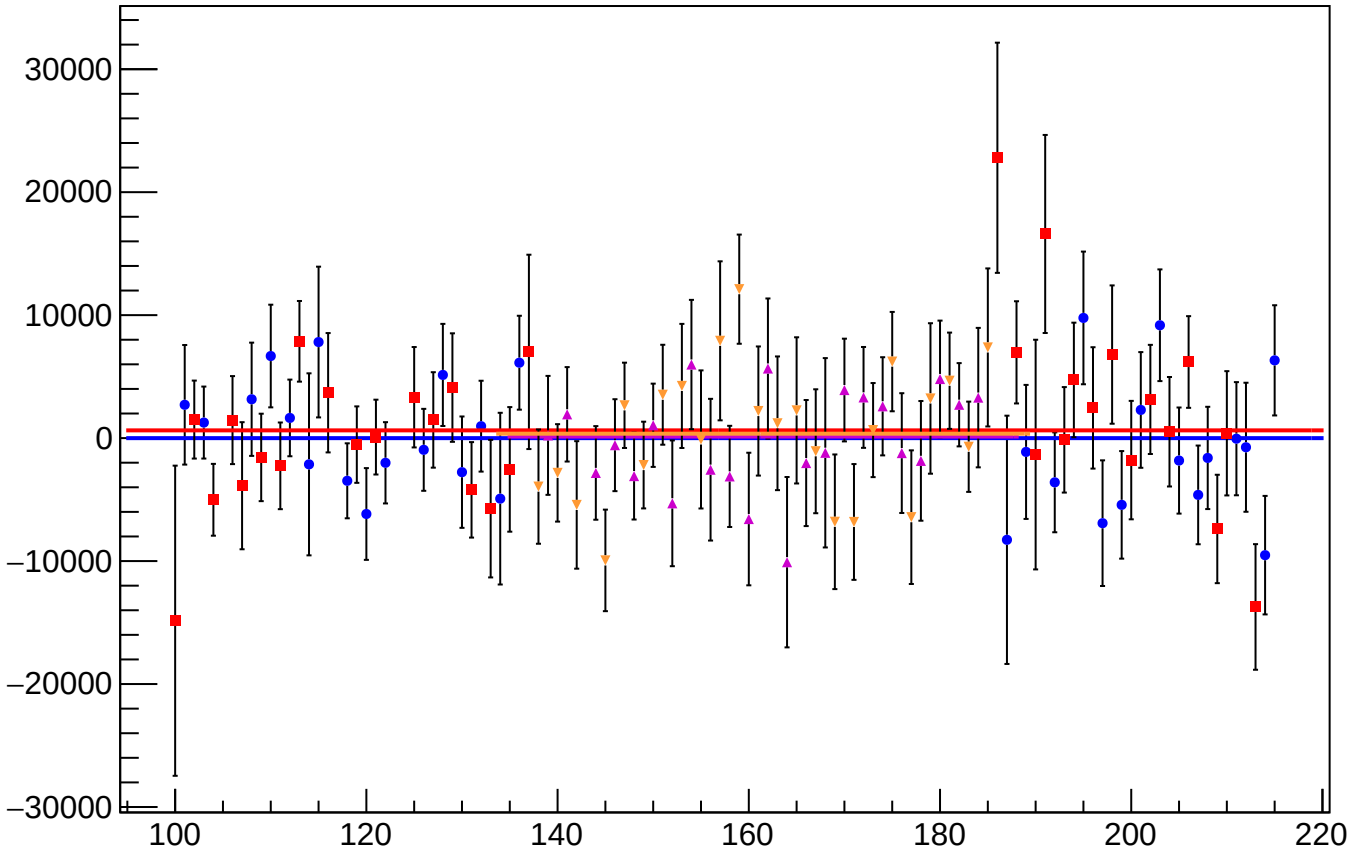
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 933.281+/-0.108 χ^2/NDF: 1242831.3/63

In: 1002.661+/-0.117 χ^2/NDF:1600043.3/53

Out: 1001.217+/-0.117 χ^2/NDF:1554600.8/56

All: 1001.940+/-0.083 χ^2/NDF: 3154720.3/11



Right In: -2.964+/-763.758 χ^2/NDF: 35.1/30

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 629.307+/-747.304 χ^2/NDF: 45.7/32

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

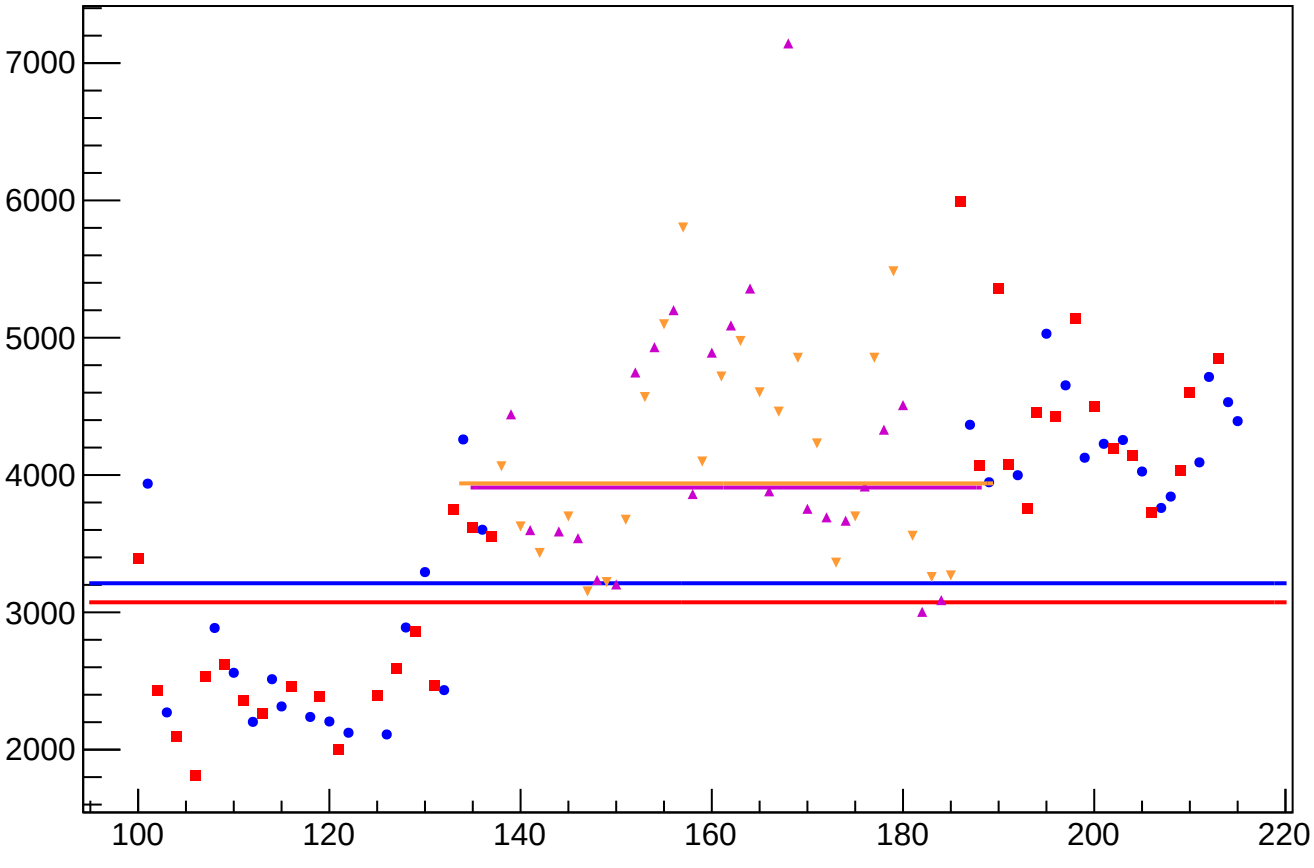
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

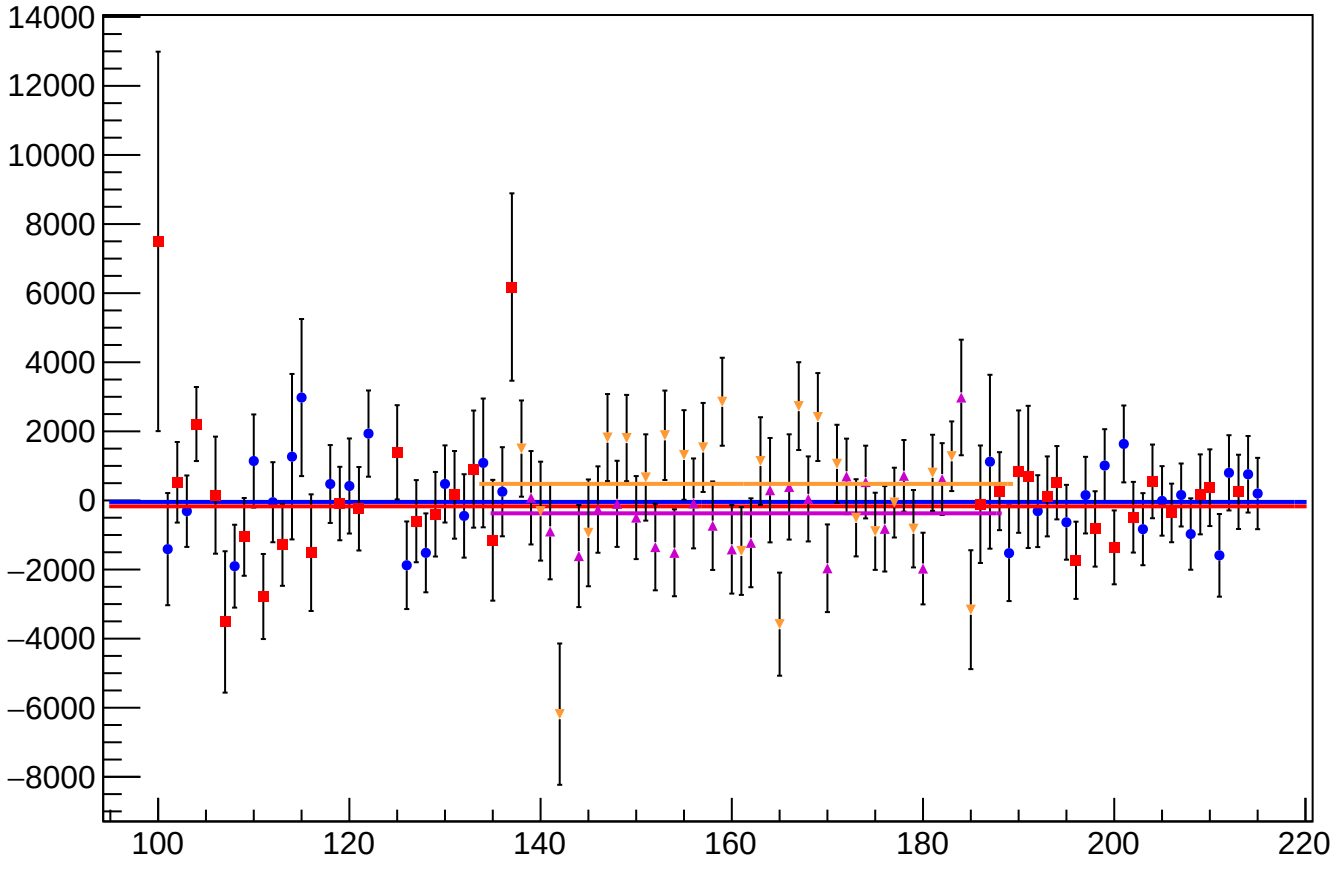
Right: 320.056+/-534.146 χ^2/NDF: 81.1/63

In: 49.060+/-590.903 χ^2/NDF:48.8/53

Out: 523.338+/-583.568 χ^2/NDF:76.0/56

All: 289.161+/-415.214 χ^2/NDF: 125.2/110


asym_usl_atl2_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 3211.761+/-0.540 χ²/NDF: 3023267.5/30
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 3073.082+/-0.528 χ²/NDF: 3501001.6/32
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 3140.912+/-0.378 χ²/NDF: 6557956.0/63
In: 3491.699+/-0.418 χ²/NDF:4993382.7/53
Out: 3411.065+/-0.413 χ²/NDF:5642089.8/56
All: 3450.878+/-0.294 χ²/NDF: 10654326.1/1



Right In: -42.829+/-214.594 χ^2/NDF: 22.7/30

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -170.856+/-217.485 χ^2/NDF: 30.1/32

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

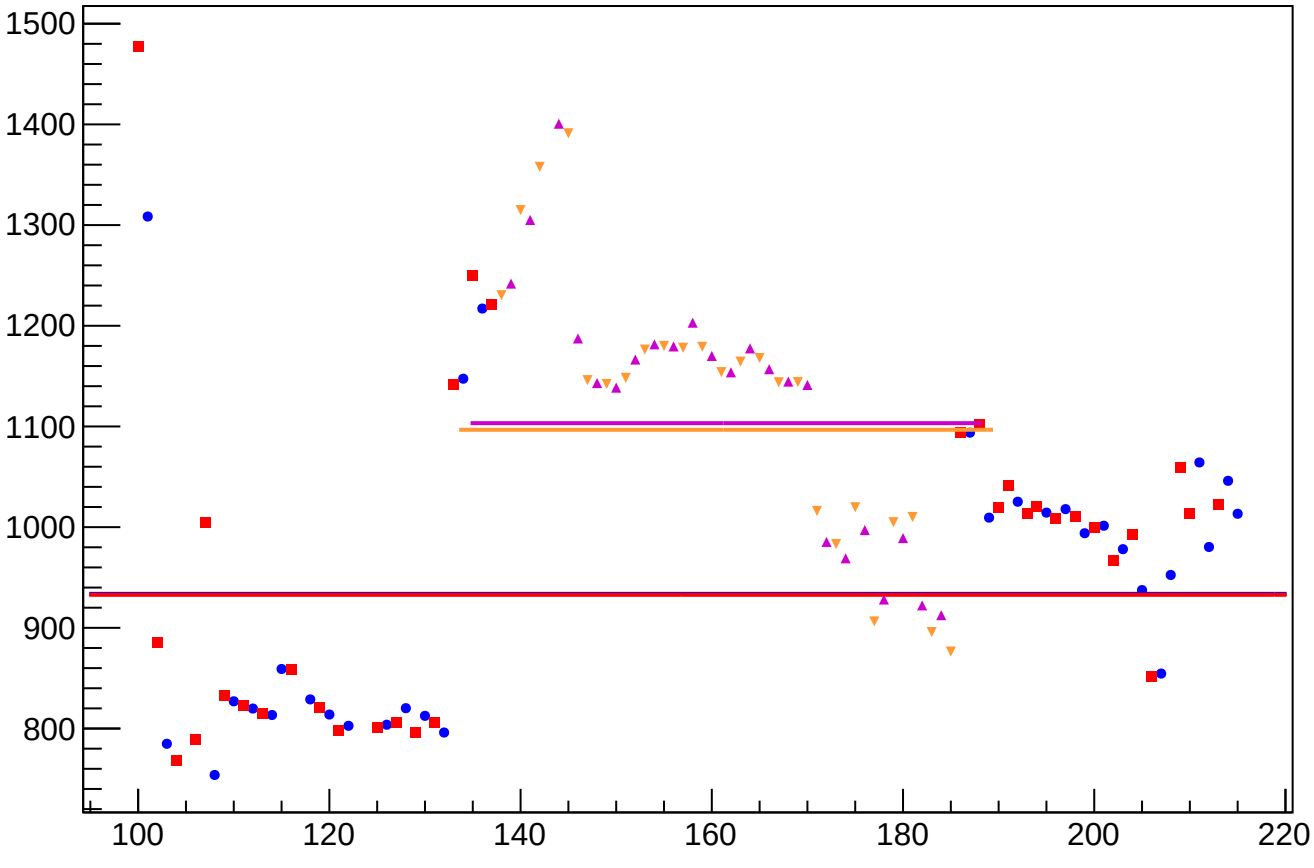
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

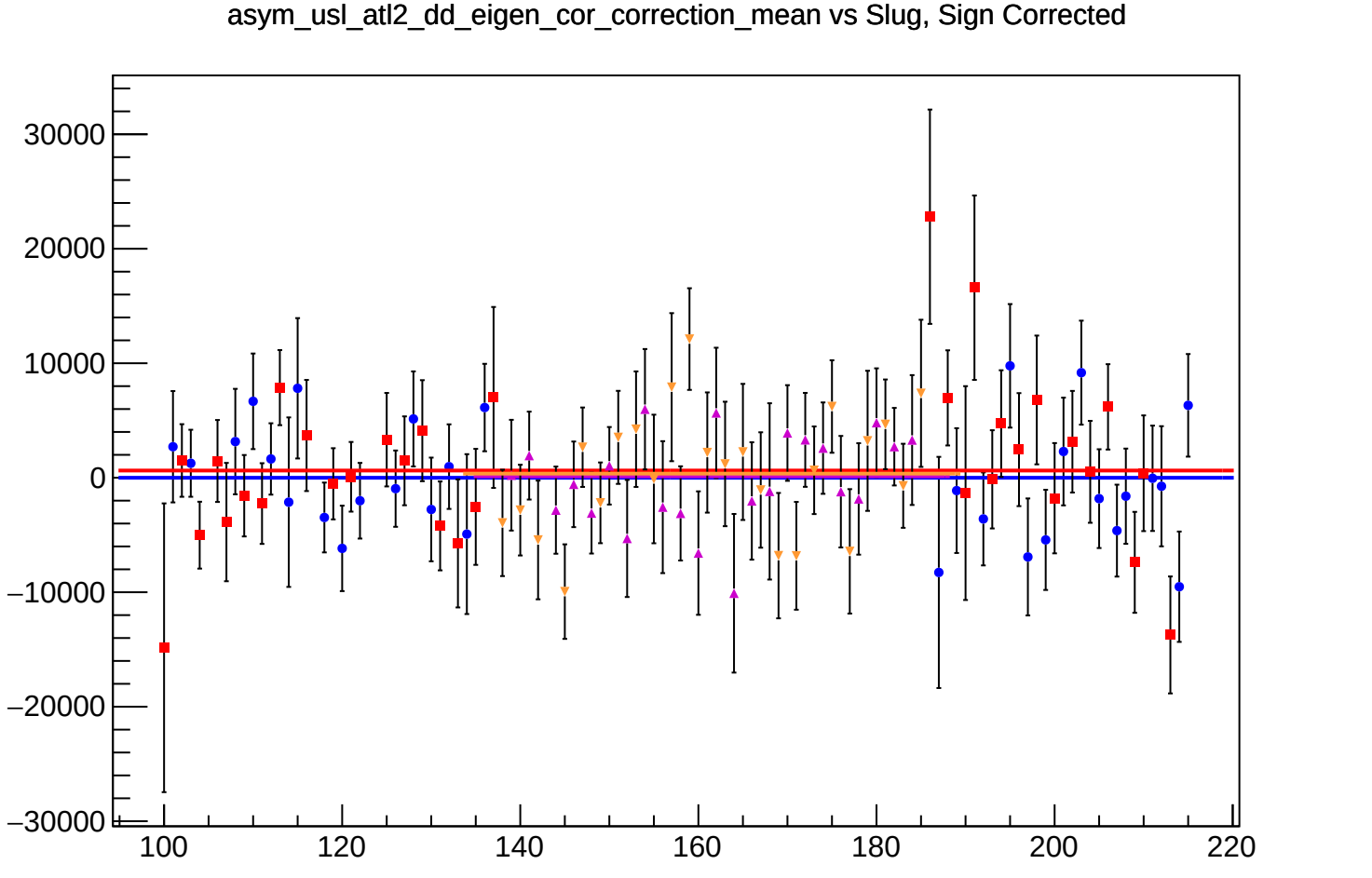
Right: -105.986+/-152.753 χ^2/NDF: 52.9/63

In: -176.993+/-165.325 χ^2/NDF:39.7/53

Out: 101.394+/-165.836 χ^2/NDF:79.0/56

All: -38.229+/-117.083 χ^2/NDF: 120.1/110


eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected
1500
1400
1300
1200
1100
1000
900
800
100
120
140
160
180
200
220
Right In: 933.754+/-0.152 χ²/NDF: 645166.0/30
Left Out: 1096.711+/-0.181 χ²/NDF:480498.6/23
Right Out: 932.798+/-0.153 χ²/NDF: 597645.7/32
Left In: 1103.281+/-0.183 χ²/NDF:447540.3/22
Left: 1099.958+/-0.129 χ²/NDF: 928688.1/46
Right: 933.281+/-0.108 χ²/NDF: 1242831.3/63
In: 1002.661+/-0.117 χ²/NDF:1600043.3/53
Out: 1001.217+/-0.117 χ²/NDF:1554600.8/56
All: 1001.940+/-0.083 χ²/NDF: 3154720.3/11



Right In: -2.964+/-763.758 χ^2/NDF: 35.1/30

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 629.307+/-747.304 χ^2/NDF: 45.7/32

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

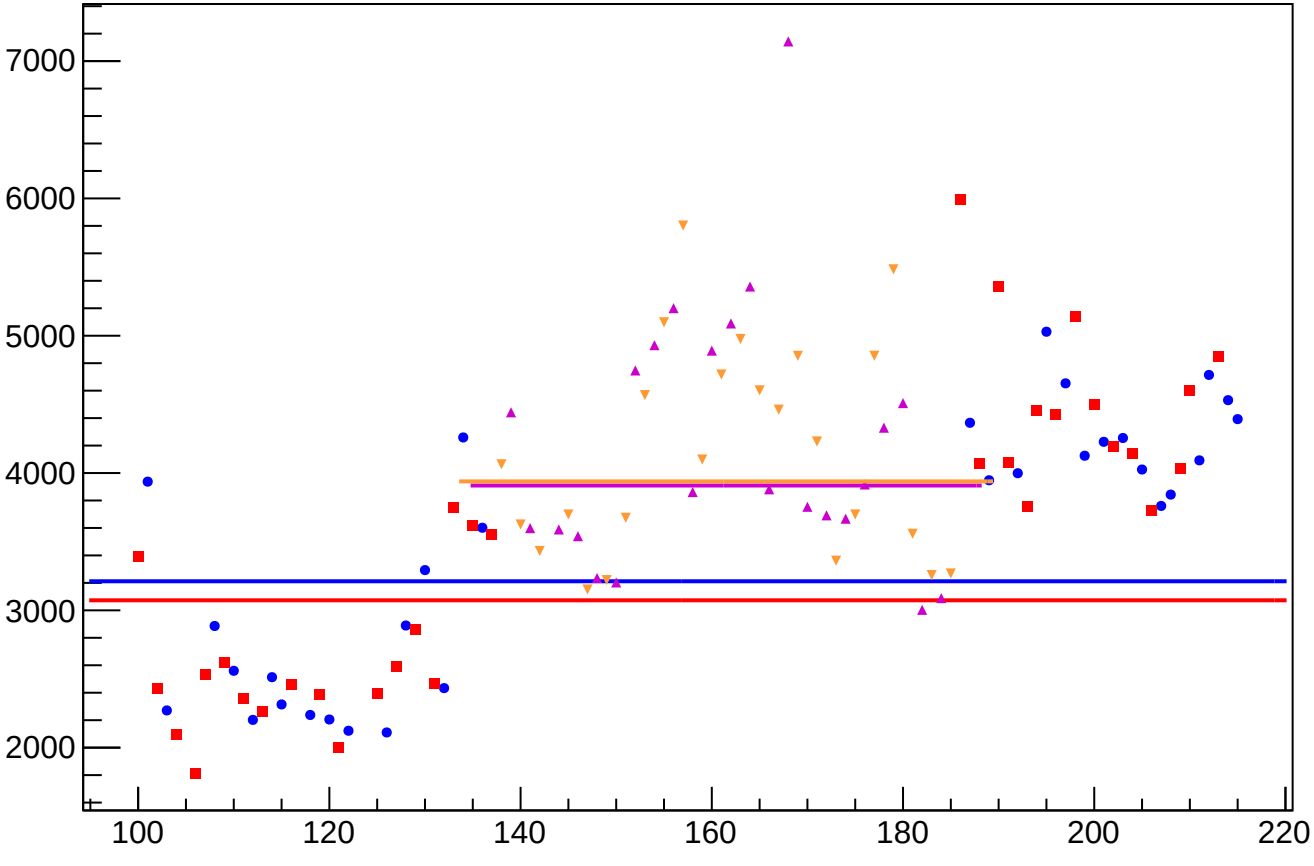
Right: 320.056+/-534.146 χ^2/NDF: 81.1/63

In: 49.060+/-590.903 χ^2/NDF:48.8/53

Out: 523.338+/-583.568 χ^2/NDF:76.0/56

All: 289.161+/-415.214 χ^2/NDF: 125.2/110

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3211.761+/-0.540 χ^2/NDF: 3023267.5/30

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3073.082+/-0.528 χ^2/NDF: 3501001.6/32

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

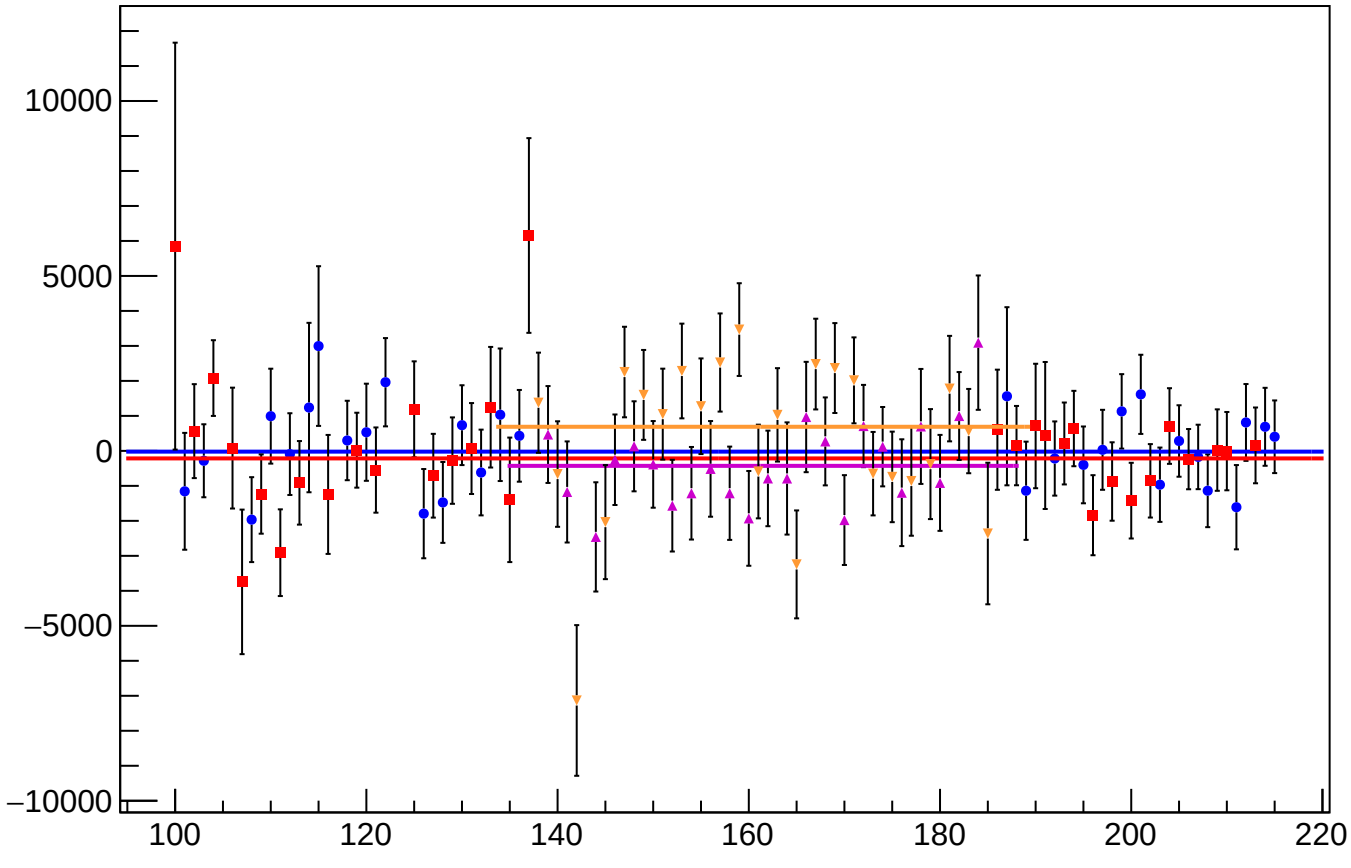
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3140.912+/-0.378 χ^2/NDF: 6557956.0/63

In: 3491.699+/-0.418 χ^2/NDF:4993382.7/53

Out: 3411.065+/-0.413 χ^2/NDF:5642089.8/56

All: 3450.878+/-0.294 χ^2/NDF: 10654326.1/1



Right In: -21.483+/-217.251 χ^2/NDF: 22.4/30

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -215.506+/-221.082 χ^2/NDF: 29.3/32

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

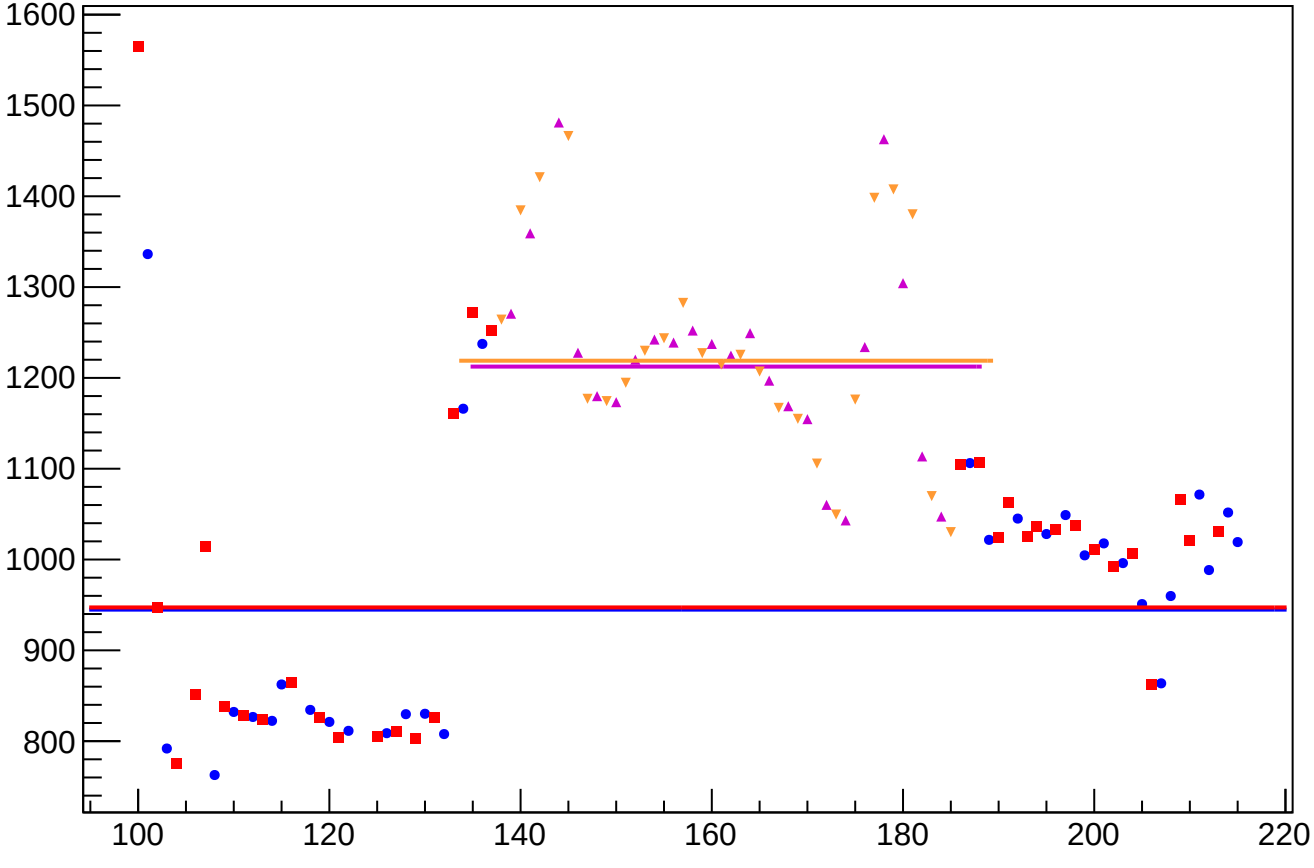
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -116.799+/-154.956 χ^2/NDF: 52.1/63

In: -171.315+/-172.639 χ^2/NDF:38.3/53

Out: 125.247+/-174.544 χ^2/NDF:81.3/56

All: -24.661+/-122.742 χ^2/NDF: 121.1/110



Right In: 944.840+/-0.154 χ^2/NDF: 661164.1/30

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 947.252+/-0.156 χ^2/NDF: 601269.9/32

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

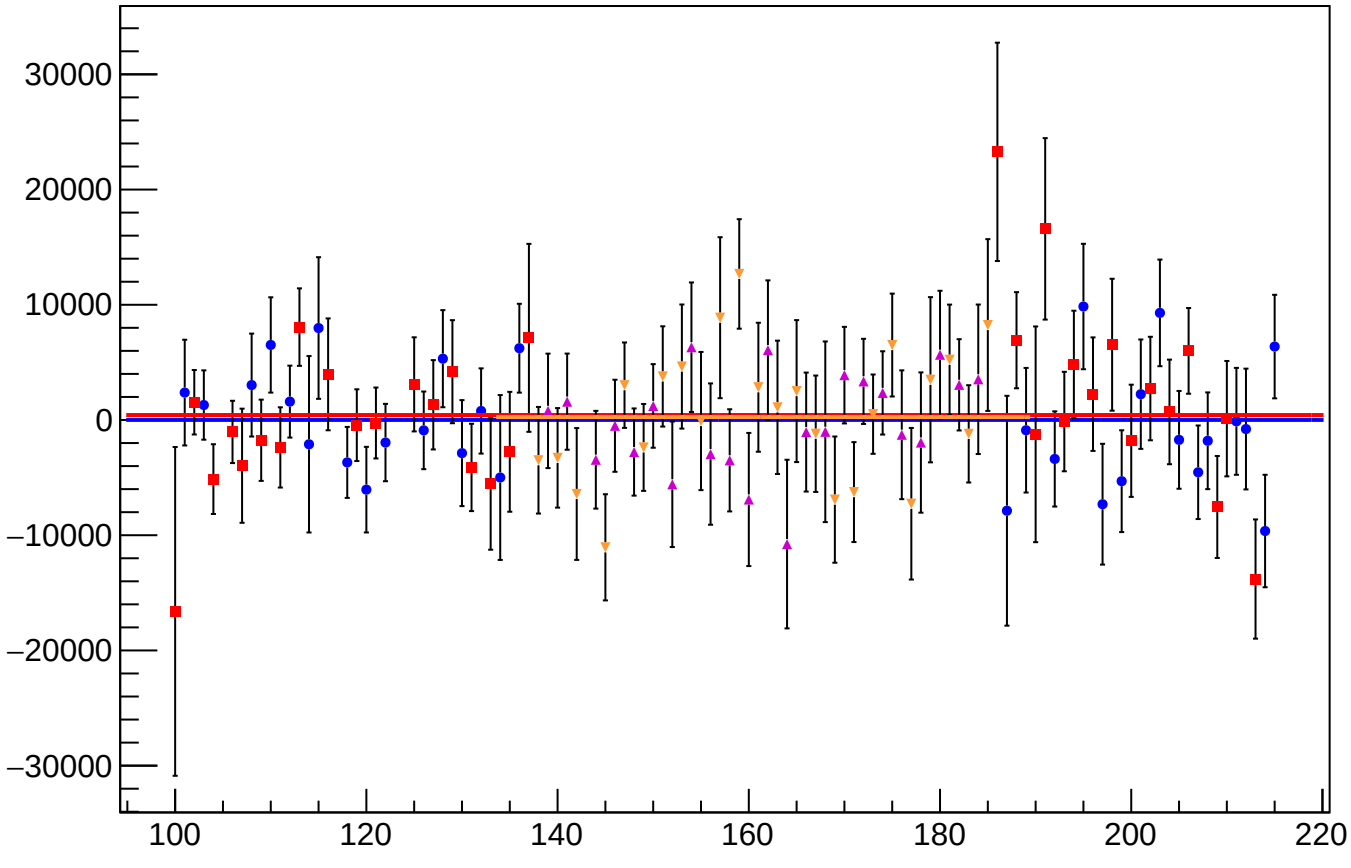
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 946.025+/-0.110 χ^2/NDF: 1262555.2/63

In: 1043.461+/-0.122 χ^2/NDF:2039822.9/53

Out: 1049.533+/-0.123 χ^2/NDF:2033186.3/56

All: 1046.464+/-0.087 χ^2/NDF: 4074233.3/11



Right In: 10.363+/-768.428 χ^2/NDF: 34.8/30

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 431.185+/-733.315 χ^2/NDF: 45.9/32

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

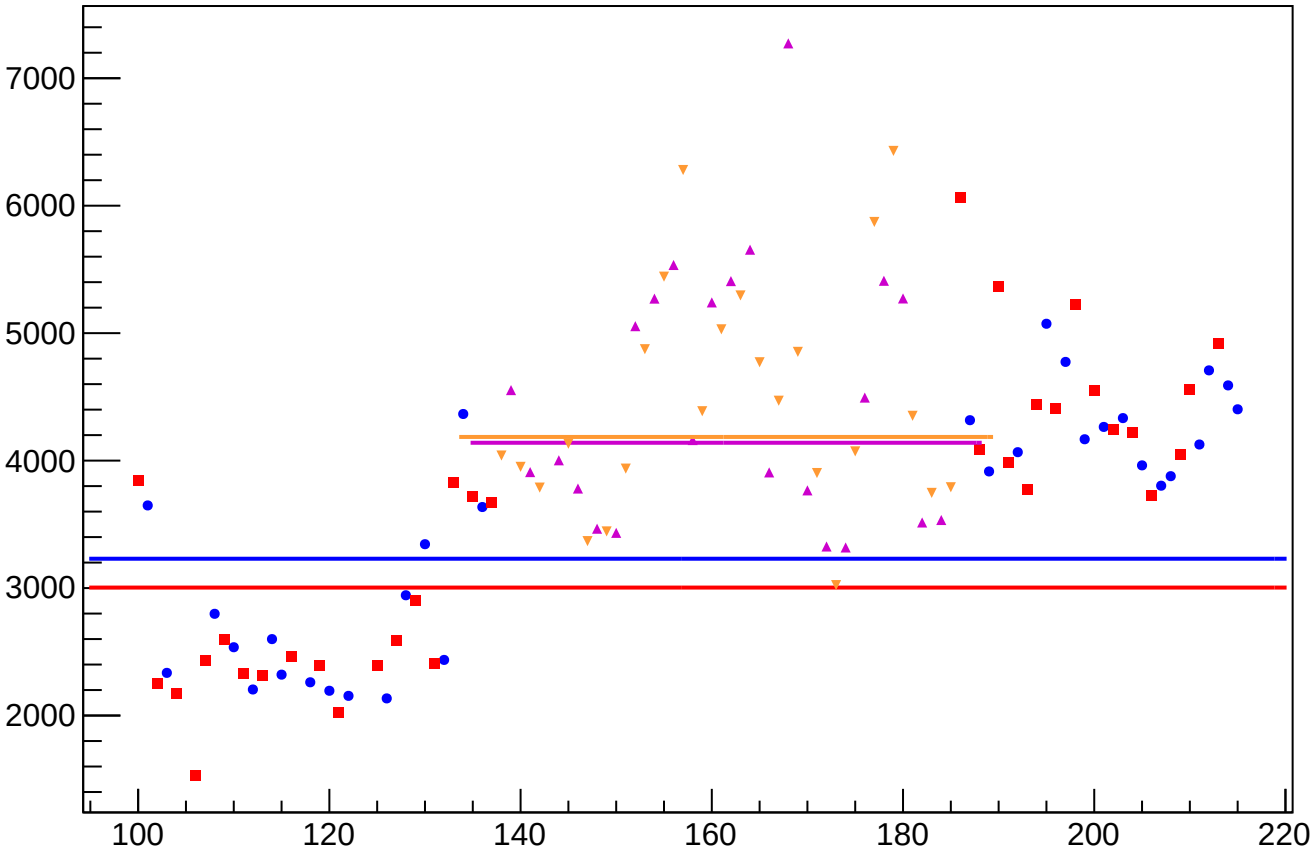
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

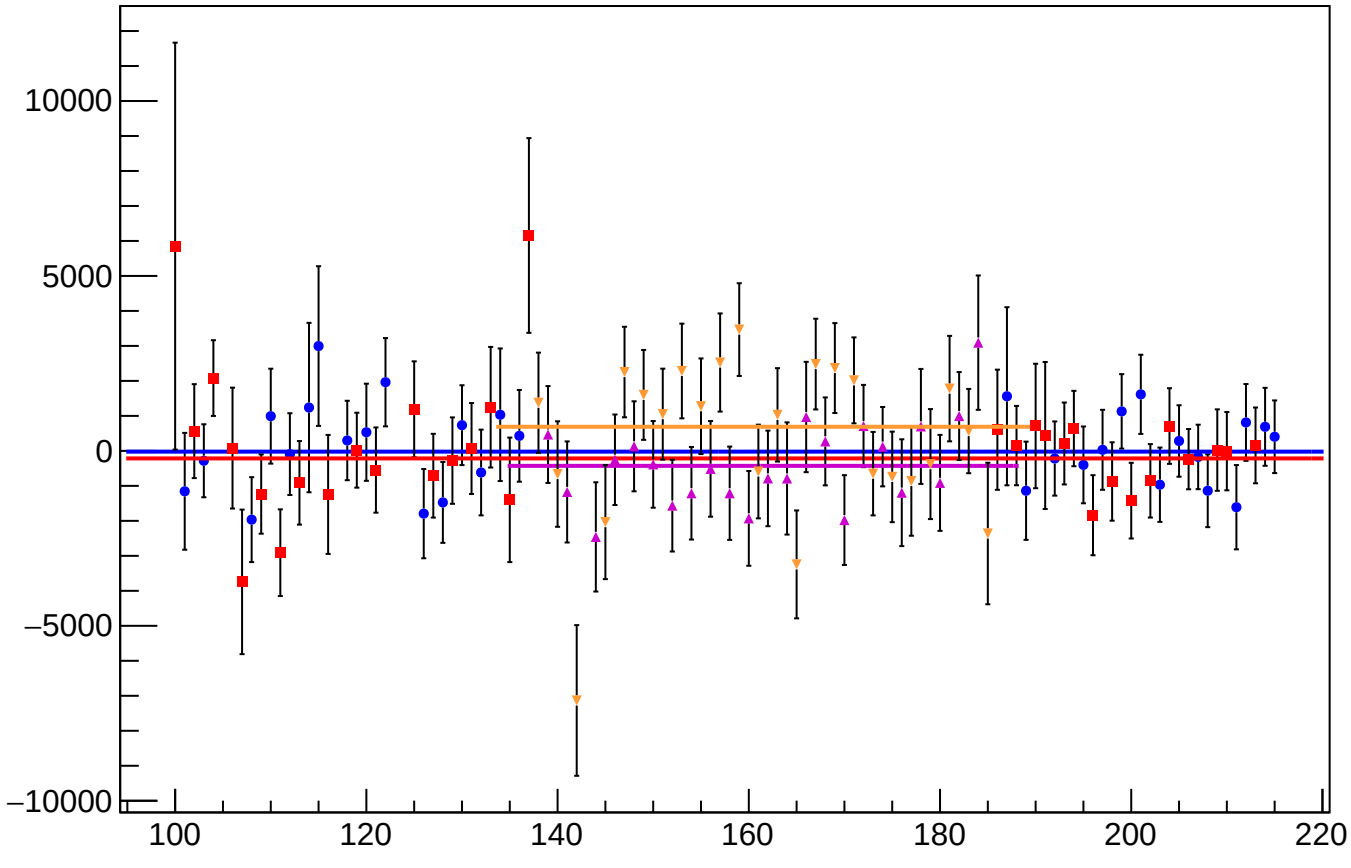
Right: 230.608+/-530.511 χ^2/NDF: 80.8/63

In: 106.552+/-607.046 χ^2/NDF:48.3/53

Out: 368.410+/-590.346 χ^2/NDF:75.6/56

All: 241.132+/-423.219 χ^2/NDF: 124.0/110


asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 3230.234+/-0.543 χ²/NDF: 2999267.3/30
Left Out: 4185.656+/-0.704 χ²/NDF:1271248.5/23
Right Out: 3003.978+/-0.519 χ²/NDF: 4000098.4/32
Left In: 4140.051+/-0.700 χ²/NDF:1449924.0/22
Left: 4162.737+/-0.496 χ²/NDF: 2723283.3/46
Right: 3111.819+/-0.375 χ²/NDF: 7090112.1/63
In: 3572.256+/-0.429 χ²/NDF:5503173.4/53
Out: 3419.827+/-0.417 χ²/NDF:7098957.9/56
All: 3493.916+/-0.299 χ²/NDF: 12666940.2/



Right In: -21.485+/-217.251 χ^2/NDF: 22.4/30

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -215.506+/-221.082 χ^2/NDF: 29.3/32

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

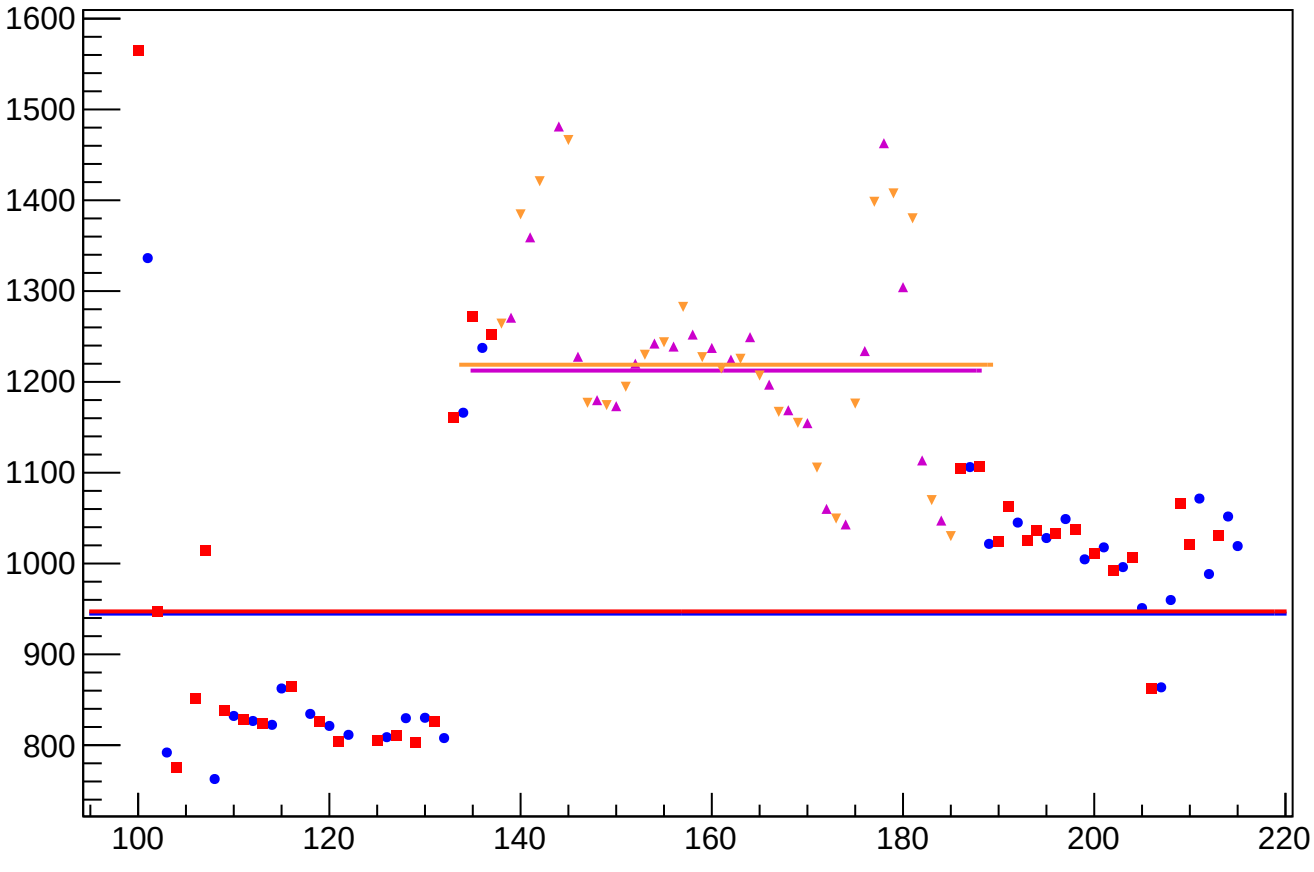
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -116.800+/-154.956 χ^2/NDF: 52.1/63

In: -171.315+/-172.639 χ^2/NDF:38.3/53

Out: 125.248+/-174.544 χ^2/NDF:81.3/56

All: -24.661+/-122.742 χ^2/NDF: 121.1/110



Right In: 944.840+/-0.154 χ^2/NDF: 661163.8/30

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 947.252+/-0.156 χ^2/NDF: 601270.3/32

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

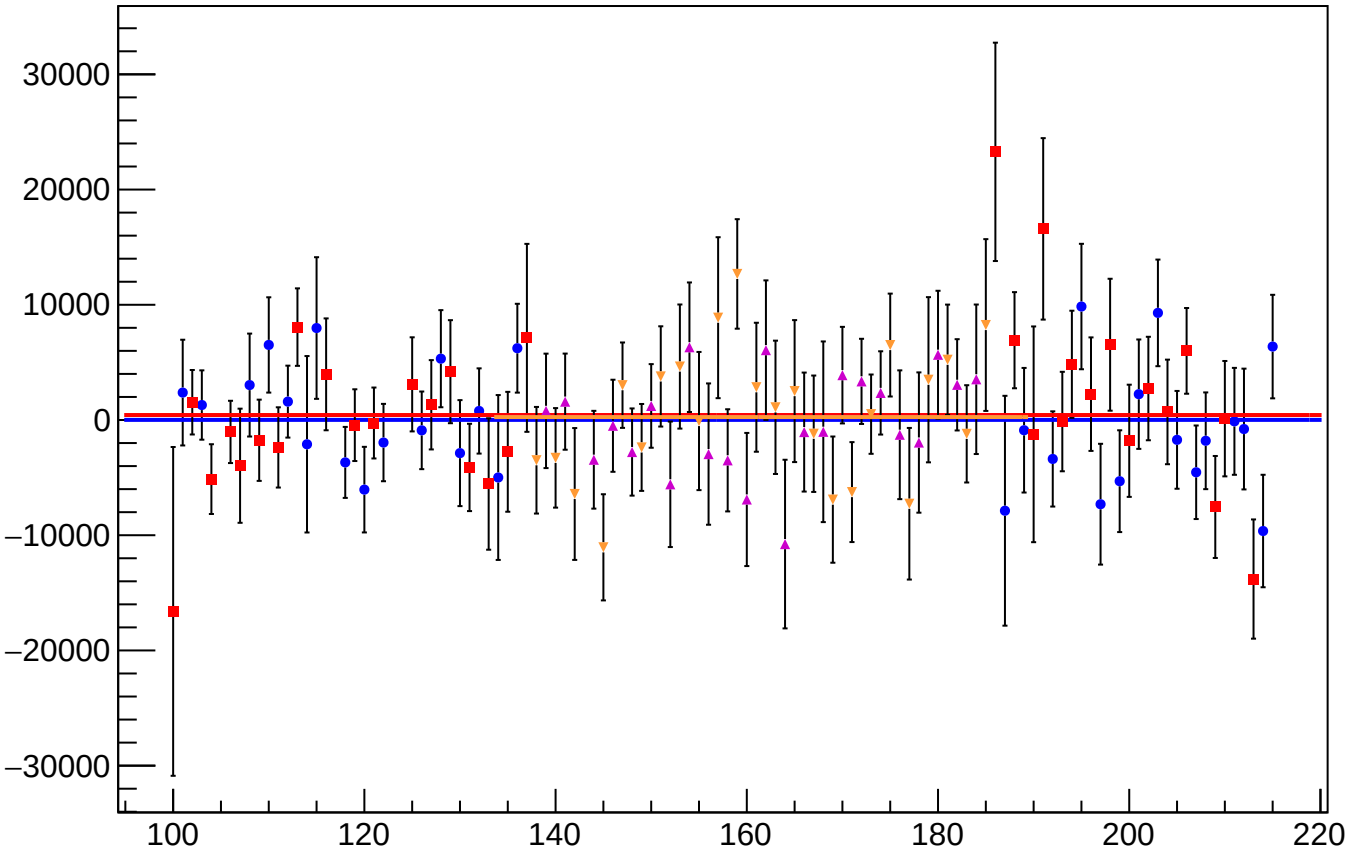
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 946.026+/-0.110 χ^2/NDF: 1262555.4/63

In: 1043.461+/-0.122 χ^2/NDF:2039839.0/53

Out: 1049.534+/-0.123 χ^2/NDF:2033204.6/56

All: 1046.465+/-0.087 χ^2/NDF: 4074267.7/11



Right In: 10.362+/-768.427 χ^2/NDF: 34.8/30

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 431.182+/-733.314 χ^2/NDF: 45.9/32

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

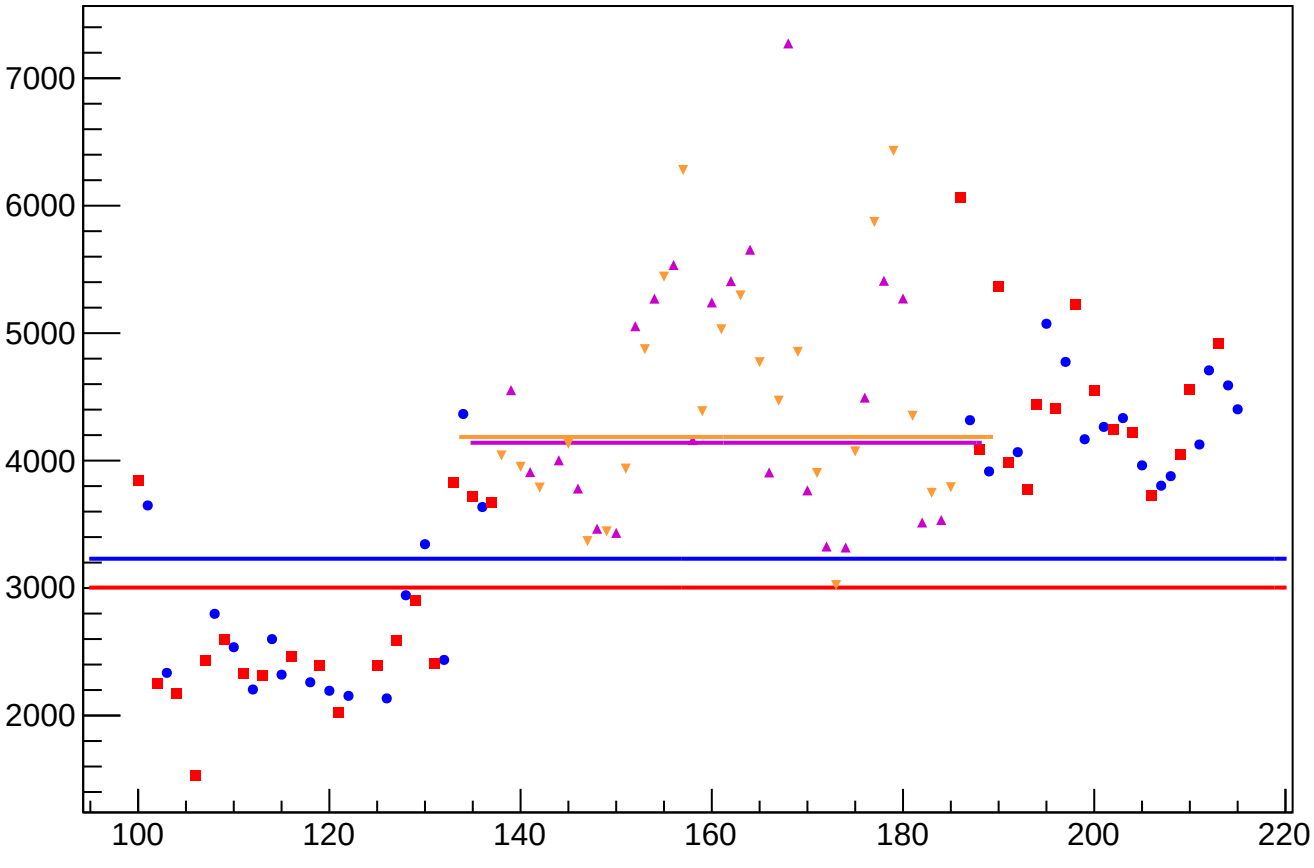
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

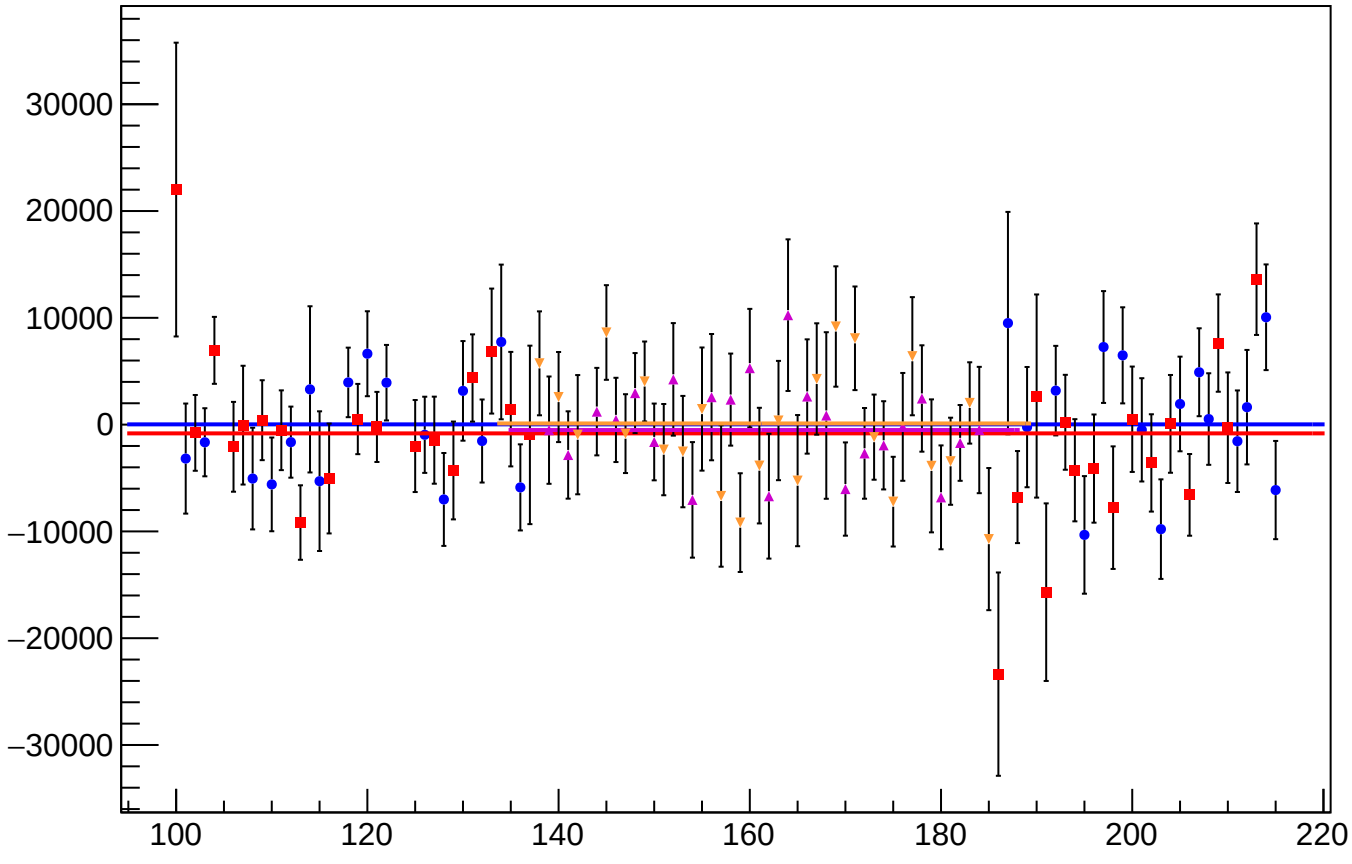
Right: 230.606+/-530.510 χ^2/NDF: 80.8/63

In: 106.551+/-607.046 χ^2/NDF:48.3/53

Out: 368.409+/-590.346 χ^2/NDF:75.6/56

All: 241.131+/-423.219 χ^2/NDF: 124.0/110


asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 3230.228+/-0.543 χ²/NDF: 2999323.6/30
Left Out: 4185.664+/-0.704 χ²/NDF:1271247.4/23
Right Out: 3003.972+/-0.519 χ²/NDF: 4000143.3/32
Left In: 4140.059+/-0.700 χ²/NDF:1449925.1/22
Left: 4162.745+/-0.496 χ²/NDF: 2723283.4/46
Right: 3111.813+/-0.375 χ²/NDF: 7090213.9/63
In: 3572.254+/-0.429 χ²/NDF:5503258.1/53
Out: 3419.825+/-0.417 χ²/NDF:7099041.5/56
All: 3493.914+/-0.299 χ²/NDF: 12667109.3/



Right In: 23.440+/-800.438 χ^2/NDF: 37.6/30

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -820.883+/-789.320 χ^2/NDF: 47.1/32

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

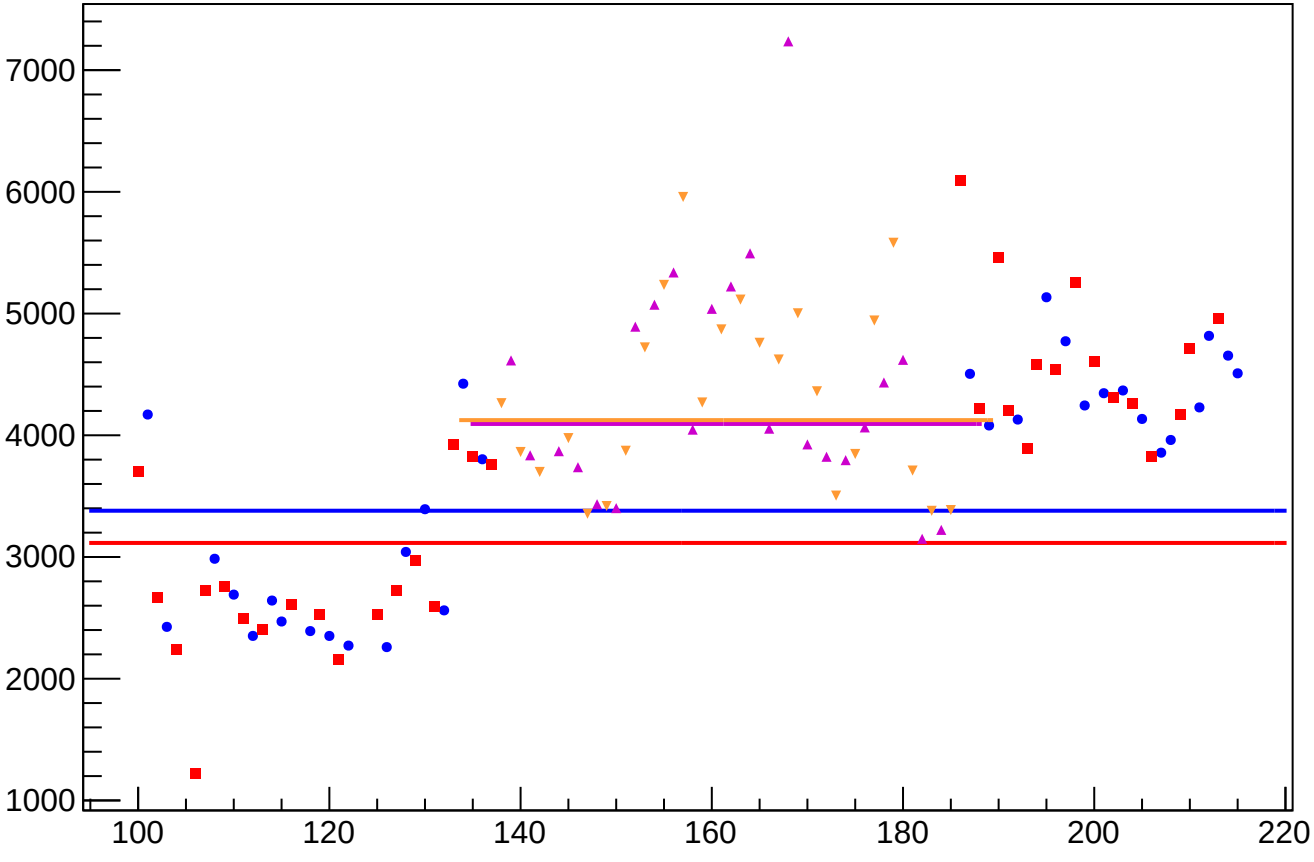
Right: -404.626+/-562.023 χ^2/NDF: 85.3/63

In: -191.159+/-618.449 χ^2/NDF:51.3/53

Out: -453.018+/-613.633 χ^2/NDF:75.7/56

All: -323.112+/-435.597 χ^2/NDF: 127.1/110

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3380.214+/-0.566 χ^2/NDF: 2701292.0/30

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3115.523+/-0.541 χ^2/NDF: 4142458.7/32

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

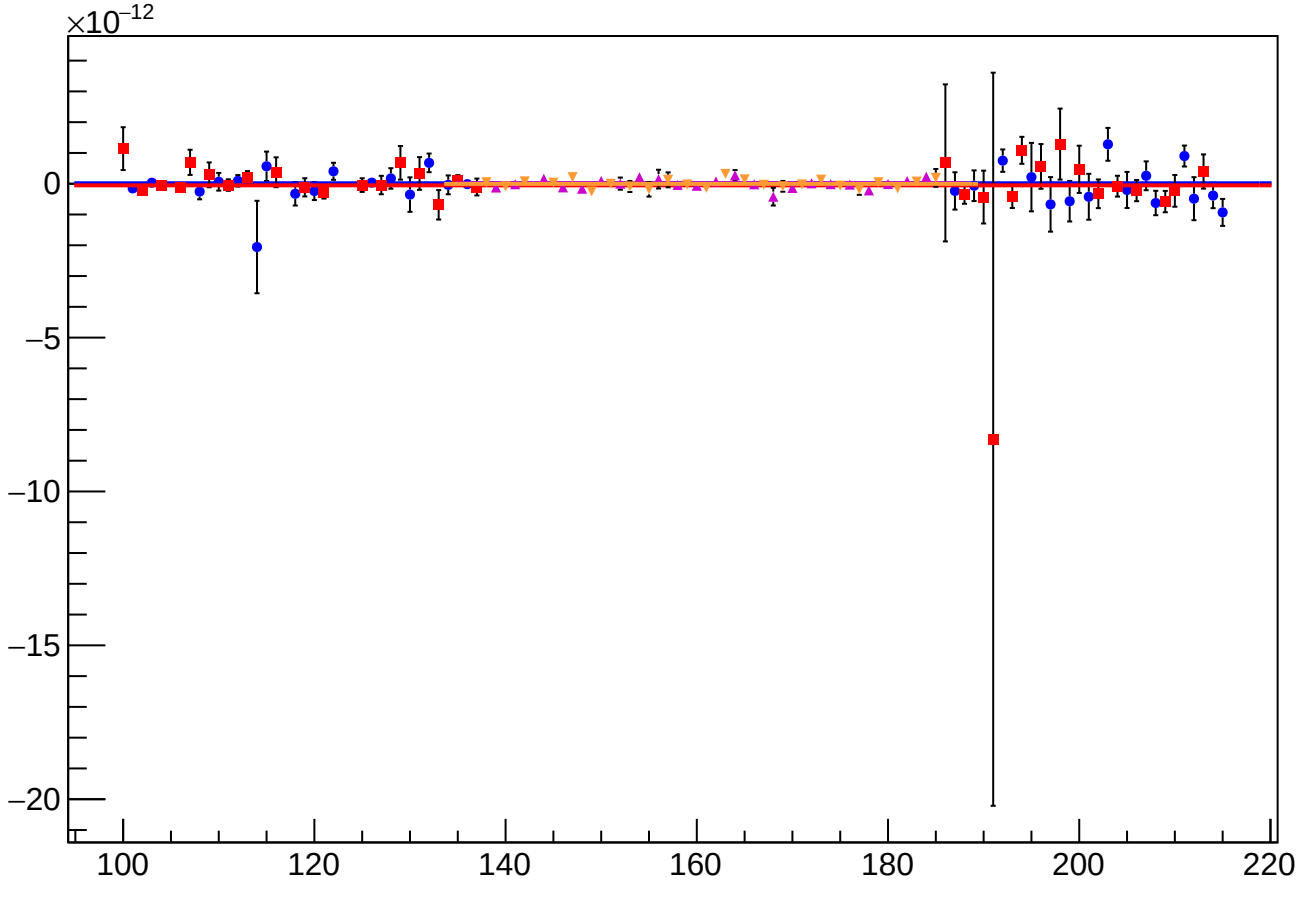
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3242.004+/-0.391 χ^2/NDF: 6957947.3/63

In: 3667.514+/-0.437 χ^2/NDF:4503452.3/53

Out: 3500.139+/-0.426 χ^2/NDF:6436083.2/56

All: 3581.619+/-0.305 χ^2/NDF: 11014712.0/1



Right In: 0.000+/-0.000 χ^2/NDF: 43.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/32

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

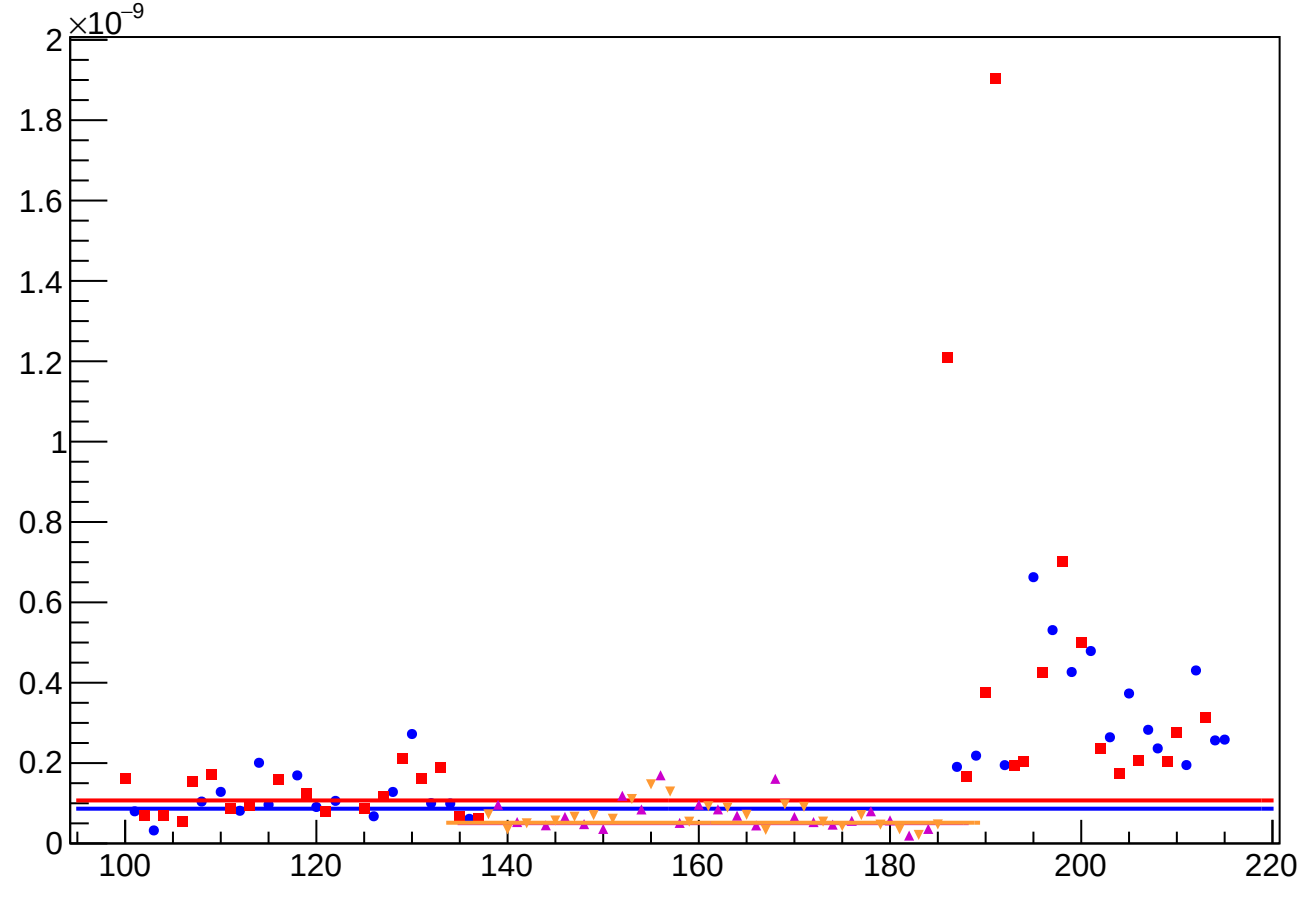
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 76.8/63

In: 0.000+/-0.000 χ^2/NDF:68.7/53

Out: -0.000+/-0.000 χ^2/NDF:57.7/56

All: 0.000+/-0.000 χ^2/NDF: 127.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 6874238.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4472546.1/32

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

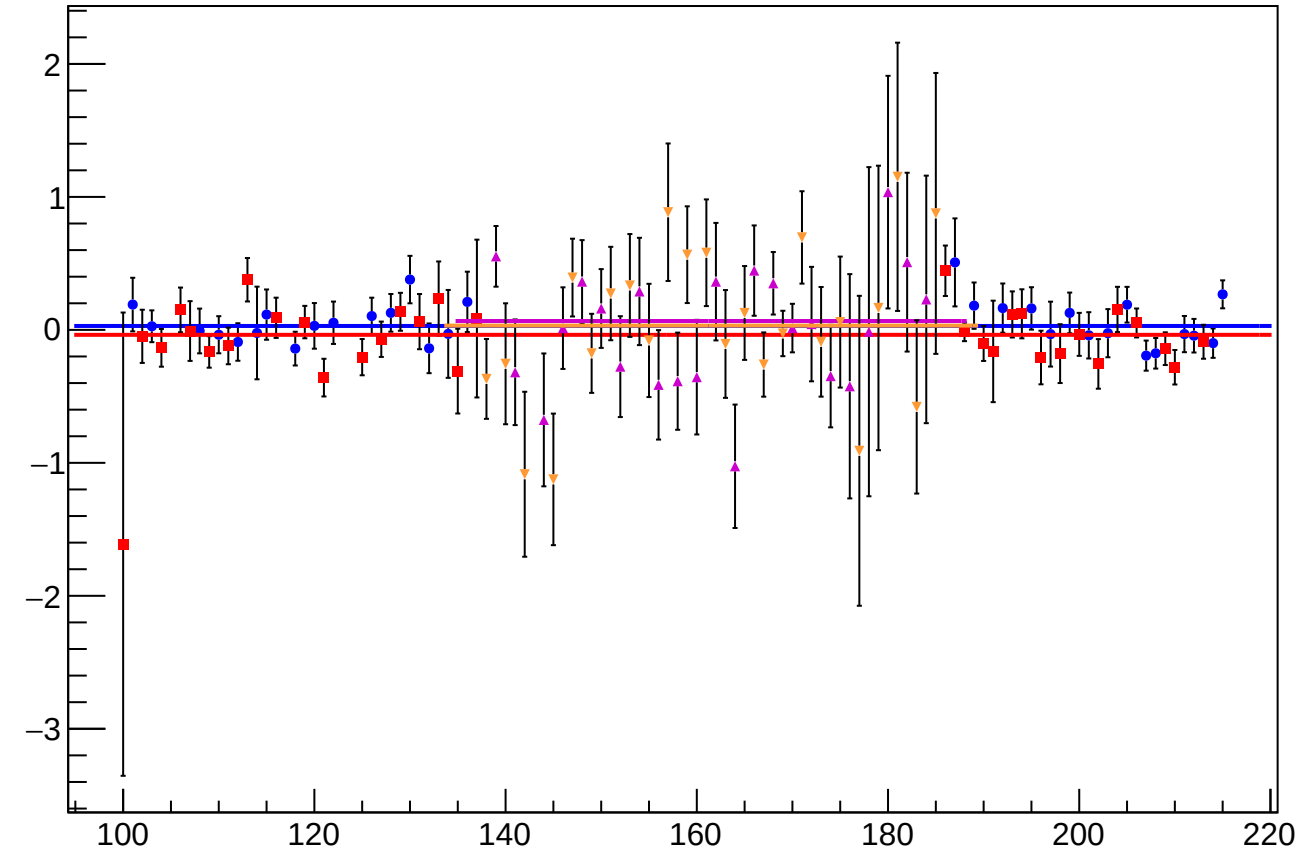
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 11551388.7/63

In: 0.000+/-0.000 χ^2/NDF:10470694.8/53

Out: 0.000+/-0.000 χ^2/NDF:8874675.2/56

All: 0.000+/-0.000 χ^2/NDF: 19364632.5/110



Right In: 0.029+/-0.027 χ^2/NDF: 30.1/30

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.037+/-0.026 χ^2/NDF: 39.3/32

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

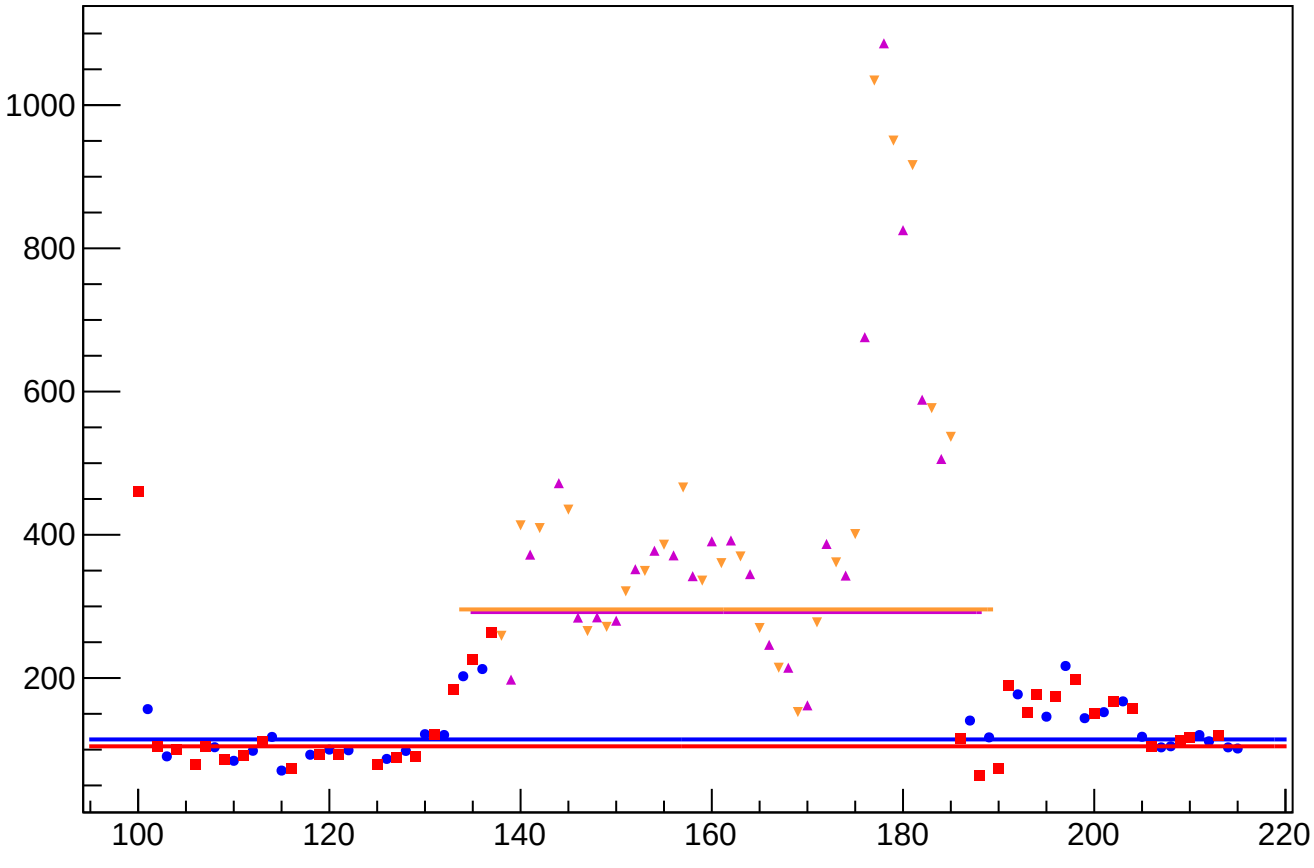
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.005+/-0.019 χ^2/NDF: 72.5/63

In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: 0.001+/-0.018 χ^2/NDF: 128.9/110



Right In: 114.249+/-0.019 χ^2/NDF: 2221614.1/30

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 104.640+/-0.019 χ^2/NDF: 3628791.2/32

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

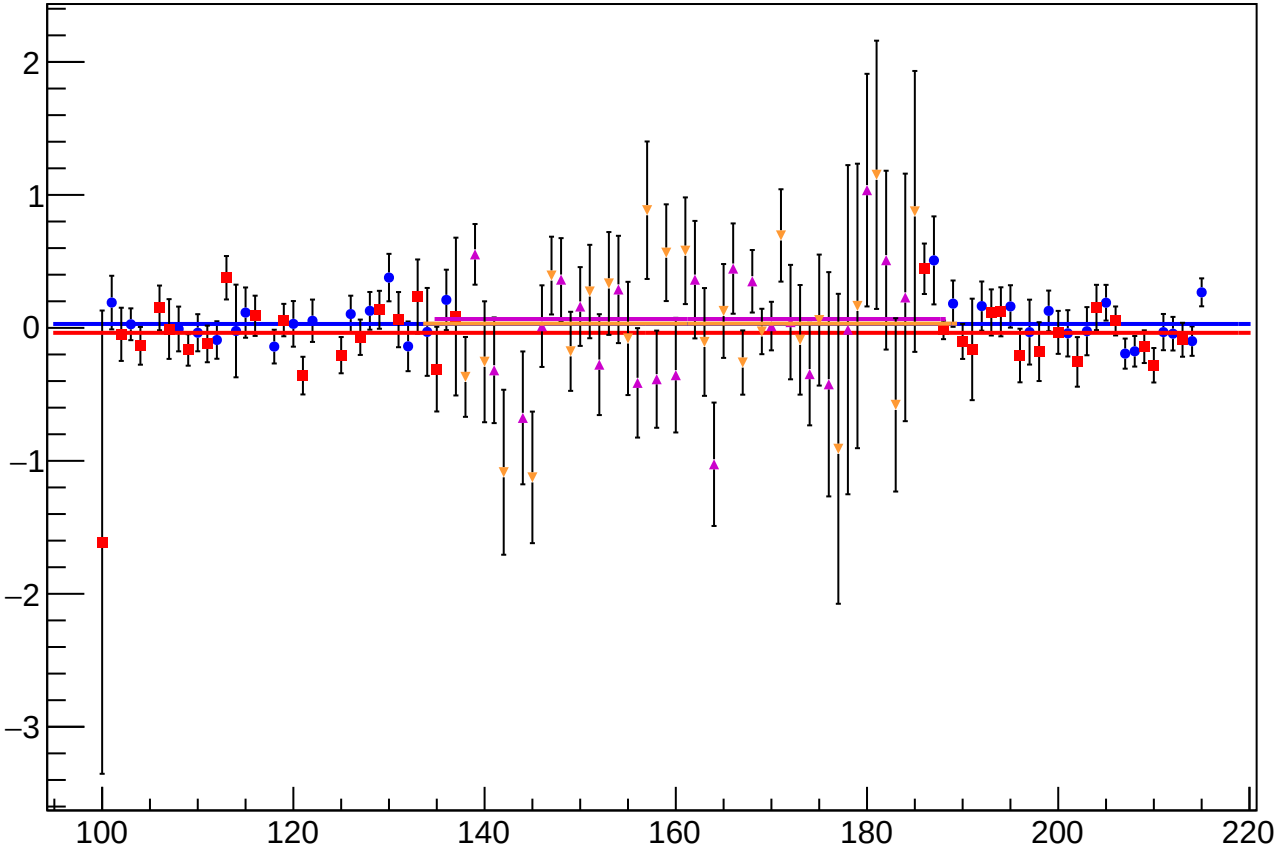
Right: 109.245+/-0.013 χ^2/NDF: 5977890.7/63

In: 135.421+/-0.018 χ^2/NDF:17259334.5/53

Out: 125.149+/-0.018 χ^2/NDF:20423730.8/56

All: 130.106+/-0.013 χ^2/NDF: 37847351.0/1

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.027 χ^2/NDF: 30.1/30

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.037+/-0.026 χ^2/NDF: 39.3/32

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

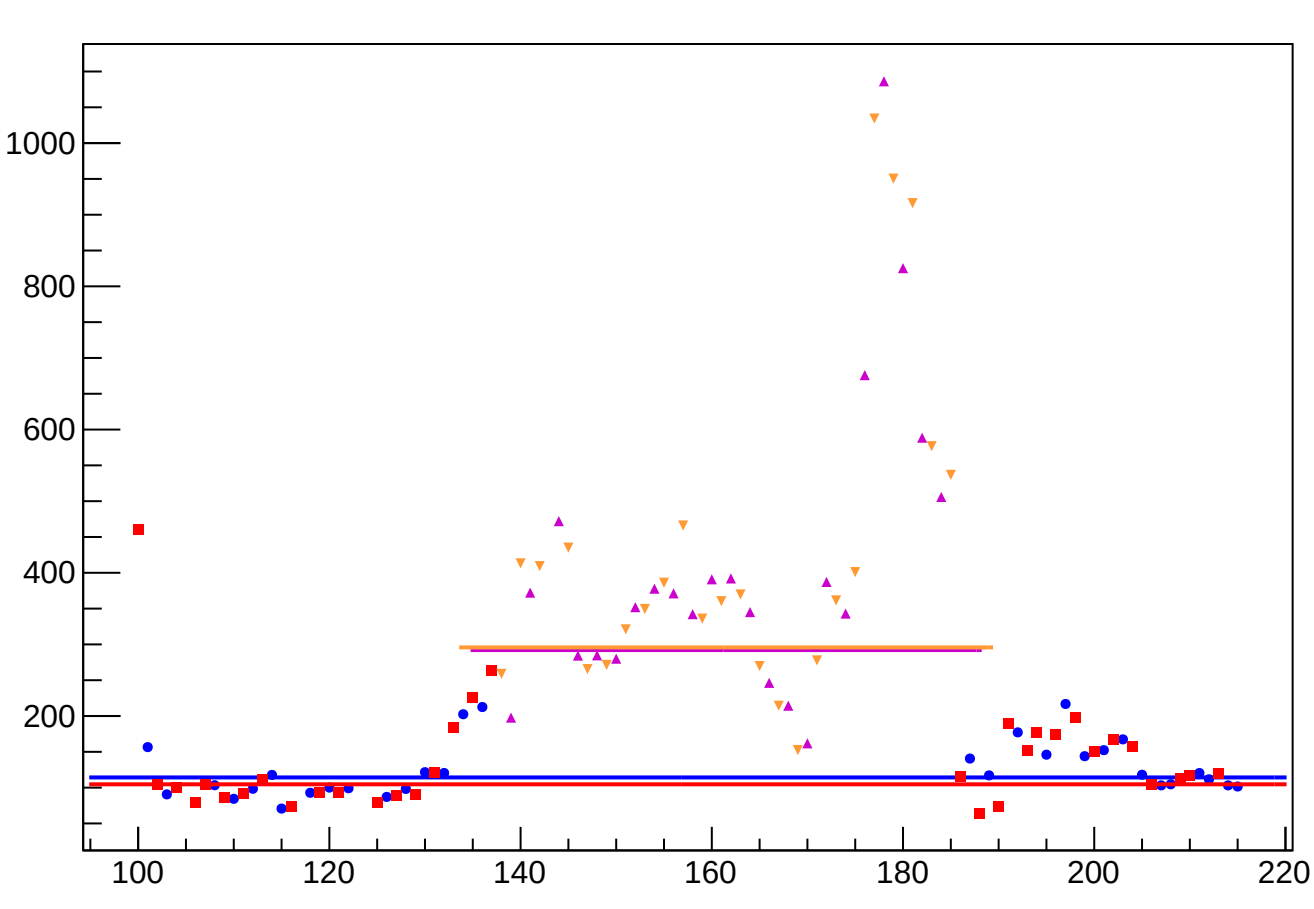
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.005+/-0.019 χ^2/NDF: 72.5/63

In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: 0.001+/-0.018 χ^2/NDF: 128.9/110



Right In: 114.249+/-0.019 χ^2/NDF: 2221614.1/30

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 104.640+/-0.019 χ^2/NDF: 3628791.2/32

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

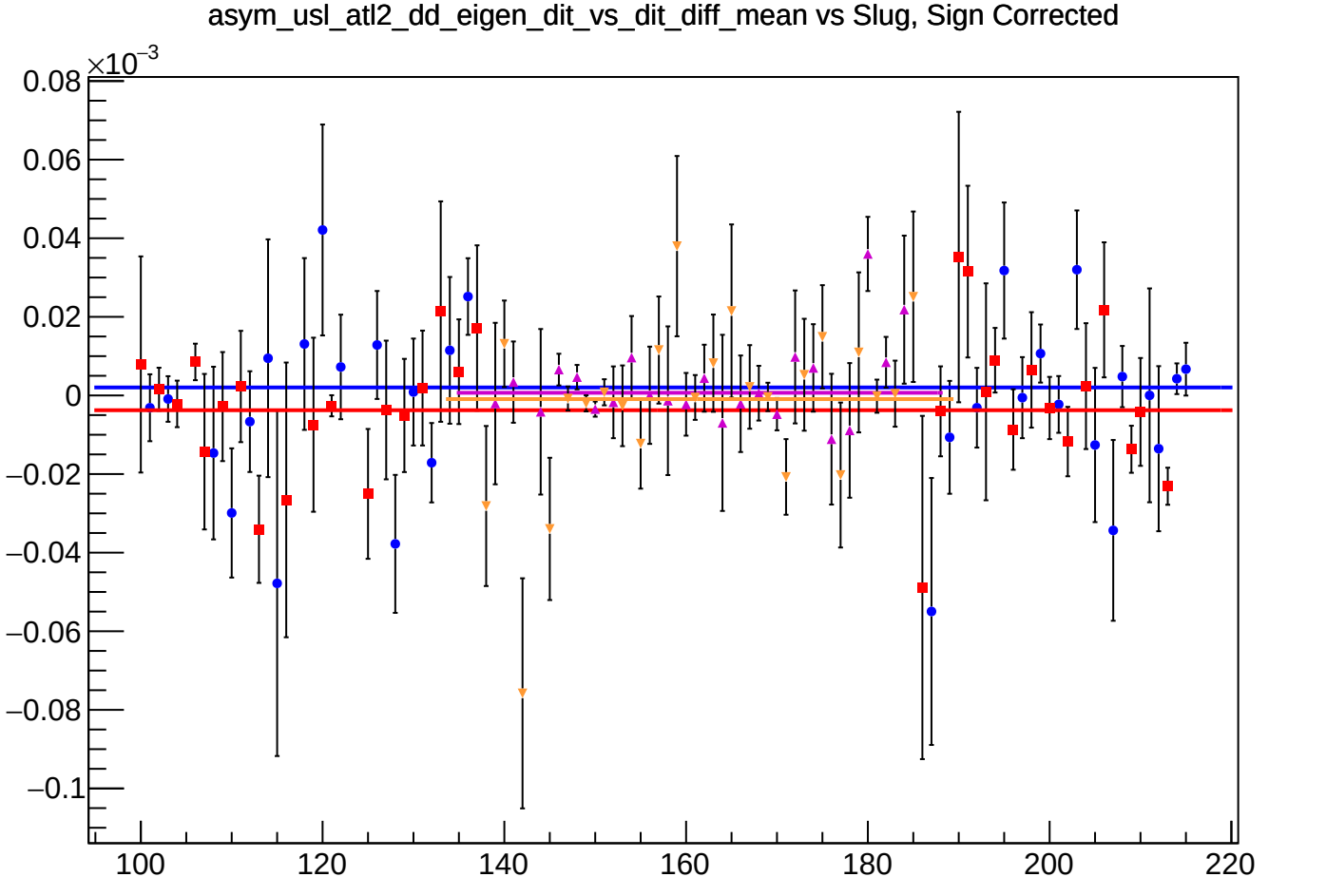
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 109.245+/-0.013 χ^2/NDF: 5977890.7/63

In: 135.421+/-0.018 χ^2/NDF:17259334.5/53

Out: 125.149+/-0.018 χ^2/NDF:20423730.8/56

All: 130.106+/-0.013 χ^2/NDF: 37847351.0/1



Right In: 0.000+/-0.000 χ^2/NDF: 41.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 49.1/32

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

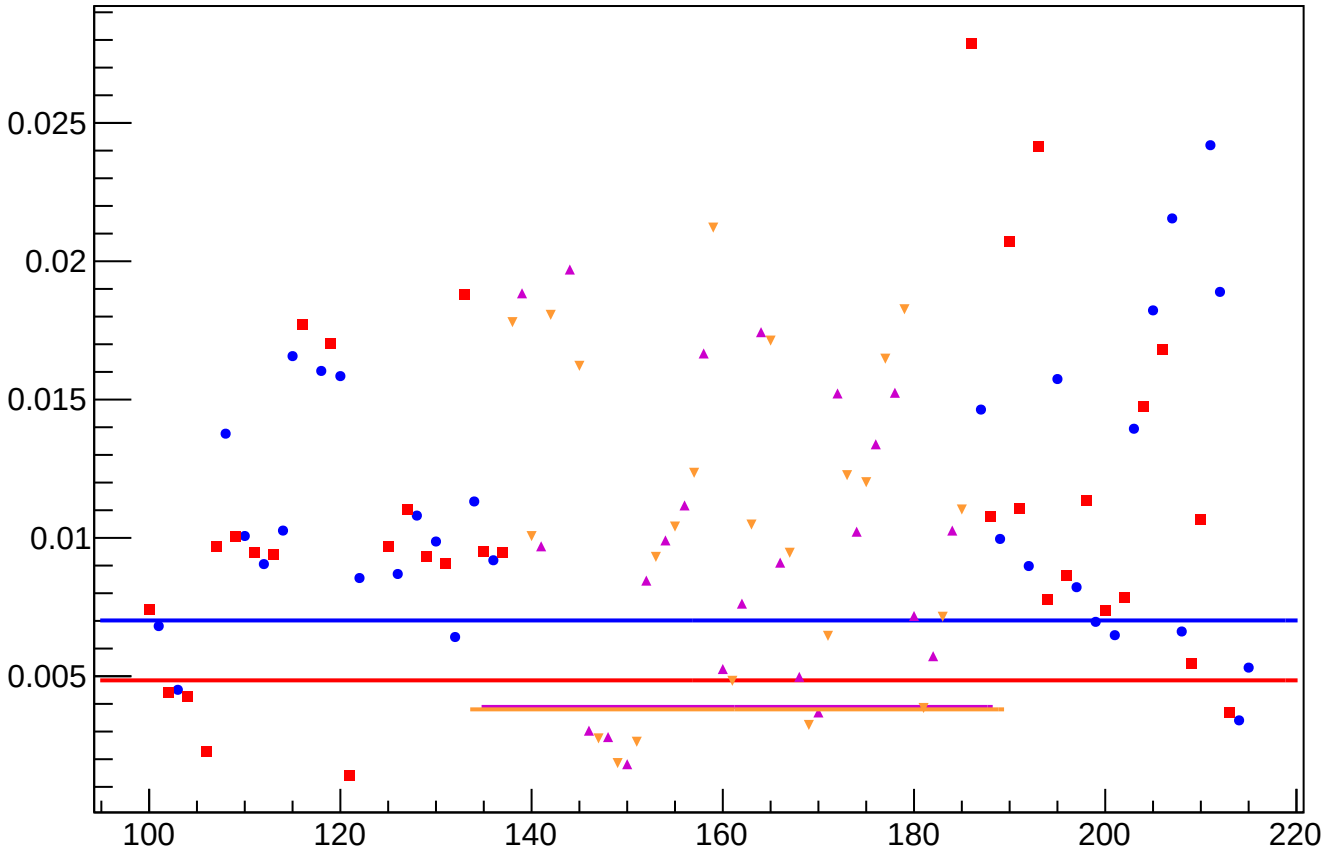
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 96.7/63

In: 0.000+/-0.000 χ^2/NDF:71.9/53

Out: -0.000+/-0.000 χ^2/NDF:80.3/56

All: -0.000+/-0.000 χ^2/NDF: 157.3/110



Right In: 0.007+/-0.000 χ^2/NDF: 7769555.4/30

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 13482453.5/32

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

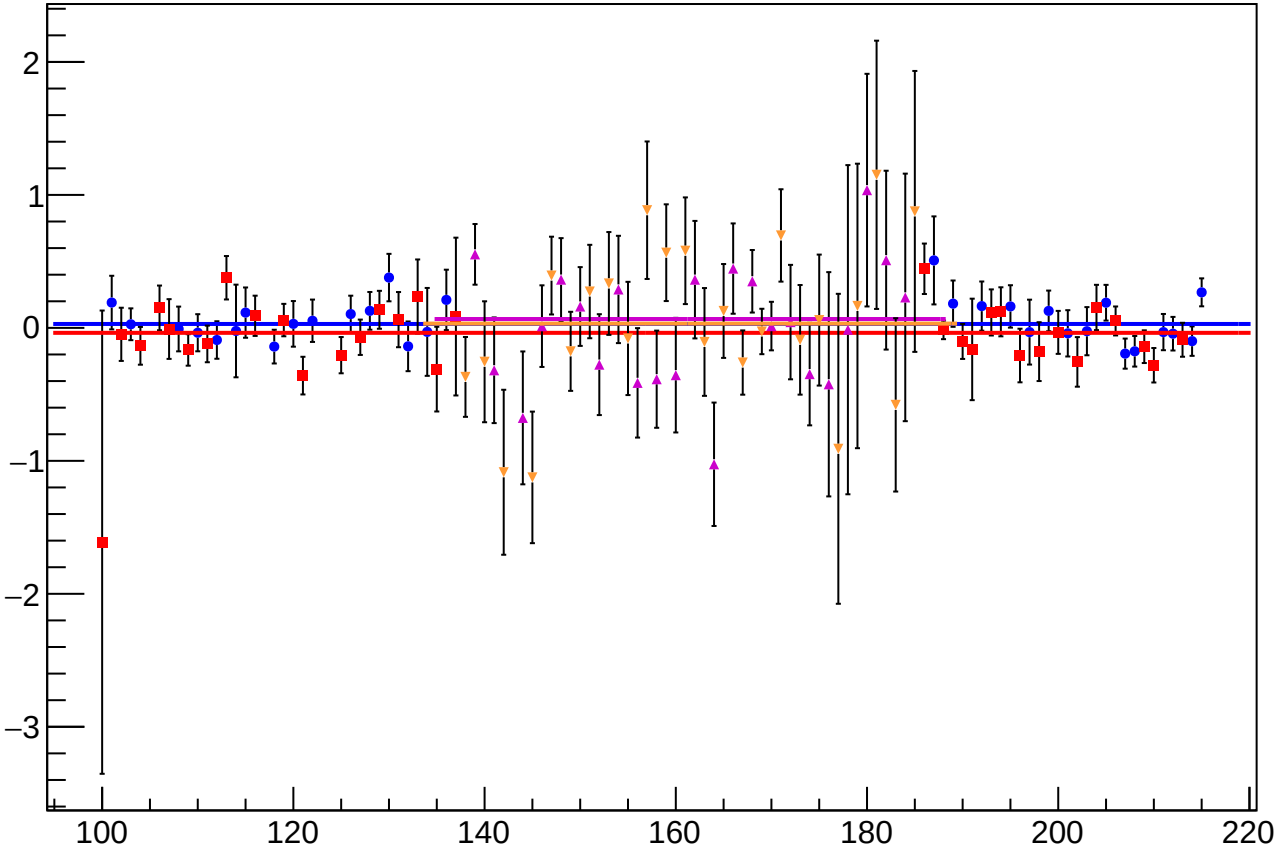
Right: 0.006+/-0.000 χ^2/NDF: 22891190.4/63

In: 0.005+/-0.000 χ^2/NDF:25178743.1/53

Out: 0.004+/-0.000 χ^2/NDF:28710808.5/56

All: 0.004+/-0.000 χ^2/NDF: 54298588.2/110

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.027 χ^2/NDF: 30.1/30

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.037+/-0.026 χ^2/NDF: 39.3/32

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

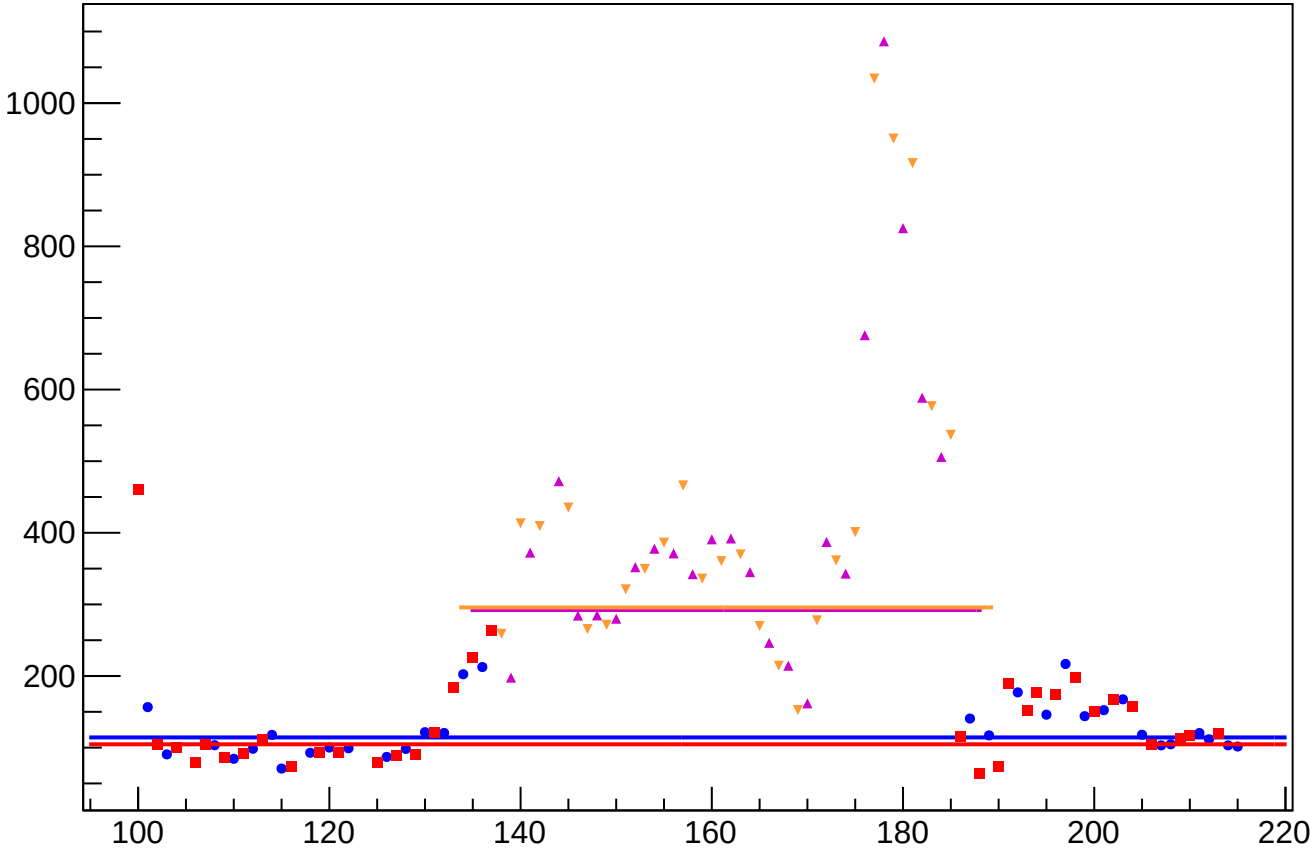
Right: -0.005+/-0.019 χ^2/NDF: 72.5/63

In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: 0.001+/-0.018 χ^2/NDF: 128.9/110

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.250+/-0.019 χ^2/NDF: 2221589.8/30

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 104.638+/-0.019 χ^2/NDF: 3628971.4/32

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

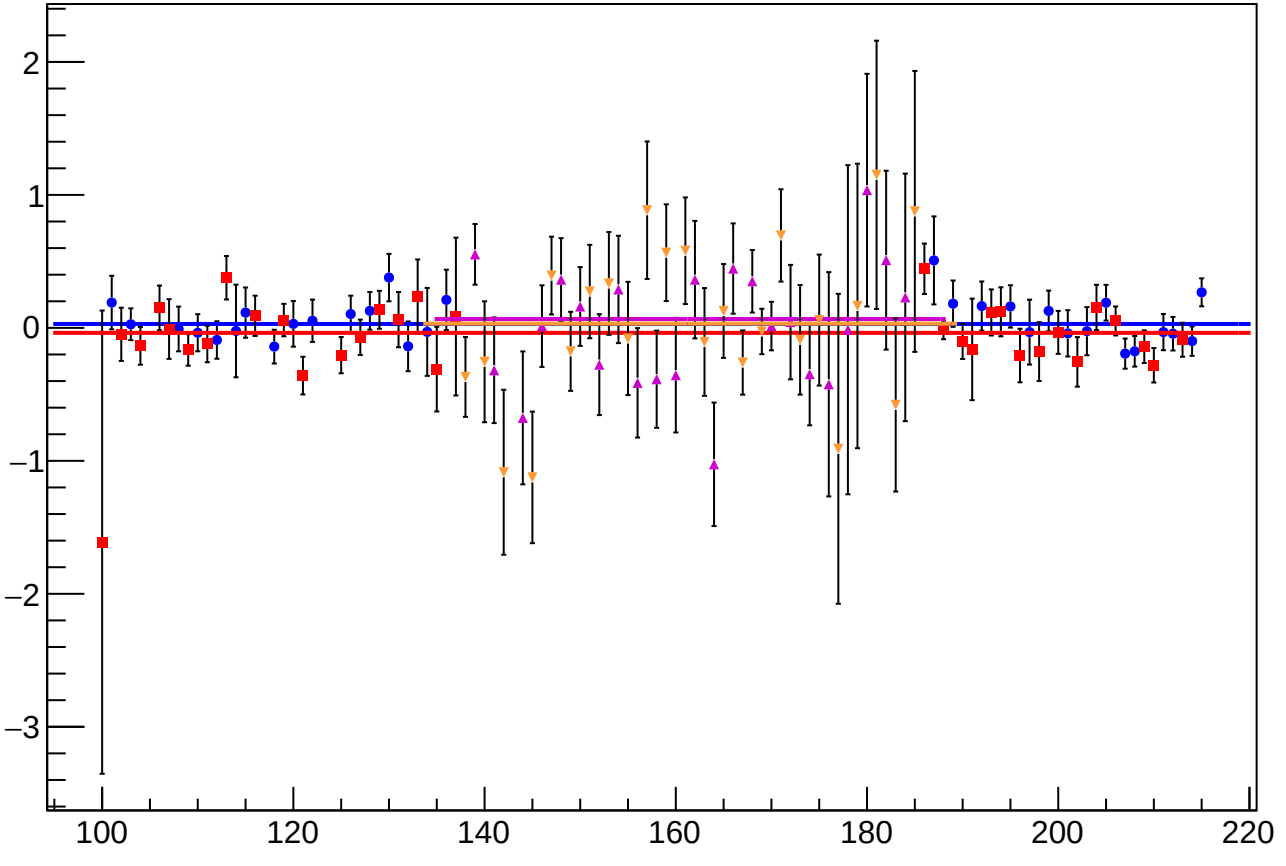
Right: 109.244+/-0.013 χ^2/NDF: 5978089.1/63

In: 135.421+/-0.018 χ^2/NDF:17259413.5/53

Out: 125.148+/-0.018 χ^2/NDF:20424219.8/56

All: 130.105+/-0.013 χ^2/NDF: 37847979.6/1

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.027 χ^2/NDF: 30.1/30

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.037+/-0.026 χ^2/NDF: 39.3/32

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

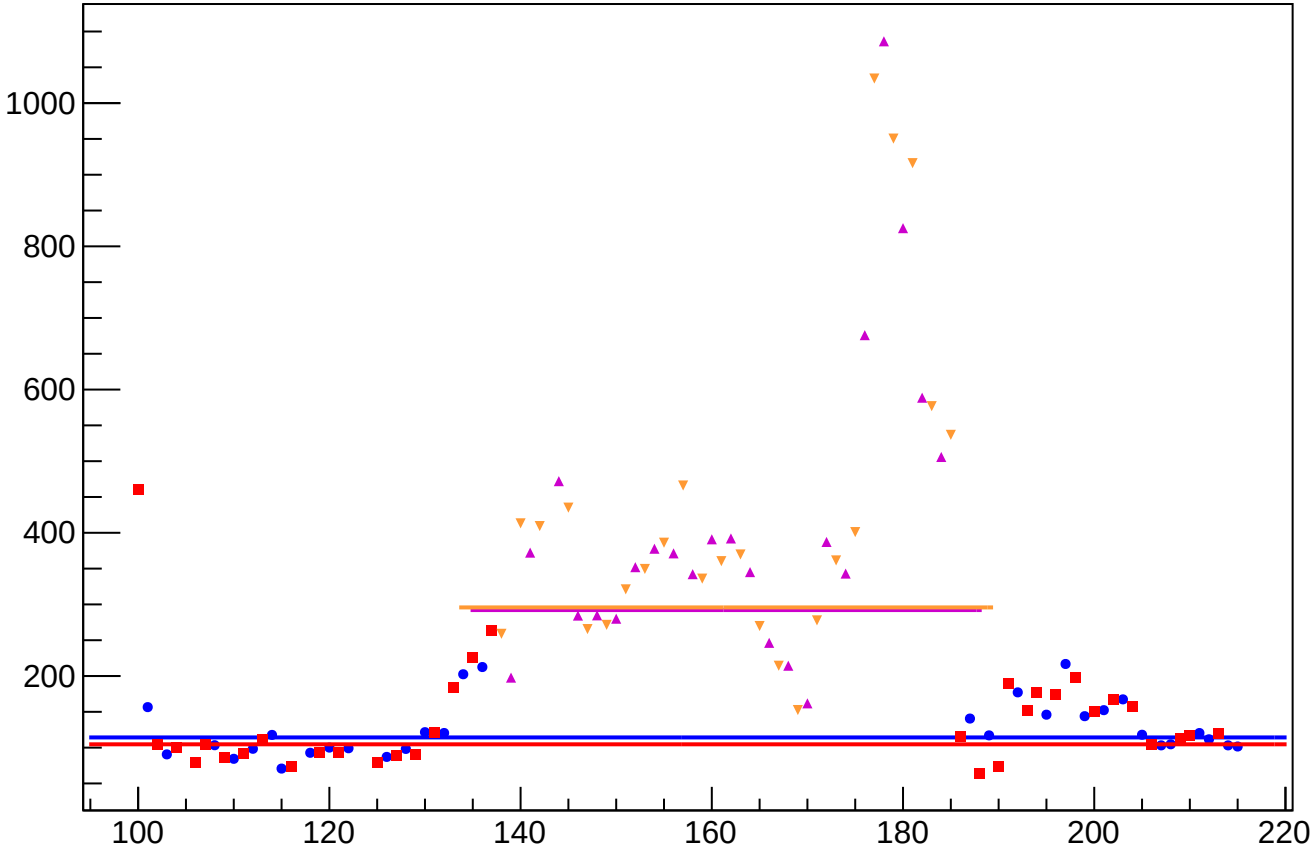
Right: -0.005+/-0.019 χ^2/NDF: 72.5/63

In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.030+/-0.025 χ^2/NDF:69.8/56

All: 0.001+/-0.018 χ^2/NDF: 128.9/110

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 114.250+/-0.019 χ^2/NDF: 2221589.8/30

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 104.638+/-0.019 χ^2/NDF: 3628971.4/32

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

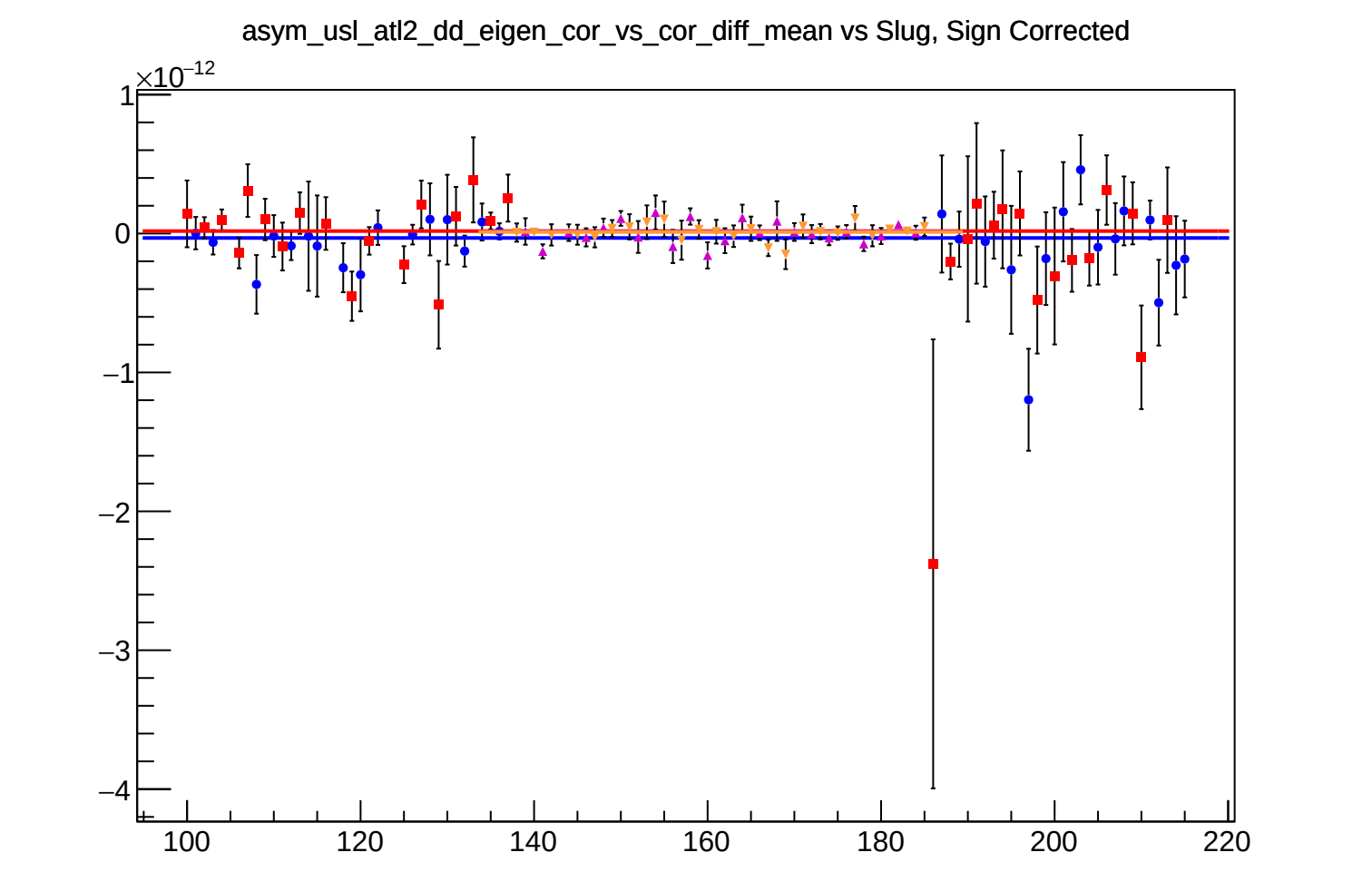
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 109.244+/-0.013 χ^2/NDF: 5978089.1/63

In: 135.421+/-0.018 χ^2/NDF:17259413.5/53

Out: 125.148+/-0.018 χ^2/NDF:20424219.8/56

All: 130.105+/-0.013 χ^2/NDF: 37847979.6/1



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 44.7/32

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

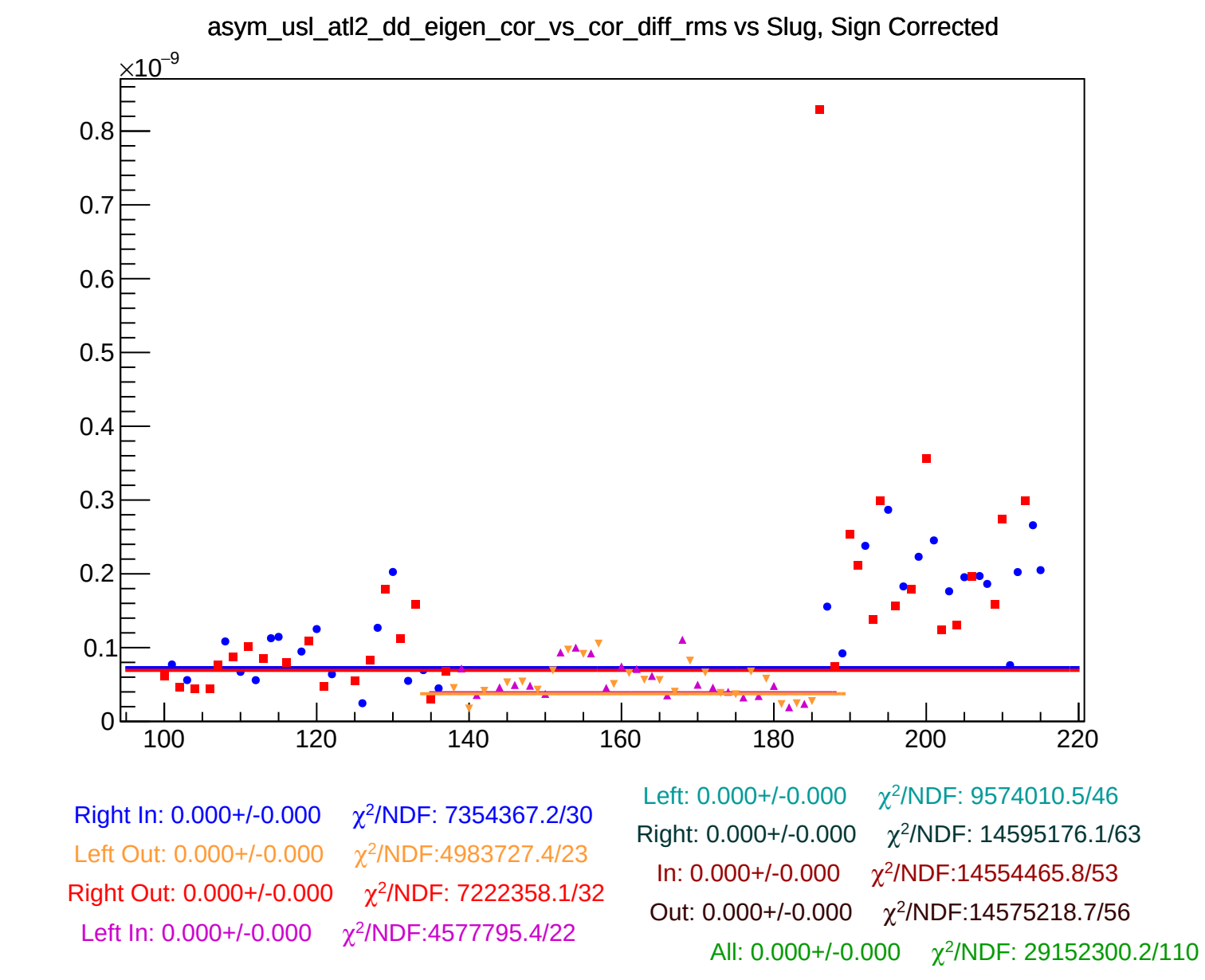
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

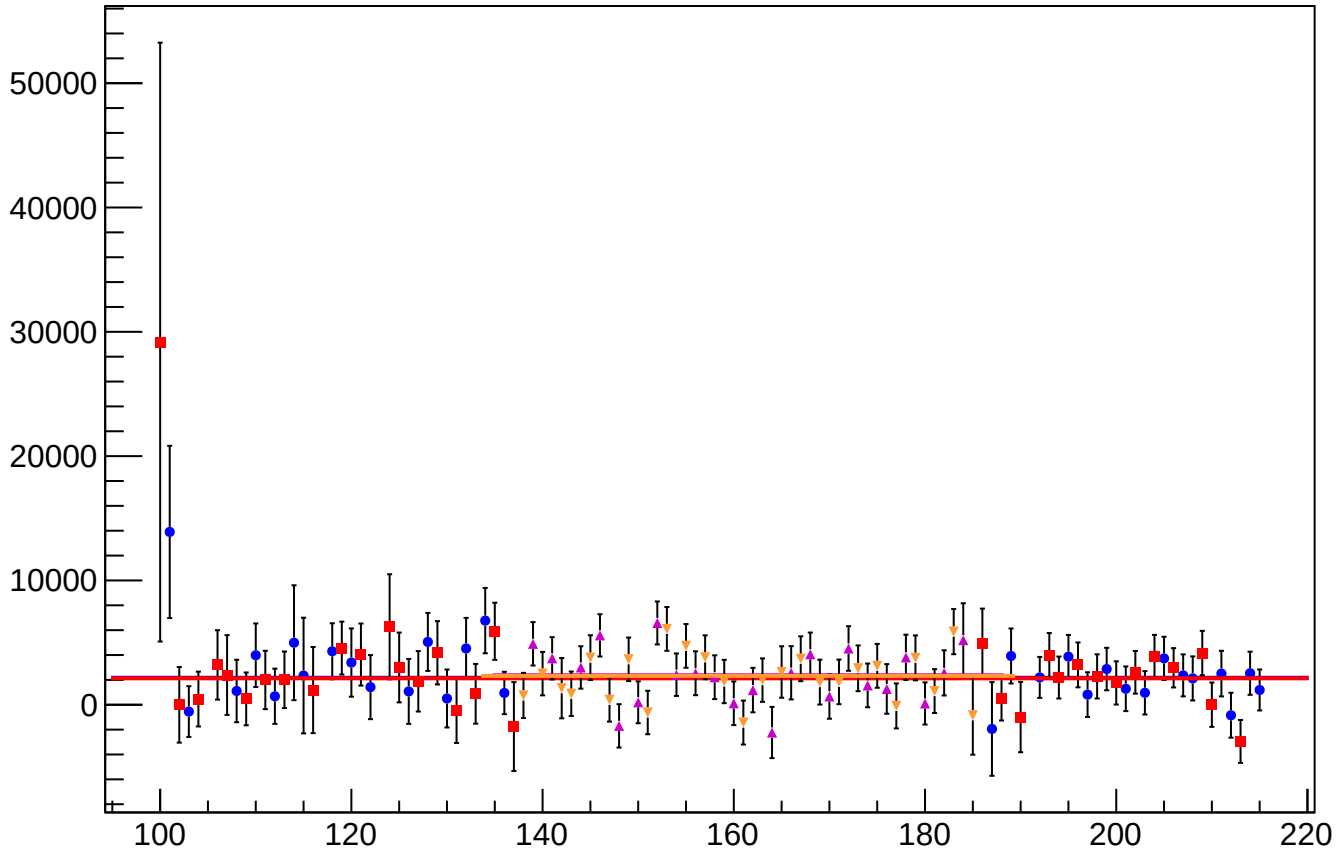
Right: -0.000+/-0.000 χ^2/NDF: 74.3/63

In: 0.000+/-0.000 χ^2/NDF:61.2/53

Out: 0.000+/-0.000 χ^2/NDF:55.4/56

All: 0.000+/-0.000 χ^2/NDF: 116.7/110


asym_usl_atl2_dd_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: 7354367.2/30
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 7222358.1/32
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
Left: 0.000+/-0.000 χ²/NDF: 9574010.5/46
Right: 0.000+/-0.000 χ²/NDF: 14595176.1/63
In: 0.000+/-0.000 χ²/NDF:14554465.8/53
Out: 0.000+/-0.000 χ²/NDF:14575218.7/56
All: 0.000+/-0.000 χ²/NDF: 29152300.2/110



Right In: 2169.244+/-375.719 χ^2/NDF: 22.3/30

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2126.102+/-380.501 χ^2/NDF: 29.1/32

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

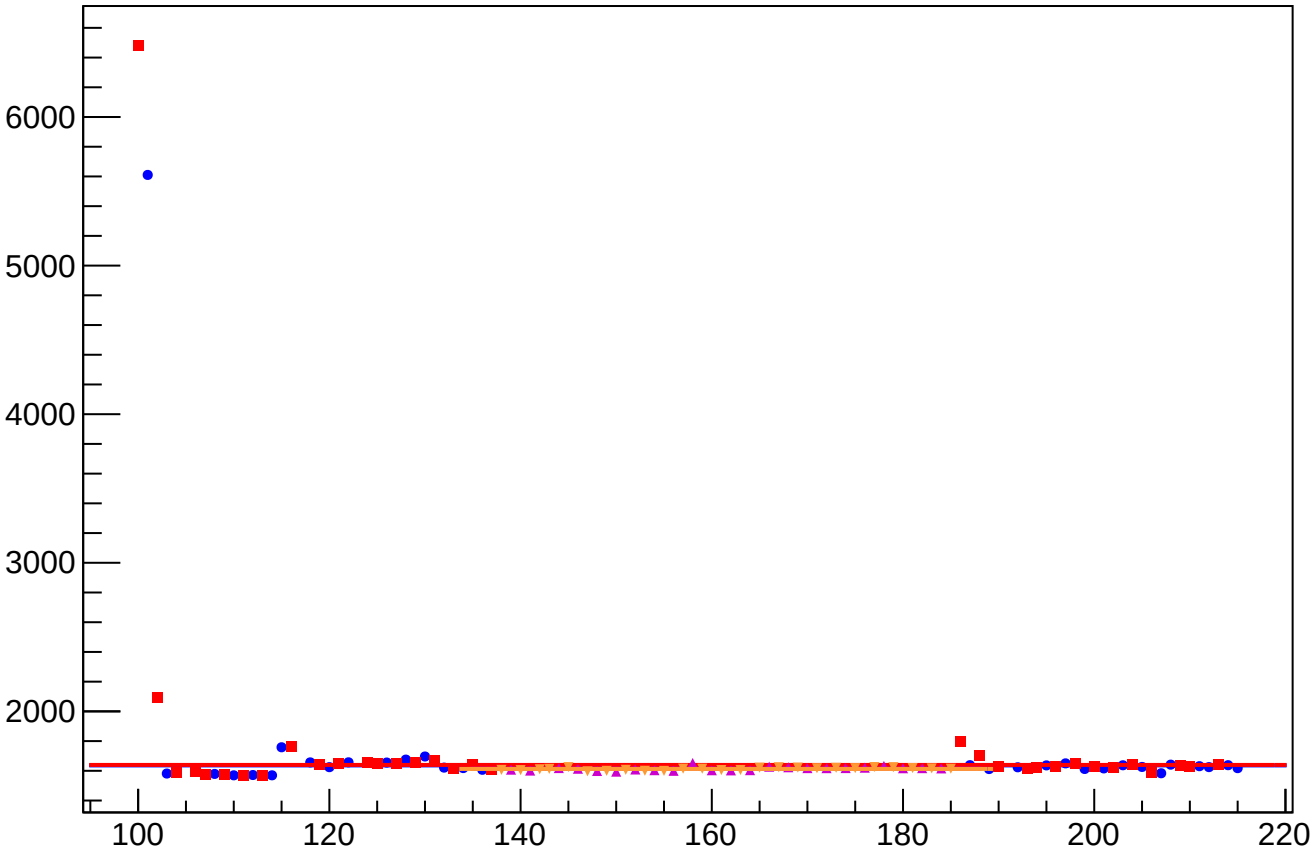
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2147.946+/-267.348 χ^2/NDF: 51.4/63

In: 2269.648+/-266.054 χ^2/NDF:56.2/53

Out: 2227.290+/-263.891 χ^2/NDF:56.7/57

All: 2248.296+/-187.359 χ^2/NDF: 112.9/111



Right In: 1636.381+/-0.266 χ^2/NDF: 671813.7/30

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.612+/-0.269 χ^2/NDF: 148772.4/32

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

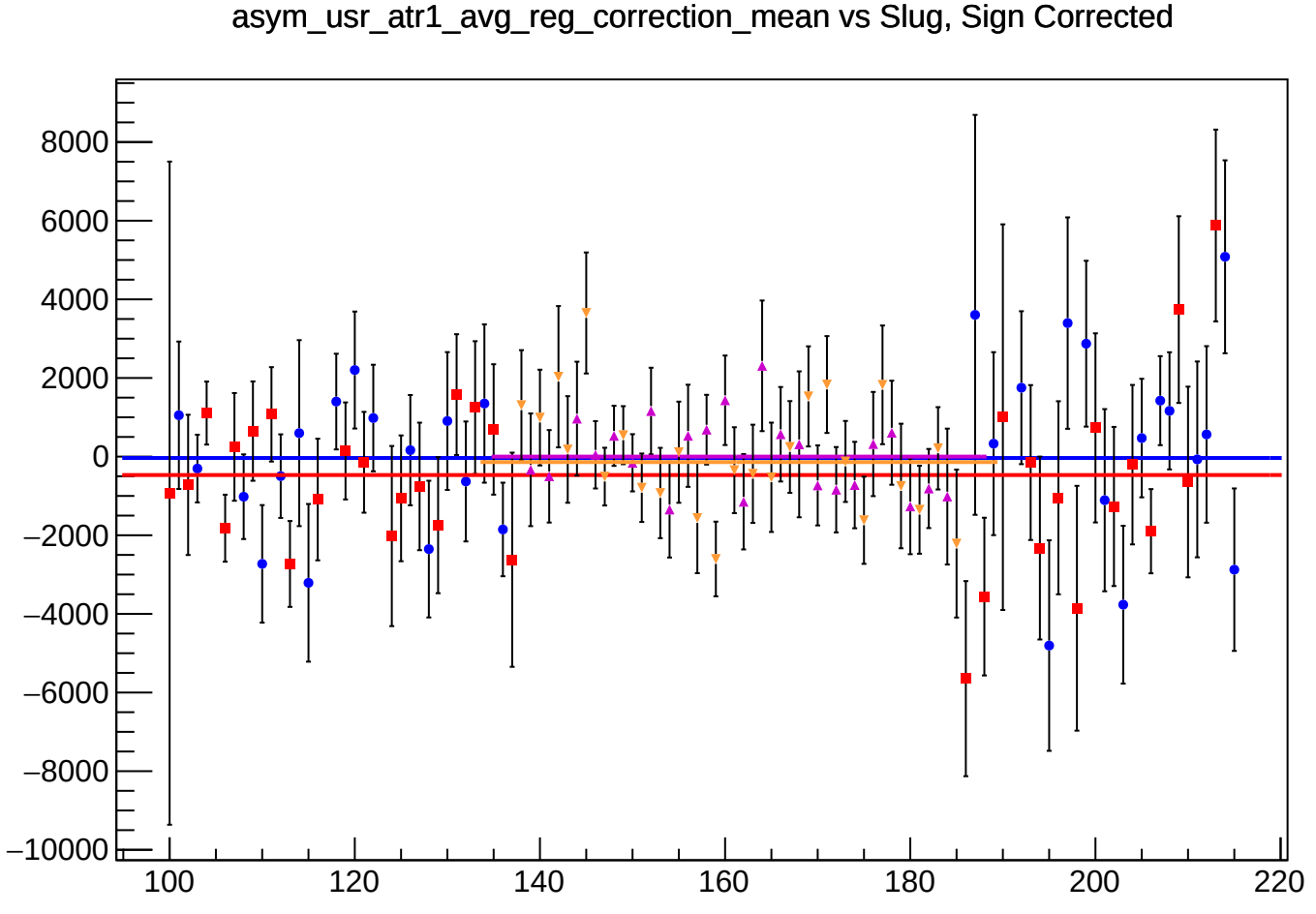
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.976+/-0.189 χ^2/NDF: 820659.1/63

In: 1625.119+/-0.188 χ^2/NDF:677772.1/53

Out: 1625.596+/-0.187 χ^2/NDF:155173.2/57

All: 1625.360+/-0.132 χ^2/NDF: 832948.6/111



Right In: -35.019+/-284.734 χ^2/NDF: 37.0/30

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -468.559+/-272.964 χ^2/NDF: 39.8/32

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

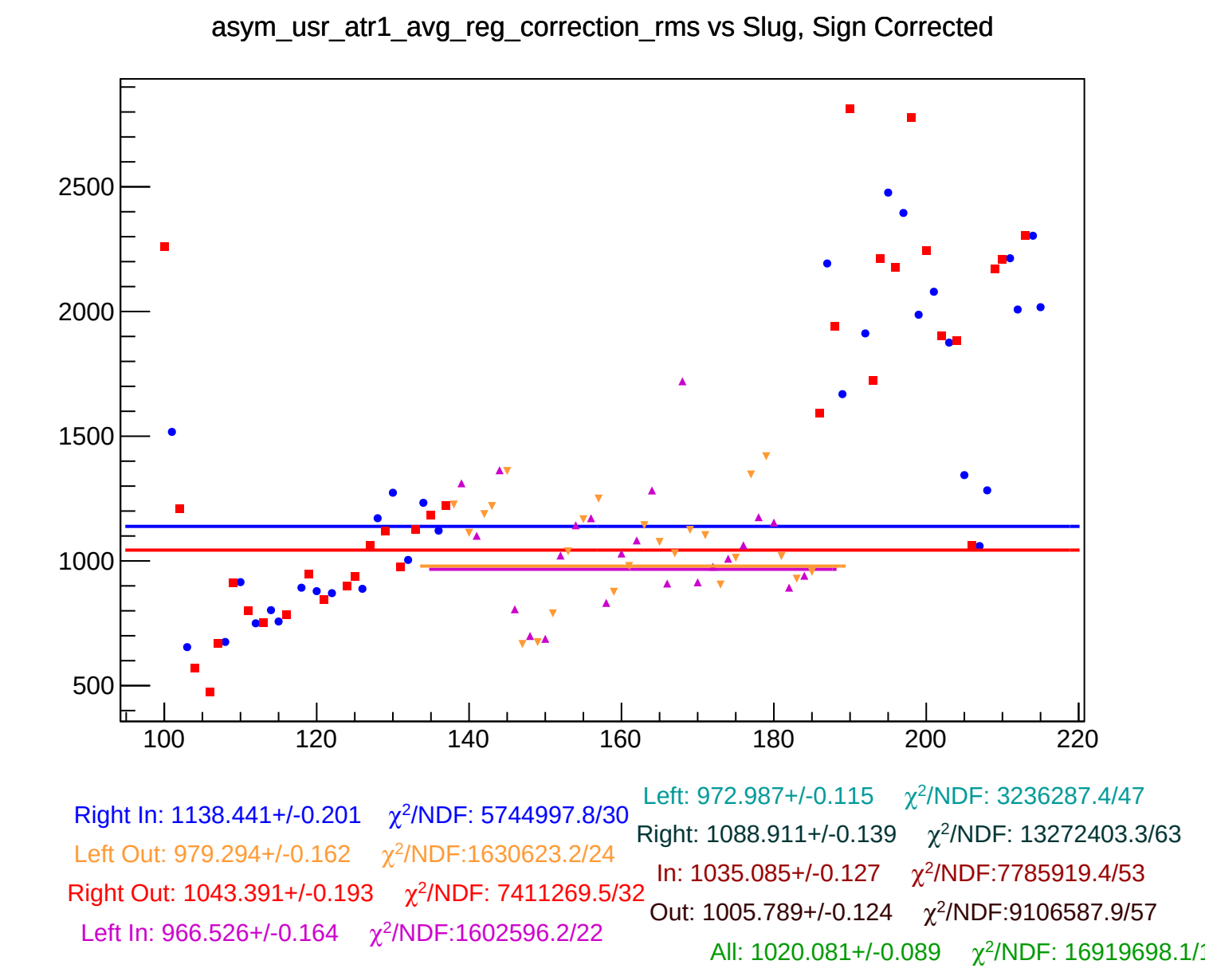
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

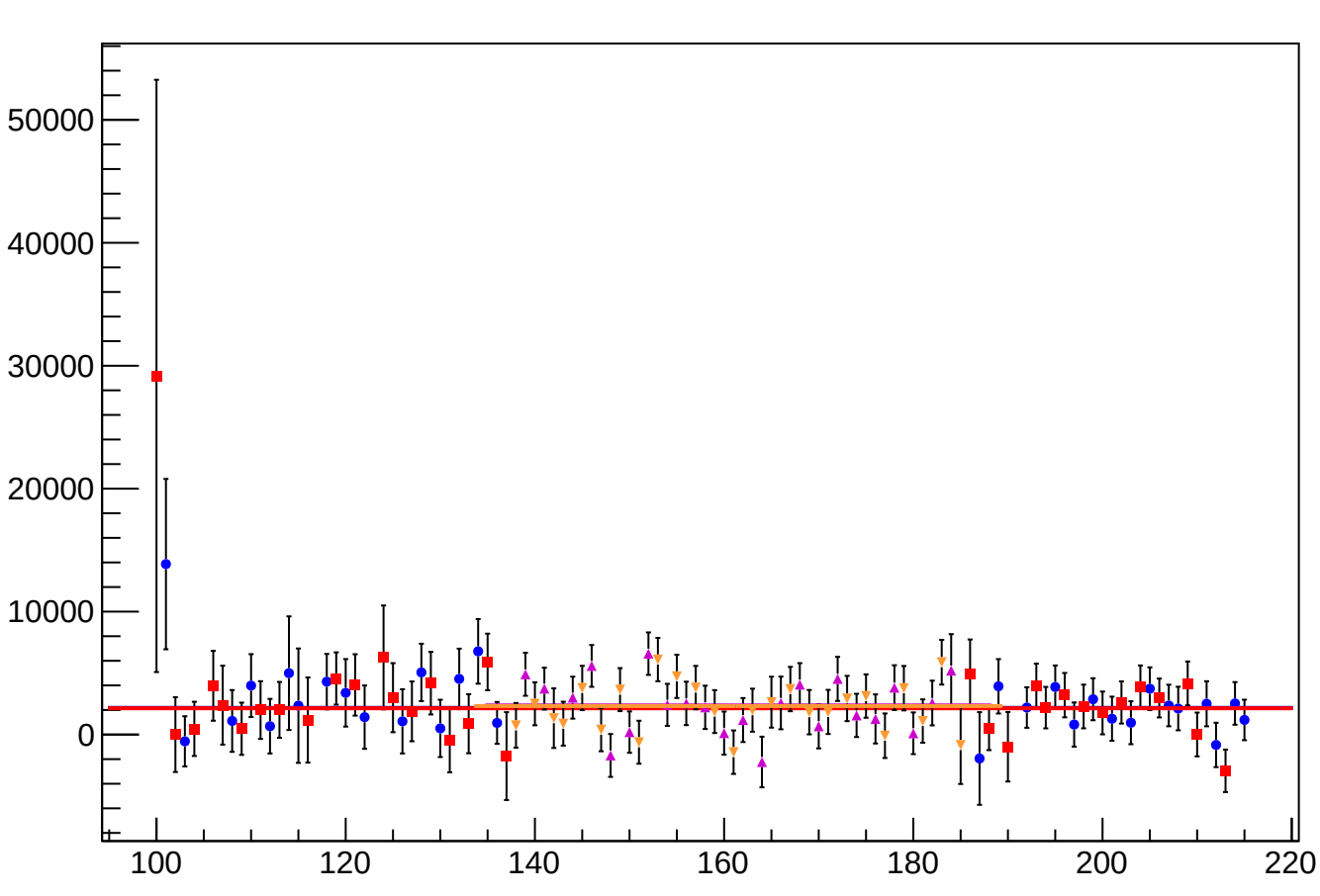
Right: -260.935+/-197.044 χ^2/NDF: 78.0/63

In: -14.021+/-179.811 χ^2/NDF:49.9/53

Out: -275.236+/-175.495 χ^2/NDF:70.8/57

All: -147.801+/-125.592 χ^2/NDF: 121.8/111


asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1138.441+/-0.201 χ²/NDF: 5744997.8/30
Left Out: 979.294+/-0.162 χ²/NDF:1630623.2/24
Right Out: 1043.391+/-0.193 χ²/NDF: 7411269.5/32
Left In: 966.526+/-0.164 χ²/NDF:1602596.2/22
Left: 972.987+/-0.115 χ²/NDF: 3236287.4/47
Right: 1088.911+/-0.139 χ²/NDF: 13272403.3/63
In: 1035.085+/-0.127 χ²/NDF:7785919.4/53
Out: 1005.789+/-0.124 χ²/NDF:9106587.9/57
All: 1020.081+/-0.089 χ²/NDF: 16919698.1/1



Right In: 2169.019+/-375.719 χ^2/NDF: 22.3/30

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2139.223+/-380.623 χ^2/NDF: 29.4/32

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

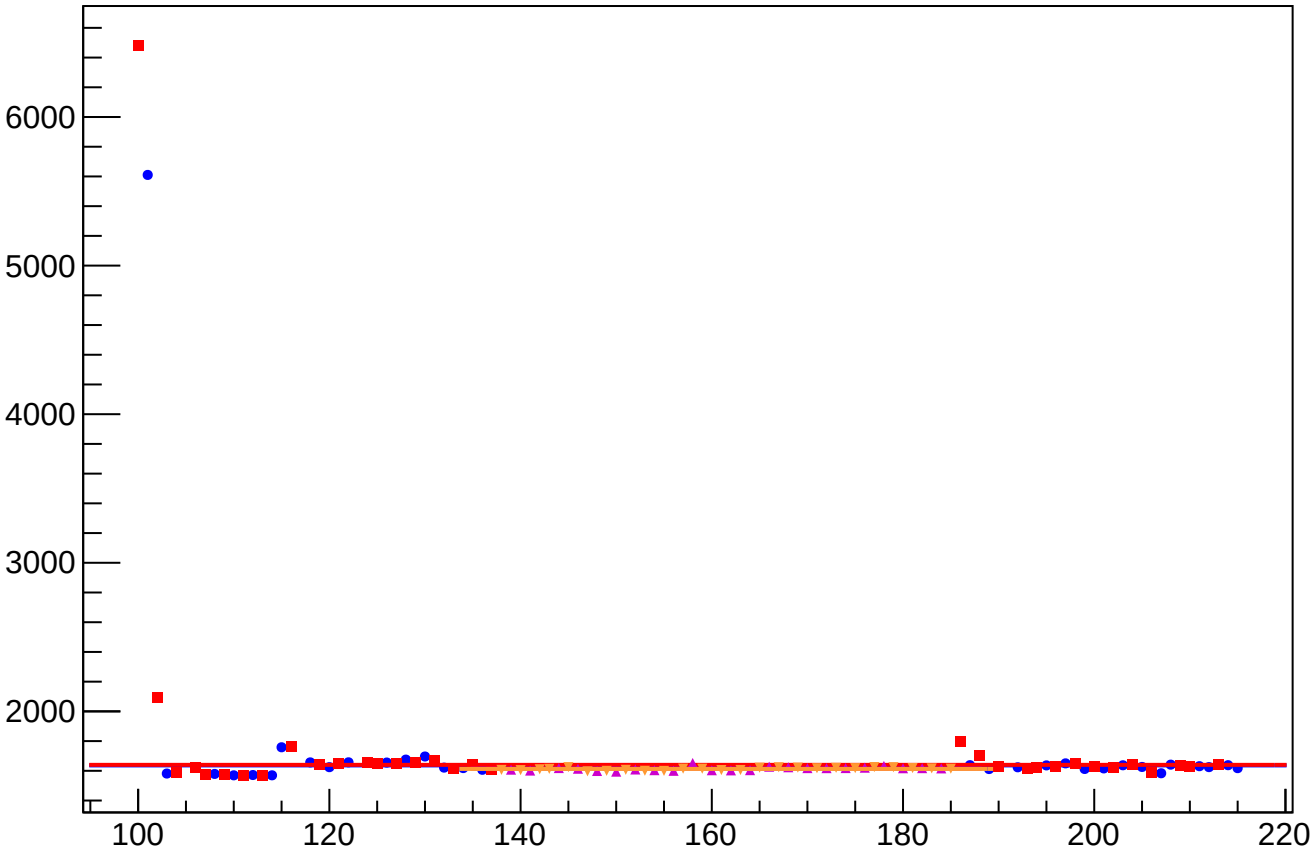
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2154.314+/-267.390 χ^2/NDF: 51.7/63

In: 2269.571+/-266.054 χ^2/NDF:56.2/53

Out: 2233.608+/-263.932 χ^2/NDF:57.0/57

All: 2251.445+/-187.374 χ^2/NDF: 113.2/111



Right In: 1636.381+/-0.266 χ^2/NDF: 671813.3/30

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.117+/-0.269 χ^2/NDF: 148316.6/32

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

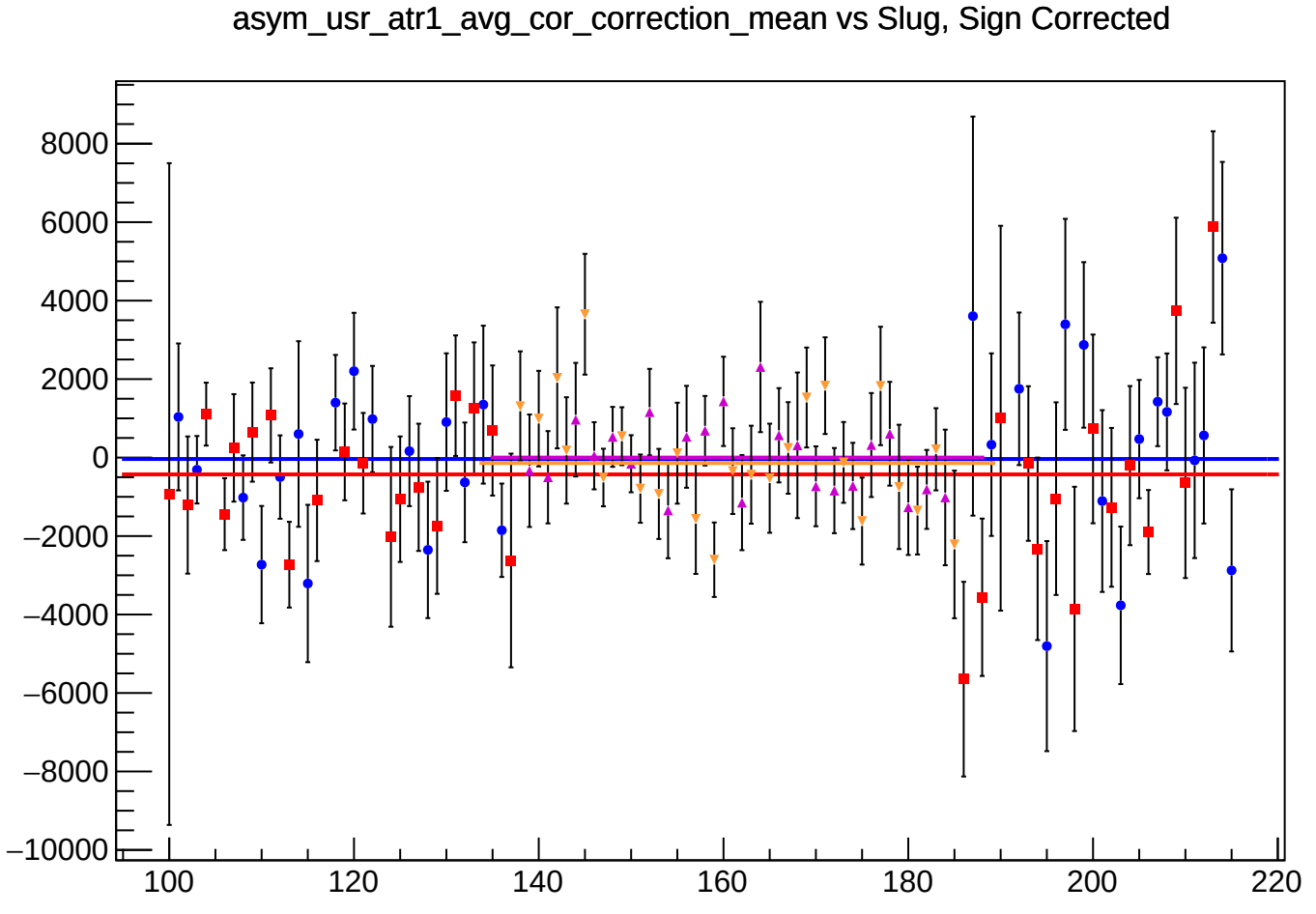
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1638.224+/-0.189 χ^2/NDF: 820227.5/63

In: 1625.119+/-0.188 χ^2/NDF:677771.7/53

Out: 1625.835+/-0.187 χ^2/NDF:154913.1/57

All: 1625.480+/-0.132 χ^2/NDF: 832692.1/111



Right In: -35.971+/-284.708 χ^2/NDF: 37.0/30

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -427.995+/-274.797 χ^2/NDF: 38.6/32

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

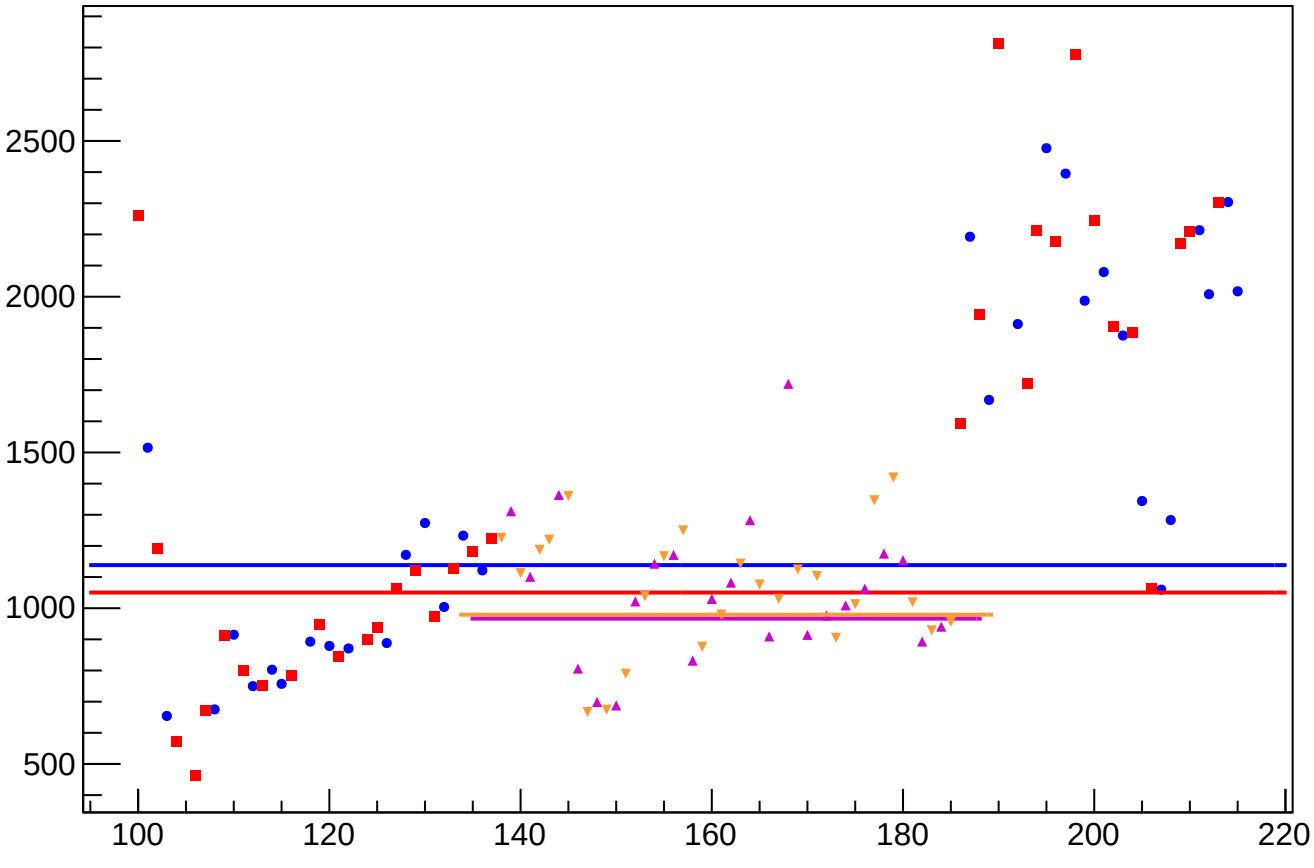
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -238.925+/-197.722 χ^2/NDF: 76.6/63

In: -14.387+/-179.805 χ^2/NDF:49.9/53

Out: -257.562+/-175.979 χ^2/NDF:69.4/57

All: -138.590+/-125.767 χ^2/NDF: 120.2/111



Right In: 1138.327+/-0.201 χ^2/NDF: 5745894.1/30

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1050.338+/-0.194 χ^2/NDF: 7312954.2/32

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

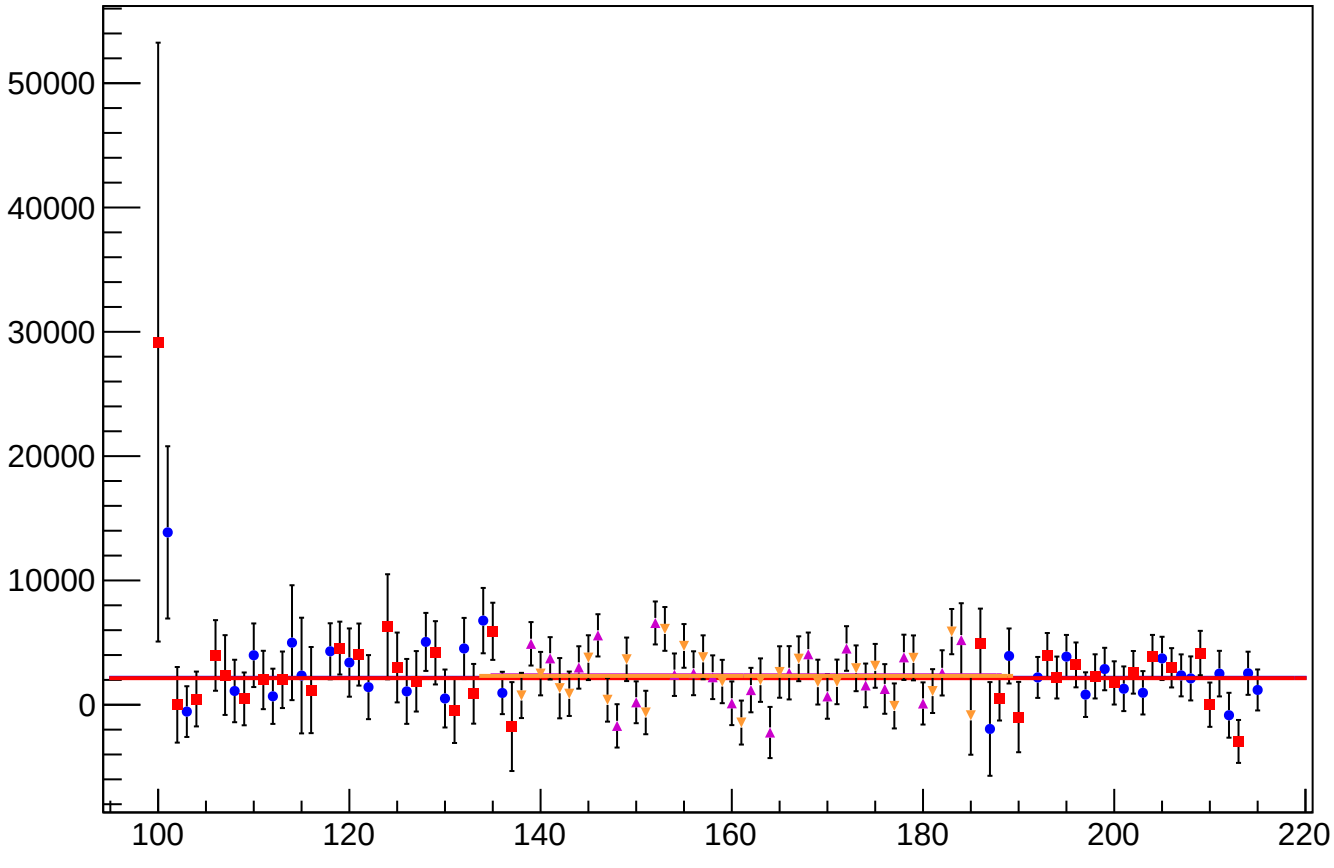
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1092.774+/-0.140 χ^2/NDF: 13157741.7/63

In: 1035.051+/-0.127 χ^2/NDF:7786219.0/53

Out: 1008.426+/-0.124 χ^2/NDF:9022554.3/57

All: 1021.452+/-0.089 χ^2/NDF: 16831171.5/1



Right In: 2169.019+/-375.719 χ^2/NDF: 22.3/30

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2139.223+/-380.623 χ^2/NDF: 29.4/32

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

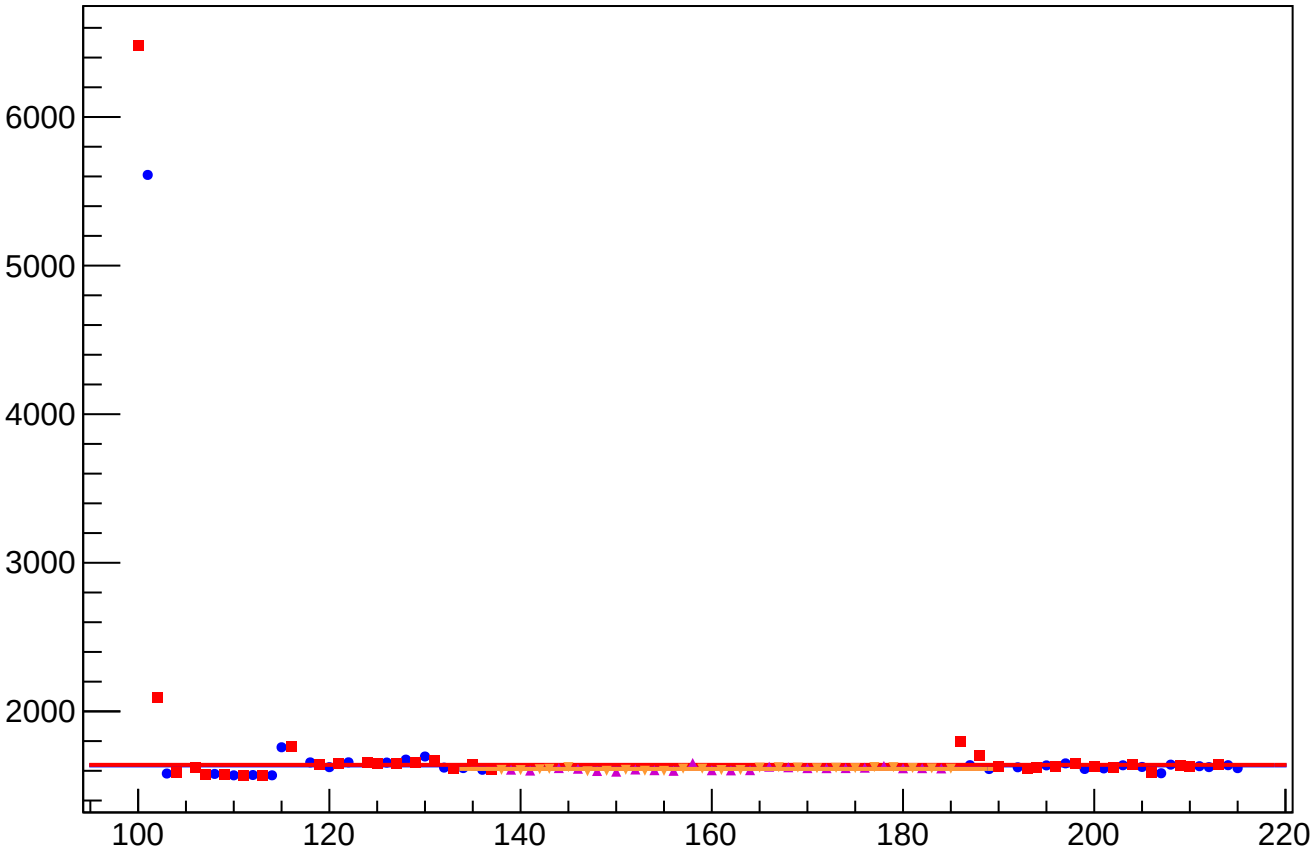
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2154.314+/-267.390 χ^2/NDF: 51.7/63

In: 2269.571+/-266.054 χ^2/NDF:56.2/53

Out: 2233.608+/-263.932 χ^2/NDF:57.0/57

All: 2251.445+/-187.374 χ^2/NDF: 113.2/111



Right In: 1636.381+/-0.266 χ^2/NDF: 671813.3/30

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.117+/-0.269 χ^2/NDF: 148316.6/32

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

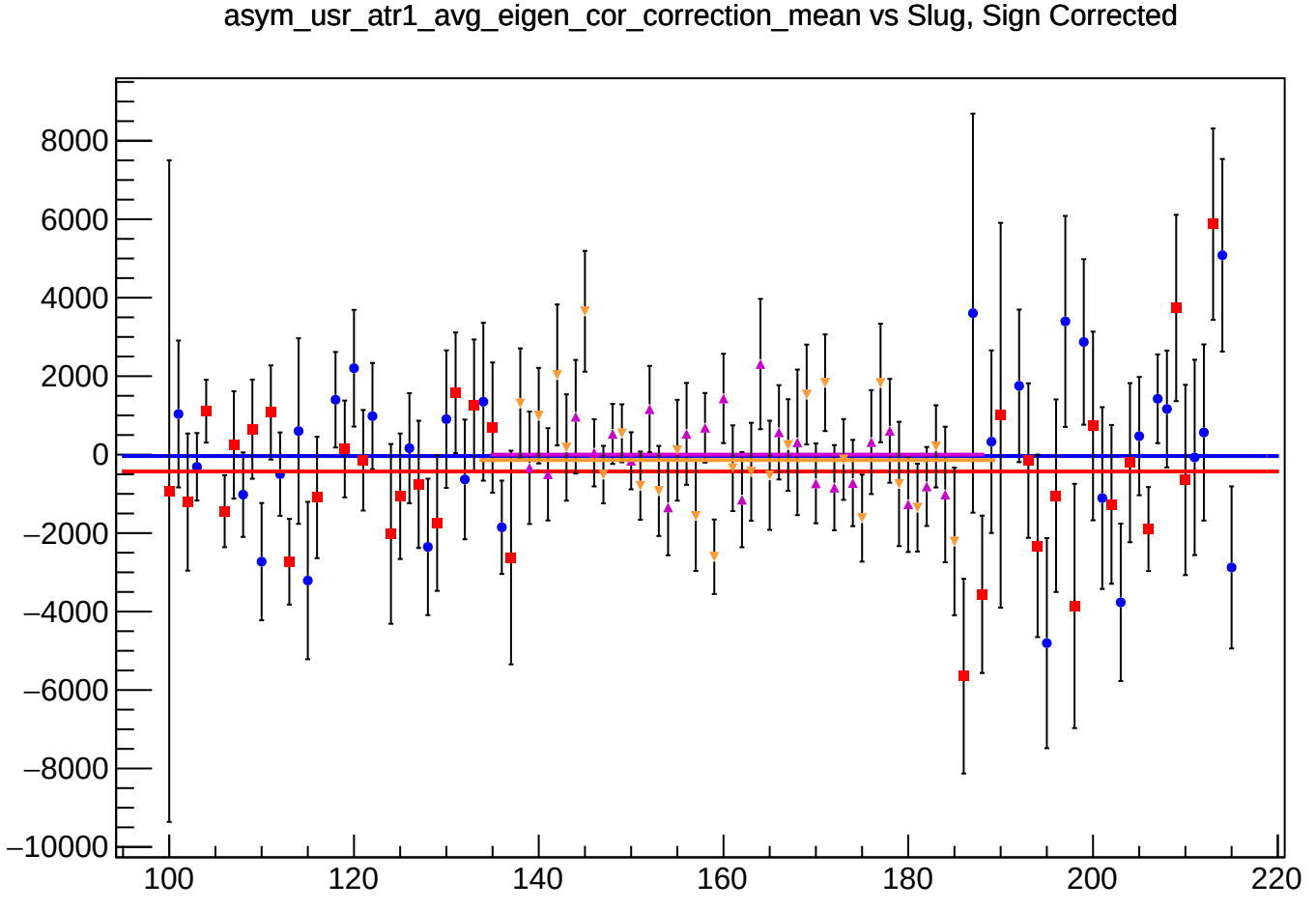
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1638.224+/-0.189 χ^2/NDF: 820227.5/63

In: 1625.119+/-0.188 χ^2/NDF:677771.7/53

Out: 1625.835+/-0.187 χ^2/NDF:154913.1/57

All: 1625.480+/-0.132 χ^2/NDF: 832692.1/111



Right In: -35.971+/-284.708 χ^2/NDF: 37.0/30

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -427.995+/-274.797 χ^2/NDF: 38.6/32

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

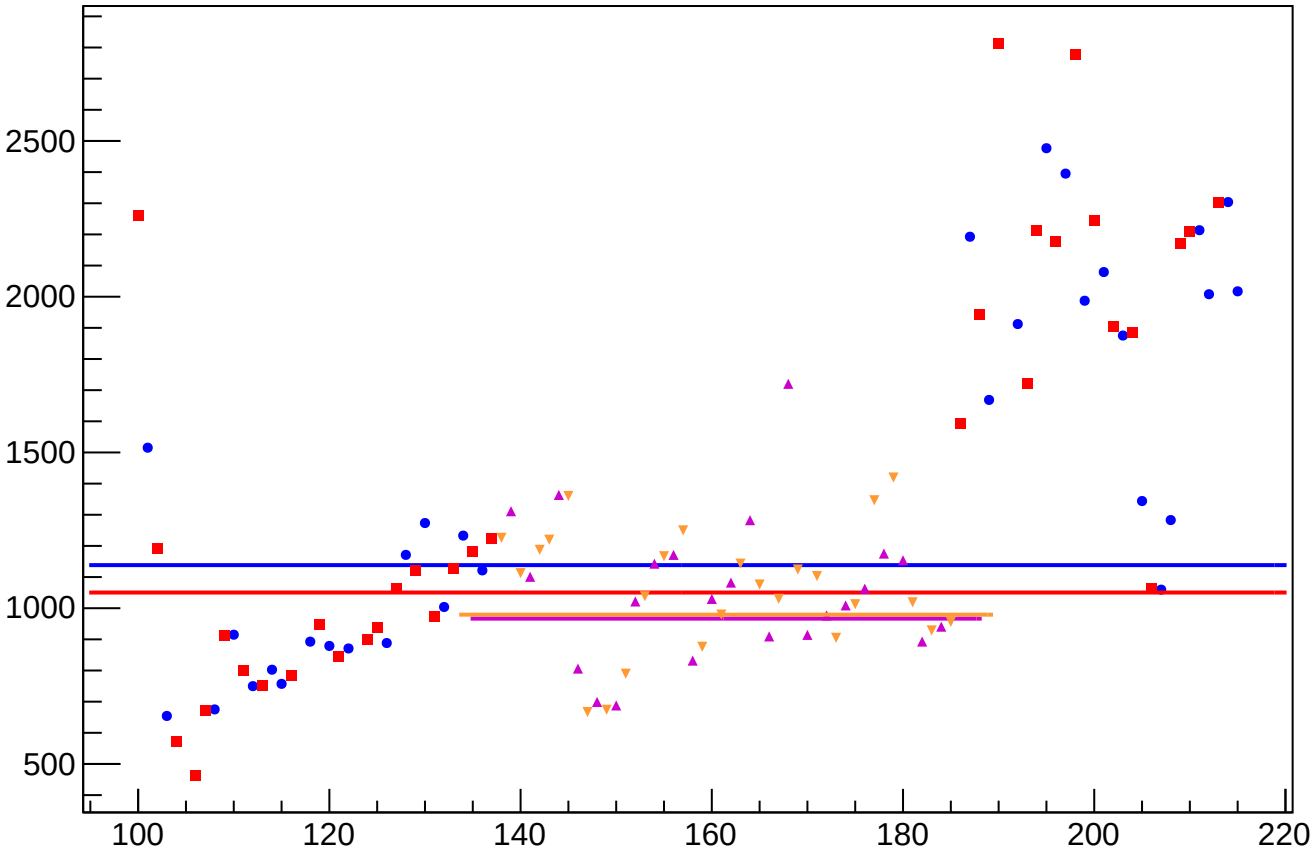
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -238.925+/-197.722 χ^2/NDF: 76.6/63

In: -14.387+/-179.805 χ^2/NDF:49.9/53

Out: -257.562+/-175.979 χ^2/NDF:69.4/57

All: -138.590+/-125.767 χ^2/NDF: 120.2/111



Right In: 1138.327+/-0.201 χ^2/NDF: 5745894.1/30

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1050.338+/-0.194 χ^2/NDF: 7312954.2/32

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

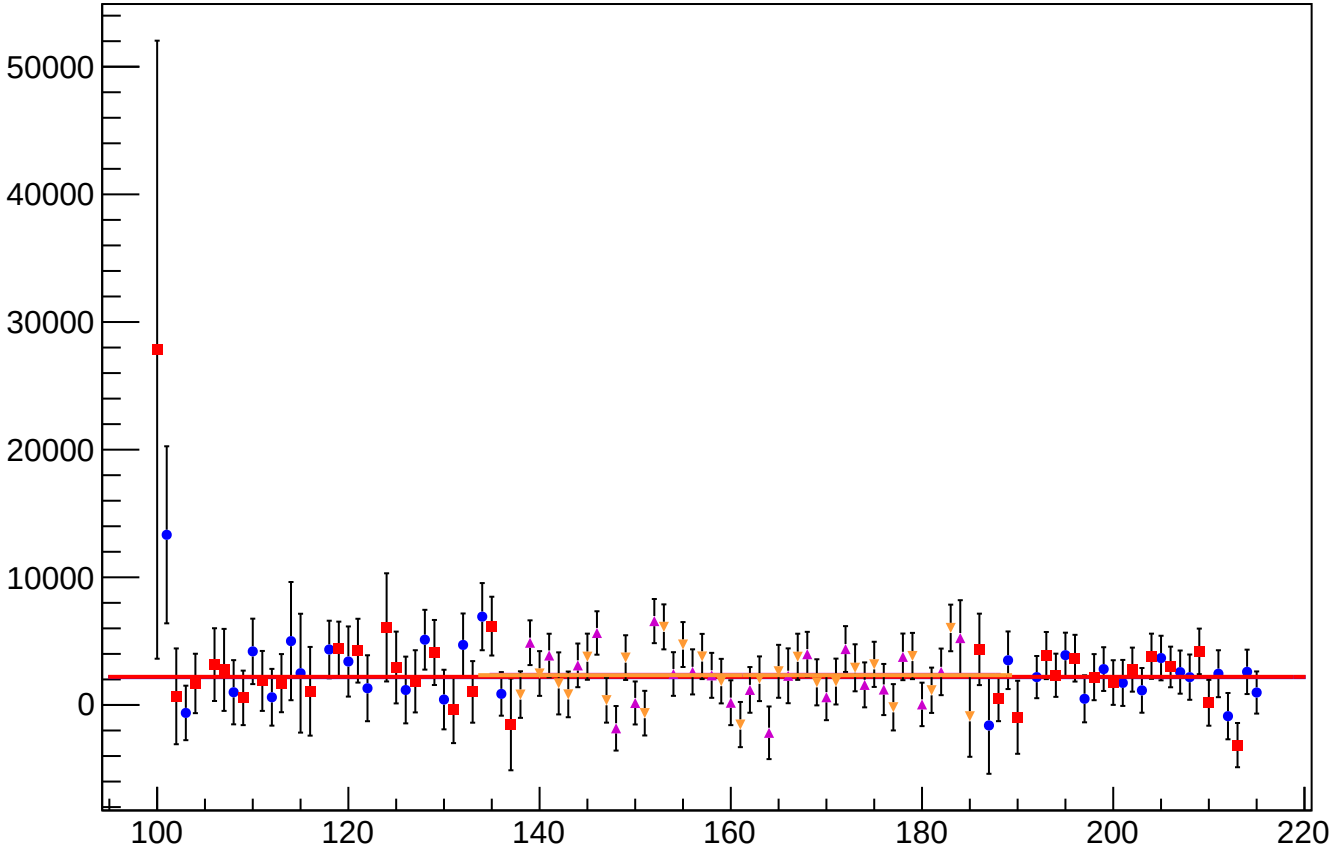
Right: 1092.774+/-0.140 χ^2/NDF: 13157741.7/63

In: 1035.051+/-0.127 χ^2/NDF:7786219.0/53

Out: 1008.426+/-0.124 χ^2/NDF:9022554.3/57

All: 1021.452+/-0.089 χ^2/NDF: 16831171.5/1

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2179.778+/-377.805 χ^2/NDF: 22.4/30

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2203.586+/-383.923 χ^2/NDF: 28.3/32

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

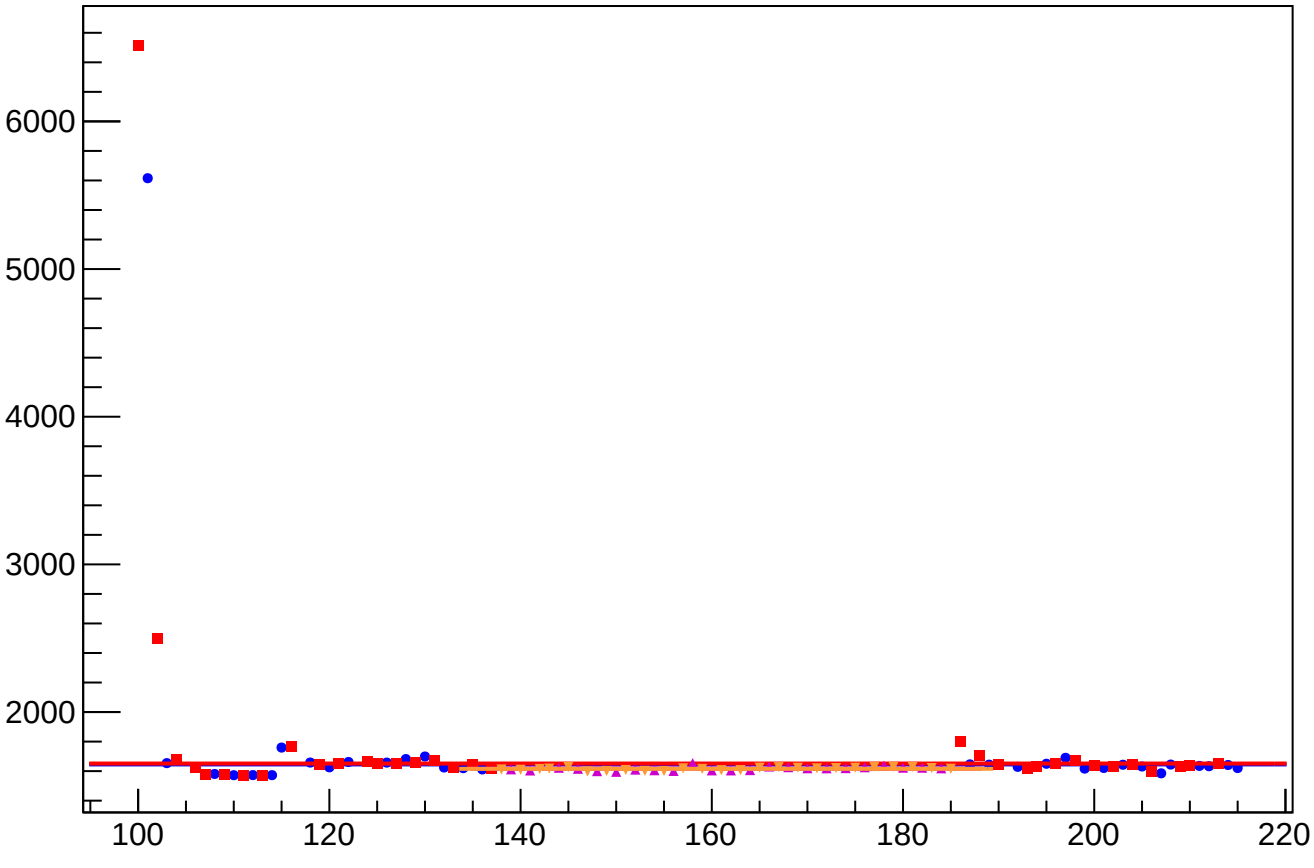
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2191.491+/-269.286 χ^2/NDF: 50.6/63

In: 2270.130+/-267.005 χ^2/NDF:56.5/53

Out: 2272.171+/-265.286 χ^2/NDF:56.6/57

All: 2271.157+/-188.190 χ^2/NDF: 113.1/111



Right In: 1645.365+/-0.267 χ^2/NDF: 670669.3/30

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1651.359+/-0.271 χ^2/NDF: 205563.8/32

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

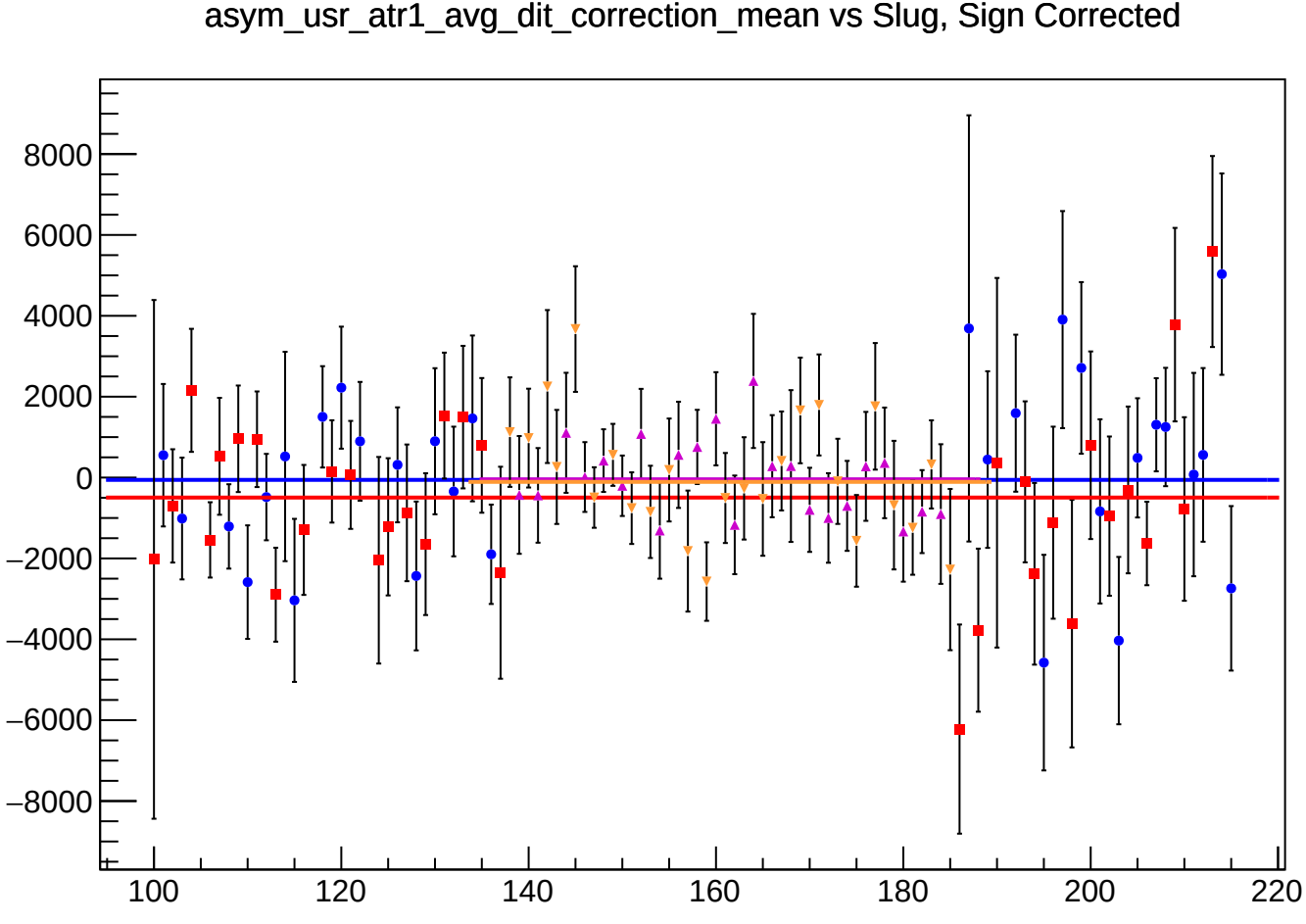
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1648.314+/-0.190 χ^2/NDF: 876480.8/63

In: 1630.847+/-0.189 χ^2/NDF:679126.9/53

Out: 1632.691+/-0.188 χ^2/NDF:216060.7/57

All: 1631.775+/-0.133 χ^2/NDF: 895235.6/111



Right In: -57.276+/-297.694 χ^2/NDF: 36.6/30

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -494.658+/-289.134 χ^2/NDF: 38.5/32

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

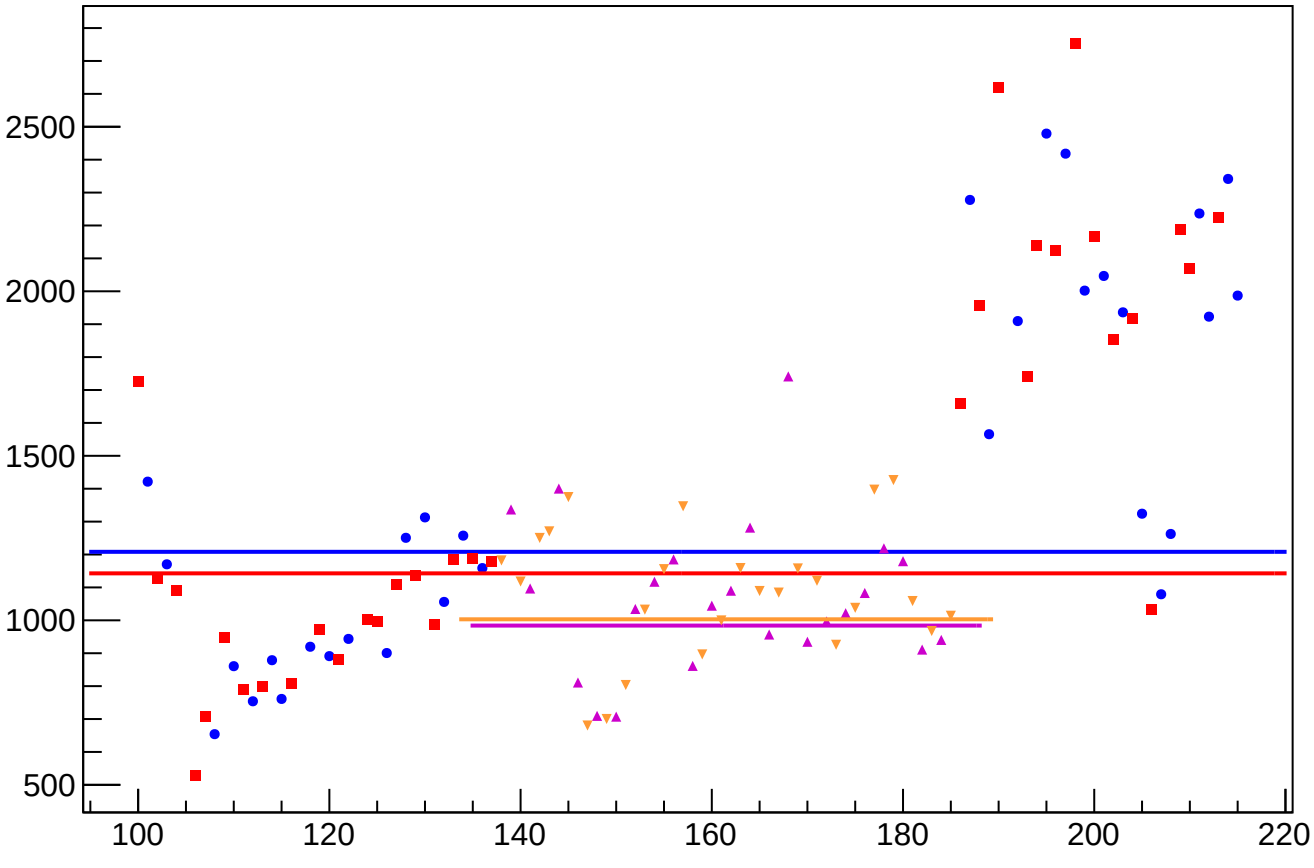
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -282.346+/-207.409 χ^2/NDF: 76.3/63

In: -49.404+/-184.808 χ^2/NDF:49.4/53

Out: -260.265+/-182.038 χ^2/NDF:68.6/57

All: -156.427+/-129.688 χ^2/NDF: 118.7/111



Right In: 1208.201+/-0.211 χ^2/NDF: 4952601.0/30

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1142.752+/-0.204 χ^2/NDF: 5888339.8/32

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

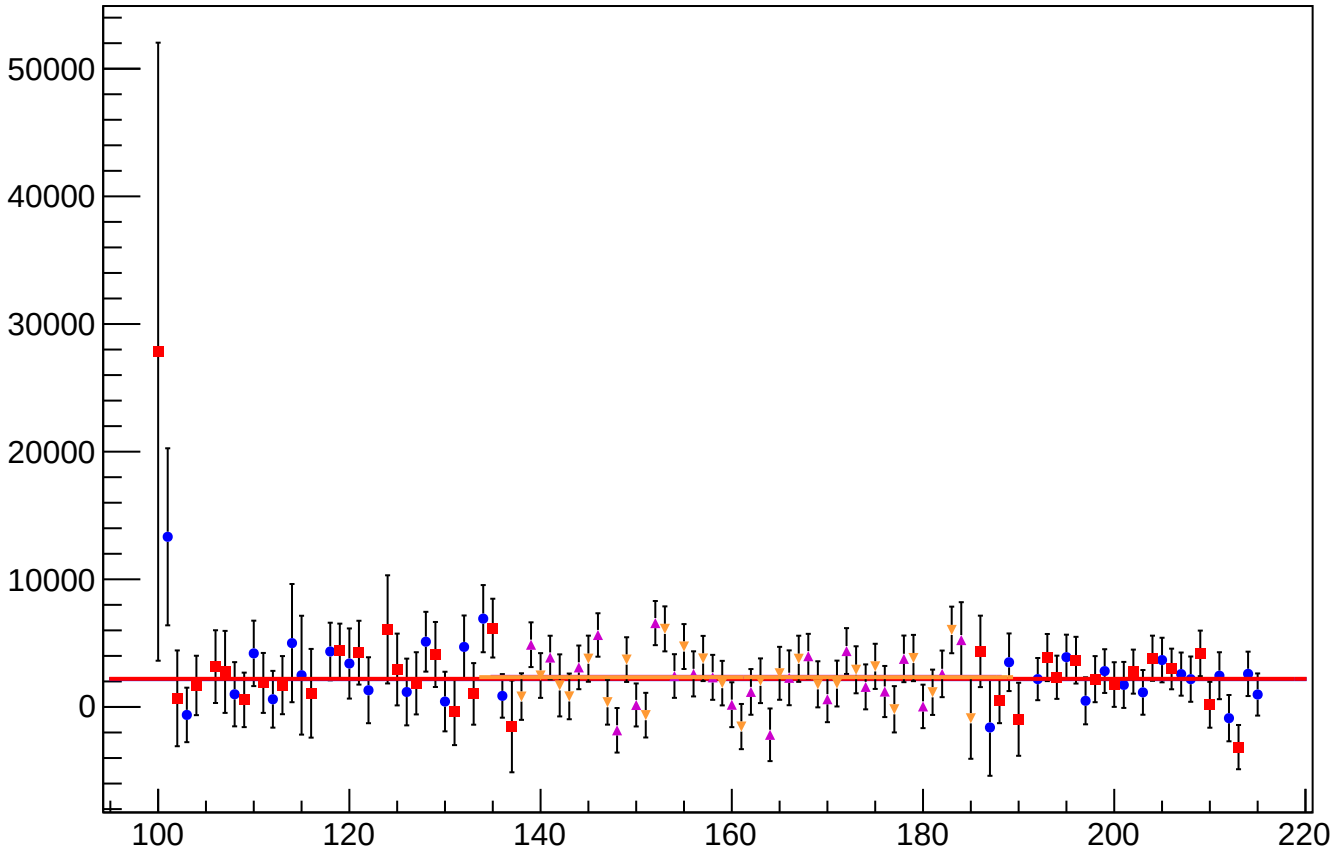
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1174.522+/-0.147 χ^2/NDF: 10890686.1/63

In: 1070.437+/-0.131 χ^2/NDF:7209039.5/53

Out: 1058.457+/-0.129 χ^2/NDF:7768381.9/57

All: 1064.357+/-0.092 χ^2/NDF: 14981687.0/1



Right In: 2179.779+/-377.805 χ^2/NDF: 22.4/30

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2203.584+/-383.923 χ^2/NDF: 28.3/32

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

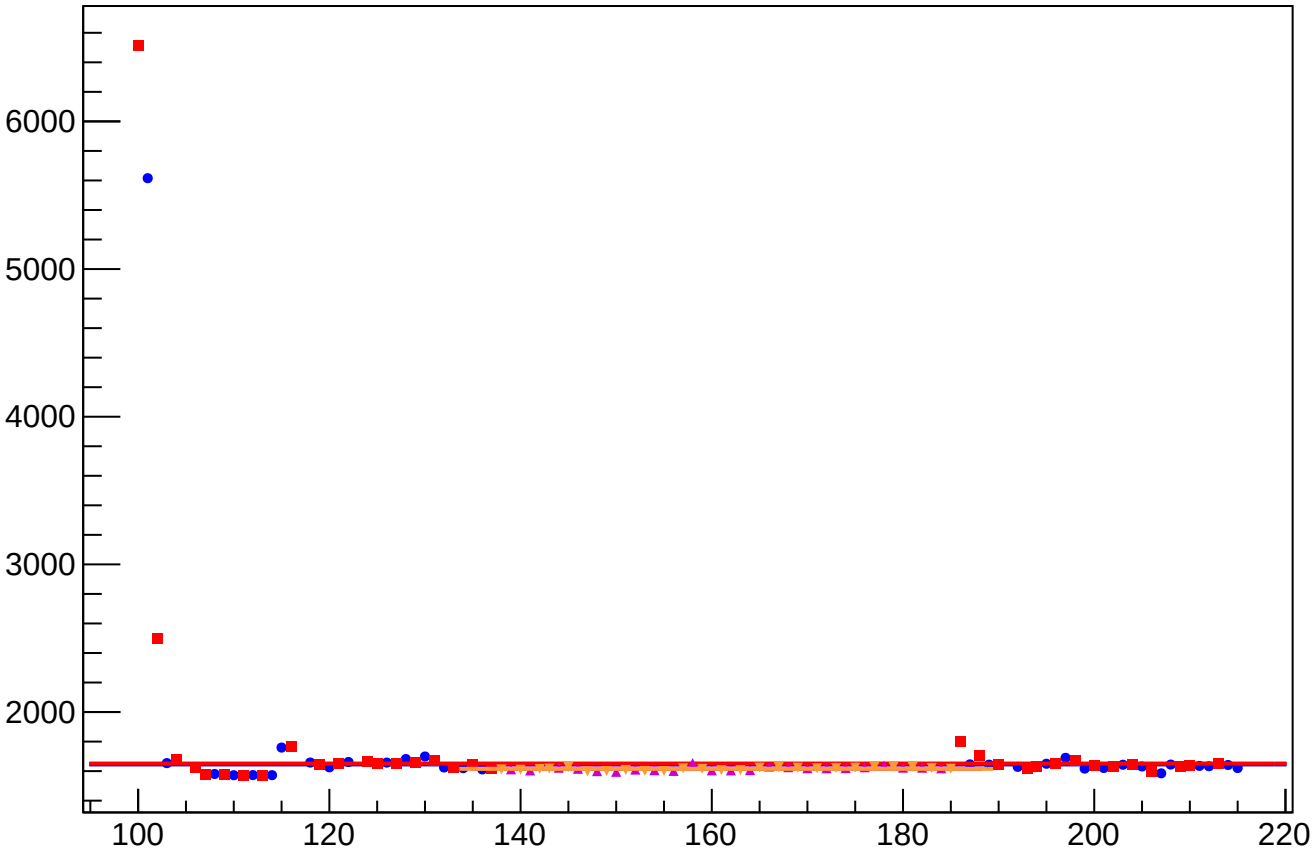
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2191.490+/-269.286 χ^2/NDF: 50.6/63

In: 2270.130+/-267.005 χ^2/NDF:56.5/53

Out: 2272.170+/-265.286 χ^2/NDF:56.6/57

All: 2271.157+/-188.190 χ^2/NDF: 113.1/111



Right In: 1645.364+/-0.267 χ^2/NDF: 670669.3/30

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1651.359+/-0.271 χ^2/NDF: 205563.7/32

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

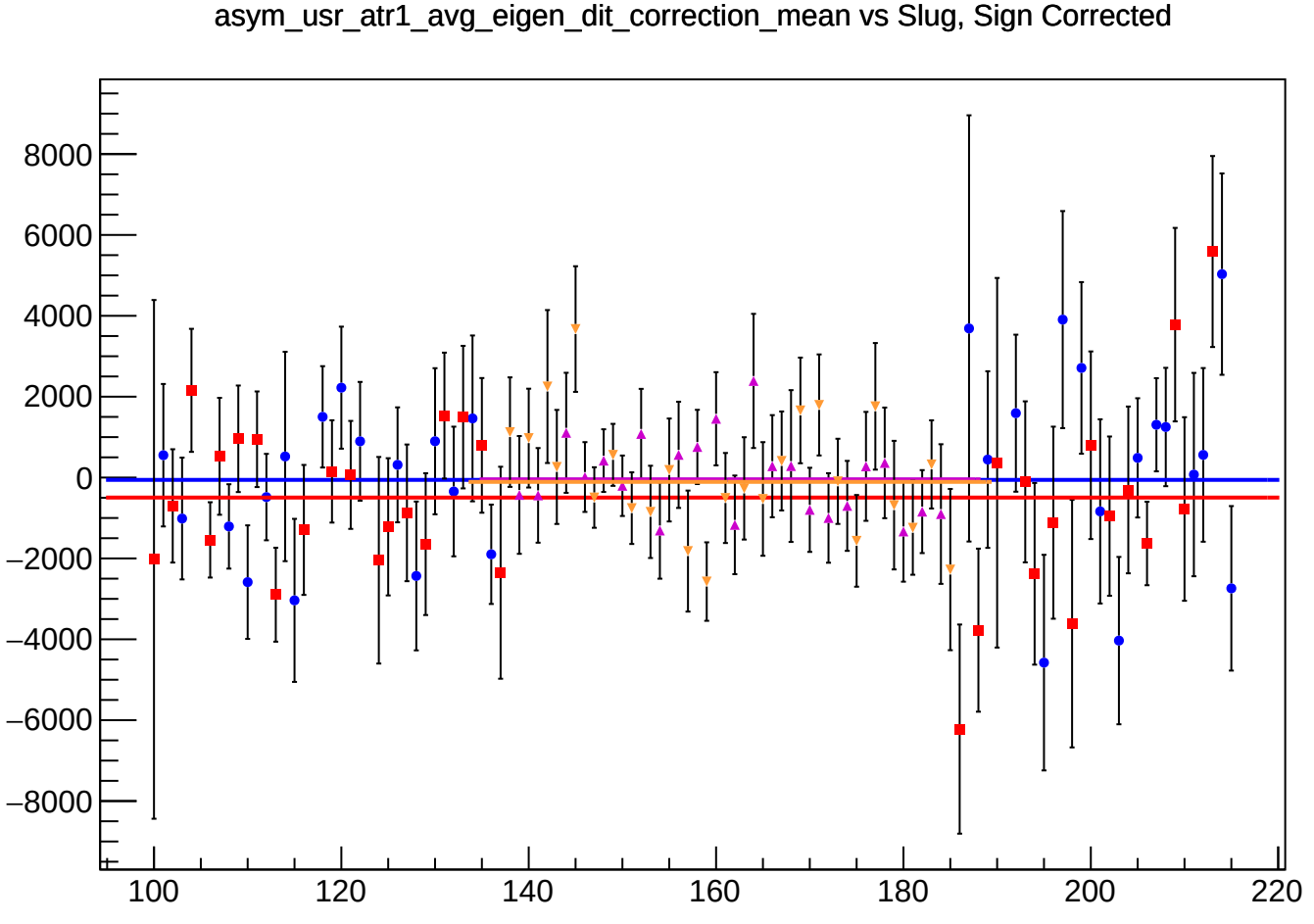
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1648.314+/-0.190 χ^2/NDF: 876480.7/63

In: 1630.847+/-0.189 χ^2/NDF:679126.9/53

Out: 1632.691+/-0.188 χ^2/NDF:216060.5/57

All: 1631.775+/-0.133 χ^2/NDF: 895235.4/111



Right In: -57.277+/-297.694 χ^2/NDF: 36.6/30

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -494.656+/-289.134 χ^2/NDF: 38.5/32

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

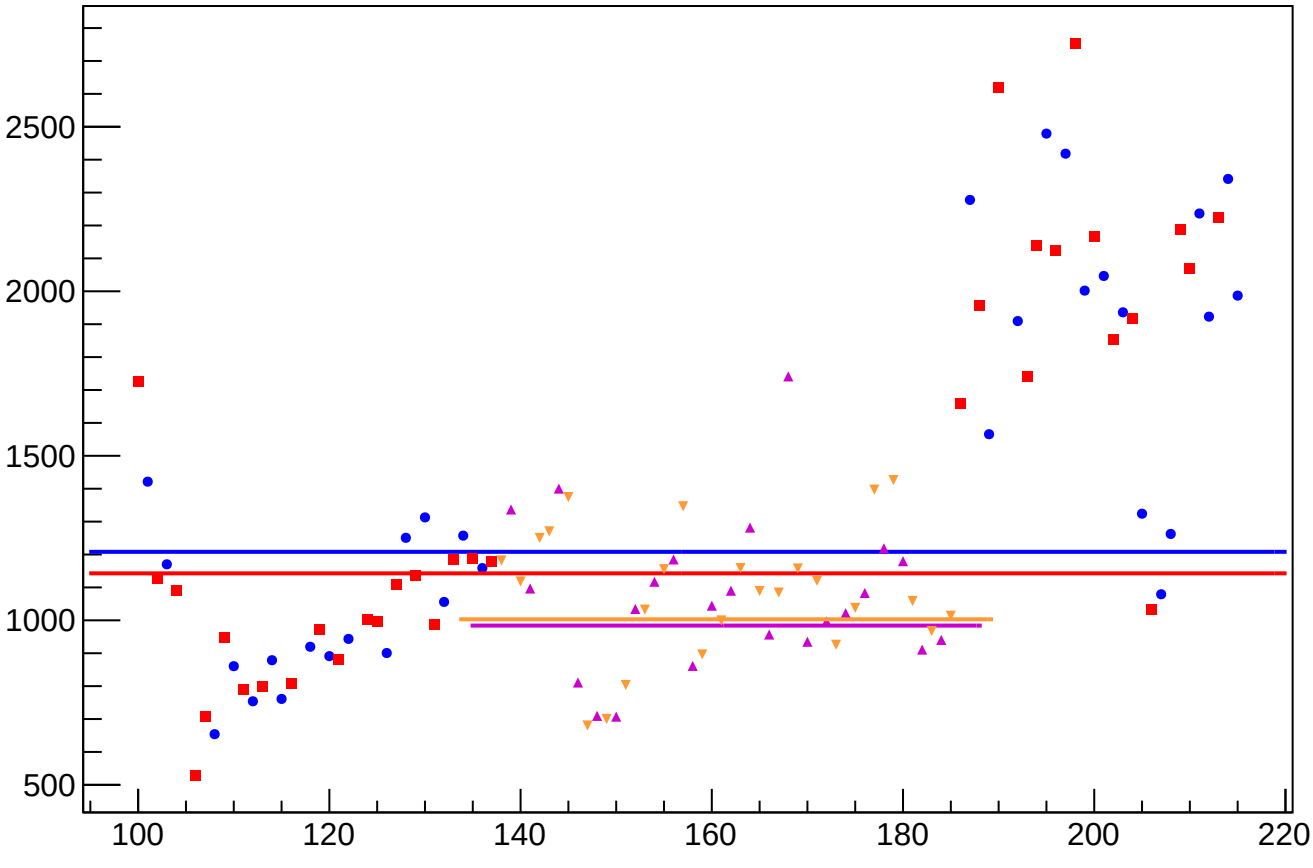
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -282.345+/-207.409 χ^2/NDF: 76.3/63

In: -49.404+/-184.808 χ^2/NDF:49.4/53

Out: -260.266+/-182.038 χ^2/NDF:68.6/57

All: -156.427+/-129.688 χ^2/NDF: 118.7/111



Right In: 1208.198+/-0.211 χ^2/NDF: 4952657.9/30

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1142.749+/-0.204 χ^2/NDF: 5888377.7/32

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

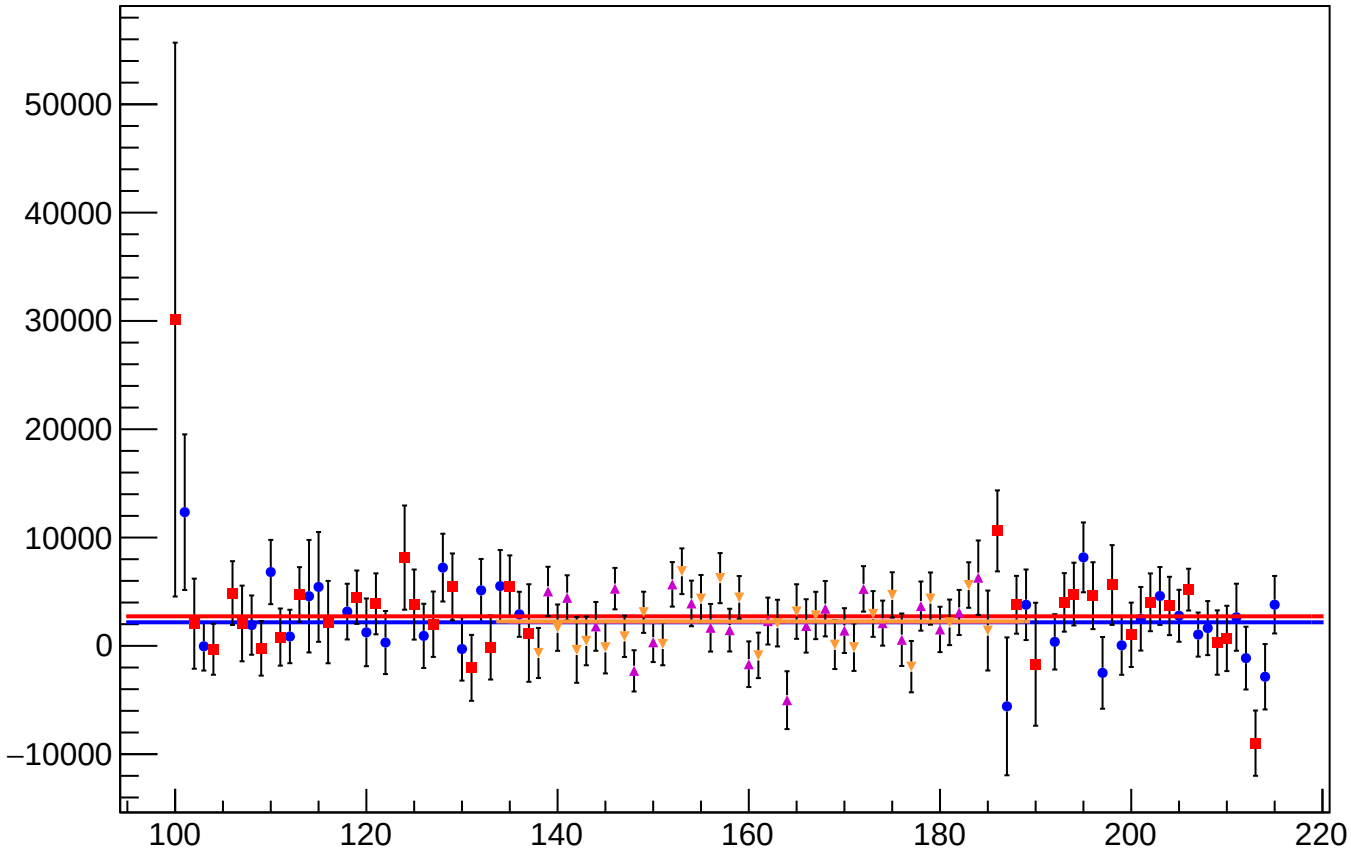
Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

Right: 1174.519+/-0.147 χ^2/NDF: 10890780.2/63

In: 1070.438+/-0.131 χ^2/NDF:7209067.1/53

Out: 1058.458+/-0.129 χ^2/NDF:7768403.0/57

All: 1064.357+/-0.092 χ^2/NDF: 14981735.7/



Right In: 2174.536+/-516.218 χ^2/NDF: 26.7/30

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 2727.411+/-521.647 χ^2/NDF: 38.8/32

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

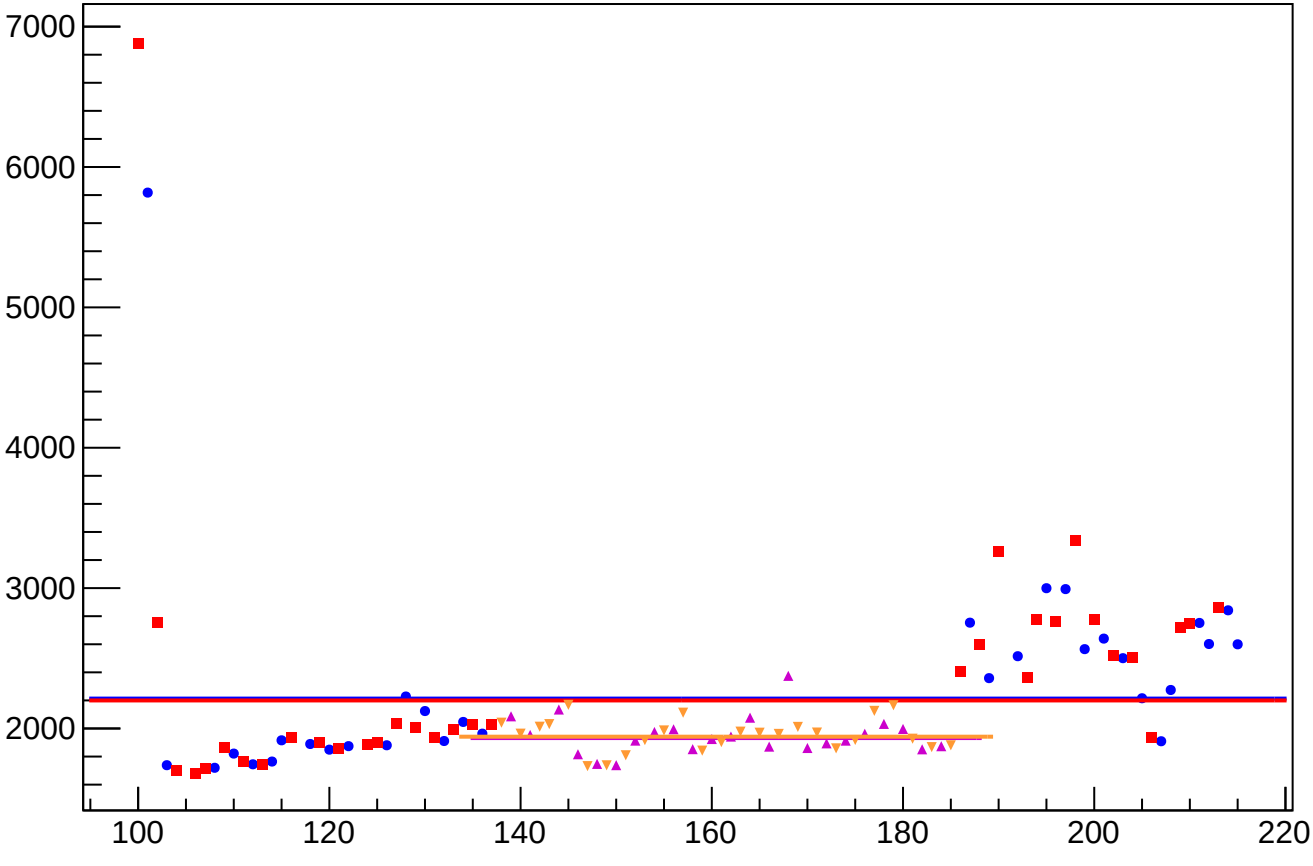
Right: 2448.081+/-366.926 χ^2/NDF: 66.1/63

In: 2199.917+/-340.186 χ^2/NDF:58.2/53

Out: 2451.011+/-337.318 χ^2/NDF:67.6/57

All: 2326.527+/-239.527 χ^2/NDF: 126.1/111

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2212.943+/-0.365 χ^2/NDF: 1602222.1/30

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2199.807+/-0.369 χ^2/NDF: 1451318.2/32

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

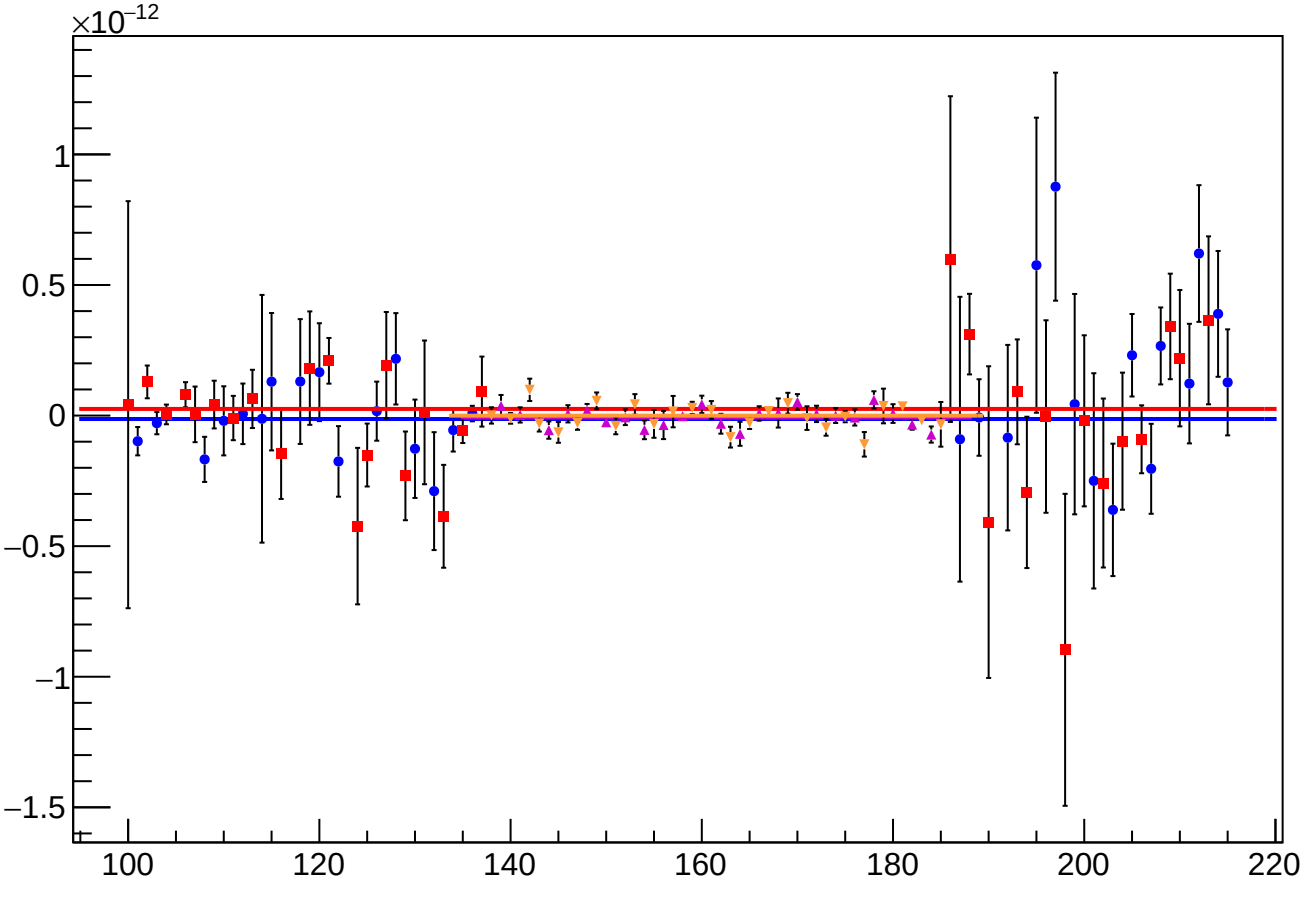
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2206.444+/-0.259 χ^2/NDF: 3054181.0/63

In: 2053.901+/-0.241 χ^2/NDF:2097671.1/53

Out: 2049.558+/-0.239 χ^2/NDF:1875489.6/57

All: 2051.711+/-0.169 χ^2/NDF: 3973325.0/11



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/32

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

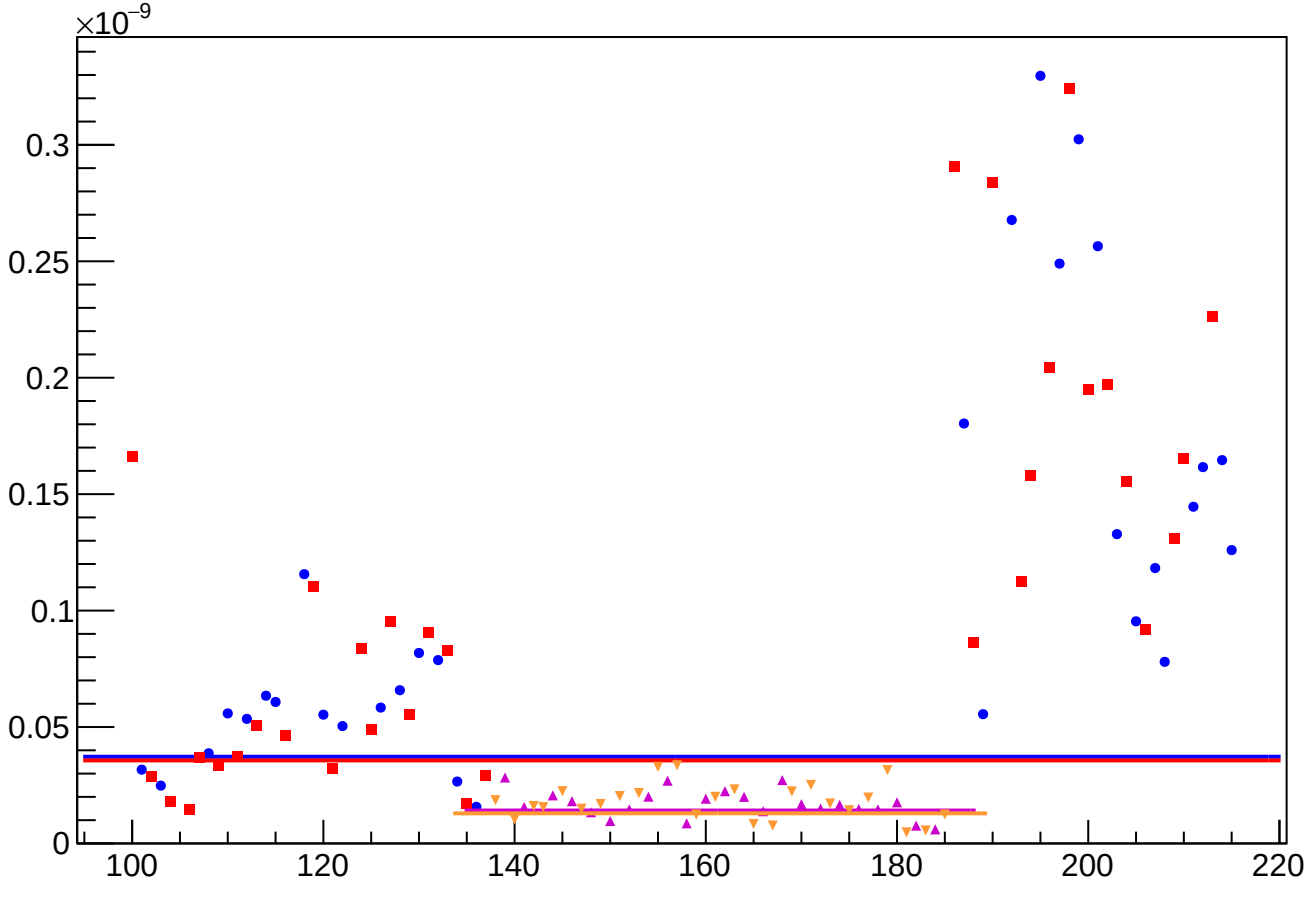
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 79.6/63

In: -0.000+/-0.000 χ^2/NDF:65.1/53

Out: 0.000+/-0.000 χ^2/NDF:82.0/57

All: -0.000+/-0.000 χ^2/NDF: 148.5/111



Right In: 0.000+/-0.000 χ^2/NDF: 8293301.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7785952.7/32

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

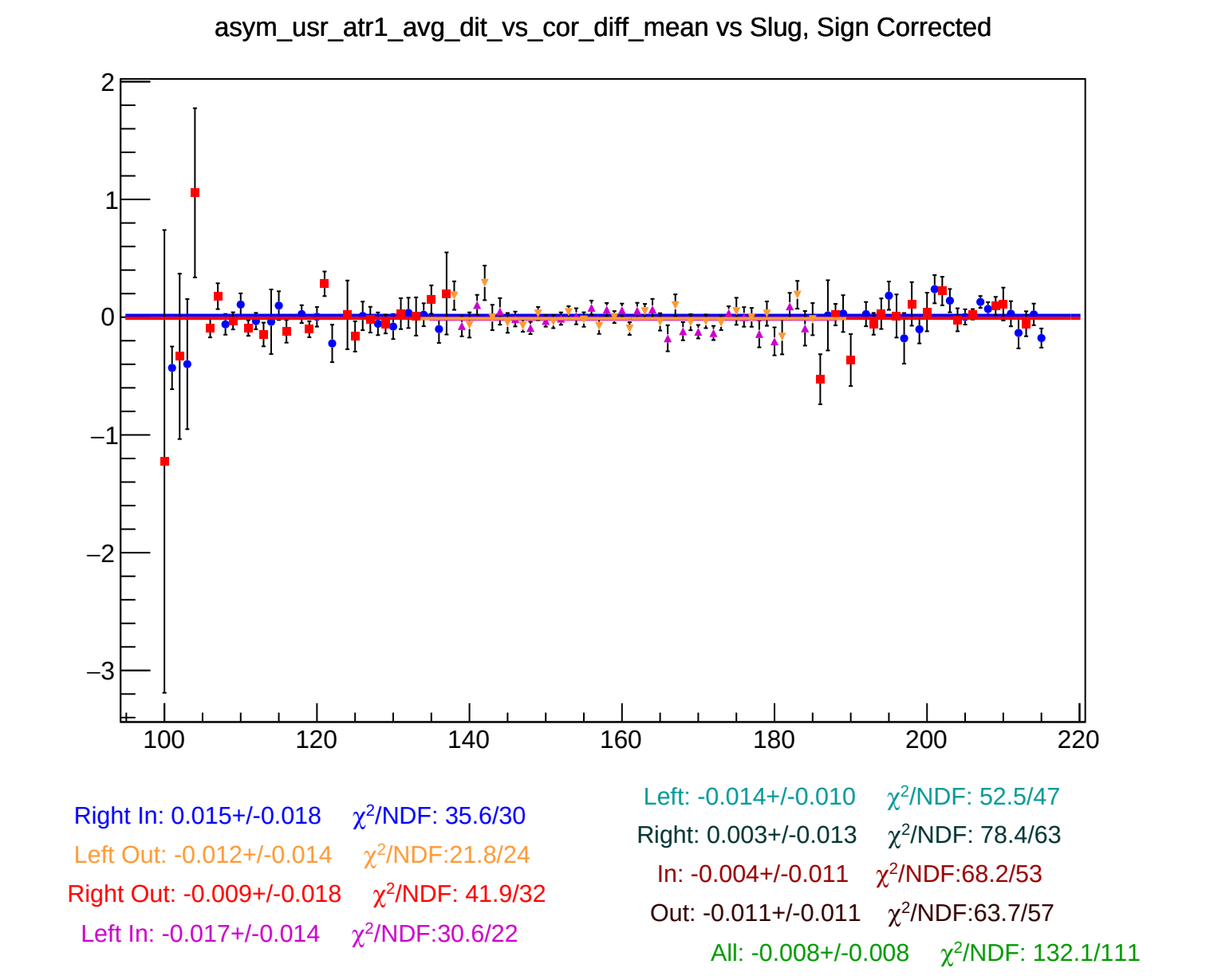
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

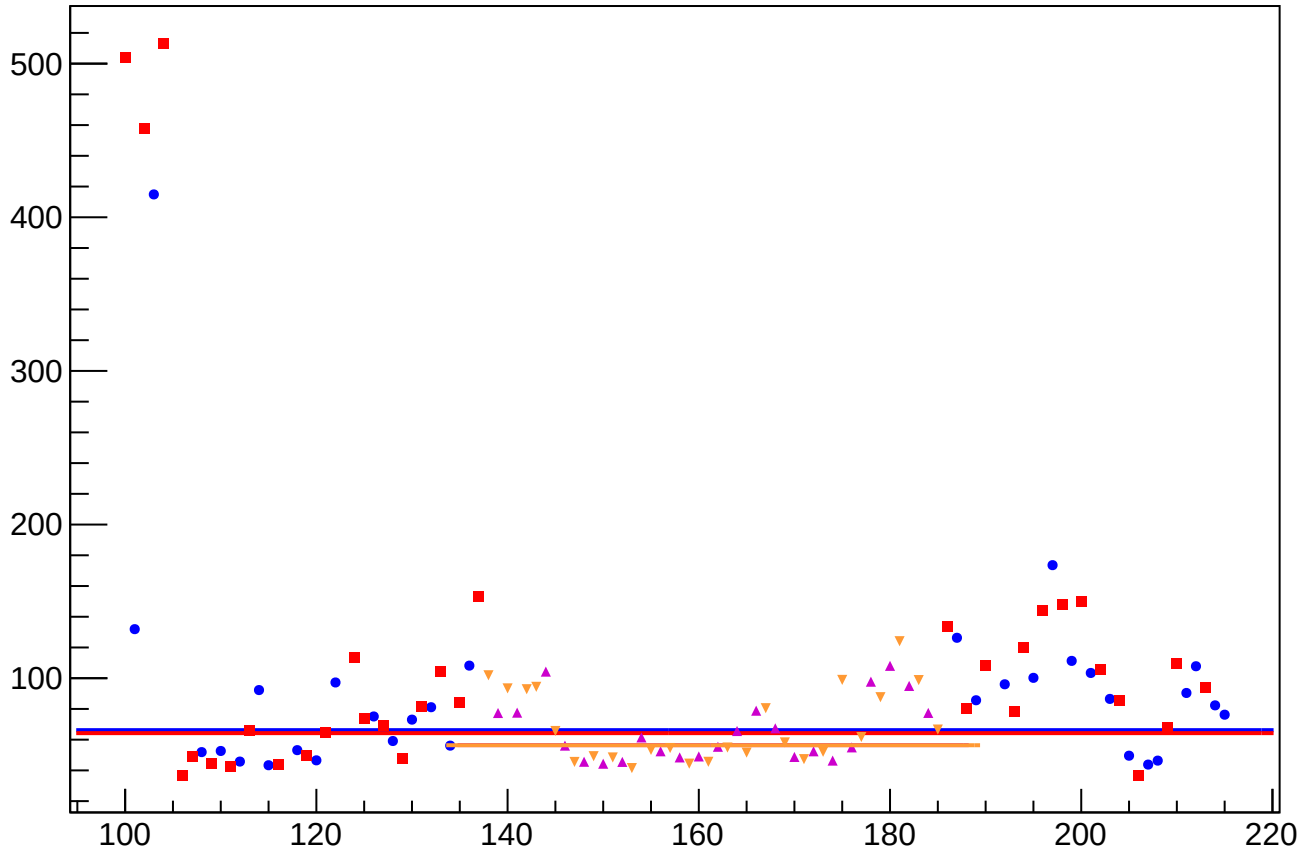
Right: 0.000+/-0.000 χ^2/NDF: 16086578.3/63

In: 0.000+/-0.000 χ^2/NDF:12704224.2/53

Out: 0.000+/-0.000 χ^2/NDF:13354330.9/57

All: 0.000+/-0.000 χ^2/NDF: 26139786.2/111


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.015+/-0.018 χ²/NDF: 35.6/30
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.009+/-0.018 χ²/NDF: 41.9/32
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.003+/-0.013 χ²/NDF: 78.4/63
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.011+/-0.011 χ²/NDF:63.7/57
All: -0.008+/-0.008 χ²/NDF: 132.1/111



Right In: 66.189+/-0.012 χ^2/NDF: 4638934.4/30

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.249+/-0.013 χ^2/NDF: 6404786.1/32

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

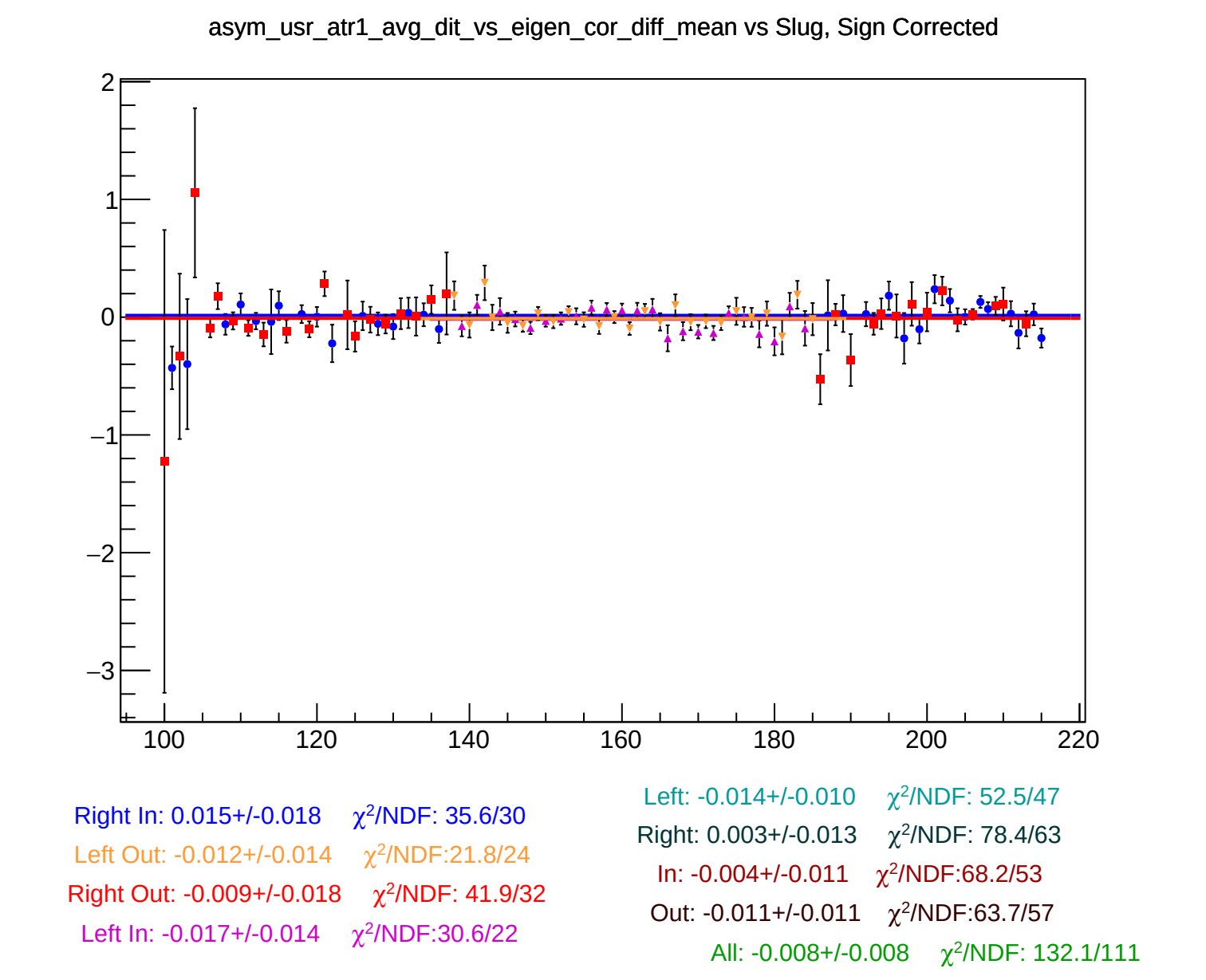
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

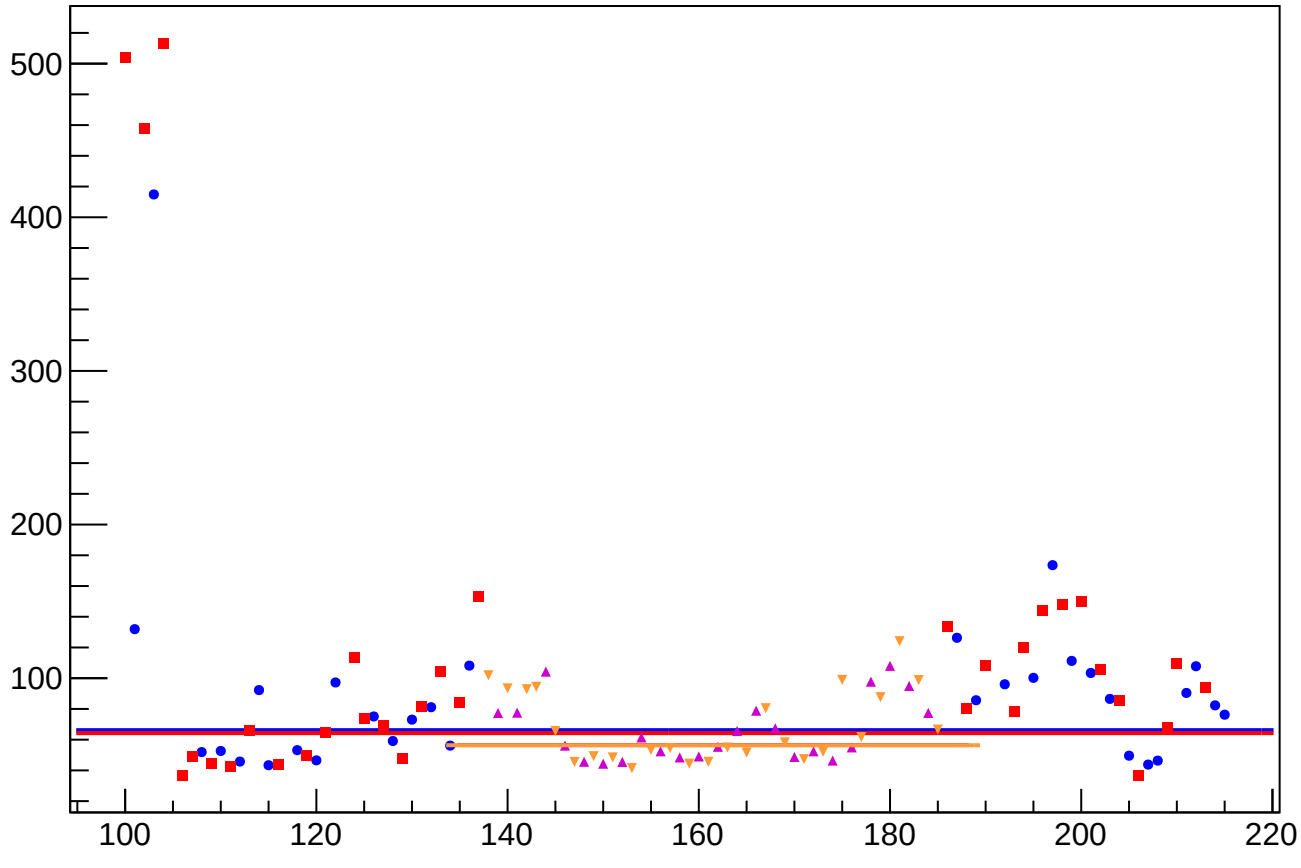
Right: 65.243+/-0.009 χ^2/NDF: 11055593.7/63

In: 60.397+/-0.008 χ^2/NDF:7143195.4/53

Out: 59.421+/-0.008 χ^2/NDF:9436306.8/57

All: 59.911+/-0.006 χ^2/NDF: 16587104.2/111


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: 0.015+/-0.018 χ²/NDF: 35.6/30
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.009+/-0.018 χ²/NDF: 41.9/32
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.003+/-0.013 χ²/NDF: 78.4/63
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.011+/-0.011 χ²/NDF:63.7/57
All: -0.008+/-0.008 χ²/NDF: 132.1/111



Right In: 66.189+/-0.012 χ^2/NDF: 4638934.4/30

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.249+/-0.013 χ^2/NDF: 6404786.1/32

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

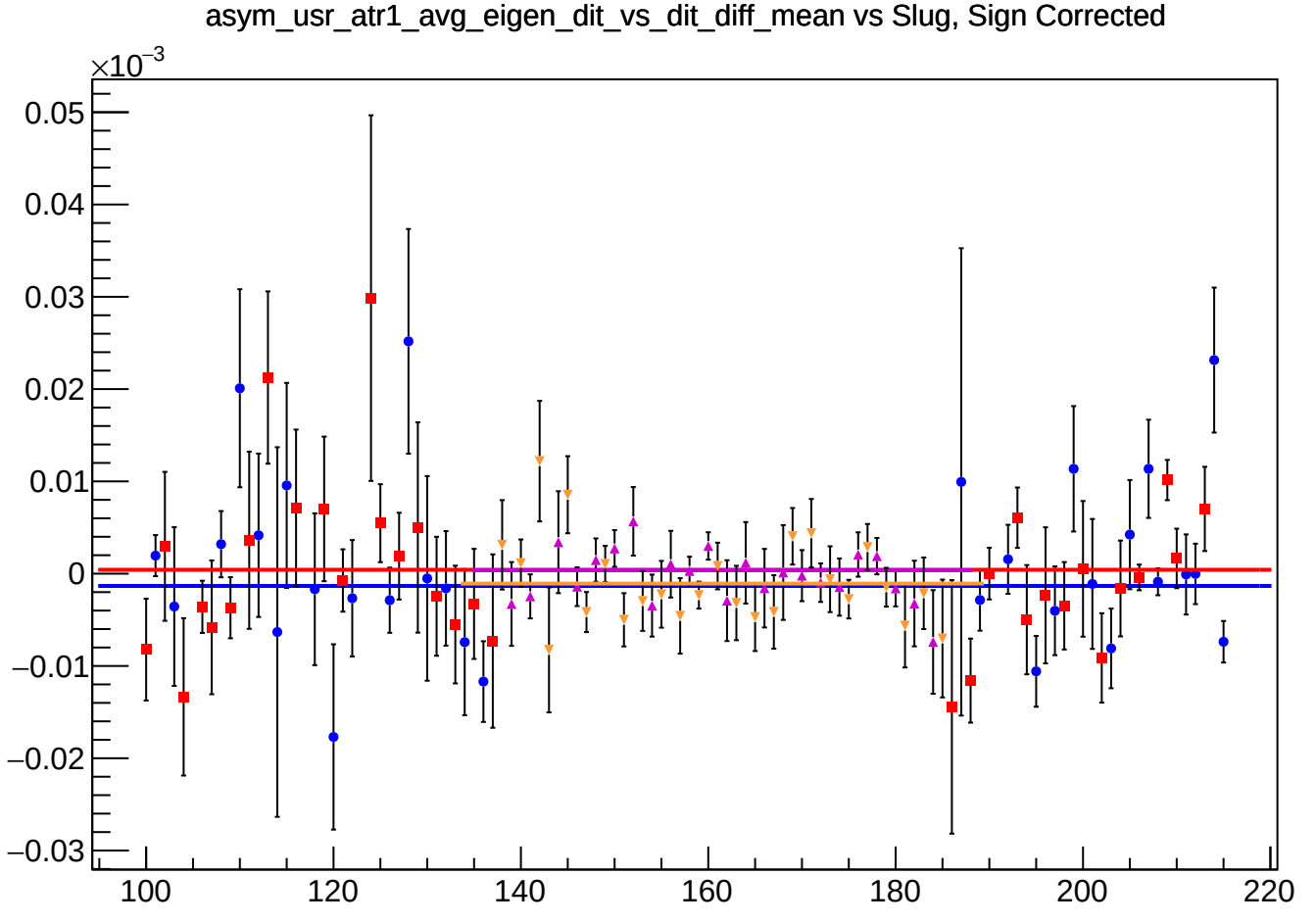
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

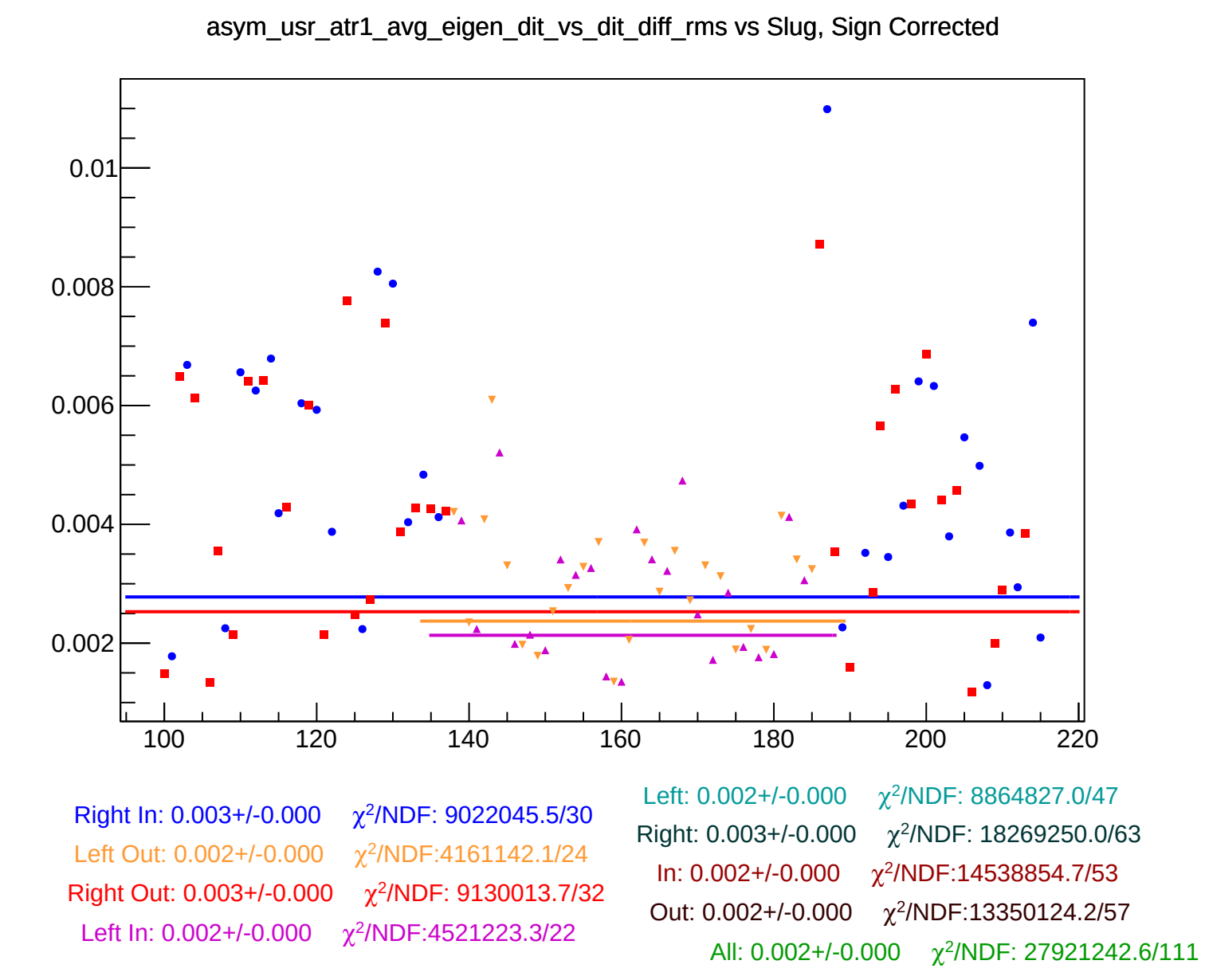
Right: 65.243+/-0.009 χ^2/NDF: 11055593.7/63

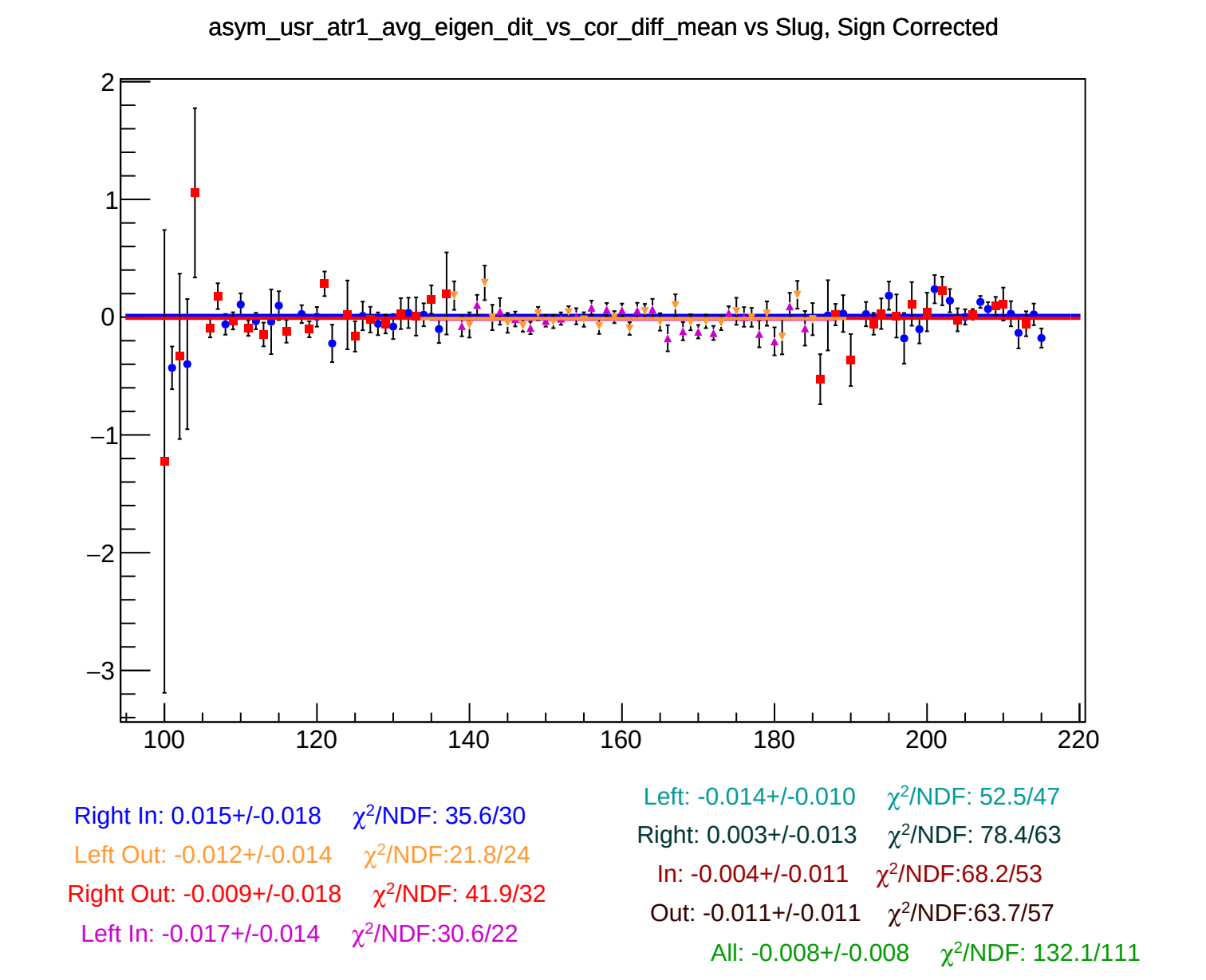
In: 60.397+/-0.008 χ^2/NDF:7143195.4/53

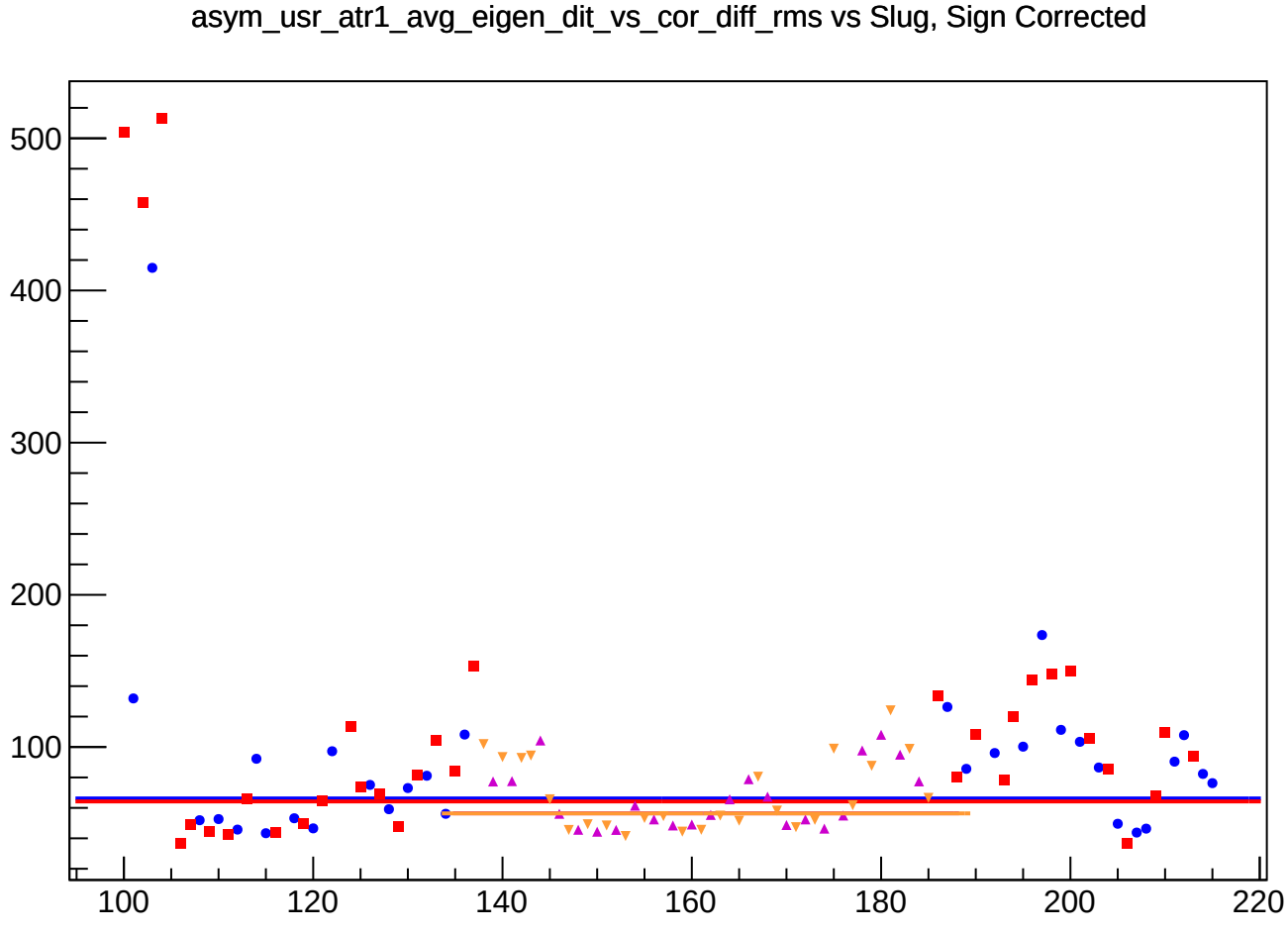
Out: 59.421+/-0.008 χ^2/NDF:9436306.8/57

All: 59.911+/-0.006 χ^2/NDF: 16587104.2/111


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: 60.0/30
Left Out: -0.000+/-0.000 χ²/NDF:31.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 61.3/32
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: 124.2/63
In: -0.000+/-0.000 χ²/NDF:80.9/53
Out: -0.000+/-0.000 χ²/NDF:95.5/57
All: -0.000+/-0.000 χ²/NDF: 176.6/111


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 9022045.5/30
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 9130013.7/32
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 18269250.0/63
In: 0.002+/-0.000 χ²/NDF:14538854.7/53
Out: 0.002+/-0.000 χ²/NDF:13350124.2/57
All: 0.002+/-0.000 χ²/NDF: 27921242.6/111


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.015+/-0.018 χ²/NDF: 35.6/30
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.009+/-0.018 χ²/NDF: 41.9/32
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.003+/-0.013 χ²/NDF: 78.4/63
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.011+/-0.011 χ²/NDF:63.7/57
All: -0.008+/-0.008 χ²/NDF: 132.1/111



Right In: 66.189+/-0.012 χ^2/NDF: 4638898.3/30

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.248+/-0.013 χ^2/NDF: 6404831.6/32

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

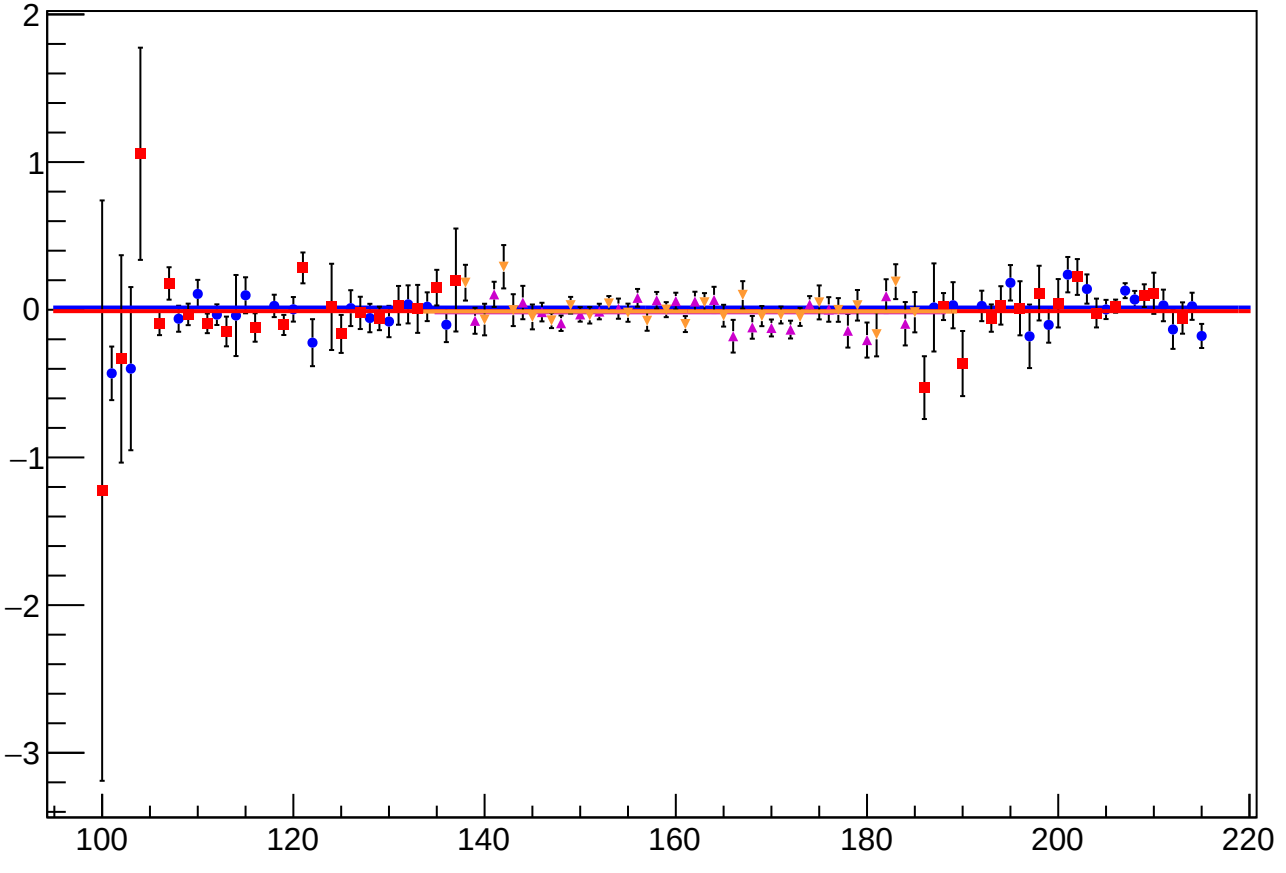
Right: 65.242+/-0.009 χ^2/NDF: 11055606.4/63

In: 60.397+/-0.008 χ^2/NDF:7143112.7/53

Out: 59.421+/-0.008 χ^2/NDF:9436383.1/57

All: 59.911+/-0.006 χ^2/NDF: 16587098.3/111

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.018 χ^2/NDF: 35.6/30

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.009+/-0.018 χ^2/NDF: 41.9/32

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

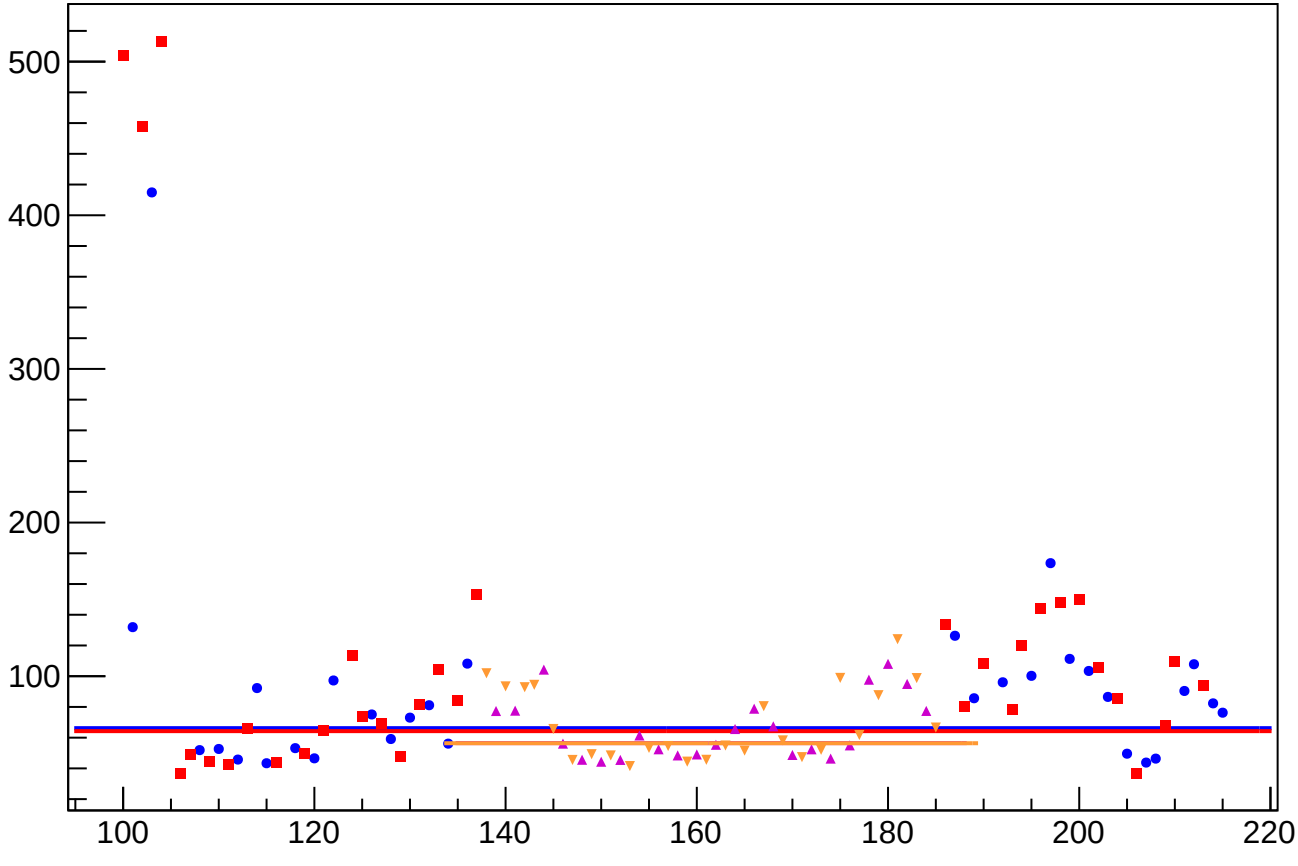
Right: 0.003+/-0.013 χ^2/NDF: 78.4/63

In: -0.004+/-0.011 χ^2/NDF:68.2/53

Out: -0.011+/-0.011 χ^2/NDF:63.7/57

All: -0.008+/-0.008 χ^2/NDF: 132.1/111

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.189+/-0.012 χ^2/NDF: 4638898.3/30

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.248+/-0.013 χ^2/NDF: 6404831.6/32

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

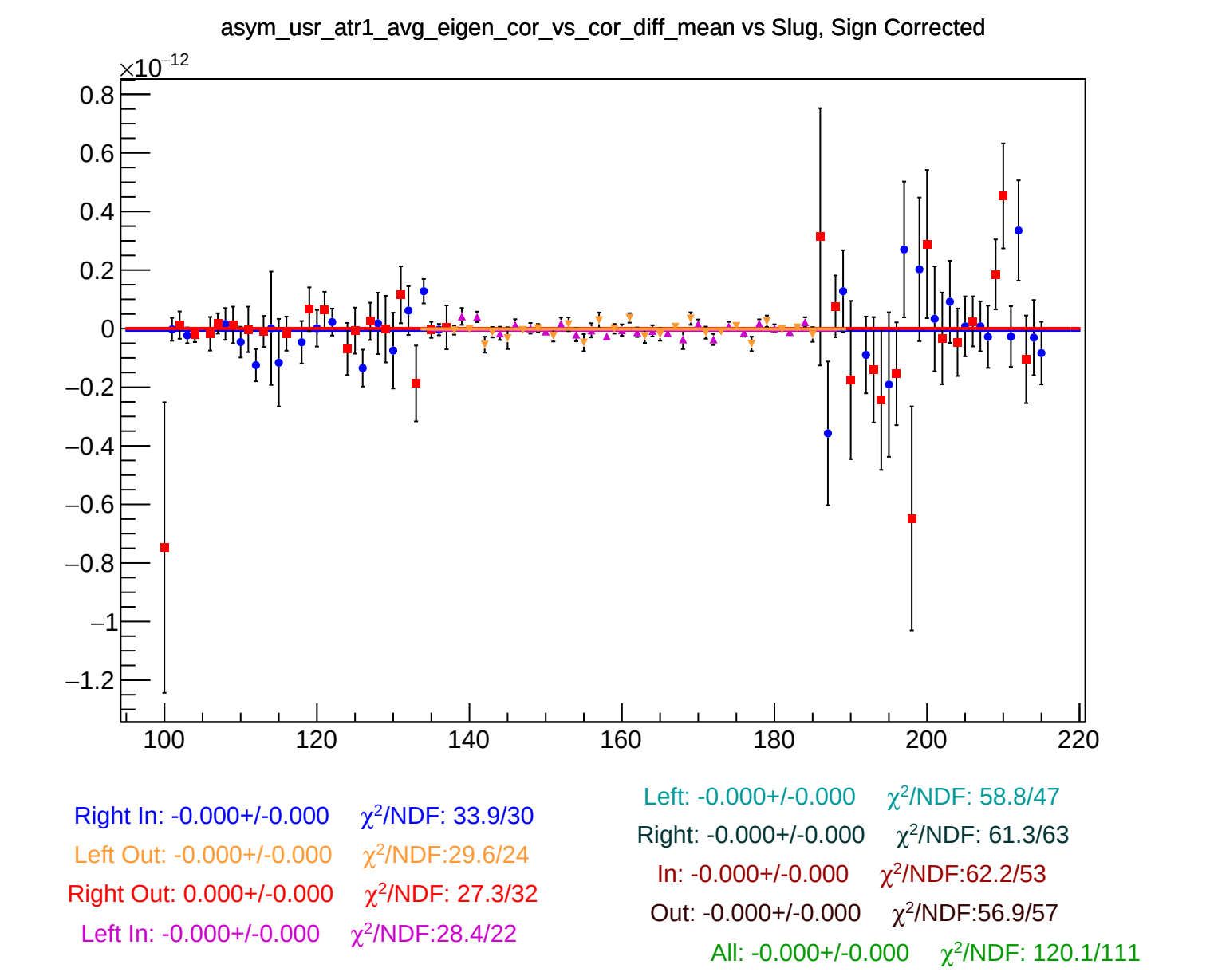
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

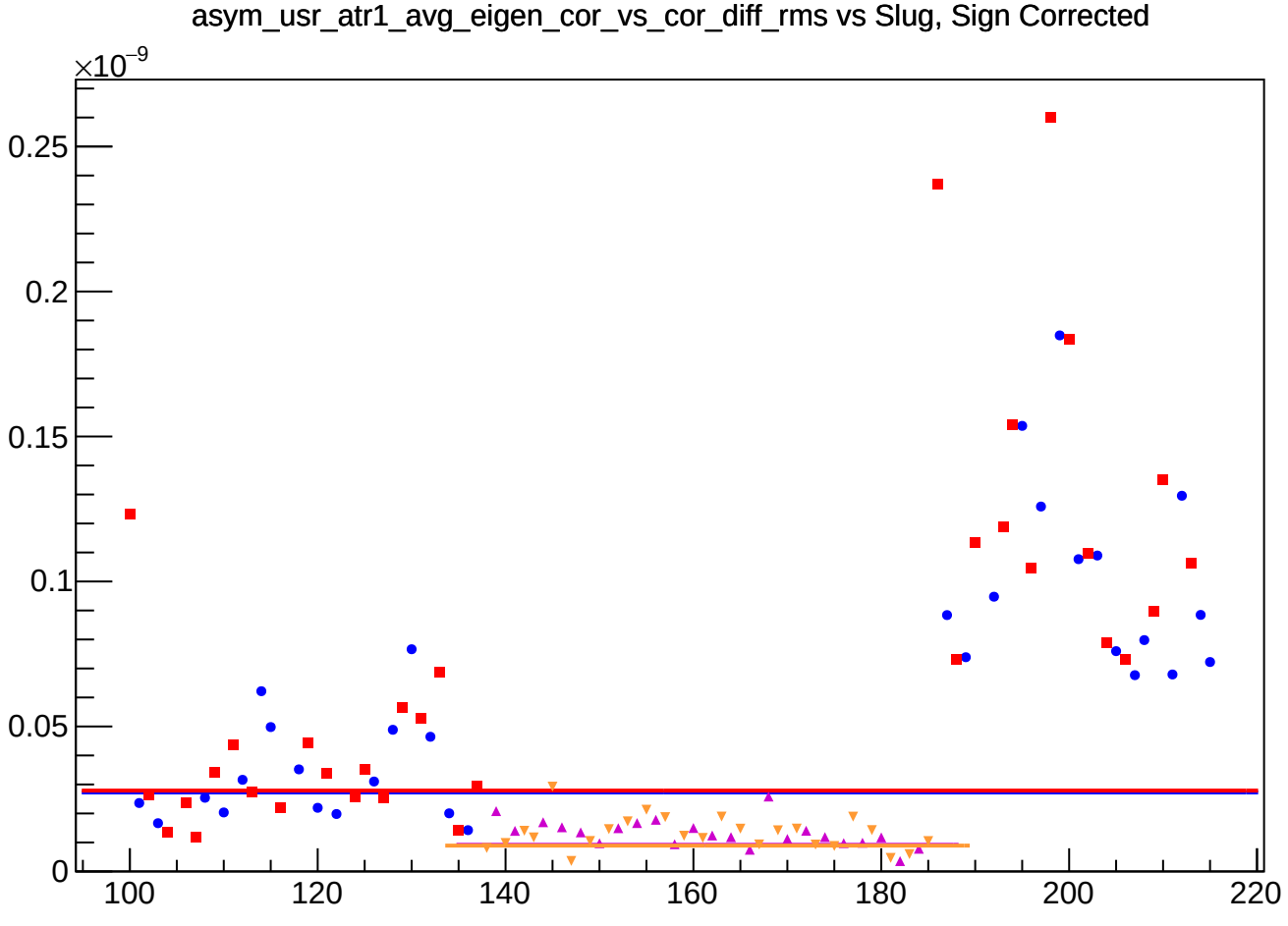
Right: 65.242+/-0.009 χ^2/NDF: 11055606.4/63

In: 60.397+/-0.008 χ^2/NDF:7143112.7/53

Out: 59.421+/-0.008 χ^2/NDF:9436383.1/57

All: 59.911+/-0.006 χ^2/NDF: 16587098.3/111


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 33.9/30
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.3/32
Left In: -0.000+/-0.000 χ²/NDF:28.4/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 61.3/63
In: -0.000+/-0.000 χ²/NDF:62.2/53
Out: -0.000+/-0.000 χ²/NDF:56.9/57
All: -0.000+/-0.000 χ²/NDF: 120.1/111



Right In: 0.000+/-0.000 χ^2/NDF: 8923691.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9678584.0/32

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

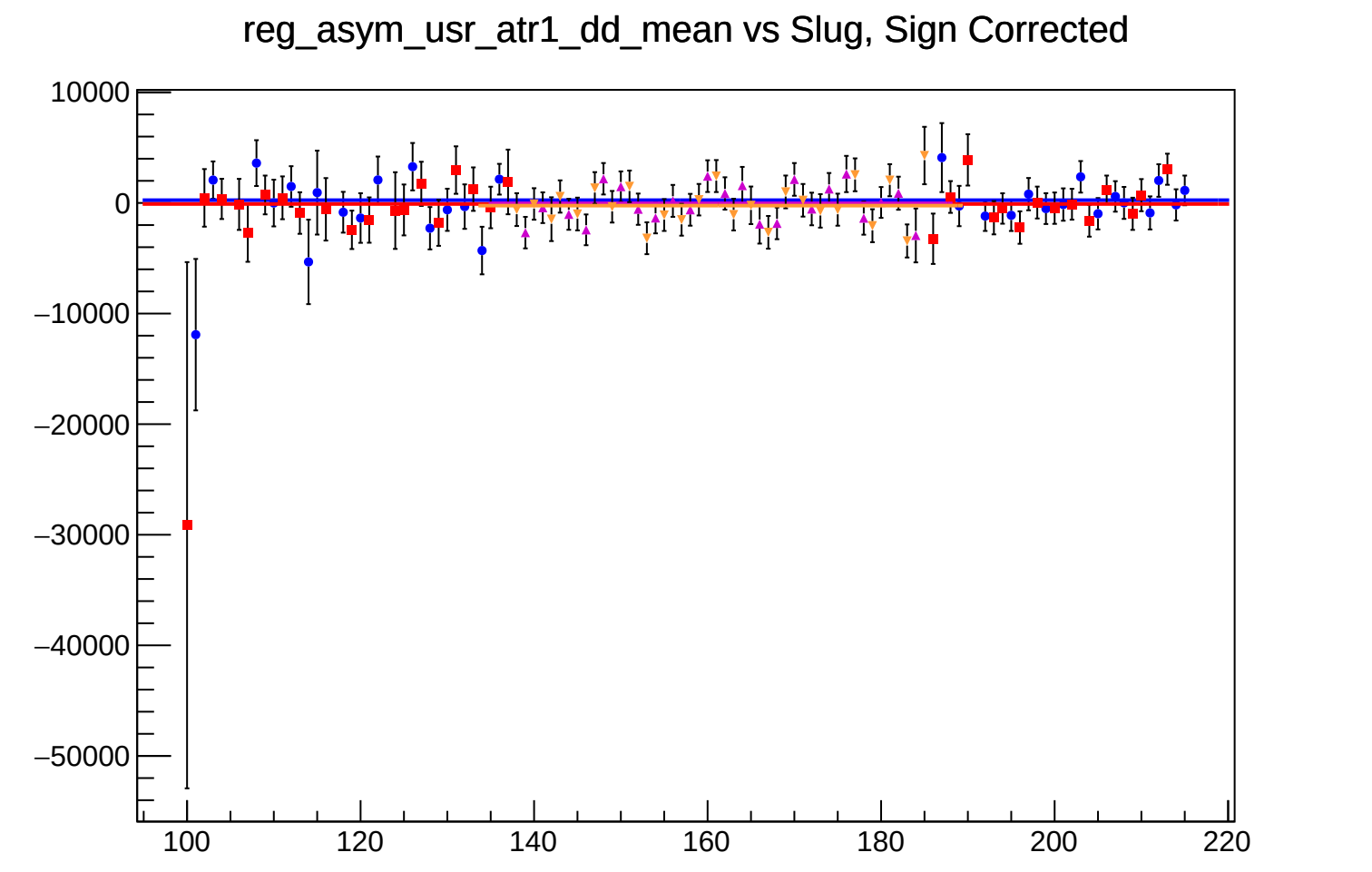
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 18605688.4/63

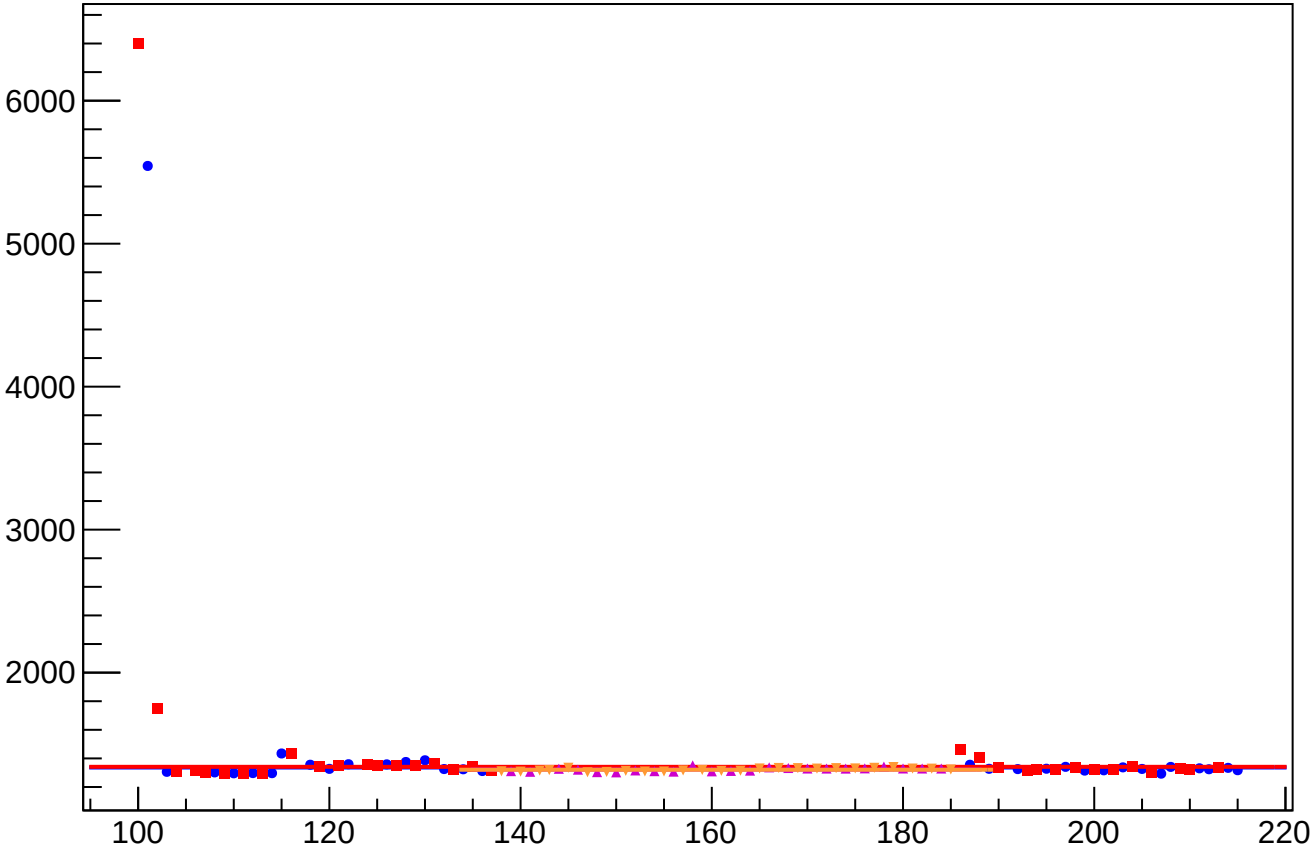
In: 0.000+/-0.000 χ^2/NDF:19270468.1/53

Out: 0.000+/-0.000 χ^2/NDF:19919959.4/57

All: 0.000+/-0.000 χ^2/NDF: 39212092.9/111


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: 250.933+/-307.237 χ²/NDF: 31.4/30
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -93.584+/-311.488 χ²/NDF: 25.7/32
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: 81.041+/-218.737 χ²/NDF: 57.7/63
In: 106.557+/-217.737 χ²/NDF:58.9/53
Out: -169.993+/-216.082 χ²/NDF:57.6/57
All: -32.773+/-153.375 χ²/NDF: 117.3/111

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1336.427+/-0.217 χ^2/NDF: 767080.2/30

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1341.156+/-0.220 χ^2/NDF: 161951.8/32

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

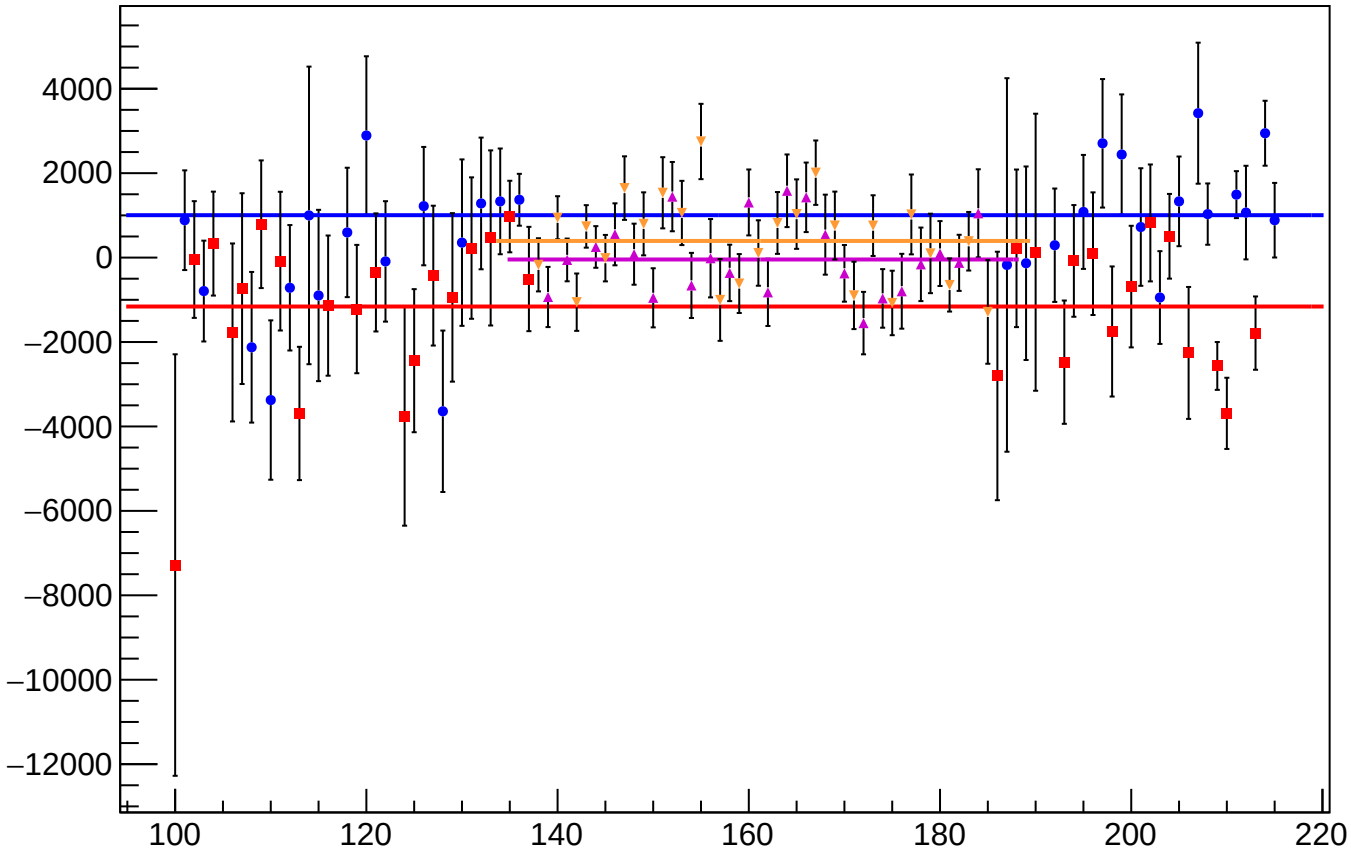
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.759+/-0.155 χ^2/NDF: 929265.7/63

In: 1329.138+/-0.154 χ^2/NDF:772895.2/53

Out: 1330.565+/-0.153 χ^2/NDF:169011.2/57

All: 1329.857+/-0.108 χ^2/NDF: 941949.6/111



Right In: 1004.685+/-210.802 χ^2/NDF: 36.5/30

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -1158.953+/-231.907 χ^2/NDF: 42.9/32

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

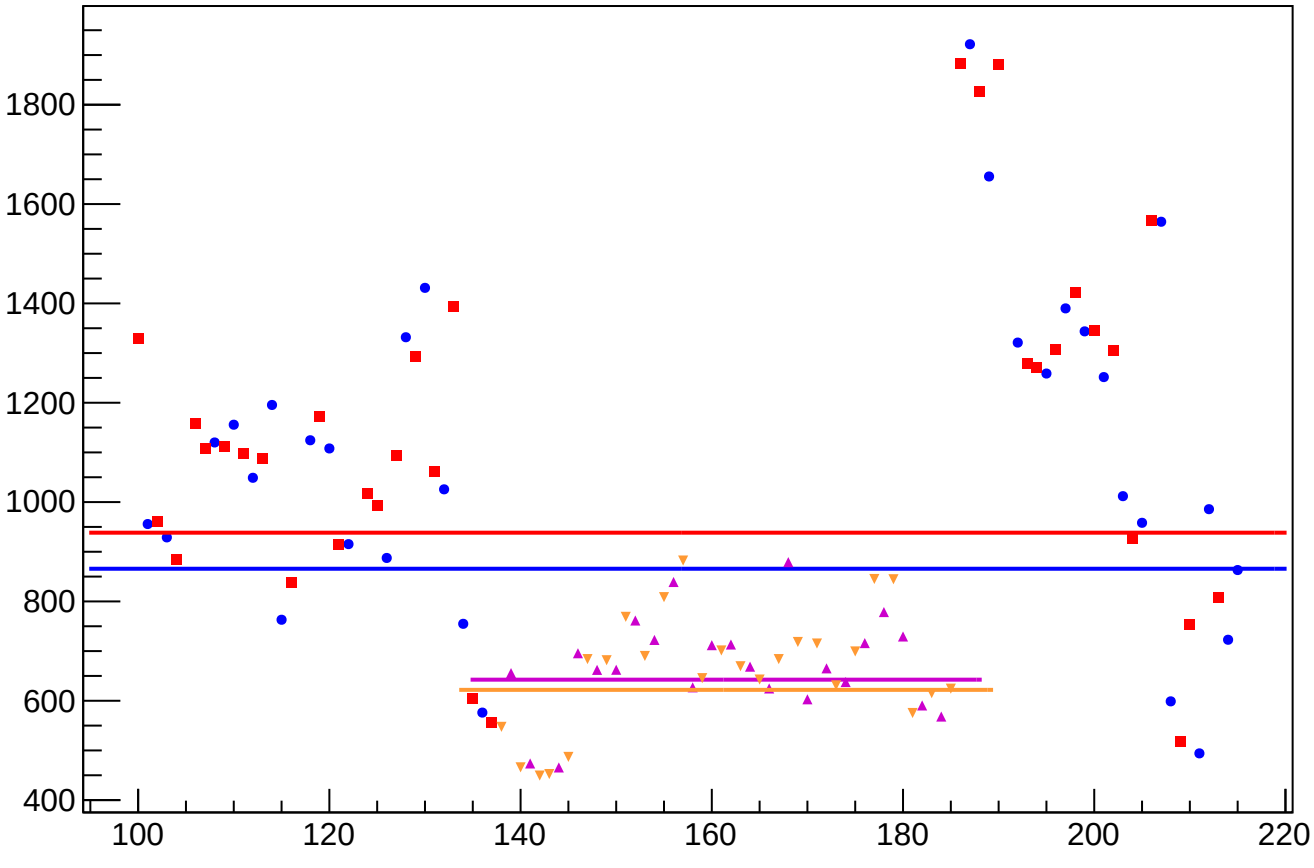
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 25.777+/-155.988 χ^2/NDF: 127.1/63

In: 315.247+/-123.469 χ^2/NDF:80.4/53

Out: -40.182+/-122.678 χ^2/NDF:117.1/57

All: 136.391+/-87.025 χ^2/NDF: 201.6/111



Right In: 865.794+/-0.149 χ^2/NDF: 4039704.3/30

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 938.388+/-0.164 χ^2/NDF: 4112340.8/32

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

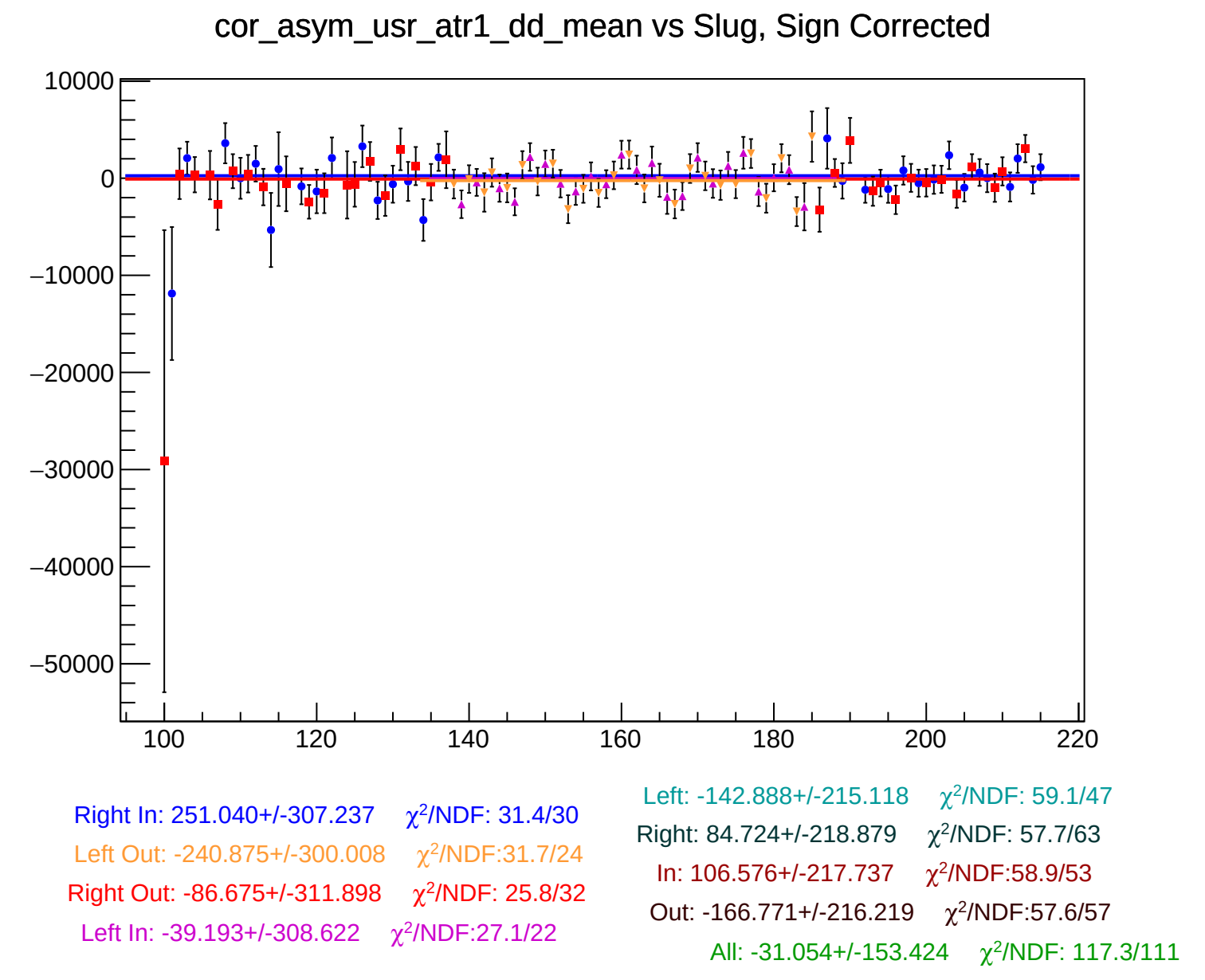
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

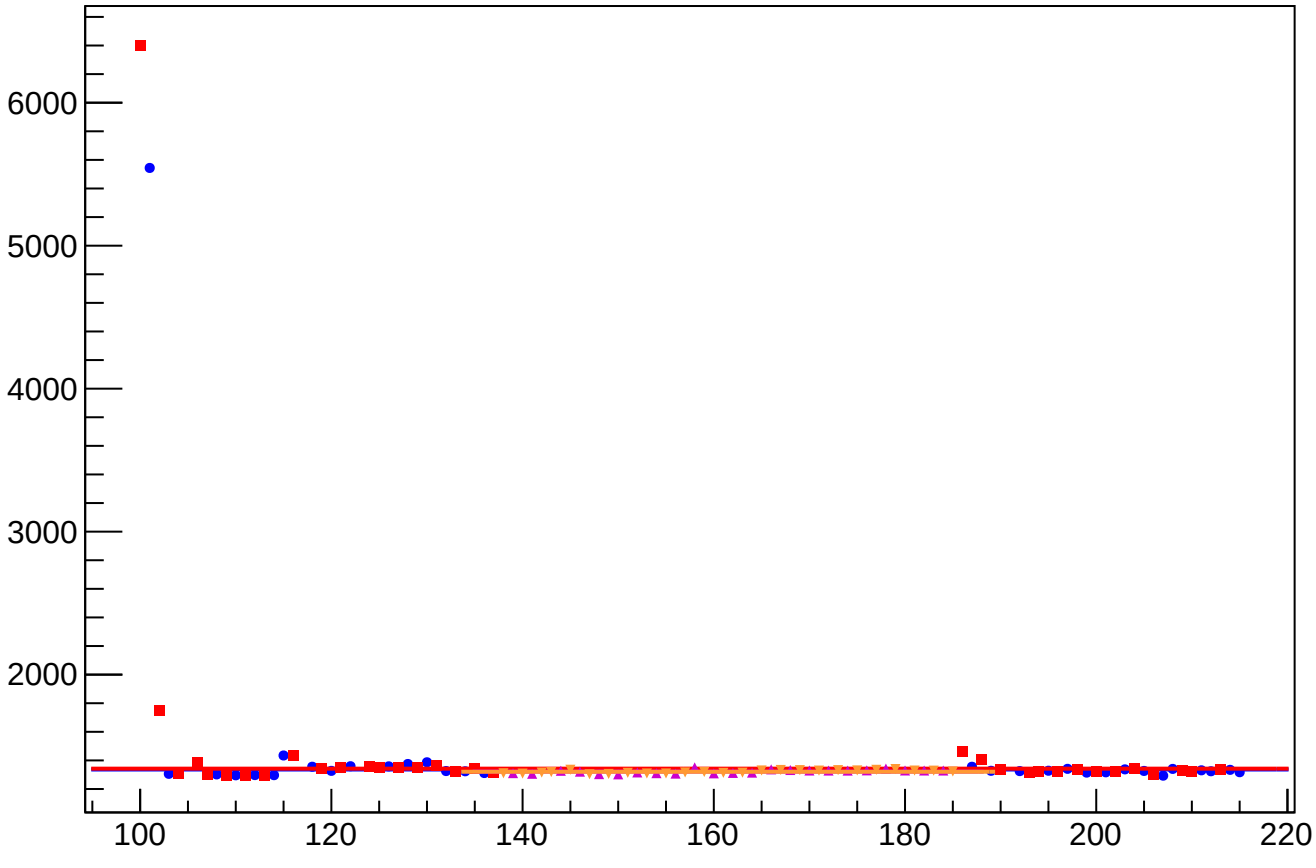
Right: 898.638+/-0.110 χ^2/NDF: 8259355.2/63

In: 719.083+/-0.087 χ^2/NDF:6440647.1/53

Out: 710.502+/-0.087 χ^2/NDF:8177502.5/57

All: 714.765+/-0.062 χ^2/NDF: 14623010.4/1


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: 251.040+/-307.237 χ²/NDF: 31.4/30
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -86.675+/-311.898 χ²/NDF: 25.8/32
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 84.724+/-218.879 χ²/NDF: 57.7/63
In: 106.576+/-217.737 χ²/NDF:58.9/53
Out: -166.771+/-216.219 χ²/NDF:57.6/57
All: -31.054+/-153.424 χ²/NDF: 117.3/111



Right In: 1336.427+/-0.217 χ^2/NDF: 767079.3/30

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.332+/-0.221 χ^2/NDF: 162442.2/32

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

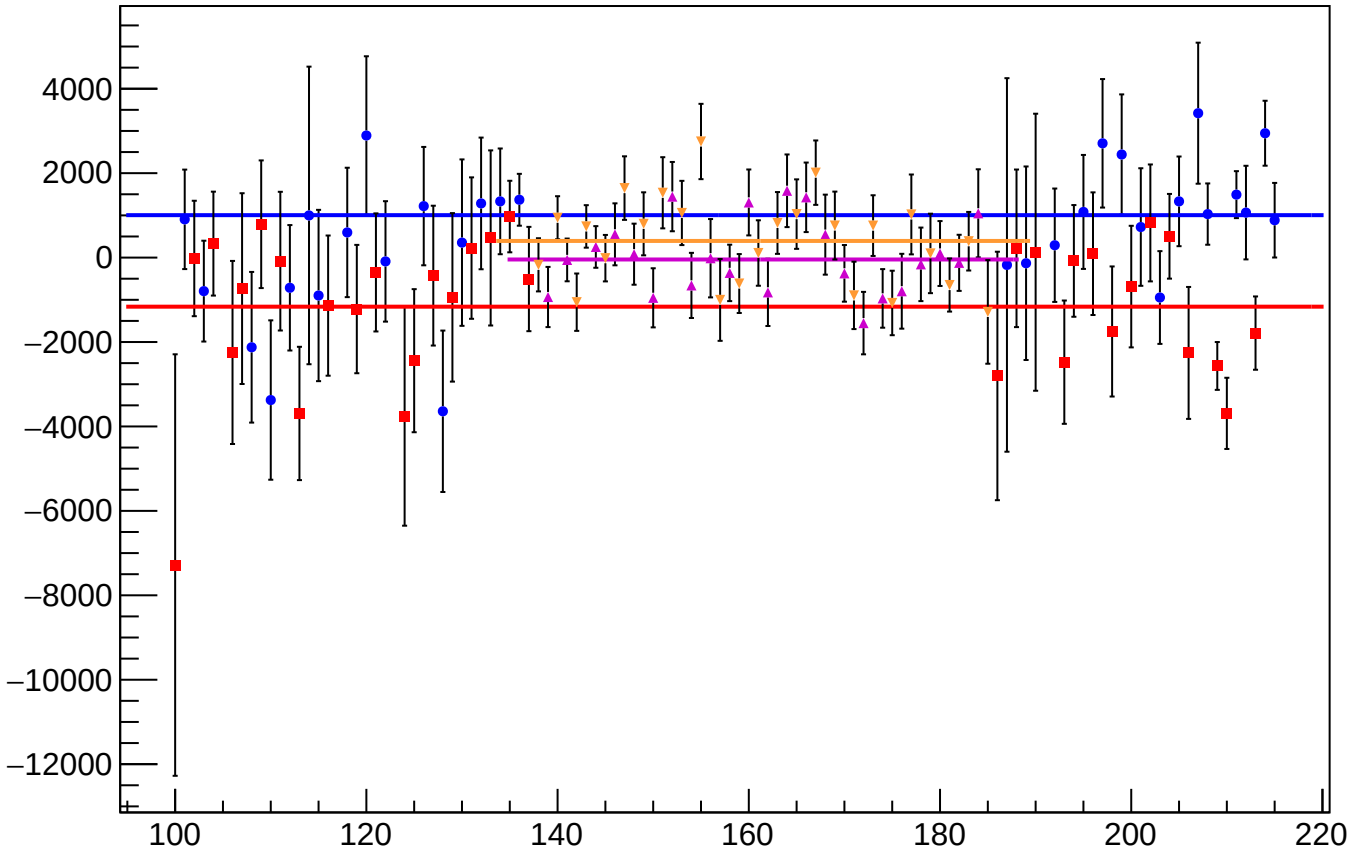
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1339.335+/-0.155 χ^2/NDF: 929885.3/63

In: 1329.138+/-0.154 χ^2/NDF:772894.2/53

Out: 1331.117+/-0.153 χ^2/NDF:170023.1/57

All: 1330.134+/-0.108 χ^2/NDF: 943000.5/111



Right In: 1005.320+/-210.787 χ^2/NDF: 36.5/30

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -1162.591+/-231.908 χ^2/NDF: 43.1/32

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

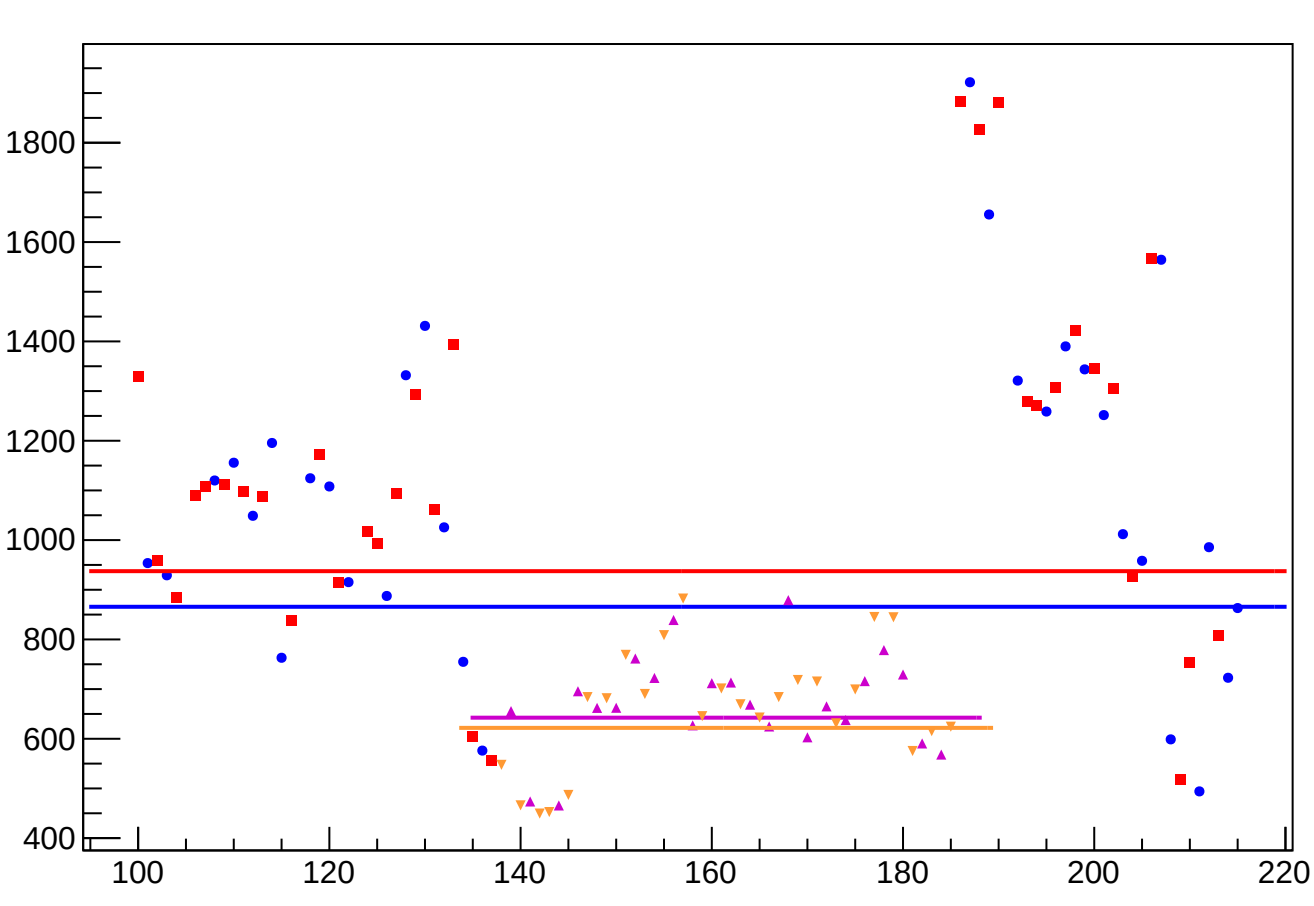
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 24.558+/-155.983 χ^2/NDF: 127.5/63

In: 315.502+/-123.465 χ^2/NDF:80.4/53

Out: -41.217+/-122.678 χ^2/NDF:117.4/57

All: 136.002+/-87.024 χ^2/NDF: 202.1/111



Right In: 865.739+/-0.149 χ^2/NDF: 4039345.1/30

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 937.437+/-0.164 χ^2/NDF: 4100522.0/32

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

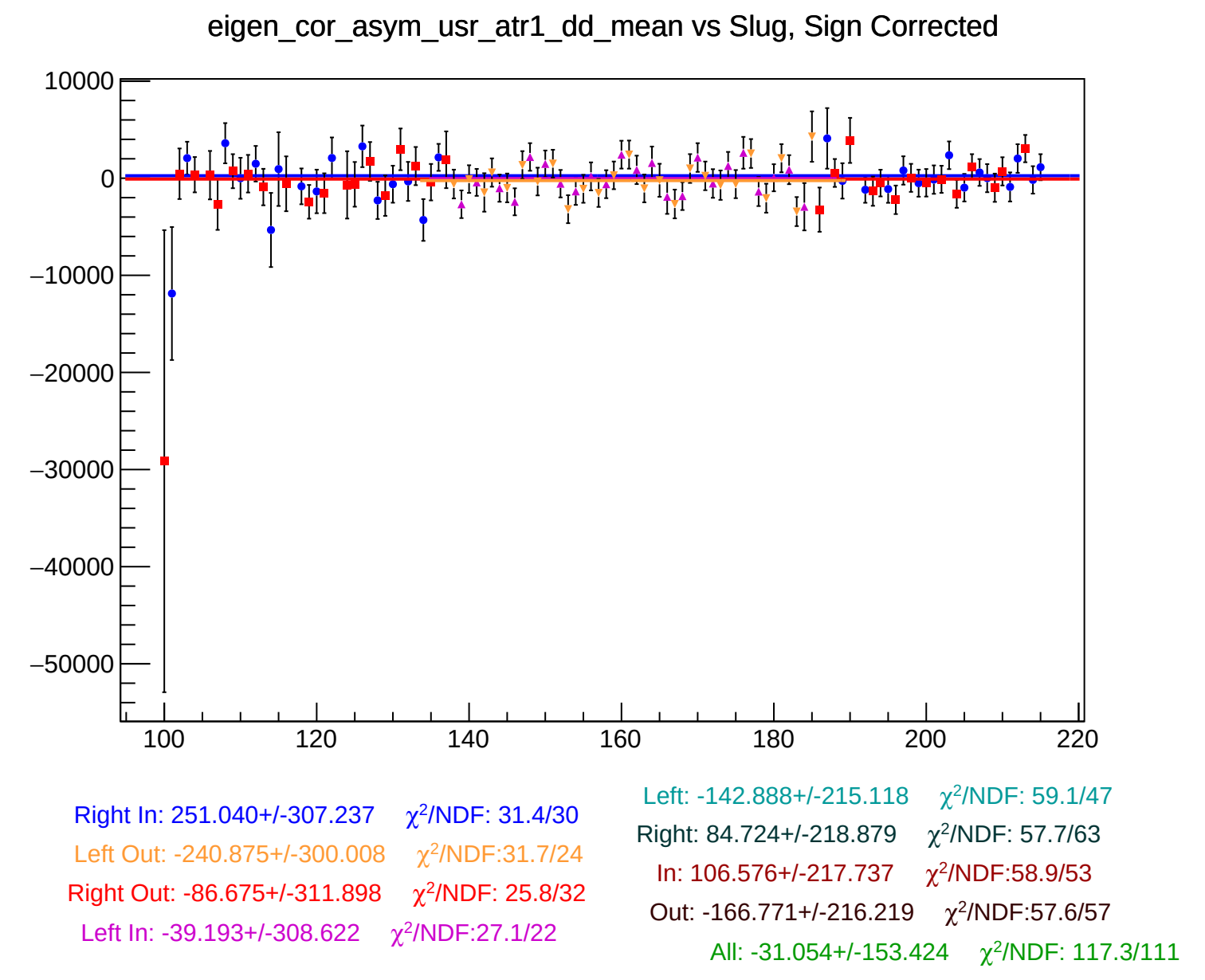
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 898.175+/-0.110 χ^2/NDF: 8244548.8/63

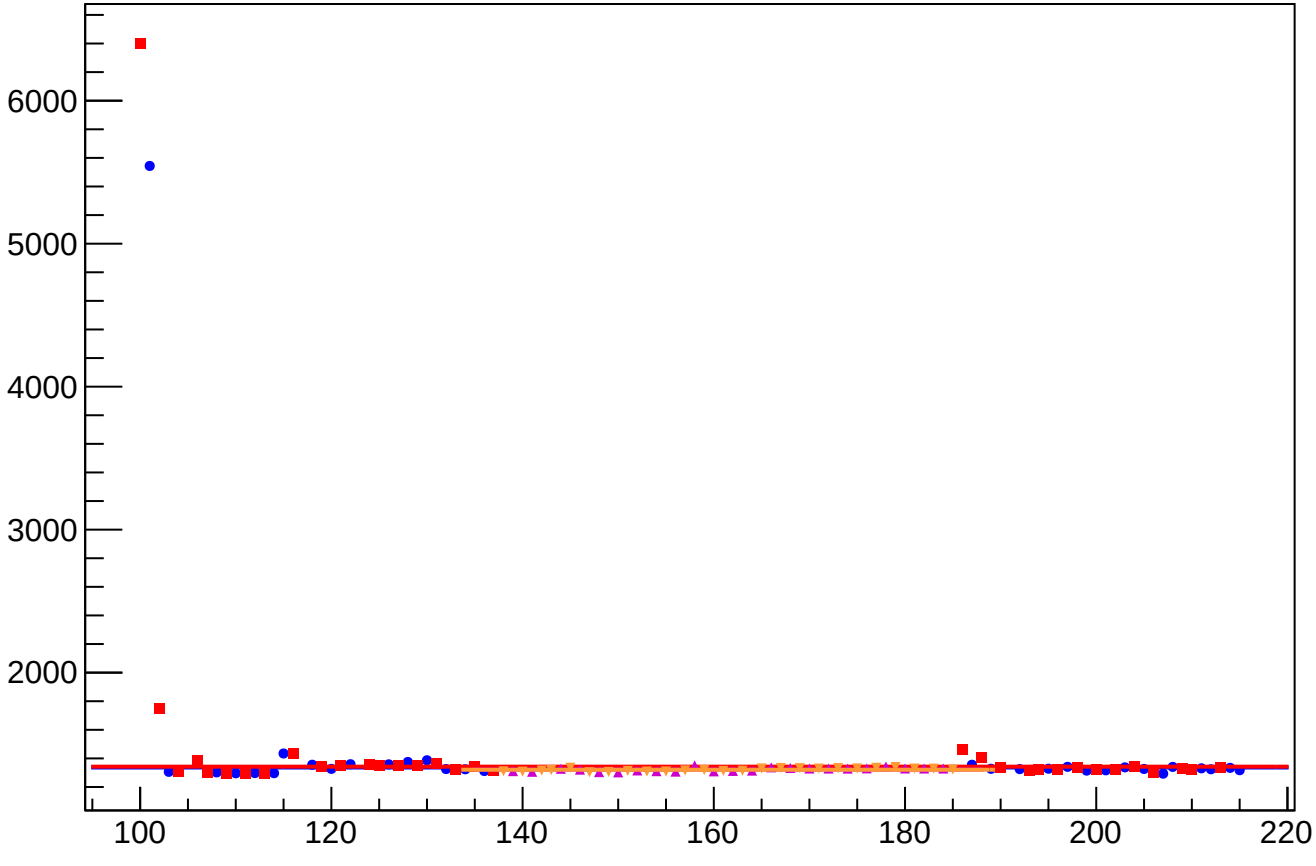
In: 719.067+/-0.087 χ^2/NDF:6439818.8/53

Out: 710.235+/-0.087 χ^2/NDF:8149472.2/57

All: 714.623+/-0.062 χ^2/NDF: 14594440.8/1


eigen_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: 251.040+/-307.237 χ²/NDF: 31.4/30
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -86.675+/-311.898 χ²/NDF: 25.8/32
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 84.724+/-218.879 χ²/NDF: 57.7/63
In: 106.576+/-217.737 χ²/NDF:58.9/53
Out: -166.771+/-216.219 χ²/NDF:57.6/57
All: -31.054+/-153.424 χ²/NDF: 117.3/111

eigen_cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1336.427+/-0.217 χ^2/NDF: 767079.3/30

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.332+/-0.221 χ^2/NDF: 162442.2/32

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

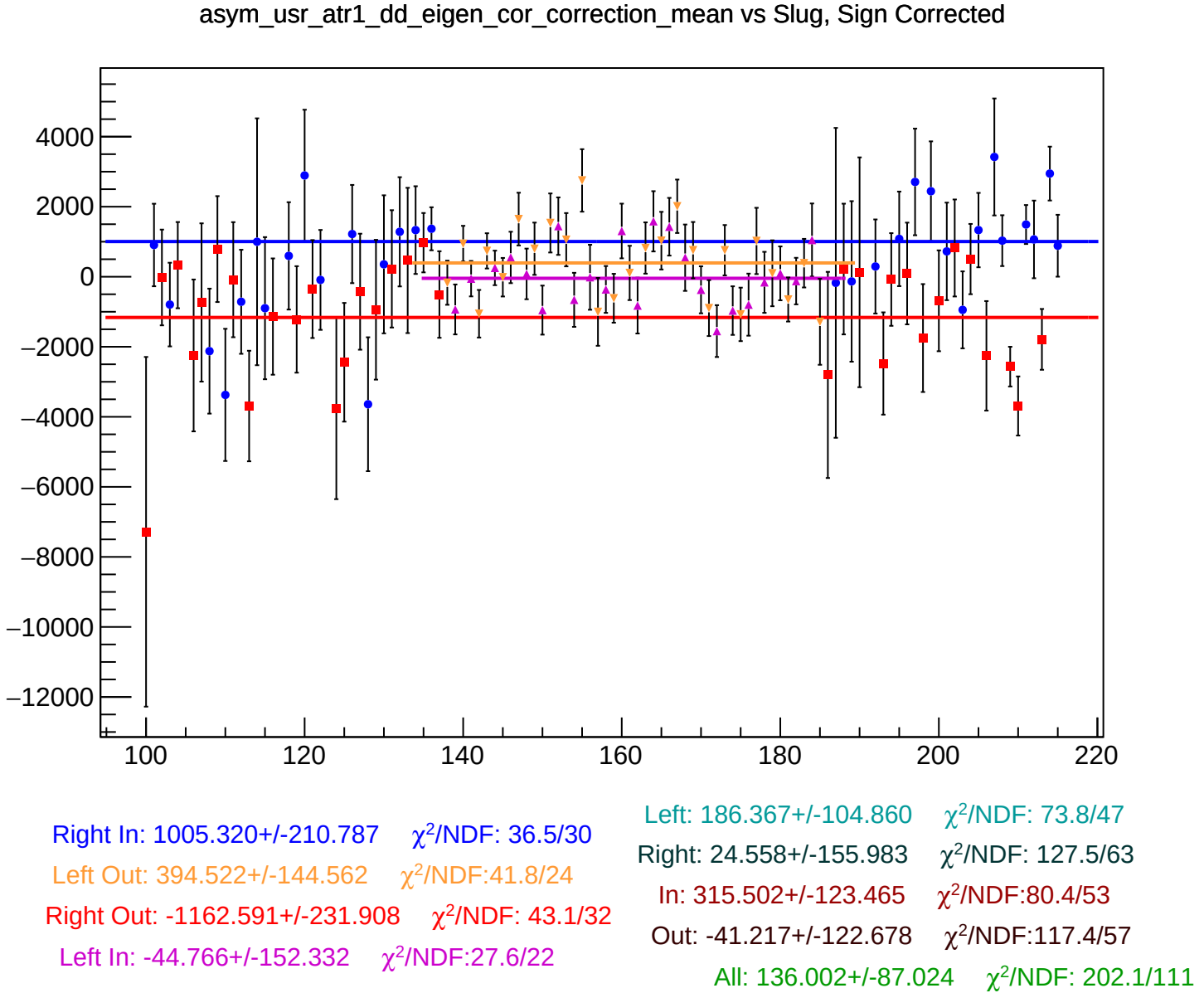
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

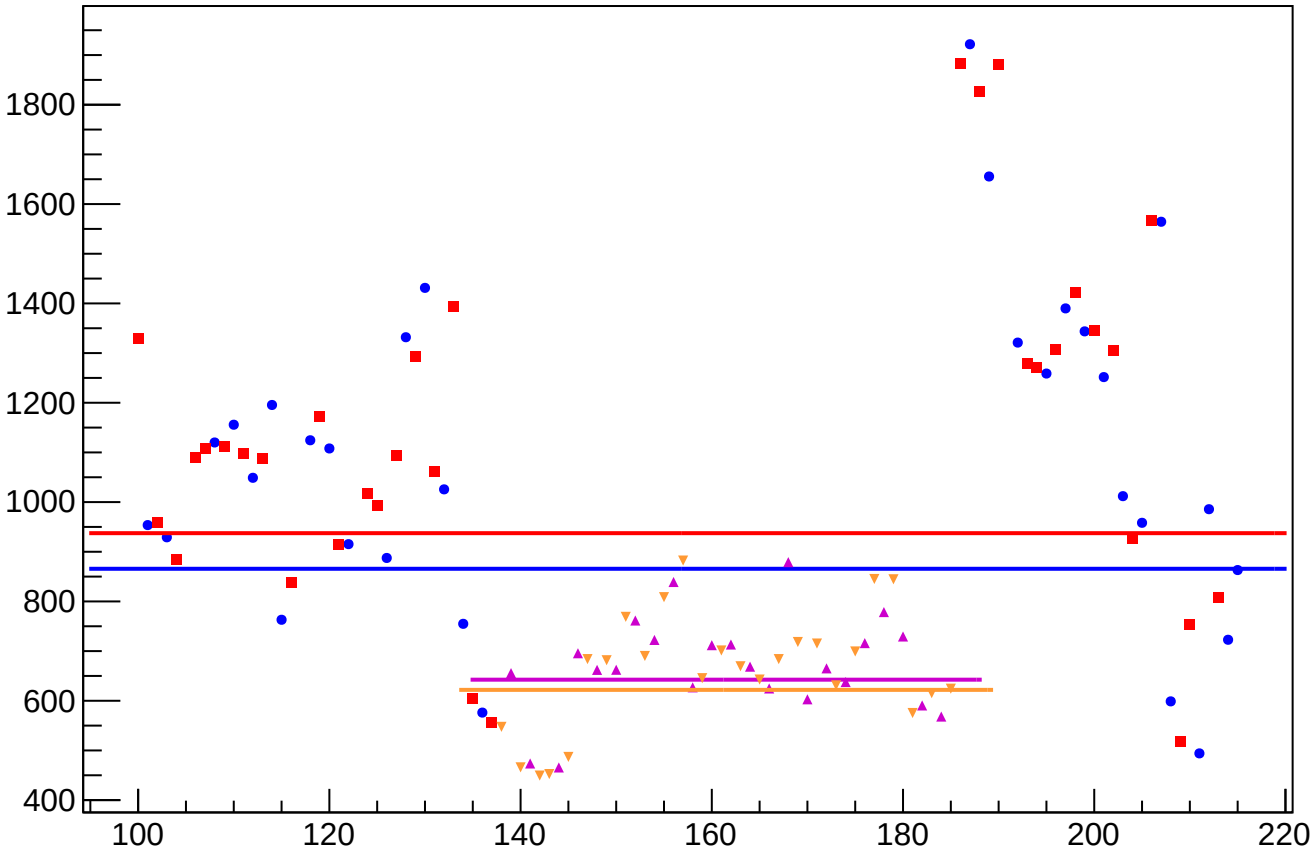
Right: 1339.335+/-0.155 χ^2/NDF: 929885.3/63

In: 1329.138+/-0.154 χ^2/NDF:772894.2/53

Out: 1331.117+/-0.153 χ^2/NDF:170023.1/57

All: 1330.134+/-0.108 χ^2/NDF: 943000.5/111


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 1005.320+/-210.787 χ²/NDF: 36.5/30
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -1162.591+/-231.908 χ²/NDF: 43.1/32
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: 24.558+/-155.983 χ²/NDF: 127.5/63
In: 315.502+/-123.465 χ²/NDF:80.4/53
Out: -41.217+/-122.678 χ²/NDF:117.4/57
All: 136.002+/-87.024 χ²/NDF: 202.1/111



Right In: 865.739+/-0.149 χ^2/NDF: 4039345.1/30

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 937.437+/-0.164 χ^2/NDF: 4100522.0/32

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

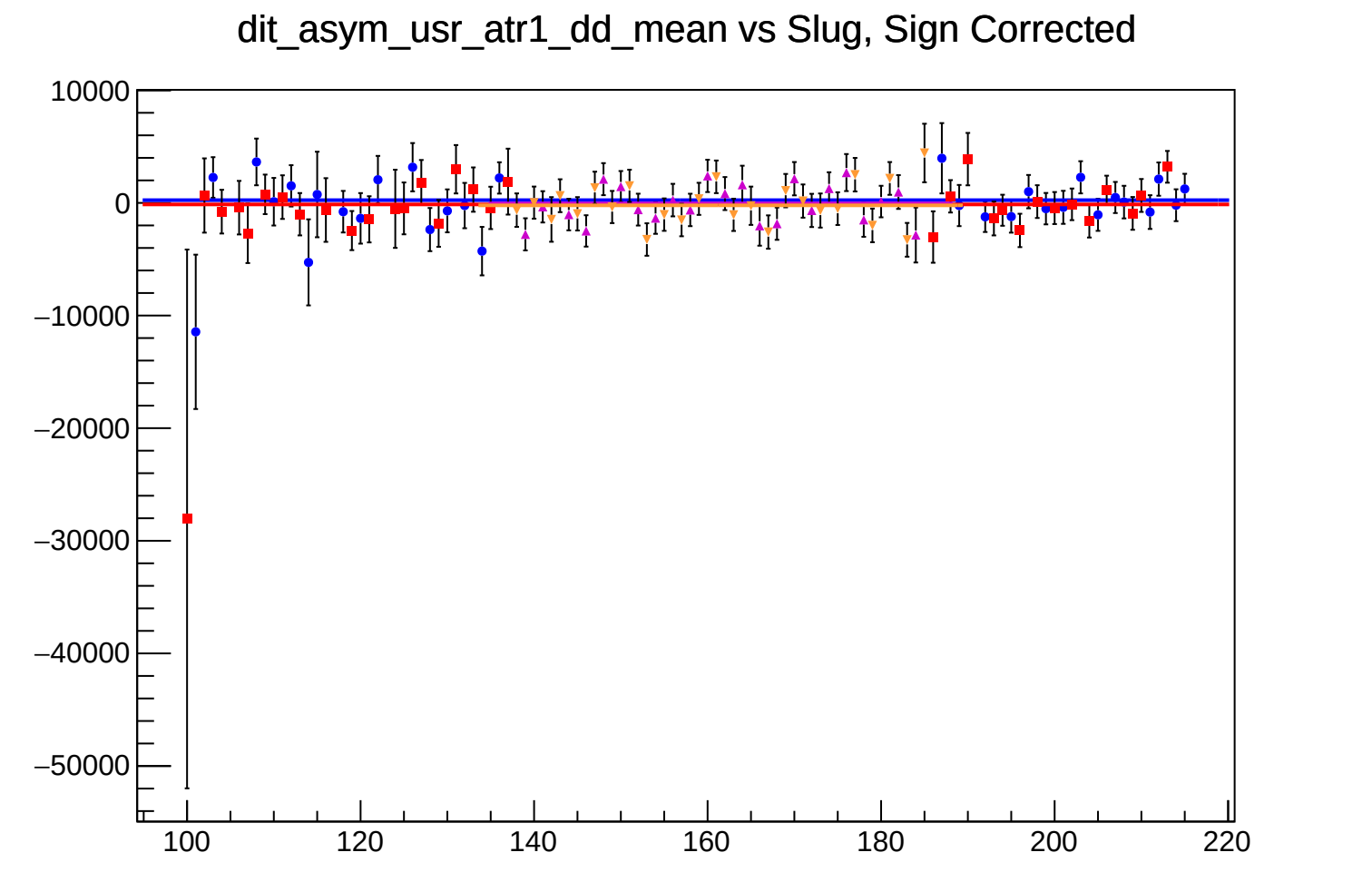
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 898.175+/-0.110 χ^2/NDF: 8244548.8/63

In: 719.067+/-0.087 χ^2/NDF:6439818.8/53

Out: 710.235+/-0.087 χ^2/NDF:8149472.2/57

All: 714.623+/-0.062 χ^2/NDF: 14594440.8/1



Right In: 244.449+/-308.502 χ^2/NDF: 31.6/30

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -134.709+/-313.875 χ^2/NDF: 26.4/32

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

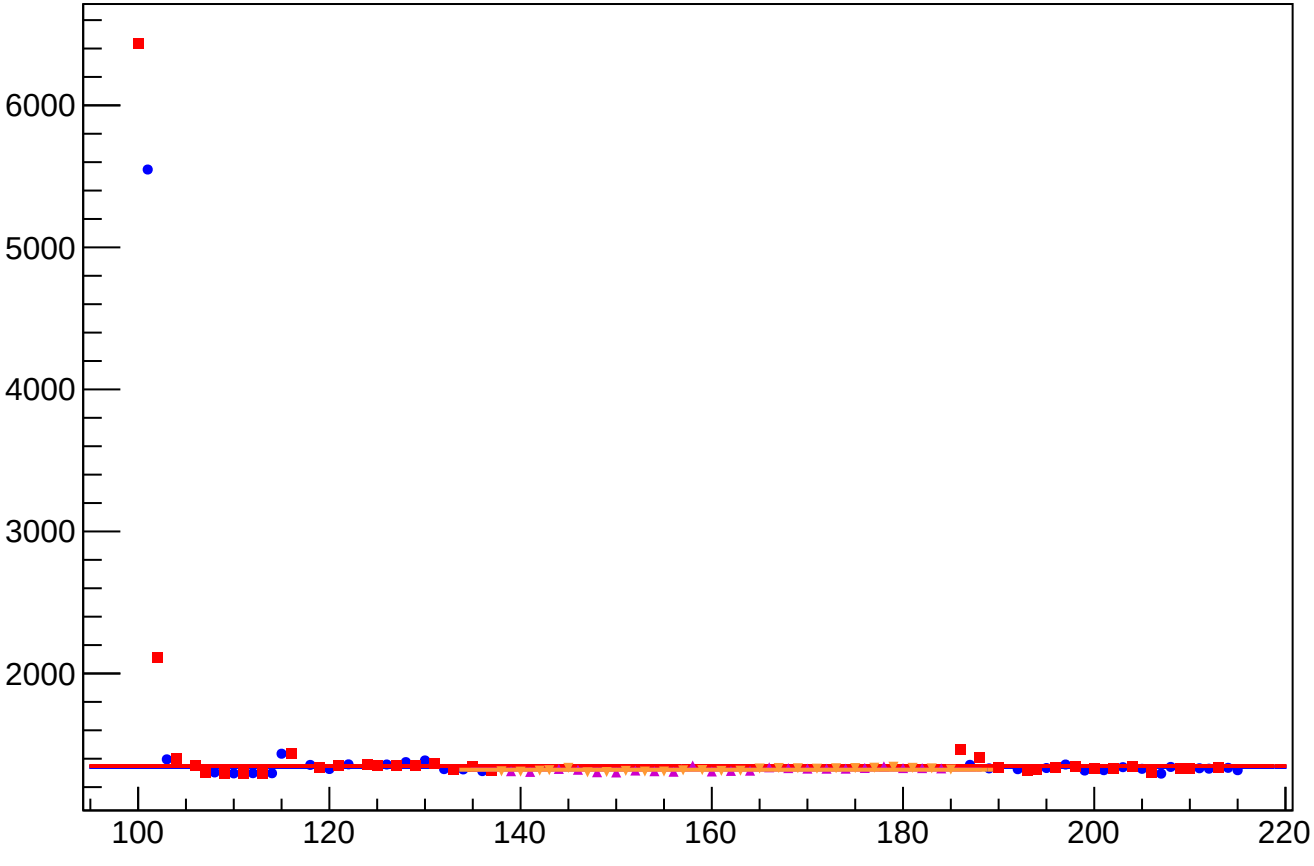
Right: 58.143+/-220.019 χ^2/NDF: 58.8/63

In: 97.334+/-218.315 χ^2/NDF:59.9/53

Out: -176.635+/-217.014 χ^2/NDF:57.7/57

All: -40.469+/-153.910 χ^2/NDF: 118.4/111

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1341.885+/-0.218 χ^2/NDF: 768104.6/30

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1348.584+/-0.222 χ^2/NDF: 220432.7/32

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

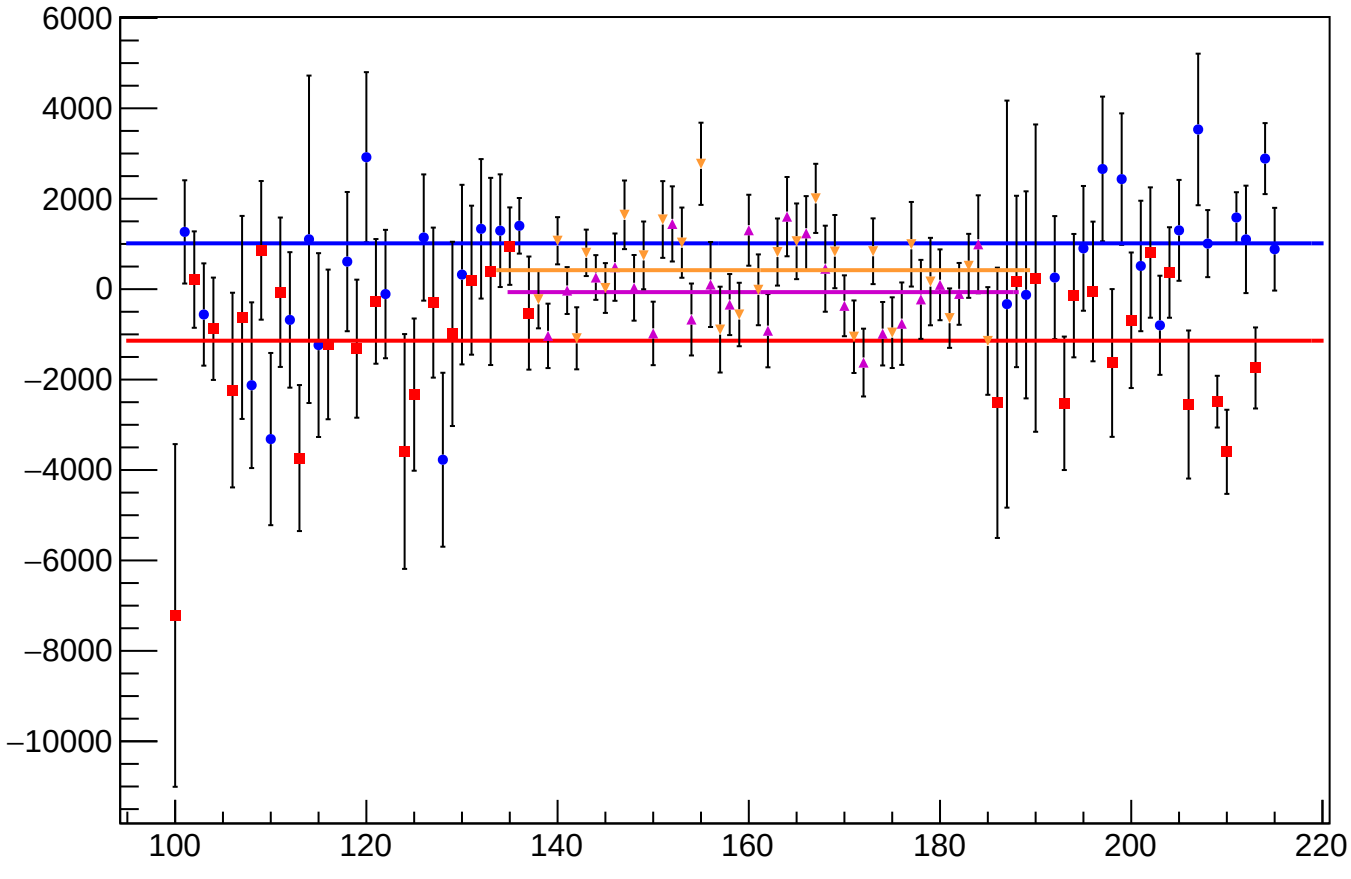
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1345.177+/-0.156 χ^2/NDF: 989000.7/63

In: 1332.626+/-0.154 χ^2/NDF:775569.9/53

Out: 1334.901+/-0.153 χ^2/NDF:230646.9/57

All: 1333.770+/-0.109 χ^2/NDF: 1006326.0/11



Right In: 1013.475+/-213.132 χ^2/NDF: 35.7/30

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -1139.904+/-233.343 χ^2/NDF: 39.5/32

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

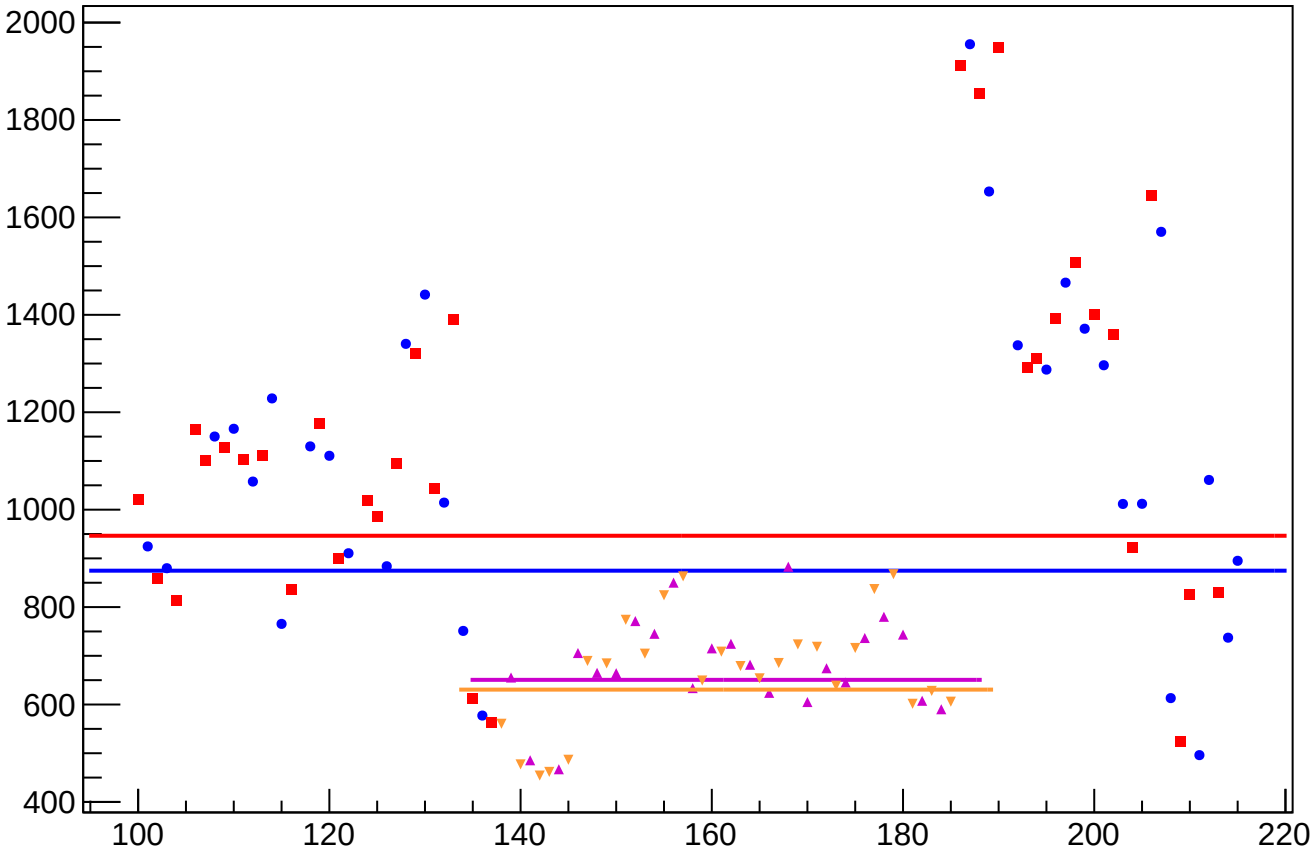
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 34.063+/-157.368 χ^2/NDF: 121.7/63

In: 305.367+/-124.944 χ^2/NDF:79.6/53

Out: -20.825+/-124.035 χ^2/NDF:113.1/57

All: 141.079+/-88.026 χ^2/NDF: 196.1/111



Right In: 874.753+/-0.151 χ^2/NDF: 4140203.8/30

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 946.449+/-0.165 χ^2/NDF: 4244041.1/32

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

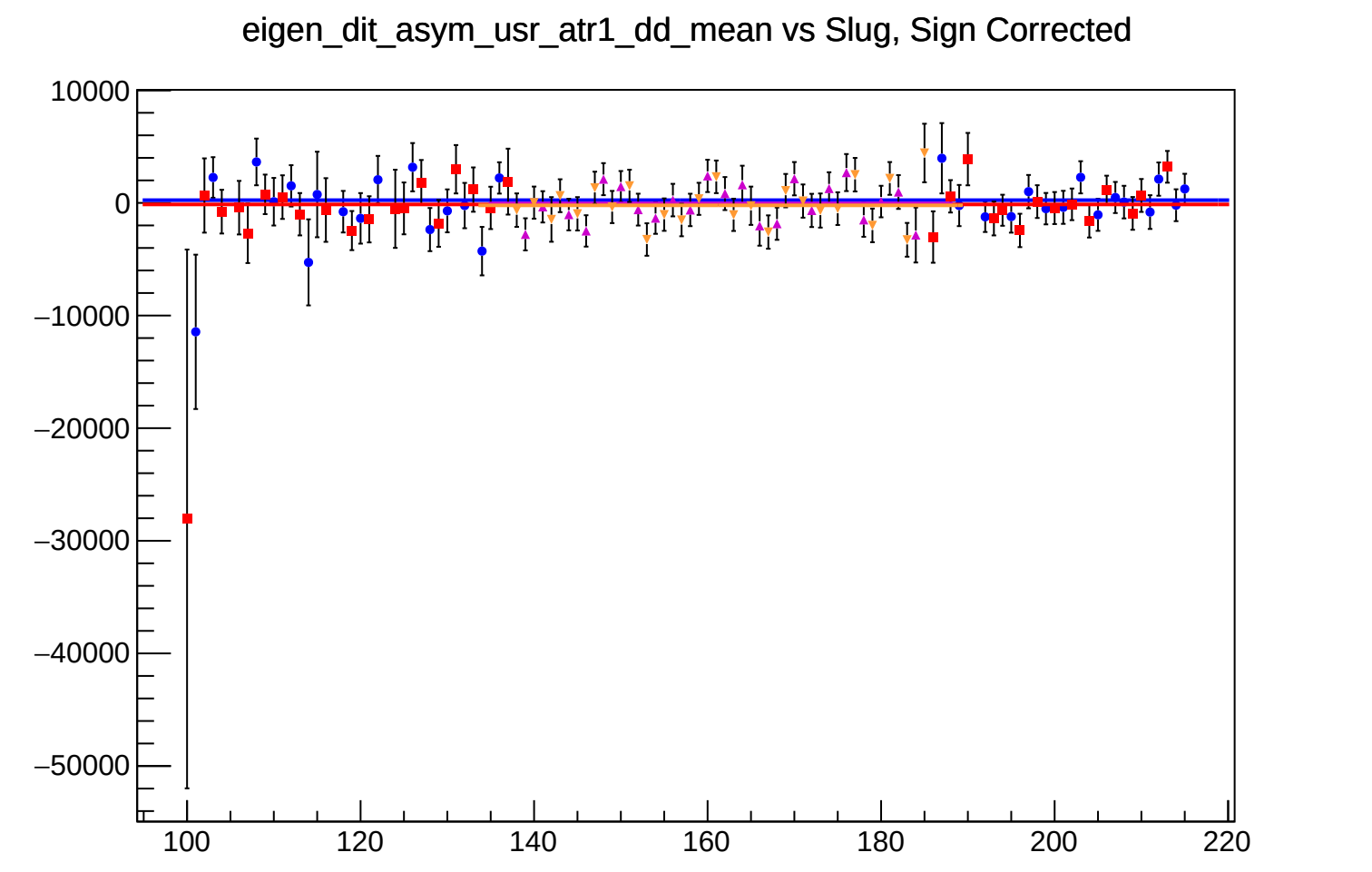
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 907.362+/-0.111 χ^2/NDF: 8487181.5/63

In: 727.657+/-0.088 χ^2/NDF:6513742.1/53

Out: 719.838+/-0.088 χ^2/NDF:8201779.2/57

All: 723.719+/-0.062 χ^2/NDF: 14719466.9/1



Right In: 244.449+/-308.502 χ^2/NDF: 31.6/30

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -134.708+/-313.875 χ^2/NDF: 26.4/32

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

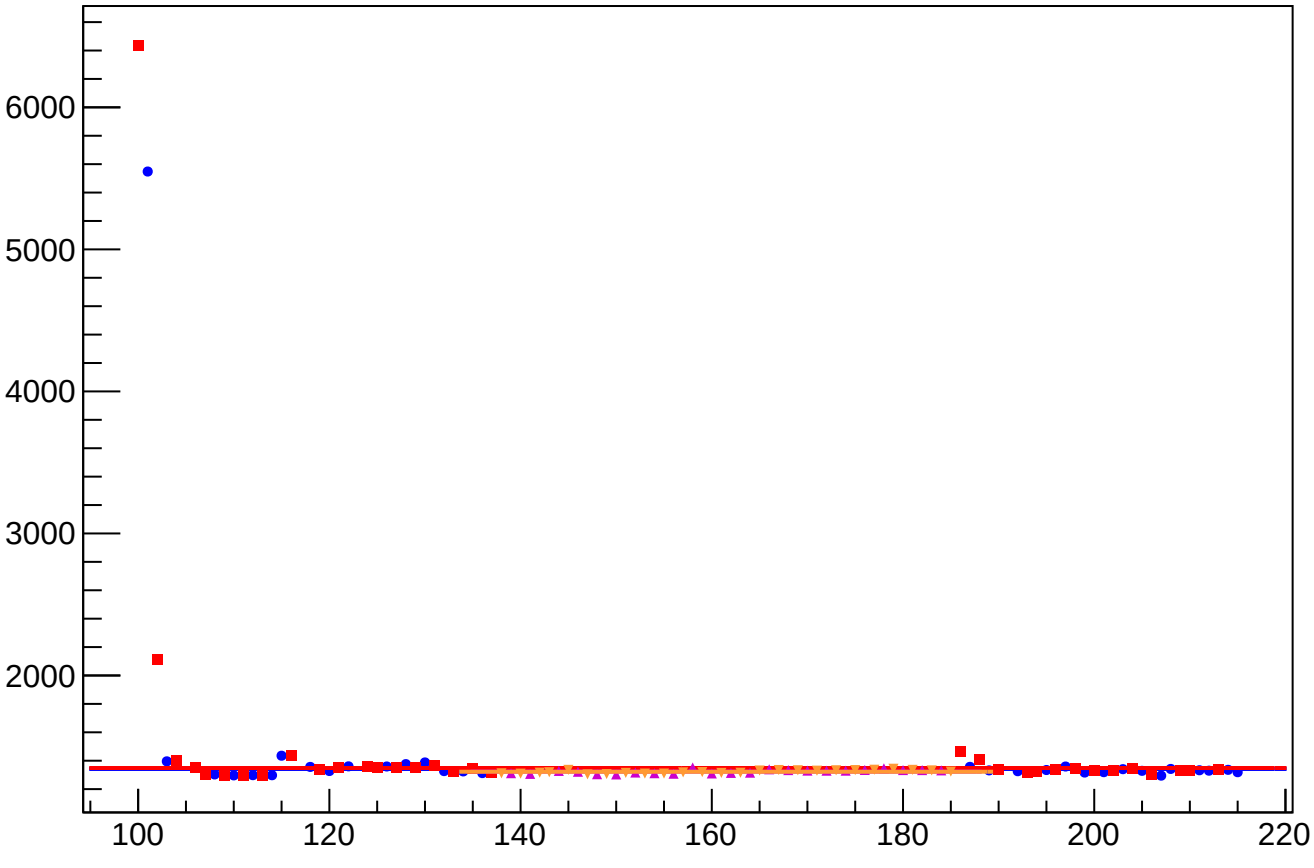
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 58.144+/-220.019 χ^2/NDF: 58.8/63

In: 97.334+/-218.315 χ^2/NDF:59.9/53

Out: -176.635+/-217.014 χ^2/NDF:57.7/57

All: -40.469+/-153.910 χ^2/NDF: 118.4/111



Right In: 1341.885+/-0.218 χ^2/NDF: 768104.5/30

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1348.584+/-0.222 χ^2/NDF: 220432.6/32

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

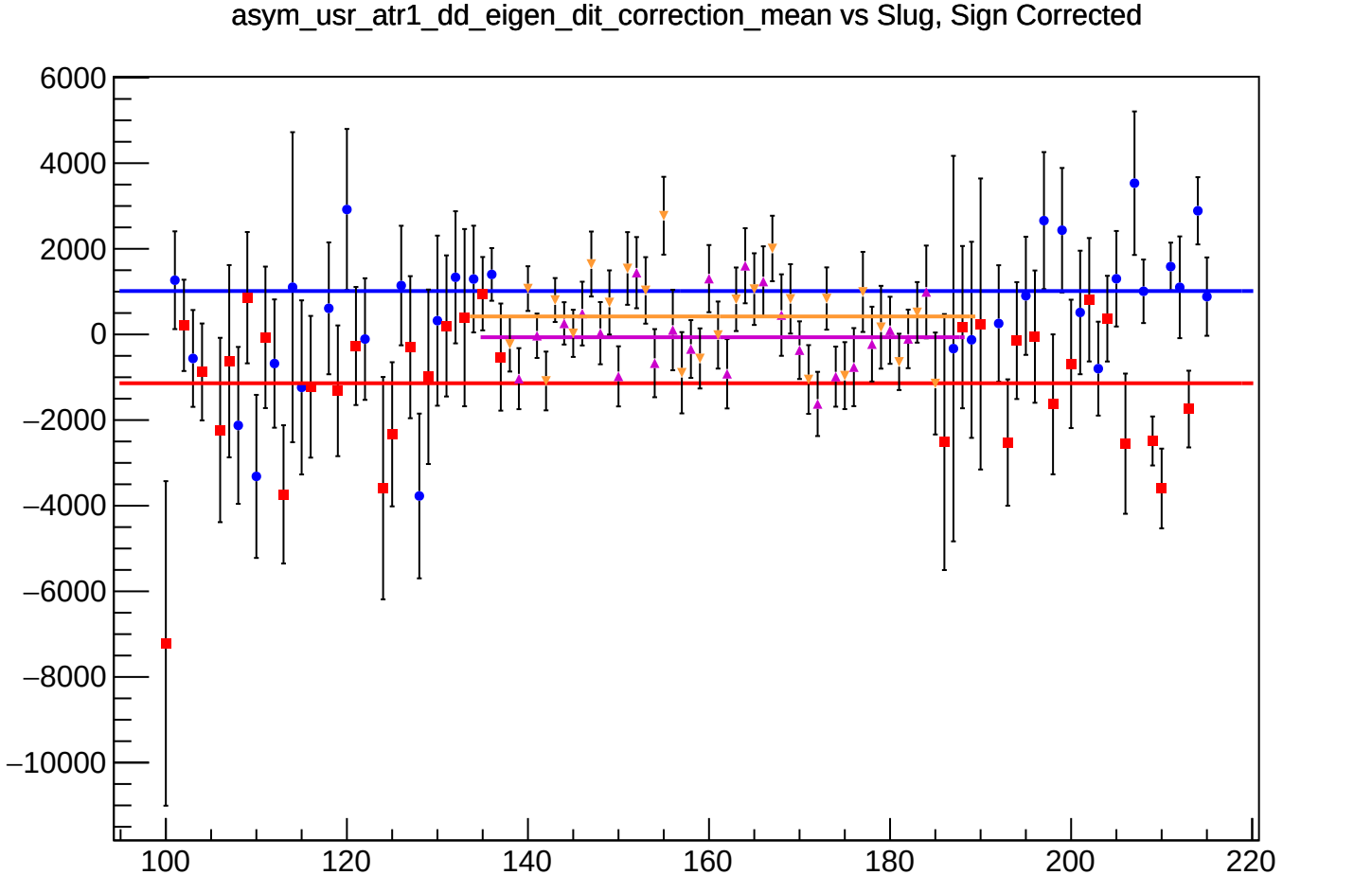
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1345.177+/-0.156 χ^2/NDF: 989000.6/63

In: 1332.626+/-0.154 χ^2/NDF:775569.9/53

Out: 1334.901+/-0.153 χ^2/NDF:230646.8/57

All: 1333.770+/-0.109 χ^2/NDF: 1006325.9/11



Right In: 1013.472+/-213.132 χ^2/NDF: 35.7/30

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -1139.904+/-233.342 χ^2/NDF: 39.5/32

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

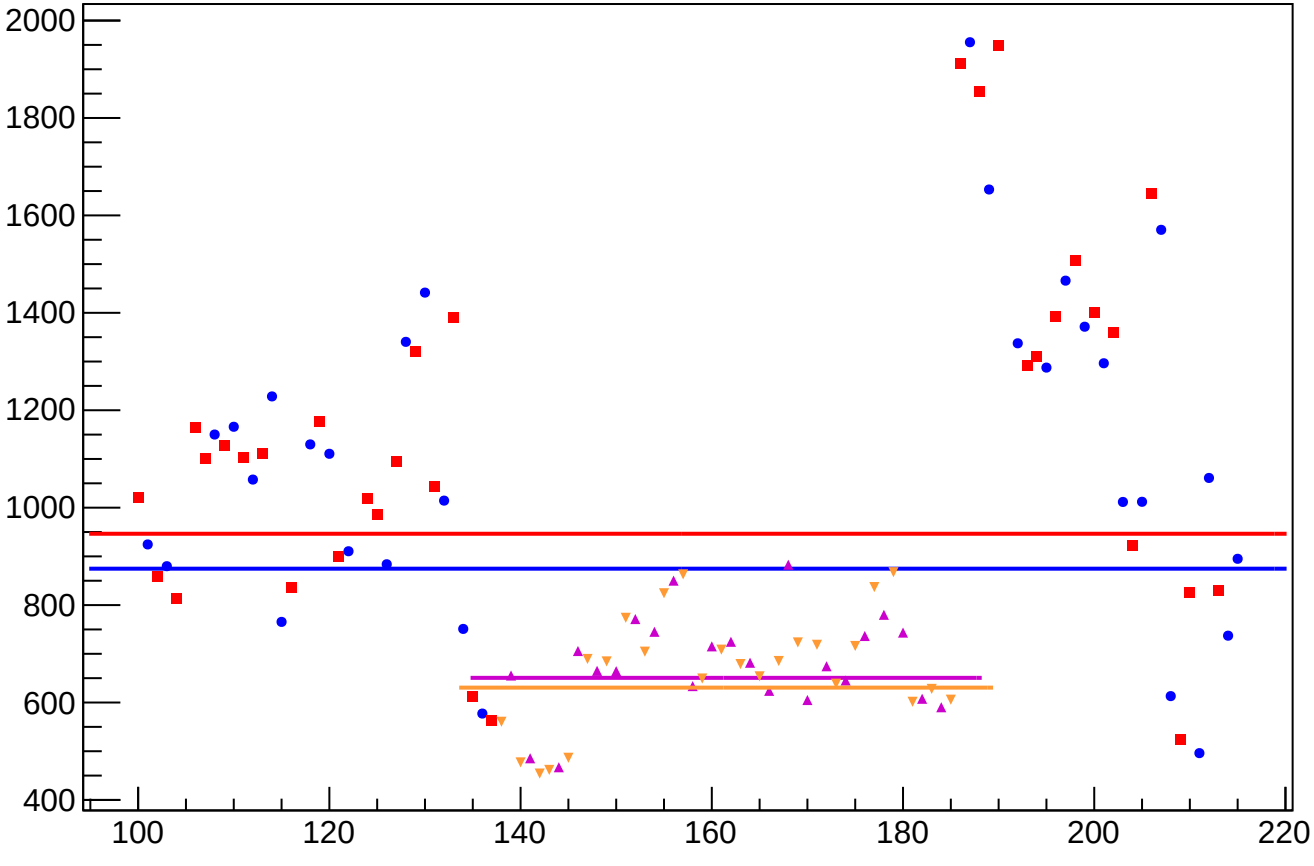
Right: 34.060+/-157.368 χ^2/NDF: 121.7/63

In: 305.368+/-124.944 χ^2/NDF:79.6/53

Out: -20.827+/-124.035 χ^2/NDF:113.1/57

All: 141.078+/-88.026 χ^2/NDF: 196.1/111

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 874.753+/-0.151 χ^2/NDF: 4140197.6/30

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 946.447+/-0.165 χ^2/NDF: 4244067.7/32

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

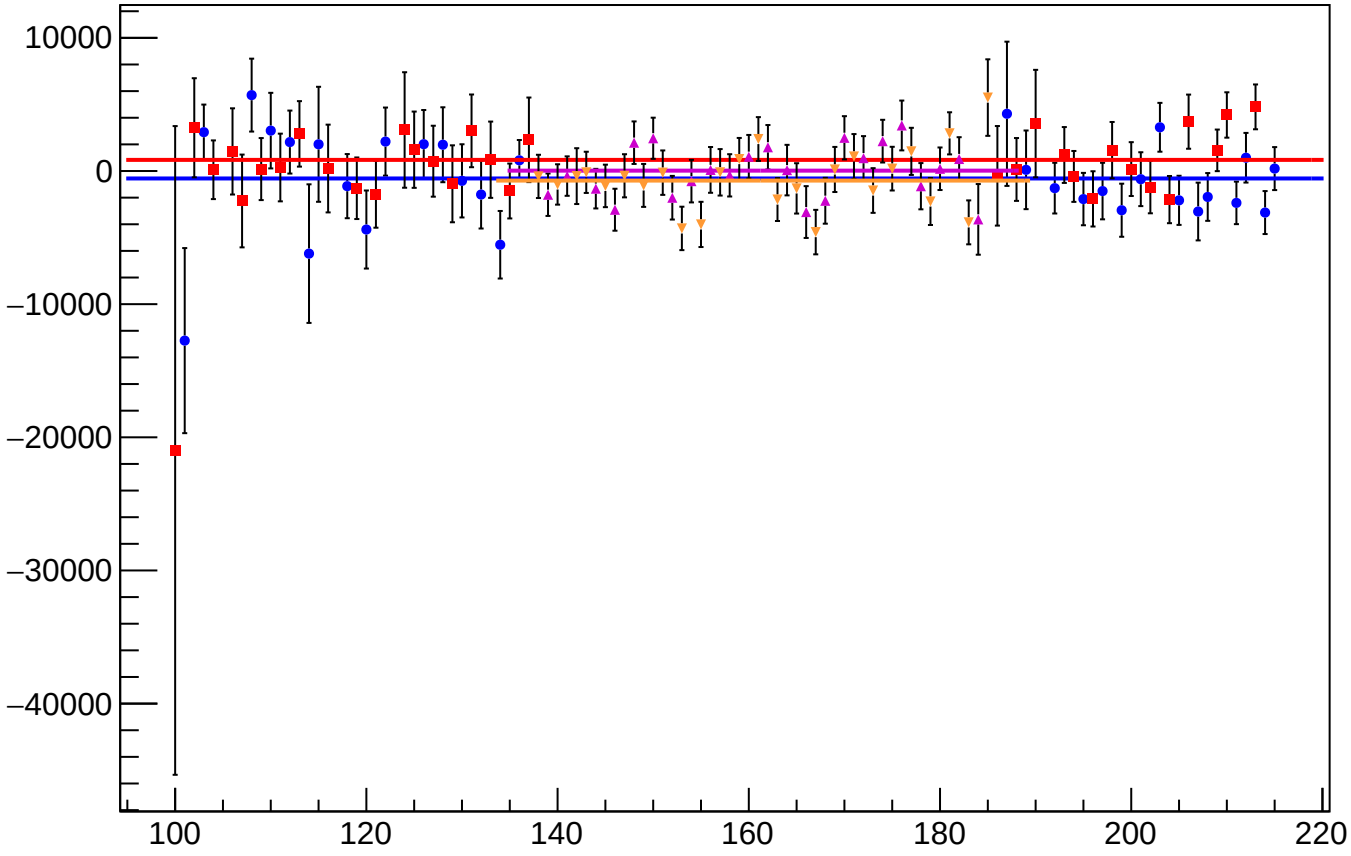
Right: 907.361+/-0.111 χ^2/NDF: 8487197.5/63

In: 727.658+/-0.088 χ^2/NDF:6513723.9/53

Out: 719.838+/-0.088 χ^2/NDF:8201785.9/57

All: 723.720+/-0.062 χ^2/NDF: 14719456.0/1

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -559.966+/-397.287 χ^2/NDF: 40.3/30

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 835.238+/-412.974 χ^2/NDF: 26.7/32

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

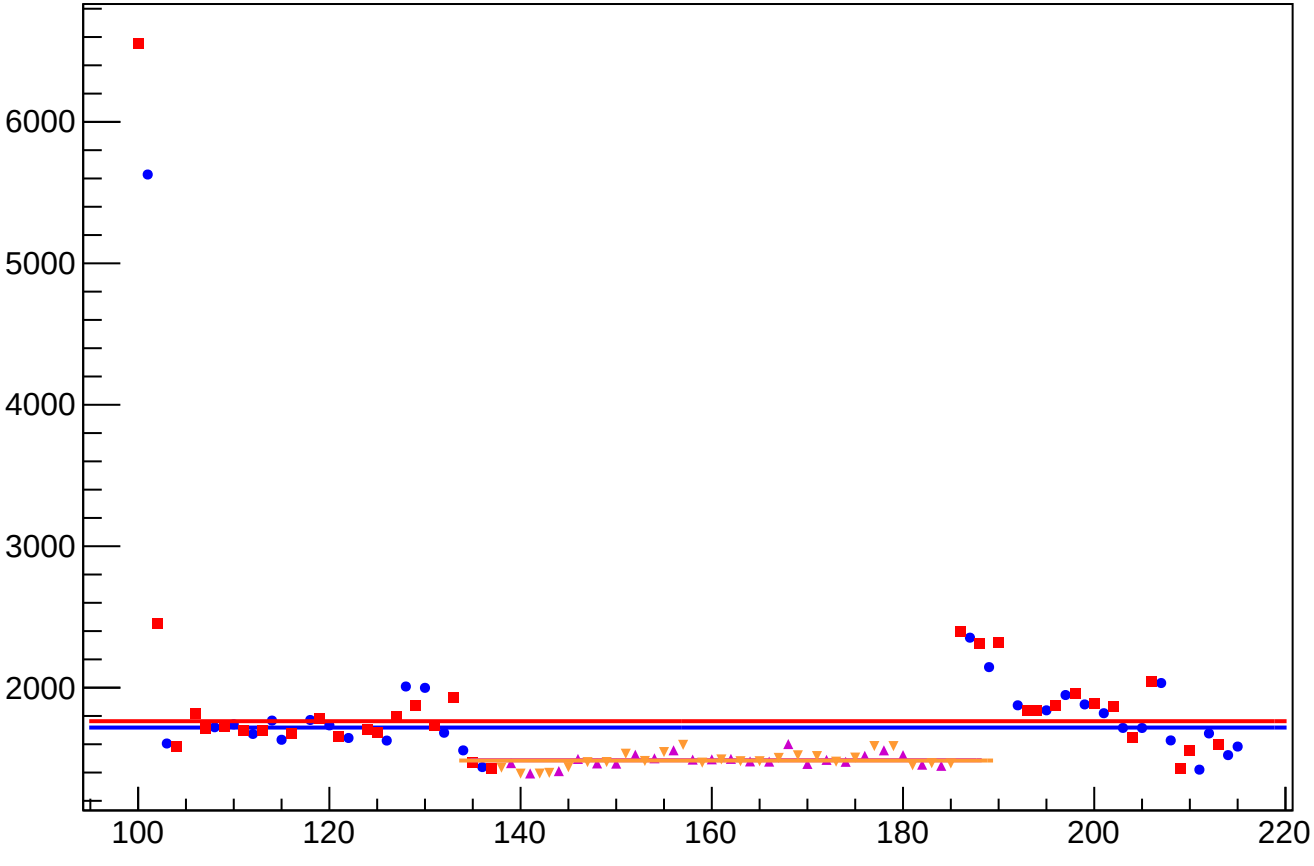
Right: 110.635+/-286.309 χ^2/NDF: 72.9/63

In: -227.058+/-261.525 χ^2/NDF:69.5/53

Out: -96.026+/-261.367 χ^2/NDF:72.9/57

All: -161.503+/-184.870 χ^2/NDF: 142.6/111

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1718.070+/-0.281 χ^2/NDF: 1057185.2/30

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1763.038+/-0.292 χ^2/NDF: 675500.7/32

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

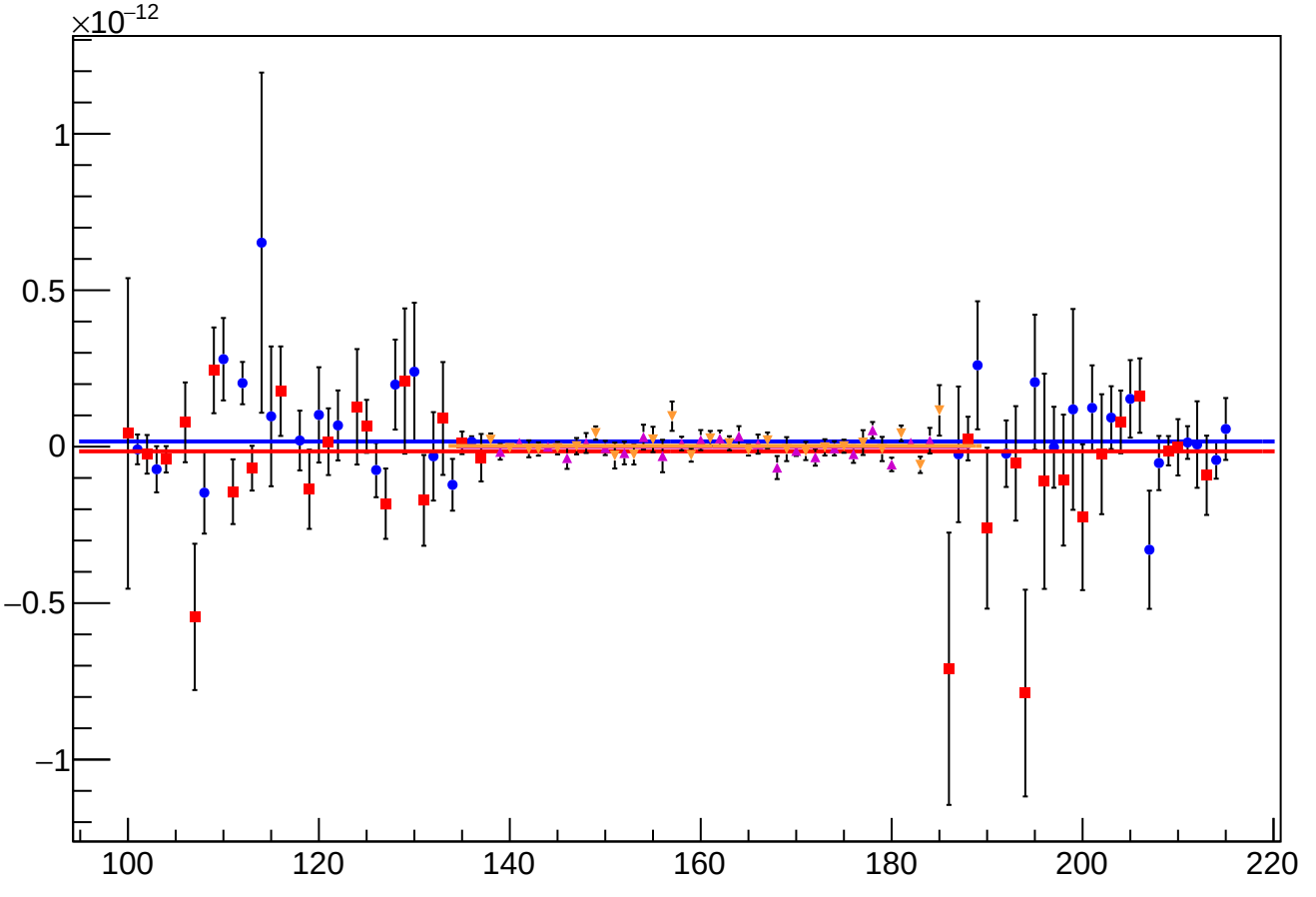
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1739.684+/-0.202 χ^2/NDF: 1745001.5/63

In: 1587.193+/-0.185 χ^2/NDF:1475019.2/53

Out: 1596.344+/-0.185 χ^2/NDF:1269997.8/57

All: 1591.772+/-0.131 χ^2/NDF: 2746242.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/32

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

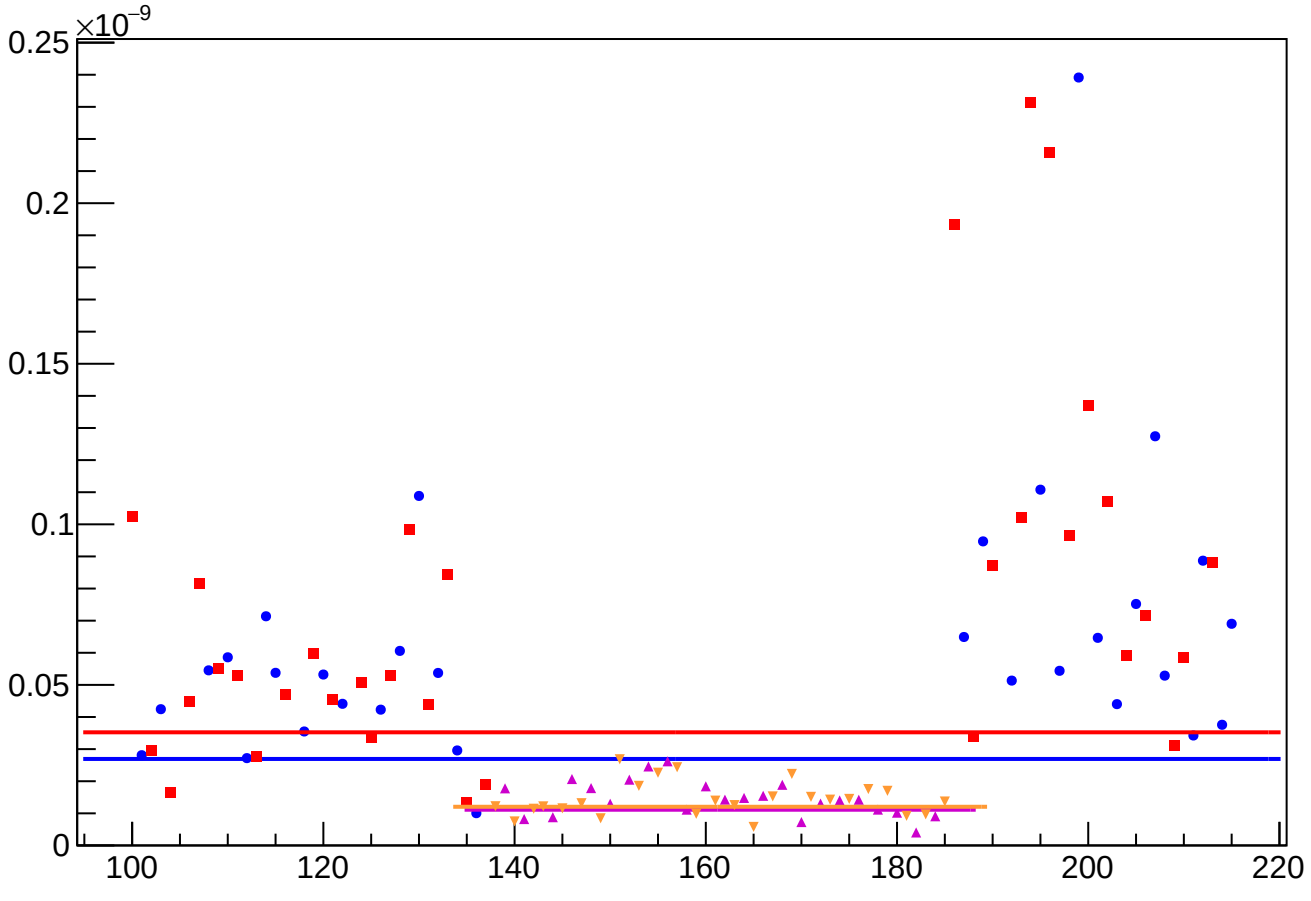
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 71.3/63

In: 0.000+/-0.000 χ^2/NDF:60.1/53

Out: 0.000+/-0.000 χ^2/NDF:61.7/57

All: 0.000+/-0.000 χ^2/NDF: 121.9/111



Right In: 0.000+/-0.000 χ^2/NDF: 6598664.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5480476.7/32

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

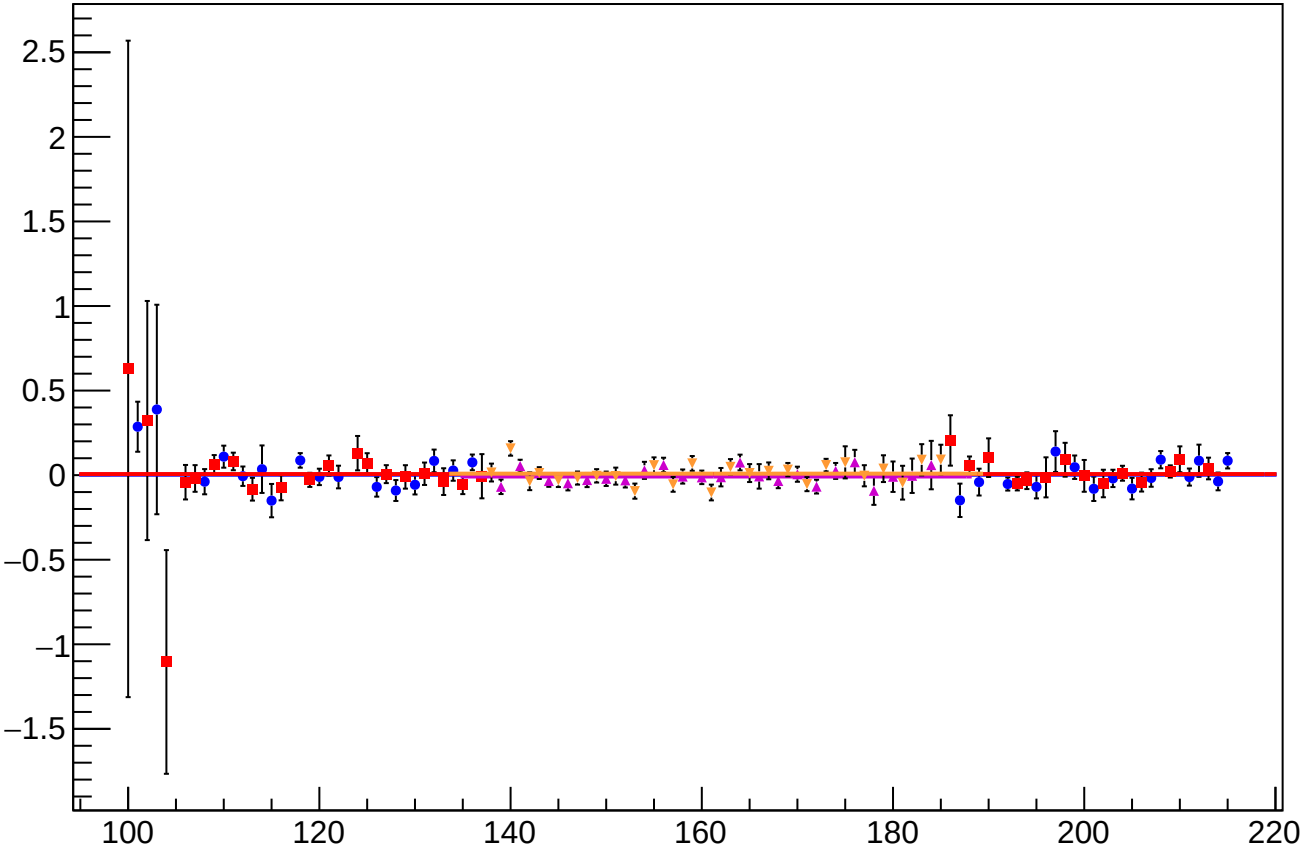
Right: 0.000+/-0.000 χ^2/NDF: 12409100.4/63

In: 0.000+/-0.000 χ^2/NDF:11531568.6/53

Out: 0.000+/-0.000 χ^2/NDF:10818077.8/57

All: 0.000+/-0.000 χ^2/NDF: 22389396.5/111

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.011 χ^2/NDF: 41.1/30

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.006+/-0.011 χ^2/NDF: 24.8/32

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

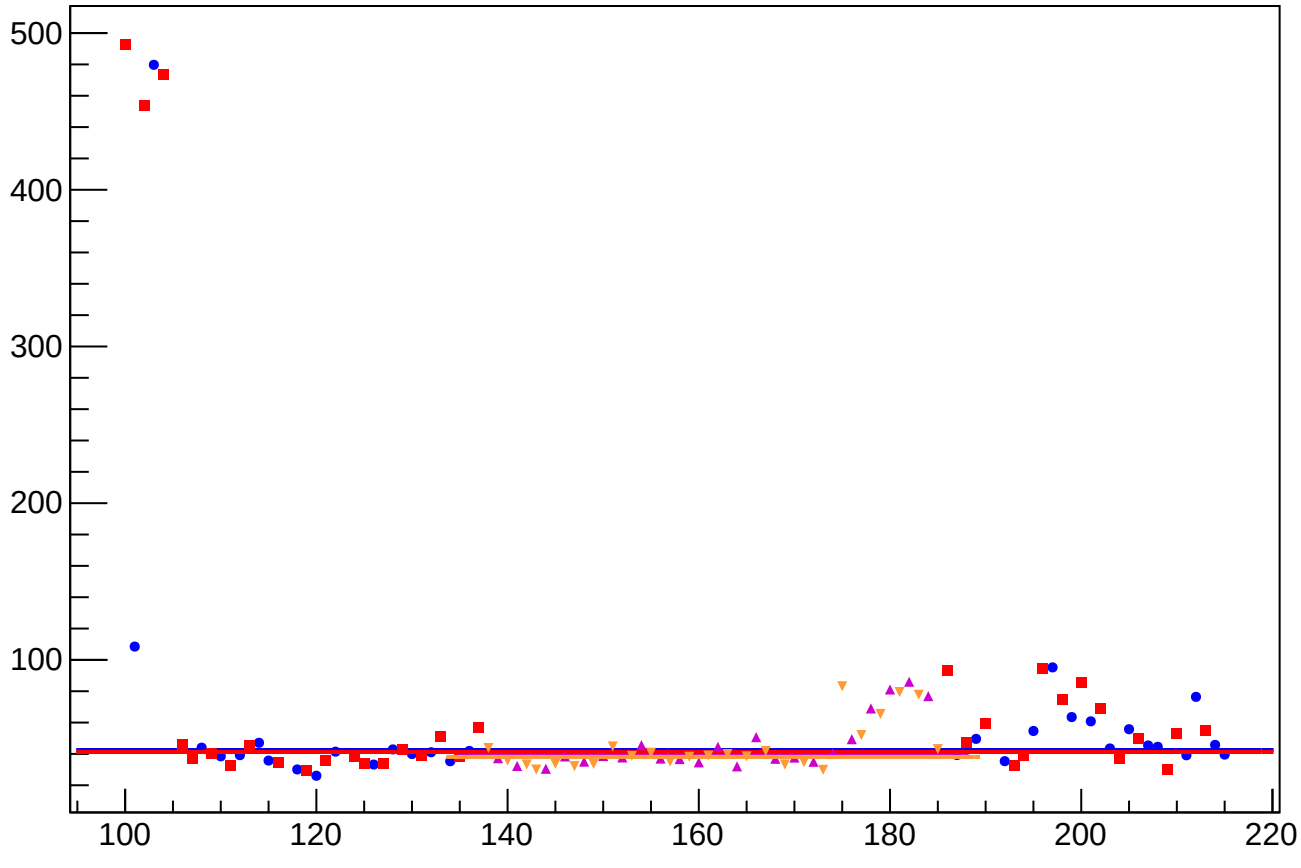
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.005+/-0.008 χ^2/NDF: 65.9/63

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.002+/-0.005 χ^2/NDF: 125.0/111



Right In: 42.491+/-0.008 χ^2/NDF: 3123231.7/30

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.208+/-0.008 χ^2/NDF: 4181435.6/32

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

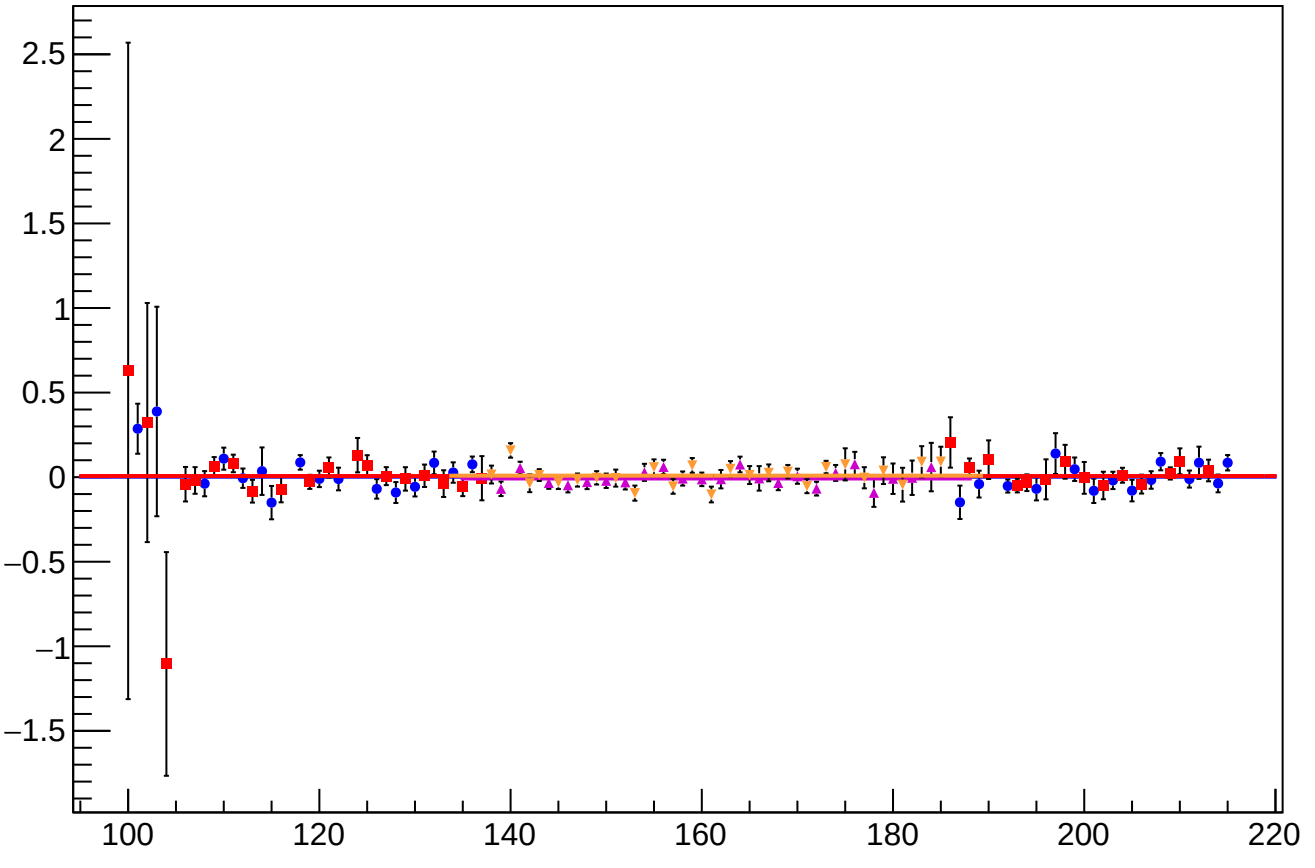
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.866+/-0.006 χ^2/NDF: 7317932.1/63

In: 40.363+/-0.005 χ^2/NDF:4986992.6/53

Out: 39.383+/-0.005 χ^2/NDF:6238784.1/57

All: 39.868+/-0.004 χ^2/NDF: 11243672.6/11



Right In: 0.003+/-0.011 χ^2/NDF: 41.1/30

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.006+/-0.011 χ^2/NDF: 24.8/32

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

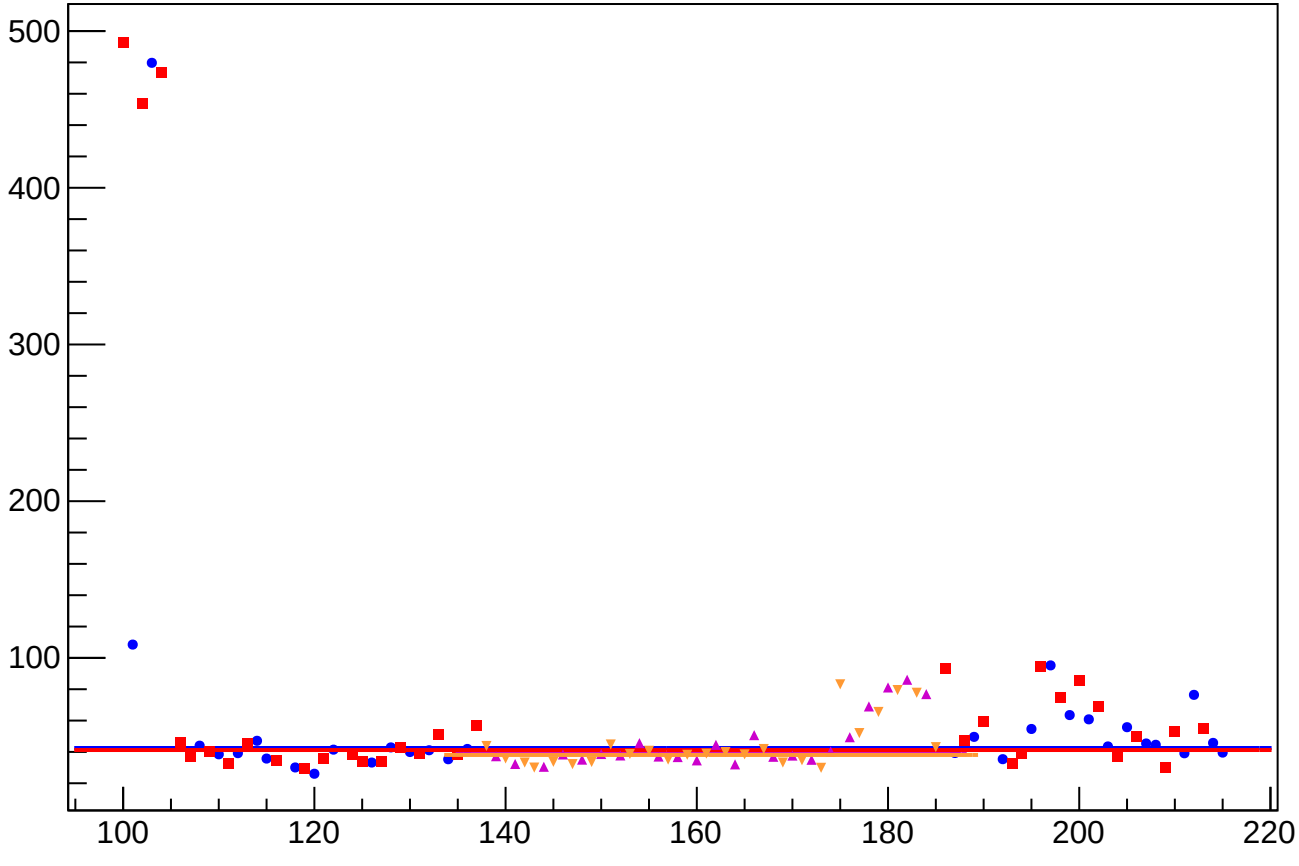
Right: 0.005+/-0.008 χ^2/NDF: 65.9/63

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.002+/-0.005 χ^2/NDF: 125.0/111

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.491+/-0.008 χ^2/NDF: 3123231.7/30

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.208+/-0.008 χ^2/NDF: 4181435.6/32

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

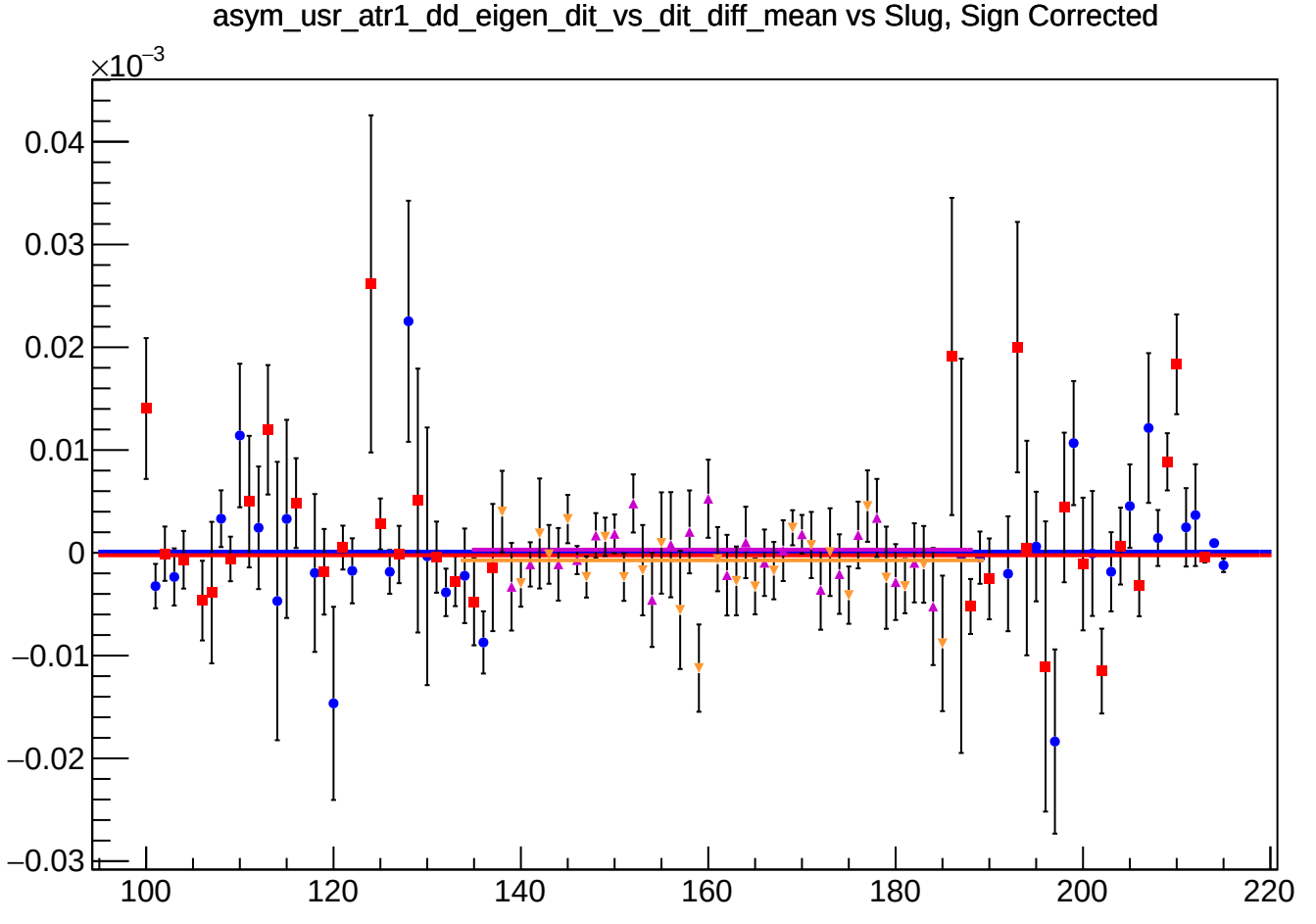
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.866+/-0.006 χ^2/NDF: 7317932.1/63

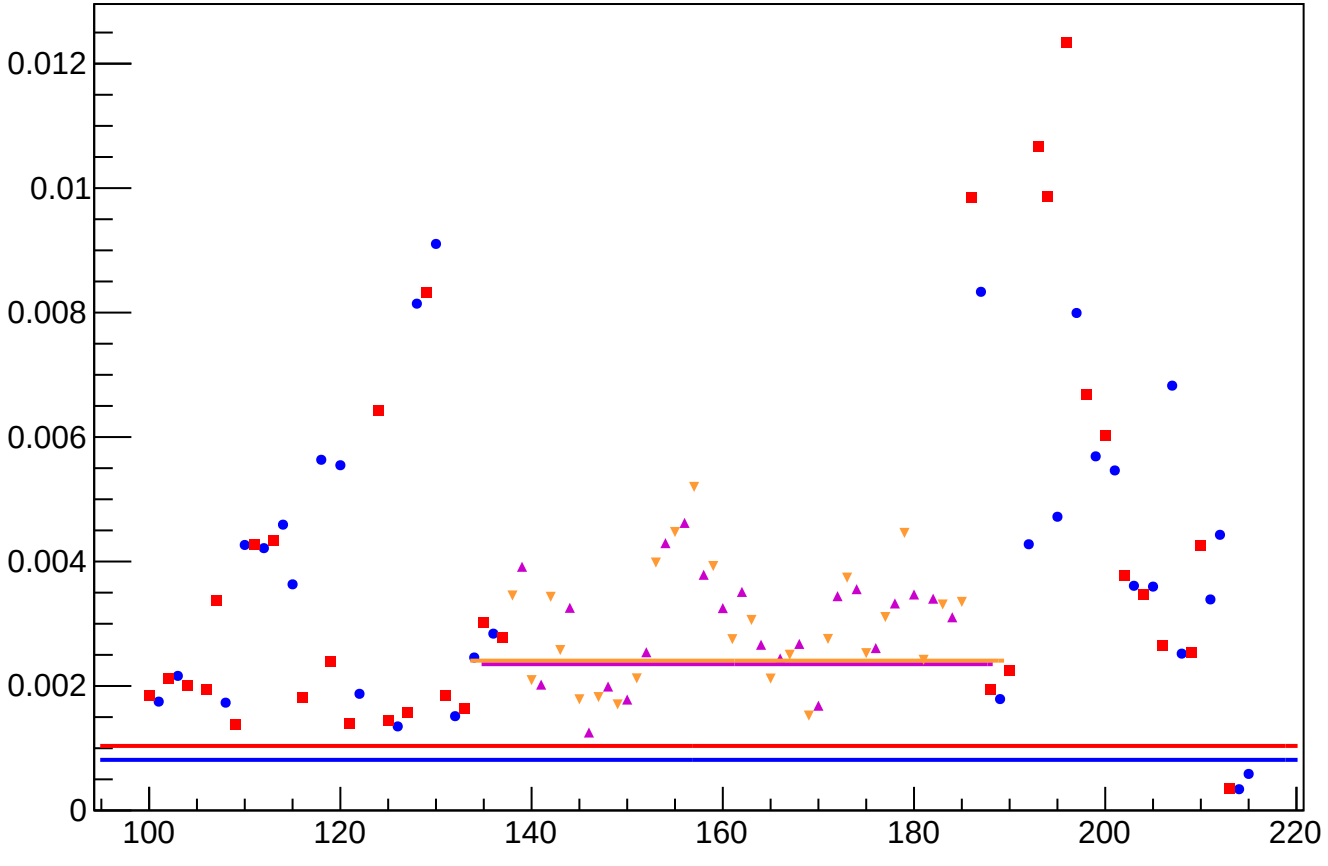
In: 40.363+/-0.005 χ^2/NDF:4986992.6/53

Out: 39.383+/-0.005 χ^2/NDF:6238784.1/57

All: 39.868+/-0.004 χ^2/NDF: 11243672.6/11


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
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: 47.8/30
Left Out: -0.000+/-0.000 χ²/NDF:26.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 61.7/32
Left In: 0.000+/-0.000 χ²/NDF:13.8/22
Left: -0.000+/-0.000 χ²/NDF: 41.9/47
Right: -0.000+/-0.000 χ²/NDF: 110.0/63
In: 0.000+/-0.000 χ²/NDF:61.6/53
Out: -0.000+/-0.000 χ²/NDF:88.8/57
All: -0.000+/-0.000 χ²/NDF: 152.1/111

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 22461916.2/30

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 19388993.8/32

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

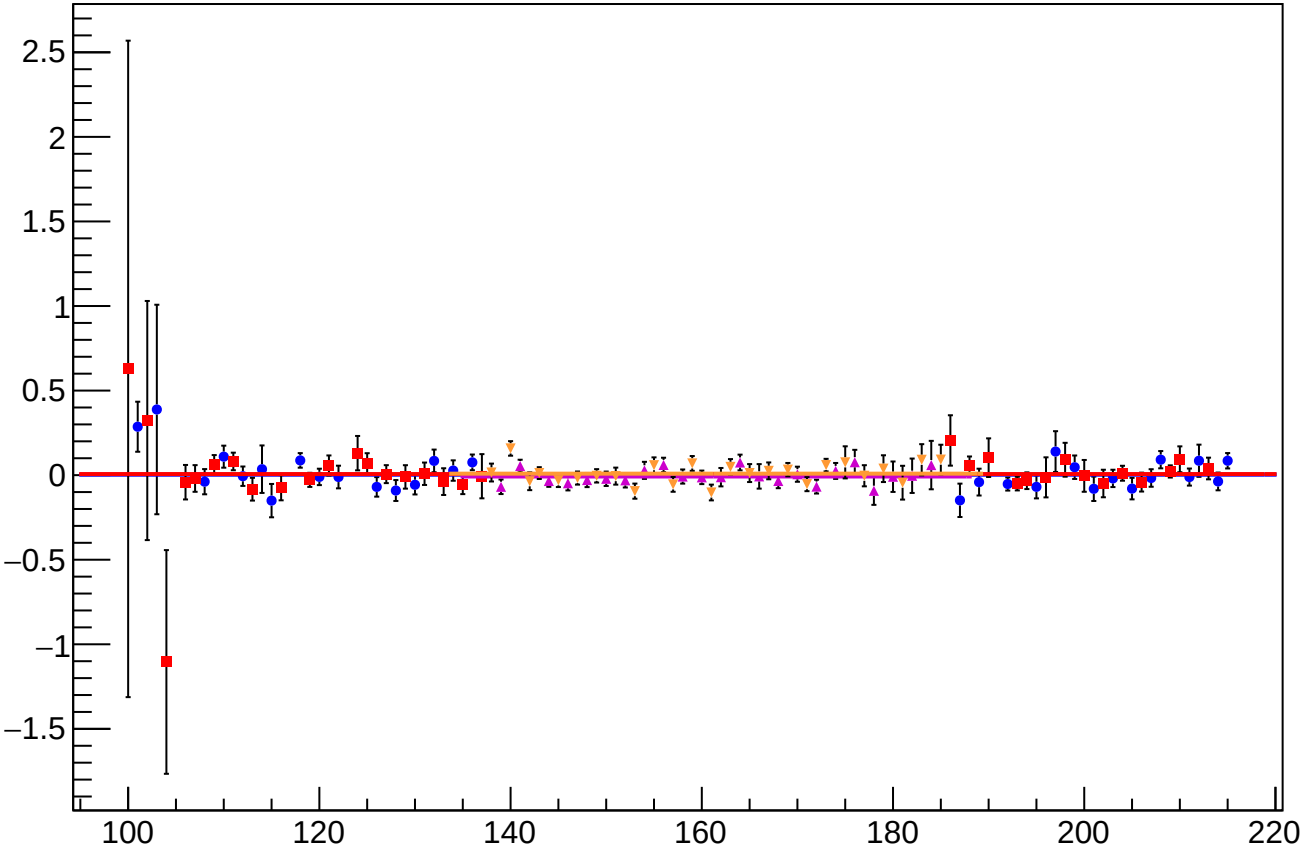
Right: 0.001+/-0.000 χ^2/NDF: 42252477.0/63

In: 0.001+/-0.000 χ^2/NDF:37408337.5/53

Out: 0.001+/-0.000 χ^2/NDF:30676237.6/57

All: 0.001+/-0.000 χ^2/NDF: 69201540.3/111

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.011 χ^2/NDF: 41.1/30

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.006+/-0.011 χ^2/NDF: 24.8/32

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

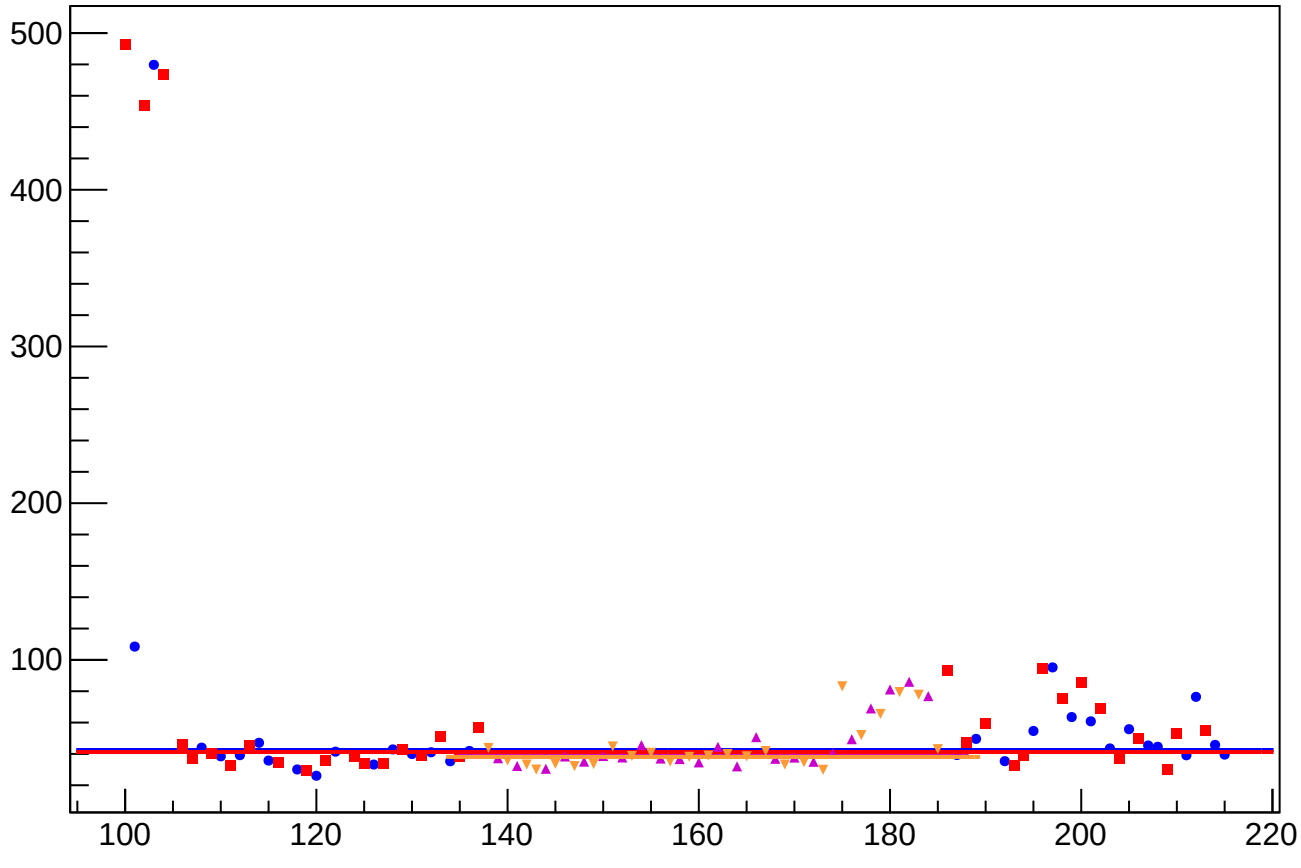
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.005+/-0.008 χ^2/NDF: 65.9/63

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.002+/-0.005 χ^2/NDF: 125.0/111



Right In: 42.490+/-0.008 χ^2/NDF: 3123460.6/30

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.206+/-0.008 χ^2/NDF: 4181978.8/32

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

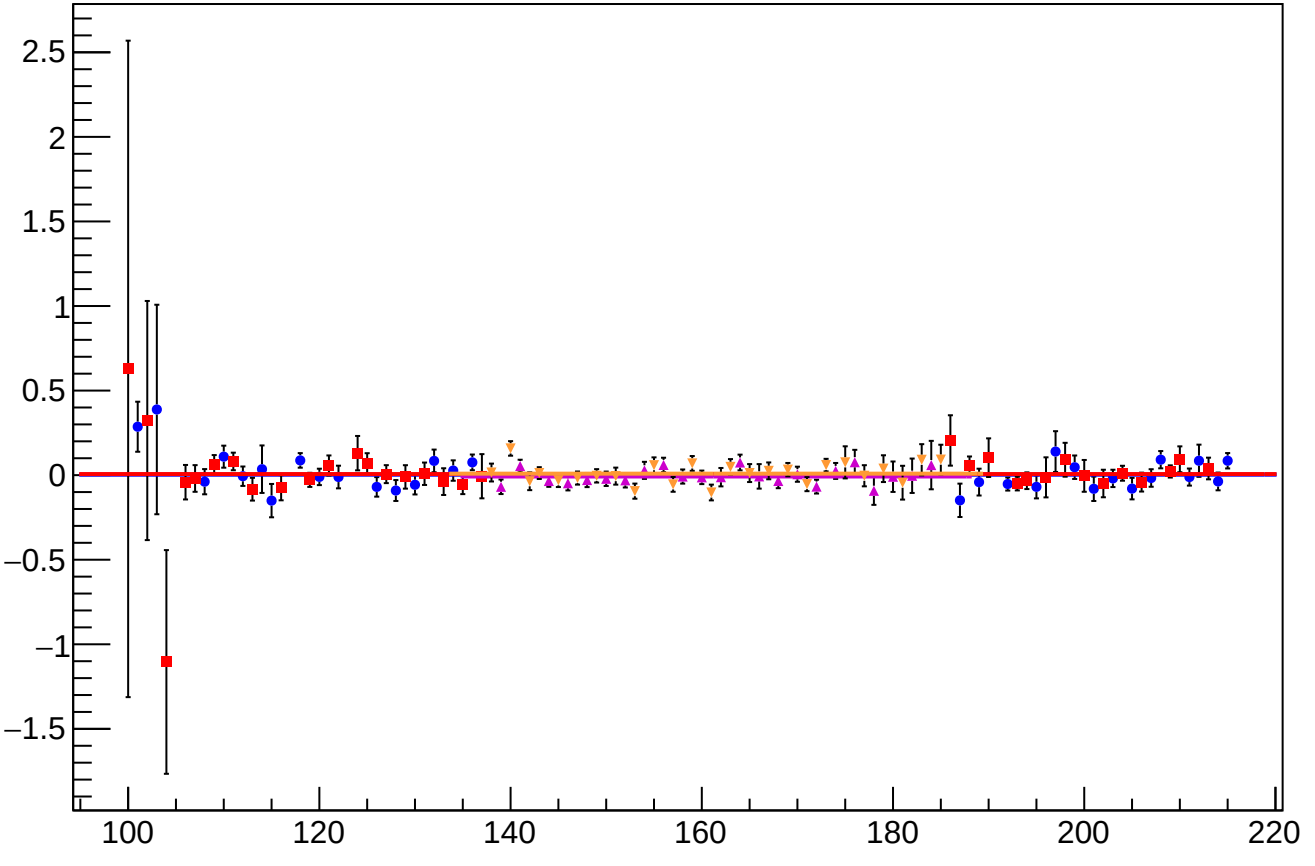
Right: 41.864+/-0.006 χ^2/NDF: 7318752.9/63

In: 40.363+/-0.005 χ^2/NDF:4987243.8/53

Out: 39.381+/-0.005 χ^2/NDF:6239173.4/57

All: 39.868+/-0.004 χ^2/NDF: 11244342.9/11

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.011 χ^2/NDF: 41.1/30

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.006+/-0.011 χ^2/NDF: 24.8/32

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

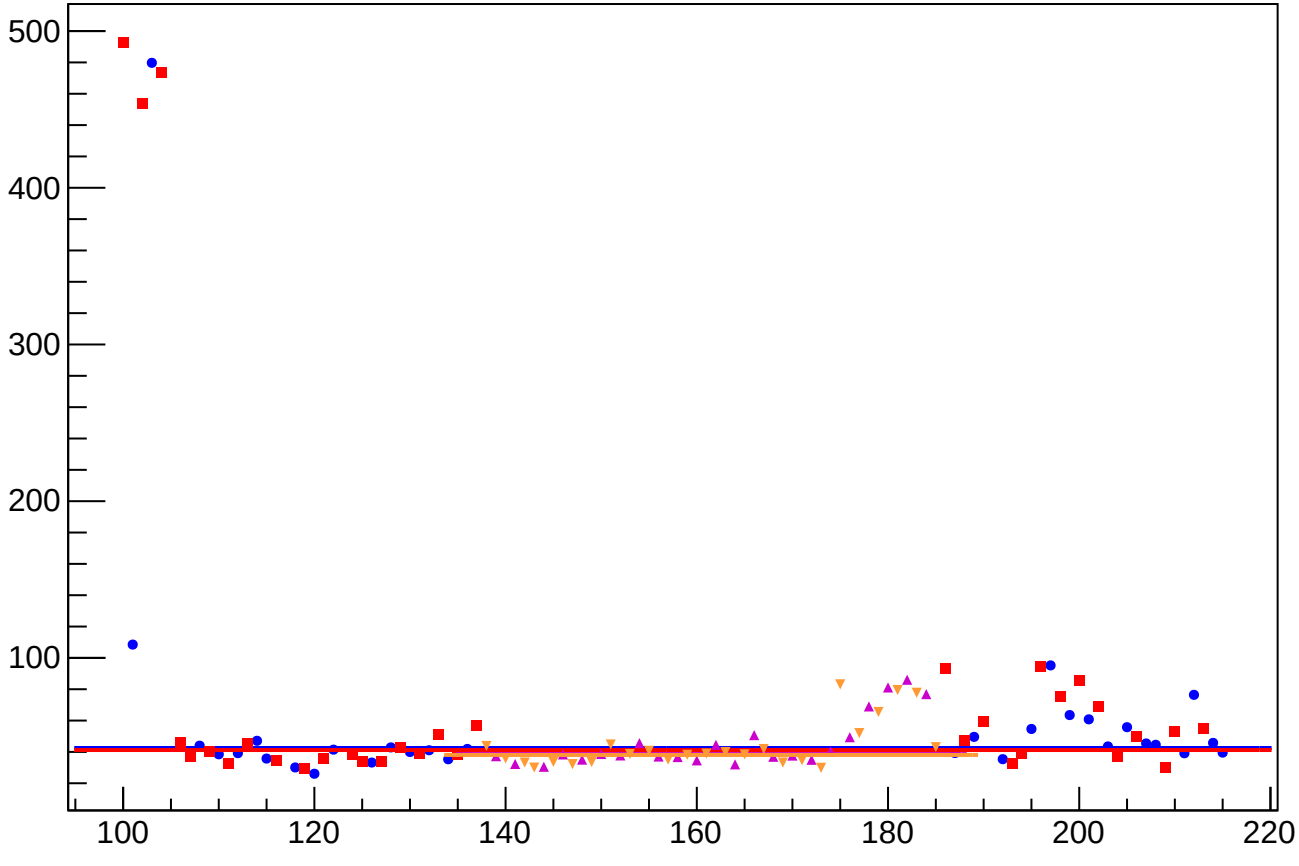
Right: 0.005+/-0.008 χ^2/NDF: 65.9/63

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.008+/-0.007 χ^2/NDF:63.4/57

All: 0.002+/-0.005 χ^2/NDF: 125.0/111

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.490+/-0.008 χ^2/NDF: 3123460.6/30

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.206+/-0.008 χ^2/NDF: 4181978.8/32

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

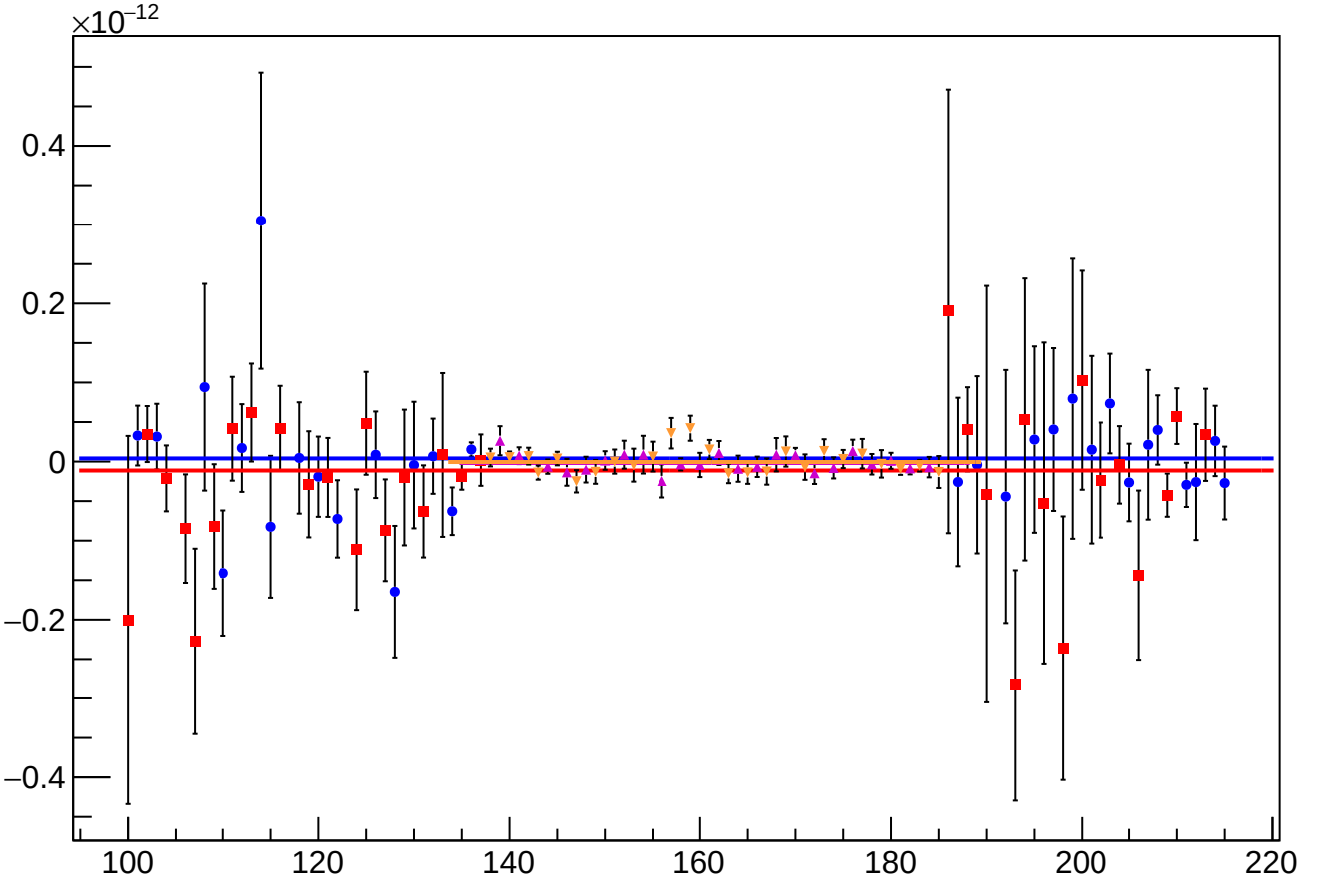
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 41.864+/-0.006 χ^2/NDF: 7318752.9/63

In: 40.363+/-0.005 χ^2/NDF:4987243.8/53

Out: 39.381+/-0.005 χ^2/NDF:6239173.4/57

All: 39.868+/-0.004 χ^2/NDF: 11244342.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/32

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

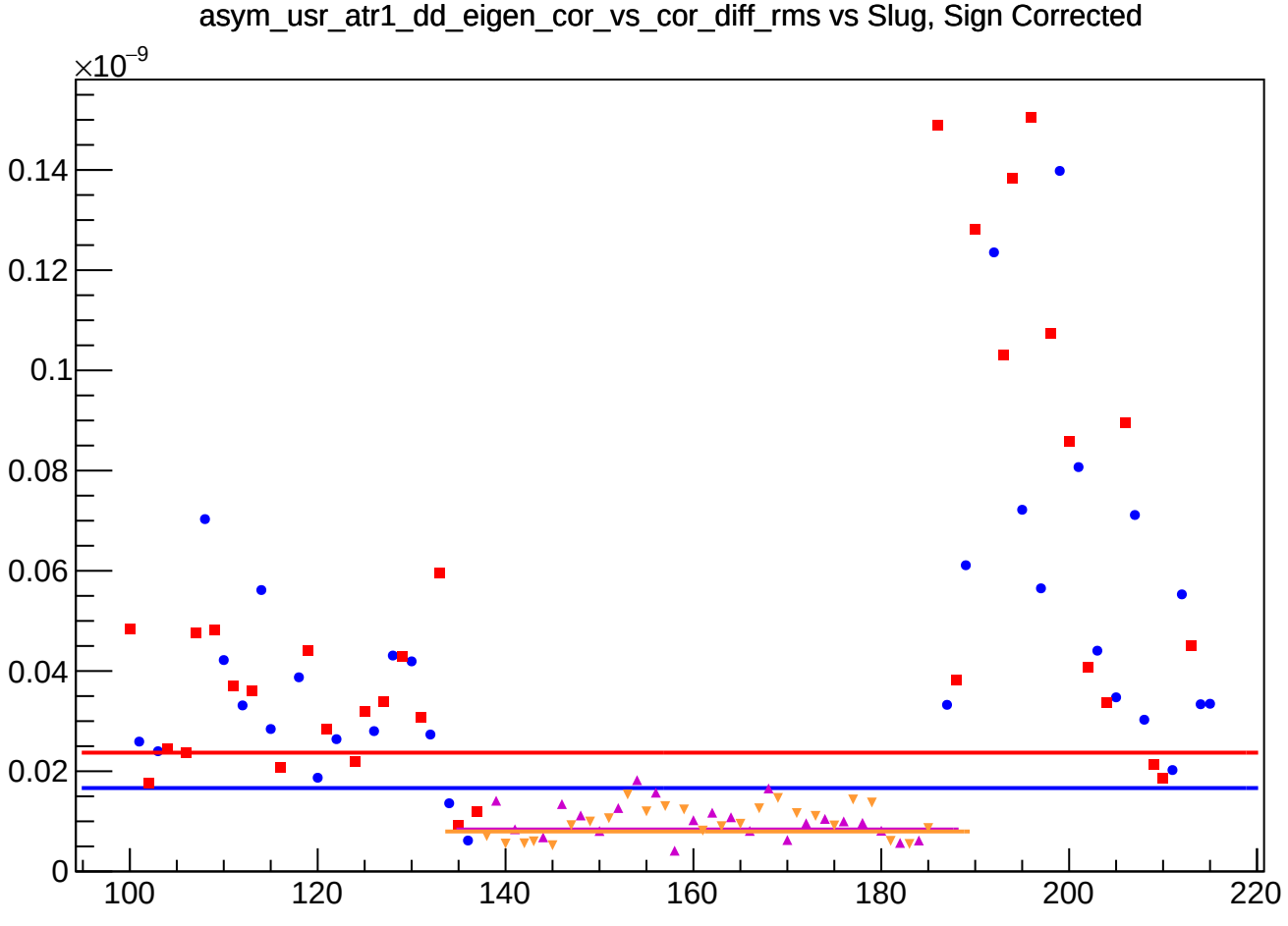
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 59.7/63

In: -0.000+/-0.000 χ^2/NDF:39.1/53

Out: -0.000+/-0.000 χ^2/NDF:59.3/57

All: -0.000+/-0.000 χ^2/NDF: 98.3/111



Right In: 0.000+/-0.000 χ^2/NDF: 10810598.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8154349.9/32

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

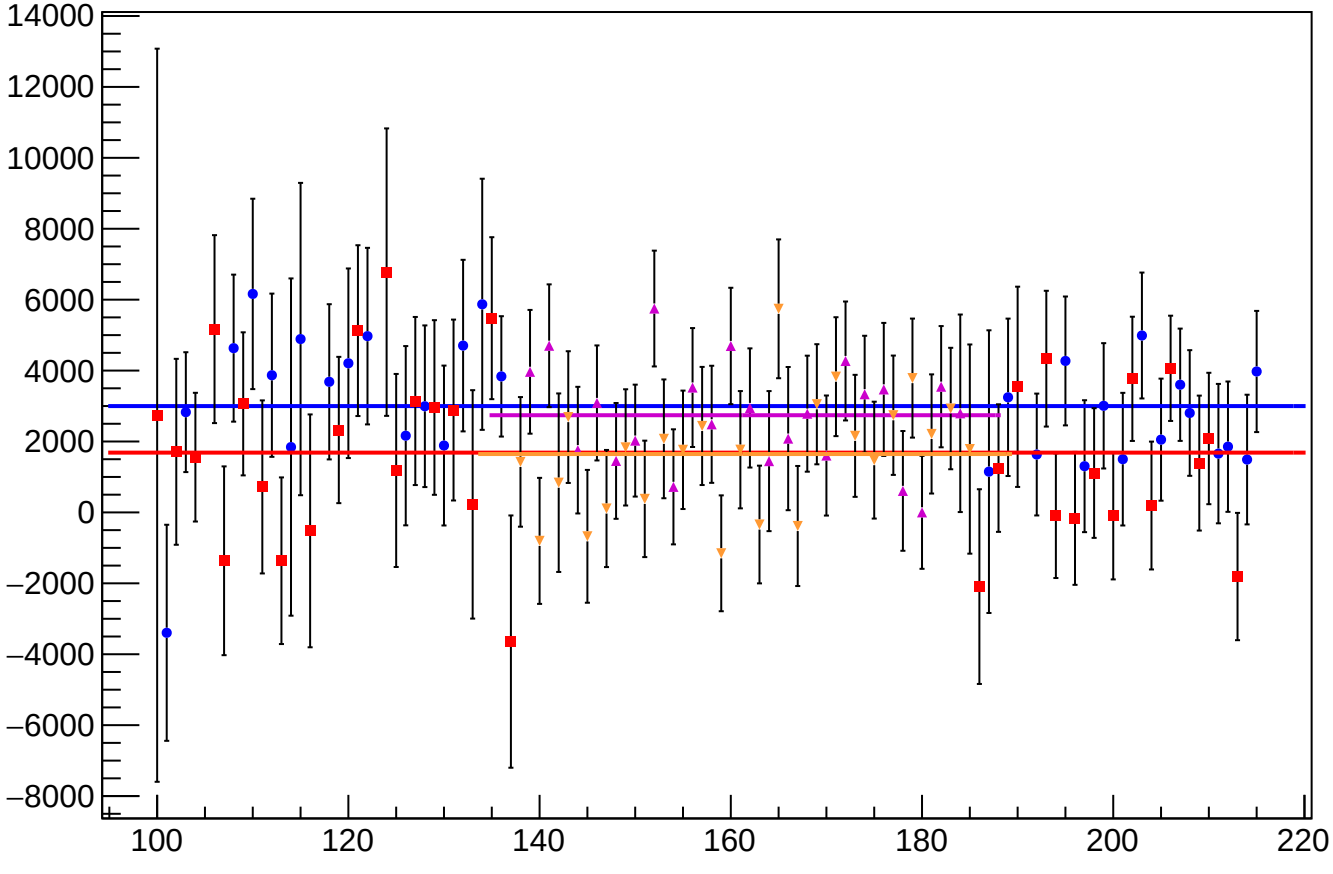
Right: 0.000+/-0.000 χ^2/NDF: 19763576.1/63

In: 0.000+/-0.000 χ^2/NDF:16192434.9/53

Out: 0.000+/-0.000 χ^2/NDF:16827106.1/57

All: 0.000+/-0.000 χ^2/NDF: 33042662.7/111

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 2998.616+/-374.306 χ^2/NDF: 15.9/30

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1685.971+/-380.160 χ^2/NDF: 31.5/32

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

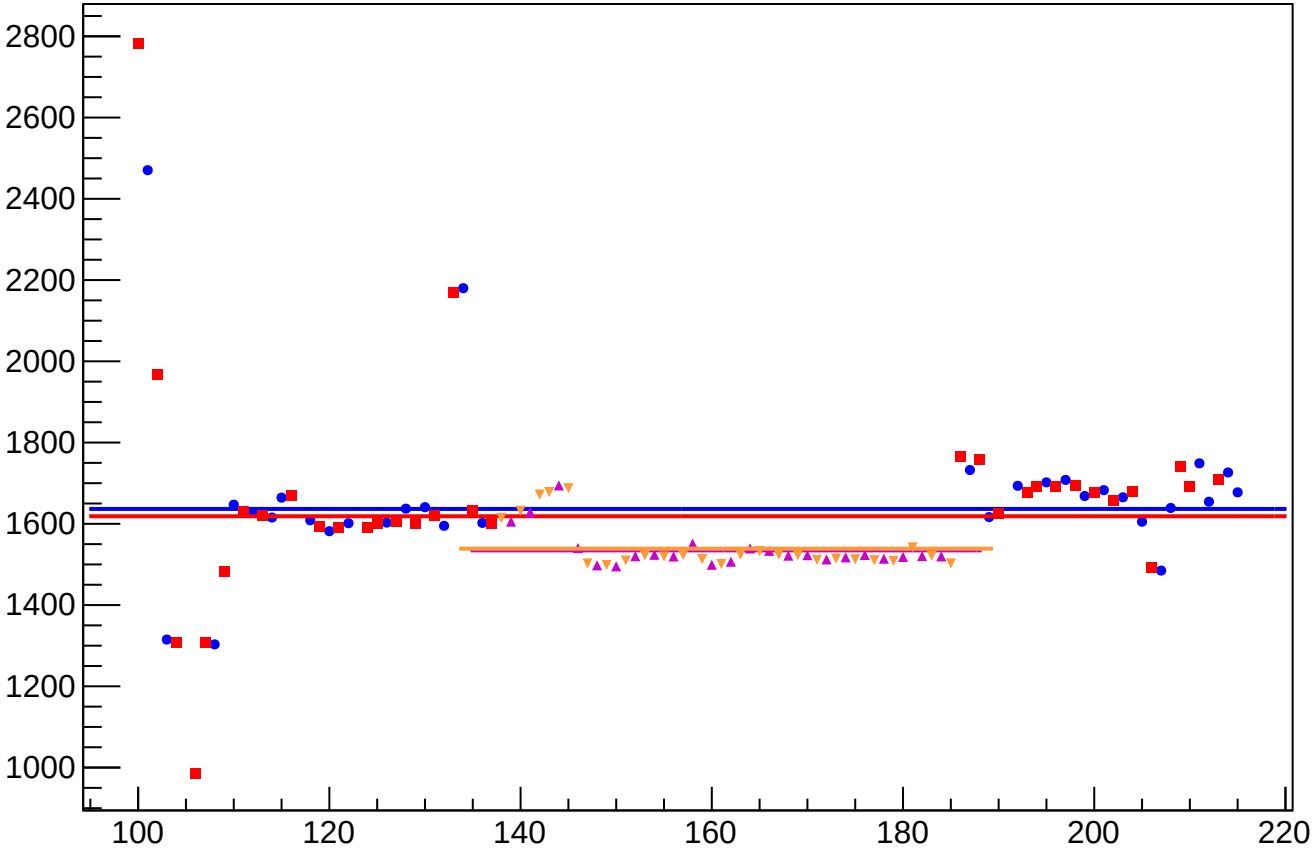
Right: 2352.478+/-266.720 χ^2/NDF: 53.5/63

In: 2864.199+/-258.890 χ^2/NDF:32.6/53

Out: 1664.541+/-257.394 χ^2/NDF:52.6/57

All: 2260.896+/-182.532 χ^2/NDF: 96.0/111

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1636.630+/-0.265 χ^2/NDF: 367597.9/30

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1618.627+/-0.267 χ^2/NDF: 474512.2/32

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

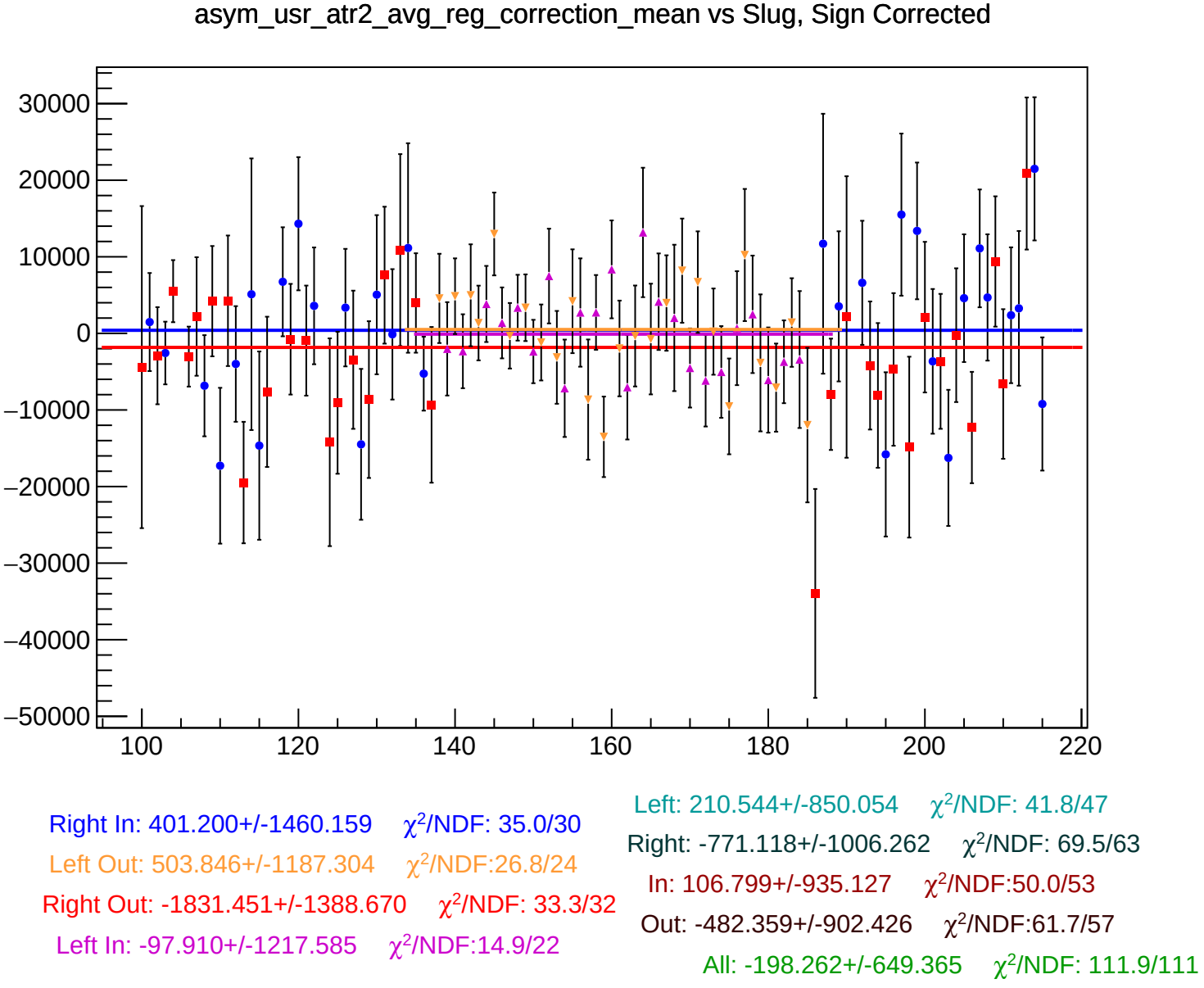
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1627.704+/-0.188 χ^2/NDF: 844404.0/63

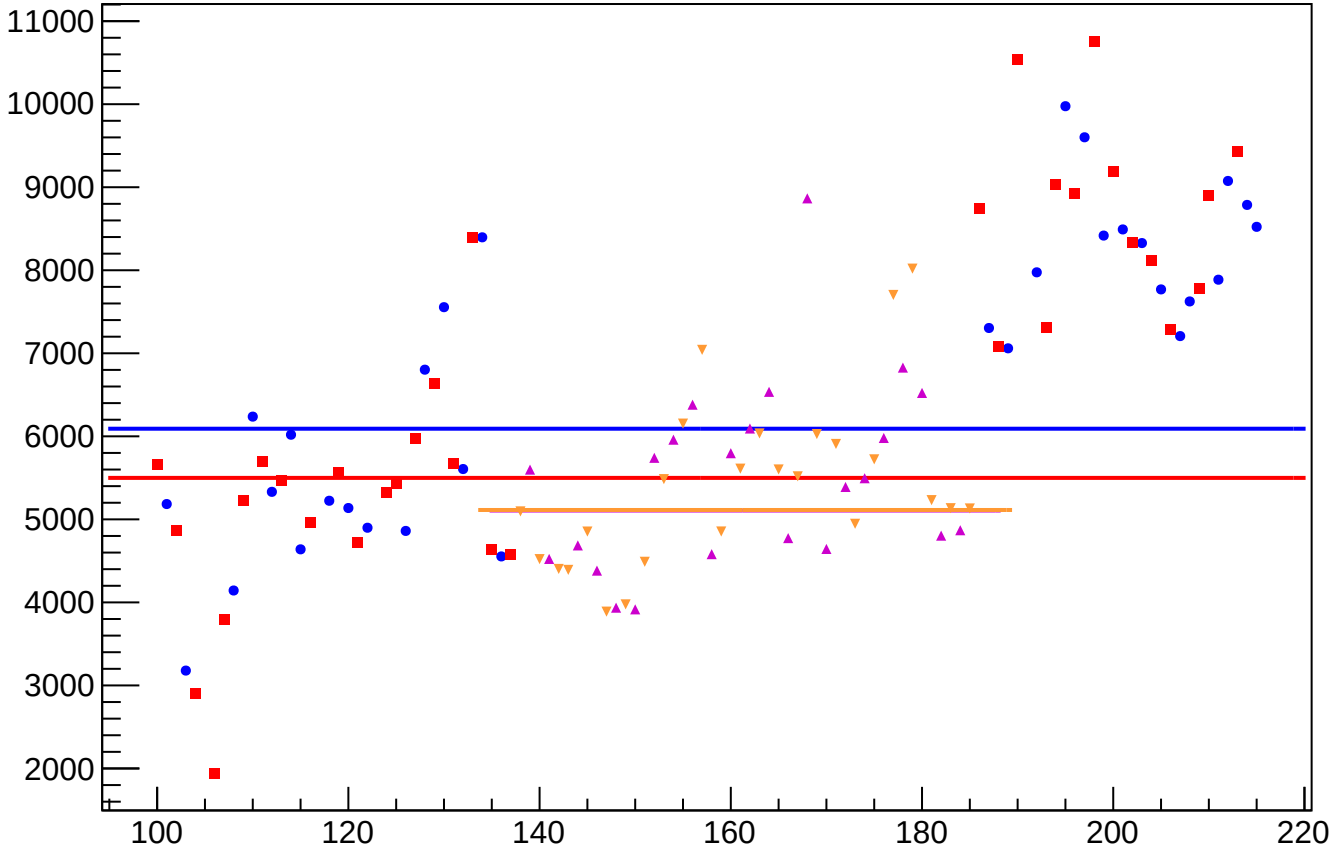
In: 1583.417+/-0.183 χ^2/NDF:476211.6/53

Out: 1575.682+/-0.181 χ^2/NDF:569684.1/57

All: 1579.514+/-0.129 χ^2/NDF: 1046796.5/11


asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 401.200+/-1460.159 χ²/NDF: 35.0/30
Left Out: 503.846+/-1187.304 χ²/NDF:26.8/24
Right Out: -1831.451+/-1388.670 χ²/NDF: 33.3/32
Left In: -97.910+/-1217.585 χ²/NDF:14.9/22
Left: 210.544+/-850.054 χ²/NDF: 41.8/47
Right: -771.118+/-1006.262 χ²/NDF: 69.5/63
In: 106.799+/-935.127 χ²/NDF:50.0/53
Out: -482.359+/-902.426 χ²/NDF:61.7/57
All: -198.262+/-649.365 χ²/NDF: 111.9/111

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 6091.642+/-1.032 χ^2/NDF: 3528678.8/30

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5499.405+/-0.982 χ^2/NDF: 5666389.1/32

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

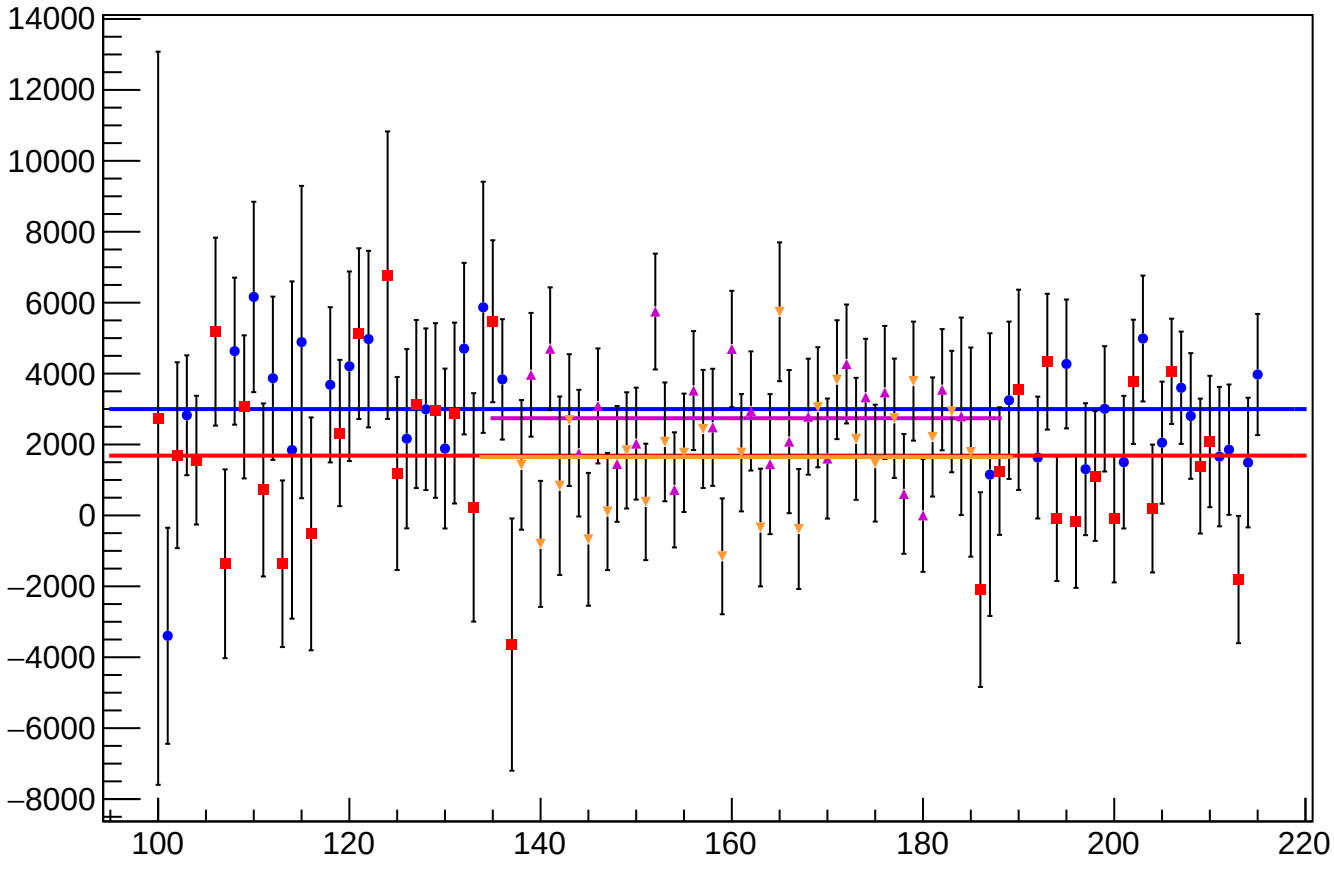
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5780.671+/-0.712 χ^2/NDF: 9367828.8/63

In: 5510.487+/-0.661 χ^2/NDF:5317420.6/53

Out: 5276.154+/-0.638 χ^2/NDF:6914878.5/57

All: 5389.151+/-0.459 χ^2/NDF: 12297328.7/1



Right In: 2998.503+/-374.306 χ^2/NDF: 15.9/30

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1686.007+/-380.161 χ^2/NDF: 31.6/32

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

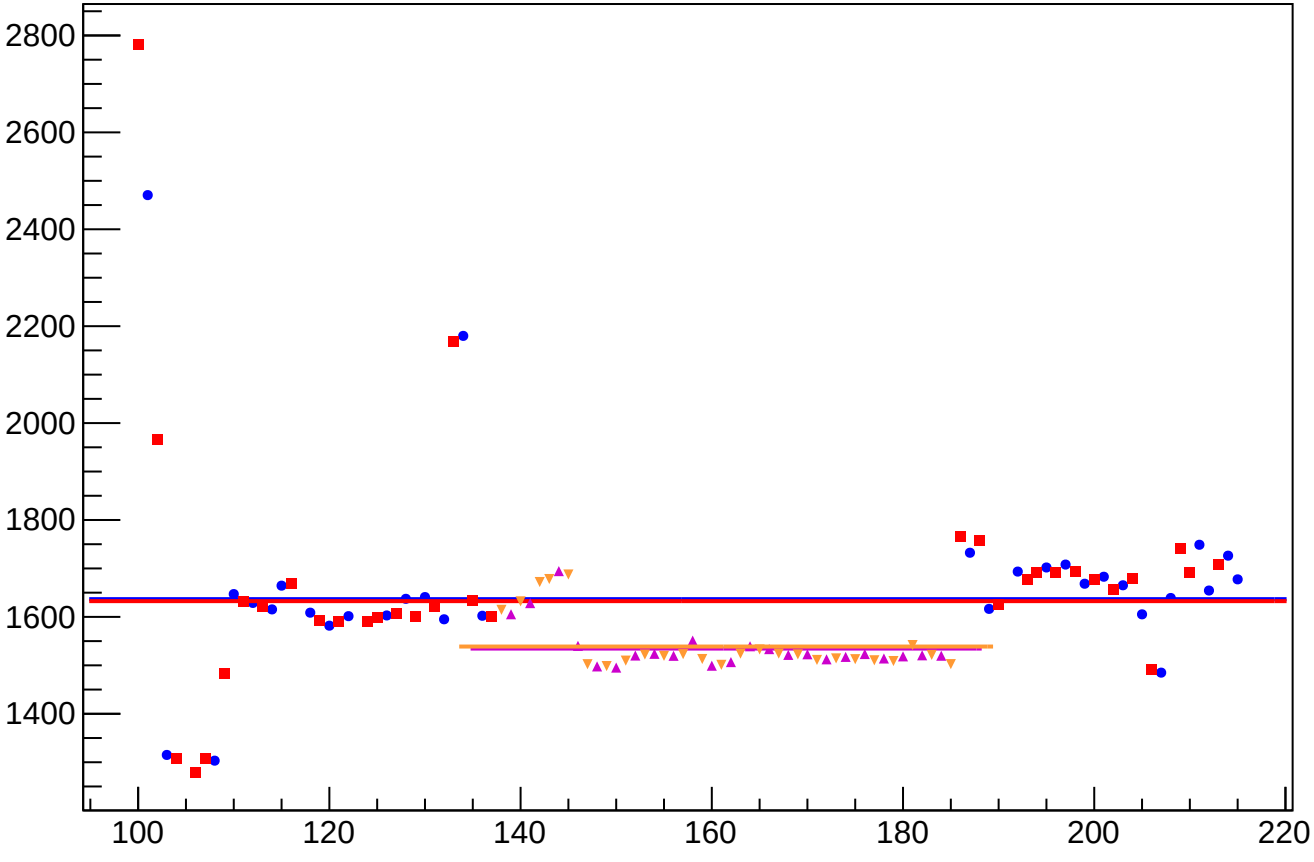
Right: 2352.440+/-266.720 χ^2/NDF: 53.5/63

In: 2864.094+/-258.890 χ^2/NDF:32.6/53

Out: 1664.499+/-257.395 χ^2/NDF:52.6/57

All: 2260.823+/-182.532 χ^2/NDF: 96.0/111

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1636.630+/-0.265 χ^2/NDF: 367596.9/30

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1632.510+/-0.268 χ^2/NDF: 317057.0/32

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

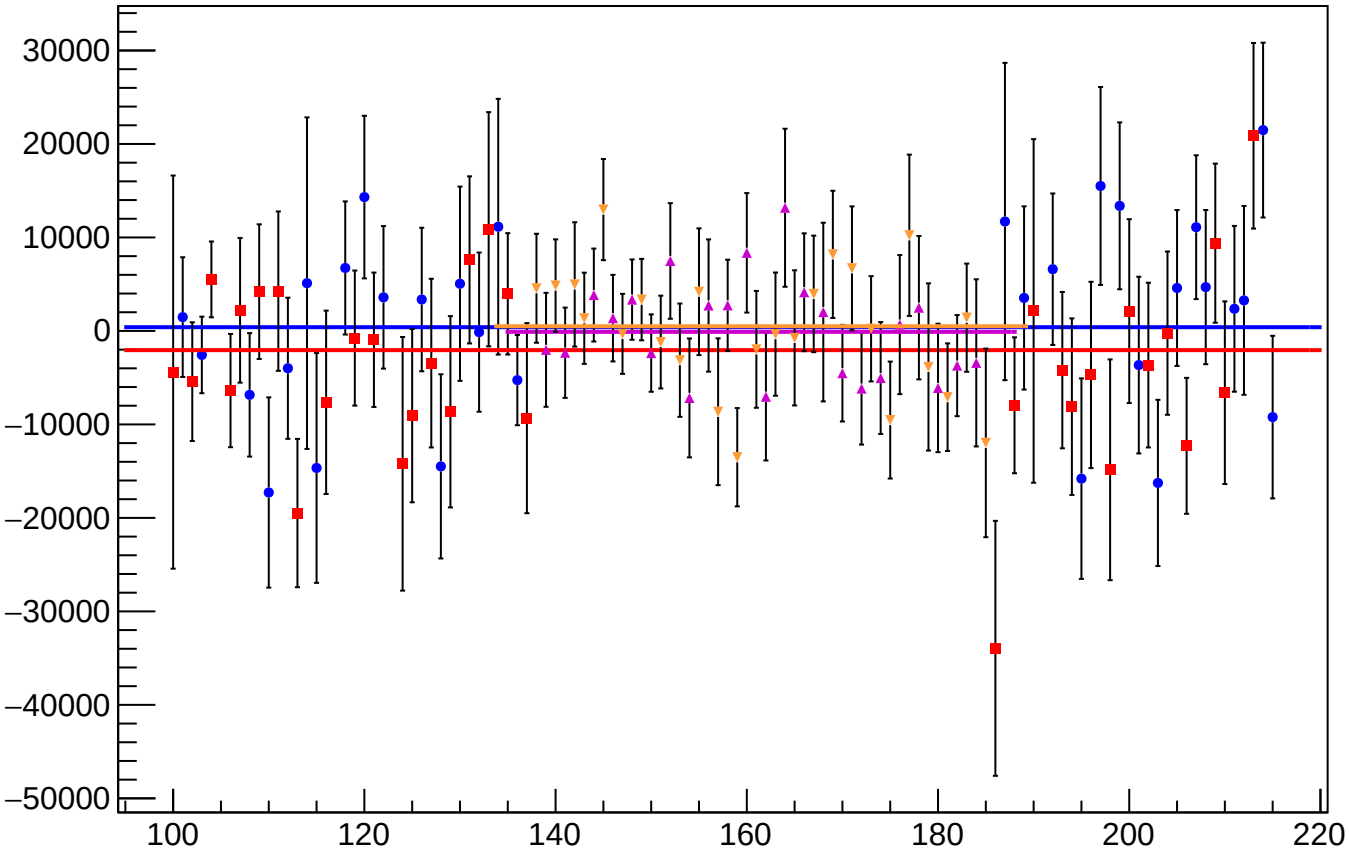
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1634.599+/-0.188 χ^2/NDF: 684773.4/63

In: 1583.417+/-0.183 χ^2/NDF:476210.8/53

Out: 1581.841+/-0.182 χ^2/NDF:430032.6/57

All: 1582.624+/-0.129 χ^2/NDF: 906280.6/111



Right In: 401.157+/-1460.178 χ^2/NDF: 35.0/30

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2055.674+/-1442.544 χ^2/NDF: 34.0/32

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

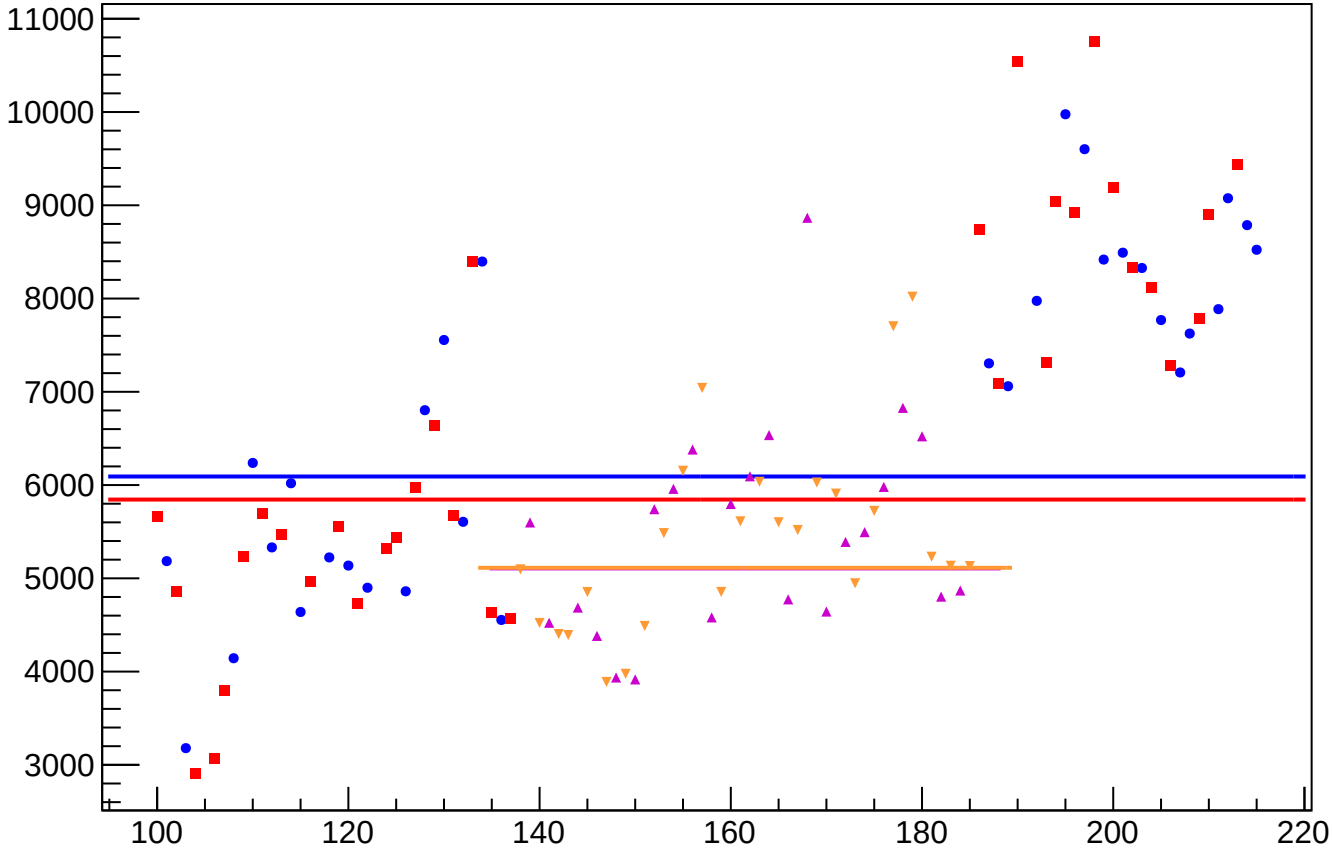
Right: -842.183+/-1026.210 χ^2/NDF: 70.5/63

In: 106.766+/-935.132 χ^2/NDF:50.0/53

Out: -529.814+/-916.725 χ^2/NDF:62.7/57

All: -217.851+/-654.633 χ^2/NDF: 112.9/111

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 6091.759+/-1.033 χ^2/NDF: 3528236.7/30

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5844.507+/-1.020 χ^2/NDF: 4221536.7/32

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

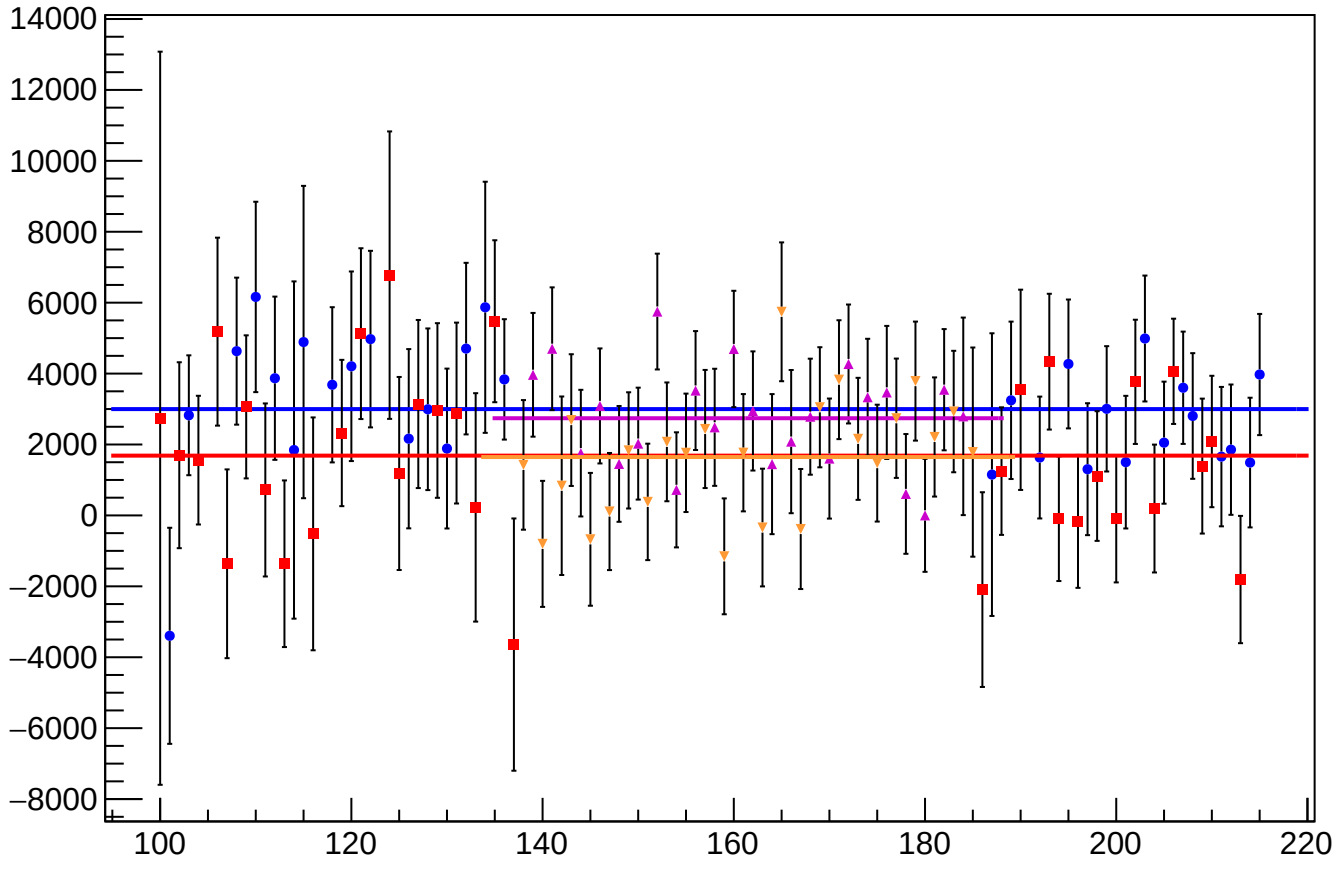
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5966.631+/-0.726 χ^2/NDF: 7778794.6/63

In: 5510.528+/-0.661 χ^2/NDF:5317101.0/53

Out: 5408.387+/-0.648 χ^2/NDF:5687199.2/57

All: 5458.442+/-0.463 χ^2/NDF: 11016467.6/1



Right In: 2998.503+/-374.306 χ^2/NDF: 15.9/30

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1686.007+/-380.161 χ^2/NDF: 31.6/32

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

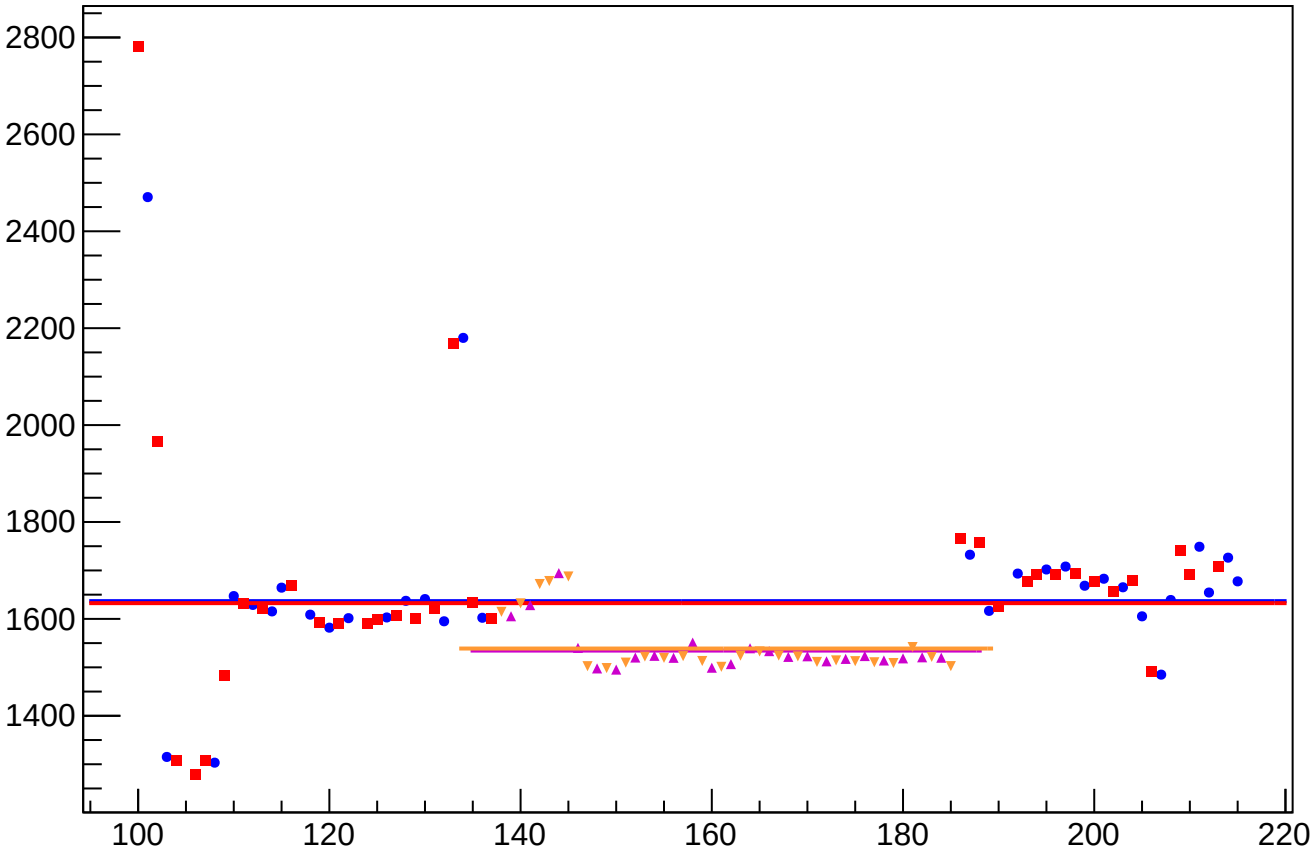
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2352.440+/-266.720 χ^2/NDF: 53.5/63

In: 2864.094+/-258.890 χ^2/NDF:32.6/53

Out: 1664.499+/-257.395 χ^2/NDF:52.6/57

All: 2260.823+/-182.532 χ^2/NDF: 96.0/111



Right In: 1636.630+/-0.265 χ^2/NDF: 367596.9/30

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1632.510+/-0.268 χ^2/NDF: 317057.0/32

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

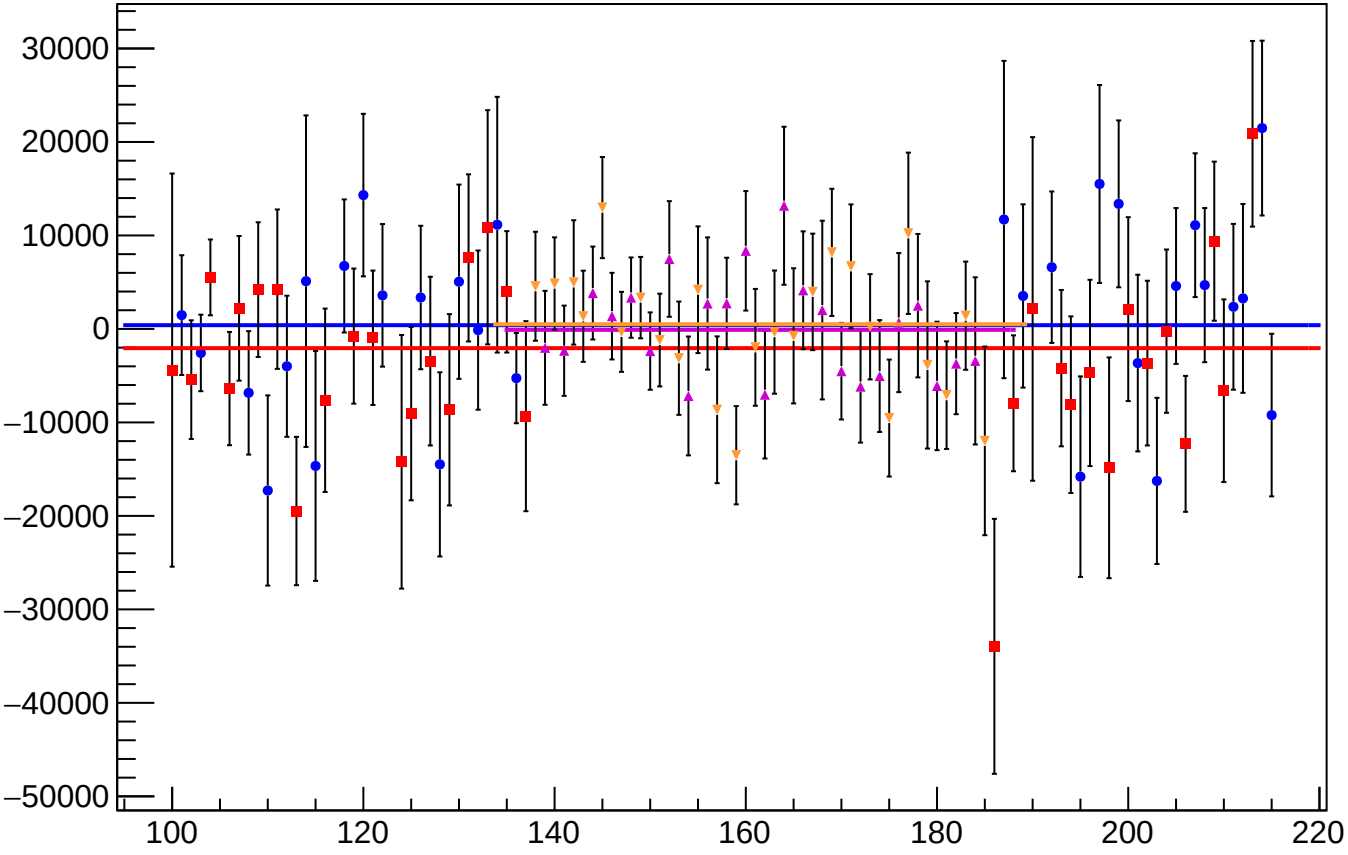
Right: 1634.599+/-0.188 χ^2/NDF: 684773.4/63

In: 1583.417+/-0.183 χ^2/NDF:476210.8/53

Out: 1581.841+/-0.182 χ^2/NDF:430032.6/57

All: 1582.624+/-0.129 χ^2/NDF: 906280.6/111

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 401.157+/-1460.178 χ^2/NDF: 35.0/30

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2055.674+/-1442.544 χ^2/NDF: 34.0/32

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

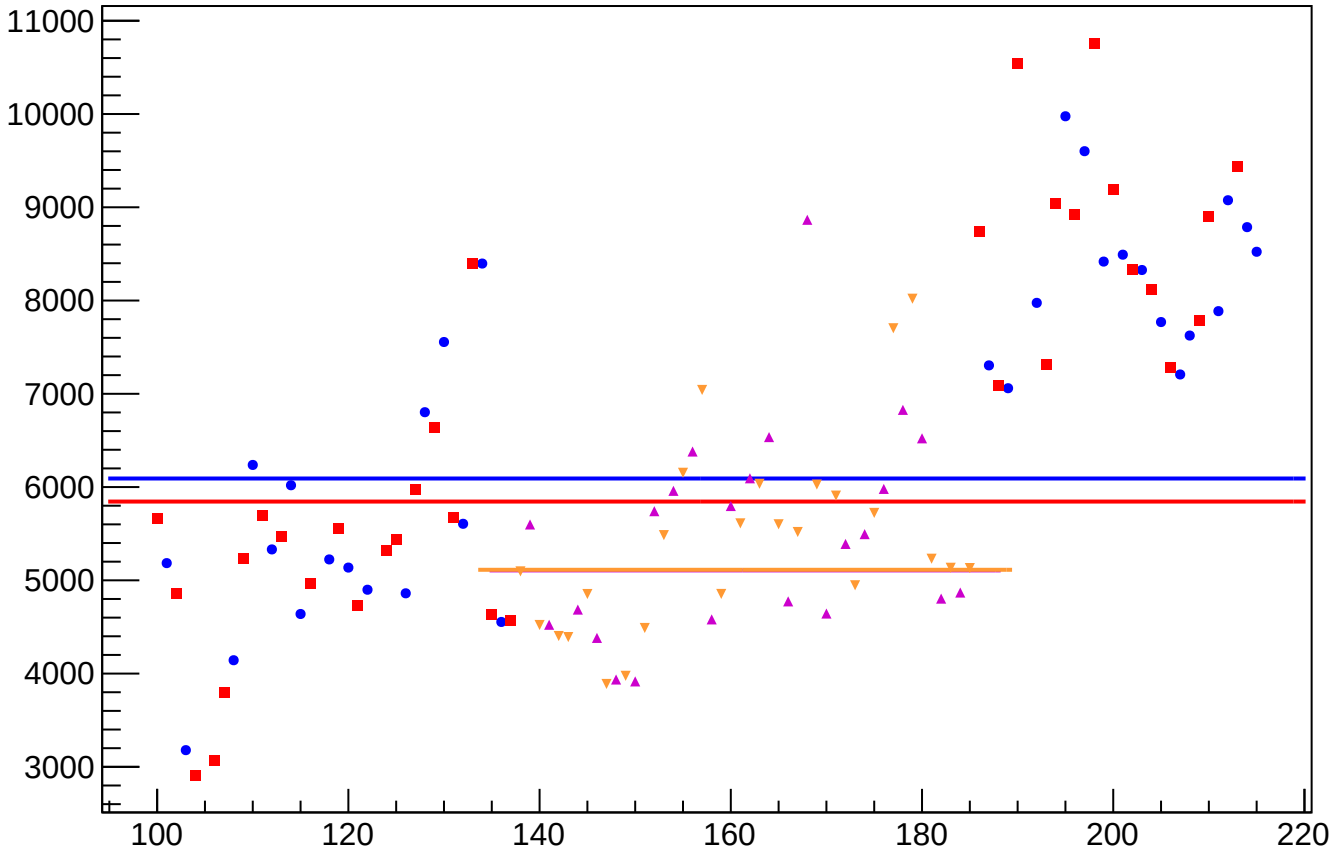
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -842.183+/-1026.210 χ^2/NDF: 70.5/63

In: 106.766+/-935.132 χ^2/NDF:50.0/53

Out: -529.814+/-916.725 χ^2/NDF:62.7/57

All: -217.851+/-654.633 χ^2/NDF: 112.9/111



Right In: 6091.759+/-1.033 χ^2/NDF: 3528236.7/30

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5844.507+/-1.020 χ^2/NDF: 4221536.7/32

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

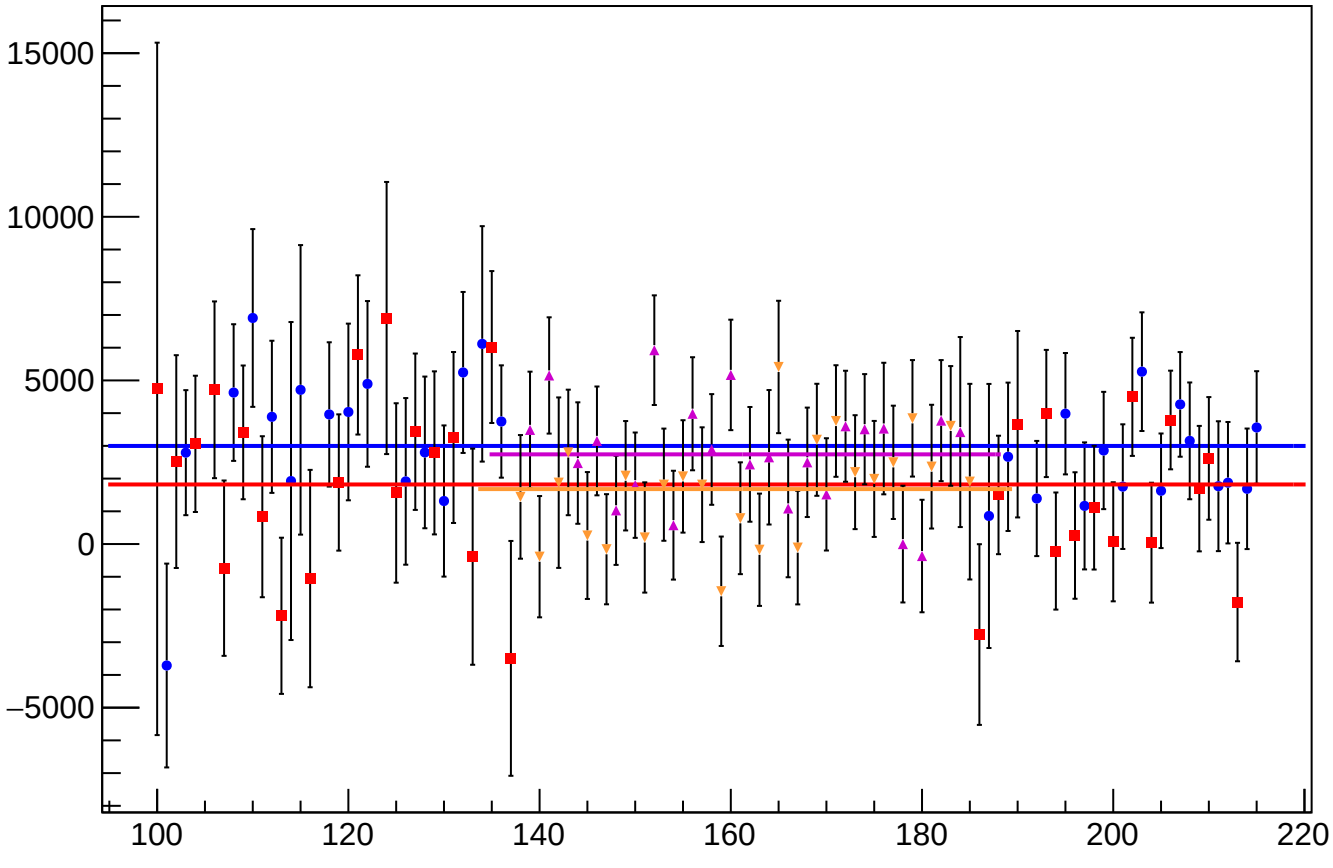
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5966.631+/-0.726 χ^2/NDF: 7778794.6/63

In: 5510.528+/-0.661 χ^2/NDF:5317101.0/53

Out: 5408.387+/-0.648 χ^2/NDF:5687199.2/57

All: 5458.442+/-0.463 χ^2/NDF: 11016467.6/1



Right In: 2997.682+/-381.695 χ^2/NDF: 18.0/30

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1820.629+/-389.158 χ^2/NDF: 34.3/32

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

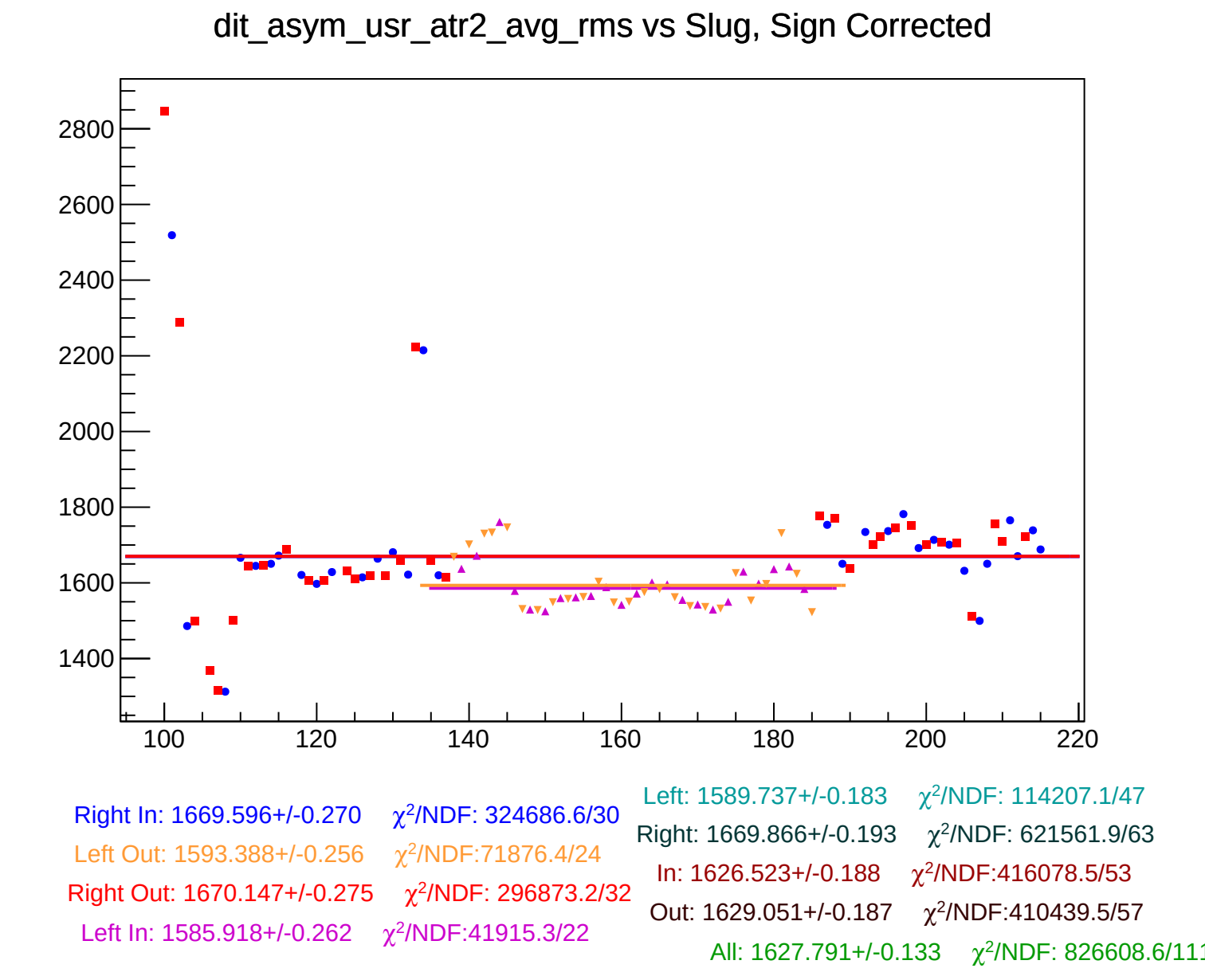
Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

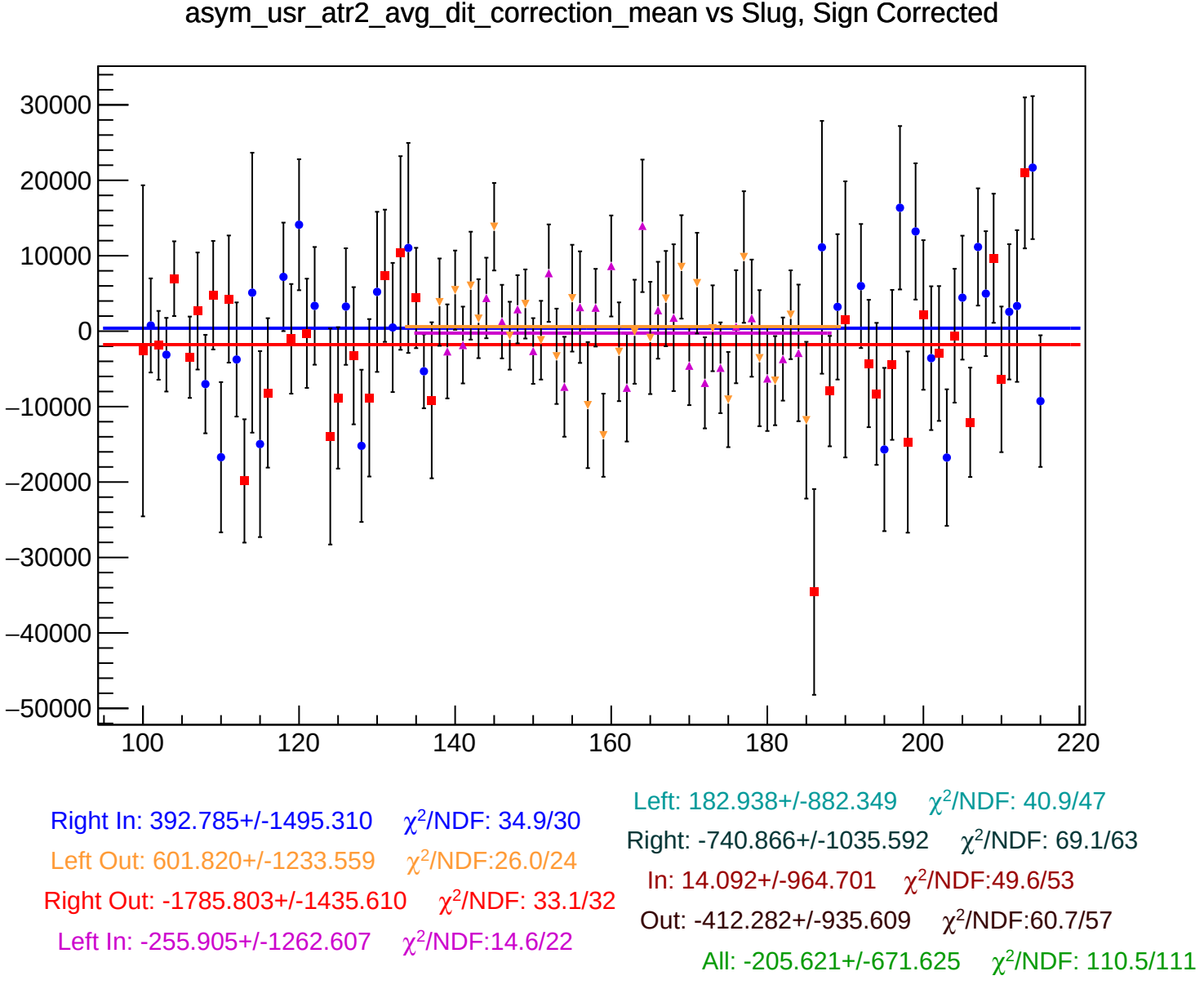
Right: 2420.550+/-272.500 χ^2/NDF: 57.0/63

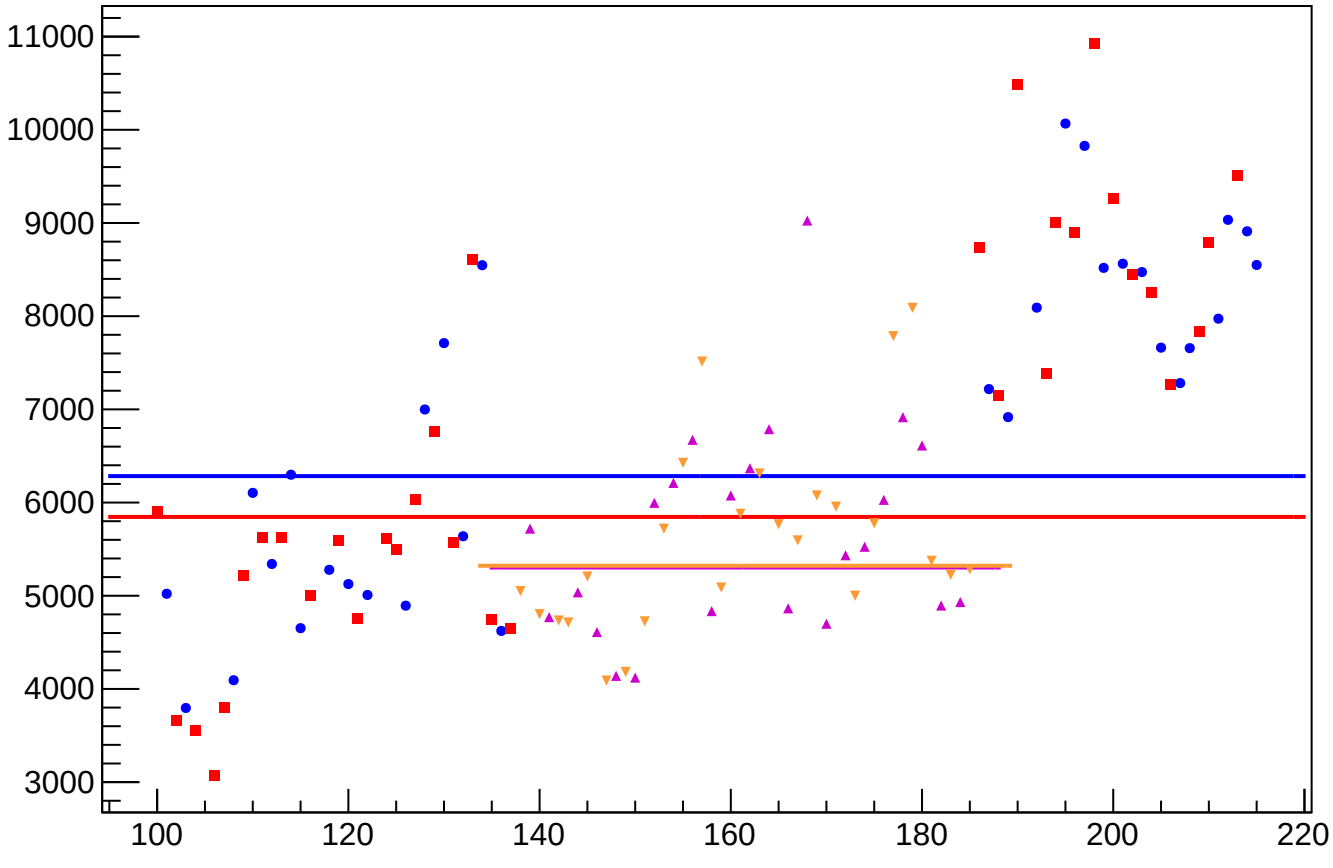
In: 2865.386+/-265.891 χ^2/NDF:37.4/53

Out: 1744.864+/-265.208 χ^2/NDF:53.3/57

All: 2303.682+/-187.771 χ^2/NDF: 99.6/111


dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
120
140
160
180
200
220
Right In: 1669.596+/-0.270 χ²/NDF: 324686.6/30
Left Out: 1593.388+/-0.256 χ²/NDF:71876.4/24
Right Out: 1670.147+/-0.275 χ²/NDF: 296873.2/32
Left In: 1585.918+/-0.262 χ²/NDF:41915.3/22
Left: 1589.737+/-0.183 χ²/NDF: 114207.1/47
Right: 1669.866+/-0.193 χ²/NDF: 621561.9/63
In: 1626.523+/-0.188 χ²/NDF:416078.5/53
Out: 1629.051+/-0.187 χ²/NDF:410439.5/57
All: 1627.791+/-0.133 χ²/NDF: 826608.6/111


asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 392.785+/-1495.310 χ²/NDF: 34.9/30
Left Out: 601.820+/-1233.559 χ²/NDF:26.0/24
Right Out: -1785.803+/-1435.610 χ²/NDF: 33.1/32
Left In: -255.905+/-1262.607 χ²/NDF:14.6/22
Left: 182.938+/-882.349 χ²/NDF: 40.9/47
Right: -740.866+/-1035.592 χ²/NDF: 69.1/63
In: 14.092+/-964.701 χ²/NDF:49.6/53
Out: -412.282+/-935.609 χ²/NDF:60.7/57
All: -205.621+/-671.625 χ²/NDF: 110.5/111



Right In: 6283.872+/-1.057 χ^2/NDF: 3003104.9/30

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5845.739+/-1.015 χ^2/NDF: 4142097.2/32

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

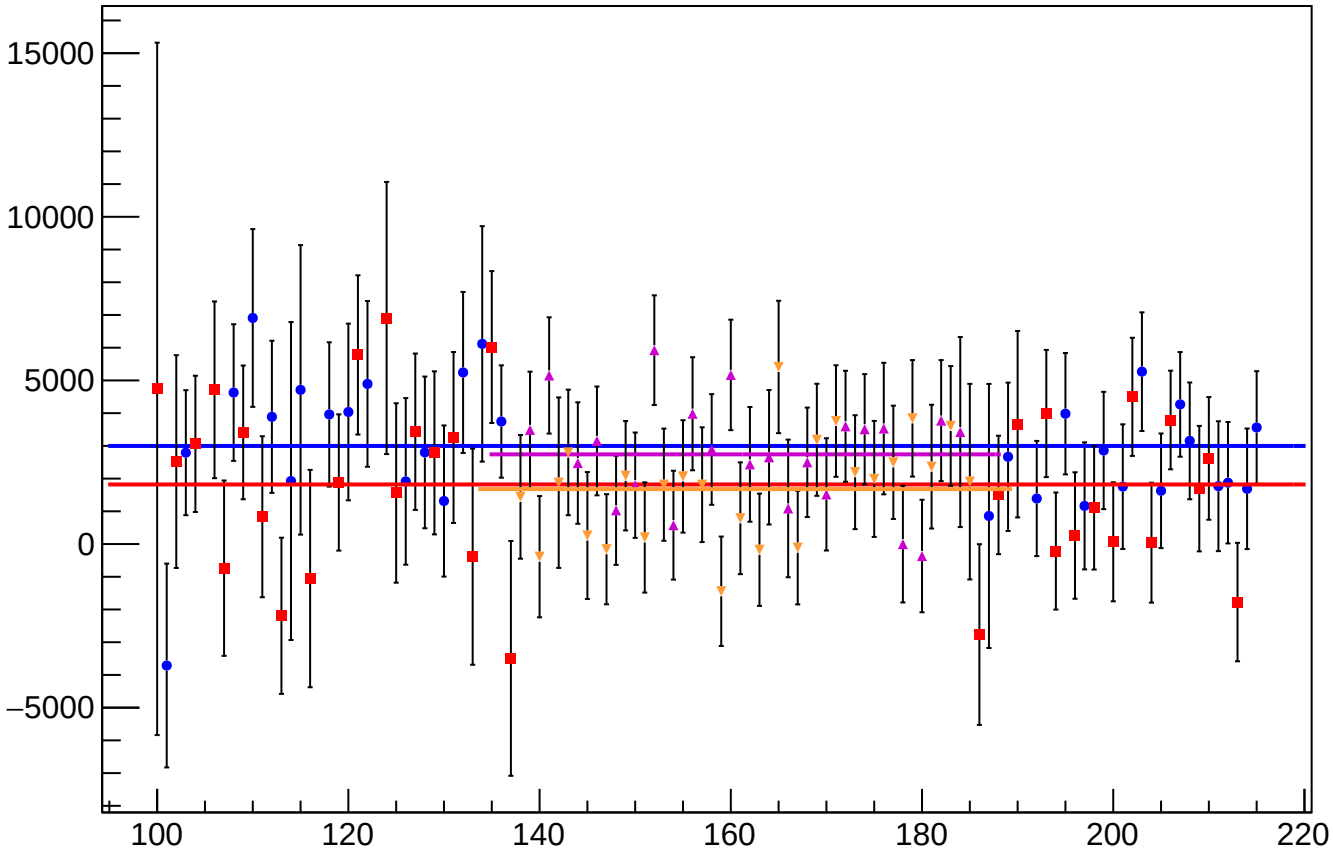
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 6055.885+/-0.732 χ^2/NDF: 7234549.8/63

In: 5711.170+/-0.682 χ^2/NDF:4658025.4/53

Out: 5544.424+/-0.662 χ^2/NDF:5332260.7/57

All: 5625.245+/-0.475 χ^2/NDF: 10021077.1/1



Right In: 2997.679+/-381.695 χ^2/NDF: 18.0/30

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1820.630+/-389.158 χ^2/NDF: 34.3/32

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

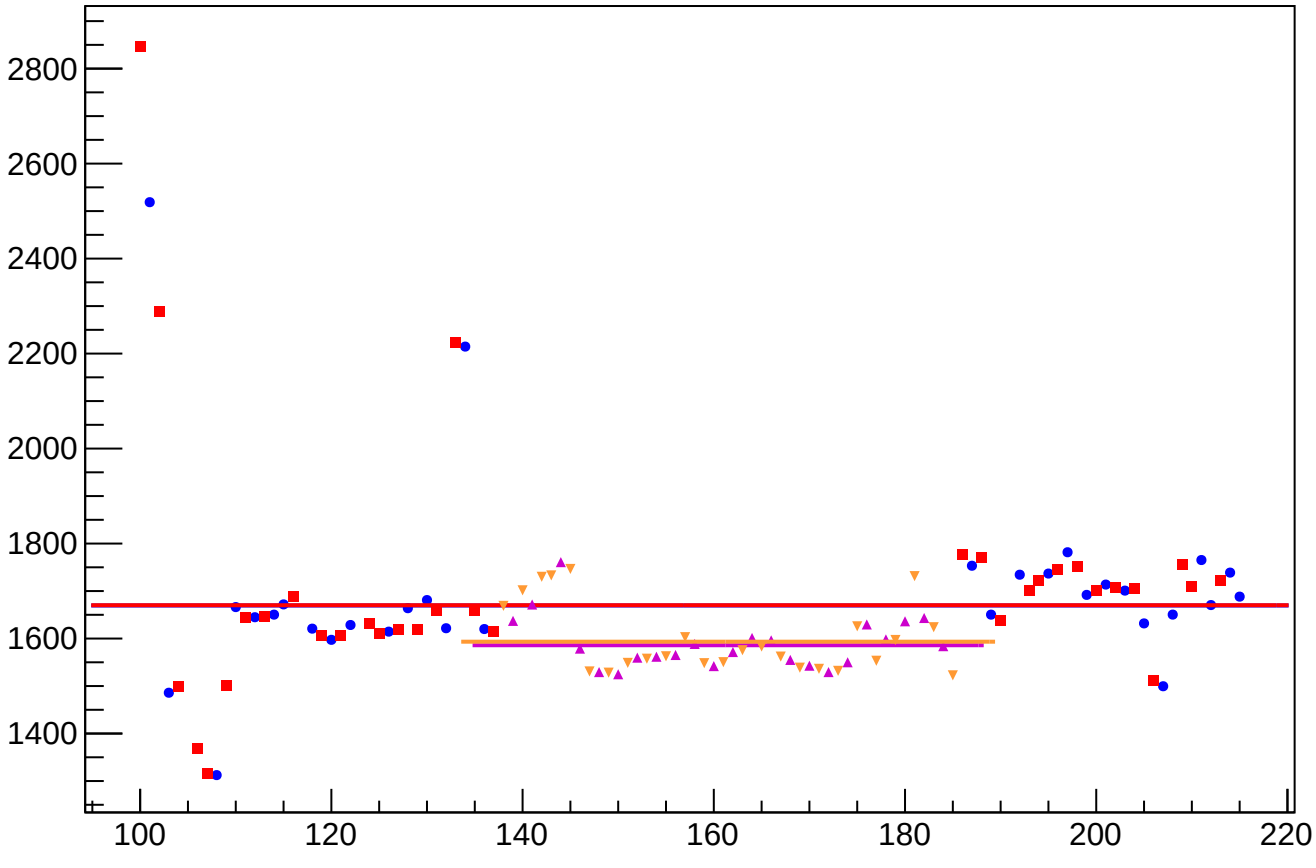
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2420.549+/-272.500 χ^2/NDF: 57.0/63

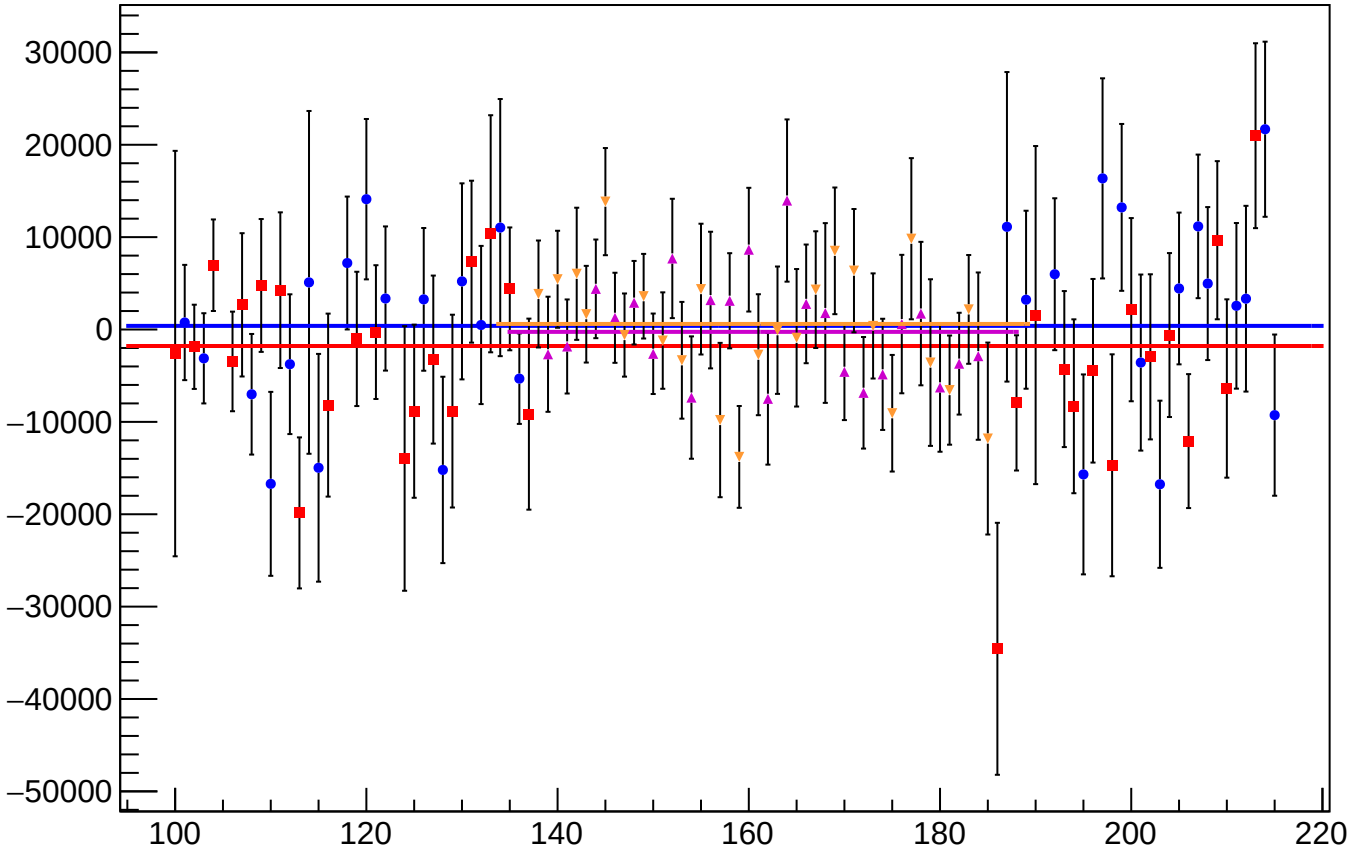
In: 2865.384+/-265.891 χ^2/NDF:37.4/53

Out: 1744.861+/-265.208 χ^2/NDF:53.3/57

All: 2303.680+/-187.771 χ^2/NDF: 99.6/111


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
120
140
160
180
200
220
Right In: 1669.595+/-0.270 χ²/NDF: 324686.9/30
Left Out: 1593.388+/-0.256 χ²/NDF:71876.3/24
Right Out: 1670.147+/-0.275 χ²/NDF: 296873.3/32
Left In: 1585.919+/-0.262 χ²/NDF:41915.1/22
Left: 1589.737+/-0.183 χ²/NDF: 114206.7/47
Right: 1669.866+/-0.193 χ²/NDF: 621562.2/63
In: 1626.524+/-0.188 χ²/NDF:416077.2/53
Out: 1629.051+/-0.187 χ²/NDF:410438.3/57
All: 1627.791+/-0.133 χ²/NDF: 826606.1/111

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 392.789+/-1495.310 χ^2/NDF: 34.9/30

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -1785.800+/-1435.609 χ^2/NDF: 33.1/32

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

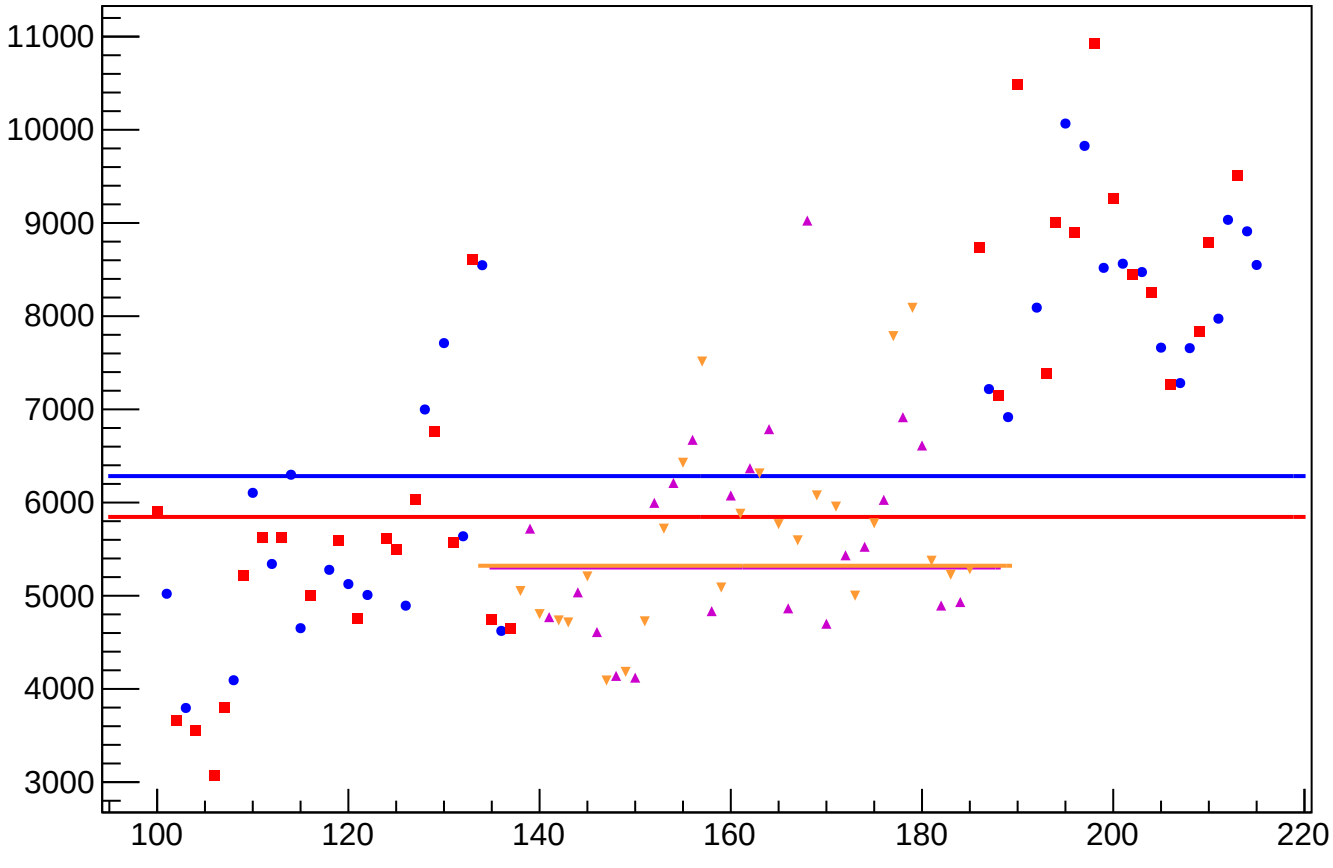
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -740.863+/-1035.591 χ^2/NDF: 69.1/63

In: 14.094+/-964.702 χ^2/NDF:49.6/53

Out: -412.286+/-935.610 χ^2/NDF:60.7/57

All: -205.622+/-671.626 χ^2/NDF: 110.5/111



Right In: 6283.868+/-1.057 χ^2/NDF: 3003122.9/30

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5845.733+/-1.015 χ^2/NDF: 4142114.8/32

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

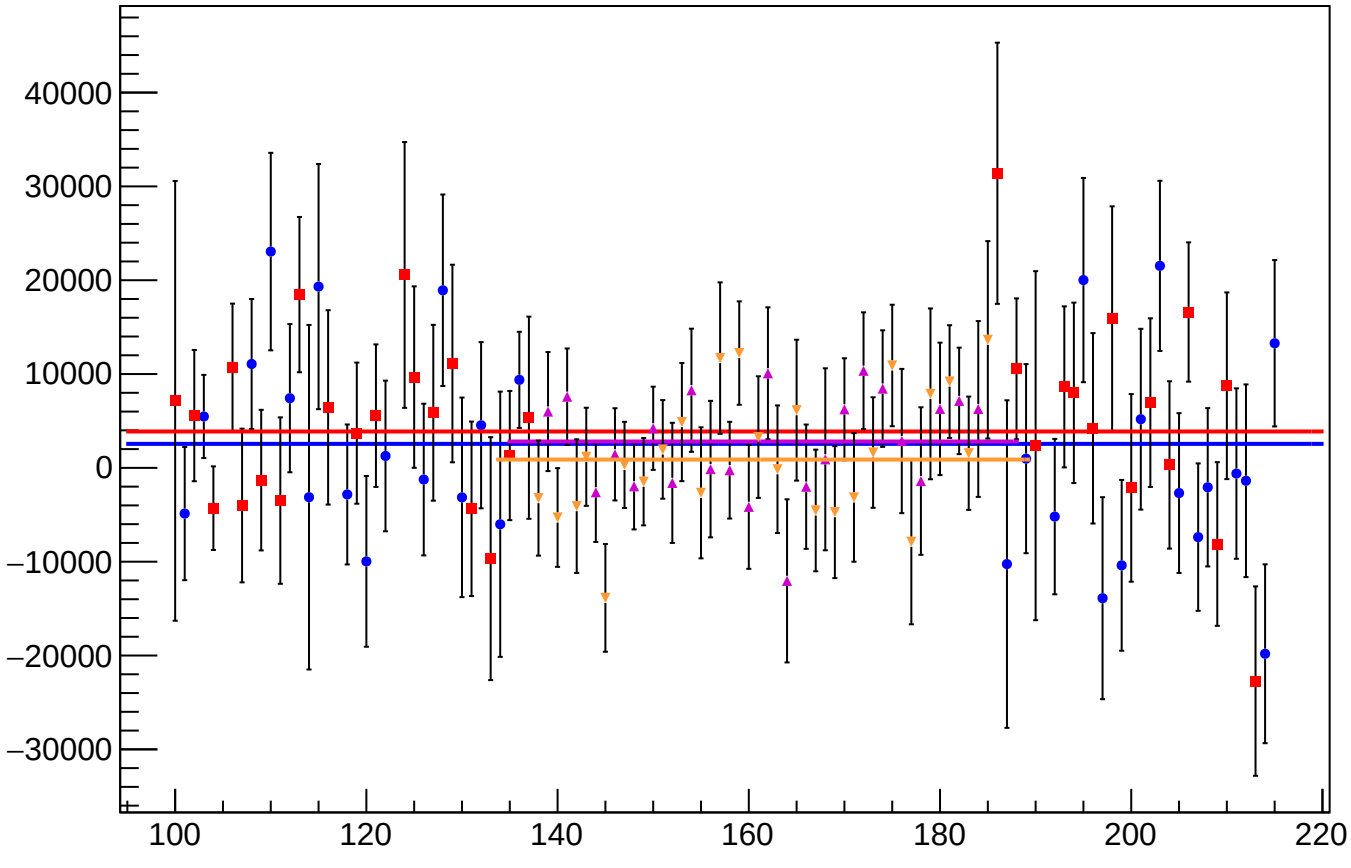
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 6055.880+/-0.732 χ^2/NDF: 7234586.3/63

In: 5711.175+/-0.682 χ^2/NDF:4658034.0/53

Out: 5544.427+/-0.662 χ^2/NDF:5332271.6/57

All: 5625.249+/-0.475 χ^2/NDF: 10021096.9/1



Right In: 2558.298+/-1525.191 χ^2/NDF: 39.0/30

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 3877.526+/-1515.924 χ^2/NDF: 32.9/32

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

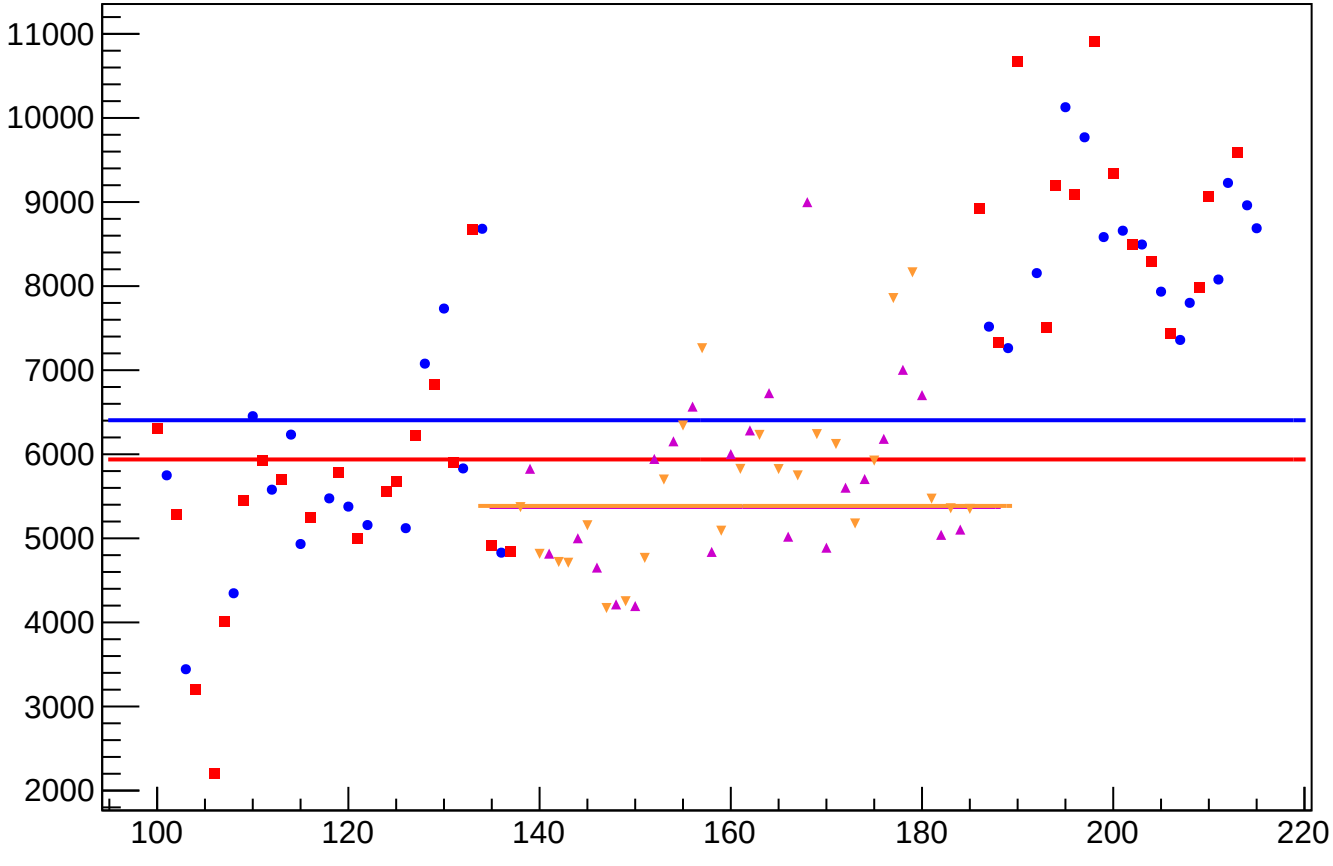
Right: 3221.932+/-1075.181 χ^2/NDF: 72.3/63

In: 2706.660+/-979.221 χ^2/NDF:53.7/53

Out: 2092.435+/-962.805 χ^2/NDF:60.9/57

All: 2394.356+/-686.536 χ^2/NDF: 114.9/111

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6404.788+/-1.078 χ^2/NDF: 3095035.9/30

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5938.280+/-1.045 χ^2/NDF: 4663062.9/32

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

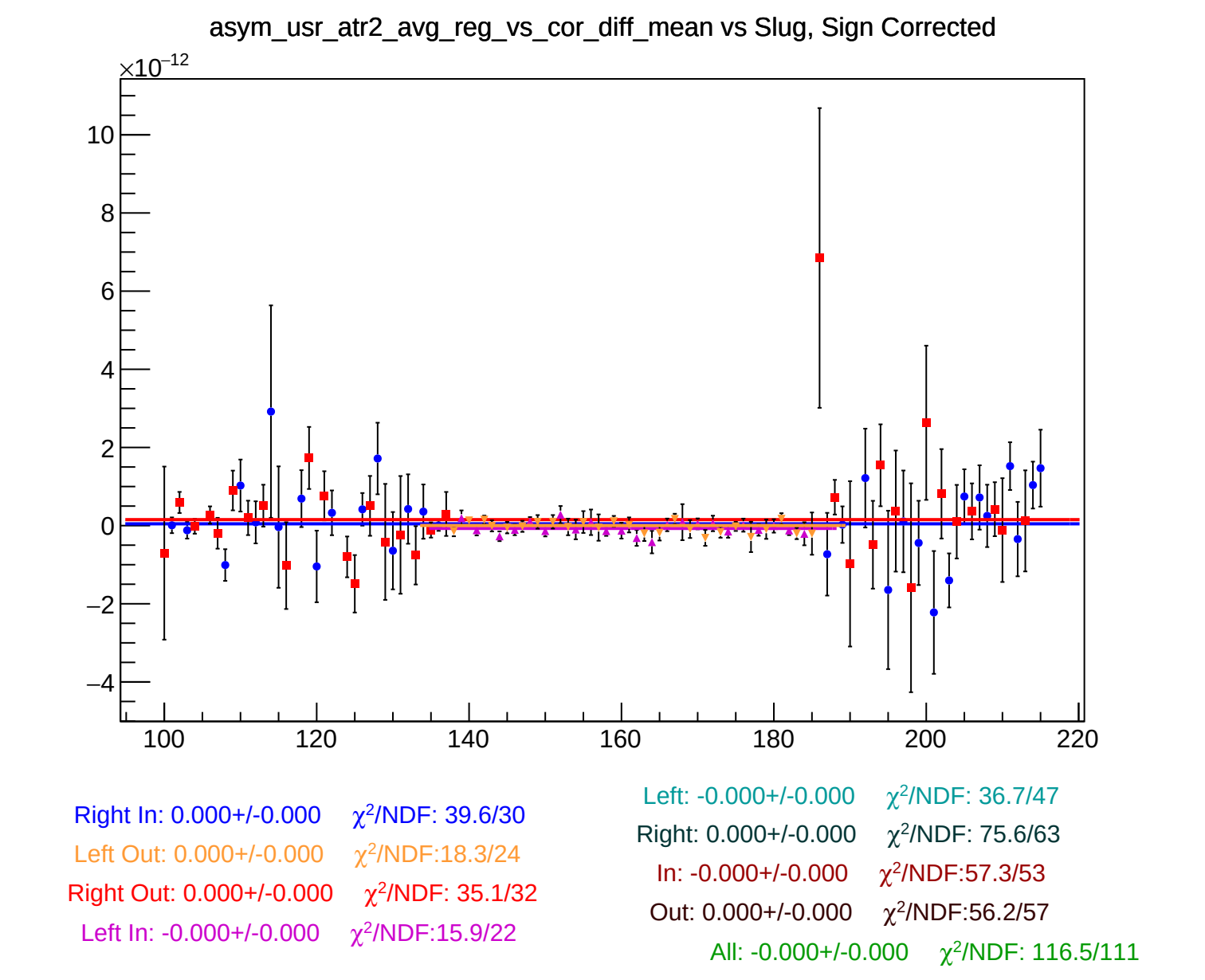
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

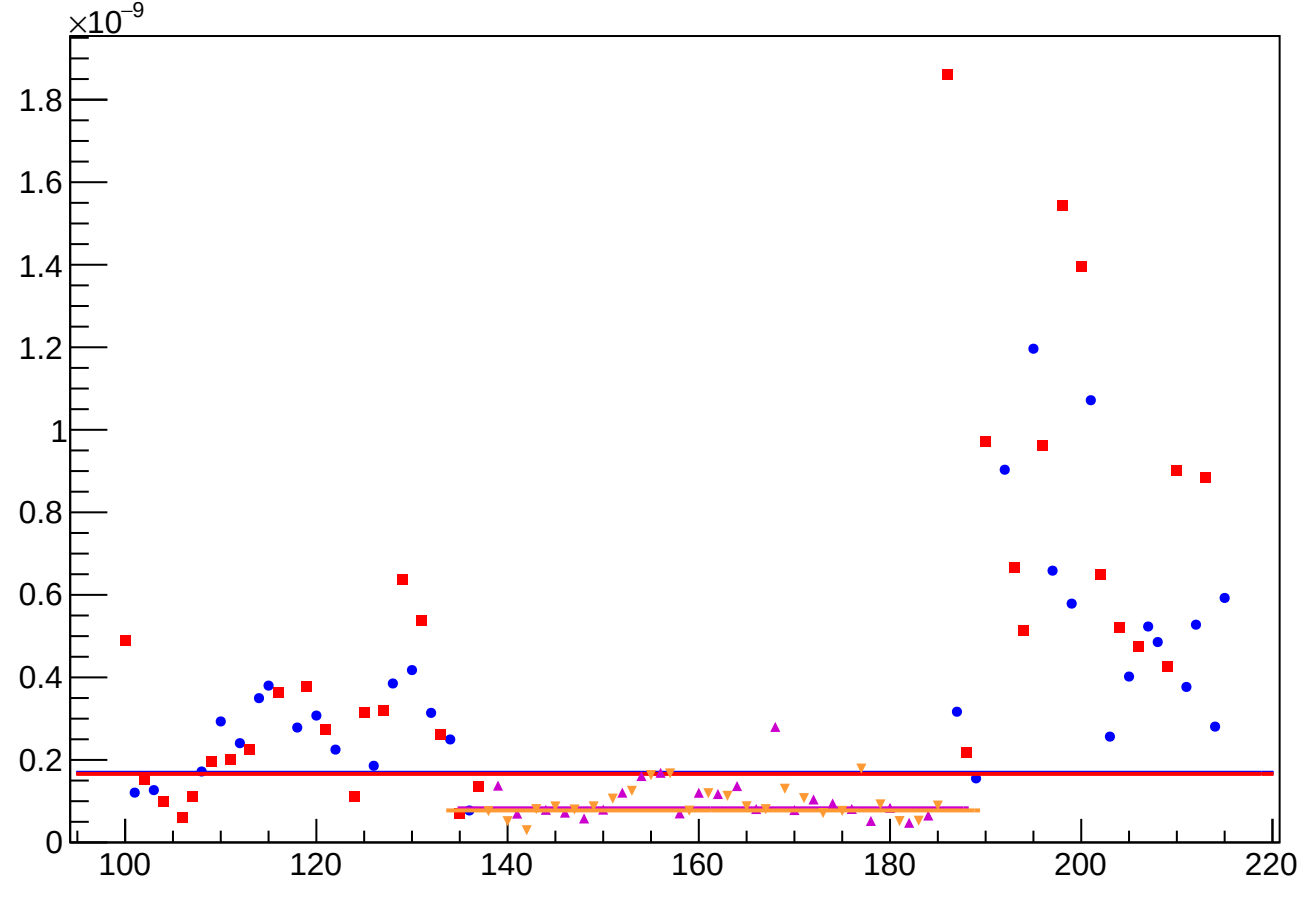
Right: 6164.128+/-0.750 χ^2/NDF: 7854625.0/63

In: 5798.229+/-0.692 χ^2/NDF:4705004.3/53

Out: 5615.436+/-0.674 χ^2/NDF:5813605.7/57

All: 5704.327+/-0.483 χ^2/NDF: 10554411.8/1


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 39.6/30
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.1/32
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: 75.6/63
In: -0.000+/-0.000 χ²/NDF:57.3/53
Out: 0.000+/-0.000 χ²/NDF:56.2/57
All: -0.000+/-0.000 χ²/NDF: 116.5/111



Right In: 0.000+/-0.000 χ^2/NDF: 6088548.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7795411.9/32

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13885050.9/63

In: 0.000+/-0.000 χ^2/NDF:9605923.8/53

Out: 0.000+/-0.000 χ^2/NDF:11356834.7/57

All: 0.000+/-0.000 χ^2/NDF: 21023220.8/111

Right In: -0.015+/-0.053 χ^2/NDF: 30.1/30

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.064+/-0.051 χ^2/NDF: 38.6/32

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

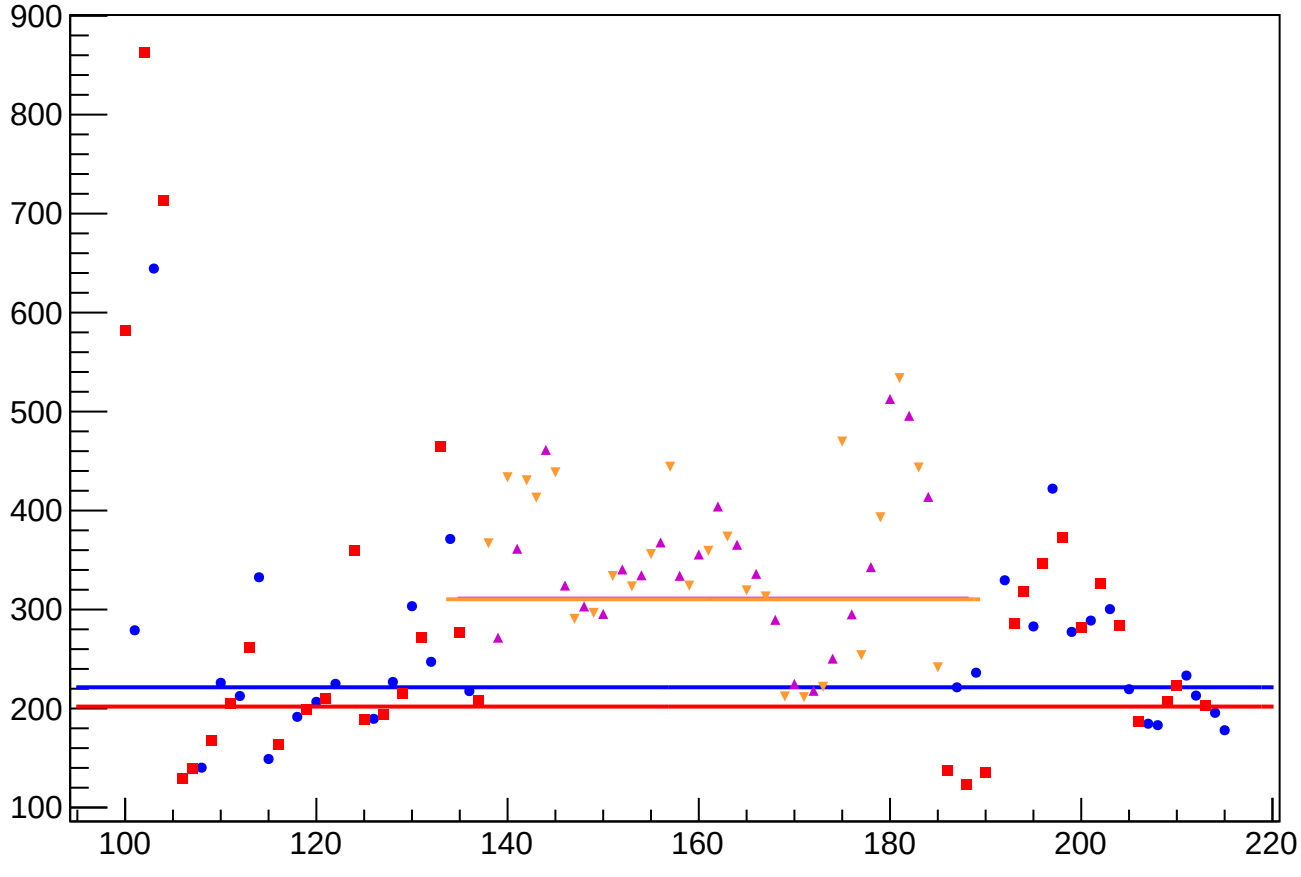
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.026+/-0.037 χ^2/NDF: 69.8/63

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.006+/-0.030 χ^2/NDF: 129.9/111



Right In: 221.448+/-0.038 χ^2/NDF: 2354036.7/30

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 201.971+/-0.036 χ^2/NDF: 4355202.9/32

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

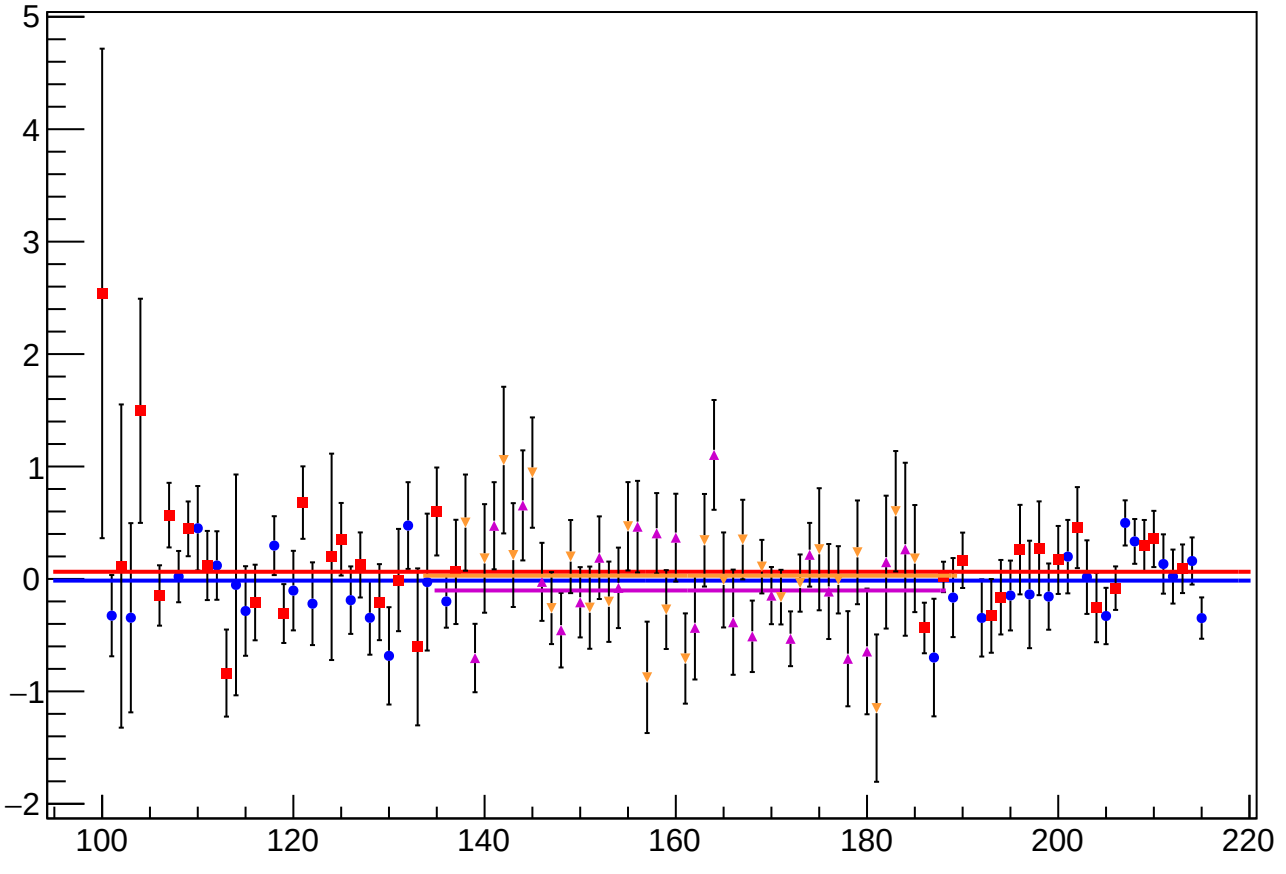
Right: 211.360+/-0.026 χ^2/NDF: 6847593.9/63

In: 250.825+/-0.031 χ^2/NDF:5805906.4/53

Out: 236.836+/-0.030 χ^2/NDF:9577046.0/57

All: 243.613+/-0.022 χ^2/NDF: 15488687.1/11

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.053 χ^2/NDF: 30.1/30

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.064+/-0.051 χ^2/NDF: 38.6/32

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

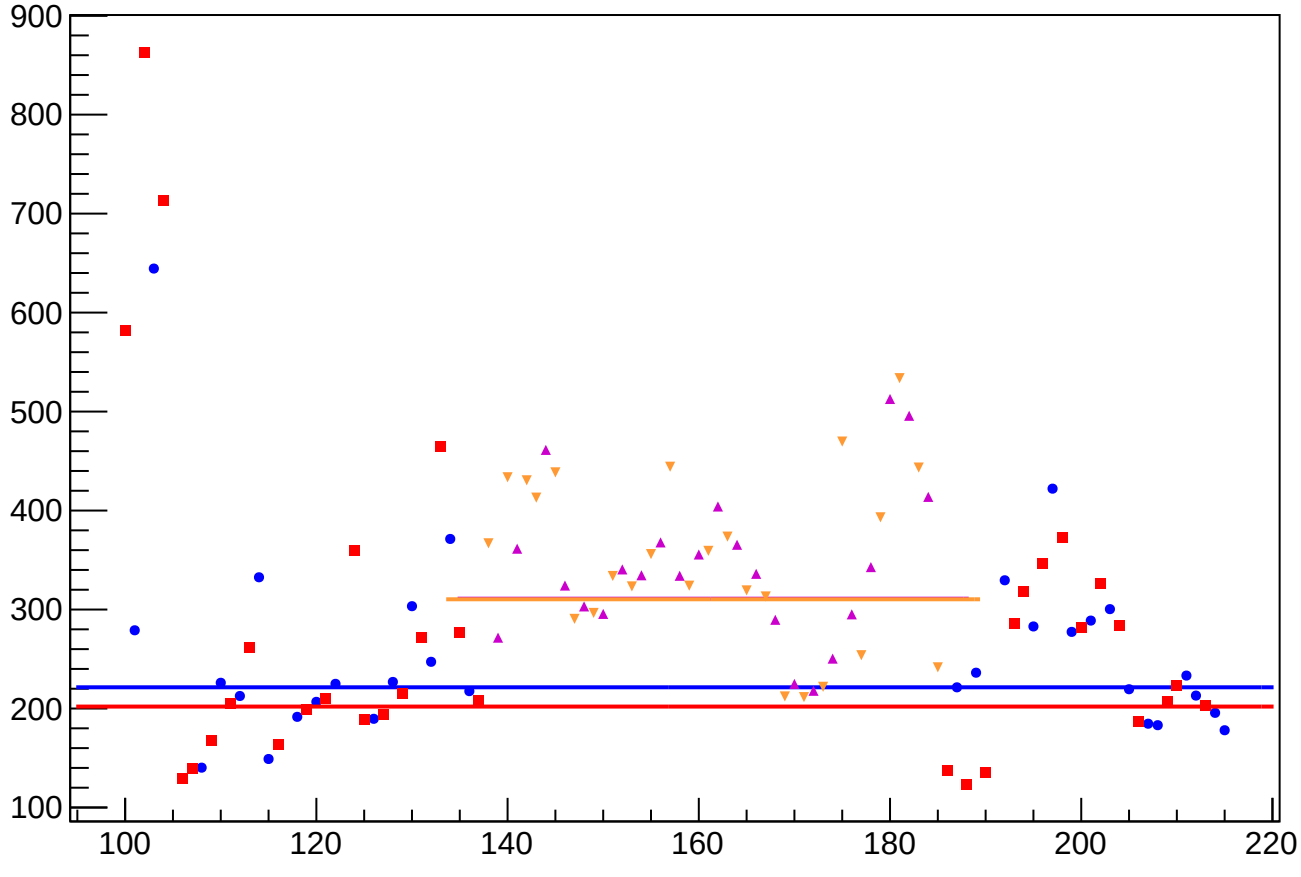
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.026+/-0.037 χ^2/NDF: 69.8/63

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.006+/-0.030 χ^2/NDF: 129.9/111



Right In: 221.448+/-0.038 χ^2/NDF: 2354036.7/30

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 201.971+/-0.036 χ^2/NDF: 4355202.9/32

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

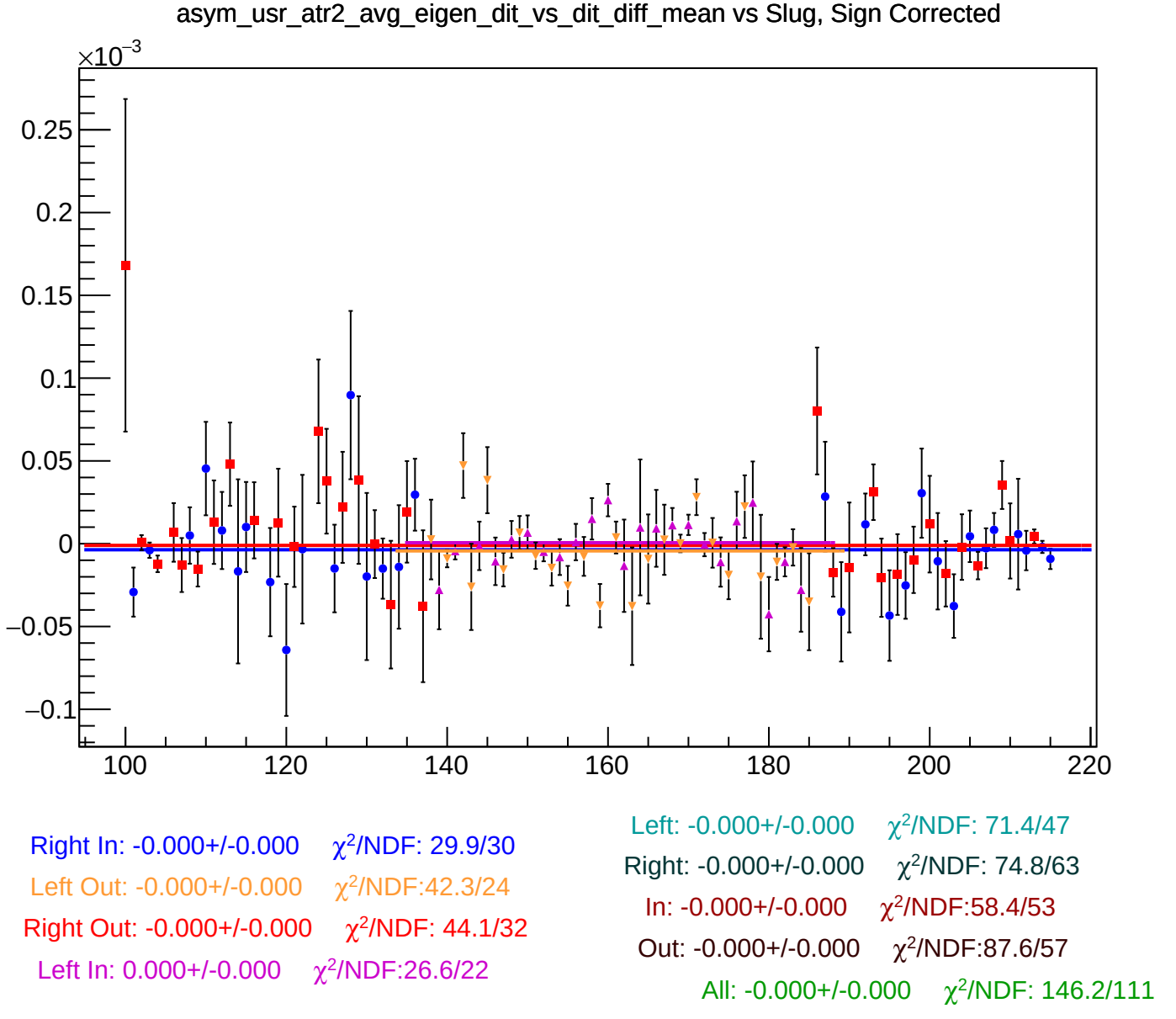
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 211.360+/-0.026 χ^2/NDF: 6847593.9/63

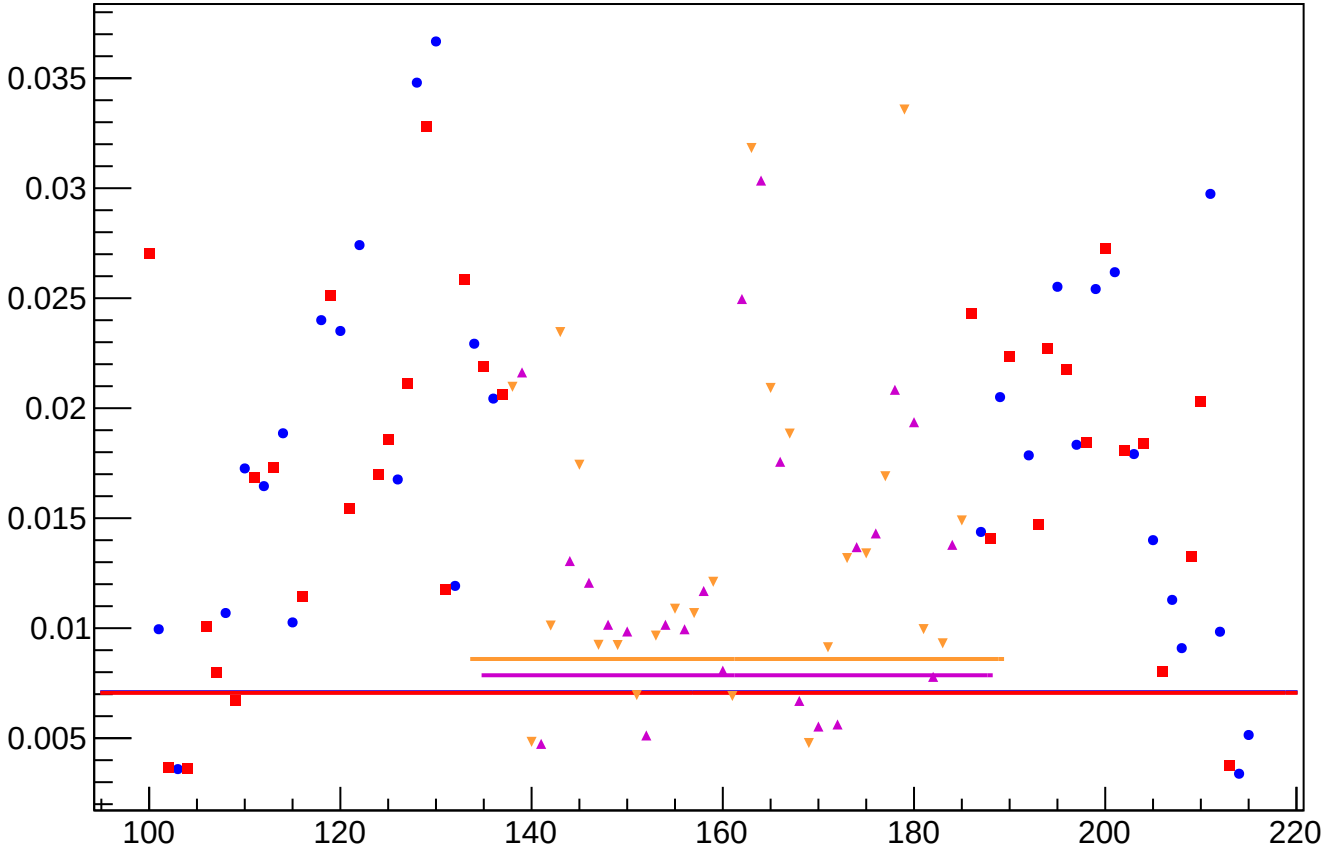
In: 250.825+/-0.031 χ^2/NDF:5805906.4/53

Out: 236.836+/-0.030 χ^2/NDF:9577046.0/57

All: 243.613+/-0.022 χ^2/NDF: 15488687.1/11


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 29.9/30
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 44.1/32
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 74.8/63
In: -0.000+/-0.000 χ²/NDF:58.4/53
Out: -0.000+/-0.000 χ²/NDF:87.6/57
All: -0.000+/-0.000 χ²/NDF: 146.2/111

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 15184372.3/30

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.007+/-0.000 χ^2/NDF: 14546787.8/32

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

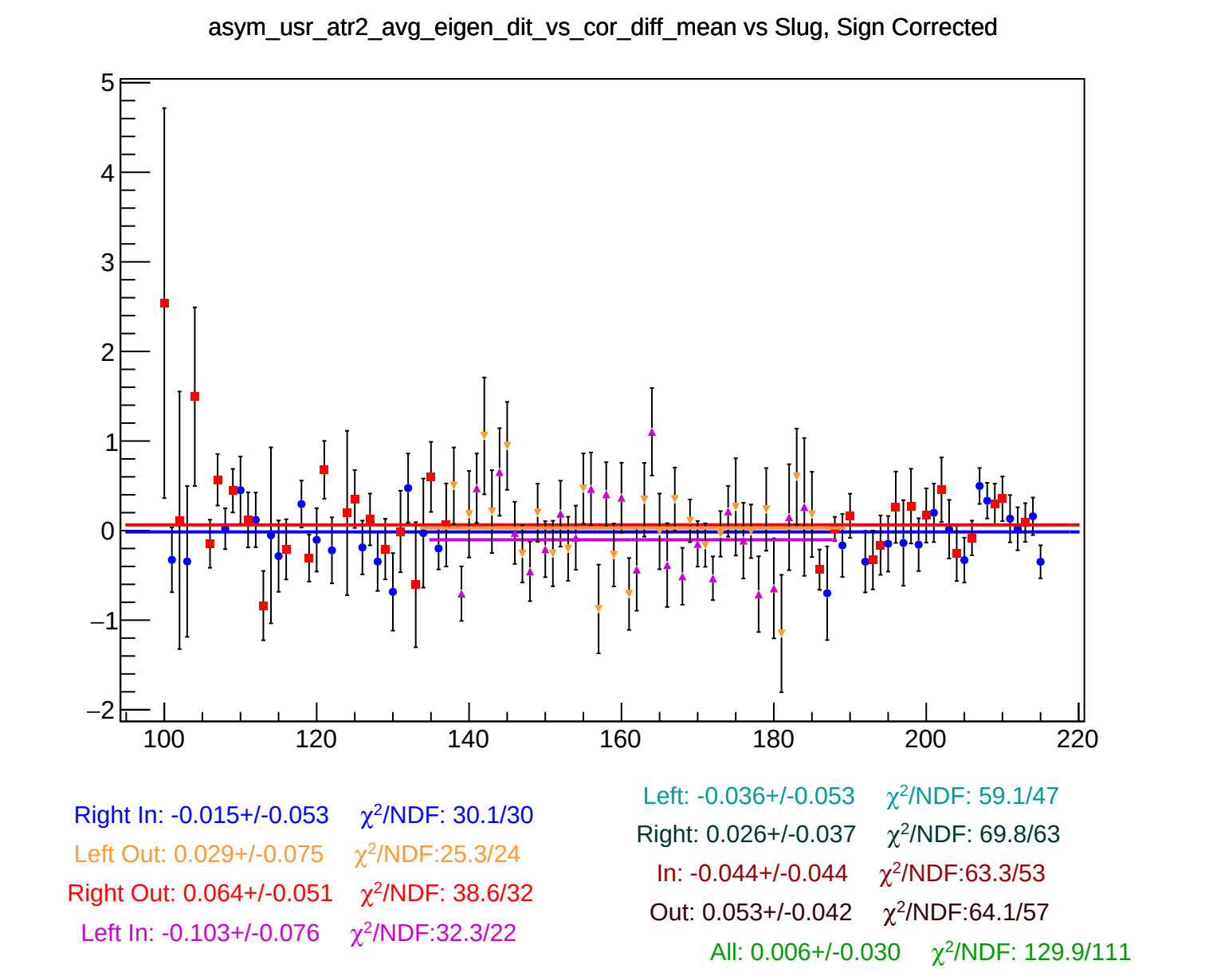
Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

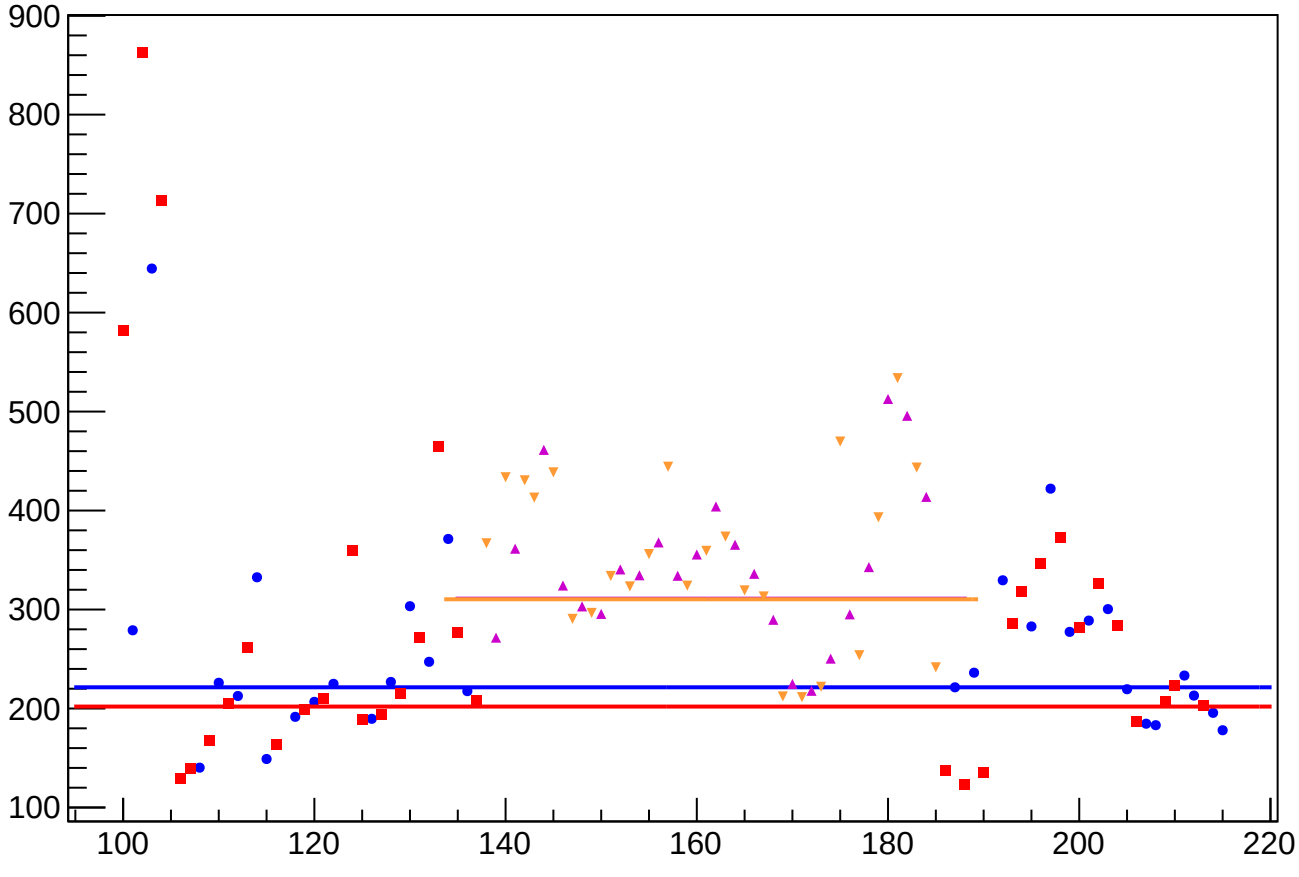
Right: 0.007+/-0.000 χ^2/NDF: 29731335.5/63

In: 0.007+/-0.000 χ^2/NDF:22091480.5/53

Out: 0.008+/-0.000 χ^2/NDF:22690078.2/57

All: 0.008+/-0.000 χ^2/NDF: 44823786.1/111


asym_usr_atr2_avg_eigen_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: -0.015+/-0.053 χ²/NDF: 30.1/30
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.064+/-0.051 χ²/NDF: 38.6/32
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: 0.026+/-0.037 χ²/NDF: 69.8/63
In: -0.044+/-0.044 χ²/NDF:63.3/53
Out: 0.053+/-0.042 χ²/NDF:64.1/57
All: 0.006+/-0.030 χ²/NDF: 129.9/111



Right In: 221.448+/-0.038 χ^2/NDF: 2354038.2/30

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 201.968+/-0.036 χ^2/NDF: 4355359.3/32

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

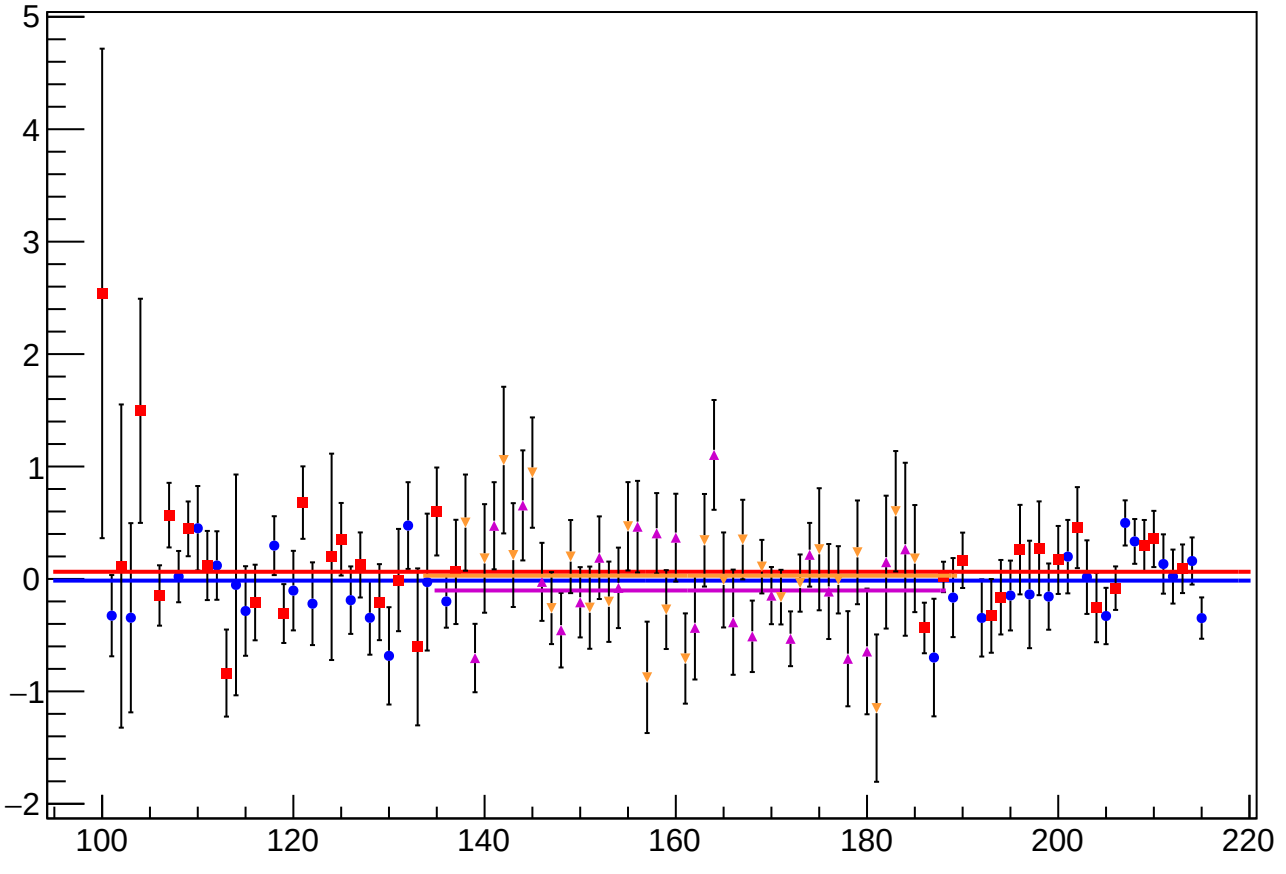
Right: 211.359+/-0.026 χ^2/NDF: 6847782.5/63

In: 250.825+/-0.031 χ^2/NDF:5806073.5/53

Out: 236.834+/-0.030 χ^2/NDF:9577543.9/57

All: 243.612+/-0.022 χ^2/NDF: 15489381.1/11

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.053 χ^2/NDF: 30.1/30

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.064+/-0.051 χ^2/NDF: 38.6/32

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

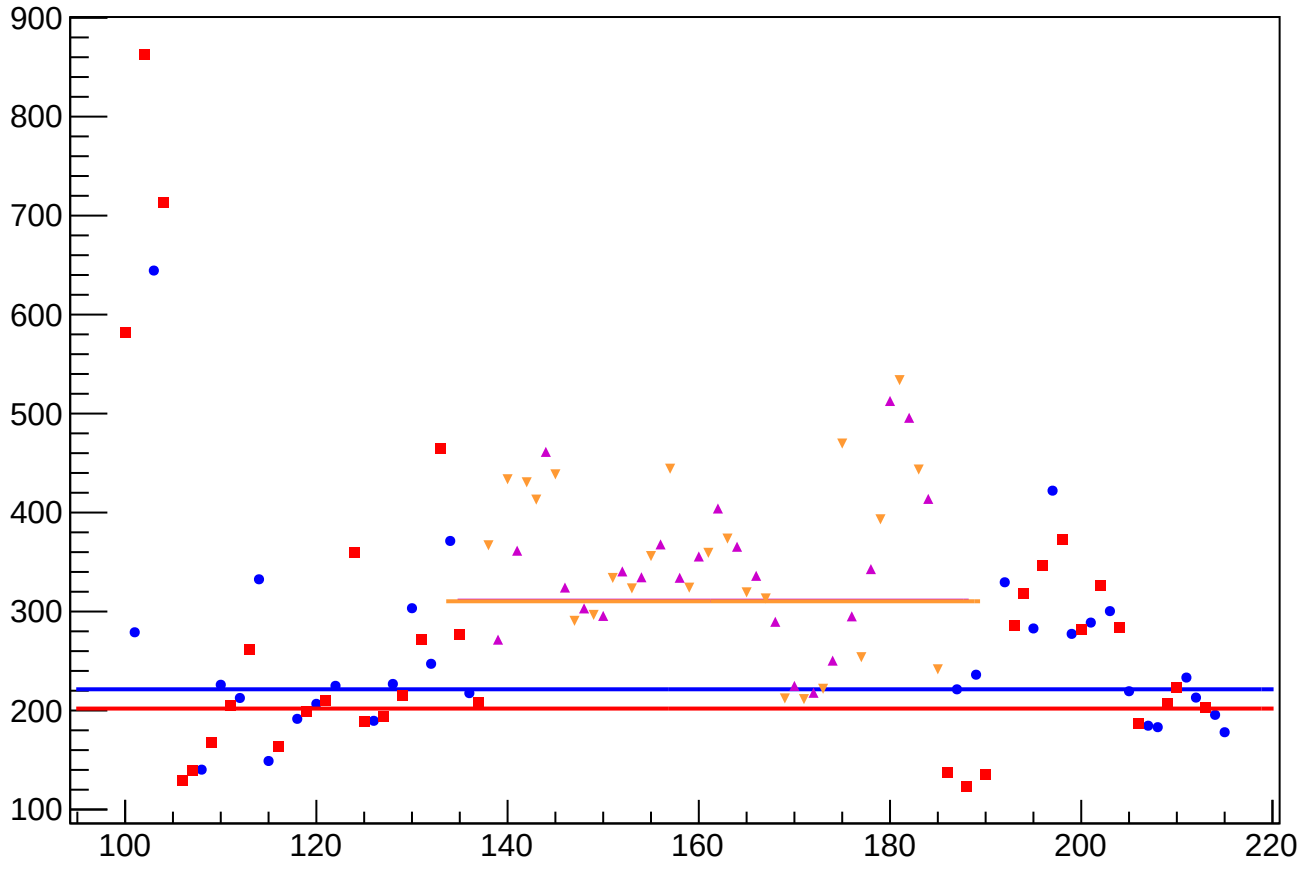
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.026+/-0.037 χ^2/NDF: 69.8/63

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.053+/-0.042 χ^2/NDF:64.1/57

All: 0.006+/-0.030 χ^2/NDF: 129.9/111



Right In: 221.448+/-0.038 χ^2/NDF: 2354038.2/30

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 201.968+/-0.036 χ^2/NDF: 4355359.3/32

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

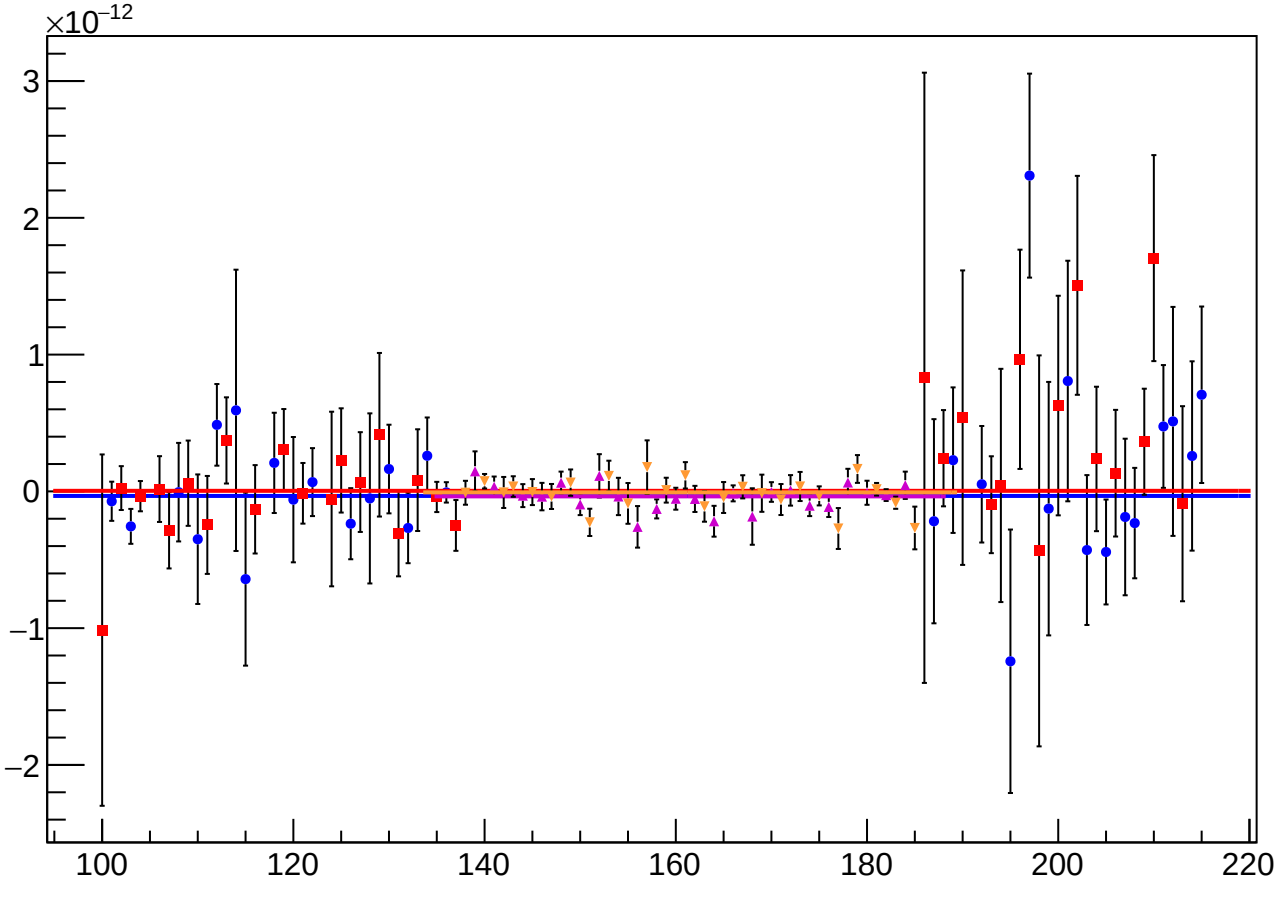
Right: 211.359+/-0.026 χ^2/NDF: 6847782.5/63

In: 250.825+/-0.031 χ^2/NDF:5806073.5/53

Out: 236.834+/-0.030 χ^2/NDF:9577543.9/57

All: 243.612+/-0.022 χ^2/NDF: 15489381.1/11

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/32

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

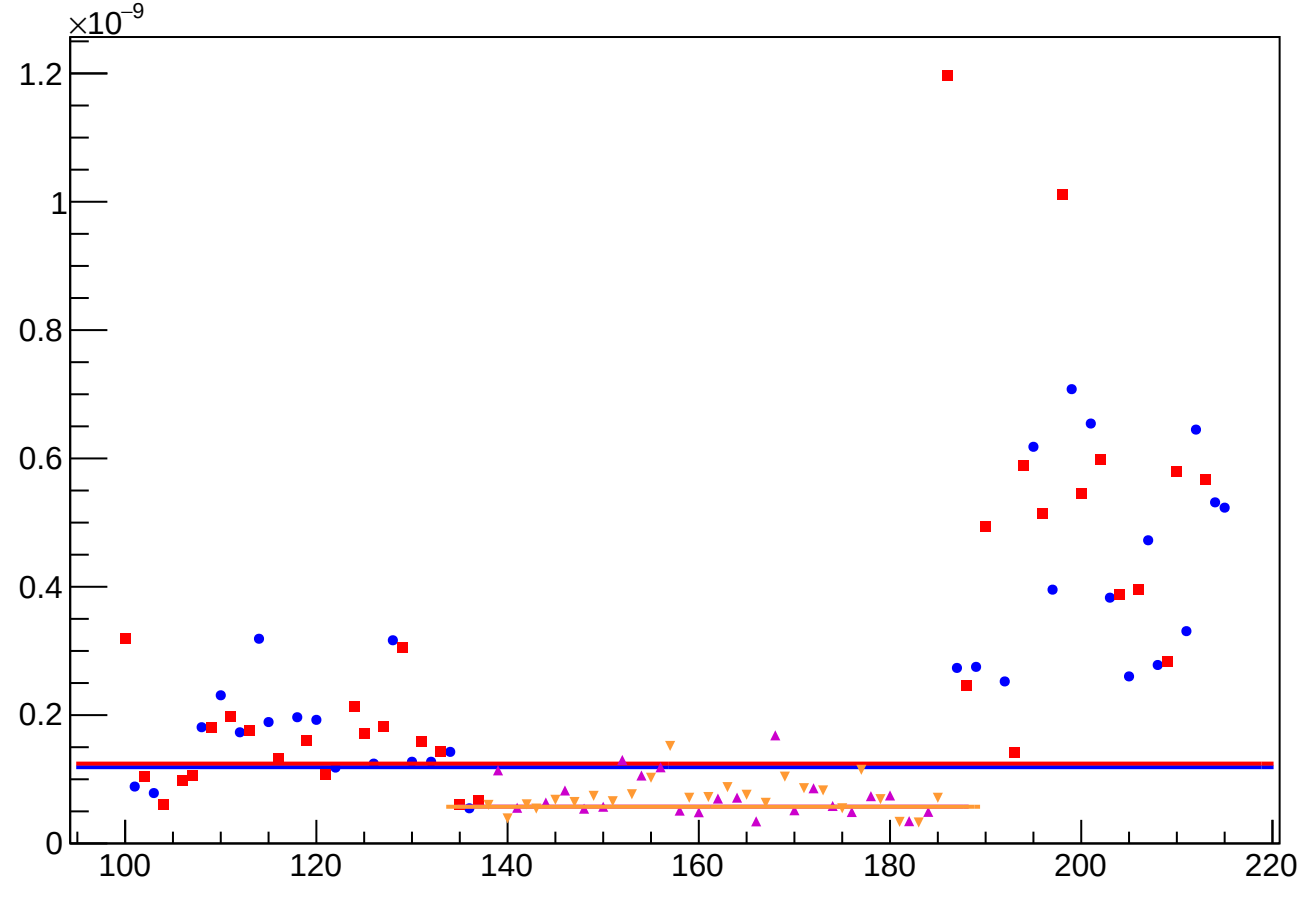
Left: -0.000+/-0.000 χ^2/NDF: 44.0/47

Right: -0.000+/-0.000 χ^2/NDF: 51.4/63

In: -0.000+/-0.000 χ^2/NDF:46.1/53

Out: -0.000+/-0.000 χ^2/NDF:47.5/57

All: -0.000+/-0.000 χ^2/NDF: 95.4/111



Right In: 0.000+/-0.000 χ^2/NDF: 9833977.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9258796.9/32

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

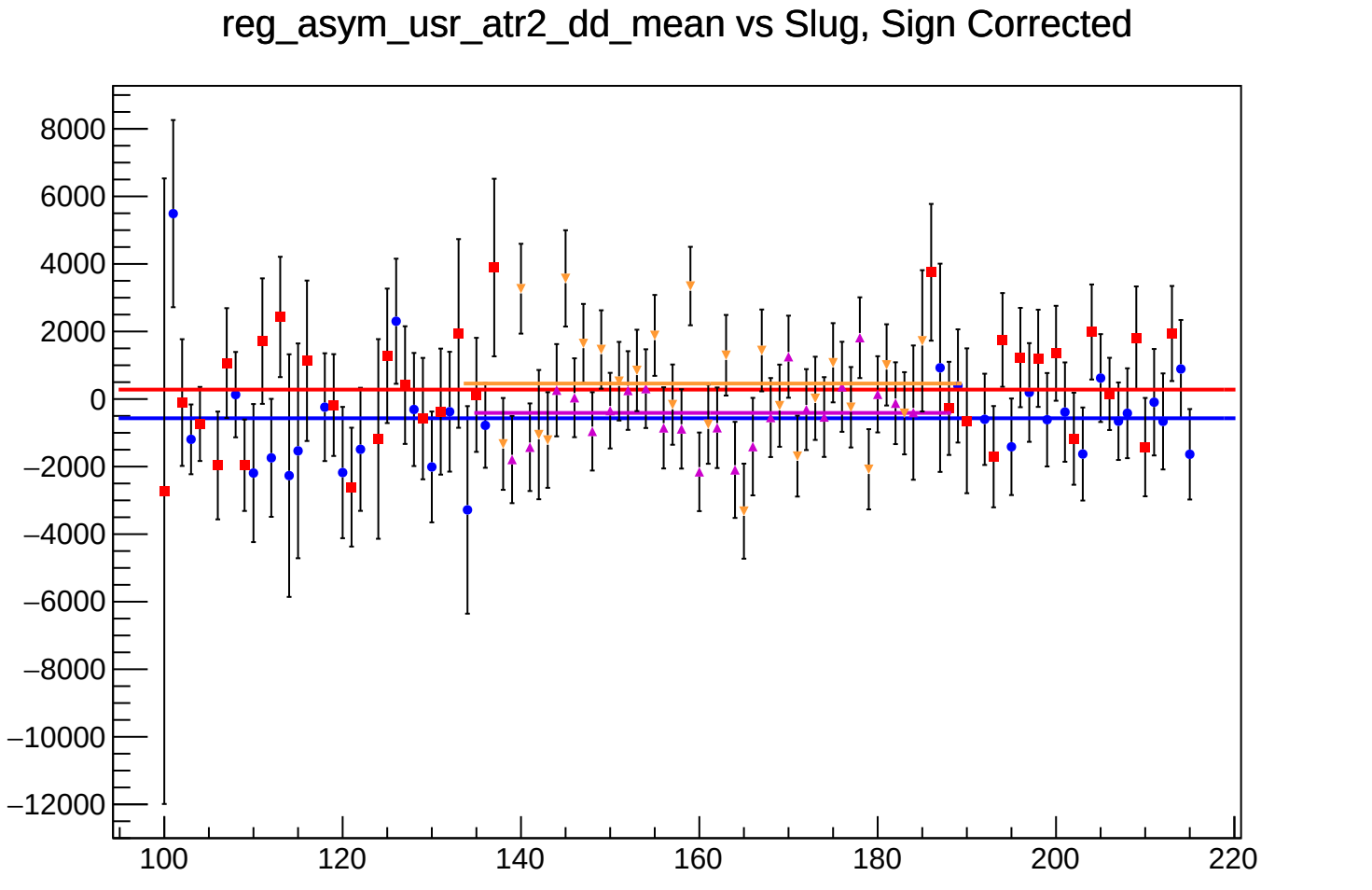
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19106076.8/63

In: 0.000+/-0.000 χ^2/NDF:16108239.7/53

Out: 0.000+/-0.000 χ^2/NDF:15916625.6/57

All: 0.000+/-0.000 χ^2/NDF: 32025355.0/111



Right In: -569.238+/-279.512 χ^2/NDF: 16.2/30

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 279.282+/-281.306 χ^2/NDF: 28.0/32

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

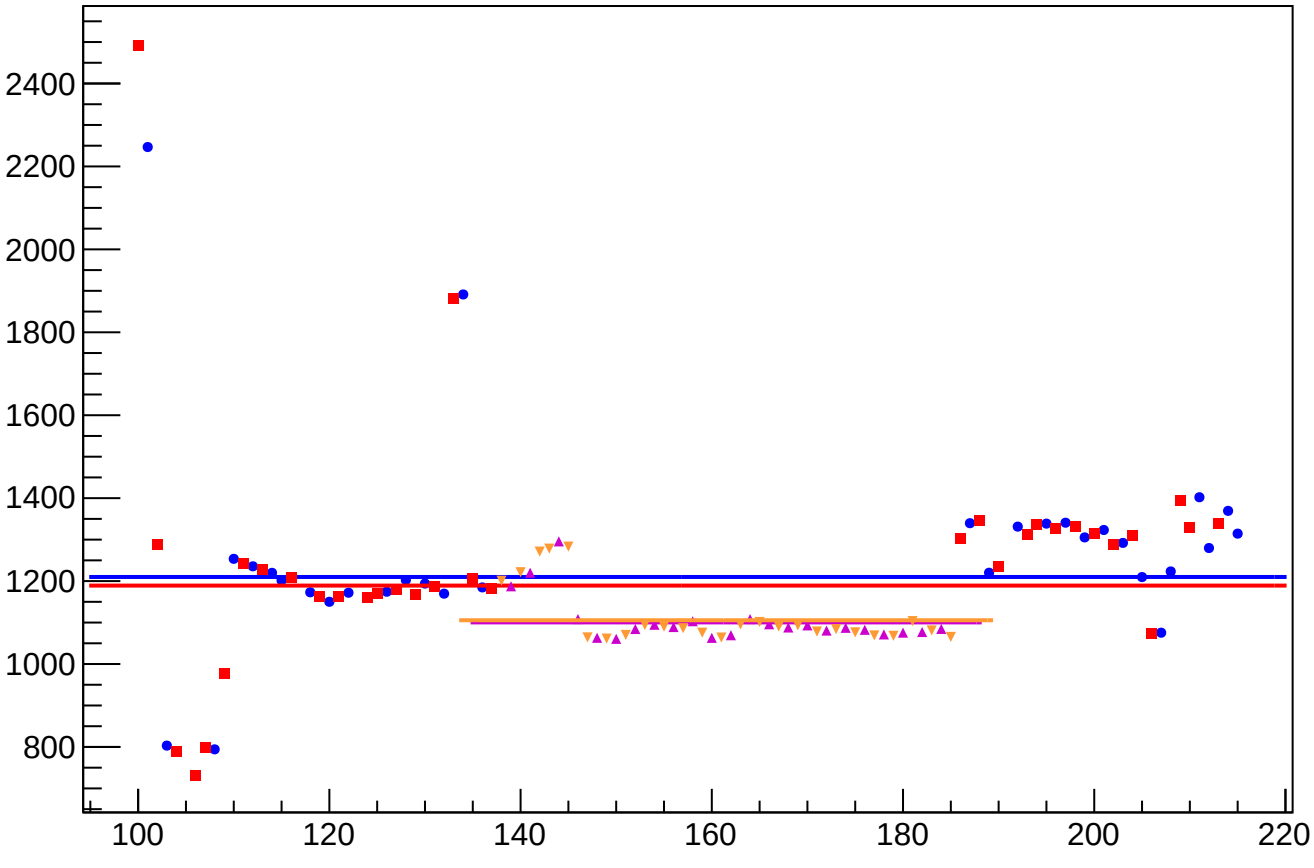
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -147.692+/-198.276 χ^2/NDF: 48.8/63

In: -483.694+/-189.265 χ^2/NDF:30.1/53

Out: 379.029+/-187.509 χ^2/NDF:70.3/57

All: -48.310+/-133.205 χ^2/NDF: 110.9/111



Right In: 1209.919+/-0.198 χ^2/NDF: 1092123.5/30

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1189.154+/-0.198 χ^2/NDF: 1056056.3/32

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

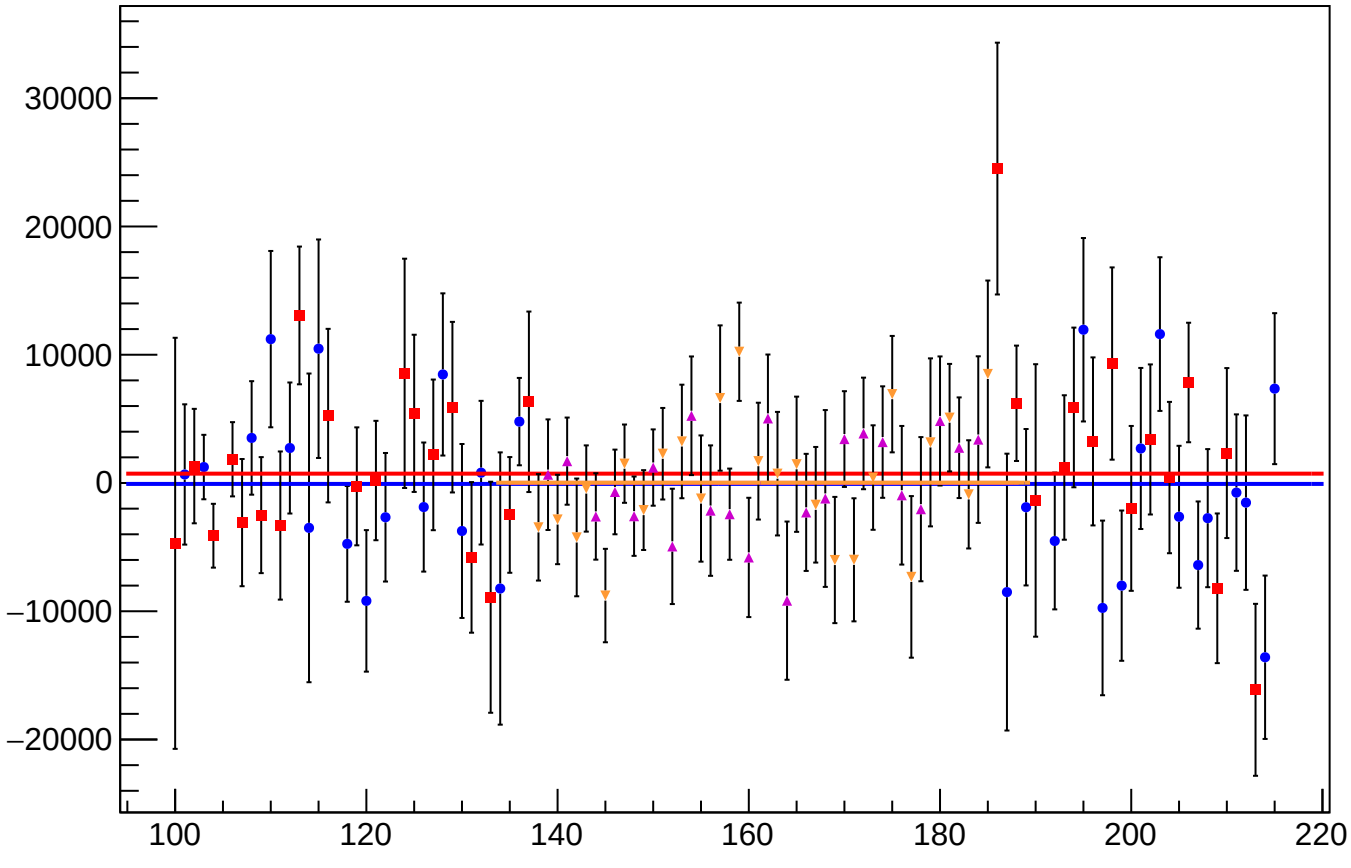
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1199.562+/-0.140 χ^2/NDF: 2153685.3/63

In: 1150.588+/-0.134 χ^2/NDF:1338782.8/53

Out: 1142.856+/-0.132 χ^2/NDF:1276600.1/57

All: 1146.679+/-0.094 χ^2/NDF: 2617069.9/11



Right In: -72.179+/-970.371 χ^2/NDF: 34.8/30

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 728.225+/-922.274 χ^2/NDF: 38.0/32

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

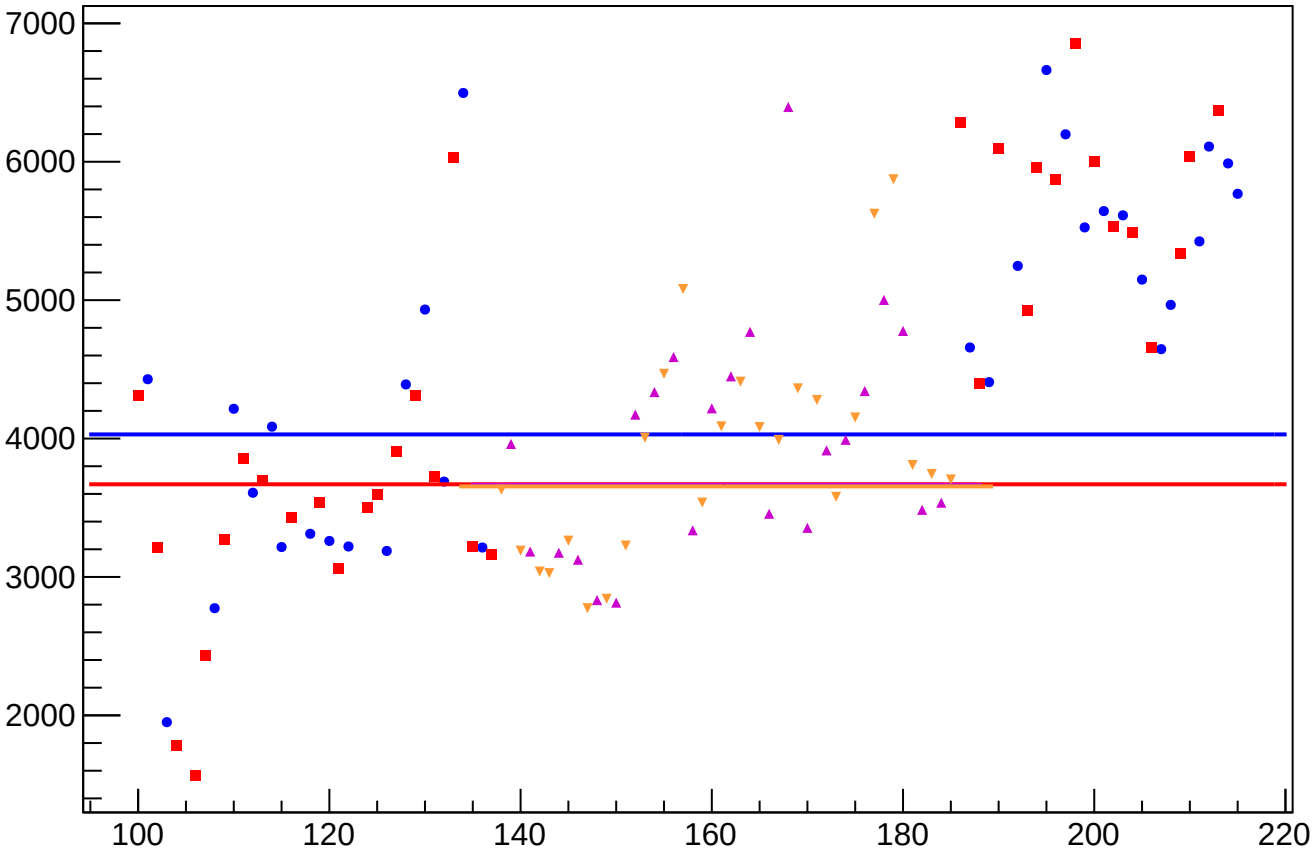
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 348.350+/-668.503 χ^2/NDF: 73.2/63

In: -28.897+/-649.932 χ^2/NDF:48.9/53

Out: 347.266+/-625.192 χ^2/NDF:66.8/57

All: 166.480+/-450.570 χ^2/NDF: 115.8/111



Right In: 4029.923+/-0.686 χ^2/NDF: 3867817.5/30

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3669.614+/-0.652 χ^2/NDF: 5347284.7/32

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

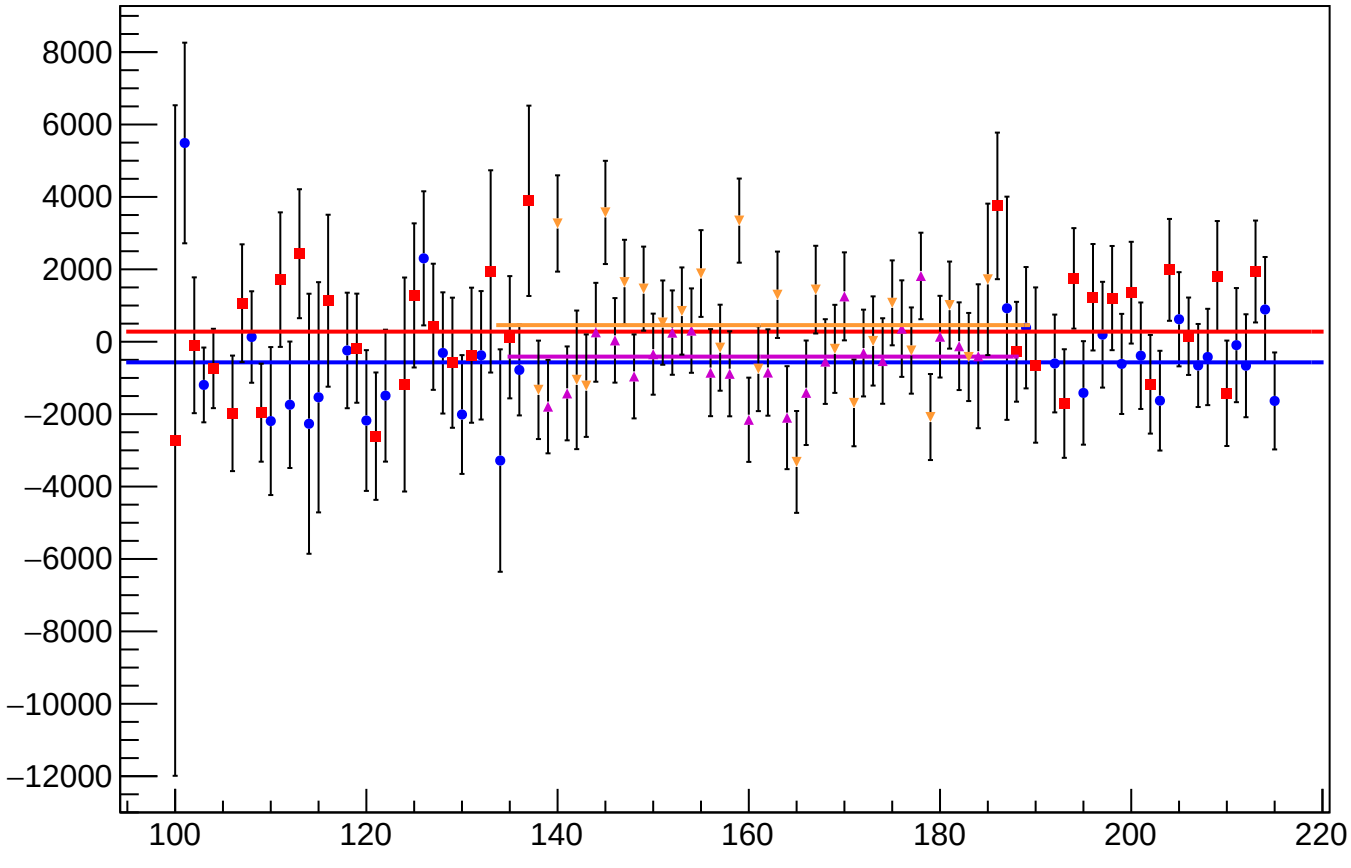
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3840.618+/-0.473 χ^2/NDF: 9359976.4/63

In: 3829.321+/-0.460 χ^2/NDF:5366536.3/53

Out: 3661.282+/-0.442 χ^2/NDF:6659348.4/57

All: 3742.043+/-0.319 χ^2/NDF: 12095325.2/1



Right In: -569.258+/-279.512 χ^2/NDF: 16.2/30

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 279.120+/-281.307 χ^2/NDF: 28.0/32

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

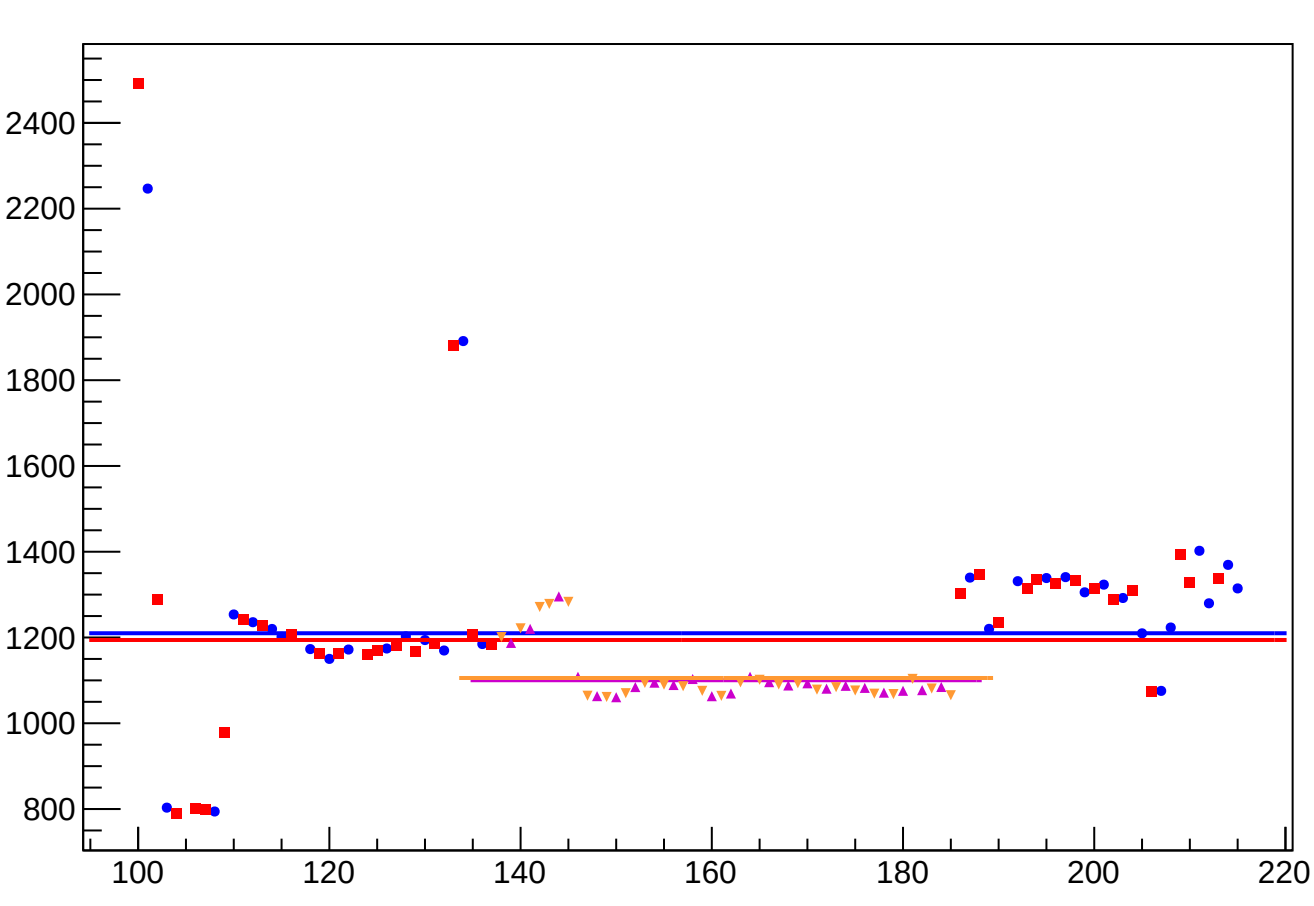
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -147.784+/-198.277 χ^2/NDF: 48.9/63

In: -483.650+/-189.265 χ^2/NDF:30.1/53

Out: 378.992+/-187.509 χ^2/NDF:70.3/57

All: -48.308+/-133.206 χ^2/NDF: 110.9/111



Right In: 1209.919+/-0.198 χ^2/NDF: 1092118.8/30

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1194.190+/-0.199 χ^2/NDF: 974627.5/32

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

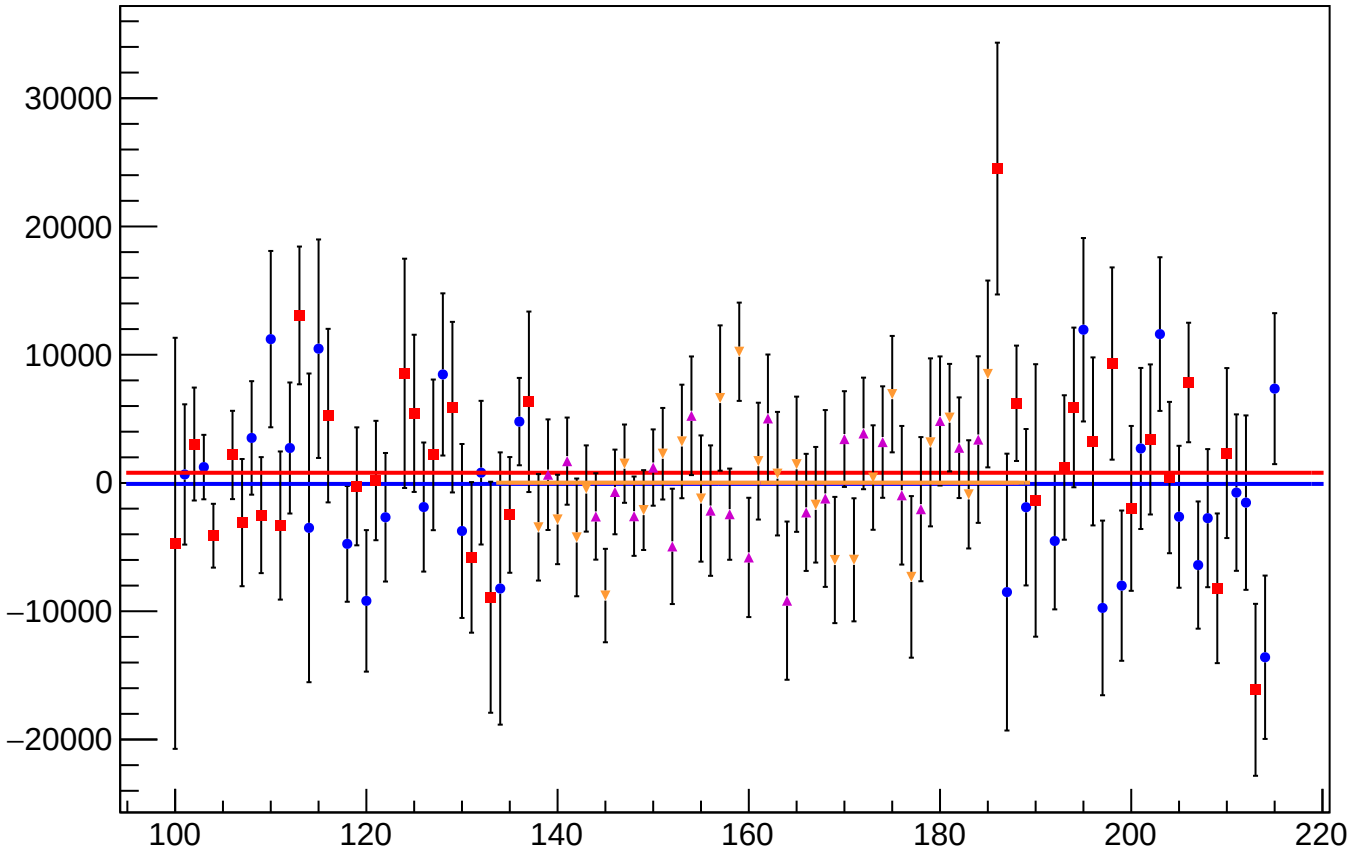
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1202.098+/-0.140 χ^2/NDF: 2069895.6/63

In: 1150.588+/-0.134 χ^2/NDF:1338778.8/53

Out: 1144.972+/-0.133 χ^2/NDF:1207039.5/57

All: 1147.753+/-0.094 χ^2/NDF: 2546707.2/11



Right In: -72.580+/-970.395 χ^2/NDF: 34.8/30

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 797.062+/-935.756 χ^2/NDF: 38.3/32

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

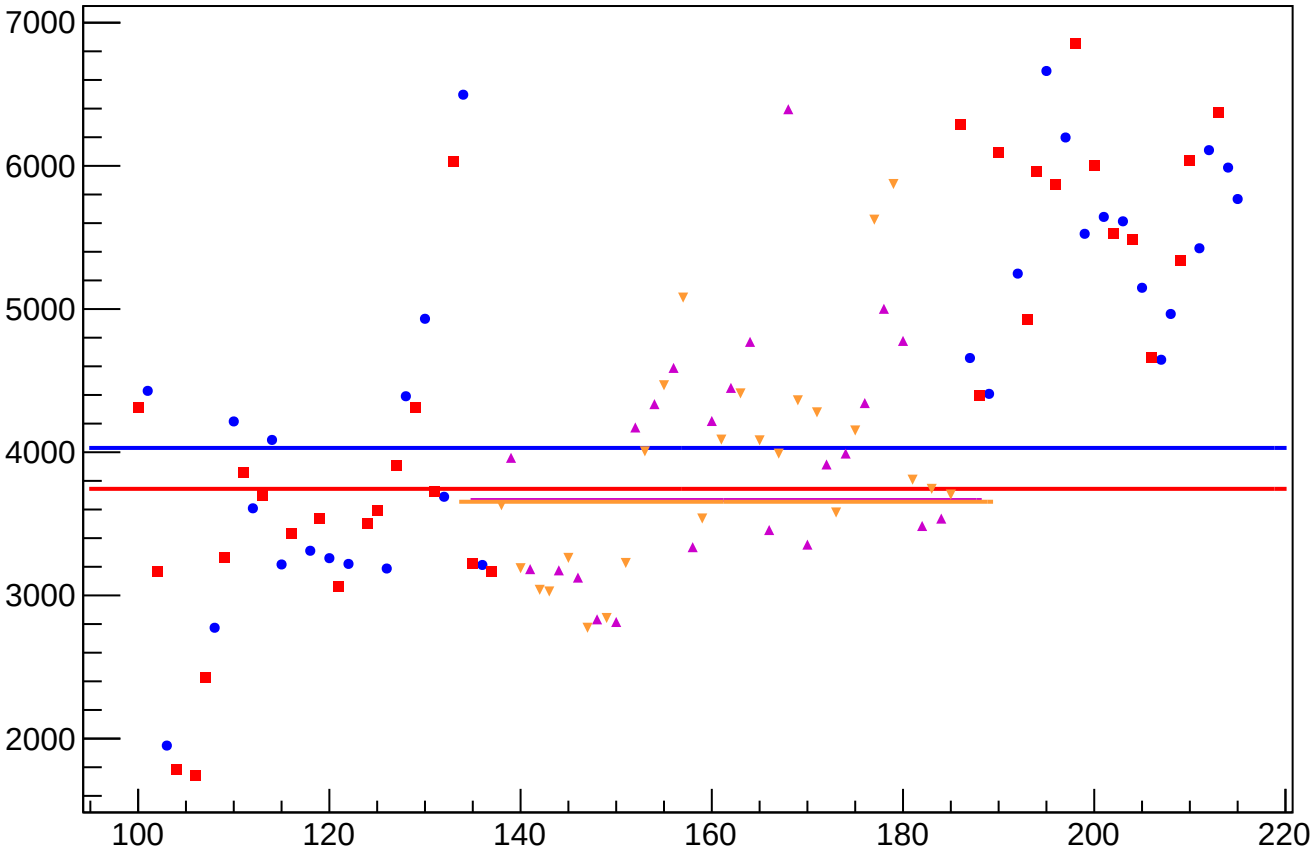
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 378.039+/-673.592 χ^2/NDF: 73.5/63

In: -29.047+/-649.939 χ^2/NDF:48.9/53

Out: 373.326+/-629.343 χ^2/NDF:67.1/57

All: 178.616+/-452.118 χ^2/NDF: 116.2/111


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
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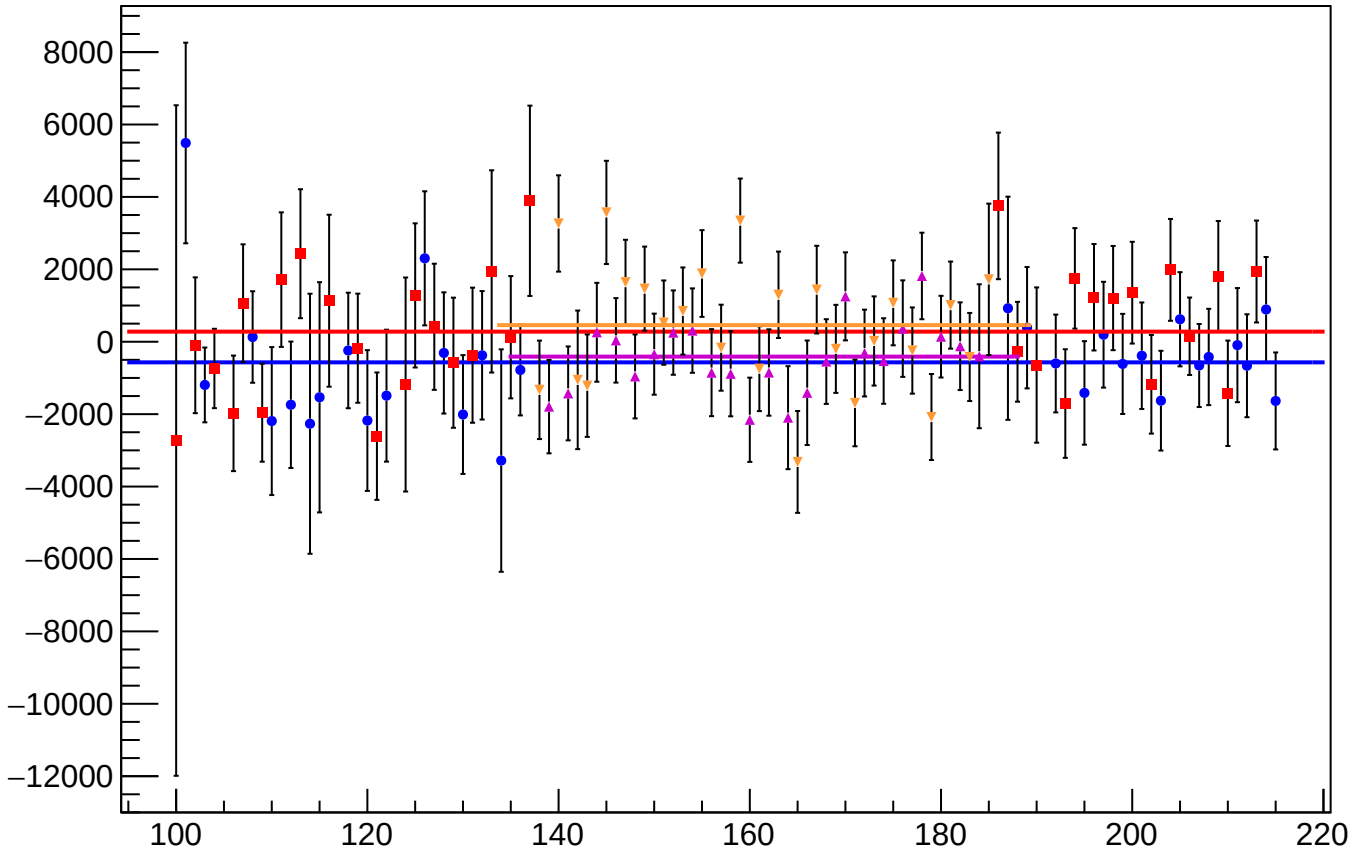
3000
2000
100
120
140
160
180
200
220
Right In: 4030.079+/-0.686 χ²/NDF: 3866879.2/30
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3744.307+/-0.662 χ²/NDF: 4909726.3/32
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3882.002+/-0.476 χ²/NDF: 8866480.9/63
In: 3829.385+/-0.460 χ²/NDF:5365731.9/53
Out: 3694.955+/-0.445 χ²/NDF:6231653.4/57
All: 3760.006+/-0.320 χ²/NDF: 11641543.0/1



Right In: -569.258+/-279.512 χ^2/NDF: 16.2/30

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 279.120+/-281.307 χ^2/NDF: 28.0/32

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

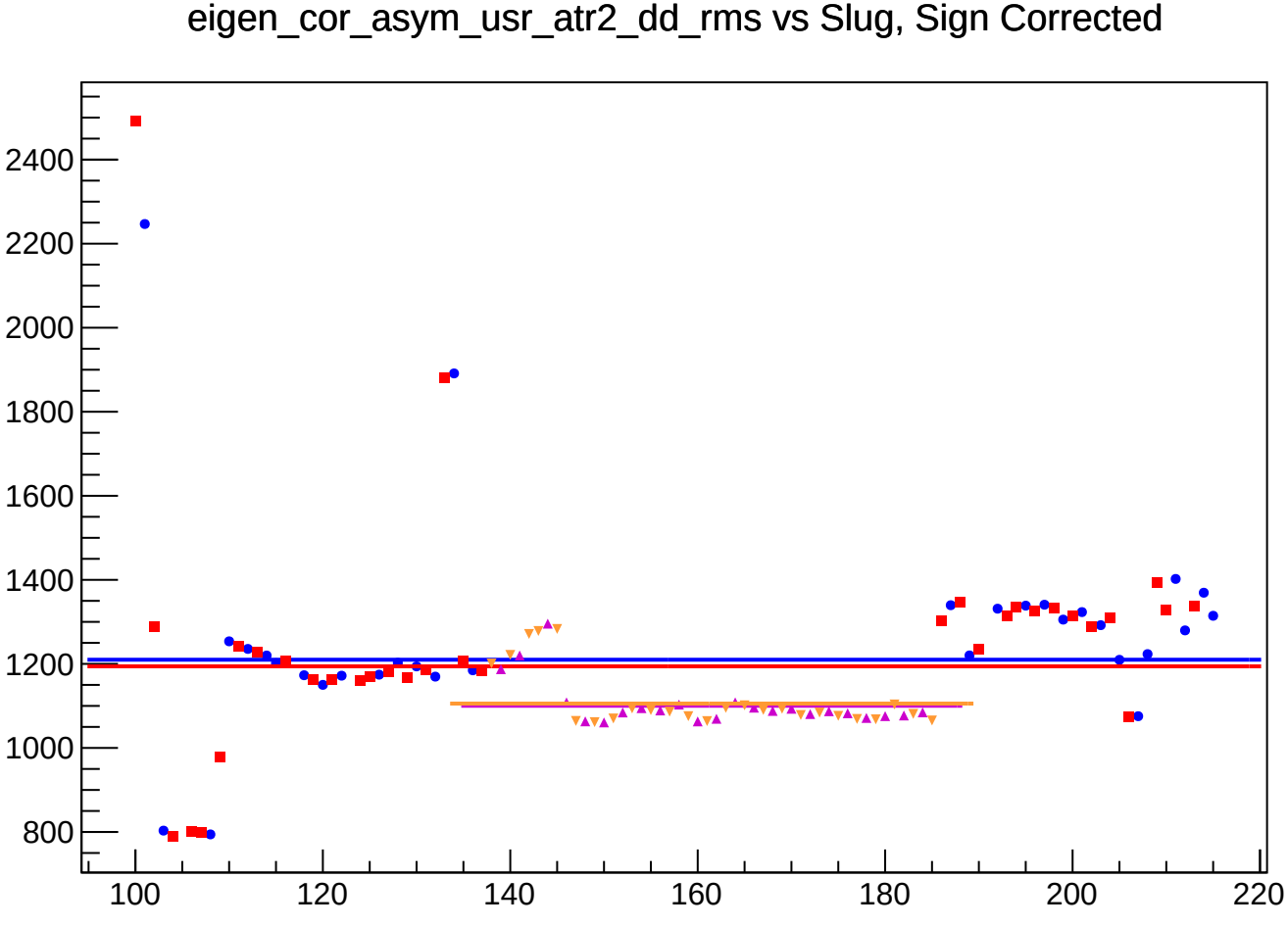
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -147.784+/-198.277 χ^2/NDF: 48.9/63

In: -483.650+/-189.265 χ^2/NDF:30.1/53

Out: 378.992+/-187.509 χ^2/NDF:70.3/57

All: -48.308+/-133.206 χ^2/NDF: 110.9/111



Right In: 1209.919+/-0.198 χ^2/NDF: 1092118.8/30

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1194.190+/-0.199 χ^2/NDF: 974627.5/32

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

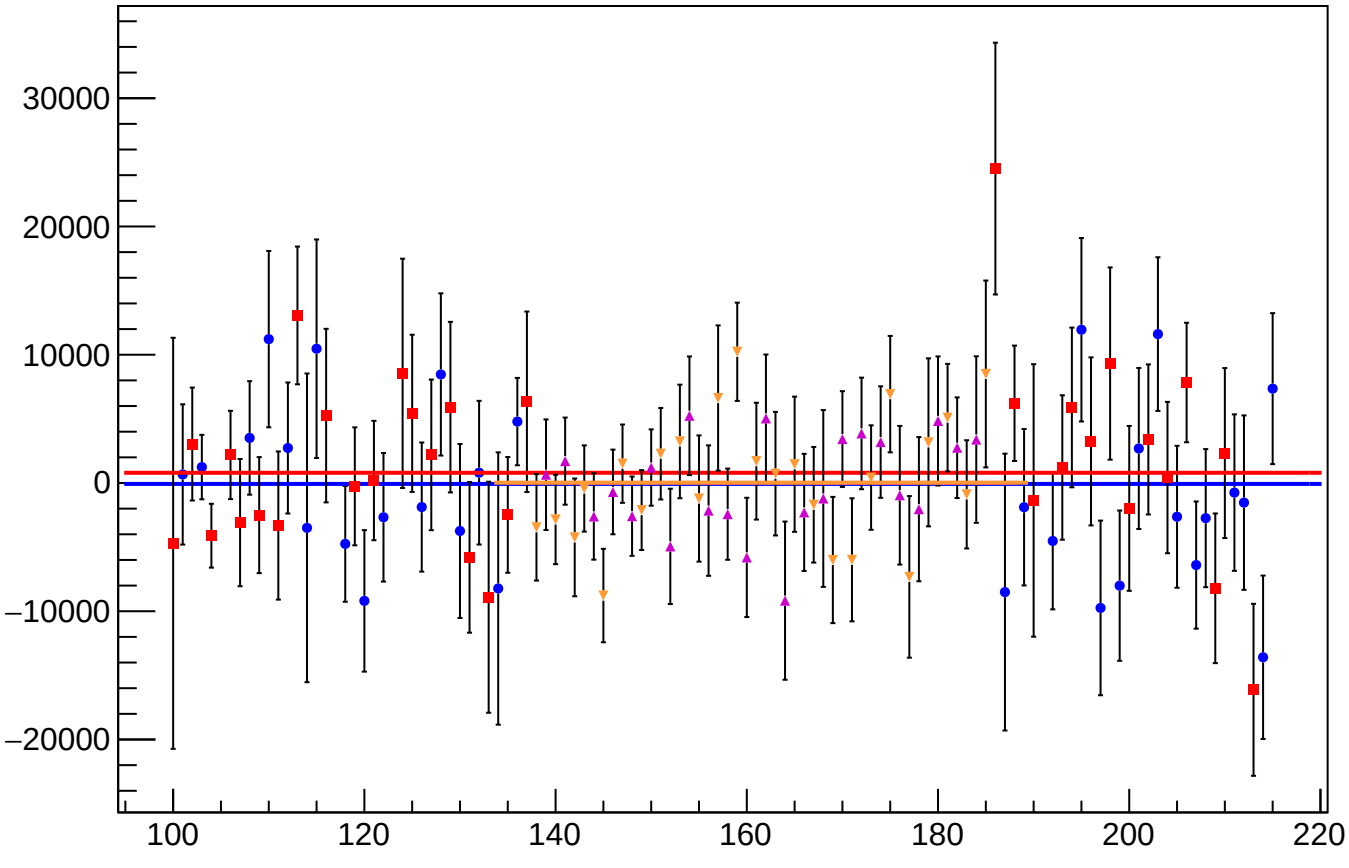
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1202.098+/-0.140 χ^2/NDF: 2069895.6/63

In: 1150.588+/-0.134 χ^2/NDF:1338778.8/53

Out: 1144.972+/-0.133 χ^2/NDF:1207039.5/57

All: 1147.753+/-0.094 χ^2/NDF: 2546707.2/11



Right In: -72.580+/-970.395 χ^2/NDF: 34.8/30

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 797.062+/-935.756 χ^2/NDF: 38.3/32

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

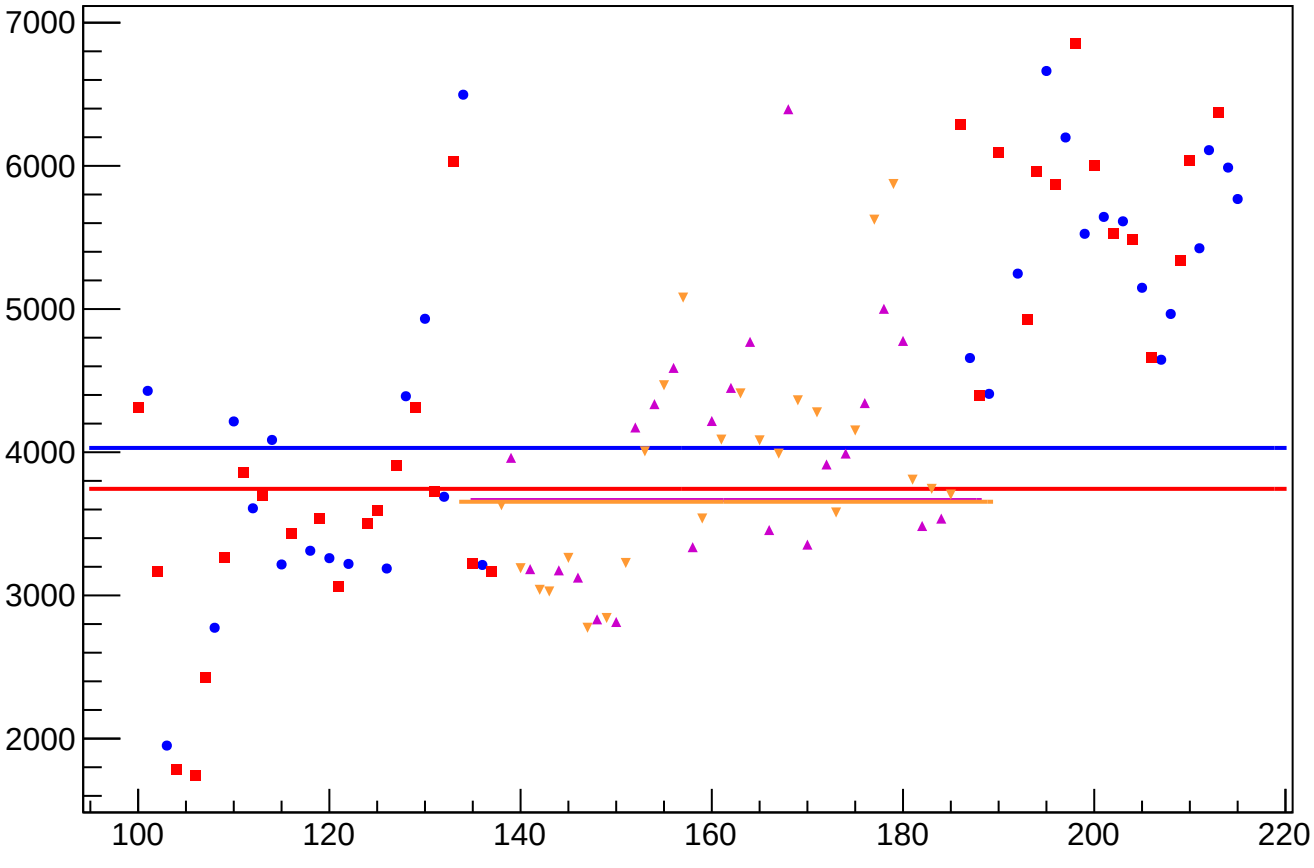
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 378.039+/-673.592 χ^2/NDF: 73.5/63

In: -29.047+/-649.939 χ^2/NDF:48.9/53

Out: 373.326+/-629.343 χ^2/NDF:67.1/57

All: 178.616+/-452.118 χ^2/NDF: 116.2/111


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
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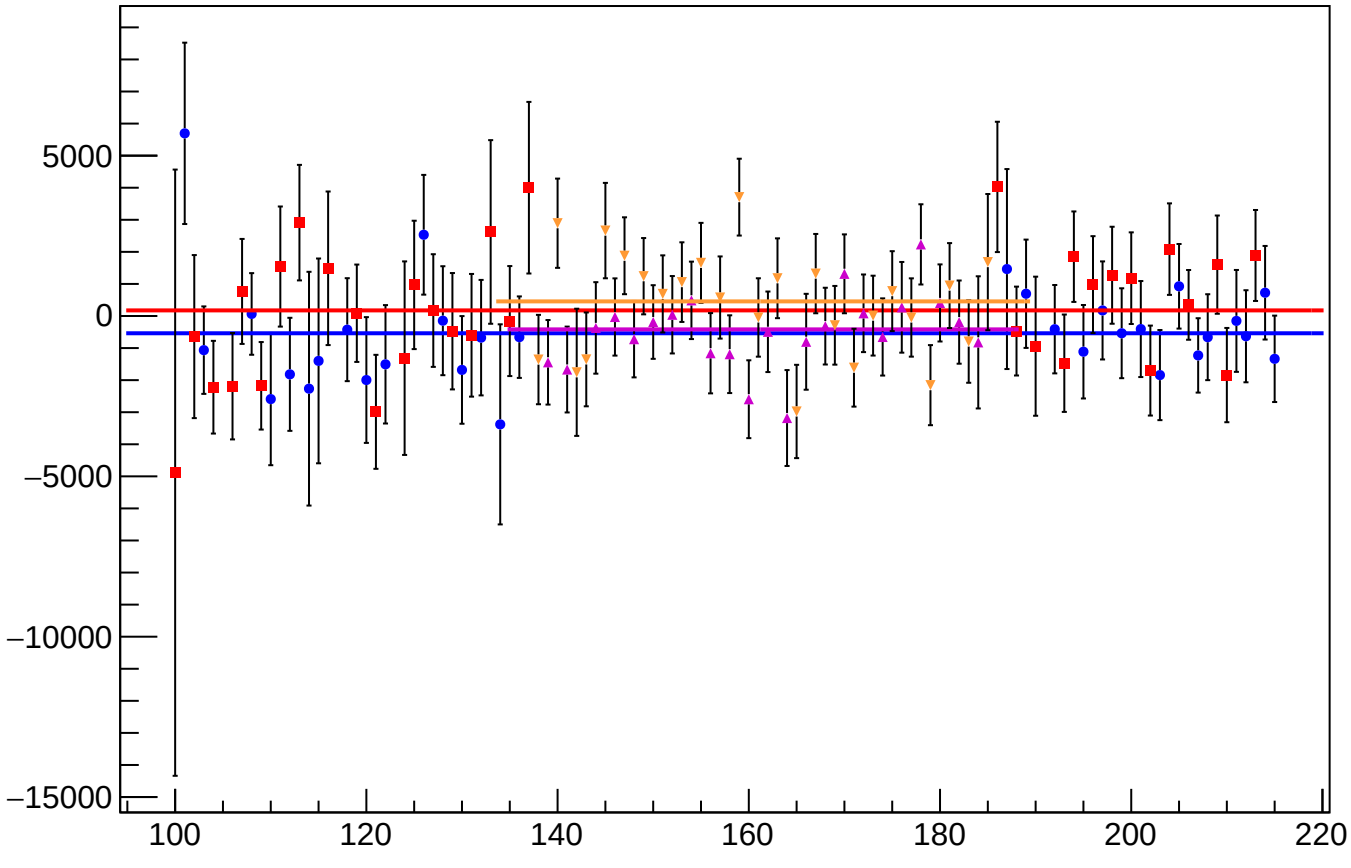
3000
2000
100
120
140
160
180
200
220
Right In: 4030.079+/-0.686 χ²/NDF: 3866879.2/30
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3744.307+/-0.662 χ²/NDF: 4909726.3/32
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3882.002+/-0.476 χ²/NDF: 8866480.9/63
In: 3829.385+/-0.460 χ²/NDF:5365731.9/53
Out: 3694.955+/-0.445 χ²/NDF:6231653.4/57
All: 3760.006+/-0.320 χ²/NDF: 11641543.0/



Right In: -538.239+/-287.602 χ^2/NDF: 16.9/30

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 174.859+/-291.020 χ^2/NDF: 33.9/32

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

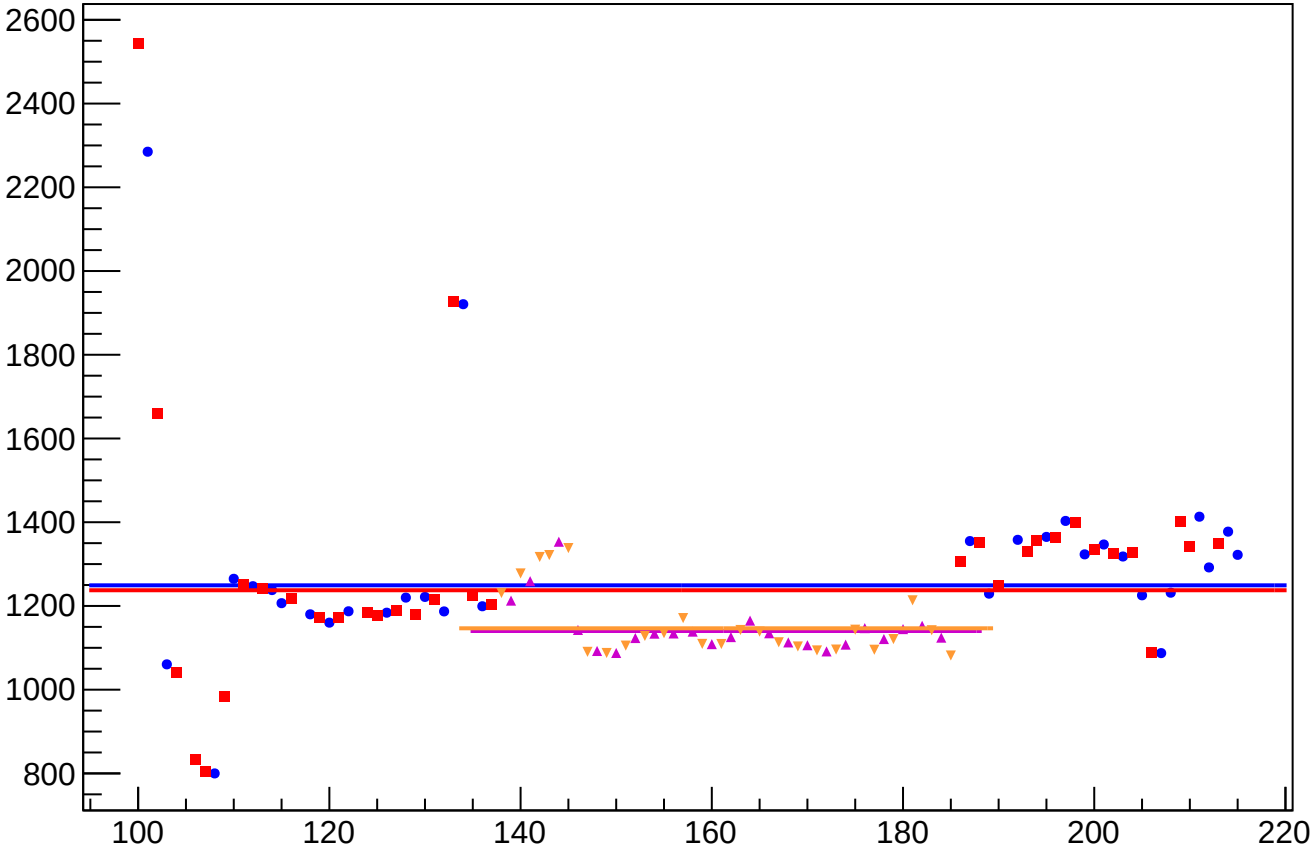
Right: -185.902+/-204.563 χ^2/NDF: 53.8/63

In: -473.137+/-195.512 χ^2/NDF:34.3/53

Out: 330.510+/-194.307 χ^2/NDF:70.5/57

All: -68.829+/-137.820 χ^2/NDF: 113.4/111

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1249.264+/-0.203 χ^2/NDF: 819333.7/30

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1237.495+/-0.206 χ^2/NDF: 772206.4/32

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

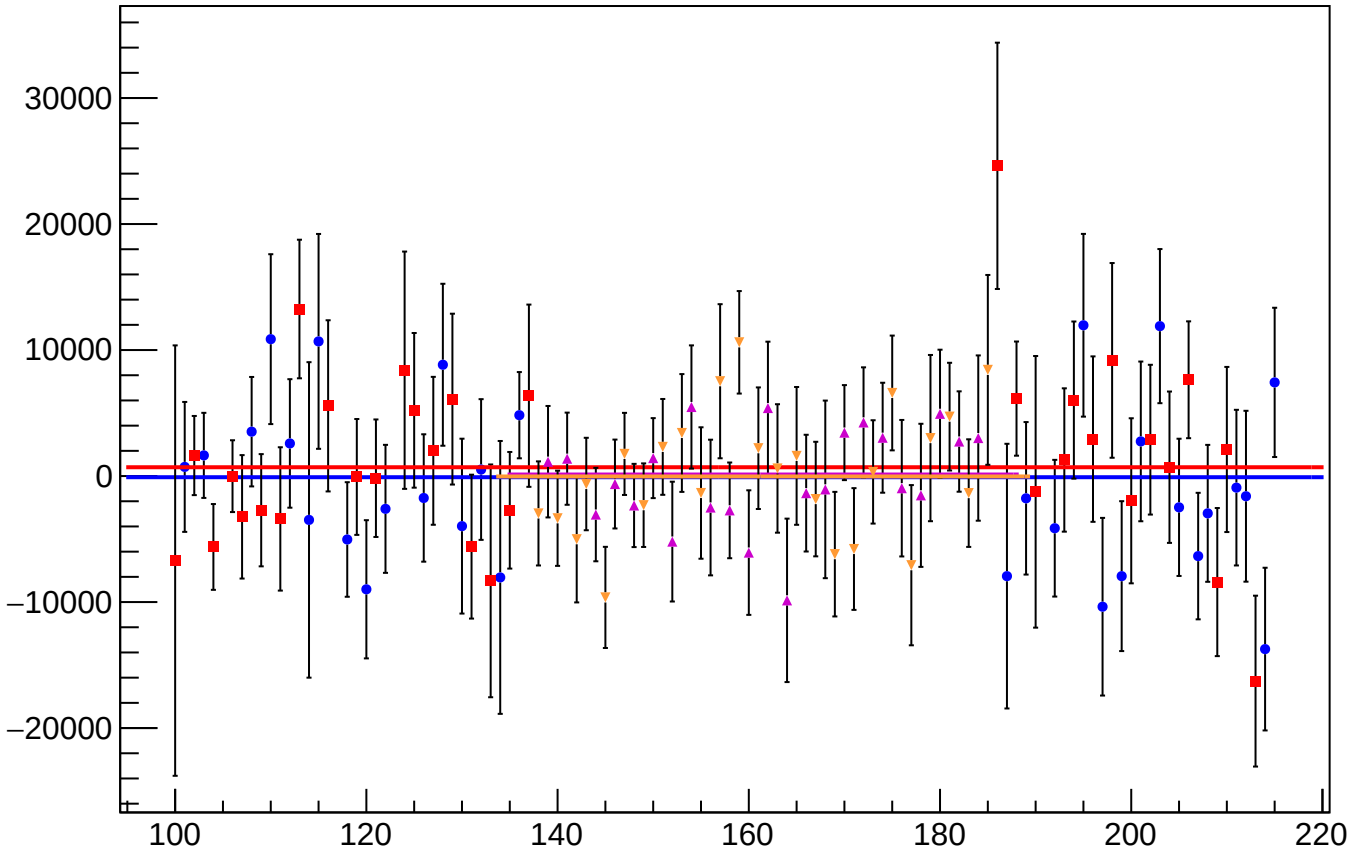
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1243.448+/-0.145 χ^2/NDF: 1593195.3/63

In: 1190.584+/-0.138 χ^2/NDF:1058861.5/53

Out: 1187.136+/-0.137 χ^2/NDF:1021341.8/57

All: 1188.849+/-0.097 χ^2/NDF: 2080516.2/11



Right In: -91.893+/-1006.737 χ^2/NDF: 34.6/30

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 699.199+/-933.977 χ^2/NDF: 37.4/32

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

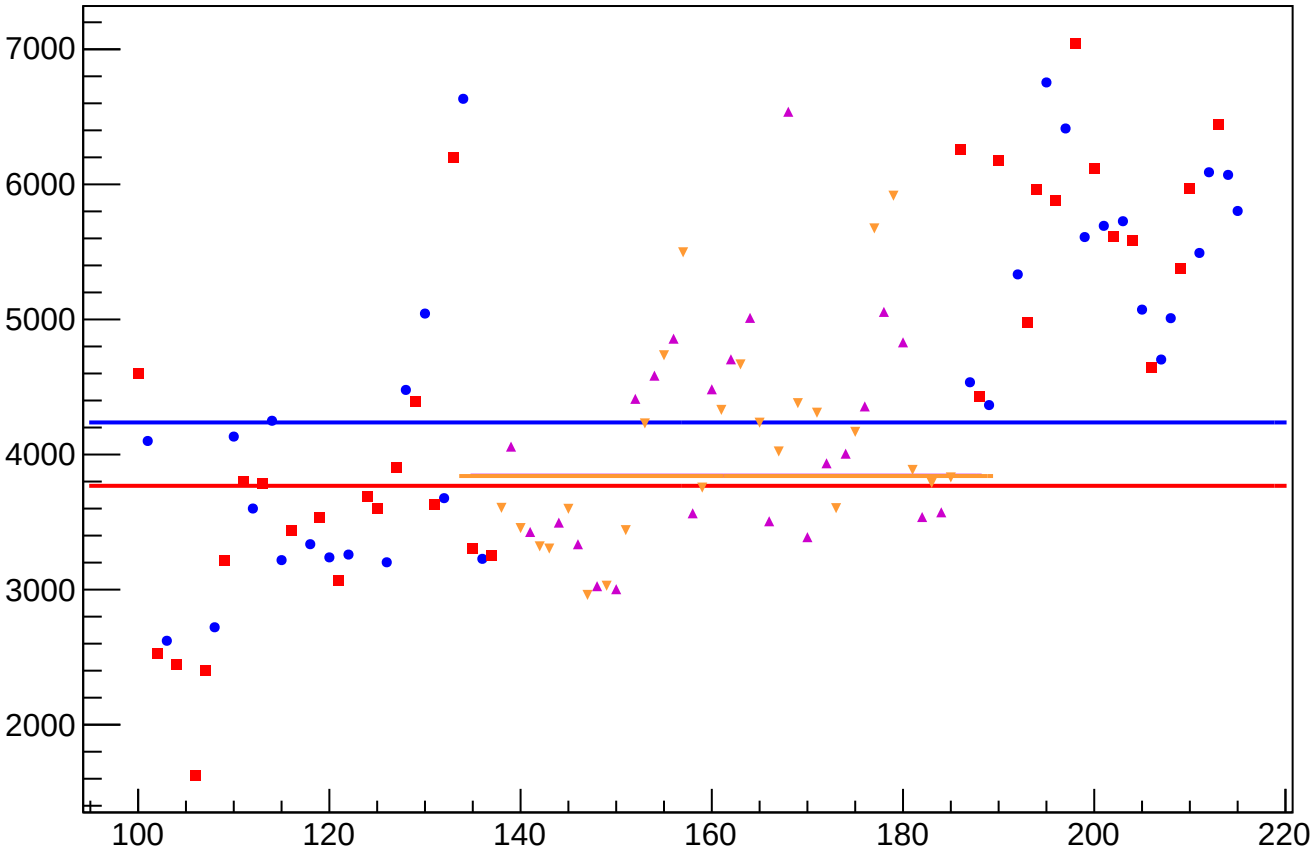
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 333.270+/-684.701 χ^2/NDF: 72.3/63

In: 24.639+/-677.407 χ^2/NDF:48.4/53

Out: 315.731+/-644.831 χ^2/NDF:65.4/57

All: 177.352+/-467.056 χ^2/NDF: 114.0/111



Right In: 4237.566+/-0.712 χ^2/NDF: 2872629.1/30

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3768.433+/-0.660 χ^2/NDF: 4755321.2/32

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

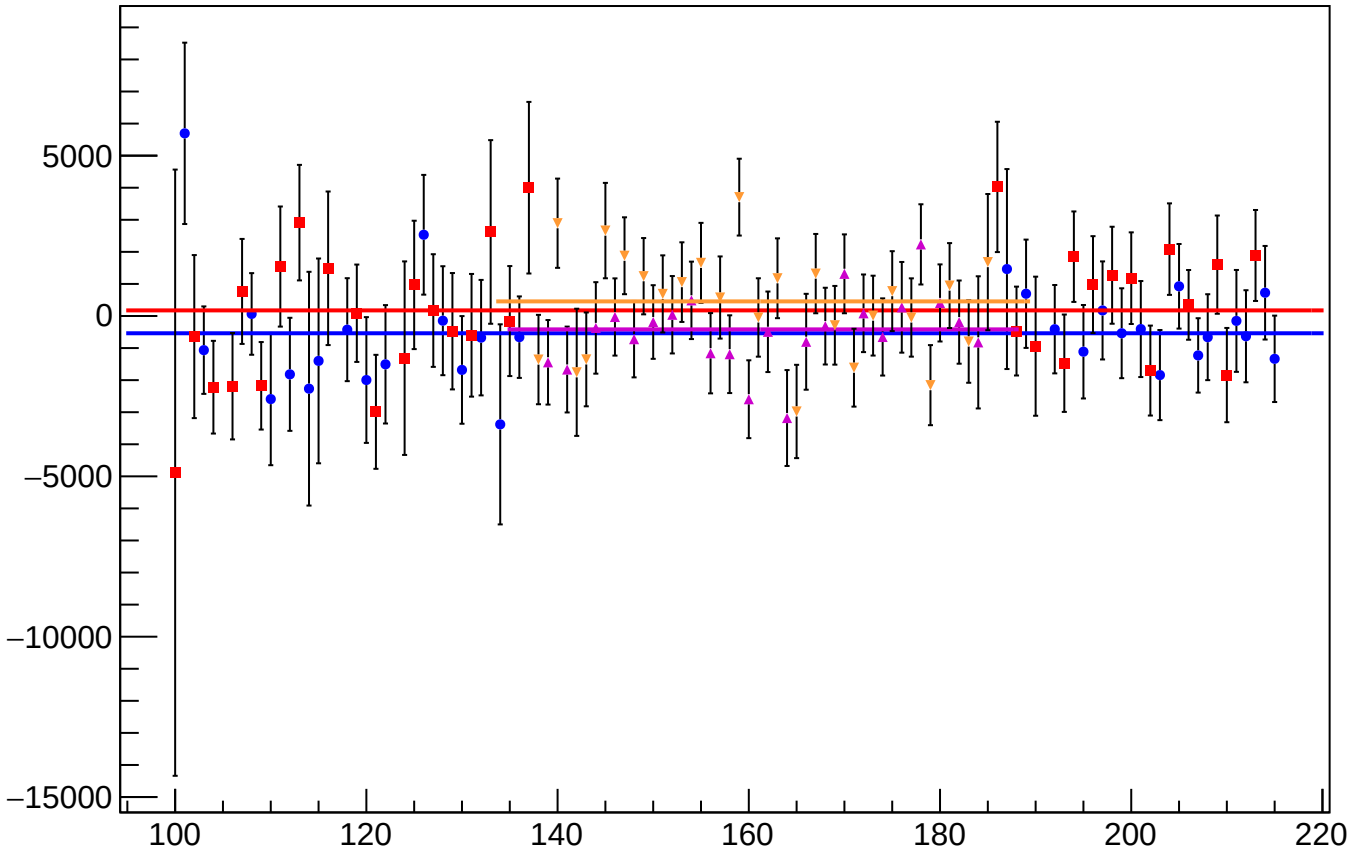
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3985.436+/-0.484 χ^2/NDF: 7861360.2/63

In: 4021.823+/-0.479 χ^2/NDF:4236526.5/53

Out: 3806.321+/-0.456 χ^2/NDF:5880276.7/57

All: 3908.766+/-0.330 χ^2/NDF: 10222992.6/



Right In: -538.236+/-287.602 χ^2/NDF: 16.9/30

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 174.857+/-291.020 χ^2/NDF: 33.9/32

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

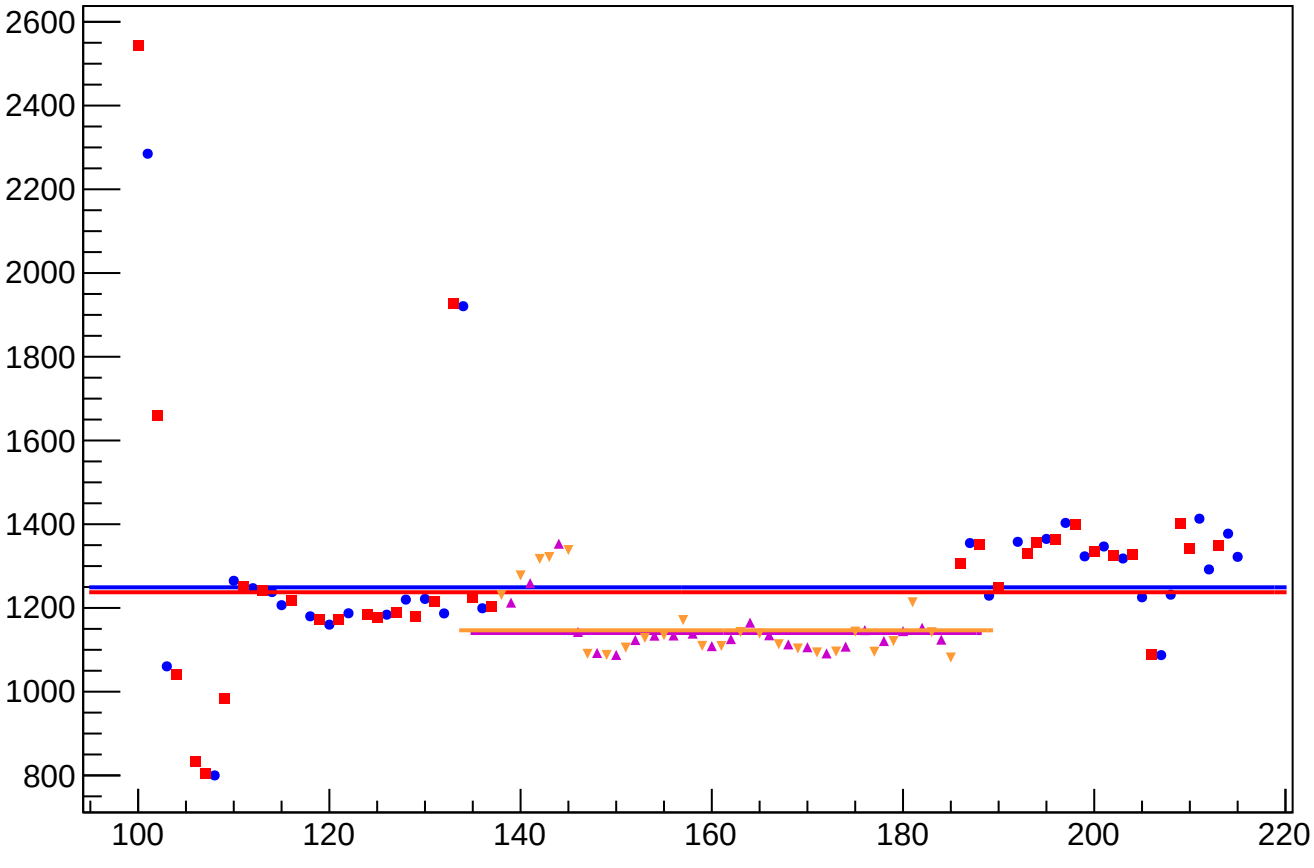
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -185.901+/-204.563 χ^2/NDF: 53.8/63

In: -473.134+/-195.512 χ^2/NDF:34.3/53

Out: 330.512+/-194.307 χ^2/NDF:70.5/57

All: -68.827+/-137.820 χ^2/NDF: 113.4/111



Right In: 1249.264+/-0.203 χ^2/NDF: 819334.6/30

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1237.495+/-0.206 χ^2/NDF: 772205.8/32

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

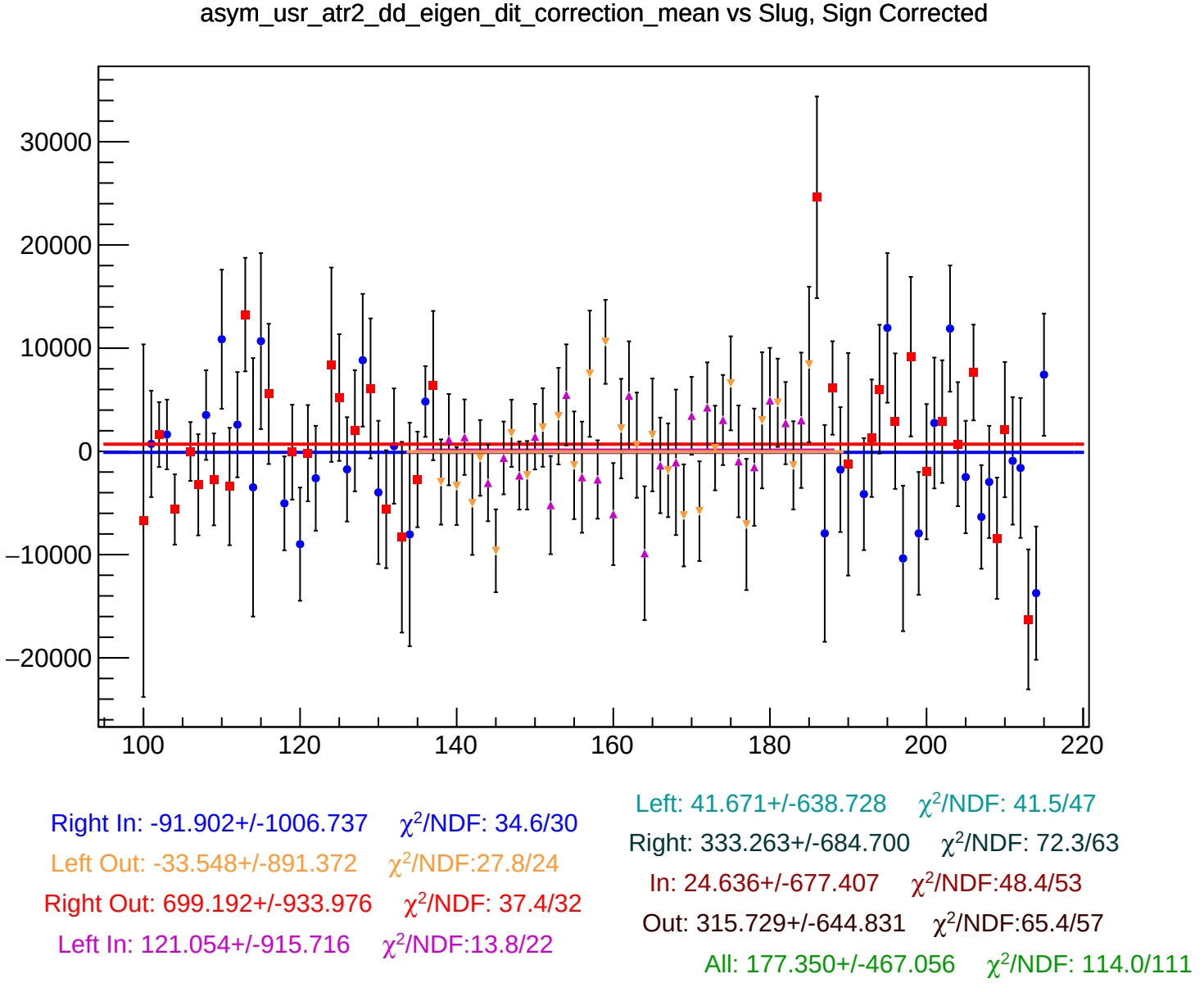
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

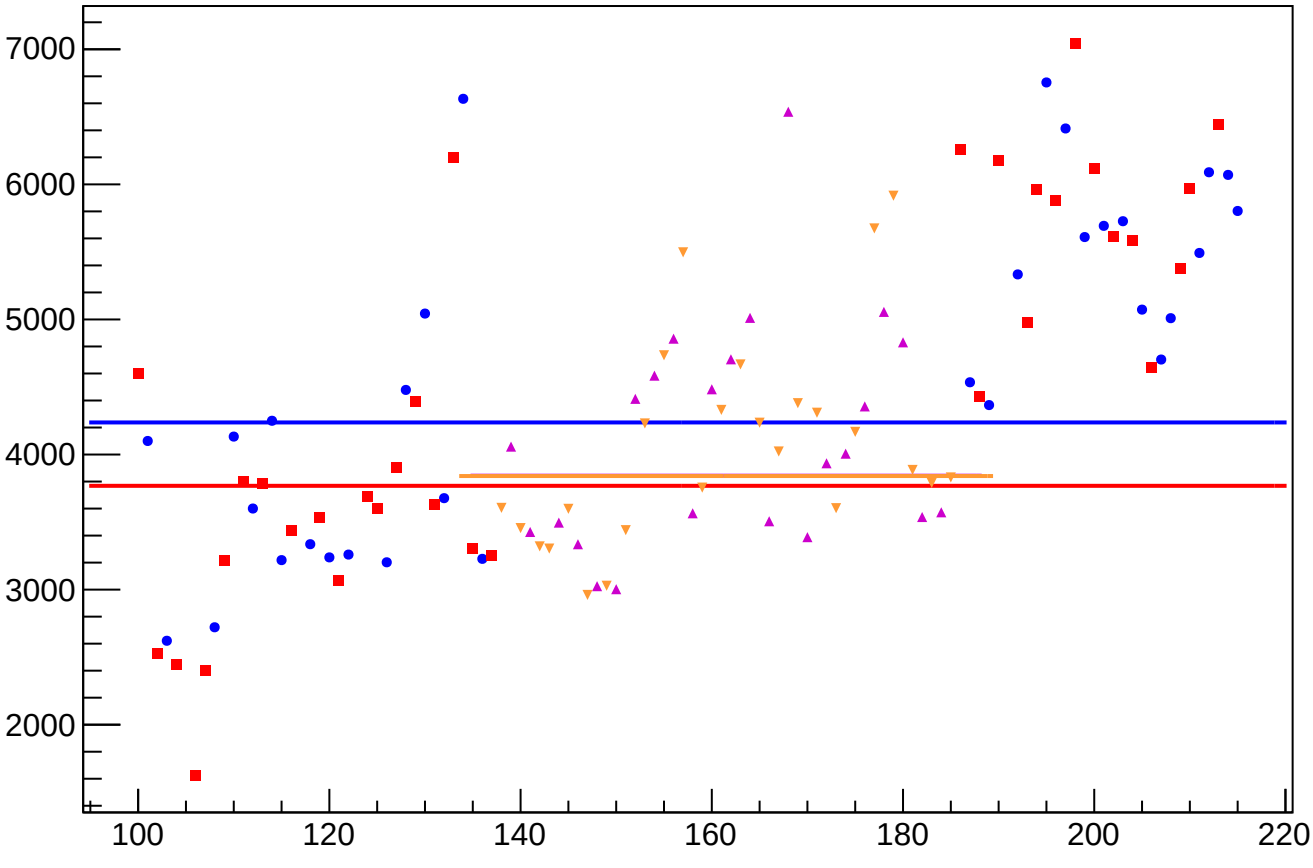
Right: 1243.448+/-0.145 χ^2/NDF: 1593195.5/63

In: 1190.584+/-0.138 χ^2/NDF:1058859.9/53

Out: 1187.137+/-0.137 χ^2/NDF:1021340.1/57

All: 1188.850+/-0.097 χ^2/NDF: 2080512.8/11


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -91.902+/-1006.737 χ²/NDF: 34.6/30
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 699.192+/-933.976 χ²/NDF: 37.4/32
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 333.263+/-684.700 χ²/NDF: 72.3/63
In: 24.636+/-677.407 χ²/NDF:48.4/53
Out: 315.729+/-644.831 χ²/NDF:65.4/57
All: 177.350+/-467.056 χ²/NDF: 114.0/111



Right In: 4237.565+/-0.712 χ^2/NDF: 2872644.6/30

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3768.429+/-0.660 χ^2/NDF: 4755348.0/32

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

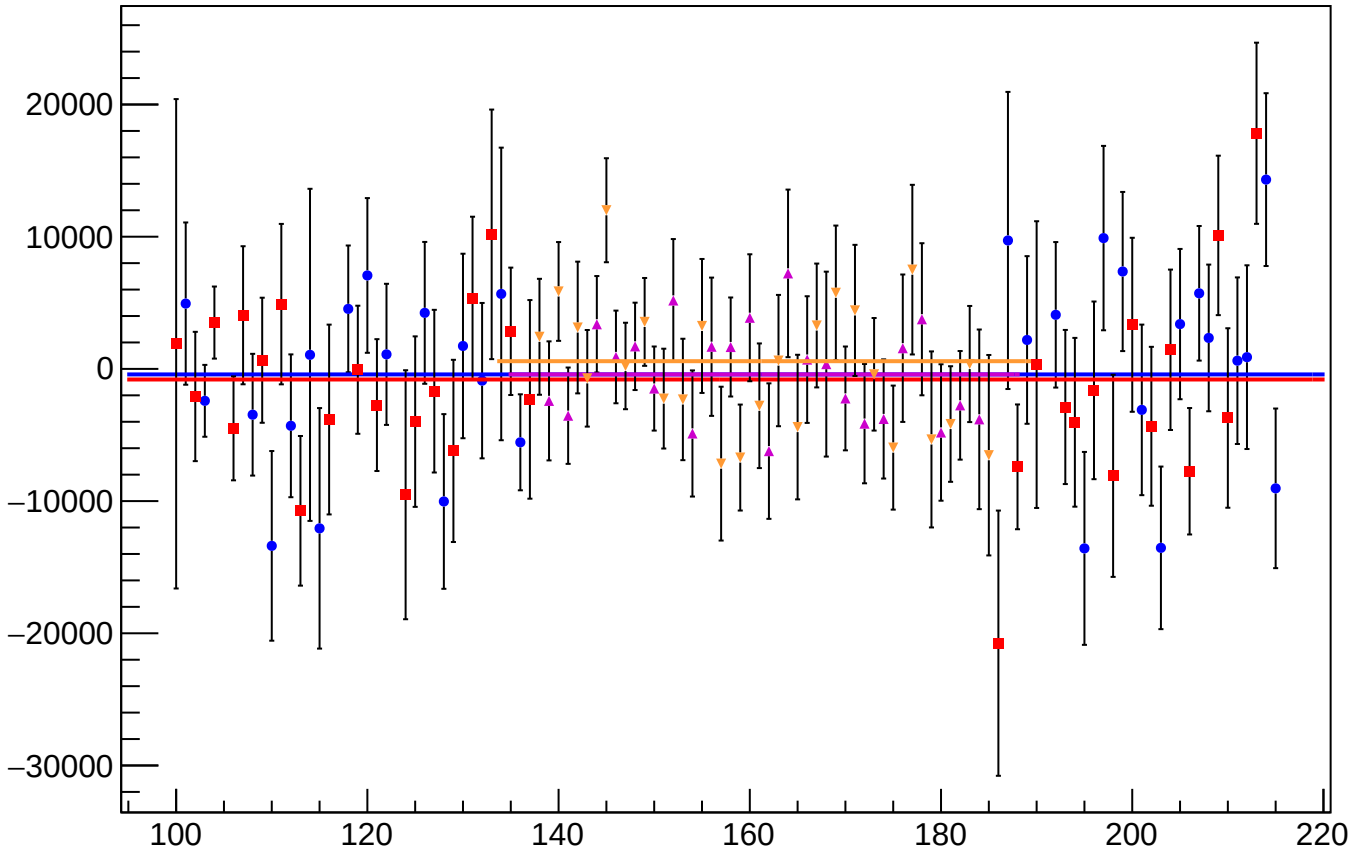
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3985.433+/-0.484 χ^2/NDF: 7861405.4/63

In: 4021.825+/-0.479 χ^2/NDF:4236540.1/53

Out: 3806.321+/-0.456 χ^2/NDF:5880306.7/57

All: 3908.767+/-0.330 χ^2/NDF: 10223037.8/1



Right In: -417.997+/-1019.512 χ^2/NDF: 38.1/30

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -801.529+/-992.176 χ^2/NDF: 34.5/32

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

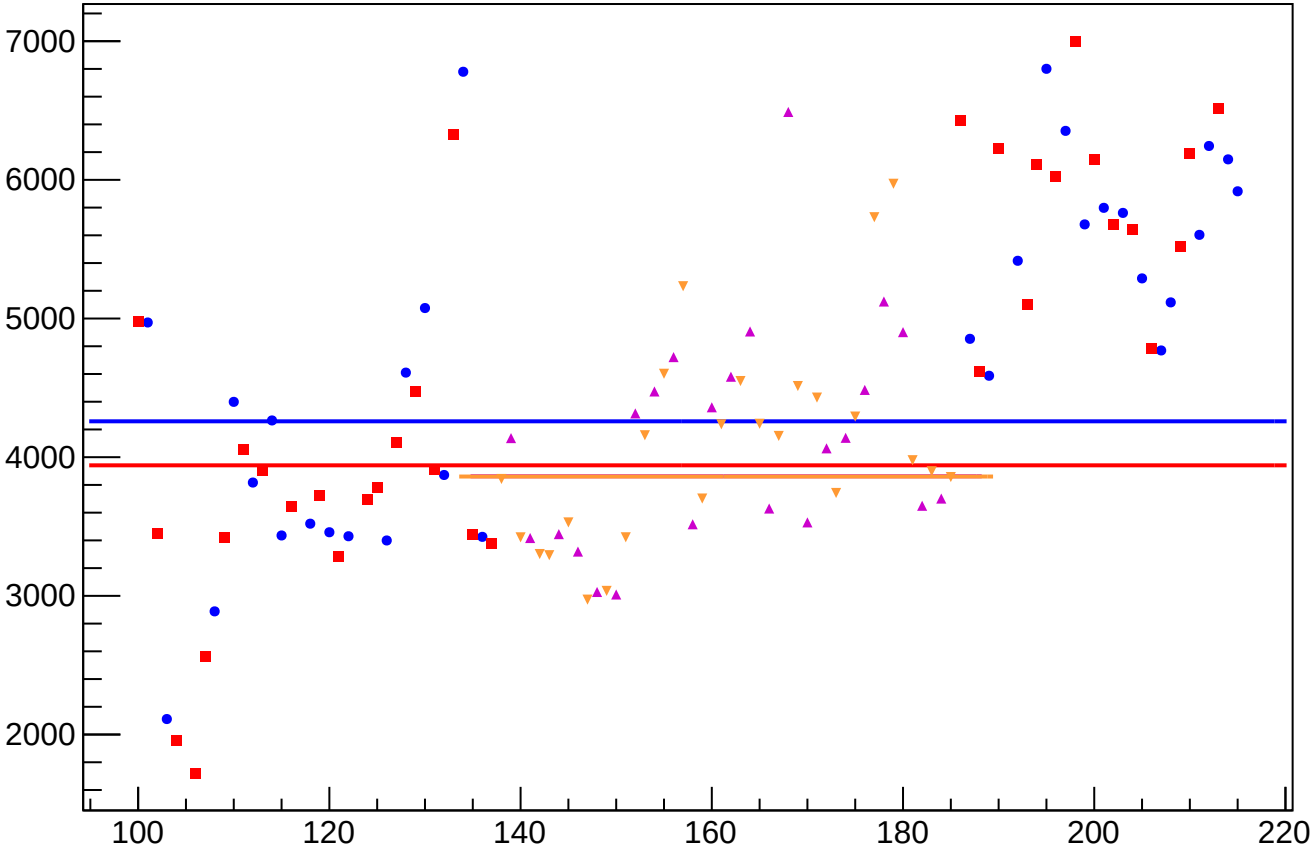
Right: -614.974+/-711.042 χ^2/NDF: 72.6/63

In: -417.338+/-682.610 χ^2/NDF:50.5/53

Out: -37.930+/-664.527 χ^2/NDF:63.0/57

All: -222.542+/-476.156 χ^2/NDF: 113.7/111

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 4258.767+/-0.721 χ^2/NDF: 3491006.6/30

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3941.314+/-0.694 χ^2/NDF: 4658893.8/32

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

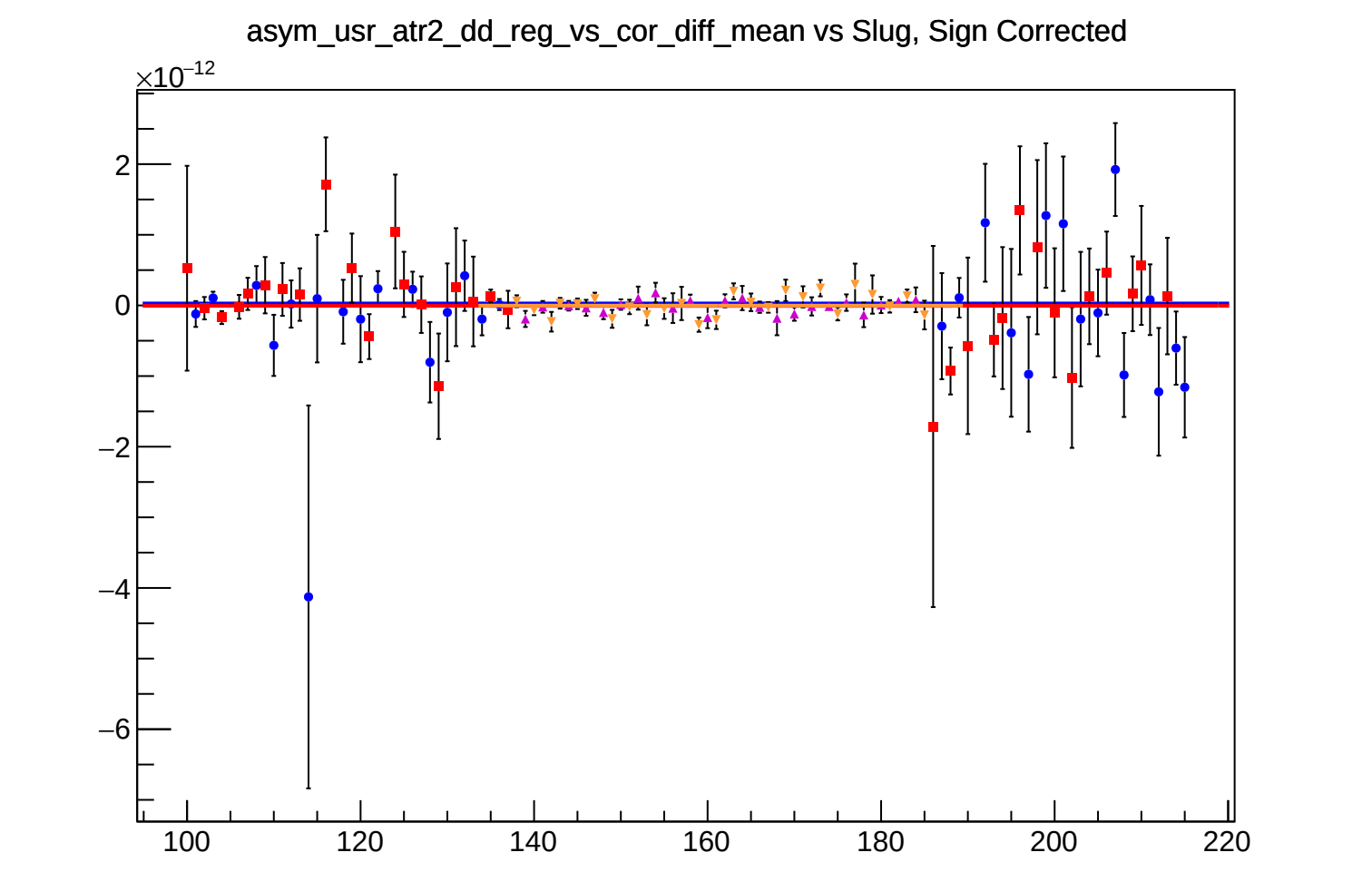
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 4093.959+/-0.500 χ^2/NDF: 8250571.5/63

In: 4040.055+/-0.483 χ^2/NDF:4800020.2/53

Out: 3897.219+/-0.468 χ^2/NDF:5763586.3/57

All: 3966.360+/-0.336 χ^2/NDF: 10608787.7/1



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/32

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

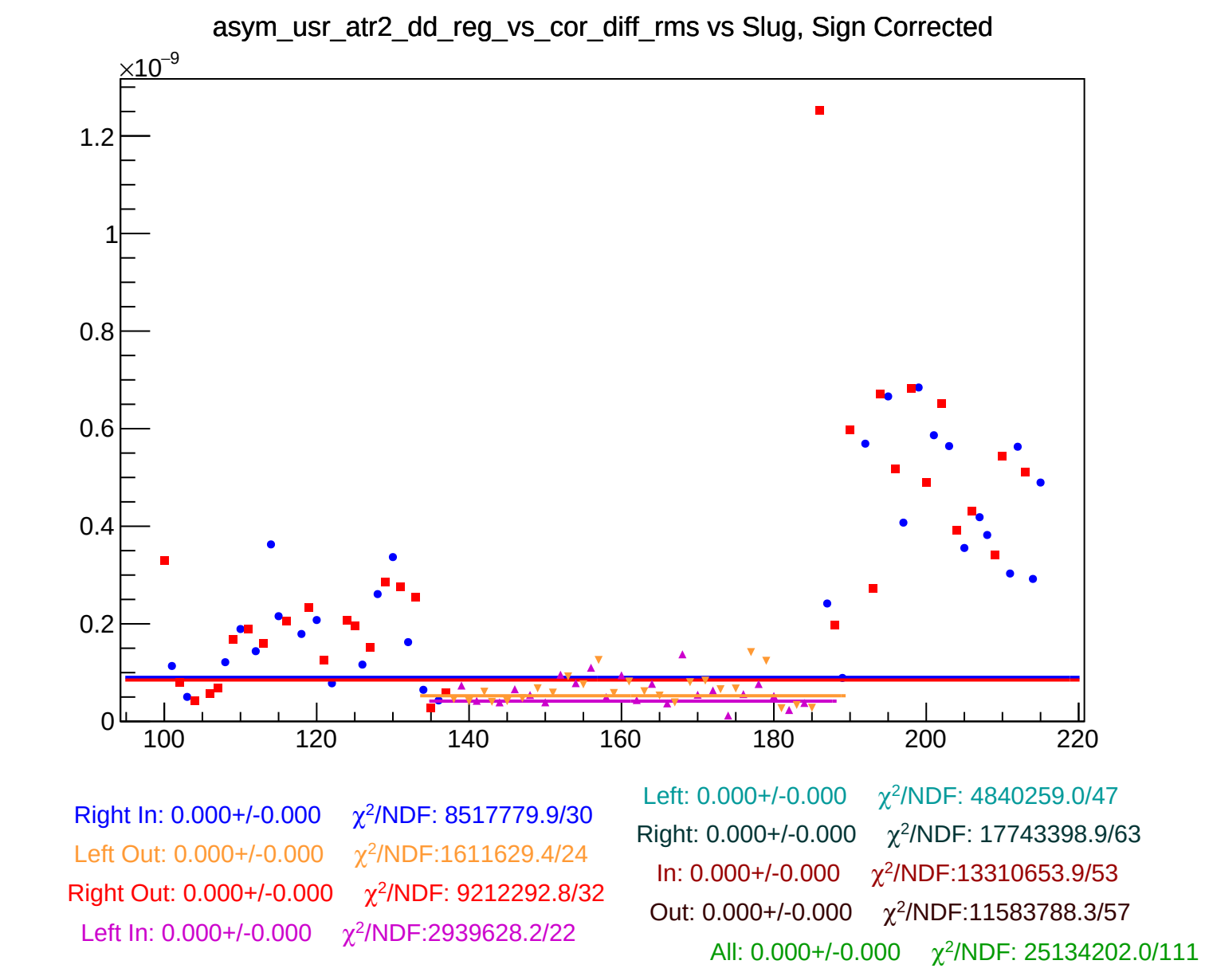
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

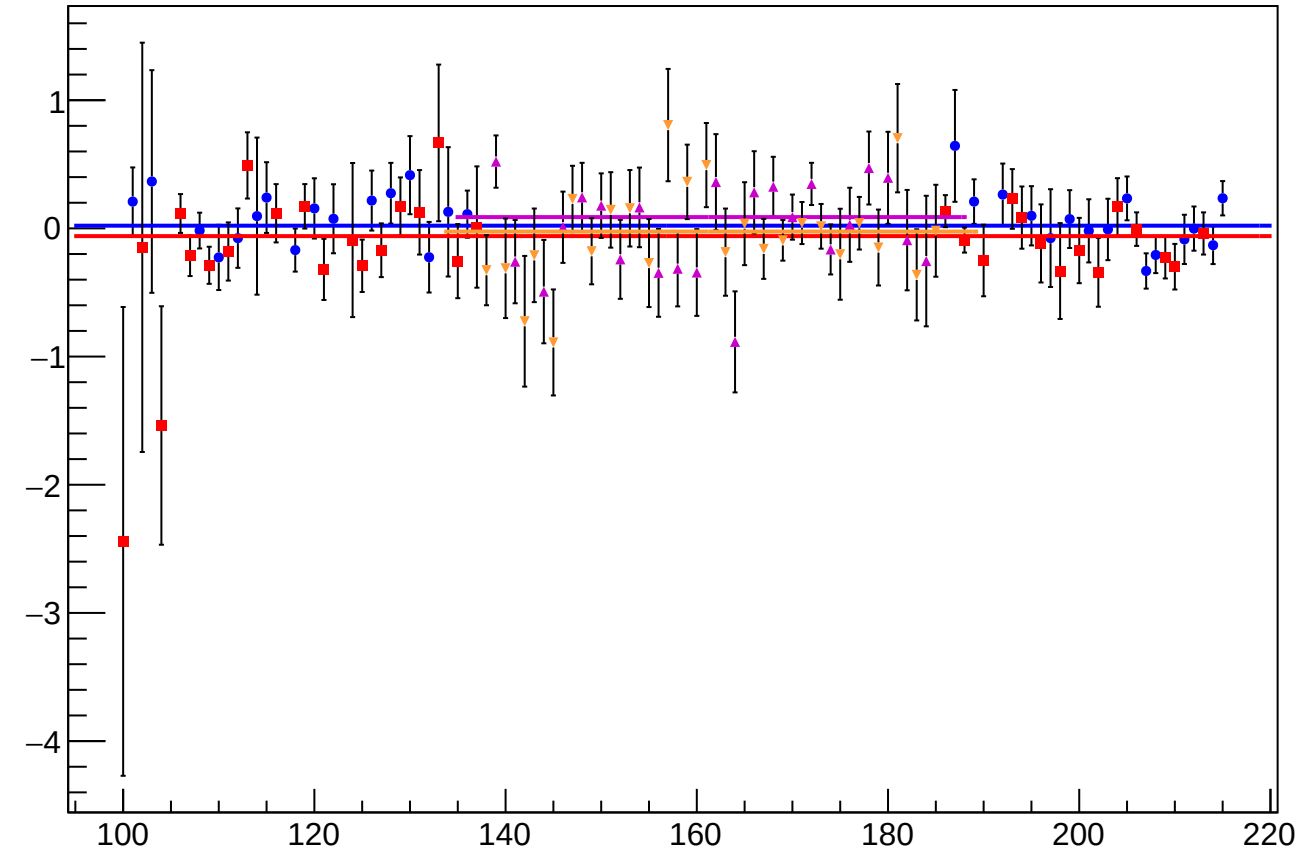
Right: 0.000+/-0.000 χ^2/NDF: 72.5/63

In: -0.000+/-0.000 χ^2/NDF:49.3/53

Out: -0.000+/-0.000 χ^2/NDF:70.5/57

All: -0.000+/-0.000 χ^2/NDF: 119.8/111


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8517779.9/30
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 9212292.8/32
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
Left: 0.000+/-0.000 χ²/NDF: 4840259.0/47
Right: 0.000+/-0.000 χ²/NDF: 17743398.9/63
In: 0.000+/-0.000 χ²/NDF:13310653.9/53
Out: 0.000+/-0.000 χ²/NDF:11583788.3/57
All: 0.000+/-0.000 χ²/NDF: 25134202.0/111



Right In: 0.021+/-0.037 χ^2/NDF: 27.9/30

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.060+/-0.036 χ^2/NDF: 33.1/32

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

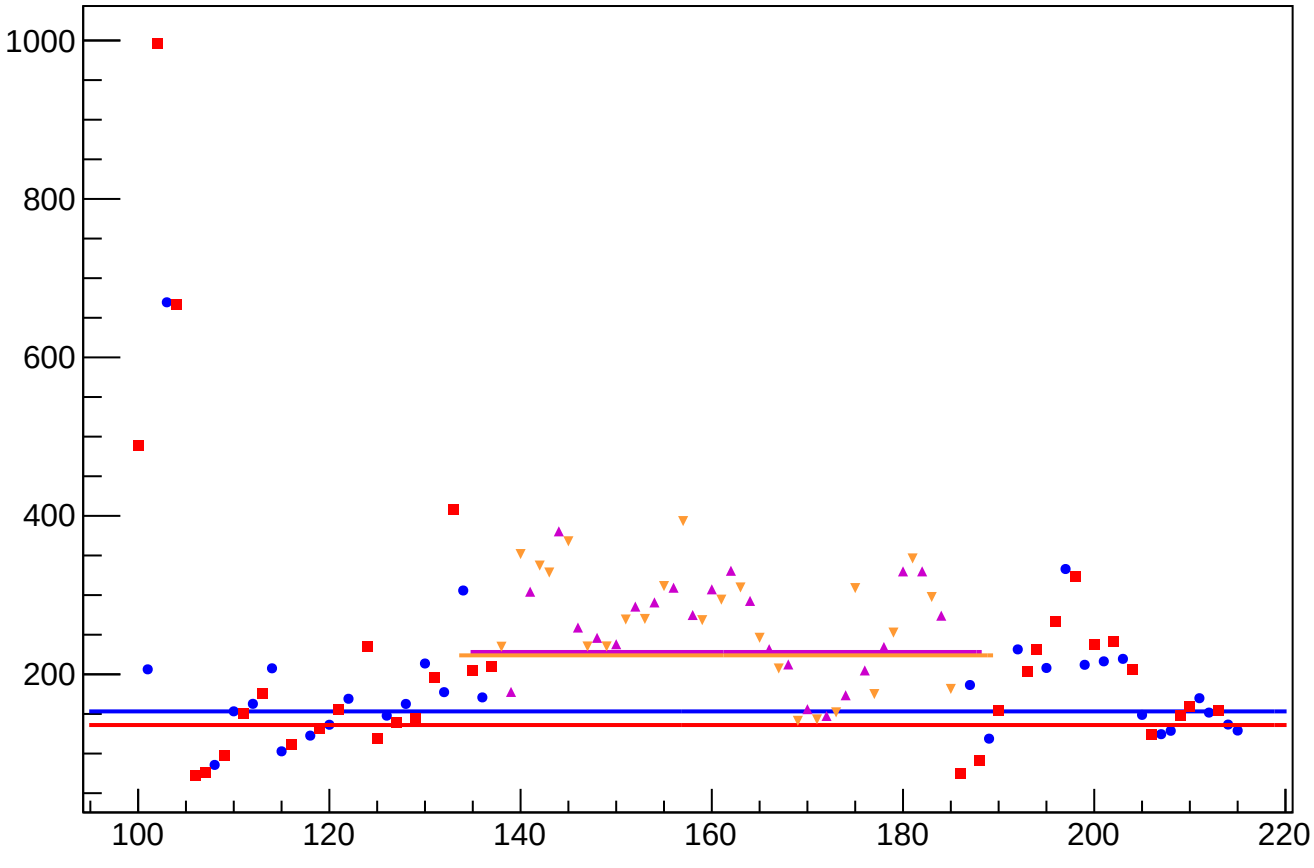
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.022+/-0.026 χ^2/NDF: 63.5/63

In: 0.041+/-0.031 χ^2/NDF:58.9/53

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.006+/-0.022 χ^2/NDF: 120.8/111



Right In: 153.213+/-0.027 χ^2/NDF: 3254764.4/30

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 136.002+/-0.025 χ^2/NDF: 6059367.4/32

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

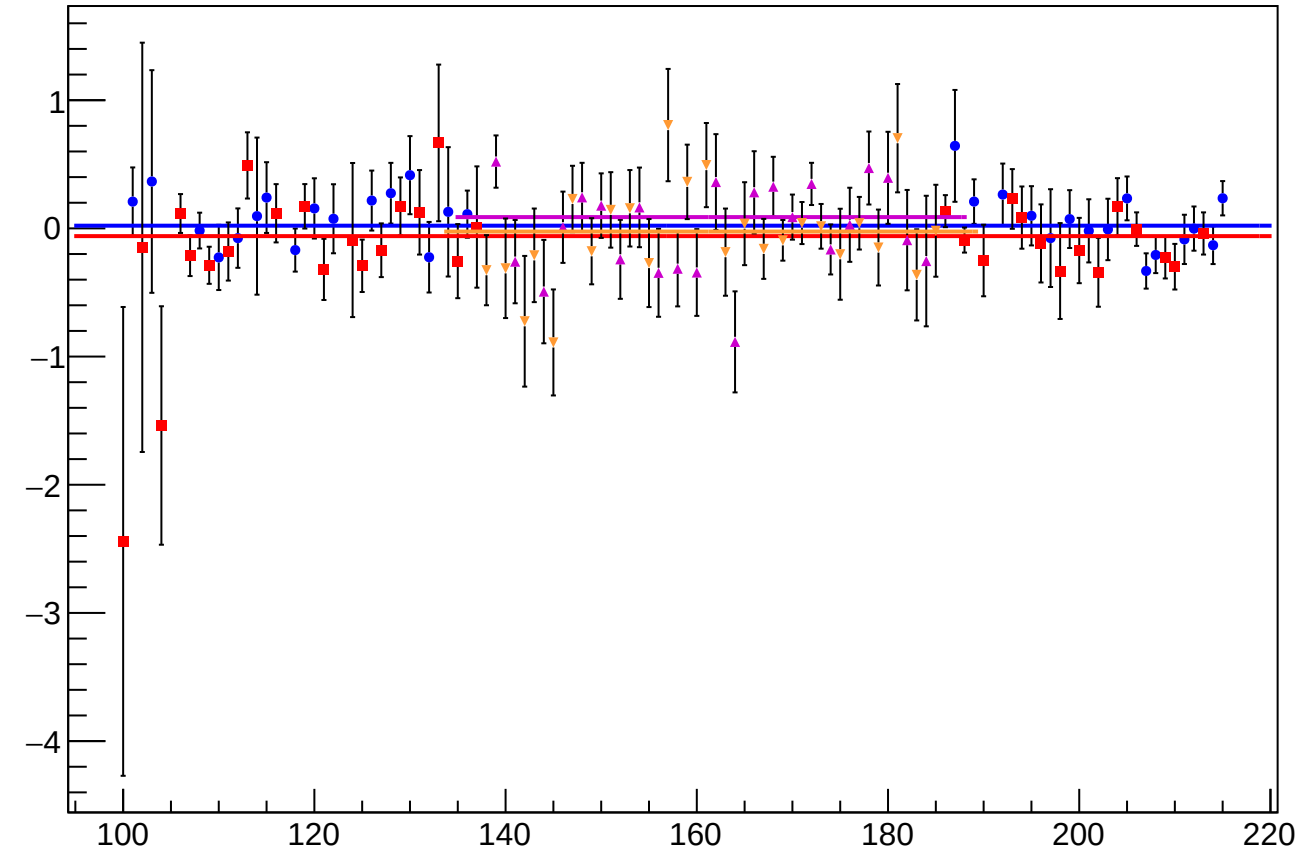
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 144.196+/-0.018 χ^2/NDF: 9535047.6/63

In: 176.043+/-0.022 χ^2/NDF:8180368.3/53

Out: 162.372+/-0.021 χ^2/NDF:13130611.7/57

All: 168.903+/-0.015 χ^2/NDF: 21510736.7/1



Right In: 0.021+/-0.037 χ^2/NDF: 27.9/30

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.060+/-0.036 χ^2/NDF: 33.1/32

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

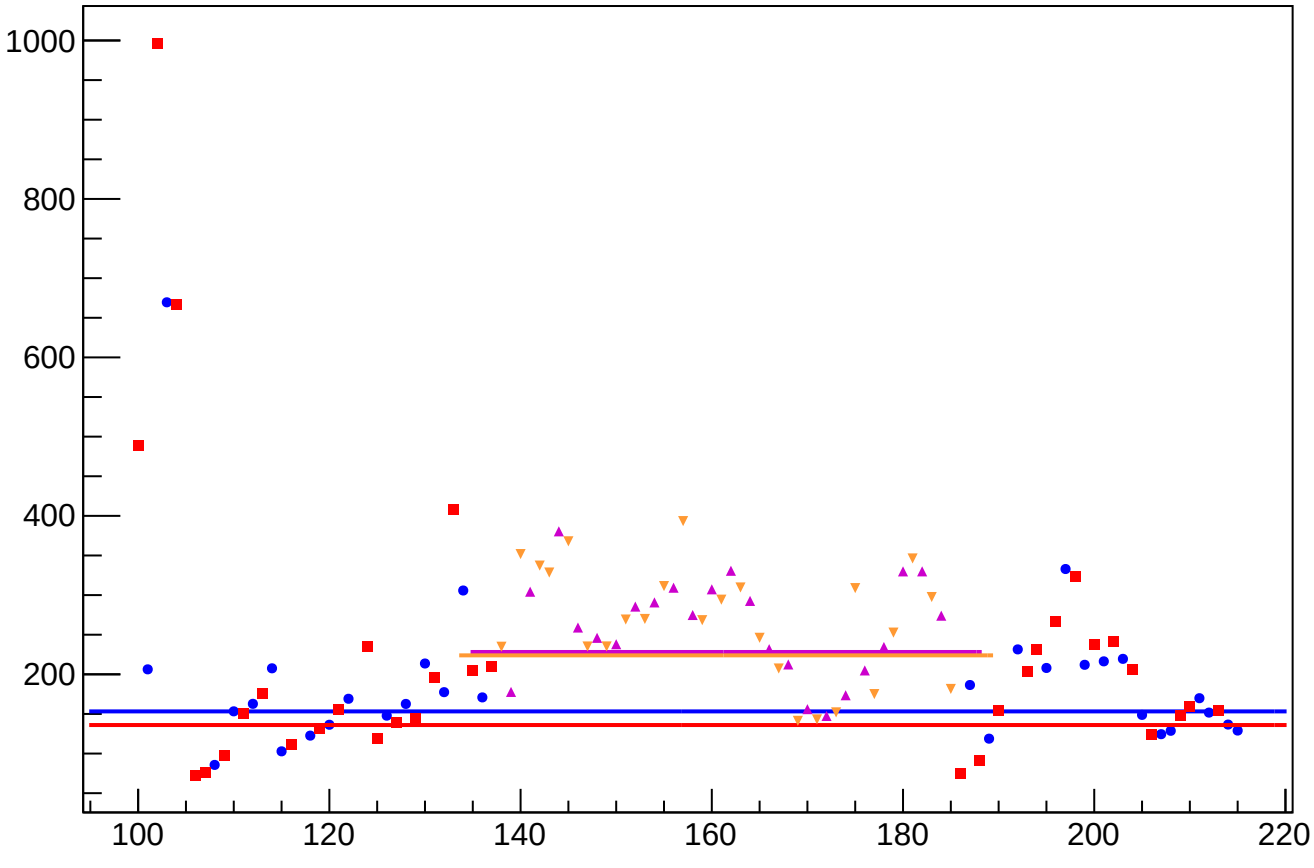
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.022+/-0.026 χ^2/NDF: 63.5/63

In: 0.041+/-0.031 χ^2/NDF:58.9/53

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.006+/-0.022 χ^2/NDF: 120.8/111


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
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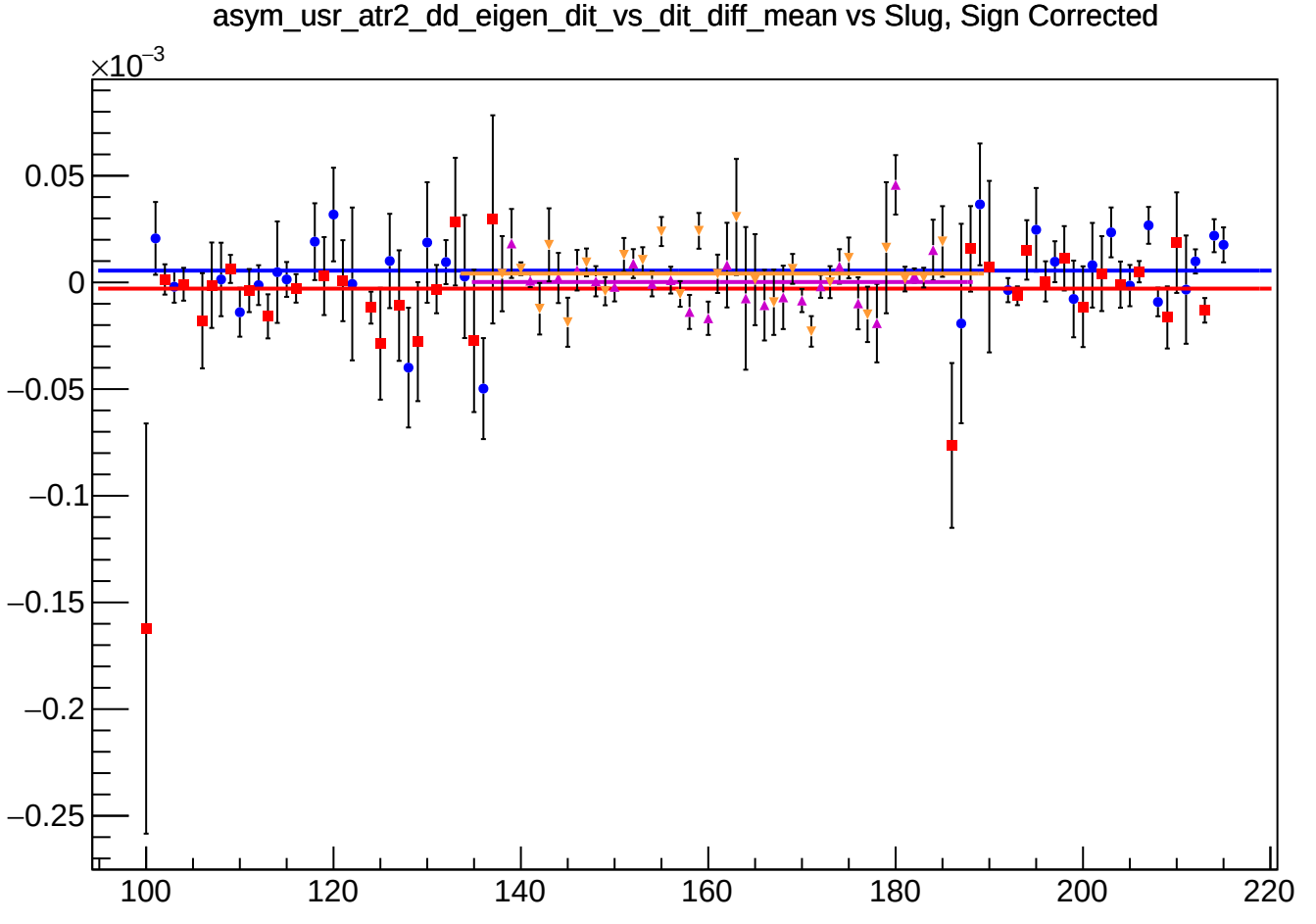
120
140
160
180
200
220
Right In: 153.213+/-0.027 χ²/NDF: 3254764.4/30
Left Out: 223.945+/-0.039 χ²/NDF:3438444.8/24
Right Out: 136.002+/-0.025 χ²/NDF: 6059367.4/32
Left In: 228.199+/-0.040 χ²/NDF:2488915.3/22
Left: 225.993+/-0.028 χ²/NDF: 5933206.6/47
Right: 144.196+/-0.018 χ²/NDF: 9535047.6/63
In: 176.043+/-0.022 χ²/NDF:8180368.3/53
Out: 162.372+/-0.021 χ²/NDF:13130611.7/57
All: 168.903+/-0.015 χ²/NDF: 21510736.7/1



Right In: 0.000+/-0.000 χ^2/NDF: 43.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/32

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

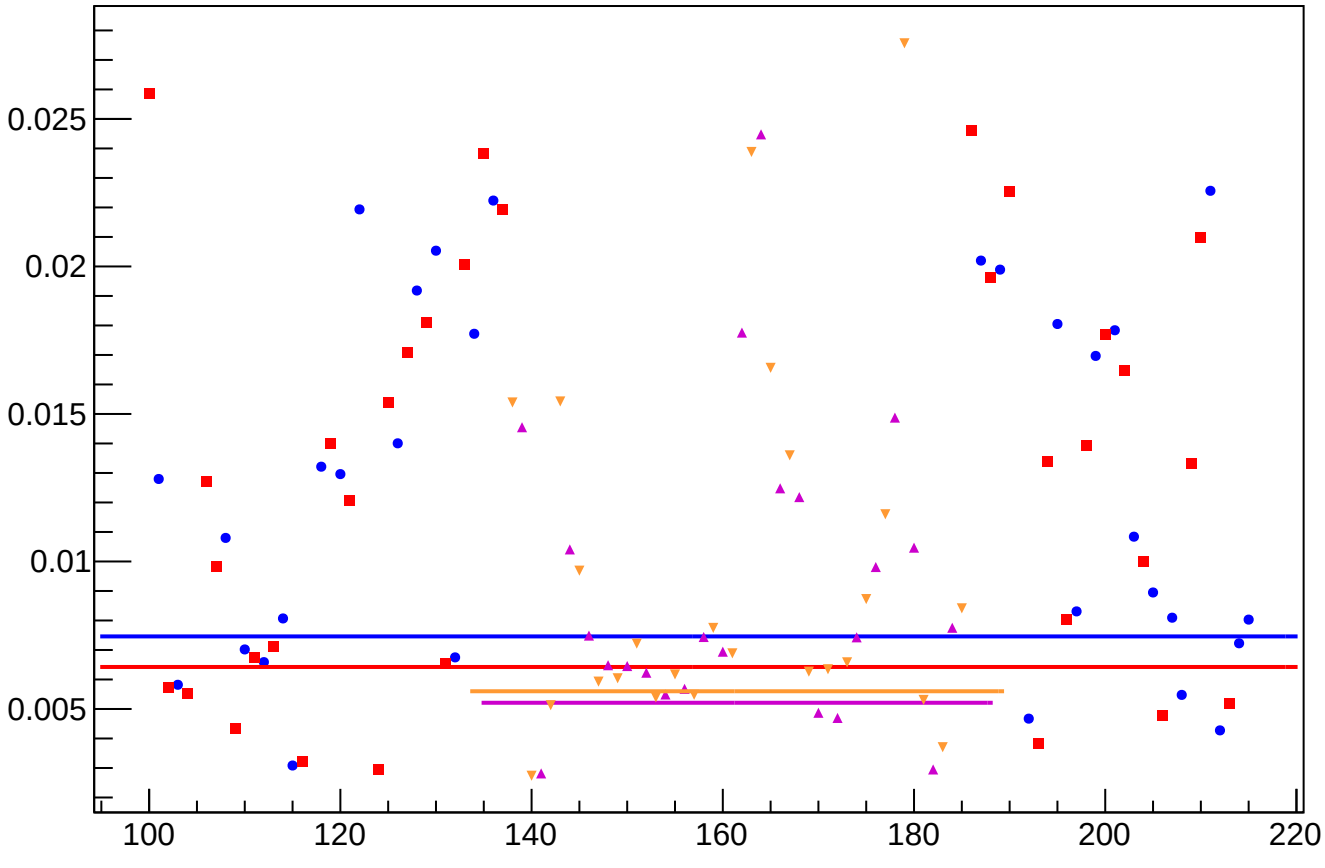
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: 0.000+/-0.000 χ^2/NDF: 81.2/63

In: 0.000+/-0.000 χ^2/NDF:77.8/53

Out: 0.000+/-0.000 χ^2/NDF:86.4/57

All: 0.000+/-0.000 χ^2/NDF: 164.4/111



Right In: 0.007+/-0.000 χ^2/NDF: 8089514.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 10537602.8/32

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

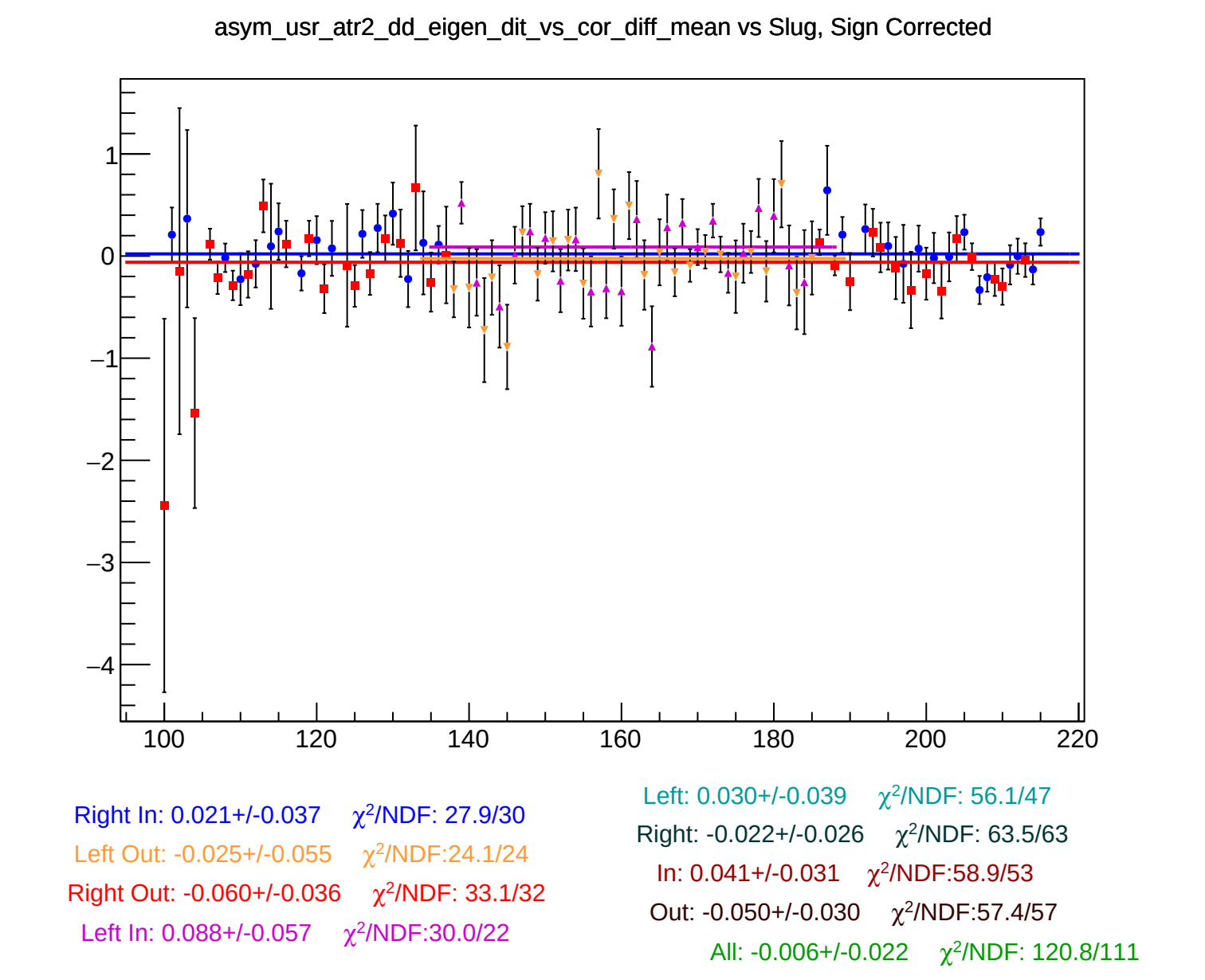
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

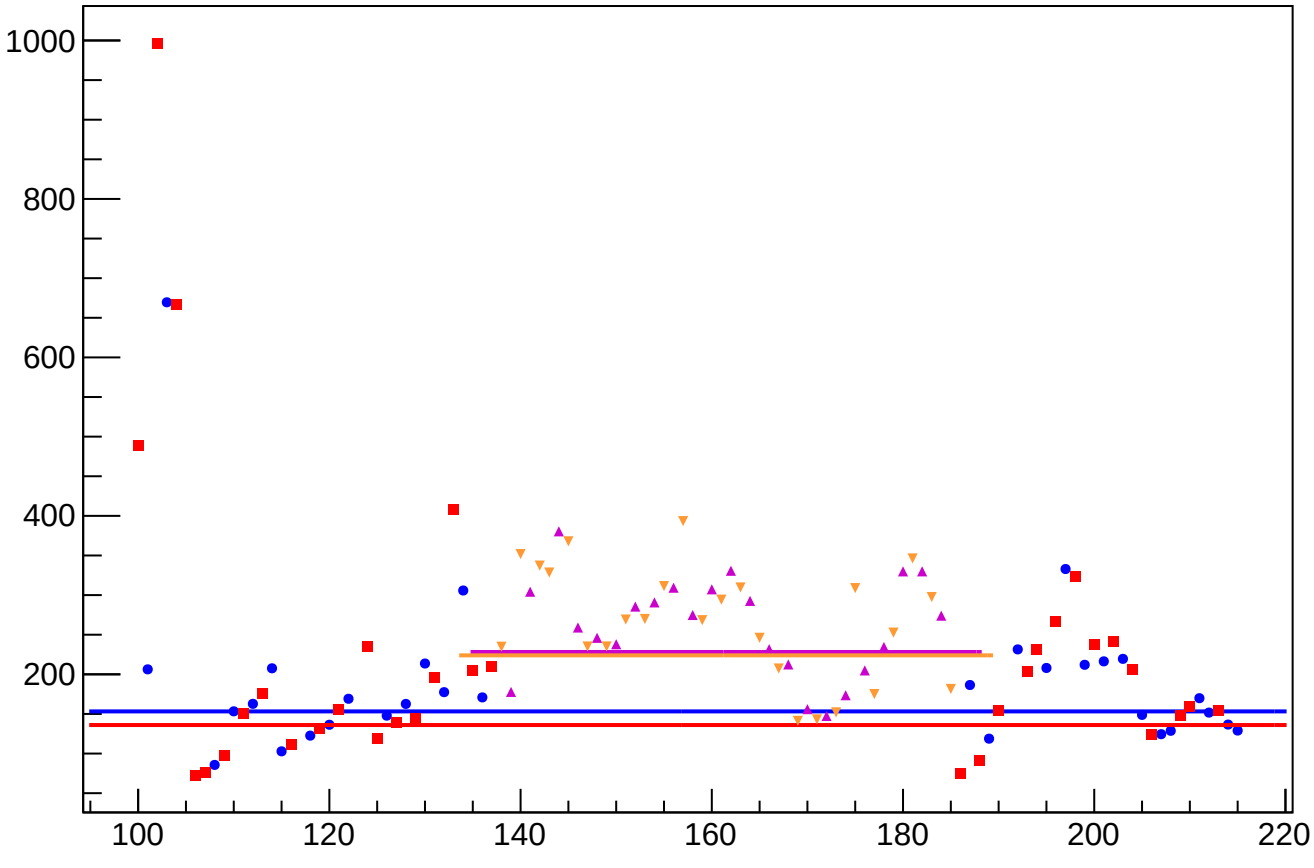
Right: 0.007+/-0.000 χ^2/NDF: 18927242.5/63

In: 0.006+/-0.000 χ^2/NDF:17237342.4/53

Out: 0.006+/-0.000 χ^2/NDF:18559443.0/57

All: 0.006+/-0.000 χ^2/NDF: 35798566.2/111


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: 0.021+/-0.037 χ²/NDF: 27.9/30
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.060+/-0.036 χ²/NDF: 33.1/32
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.022+/-0.026 χ²/NDF: 63.5/63
In: 0.041+/-0.031 χ²/NDF:58.9/53
Out: -0.050+/-0.030 χ²/NDF:57.4/57
All: -0.006+/-0.022 χ²/NDF: 120.8/111


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
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100
120
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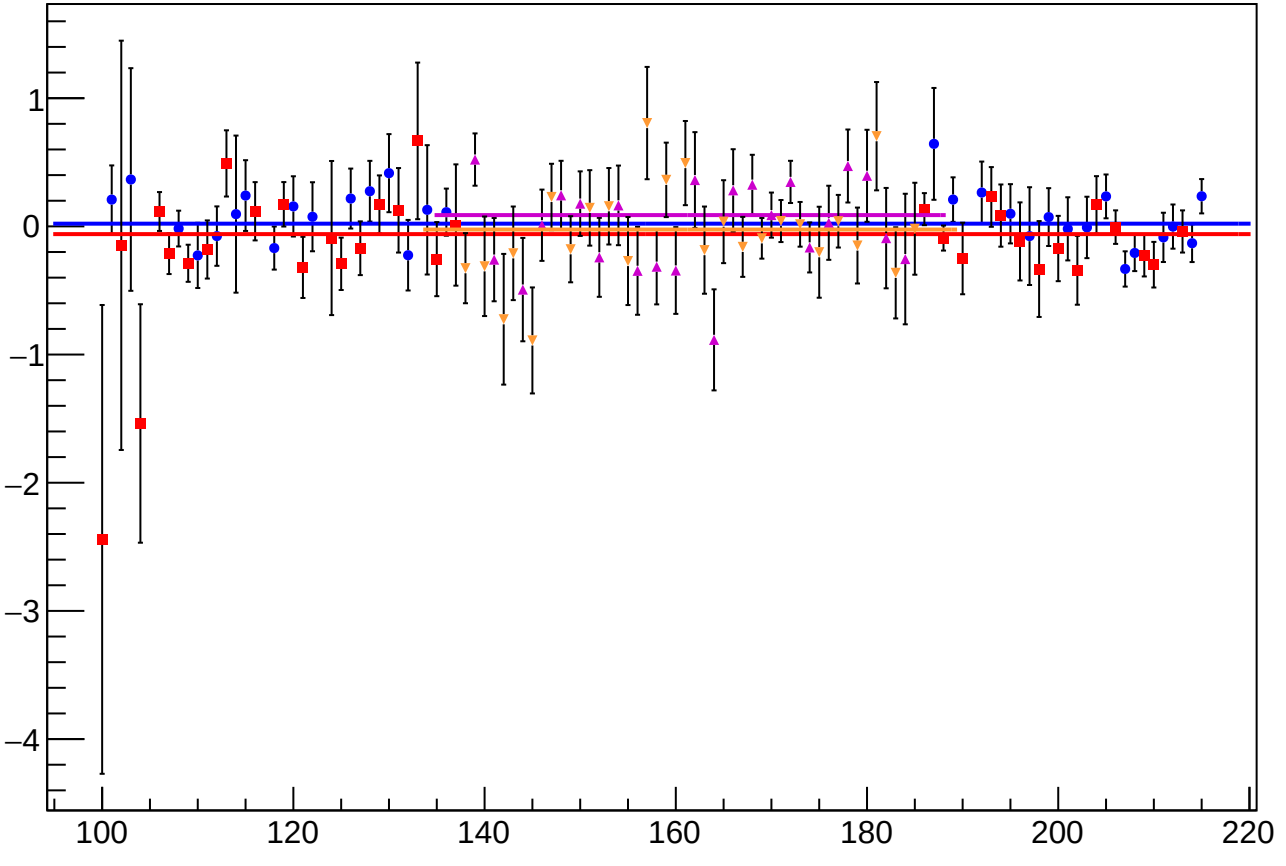
180
200
220
Right In: 153.211+/-0.027 χ²/NDF: 3254931.8/30
Left Out: 223.946+/-0.039 χ²/NDF:3438541.7/24
Right Out: 136.005+/-0.025 χ²/NDF: 6058822.0/32
Left In: 228.201+/-0.040 χ²/NDF:2488951.6/22
Left: 225.995+/-0.028 χ²/NDF: 5933340.6/47
Right: 144.197+/-0.018 χ²/NDF: 9534522.4/63
In: 176.042+/-0.022 χ²/NDF:8180808.1/53
Out: 162.375+/-0.021 χ²/NDF:13129905.7/57
All: 168.904+/-0.015 χ²/NDF: 21510328.9/1

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.037 χ^2/NDF: 27.9/30

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.060+/-0.036 χ^2/NDF: 33.1/32

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

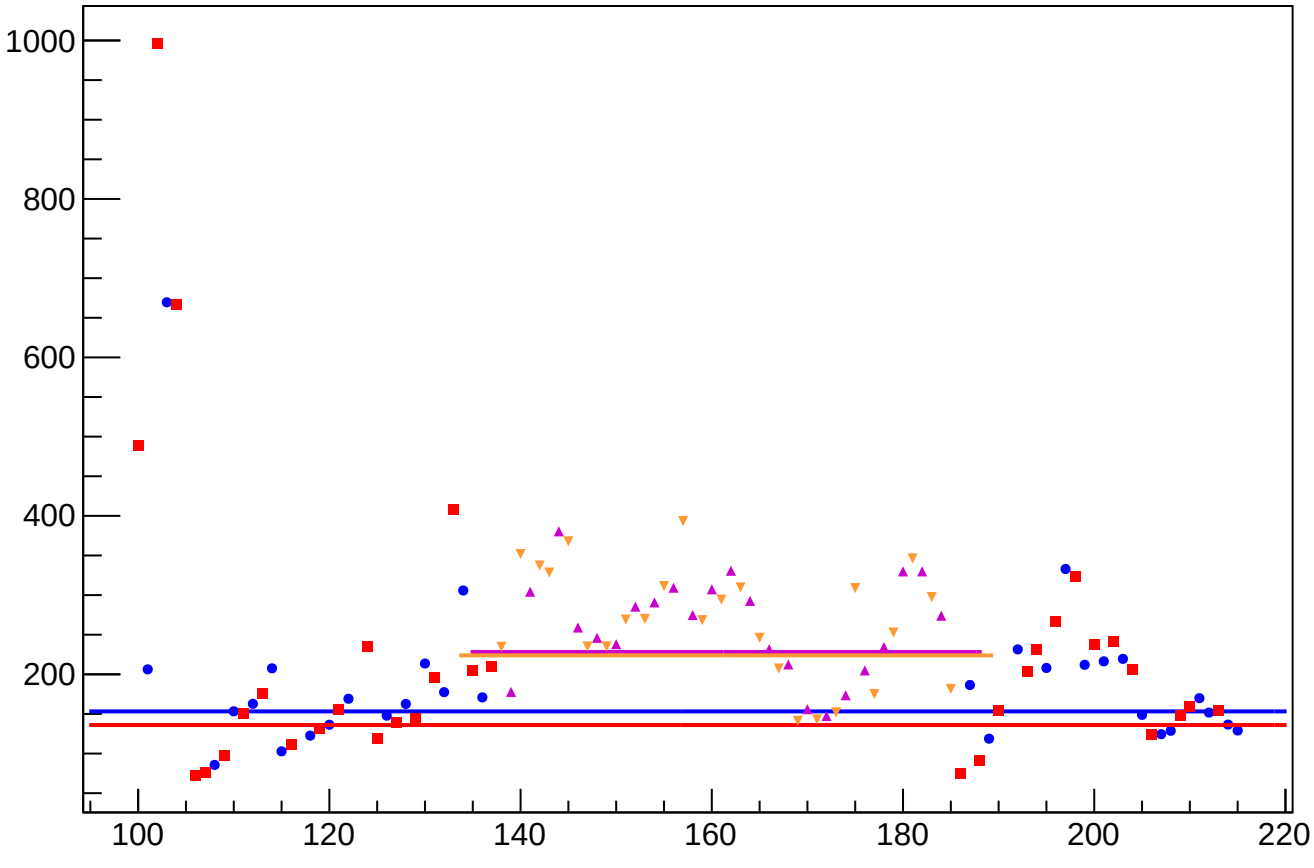
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.022+/-0.026 χ^2/NDF: 63.5/63

In: 0.041+/-0.031 χ^2/NDF:58.9/53

Out: -0.050+/-0.030 χ^2/NDF:57.4/57

All: -0.006+/-0.022 χ^2/NDF: 120.8/111


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
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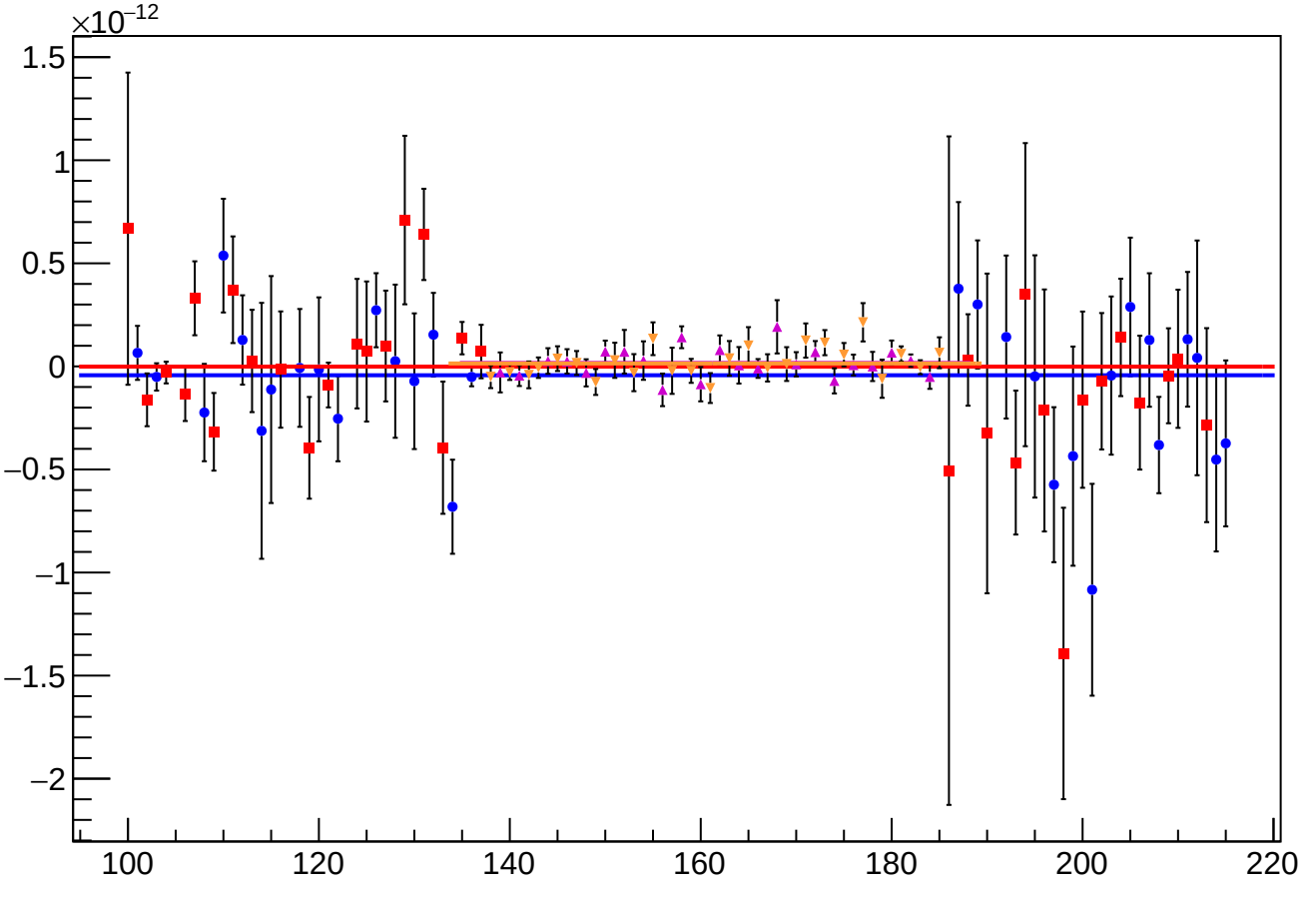
160
180
200
220
Right In: 153.211+/-0.027 χ²/NDF: 3254931.8/30
Left Out: 223.946+/-0.039 χ²/NDF:3438541.7/24
Right Out: 136.005+/-0.025 χ²/NDF: 6058822.0/32
Left In: 228.201+/-0.040 χ²/NDF:2488951.6/22
Left: 225.995+/-0.028 χ²/NDF: 5933340.6/47
Right: 144.197+/-0.018 χ²/NDF: 9534522.4/63
In: 176.042+/-0.022 χ²/NDF:8180808.1/53
Out: 162.375+/-0.021 χ²/NDF:13129905.7/57
All: 168.904+/-0.015 χ²/NDF: 21510328.9/1



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.3/32

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

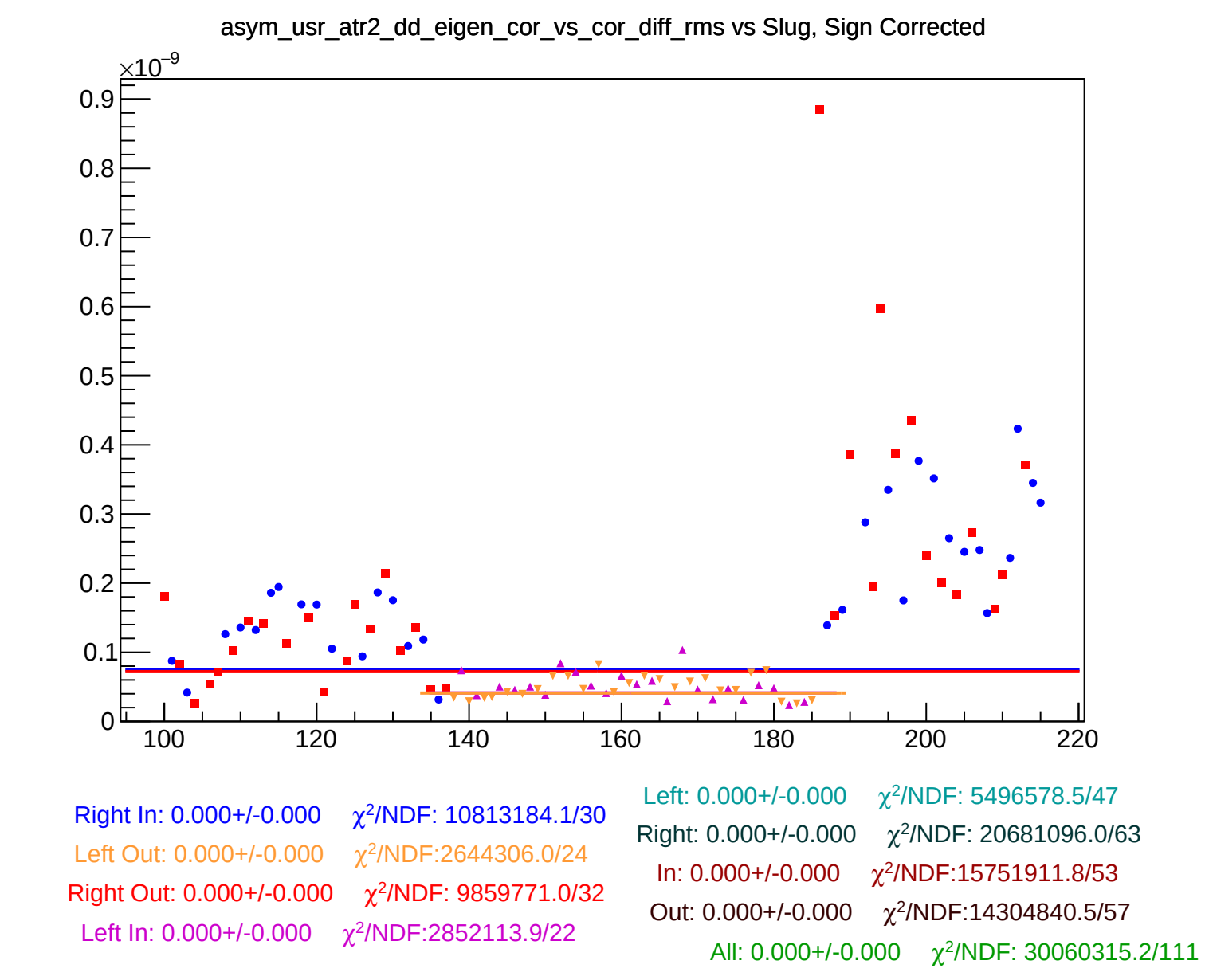
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 74.0/63

In: 0.000+/-0.000 χ^2/NDF:58.8/53

Out: 0.000+/-0.000 χ^2/NDF:64.9/57

All: 0.000+/-0.000 χ^2/NDF: 123.7/111


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
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0.6
0.5
0.4
0.3
0.2
0.1
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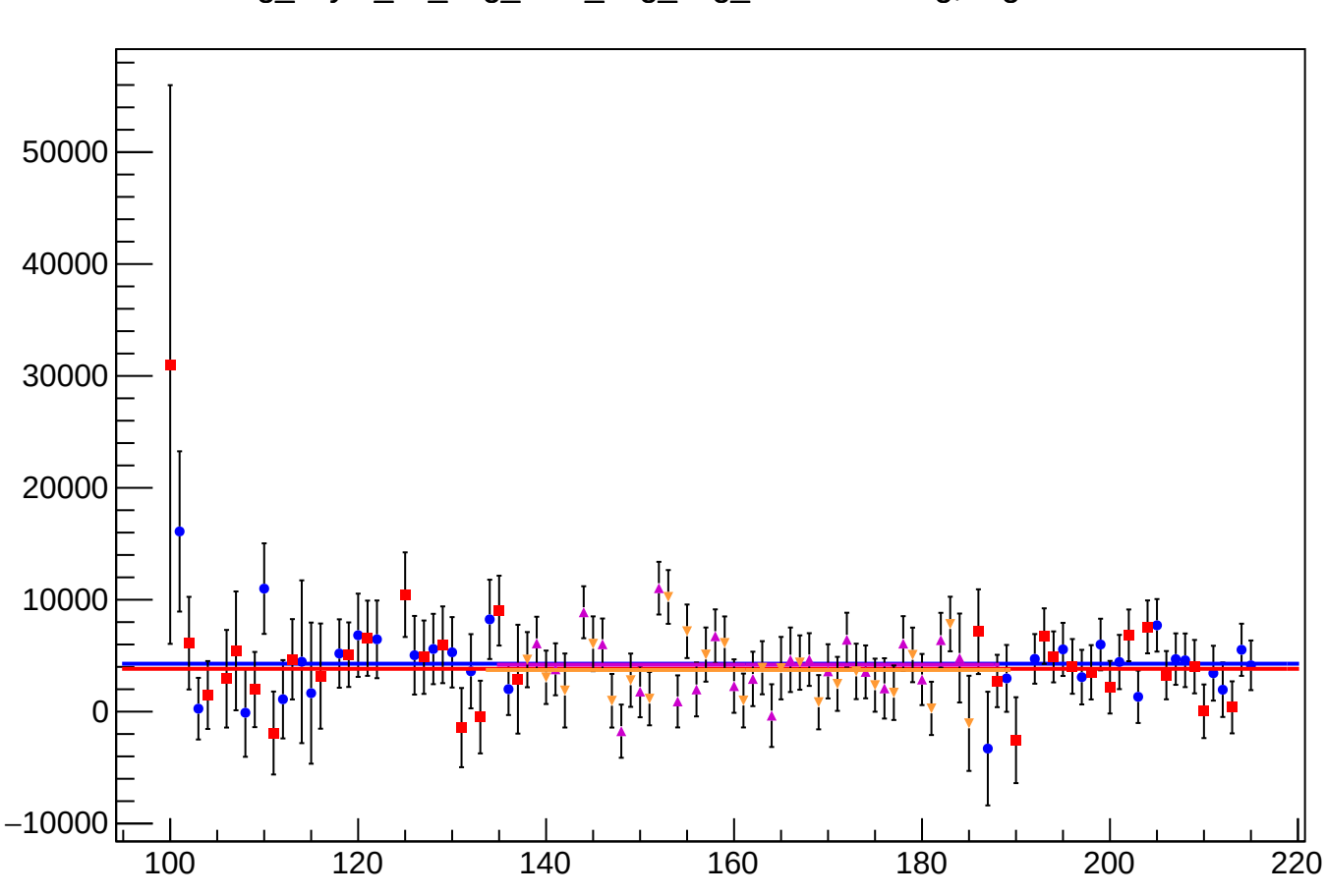
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10813184.1/30
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 9859771.0/32
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
Left: 0.000+/-0.000 χ²/NDF: 5496578.5/47
Right: 0.000+/-0.000 χ²/NDF: 20681096.0/63
In: 0.000+/-0.000 χ²/NDF:15751911.8/53
Out: 0.000+/-0.000 χ²/NDF:14304840.5/57
All: 0.000+/-0.000 χ²/NDF: 30060315.2/111



Right In: 4281.626+/-512.084 χ^2/NDF: 22.0/30

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 3826.662+/-525.113 χ^2/NDF: 31.0/31

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

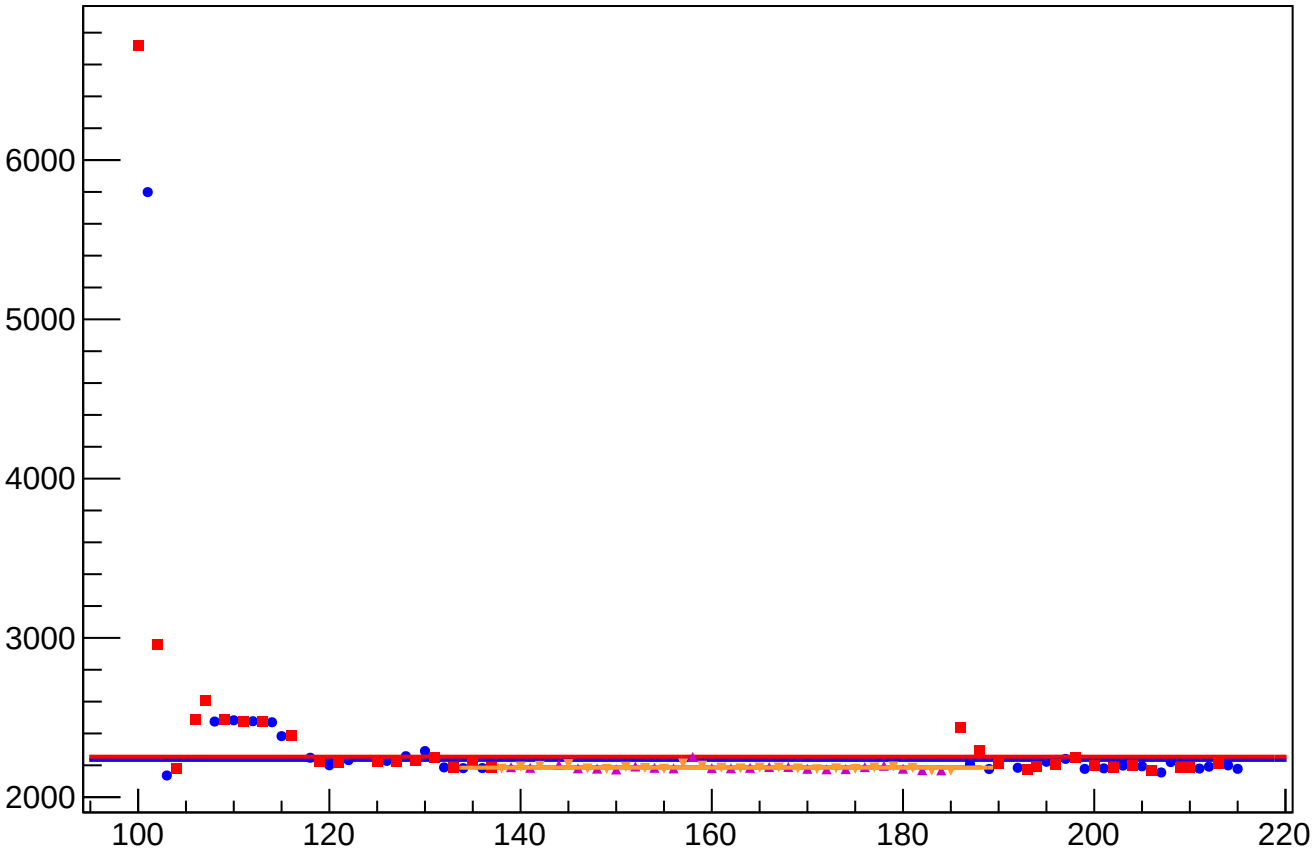
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4059.858+/-366.618 χ^2/NDF: 53.4/62

In: 4238.658+/-361.565 χ^2/NDF:54.1/53

Out: 3773.280+/-364.796 χ^2/NDF:56.5/55

All: 4008.039+/-256.800 χ^2/NDF: 111.4/109



Right In: 2234.149+/-0.362 χ^2/NDF: 539605.0/30

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2254.268+/-0.371 χ^2/NDF: 187037.6/31

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

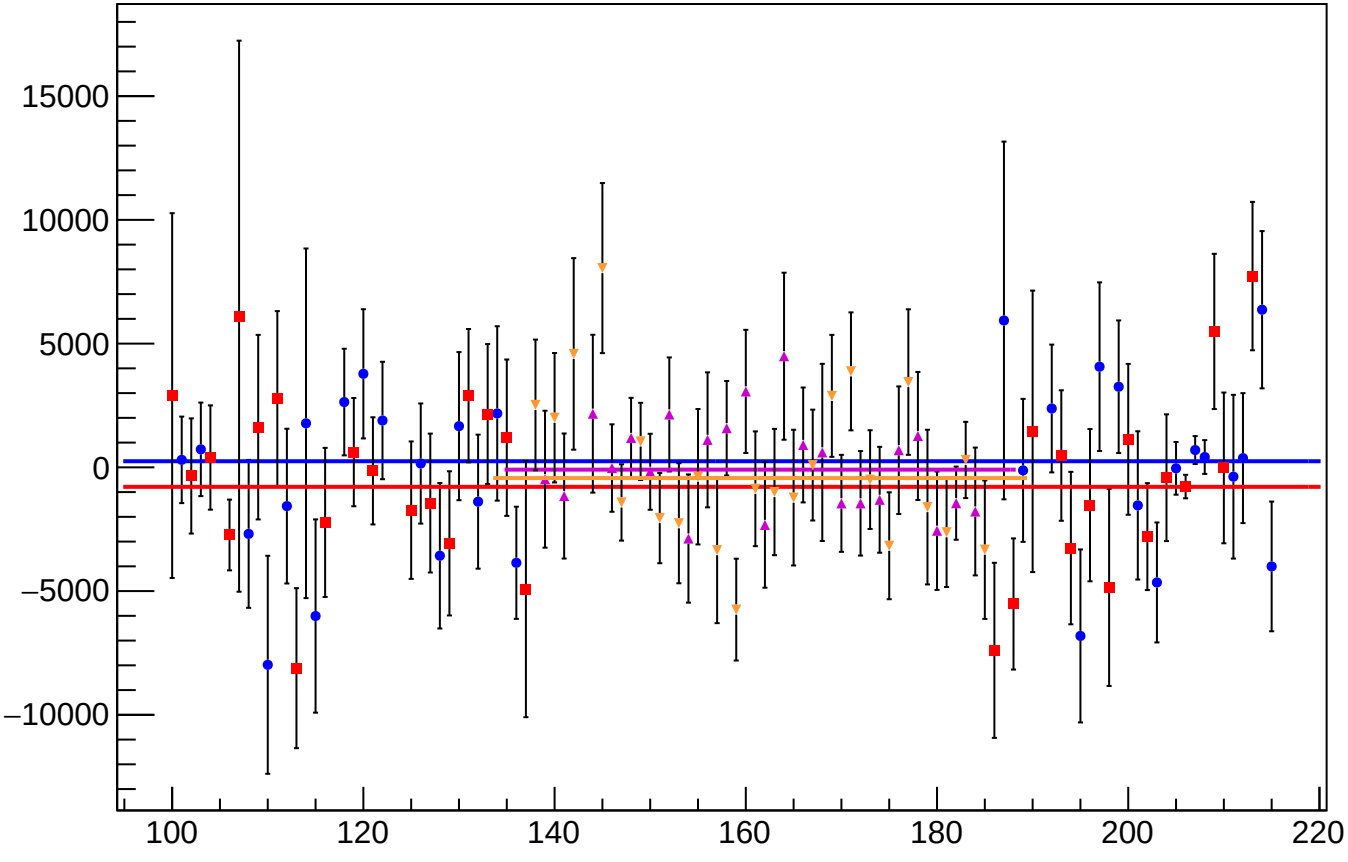
Right: 2243.956+/-0.259 χ^2/NDF: 728147.4/62

In: 2210.377+/-0.256 χ^2/NDF:550263.3/53

Out: 2218.498+/-0.258 χ^2/NDF:205789.3/55

All: 2214.402+/-0.182 χ^2/NDF: 756552.6/109

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 246.963+/-318.747 χ^2/NDF: 36.4/30

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -787.697+/-345.206 χ^2/NDF: 37.1/31

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

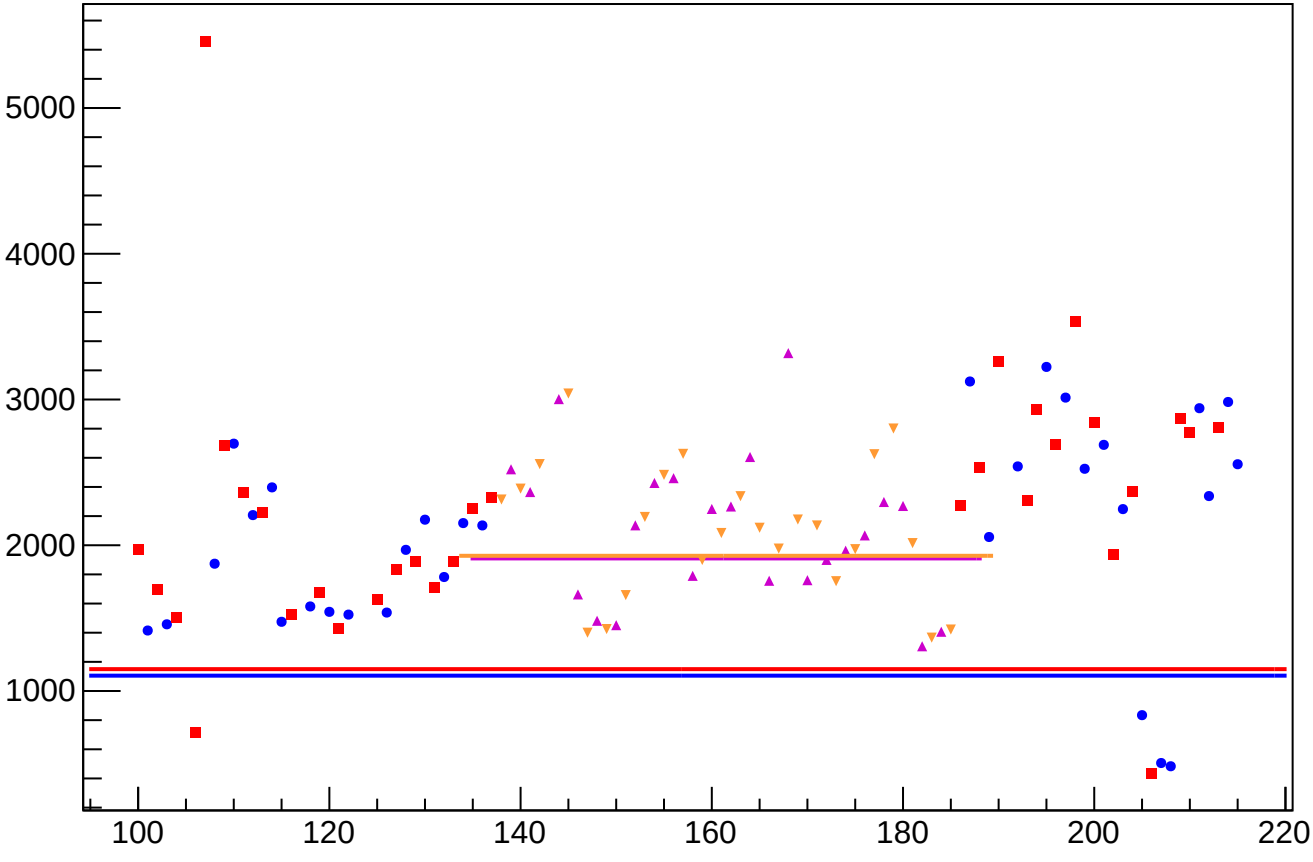
Right: -229.200+/-234.184 χ^2/NDF: 78.4/62

In: 137.012+/-262.119 χ^2/NDF:49.5/53

Out: -660.496+/-276.618 χ^2/NDF:68.8/55

All: -240.293+/-190.265 χ^2/NDF: 122.7/109

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1105.292+/-0.225 χ^2/NDF: 12616914.3/30

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1150.018+/-0.244 χ^2/NDF: 13527430.9/31

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

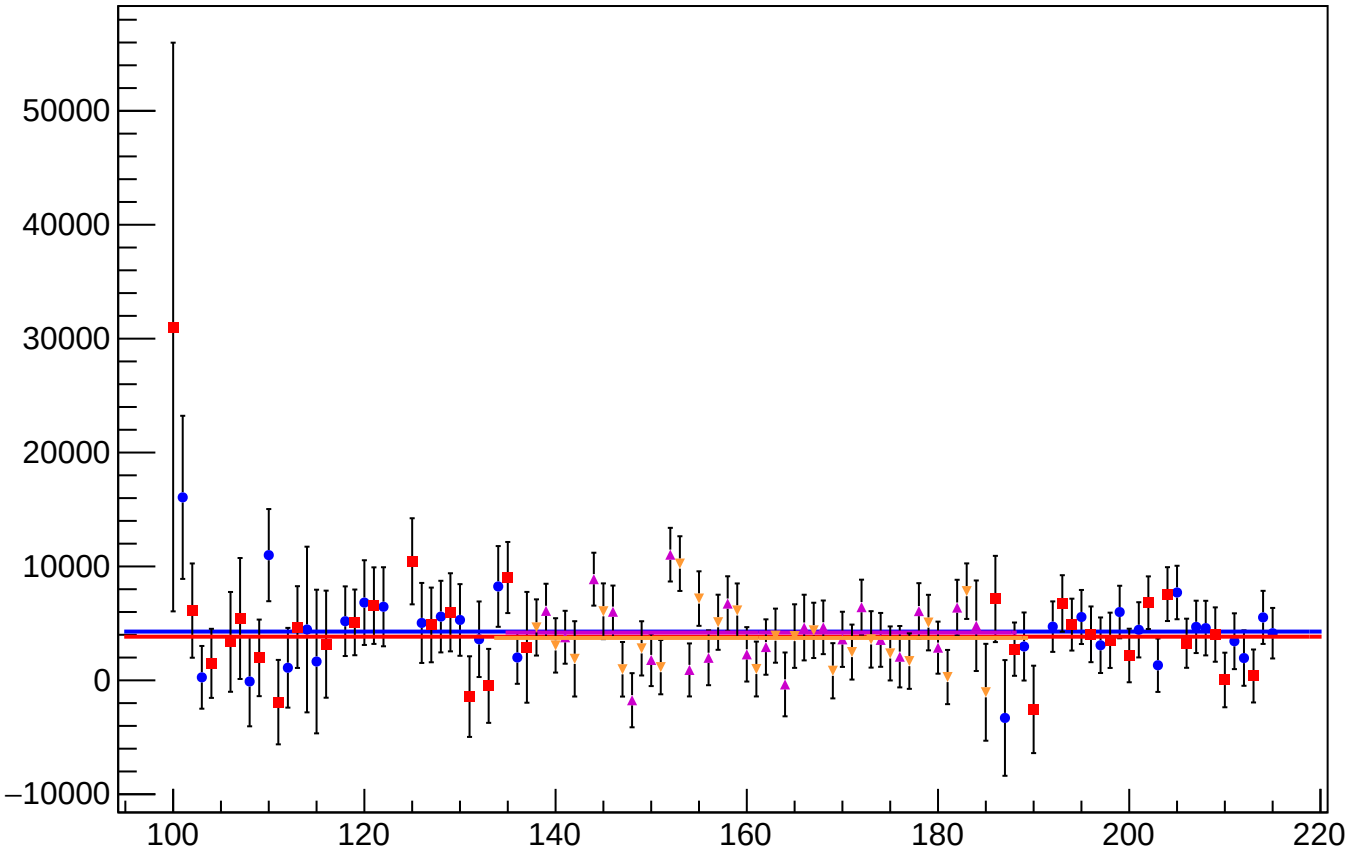
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1125.876+/-0.166 χ^2/NDF: 26162467.8/62

In: 1365.696+/-0.185 χ^2/NDF:18682181.9/53

Out: 1428.334+/-0.196 χ^2/NDF:18958181.9/55

All: 1395.330+/-0.135 χ^2/NDF: 37694398.6/



Right In: 4281.403+/-512.084 χ^2/NDF: 22.0/30

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3833.240+/-525.146 χ^2/NDF: 31.0/31

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

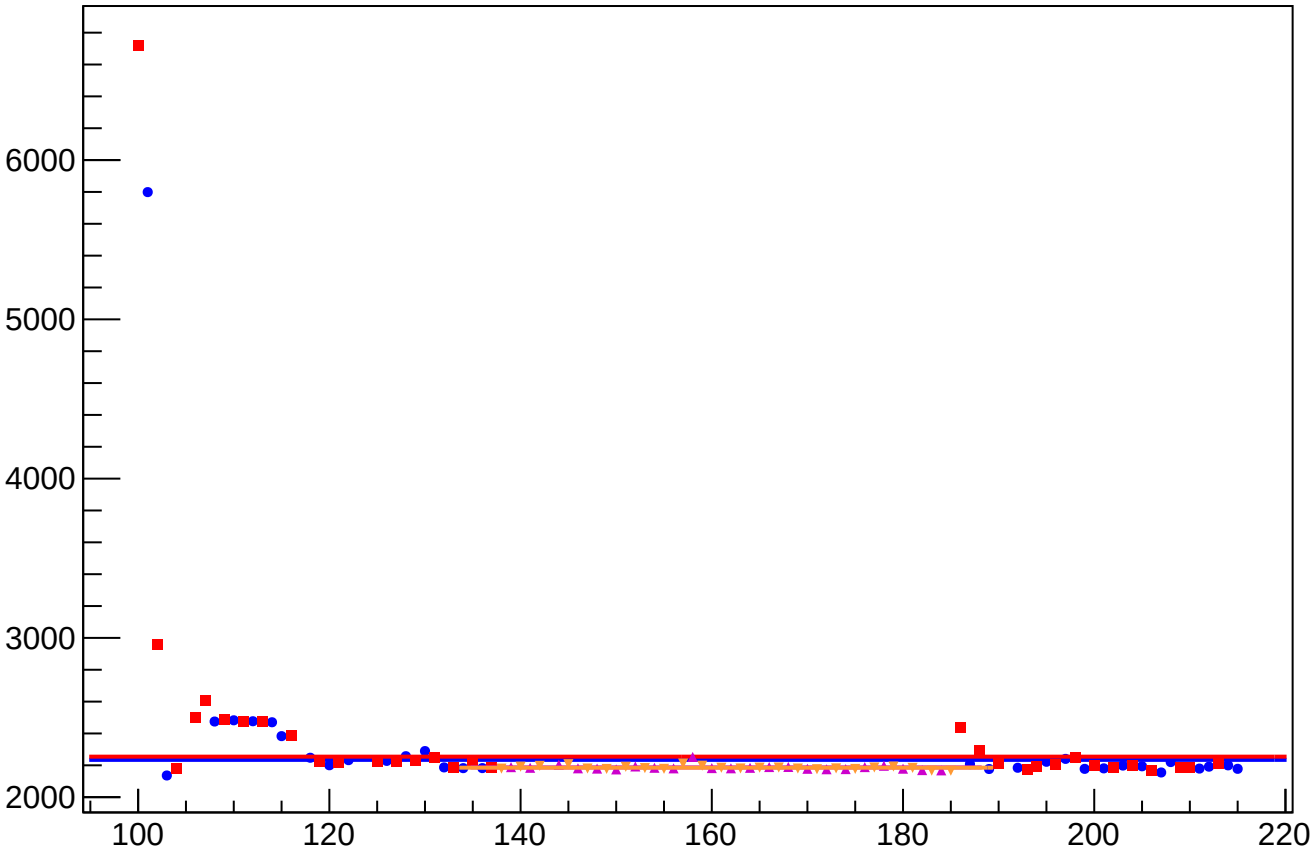
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4062.964+/-366.629 χ^2/NDF: 53.4/62

In: 4238.606+/-361.565 χ^2/NDF:54.1/53

Out: 3776.423+/-364.807 χ^2/NDF:56.5/55

All: 4009.578+/-256.804 χ^2/NDF: 111.4/109



Right In: 2234.149+/-0.362 χ^2/NDF: 539605.4/30

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2254.392+/-0.371 χ^2/NDF: 187526.4/31

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

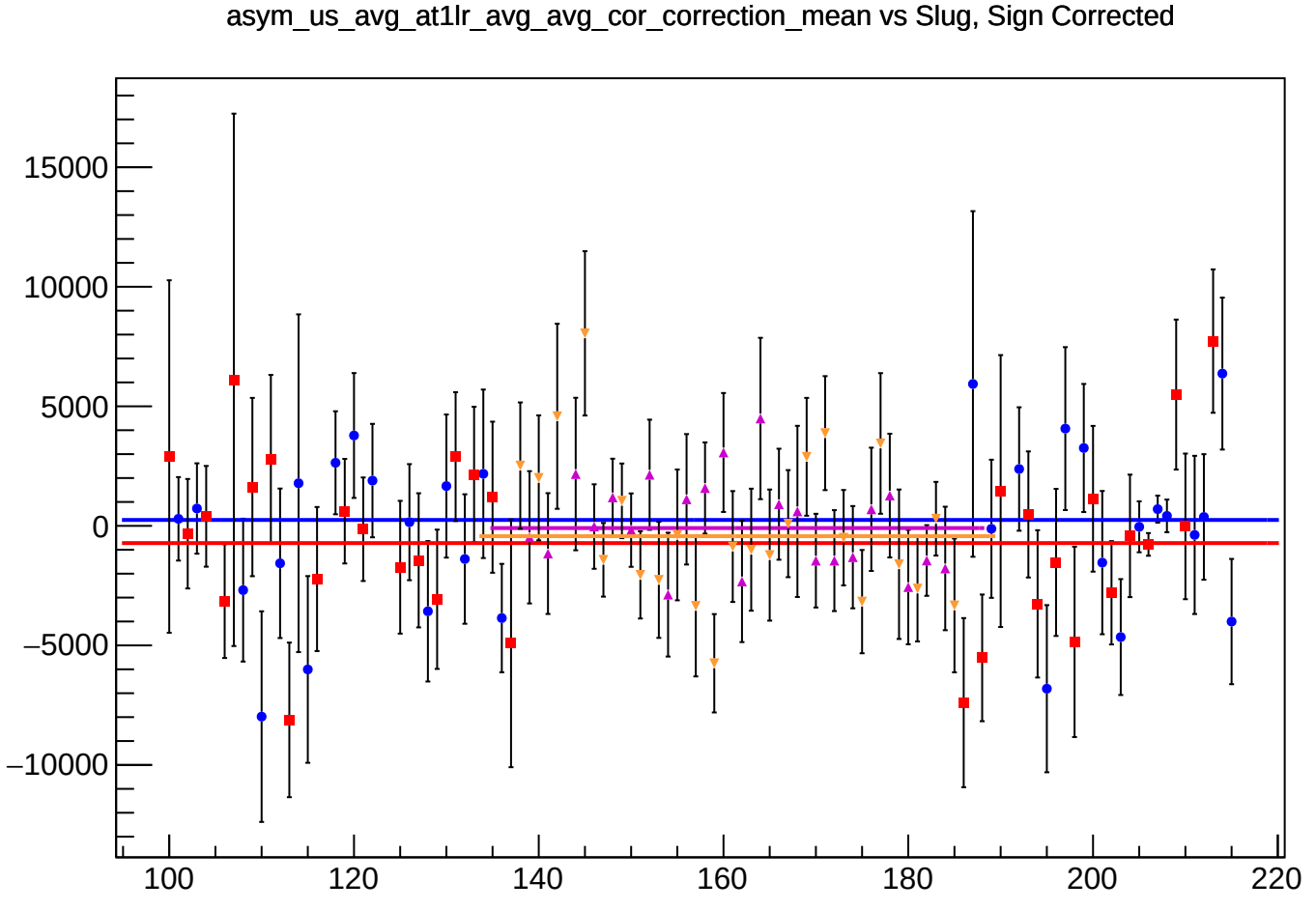
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2244.016+/-0.259 χ^2/NDF: 728655.3/62

In: 2210.377+/-0.256 χ^2/NDF:550263.7/53

Out: 2218.556+/-0.258 χ^2/NDF:206341.7/55

All: 2214.430+/-0.182 χ^2/NDF: 757112.5/109



Right In: 246.787+/-318.727 χ^2/NDF: 36.4/30

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -720.396+/-351.693 χ^2/NDF: 36.2/31

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

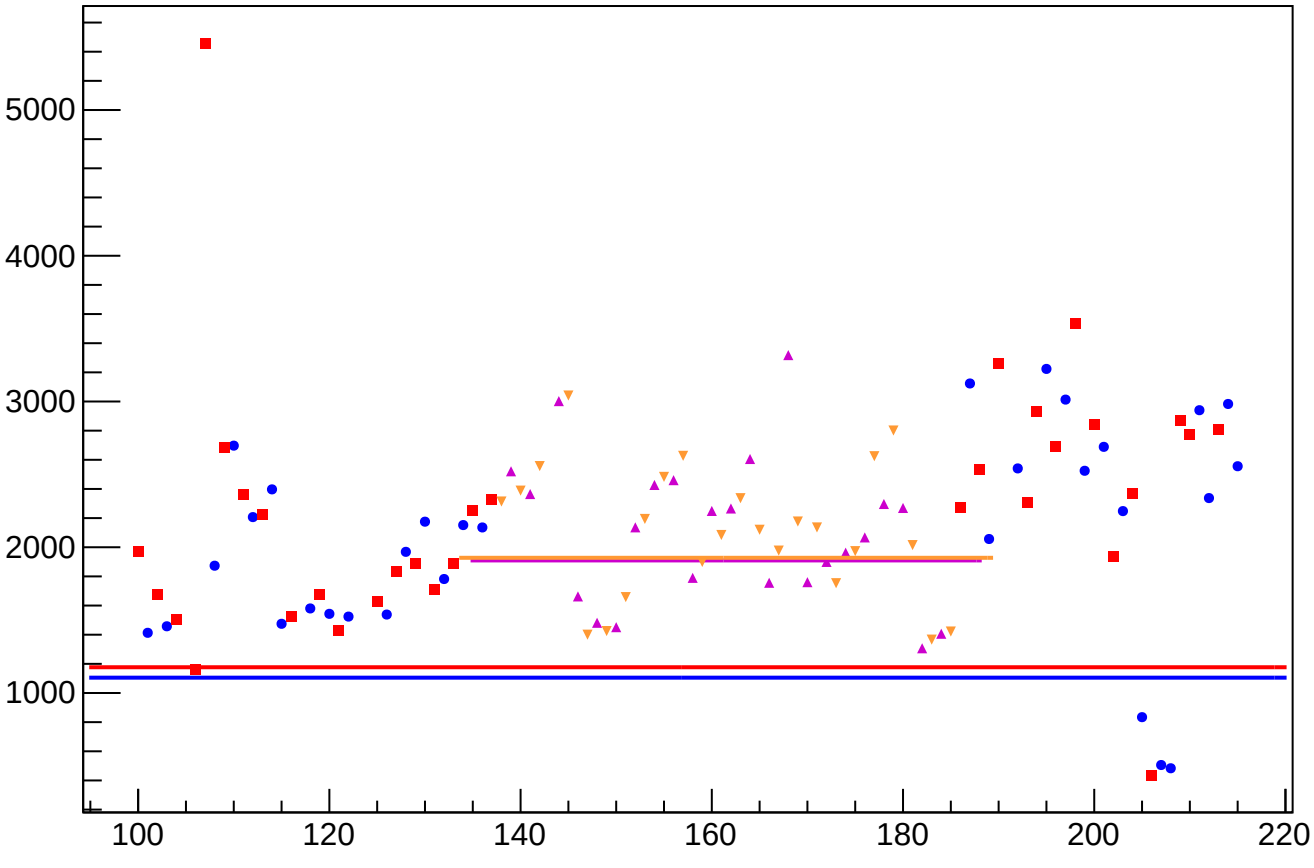
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -189.360+/-236.171 χ^2/NDF: 76.8/62

In: 136.917+/-262.108 χ^2/NDF:49.5/53

Out: -614.817+/-279.922 χ^2/NDF:67.8/55

All: -214.269+/-191.326 χ^2/NDF: 121.1/109



Right In: 1105.228+/-0.225 χ^2/NDF: 12616836.0/30

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1176.694+/-0.249 χ^2/NDF: 13326878.5/31

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

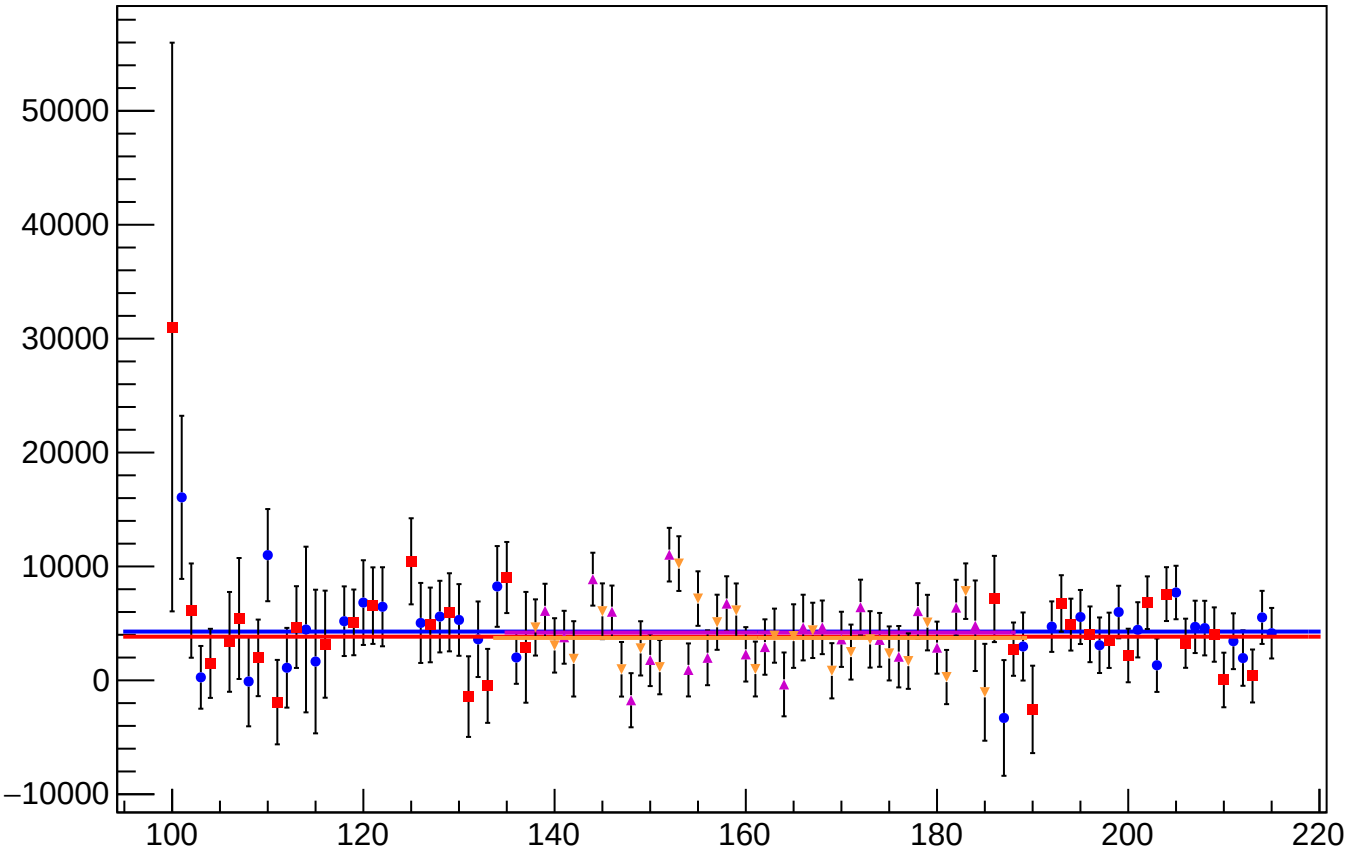
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1137.455+/-0.167 χ^2/NDF: 25989058.2/62

In: 1365.631+/-0.185 χ^2/NDF:18682991.1/53

Out: 1451.921+/-0.198 χ^2/NDF:18467339.3/55

All: 1405.943+/-0.135 χ^2/NDF: 37251598.3/1



Right In: 4281.403+/-512.084 χ^2/NDF: 22.0/30

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3833.240+/-525.146 χ^2/NDF: 31.0/31

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

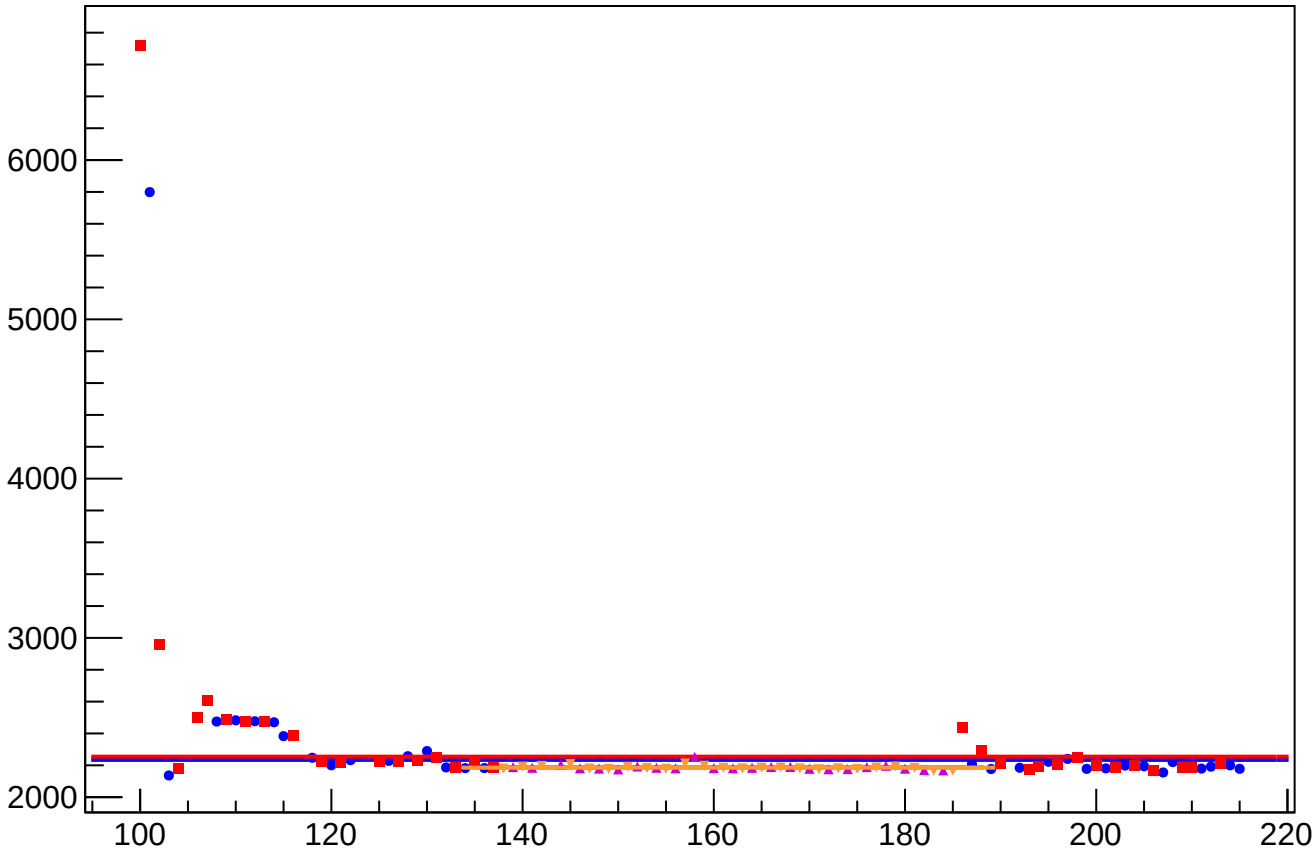
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4062.964+/-366.629 χ^2/NDF: 53.4/62

In: 4238.606+/-361.565 χ^2/NDF:54.1/53

Out: 3776.423+/-364.807 χ^2/NDF:56.5/55

All: 4009.578+/-256.804 χ^2/NDF: 111.4/109


eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected
6000
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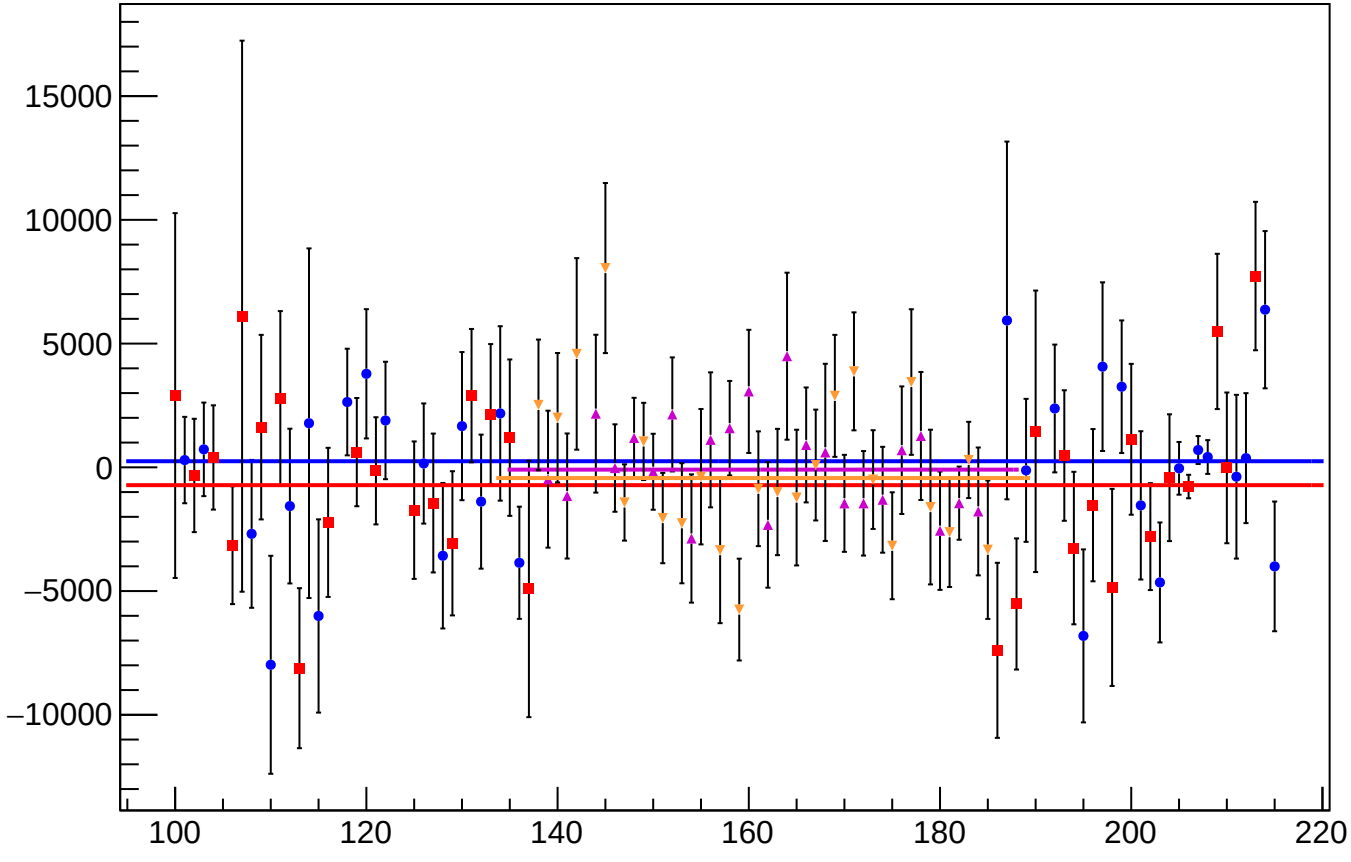
Right In: 2234.149+/-0.362 χ²/NDF: 539605.4/30
Left Out: 2185.133+/-0.359 χ²/NDF:815.1/23
Right Out: 2254.392+/-0.371 χ²/NDF: 187526.4/31
Left In: 2186.745+/-0.361 χ²/NDF:2063.9/22
Left: 2185.934+/-0.254 χ²/NDF: 2889.0/46
Right: 2244.016+/-0.259 χ²/NDF: 728655.3/62
In: 2210.377+/-0.256 χ²/NDF:550263.7/53
Out: 2218.556+/-0.258 χ²/NDF:206341.7/55
All: 2214.430+/-0.182 χ²/NDF: 757112.5/109

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 246.787+/-318.727 χ^2/NDF: 36.4/30

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -720.396+/-351.693 χ^2/NDF: 36.2/31

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

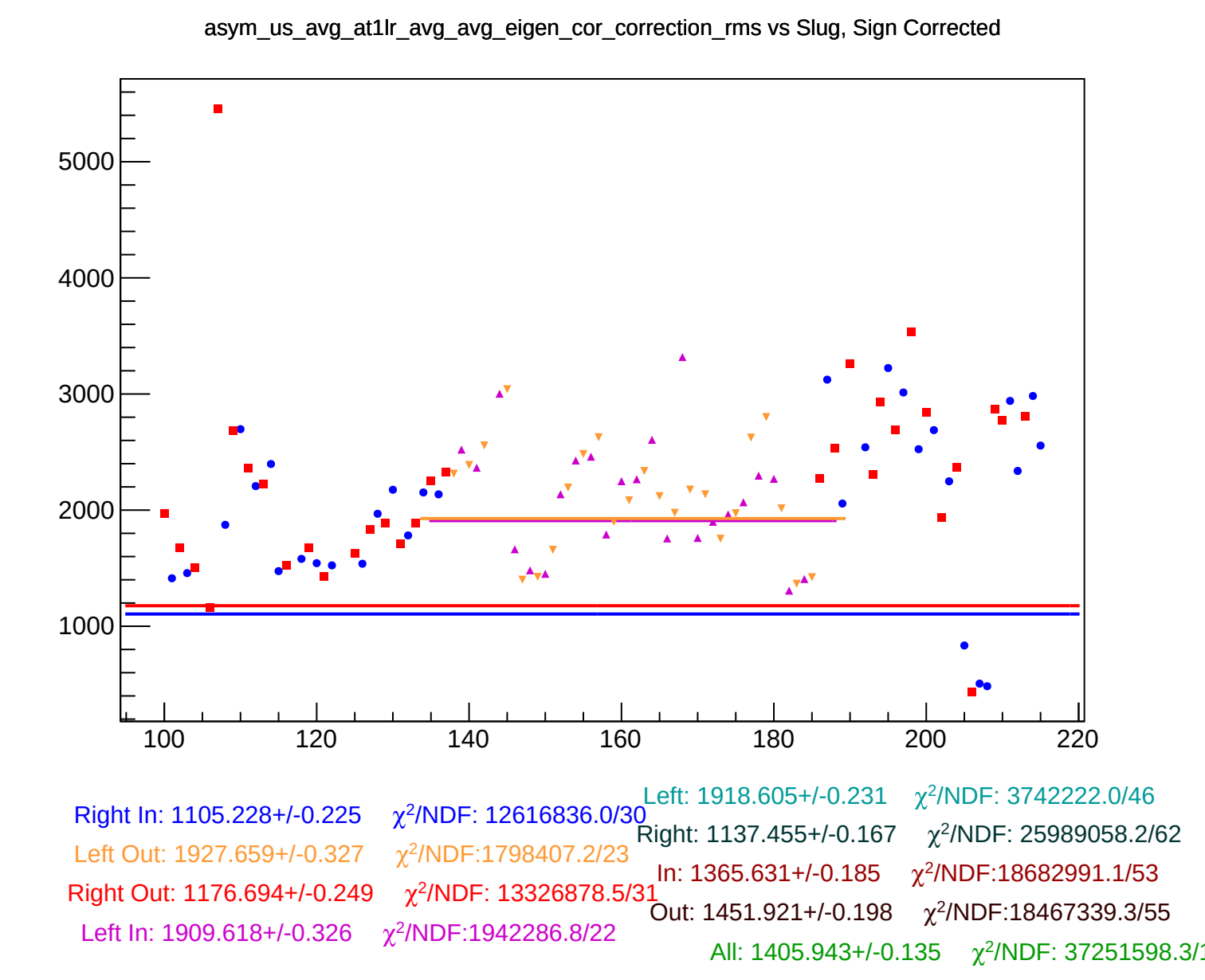
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -189.360+/-236.171 χ^2/NDF: 76.8/62

In: 136.917+/-262.108 χ^2/NDF:49.5/53

Out: -614.817+/-279.922 χ^2/NDF:67.8/55

All: -214.269+/-191.326 χ^2/NDF: 121.1/109


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
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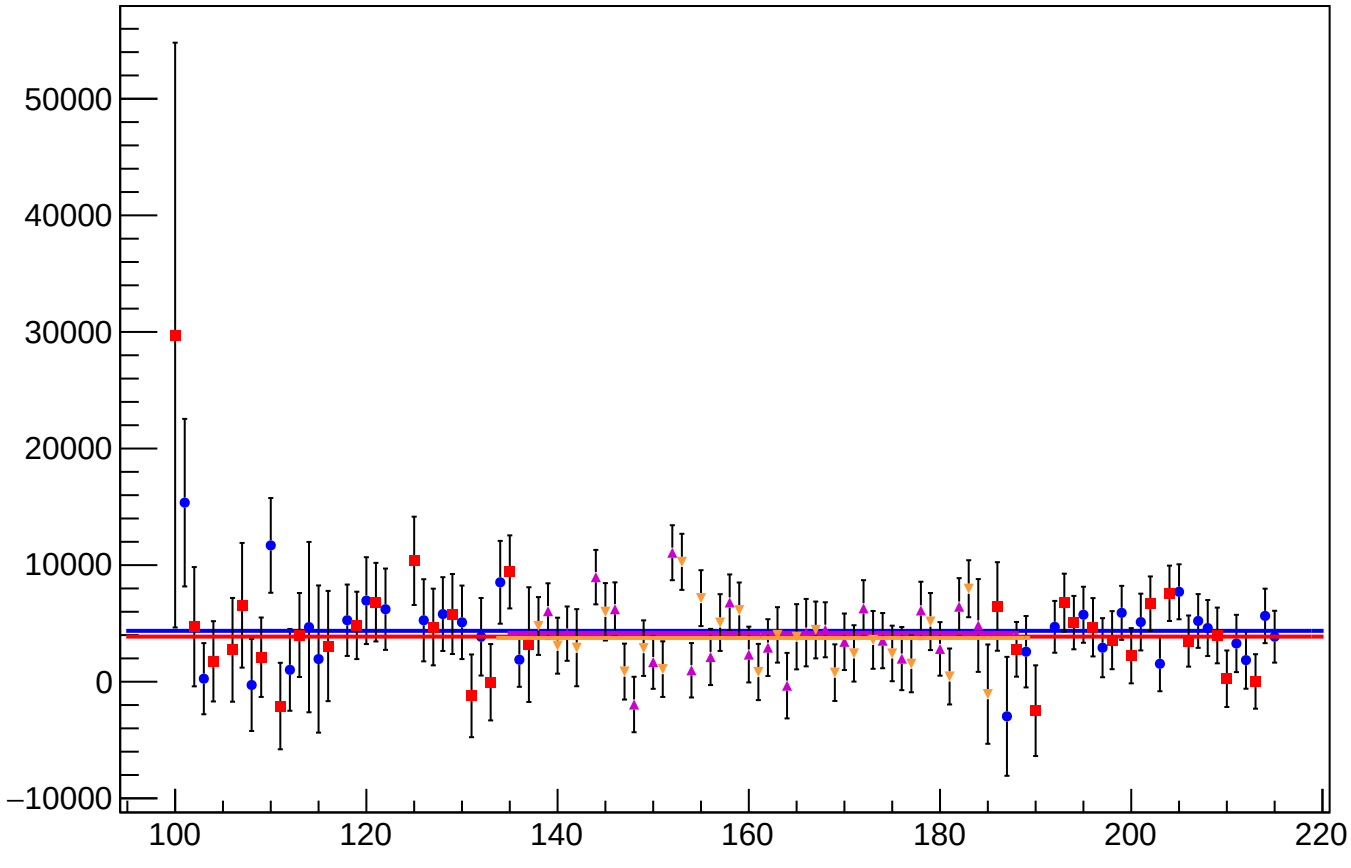
Right In: 1105.228+/-0.225 χ²/NDF: 12616836.0/30
Left Out: 1927.659+/-0.327 χ²/NDF:1798407.2/23
Right Out: 1176.694+/-0.249 χ²/NDF: 13326878.5/31
Left In: 1909.618+/-0.326 χ²/NDF:1942286.8/22
Left: 1918.605+/-0.231 χ²/NDF: 3742222.0/46
Right: 1137.455+/-0.167 χ²/NDF: 25989058.2/62
In: 1365.631+/-0.185 χ²/NDF:18682991.1/53
Out: 1451.921+/-0.198 χ²/NDF:18467339.3/55
All: 1405.943+/-0.135 χ²/NDF: 37251598.3/1



Right In: 4364.196+/-516.847 χ^2/NDF: 22.4/30

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 3869.806+/-532.476 χ^2/NDF: 30.0/31

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

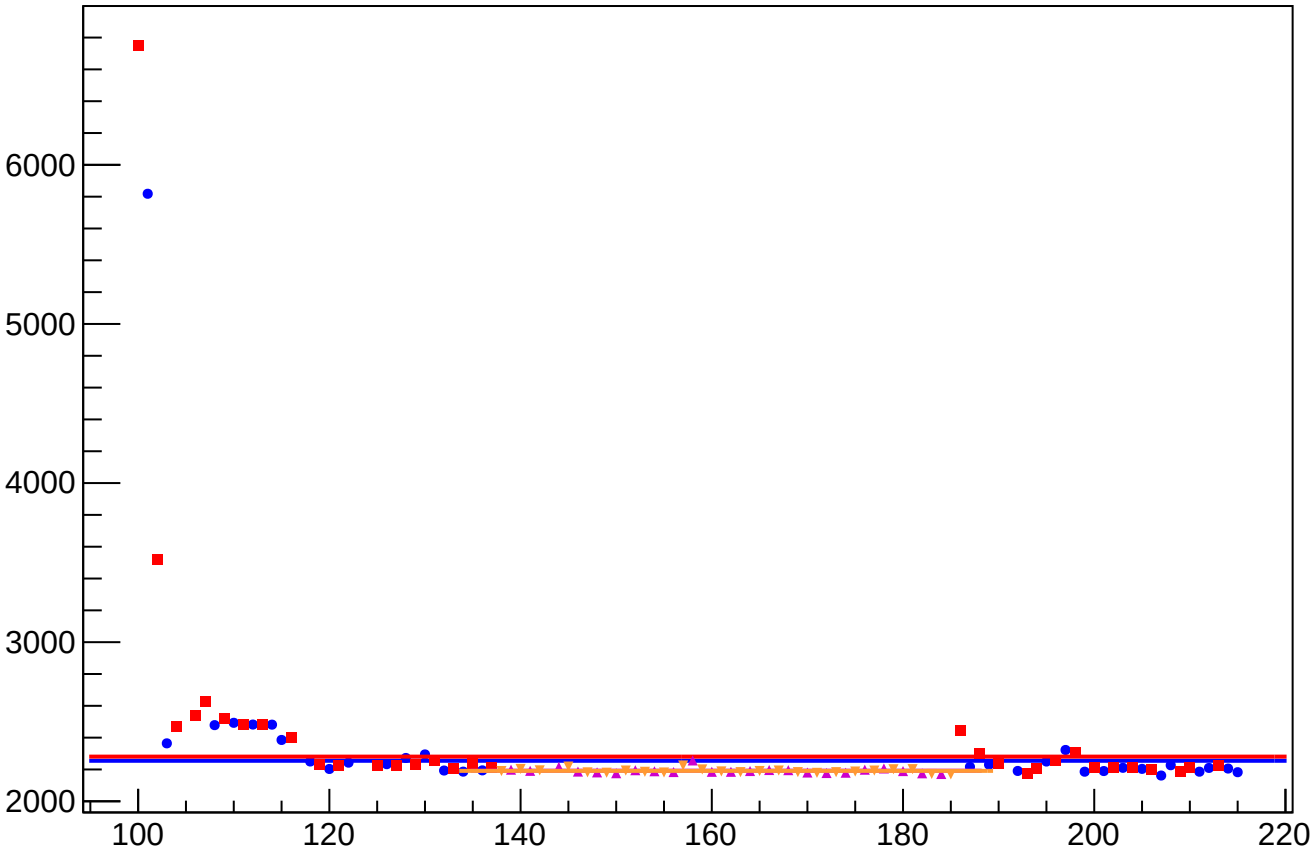
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4124.363+/-370.868 χ^2/NDF: 52.8/62

In: 4273.333+/-363.691 χ^2/NDF:55.1/53

Out: 3809.279+/-367.774 χ^2/NDF:55.7/55

All: 4043.896+/-258.600 χ^2/NDF: 111.6/109



Right In: 2254.539+/-0.365 χ^2/NDF: 539572.1/30

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2280.712+/-0.377 χ^2/NDF: 253877.3/31

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

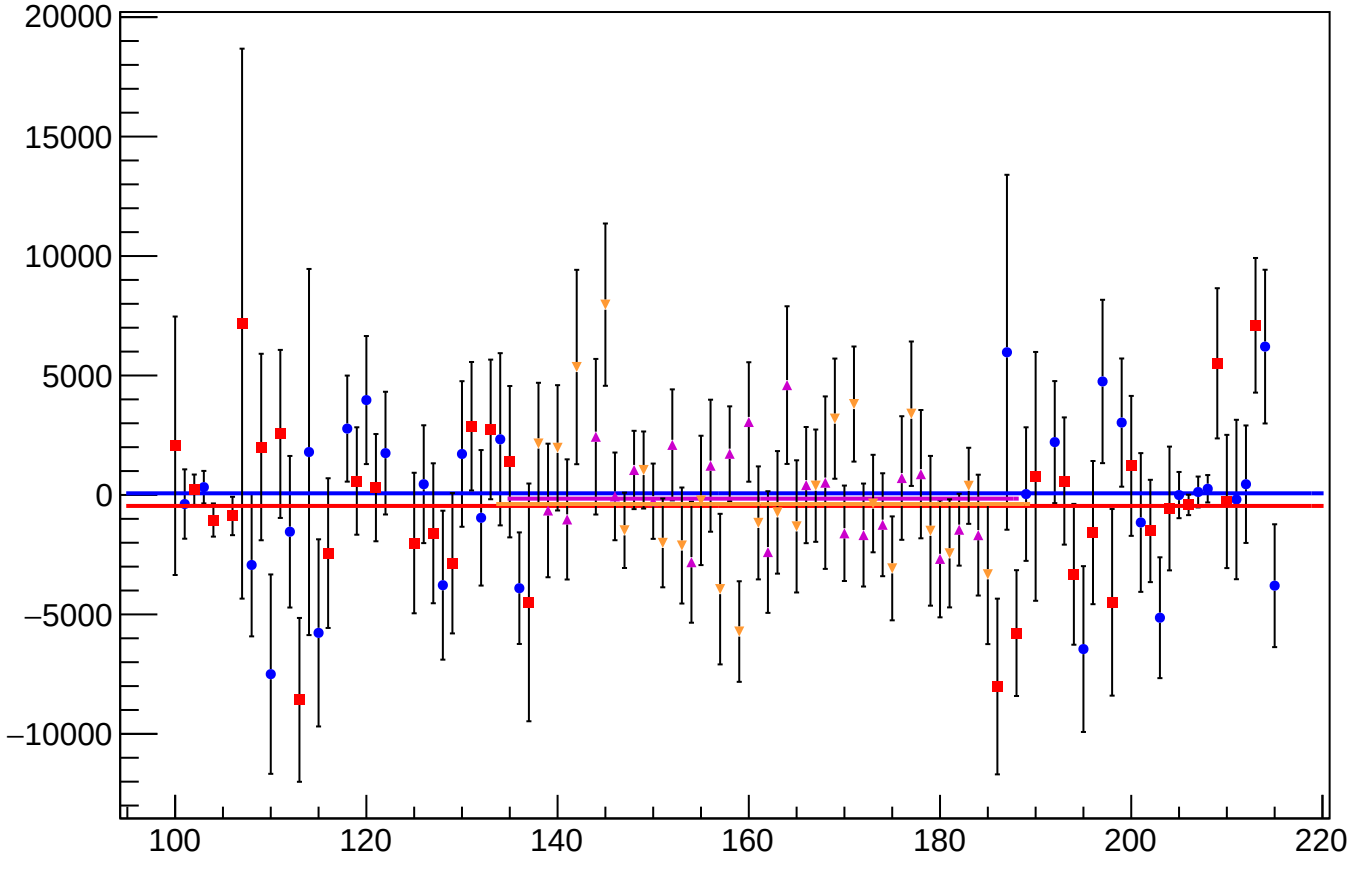
Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

Right: 2267.236+/-0.262 χ^2/NDF: 795937.4/62

In: 2223.068+/-0.257 χ^2/NDF:556542.3/53

Out: 2233.874+/-0.260 χ^2/NDF:284698.4/55

All: 2228.411+/-0.183 χ^2/NDF: 842113.6/109



Right In: 68.687+/-287.048 χ^2/NDF: 34.8/30

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -459.781+/-261.657 χ^2/NDF: 37.1/31

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

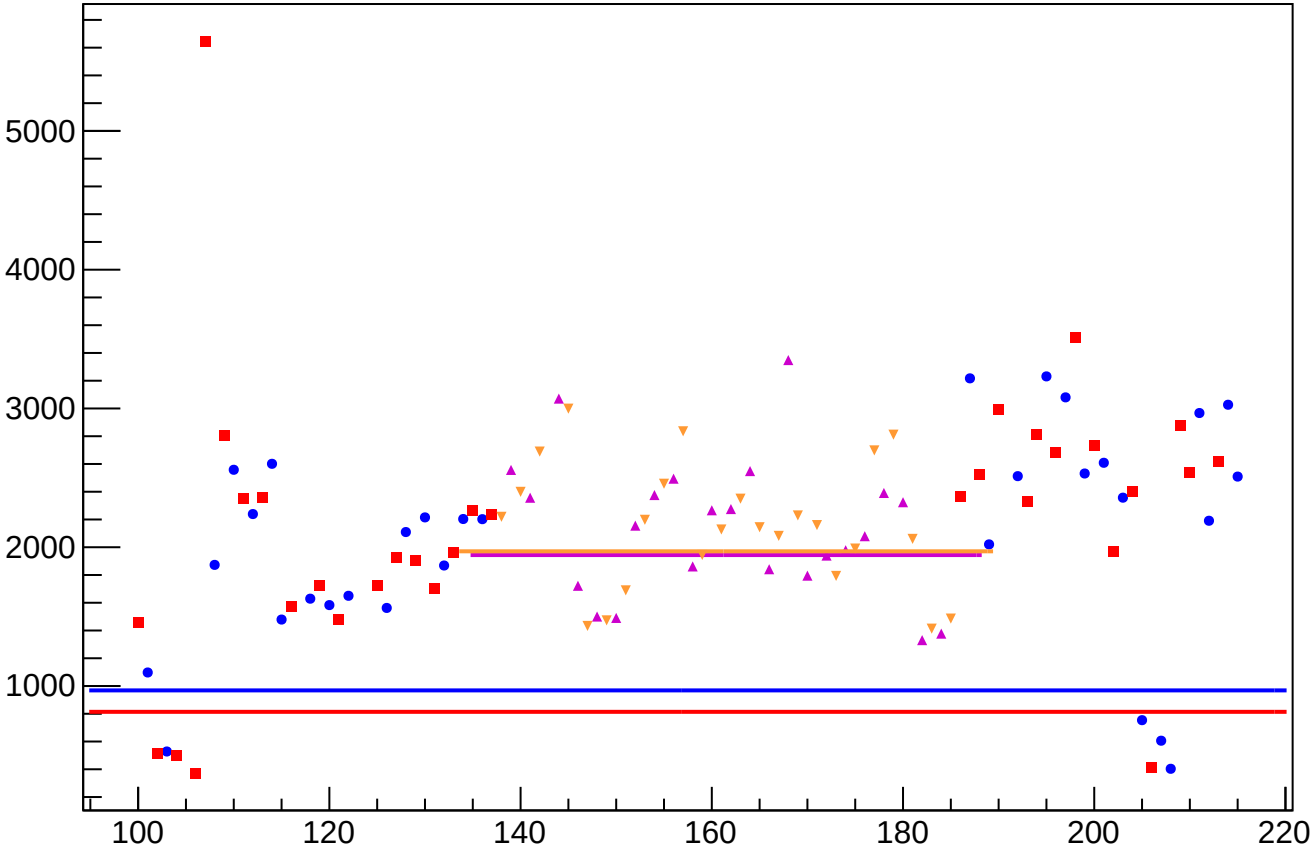
Right: -219.949+/-193.374 χ^2/NDF: 73.8/62

In: 7.673+/-244.689 χ^2/NDF:47.8/53

Out: -441.110+/-228.786 χ^2/NDF:67.9/55

All: -231.774+/-167.116 χ^2/NDF: 117.5/109

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 968.415+/-0.203 χ^2/NDF: 14063233.2/30

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 813.984+/-0.185 χ^2/NDF: 16901708.8/31

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

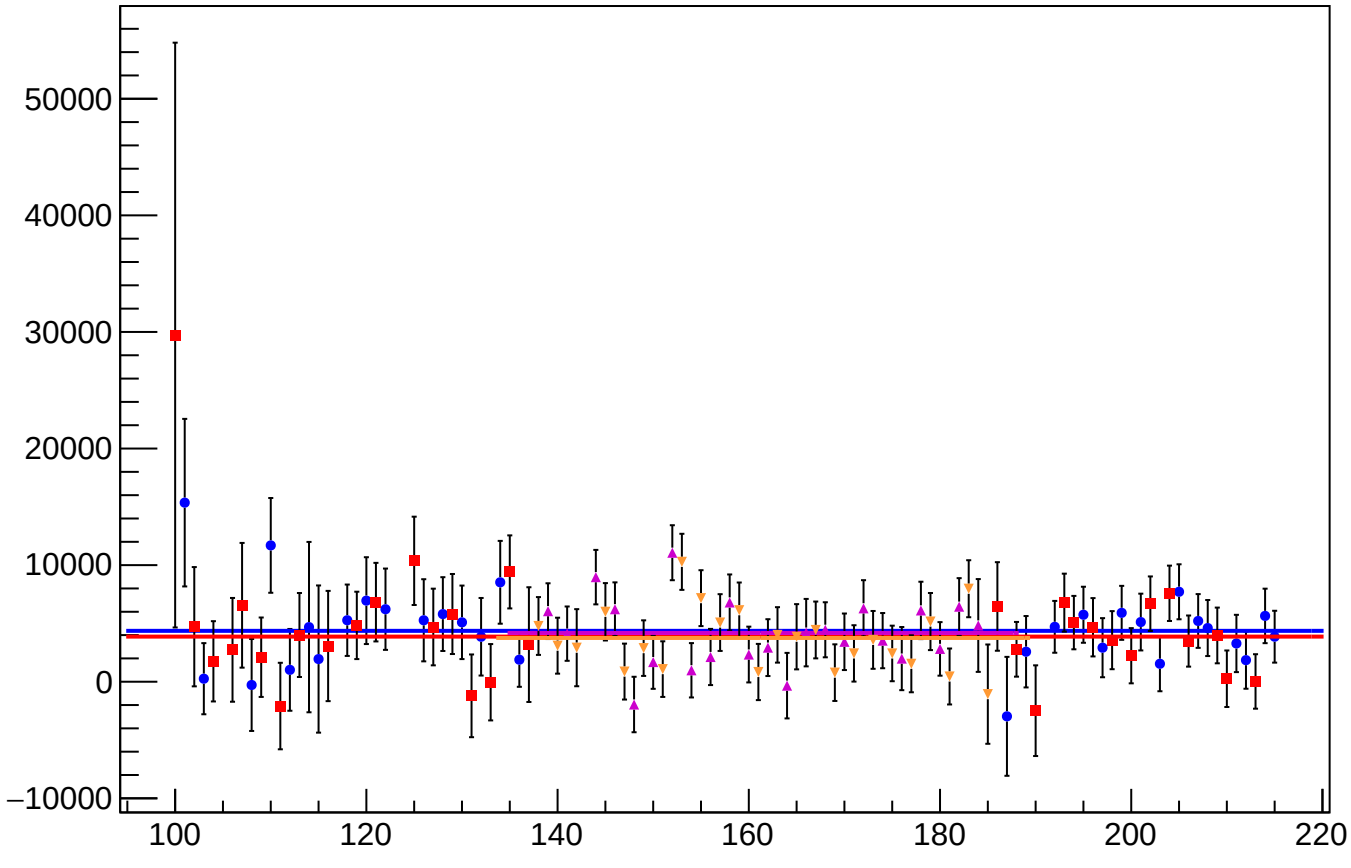
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 884.068+/-0.137 χ^2/NDF: 31281110.7/62

In: 1235.000+/-0.173 χ^2/NDF:22256570.0/53

Out: 1086.343+/-0.162 χ^2/NDF:27801115.7/55

All: 1155.684+/-0.118 χ^2/NDF: 50451552.3/1



Right In: 4364.195+/-516.847 χ^2/NDF: 22.4/30

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 3869.803+/-532.476 χ^2/NDF: 30.0/31

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

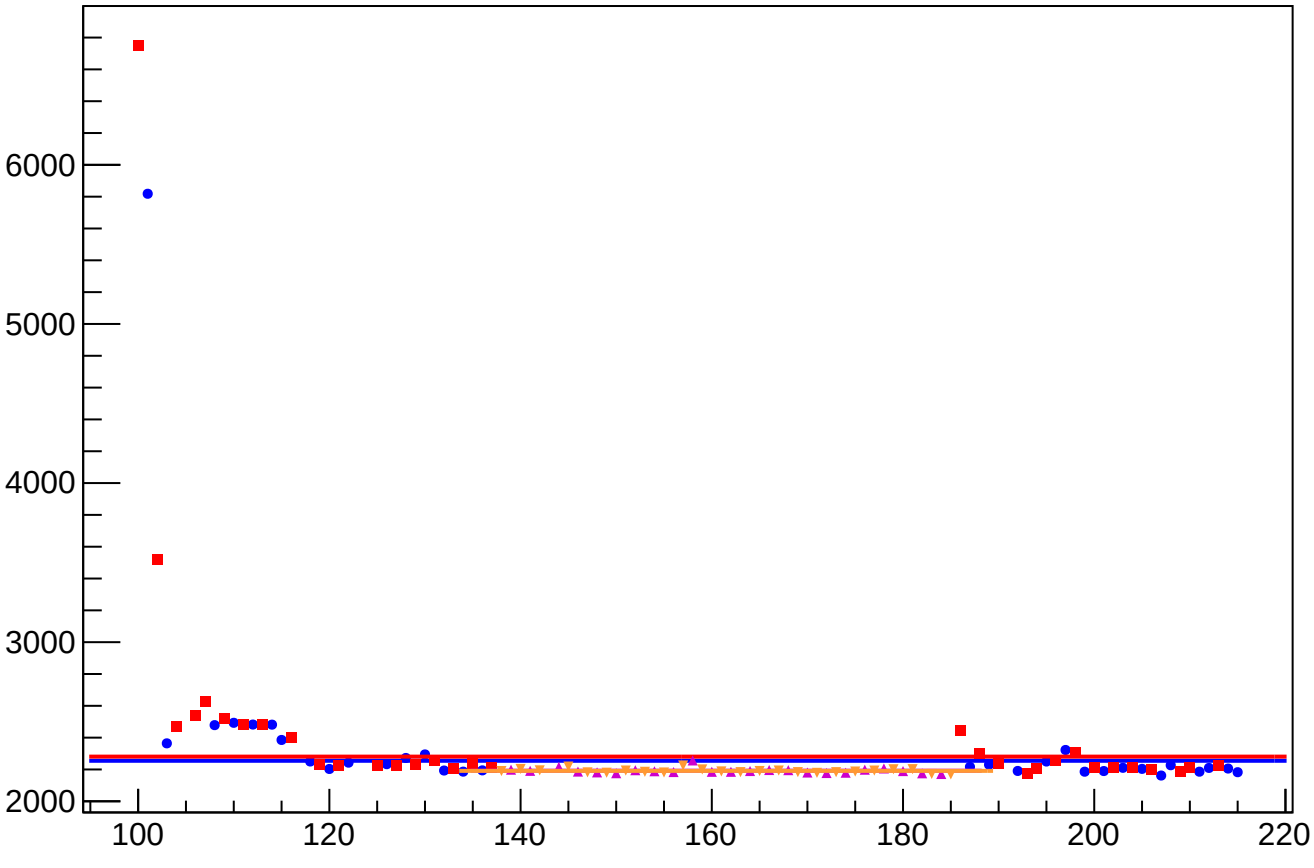
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4124.361+/-370.868 χ^2/NDF: 52.8/62

In: 4273.333+/-363.691 χ^2/NDF:55.1/53

Out: 3809.277+/-367.774 χ^2/NDF:55.7/55

All: 4043.895+/-258.600 χ^2/NDF: 111.6/109



Right In: 2254.539+/-0.365 χ^2/NDF: 539571.9/30

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2280.712+/-0.377 χ^2/NDF: 253876.1/31

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

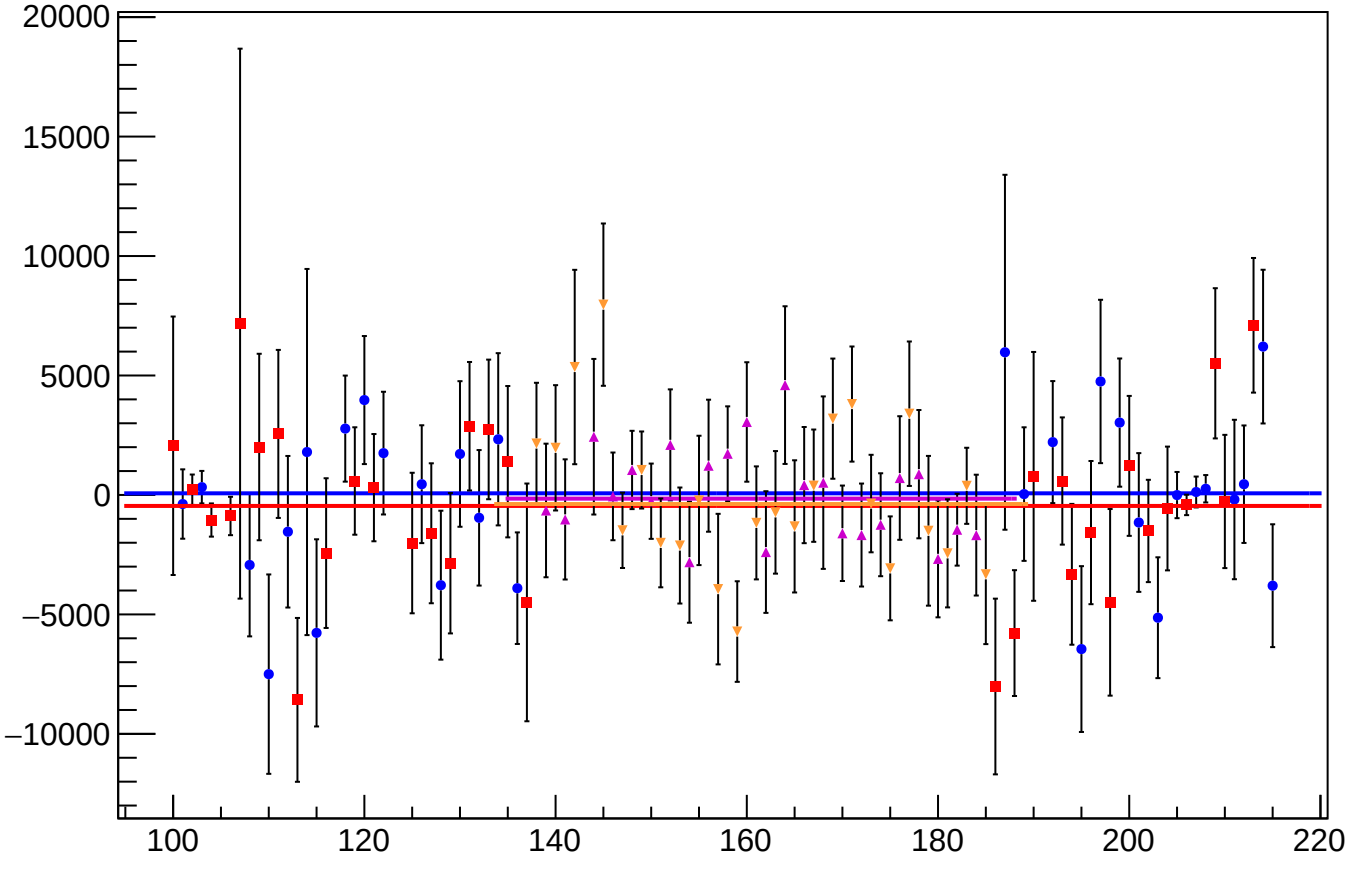
Right: 2267.236+/-0.262 χ^2/NDF: 795936.0/62

In: 2223.068+/-0.257 χ^2/NDF:556542.0/53

Out: 2233.874+/-0.260 χ^2/NDF:284696.9/55

All: 2228.411+/-0.183 χ^2/NDF: 842111.8/109

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 68.684+/-287.048 χ^2/NDF: 34.8/30

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -459.778+/-261.658 χ^2/NDF: 37.1/31

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

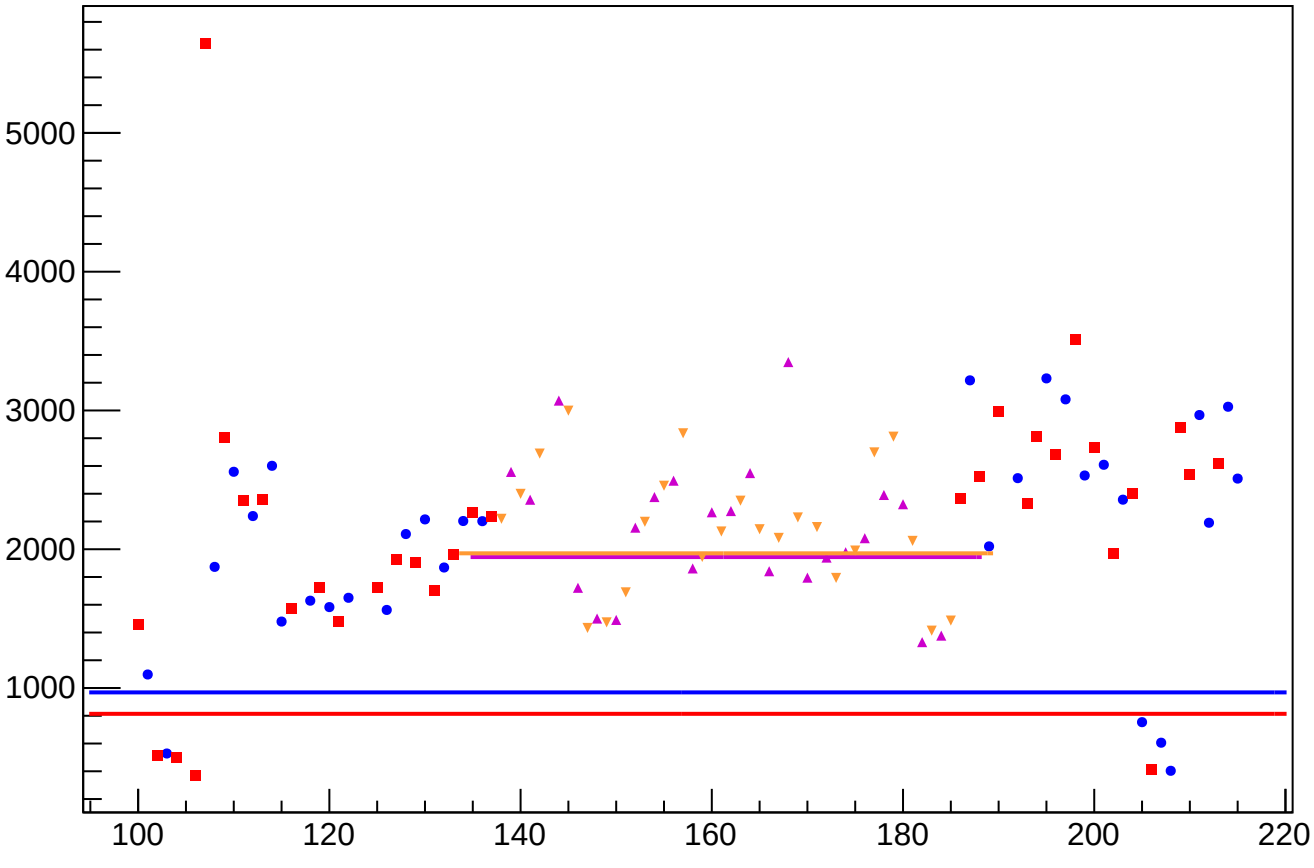
Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

Right: -219.948+/-193.375 χ^2/NDF: 73.8/62

In: 7.671+/-244.689 χ^2/NDF:47.8/53

Out: -441.108+/-228.787 χ^2/NDF:67.9/55

All: -231.774+/-167.116 χ^2/NDF: 117.5/109


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
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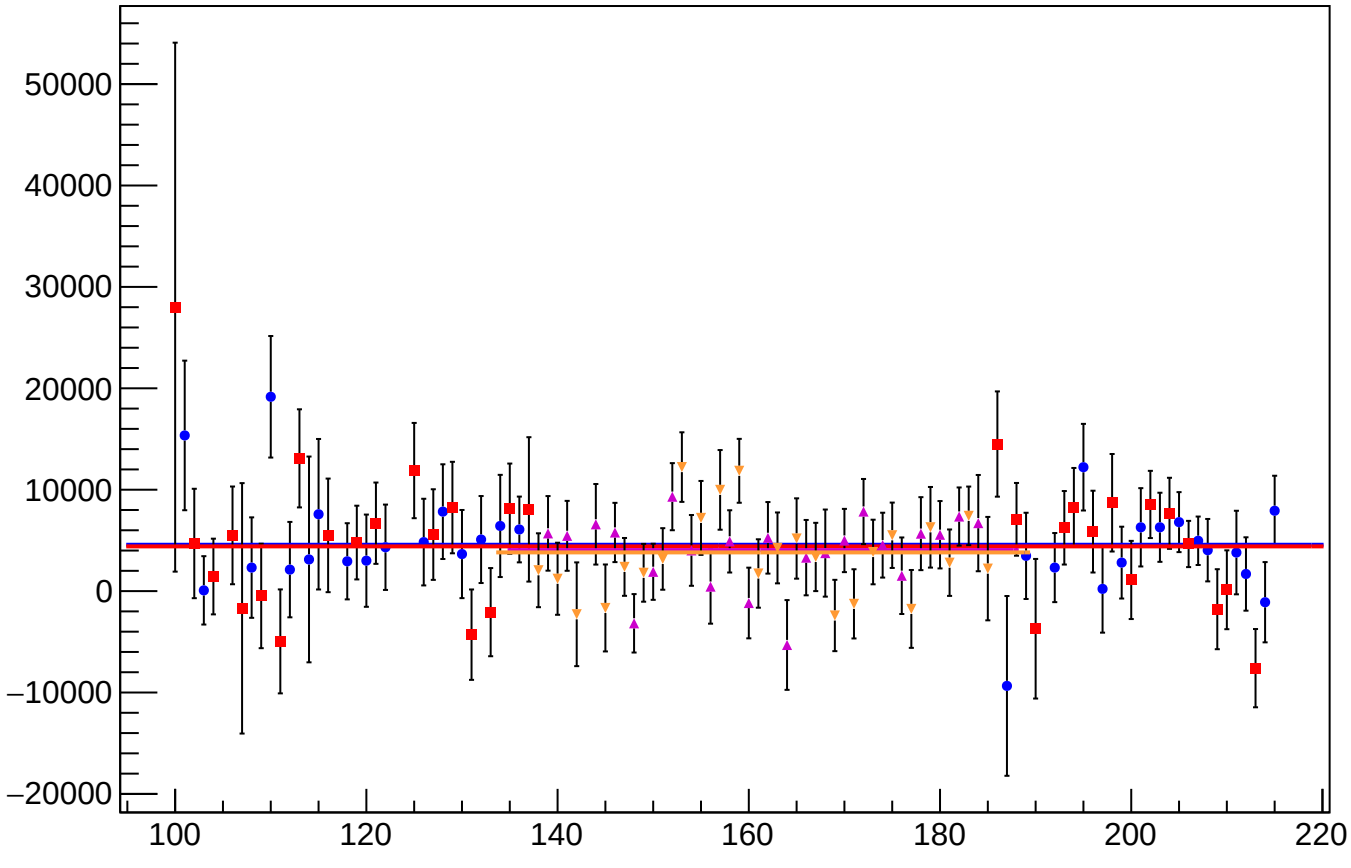
Right In: 968.415+/-0.203 χ²/NDF: 14063253.8/30
Left Out: 1970.659+/-0.333 χ²/NDF:1696658.8/23
Right Out: 813.989+/-0.185 χ²/NDF: 16901634.3/31
Left In: 1943.631+/-0.331 χ²/NDF:1882931.8/22
Left: 1957.045+/-0.235 χ²/NDF: 3582901.0/46
Right: 884.071+/-0.137 χ²/NDF: 31281035.2/62
In: 1235.001+/-0.173 χ²/NDF:22256618.6/53
Out: 1086.348+/-0.162 χ²/NDF:27800977.6/55
All: 1155.688+/-0.118 χ²/NDF: 50451434.0/



Right In: 4571.450+/-718.015 χ^2/NDF: 23.9/30

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 4410.589+/-750.195 χ^2/NDF: 44.4/31

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

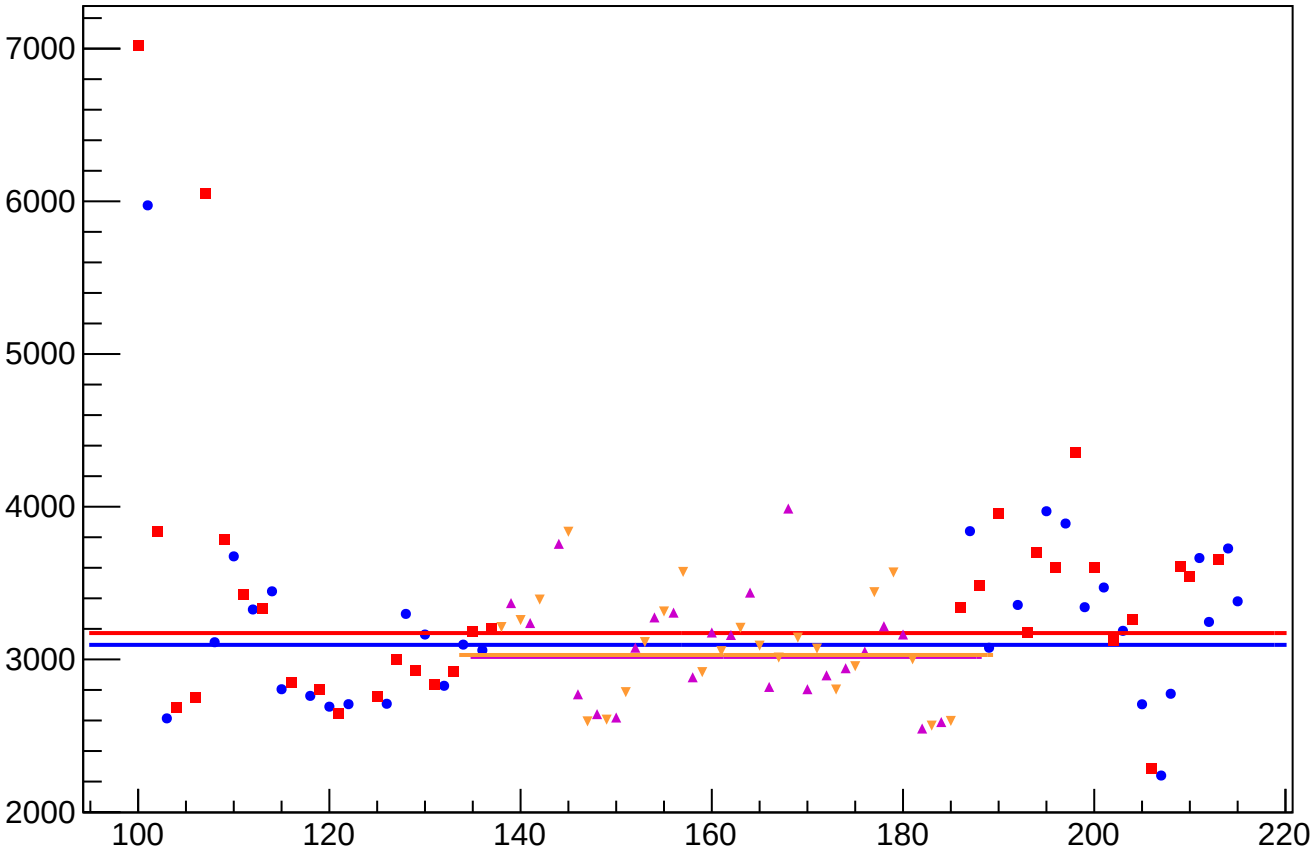
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4494.544+/-518.717 χ^2/NDF: 68.3/62

In: 4303.808+/-504.702 χ^2/NDF:46.7/53

Out: 4097.205+/-515.023 χ^2/NDF:75.6/55

All: 4202.597+/-360.472 χ^2/NDF: 122.3/109



Right In: 3095.231+/-0.508 χ^2/NDF: 1078476.2/30

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3172.541+/-0.530 χ^2/NDF: 997502.2/31

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

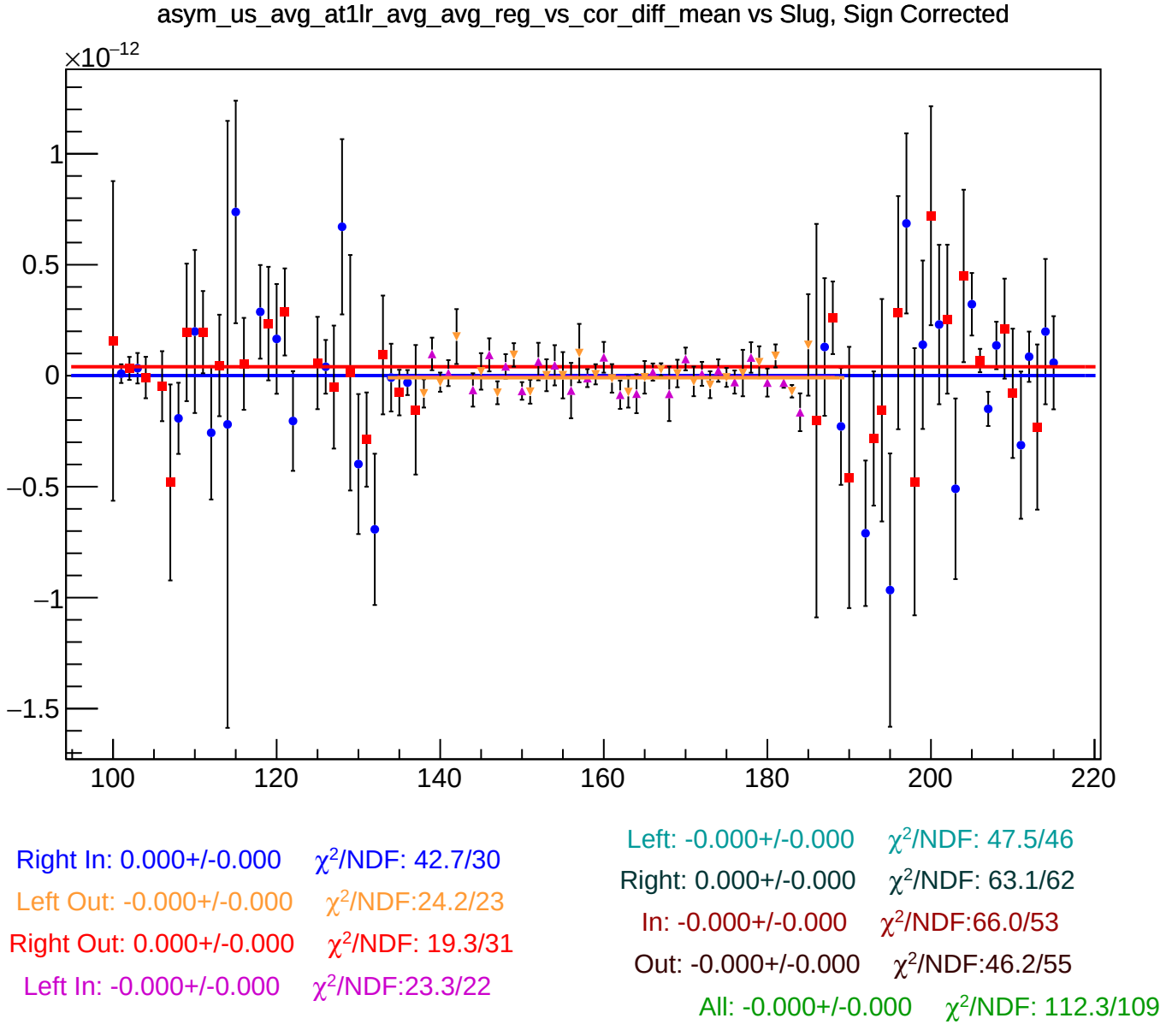
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3132.192+/-0.367 χ^2/NDF: 2087063.6/62

In: 3055.274+/-0.357 χ^2/NDF:1530616.4/53

Out: 3096.643+/-0.364 χ^2/NDF:1433333.8/55

All: 3075.540+/-0.255 χ^2/NDF: 2970532.7/10


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
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−1
−1.5
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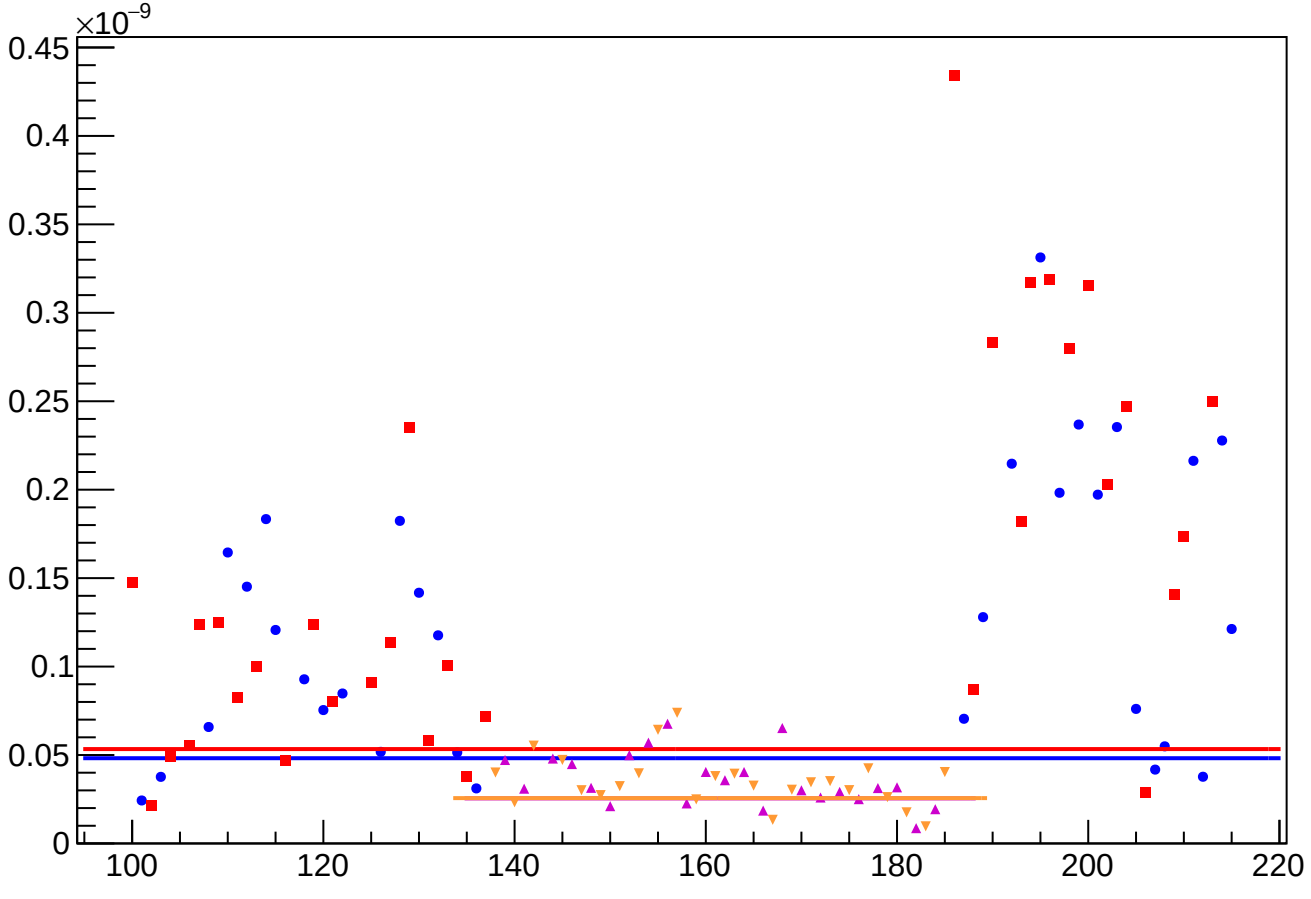
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 42.7/30
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/31
Left In: -0.000+/-0.000 χ²/NDF:23.3/22
Left: -0.000+/-0.000 χ²/NDF: 47.5/46
Right: 0.000+/-0.000 χ²/NDF: 63.1/62
In: -0.000+/-0.000 χ²/NDF:66.0/53
Out: -0.000+/-0.000 χ²/NDF:46.2/55
All: -0.000+/-0.000 χ²/NDF: 112.3/109

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6169920.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7349761.6/31

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

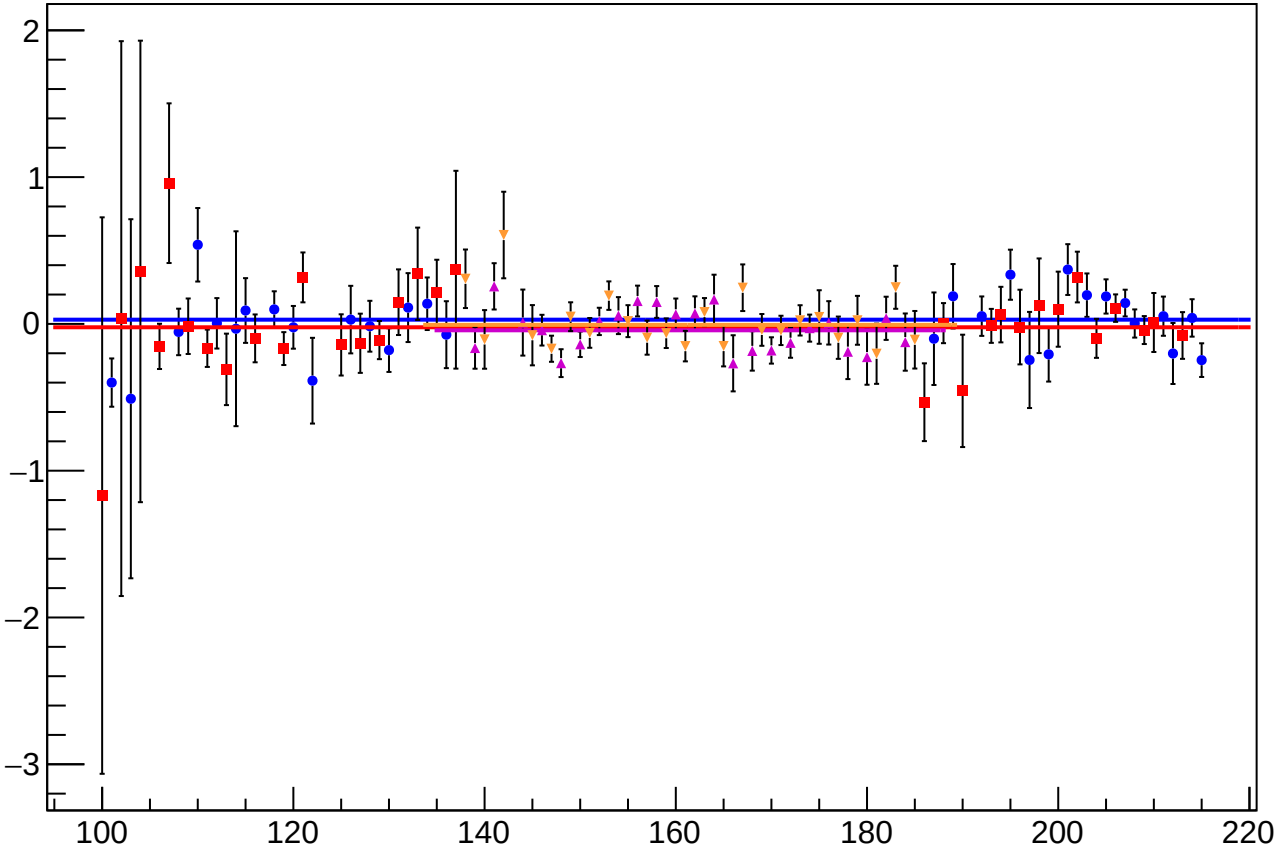
Right: 0.000+/-0.000 χ^2/NDF: 13560722.4/62

In: 0.000+/-0.000 χ^2/NDF:10520625.6/53

Out: 0.000+/-0.000 χ^2/NDF:11534480.9/55

All: 0.000+/-0.000 χ^2/NDF: 22055341.6/109

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.029 χ^2/NDF: 38.6/30

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.023+/-0.031 χ^2/NDF: 29.5/31

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

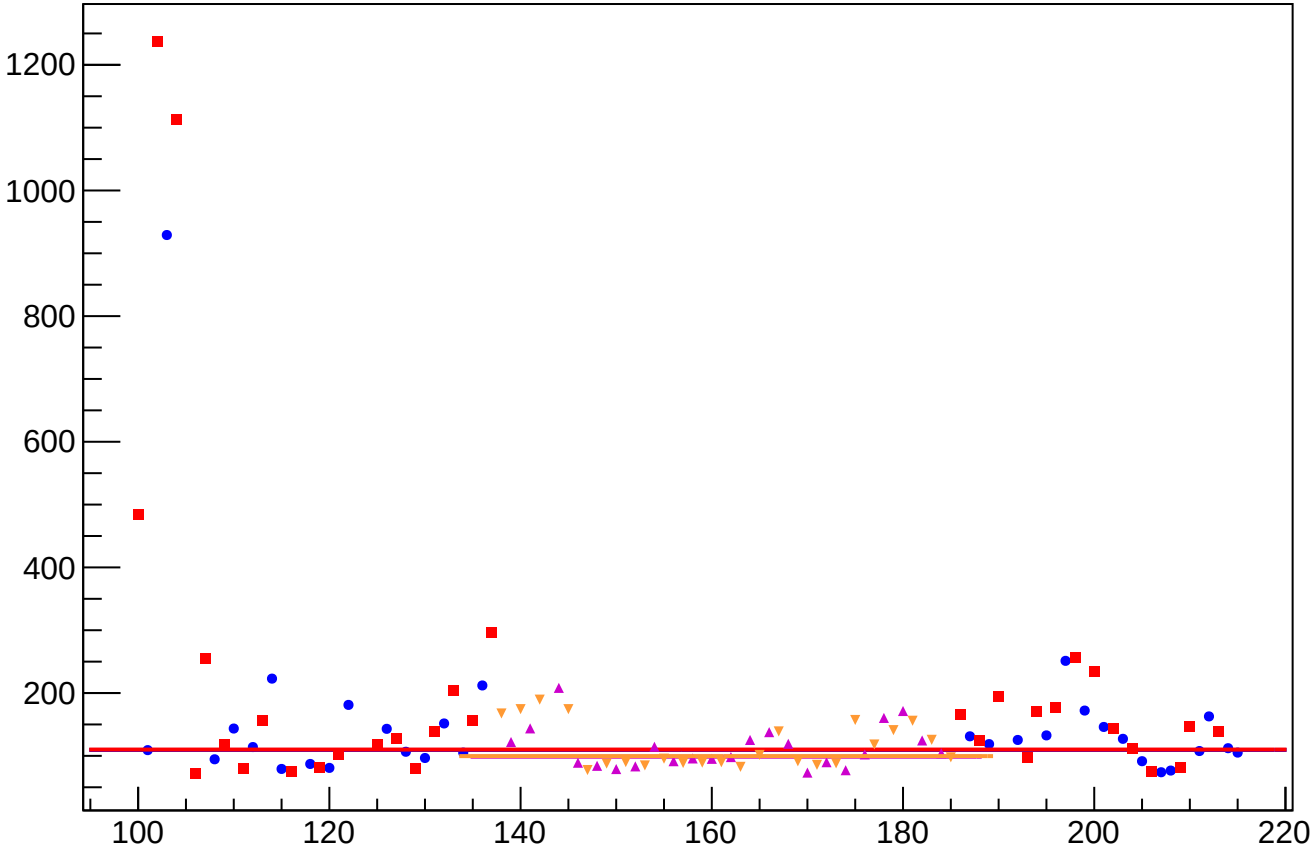
Right: 0.004+/-0.021 χ^2/NDF: 69.6/62

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.013+/-0.014 χ^2/NDF: 129.8/109

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.390+/-0.020 χ^2/NDF: 3363359.0/30

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 110.012+/-0.022 χ^2/NDF: 4993526.7/31

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

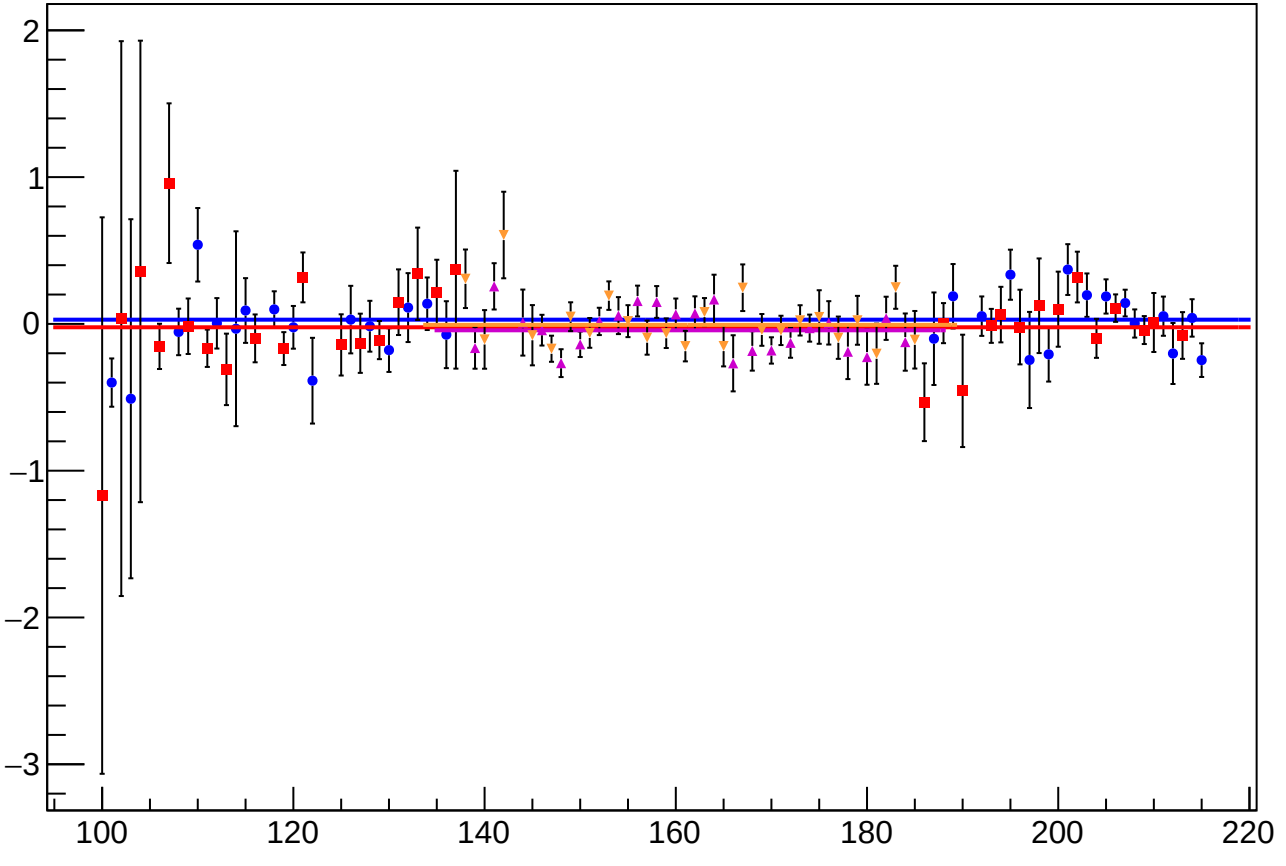
Right: 109.682+/-0.015 χ^2/NDF: 8357321.4/62

In: 103.273+/-0.013 χ^2/NDF:5523920.2/53

Out: 103.809+/-0.014 χ^2/NDF:7201709.6/55

All: 103.533+/-0.010 χ^2/NDF: 12726406.4/10

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.029 χ^2/NDF: 38.6/30

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.023+/-0.031 χ^2/NDF: 29.5/31

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

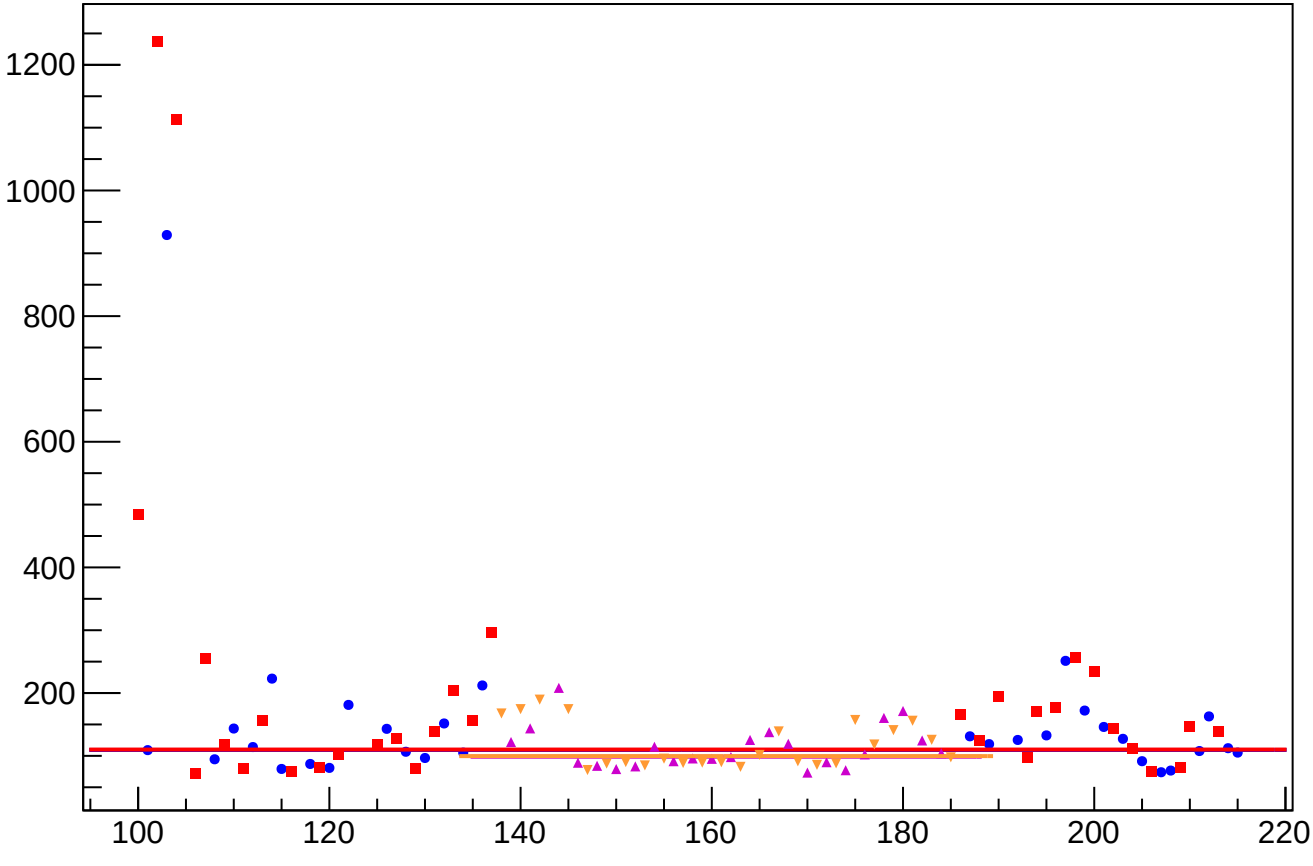
Right: 0.004+/-0.021 χ^2/NDF: 69.6/62

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.013+/-0.014 χ^2/NDF: 129.8/109

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.390+/-0.020 χ^2/NDF: 3363359.0/30

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 110.012+/-0.022 χ^2/NDF: 4993526.7/31

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

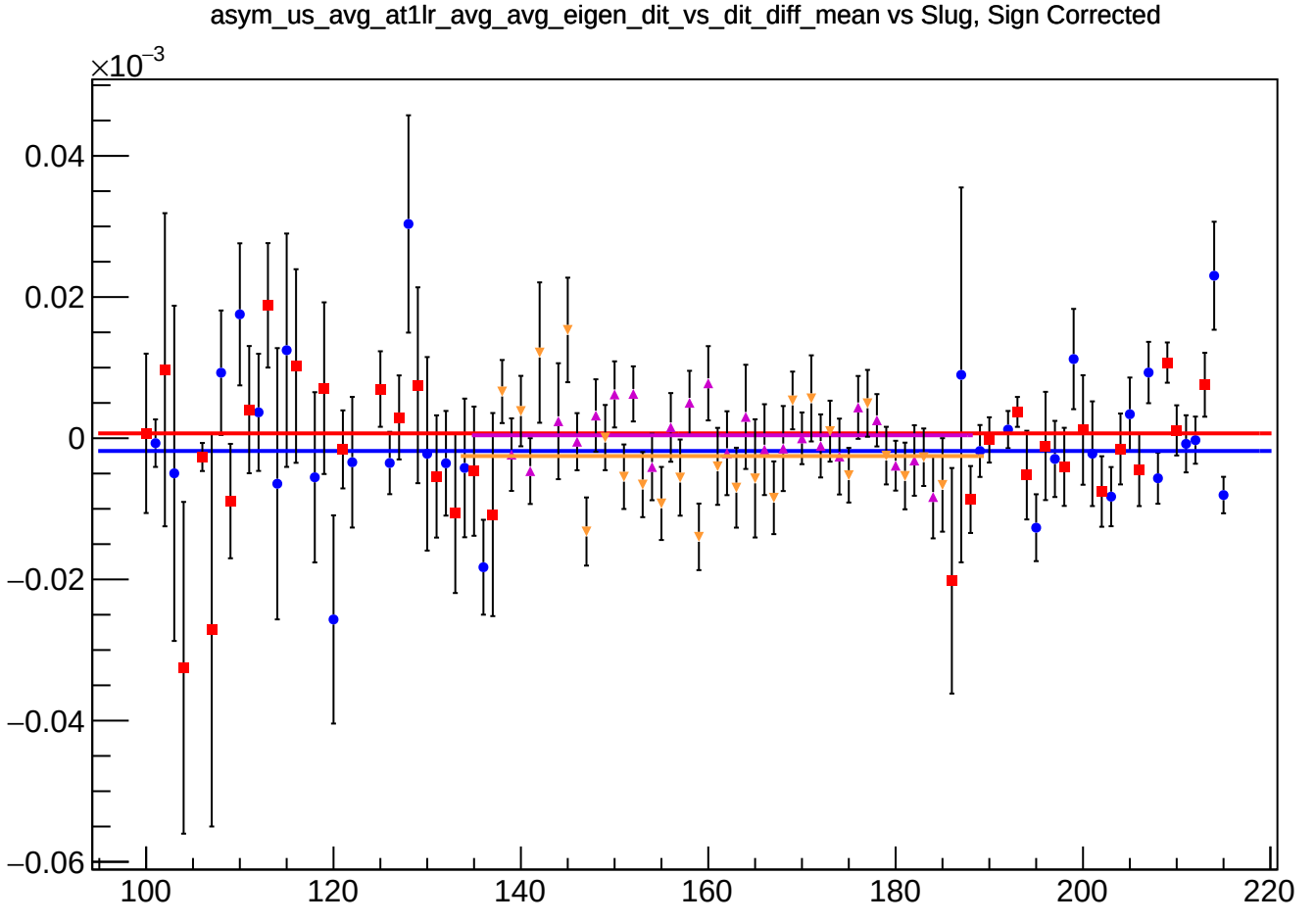
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 109.682+/-0.015 χ^2/NDF: 8357321.4/62

In: 103.273+/-0.013 χ^2/NDF:5523920.2/53

Out: 103.809+/-0.014 χ^2/NDF:7201709.6/55

All: 103.533+/-0.010 χ^2/NDF: 12726406.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 57.9/30

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 45.0/31

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

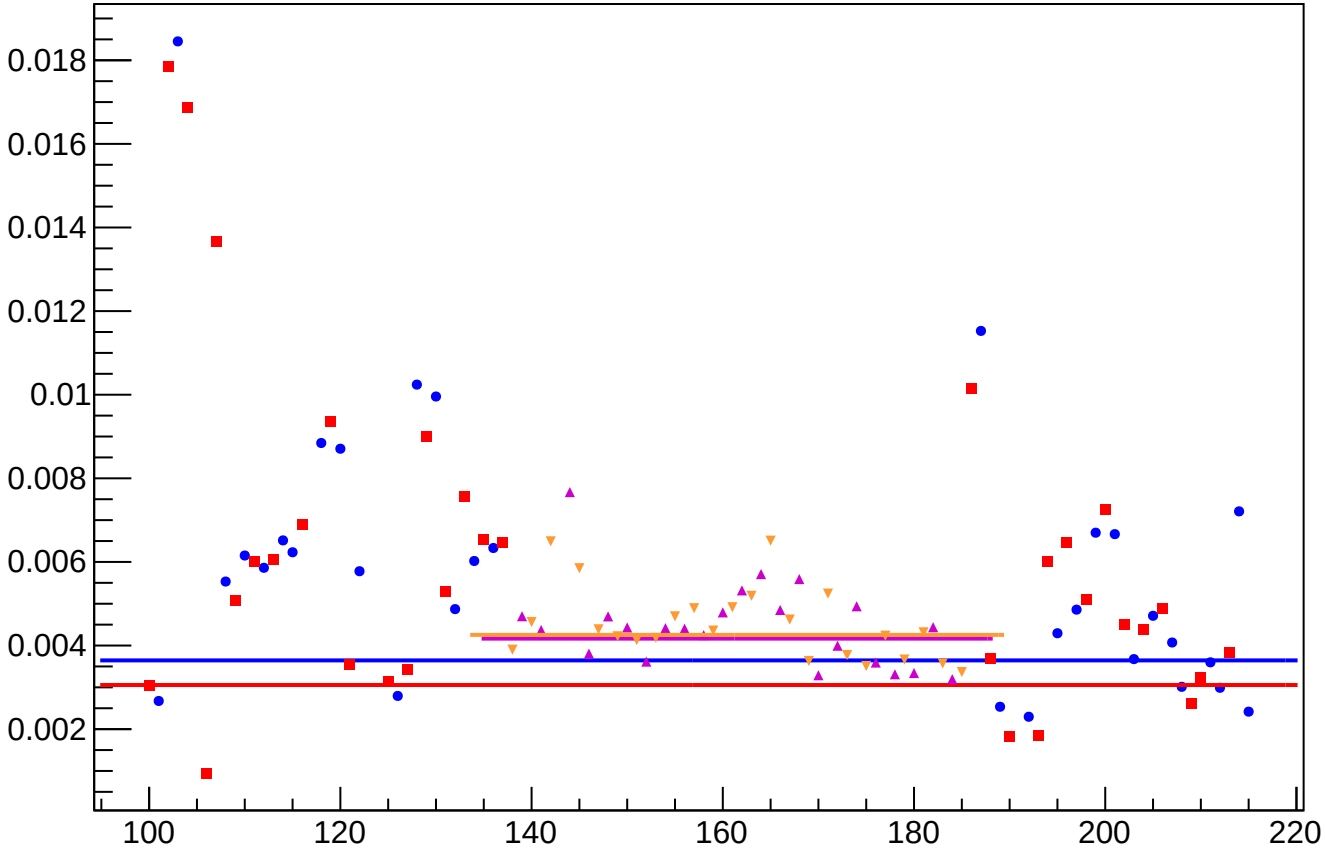
Right: -0.000+/-0.000 χ^2/NDF: 106.7/62

In: -0.000+/-0.000 χ^2/NDF:76.5/53

Out: -0.000+/-0.000 χ^2/NDF:90.9/55

All: -0.000+/-0.000 χ^2/NDF: 167.4/109

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: 6317632.1/30

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10404246.8/31

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

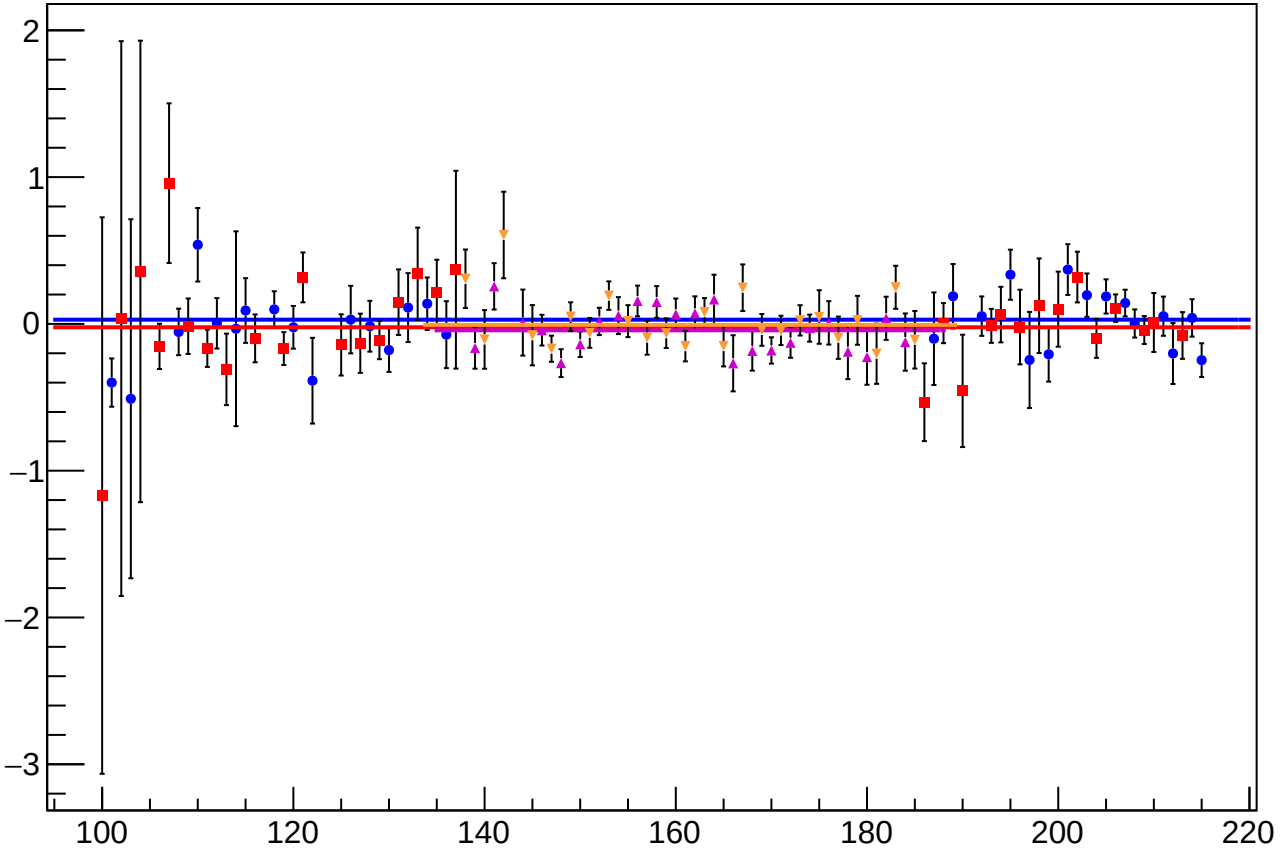
Right: 0.003+/-0.000 χ^2/NDF: 17142260.6/62

In: 0.004+/-0.000 χ^2/NDF:7886790.1/53

Out: 0.004+/-0.000 χ^2/NDF:12835088.7/55

All: 0.004+/-0.000 χ^2/NDF: 20942120.4/109

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.029 χ^2/NDF: 38.6/30

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.023+/-0.031 χ^2/NDF: 29.5/31

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

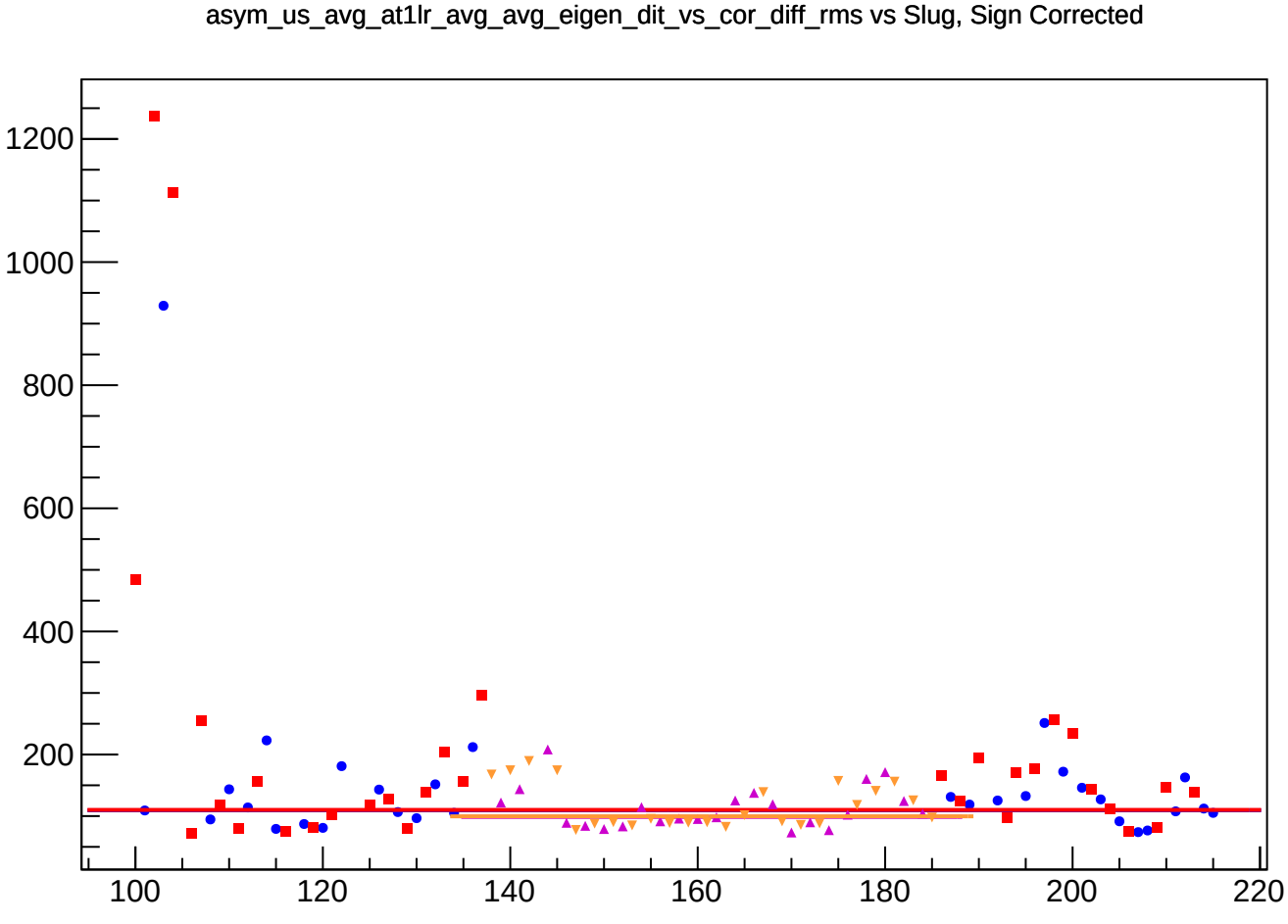
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.004+/-0.021 χ^2/NDF: 69.6/62

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.013+/-0.014 χ^2/NDF: 129.8/109



Right In: 109.390+/-0.020 χ^2/NDF: 3363284.1/30

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 110.012+/-0.022 χ^2/NDF: 4993500.8/31

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

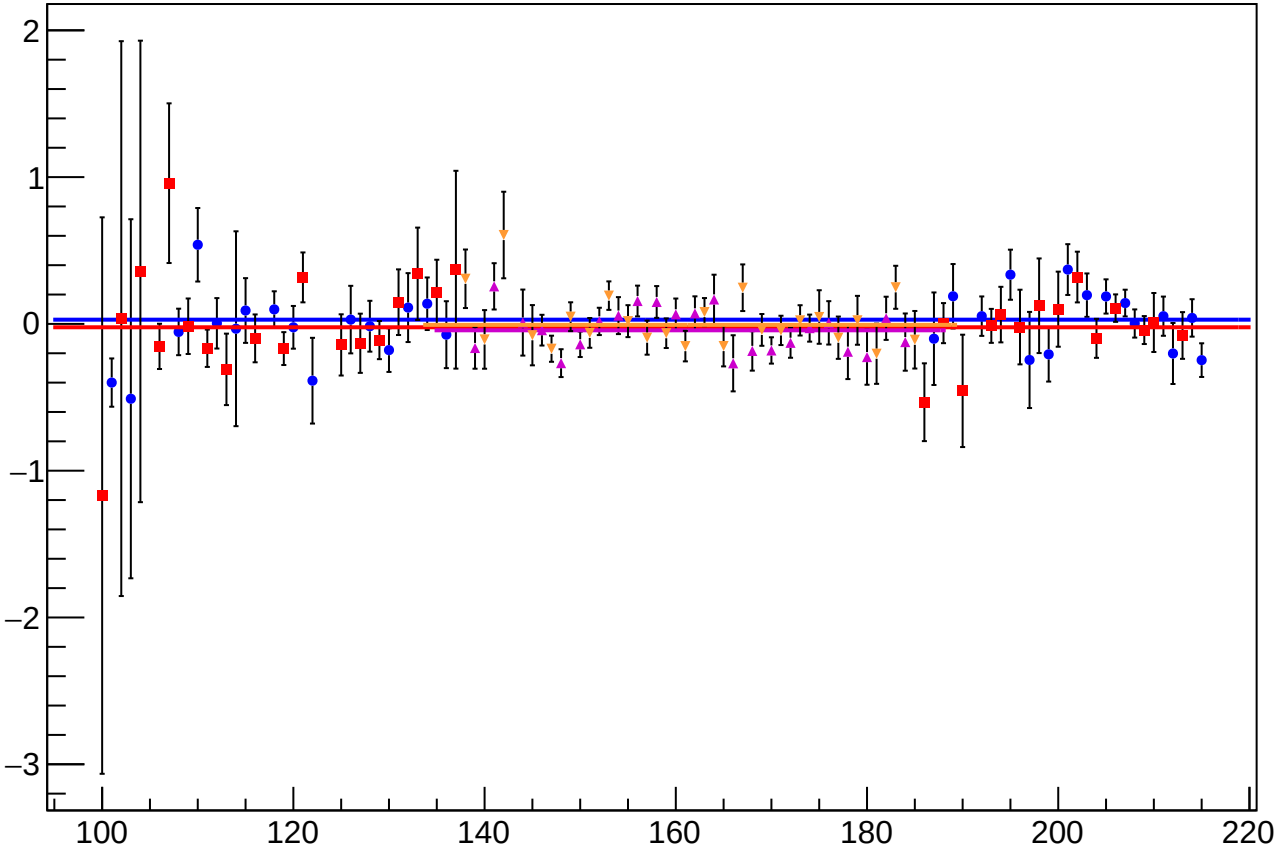
Right: 109.682+/-0.015 χ^2/NDF: 8357220.3/62

In: 103.274+/-0.013 χ^2/NDF:5523800.5/53

Out: 103.810+/-0.014 χ^2/NDF:7201623.5/55

All: 103.533+/-0.010 χ^2/NDF: 12726201.0/10

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.029 χ^2/NDF: 38.6/30

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.023+/-0.031 χ^2/NDF: 29.5/31

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

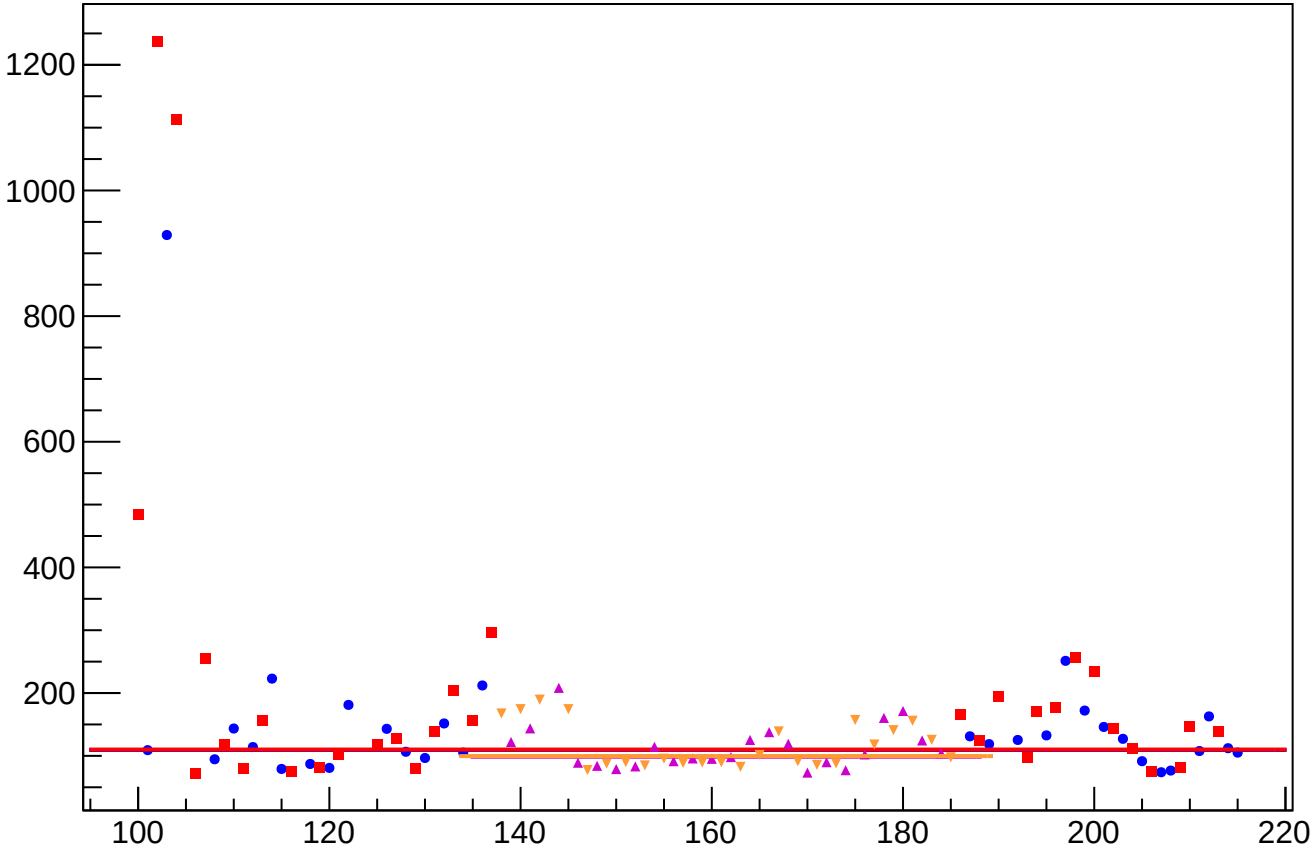
Right: 0.004+/-0.021 χ^2/NDF: 69.6/62

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.013+/-0.020 χ^2/NDF:57.4/55

All: -0.013+/-0.014 χ^2/NDF: 129.8/109

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.390+/-0.020 χ^2/NDF: 3363284.1/30

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 110.012+/-0.022 χ^2/NDF: 4993500.8/31

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

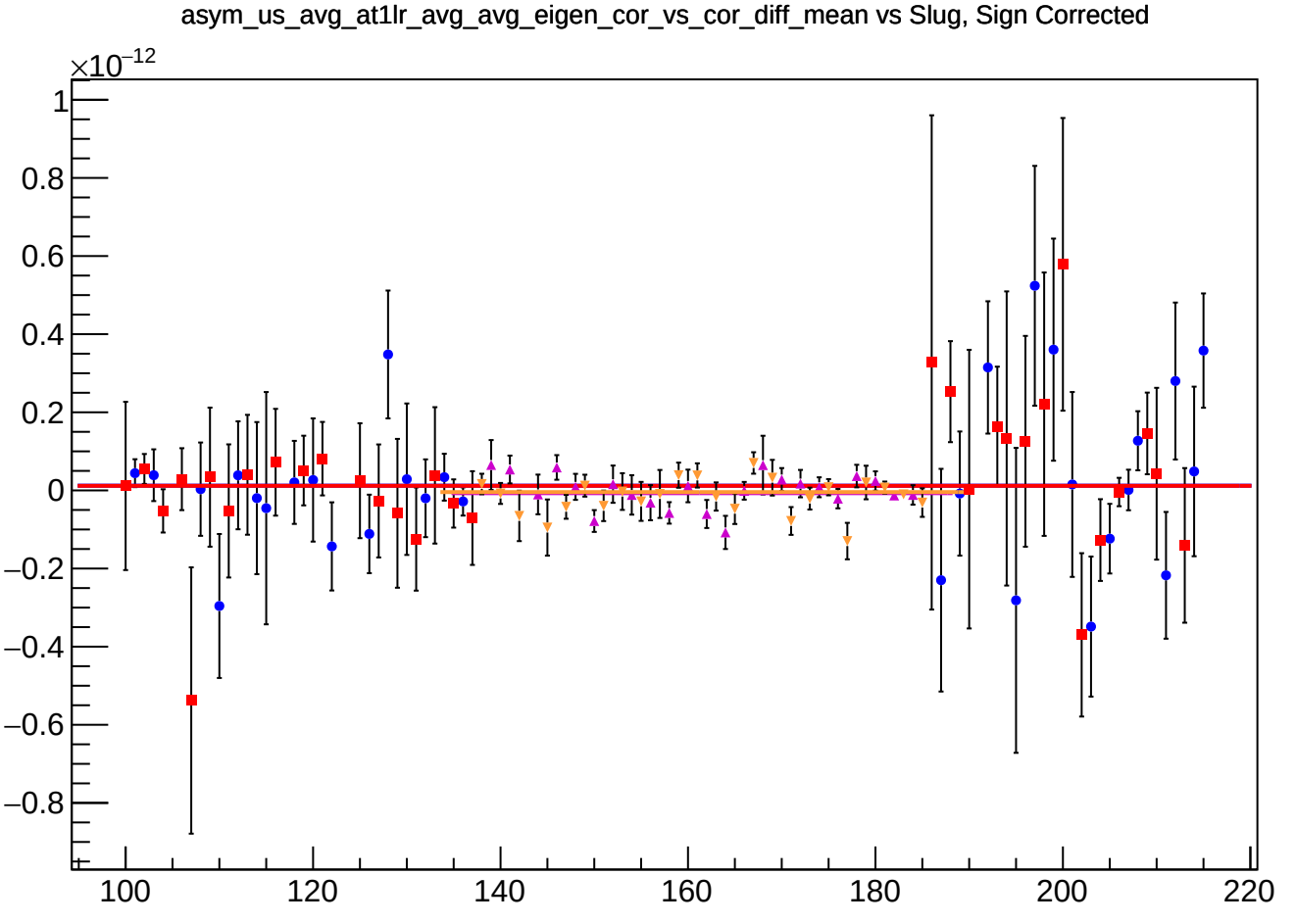
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

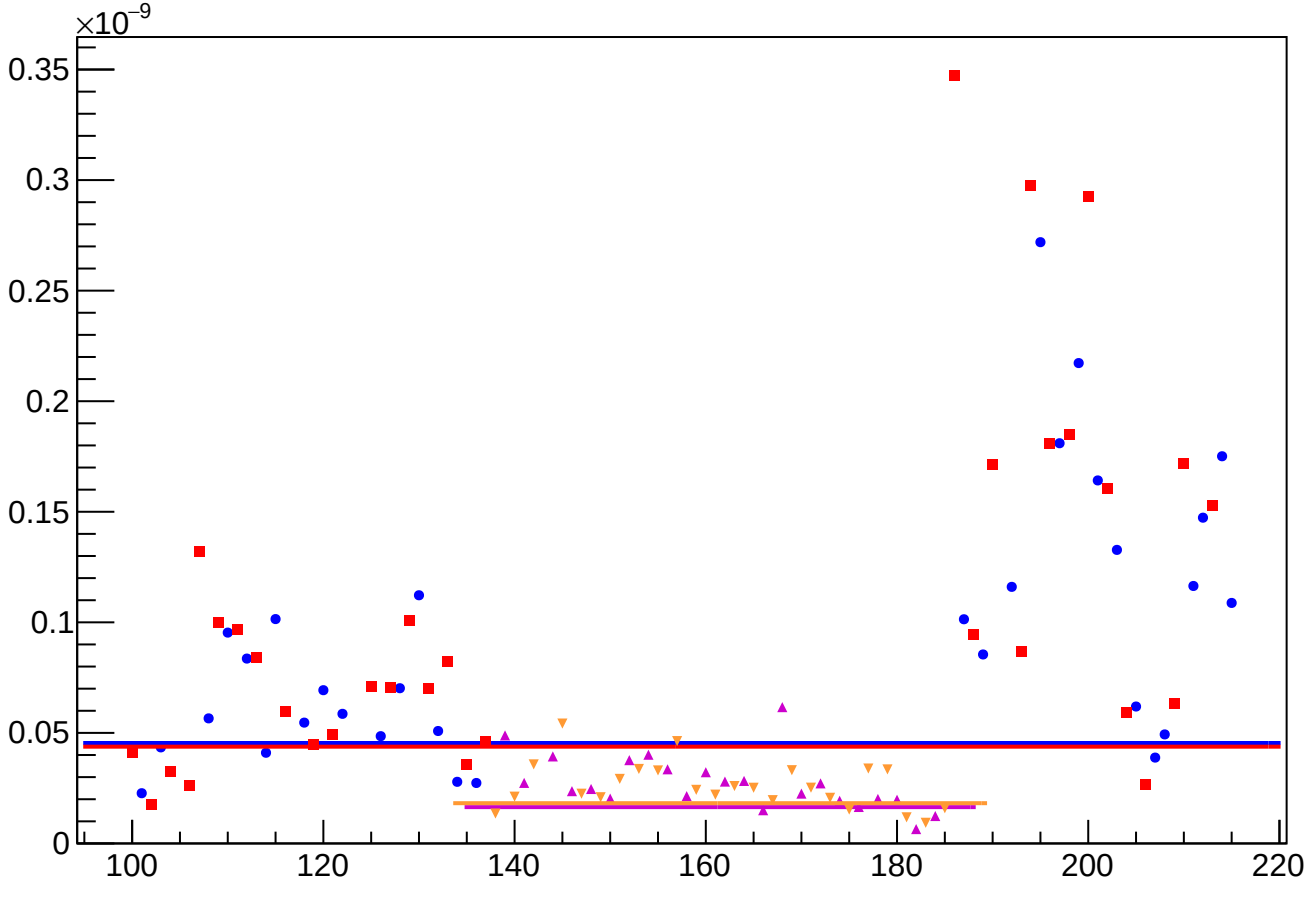
Right: 109.682+/-0.015 χ^2/NDF: 8357220.3/62

In: 103.274+/-0.013 χ^2/NDF:5523800.5/53

Out: 103.810+/-0.014 χ^2/NDF:7201623.5/55

All: 103.533+/-0.010 χ^2/NDF: 12726201.0/10


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 39.9/30
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.9/31
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 63.8/62
In: -0.000+/-0.000 χ²/NDF:76.3/53
Out: -0.000+/-0.000 χ²/NDF:57.6/55
All: -0.000+/-0.000 χ²/NDF: 134.1/109



Right In: 0.000+/-0.000 χ^2/NDF: 7667289.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8634725.9/31

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

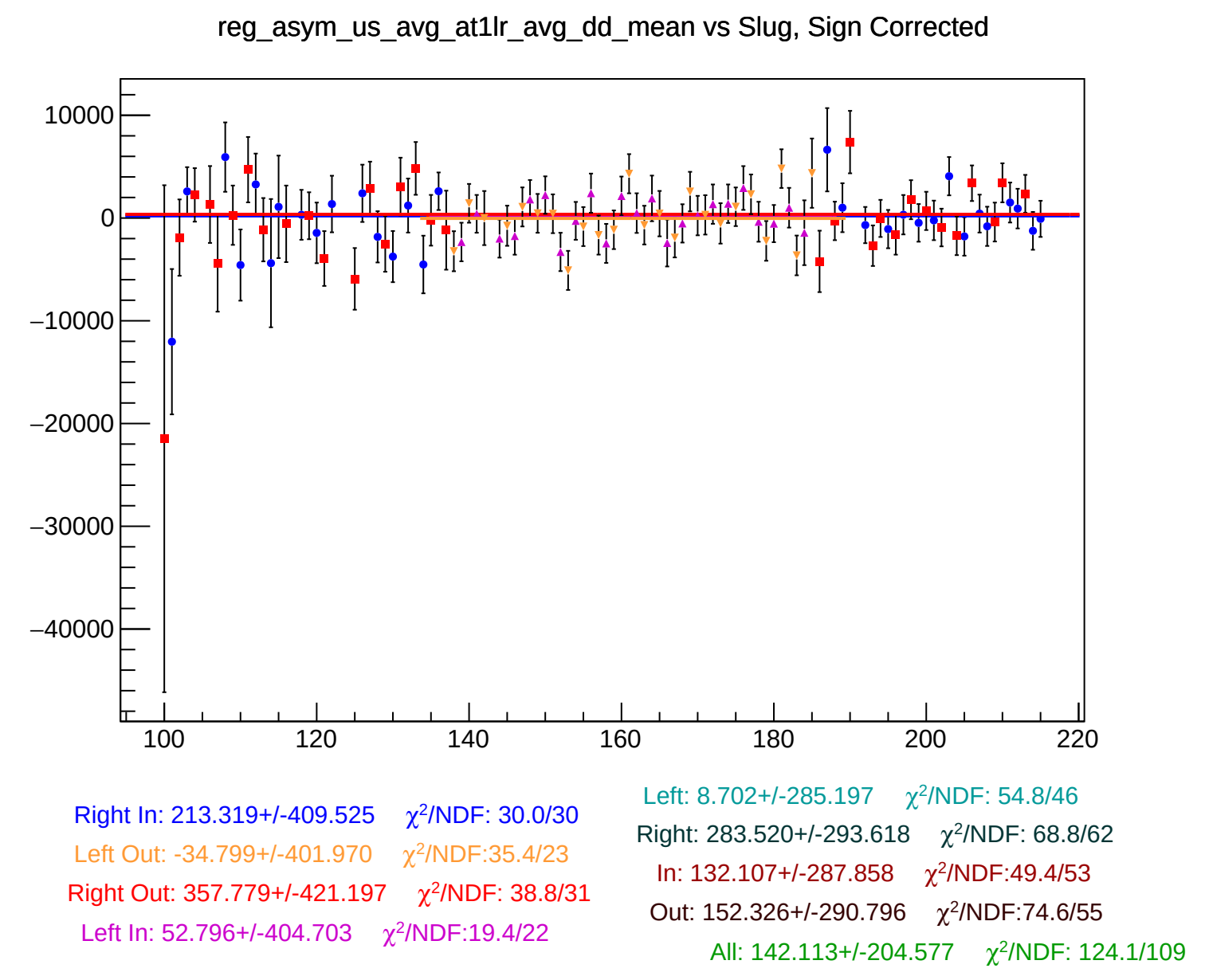
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

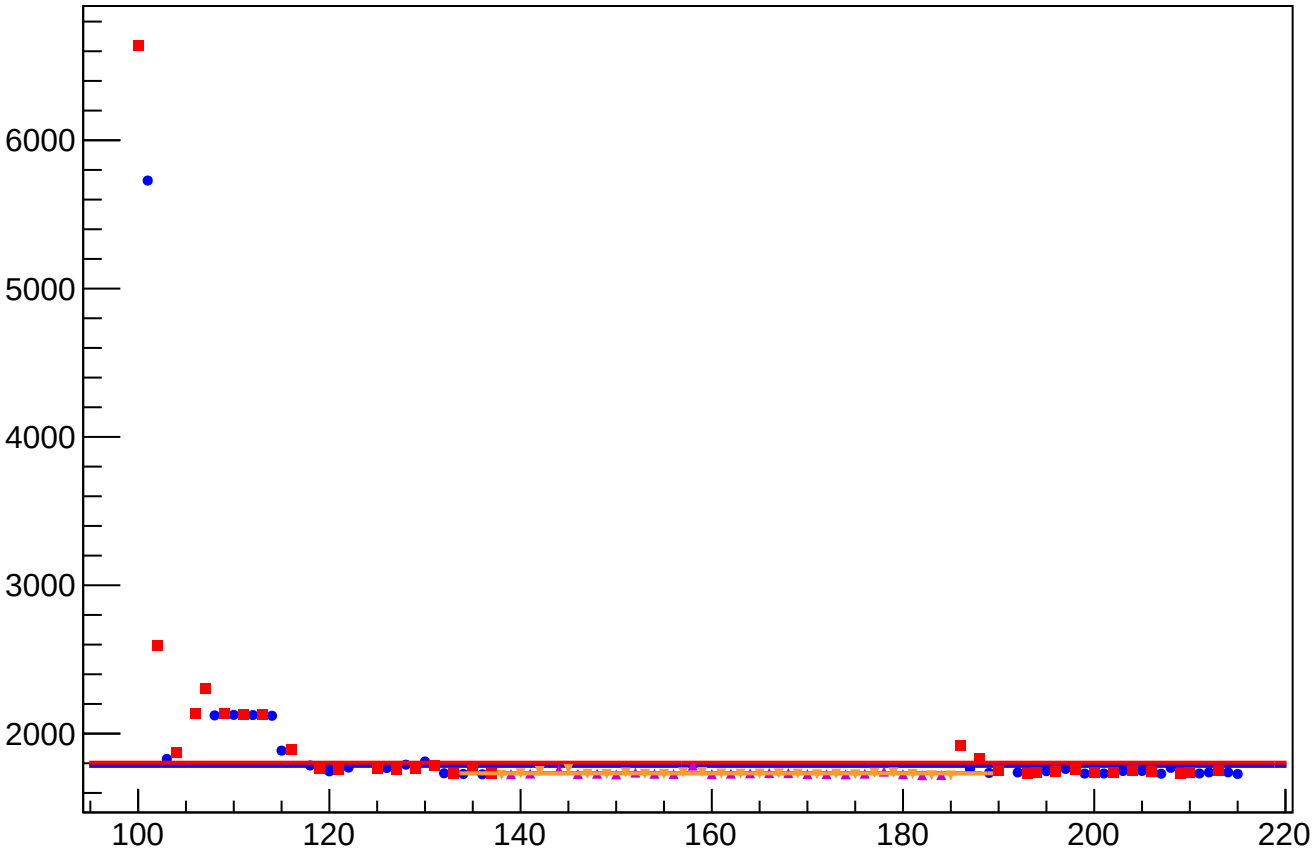
Right: 0.000+/-0.000 χ^2/NDF: 16311588.3/62

In: 0.000+/-0.000 χ^2/NDF:20269408.0/53

Out: 0.000+/-0.000 χ^2/NDF:16825165.3/55

All: 0.000+/-0.000 χ^2/NDF: 37173253.2/109


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: 213.319+/-409.525 χ²/NDF: 30.0/30
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: 357.779+/-421.197 χ²/NDF: 38.8/31
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 283.520+/-293.618 χ²/NDF: 68.8/62
In: 132.107+/-287.858 χ²/NDF:49.4/53
Out: 152.326+/-290.796 χ²/NDF:74.6/55
All: 142.113+/-204.577 χ²/NDF: 124.1/109



Right In: 1782.621+/-0.290 χ^2/NDF: 714473.8/30

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1804.000+/-0.298 χ^2/NDF: 312752.2/31

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

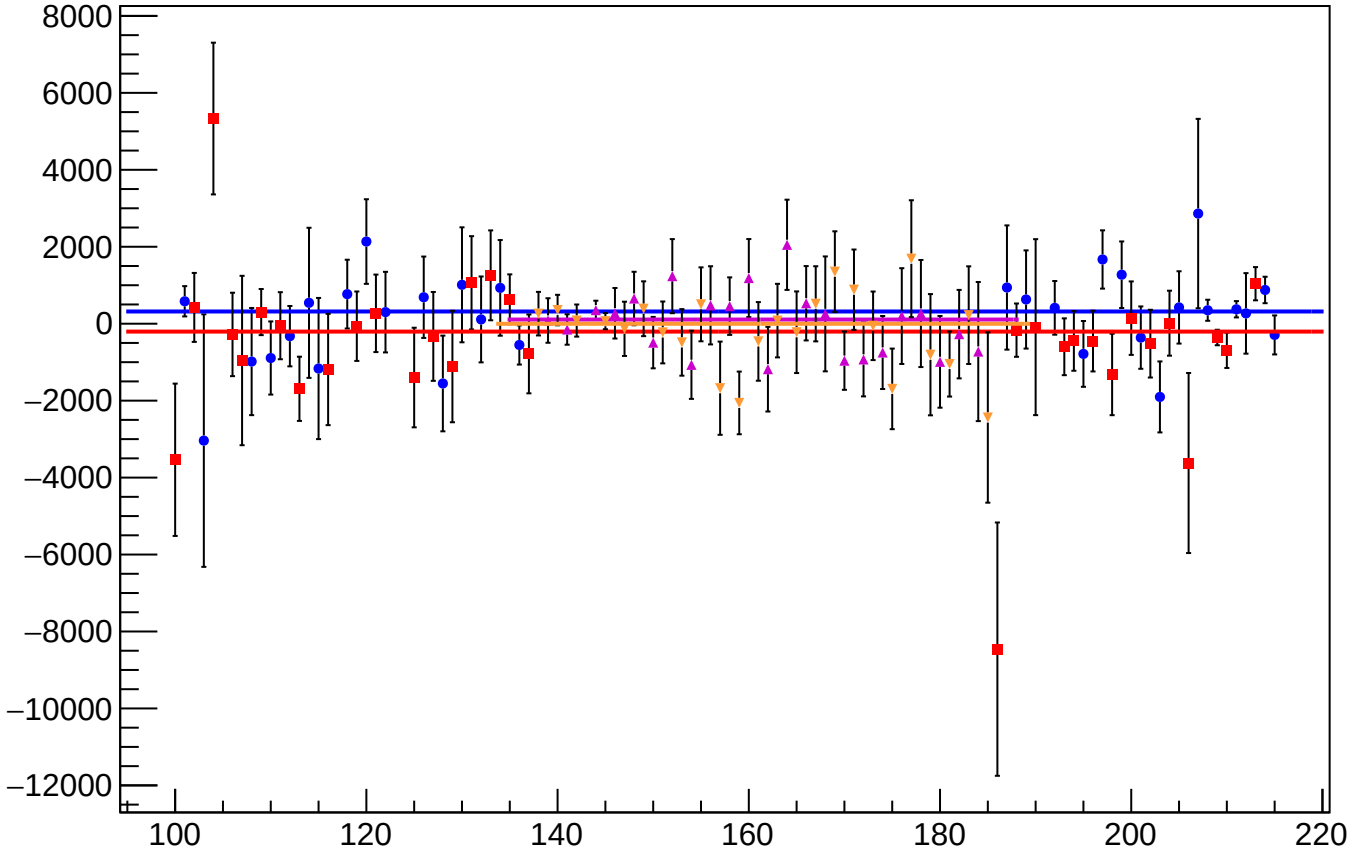
Right: 1793.010+/-0.208 χ^2/NDF: 1029874.6/62

In: 1757.676+/-0.204 χ^2/NDF:731371.5/53

Out: 1766.311+/-0.206 χ^2/NDF:344287.2/55

All: 1761.950+/-0.145 χ^2/NDF: 1076549.5/10

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 317.551+/-111.135 χ^2/NDF: 32.2/30

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -204.970+/-124.359 χ^2/NDF: 42.2/31

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

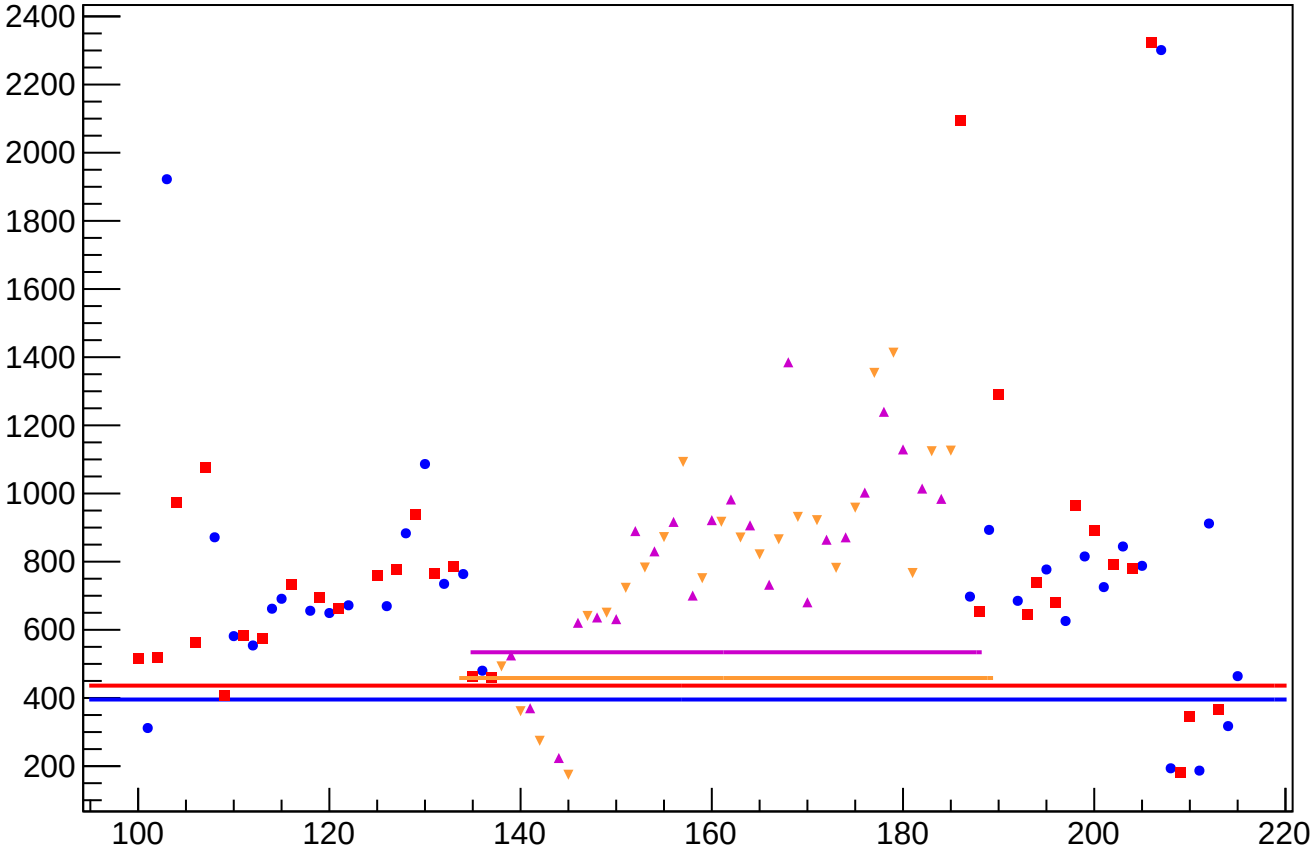
Right: 85.539+/-82.867 χ^2/NDF: 84.2/62

In: 239.005+/-87.823 χ^2/NDF:50.5/53

Out: -108.218+/-89.880 χ^2/NDF:63.8/55

All: 69.412+/-62.815 χ^2/NDF: 121.9/109

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 395.501+/-0.079 χ^2/NDF: 10478667.6/30

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 436.264+/-0.088 χ^2/NDF: 9545905.2/31

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

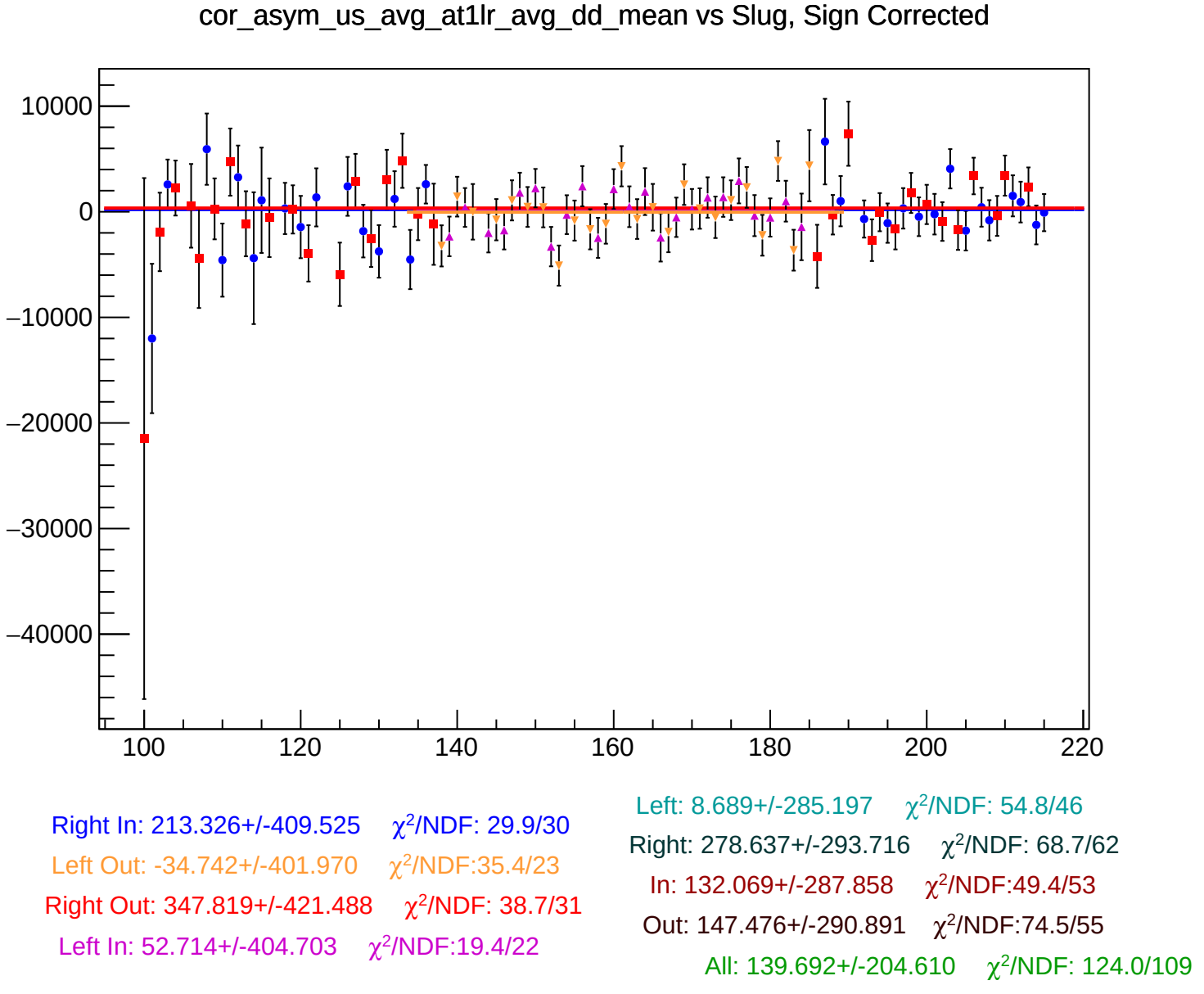
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

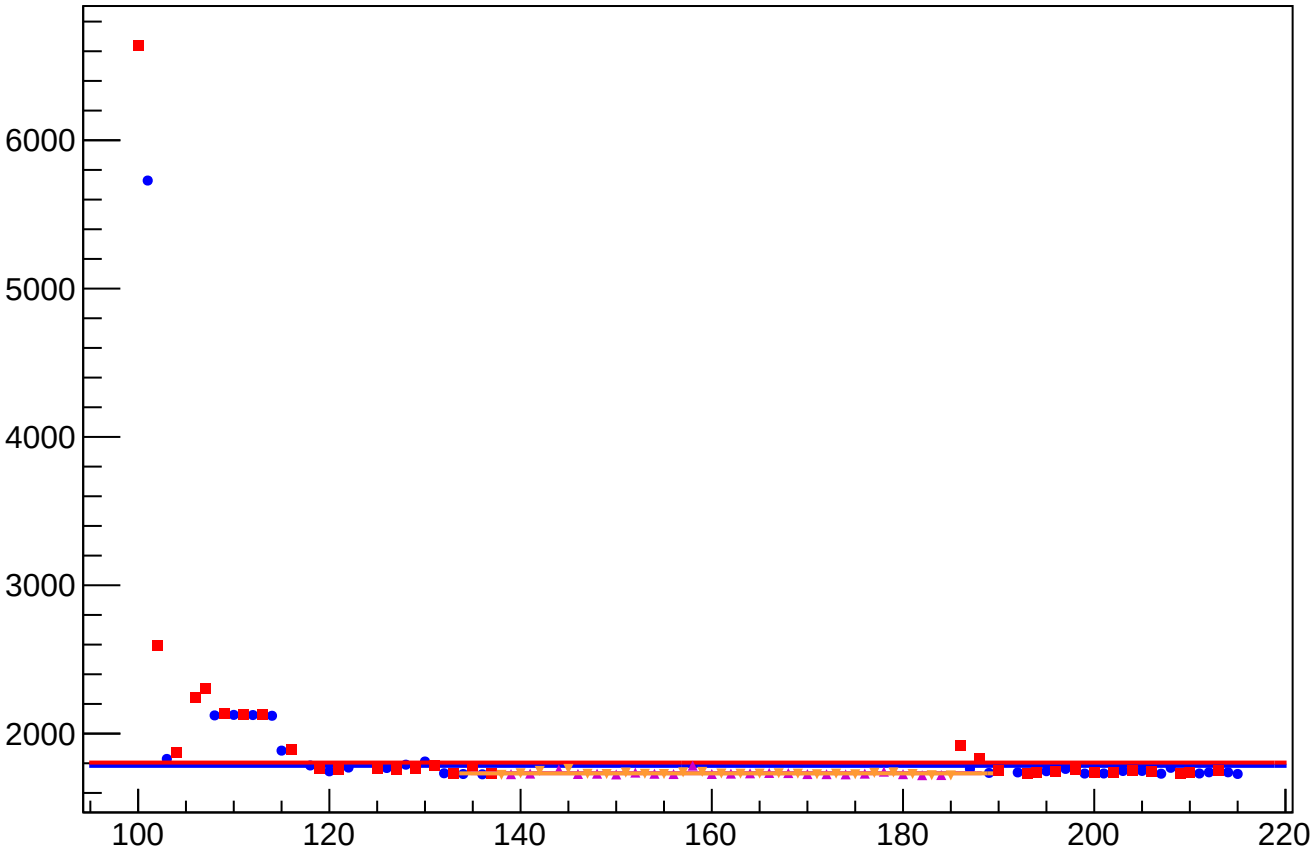
Right: 413.601+/-0.059 χ^2/NDF: 20144047.3/62

In: 447.571+/-0.062 χ^2/NDF:20091095.6/53

Out: 446.923+/-0.064 χ^2/NDF:21003396.9/55

All: 447.254+/-0.044 χ^2/NDF: 41094545.8/10


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 213.326+/-409.525 χ²/NDF: 29.9/30
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 347.819+/-421.488 χ²/NDF: 38.7/31
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 278.637+/-293.716 χ²/NDF: 68.7/62
In: 132.069+/-287.858 χ²/NDF:49.4/53
Out: 147.476+/-290.891 χ²/NDF:74.5/55
All: 139.692+/-204.610 χ²/NDF: 124.0/109



Right In: 1782.621+/-0.290 χ^2/NDF: 714473.6/30

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1804.729+/-0.298 χ^2/NDF: 321324.6/31

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

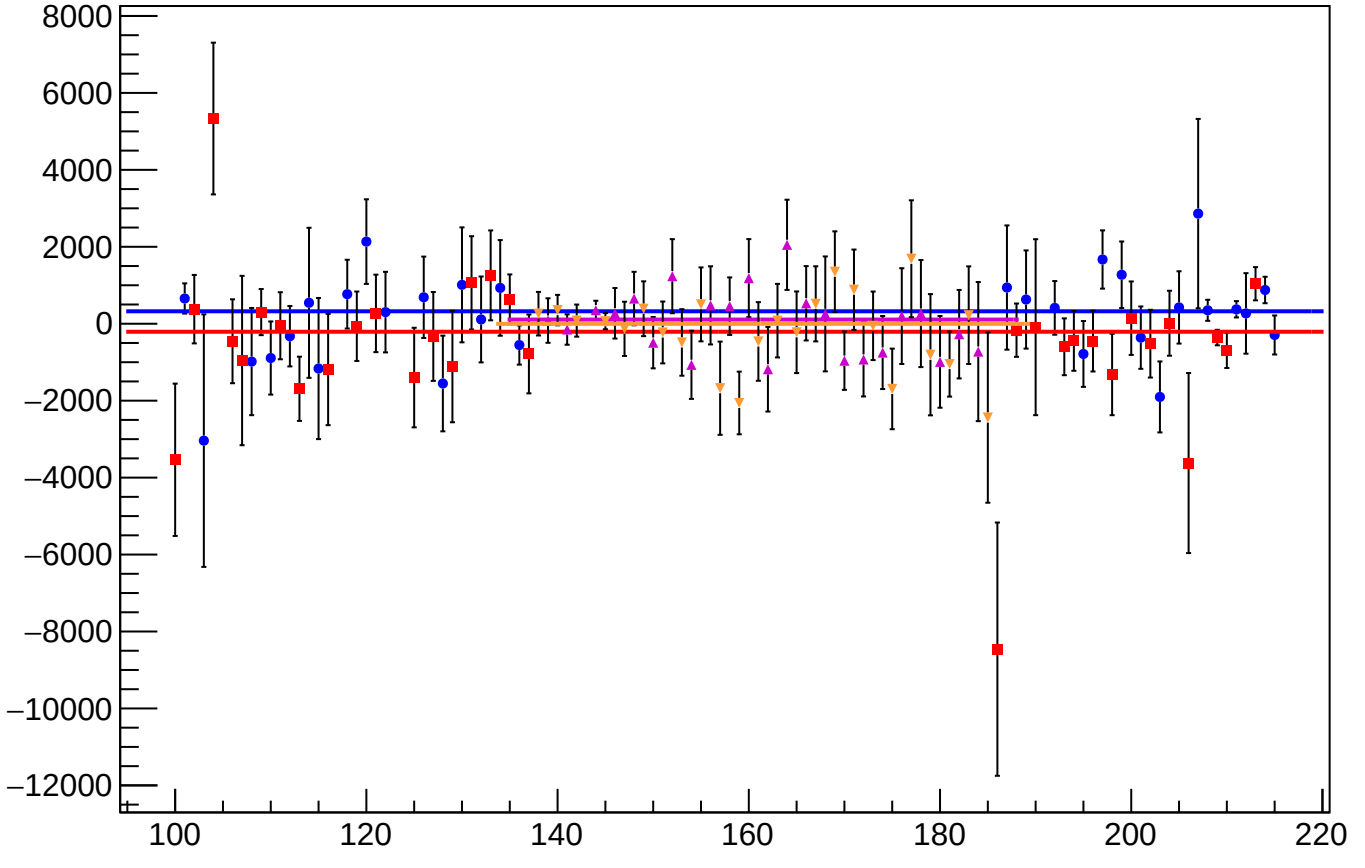
Right: 1793.357+/-0.208 χ^2/NDF: 1038628.5/62

In: 1757.676+/-0.204 χ^2/NDF:731371.4/53

Out: 1766.634+/-0.206 χ^2/NDF:353459.3/55

All: 1762.108+/-0.145 χ^2/NDF: 1085788.8/10

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 323.515+/-111.121 χ^2/NDF: 32.5/30

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -208.029+/-124.347 χ^2/NDF: 42.2/31

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

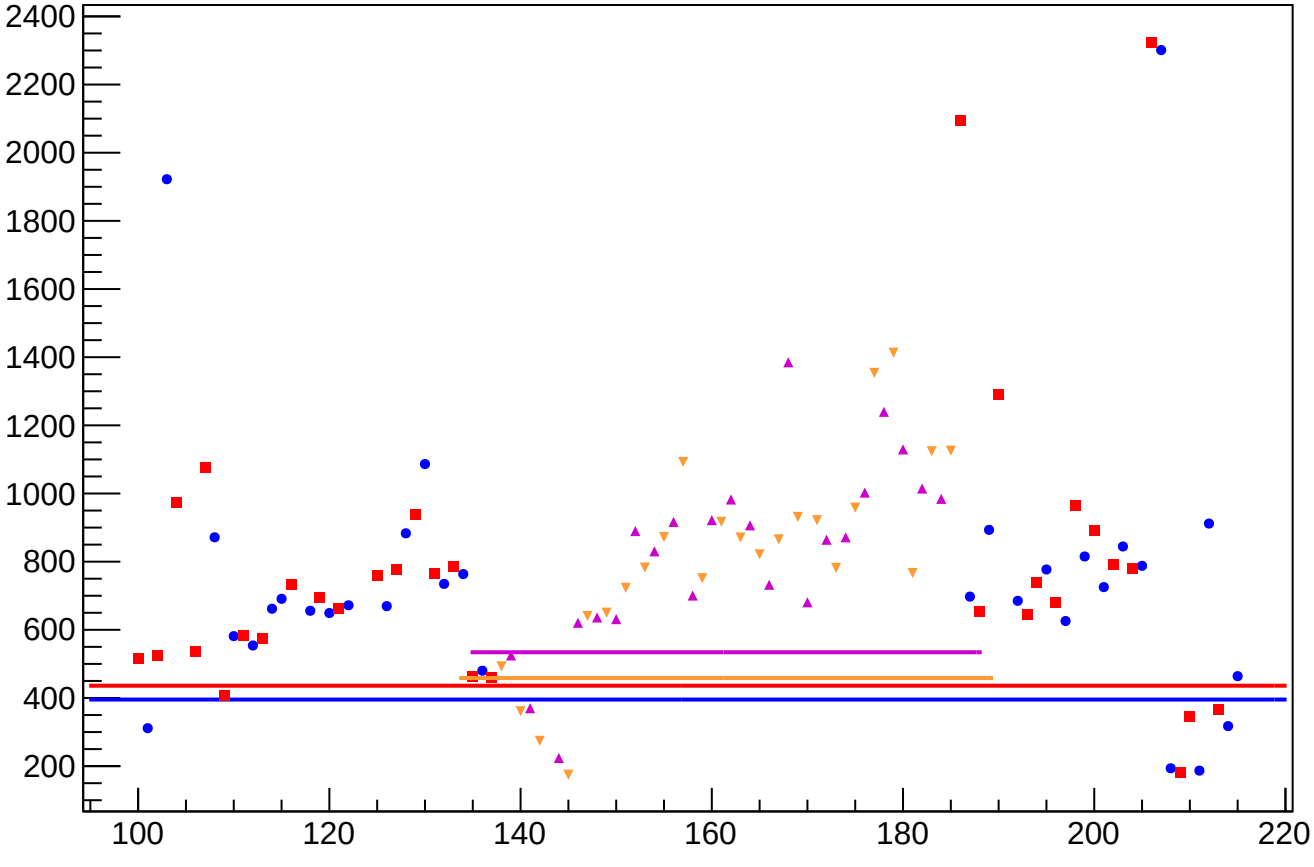
Right: 87.505+/-82.857 χ^2/NDF: 84.8/62

In: 242.732+/-87.816 χ^2/NDF:50.9/53

Out: -109.886+/-89.876 χ^2/NDF:63.8/55

All: 70.510+/-62.811 χ^2/NDF: 122.5/109

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 395.424+/-0.079 χ^2/NDF: 10480969.1/30

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 436.029+/-0.088 χ^2/NDF: 9539306.9/31

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

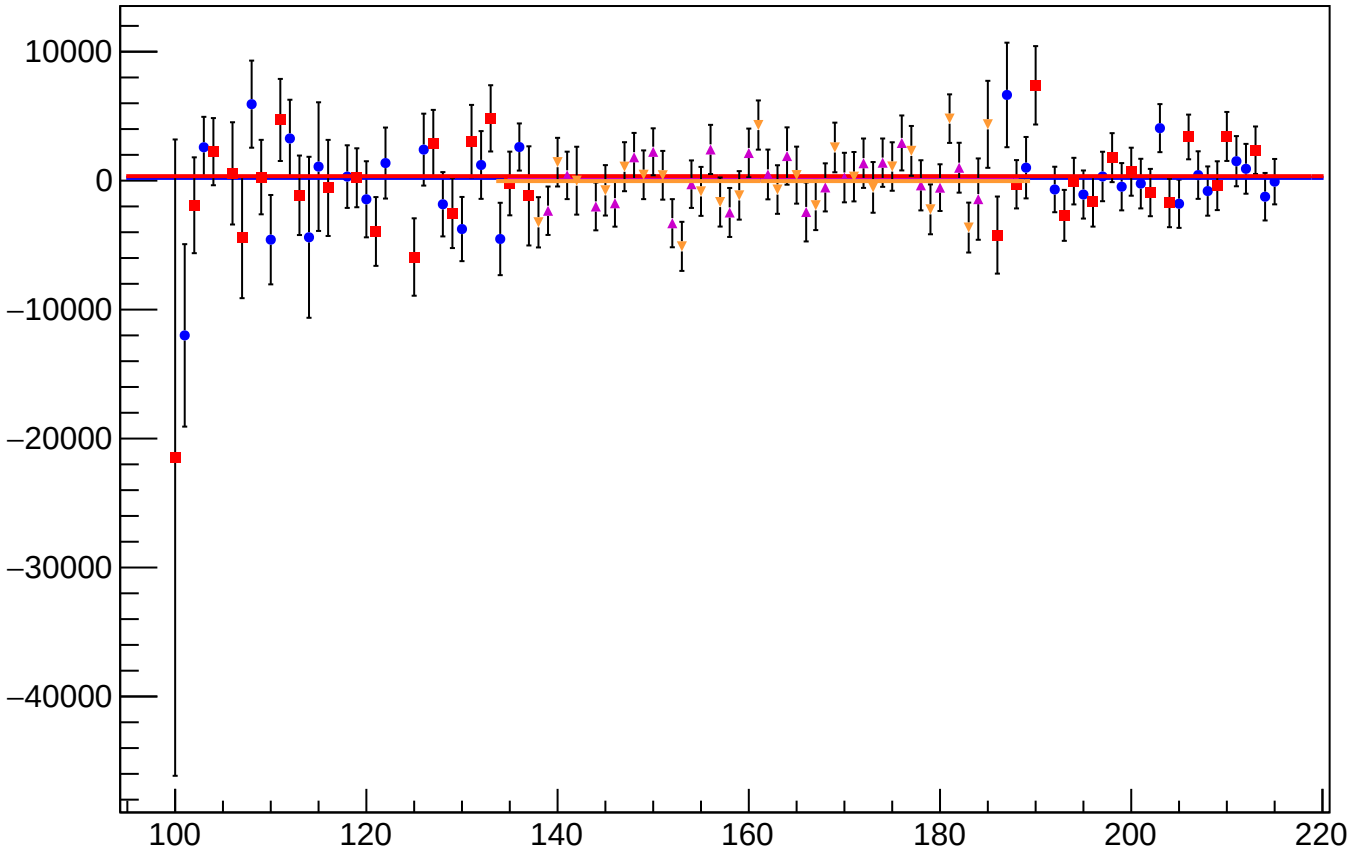
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 413.453+/-0.059 χ^2/NDF: 20138854.0/62

In: 447.517+/-0.062 χ^2/NDF:20094459.6/53

Out: 446.804+/-0.064 χ^2/NDF:20997065.3/55

All: 447.169+/-0.044 χ^2/NDF: 41091589.4/10



Right In: 213.326+/-409.525 χ^2/NDF: 29.9/30

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 347.819+/-421.488 χ^2/NDF: 38.7/31

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

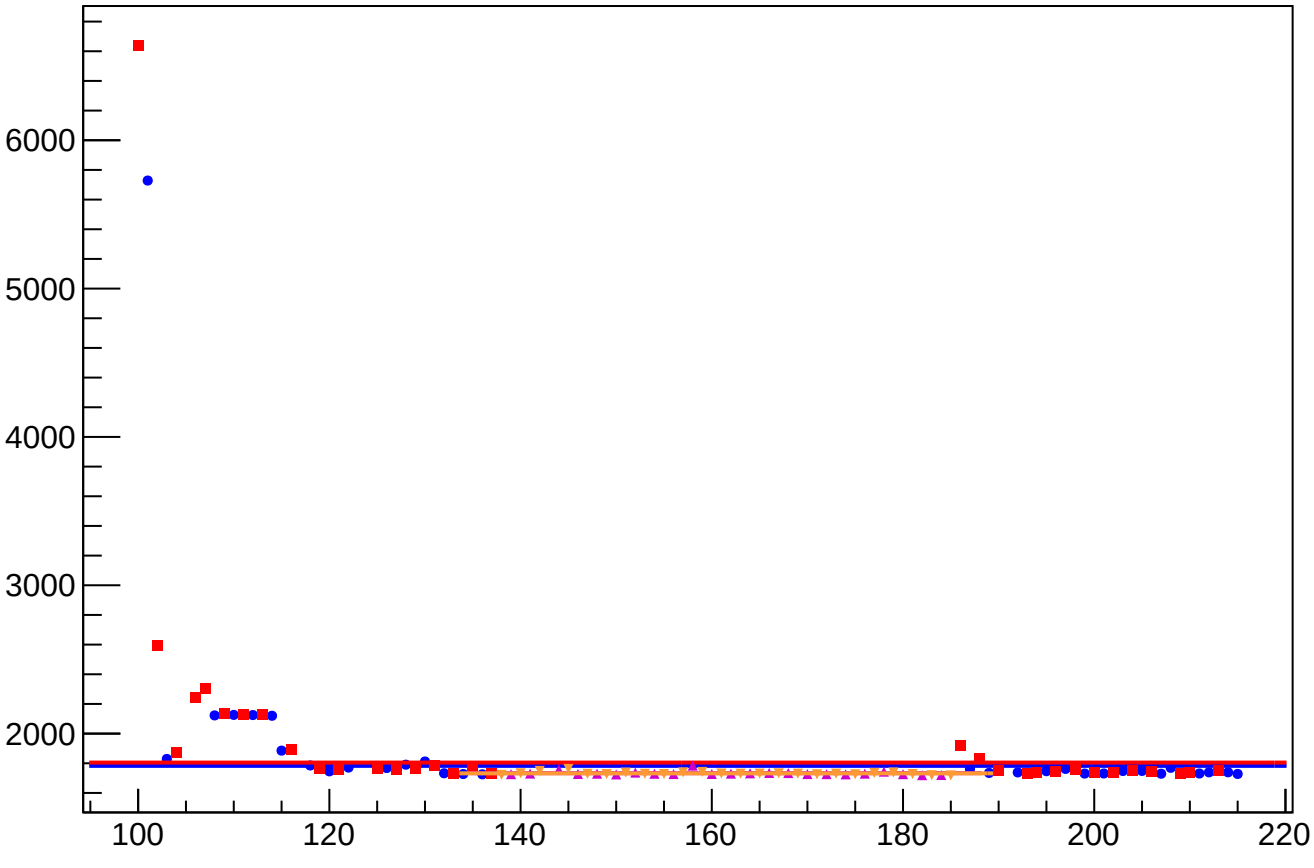
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 278.637+/-293.716 χ^2/NDF: 68.7/62

In: 132.069+/-287.858 χ^2/NDF:49.4/53

Out: 147.476+/-290.891 χ^2/NDF:74.5/55

All: 139.692+/-204.610 χ^2/NDF: 124.0/109



Right In: 1782.621+/-0.290 χ^2/NDF: 714473.6/30

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1804.729+/-0.298 χ^2/NDF: 321324.6/31

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

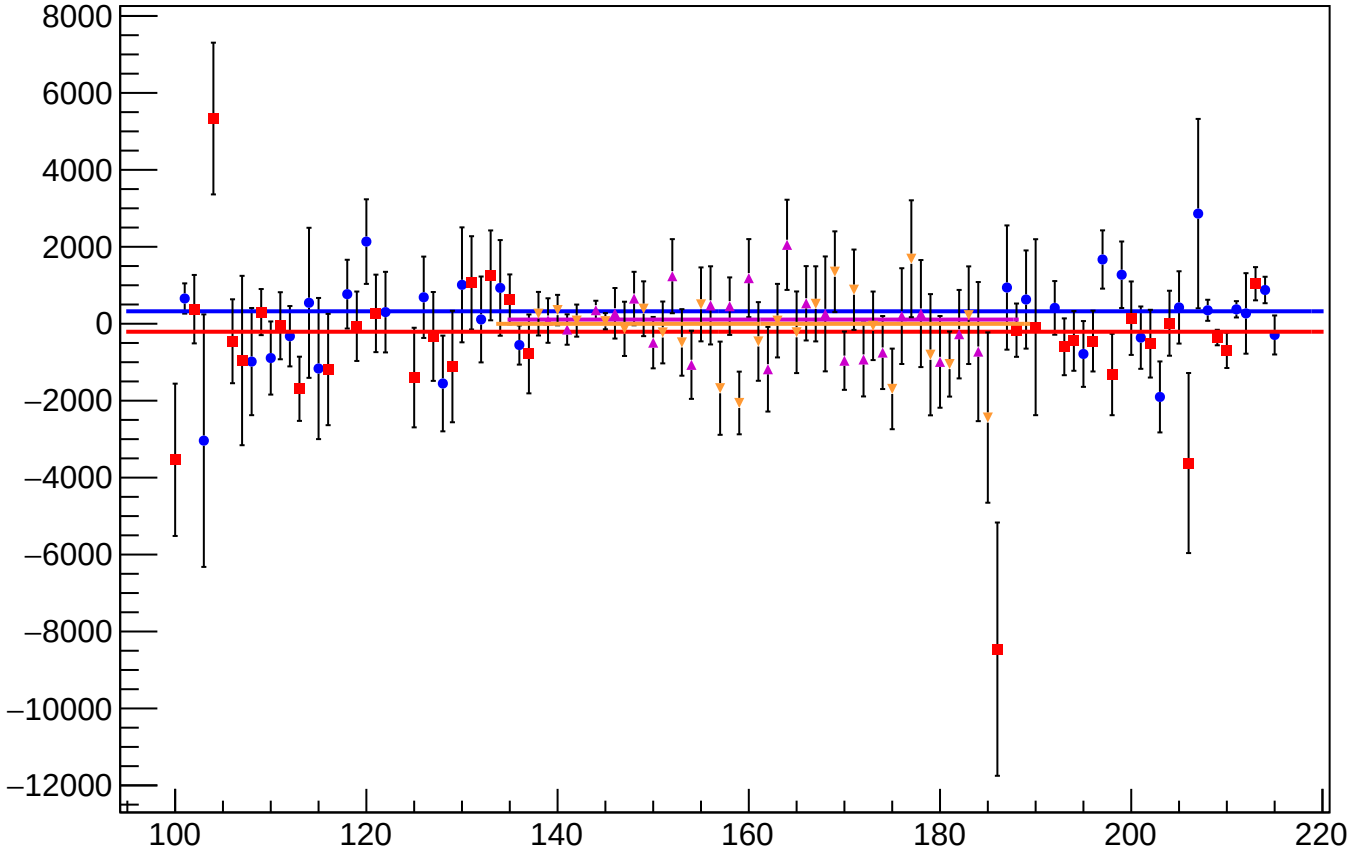
Right: 1793.357+/-0.208 χ^2/NDF: 1038628.5/62

In: 1757.676+/-0.204 χ^2/NDF:731371.4/53

Out: 1766.634+/-0.206 χ^2/NDF:353459.3/55

All: 1762.108+/-0.145 χ^2/NDF: 1085788.8/10

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 323.515+/-111.121 χ^2/NDF: 32.5/30

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -208.029+/-124.347 χ^2/NDF: 42.2/31

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

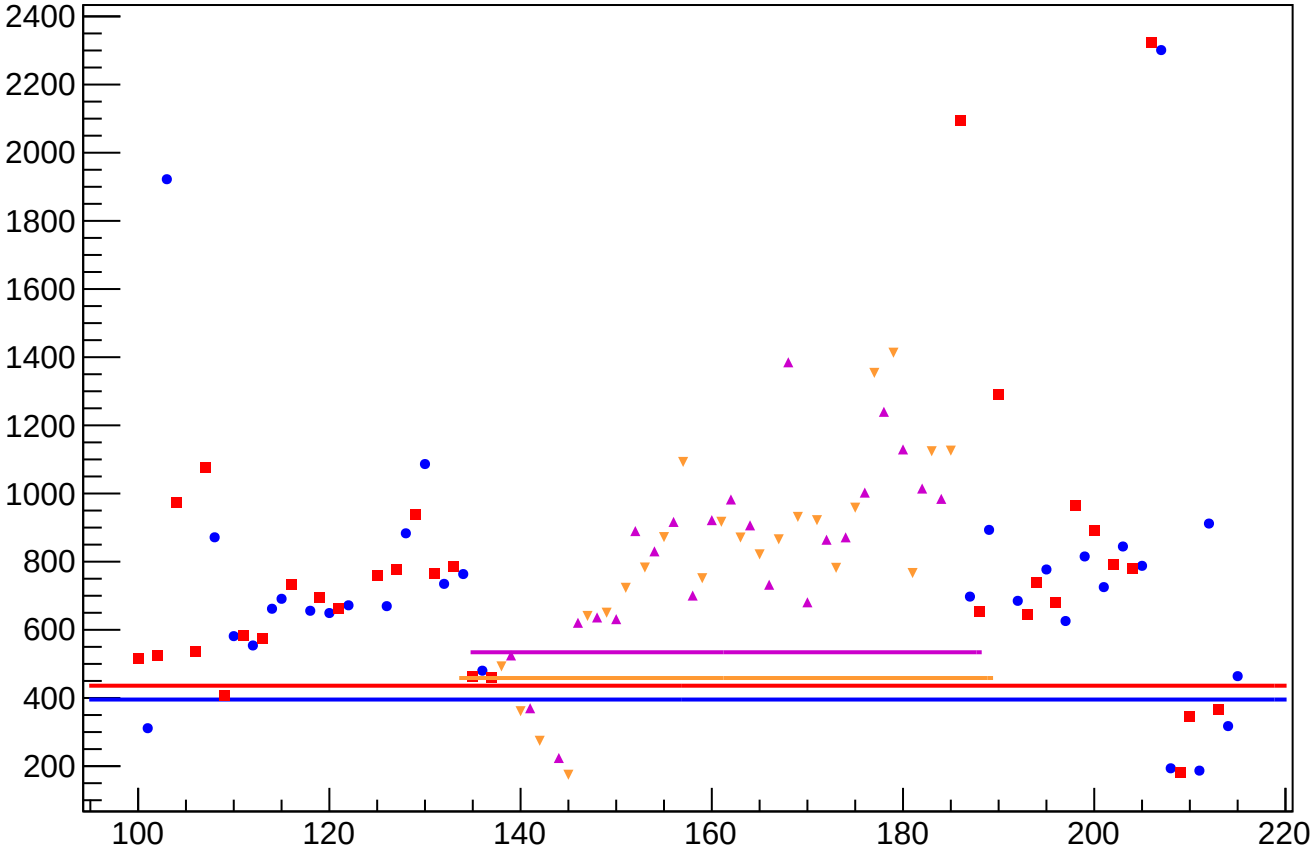
Right: 87.505+/-82.857 χ^2/NDF: 84.8/62

In: 242.732+/-87.816 χ^2/NDF:50.9/53

Out: -109.886+/-89.876 χ^2/NDF:63.8/55

All: 70.510+/-62.811 χ^2/NDF: 122.5/109

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 395.424+/-0.079 χ^2/NDF: 10480969.1/30

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 436.029+/-0.088 χ^2/NDF: 9539306.9/31

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

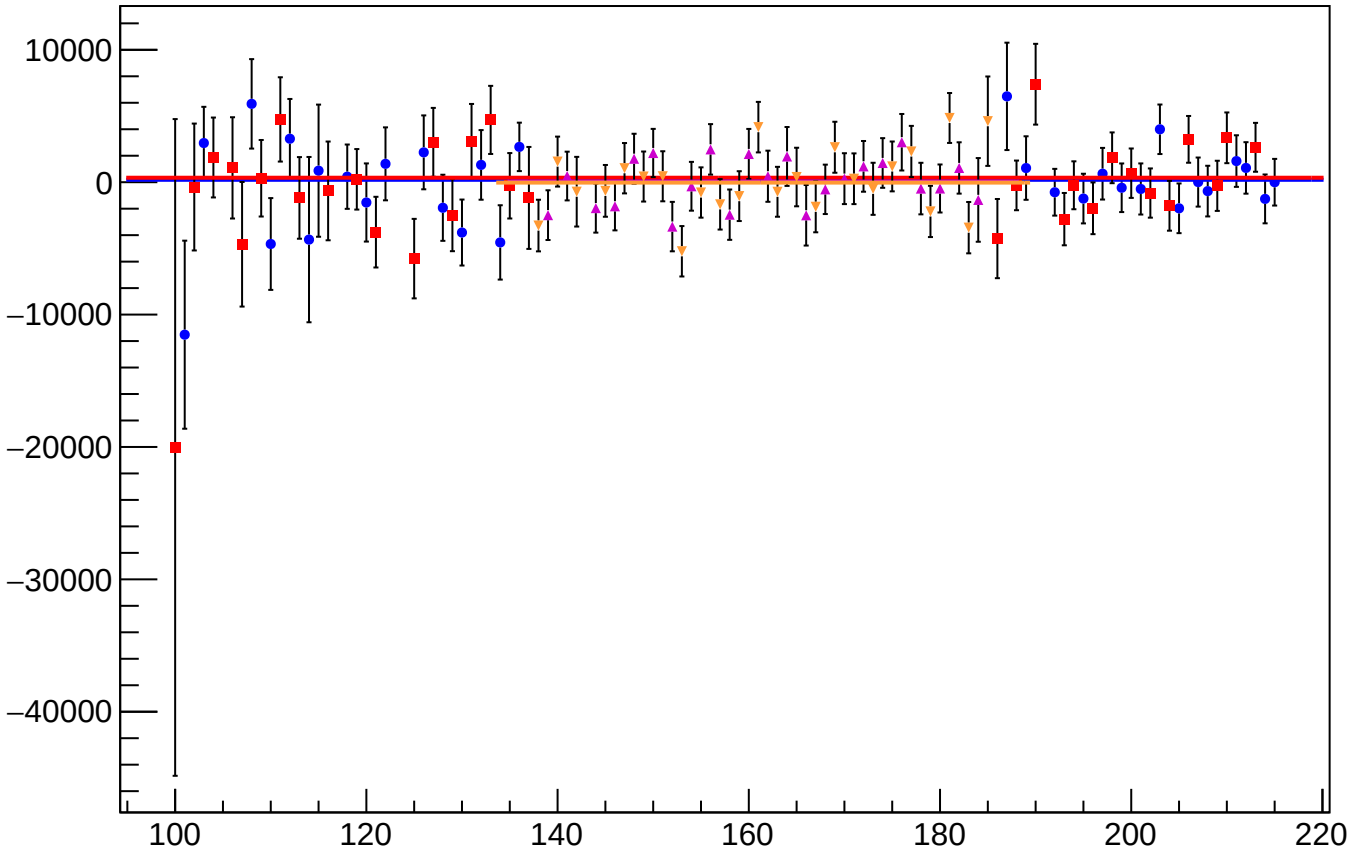
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 413.453+/-0.059 χ^2/NDF: 20138854.0/62

In: 447.517+/-0.062 χ^2/NDF:20094459.6/53

Out: 446.804+/-0.064 χ^2/NDF:20997065.3/55

All: 447.169+/-0.044 χ^2/NDF: 41091589.4/10



Right In: 181.401+/-412.335 χ^2/NDF: 30.2/30

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 338.087+/-425.633 χ^2/NDF: 38.0/31

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

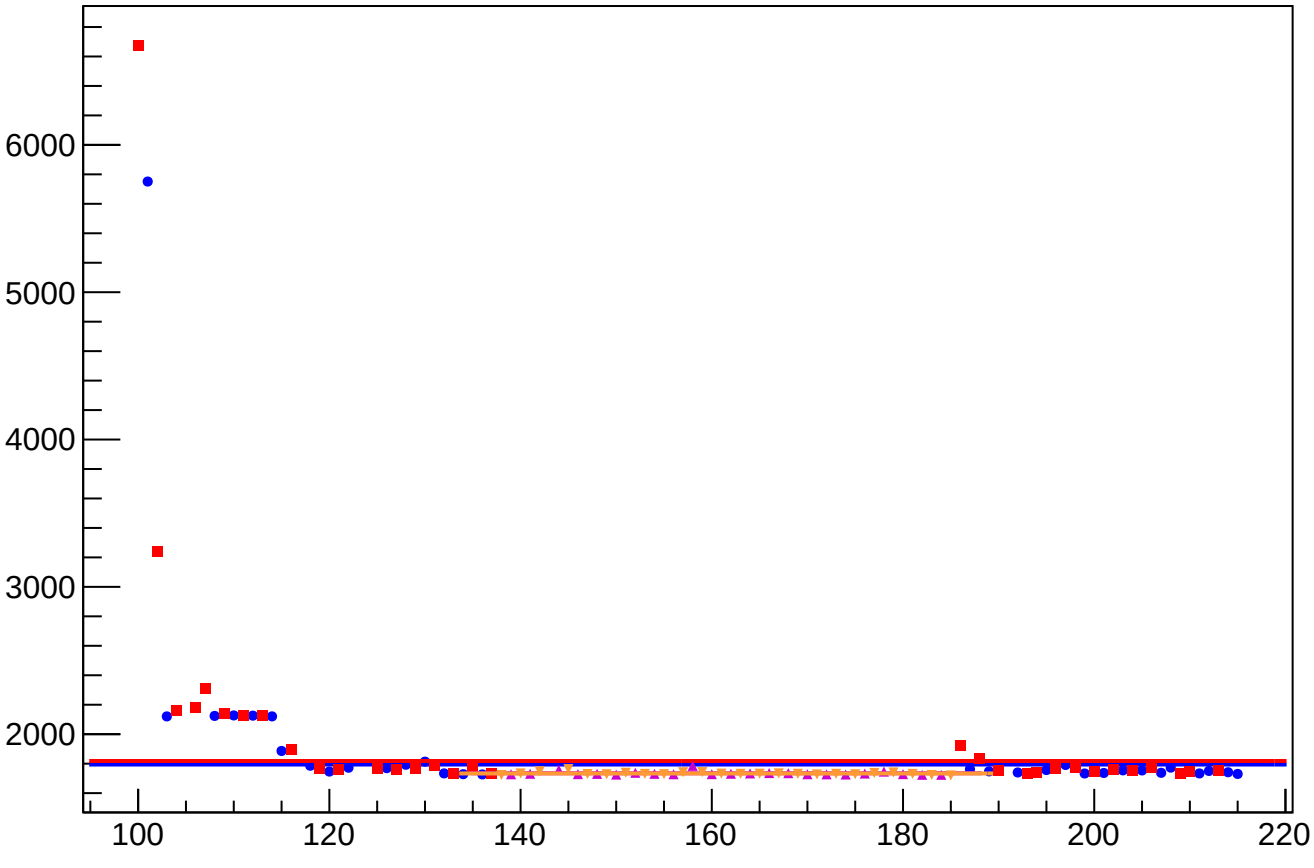
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 257.258+/-296.154 χ^2/NDF: 68.3/62

In: 110.695+/-288.955 χ^2/NDF:50.1/53

Out: 144.009+/-292.376 χ^2/NDF:73.8/55

All: 127.156+/-205.521 χ^2/NDF: 124.0/109



Right In: 1794.160+/-0.292 χ^2/NDF: 741621.1/30

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1818.123+/-0.301 χ^2/NDF: 422343.3/31

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

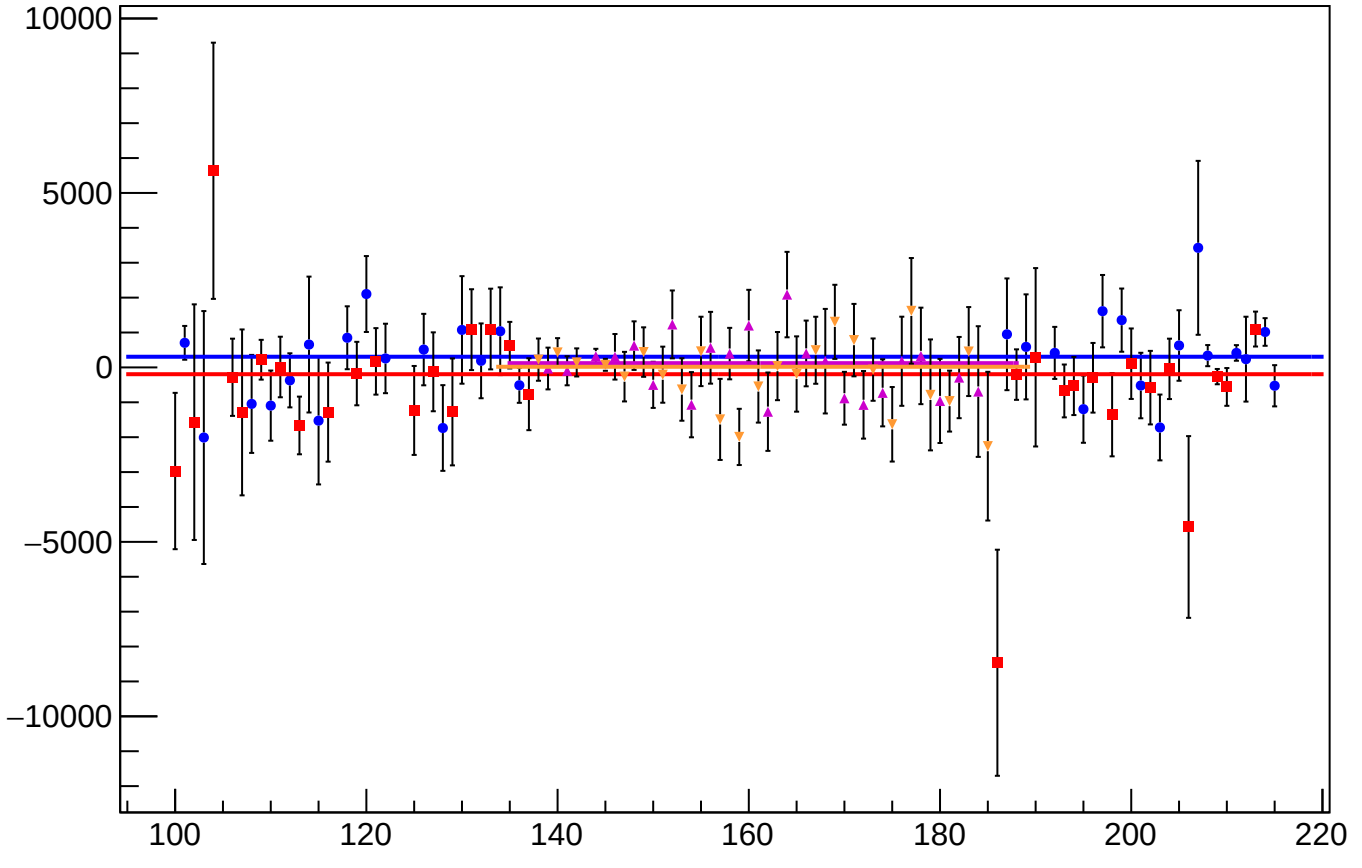
Right: 1805.761+/-0.209 χ^2/NDF: 1167234.8/62

In: 1763.956+/-0.204 χ^2/NDF:764883.4/53

Out: 1773.419+/-0.207 χ^2/NDF:465019.0/55

All: 1768.632+/-0.145 χ^2/NDF: 1230962.3/10

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 305.745+/-120.657 χ^2/NDF: 33.0/30

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -194.787+/-134.657 χ^2/NDF: 32.8/31

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

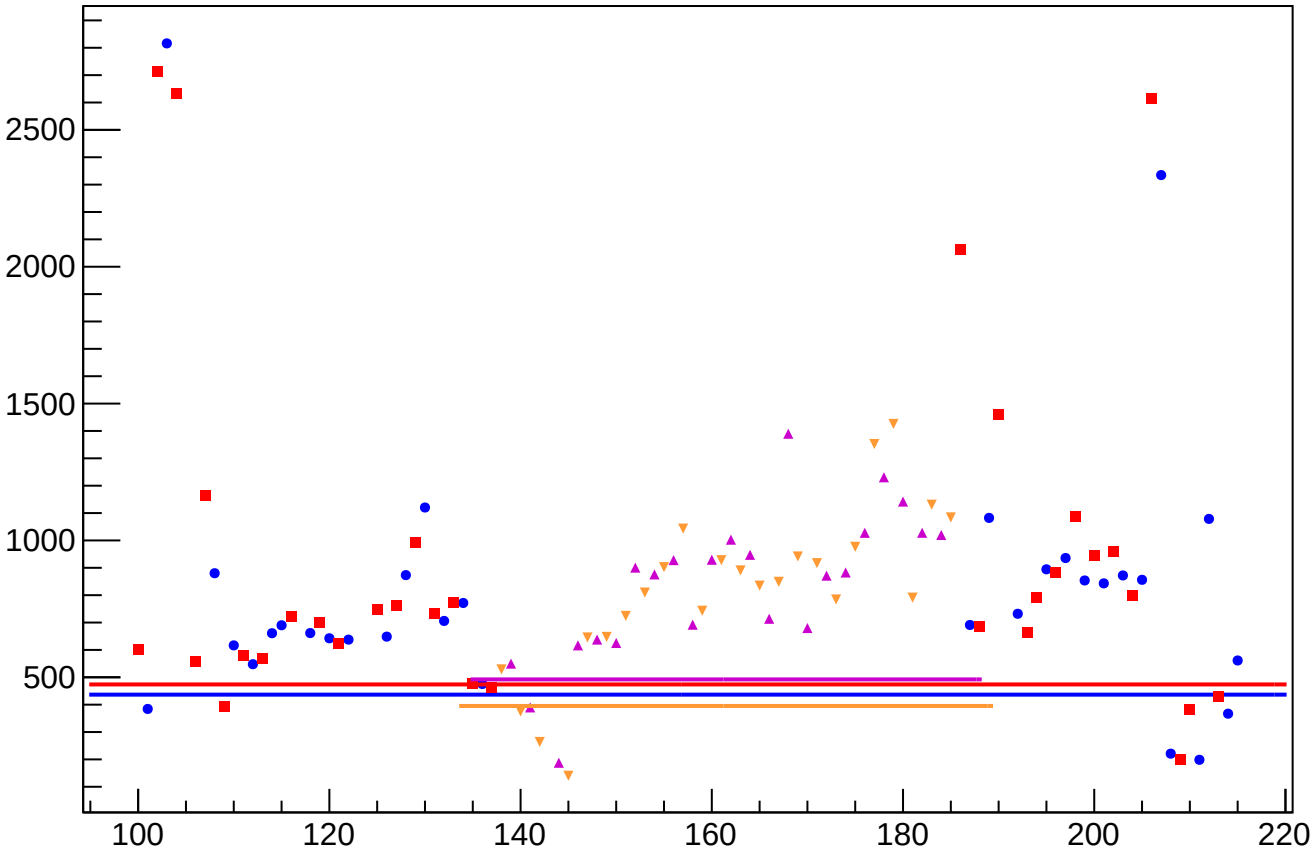
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: 82.843+/-89.861 χ^2/NDF: 73.4/62

In: 225.451+/-90.590 χ^2/NDF:50.5/53

Out: -75.587+/-89.310 χ^2/NDF:53.6/55

All: 72.790+/-63.599 χ^2/NDF: 109.7/109



Right In: 436.603+/-0.085 χ^2/NDF: 10909513.6/30

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 473.859+/-0.095 χ^2/NDF: 10683645.4/31

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

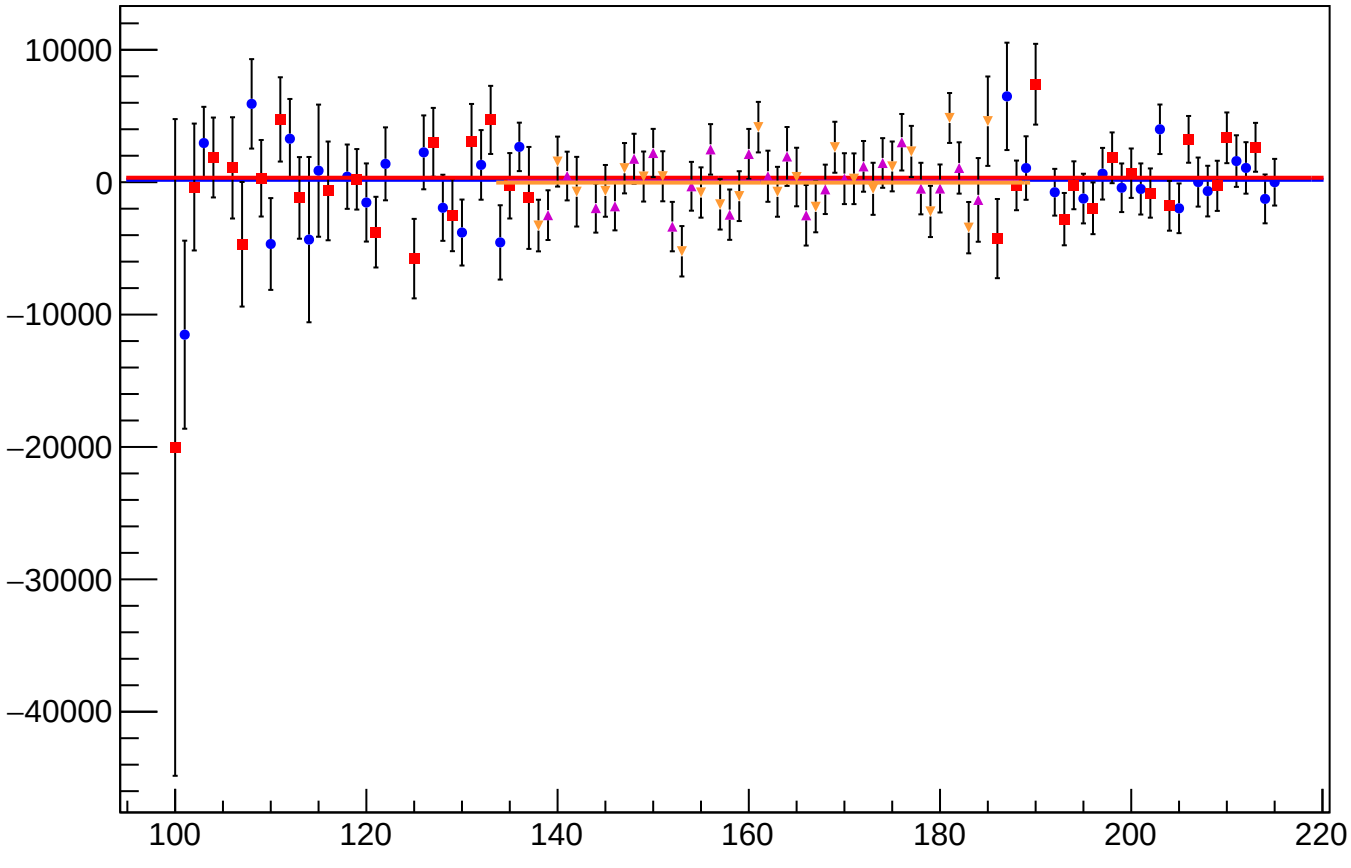
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 453.194+/-0.064 χ^2/NDF: 21678079.7/62

In: 460.900+/-0.064 χ^2/NDF:21514911.2/53

Out: 429.795+/-0.063 χ^2/NDF:25400432.3/55

All: 445.126+/-0.045 χ^2/NDF: 47034922.7/10



Right In: 181.403+/-412.335 χ^2/NDF: 30.2/30

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 338.088+/-425.633 χ^2/NDF: 38.0/31

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

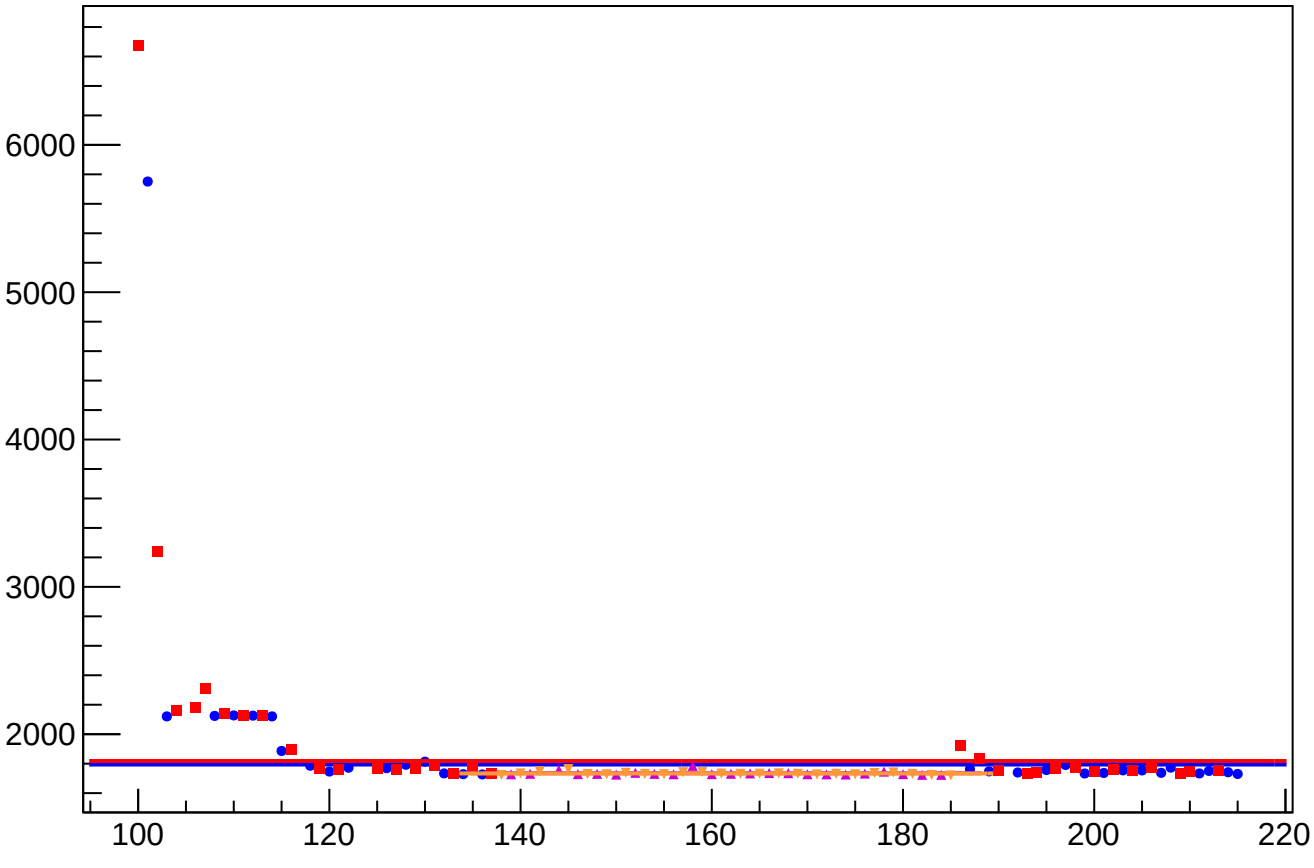
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 257.259+/-296.154 χ^2/NDF: 68.3/62

In: 110.696+/-288.955 χ^2/NDF:50.1/53

Out: 144.008+/-292.376 χ^2/NDF:73.8/55

All: 127.156+/-205.521 χ^2/NDF: 124.0/109



Right In: 1794.160+/-0.292 χ^2/NDF: 741620.6/30

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1818.123+/-0.301 χ^2/NDF: 422342.4/31

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

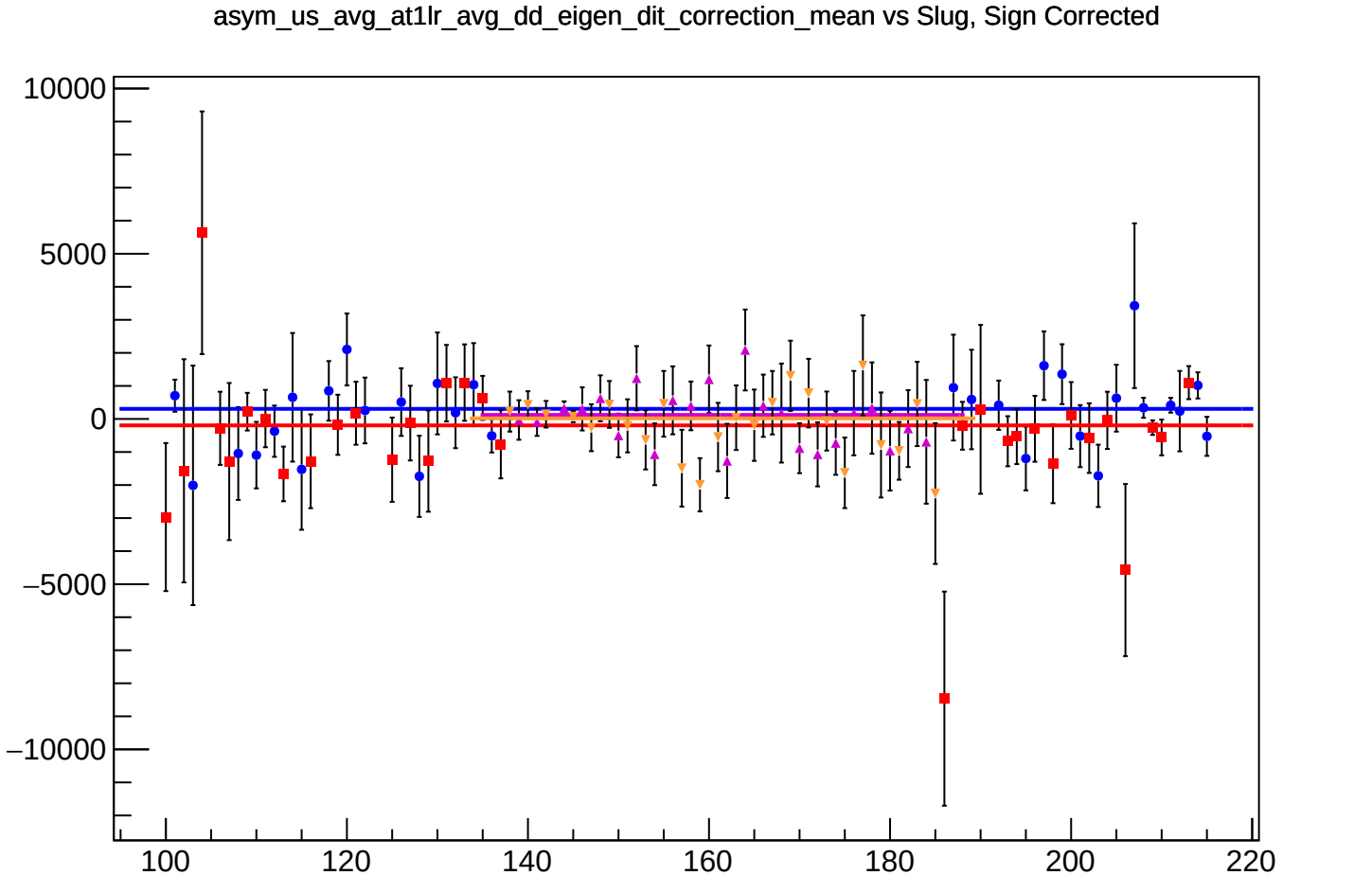
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1805.761+/-0.209 χ^2/NDF: 1167233.5/62

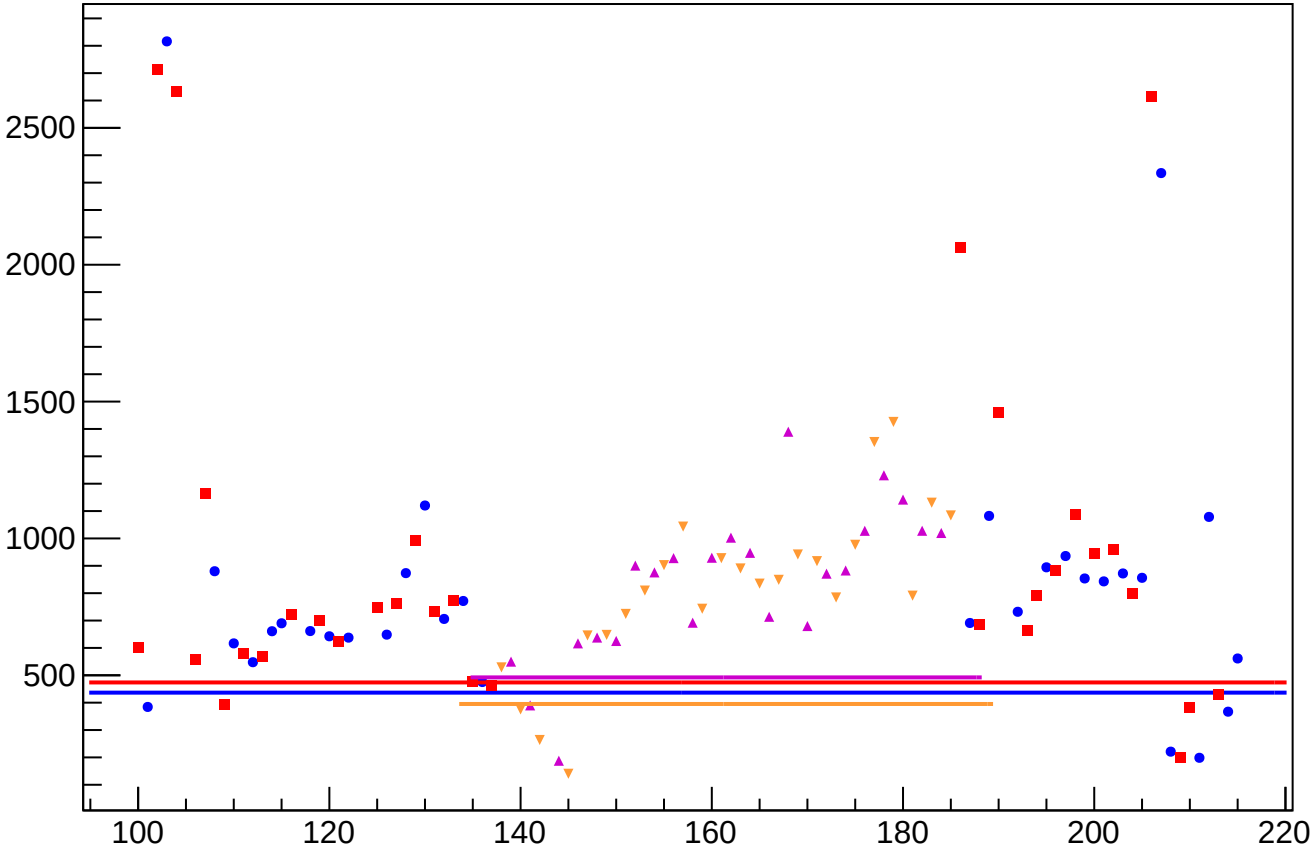
In: 1763.956+/-0.204 χ^2/NDF:764883.0/53

Out: 1773.419+/-0.207 χ^2/NDF:465018.1/55

All: 1768.632+/-0.145 χ^2/NDF: 1230961.0/10


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 305.745+/-120.657 χ²/NDF: 33.0/30
Left Out: 18.026+/-119.333 χ²/NDF:19.4/23
Right Out: -194.783+/-134.656 χ²/NDF: 32.8/31
Left In: 121.706+/-137.150 χ²/NDF:16.5/22
Left: 62.698+/-90.026 χ²/NDF: 36.2/46
Right: 82.843+/-89.860 χ²/NDF: 73.4/62
In: 225.451+/-90.590 χ²/NDF:50.5/53
Out: -75.587+/-89.310 χ²/NDF:53.6/55
All: 72.789+/-63.599 χ²/NDF: 109.7/109

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 436.604+/-0.085 χ^2/NDF: 10909444.0/30

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 473.855+/-0.095 χ^2/NDF: 10683747.9/31

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

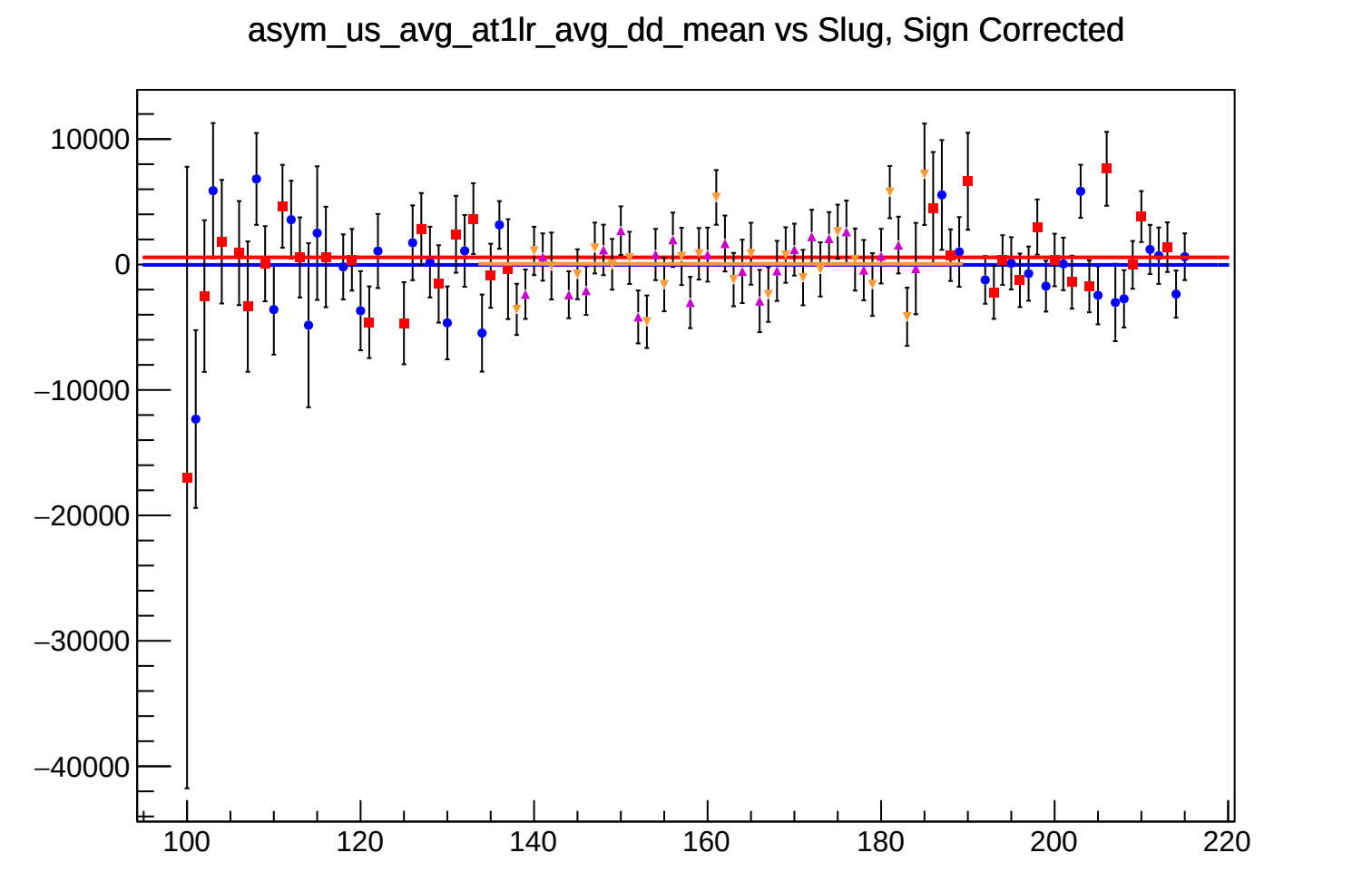
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 453.193+/-0.064 χ^2/NDF: 21678089.0/62

In: 460.901+/-0.064 χ^2/NDF:21514862.2/53

Out: 429.793+/-0.063 χ^2/NDF:25400541.6/55

All: 445.126+/-0.045 χ^2/NDF: 47035001.9/10



Right In: -28.887+/-460.935 χ^2/NDF: 37.5/30

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 571.495+/-475.820 χ^2/NDF: 29.5/31

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

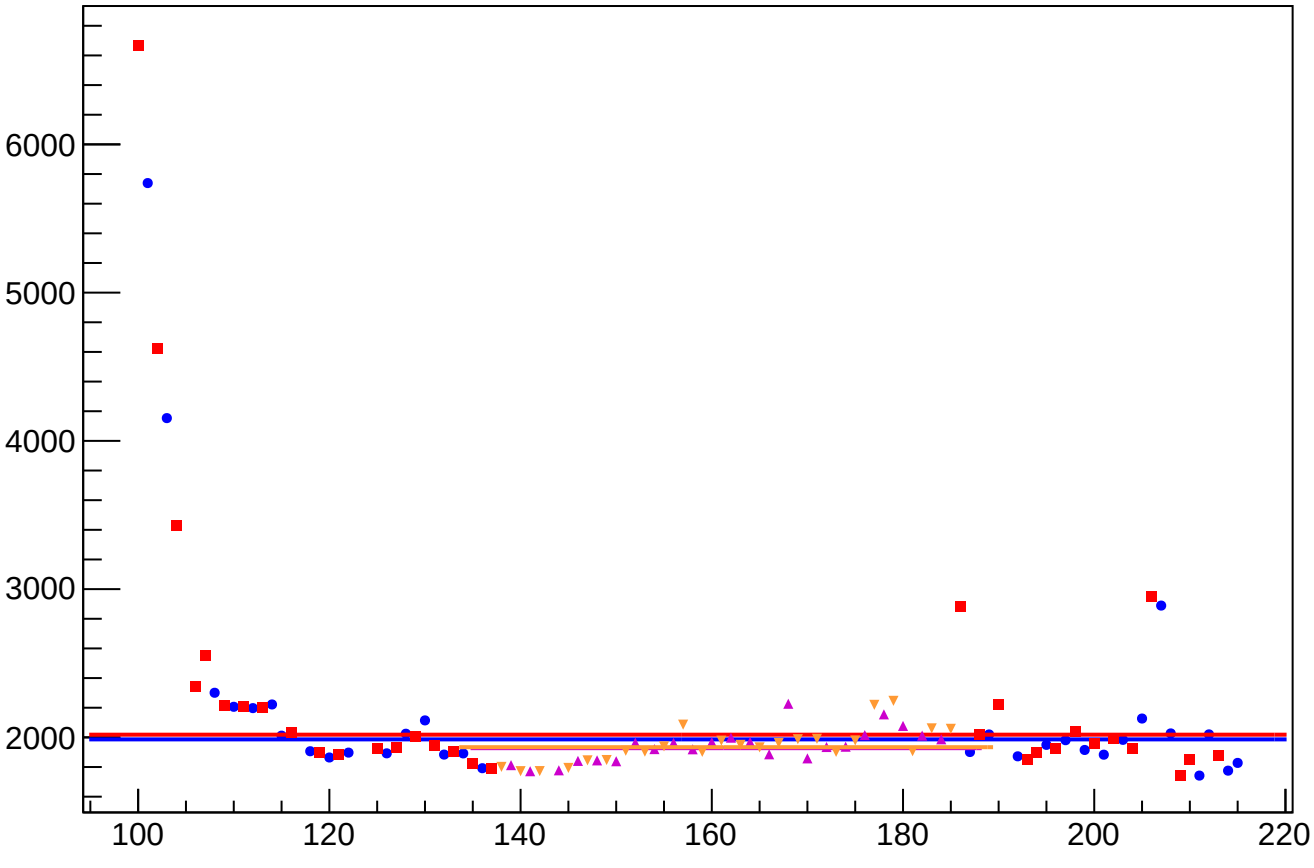
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 261.766+/-331.068 χ^2/NDF: 67.8/62

In: -1.048+/-322.271 χ^2/NDF:57.5/53

Out: 304.870+/-326.849 χ^2/NDF:63.7/55

All: 149.753+/-229.481 χ^2/NDF: 121.6/109



Right In: 1986.420+/-0.326 χ^2/NDF: 1223580.9/30

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2018.166+/-0.336 χ^2/NDF: 1072177.9/31

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

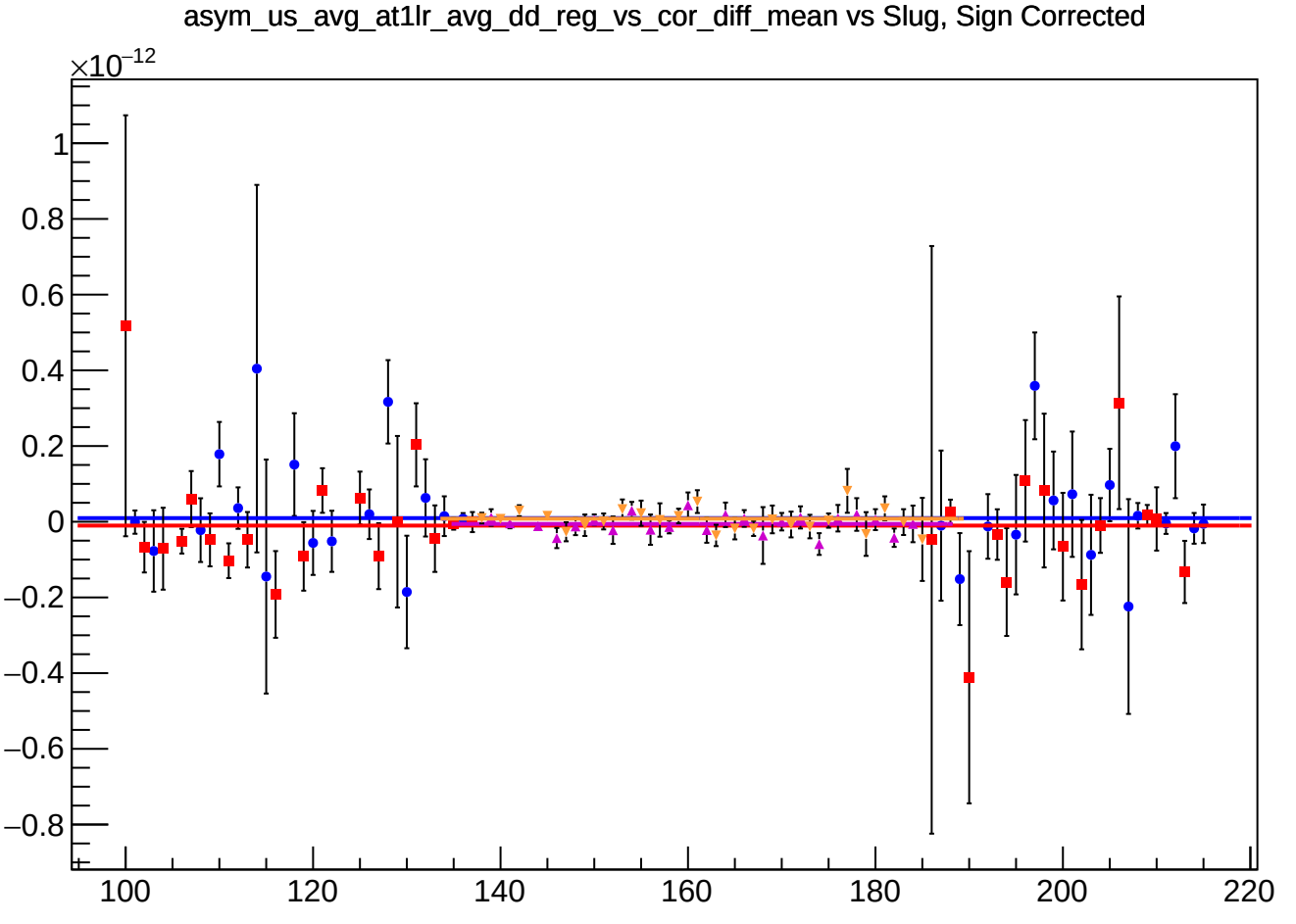
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

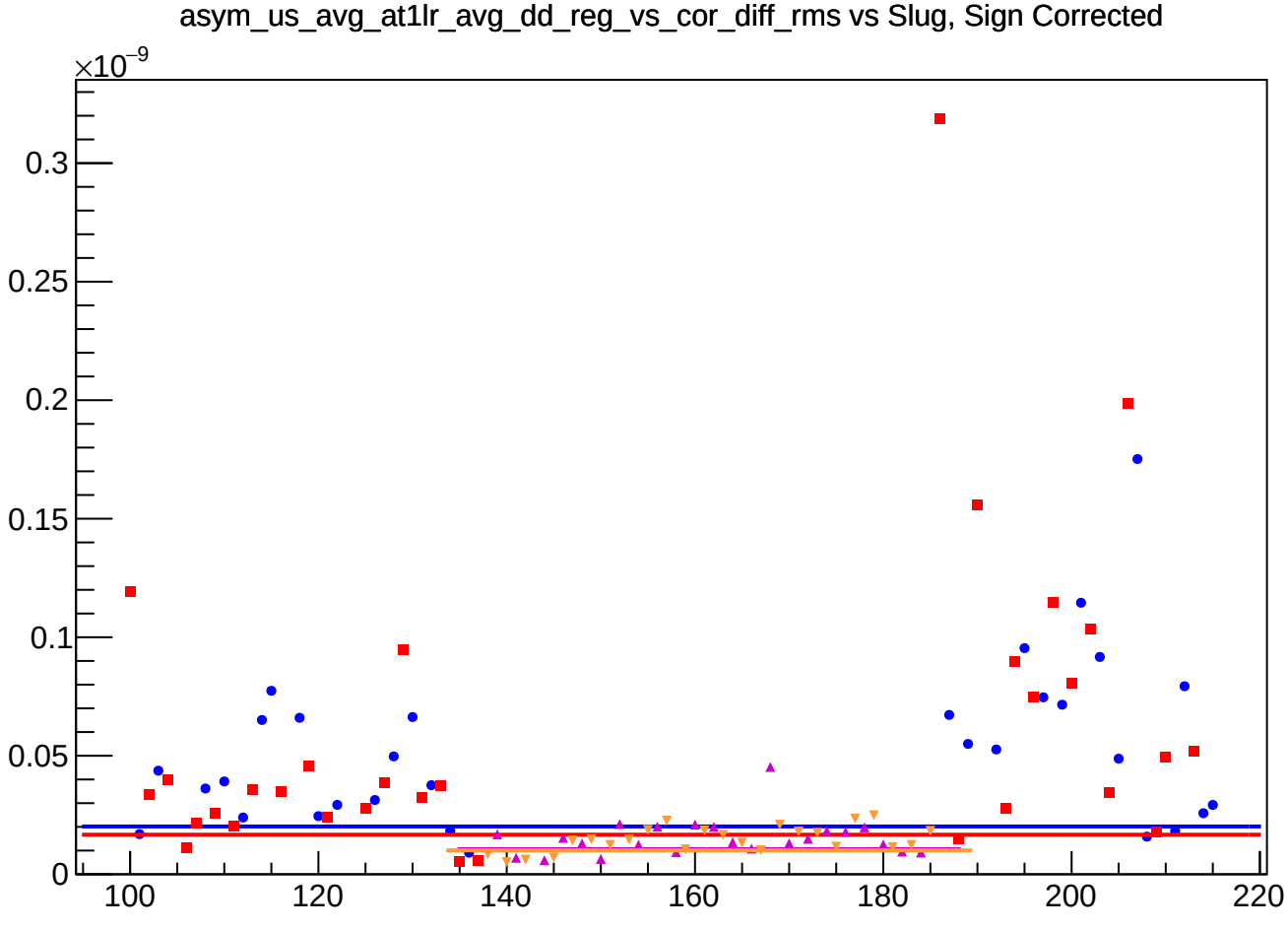
Right: 2001.789+/-0.234 χ^2/NDF: 2300351.4/62

In: 1956.111+/-0.228 χ^2/NDF:1356935.0/53

Out: 1973.611+/-0.231 χ^2/NDF:1233913.0/55

All: 1964.737+/-0.162 χ^2/NDF: 2593755.2/10


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: 31.0/30
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.4/31
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: 64.7/62
In: -0.000+/-0.000 χ²/NDF:49.9/53
Out: 0.000+/-0.000 χ²/NDF:52.0/55
All: 0.000+/-0.000 χ²/NDF: 103.7/109



Right In: 0.000+/-0.000 χ^2/NDF: 6190225.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7276465.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

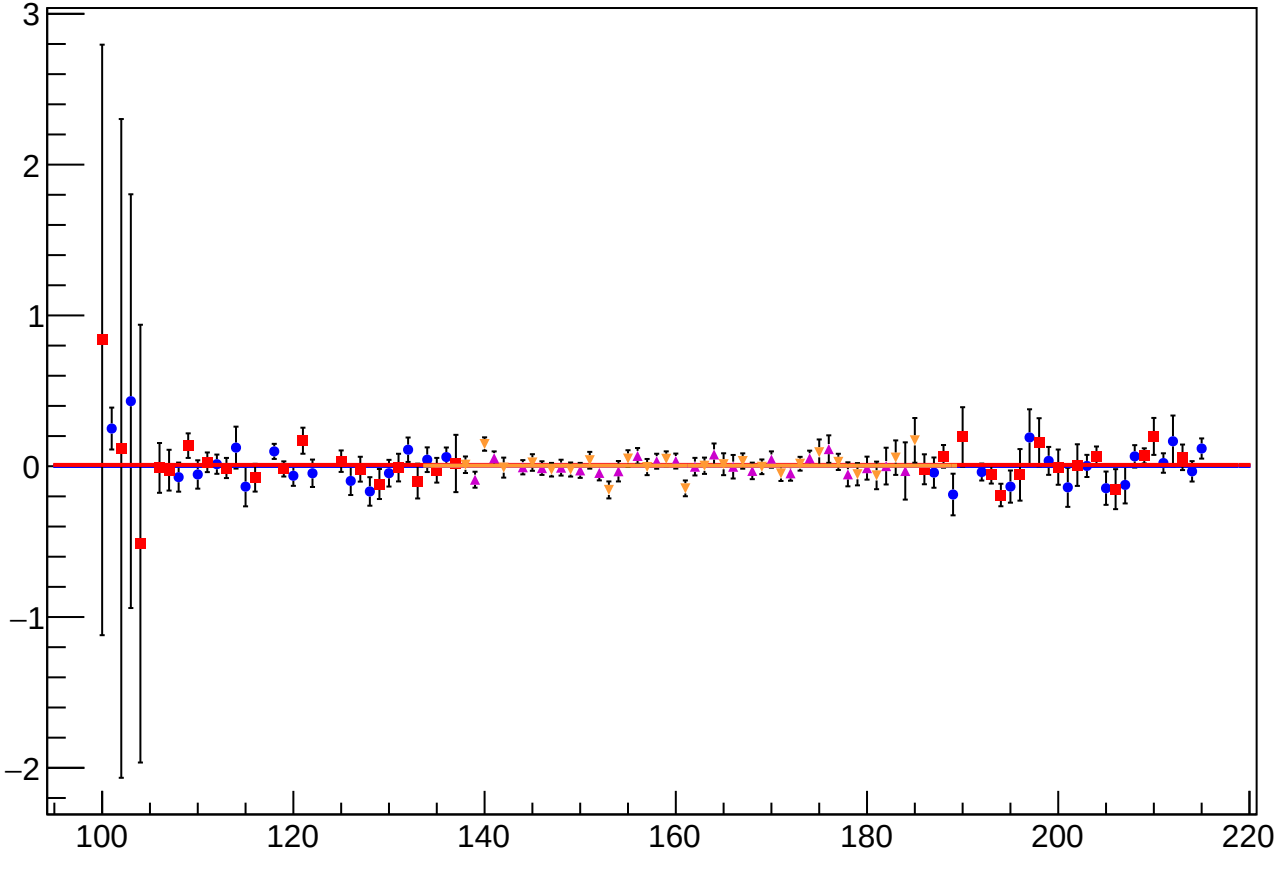
Right: 0.000+/-0.000 χ^2/NDF: 13607777.9/62

In: 0.000+/-0.000 χ^2/NDF:10452113.9/53

Out: 0.000+/-0.000 χ^2/NDF:10410600.5/55

All: 0.000+/-0.000 χ^2/NDF: 20932870.8/109

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 33.0/30

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.009+/-0.016 χ^2/NDF: 27.9/31

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

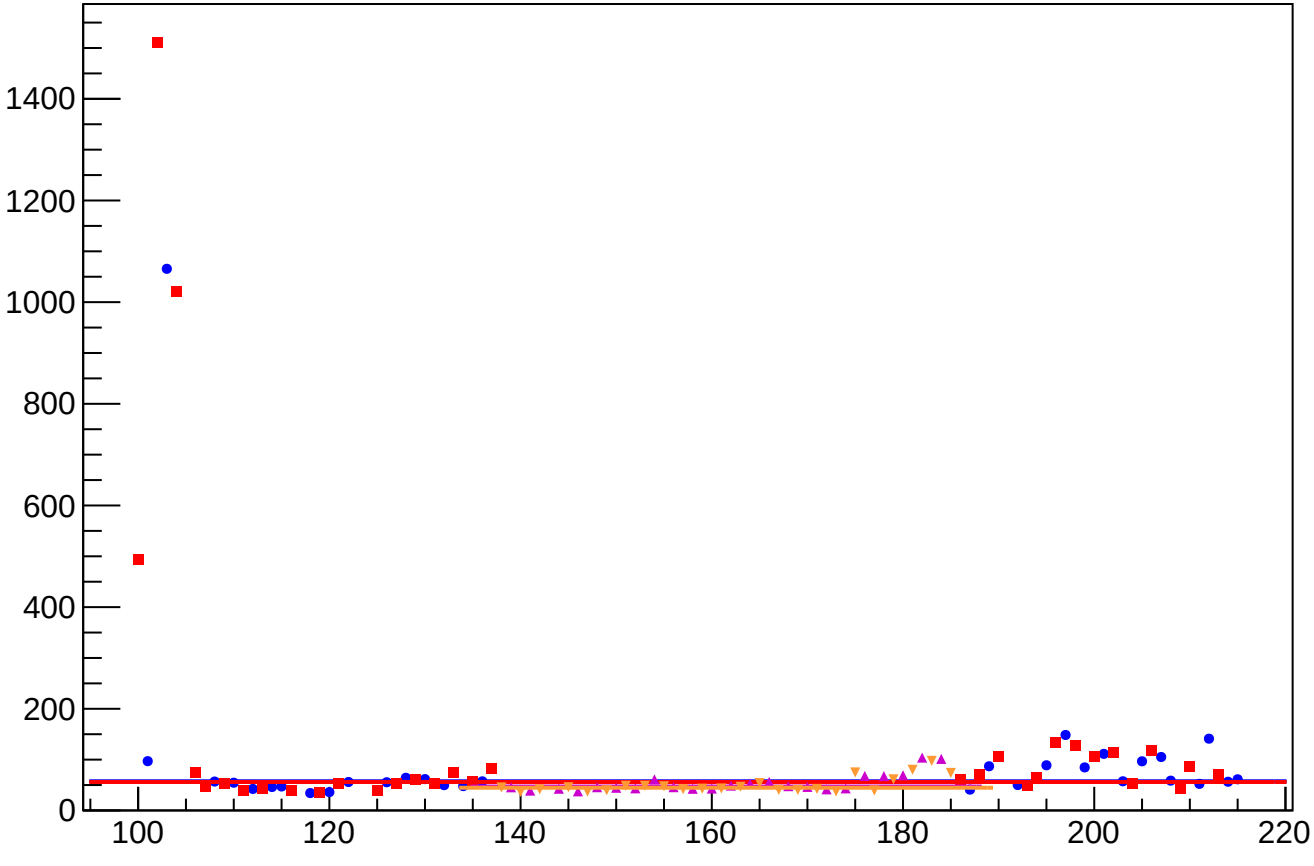
Right: 0.005+/-0.011 χ^2/NDF: 61.0/62

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.004+/-0.007 χ^2/NDF: 110.6/109

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.379+/-0.011 χ^2/NDF: 4479560.1/30

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 56.023+/-0.011 χ^2/NDF: 5269827.5/31

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

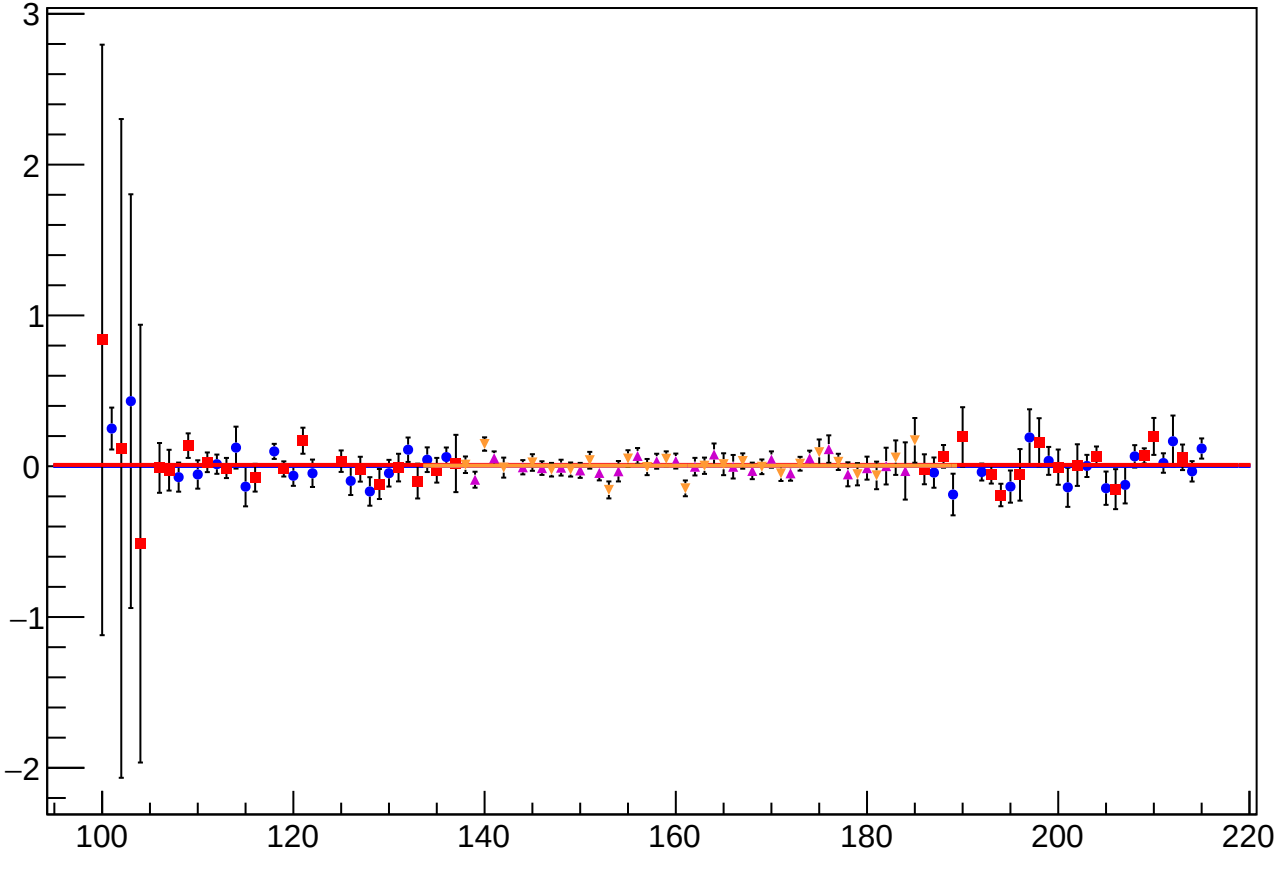
Right: 56.720+/-0.008 χ^2/NDF: 9757013.7/62

In: 50.947+/-0.007 χ^2/NDF:6430759.4/53

Out: 48.662+/-0.007 χ^2/NDF:7421412.0/55

All: 49.790+/-0.005 χ^2/NDF: 13911875.6/109

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 33.0/30

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.009+/-0.016 χ^2/NDF: 27.9/31

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

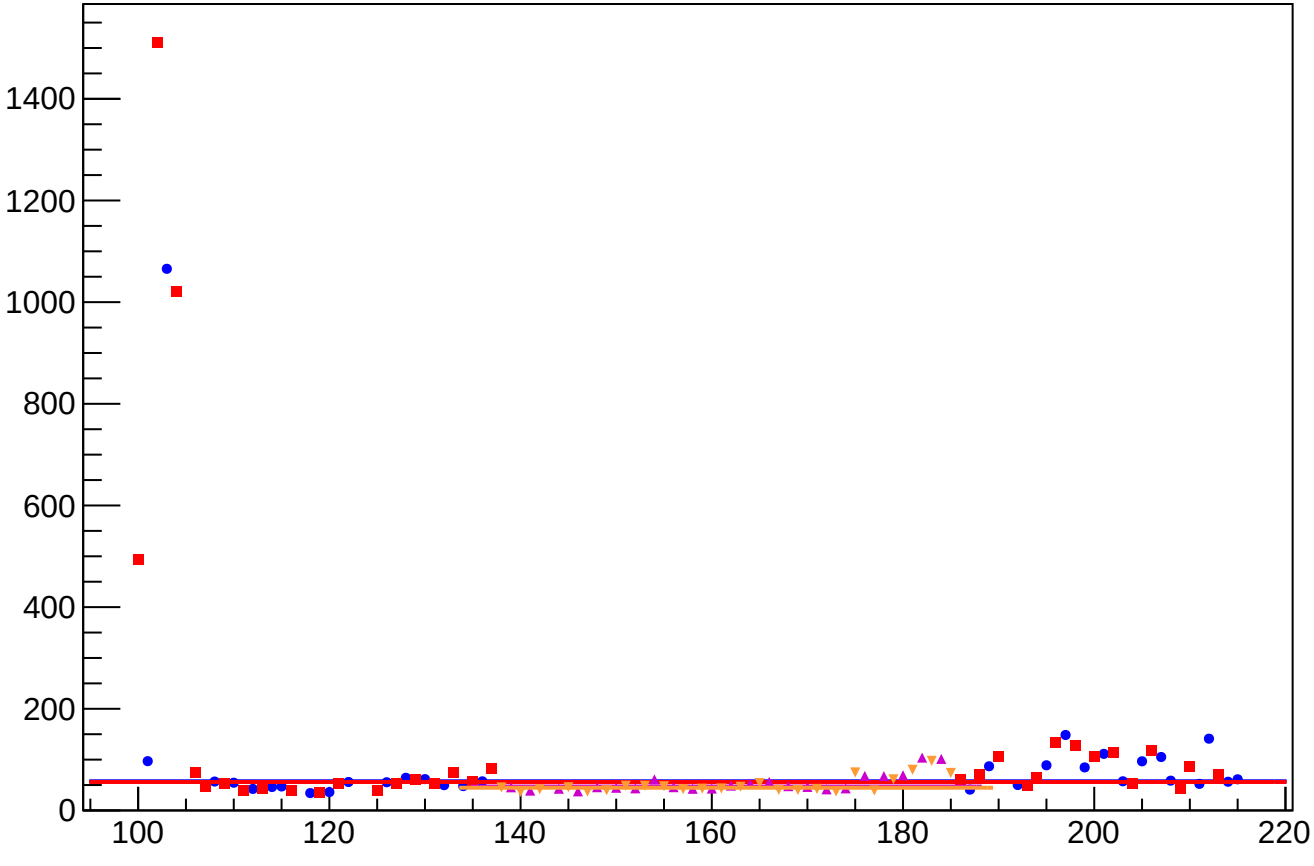
Right: 0.005+/-0.011 χ^2/NDF: 61.0/62

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.004+/-0.007 χ^2/NDF: 110.6/109

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.379+/-0.011 χ^2/NDF: 4479560.1/30

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 56.023+/-0.011 χ^2/NDF: 5269827.5/31

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

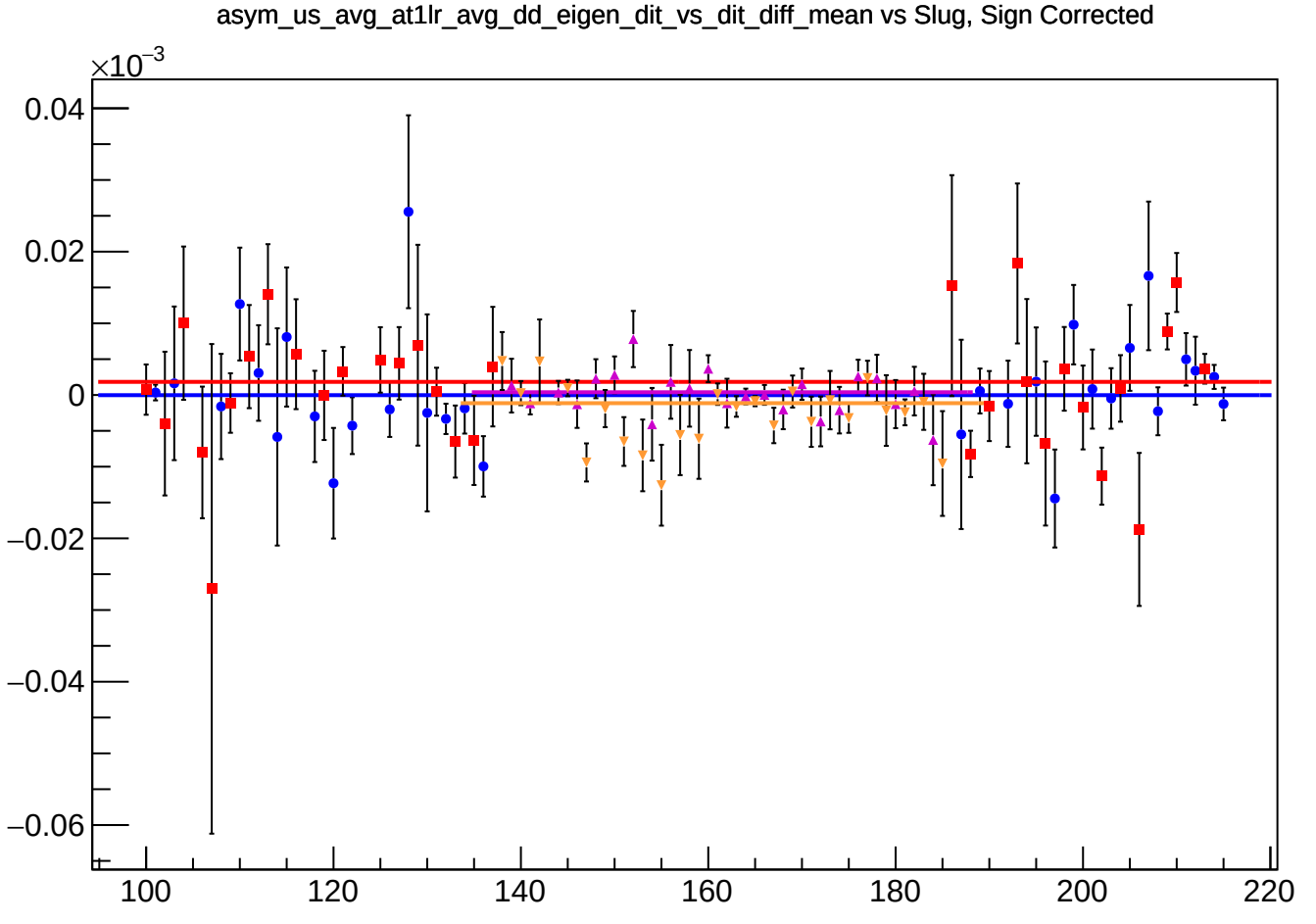
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 56.720+/-0.008 χ^2/NDF: 9757013.7/62

In: 50.947+/-0.007 χ^2/NDF:6430759.4/53

Out: 48.662+/-0.007 χ^2/NDF:7421412.0/55

All: 49.790+/-0.005 χ^2/NDF: 13911875.6/109



Right In: -0.000+/-0.000 χ^2/NDF: 37.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 61.6/31

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

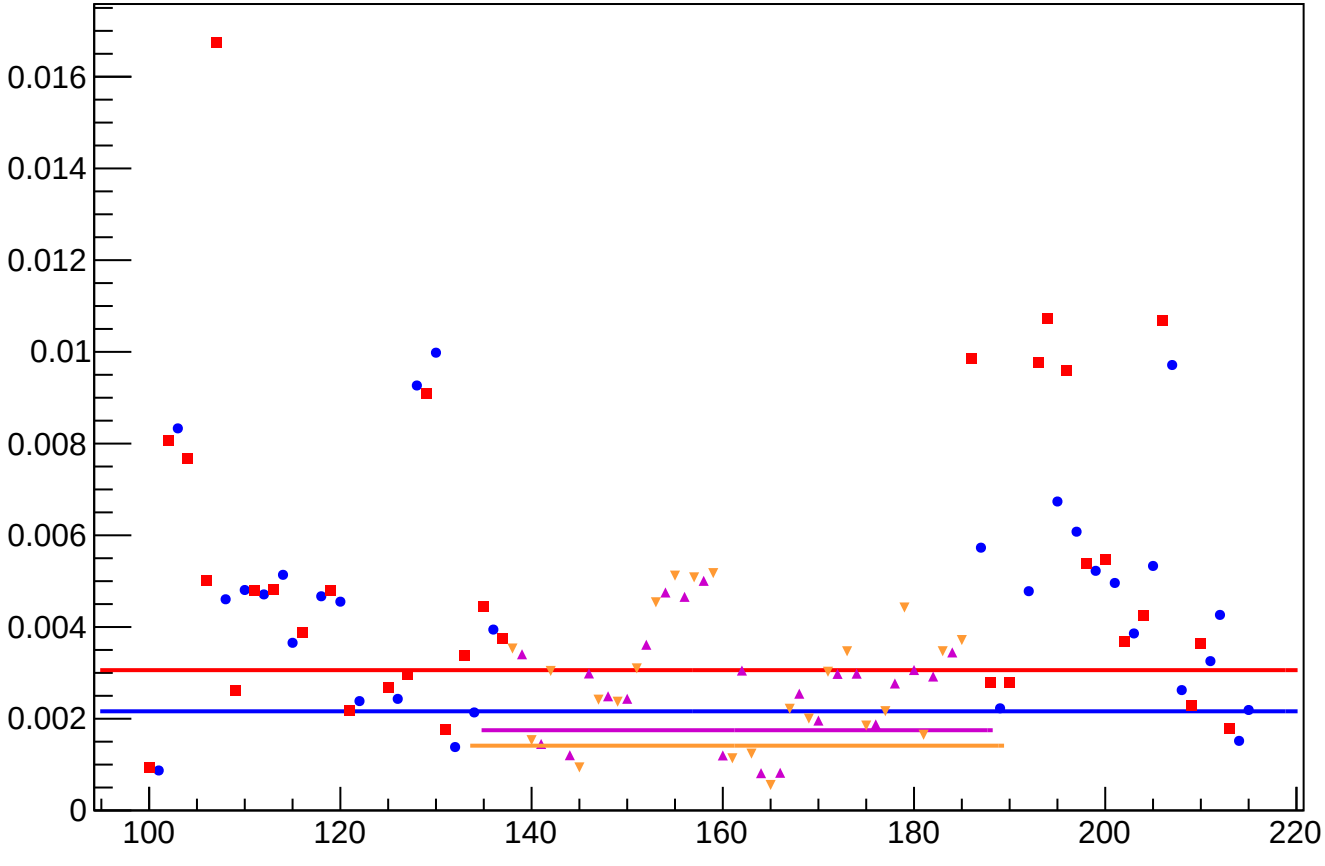
Right: 0.000+/-0.000 χ^2/NDF: 101.8/62

In: 0.000+/-0.000 χ^2/NDF:53.7/53

Out: -0.000+/-0.000 χ^2/NDF:107.3/55

All: -0.000+/-0.000 χ^2/NDF: 163.3/109

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: 12529381.1/30

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8906896.3/31

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

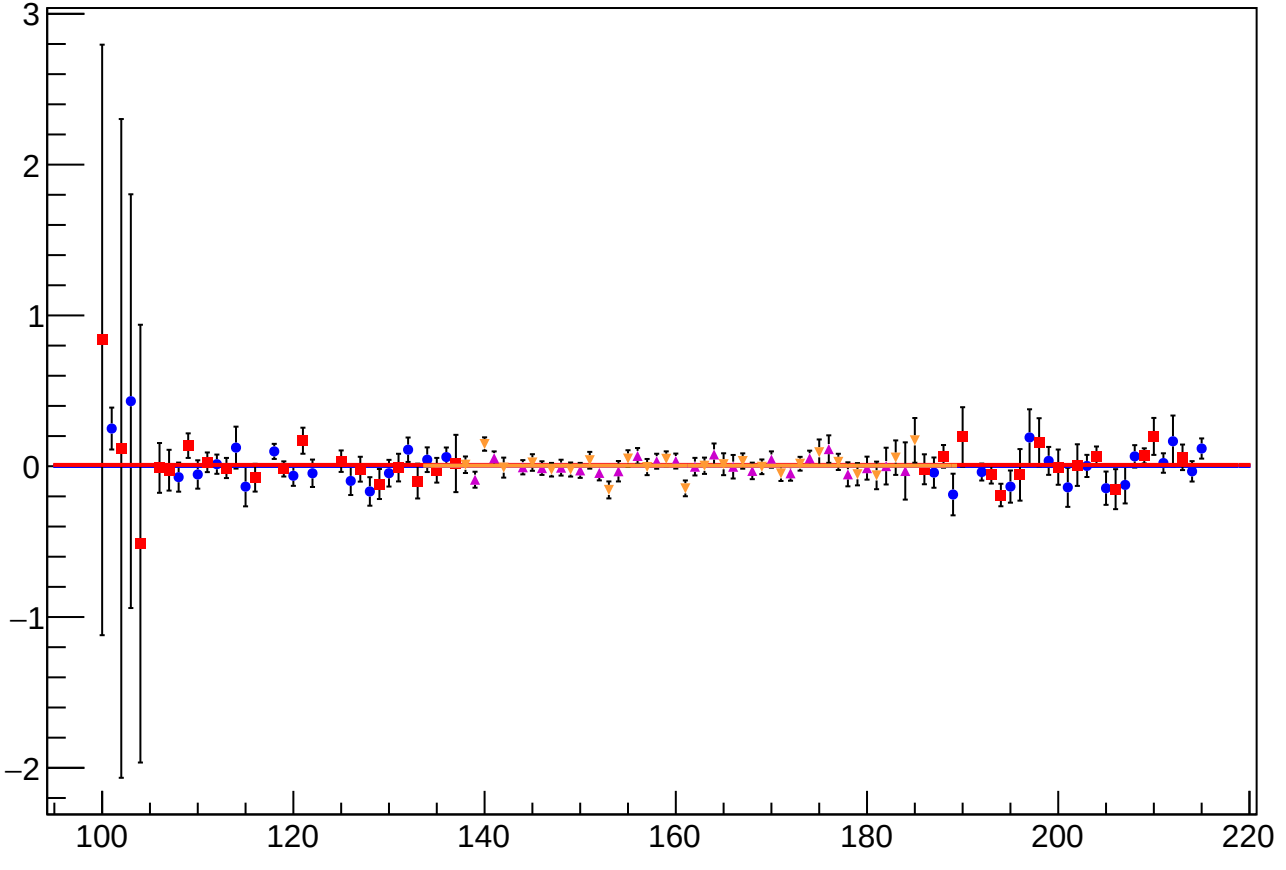
Right: 0.002+/-0.000 χ^2/NDF: 22887268.7/62

In: 0.002+/-0.000 χ^2/NDF:21305239.3/53

Out: 0.002+/-0.000 χ^2/NDF:26624392.2/55

All: 0.002+/-0.000 χ^2/NDF: 48158684.6/109

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 33.0/30

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.009+/-0.016 χ^2/NDF: 27.9/31

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

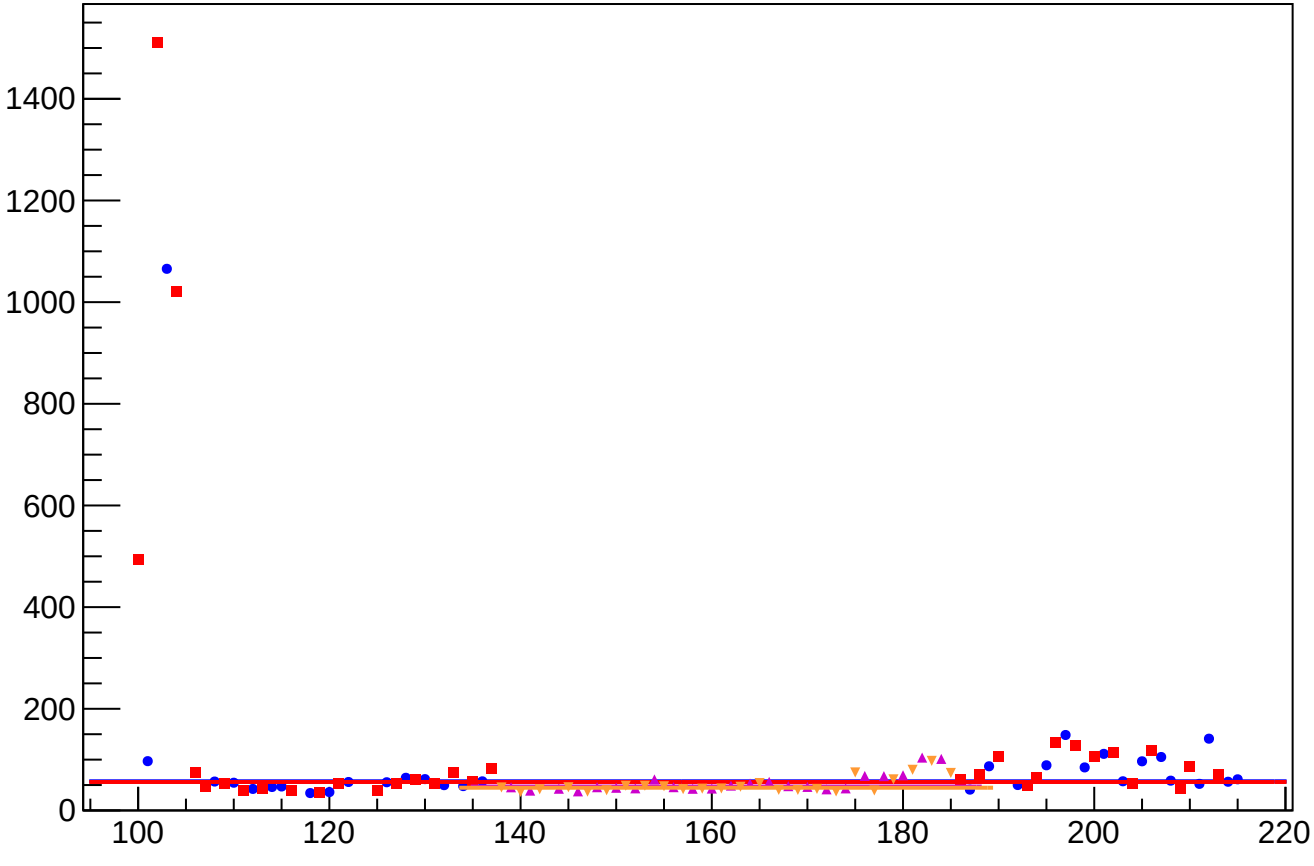
Right: 0.005+/-0.011 χ^2/NDF: 61.0/62

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.004+/-0.007 χ^2/NDF: 110.6/109

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.379+/-0.011 χ^2/NDF: 4479638.9/30

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 56.022+/-0.011 χ^2/NDF: 5270017.3/31

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

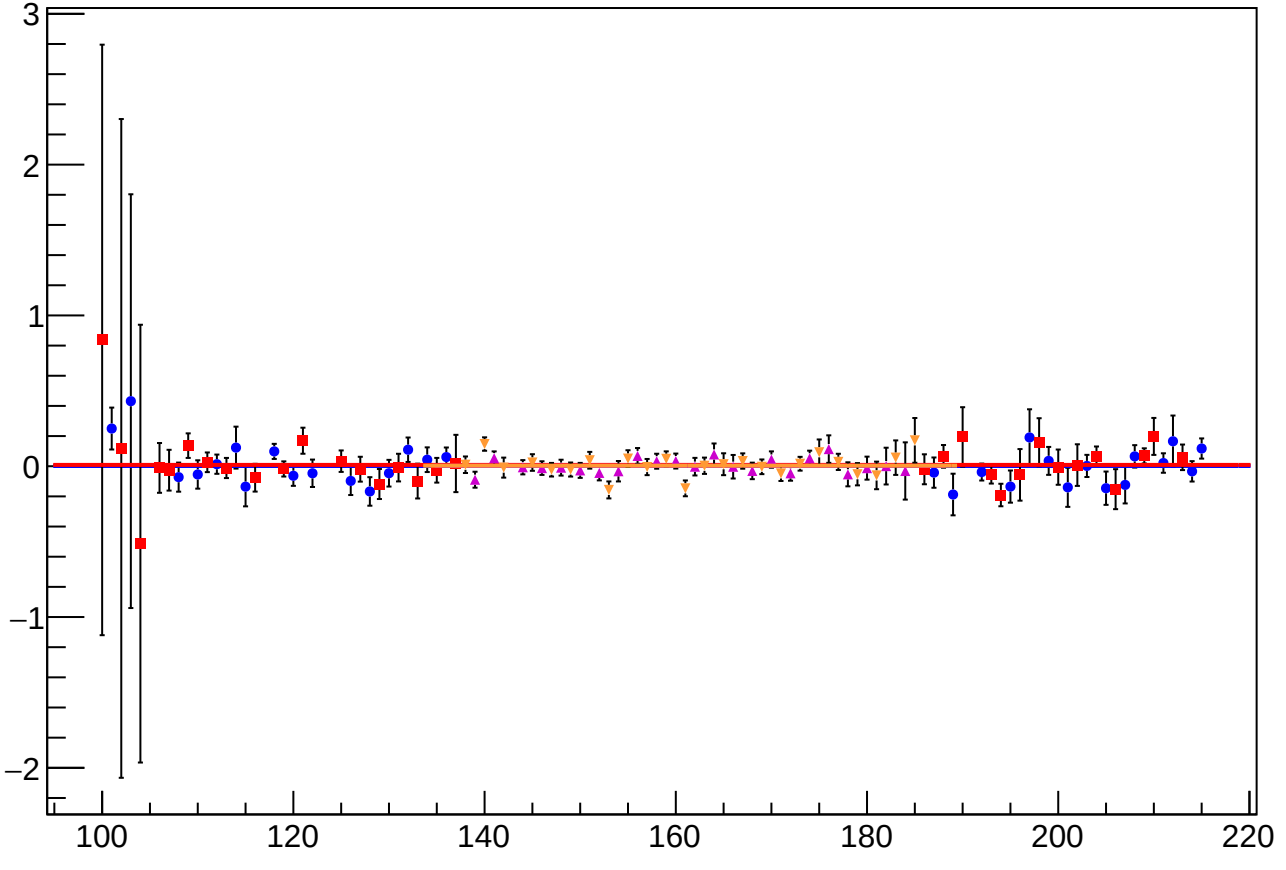
Right: 56.720+/-0.008 χ^2/NDF: 9757288.3/62

In: 50.947+/-0.007 χ^2/NDF:6430893.6/53

Out: 48.662+/-0.007 χ^2/NDF:7421480.2/55

All: 49.790+/-0.005 χ^2/NDF: 13912069.9/109

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 33.0/30

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.009+/-0.016 χ^2/NDF: 27.9/31

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

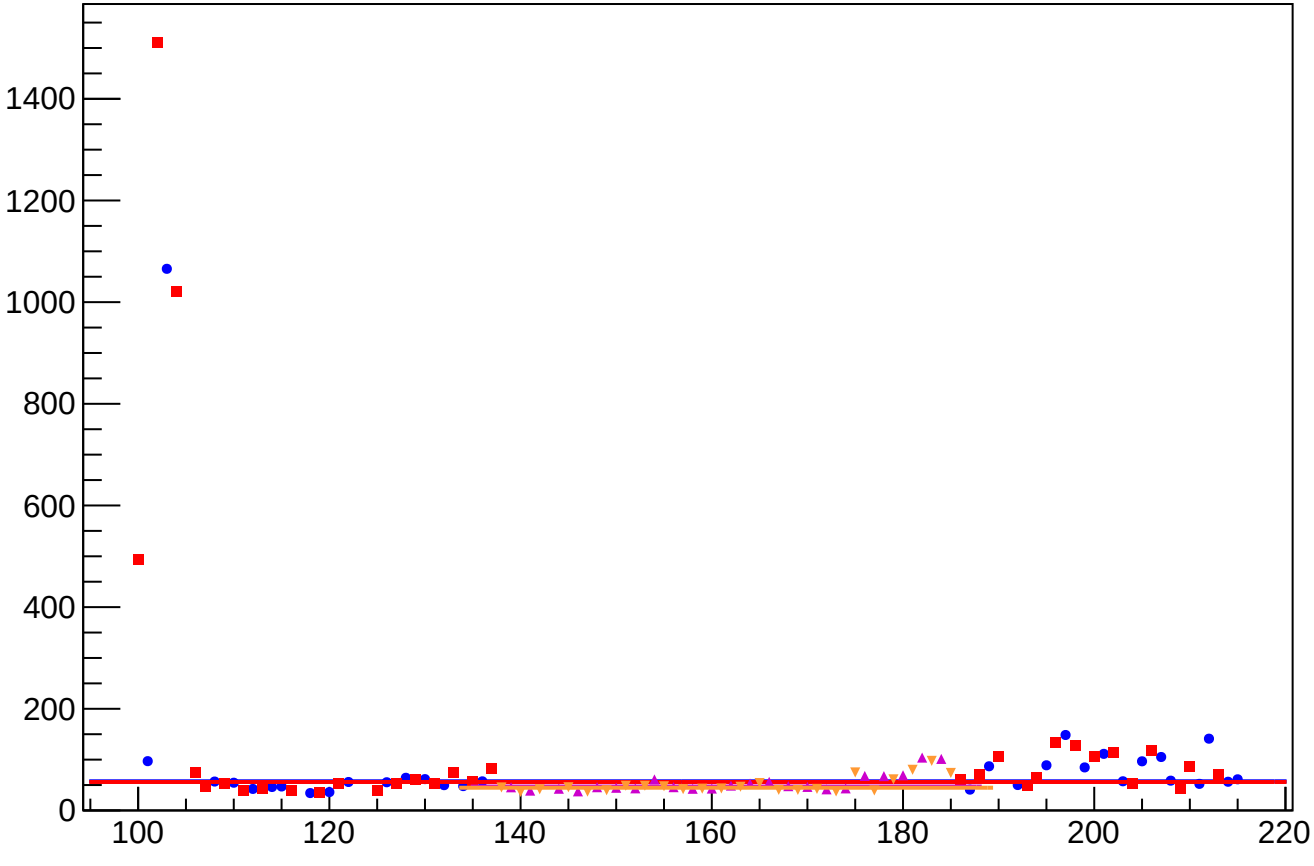
Right: 0.005+/-0.011 χ^2/NDF: 61.0/62

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.006+/-0.009 χ^2/NDF:63.0/55

All: 0.004+/-0.007 χ^2/NDF: 110.6/109

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.379+/-0.011 χ^2/NDF: 4479638.9/30

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 56.022+/-0.011 χ^2/NDF: 5270017.3/31

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

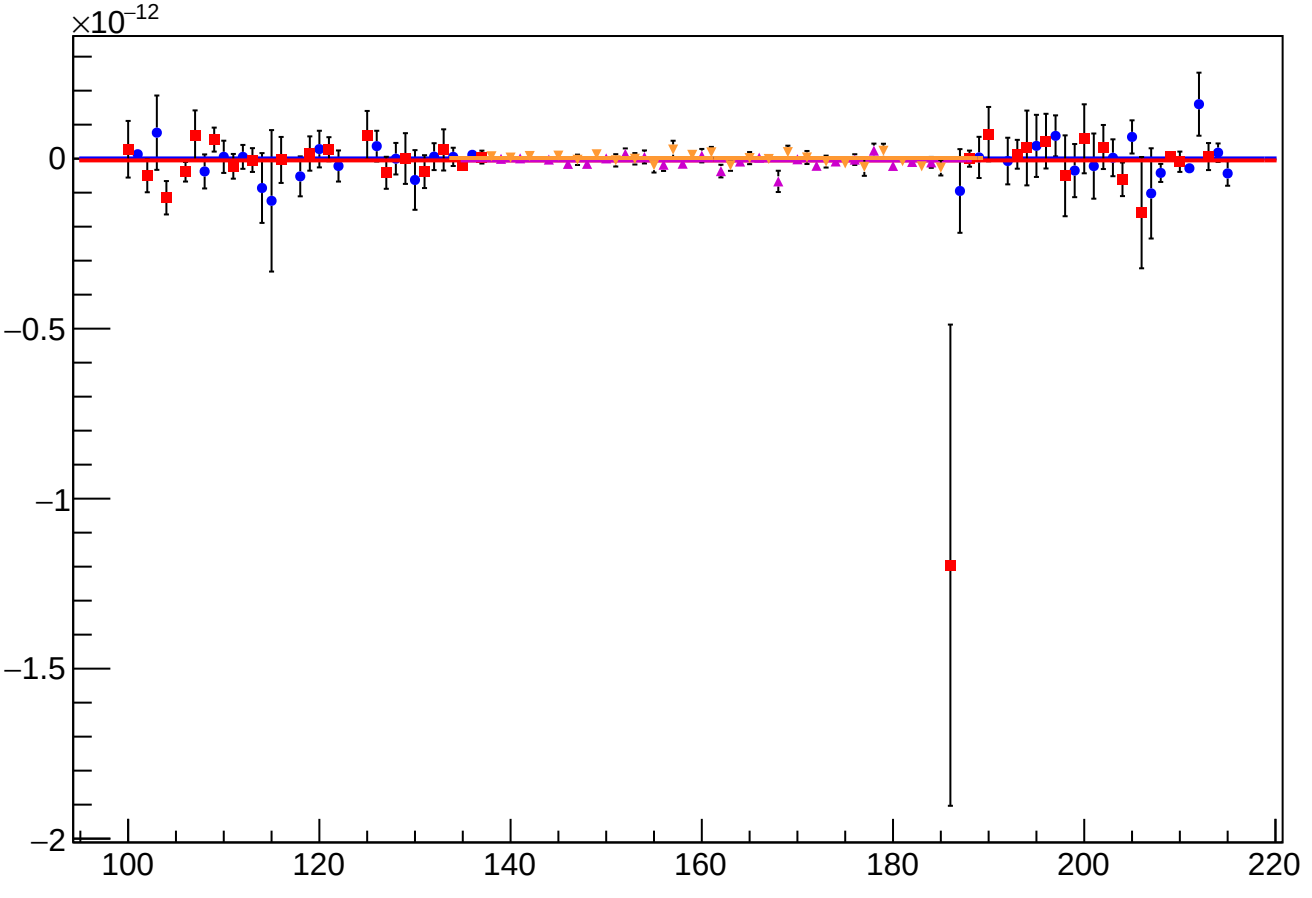
Right: 56.720+/-0.008 χ^2/NDF: 9757288.3/62

In: 50.947+/-0.007 χ^2/NDF:6430893.6/53

Out: 48.662+/-0.007 χ^2/NDF:7421480.2/55

All: 49.790+/-0.005 χ^2/NDF: 13912069.9/109

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/31

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

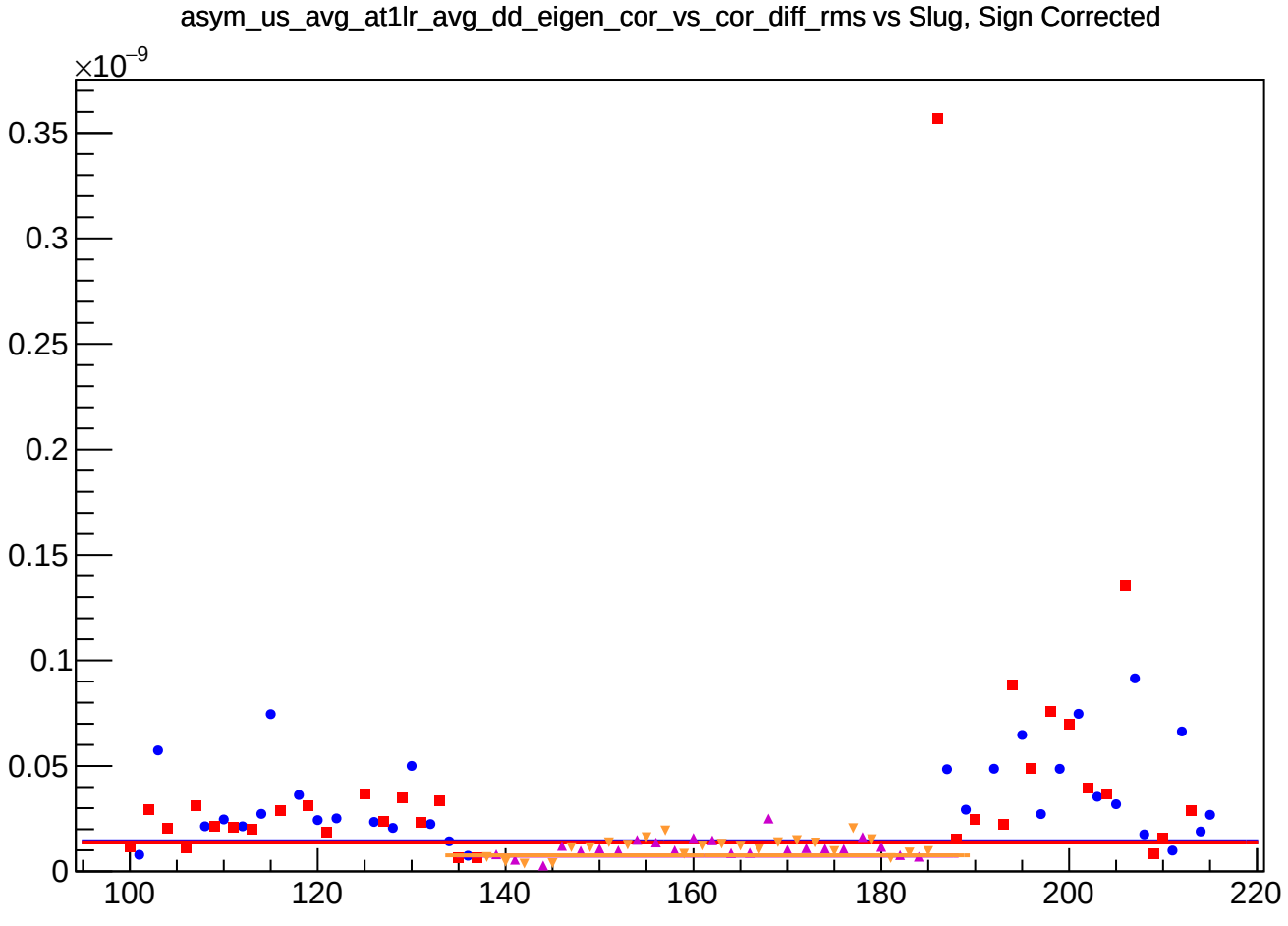
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: -0.000+/-0.000 χ^2/NDF: 49.1/62

In: -0.000+/-0.000 χ^2/NDF:41.8/53

Out: 0.000+/-0.000 χ^2/NDF:47.5/55

All: -0.000+/-0.000 χ^2/NDF: 91.9/109



Right In: 0.000+/-0.000 χ^2/NDF: 8269984.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8587597.3/31

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

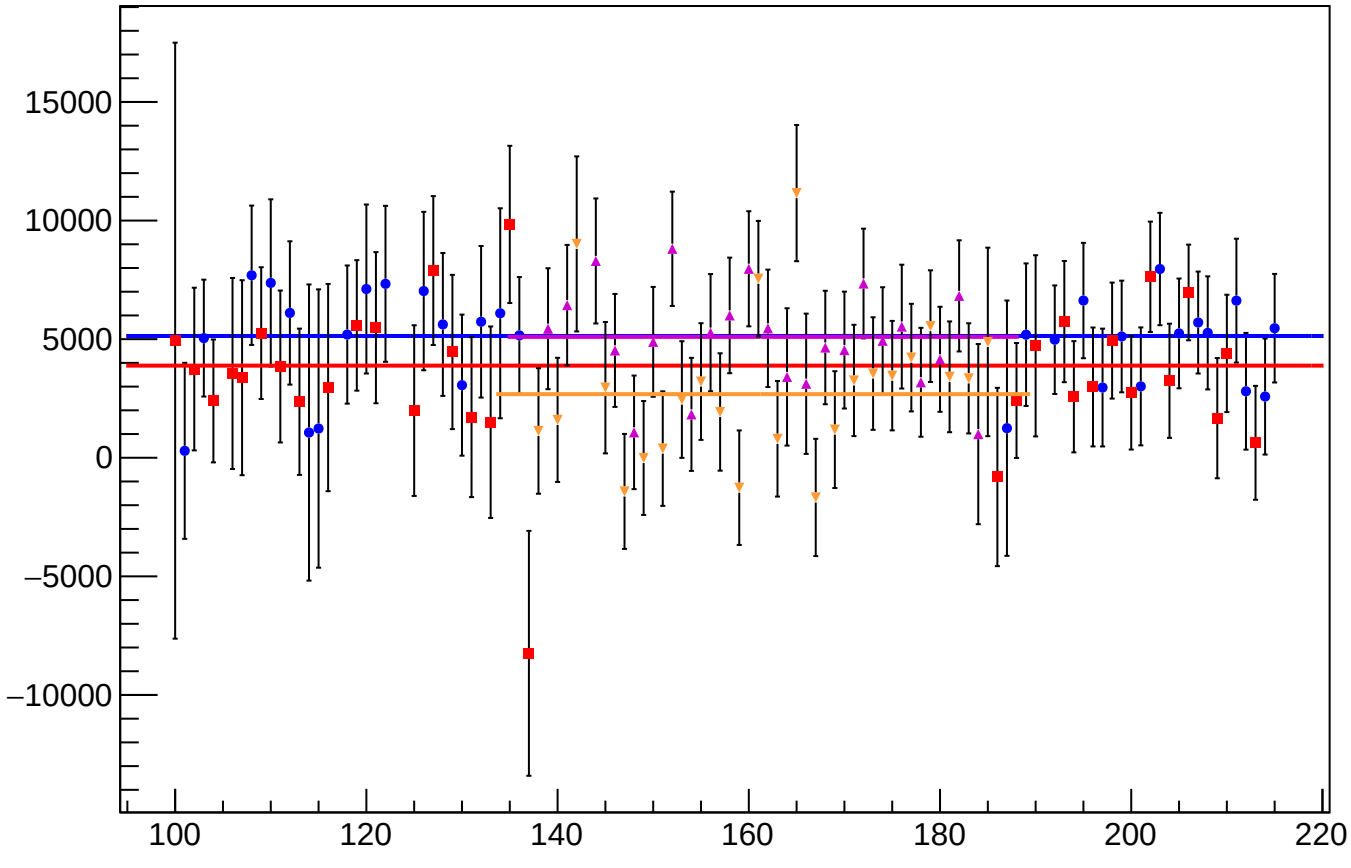
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 16864216.9/62

In: 0.000+/-0.000 χ^2/NDF:16843966.9/53

Out: 0.000+/-0.000 χ^2/NDF:16224975.5/55

All: 0.000+/-0.000 χ^2/NDF: 33069205.1/109



Right In: 5134.208+/-503.026 χ^2/NDF: 11.7/30

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3884.474+/-515.071 χ^2/NDF: 24.0/31

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

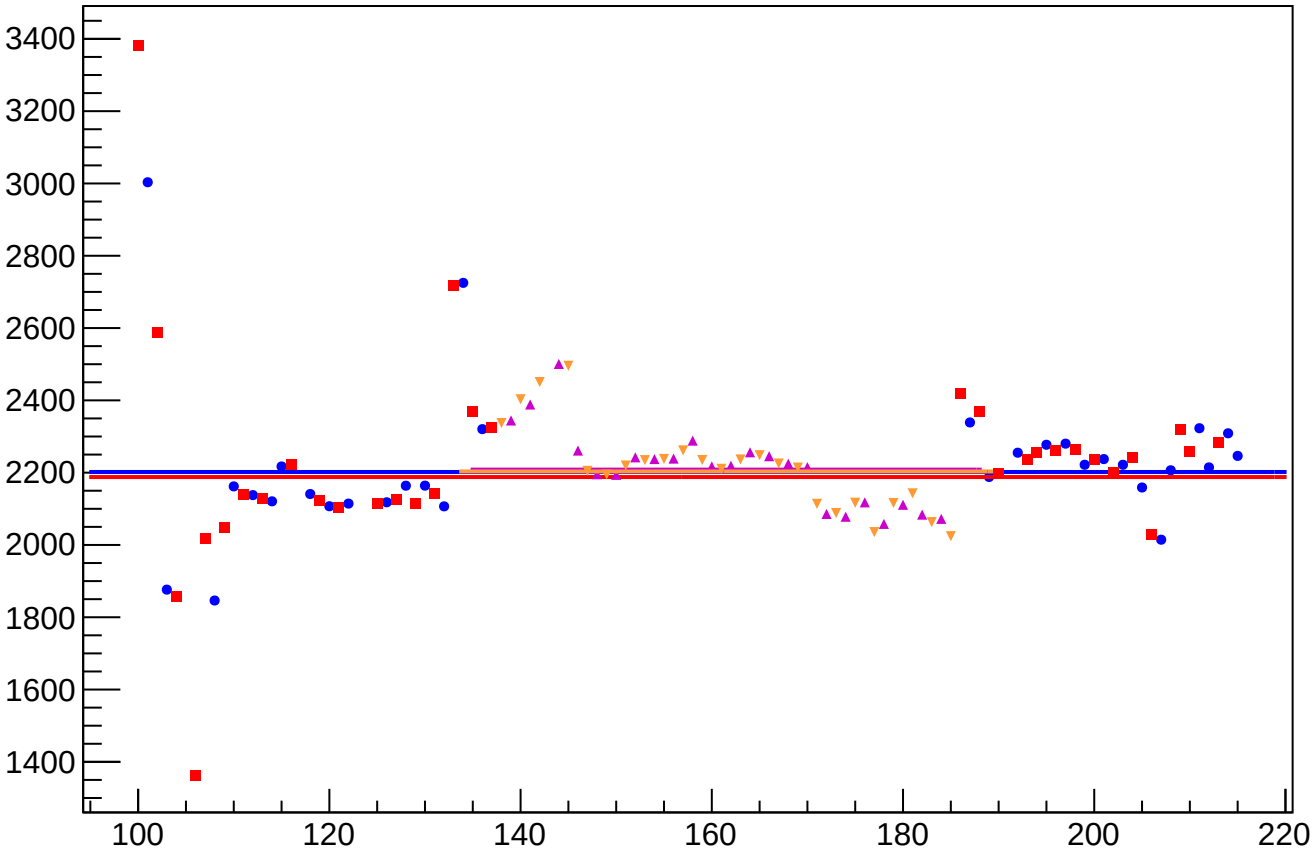
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4524.124+/-359.876 χ^2/NDF: 38.7/62

In: 5115.807+/-360.271 χ^2/NDF:26.7/53

Out: 3280.103+/-363.127 χ^2/NDF:57.5/55

All: 4205.200+/-255.754 χ^2/NDF: 97.1/109



Right In: 2201.870+/-0.356 χ^2/NDF: 230849.1/30

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2187.869+/-0.362 χ^2/NDF: 335969.9/31

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

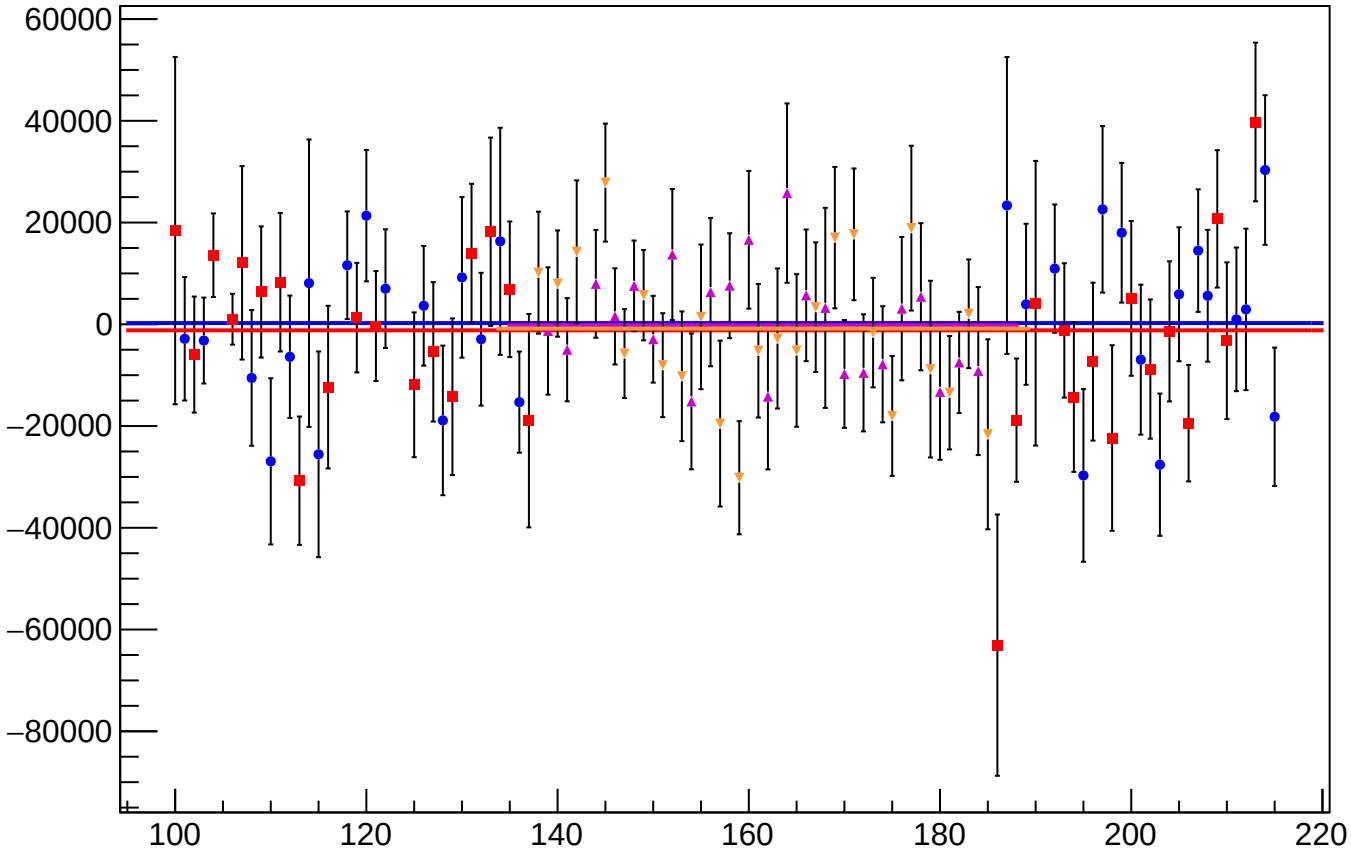
Right: 2194.989+/-0.254 χ^2/NDF: 567580.5/62

In: 2205.040+/-0.255 χ^2/NDF:312006.6/53

Out: 2195.578+/-0.256 χ^2/NDF:425086.6/55

All: 2200.331+/-0.181 χ^2/NDF: 737779.8/109

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 238.627+/-2438.031 χ^2/NDF: 35.0/30

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1184.206+/-2241.138 χ^2/NDF: 38.9/31

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

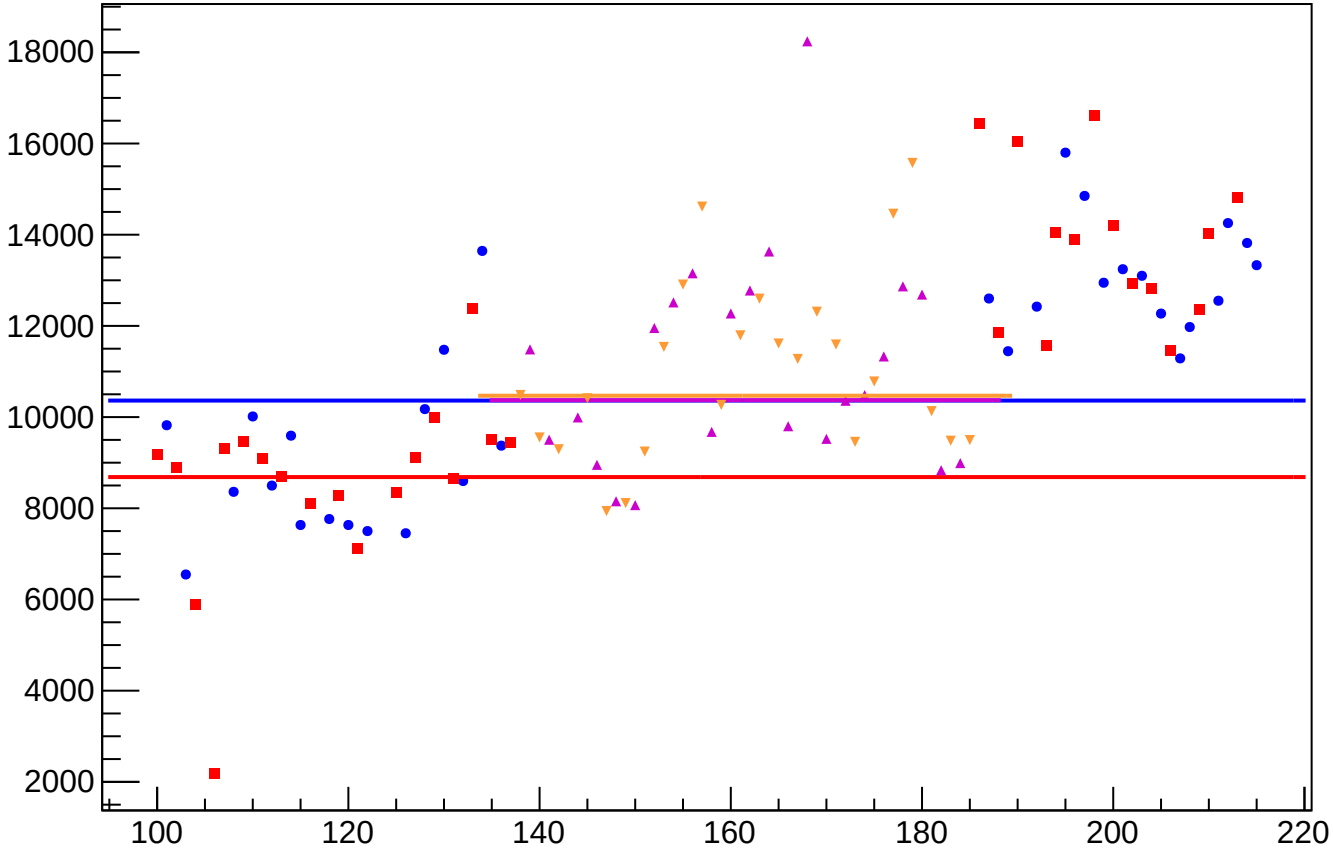
Right: -532.554+/-1649.947 χ^2/NDF: 74.1/62

In: 30.947+/-1735.564 χ^2/NDF:48.8/53

Out: -1026.647+/-1663.217 χ^2/NDF:68.4/55

All: -520.352+/-1200.834 χ^2/NDF: 117.4/109

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 10362.477+/-1.724 χ^2/NDF: 2219123.5/30

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8684.641+/-1.585 χ^2/NDF: 6656755.1/31

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

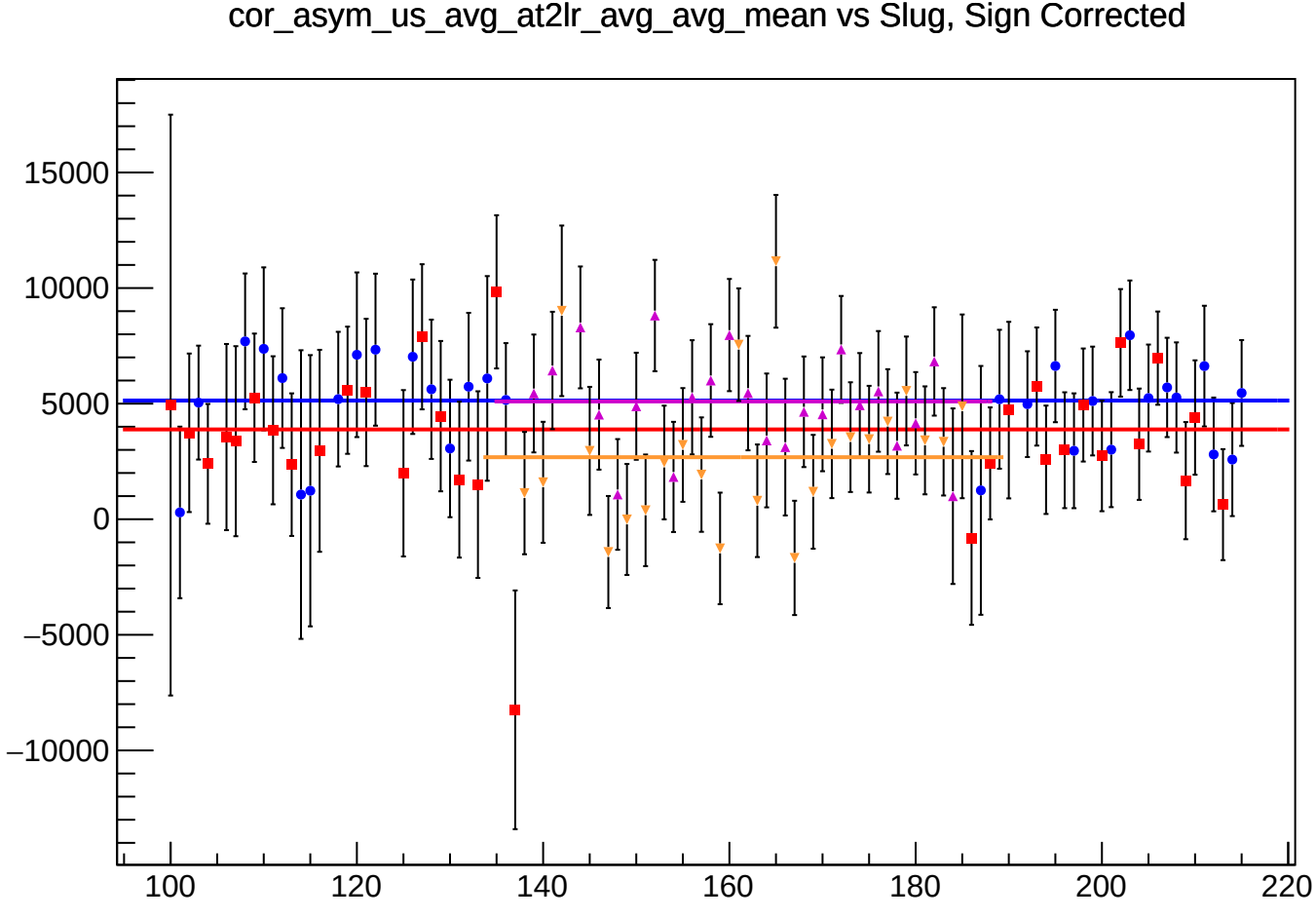
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9453.083+/-1.167 χ^2/NDF: 9389275.5/62

In: 10366.629+/-1.227 χ^2/NDF:3422893.4/53

Out: 9486.105+/-1.176 χ^2/NDF:8271363.6/55

All: 9907.633+/-0.849 χ^2/NDF: 11962605.5/1



Right In: 5134.227+/-503.026 χ^2/NDF: 11.7/30

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3884.400+/-515.071 χ^2/NDF: 24.0/31

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

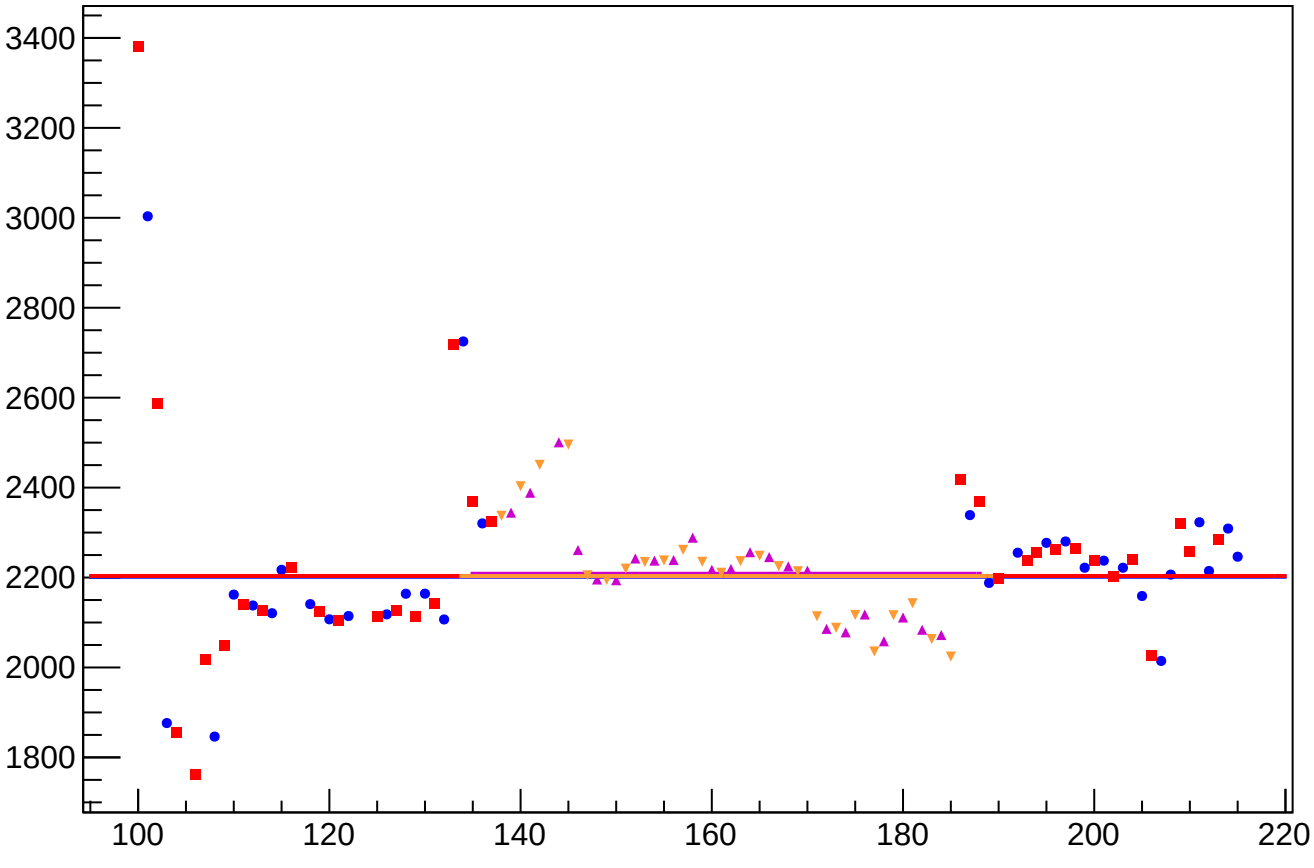
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4524.098+/-359.876 χ^2/NDF: 38.7/62

In: 5115.771+/-360.271 χ^2/NDF:26.7/53

Out: 3280.027+/-363.127 χ^2/NDF:57.5/55

All: 4205.145+/-255.754 χ^2/NDF: 97.1/109



Right In: 2201.870+/-0.356 χ^2/NDF: 230849.5/30

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2203.466+/-0.363 χ^2/NDF: 210696.7/31

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

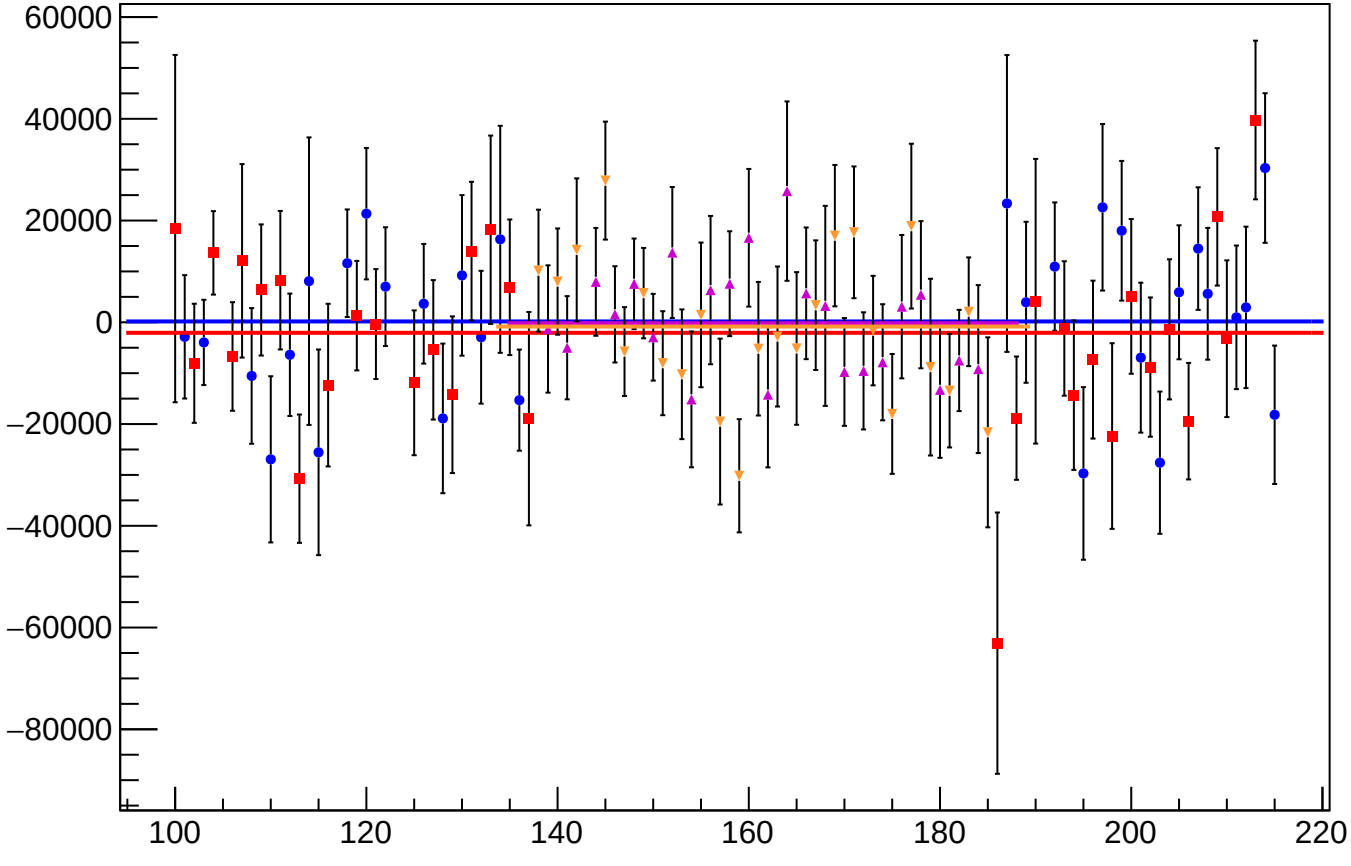
Right: 2202.651+/-0.254 χ^2/NDF: 441556.1/62

In: 2205.040+/-0.255 χ^2/NDF:312007.0/53

Out: 2203.381+/-0.257 χ^2/NDF:298905.1/55

All: 2204.216+/-0.181 χ^2/NDF: 610933.1/109

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 169.730+/-2436.469 χ^2/NDF: 35.1/30

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2064.666+/-2443.000 χ^2/NDF: 39.1/31

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

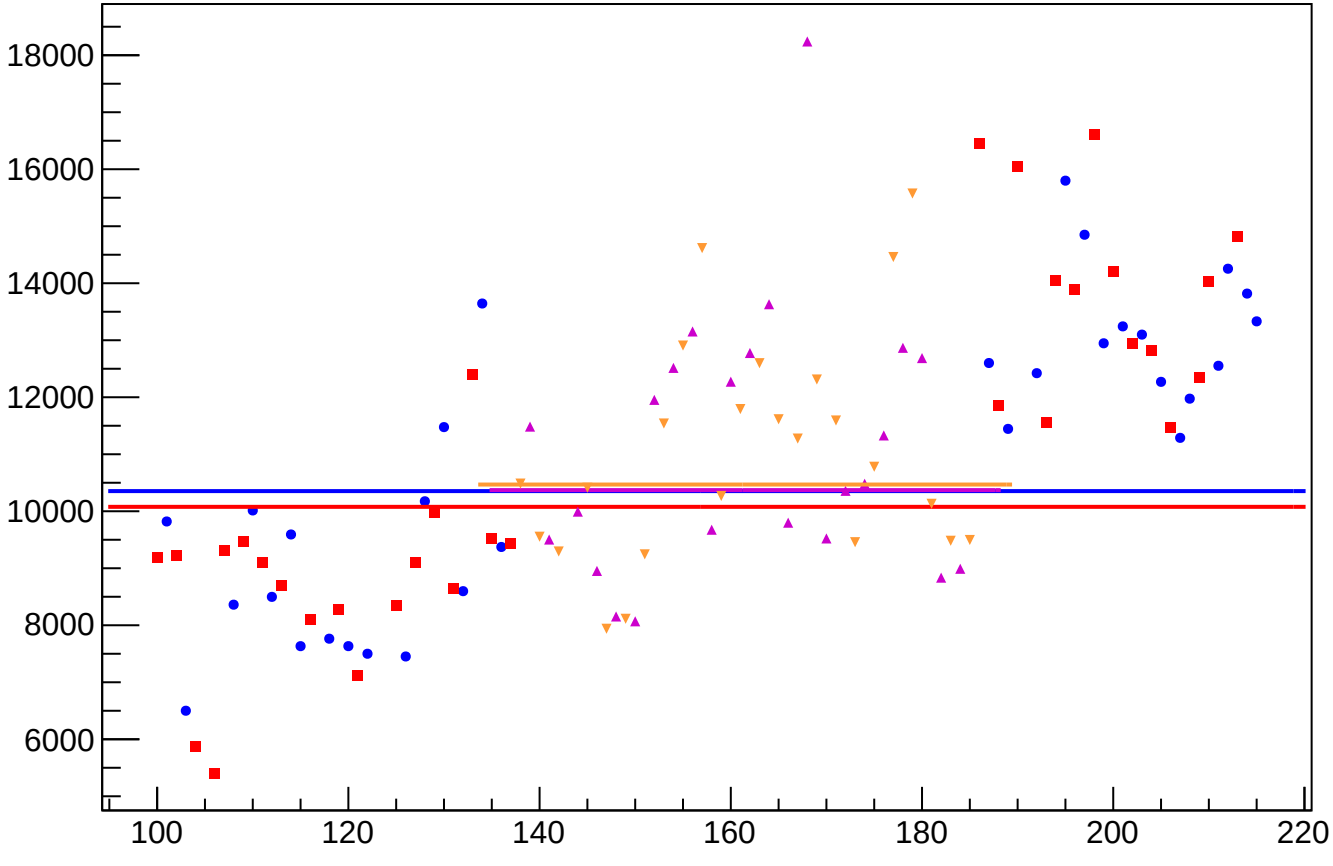
Right: -944.478+/-1725.148 χ^2/NDF: 74.6/62

In: -3.822+/-1735.000 χ^2/NDF:48.9/53

Out: -1458.679+/-1740.903 χ^2/NDF:68.7/55

All: -728.780+/-1228.912 χ^2/NDF: 117.9/109

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 10353.579+/-1.723 χ^2/NDF: 2235691.1/30

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10077.495+/-1.727 χ^2/NDF: 2818555.3/31

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

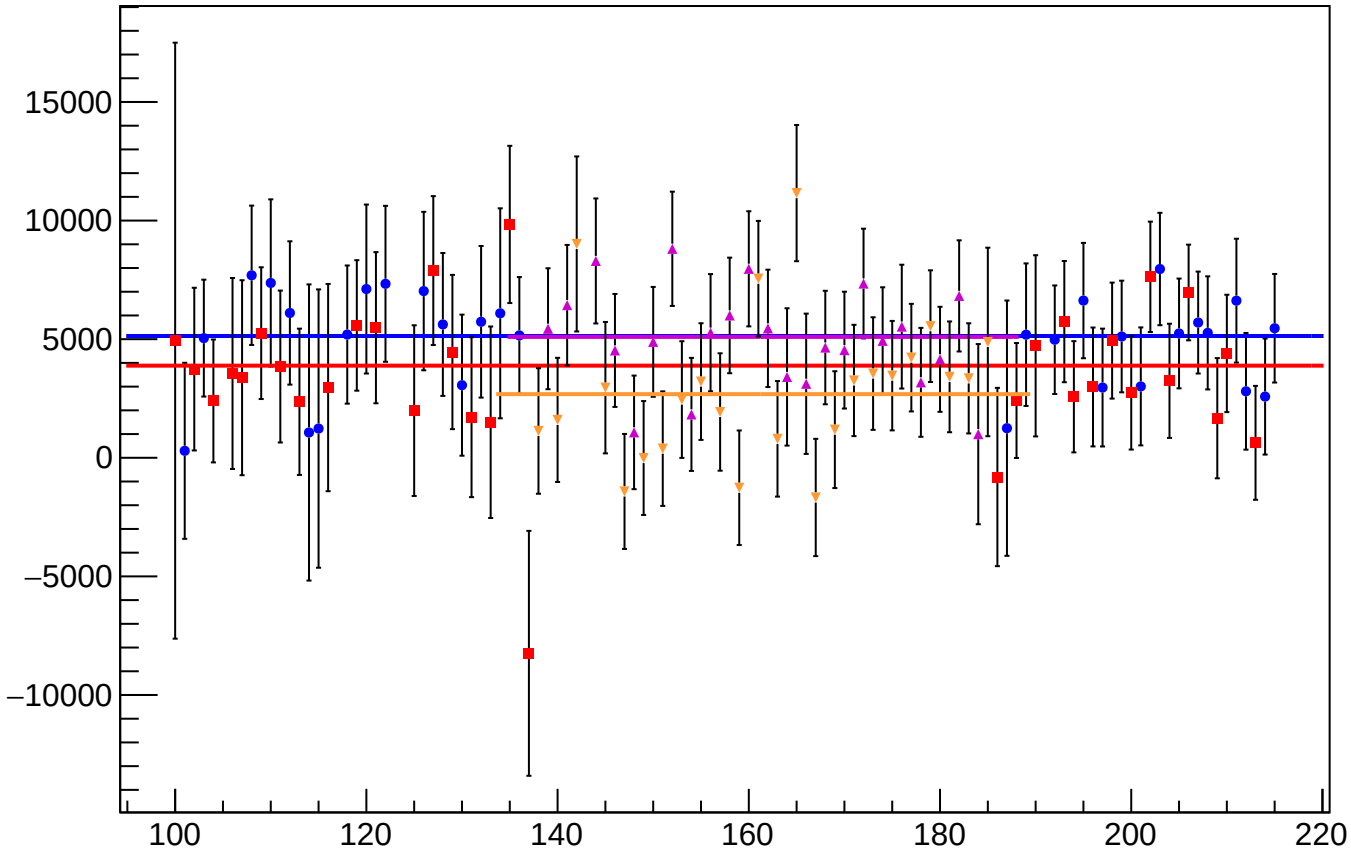
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10215.907+/-1.220 χ^2/NDF: 5067051.9/62

In: 10362.110+/-1.227 χ^2/NDF:3439504.6/53

Out: 10270.030+/-1.231 χ^2/NDF:3889052.8/55

All: 10316.226+/-0.869 χ^2/NDF: 7331364.5/1



Right In: 5134.227+/-503.026 χ^2/NDF: 11.7/30

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3884.400+/-515.071 χ^2/NDF: 24.0/31

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

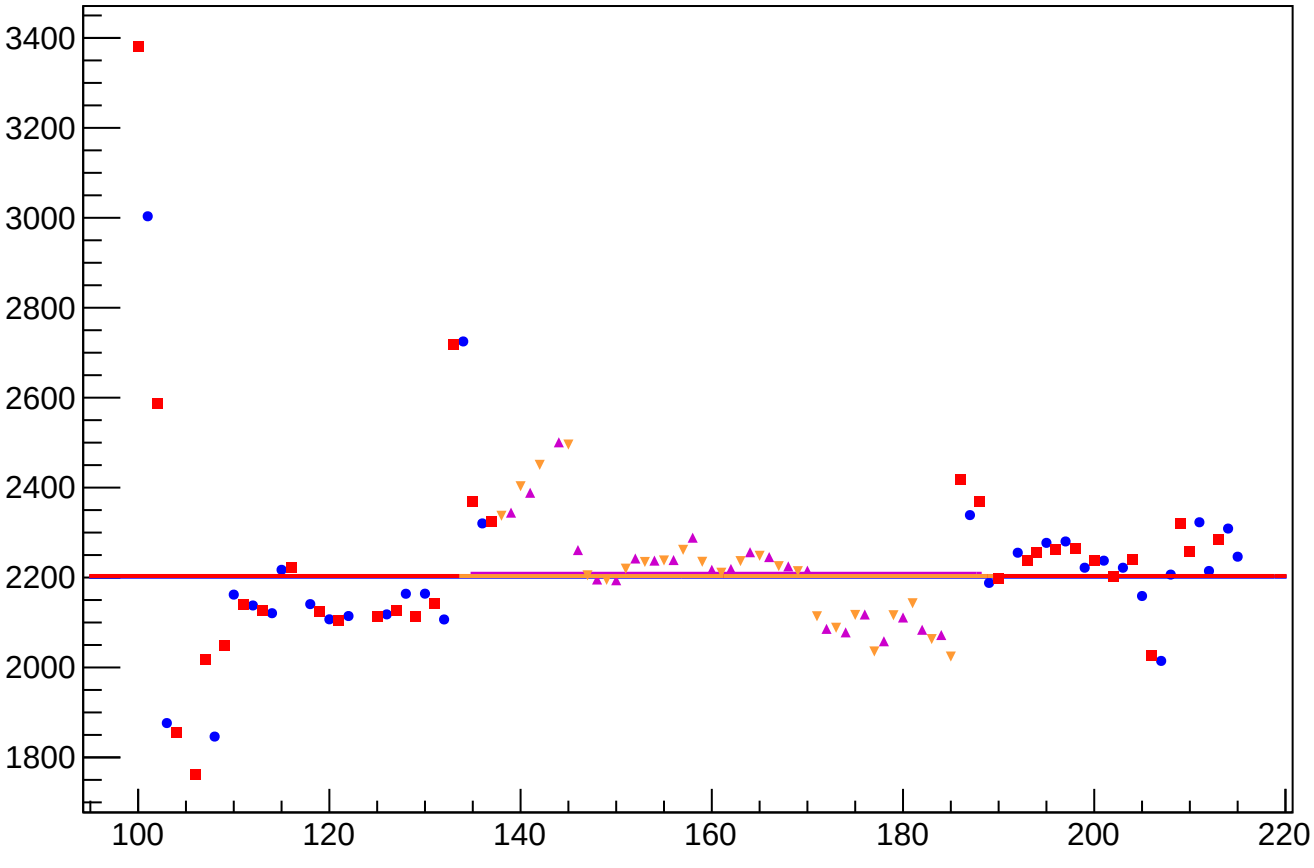
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4524.098+/-359.876 χ^2/NDF: 38.7/62

In: 5115.771+/-360.271 χ^2/NDF:26.7/53

Out: 3280.027+/-363.127 χ^2/NDF:57.5/55

All: 4205.145+/-255.754 χ^2/NDF: 97.1/109



Right In: 2201.870+/-0.356 χ^2/NDF: 230849.5/30

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2203.466+/-0.363 χ^2/NDF: 210696.7/31

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

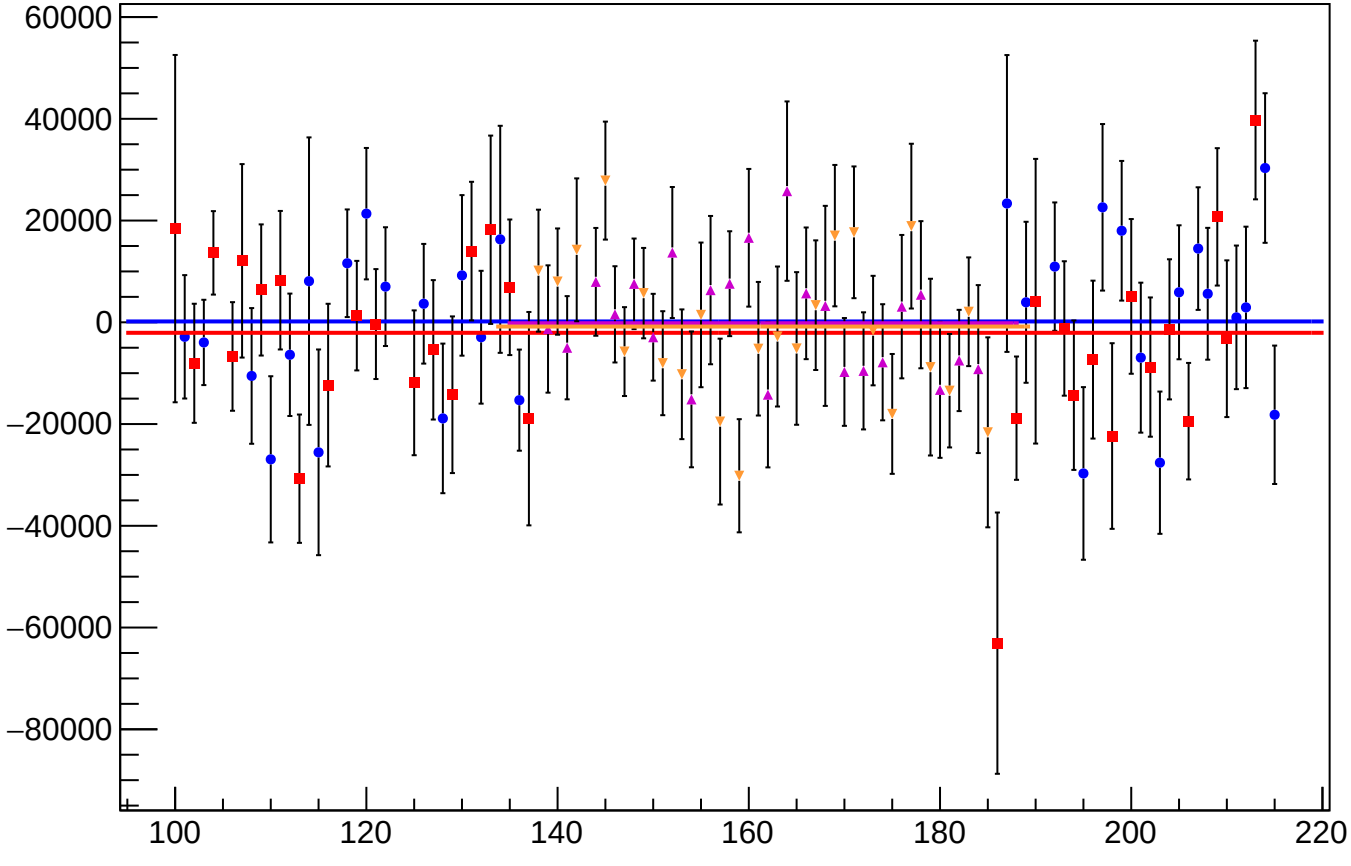
Right: 2202.651+/-0.254 χ^2/NDF: 441556.1/62

In: 2205.040+/-0.255 χ^2/NDF:312007.0/53

Out: 2203.381+/-0.257 χ^2/NDF:298905.1/55

All: 2204.216+/-0.181 χ^2/NDF: 610933.1/109

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 169.730+/-2436.469 χ^2/NDF: 35.1/30

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2064.666+/-2443.000 χ^2/NDF: 39.1/31

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

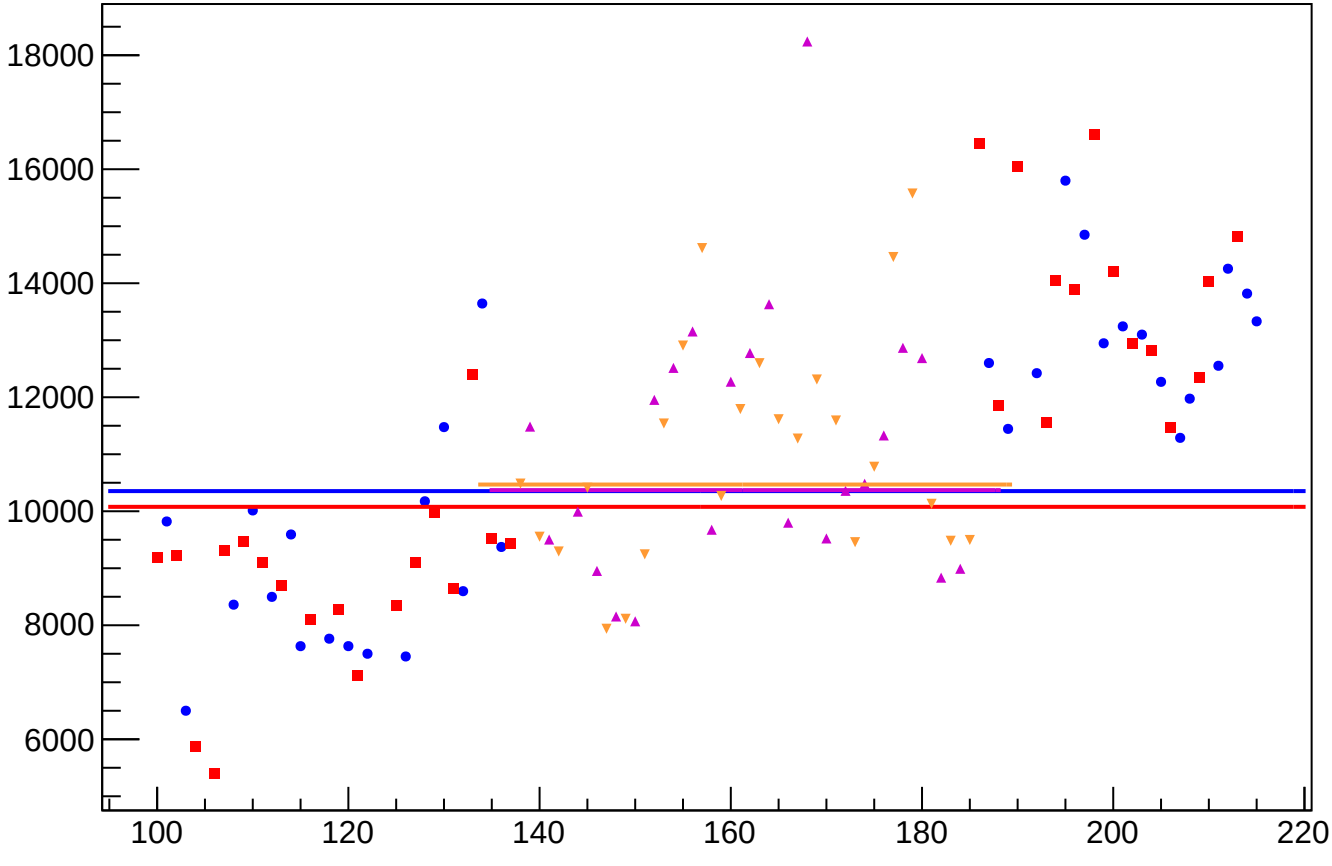
Right: -944.478+/-1725.148 χ^2/NDF: 74.6/62

In: -3.822+/-1735.000 χ^2/NDF:48.9/53

Out: -1458.679+/-1740.903 χ^2/NDF:68.7/55

All: -728.780+/-1228.912 χ^2/NDF: 117.9/109

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 10353.579+/-1.723 χ^2/NDF: 2235691.1/30

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10077.495+/-1.727 χ^2/NDF: 2818555.3/31

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

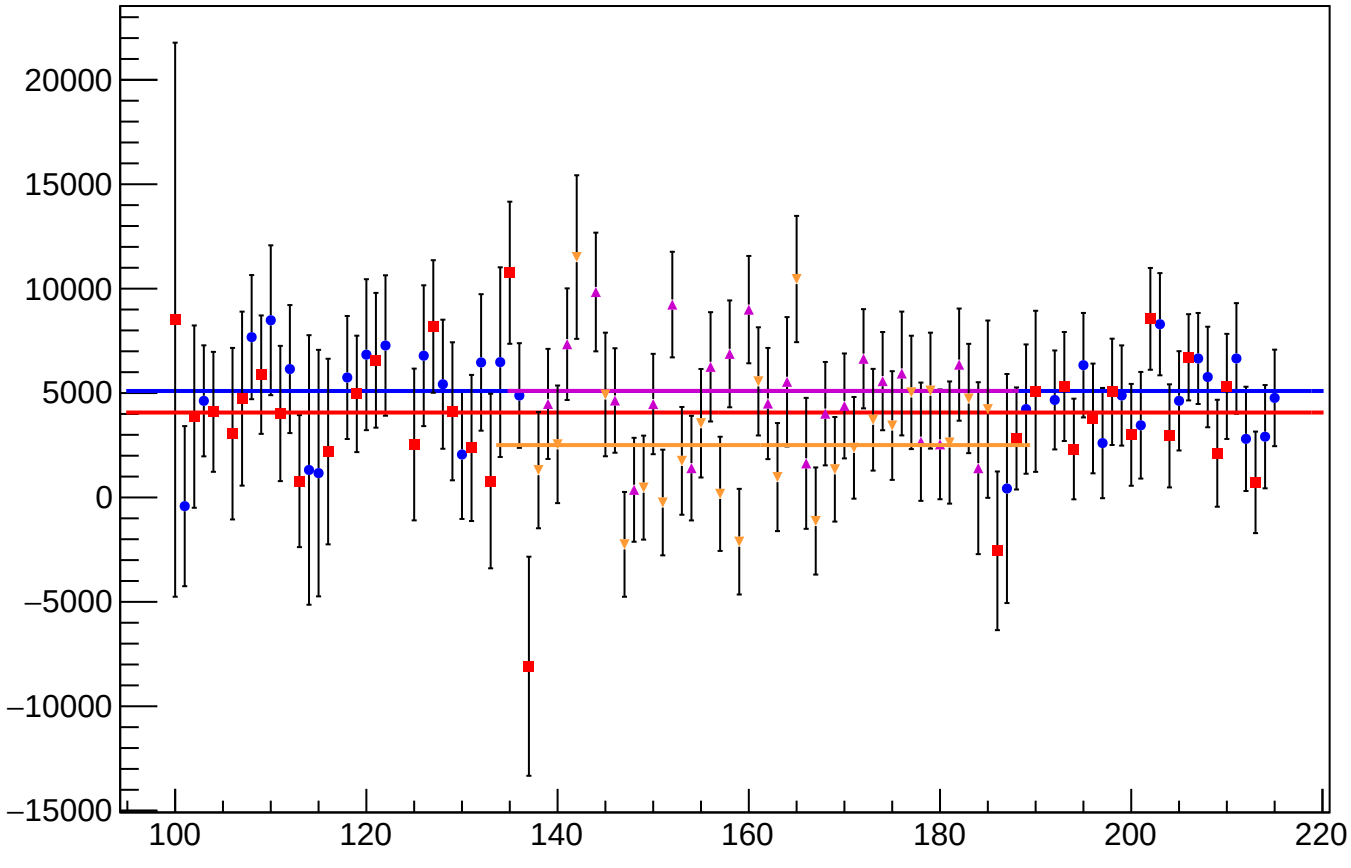
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10215.907+/-1.220 χ^2/NDF: 5067051.9/62

In: 10362.110+/-1.227 χ^2/NDF:3439504.6/53

Out: 10270.030+/-1.231 χ^2/NDF:3889052.8/55

All: 10316.226+/-0.869 χ^2/NDF: 7331364.5/1



Right In: 5099.256+/-515.366 χ^2/NDF: 13.6/30

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 4067.803+/-530.326 χ^2/NDF: 26.9/31

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

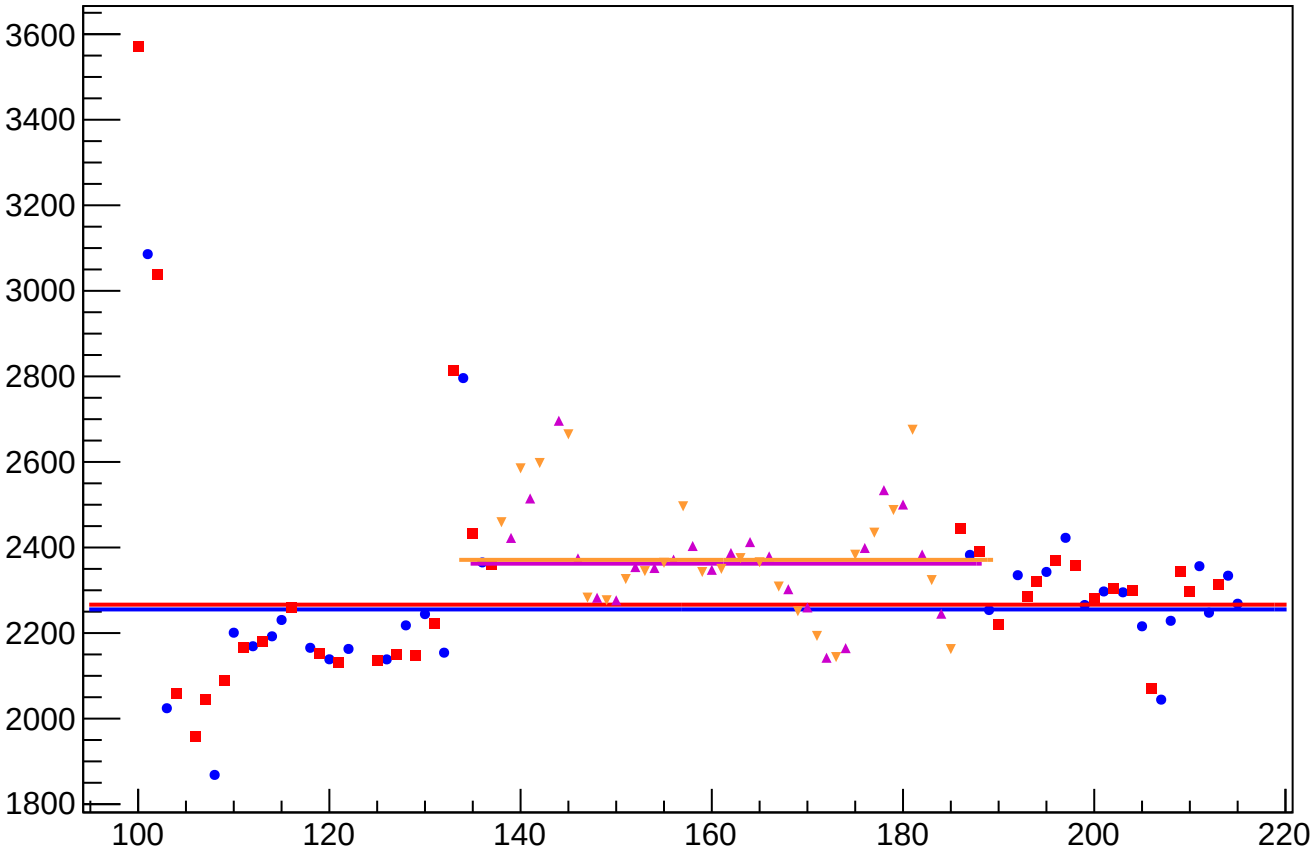
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4598.283+/-369.595 χ^2/NDF: 42.5/62

In: 5100.994+/-376.890 χ^2/NDF:33.5/53

Out: 3319.030+/-382.297 χ^2/NDF:60.9/55

All: 4222.704+/-268.393 χ^2/NDF: 105.4/109



Right In: 2255.205+/-0.364 χ^2/NDF: 226893.1/30

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2266.399+/-0.375 χ^2/NDF: 214259.8/31

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

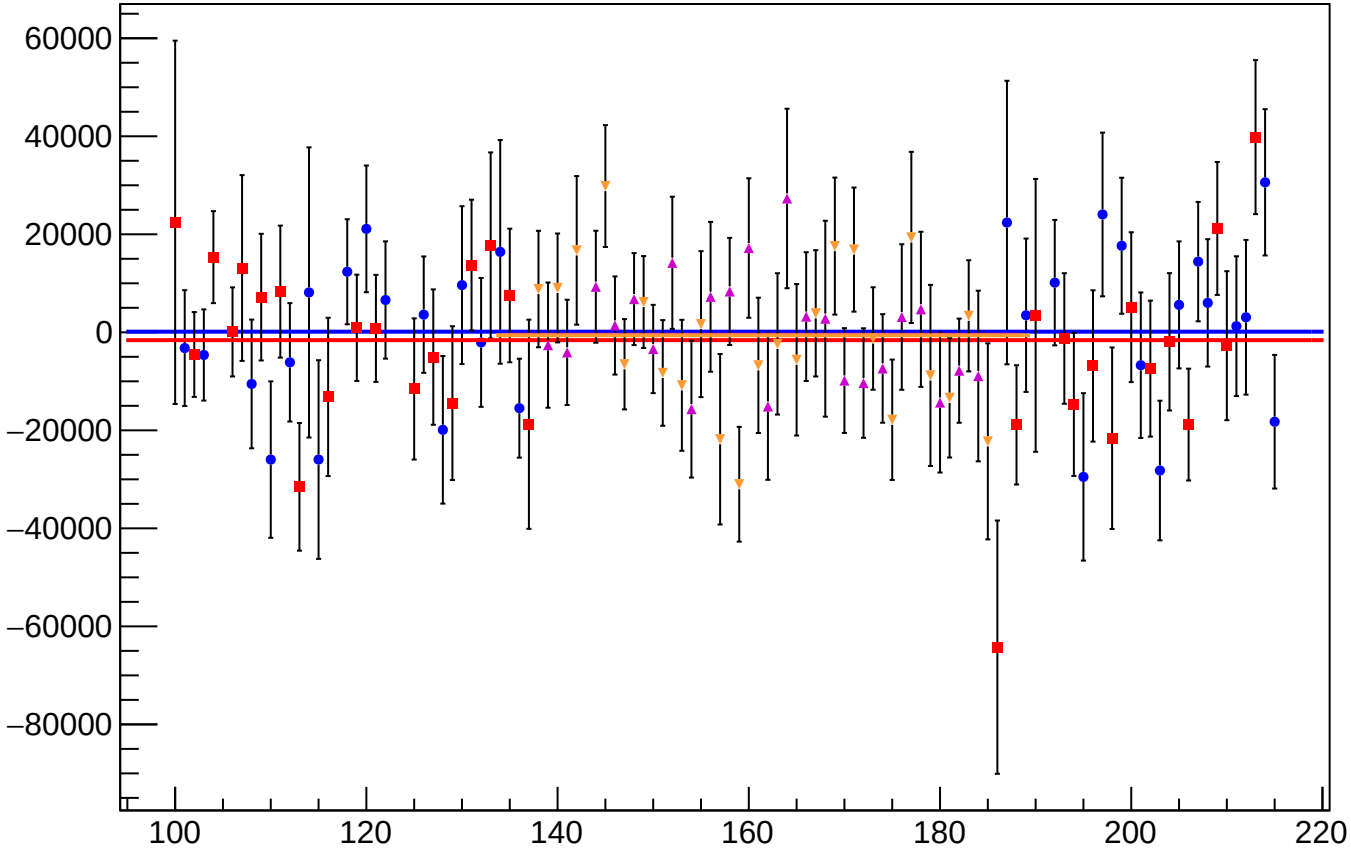
Right: 2260.643+/-0.261 χ^2/NDF: 441611.3/62

In: 2304.987+/-0.267 χ^2/NDF:358905.0/53

Out: 2316.696+/-0.270 χ^2/NDF:368036.9/55

All: 2310.759+/-0.190 χ^2/NDF: 727893.6/109

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 129.293+/-2470.166 χ^2/NDF: 34.9/30

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -1599.487+/-2414.209 χ^2/NDF: 38.4/31

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

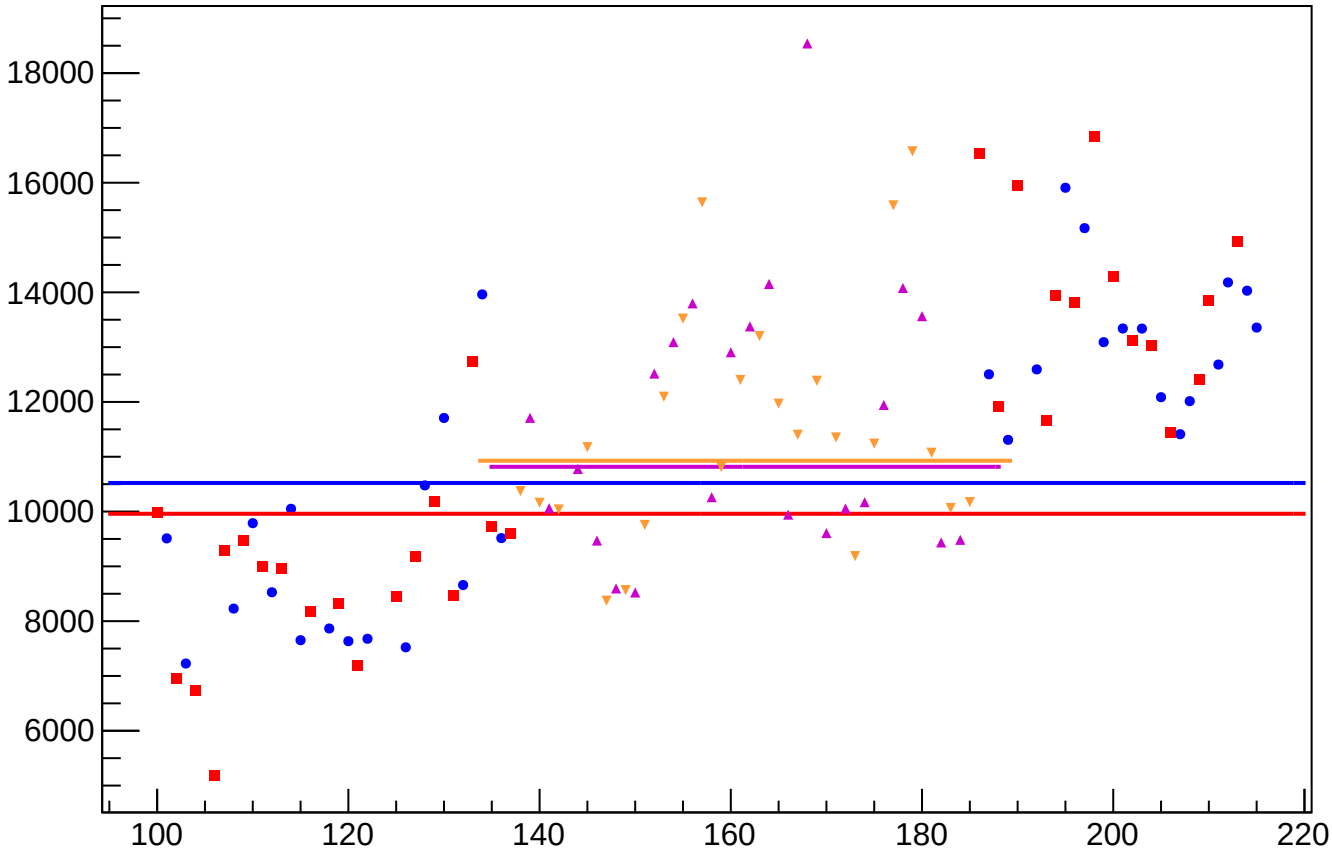
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: -754.900+/-1726.547 χ^2/NDF: 73.6/62

In: -167.246+/-1783.314 χ^2/NDF:48.5/53

Out: -1138.646+/-1765.957 χ^2/NDF:67.4/55

All: -657.697+/-1254.812 χ^2/NDF: 116.0/109



Right In: 10521.589+/-1.747 χ^2/NDF: 2061185.5/30

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 9959.492+/-1.707 χ^2/NDF: 2998611.5/31

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

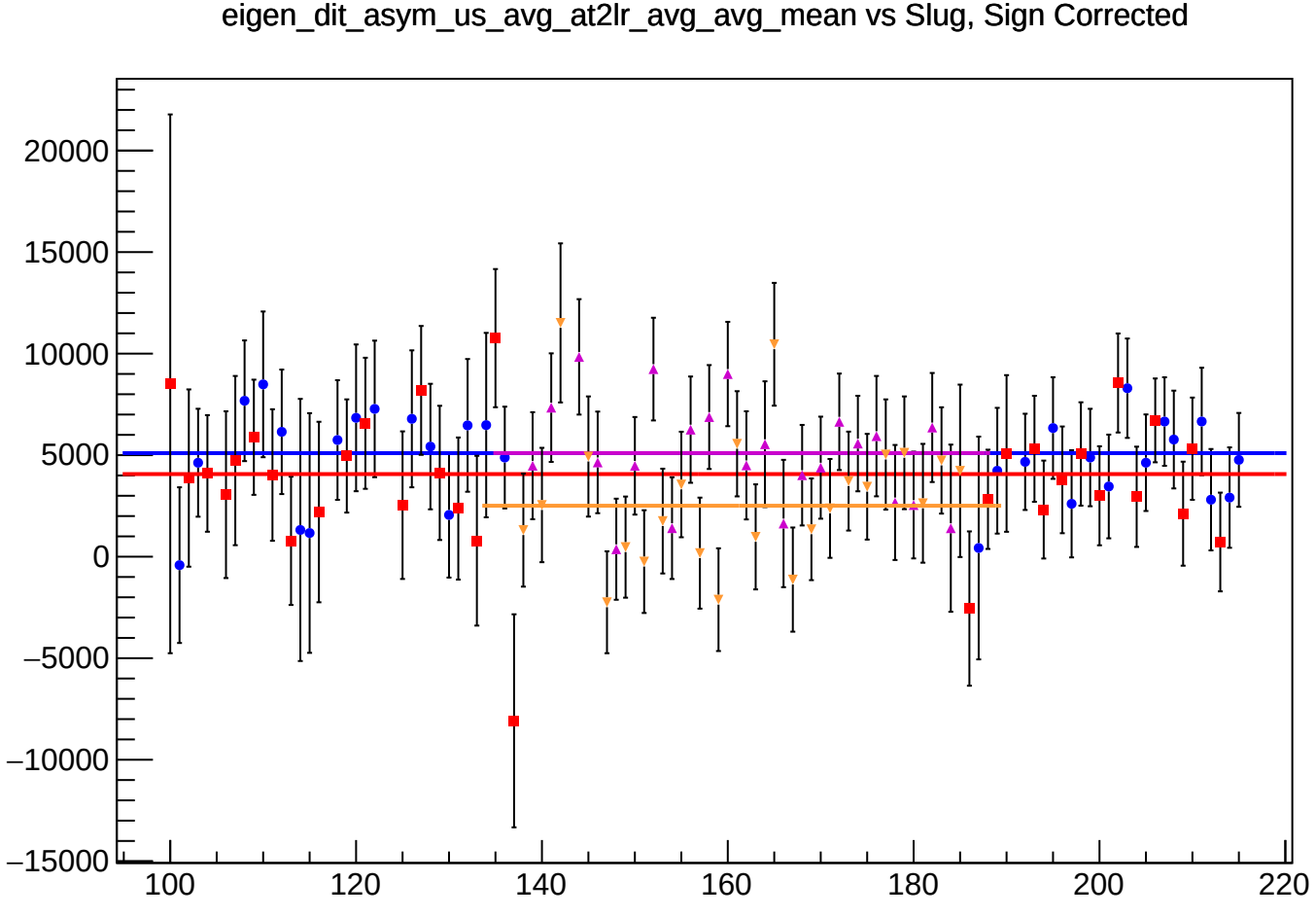
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 10234.101+/-1.221 χ^2/NDF: 5112764.3/62

In: 10662.706+/-1.261 χ^2/NDF:3271639.3/53

Out: 10409.250+/-1.249 χ^2/NDF:4205239.9/55

All: 10534.739+/-0.887 χ^2/NDF: 7497276.6/



Right In: 5099.251+/-515.366 χ^2/NDF: 13.6/30

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 4067.800+/-530.326 χ^2/NDF: 26.9/31

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

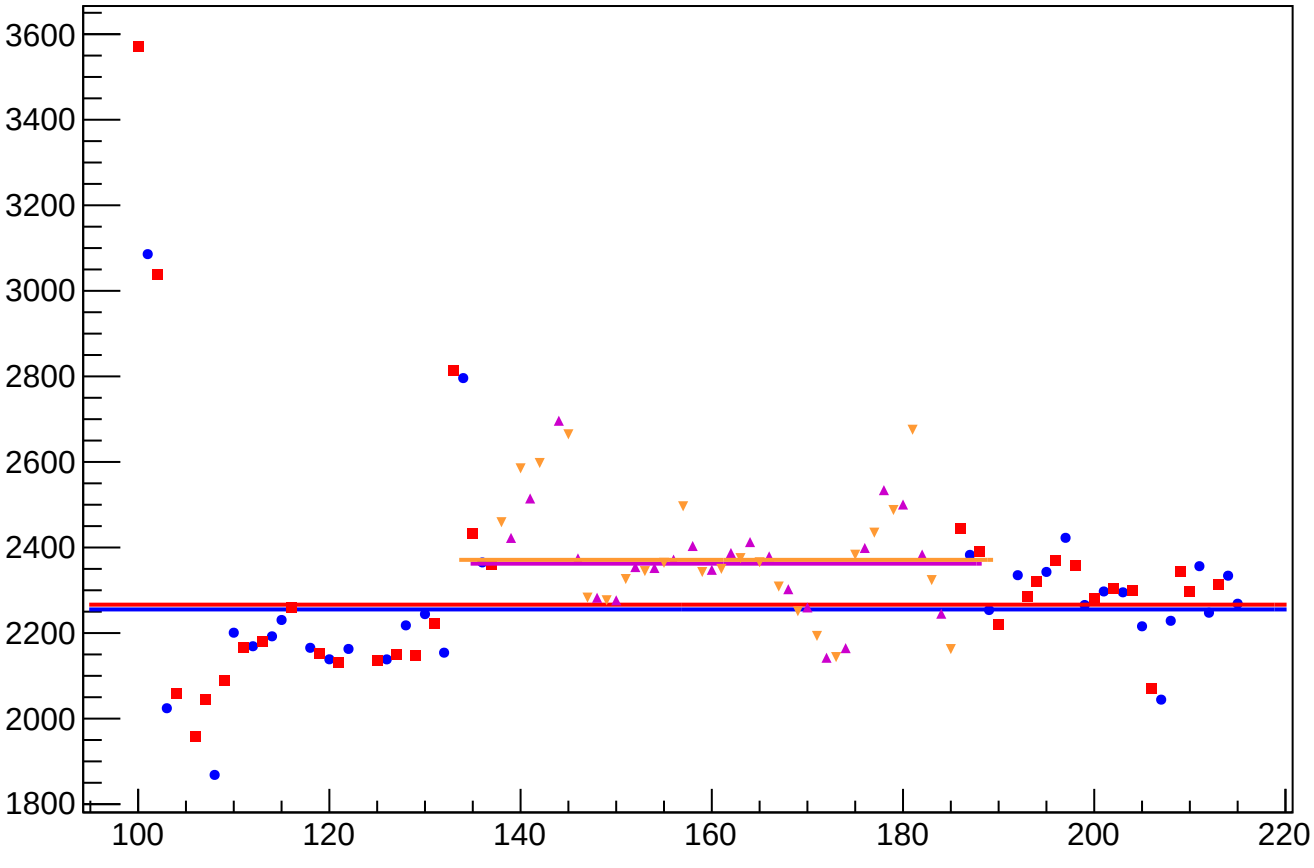
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4598.279+/-369.595 χ^2/NDF: 42.5/62

In: 5100.993+/-376.890 χ^2/NDF:33.5/53

Out: 3319.023+/-382.297 χ^2/NDF:60.9/55

All: 4222.700+/-268.393 χ^2/NDF: 105.4/109



Right In: 2255.204+/-0.364 χ^2/NDF: 226893.4/30

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2266.399+/-0.375 χ^2/NDF: 214260.3/31

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

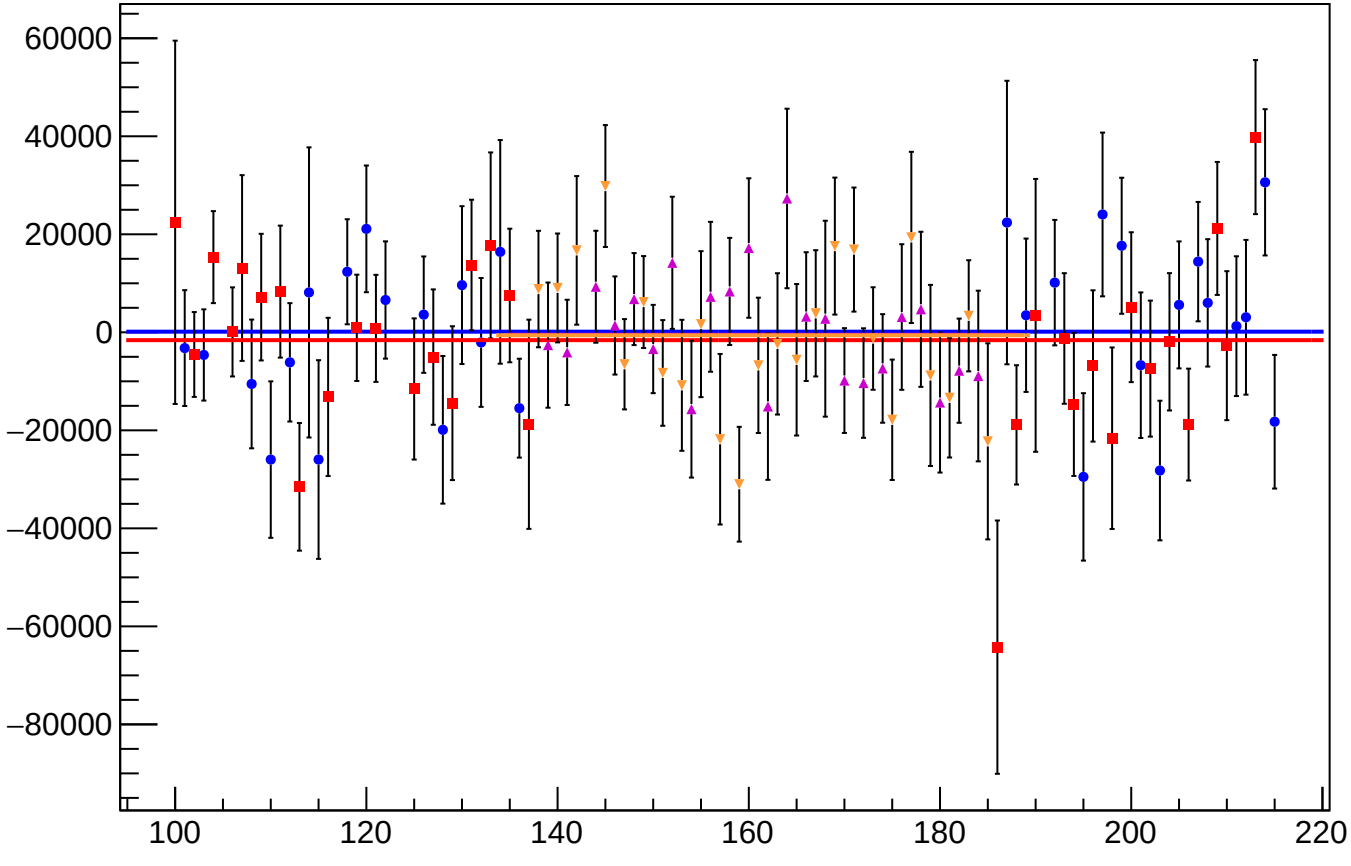
Right: 2260.643+/-0.261 χ^2/NDF: 441612.1/62

In: 2304.988+/-0.267 χ^2/NDF:358912.5/53

Out: 2316.697+/-0.270 χ^2/NDF:368044.1/55

All: 2310.760+/-0.190 χ^2/NDF: 727908.3/109

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 129.298+/-2470.165 χ^2/NDF: 34.9/30

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -1599.477+/-2414.206 χ^2/NDF: 38.4/31

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

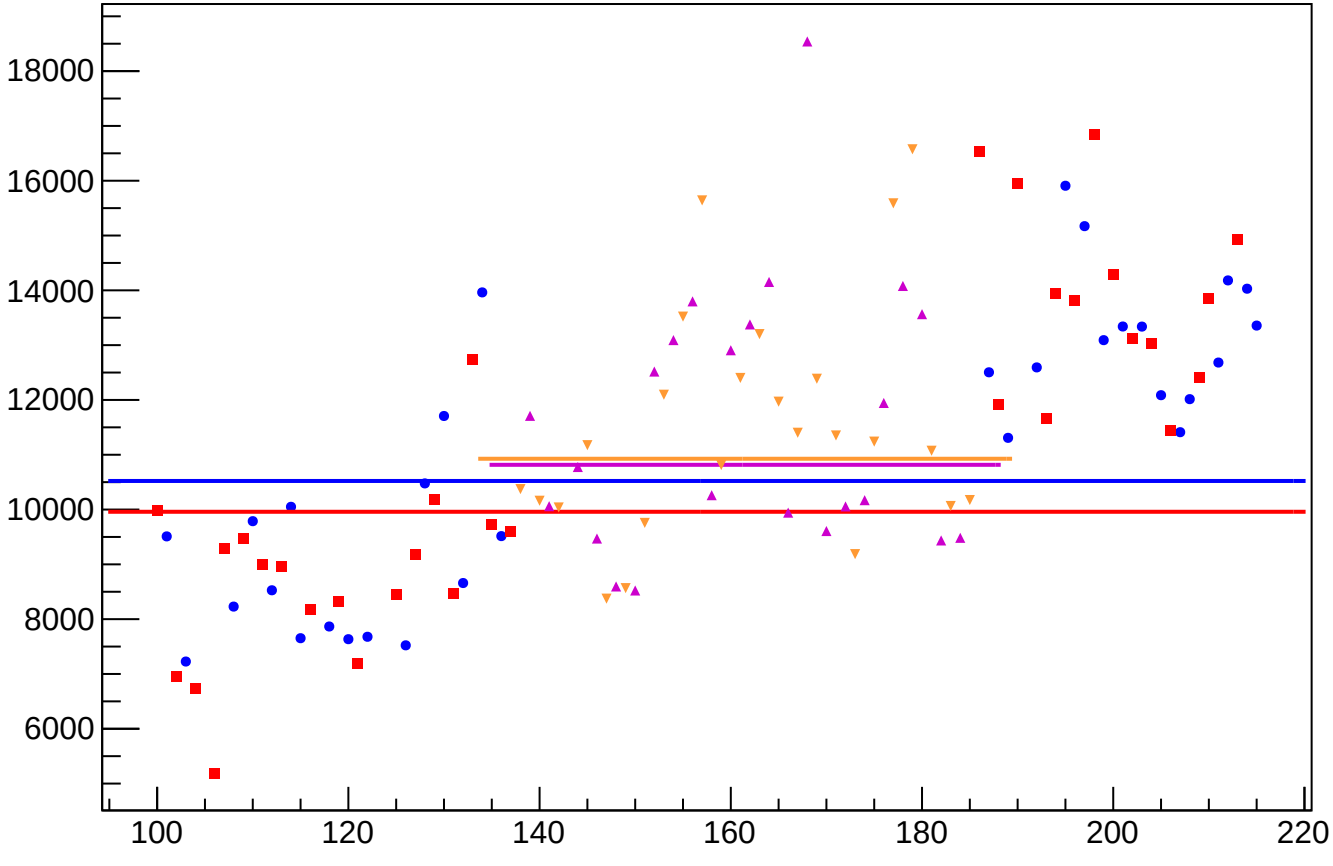
Right: -754.893+/-1726.546 χ^2/NDF: 73.6/62

In: -167.244+/-1783.315 χ^2/NDF:48.5/53

Out: -1138.646+/-1765.957 χ^2/NDF:67.4/55

All: -657.696+/-1254.812 χ^2/NDF: 116.0/109

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 10521.578+/-1.747 χ^2/NDF: 2061219.0/30

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9959.479+/-1.707 χ^2/NDF: 2998638.5/31

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

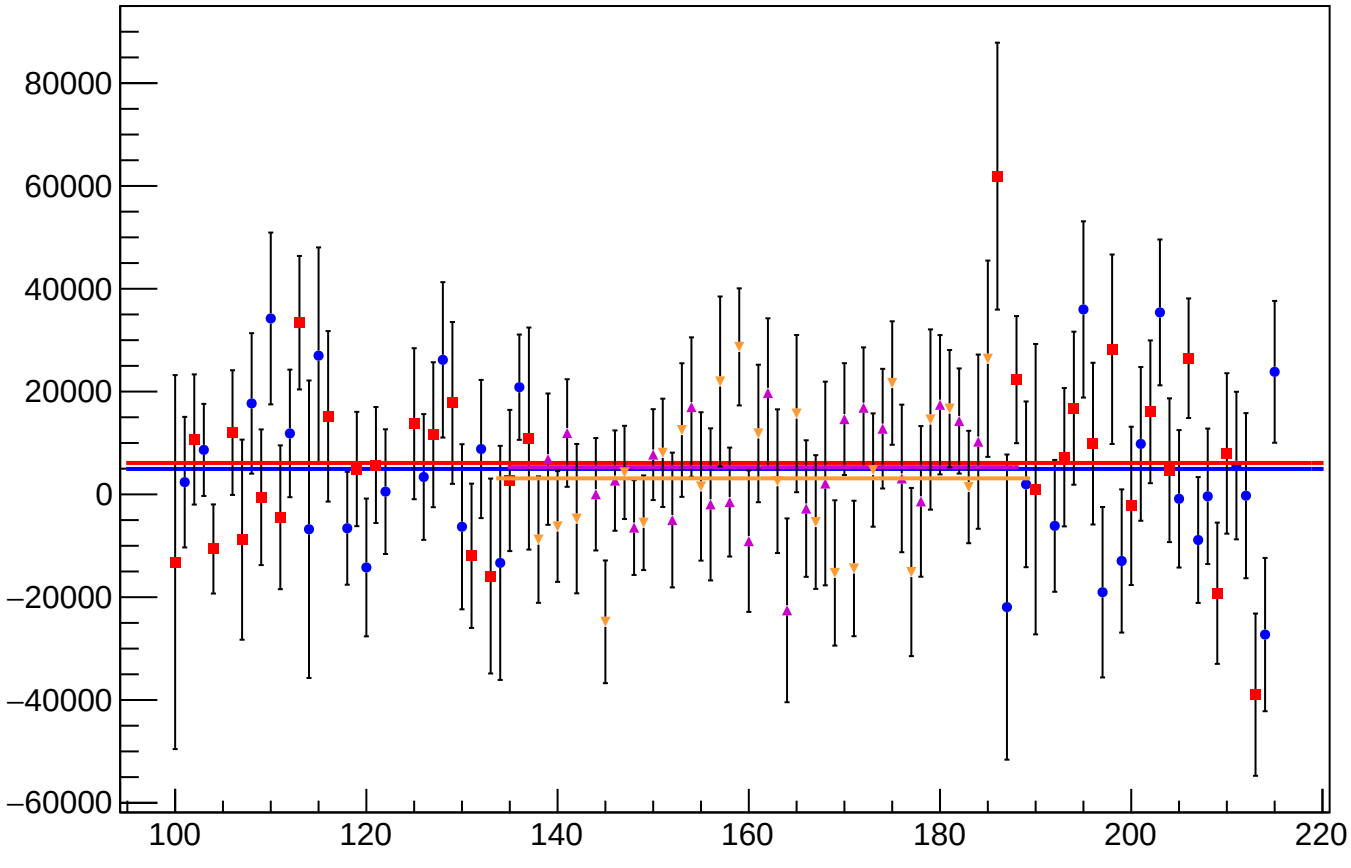
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 10234.090+/-1.221 χ^2/NDF: 5112825.3/62

In: 10662.709+/-1.261 χ^2/NDF:3271678.8/53

Out: 10409.251+/-1.249 χ^2/NDF:4205278.7/55

All: 10534.740+/-0.887 χ^2/NDF: 7497355.3/



Right In: 4949.175+/-2505.131 χ^2/NDF: 36.2/30

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 6115.145+/-2525.934 χ^2/NDF: 38.4/31

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

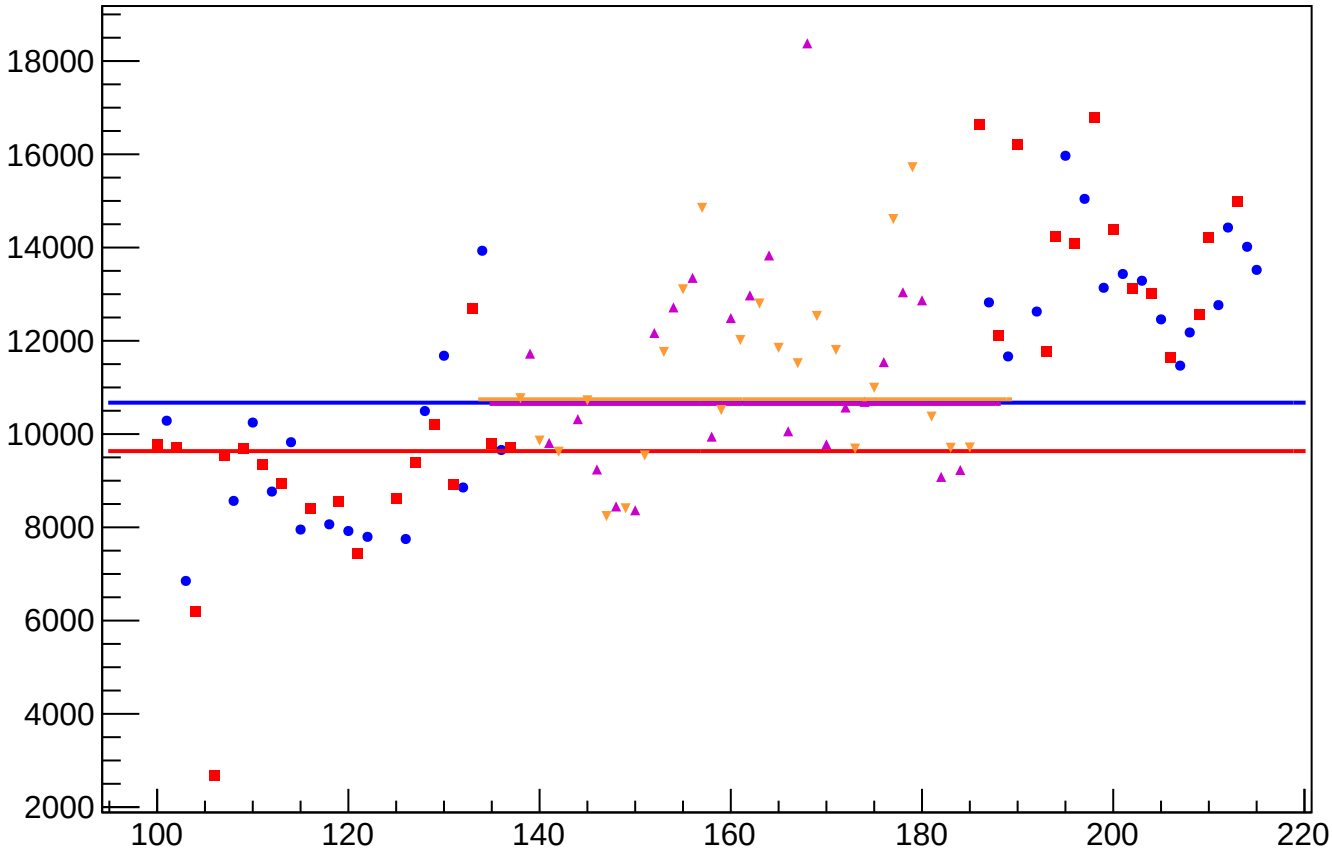
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 5527.339+/-1778.704 χ^2/NDF: 74.8/62

In: 5118.057+/-1781.165 χ^2/NDF:49.6/53

Out: 4627.155+/-1792.058 χ^2/NDF:66.6/55

All: 4874.102+/-1263.307 χ^2/NDF: 116.2/109



Right In: 10673.638+/-1.771 χ^2/NDF: 2027538.9/30

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 9634.586+/-1.705 χ^2/NDF: 4660580.8/31

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

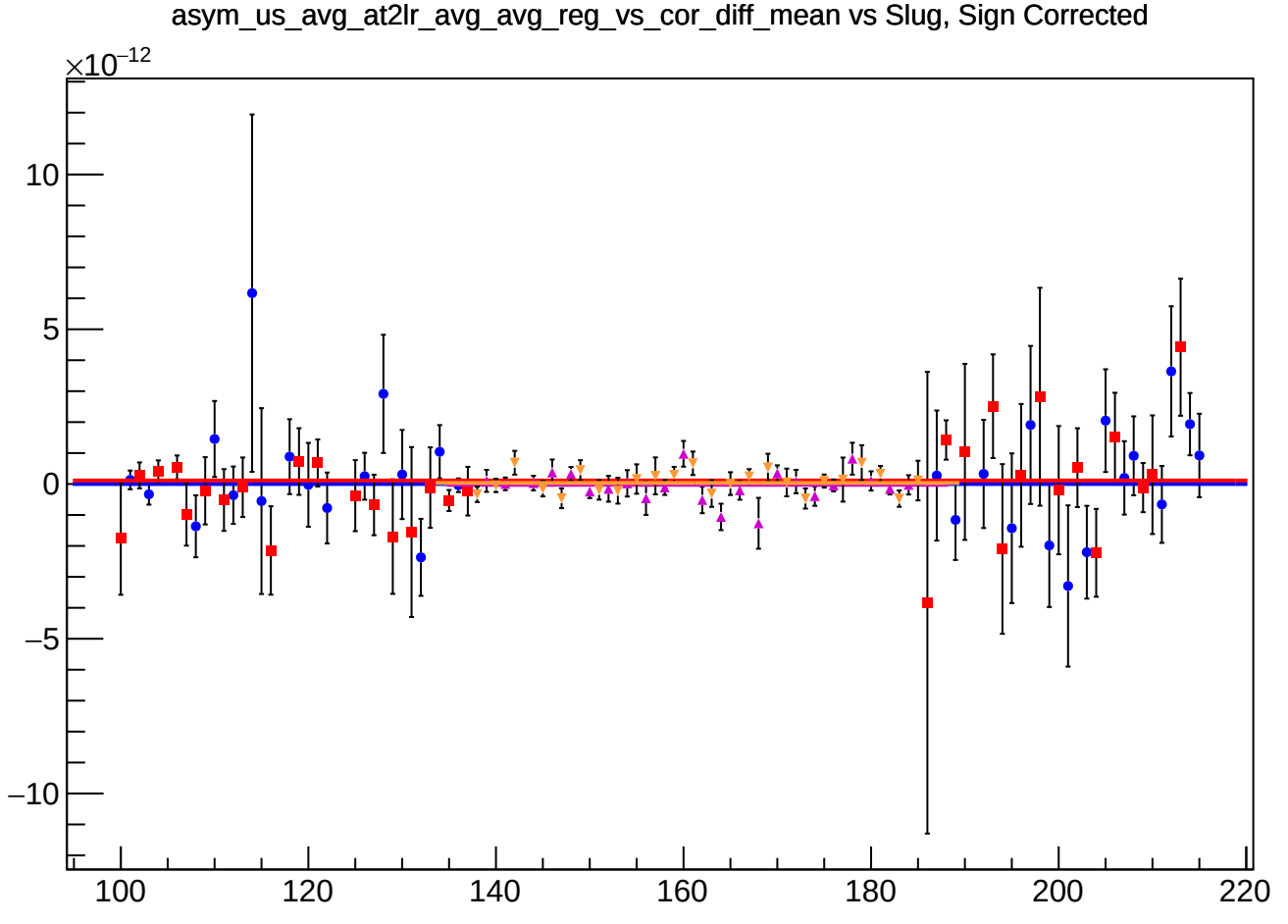
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 10134.264+/-1.228 χ^2/NDF: 6866728.5/62

In: 10660.208+/-1.259 χ^2/NDF:3141719.1/53

Out: 10160.453+/-1.237 χ^2/NDF:5826138.8/55

All: 10405.872+/-0.883 χ^2/NDF: 9047986.7/1



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/31

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

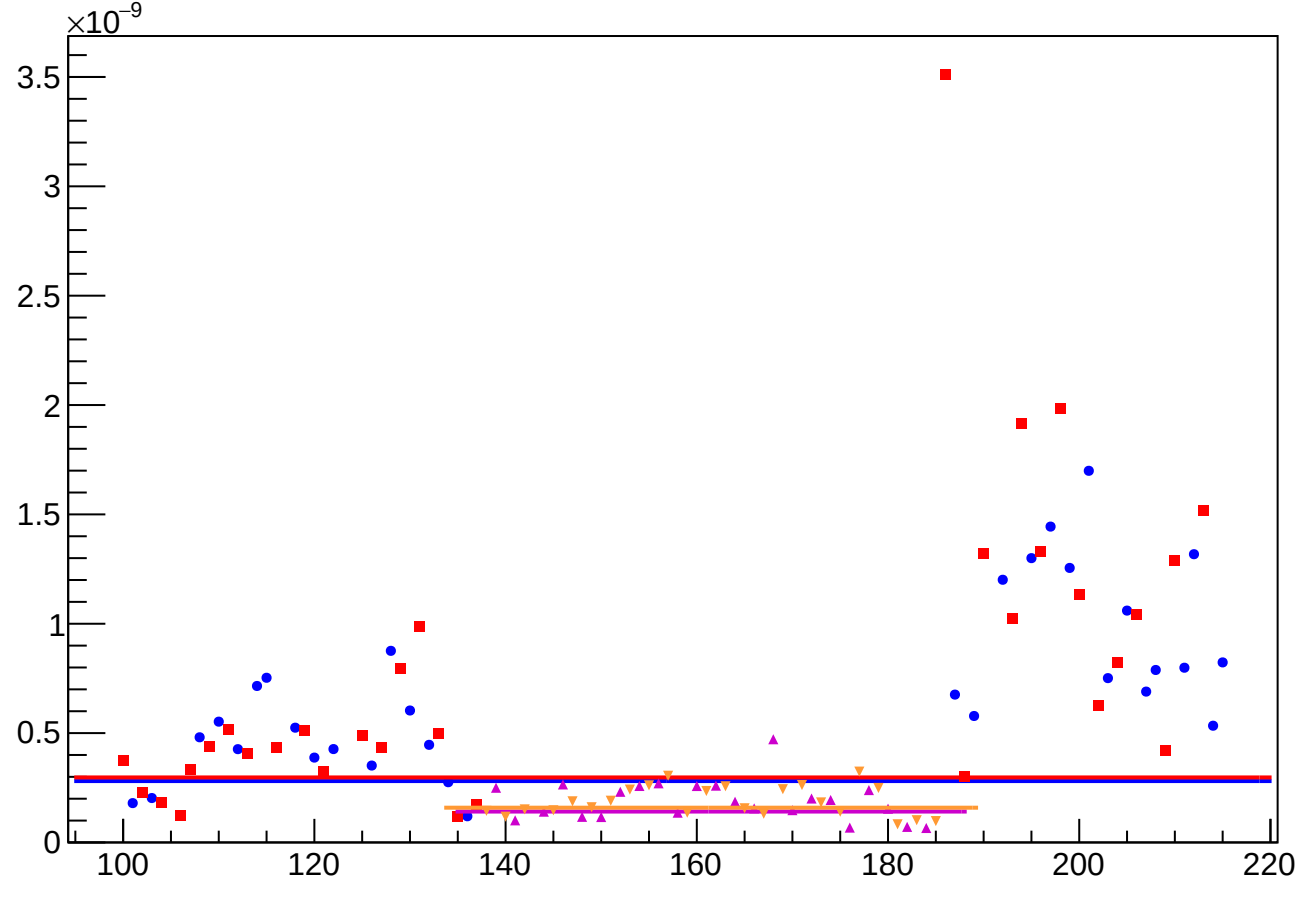
Right: 0.000+/-0.000 χ^2/NDF: 60.5/62

In: -0.000+/-0.000 χ^2/NDF:58.3/53

Out: 0.000+/-0.000 χ^2/NDF:56.3/55

All: 0.000+/-0.000 χ^2/NDF: 115.3/109

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7202183.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6961396.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

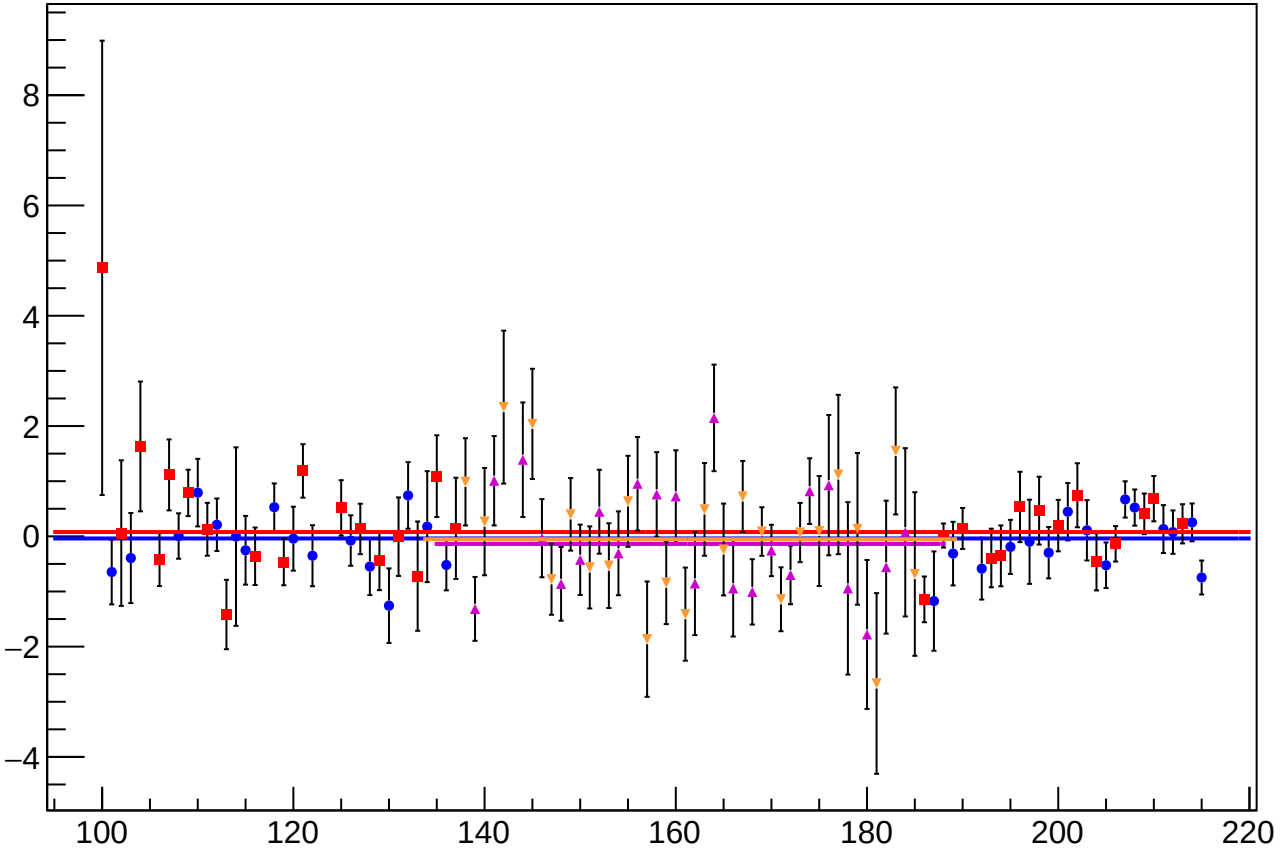
Right: 0.000+/-0.000 χ^2/NDF: 14177859.6/62

In: 0.000+/-0.000 χ^2/NDF:11406745.9/53

Out: 0.000+/-0.000 χ^2/NDF:9785020.5/55

All: 0.000+/-0.000 χ^2/NDF: 21282329.5/109

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.087 χ^2/NDF: 31.9/30

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.078+/-0.084 χ^2/NDF: 44.3/31

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

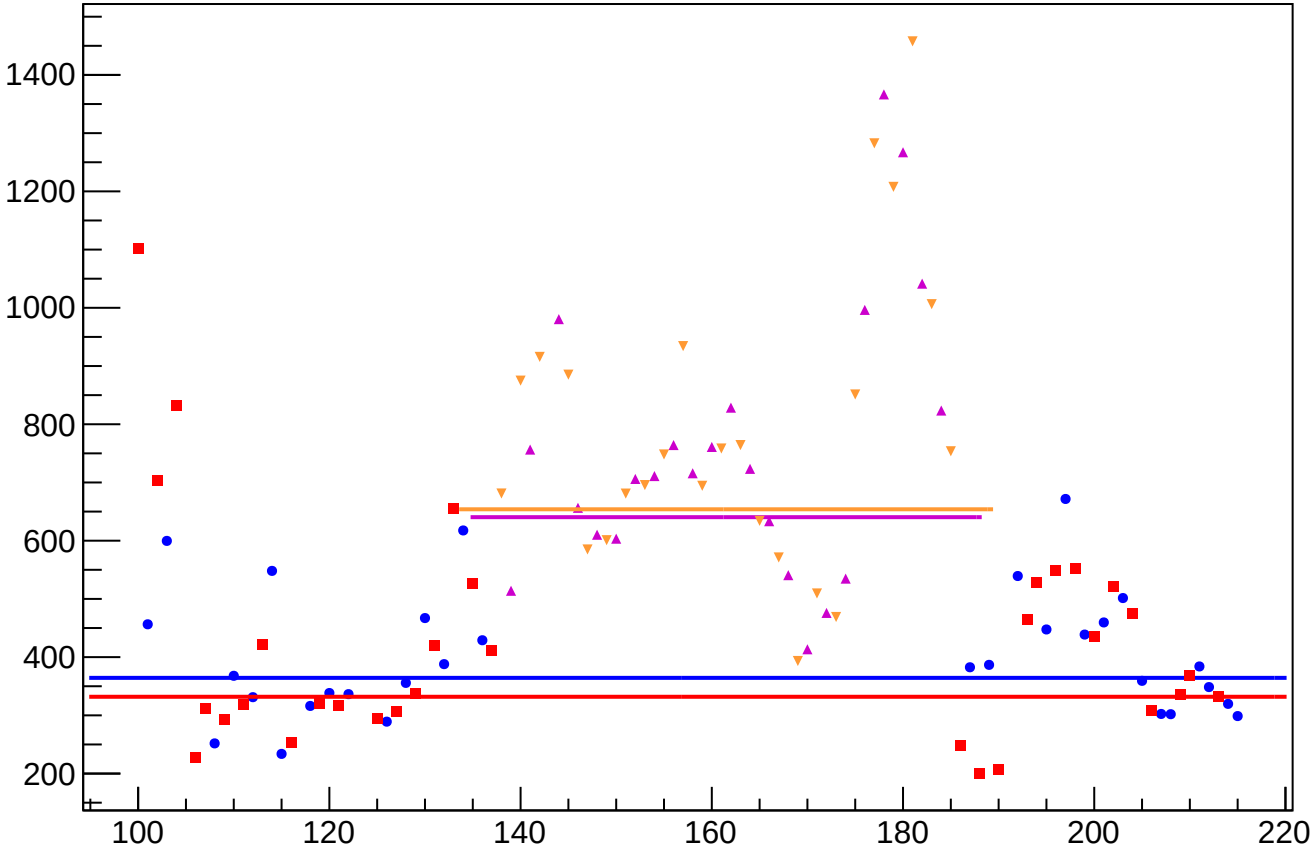
Right: 0.022+/-0.061 χ^2/NDF: 77.1/62

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: -0.005+/-0.053 χ^2/NDF: 138.2/109

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 364.407+/-0.062 χ^2/NDF: 1890909.1/30

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 331.919+/-0.060 χ^2/NDF: 3606927.7/31

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

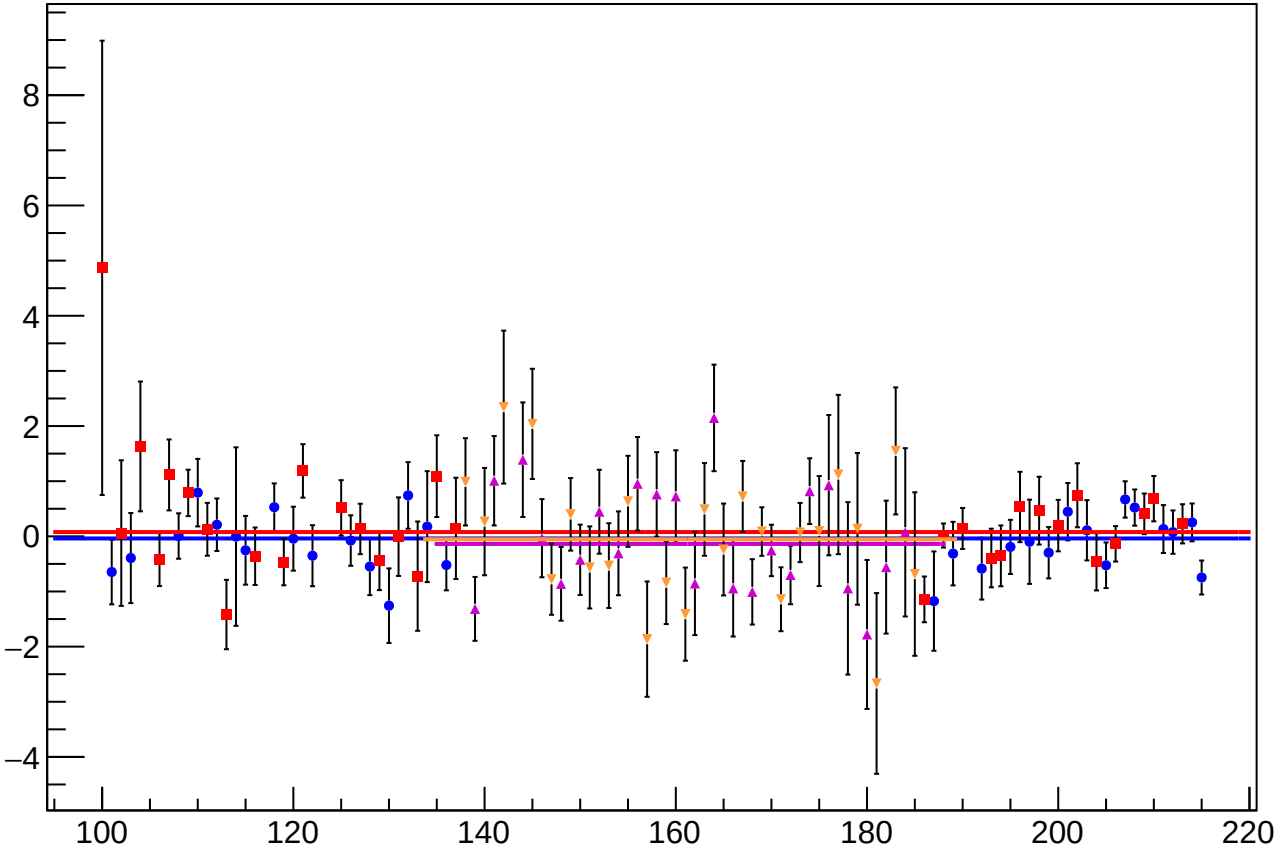
Right: 347.595+/-0.043 χ^2/NDF: 5641159.6/62

In: 429.046+/-0.054 χ^2/NDF:9219853.1/53

Out: 400.989+/-0.053 χ^2/NDF:12990449.4/55

All: 414.705+/-0.038 χ^2/NDF: 22348178.1/10

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.087 χ^2/NDF: 31.9/30

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.078+/-0.084 χ^2/NDF: 44.3/31

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

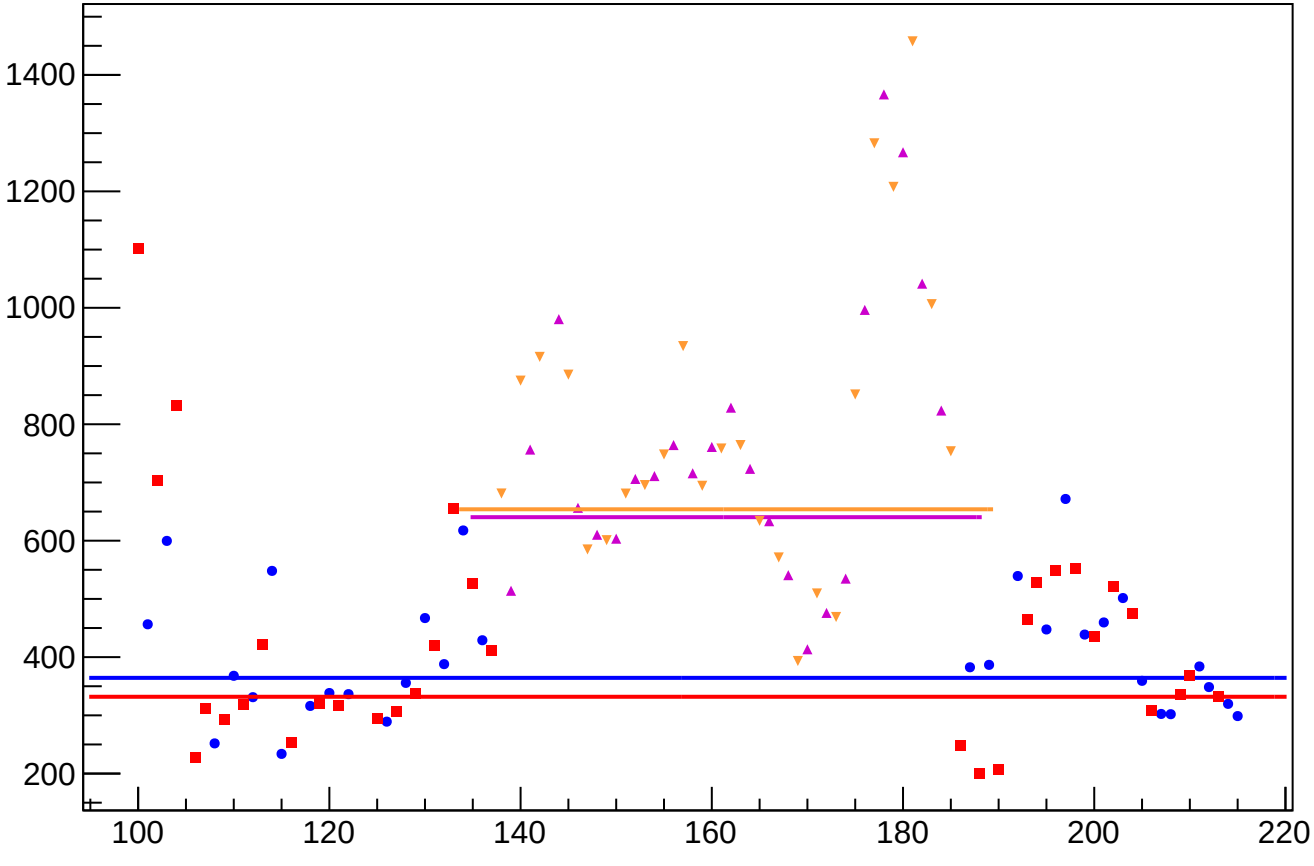
Right: 0.022+/-0.061 χ^2/NDF: 77.1/62

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: -0.005+/-0.053 χ^2/NDF: 138.2/109

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 364.407+/-0.062 χ^2/NDF: 1890909.1/30

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 331.919+/-0.060 χ^2/NDF: 3606927.7/31

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

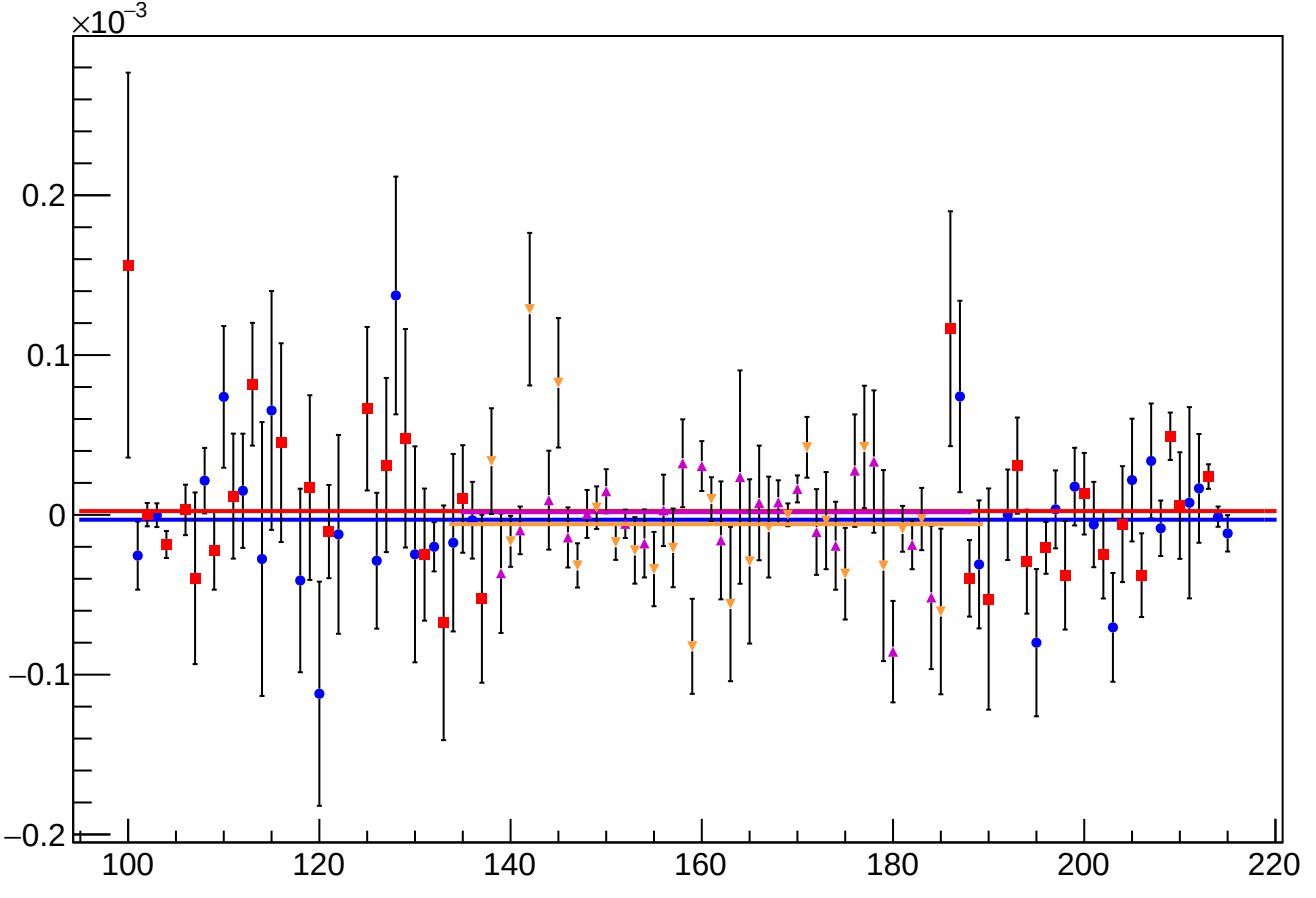
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 347.595+/-0.043 χ^2/NDF: 5641159.6/62

In: 429.046+/-0.054 χ^2/NDF:9219853.1/53

Out: 400.989+/-0.053 χ^2/NDF:12990449.4/55

All: 414.705+/-0.038 χ^2/NDF: 22348178.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 52.1/31

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

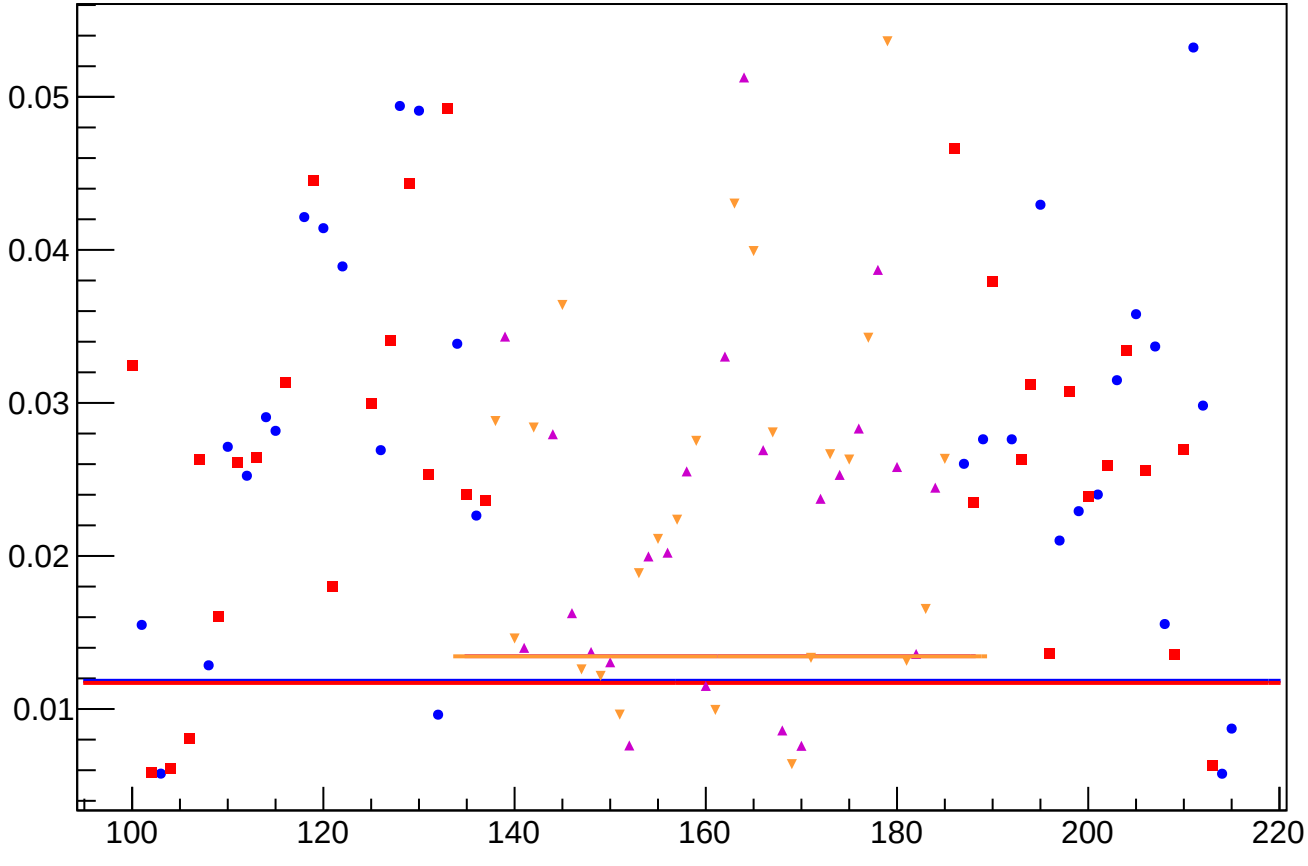
Right: -0.000+/-0.000 χ^2/NDF: 80.6/62

In: -0.000+/-0.000 χ^2/NDF:53.7/53

Out: -0.000+/-0.000 χ^2/NDF:97.3/55

All: -0.000+/-0.000 χ^2/NDF: 151.1/109

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 14354154.3/30

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.012+/-0.000 χ^2/NDF: 12960852.0/31

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

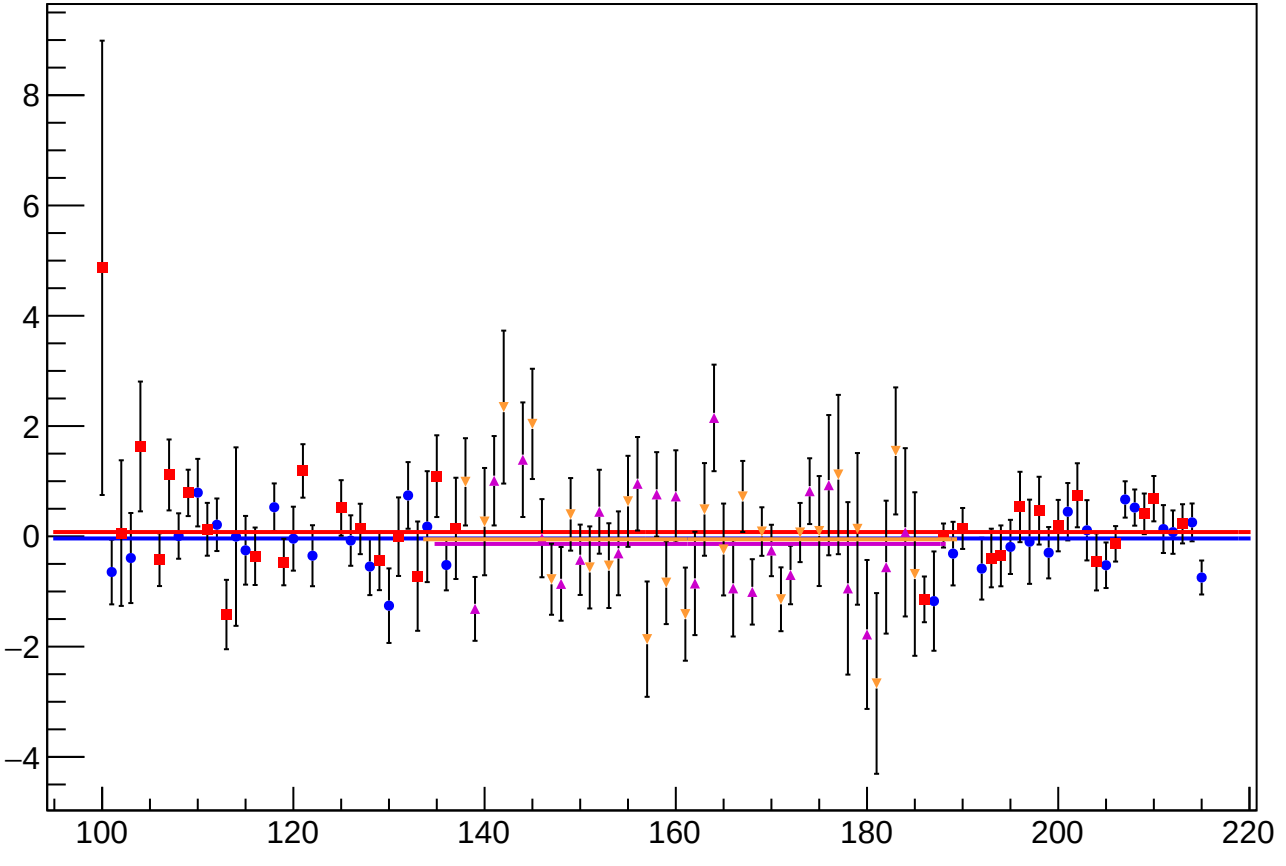
Right: 0.012+/-0.000 χ^2/NDF: 27316488.5/62

In: 0.013+/-0.000 χ^2/NDF:22098550.4/53

Out: 0.013+/-0.000 χ^2/NDF:22048209.9/55

All: 0.013+/-0.000 χ^2/NDF: 44147854.2/109

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.087 χ^2/NDF: 31.9/30

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.078+/-0.084 χ^2/NDF: 44.3/31

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

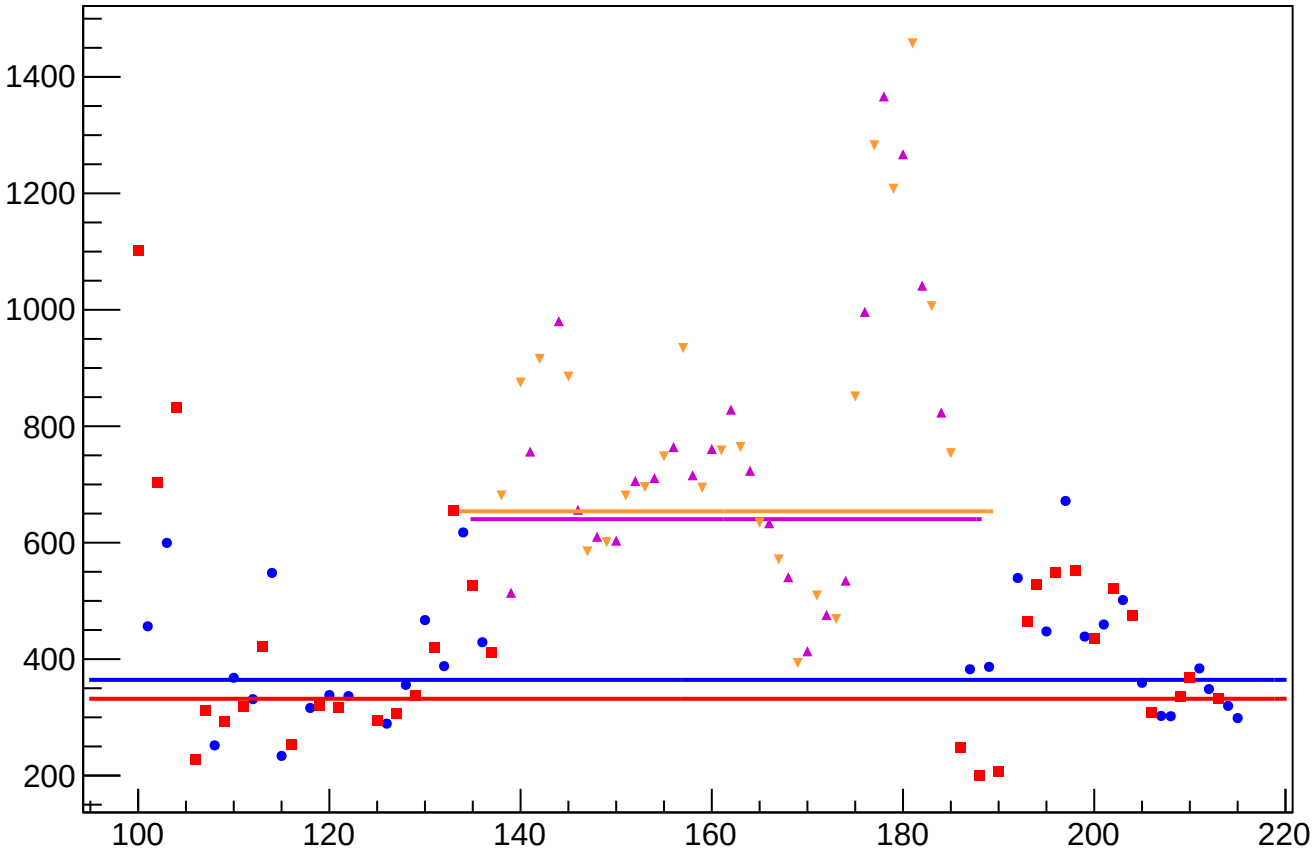
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

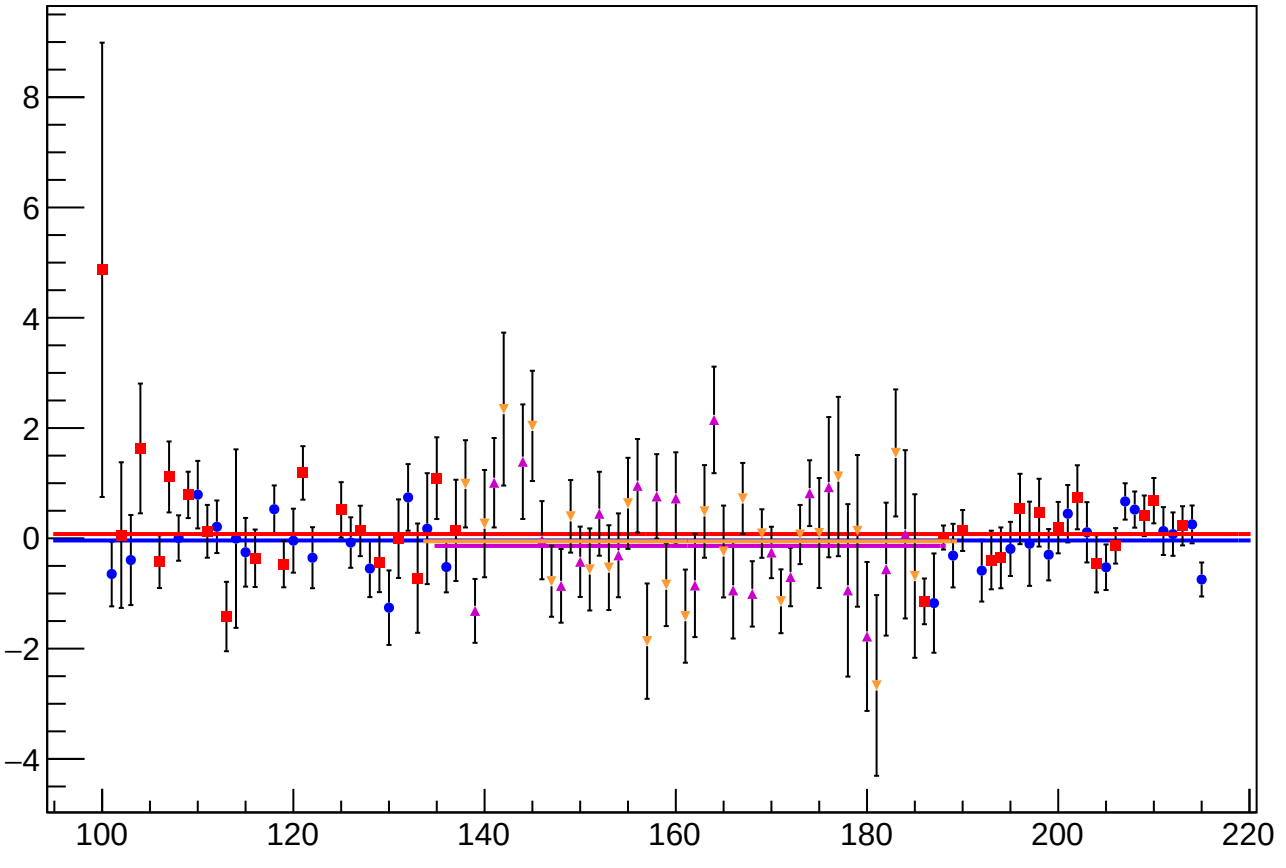
Right: 0.022+/-0.061 χ^2/NDF: 77.1/62

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: -0.005+/-0.053 χ^2/NDF: 138.2/109


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 364.407+/-0.062 χ²/NDF: 1890902.6/30
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 331.913+/-0.060 χ²/NDF: 3607139.1/31
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
Left: 647.016+/-0.080 χ²/NDF: 5780002.9/46
Right: 347.592+/-0.043 χ²/NDF: 5641411.7/62
In: 429.046+/-0.054 χ²/NDF:9220050.9/53
Out: 400.983+/-0.053 χ²/NDF:12991095.4/55
All: 414.702+/-0.038 χ²/NDF: 22349077.9/10



Right In: -0.039+/-0.087 χ^2/NDF: 31.9/30

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.078+/-0.084 χ^2/NDF: 44.3/31

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

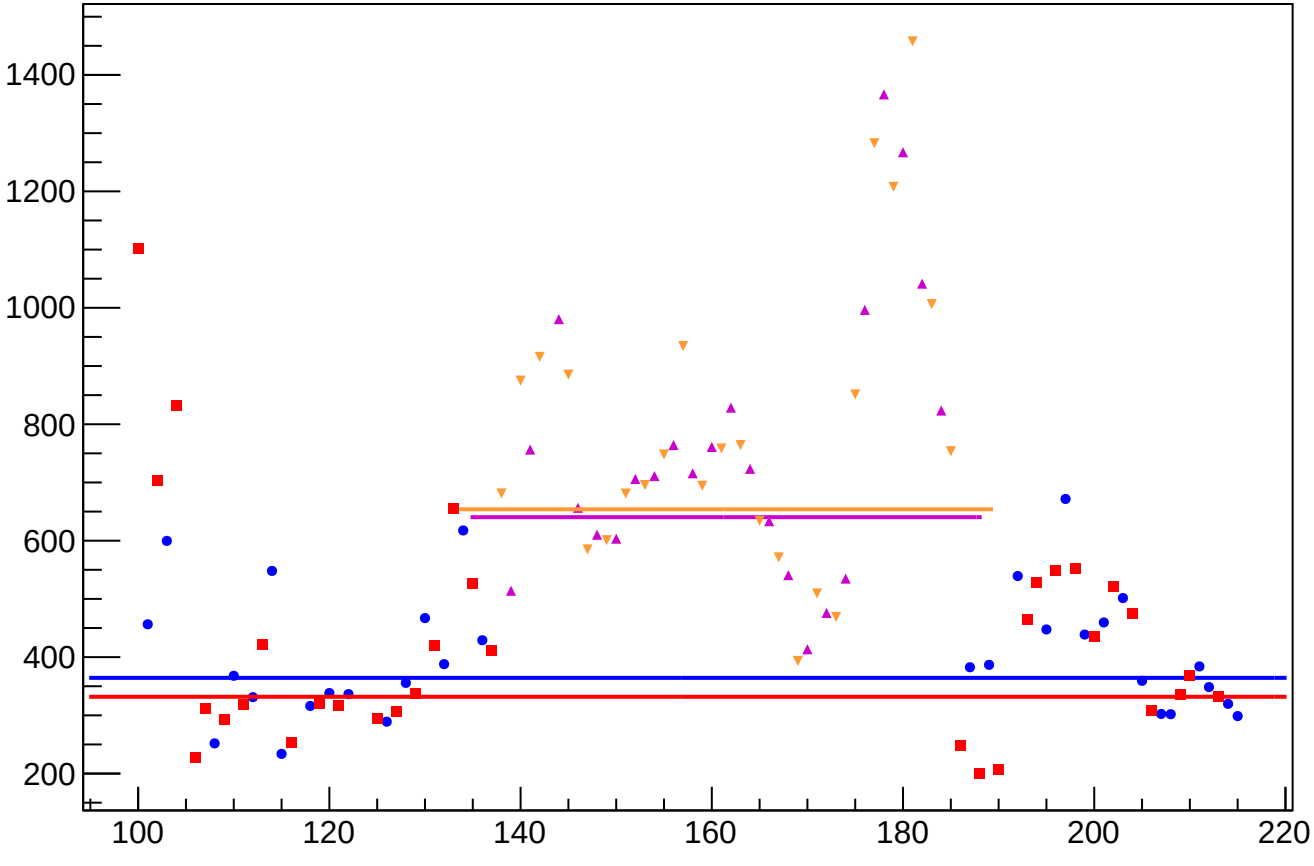
Right: 0.022+/-0.061 χ^2/NDF: 77.1/62

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.050+/-0.075 χ^2/NDF:75.0/55

All: -0.005+/-0.053 χ^2/NDF: 138.2/109

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 364.407+/-0.062 χ^2/NDF: 1890902.6/30

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 331.913+/-0.060 χ^2/NDF: 3607139.1/31

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

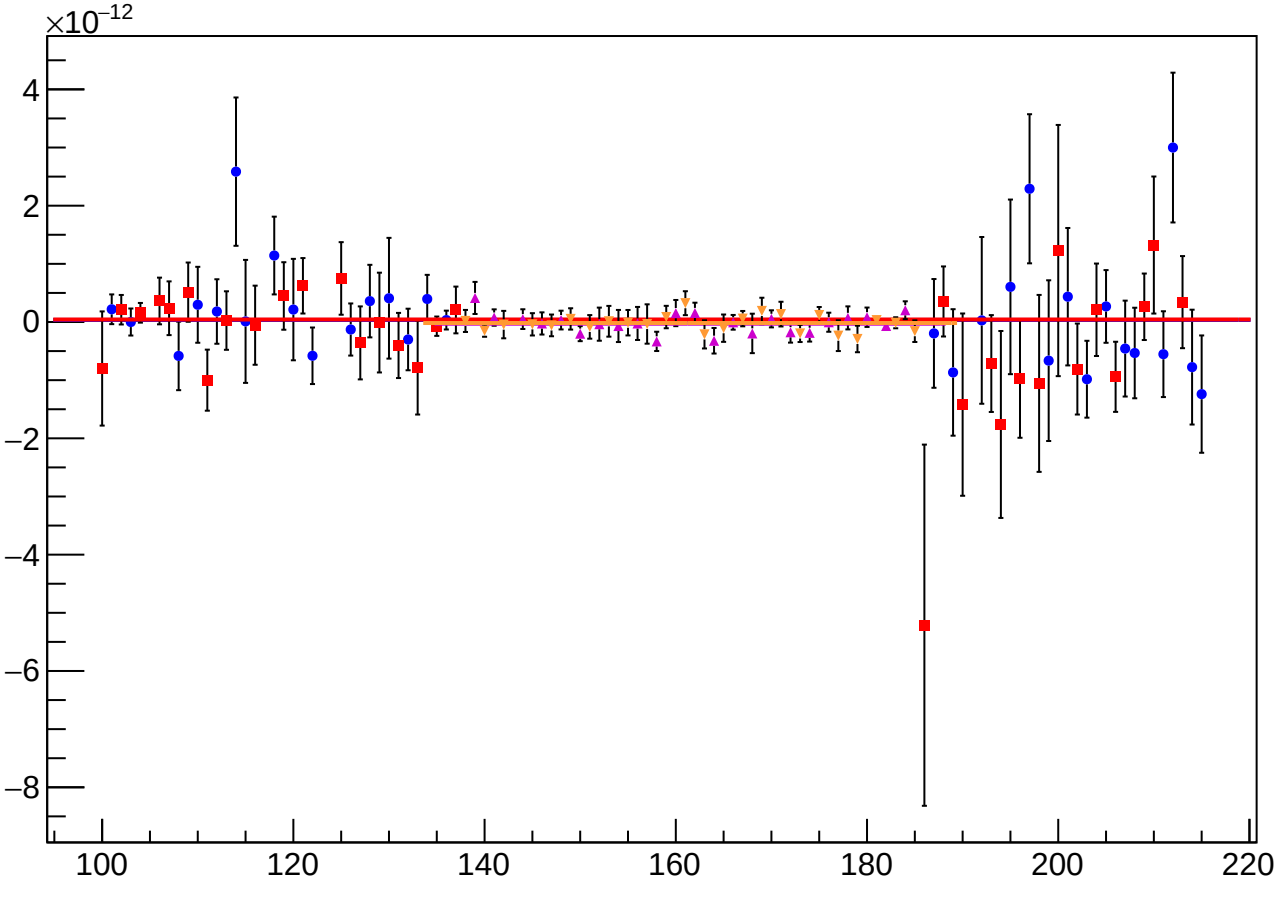
Right: 347.592+/-0.043 χ^2/NDF: 5641411.7/62

In: 429.046+/-0.054 χ^2/NDF:9220050.9/53

Out: 400.983+/-0.053 χ^2/NDF:12991095.4/55

All: 414.702+/-0.038 χ^2/NDF: 22349077.9/10

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.9/30

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/31

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

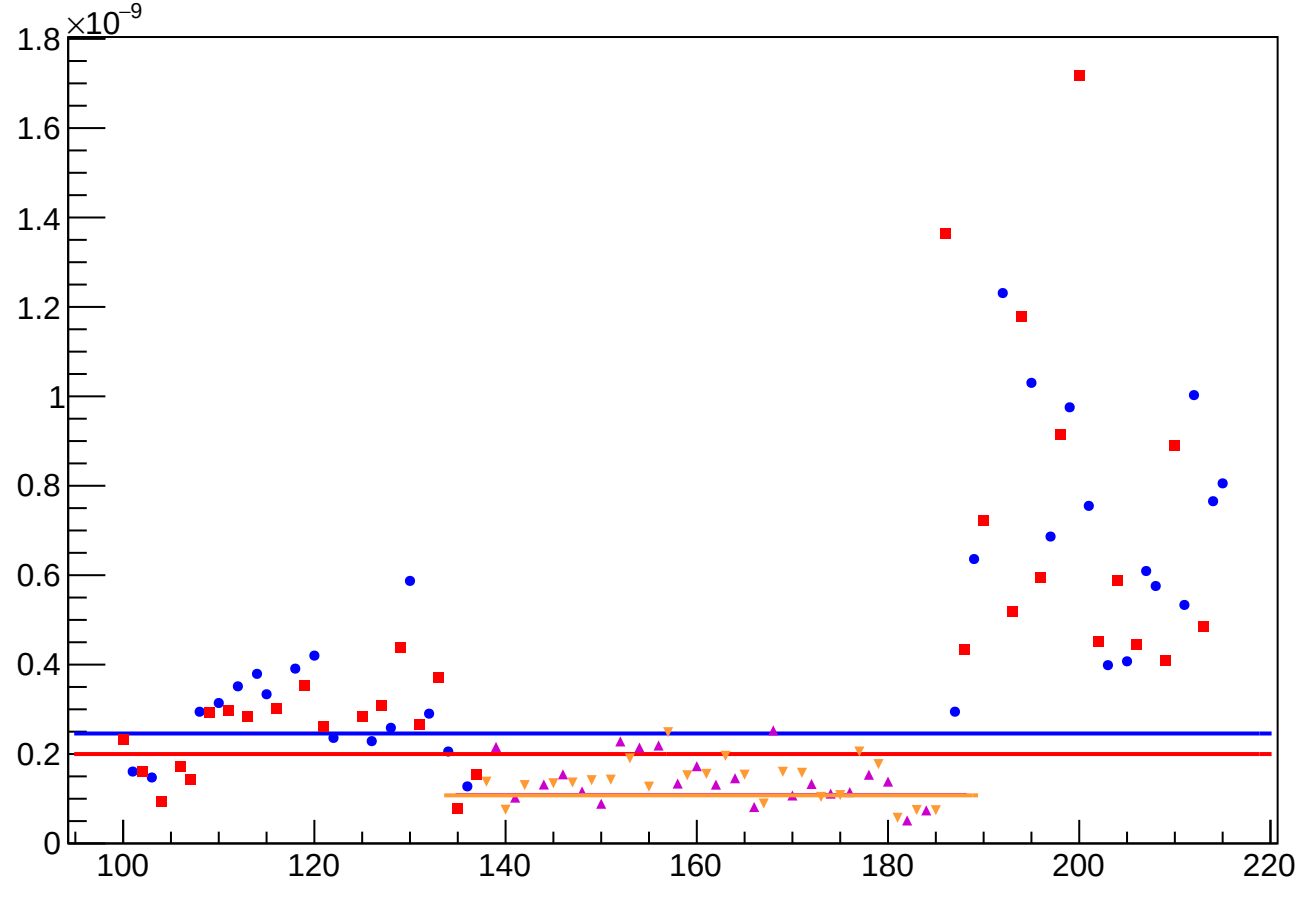
Right: 0.000+/-0.000 χ^2/NDF: 54.5/62

In: -0.000+/-0.000 χ^2/NDF:46.2/53

Out: -0.000+/-0.000 χ^2/NDF:40.1/55

All: -0.000+/-0.000 χ^2/NDF: 86.4/109

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: 8291272.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8541834.3/31

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

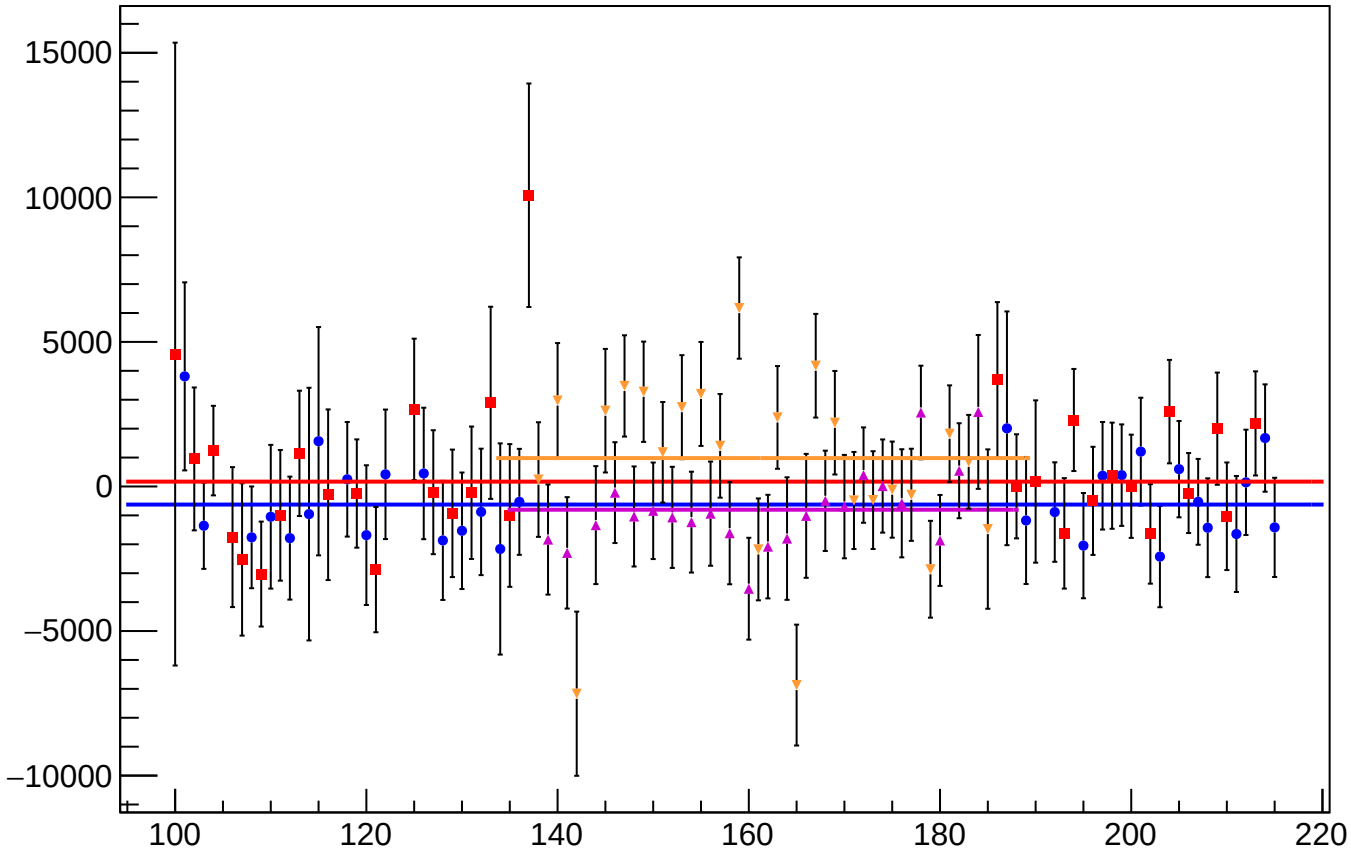
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 17125238.2/62

In: 0.000+/-0.000 χ^2/NDF:16310758.9/53

Out: 0.000+/-0.000 χ^2/NDF:14254776.3/55

All: 0.000+/-0.000 χ^2/NDF: 30582718.1/109



Right In: -625.484+/-359.895 χ^2/NDF: 11.5/30

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 167.621+/-366.787 χ^2/NDF: 26.6/31

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

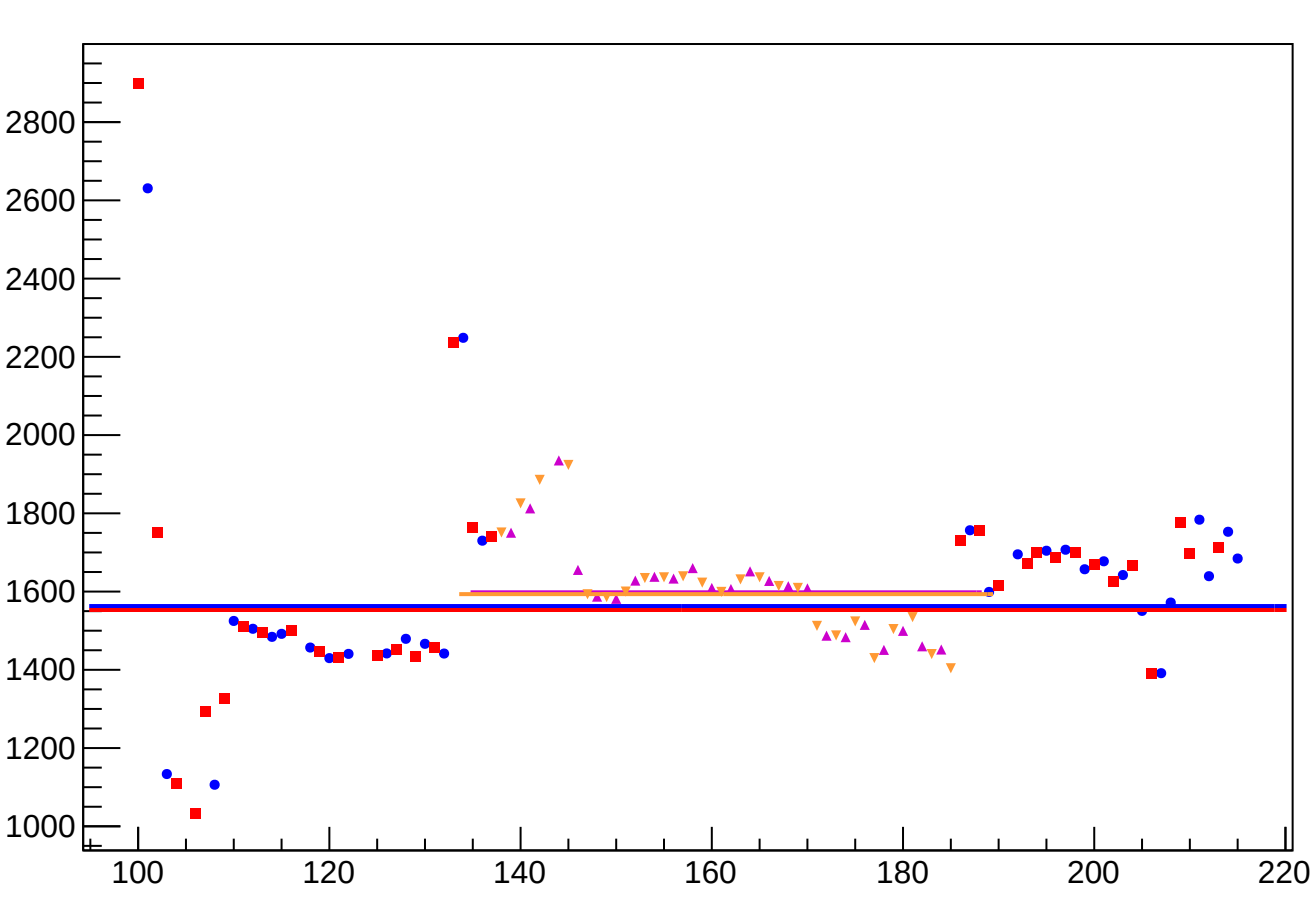
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -236.453+/-256.886 χ^2/NDF: 40.5/62

In: -711.253+/-259.349 χ^2/NDF:24.0/53

Out: 570.148+/-260.780 χ^2/NDF:84.6/55

All: -74.077+/-183.891 χ^2/NDF: 120.8/109



Right In: 1563.013+/-0.254 χ^2/NDF: 787750.5/30

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1552.910+/-0.258 χ^2/NDF: 697616.9/31

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

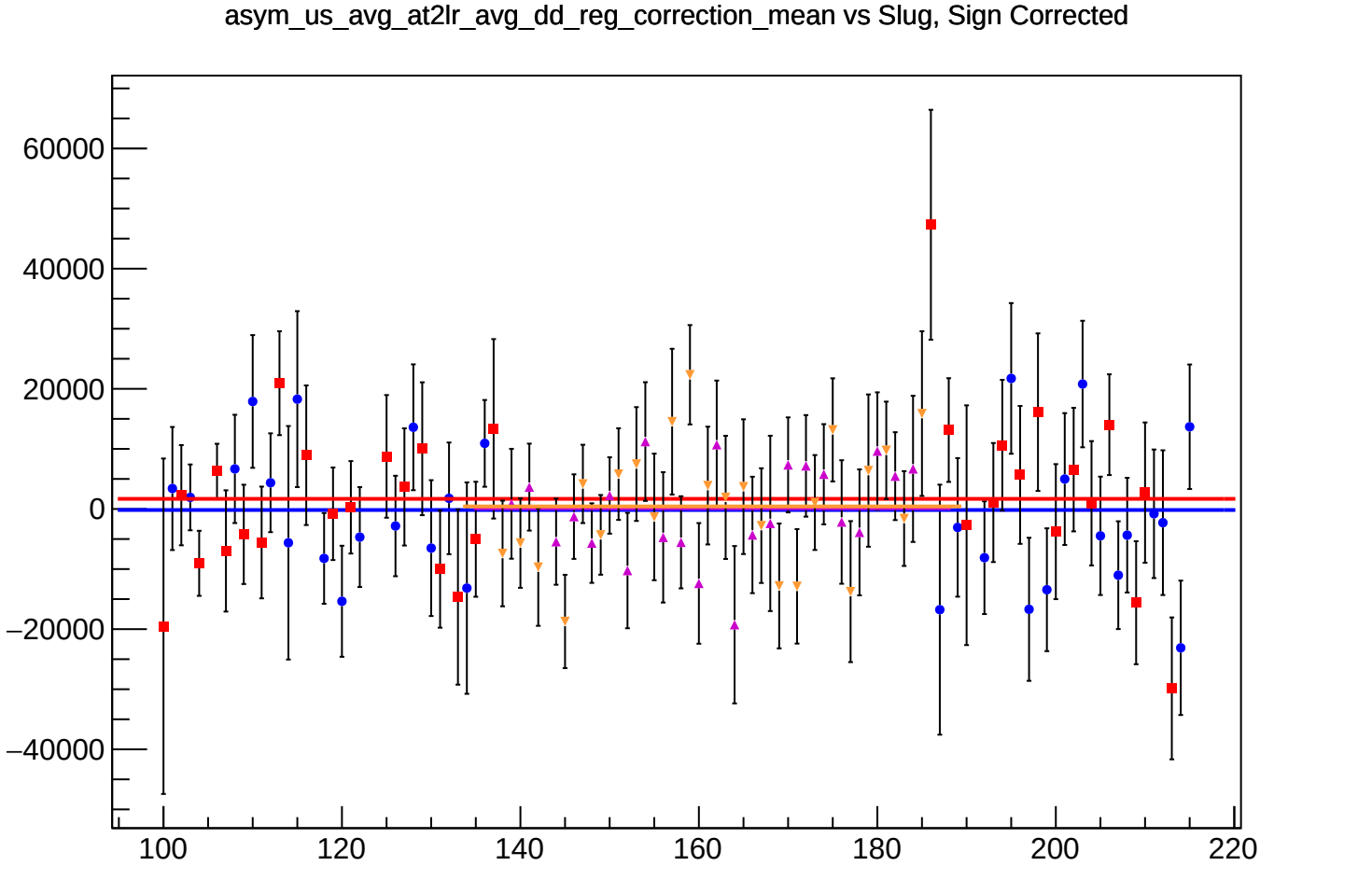
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1558.040+/-0.181 χ^2/NDF: 1486143.2/62

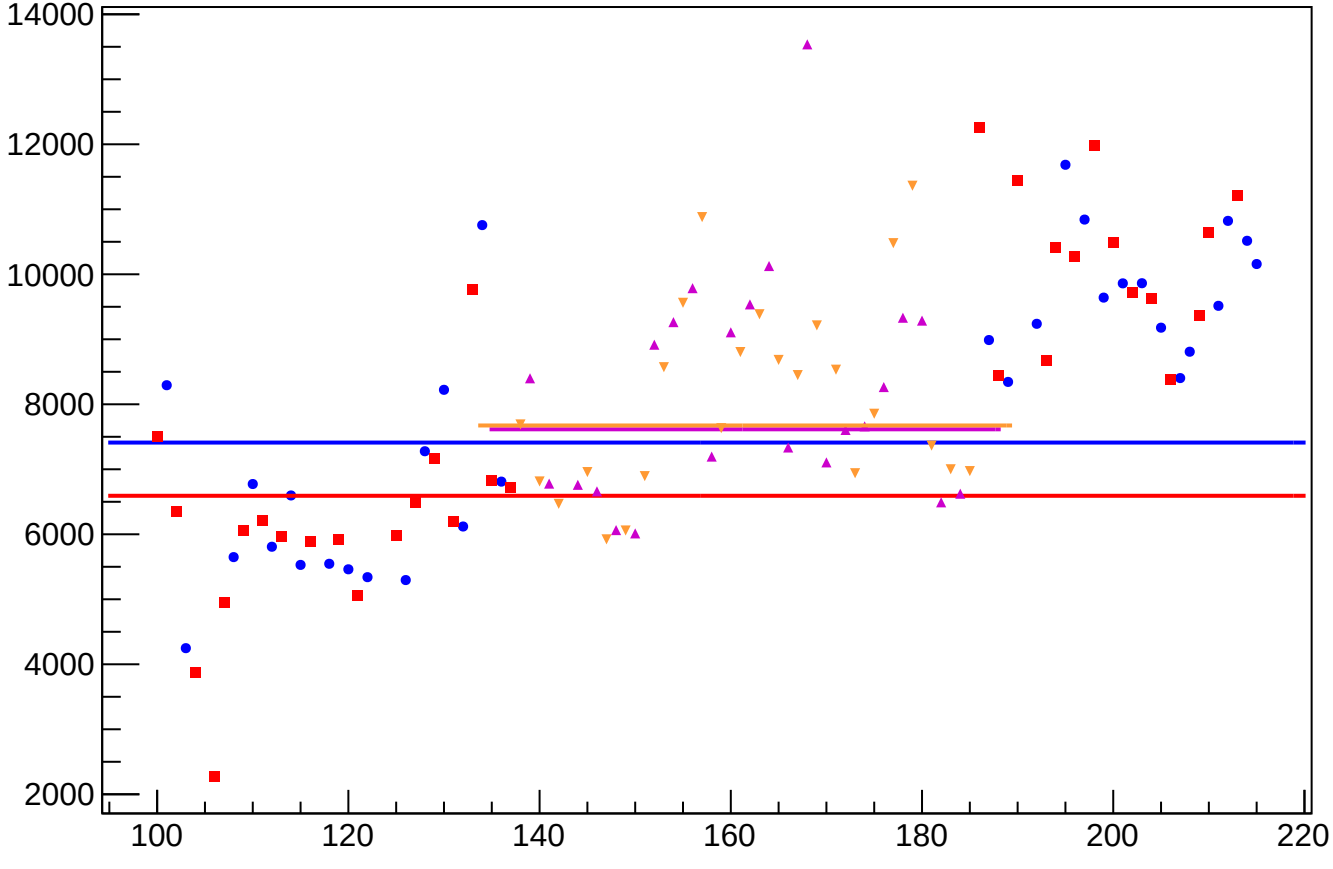
In: 1579.888+/-0.183 χ^2/NDF:966055.7/53

Out: 1572.905+/-0.184 χ^2/NDF:897371.7/55

All: 1576.410+/-0.130 χ^2/NDF: 1864149.7/10


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
220
Right In: -169.244+/-1760.737 χ²/NDF: 34.9/30
Left Out: 426.701+/-1819.878 χ²/NDF:29.4/23
Right Out: 1686.439+/-1660.090 χ²/NDF: 39.9/31
Left In: 126.369+/-1814.830 χ²/NDF:13.9/22
Left: 276.118+/-1285.060 χ²/NDF: 43.3/46
Right: 813.148+/-1207.875 χ²/NDF: 75.3/62
In: -25.909+/-1263.720 χ²/NDF:48.7/53
Out: 1114.292+/-1226.468 χ²/NDF:69.5/55
All: 561.244+/-880.119 χ²/NDF: 118.7/109

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 7411.069+/-1.245 χ^2/NDF: 2941886.0/30

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6592.372+/-1.174 χ^2/NDF: 5230262.5/31

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

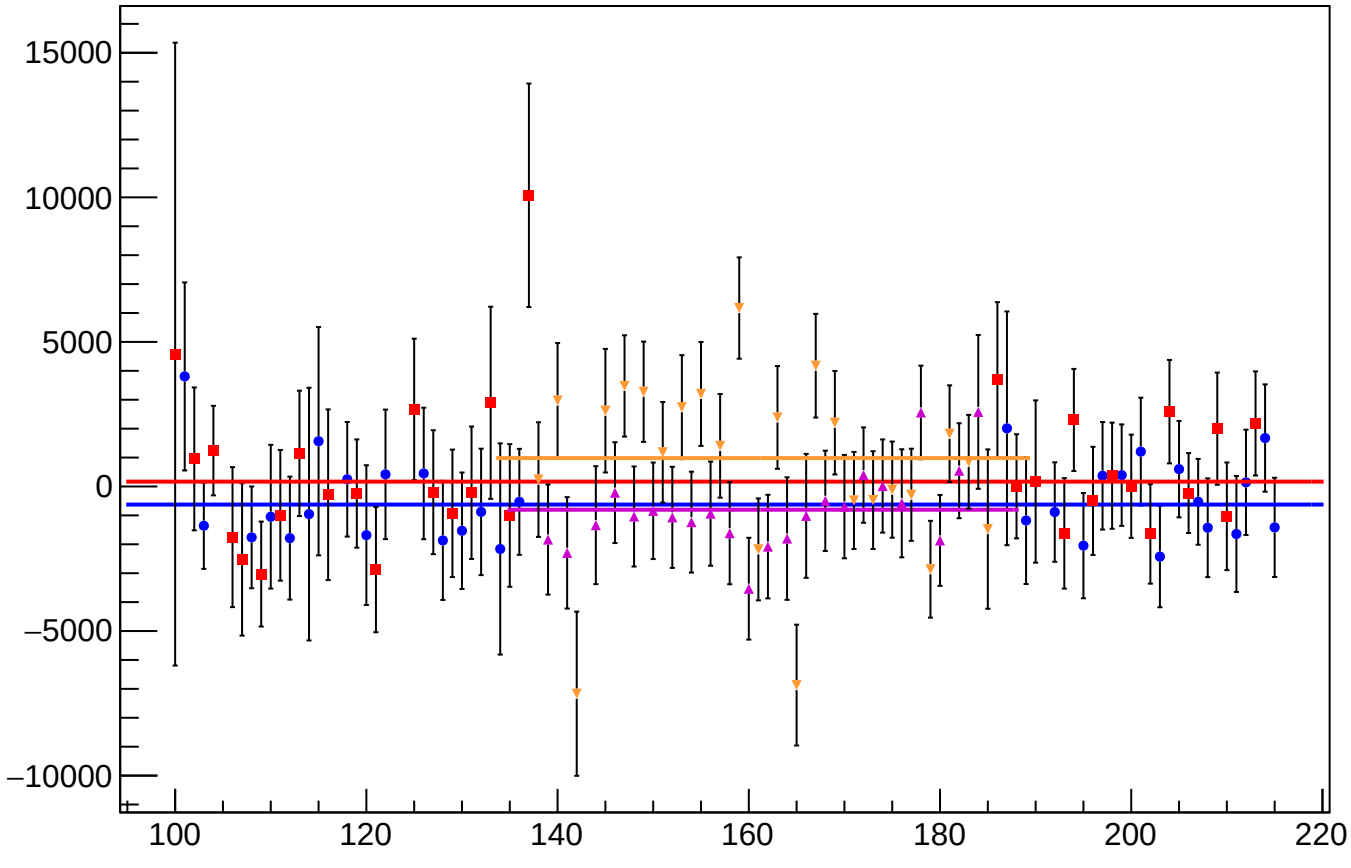
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

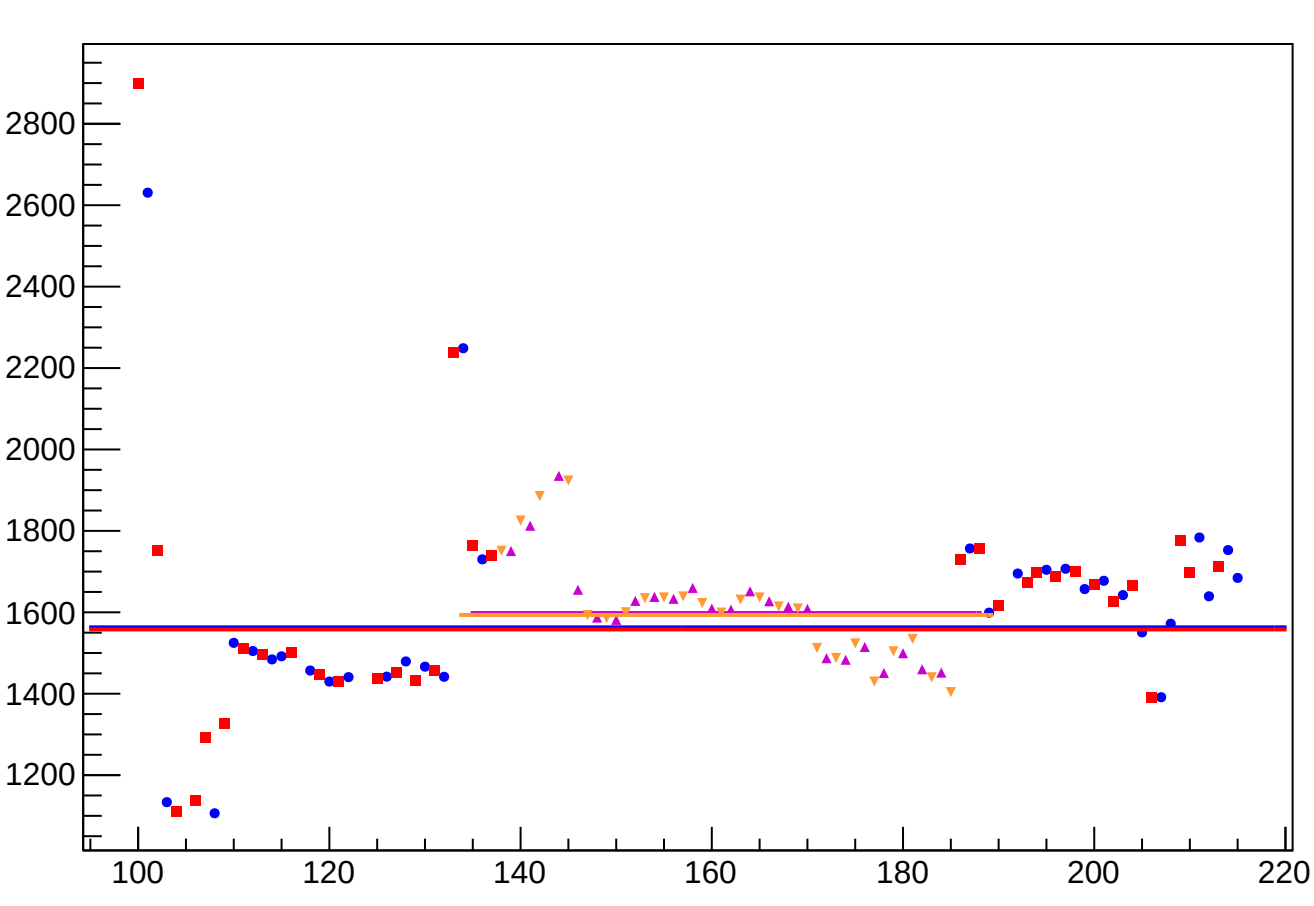
Right: 6977.653+/-0.854 χ^2/NDF: 8401060.6/62

In: 7509.937+/-0.894 χ^2/NDF:4179411.7/53

Out: 7083.653+/-0.867 χ^2/NDF:6692631.5/55

All: 7290.419+/-0.622 χ^2/NDF: 10989235.1/1


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -625.523+/-359.895 χ²/NDF: 11.5/30
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 167.636+/-366.787 χ²/NDF: 26.6/31
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -236.465+/-256.886 χ²/NDF: 40.5/62
In: -711.213+/-259.349 χ²/NDF:24.0/53
Out: 570.198+/-260.780 χ²/NDF:84.6/55
All: -74.032+/-183.891 χ²/NDF: 120.8/109



Right In: 1563.013+/-0.254 χ^2/NDF: 787750.9/30

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1557.898+/-0.259 χ^2/NDF: 642626.8/31

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

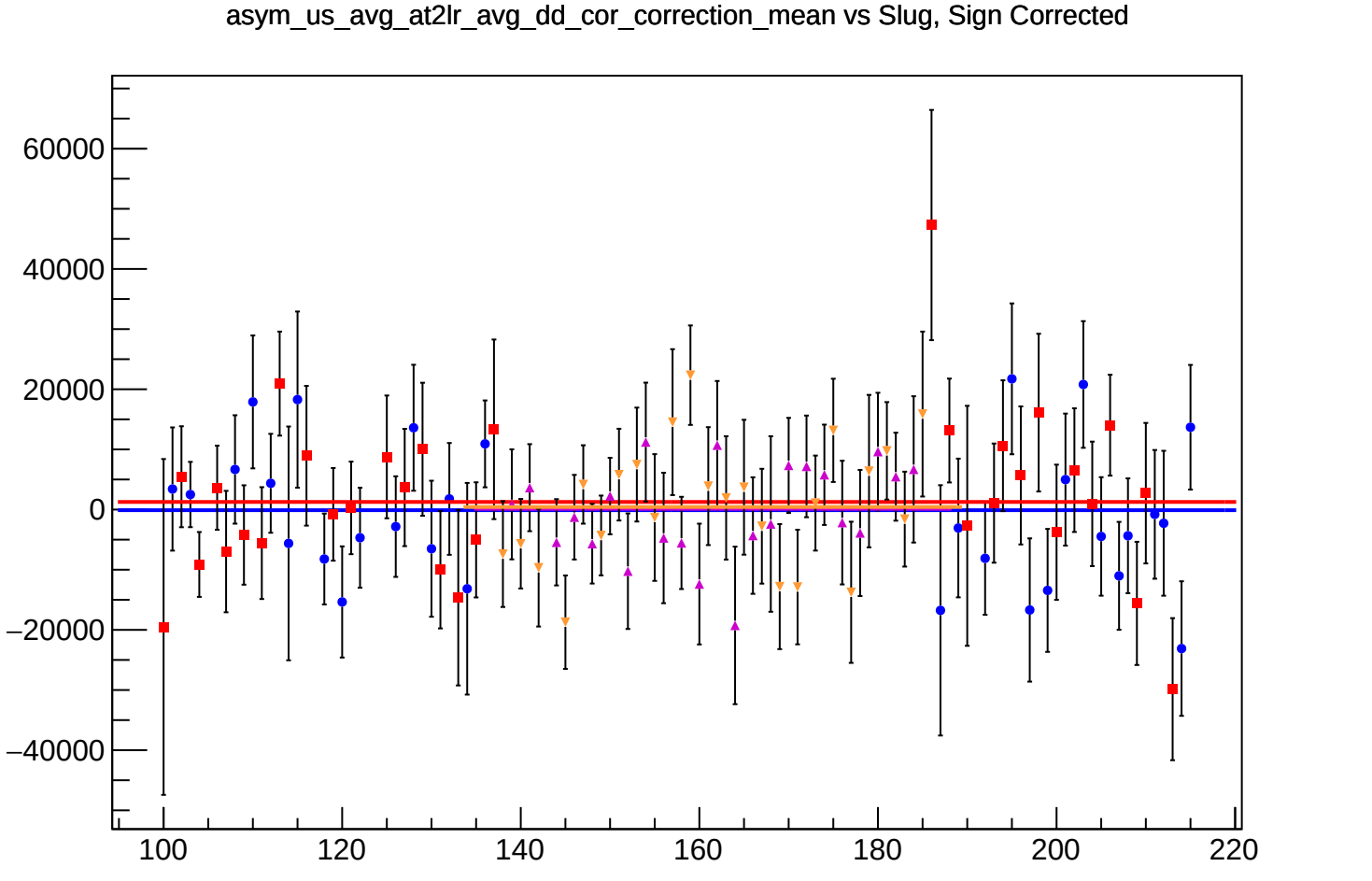
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1560.501+/-0.182 χ^2/NDF: 1430576.1/62

In: 1579.888+/-0.183 χ^2/NDF:966056.1/53

Out: 1575.476+/-0.184 χ^2/NDF:839558.5/55

All: 1577.693+/-0.130 χ^2/NDF: 1805902.6/10



Right In: -104.856+/-1758.972 χ^2/NDF: 34.9/30

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1266.777+/-1726.423 χ^2/NDF: 39.2/31

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

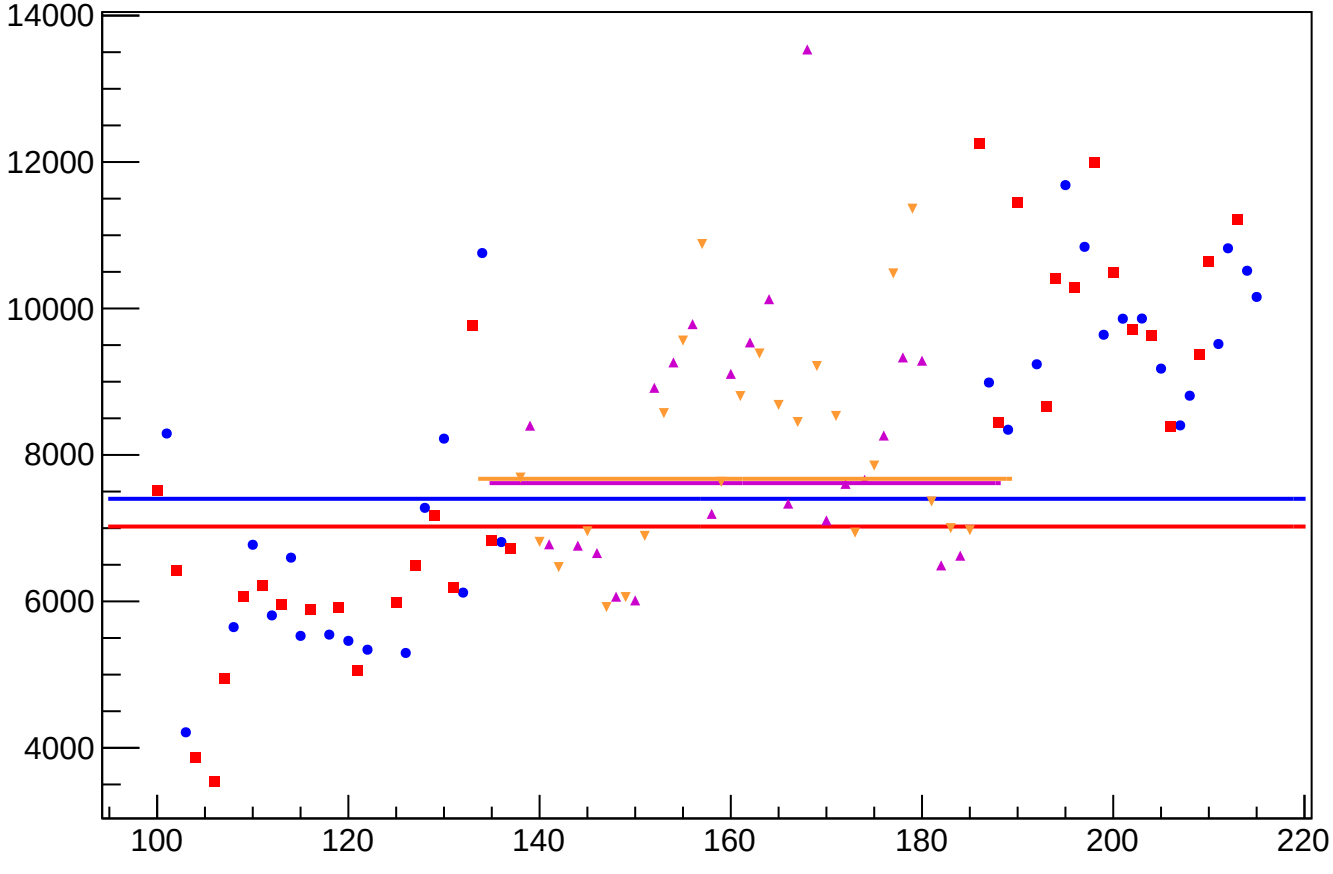
Right: 593.769+/-1232.112 χ^2/NDF: 74.4/62

In: 7.147+/-1263.066 χ^2/NDF:48.8/53

Out: 868.863+/-1252.501 χ^2/NDF:68.7/55

All: 441.624+/-889.364 χ^2/NDF: 117.7/109

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 7400.969+/-1.244 χ^2/NDF: 2970168.1/30

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 7022.109+/-1.221 χ^2/NDF: 3708097.5/31

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

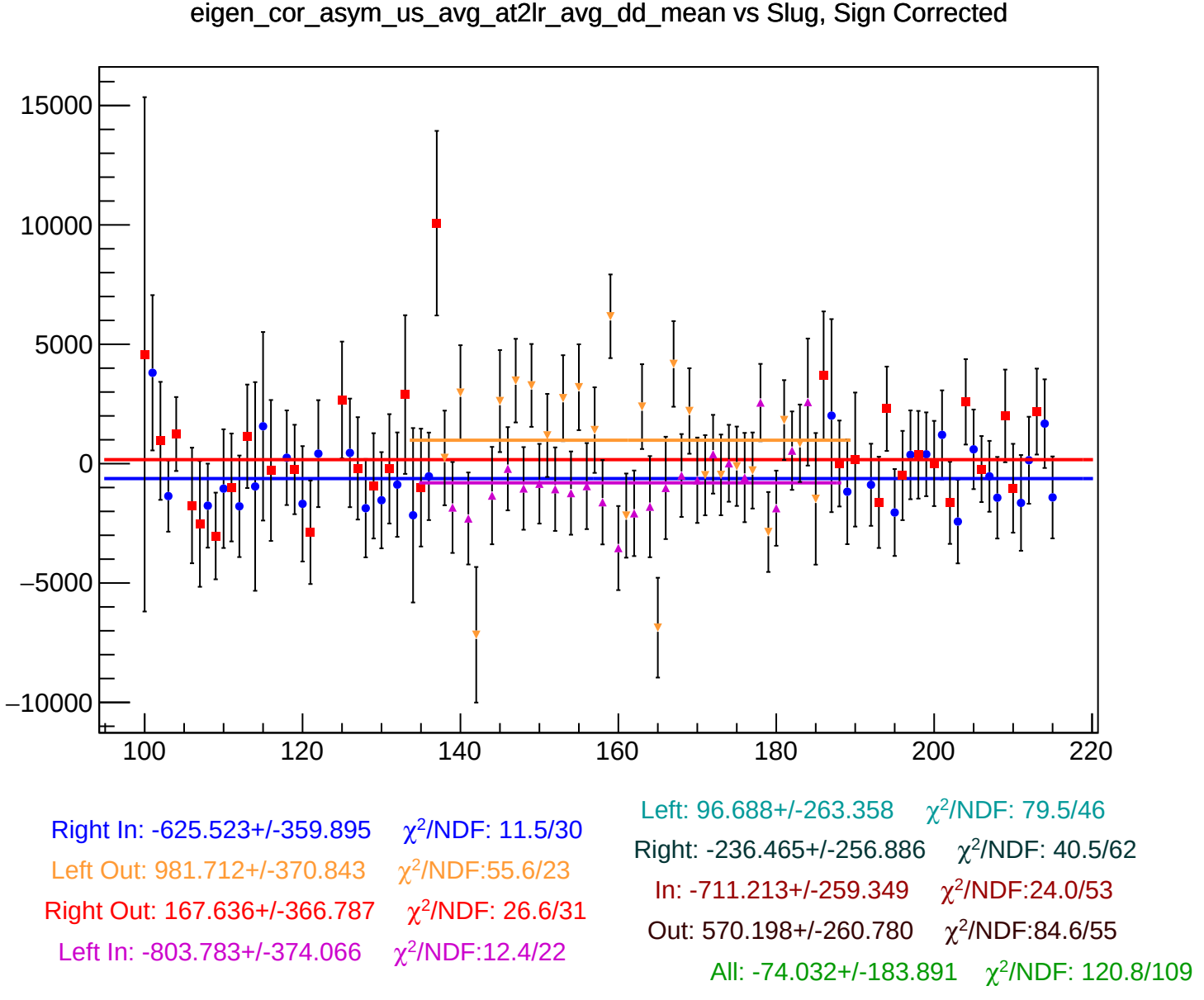
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

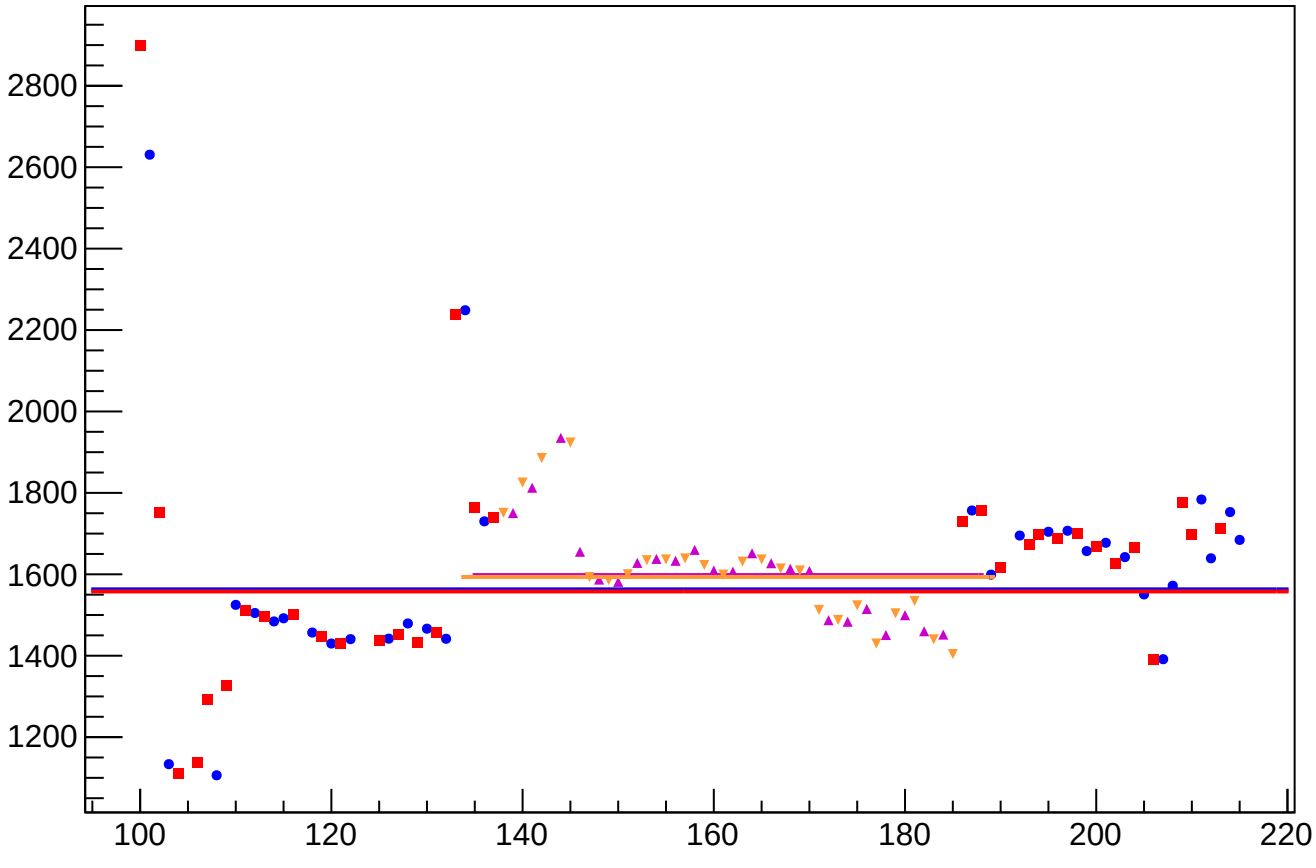
Right: 7208.001+/-0.871 χ^2/NDF: 6725523.5/62

In: 7504.623+/-0.893 χ^2/NDF:4209032.2/53

Out: 7330.917+/-0.886 χ^2/NDF:4919905.3/55

All: 7417.040+/-0.629 χ^2/NDF: 9148010.0/10


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -625.523+/-359.895 χ²/NDF: 11.5/30
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 167.636+/-366.787 χ²/NDF: 26.6/31
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -236.465+/-256.886 χ²/NDF: 40.5/62
In: -711.213+/-259.349 χ²/NDF:24.0/53
Out: 570.198+/-260.780 χ²/NDF:84.6/55
All: -74.032+/-183.891 χ²/NDF: 120.8/109



Right In: 1563.013+/-0.254 χ^2/NDF: 787750.9/30

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1557.898+/-0.259 χ^2/NDF: 642626.8/31

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

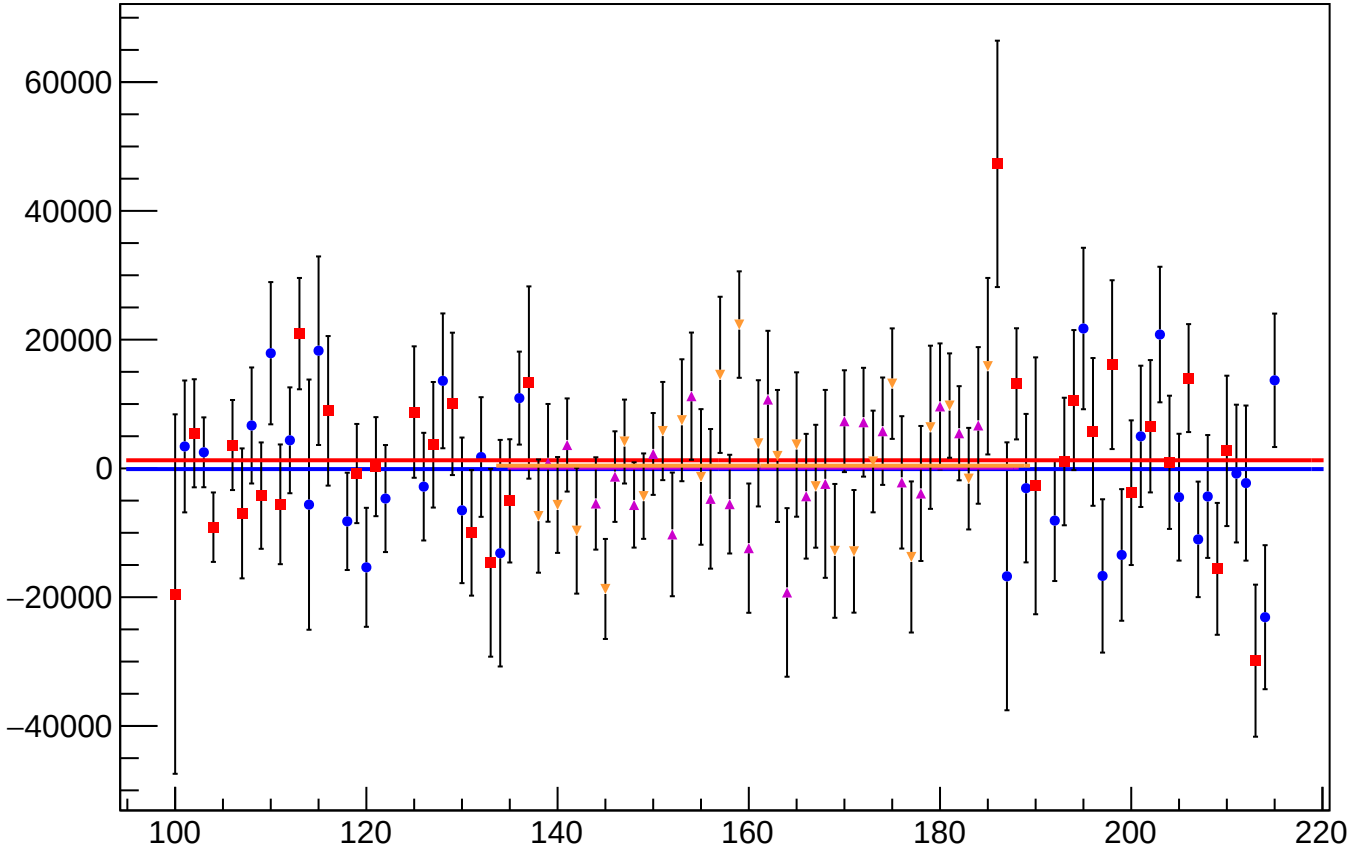
Right: 1560.501+/-0.182 χ^2/NDF: 1430576.1/62

In: 1579.888+/-0.183 χ^2/NDF:966056.1/53

Out: 1575.476+/-0.184 χ^2/NDF:839558.5/55

All: 1577.693+/-0.130 χ^2/NDF: 1805902.6/10

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -104.856+/-1758.972 χ^2/NDF: 34.9/30

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1266.777+/-1726.423 χ^2/NDF: 39.2/31

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

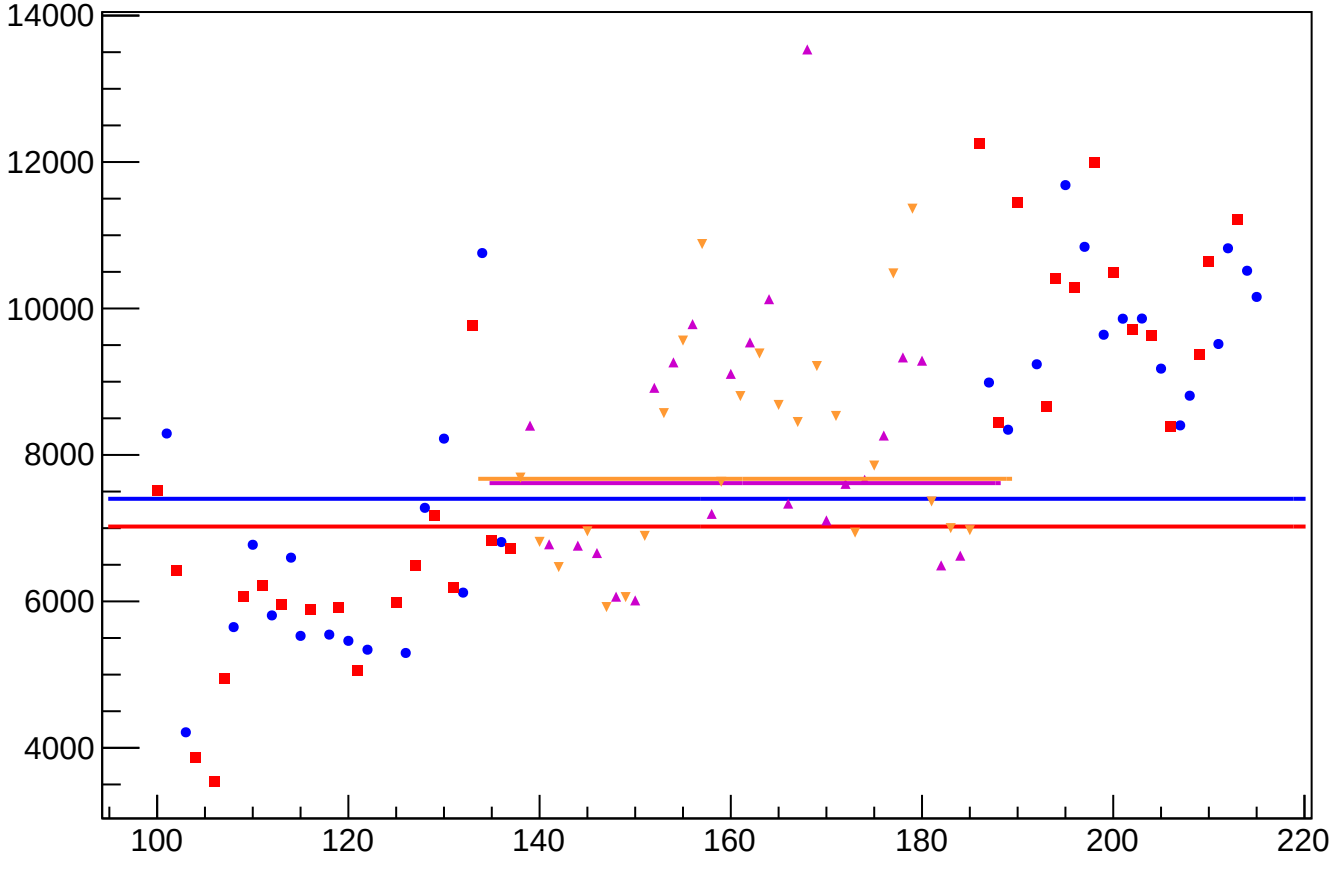
Right: 593.769+/-1232.112 χ^2/NDF: 74.4/62

In: 7.147+/-1263.066 χ^2/NDF:48.8/53

Out: 868.863+/-1252.501 χ^2/NDF:68.7/55

All: 441.624+/-889.364 χ^2/NDF: 117.7/109

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 7400.969+/-1.244 χ^2/NDF: 2970168.1/30

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 7022.109+/-1.221 χ^2/NDF: 3708097.5/31

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

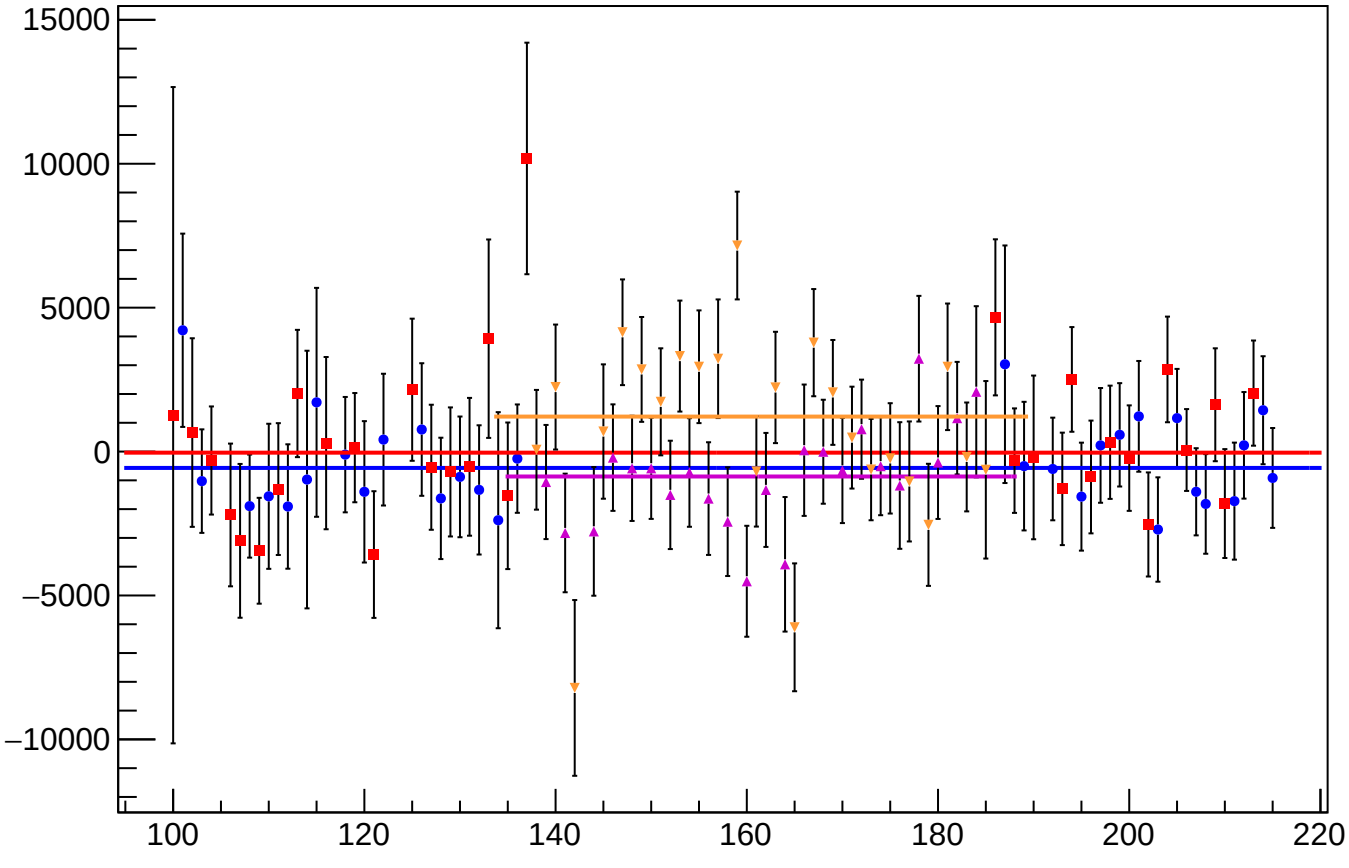
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

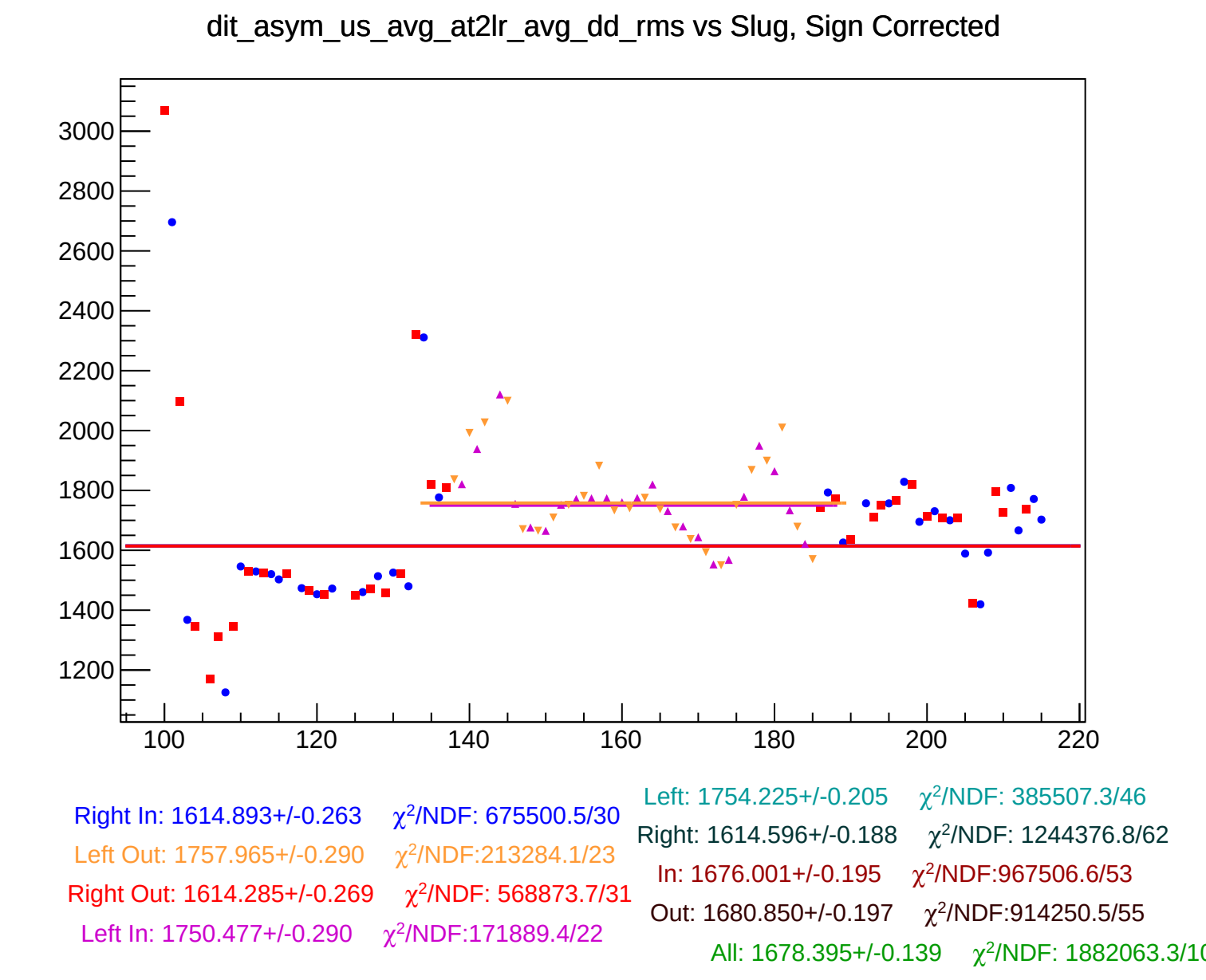
Right: 7208.001+/-0.871 χ^2/NDF: 6725523.5/62

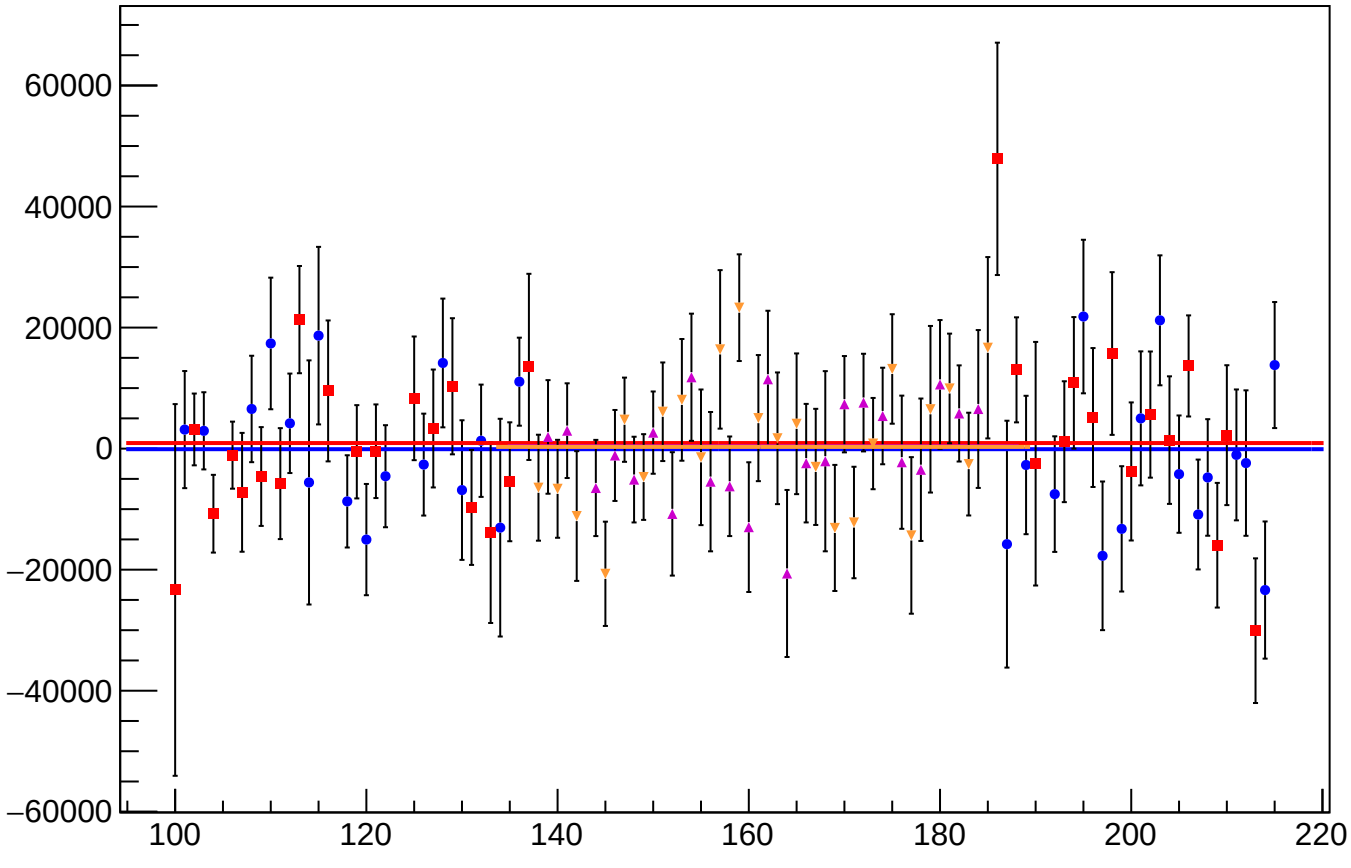
In: 7504.623+/-0.893 χ^2/NDF:4209032.2/53

Out: 7330.917+/-0.886 χ^2/NDF:4919905.3/55

All: 7417.040+/-0.629 χ^2/NDF: 9148010.0/10


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -568.310+/-371.423 χ²/NDF: 12.3/30
Left Out: 1215.353+/-409.584 χ²/NDF:48.5/23
Right Out: -38.050+/-380.583 χ²/NDF: 31.4/31
Left In: -866.022+/-410.038 χ²/NDF:15.1/22
Left: 175.818+/-289.780 χ²/NDF: 76.5/46
Right: -309.637+/-265.815 χ²/NDF: 44.6/62
In: -702.490+/-275.278 χ²/NDF:27.7/53
Out: 542.709+/-278.802 χ²/NDF:84.9/55
All: -87.810+/-195.885 χ²/NDF: 122.6/109


dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
120
140
160
180
200
220
Right In: 1614.893+/-0.263 χ²/NDF: 675500.5/30
Left Out: 1757.965+/-0.290 χ²/NDF:213284.1/23
Right Out: 1614.285+/-0.269 χ²/NDF: 568873.7/31
Left In: 1750.477+/-0.290 χ²/NDF:171889.4/22
Left: 1754.225+/-0.205 χ²/NDF: 385507.3/46
Right: 1614.596+/-0.188 χ²/NDF: 1244376.8/62
In: 1676.001+/-0.195 χ²/NDF:967506.6/53
Out: 1680.850+/-0.197 χ²/NDF:914250.5/55
All: 1678.395+/-0.139 χ²/NDF: 1882063.3/10



Right In: -93.659+/-1790.683 χ^2/NDF: 34.7/30

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 921.087+/-1691.113 χ^2/NDF: 38.7/31

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

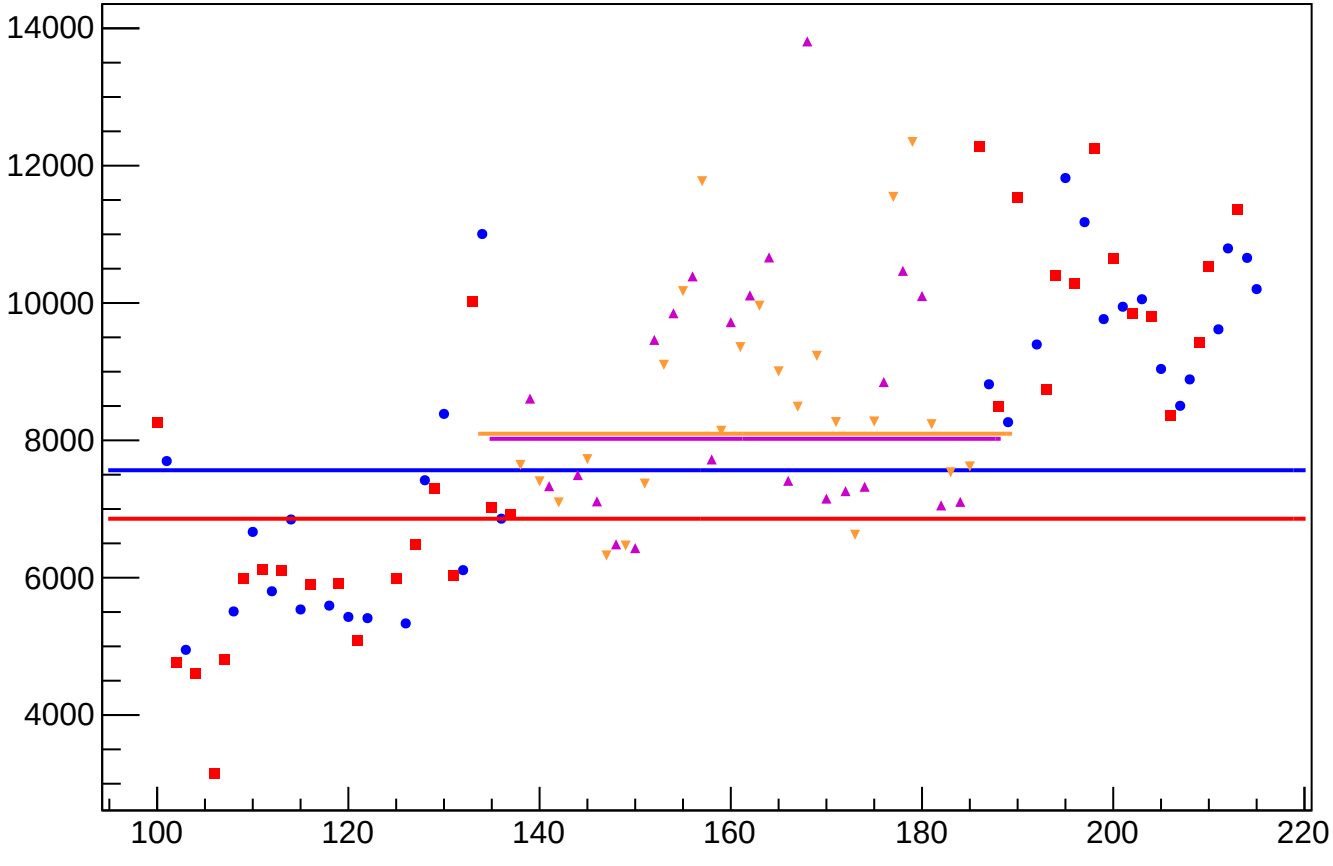
Right: 442.709+/-1229.491 χ^2/NDF: 73.6/62

In: 128.863+/-1307.112 χ^2/NDF:48.4/53

Out: 643.189+/-1269.084 χ^2/NDF:67.4/55

All: 393.617+/-910.525 χ^2/NDF: 115.8/109

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7564.737+/-1.266 χ^2/NDF: 2633278.3/30

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6858.721+/-1.196 χ^2/NDF: 4144529.4/31

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

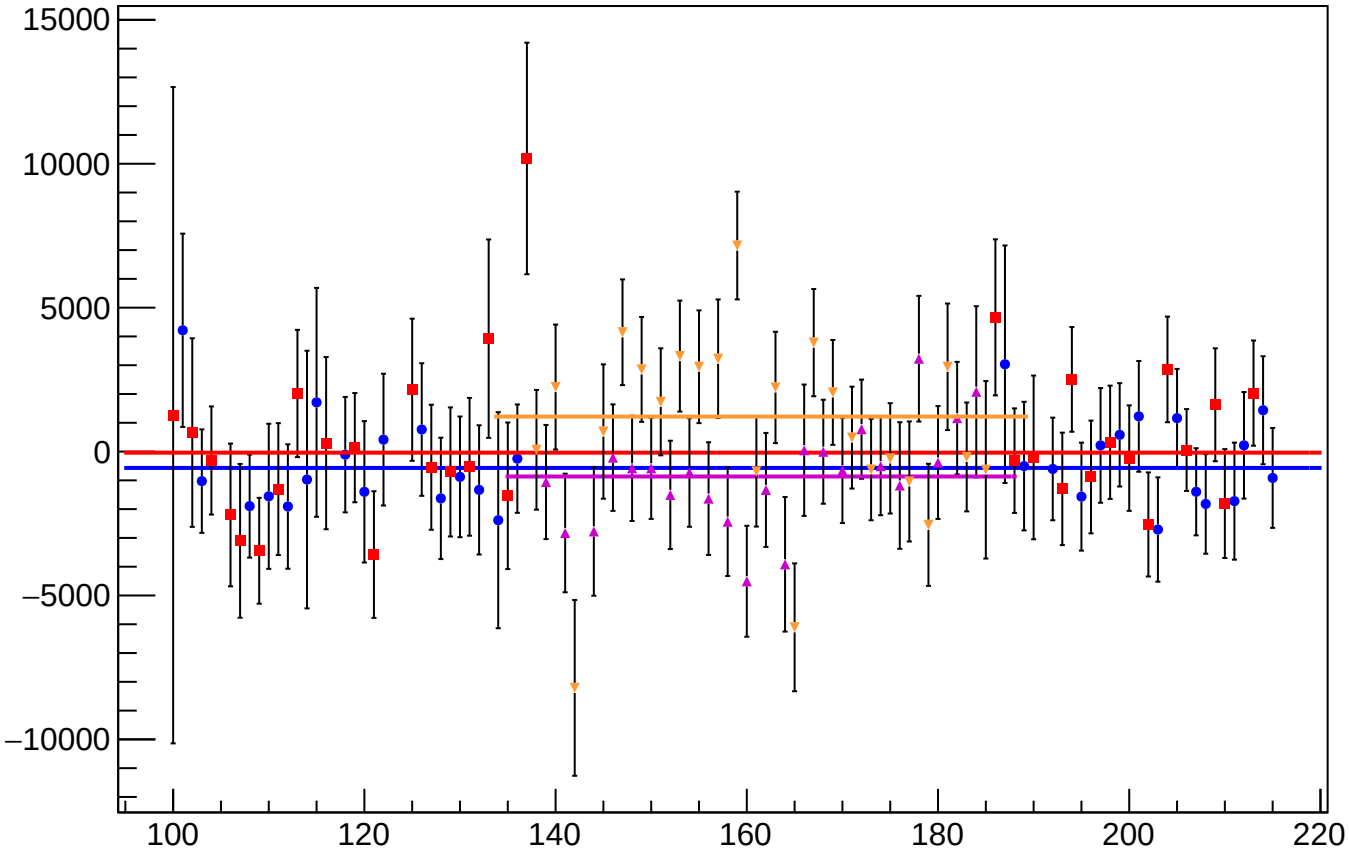
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 7191.555+/-0.869 χ^2/NDF: 6942141.8/62

In: 7778.696+/-0.924 χ^2/NDF:3919946.9/53

Out: 7399.566+/-0.897 χ^2/NDF:5700609.3/55

All: 7583.536+/-0.644 χ^2/NDF: 9707169.0/10



Right In: -568.306+/-371.423 χ^2/NDF: 12.3/30

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -38.051+/-380.583 χ^2/NDF: 31.4/31

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

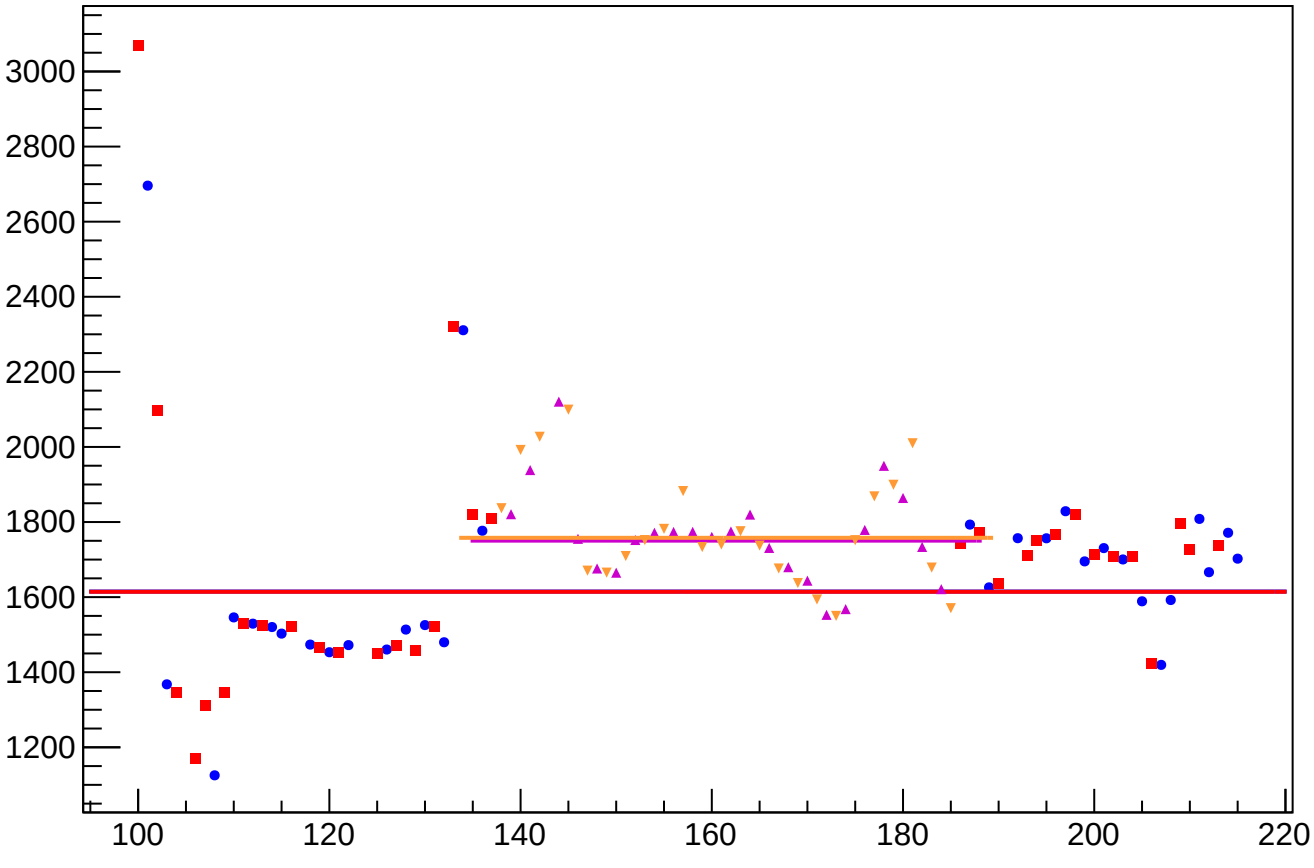
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -309.636+/-265.815 χ^2/NDF: 44.6/62

In: -702.488+/-275.278 χ^2/NDF:27.7/53

Out: 542.711+/-278.802 χ^2/NDF:84.9/55

All: -87.808+/-195.885 χ^2/NDF: 122.6/109



Right In: 1614.893+/-0.263 χ^2/NDF: 675500.5/30

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1614.286+/-0.269 χ^2/NDF: 568874.7/31

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

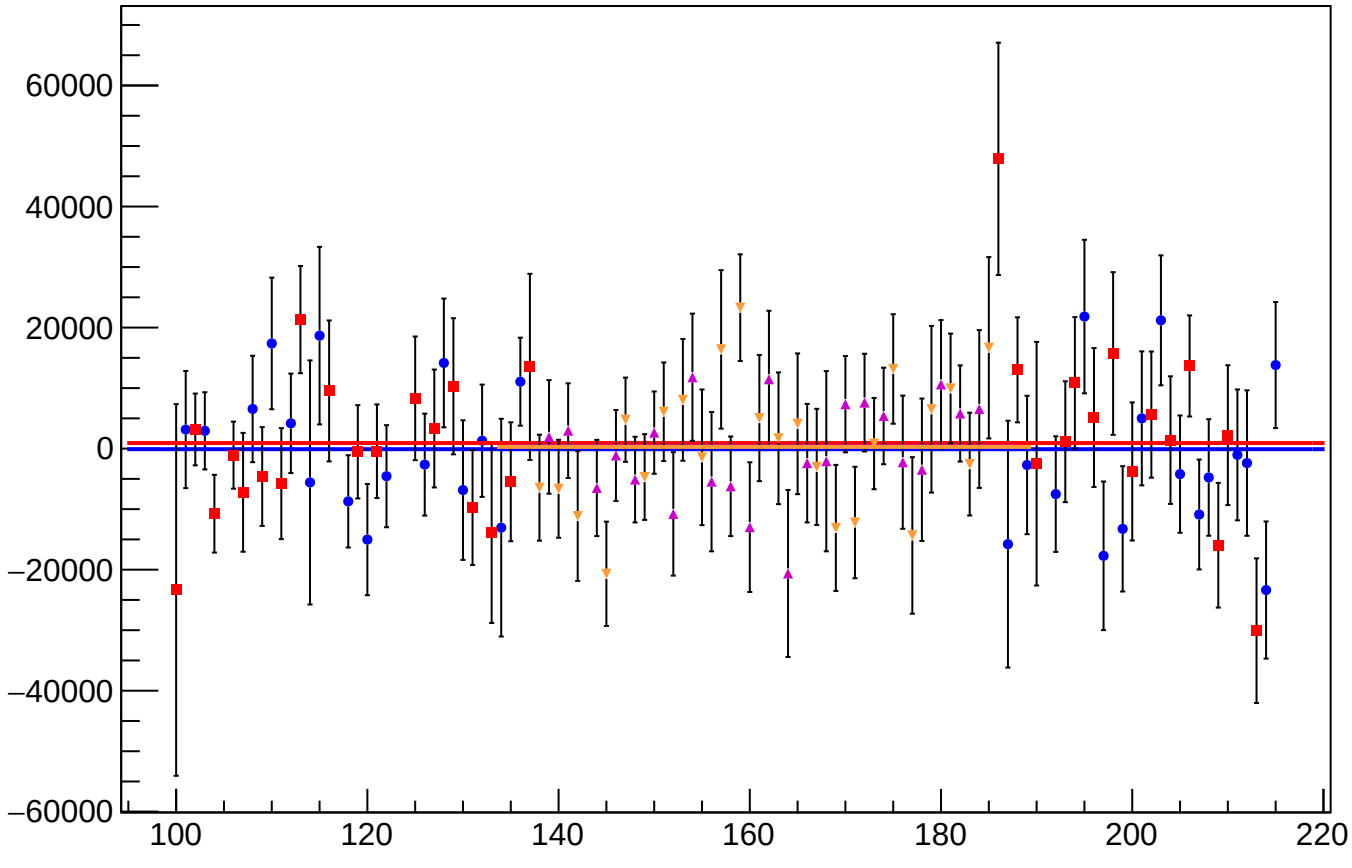
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1614.597+/-0.188 χ^2/NDF: 1244377.8/62

In: 1676.003+/-0.195 χ^2/NDF:967519.2/53

Out: 1680.851+/-0.197 χ^2/NDF:914264.3/55

All: 1678.396+/-0.139 χ^2/NDF: 1882089.8/10



Right In: -93.666+/-1790.682 χ^2/NDF: 34.7/30

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 921.078+/-1691.111 χ^2/NDF: 38.7/31

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

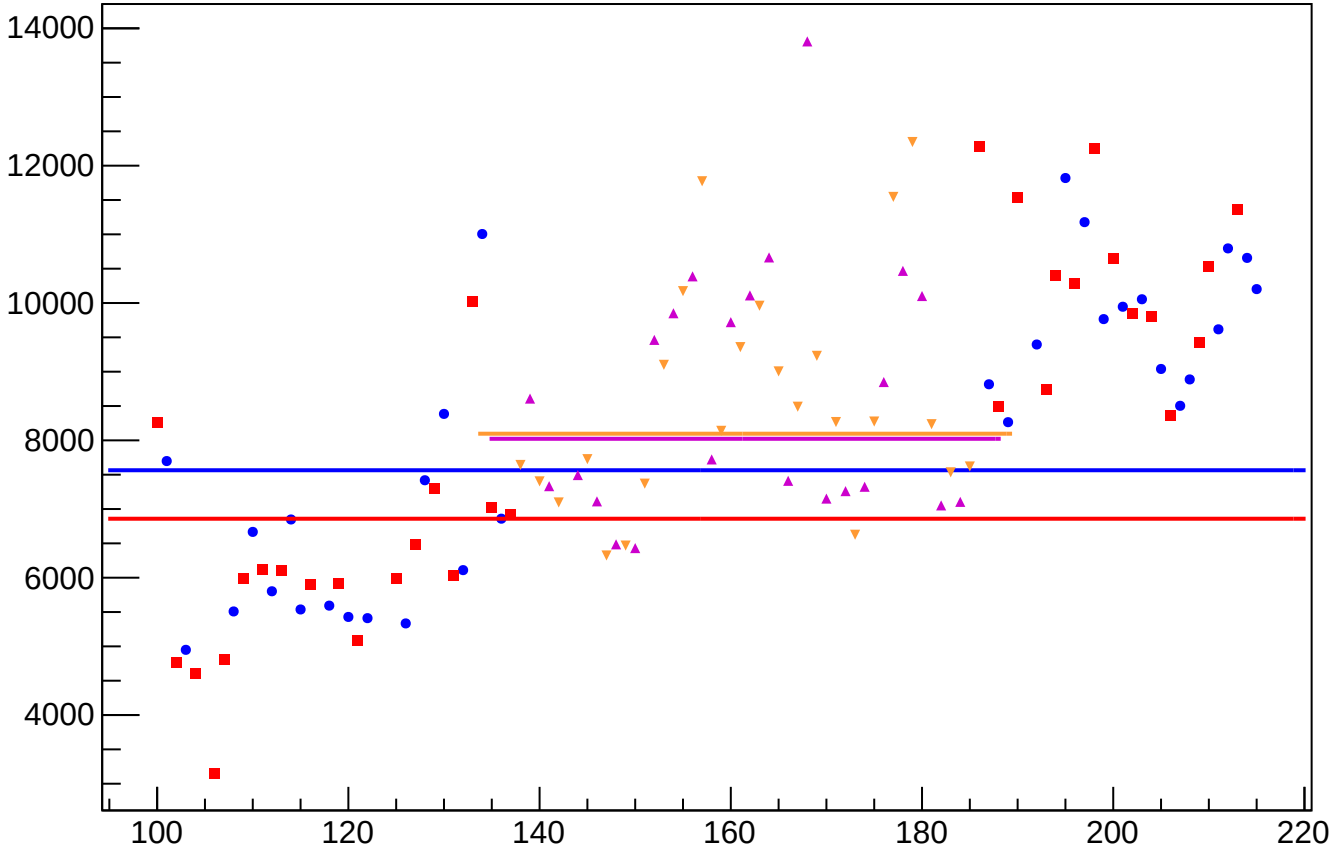
Right: 442.702+/-1229.490 χ^2/NDF: 73.6/62

In: 128.860+/-1307.113 χ^2/NDF:48.4/53

Out: 643.186+/-1269.084 χ^2/NDF:67.4/55

All: 393.614+/-910.526 χ^2/NDF: 115.8/109

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7564.729+/-1.266 χ^2/NDF: 2633314.0/30

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6858.711+/-1.196 χ^2/NDF: 4144561.2/31

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

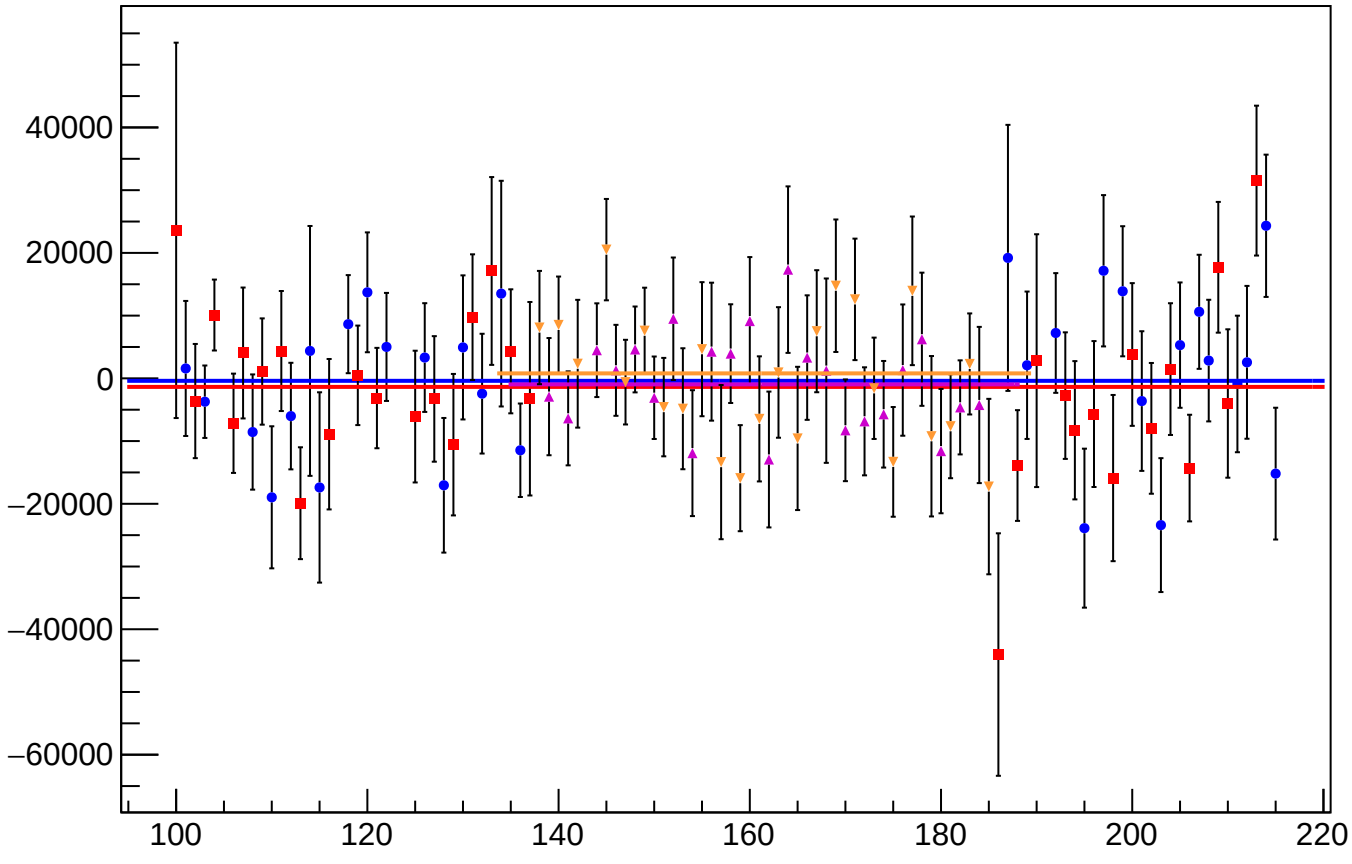
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 7191.546+/-0.869 χ^2/NDF: 6942210.5/62

In: 7778.697+/-0.924 χ^2/NDF:3919991.9/53

Out: 7399.565+/-0.897 χ^2/NDF:5700659.7/55

All: 7583.535+/-0.644 χ^2/NDF: 9707265.5/10



Right In: -395.398+/-1808.060 χ^2/NDF: 37.6/30

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -1363.025+/-1785.718 χ^2/NDF: 37.6/31

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

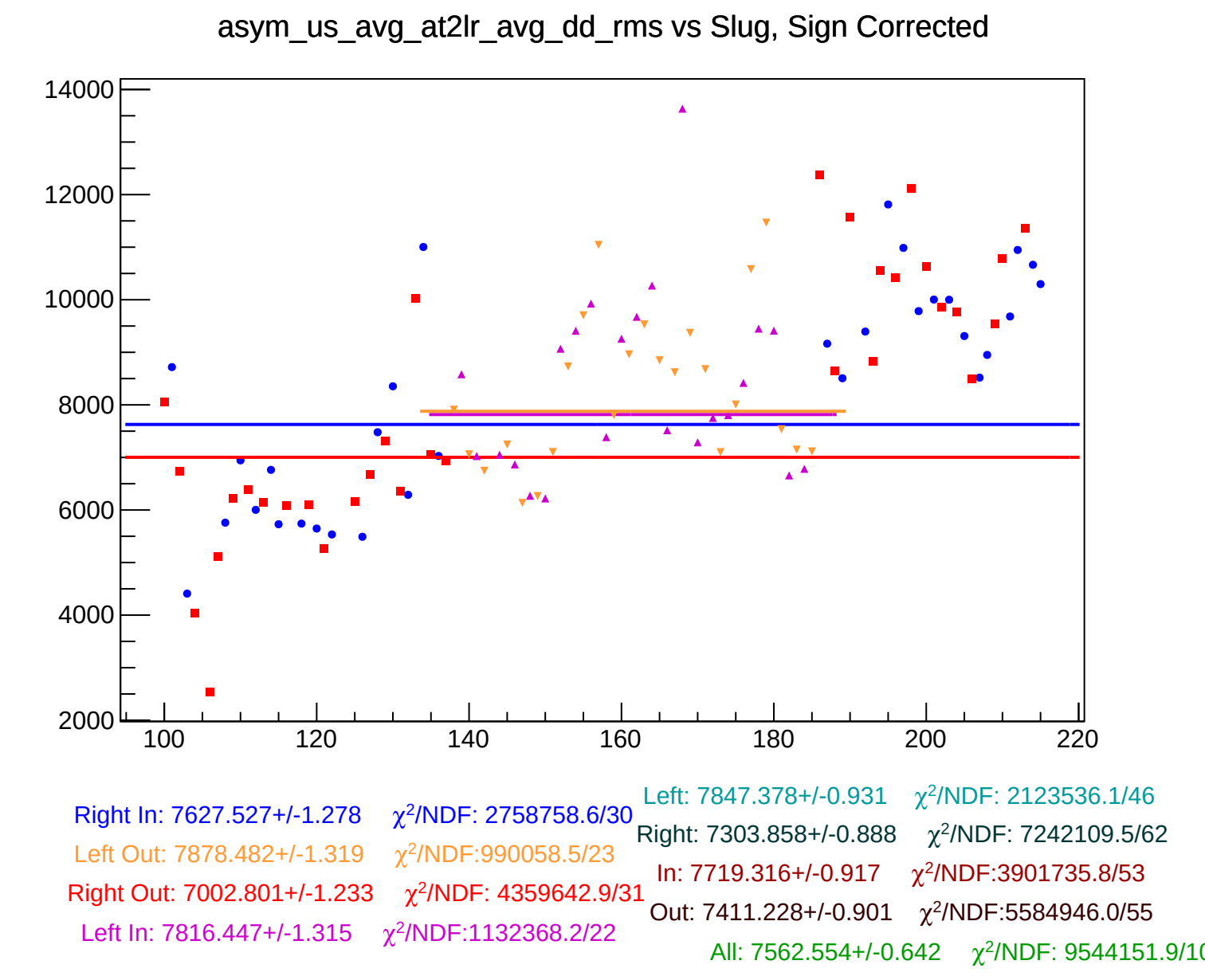
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

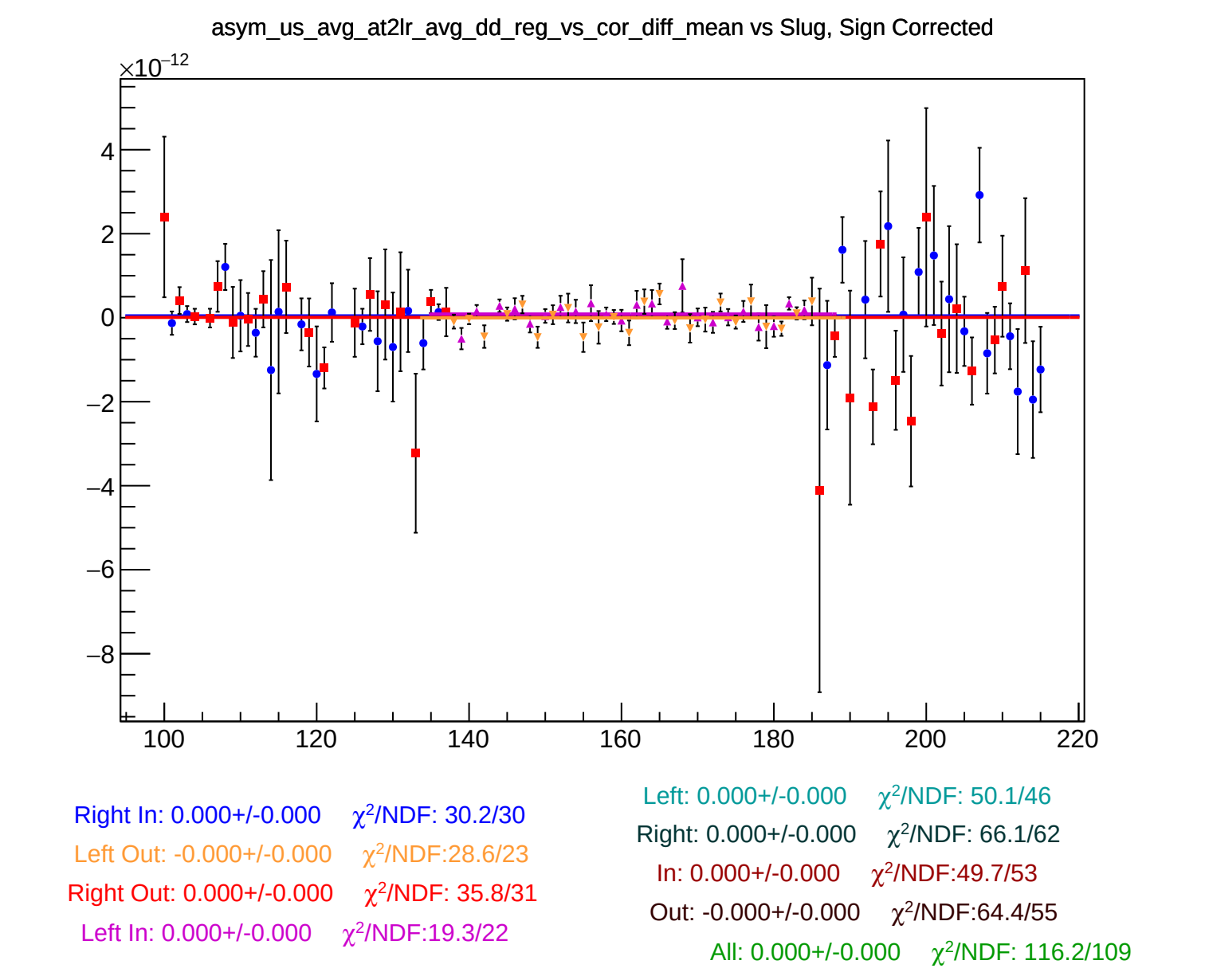
Right: -885.227+/-1270.519 χ^2/NDF: 75.3/62

In: -671.645+/-1296.440 χ^2/NDF:50.4/53

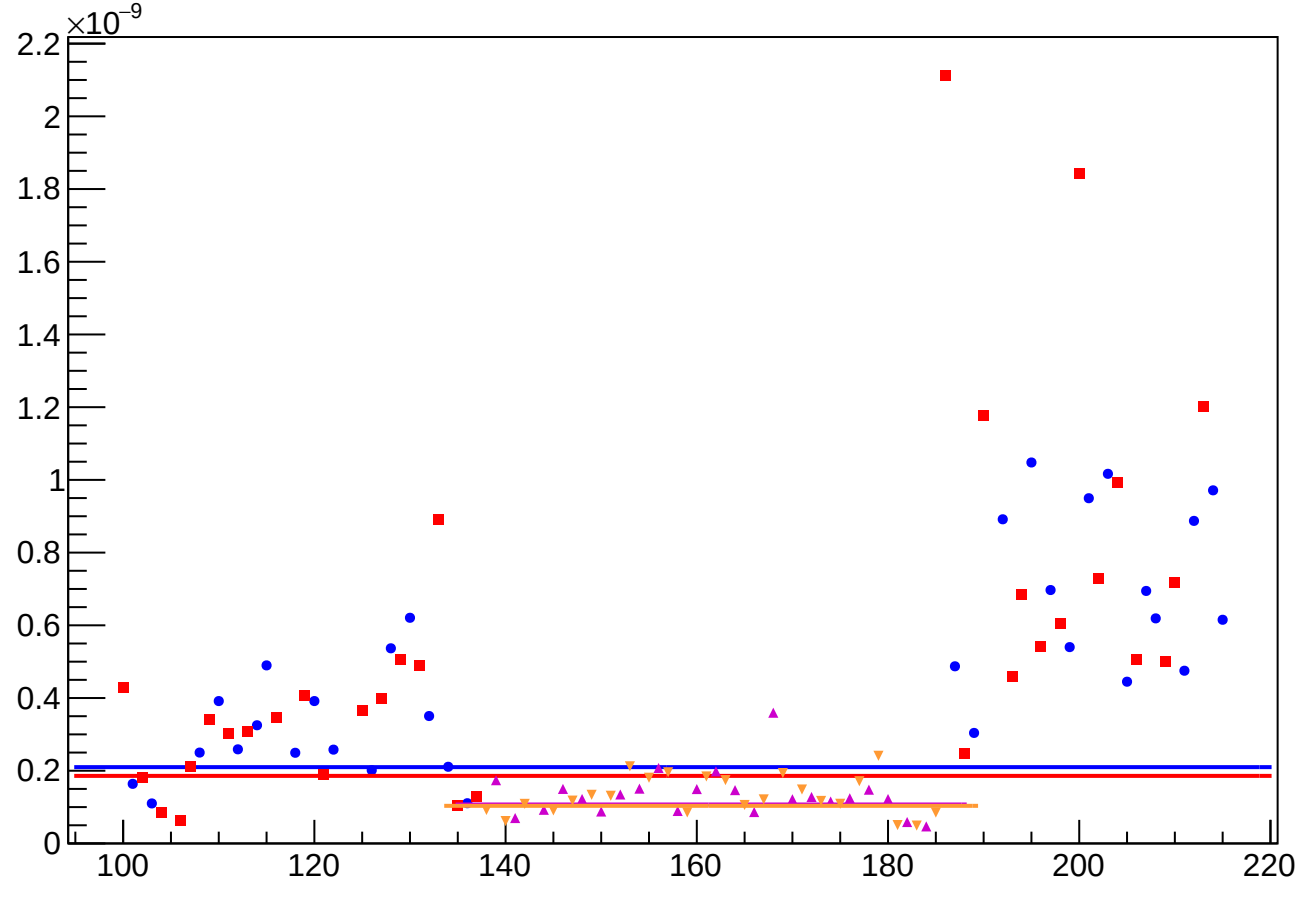
Out: -332.707+/-1289.848 χ^2/NDF:65.5/55

All: -501.312+/-914.382 χ^2/NDF: 115.9/109


asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 7627.527+/-1.278 χ²/NDF: 2758758.6/30
Left Out: 7878.482+/-1.319 χ²/NDF:990058.5/23
Right Out: 7002.801+/-1.233 χ²/NDF: 4359642.9/31
Left In: 7816.447+/-1.315 χ²/NDF:1132368.2/22
Left: 7847.378+/-0.931 χ²/NDF: 2123536.1/46
Right: 7303.858+/-0.888 χ²/NDF: 7242109.5/62
In: 7719.316+/-0.917 χ²/NDF:3901735.8/53
Out: 7411.228+/-0.901 χ²/NDF:5584946.0/55
All: 7562.554+/-0.642 χ²/NDF: 9544151.9/10


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 30.2/30
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 35.8/31
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/46
Right: 0.000+/-0.000 χ²/NDF: 66.1/62
In: 0.000+/-0.000 χ²/NDF:49.7/53
Out: -0.000+/-0.000 χ²/NDF:64.4/55
All: 0.000+/-0.000 χ²/NDF: 116.2/109

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6434246.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7501508.4/31

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

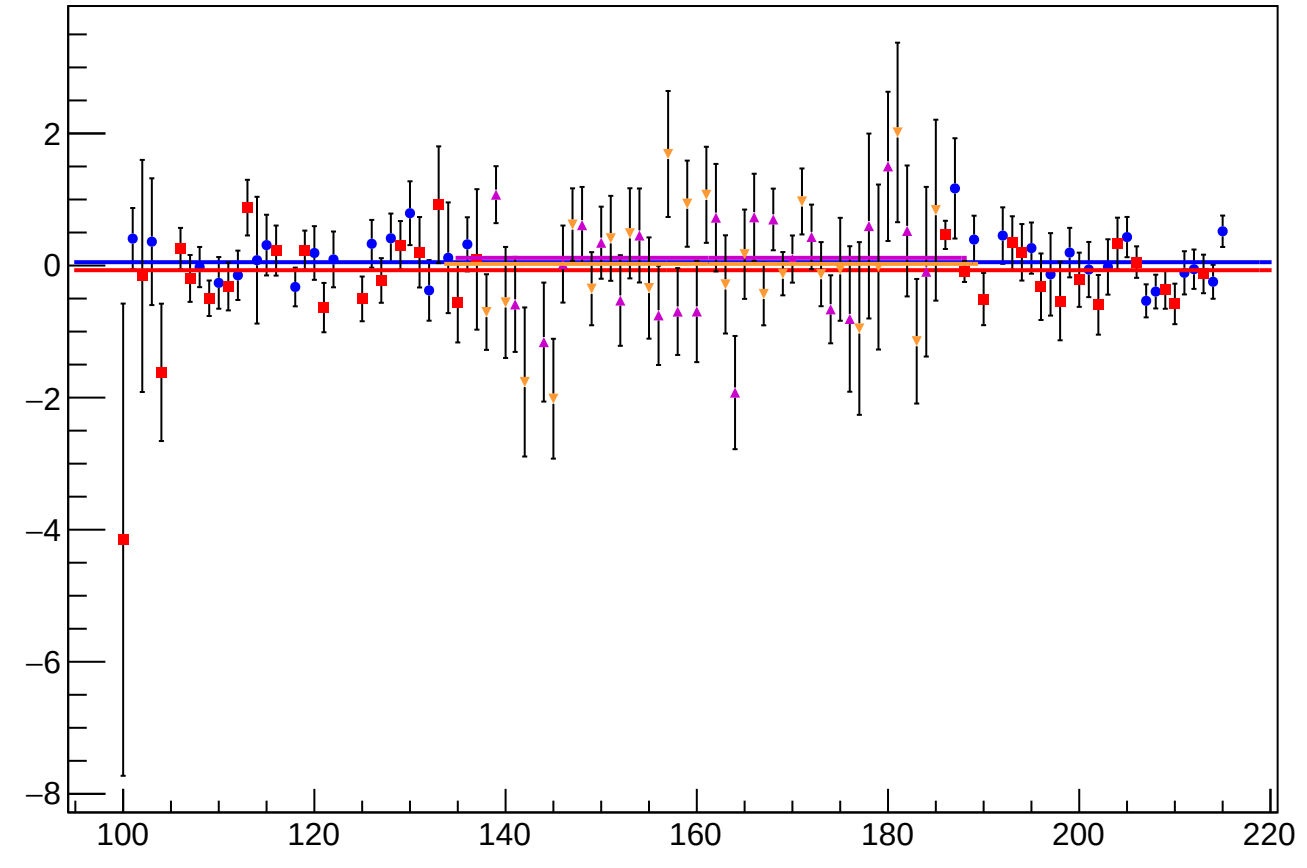
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 13997310.7/62

In: 0.000+/-0.000 χ^2/NDF:9854296.6/53

Out: 0.000+/-0.000 χ^2/NDF:10614928.5/55

All: 0.000+/-0.000 χ^2/NDF: 20503240.1/109



Right In: 0.051+/-0.066 χ^2/NDF: 29.2/30

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.071+/-0.062 χ^2/NDF: 38.4/31

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

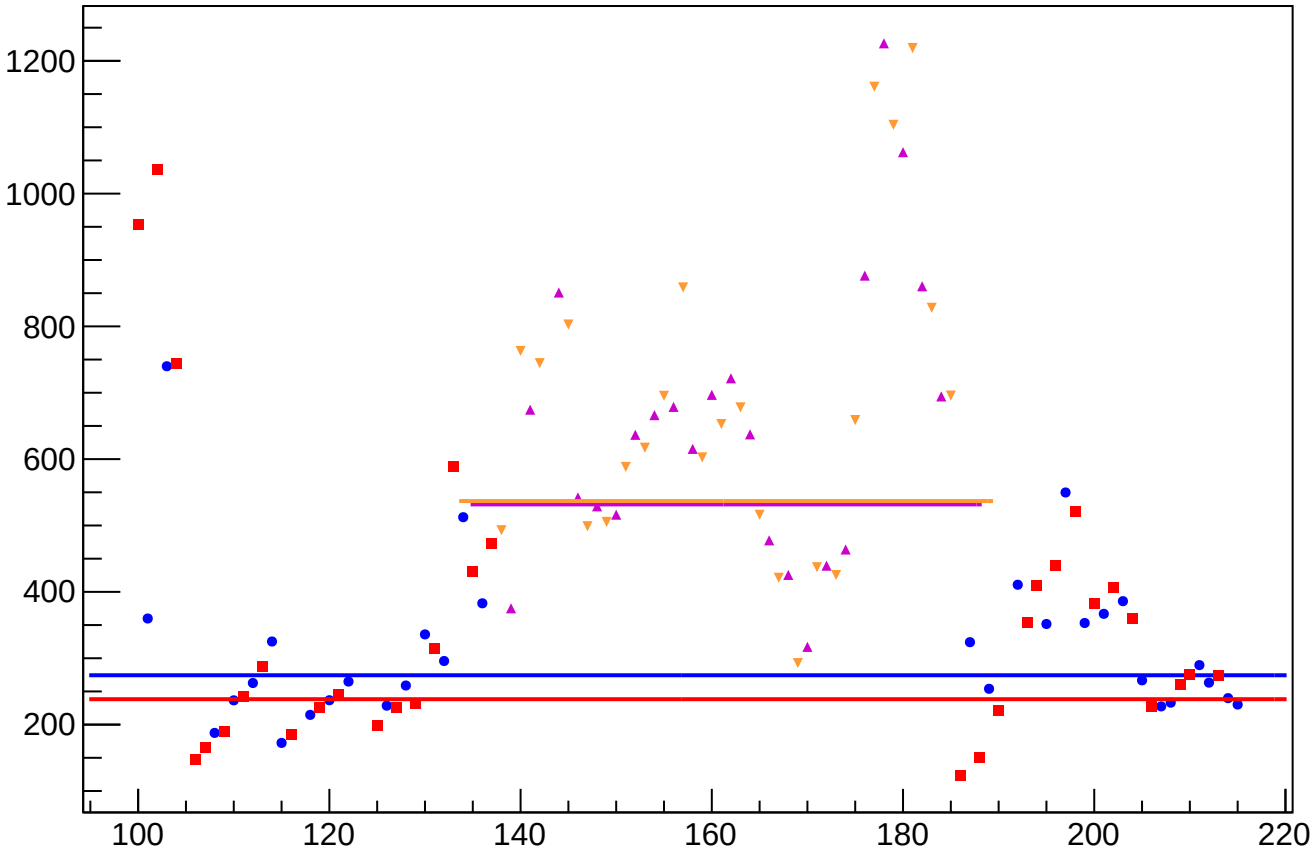
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: -0.014+/-0.045 χ^2/NDF: 69.3/62

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: 0.002+/-0.041 χ^2/NDF: 127.1/109



Right In: 274.363+/-0.047 χ^2/NDF: 2551565.3/30

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 238.297+/-0.044 χ^2/NDF: 5269460.3/31

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

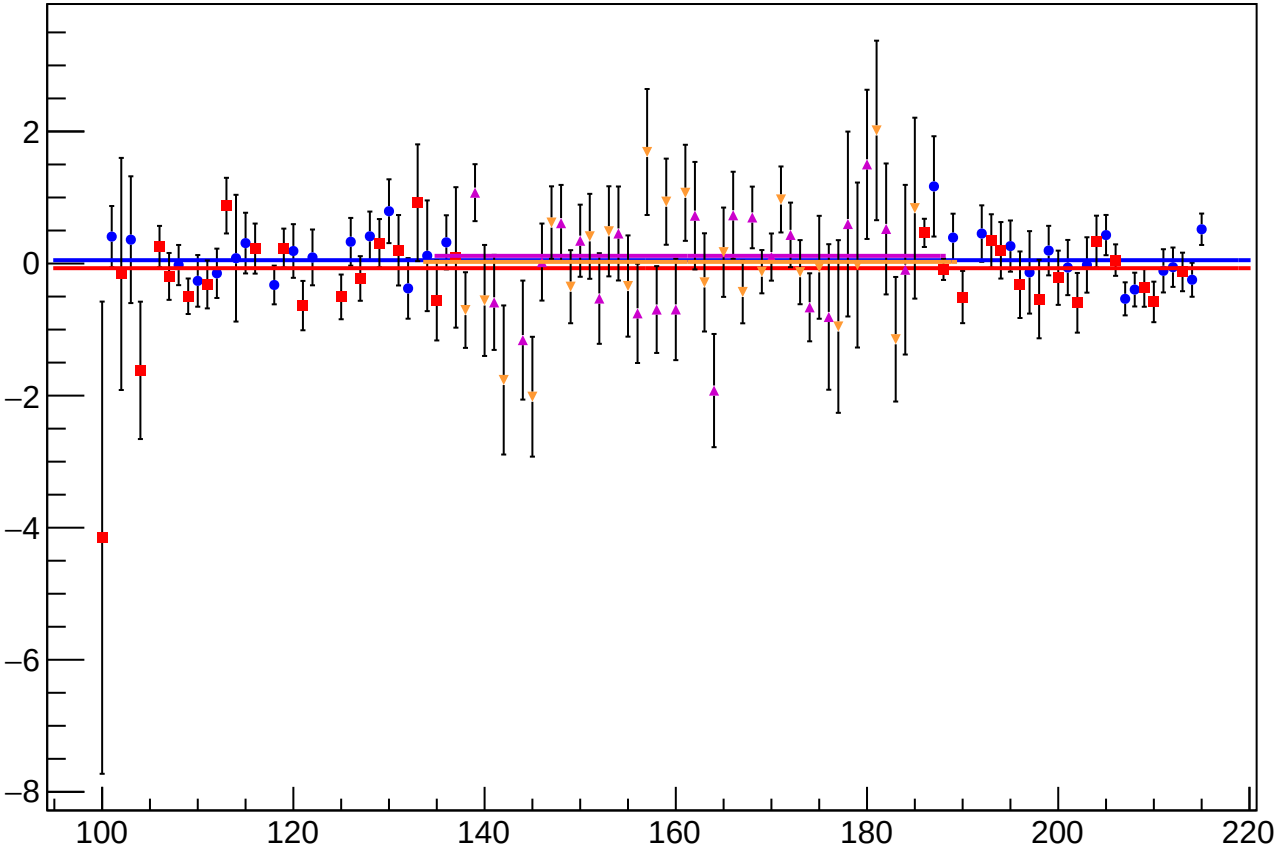
Right: 255.160+/-0.032 χ^2/NDF: 8137636.2/62

In: 325.735+/-0.042 χ^2/NDF:11977834.5/53

Out: 290.930+/-0.040 χ^2/NDF:17412318.4/55

All: 307.452+/-0.029 χ^2/NDF: 29753576.0/10

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.066 χ^2/NDF: 29.2/30

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.071+/-0.062 χ^2/NDF: 38.4/31

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

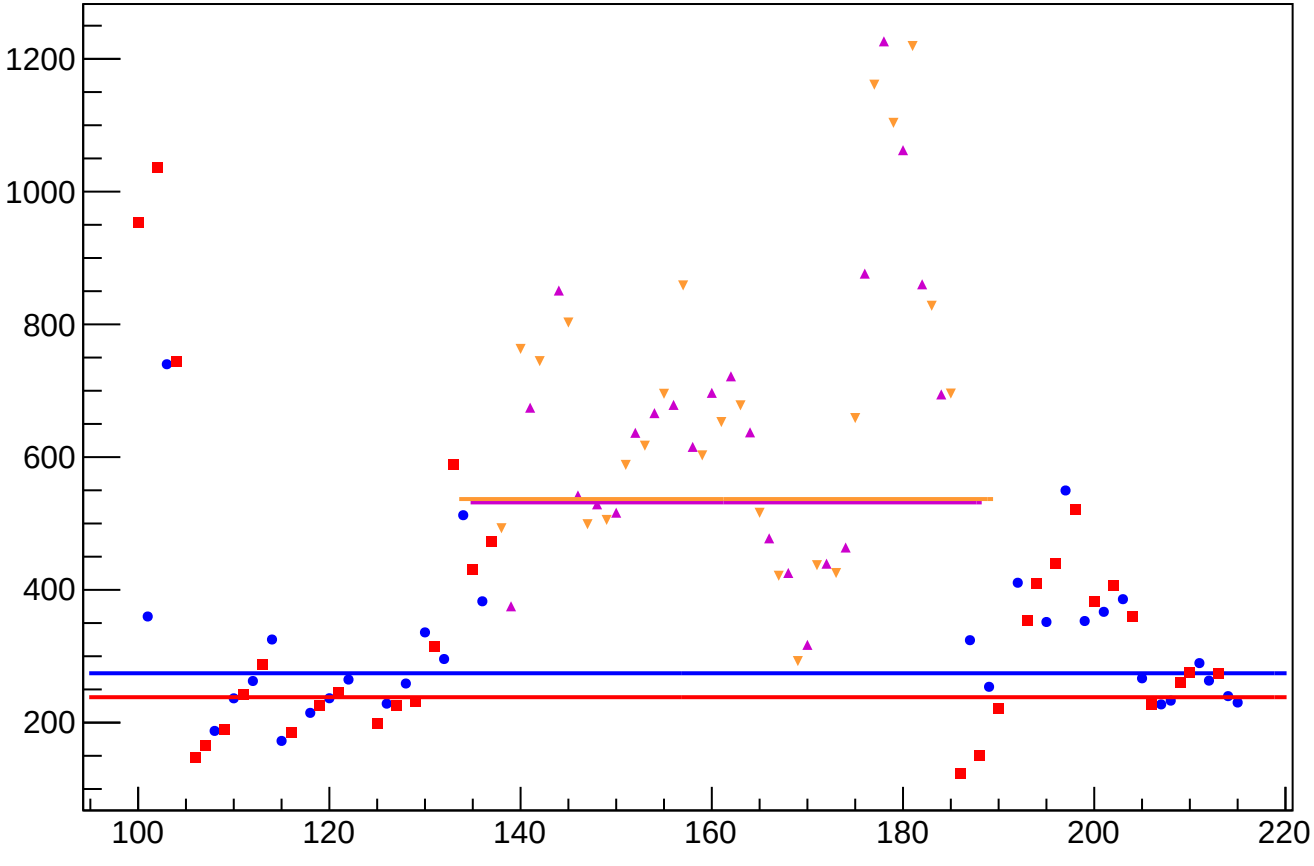
Right: -0.014+/-0.045 χ^2/NDF: 69.3/62

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: 0.002+/-0.041 χ^2/NDF: 127.1/109

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 274.363+/-0.047 χ^2/NDF: 2551565.3/30

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 238.297+/-0.044 χ^2/NDF: 5269460.3/31

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

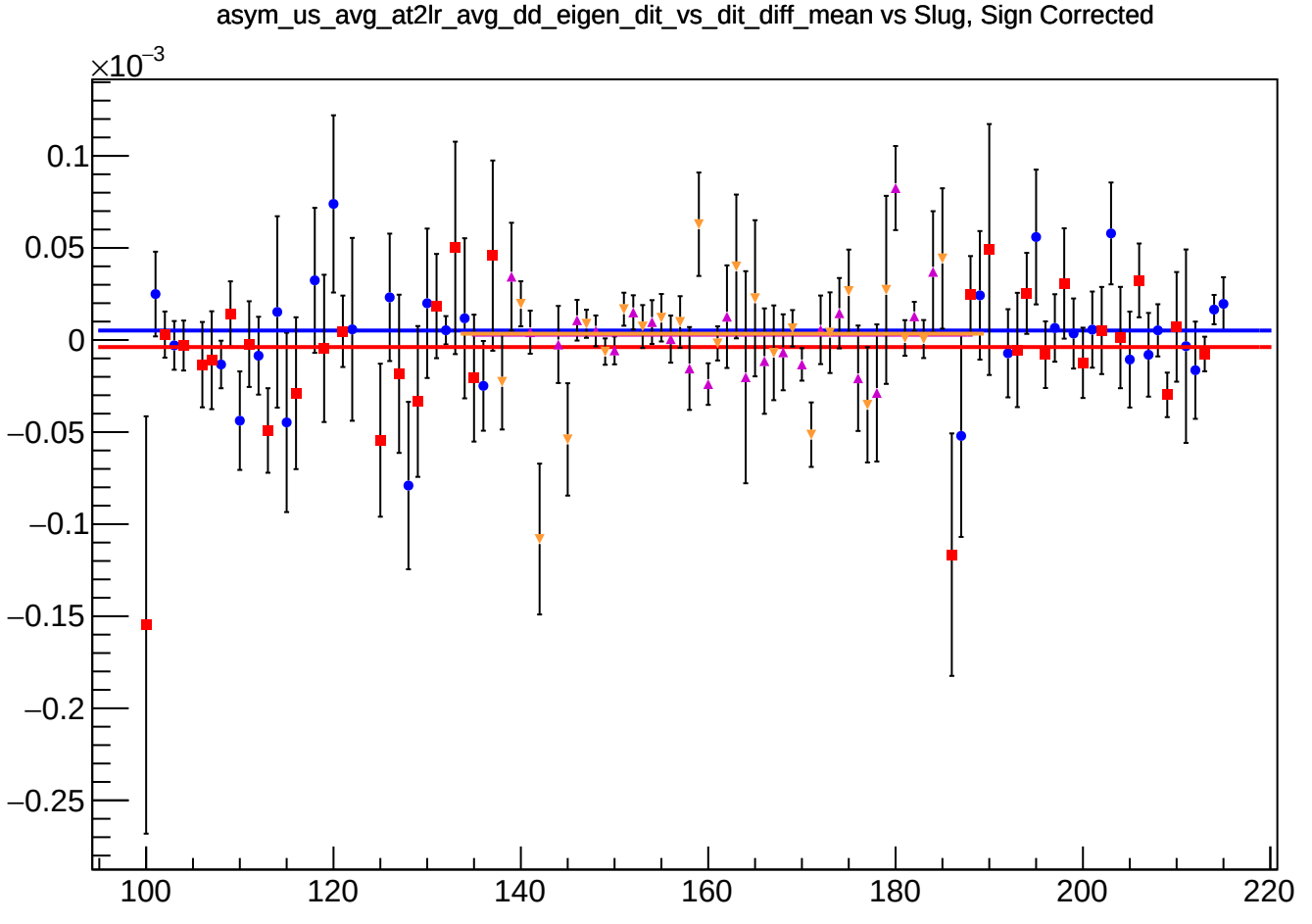
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 255.160+/-0.032 χ^2/NDF: 8137636.2/62

In: 325.735+/-0.042 χ^2/NDF:11977834.5/53

Out: 290.930+/-0.040 χ^2/NDF:17412318.4/55

All: 307.452+/-0.029 χ^2/NDF: 29753576.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/31

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

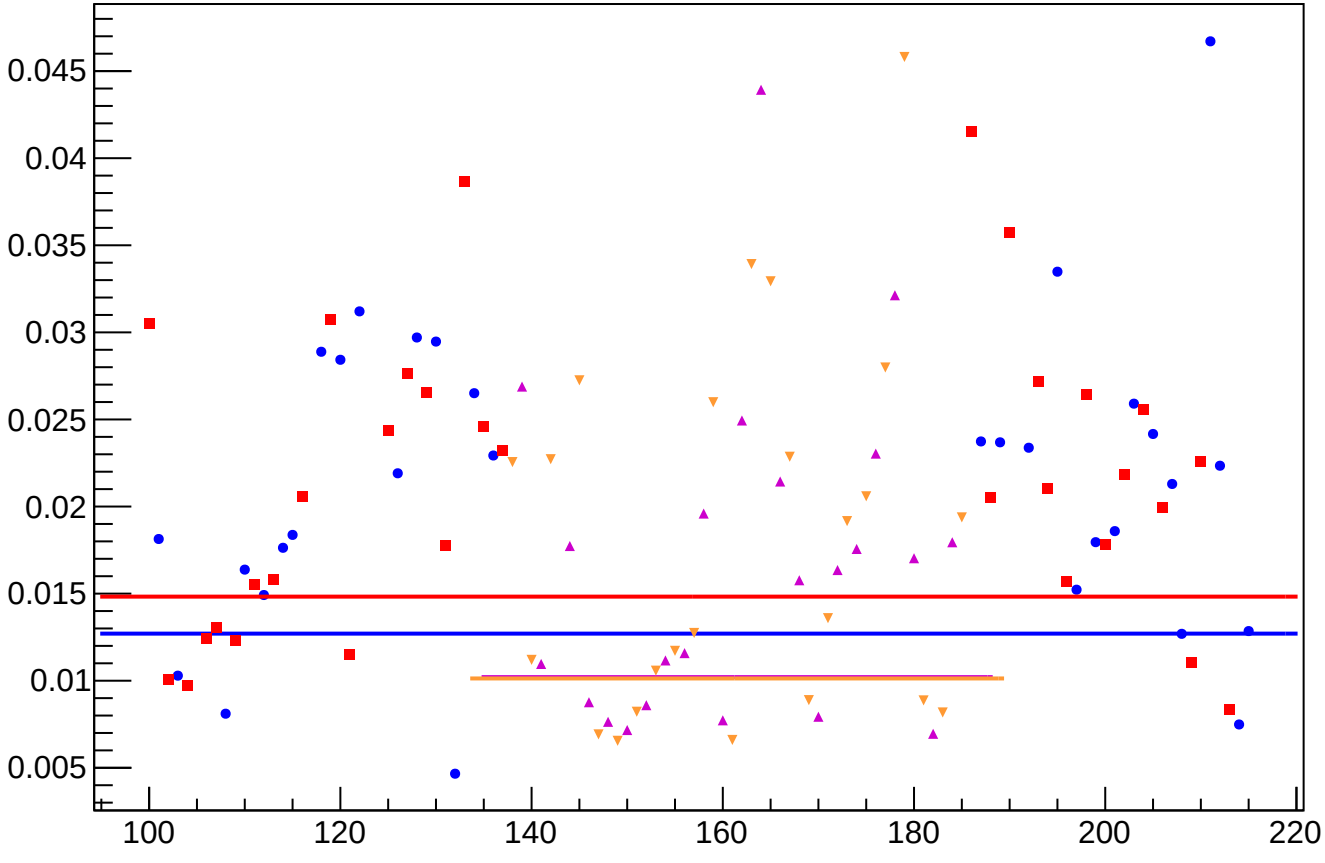
Right: 0.000+/-0.000 χ^2/NDF: 60.3/62

In: 0.000+/-0.000 χ^2/NDF:60.0/53

Out: 0.000+/-0.000 χ^2/NDF:71.1/55

All: 0.000+/-0.000 χ^2/NDF: 131.9/109

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 9645119.1/30

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.015+/-0.000 χ^2/NDF: 5500993.9/31

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

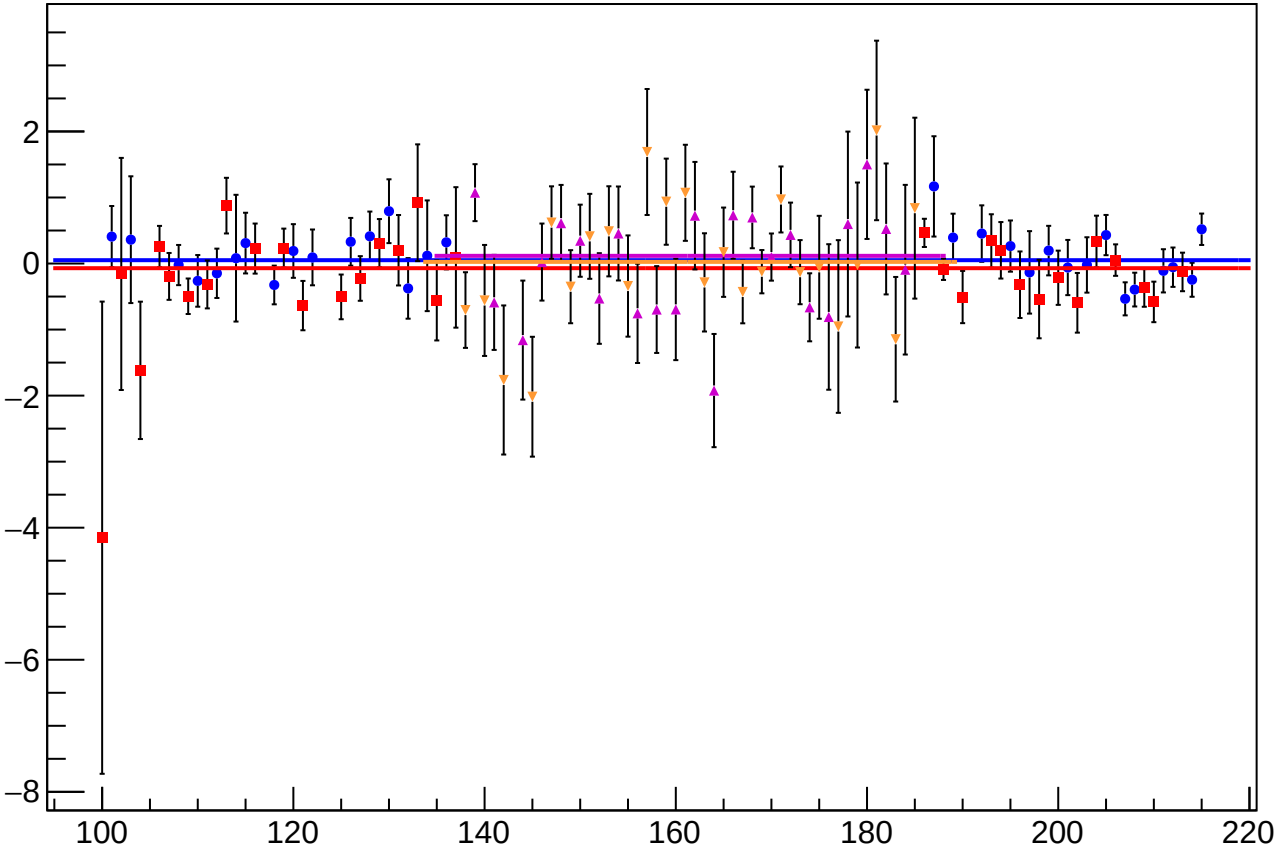
Right: 0.014+/-0.000 χ^2/NDF: 15486141.0/62

In: 0.011+/-0.000 χ^2/NDF:16358536.6/53

Out: 0.012+/-0.000 χ^2/NDF:15299786.3/55

All: 0.011+/-0.000 χ^2/NDF: 31716965.8/109

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.066 χ^2/NDF: 29.2/30

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.071+/-0.062 χ^2/NDF: 38.4/31

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

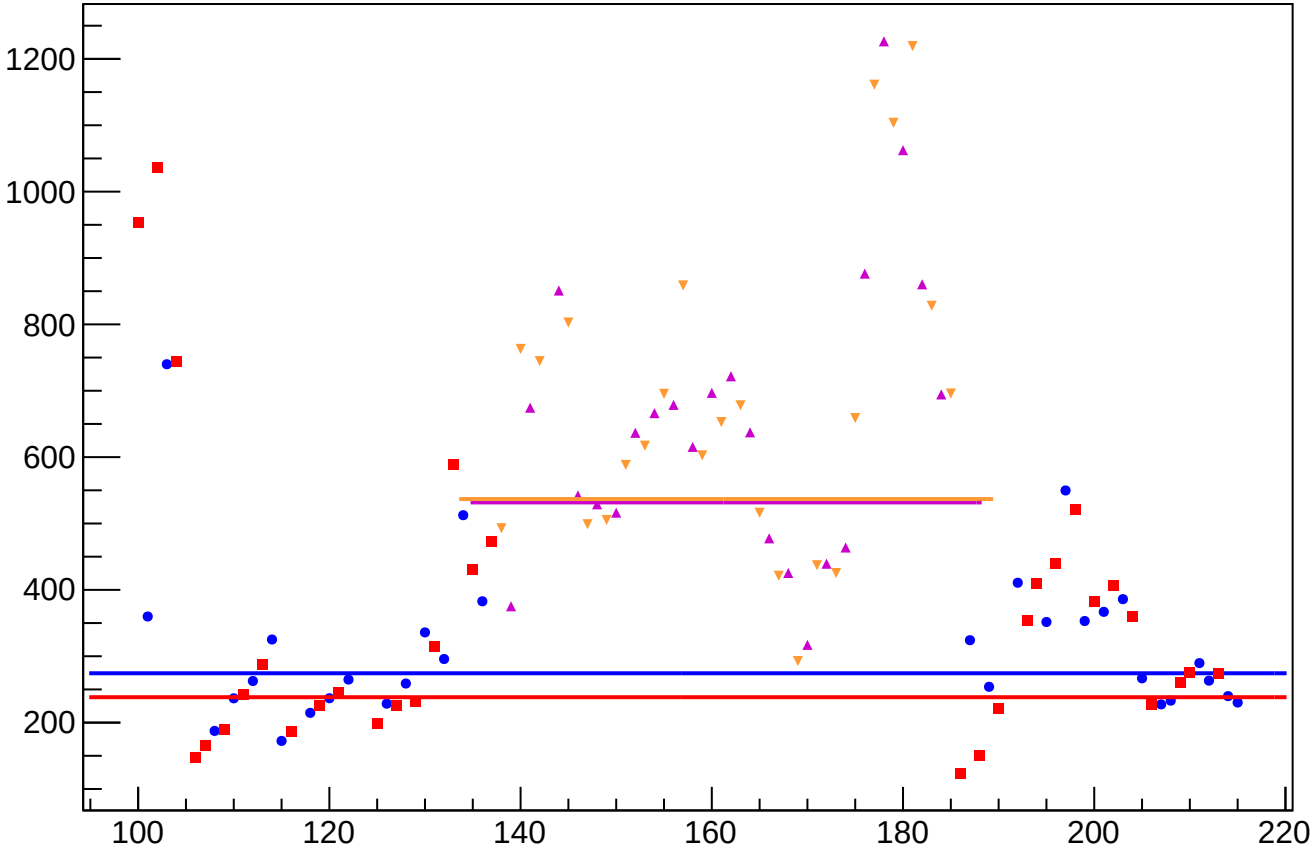
Right: -0.014+/-0.045 χ^2/NDF: 69.3/62

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: 0.002+/-0.041 χ^2/NDF: 127.1/109

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 274.362+/-0.047 χ^2/NDF: 2551576.4/30

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 238.295+/-0.044 χ^2/NDF: 5269598.0/31

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

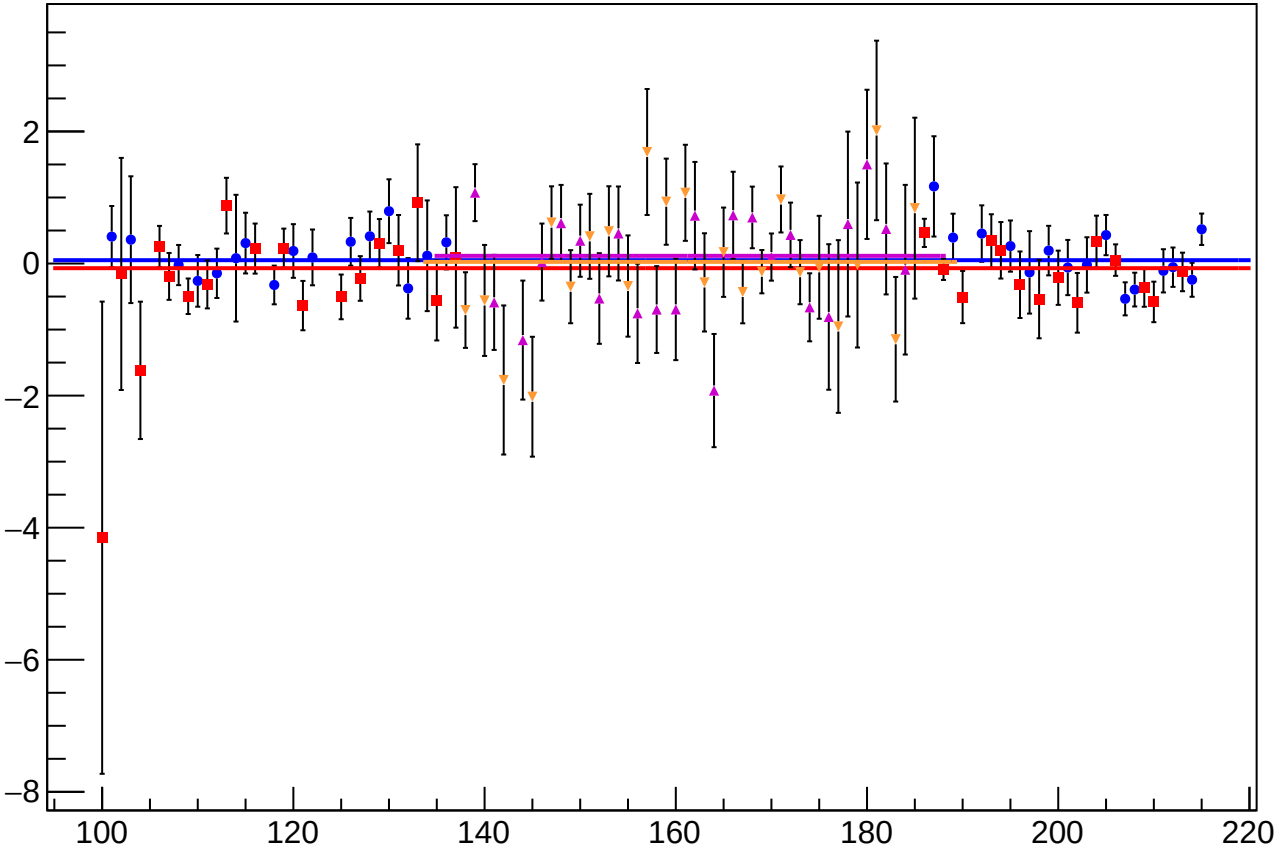
Right: 255.158+/-0.032 χ^2/NDF: 8137812.9/62

In: 325.733+/-0.042 χ^2/NDF:11978076.9/53

Out: 290.927+/-0.040 χ^2/NDF:17412782.8/55

All: 307.450+/-0.029 χ^2/NDF: 29754324.2/10

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.066 χ^2/NDF: 29.2/30

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.071+/-0.062 χ^2/NDF: 38.4/31

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

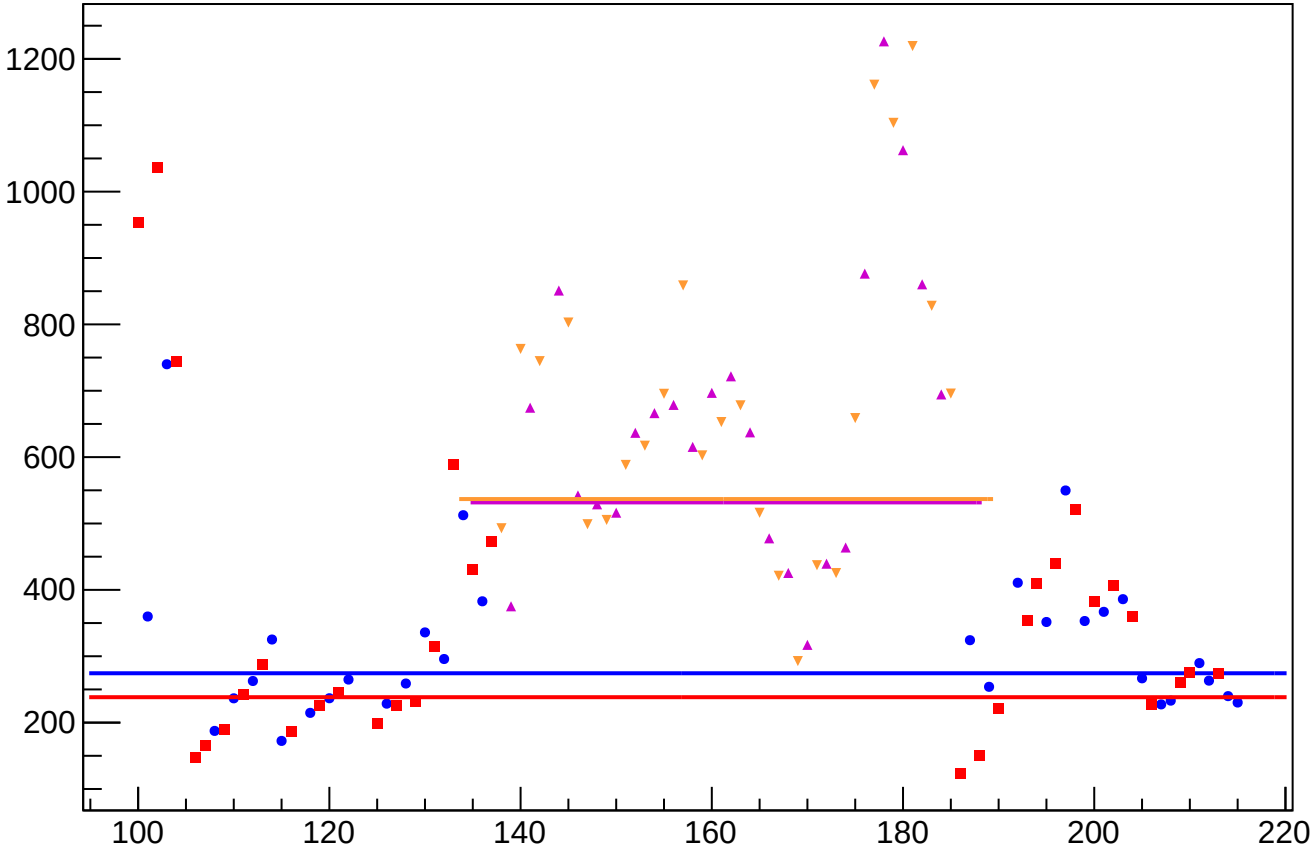
Right: -0.014+/-0.045 χ^2/NDF: 69.3/62

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.054+/-0.056 χ^2/NDF:67.8/55

All: 0.002+/-0.041 χ^2/NDF: 127.1/109

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 274.362+/-0.047 χ^2/NDF: 2551576.4/30

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 238.295+/-0.044 χ^2/NDF: 5269598.0/31

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

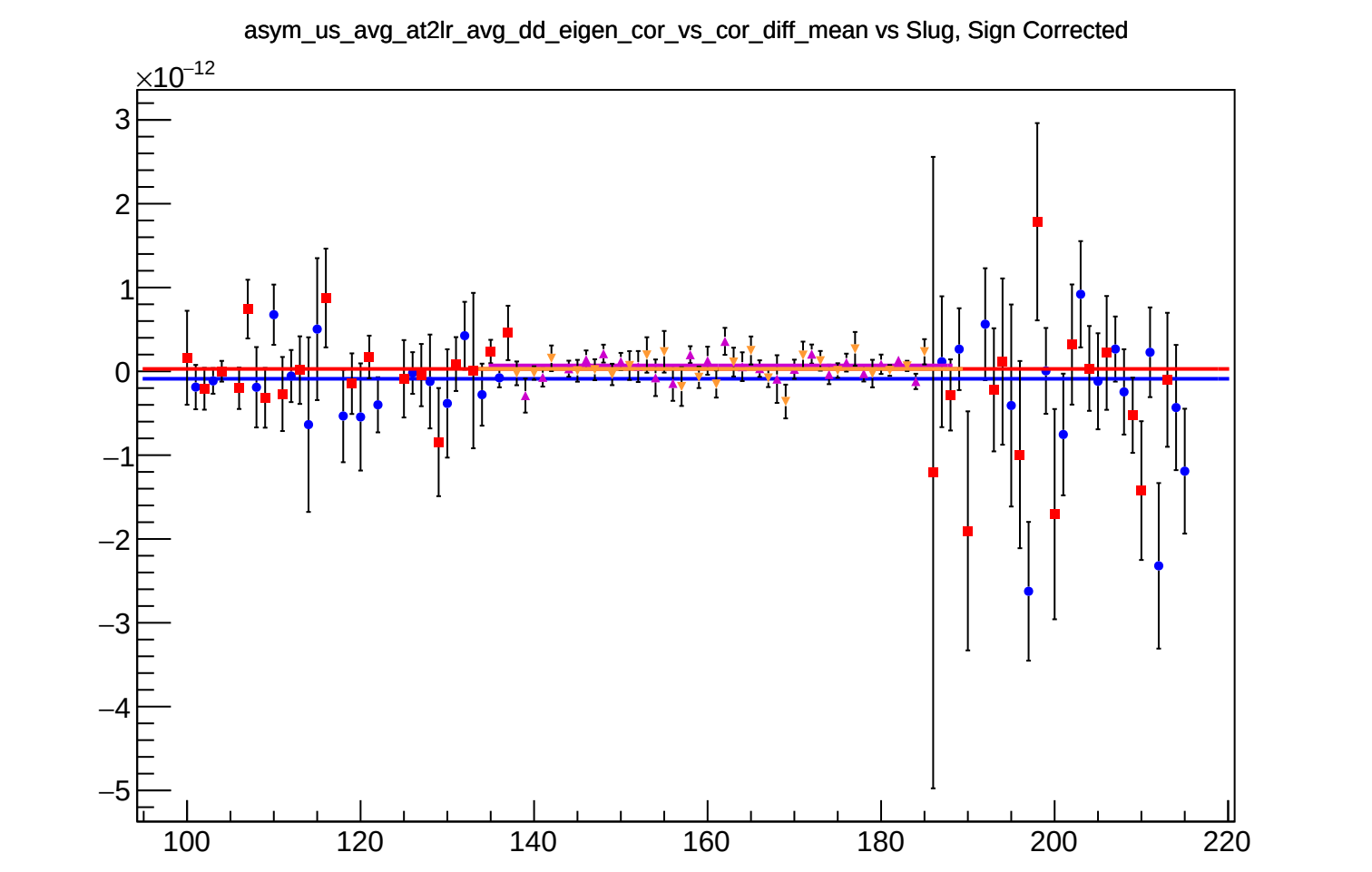
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 255.158+/-0.032 χ^2/NDF: 8137812.9/62

In: 325.733+/-0.042 χ^2/NDF:11978076.9/53

Out: 290.927+/-0.040 χ^2/NDF:17412782.8/55

All: 307.450+/-0.029 χ^2/NDF: 29754324.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/31

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

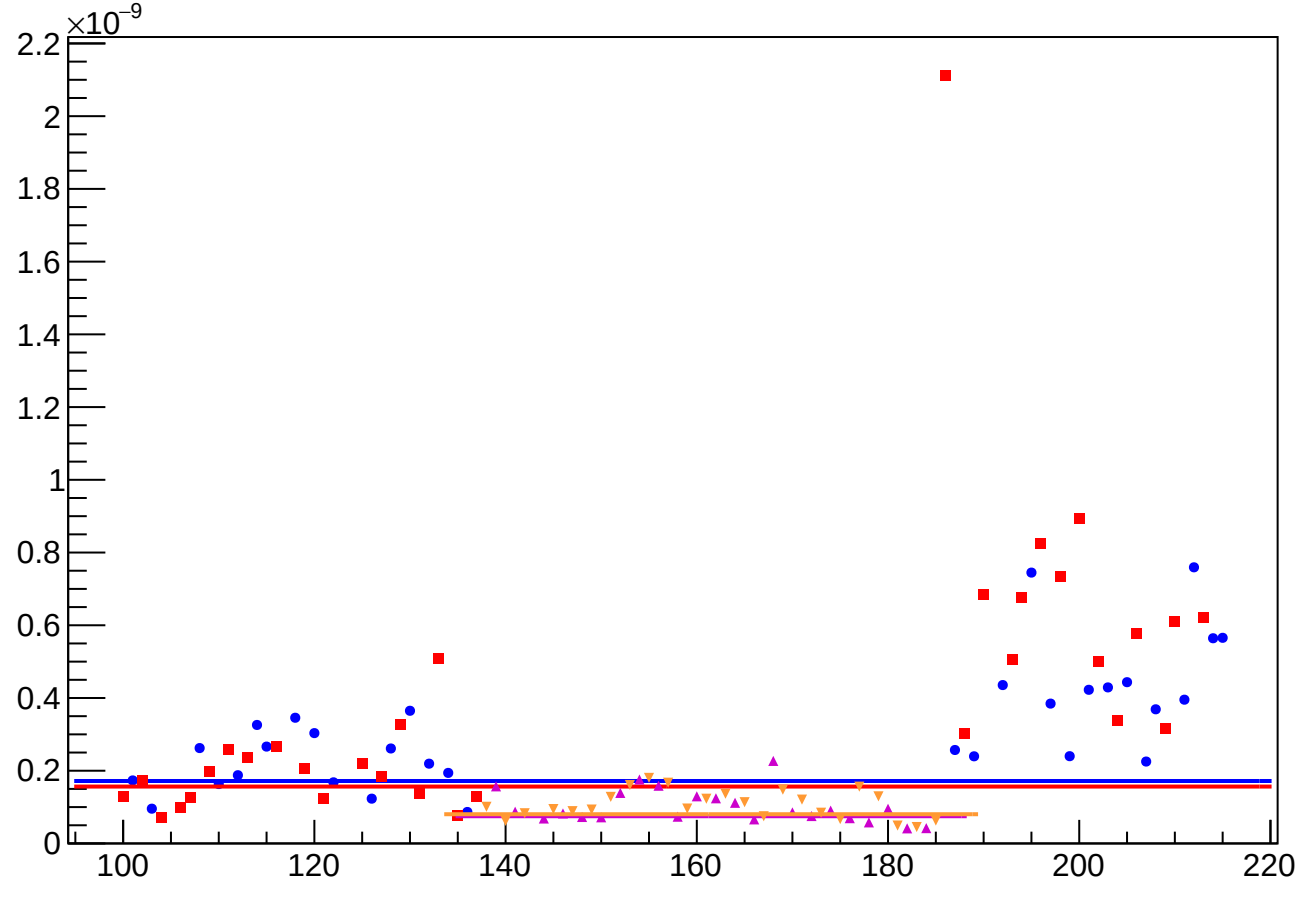
Right: -0.000+/-0.000 χ^2/NDF: 63.1/62

In: 0.000+/-0.000 χ^2/NDF:61.9/53

Out: 0.000+/-0.000 χ^2/NDF:46.2/55

All: 0.000+/-0.000 χ^2/NDF: 108.6/109

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: 6919947.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9530737.6/31

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

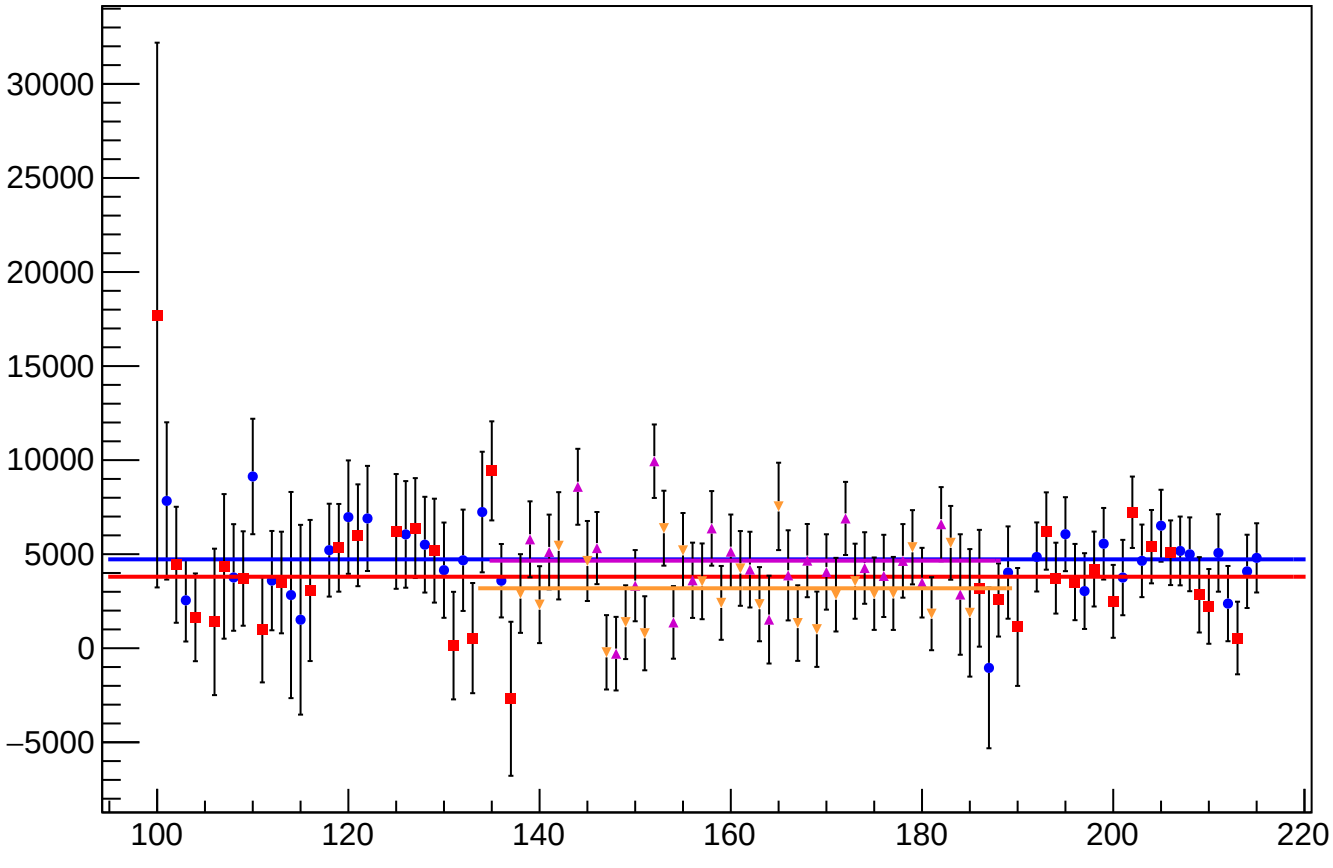
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 16511236.4/62

In: 0.000+/-0.000 χ^2/NDF:14719533.7/53

Out: 0.000+/-0.000 χ^2/NDF:15930637.7/55

All: 0.000+/-0.000 χ^2/NDF: 30690317.6/109



Right In: 4725.359+/-417.368 χ^2/NDF: 12.9/30

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3800.933+/-427.760 χ^2/NDF: 27.4/31

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

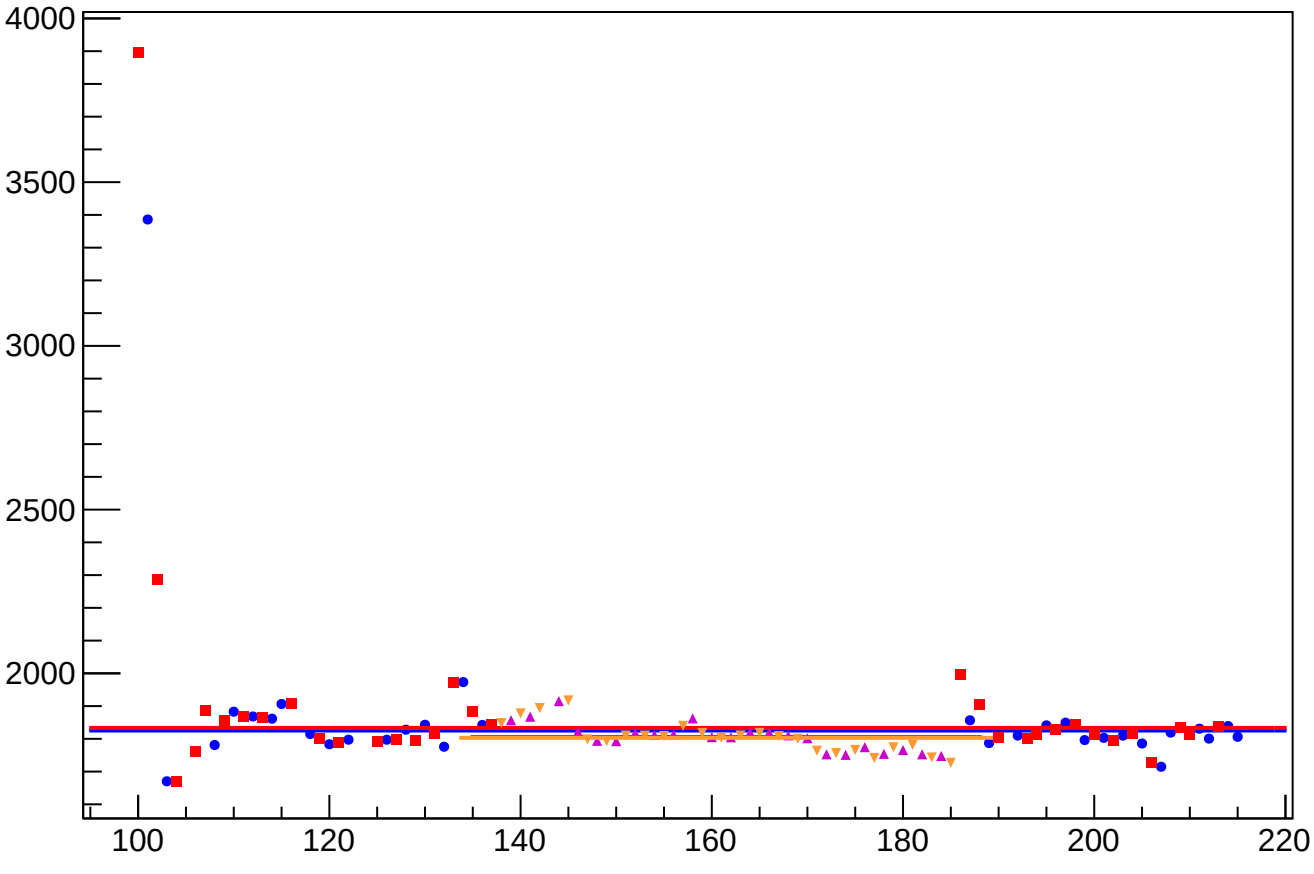
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4274.512+/-298.730 χ^2/NDF: 42.8/62

In: 4690.644+/-296.641 χ^2/NDF:40.6/53

Out: 3487.400+/-299.188 χ^2/NDF:48.4/55

All: 4094.166+/-210.651 χ^2/NDF: 97.2/109



Right In: 1825.444+/-0.295 χ^2/NDF: 307928.9/30

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1833.328+/-0.302 χ^2/NDF: 121604.6/31

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

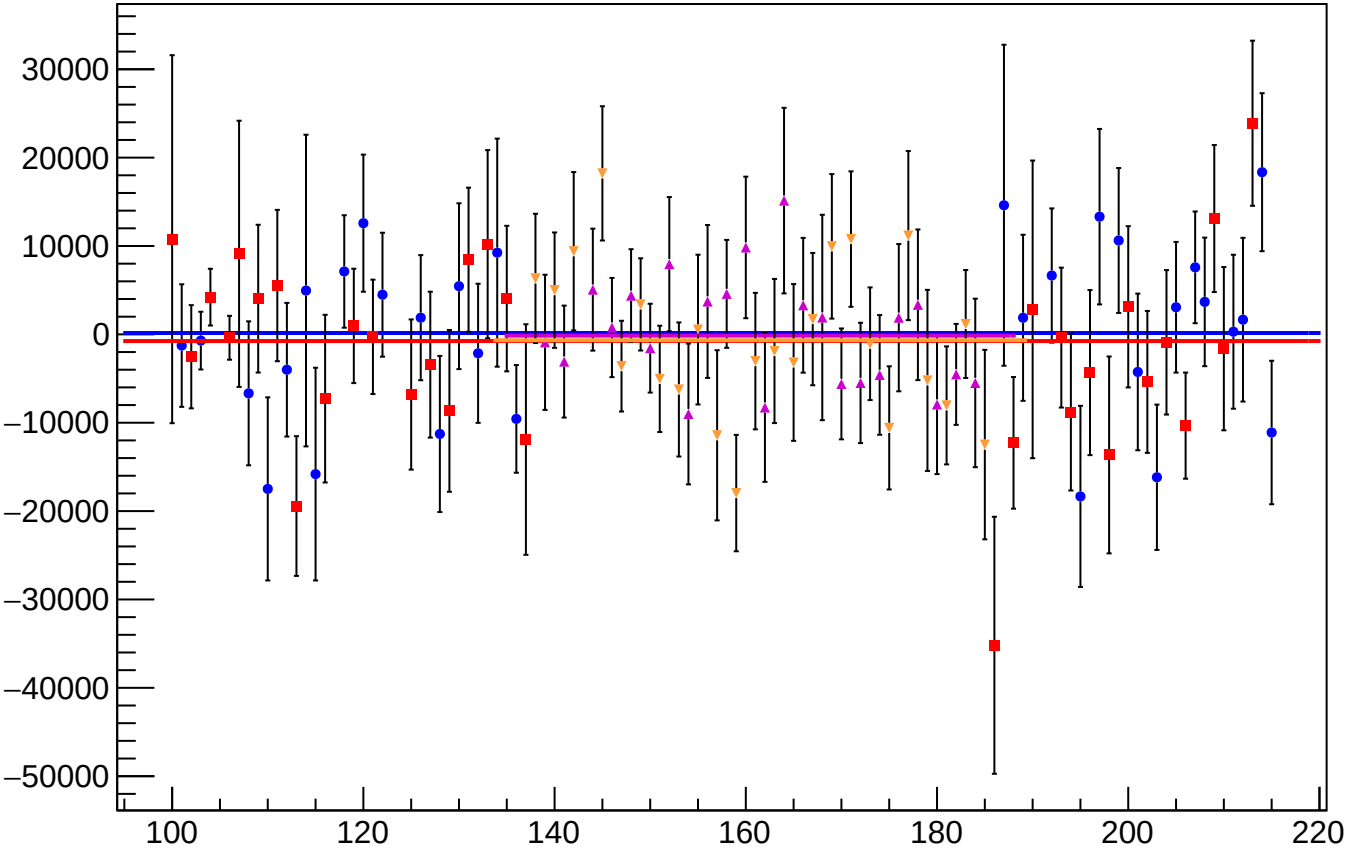
Right: 1829.293+/-0.211 χ^2/NDF: 429882.0/62

In: 1815.604+/-0.210 χ^2/NDF:329490.1/53

Out: 1817.912+/-0.211 χ^2/NDF:147348.2/55

All: 1816.749+/-0.149 χ^2/NDF: 476898.4/109

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 153.477+/-1373.885 χ^2/NDF: 35.3/30

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -755.157+/-1225.772 χ^2/NDF: 38.1/31

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

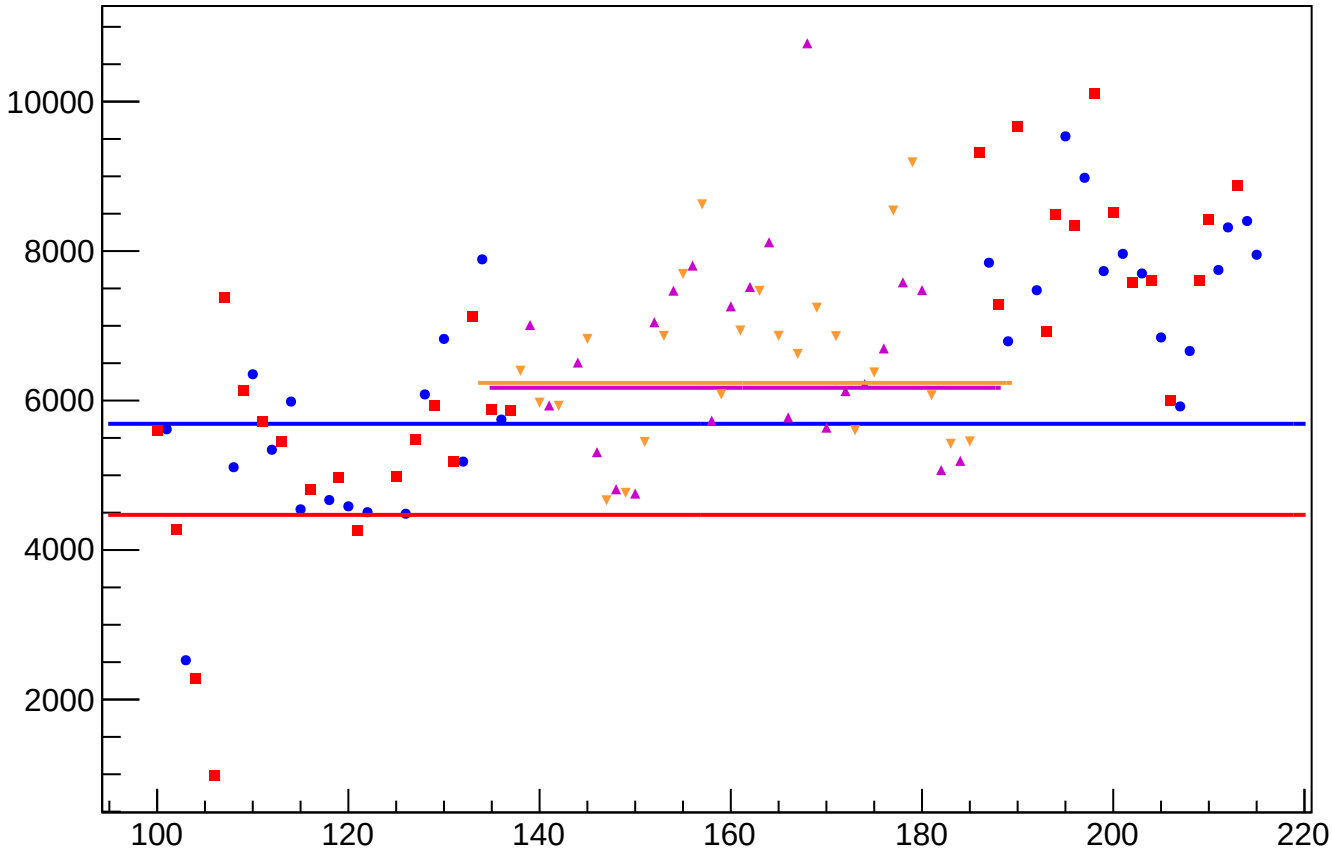
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

Right: -352.441+/-914.651 χ^2/NDF: 73.7/62

In: 15.182+/-1004.180 χ^2/NDF:48.9/53

Out: -719.354+/-943.720 χ^2/NDF:67.9/55

All: -374.863+/-687.692 χ^2/NDF: 117.1/109



Right In: 5688.964+/-0.971 χ^2/NDF: 3965055.0/30

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4470.556+/-0.867 χ^2/NDF: 9814287.0/31

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

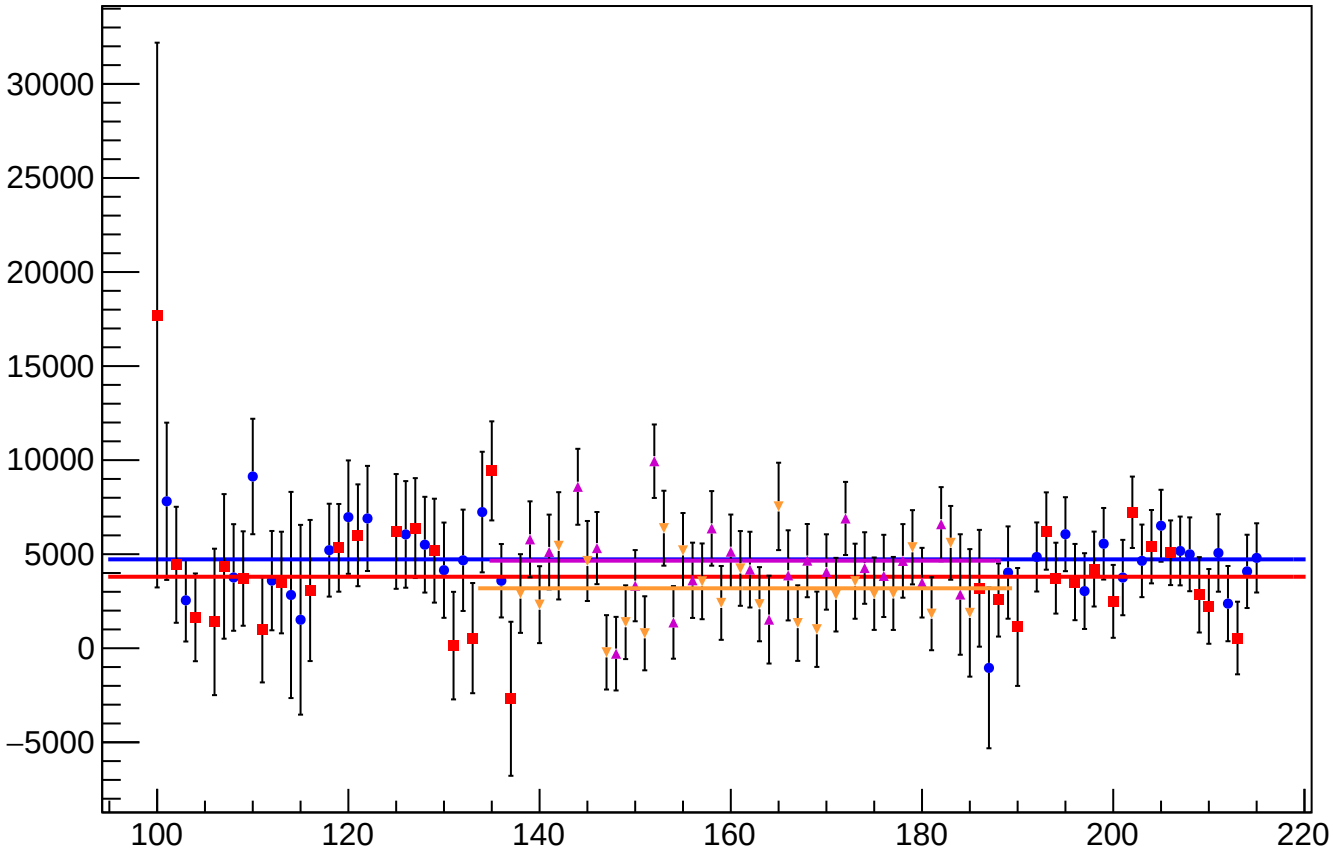
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 5010.567+/-0.647 χ^2/NDF: 14655145.2/62

In: 5913.388+/-0.710 χ^2/NDF:5317184.6/53

Out: 5189.804+/-0.667 χ^2/NDF:12572775.9/55

All: 5529.159+/-0.486 χ^2/NDF: 18441387.2/



Right In: 4725.173+/-417.368 χ^2/NDF: 12.9/30

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3800.862+/-427.760 χ^2/NDF: 27.4/31

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

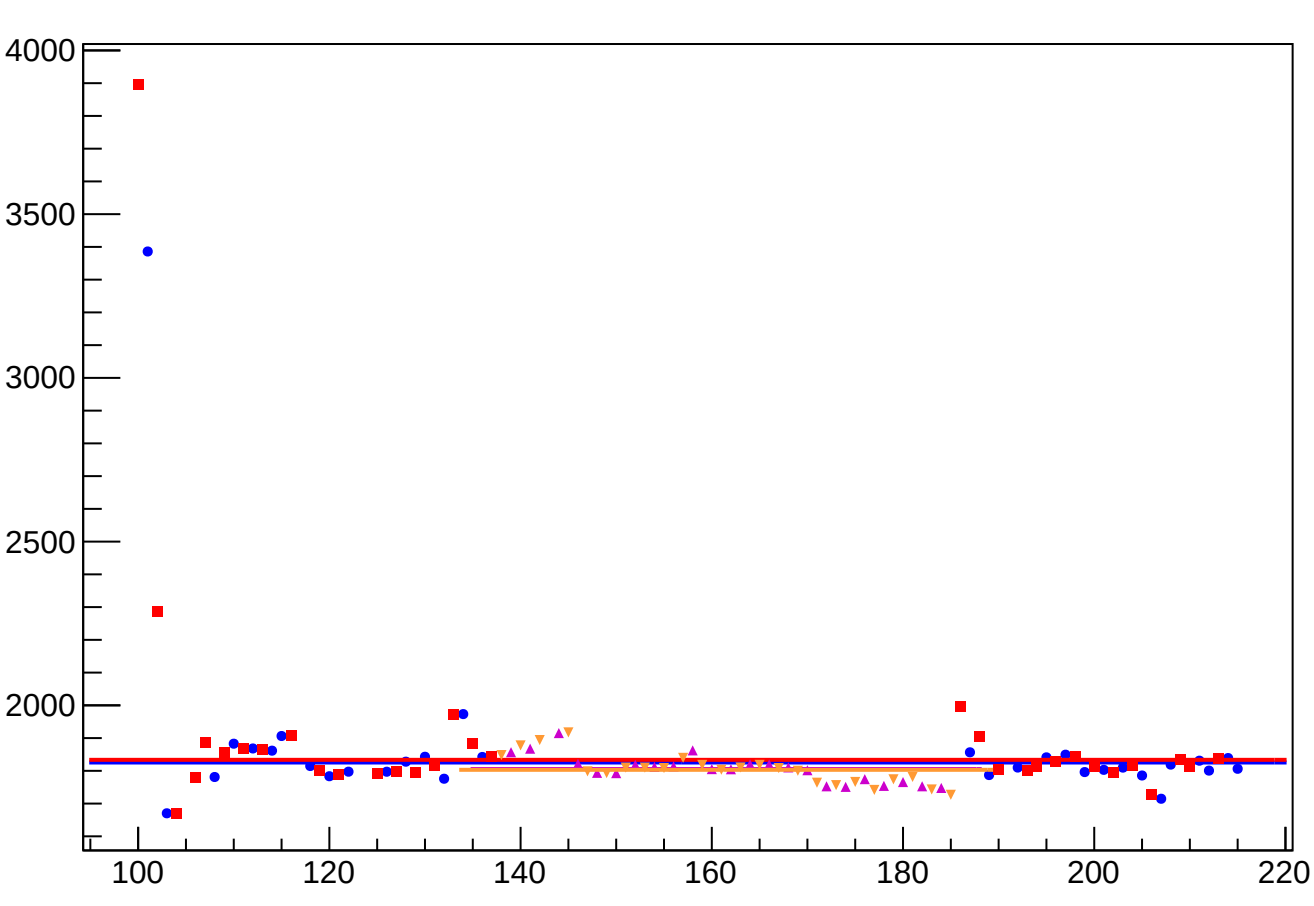
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4274.382+/-298.730 χ^2/NDF: 42.7/62

In: 4690.560+/-296.641 χ^2/NDF:40.6/53

Out: 3487.330+/-299.188 χ^2/NDF:48.4/55

All: 4094.089+/-210.651 χ^2/NDF: 97.1/109



Right In: 1825.444+/-0.295 χ^2/NDF: 307930.8/30

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1833.591+/-0.302 χ^2/NDF: 121252.8/31

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

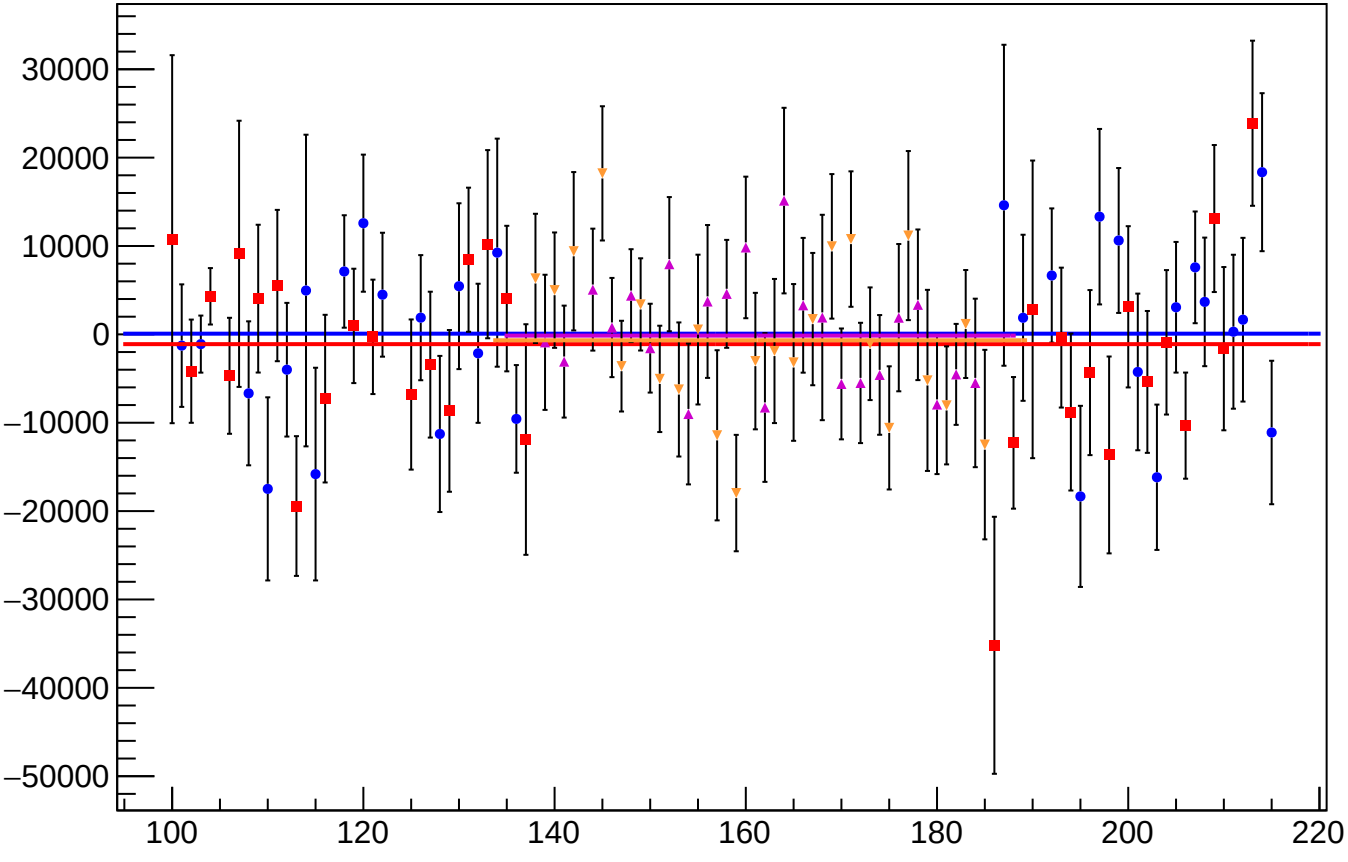
Right: 1829.421+/-0.211 χ^2/NDF: 429555.7/62

In: 1815.604+/-0.210 χ^2/NDF:329492.0/53

Out: 1818.039+/-0.211 χ^2/NDF:147084.9/55

All: 1816.812+/-0.149 χ^2/NDF: 476643.8/109

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 78.341+/-1370.900 χ^2/NDF: 35.3/30

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1106.257+/-1377.080 χ^2/NDF: 38.8/31

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

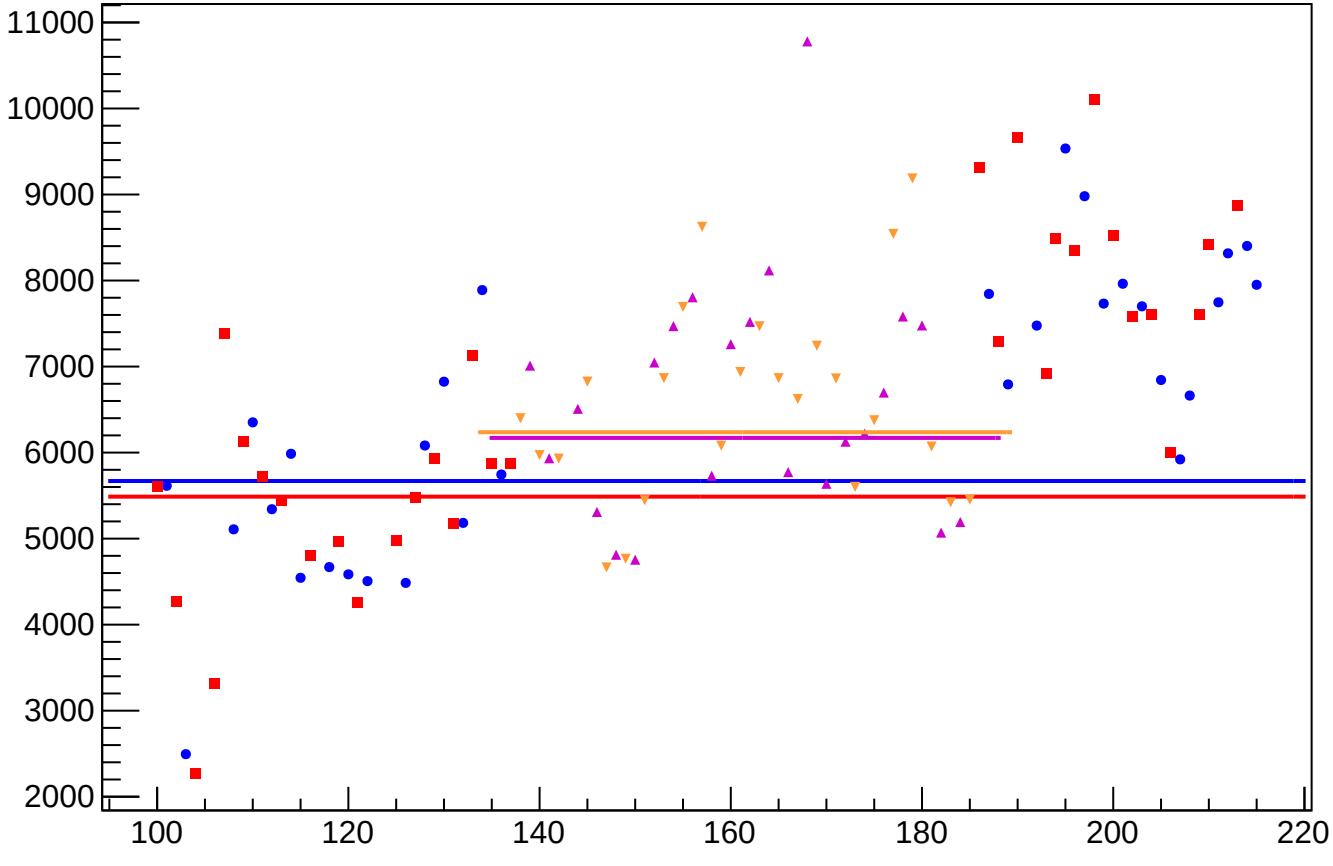
Right: -511.294+/-971.551 χ^2/NDF: 74.5/62

In: -24.686+/-1003.012 χ^2/NDF:48.9/53

Out: -902.368+/-1007.786 χ^2/NDF:68.6/55

All: -461.444+/-710.918 χ^2/NDF: 117.9/109

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5669.673+/-0.969 χ^2/NDF: 4048300.7/30

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5488.020+/-0.974 χ^2/NDF: 4848641.1/31

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

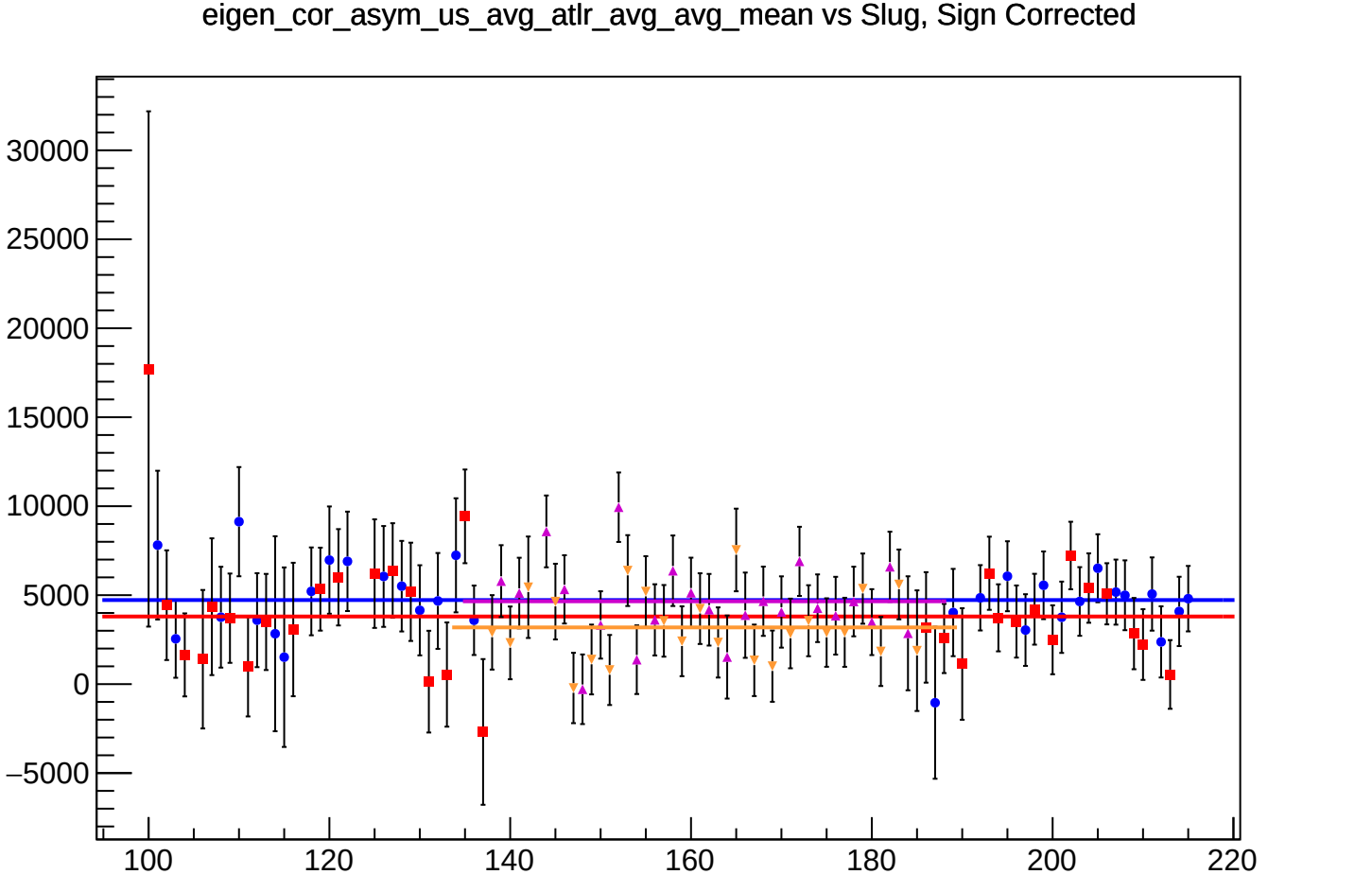
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5579.255+/-0.687 χ^2/NDF: 8914420.6/62

In: 5902.539+/-0.709 χ^2/NDF:5410048.5/53

Out: 5835.698+/-0.713 χ^2/NDF:6190809.4/55

All: 5869.277+/-0.503 χ^2/NDF: 11605277.8/1



Right In: 4725.173+/-417.368 χ^2/NDF: 12.9/30

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3800.862+/-427.760 χ^2/NDF: 27.4/31

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

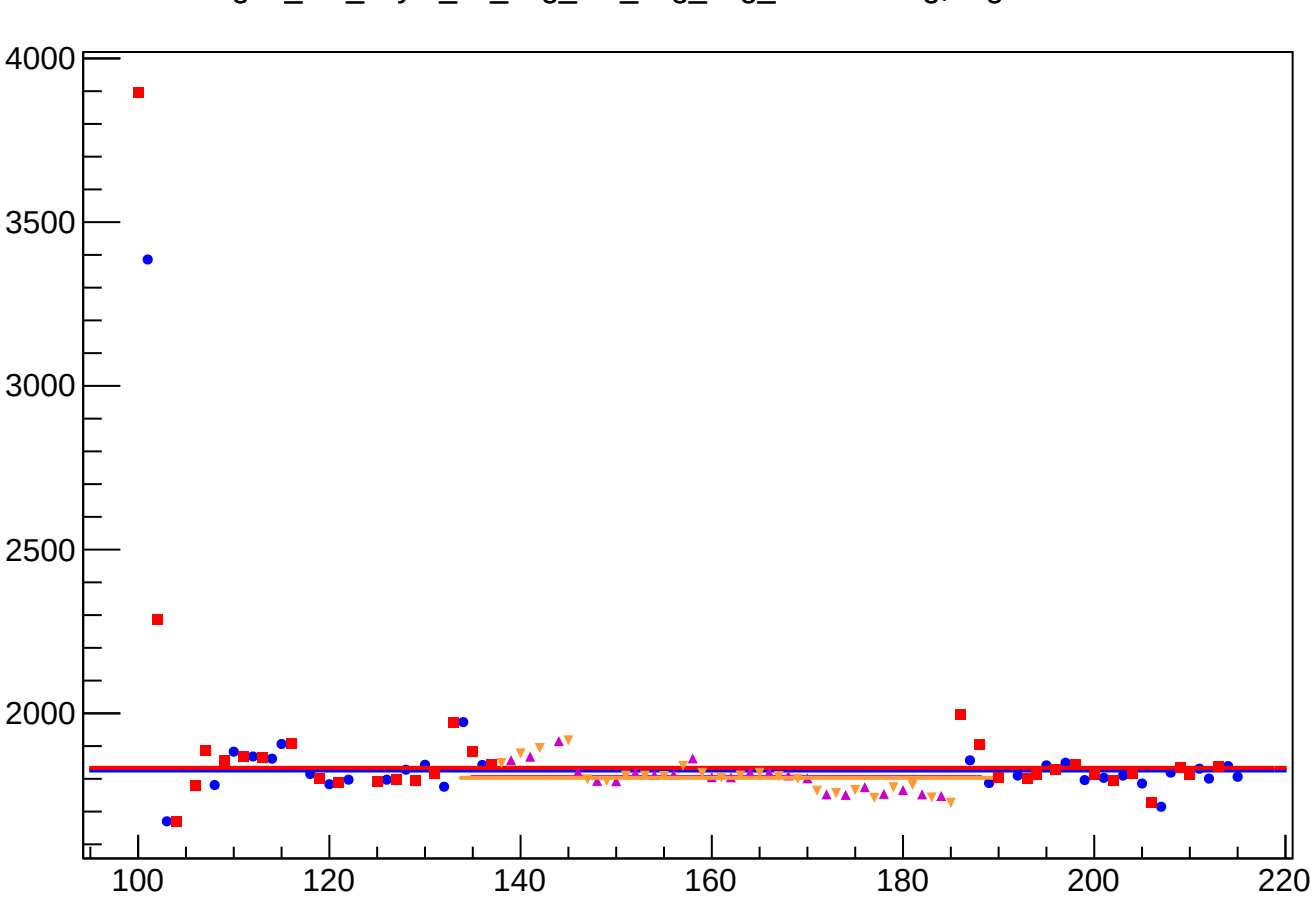
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

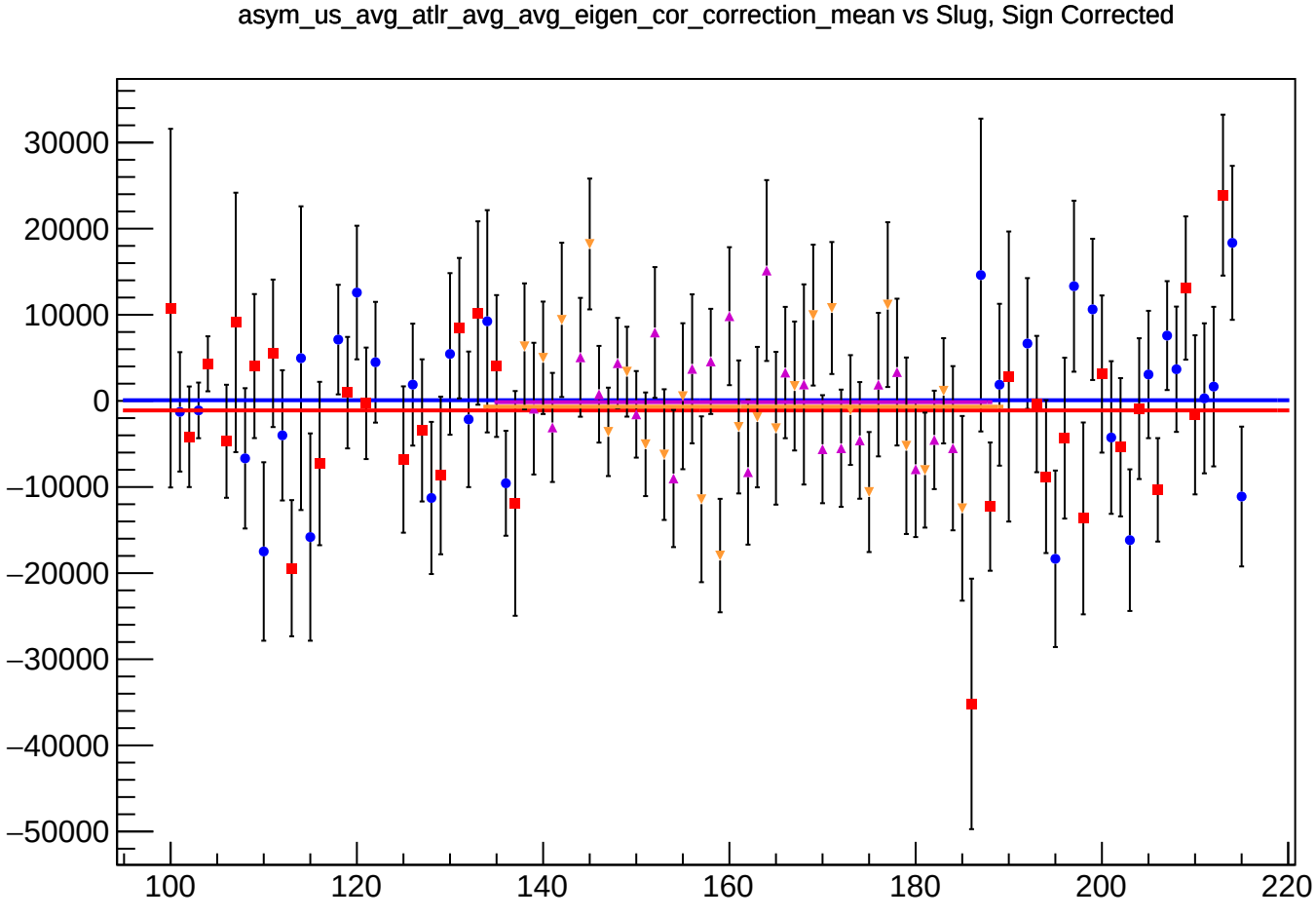
Right: 4274.382+/-298.730 χ^2/NDF: 42.7/62

In: 4690.560+/-296.641 χ^2/NDF:40.6/53

Out: 3487.330+/-299.188 χ^2/NDF:48.4/55

All: 4094.089+/-210.651 χ^2/NDF: 97.1/109


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
120
140
160
180
200
220
Right In: 1825.444+/-0.295 χ²/NDF: 307930.8/30
Left Out: 1803.115+/-0.296 χ²/NDF:20641.1/23
Right Out: 1833.591+/-0.302 χ²/NDF: 121252.8/31
Left In: 1805.559+/-0.298 χ²/NDF:19314.6/22
Left: 1804.328+/-0.210 χ²/NDF: 39989.6/46
Right: 1829.421+/-0.211 χ²/NDF: 429555.7/62
In: 1815.604+/-0.210 χ²/NDF:329492.0/53
Out: 1818.039+/-0.211 χ²/NDF:147084.9/55
All: 1816.812+/-0.149 χ²/NDF: 476643.8/109



Right In: 78.341+/-1370.900 χ^2/NDF: 35.3/30

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1106.257+/-1377.080 χ^2/NDF: 38.8/31

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

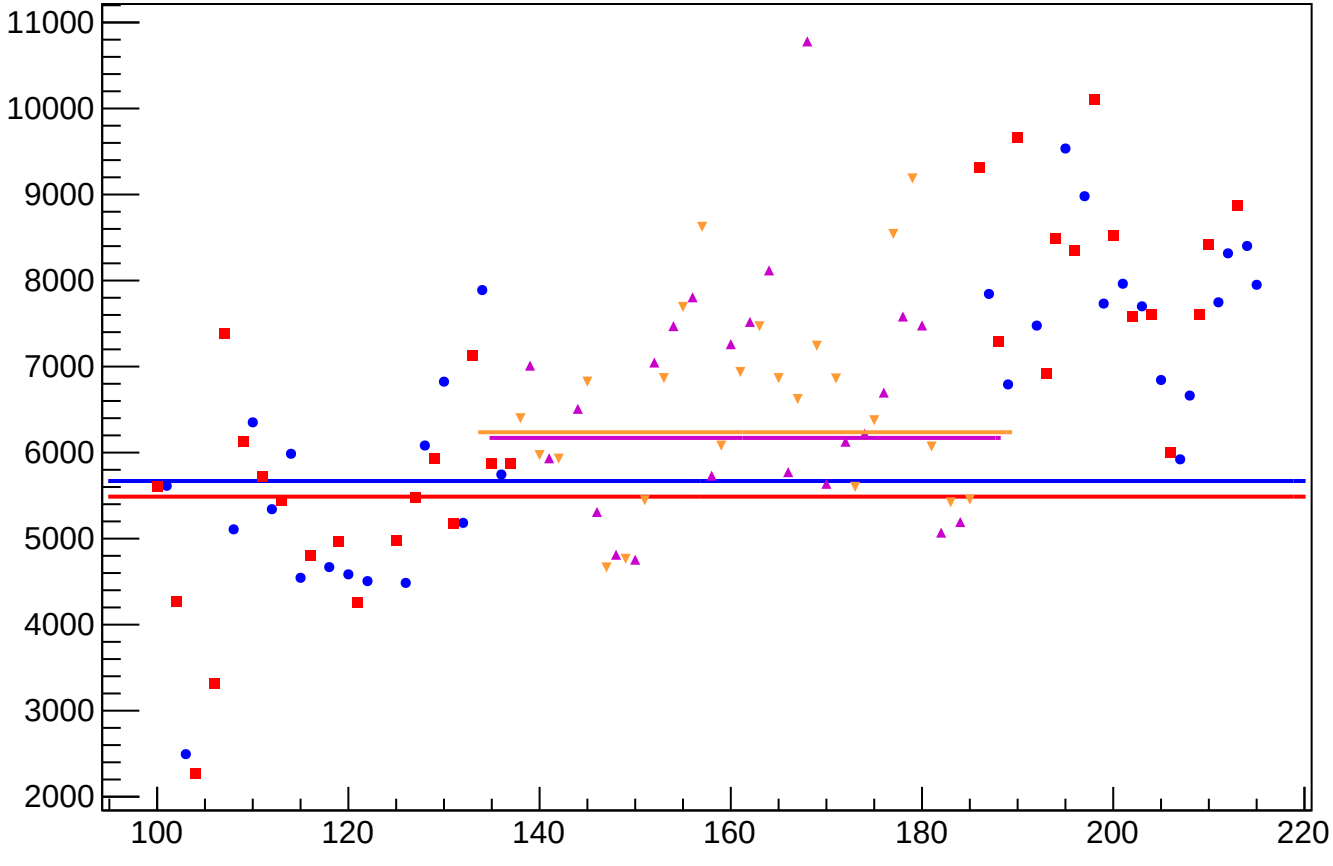
Right: -511.294+/-971.551 χ^2/NDF: 74.5/62

In: -24.686+/-1003.012 χ^2/NDF:48.9/53

Out: -902.368+/-1007.786 χ^2/NDF:68.6/55

All: -461.444+/-710.918 χ^2/NDF: 117.9/109

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5488.020+/-0.974 χ^2/NDF: 4848641.1/31

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

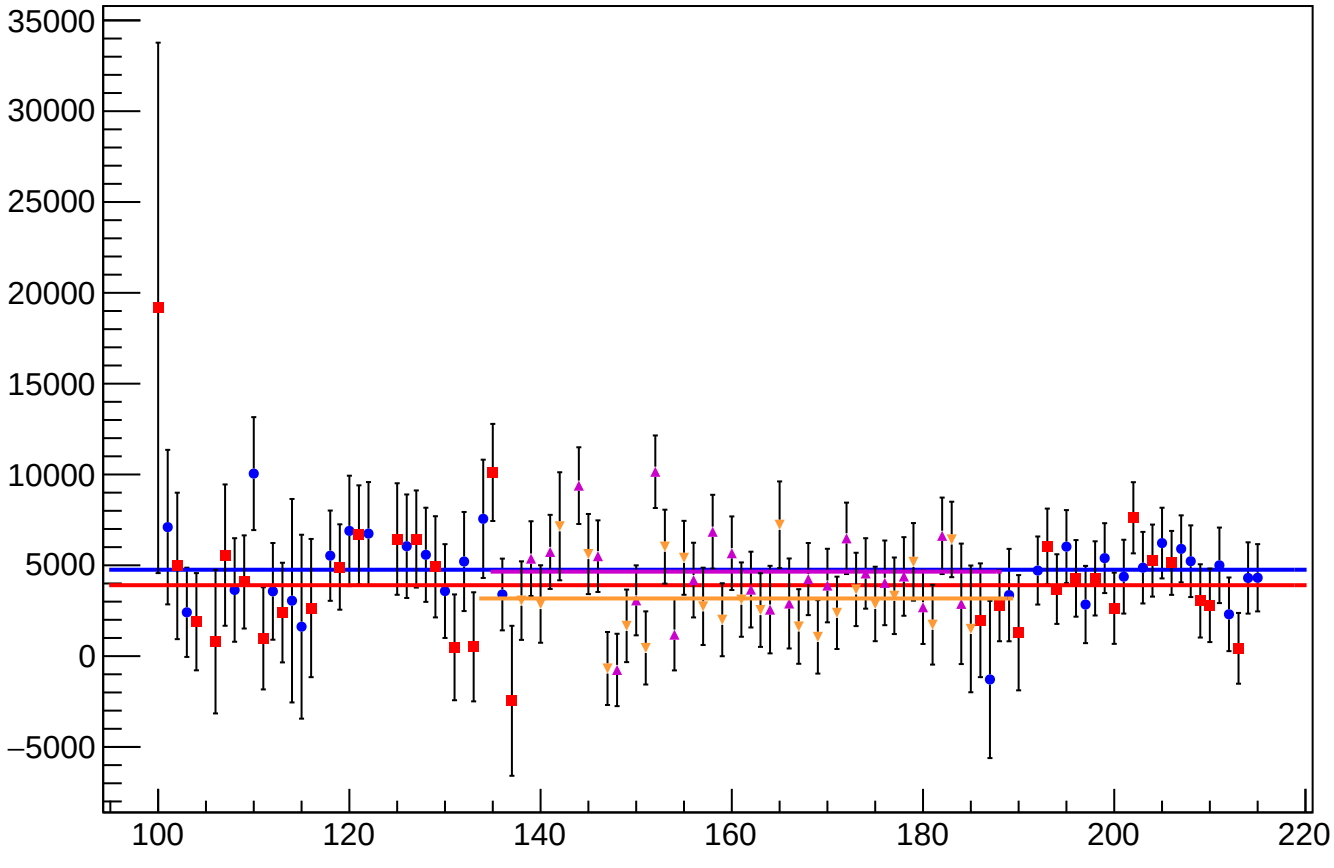
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5579.255+/-0.687 χ^2/NDF: 8914420.6/62

In: 5902.539+/-0.709 χ^2/NDF:5410048.5/53

Out: 5835.698+/-0.713 χ^2/NDF:6190809.4/55

All: 5869.277+/-0.503 χ^2/NDF: 11605277.8/1



Right In: 4756.269+/-425.133 χ^2/NDF: 14.0/30

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3905.058+/-437.867 χ^2/NDF: 28.5/31

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

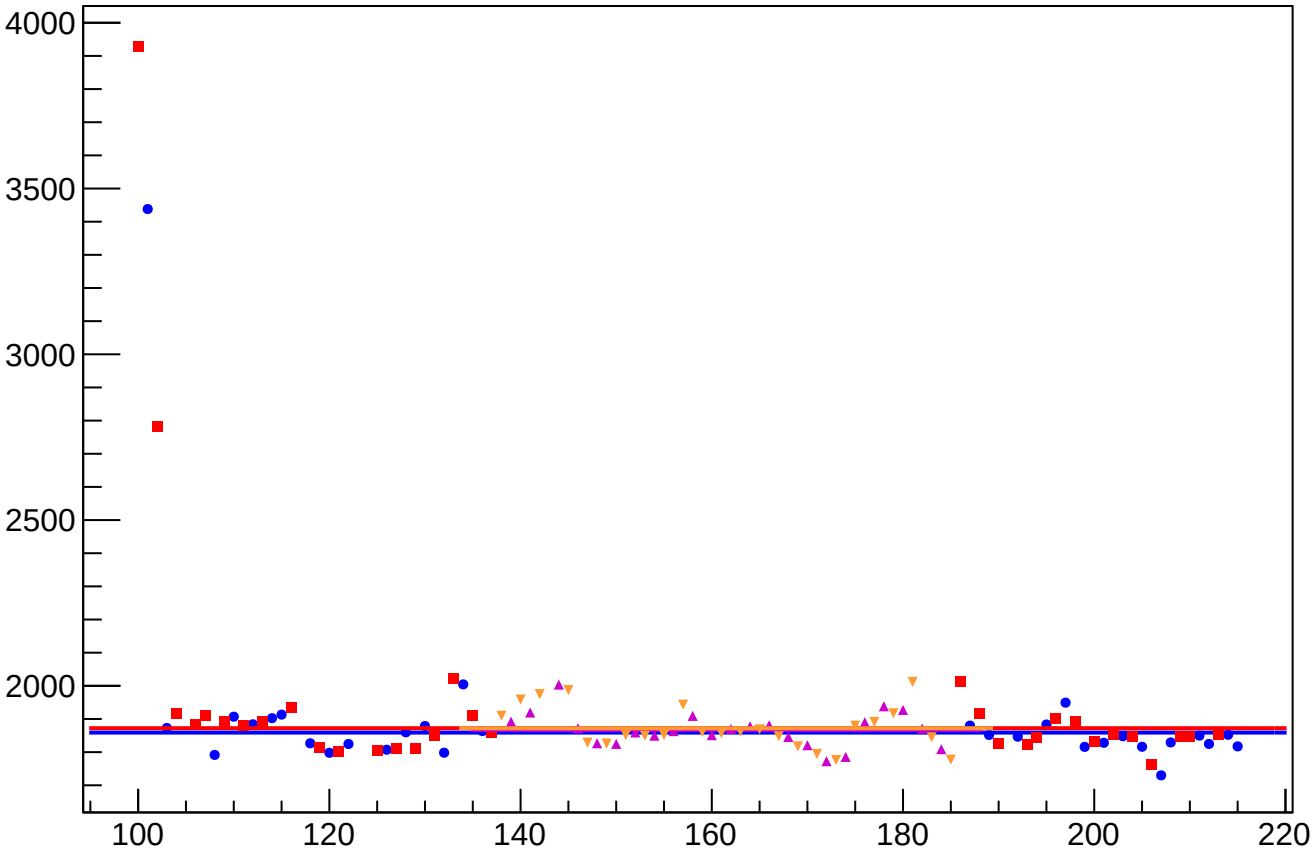
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4343.221+/-305.017 χ^2/NDF: 44.5/62

In: 4704.724+/-304.451 χ^2/NDF:44.6/53

Out: 3537.249+/-308.534 χ^2/NDF:51.5/55

All: 4128.762+/-216.709 χ^2/NDF: 103.3/109



Right In: 1859.002+/-0.301 χ^2/NDF: 303506.5/30

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1872.285+/-0.309 χ^2/NDF: 171436.0/31

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

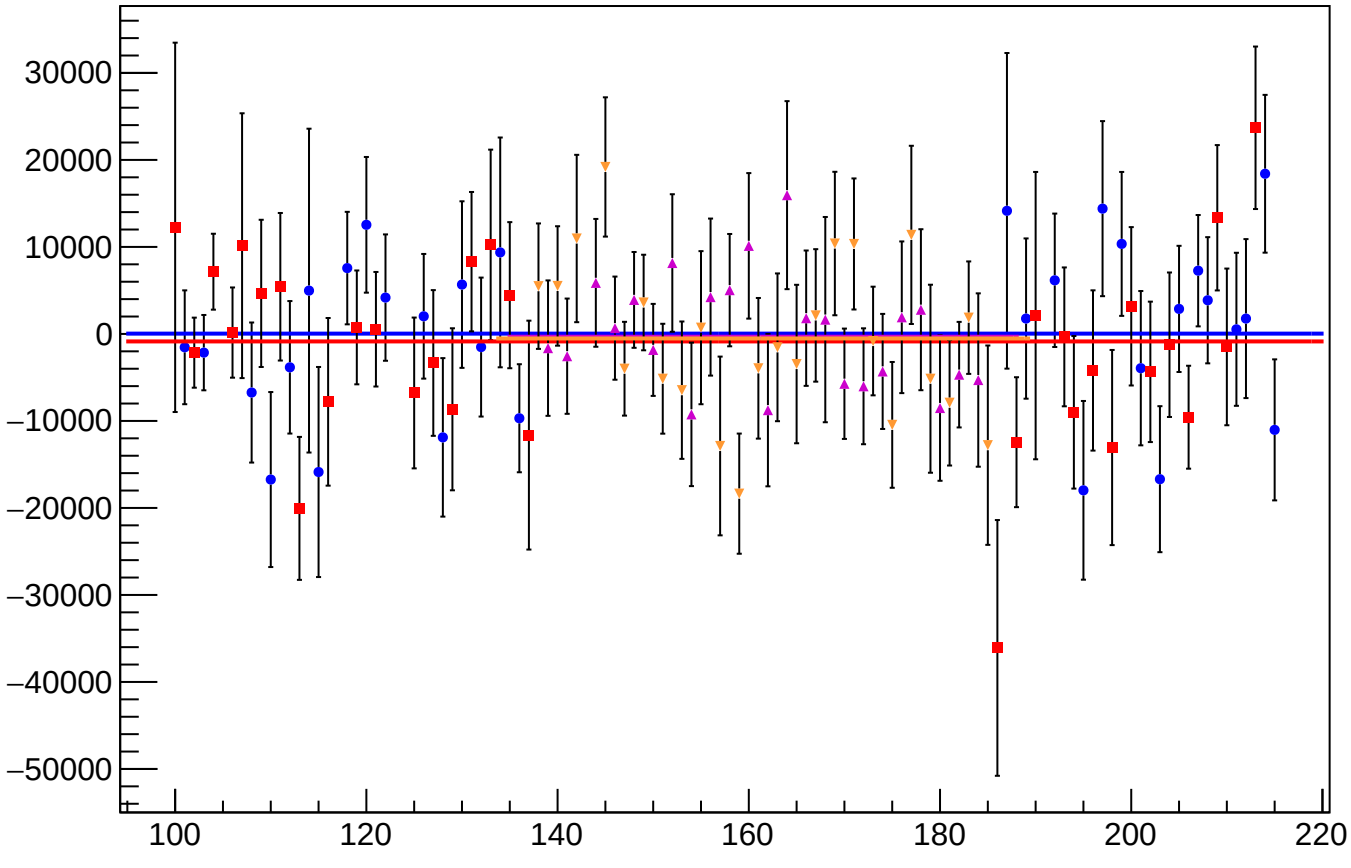
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1865.450+/-0.216 χ^2/NDF: 475890.2/62

In: 1862.937+/-0.215 χ^2/NDF:331104.8/53

Out: 1872.131+/-0.218 χ^2/NDF:208591.3/55

All: 1867.474+/-0.153 χ^2/NDF: 540596.2/109



Right In: 34.954+/-1434.929 χ^2/NDF: 35.1/30

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -861.489+/-1381.121 χ^2/NDF: 38.9/31

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

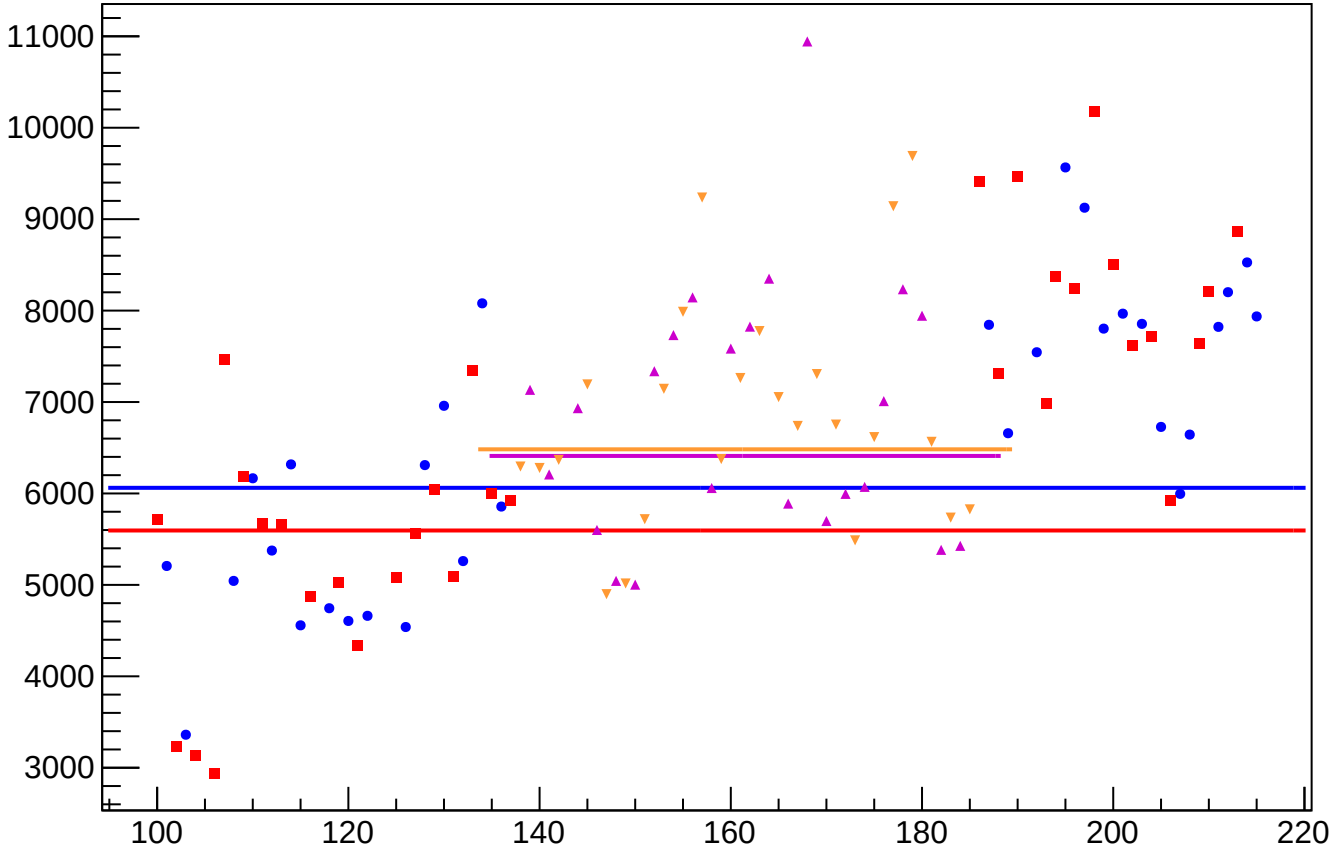
Right: -430.390+/-995.079 χ^2/NDF: 74.2/62

In: -133.552+/-1046.003 χ^2/NDF:48.5/53

Out: -709.028+/-1027.239 χ^2/NDF:68.1/55

All: -426.498+/-732.911 χ^2/NDF: 116.8/109

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 6061.650+/-1.015 χ^2/NDF: 2565378.7/30

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5594.968+/-0.977 χ^2/NDF: 4181664.4/31

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

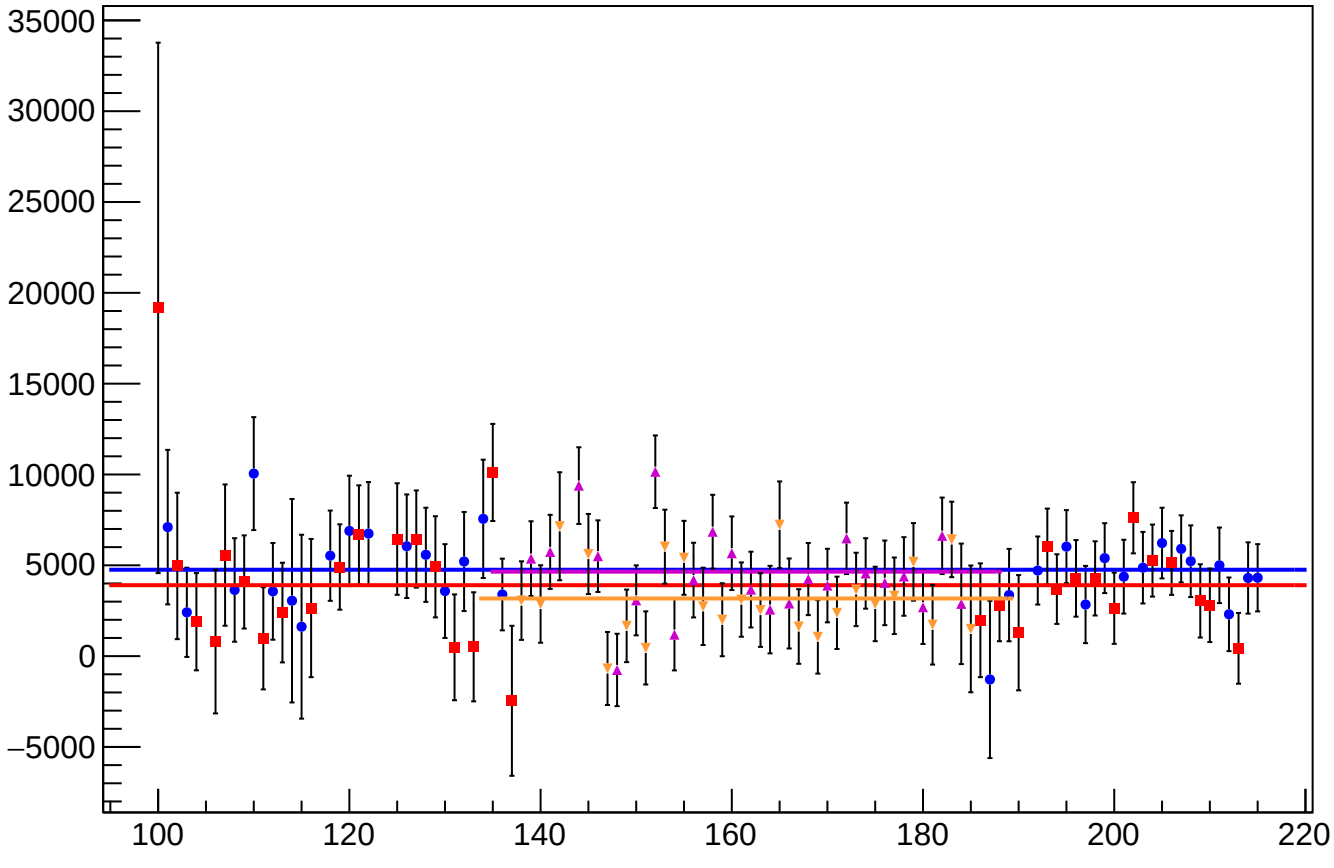
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5819.395+/-0.704 χ^2/NDF: 6856858.2/62

In: 6225.090+/-0.740 χ^2/NDF:3840577.6/53

Out: 5991.624+/-0.726 χ^2/NDF:5625461.3/55

All: 6106.244+/-0.518 χ^2/NDF: 9516758.5/10



Right In: 4756.266+/-425.133 χ^2/NDF: 14.0/30

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3905.055+/-437.867 χ^2/NDF: 28.5/31

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

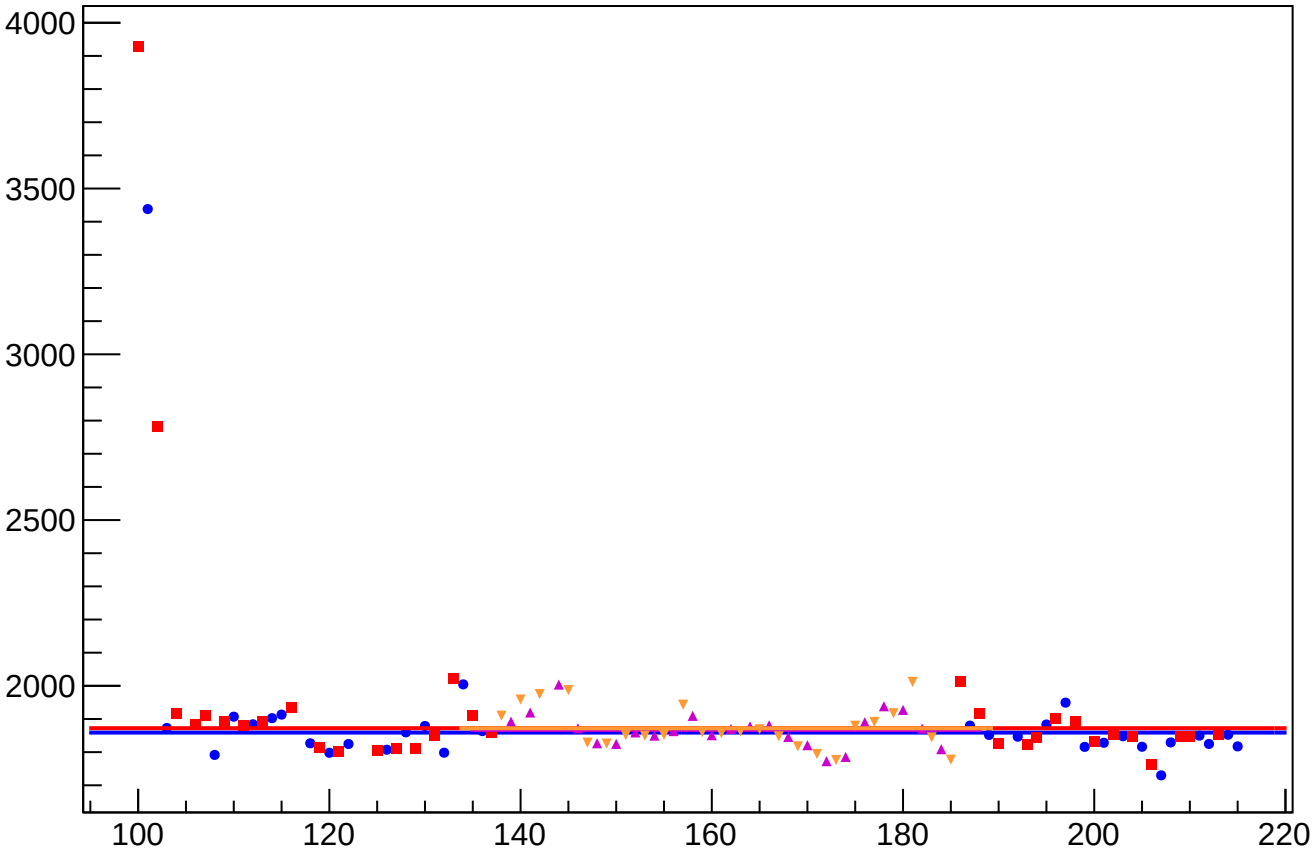
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4343.217+/-305.017 χ^2/NDF: 44.5/62

In: 4704.723+/-304.451 χ^2/NDF:44.6/53

Out: 3537.244+/-308.534 χ^2/NDF:51.5/55

All: 4128.759+/-216.709 χ^2/NDF: 103.3/109



Right In: 1859.002+/-0.301 χ^2/NDF: 303506.6/30

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1872.285+/-0.309 χ^2/NDF: 171435.1/31

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

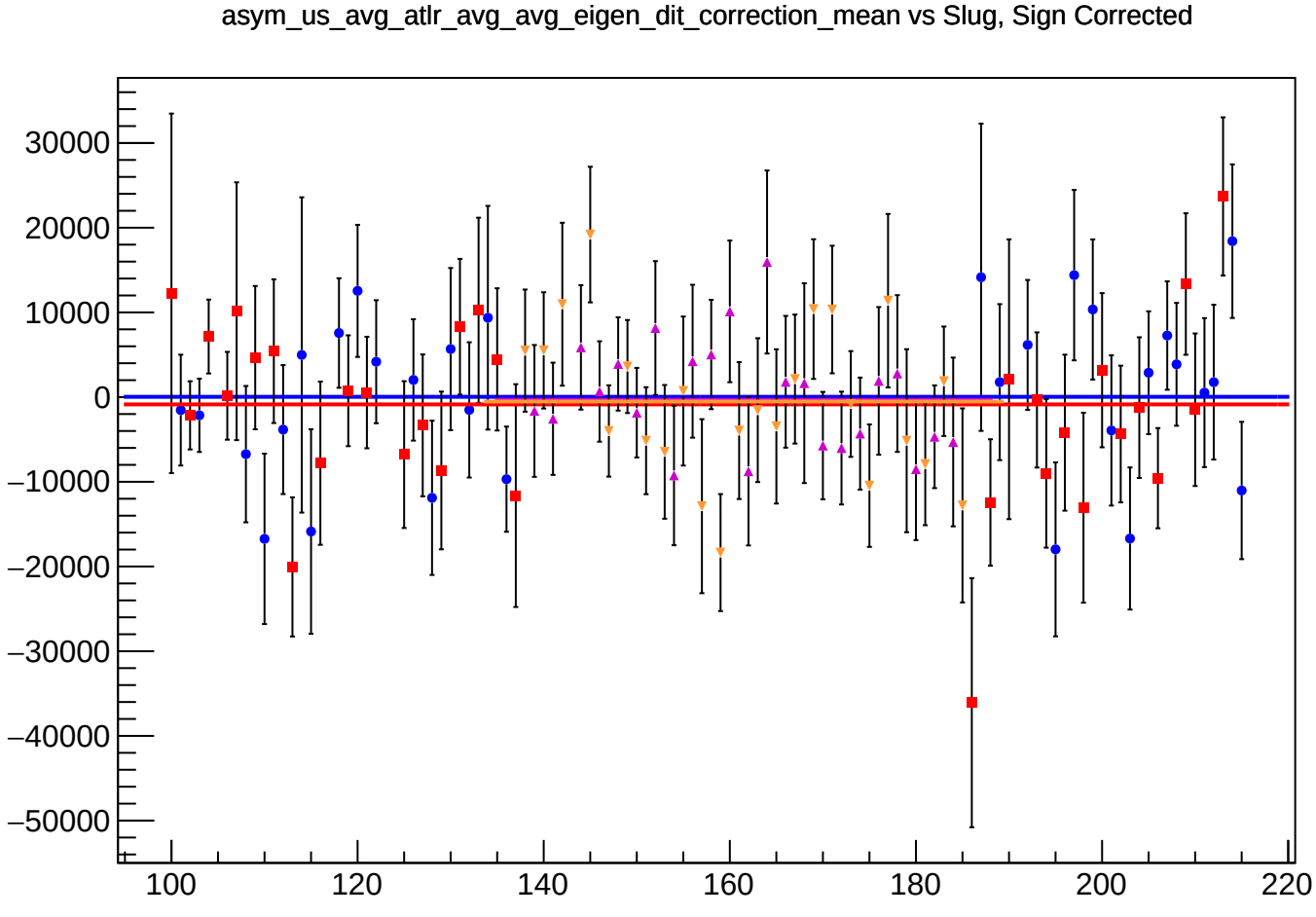
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1865.450+/-0.216 χ^2/NDF: 475889.4/62

In: 1862.937+/-0.215 χ^2/NDF:331106.2/53

Out: 1872.132+/-0.218 χ^2/NDF:208591.4/55

All: 1867.474+/-0.153 χ^2/NDF: 540597.7/109



Right In: 34.955+/-1434.928 χ^2/NDF: 35.1/30

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -861.483+/-1381.119 χ^2/NDF: 38.9/31

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

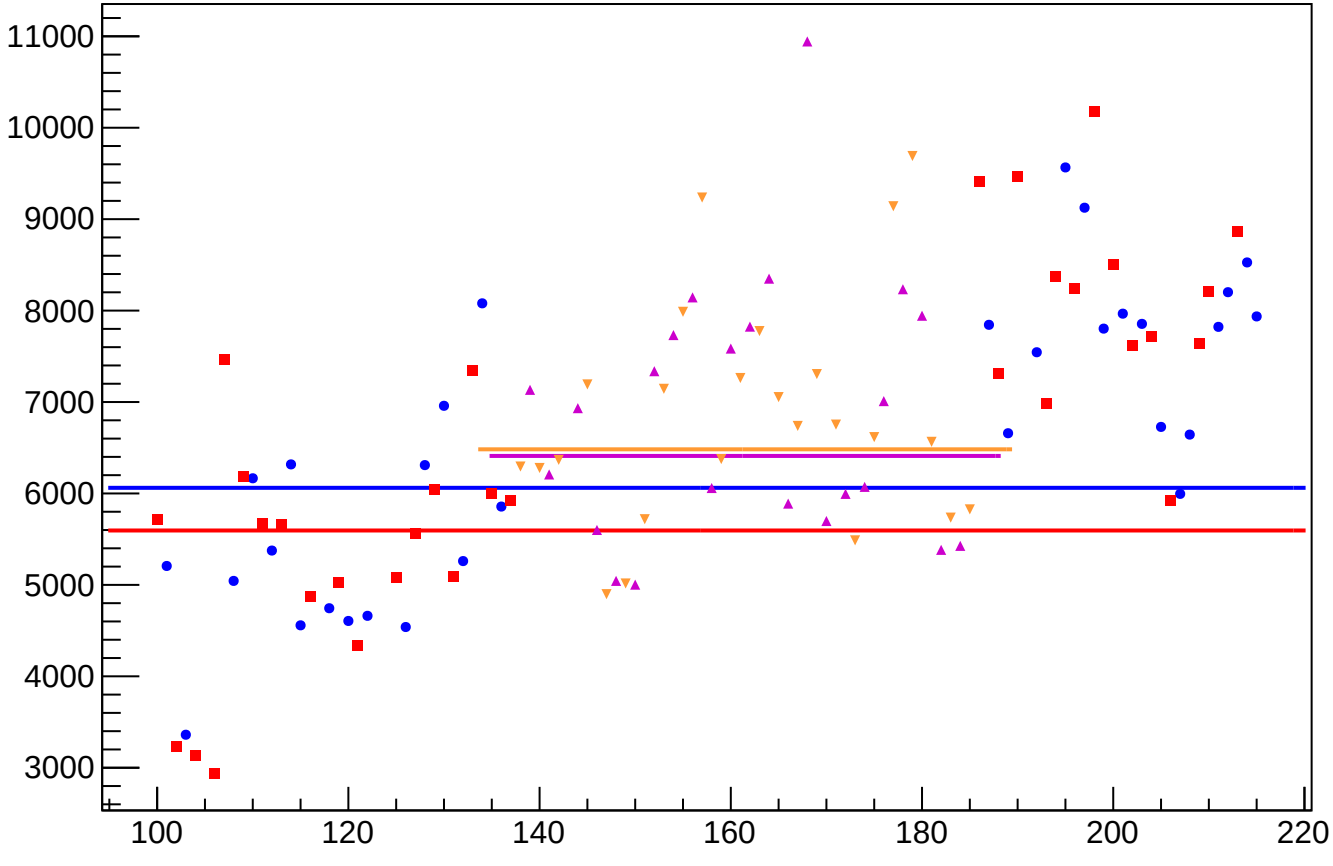
Right: -430.387+/-995.078 χ^2/NDF: 74.2/62

In: -133.552+/-1046.003 χ^2/NDF:48.5/53

Out: -709.028+/-1027.239 χ^2/NDF:68.1/55

All: -426.498+/-732.912 χ^2/NDF: 116.8/109

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6061.643+/-1.015 χ^2/NDF: 2565413.2/30

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5594.959+/-0.977 χ^2/NDF: 4181697.8/31

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

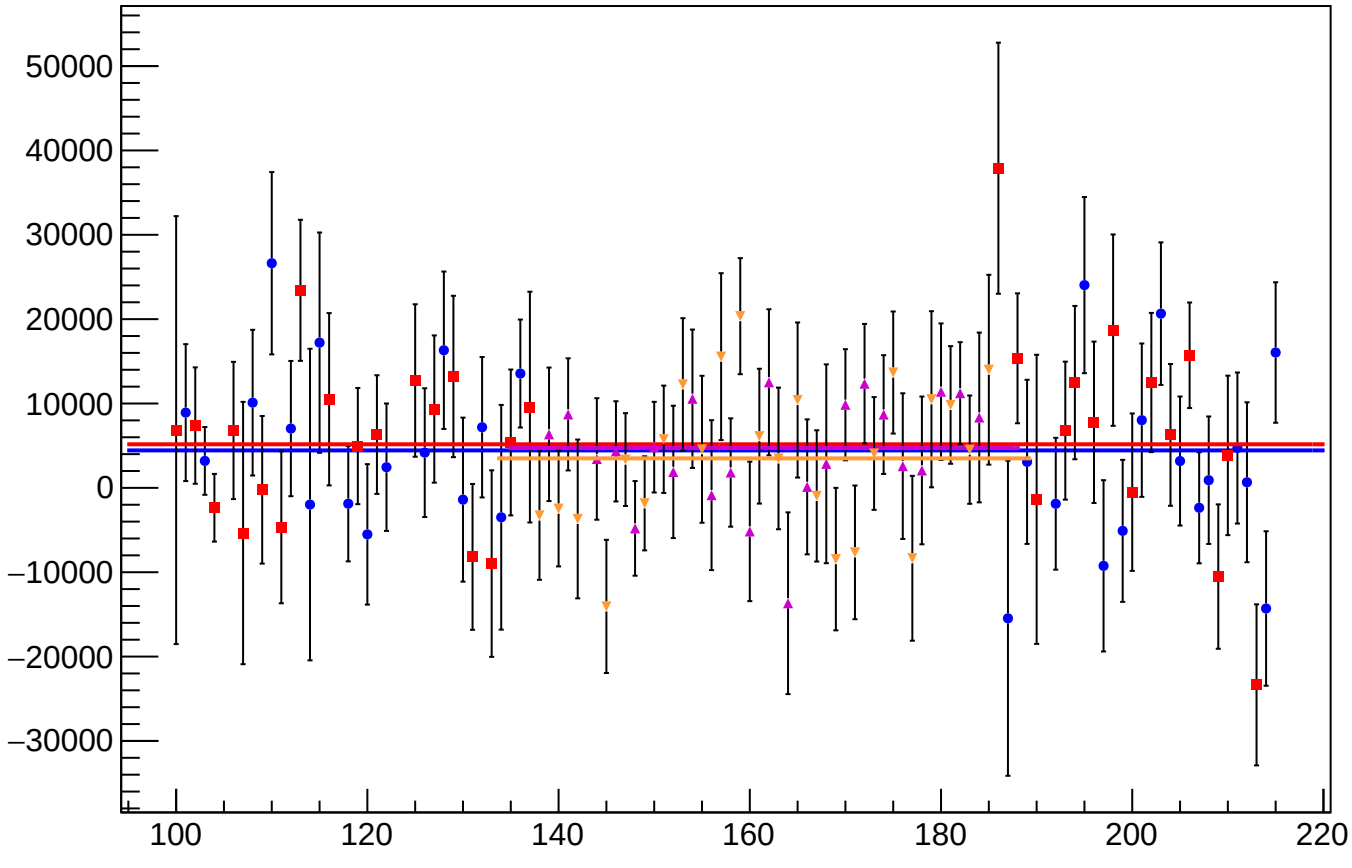
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5819.387+/-0.704 χ^2/NDF: 6856927.6/62

In: 6225.091+/-0.740 χ^2/NDF:3840620.5/53

Out: 5991.622+/-0.726 χ^2/NDF:5625513.6/55

All: 6106.244+/-0.518 χ^2/NDF: 9516854.6/10



Right In: 4441.587+/-1479.126 χ^2/NDF: 32.9/30

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5165.740+/-1501.853 χ^2/NDF: 41.8/31

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

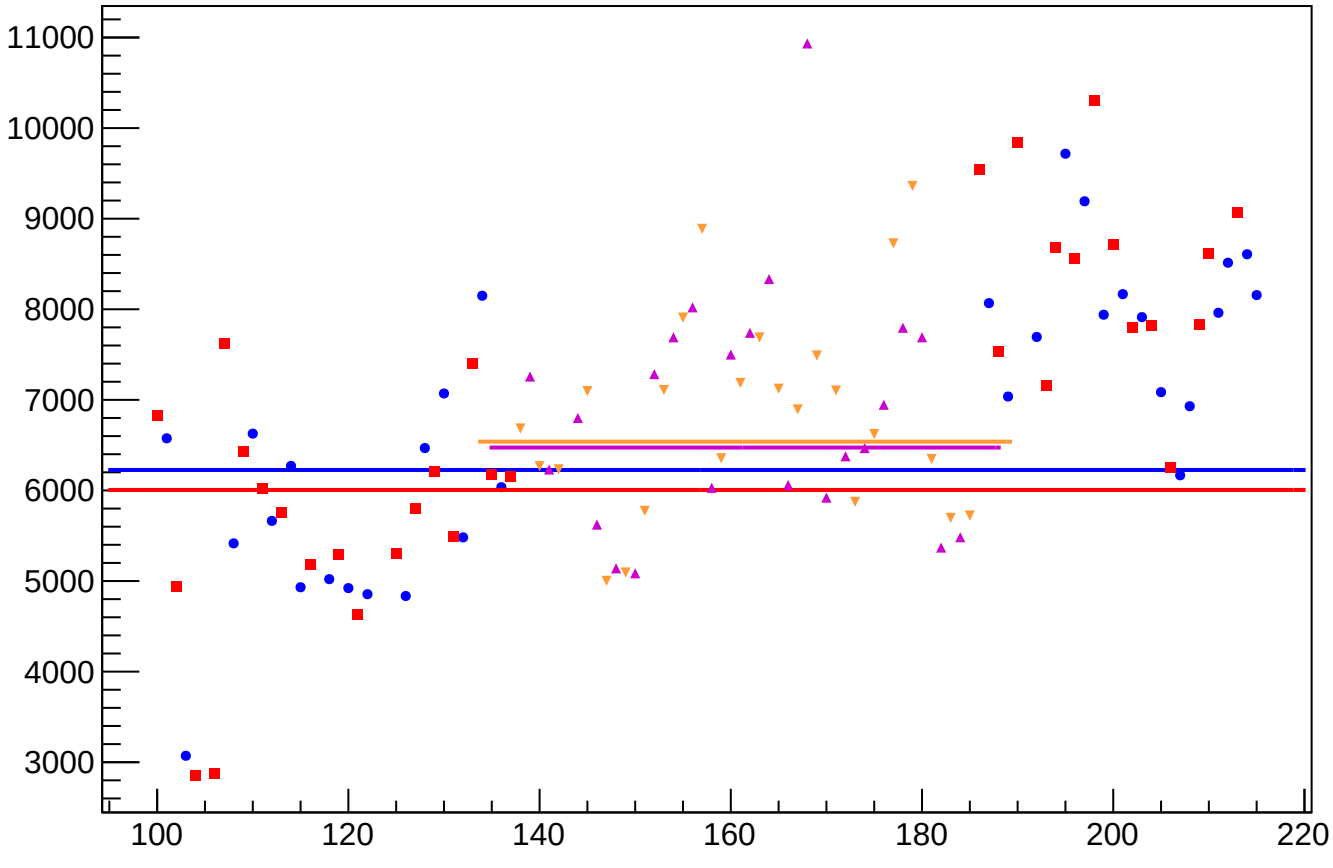
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 4798.143+/-1053.844 χ^2/NDF: 74.8/62

In: 4575.033+/-1066.498 χ^2/NDF:47.2/53

Out: 4355.528+/-1077.185 χ^2/NDF:69.8/55

All: 4466.375+/-757.878 χ^2/NDF: 117.1/109



Right In: 6226.010+/-1.046 χ^2/NDF: 2835121.4/30

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 6005.444+/-1.049 χ^2/NDF: 3737264.2/31

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

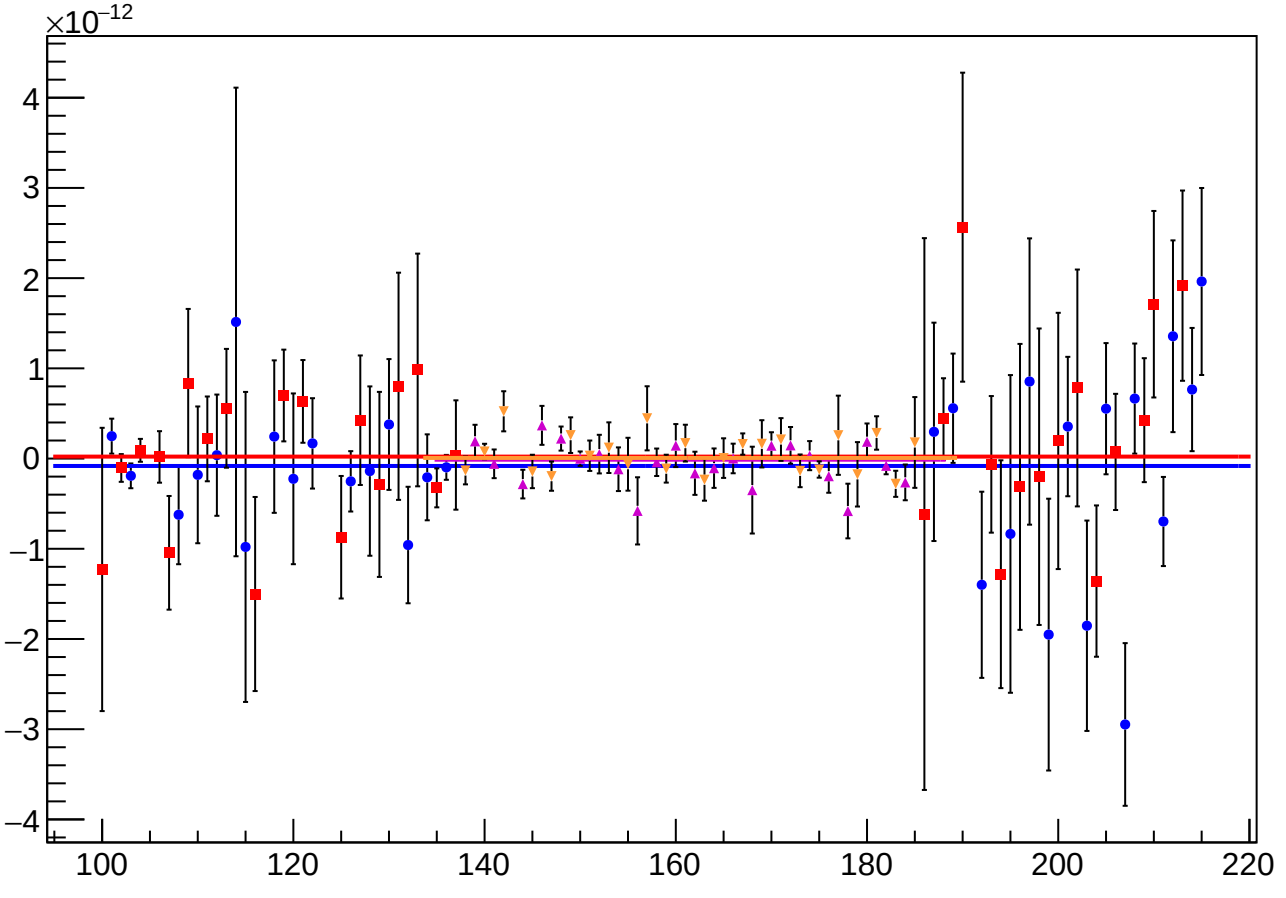
Right: 6116.027+/-0.741 χ^2/NDF: 6594562.0/62

In: 6344.823+/-0.754 χ^2/NDF:3933757.7/53

Out: 6261.042+/-0.757 χ^2/NDF:4781802.3/55

All: 6303.078+/-0.534 χ^2/NDF: 8721709.9/10

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 36.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/31

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

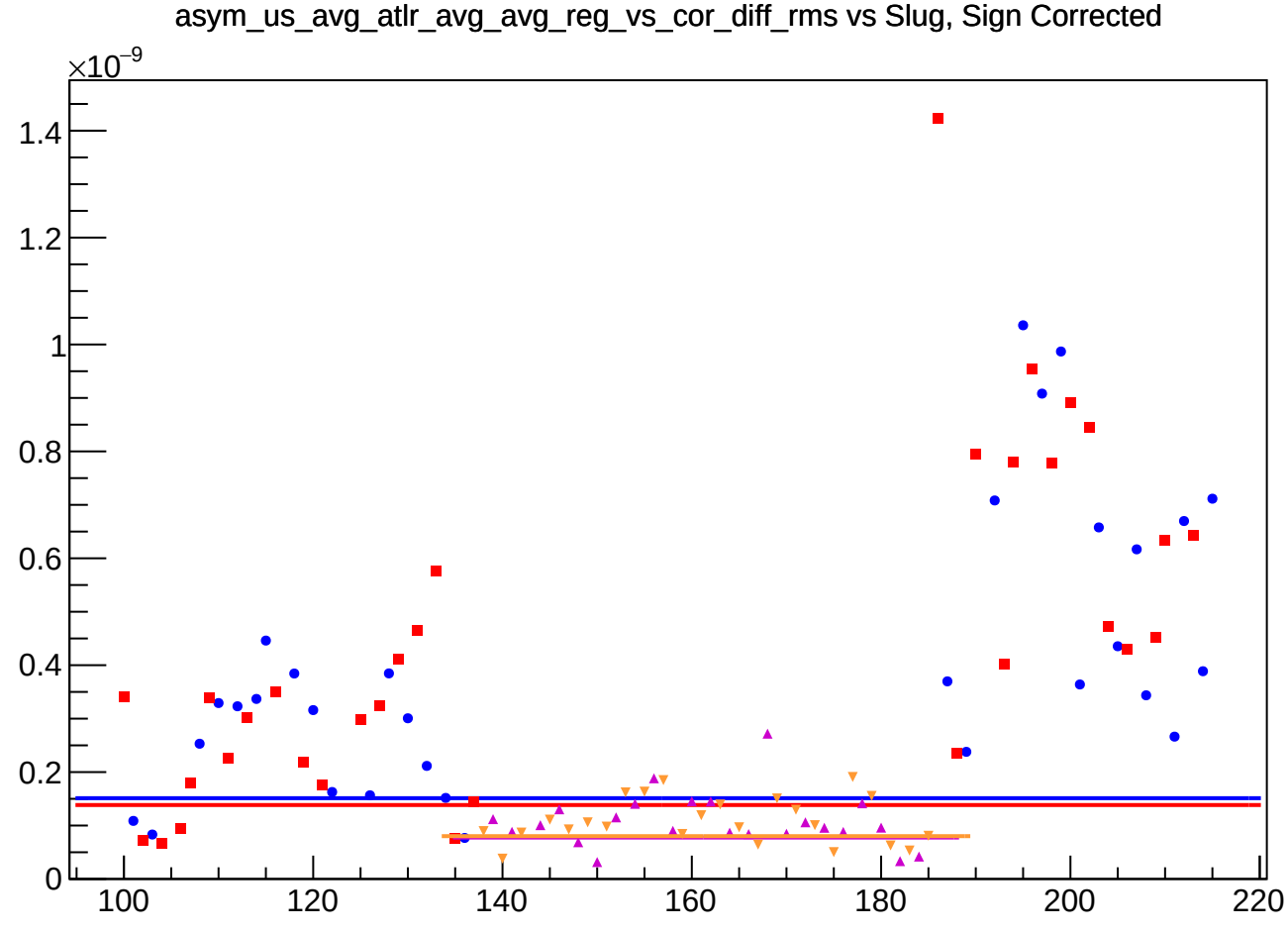
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 69.0/62

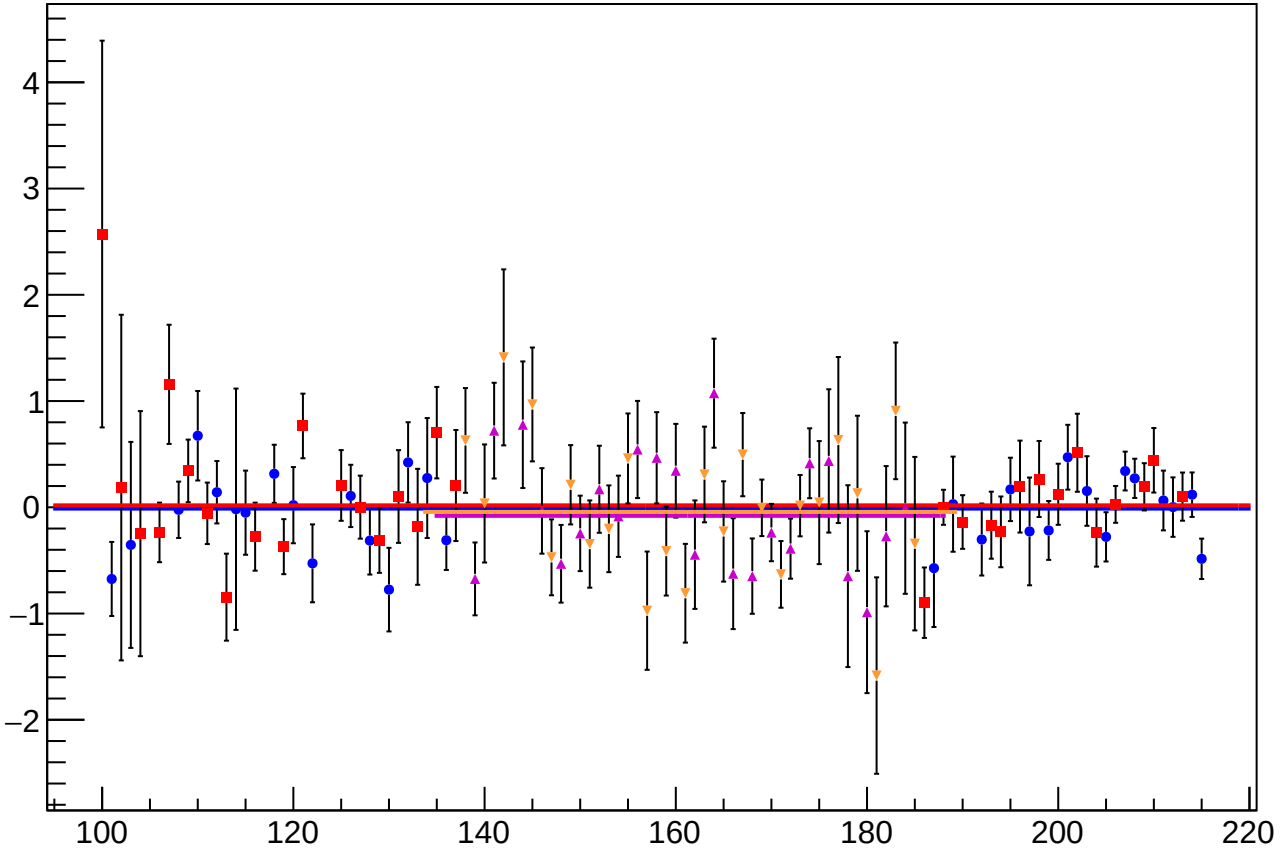
In: -0.000+/-0.000 χ^2/NDF:61.6/53

Out: 0.000+/-0.000 χ^2/NDF:58.2/55

All: -0.000+/-0.000 χ^2/NDF: 120.5/109


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7230171.5/30
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 8022412.0/31
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
Left: 0.000+/-0.000 χ²/NDF: 4801129.7/46
Right: 0.000+/-0.000 χ²/NDF: 15282978.4/62
In: 0.000+/-0.000 χ²/NDF:11532019.4/53
Out: 0.000+/-0.000 χ²/NDF:11201144.0/55
All: 0.000+/-0.000 χ²/NDF: 22733163.7/109

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.054 χ^2/NDF: 37.3/30

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.018+/-0.054 χ^2/NDF: 41.0/31

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

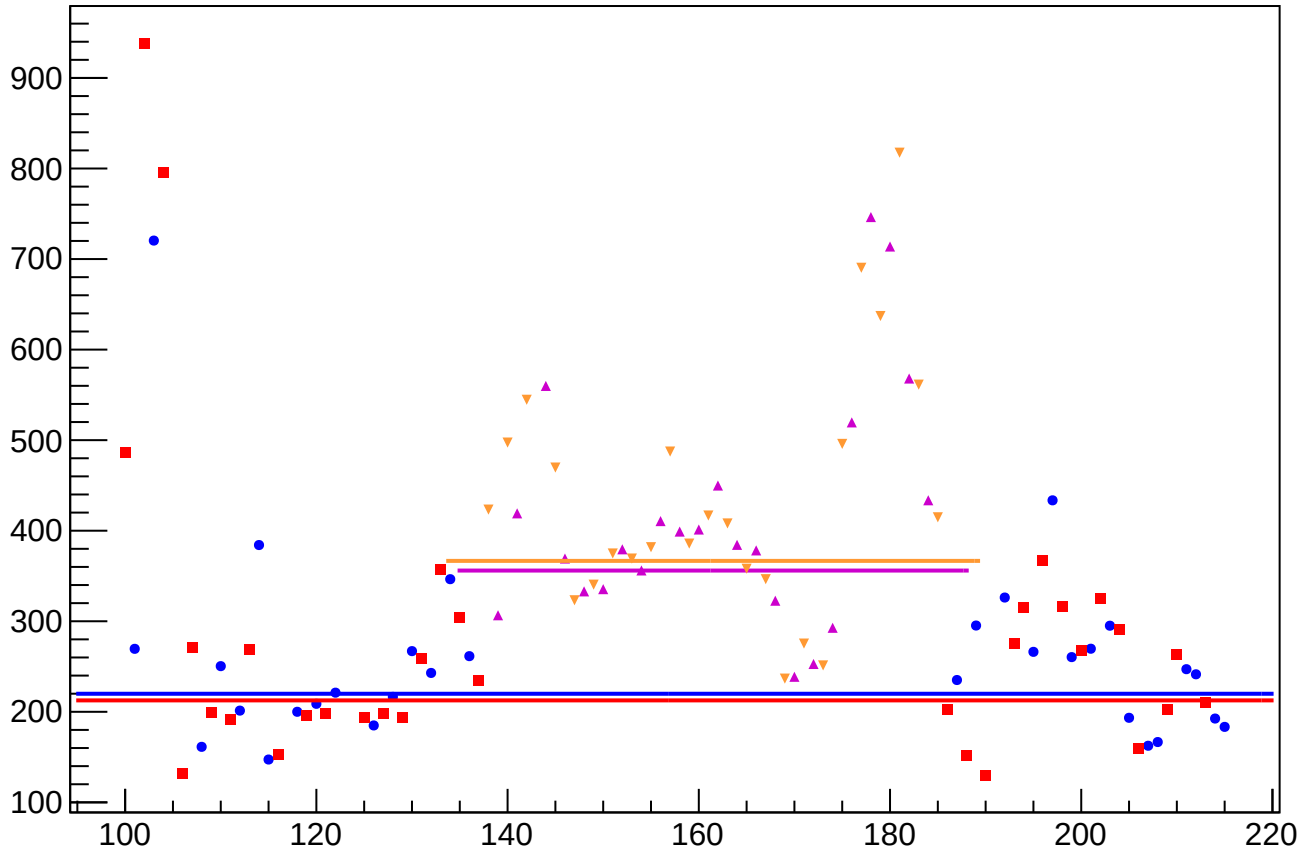
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: 0.003+/-0.038 χ^2/NDF: 78.5/62

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.015+/-0.033 χ^2/NDF: 140.7/109



Right In: 219.932+/-0.038 χ^2/NDF: 2408898.6/30

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 212.607+/-0.038 χ^2/NDF: 3363298.9/31

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

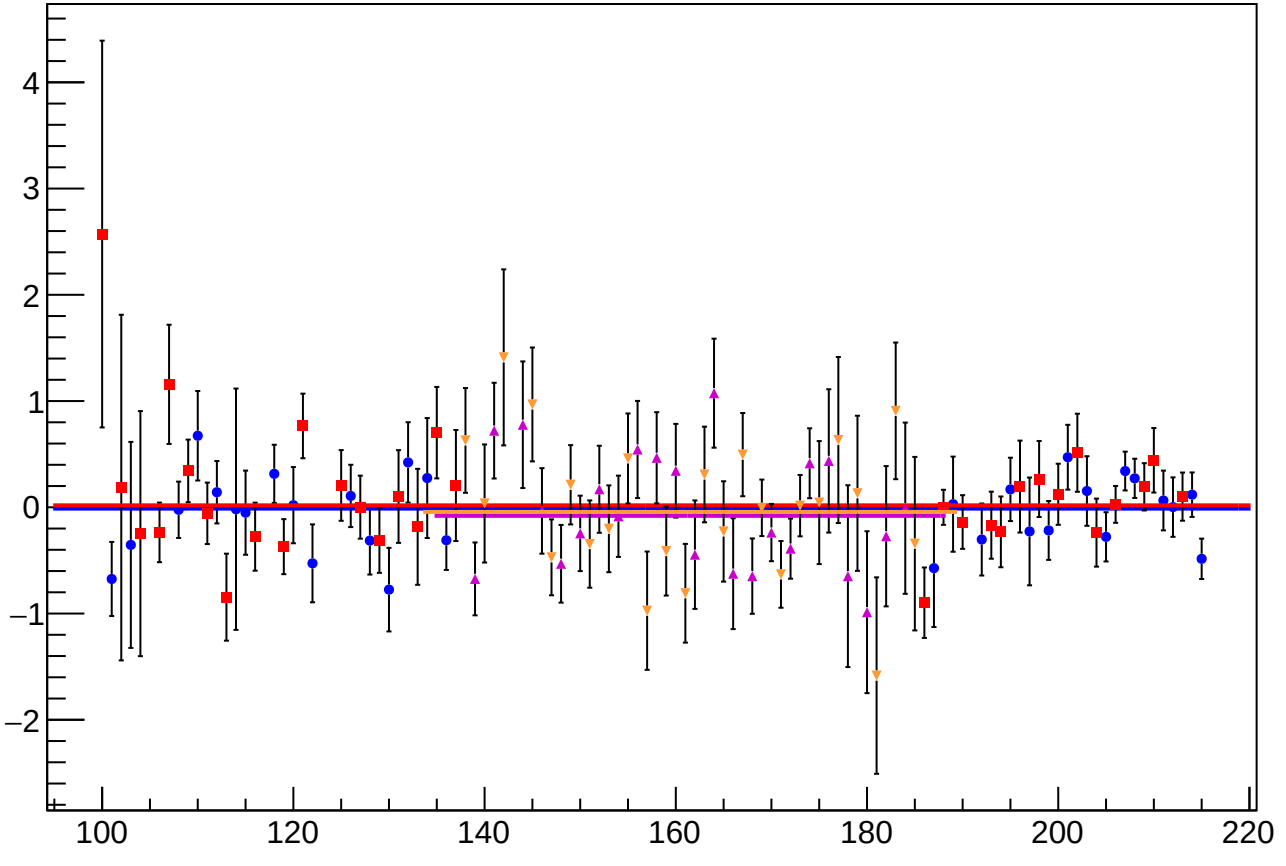
Right: 216.316+/-0.027 χ^2/NDF: 5790544.2/62

In: 257.034+/-0.032 χ^2/NDF:8325355.6/53

Out: 253.551+/-0.033 χ^2/NDF:10464156.0/55

All: 255.323+/-0.023 χ^2/NDF: 18795185.4/10

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.054 χ^2/NDF: 37.3/30

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.018+/-0.054 χ^2/NDF: 41.0/31

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

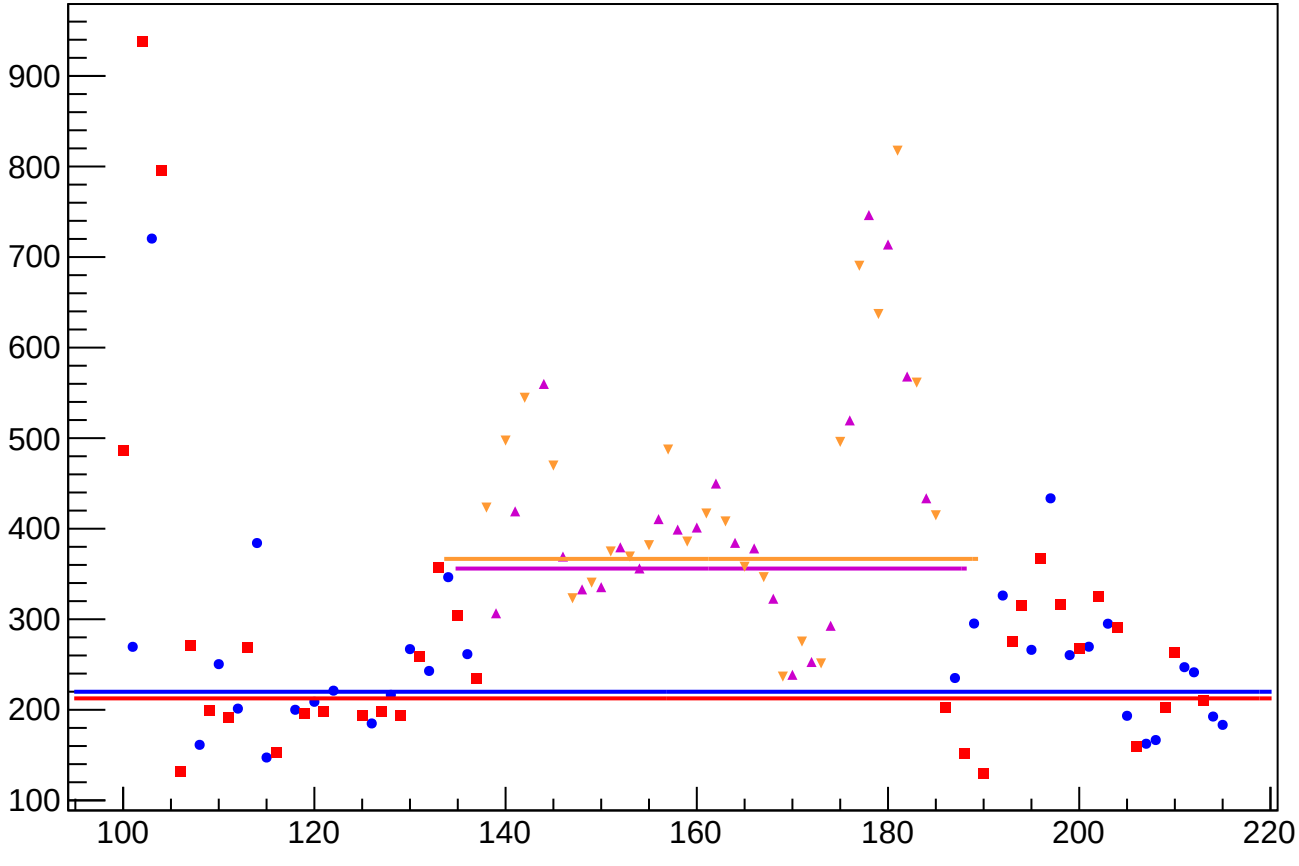
Right: 0.003+/-0.038 χ^2/NDF: 78.5/62

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.015+/-0.033 χ^2/NDF: 140.7/109

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 219.932+/-0.038 χ^2/NDF: 2408898.6/30

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 212.607+/-0.038 χ^2/NDF: 3363298.9/31

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

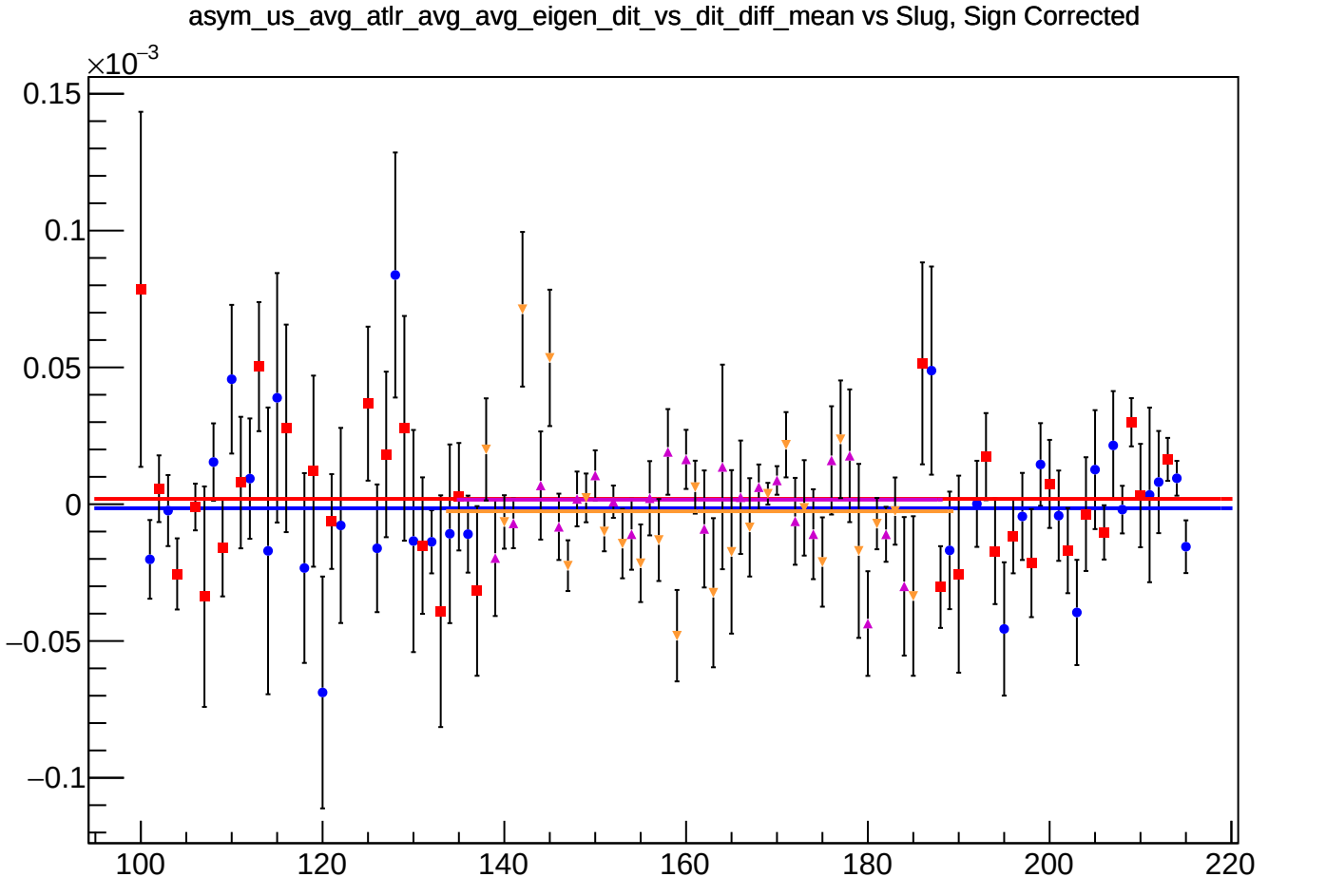
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 216.316+/-0.027 χ^2/NDF: 5790544.2/62

In: 257.034+/-0.032 χ^2/NDF:8325355.6/53

Out: 253.551+/-0.033 χ^2/NDF:10464156.0/55

All: 255.323+/-0.023 χ^2/NDF: 18795185.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 45.8/31

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

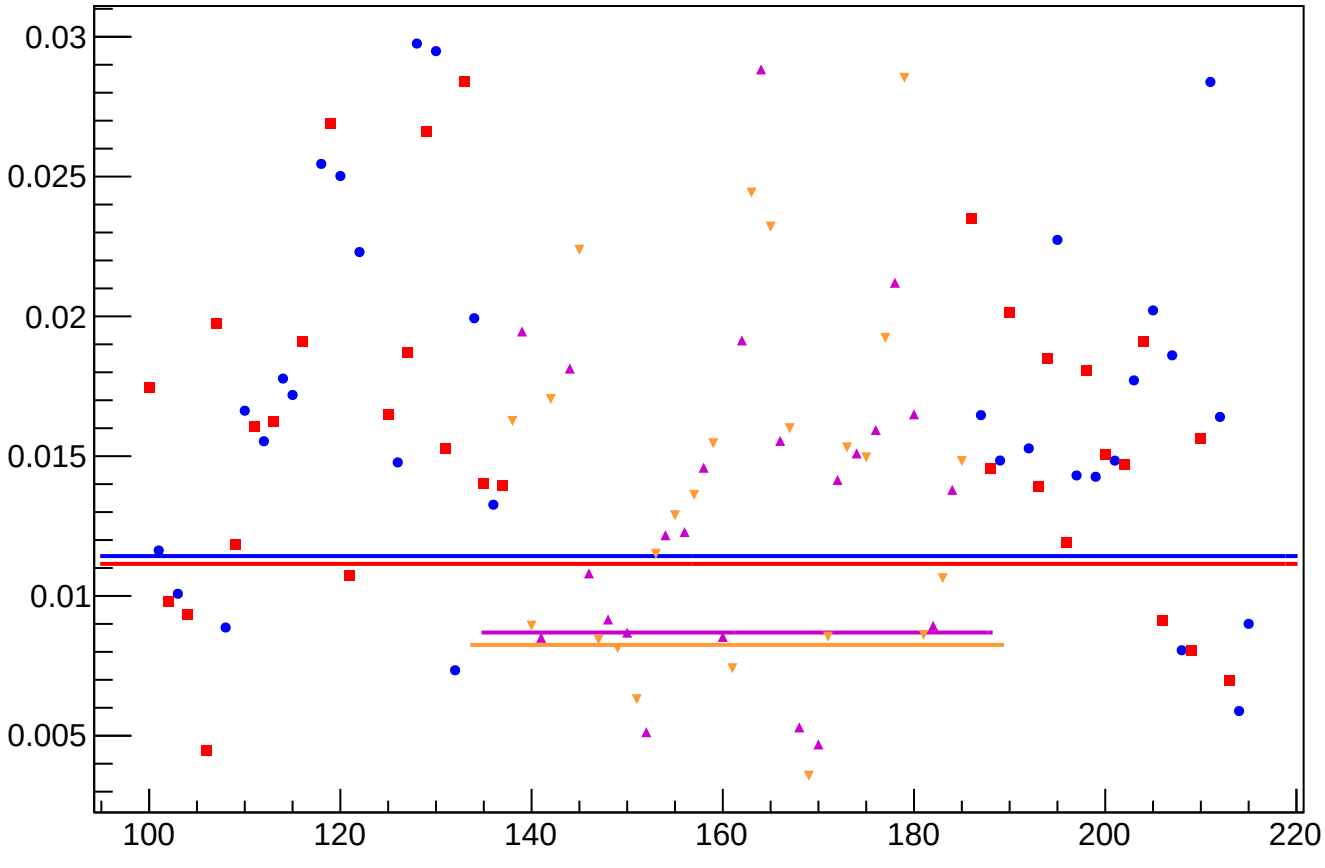
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: 0.000+/-0.000 χ^2/NDF: 80.3/62

In: 0.000+/-0.000 χ^2/NDF:55.2/53

Out: -0.000+/-0.000 χ^2/NDF:90.8/55

All: -0.000+/-0.000 χ^2/NDF: 146.2/109



Right In: 0.011+/-0.000 χ^2/NDF: 6518945.0/30

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.011+/-0.000 χ^2/NDF: 5571597.6/31

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

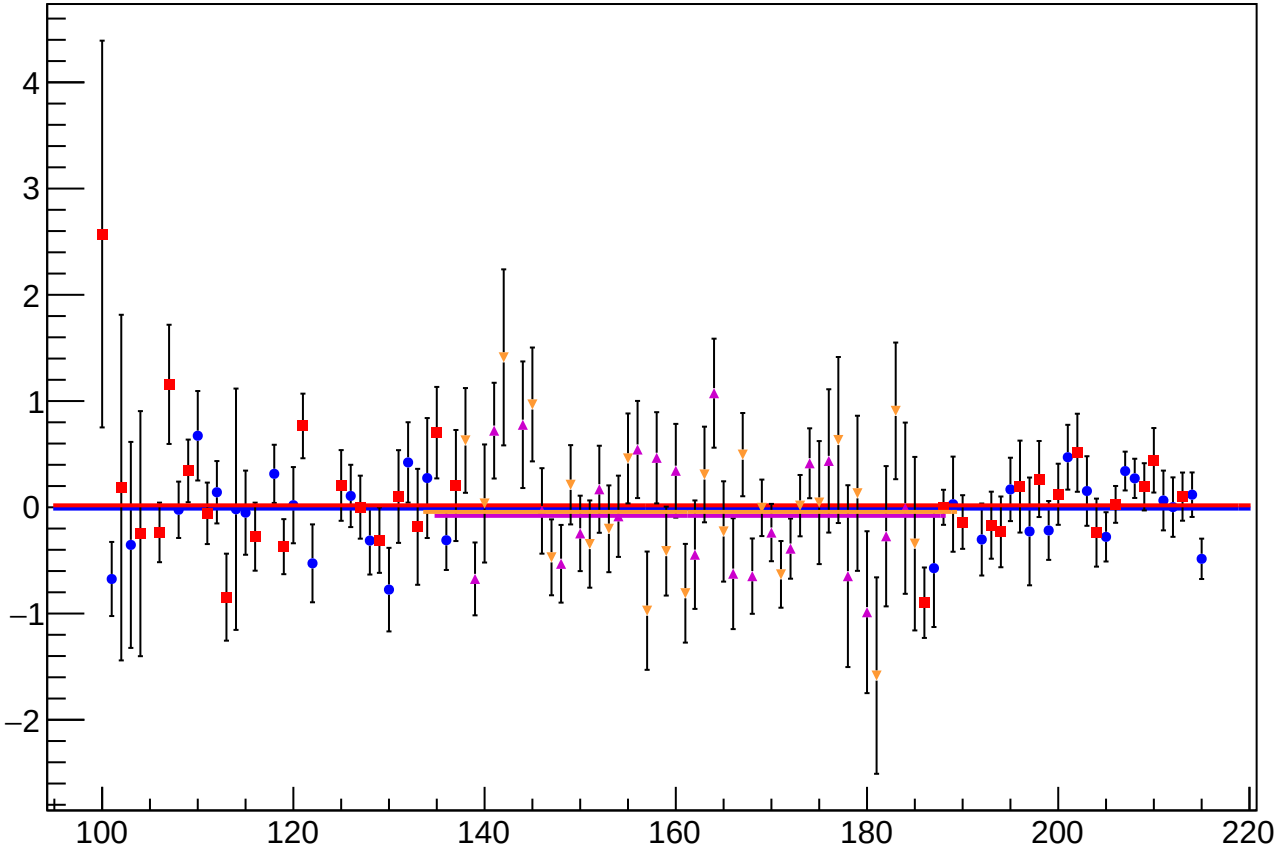
Right: 0.011+/-0.000 χ^2/NDF: 12099881.2/62

In: 0.010+/-0.000 χ^2/NDF:14468119.1/53

Out: 0.009+/-0.000 χ^2/NDF:15702025.3/55

All: 0.010+/-0.000 χ^2/NDF: 30224646.9/109

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.054 χ^2/NDF: 37.3/30

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.018+/-0.054 χ^2/NDF: 41.0/31

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

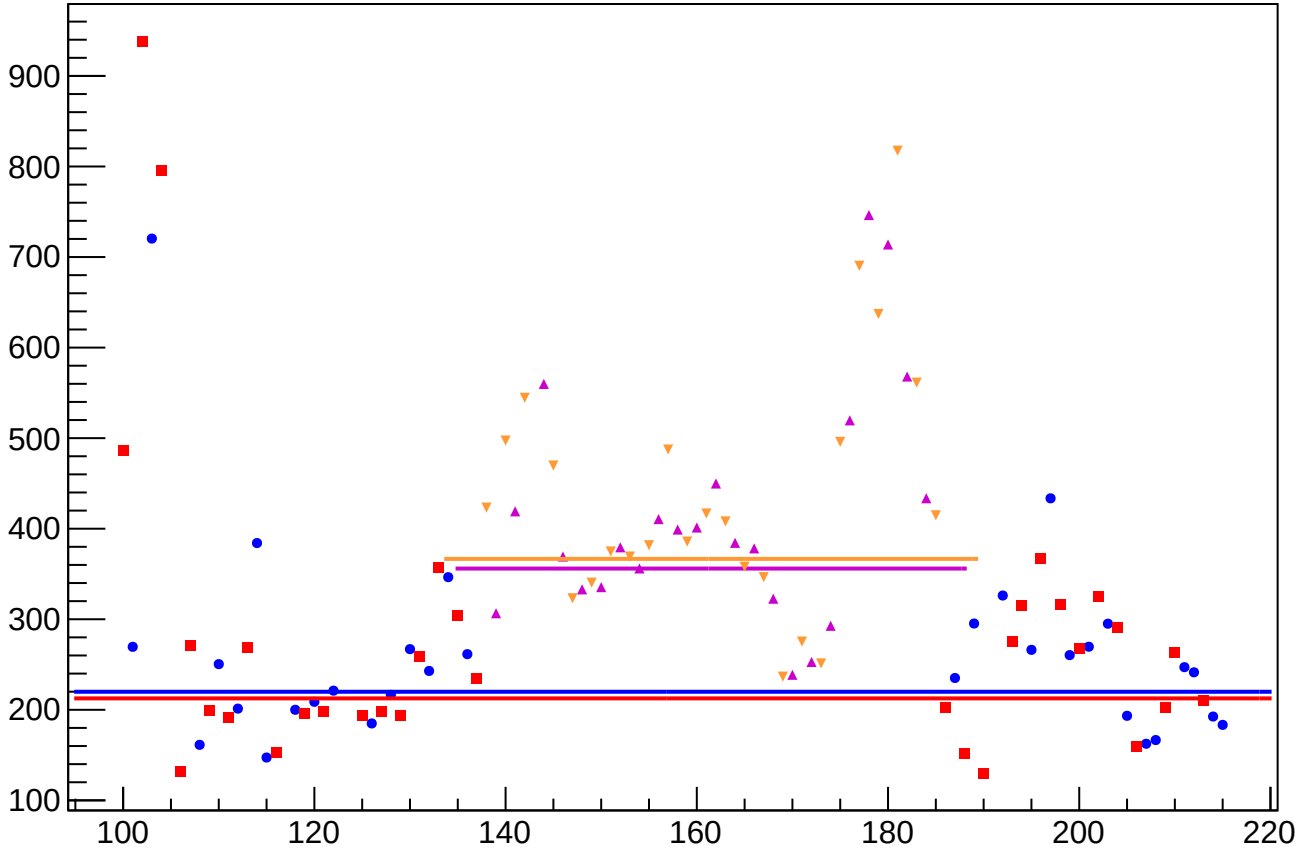
Right: 0.003+/-0.038 χ^2/NDF: 78.5/62

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.015+/-0.033 χ^2/NDF: 140.7/109

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 219.931+/-0.038 χ^2/NDF: 2408934.5/30

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 212.604+/-0.038 χ^2/NDF: 3363370.5/31

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

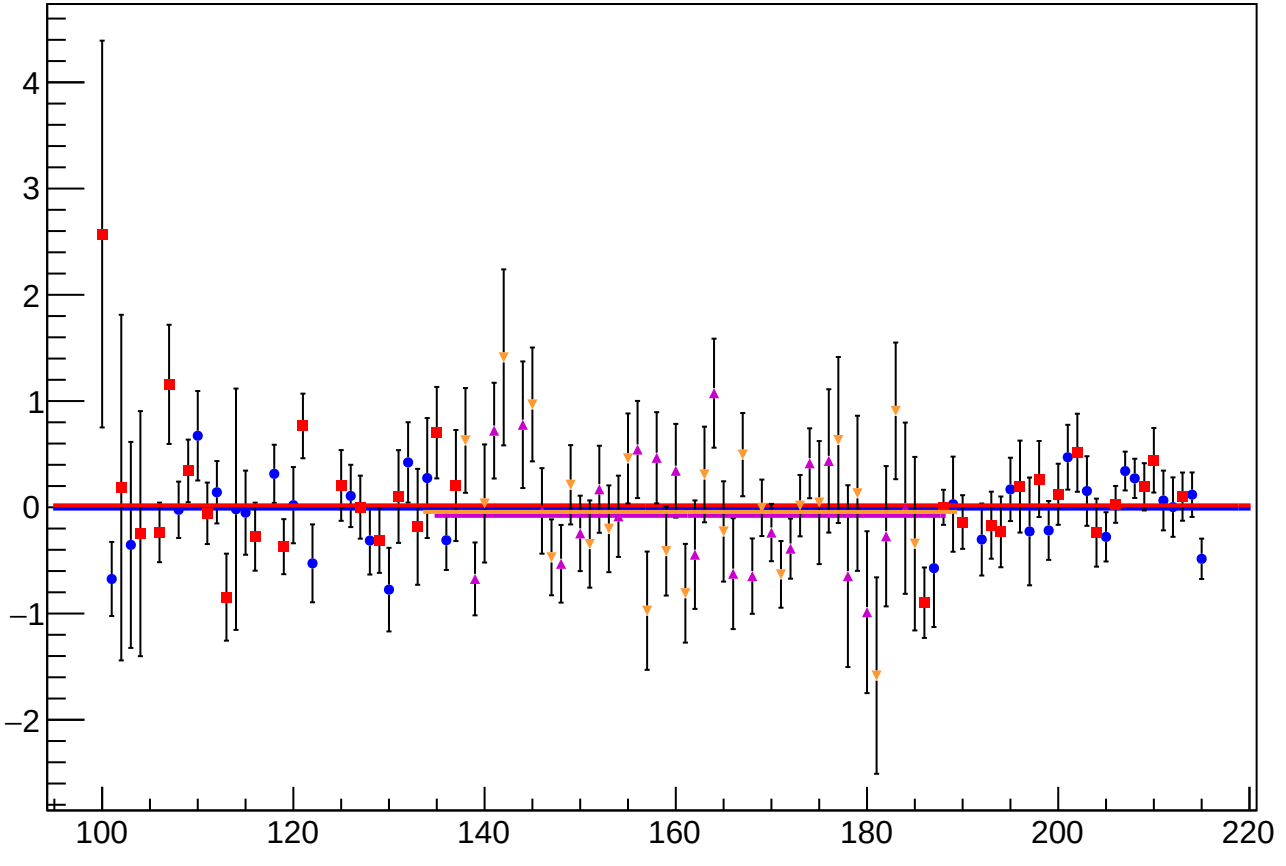
Right: 216.314+/-0.027 χ^2/NDF: 5790659.5/62

In: 257.033+/-0.032 χ^2/NDF:8325671.8/53

Out: 253.548+/-0.033 χ^2/NDF:10464619.9/55

All: 255.321+/-0.023 χ^2/NDF: 18795971.1/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.054 χ^2/NDF: 37.3/30

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: 0.018+/-0.054 χ^2/NDF: 41.0/31

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

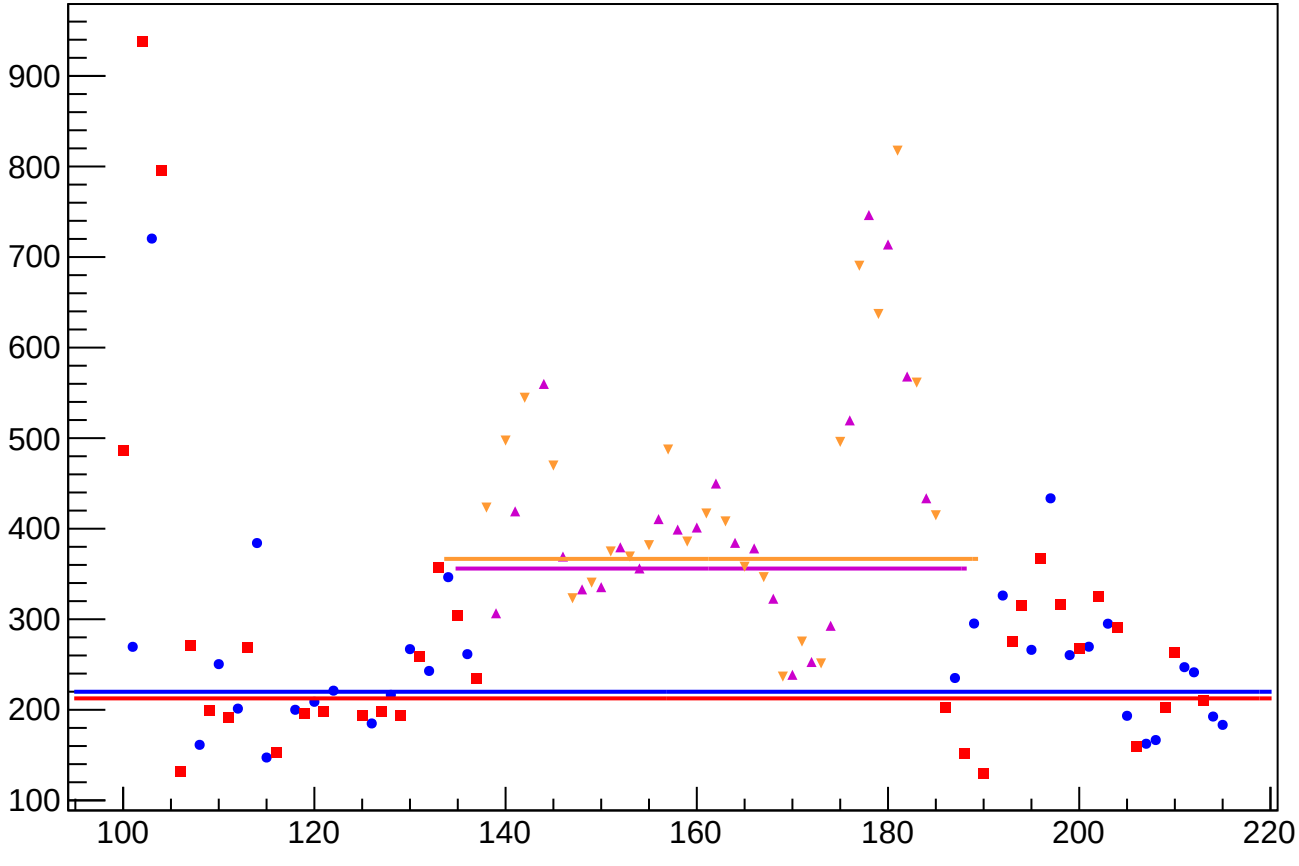
Right: 0.003+/-0.038 χ^2/NDF: 78.5/62

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.002+/-0.047 χ^2/NDF:72.3/55

All: -0.015+/-0.033 χ^2/NDF: 140.7/109

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 219.931+/-0.038 χ^2/NDF: 2408934.5/30

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 212.604+/-0.038 χ^2/NDF: 3363370.5/31

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

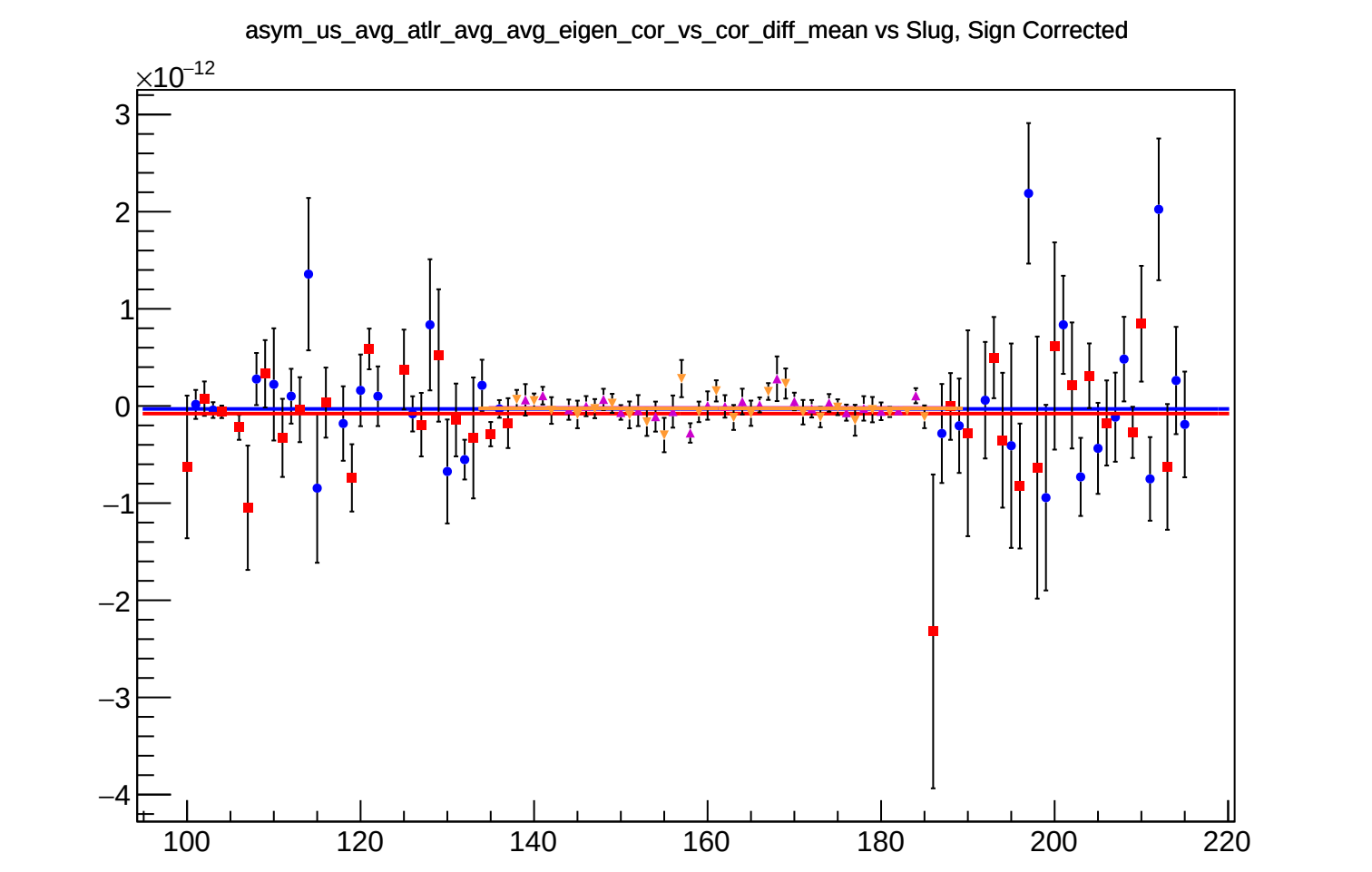
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 216.314+/-0.027 χ^2/NDF: 5790659.5/62

In: 257.033+/-0.032 χ^2/NDF:8325671.8/53

Out: 253.548+/-0.033 χ^2/NDF:10464619.9/55

All: 255.321+/-0.023 χ^2/NDF: 18795971.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 47.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/31

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

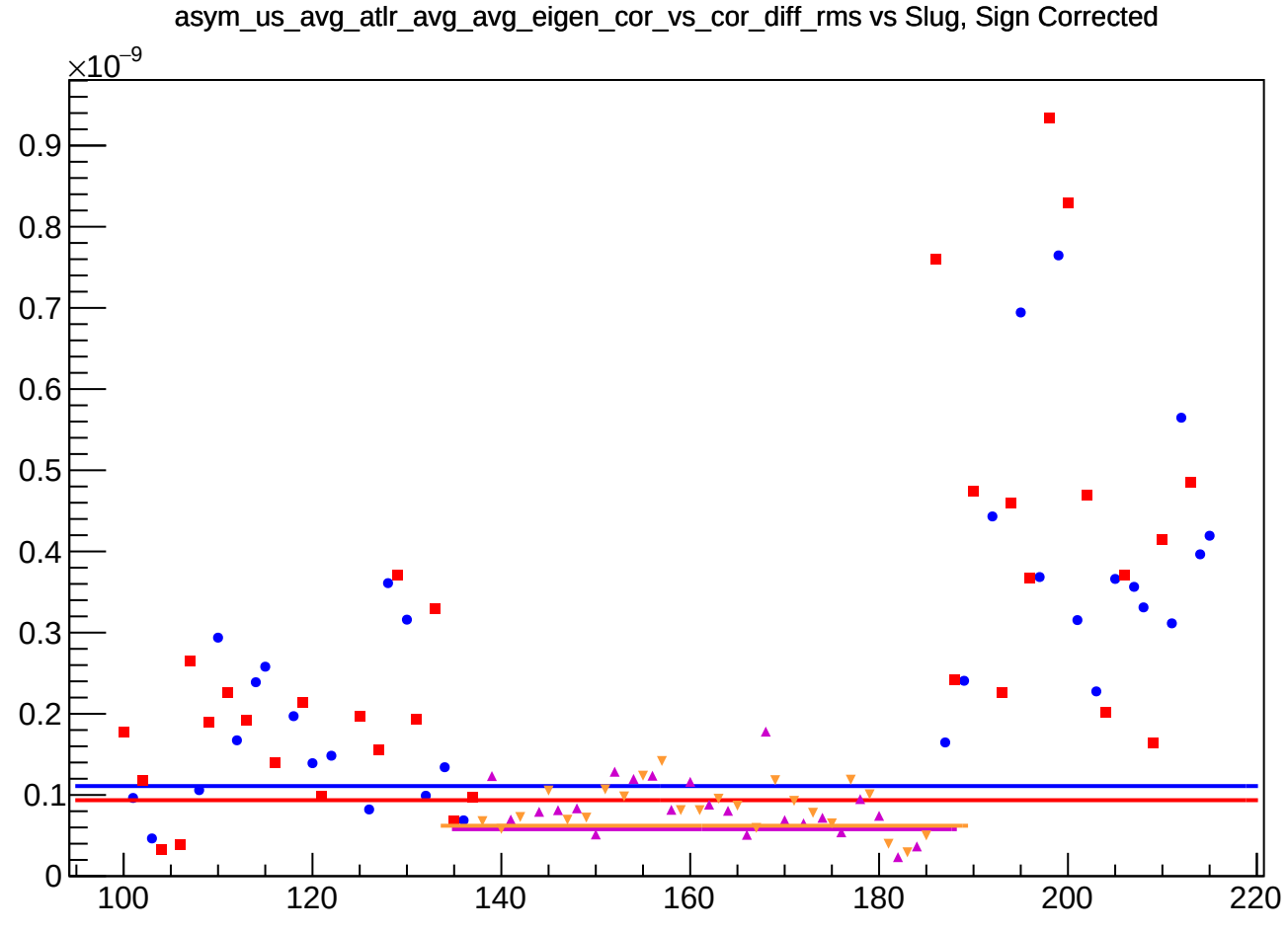
Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

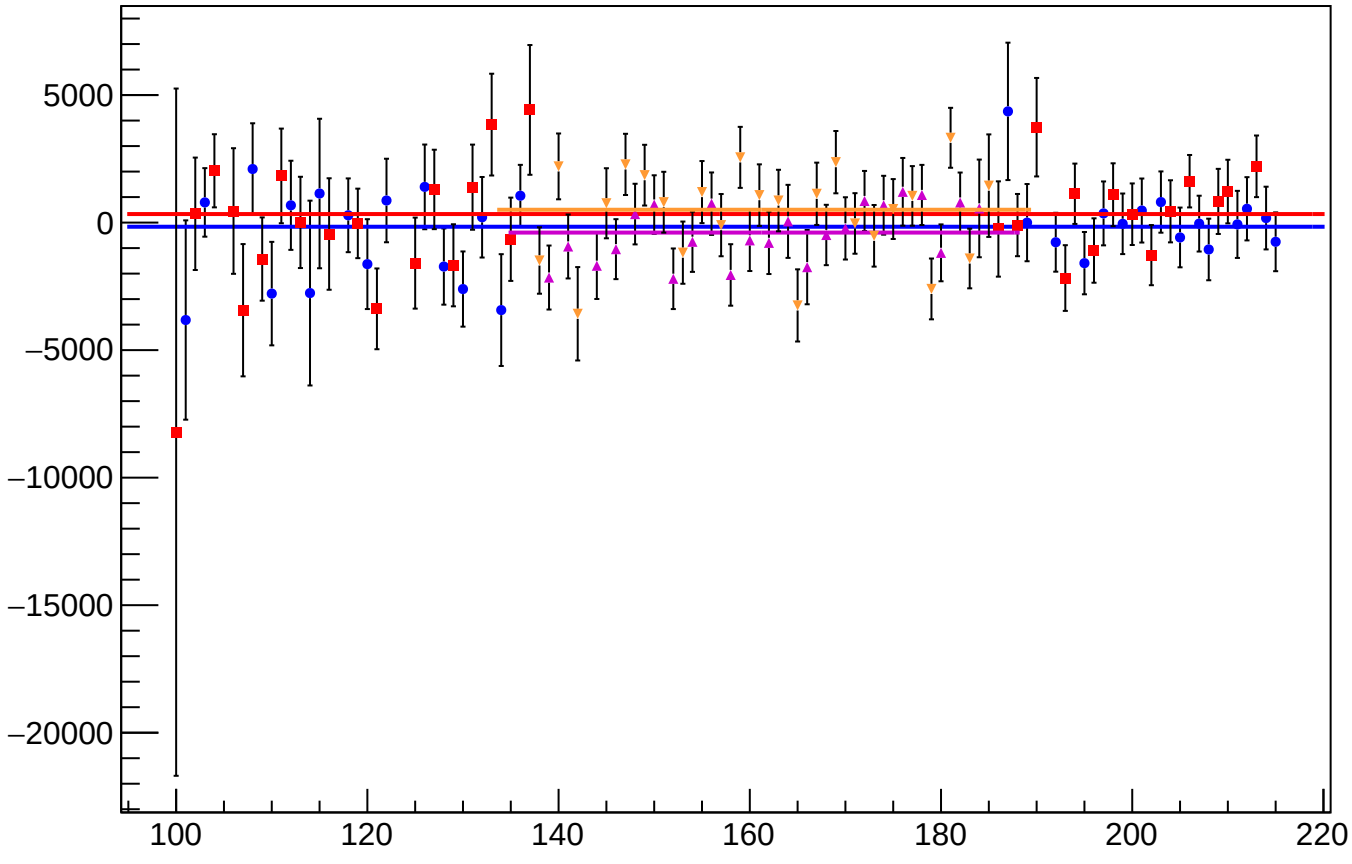
Right: -0.000+/-0.000 χ^2/NDF: 85.1/62

In: -0.000+/-0.000 χ^2/NDF:64.6/53

Out: -0.000+/-0.000 χ^2/NDF:60.4/55

All: -0.000+/-0.000 χ^2/NDF: 125.2/109


asym_us_avg_atlr_avg_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: 10053002.6/30
Left Out: 0.000+/-0.000 χ²/NDF:4100152.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 11203060.5/31
Left In: 0.000+/-0.000 χ²/NDF:5512617.8/22
Left: 0.000+/-0.000 χ²/NDF: 9664055.9/46
Right: 0.000+/-0.000 χ²/NDF: 21417779.5/62
In: 0.000+/-0.000 χ²/NDF:17995321.4/53
Out: 0.000+/-0.000 χ²/NDF:16230593.9/55
All: 0.000+/-0.000 χ²/NDF: 34238909.9/109



Right In: -162.658+/-258.270 χ^2/NDF: 21.7/30

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 334.804+/-265.485 χ^2/NDF: 36.8/31

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

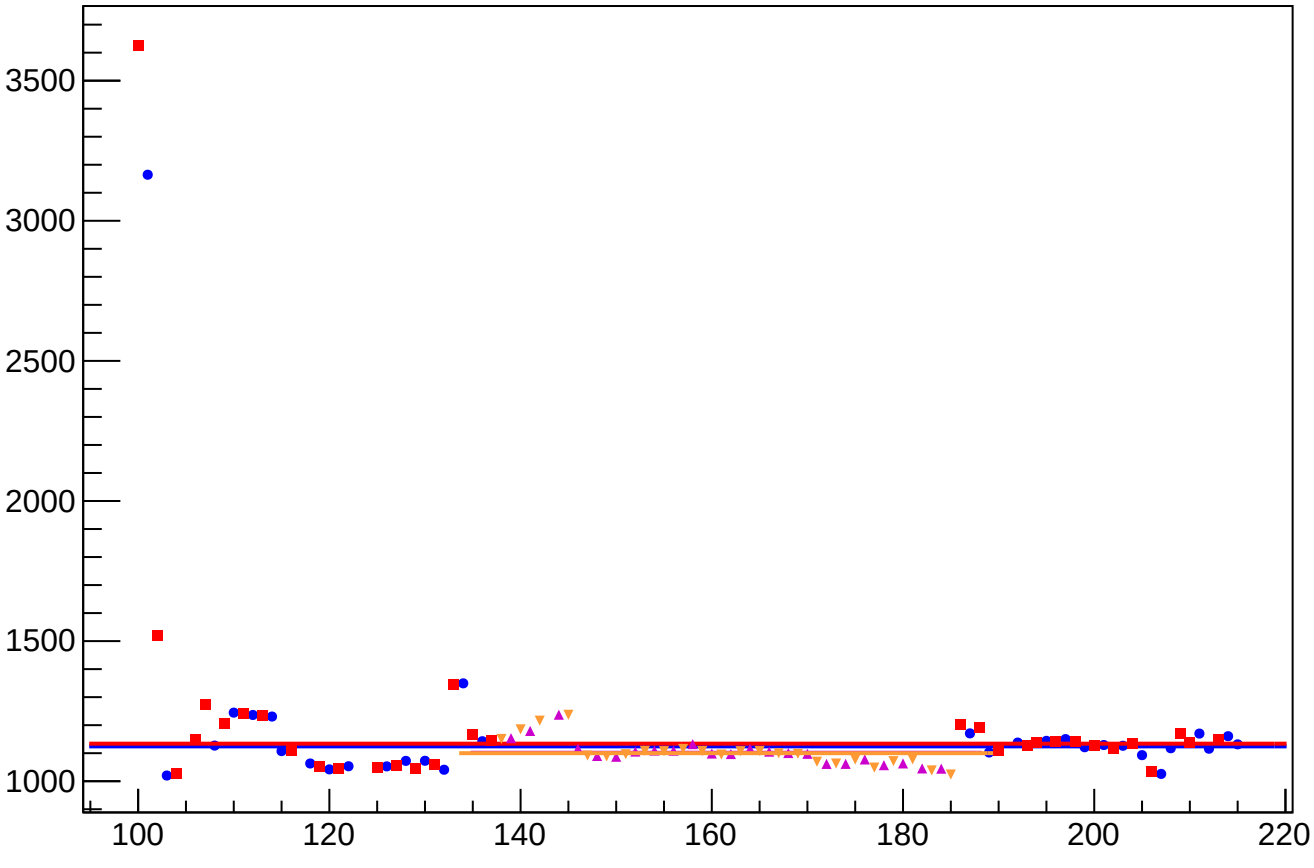
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 79.222+/-185.123 χ^2/NDF: 60.3/62

In: -277.573+/-182.311 χ^2/NDF:39.9/53

Out: 422.429+/-184.106 χ^2/NDF:81.5/55

All: 69.000+/-129.543 χ^2/NDF: 128.7/109



Right In: 1124.336+/-0.183 χ^2/NDF: 646177.9/30

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1133.949+/-0.188 χ^2/NDF: 249343.5/31

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

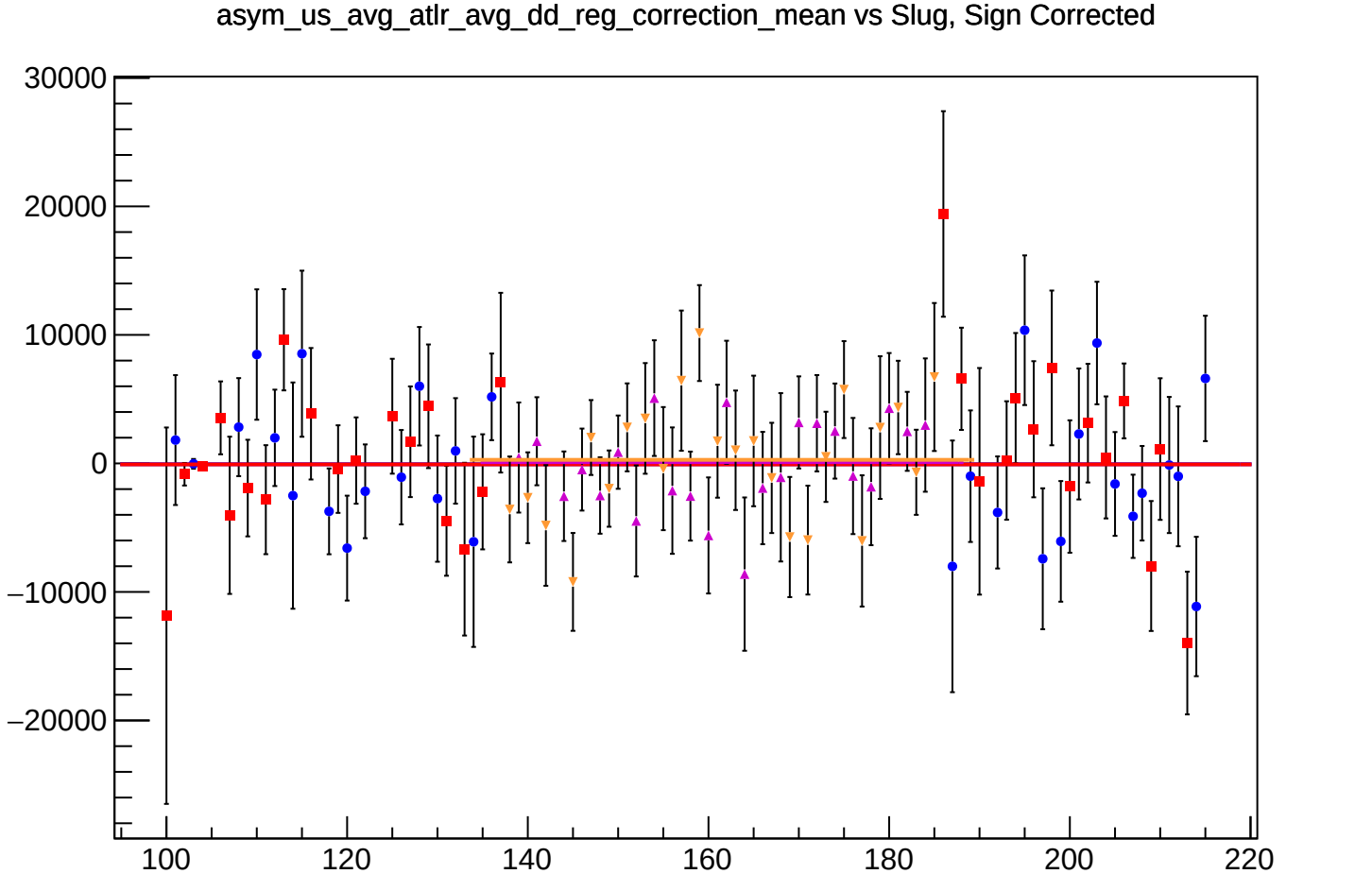
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1129.013+/-0.131 χ^2/NDF: 896869.6/62

In: 1112.894+/-0.129 χ^2/NDF:706148.1/53

Out: 1116.371+/-0.130 χ^2/NDF:325002.9/55

All: 1114.616+/-0.092 χ^2/NDF: 1031511.3/10



Right In: -63.681+/-343.287 χ^2/NDF: 35.3/30

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -76.824+/-313.043 χ^2/NDF: 39.6/31

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

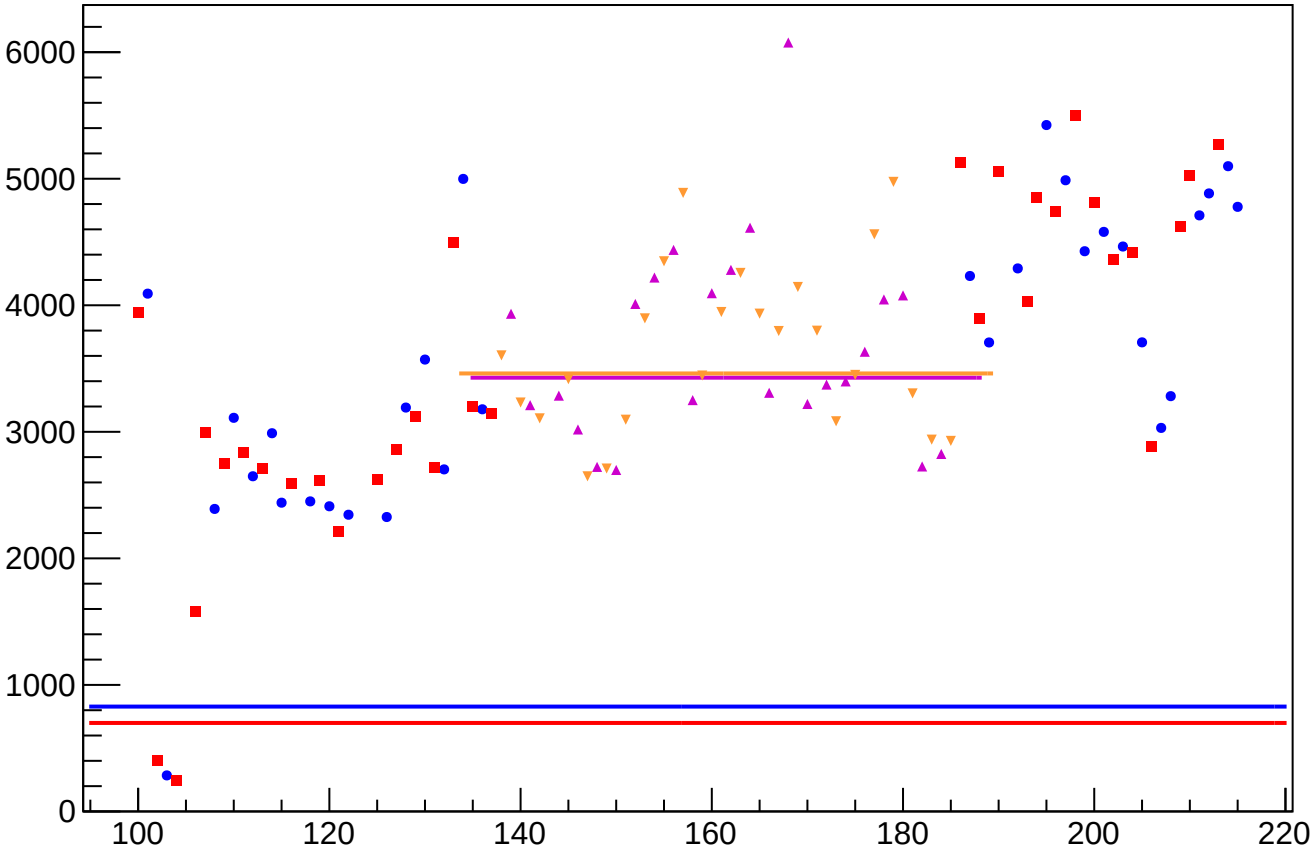
Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

Right: -70.857+/-231.310 χ^2/NDF: 74.9/62

In: -39.920+/-316.497 χ^2/NDF:49.0/53

Out: -31.800+/-292.479 χ^2/NDF:69.7/55

All: -35.540+/-214.804 χ^2/NDF: 118.7/109



Right In: 828.757+/-0.243 χ^2/NDF: 26469173.2/30

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 699.371+/-0.221 χ^2/NDF: 26011486.1/31

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

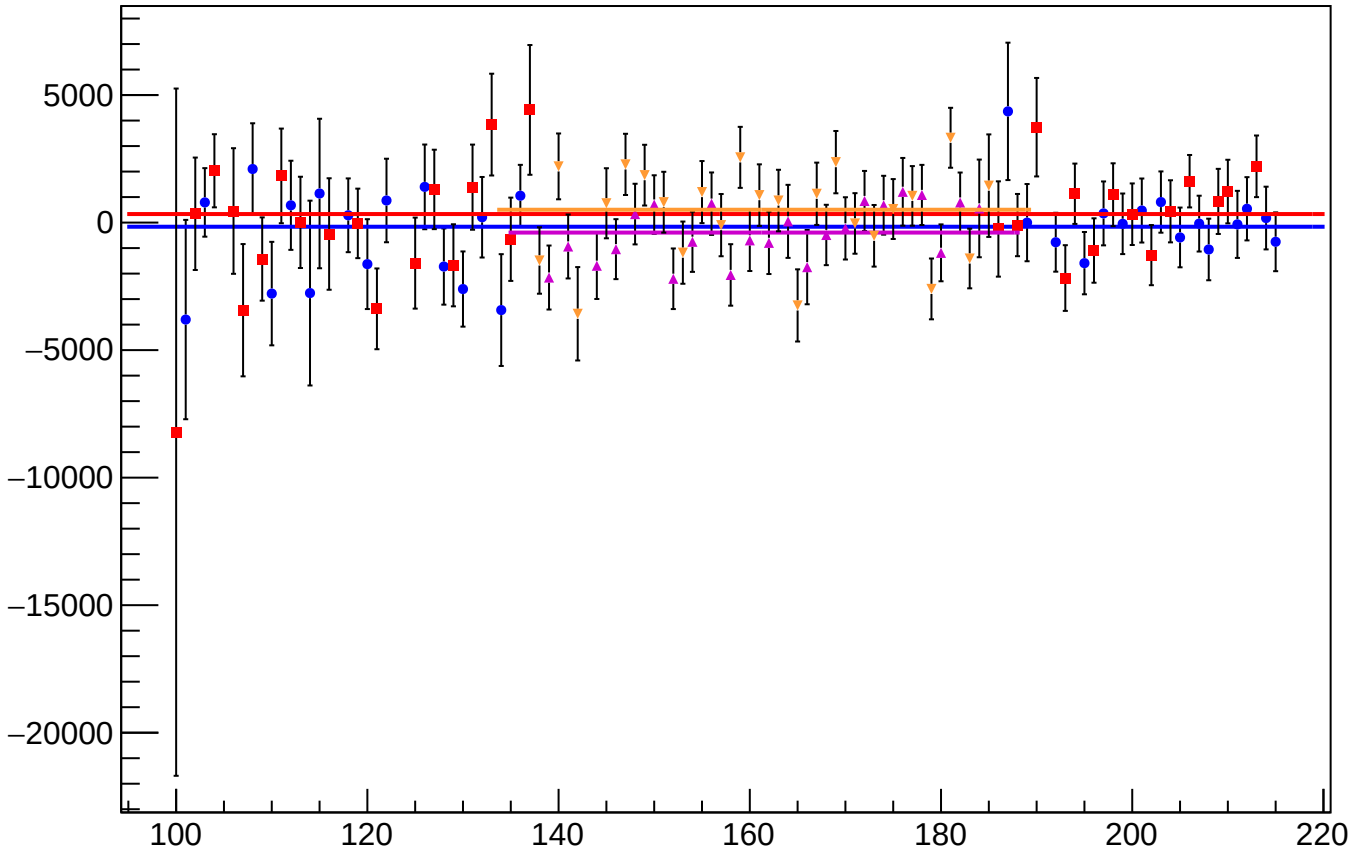
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 758.114+/-0.164 χ^2/NDF: 52635778.8/62

In: 1218.593+/-0.224 χ^2/NDF:44908042.9/53

Out: 1050.315+/-0.207 χ^2/NDF:46851929.4/55

All: 1127.827+/-0.152 χ^2/NDF: 92064930.3/1



Right In: -162.608+/-258.270 χ^2/NDF: 21.7/30

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 334.815+/-265.485 χ^2/NDF: 36.8/31

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

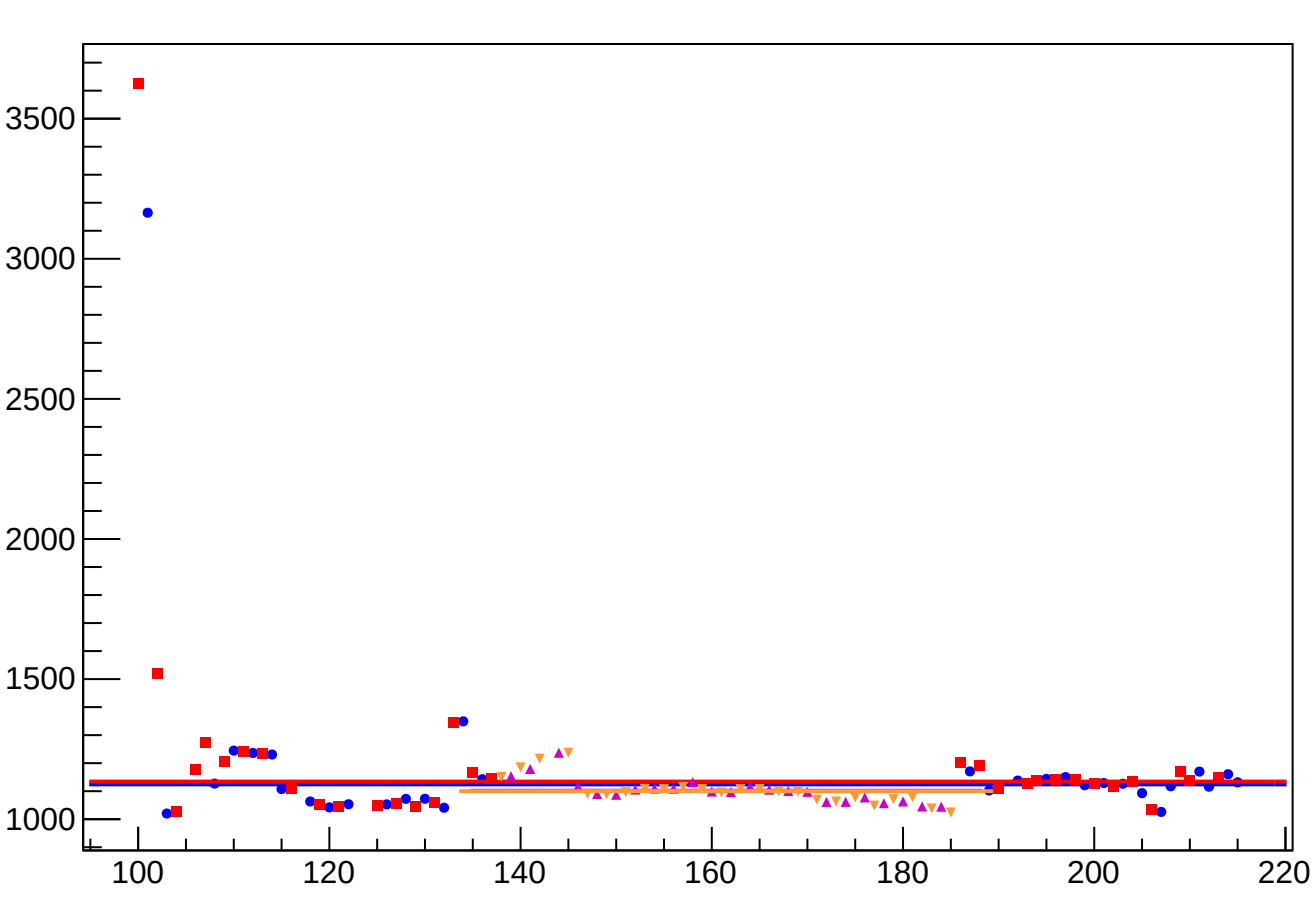
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 79.253+/-185.123 χ^2/NDF: 60.2/62

In: -277.541+/-182.311 χ^2/NDF:39.9/53

Out: 422.472+/-184.106 χ^2/NDF:81.5/55

All: 69.037+/-129.543 χ^2/NDF: 128.7/109



Right In: 1124.336+/-0.183 χ^2/NDF: 646179.0/30

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.310+/-0.188 χ^2/NDF: 249951.8/31

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

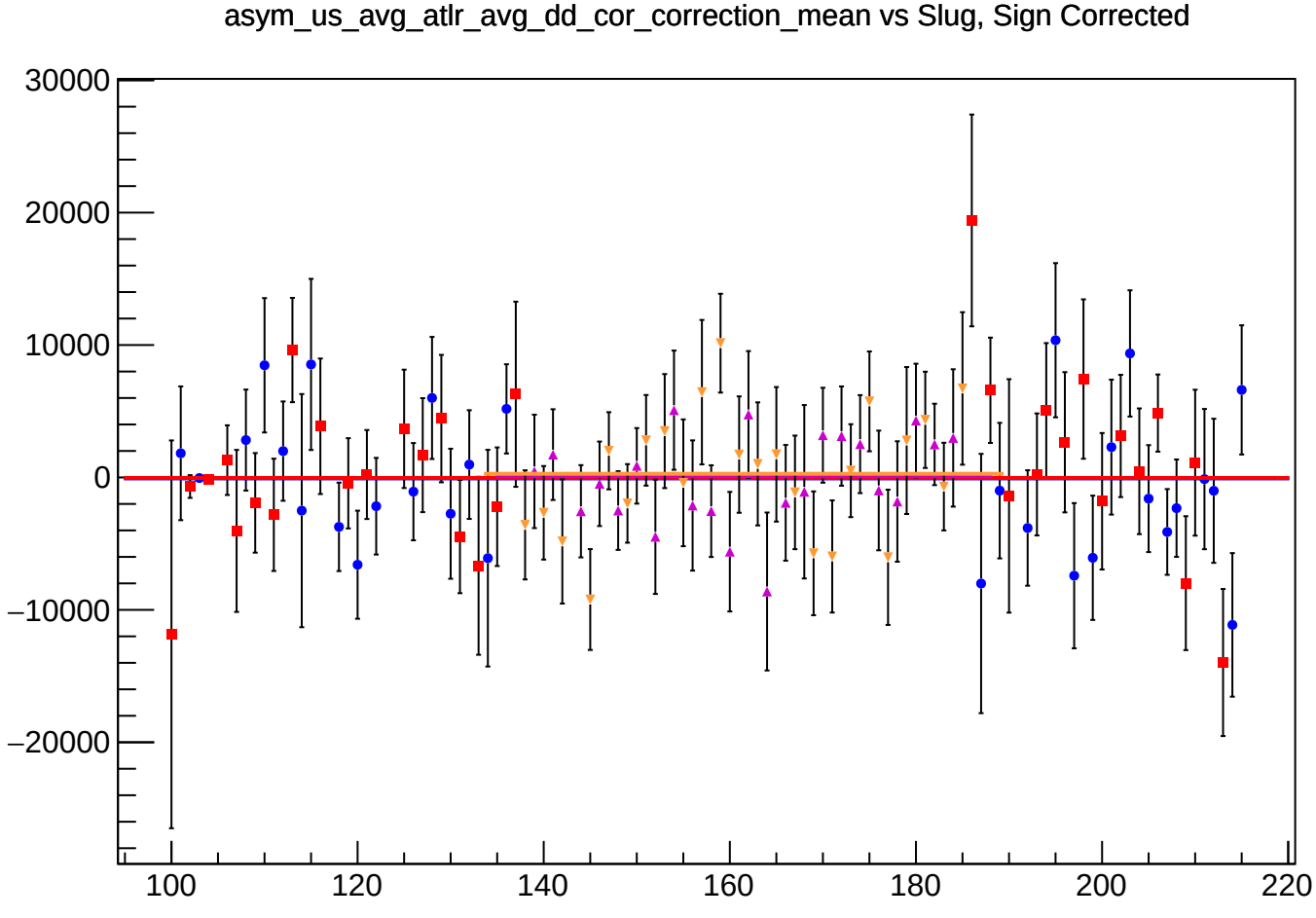
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1129.187+/-0.131 χ^2/NDF: 897581.5/62

In: 1112.894+/-0.129 χ^2/NDF:706149.2/53

Out: 1116.536+/-0.130 χ^2/NDF:325965.4/55

All: 1114.697+/-0.092 χ^2/NDF: 1032509.9/10



Right In: -72.306+/-331.630 χ^2/NDF: 35.3/30

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -37.724+/-308.303 χ^2/NDF: 37.9/31

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

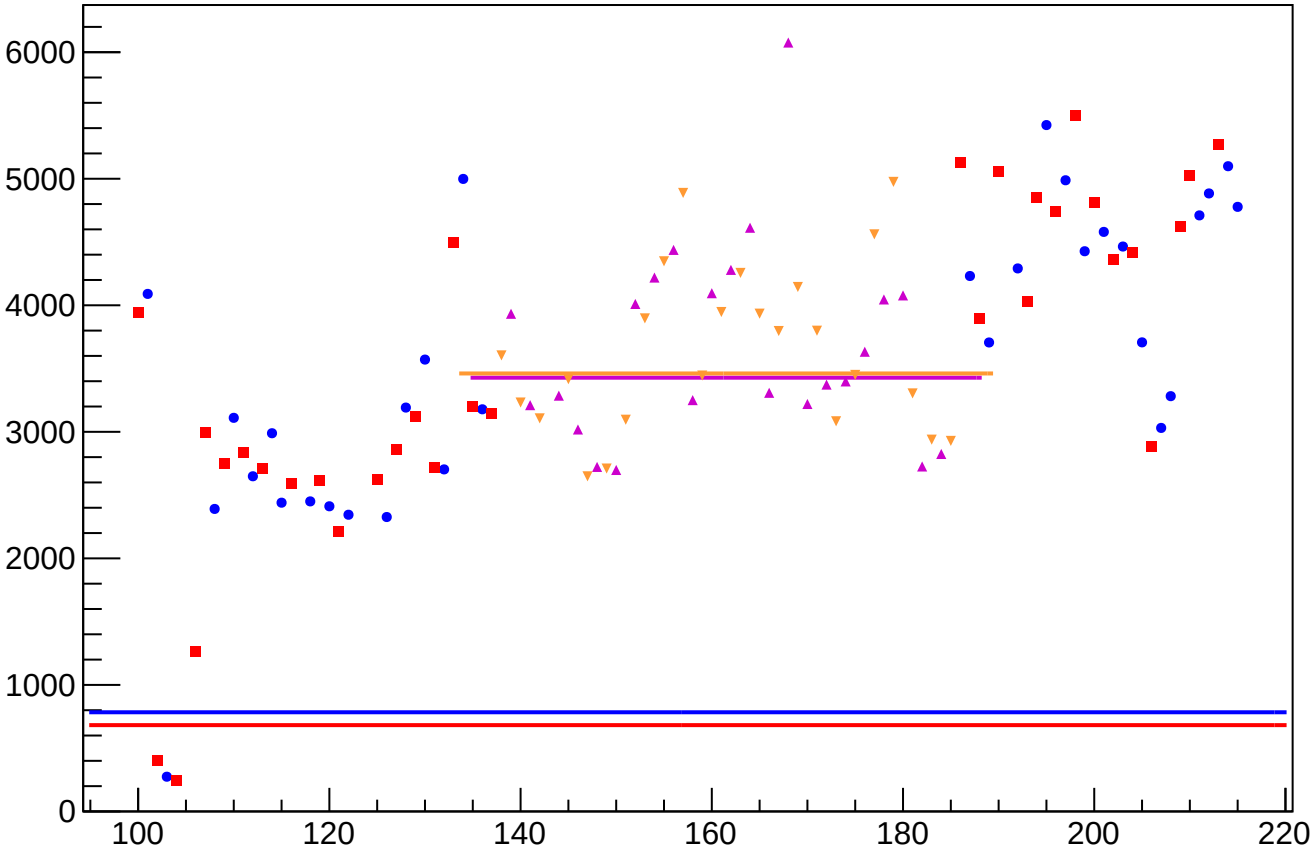
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -53.756+/-225.800 χ^2/NDF: 73.2/62

In: -48.687+/-307.292 χ^2/NDF:49.0/53

Out: 1.280+/-288.602 χ^2/NDF:67.9/55

All: -22.137+/-210.370 χ^2/NDF: 116.9/109



Right In: 783.789+/-0.234 χ^2/NDF: 26964300.7/30

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 682.193+/-0.218 χ^2/NDF: 26059492.1/31

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

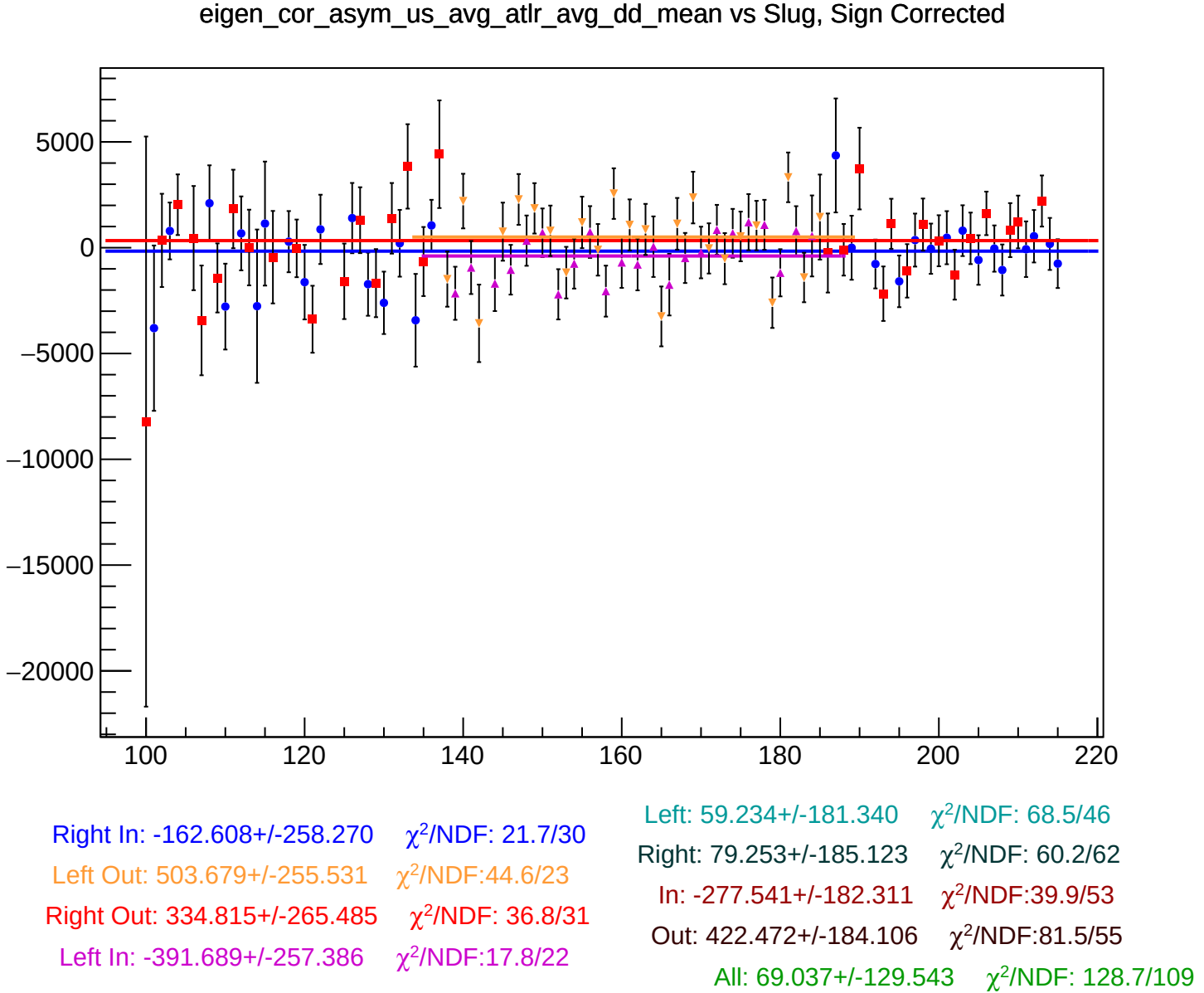
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

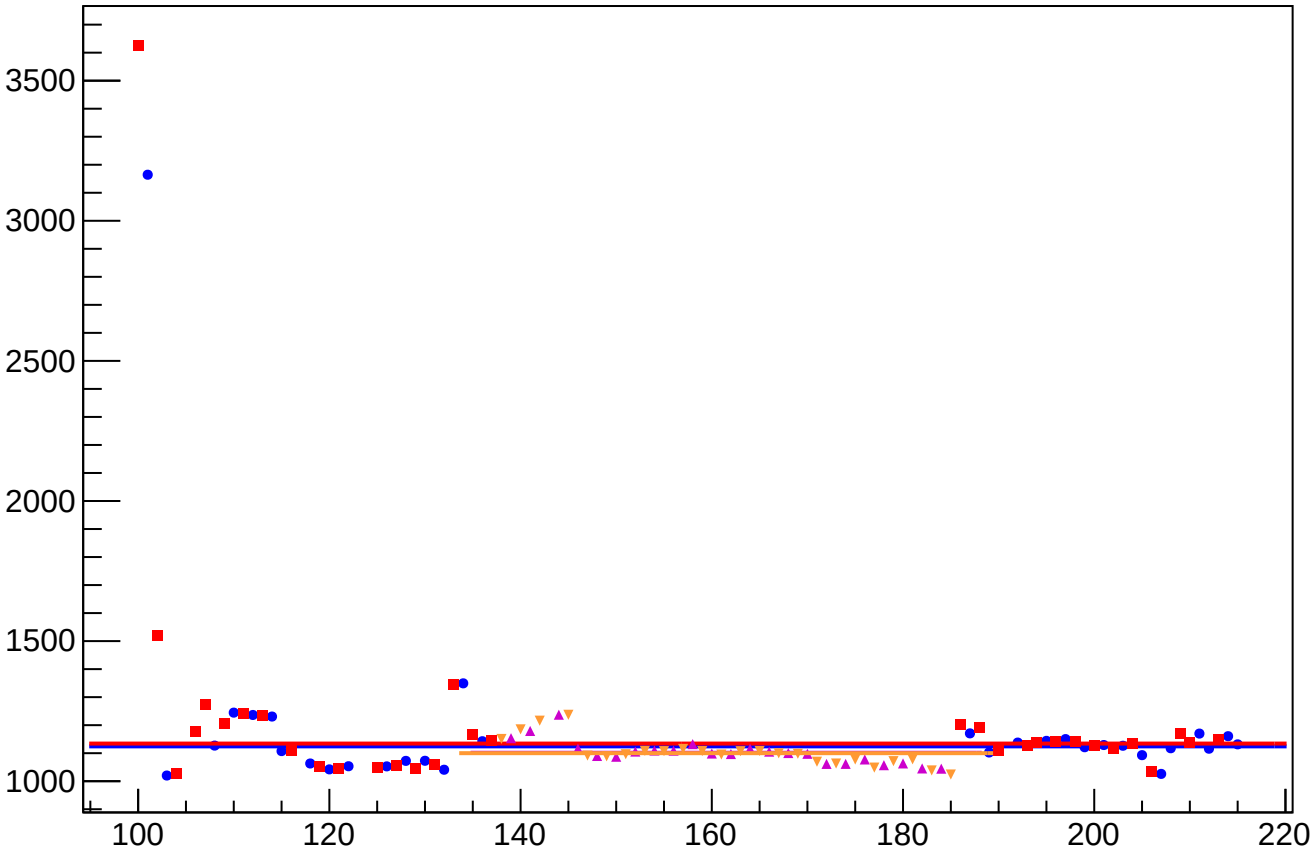
Right: 729.292+/-0.160 χ^2/NDF: 53124479.5/62

In: 1157.637+/-0.217 χ^2/NDF:46183322.4/53

Out: 1026.019+/-0.204 χ^2/NDF:47223572.1/55

All: 1087.704+/-0.149 χ^2/NDF: 93601846.3/1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -162.608+/-258.270 χ²/NDF: 21.7/30
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 334.815+/-265.485 χ²/NDF: 36.8/31
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 79.253+/-185.123 χ²/NDF: 60.2/62
In: -277.541+/-182.311 χ²/NDF:39.9/53
Out: 422.472+/-184.106 χ²/NDF:81.5/55
All: 69.037+/-129.543 χ²/NDF: 128.7/109



Right In: 1124.336+/-0.183 χ^2/NDF: 646179.0/30

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1134.310+/-0.188 χ^2/NDF: 249951.8/31

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

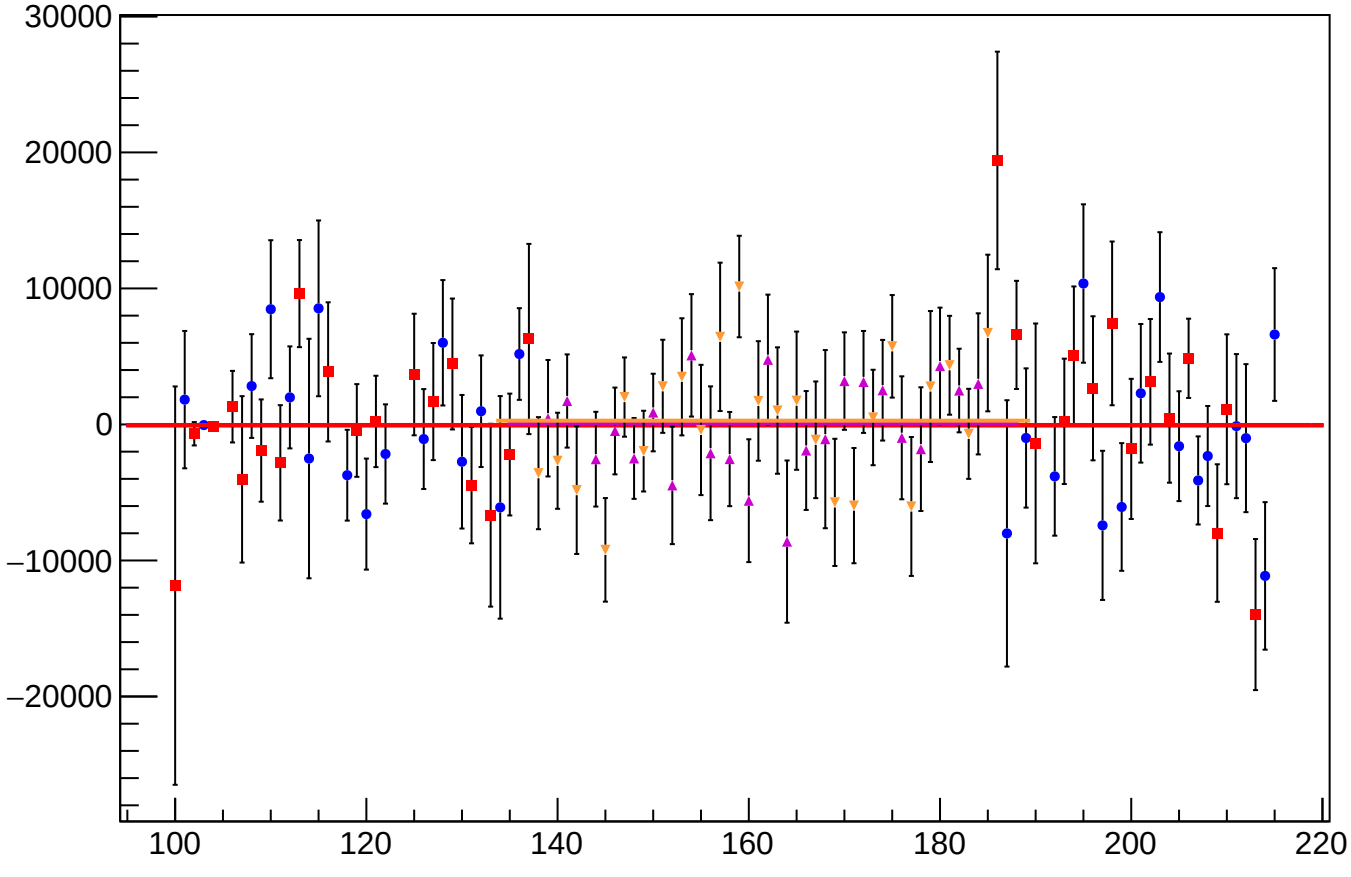
Right: 1129.187+/-0.131 χ^2/NDF: 897581.5/62

In: 1112.894+/-0.129 χ^2/NDF:706149.2/53

Out: 1116.536+/-0.130 χ^2/NDF:325965.4/55

All: 1114.697+/-0.092 χ^2/NDF: 1032509.9/10

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -72.306+/-331.630 χ^2/NDF: 35.3/30

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -37.724+/-308.303 χ^2/NDF: 37.9/31

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

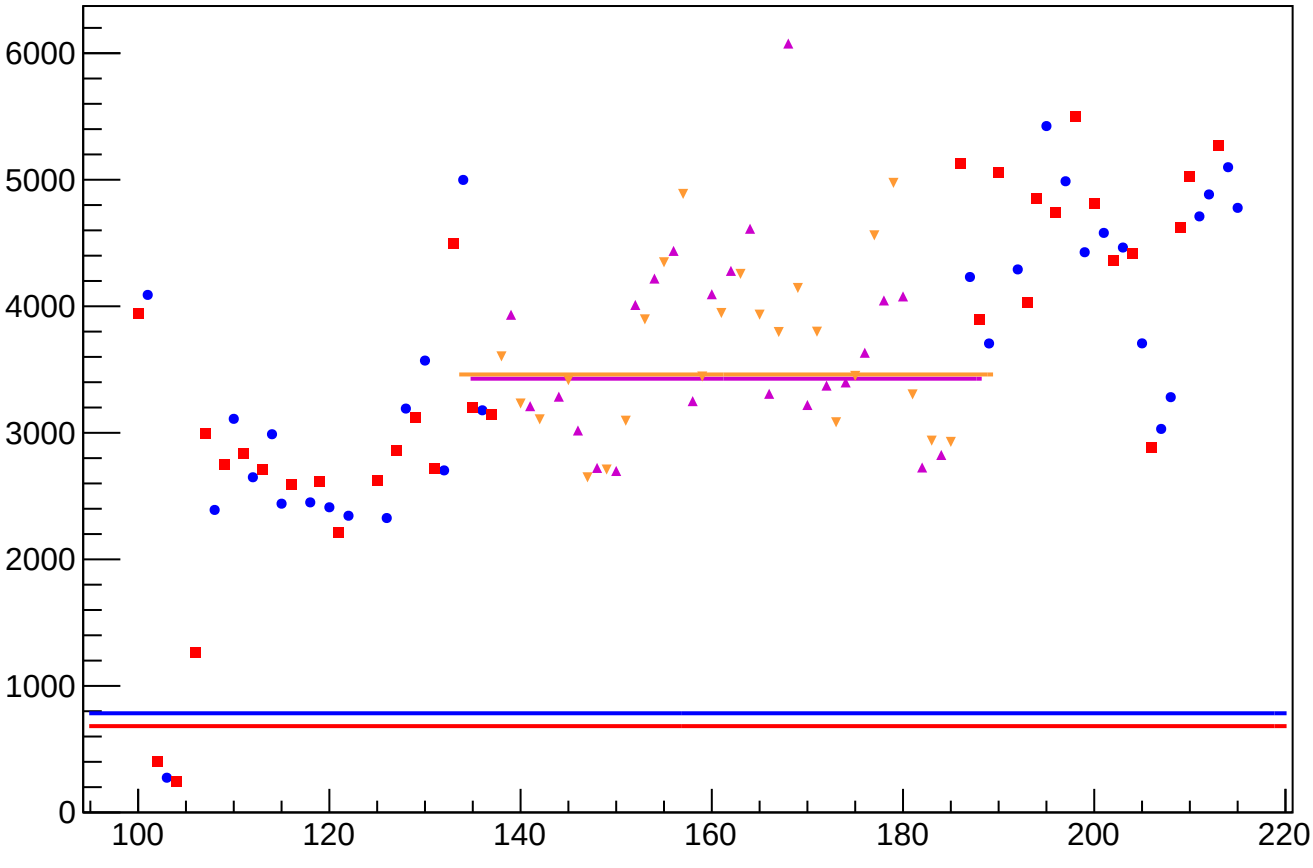
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -53.756+/-225.800 χ^2/NDF: 73.2/62

In: -48.687+/-307.292 χ^2/NDF:49.0/53

Out: 1.280+/-288.602 χ^2/NDF:67.9/55

All: -22.137+/-210.370 χ^2/NDF: 116.9/109



Right In: 783.789+/-0.234 χ^2/NDF: 26964300.7/30

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 682.193+/-0.218 χ^2/NDF: 26059492.1/31

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

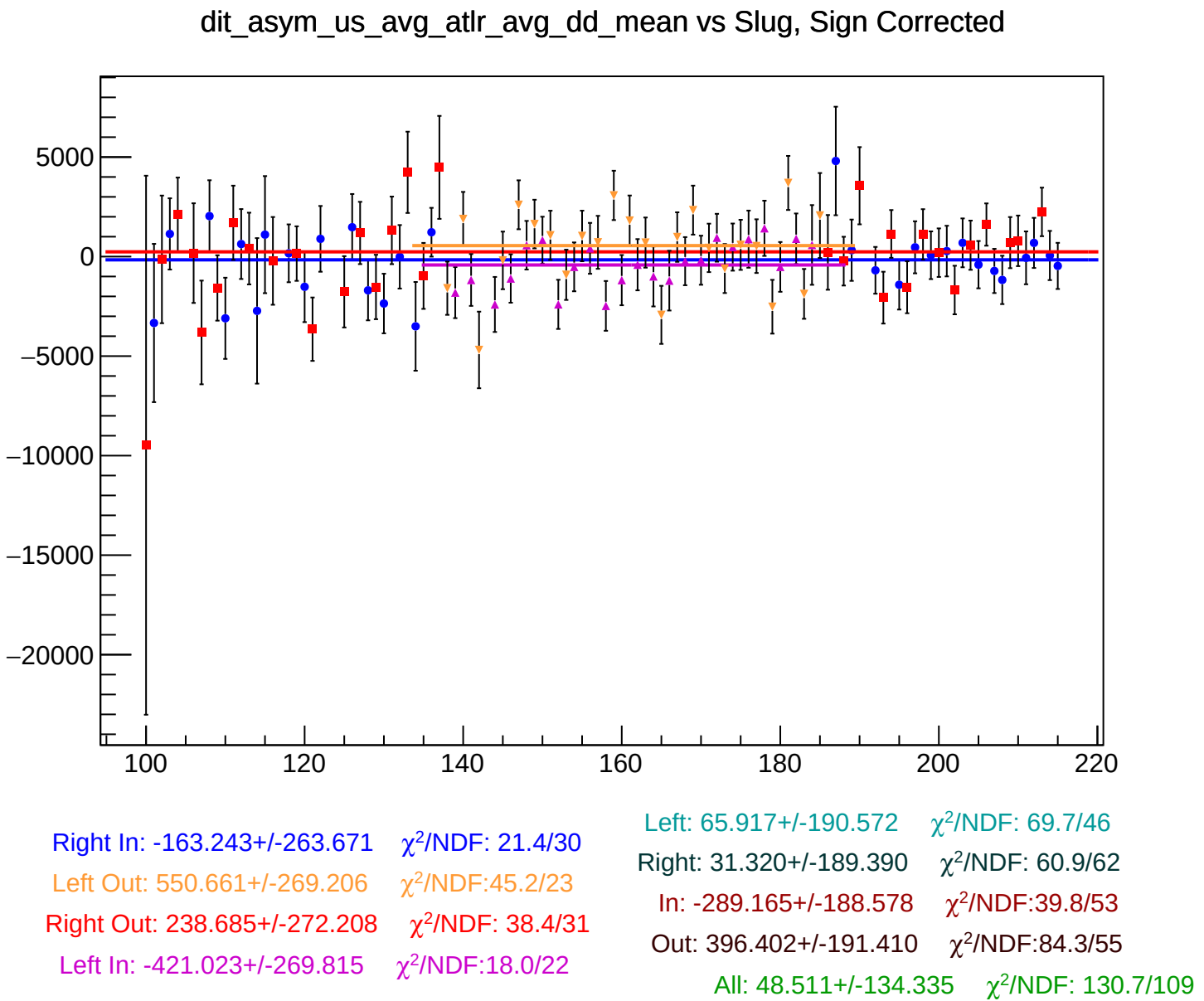
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

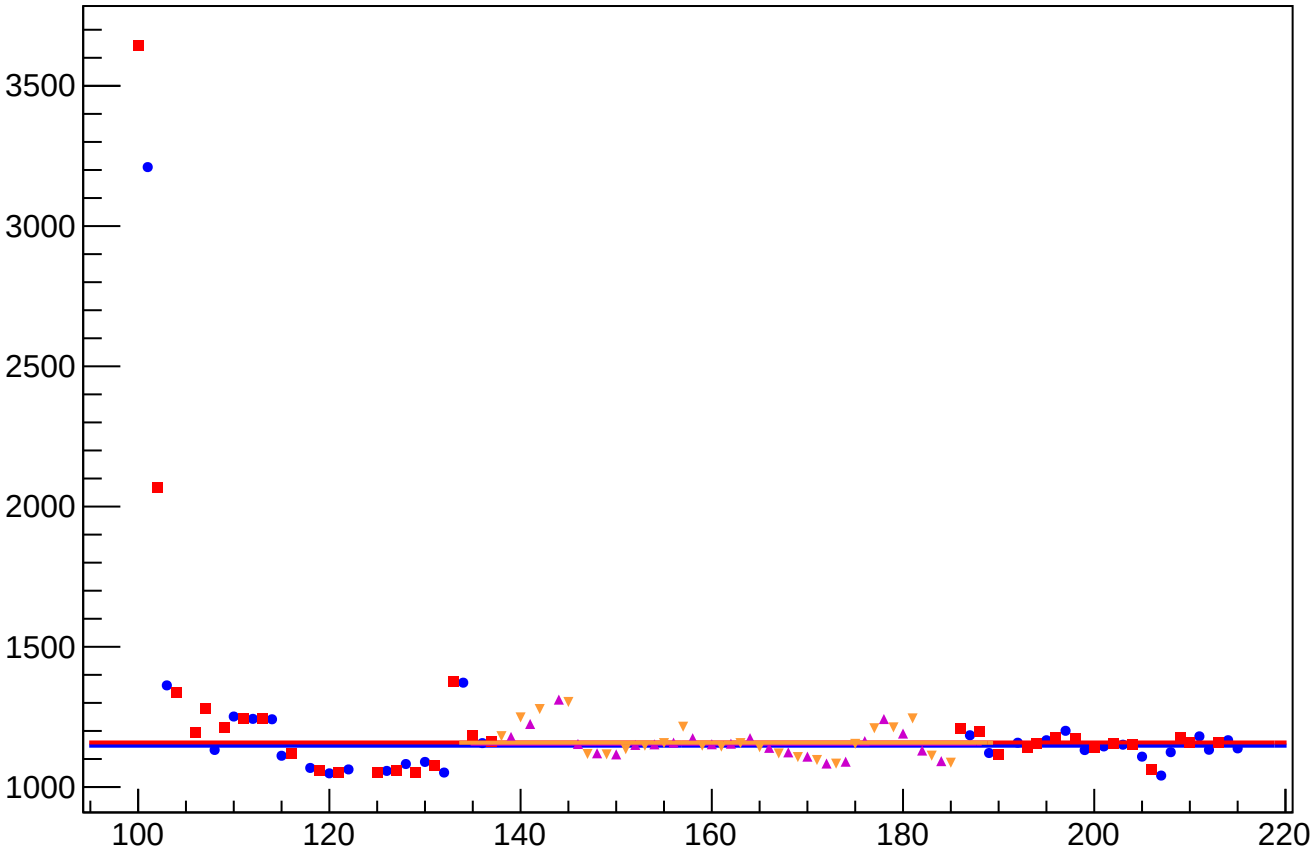
Right: 729.292+/-0.160 χ^2/NDF: 53124479.5/62

In: 1157.637+/-0.217 χ^2/NDF:46183322.4/53

Out: 1026.019+/-0.204 χ^2/NDF:47223572.1/55

All: 1087.704+/-0.149 χ^2/NDF: 93601846.3/1


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -163.243+/-263.671 χ²/NDF: 21.4/30
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: 238.685+/-272.208 χ²/NDF: 38.4/31
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: 31.320+/-189.390 χ²/NDF: 60.9/62
In: -289.165+/-188.578 χ²/NDF:39.8/53
Out: 396.402+/-191.410 χ²/NDF:84.3/55
All: 48.511+/-134.335 χ²/NDF: 130.7/109



Right In: 1147.389+/-0.186 χ^2/NDF: 666500.1/30

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1158.943+/-0.192 χ^2/NDF: 356030.6/31

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

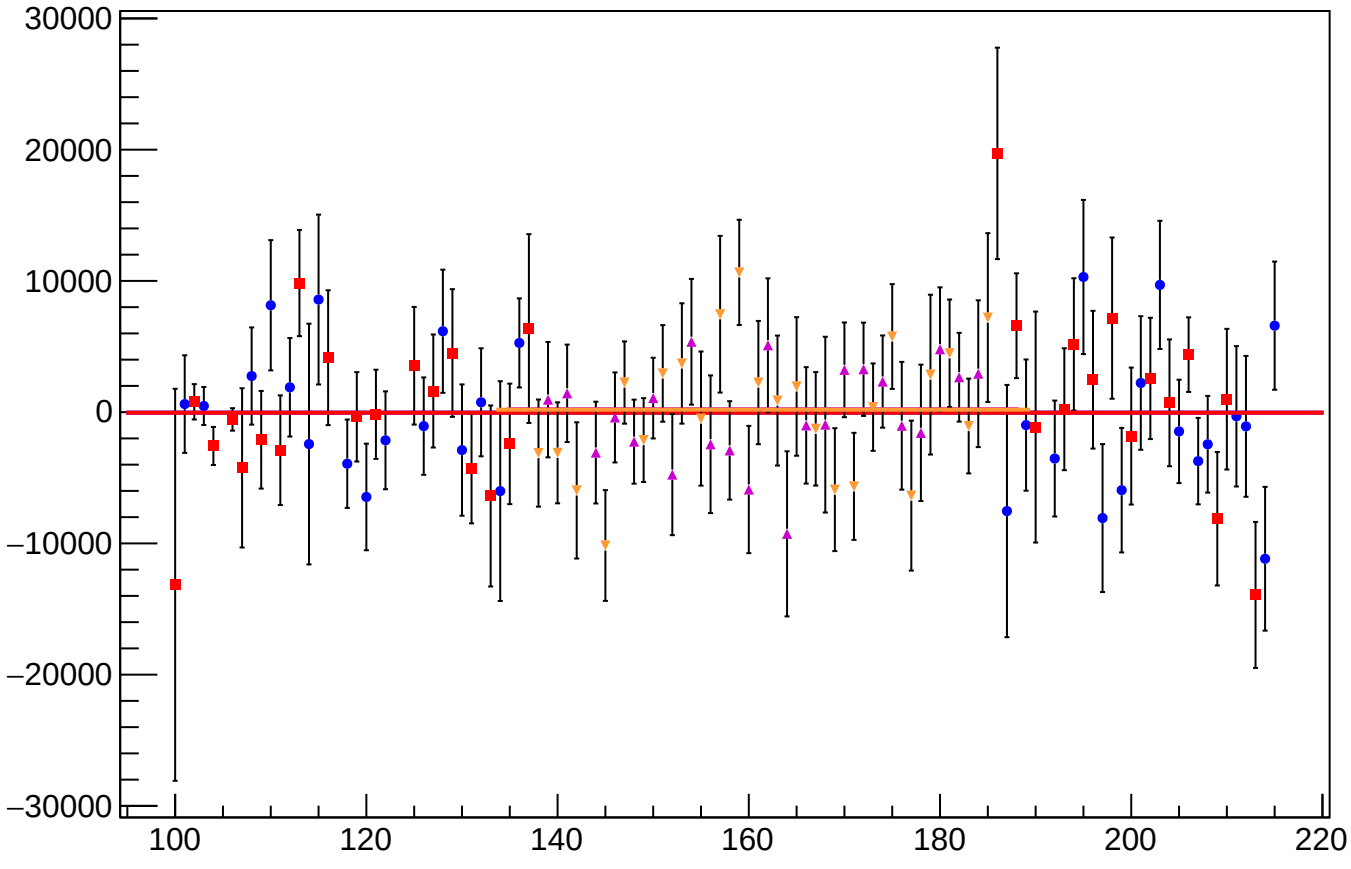
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1152.983+/-0.134 χ^2/NDF: 1024390.2/62

In: 1150.731+/-0.133 χ^2/NDF:733634.9/53

Out: 1158.556+/-0.135 χ^2/NDF:440150.3/55

All: 1154.585+/-0.095 χ^2/NDF: 1175481.6/10



Right In: -35.149+/-712.209 χ^2/NDF: 34.8/30

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -42.207+/-518.571 χ^2/NDF: 40.2/31

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

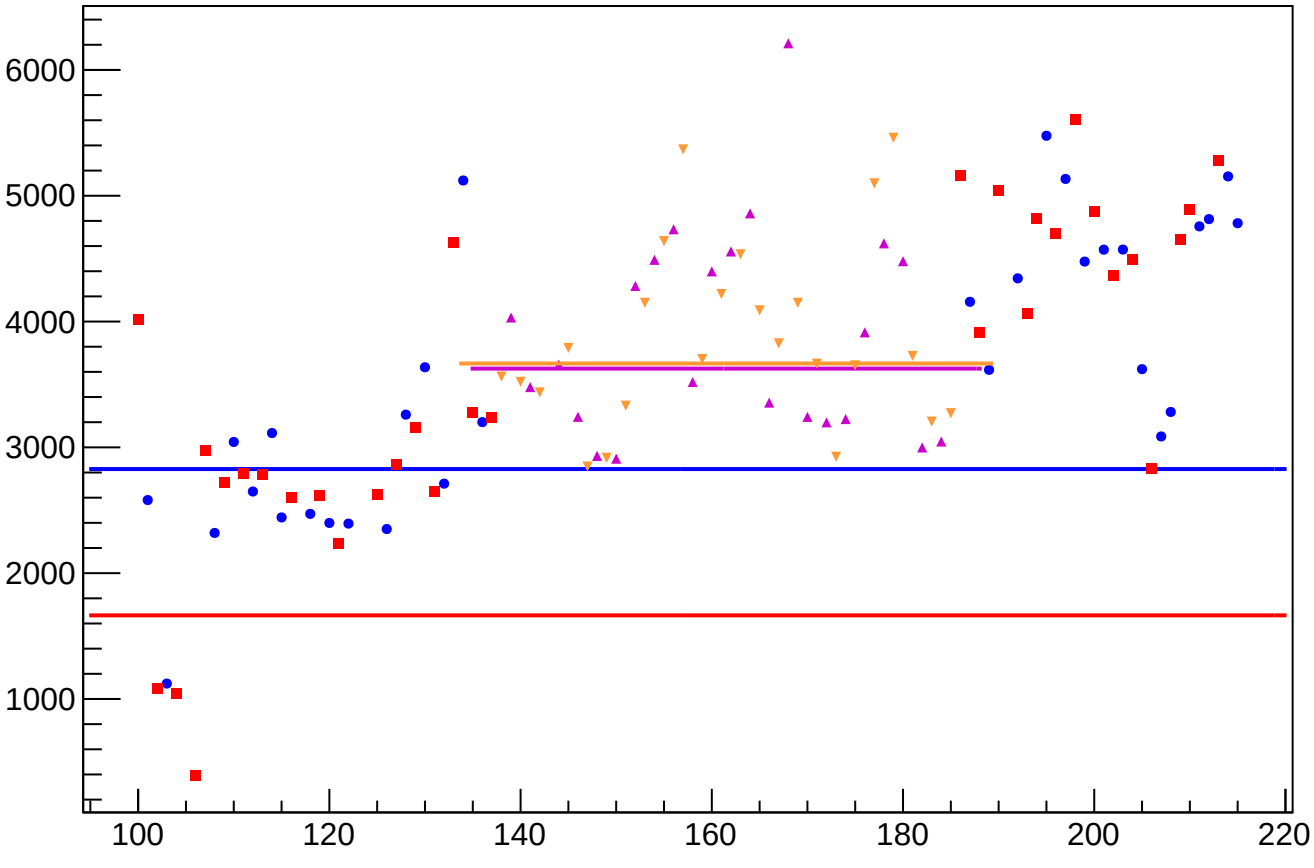
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

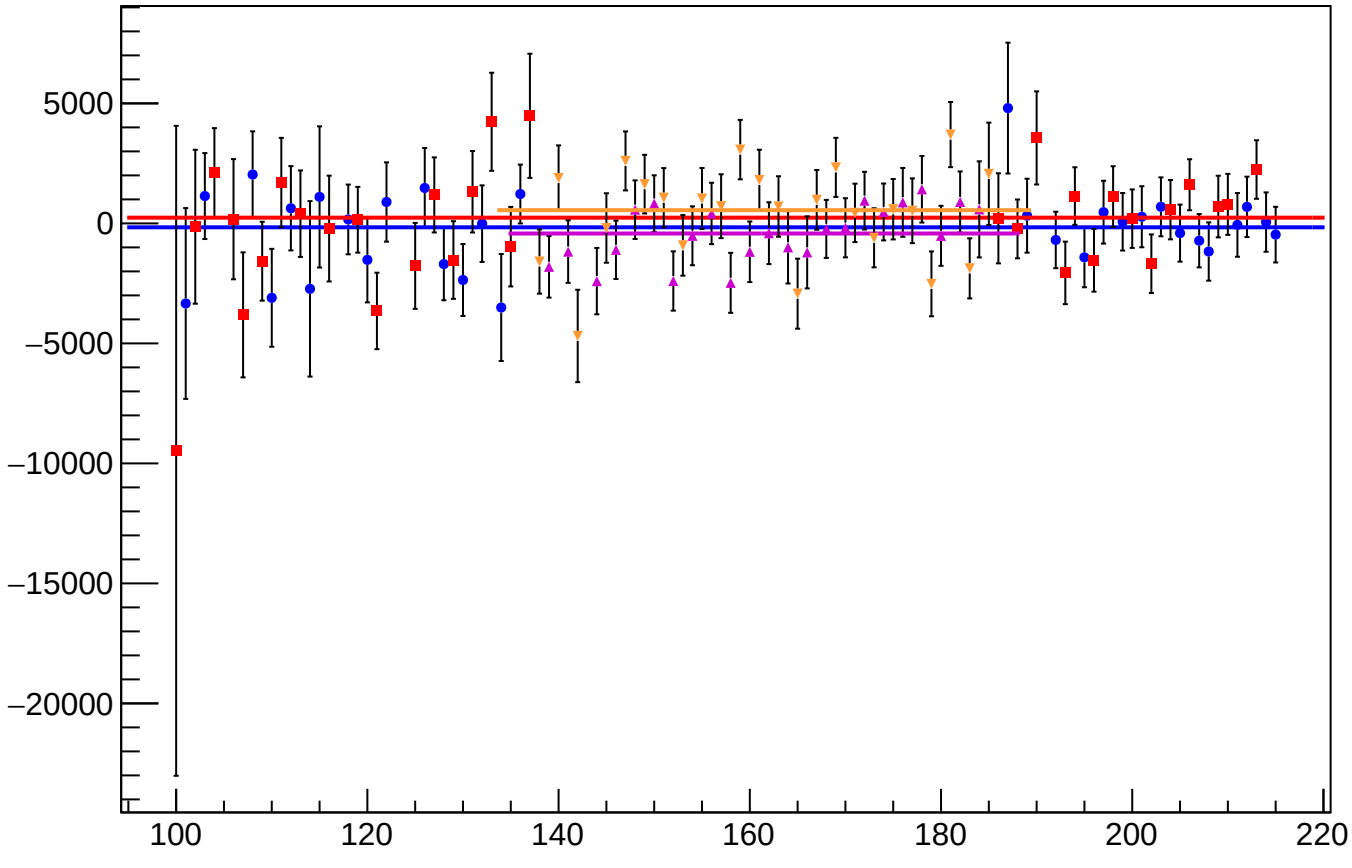
Right: -39.761+/-419.219 χ^2/NDF: 75.0/62

In: 68.520+/-549.763 χ^2/NDF:48.2/53

Out: 18.655+/-445.367 χ^2/NDF:69.5/55

All: 38.413+/-346.060 χ^2/NDF: 117.8/109


asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2827.533+/-0.504 χ²/NDF: 6324315.8/30
Left Out: 3666.536+/-0.615 χ²/NDF:1095831.4/23
Right Out: 1664.606+/-0.367 χ²/NDF: 16174685.5/31
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 2067.526+/-0.296 χ²/NDF: 25983863.5/62
In: 3150.210+/-0.389 χ²/NDF:8598045.0/53
Out: 2189.913+/-0.315 χ²/NDF:25091779.4/55
All: 2570.417+/-0.245 χ²/NDF: 37374150.8/



Right In: -163.240+/-263.671 χ^2/NDF: 21.4/30

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 238.685+/-272.208 χ^2/NDF: 38.4/31

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

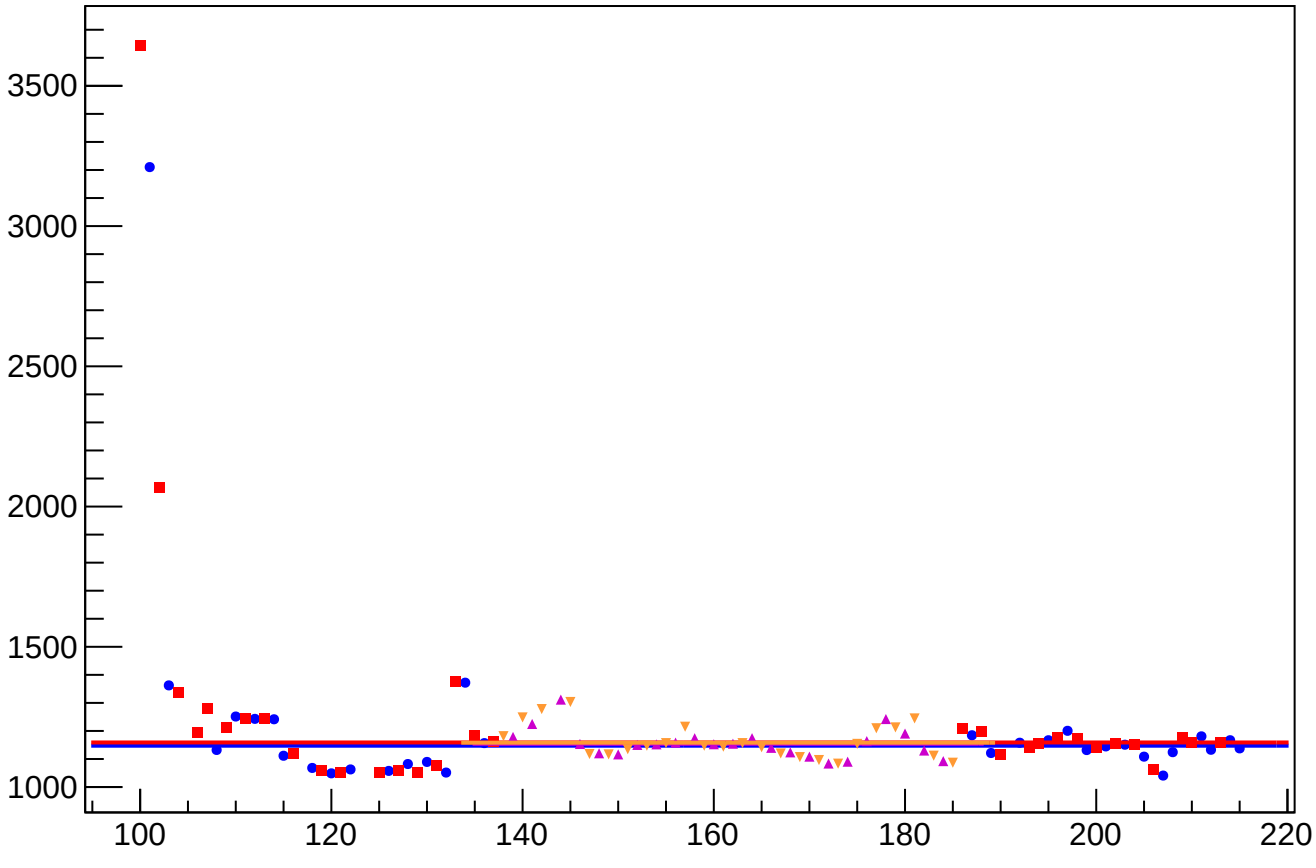
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: 31.321+/-189.390 χ^2/NDF: 60.9/62

In: -289.163+/-188.578 χ^2/NDF:39.8/53

Out: 396.403+/-191.410 χ^2/NDF:84.3/55

All: 48.512+/-134.335 χ^2/NDF: 130.7/109



Right In: 1147.388+/-0.186 χ^2/NDF: 666500.5/30

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1158.943+/-0.192 χ^2/NDF: 356030.4/31

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

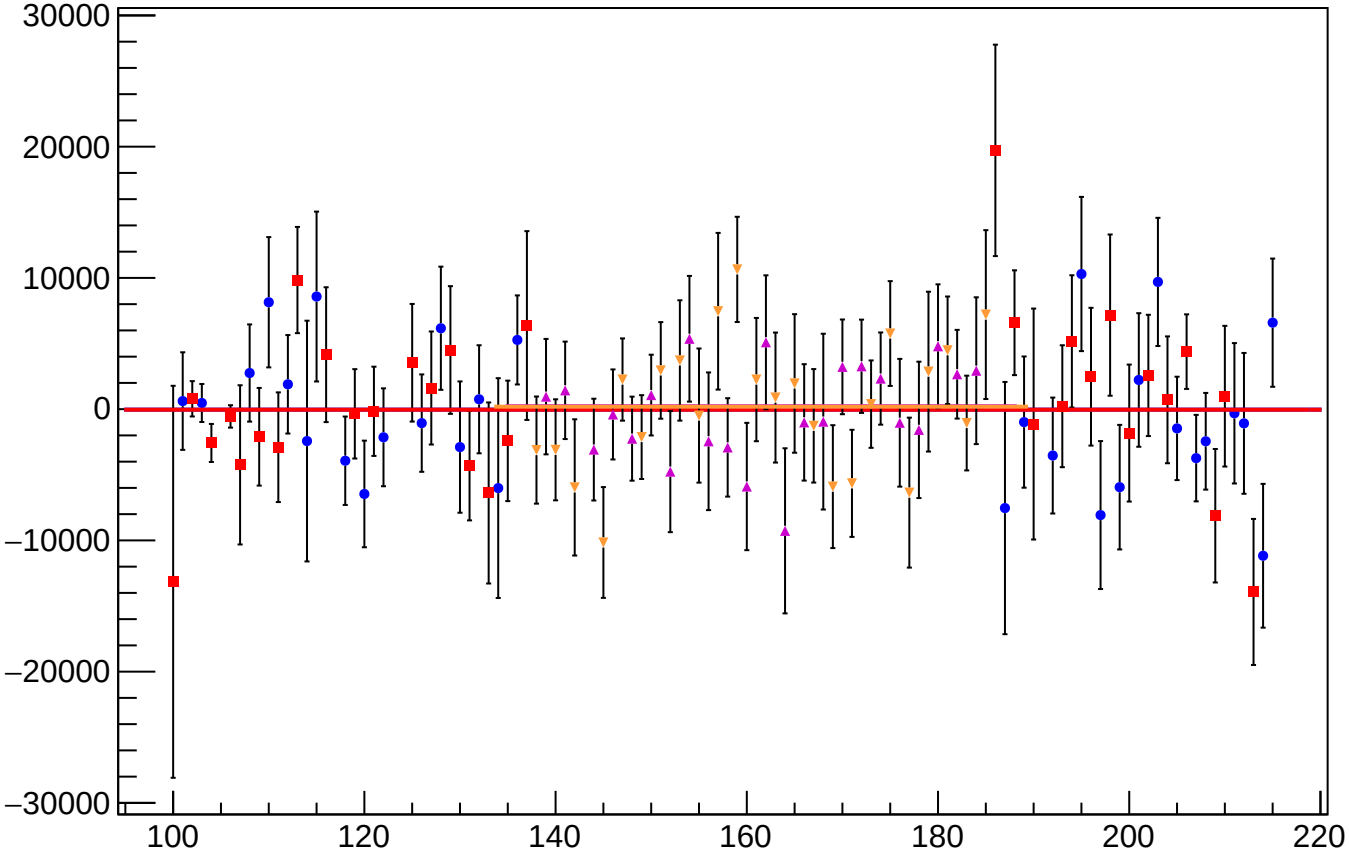
Right: 1152.983+/-0.134 χ^2/NDF: 1024390.4/62

In: 1150.731+/-0.133 χ^2/NDF:733638.1/53

Out: 1158.556+/-0.135 χ^2/NDF:440152.6/55

All: 1154.586+/-0.095 χ^2/NDF: 1175487.0/10

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -35.151+/-712.208 χ^2/NDF: 34.8/30

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -42.215+/-518.565 χ^2/NDF: 40.2/31

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

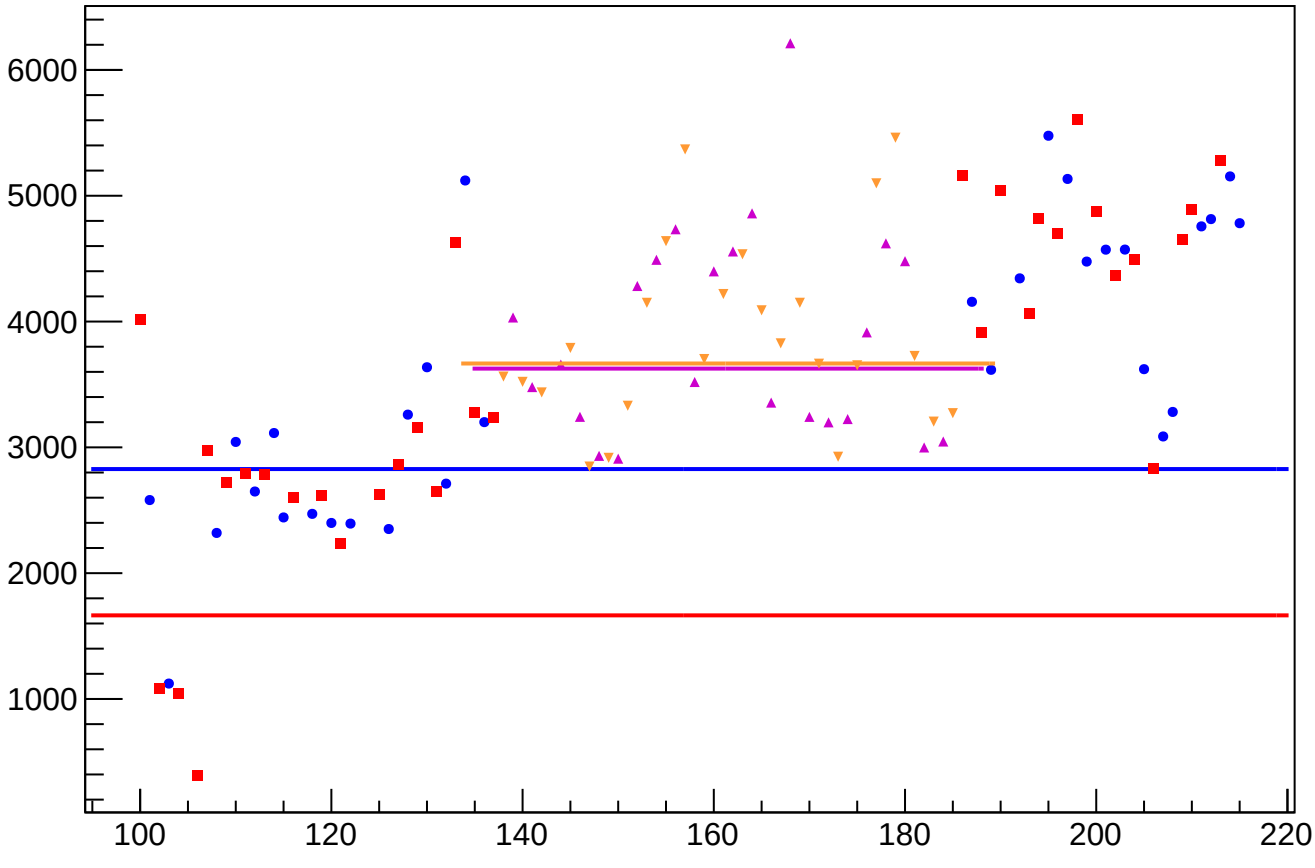
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: -39.768+/-419.216 χ^2/NDF: 75.0/62

In: 68.519+/-549.763 χ^2/NDF:48.2/53

Out: 18.648+/-445.364 χ^2/NDF:69.5/55

All: 38.408+/-346.059 χ^2/NDF: 117.8/109



Right In: 2827.530+/-0.504 χ^2/NDF: 6324345.0/30

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1664.576+/-0.367 χ^2/NDF: 16175006.7/31

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

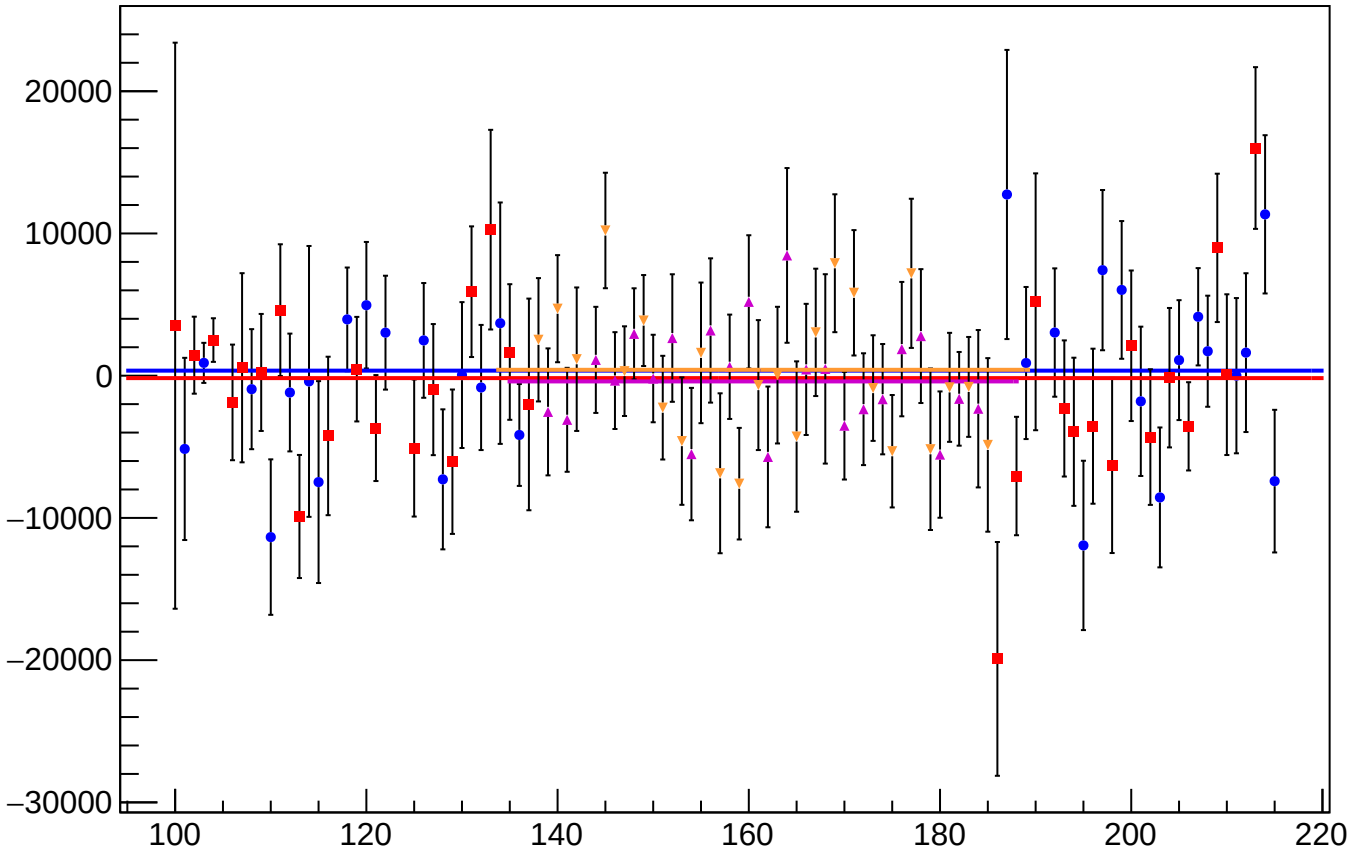
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 2067.500+/-0.296 χ^2/NDF: 25984401.5/62

In: 3150.210+/-0.389 χ^2/NDF:8598096.6/53

Out: 2189.884+/-0.315 χ^2/NDF:25092399.5/55

All: 2570.396+/-0.245 χ^2/NDF: 37375063.3/1



Right In: 354.518+/-745.681 χ^2/NDF: 34.2/30

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -170.834+/-746.785 χ^2/NDF: 42.1/31

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

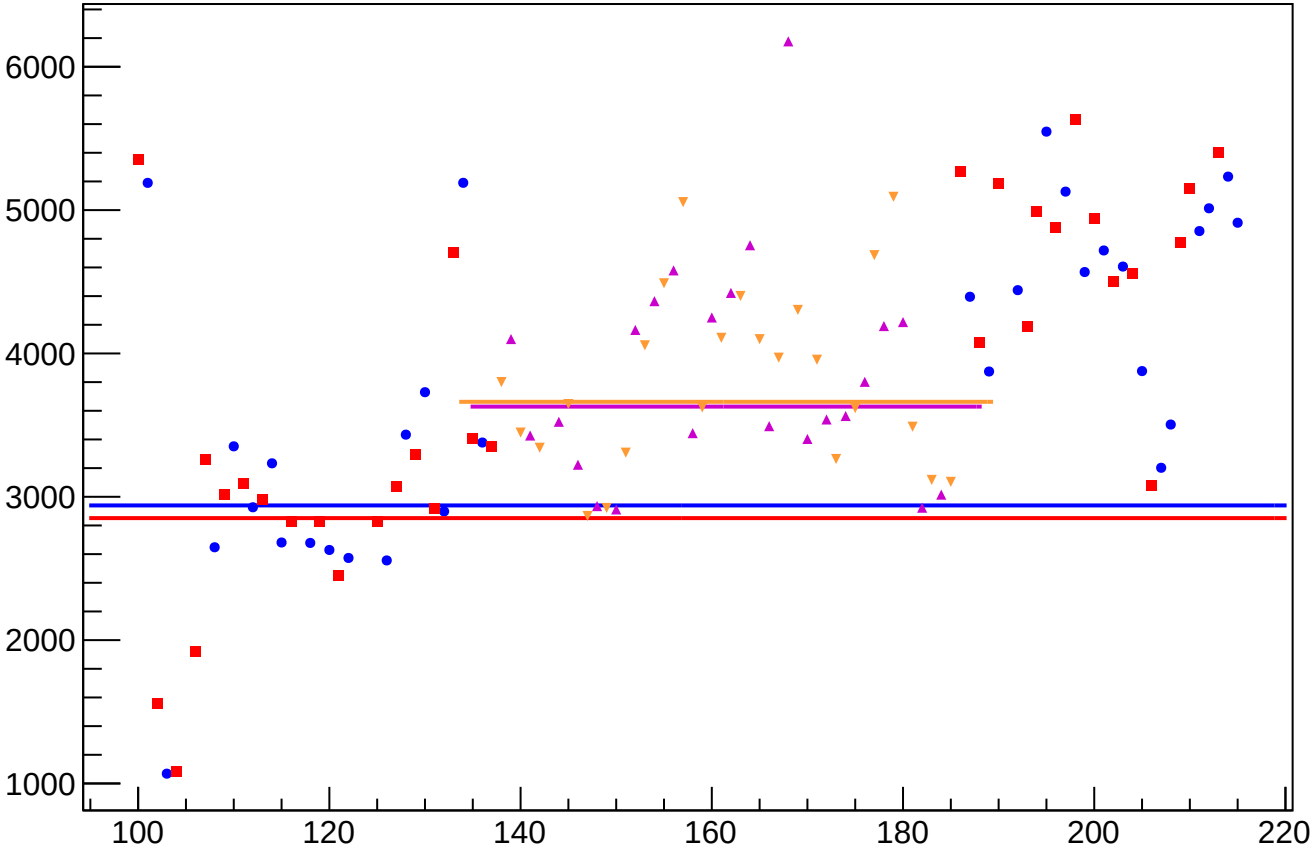
Right: 92.230+/-527.666 χ^2/NDF: 76.5/62

In: 30.237+/-564.074 χ^2/NDF:46.9/53

Out: 78.593+/-565.361 χ^2/NDF:69.5/55

All: 54.360+/-399.315 χ^2/NDF: 116.4/109

asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected



Right In: 2939.732+/-0.527 χ^2/NDF: 7114094.9/30

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2851.290+/-0.527 χ^2/NDF: 6970934.7/31

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

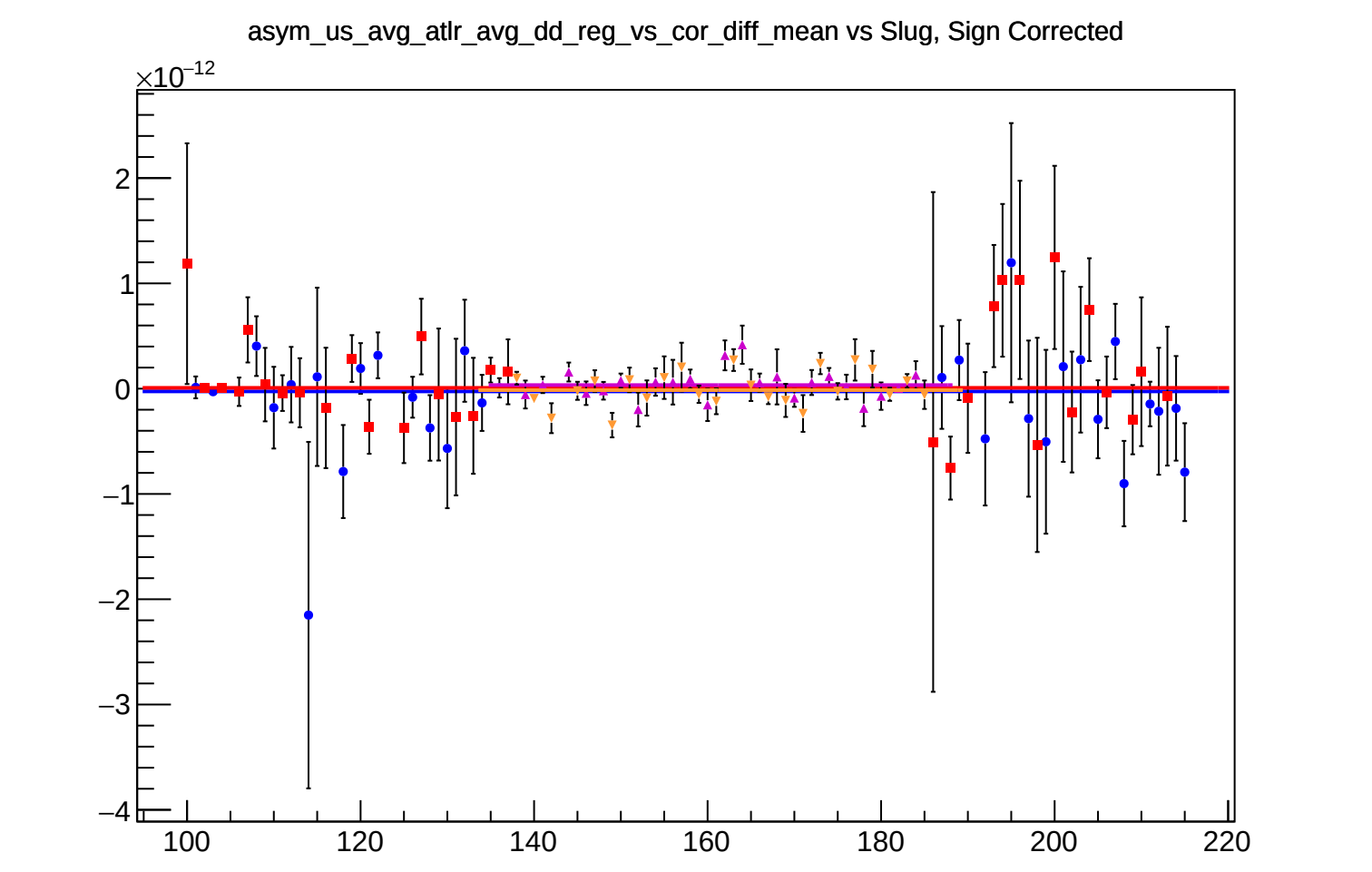
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2895.503+/-0.373 χ^2/NDF: 14099099.8/62

In: 3234.663+/-0.399 χ^2/NDF:8900434.1/53

Out: 3196.973+/-0.399 χ^2/NDF:8873612.6/55

All: 3215.843+/-0.282 χ^2/NDF: 17778505.4/1



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/31

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

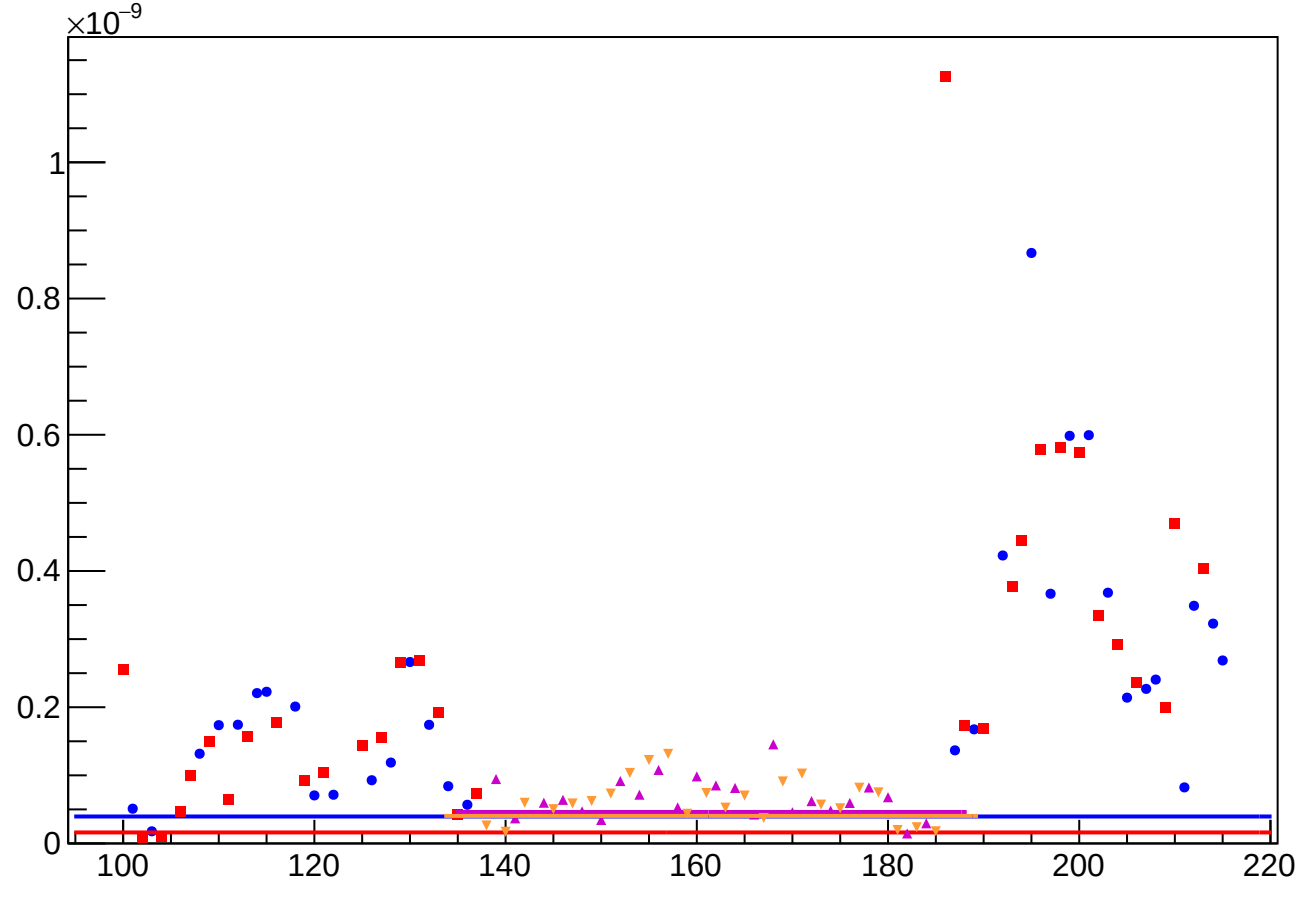
Right: -0.000+/-0.000 χ^2/NDF: 59.3/62

In: 0.000+/-0.000 χ^2/NDF:53.0/53

Out: -0.000+/-0.000 χ^2/NDF:77.4/55

All: 0.000+/-0.000 χ^2/NDF: 130.7/109

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10700359.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12757768.2/31

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

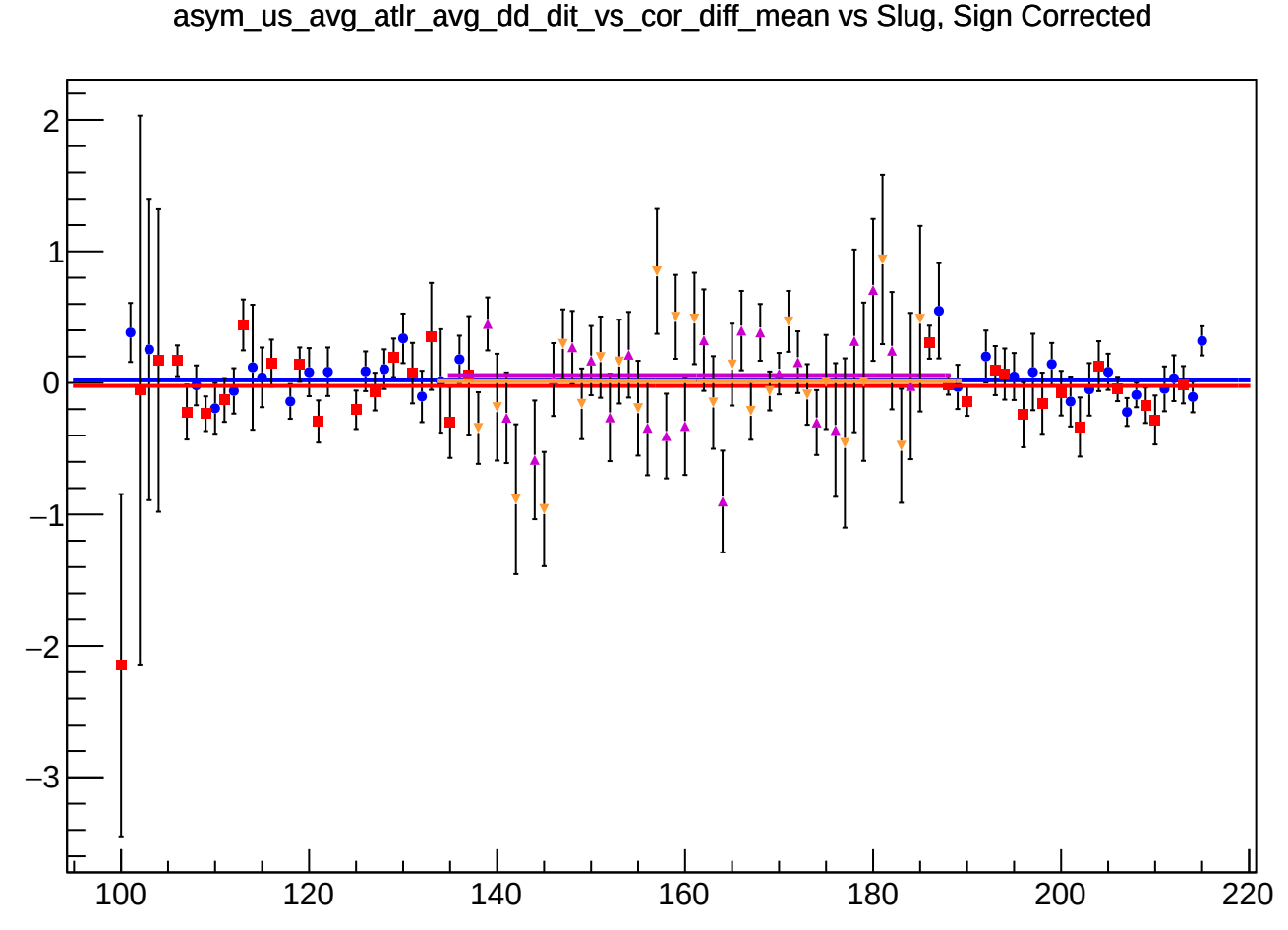
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 24767680.1/62

In: 0.000+/-0.000 χ^2/NDF:13739719.2/53

Out: 0.000+/-0.000 χ^2/NDF:18271473.0/55

All: 0.000+/-0.000 χ^2/NDF: 33719807.2/109



Right In: 0.020+/-0.030 χ^2/NDF: 30.5/30

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.023+/-0.028 χ^2/NDF: 41.8/31

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

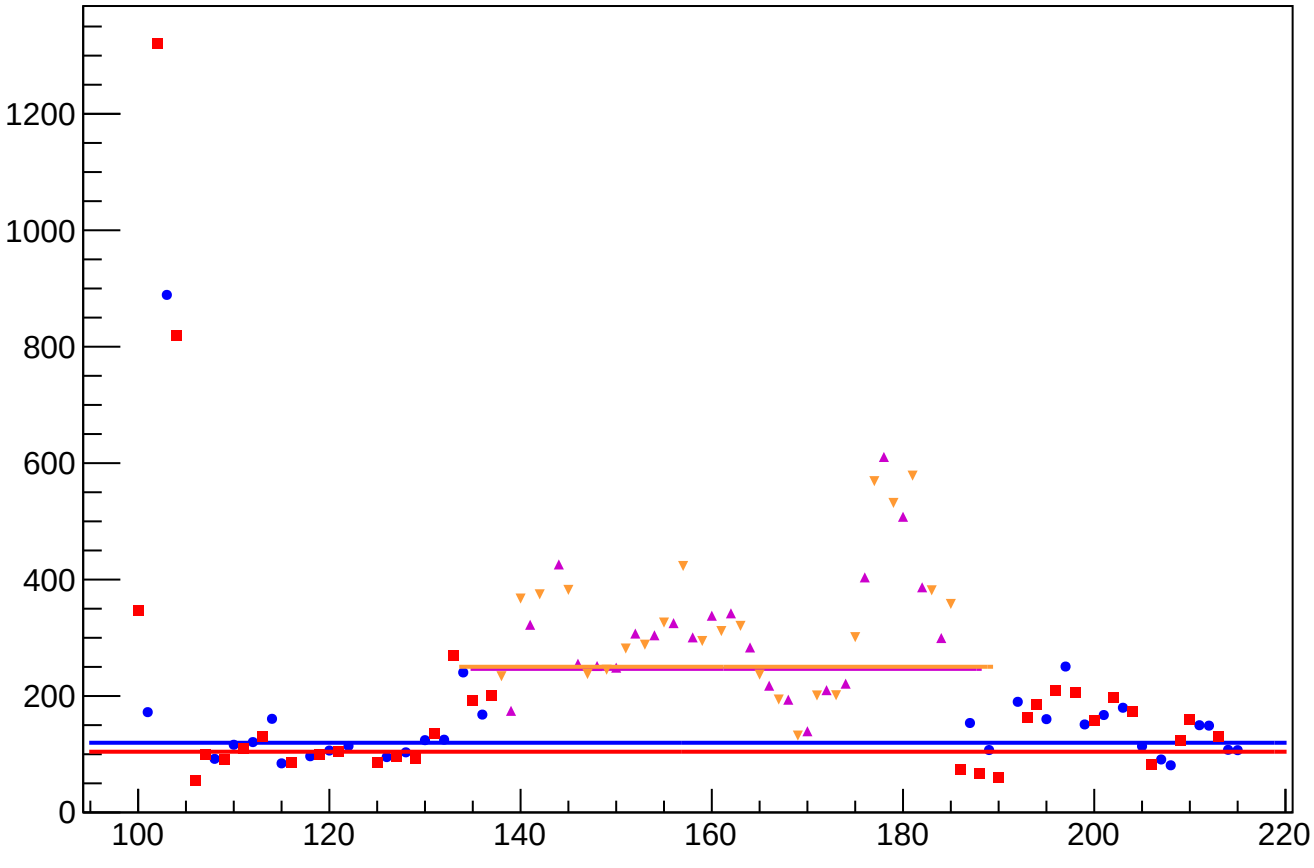
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.003+/-0.020 χ^2/NDF: 73.3/62

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: 0.004+/-0.019 χ^2/NDF: 131.5/109



Right In: 119.721+/-0.021 χ^2/NDF: 3462882.6/30

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 104.316+/-0.020 χ^2/NDF: 6123381.5/31

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

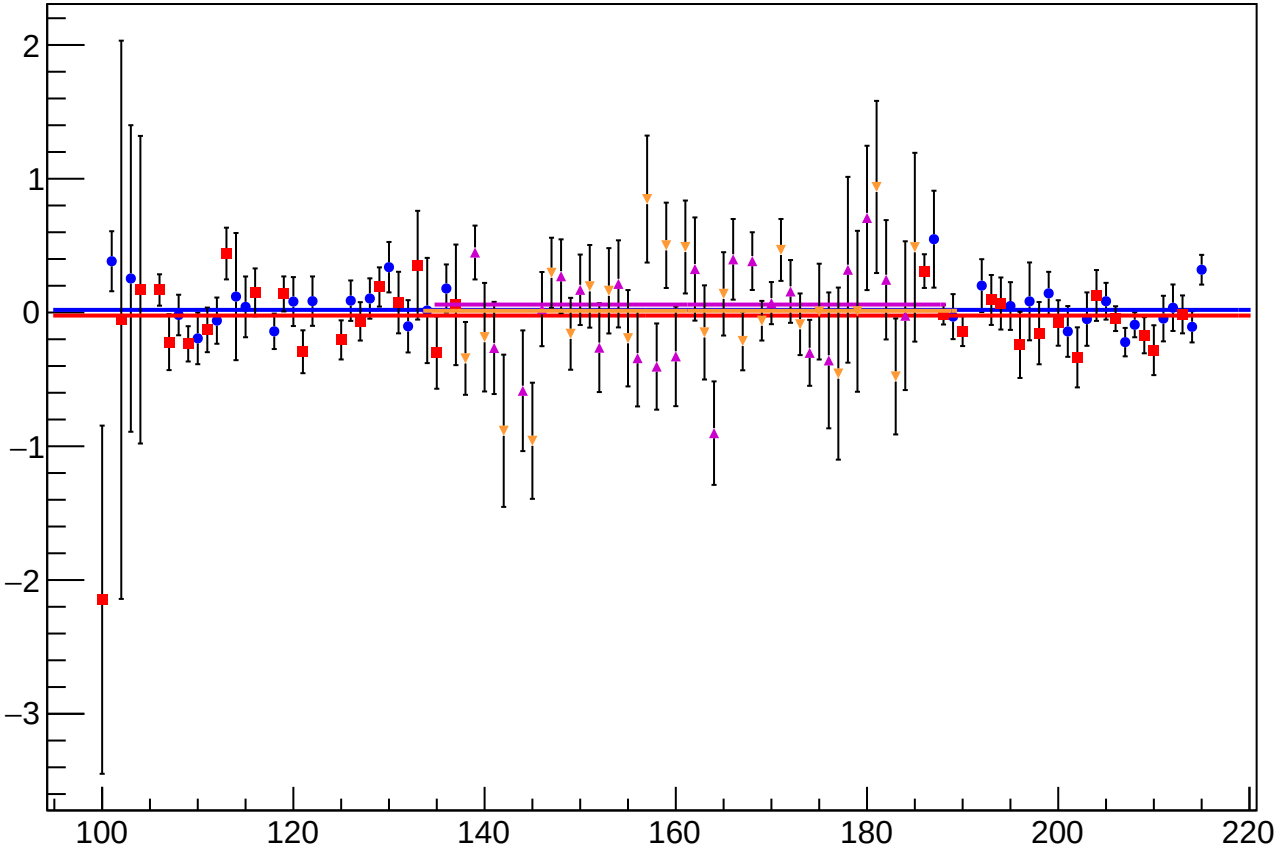
Right: 111.519+/-0.014 χ^2/NDF: 9870545.9/62

In: 143.551+/-0.019 χ^2/NDF:14039938.2/53

Out: 128.295+/-0.018 χ^2/NDF:19442006.9/55

All: 135.536+/-0.013 χ^2/NDF: 33820631.3/10

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.030 χ^2/NDF: 30.5/30

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.023+/-0.028 χ^2/NDF: 41.8/31

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

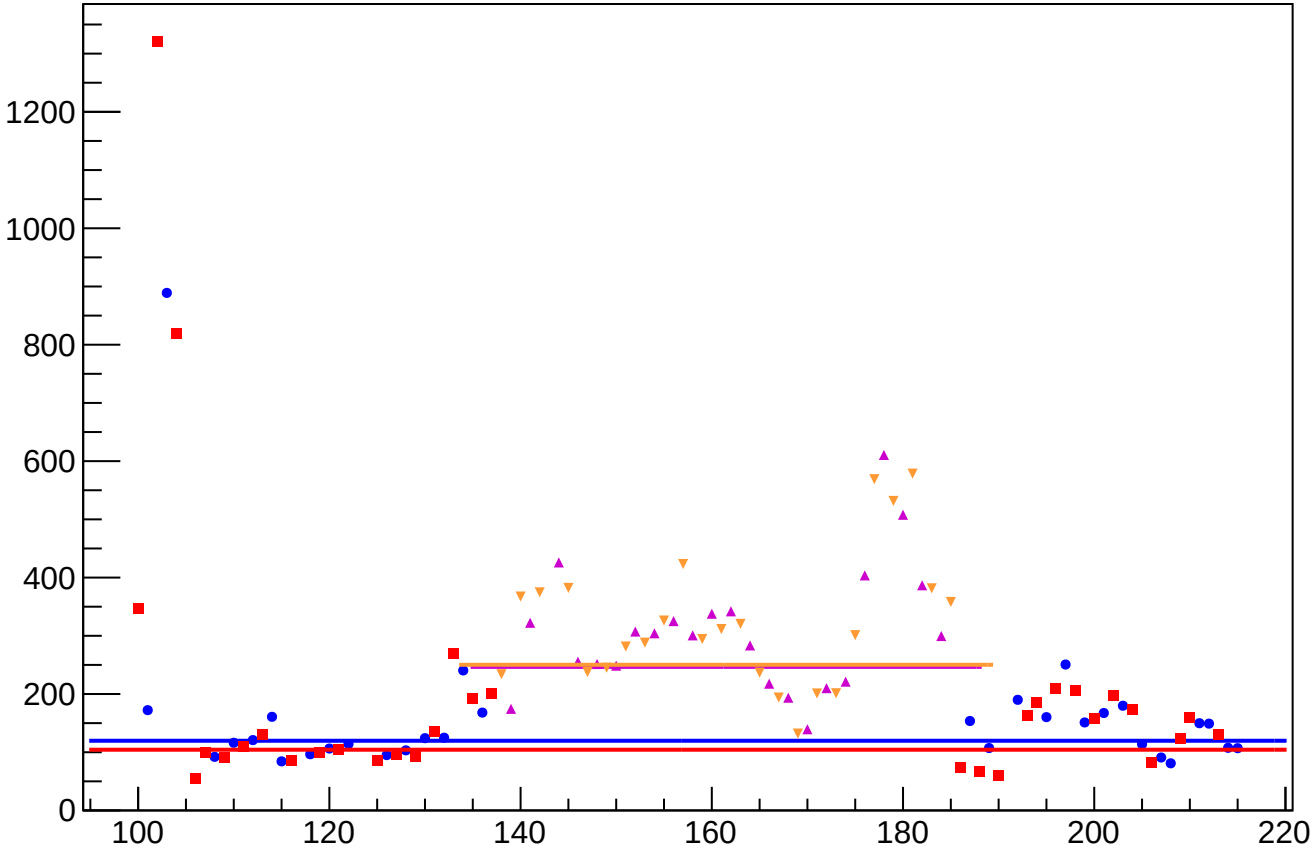
Right: -0.003+/-0.020 χ^2/NDF: 73.3/62

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: 0.004+/-0.019 χ^2/NDF: 131.5/109

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.721+/-0.021 χ^2/NDF: 3462882.6/30

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 104.316+/-0.020 χ^2/NDF: 6123381.5/31

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

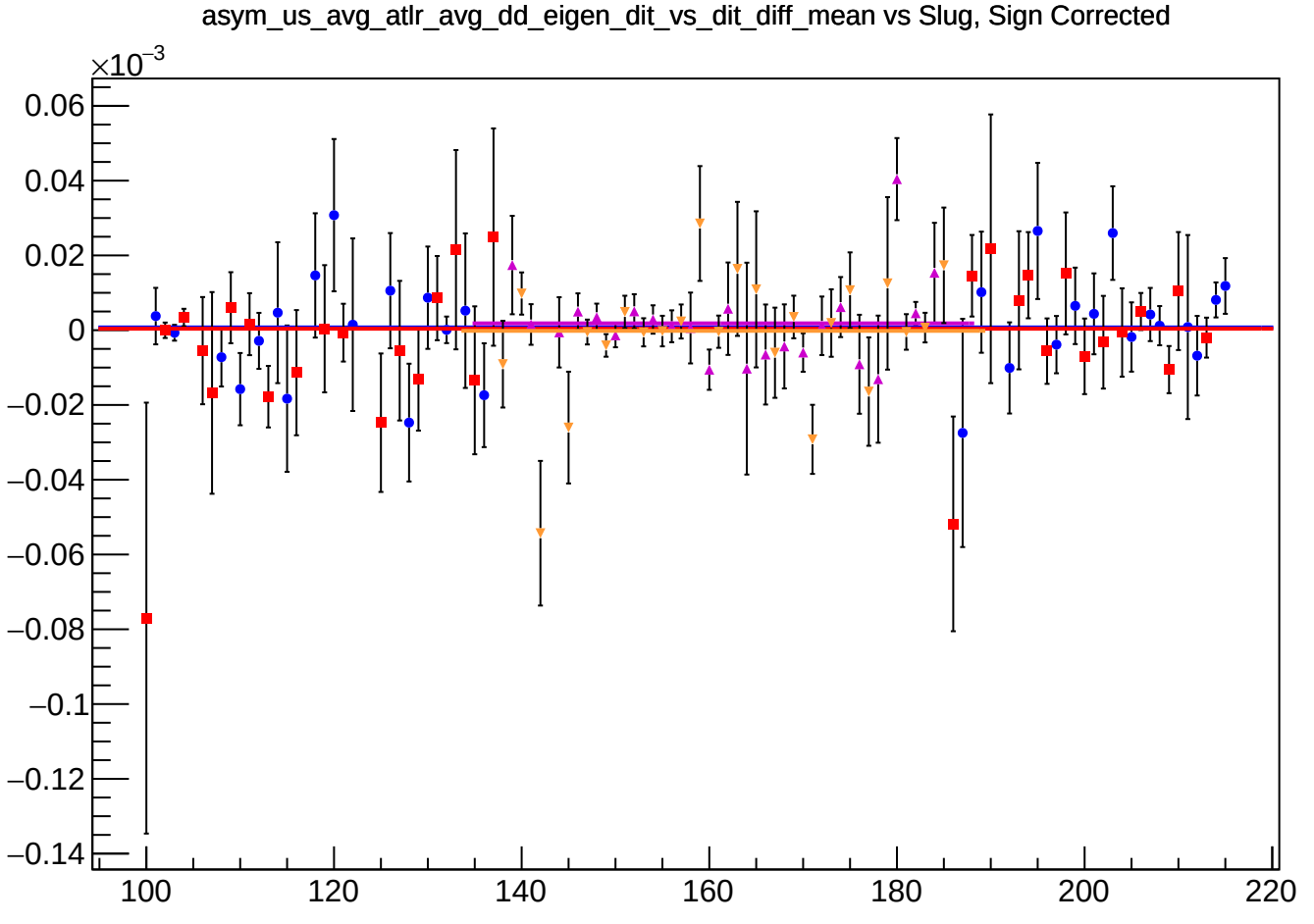
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 111.519+/-0.014 χ^2/NDF: 9870545.9/62

In: 143.551+/-0.019 χ^2/NDF:14039938.2/53

Out: 128.295+/-0.018 χ^2/NDF:19442006.9/55

All: 135.536+/-0.013 χ^2/NDF: 33820631.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/31

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

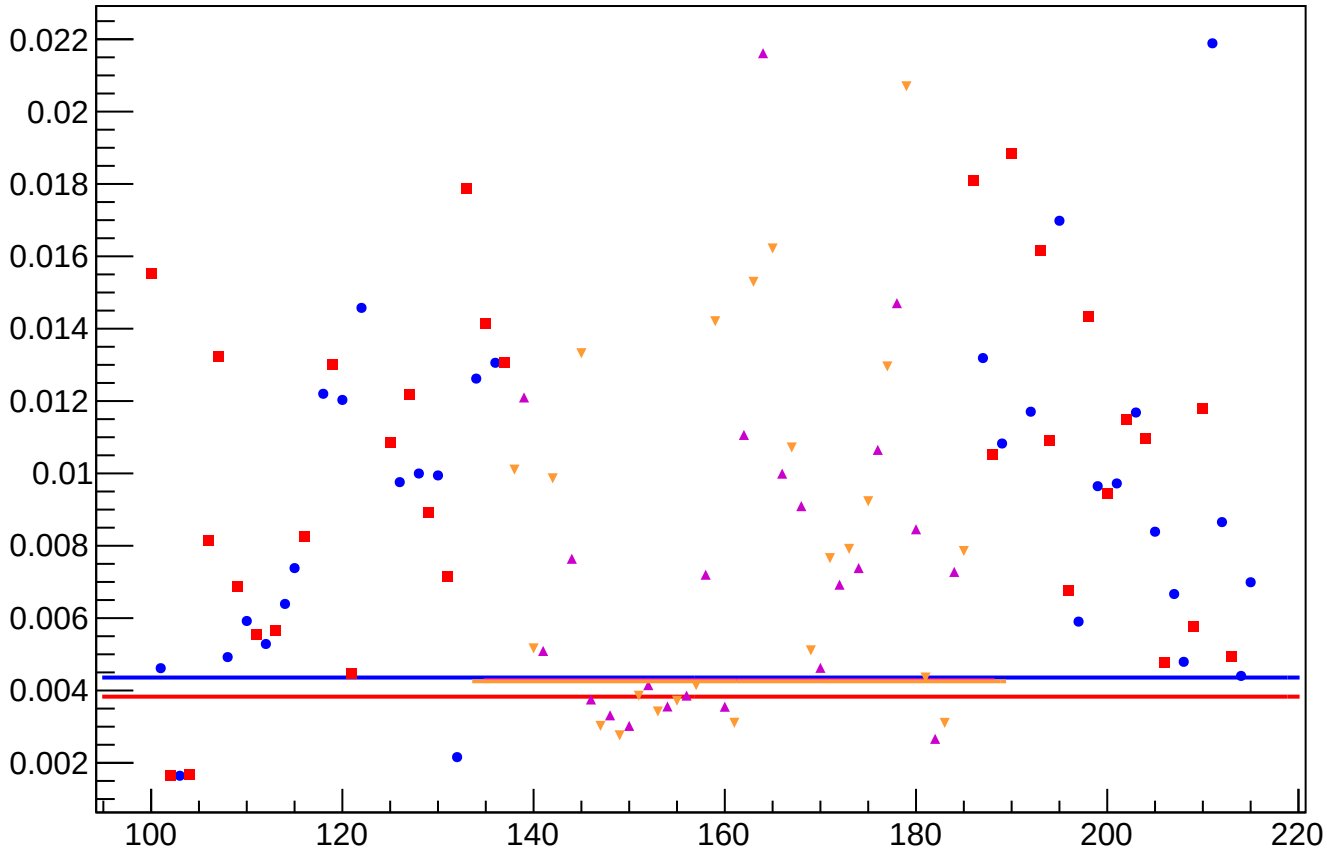
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

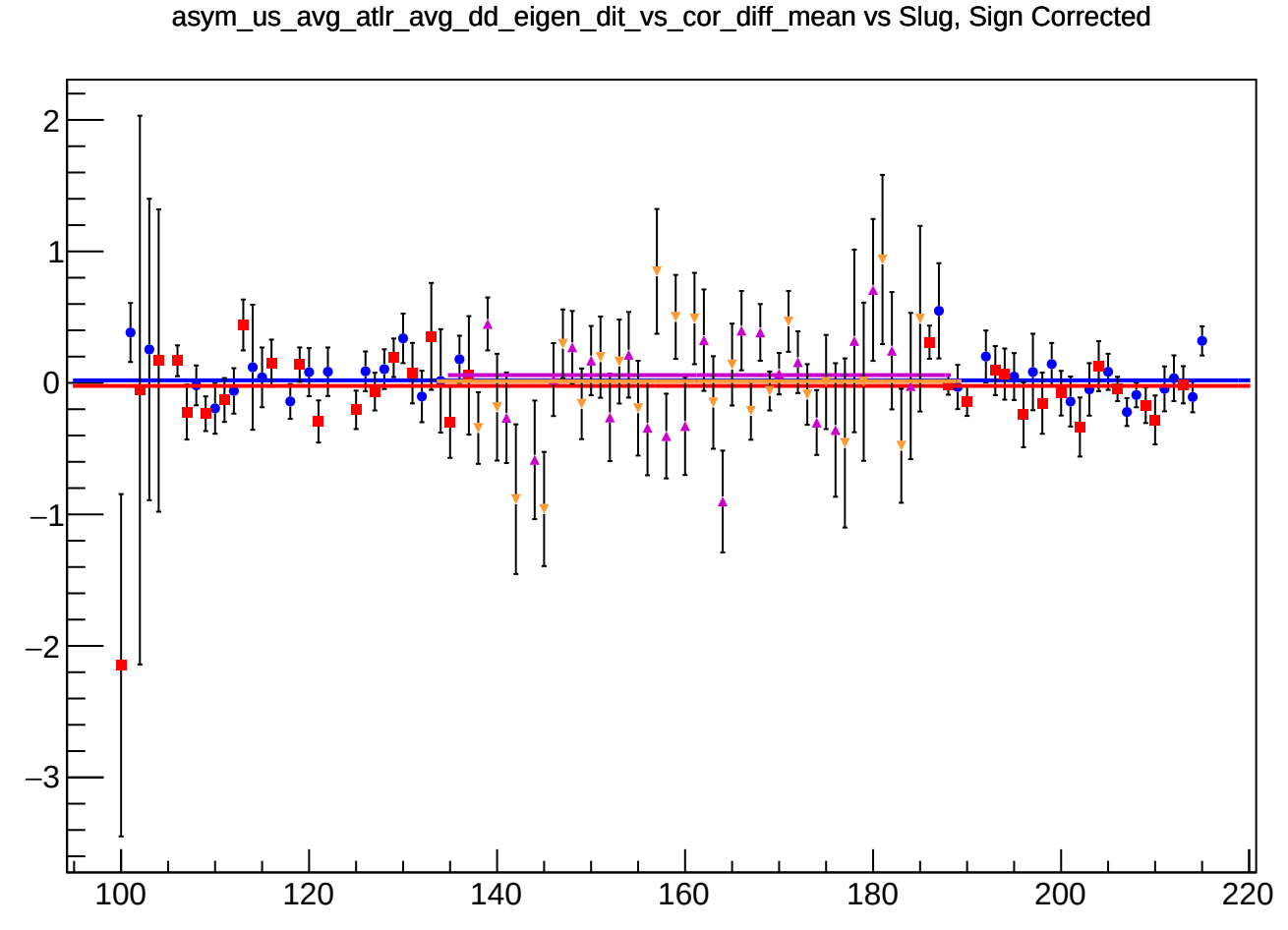
Right: 0.000+/-0.000 χ^2/NDF: 56.7/62

In: 0.000+/-0.000 χ^2/NDF:56.8/53

Out: 0.000+/-0.000 χ^2/NDF:65.8/55

All: 0.000+/-0.000 χ^2/NDF: 123.6/109


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.004+/-0.000 χ²/NDF: 13454912.0/30
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
Right Out: 0.004+/-0.000 χ²/NDF: 15232552.3/31
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
Left: 0.004+/-0.000 χ²/NDF: 15092064.0/46
Right: 0.004+/-0.000 χ²/NDF: 28865123.1/62
In: 0.004+/-0.000 χ²/NDF:20056566.6/53
Out: 0.004+/-0.000 χ²/NDF:23852239.2/55
All: 0.004+/-0.000 χ²/NDF: 44008480.1/109



Right In: 0.020+/-0.030 χ^2/NDF: 30.5/30

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.023+/-0.028 χ^2/NDF: 41.8/31

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

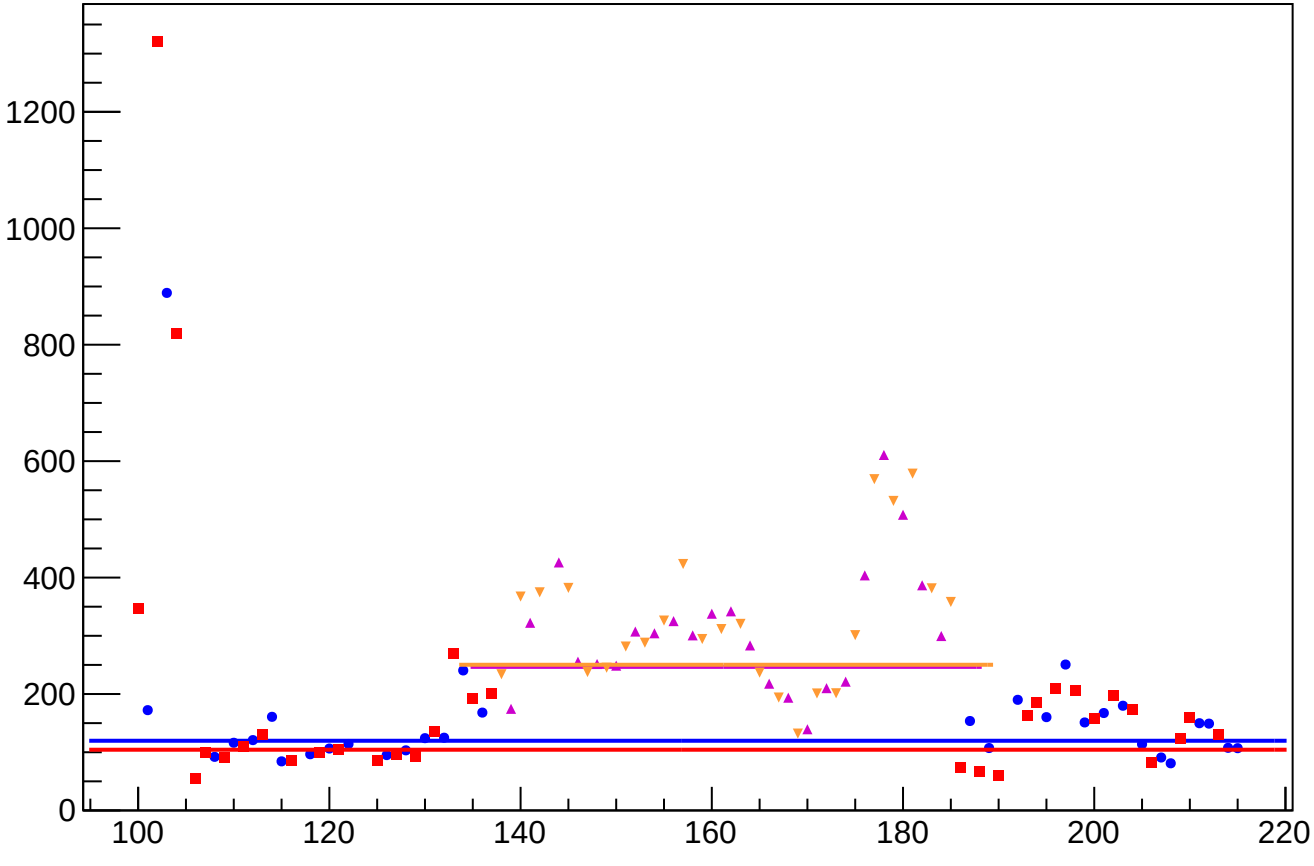
Right: -0.003+/-0.020 χ^2/NDF: 73.3/62

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.017+/-0.026 χ^2/NDF:71.4/55

All: 0.004+/-0.019 χ^2/NDF: 131.5/109

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.720+/-0.021 χ^2/NDF: 3462969.3/30

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 104.312+/-0.020 χ^2/NDF: 6123958.2/31

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

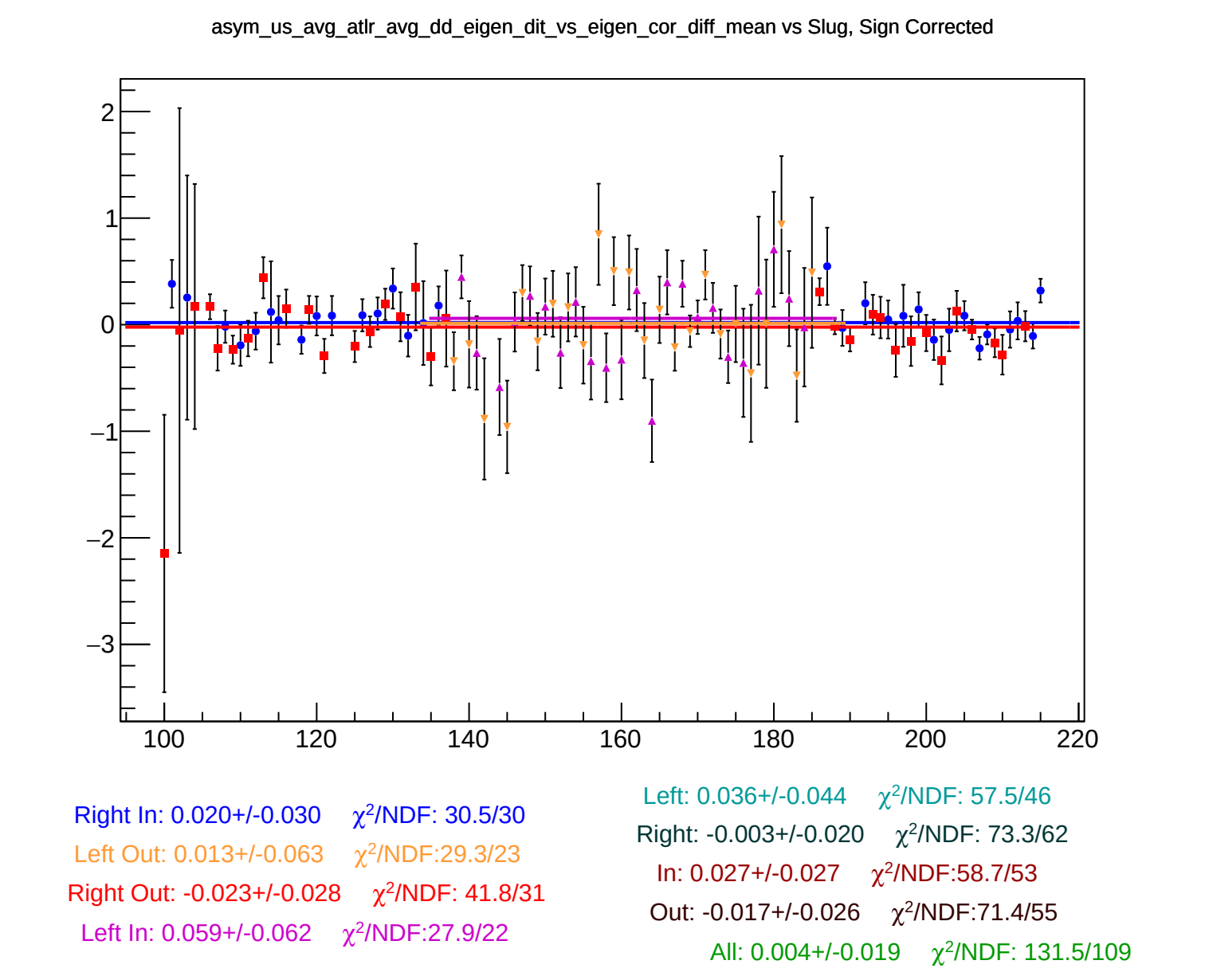
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 111.516+/-0.014 χ^2/NDF: 9871323.8/62

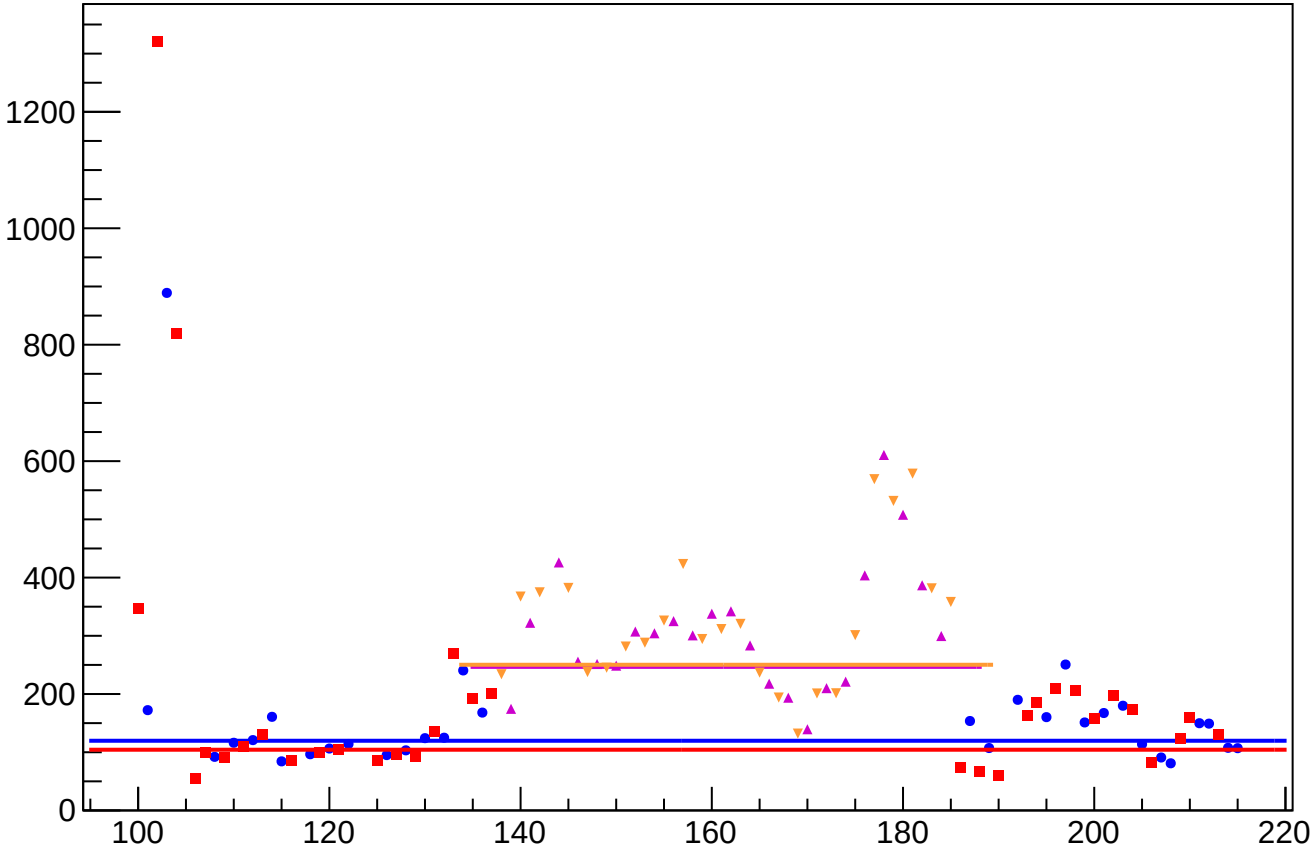
In: 143.549+/-0.019 χ^2/NDF:14040332.7/53

Out: 128.290+/-0.018 χ^2/NDF:19443314.3/55

All: 135.533+/-0.013 χ^2/NDF: 33822488.6/10


asym_us_avg_atlr_avg_dd_eigen_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: 0.020+/-0.030 χ²/NDF: 30.5/30
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.023+/-0.028 χ²/NDF: 41.8/31
Left In: 0.059+/-0.062 χ²/NDF:27.9/22
Left: 0.036+/-0.044 χ²/NDF: 57.5/46
Right: -0.003+/-0.020 χ²/NDF: 73.3/62
In: 0.027+/-0.027 χ²/NDF:58.7/53
Out: -0.017+/-0.026 χ²/NDF:71.4/55
All: 0.004+/-0.019 χ²/NDF: 131.5/109

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.720+/-0.021 χ^2/NDF: 3462969.3/30

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 104.312+/-0.020 χ^2/NDF: 6123958.2/31

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

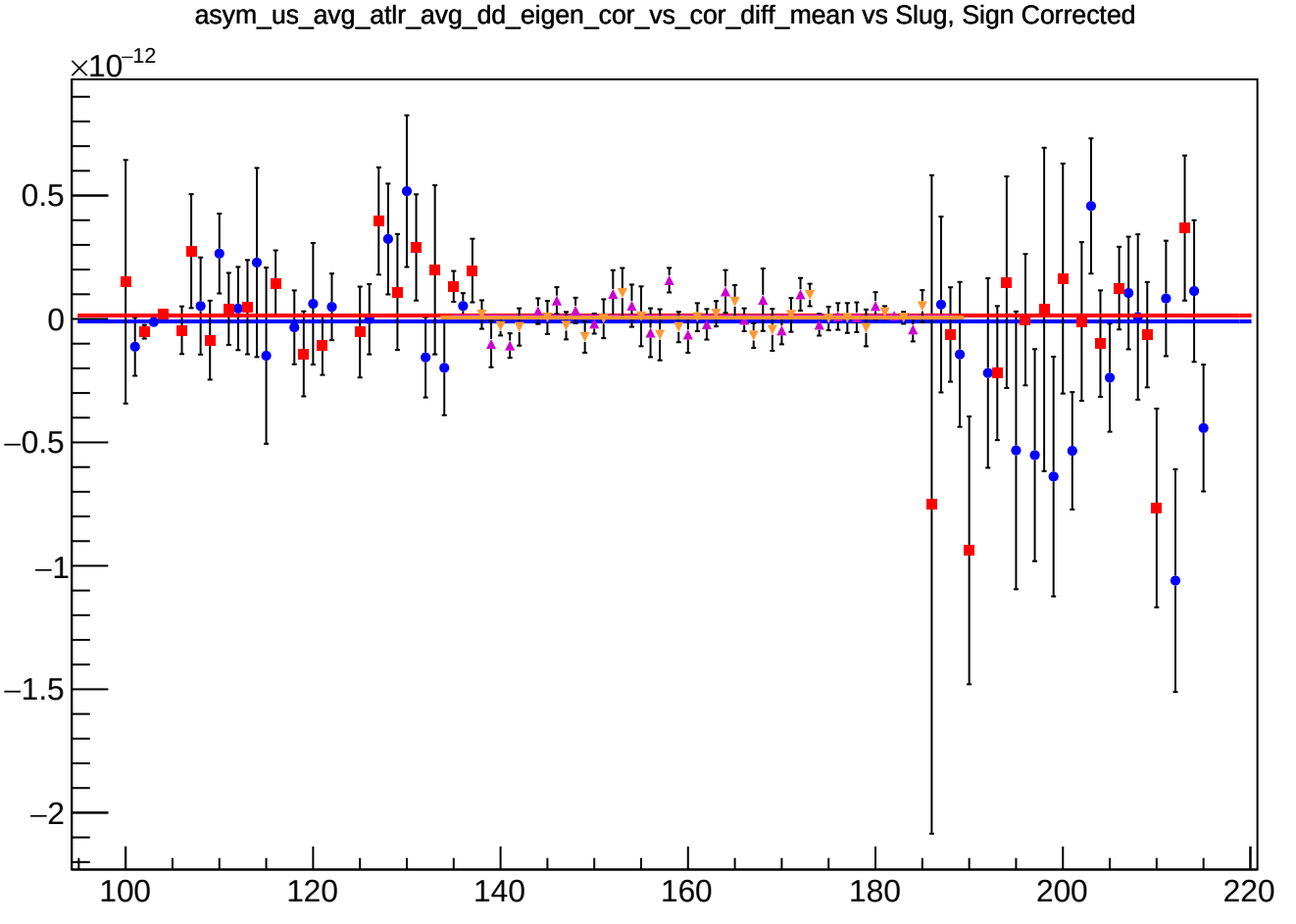
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 111.516+/-0.014 χ^2/NDF: 9871323.8/62

In: 143.549+/-0.019 χ^2/NDF:14040332.7/53

Out: 128.290+/-0.018 χ^2/NDF:19443314.3/55

All: 135.533+/-0.013 χ^2/NDF: 33822488.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/31

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

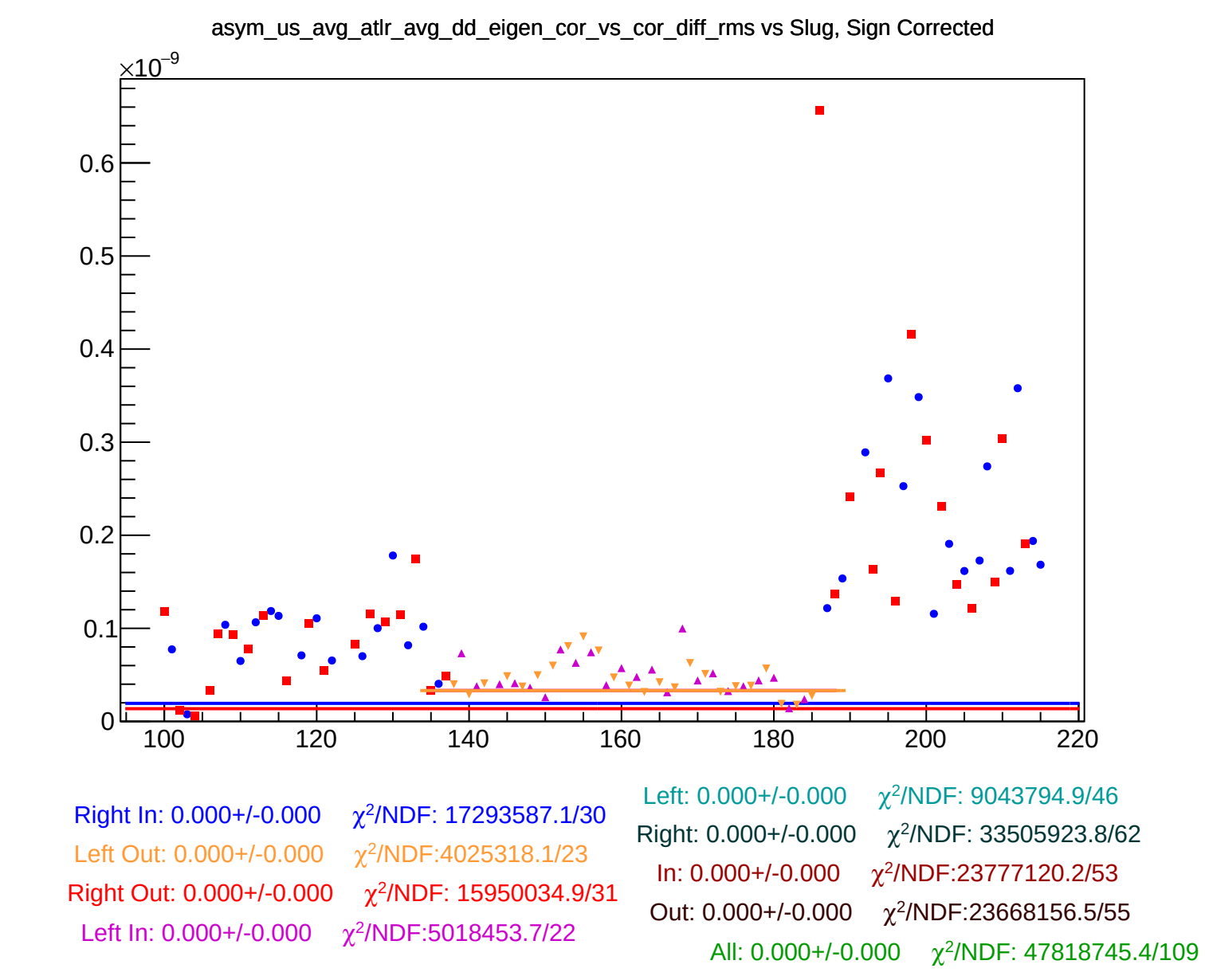
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

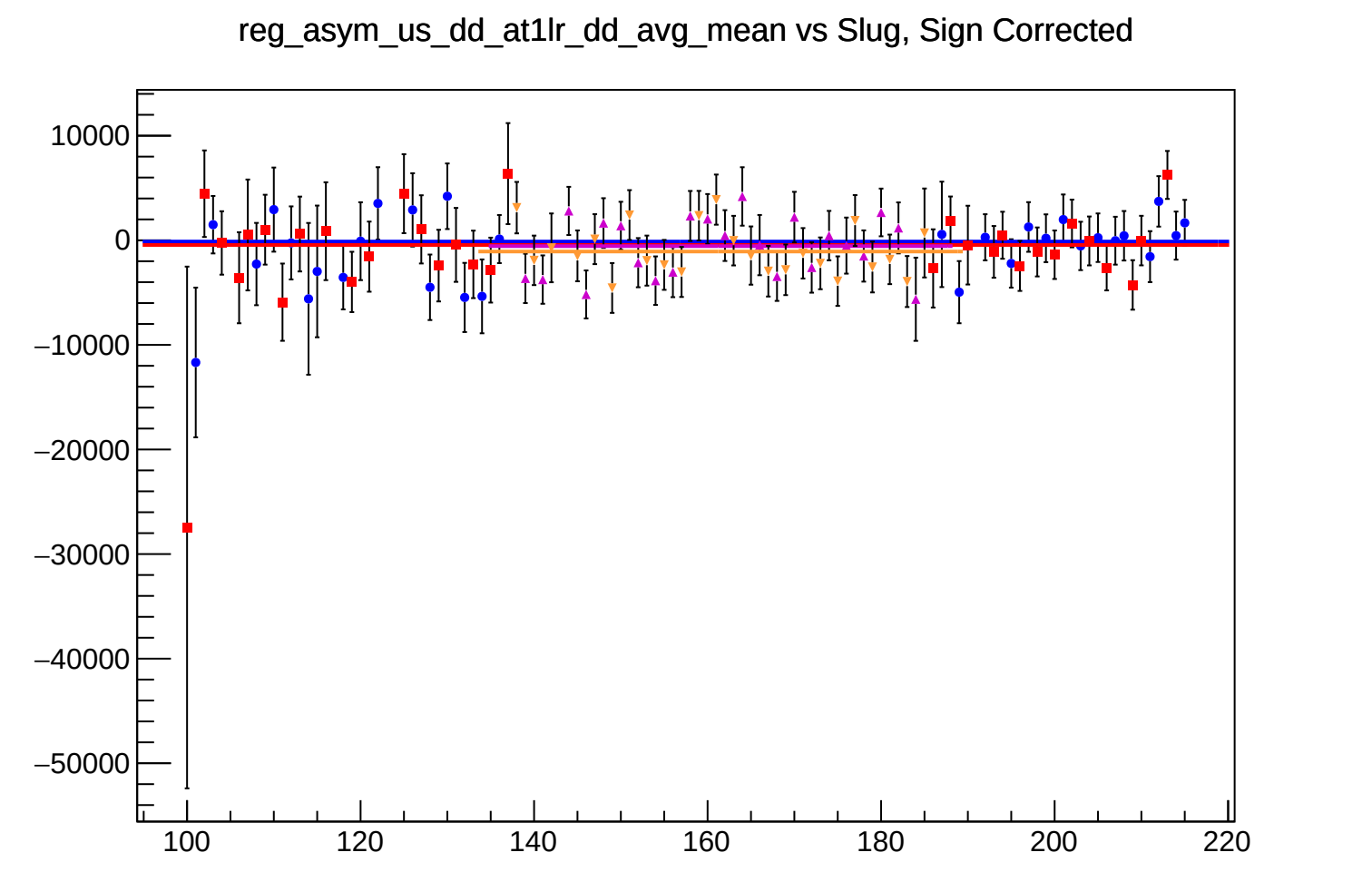
Right: 0.000+/-0.000 χ^2/NDF: 70.3/62

In: 0.000+/-0.000 χ^2/NDF:65.0/53

Out: 0.000+/-0.000 χ^2/NDF:46.7/55

All: 0.000+/-0.000 χ^2/NDF: 112.2/109


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 17293587.1/30
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 15950034.9/31
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9043794.9/46
Right: 0.000+/-0.000 χ²/NDF: 33505923.8/62
In: 0.000+/-0.000 χ²/NDF:23777120.2/53
Out: 0.000+/-0.000 χ²/NDF:23668156.5/55
All: 0.000+/-0.000 χ²/NDF: 47818745.4/109



Right In: -117.313+/-507.696 χ^2/NDF: 24.8/30

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -445.956+/-520.095 χ^2/NDF: 28.0/31

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

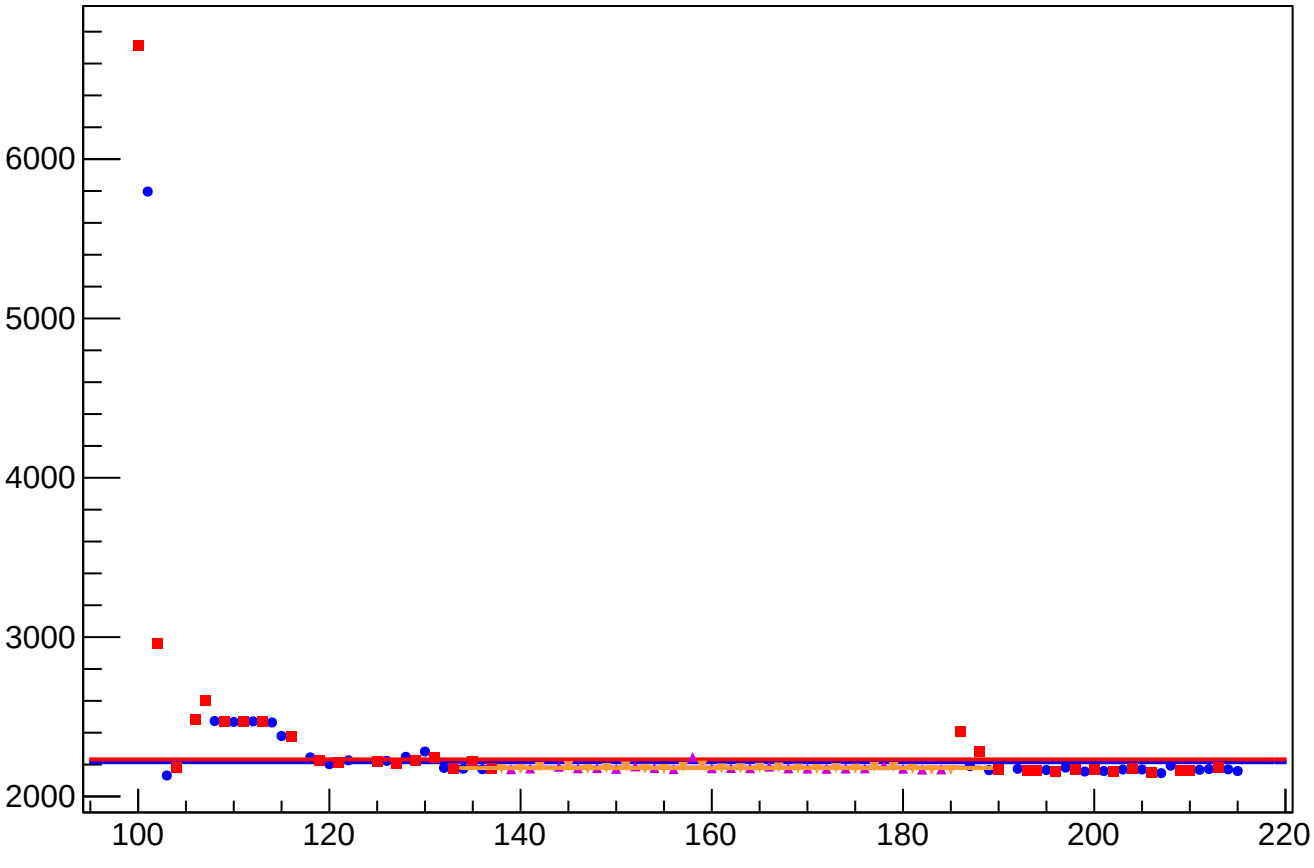
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -277.671+/-363.300 χ^2/NDF: 53.0/62

In: -336.529+/-359.529 χ^2/NDF:53.8/53

Out: -768.308+/-362.505 χ^2/NDF:50.3/55

All: -550.638+/-255.271 χ^2/NDF: 104.9/109



Right In: 2214.866+/-0.359 χ^2/NDF: 548225.3/30

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2232.487+/-0.368 χ^2/NDF: 198022.7/31

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

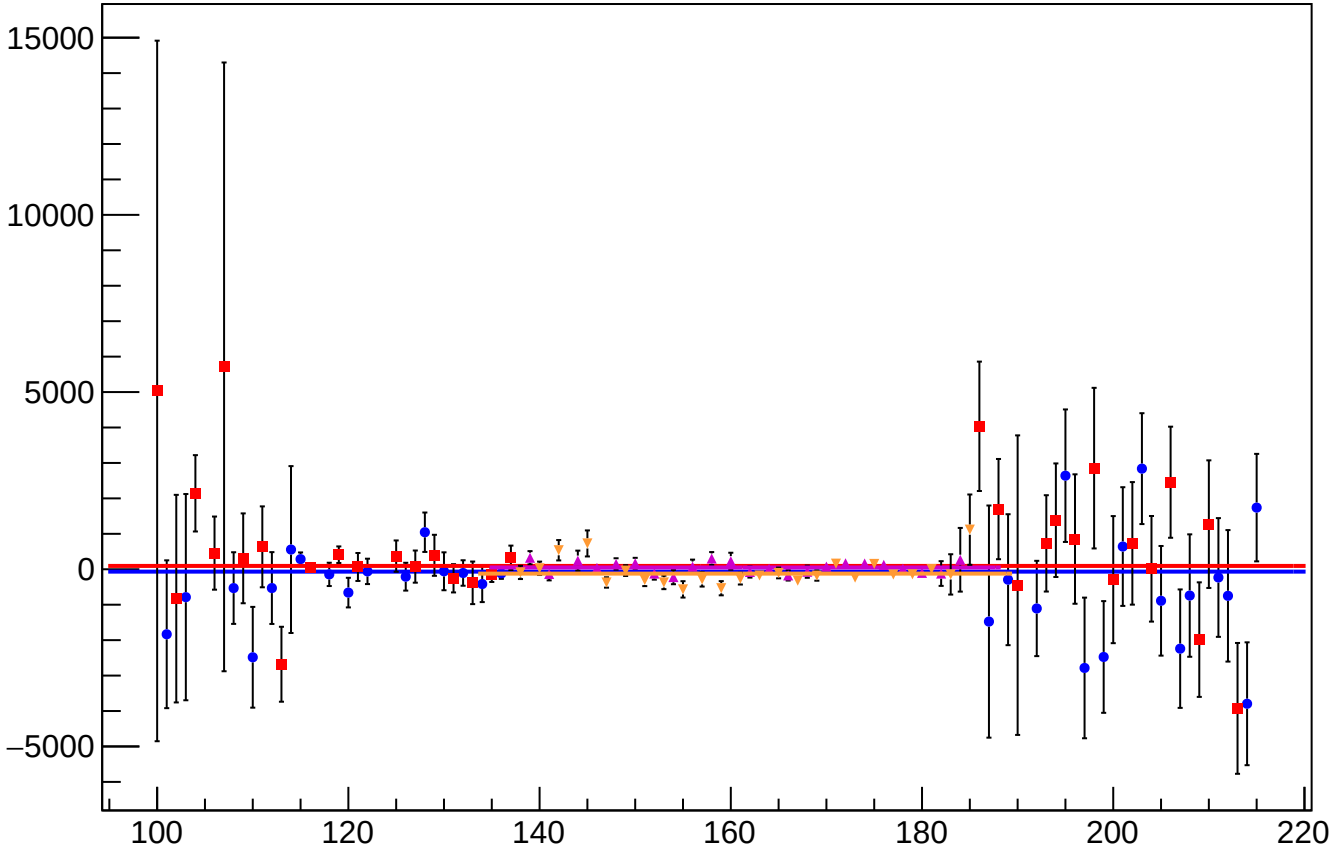
Right: 2223.464+/-0.257 χ^2/NDF: 747423.5/62

In: 2197.943+/-0.254 χ^2/NDF:554549.3/53

Out: 2204.596+/-0.256 χ^2/NDF:209597.9/55

All: 2201.242+/-0.181 χ^2/NDF: 764486.8/109

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -66.766+/-89.031 χ^2/NDF: 33.5/30

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 94.361+/-81.082 χ^2/NDF: 35.5/31

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

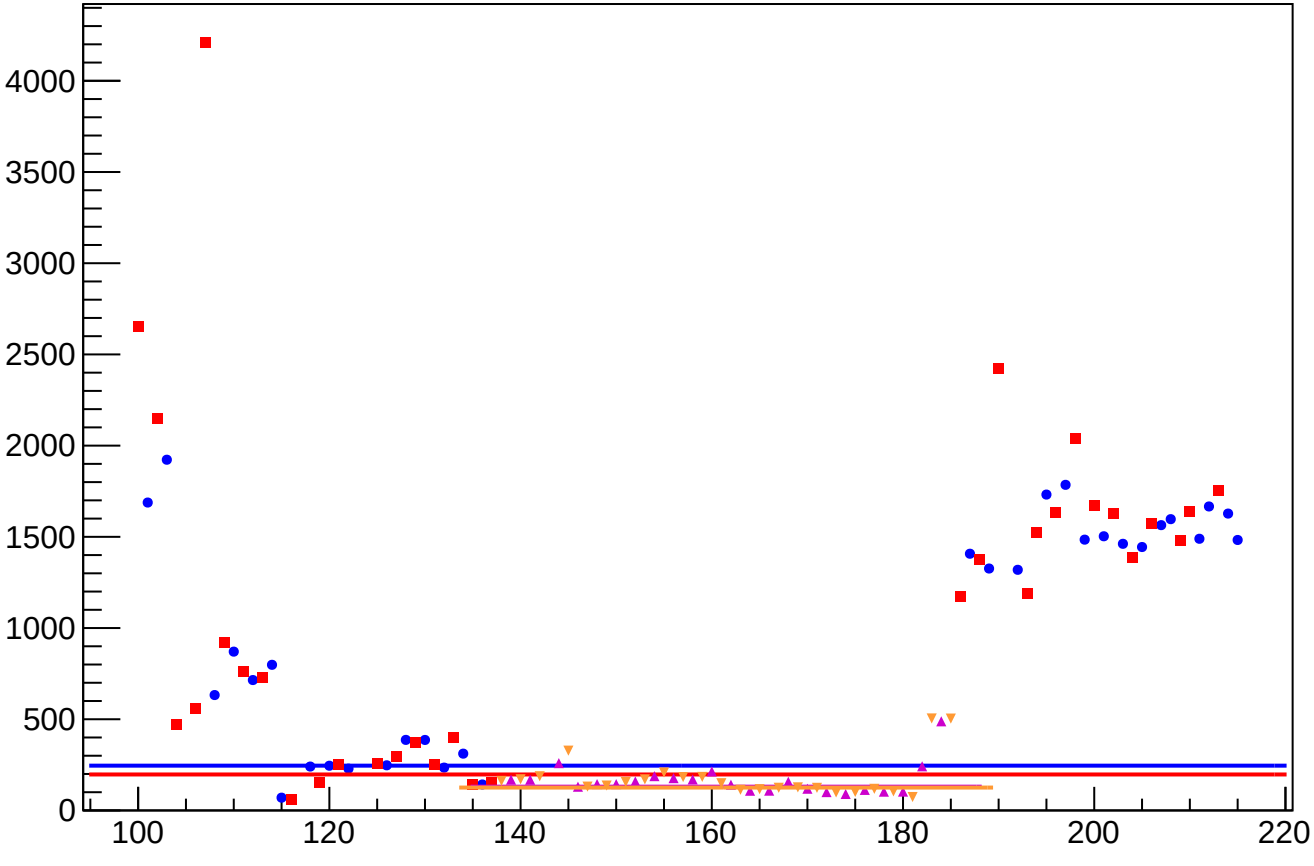
Right: 21.310+/-59.947 χ^2/NDF: 70.7/62

In: 36.516+/-30.567 χ^2/NDF:53.2/53

Out: -94.647+/-29.288 χ^2/NDF:85.5/55

All: -31.868+/-21.147 χ^2/NDF: 148.3/109

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 245.595+/-0.063 χ^2/NDF: 22575763.6/30

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 197.259+/-0.057 χ^2/NDF: 23694751.9/31

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

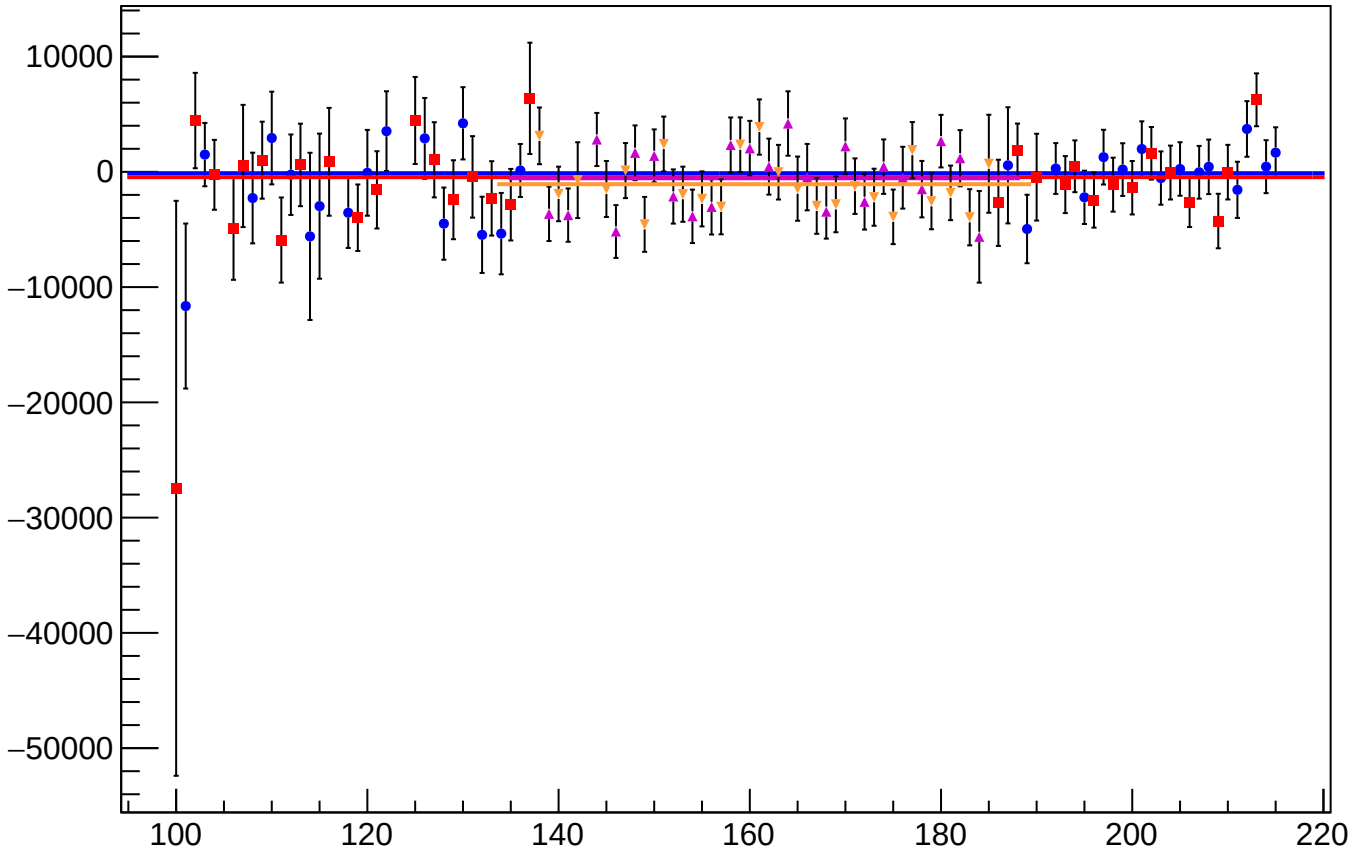
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 219.173+/-0.042 χ^2/NDF: 46592762.4/62

In: 144.010+/-0.022 χ^2/NDF:28207185.0/53

Out: 134.868+/-0.021 χ^2/NDF:28999387.8/55

All: 139.244+/-0.015 χ^2/NDF: 57299854.5/10



Right In: -116.921+/-507.696 χ^2/NDF: 24.8/30

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -462.631+/-520.249 χ^2/NDF: 28.5/31

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

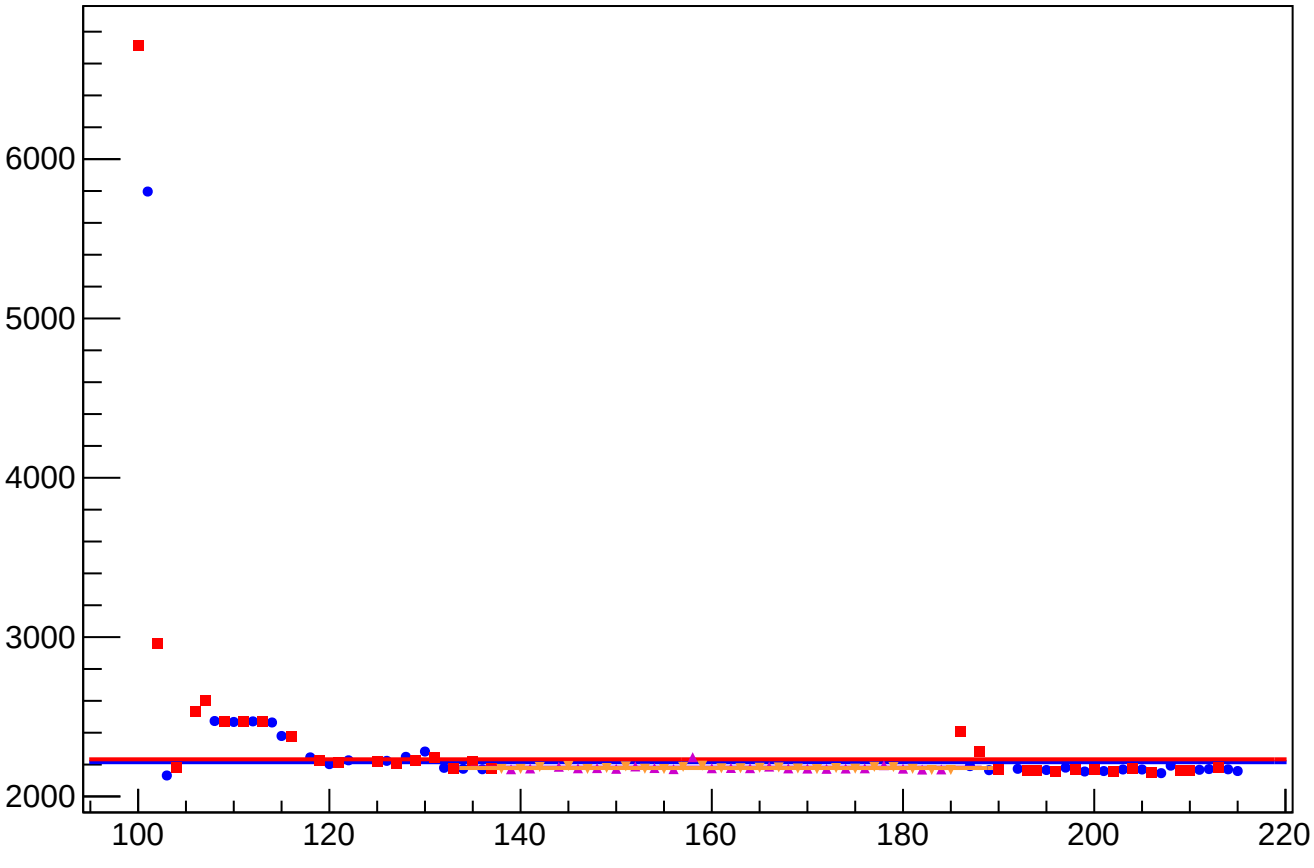
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -285.555+/-363.352 χ^2/NDF: 53.5/62

In: -336.346+/-359.529 χ^2/NDF:53.8/53

Out: -776.464+/-362.557 χ^2/NDF:50.8/55

All: -554.559+/-255.289 χ^2/NDF: 105.4/109



Right In: 2214.866+/-0.359 χ^2/NDF: 548225.6/30

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2233.033+/-0.368 χ^2/NDF: 200585.6/31

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

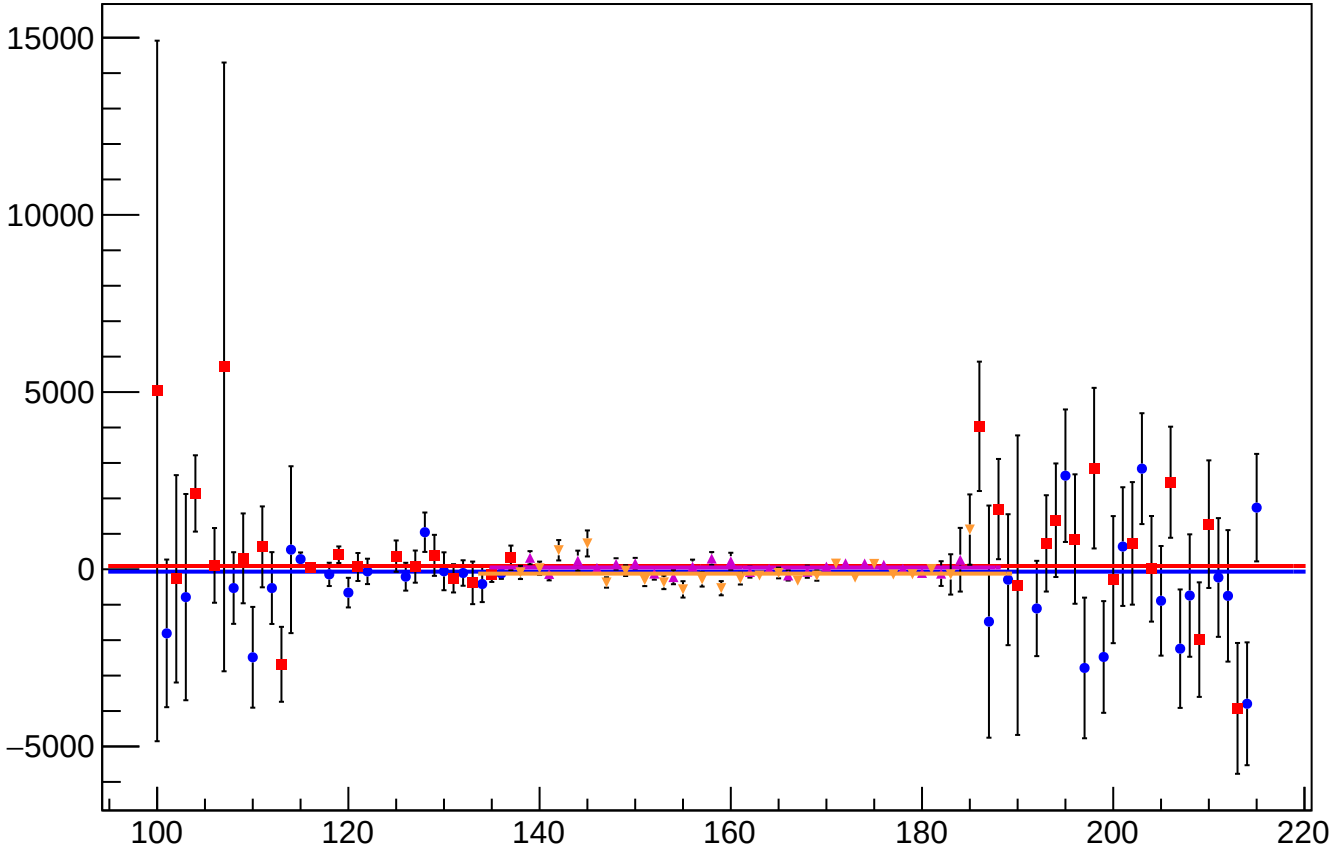
Right: 2223.728+/-0.257 χ^2/NDF: 750060.3/62

In: 2197.943+/-0.254 χ^2/NDF:554549.6/53

Out: 2204.853+/-0.256 χ^2/NDF:212383.6/55

All: 2201.369+/-0.181 χ^2/NDF: 767299.5/109

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -66.803+/-89.036 χ^2/NDF: 33.5/30

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 92.396+/-81.023 χ^2/NDF: 35.2/31

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

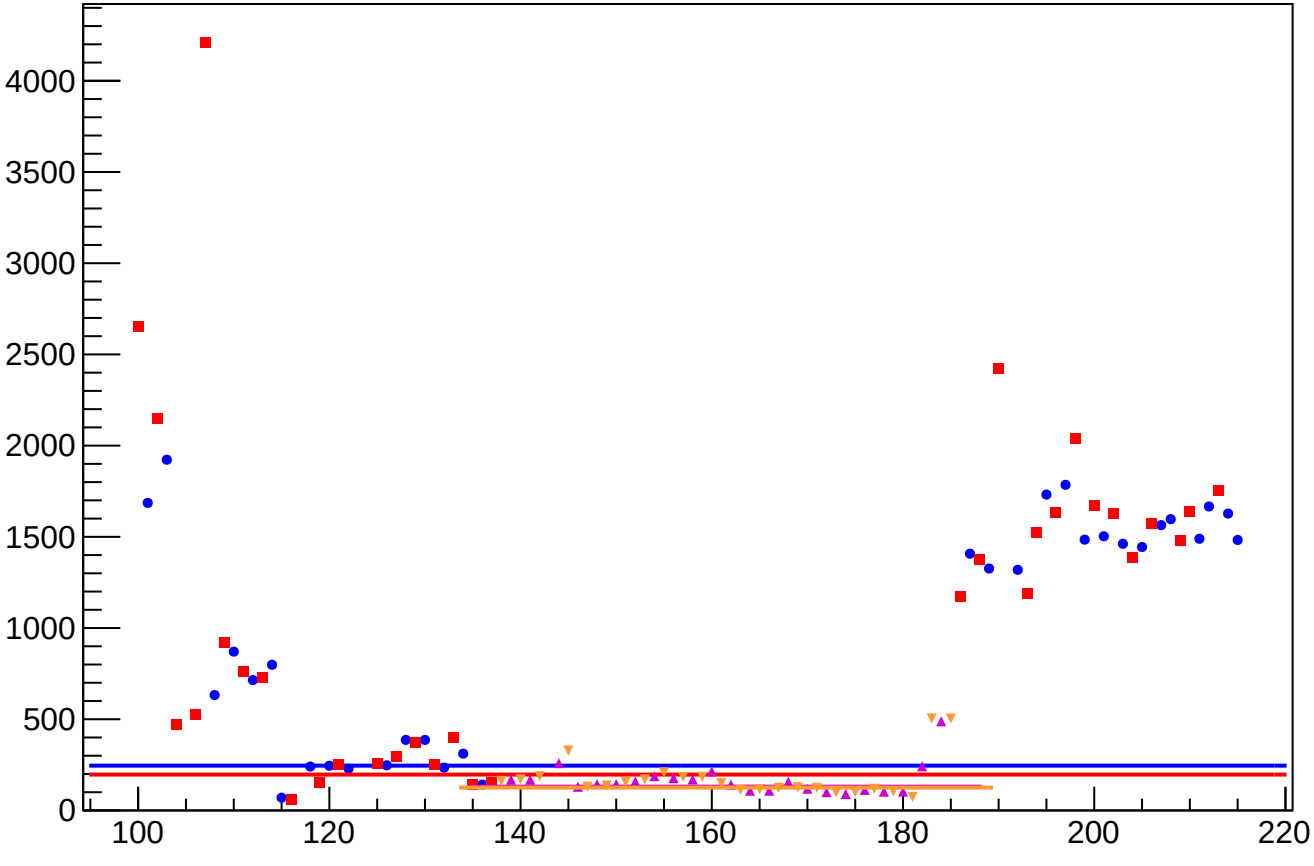
Right: 20.281+/-59.925 χ^2/NDF: 70.5/62

In: 36.416+/-30.570 χ^2/NDF:53.2/53

Out: -94.799+/-29.285 χ^2/NDF:85.2/55

All: -32.007+/-21.147 χ^2/NDF: 148.0/109

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 245.625+/-0.063 χ^2/NDF: 22573942.4/30

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 196.659+/-0.057 χ^2/NDF: 23663833.2/31

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

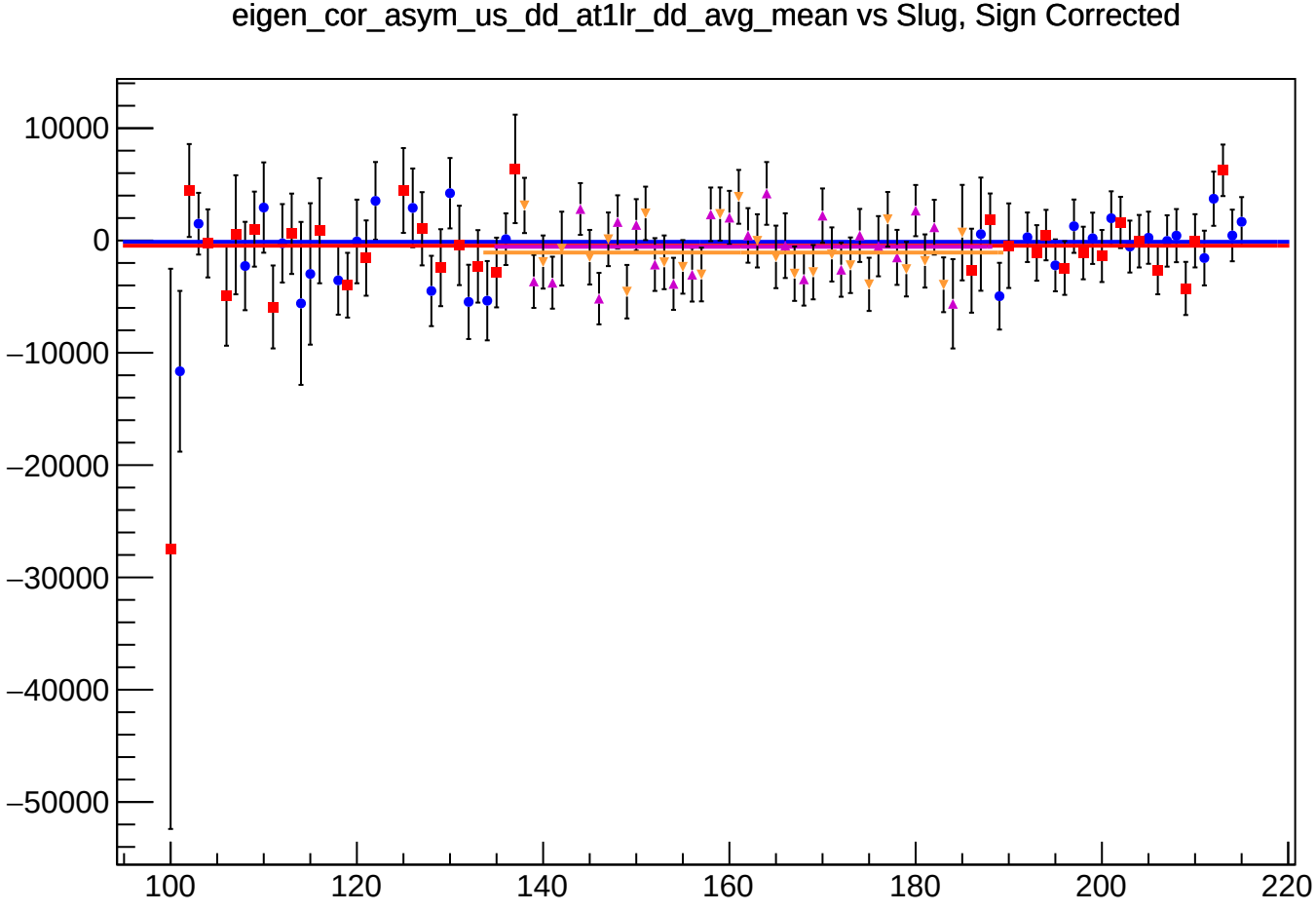
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 218.840+/-0.042 χ^2/NDF: 46568666.9/62

In: 144.028+/-0.022 χ^2/NDF:28205426.6/53

Out: 134.798+/-0.021 χ^2/NDF:28948453.8/55

All: 139.215+/-0.015 χ^2/NDF: 57248950.0/10



Right In: -116.921+/-507.696 χ^2/NDF: 24.8/30

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -462.631+/-520.249 χ^2/NDF: 28.5/31

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

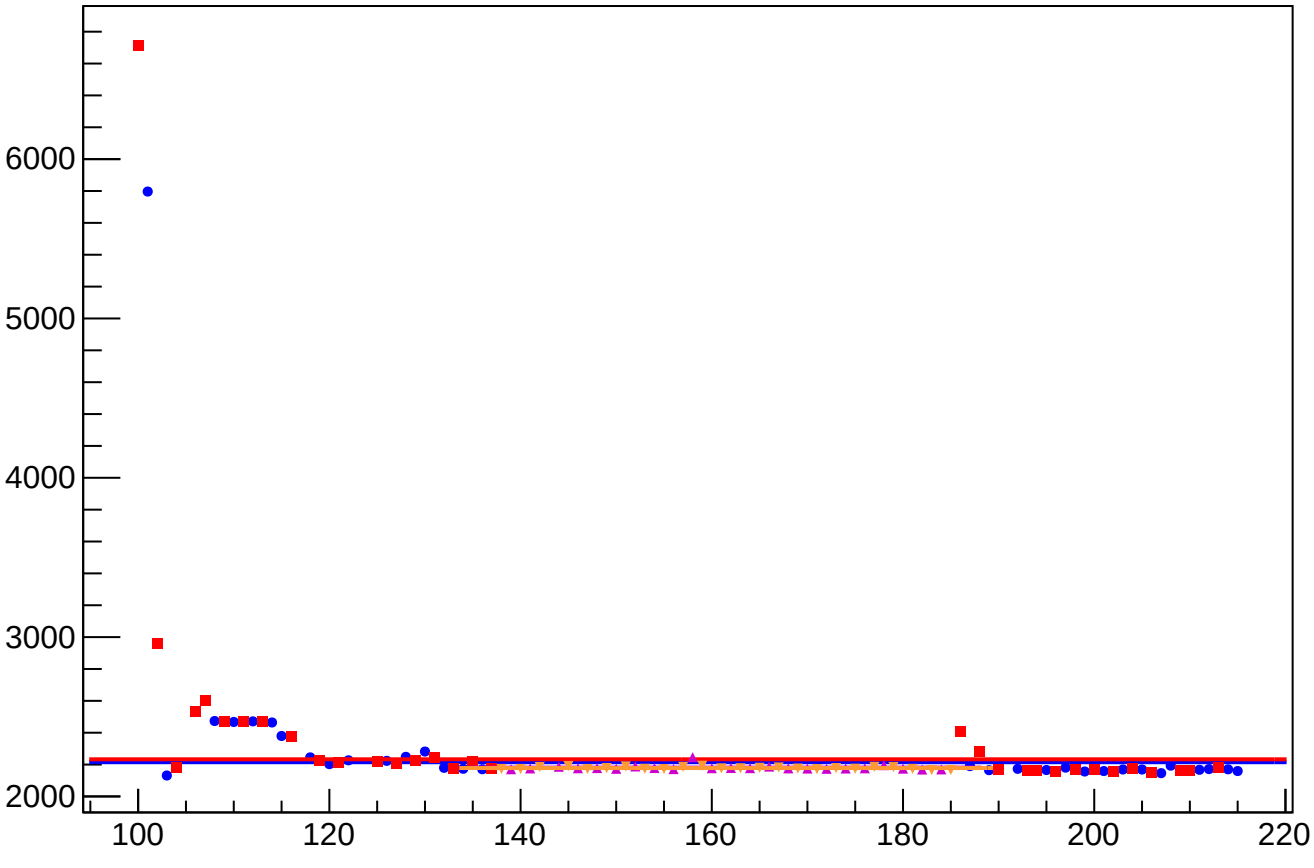
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -285.555+/-363.352 χ^2/NDF: 53.5/62

In: -336.346+/-359.529 χ^2/NDF:53.8/53

Out: -776.464+/-362.557 χ^2/NDF:50.8/55

All: -554.559+/-255.289 χ^2/NDF: 105.4/109



Right In: 2214.866+/-0.359 χ^2/NDF: 548225.6/30

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2233.033+/-0.368 χ^2/NDF: 200585.6/31

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

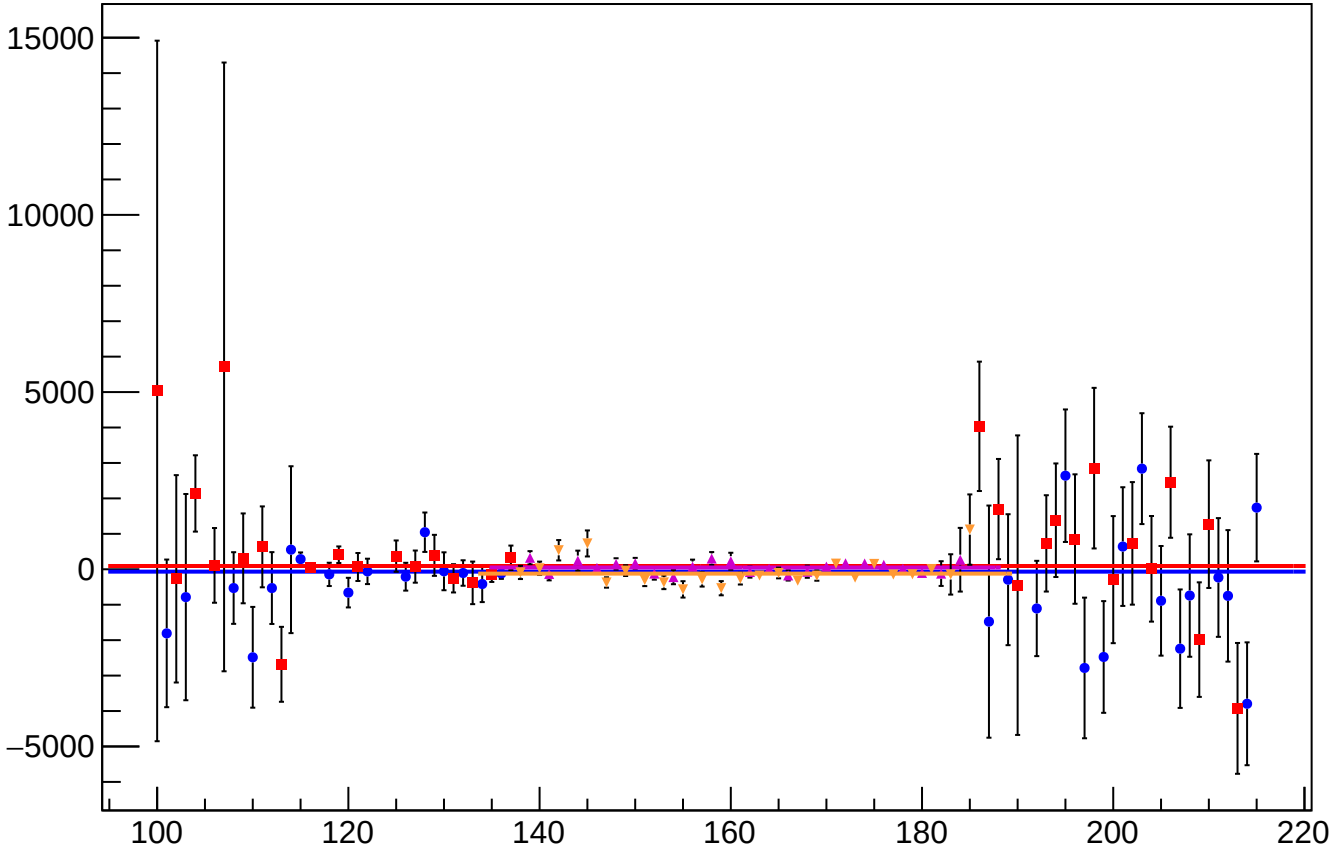
Right: 2223.728+/-0.257 χ^2/NDF: 750060.3/62

In: 2197.943+/-0.254 χ^2/NDF:554549.6/53

Out: 2204.853+/-0.256 χ^2/NDF:212383.6/55

All: 2201.369+/-0.181 χ^2/NDF: 767299.5/109

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -66.803+/-89.036 χ^2/NDF: 33.5/30

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 92.396+/-81.023 χ^2/NDF: 35.2/31

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

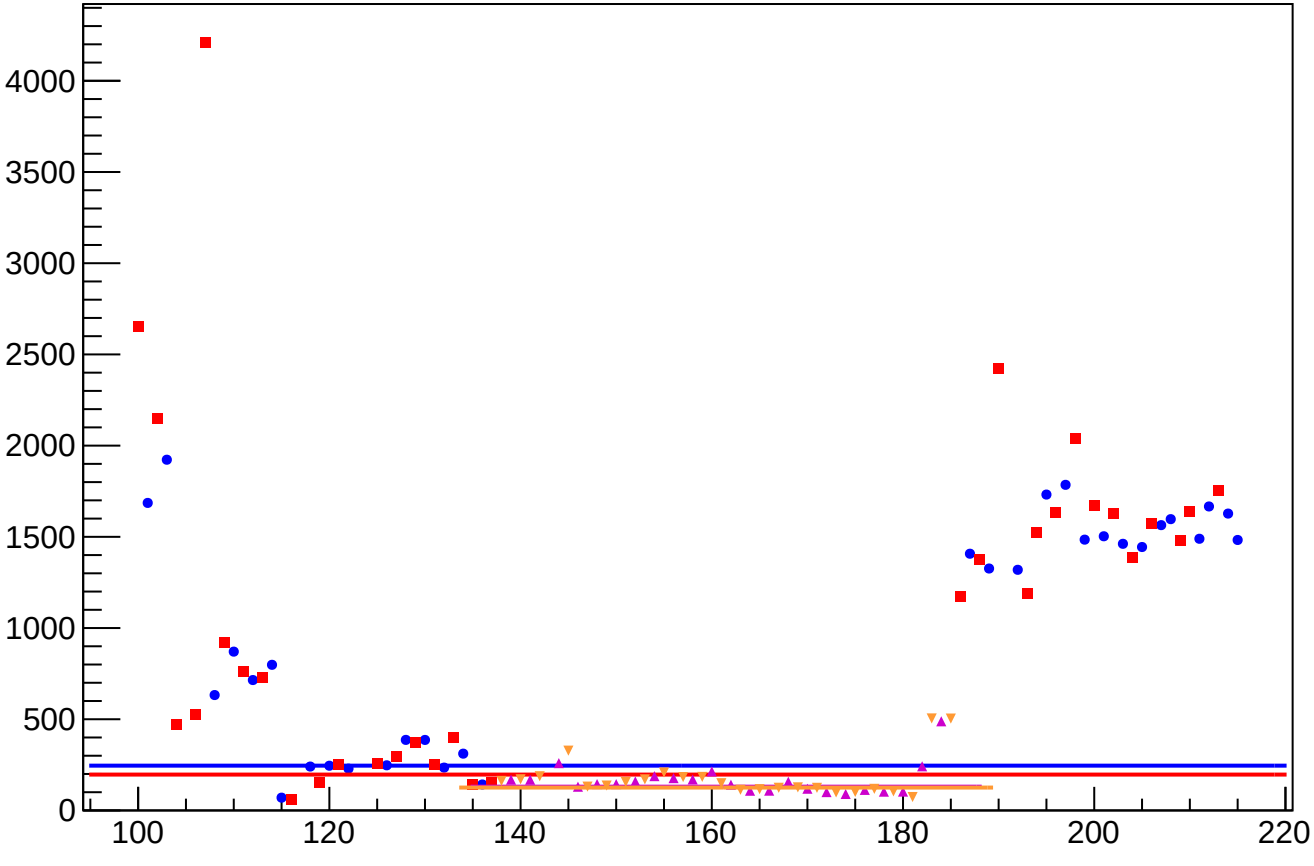
Right: 20.281+/-59.925 χ^2/NDF: 70.5/62

In: 36.416+/-30.570 χ^2/NDF:53.2/53

Out: -94.799+/-29.285 χ^2/NDF:85.2/55

All: -32.007+/-21.147 χ^2/NDF: 148.0/109

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 245.625+/-0.063 χ^2/NDF: 22573942.4/30

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 196.659+/-0.057 χ^2/NDF: 23663833.2/31

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

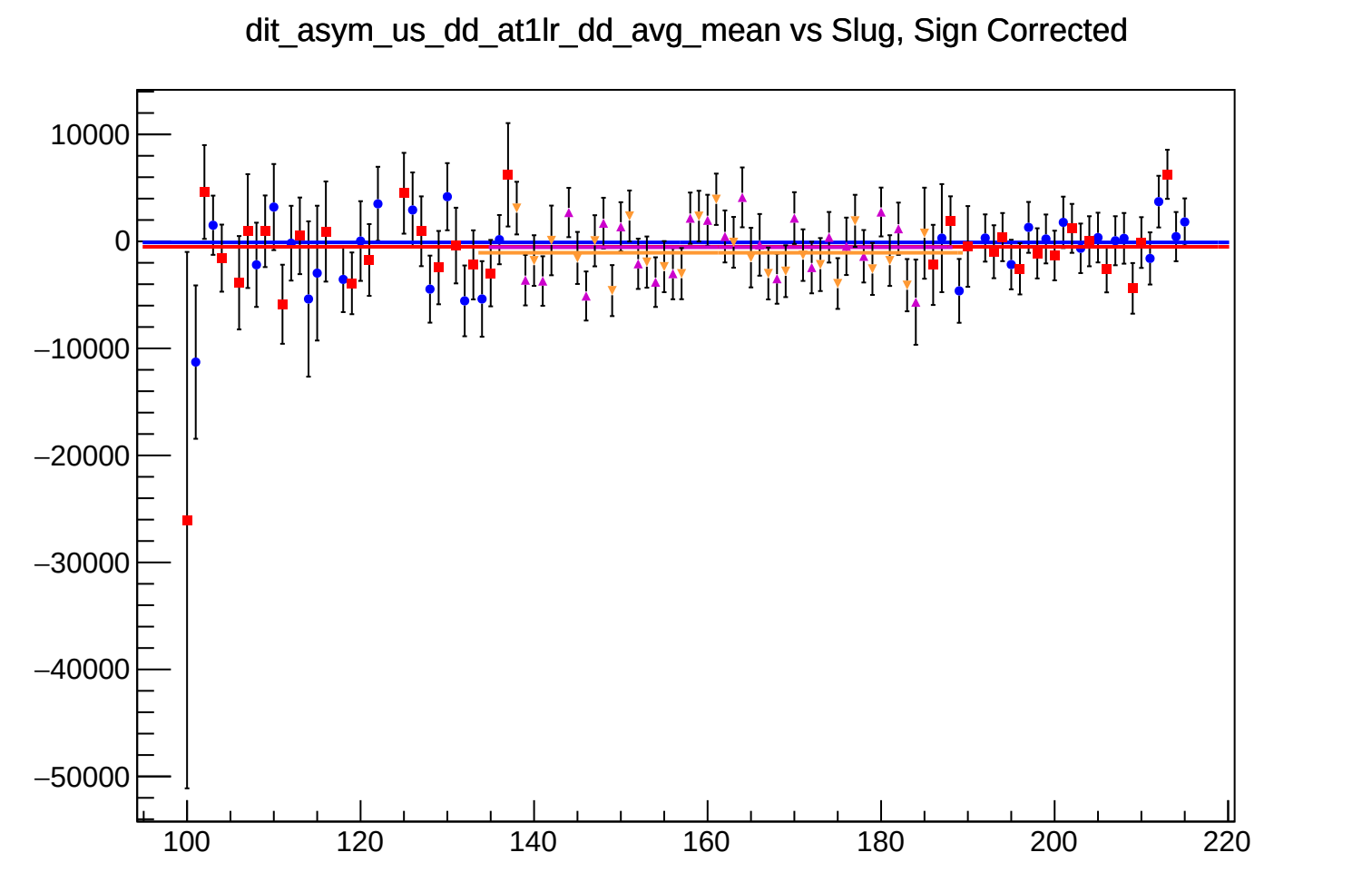
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 218.840+/-0.042 χ^2/NDF: 46568666.9/62

In: 144.028+/-0.022 χ^2/NDF:28205426.6/53

Out: 134.798+/-0.021 χ^2/NDF:28948453.8/55

All: 139.215+/-0.015 χ^2/NDF: 57248950.0/10



Right In: -93.872+/-508.228 χ^2/NDF: 24.3/30

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -507.349+/-521.611 χ^2/NDF: 27.7/31

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

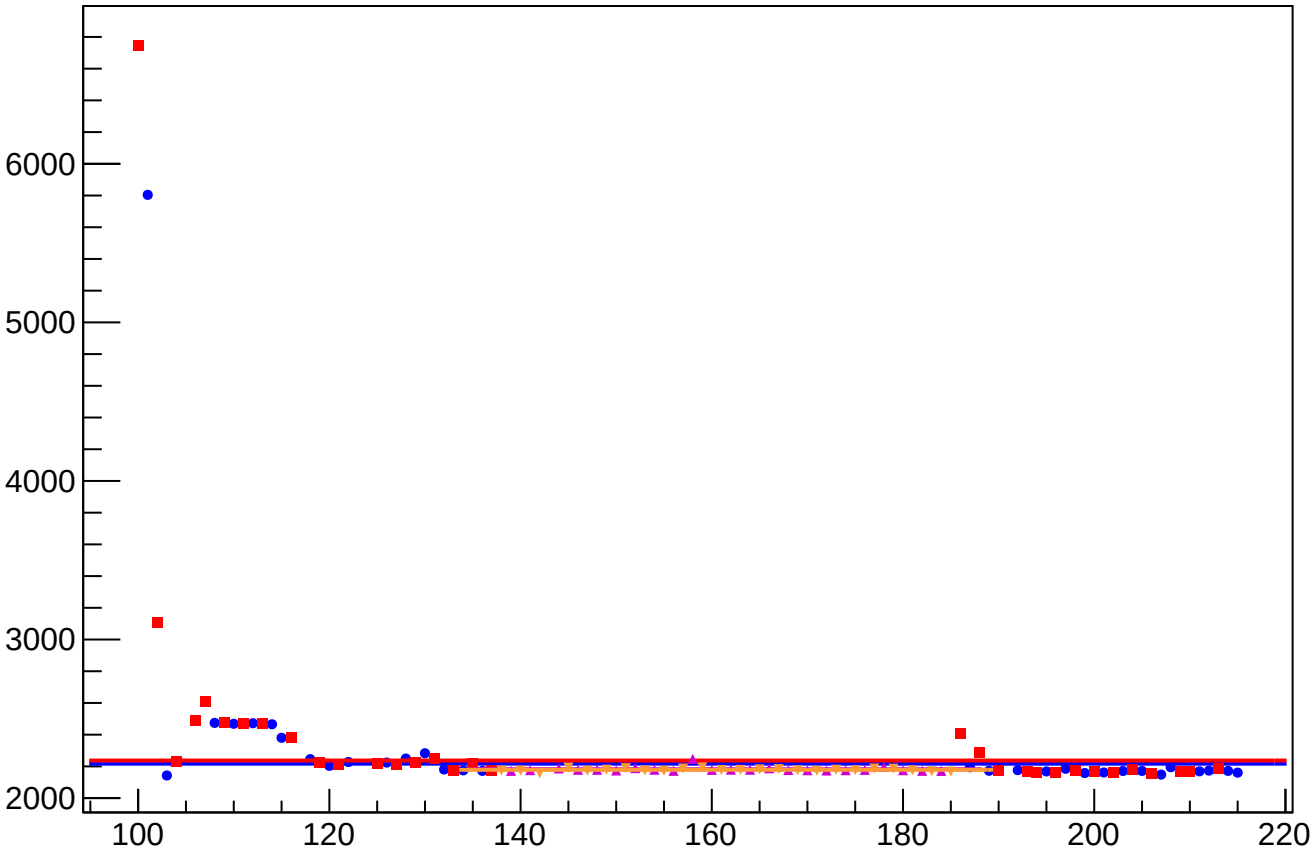
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -295.238+/-364.011 χ^2/NDF: 52.3/62

In: -318.533+/-359.797 χ^2/NDF:52.6/53

Out: -793.495+/-363.052 χ^2/NDF:50.2/55

All: -553.876+/-255.558 χ^2/NDF: 103.6/109



Right In: 2217.105+/-0.359 χ^2/NDF: 547674.9/30

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2237.019+/-0.369 χ^2/NDF: 216325.8/31

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

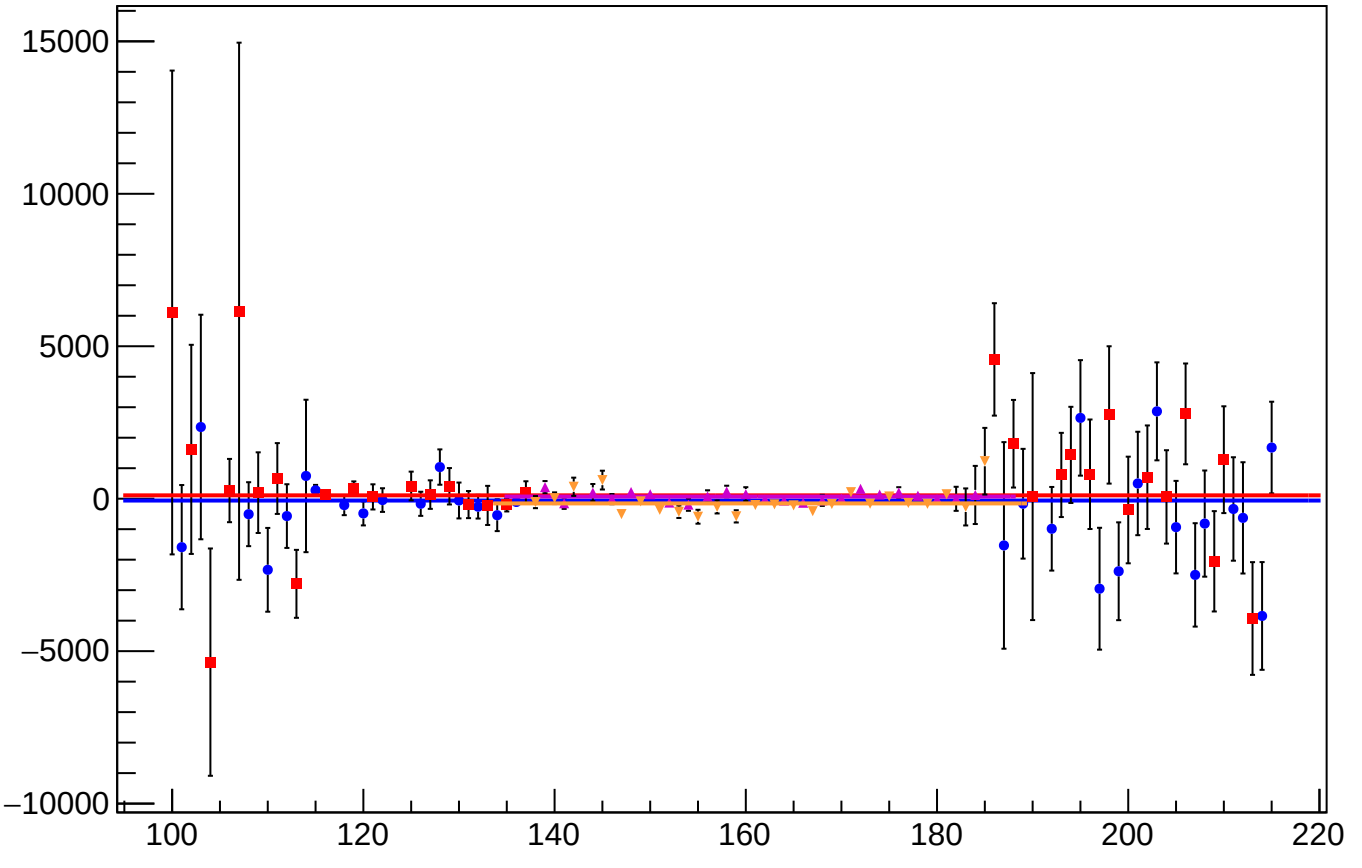
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2226.803+/-0.257 χ^2/NDF: 765496.1/62

In: 2199.535+/-0.254 χ^2/NDF:554304.8/53

Out: 2206.851+/-0.257 χ^2/NDF:229758.3/55

All: 2203.160+/-0.181 χ^2/NDF: 784472.7/109



Right In: -60.462+/-90.459 χ^2/NDF: 33.0/30

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 109.752+/-84.618 χ^2/NDF: 34.5/31

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

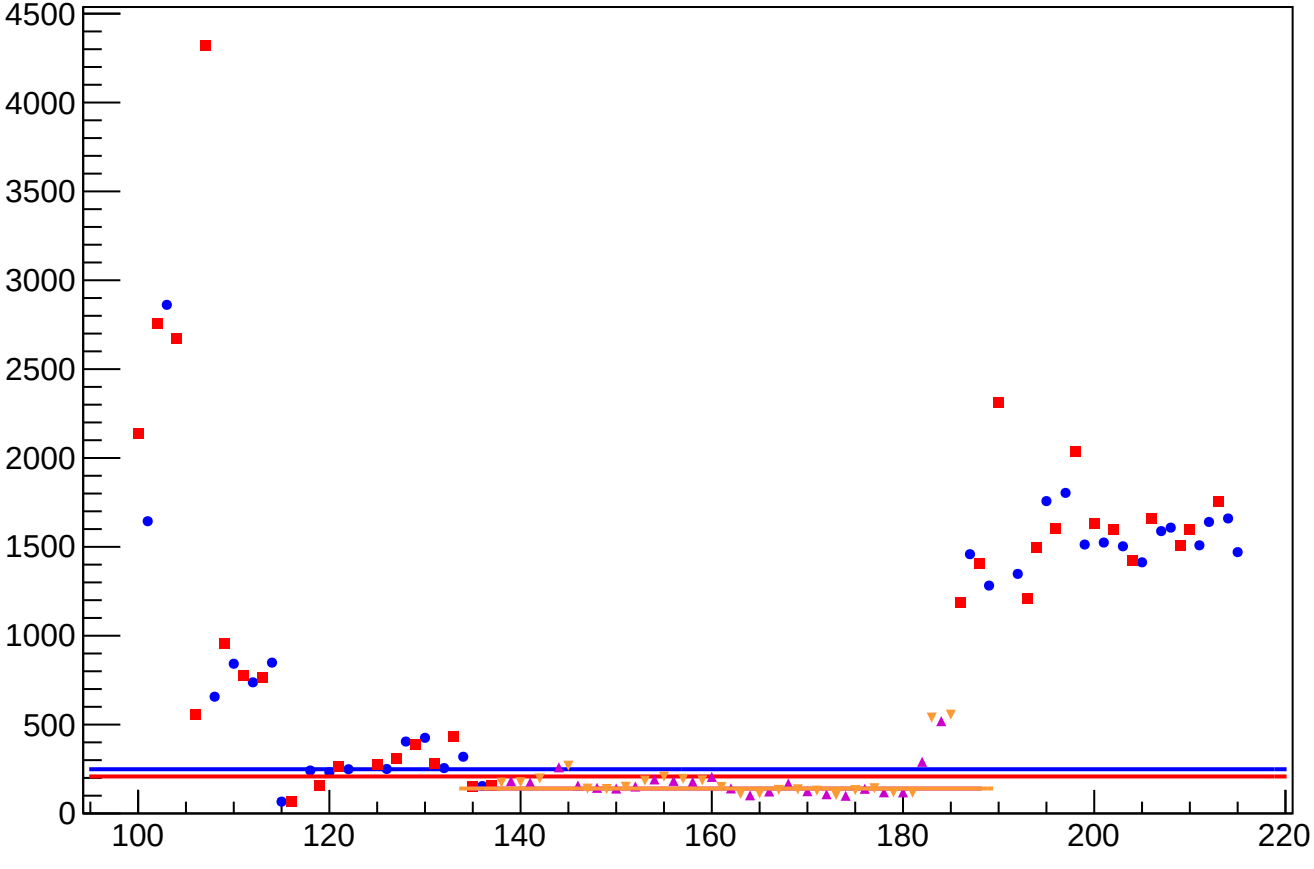
Right: 30.317+/-61.796 χ^2/NDF: 69.4/62

In: 53.804+/-31.994 χ^2/NDF:53.8/53

Out: -117.848+/-31.597 χ^2/NDF:90.2/55

All: -33.093+/-22.481 χ^2/NDF: 158.6/109

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 248.826+/-0.064 χ^2/NDF: 23118857.7/30

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 208.169+/-0.060 χ^2/NDF: 24417564.0/31

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

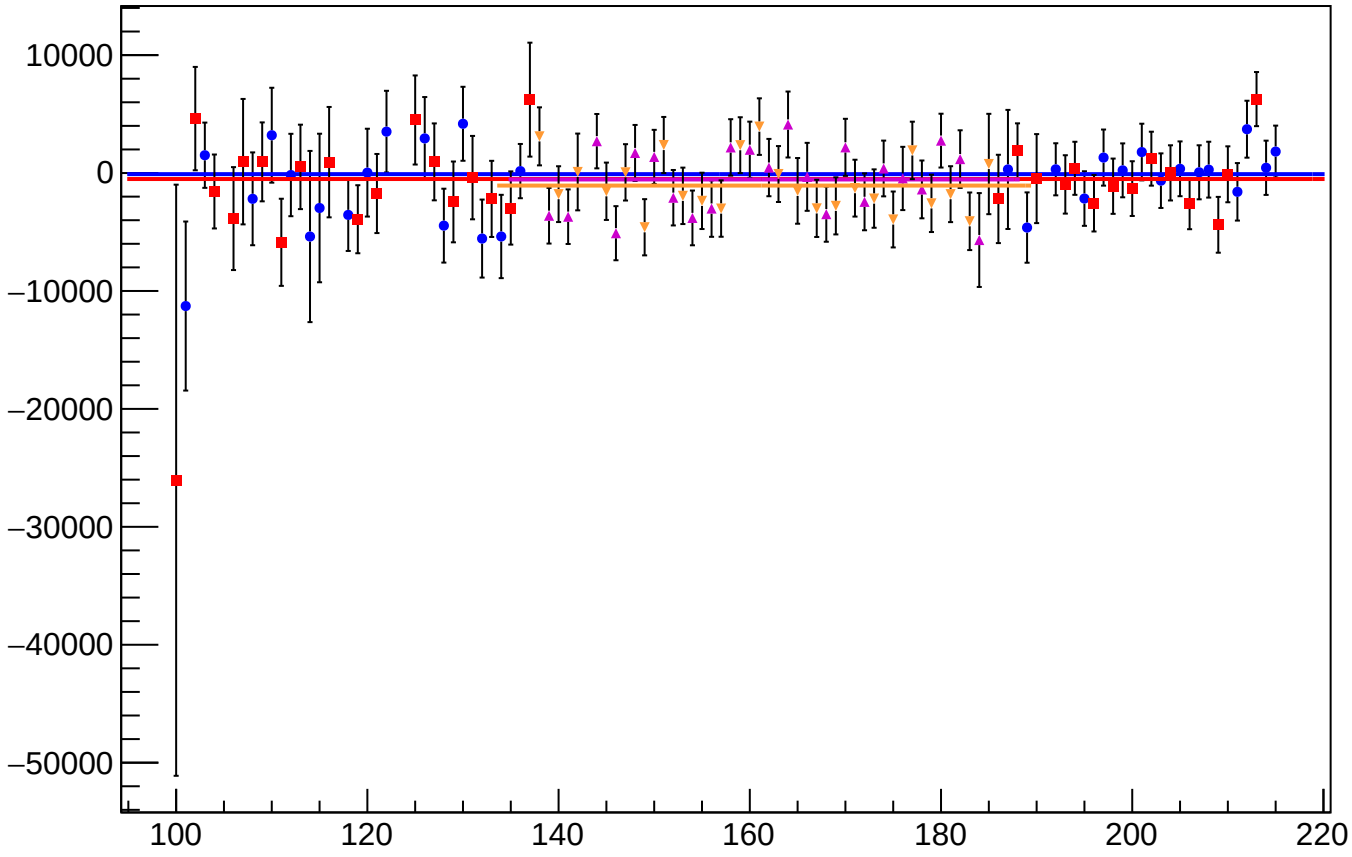
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 227.143+/-0.044 χ^2/NDF: 47751885.3/62

In: 153.594+/-0.023 χ^2/NDF:28064835.0/53

Out: 149.779+/-0.022 χ^2/NDF:28284467.8/55

All: 151.663+/-0.016 χ^2/NDF: 56363699.1/10



Right In: -93.874+/-508.228 χ^2/NDF: 24.3/30

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -507.348+/-521.611 χ^2/NDF: 27.7/31

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

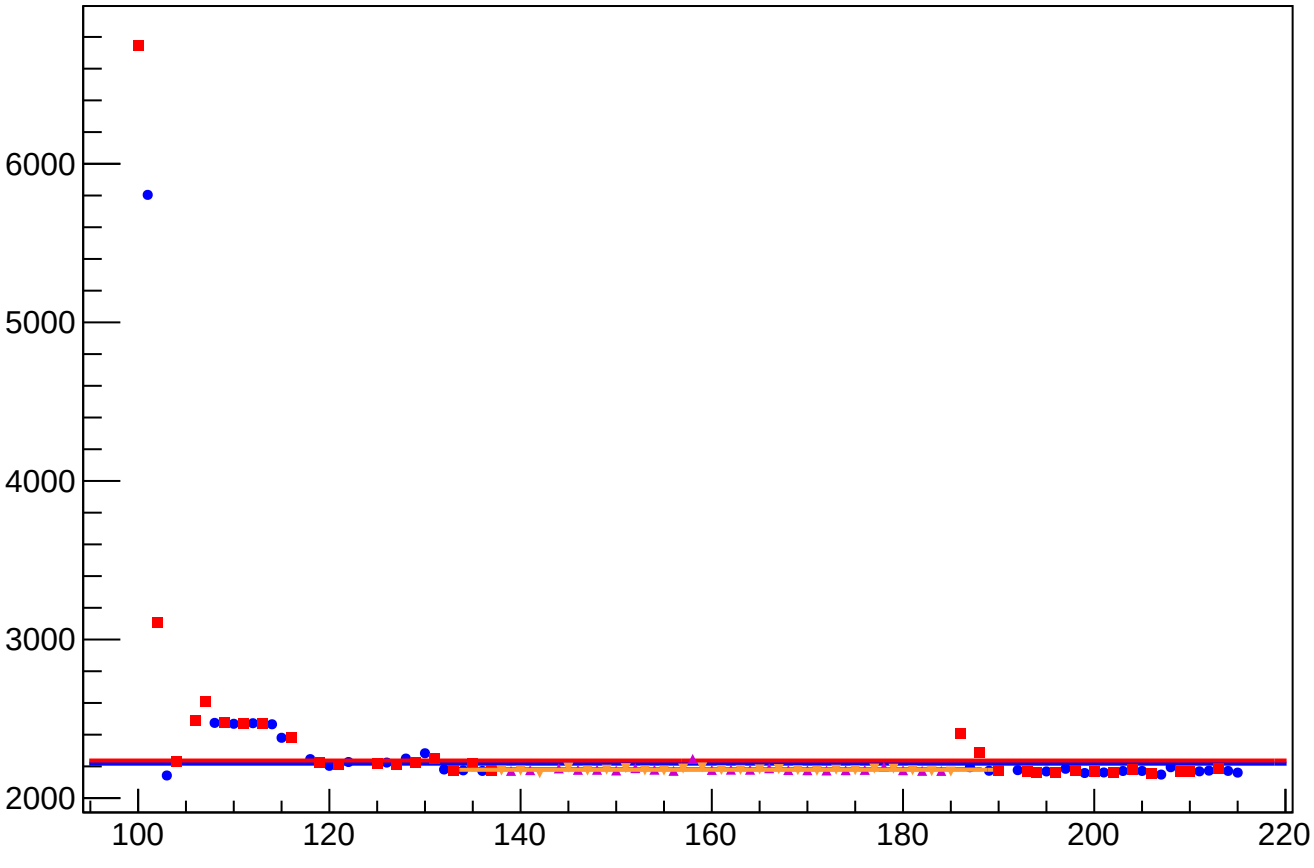
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -295.239+/-364.011 χ^2/NDF: 52.3/62

In: -318.534+/-359.797 χ^2/NDF:52.6/53

Out: -793.495+/-363.052 χ^2/NDF:50.2/55

All: -553.876+/-255.558 χ^2/NDF: 103.6/109



Right In: 2217.105+/-0.359 χ^2/NDF: 547674.9/30

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2237.019+/-0.369 χ^2/NDF: 216325.7/31

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

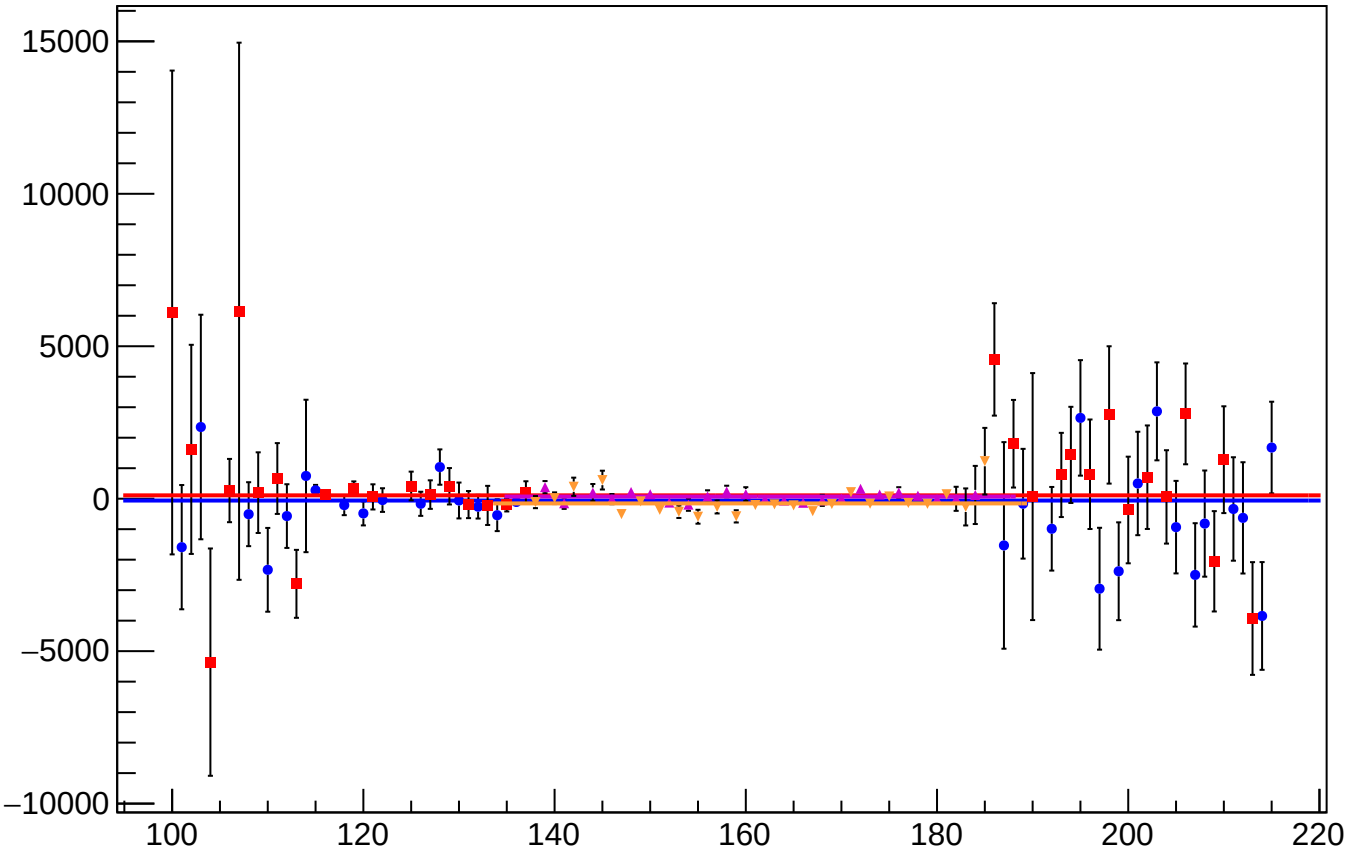
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2226.803+/-0.257 χ^2/NDF: 765496.0/62

In: 2199.535+/-0.254 χ^2/NDF:554304.8/53

Out: 2206.851+/-0.257 χ^2/NDF:229758.1/55

All: 2203.160+/-0.181 χ^2/NDF: 784472.6/109



Right In: -60.459+/-90.458 χ^2/NDF: 33.0/30

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 109.753+/-84.617 χ^2/NDF: 34.5/31

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

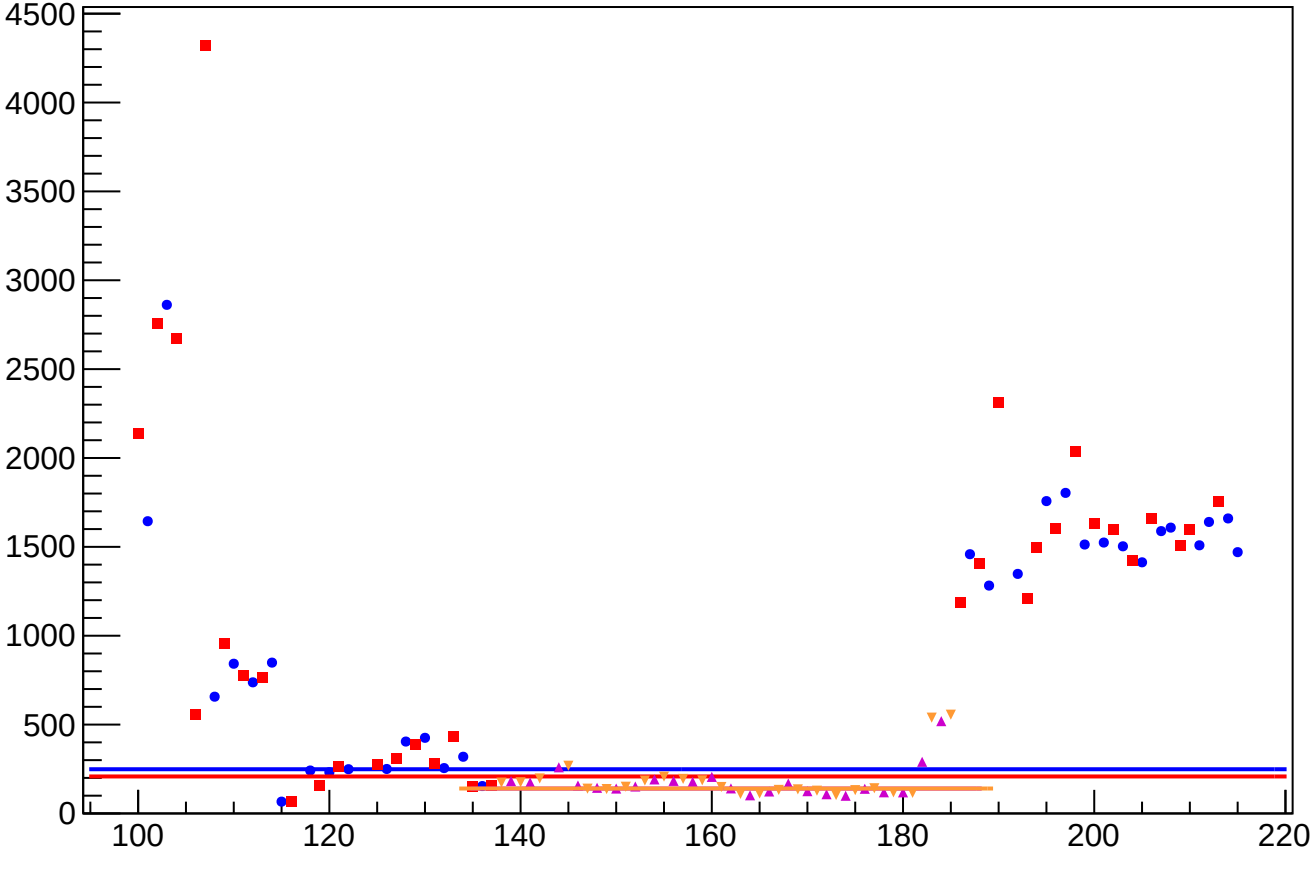
Right: 30.319+/-61.795 χ^2/NDF: 69.4/62

In: 53.804+/-31.994 χ^2/NDF:53.8/53

Out: -117.849+/-31.597 χ^2/NDF:90.2/55

All: -33.093+/-22.481 χ^2/NDF: 158.6/109

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 248.823+/-0.064 χ^2/NDF: 23118979.1/30

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 208.166+/-0.060 χ^2/NDF: 24417697.0/31

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

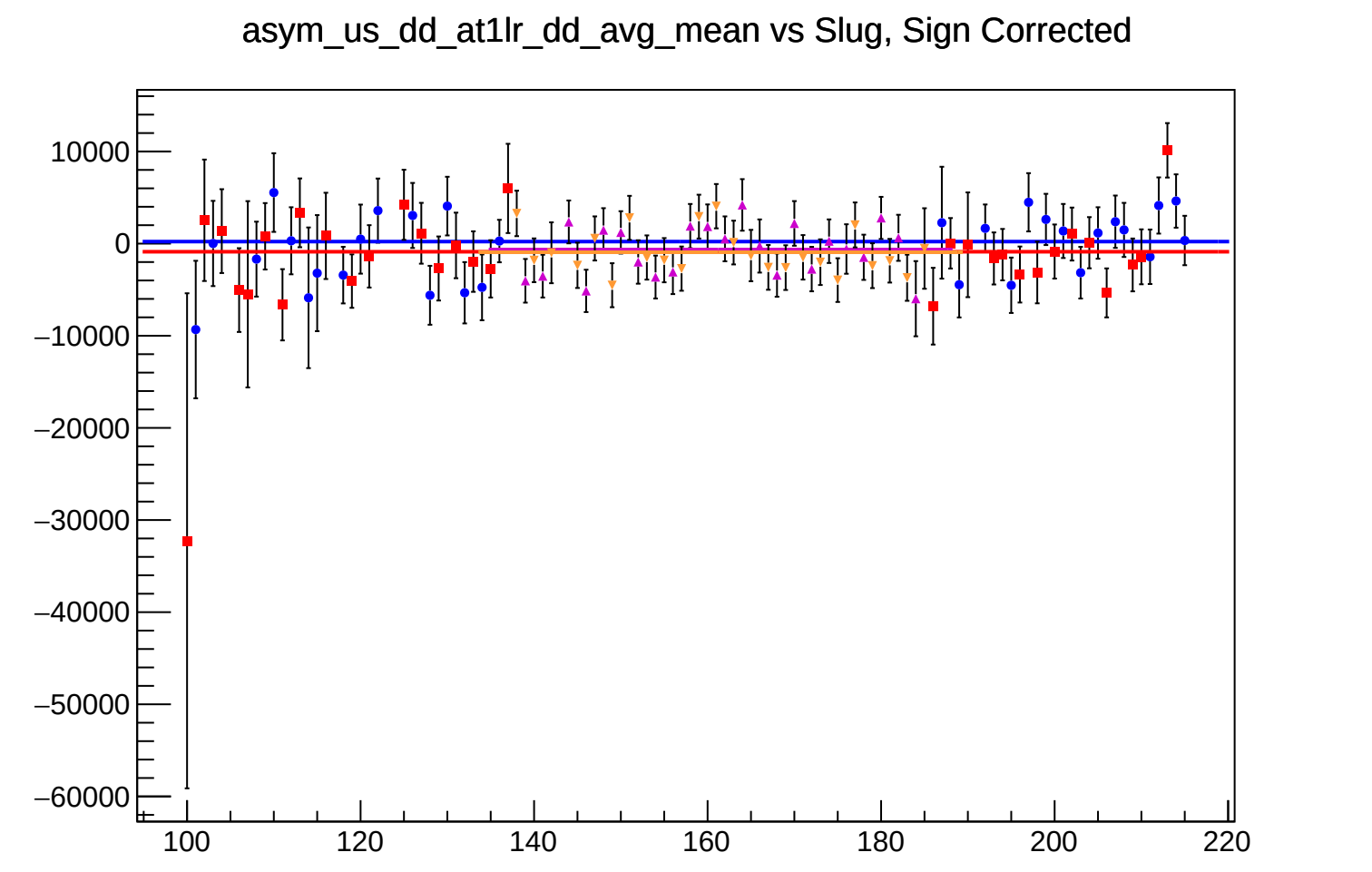
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 227.140+/-0.044 χ^2/NDF: 47752142.1/62

In: 153.594+/-0.023 χ^2/NDF:28064888.6/53

Out: 149.779+/-0.022 χ^2/NDF:28284500.6/55

All: 151.663+/-0.016 χ^2/NDF: 56363784.7/10



Right In: 221.754+/-589.361 χ^2/NDF: 30.8/30

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -880.689+/-609.738 χ^2/NDF: 33.8/31

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

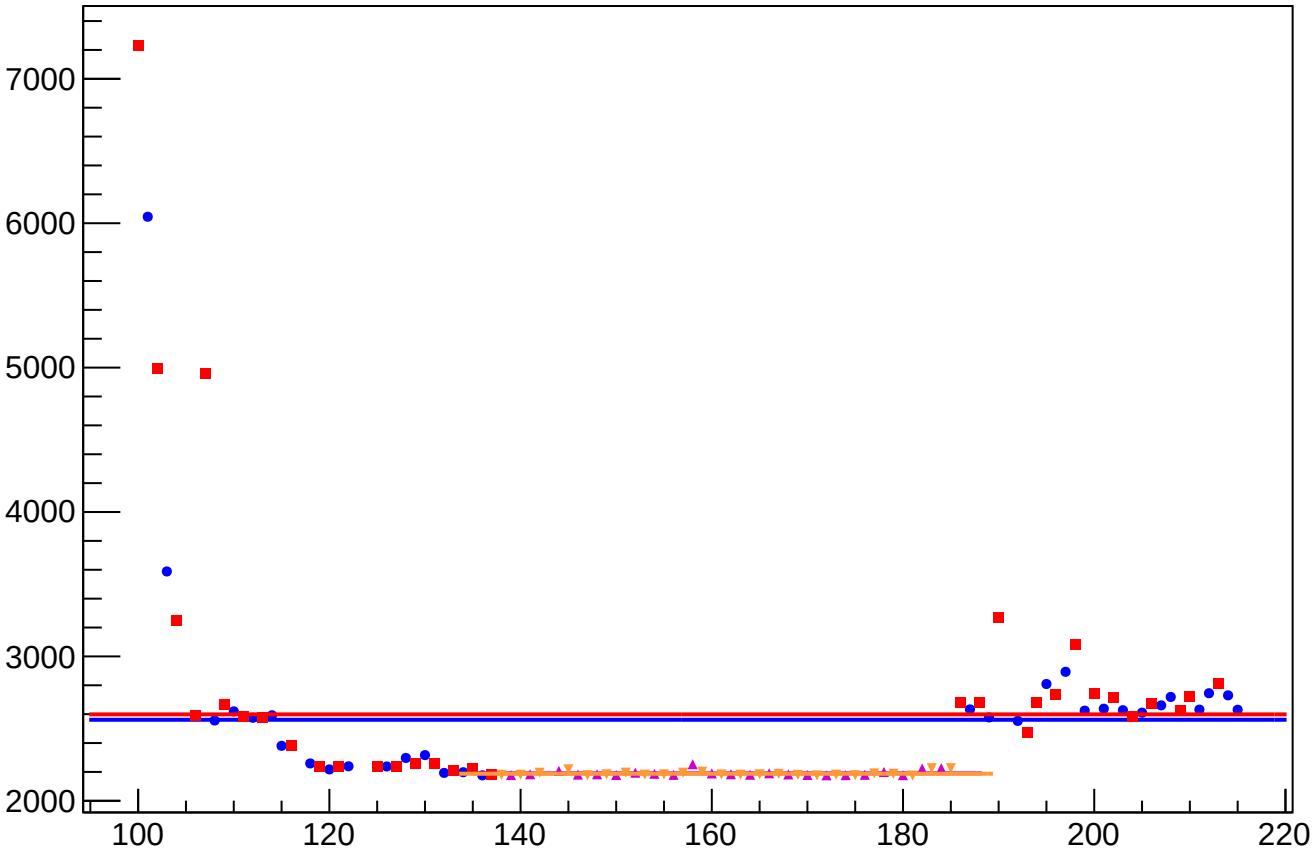
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -310.738+/-423.762 χ^2/NDF: 66.3/62

In: -271.457+/-386.246 χ^2/NDF:59.0/53

Out: -910.991+/-390.164 χ^2/NDF:56.2/55

All: -587.997+/-274.492 χ^2/NDF: 116.6/109



Right In: 2561.259+/-0.417 χ^2/NDF: 797914.3/30

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2598.521+/-0.431 χ^2/NDF: 789705.0/31

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

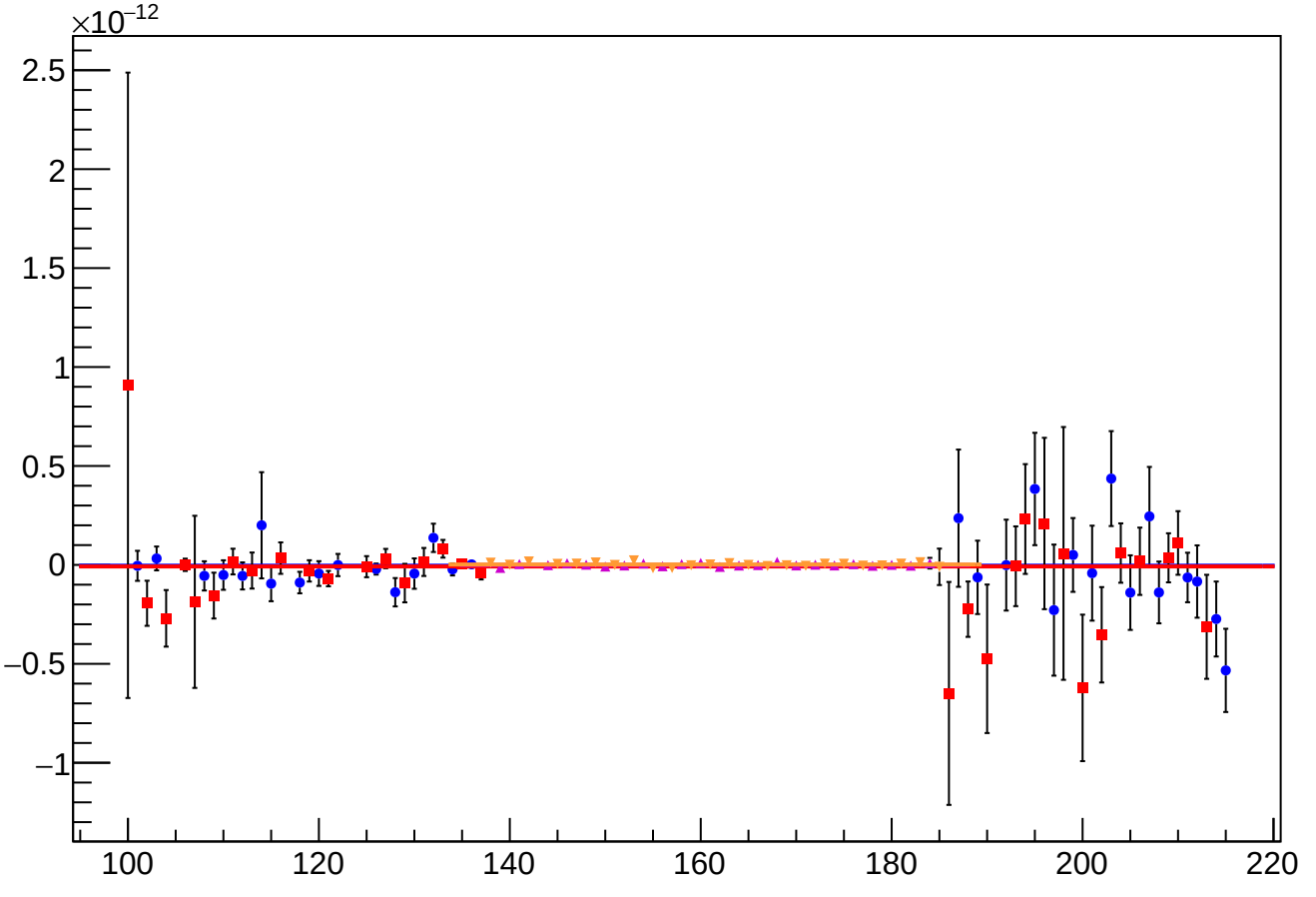
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2579.257+/-0.300 χ^2/NDF: 1591480.9/62

In: 2349.549+/-0.273 χ^2/NDF:1252825.8/53

Out: 2355.866+/-0.276 χ^2/NDF:1327424.3/55

All: 2352.676+/-0.194 χ^2/NDF: 2580514.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.2/31

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

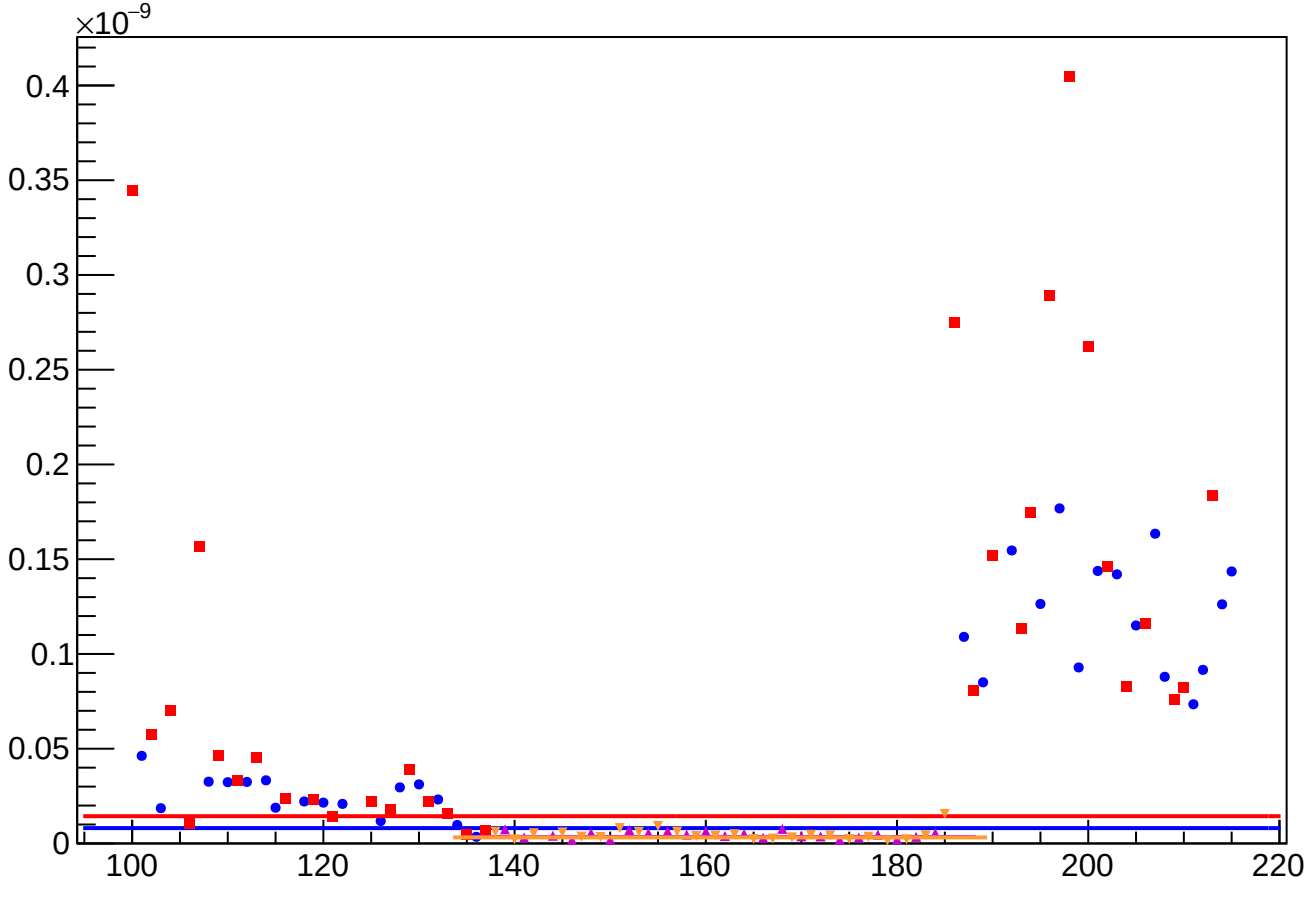
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 65.3/62

In: -0.000+/-0.000 χ^2/NDF:46.7/53

Out: 0.000+/-0.000 χ^2/NDF:52.6/55

All: 0.000+/-0.000 χ^2/NDF: 100.3/109



Right In: 0.000+/-0.000 χ^2/NDF: 11346439.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11041825.1/31

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

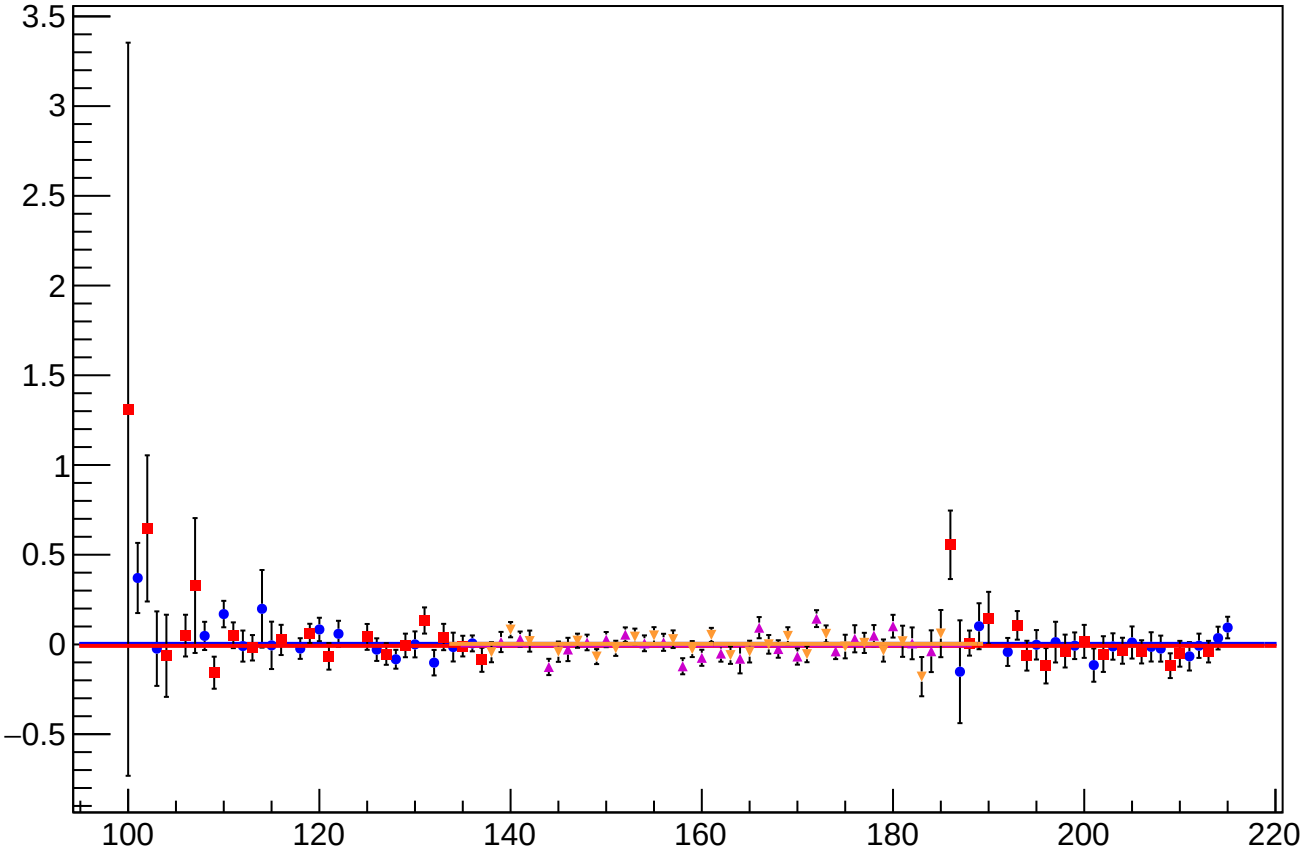
Right: 0.000+/-0.000 χ^2/NDF: 22988937.7/62

In: 0.000+/-0.000 χ^2/NDF:14111774.9/53

Out: 0.000+/-0.000 χ^2/NDF:15758328.1/55

All: 0.000+/-0.000 χ^2/NDF: 29896540.1/109

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.014 χ^2/NDF: 23.7/30

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.008+/-0.014 χ^2/NDF: 34.3/31

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

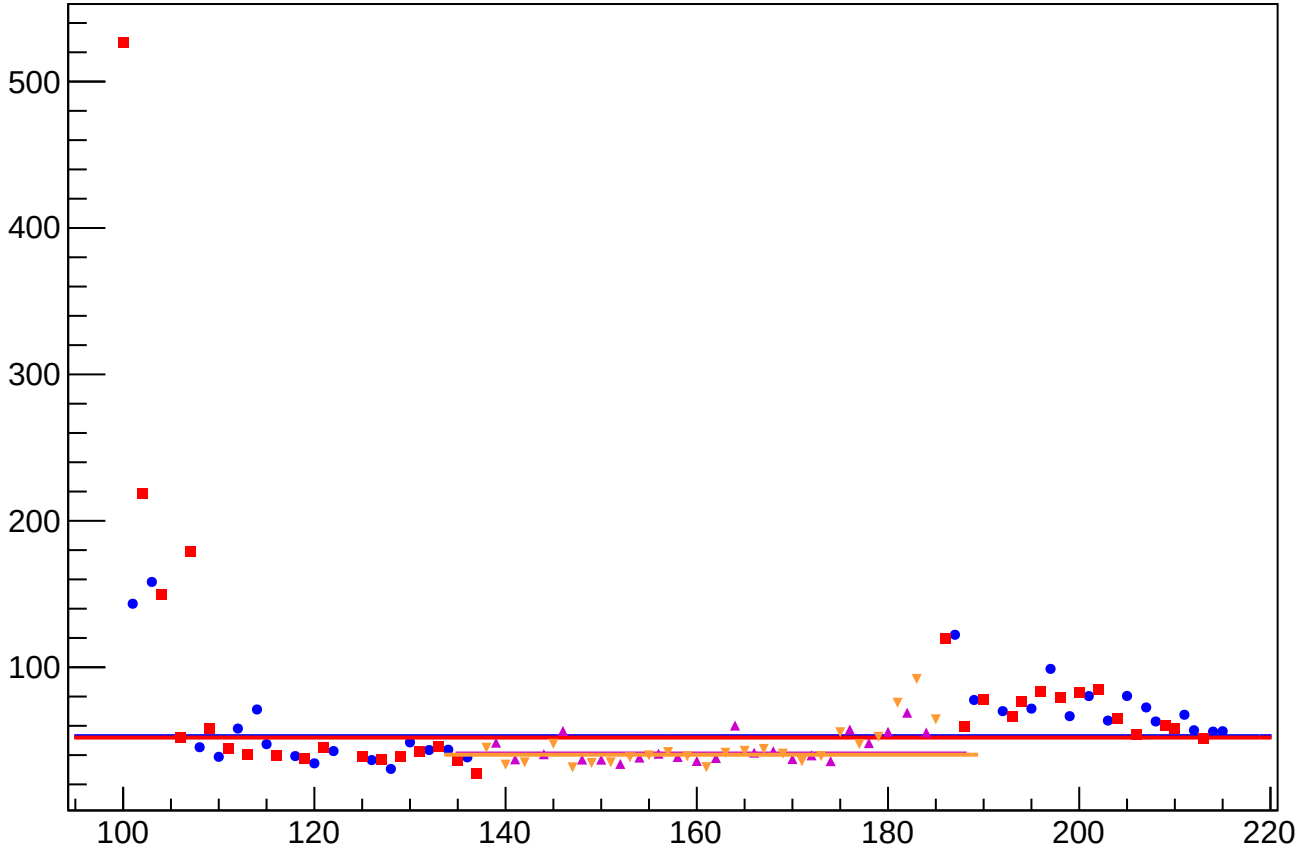
Right: -0.002+/-0.010 χ^2/NDF: 58.3/62

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.001+/-0.006 χ^2/NDF: 122.0/109

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.946+/-0.010 χ^2/NDF: 3583139.9/30

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.968+/-0.010 χ^2/NDF: 3573195.9/31

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

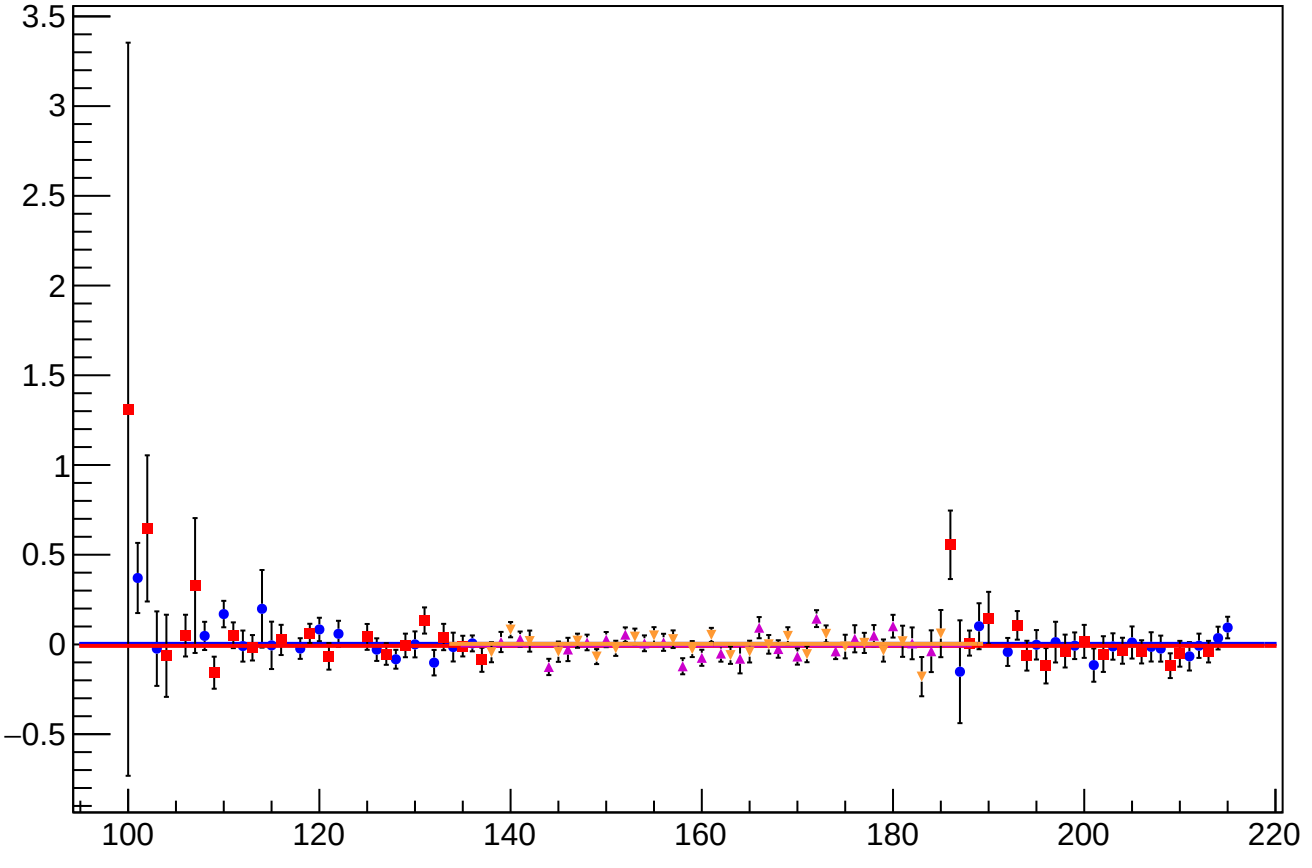
Right: 52.470+/-0.007 χ^2/NDF: 7161270.4/62

In: 45.498+/-0.006 χ^2/NDF:5449102.1/53

Out: 44.379+/-0.006 χ^2/NDF:5954372.1/55

All: 44.938+/-0.004 χ^2/NDF: 11421357.7/109

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.014 χ^2/NDF: 23.7/30

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.008+/-0.014 χ^2/NDF: 34.3/31

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

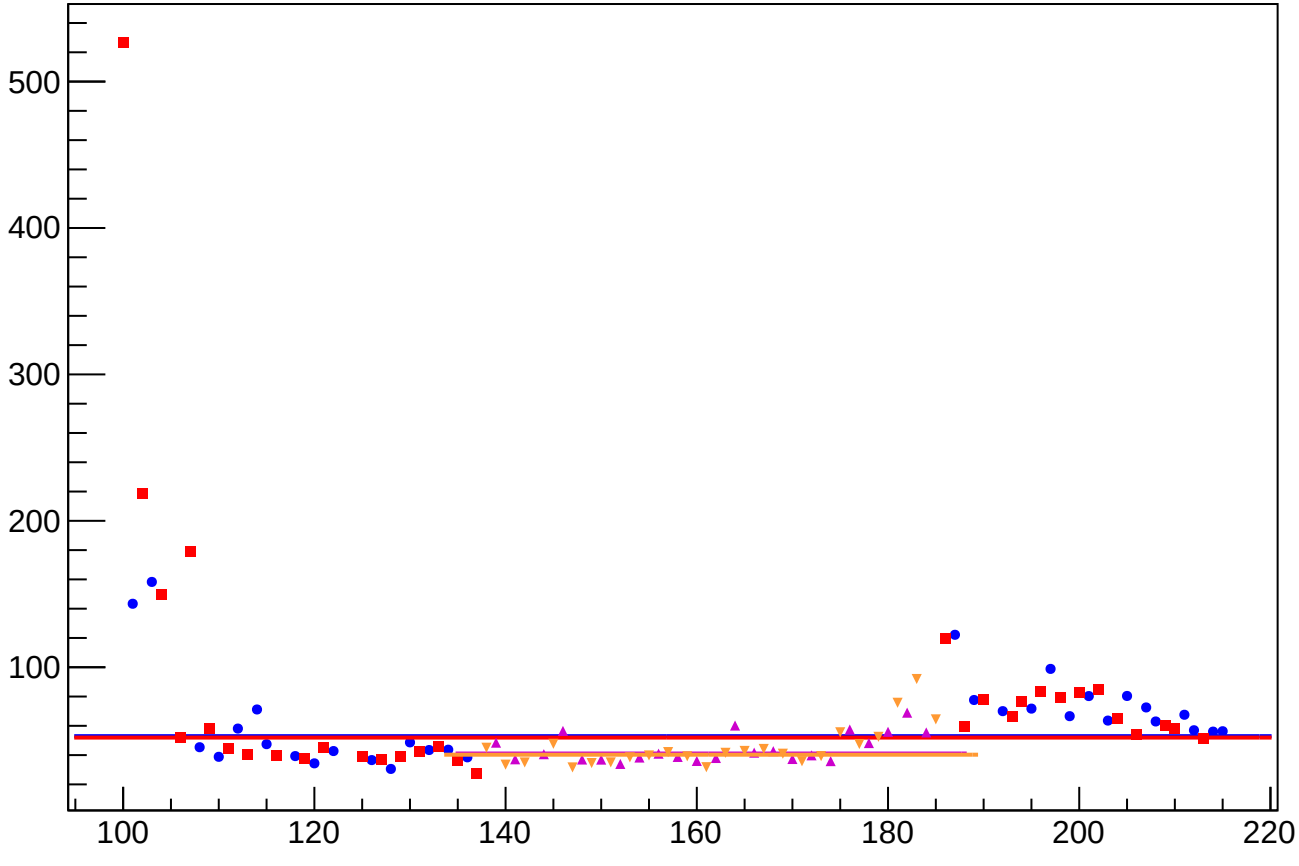
Right: -0.002+/-0.010 χ^2/NDF: 58.3/62

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.001+/-0.006 χ^2/NDF: 122.0/109

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.946+/-0.010 χ^2/NDF: 3583139.9/30

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.968+/-0.010 χ^2/NDF: 3573195.9/31

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

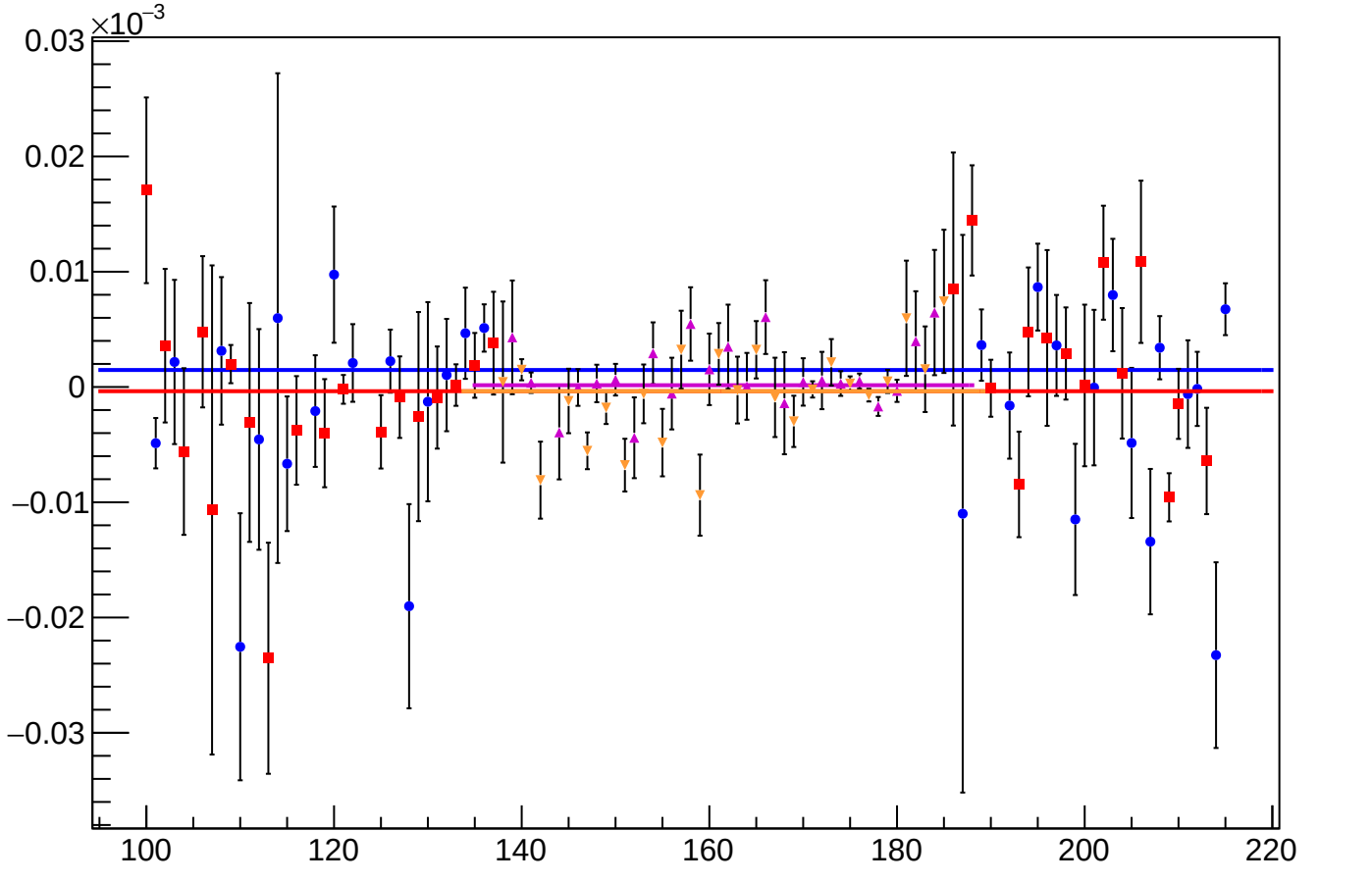
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 52.470+/-0.007 χ^2/NDF: 7161270.4/62

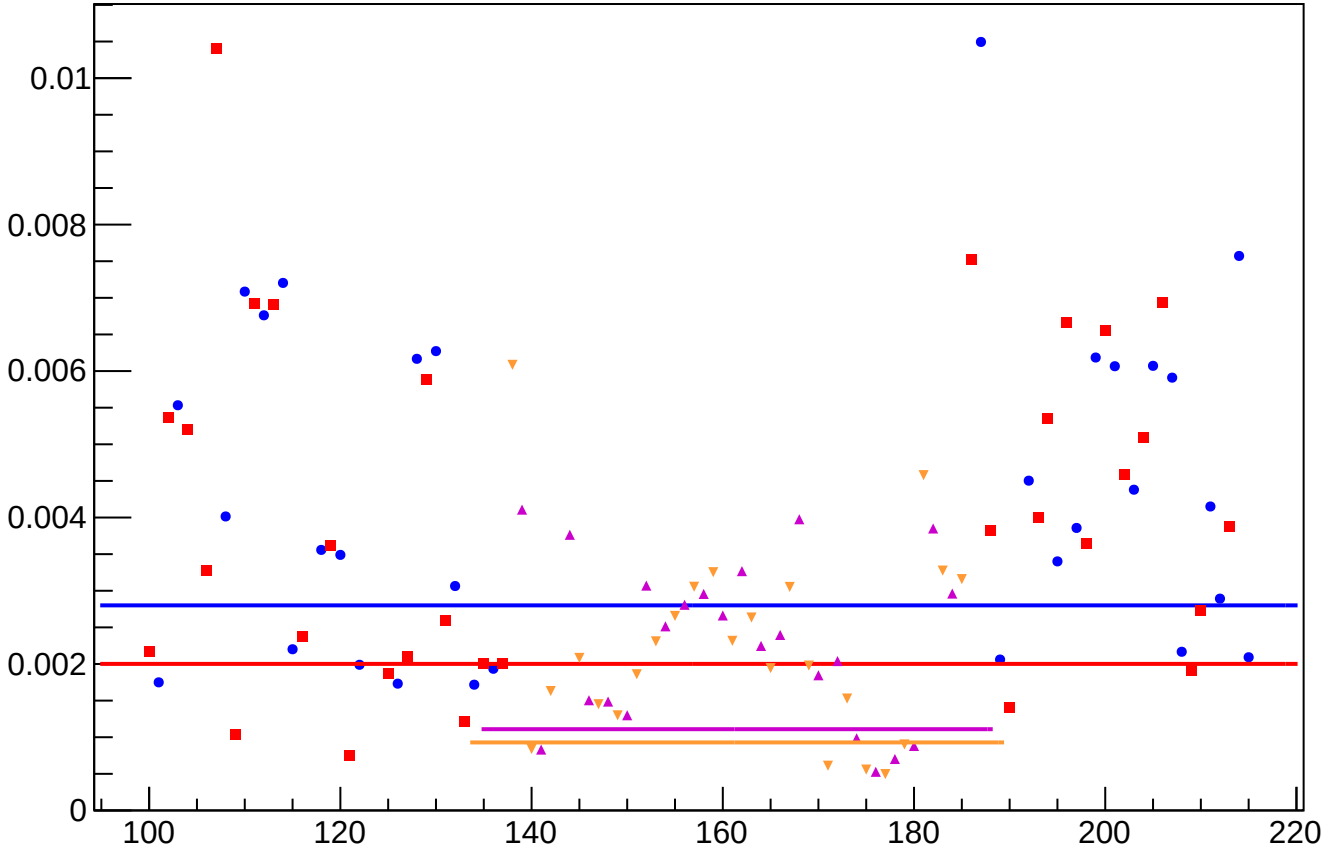
In: 45.498+/-0.006 χ^2/NDF:5449102.1/53

Out: 44.379+/-0.006 χ^2/NDF:5954372.1/55

All: 44.938+/-0.004 χ^2/NDF: 11421357.7/109


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: 60.3/30
Left Out: -0.000+/-0.000 χ²/NDF:51.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 62.0/31
Left In: 0.000+/-0.000 χ²/NDF:19.9/22
Left: -0.000+/-0.000 χ²/NDF: 72.6/46
Right: 0.000+/-0.000 χ²/NDF: 126.1/62
In: 0.000+/-0.000 χ²/NDF:82.9/53
Out: -0.000+/-0.000 χ²/NDF:113.2/55
All: -0.000+/-0.000 χ²/NDF: 199.7/109

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: 7308322.9/30

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 12381736.7/31

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

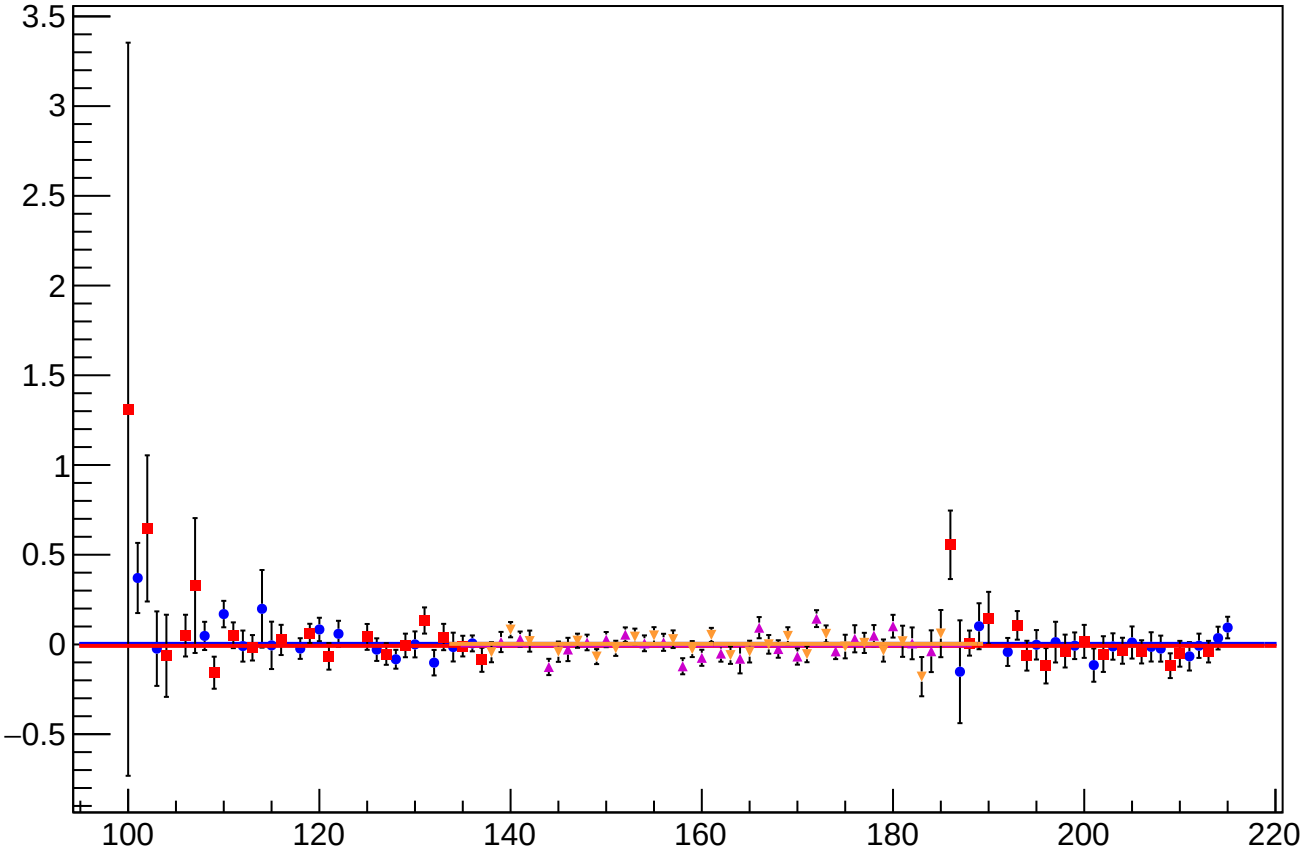
Right: 0.002+/-0.000 χ^2/NDF: 21119628.8/62

In: 0.001+/-0.000 χ^2/NDF:27201034.8/53

Out: 0.001+/-0.000 χ^2/NDF:30233193.5/55

All: 0.001+/-0.000 χ^2/NDF: 58341168.8/109

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.014 χ^2/NDF: 23.7/30

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.008+/-0.014 χ^2/NDF: 34.3/31

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

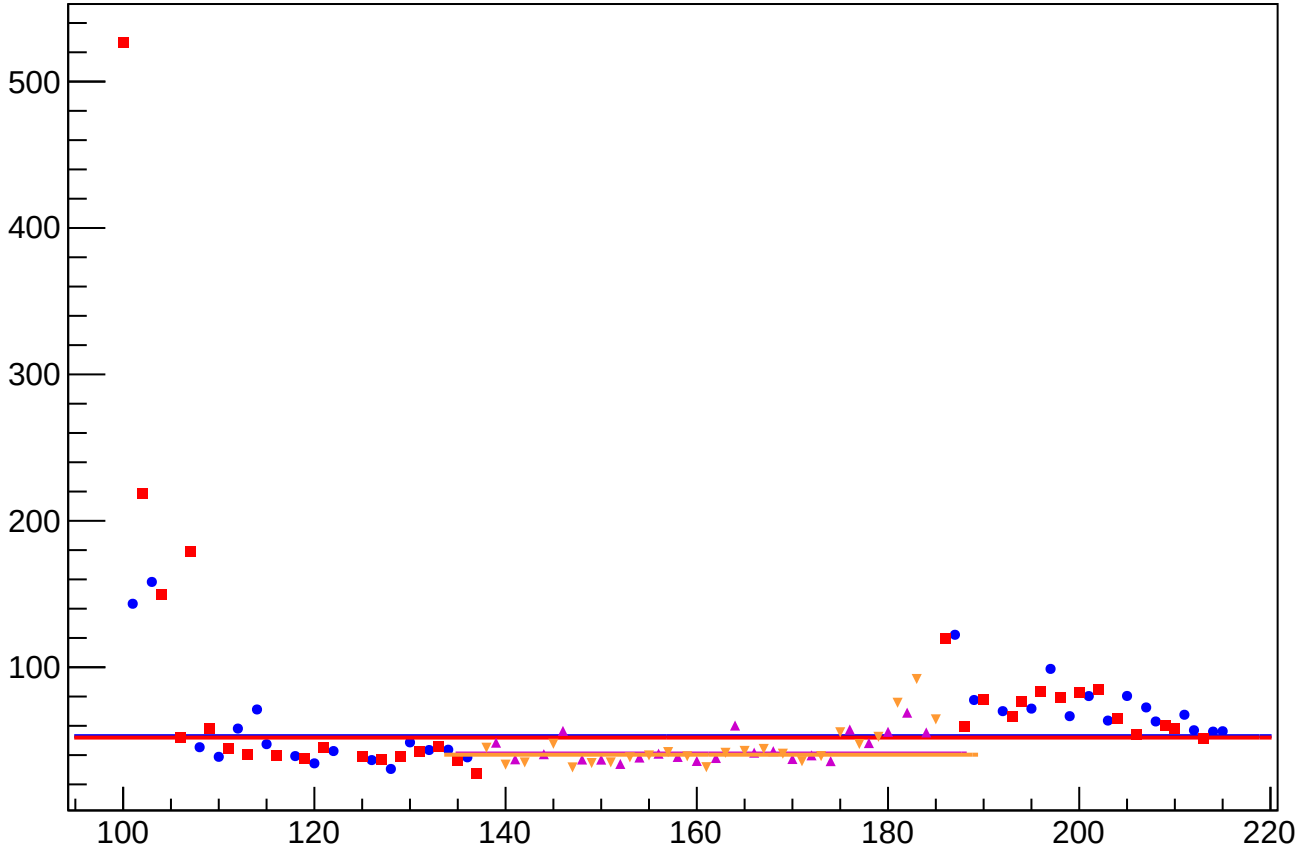
Right: -0.002+/-0.010 χ^2/NDF: 58.3/62

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.001+/-0.006 χ^2/NDF: 122.0/109

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.944+/-0.010 χ^2/NDF: 3583785.5/30

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.969+/-0.010 χ^2/NDF: 3573159.0/31

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

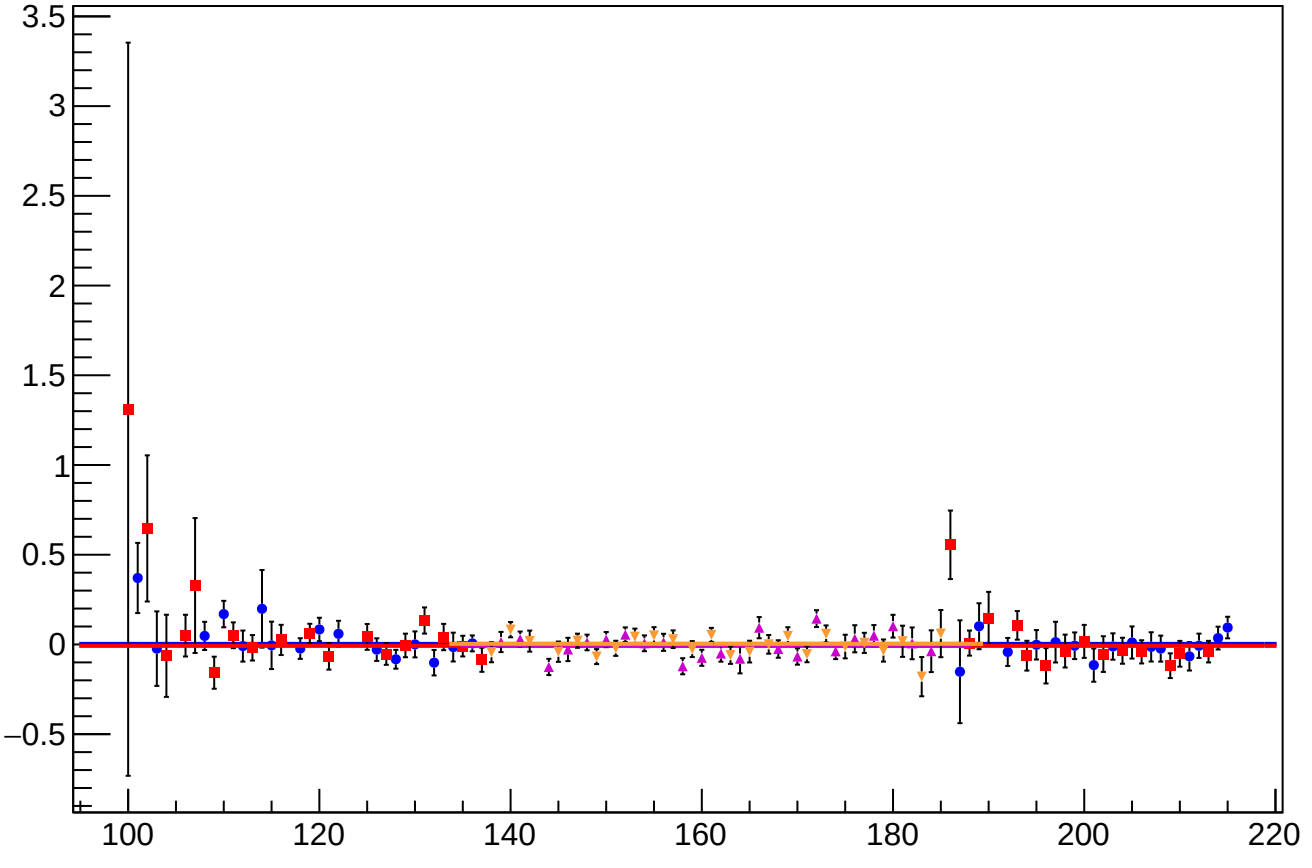
Right: 52.470+/-0.007 χ^2/NDF: 7161855.1/62

In: 45.497+/-0.006 χ^2/NDF:5449532.2/53

Out: 44.380+/-0.006 χ^2/NDF:5954391.3/55

All: 44.938+/-0.004 χ^2/NDF: 11421781.7/109

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.014 χ^2/NDF: 23.7/30

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.008+/-0.014 χ^2/NDF: 34.3/31

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

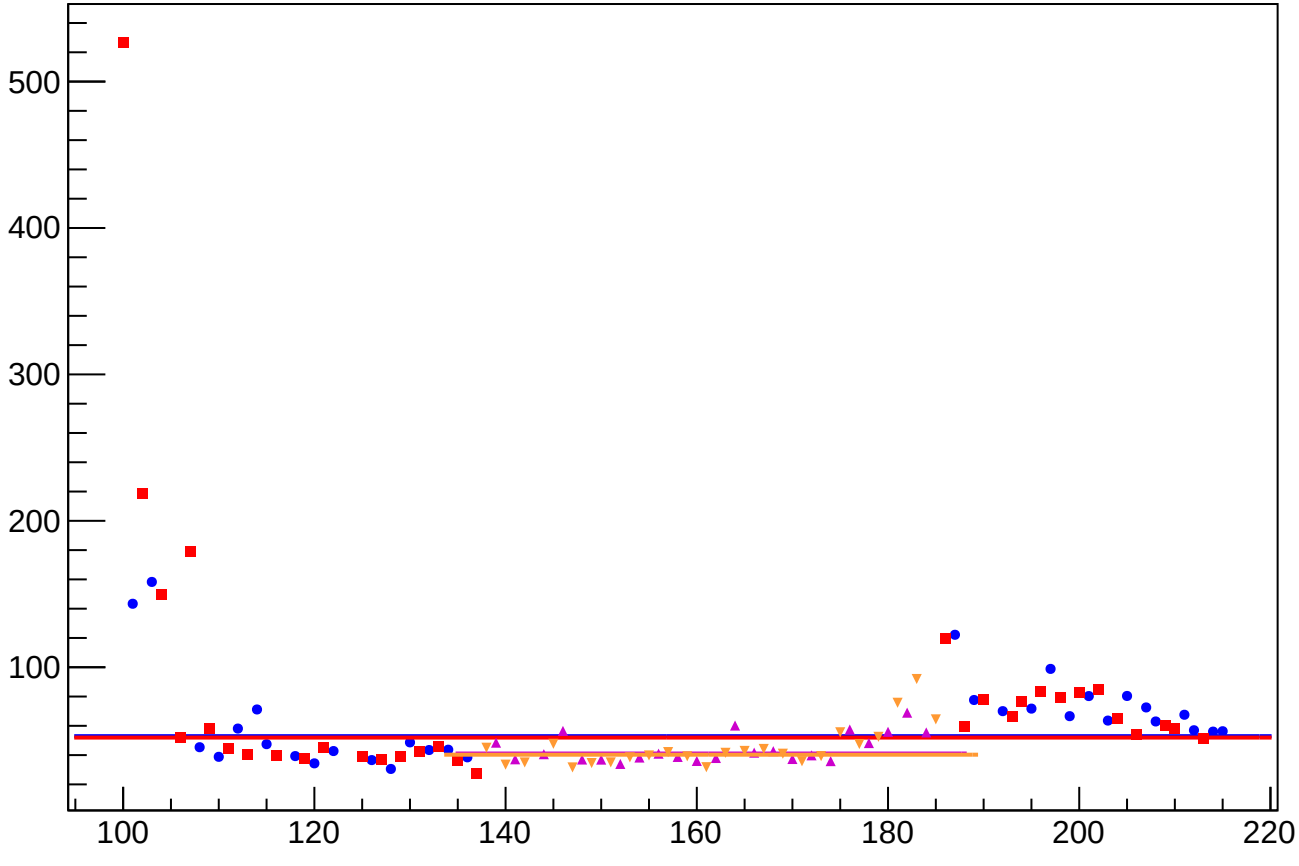
Right: -0.002+/-0.010 χ^2/NDF: 58.3/62

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.001+/-0.008 χ^2/NDF:56.6/55

All: -0.001+/-0.006 χ^2/NDF: 122.0/109

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.944+/-0.010 χ^2/NDF: 3583785.5/30

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.969+/-0.010 χ^2/NDF: 3573159.0/31

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

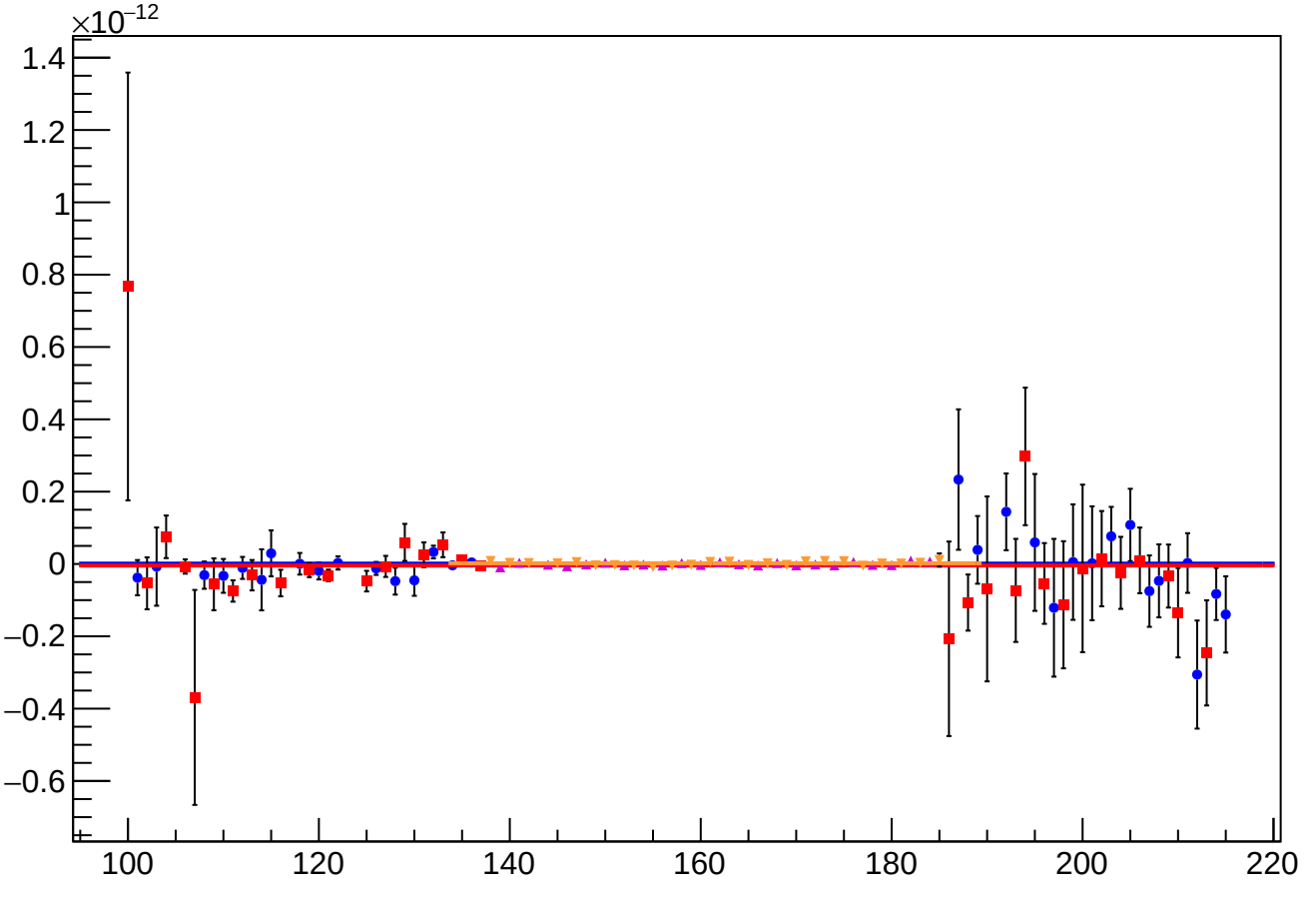
Right: 52.470+/-0.007 χ^2/NDF: 7161855.1/62

In: 45.497+/-0.006 χ^2/NDF:5449532.2/53

Out: 44.380+/-0.006 χ^2/NDF:5954391.3/55

All: 44.938+/-0.004 χ^2/NDF: 11421781.7/109

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: 24.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 38.7/31

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

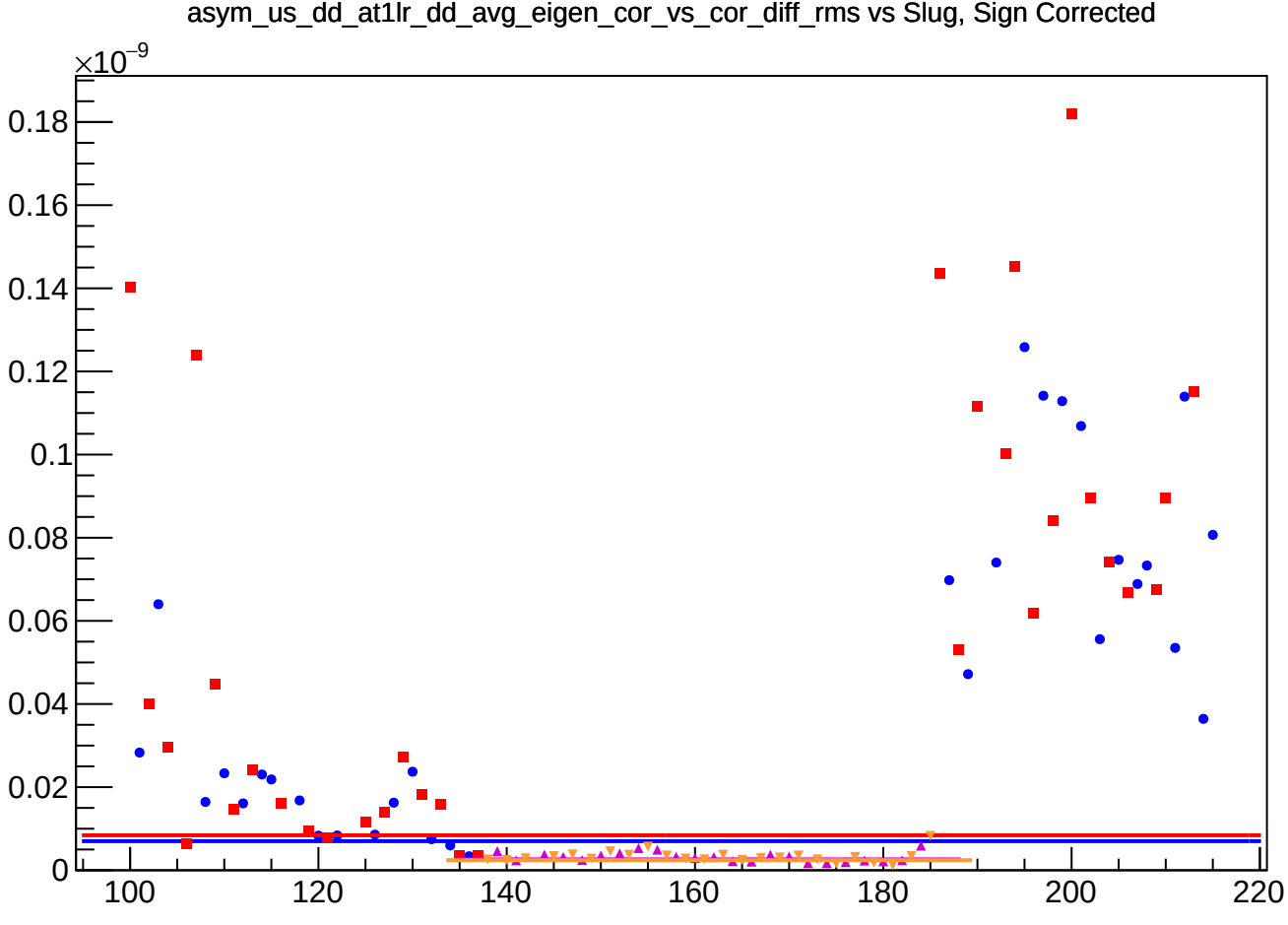
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

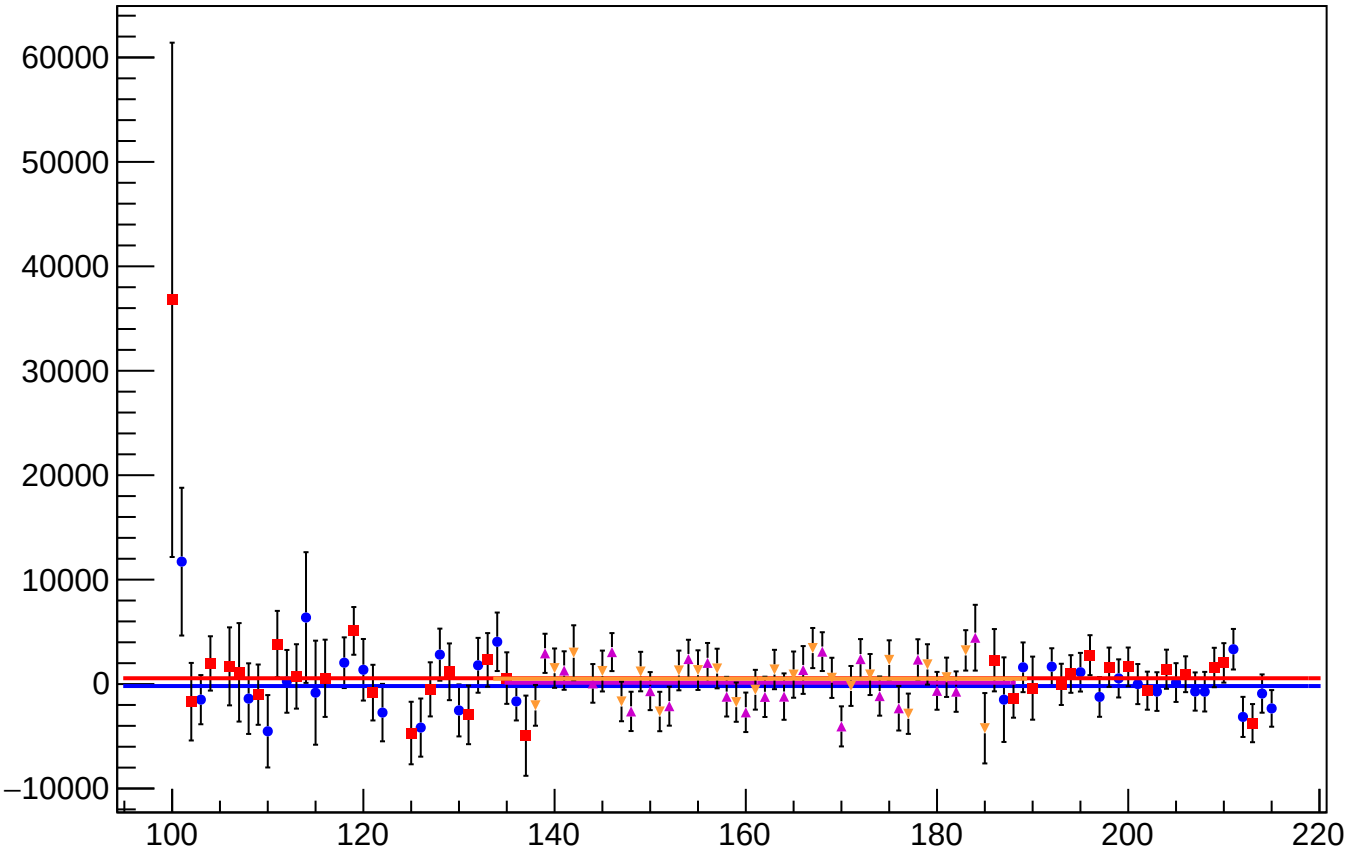
Right: -0.000+/-0.000 χ^2/NDF: 64.0/62

In: -0.000+/-0.000 χ^2/NDF:47.8/53

Out: 0.000+/-0.000 χ^2/NDF:65.5/55

All: 0.000+/-0.000 χ^2/NDF: 116.6/109


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: 14202304.5/30
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 14617694.8/31
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 28927201.8/62
In: 0.000+/-0.000 χ²/NDF:18591090.7/53
Out: 0.000+/-0.000 χ²/NDF:20574608.9/55
All: 0.000+/-0.000 χ²/NDF: 39237634.8/109



Right In: -189.273+/-408.073 χ^2/NDF: 26.2/30

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 557.589+/-419.543 χ^2/NDF: 26.6/31

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

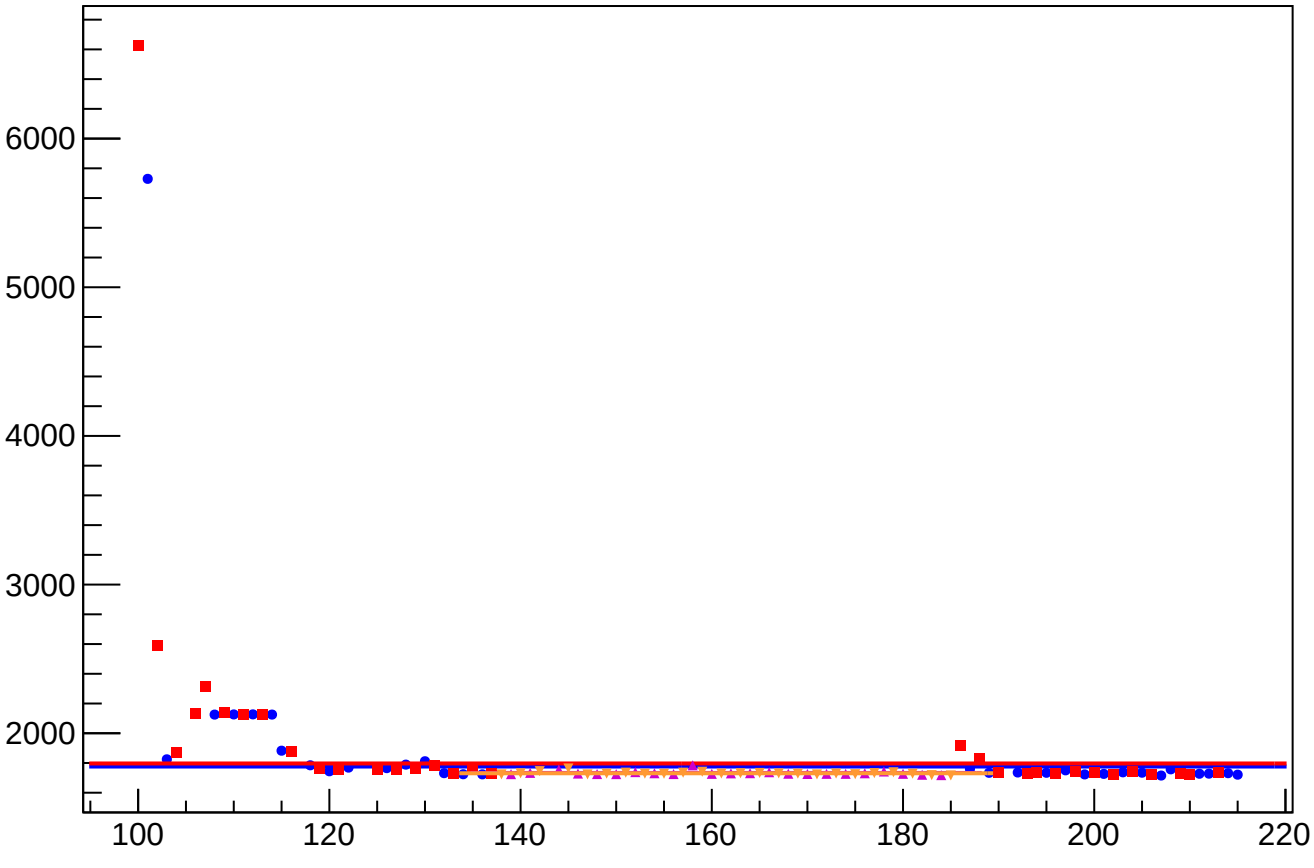
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 173.809+/-292.522 χ^2/NDF: 54.4/62

In: -30.285+/-287.326 χ^2/NDF:55.9/53

Out: 537.942+/-290.150 χ^2/NDF:47.4/55

All: 251.050+/-204.161 χ^2/NDF: 105.3/109



Right In: 1776.169+/-0.289 χ^2/NDF: 721084.3/30

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1796.716+/-0.297 χ^2/NDF: 319956.5/31

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

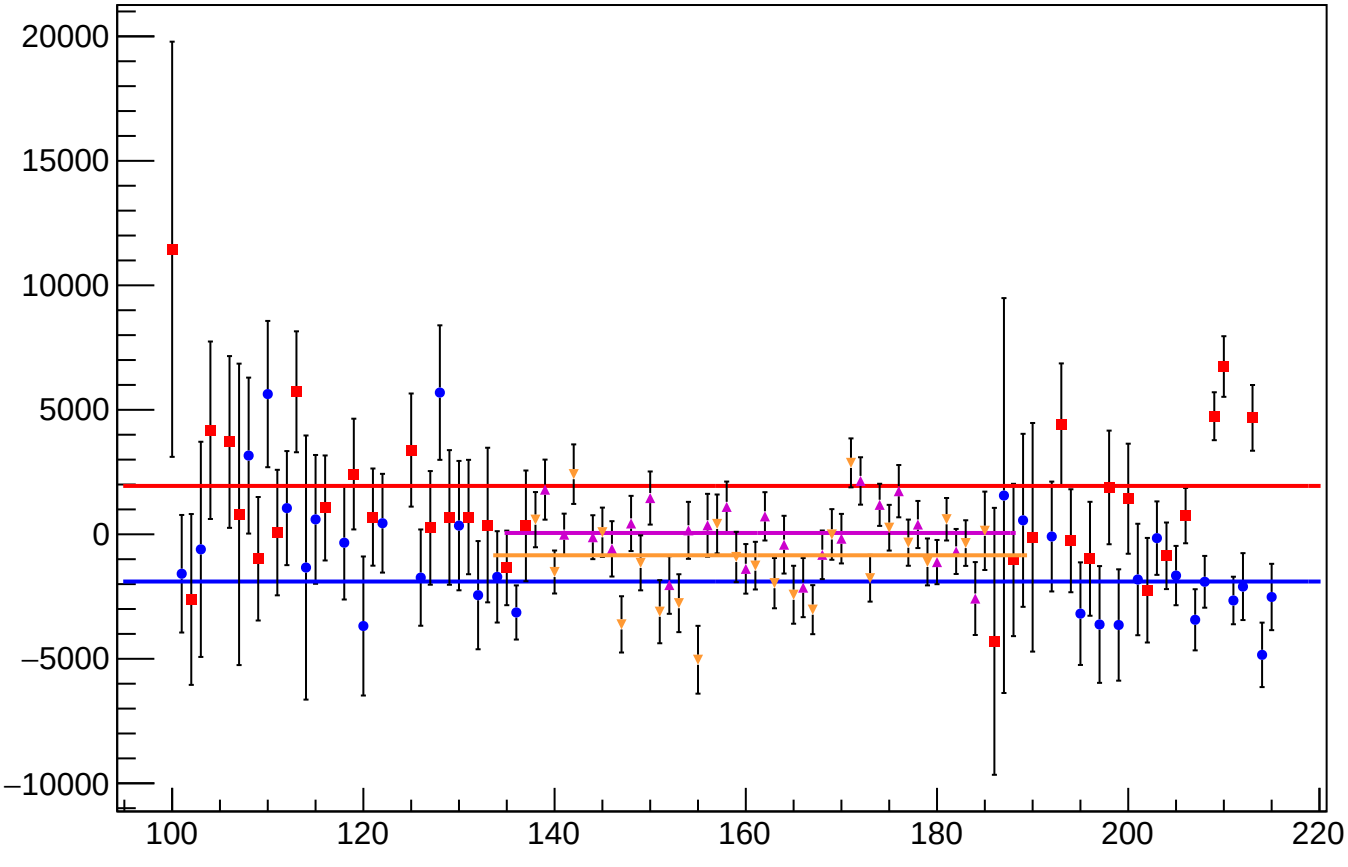
Right: 1786.158+/-0.207 χ^2/NDF: 1043505.8/62

In: 1754.405+/-0.203 χ^2/NDF:734603.6/53

Out: 1762.351+/-0.205 χ^2/NDF:346645.9/55

All: 1758.339+/-0.144 χ^2/NDF: 1082006.9/10

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1896.254+/-316.355 χ^2/NDF: 36.1/30

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 1943.430+/-352.820 χ^2/NDF: 60.0/31

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

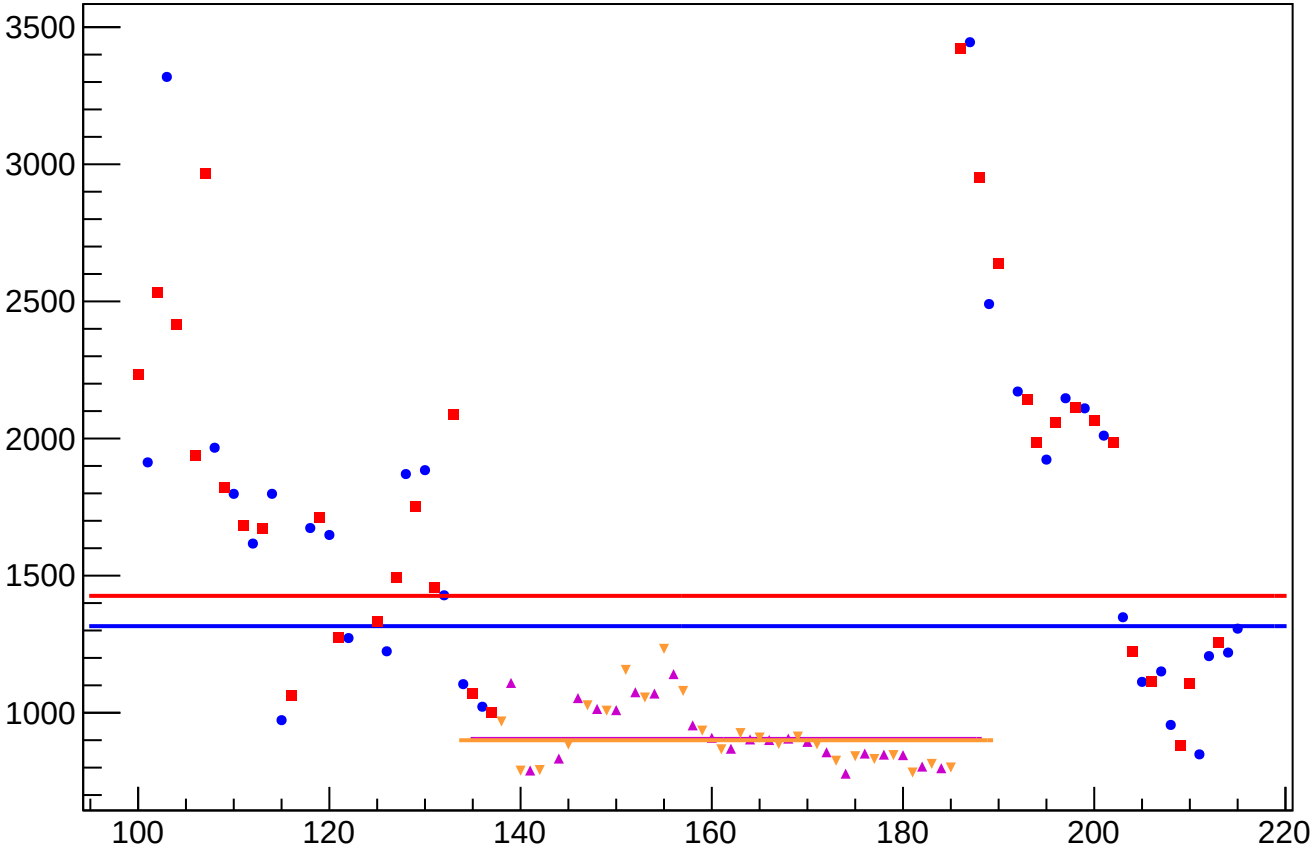
Right: -185.024+/-235.537 χ^2/NDF: 161.8/62

In: -554.260+/-176.665 χ^2/NDF:92.9/53

Out: -109.303+/-180.994 χ^2/NDF:168.6/55

All: -337.166+/-126.424 χ^2/NDF: 264.6/109

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1315.848+/-0.224 χ^2/NDF: 3607920.3/30

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1426.284+/-0.249 χ^2/NDF: 3951796.4/31

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

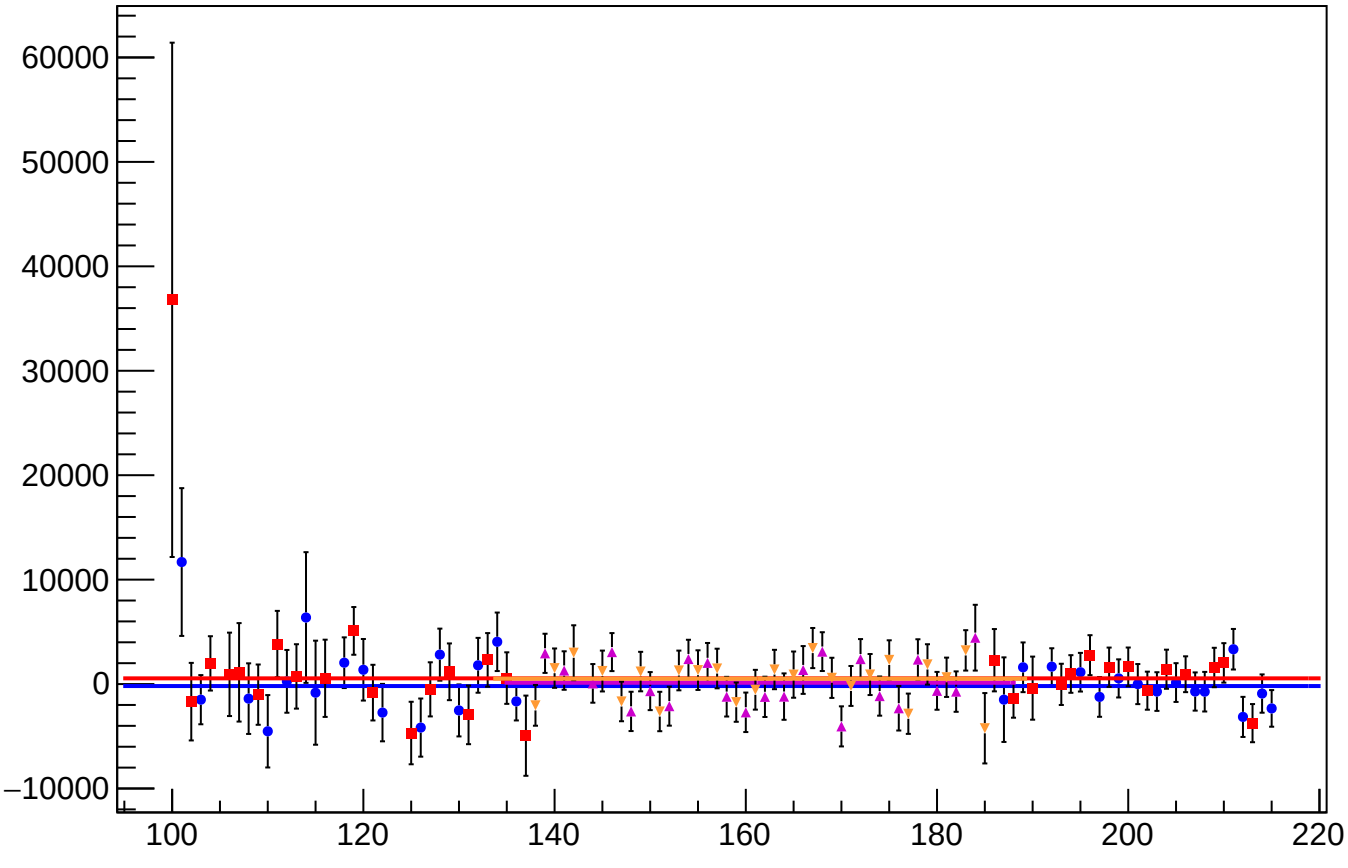
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1365.066+/-0.167 χ^2/NDF: 7668339.0/62

In: 1032.888+/-0.125 χ^2/NDF:6385315.8/53

Out: 1038.359+/-0.128 χ^2/NDF:7728444.9/55

All: 1035.557+/-0.089 χ^2/NDF: 14114696.6/1



Right In: -189.582+/-408.073 χ^2/NDF: 26.2/30

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 547.462+/-419.875 χ^2/NDF: 26.5/31

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

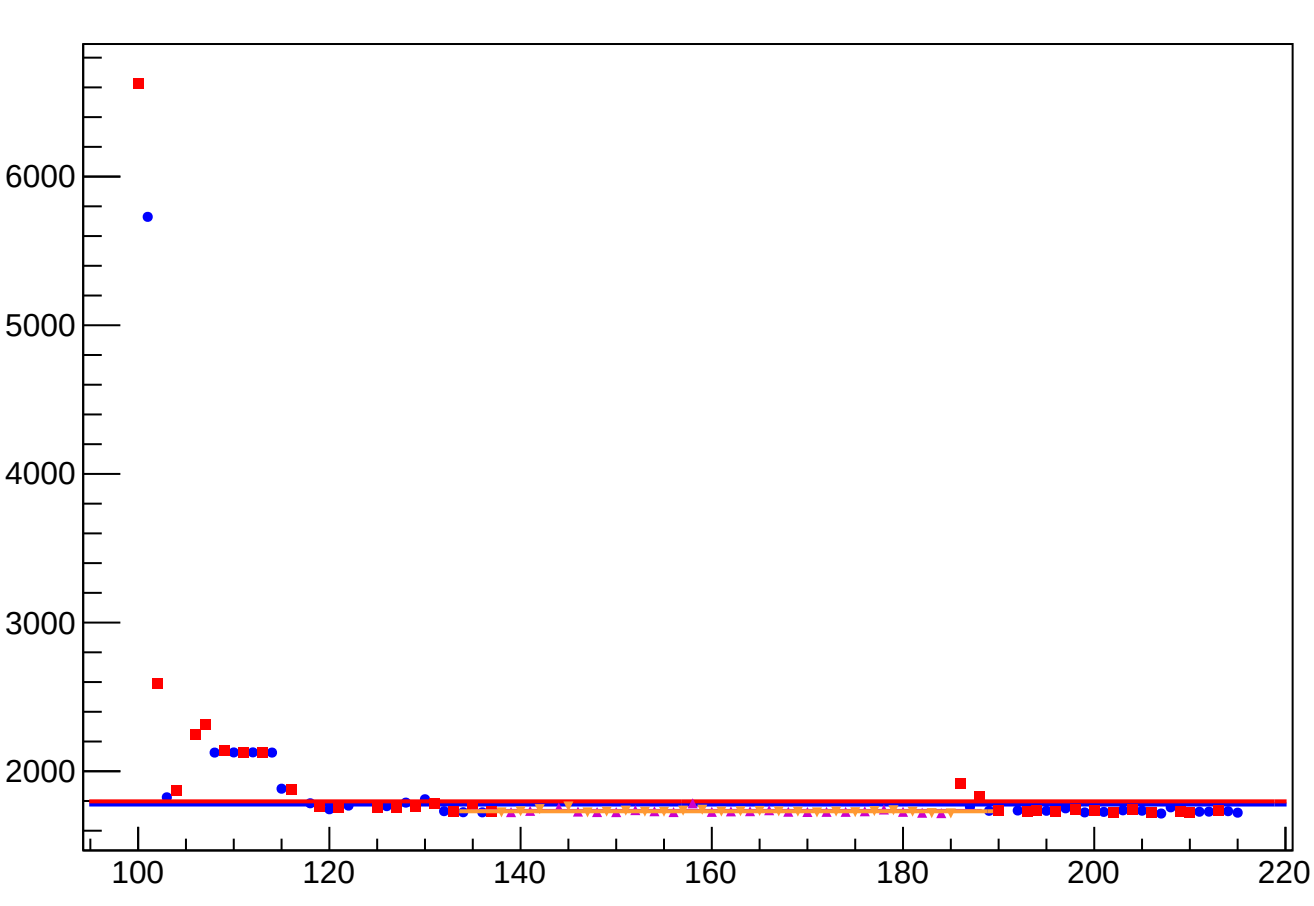
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 168.436+/-292.635 χ^2/NDF: 54.3/62

In: -30.408+/-287.326 χ^2/NDF:55.9/53

Out: 533.101+/-290.259 χ^2/NDF:47.3/55

All: 248.485+/-204.199 χ^2/NDF: 105.1/109



Right In: 1776.169+/-0.289 χ^2/NDF: 721084.1/30

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1797.474+/-0.297 χ^2/NDF: 329455.6/31

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

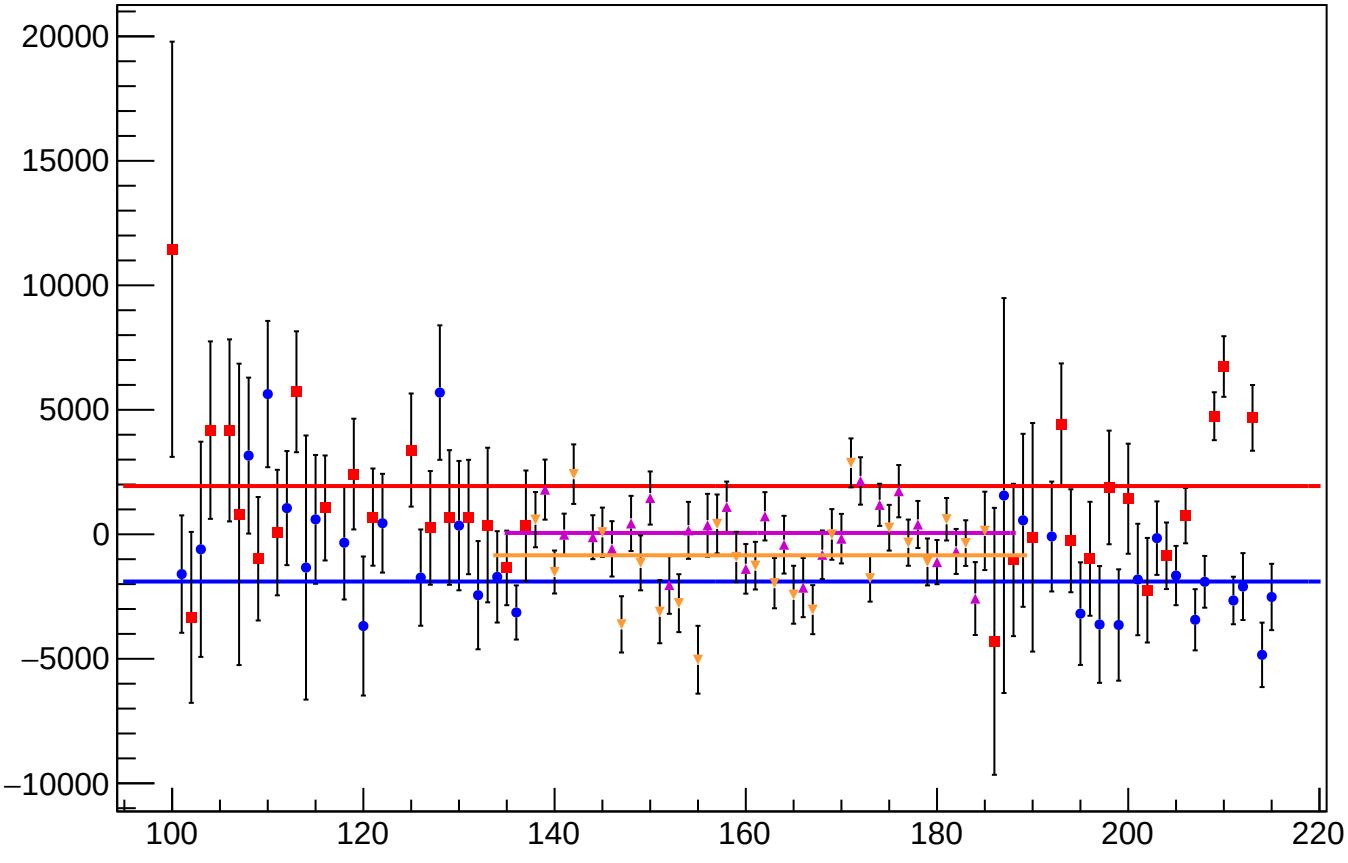
Right: 1786.518+/-0.207 χ^2/NDF: 1053187.9/62

In: 1754.405+/-0.203 χ^2/NDF:734603.4/53

Out: 1762.688+/-0.205 χ^2/NDF:356718.7/55

All: 1758.504+/-0.144 χ^2/NDF: 1092144.7/10

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1896.452+/-316.346 χ^2/NDF: 36.1/30

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 1938.163+/-353.021 χ^2/NDF: 60.7/31

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

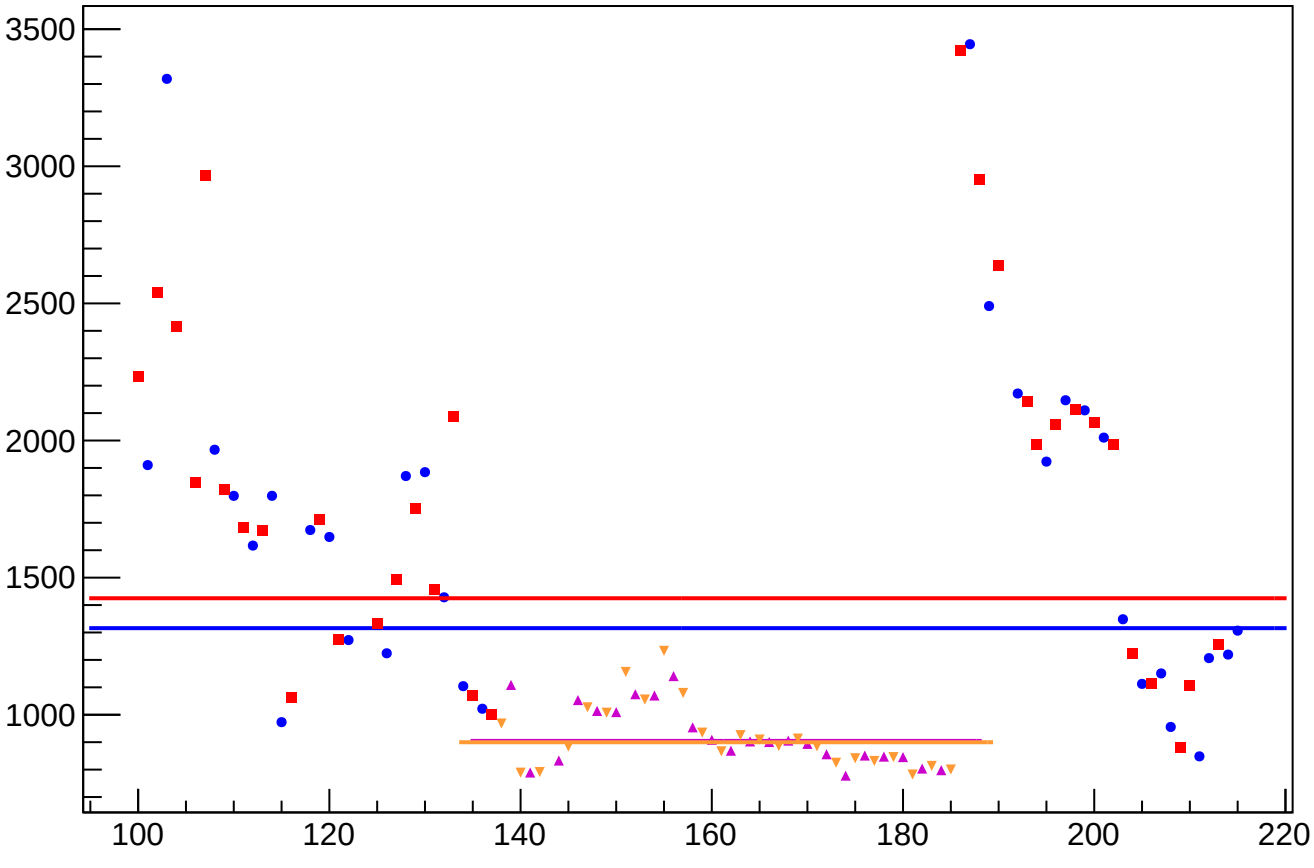
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -188.615+/-235.593 χ^2/NDF: 162.3/62

In: -554.327+/-176.663 χ^2/NDF:92.9/53

Out: -111.328+/-181.022 χ^2/NDF:169.1/55

All: -338.225+/-126.432 χ^2/NDF: 265.1/109



Right In: 1315.823+/-0.224 χ^2/NDF: 3607243.2/30

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1424.863+/-0.250 χ^2/NDF: 3935973.8/31

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

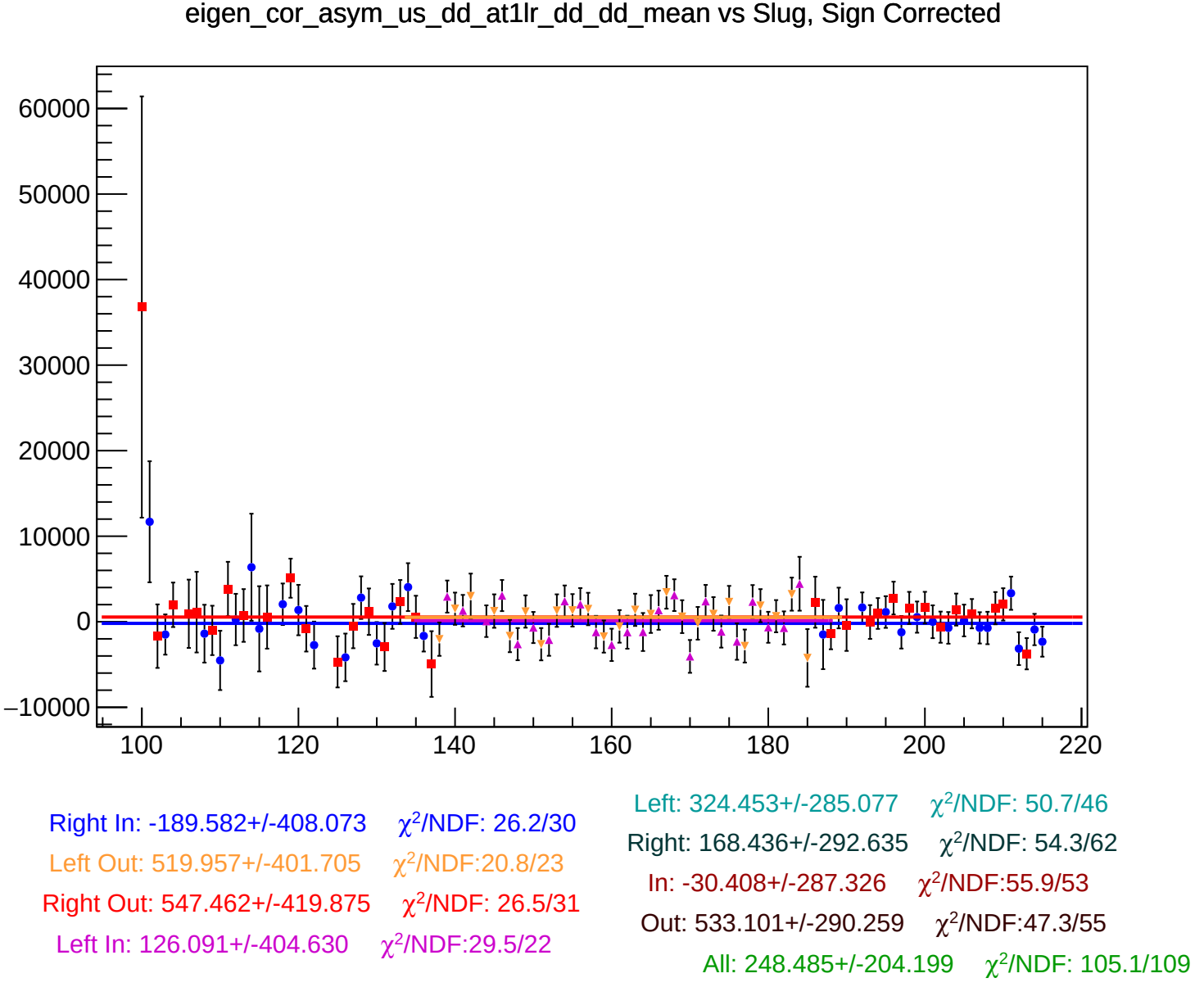
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

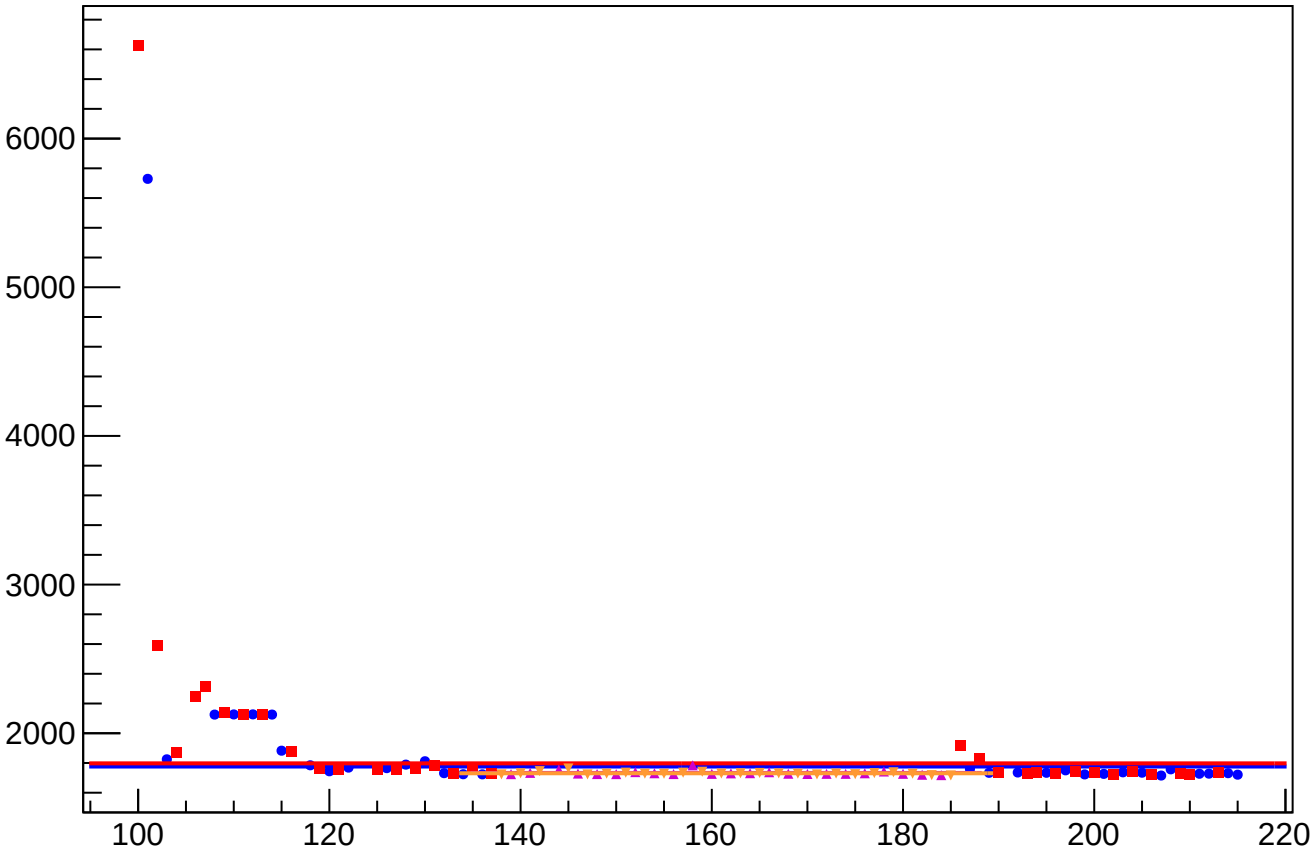
Right: 1364.387+/-0.167 χ^2/NDF: 7649043.8/62

In: 1032.882+/-0.125 χ^2/NDF:6384501.1/53

Out: 1037.871+/-0.128 χ^2/NDF:7692092.1/55

All: 1035.316+/-0.089 χ^2/NDF: 14077371.2/1


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: -189.582+/-408.073 χ²/NDF: 26.2/30
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 547.462+/-419.875 χ²/NDF: 26.5/31
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 168.436+/-292.635 χ²/NDF: 54.3/62
In: -30.408+/-287.326 χ²/NDF:55.9/53
Out: 533.101+/-290.259 χ²/NDF:47.3/55
All: 248.485+/-204.199 χ²/NDF: 105.1/109



Right In: 1776.169+/-0.289 χ^2/NDF: 721084.1/30

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1797.474+/-0.297 χ^2/NDF: 329455.6/31

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

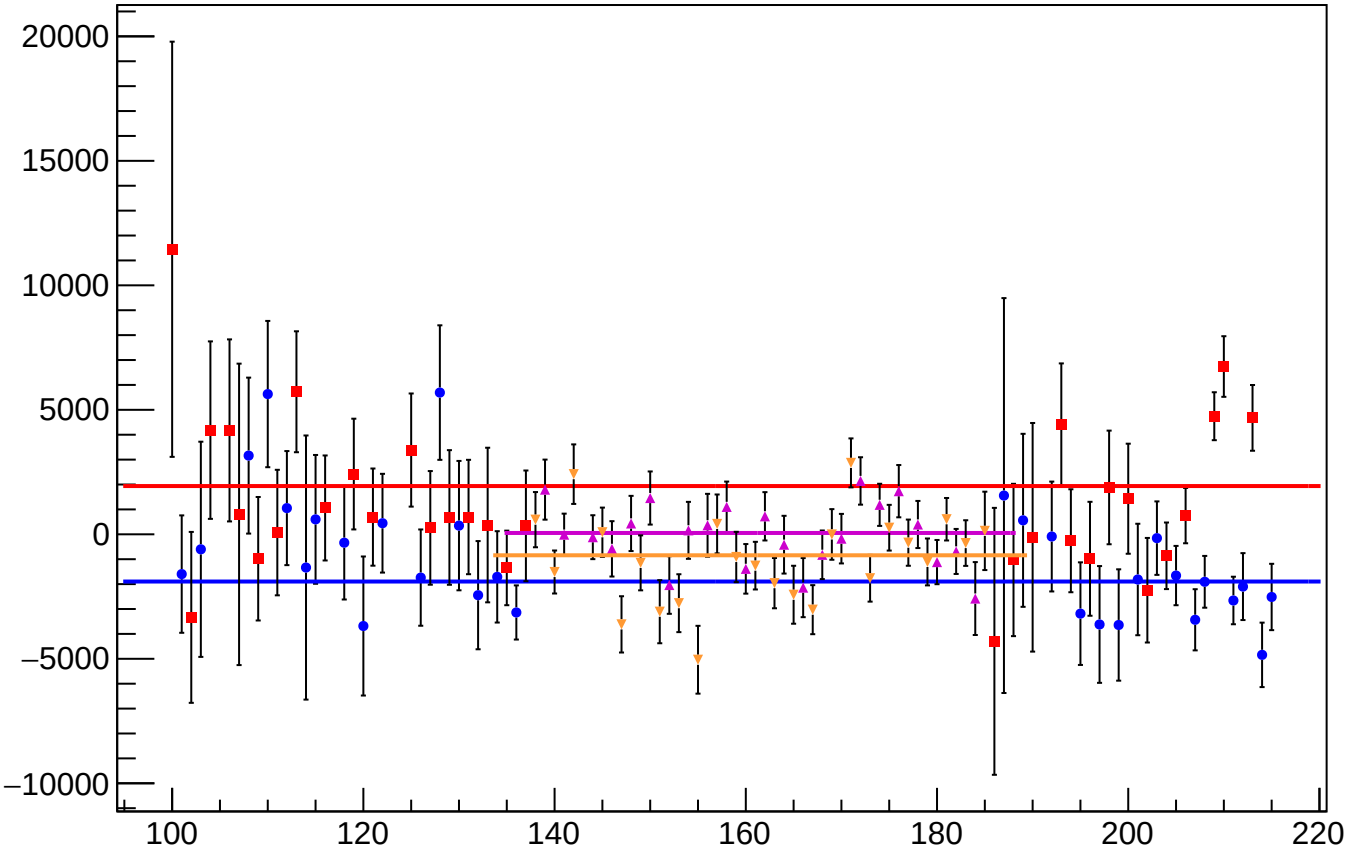
Right: 1786.518+/-0.207 χ^2/NDF: 1053187.9/62

In: 1754.405+/-0.203 χ^2/NDF:734603.4/53

Out: 1762.688+/-0.205 χ^2/NDF:356718.7/55

All: 1758.504+/-0.144 χ^2/NDF: 1092144.7/10

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1896.452+/-316.346 χ^2/NDF: 36.1/30

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 1938.163+/-353.021 χ^2/NDF: 60.7/31

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

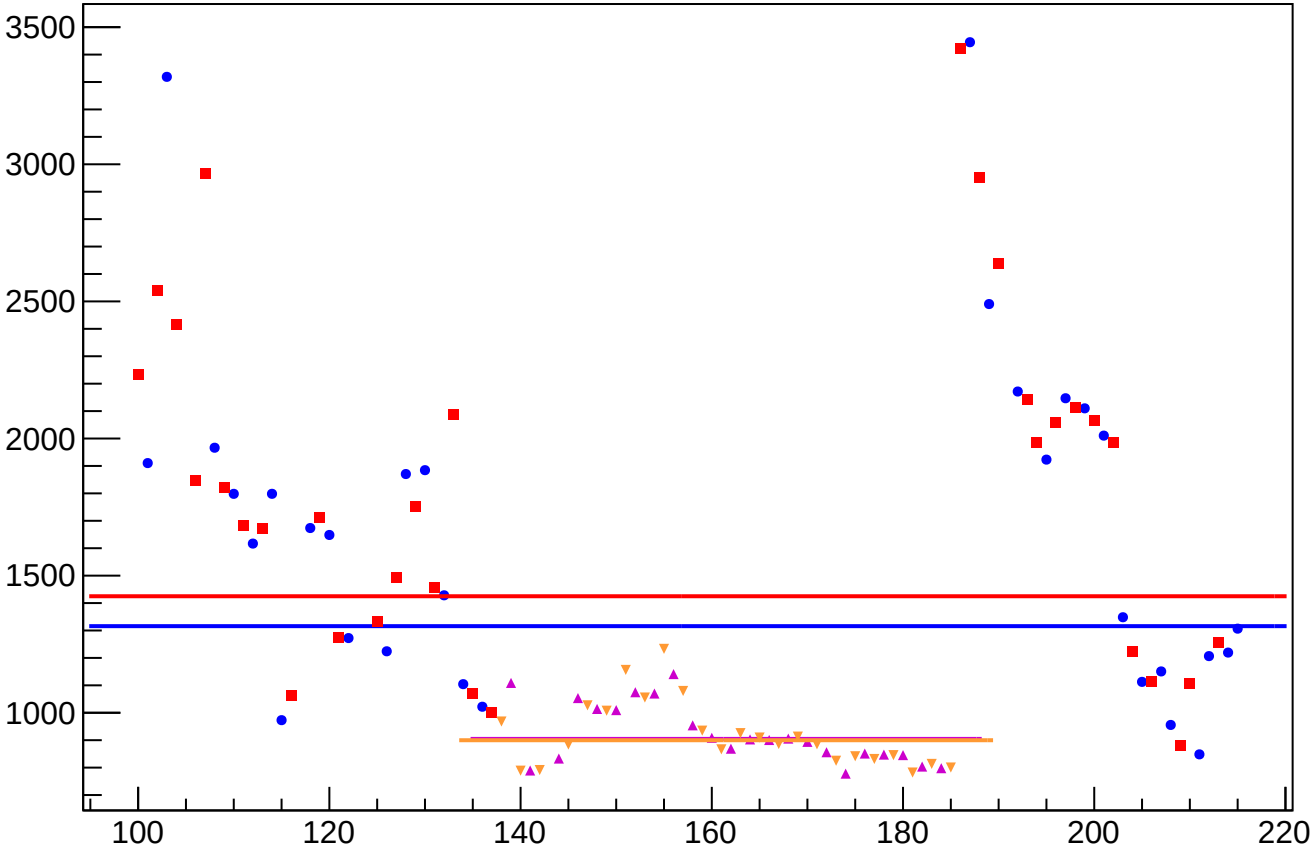
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -188.615+/-235.593 χ^2/NDF: 162.3/62

In: -554.327+/-176.663 χ^2/NDF:92.9/53

Out: -111.328+/-181.022 χ^2/NDF:169.1/55

All: -338.225+/-126.432 χ^2/NDF: 265.1/109



Right In: 1315.823+/-0.224 χ^2/NDF: 3607243.2/30

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1424.863+/-0.250 χ^2/NDF: 3935973.8/31

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

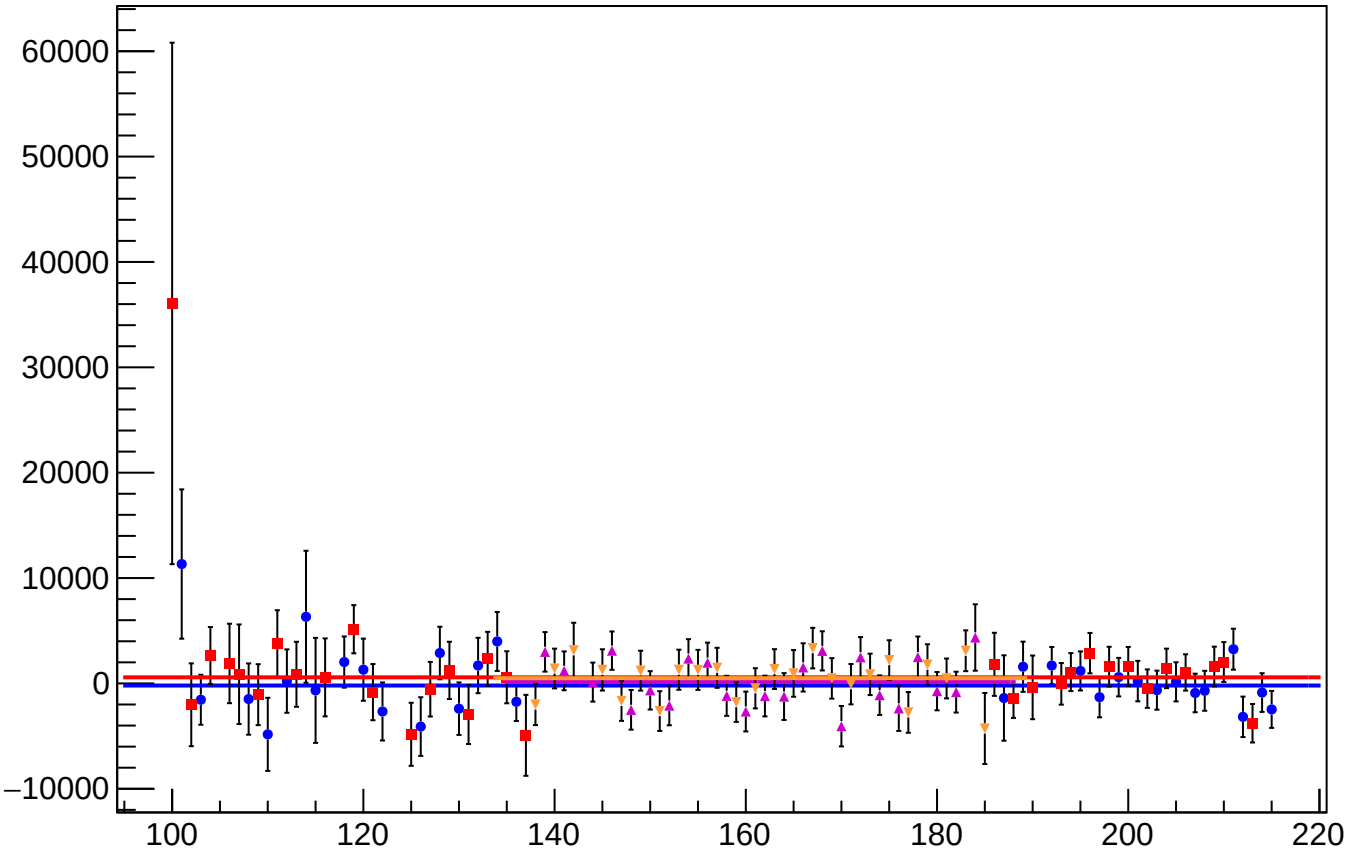
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1364.387+/-0.167 χ^2/NDF: 7649043.8/62

In: 1032.882+/-0.125 χ^2/NDF:6384501.1/53

Out: 1037.871+/-0.128 χ^2/NDF:7692092.1/55

All: 1035.316+/-0.089 χ^2/NDF: 14077371.2/1



Right In: -200.119+/-408.483 χ^2/NDF: 26.2/30

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 578.206+/-420.722 χ^2/NDF: 27.2/31

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

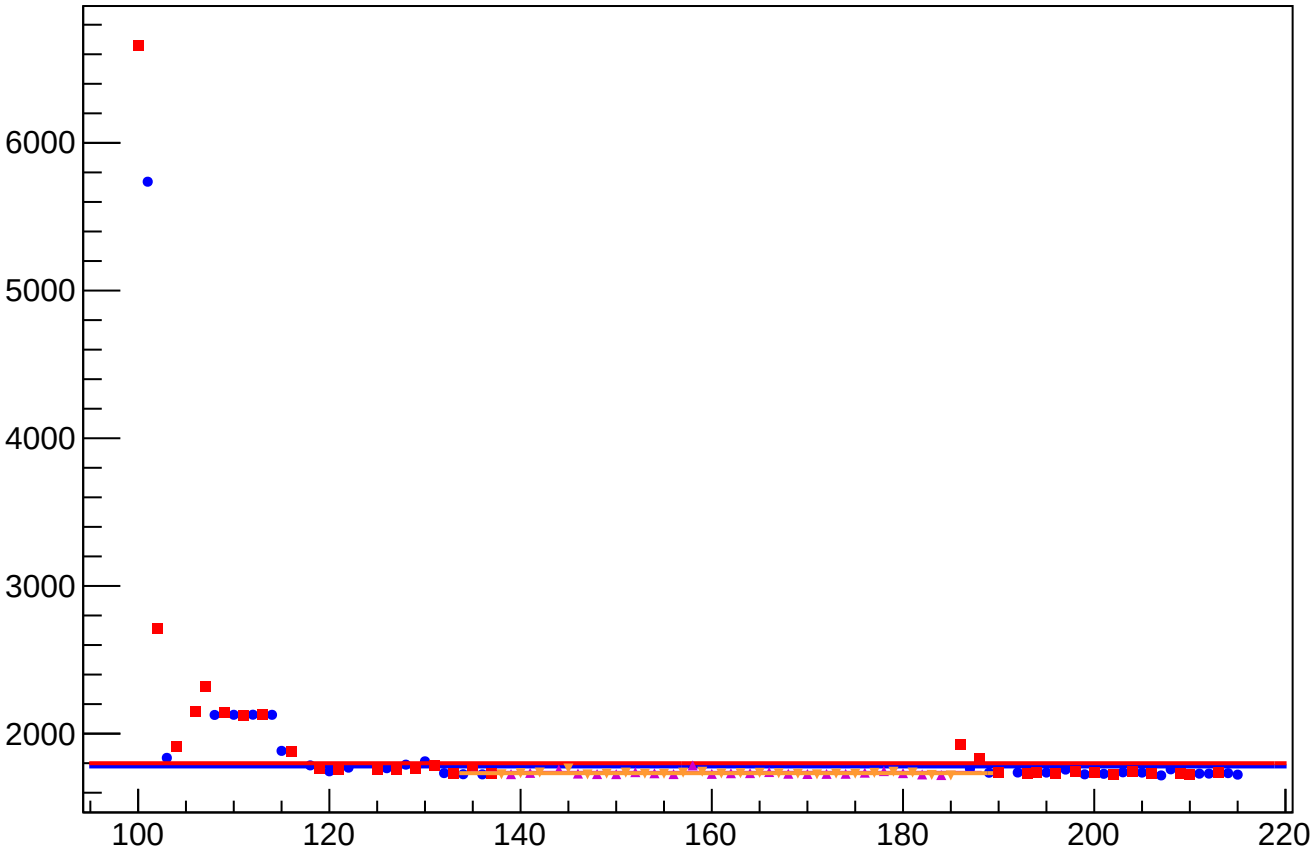
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 177.558+/-293.073 χ^2/NDF: 55.2/62

In: -30.032+/-287.600 χ^2/NDF:56.1/53

Out: 534.664+/-290.677 χ^2/NDF:47.3/55

All: 249.312+/-204.443 χ^2/NDF: 105.3/109



Right In: 1777.840+/-0.289 χ^2/NDF: 721583.2/30

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1799.725+/-0.297 χ^2/NDF: 340223.2/31

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

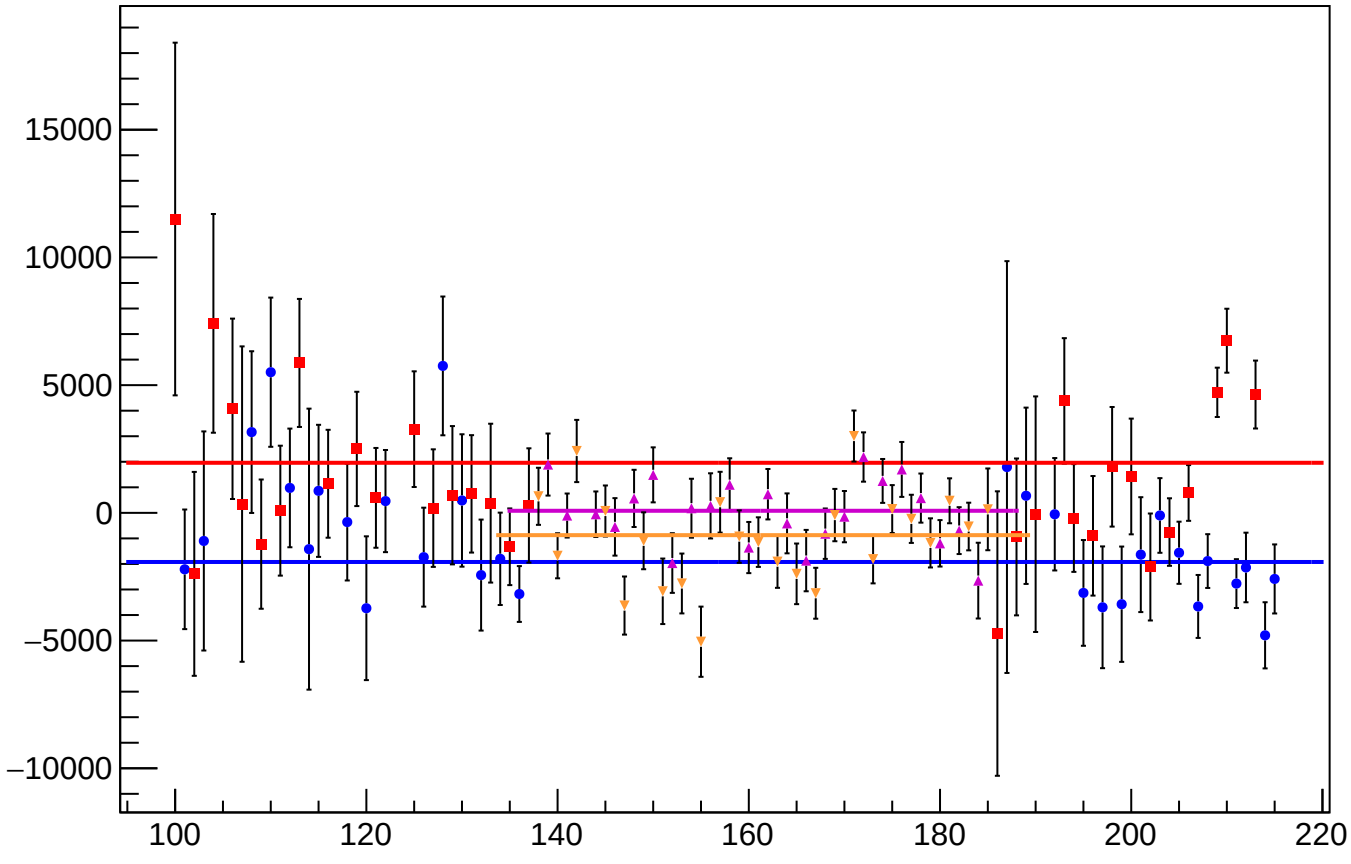
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1788.459+/-0.207 χ^2/NDF: 1064592.0/62

In: 1756.018+/-0.203 χ^2/NDF:735116.9/53

Out: 1764.531+/-0.206 χ^2/NDF:367910.3/55

All: 1760.229+/-0.145 χ^2/NDF: 1103894.0/10



Right In: -1923.037+/-318.053 χ^2/NDF: 36.9/30

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 1960.550+/-355.578 χ^2/NDF: 59.5/31

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

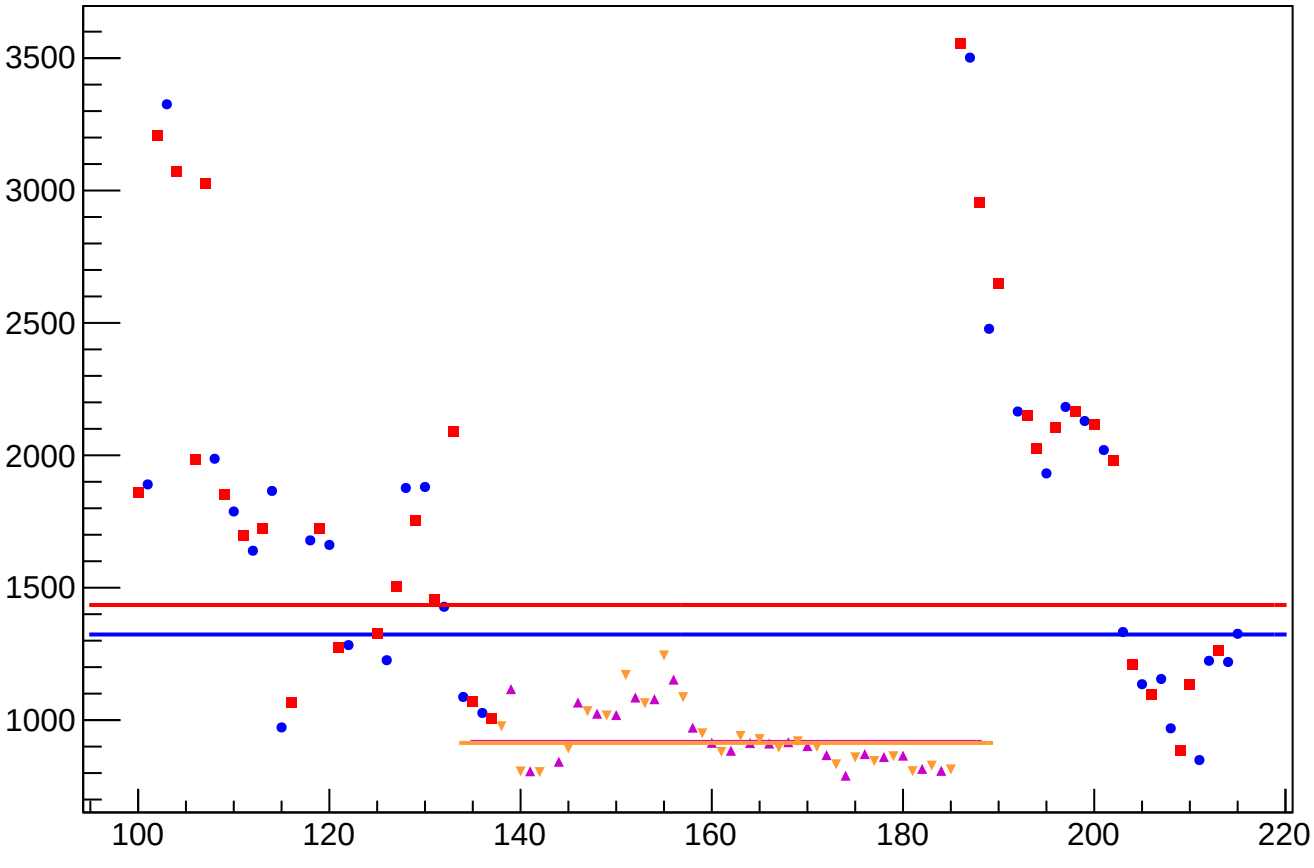
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -196.910+/-237.058 χ^2/NDF: 162.7/62

In: -550.852+/-178.639 χ^2/NDF:94.1/53

Out: -119.398+/-183.360 χ^2/NDF:168.1/55

All: -340.750+/-127.953 χ^2/NDF: 265.0/109



Right In: 1323.303+/-0.225 χ^2/NDF: 3598668.8/30

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1434.742+/-0.251 χ^2/NDF: 4371457.9/31

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

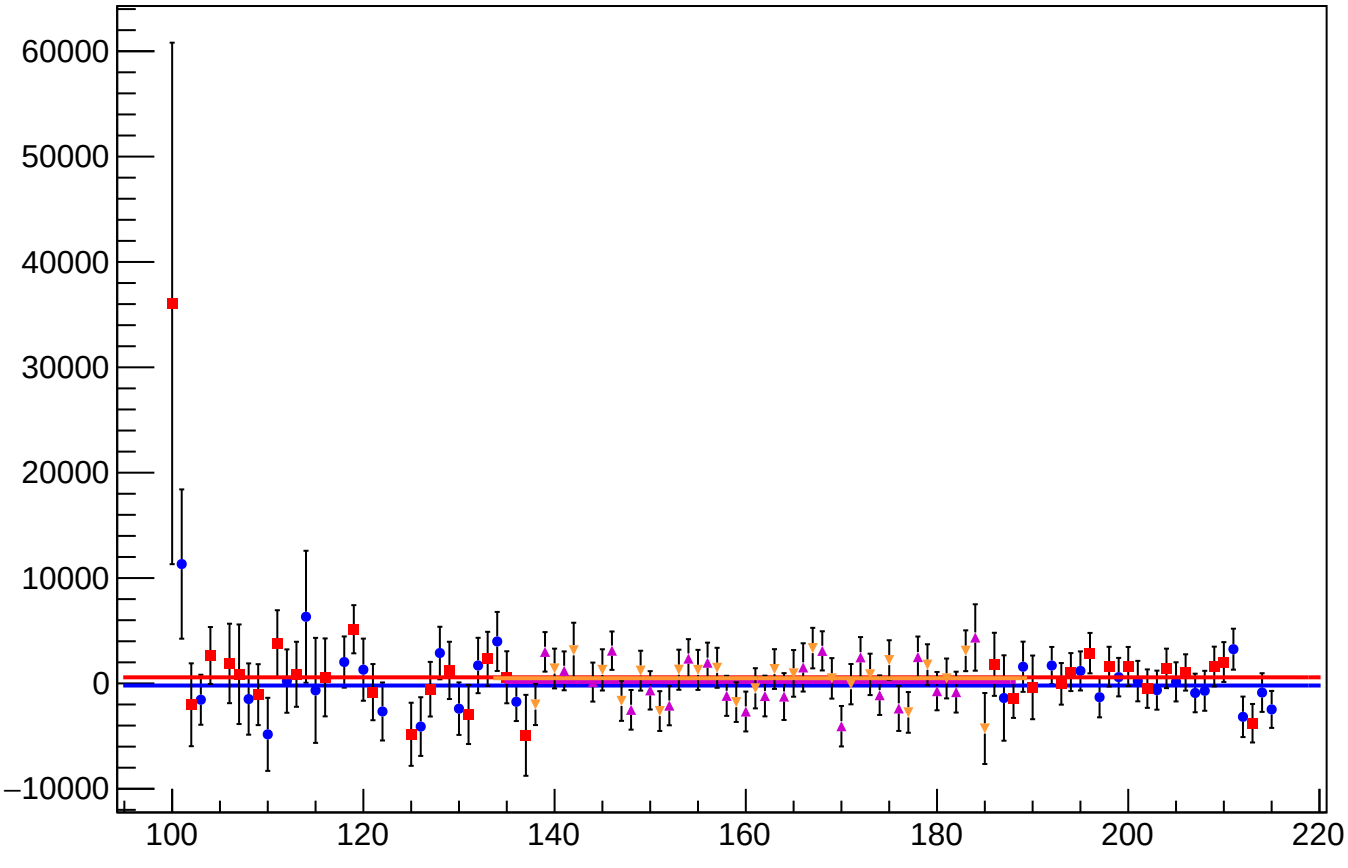
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1372.834+/-0.168 χ^2/NDF: 8079257.7/62

In: 1045.637+/-0.126 χ^2/NDF:6255978.4/53

Out: 1052.397+/-0.130 χ^2/NDF:7984408.2/55

All: 1048.929+/-0.090 χ^2/NDF: 14241781.5/1



Right In: -200.118+/-408.483 χ^2/NDF: 26.2/30

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 578.204+/-420.722 χ^2/NDF: 27.2/31

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

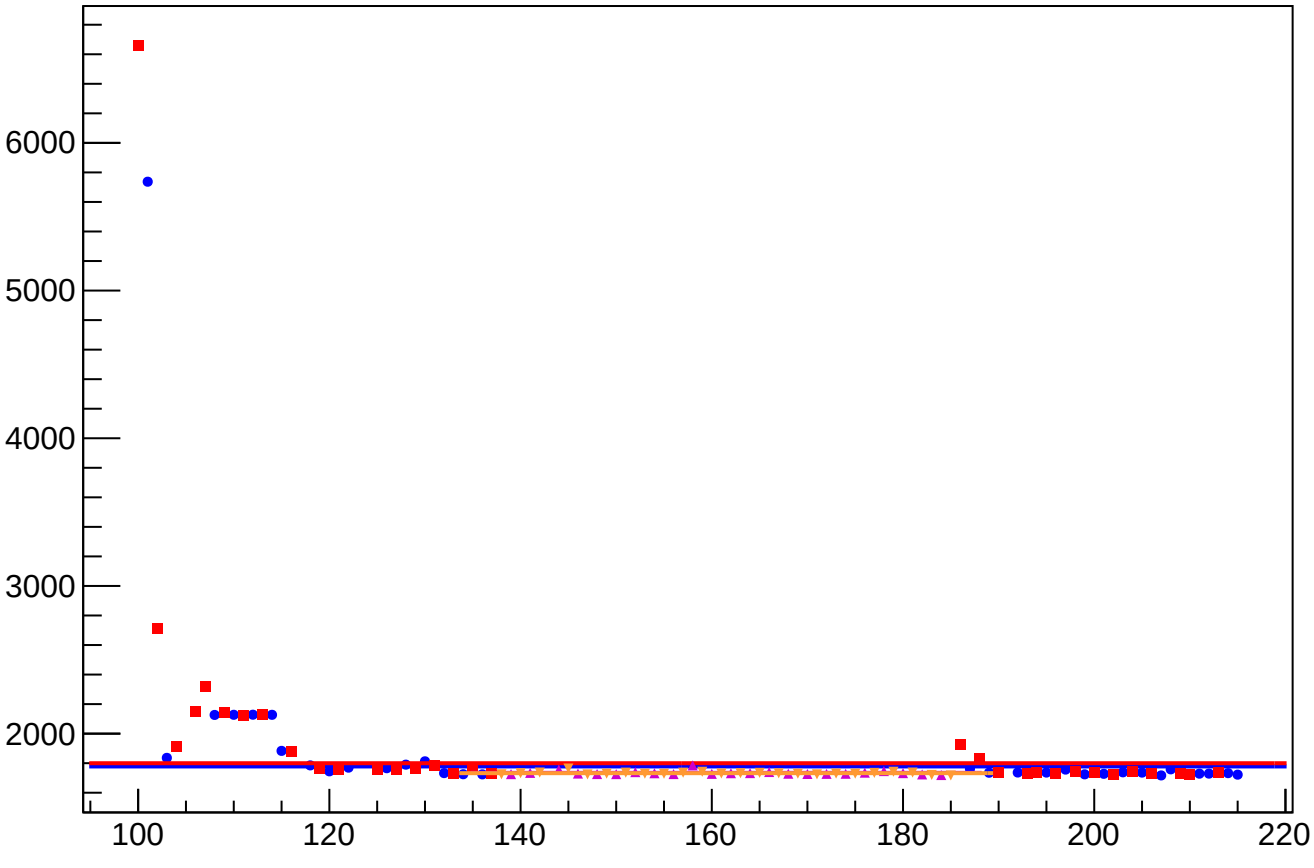
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 177.558+/-293.073 χ^2/NDF: 55.2/62

In: -30.031+/-287.600 χ^2/NDF:56.1/53

Out: 534.663+/-290.677 χ^2/NDF:47.3/55

All: 249.312+/-204.443 χ^2/NDF: 105.3/109



Right In: 1777.840+/-0.289 χ^2/NDF: 721583.1/30

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1799.725+/-0.297 χ^2/NDF: 340222.9/31

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

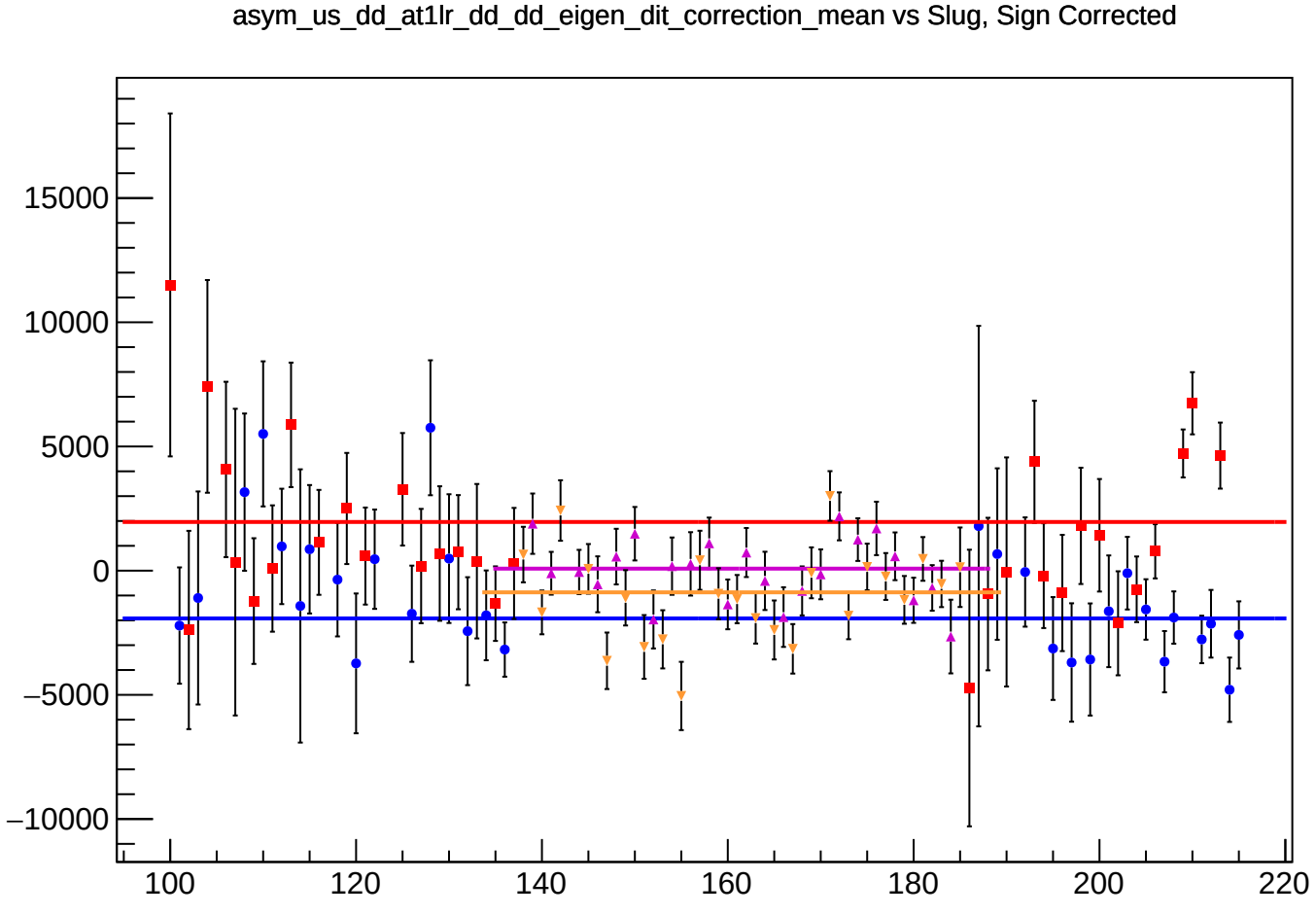
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1788.459+/-0.207 χ^2/NDF: 1064591.7/62

In: 1756.018+/-0.203 χ^2/NDF:735116.9/53

Out: 1764.531+/-0.206 χ^2/NDF:367910.0/55

All: 1760.229+/-0.145 χ^2/NDF: 1103893.6/10



Right In: -1923.033+/-318.053 χ^2/NDF: 36.9/30

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 1960.551+/-355.577 χ^2/NDF: 59.5/31

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

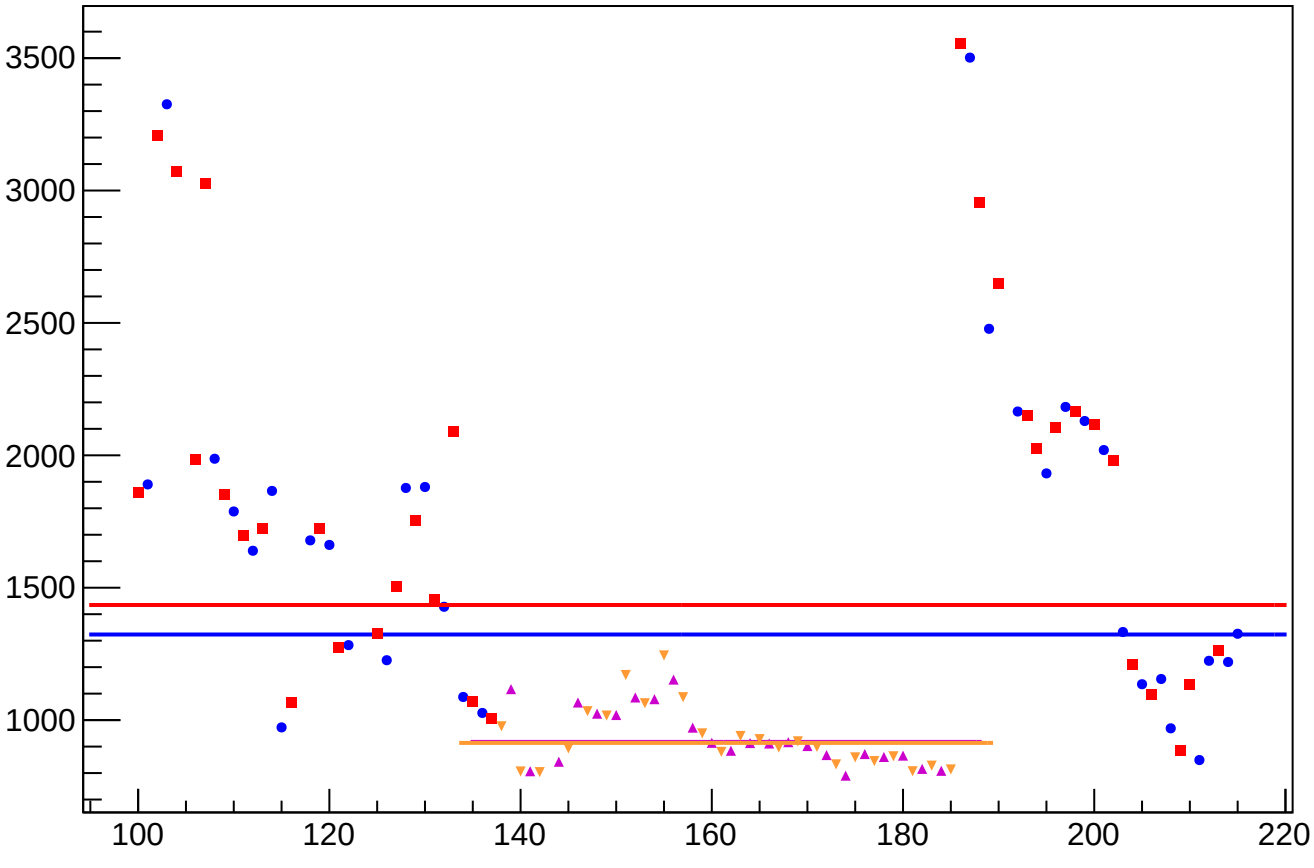
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -196.905+/-237.058 χ^2/NDF: 162.7/62

In: -550.852+/-178.639 χ^2/NDF:94.1/53

Out: -119.395+/-183.359 χ^2/NDF:168.1/55

All: -340.749+/-127.953 χ^2/NDF: 265.0/109



Right In: 1323.302+/-0.225 χ^2/NDF: 3598663.1/30

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1434.740+/-0.251 χ^2/NDF: 4371474.1/31

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

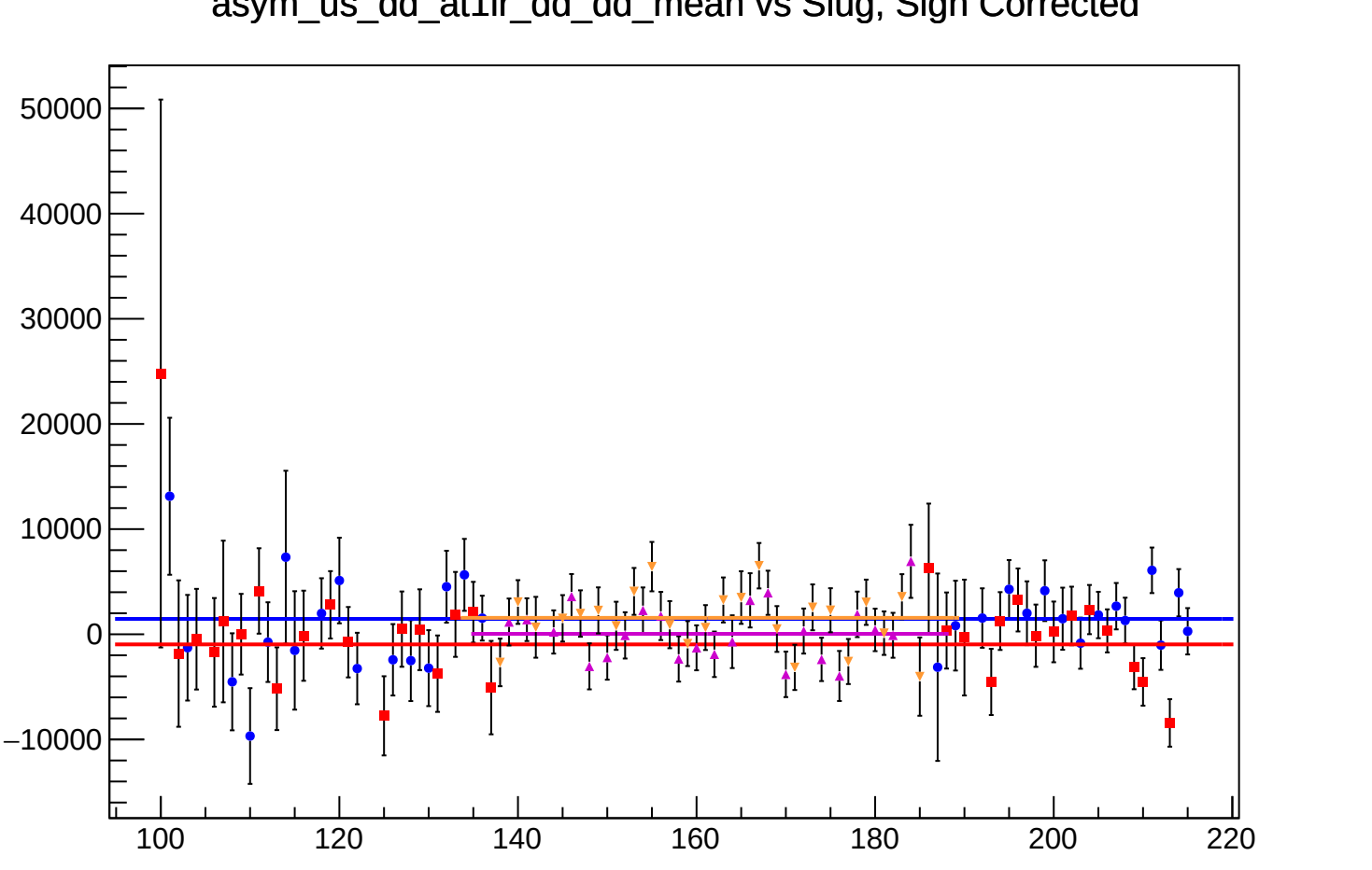
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1372.833+/-0.168 χ^2/NDF: 8079265.4/62

In: 1045.636+/-0.126 χ^2/NDF:6255980.6/53

Out: 1052.397+/-0.130 χ^2/NDF:7984413.9/55

All: 1048.928+/-0.090 χ^2/NDF: 14241789.4/1



Right In: 1461.050+/-543.759 χ^2/NDF: 31.3/30

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -961.582+/-581.387 χ^2/NDF: 35.4/31

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

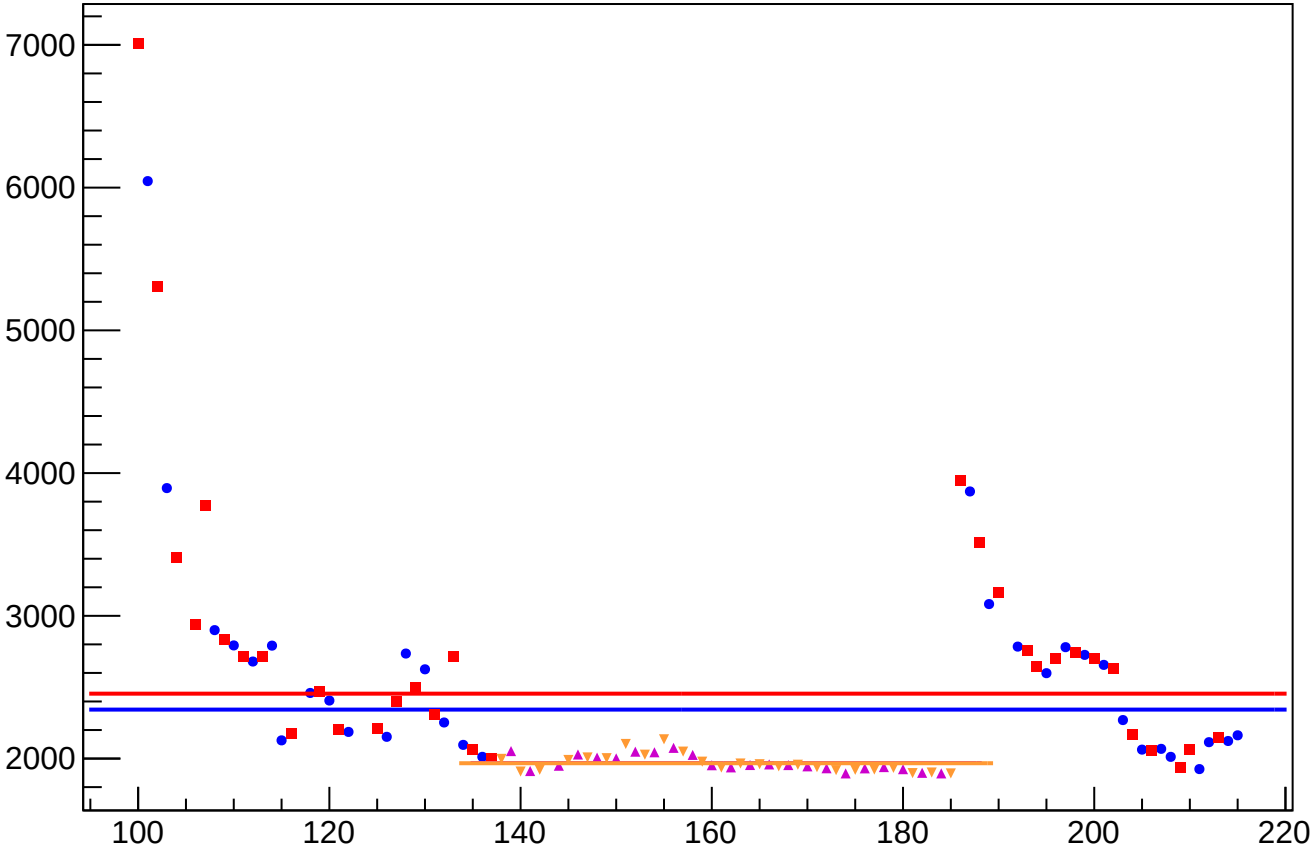
Right: 330.663+/-397.132 χ^2/NDF: 76.0/62

In: 632.604+/-351.163 χ^2/NDF:63.1/53

Out: 598.137+/-359.232 χ^2/NDF:78.3/55

All: 615.762+/-251.114 χ^2/NDF: 141.4/109

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2343.118+/-0.384 χ^2/NDF: 1383662.6/30

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2454.750+/-0.411 χ^2/NDF: 1412649.4/31

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

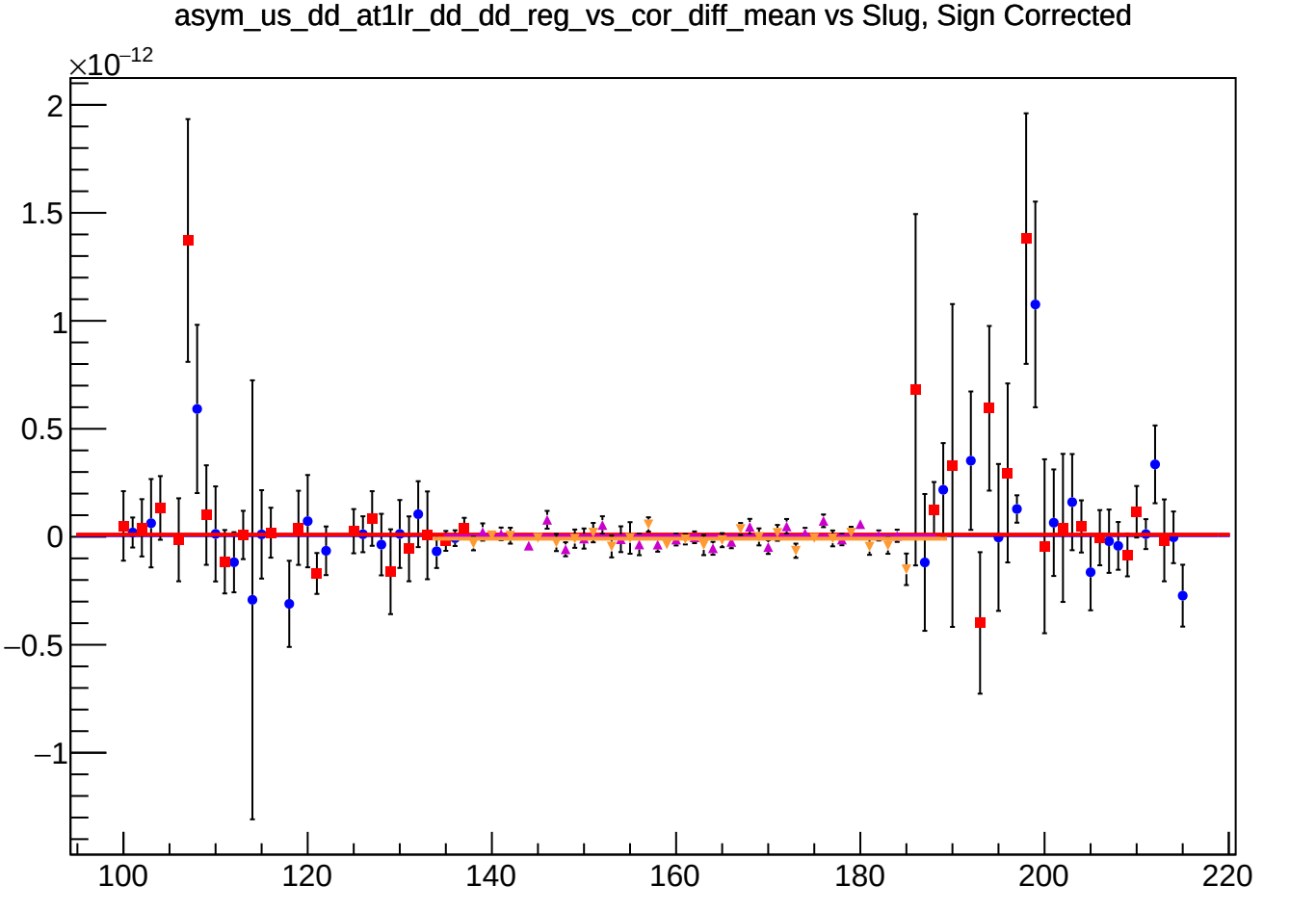
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2395.205+/-0.281 χ^2/NDF: 2835642.9/62

In: 2125.045+/-0.248 χ^2/NDF:1962012.9/53

Out: 2153.473+/-0.254 χ^2/NDF:2315616.1/55

All: 2138.936+/-0.178 χ^2/NDF: 4284033.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/31

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

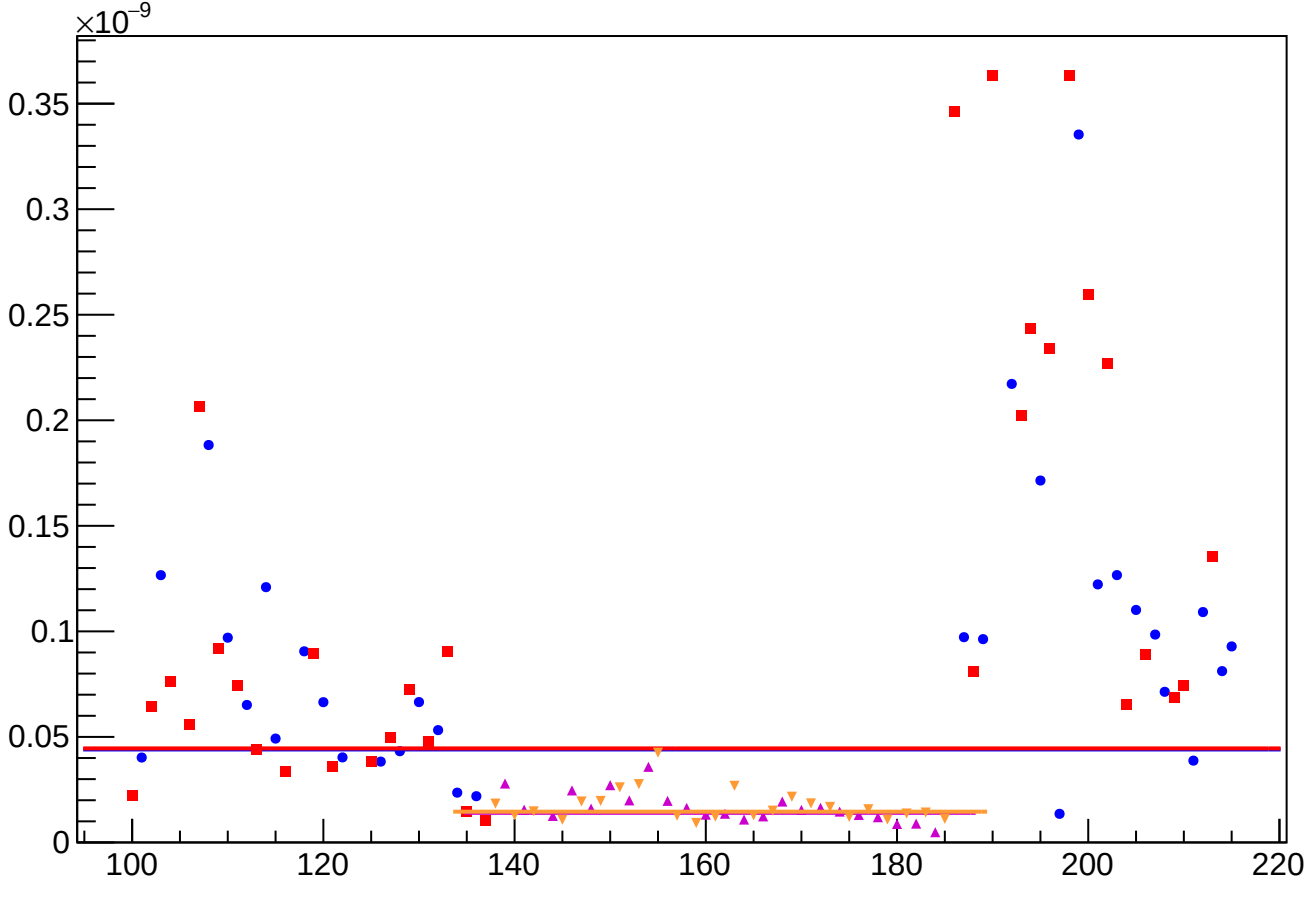
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 54.5/62

In: 0.000+/-0.000 χ^2/NDF:66.7/53

Out: -0.000+/-0.000 χ^2/NDF:48.2/55

All: -0.000+/-0.000 χ^2/NDF: 116.3/109



Right In: 0.000+/-0.000 χ^2/NDF: 5951644.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7617010.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

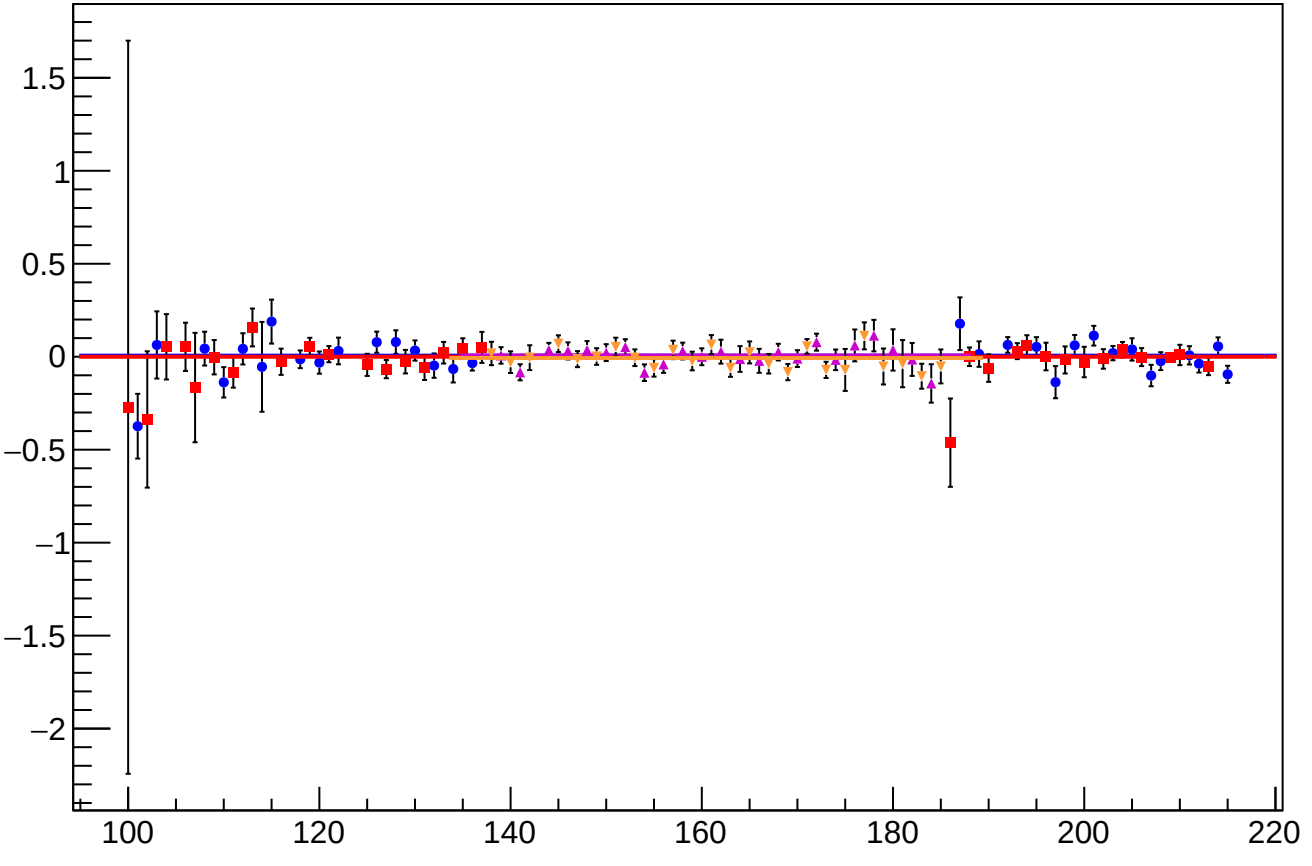
Right: 0.000+/-0.000 χ^2/NDF: 13569223.0/62

In: 0.000+/-0.000 χ^2/NDF:11511475.6/53

Out: 0.000+/-0.000 χ^2/NDF:12288482.9/55

All: 0.000+/-0.000 χ^2/NDF: 23801527.3/109

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.011 χ^2/NDF: 40.2/30

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.000+/-0.010 χ^2/NDF: 19.2/31

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

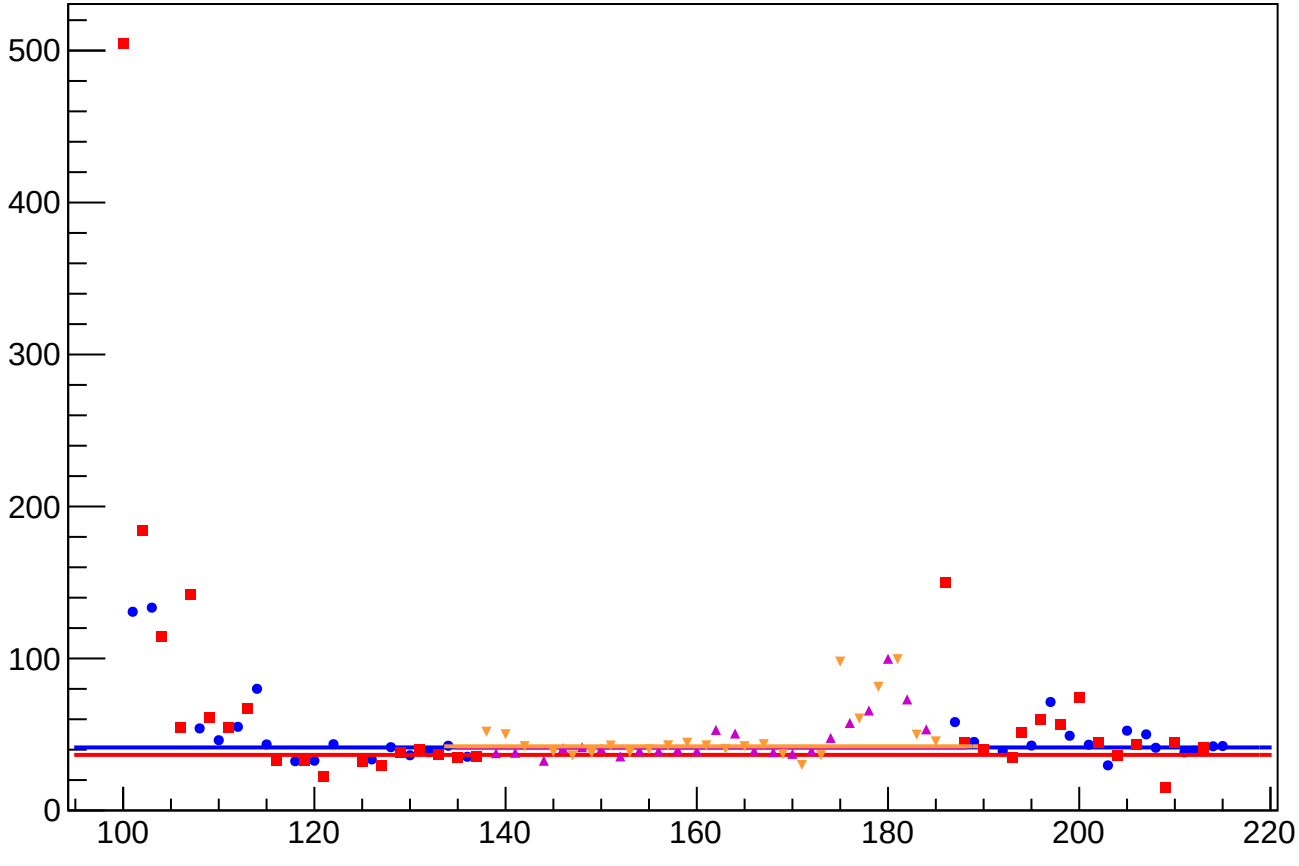
Right: 0.003+/-0.007 χ^2/NDF: 59.5/62

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.001+/-0.005 χ^2/NDF: 104.3/109

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.459+/-0.008 χ^2/NDF: 2053309.6/30

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 36.562+/-0.007 χ^2/NDF: 4898821.3/31

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

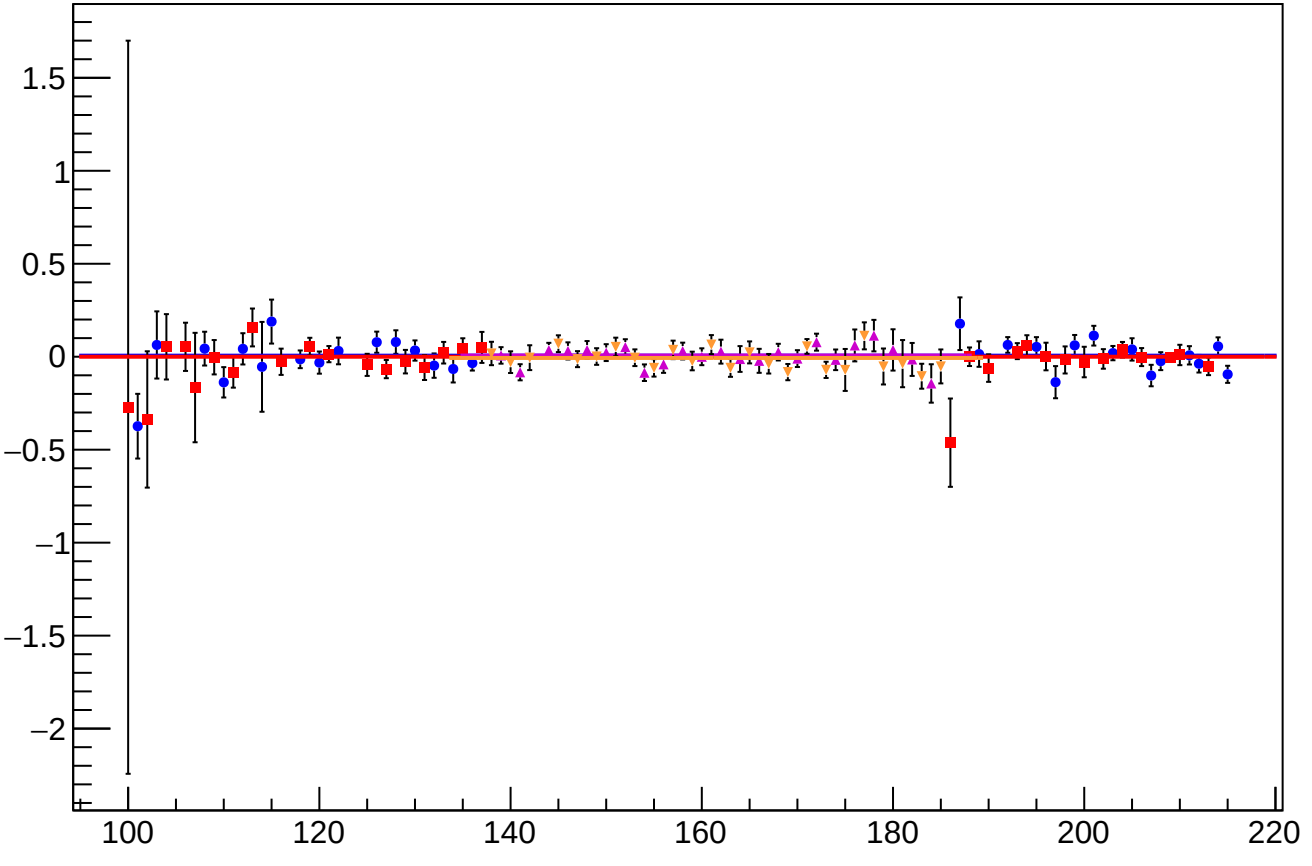
Right: 38.951+/-0.005 χ^2/NDF: 7169791.1/62

In: 41.440+/-0.005 χ^2/NDF:3465499.6/53

Out: 39.239+/-0.005 χ^2/NDF:6999345.0/55

All: 40.334+/-0.004 χ^2/NDF: 10550161.3/109

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.011 χ^2/NDF: 40.2/30

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.000+/-0.010 χ^2/NDF: 19.2/31

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

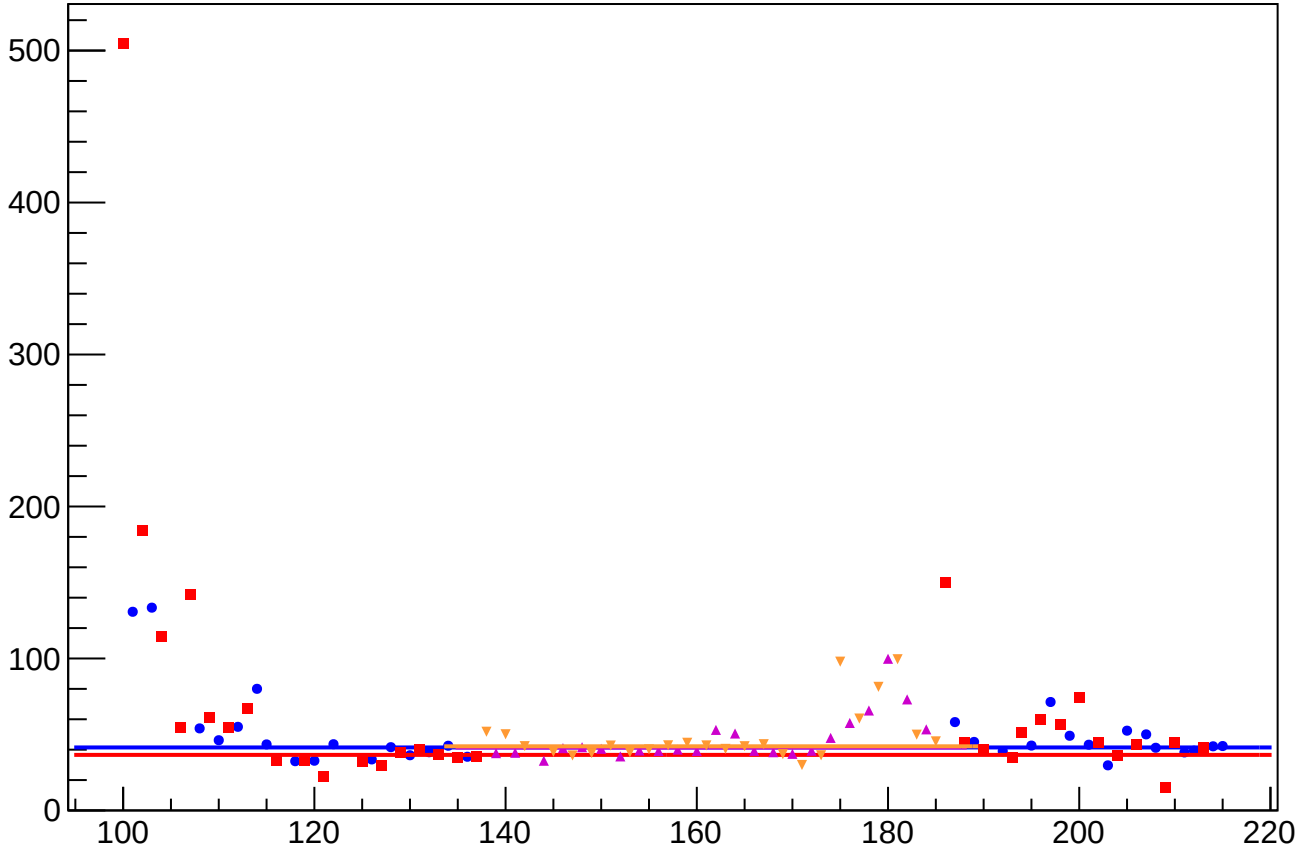
Right: 0.003+/-0.007 χ^2/NDF: 59.5/62

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.001+/-0.005 χ^2/NDF: 104.3/109

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.459+/-0.008 χ^2/NDF: 2053309.6/30

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 36.562+/-0.007 χ^2/NDF: 4898821.3/31

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

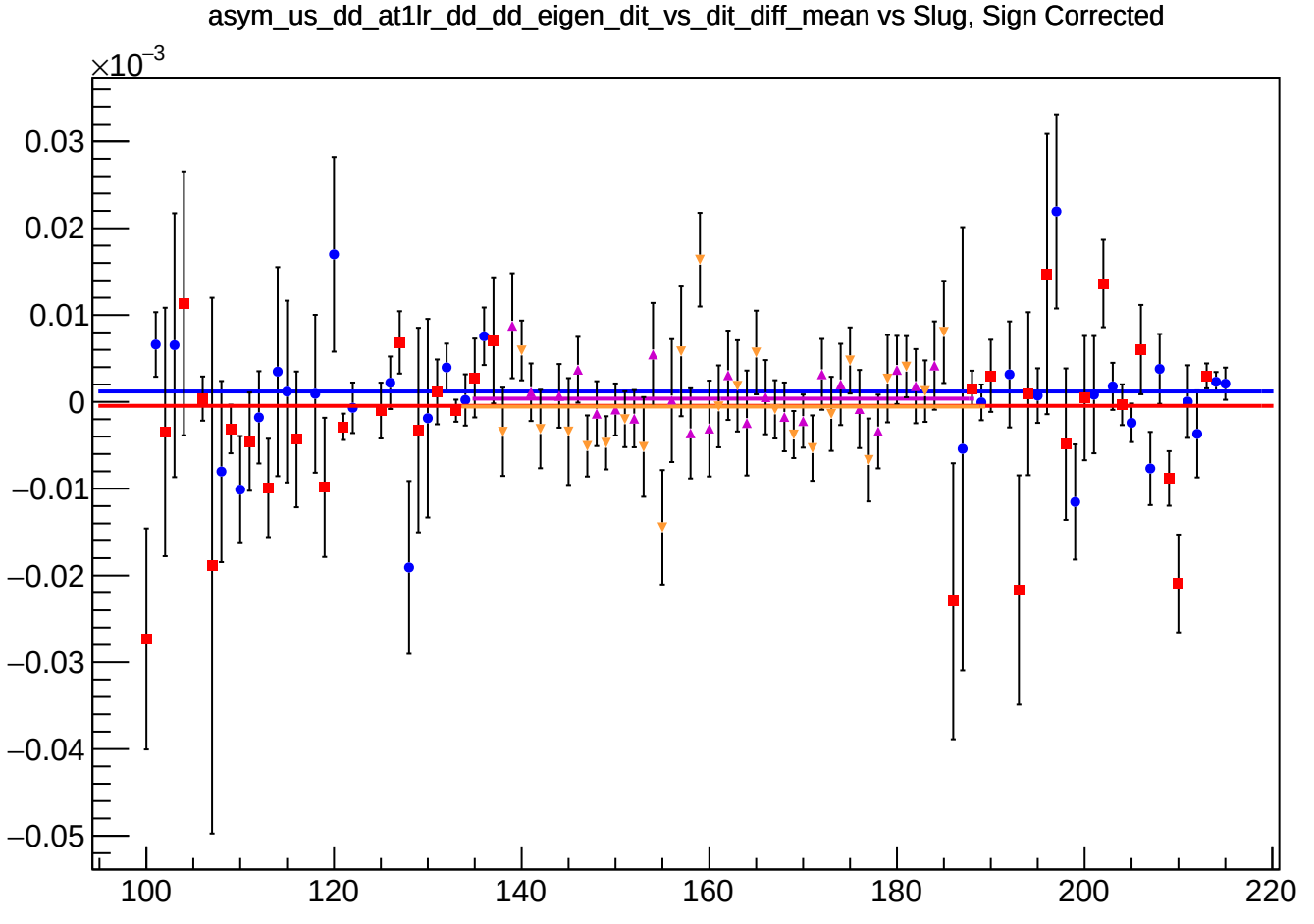
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.951+/-0.005 χ^2/NDF: 7169791.1/62

In: 41.440+/-0.005 χ^2/NDF:3465499.6/53

Out: 39.239+/-0.005 χ^2/NDF:6999345.0/55

All: 40.334+/-0.004 χ^2/NDF: 10550161.3/109



Right In: 0.000+/-0.000 χ^2/NDF: 35.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 62.9/31

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

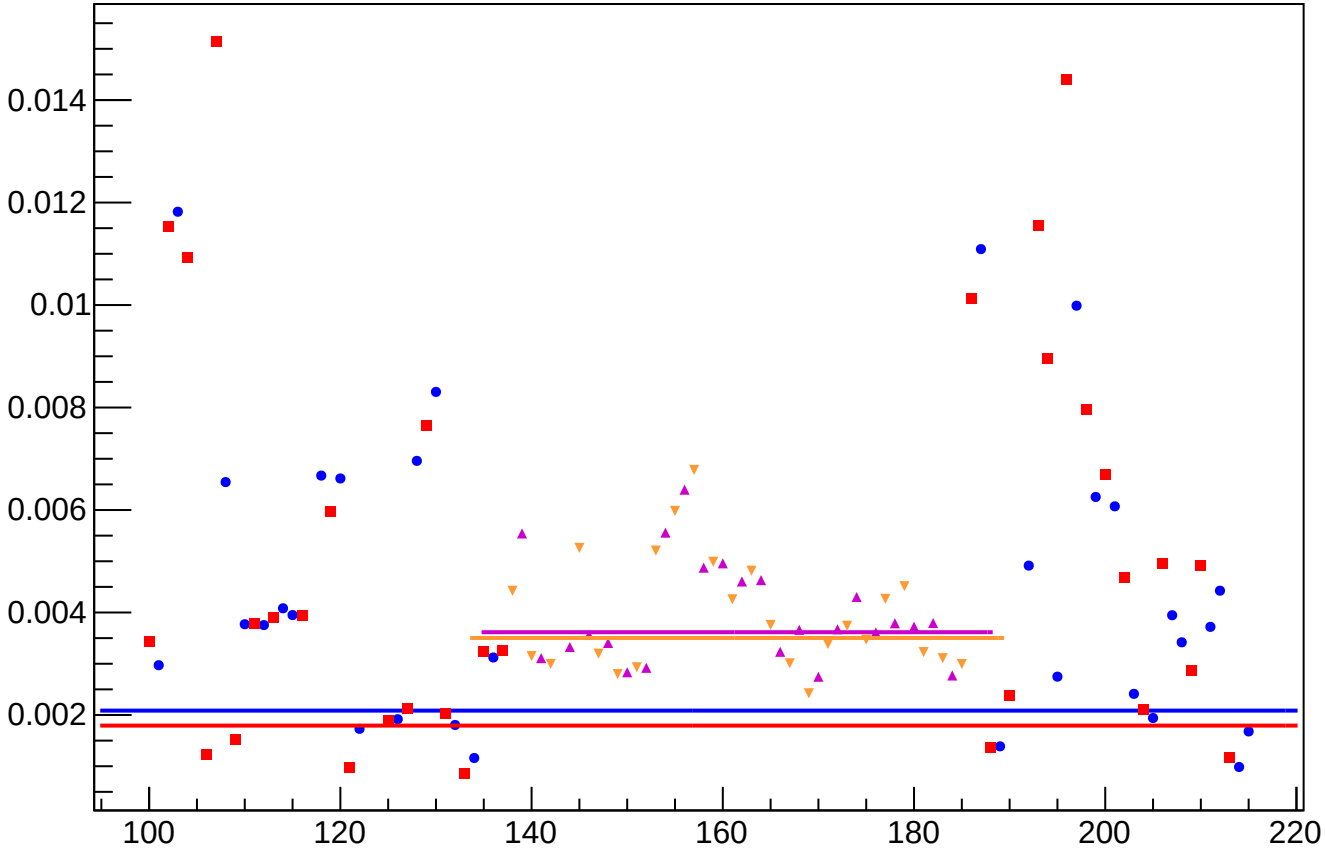
Right: 0.000+/-0.000 χ^2/NDF: 102.6/62

In: 0.000+/-0.000 χ^2/NDF:46.1/53

Out: -0.000+/-0.000 χ^2/NDF:99.7/55

All: 0.000+/-0.000 χ^2/NDF: 150.1/109

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11002276.4/30

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 14652314.6/31

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

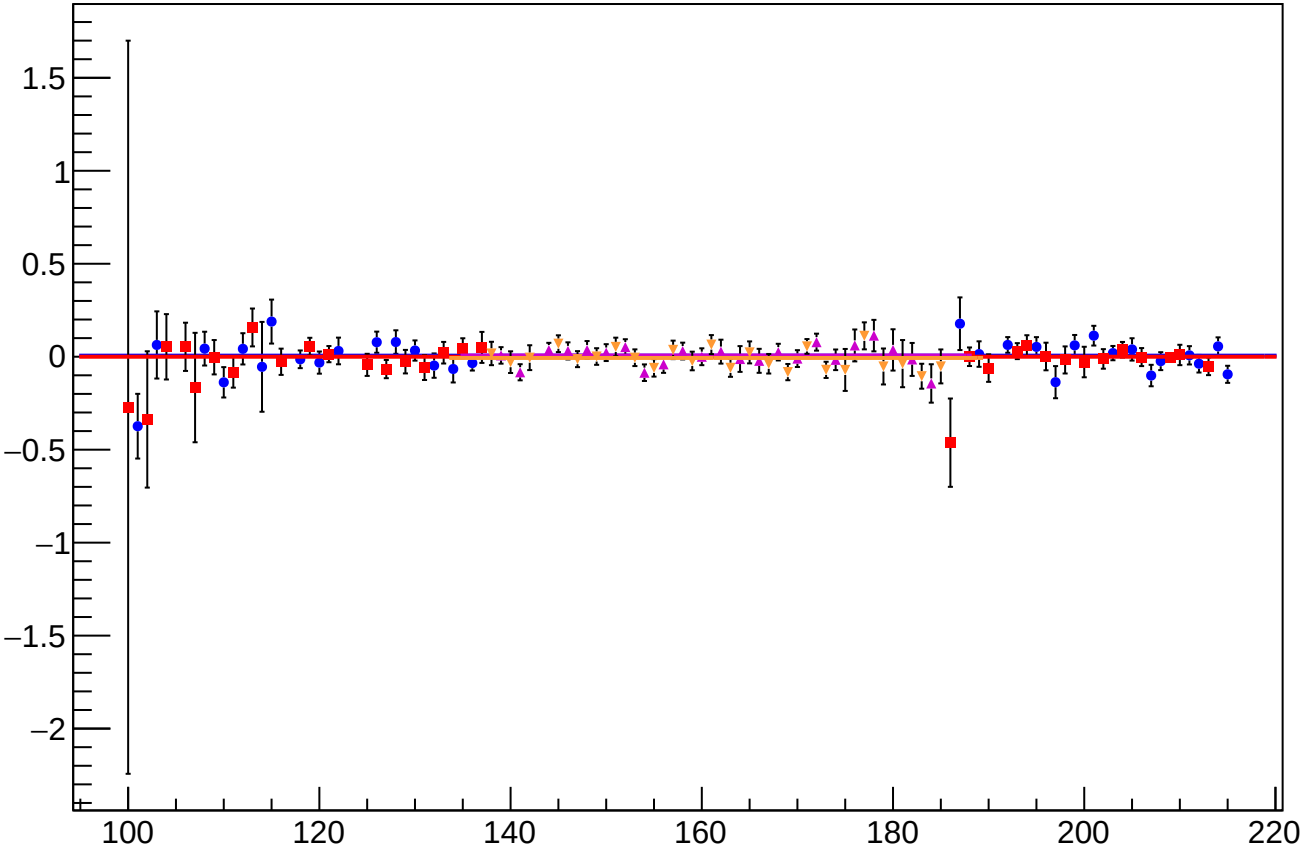
Right: 0.002+/-0.000 χ^2/NDF: 25902771.7/62

In: 0.003+/-0.000 χ^2/NDF:16871506.8/53

Out: 0.002+/-0.000 χ^2/NDF:22429471.0/55

All: 0.002+/-0.000 χ^2/NDF: 39531116.2/109

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.011 χ^2/NDF: 40.2/30

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.000+/-0.010 χ^2/NDF: 19.2/31

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

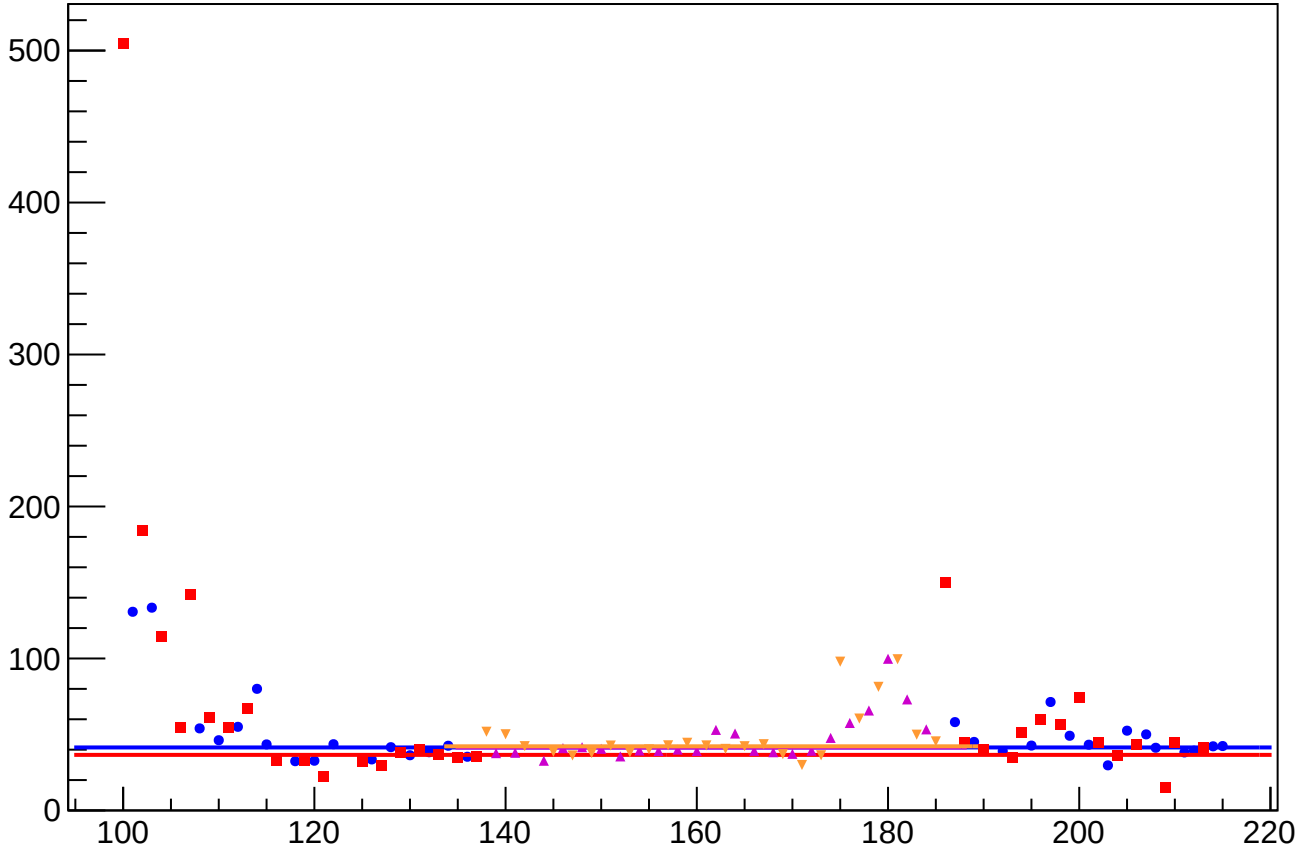
Right: 0.003+/-0.007 χ^2/NDF: 59.5/62

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.001+/-0.005 χ^2/NDF: 104.3/109

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.459+/-0.008 χ^2/NDF: 2053224.4/30

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.566+/-0.007 χ^2/NDF: 4896295.5/31

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

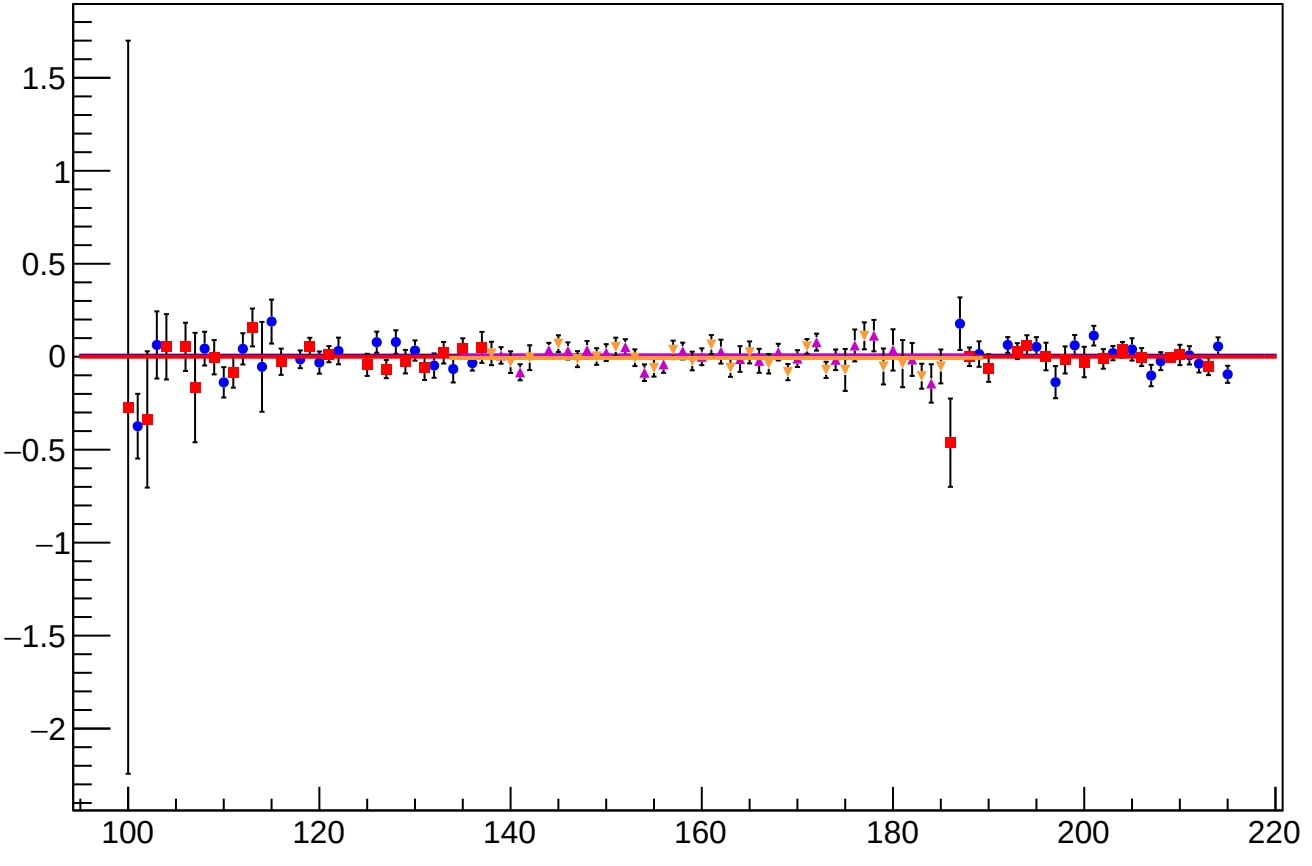
Right: 38.954+/-0.005 χ^2/NDF: 7166808.4/62

In: 41.440+/-0.005 χ^2/NDF:3465348.4/53

Out: 39.241+/-0.005 χ^2/NDF:6996359.4/55

All: 40.335+/-0.004 χ^2/NDF: 10546850.0/109

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.011 χ^2/NDF: 40.2/30

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.000+/-0.010 χ^2/NDF: 19.2/31

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

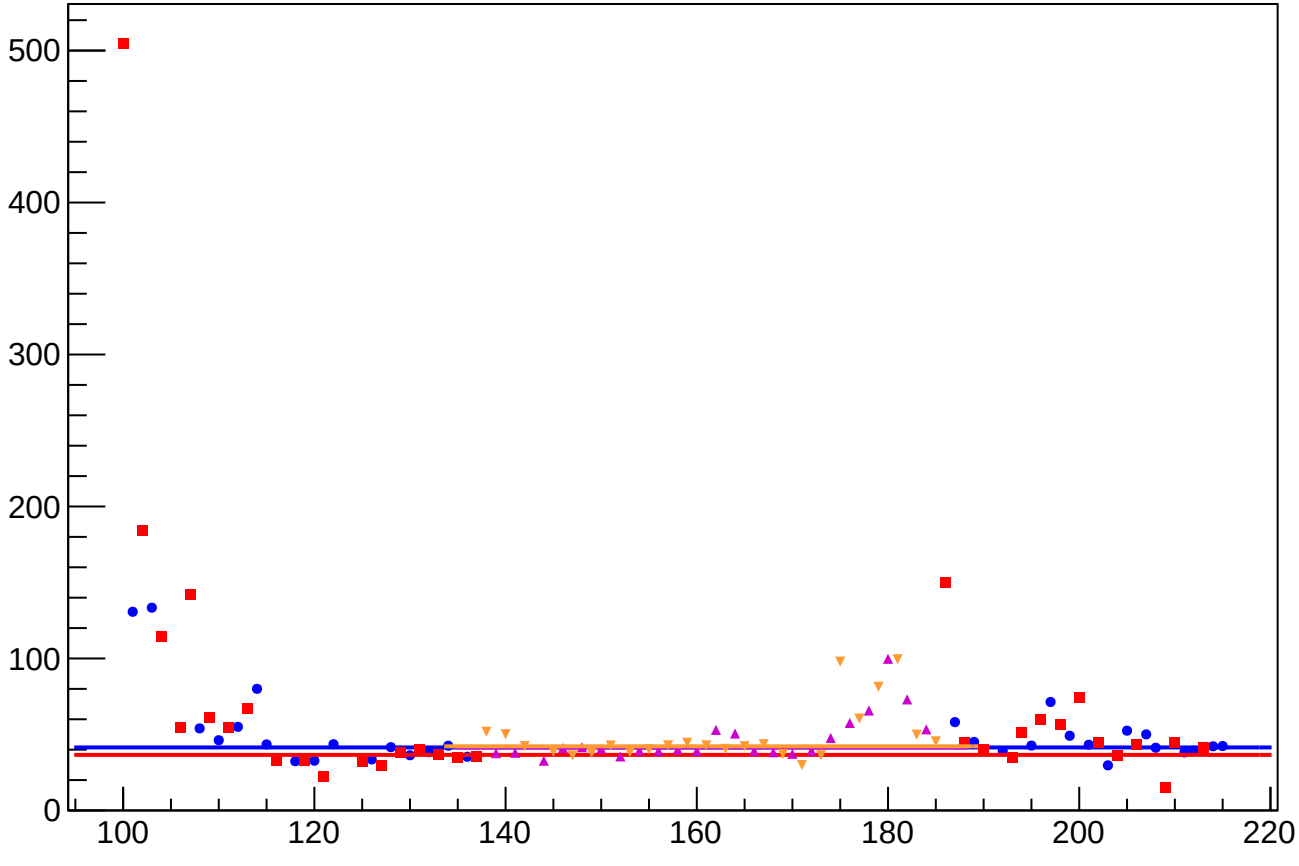
Right: 0.003+/-0.007 χ^2/NDF: 59.5/62

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.003+/-0.008 χ^2/NDF:43.3/55

All: 0.001+/-0.005 χ^2/NDF: 104.3/109

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.459+/-0.008 χ^2/NDF: 2053224.4/30

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.566+/-0.007 χ^2/NDF: 4896295.5/31

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

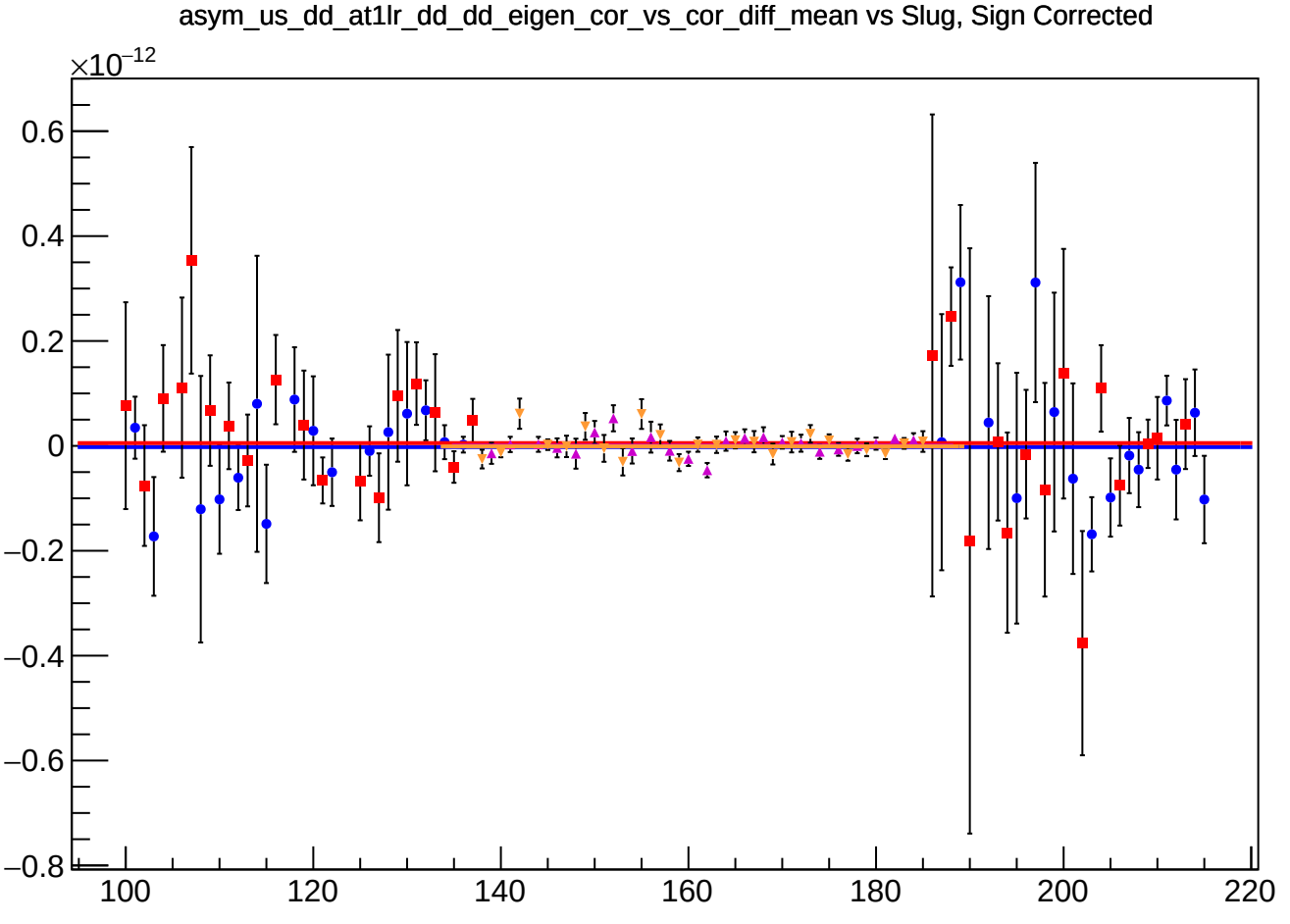
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.954+/-0.005 χ^2/NDF: 7166808.4/62

In: 41.440+/-0.005 χ^2/NDF:3465348.4/53

Out: 39.241+/-0.005 χ^2/NDF:6996359.4/55

All: 40.335+/-0.004 χ^2/NDF: 10546850.0/109



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/31

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

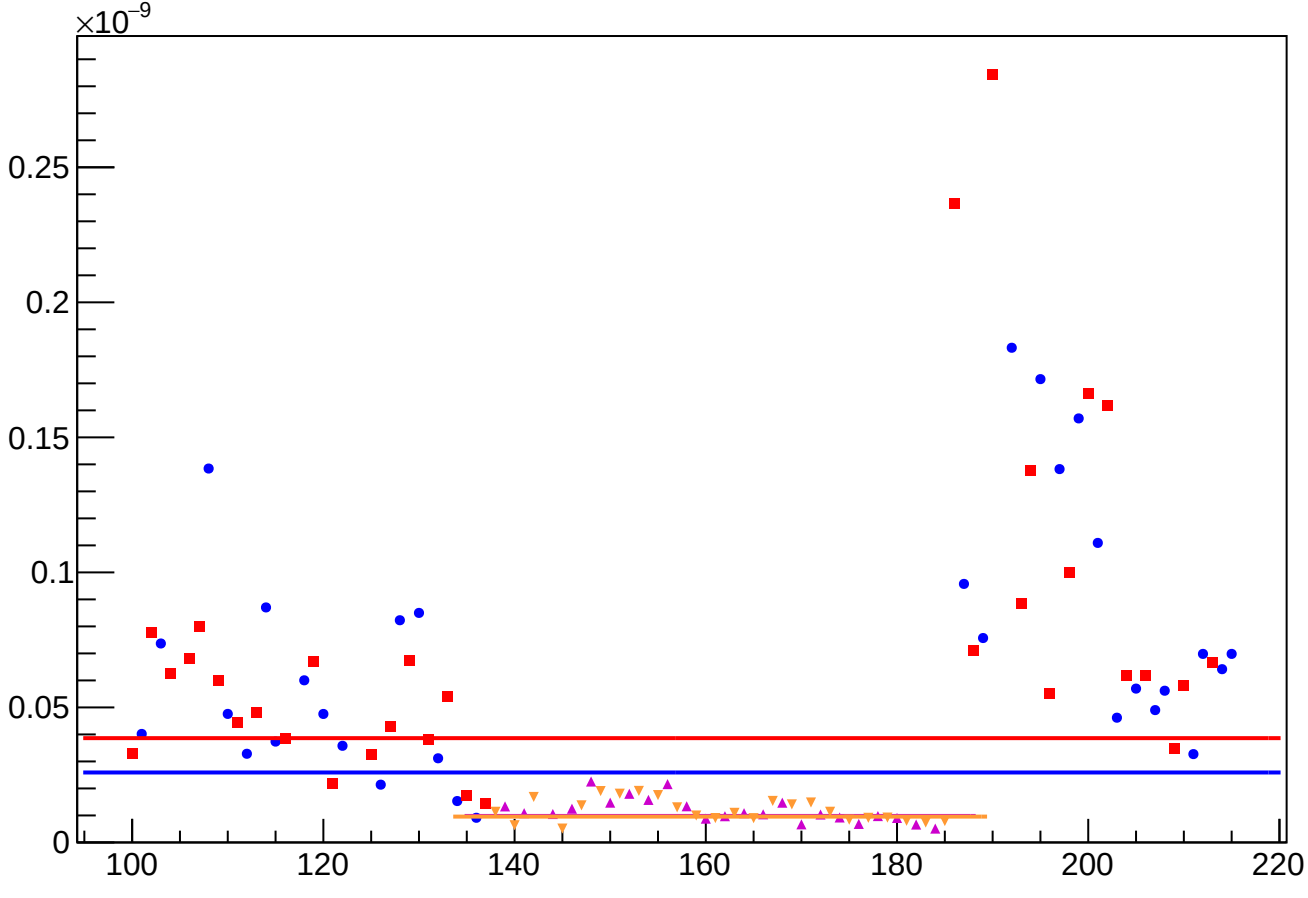
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: 0.000+/-0.000 χ^2/NDF: 63.1/62

In: 0.000+/-0.000 χ^2/NDF:58.5/53

Out: -0.000+/-0.000 χ^2/NDF:62.4/55

All: -0.000+/-0.000 χ^2/NDF: 121.0/109



Right In: 0.000+/-0.000 χ^2/NDF: 10961222.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6798791.2/31

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

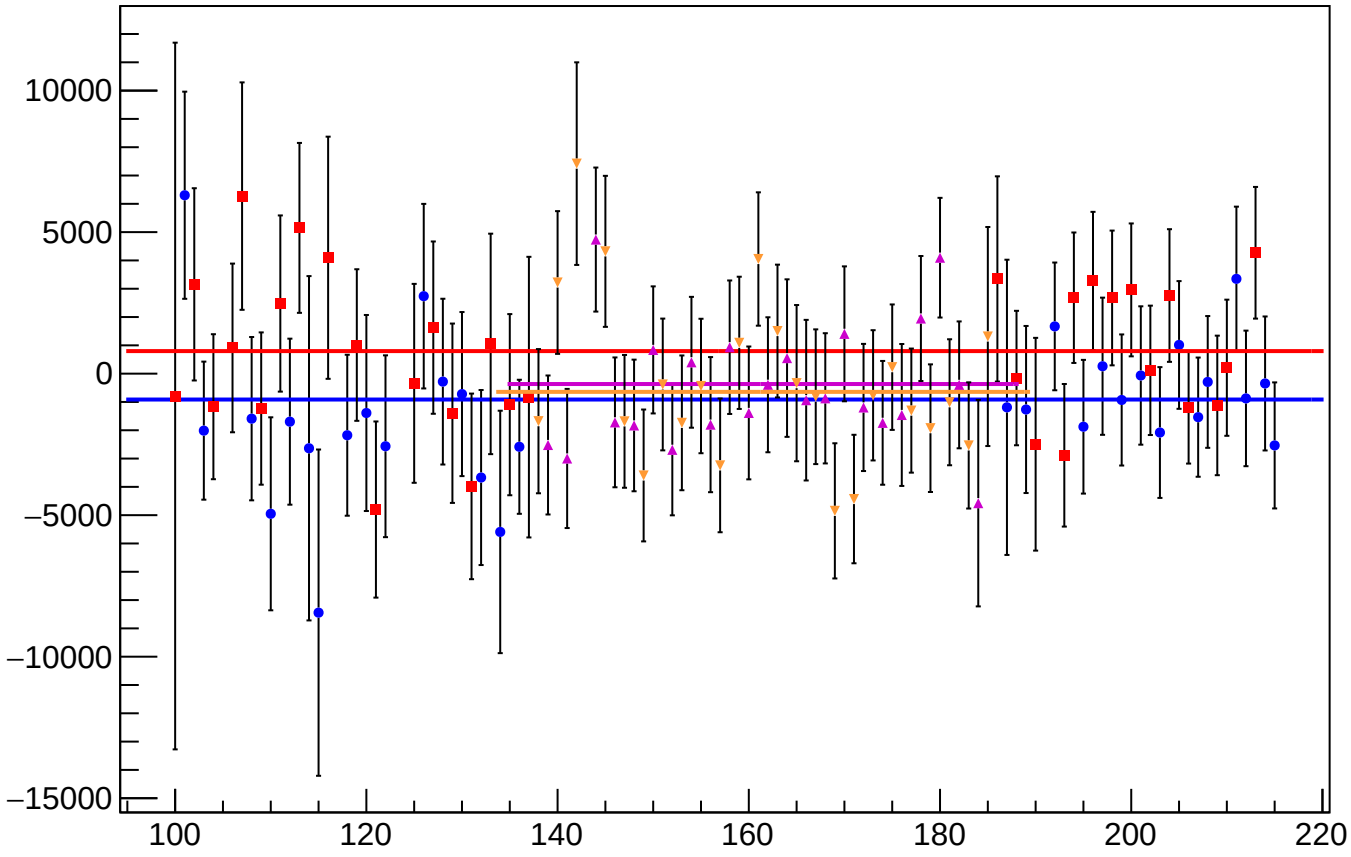
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 18823869.1/62

In: 0.000+/-0.000 χ^2/NDF:17600040.3/53

Out: 0.000+/-0.000 χ^2/NDF:17456458.1/55

All: 0.000+/-0.000 χ^2/NDF: 35065769.4/109



Right In: -914.343+/-491.061 χ^2/NDF: 18.1/30

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 796.794+/-499.782 χ^2/NDF: 24.4/31

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

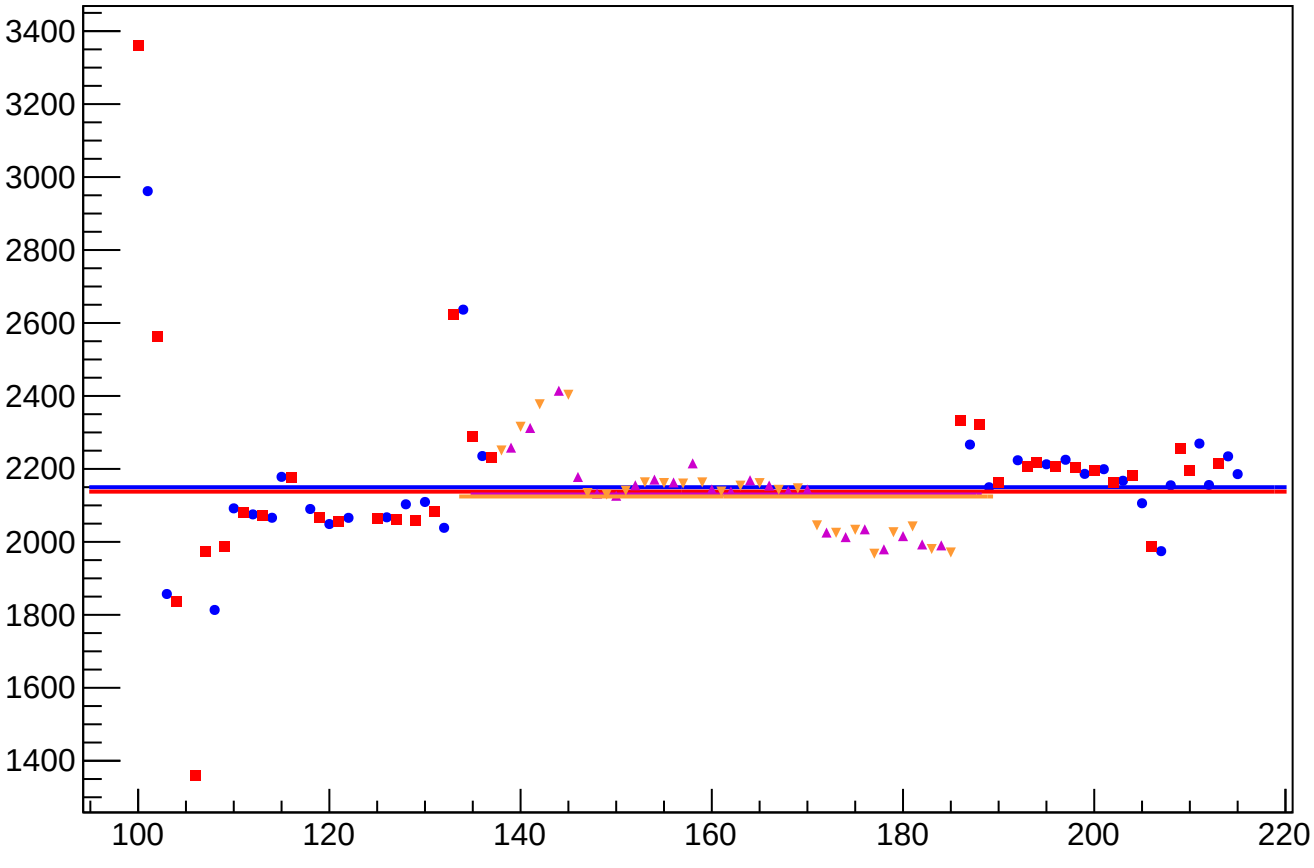
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -73.833+/-350.275 χ^2/NDF: 48.4/62

In: -644.335+/-349.624 χ^2/NDF:36.0/53

Out: 67.646+/-351.222 χ^2/NDF:55.8/55

All: -289.968+/-247.785 χ^2/NDF: 93.8/109



Right In: 2149.828+/-0.347 χ^2/NDF: 223877.9/30

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2137.735+/-0.353 χ^2/NDF: 315221.5/31

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

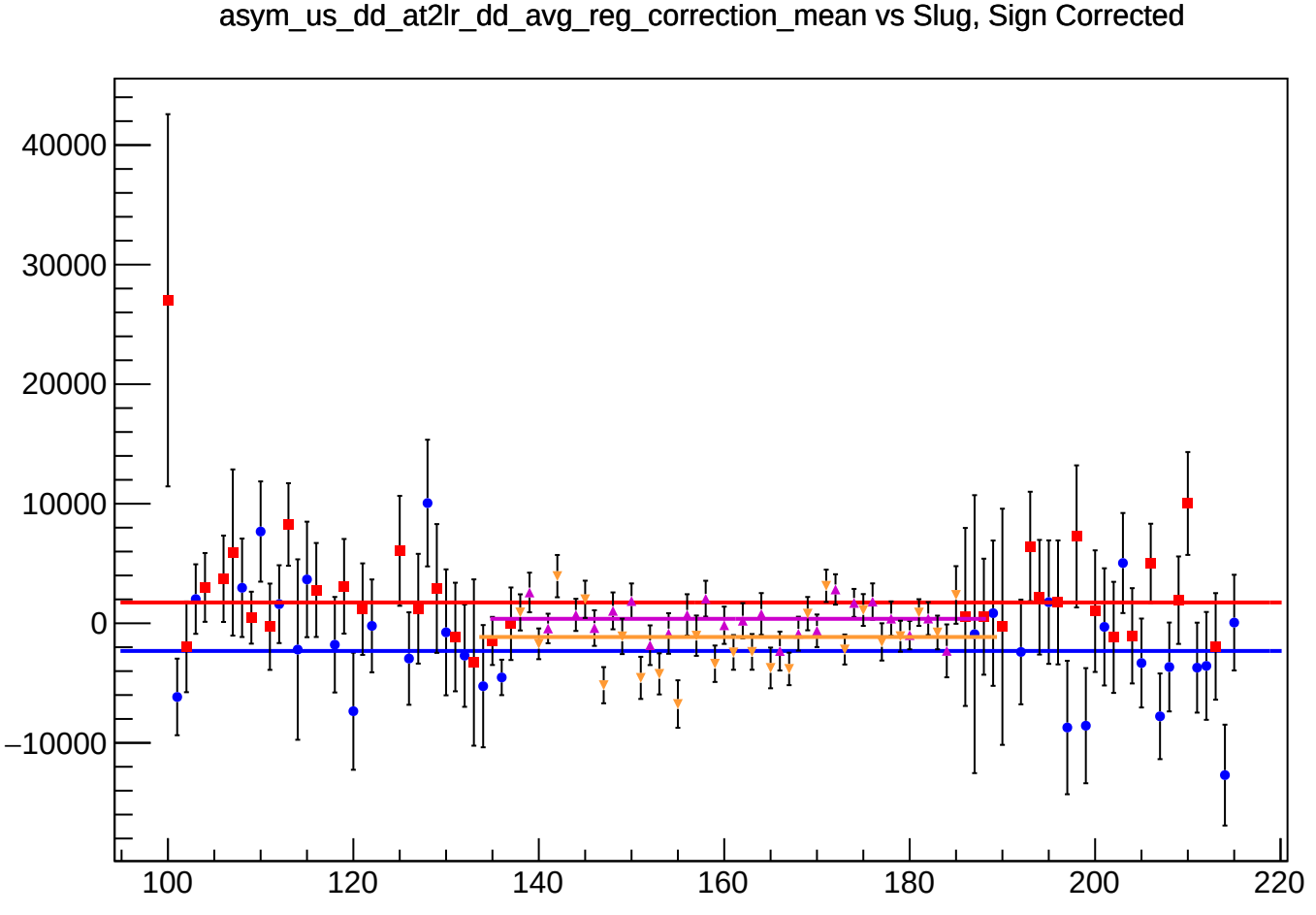
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

Right: 2143.888+/-0.248 χ^2/NDF: 539695.2/62

In: 2140.000+/-0.247 χ^2/NDF:310857.0/53

Out: 2131.004+/-0.248 χ^2/NDF:405122.3/55

All: 2135.523+/-0.175 χ^2/NDF: 716638.3/109



Right In: -2313.070+/-689.460 χ^2/NDF: 39.8/30

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1742.238+/-696.575 χ^2/NDF: 22.0/31

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

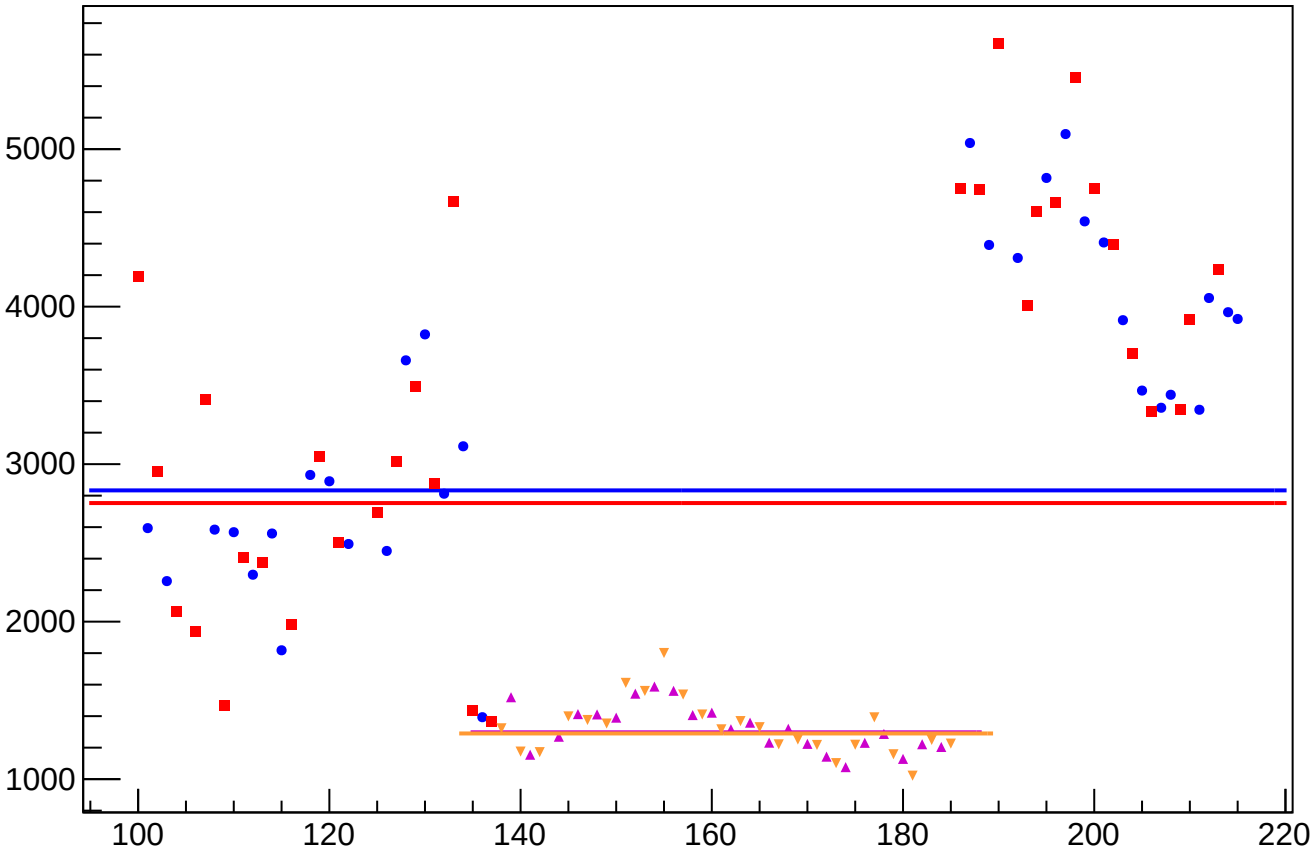
Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

Right: -306.233+/-490.018 χ^2/NDF: 78.9/62

In: -67.279+/-279.215 χ^2/NDF:72.8/53

Out: -686.770+/-277.457 χ^2/NDF:103.9/55

All: -378.982+/-196.810 χ^2/NDF: 179.2/109



Right In: 2833.401+/-0.488 χ^2/NDF: 4579287.6/30

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2752.961+/-0.493 χ^2/NDF: 5506666.6/31

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

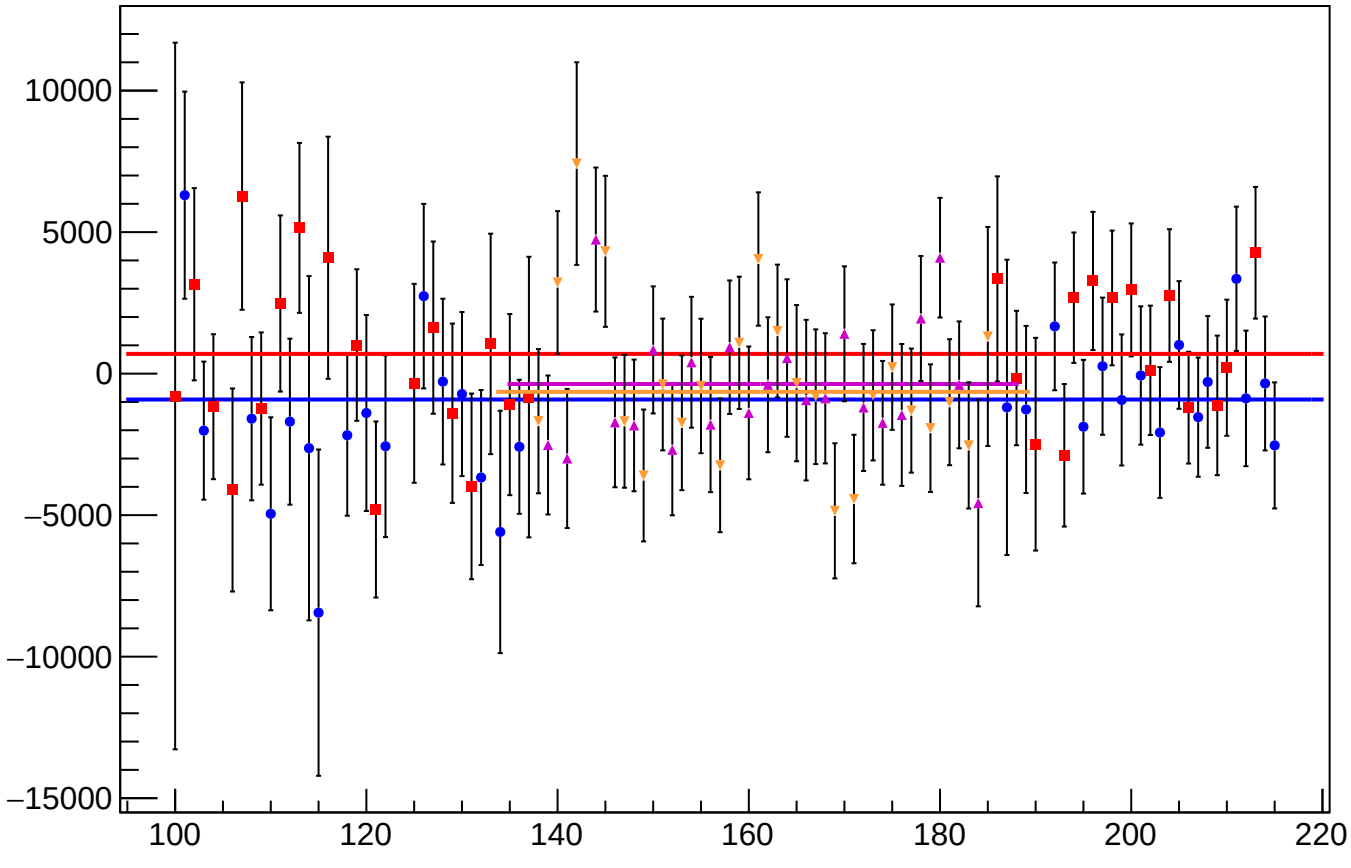
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2793.594+/-0.346 χ^2/NDF: 10099426.5/62

In: 1549.359+/-0.197 χ^2/NDF:13311165.6/53

Out: 1522.131+/-0.196 χ^2/NDF:13496538.1/55

All: 1535.659+/-0.139 χ^2/NDF: 26817273.1/



Right In: -914.384+/-491.061 χ^2/NDF: 18.1/30

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 697.631+/-501.975 χ^2/NDF: 26.3/31

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

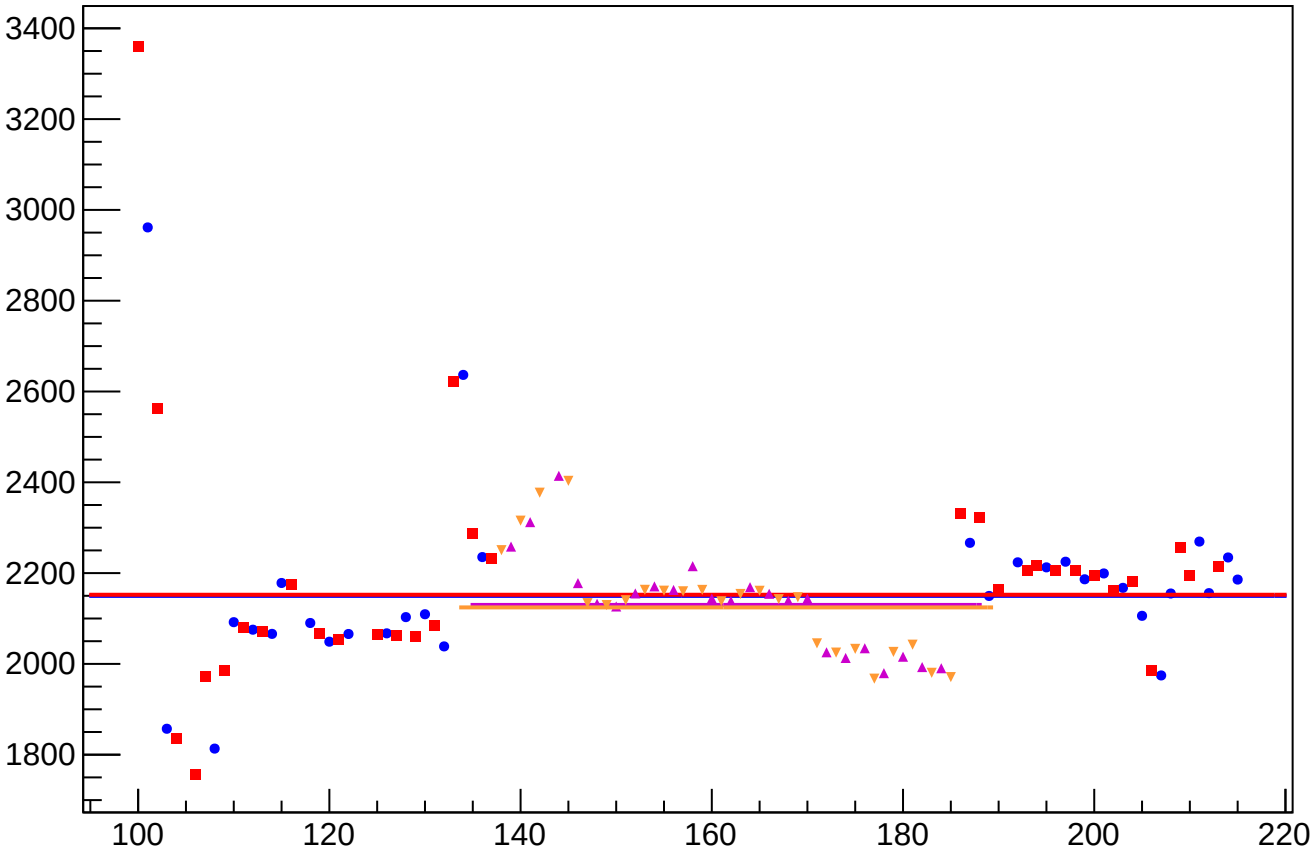
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -126.090+/-351.028 χ^2/NDF: 49.6/62

In: -644.302+/-349.624 χ^2/NDF:36.0/53

Out: 15.807+/-351.981 χ^2/NDF:57.0/55

All: -316.465+/-248.051 χ^2/NDF: 94.8/109



Right In: 2149.828+/-0.347 χ^2/NDF: 223878.3/30

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2152.306+/-0.355 χ^2/NDF: 200251.1/31

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

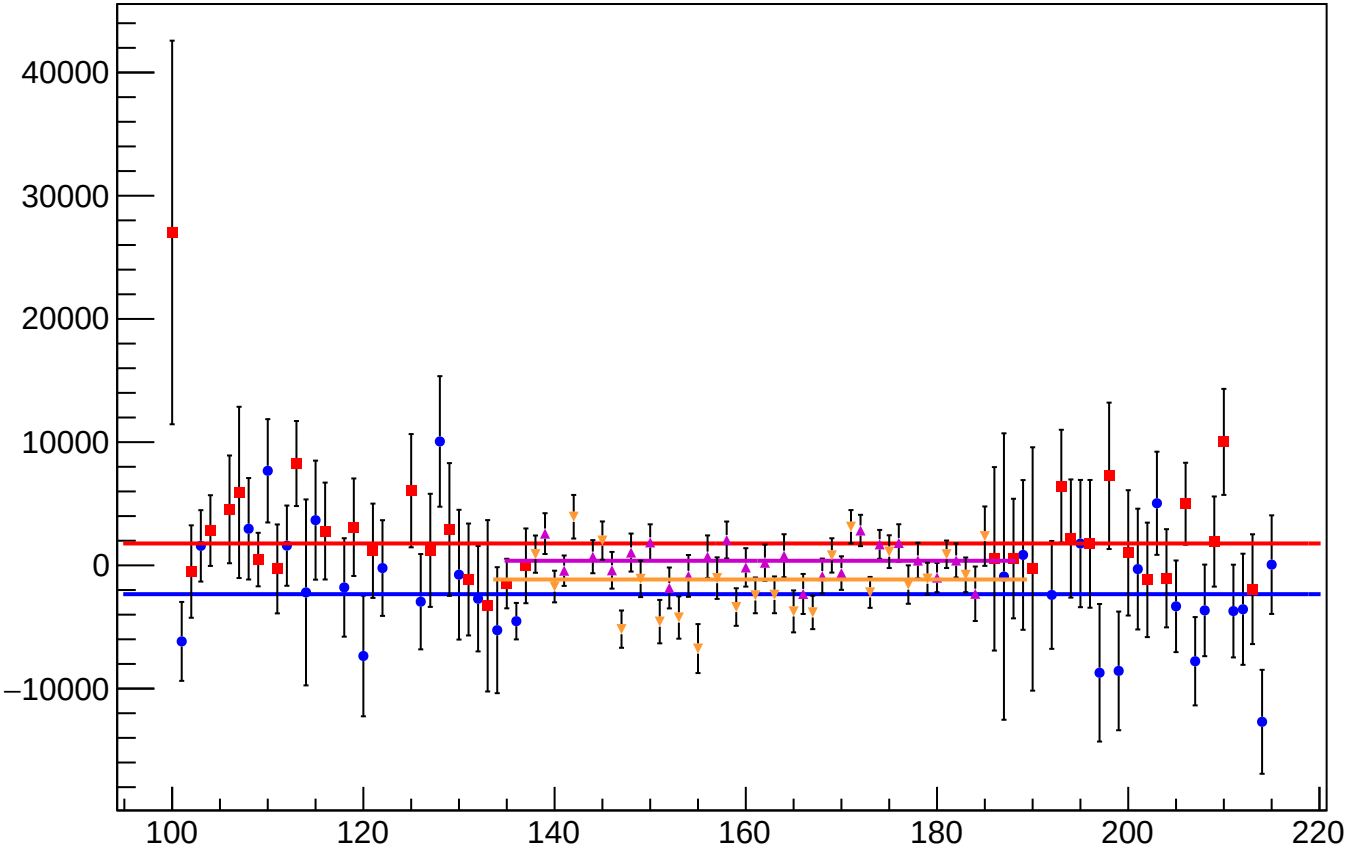
Right: 2151.040+/-0.248 χ^2/NDF: 424154.2/62

In: 2140.000+/-0.247 χ^2/NDF:310857.3/53

Out: 2138.140+/-0.249 χ^2/NDF:292568.8/55

All: 2139.076+/-0.175 χ^2/NDF: 603454.3/109

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2337.154+/-689.311 χ^2/NDF: 39.4/30

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1777.895+/-700.348 χ^2/NDF: 21.4/31

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

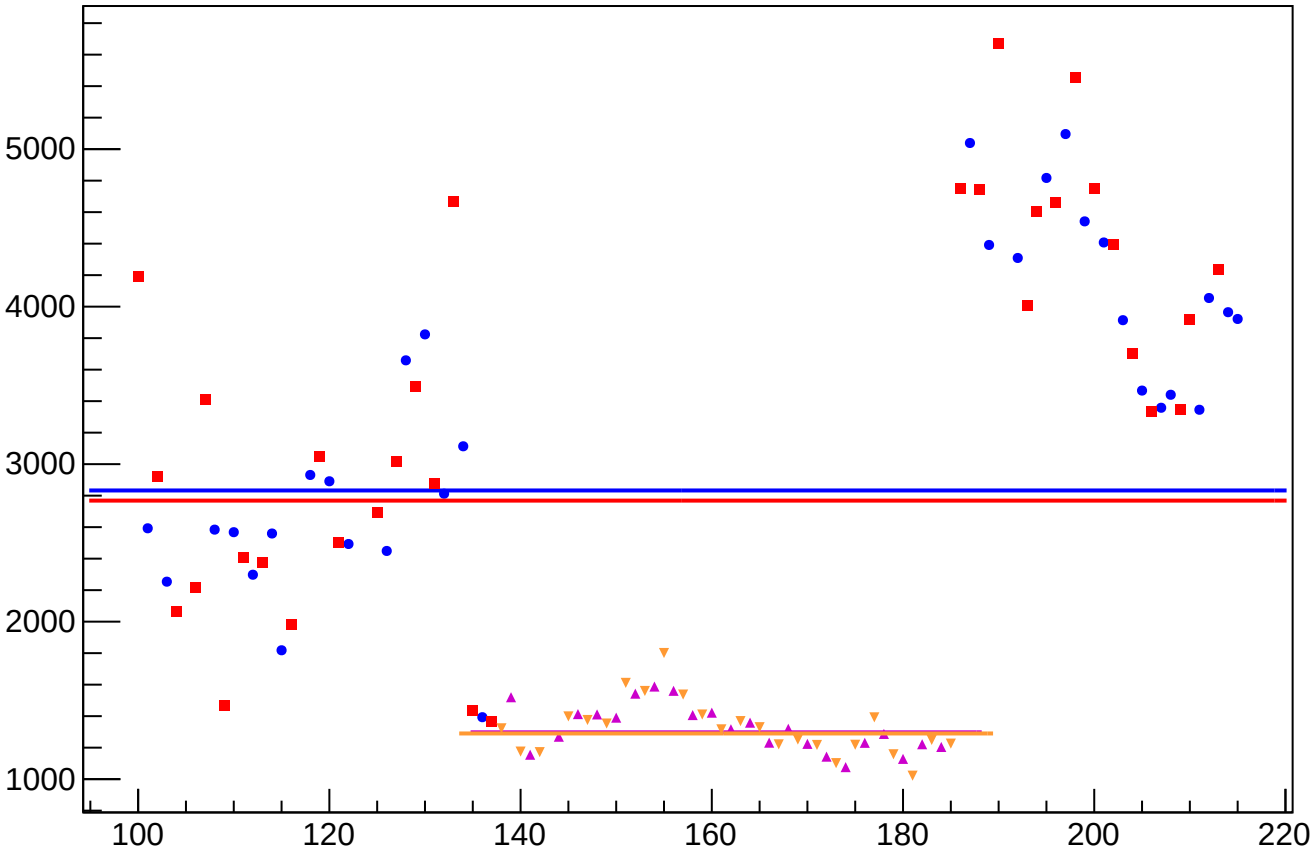
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -312.310+/-491.272 χ^2/NDF: 78.4/62

In: -71.488+/-279.206 χ^2/NDF:72.6/53

Out: -685.275+/-277.695 χ^2/NDF:103.6/55

All: -380.047+/-196.892 χ^2/NDF: 178.7/109



Right In: 2832.916+/-0.487 χ^2/NDF: 4580887.1/30

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2768.533+/-0.495 χ^2/NDF: 5434334.9/31

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

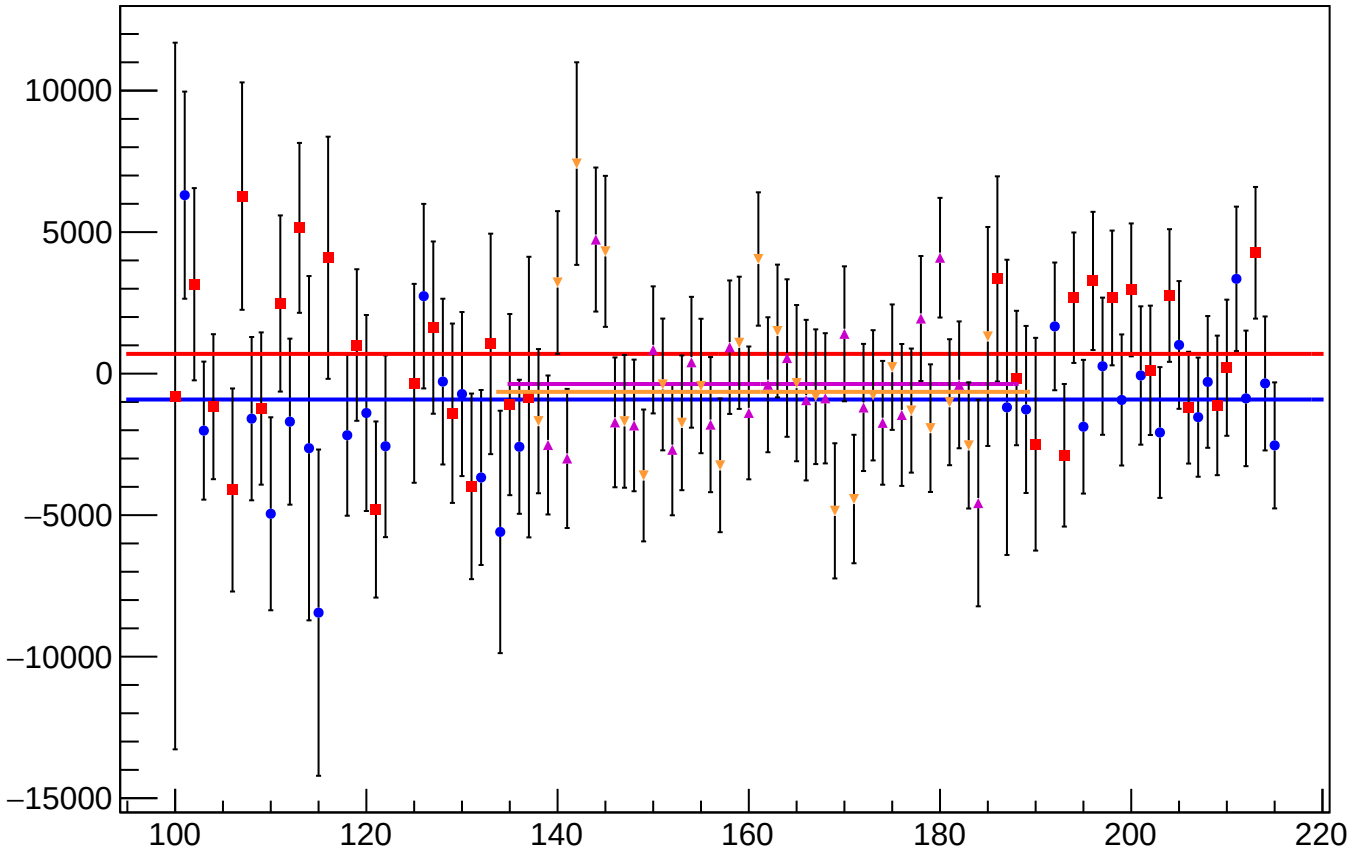
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2801.236+/-0.347 χ^2/NDF: 10023807.3/62

In: 1549.374+/-0.197 χ^2/NDF:13310488.3/53

Out: 1522.490+/-0.196 χ^2/NDF:13514194.9/55

All: 1535.859+/-0.139 χ^2/NDF: 26834005.1/1



Right In: -914.384+/-491.061 χ^2/NDF: 18.1/30

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 697.631+/-501.975 χ^2/NDF: 26.3/31

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

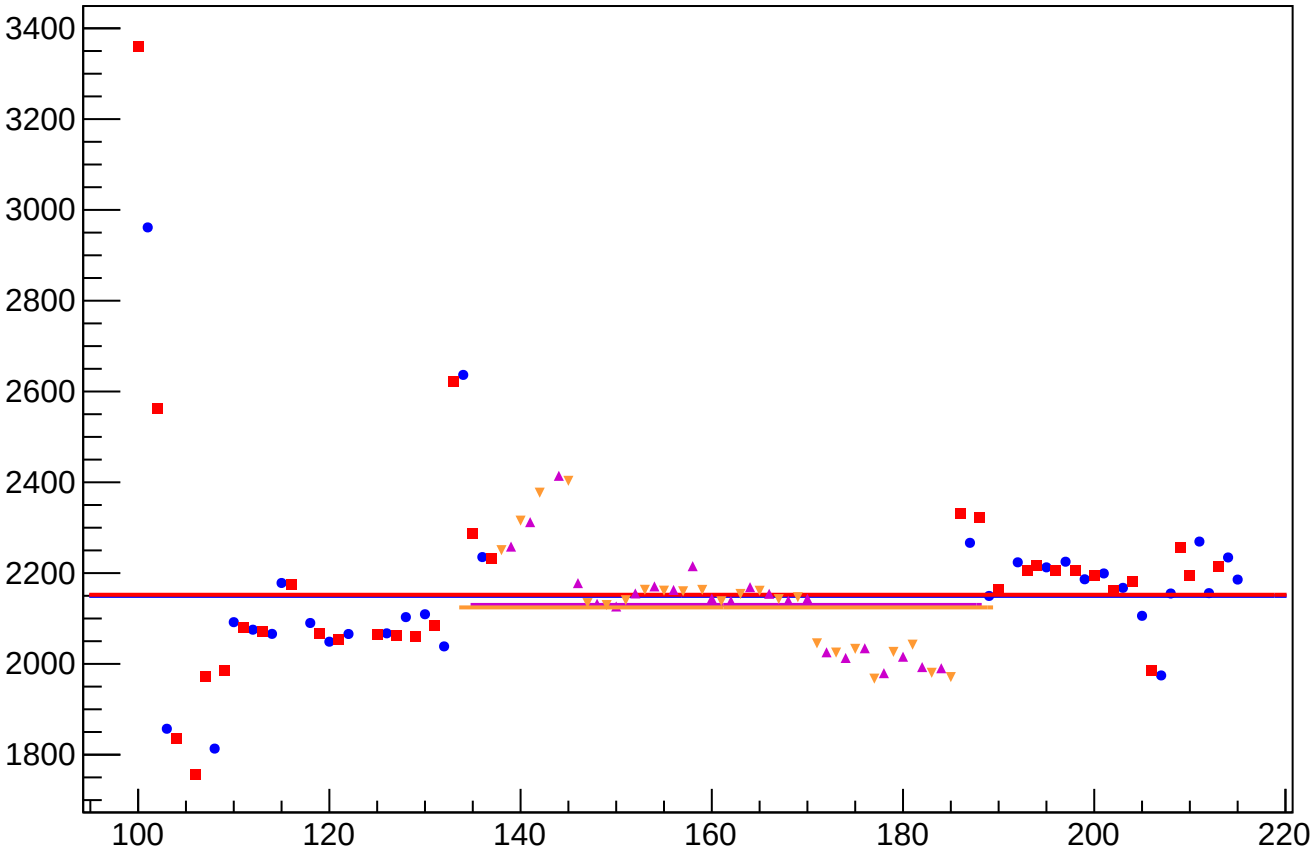
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -126.090+/-351.028 χ^2/NDF: 49.6/62

In: -644.302+/-349.624 χ^2/NDF:36.0/53

Out: 15.807+/-351.981 χ^2/NDF:57.0/55

All: -316.465+/-248.051 χ^2/NDF: 94.8/109



Right In: 2149.828+/-0.347 χ^2/NDF: 223878.3/30

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2152.306+/-0.355 χ^2/NDF: 200251.1/31

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

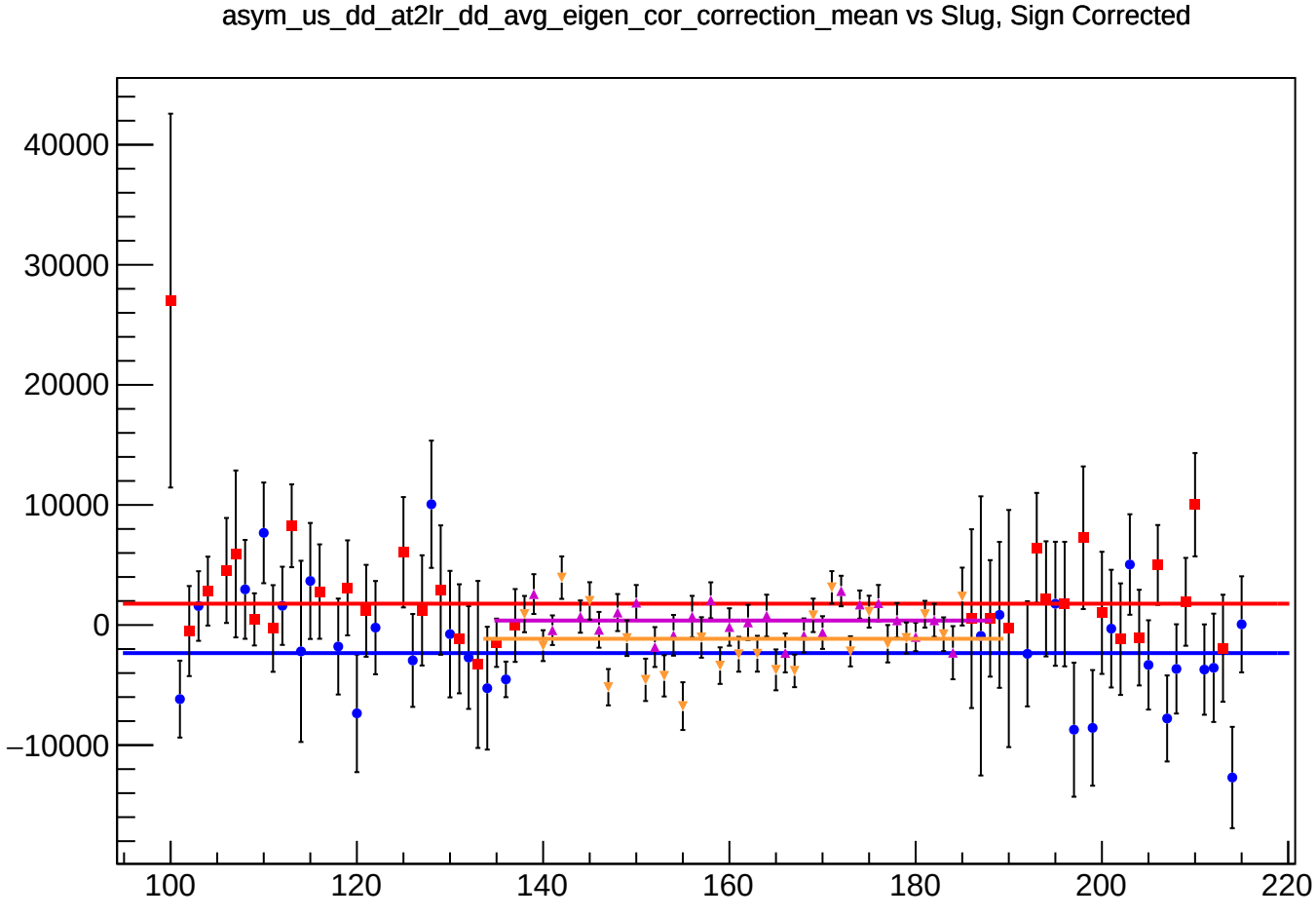
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2151.040+/-0.248 χ^2/NDF: 424154.2/62

In: 2140.000+/-0.247 χ^2/NDF:310857.3/53

Out: 2138.140+/-0.249 χ^2/NDF:292568.8/55

All: 2139.076+/-0.175 χ^2/NDF: 603454.3/109



Right In: -2337.154+/-689.311 χ^2/NDF: 39.4/30

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1777.895+/-700.348 χ^2/NDF: 21.4/31

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

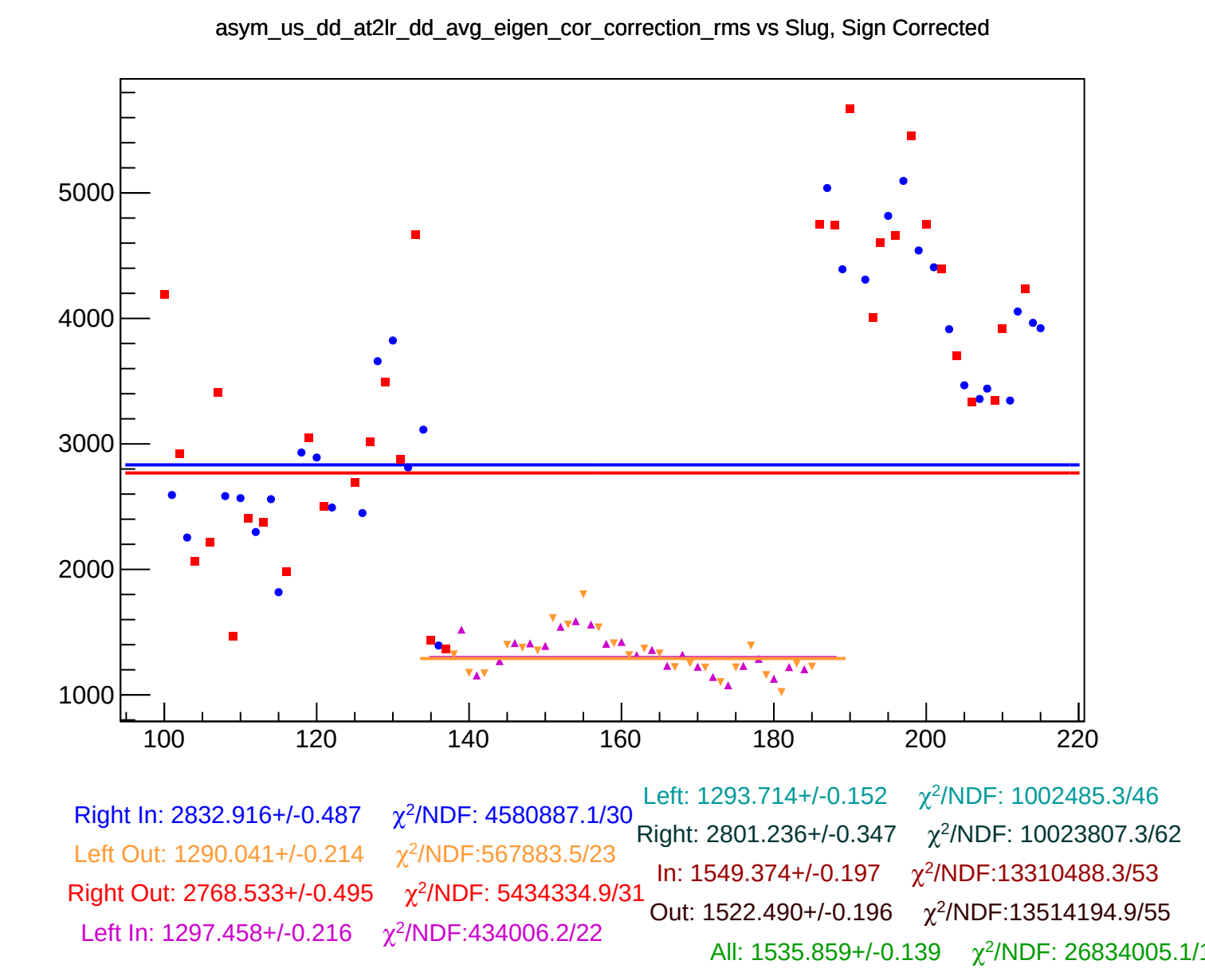
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

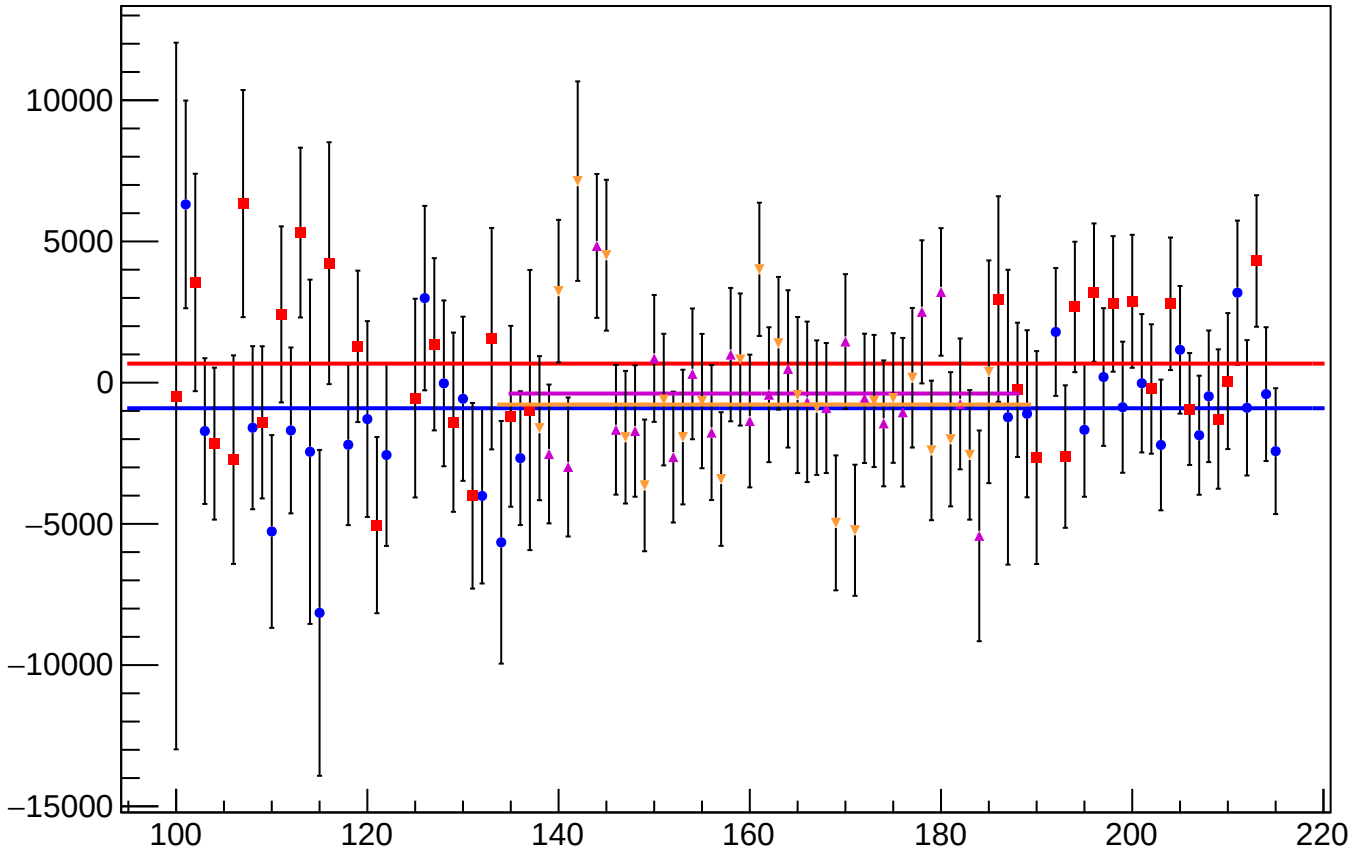
Right: -312.310+/-491.272 χ^2/NDF: 78.4/62

In: -71.488+/-279.206 χ^2/NDF:72.6/53

Out: -685.275+/-277.695 χ^2/NDF:103.6/55

All: -380.047+/-196.892 χ^2/NDF: 178.7/109


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2832.916+/-0.487 χ²/NDF: 4580887.1/30
Left Out: 1290.041+/-0.214 χ²/NDF:567883.5/23
Right Out: 2768.533+/-0.495 χ²/NDF: 5434334.9/31
Left In: 1297.458+/-0.216 χ²/NDF:434006.2/22
Left: 1293.714+/-0.152 χ²/NDF: 1002485.3/46
Right: 2801.236+/-0.347 χ²/NDF: 10023807.3/62
In: 1549.374+/-0.197 χ²/NDF:13310488.3/53
Out: 1522.490+/-0.196 χ²/NDF:13514194.9/55
All: 1535.859+/-0.139 χ²/NDF: 26834005.1/



Right In: -905.427+/-493.012 χ^2/NDF: 18.5/30

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 674.453+/-505.403 χ^2/NDF: 26.3/31

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

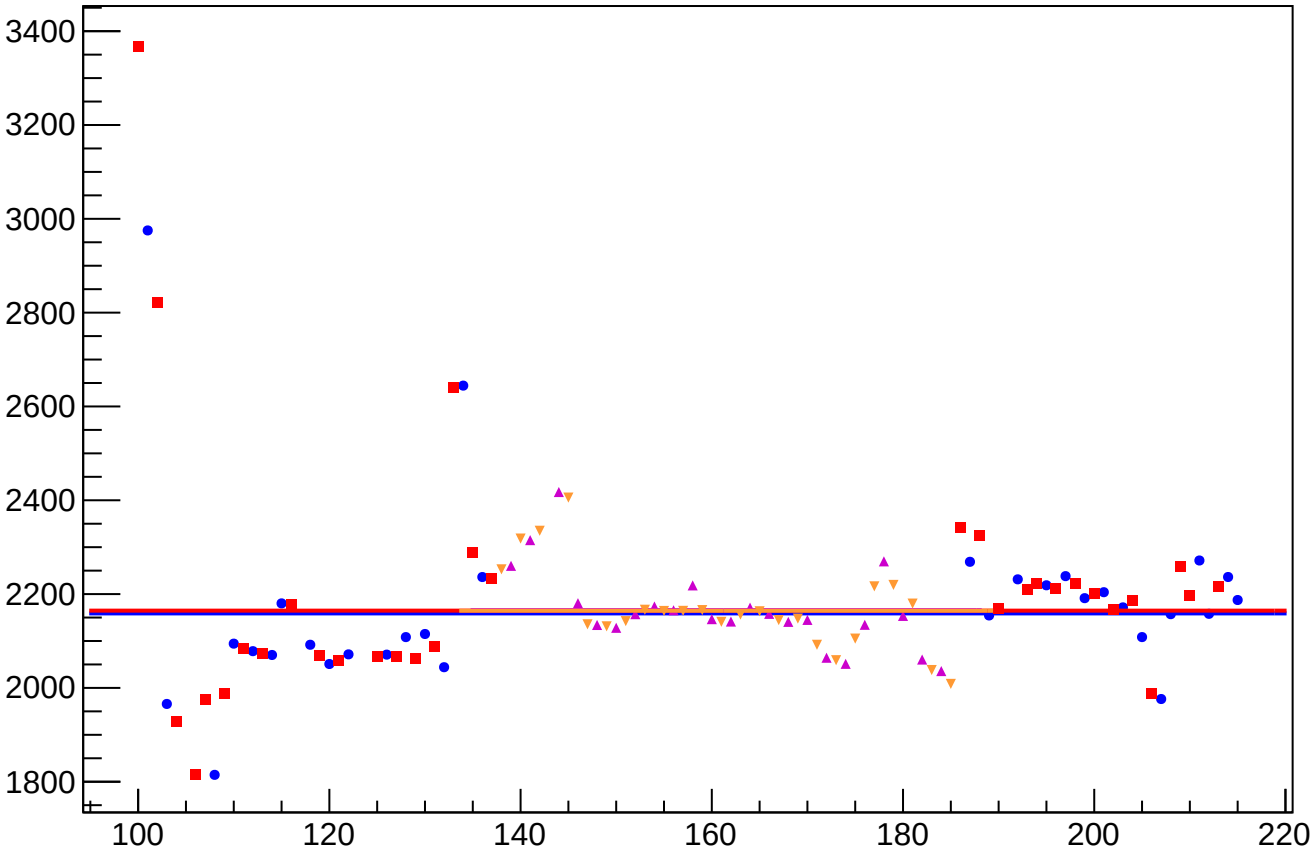
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -135.092+/-352.911 χ^2/NDF: 49.8/62

In: -652.136+/-353.132 χ^2/NDF:34.7/53

Out: -53.278+/-356.456 χ^2/NDF:59.0/55

All: -355.512+/-250.869 χ^2/NDF: 95.1/109



Right In: 2158.810+/-0.349 χ^2/NDF: 208188.3/30

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2164.729+/-0.357 χ^2/NDF: 208997.4/31

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

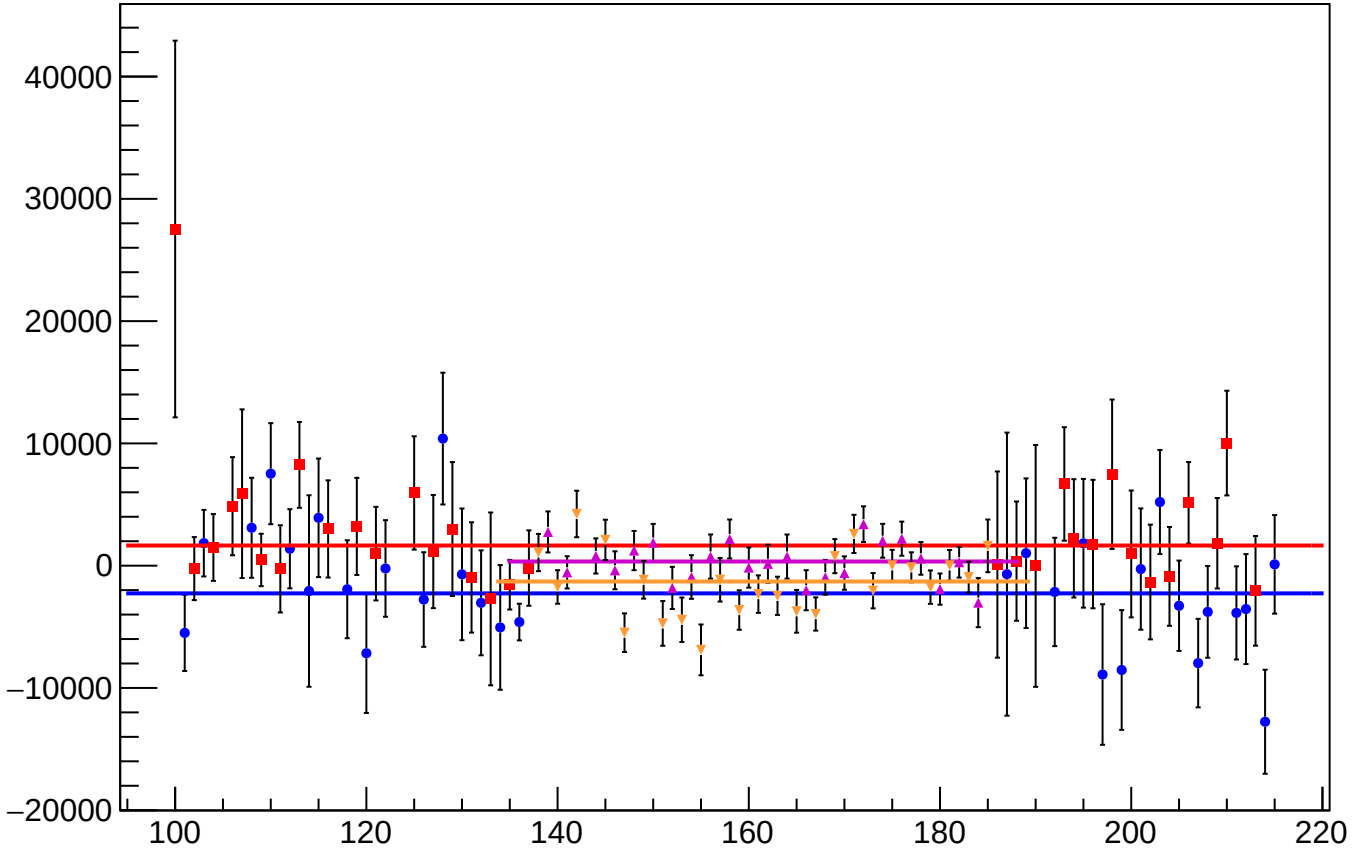
Right: 2161.696+/-0.250 χ^2/NDF: 417326.2/62

In: 2162.138+/-0.250 χ^2/NDF:260499.8/53

Out: 2164.630+/-0.252 χ^2/NDF:259673.8/55

All: 2163.372+/-0.177 χ^2/NDF: 520223.0/109

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2266.092+/-690.415 χ^2/NDF: 39.8/30

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1648.323+/-686.642 χ^2/NDF: 22.0/31

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

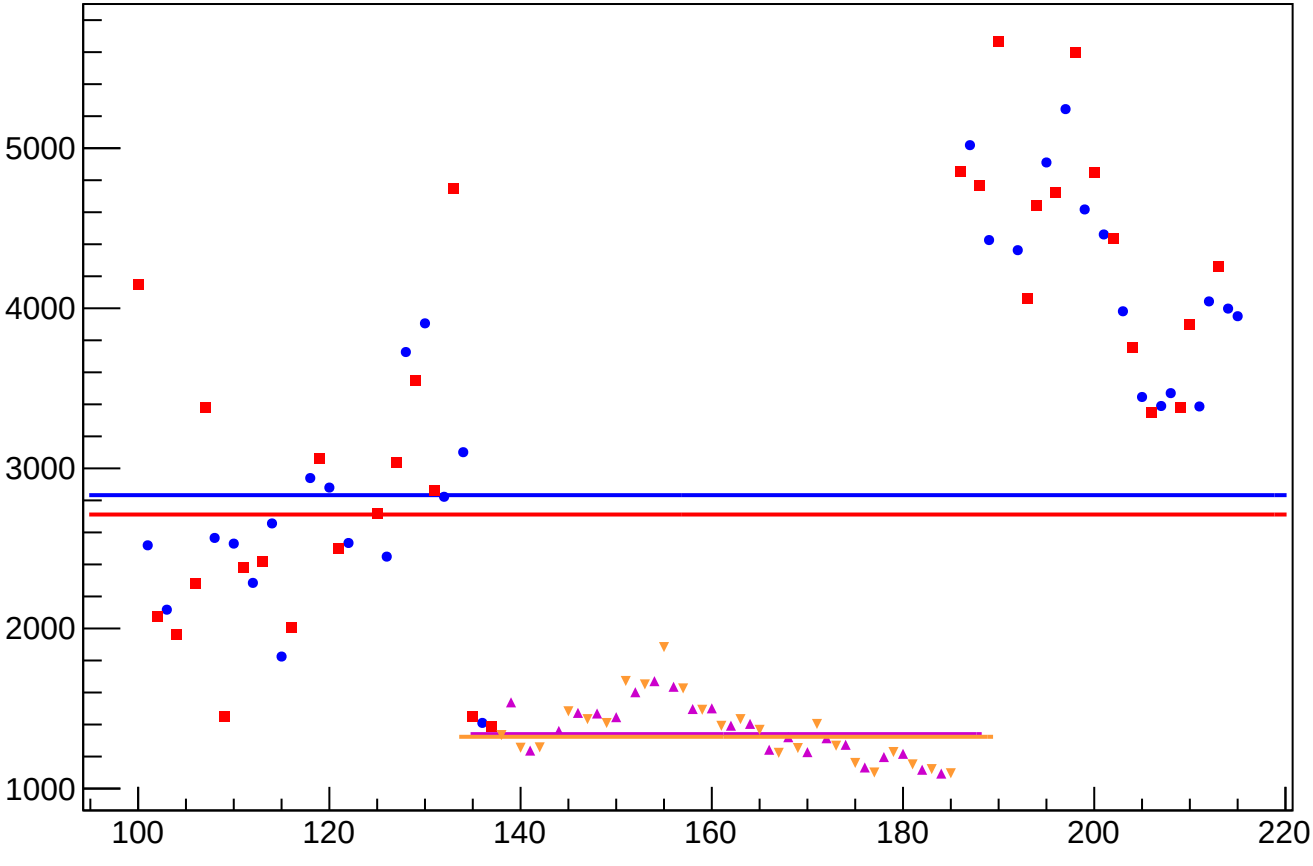
Right: -298.160+/-486.857 χ^2/NDF: 77.9/62

In: -109.315+/-287.007 χ^2/NDF:76.4/53

Out: -793.920+/-283.010 χ^2/NDF:95.9/55

All: -456.418+/-201.517 χ^2/NDF: 175.2/109

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2832.772+/-0.488 χ^2/NDF: 4685468.5/30

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2711.811+/-0.486 χ^2/NDF: 5700997.4/31

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

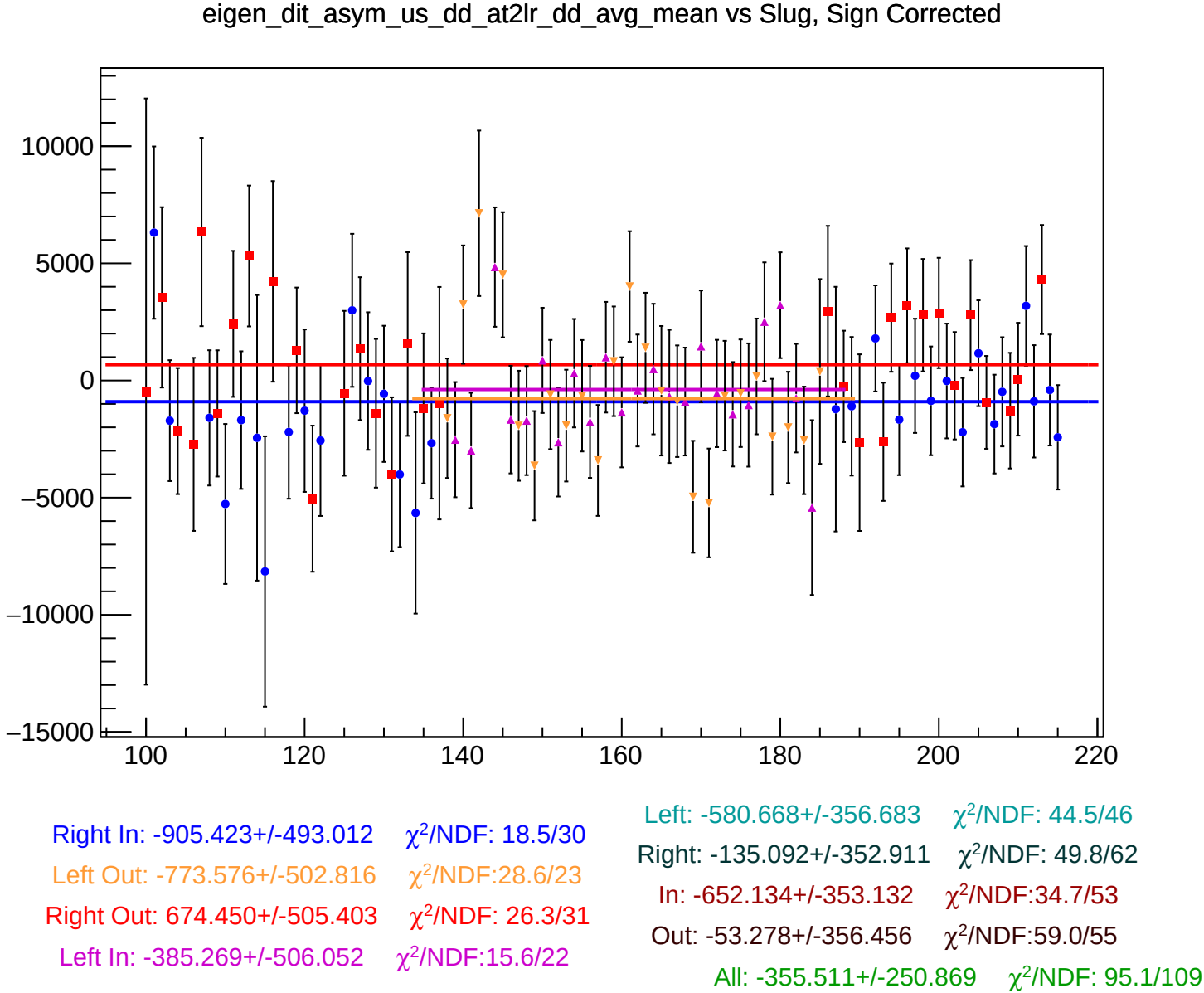
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

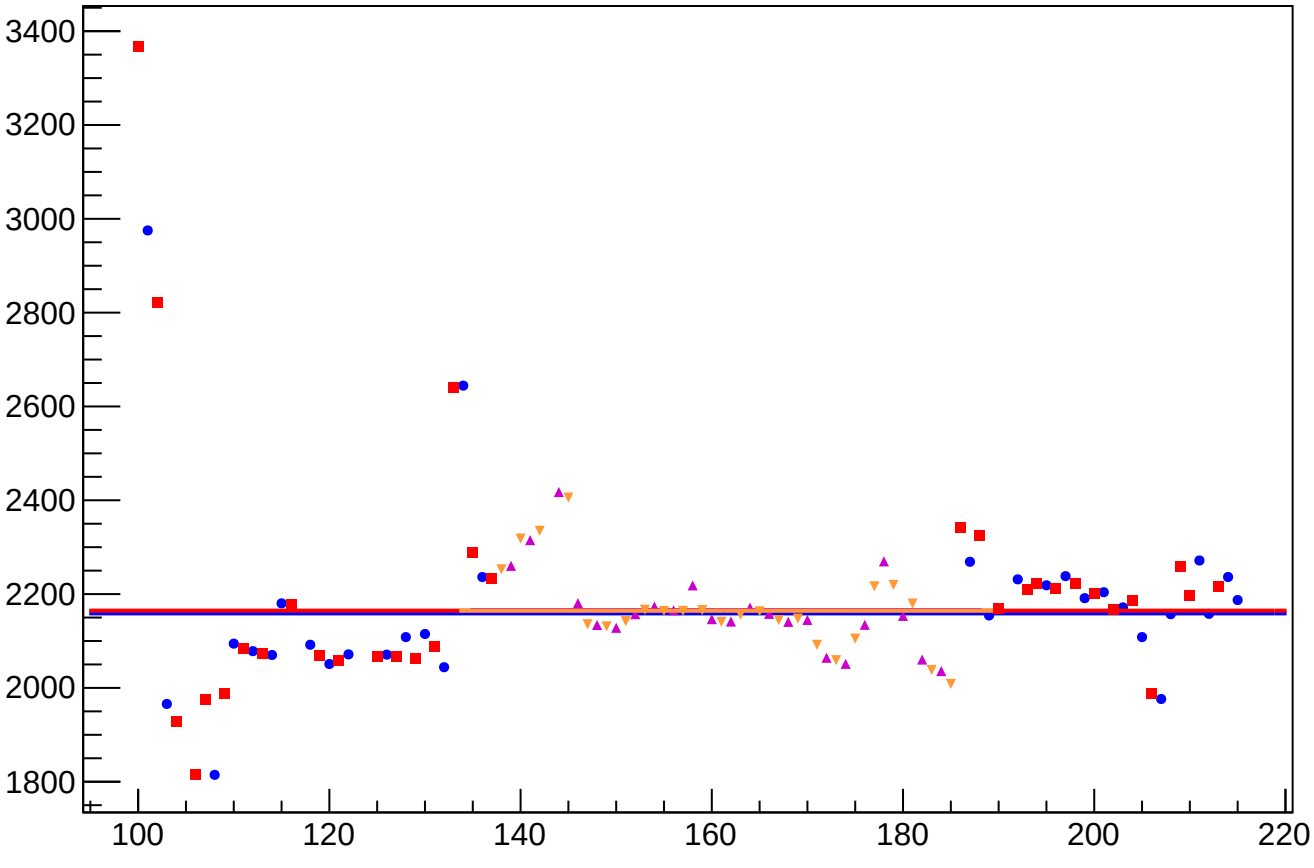
Right: 2771.960+/-0.344 χ^2/NDF: 10417329.4/62

In: 1598.034+/-0.203 χ^2/NDF:12912839.2/53

Out: 1559.266+/-0.200 χ^2/NDF:13152902.2/55

All: 1578.378+/-0.142 χ^2/NDF: 26084243.0/


eigen_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: -905.423+/-493.012 χ²/NDF: 18.5/30
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 674.450+/-505.403 χ²/NDF: 26.3/31
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -135.092+/-352.911 χ²/NDF: 49.8/62
In: -652.134+/-353.132 χ²/NDF:34.7/53
Out: -53.278+/-356.456 χ²/NDF:59.0/55
All: -355.511+/-250.869 χ²/NDF: 95.1/109



Right In: 2158.810+/-0.349 χ^2/NDF: 208188.3/30

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2164.728+/-0.357 χ^2/NDF: 208997.3/31

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

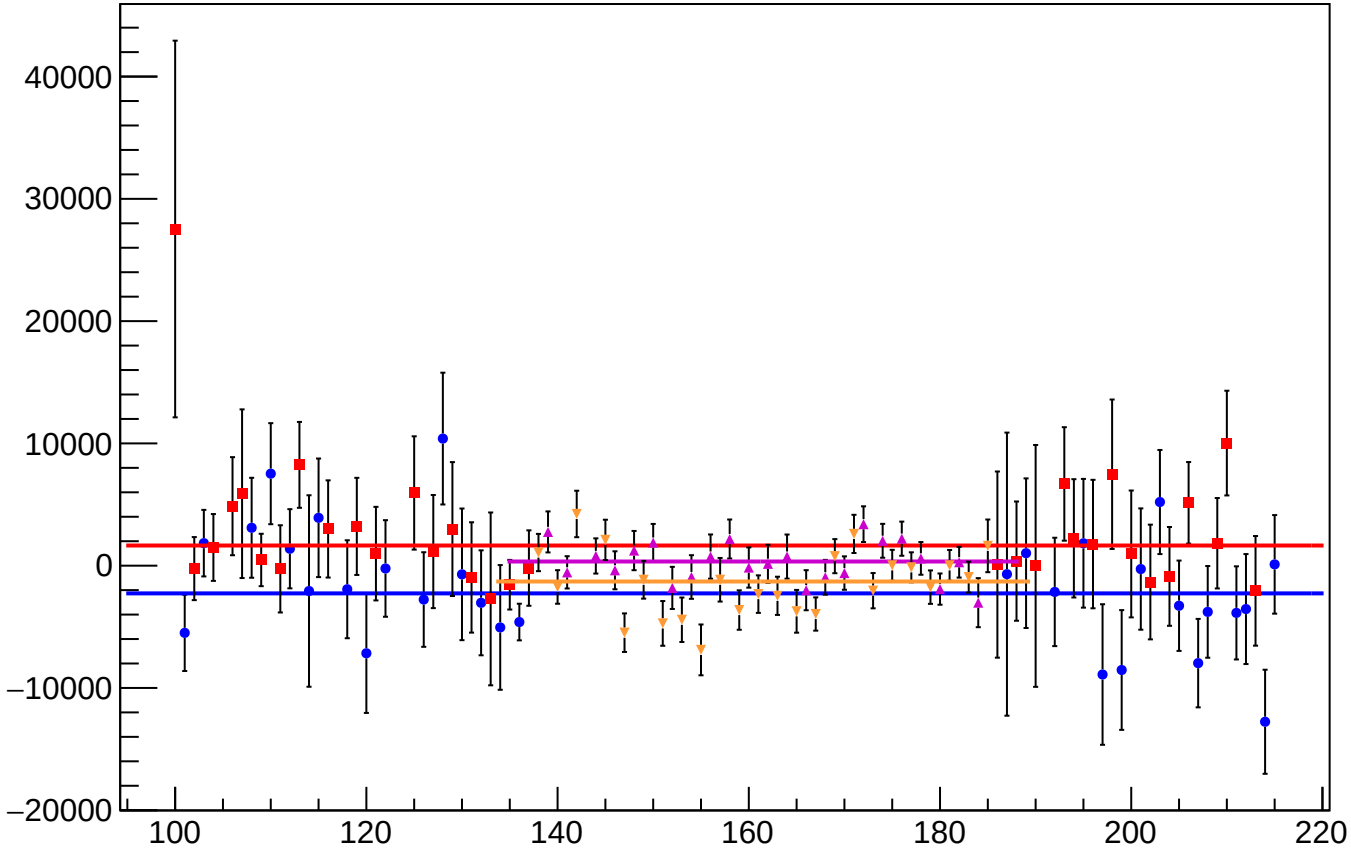
Right: 2161.696+/-0.250 χ^2/NDF: 417326.1/62

In: 2162.137+/-0.250 χ^2/NDF:260499.8/53

Out: 2164.630+/-0.252 χ^2/NDF:259673.8/55

All: 2163.372+/-0.177 χ^2/NDF: 520222.9/109

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2266.087+/-690.416 χ^2/NDF: 39.8/30

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1648.336+/-686.644 χ^2/NDF: 22.0/31

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

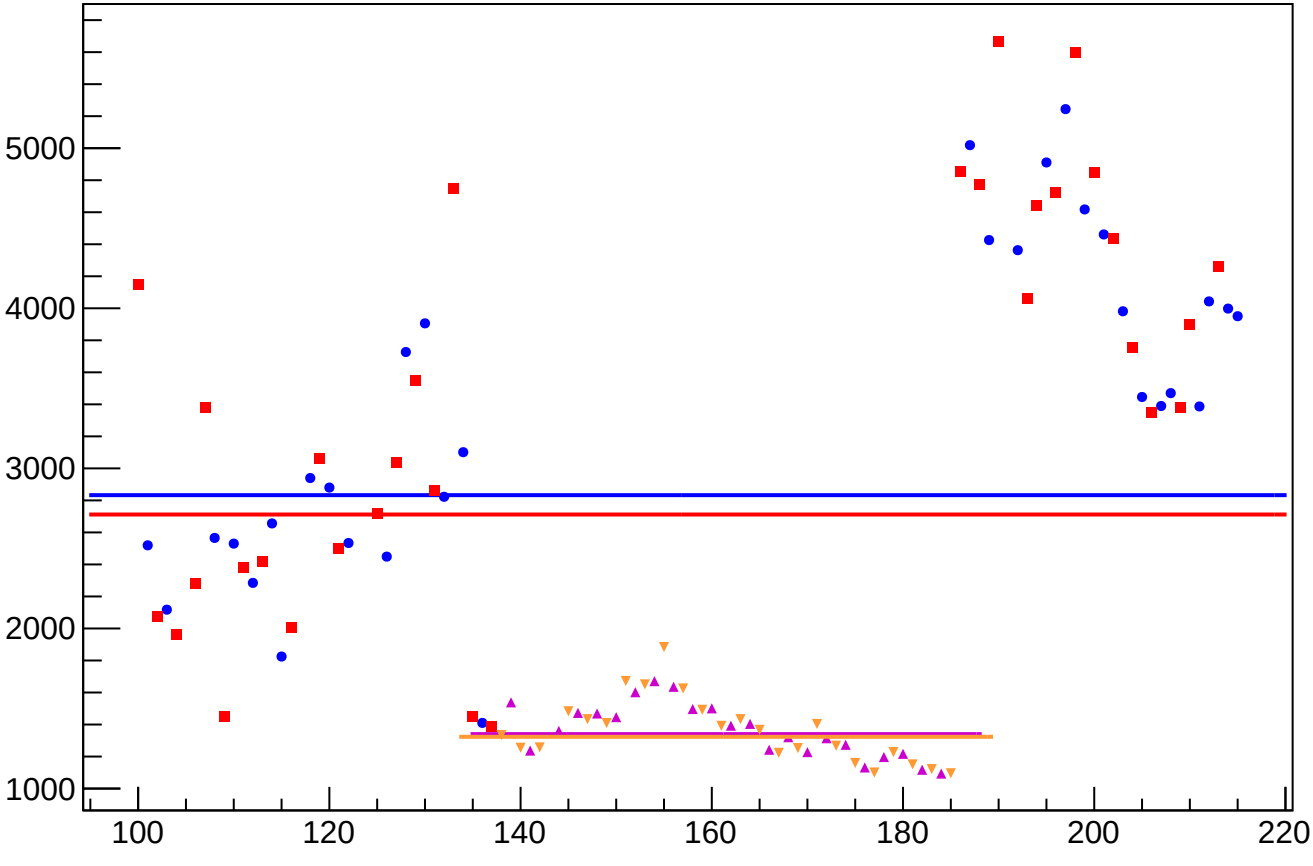
Right: -298.152+/-486.859 χ^2/NDF: 77.9/62

In: -109.314+/-287.007 χ^2/NDF:76.4/53

Out: -793.921+/-283.010 χ^2/NDF:95.9/55

All: -456.417+/-201.517 χ^2/NDF: 175.2/109

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2832.782+/-0.488 χ^2/NDF: 4685359.5/30

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2711.823+/-0.486 χ^2/NDF: 5700900.4/31

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

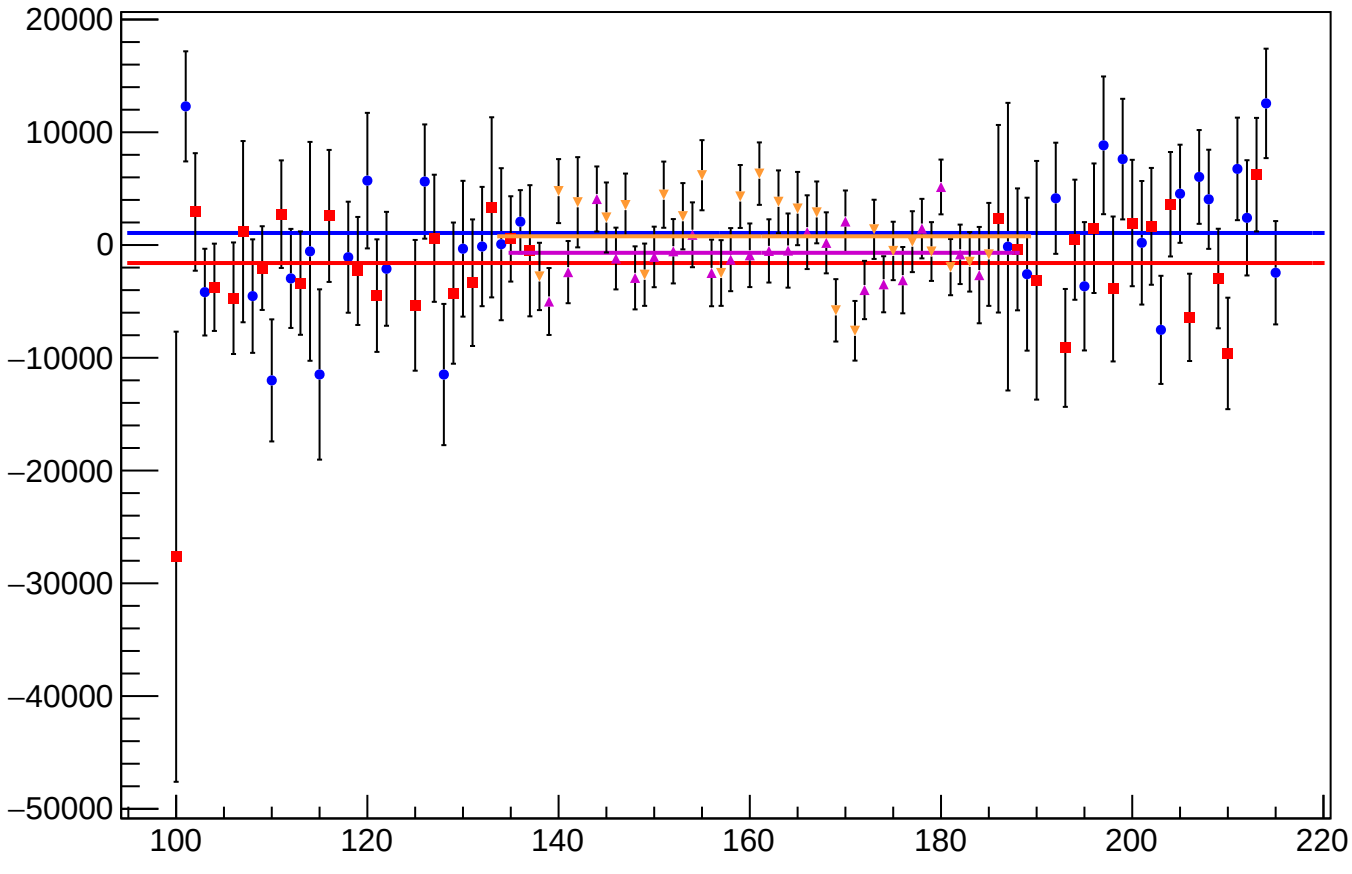
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2771.971+/-0.344 χ^2/NDF: 10417122.5/62

In: 1598.034+/-0.203 χ^2/NDF:12912837.6/53

Out: 1559.267+/-0.200 χ^2/NDF:13152891.2/55

All: 1578.378+/-0.142 χ^2/NDF: 26084229.0/



Right In: 1068.976+/-903.063 χ^2/NDF: 42.2/30

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1595.772+/-924.074 χ^2/NDF: 18.4/31

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

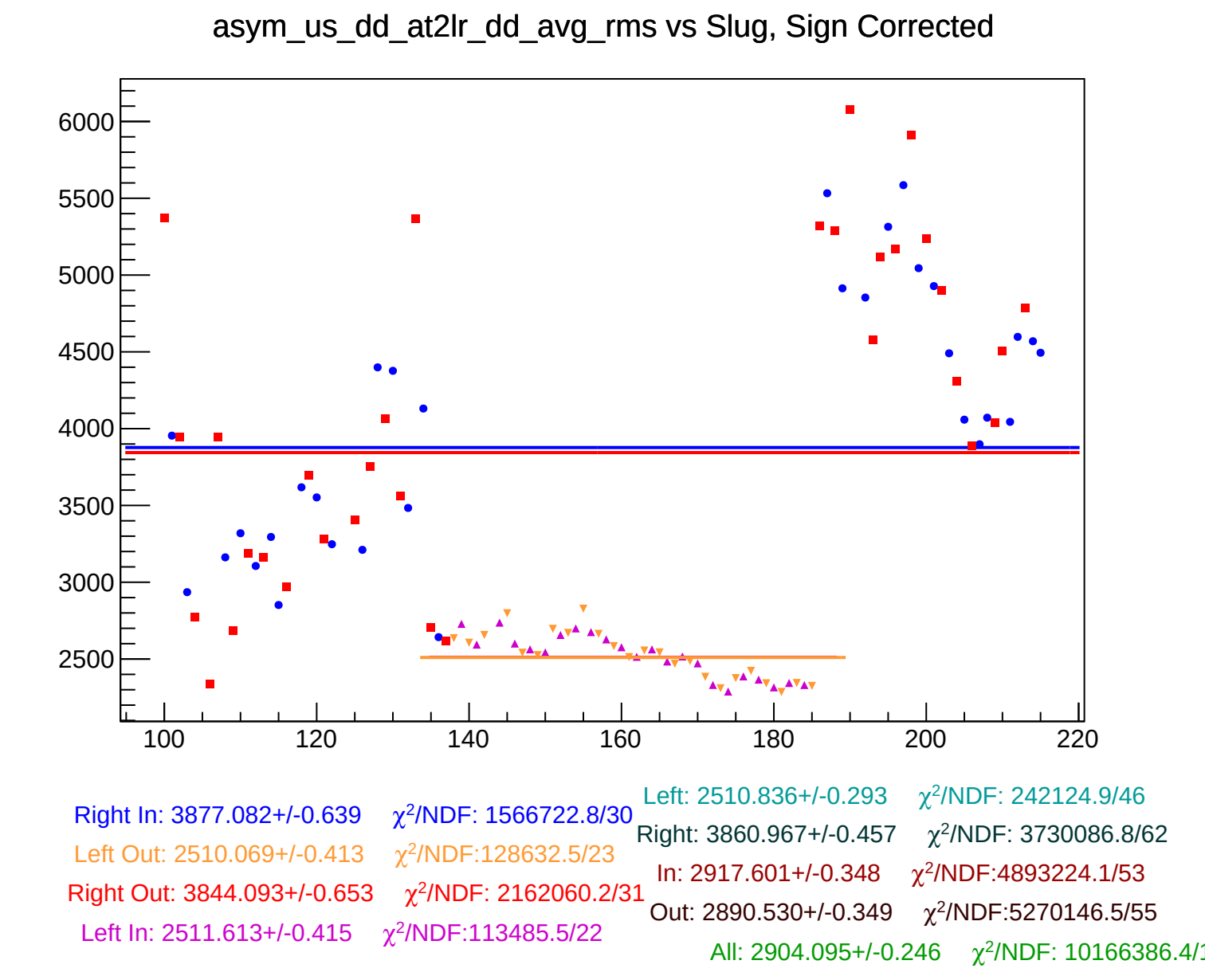
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

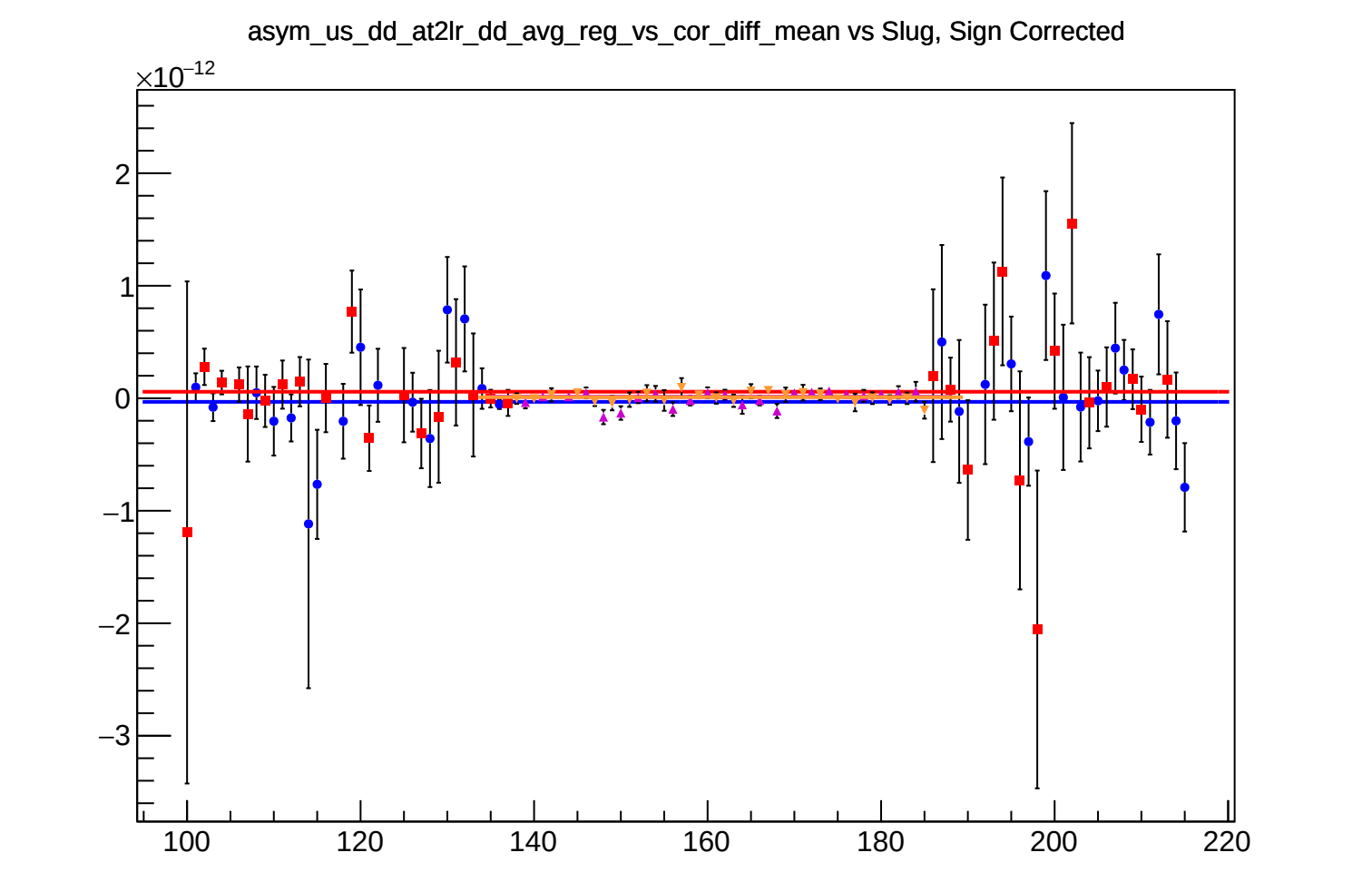
Right: -232.760+/-645.862 χ^2/NDF: 64.9/62

In: -166.998+/-492.418 χ^2/NDF:63.2/53

Out: 98.715+/-493.489 χ^2/NDF:62.5/55

All: -34.430+/-348.570 χ^2/NDF: 125.8/109


asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
100
120
140
160
180
200
220
Right In: 3877.082+/-0.639 χ²/NDF: 1566722.8/30
Left Out: 2510.069+/-0.413 χ²/NDF:128632.5/23
Right Out: 3844.093+/-0.653 χ²/NDF: 2162060.2/31
Left In: 2511.613+/-0.415 χ²/NDF:113485.5/22
Left: 2510.836+/-0.293 χ²/NDF: 242124.9/46
Right: 3860.967+/-0.457 χ²/NDF: 3730086.8/62
In: 2917.601+/-0.348 χ²/NDF:4893224.1/53
Out: 2890.530+/-0.349 χ²/NDF:5270146.5/55
All: 2904.095+/-0.246 χ²/NDF: 10166386.4/



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/31

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

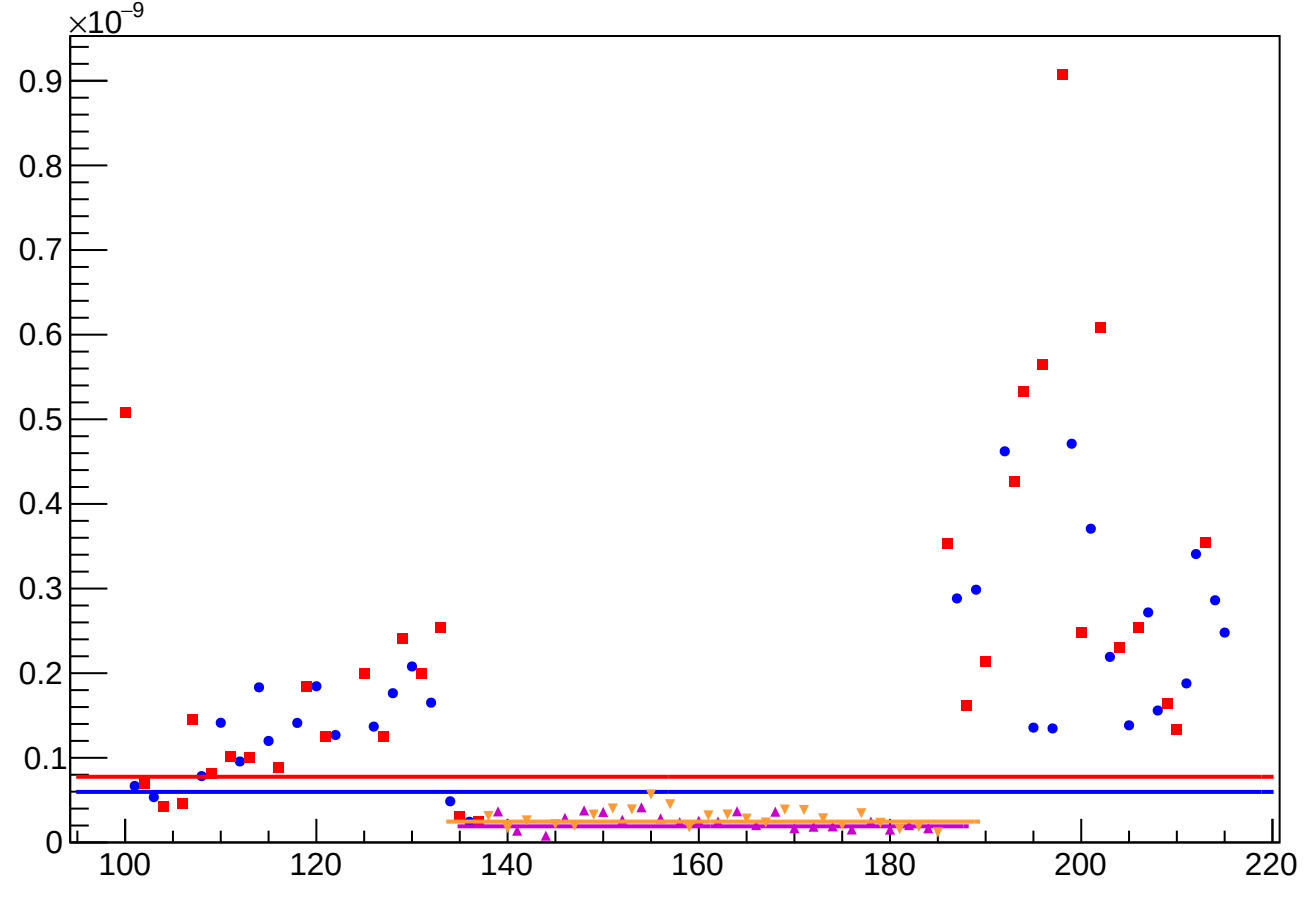
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 52.0/62

In: 0.000+/-0.000 χ^2/NDF:59.0/53

Out: 0.000+/-0.000 χ^2/NDF:36.2/55

All: 0.000+/-0.000 χ^2/NDF: 95.3/109



Right In: 0.000+/-0.000 χ^2/NDF: 8099944.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7904926.1/31

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

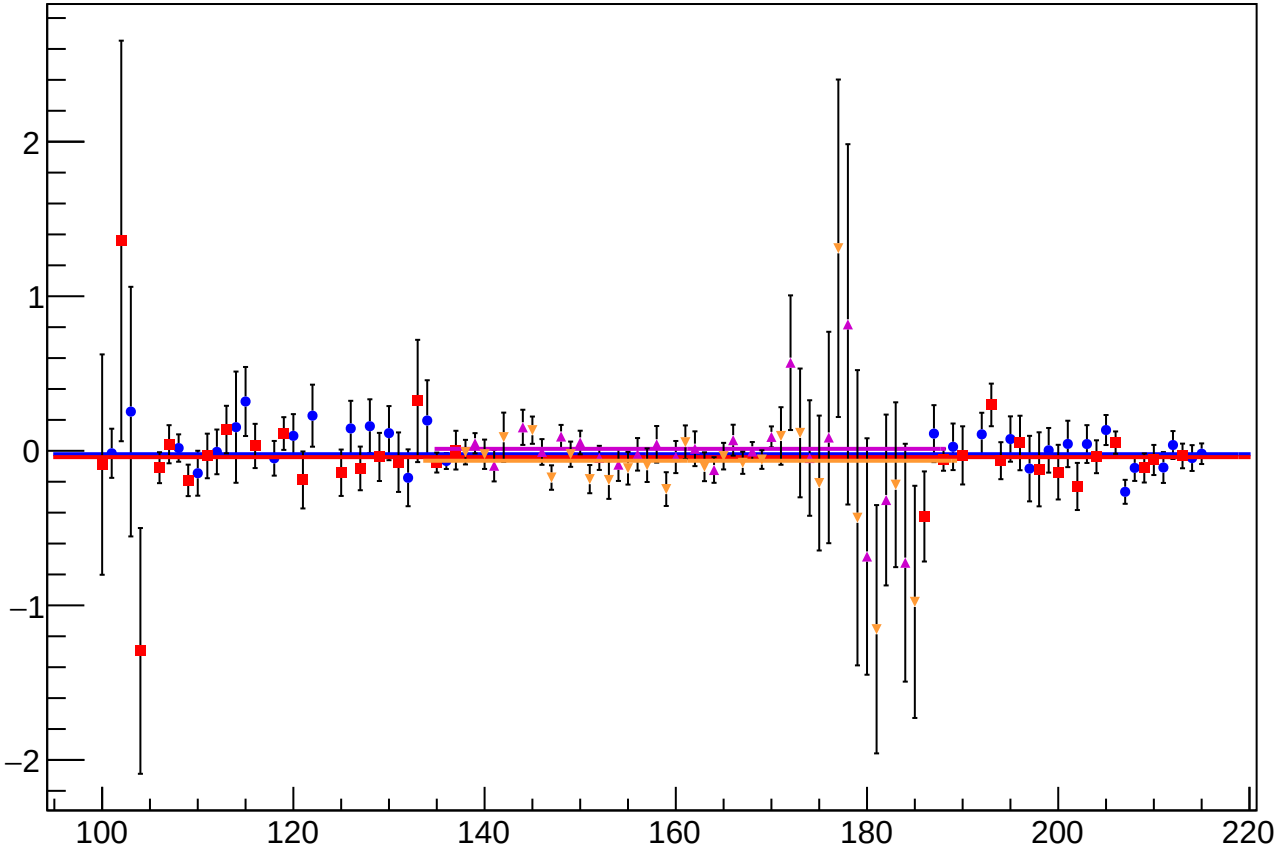
Right: 0.000+/-0.000 χ^2/NDF: 16239308.1/62

In: 0.000+/-0.000 χ^2/NDF:13187293.2/53

Out: 0.000+/-0.000 χ^2/NDF:12504795.7/55

All: 0.000+/-0.000 χ^2/NDF: 26143553.5/109

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF: 28.0/30

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.022 χ^2/NDF: 25.5/31

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

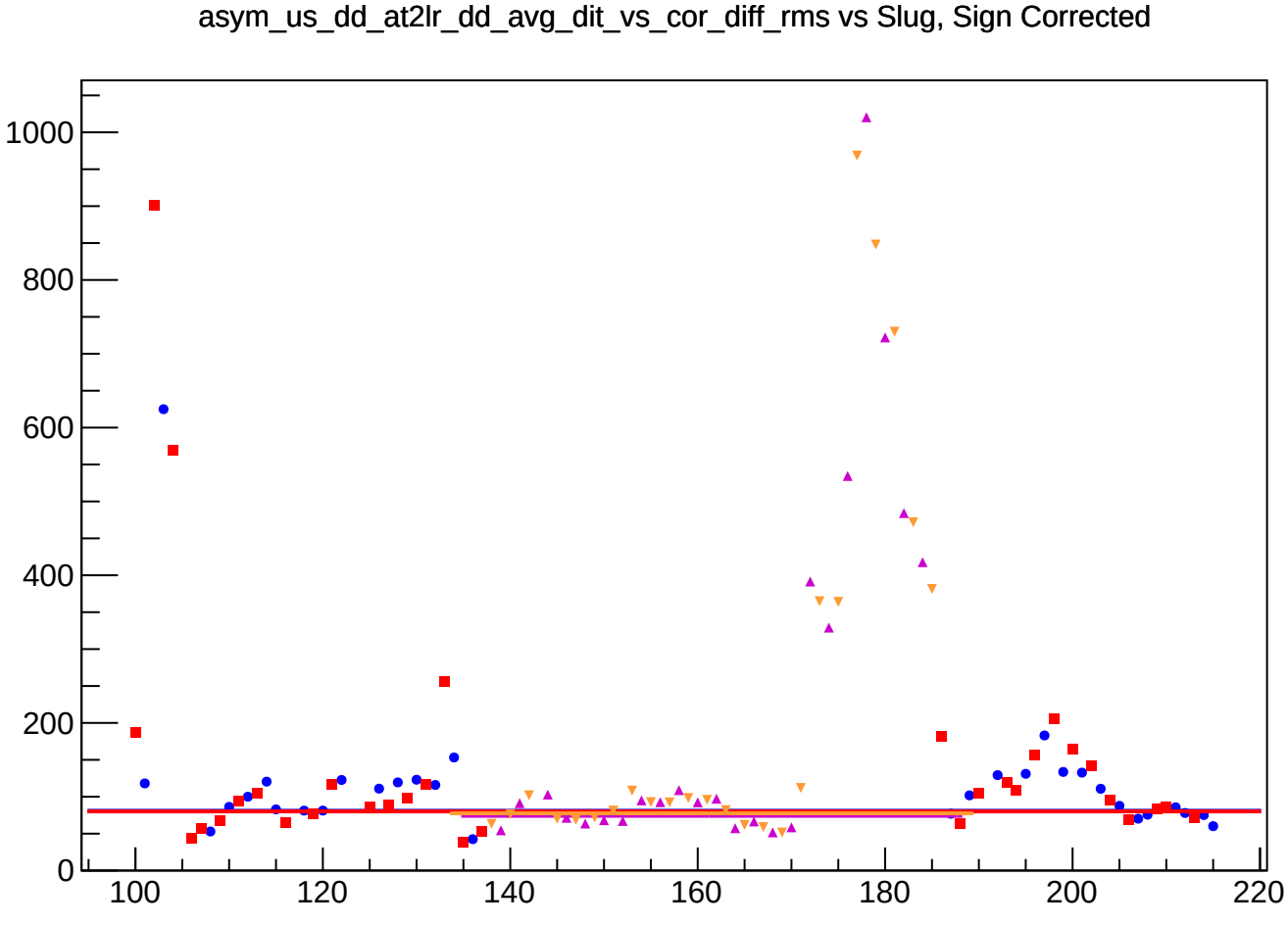
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.031+/-0.015 χ^2/NDF: 53.9/62

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/109



Right In: 80.984+/-0.015 χ^2/NDF: 4834765.1/30

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.182+/-0.015 χ^2/NDF: 6080193.8/31

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

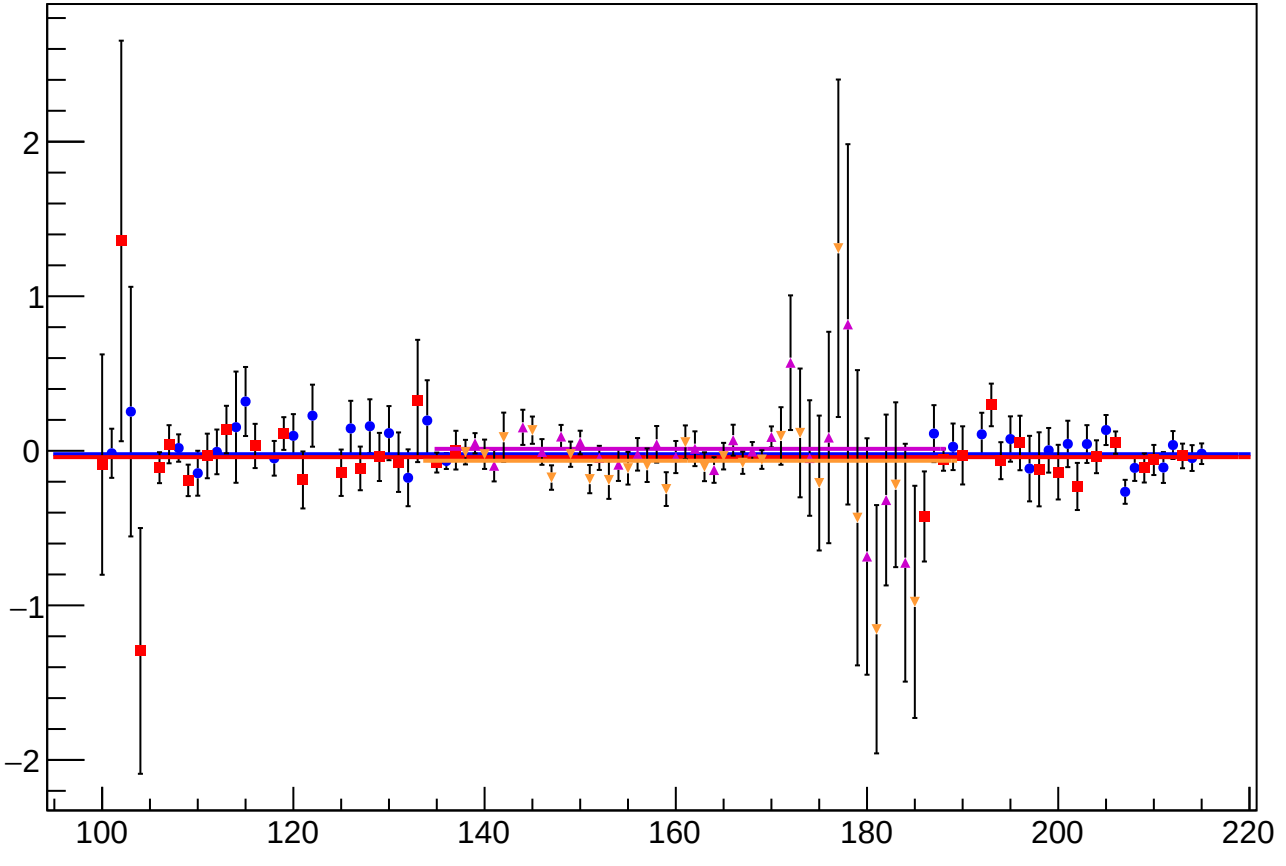
Right: 80.600+/-0.011 χ^2/NDF: 10916390.2/62

In: 77.659+/-0.010 χ^2/NDF:13453271.6/53

Out: 78.886+/-0.011 χ^2/NDF:14426059.2/55

All: 78.246+/-0.008 χ^2/NDF: 27885908.2/109

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF: 28.0/30

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.022 χ^2/NDF: 25.5/31

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

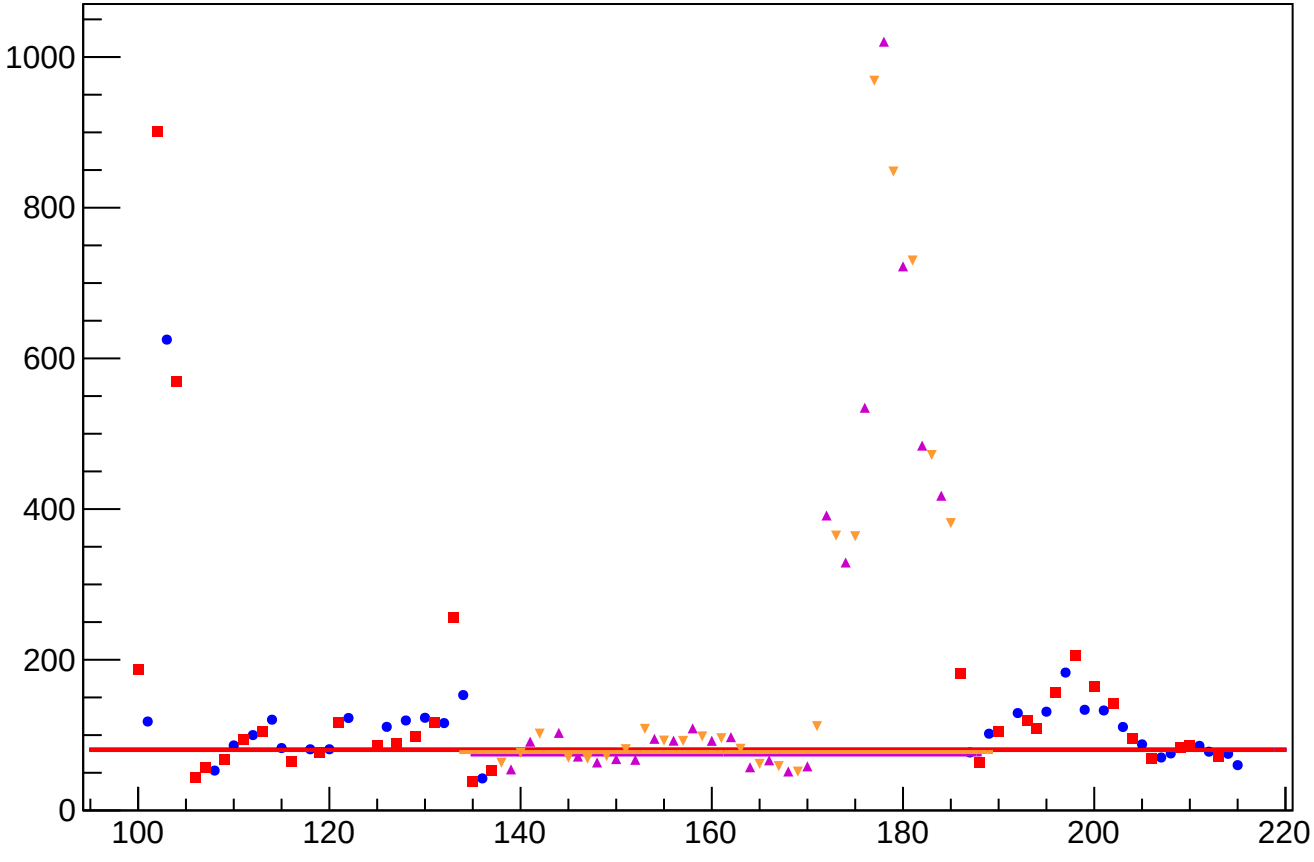
Right: -0.031+/-0.015 χ^2/NDF: 53.9/62

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/109

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.984+/-0.015 χ^2/NDF: 4834765.1/30

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.182+/-0.015 χ^2/NDF: 6080193.8/31

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

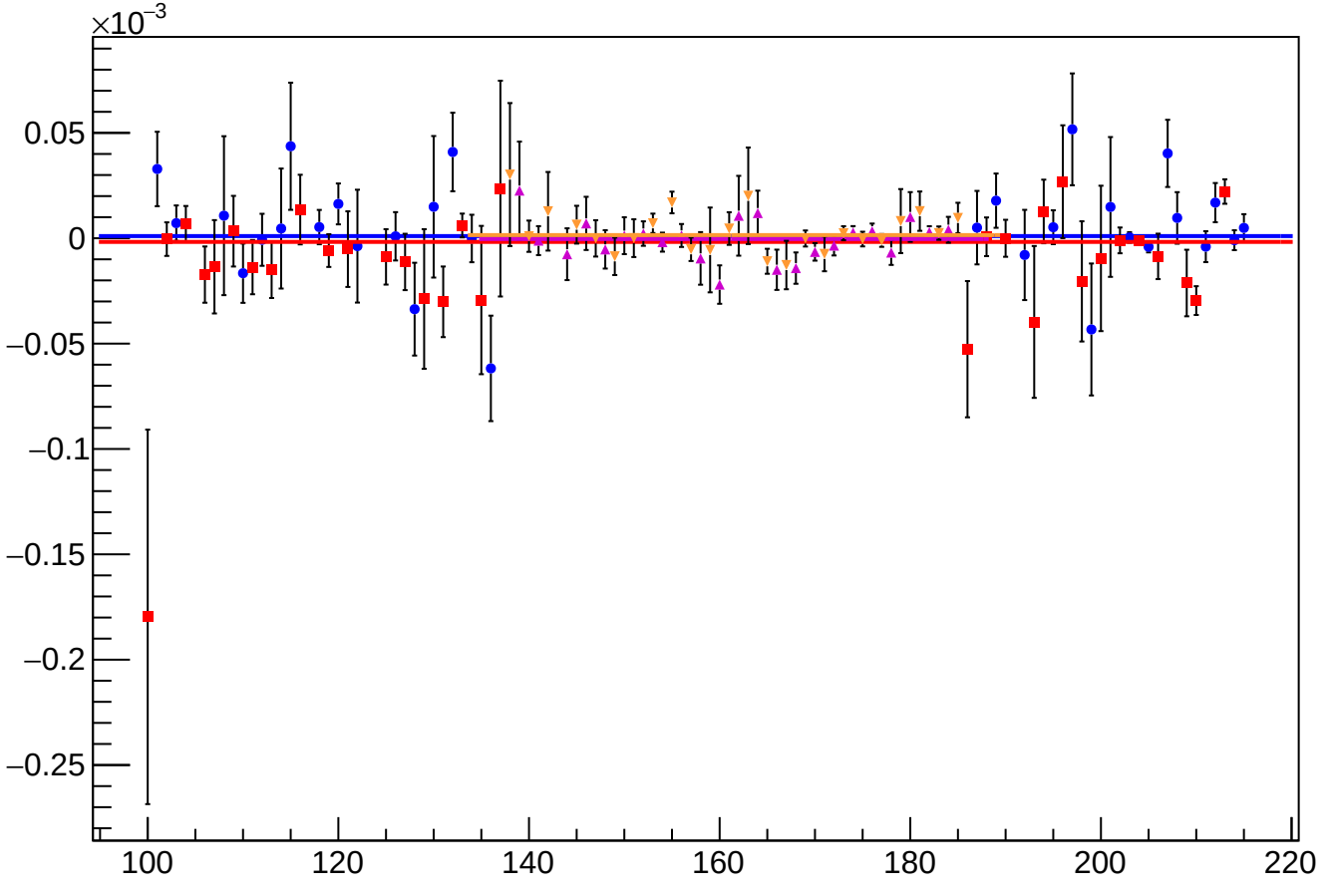
Right: 80.600+/-0.011 χ^2/NDF: 10916390.2/62

In: 77.659+/-0.010 χ^2/NDF:13453271.6/53

Out: 78.886+/-0.011 χ^2/NDF:14426059.2/55

All: 78.246+/-0.008 χ^2/NDF: 27885908.2/109

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 46.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 58.8/31

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

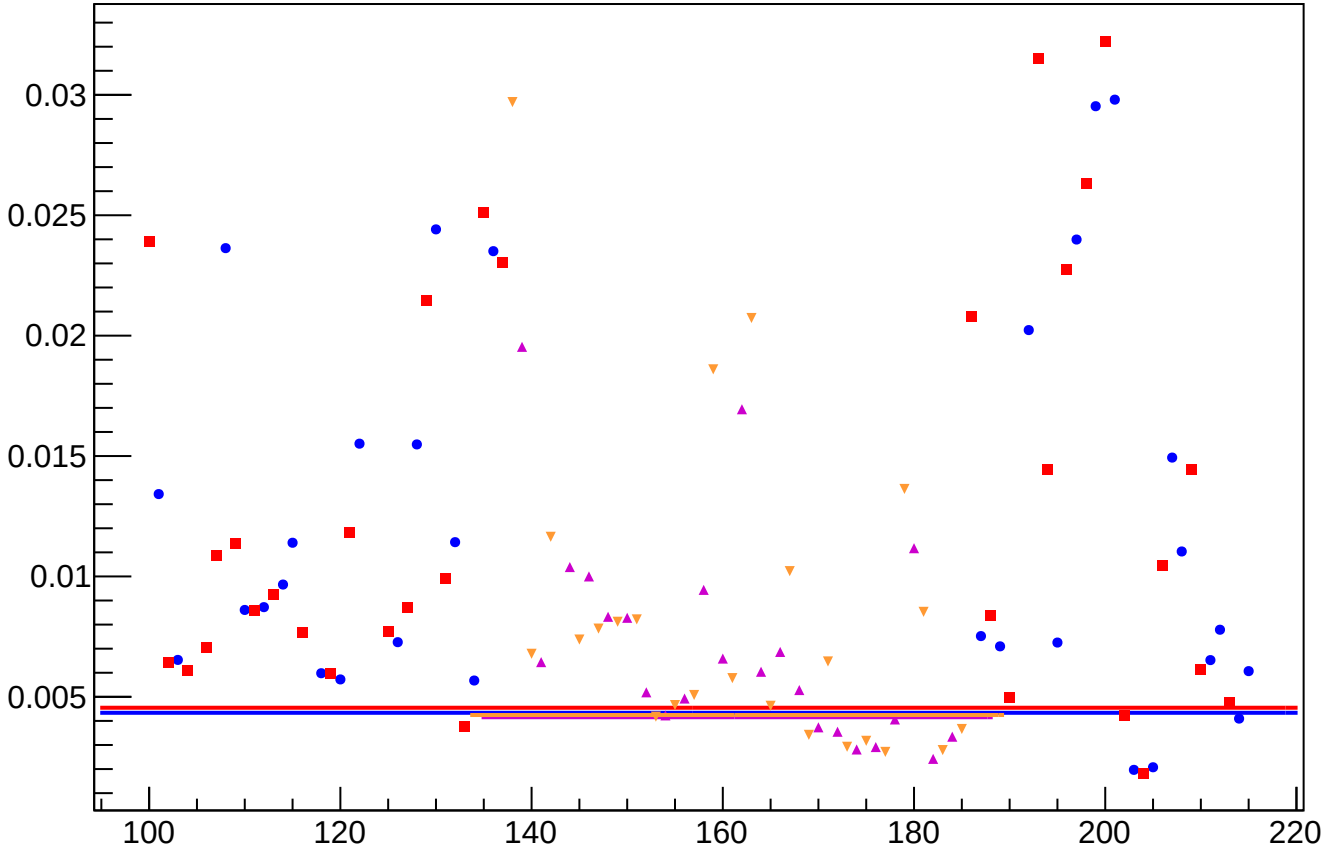
Right: -0.000+/-0.000 χ^2/NDF: 106.6/62

In: 0.000+/-0.000 χ^2/NDF:71.1/53

Out: 0.000+/-0.000 χ^2/NDF:88.9/55

All: 0.000+/-0.000 χ^2/NDF: 160.0/109

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: 15549791.9/30

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14865641.5/31

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

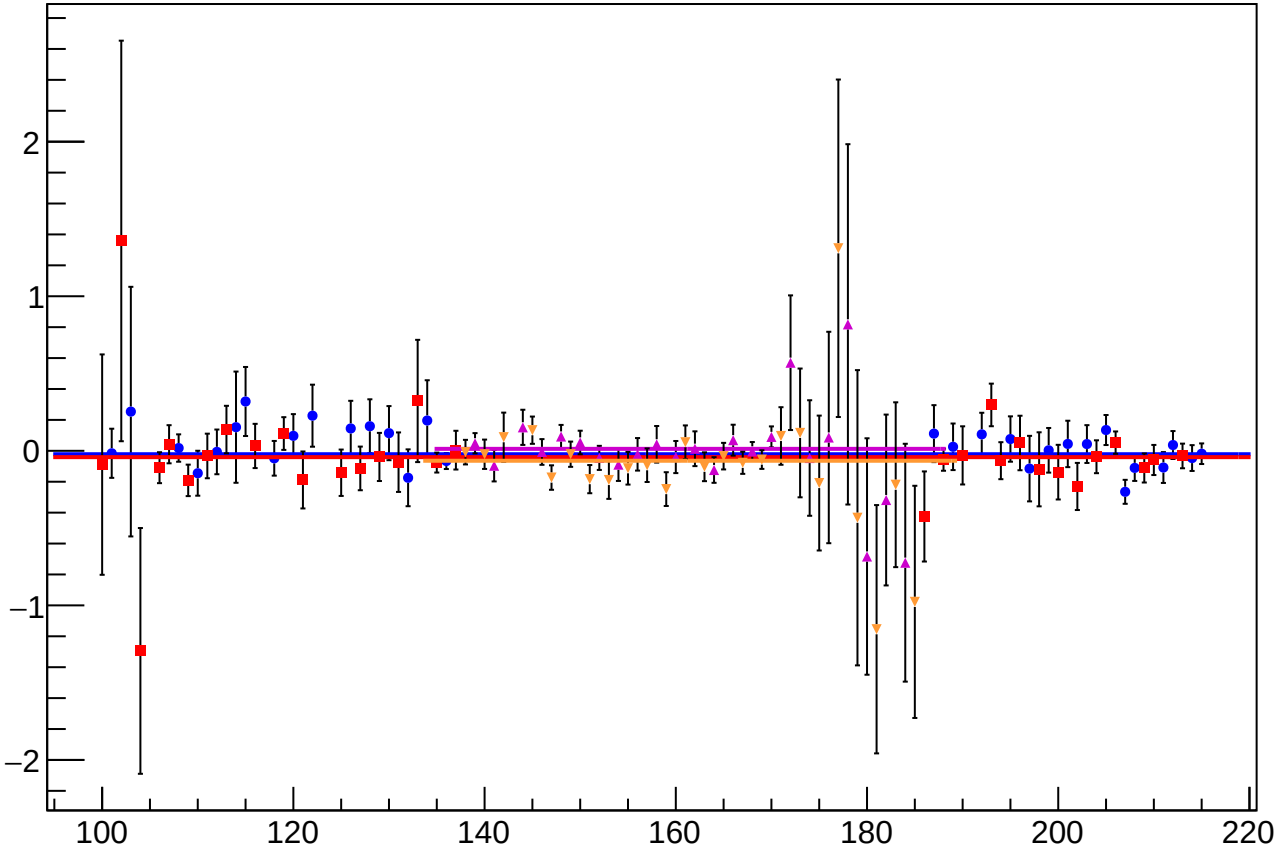
Right: 0.004+/-0.000 χ^2/NDF: 30437381.8/62

In: 0.004+/-0.000 χ^2/NDF:22456676.3/53

Out: 0.004+/-0.000 χ^2/NDF:23569648.1/55

All: 0.004+/-0.000 χ^2/NDF: 46047466.4/109

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF: 28.1/30

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.022 χ^2/NDF: 25.5/31

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

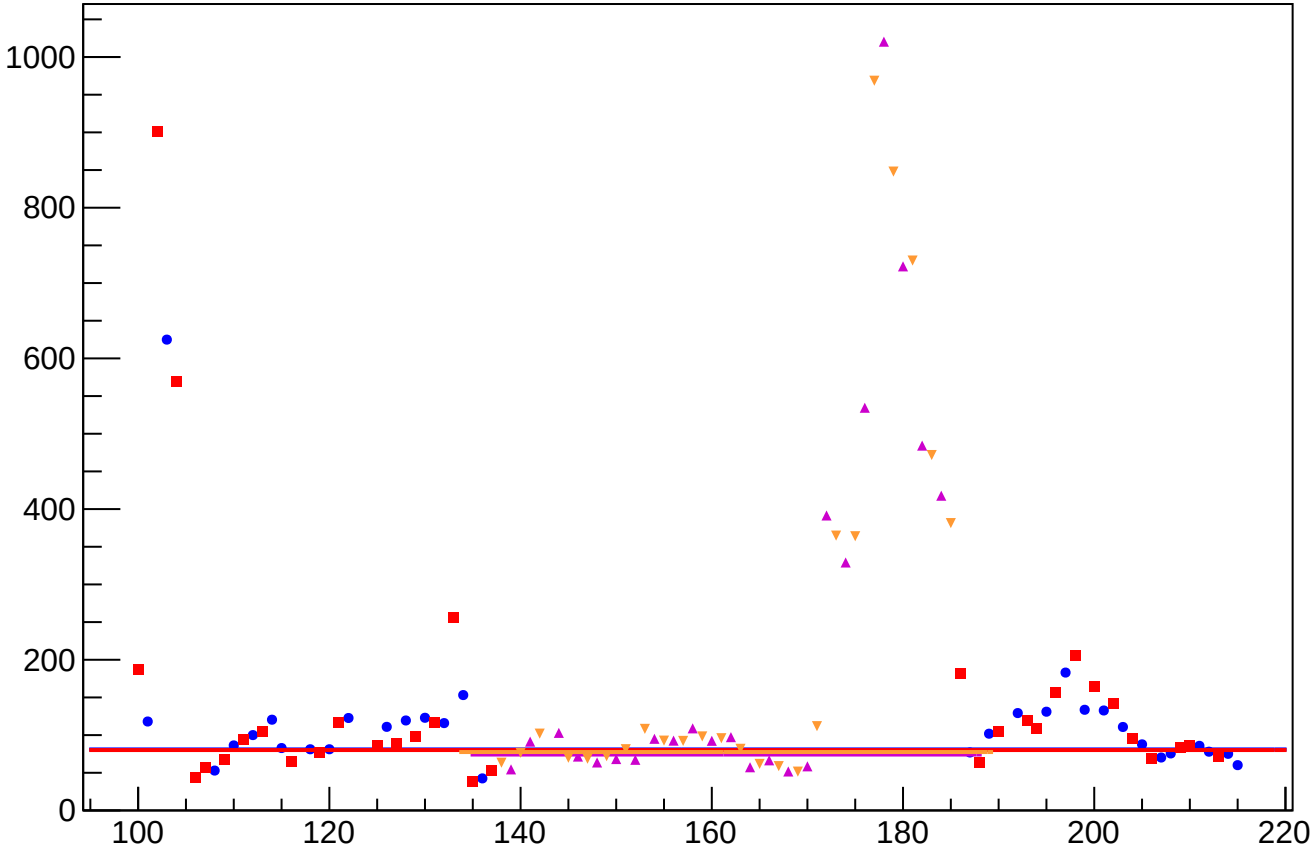
Right: -0.031+/-0.015 χ^2/NDF: 53.9/62

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/109

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.995+/-0.015 χ^2/NDF: 4831787.7/30

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.176+/-0.015 χ^2/NDF: 6081758.7/31

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

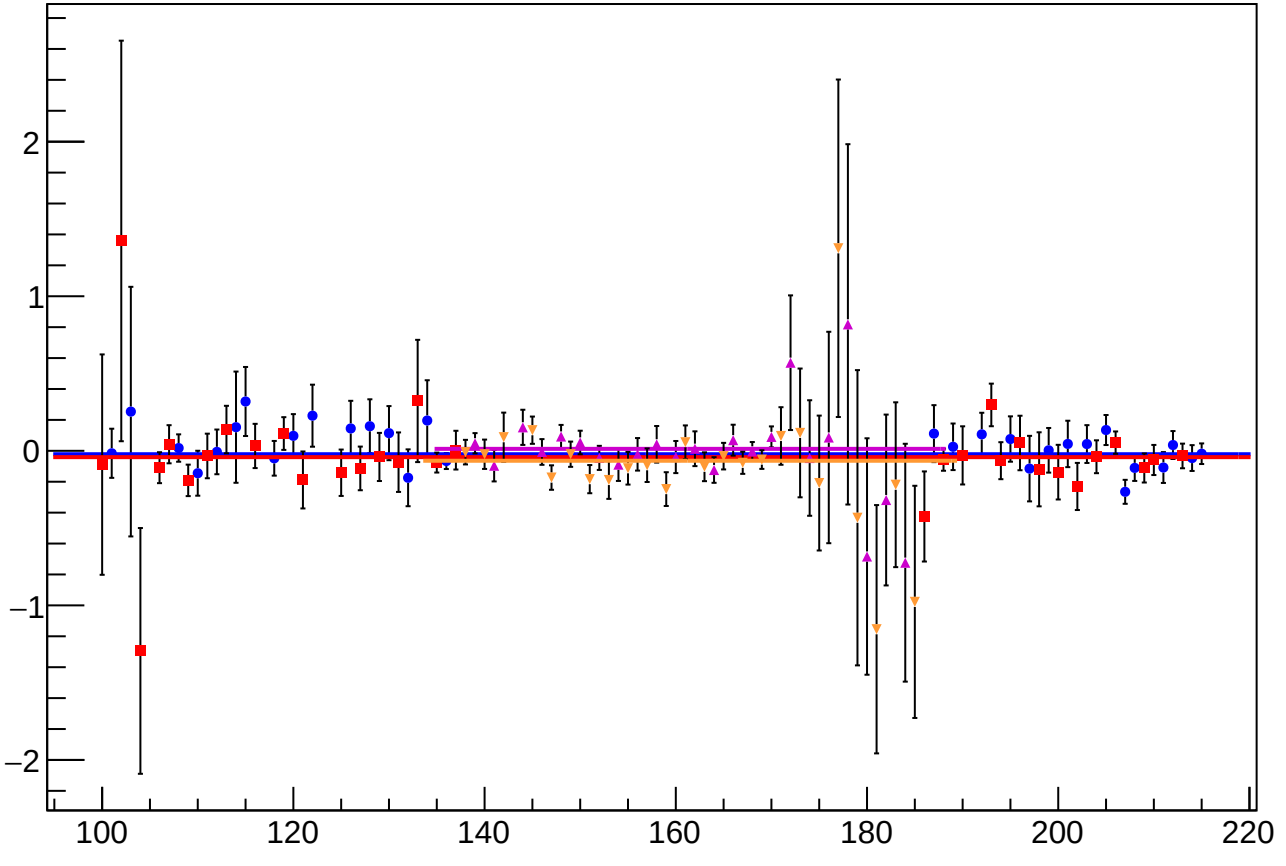
Right: 80.602+/-0.011 χ^2/NDF: 10915037.9/62

In: 77.665+/-0.010 χ^2/NDF:13450292.4/53

Out: 78.883+/-0.011 χ^2/NDF:14427476.1/55

All: 78.248+/-0.008 χ^2/NDF: 27884249.5/109

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF: 28.1/30

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.022 χ^2/NDF: 25.5/31

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

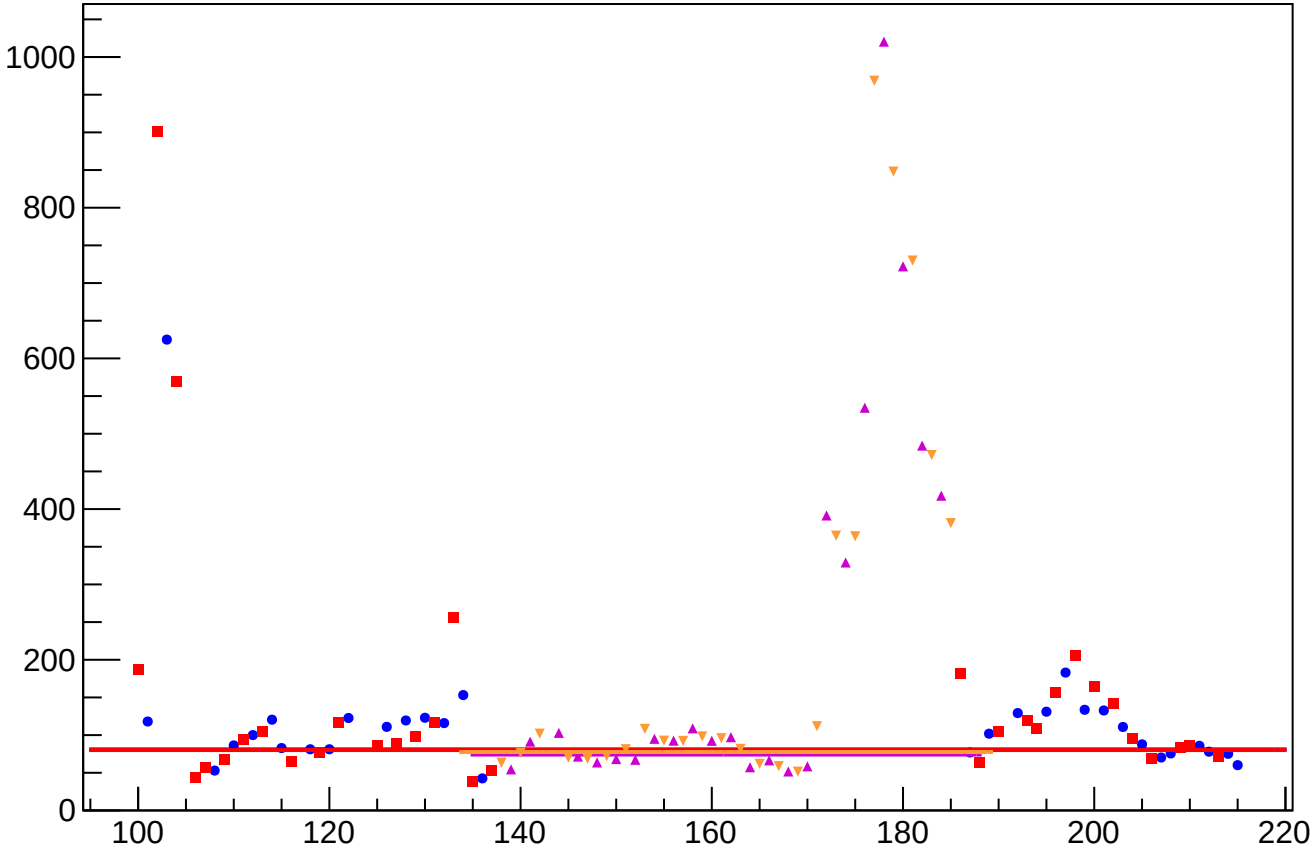
Right: -0.031+/-0.015 χ^2/NDF: 53.9/62

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.052+/-0.015 χ^2/NDF:48.4/55

All: -0.028+/-0.011 χ^2/NDF: 97.7/109

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.995+/-0.015 χ^2/NDF: 4831787.7/30

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.176+/-0.015 χ^2/NDF: 6081758.7/31

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

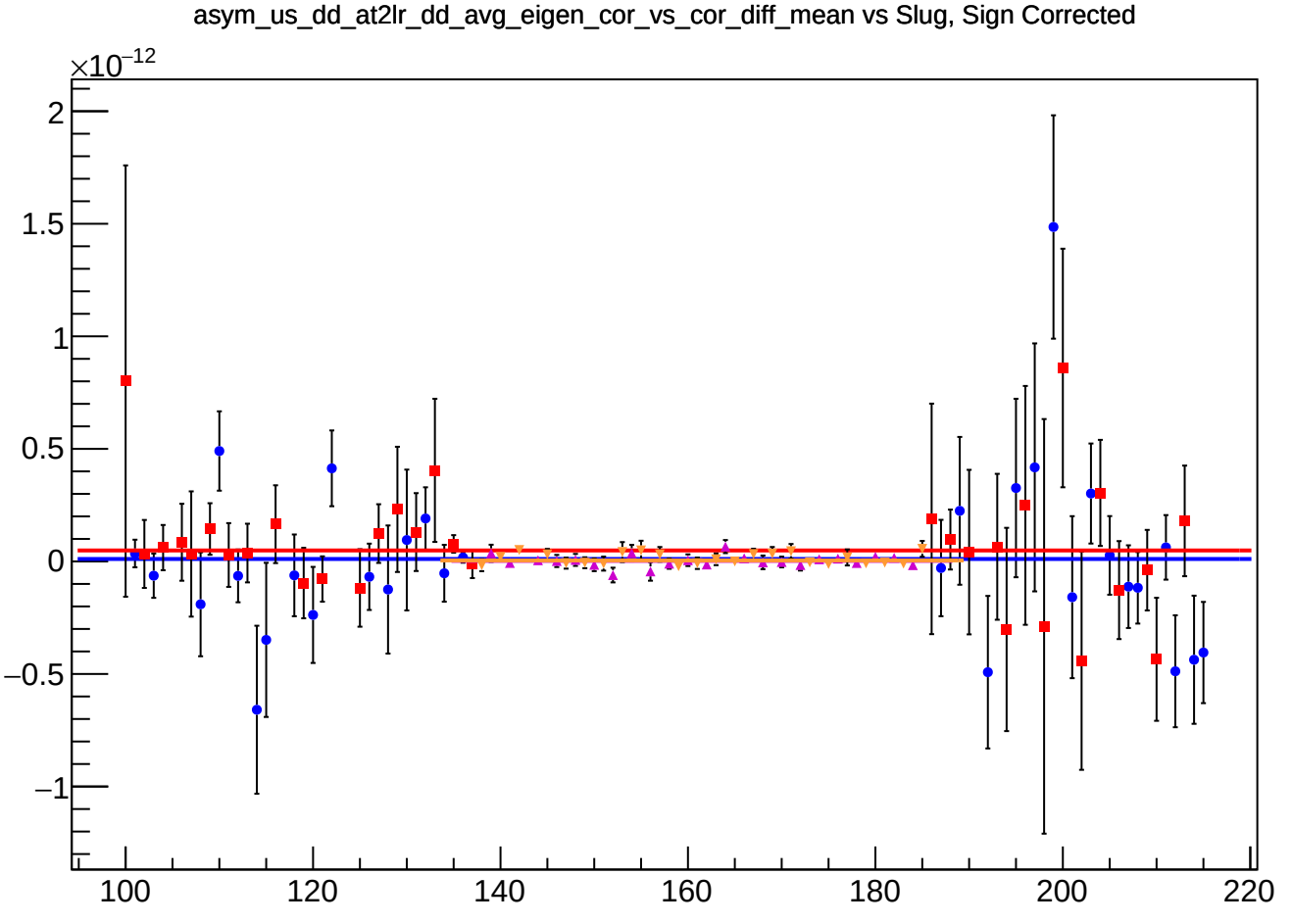
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 80.602+/-0.011 χ^2/NDF: 10915037.9/62

In: 77.665+/-0.010 χ^2/NDF:13450292.4/53

Out: 78.883+/-0.011 χ^2/NDF:14427476.1/55

All: 78.248+/-0.008 χ^2/NDF: 27884249.5/109



Right In: 0.000+/-0.000 χ^2/NDF: 49.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/31

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

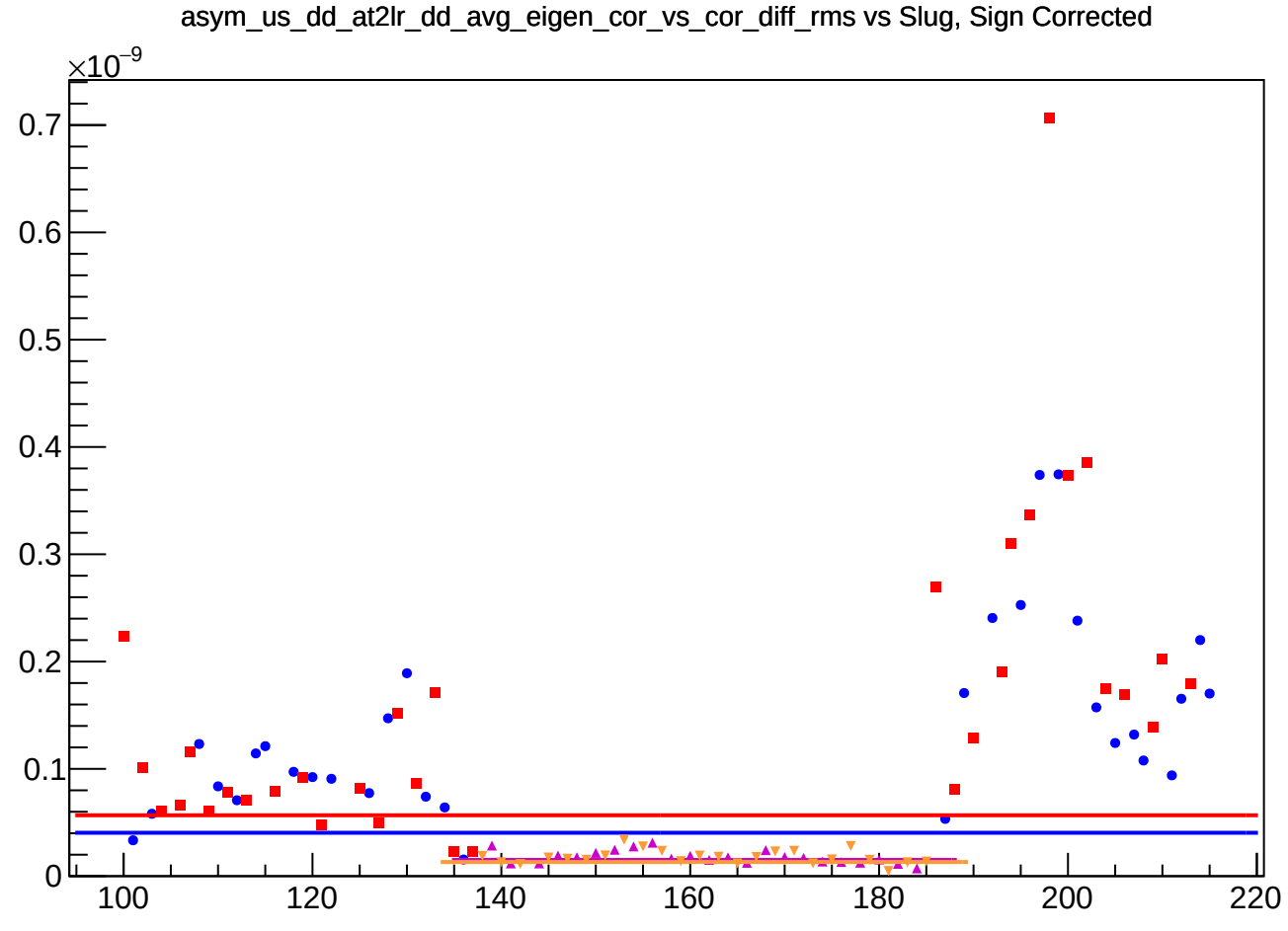
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

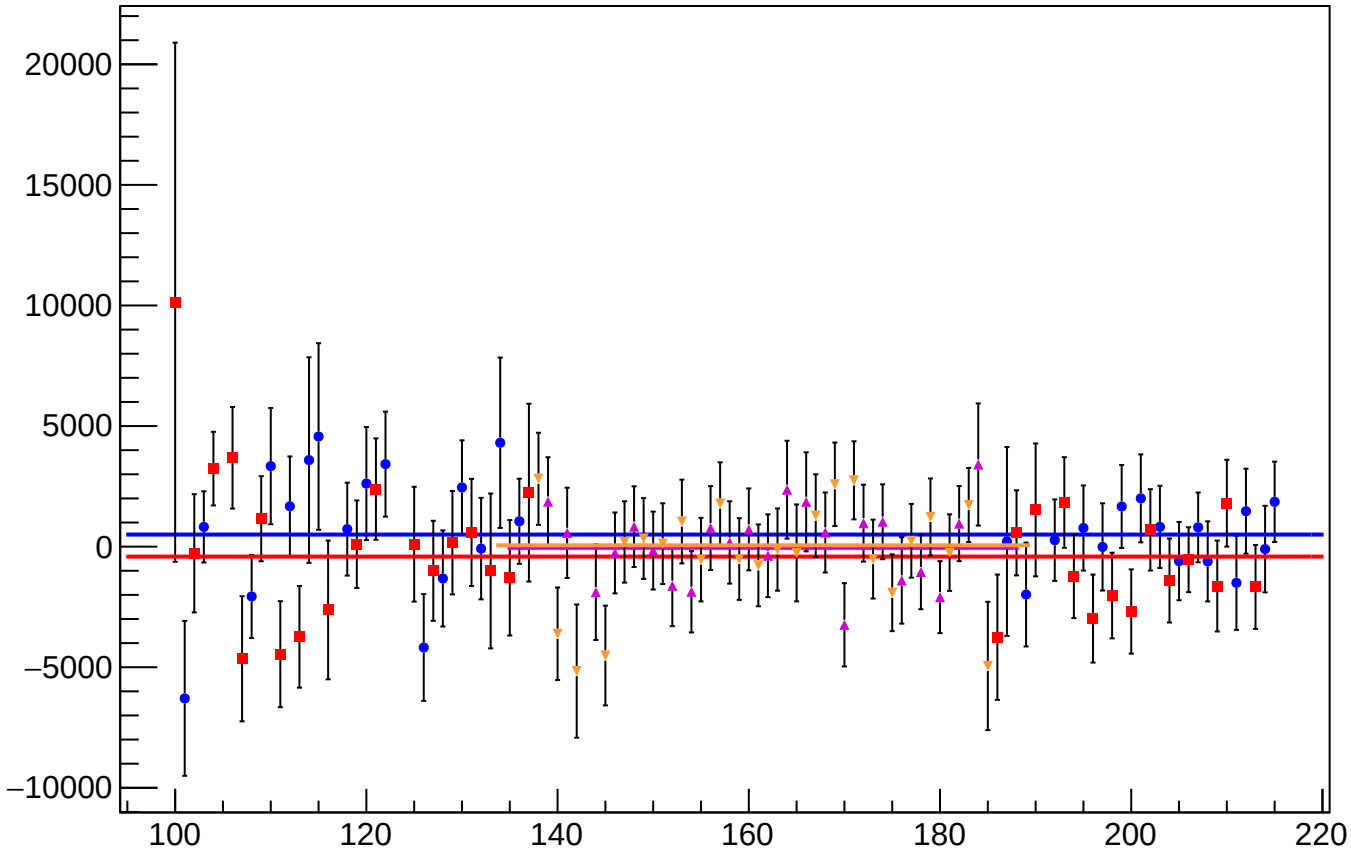
Right: 0.000+/-0.000 χ^2/NDF: 69.9/62

In: 0.000+/-0.000 χ^2/NDF:66.9/53

Out: 0.000+/-0.000 χ^2/NDF:44.1/55

All: 0.000+/-0.000 χ^2/NDF: 111.3/109


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: 12634810.4/30
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 10457380.4/31
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
Left: 0.000+/-0.000 χ²/NDF: 6568948.9/46
Right: 0.000+/-0.000 χ²/NDF: 23691057.5/62
In: 0.000+/-0.000 χ²/NDF:18344811.2/53
Out: 0.000+/-0.000 χ²/NDF:21374026.6/55
All: 0.000+/-0.000 χ²/NDF: 39926576.2/109



Right In: 500.865+/-350.376 χ^2/NDF: 26.1/30

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -412.743+/-356.308 χ^2/NDF: 35.2/31

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

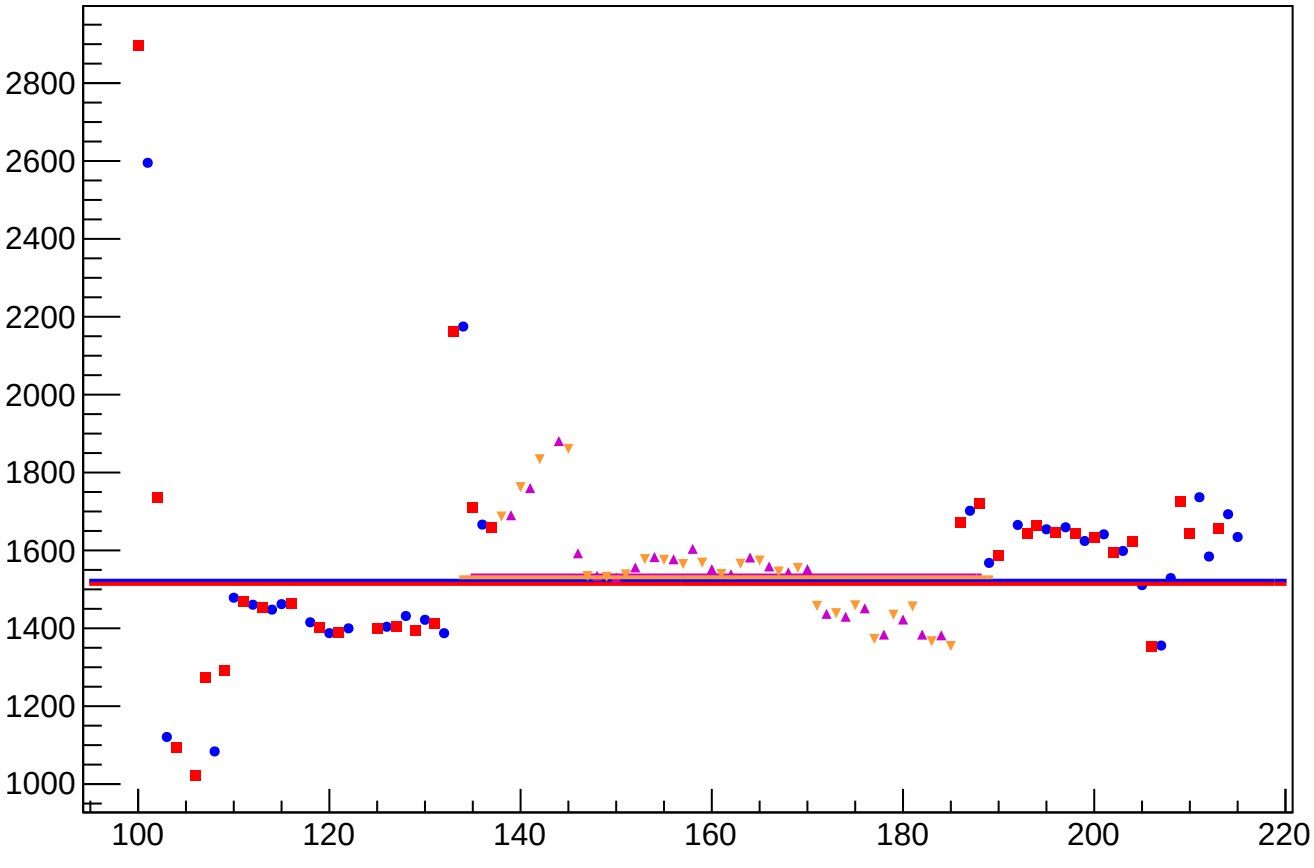
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 51.729+/-249.824 χ^2/NDF: 64.6/62

In: 233.423+/-250.927 χ^2/NDF:44.0/53

Out: -179.030+/-251.971 χ^2/NDF:64.5/55

All: 28.053+/-177.800 χ^2/NDF: 109.9/109



Right In: 1522.104+/-0.248 χ^2/NDF: 770636.2/30

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1514.088+/-0.252 χ^2/NDF: 677028.1/31

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

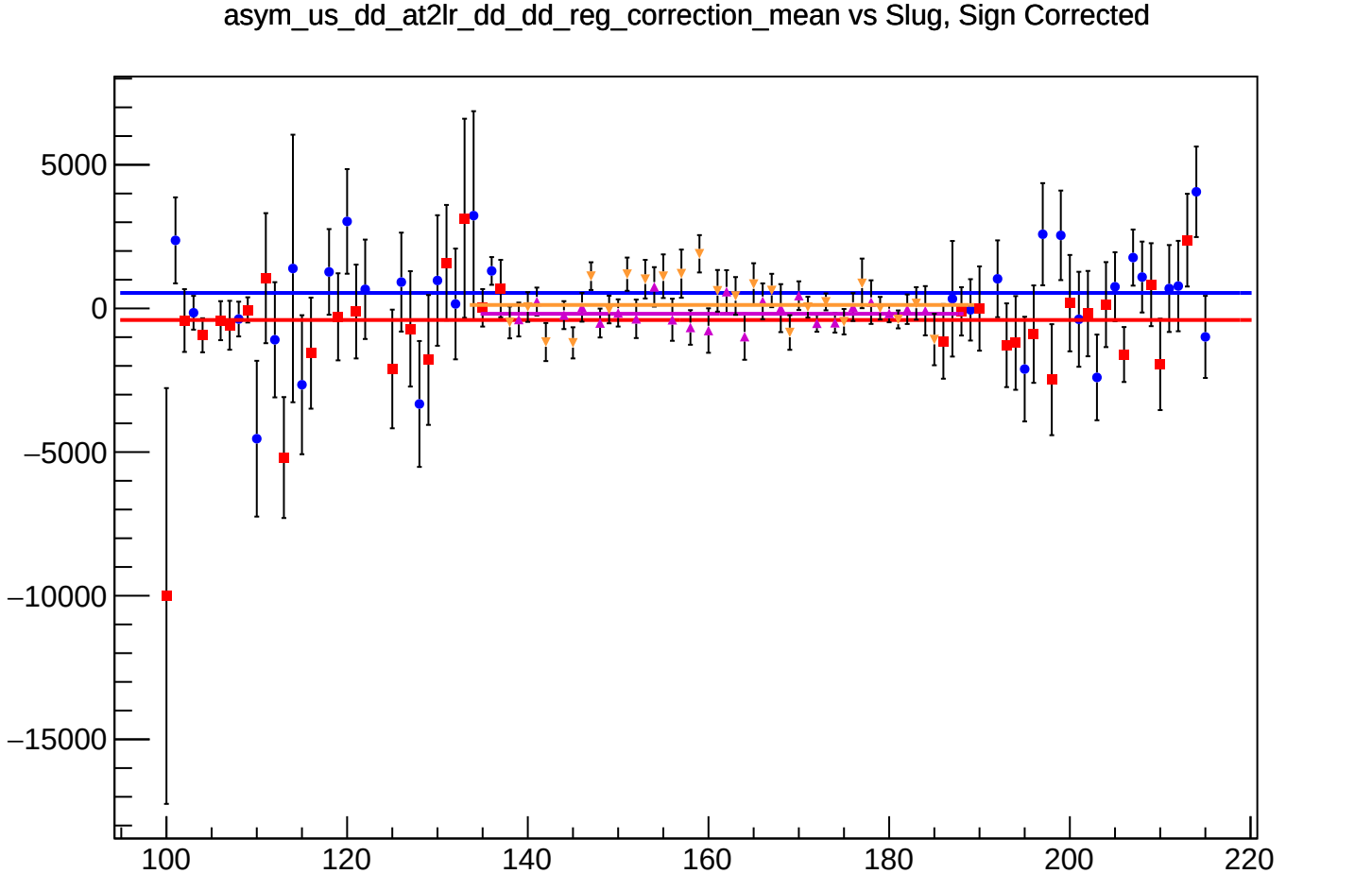
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1518.163+/-0.177 χ^2/NDF: 1448178.9/62

In: 1528.654+/-0.177 χ^2/NDF:964503.8/53

Out: 1522.530+/-0.178 χ^2/NDF:882813.9/55

All: 1525.605+/-0.126 χ^2/NDF: 1847910.7/10



Right In: 539.757+/-219.300 χ^2/NDF: 37.2/30

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -402.423+/-196.666 χ^2/NDF: 22.8/31

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

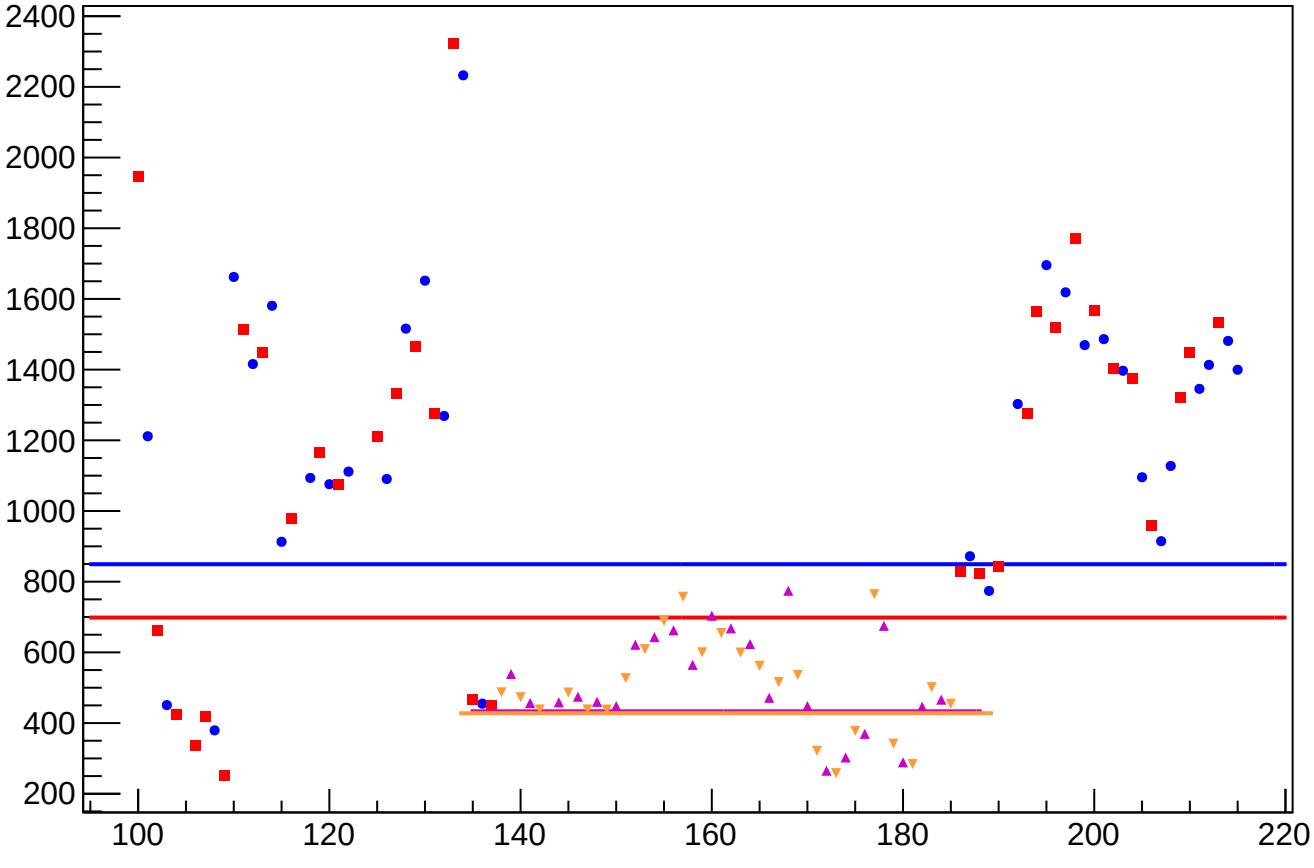
Right: 17.551+/-146.414 χ^2/NDF: 70.3/62

In: -47.168+/-96.146 χ^2/NDF:57.7/53

Out: 5.046+/-92.666 χ^2/NDF:72.0/55

All: -20.099+/-66.721 χ^2/NDF: 129.8/109

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 849.436+/-0.155 χ^2/NDF: 8171713.4/30

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 698.497+/-0.139 χ^2/NDF: 10697794.1/31

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

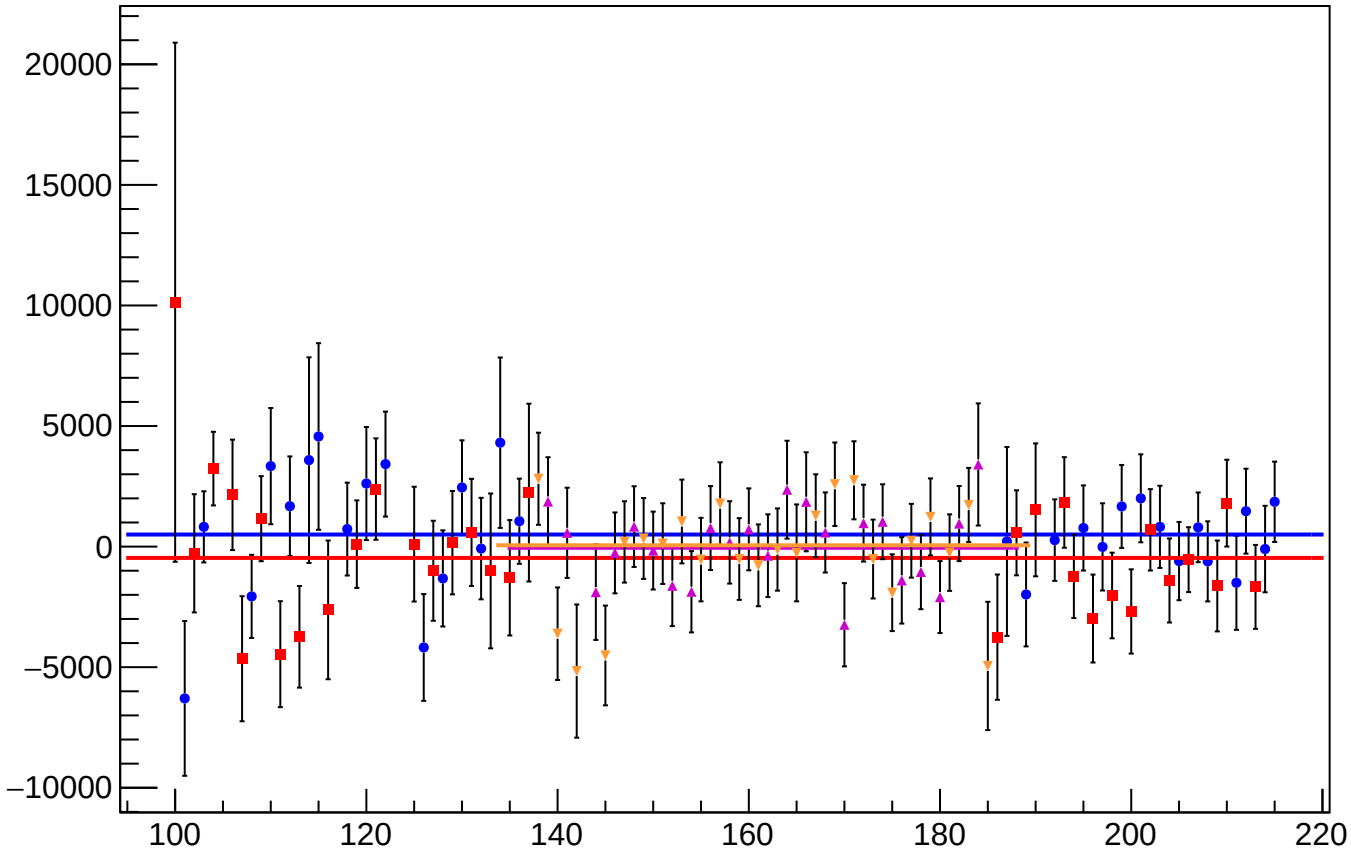
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 765.778+/-0.104 χ^2/NDF: 19394627.0/62

In: 513.274+/-0.068 χ^2/NDF:17237421.8/53

Out: 487.910+/-0.066 χ^2/NDF:16833521.4/55

All: 500.125+/-0.047 χ^2/NDF: 34143097.5/10



Right In: 500.893+/-350.376 χ^2/NDF: 26.1/30

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -468.469+/-357.100 χ^2/NDF: 32.6/31

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

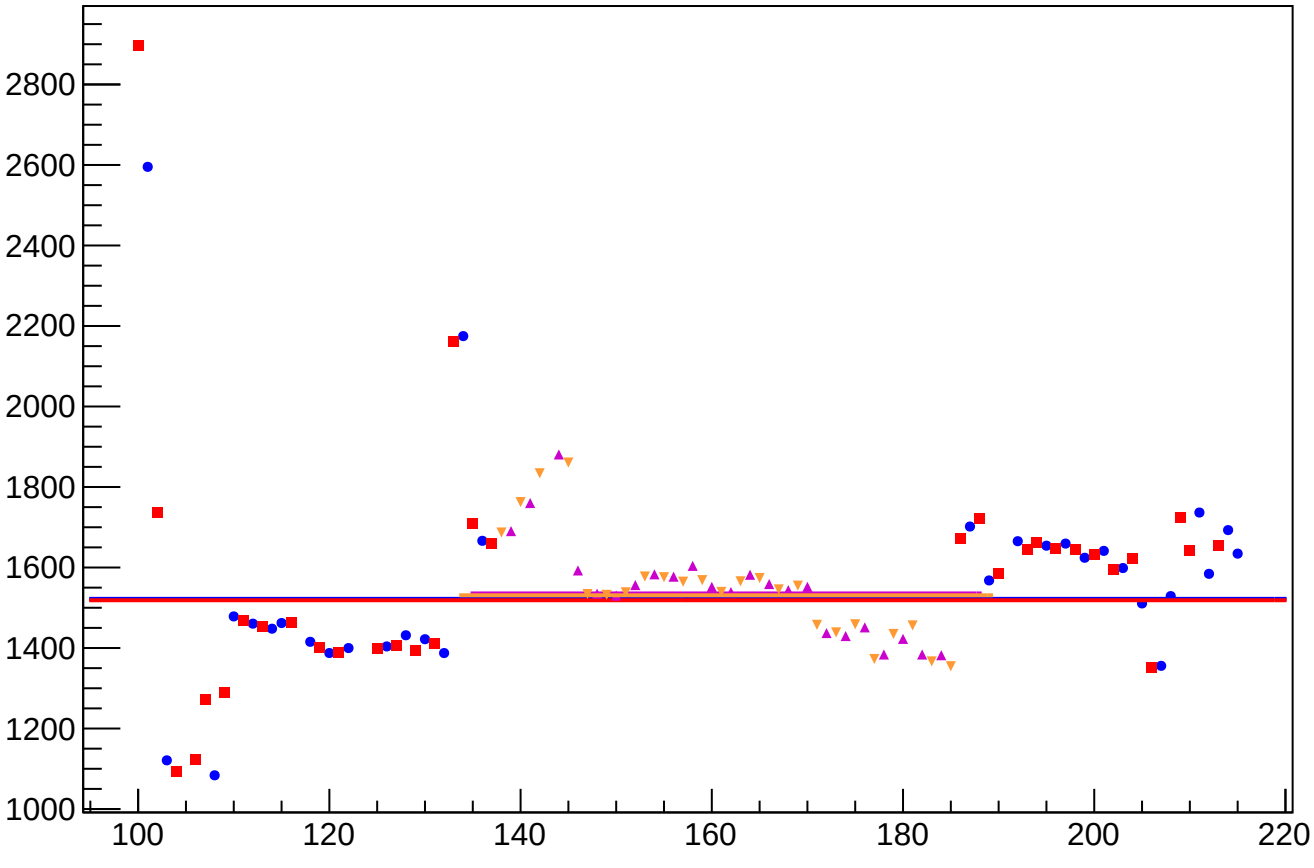
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 25.424+/-250.097 χ^2/NDF: 62.5/62

In: 233.399+/-250.927 χ^2/NDF:44.0/53

Out: -206.336+/-252.251 χ^2/NDF:62.2/55

All: 14.689+/-177.899 χ^2/NDF: 107.7/109



Right In: 1522.104+/-0.248 χ^2/NDF: 770636.5/30

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1518.687+/-0.253 χ^2/NDF: 626428.3/31

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

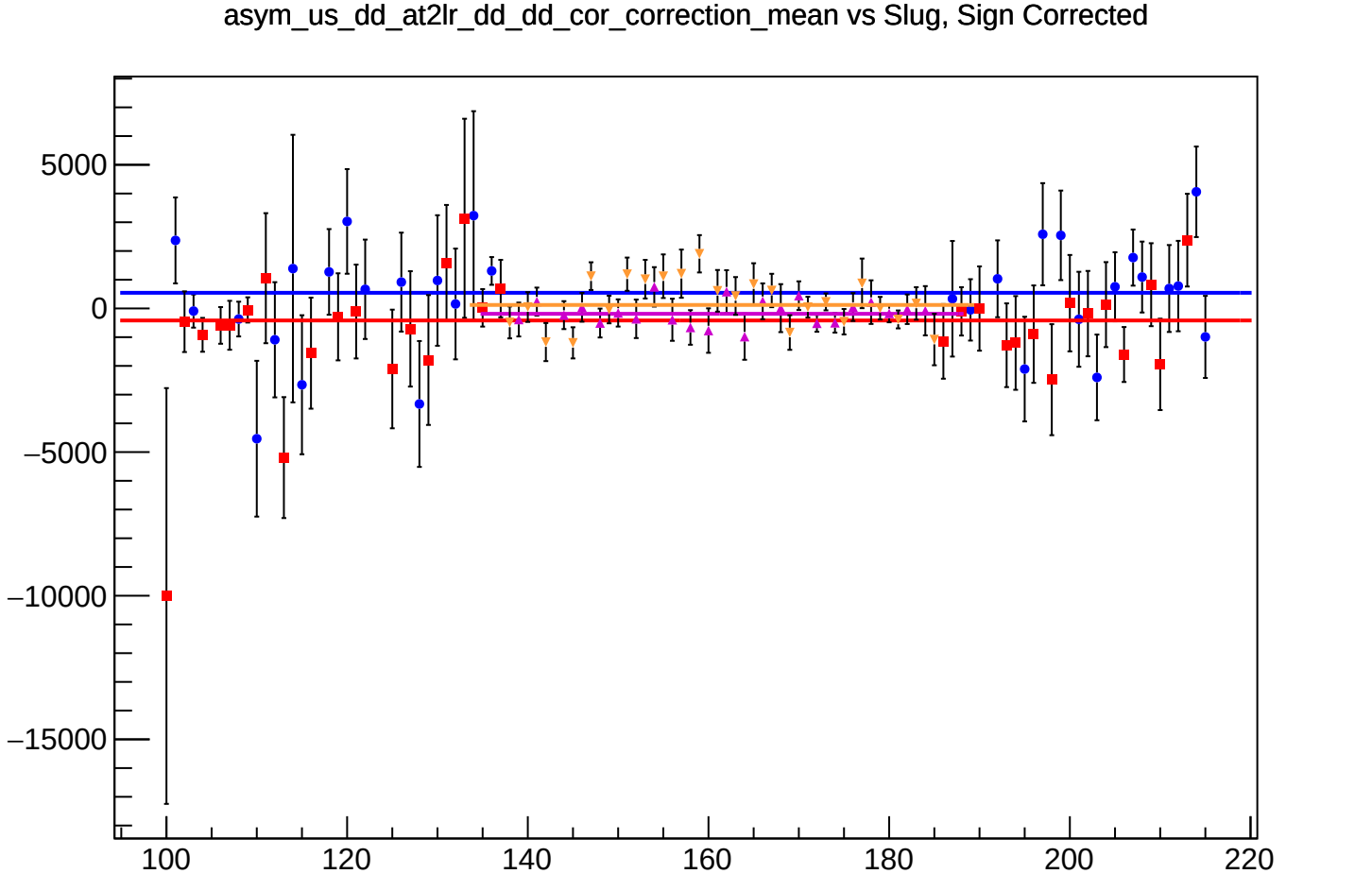
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1520.428+/-0.177 χ^2/NDF: 1397158.1/62

In: 1528.654+/-0.177 χ^2/NDF:964504.2/53

Out: 1524.844+/-0.178 χ^2/NDF:831154.8/55

All: 1526.759+/-0.126 χ^2/NDF: 1795888.3/10



Right In: 544.687+/-218.706 χ^2/NDF: 37.0/30

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -418.686+/-195.235 χ^2/NDF: 22.9/31

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

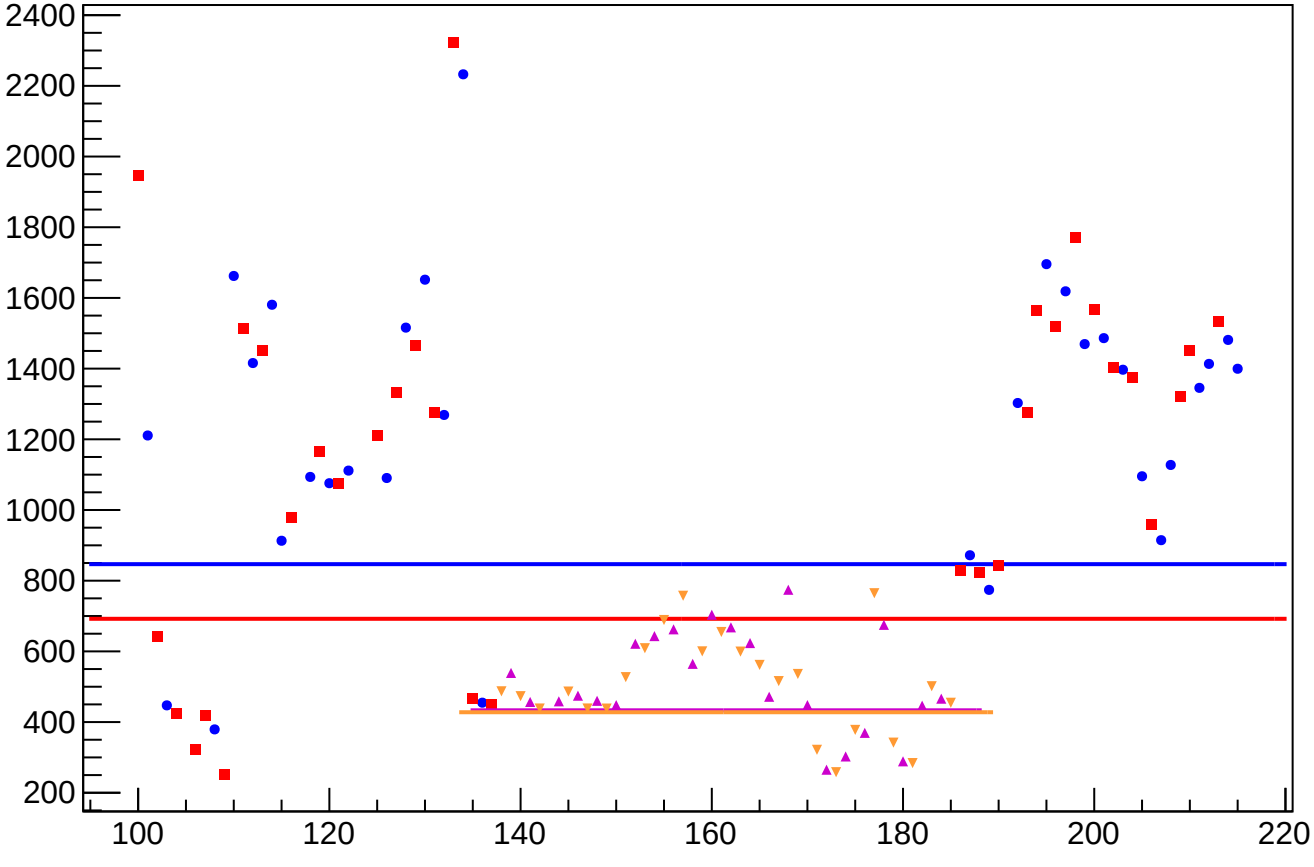
Right: 8.551+/-145.646 χ^2/NDF: 70.7/62

In: -45.772+/-96.096 χ^2/NDF:57.7/53

Out: 0.066+/-92.516 χ^2/NDF:72.5/55

All: -21.983+/-66.648 χ^2/NDF: 130.2/109

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 846.767+/-0.155 χ^2/NDF: 8224113.9/30

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 692.168+/-0.138 χ^2/NDF: 10826768.5/31

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

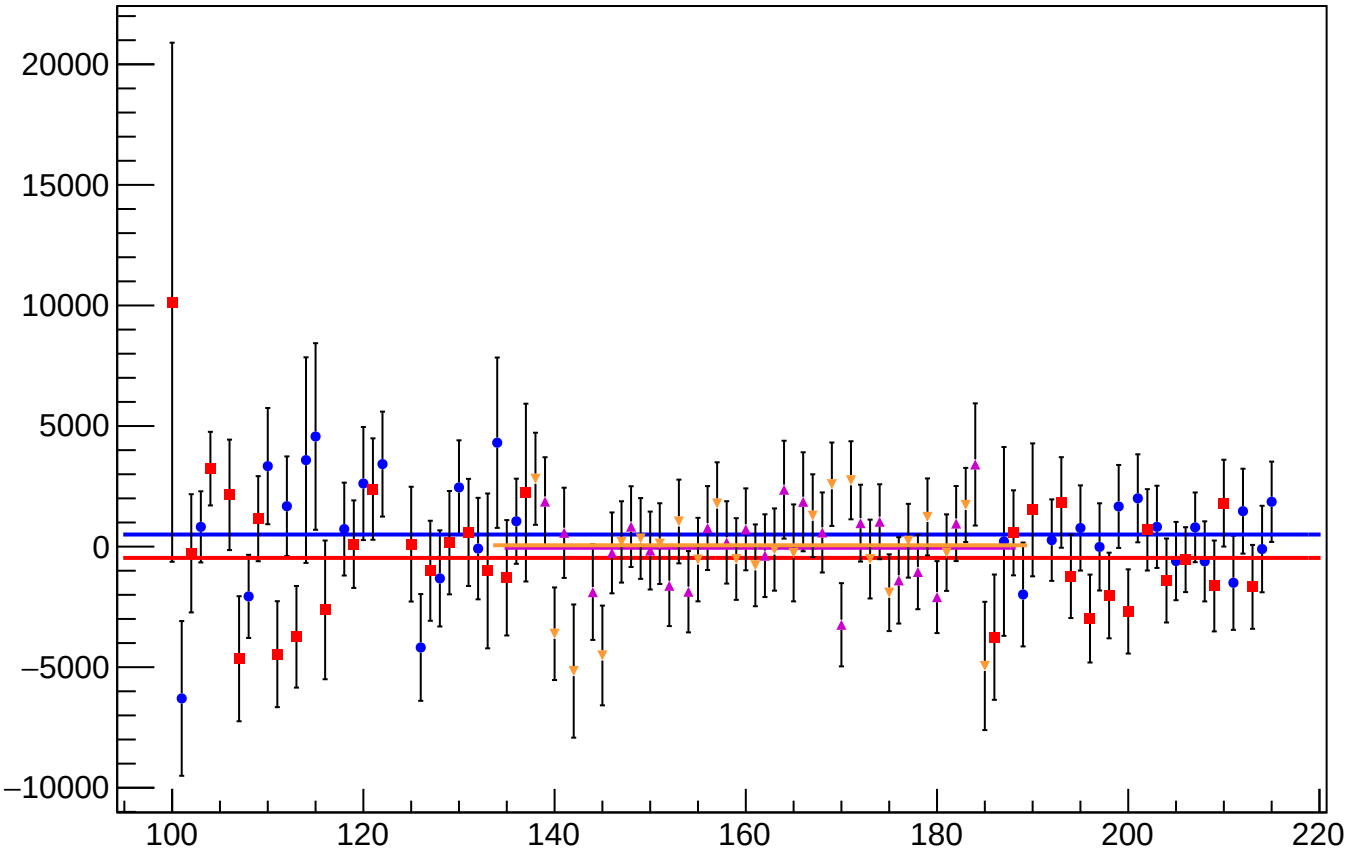
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 760.730+/-0.103 χ^2/NDF: 19607039.8/62

In: 513.111+/-0.068 χ^2/NDF:17240473.3/53

Out: 487.175+/-0.065 χ^2/NDF:16858575.1/55

All: 499.651+/-0.047 χ^2/NDF: 34174657.0/10



Right In: 500.893+/-350.376 χ^2/NDF: 26.1/30

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -468.469+/-357.100 χ^2/NDF: 32.6/31

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

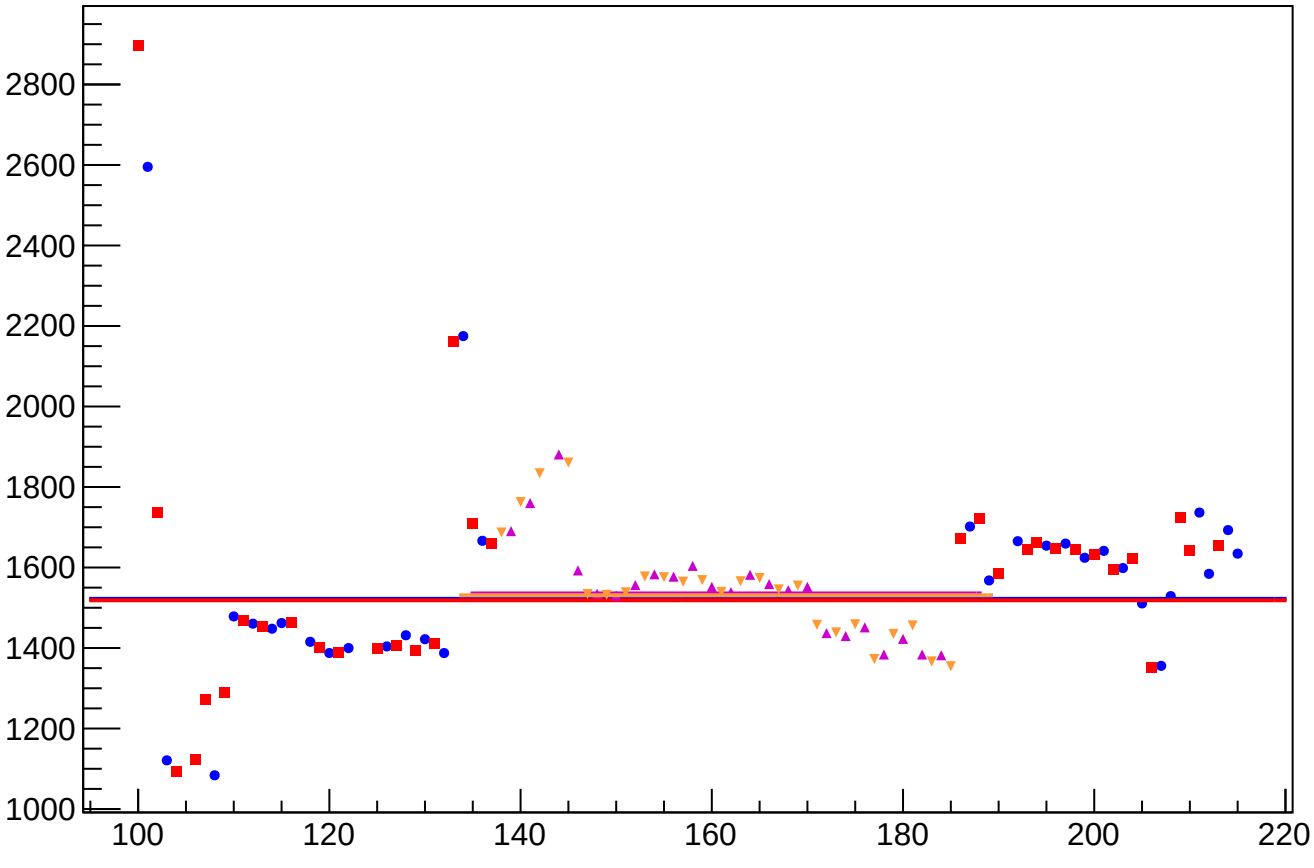
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 25.424+/-250.097 χ^2/NDF: 62.5/62

In: 233.399+/-250.927 χ^2/NDF:44.0/53

Out: -206.336+/-252.251 χ^2/NDF:62.2/55

All: 14.689+/-177.899 χ^2/NDF: 107.7/109



Right In: 1522.104+/-0.248 χ^2/NDF: 770636.5/30

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1518.687+/-0.253 χ^2/NDF: 626428.3/31

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

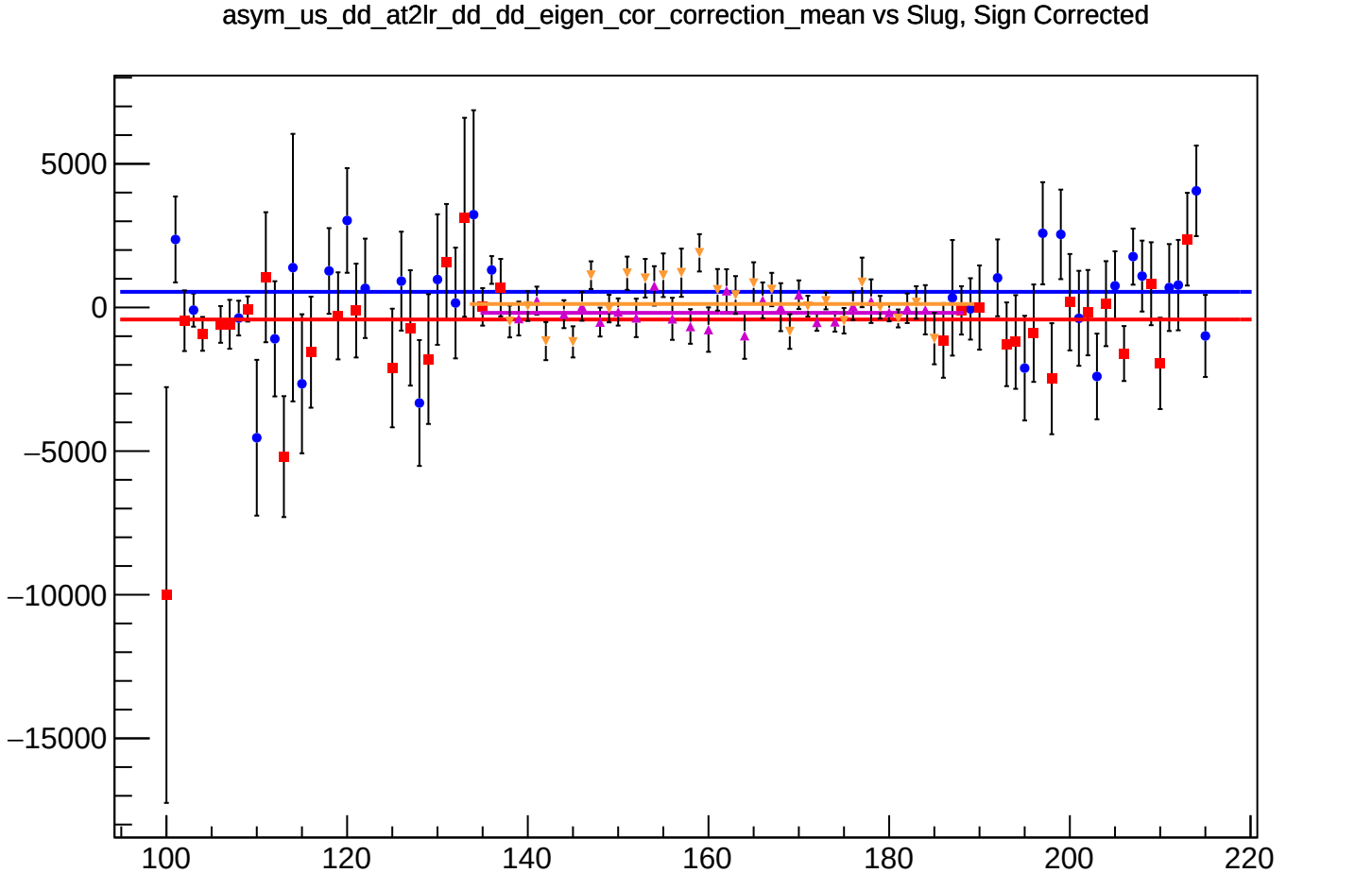
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1520.428+/-0.177 χ^2/NDF: 1397158.1/62

In: 1528.654+/-0.177 χ^2/NDF:964504.2/53

Out: 1524.844+/-0.178 χ^2/NDF:831154.8/55

All: 1526.759+/-0.126 χ^2/NDF: 1795888.3/10



Right In: 544.687+/-218.706 χ^2/NDF: 37.0/30

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -418.686+/-195.235 χ^2/NDF: 22.9/31

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

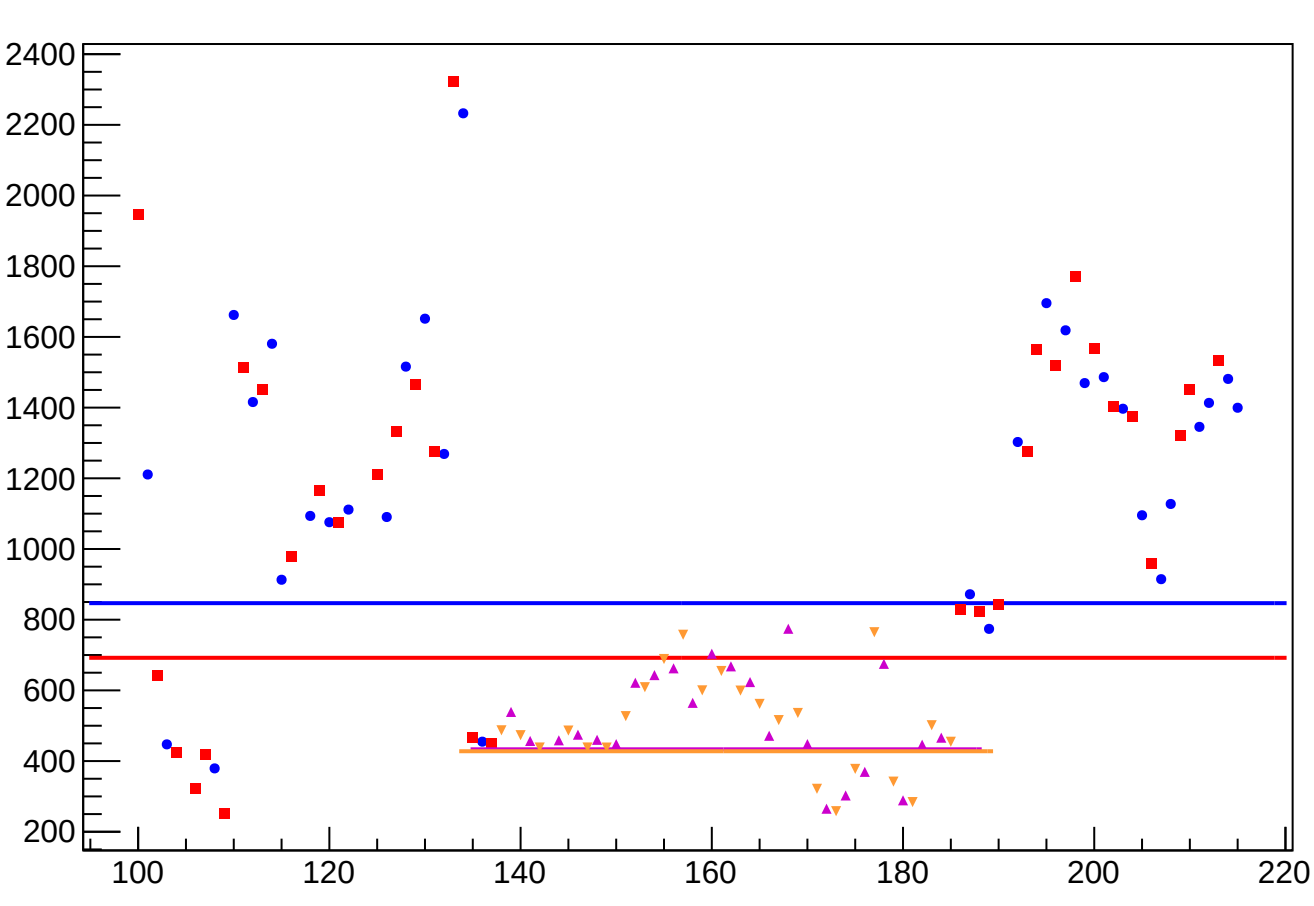
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: 8.551+/-145.646 χ^2/NDF: 70.7/62

In: -45.772+/-96.096 χ^2/NDF:57.7/53

Out: 0.066+/-92.516 χ^2/NDF:72.5/55

All: -21.983+/-66.648 χ^2/NDF: 130.2/109



Right In: 846.767+/-0.155 χ^2/NDF: 8224113.9/30

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 692.168+/-0.138 χ^2/NDF: 10826768.5/31

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

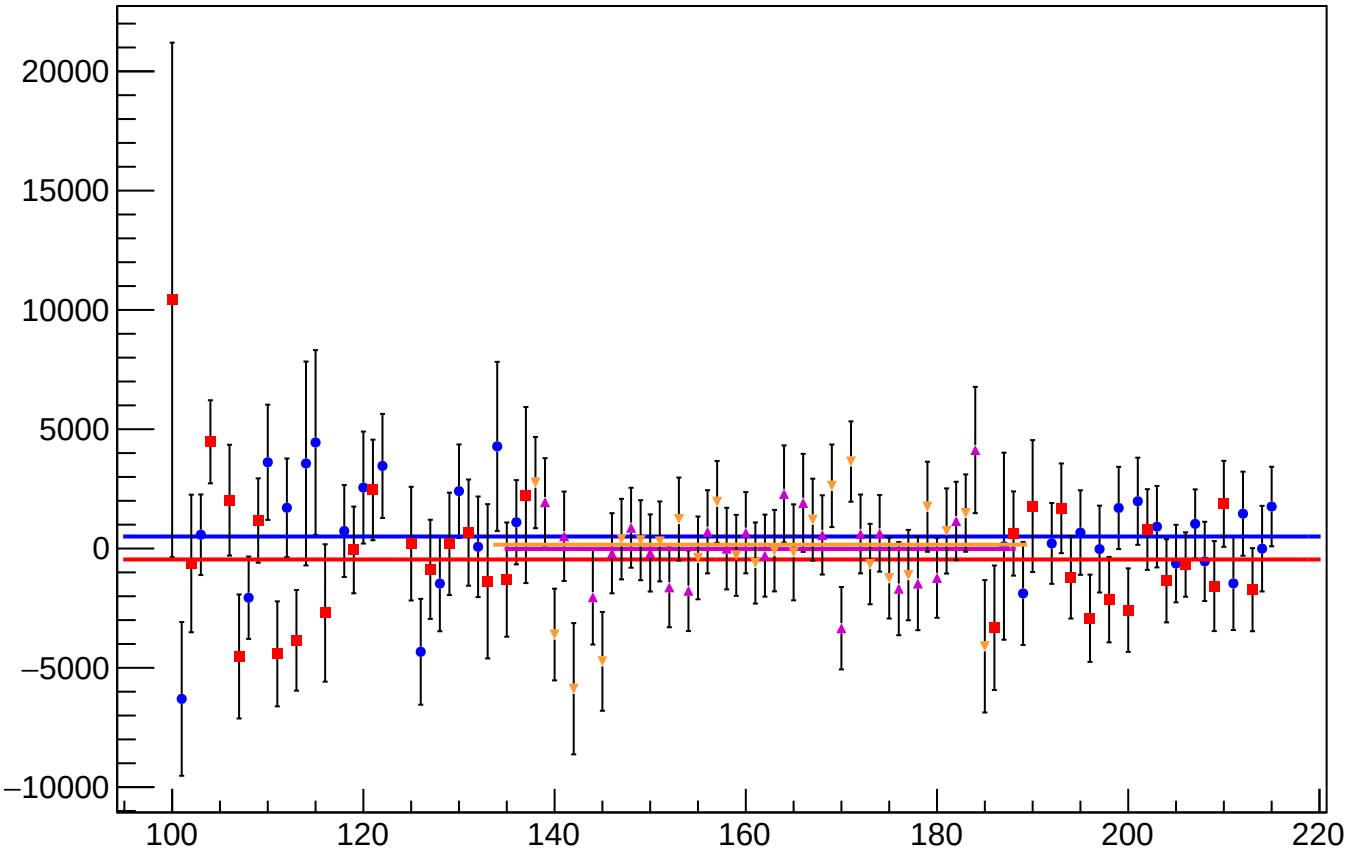
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 760.730+/-0.103 χ^2/NDF: 19607039.8/62

In: 513.111+/-0.068 χ^2/NDF:17240473.3/53

Out: 487.175+/-0.065 χ^2/NDF:16858575.1/55

All: 499.651+/-0.047 χ^2/NDF: 34174657.0/10



Right In: 503.610+/-353.263 χ^2/NDF: 26.3/30

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -458.436+/-361.265 χ^2/NDF: 34.4/31

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

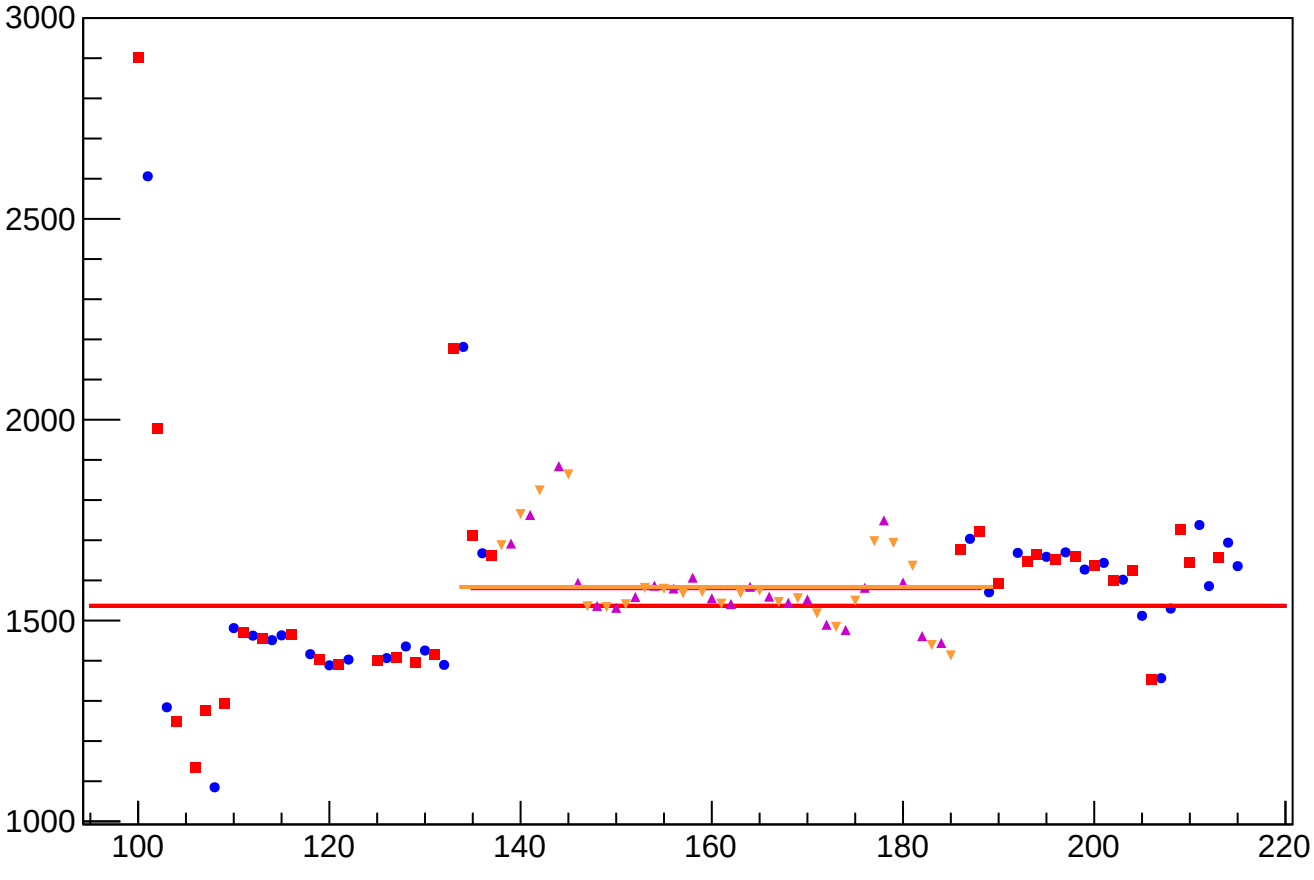
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 33.359+/-252.577 χ^2/NDF: 64.3/62

In: 253.640+/-255.435 χ^2/NDF:43.4/53

Out: -154.456+/-257.927 χ^2/NDF:65.7/55

All: 51.573+/-181.494 χ^2/NDF: 110.3/109



Right In: 1536.841+/-0.250 χ^2/NDF: 664101.0/30

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1536.401+/-0.255 χ^2/NDF: 550744.3/31

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

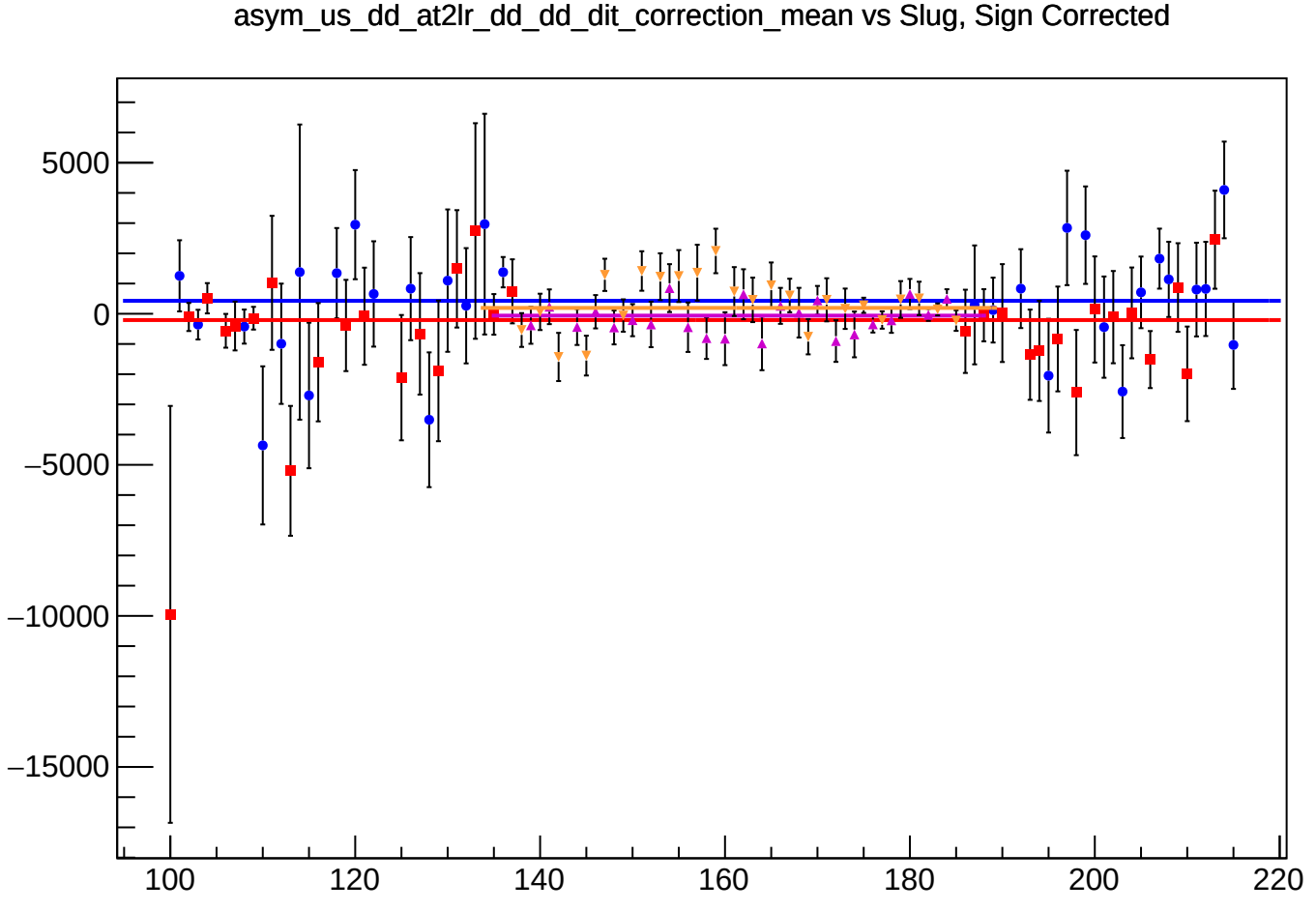
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1536.626+/-0.179 χ^2/NDF: 1214846.9/62

In: 1557.656+/-0.181 χ^2/NDF:804399.5/53

Out: 1559.577+/-0.182 χ^2/NDF:701116.7/55

All: 1558.607+/-0.128 χ^2/NDF: 1505572.1/10



Right In: 428.832+/-212.093 χ^2/NDF: 38.8/30

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -208.353+/-173.426 χ^2/NDF: 23.7/31

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

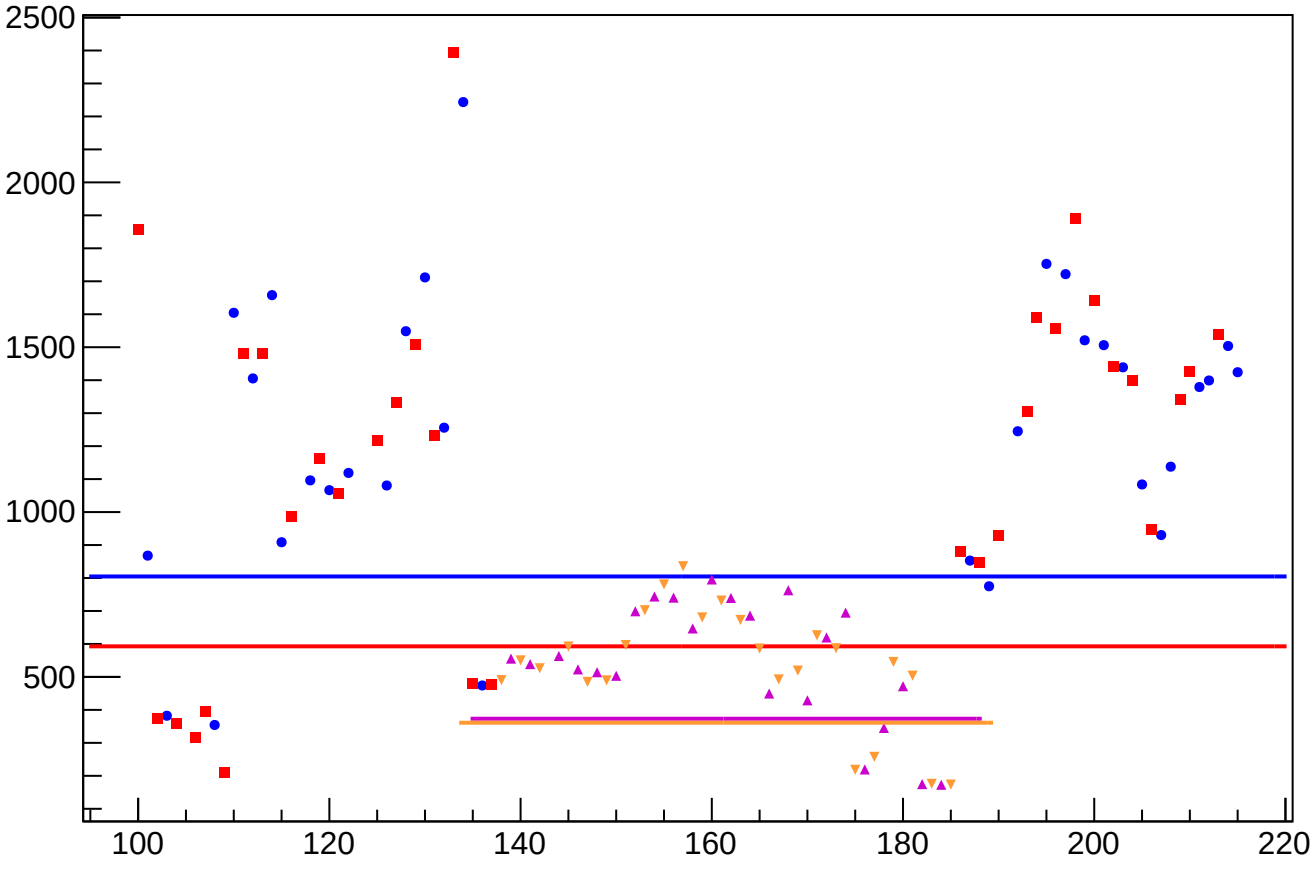
Right: 46.967+/-134.257 χ^2/NDF: 67.8/62

In: 26.706+/-90.241 χ^2/NDF:60.2/53

Out: 99.258+/-83.919 χ^2/NDF:67.8/55

All: 65.612+/-61.453 χ^2/NDF: 128.3/109

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 804.712+/-0.150 χ^2/NDF: 9122335.3/30

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 592.739+/-0.123 χ^2/NDF: 13249889.8/31

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

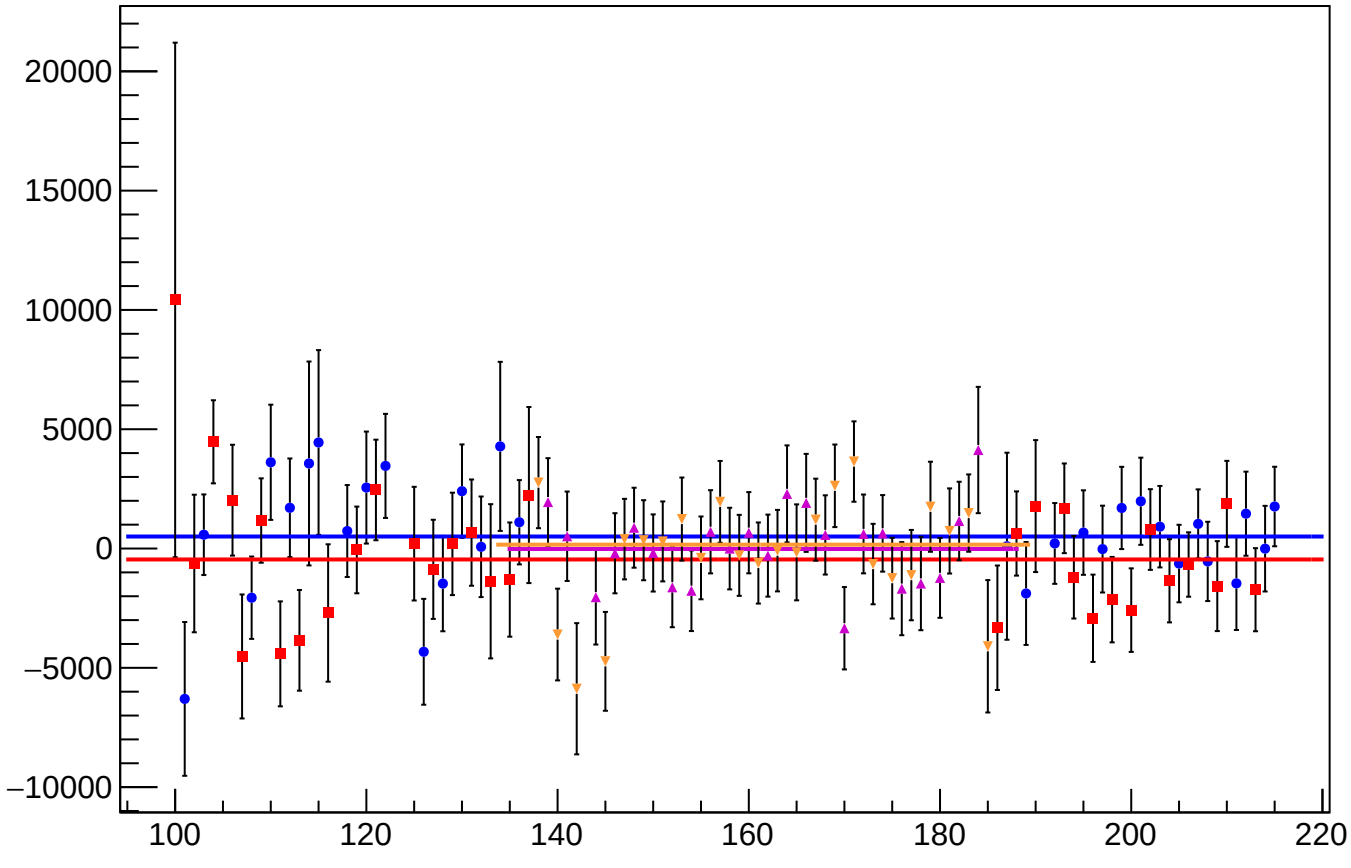
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 677.677+/-0.095 χ^2/NDF: 23569465.5/62

In: 451.268+/-0.064 χ^2/NDF:24111565.3/53

Out: 415.338+/-0.059 χ^2/NDF:24165582.7/55

All: 432.001+/-0.043 χ^2/NDF: 48447168.8/10



Right In: 503.604+/-353.263 χ^2/NDF: 26.3/30

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -458.434+/-361.265 χ^2/NDF: 34.4/31

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

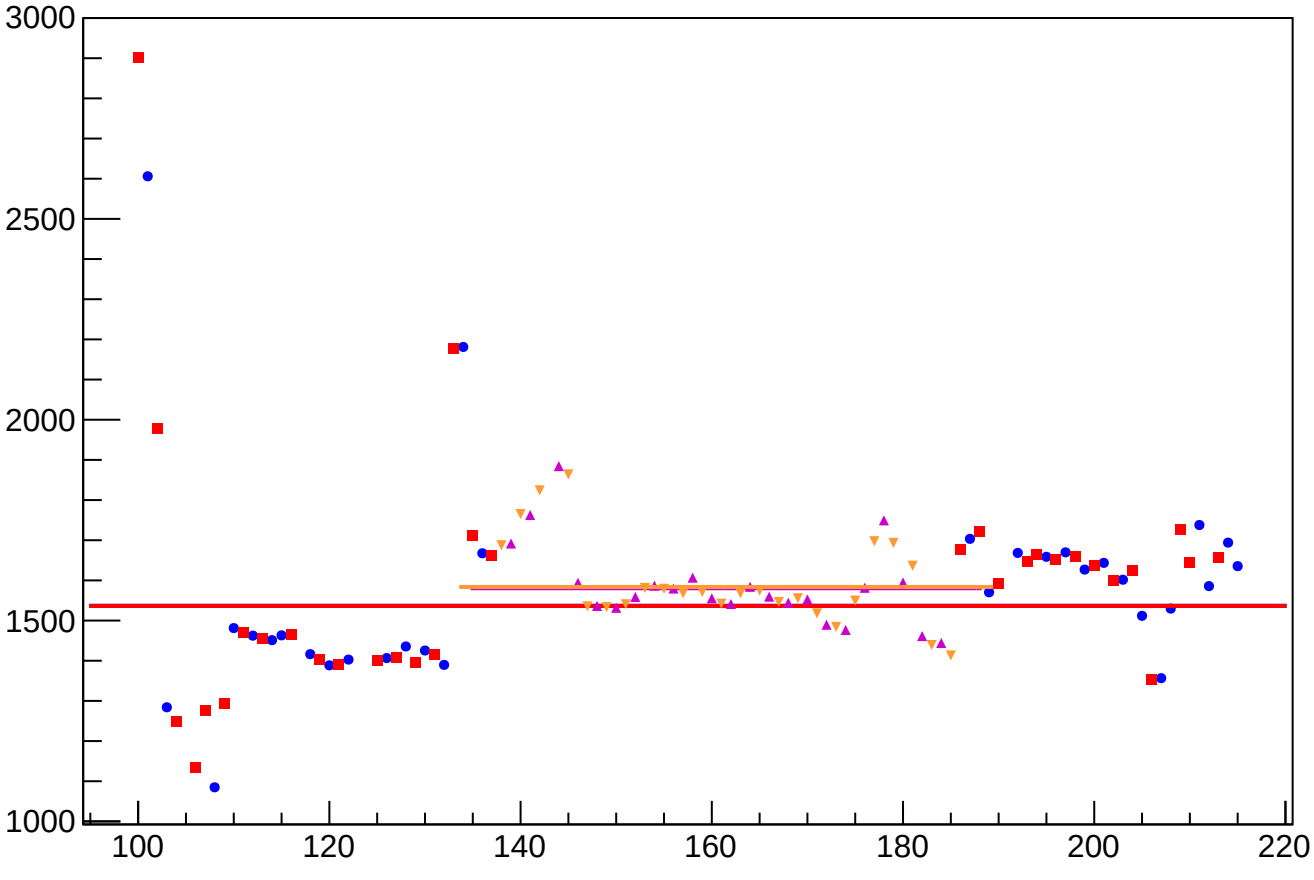
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 33.357+/-252.577 χ^2/NDF: 64.3/62

In: 253.638+/-255.435 χ^2/NDF:43.4/53

Out: -154.456+/-257.927 χ^2/NDF:65.7/55

All: 51.572+/-181.494 χ^2/NDF: 110.3/109



Right In: 1536.841+/-0.250 χ^2/NDF: 664100.6/30

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1536.400+/-0.255 χ^2/NDF: 550744.3/31

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

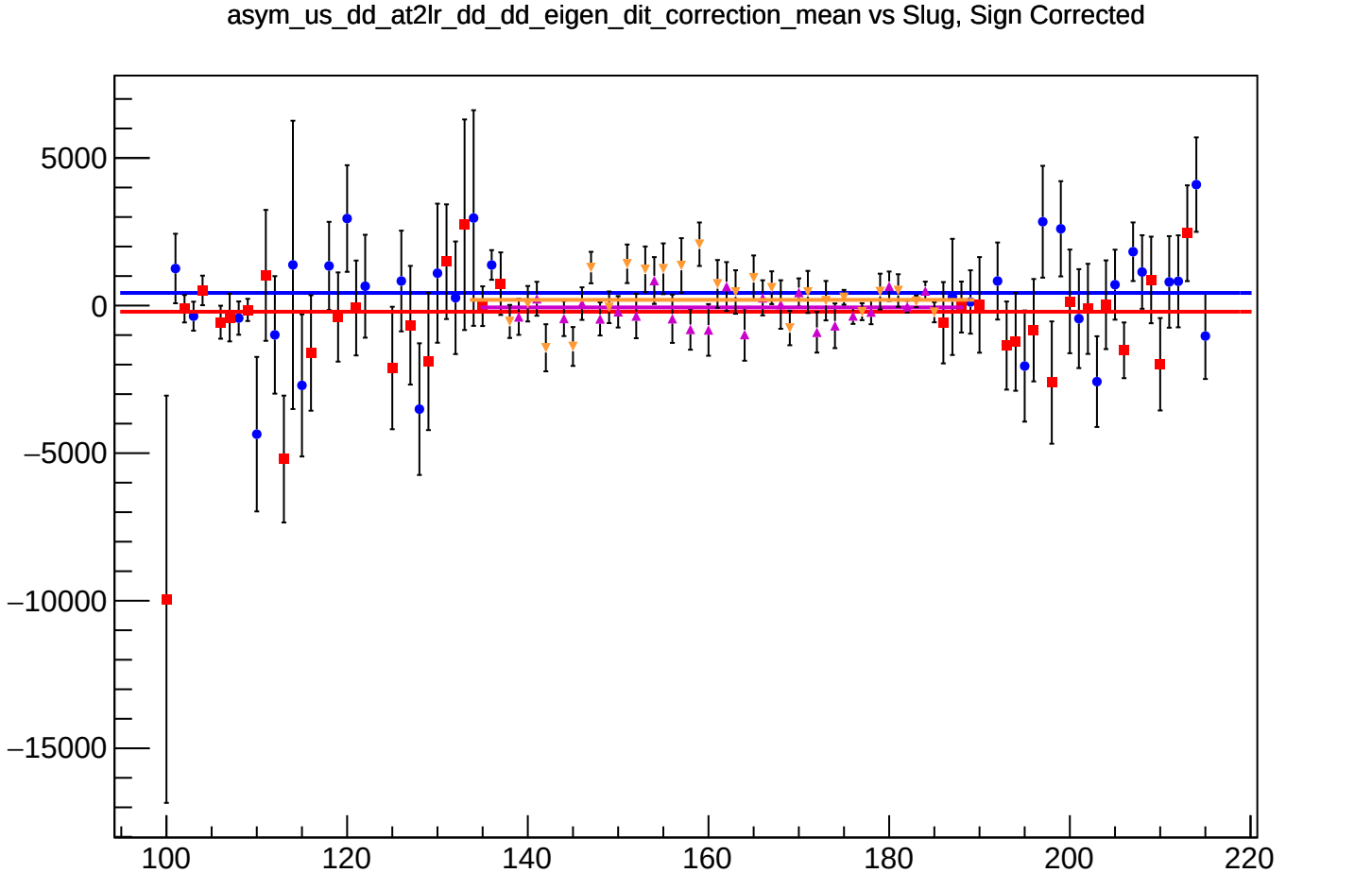
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1536.625+/-0.179 χ^2/NDF: 1214846.4/62

In: 1557.656+/-0.181 χ^2/NDF:804398.8/53

Out: 1559.577+/-0.182 χ^2/NDF:701116.7/55

All: 1558.607+/-0.128 χ^2/NDF: 1505571.5/10



Right In: 428.828+/-212.093 χ^2/NDF: 38.8/30

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -208.351+/-173.427 χ^2/NDF: 23.7/31

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

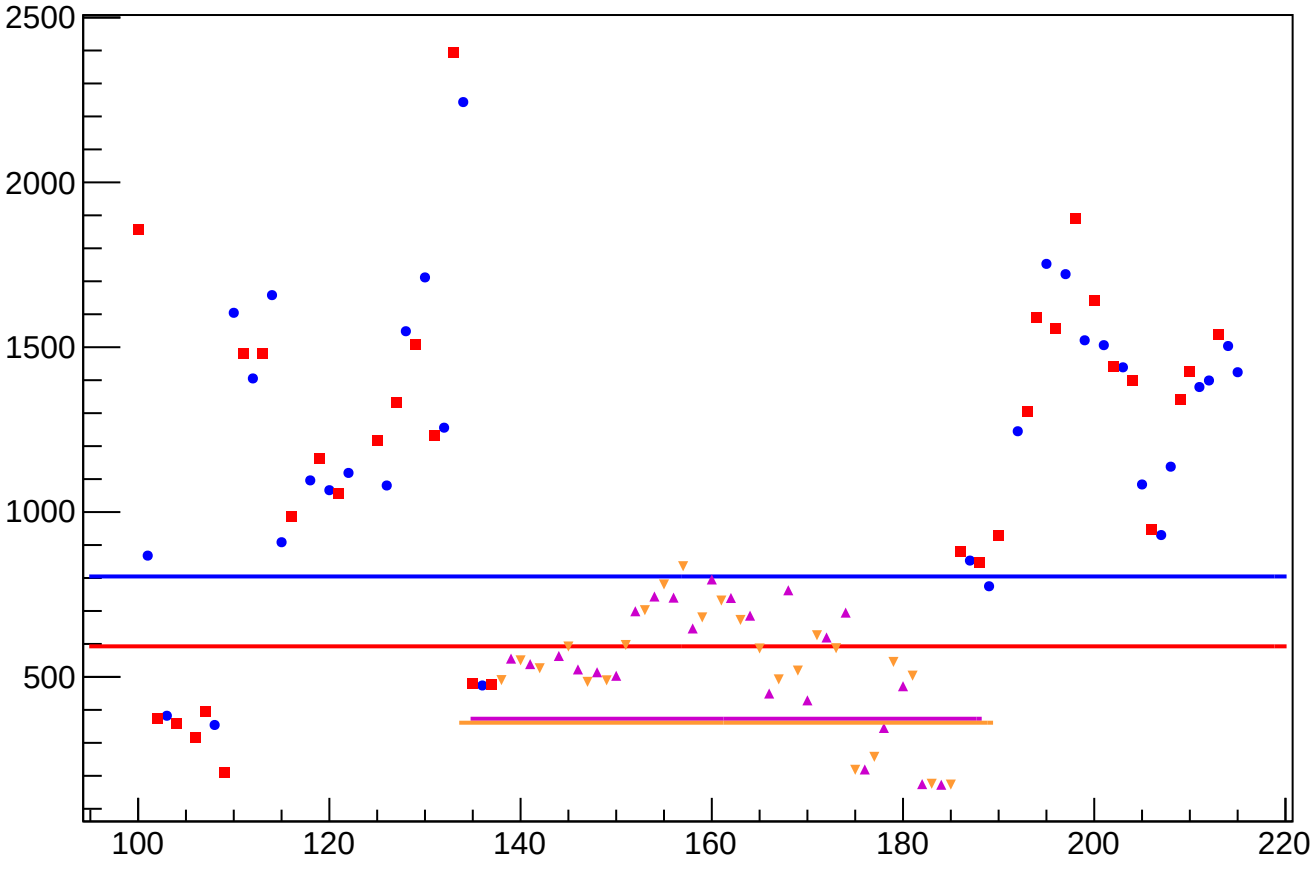
Right: 46.969+/-134.257 χ^2/NDF: 67.8/62

In: 26.709+/-90.241 χ^2/NDF:60.2/53

Out: 99.262+/-83.920 χ^2/NDF:67.8/55

All: 65.616+/-61.454 χ^2/NDF: 128.3/109

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 804.709+/-0.150 χ^2/NDF: 9122352.8/30

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 592.746+/-0.123 χ^2/NDF: 13249699.0/31

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

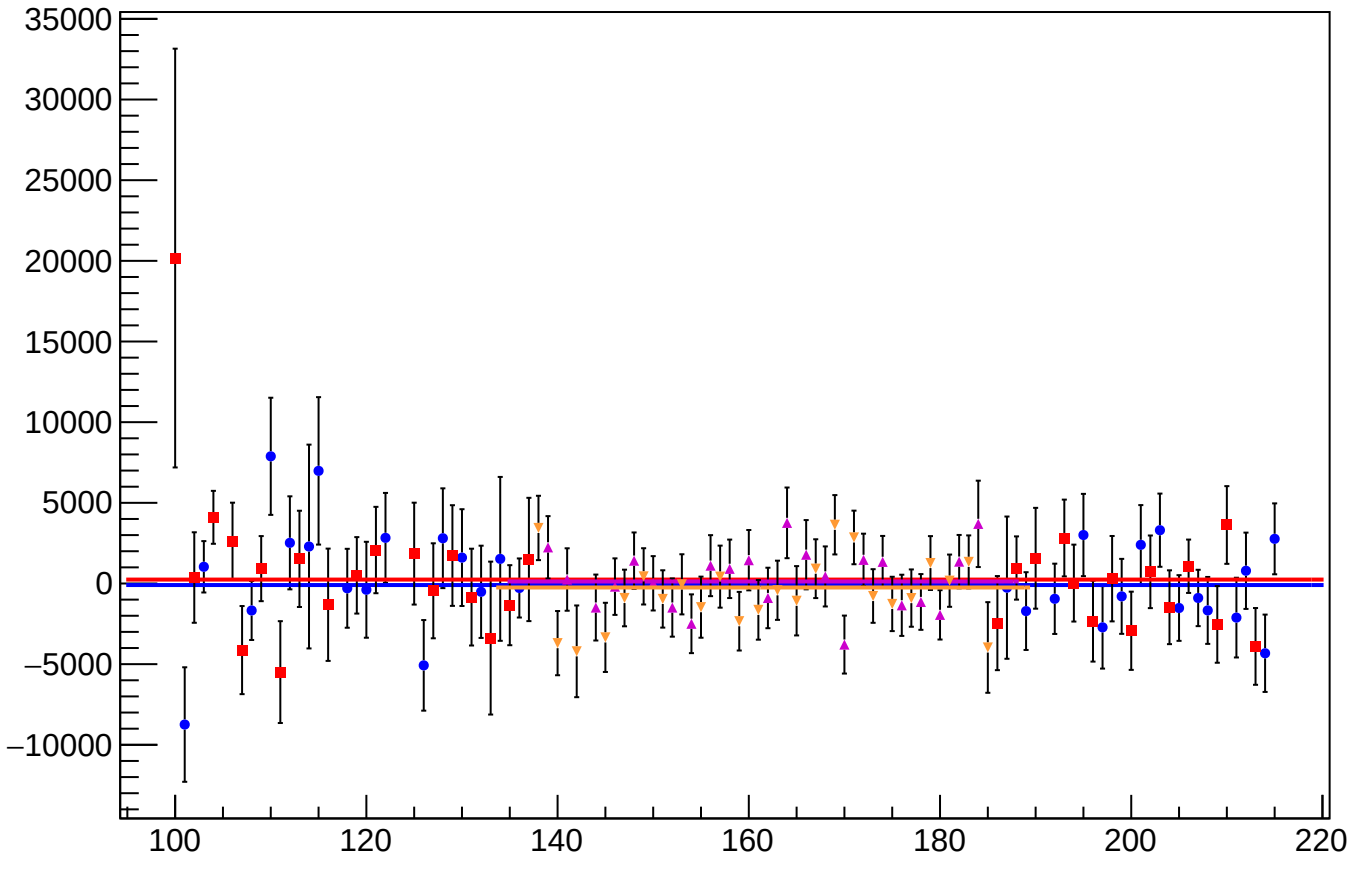
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 677.680+/-0.095 χ^2/NDF: 23569182.8/62

In: 451.273+/-0.064 χ^2/NDF:24111115.0/53

Out: 415.342+/-0.059 χ^2/NDF:24165272.5/55

All: 432.005+/-0.043 χ^2/NDF: 48446410.4/10



Right In: -95.862+/-444.428 χ^2/NDF: 34.4/30

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 242.888+/-448.834 χ^2/NDF: 29.9/31

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

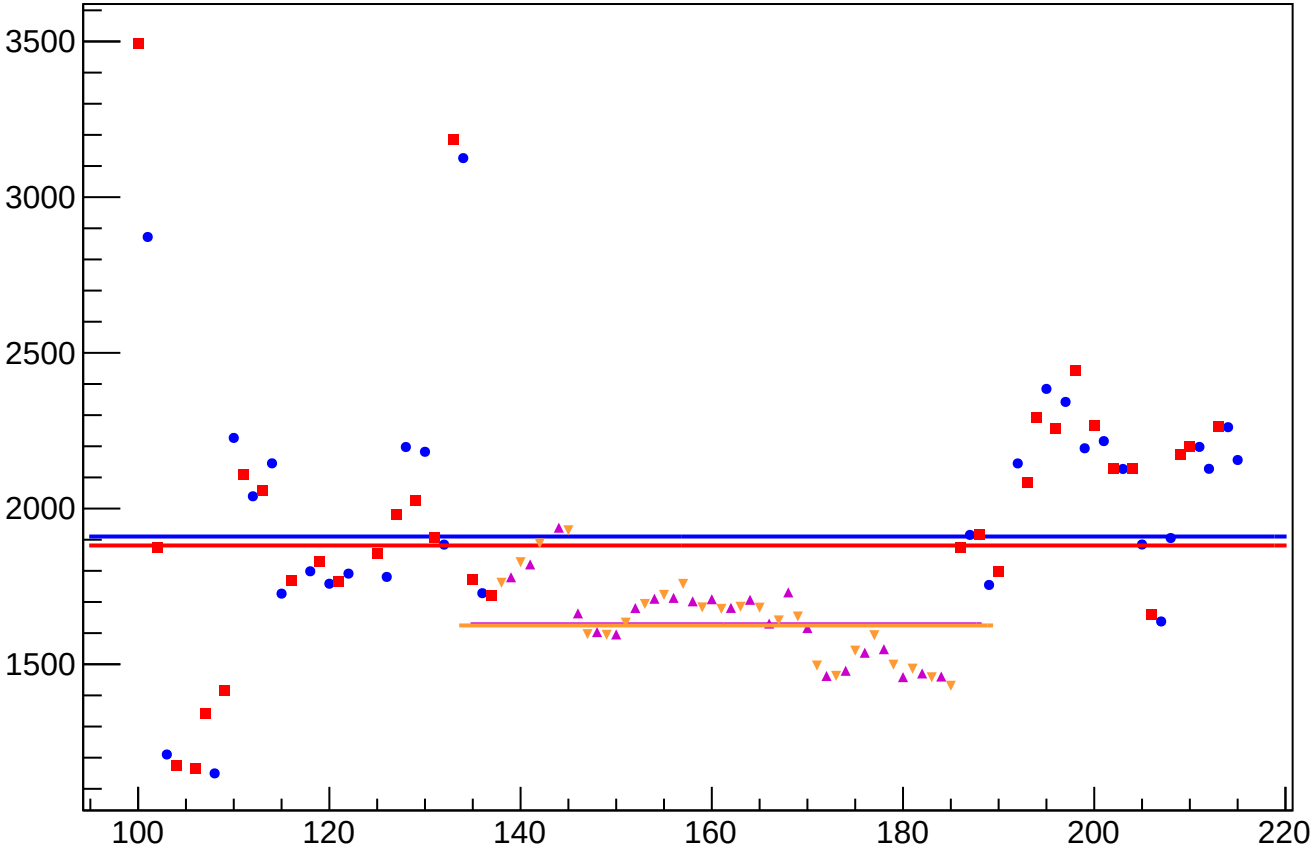
Right: 71.842+/-315.804 χ^2/NDF: 64.5/62

In: 31.996+/-289.390 χ^2/NDF:55.7/53

Out: -43.642+/-289.226 χ^2/NDF:56.6/55

All: -5.844+/-204.572 χ^2/NDF: 112.4/109

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1910.240+/-0.314 χ^2/NDF: 1487760.8/30

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1881.442+/-0.317 χ^2/NDF: 1418128.0/31

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

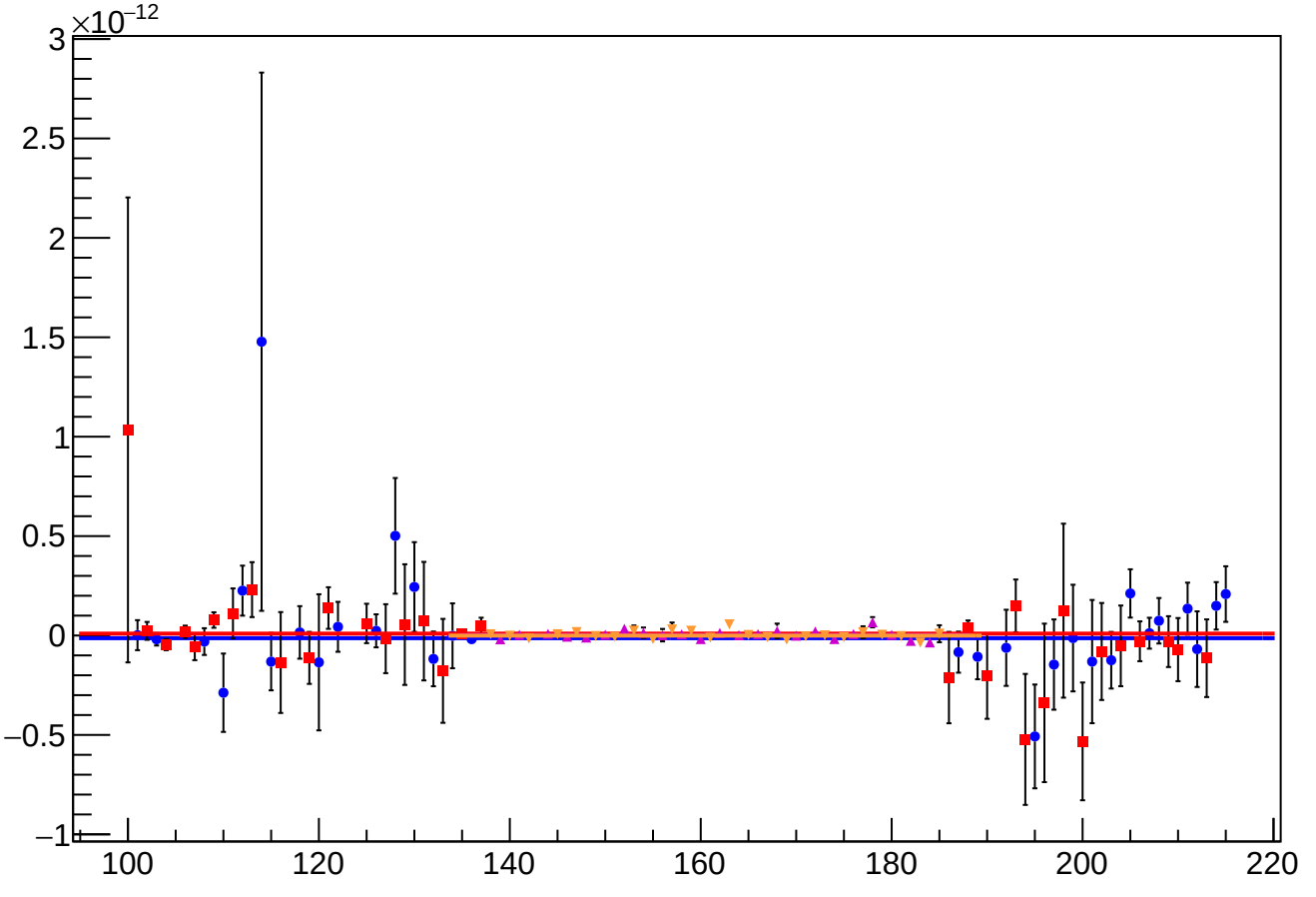
Right: 1895.983+/-0.223 χ^2/NDF: 2910046.0/62

In: 1747.797+/-0.205 χ^2/NDF:2156522.3/53

Out: 1731.261+/-0.205 χ^2/NDF:2008315.6/55

All: 1739.524+/-0.145 χ^2/NDF: 4168104.9/10

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/31

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

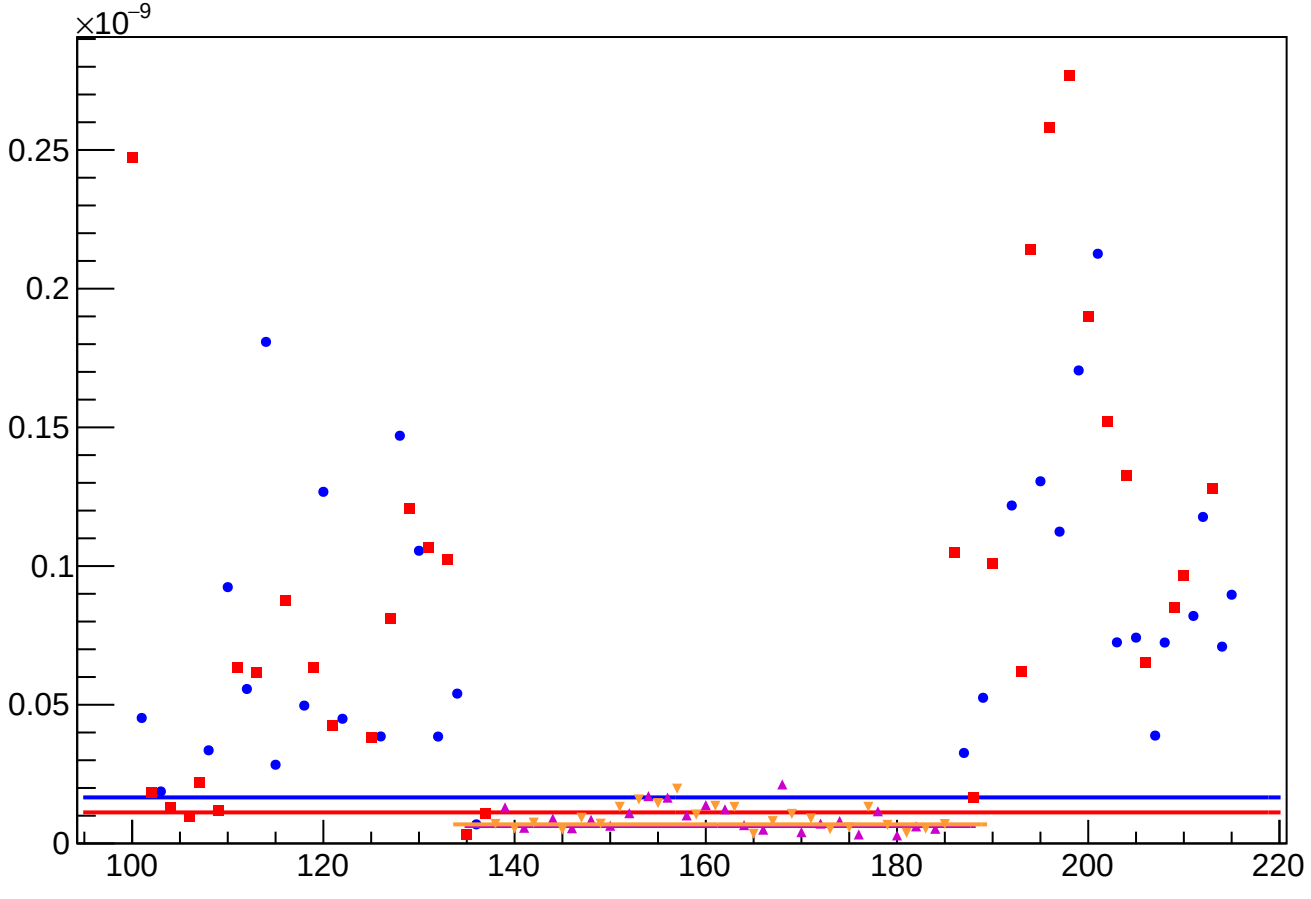
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 60.3/62

In: 0.000+/-0.000 χ^2/NDF:55.6/53

Out: 0.000+/-0.000 χ^2/NDF:51.9/55

All: 0.000+/-0.000 χ^2/NDF: 107.5/109



Right In: 0.000+/-0.000 χ^2/NDF: 10303792.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11670839.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

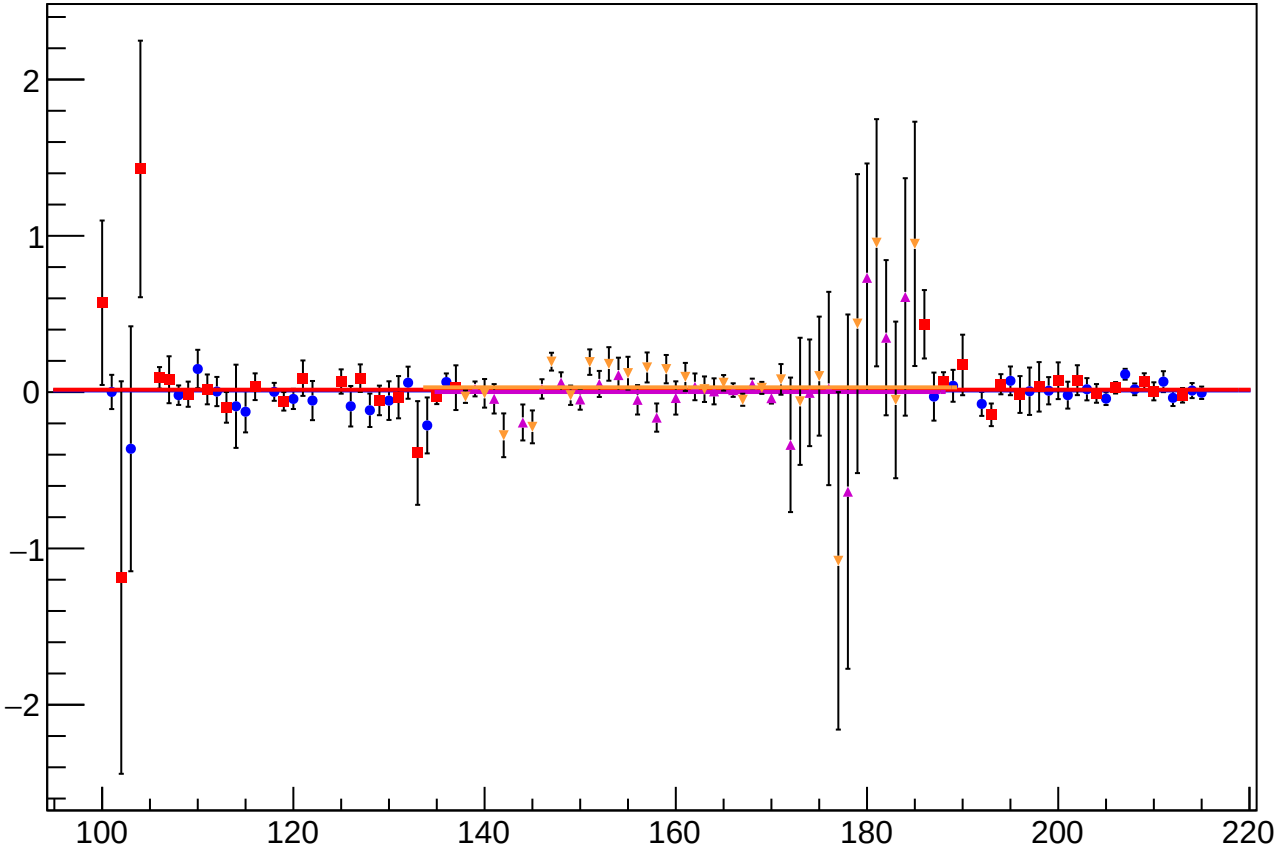
Right: 0.000+/-0.000 χ^2/NDF: 22325887.0/62

In: 0.000+/-0.000 χ^2/NDF:15229705.3/53

Out: 0.000+/-0.000 χ^2/NDF:14402709.9/55

All: 0.000+/-0.000 χ^2/NDF: 29646371.4/109

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 23.2/30

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.016+/-0.014 χ^2/NDF: 26.8/31

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

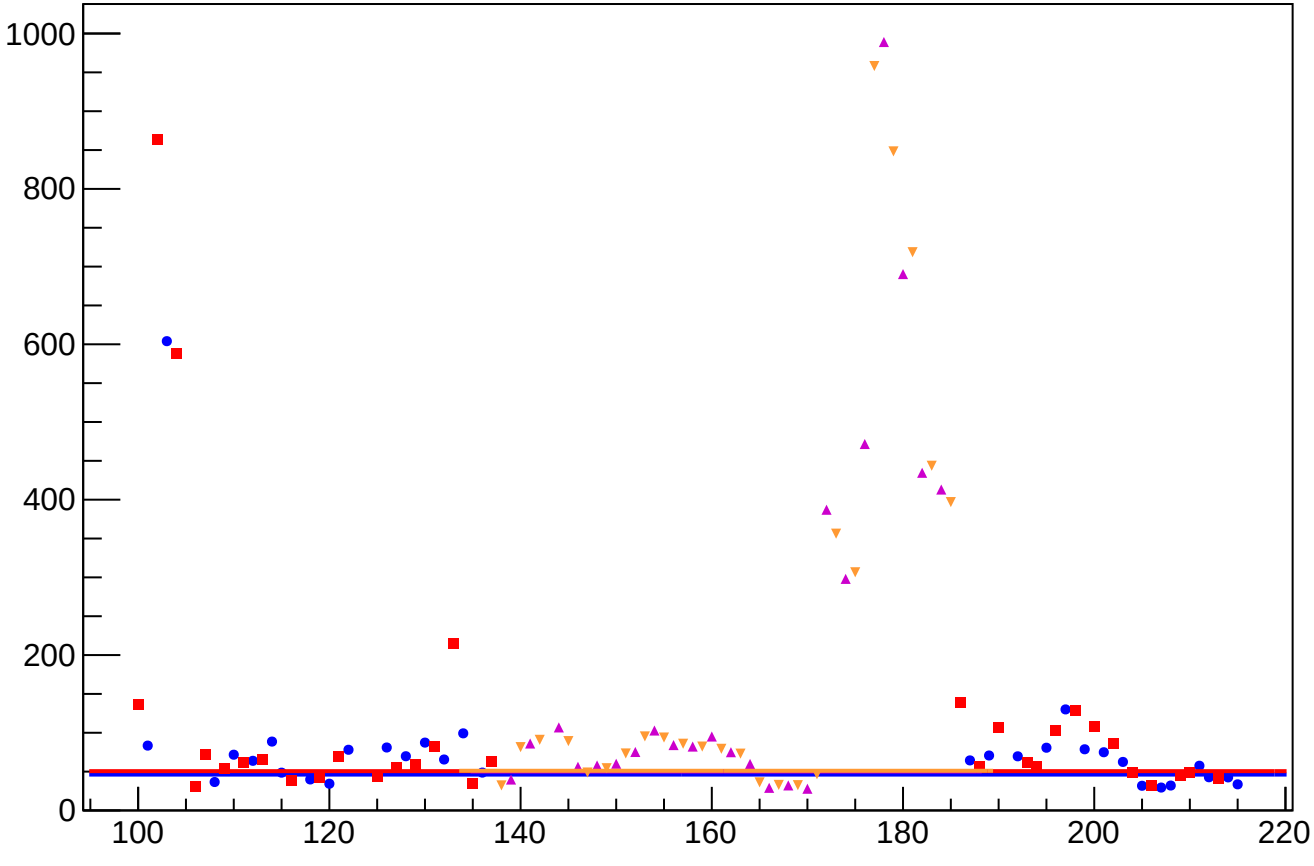
Right: 0.013+/-0.009 χ^2/NDF: 50.1/62

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.014+/-0.007 χ^2/NDF: 109.6/109

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.167+/-0.009 χ^2/NDF: 5548457.3/30

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 50.593+/-0.010 χ^2/NDF: 5838914.6/31

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

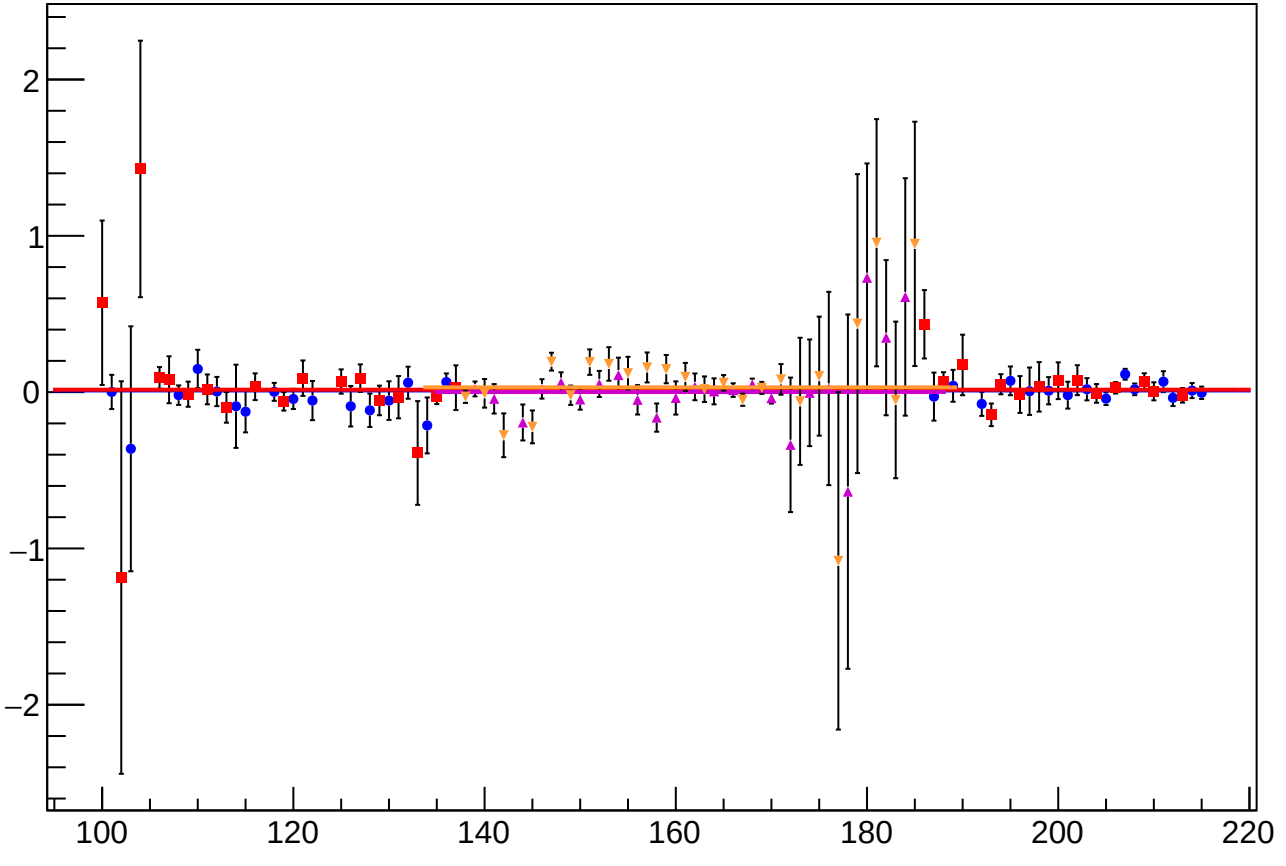
Right: 48.125+/-0.006 χ^2/NDF: 11501914.8/62

In: 47.775+/-0.007 χ^2/NDF:17831010.1/53

Out: 50.809+/-0.007 χ^2/NDF:17576659.2/55

All: 49.182+/-0.005 χ^2/NDF: 35500697.0/109

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 23.2/30

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.016+/-0.014 χ^2/NDF: 26.8/31

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

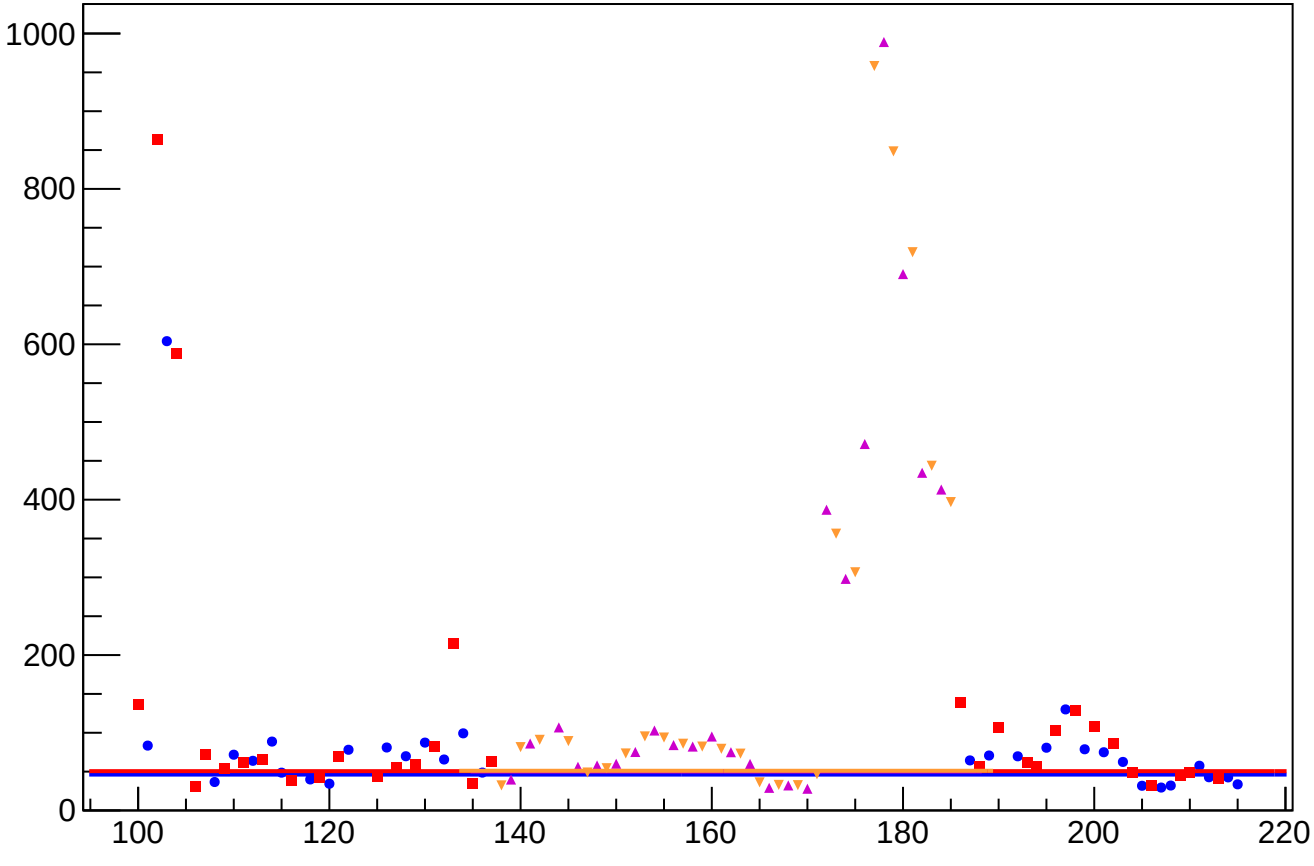
Right: 0.013+/-0.009 χ^2/NDF: 50.1/62

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.014+/-0.007 χ^2/NDF: 109.6/109

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.167+/-0.009 χ^2/NDF: 5548457.3/30

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 50.593+/-0.010 χ^2/NDF: 5838914.6/31

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

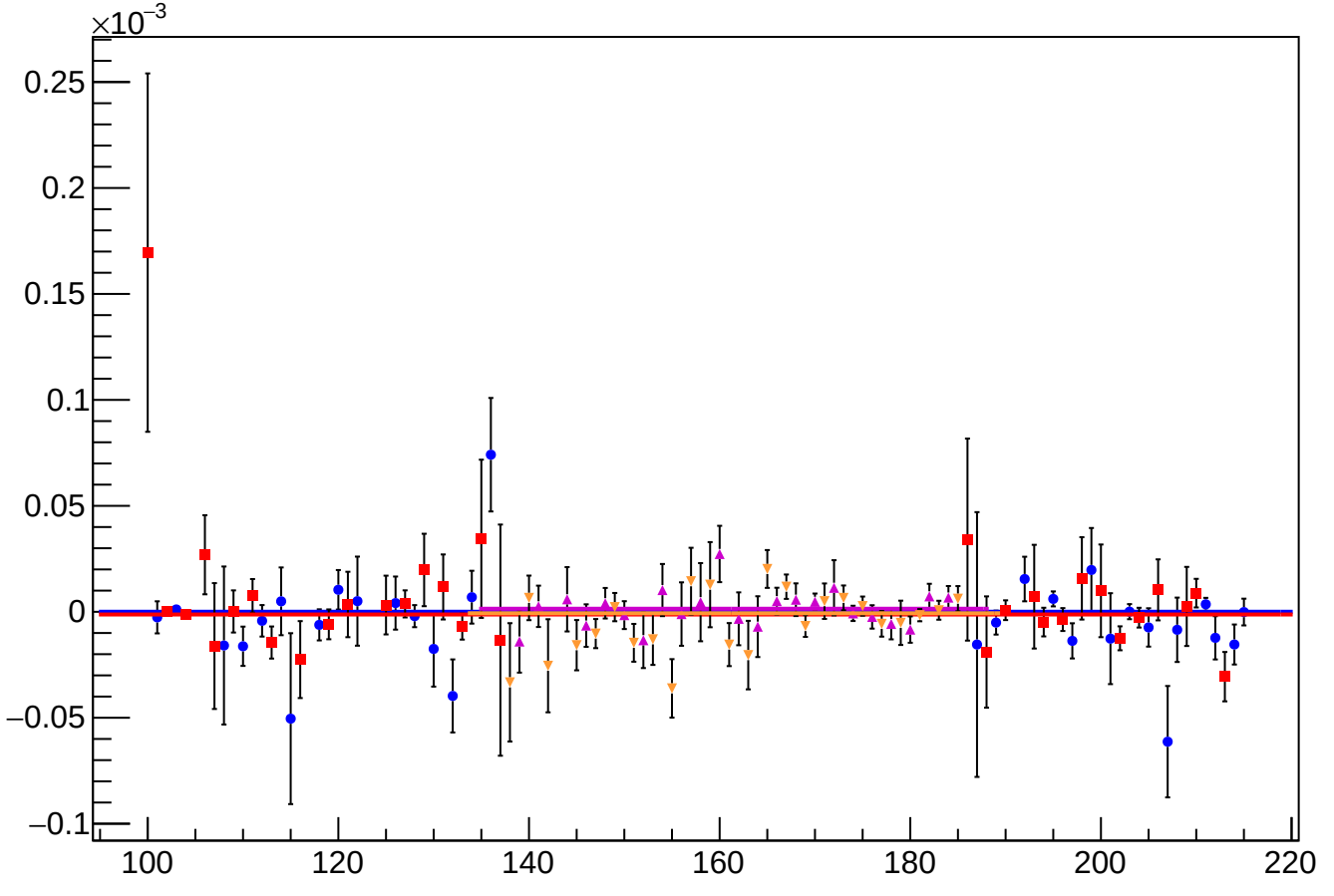
Right: 48.125+/-0.006 χ^2/NDF: 11501914.8/62

In: 47.775+/-0.007 χ^2/NDF:17831010.1/53

Out: 50.809+/-0.007 χ^2/NDF:17576659.2/55

All: 49.182+/-0.005 χ^2/NDF: 35500697.0/109

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 44.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.2/31

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

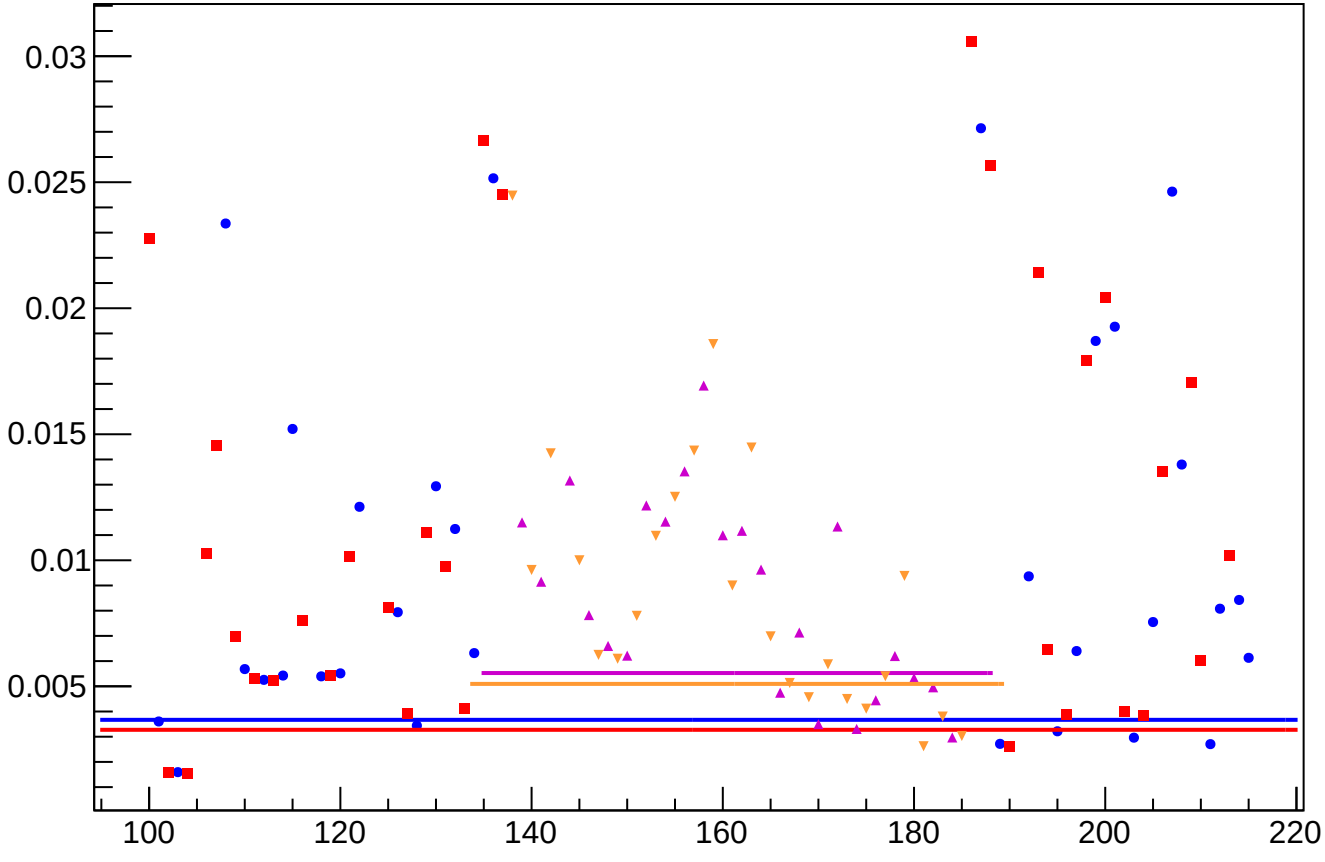
Right: -0.000+/-0.000 χ^2/NDF: 79.0/62

In: 0.000+/-0.000 χ^2/NDF:61.1/53

Out: -0.000+/-0.000 χ^2/NDF:72.8/55

All: -0.000+/-0.000 χ^2/NDF: 135.5/109

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 13414506.1/30

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 16205907.6/31

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

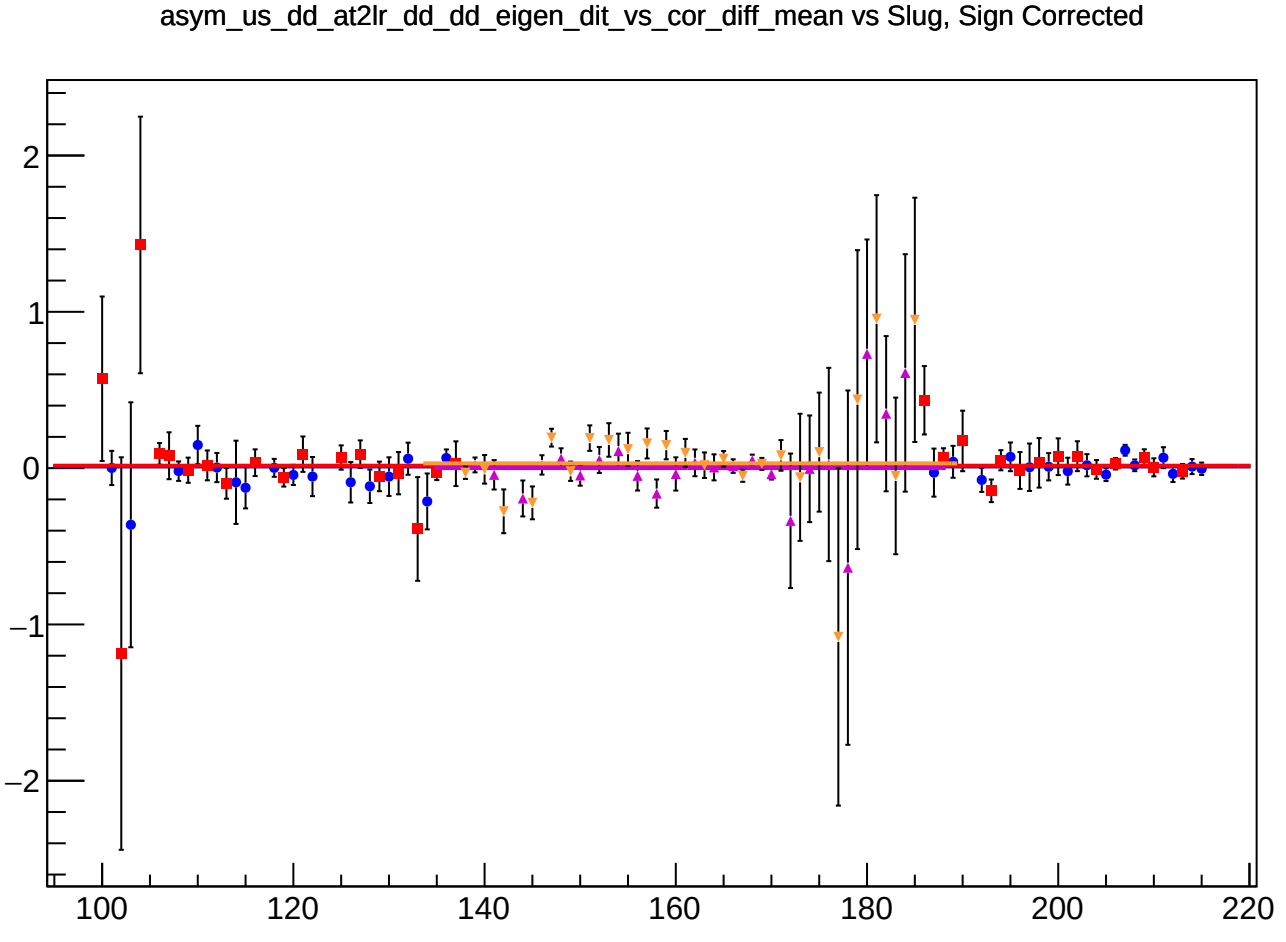
Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

Right: 0.003+/-0.000 χ^2/NDF: 29746781.4/62

In: 0.004+/-0.000 χ^2/NDF:22236139.2/53

Out: 0.004+/-0.000 χ^2/NDF:26714543.9/55

All: 0.004+/-0.000 χ^2/NDF: 49134780.2/109



Right In: 0.011+/-0.012 χ^2/NDF: 23.2/30

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.016+/-0.014 χ^2/NDF: 26.8/31

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

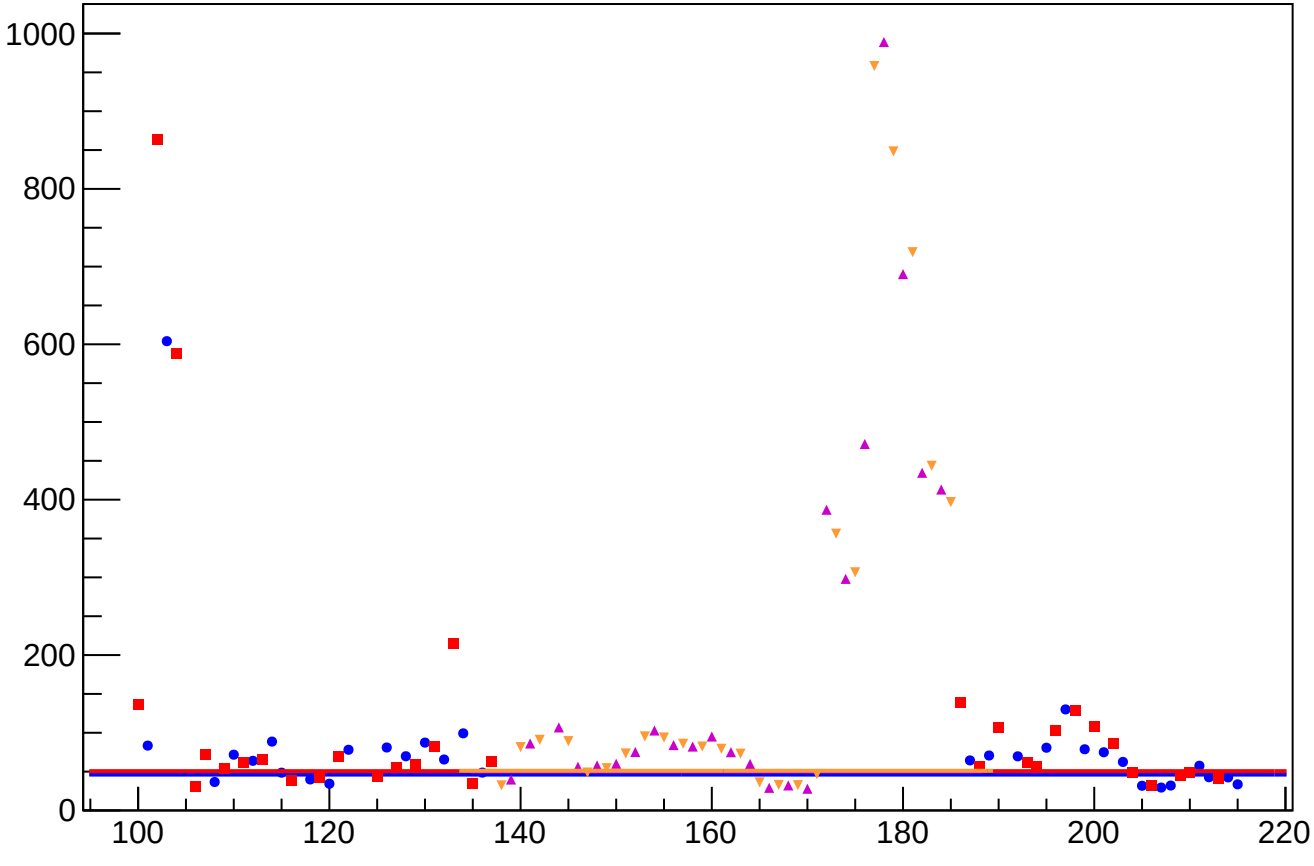
Right: 0.013+/-0.009 χ^2/NDF: 50.1/62

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.014+/-0.007 χ^2/NDF: 109.6/109

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.166+/-0.009 χ^2/NDF: 5548510.6/30

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 50.594+/-0.010 χ^2/NDF: 5838616.0/31

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

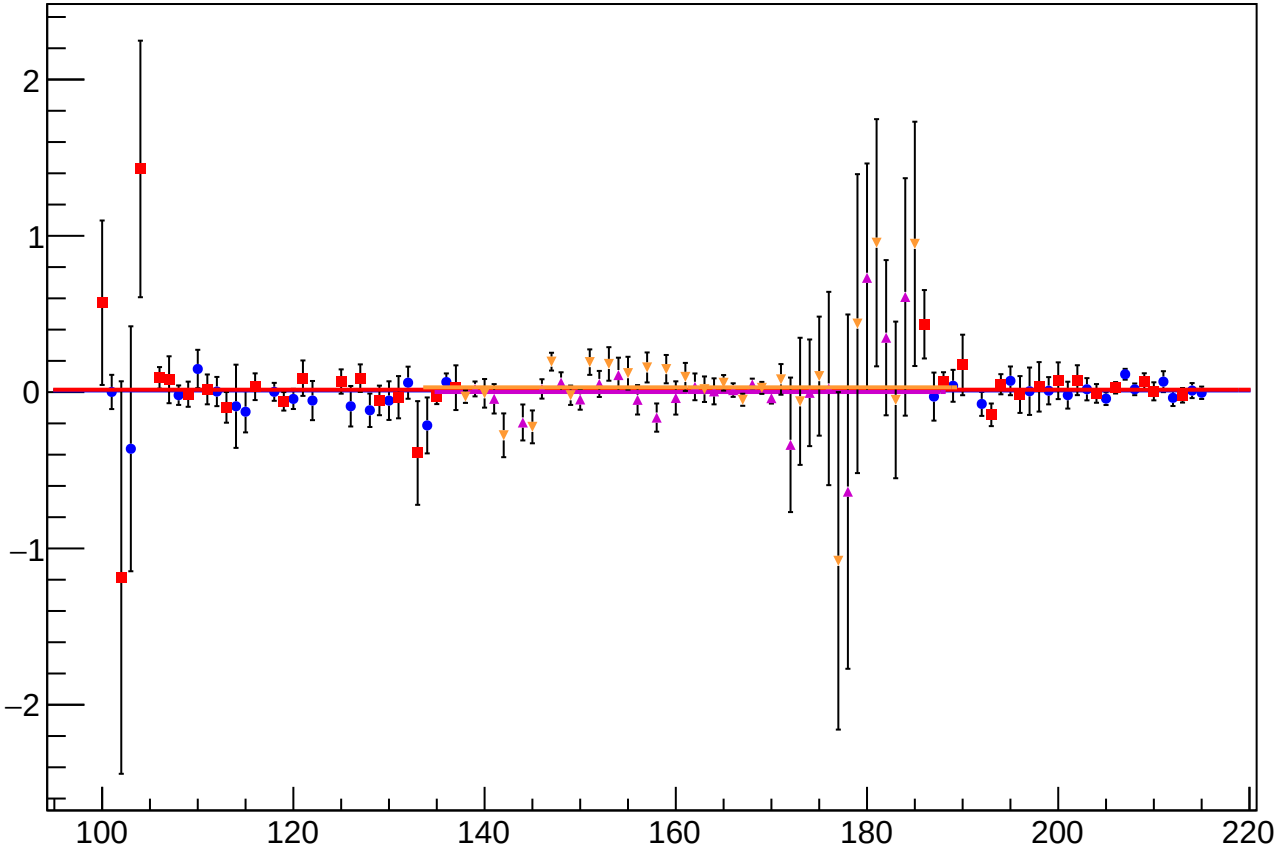
Right: 48.125+/-0.006 χ^2/NDF: 11501750.6/62

In: 47.775+/-0.007 χ^2/NDF:17831011.2/53

Out: 50.811+/-0.007 χ^2/NDF:17575533.5/55

All: 49.182+/-0.005 χ^2/NDF: 35499690.1/109

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 23.2/30

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.016+/-0.014 χ^2/NDF: 26.8/31

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

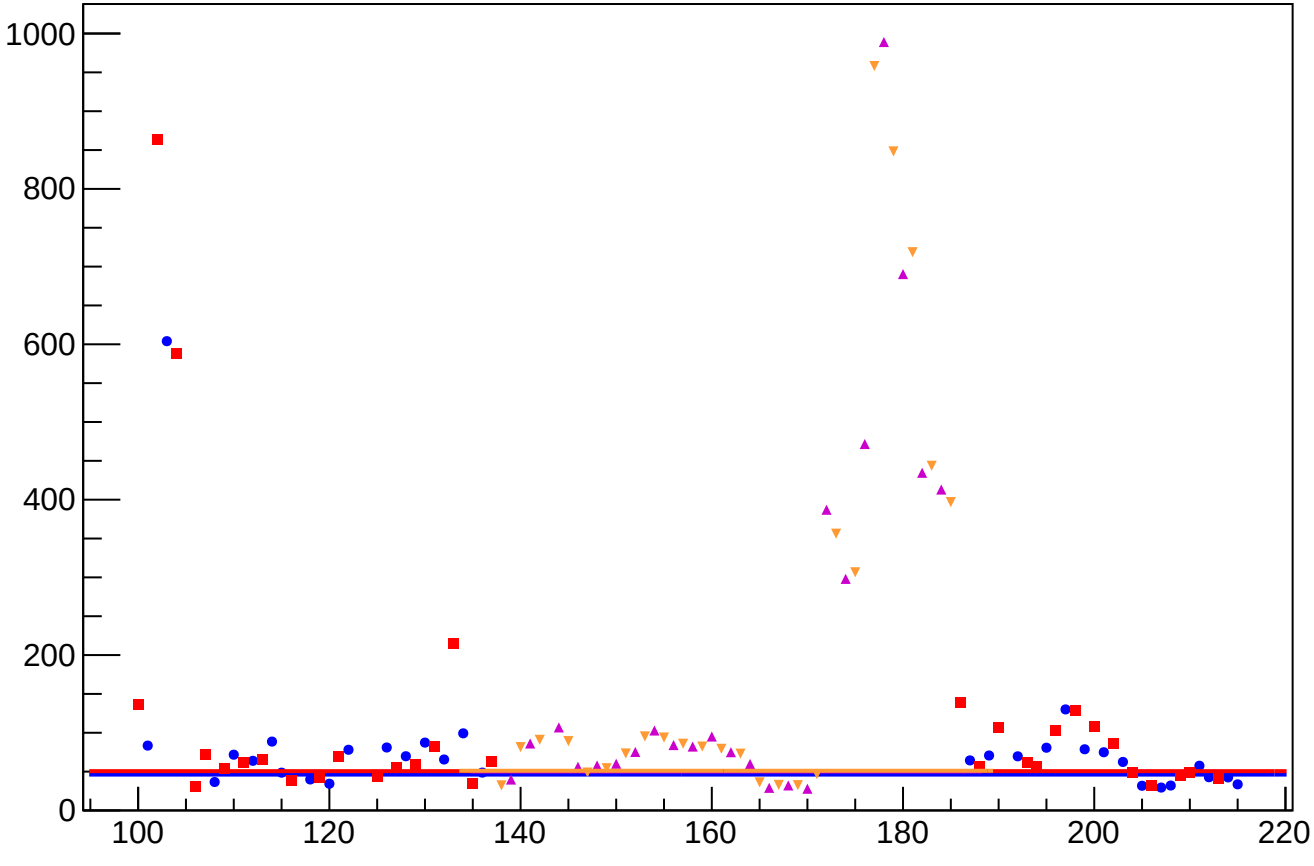
Right: 0.013+/-0.009 χ^2/NDF: 50.1/62

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.022+/-0.010 χ^2/NDF:68.9/55

All: 0.014+/-0.007 χ^2/NDF: 109.6/109

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.166+/-0.009 χ^2/NDF: 5548510.6/30

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 50.594+/-0.010 χ^2/NDF: 5838616.0/31

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

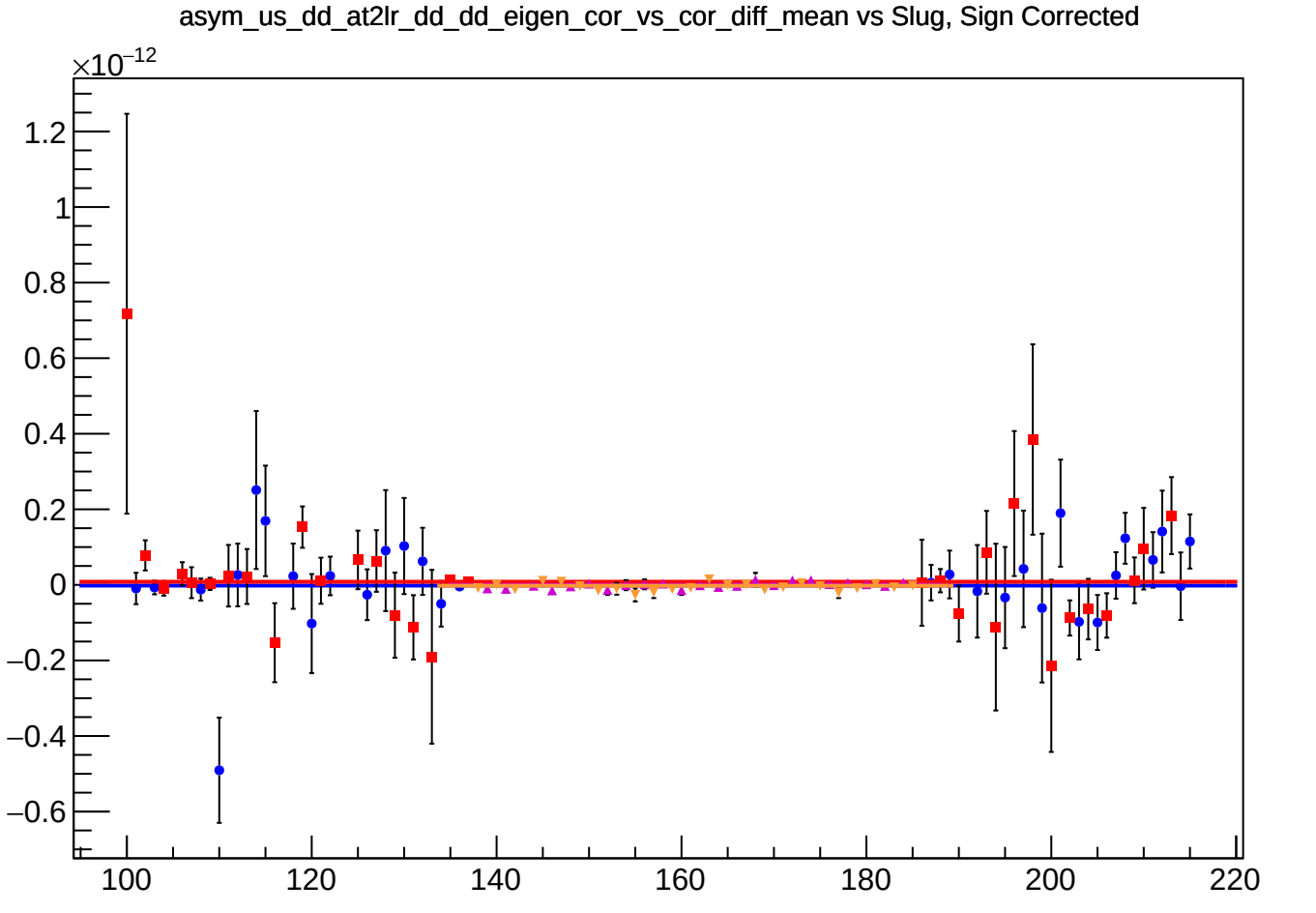
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 48.125+/-0.006 χ^2/NDF: 11501750.6/62

In: 47.775+/-0.007 χ^2/NDF:17831011.2/53

Out: 50.811+/-0.007 χ^2/NDF:17575533.5/55

All: 49.182+/-0.005 χ^2/NDF: 35499690.1/109



Right In: -0.000+/-0.000 χ^2/NDF: 32.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.7/31

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

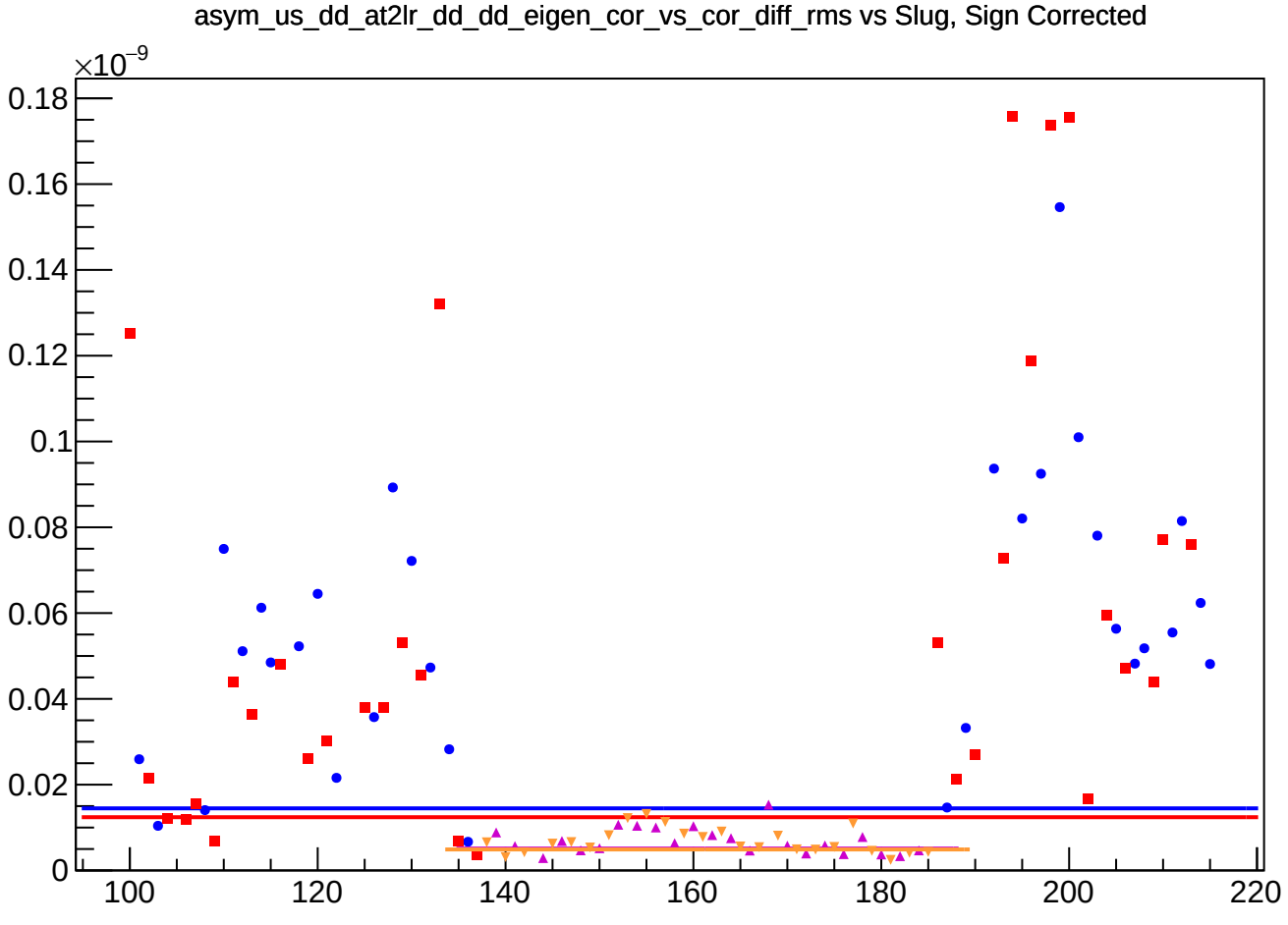
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

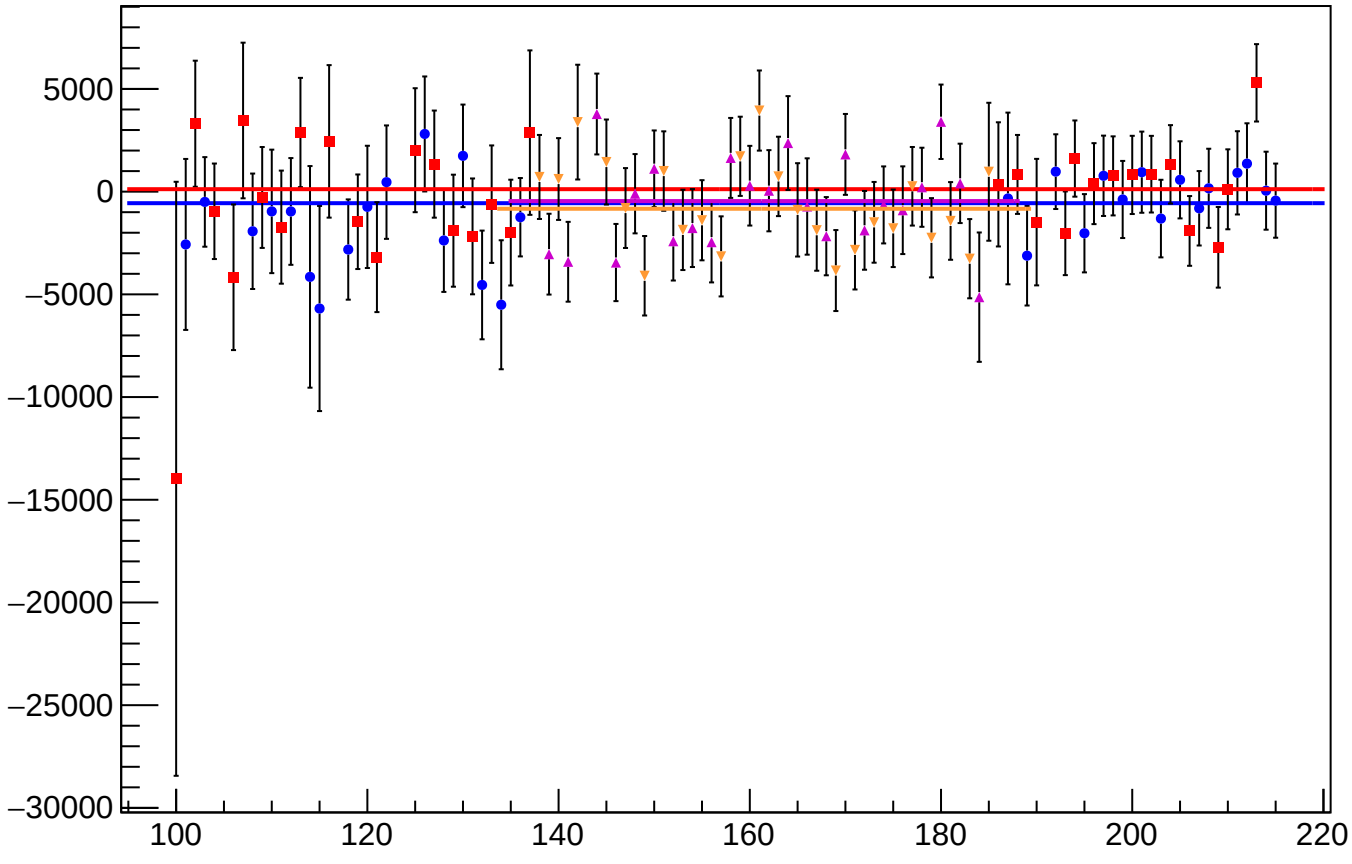
Right: 0.000+/-0.000 χ^2/NDF: 71.7/62

In: -0.000+/-0.000 χ^2/NDF:51.0/53

Out: -0.000+/-0.000 χ^2/NDF:62.7/55

All: -0.000+/-0.000 χ^2/NDF: 114.2/109


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 14076876.0/30
Left Out: 0.000+/-0.000 χ²/NDF:4312108.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 12564873.6/31
Left In: 0.000+/-0.000 χ²/NDF:3777059.0/22
Left: 0.000+/-0.000 χ²/NDF: 8107483.0/46
Right: 0.000+/-0.000 χ²/NDF: 26749209.9/62
In: 0.000+/-0.000 χ²/NDF:21791497.3/53
Out: 0.000+/-0.000 χ²/NDF:19732420.0/55
All: 0.000+/-0.000 χ²/NDF: 41561183.8/109



Right In: -561.496+/-410.374 χ^2/NDF: 16.5/30

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 120.432+/-419.865 χ^2/NDF: 25.5/31

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

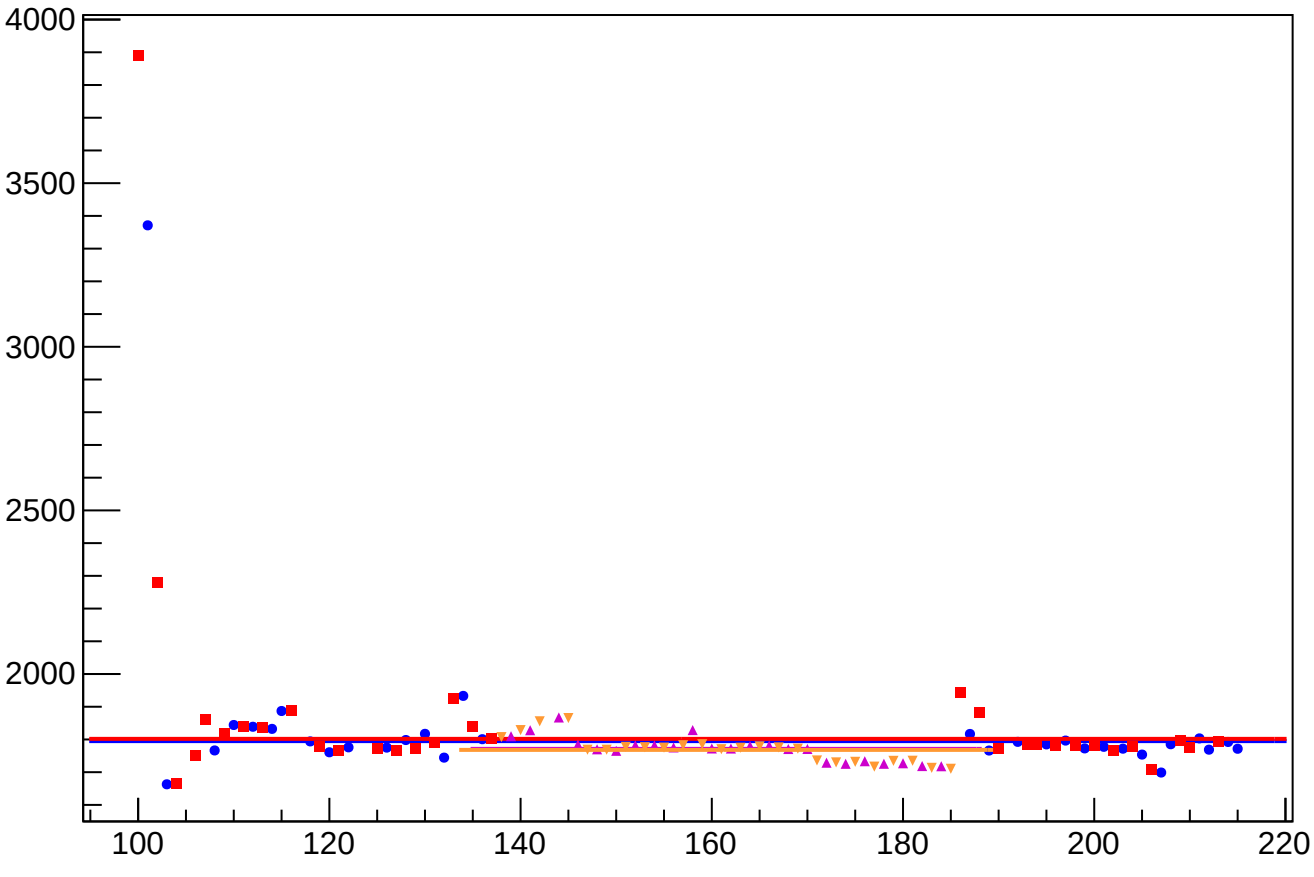
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -228.327+/-293.476 χ^2/NDF: 43.3/62

In: -510.949+/-291.325 χ^2/NDF:43.8/53

Out: -366.883+/-293.503 χ^2/NDF:53.6/55

All: -439.452+/-206.764 χ^2/NDF: 97.5/109



Right In: 1794.939+/-0.290 χ^2/NDF: 310010.9/30

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1801.816+/-0.297 χ^2/NDF: 122330.9/31

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

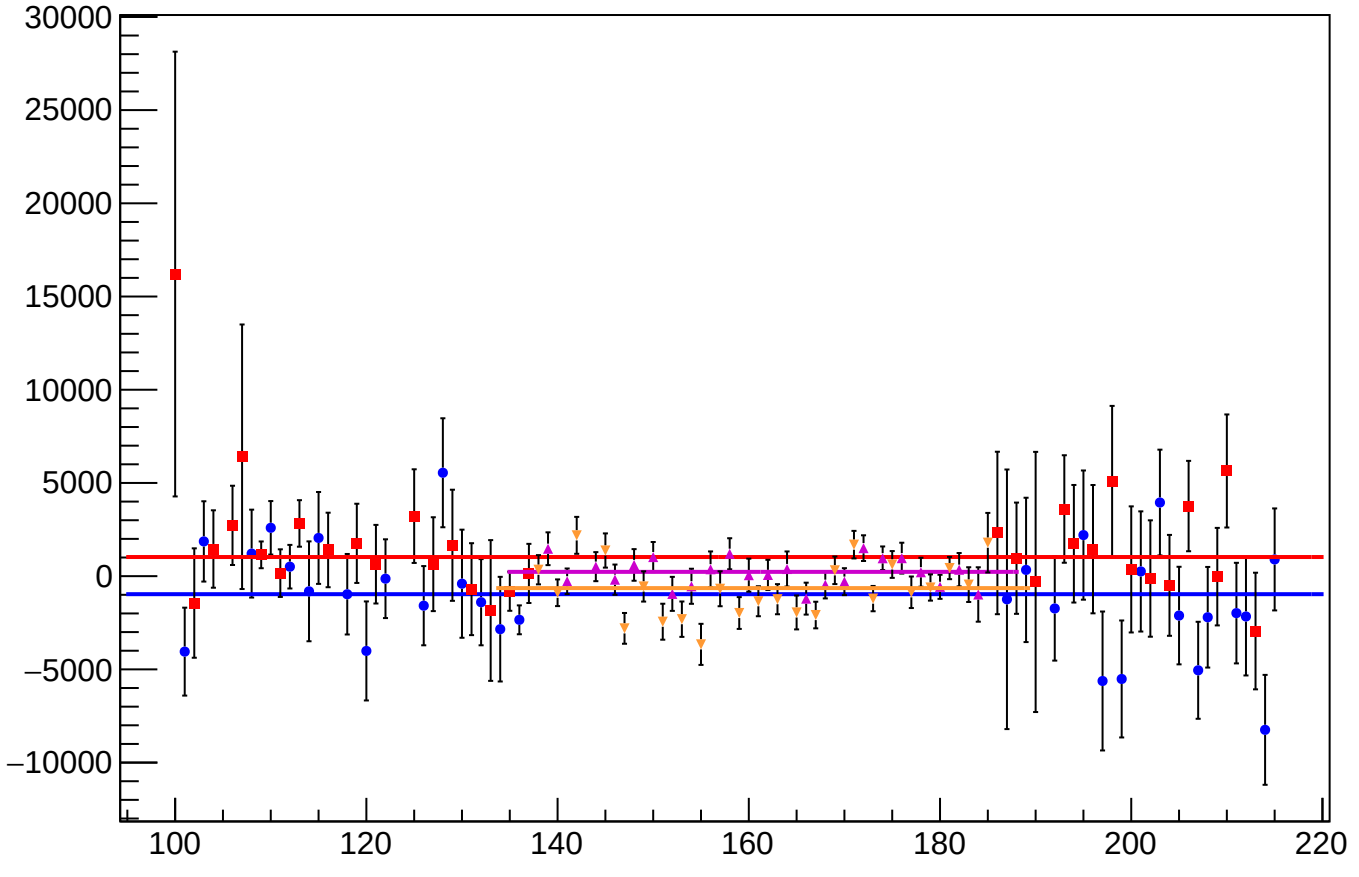
Right: 1798.299+/-0.208 χ^2/NDF: 432616.2/62

In: 1783.172+/-0.206 χ^2/NDF:329751.6/53

Out: 1784.589+/-0.208 χ^2/NDF:145274.0/55

All: 1783.875+/-0.146 χ^2/NDF: 475049.0/109

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -966.574+/-385.609 χ^2/NDF: 41.3/30

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 1026.200+/-356.549 χ^2/NDF: 19.5/31

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

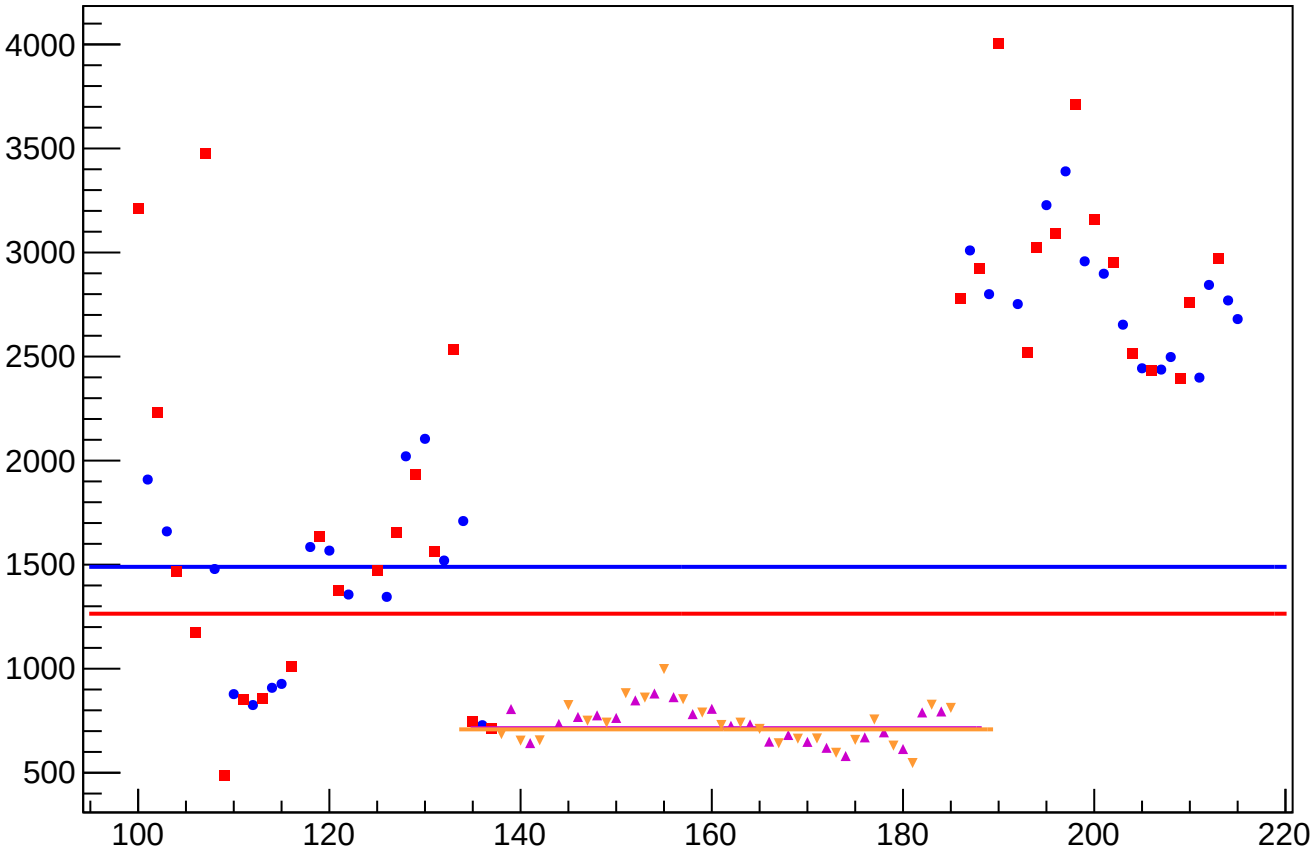
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 107.723+/-261.789 χ^2/NDF: 75.1/62

In: 39.047+/-154.263 χ^2/NDF:69.3/53

Out: -342.699+/-150.824 χ^2/NDF:104.1/55

All: -156.129+/-107.844 χ^2/NDF: 176.5/109



Right In: 1489.422+/-0.273 χ^2/NDF: 8477610.1/30

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1264.280+/-0.252 χ^2/NDF: 11522615.3/31

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

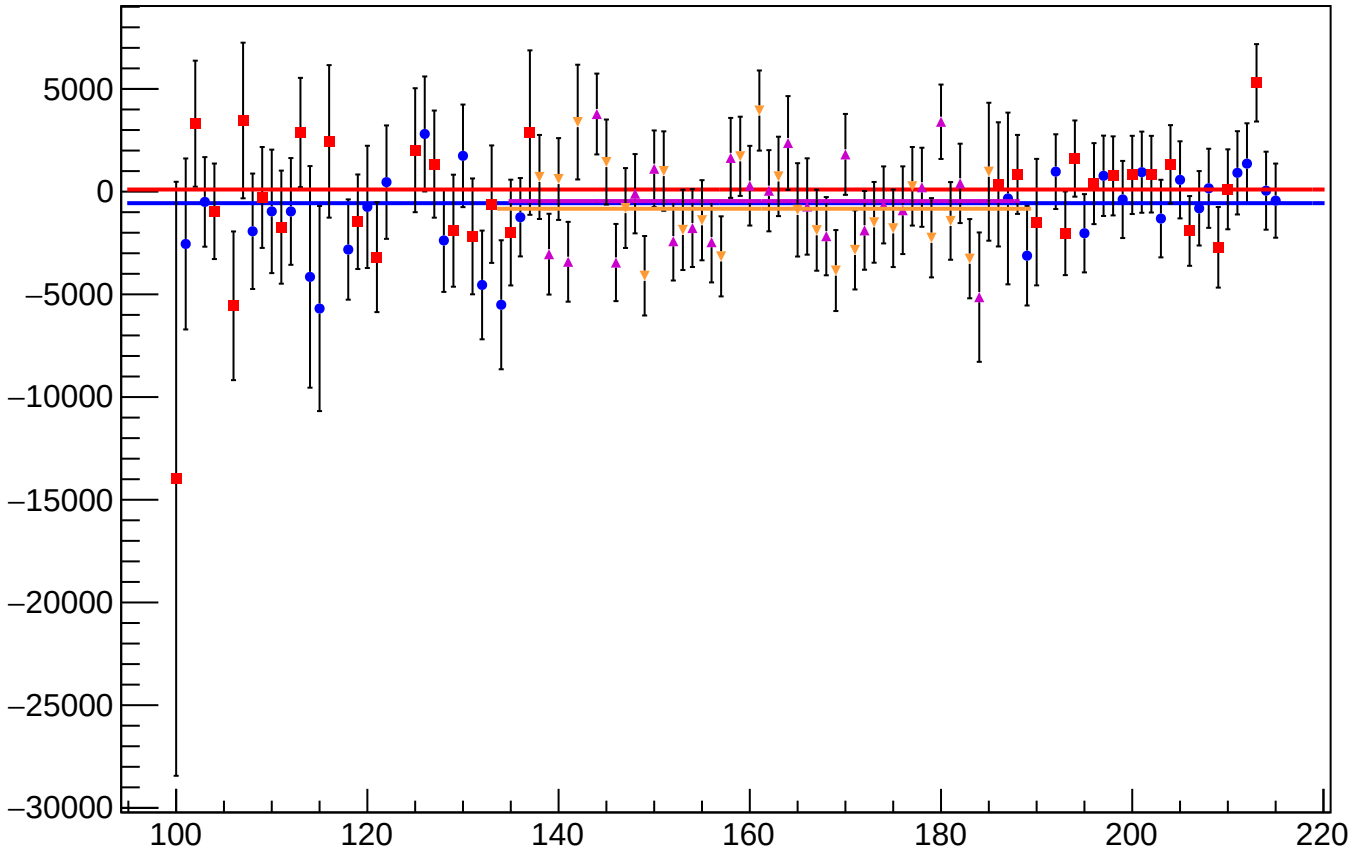
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1368.049+/-0.185 χ^2/NDF: 20367773.3/62

In: 838.235+/-0.109 χ^2/NDF:15765158.7/53

Out: 807.952+/-0.107 χ^2/NDF:16213066.3/55

All: 822.752+/-0.076 χ^2/NDF: 32017631.4/10



Right In: -561.278+/-410.374 χ^2/NDF: 16.5/30

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 104.205+/-419.986 χ^2/NDF: 26.5/31

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

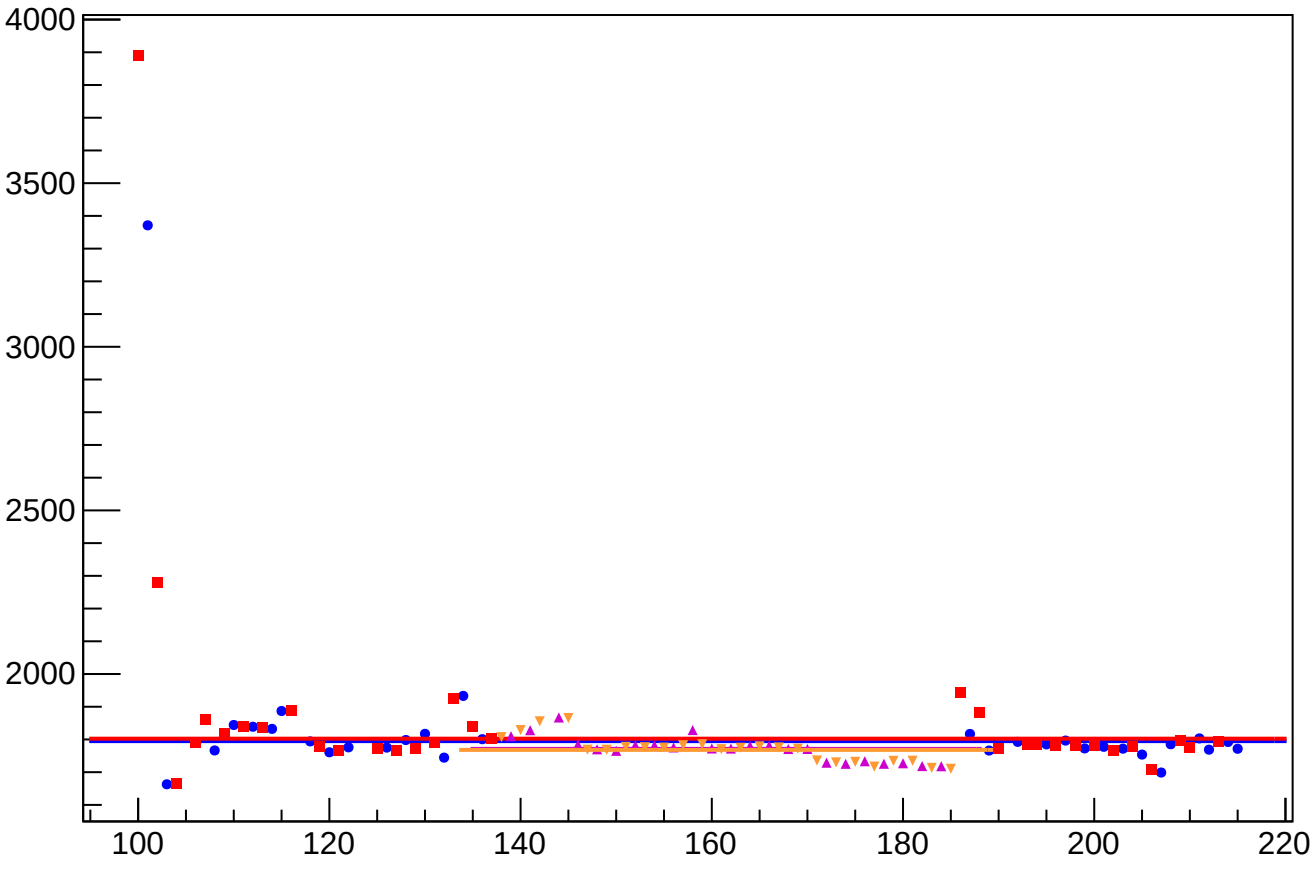
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -236.239+/-293.517 χ^2/NDF: 44.3/62

In: -510.819+/-291.325 χ^2/NDF:43.7/53

Out: -374.892+/-293.544 χ^2/NDF:54.5/55

All: -443.371+/-206.778 χ^2/NDF: 98.4/109



Right In: 1794.939+/-0.290 χ^2/NDF: 310012.7/30

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1802.396+/-0.297 χ^2/NDF: 121926.1/31

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

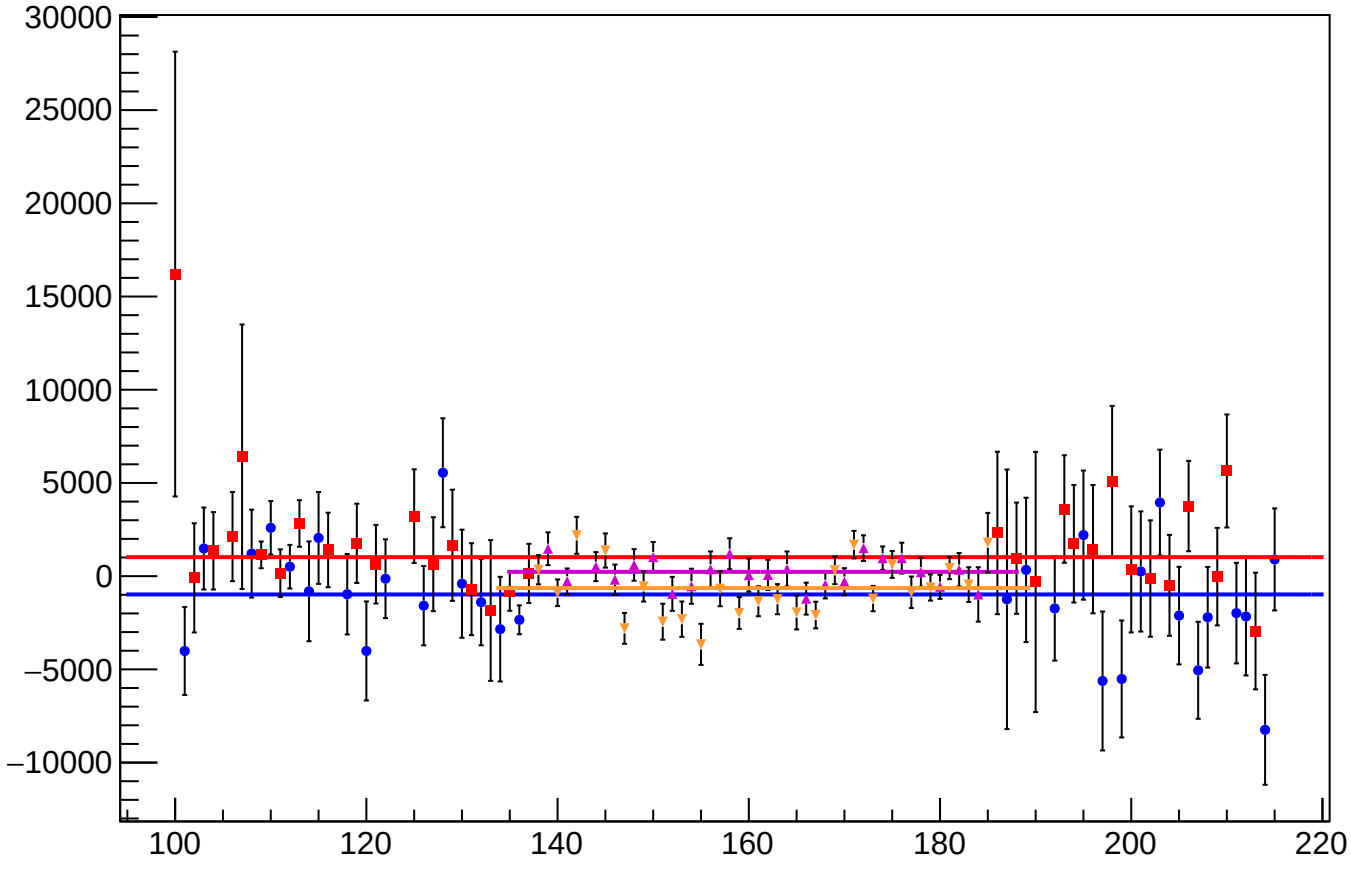
Right: 1798.581+/-0.208 χ^2/NDF: 432261.3/62

In: 1783.172+/-0.206 χ^2/NDF:329753.4/53

Out: 1784.867+/-0.208 χ^2/NDF:145095.7/55

All: 1784.013+/-0.146 χ^2/NDF: 474882.7/109

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -981.152+/-385.855 χ^2/NDF: 40.8/30

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1019.603+/-357.585 χ^2/NDF: 18.4/31

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

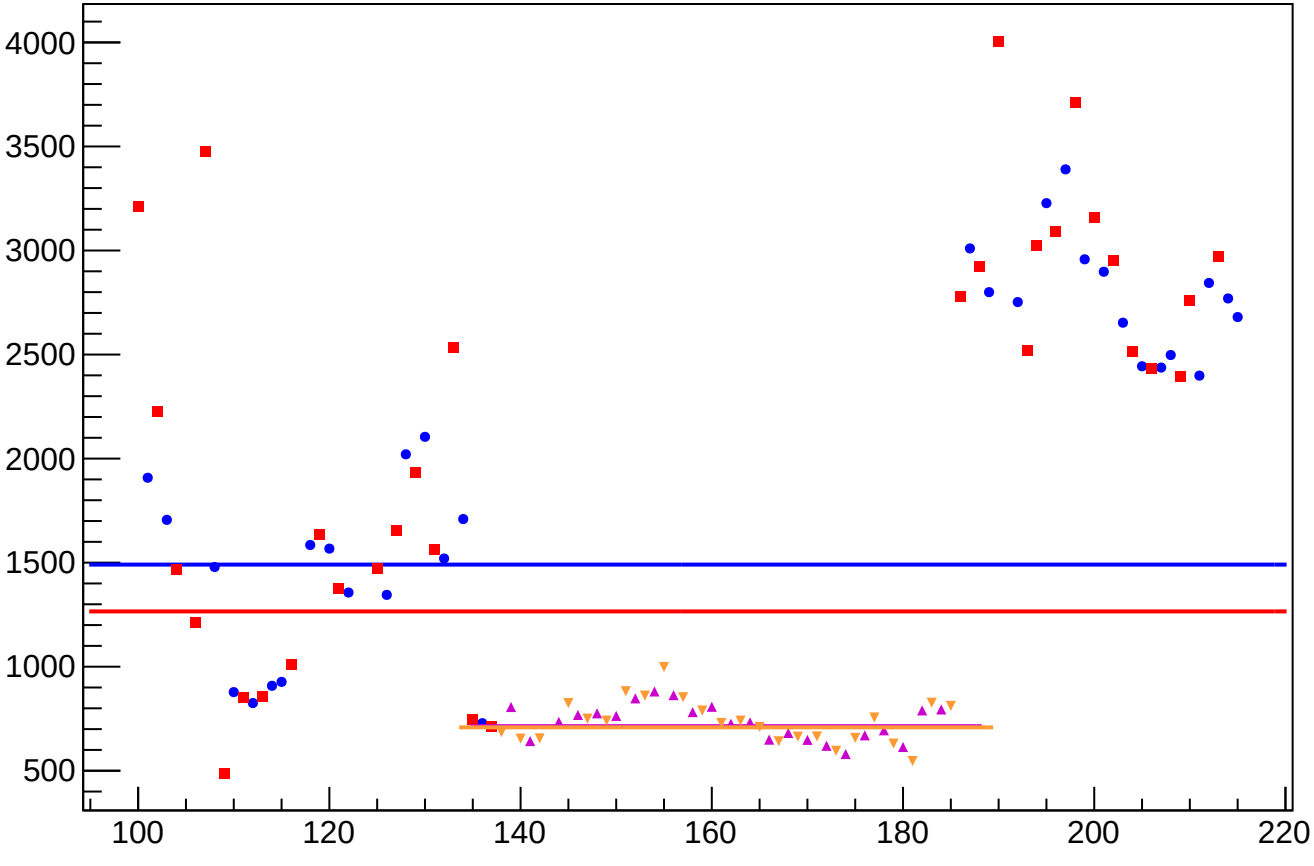
Right: 95.196+/-262.276 χ^2/NDF: 73.7/62

In: 36.851+/-154.280 χ^2/NDF:69.0/53

Out: -345.269+/-150.903 χ^2/NDF:102.8/55

All: -158.437+/-107.879 χ^2/NDF: 175.0/109

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1490.614+/-0.273 χ^2/NDF: 8484109.6/30

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1265.633+/-0.253 χ^2/NDF: 11518923.2/31

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

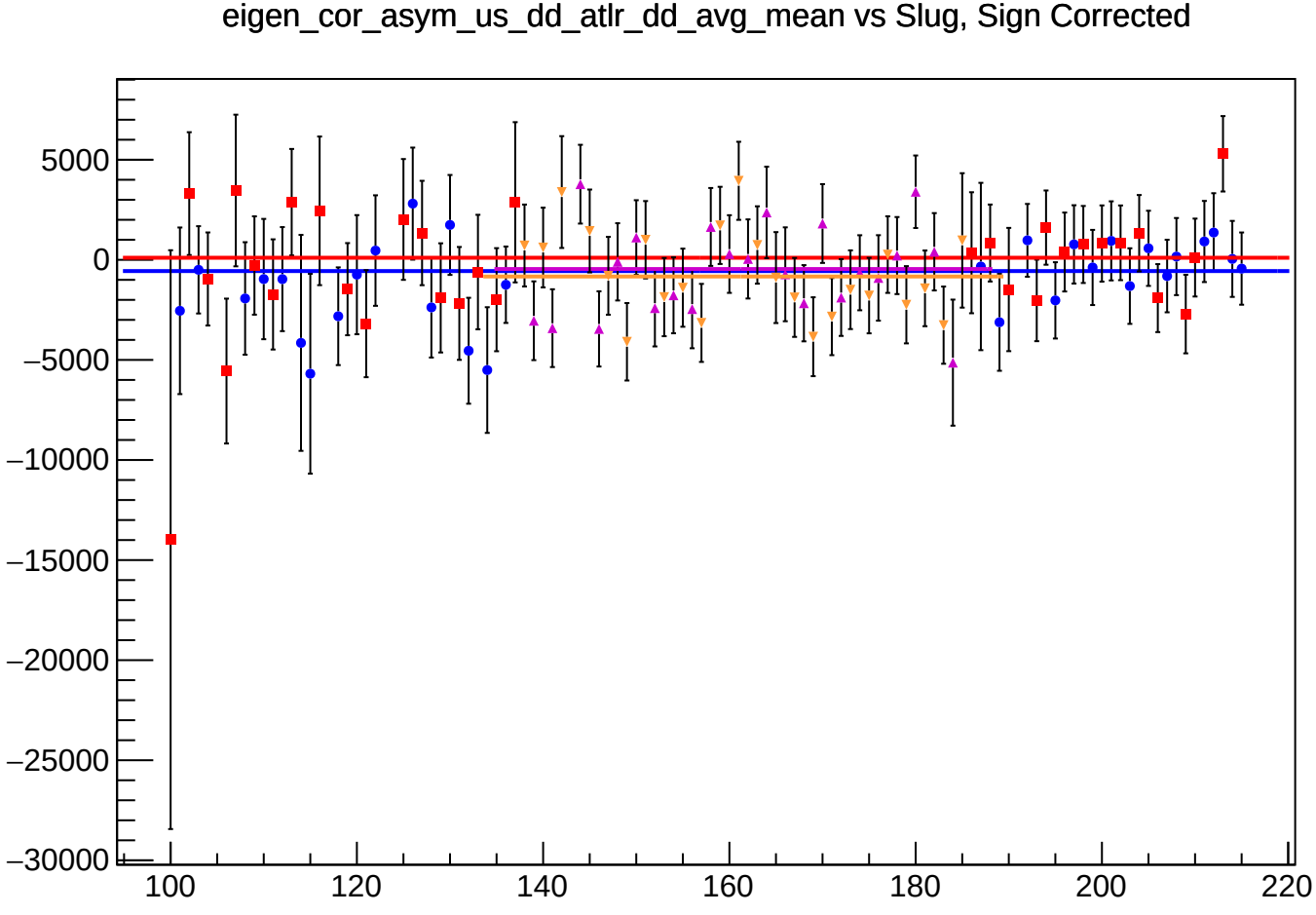
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1369.580+/-0.185 χ^2/NDF: 20368823.7/62

In: 838.300+/-0.109 χ^2/NDF:15785143.2/53

Out: 807.726+/-0.107 χ^2/NDF:16209629.8/55

All: 822.675+/-0.076 χ^2/NDF: 32034914.0/10



Right In: -561.278+/-410.374 χ^2/NDF: 16.5/30

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 104.205+/-419.986 χ^2/NDF: 26.5/31

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

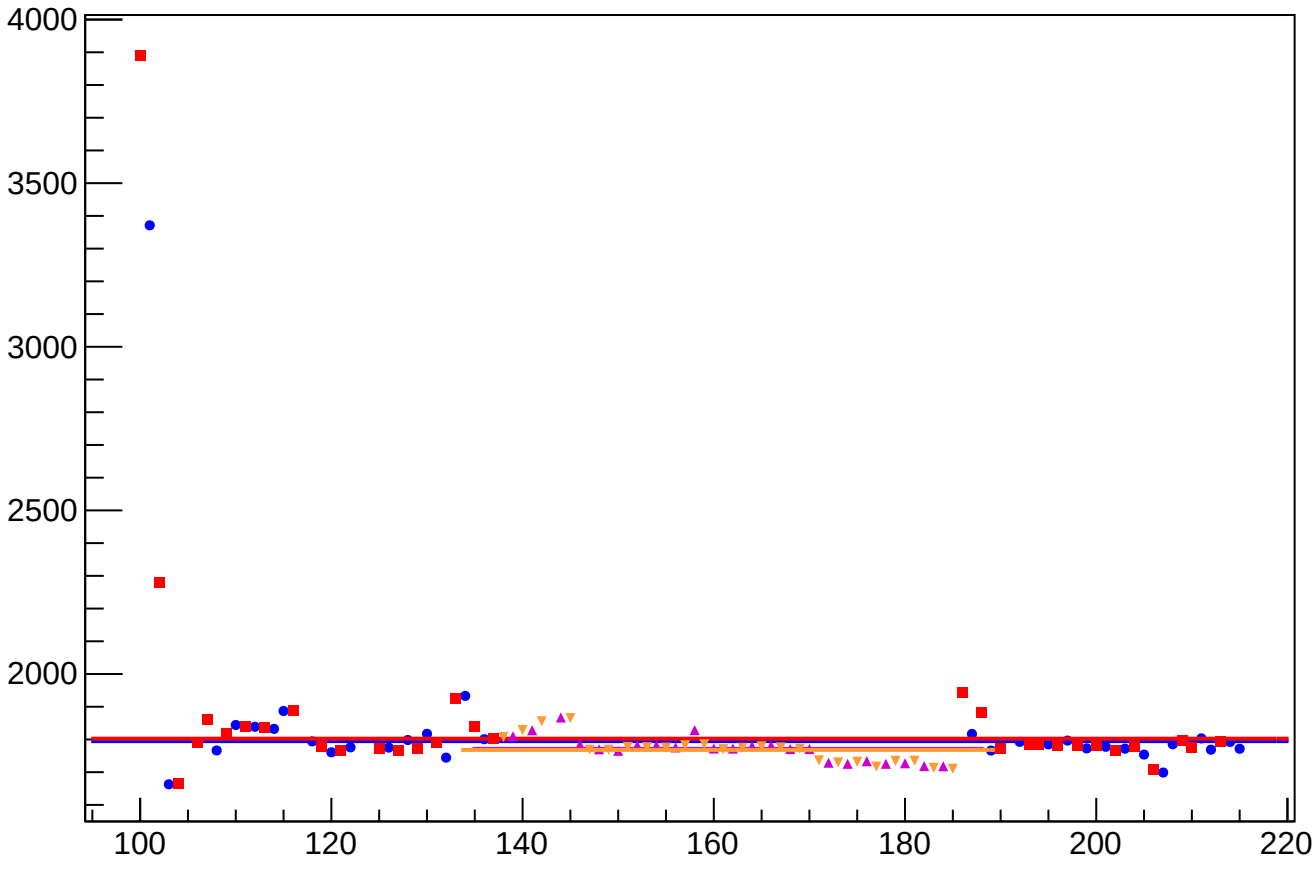
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -236.239+/-293.517 χ^2/NDF: 44.3/62

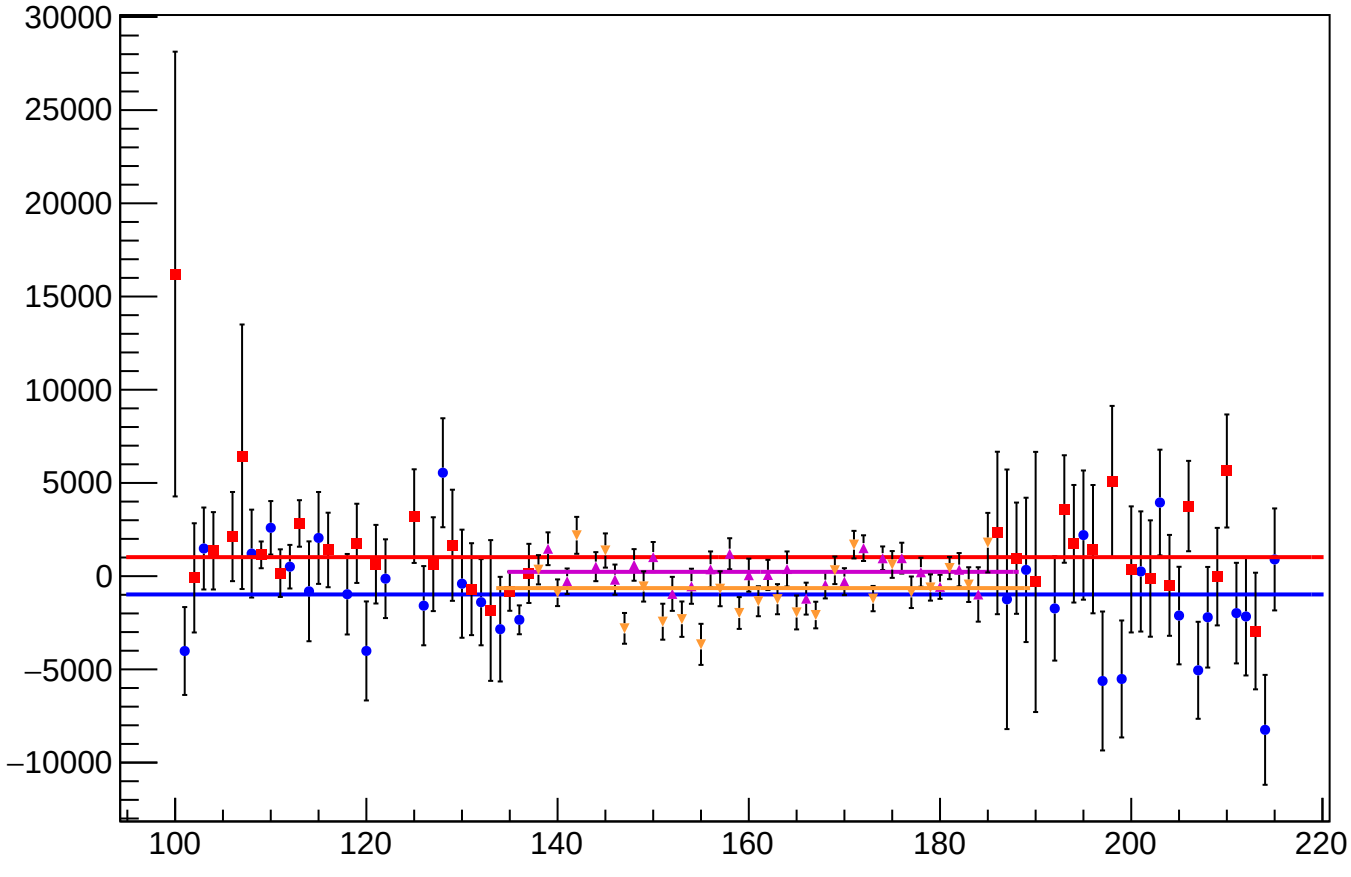
In: -510.819+/-291.325 χ^2/NDF:43.7/53

Out: -374.892+/-293.544 χ^2/NDF:54.5/55

All: -443.371+/-206.778 χ^2/NDF: 98.4/109


eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
120
140
160
180
200
220
Right In: 1794.939+/-0.290 χ²/NDF: 310012.7/30
Left Out: 1768.125+/-0.290 χ²/NDF:16358.2/23
Right Out: 1802.396+/-0.297 χ²/NDF: 121926.1/31
Left In: 1771.217+/-0.292 χ²/NDF:16425.7/22
Left: 1769.659+/-0.206 χ²/NDF: 32840.2/46
Right: 1798.581+/-0.208 χ²/NDF: 432261.3/62
In: 1783.172+/-0.206 χ²/NDF:329753.4/53
Out: 1784.867+/-0.208 χ²/NDF:145095.7/55
All: 1784.013+/-0.146 χ²/NDF: 474882.7/109

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -981.152+/-385.855 χ^2/NDF: 40.8/30

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1019.603+/-357.585 χ^2/NDF: 18.4/31

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

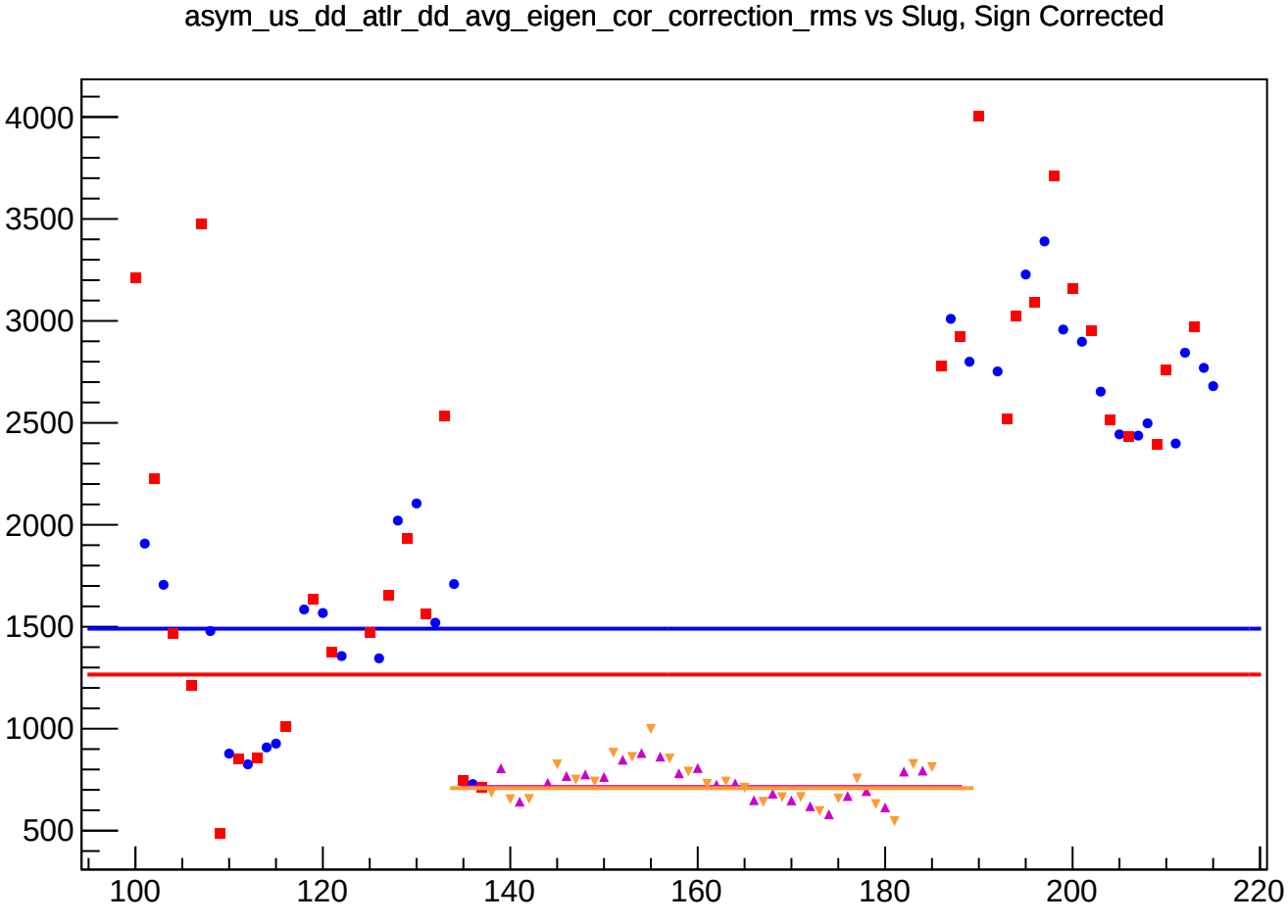
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 95.196+/-262.276 χ^2/NDF: 73.7/62

In: 36.851+/-154.280 χ^2/NDF:69.0/53

Out: -345.269+/-150.903 χ^2/NDF:102.8/55

All: -158.437+/-107.879 χ^2/NDF: 175.0/109



Right In: 1490.614+/-0.273 χ^2/NDF: 8484109.6/30

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1265.633+/-0.253 χ^2/NDF: 11518923.2/31

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

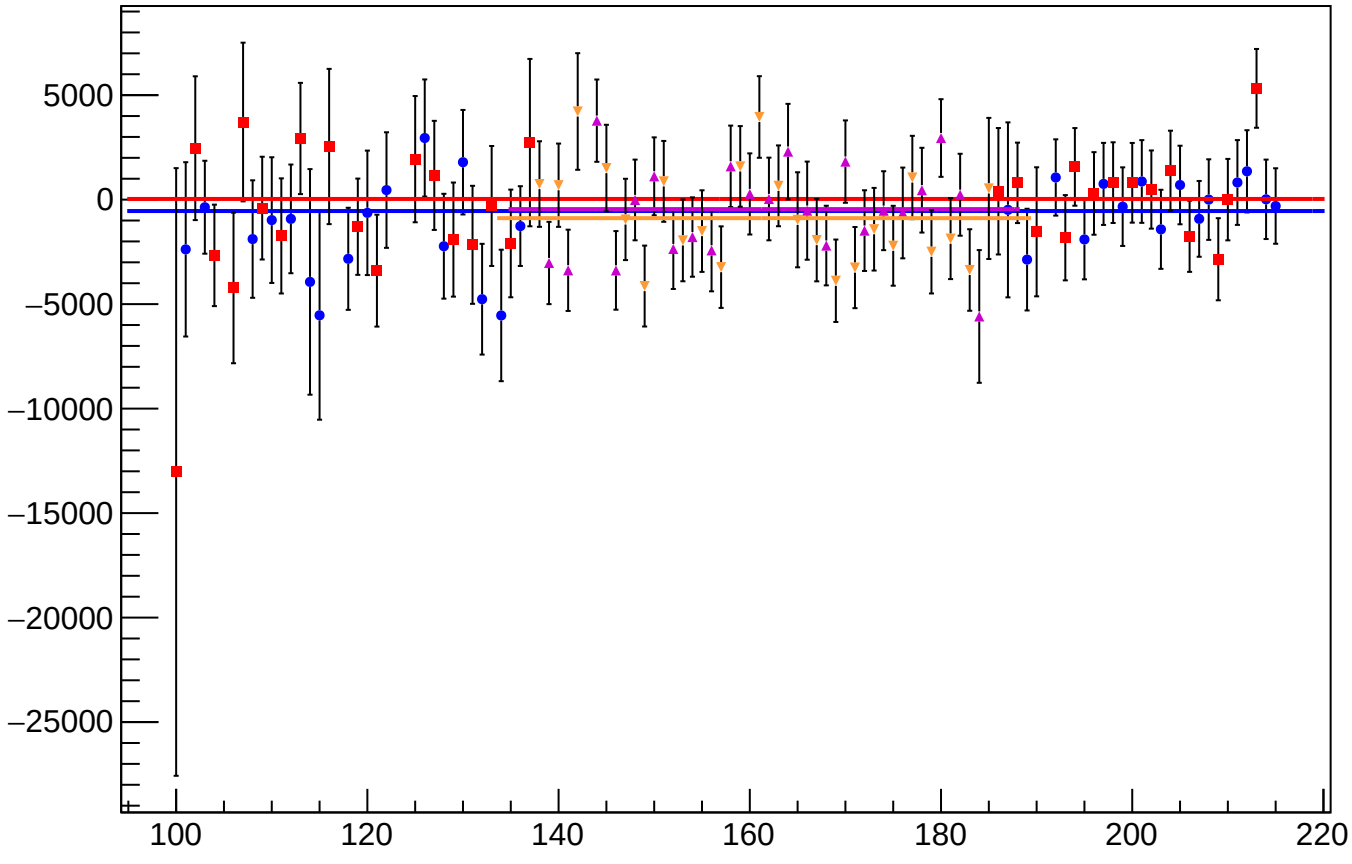
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1369.580+/-0.185 χ^2/NDF: 20368823.7/62

In: 838.300+/-0.109 χ^2/NDF:15785143.2/53

Out: 807.726+/-0.107 χ^2/NDF:16209629.8/55

All: 822.675+/-0.076 χ^2/NDF: 32034914.0/10



Right In: -545.796+/-411.224 χ^2/NDF: 16.4/30

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 32.725+/-421.978 χ^2/NDF: 25.8/31

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

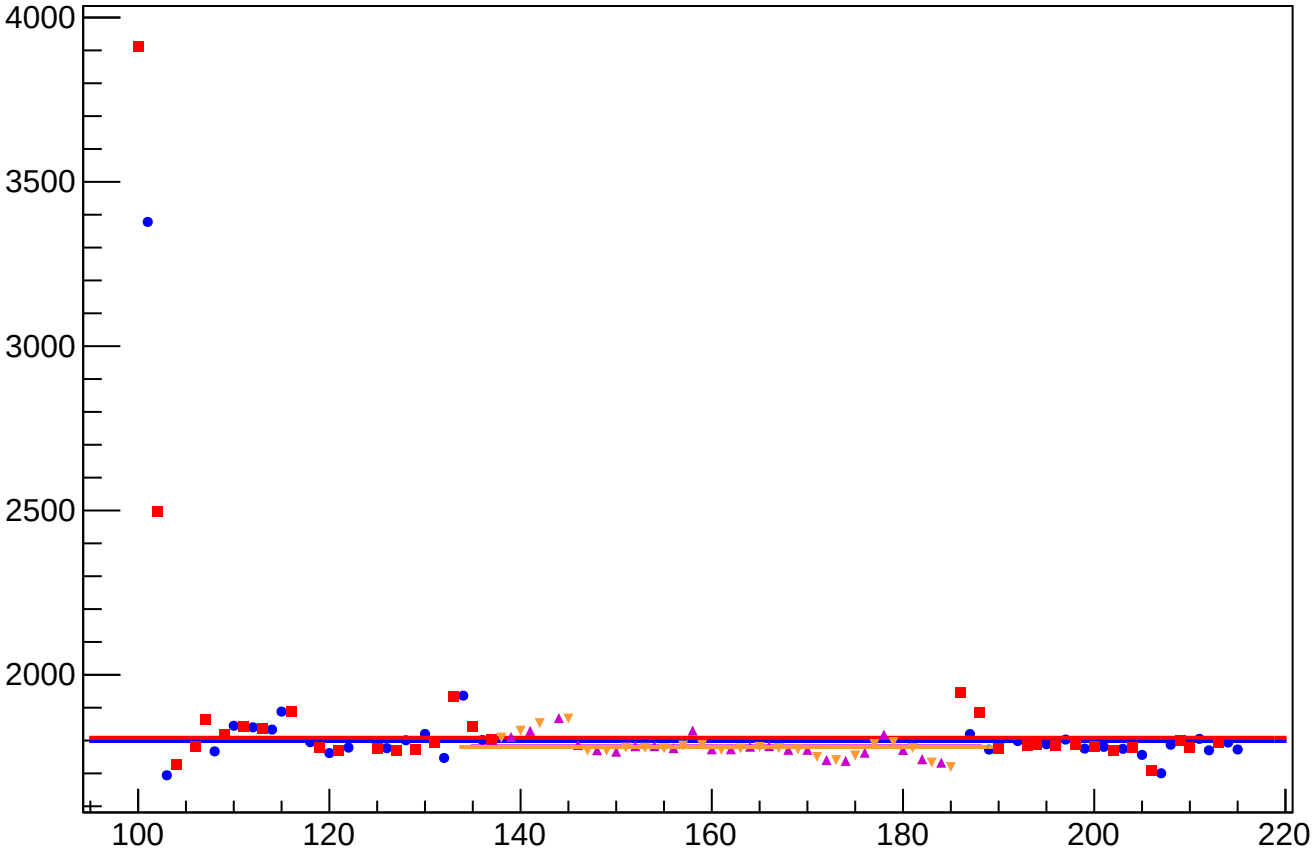
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -264.002+/-294.508 χ^2/NDF: 43.1/62

In: -500.073+/-292.523 χ^2/NDF:42.2/53

Out: -436.443+/-295.241 χ^2/NDF:56.3/55

All: -468.553+/-207.799 χ^2/NDF: 98.6/109



Right In: 1798.678+/-0.291 χ^2/NDF: 307467.5/30

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1808.486+/-0.298 χ^2/NDF: 149787.3/31

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

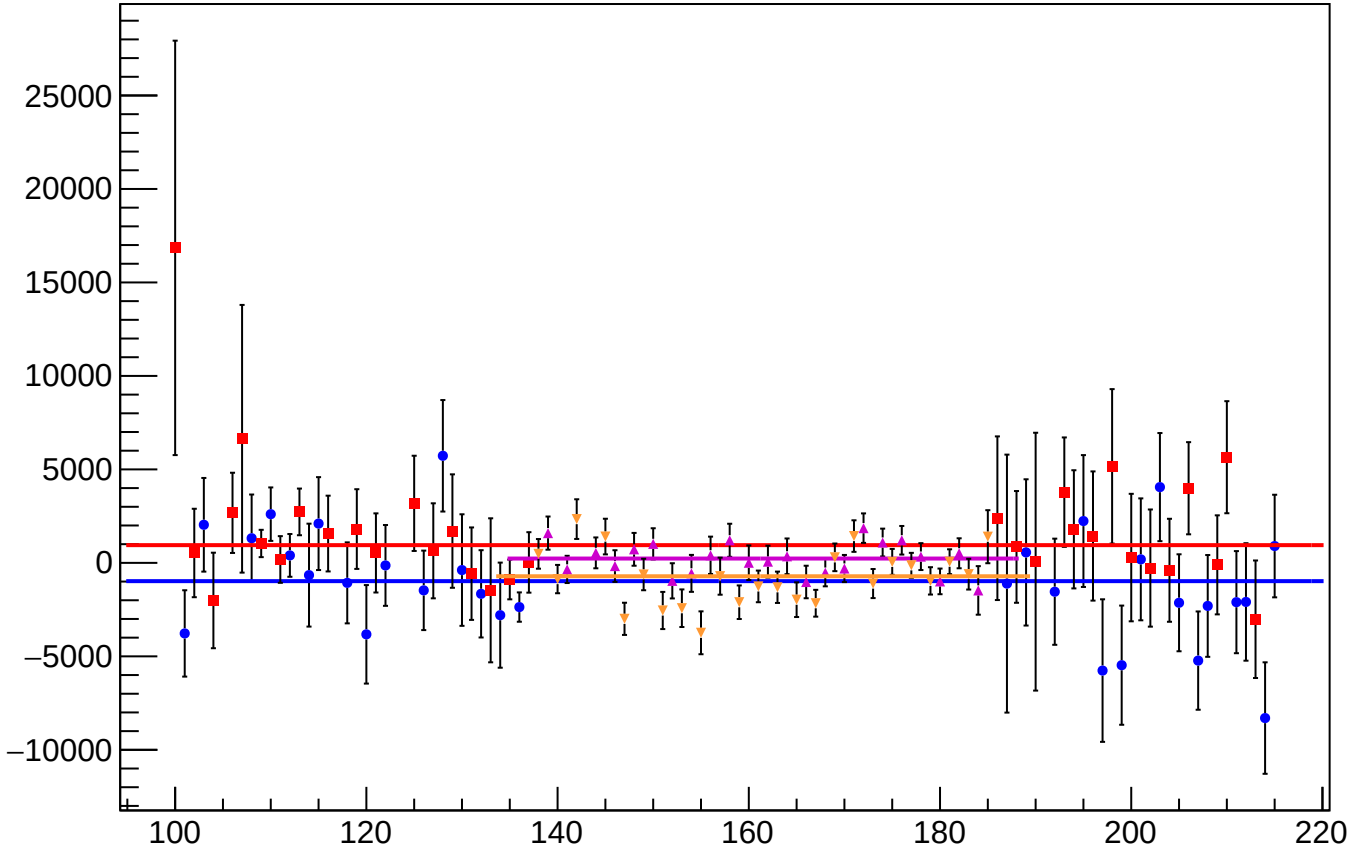
Right: 1803.456+/-0.208 χ^2/NDF: 457808.9/62

In: 1790.587+/-0.207 χ^2/NDF:320267.1/53

Out: 1794.057+/-0.209 χ^2/NDF:164748.3/55

All: 1792.306+/-0.147 χ^2/NDF: 485154.8/109

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -977.301+/-388.954 χ^2/NDF: 40.8/30

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 948.424+/-359.846 χ^2/NDF: 20.7/31

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

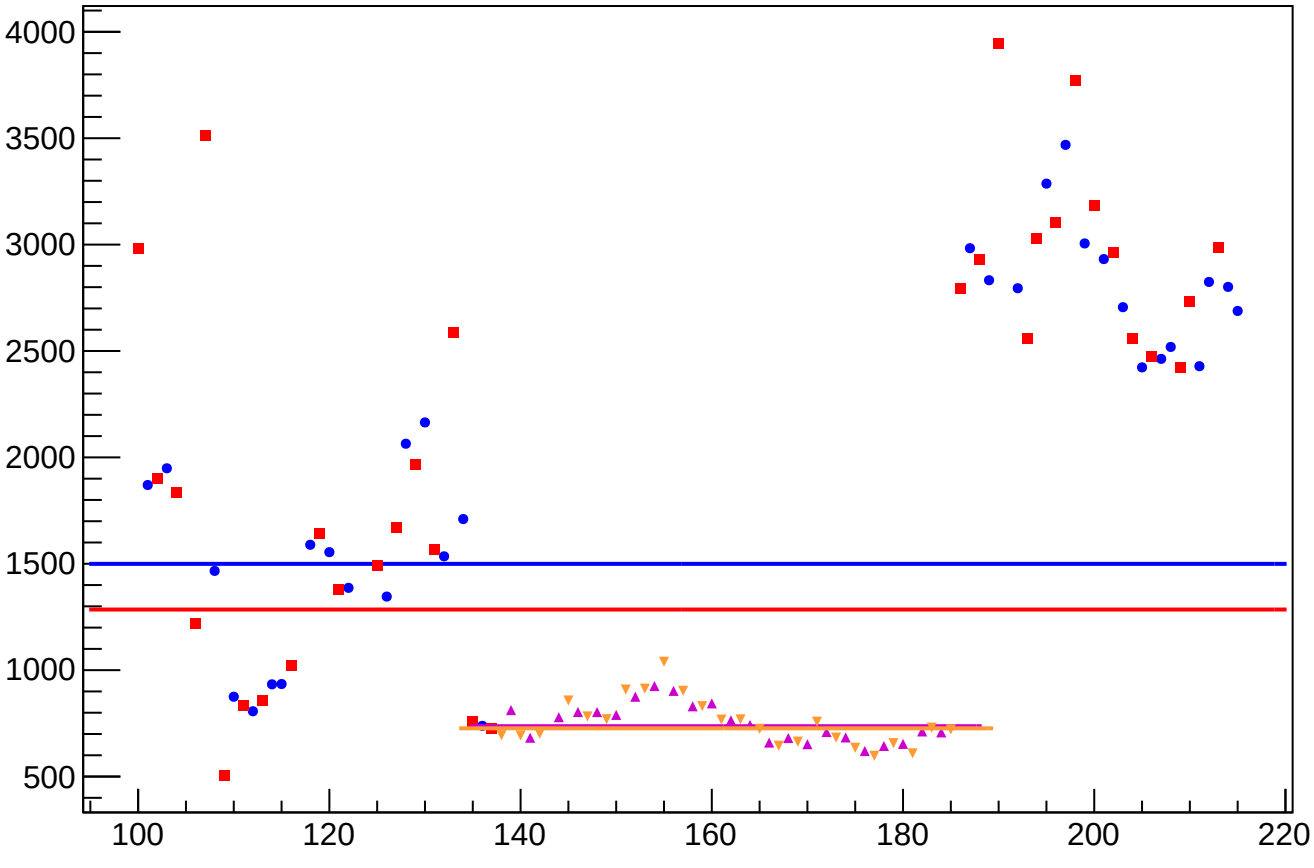
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

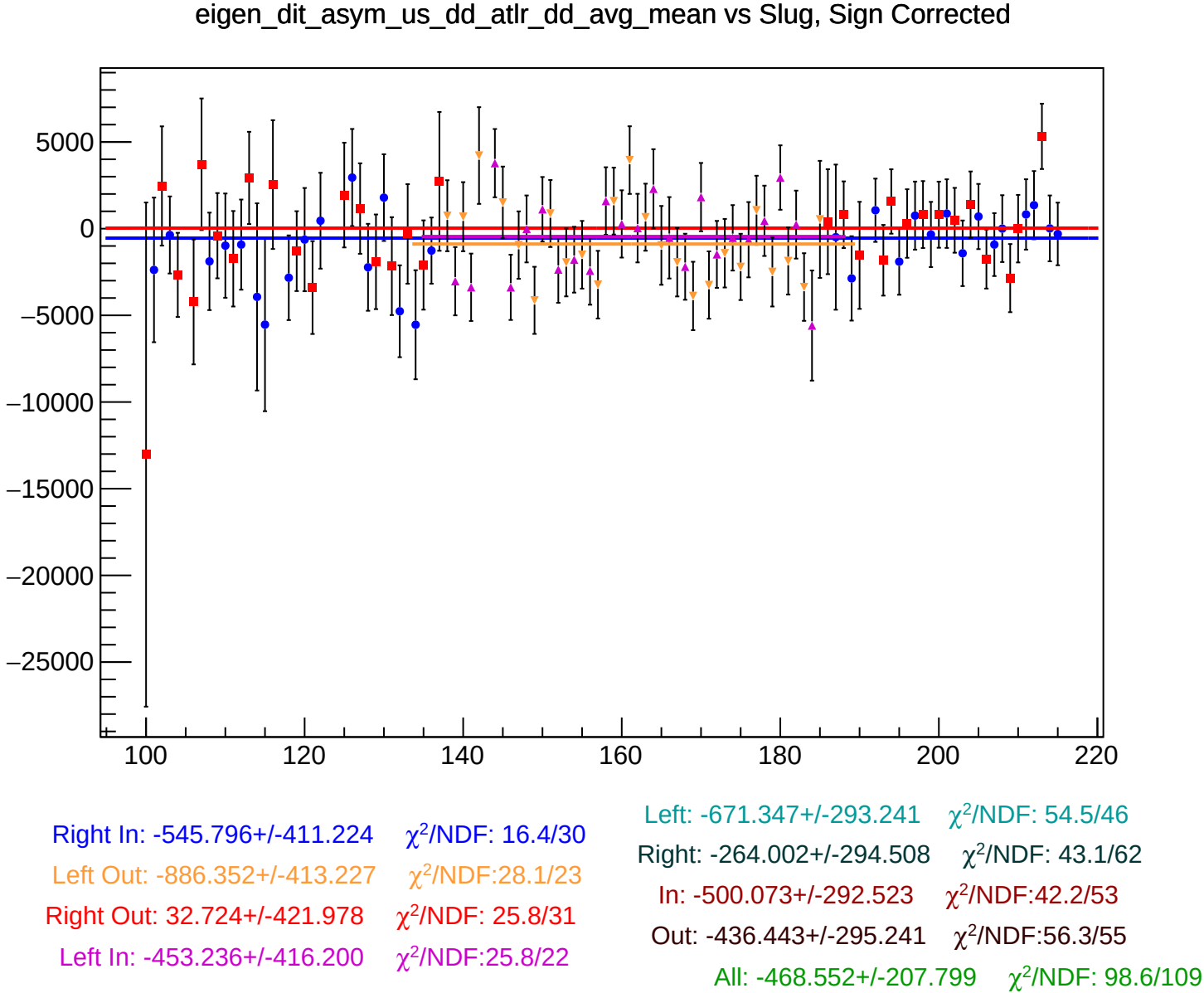
Right: 60.308+/-264.141 χ^2/NDF: 74.8/62

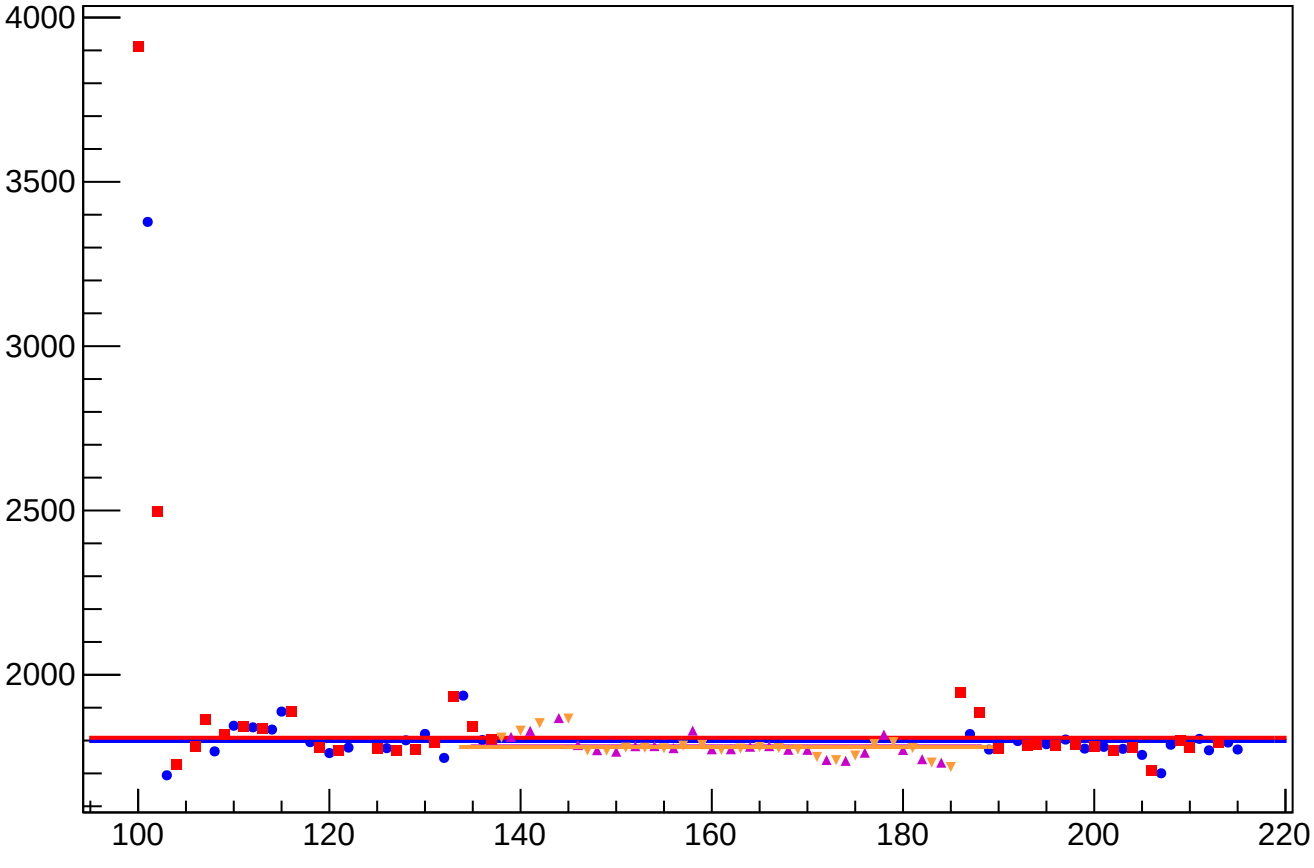
In: 30.867+/-158.402 χ^2/NDF:73.0/53

Out: -411.035+/-154.155 χ^2/NDF:97.6/55

All: -196.087+/-110.475 χ^2/NDF: 174.5/109


asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1499.587+/-0.275 χ²/NDF: 8619770.8/30
Left Out: 726.604+/-0.121 χ²/NDF:684784.1/23
Right Out: 1285.015+/-0.254 χ²/NDF: 11403850.5/31
Left In: 736.709+/-0.123 χ²/NDF:465041.6/22
Left: 731.574+/-0.086 χ²/NDF: 1153276.2/46
Right: 1383.972+/-0.187 χ²/NDF: 20351579.2/62
In: 863.235+/-0.112 χ²/NDF:15502599.3/53
Out: 829.084+/-0.109 χ²/NDF:16020959.0/55
All: 845.695+/-0.078 χ²/NDF: 31571303.2/10


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -545.796+/-411.224 χ²/NDF: 16.4/30
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: 32.724+/-421.978 χ²/NDF: 25.8/31
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -264.002+/-294.508 χ²/NDF: 43.1/62
In: -500.073+/-292.523 χ²/NDF:42.2/53
Out: -436.443+/-295.241 χ²/NDF:56.3/55
All: -468.552+/-207.799 χ²/NDF: 98.6/109



Right In: 1798.678+/-0.291 χ^2/NDF: 307467.4/30

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1808.486+/-0.298 χ^2/NDF: 149787.3/31

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

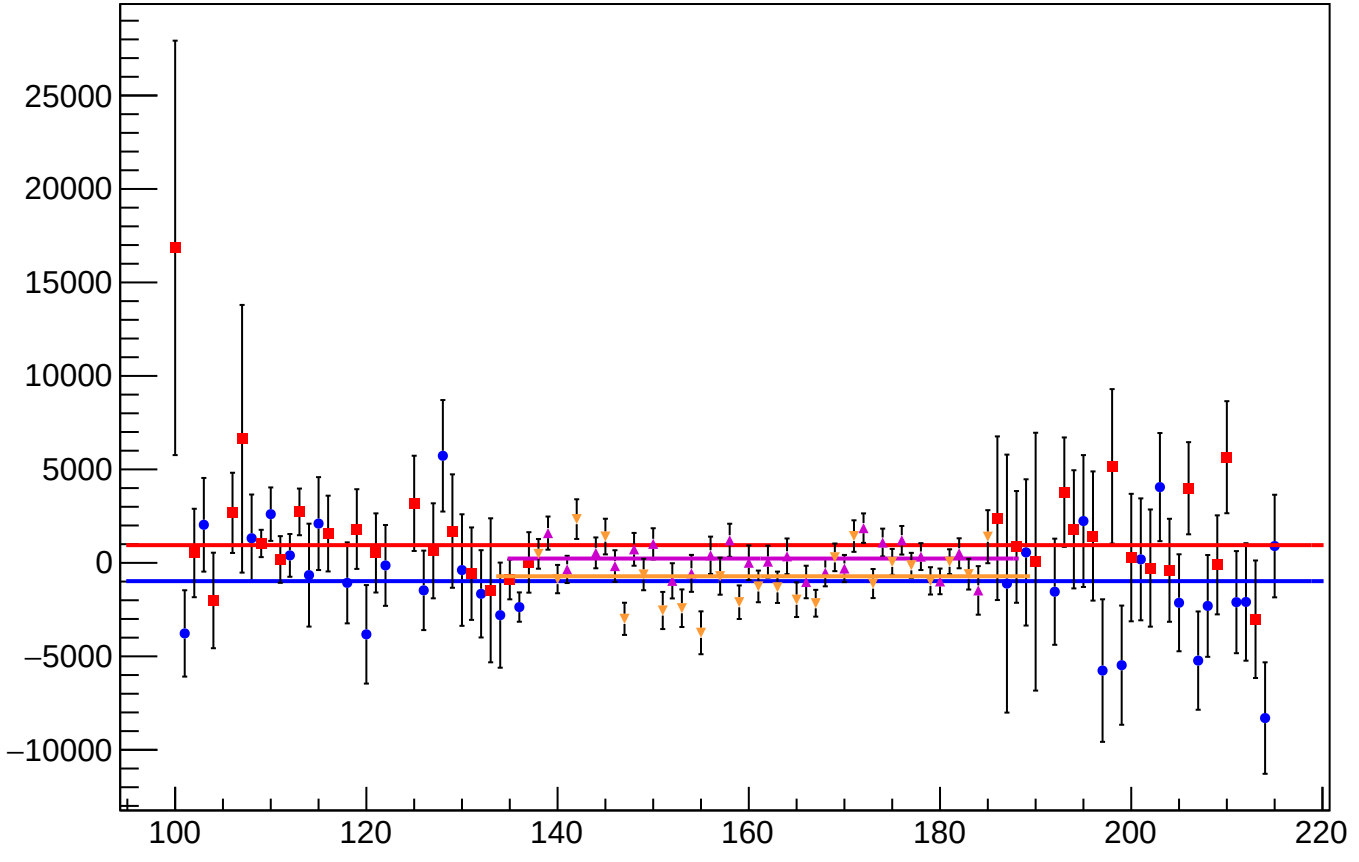
Right: 1803.456+/-0.208 χ^2/NDF: 457808.9/62

In: 1790.587+/-0.207 χ^2/NDF:320267.1/53

Out: 1794.057+/-0.209 χ^2/NDF:164748.4/55

All: 1792.306+/-0.147 χ^2/NDF: 485155.0/109

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -977.291+/-388.955 χ^2/NDF: 40.8/30

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 948.430+/-359.846 χ^2/NDF: 20.7/31

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

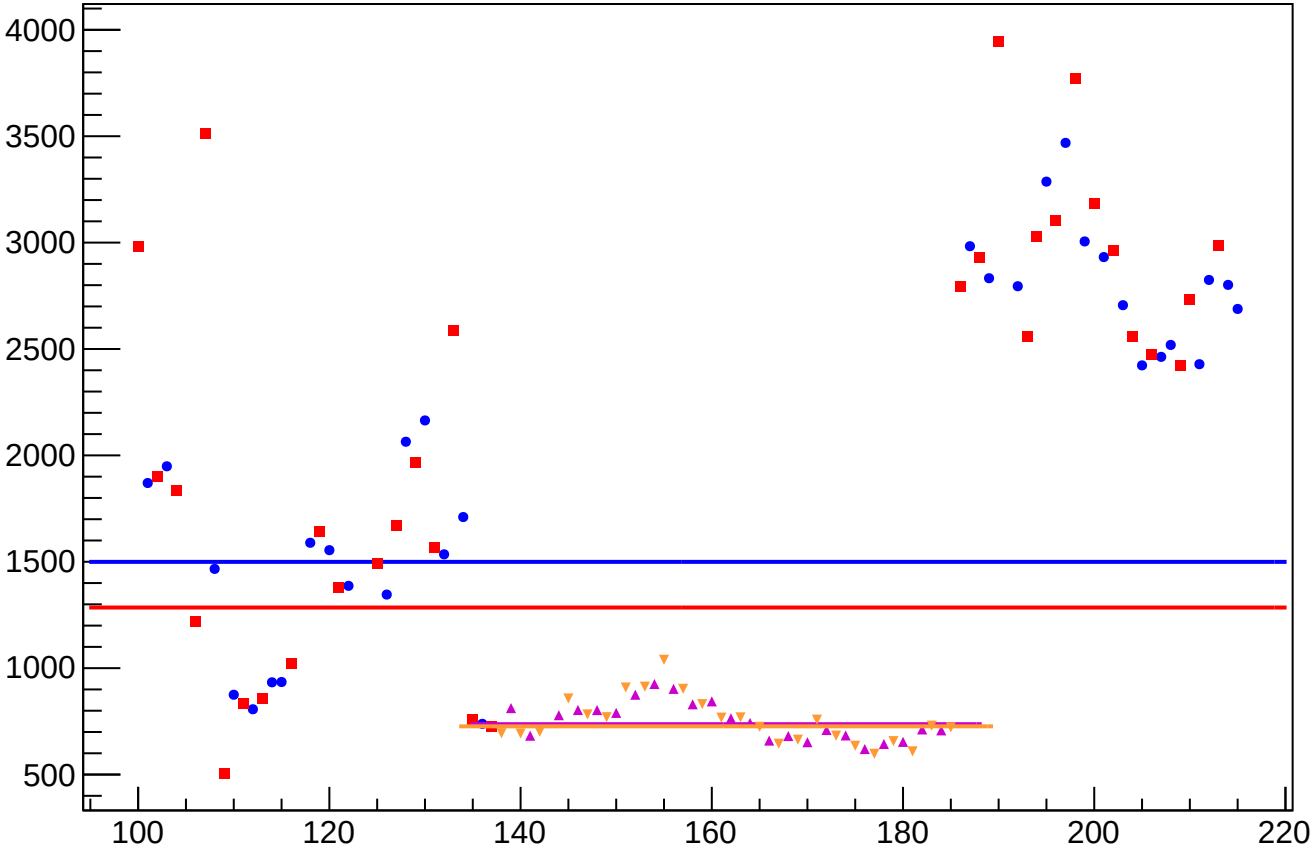
Right: 60.315+/-264.142 χ^2/NDF: 74.8/62

In: 30.868+/-158.402 χ^2/NDF:73.0/53

Out: -411.035+/-154.155 χ^2/NDF:97.6/55

All: -196.086+/-110.475 χ^2/NDF: 174.5/109

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1499.590+/-0.275 χ^2/NDF: 8619713.3/30

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1285.017+/-0.254 χ^2/NDF: 11403808.8/31

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

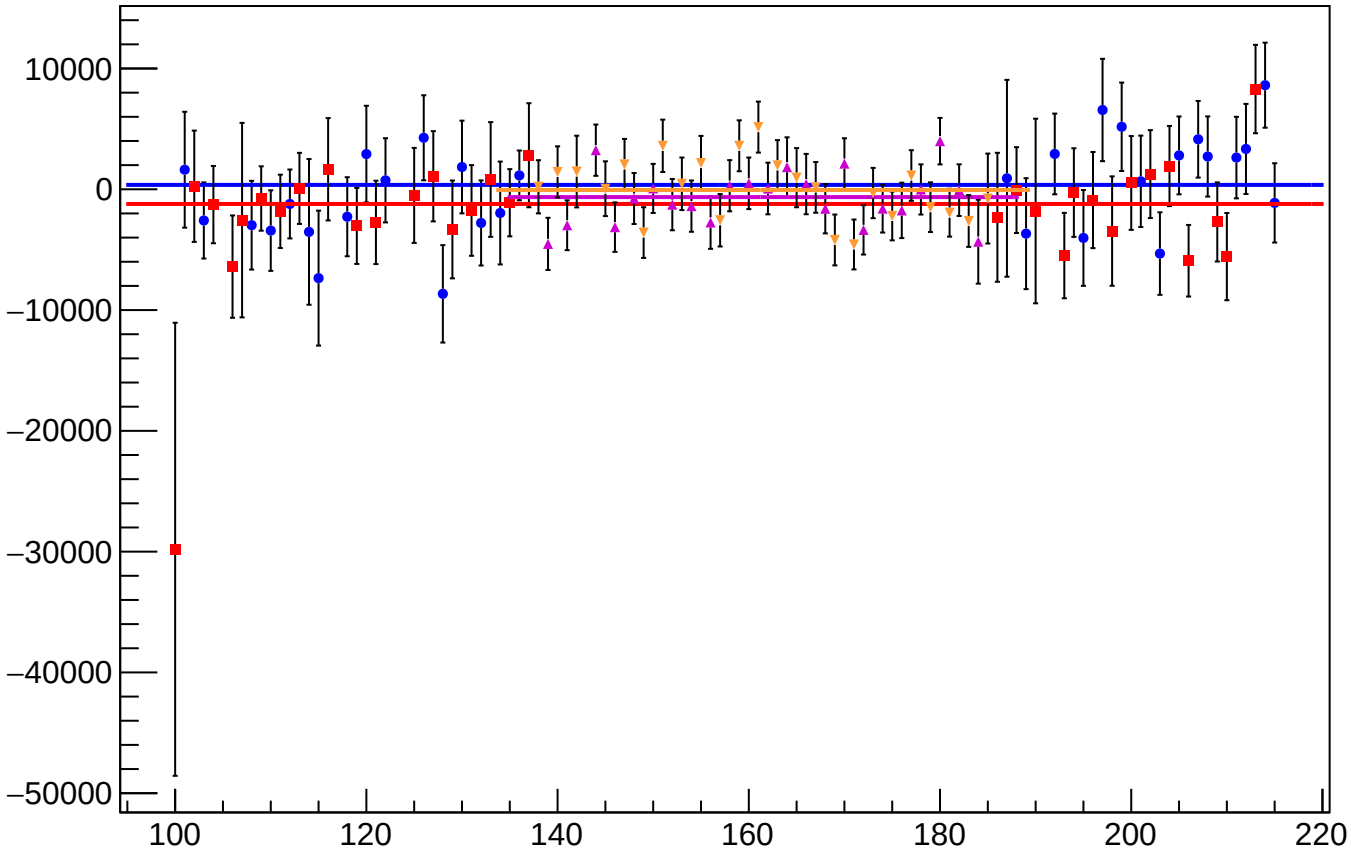
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1383.975+/-0.187 χ^2/NDF: 20351480.1/62

In: 863.234+/-0.112 χ^2/NDF:15502602.3/53

Out: 829.084+/-0.109 χ^2/NDF:16020939.0/55

All: 845.695+/-0.078 χ^2/NDF: 31571283.8/10



Right In: 363.447+/-641.428 χ^2/NDF: 32.9/30

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1214.874+/-658.138 χ^2/NDF: 21.4/31

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

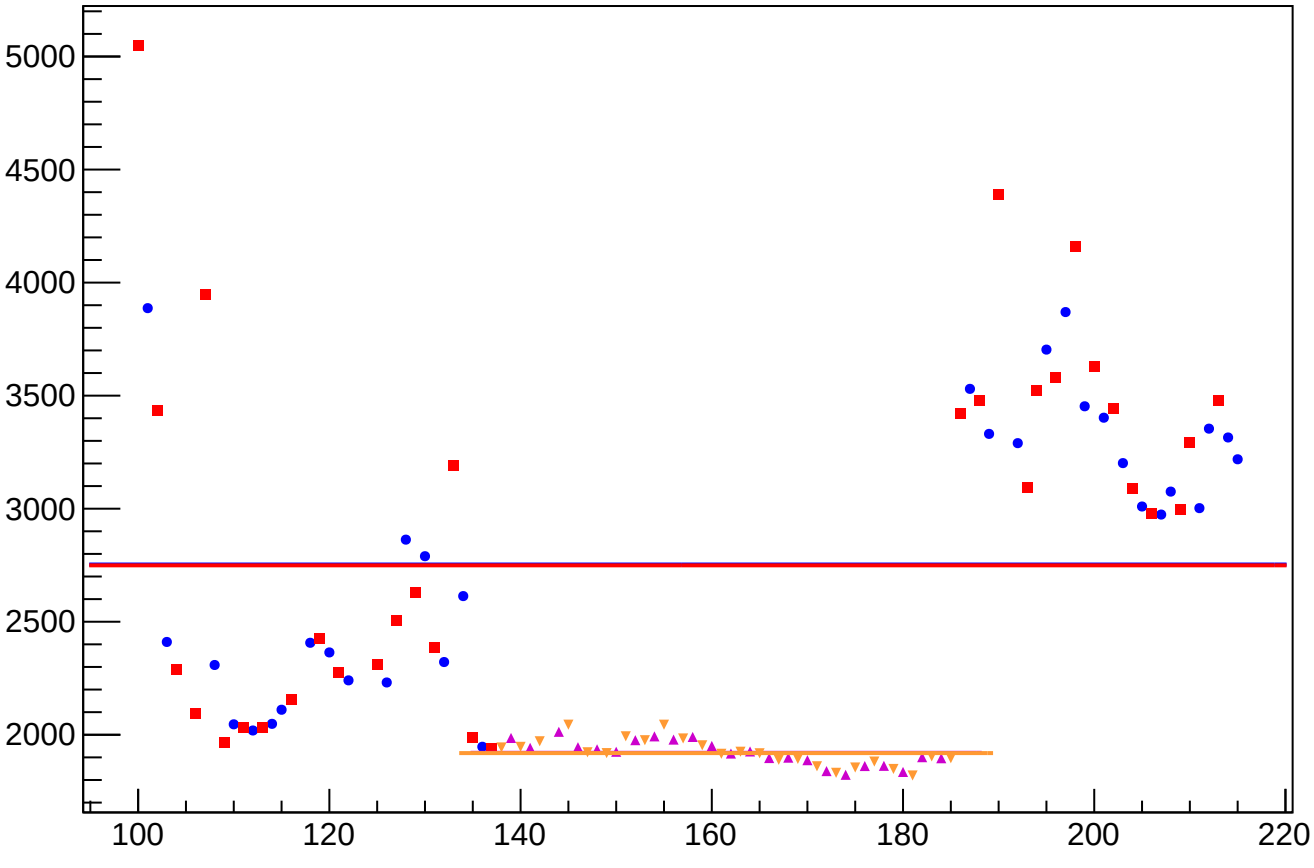
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -405.422+/-459.352 χ^2/NDF: 57.2/62

In: -315.103+/-367.581 χ^2/NDF:58.2/53

Out: -422.723+/-368.983 χ^2/NDF:56.5/55

All: -368.708+/-260.413 χ^2/NDF: 114.8/109



Right In: 2753.066+/-0.454 χ^2/NDF: 1625194.5/30

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2749.454+/-0.465 χ^2/NDF: 1943340.0/31

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

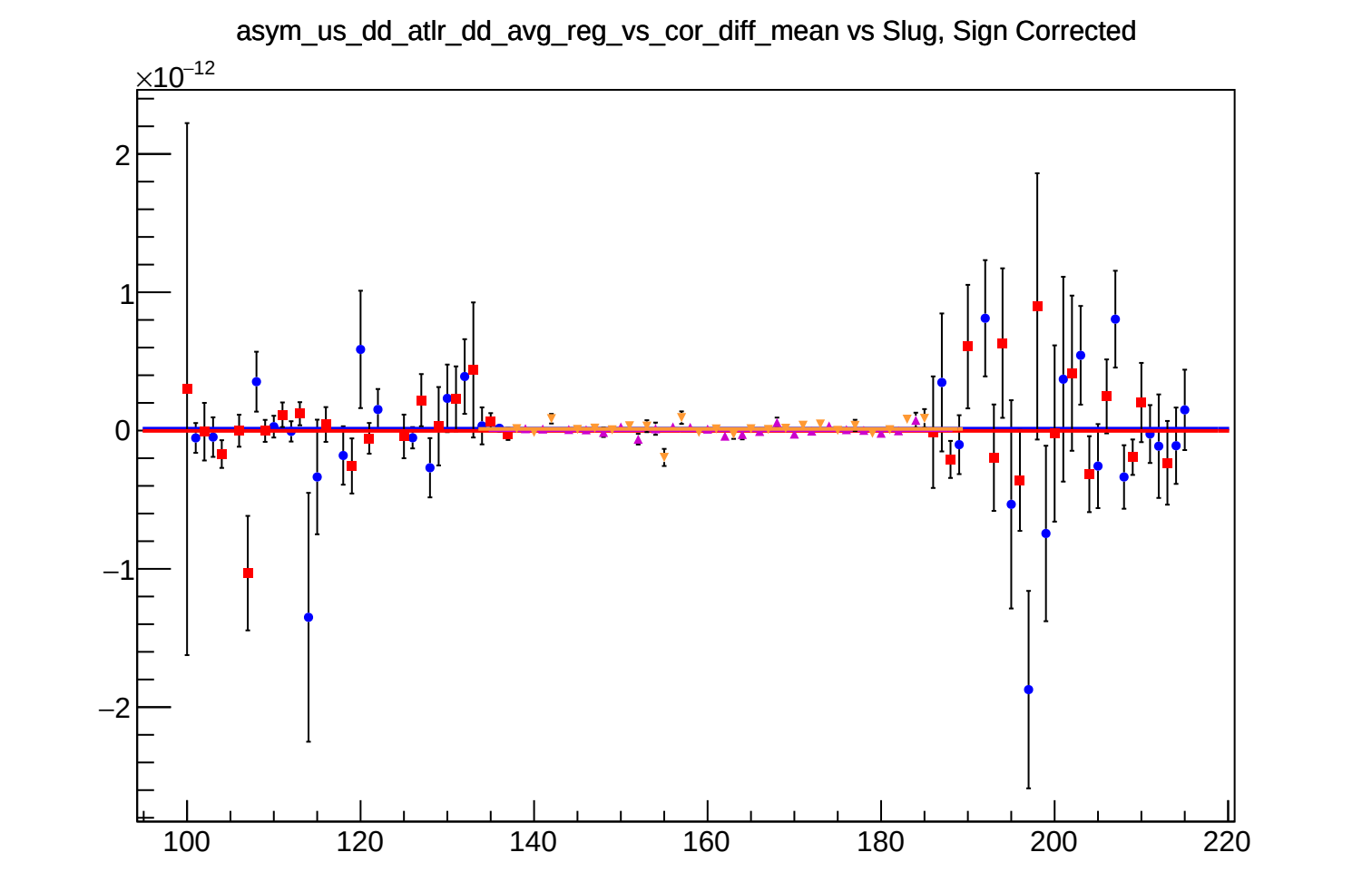
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2751.307+/-0.325 χ^2/NDF: 3568565.4/62

In: 2193.728+/-0.260 χ^2/NDF:3919637.5/53

Out: 2180.017+/-0.261 χ^2/NDF:4162525.8/55

All: 2186.899+/-0.184 χ^2/NDF: 8083549.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/31

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

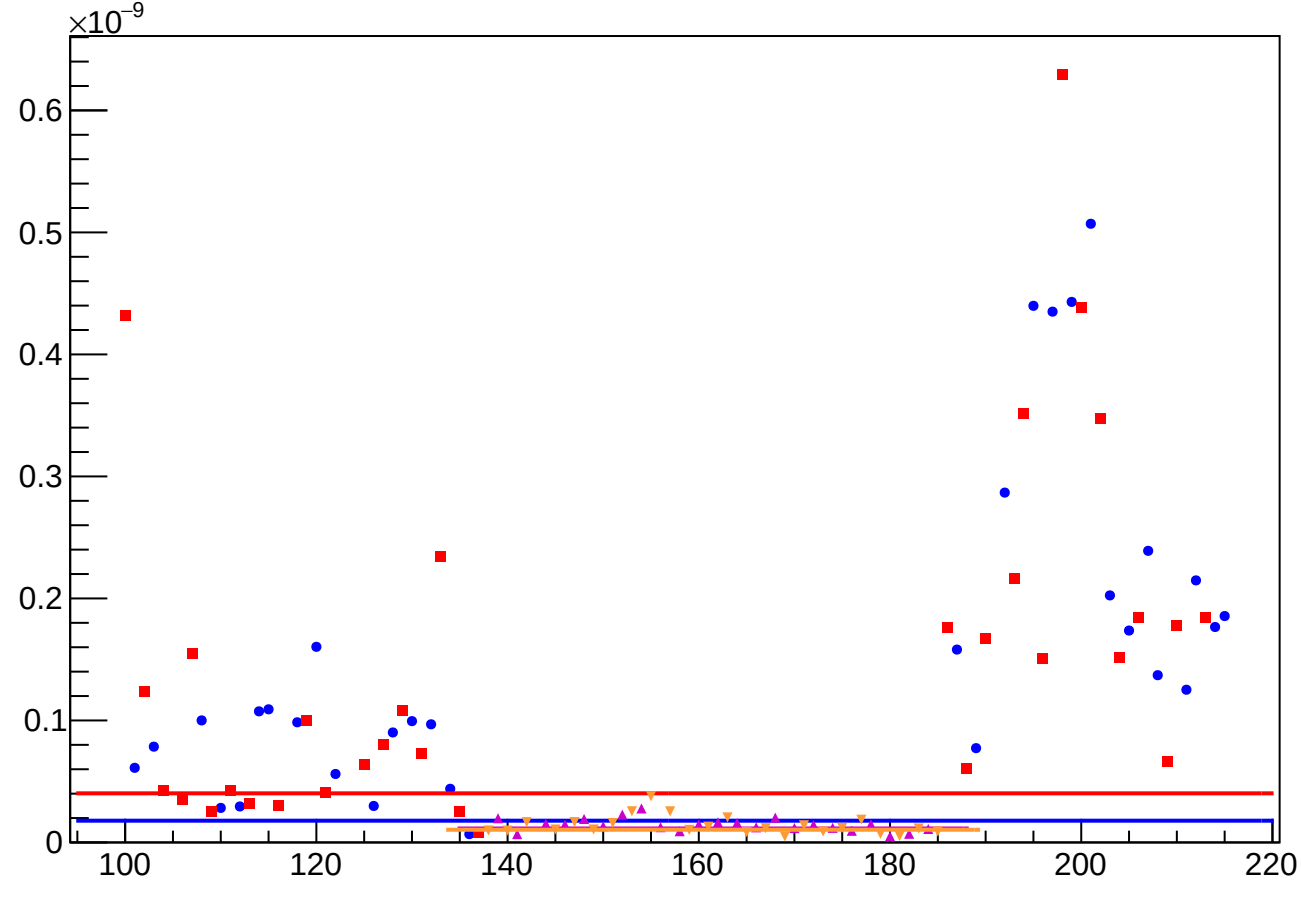
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 73.4/62

In: 0.000+/-0.000 χ^2/NDF:59.6/53

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 132.7/109



Right In: 0.000+/-0.000 χ^2/NDF: 12629396.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8412981.1/31

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

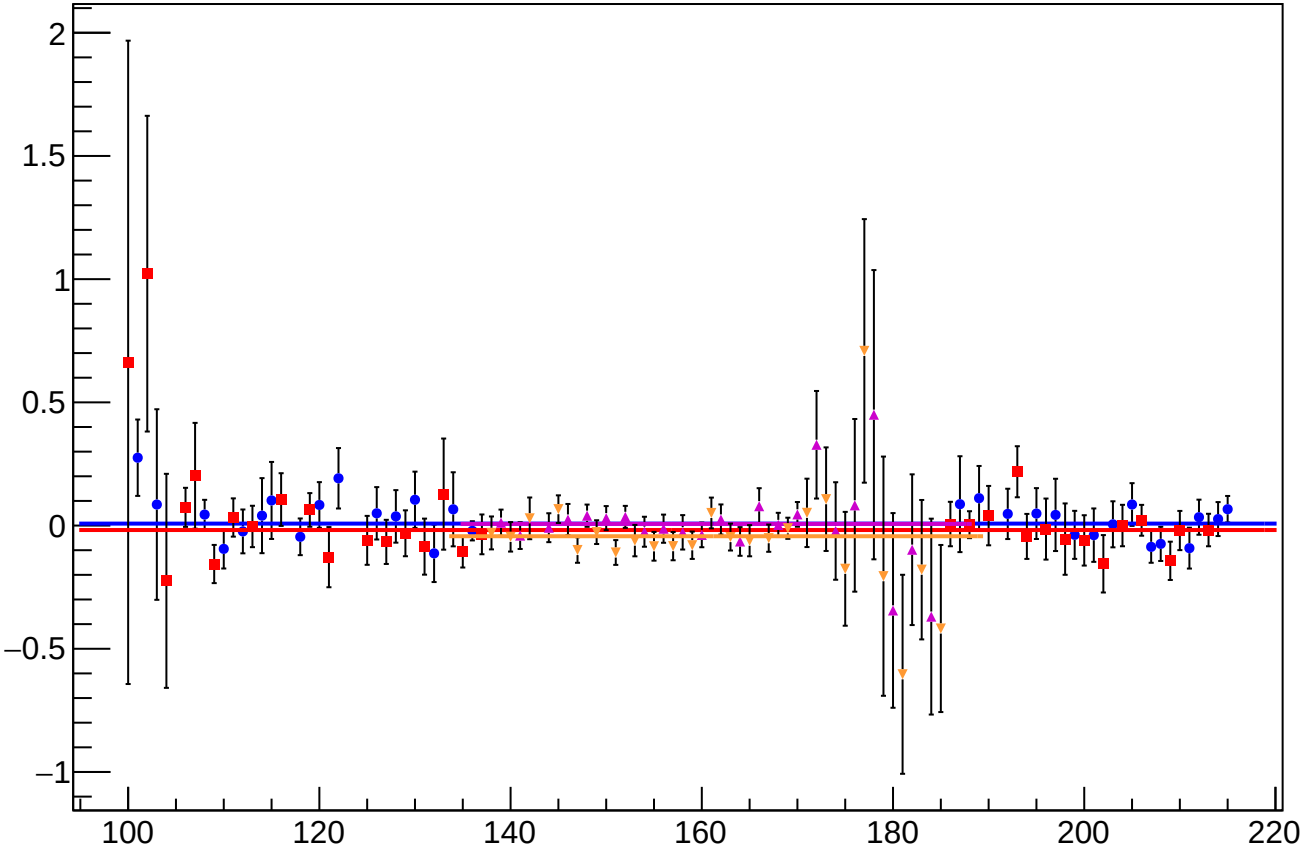
Right: 0.000+/-0.000 χ^2/NDF: 22460139.7/62

In: 0.000+/-0.000 χ^2/NDF:14900711.5/53

Out: 0.000+/-0.000 χ^2/NDF:13778183.0/55

All: 0.000+/-0.000 χ^2/NDF: 28693757.4/109

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.015 χ^2/NDF: 20.5/30

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.016 χ^2/NDF: 26.4/31

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

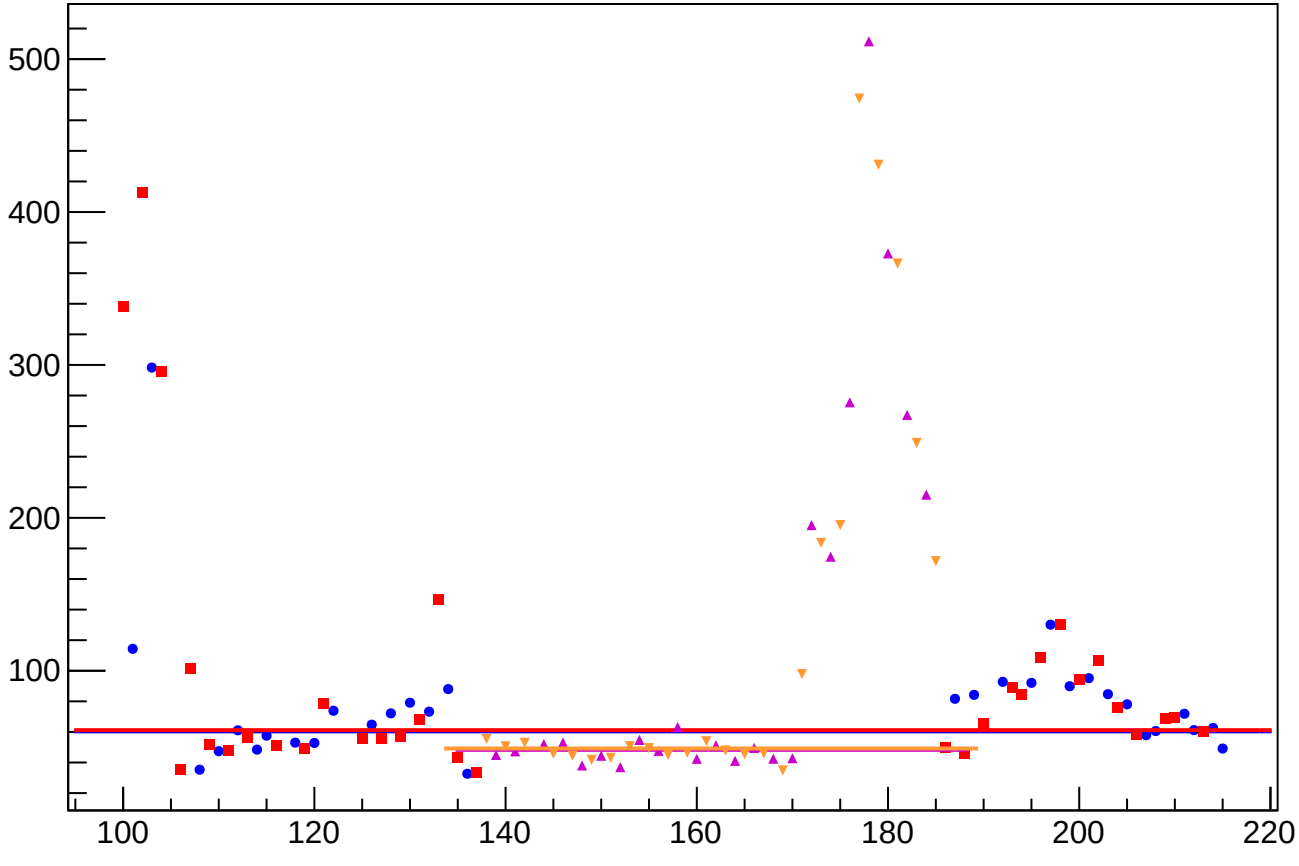
Right: -0.005+/-0.011 χ^2/NDF: 48.3/62

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.012+/-0.007 χ^2/NDF: 85.8/109

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.377+/-0.011 χ^2/NDF: 4335136.9/30

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 61.153+/-0.011 χ^2/NDF: 4318413.0/31

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

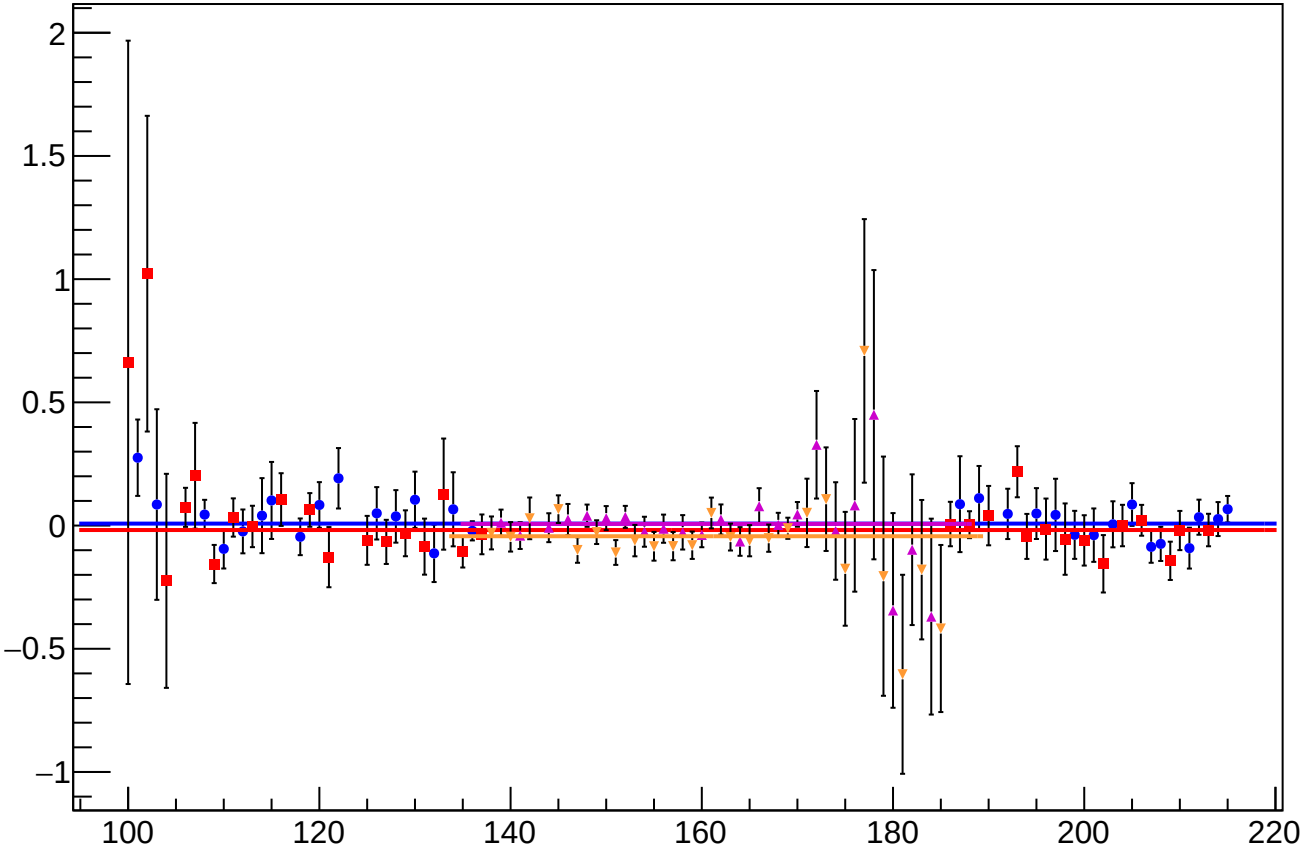
Right: 60.748+/-0.008 χ^2/NDF: 8655967.0/62

In: 53.548+/-0.007 χ^2/NDF:12067680.0/53

Out: 54.286+/-0.007 χ^2/NDF:12200818.7/55

All: 53.904+/-0.005 χ^2/NDF: 24273583.9/109

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: 20.5/30

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.016 χ^2/NDF: 26.4/31

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

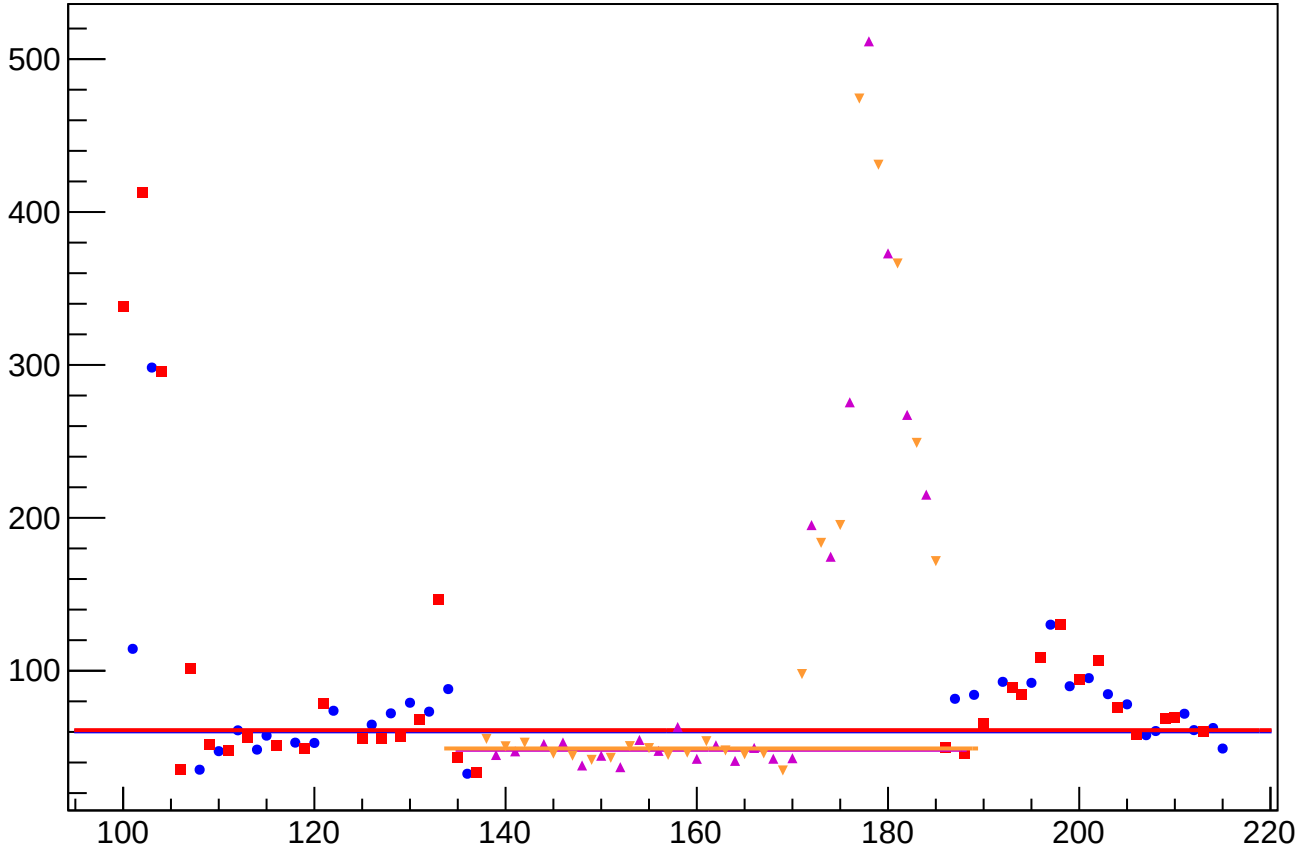
Right: -0.005+/-0.011 χ^2/NDF: 48.3/62

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.012+/-0.007 χ^2/NDF: 85.8/109

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.377+/-0.011 χ^2/NDF: 4335136.9/30

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 61.153+/-0.011 χ^2/NDF: 4318413.0/31

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

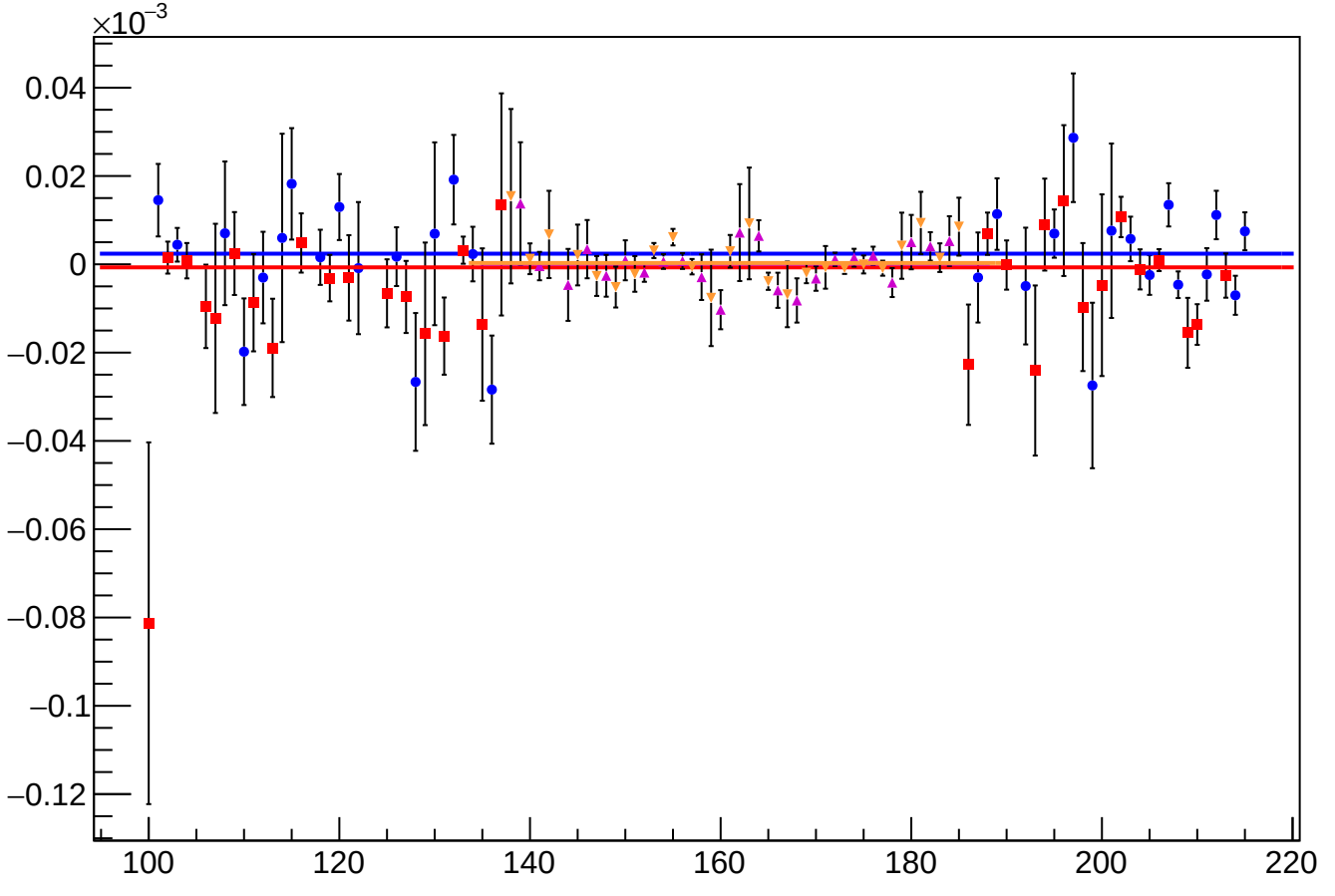
Right: 60.748+/-0.008 χ^2/NDF: 8655967.0/62

In: 53.548+/-0.007 χ^2/NDF:12067680.0/53

Out: 54.286+/-0.007 χ^2/NDF:12200818.7/55

All: 53.904+/-0.005 χ^2/NDF: 24273583.9/109

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 52.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 44.2/31

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

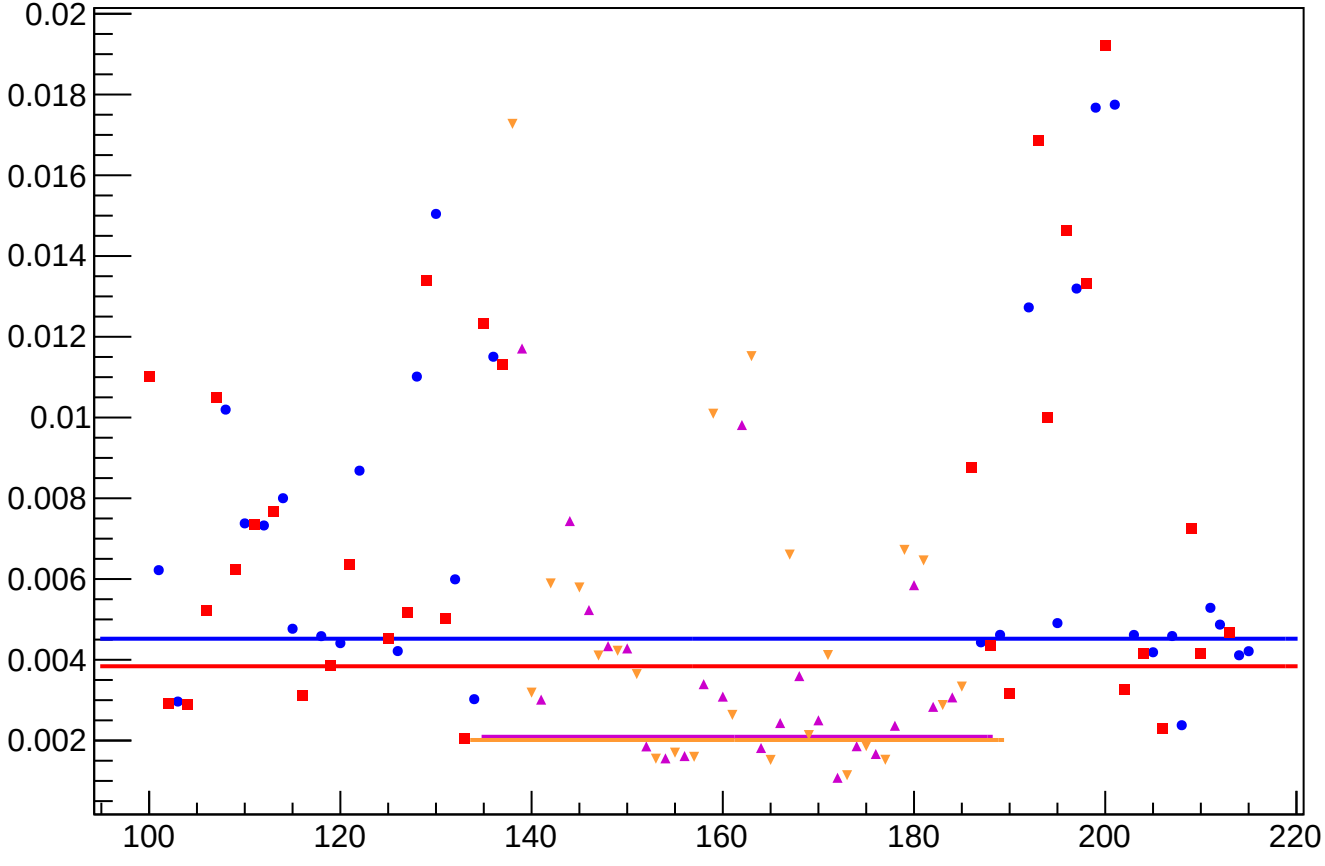
Right: 0.000+/-0.000 χ^2/NDF: 100.0/62

In: 0.000+/-0.000 χ^2/NDF:80.2/53

Out: 0.000+/-0.000 χ^2/NDF:73.7/55

All: 0.000+/-0.000 χ^2/NDF: 154.4/109

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7257638.6/30

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 9079523.6/31

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

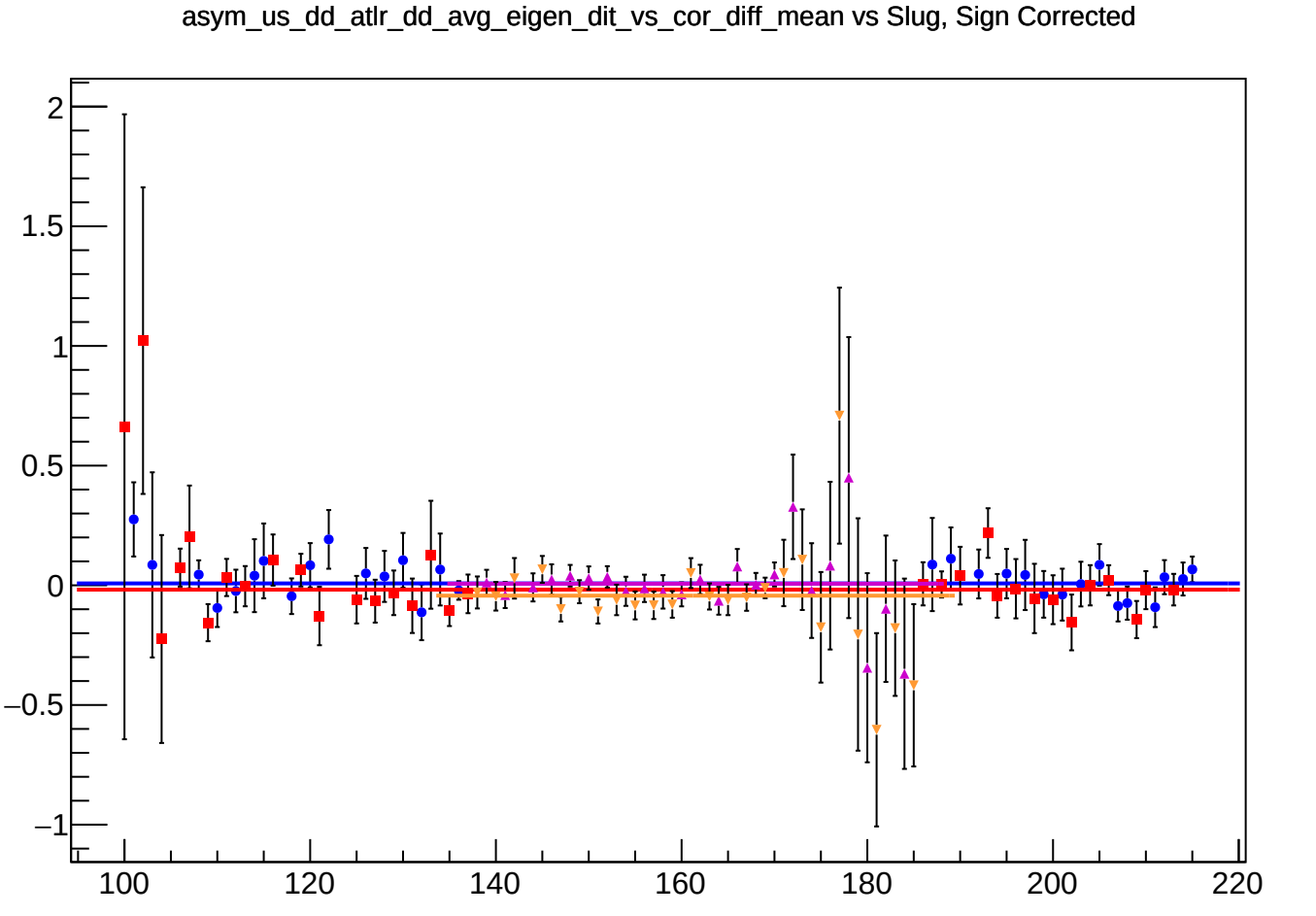
Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

Right: 0.004+/-0.000 χ^2/NDF: 16702202.0/62

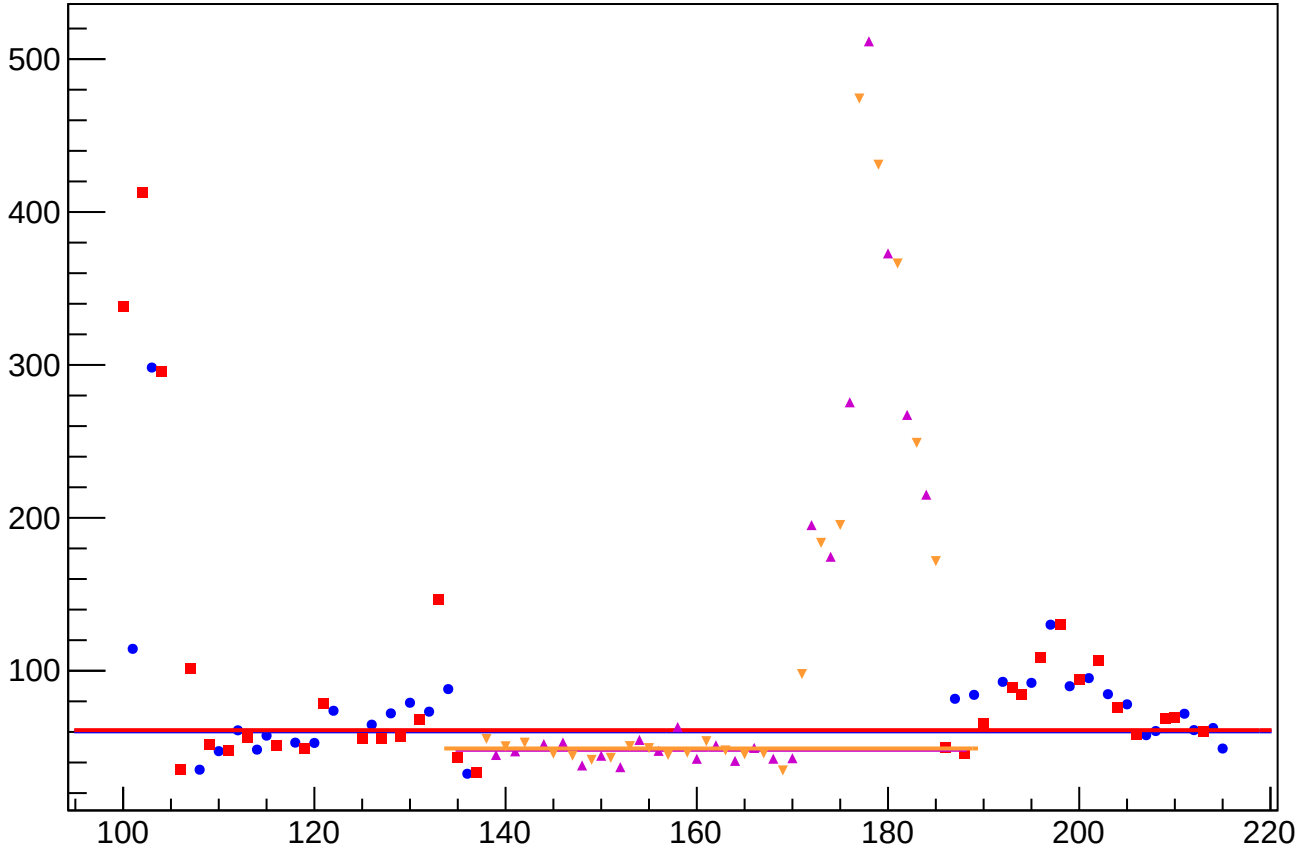
In: 0.003+/-0.000 χ^2/NDF:21056836.1/53

Out: 0.002+/-0.000 χ^2/NDF:23890892.3/55

All: 0.002+/-0.000 χ^2/NDF: 45075705.0/109


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
220
Right In: 0.008+/-0.015 χ²/NDF: 20.5/30
Left Out: -0.043+/-0.014 χ²/NDF:18.9/23
Right Out: -0.018+/-0.016 χ²/NDF: 26.4/31
Left In: 0.007+/-0.014 χ²/NDF:11.3/22
Left: -0.018+/-0.010 χ²/NDF: 36.8/46
Right: -0.005+/-0.011 χ²/NDF: 48.3/62
In: 0.007+/-0.010 χ²/NDF:31.8/53
Out: -0.033+/-0.011 χ²/NDF:46.7/55
All: -0.012+/-0.007 χ²/NDF: 85.8/109

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.377+/-0.011 χ^2/NDF: 4334966.0/30

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 61.154+/-0.011 χ^2/NDF: 4318270.6/31

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

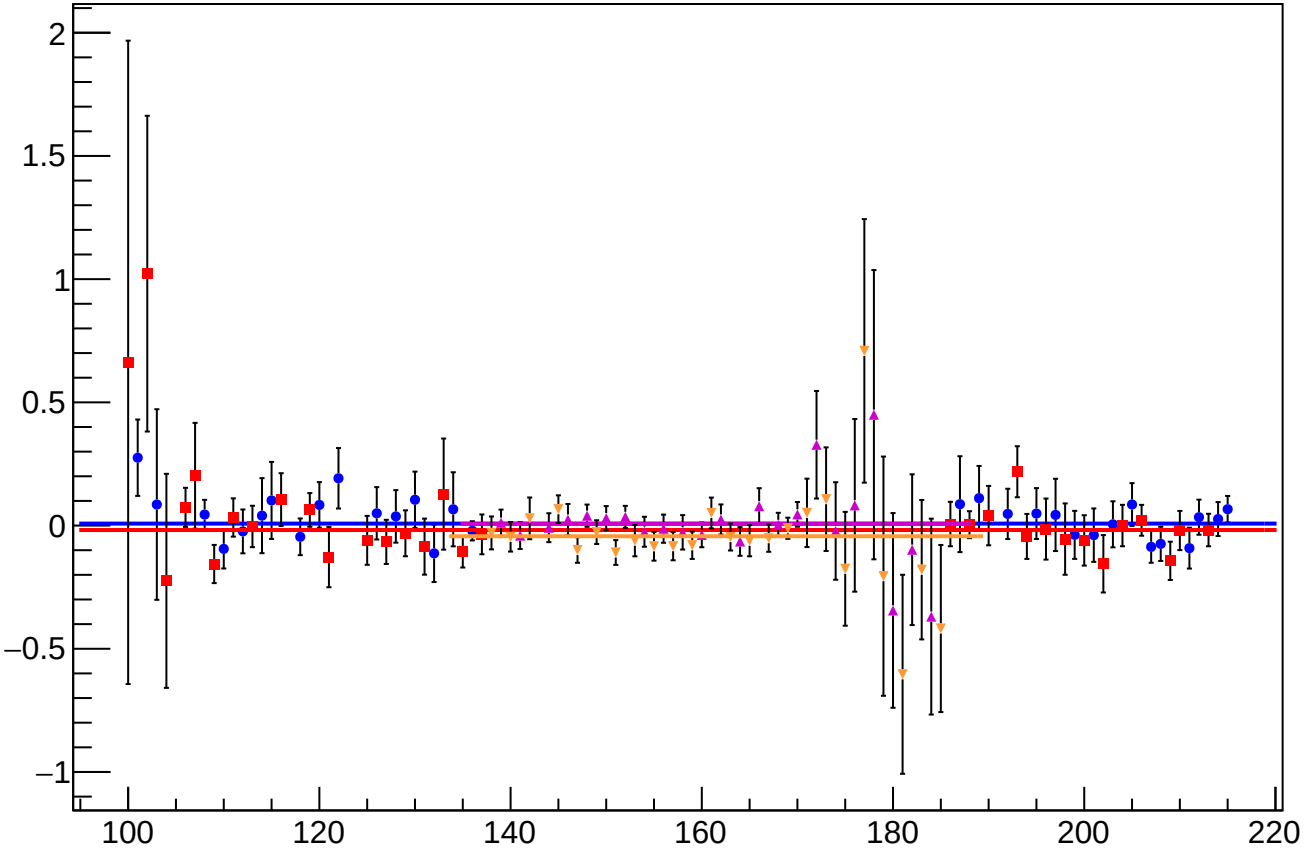
Right: 60.749+/-0.008 χ^2/NDF: 8655655.2/62

In: 53.548+/-0.007 χ^2/NDF:12067429.9/53

Out: 54.286+/-0.007 χ^2/NDF:12200778.5/55

All: 53.904+/-0.005 χ^2/NDF: 24273289.4/109

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: 20.5/30

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.016 χ^2/NDF: 26.4/31

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

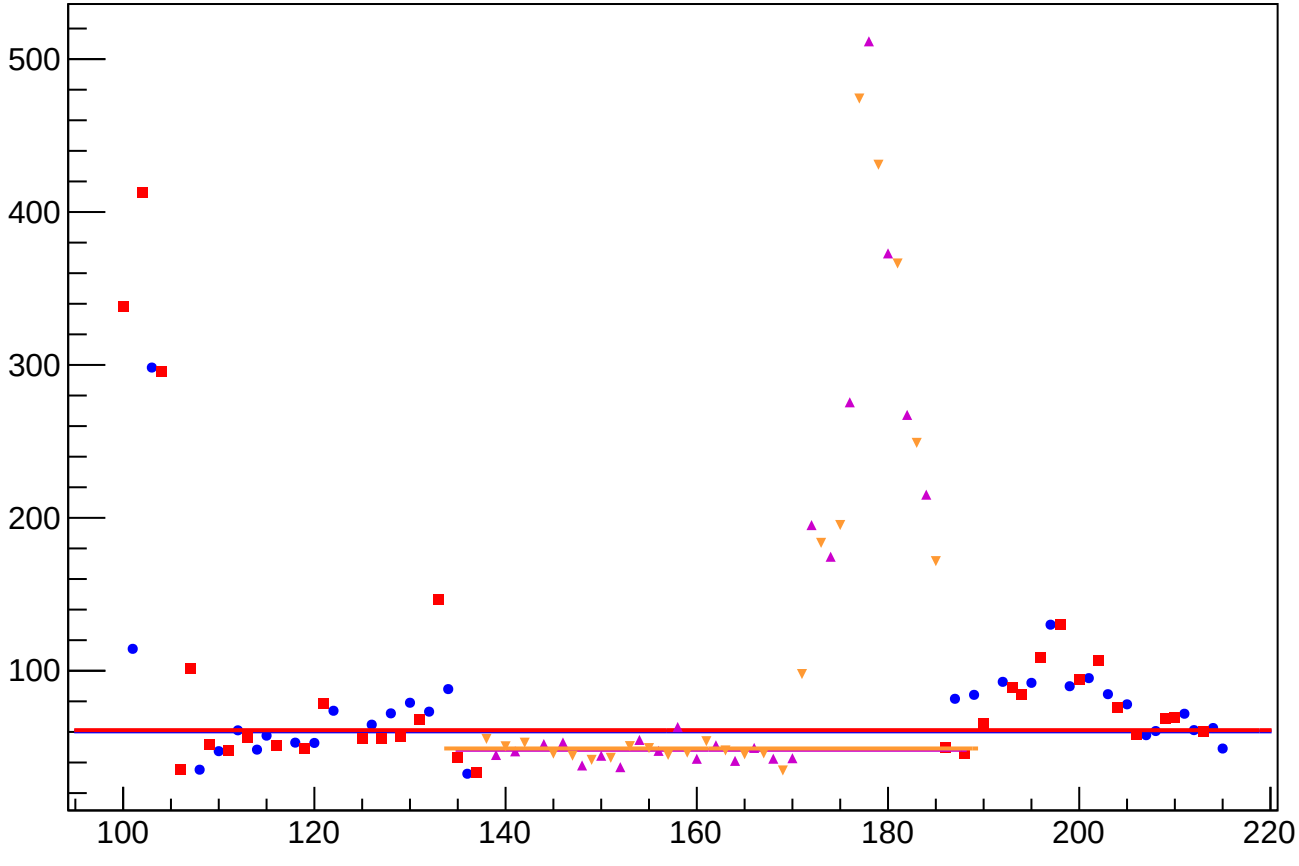
Right: -0.005+/-0.011 χ^2/NDF: 48.3/62

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.033+/-0.011 χ^2/NDF:46.7/55

All: -0.012+/-0.007 χ^2/NDF: 85.8/109

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.377+/-0.011 χ^2/NDF: 4334966.0/30

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 61.154+/-0.011 χ^2/NDF: 4318270.6/31

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

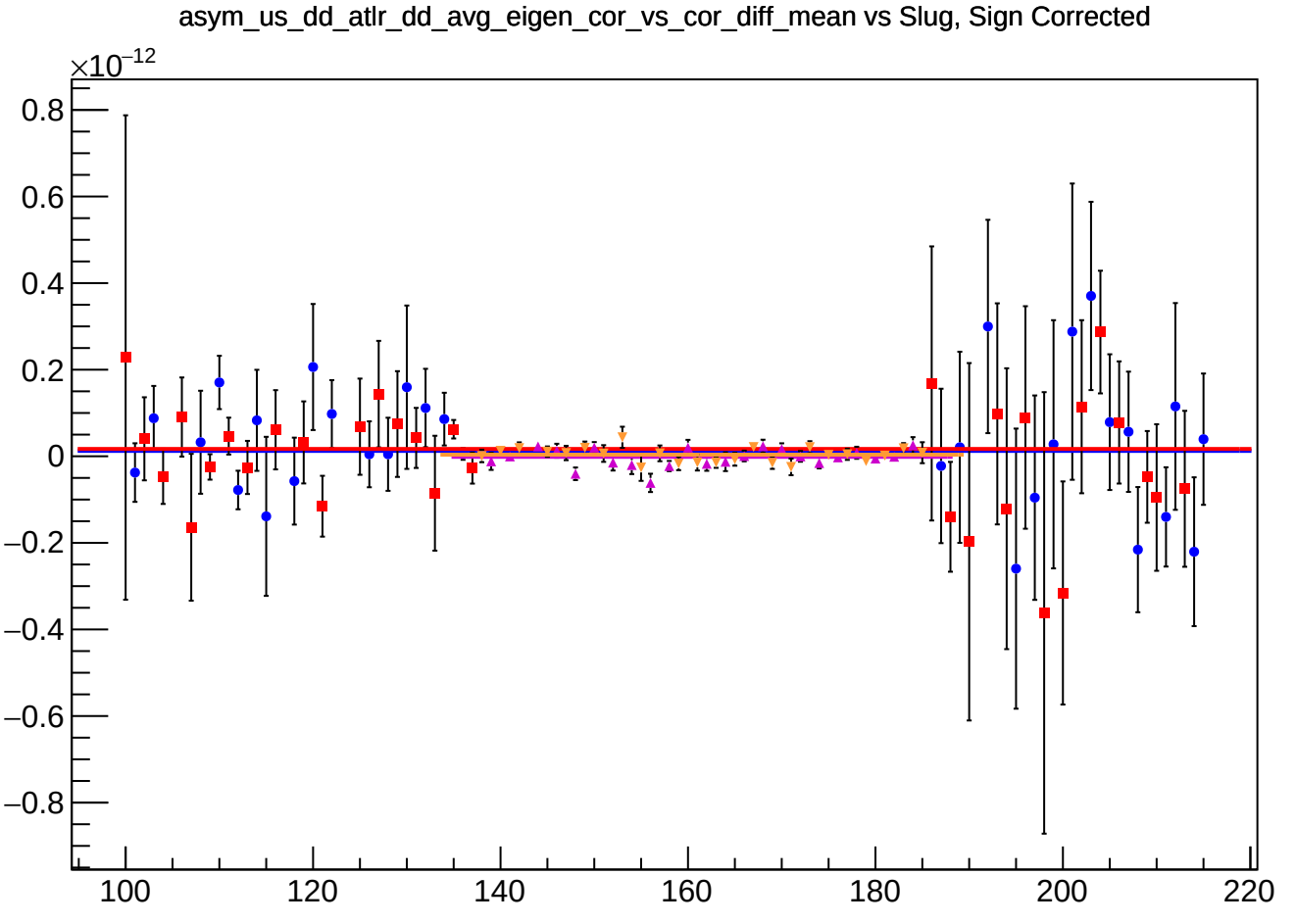
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

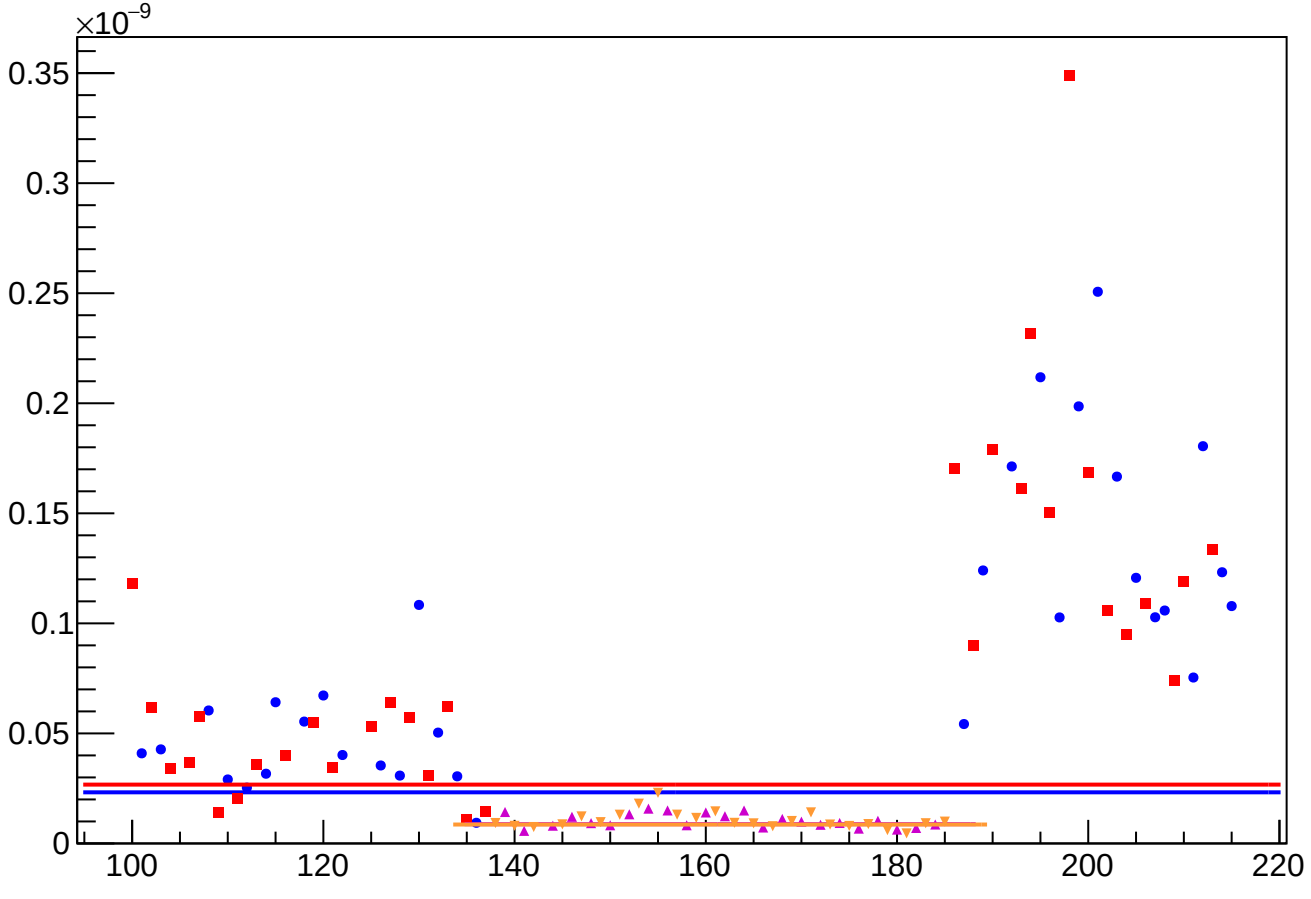
Right: 60.749+/-0.008 χ^2/NDF: 8655655.2/62

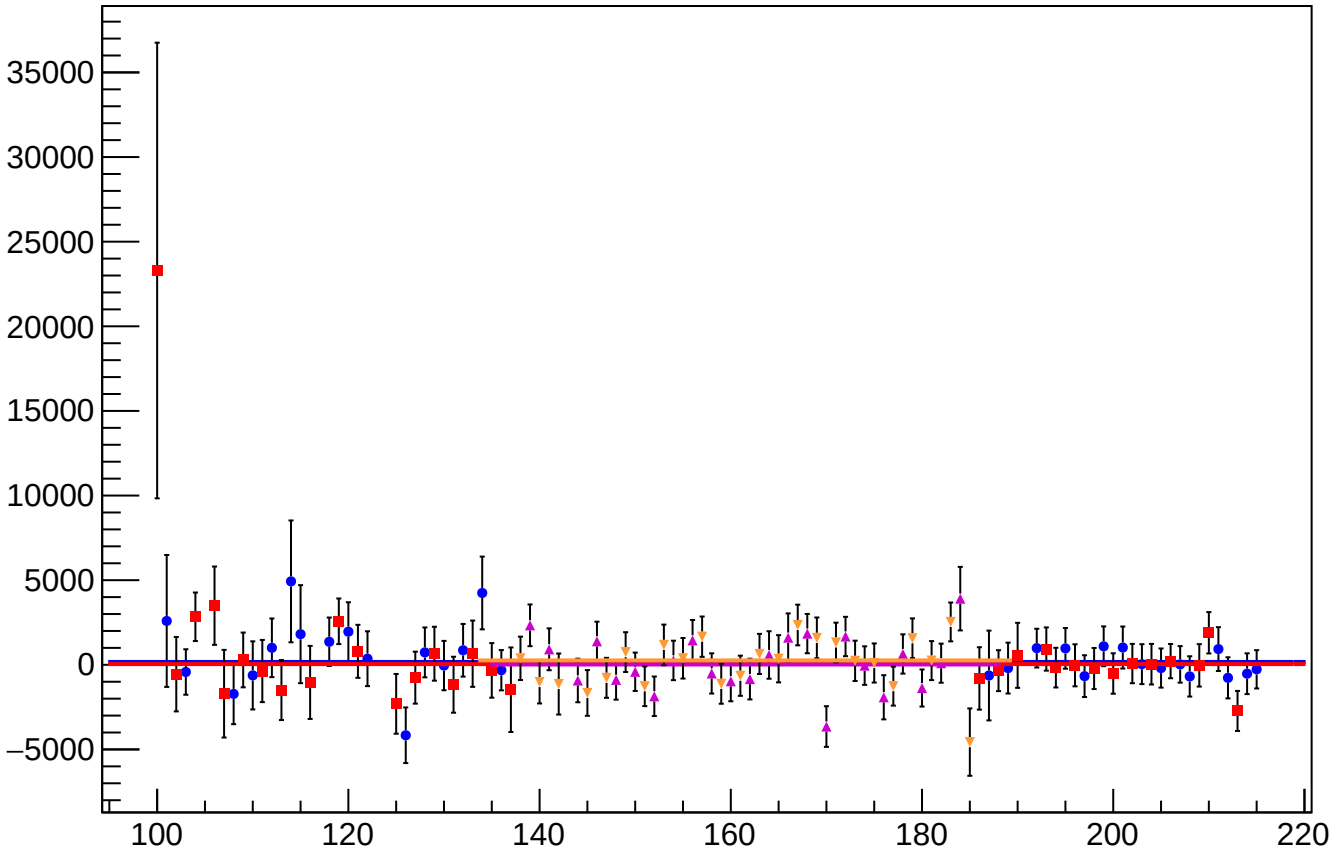
In: 53.548+/-0.007 χ^2/NDF:12067429.9/53

Out: 54.286+/-0.007 χ^2/NDF:12200778.5/55

All: 53.904+/-0.005 χ^2/NDF: 24273289.4/109


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 32.6/30
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.8/31
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 60.4/62
In: -0.000+/-0.000 χ²/NDF:74.1/53
Out: 0.000+/-0.000 χ²/NDF:53.5/55
All: 0.000+/-0.000 χ²/NDF: 129.3/109


asym_us_dd_atlr_dd_avg_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: 13114281.6/30
Left Out: 0.000+/-0.000 χ²/NDF:2499872.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 10573056.5/31
Left In: 0.000+/-0.000 χ²/NDF:1954811.1/22
Left: 0.000+/-0.000 χ²/NDF: 4458320.3/46
Right: 0.000+/-0.000 χ²/NDF: 23778788.0/62
In: 0.000+/-0.000 χ²/NDF:18327120.0/53
Out: 0.000+/-0.000 χ²/NDF:17328649.6/55
All: 0.000+/-0.000 χ²/NDF: 35658988.9/109



Right In: 168.698+/-254.903 χ^2/NDF: 21.7/30

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 41.668+/-262.023 χ^2/NDF: 26.6/31

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

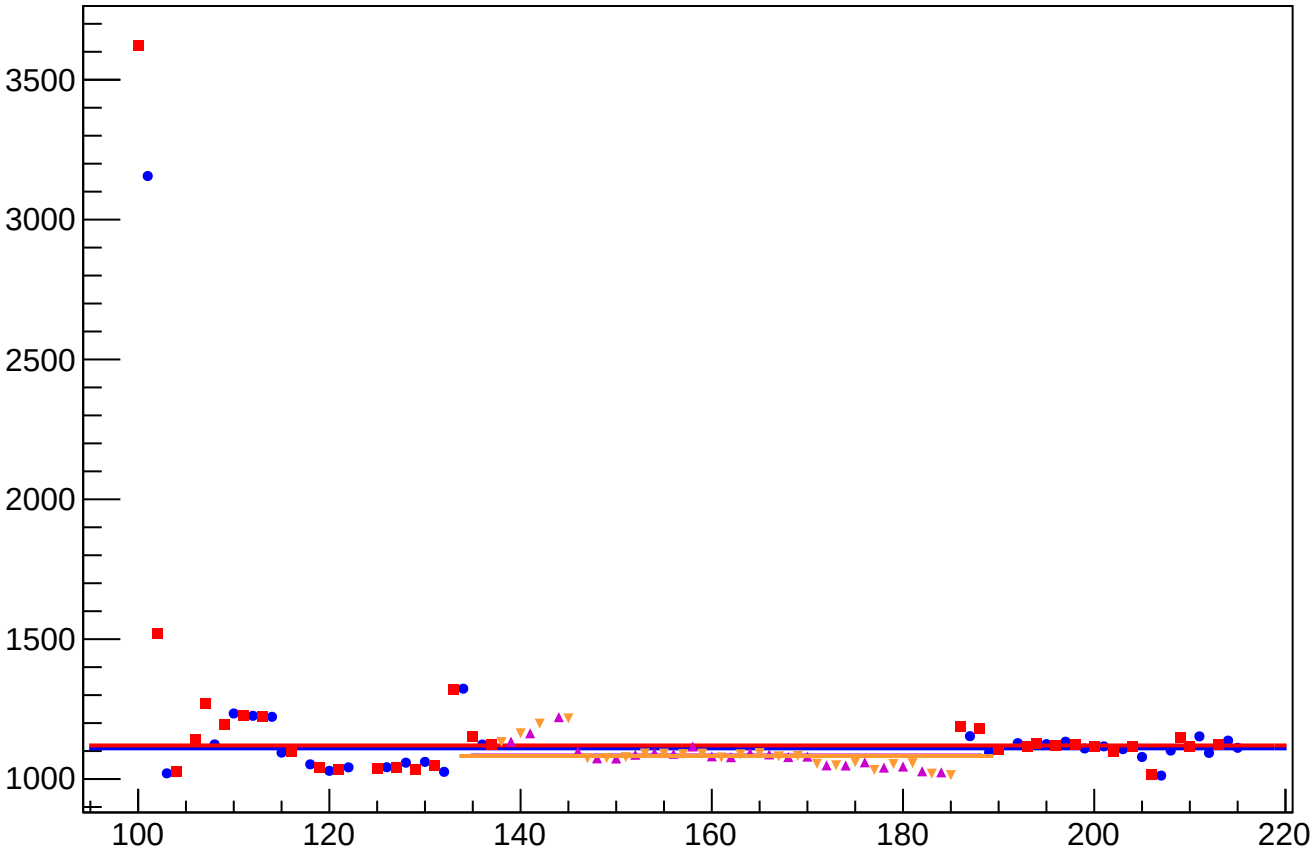
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 106.932+/-182.709 χ^2/NDF: 48.4/62

In: 95.081+/-179.686 χ^2/NDF:57.7/53

Out: 155.688+/-181.406 χ^2/NDF:55.2/55

All: 125.095+/-127.661 χ^2/NDF: 112.9/109



Right In: 1109.705+/-0.180 χ^2/NDF: 647644.5/30

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.996+/-0.185 χ^2/NDF: 252585.4/31

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

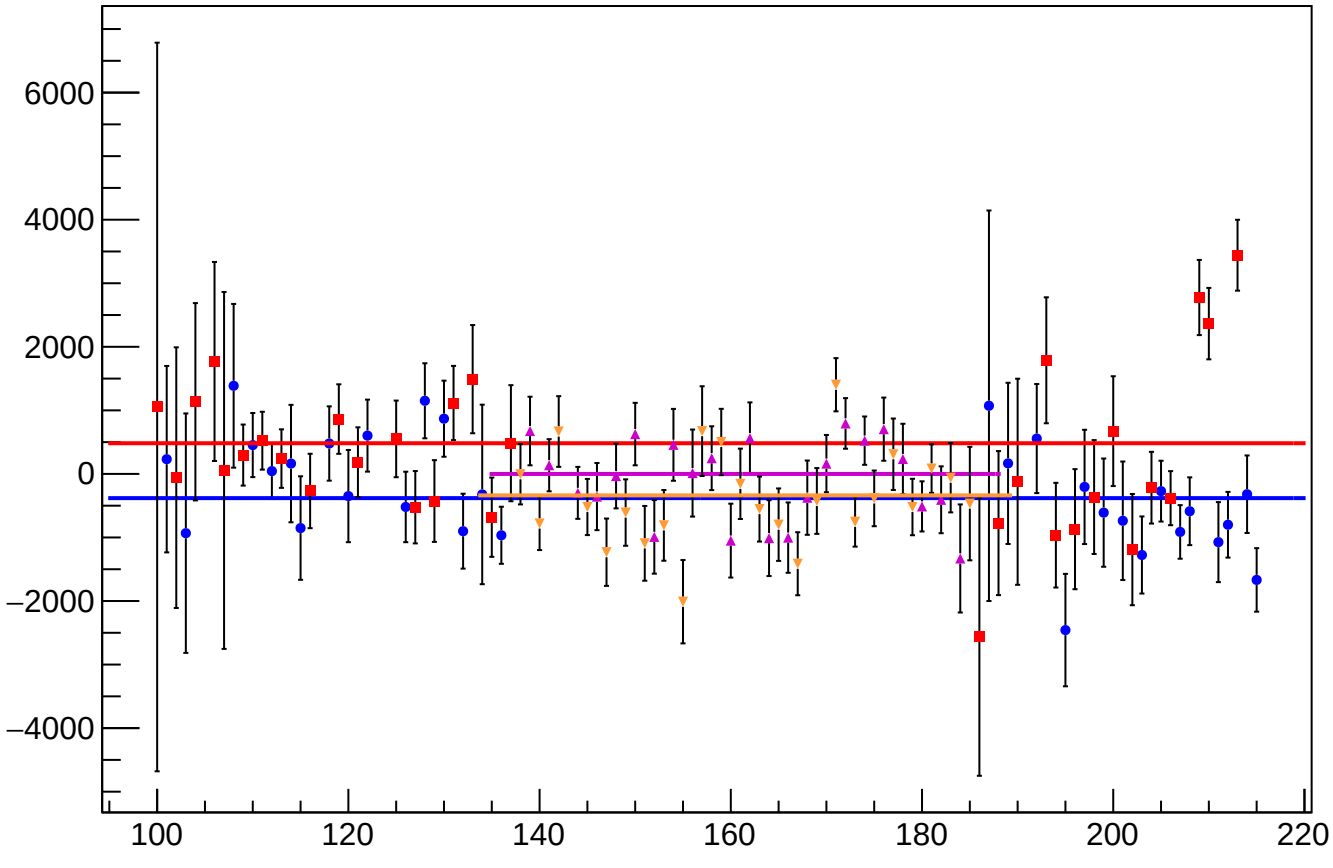
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1114.709+/-0.129 χ^2/NDF: 901815.1/62

In: 1096.856+/-0.127 χ^2/NDF:711183.4/53

Out: 1100.373+/-0.128 χ^2/NDF:332003.5/55

All: 1098.598+/-0.090 χ^2/NDF: 1043566.2/10



Right In: -381.004+/-115.640 χ^2/NDF: 45.2/30

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 482.742+/-121.472 χ^2/NDF: 89.8/31

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

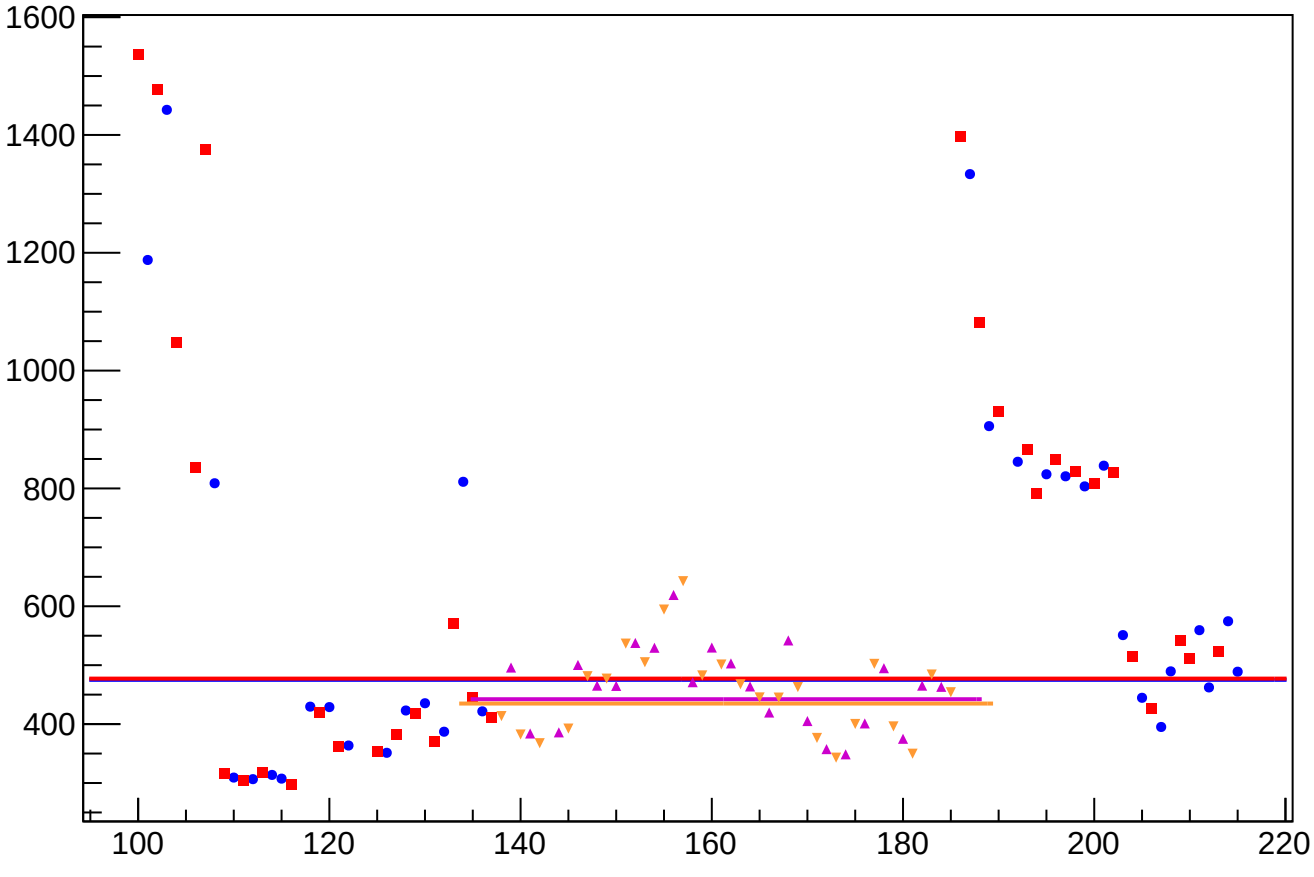
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 29.638+/-83.756 χ^2/NDF: 161.5/62

In: -171.991+/-77.628 χ^2/NDF:83.0/53

Out: 3.897+/-78.382 χ^2/NDF:165.3/55

All: -84.898+/-55.156 χ^2/NDF: 250.8/109



Right In: 475.120+/-0.082 χ^2/NDF: 4377941.0/30

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 477.199+/-0.086 χ^2/NDF: 5427980.8/31

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

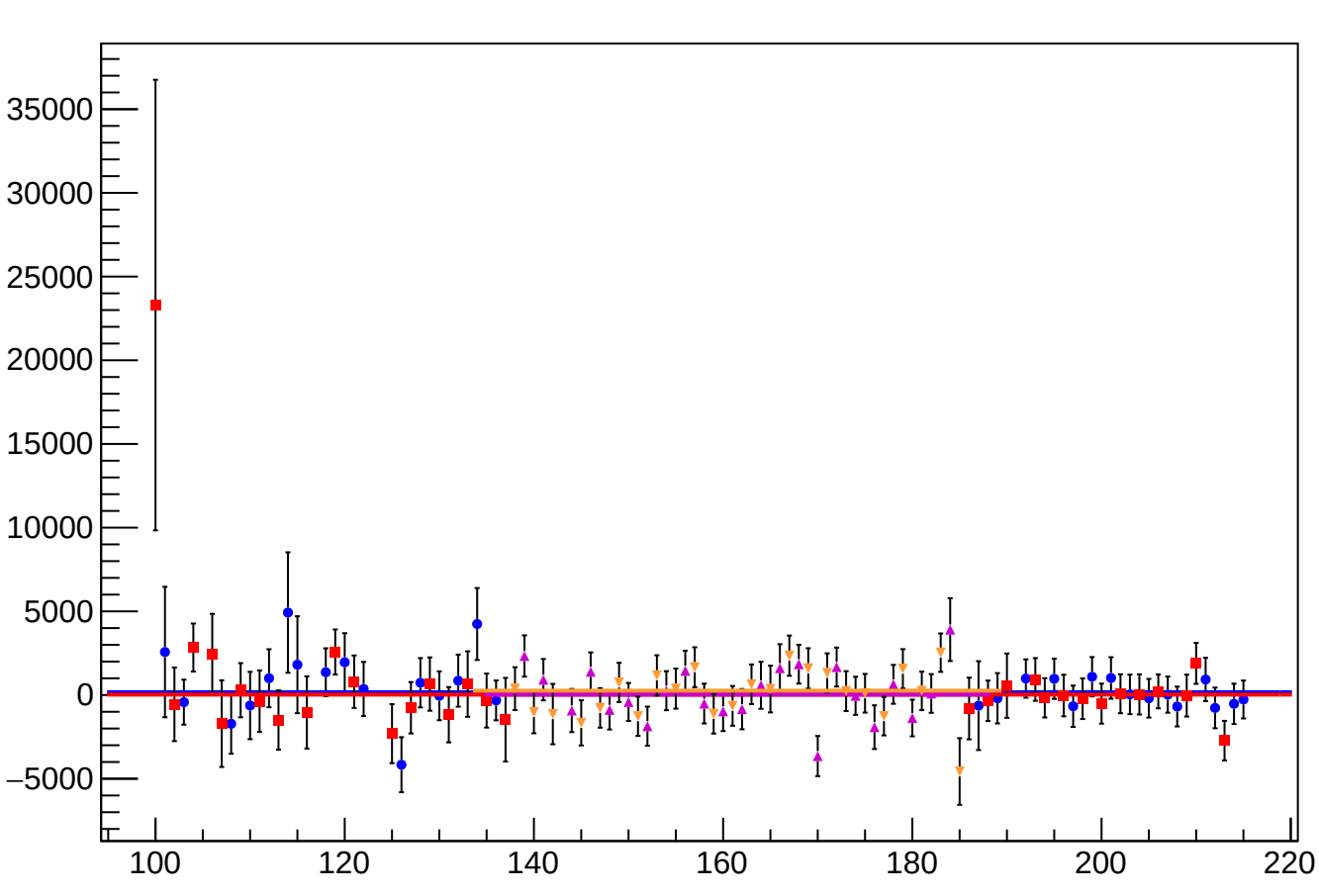
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 476.108+/-0.059 χ^2/NDF: 9806229.0/62

In: 457.039+/-0.055 χ^2/NDF:5292911.4/53

Out: 452.488+/-0.055 χ^2/NDF:6448212.0/55

All: 454.786+/-0.039 χ^2/NDF: 11744527.8/10



Right In: 168.576+/-254.903 χ^2/NDF: 21.7/30

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 25.771+/-262.153 χ^2/NDF: 25.4/31

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

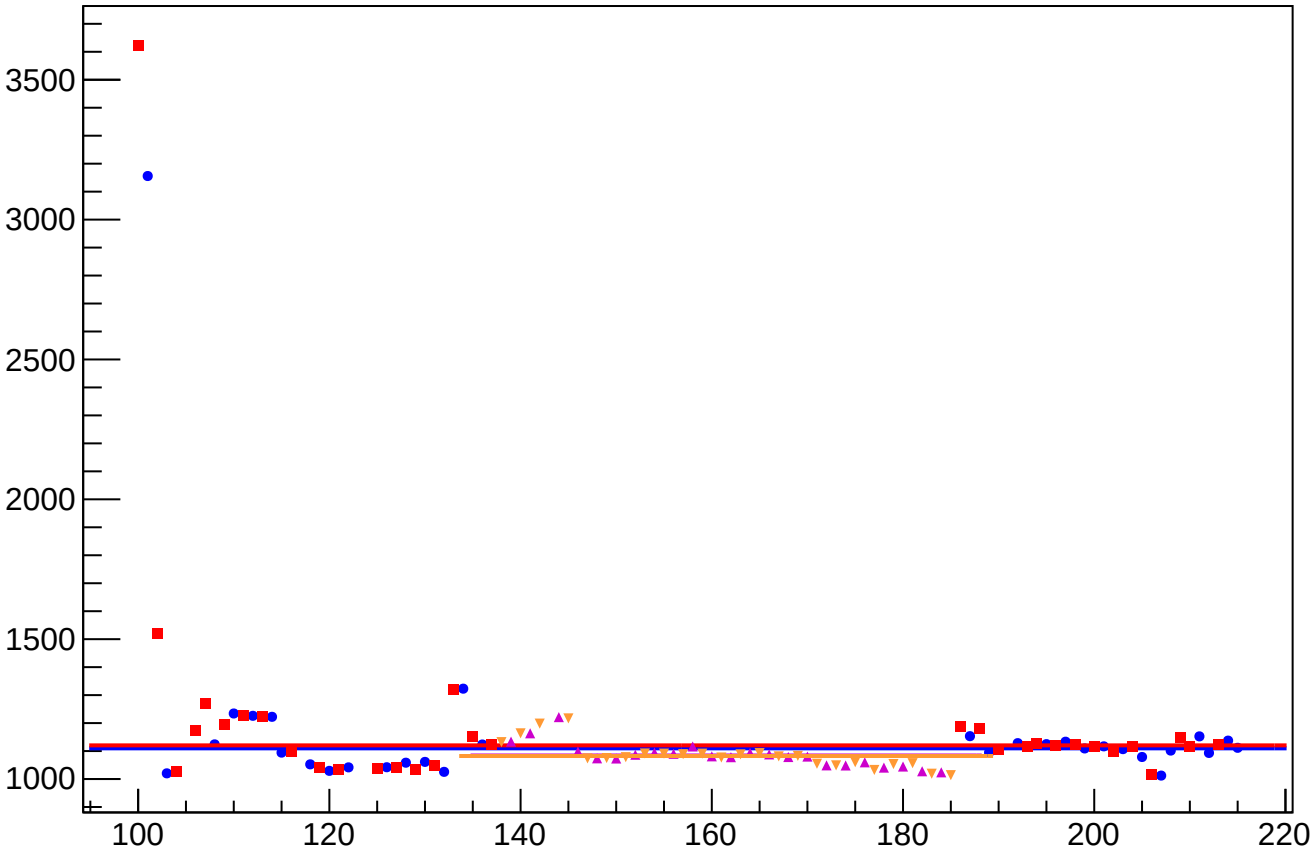
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 99.175+/-182.753 χ^2/NDF: 47.2/62

In: 95.017+/-179.686 χ^2/NDF:57.7/53

Out: 148.120+/-181.449 χ^2/NDF:54.0/55

All: 121.309+/-127.676 χ^2/NDF: 111.7/109



Right In: 1109.705+/-0.180 χ^2/NDF: 647645.5/30

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.348+/-0.185 χ^2/NDF: 253349.9/31

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

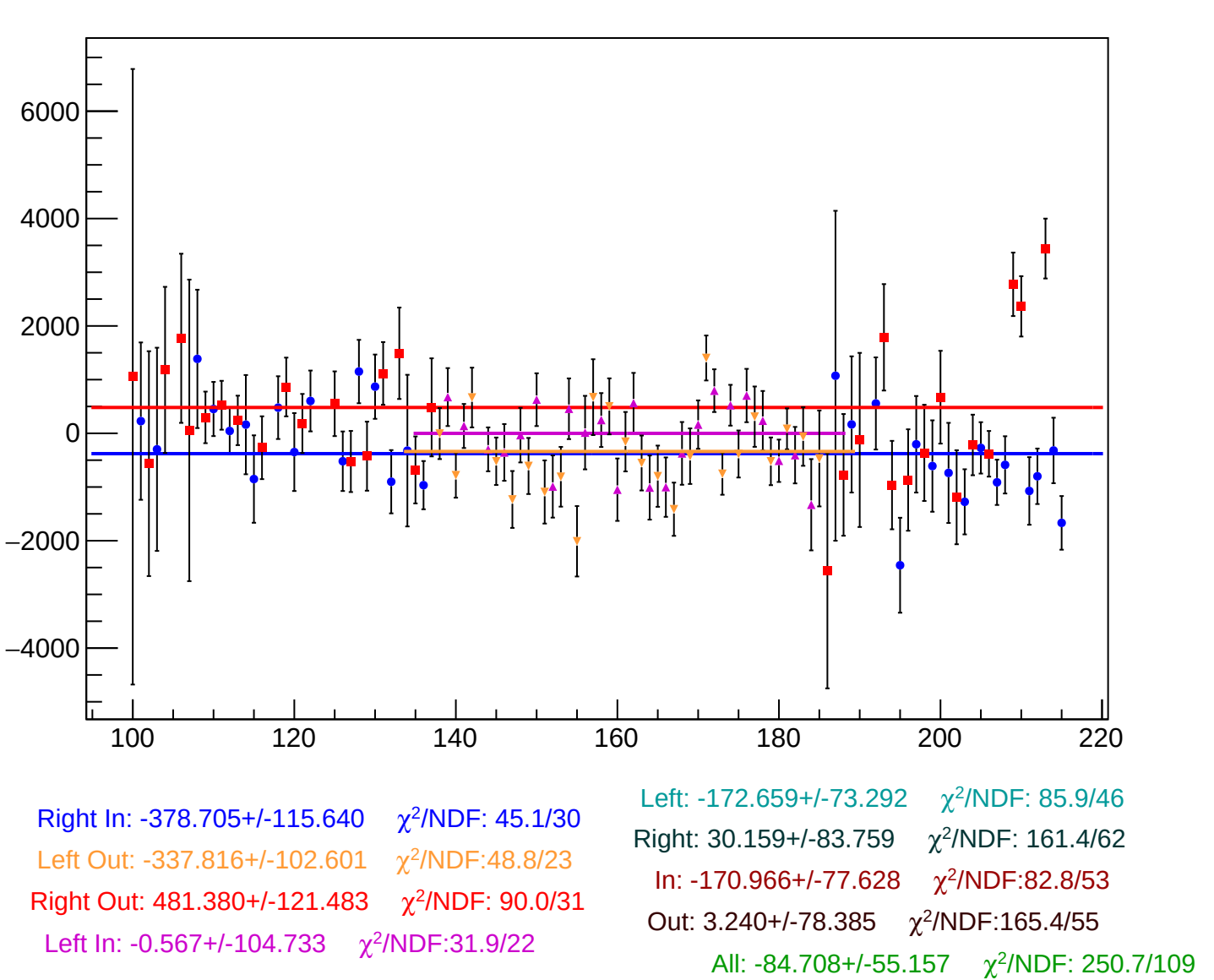
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.877+/-0.129 χ^2/NDF: 902689.8/62

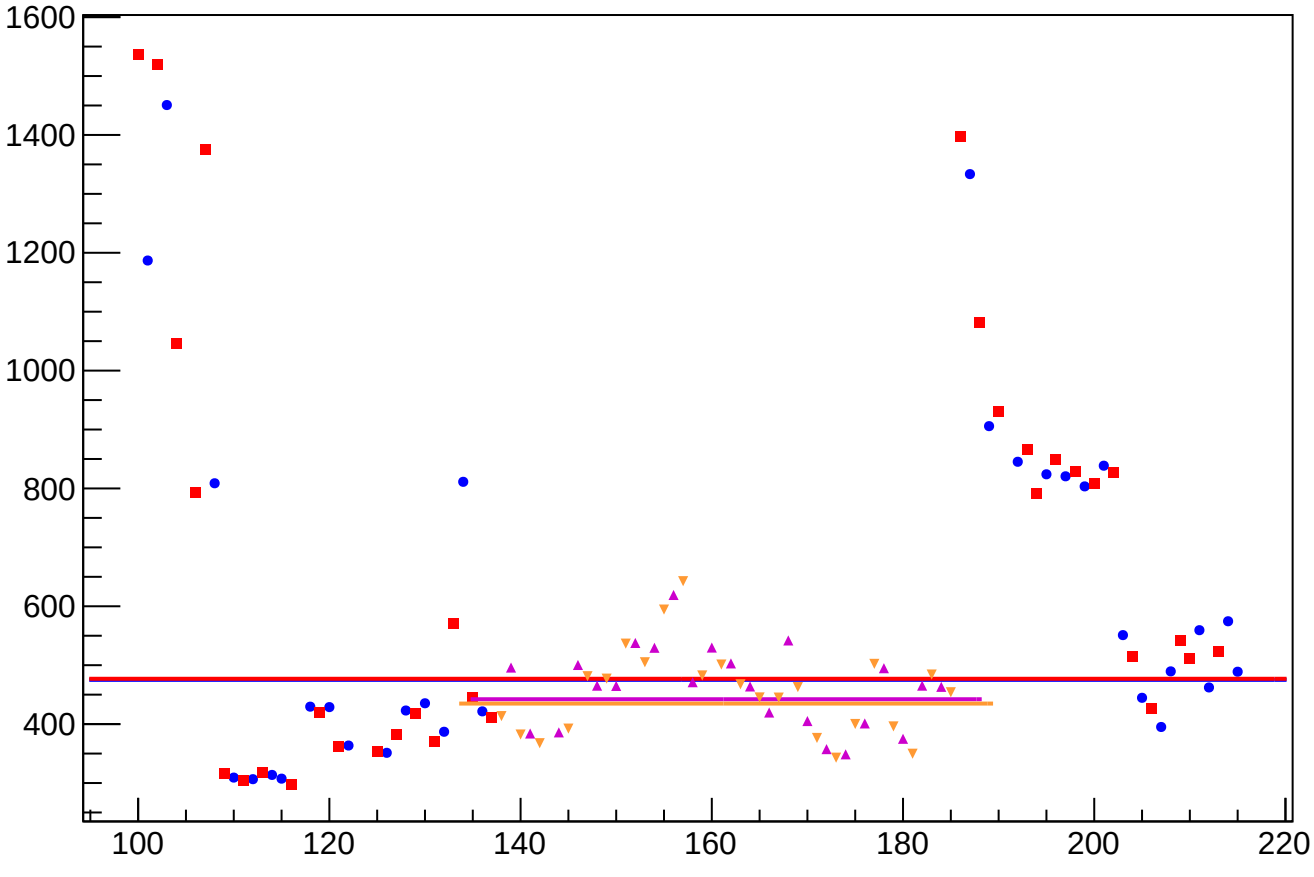
In: 1096.856+/-0.127 χ^2/NDF:711184.3/53

Out: 1100.532+/-0.128 χ^2/NDF:333160.1/55

All: 1098.676+/-0.090 χ^2/NDF: 1044758.7/10


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -378.705+/-115.640 χ²/NDF: 45.1/30
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 481.380+/-121.483 χ²/NDF: 90.0/31
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 30.159+/-83.759 χ²/NDF: 161.4/62
In: -170.966+/-77.628 χ²/NDF:82.8/53
Out: 3.240+/-78.385 χ²/NDF:165.4/55
All: -84.708+/-55.157 χ²/NDF: 250.7/109

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 475.115+/-0.082 χ^2/NDF: 4381740.3/30

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 476.935+/-0.086 χ^2/NDF: 5422792.6/31

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

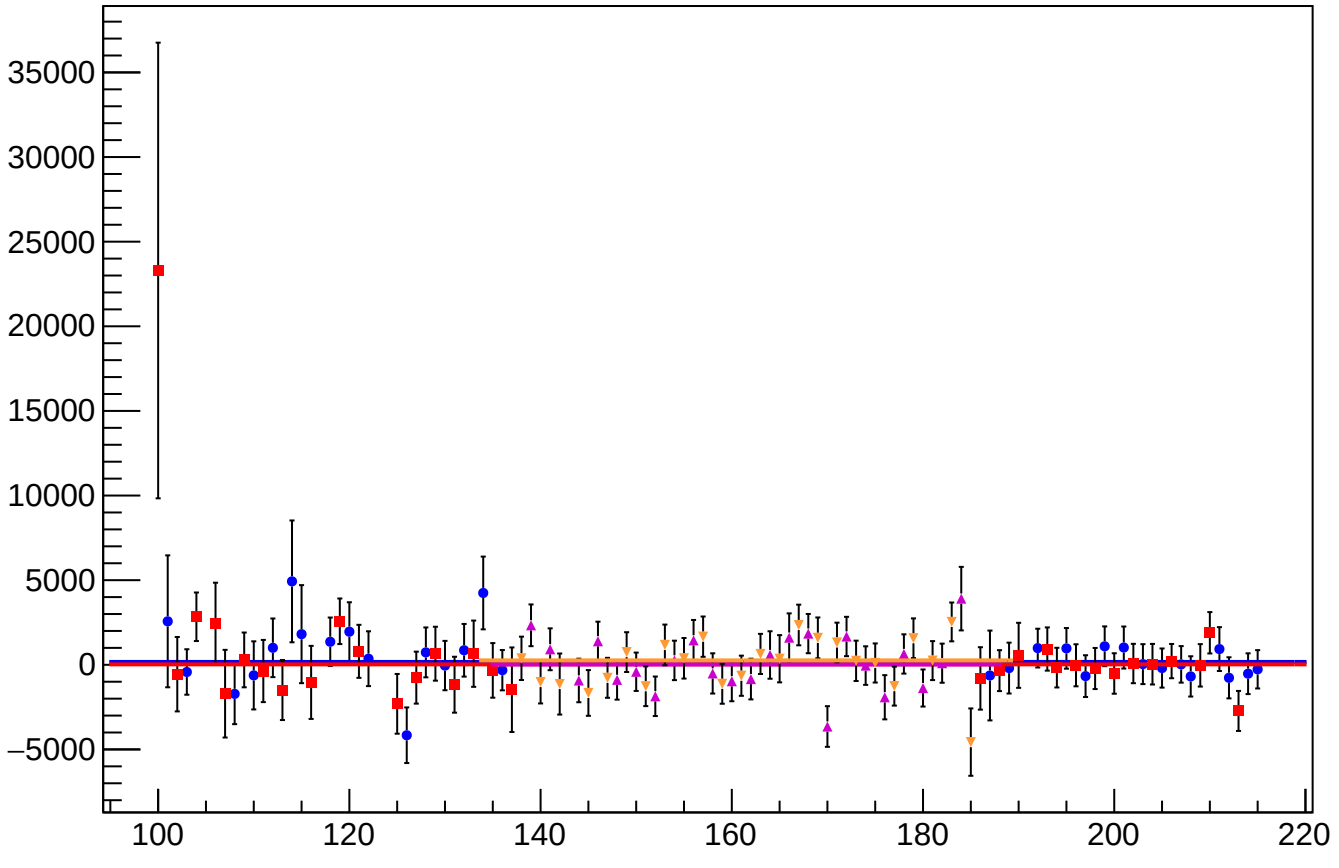
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 475.980+/-0.059 χ^2/NDF: 9804768.4/62

In: 457.038+/-0.055 χ^2/NDF:5296549.1/53

Out: 452.375+/-0.055 χ^2/NDF:6441355.2/55

All: 454.729+/-0.039 χ^2/NDF: 11741477.6/10



Right In: 168.576+/-254.903 χ^2/NDF: 21.7/30

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 25.771+/-262.153 χ^2/NDF: 25.4/31

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

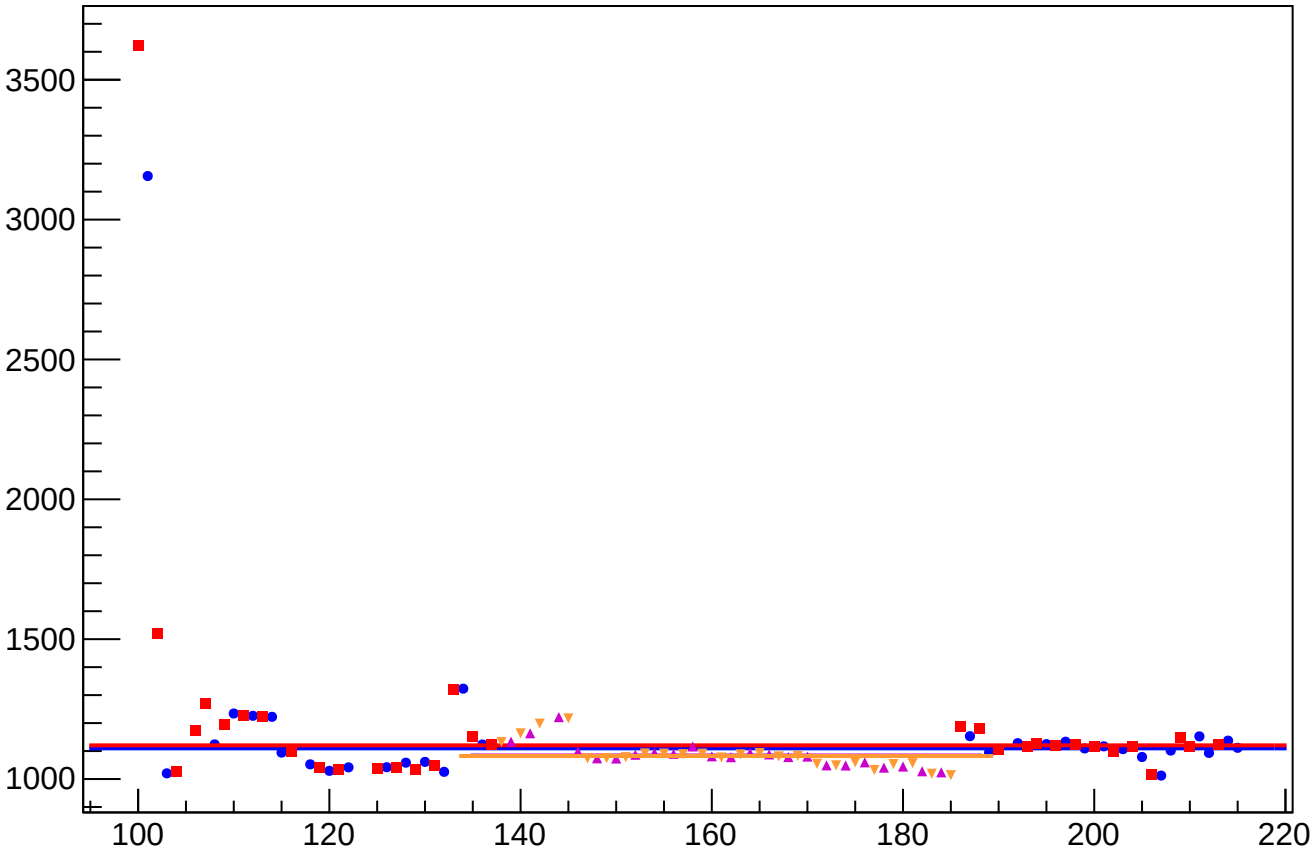
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 99.175+/-182.753 χ^2/NDF: 47.2/62

In: 95.017+/-179.686 χ^2/NDF:57.7/53

Out: 148.120+/-181.449 χ^2/NDF:54.0/55

All: 121.309+/-127.676 χ^2/NDF: 111.7/109



Right In: 1109.705+/-0.180 χ^2/NDF: 647645.5/30

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.348+/-0.185 χ^2/NDF: 253349.9/31

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

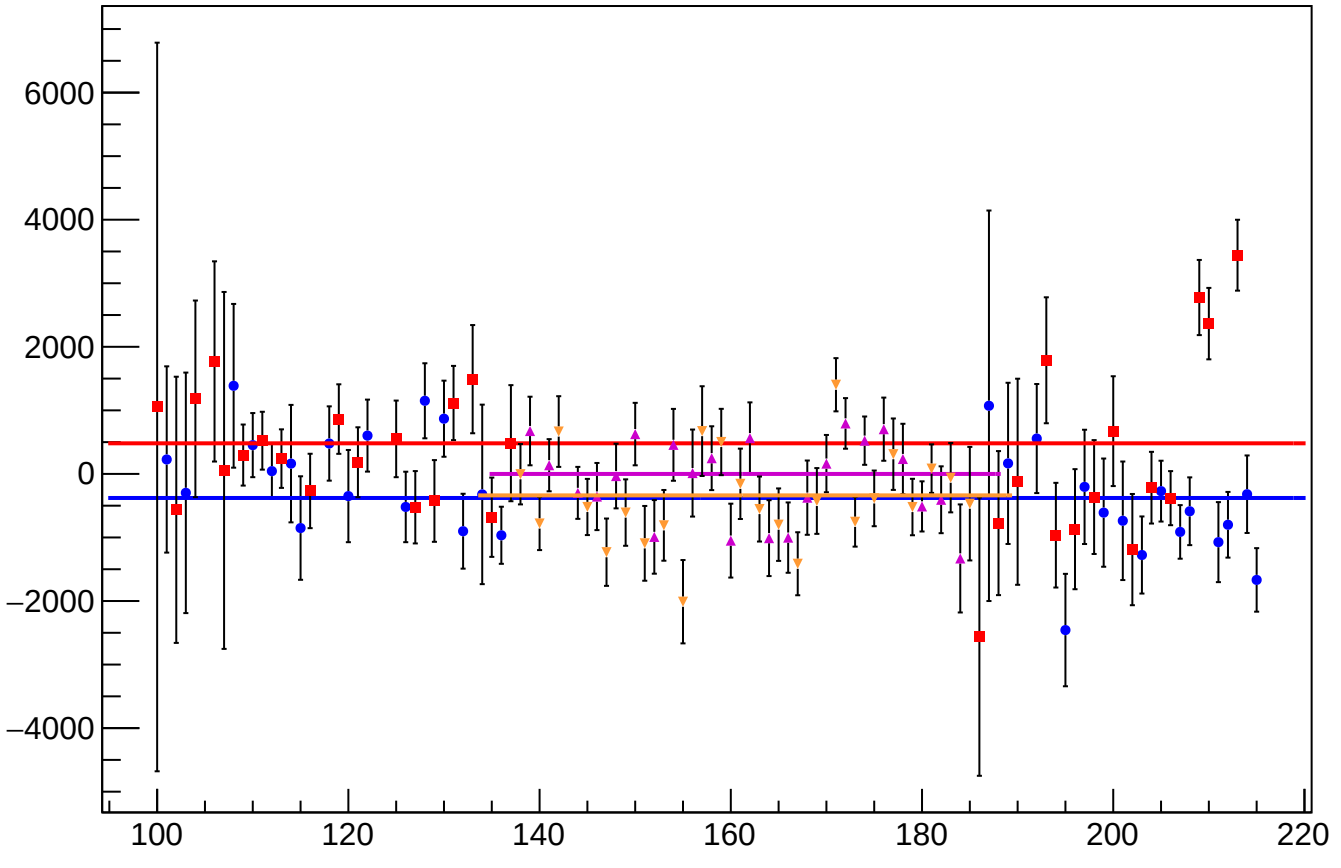
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.877+/-0.129 χ^2/NDF: 902689.8/62

In: 1096.856+/-0.127 χ^2/NDF:711184.3/53

Out: 1100.532+/-0.128 χ^2/NDF:333160.1/55

All: 1098.676+/-0.090 χ^2/NDF: 1044758.7/10



Right In: -378.705+/-115.640 χ^2/NDF: 45.1/30

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 481.380+/-121.483 χ^2/NDF: 90.0/31

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

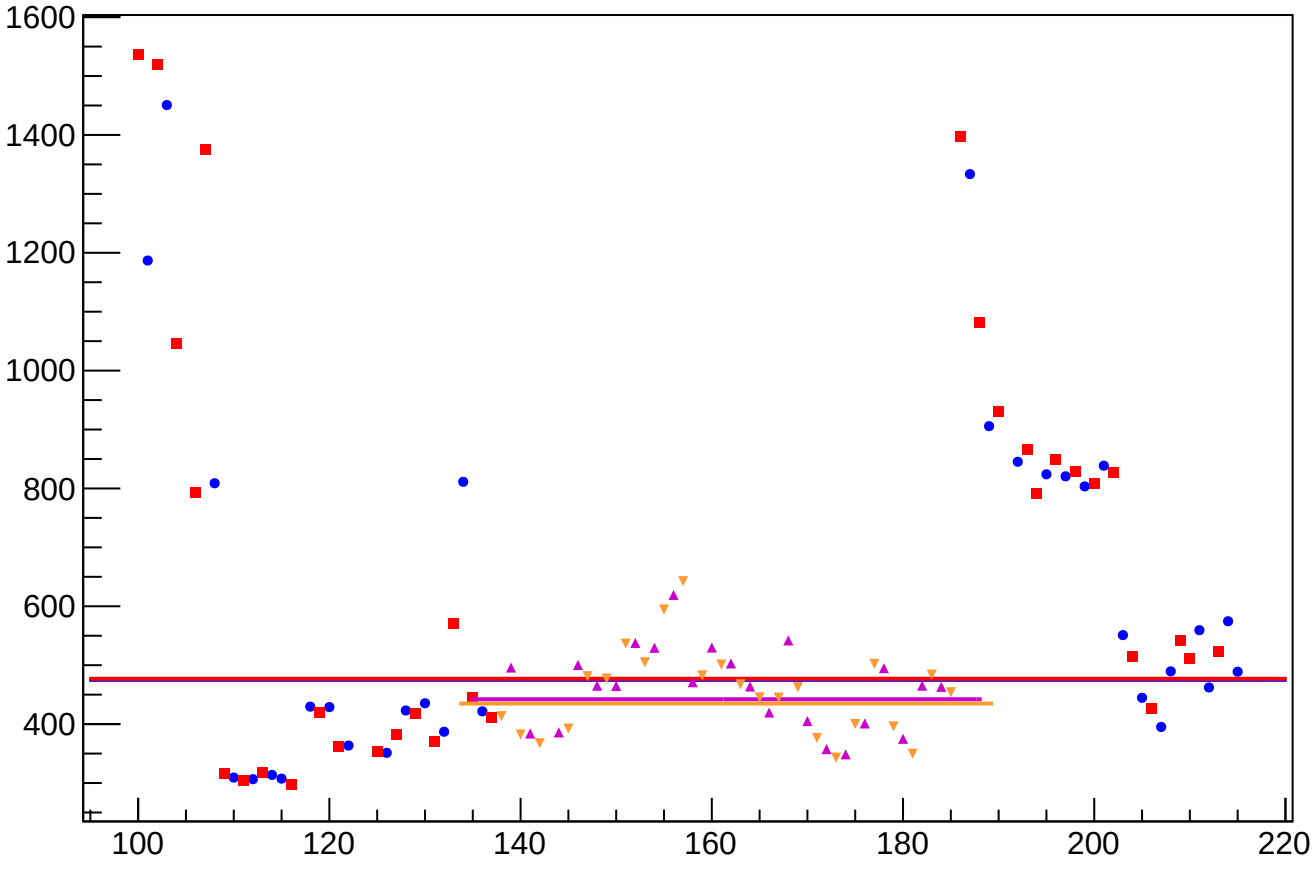
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 30.159+/-83.759 χ^2/NDF: 161.4/62

In: -170.966+/-77.628 χ^2/NDF:82.8/53

Out: 3.240+/-78.385 χ^2/NDF:165.4/55

All: -84.708+/-55.157 χ^2/NDF: 250.7/109



Right In: 475.115+/-0.082 χ^2/NDF: 4381740.3/30

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 476.935+/-0.086 χ^2/NDF: 5422792.6/31

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

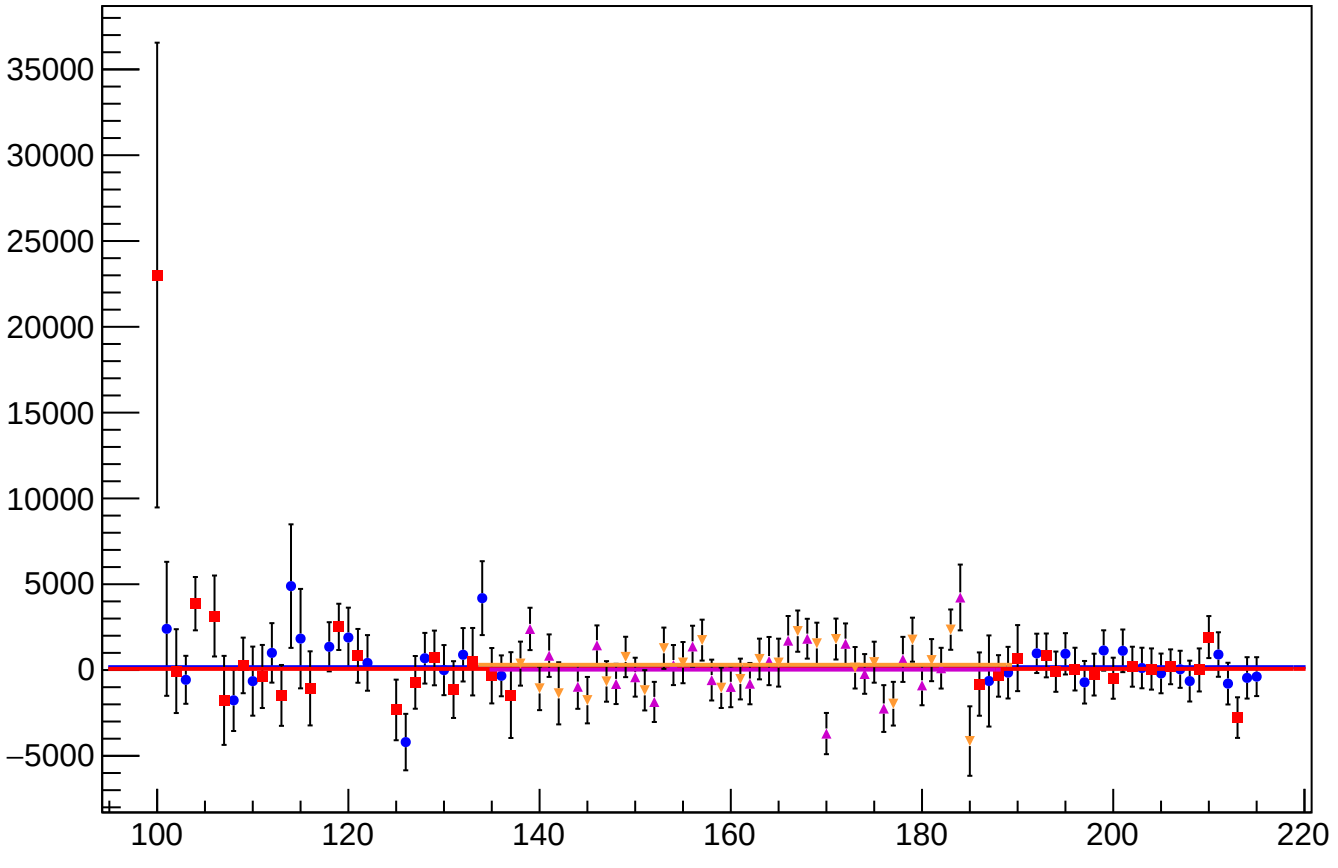
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 475.980+/-0.059 χ^2/NDF: 9804768.4/62

In: 457.038+/-0.055 χ^2/NDF:5296549.1/53

Out: 452.375+/-0.055 χ^2/NDF:6441355.2/55

All: 454.729+/-0.039 χ^2/NDF: 11741477.6/10



Right In: 166.662+/-255.533 χ^2/NDF: 21.8/30

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 67.554+/-263.402 χ^2/NDF: 28.2/31

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

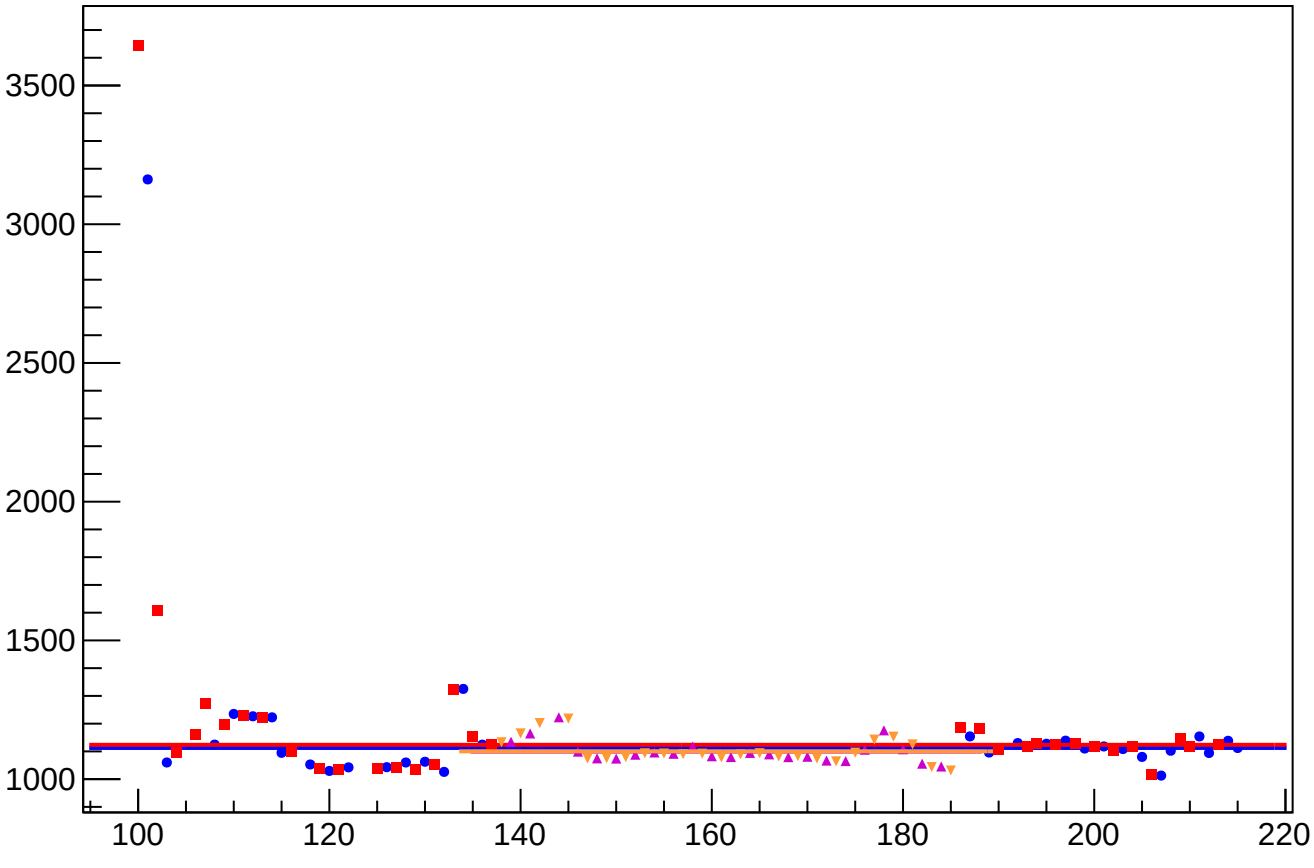
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 118.610+/-183.408 χ^2/NDF: 50.1/62

In: 96.358+/-181.158 χ^2/NDF:57.8/53

Out: 189.043+/-183.416 χ^2/NDF:57.1/55

All: 142.127+/-128.889 χ^2/NDF: 115.0/109



Right In: 1112.468+/-0.181 χ^2/NDF: 642473.2/30

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1123.747+/-0.186 χ^2/NDF: 259093.9/31

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

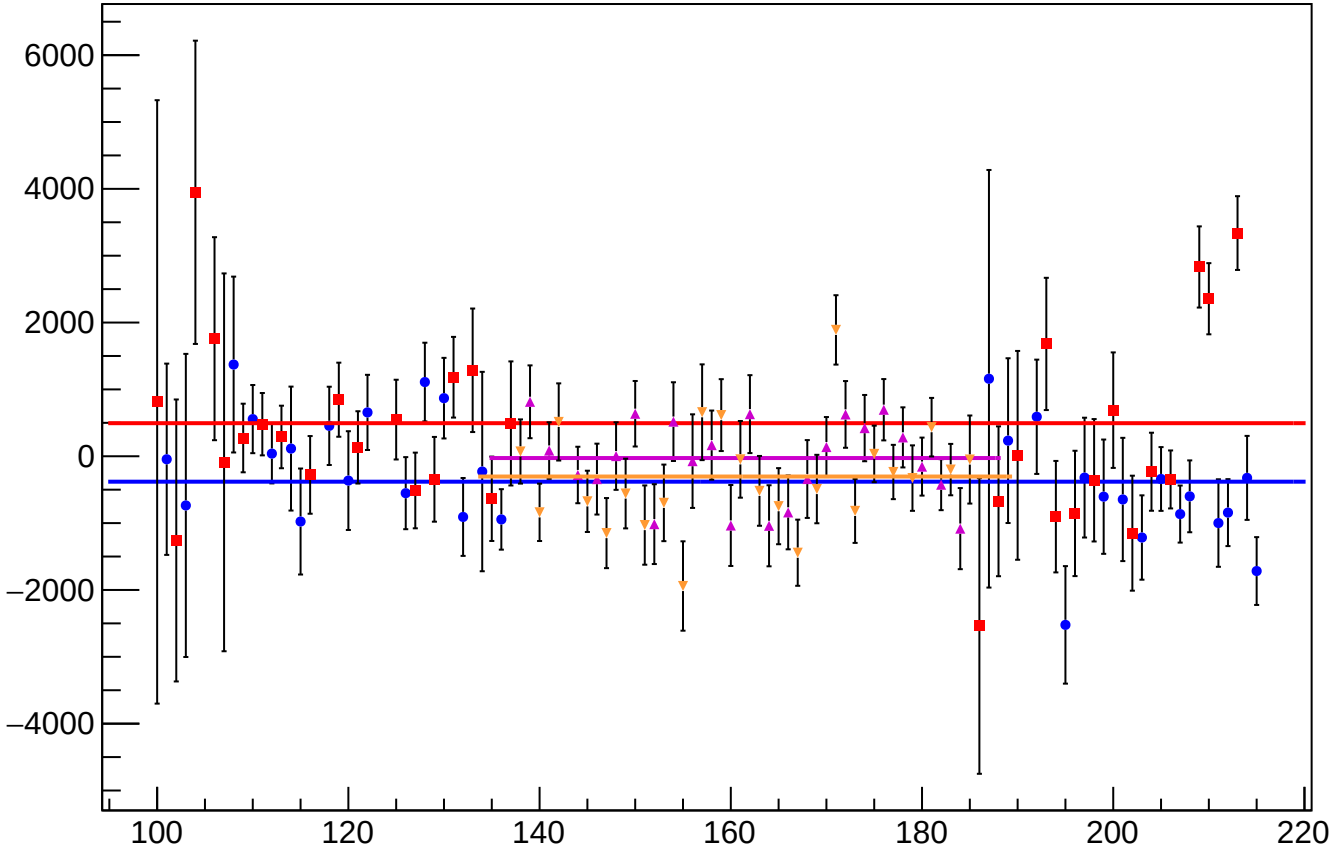
Right: 1117.937+/-0.130 χ^2/NDF: 903456.2/62

In: 1105.939+/-0.128 χ^2/NDF:689883.8/53

Out: 1111.647+/-0.130 χ^2/NDF:316060.7/55

All: 1108.758+/-0.091 χ^2/NDF: 1006925.0/10

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -380.405+/-116.250 χ^2/NDF: 45.4/30

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 494.743+/-122.799 χ^2/NDF: 89.8/31

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

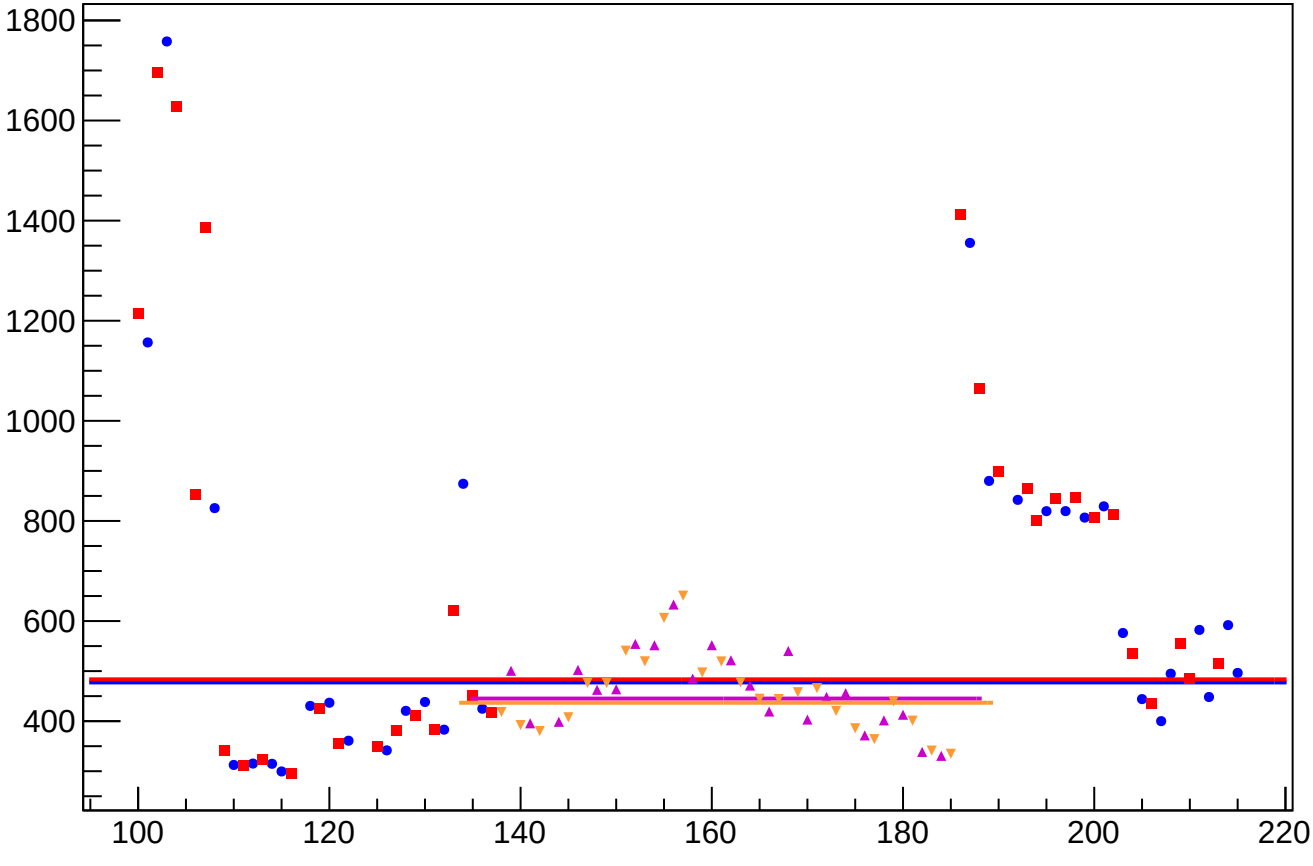
Right: 33.213+/-84.421 χ^2/NDF: 162.0/62

In: -186.336+/-78.092 χ^2/NDF:78.3/53

Out: 26.252+/-78.906 χ^2/NDF:164.2/55

All: -81.144+/-55.505 χ^2/NDF: 246.2/109

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 477.424+/-0.082 χ^2/NDF: 4517233.9/30

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 483.512+/-0.087 χ^2/NDF: 5734602.5/31

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

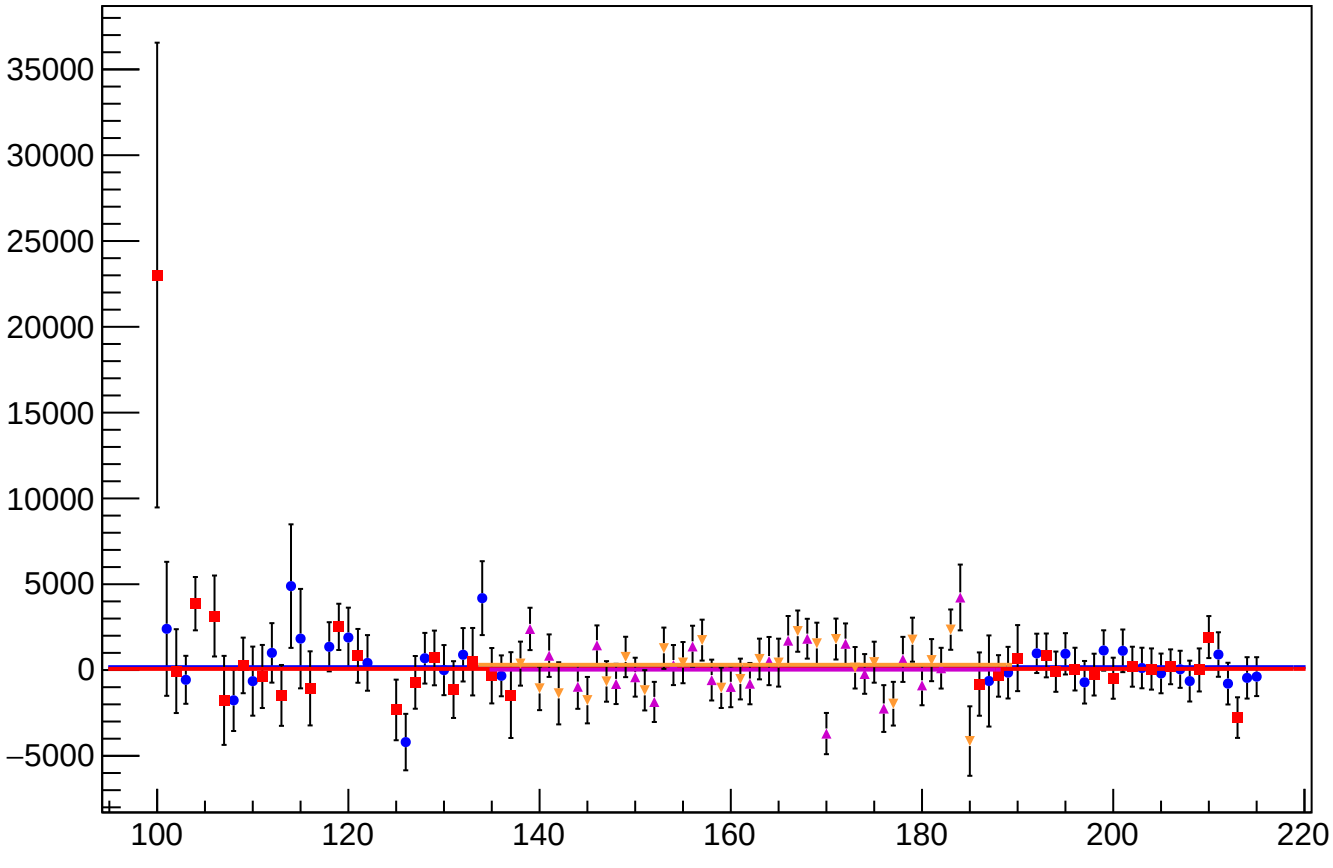
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 480.301+/-0.060 χ^2/NDF: 10254429.5/62

In: 459.691+/-0.055 χ^2/NDF:5476572.5/53

Out: 456.079+/-0.056 χ^2/NDF:6759816.6/55

All: 457.904+/-0.039 χ^2/NDF: 12238506.2/10



Right In: 166.660+/-255.533 χ^2/NDF: 21.8/30

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 67.554+/-263.402 χ^2/NDF: 28.2/31

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

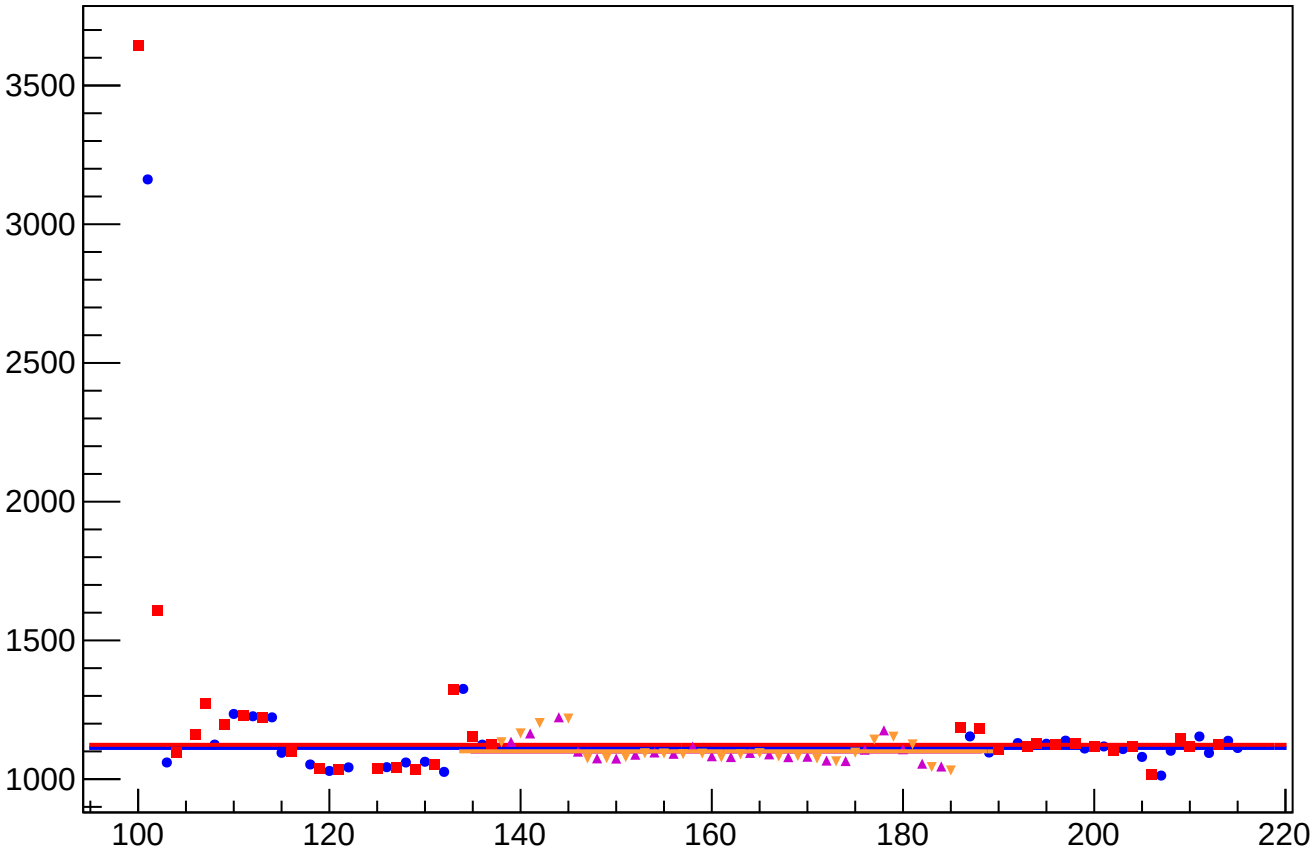
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 118.610+/-183.408 χ^2/NDF: 50.1/62

In: 96.358+/-181.158 χ^2/NDF:57.8/53

Out: 189.042+/-183.416 χ^2/NDF:57.1/55

All: 142.126+/-128.889 χ^2/NDF: 115.0/109



Right In: 1112.468+/-0.181 χ^2/NDF: 642473.2/30

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1123.747+/-0.186 χ^2/NDF: 259094.0/31

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

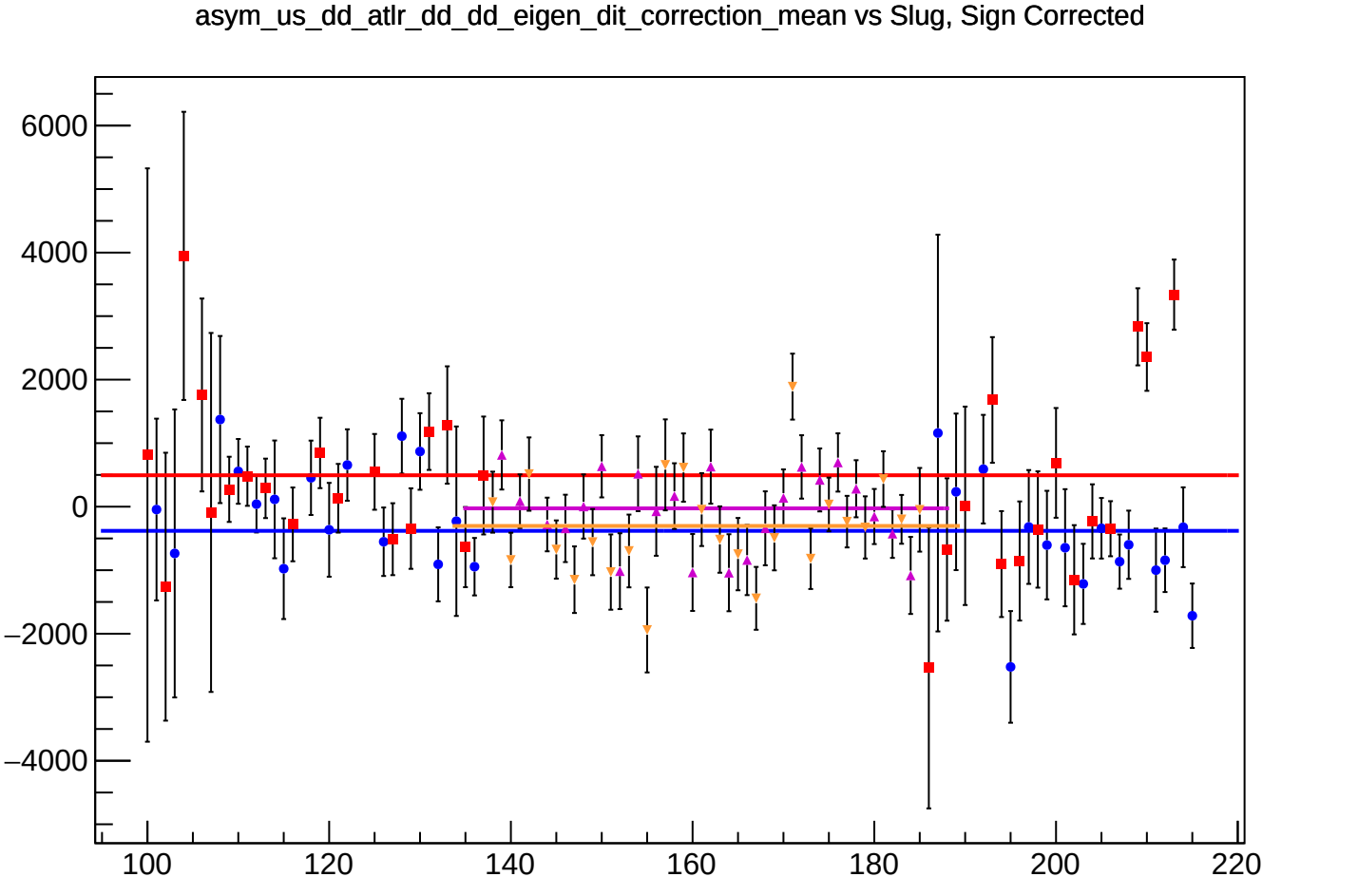
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

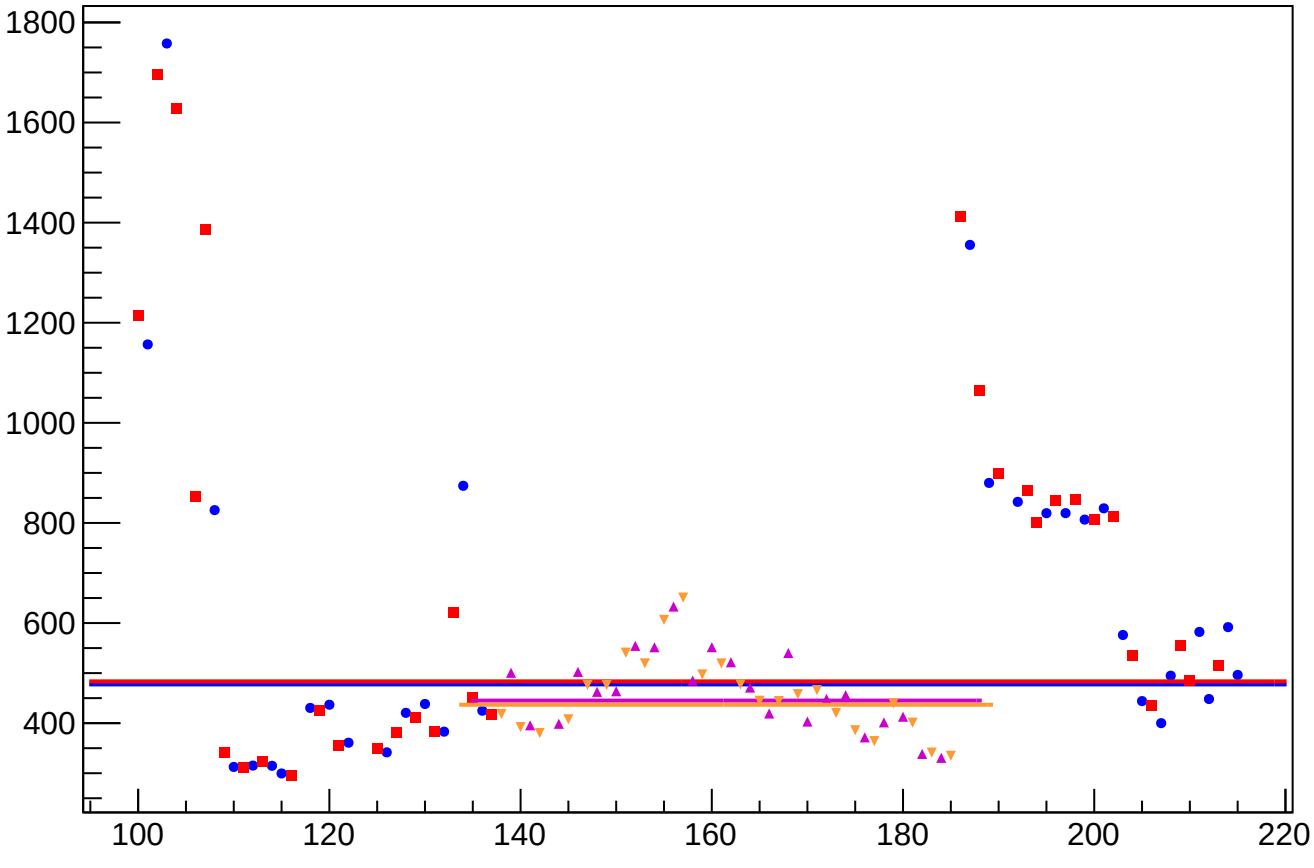
Right: 1117.937+/-0.130 χ^2/NDF: 903456.3/62

In: 1105.939+/-0.128 χ^2/NDF:689883.9/53

Out: 1111.647+/-0.130 χ^2/NDF:316061.0/55

All: 1108.758+/-0.091 χ^2/NDF: 1006925.5/10


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -380.408+/-116.249 χ²/NDF: 45.4/30
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 494.737+/-122.798 χ²/NDF: 89.8/31
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 33.209+/-84.421 χ²/NDF: 162.0/62
In: -186.337+/-78.092 χ²/NDF:78.3/53
Out: 26.251+/-78.906 χ²/NDF:164.2/55
All: -81.145+/-55.505 χ²/NDF: 246.2/109



Right In: 477.421+/-0.082 χ^2/NDF: 4517267.9/30

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 483.510+/-0.087 χ^2/NDF: 5734670.1/31

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

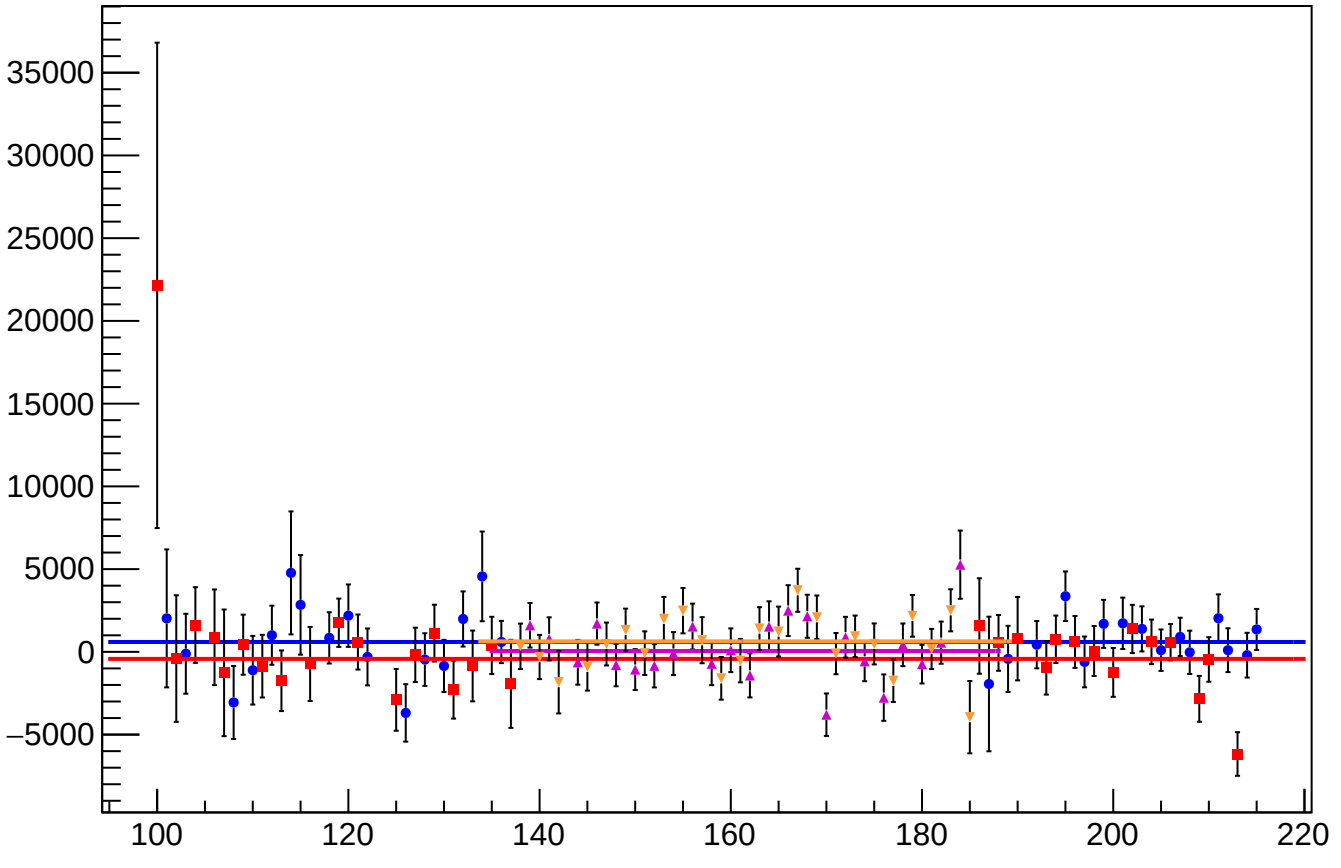
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 480.299+/-0.060 χ^2/NDF: 10254530.7/62

In: 459.690+/-0.055 χ^2/NDF:5476630.7/53

Out: 456.078+/-0.056 χ^2/NDF:6759898.0/55

All: 457.903+/-0.039 χ^2/NDF: 12238645.7/10



Right In: 597.241+/-291.691 χ^2/NDF: 25.2/30

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -425.111+/-305.968 χ^2/NDF: 38.9/31

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

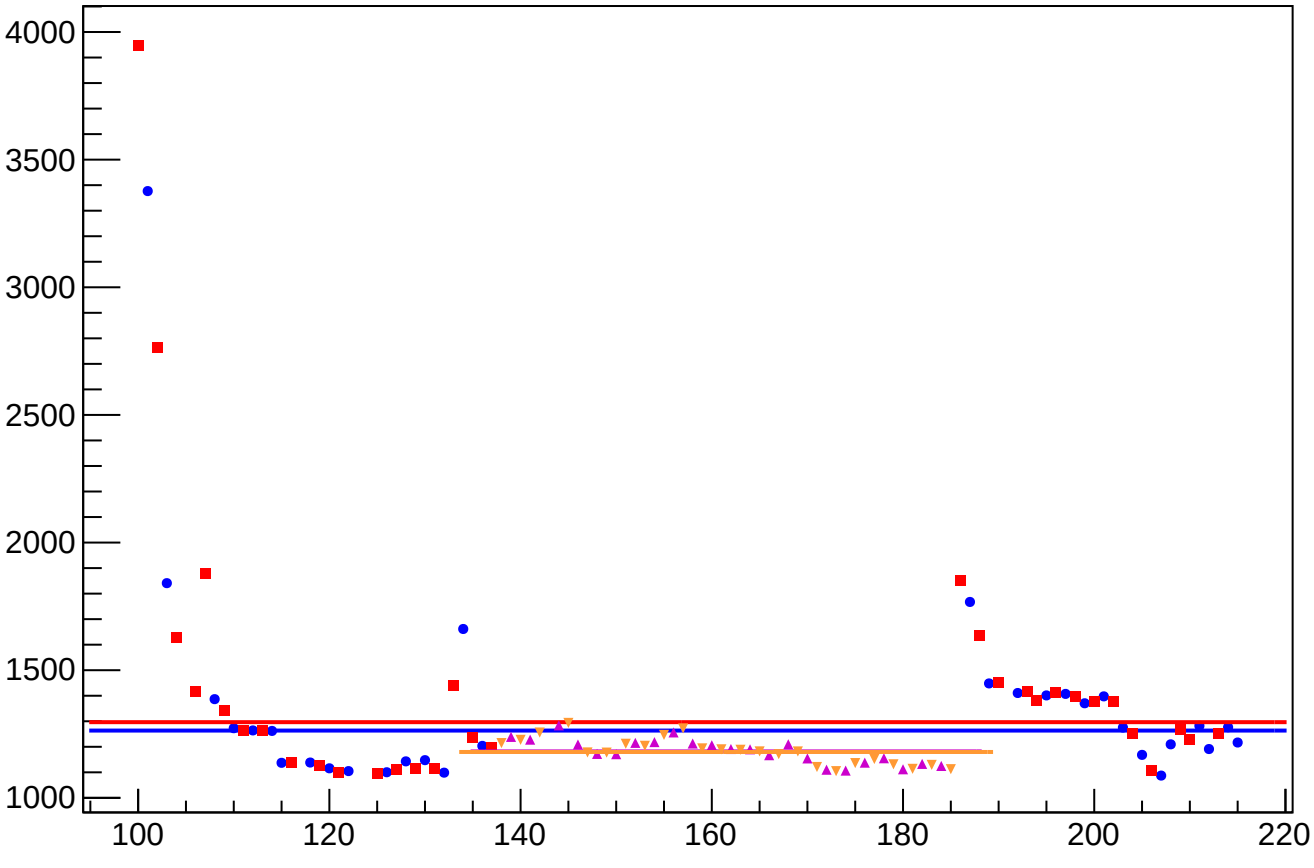
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 110.473+/-211.124 χ^2/NDF: 69.9/62

In: 309.156+/-200.561 χ^2/NDF:62.0/53

Out: 161.906+/-204.142 χ^2/NDF:75.6/55

All: 236.834+/-143.067 χ^2/NDF: 137.9/109



Right In: 1263.574+/-0.206 χ^2/NDF: 987284.5/30

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1296.490+/-0.216 χ^2/NDF: 909042.2/31

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

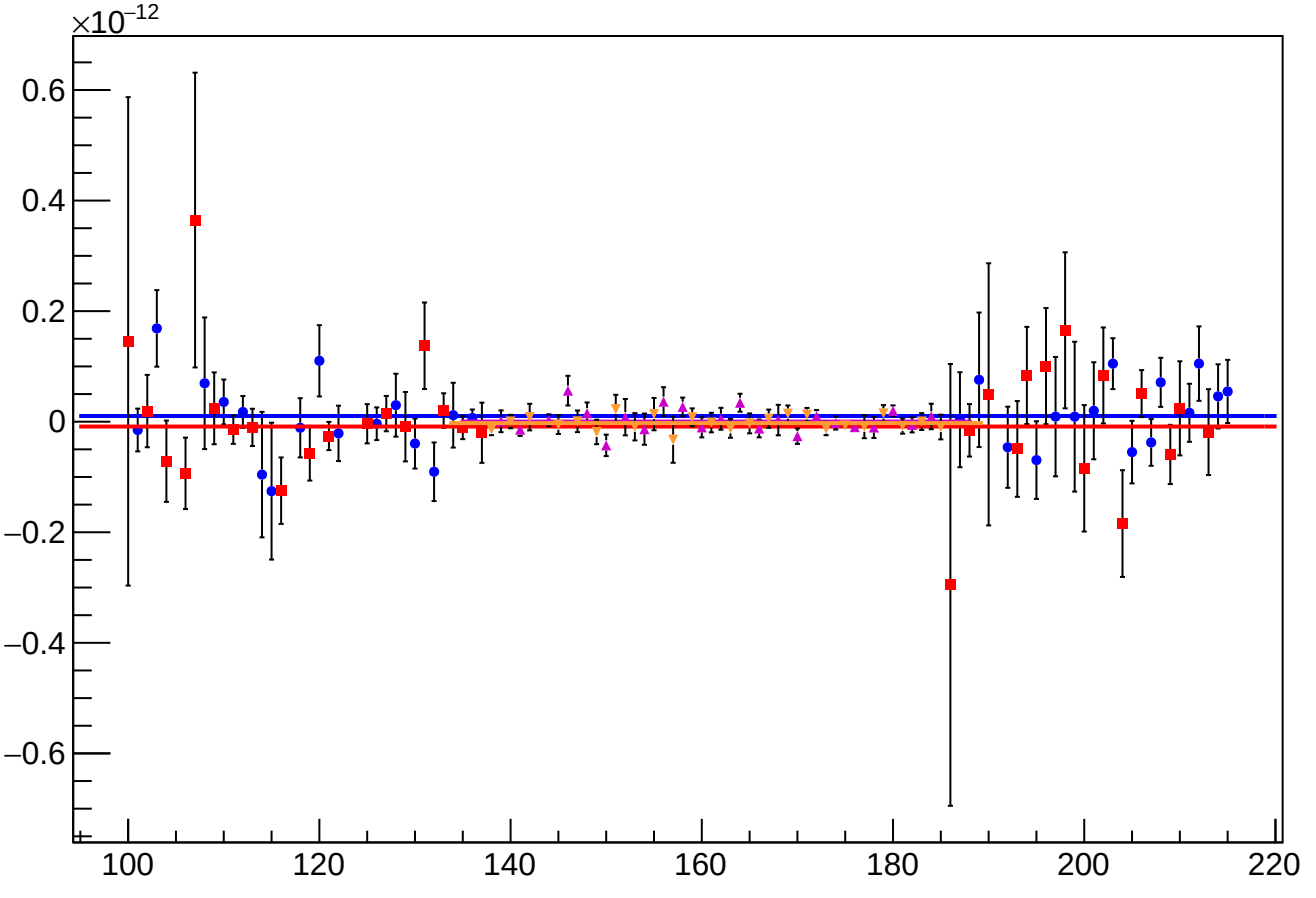
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1279.246+/-0.149 χ^2/NDF: 1908453.2/62

In: 1220.528+/-0.142 χ^2/NDF:1130252.4/53

Out: 1231.697+/-0.144 χ^2/NDF:1135355.5/55

All: 1226.014+/-0.101 χ^2/NDF: 2268654.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/31

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

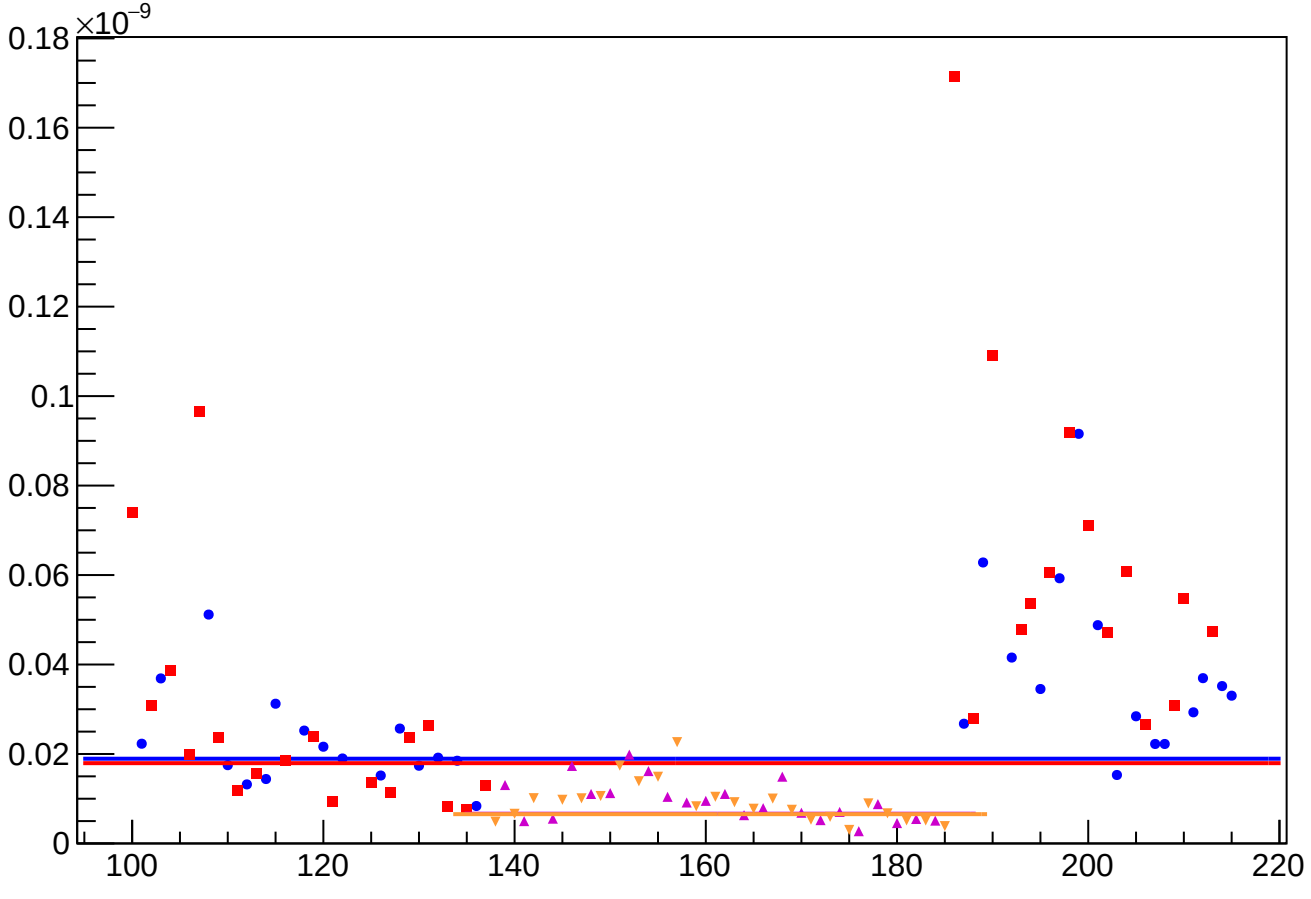
Right: 0.000+/-0.000 χ^2/NDF: 60.6/62

In: 0.000+/-0.000 χ^2/NDF:64.3/53

Out: -0.000+/-0.000 χ^2/NDF:38.5/55

All: -0.000+/-0.000 χ^2/NDF: 104.1/109

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3686773.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5750725.7/31

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

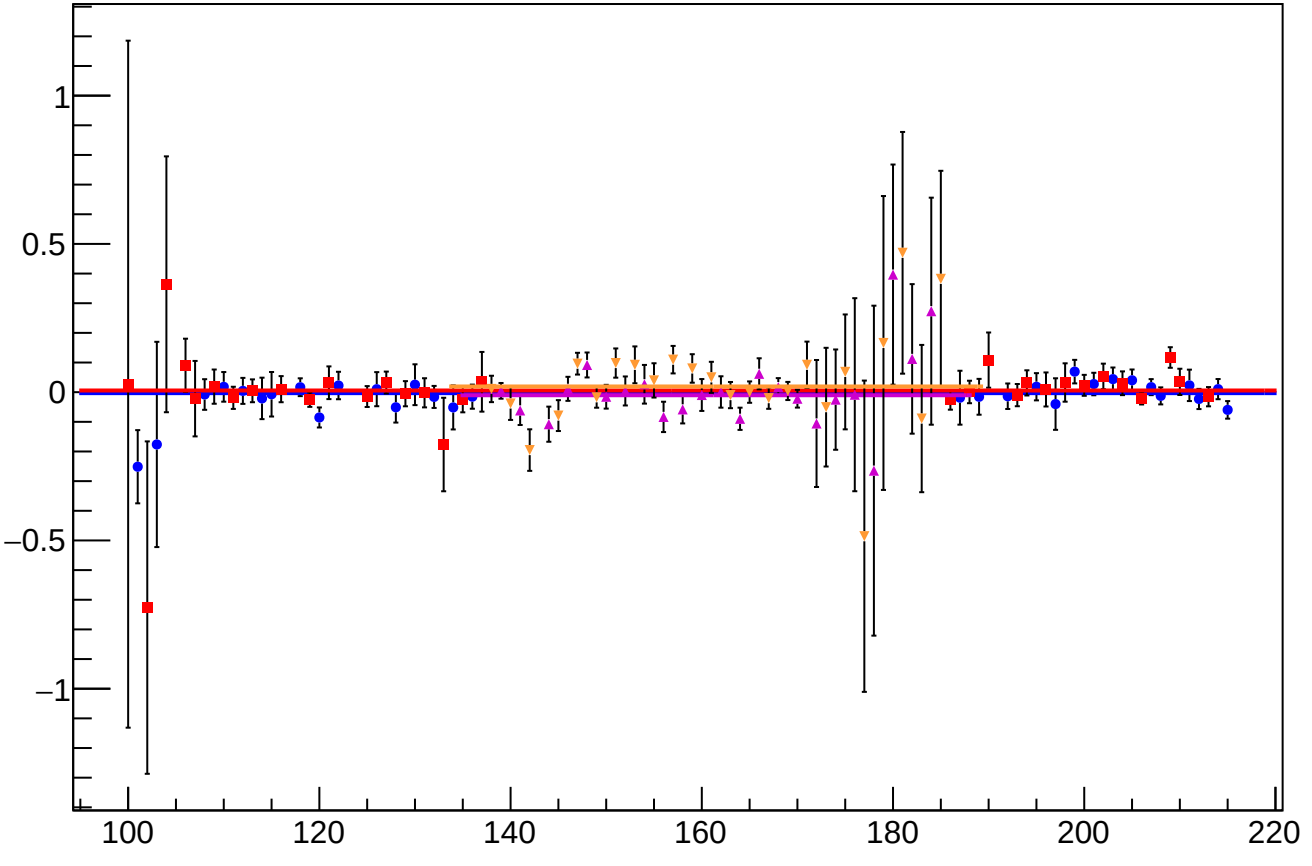
Right: 0.000+/-0.000 χ^2/NDF: 9451504.8/62

In: 0.000+/-0.000 χ^2/NDF:10117681.6/53

Out: 0.000+/-0.000 χ^2/NDF:11267317.5/55

All: 0.000+/-0.000 χ^2/NDF: 21397367.5/109

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.008 χ^2/NDF: 25.4/30

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.006+/-0.008 χ^2/NDF: 25.9/31

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

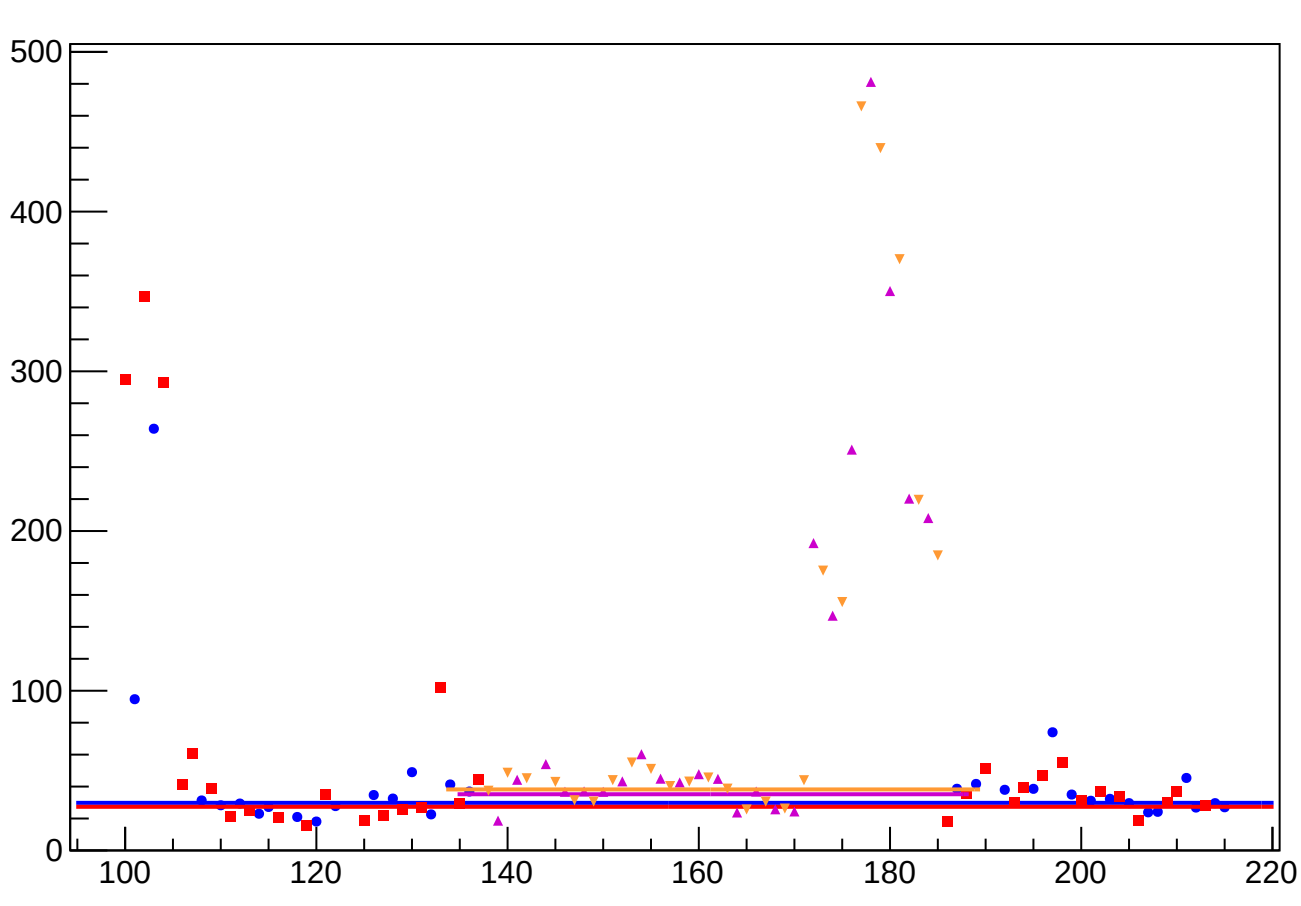
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.001+/-0.005 χ^2/NDF: 51.9/62

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.002+/-0.004 χ^2/NDF: 115.5/109



Right In: 29.808+/-0.005 χ^2/NDF: 3453372.7/30

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.333+/-0.005 χ^2/NDF: 4820832.4/31

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

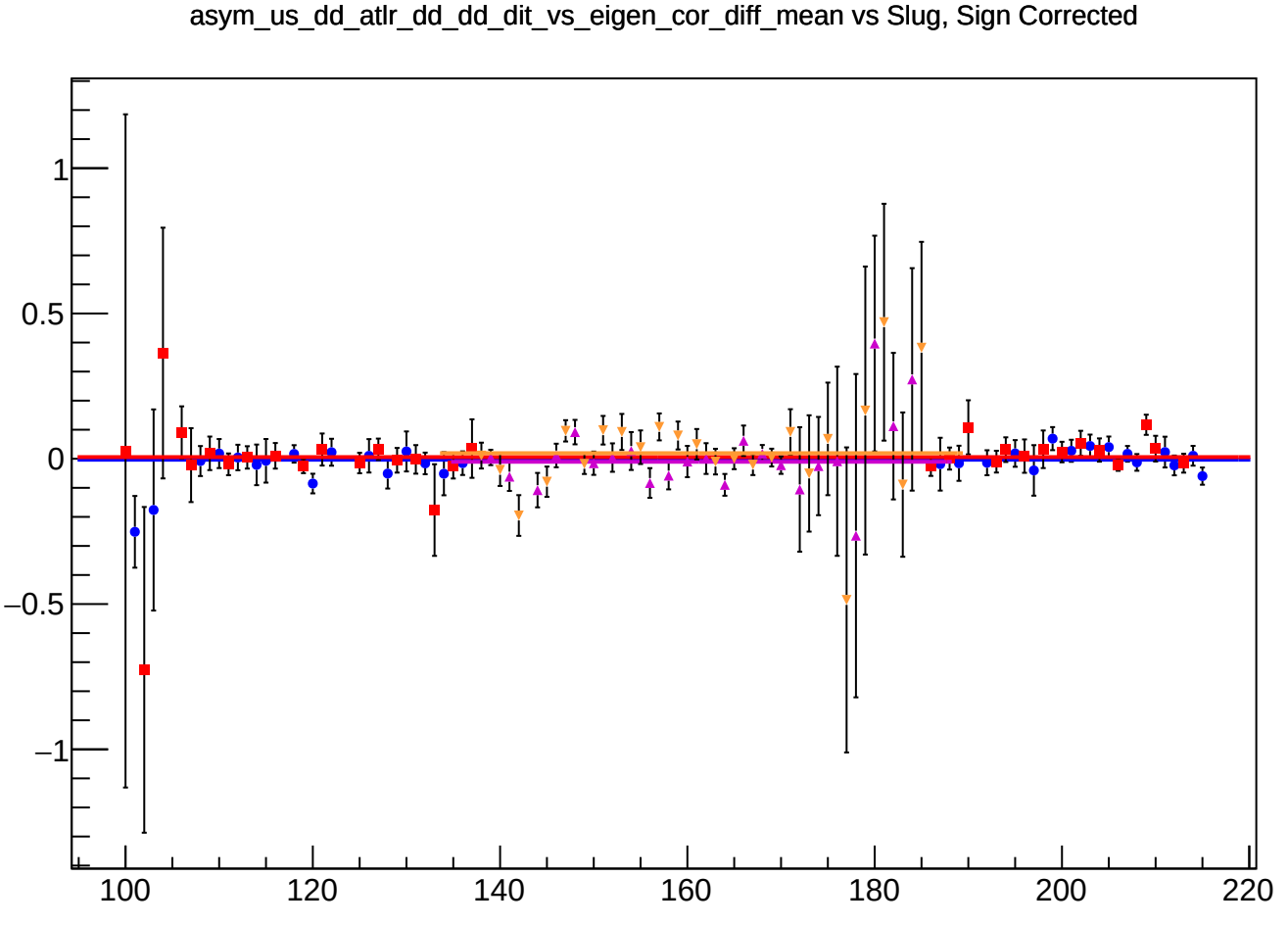
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.537+/-0.004 χ^2/NDF: 8379237.9/62

In: 31.762+/-0.004 χ^2/NDF:13195526.9/53

Out: 30.890+/-0.004 χ^2/NDF:14469612.5/55

All: 31.326+/-0.003 χ^2/NDF: 27685053.1/109



Right In: -0.003+/-0.008 χ^2/NDF: 25.4/30

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.006+/-0.008 χ^2/NDF: 25.9/31

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

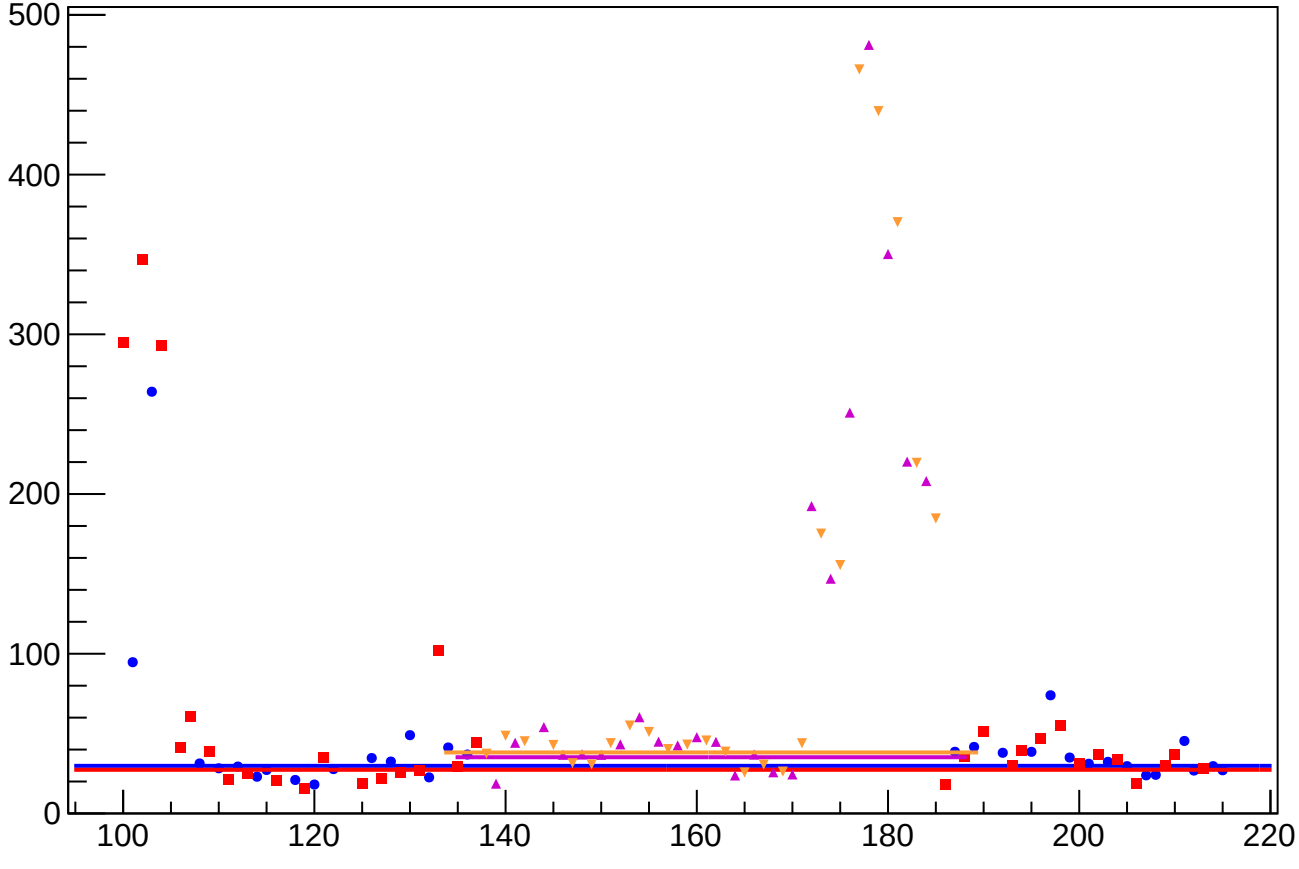
Right: 0.001+/-0.005 χ^2/NDF: 51.9/62

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.002+/-0.004 χ^2/NDF: 115.5/109

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.808+/-0.005 χ^2/NDF: 3453372.7/30

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.333+/-0.005 χ^2/NDF: 4820832.4/31

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

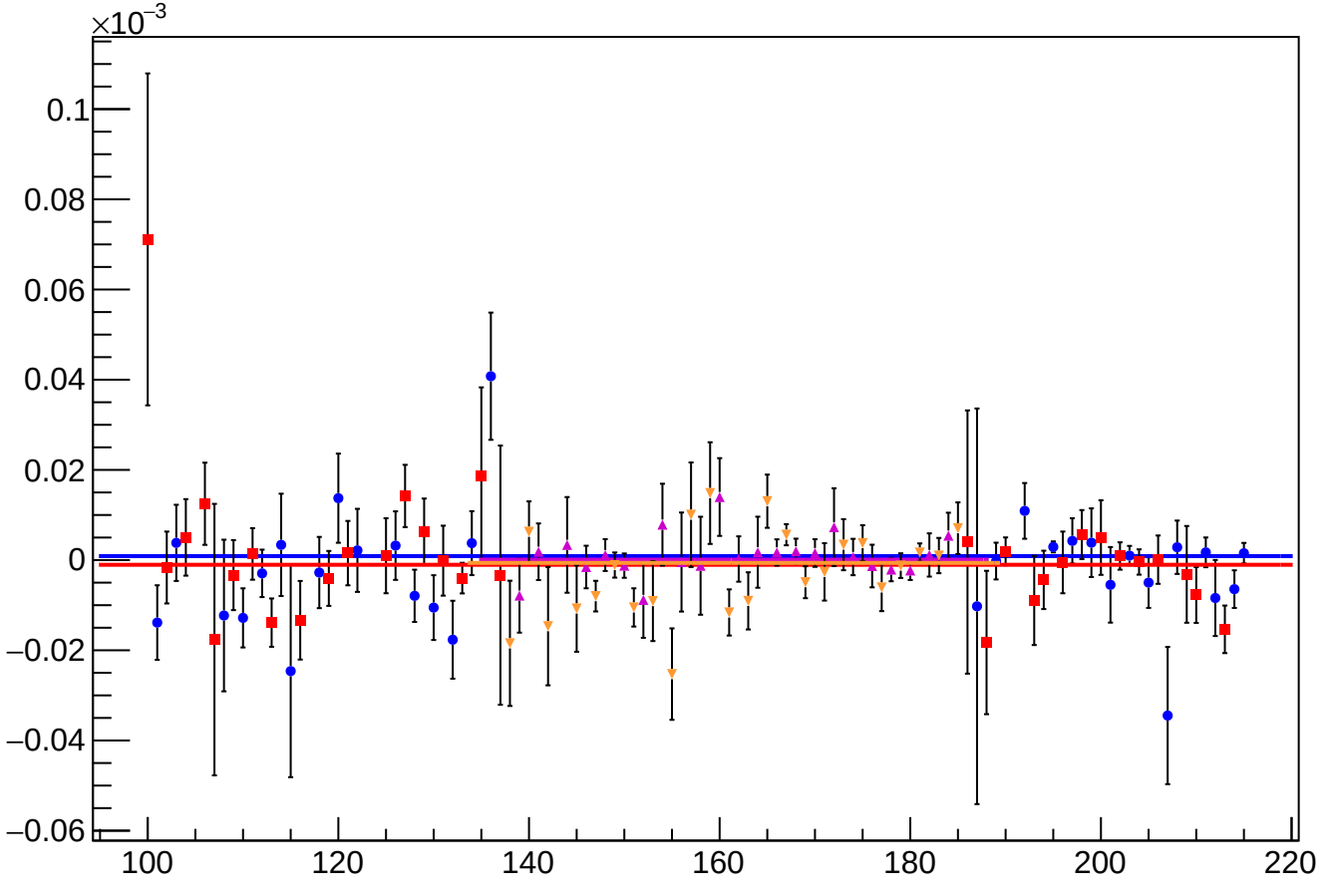
Right: 28.537+/-0.004 χ^2/NDF: 8379237.9/62

In: 31.762+/-0.004 χ^2/NDF:13195526.9/53

Out: 30.890+/-0.004 χ^2/NDF:14469612.5/55

All: 31.326+/-0.003 χ^2/NDF: 27685053.1/109

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: 47.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/31

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

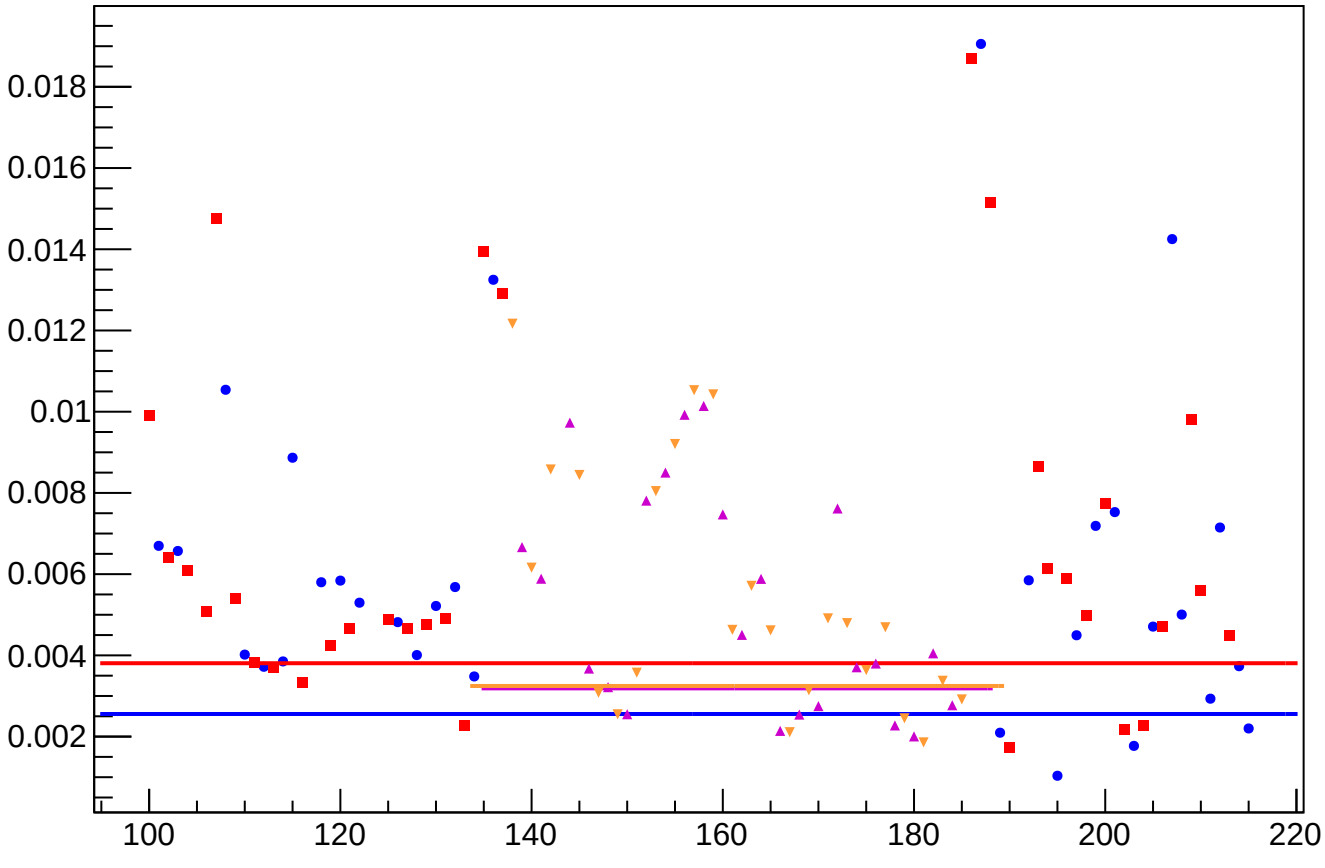
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 86.8/62

In: 0.000+/-0.000 χ^2/NDF:58.9/53

Out: -0.000+/-0.000 χ^2/NDF:88.4/55

All: -0.000+/-0.000 χ^2/NDF: 149.6/109



Right In: 0.003+/-0.000 χ^2/NDF: 13168185.1/30

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 8098185.8/31

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

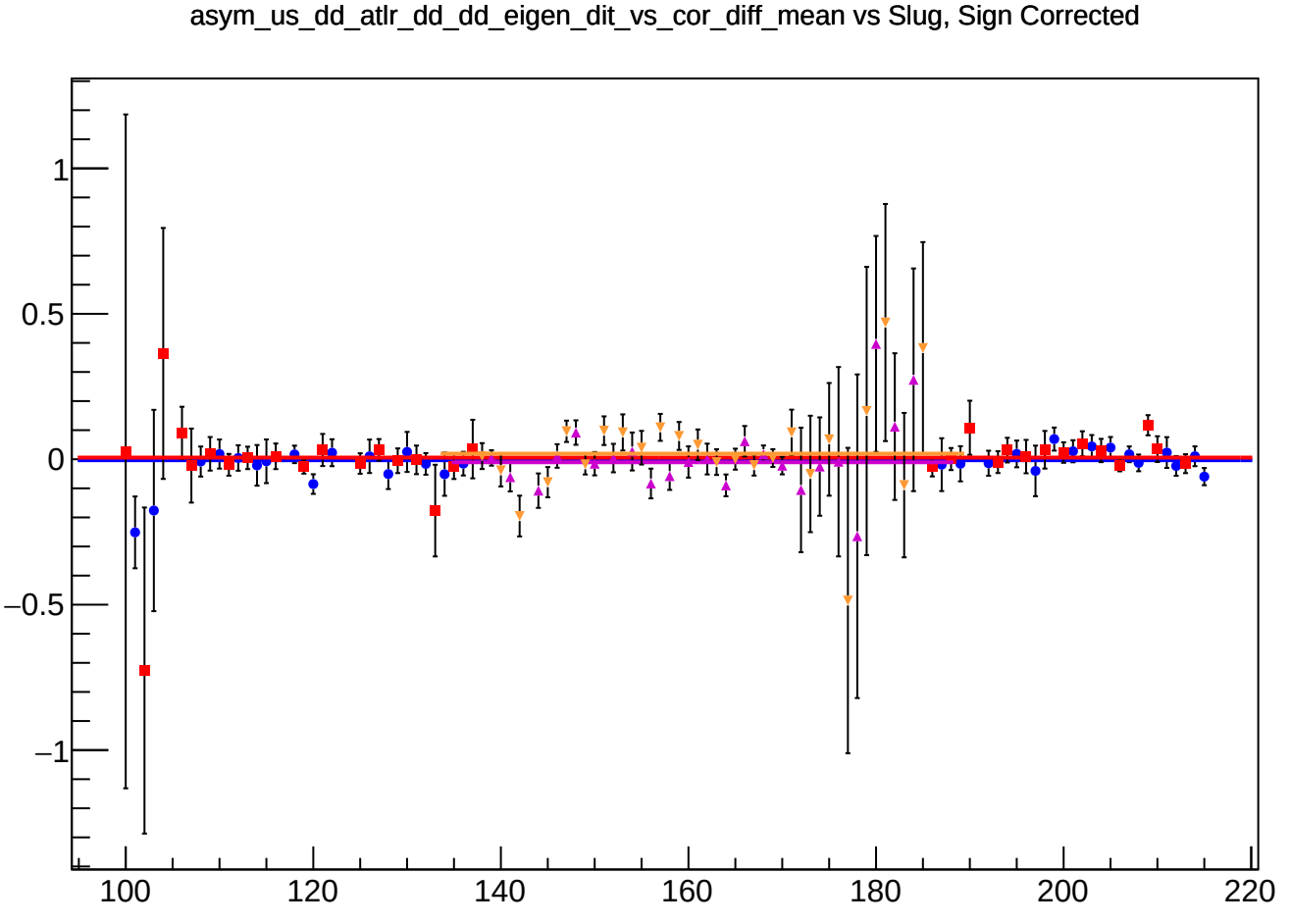
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 23111315.7/62

In: 0.003+/-0.000 χ^2/NDF:21070859.6/53

Out: 0.003+/-0.000 χ^2/NDF:16172592.0/55

All: 0.003+/-0.000 χ^2/NDF: 38293256.2/109



Right In: -0.003+/-0.008 χ^2/NDF: 25.4/30

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.006+/-0.008 χ^2/NDF: 25.9/31

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

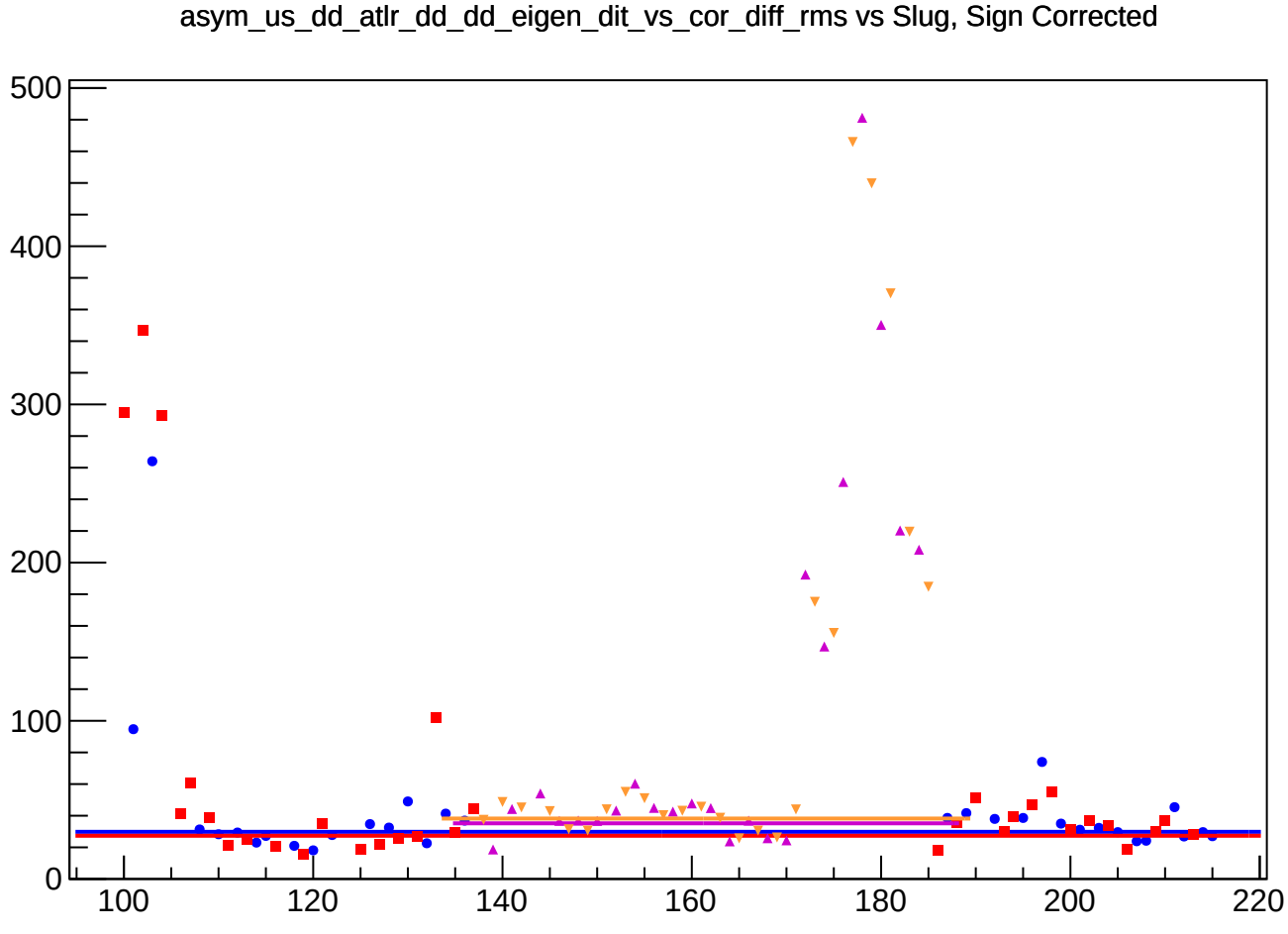
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.001+/-0.005 χ^2/NDF: 51.9/62

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.002+/-0.004 χ^2/NDF: 115.5/109



Right In: 29.807+/-0.005 χ^2/NDF: 3453542.0/30

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.331+/-0.005 χ^2/NDF: 4821099.6/31

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

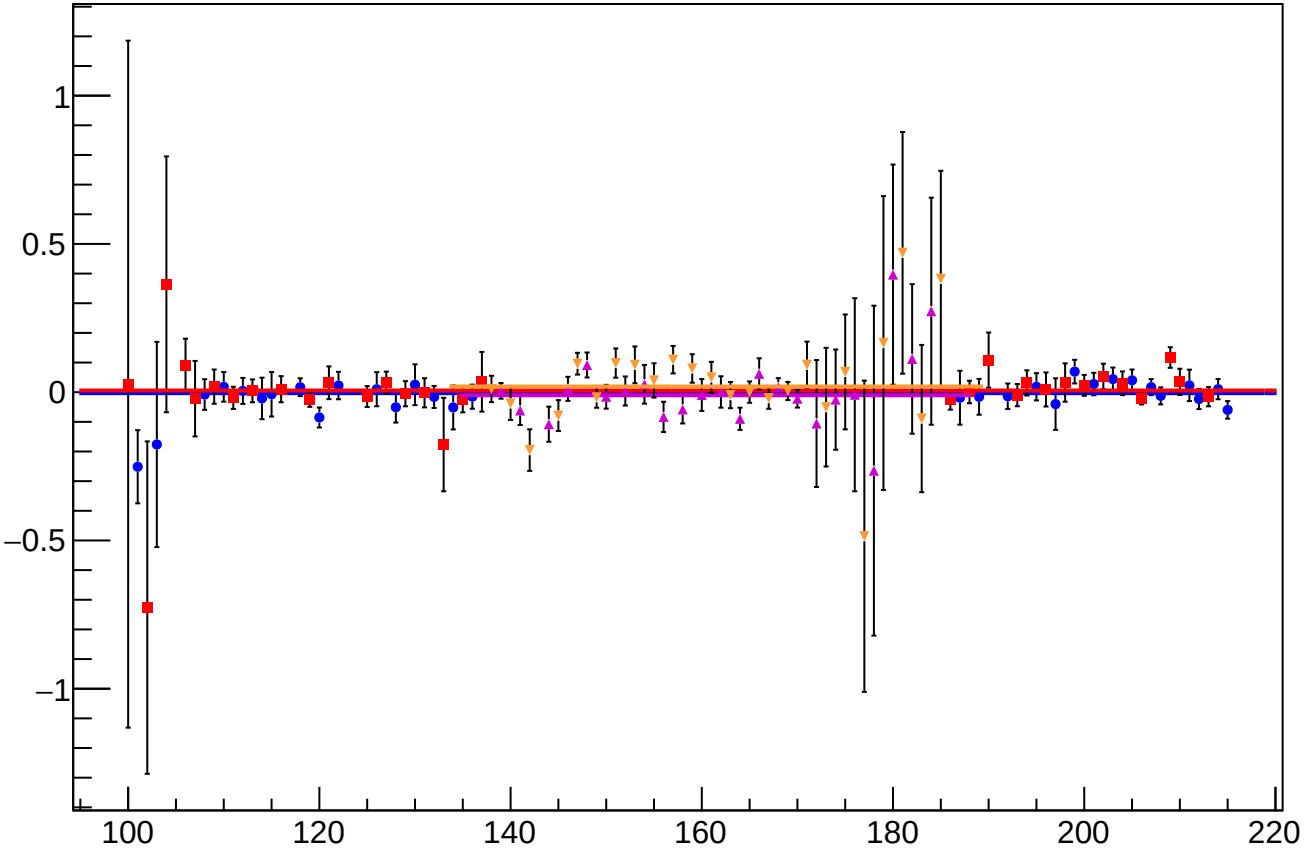
Right: 28.535+/-0.004 χ^2/NDF: 8379747.7/62

In: 31.761+/-0.004 χ^2/NDF:13196175.3/53

Out: 30.888+/-0.004 χ^2/NDF:14470362.4/55

All: 31.325+/-0.003 χ^2/NDF: 27686484.5/109

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.008 χ^2/NDF: 25.4/30

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.006+/-0.008 χ^2/NDF: 25.9/31

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

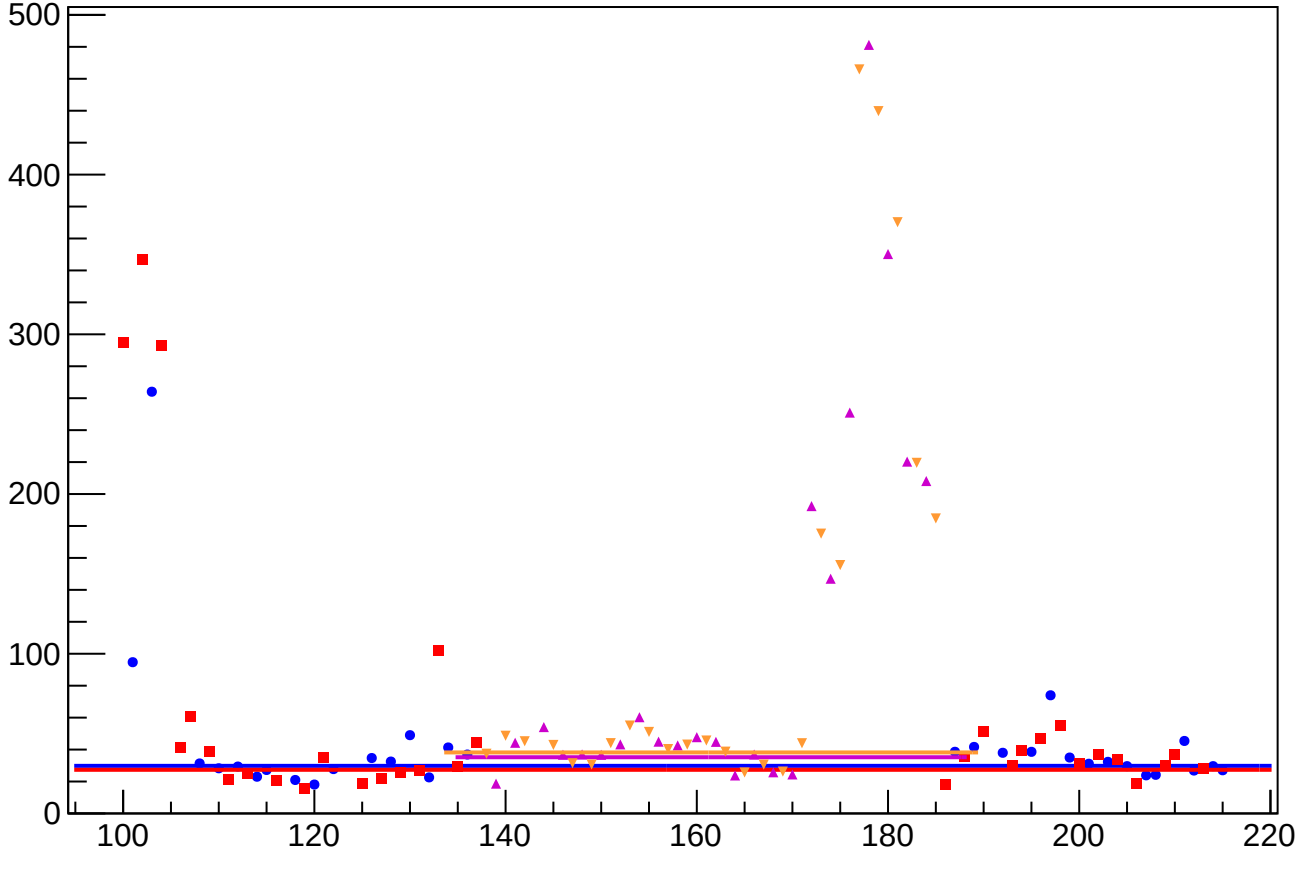
Right: 0.001+/-0.005 χ^2/NDF: 51.9/62

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.010+/-0.006 χ^2/NDF:62.9/55

All: 0.002+/-0.004 χ^2/NDF: 115.5/109

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.807+/-0.005 χ^2/NDF: 3453542.0/30

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.331+/-0.005 χ^2/NDF: 4821099.6/31

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

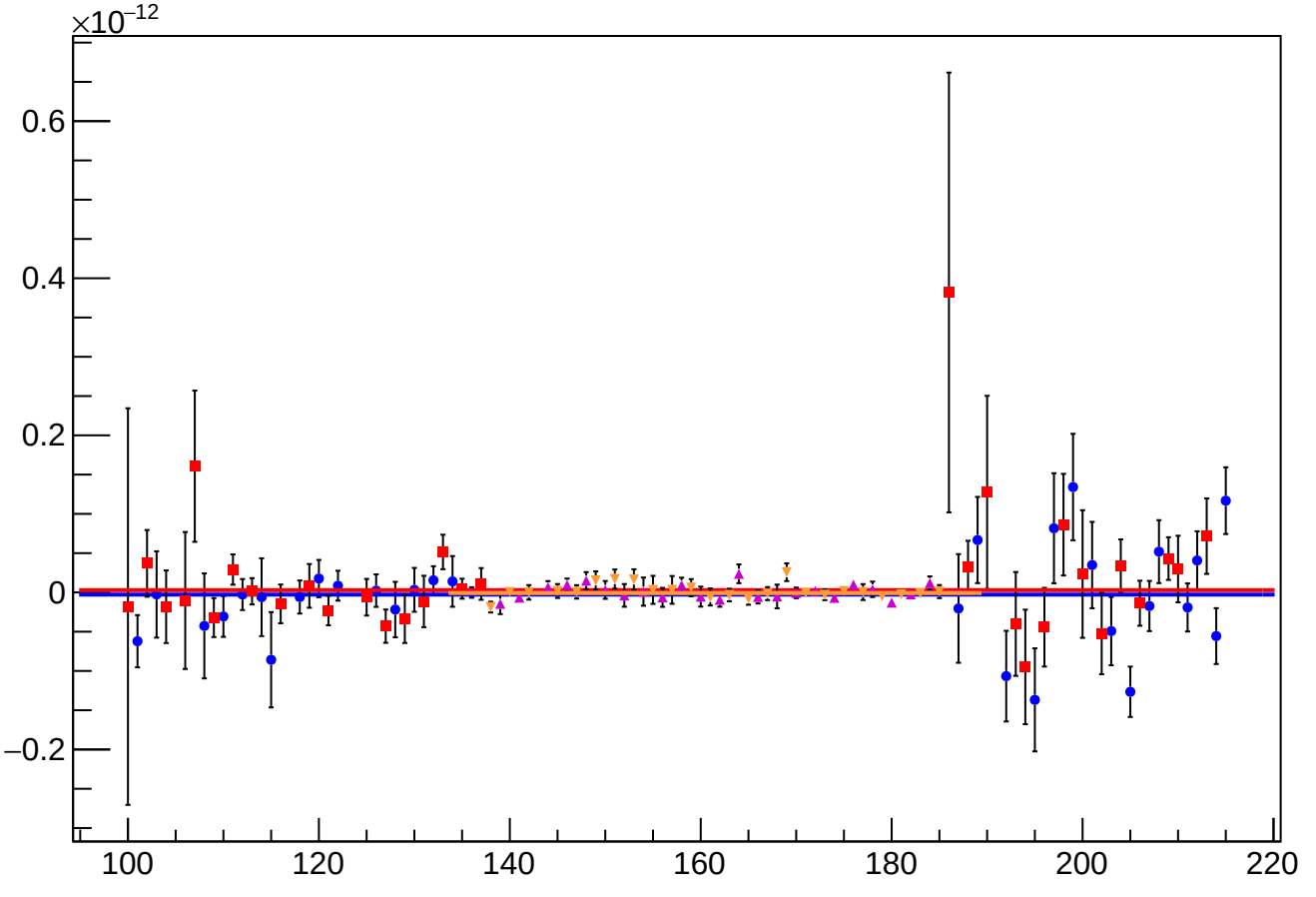
Right: 28.535+/-0.004 χ^2/NDF: 8379747.7/62

In: 31.761+/-0.004 χ^2/NDF:13196175.3/53

Out: 30.888+/-0.004 χ^2/NDF:14470362.4/55

All: 31.325+/-0.003 χ^2/NDF: 27686484.5/109

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 54.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/31

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

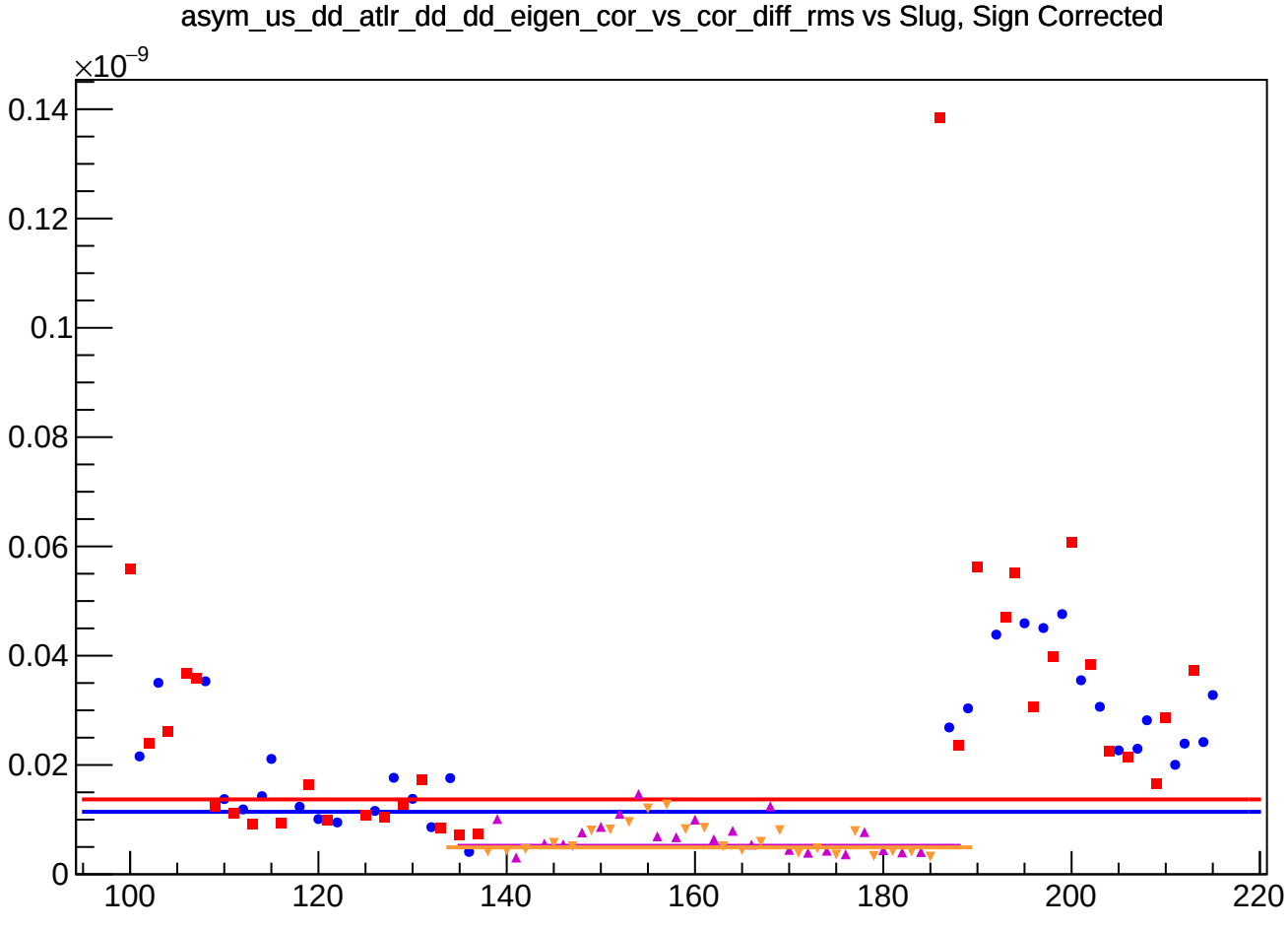
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

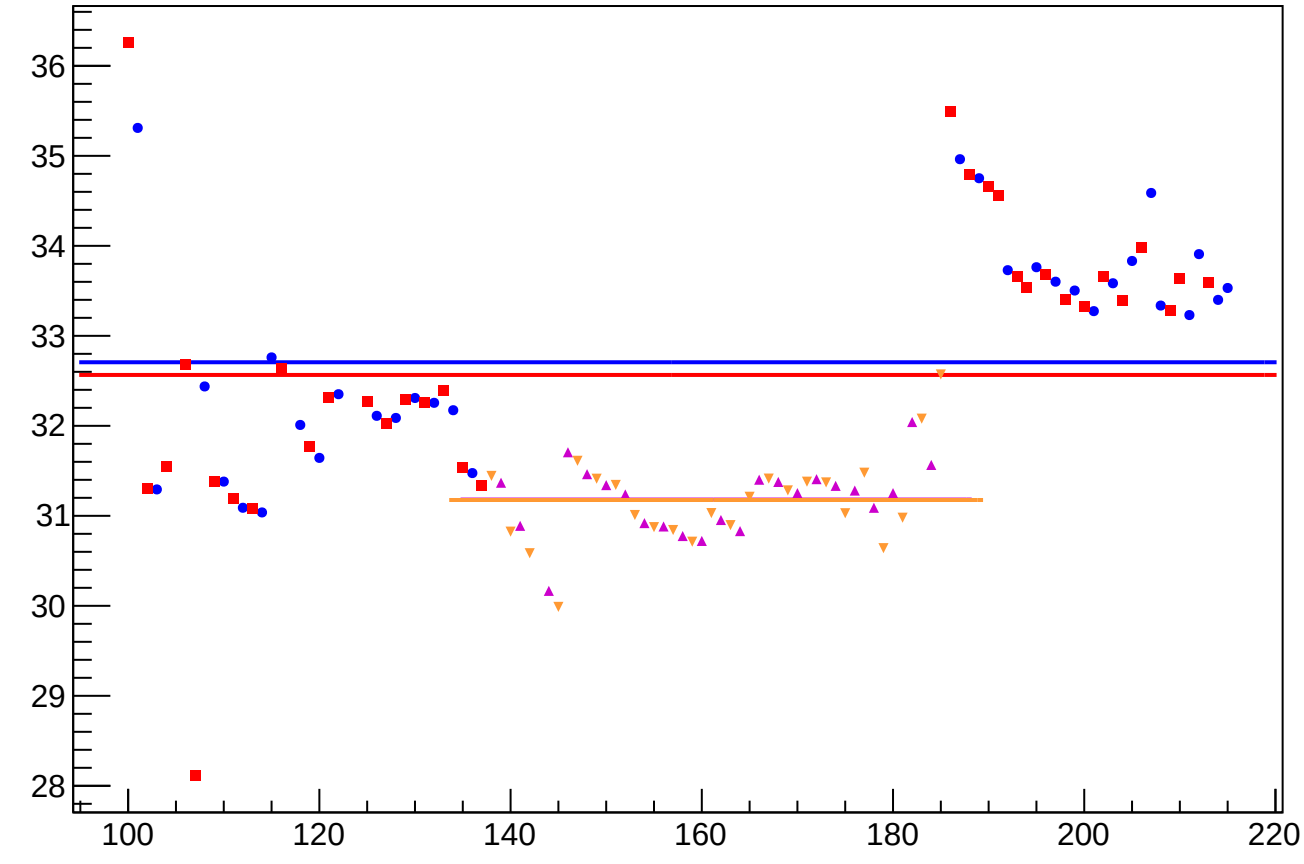
Right: -0.000+/-0.000 χ^2/NDF: 92.1/62

In: -0.000+/-0.000 χ^2/NDF:81.0/53

Out: -0.000+/-0.000 χ^2/NDF:58.5/55

All: -0.000+/-0.000 χ^2/NDF: 139.5/109


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: 8851284.6/30
Left Out: 0.000+/-0.000 χ²/NDF:2632036.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 6528695.0/31
Left In: 0.000+/-0.000 χ²/NDF:3449719.7/22
Left: 0.000+/-0.000 χ²/NDF: 6113497.8/46
Right: 0.000+/-0.000 χ²/NDF: 15608927.5/62
In: 0.000+/-0.000 χ²/NDF:15810778.0/53
Out: 0.000+/-0.000 χ²/NDF:14600055.1/55
All: 0.000+/-0.000 χ²/NDF: 30445827.2/109



Right In: 32.706+/-0.000 χ^2/NDF: 2517749025.8/30

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.565+/-0.000 χ^2/NDF: 2272238488.9/32

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

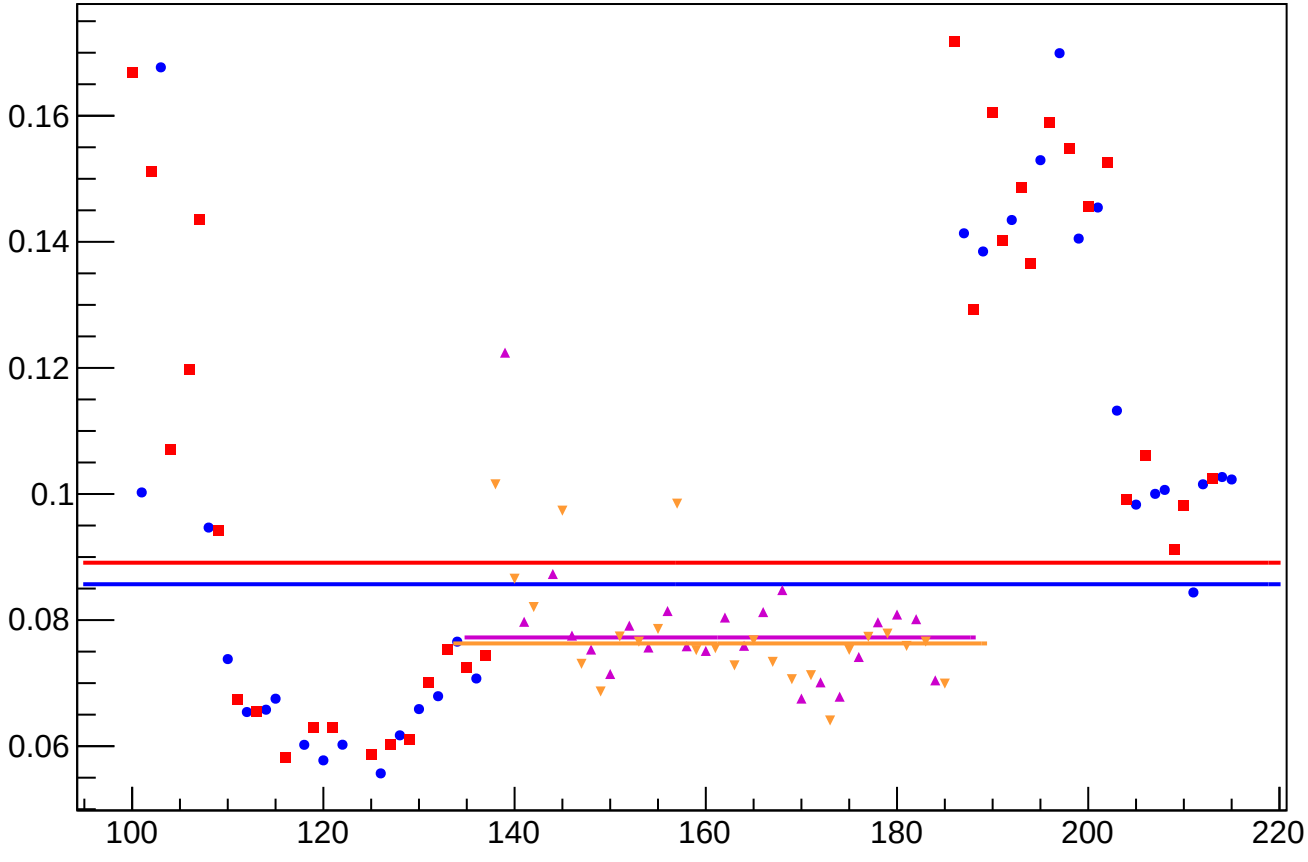
Right: 32.640+/-0.000 χ^2/NDF: 4810908504.2/63

In: 31.862+/-0.000 χ^2/NDF:5771704953.5/53

Out: 31.744+/-0.000 χ^2/NDF:5075319261.7/56

All: 31.804+/-0.000 χ^2/NDF: 10881069099.1

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 3594638.7/30

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.089+/-0.000 χ^2/NDF: 3988023.3/32

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

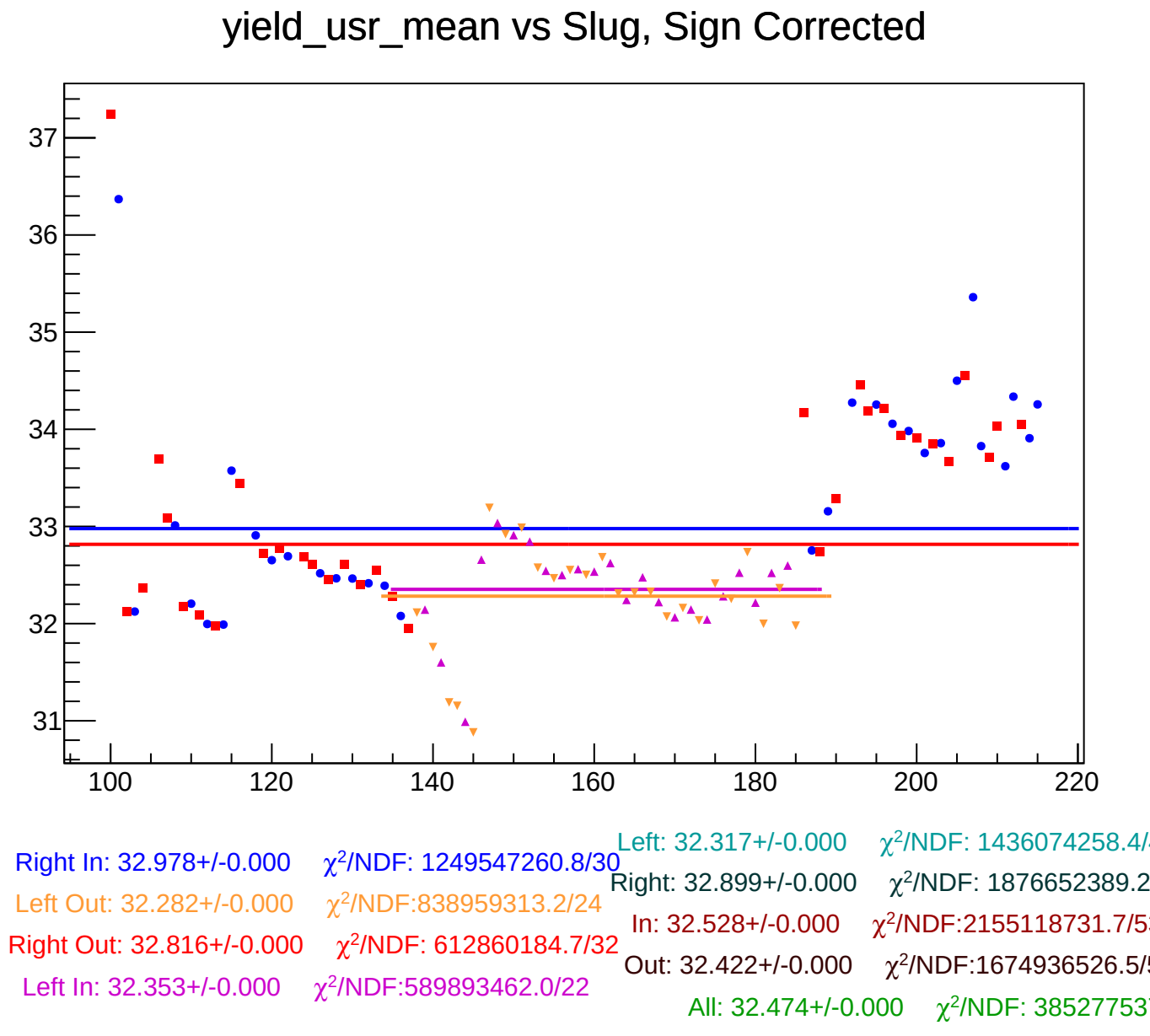
Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

Right: 0.087+/-0.000 χ^2/NDF: 7607207.0/63

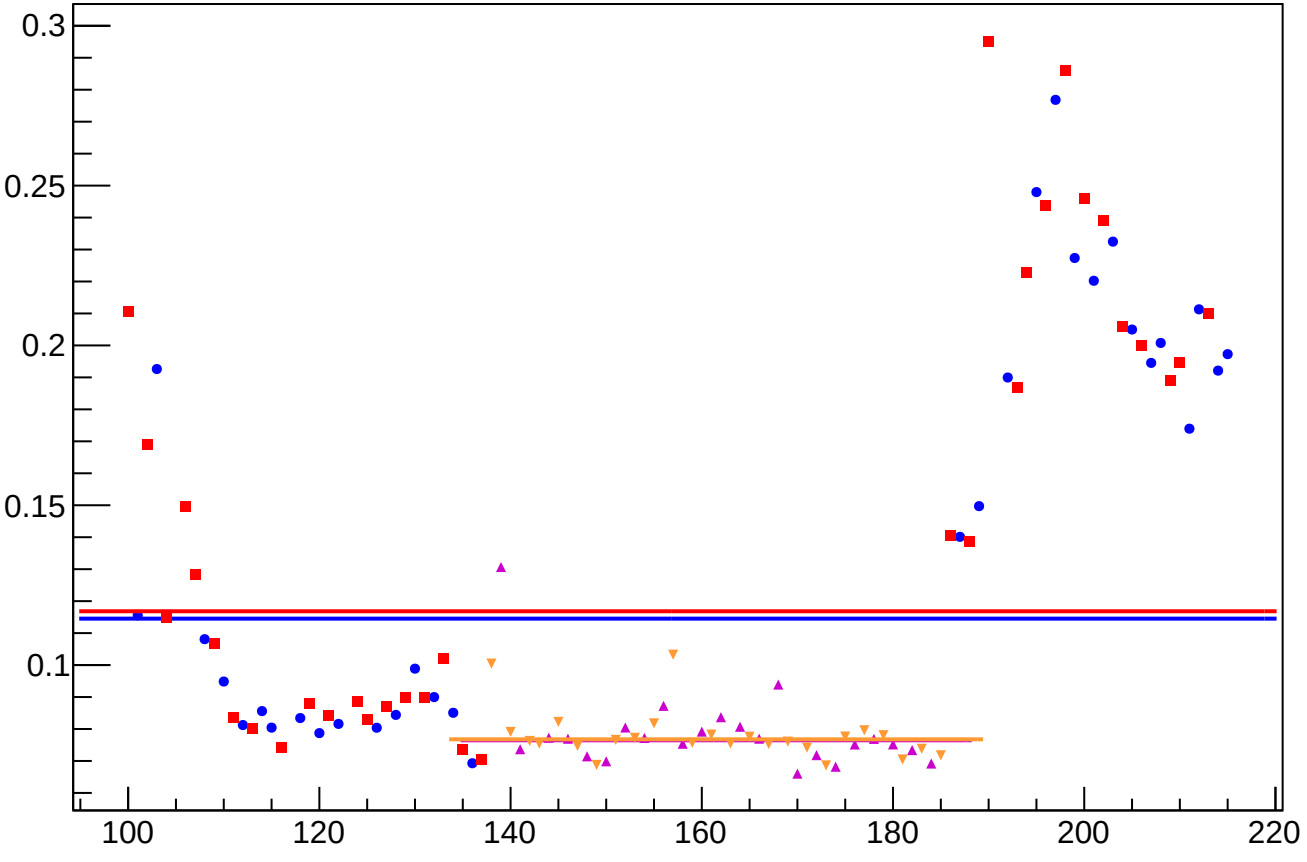
In: 0.081+/-0.000 χ^2/NDF:4136063.0/53

Out: 0.082+/-0.000 χ^2/NDF:4730909.4/56

All: 0.081+/-0.000 χ^2/NDF: 8868305.2/110


yield_usr_mean vs Slug, Sign Corrected
37
36
35
34
33
32
31
100
120
140
160
180
200
220
Right In: 32.978+/-0.000 χ²/NDF: 1249547260.8/30
Left Out: 32.282+/-0.000 χ²/NDF:838959313.2/24
Right Out: 32.816+/-0.000 χ²/NDF: 612860184.7/32
Left In: 32.353+/-0.000 χ²/NDF:589893462.0/22
Left: 32.317+/-0.000 χ²/NDF: 1436074258.4/47
Right: 32.899+/-0.000 χ²/NDF: 1876652389.2/63
In: 32.528+/-0.000 χ²/NDF:2155118731.7/53
Out: 32.422+/-0.000 χ²/NDF:1674936526.5/57
All: 32.474+/-0.000 χ²/NDF: 3852775377.4/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.115+/-0.000 χ^2/NDF: 6541561.3/30

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.117+/-0.000 χ^2/NDF: 6036615.4/32

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

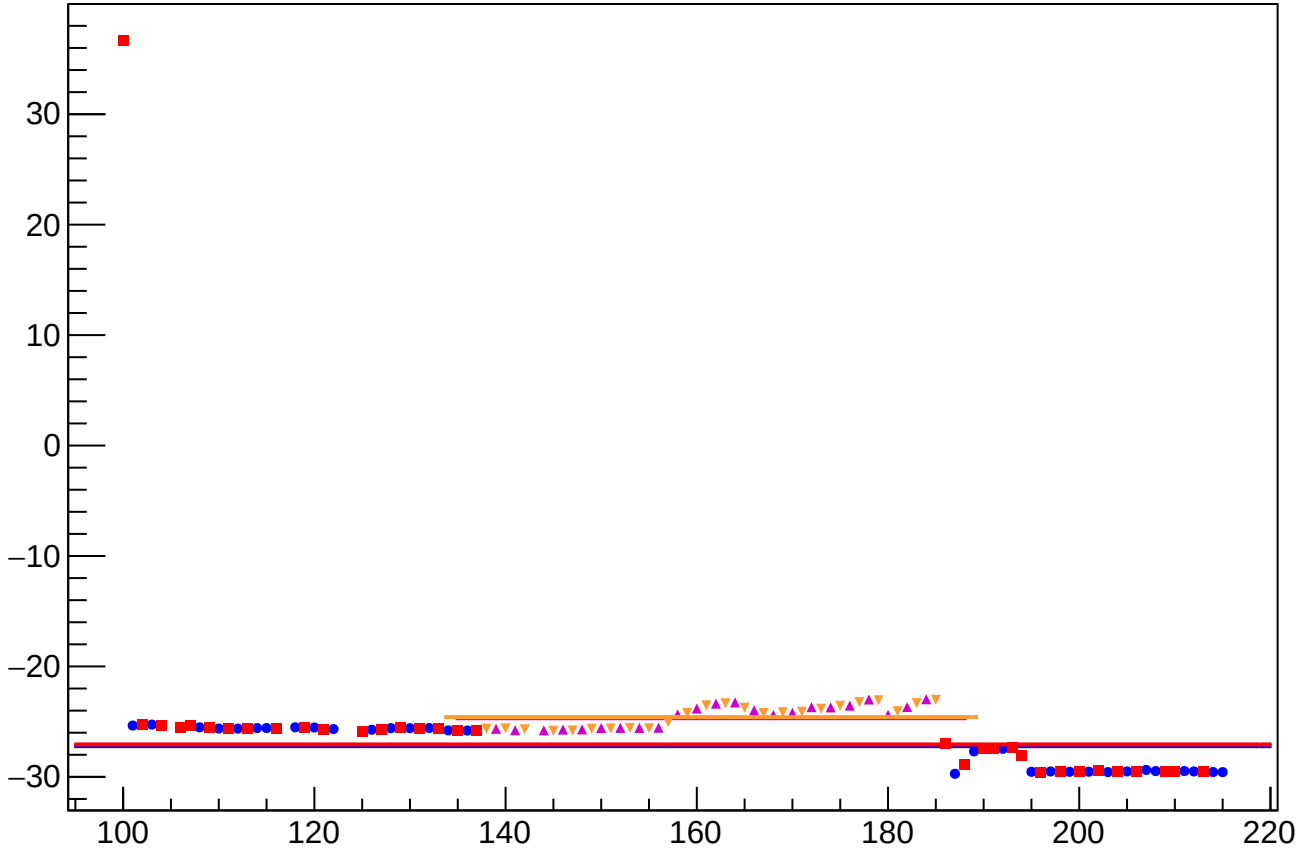
Right: 0.116+/-0.000 χ^2/NDF: 12583971.0/63

In: 0.087+/-0.000 χ^2/NDF:9363251.7/53

Out: 0.087+/-0.000 χ^2/NDF:8801692.9/57

All: 0.087+/-0.000 χ^2/NDF: 18164972.5/111

yield_dsl_mean vs Slug, Sign Corrected



Right In: -27.220+/-0.000 χ^2/NDF: 26316402060.5/30

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -27.063+/-0.000 χ^2/NDF: 32501453225.3/32

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

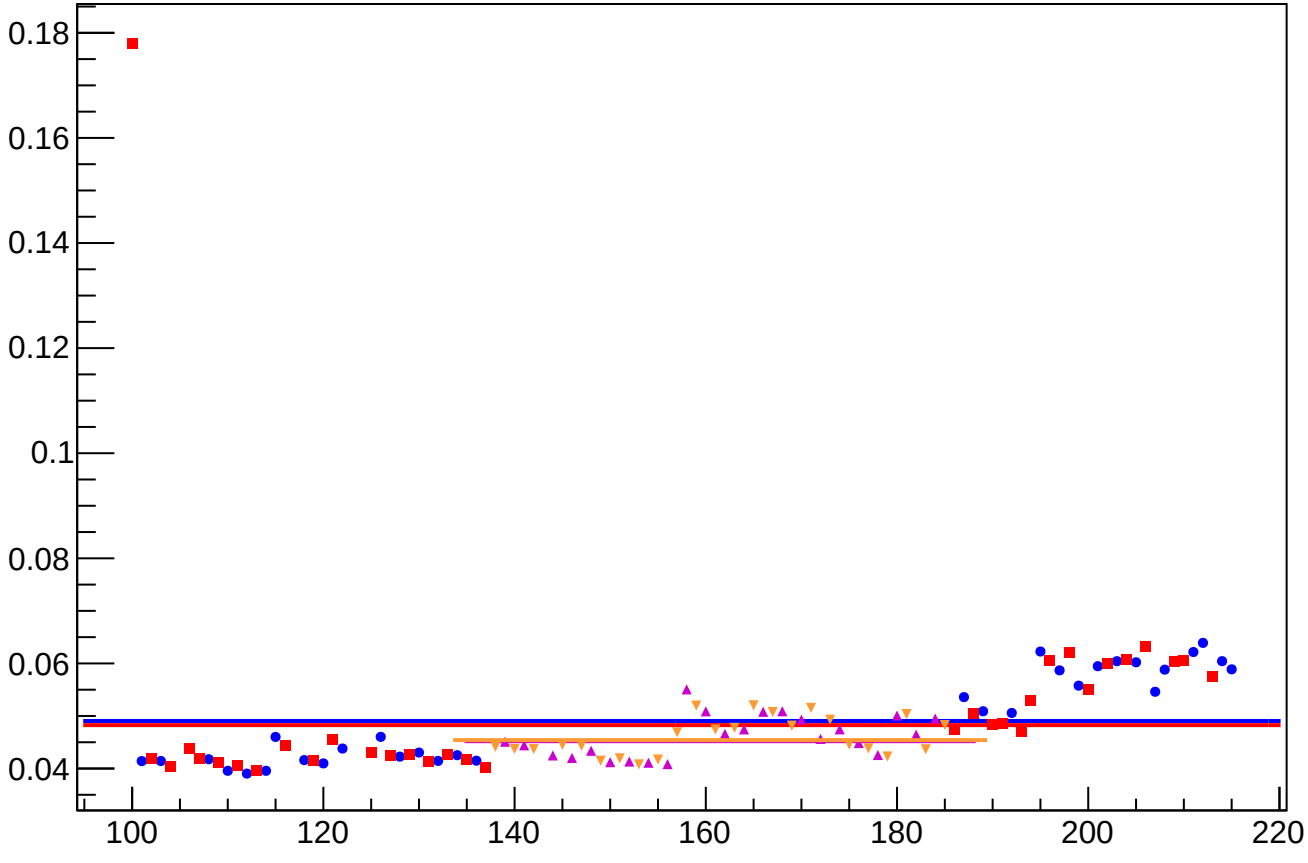
Right: -27.141+/-0.000 χ^2/NDF: 58911615499.9/63

In: -25.863+/-0.000 χ^2/NDF:61042065597.2/53

Out: -25.745+/-0.000 χ^2/NDF:66713460518.2/56

All: -25.804+/-0.000 χ^2/NDF: 12786922757

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.049+/-0.000 χ^2/NDF: 1093955.1/30

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.048+/-0.000 χ^2/NDF: 1036042.9/32

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

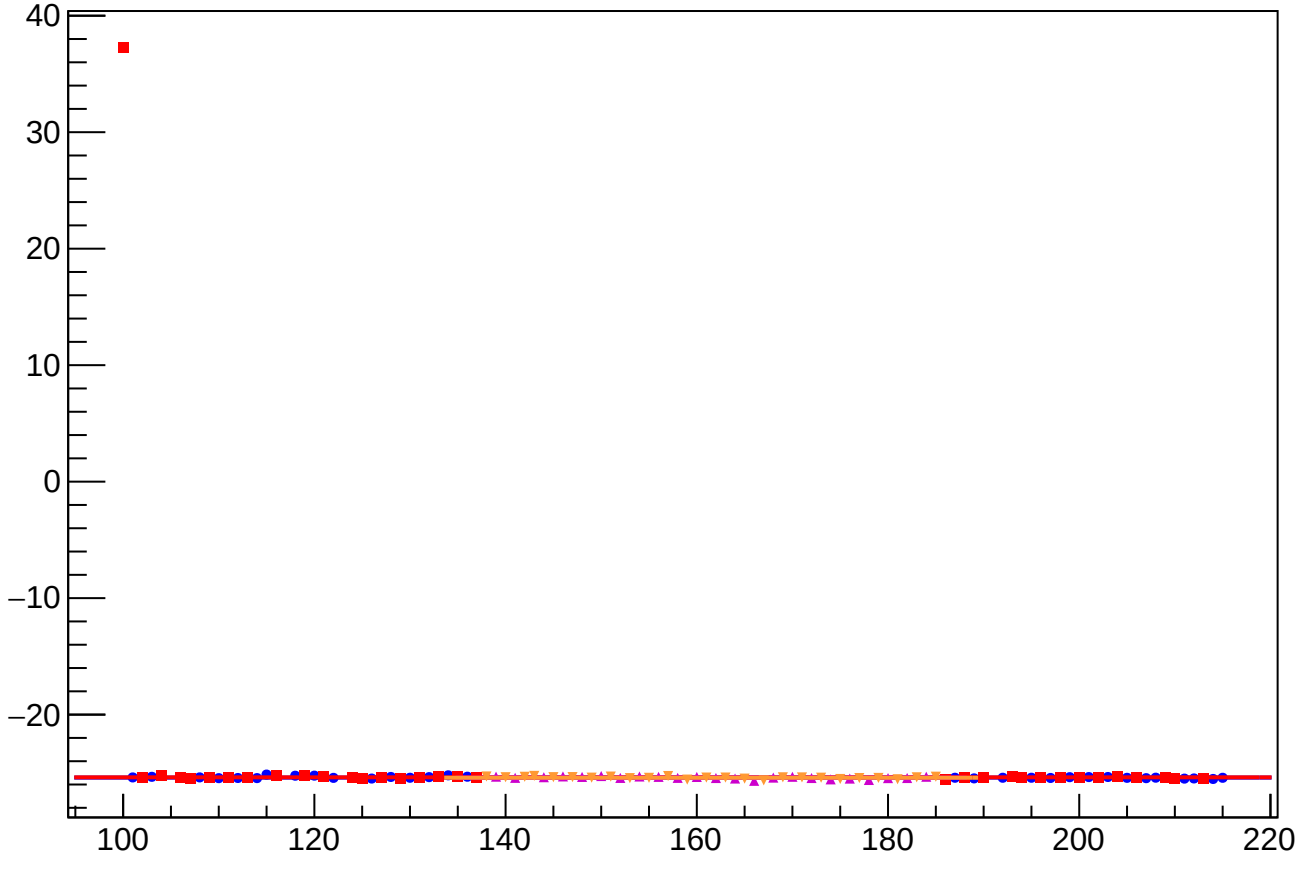
Right: 0.049+/-0.000 χ^2/NDF: 2134736.8/63

In: 0.047+/-0.000 χ^2/NDF:1458172.0/53

Out: 0.047+/-0.000 χ^2/NDF:1308145.1/56

All: 0.047+/-0.000 χ^2/NDF: 2767320.9/110

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.409+/-0.000 χ^2/NDF: 31843899.1/30

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.385+/-0.000 χ^2/NDF: 6345466680.6/32

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

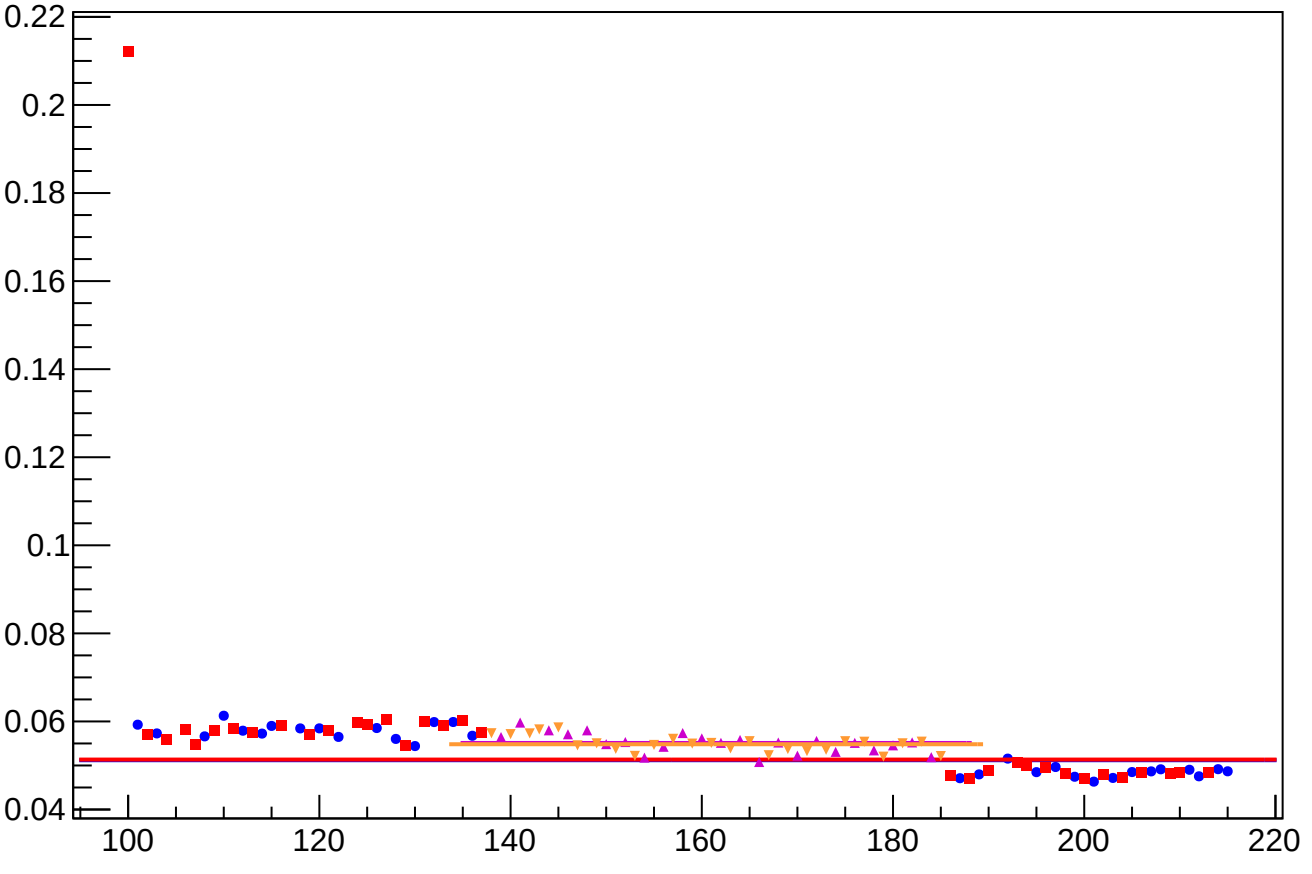
Right: -25.397+/-0.000 χ^2/NDF: 6379389518.8/63

In: -25.411+/-0.000 χ^2/NDF:87788386.1/53

Out: -25.400+/-0.000 χ^2/NDF:6401087287.4/57

All: -25.406+/-0.000 χ^2/NDF: 6489731610.5/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.051+/-0.000 χ^2/NDF: 278568.7/30

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.051+/-0.000 χ^2/NDF: 375652.6/32

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

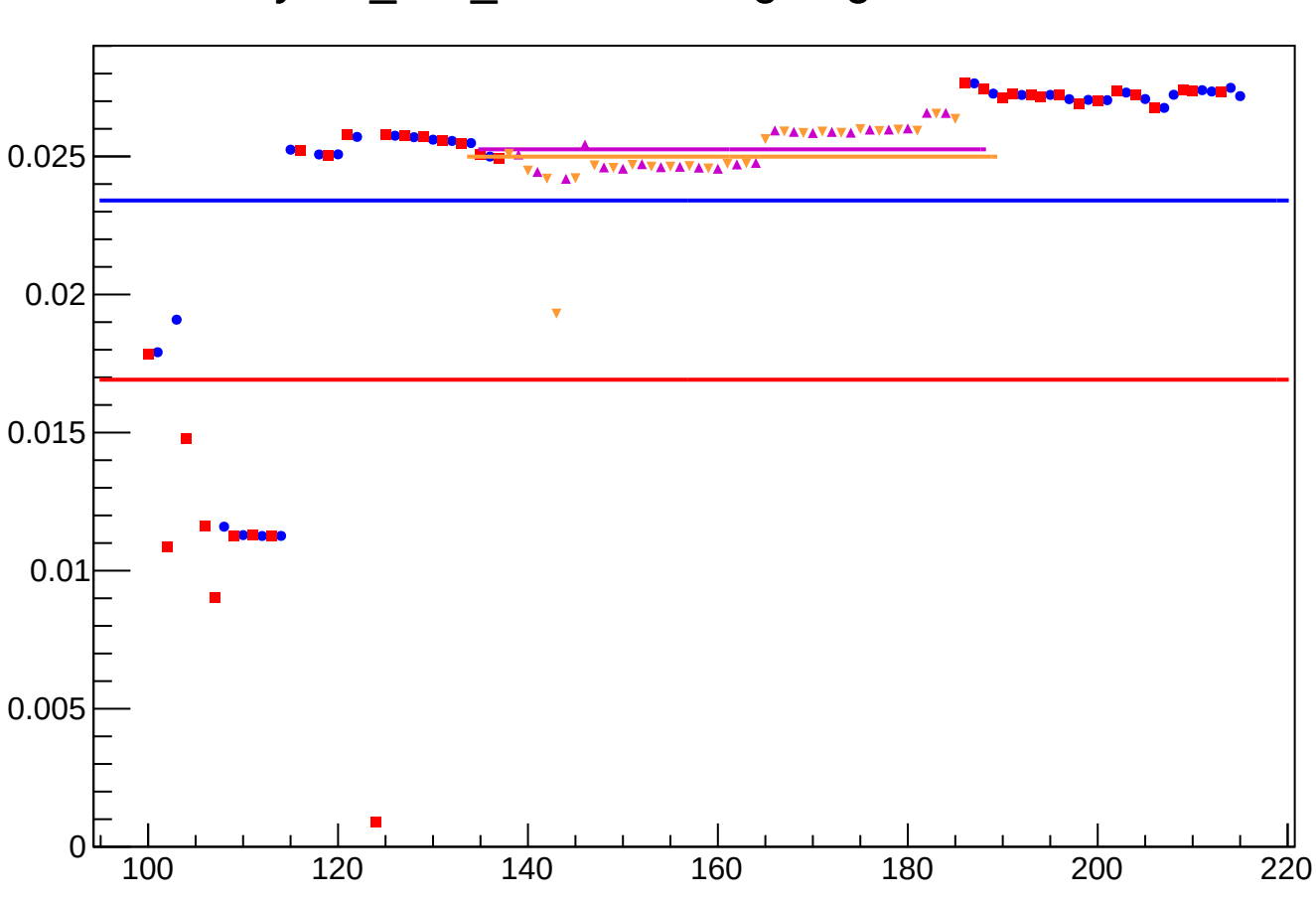
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.051+/-0.000 χ^2/NDF: 654371.9/63

In: 0.053+/-0.000 χ^2/NDF:428414.3/53

Out: 0.053+/-0.000 χ^2/NDF:492888.4/57

All: 0.053+/-0.000 χ^2/NDF: 921319.8/111



Right In: 0.023+/-0.000 χ^2/NDF: 101865886365.1/30

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.017+/-0.000 χ^2/NDF: 472010467401.3/33

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

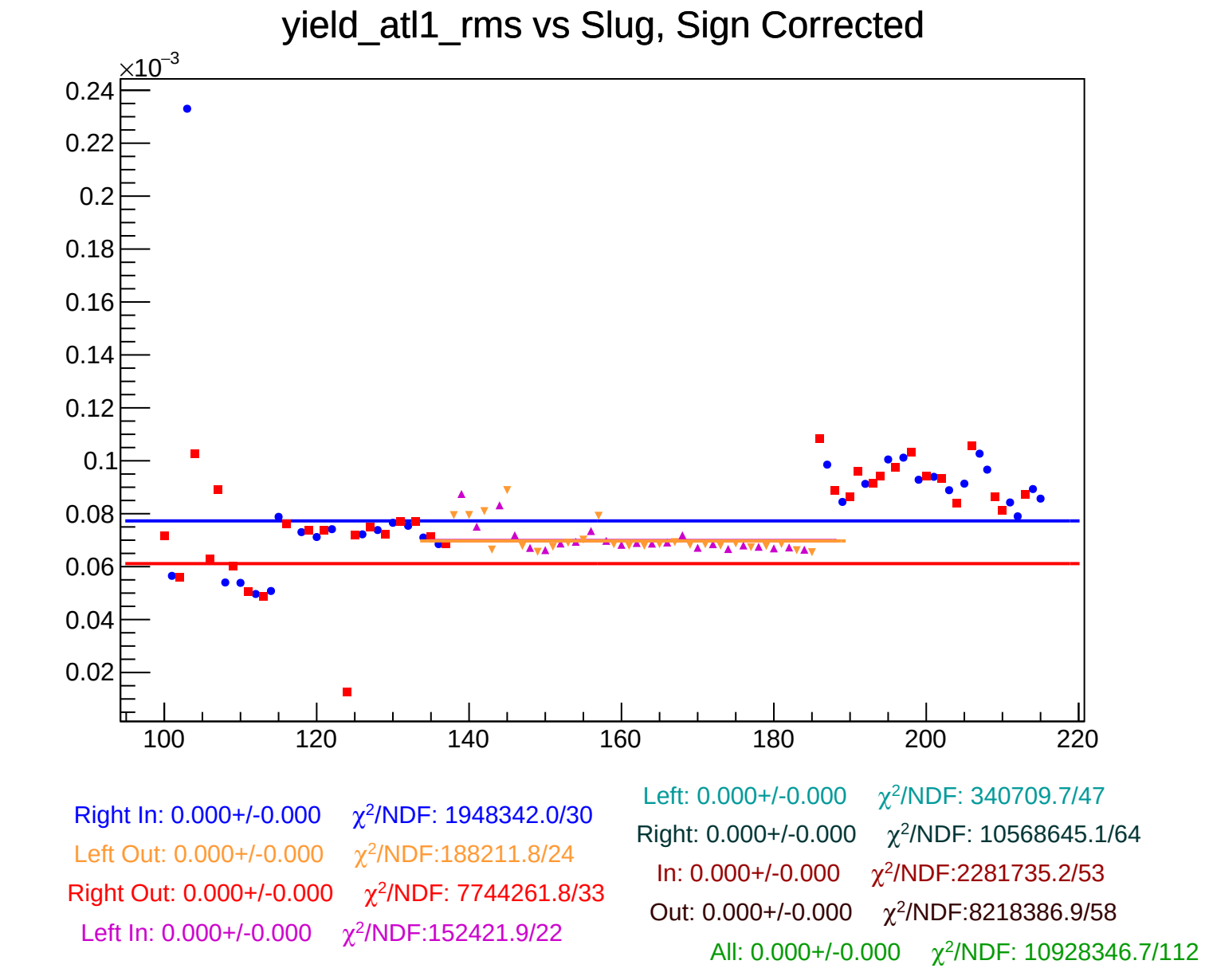
Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

Right: 0.020+/-0.000 χ^2/NDF: 644661319116.5/64

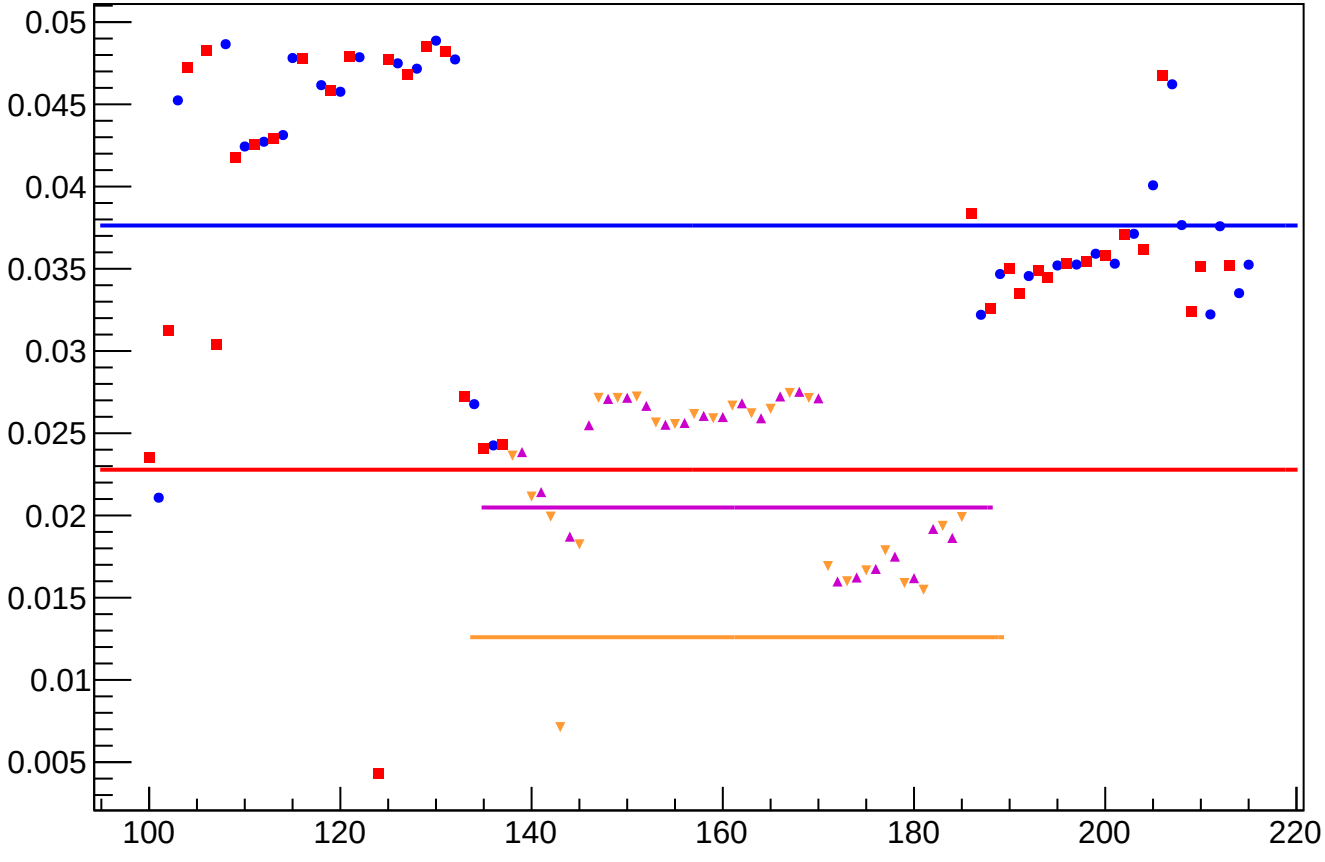
In: 0.024+/-0.000 χ^2/NDF:109397127400.4/53

Out: 0.021+/-0.000 χ^2/NDF:606321753800.7/58

All: 0.023+/-0.000 χ^2/NDF: 758527637863.0


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 1948342.0/30
Left Out: 0.000+/-0.000 χ²/NDF:188211.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 7744261.8/33
Left In: 0.000+/-0.000 χ²/NDF:152421.9/22
Left: 0.000+/-0.000 χ²/NDF: 340709.7/47
Right: 0.000+/-0.000 χ²/NDF: 10568645.1/64
In: 0.000+/-0.000 χ²/NDF:2281735.2/53
Out: 0.000+/-0.000 χ²/NDF:8218386.9/58
All: 0.000+/-0.000 χ²/NDF: 10928346.7/112

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7451143542.5/30

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.023+/-0.000 χ^2/NDF: 47569531909.0/33

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

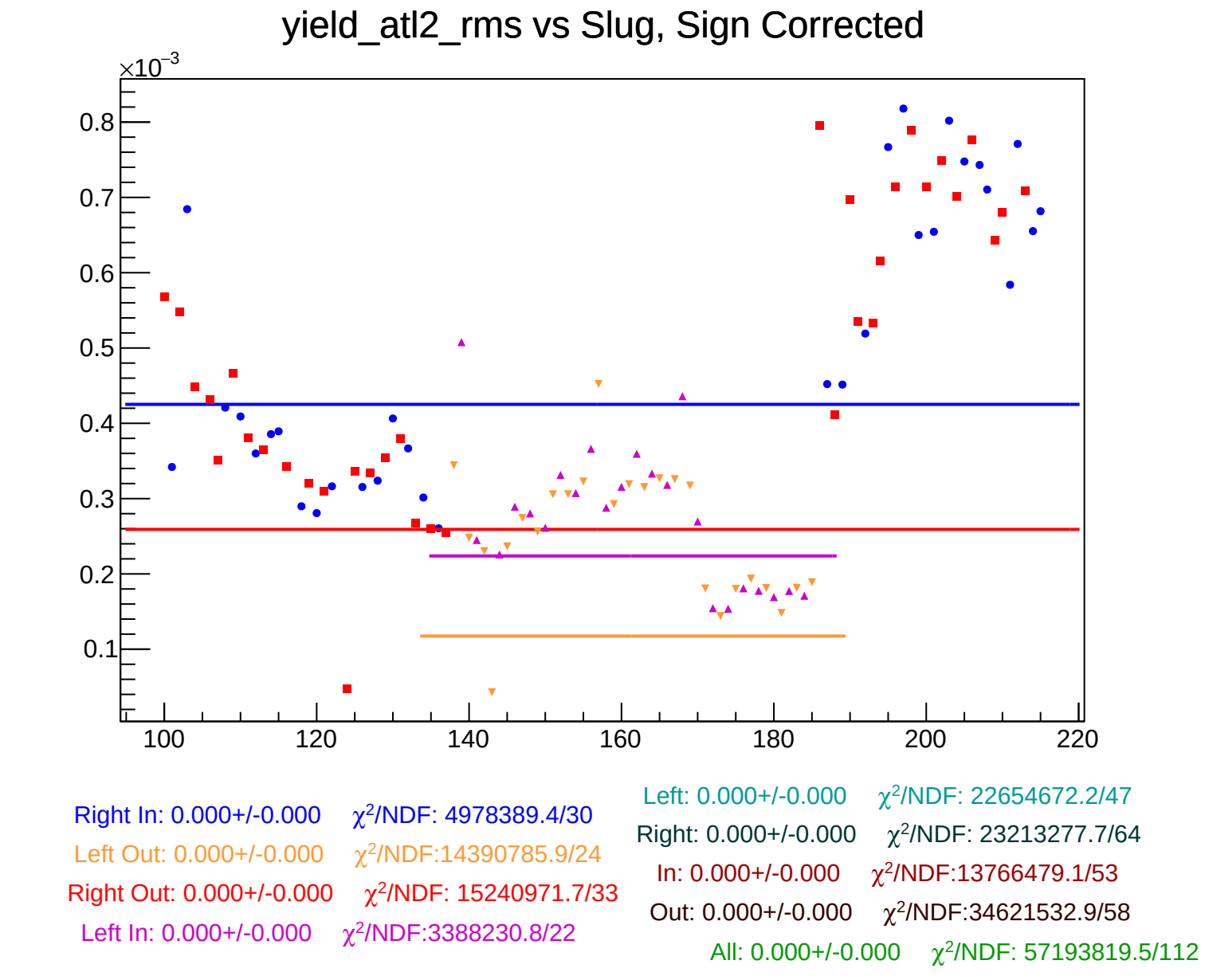
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 66993433508.6/64

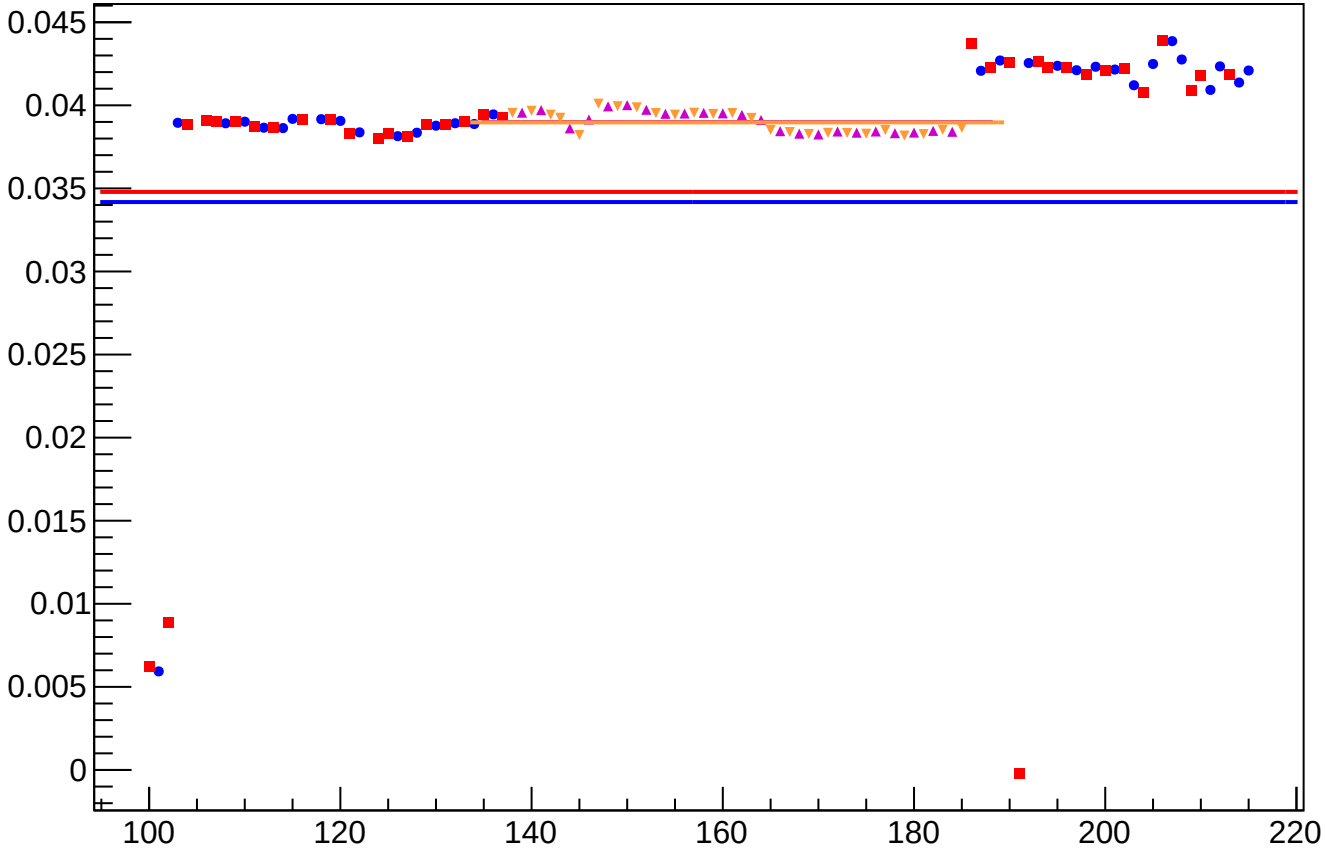
In: 0.024+/-0.000 χ^2/NDF:33136387594.0/53

Out: 0.014+/-0.000 χ^2/NDF:97799694733.2/58

All: 0.017+/-0.000 χ^2/NDF: 157991636293.3


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: 4978389.4/30
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 15240971.7/33
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22654672.2/47
Right: 0.000+/-0.000 χ²/NDF: 23213277.7/64
In: 0.000+/-0.000 χ²/NDF:13766479.1/53
Out: 0.000+/-0.000 χ²/NDF:34621532.9/58
All: 0.000+/-0.000 χ²/NDF: 57193819.5/112

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 134820536506.1/30

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 121511732455.3/33

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

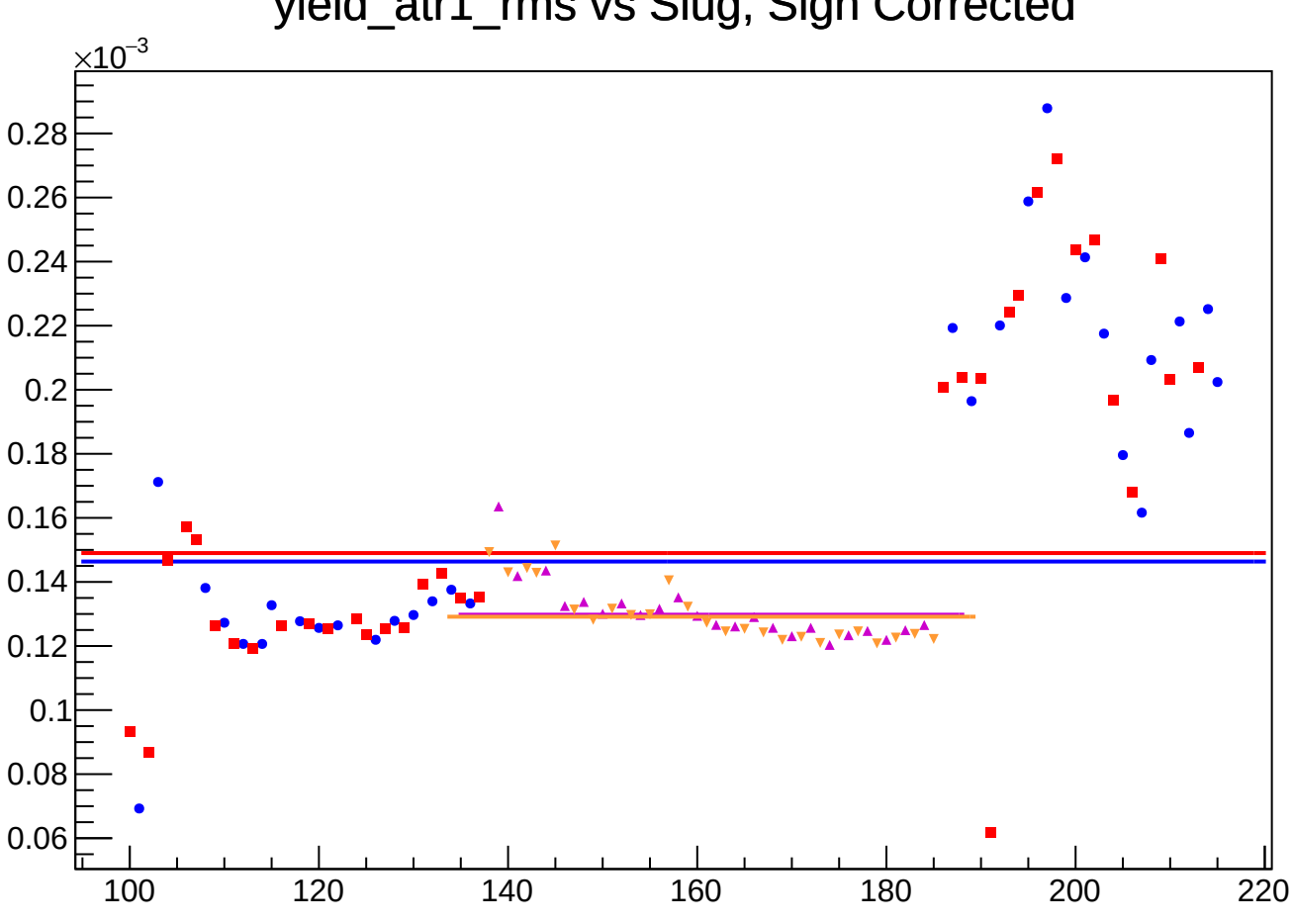
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.034+/-0.000 χ^2/NDF: 256471522502.7/64

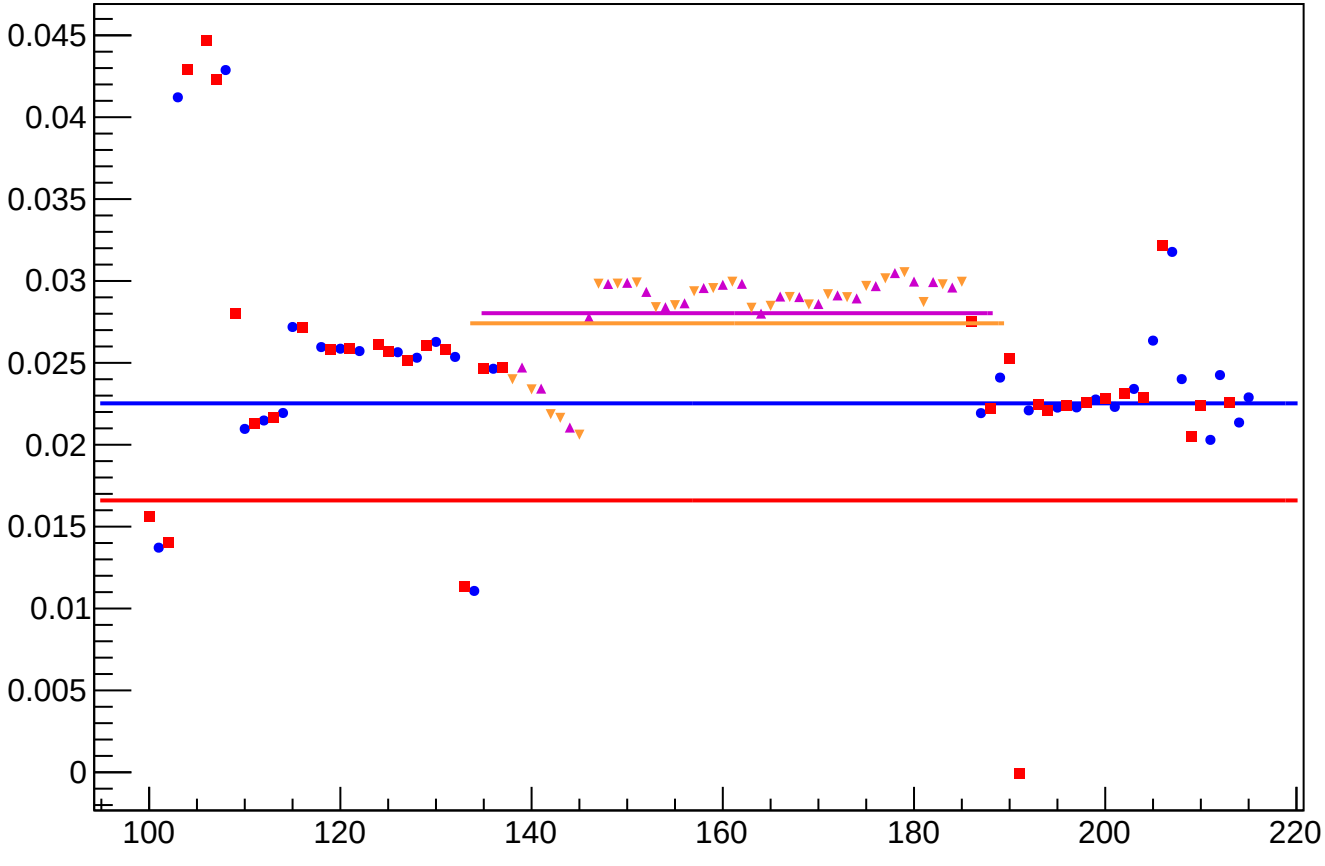
In: 0.037+/-0.000 χ^2/NDF:145574639950.5/53

Out: 0.037+/-0.000 χ^2/NDF:129749132410.2/58

All: 0.037+/-0.000 χ^2/NDF: 275444359436.4


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: 4359750.7/30
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3922703.4/33
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
Left: 0.000+/-0.000 χ²/NDF: 299820.4/47
Right: 0.000+/-0.000 χ²/NDF: 8287681.9/64
In: 0.000+/-0.000 χ²/NDF:4747146.2/53
Out: 0.000+/-0.000 χ²/NDF:4430104.2/58
All: 0.000+/-0.000 χ²/NDF: 9177312.8/112

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 5211011199.4/30

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 25818146827.3/33

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

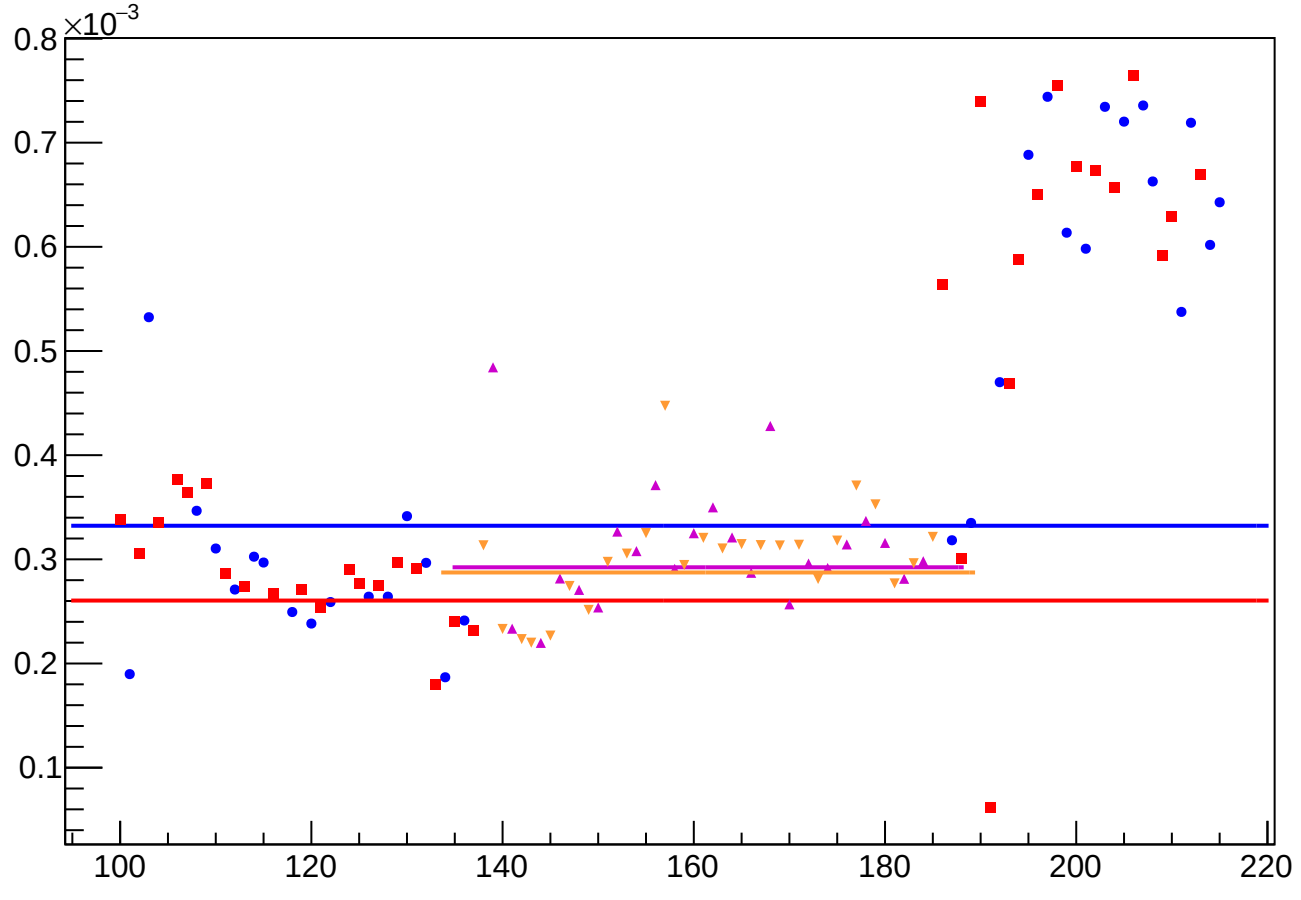
Right: 0.019+/-0.000 χ^2/NDF: 33645376093.2/64

In: 0.026+/-0.000 χ^2/NDF:9058782524.1/53

Out: 0.022+/-0.000 χ^2/NDF:39111441412.4/58

All: 0.024+/-0.000 χ^2/NDF: 50100919858.6/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6982416.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11436991.7/33

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

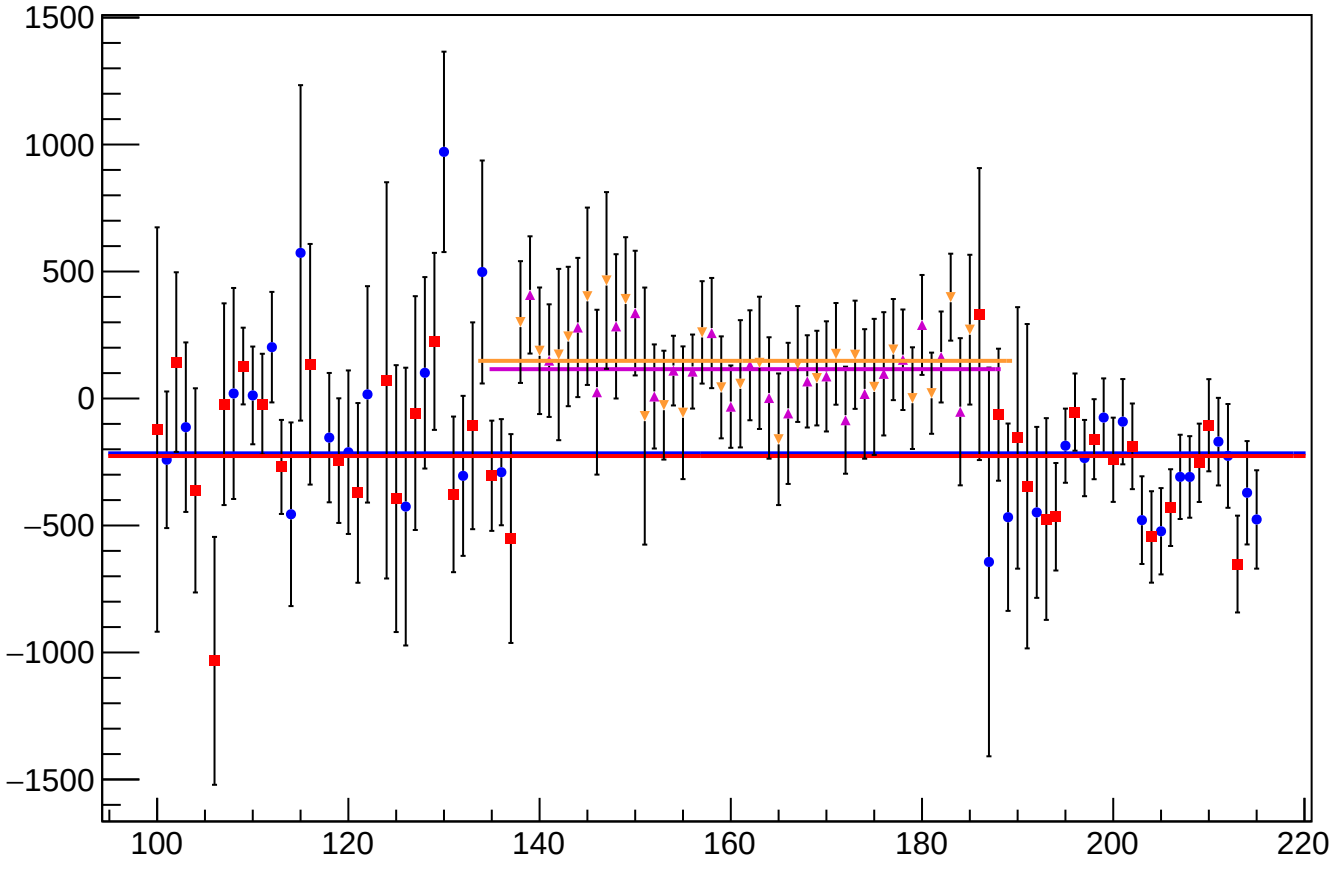
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19187253.9/64

In: 0.000+/-0.000 χ^2/NDF:8200225.1/53

Out: 0.000+/-0.000 χ^2/NDF:12395786.2/58

All: 0.000+/-0.000 χ^2/NDF: 20984952.6/112



Right In: -215.999+/-40.469 χ^2/NDF: 31.9/30

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -226.482+/-40.884 χ^2/NDF: 29.7/33

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

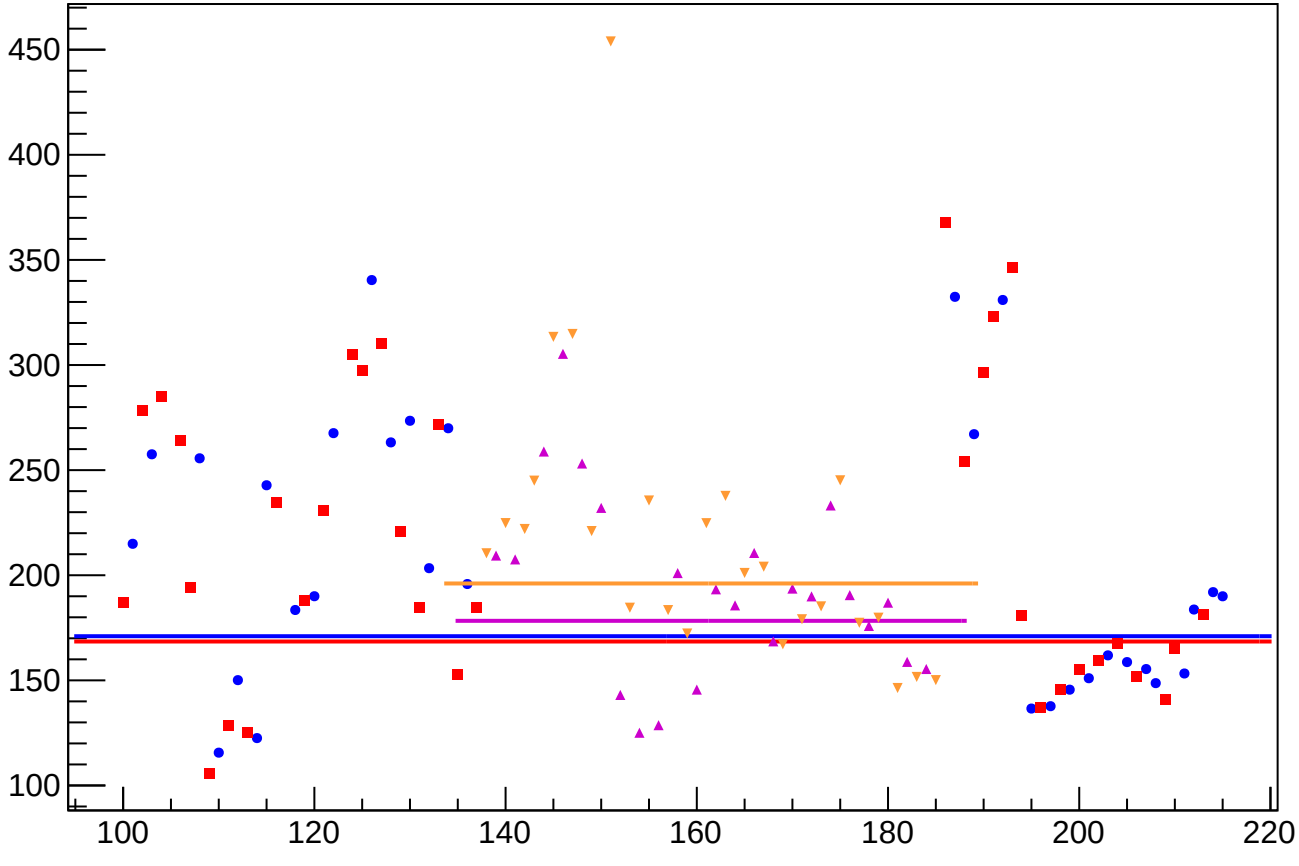
Right: -221.187+/-28.761 χ^2/NDF: 61.6/64

In: -62.464+/-29.651 χ^2/NDF:70.7/53

Out: -61.974+/-30.623 χ^2/NDF:77.0/58

All: -62.227+/-21.302 χ^2/NDF: 147.7/112

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.002+/-0.029 χ^2/NDF: 2337014.5/30

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 168.485+/-0.029 χ^2/NDF: 3011389.8/33

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

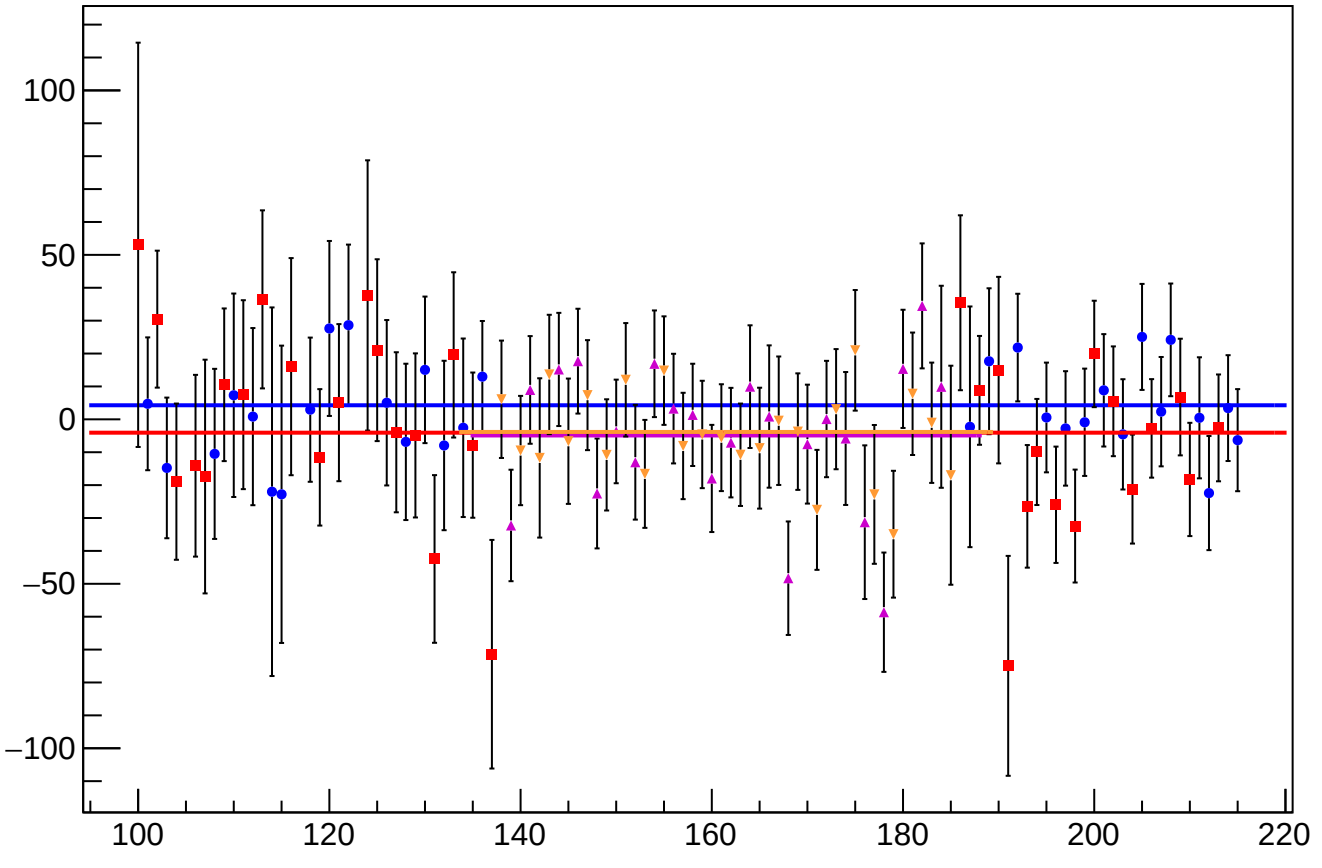
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 169.756+/-0.020 χ^2/NDF: 5352232.9/64

In: 174.390+/-0.021 χ^2/NDF:4045628.5/53

Out: 180.601+/-0.022 χ^2/NDF:5230056.2/58

All: 177.396+/-0.015 χ^2/NDF: 9318147.7/112



Right In: 4.277+/-3.637 χ^2/NDF: 12.6/30

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -4.059+/-3.690 χ^2/NDF: 34.8/33

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

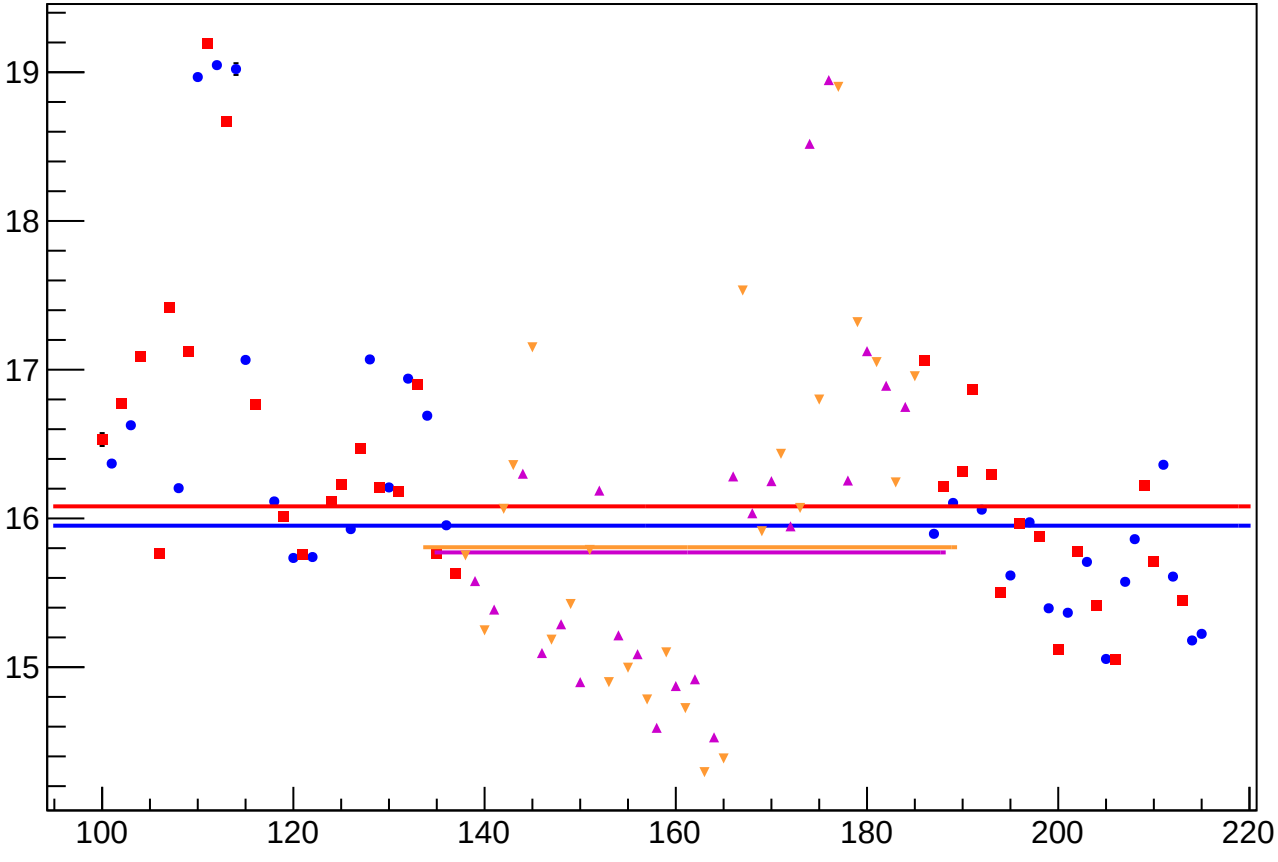
Right: 0.168+/-2.590 χ^2/NDF: 50.0/64

In: -0.241+/-2.592 χ^2/NDF:49.6/53

Out: -3.944+/-2.578 χ^2/NDF:47.6/58

All: -2.103+/-1.828 χ^2/NDF: 98.3/112

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.951+/-0.003 χ^2/NDF: 89360.5/30

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.081+/-0.003 χ^2/NDF: 91396.4/33

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

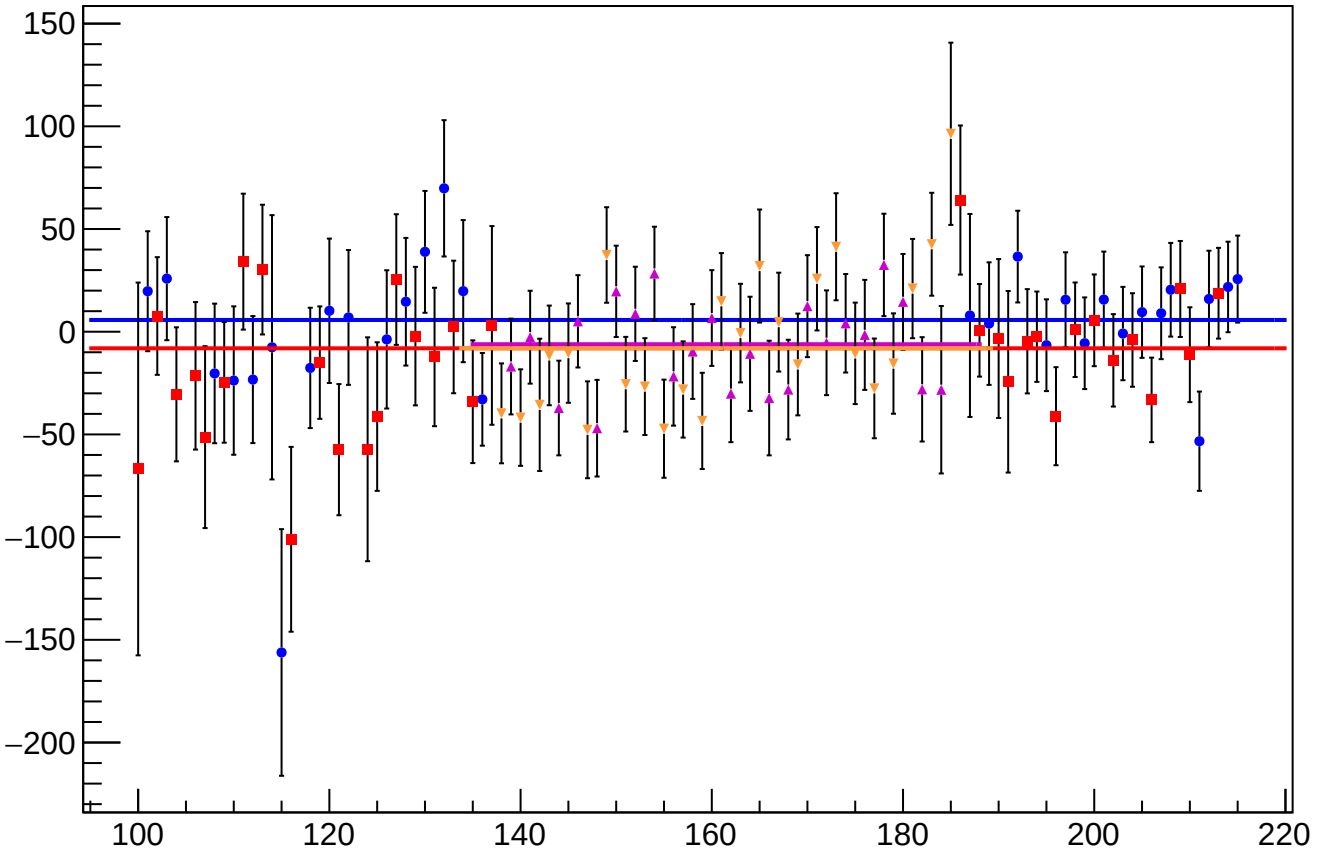
Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

Right: 16.015+/-0.002 χ^2/NDF: 182014.3/64

In: 15.863+/-0.002 χ^2/NDF:243902.9/53

Out: 15.940+/-0.002 χ^2/NDF:269729.4/58

All: 15.902+/-0.001 χ^2/NDF: 514535.7/112



Right In: 5.720+/-4.874 χ^2/NDF: 30.0/30

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -8.075+/-4.938 χ^2/NDF: 27.5/33

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

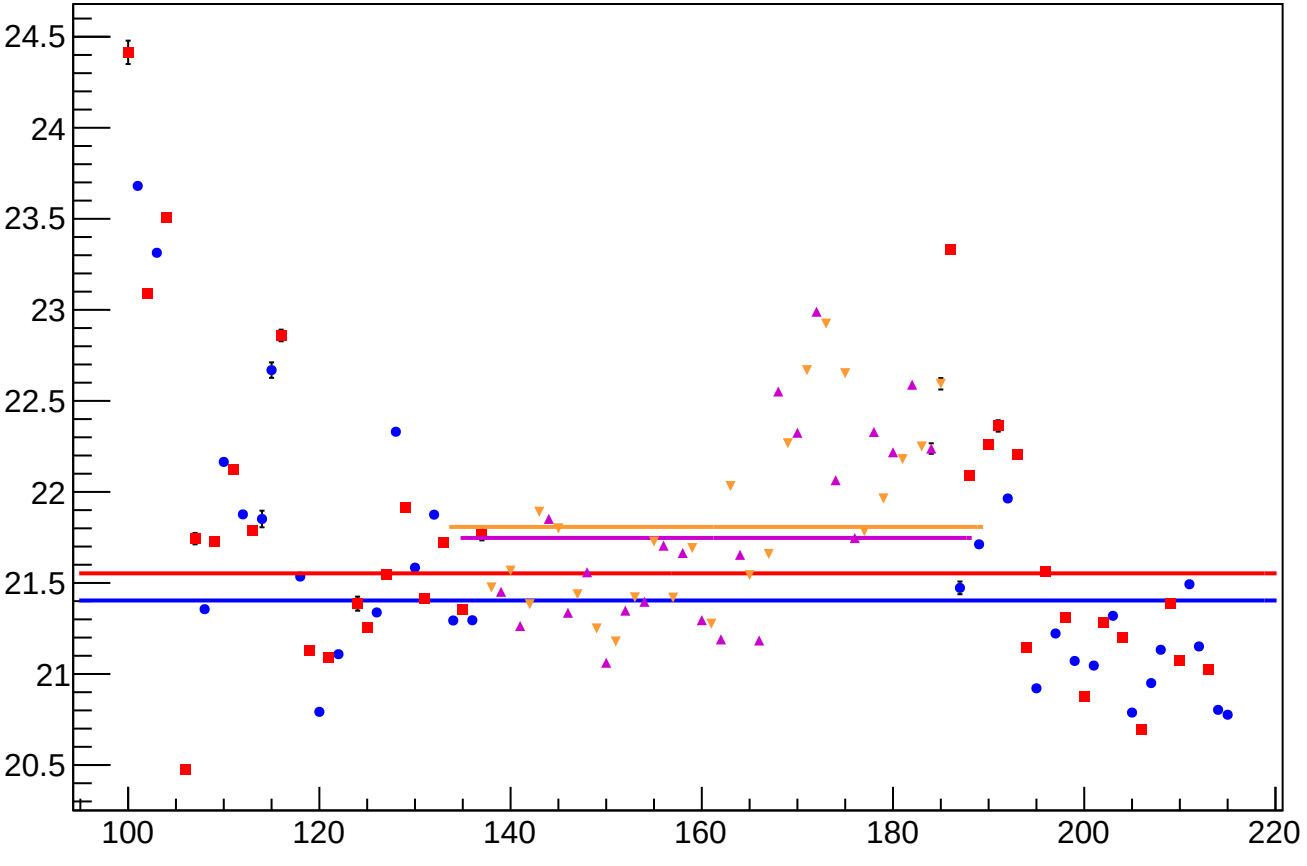
Right: -1.087+/-3.469 χ^2/NDF: 61.5/64

In: 0.061+/-3.517 χ^2/NDF:50.7/53

Out: -8.045+/-3.498 χ^2/NDF:66.4/58

All: -4.014+/-2.480 χ^2/NDF: 119.7/112

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.404+/-0.003 χ^2/NDF: 35373.1/30

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.553+/-0.003 χ^2/NDF: 38429.1/33

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

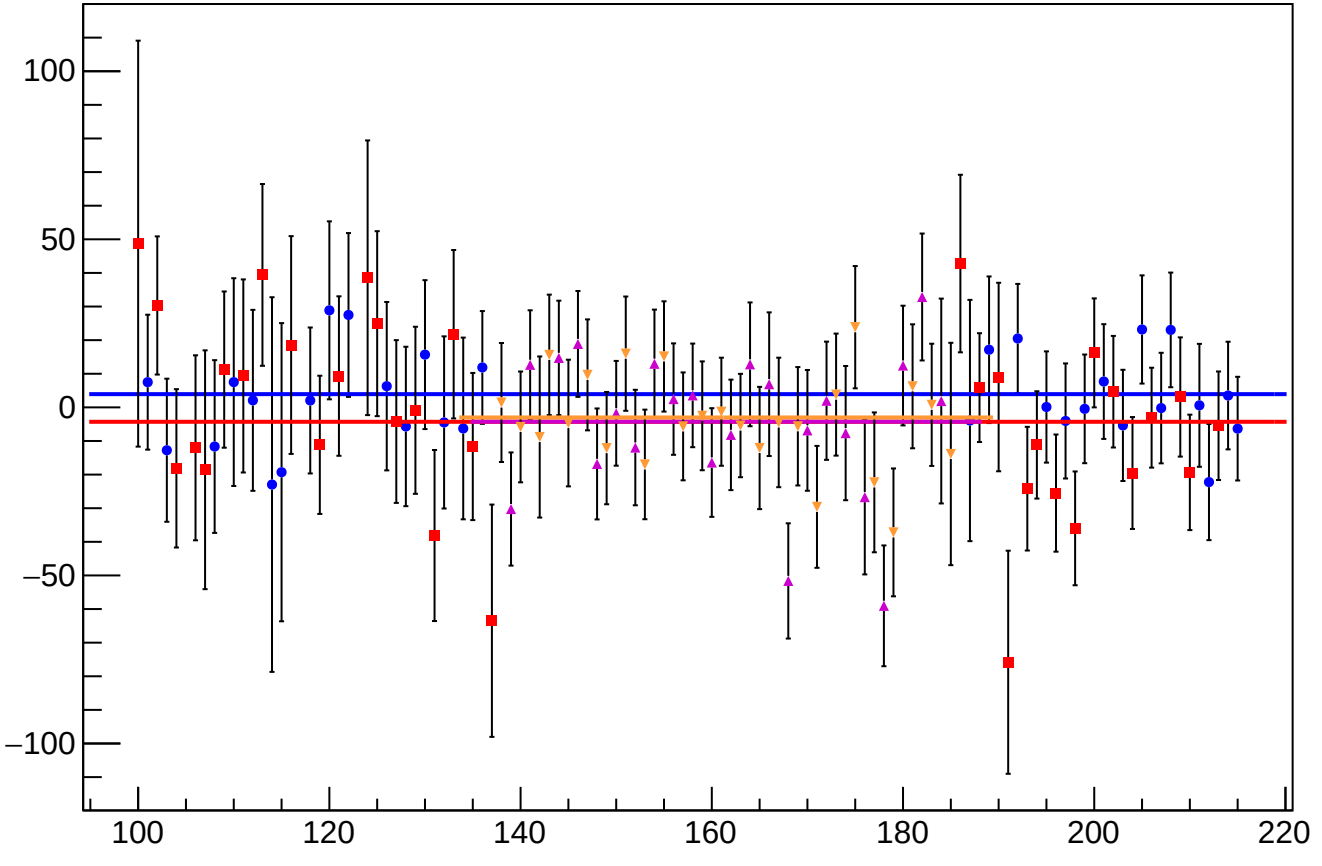
Right: 21.477+/-0.002 χ^2/NDF: 74725.6/64

In: 21.568+/-0.002 χ^2/NDF:60697.2/53

Out: 21.680+/-0.002 χ^2/NDF:58645.3/58

All: 21.624+/-0.002 χ^2/NDF: 120351.4/112

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.935+/-3.612 χ^2/NDF: 12.0/30

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -4.291+/-3.665 χ^2/NDF: 35.0/33

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

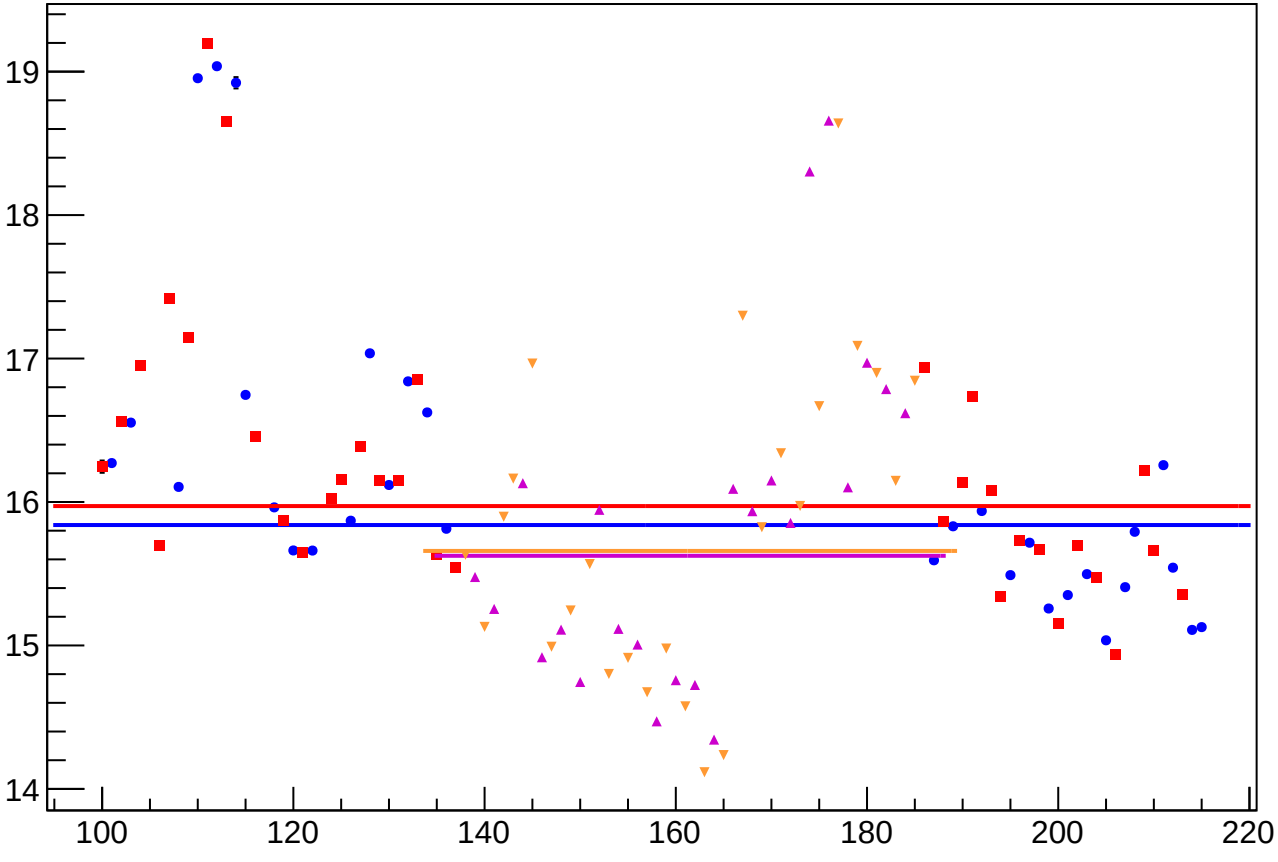
Right: -0.118+/-2.573 χ^2/NDF: 49.6/64

In: -0.102+/-2.571 χ^2/NDF:48.3/53

Out: -3.629+/-2.557 χ^2/NDF:49.7/58

All: -1.876+/-1.813 χ^2/NDF: 99.0/112

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.839+/-0.003 χ^2/NDF: 92013.0/30

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 15.972+/-0.003 χ^2/NDF: 92788.2/33

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

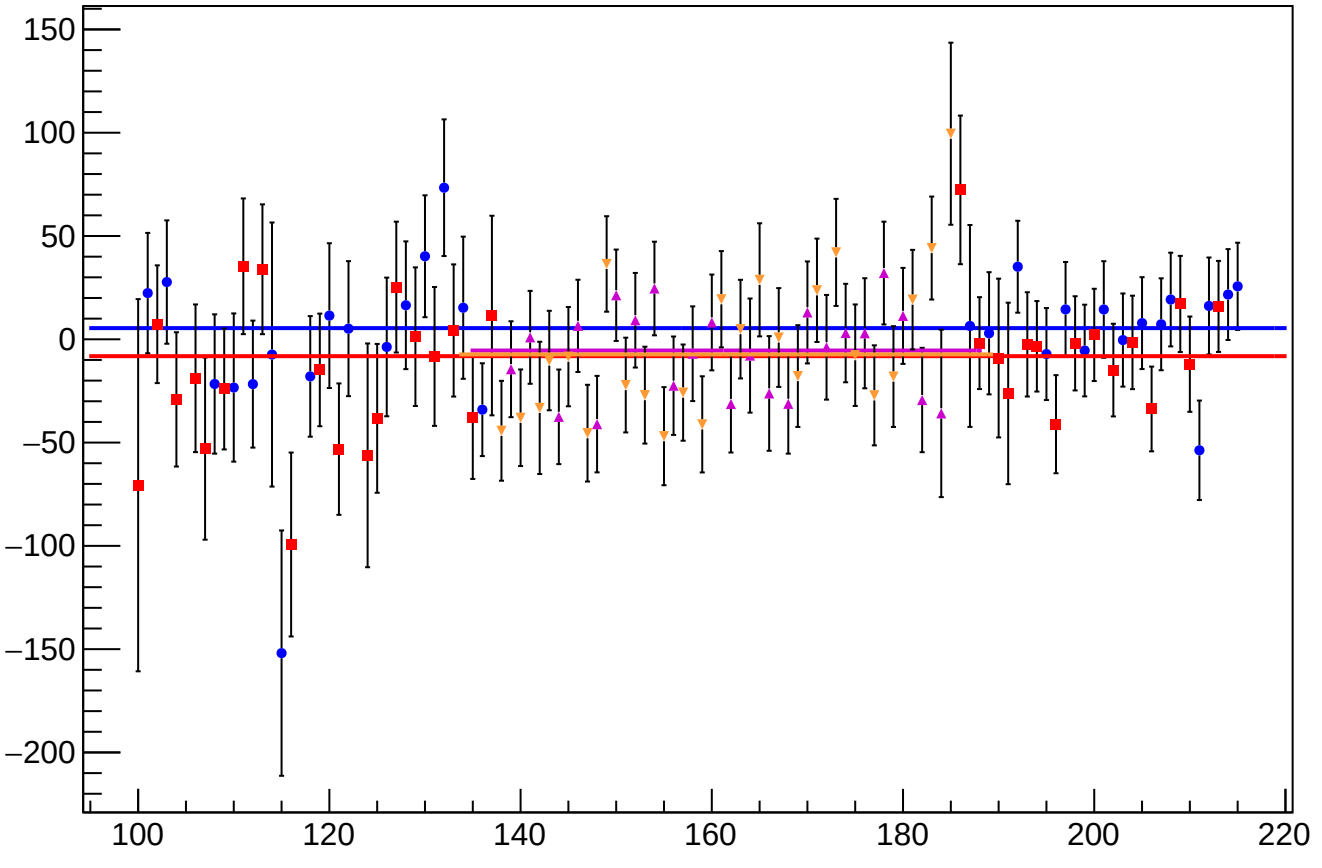
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 15.905+/-0.002 χ^2/NDF: 186120.5/64

In: 15.734+/-0.002 χ^2/NDF:245921.3/53

Out: 15.811+/-0.002 χ^2/NDF:270099.3/58

All: 15.773+/-0.001 χ^2/NDF: 516933.0/112



Right In: 5.411+/-4.853 χ^2/NDF: 30.5/30

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -8.169+/-4.914 χ^2/NDF: 28.1/33

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

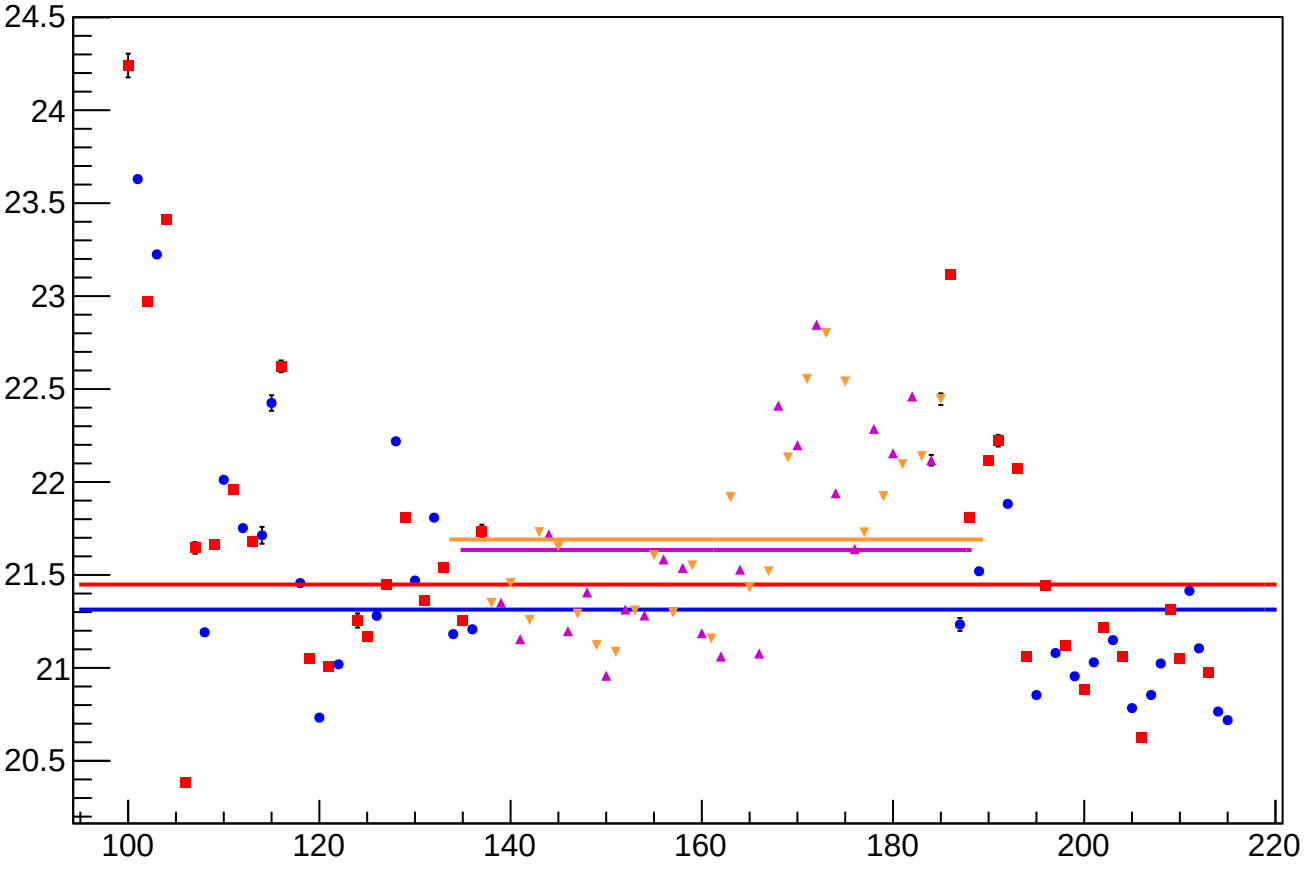
Right: -1.295+/-3.453 χ^2/NDF: 62.5/64

In: 0.207+/-3.501 χ^2/NDF:50.2/53

Out: -7.745+/-3.480 χ^2/NDF:66.7/58

All: -3.792+/-2.468 χ^2/NDF: 119.5/112

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.314+/-0.003 χ^2/NDF: 34574.9/30

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.448+/-0.003 χ^2/NDF: 35392.3/33

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

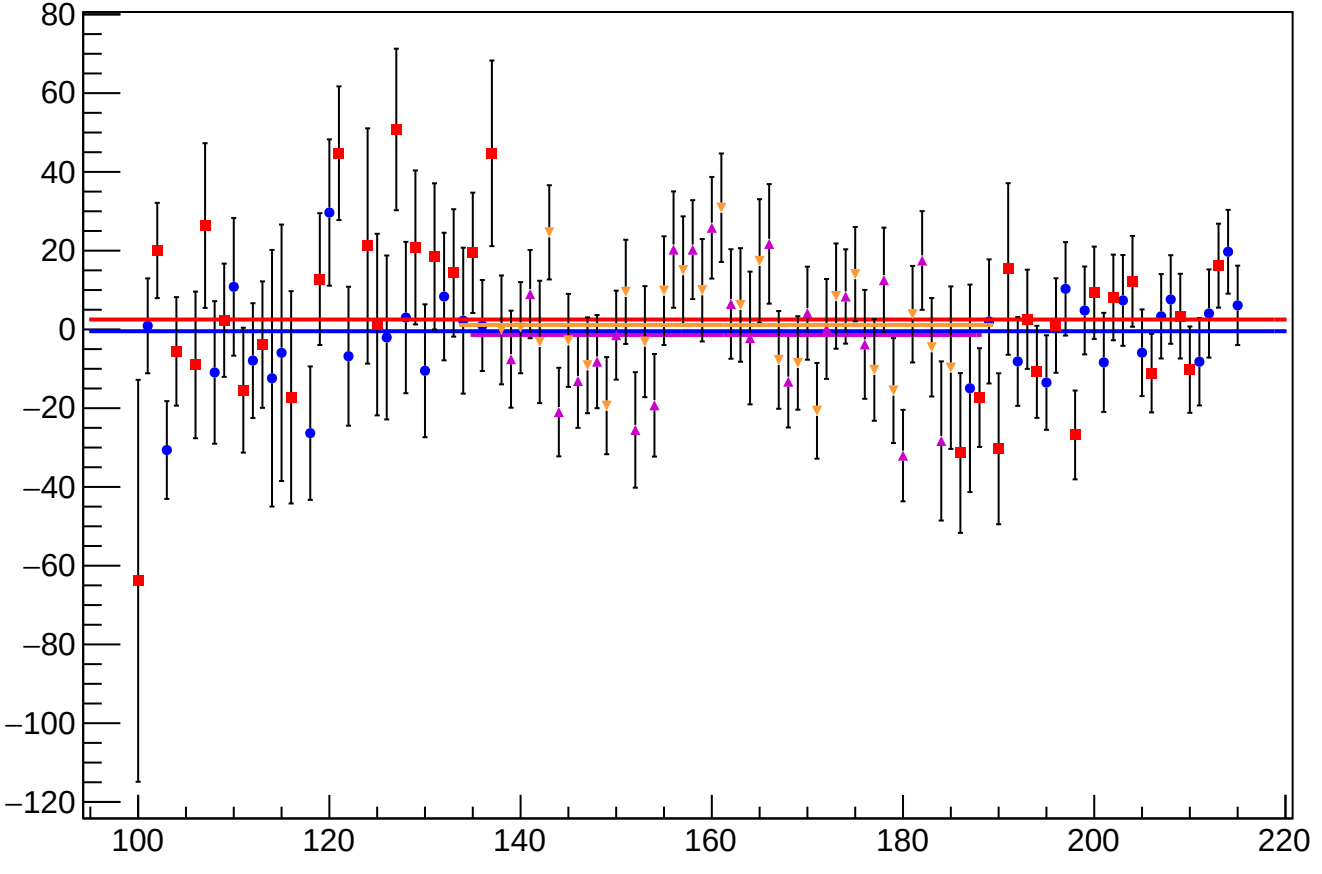
Right: 21.380+/-0.002 χ^2/NDF: 70728.3/64

In: 21.468+/-0.002 χ^2/NDF:59329.5/53

Out: 21.569+/-0.002 χ^2/NDF:55754.0/58

All: 21.519+/-0.002 χ^2/NDF: 115931.6/112

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.457+/-2.443 χ^2/NDF: 22.3/30

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 2.515+/-2.495 χ^2/NDF: 49.7/33

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

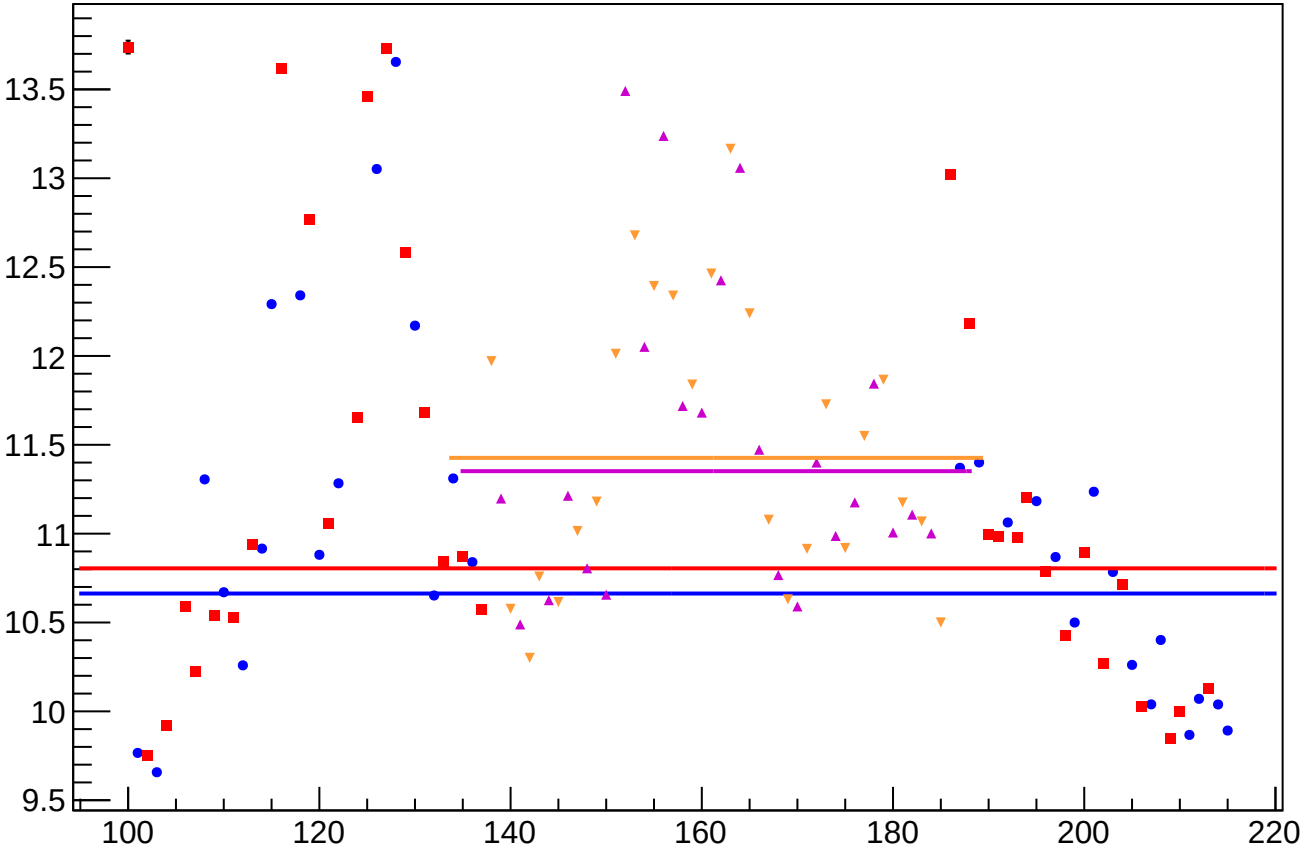
Right: 0.998+/-1.746 χ^2/NDF: 72.7/64

In: -0.889+/-1.804 χ^2/NDF:58.7/53

Out: 1.860+/-1.807 χ^2/NDF:74.3/58

All: 0.483+/-1.277 χ^2/NDF: 134.2/112

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.663+/-0.002 χ^2/NDF: 211853.4/30

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 10.805+/-0.002 χ^2/NDF: 278498.3/33

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

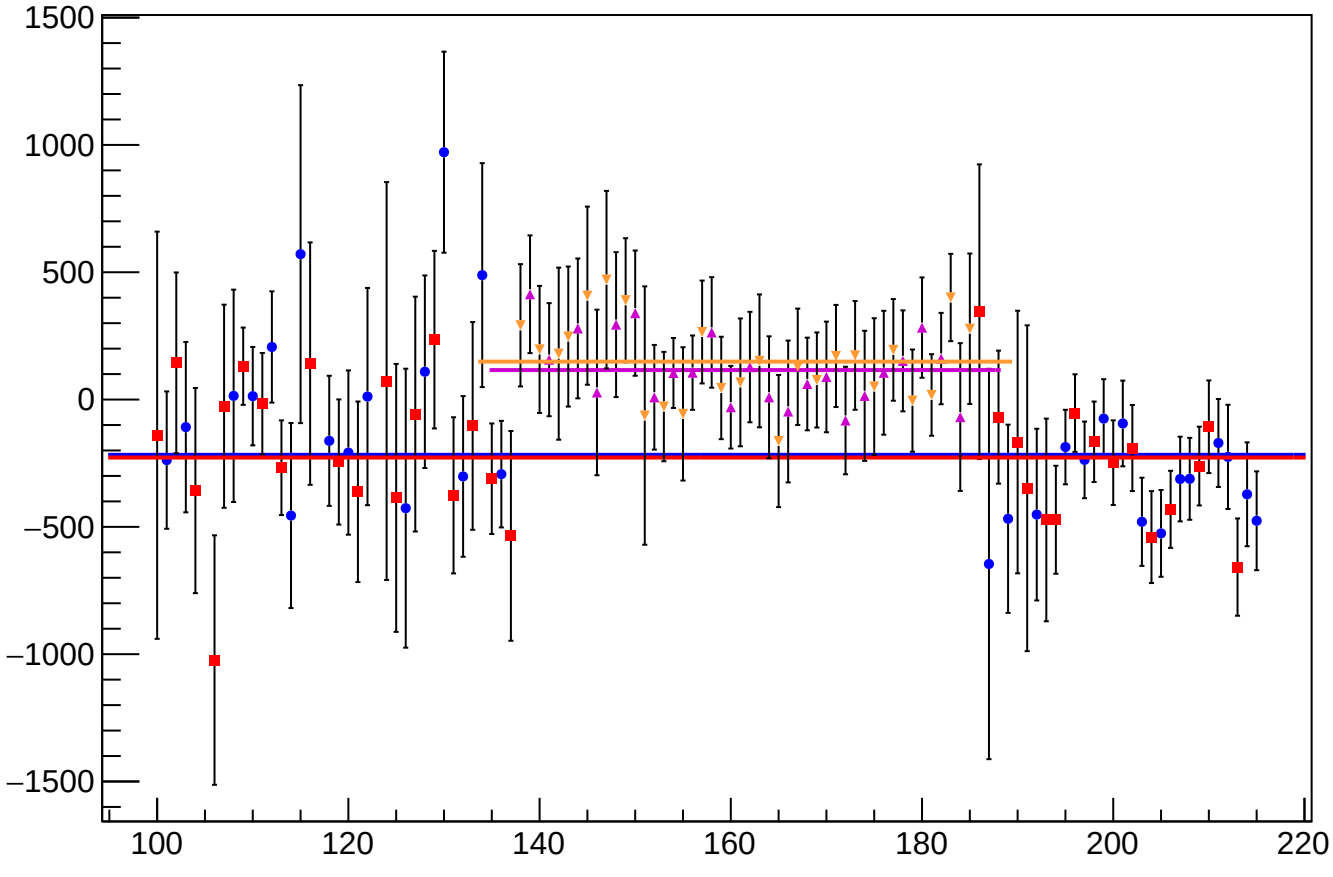
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.732+/-0.001 χ^2/NDF: 493643.8/64

In: 10.976+/-0.001 χ^2/NDF:454702.7/53

Out: 11.100+/-0.001 χ^2/NDF:494537.0/58

All: 11.038+/-0.001 χ^2/NDF: 953955.3/112



Right In: -217.111+/-40.570 χ^2/NDF: 31.9/30

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -227.794+/-40.994 χ^2/NDF: 29.8/33

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

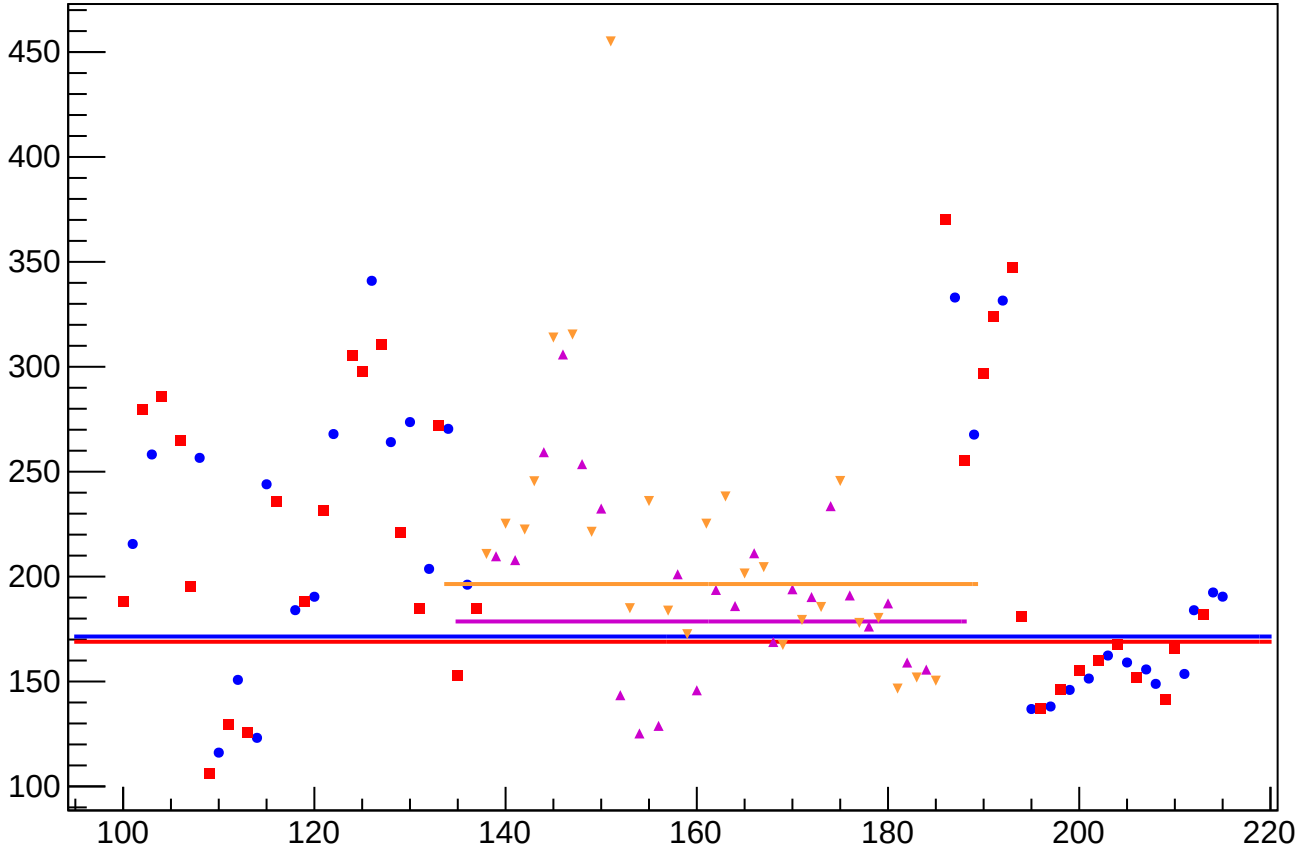
Right: -222.397+/-28.836 χ^2/NDF: 61.7/64

In: -62.821+/-29.714 χ^2/NDF:70.9/53

Out: -62.283+/-30.694 χ^2/NDF:77.4/58

All: -62.561+/-21.349 χ^2/NDF: 148.3/112

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.441+/-0.029 χ^2/NDF: 2332243.7/30

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.946+/-0.029 χ^2/NDF: 3008681.7/33

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

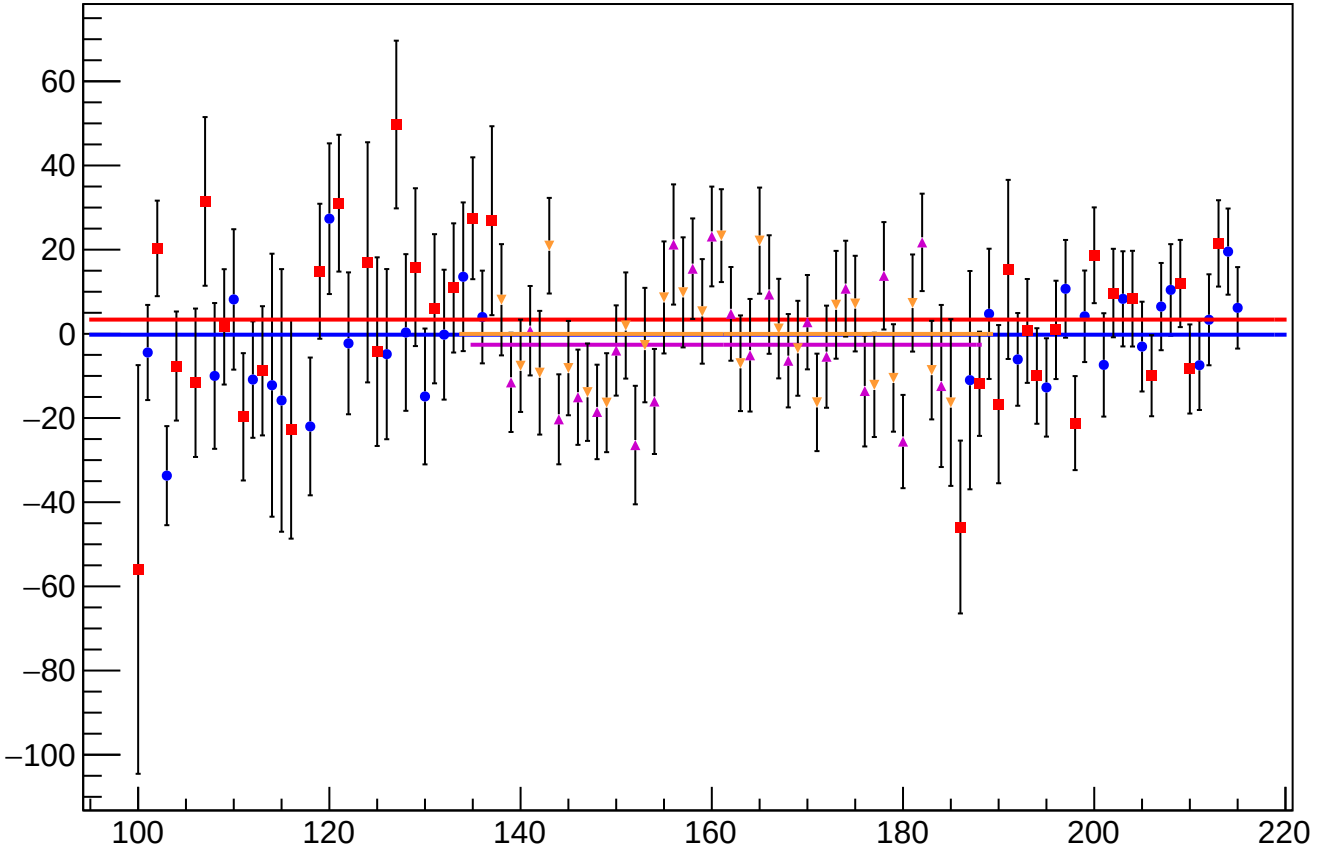
Right: 170.206+/-0.020 χ^2/NDF: 5344667.7/64

In: 174.766+/-0.021 χ^2/NDF:4040089.5/53

Out: 181.032+/-0.022 χ^2/NDF:5223121.2/58

All: 177.797+/-0.015 χ^2/NDF: 9306240.6/112

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.204+/-2.356 χ^2/NDF: 25.4/30

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.384+/-2.409 χ^2/NDF: 49.2/33

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

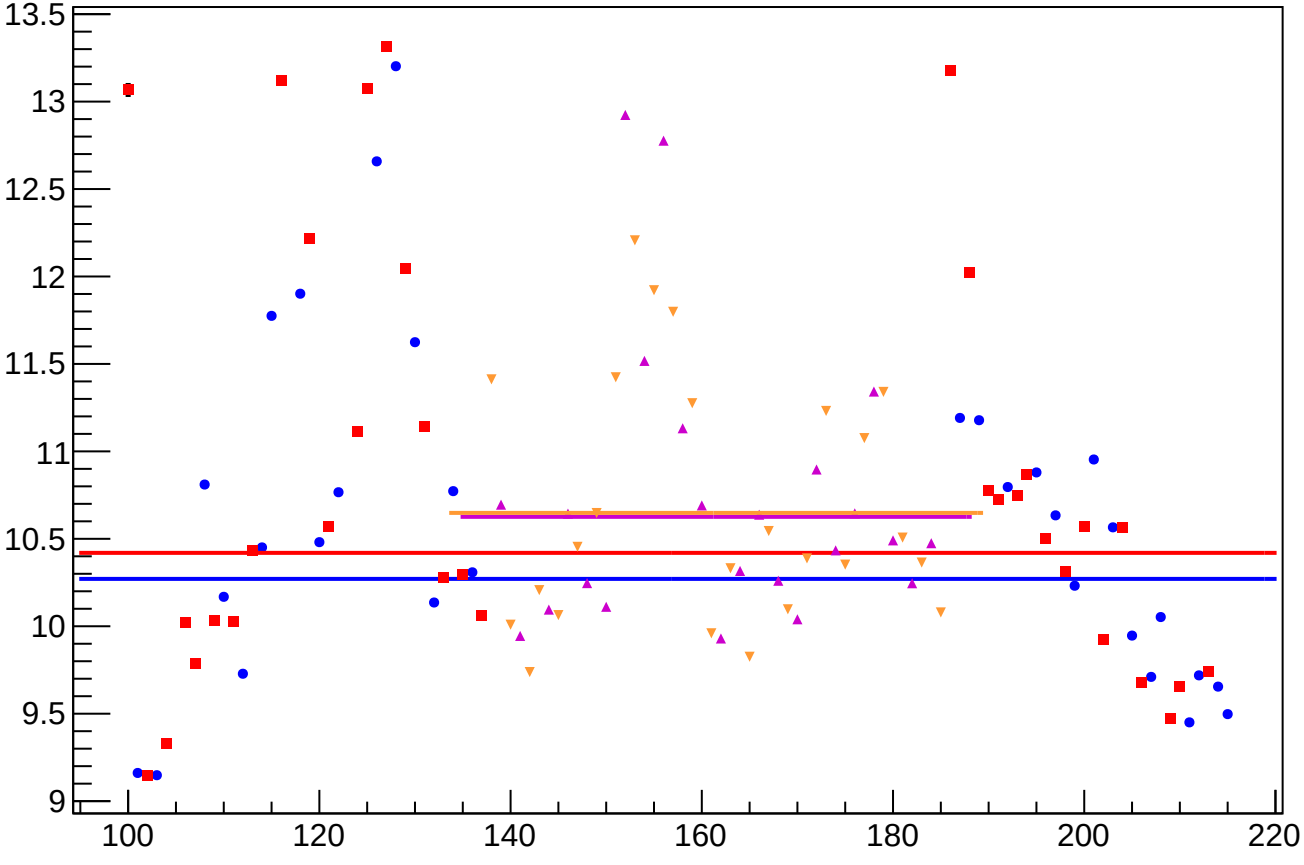
Right: 1.550+/-1.684 χ^2/NDF: 75.8/64

In: -1.324+/-1.716 χ^2/NDF:60.7/53

Out: 1.708+/-1.716 χ^2/NDF:73.9/58

All: 0.193+/-1.213 χ^2/NDF: 136.2/112

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.271+/-0.002 χ^2/NDF: 237031.1/30

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.420+/-0.002 χ^2/NDF: 317285.6/33

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

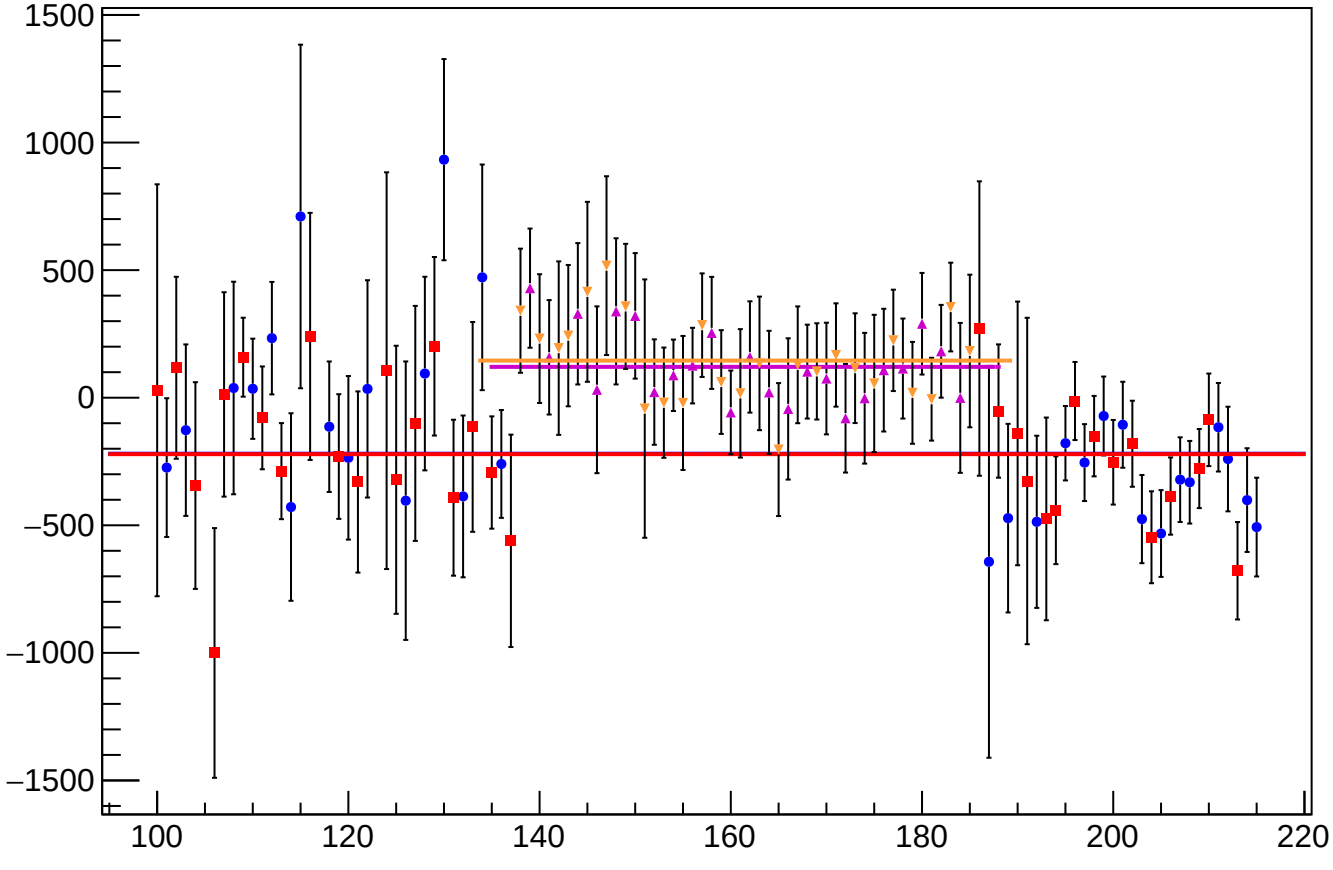
Right: 10.344+/-0.001 χ^2/NDF: 558220.1/64

In: 10.437+/-0.001 χ^2/NDF:417862.3/53

Out: 10.532+/-0.001 χ^2/NDF:469693.7/58

All: 10.485+/-0.001 χ^2/NDF: 890618.3/112

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -219.503+/-40.643 χ^2/NDF: 34.0/30

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -221.232+/-41.109 χ^2/NDF: 30.2/33

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

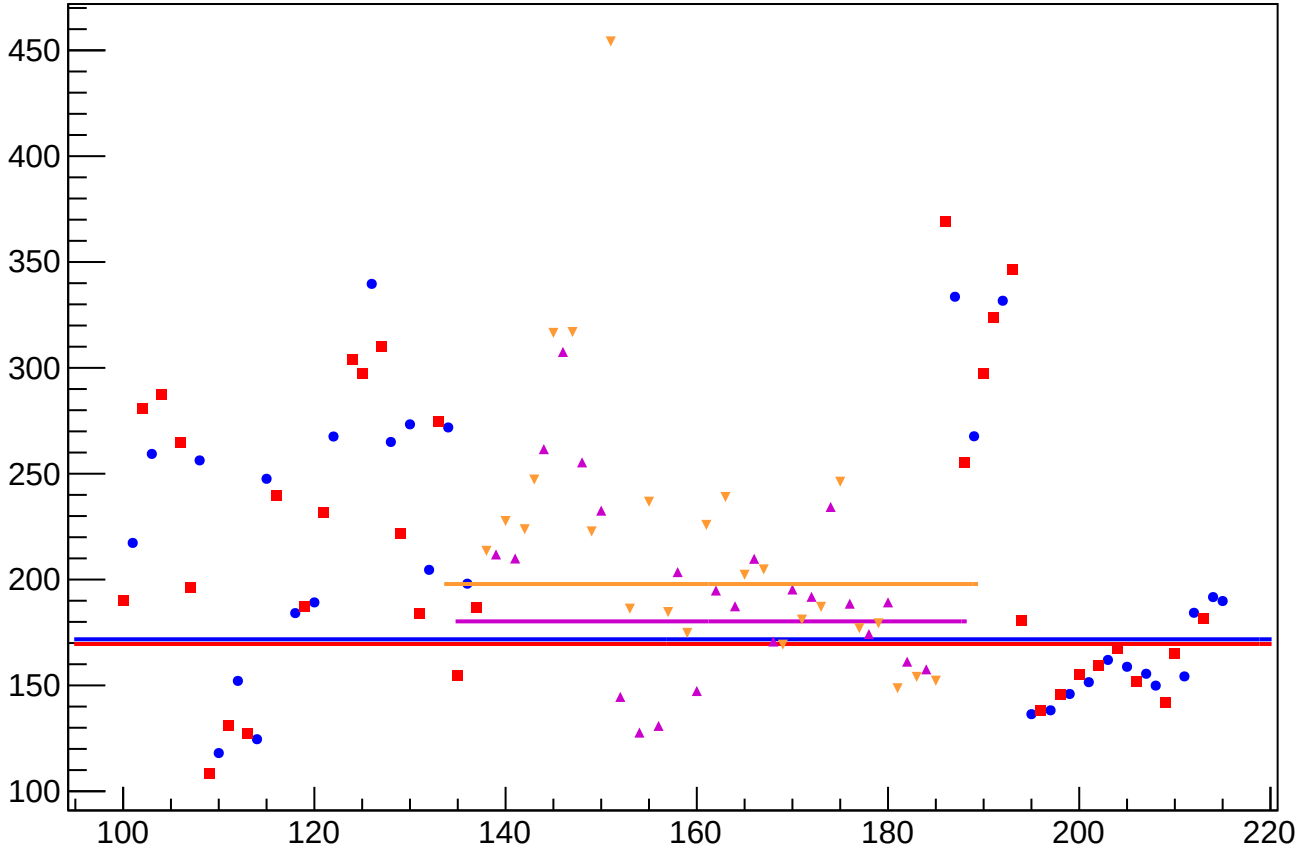
Right: -220.358+/-28.902 χ^2/NDF: 64.2/64

In: -62.765+/-29.853 χ^2/NDF:74.5/53

Out: -60.765+/-30.832 χ^2/NDF:75.3/58

All: -61.797+/-21.447 χ^2/NDF: 149.8/112

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.787+/-0.029 χ^2/NDF: 2320464.3/30

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 169.574+/-0.029 χ^2/NDF: 2956405.6/33

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

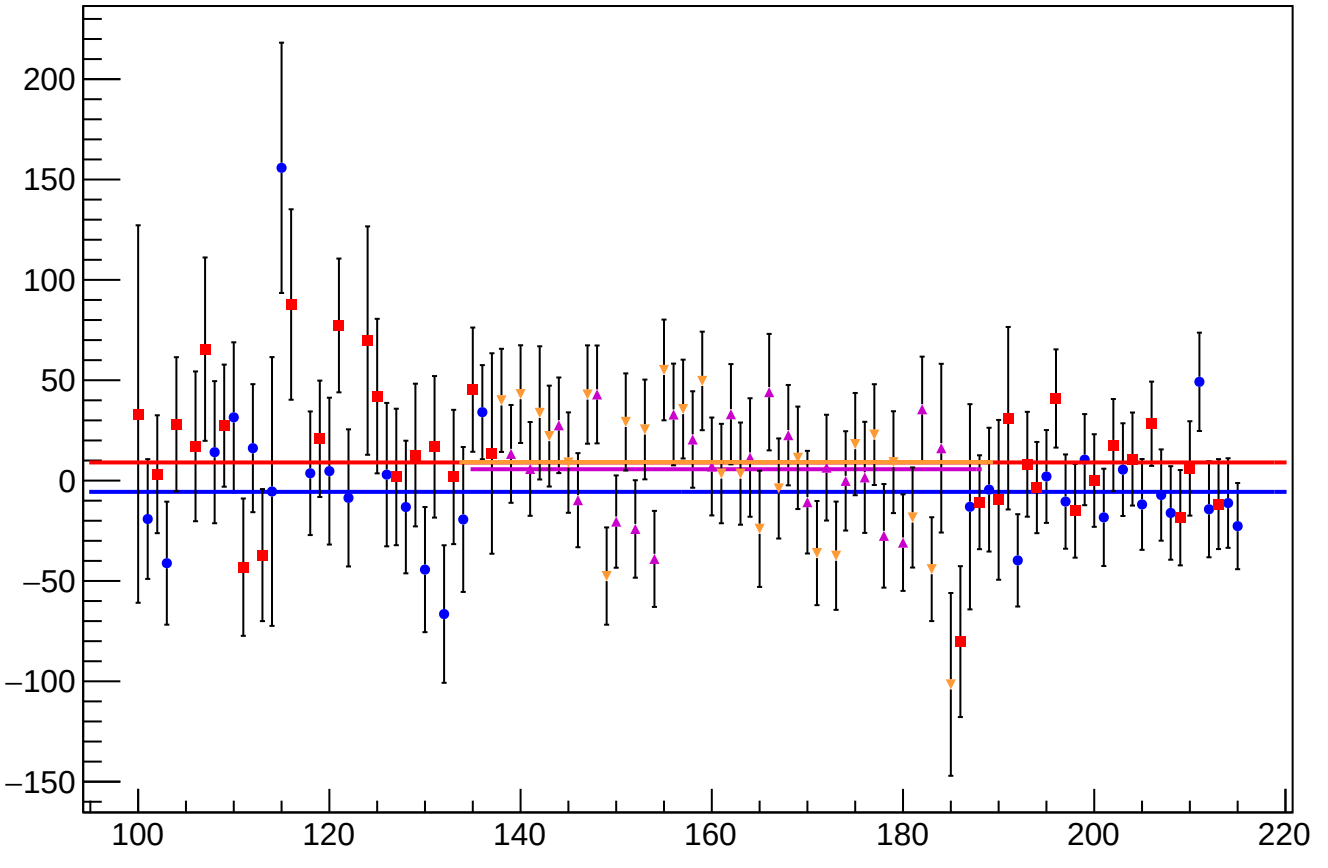
Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

Right: 170.693+/-0.020 χ^2/NDF: 5279802.4/64

In: 175.683+/-0.021 χ^2/NDF:3988147.5/53

Out: 181.962+/-0.022 χ^2/NDF:5160405.3/58

All: 178.722+/-0.015 χ^2/NDF: 9191368.5/112



Right In: -5.609+/-5.010 χ^2/NDF: 27.5/30

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 9.045+/-5.091 χ^2/NDF: 30.4/33

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

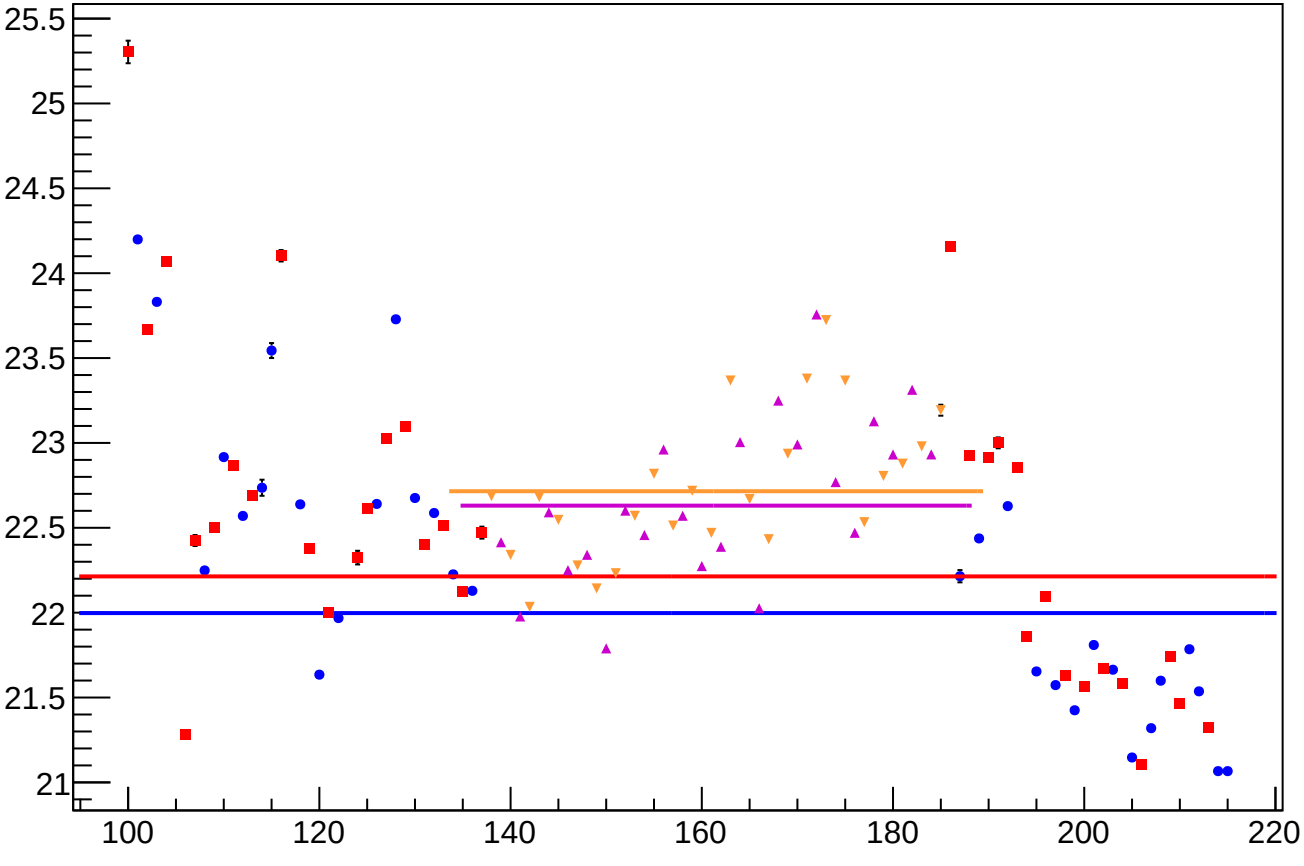
Right: 1.601+/-3.571 χ^2/NDF: 62.2/64

In: -0.273+/-3.636 χ^2/NDF:50.7/53

Out: 9.138+/-3.625 χ^2/NDF:69.9/58

All: 4.448+/-2.567 χ^2/NDF: 123.9/112

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.998+/-0.004 χ^2/NDF: 48542.1/30

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.214+/-0.004 χ^2/NDF: 49251.6/33

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

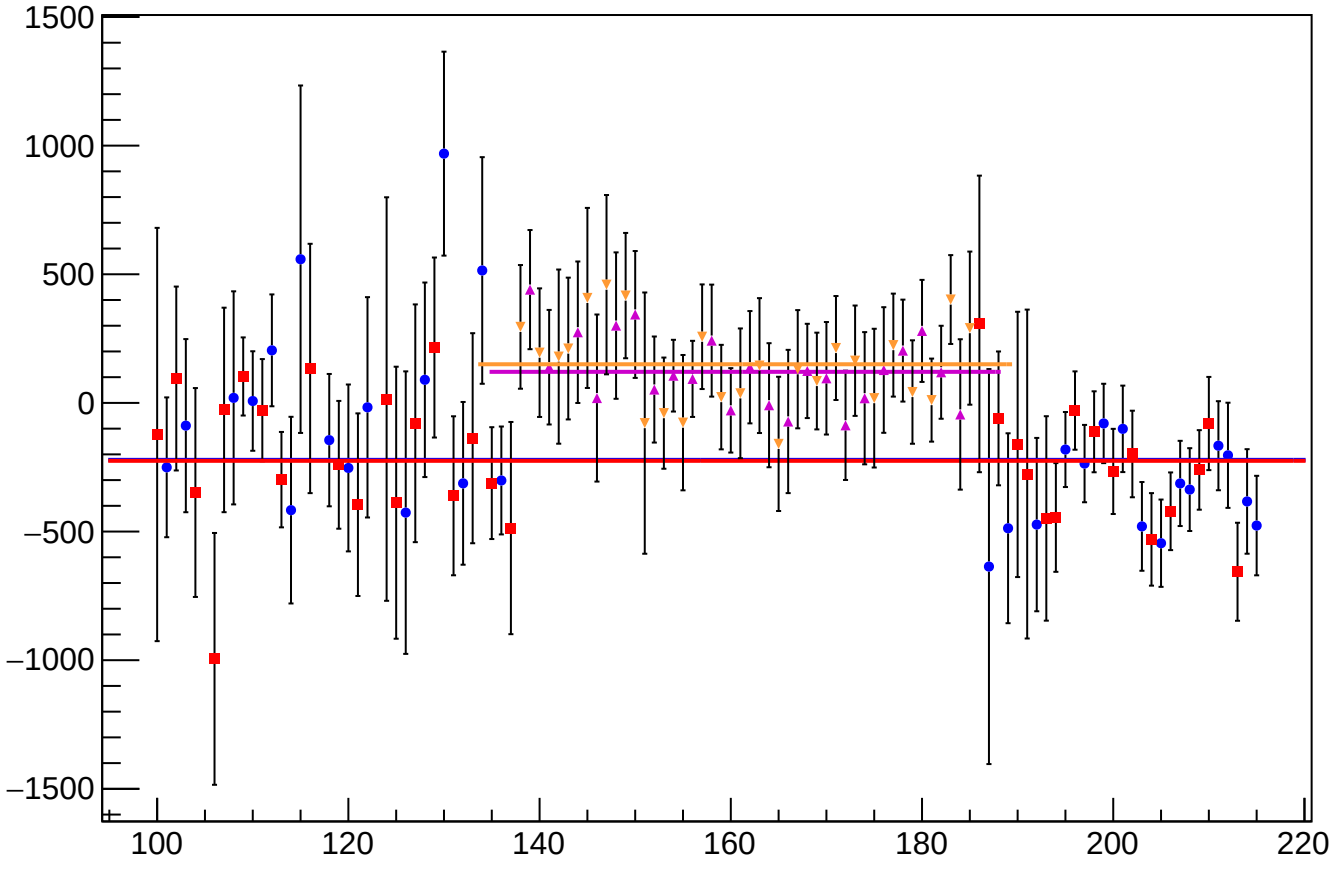
Right: 22.104+/-0.003 χ^2/NDF: 99624.8/64

In: 22.297+/-0.003 χ^2/NDF:79038.1/53

Out: 22.461+/-0.003 χ^2/NDF:71011.5/58

All: 22.379+/-0.002 χ^2/NDF: 152089.4/112

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -221.343+/-40.527 χ^2/NDF: 32.6/30

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -225.065+/-40.942 χ^2/NDF: 28.2/33

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

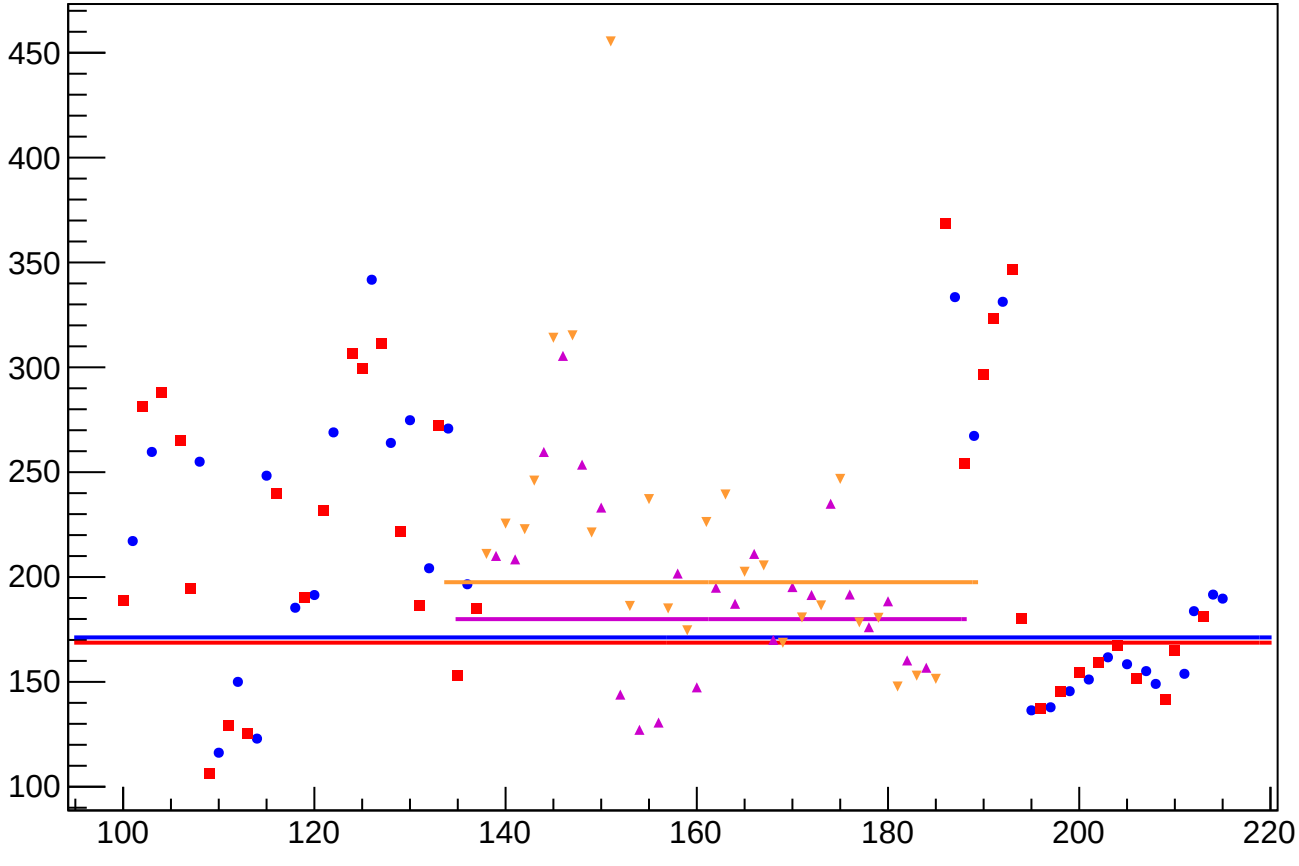
Right: -223.185+/-28.803 χ^2/NDF: 60.8/64

In: -64.015+/-29.784 χ^2/NDF:73.2/53

Out: -61.320+/-30.739 χ^2/NDF:75.8/58

All: -62.710+/-21.390 χ^2/NDF: 149.1/112

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.215+/-0.029 χ^2/NDF: 2353108.2/30

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 168.702+/-0.029 χ^2/NDF: 3028101.6/33

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

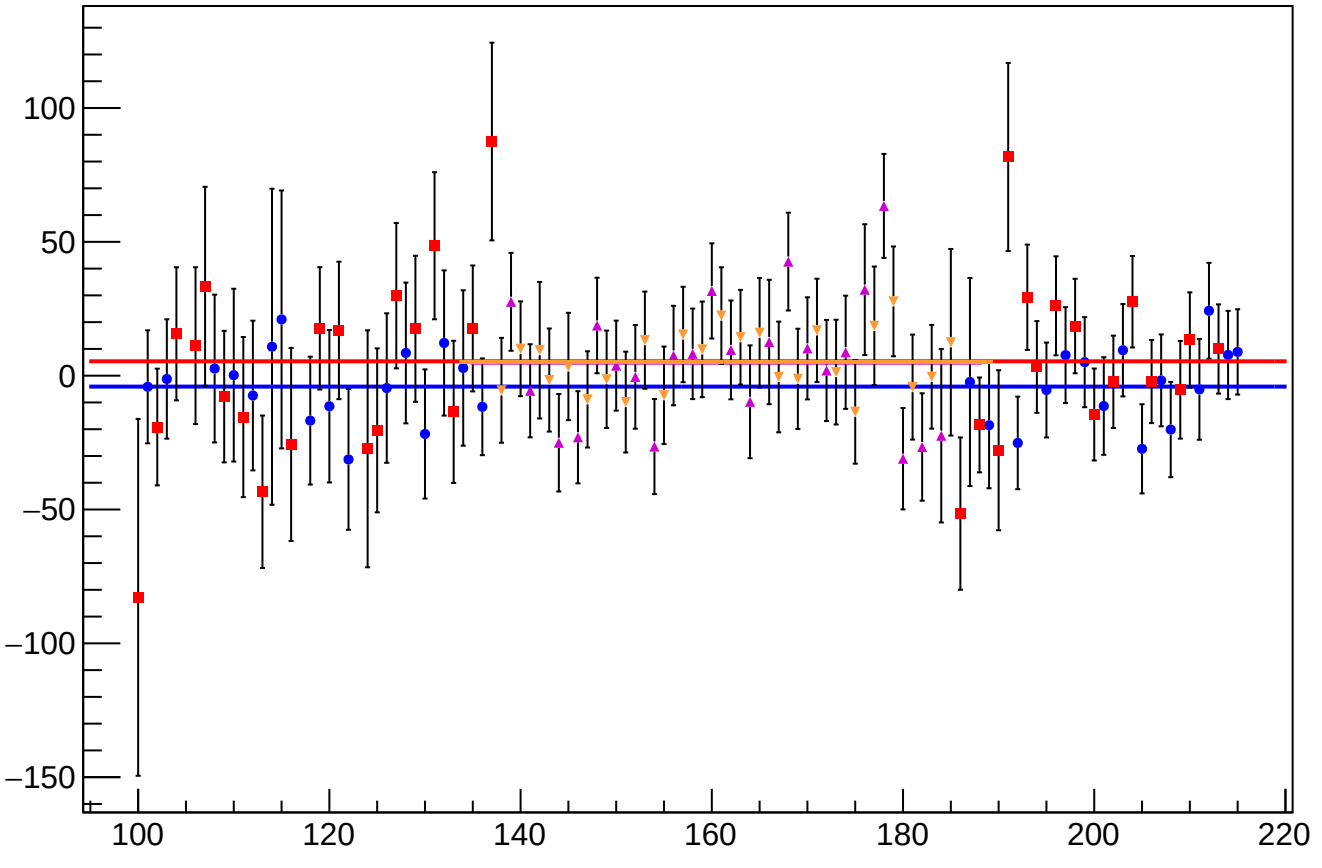
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 169.971+/-0.020 χ^2/NDF: 5385016.6/64

In: 175.220+/-0.021 χ^2/NDF:4019721.0/53

Out: 181.282+/-0.022 χ^2/NDF:5250764.7/58

All: 178.155+/-0.015 χ^2/NDF: 9310606.1/112



Right In: -4.081+/-3.815 χ^2/NDF: 13.0/30

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 5.375+/-3.888 χ^2/NDF: 38.3/33

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

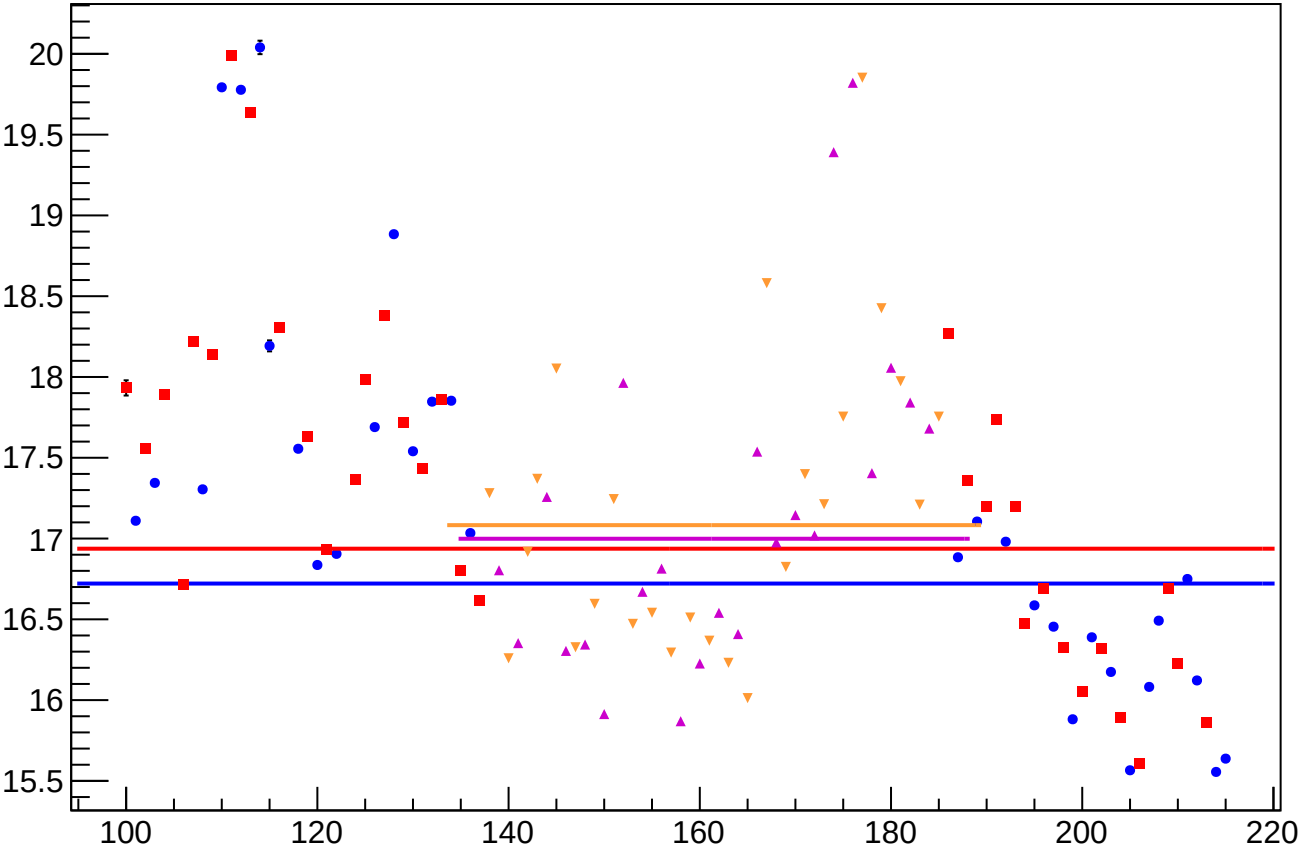
Right: 0.557+/-2.723 χ^2/NDF: 54.4/64

In: 0.199+/-2.754 χ^2/NDF:51.2/53

Out: 5.247+/-2.750 χ^2/NDF:46.3/58

All: 2.727+/-1.946 χ^2/NDF: 99.1/112

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.721+/-0.003 χ^2/NDF: 124673.9/30

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 16.937+/-0.003 χ^2/NDF: 122156.3/33

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

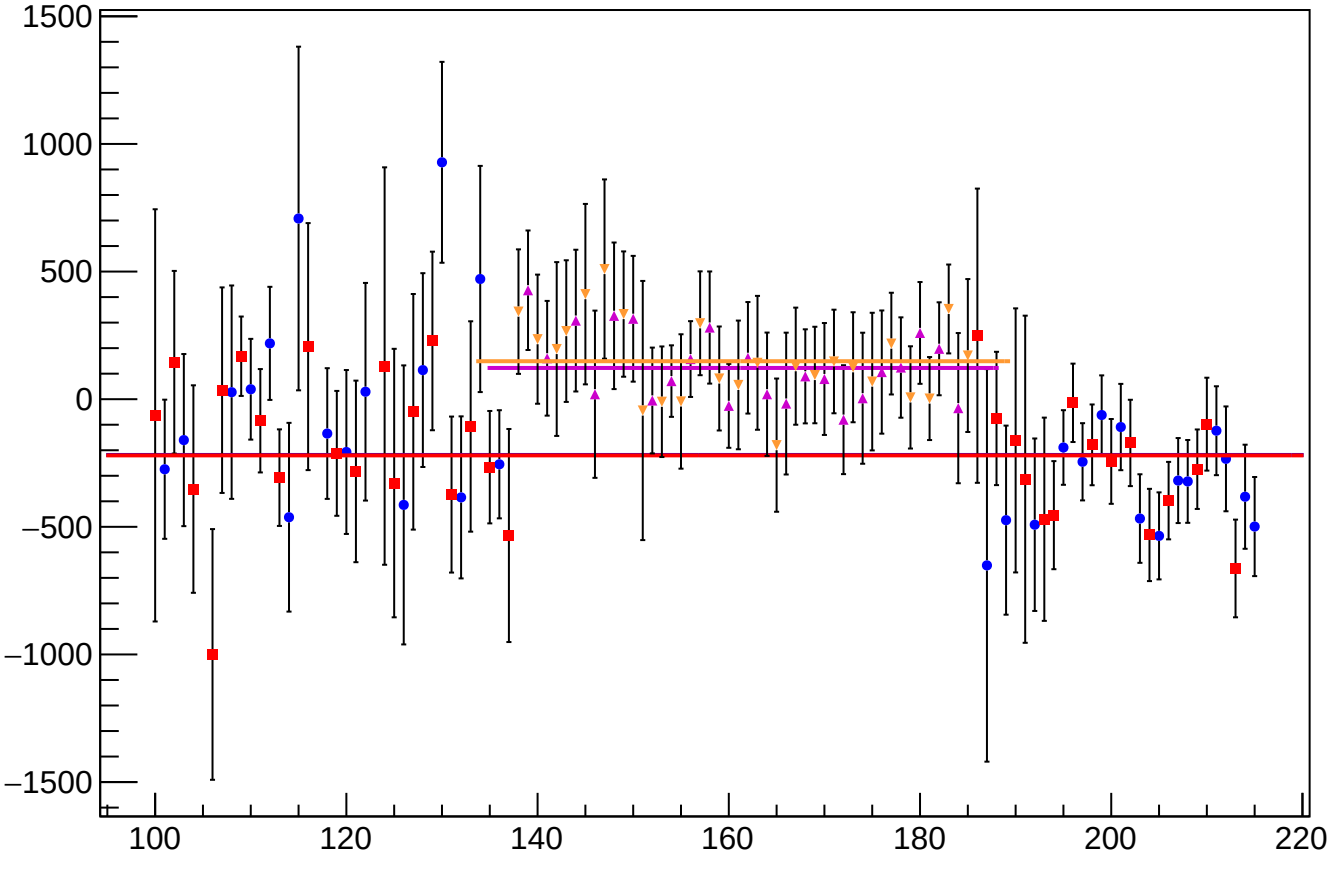
Right: 16.827+/-0.002 χ^2/NDF: 249968.9/64

In: 16.854+/-0.002 χ^2/NDF:233755.6/53

Out: 17.010+/-0.002 χ^2/NDF:220335.6/58

All: 16.932+/-0.001 χ^2/NDF: 457297.1/112

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -218.497+/-40.765 χ^2/NDF: 33.2/30

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -220.106+/-41.232 χ^2/NDF: 29.6/33

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

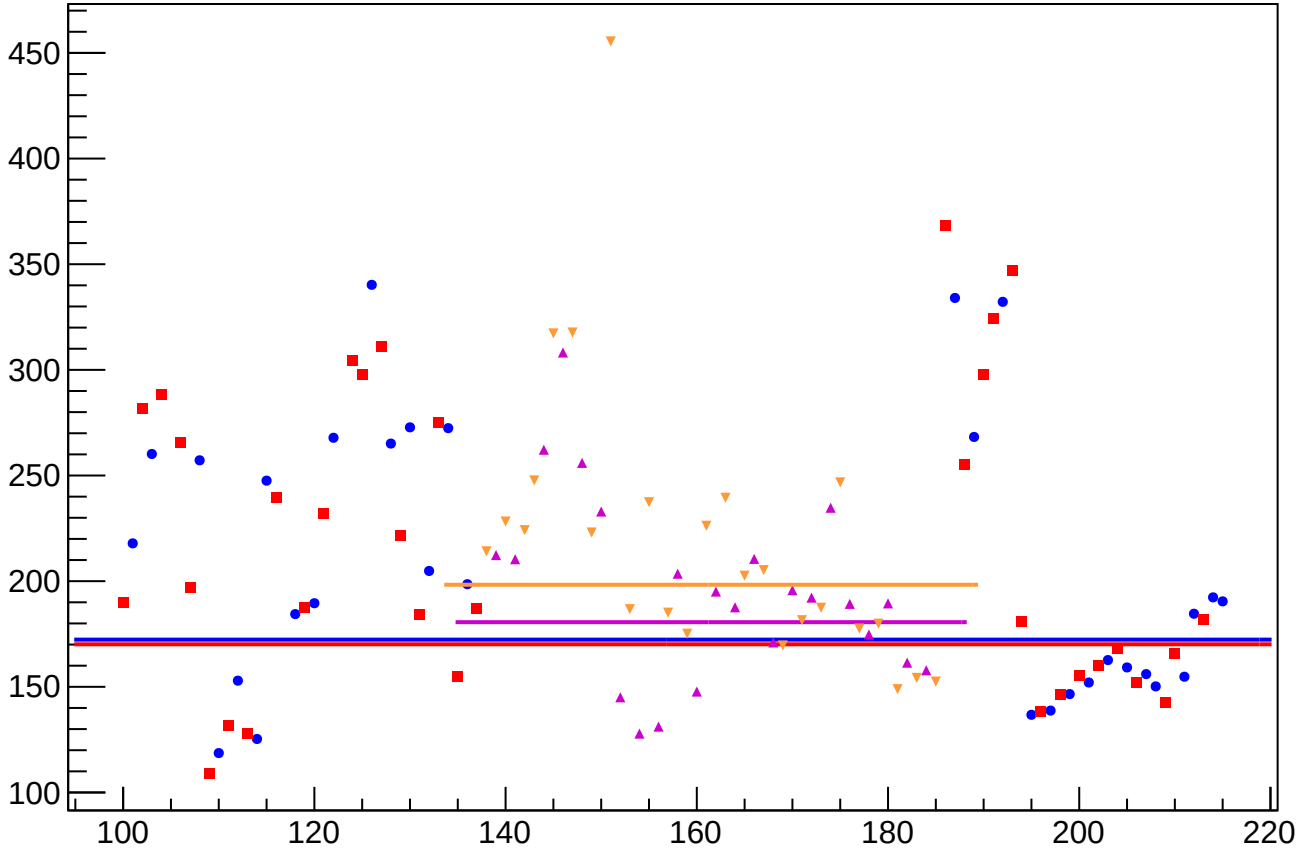
Right: -219.292+/-28.989 χ^2/NDF: 62.8/64

In: -61.361+/-29.929 χ^2/NDF:73.3/53

Out: -58.576+/-30.913 χ^2/NDF:74.2/58

All: -60.013+/-21.502 χ^2/NDF: 147.5/112

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.335+/-0.029 χ^2/NDF: 2307683.7/30

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 170.123+/-0.029 χ^2/NDF: 2938412.4/33

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

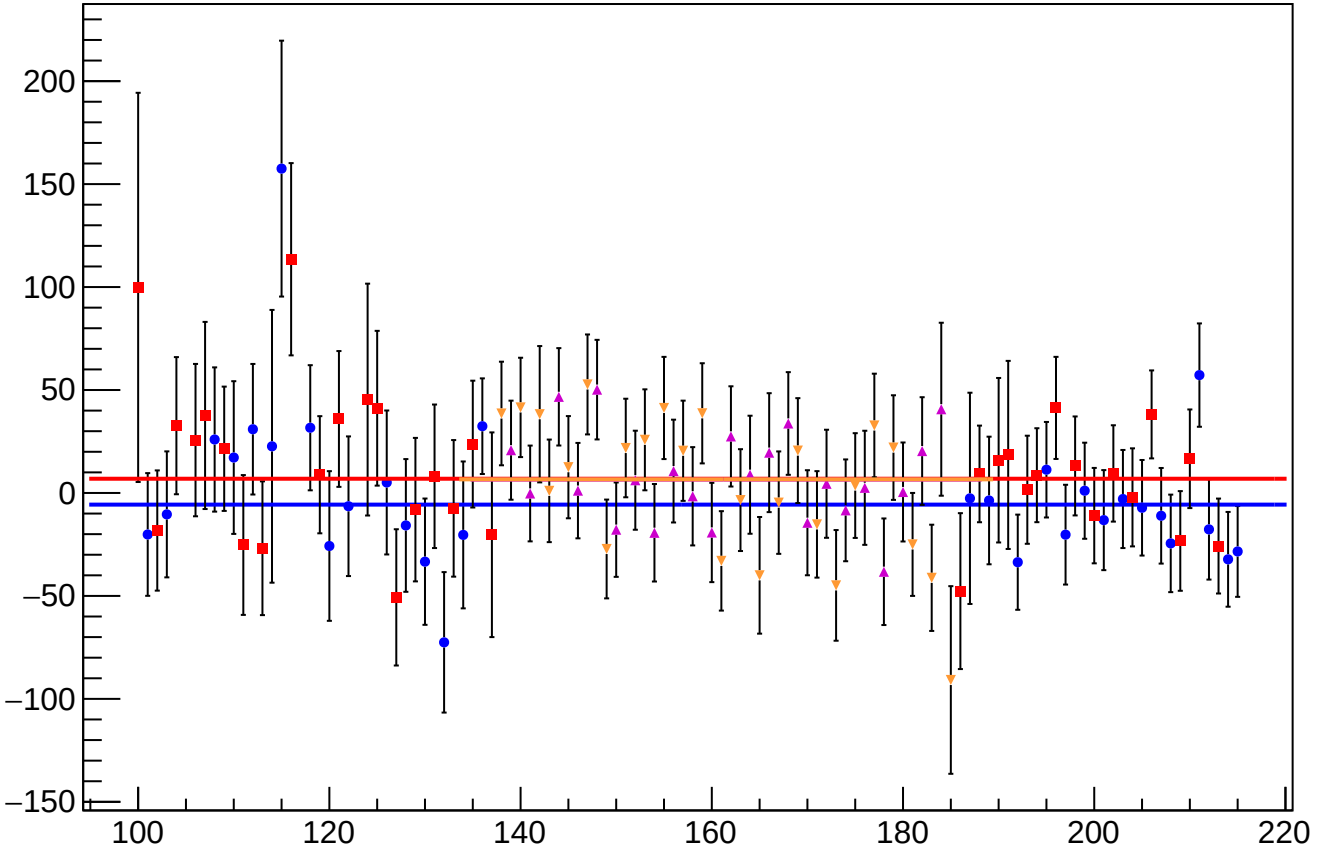
Right: 171.242+/-0.020 χ^2/NDF: 5249007.3/64

In: 176.146+/-0.021 χ^2/NDF:3973663.4/53

Out: 182.468+/-0.022 χ^2/NDF:5138078.1/58

All: 179.205+/-0.015 χ^2/NDF: 9154919.2/112

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.659+/-5.055 χ^2/NDF: 31.6/30

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 6.911+/-5.116 χ^2/NDF: 27.4/33

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

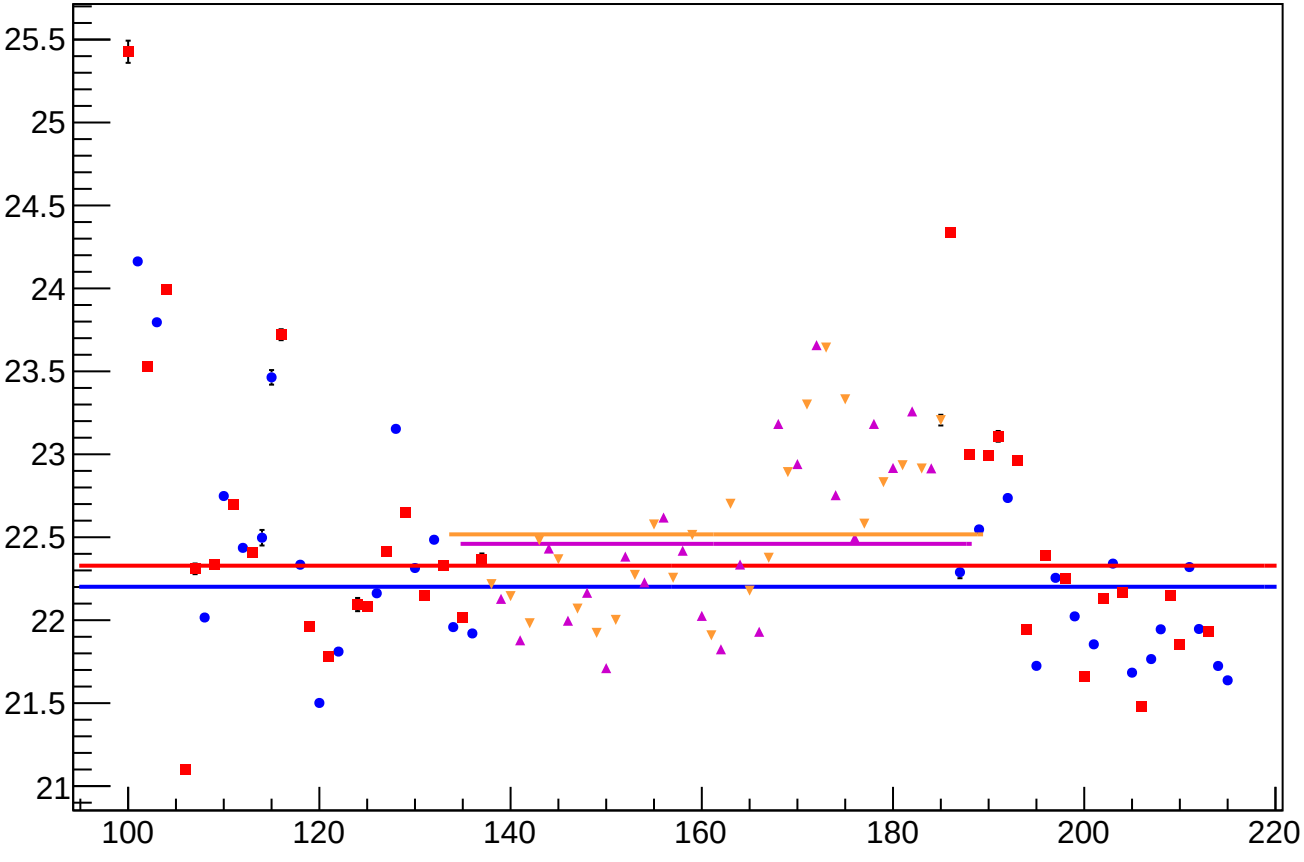
Right: 0.551+/-3.596 χ^2/NDF: 62.0/64

In: 0.186+/-3.640 χ^2/NDF:51.8/53

Out: 6.761+/-3.618 χ^2/NDF:64.3/58

All: 3.494+/-2.566 χ^2/NDF: 117.7/112

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.202+/-0.004 χ^2/NDF: 26050.2/30

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.329+/-0.004 χ^2/NDF: 32931.2/33

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

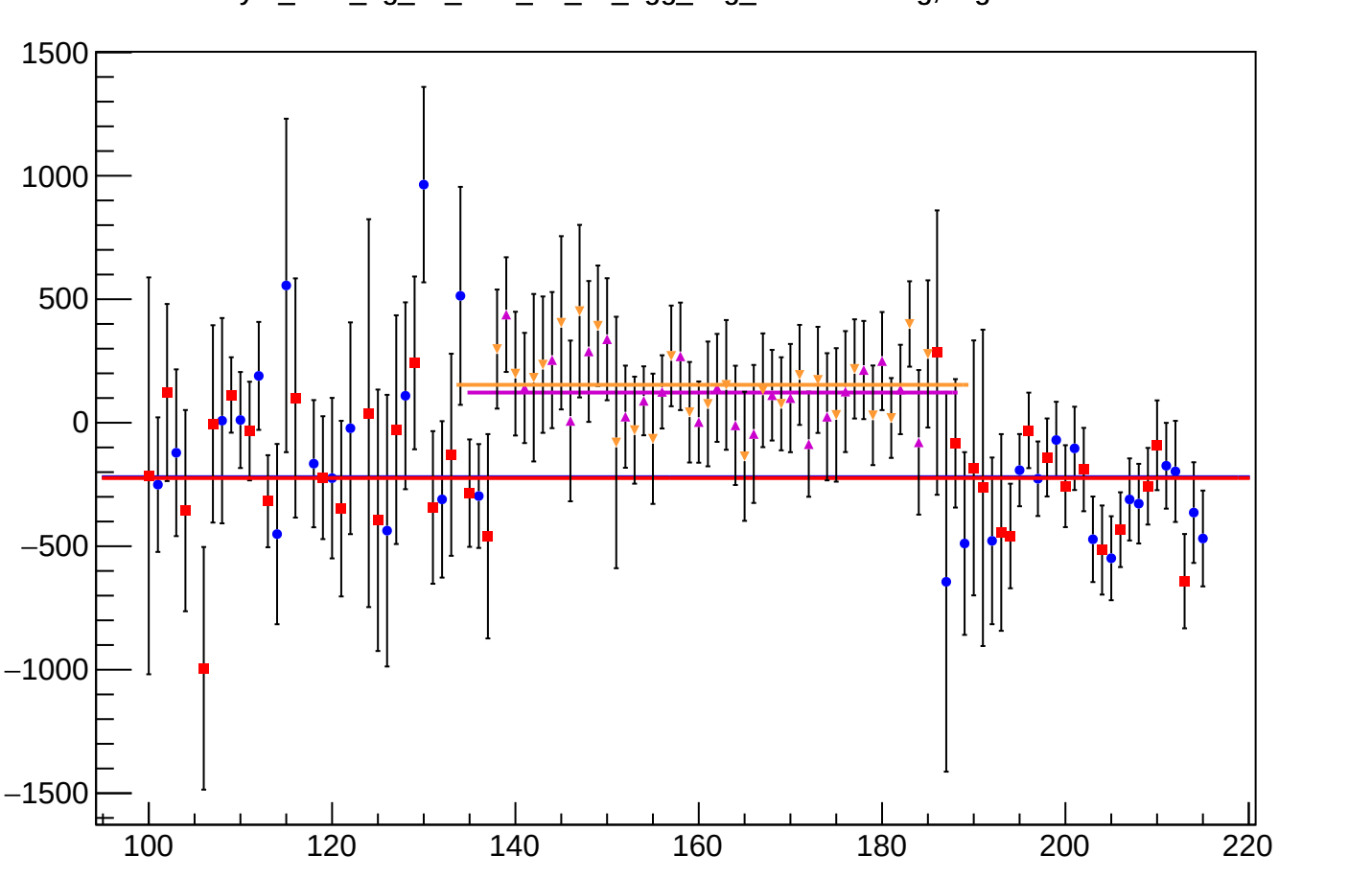
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.264+/-0.003 χ^2/NDF: 59605.5/64

In: 22.326+/-0.003 χ^2/NDF:47689.1/53

Out: 22.423+/-0.003 χ^2/NDF:50296.0/58

All: 22.375+/-0.002 χ^2/NDF: 98697.8/112



Right In: -220.358+/-40.650 χ^2/NDF: 31.8/30

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -223.972+/-41.066 χ^2/NDF: 27.6/33

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

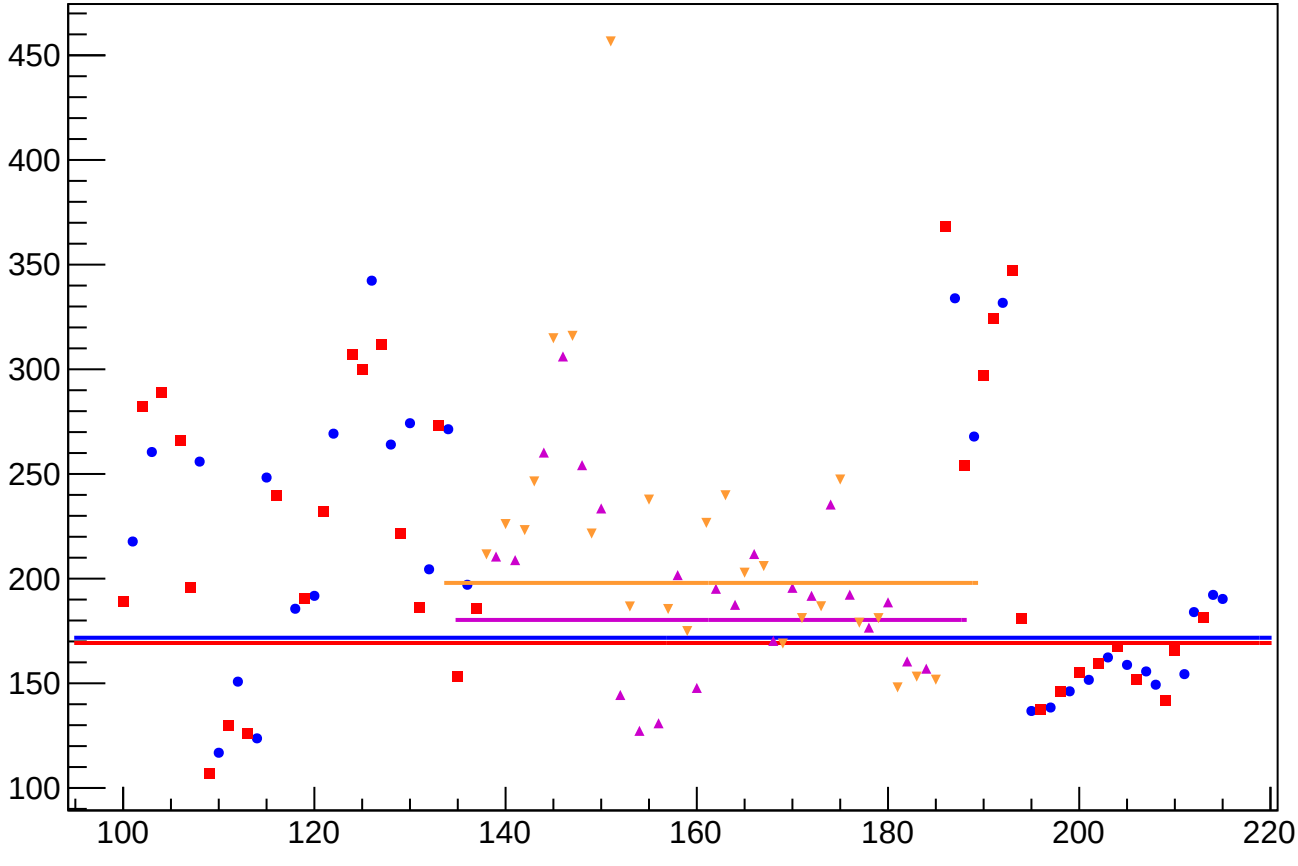
Right: -222.147+/-28.890 χ^2/NDF: 59.5/64

In: -62.653+/-29.860 χ^2/NDF:72.0/53

Out: -59.110+/-30.820 χ^2/NDF:74.6/58

All: -60.937+/-21.446 χ^2/NDF: 146.6/112

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.767+/-0.029 χ^2/NDF: 2339826.8/30

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 169.257+/-0.029 χ^2/NDF: 3009235.0/33

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

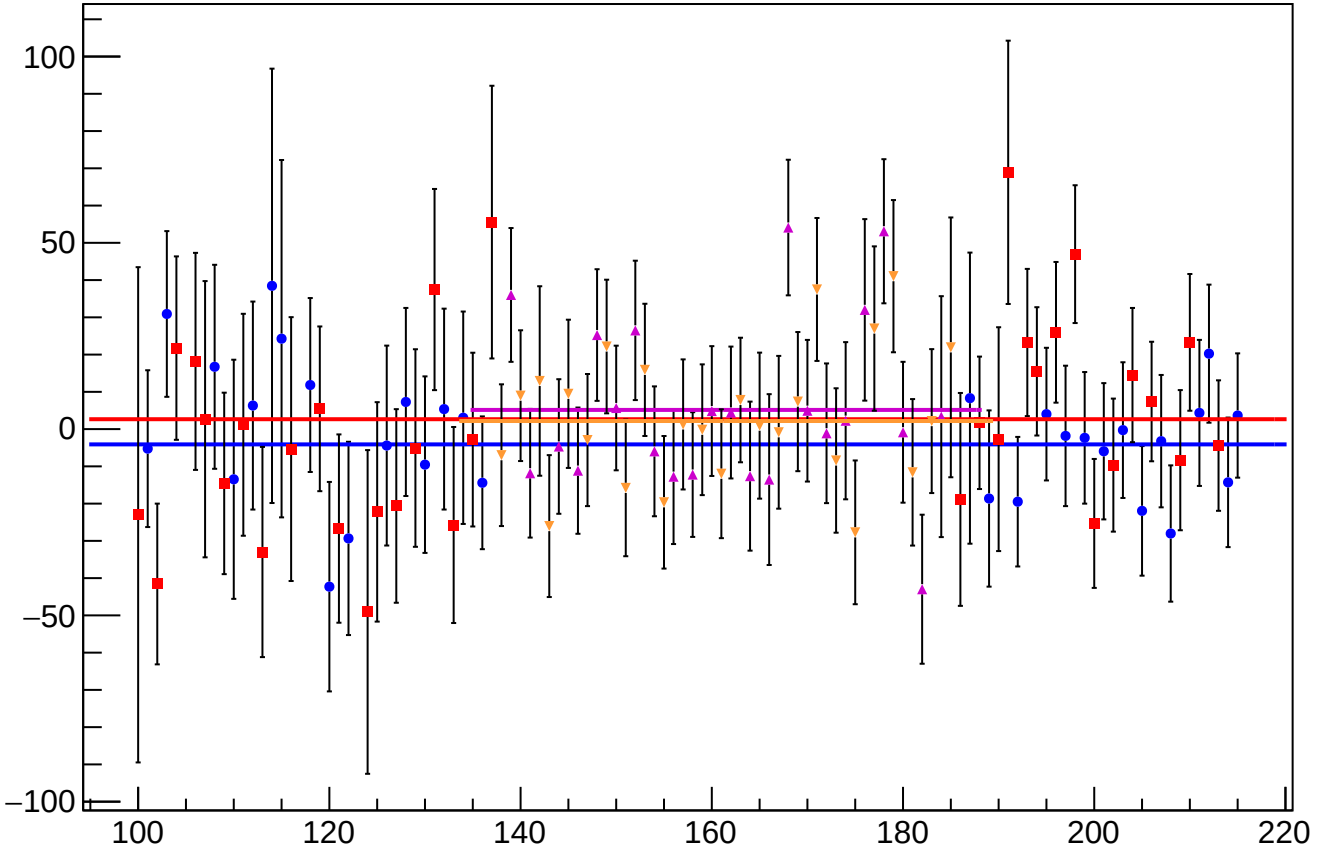
Right: 170.525+/-0.020 χ^2/NDF: 5352836.2/64

In: 175.684+/-0.021 χ^2/NDF:4004839.9/53

Out: 181.792+/-0.022 χ^2/NDF:5227233.8/58

All: 178.641+/-0.015 χ^2/NDF: 9272587.6/112

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.103+/-3.878 χ^2/NDF: 15.0/30

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 2.656+/-3.927 χ^2/NDF: 35.1/33

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

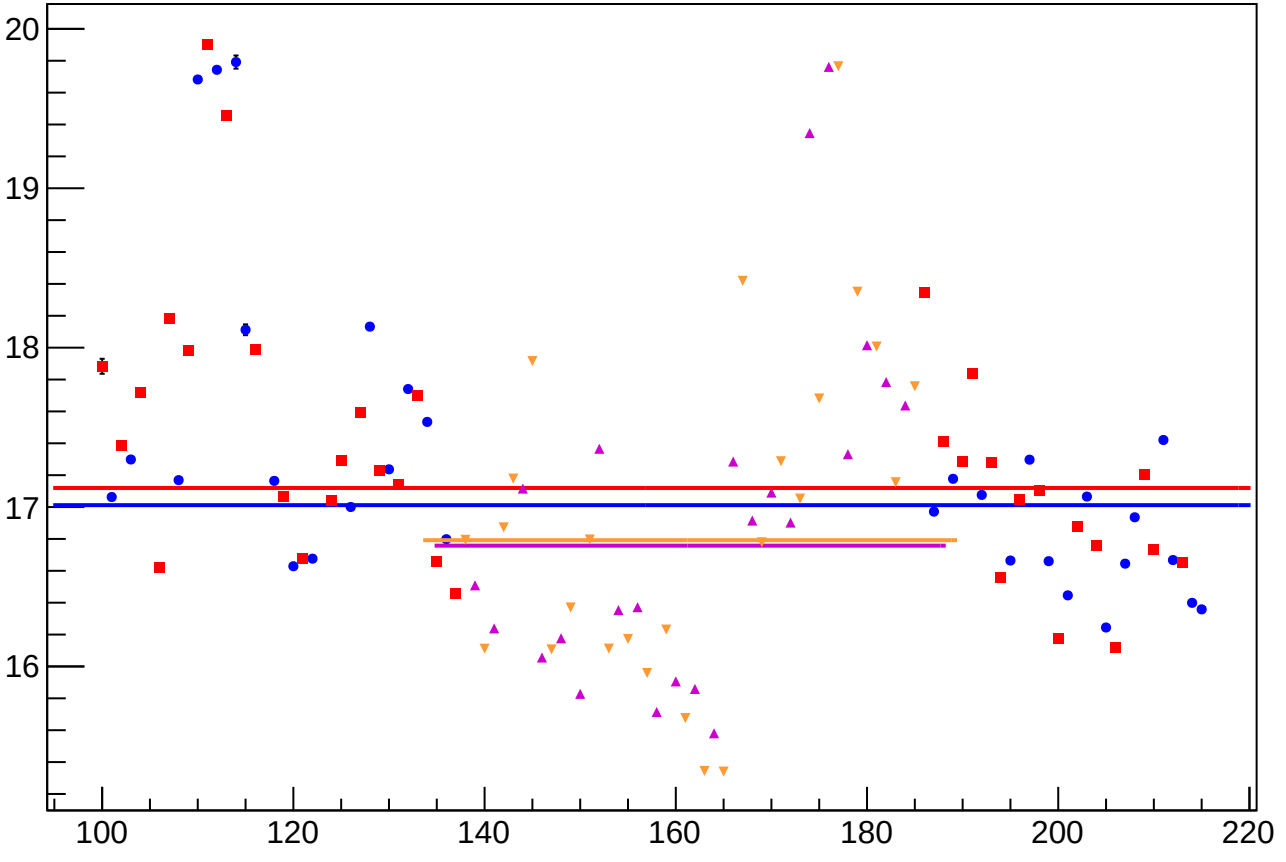
Right: -0.765+/-2.759 χ^2/NDF: 51.6/64

In: 0.469+/-2.758 χ^2/NDF:50.1/53

Out: 2.409+/-2.740 χ^2/NDF:55.1/58

All: 1.445+/-1.944 χ^2/NDF: 105.5/112

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.012+/-0.003 χ^2/NDF: 62308.4/30

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.120+/-0.003 χ^2/NDF: 67332.2/33

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

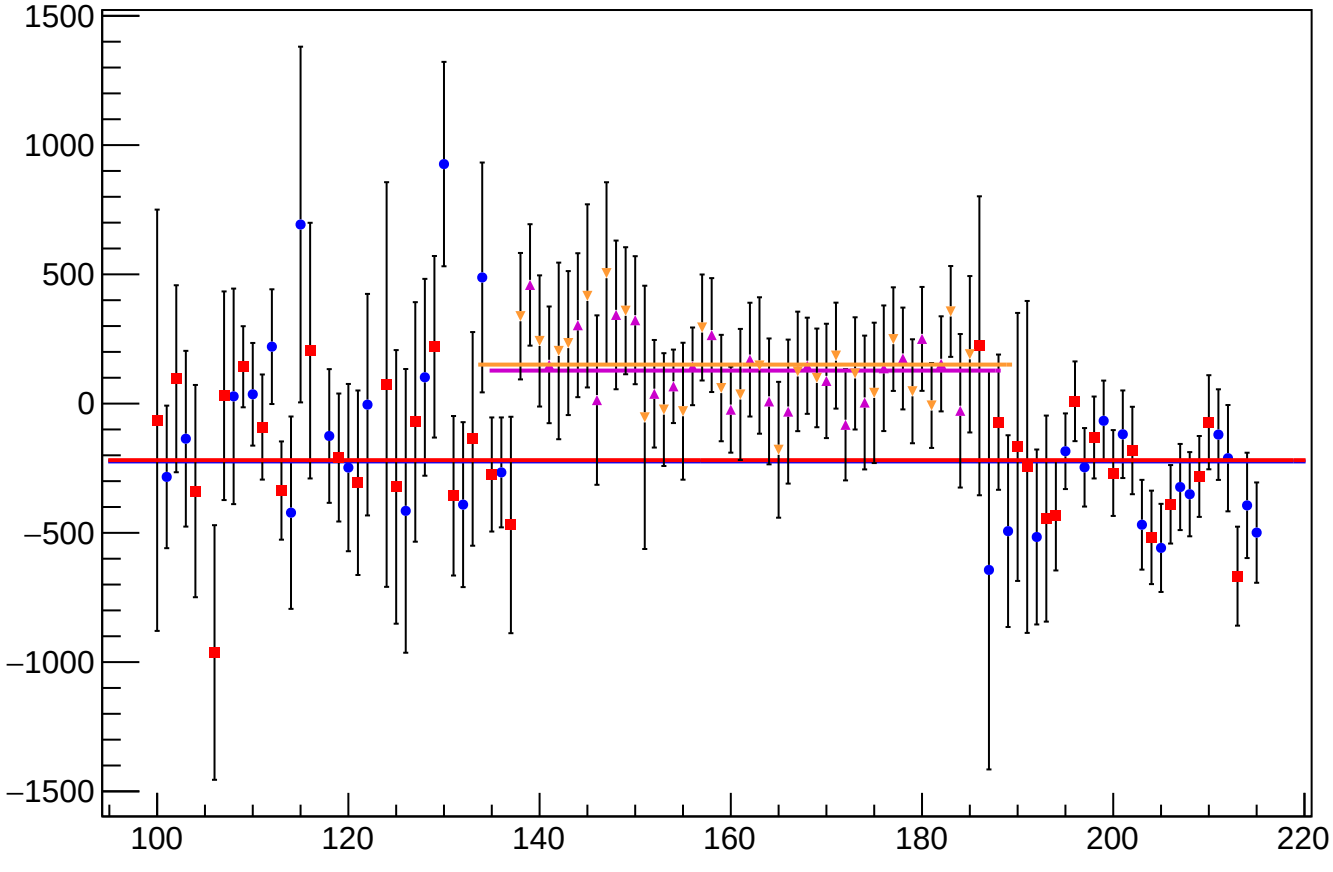
Right: 17.065+/-0.002 χ^2/NDF: 130405.2/64

In: 16.886+/-0.002 χ^2/NDF:189857.4/53

Out: 16.952+/-0.002 χ^2/NDF:211485.5/58

All: 16.919+/-0.001 χ^2/NDF: 401906.3/112

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -223.661+/-40.887 χ^2/NDF: 33.8/30

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -218.840+/-41.365 χ^2/NDF: 28.1/33

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

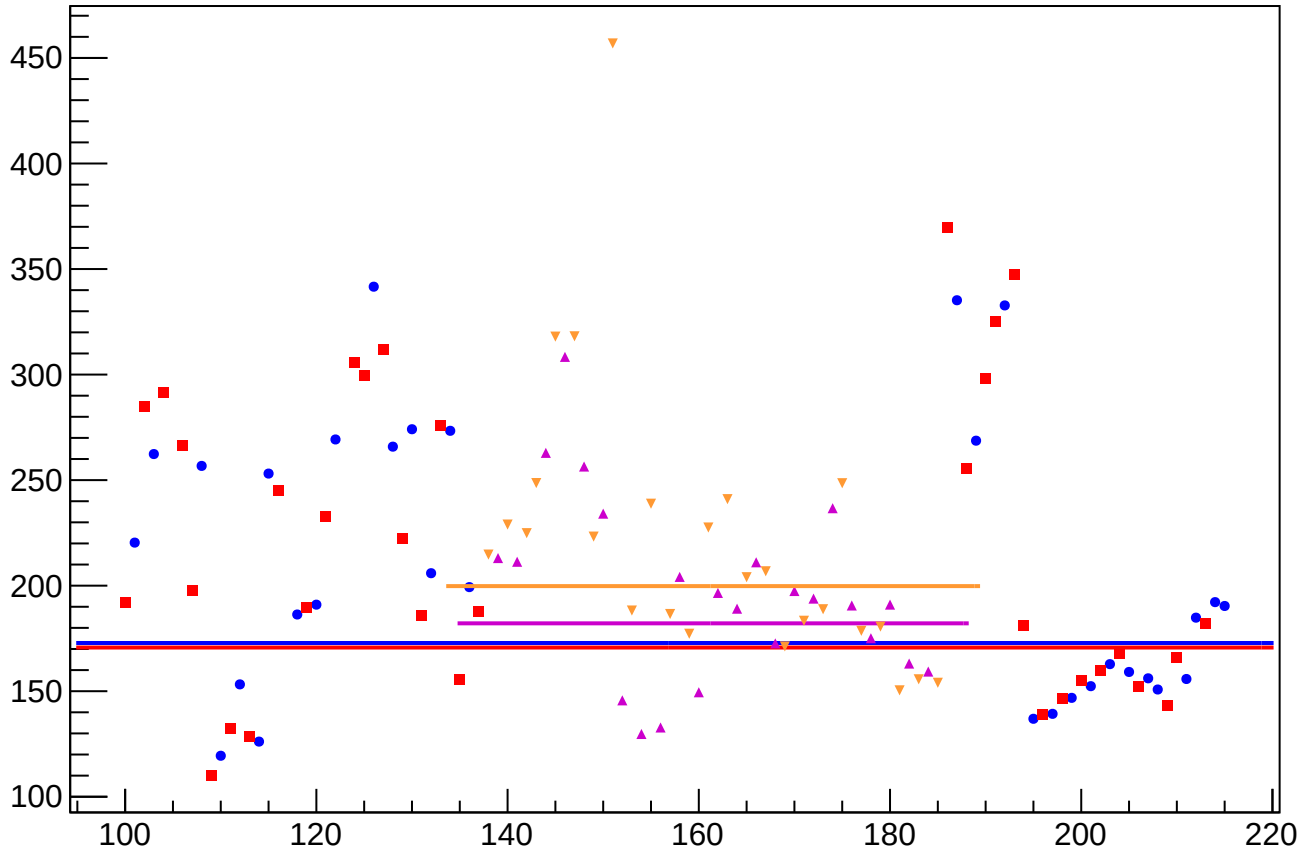
Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

Right: -221.279+/-29.079 χ^2/NDF: 61.9/64

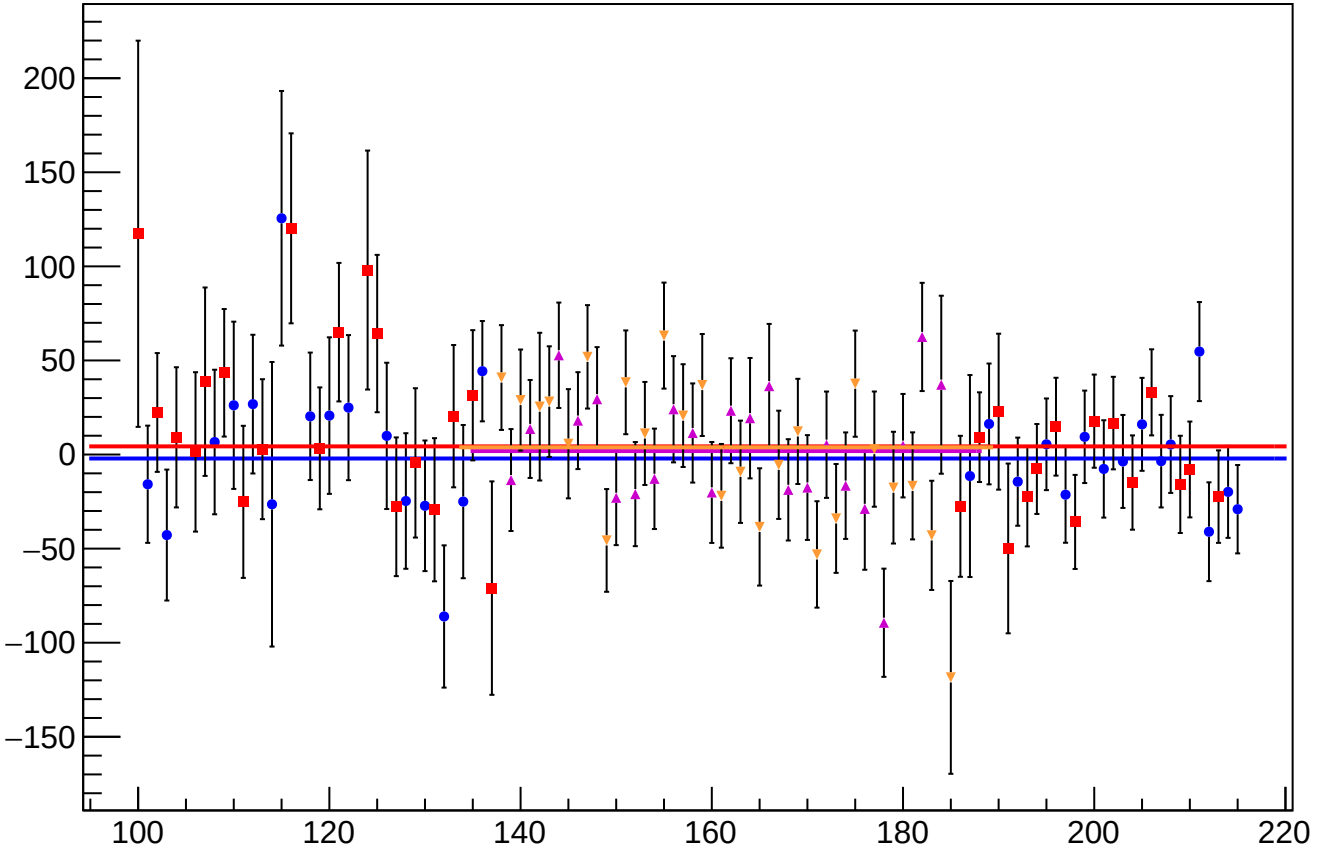
In: -62.529+/-30.085 χ^2/NDF:75.5/53

Out: -57.594+/-31.062 χ^2/NDF:72.9/58

All: -60.140+/-21.610 χ^2/NDF: 148.4/112


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
120
140
160
180
200
220
Right In: 172.841+/-0.029 χ²/NDF: 2314139.2/30
Left Out: 199.785+/-0.033 χ²/NDF:1760326.2/24
Right Out: 170.693+/-0.029 χ²/NDF: 2941117.0/33
Left In: 182.150+/-0.031 χ²/NDF:1584358.1/22
Left: 190.465+/-0.023 χ²/NDF: 3493266.0/47
Right: 171.779+/-0.021 χ²/NDF: 5257984.5/64
In: 177.110+/-0.021 χ²/NDF:3946044.2/53
Out: 183.380+/-0.022 χ²/NDF:5132884.2/58
All: 180.145+/-0.015 χ²/NDF: 9120983.4/112

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.109+/-5.456 χ^2/NDF: 27.7/30

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 4.334+/-5.499 χ^2/NDF: 31.4/33

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

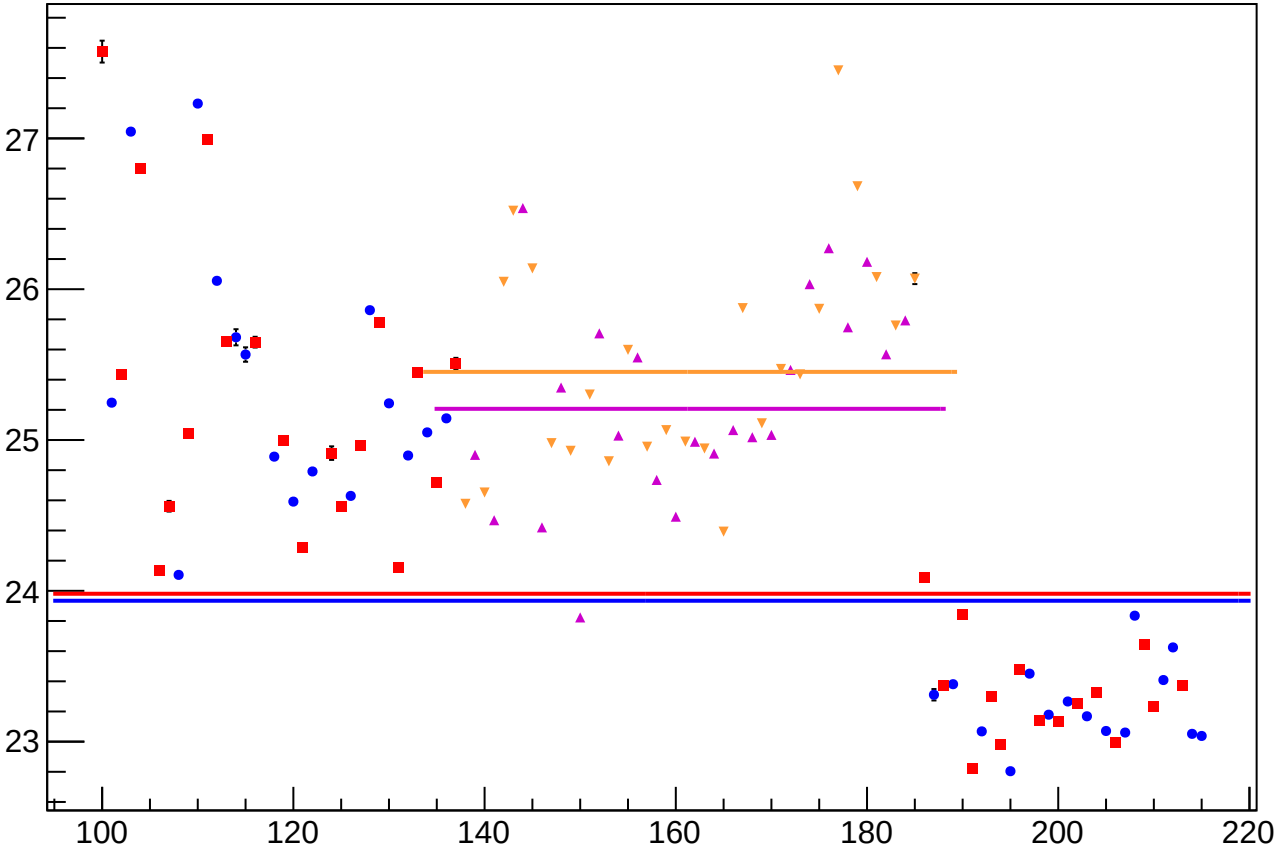
Right: 1.087+/-3.873 χ^2/NDF: 59.8/64

In: -0.282+/-4.003 χ^2/NDF:56.0/53

Out: 4.095+/-3.987 χ^2/NDF:69.0/58

All: 1.916+/-2.825 χ^2/NDF: 125.7/112

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 23.934+/-0.004 χ^2/NDF: 84020.1/30

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 23.981+/-0.004 χ^2/NDF: 74579.7/33

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

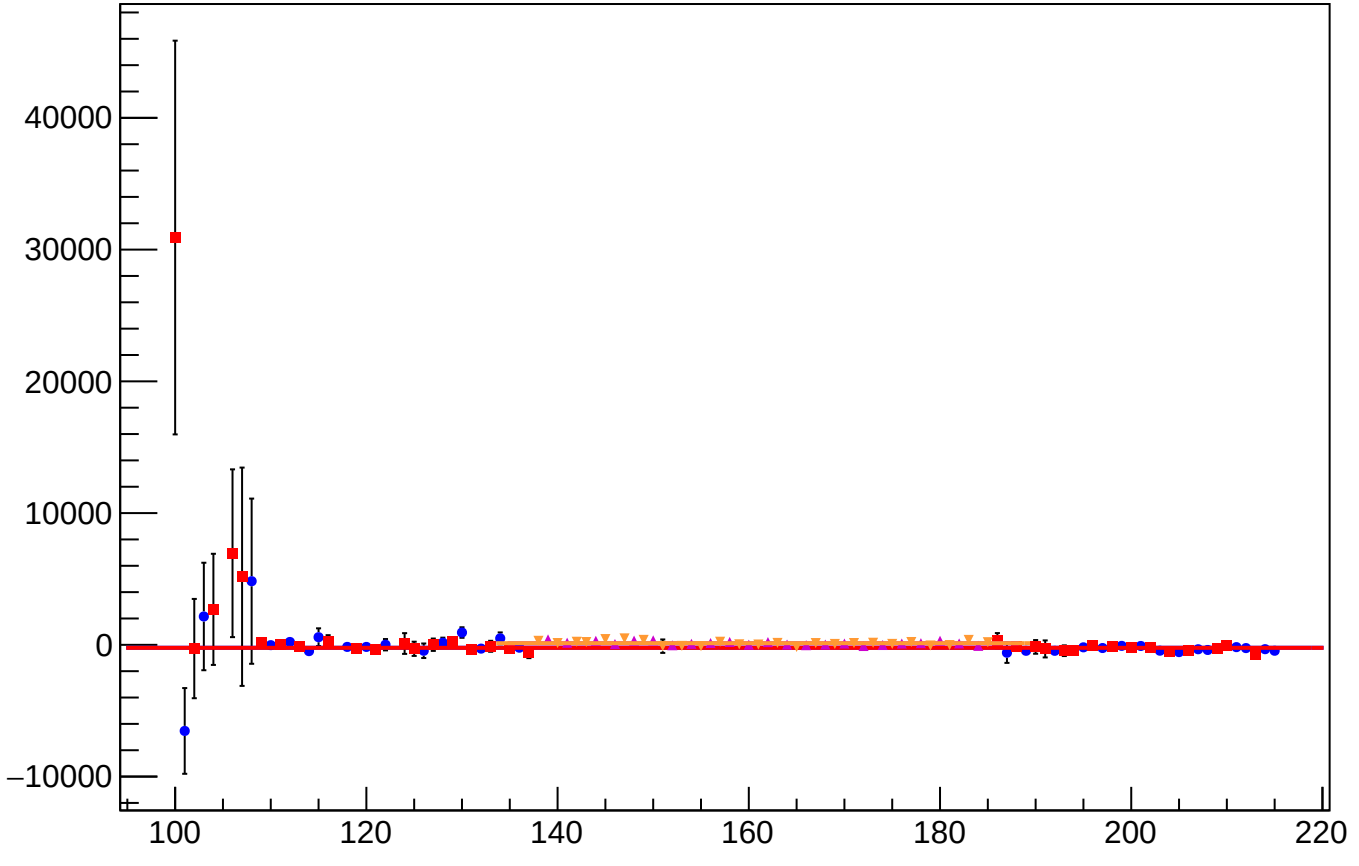
Right: 23.957+/-0.003 χ^2/NDF: 158671.3/64

In: 24.522+/-0.003 χ^2/NDF:160071.5/53

Out: 24.678+/-0.003 χ^2/NDF:172103.5/58

All: 24.600+/-0.002 χ^2/NDF: 333717.8/112

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -221.795+/-42.587 χ^2/NDF: 35.1/30

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -227.080+/-43.632 χ^2/NDF: 31.3/33

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

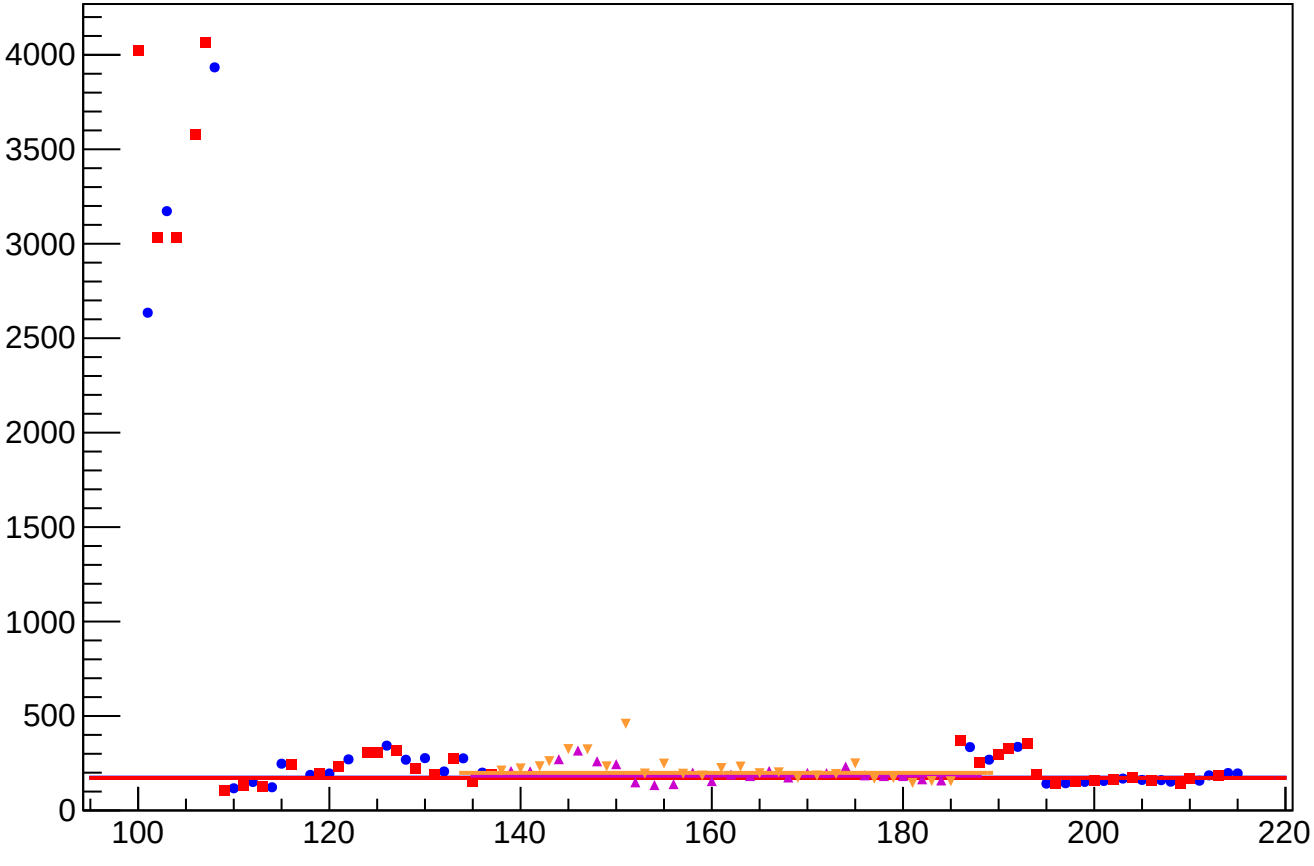
Right: -224.373+/-30.476 χ^2/NDF: 66.4/64

In: -61.103+/-30.890 χ^2/NDF:73.1/53

Out: -63.753+/-31.953 χ^2/NDF:72.7/58

All: -62.383+/-22.209 χ^2/NDF: 145.8/112

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.511+/-0.030 χ^2/NDF: 4936754.3/30

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 172.122+/-0.031 χ^2/NDF: 5587086.1/33

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

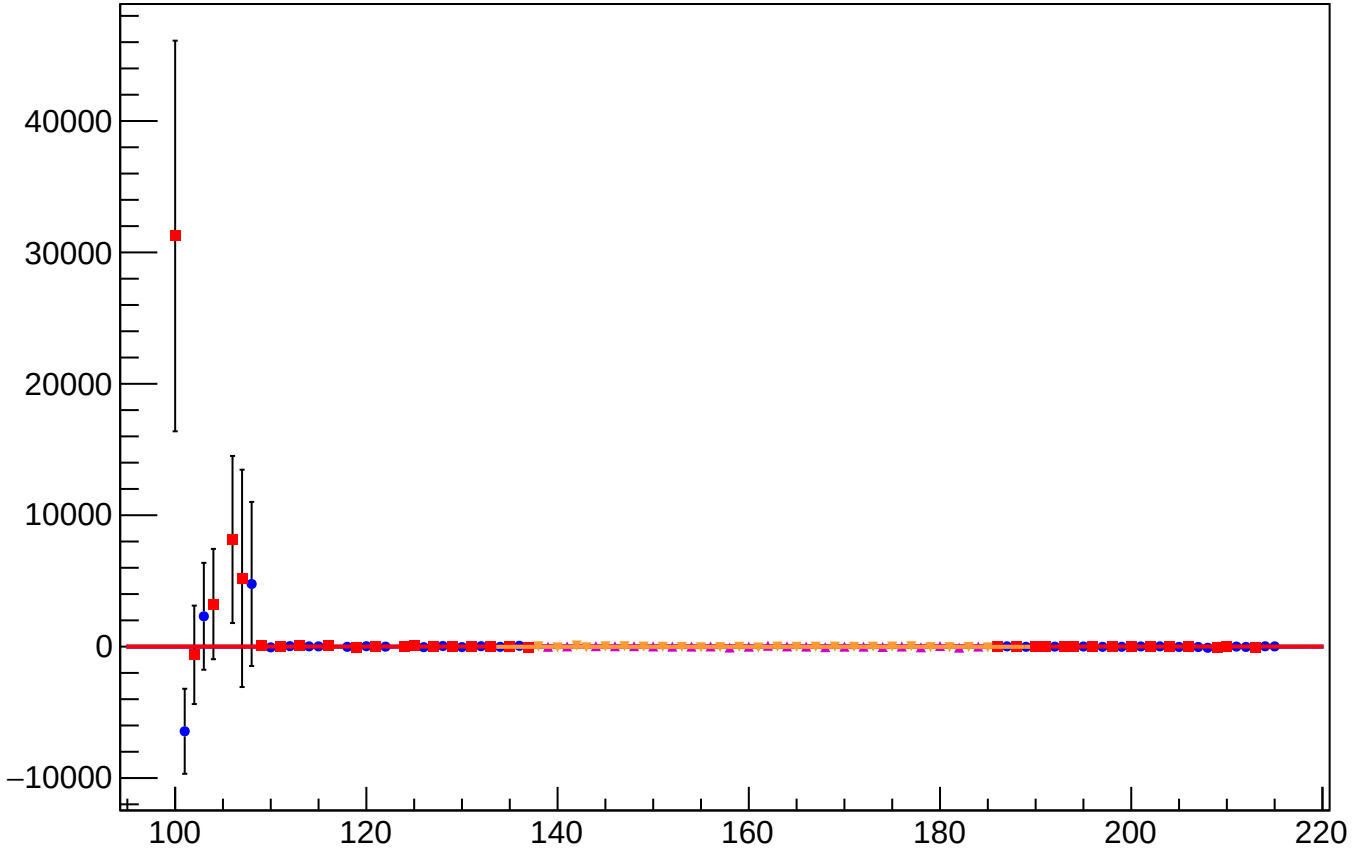
Right: 172.833+/-0.022 χ^2/NDF: 10524878.9/64

In: 178.671+/-0.022 χ^2/NDF:6445008.6/53

Out: 184.582+/-0.023 χ^2/NDF:7840997.1/58

All: 181.526+/-0.016 χ^2/NDF: 14321385.5/11

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.972+/-6.533 χ^2/NDF: 30.1/30

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 5.536+/-6.657 χ^2/NDF: 39.8/33

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

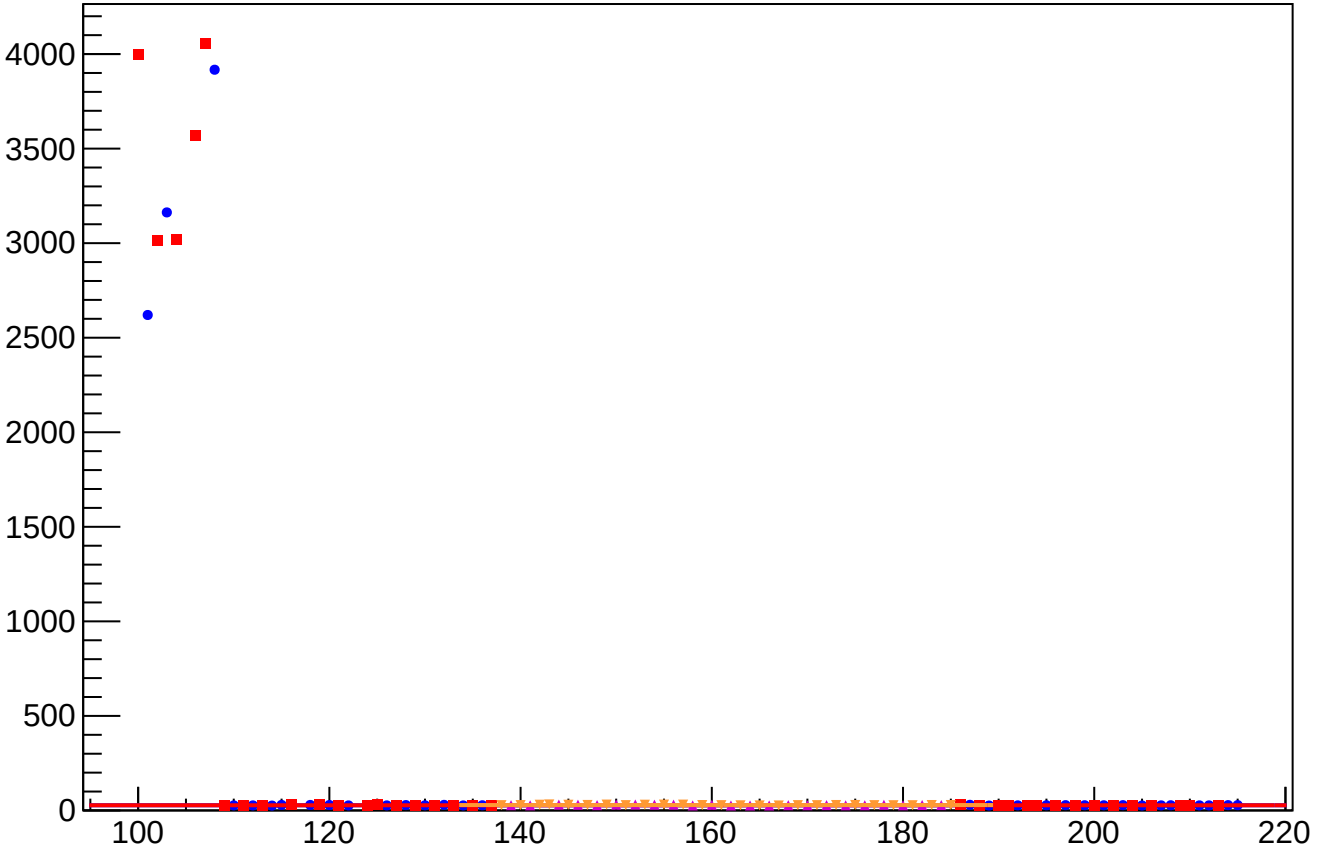
Right: 1.712+/-4.663 χ^2/NDF: 70.5/64

In: 0.047+/-4.679 χ^2/NDF:58.6/53

Out: -4.871+/-4.655 χ^2/NDF:66.8/58

All: -2.424+/-3.300 χ^2/NDF: 125.9/112

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.431+/-0.005 χ^2/NDF: 3283949.7/30

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.387+/-0.005 χ^2/NDF: 3595203.5/33

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

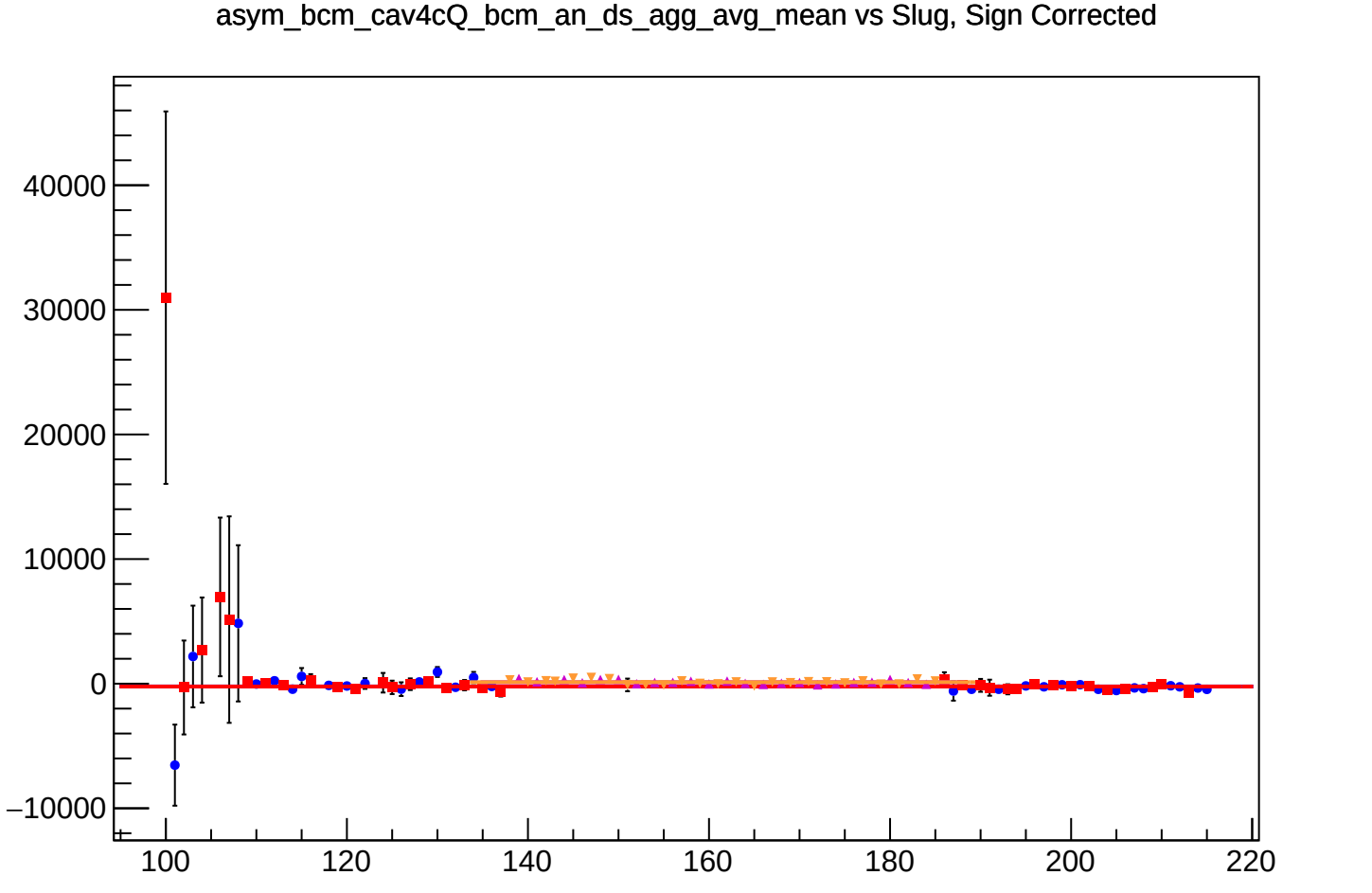
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.410+/-0.003 χ^2/NDF: 6879196.7/64

In: 28.003+/-0.003 χ^2/NDF:3438382.5/53

Out: 28.000+/-0.003 χ^2/NDF:3716448.1/58

All: 28.002+/-0.002 χ^2/NDF: 7154831.1/112



Right In: -223.251+/-42.463 χ^2/NDF: 35.6/30

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -227.884+/-43.510 χ^2/NDF: 32.2/33

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

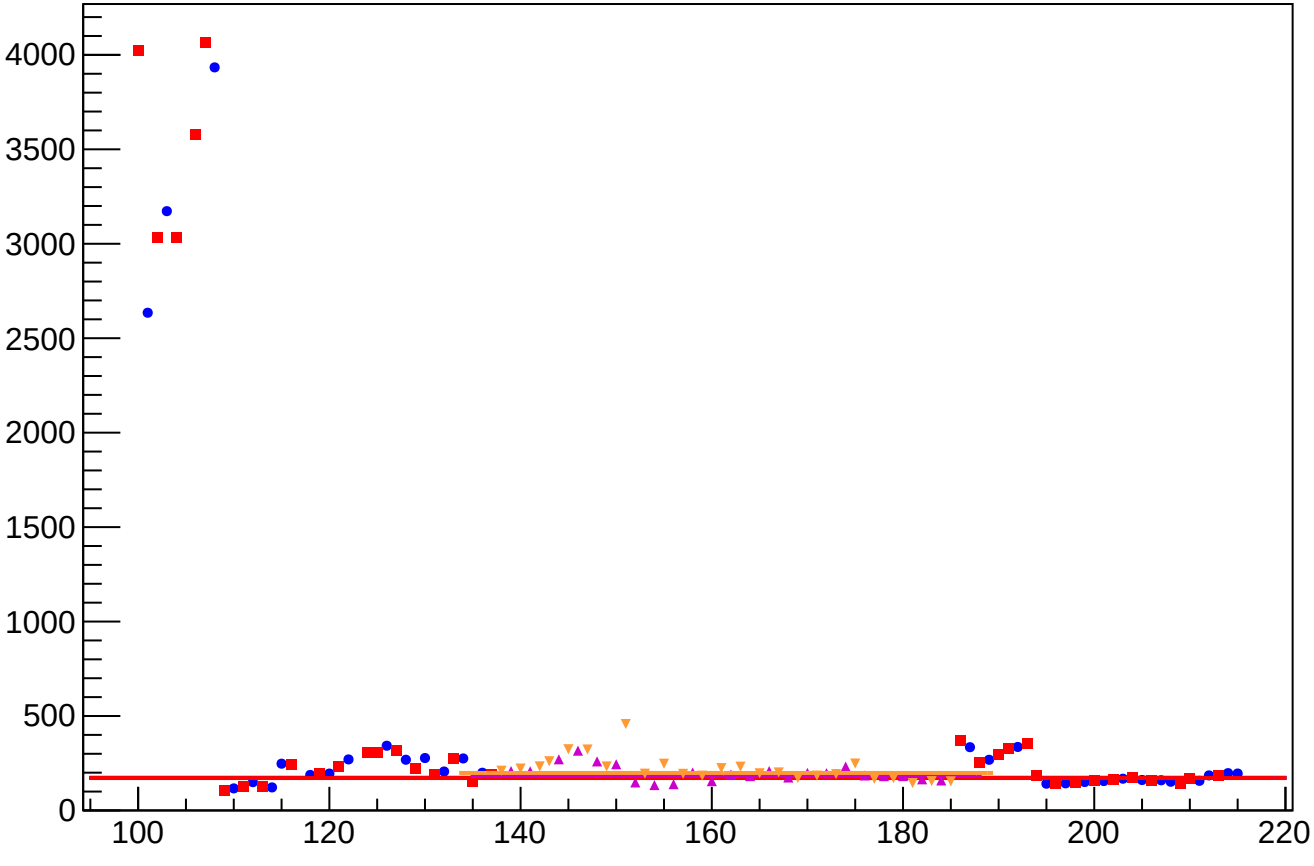
Right: -225.511+/-30.389 χ^2/NDF: 67.9/64

In: -62.535+/-30.814 χ^2/NDF:74.3/53

Out: -65.804+/-31.874 χ^2/NDF:74.2/58

All: -64.115+/-22.154 χ^2/NDF: 148.5/112

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.973+/-0.030 χ^2/NDF: 4950508.2/30

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 171.589+/-0.031 χ^2/NDF: 5605939.0/33

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

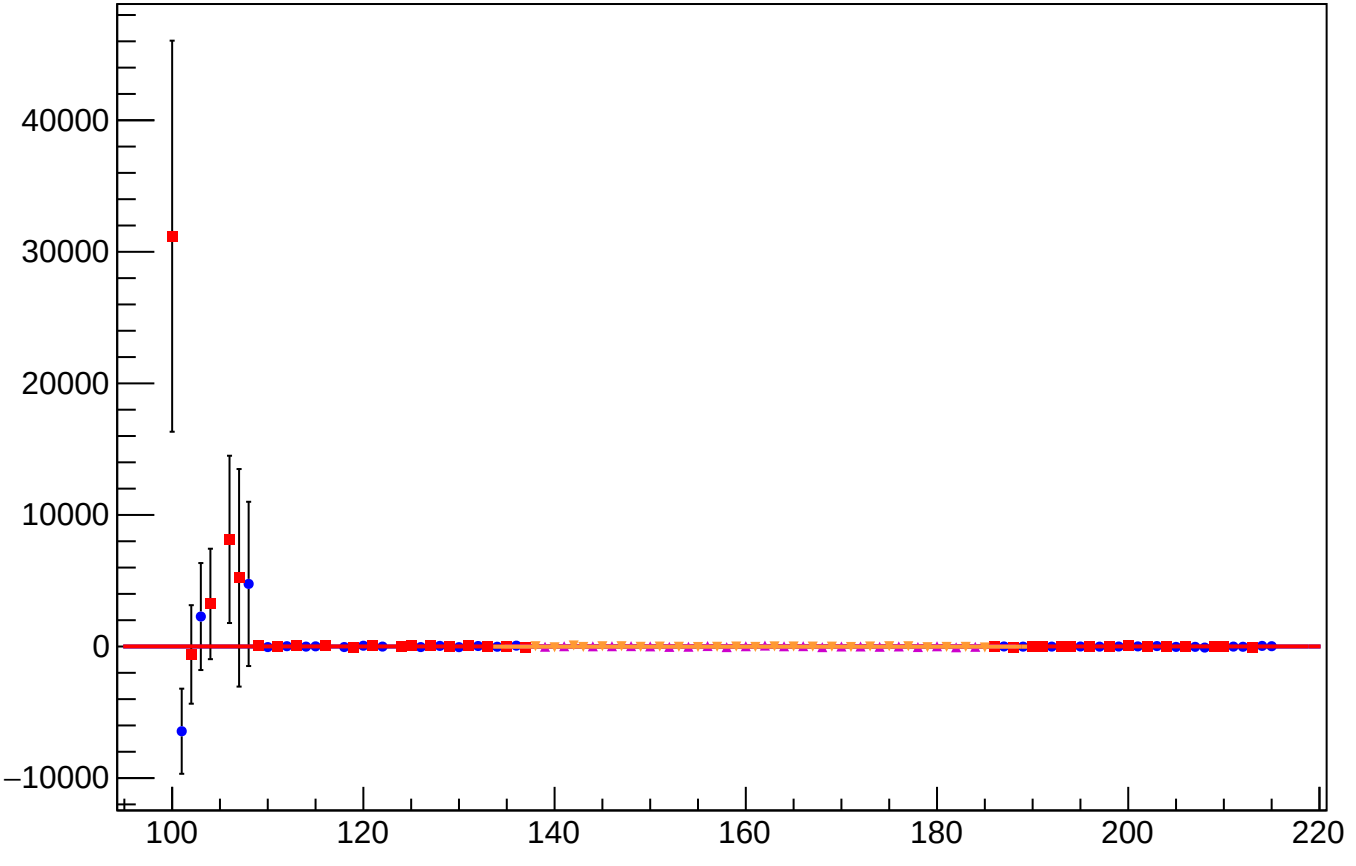
Right: 172.298+/-0.021 χ^2/NDF: 10557482.4/64

In: 178.217+/-0.022 χ^2/NDF:6460377.4/53

Out: 184.091+/-0.023 χ^2/NDF:7863802.3/58

All: 181.055+/-0.016 χ^2/NDF: 14359291.7/11

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.695+/-6.497 χ^2/NDF: 32.9/30

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 7.057+/-6.631 χ^2/NDF: 37.8/33

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

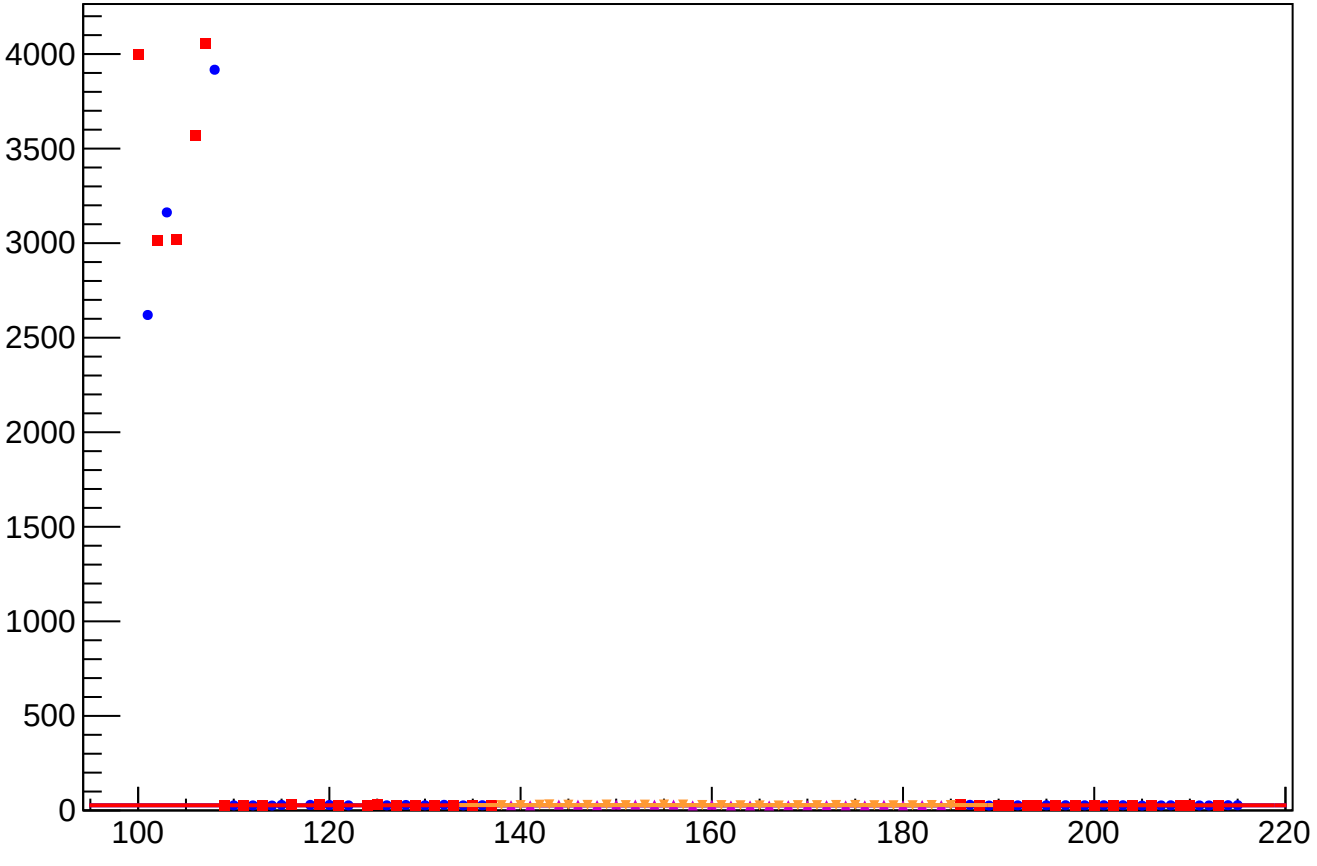
Right: 2.592+/-4.641 χ^2/NDF: 71.6/64

In: 0.365+/-4.675 χ^2/NDF:55.3/53

Out: -2.532+/-4.657 χ^2/NDF:59.8/58

All: -1.090+/-3.299 χ^2/NDF: 115.3/112

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.276+/-0.005 χ^2/NDF: 3289896.2/30

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.278+/-0.005 χ^2/NDF: 3598479.8/33

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

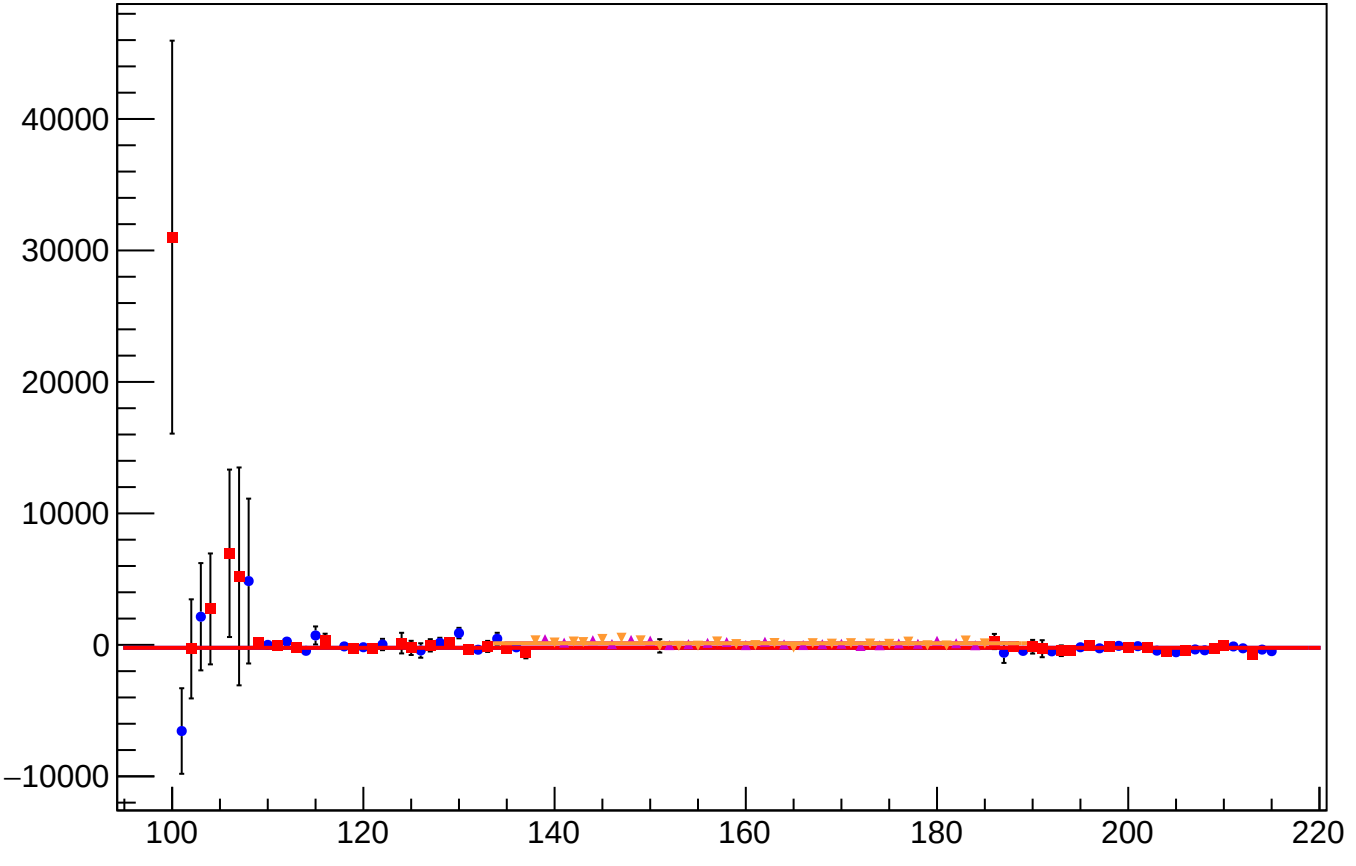
Right: 27.277+/-0.003 χ^2/NDF: 6888376.2/64

In: 27.976+/-0.003 χ^2/NDF:3465452.1/53

Out: 28.003+/-0.003 χ^2/NDF:3744427.1/58

All: 27.989+/-0.002 χ^2/NDF: 7209912.2/112

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -224.122+/-42.764 χ^2/NDF: 37.1/30

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -224.411+/-43.836 χ^2/NDF: 31.2/33

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

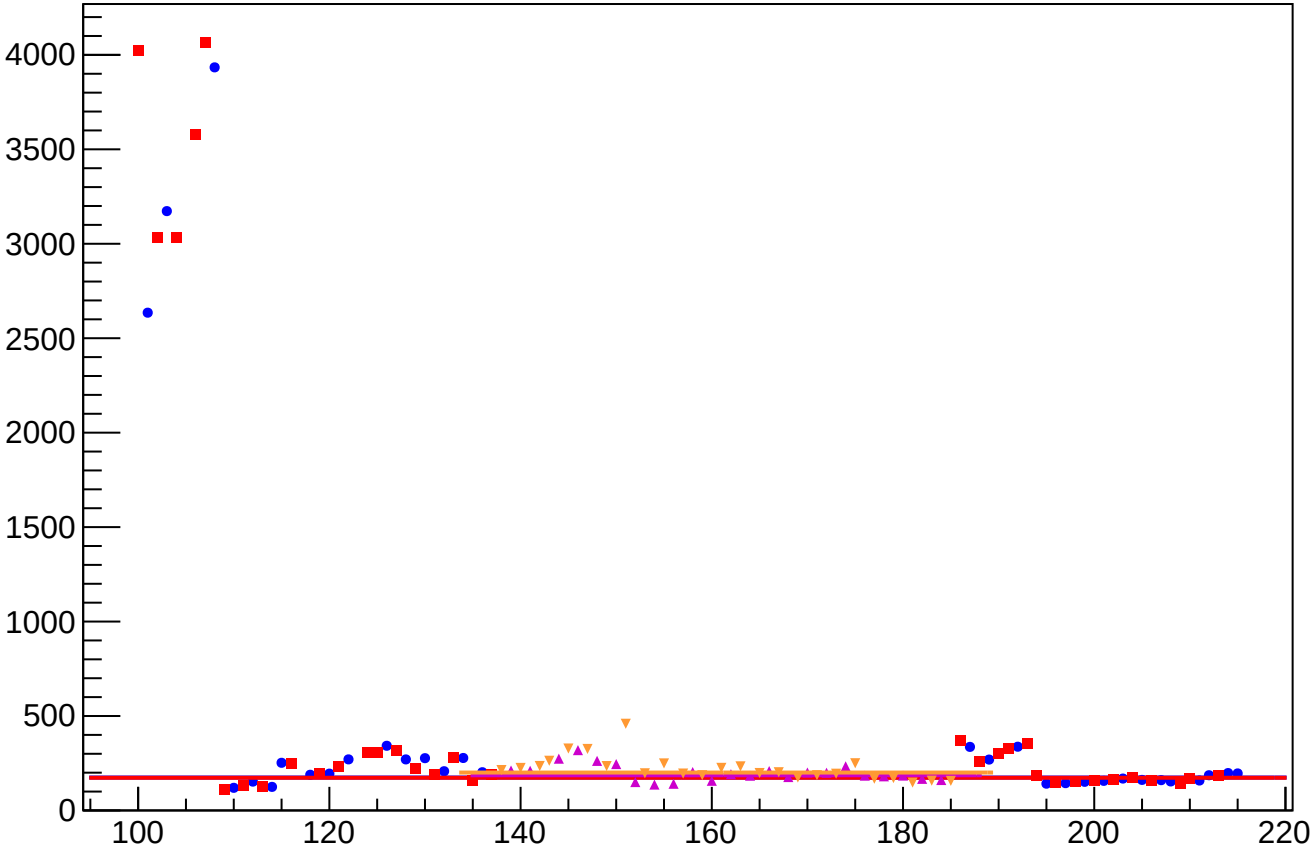
Right: -224.263+/-30.611 χ^2/NDF: 68.3/64

In: -60.408+/-31.087 χ^2/NDF:76.6/53

Out: -63.950+/-32.152 χ^2/NDF:71.6/58

All: -62.119+/-22.349 χ^2/NDF: 148.2/112

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.306+/-0.030 χ^2/NDF: 4913121.3/30

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 173.068+/-0.031 χ^2/NDF: 5542669.6/33

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

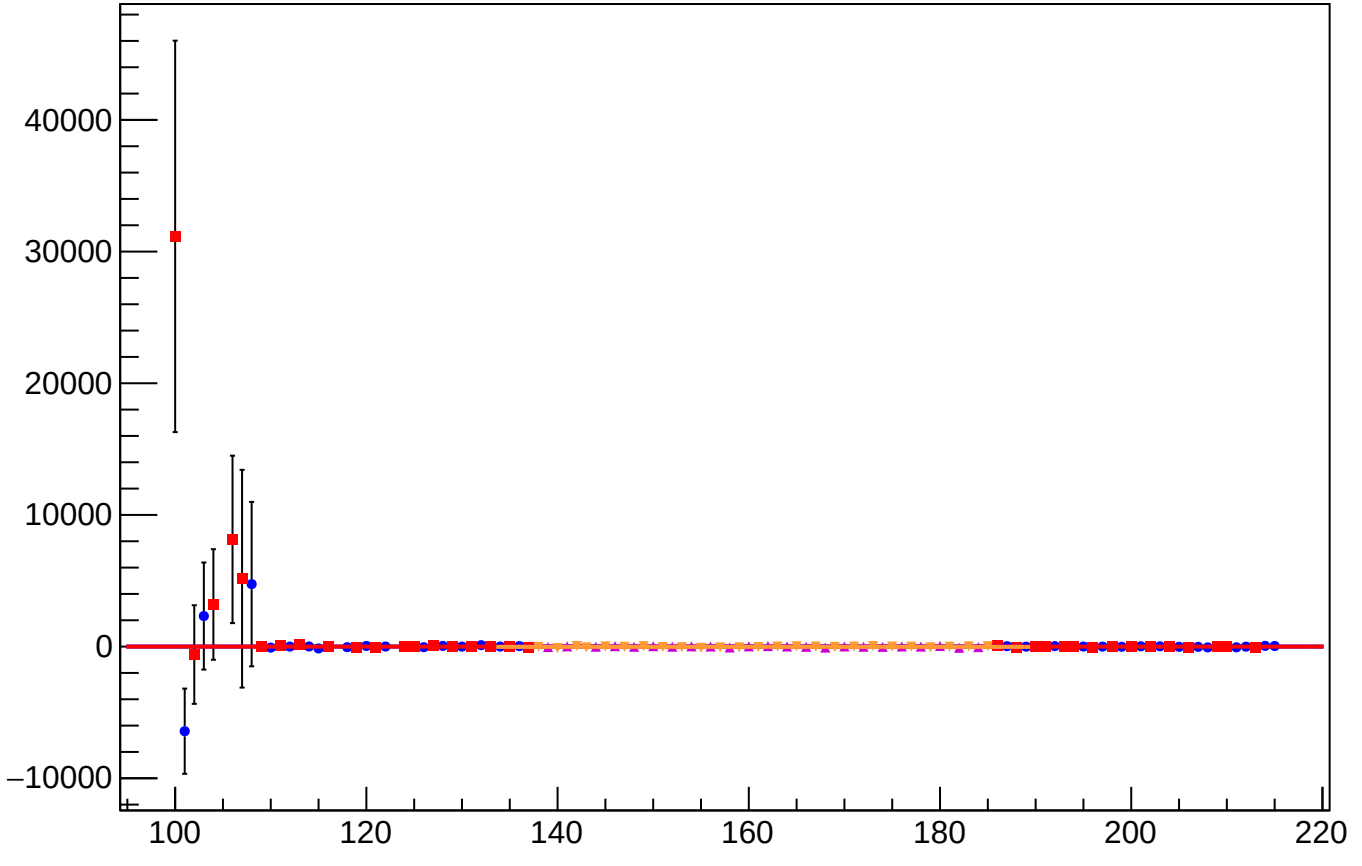
Right: 173.702+/-0.022 χ^2/NDF: 10456607.2/64

In: 179.900+/-0.022 χ^2/NDF:6399092.0/53

Out: 185.829+/-0.023 χ^2/NDF:7789540.6/58

All: 182.765+/-0.016 χ^2/NDF: 14223784.5/11

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.847+/-7.924 χ^2/NDF: 29.6/30

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -0.913+/-8.095 χ^2/NDF: 35.4/33

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

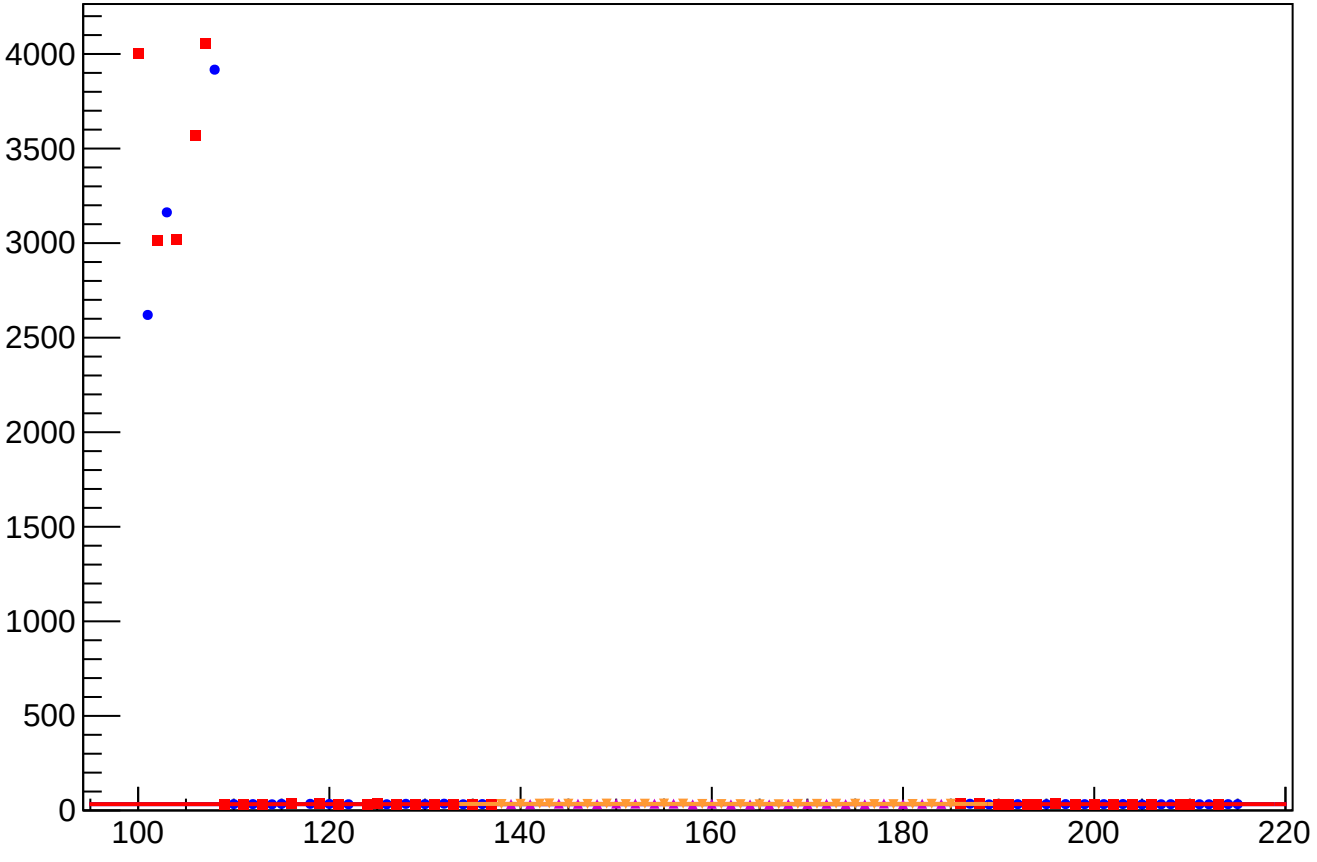
Right: 1.008+/-5.663 χ^2/NDF: 65.2/64

In: -0.522+/-5.659 χ^2/NDF:48.9/53

Out: -11.402+/-5.630 χ^2/NDF:61.6/58

All: -5.989+/-3.991 χ^2/NDF: 112.4/112

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.295+/-0.006 χ^2/NDF: 3257082.2/30

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.350+/-0.006 χ^2/NDF: 3550001.9/33

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

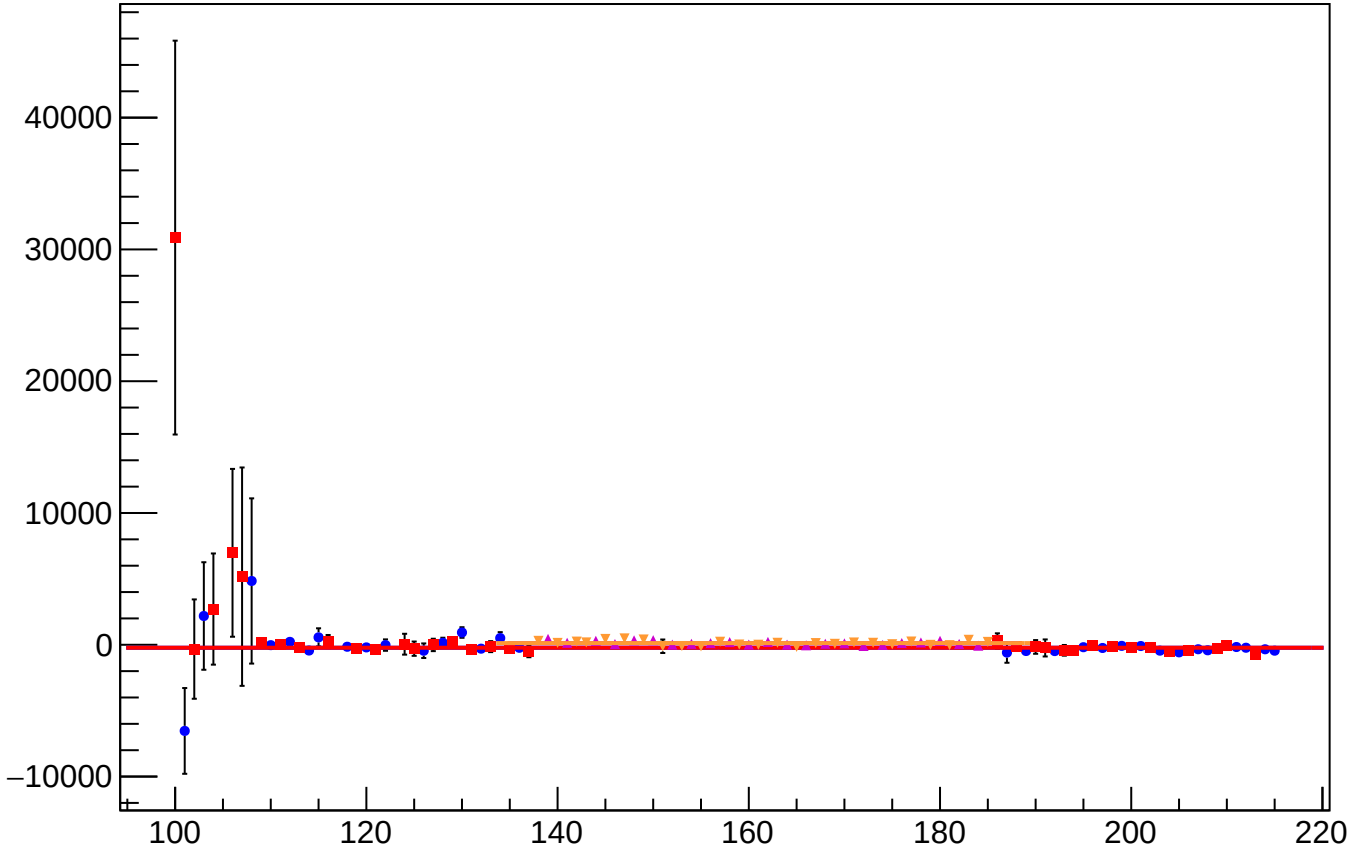
Right: 33.322+/-0.004 χ^2/NDF: 6807131.0/64

In: 33.911+/-0.004 χ^2/NDF:3341019.4/53

Out: 33.912+/-0.004 χ^2/NDF:3613360.3/58

All: 33.912+/-0.003 χ^2/NDF: 6954379.8/112

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -227.370+/-42.641 χ^2/NDF: 35.7/30

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -224.648+/-43.682 χ^2/NDF: 30.4/33

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

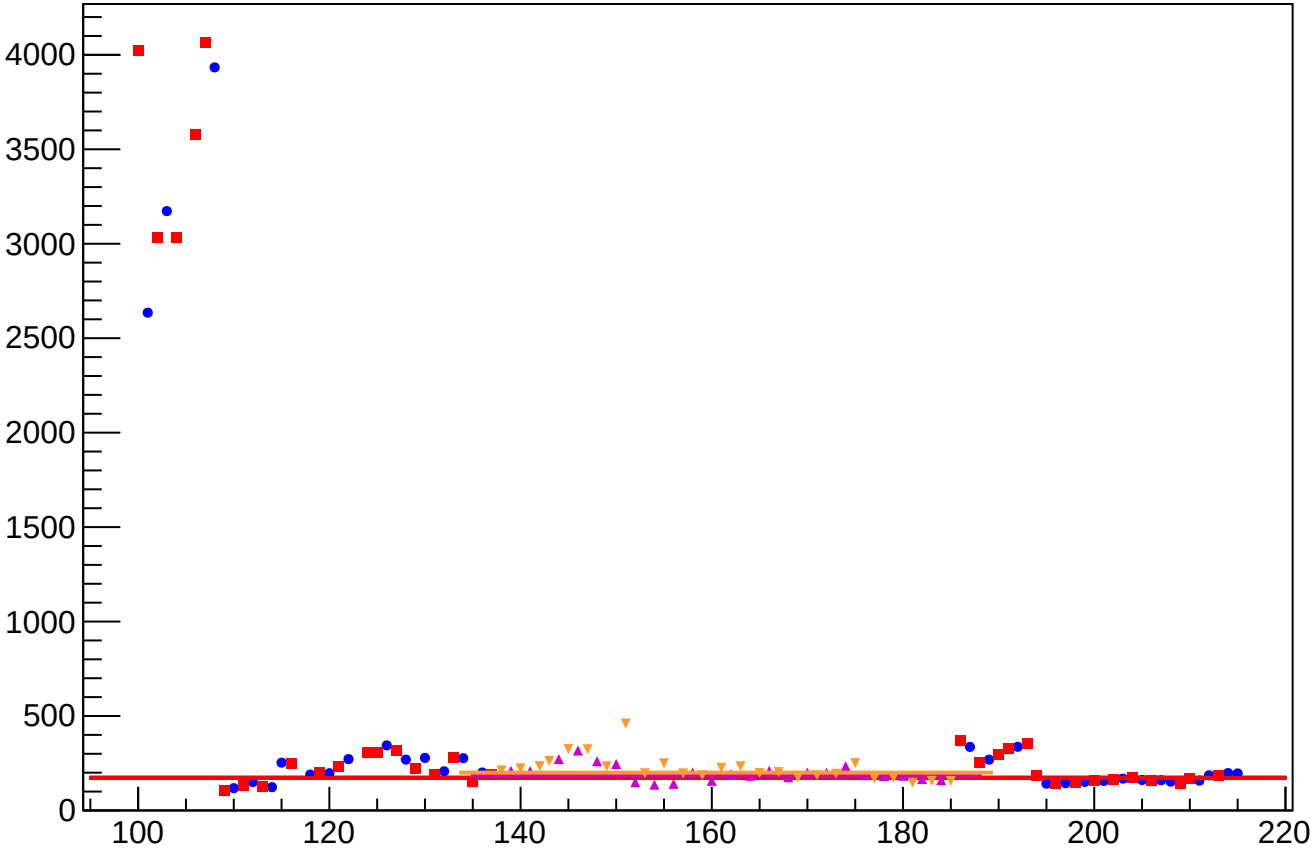
Right: -226.042+/-30.513 χ^2/NDF: 66.1/64

In: -62.469+/-31.016 χ^2/NDF:75.5/53

Out: -62.201+/-32.068 χ^2/NDF:72.1/58

All: -62.339+/-22.295 χ^2/NDF: 147.5/112

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.713+/-0.030 χ^2/NDF: 4944571.3/30

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 172.313+/-0.031 χ^2/NDF: 5593336.3/33

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

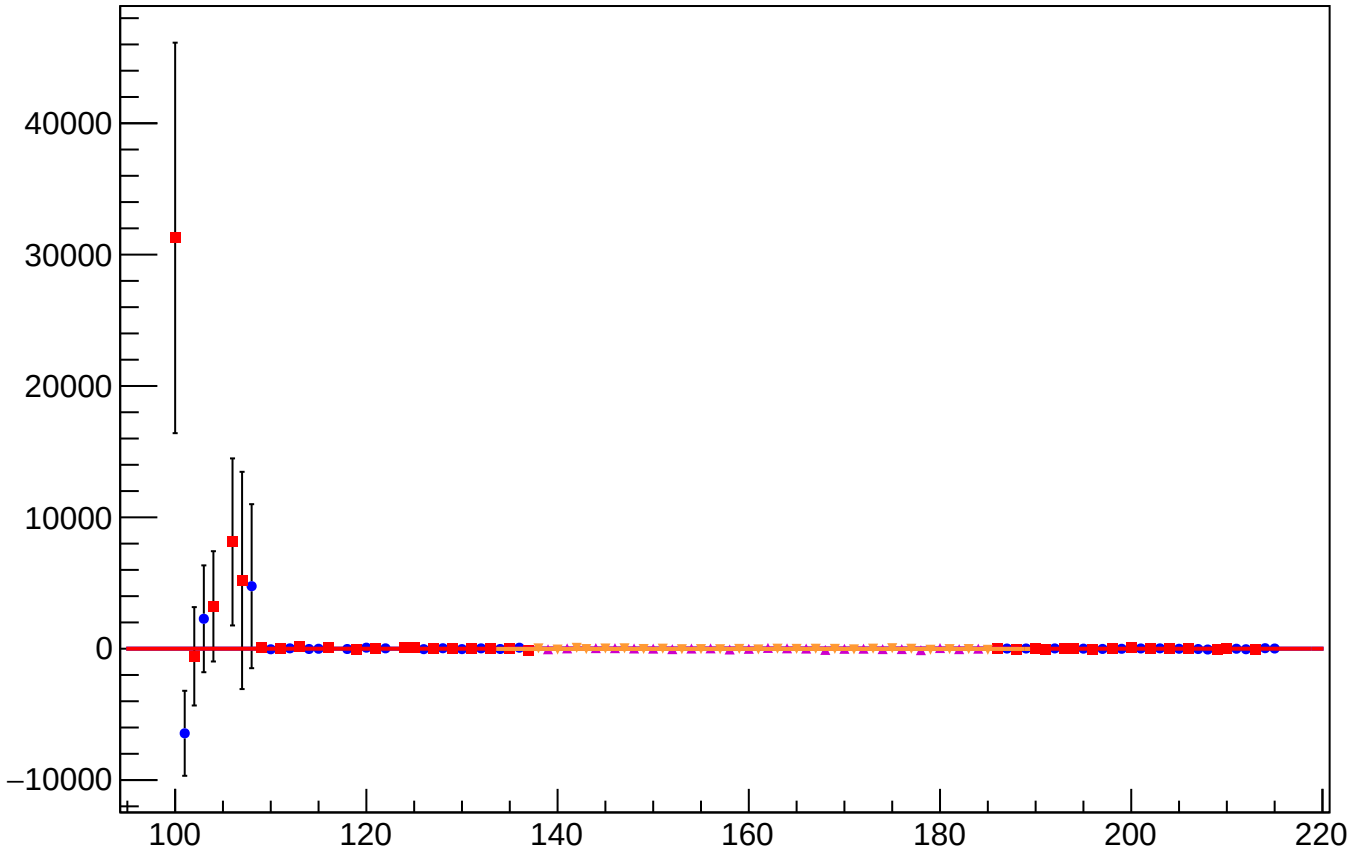
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 173.030+/-0.022 χ^2/NDF: 10538958.7/64

In: 179.438+/-0.022 χ^2/NDF:6426669.2/53

Out: 185.250+/-0.023 χ^2/NDF:7850328.0/58

All: 182.247+/-0.016 χ^2/NDF: 14310935.0/11



Right In: 3.439+/-7.170 χ^2/NDF: 25.8/30

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 0.403+/-7.326 χ^2/NDF: 44.4/33

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

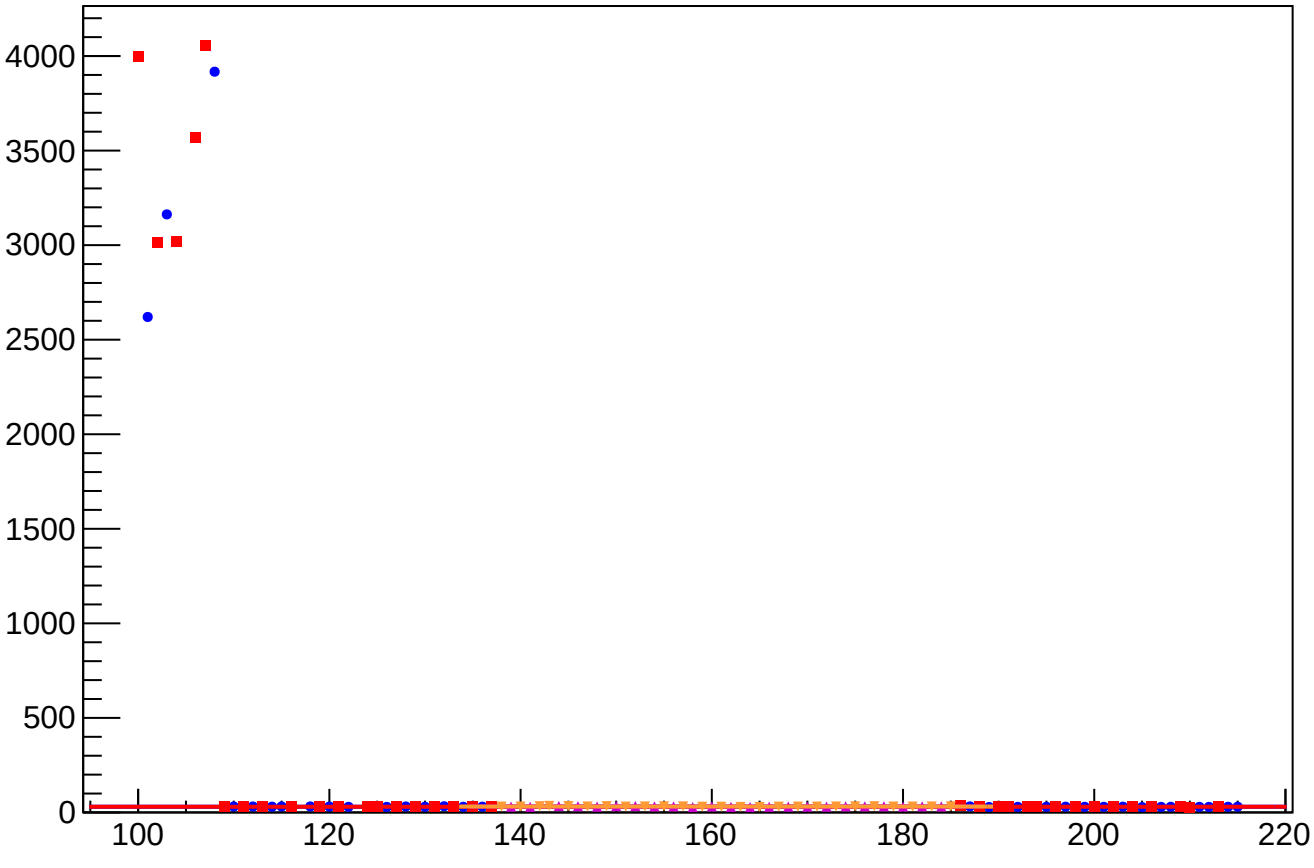
Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

Right: 1.953+/-5.124 χ^2/NDF: 70.3/64

In: 0.440+/-5.132 χ^2/NDF:61.7/53

Out: -9.340+/-5.111 χ^2/NDF:68.2/58

All: -4.469+/-3.621 χ^2/NDF: 131.8/112



Right In: 30.109+/-0.005 χ^2/NDF: 3275530.5/30

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.155+/-0.005 χ^2/NDF: 3570416.2/33

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

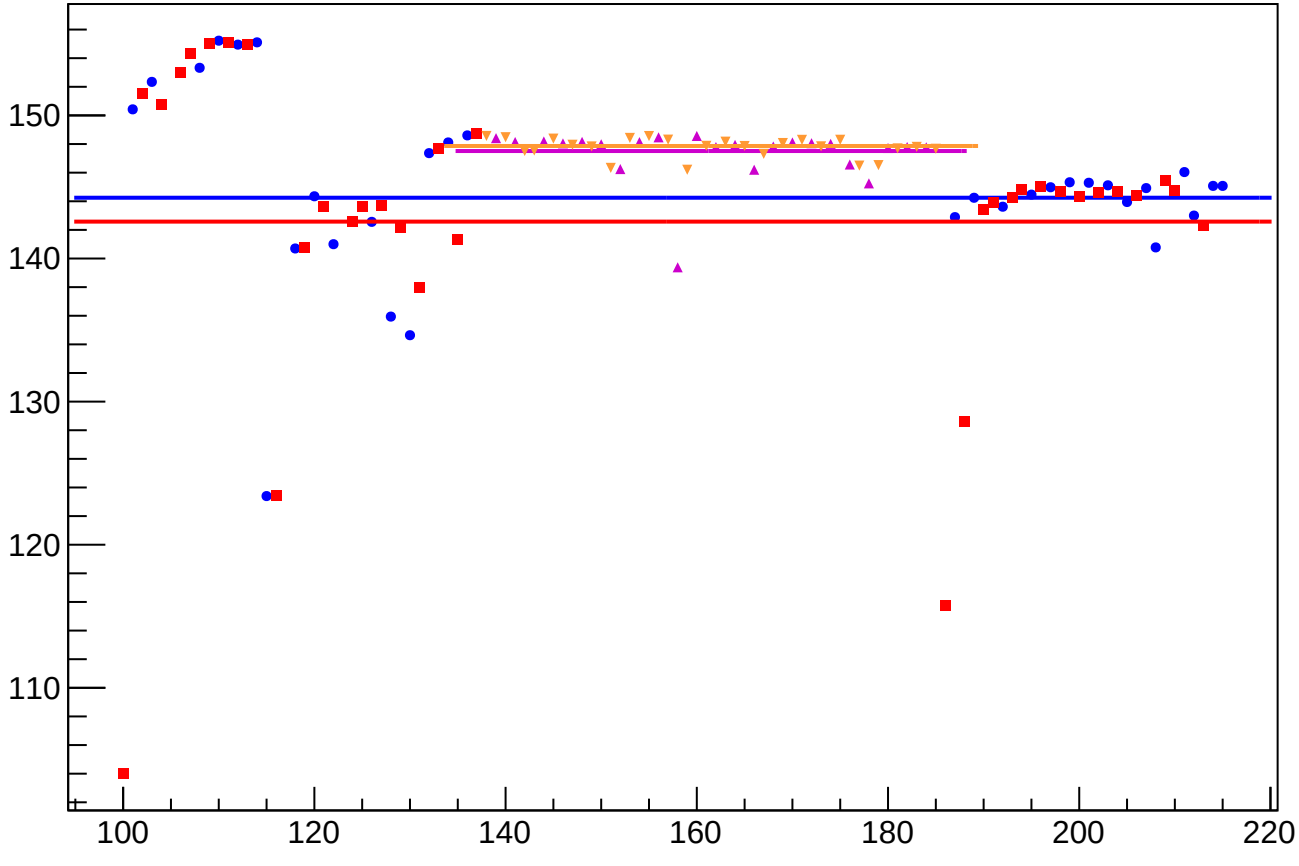
Right: 30.132+/-0.004 χ^2/NDF: 6845987.9/64

In: 30.729+/-0.004 χ^2/NDF:3391387.8/53

Out: 30.763+/-0.004 χ^2/NDF:3660263.4/58

All: 30.746+/-0.003 χ^2/NDF: 7051697.0/112

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.248+/-0.000 χ^2/NDF: 3781244949.5/30

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.579+/-0.000 χ^2/NDF: 7580499441.5/33

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

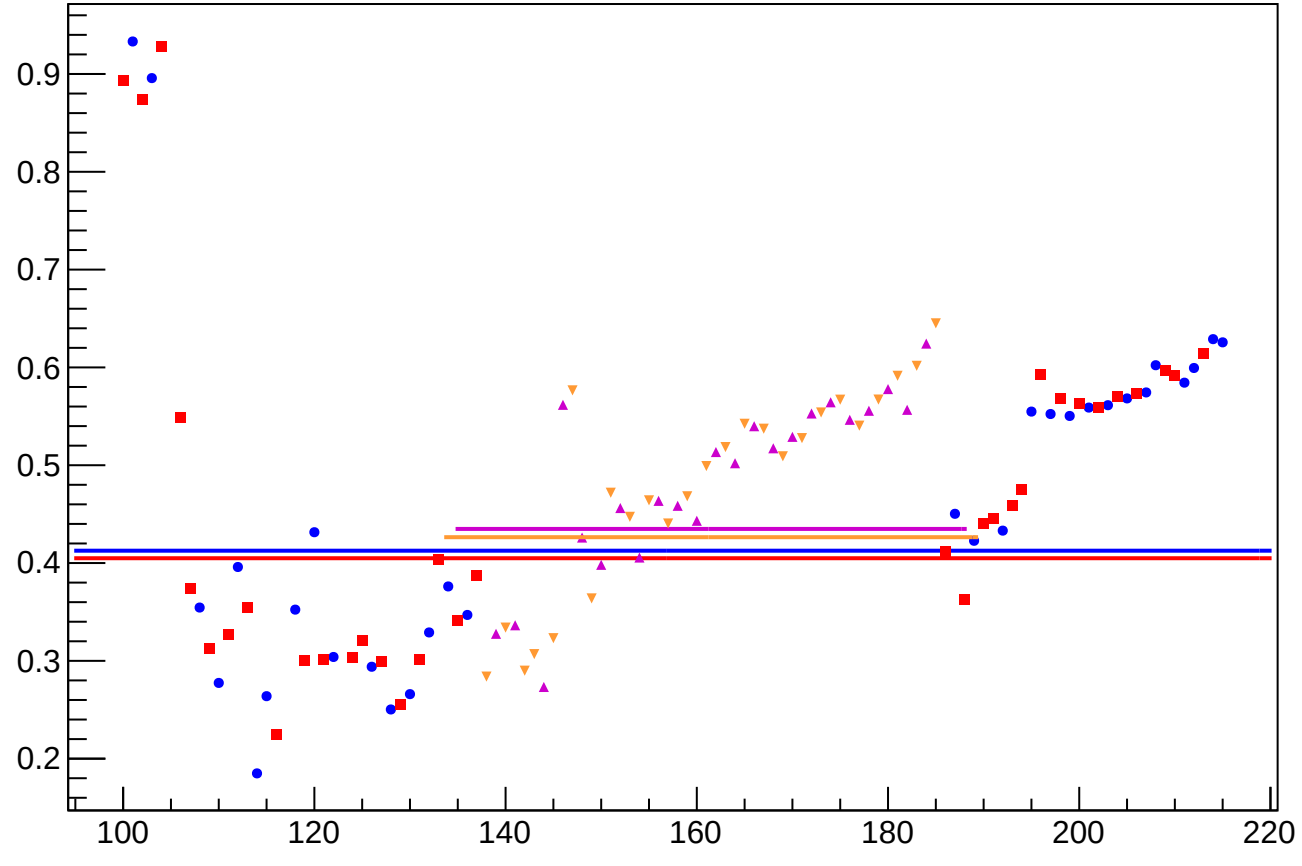
Right: 143.398+/-0.000 χ^2/NDF: 11497235684.6/64

In: 145.824+/-0.000 χ^2/NDF:4578501555.6/53

Out: 145.194+/-0.000 χ^2/NDF:8994518605.4/58

All: 145.500+/-0.000 χ^2/NDF: 13610784606.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.413+/-0.000 χ^2/NDF: 4008522.6/30

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.405+/-0.000 χ^2/NDF: 3469446.3/33

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

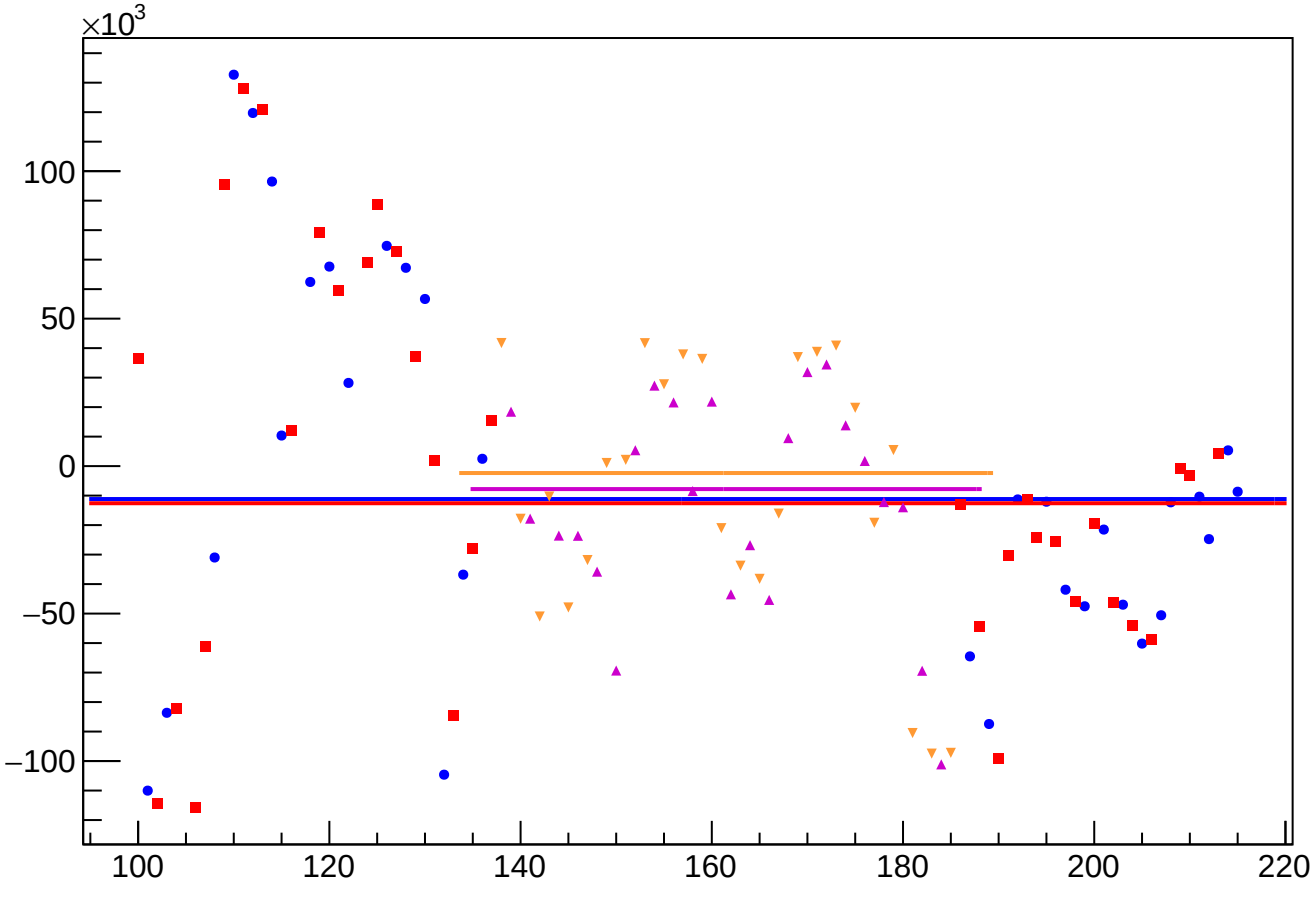
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.409+/-0.000 χ^2/NDF: 7483743.7/64

In: 0.423+/-0.000 χ^2/NDF:5829108.6/53

Out: 0.416+/-0.000 χ^2/NDF:5773993.8/58

All: 0.419+/-0.000 χ^2/NDF: 11614714.5/112



Right In: -11164.646+/-1.258 χ^2/NDF: 1947958275.7/30

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -12587.511+/-1.232 χ^2/NDF: 2404443284.9/33

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

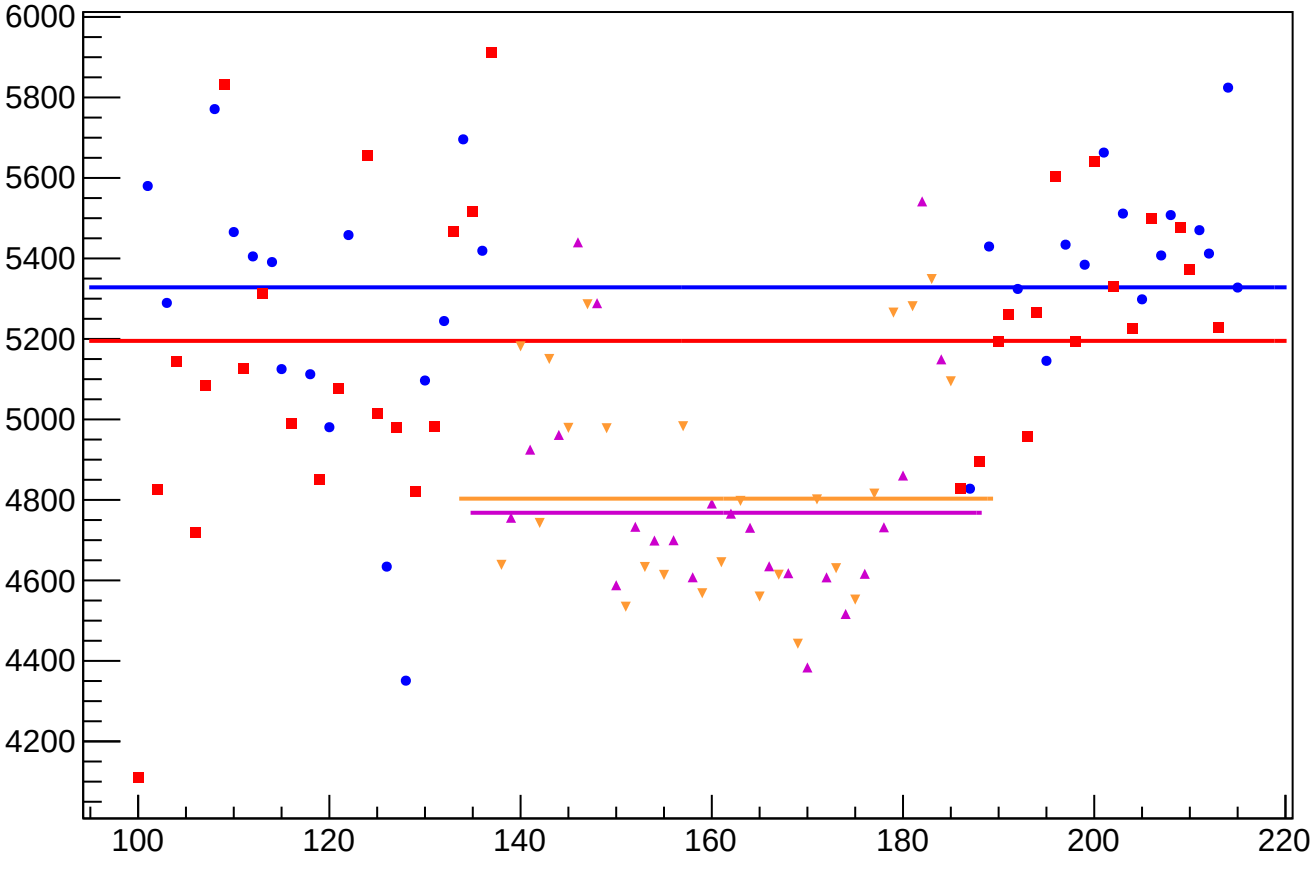
Right: -11890.893+/-0.880 χ^2/NDF: 4353054209.1/

In: -9316.718+/-0.847 χ^2/NDF:2714396082.3/53

Out: -6992.794+/-0.830 χ^2/NDF:3672204812.5/58

All: -8131.865+/-0.593 χ^2/NDF: 6390441912

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5328.228+/-0.890 χ^2/NDF: 115221.3/30

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5195.155+/-0.871 χ^2/NDF: 110796.2/33

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

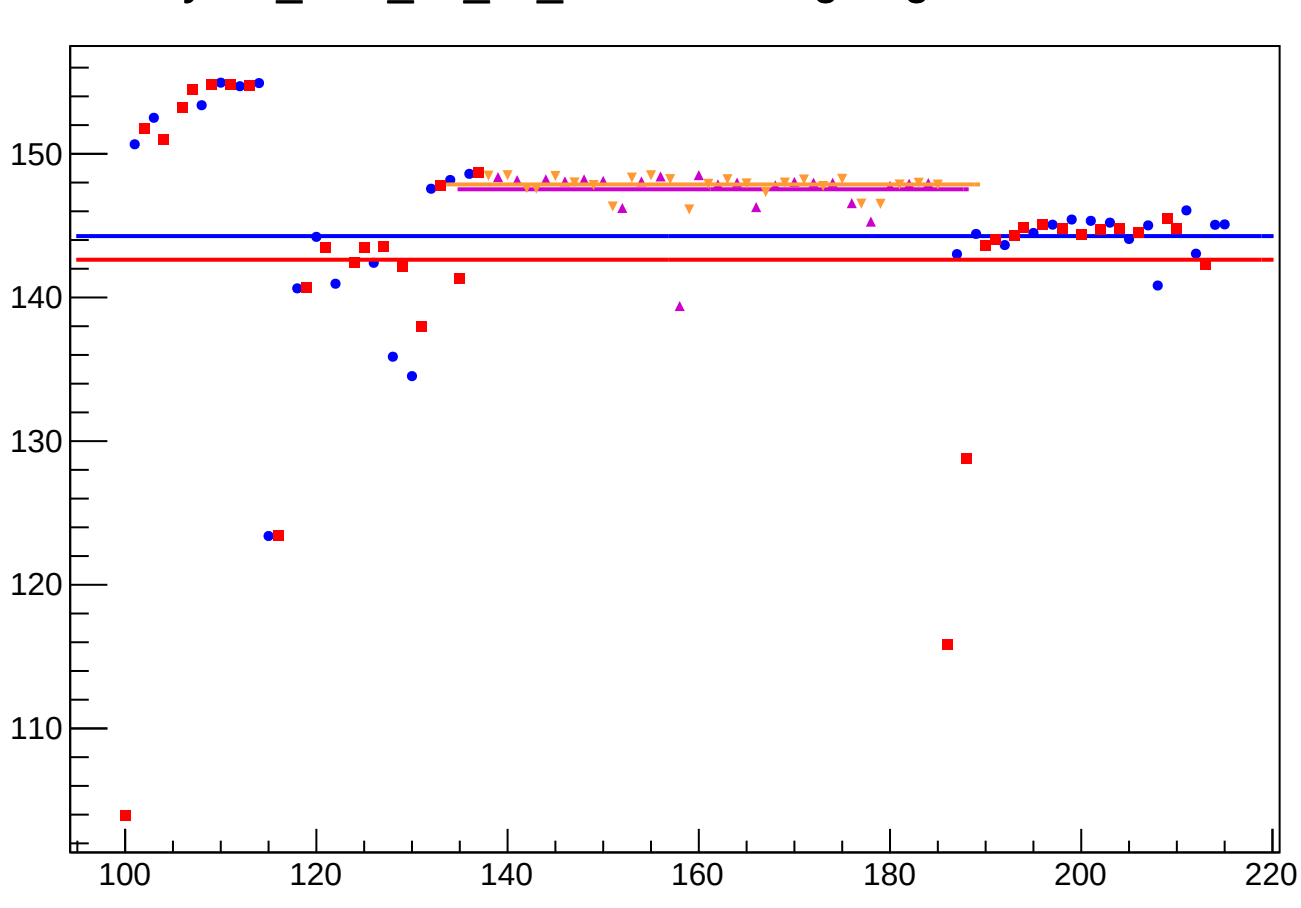
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5260.306+/-0.623 χ^2/NDF: 237434.8/64

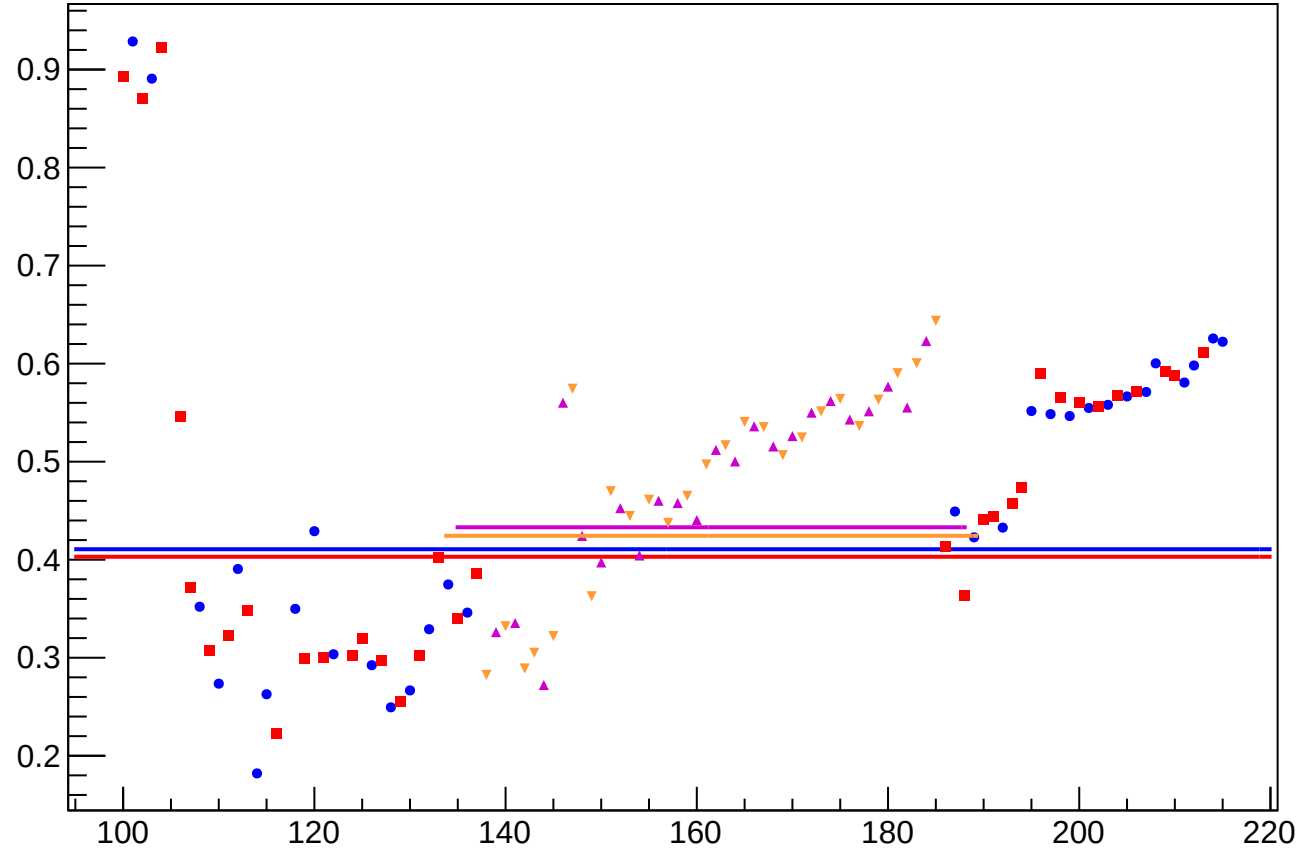
In: 5021.681+/-0.599 χ^2/NDF:434487.5/53

Out: 4981.028+/-0.587 χ^2/NDF:336020.6/58

All: 5000.954+/-0.419 χ^2/NDF: 772858.9/112


yield_bcm_an_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
120
140
160
180
200
220
Right In: 144.273+/-0.000 χ²/NDF: 3822337653.2/30
Left Out: 147.870+/-0.000 χ²/NDF:44483332.4/24
Right Out: 142.629+/-0.000 χ²/NDF: 7555855292.0/33
Left In: 147.532+/-0.000 χ²/NDF:307143604.6/22
Left: 147.708+/-0.000 χ²/NDF: 356985822.2/47
Right: 143.436+/-0.000 χ²/NDF: 11510966236.5/64
In: 145.846+/-0.000 χ²/NDF:4623402113.6/53
Out: 145.223+/-0.000 χ²/NDF:8959593141.3/58
All: 145.525+/-0.000 χ²/NDF: 13620345602.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.411+/-0.000 χ^2/NDF: 4007016.2/30

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.403+/-0.000 χ^2/NDF: 3475051.1/33

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

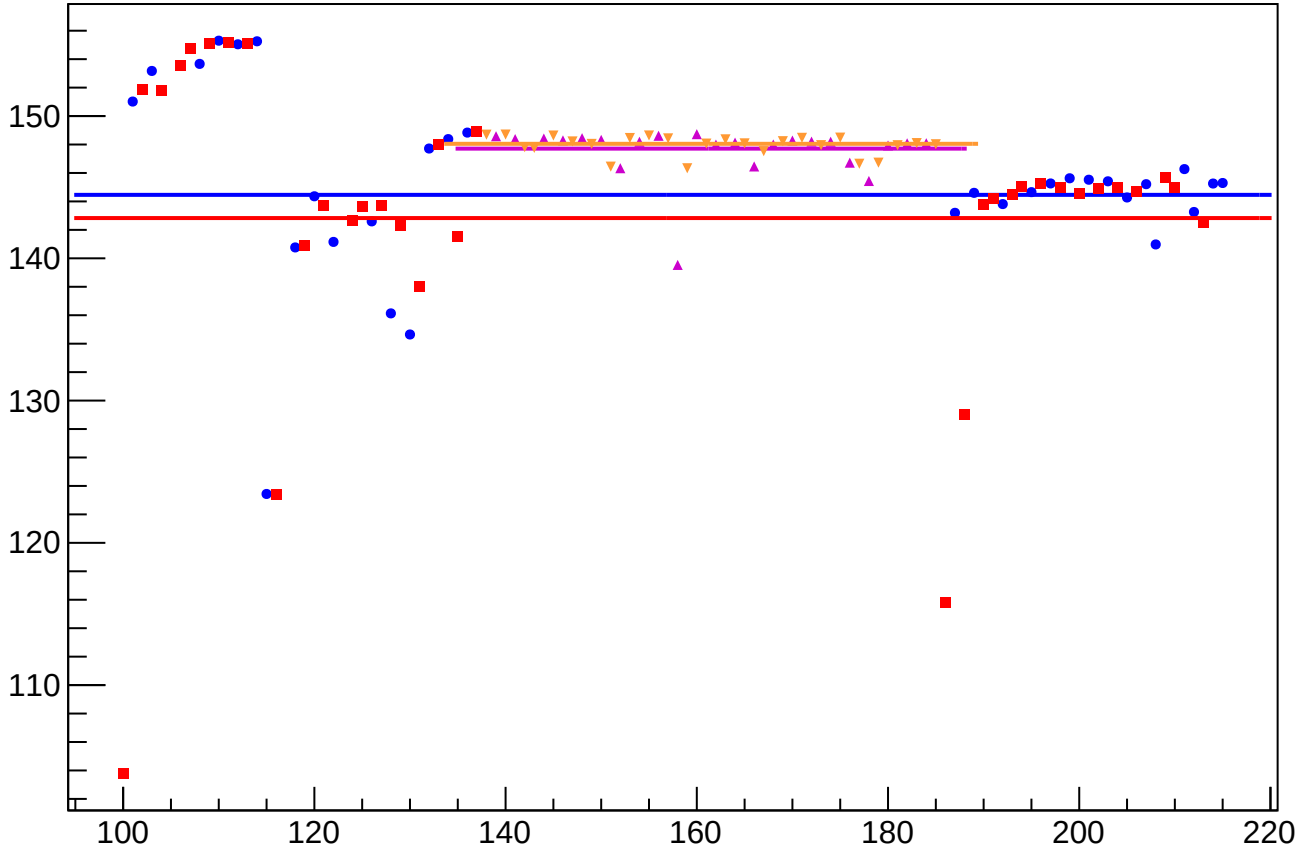
Right: 0.407+/-0.000 χ^2/NDF: 7487877.0/64

In: 0.421+/-0.000 χ^2/NDF:5824735.0/53

Out: 0.414+/-0.000 χ^2/NDF:5780998.4/58

All: 0.417+/-0.000 χ^2/NDF: 11617757.6/112

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.461+/-0.000 χ^2/NDF: 3816773607.0/30

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.830+/-0.000 χ^2/NDF: 7490122513.5/33

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

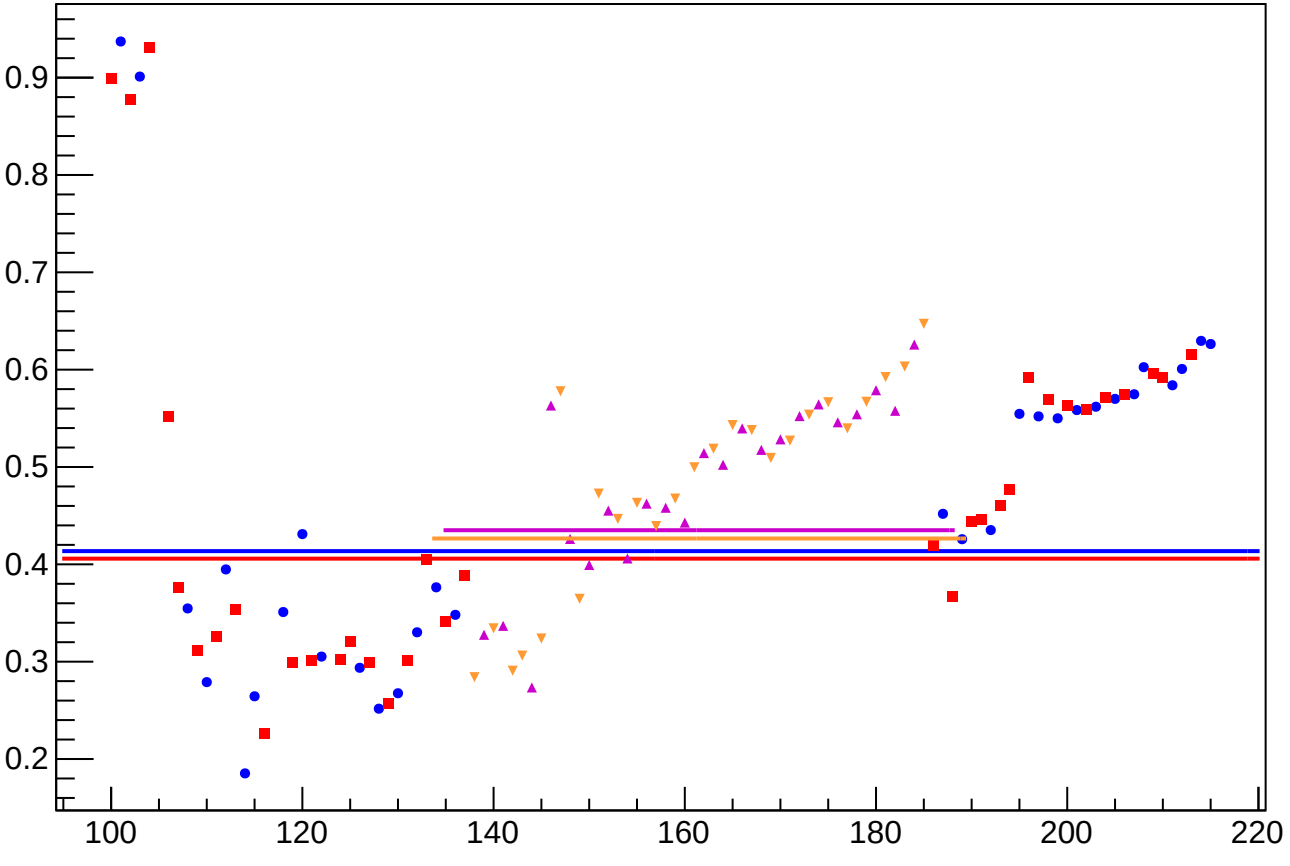
Right: 143.631+/-0.000 χ^2/NDF: 11435668571.2/64

In: 146.033+/-0.000 χ^2/NDF:4614220642.0/53

Out: 145.418+/-0.000 χ^2/NDF:8866670875.3/58

All: 145.717+/-0.000 χ^2/NDF: 13516785698.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.414+/-0.000 χ^2/NDF: 3989666.5/30

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.406+/-0.000 χ^2/NDF: 3467571.7/33

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

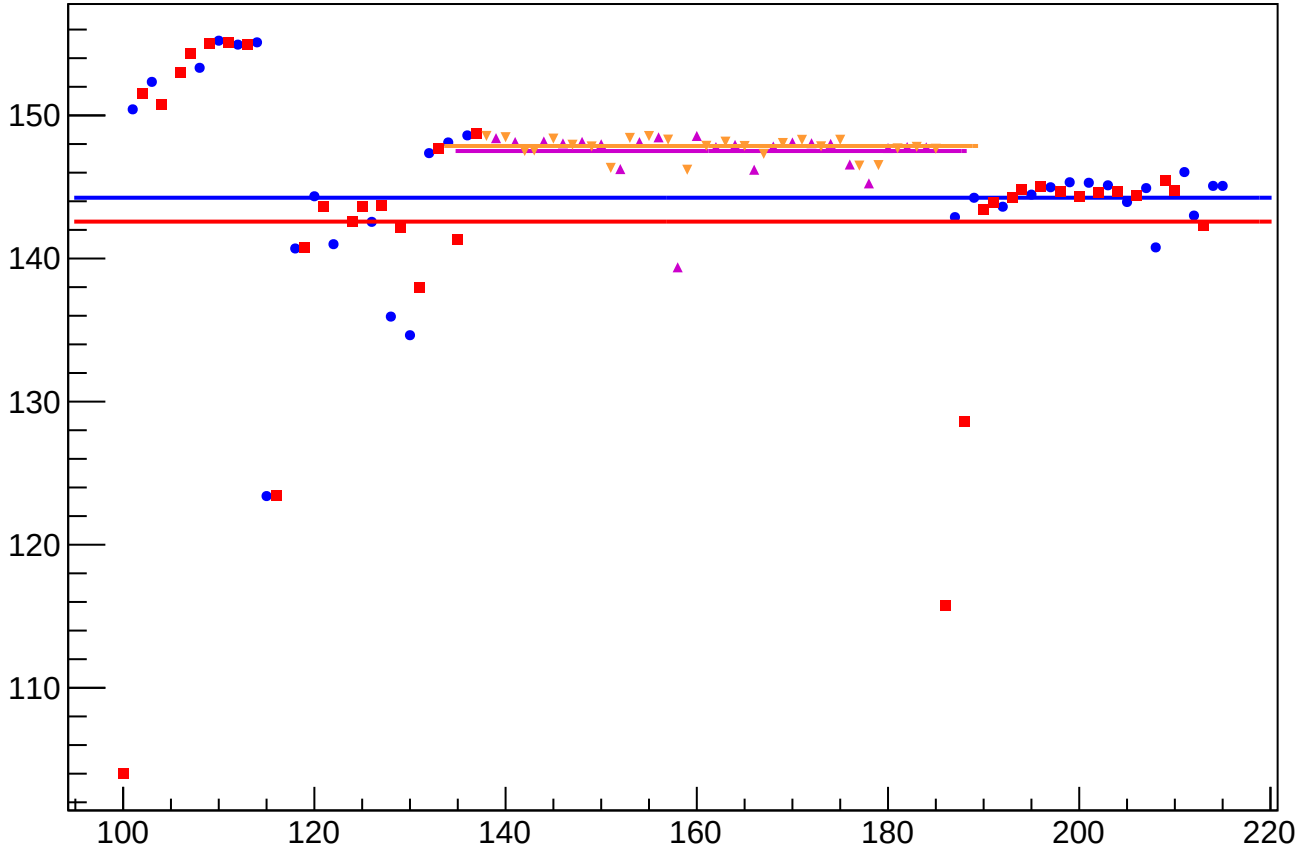
Right: 0.410+/-0.000 χ^2/NDF: 7463016.1/64

In: 0.424+/-0.000 χ^2/NDF:5801806.7/53

Out: 0.416+/-0.000 χ^2/NDF:5766954.5/58

All: 0.420+/-0.000 χ^2/NDF: 11580456.7/112

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.248+/-0.000 χ^2/NDF: 3781244949.5/30

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.579+/-0.000 χ^2/NDF: 7580499441.5/33

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

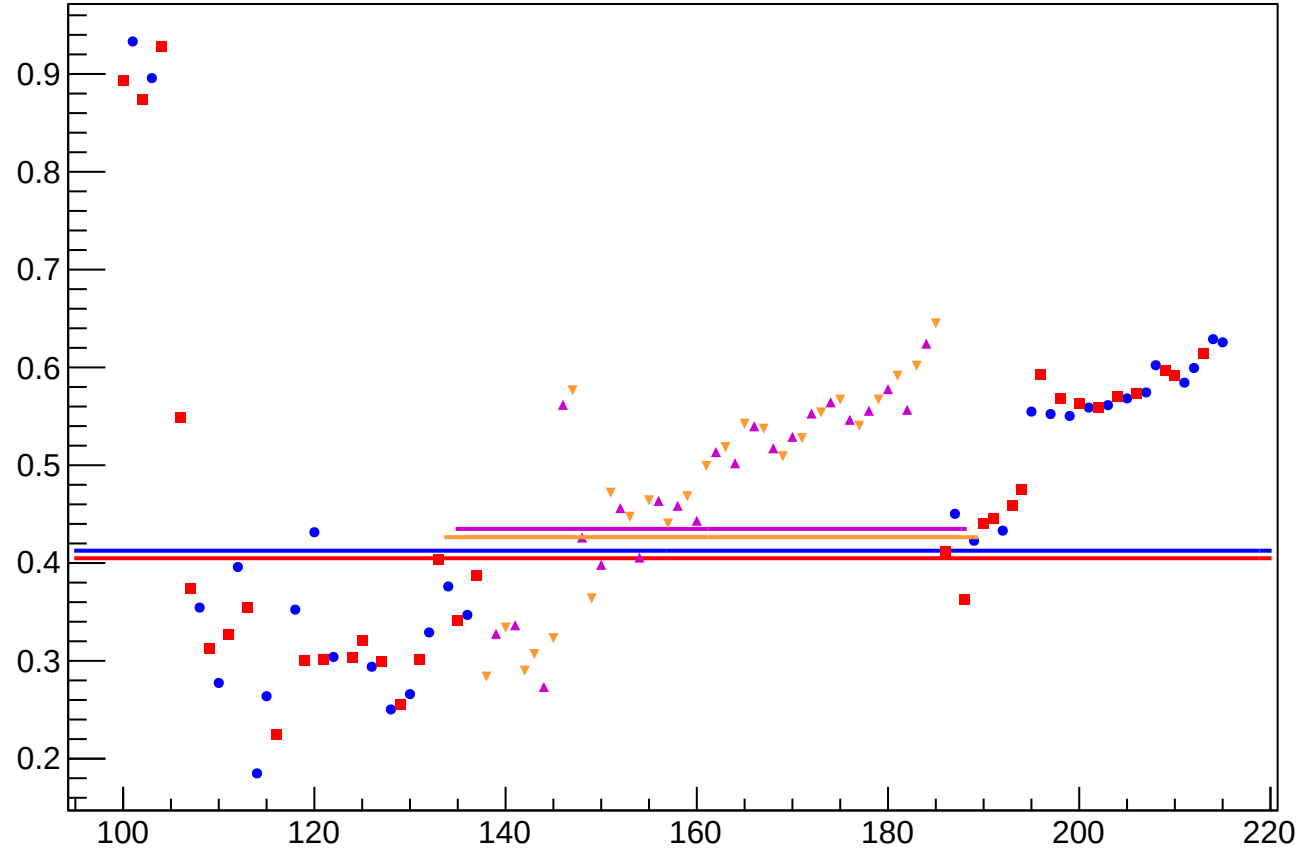
Right: 143.398+/-0.000 χ^2/NDF: 11497235684.6/64

In: 145.824+/-0.000 χ^2/NDF:4578501555.6/53

Out: 145.194+/-0.000 χ^2/NDF:8994518605.4/58

All: 145.500+/-0.000 χ^2/NDF: 13610784606.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.413+/-0.000 χ^2/NDF: 4008522.6/30

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.405+/-0.000 χ^2/NDF: 3469446.3/33

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

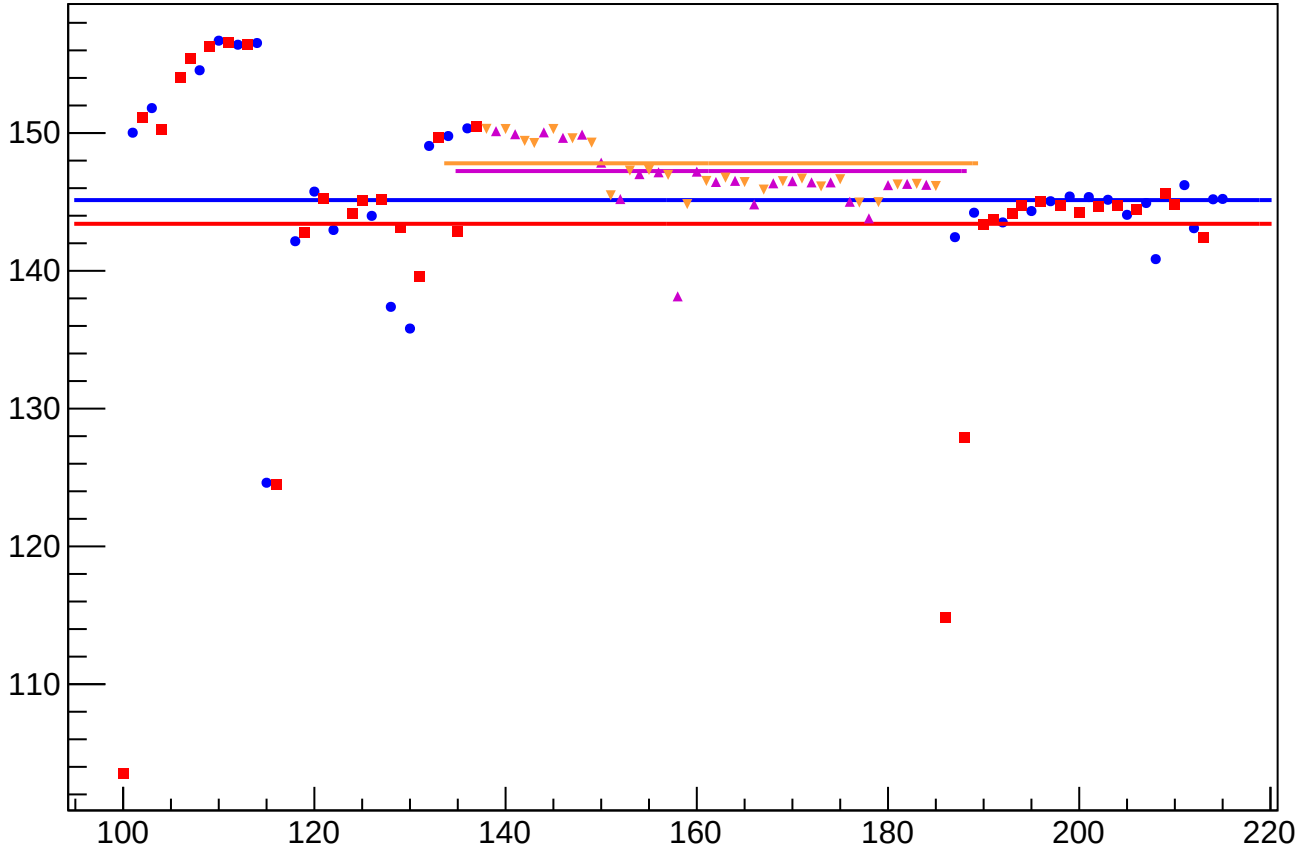
Right: 0.409+/-0.000 χ^2/NDF: 7483743.7/64

In: 0.423+/-0.000 χ^2/NDF:5829108.6/53

Out: 0.416+/-0.000 χ^2/NDF:5773993.8/58

All: 0.419+/-0.000 χ^2/NDF: 11614714.5/112

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.134+/-0.000 χ^2/NDF: 3572938636.3/30

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.413+/-0.000 χ^2/NDF: 7633173352.6/33

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

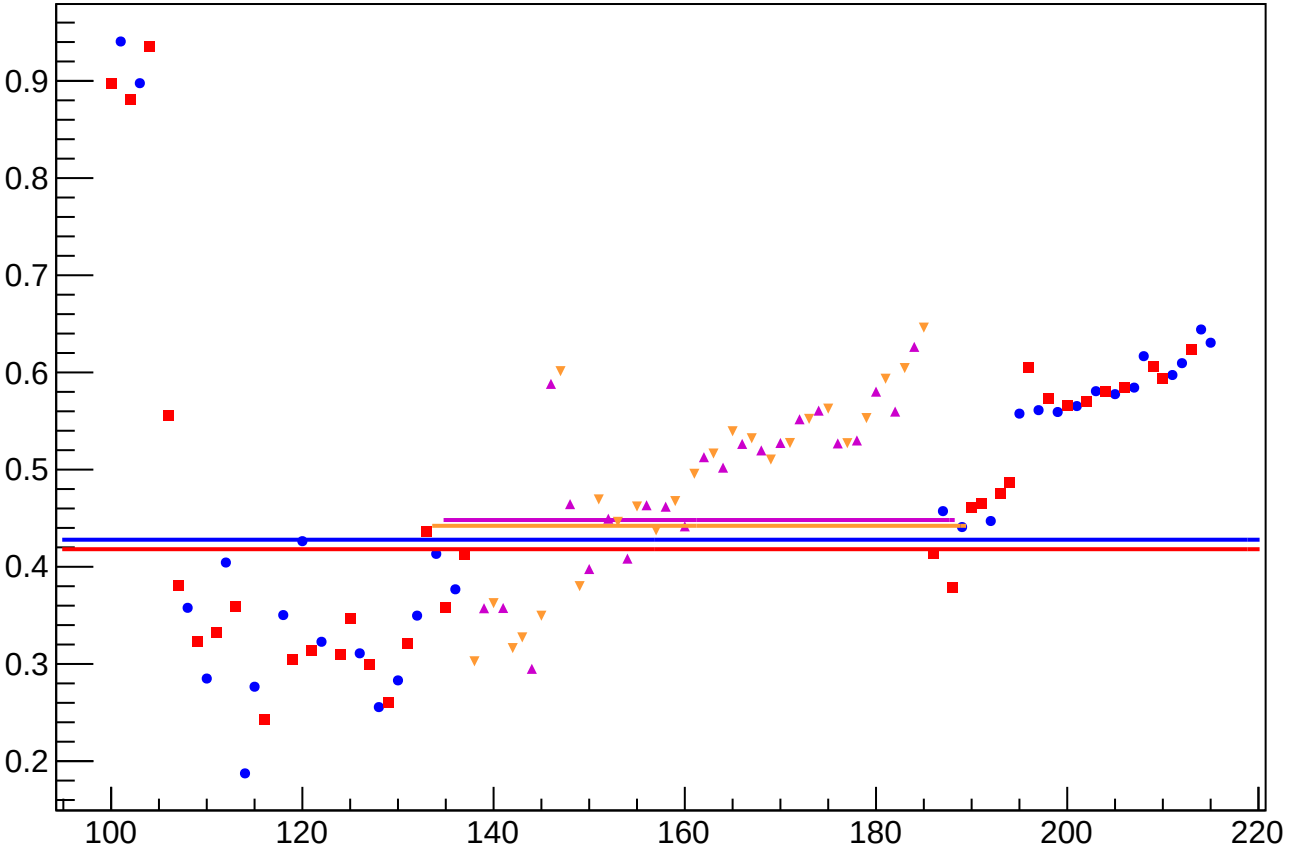
Right: 144.254+/-0.000 χ^2/NDF: 11341094838.7/64

In: 146.162+/-0.000 χ^2/NDF:4384824343.3/53

Out: 145.588+/-0.000 χ^2/NDF:8850266148.0/58

All: 145.867+/-0.000 χ^2/NDF: 13264666564.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.428+/-0.000 χ^2/NDF: 3779246.1/30

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.418+/-0.000 χ^2/NDF: 3292339.2/33

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

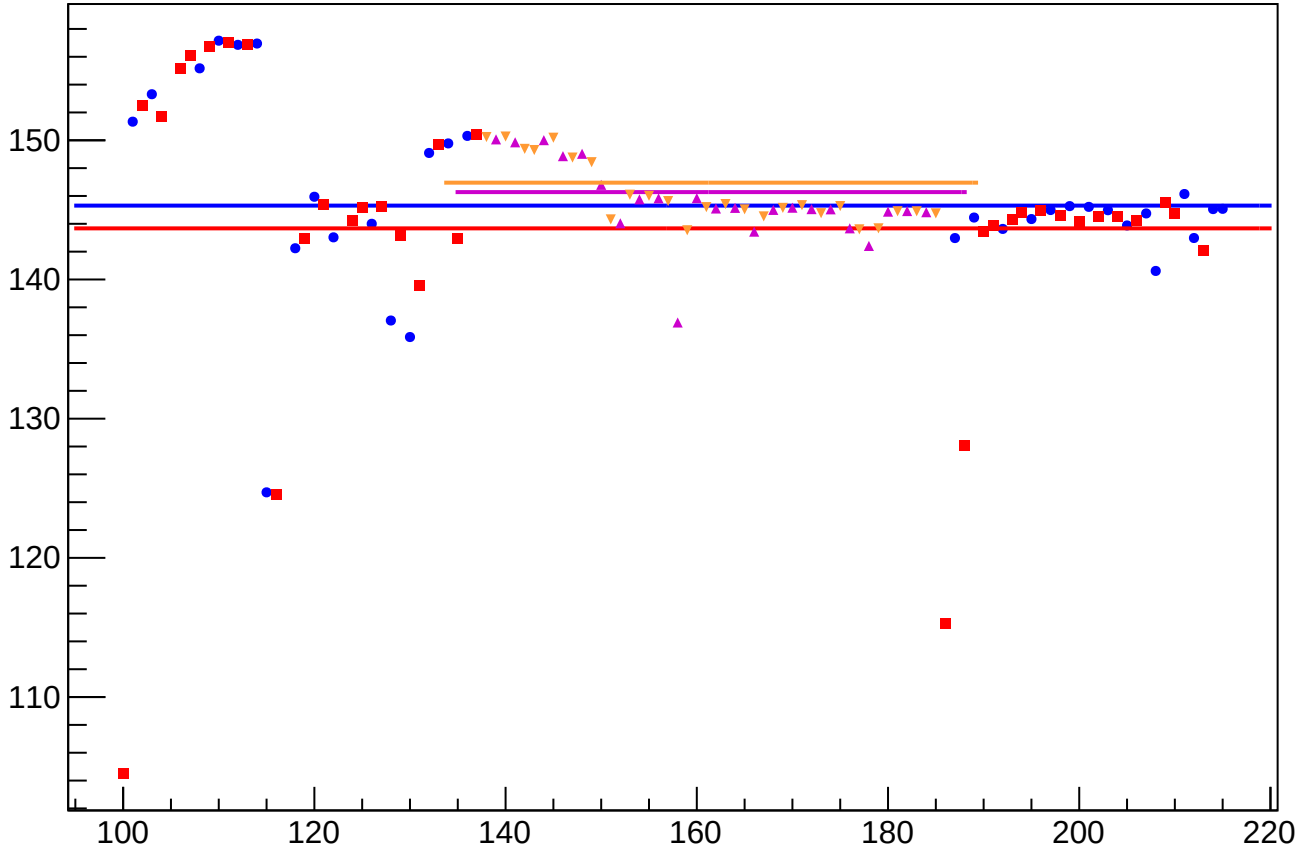
Right: 0.423+/-0.000 χ^2/NDF: 7080285.4/64

In: 0.438+/-0.000 χ^2/NDF:5162844.1/53

Out: 0.430+/-0.000 χ^2/NDF:5050075.3/58

All: 0.434+/-0.000 χ^2/NDF: 10223658.7/112

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.307+/-0.000 χ^2/NDF: 3734241762.9/30

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.672+/-0.000 χ^2/NDF: 7689924345.9/33

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

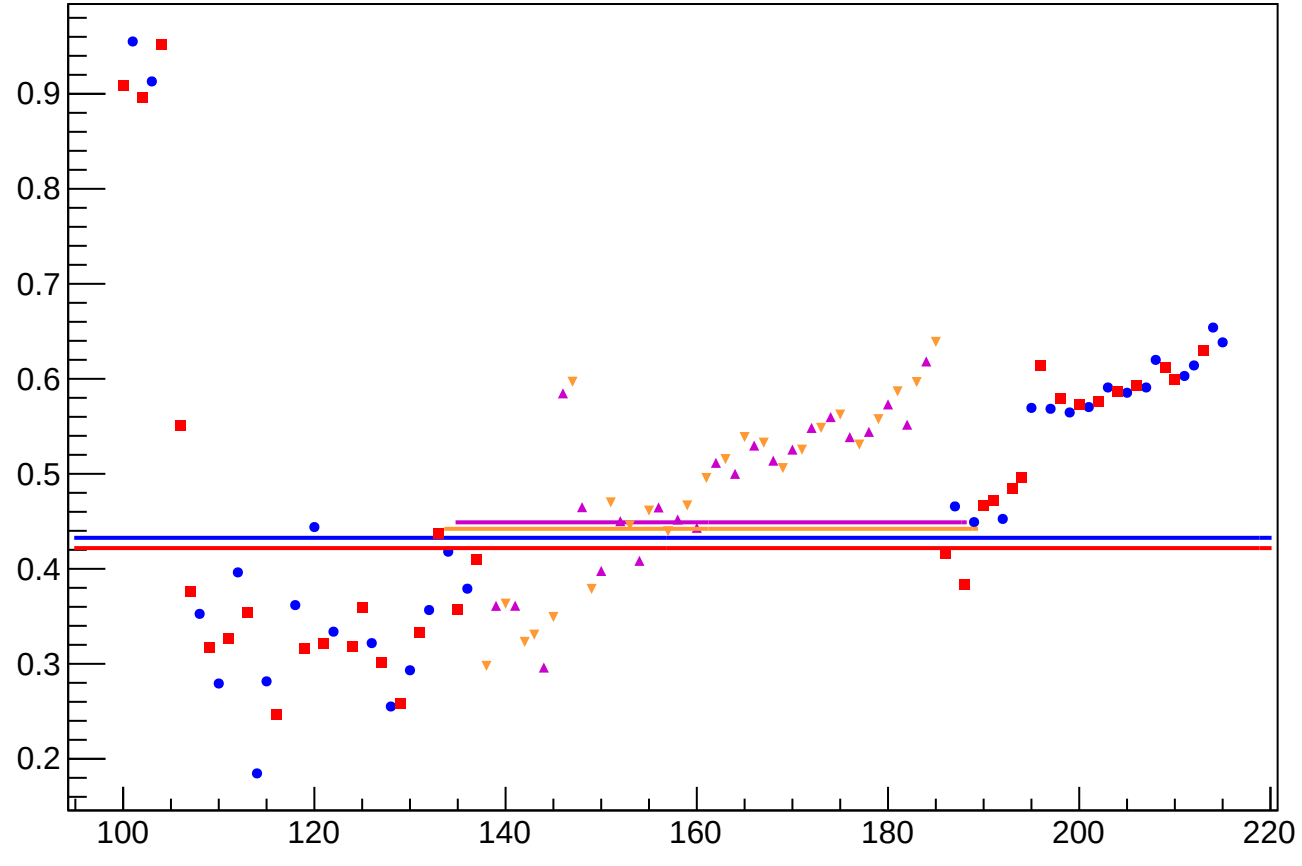
Right: 144.470+/-0.000 χ^2/NDF: 11543274175.1/64

In: 145.786+/-0.000 χ^2/NDF:4599837159.1/53

Out: 145.315+/-0.000 χ^2/NDF:8725317583.5/58

All: 145.544+/-0.000 χ^2/NDF: 13344789416.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.433+/-0.000 χ^2/NDF: 3813136.5/30

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.422+/-0.000 χ^2/NDF: 3320825.5/33

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

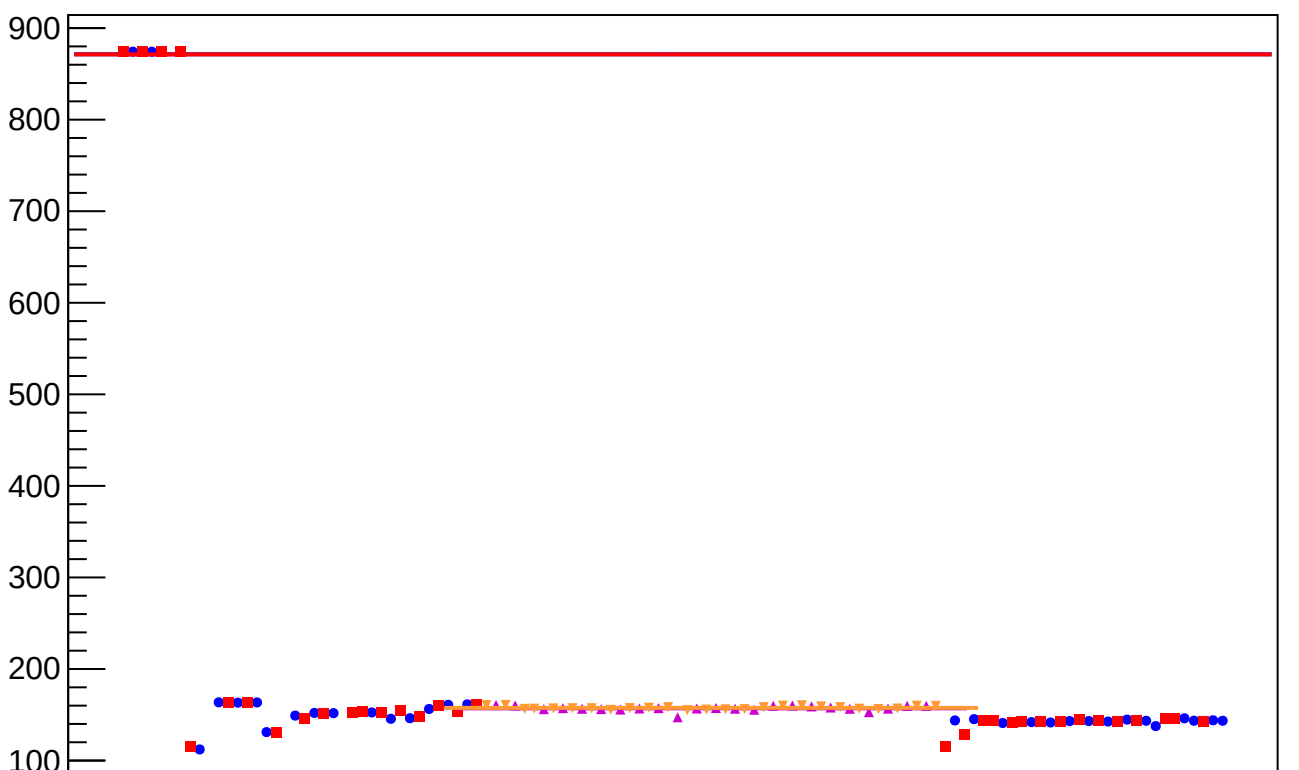
Right: 0.427+/-0.000 χ^2/NDF: 7144403.2/64

In: 0.441+/-0.000 χ^2/NDF:5136634.3/53

Out: 0.432+/-0.000 χ^2/NDF:5035158.2/58

All: 0.436+/-0.000 χ^2/NDF: 10185248.2/112

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 871.426+/-0.000 χ^2/NDF: 14453199562927.7/30

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.278+/-0.000 χ^2/NDF: 17571780265154.3/33

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

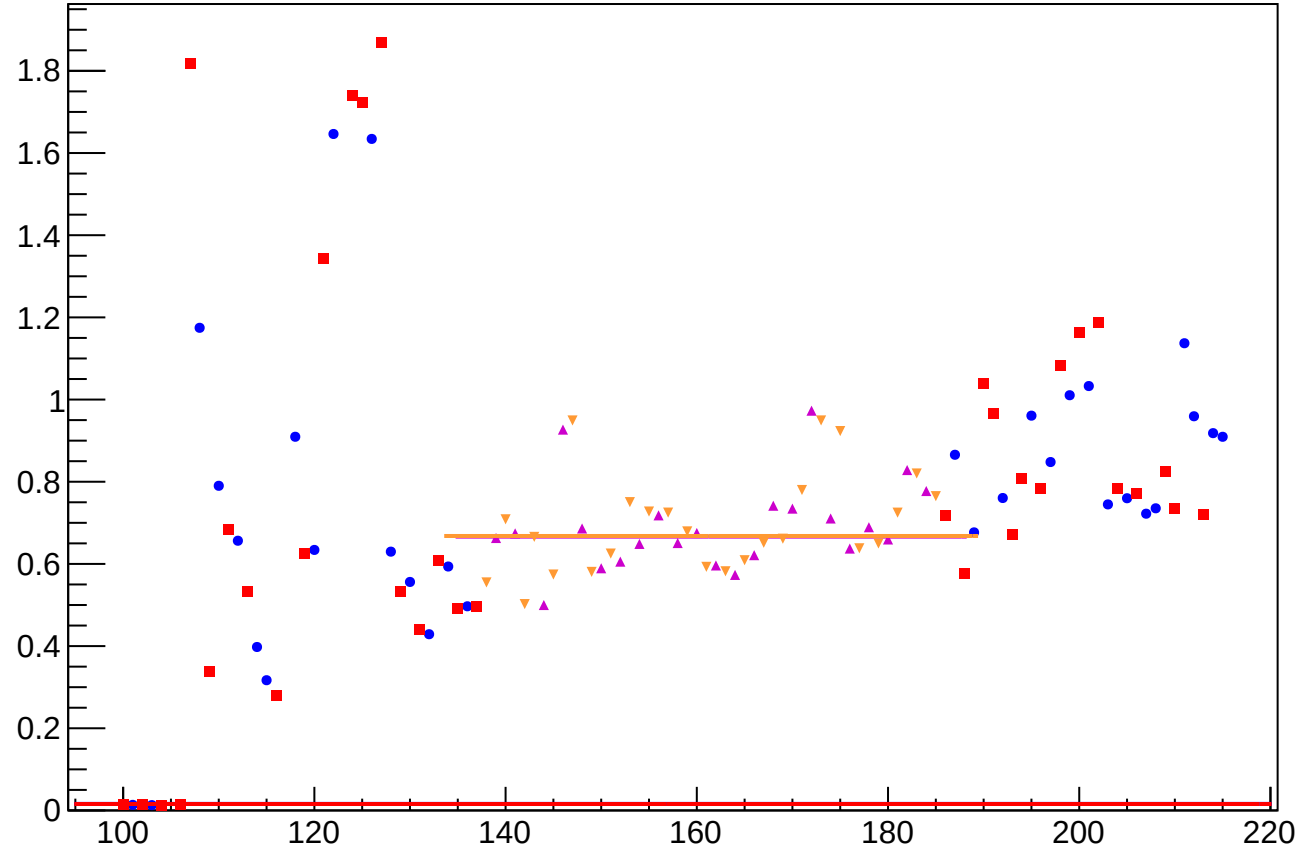
Right: 871.347+/-0.000 χ^2/NDF: 32025062887309.

In: 868.197+/-0.000 χ^2/NDF:30919644086090.8/

Out: 868.350+/-0.000 χ^2/NDF:34759408273315.

All: 868.279+/-0.000 χ^2/NDF: 6567914266

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 28305941.0/30

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 28270043.5/33

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

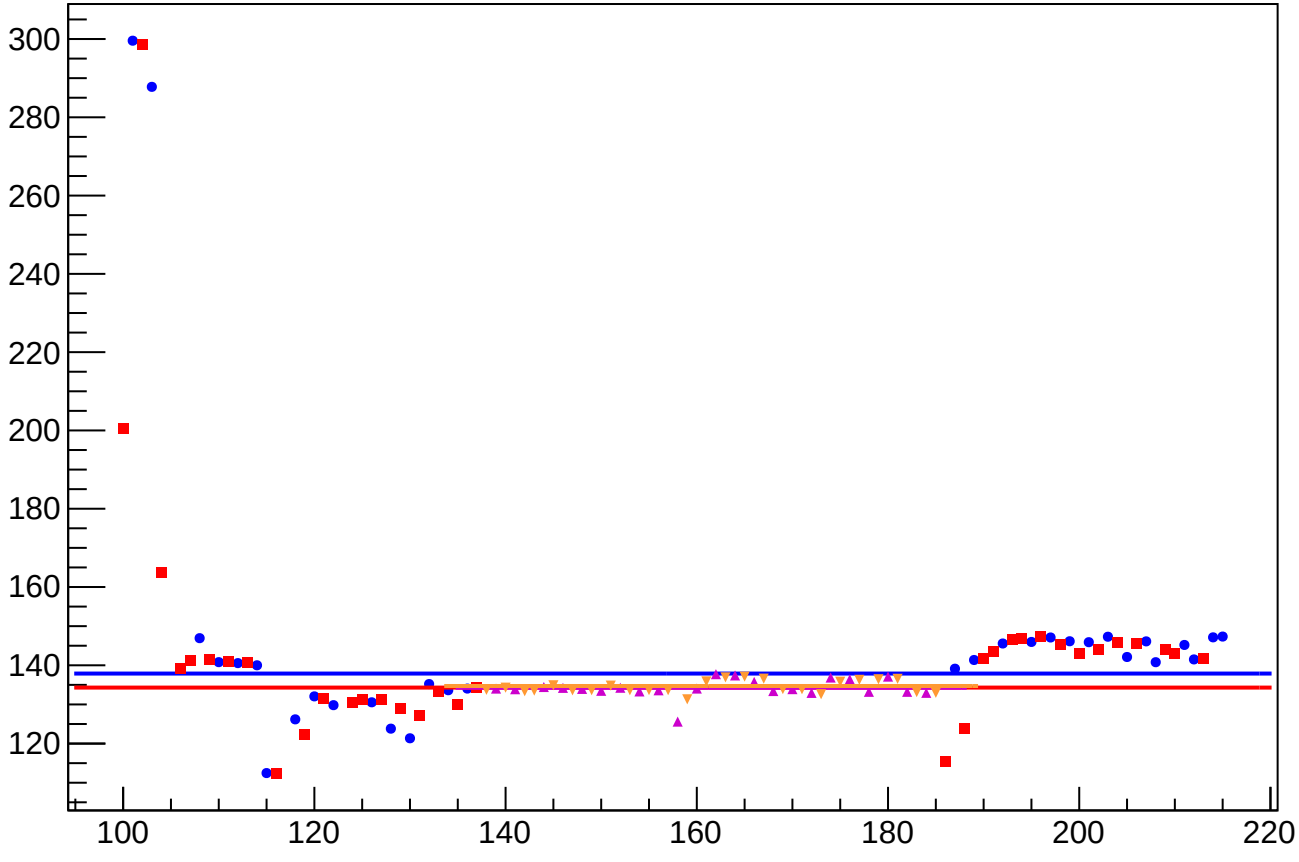
Right: 0.016+/-0.000 χ^2/NDF: 56576489.0/64

In: 0.019+/-0.000 χ^2/NDF:56146895.1/53

Out: 0.018+/-0.000 χ^2/NDF:57664205.0/58

All: 0.019+/-0.000 χ^2/NDF: 113813183.4/112

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 137.889+/-0.000 χ^2/NDF: 3730607694.2/30

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 134.306+/-0.000 χ^2/NDF: 5431954181.2/33

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

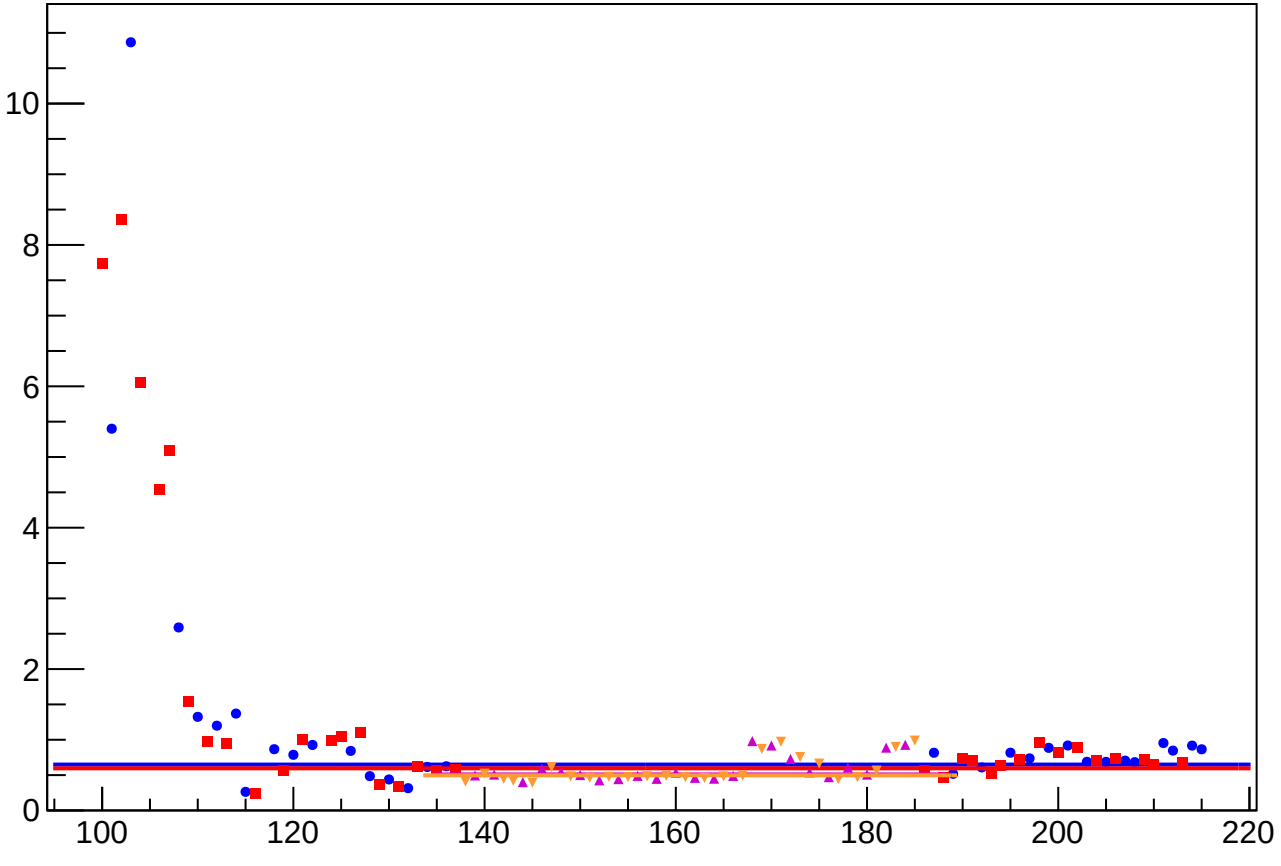
Right: 135.961+/-0.000 χ^2/NDF: 9379790903.0/64

In: 135.495+/-0.000 χ^2/NDF:4446030874.8/53

Out: 134.569+/-0.000 χ^2/NDF:5595778014.8/58

All: 135.005+/-0.000 χ^2/NDF: 10083527912.

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.649+/-0.000 χ^2/NDF: 5403311.1/30

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.596+/-0.000 χ^2/NDF: 6041416.7/33

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.620+/-0.000 χ^2/NDF: 11540742.7/64

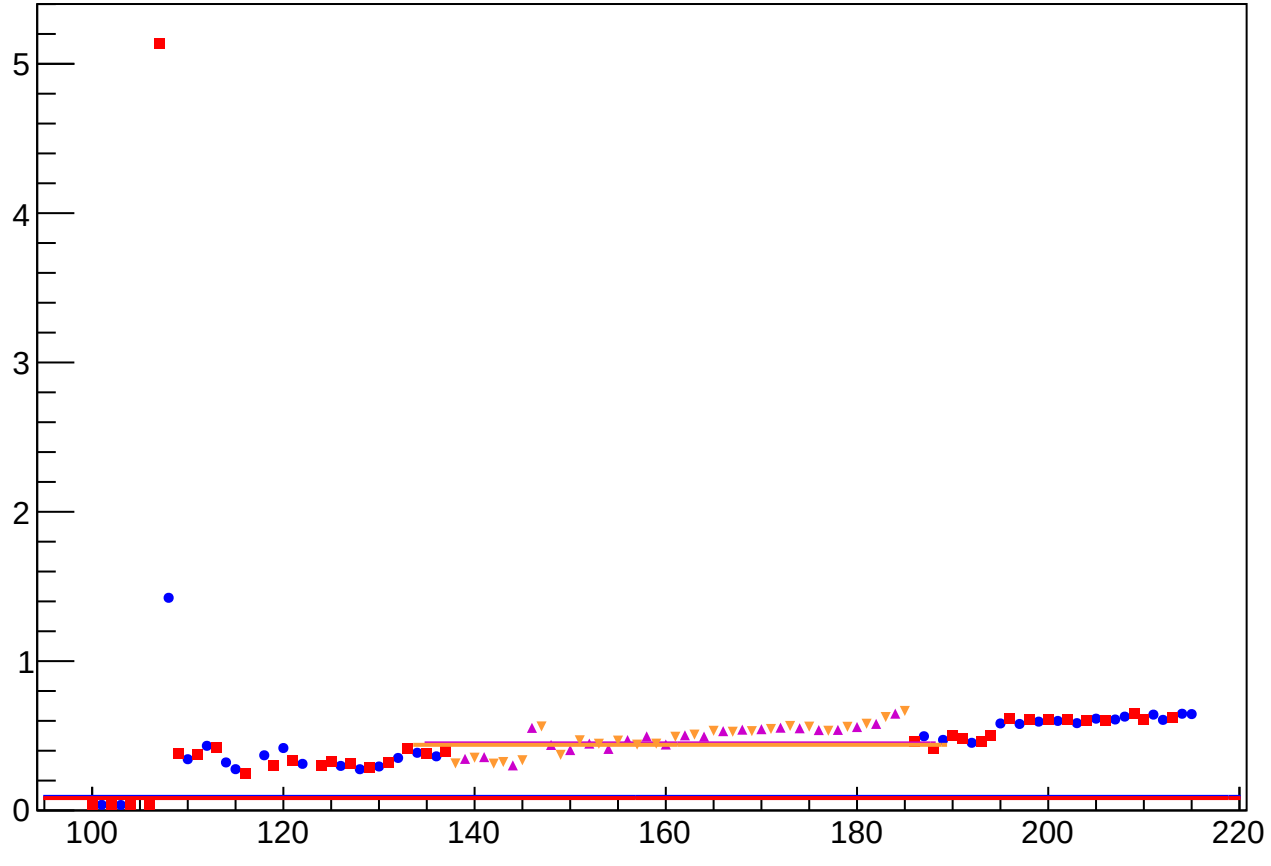
In: 0.557+/-0.000 χ^2/NDF:7693502.8/53

Out: 0.532+/-0.000 χ^2/NDF:8076901.0/58

All: 0.544+/-0.000 χ^2/NDF: 15833327.4/112

yield_cav4dQ_mean vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 1743.880+/-0.000 χ²/NDF: 238653074763240.6/30
Left Out: 137.578+/-0.000 χ²/NDF:64111345.2/24
Right Out: 1775.519+/-0.000 χ²/NDF: 246696553172264.8/33
Left In: 137.349+/-0.000 χ²/NDF:248752254.7/22
Left: 137.469+/-0.000 χ²/NDF: 315189054.5/47
Right: 1760.889+/-0.000 χ²/NDF: 48567492825872
In: 1546.078+/-0.000 χ²/NDF:430754268152680.
Out: 1584.377+/-0.000 χ²/NDF:466718942106584
All: 1566.597+/-0.000 χ²/NDF: 898014971921

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.091+/-0.000 χ^2/NDF: 25681165.8/30

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.083+/-0.000 χ^2/NDF: 24858568.9/33

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

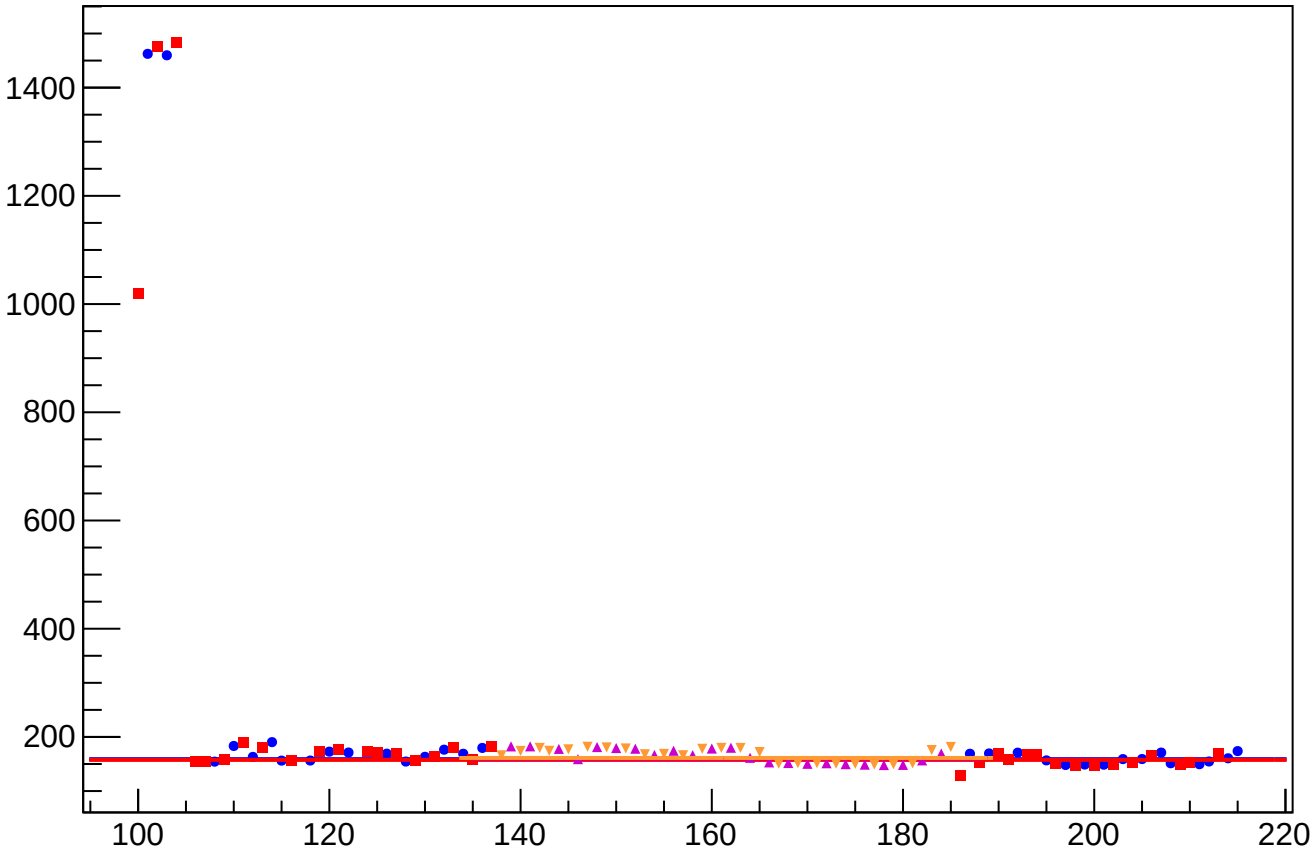
Right: 0.087+/-0.000 χ^2/NDF: 50582580.4/64

In: 0.135+/-0.000 χ^2/NDF:46128995.7/53

Out: 0.125+/-0.000 χ^2/NDF:47490712.6/58

All: 0.129+/-0.000 χ^2/NDF: 93702822.9/112

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 158.912+/-0.000 χ^2/NDF: 16066242794.6/30

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.603+/-0.000 χ^2/NDF: 18373091178.1/33

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

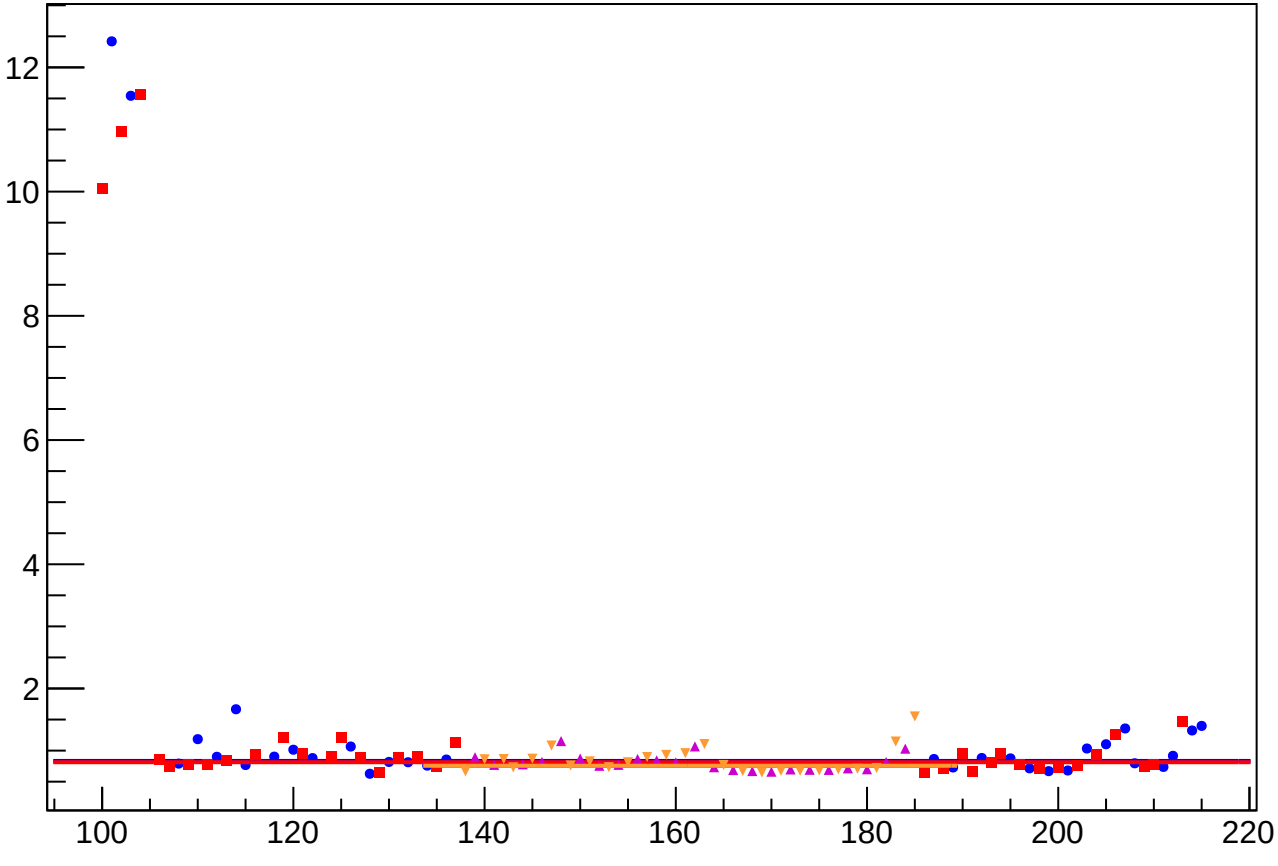
Right: 158.232+/-0.000 χ^2/NDF: 34455596807.6/64

In: 159.605+/-0.000 χ^2/NDF:19820118874.0/53

Out: 159.566+/-0.000 χ^2/NDF:22249552113.5/58

All: 159.585+/-0.000 χ^2/NDF: 42069702789.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.834+/-0.000 χ^2/NDF: 3250625.1/30

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.813+/-0.000 χ^2/NDF: 2859560.0/33

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

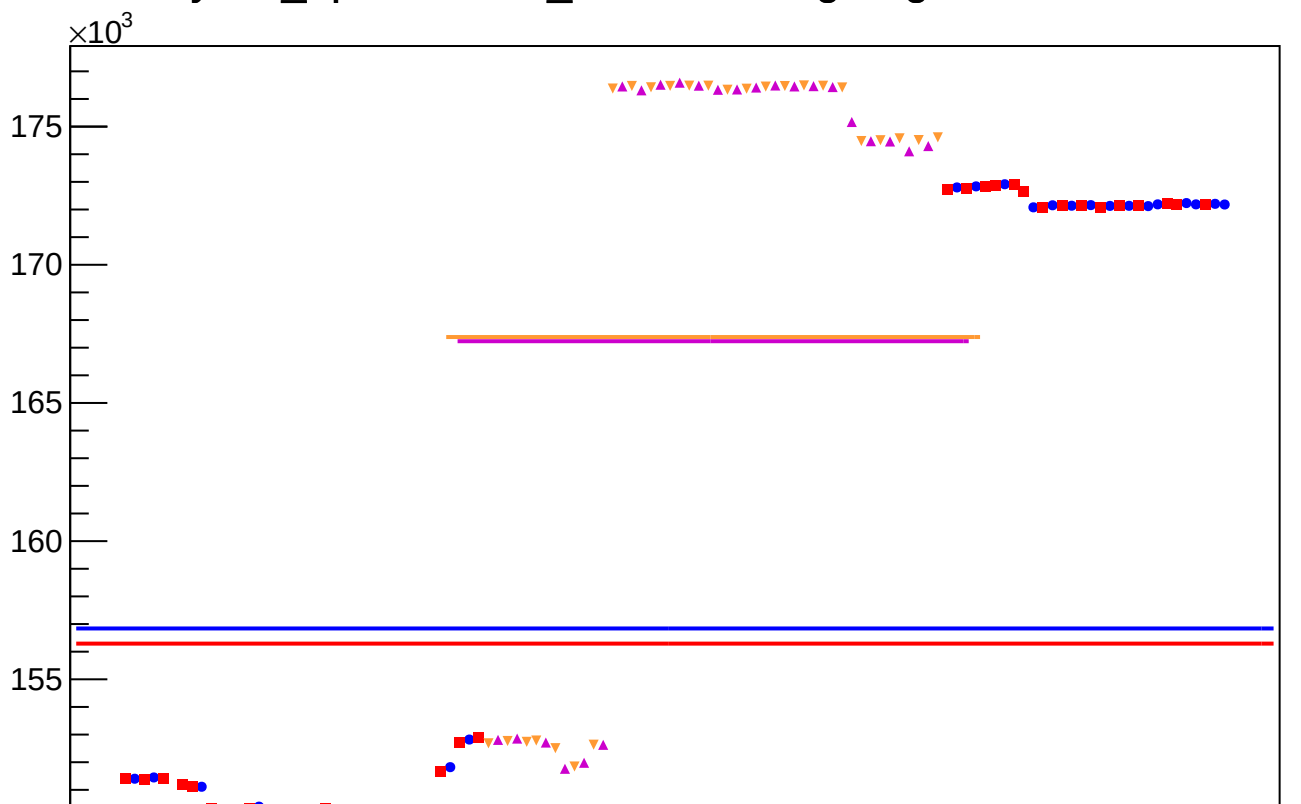
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.823+/-0.000 χ^2/NDF: 6118292.0/64

In: 0.790+/-0.000 χ^2/NDF:3849502.7/53

Out: 0.782+/-0.000 χ^2/NDF:3680236.2/58

All: 0.786+/-0.000 χ^2/NDF: 7532462.4/112



Right In: 156839.818+/-0.046 χ^2/NDF: 45893971197.2/30

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156291.720+/-0.044 χ^2/NDF: 48284112681.2/33

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

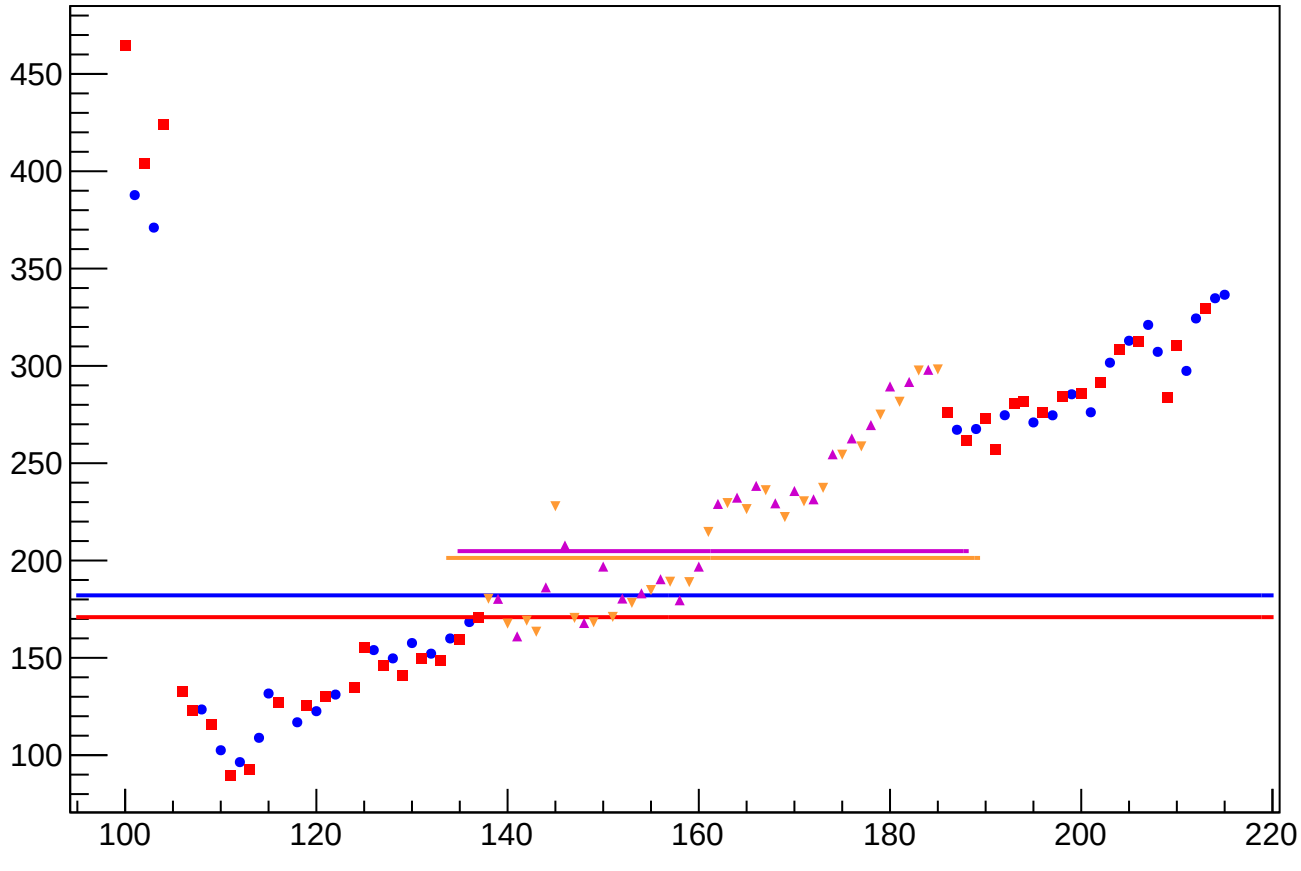
Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

Right: 156551.880+/-0.032 χ^2/NDF: 94252500069.

In: 161728.636+/-0.034 χ^2/NDF:124954649113.8

Out: 161476.347+/-0.032 χ^2/NDF:137903568292.

All: 161596.452+/-0.023 χ^2/NDF: 26288790



Right In: 182.100+/-0.033 χ^2/NDF: 6517976.1/30

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 170.902+/-0.031 χ^2/NDF: 6816309.7/33

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

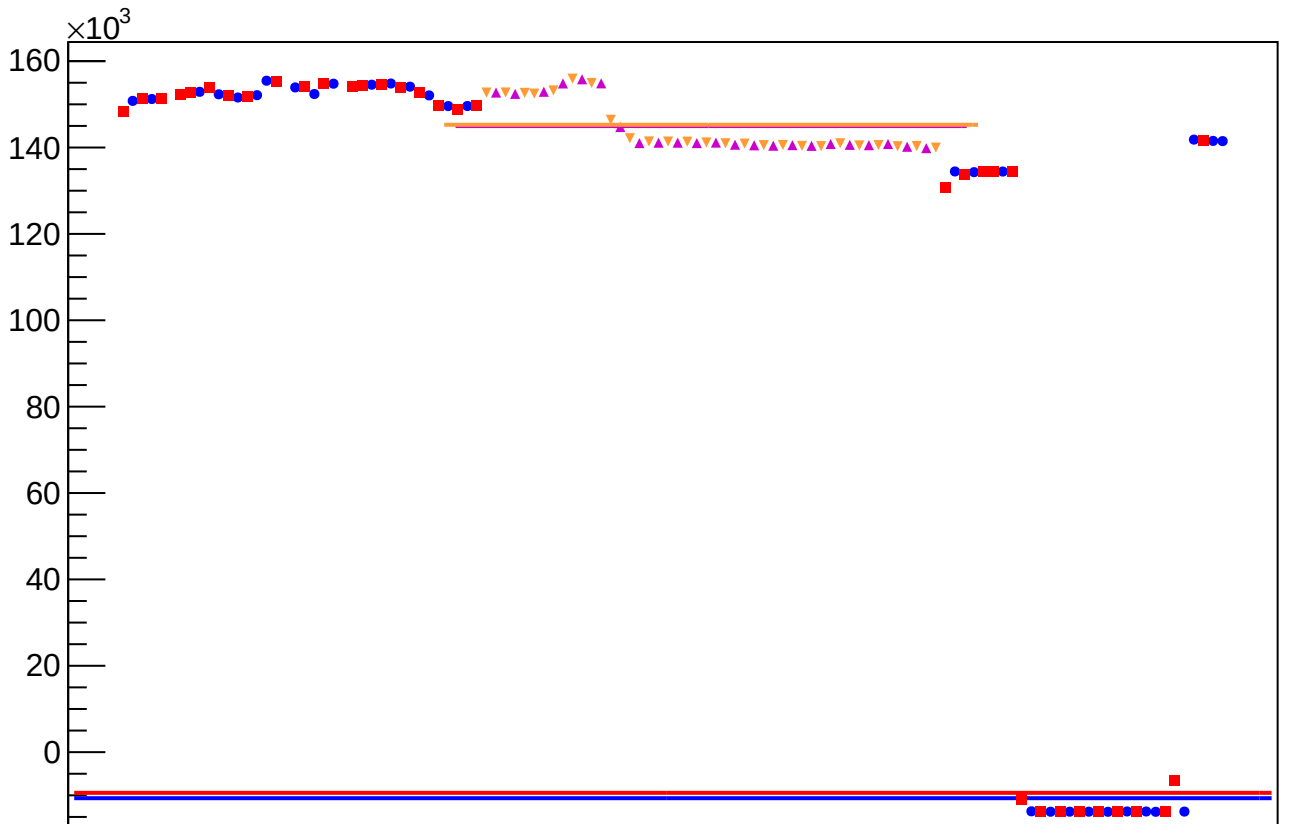
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 176.217+/-0.022 χ^2/NDF: 13396410.0/64

In: 192.789+/-0.024 χ^2/NDF:7800186.1/53

Out: 185.122+/-0.023 χ^2/NDF:8498553.4/58

All: 188.772+/-0.016 χ^2/NDF: 16353575.2/1



Right In: -10661.166+/-0.009 χ^2/NDF: 6498989865505.2/30

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9419.032+/-0.009 χ^2/NDF: 7341263408450.8/33

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

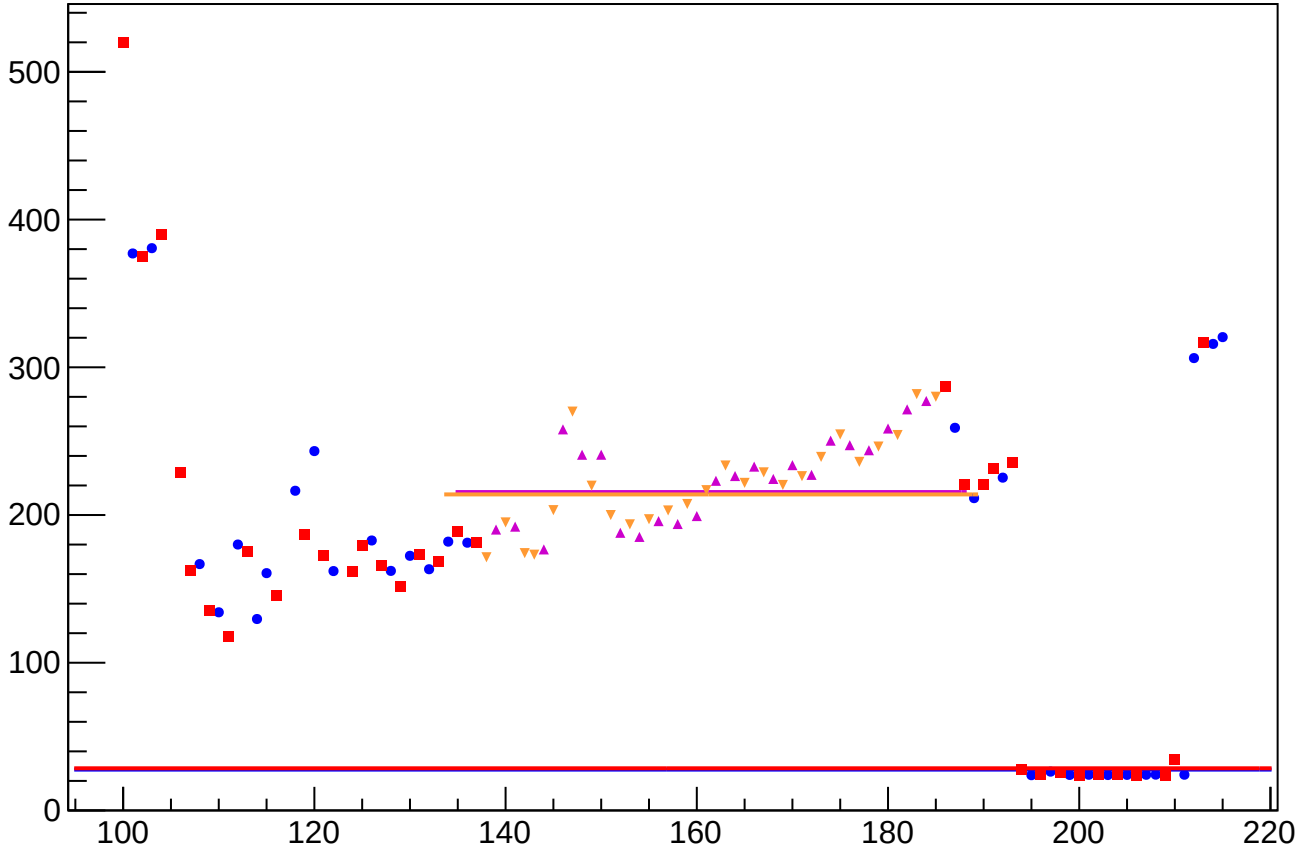
Right: -10084.063+/-0.006 χ^2/NDF: 138496377872

In: -6255.486+/-0.009 χ^2/NDF:15488275639285.

Out: -4031.052+/-0.009 χ^2/NDF:16823588398949

All: -5218.273+/-0.006 χ^2/NDF: 3234294890

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.663+/-0.006 χ^2/NDF: 17069043.1/30

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.535+/-0.007 χ^2/NDF: 15946854.2/33

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

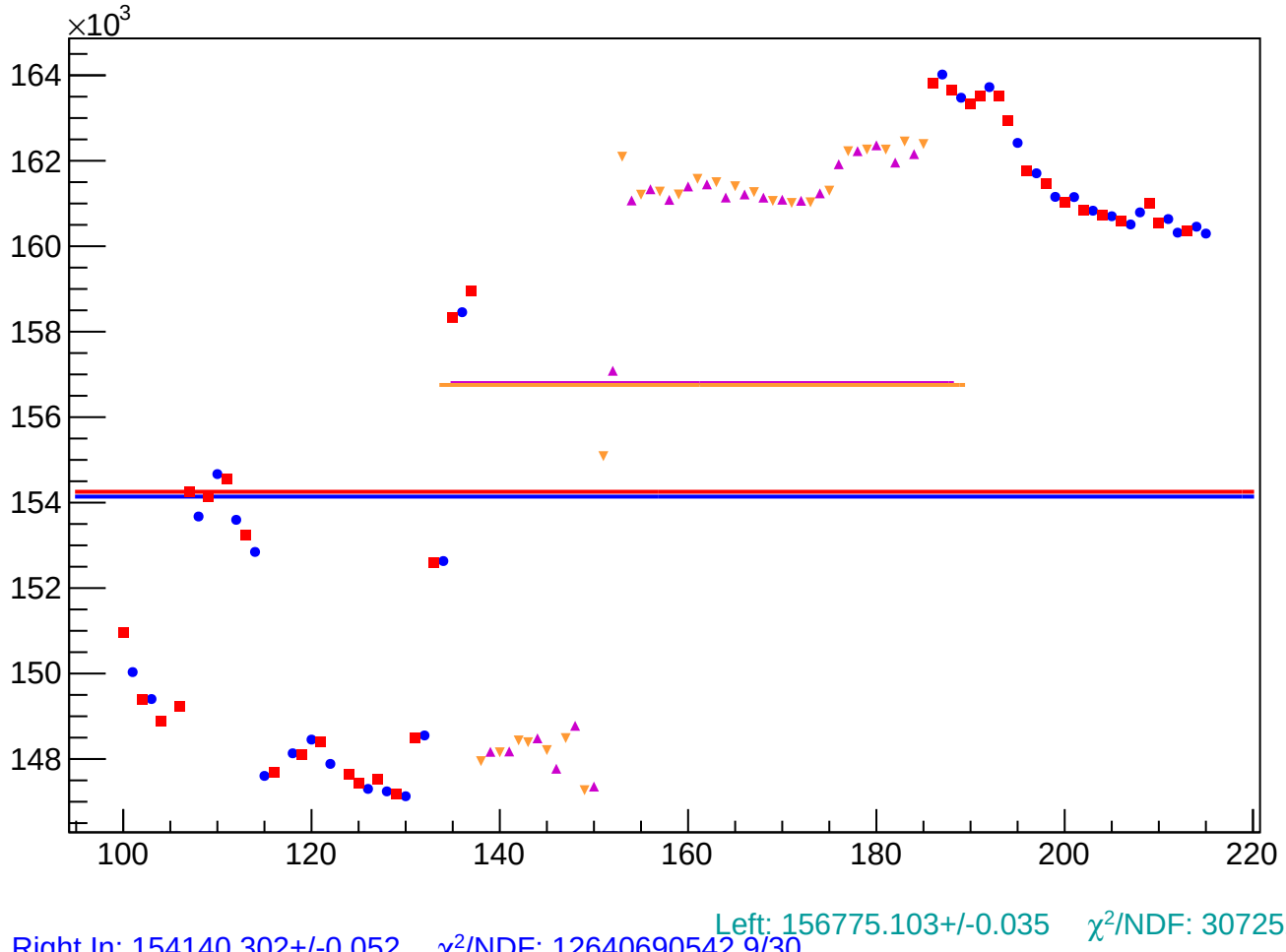
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.068+/-0.005 χ^2/NDF: 33025147.0/64

In: 32.981+/-0.006 χ^2/NDF:43832611.0/53

Out: 34.993+/-0.007 χ^2/NDF:43805299.9/58

All: 33.919+/-0.004 χ^2/NDF: 87688755.2/112



Right In: 154140.302+/-0.052 χ^2/NDF: 12640690542.9/30

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154254.112+/-0.050 χ^2/NDF: 13158193551.5/33

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

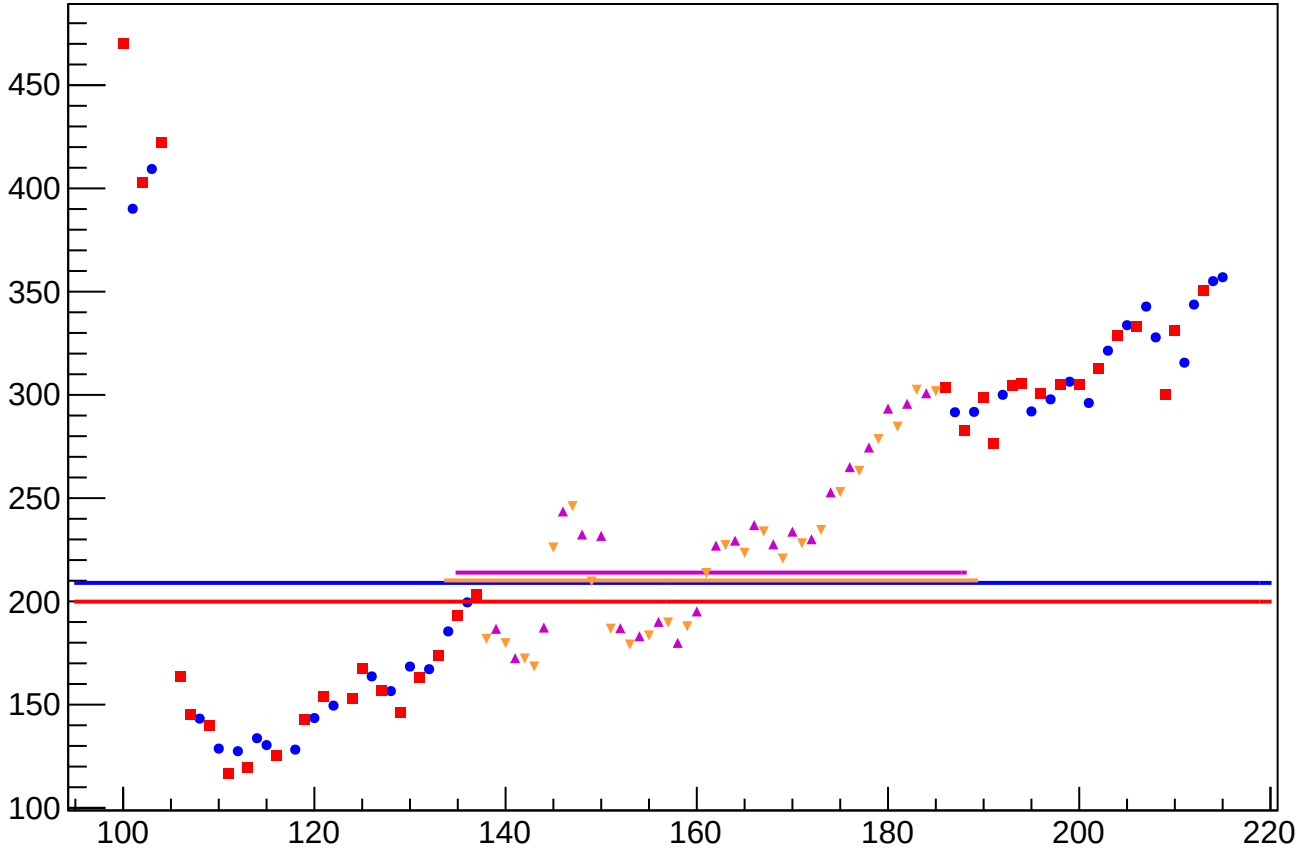
Right: 154199.046+/-0.036 χ^2/NDF: 25801365115.3

In: 155493.942+/-0.036 χ^2/NDF:28319829471.7/5

Out: 155545.109+/-0.035 χ^2/NDF:30816791356.8

All: 155520.537+/-0.025 χ^2/NDF: 59137650

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 208.958+/-0.037 χ^2/NDF: 5407335.9/30

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 199.871+/-0.036 χ^2/NDF: 5435407.8/33

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

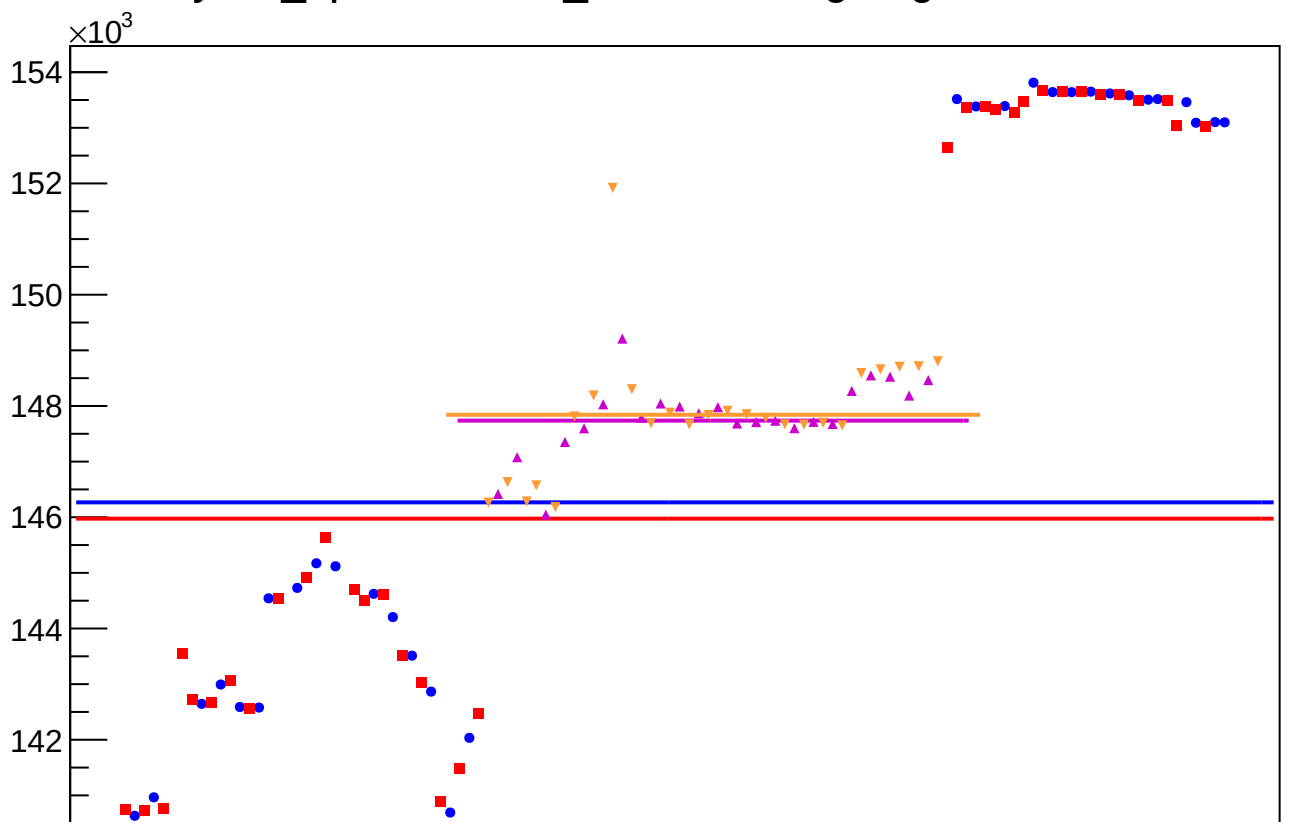
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 204.267+/-0.026 χ^2/NDF: 10874378.3/64

In: 211.498+/-0.026 χ^2/NDF:6331203.5/53

Out: 205.175+/-0.025 χ^2/NDF:6476344.6/58

All: 208.211+/-0.018 χ^2/NDF: 12838985.8/1



Right In: 146267.370+/-0.045 χ^2/NDF: 11184850331.6/30

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145974.511+/-0.043 χ^2/NDF: 11648588965.1/33

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

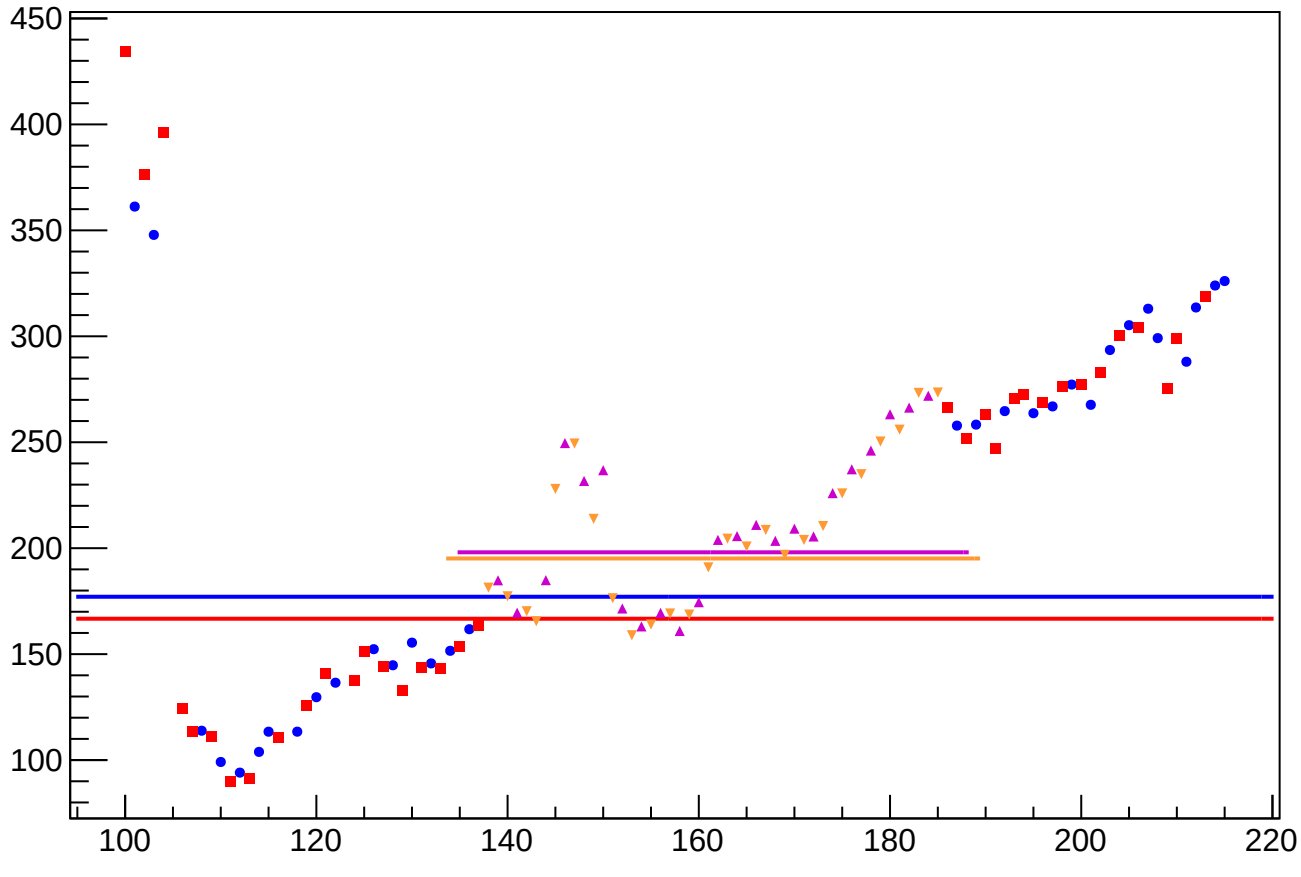
Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

Right: 146113.707+/-0.031 χ^2/NDF: 22855896017.1

In: 146963.434+/-0.032 χ^2/NDF:11922303588.1/5

Out: 146854.634+/-0.031 χ^2/NDF:13267175378.1/

All: 146906.474+/-0.022 χ^2/NDF: 25195355



Right In: 177.083+/-0.032 χ^2/NDF: 6451233.3/30

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 166.717+/-0.030 χ^2/NDF: 6654579.4/33

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

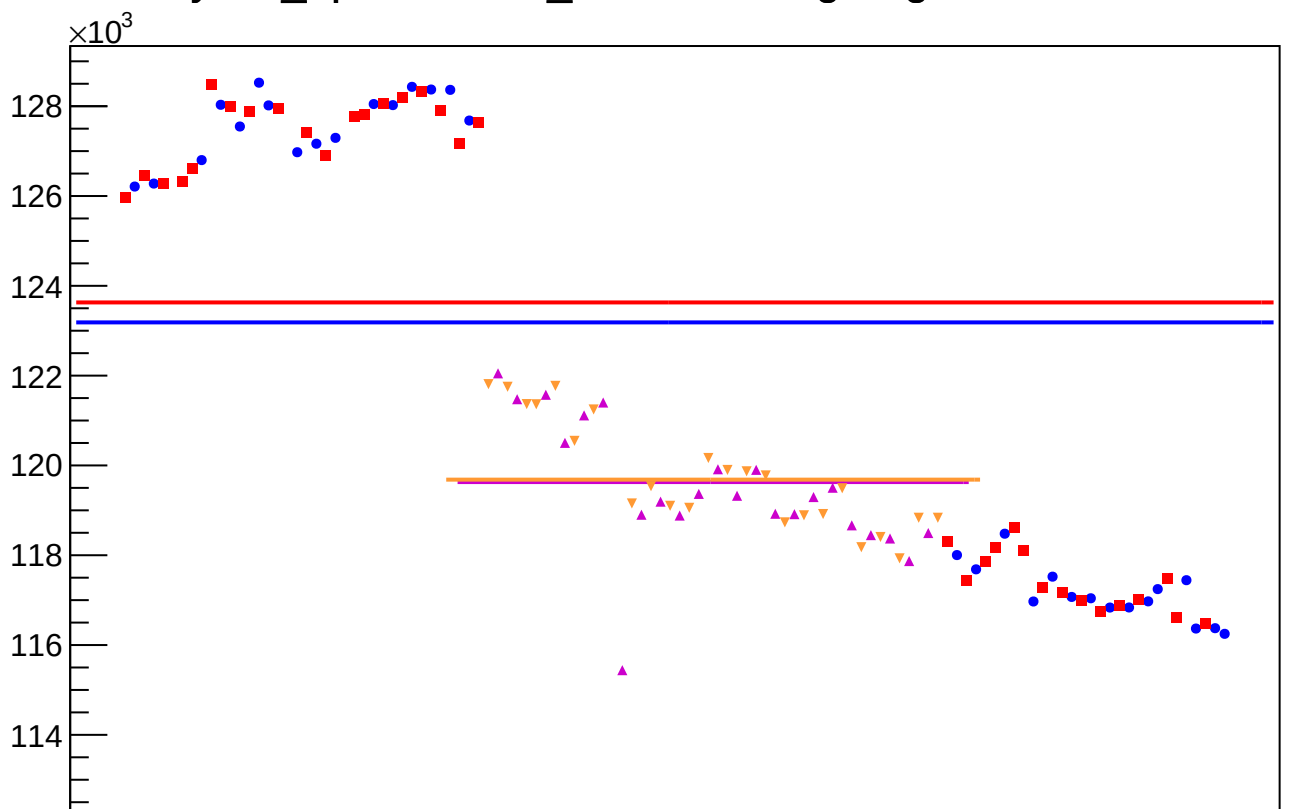
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 171.644+/-0.022 χ^2/NDF: 13162088.1/64

In: 187.019+/-0.023 χ^2/NDF:7559570.0/53

Out: 180.114+/-0.022 χ^2/NDF:7978193.7/58

All: 183.404+/-0.016 χ^2/NDF: 15585102.2/11



Right In: 123185.417+/-0.044 χ^2/NDF: 14164243709.9/30

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123630.003+/-0.043 χ^2/NDF: 14350622375.9/33

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

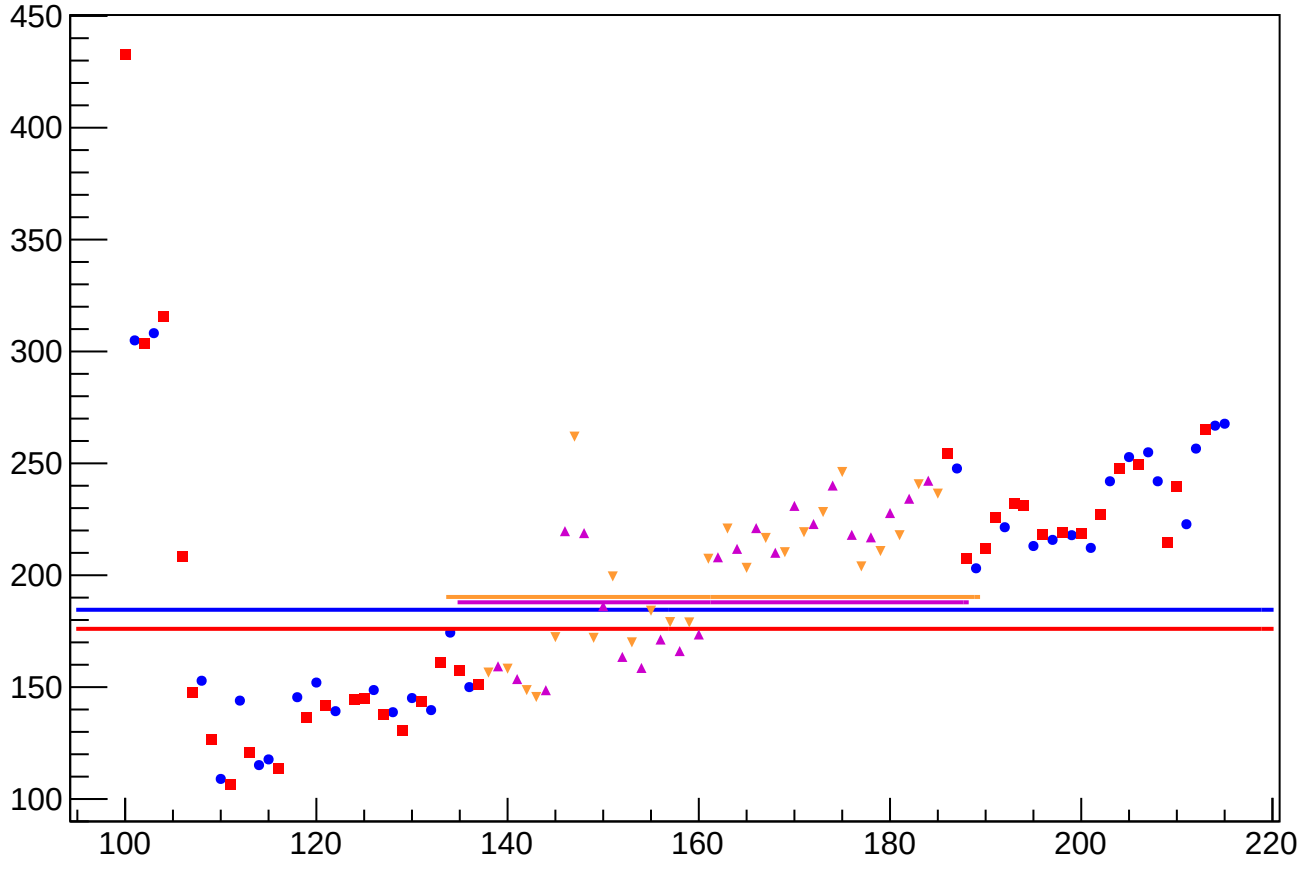
Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

Right: 123415.094+/-0.031 χ^2/NDF: 28567184283.2

In: 121439.723+/-0.032 χ^2/NDF:18661896297.7/5

Out: 121726.134+/-0.031 χ^2/NDF:20450850211.0/

All: 121586.498+/-0.022 χ^2/NDF: 39155057



Right In: 184.571+/-0.031 χ^2/NDF: 2784665.5/30

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 176.049+/-0.030 χ^2/NDF: 3112593.4/33

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

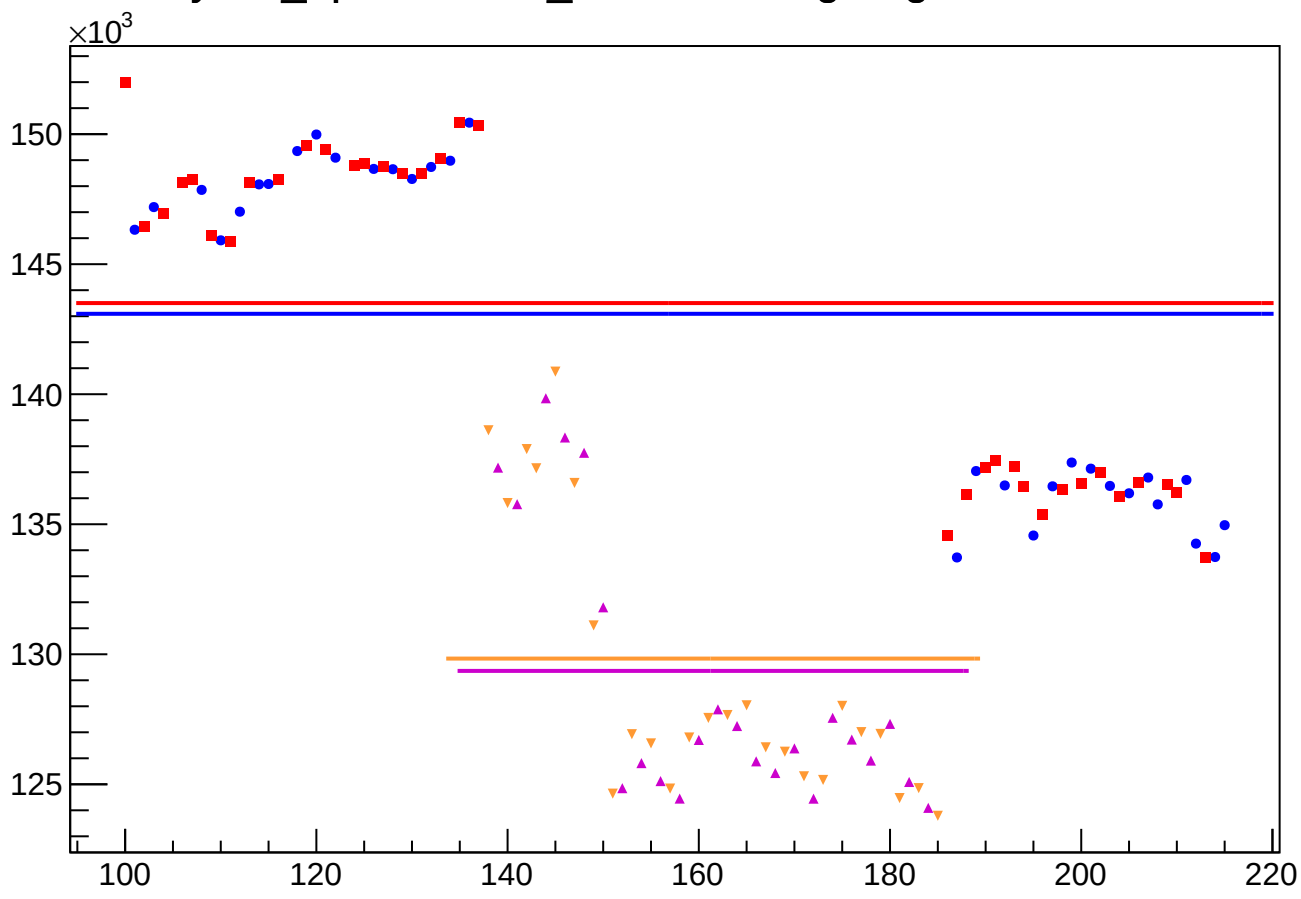
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 180.168+/-0.022 χ^2/NDF: 5935704.3/64

In: 186.210+/-0.022 χ^2/NDF:3716308.3/53

Out: 182.923+/-0.022 χ^2/NDF:4144399.1/58

All: 184.525+/-0.016 χ^2/NDF: 7871851.6/112



Right In: 143092.062+/-0.062 χ^2/NDF: 10516338158.9/30

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143504.674+/-0.060 χ^2/NDF: 10228217619.0/33

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

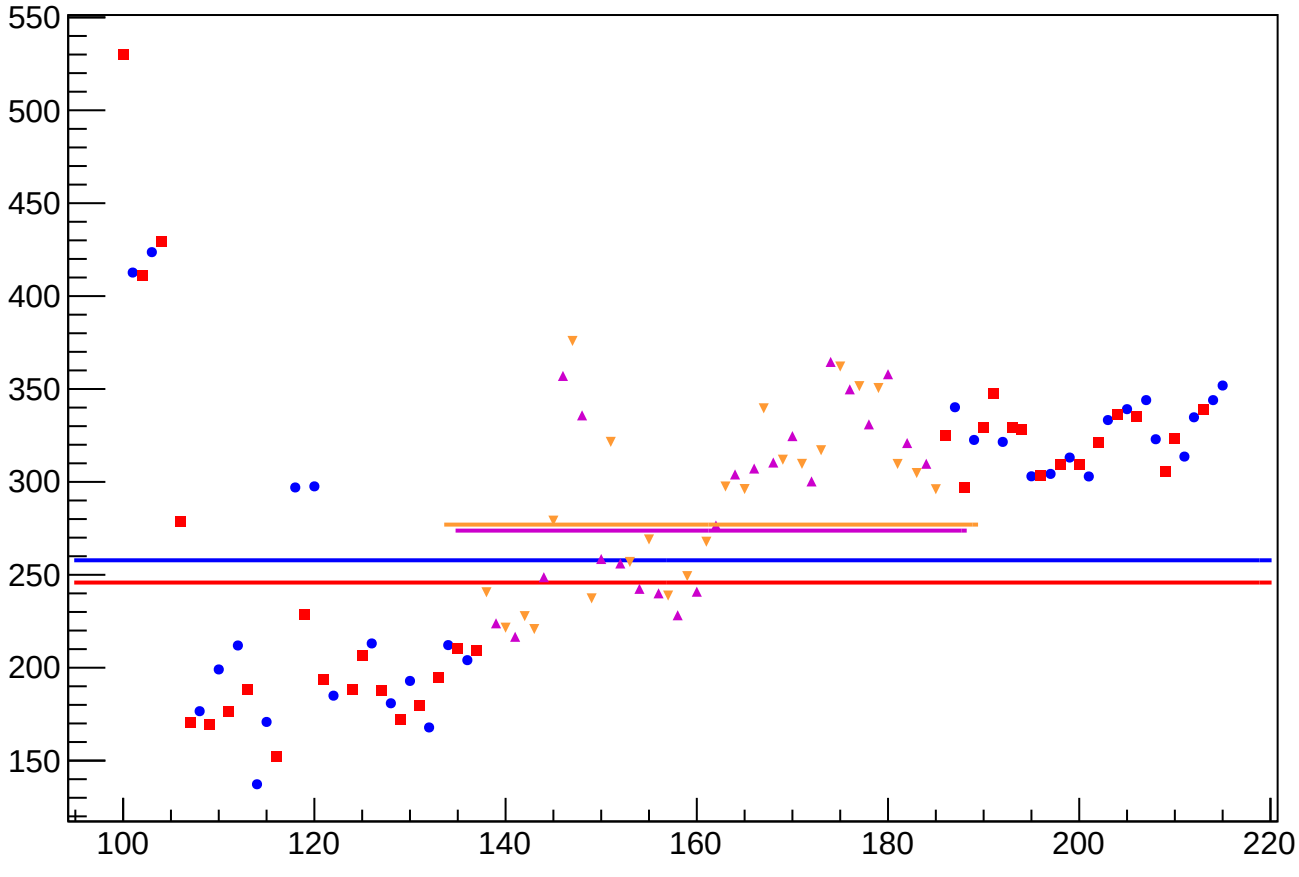
Right: 143305.557+/-0.043 χ^2/NDF: 20767695810.

In: 136620.790+/-0.045 χ^2/NDF:40484666594.7/5

Out: 137178.280+/-0.044 χ^2/NDF:41380051325.5

All: 136907.033+/-0.031 χ^2/NDF: 81943989

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 257.814+/-0.044 χ^2/NDF: 2797461.4/30

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 245.830+/-0.042 χ^2/NDF: 2957325.6/33

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

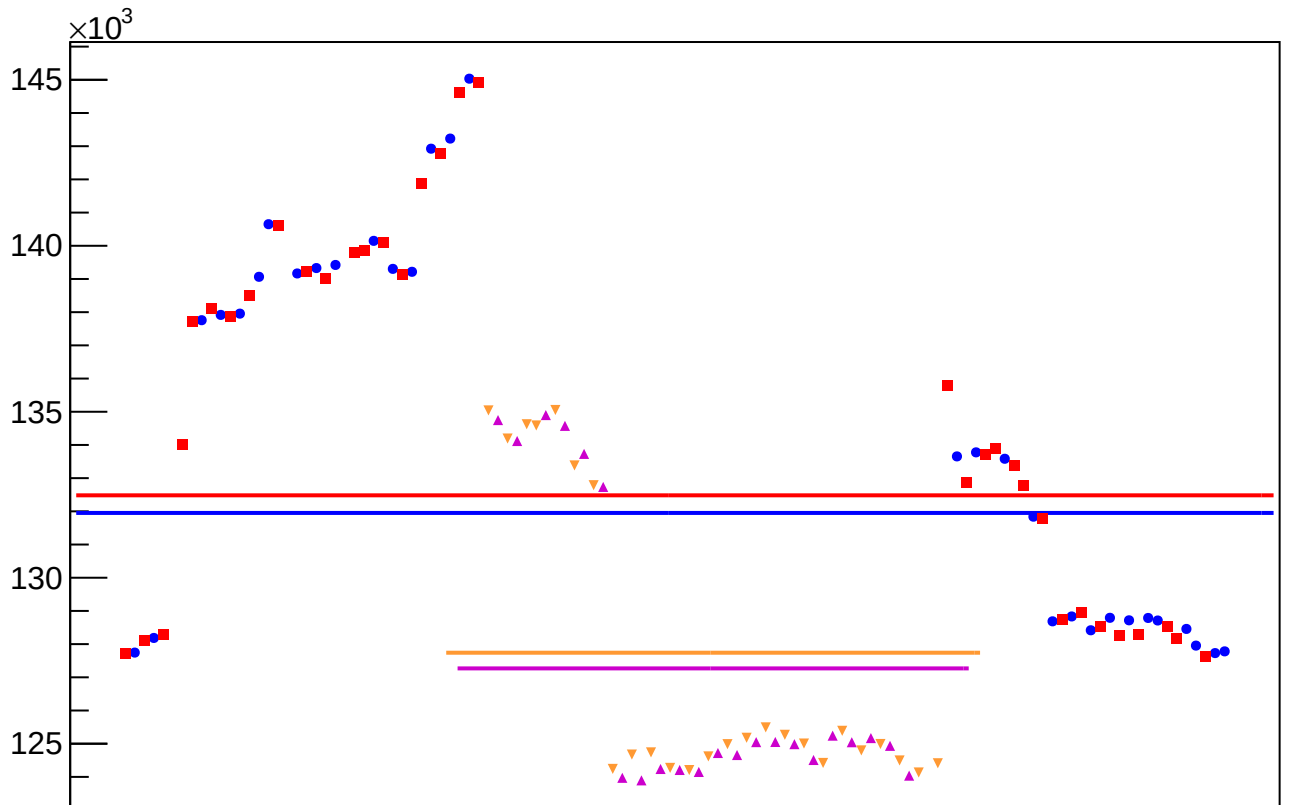
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 251.613+/-0.030 χ^2/NDF: 5793826.1/64

In: 265.341+/-0.032 χ^2/NDF:3864519.7/53

Out: 260.265+/-0.031 χ^2/NDF:4157540.3/58

All: 262.734+/-0.022 χ^2/NDF: 8035203.2/112



Right In: 131952.034+/-0.098 χ^2/NDF: 2913274208.0/30

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132482.524+/-0.103 χ^2/NDF: 2085561063.9/33

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

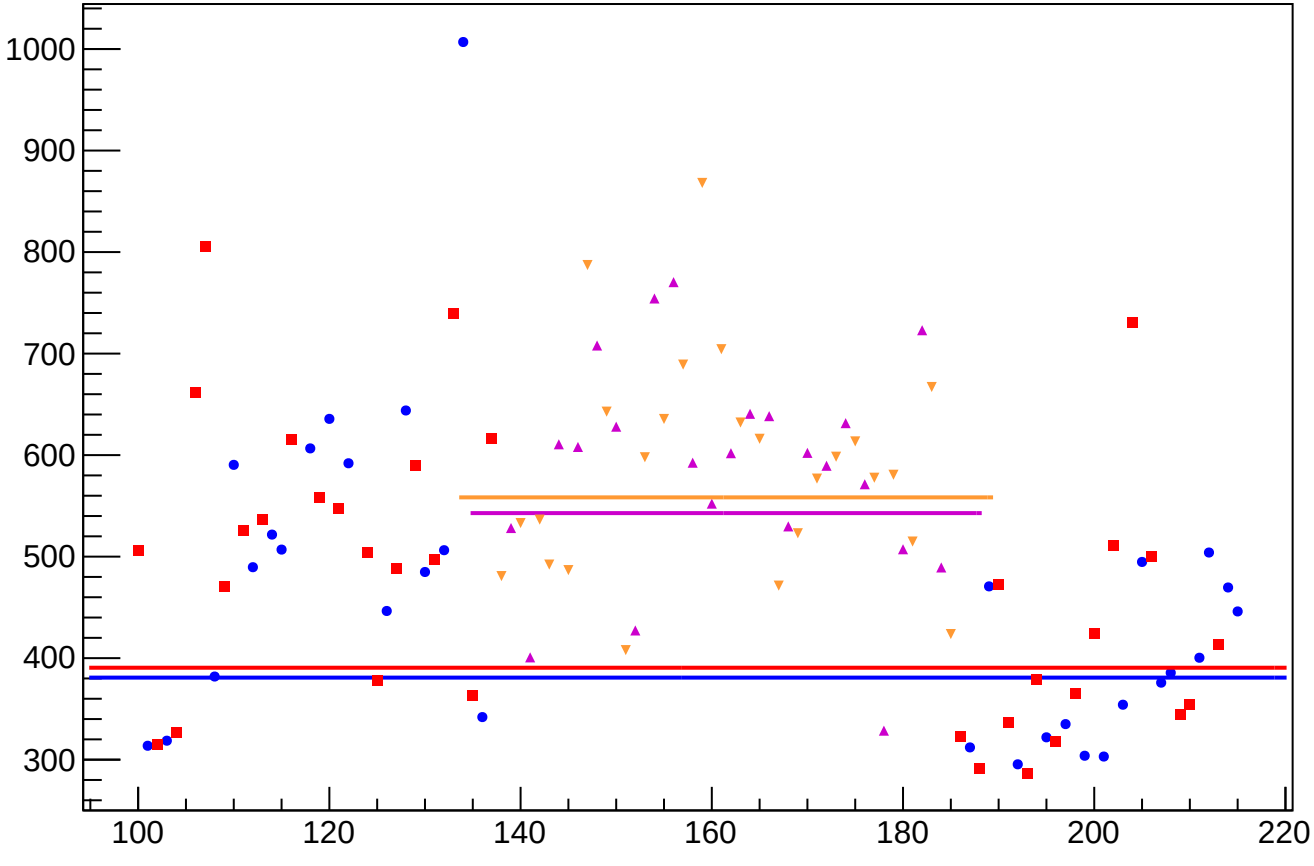
Right: 132206.152+/-0.071 χ^2/NDF: 5012775009.6/

In: 130383.764+/-0.080 χ^2/NDF:4644186646.0/53

Out: 130756.893+/-0.082 χ^2/NDF:3956011335.0/5

All: 130566.671+/-0.057 χ^2/NDF: 86108079

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 380.832+/-0.070 χ^2/NDF: 1758965.6/30

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 390.571+/-0.073 χ^2/NDF: 2004272.2/33

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

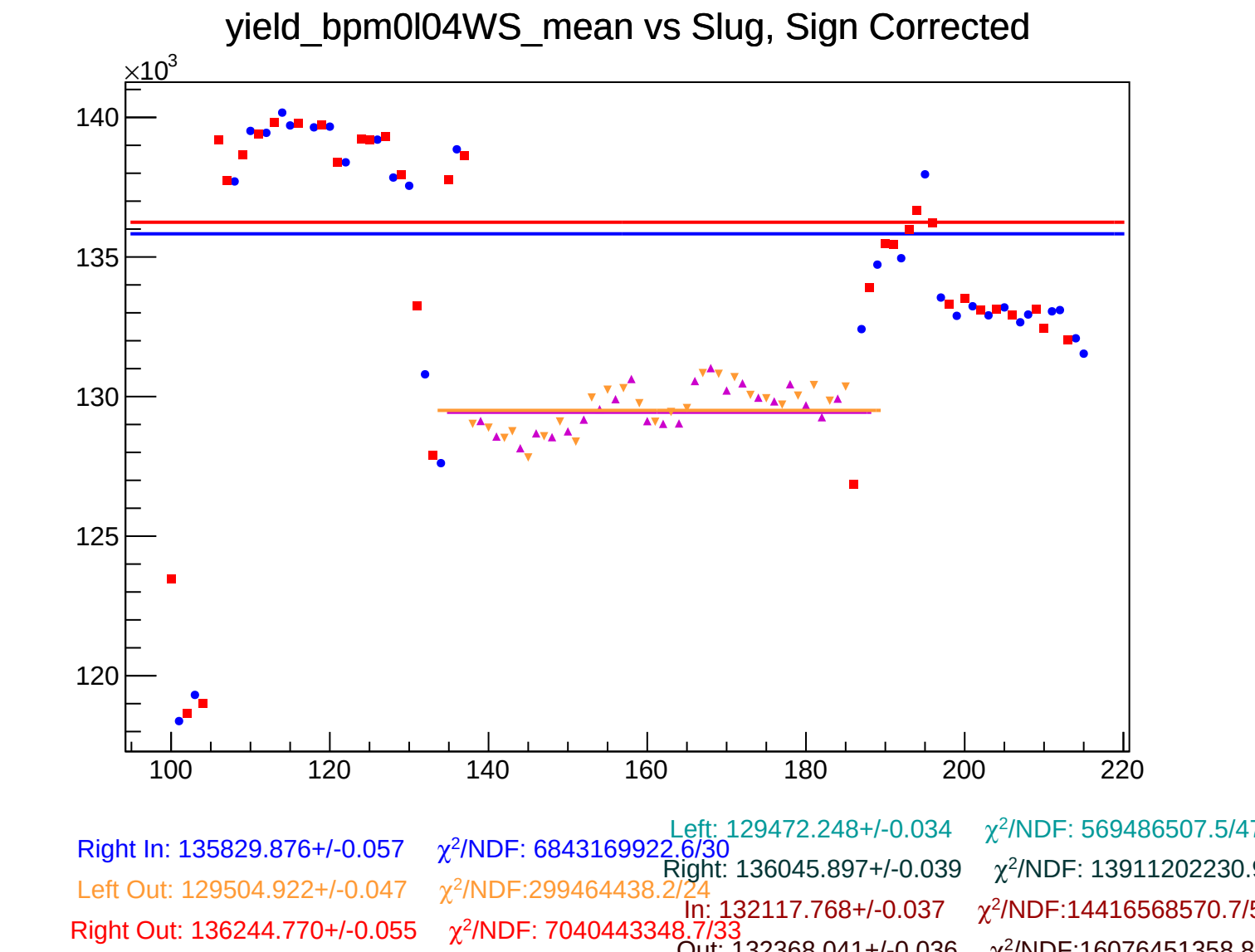
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 385.497+/-0.050 χ^2/NDF: 3772634.1/64

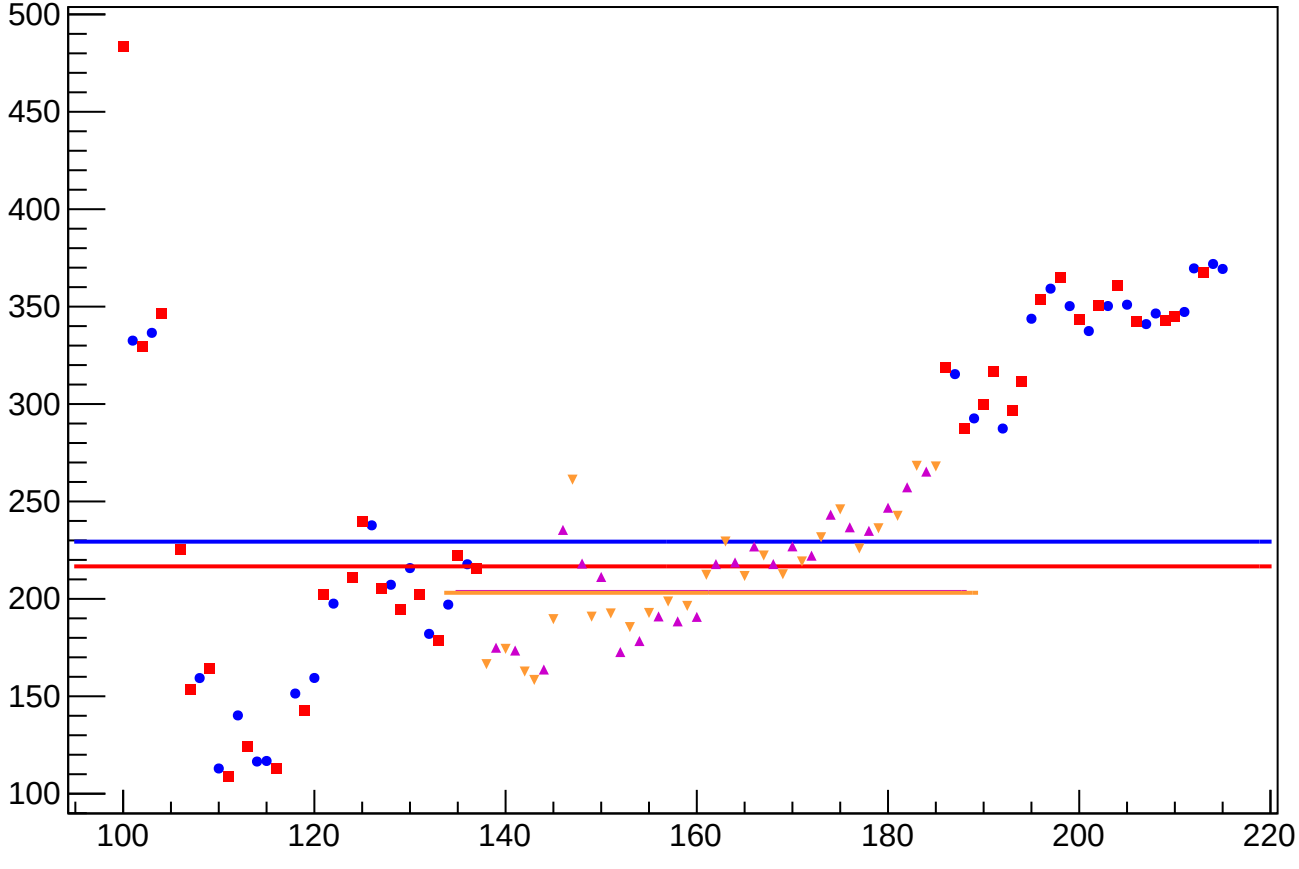
In: 435.091+/-0.057 χ^2/NDF:4993971.8/53

Out: 451.643+/-0.058 χ^2/NDF:4921300.1/58

All: 443.205+/-0.040 χ^2/NDF: 9957026.7/112


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
120
140
160
180
200
220
Right In: 135829.876+/-0.057 χ²/NDF: 6843169922.6/30
Left Out: 129504.922+/-0.047 χ²/NDF:299464438.2/24
Right Out: 136244.770+/-0.055 χ²/NDF: 7040443348.7/33
Left In: 129437.551+/-0.048 χ²/NDF:269025464.3/22
Left: 129472.248+/-0.034 χ²/NDF: 569486507.5/47
Right: 136045.897+/-0.039 χ²/NDF: 13911202230.9
In: 132117.768+/-0.037 χ²/NDF:14416568570.7/5
Out: 132368.041+/-0.036 χ²/NDF:16076451358.8
All: 132247.260+/-0.026 χ²/NDF: 30516812

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 229.368+/-0.040 χ^2/NDF: 5131680.5/30

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 216.675+/-0.039 χ^2/NDF: 5513701.1/33

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

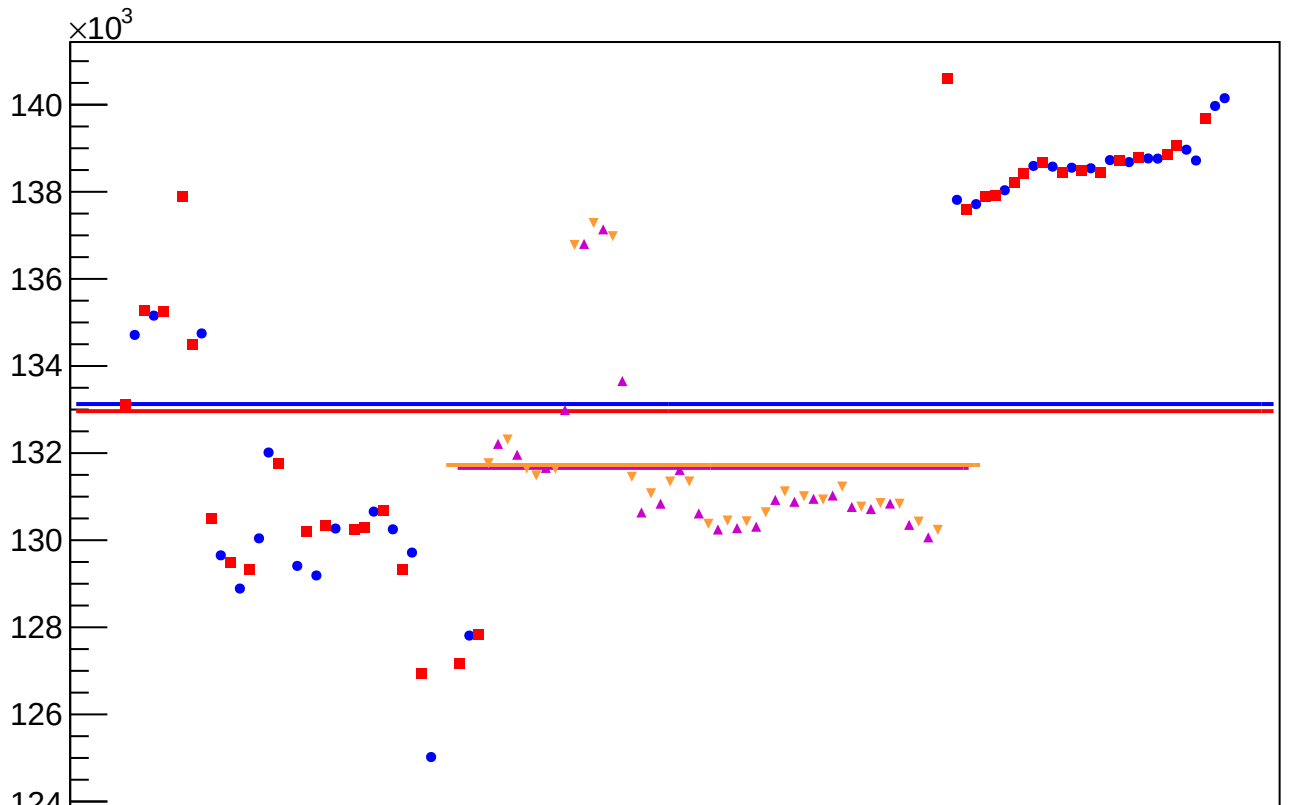
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 222.759+/-0.028 χ^2/NDF: 10697024.7/64

In: 214.373+/-0.026 χ^2/NDF:6036096.0/53

Out: 208.883+/-0.025 χ^2/NDF:6342731.3/58

All: 211.533+/-0.018 χ^2/NDF: 12401722.2/11



Right In: 133126.268+/-0.051 χ^2/NDF: 9915452700.5/30

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132963.400+/-0.049 χ^2/NDF: 9478000235.9/33

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

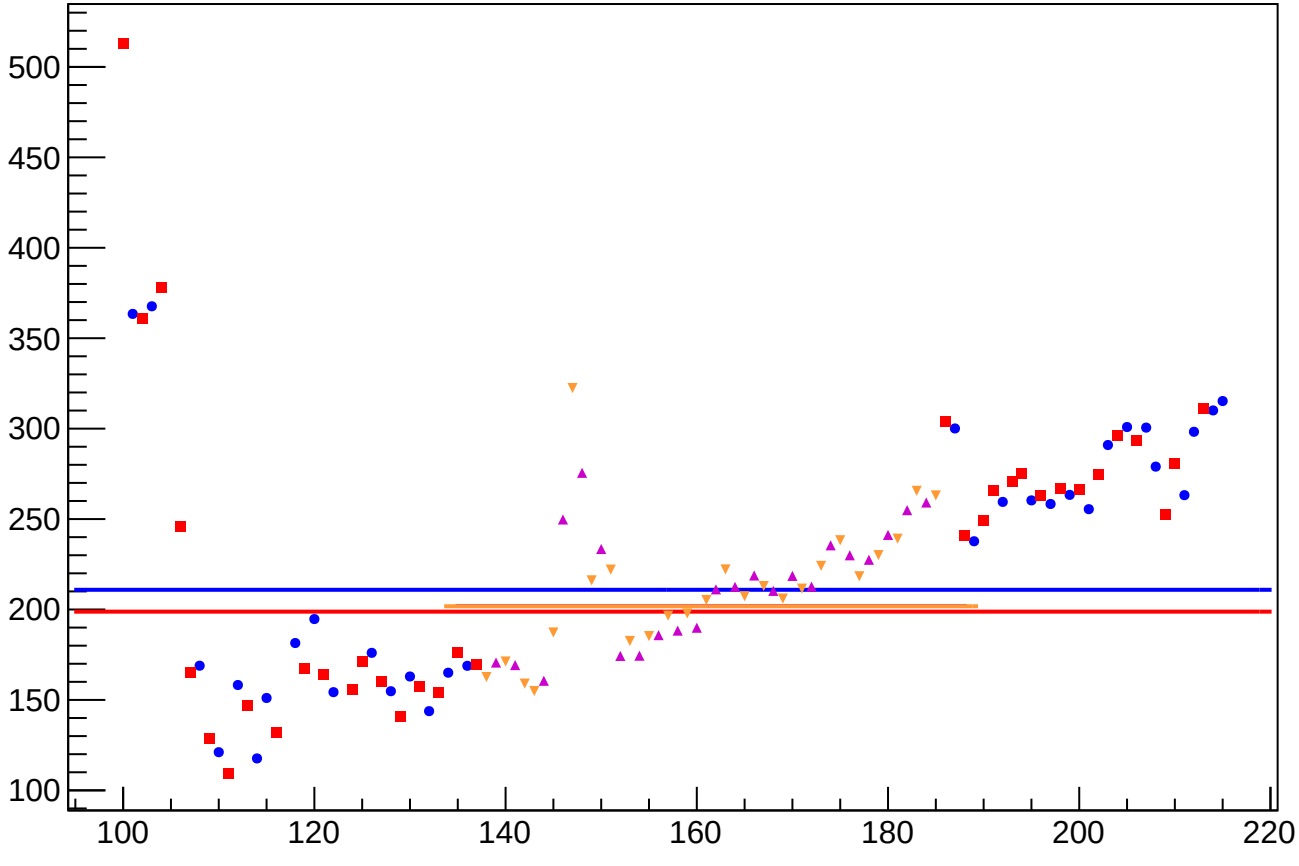
Right: 133041.467+/-0.035 χ^2/NDF: 19398758294.3

In: 132351.359+/-0.035 χ^2/NDF:11516142709.7/5

Out: 132318.034+/-0.034 χ^2/NDF:11235970322.1

All: 132334.124+/-0.024 χ^2/NDF: 22752581

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.894+/-0.036 χ^2/NDF: 3331162.7/30

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 198.811+/-0.035 χ^2/NDF: 3879730.9/33

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 204.603+/-0.025 χ^2/NDF: 7269302.1/64

In: 206.164+/-0.025 χ^2/NDF:4166378.0/53

Out: 200.370+/-0.024 χ^2/NDF:4788970.9/58

All: 203.168+/-0.017 χ^2/NDF: 8983648.8/112

Right In: 3487.946+/-0.005 χ^2/NDF: 5472101775797.4/30

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3877.078+/-0.005 χ^2/NDF: 6064442554283.5/33

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

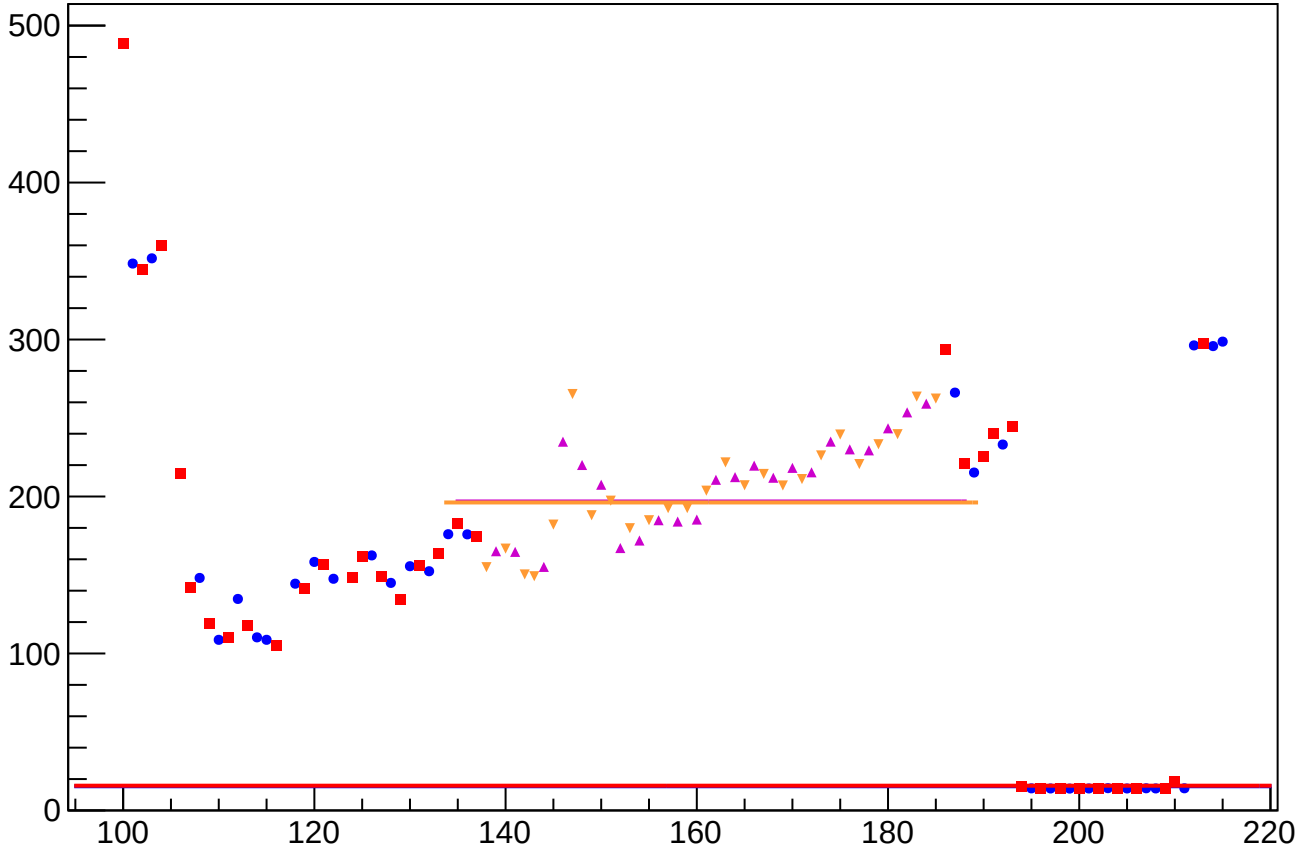
Right: 3667.756+/-0.004 χ^2/NDF: 11539283131574

In: 4926.694+/-0.005 χ^2/NDF:12528953120435.6

Out: 5650.495+/-0.005 χ^2/NDF:13528945160022.

All: 5261.637+/-0.004 χ^2/NDF: 2606749790

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.415+/-0.004 χ^2/NDF: 19159705.5/30

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 15.772+/-0.004 χ^2/NDF: 18136098.2/33

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

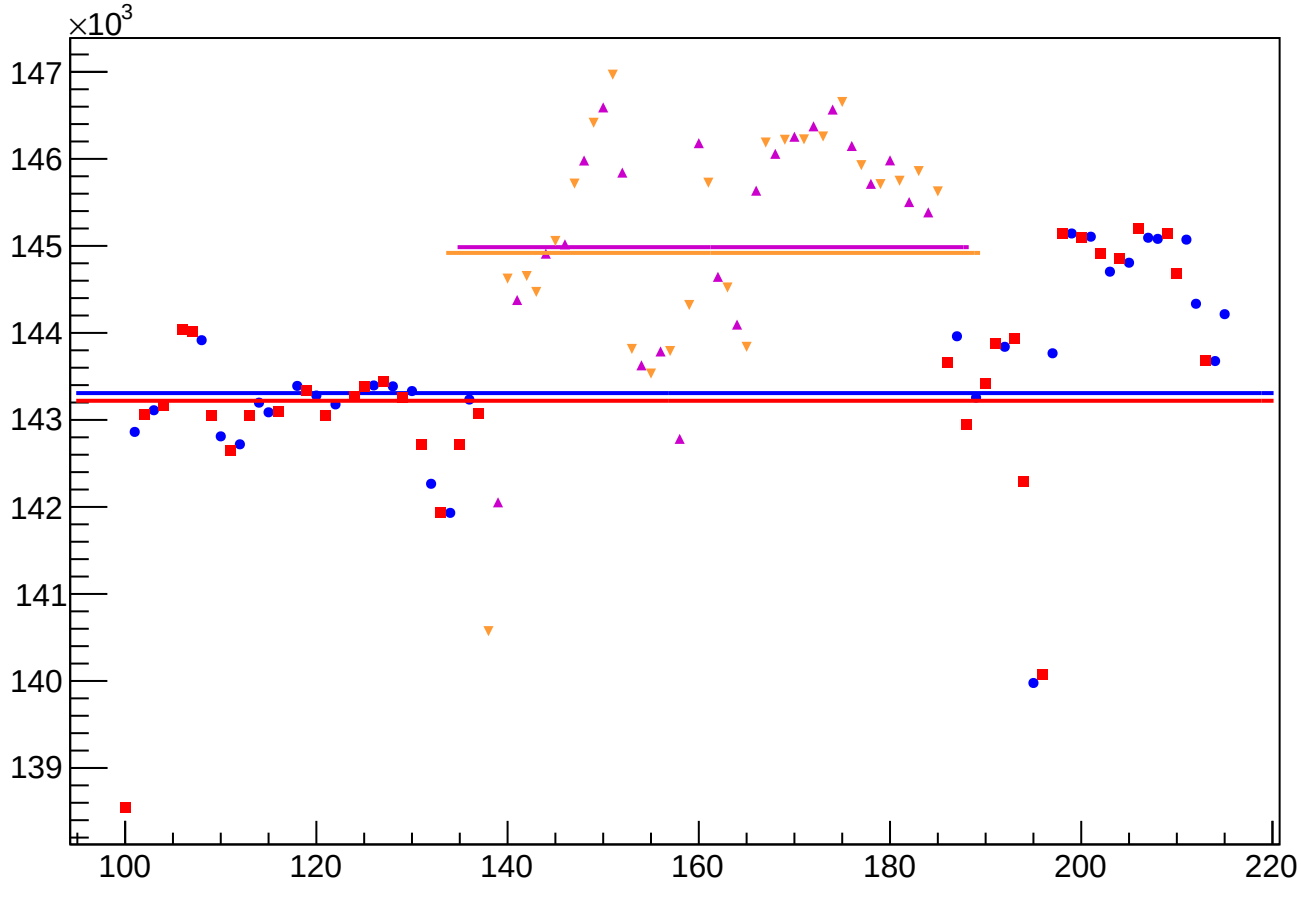
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.580+/-0.003 χ^2/NDF: 37300434.1/64

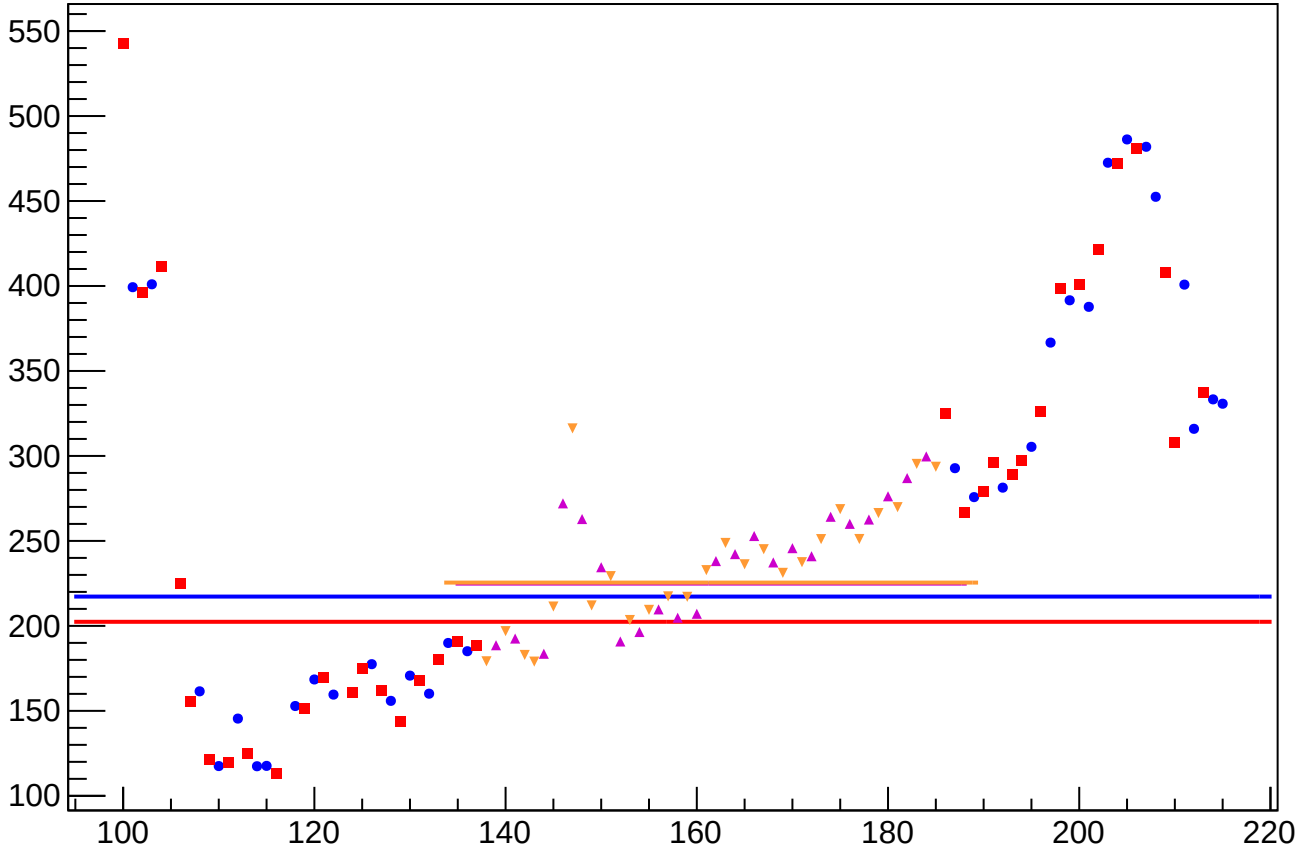
In: 17.498+/-0.004 χ^2/NDF:49521276.8/53

Out: 18.329+/-0.004 χ^2/NDF:50075684.2/58

All: 17.882+/-0.003 χ^2/NDF: 99622255.6/112


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
141
140
139
100
120
140
160
180
200
220
Right In: 143308.375+/-0.055 χ²/NDF: 276061908.2/30
Left Out: 144919.479+/-0.052 χ²/NDF:835478710.7/24
Right Out: 143220.012+/-0.052 χ²/NDF: 266273685.3/33
Left In: 144985.586+/-0.054 χ²/NDF:618782558.7/22
Left: 144951.693+/-0.037 χ²/NDF: 1455041879.5/4
Right: 143261.725+/-0.038 χ²/NDF: 543690900.0/6
In: 144171.273+/-0.038 χ²/NDF:1370683255.7/53
Out: 144068.424+/-0.037 χ²/NDF:1631930457.7/5
All: 144117.769+/-0.027 χ²/NDF: 300634021

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 217.248+/-0.039 χ^2/NDF: 6652337.0/30

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 202.404+/-0.037 χ^2/NDF: 6920885.1/33

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

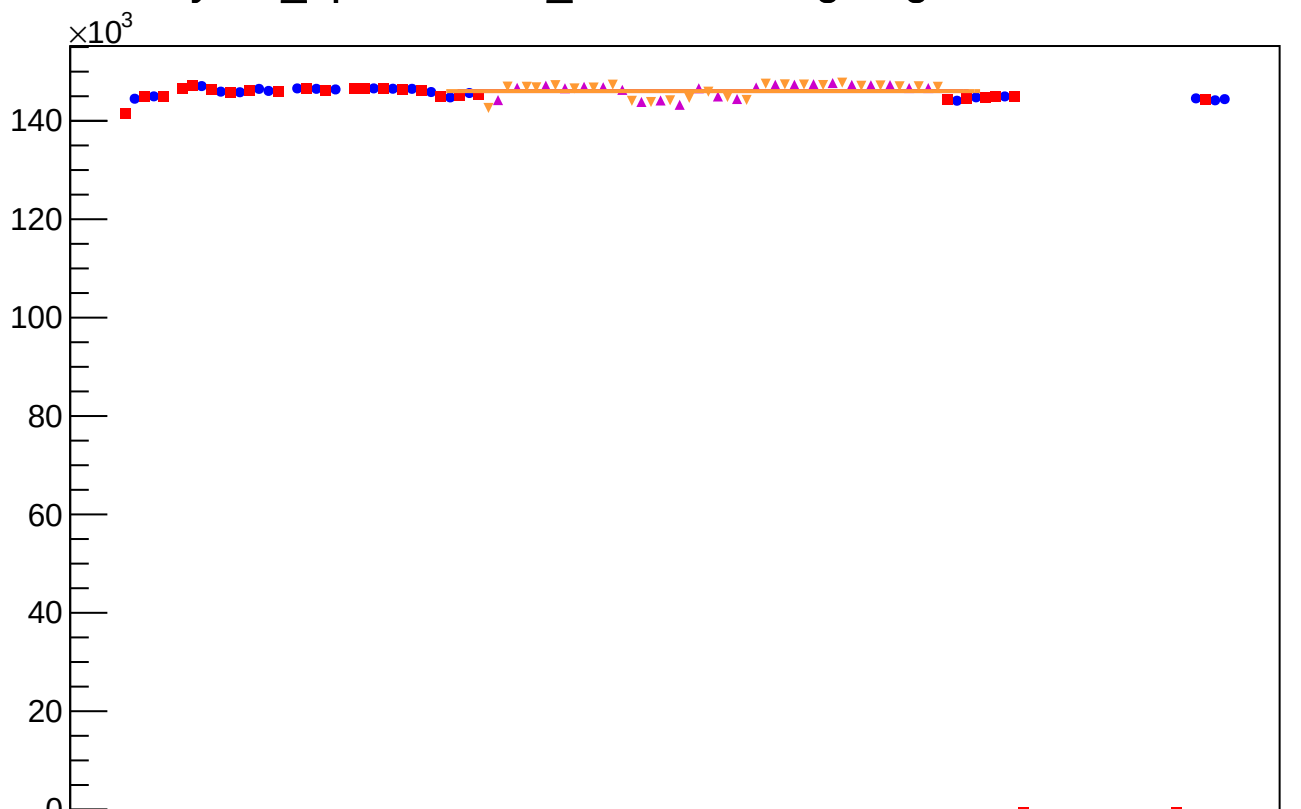
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 209.411+/-0.027 χ^2/NDF: 13649722.9/64

In: 221.169+/-0.027 χ^2/NDF:7395798.0/53

Out: 213.923+/-0.026 χ^2/NDF:7891728.3/58

All: 217.399+/-0.019 χ^2/NDF: 15324516.6/1



Right In: -943.904+/-0.003 χ^2/NDF: 5890025089744.2/30

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -854.397+/-0.003 χ^2/NDF: 6632250204694.8/33

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

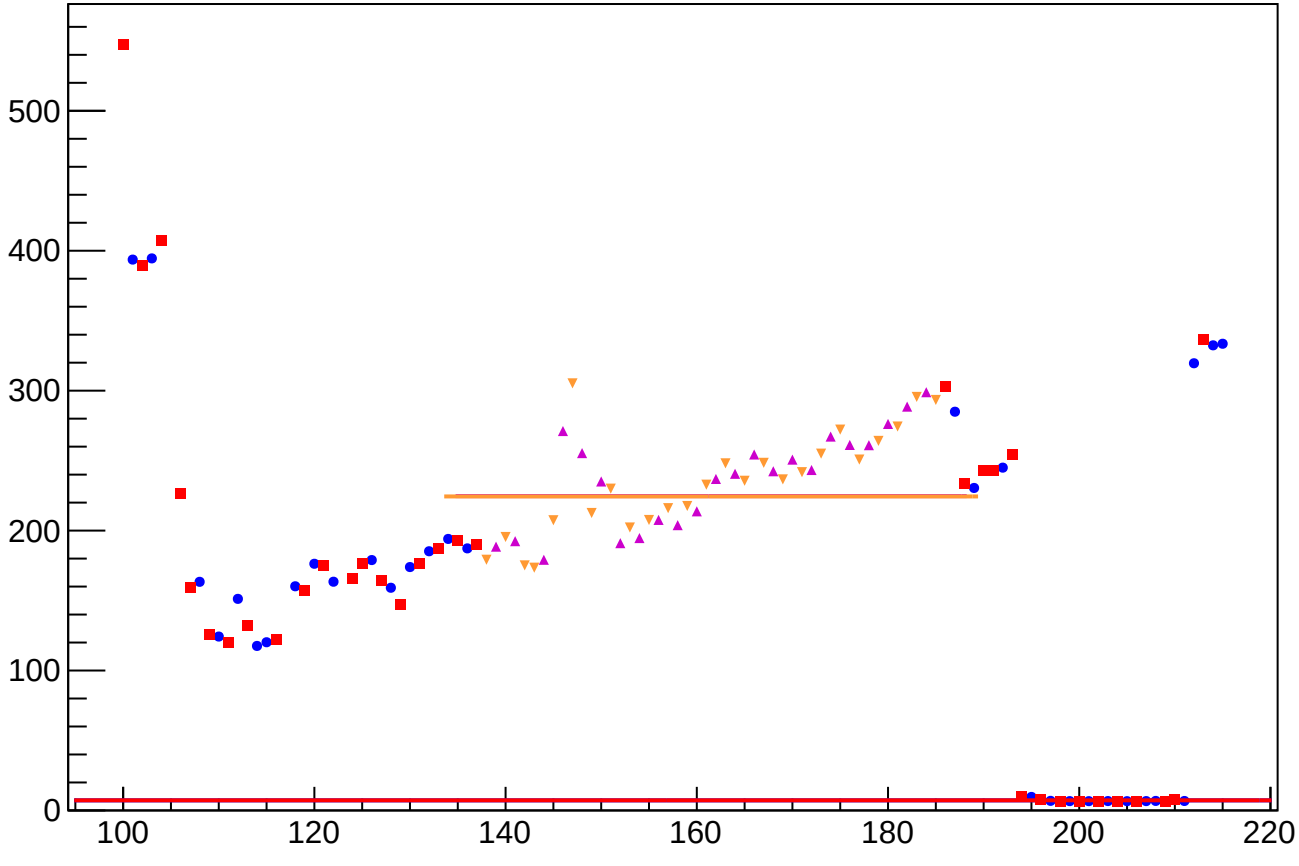
Right: -902.286+/-0.002 χ^2/NDF: 12522869692435

In: -623.483+/-0.003 χ^2/NDF:13406626226707.1/

Out: -463.825+/-0.003 χ^2/NDF:14589171127823.0

All: -549.228+/-0.002 χ^2/NDF: 2799769319

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.213+/-0.002 χ^2/NDF: 21146848.8/30

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.247+/-0.002 χ^2/NDF: 20153793.7/33

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

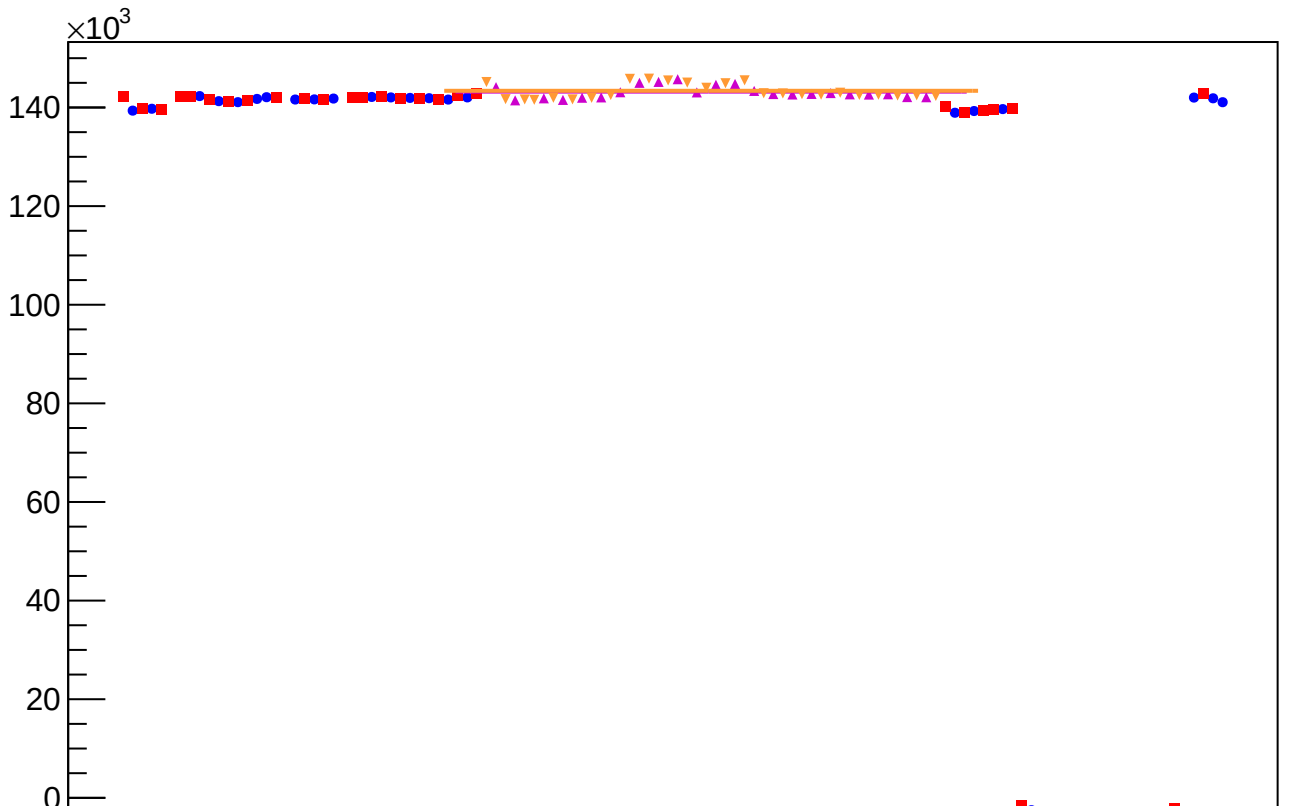
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.228+/-0.001 χ^2/NDF: 41300811.7/64

In: 7.687+/-0.002 χ^2/NDF:54793472.0/53

Out: 7.824+/-0.002 χ^2/NDF:55778260.6/58

All: 7.751+/-0.001 χ^2/NDF: 110574532.3/112



Right In: -2486.615+/-0.003 χ^2/NDF: 5404961744010.6/30

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2392.501+/-0.003 χ^2/NDF: 5984969354350.7/33

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

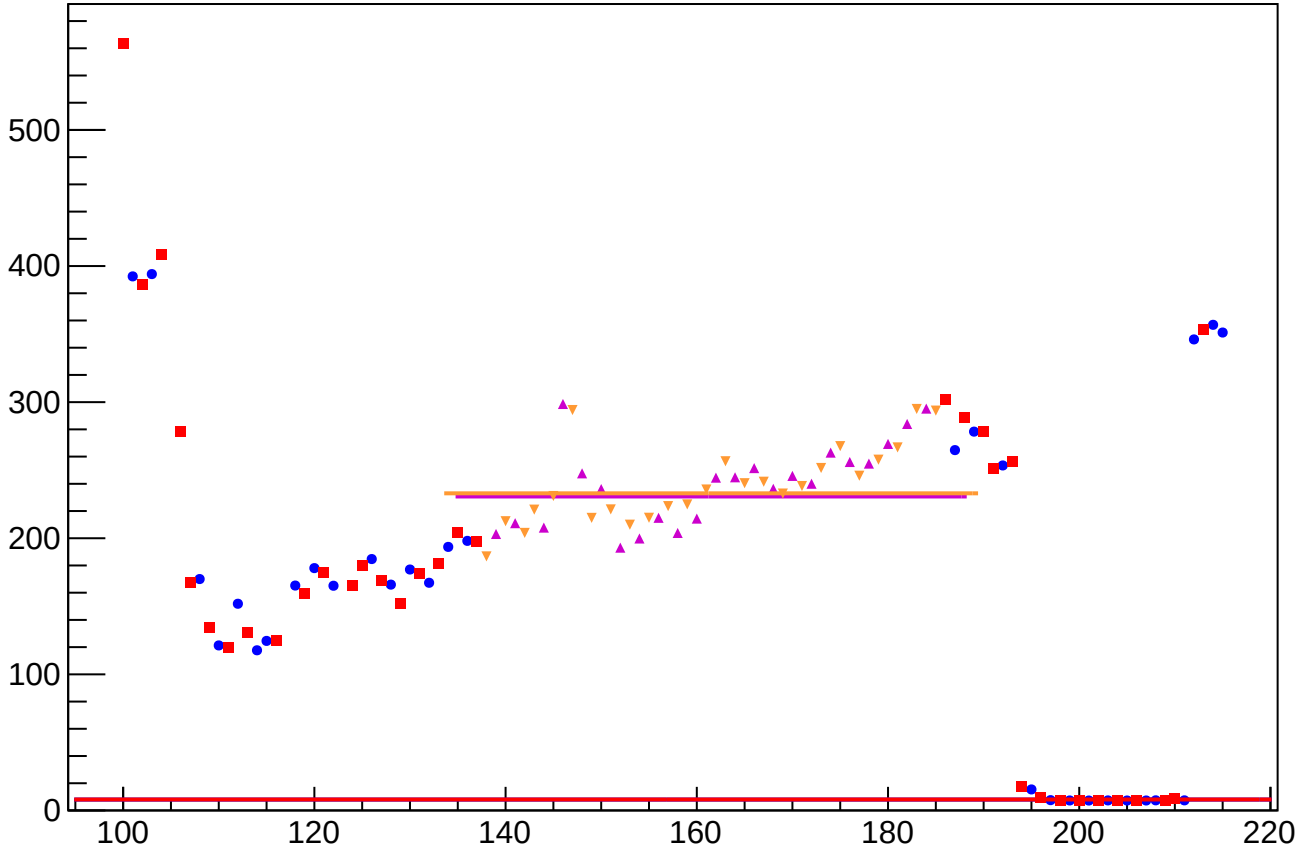
Right: -2442.874+/-0.002 χ^2/NDF: 1139045745703

In: -2108.536+/-0.003 χ^2/NDF:12449339518365.4

Out: -1938.321+/-0.003 χ^2/NDF:13336774286563

All: -2029.405+/-0.002 χ^2/NDF: 2578784051

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 7.996+/-0.002 χ^2/NDF: 21289900.5/30

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.051+/-0.002 χ^2/NDF: 20197310.0/33

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

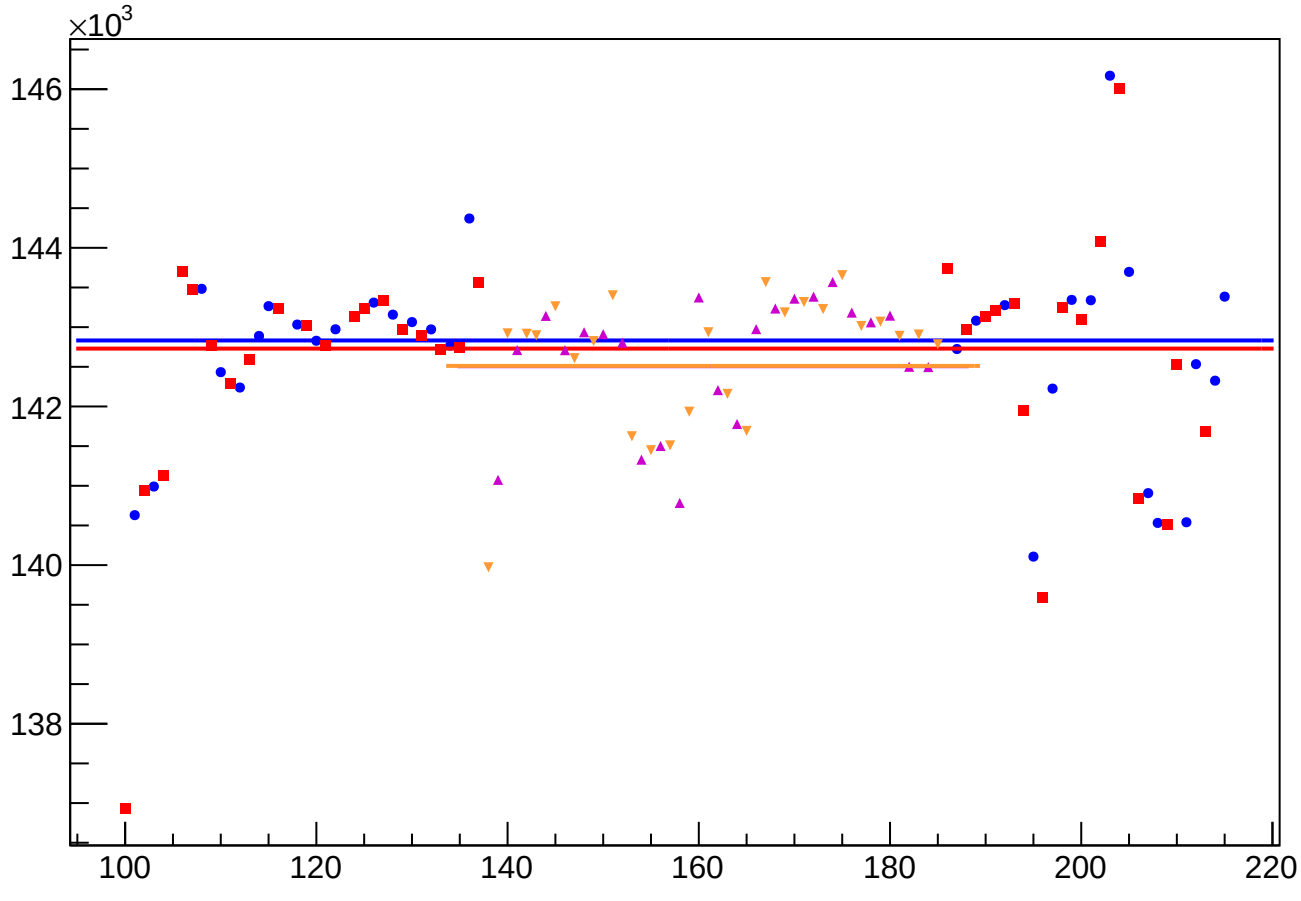
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.021+/-0.001 χ^2/NDF: 41487567.1/64

In: 8.574+/-0.002 χ^2/NDF:54709683.6/53

Out: 8.752+/-0.002 χ^2/NDF:55652528.0/58

All: 8.656+/-0.001 χ^2/NDF: 110365979.0/112



Right In: 142832.290+/-0.058 χ^2/NDF: 300381451.1/30

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142729.519+/-0.054 χ^2/NDF: 247173343.1/33

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

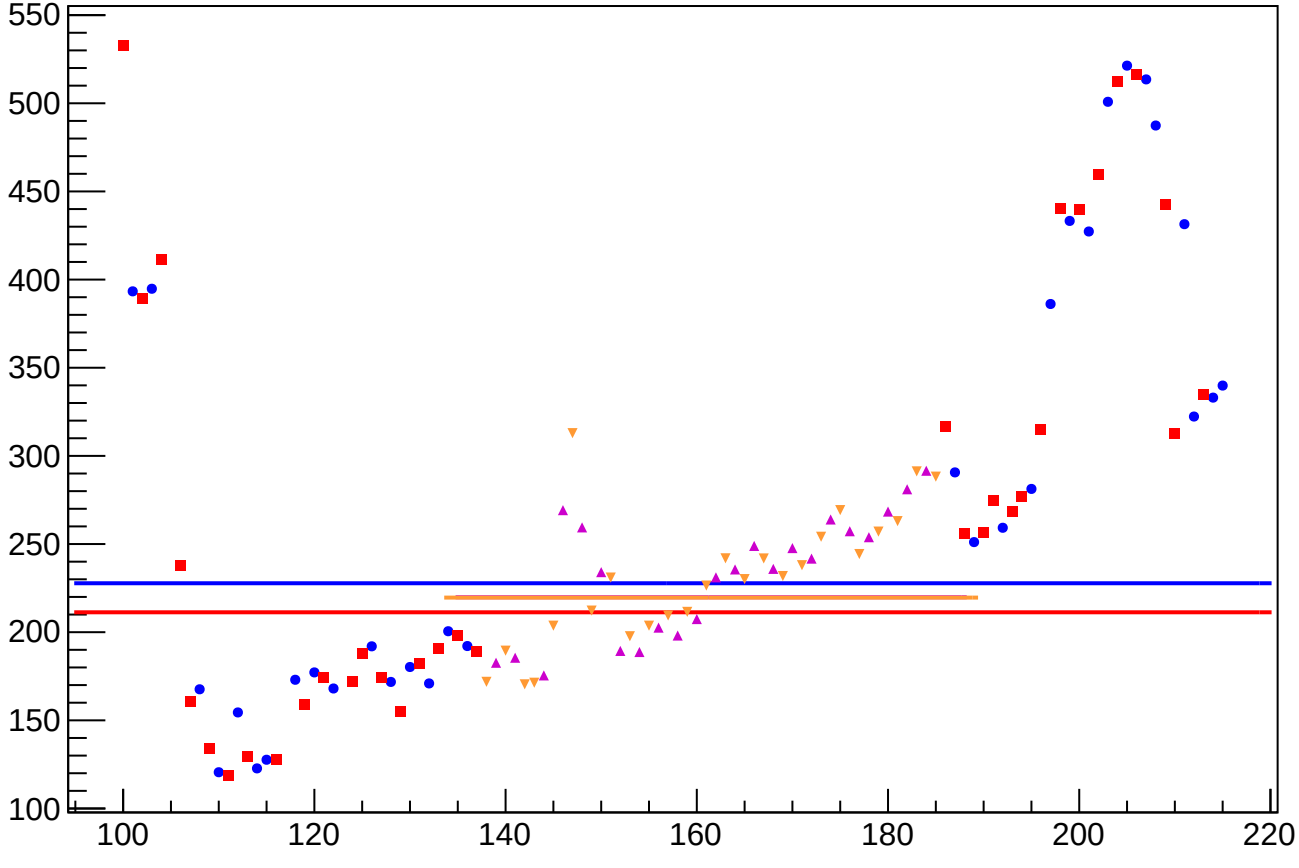
Right: 142777.710+/-0.039 χ^2/NDF: 549244185.6/6

In: 142654.553+/-0.039 χ^2/NDF:587036690.9/53

Out: 142613.718+/-0.037 χ^2/NDF:593877037.6/58

All: 142633.230+/-0.027 χ^2/NDF: 11814930

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 227.761+/-0.041 χ^2/NDF: 6331584.4/30

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 211.285+/-0.038 χ^2/NDF: 6527681.9/33

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

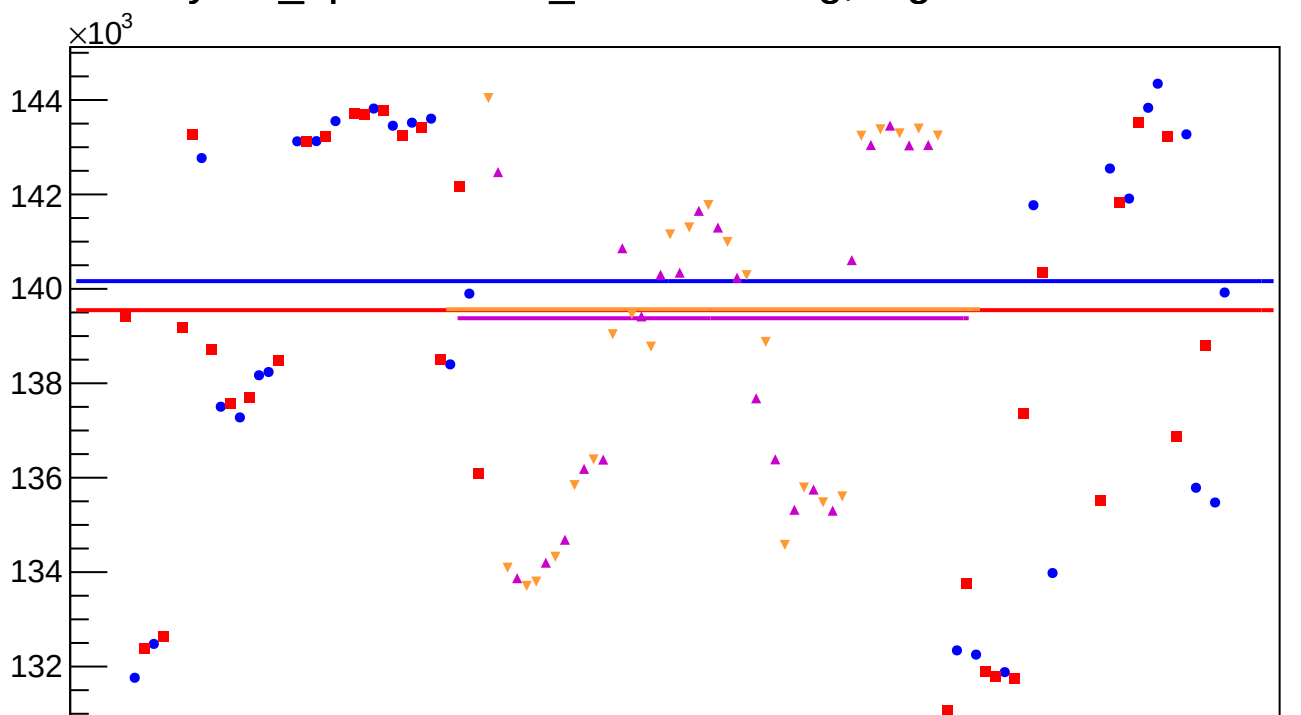
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 219.011+/-0.028 χ^2/NDF: 12946098.9/64

In: 223.411+/-0.027 χ^2/NDF:7157910.3/53

Out: 215.709+/-0.026 χ^2/NDF:7454853.2/58

All: 219.389+/-0.019 χ^2/NDF: 14653982.2/11



Right In: 140163.613+/-0.081 χ^2/NDF: 2802396582.2/30

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139548.523+/-0.081 χ^2/NDF: 2824187138.6/33

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

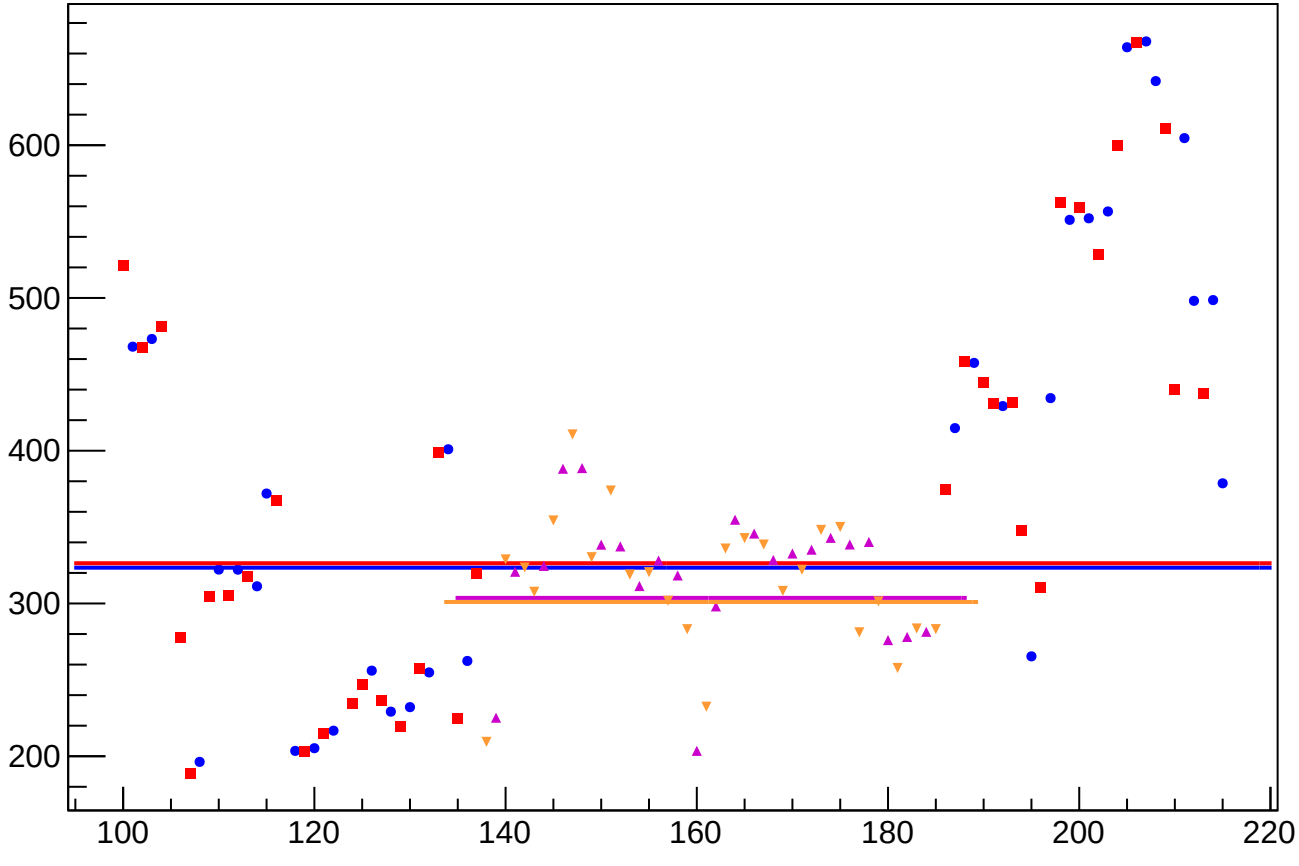
Right: 139857.863+/-0.057 χ^2/NDF: 5655328187.2/

In: 139730.164+/-0.054 χ^2/NDF:4775906170.0/53

Out: 139560.143+/-0.053 χ^2/NDF:5410861448.2/5

All: 139643.411+/-0.038 χ^2/NDF: 10191793

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 323.443+/-0.057 χ^2/NDF: 5276778.0/30

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 326.346+/-0.058 χ^2/NDF: 4509055.7/33

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

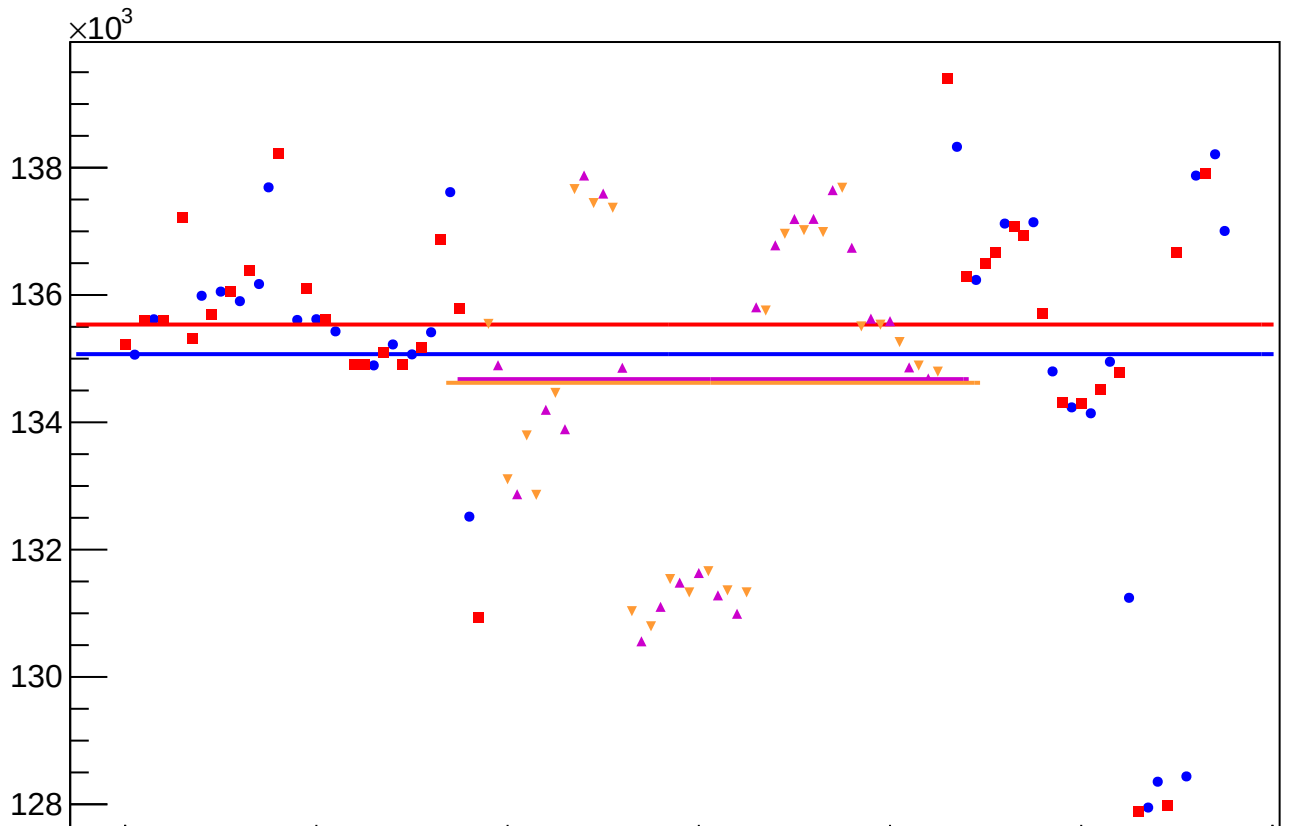
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 324.886+/-0.041 χ^2/NDF: 9787114.4/64

In: 312.533+/-0.038 χ^2/NDF:6319014.0/53

Out: 311.765+/-0.038 χ^2/NDF:5497765.4/58

All: 312.141+/-0.027 χ^2/NDF: 11816984.2/11



Right In: 135070.957+/-0.077 χ^2/NDF: 894008512.4/30

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135536.139+/-0.071 χ^2/NDF: 781674106.4/33

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

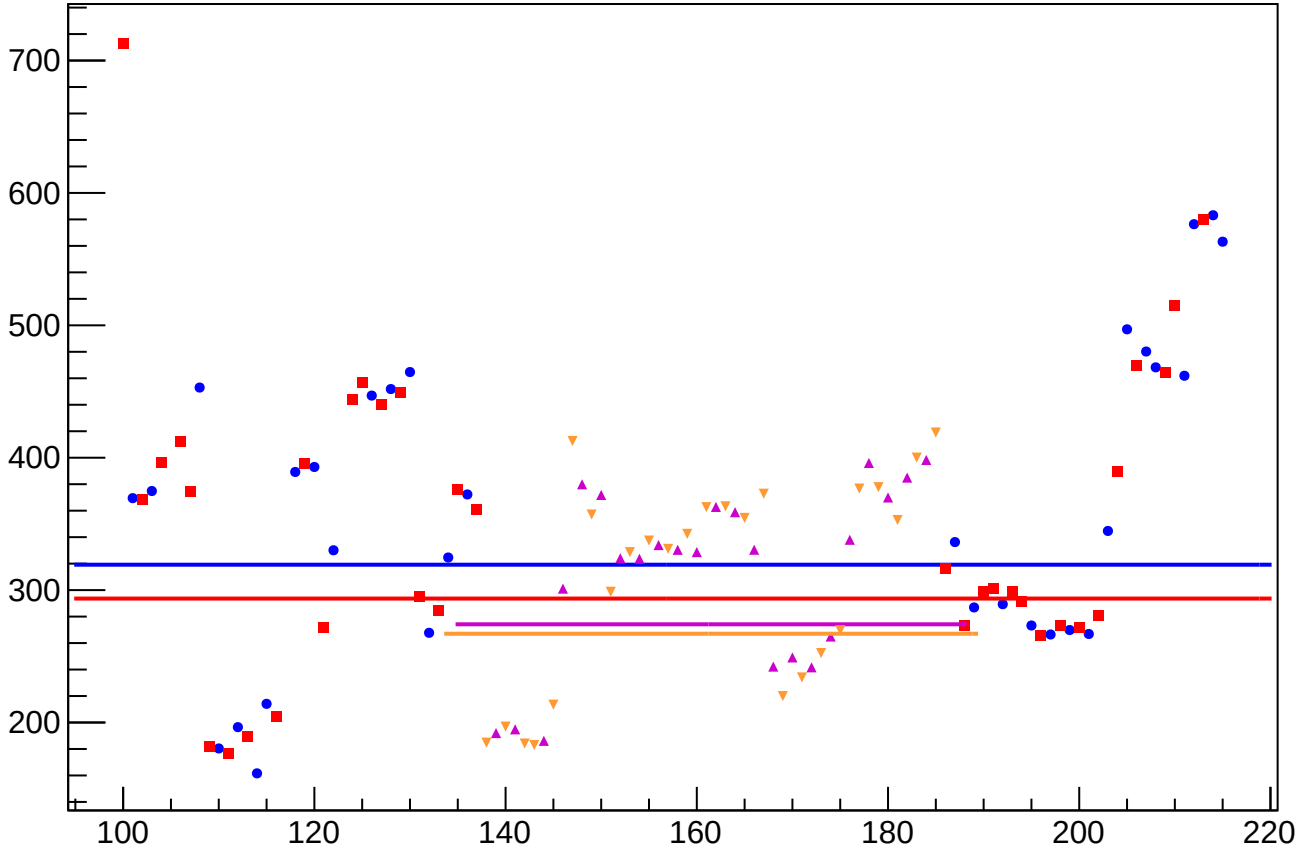
Right: 135321.536+/-0.052 χ^2/NDF: 1695238884.2/

In: 134846.797+/-0.051 χ^2/NDF:2005063496.5/53

Out: 135026.526+/-0.048 χ^2/NDF:2074527428.9/5

All: 134942.144+/-0.035 χ^2/NDF: 40862953

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 319.190+/-0.055 χ^2/NDF: 3582947.6/30

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 293.620+/-0.051 χ^2/NDF: 3202958.9/33

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

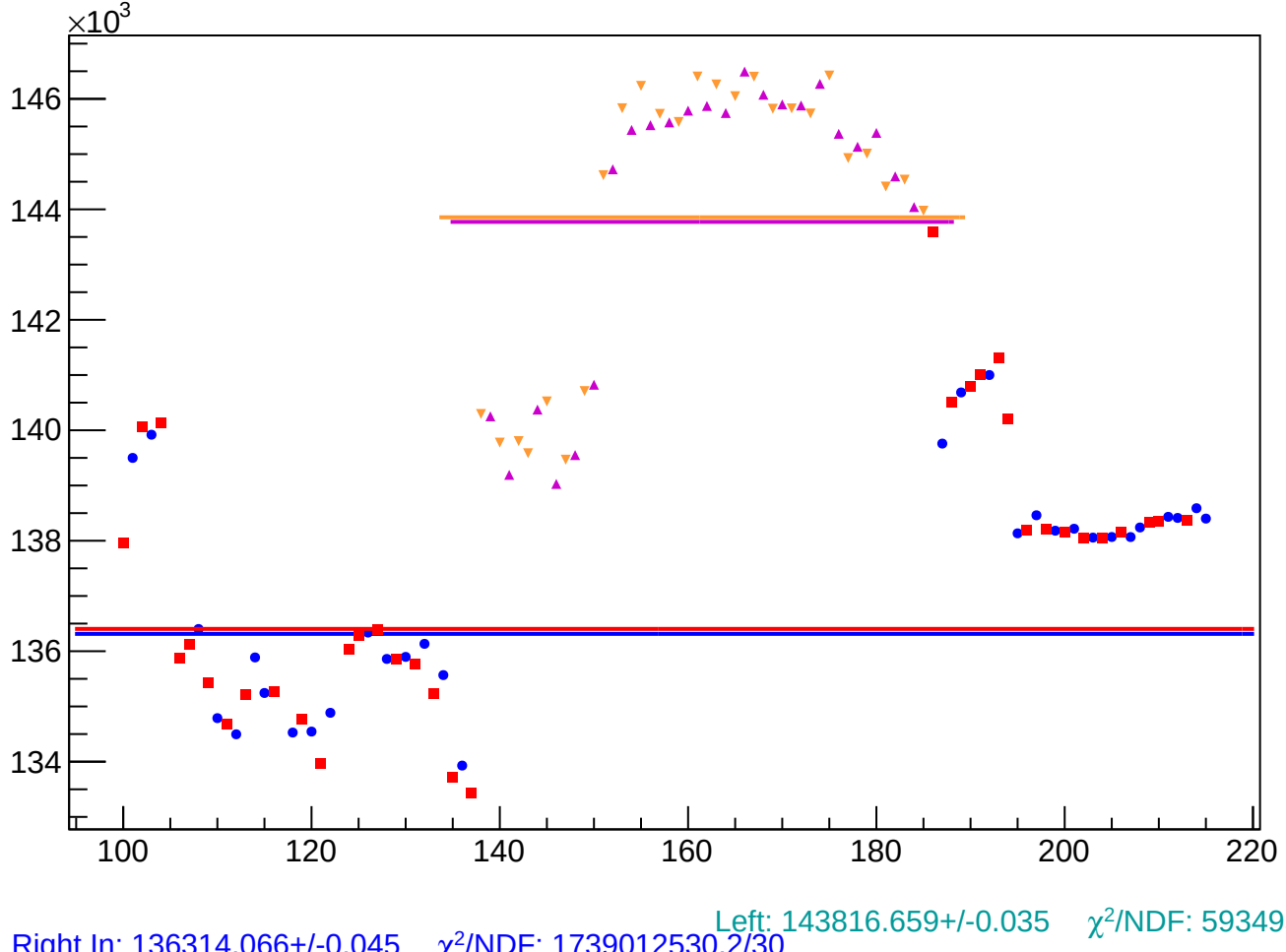
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 305.416+/-0.037 χ^2/NDF: 6904084.2/64

In: 293.480+/-0.036 χ^2/NDF:6208021.3/53

Out: 278.826+/-0.034 χ^2/NDF:6200252.9/58

All: 285.706+/-0.024 χ^2/NDF: 12497415.3/1



Right In: 136314.066+/-0.045 χ^2/NDF: 1739012530.2/30

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136403.951+/-0.044 χ^2/NDF: 2300627996.9/33

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

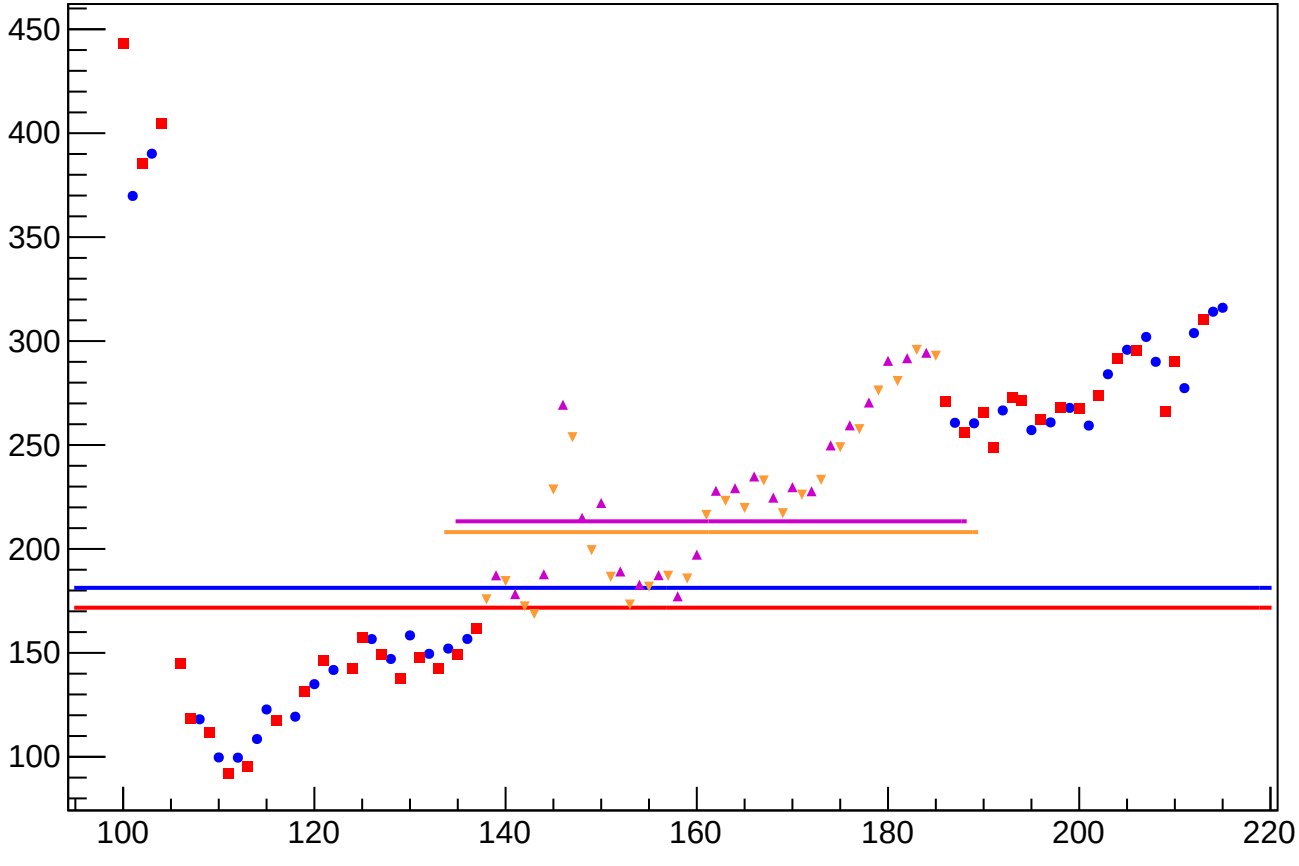
Right: 136360.717+/-0.031 χ^2/NDF: 4041678252.9/

In: 139614.501+/-0.034 χ^2/NDF:16505509056.9/5

Out: 139753.129+/-0.032 χ^2/NDF:18517701086.2

All: 139686.885+/-0.023 χ^2/NDF: 35031956

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 181.285+/-0.032 χ^2/NDF: 5829644.2/30

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 171.742+/-0.031 χ^2/NDF: 6064974.1/33

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

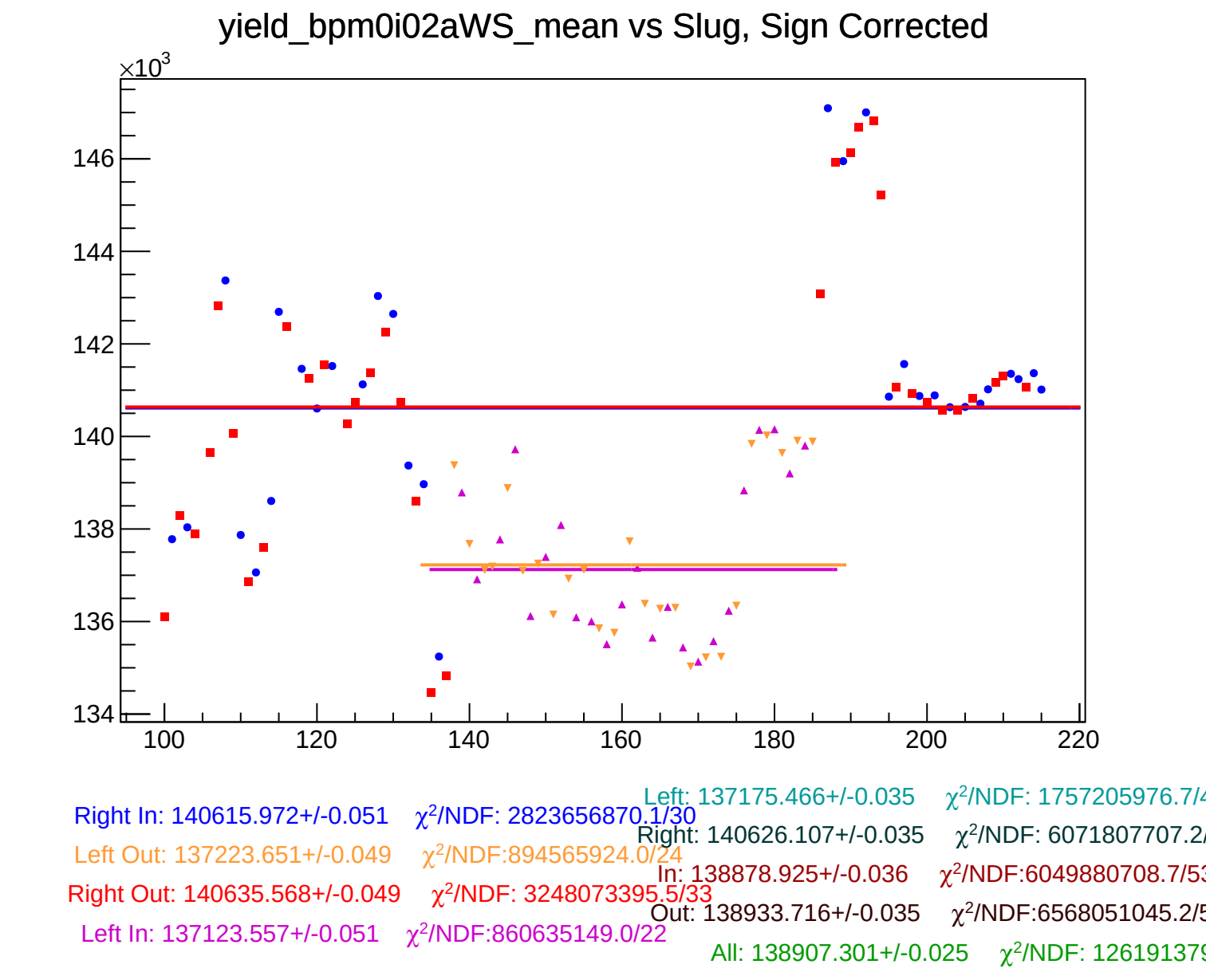
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

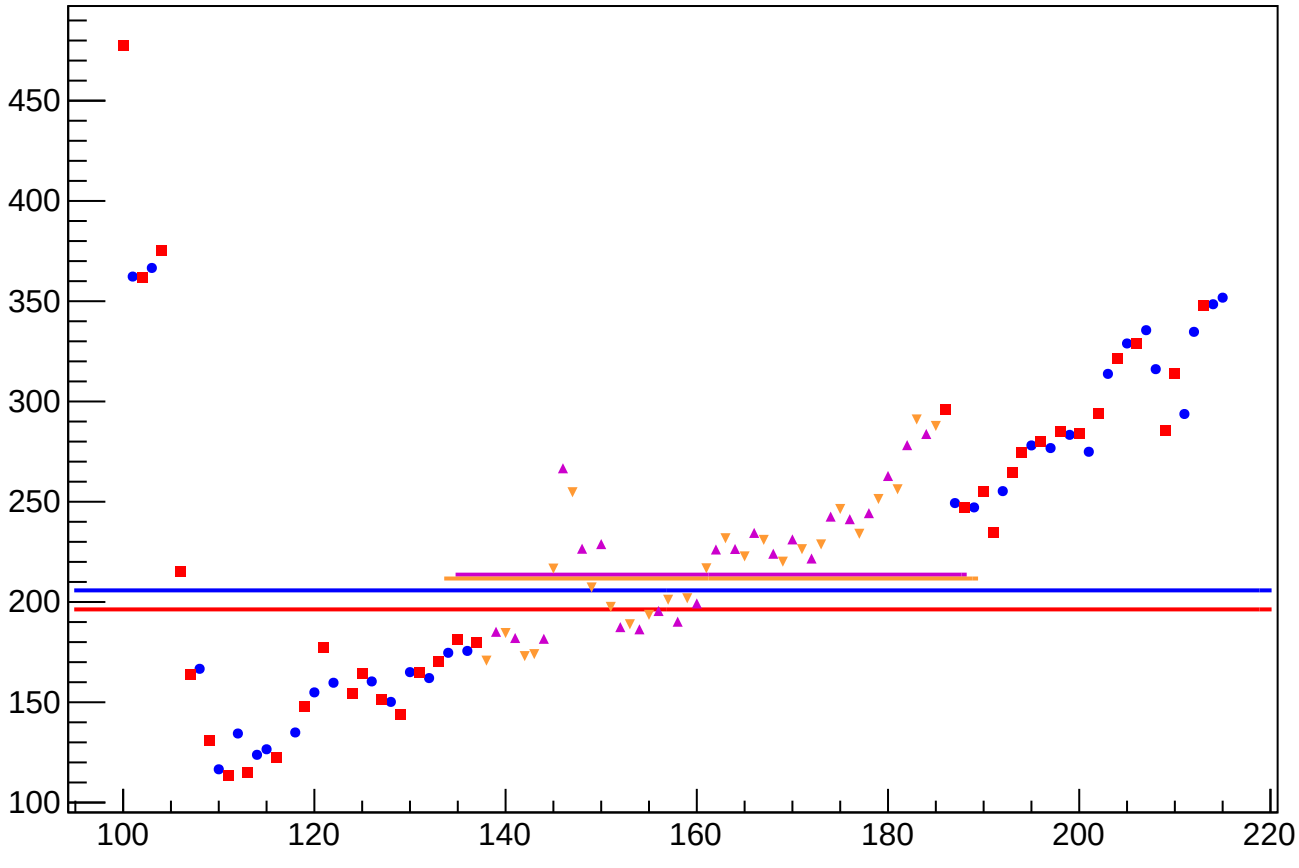
Right: 176.332+/-0.022 χ^2/NDF: 11940551.6/64

In: 195.445+/-0.024 χ^2/NDF:7135606.0/53

Out: 188.083+/-0.023 χ^2/NDF:7681038.6/58

All: 191.601+/-0.017 χ^2/NDF: 14865982.9/1


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
220
Right In: 140615.972+/-0.051 χ²/NDF: 2823656870.1/30
Left Out: 137223.651+/-0.049 χ²/NDF:894565924.0/24
Right Out: 140635.568+/-0.049 χ²/NDF: 3248073395.5/33
Left In: 137123.557+/-0.051 χ²/NDF:860635149.0/22
Left: 137175.466+/-0.035 χ²/NDF: 1757205976.7/4
Right: 140626.107+/-0.035 χ²/NDF: 6071807707.2/
In: 138878.925+/-0.036 χ²/NDF:6049880708.7/53
Out: 138933.716+/-0.035 χ²/NDF:6568051045.2/5
All: 138907.301+/-0.025 χ²/NDF: 12619137



Right In: 205.797+/-0.036 χ^2/NDF: 4677903.8/30

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 196.307+/-0.035 χ^2/NDF: 4775614.6/33

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

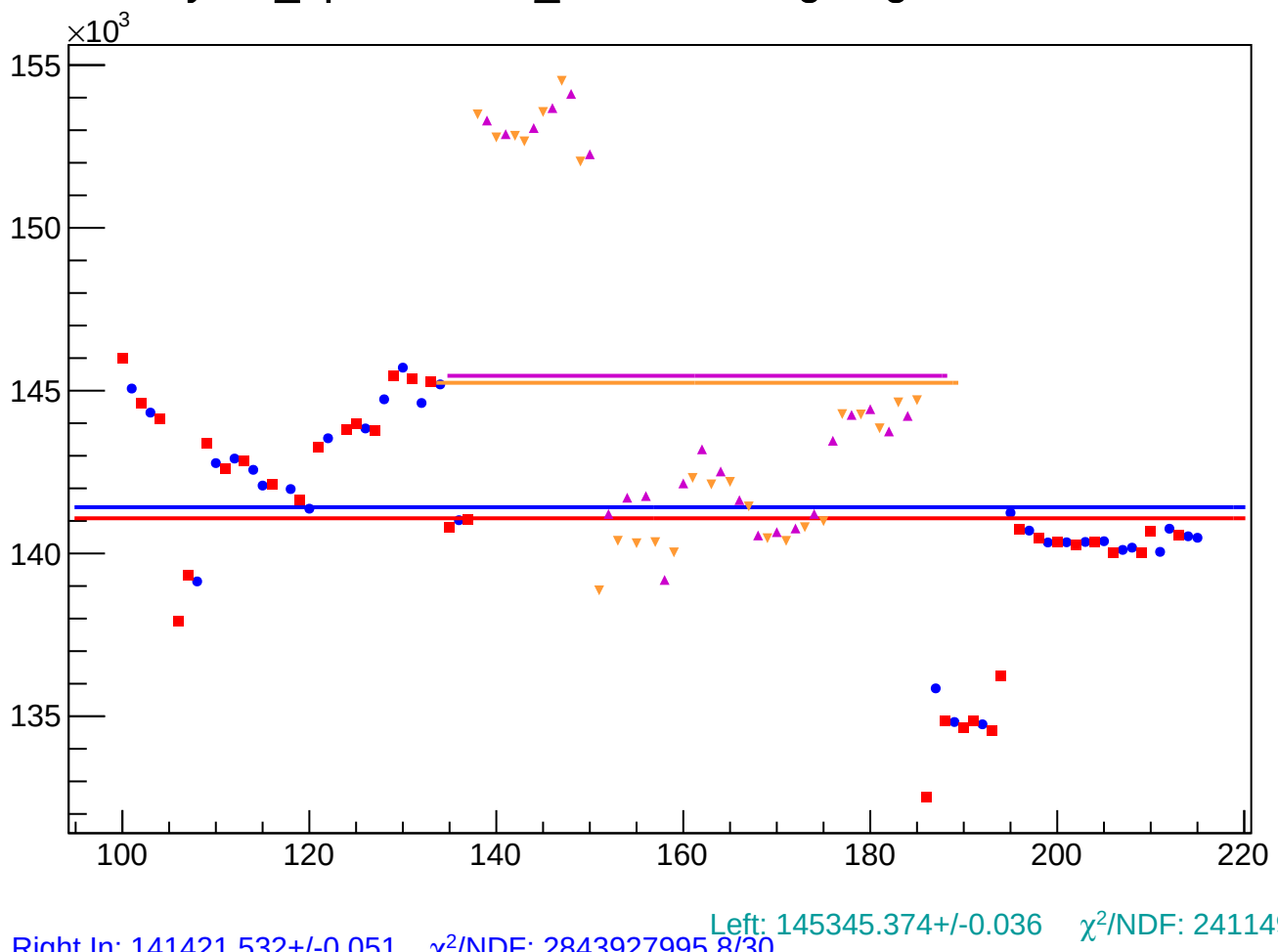
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 200.889+/-0.025 χ^2/NDF: 9489843.8/64

In: 209.698+/-0.025 χ^2/NDF:5323101.4/53

Out: 203.992+/-0.024 χ^2/NDF:5550114.2/58

All: 206.743+/-0.018 χ^2/NDF: 10899382.7/11



Right In: 141421.532+/-0.051 χ^2/NDF: 2843927995.8/30

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141080.843+/-0.048 χ^2/NDF: 4427769053.0/33

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

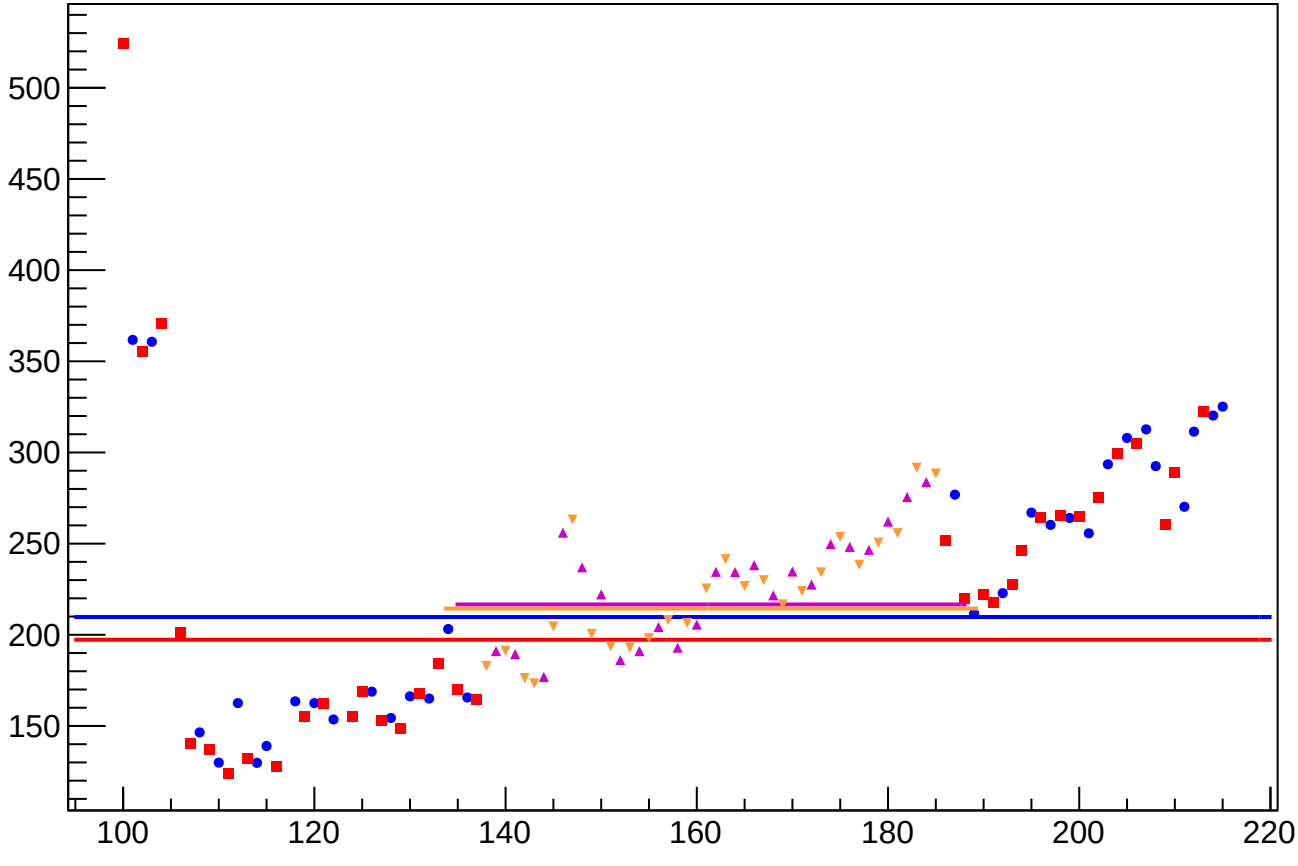
Right: 141242.918+/-0.035 χ^2/NDF: 7295423688.7/

In: 143402.158+/-0.036 χ^2/NDF:17033160062.5/5

Out: 143102.930+/-0.035 χ^2/NDF:21076623815.8

All: 143246.001+/-0.025 χ^2/NDF: 38145566

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 209.759+/-0.036 χ^2/NDF: 3366478.0/30

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 197.285+/-0.034 χ^2/NDF: 3460030.6/33

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

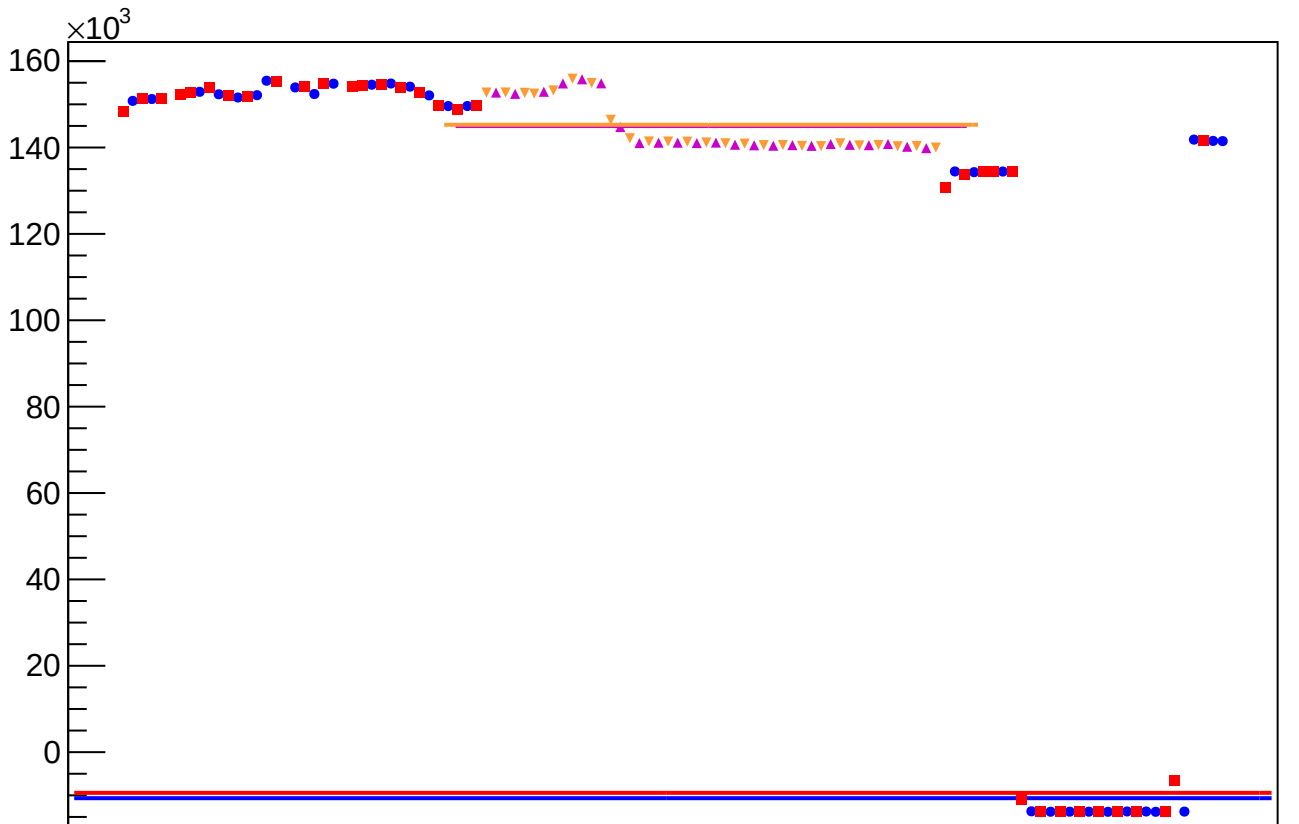
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 203.219+/-0.025 χ^2/NDF: 6890122.4/64

In: 213.143+/-0.026 χ^2/NDF:3971843.2/53

Out: 205.597+/-0.024 χ^2/NDF:4225607.8/58

All: 209.205+/-0.018 χ^2/NDF: 8242968.4/112



Right In: -10661.166+/-0.009 χ^2/NDF: 6498989865505.2/30

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9419.032+/-0.009 χ^2/NDF: 7341263408450.8/33

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

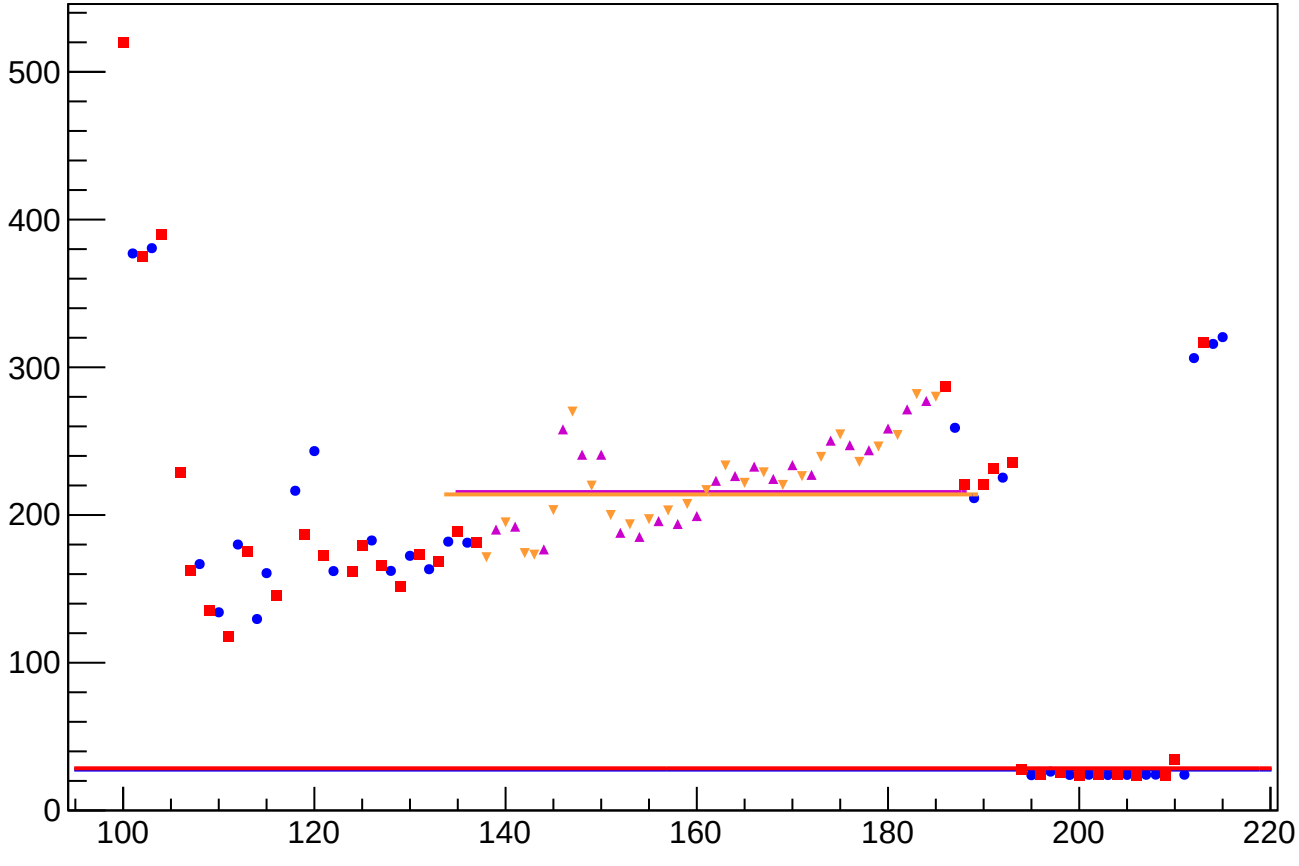
Right: -10084.063+/-0.006 χ^2/NDF: 138496377872

In: -6255.486+/-0.009 χ^2/NDF:15488275639285.

Out: -4031.052+/-0.009 χ^2/NDF:16823588398949

All: -5218.273+/-0.006 χ^2/NDF: 3234294890

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.663+/-0.006 χ^2/NDF: 17069043.1/30

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.535+/-0.007 χ^2/NDF: 15946854.2/33

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

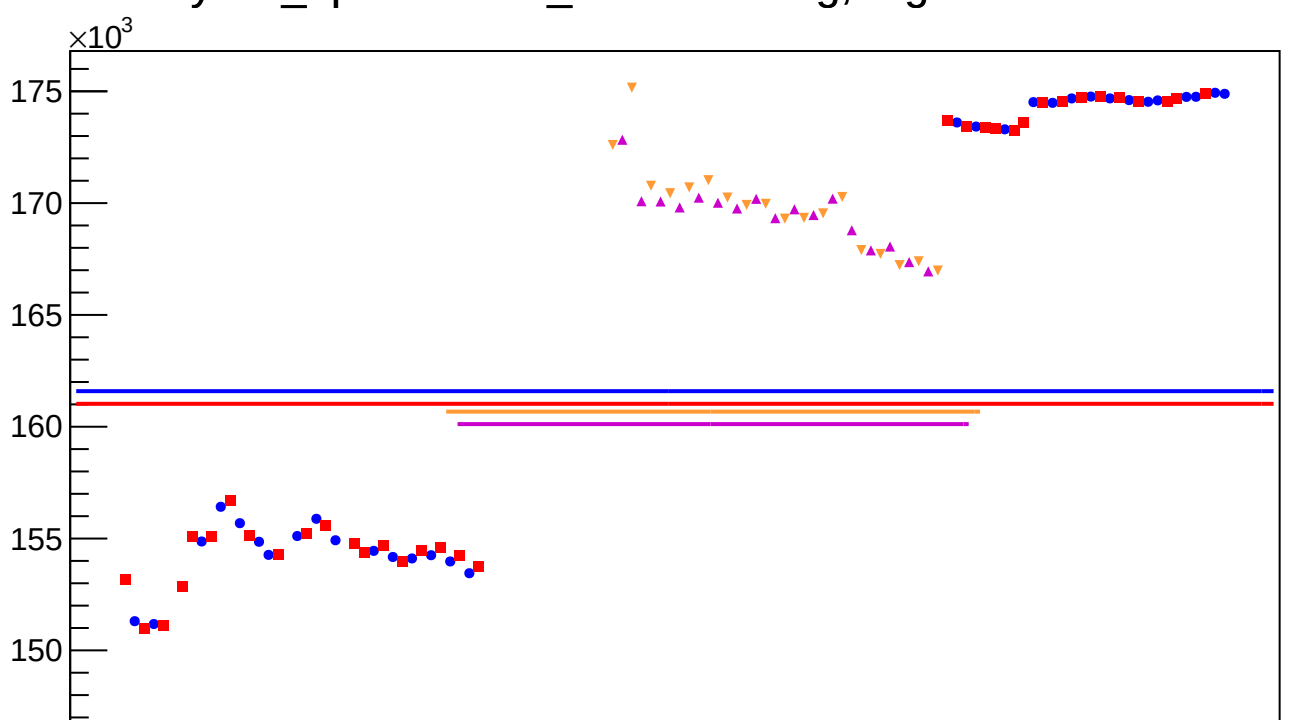
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.068+/-0.005 χ^2/NDF: 33025147.0/64

In: 32.981+/-0.006 χ^2/NDF:43832611.0/53

Out: 34.993+/-0.007 χ^2/NDF:43805299.9/58

All: 33.919+/-0.004 χ^2/NDF: 87688755.2/112



Right In: 161591.081+/-0.053 χ^2/NDF: 32120039589.3/30

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 161024.956+/-0.050 χ^2/NDF: 32788193605.7/33

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

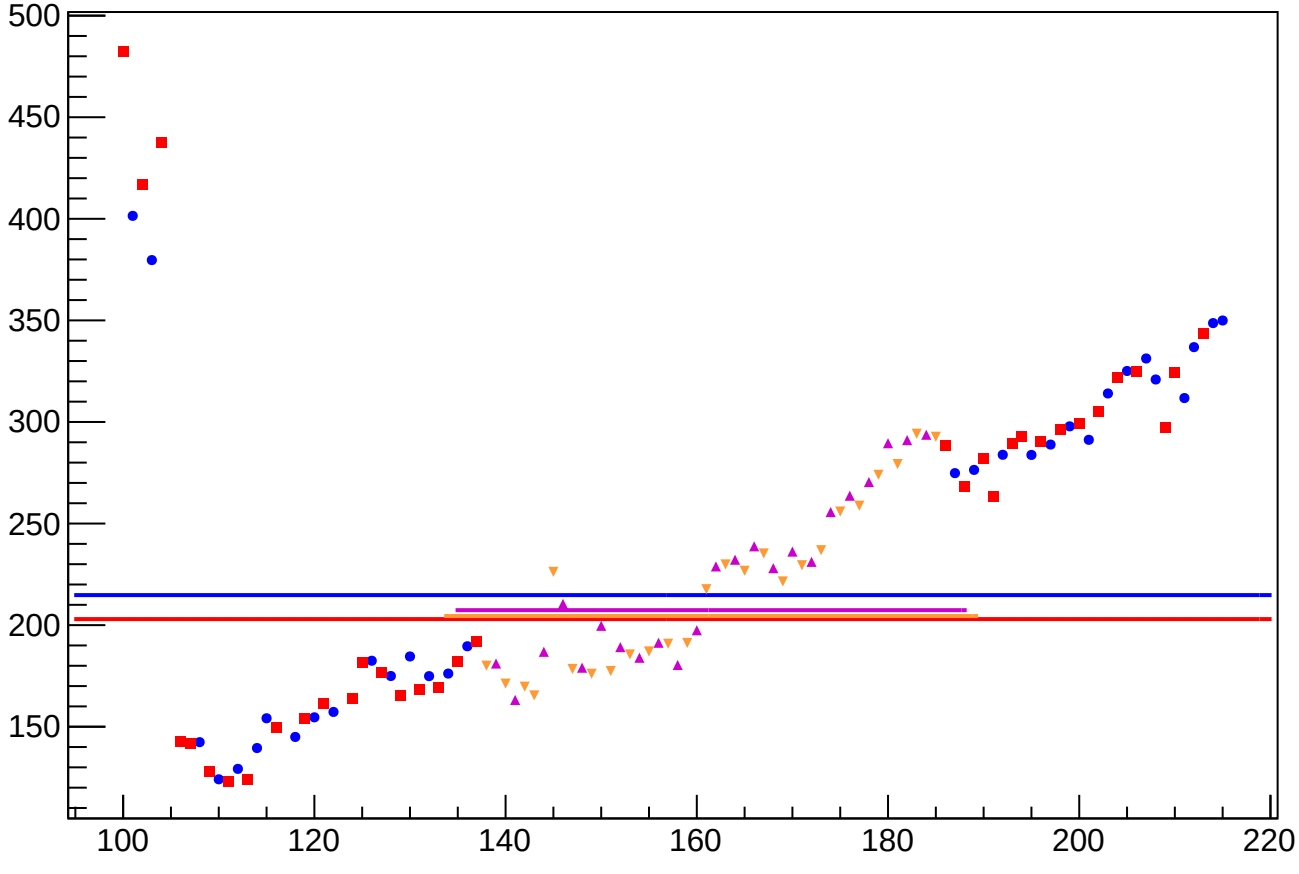
Right: 161295.252+/-0.036 χ^2/NDF: 64968648367.

In: 160807.350+/-0.036 χ^2/NDF:99089858078.3/

Out: 160839.377+/-0.035 χ^2/NDF:106968979884.

All: 160824.055+/-0.025 χ^2/NDF: 20605925

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 214.785+/-0.037 χ^2/NDF: 4579392.9/30

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 202.976+/-0.036 χ^2/NDF: 4850754.7/33

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

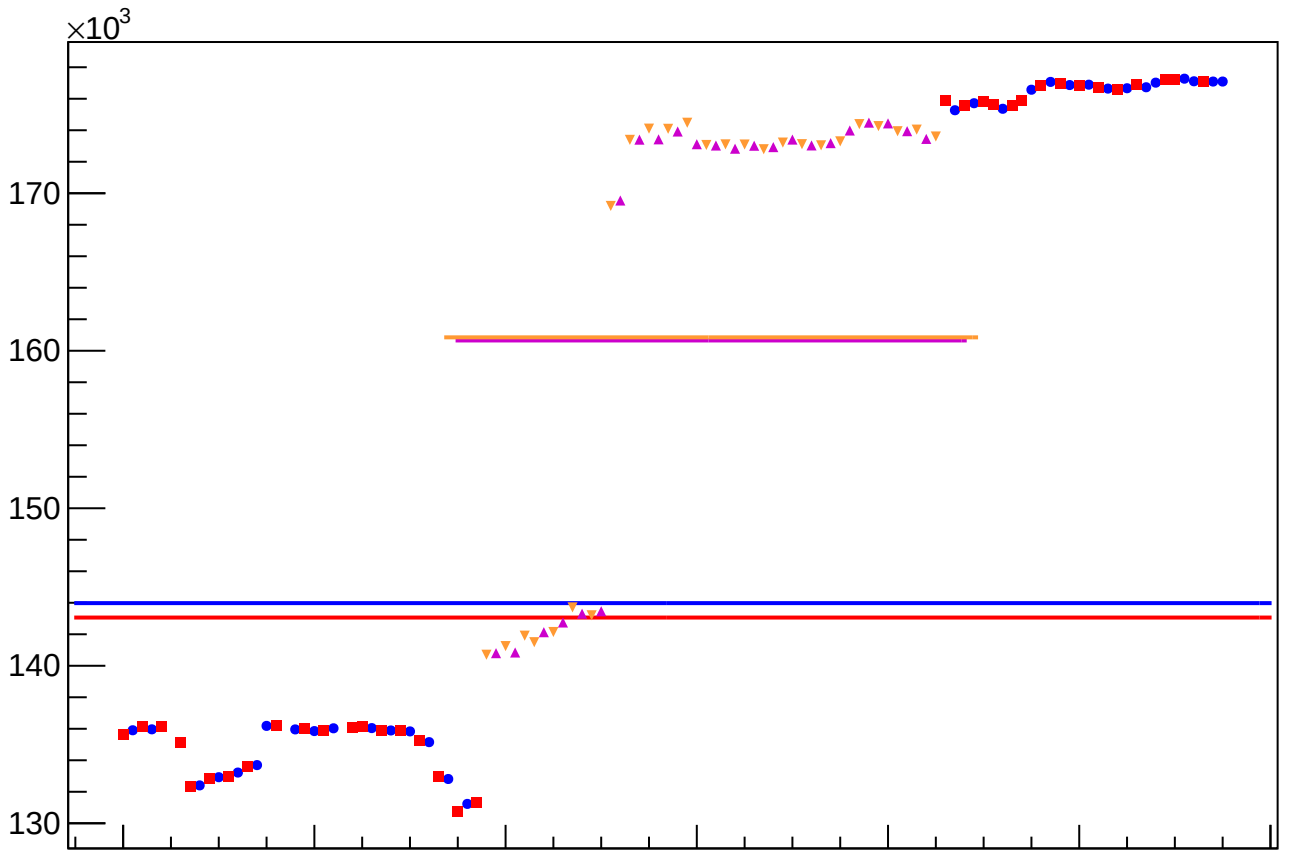
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 208.614+/-0.026 χ^2/NDF: 9482724.3/64

In: 210.840+/-0.025 χ^2/NDF:5557143.6/53

Out: 203.771+/-0.024 χ^2/NDF:5924895.9/58

All: 207.153+/-0.018 χ^2/NDF: 11522211.8/1



Right In: 143977.525+/-0.045 χ^2/NDF: 160391418721.4/30

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 143061.473+/-0.043 χ^2/NDF: 164224077309.3/33

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

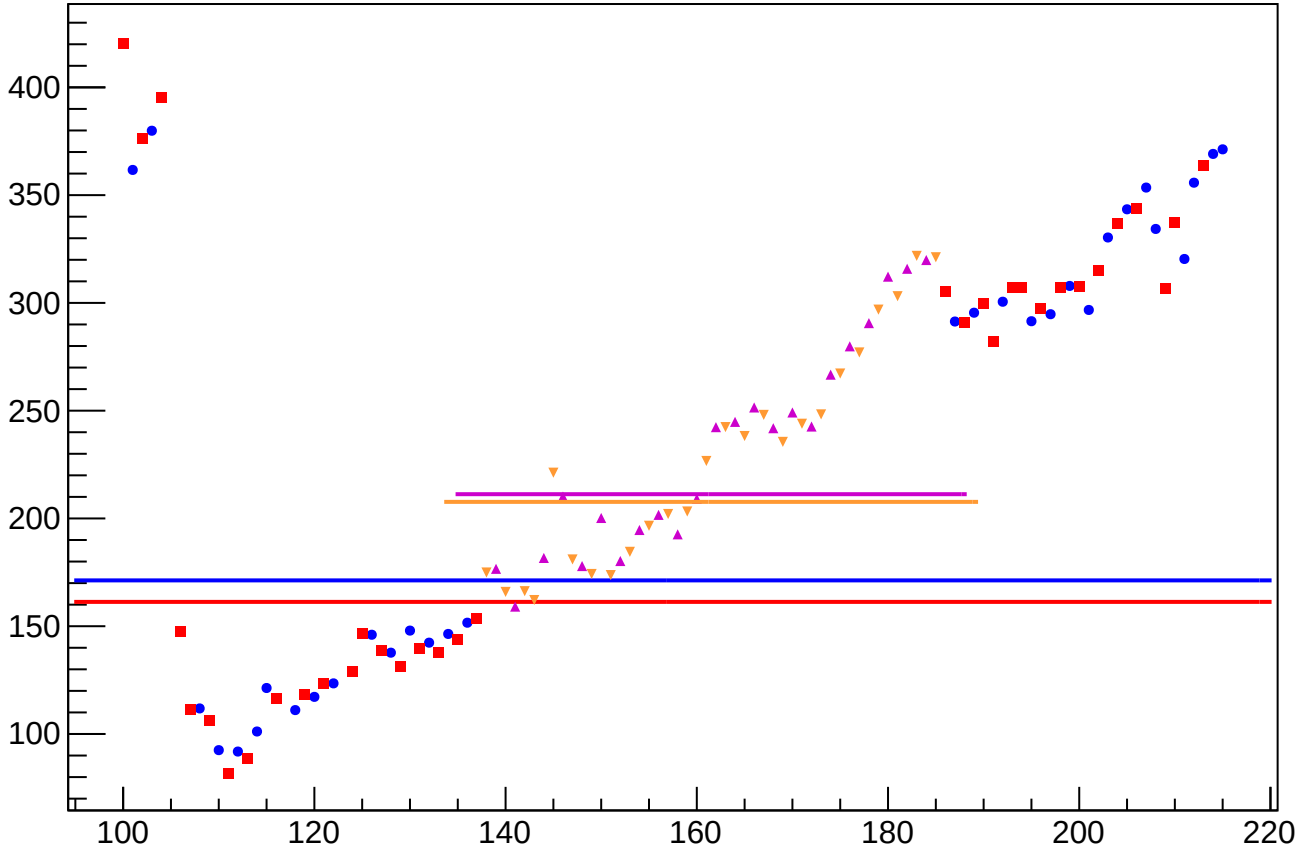
Right: 143498.724+/-0.031 χ^2/NDF: 324835673690

In: 151273.855+/-0.033 χ^2/NDF:311622807084.0

Out: 150832.364+/-0.032 χ^2/NDF:339417408461.

All: 151043.233+/-0.023 χ^2/NDF: 651131083

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 171.263+/-0.032 χ^2/NDF: 8413296.9/30

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 161.289+/-0.030 χ^2/NDF: 8550350.6/33

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

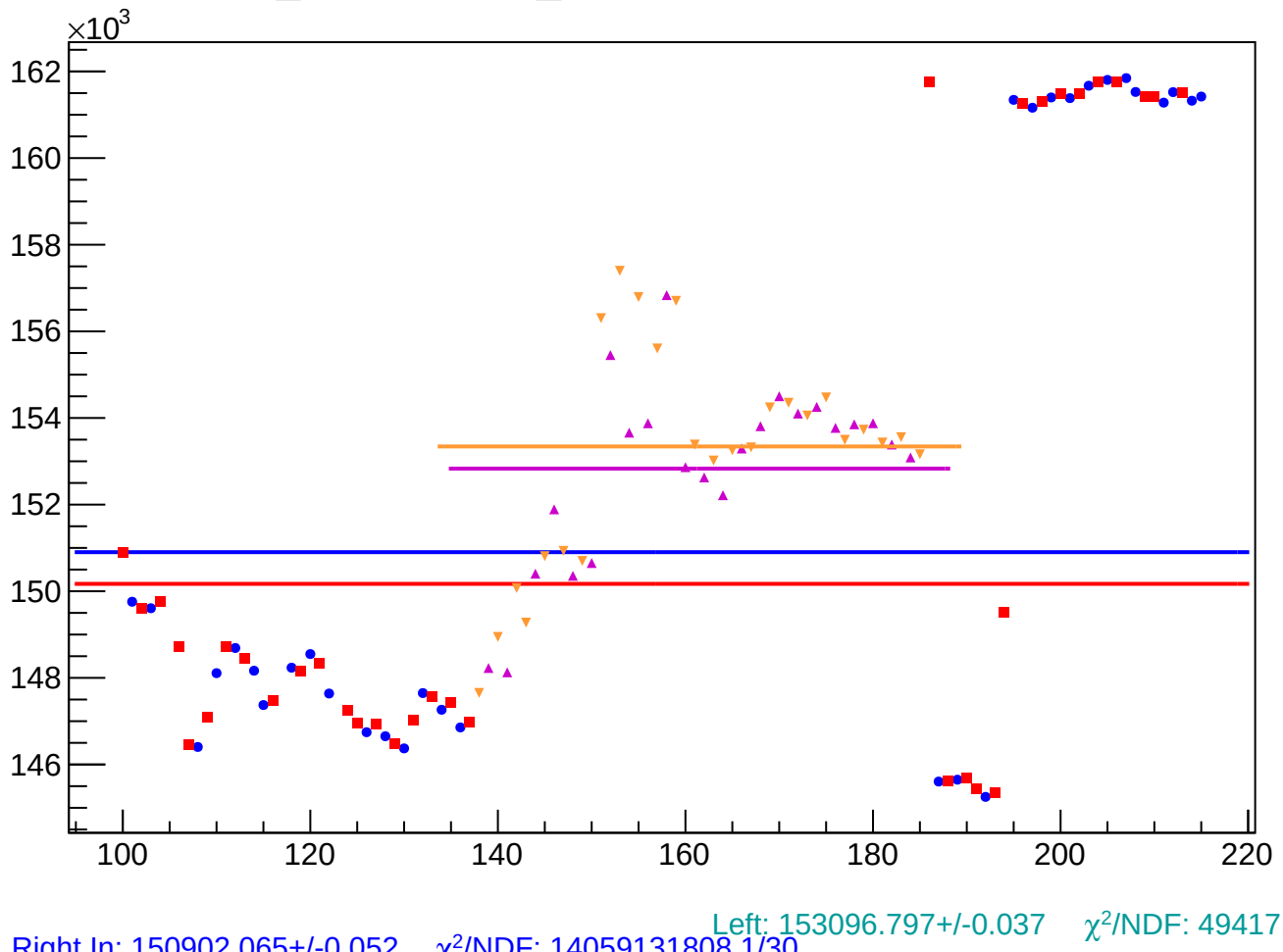
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 166.050+/-0.022 χ^2/NDF: 17015853.1/64

In: 188.760+/-0.024 χ^2/NDF:10421541.0/53

Out: 181.558+/-0.023 χ^2/NDF:11085005.1/58

All: 184.998+/-0.016 χ^2/NDF: 21554914.2/11



Right In: 150902.065+/-0.052 χ^2/NDF: 14059131808.1/30

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 150170.392+/-0.049 χ^2/NDF: 12488569943.7/33

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

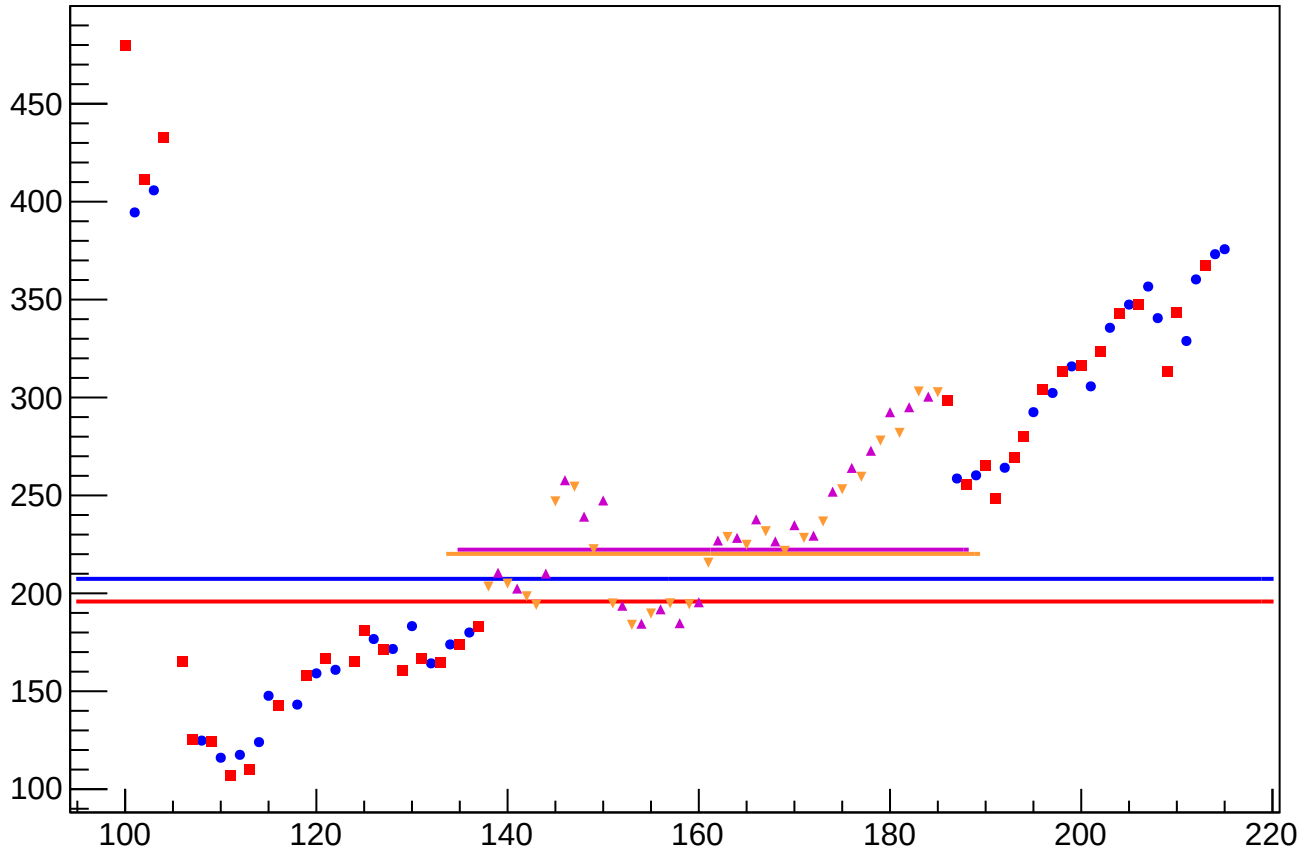
Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

Right: 150519.078+/-0.036 χ^2/NDF: 26652325540.4

In: 151847.415+/-0.037 χ^2/NDF:16654500908.2/5

Out: 151711.511+/-0.035 χ^2/NDF:17471981516.3

All: 151776.552+/-0.026 χ^2/NDF: 34133532



Right In: 207.396+/-0.037 χ^2/NDF: 5750932.5/30

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 195.824+/-0.035 χ^2/NDF: 5800736.4/33

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

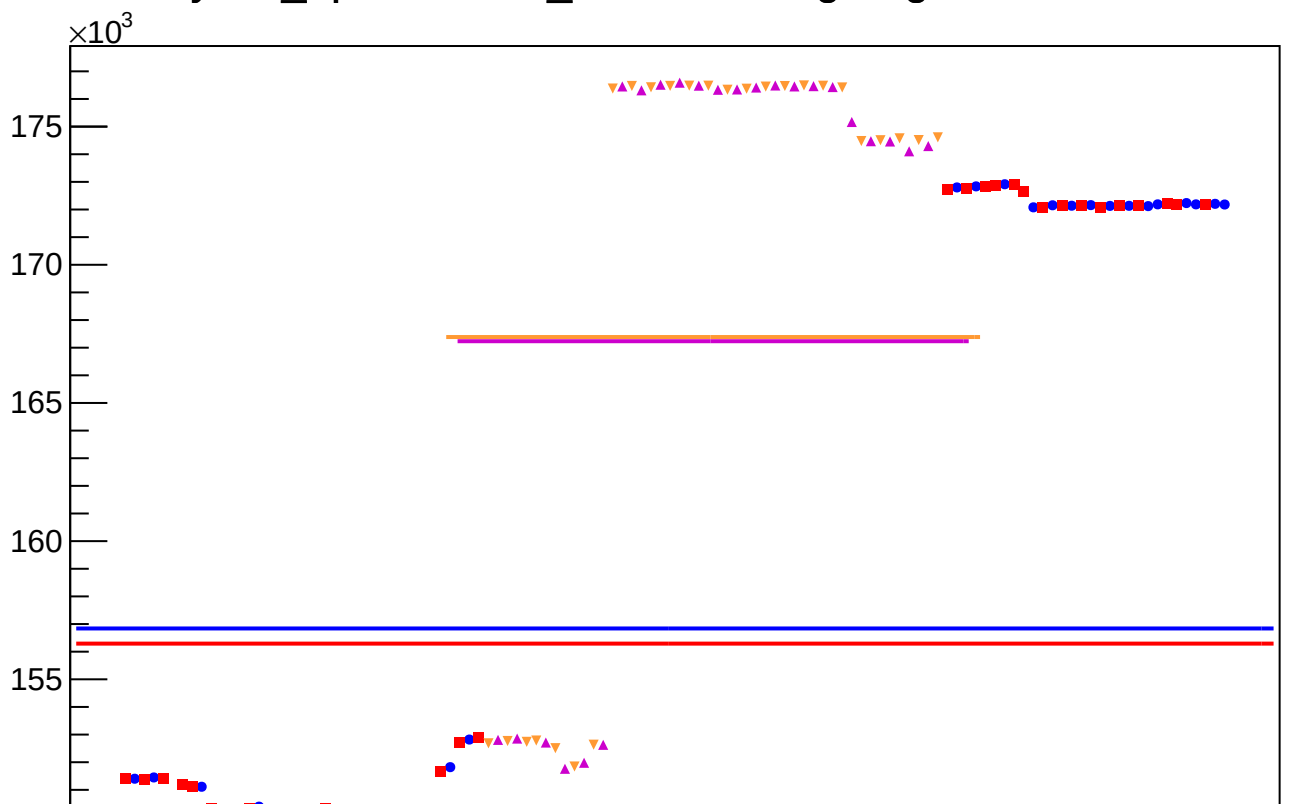
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 201.339+/-0.025 χ^2/NDF: 11604012.1/64

In: 214.701+/-0.026 χ^2/NDF:6529855.0/53

Out: 207.645+/-0.025 χ^2/NDF:6722235.0/58

All: 211.022+/-0.018 χ^2/NDF: 13290095.3/11



Right In: 156839.818+/-0.046 χ^2/NDF: 45893971197.2/30

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156291.720+/-0.044 χ^2/NDF: 48284112681.2/33

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

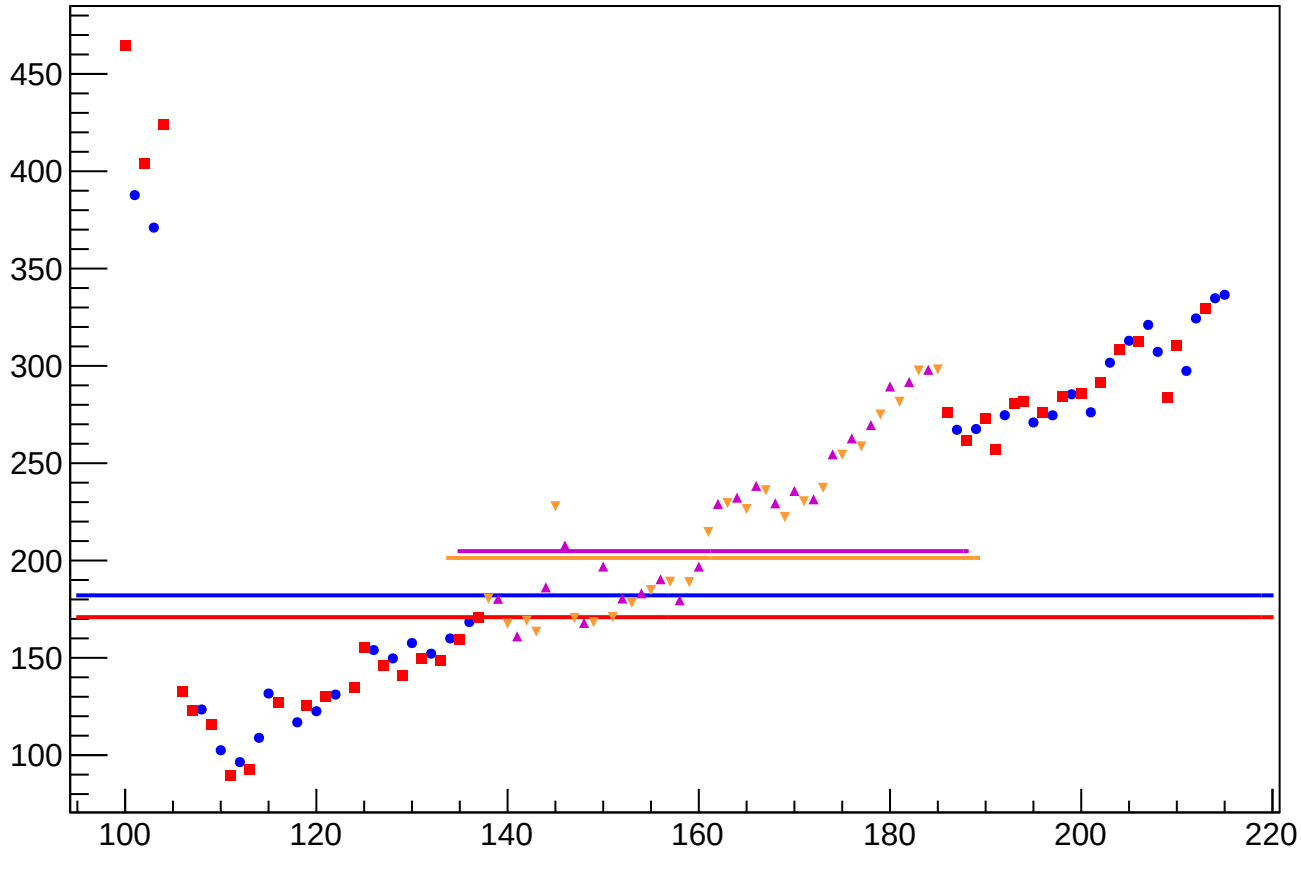
Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

Right: 156551.880+/-0.032 χ^2/NDF: 94252500069.

In: 161728.636+/-0.034 χ^2/NDF:124954649113.8

Out: 161476.347+/-0.032 χ^2/NDF:137903568292.

All: 161596.452+/-0.023 χ^2/NDF: 26288790



Right In: 182.100+/-0.033 χ^2/NDF: 6517976.1/30

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 170.902+/-0.031 χ^2/NDF: 6816309.7/33

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

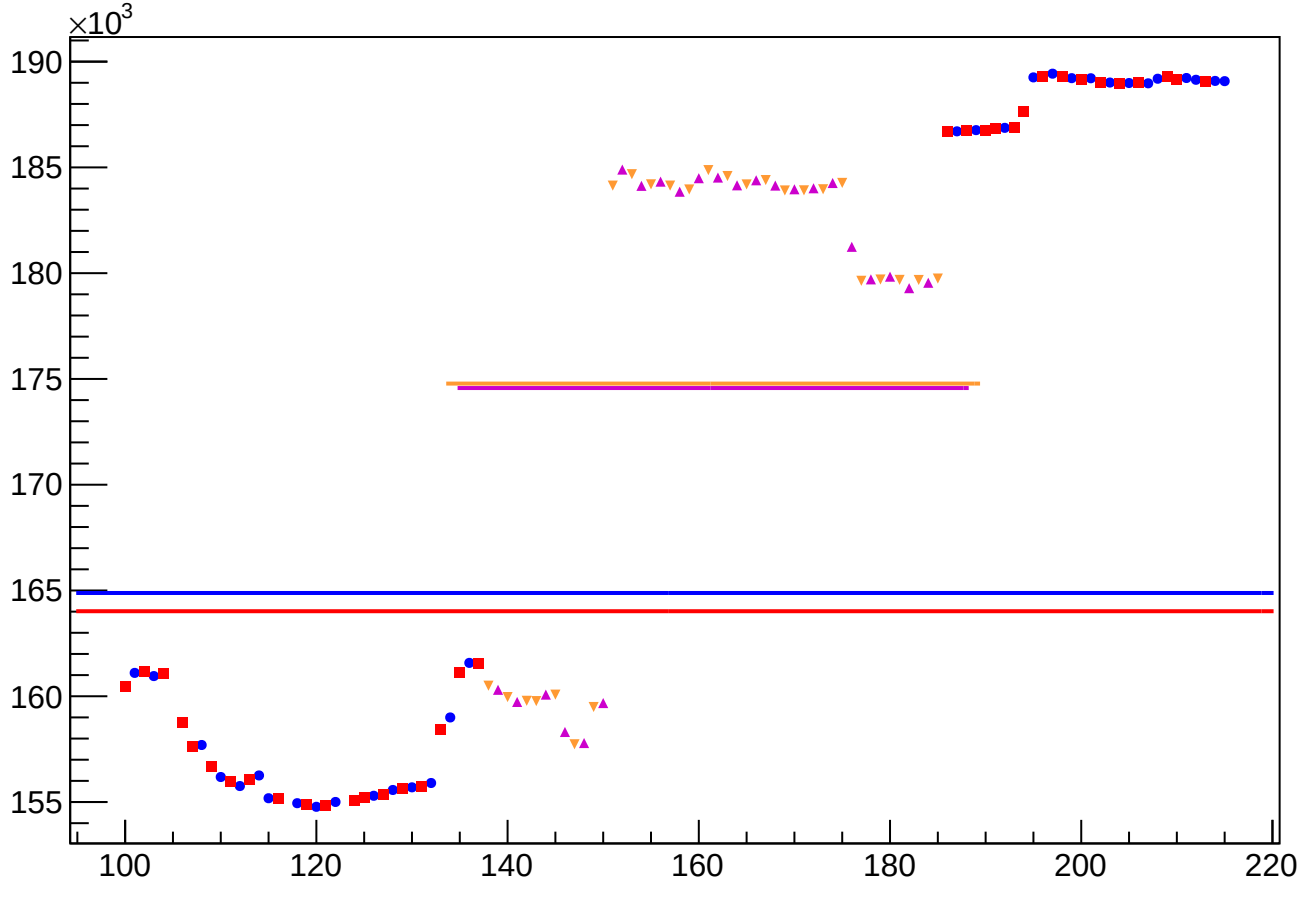
Right: 176.217+/-0.022 χ^2/NDF: 13396410.0/64

In: 192.789+/-0.024 χ^2/NDF:7800186.1/53

Out: 185.122+/-0.023 χ^2/NDF:8498553.4/58

All: 188.772+/-0.016 χ^2/NDF: 16353575.2/1

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 164882.045+/-0.049 χ^2/NDF: 85448308002.2/30

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 164019.849+/-0.046 χ^2/NDF: 86719899204.8/33

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

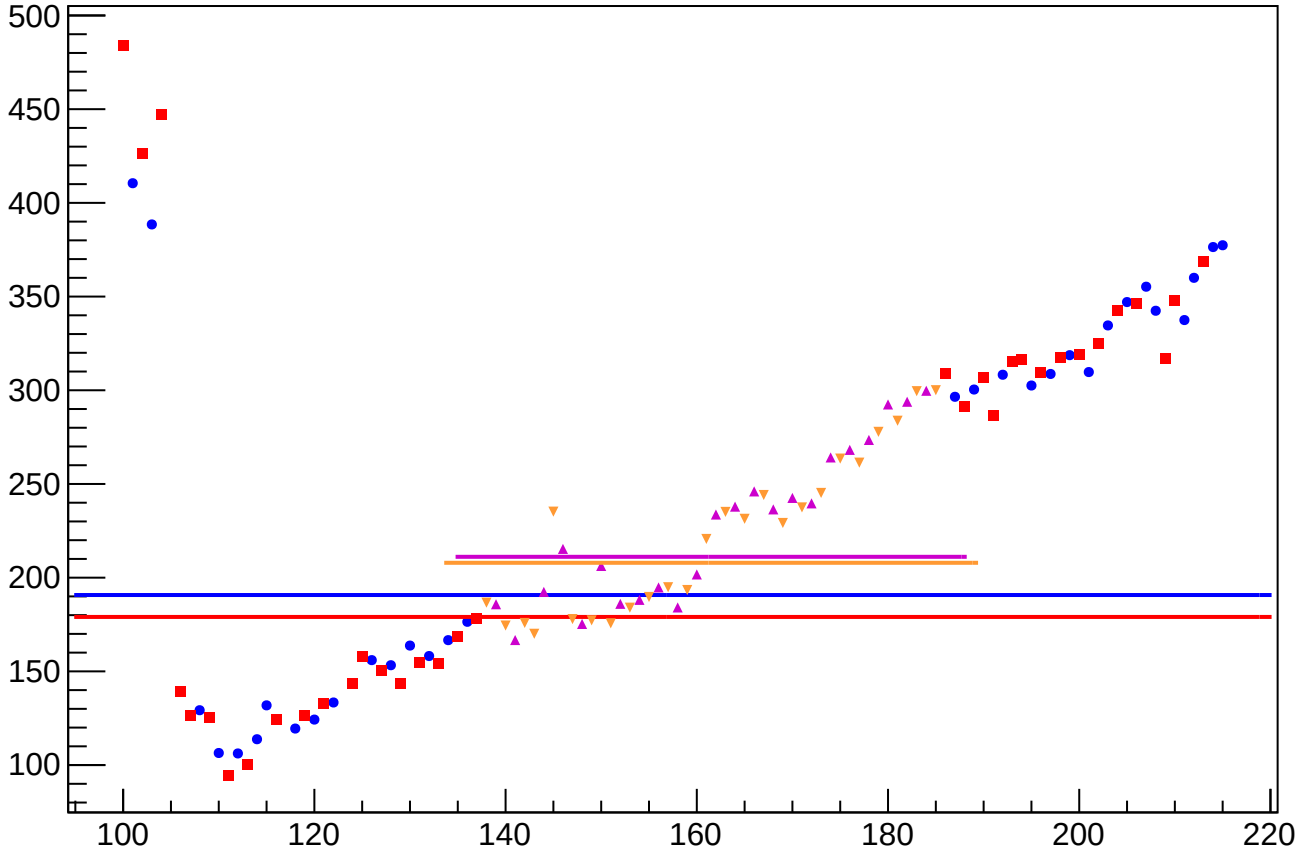
Right: 164428.755+/-0.034 χ^2/NDF: 17233188098

In: 169582.513+/-0.035 χ^2/NDF:159276945543.6

Out: 169196.246+/-0.033 χ^2/NDF:170712260225.

All: 169380.210+/-0.024 χ^2/NDF: 330052773

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 190.742+/-0.035 χ^2/NDF: 7312620.7/30

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 179.044+/-0.033 χ^2/NDF: 7541424.3/33

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

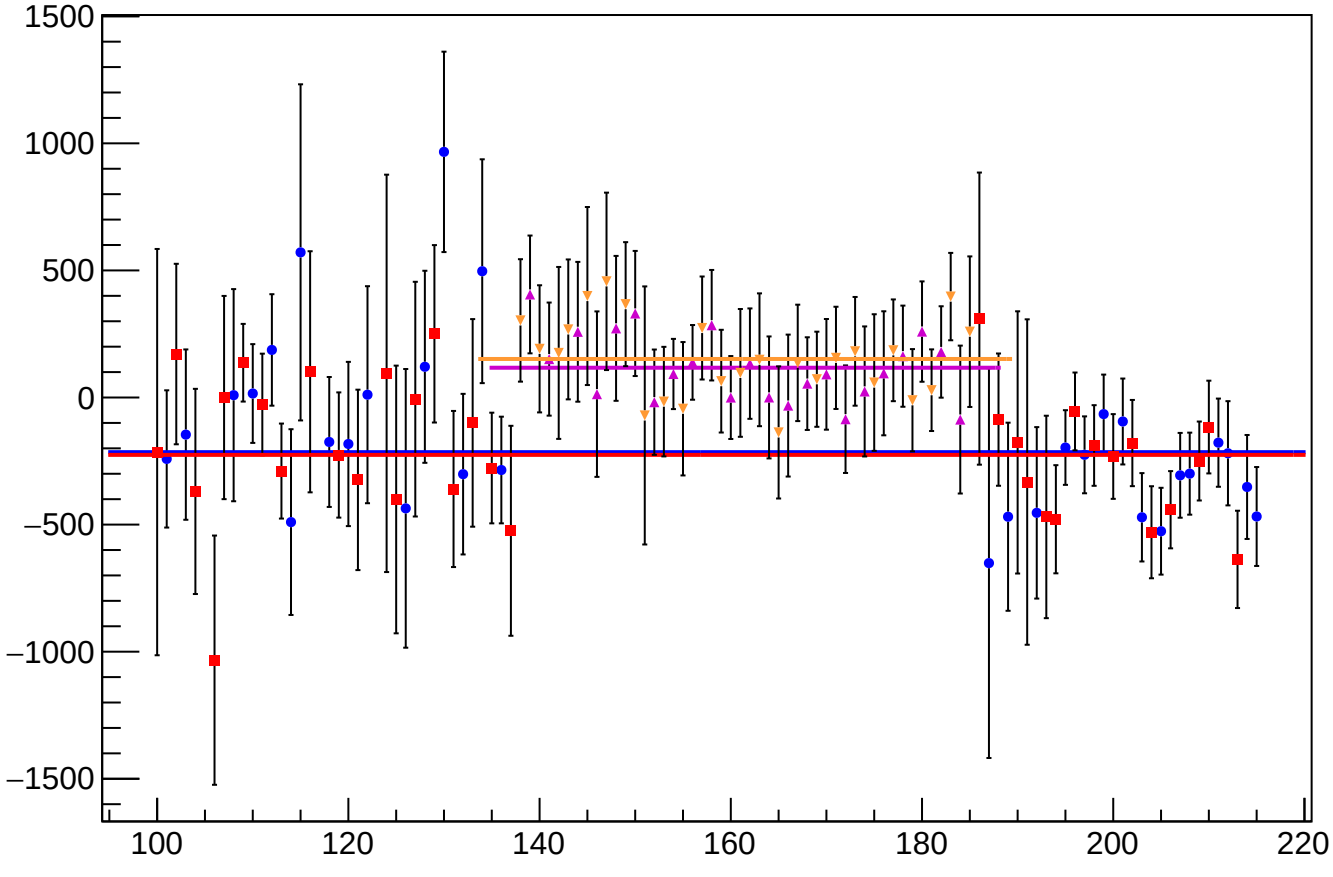
Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

Right: 184.592+/-0.024 χ^2/NDF: 14914303.8/64

In: 200.636+/-0.025 χ^2/NDF:8475315.3/53

Out: 192.944+/-0.024 χ^2/NDF:9046477.8/58

All: 196.607+/-0.017 χ^2/NDF: 17572204.0/1



Right In: -215.063+/-40.698 χ^2/NDF: 31.1/30

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -225.653+/-41.124 χ^2/NDF: 29.1/33

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

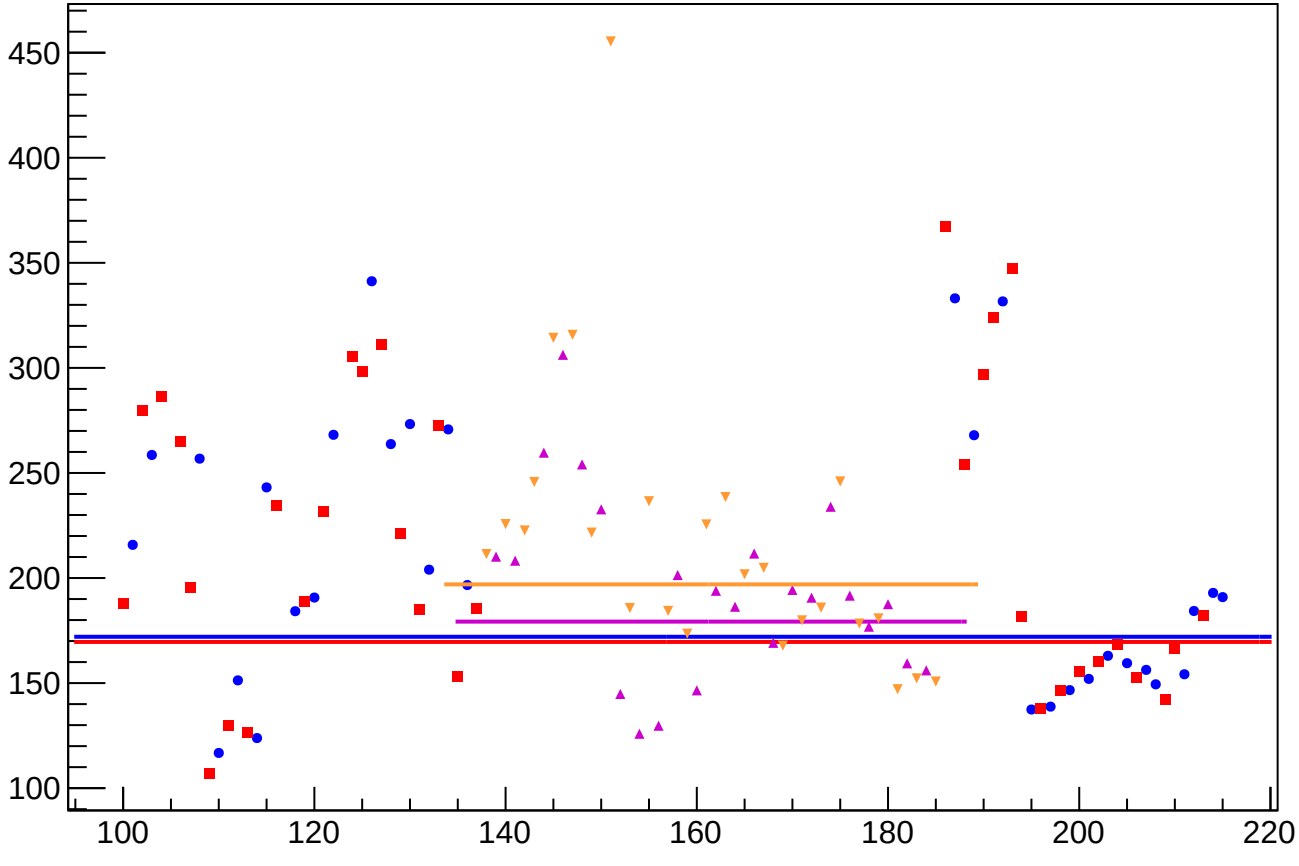
Right: -220.303+/-28.927 χ^2/NDF: 60.3/64

In: -61.049+/-29.807 χ^2/NDF:69.5/53

Out: -59.763+/-30.782 χ^2/NDF:75.7/58

All: -60.426+/-21.413 χ^2/NDF: 145.2/112

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 172.042+/-0.029 χ^2/NDF: 2308374.2/30

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 169.585+/-0.029 χ^2/NDF: 2972086.8/33

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

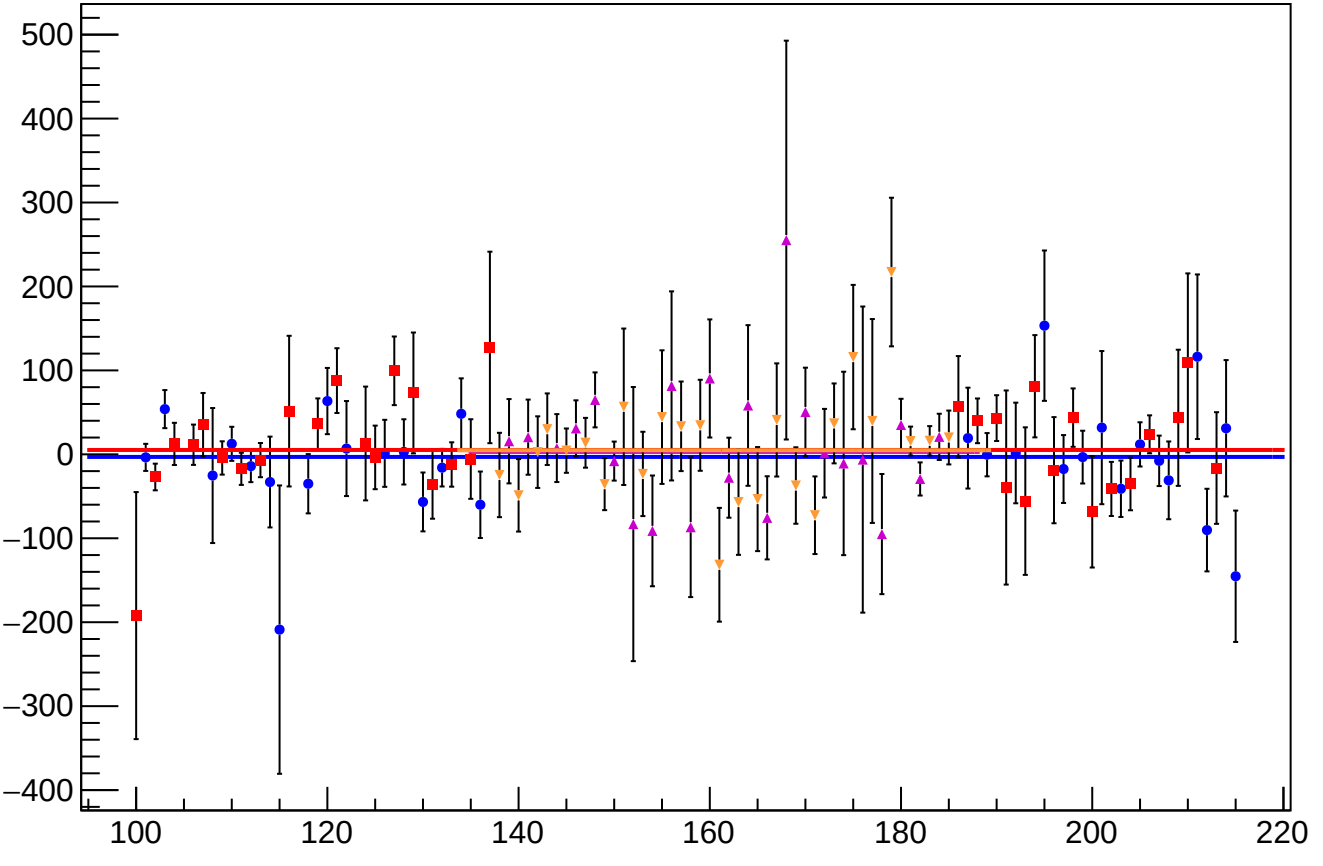
Right: 170.826+/-0.020 χ^2/NDF: 5284068.2/64

In: 175.386+/-0.021 χ^2/NDF:3993530.9/53

Out: 181.629+/-0.022 χ^2/NDF:5171547.7/58

All: 178.407+/-0.015 χ^2/NDF: 9207537.7/112

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -3.086+/-6.061 χ^2/NDF: 32.6/30

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 5.202+/-5.675 χ^2/NDF: 38.3/33

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

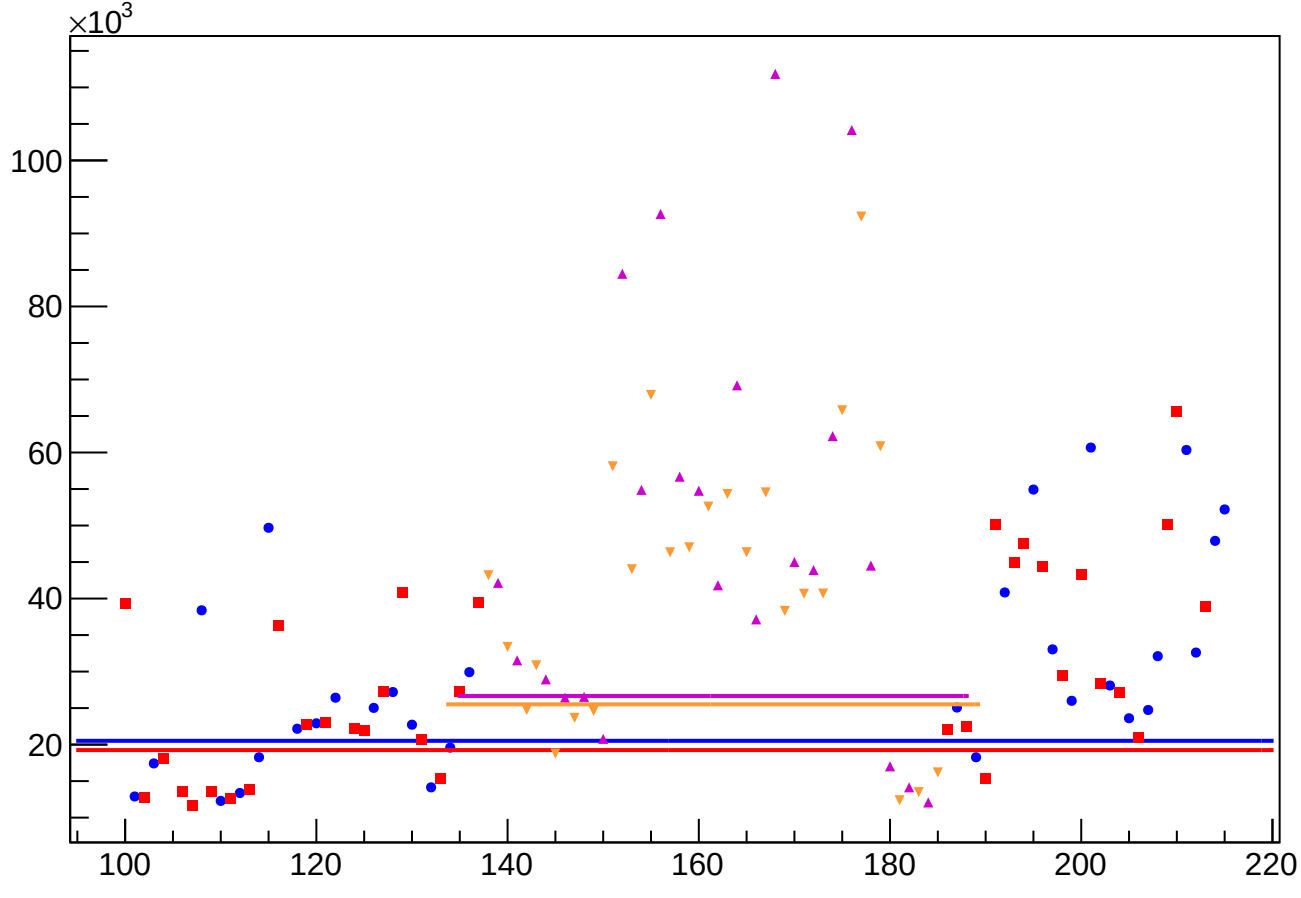
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.330+/-4.143 χ^2/NDF: 71.8/64

In: -1.166+/-4.999 χ^2/NDF:54.4/53

Out: 5.059+/-4.548 χ^2/NDF:62.6/58

All: 2.240+/-3.364 χ^2/NDF: 117.8/112



Right In: 20518.087+/-4.286 χ^2/NDF: 4148361.9/30

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19250.249+/-4.013 χ^2/NDF: 4377533.1/33

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

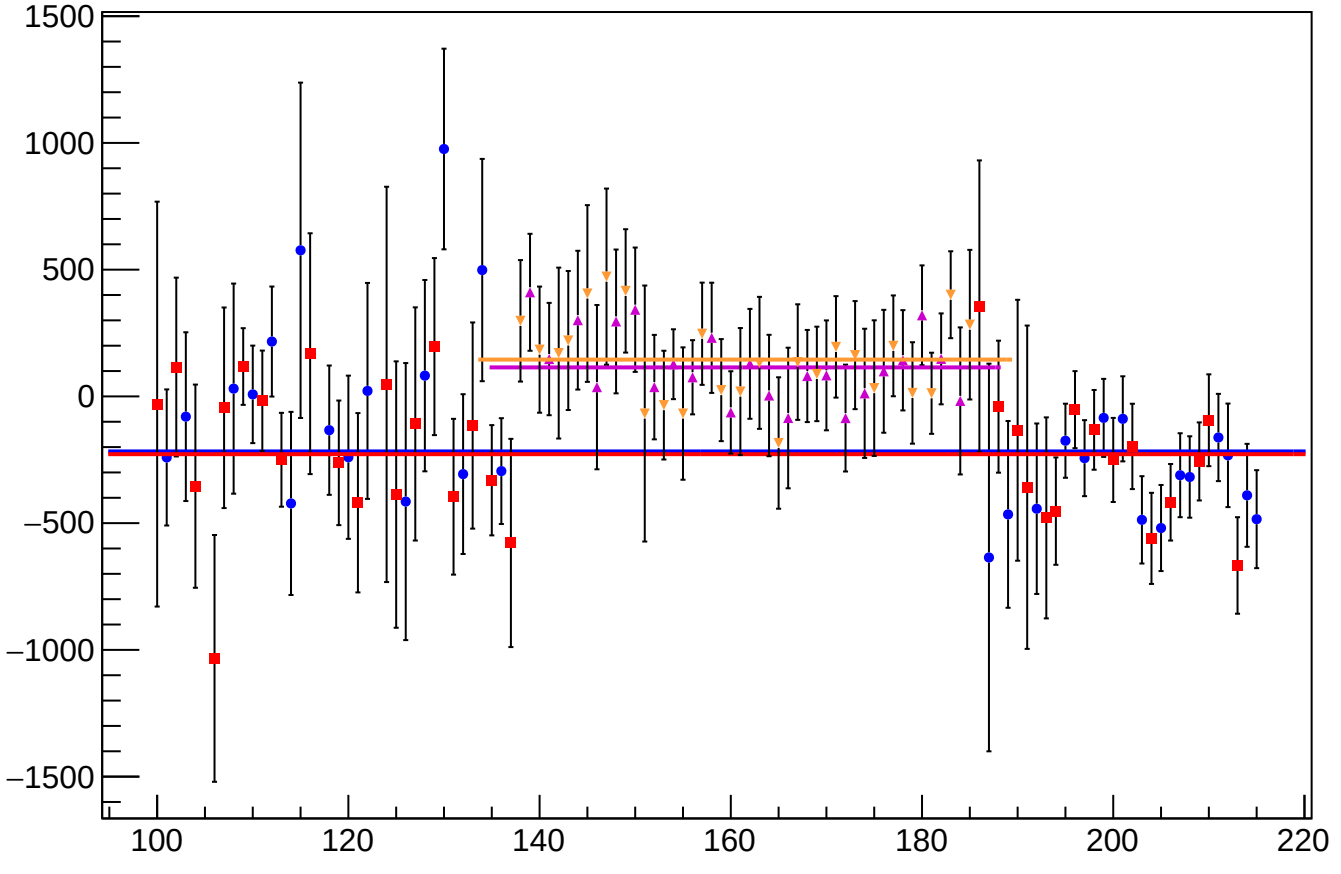
Right: 19842.553+/-2.929 χ^2/NDF: 8572522.6/64

In: 22482.320+/-3.535 χ^2/NDF:10688441.8/53

Out: 21491.854+/-3.216 χ^2/NDF:12991755.0/58

All: 21940.364+/-2.379 χ^2/NDF: 23723158.0

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -217.120+/-40.431 χ^2/NDF: 32.5/30

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -227.937+/-40.865 χ^2/NDF: 30.3/33

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

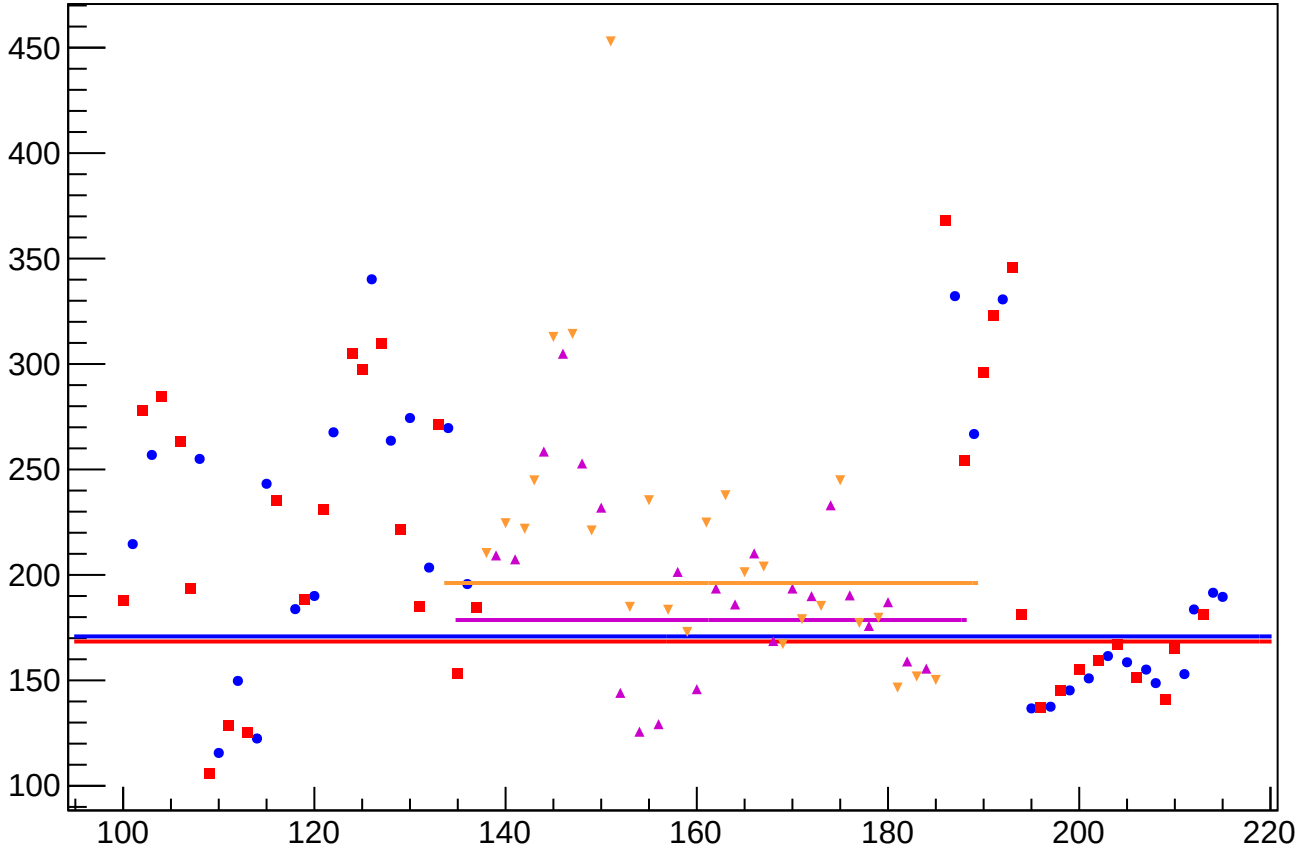
Right: -222.471+/-28.741 χ^2/NDF: 62.9/64

In: -63.919+/-29.652 χ^2/NDF:72.0/53

Out: -64.262+/-30.616 χ^2/NDF:78.1/58

All: -64.085+/-21.300 χ^2/NDF: 150.1/112

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 170.844+/-0.029 χ^2/NDF: 2338472.8/30

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 168.424+/-0.029 χ^2/NDF: 3010804.7/33

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

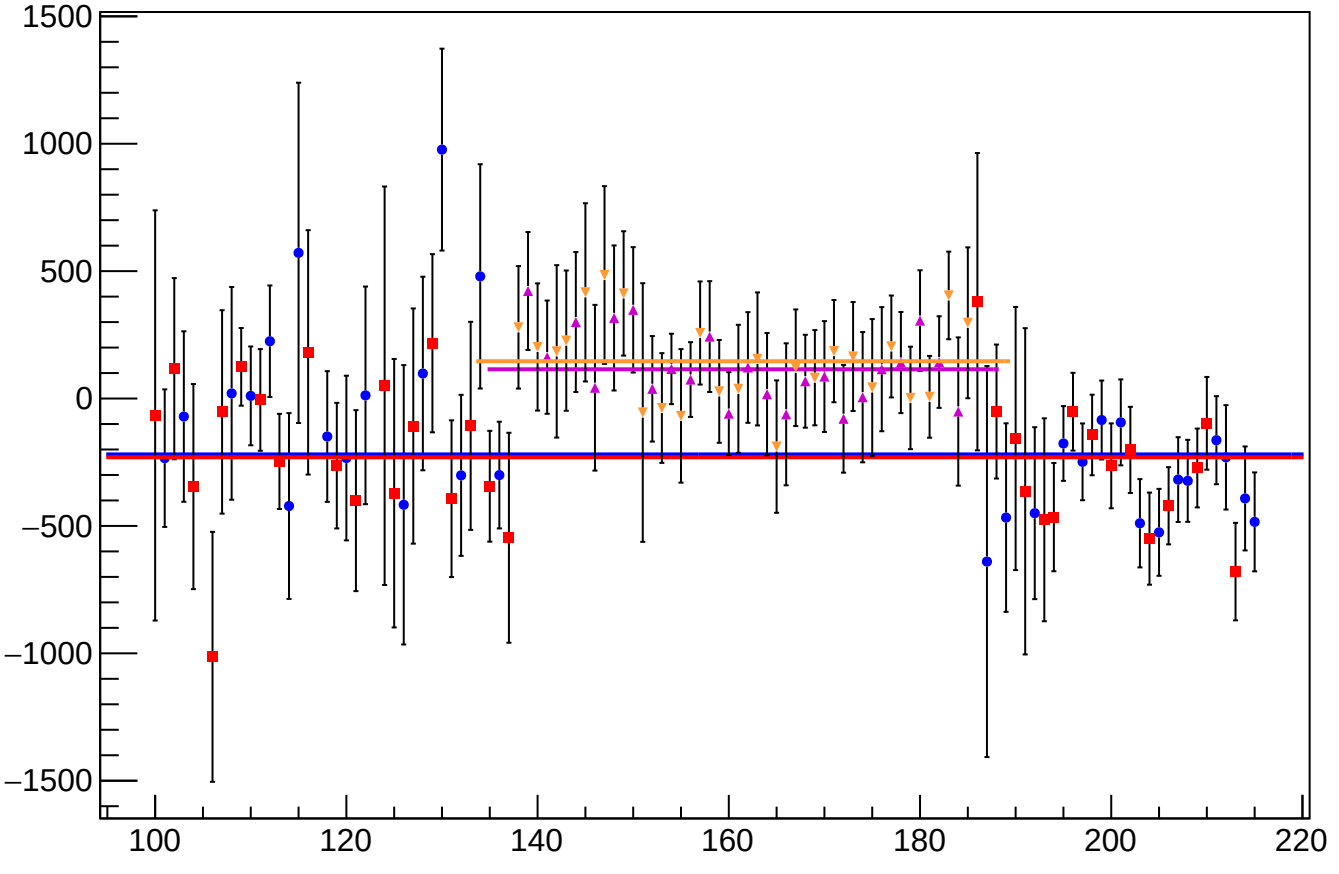
Right: 169.647+/-0.020 χ^2/NDF: 5352822.6/64

In: 174.438+/-0.021 χ^2/NDF:4024542.1/53

Out: 180.593+/-0.022 χ^2/NDF:5222023.1/58

All: 177.417+/-0.015 χ^2/NDF: 9288282.8/112

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -219.323+/-40.622 χ^2/NDF: 32.6/30

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -230.552+/-41.071 χ^2/NDF: 30.4/33

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

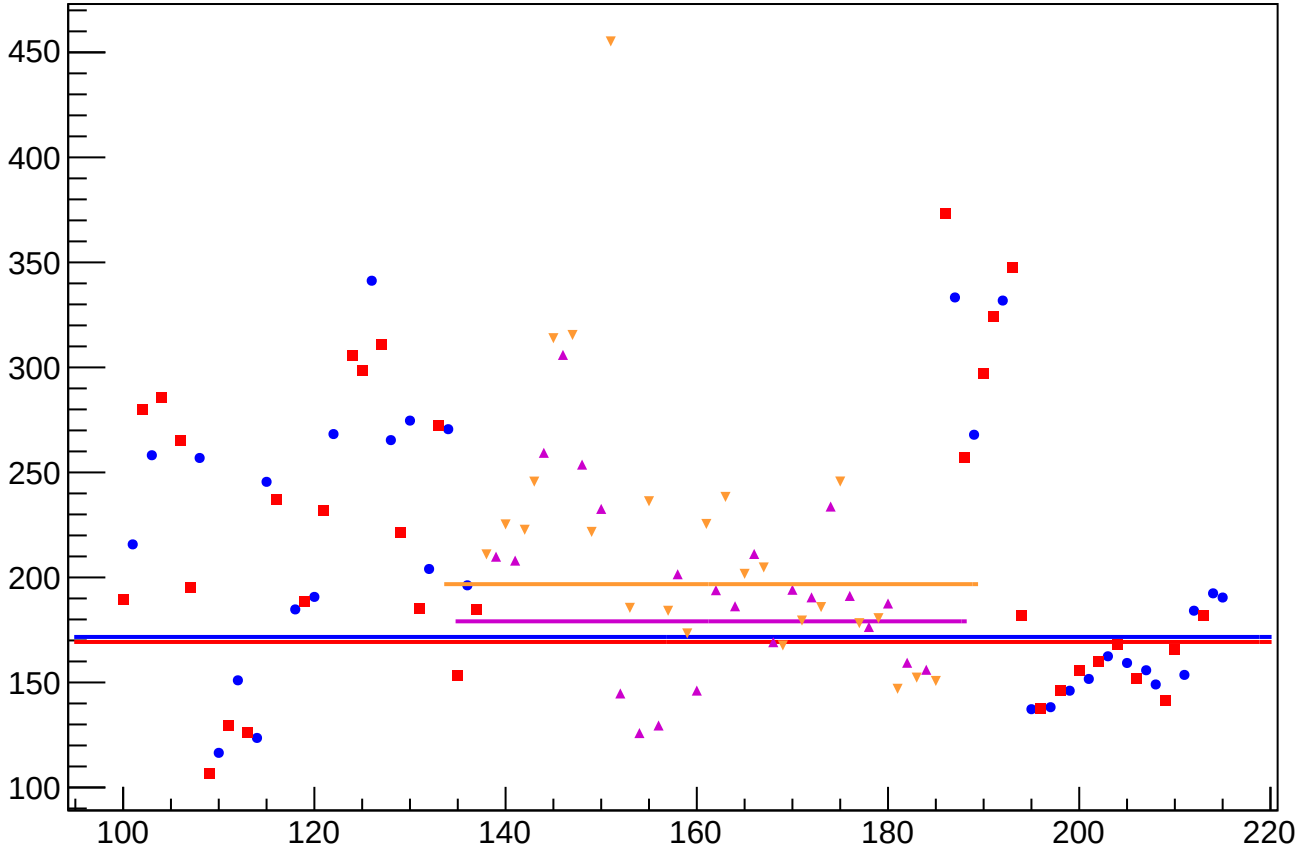
Right: -224.875+/-28.881 χ^2/NDF: 63.1/64

In: -64.593+/-29.765 χ^2/NDF:72.3/53

Out: -64.864+/-30.748 χ^2/NDF:78.9/58

All: -64.724+/-21.386 χ^2/NDF: 151.2/112

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 171.669+/-0.029 χ^2/NDF: 2330388.9/30

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 169.278+/-0.029 χ^2/NDF: 3008226.0/33

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

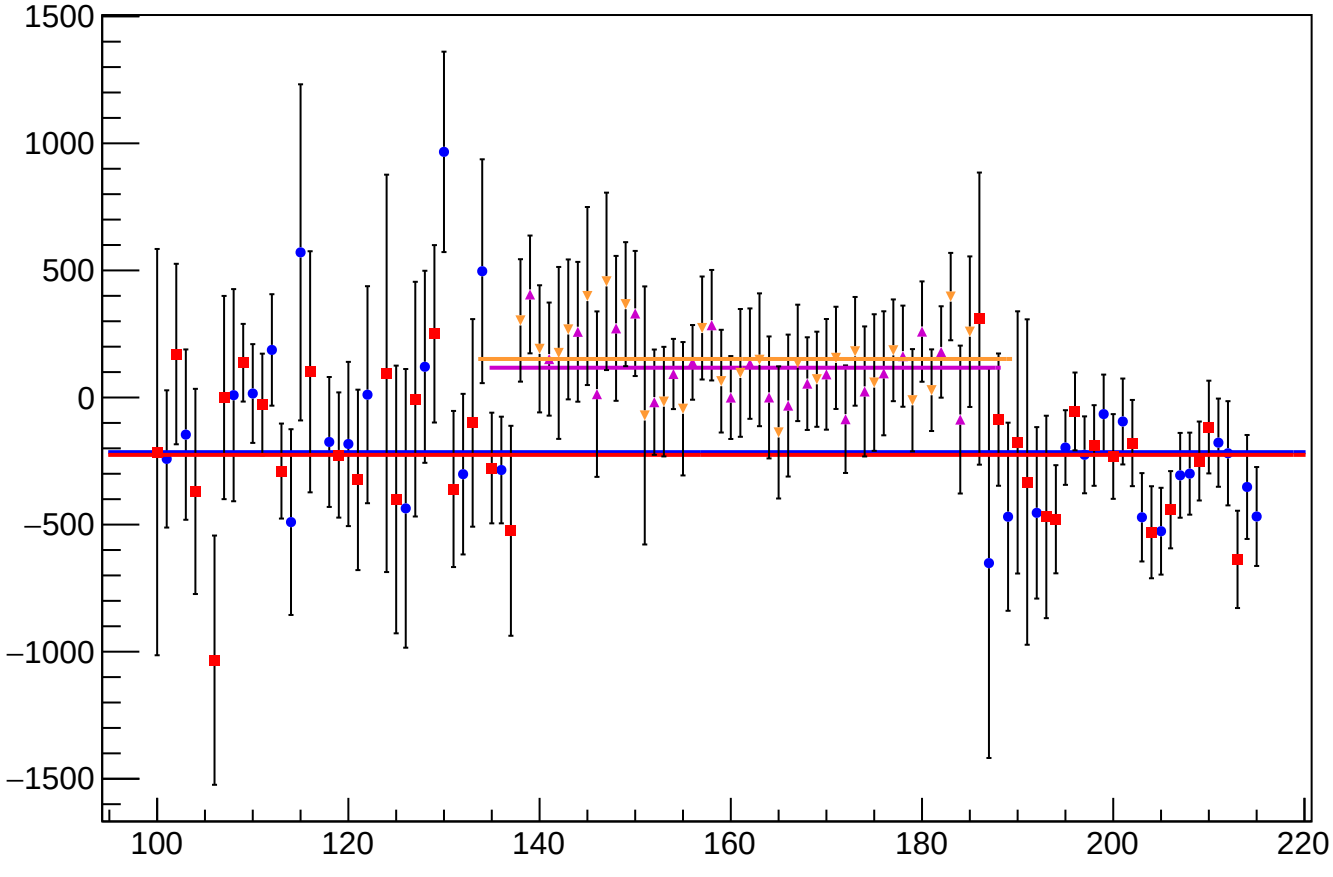
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 170.486+/-0.020 χ^2/NDF: 5342041.8/64

In: 175.110+/-0.021 χ^2/NDF:4017257.0/53

Out: 181.377+/-0.022 χ^2/NDF:5211736.8/58

All: 178.142+/-0.015 χ^2/NDF: 9271875.8/112



Right In: -215.063+/-40.698 χ^2/NDF: 31.1/30

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -225.653+/-41.124 χ^2/NDF: 29.1/33

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

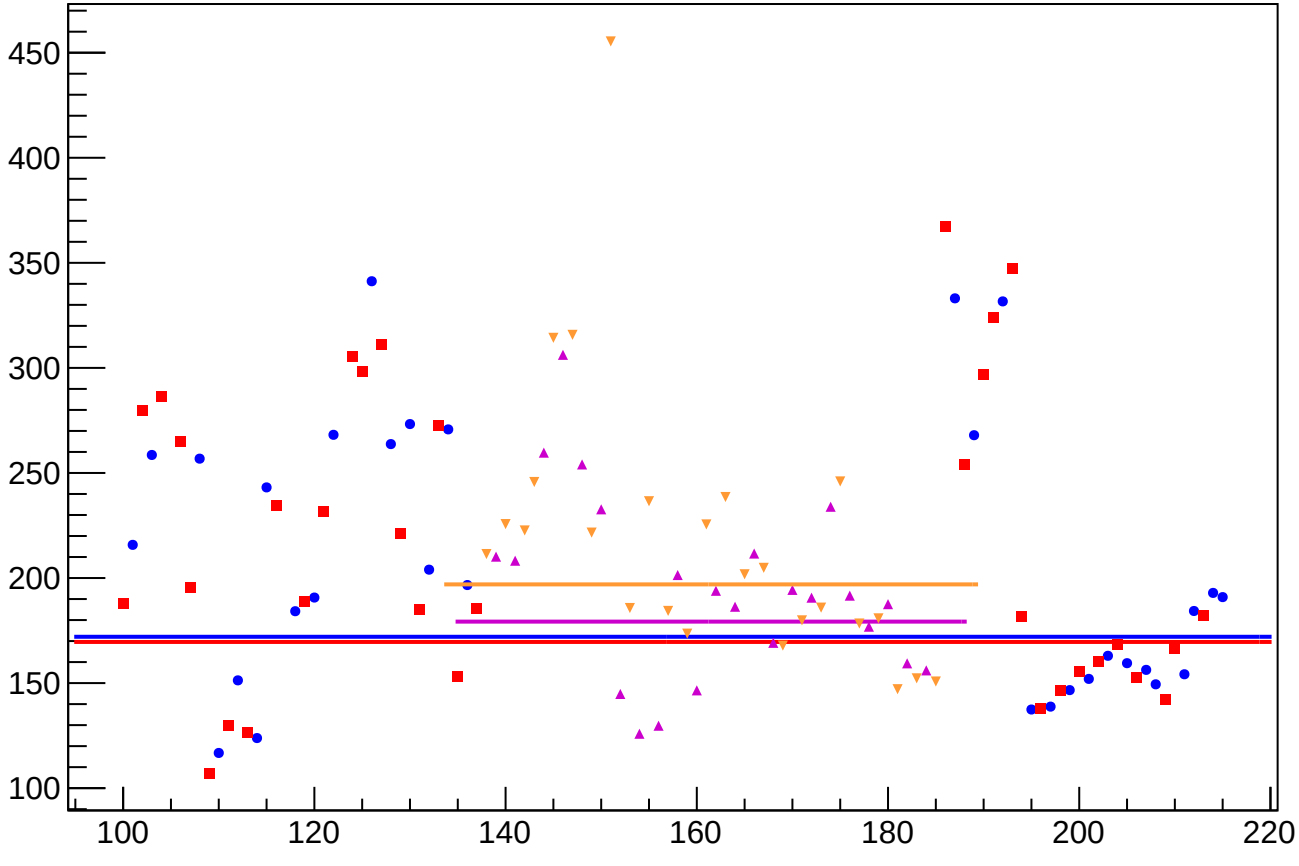
Right: -220.303+/-28.927 χ^2/NDF: 60.3/64

In: -61.049+/-29.807 χ^2/NDF:69.5/53

Out: -59.763+/-30.782 χ^2/NDF:75.7/58

All: -60.426+/-21.413 χ^2/NDF: 145.2/112

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 172.042+/-0.029 χ^2/NDF: 2308374.2/30

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 169.585+/-0.029 χ^2/NDF: 2972086.8/33

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

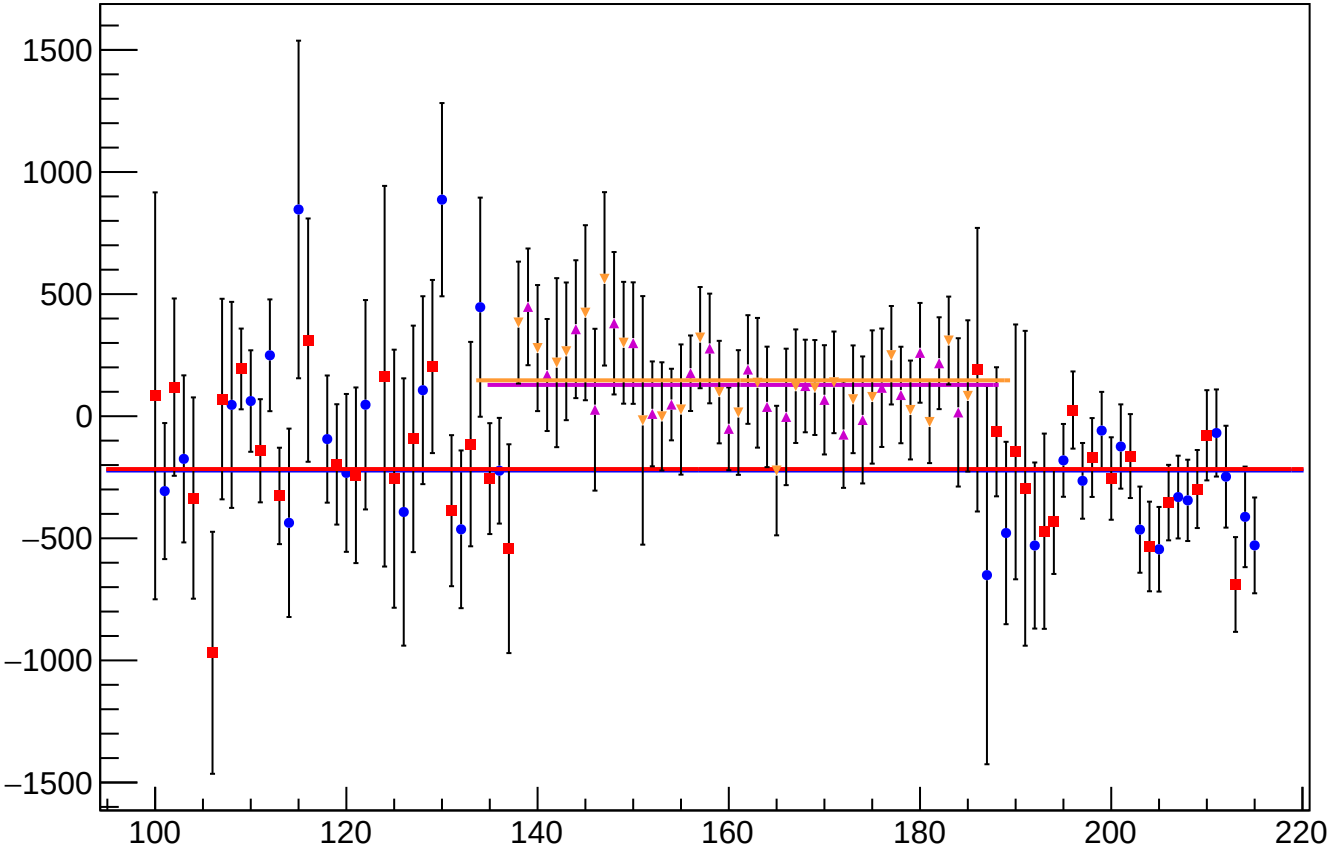
Right: 170.826+/-0.020 χ^2/NDF: 5284068.2/64

In: 175.386+/-0.021 χ^2/NDF:3993530.9/53

Out: 181.629+/-0.022 χ^2/NDF:5171547.7/58

All: 178.407+/-0.015 χ^2/NDF: 9207537.7/112

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -222.362+/-41.599 χ^2/NDF: 34.9/30

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -216.410+/-42.196 χ^2/NDF: 29.6/33

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

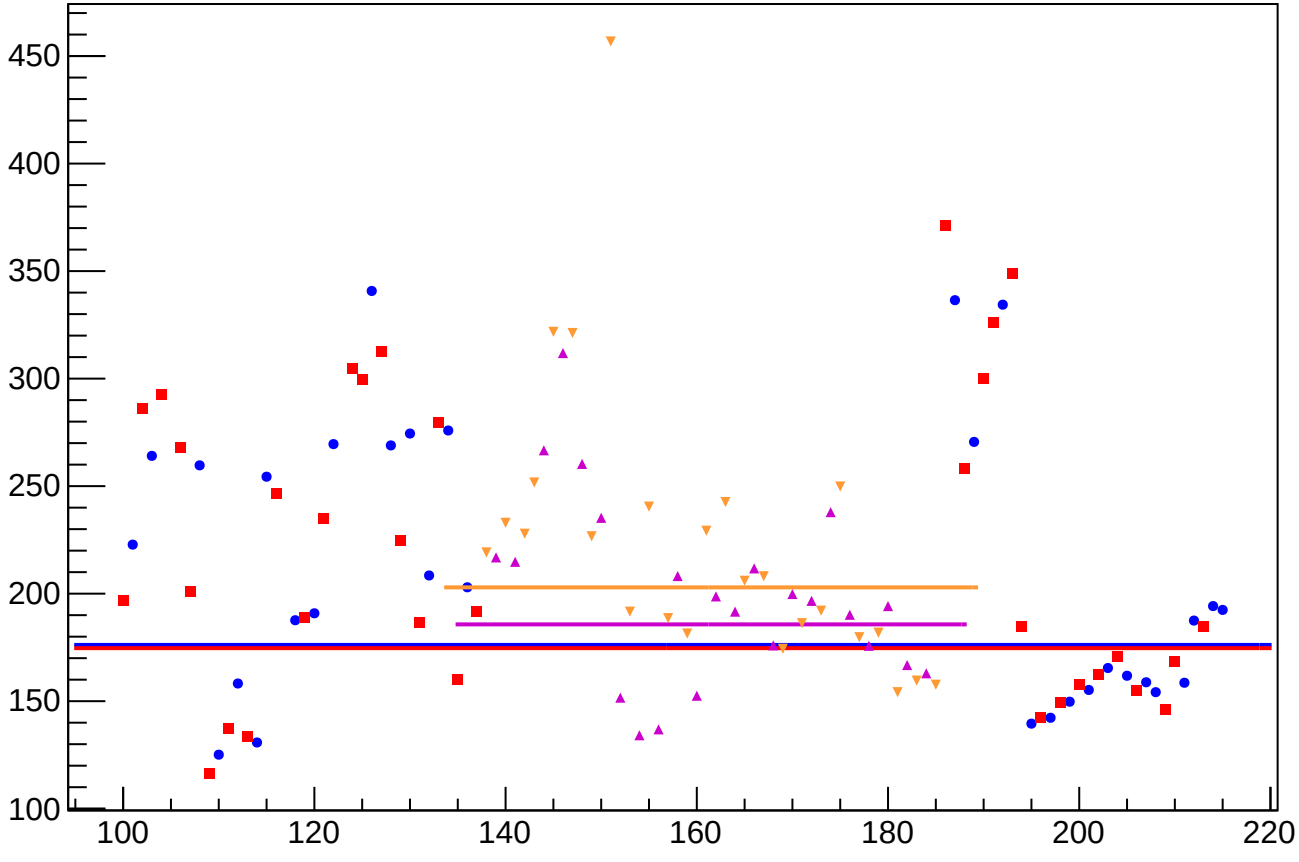
Right: -219.429+/-29.624 χ^2/NDF: 64.6/64

In: -61.619+/-30.609 χ^2/NDF:76.0/53

Out: -56.917+/-31.607 χ^2/NDF:72.4/58

All: -59.344+/-21.988 χ^2/NDF: 148.4/112

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 176.157+/-0.029 χ^2/NDF: 2204499.9/30

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 174.657+/-0.030 χ^2/NDF: 2764088.8/33

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

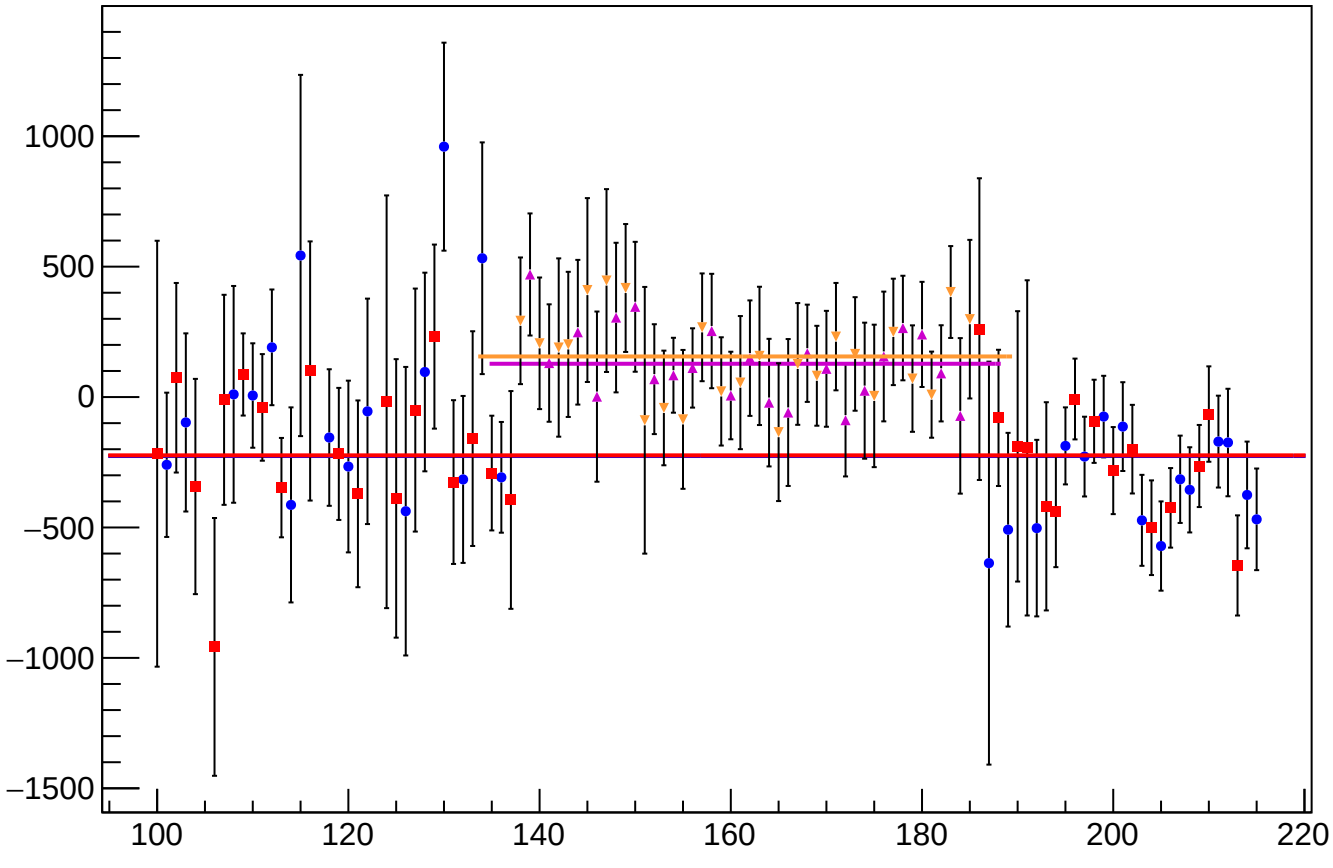
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 175.418+/-0.021 χ^2/NDF: 4969871.4/64

In: 180.541+/-0.022 χ^2/NDF:3742410.4/53

Out: 187.062+/-0.022 χ^2/NDF:4858037.1/58

All: 183.697+/-0.016 χ^2/NDF: 8644381.7/112



Right In: -226.069+/-41.081 χ^2/NDF: 32.1/30

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -223.474+/-41.559 χ^2/NDF: 26.1/33

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

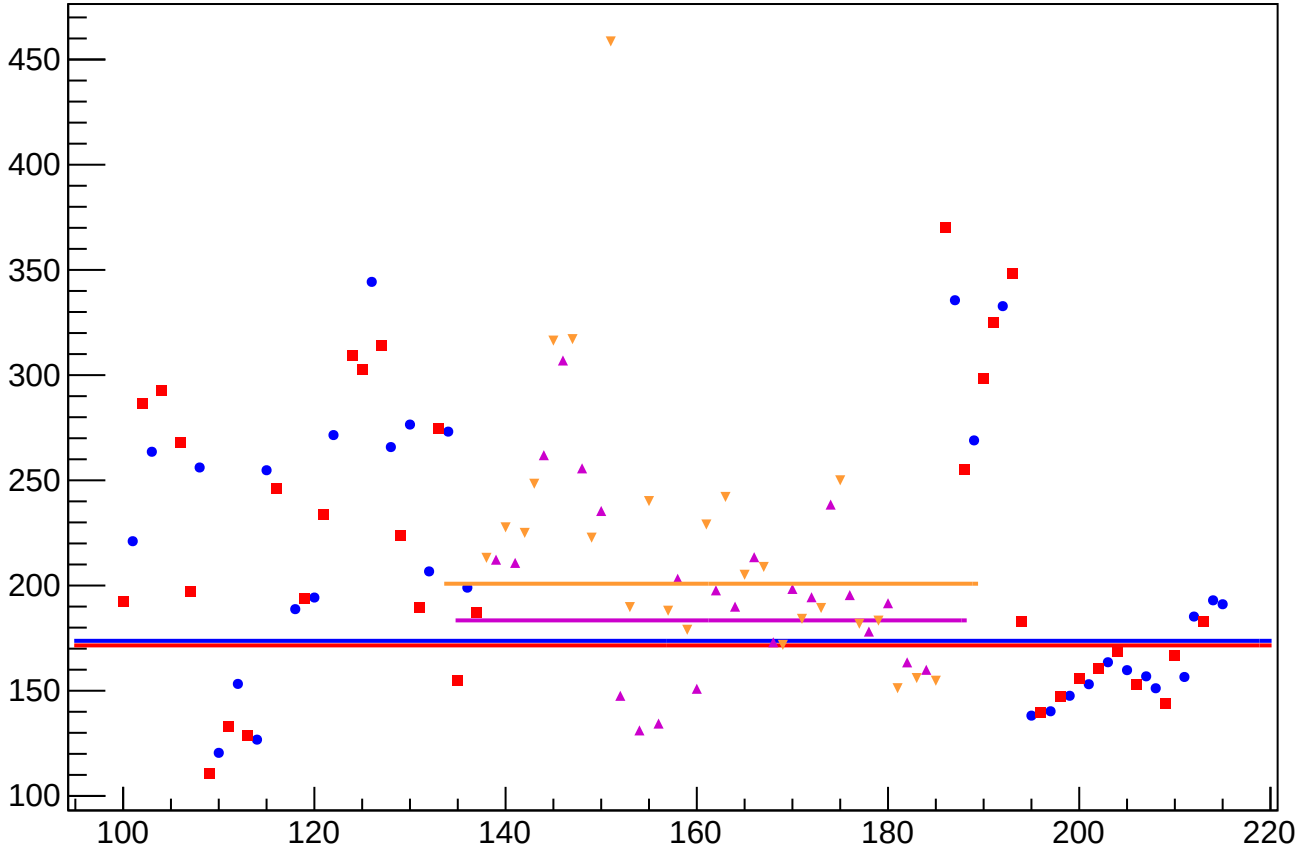
Right: -224.786+/-29.216 χ^2/NDF: 58.2/64

In: -64.093+/-30.247 χ^2/NDF:74.1/53

Out: -58.160+/-31.210 χ^2/NDF:73.0/58

All: -61.219+/-21.720 χ^2/NDF: 147.1/112

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 173.722+/-0.029 χ^2/NDF: 2295407.1/30

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 171.550+/-0.029 χ^2/NDF: 2933619.7/33

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

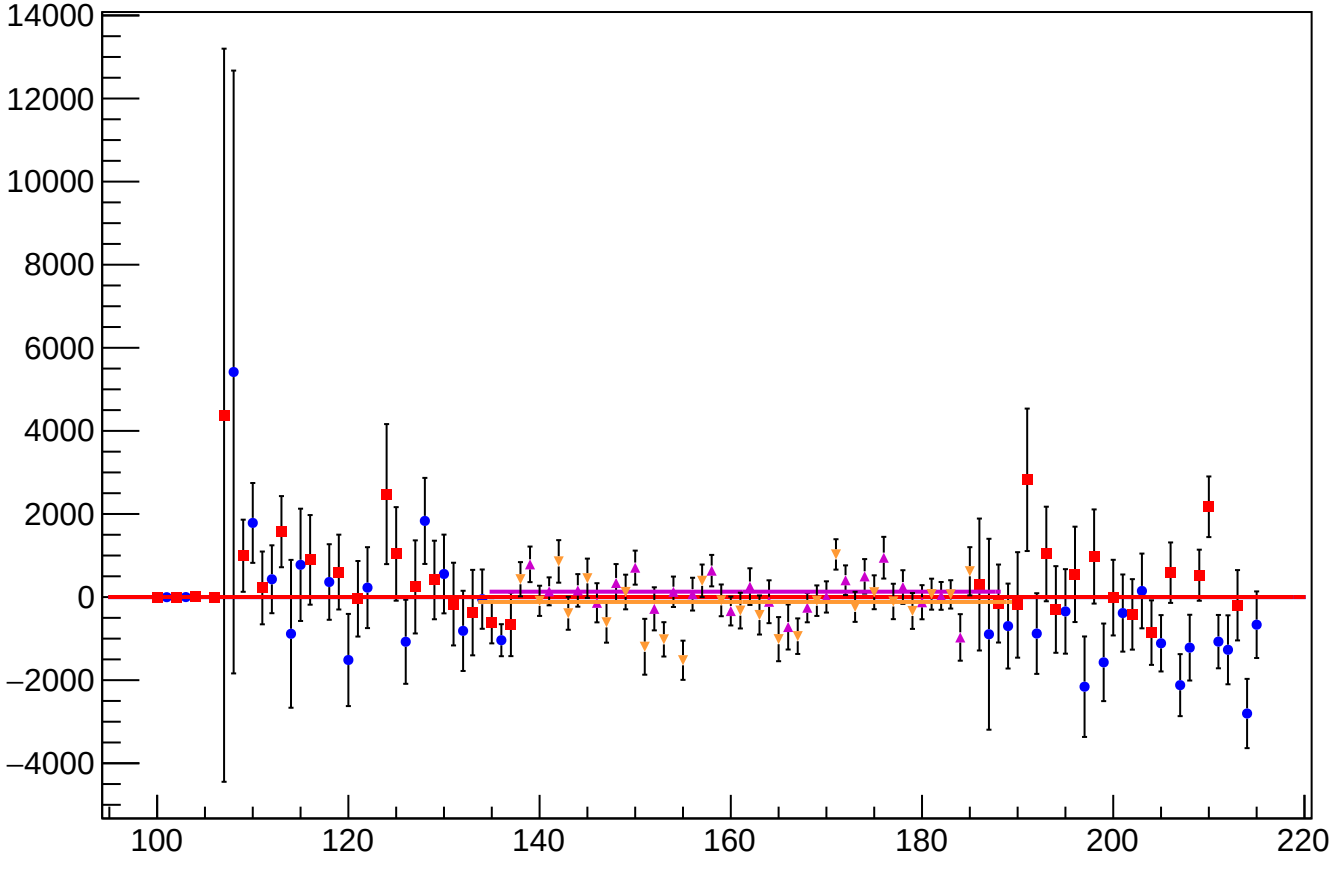
Right: 172.648+/-0.021 χ^2/NDF: 5231789.6/64

In: 178.169+/-0.021 χ^2/NDF:3877266.0/53

Out: 184.332+/-0.022 χ^2/NDF:5094933.6/58

All: 181.154+/-0.015 χ^2/NDF: 9012425.1/112

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.349+/-2.171 χ^2/NDF: 57.8/30

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.405+/-2.022 χ^2/NDF: 33.3/33

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

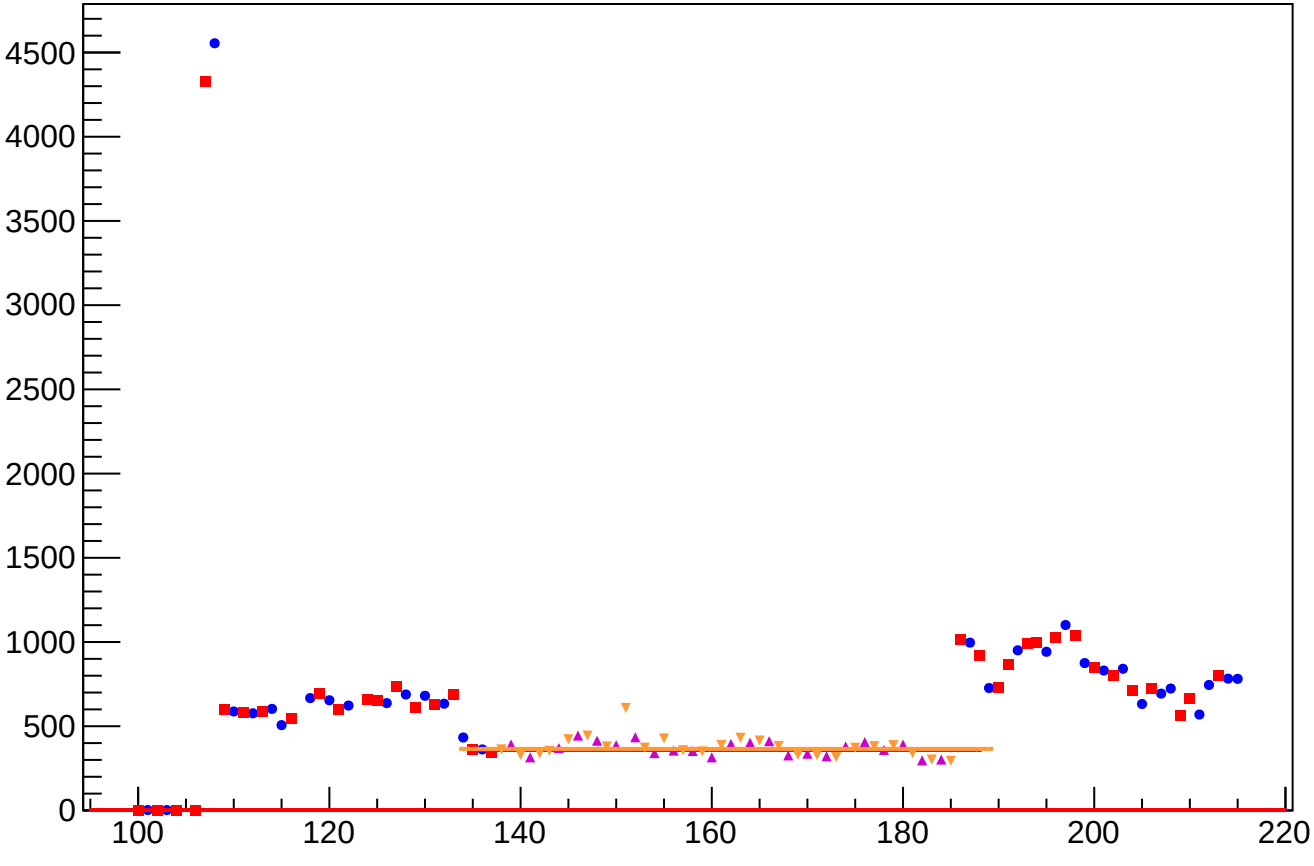
Right: 0.126+/-1.480 χ^2/NDF: 92.0/64

In: -1.263+/-2.170 χ^2/NDF:81.9/53

Out: 1.336+/-2.022 χ^2/NDF:81.6/58

All: 0.128+/-1.479 χ^2/NDF: 164.3/112

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.548+/-0.002 χ^2/NDF: 35246869.6/30

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.519+/-0.001 χ^2/NDF: 34234295.4/33

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

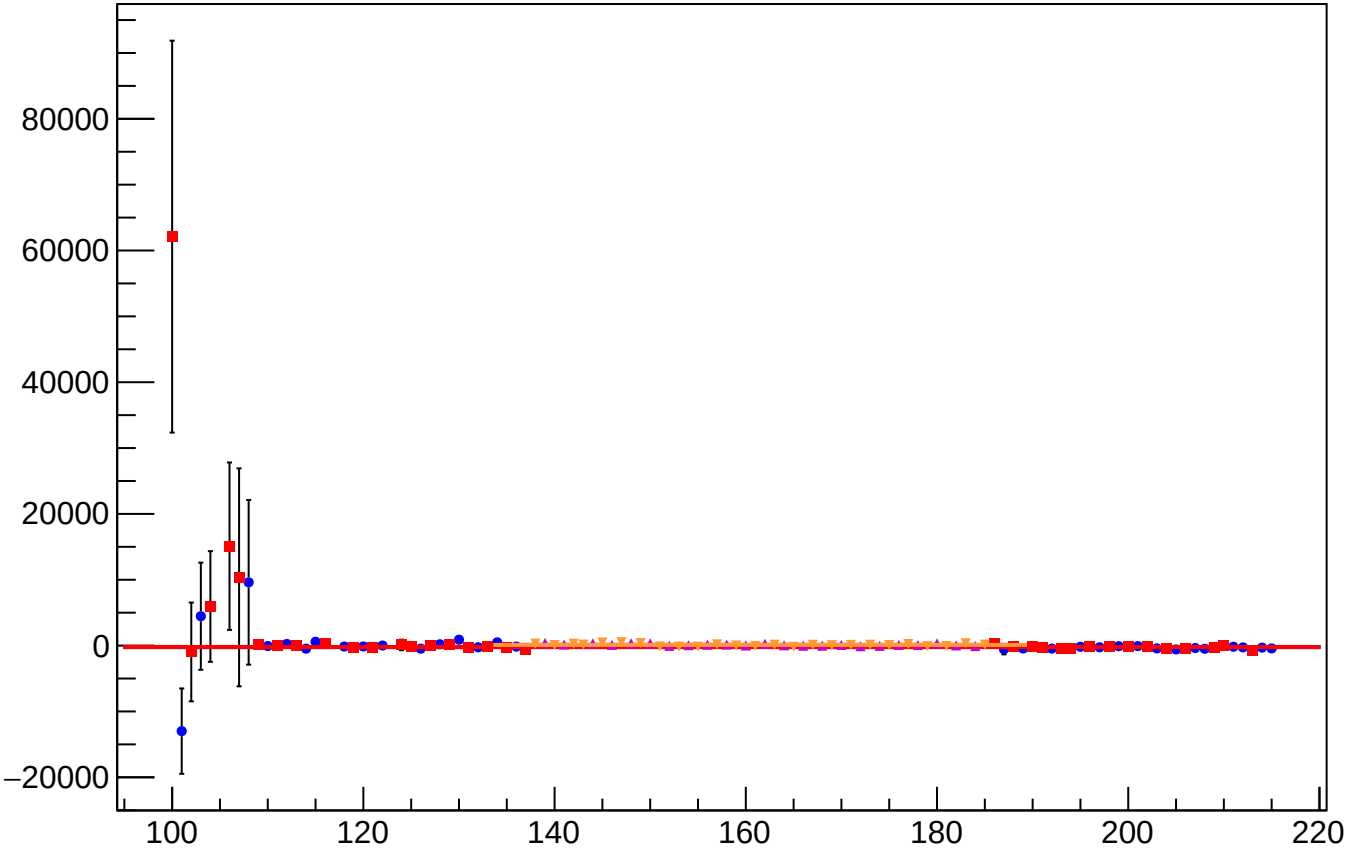
Right: 2.533+/-0.001 χ^2/NDF: 69481350.5/64

In: 2.780+/-0.002 χ^2/NDF:70785096.4/53

Out: 2.729+/-0.001 χ^2/NDF:72063782.7/58

All: 2.752+/-0.001 χ^2/NDF: 142849475.6/112

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -224.567+/-44.619 χ^2/NDF: 34.5/30

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -220.106+/-45.705 χ^2/NDF: 33.3/33

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

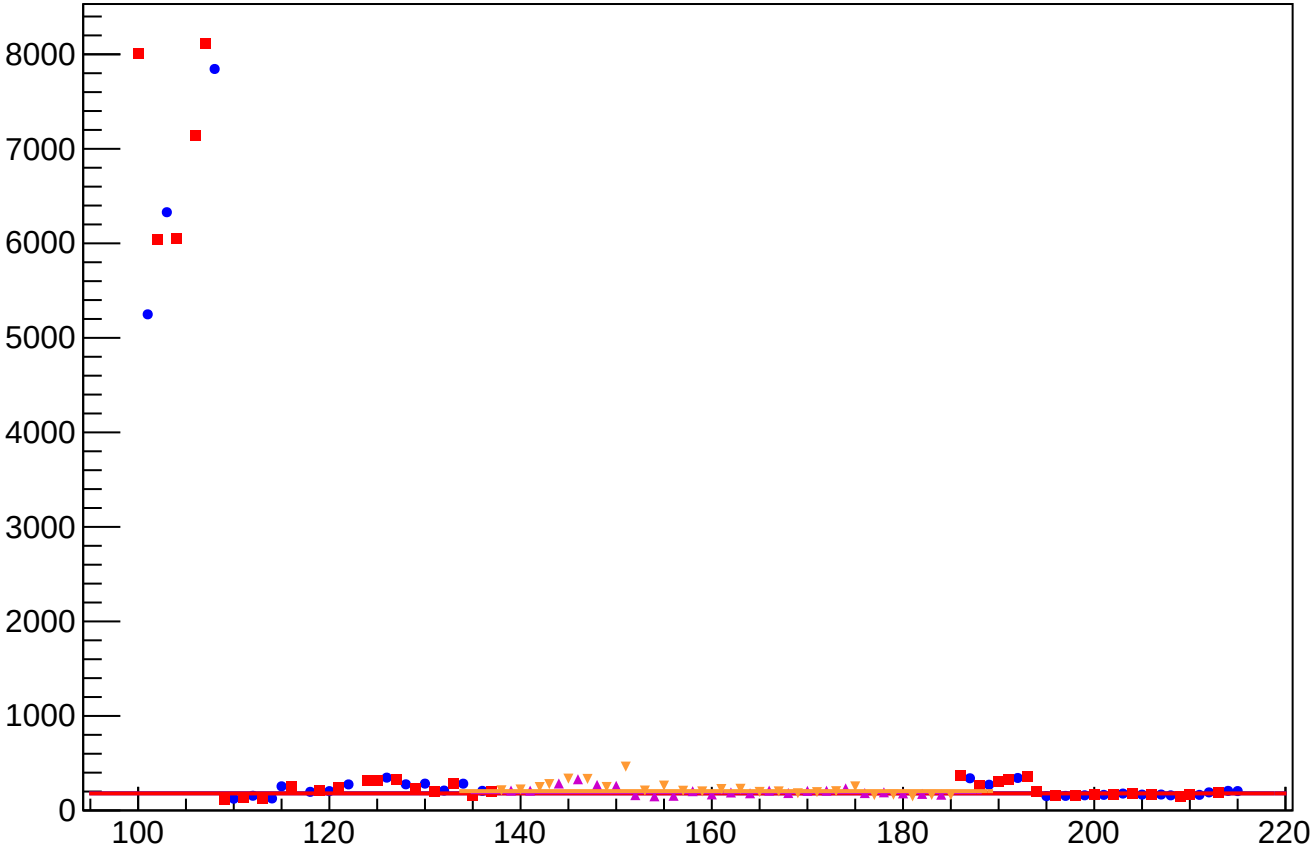
Right: -222.390+/-31.927 χ^2/NDF: 67.8/64

In: -61.385+/-32.345 χ^2/NDF:71.9/53

Out: -68.906+/-33.182 χ^2/NDF:69.2/58

All: -65.049+/-23.162 χ^2/NDF: 141.2/112

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 181.787+/-0.032 χ^2/NDF: 4950620.2/30

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 180.366+/-0.032 χ^2/NDF: 5606690.0/33

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

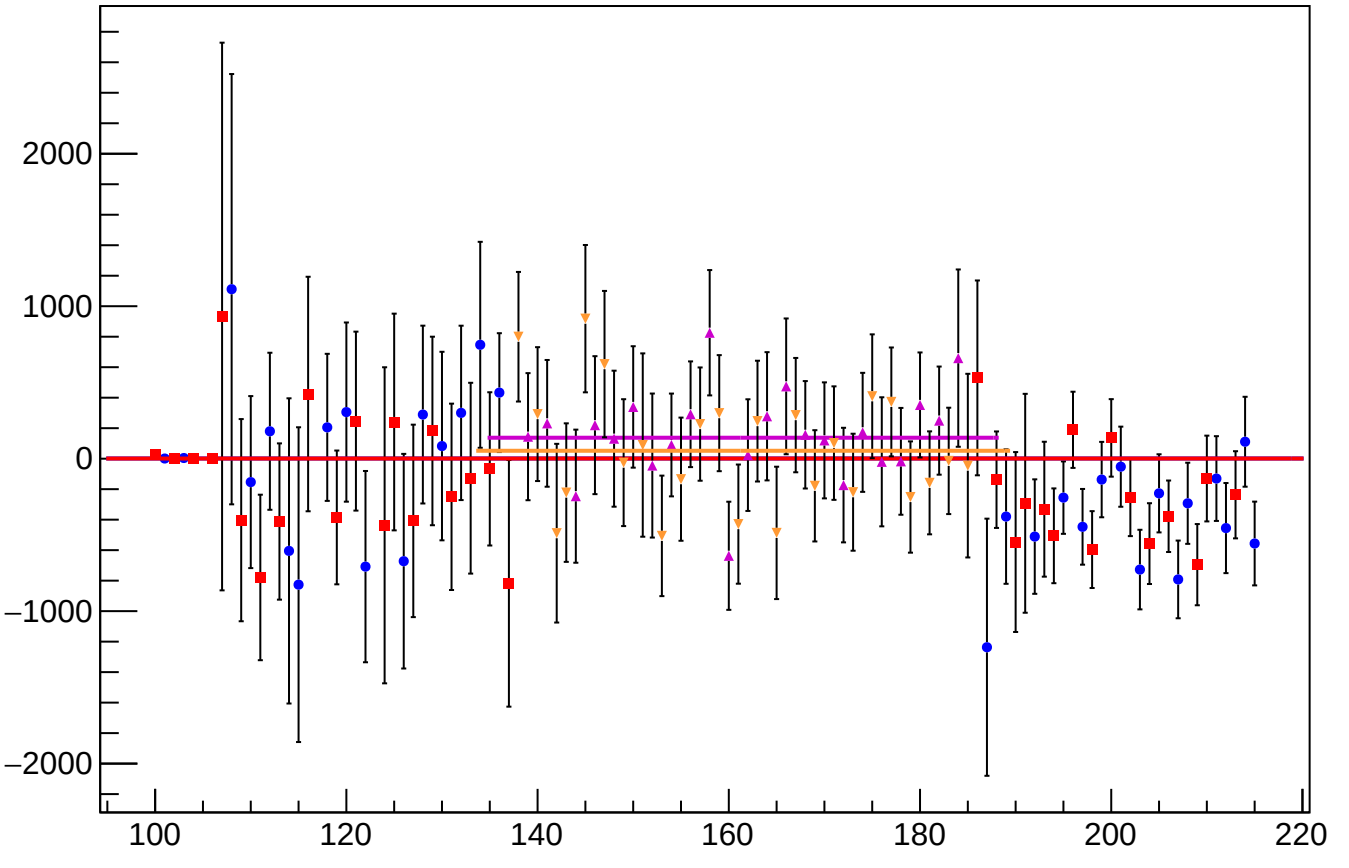
Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

Right: 181.094+/-0.023 χ^2/NDF: 10558300.9/64

In: 187.532+/-0.023 χ^2/NDF:6212089.1/53

Out: 191.818+/-0.023 χ^2/NDF:7847316.0/58

All: 189.621+/-0.016 χ^2/NDF: 14076512.1/11



Right In: 1.274+/-1.660 χ^2/NDF: 43.8/30

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 0.985+/-1.528 χ^2/NDF: 36.5/33

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

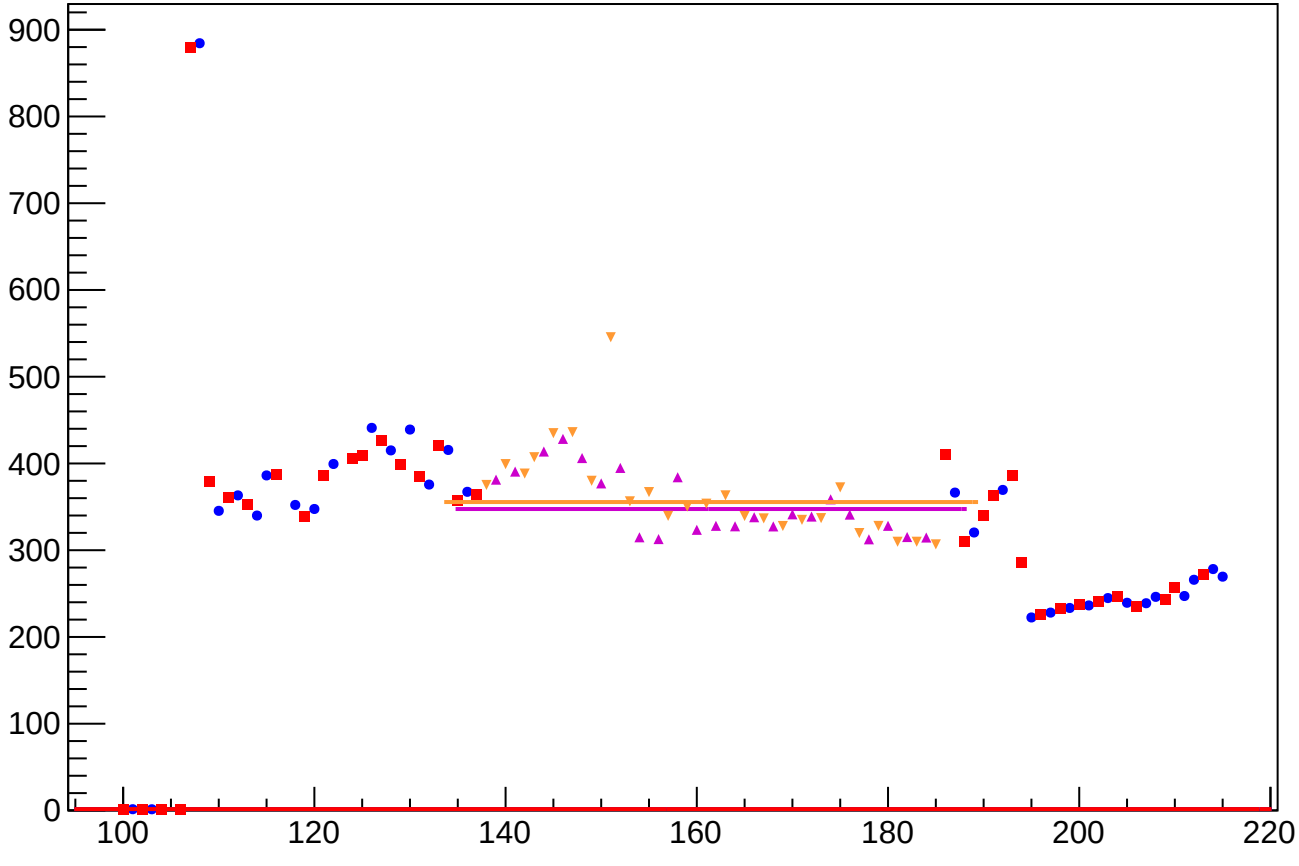
Right: 1.118+/-1.124 χ^2/NDF: 80.4/64

In: 1.330+/-1.660 χ^2/NDF:58.7/53

Out: 1.003+/-1.527 χ^2/NDF:56.4/58

All: 1.153+/-1.124 χ^2/NDF: 115.1/112

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.599+/-0.001 χ^2/NDF: 35544640.1/30

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.567+/-0.001 χ^2/NDF: 33930597.1/33

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

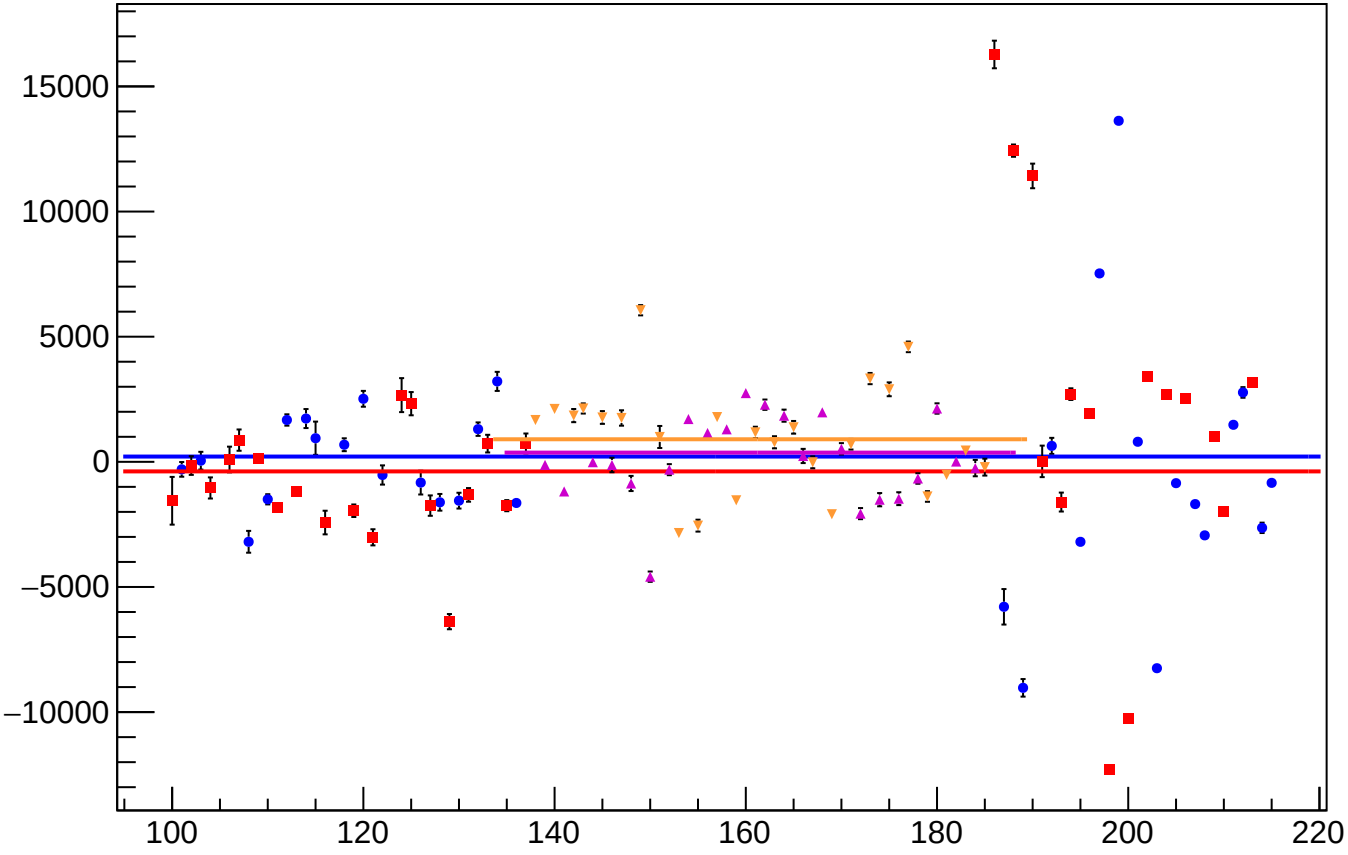
Right: 1.582+/-0.001 χ^2/NDF: 69475633.6/64

In: 1.740+/-0.001 χ^2/NDF:71363465.4/53

Out: 1.691+/-0.001 χ^2/NDF:72121568.6/58

All: 1.714+/-0.001 χ^2/NDF: 143485974.7/112

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 210.793+/-42.720 χ^2/NDF: 12241.9/30

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -382.331+/-43.135 χ^2/NDF: 14211.8/33

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

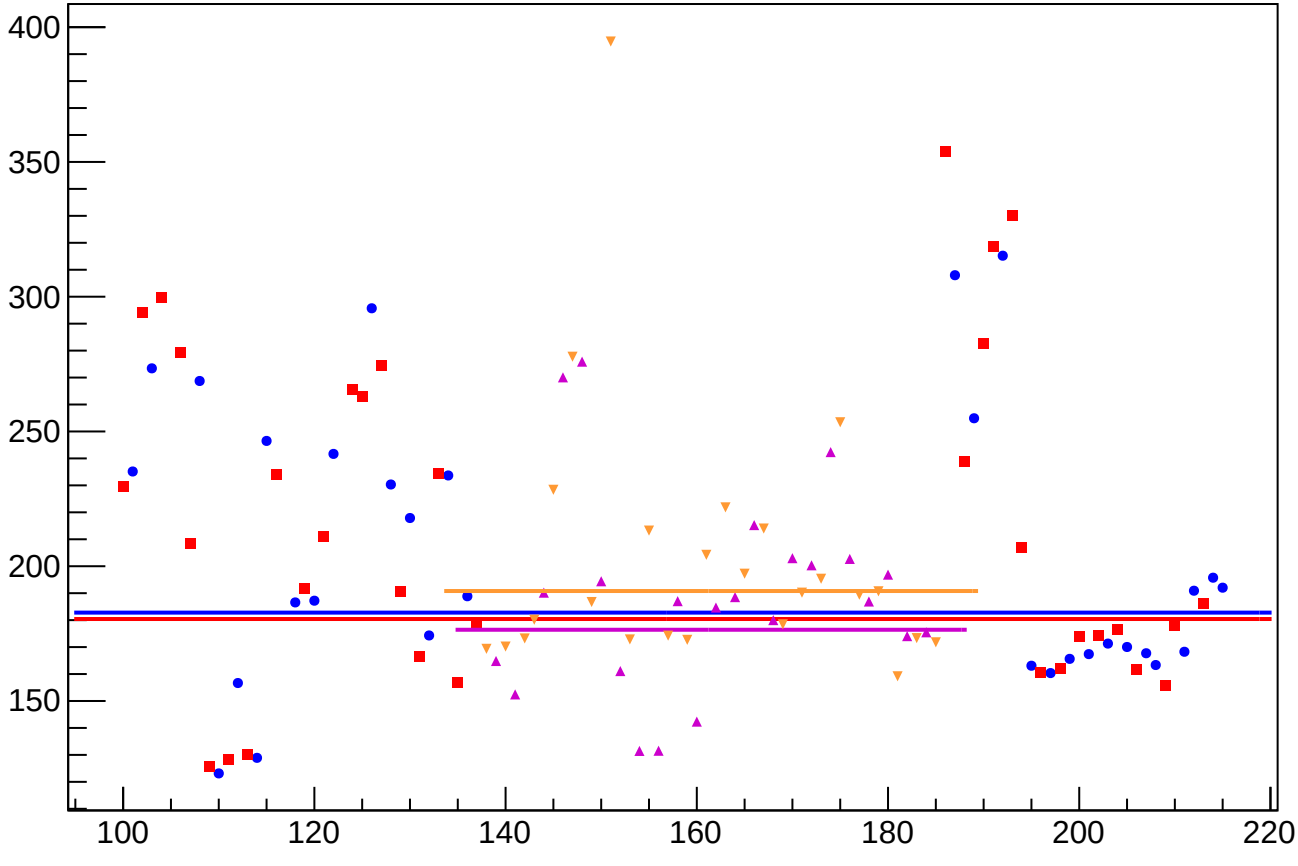
Right: -82.903+/-30.353 χ^2/NDF: 26549.2/64

In: 289.560+/-30.200 χ^2/NDF:13841.7/53

Out: 239.851+/-30.966 χ^2/NDF:17052.1/58

All: 265.328+/-21.620 χ^2/NDF: 30895.2/112

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 182.791+/-0.030 χ^2/NDF: 1456481.3/30

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 180.416+/-0.031 χ^2/NDF: 2187551.5/33

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

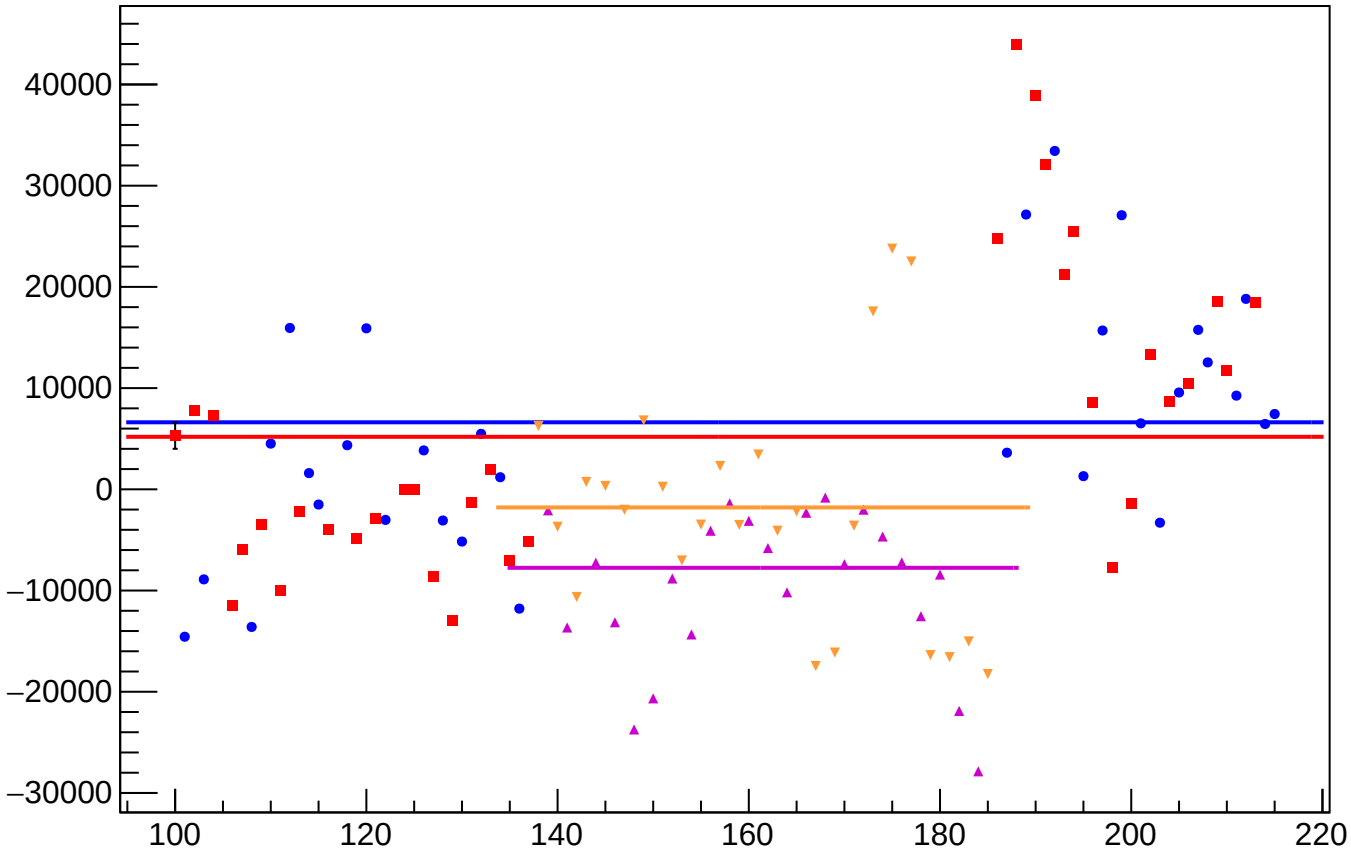
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 181.615+/-0.021 χ^2/NDF: 3647092.8/64

In: 179.610+/-0.021 χ^2/NDF:2736314.1/53

Out: 185.449+/-0.022 χ^2/NDF:3263330.2/58

All: 182.456+/-0.015 χ^2/NDF: 6036096.0/112



Right In: 6622.063+/-38.494 χ^2/NDF: 96708.1/30

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 5188.560+/-37.692 χ^2/NDF: 147009.7/33

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

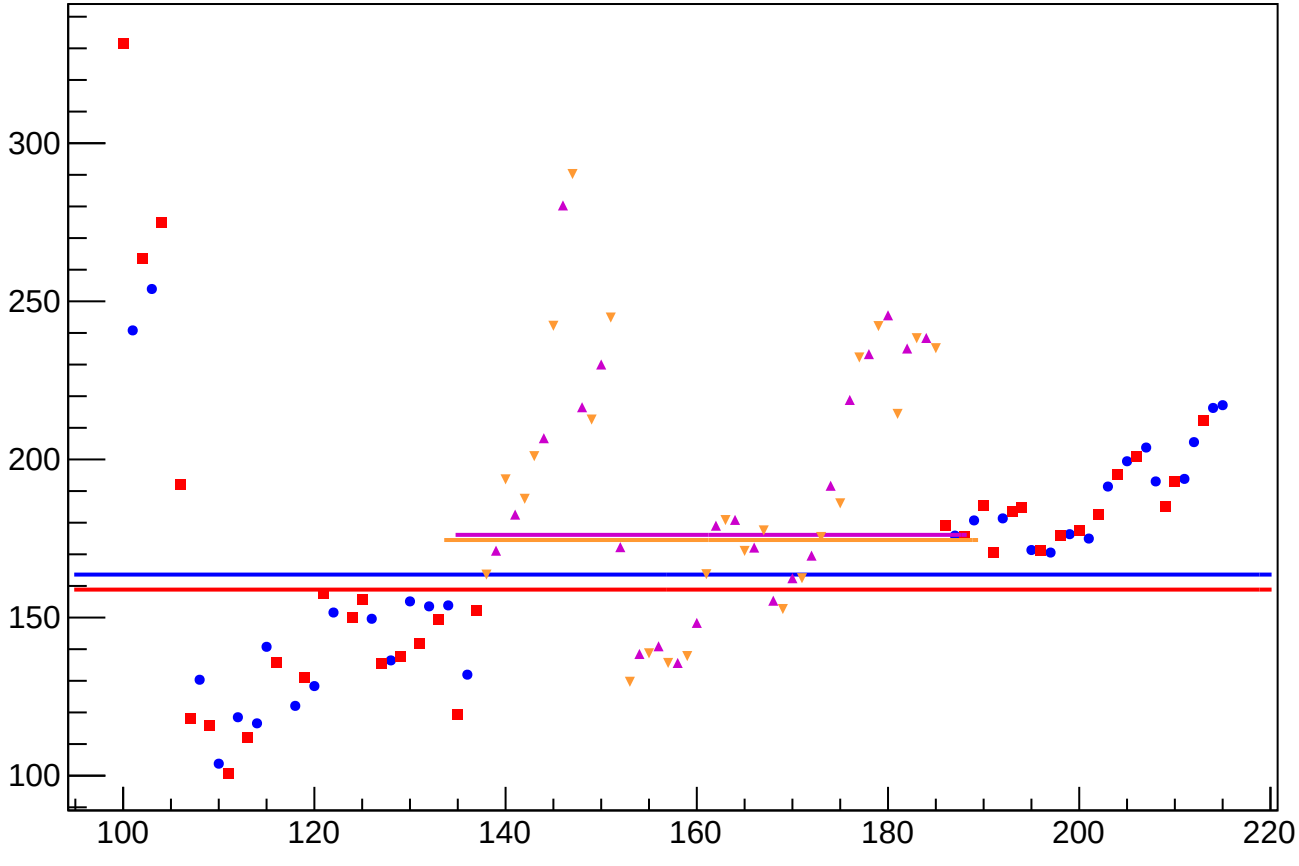
Right: 5890.228+/-26.931 χ^2/NDF: 244425.8/64

In: 155.093+/-28.552 χ^2/NDF:182730.7/53

Out: 1984.382+/-27.720 χ^2/NDF:228495.5/58

All: 1096.776+/-19.889 χ^2/NDF: 413339.3/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 163.592+/-0.027 χ^2/NDF: 1660588.8/30

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 158.843+/-0.027 χ^2/NDF: 1829890.9/33

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

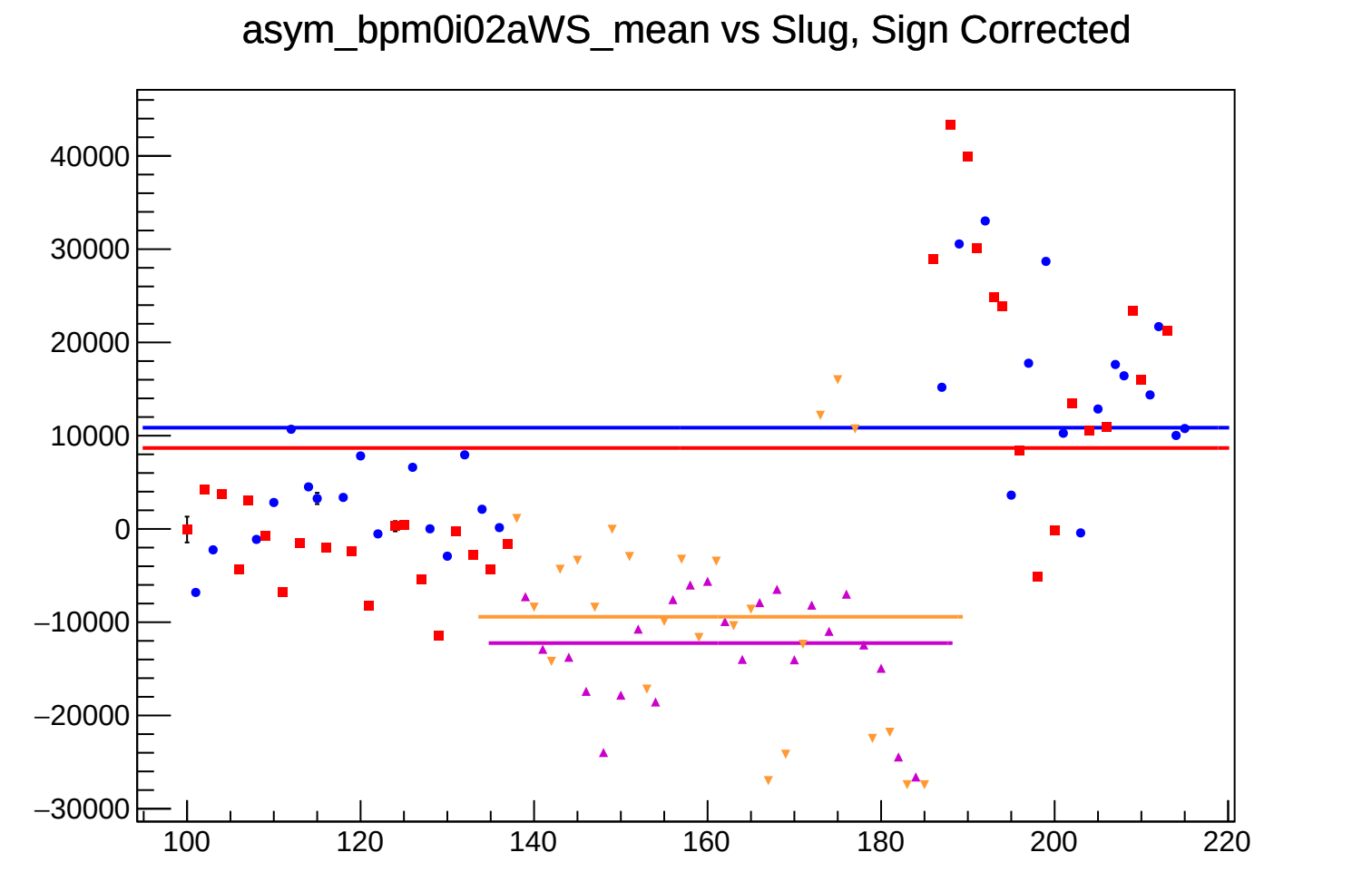
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 161.167+/-0.019 χ^2/NDF: 3506019.3/64

In: 169.243+/-0.020 χ^2/NDF:3123469.2/53

Out: 166.041+/-0.020 χ^2/NDF:3648221.6/58

All: 167.595+/-0.014 χ^2/NDF: 6784638.7/112



Right In: 10858.808+/-41.986 χ^2/NDF: 56817.9/30

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 8681.920+/-41.350 χ^2/NDF: 118335.7/33

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

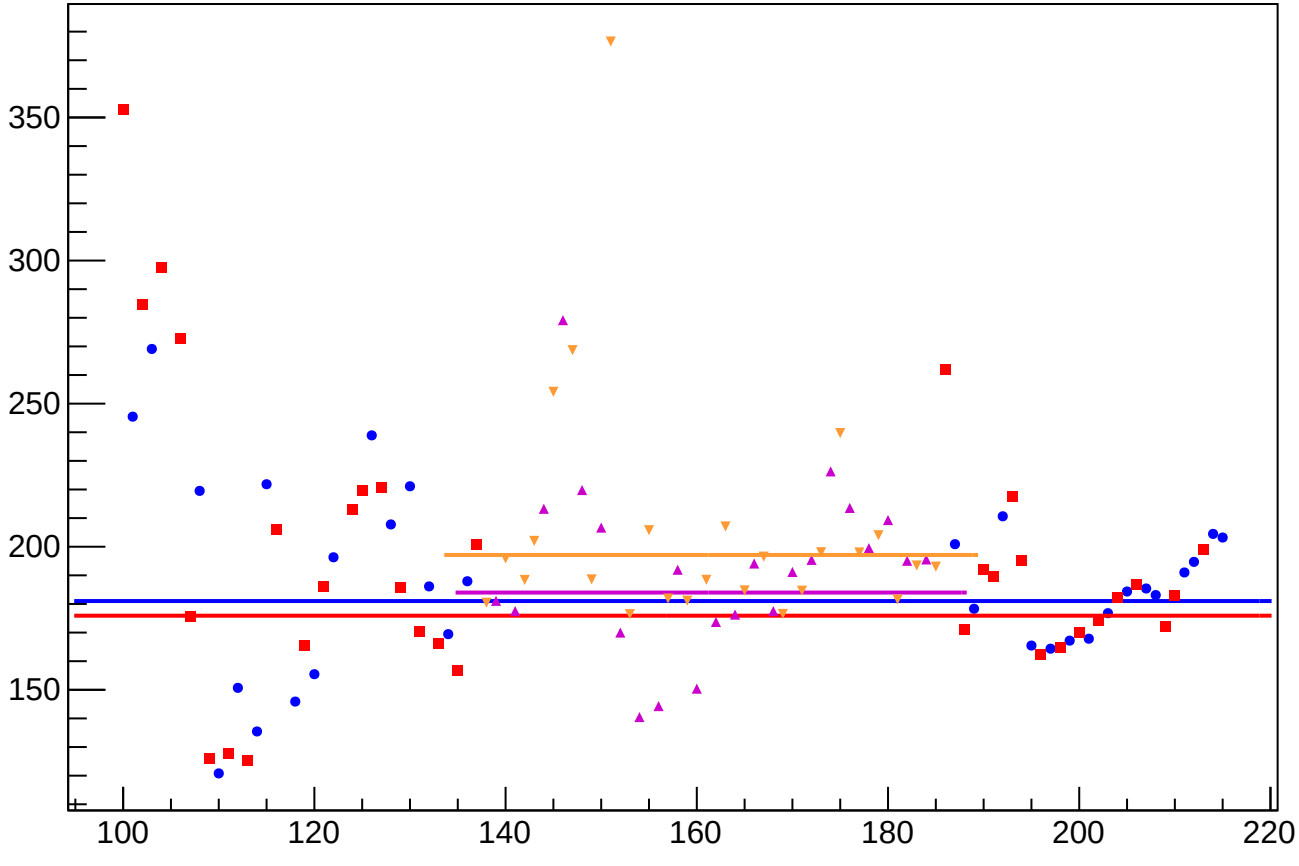
Right: 9753.766+/-29.461 χ^2/NDF: 176518.2/64

In: -98.256+/-30.440 χ^2/NDF:216399.7/53

Out: 532.693+/-30.661 χ^2/NDF:269329.7/58

All: 214.929+/-21.602 χ^2/NDF: 485942.6/112

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 181.014+/-0.030 χ^2/NDF: 835574.4/30

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 175.898+/-0.029 χ^2/NDF: 1235363.8/33

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

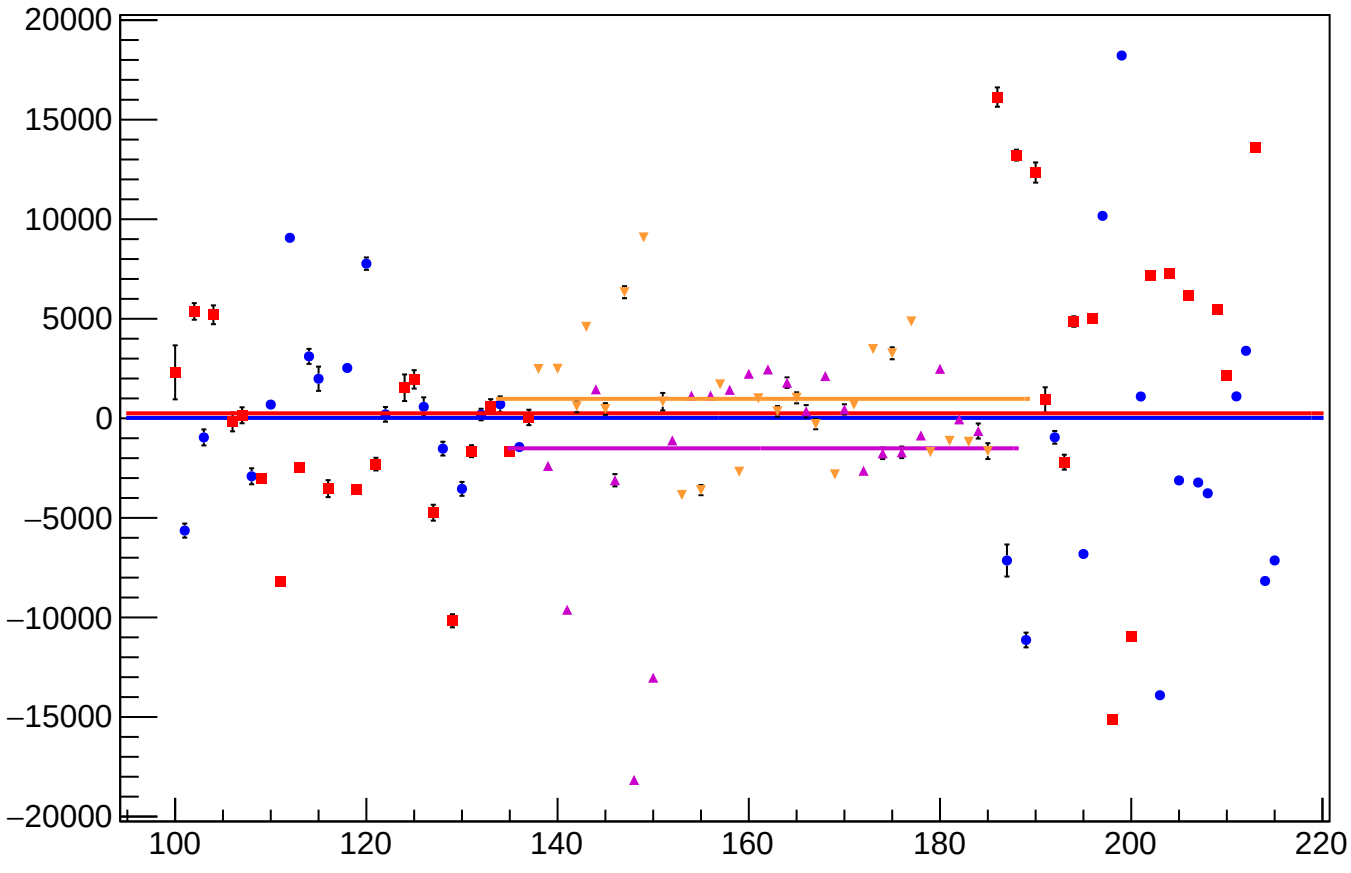
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 178.417+/-0.021 χ^2/NDF: 2086014.1/64

In: 182.424+/-0.022 χ^2/NDF:1670104.8/53

Out: 185.453+/-0.022 χ^2/NDF:2205107.9/58

All: 183.927+/-0.015 χ^2/NDF: 3885043.0/112



Right In: 21.514+/-47.127 χ^2/NDF: 23873.1/30

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 251.866+/-46.515 χ^2/NDF: 25350.0/33

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

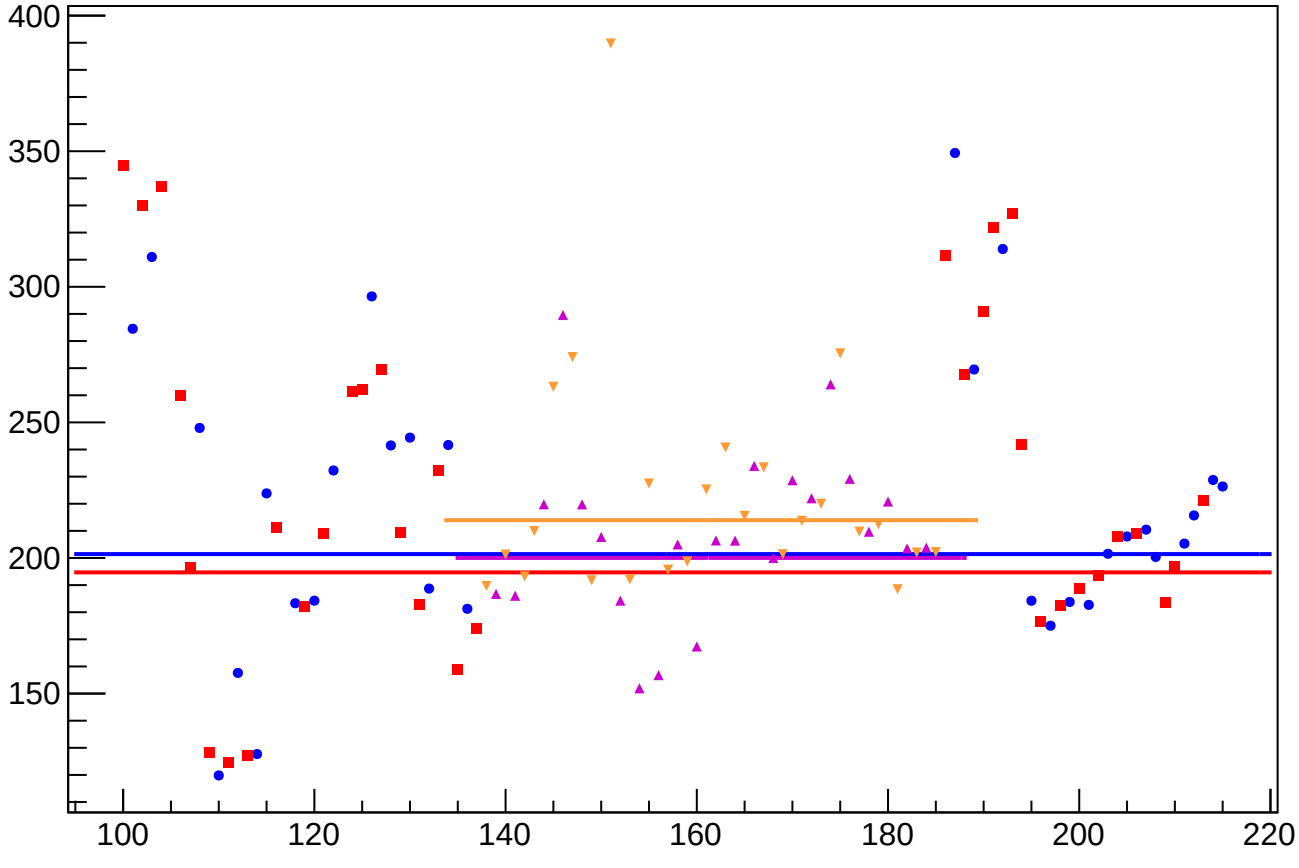
Right: 138.194+/-33.105 χ^2/NDF: 49235.2/64

In: -726.969+/-33.646 χ^2/NDF:35868.2/53

Out: 591.804+/-33.932 χ^2/NDF:29787.1/58

All: -73.166+/-23.891 χ^2/NDF: 66416.9/112

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 201.436+/-0.033 χ^2/NDF: 1516221.0/30

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.688+/-0.033 χ^2/NDF: 2286943.6/33

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

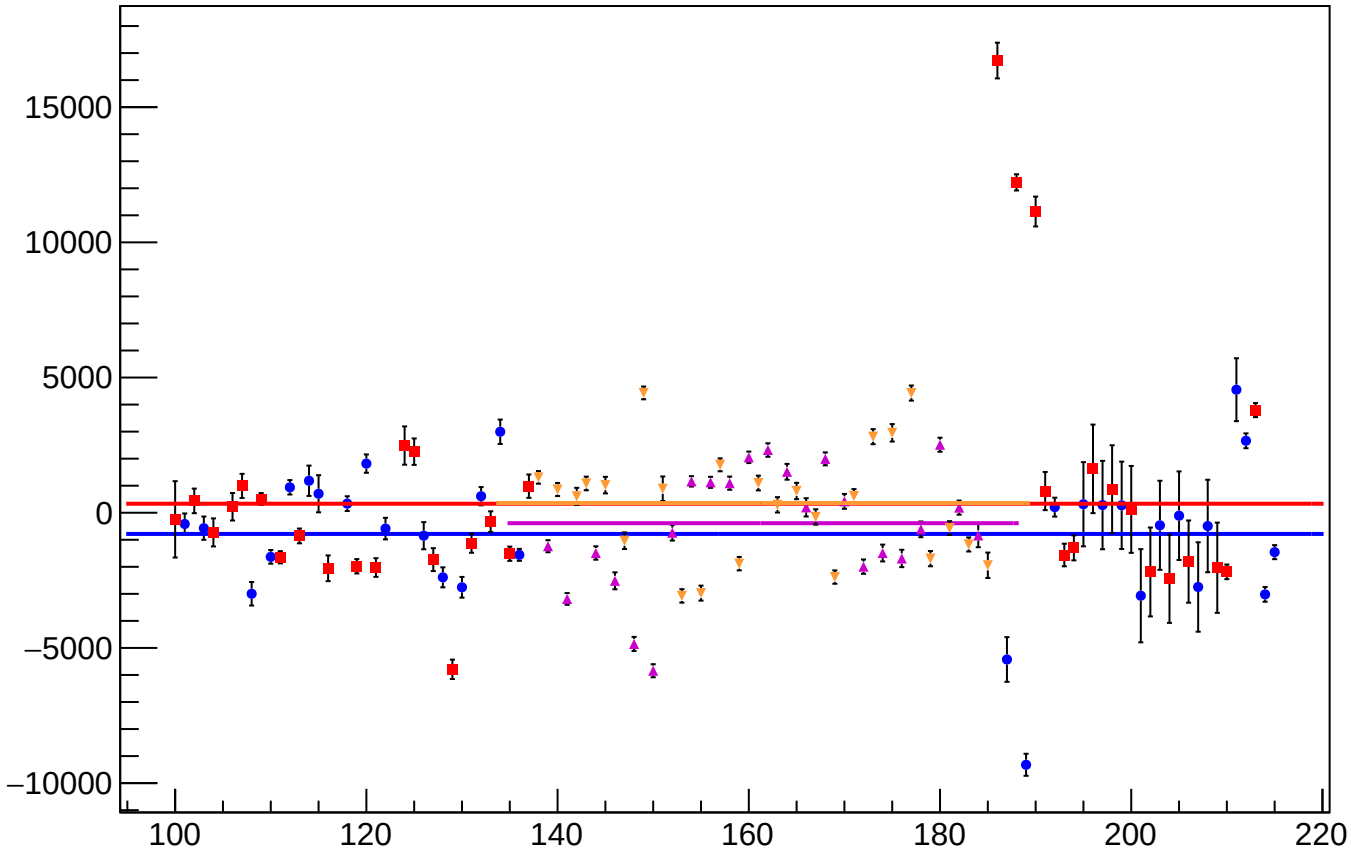
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 198.018+/-0.023 χ^2/NDF: 3823930.1/64

In: 200.747+/-0.024 χ^2/NDF:2302617.8/53

Out: 203.692+/-0.024 χ^2/NDF:3180721.9/58

All: 202.207+/-0.017 χ^2/NDF: 5490935.4/112



Right In: -783.966+/-71.793 χ^2/NDF: 1054.0/30

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 333.443+/-68.540 χ^2/NDF: 3542.8/33

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

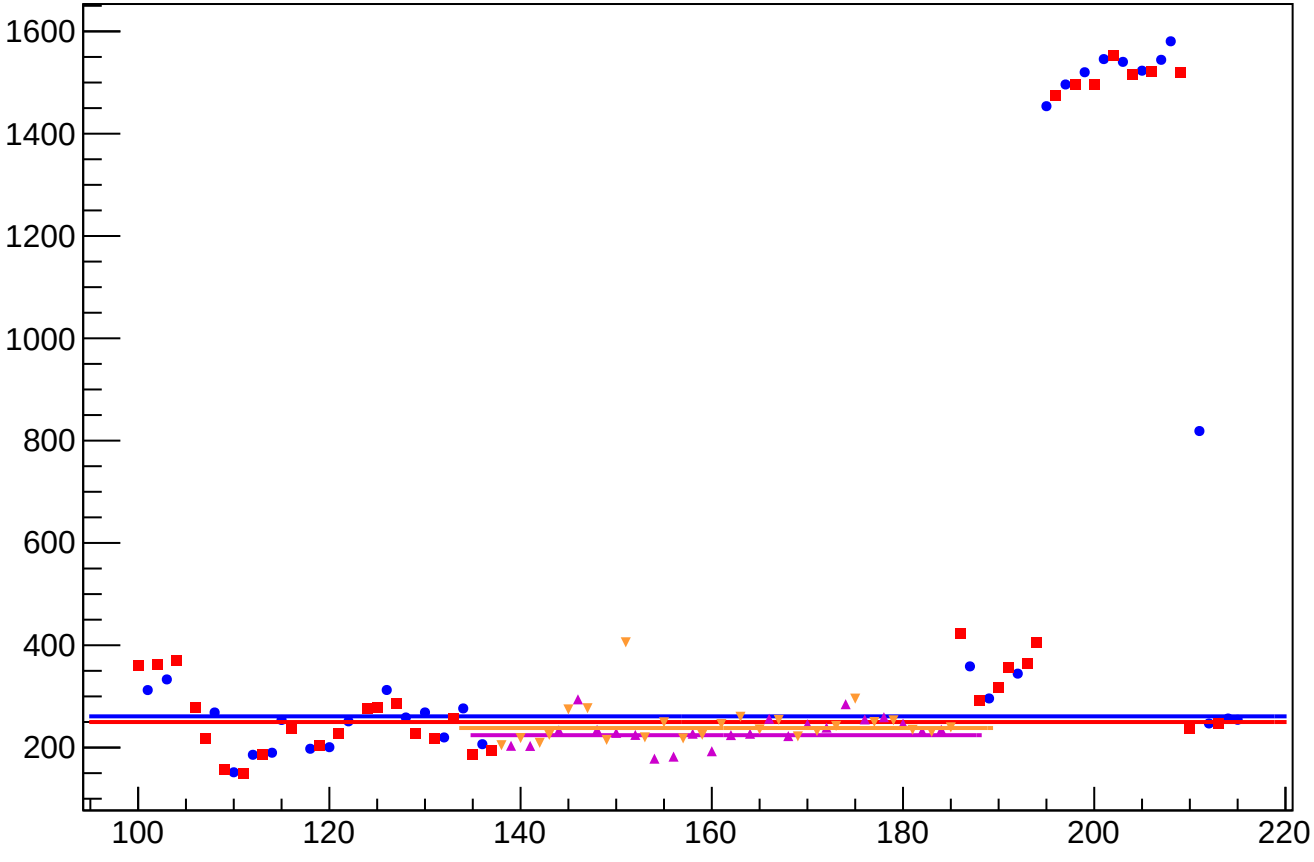
Right: -199.376+/-49.575 χ^2/NDF: 4723.5/64

In: -528.795+/-42.913 χ^2/NDF:2877.8/53

Out: 348.797+/-42.892 χ^2/NDF:4961.7/58

All: -89.787+/-30.337 χ^2/NDF: 8048.7/112

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 261.040+/-0.051 χ^2/NDF: 11061109.2/30

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 249.916+/-0.048 χ^2/NDF: 10529954.1/33

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

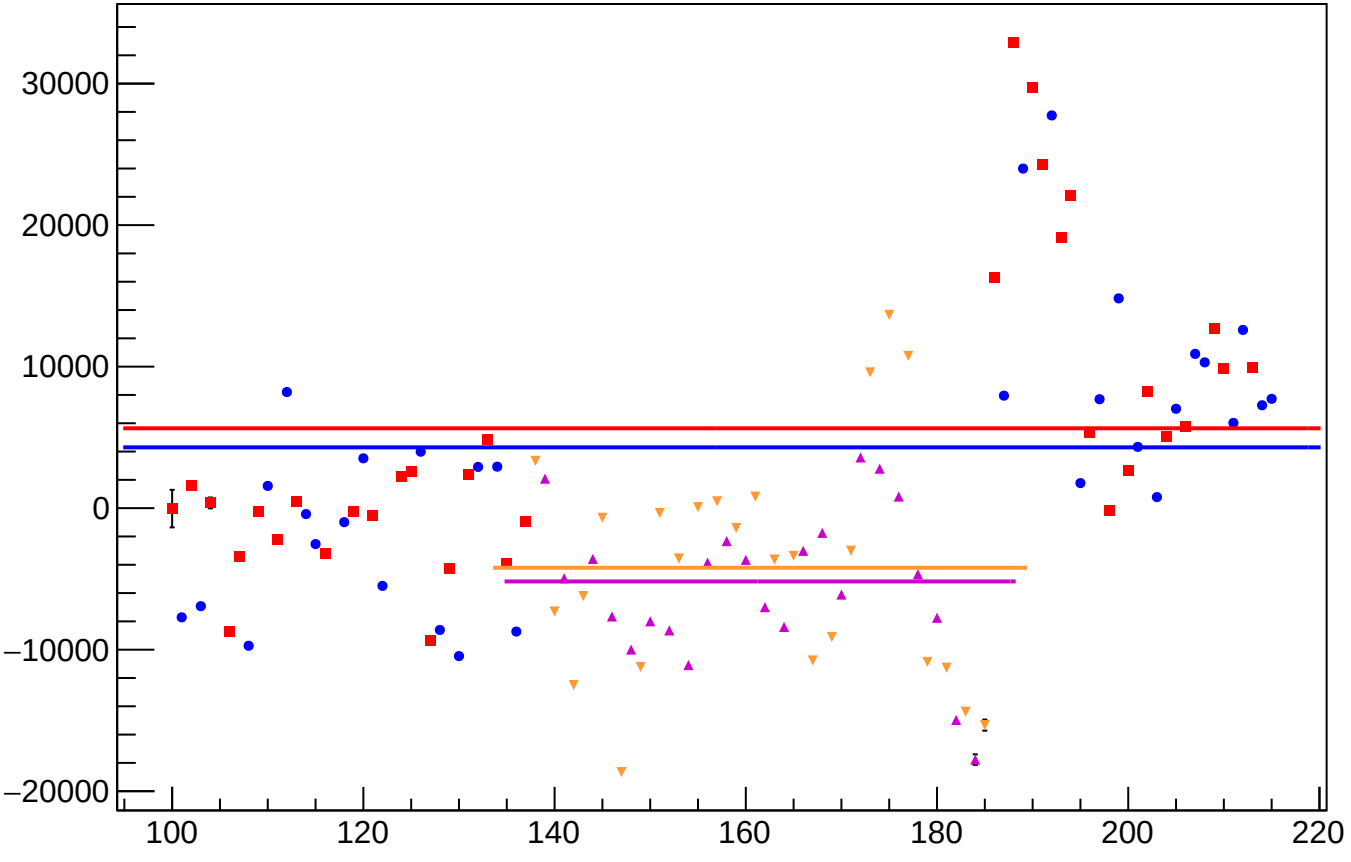
Right: 255.220+/-0.035 χ^2/NDF: 21616184.9/64

In: 237.370+/-0.030 χ^2/NDF:11962593.4/53

Out: 242.788+/-0.030 χ^2/NDF:11133445.3/58

All: 240.080+/-0.021 χ^2/NDF: 23111983.8/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4296.754+/-32.692 χ^2/NDF: 82067.2/30

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5643.449+/-31.831 χ^2/NDF: 105828.2/33

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

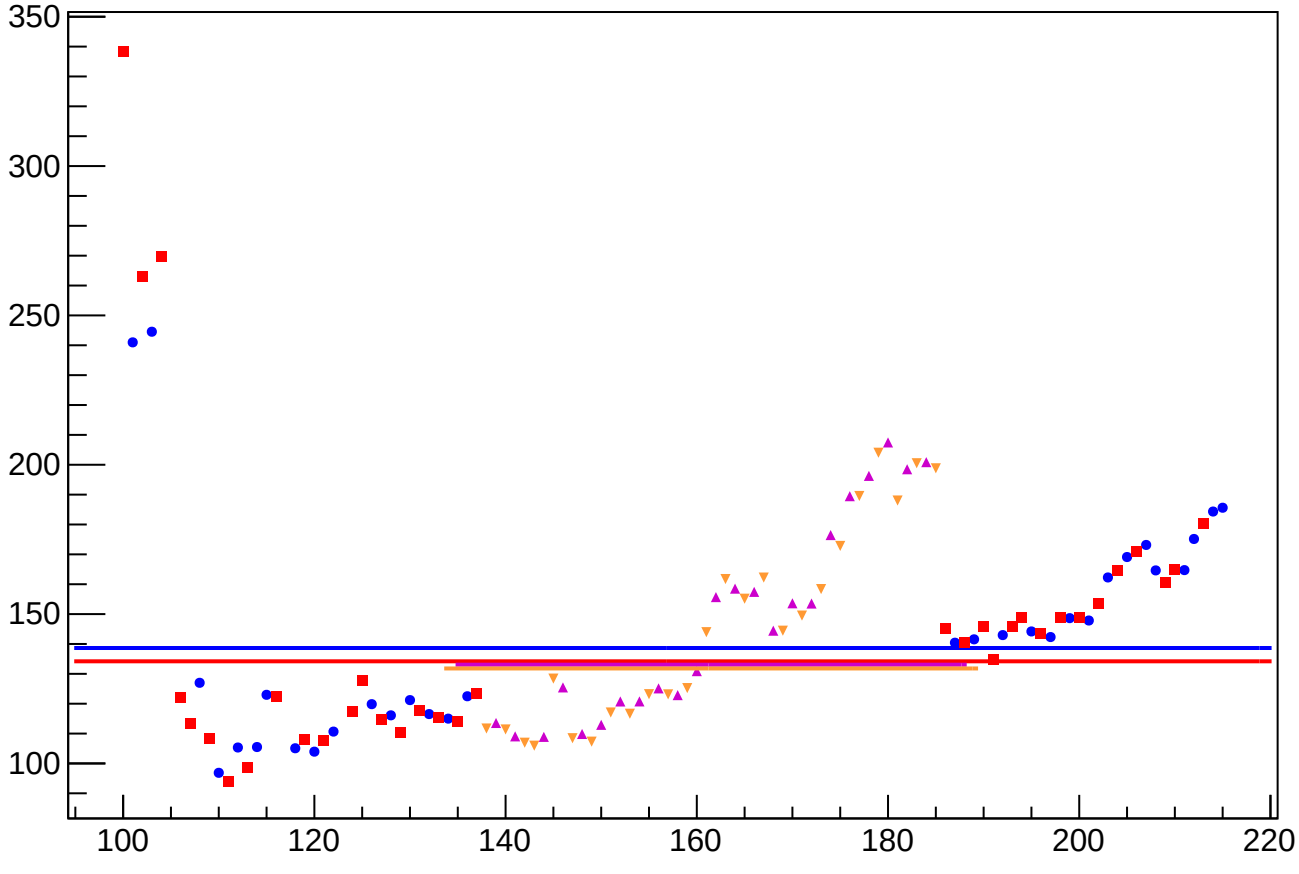
Right: 4988.069+/-22.806 χ^2/NDF: 188766.5/64

In: -546.633+/-22.857 χ^2/NDF:143546.3/53

Out: 558.754+/-22.145 χ^2/NDF:212082.0/58

All: 23.547+/-15.905 χ^2/NDF: 356834.7/112

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 138.649+/-0.023 χ^2/NDF: 1670189.0/30

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 134.194+/-0.023 χ^2/NDF: 1687957.6/33

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

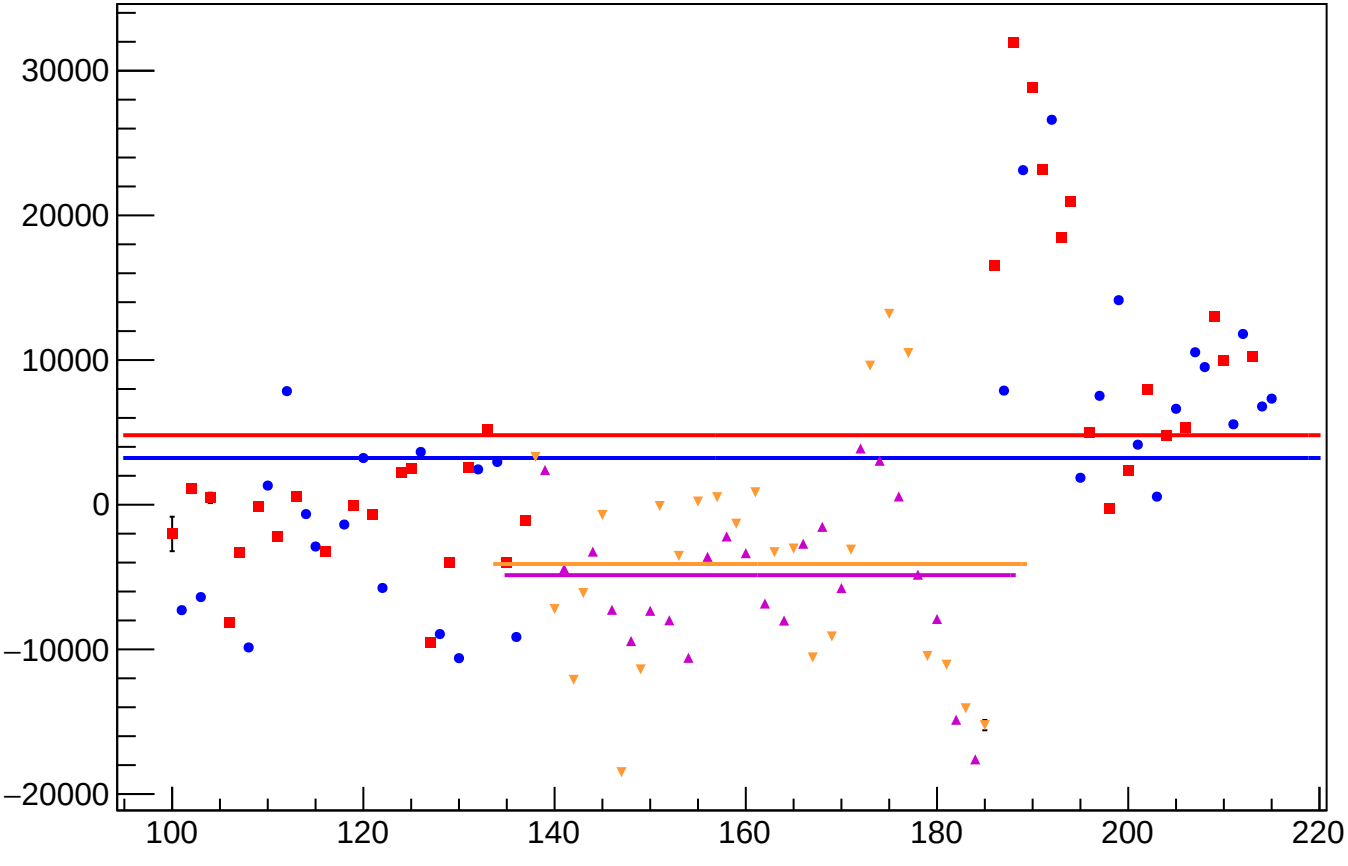
Right: 136.362+/-0.016 χ^2/NDF: 3377212.7/64

In: 135.793+/-0.016 χ^2/NDF:3118305.6/53

Out: 132.957+/-0.016 χ^2/NDF:3238145.9/58

All: 134.330+/-0.011 χ^2/NDF: 6372325.6/112

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 3229.487+/-30.079 χ^2/NDF: 90501.3/30

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4804.149+/-29.381 χ^2/NDF: 113059.9/33

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

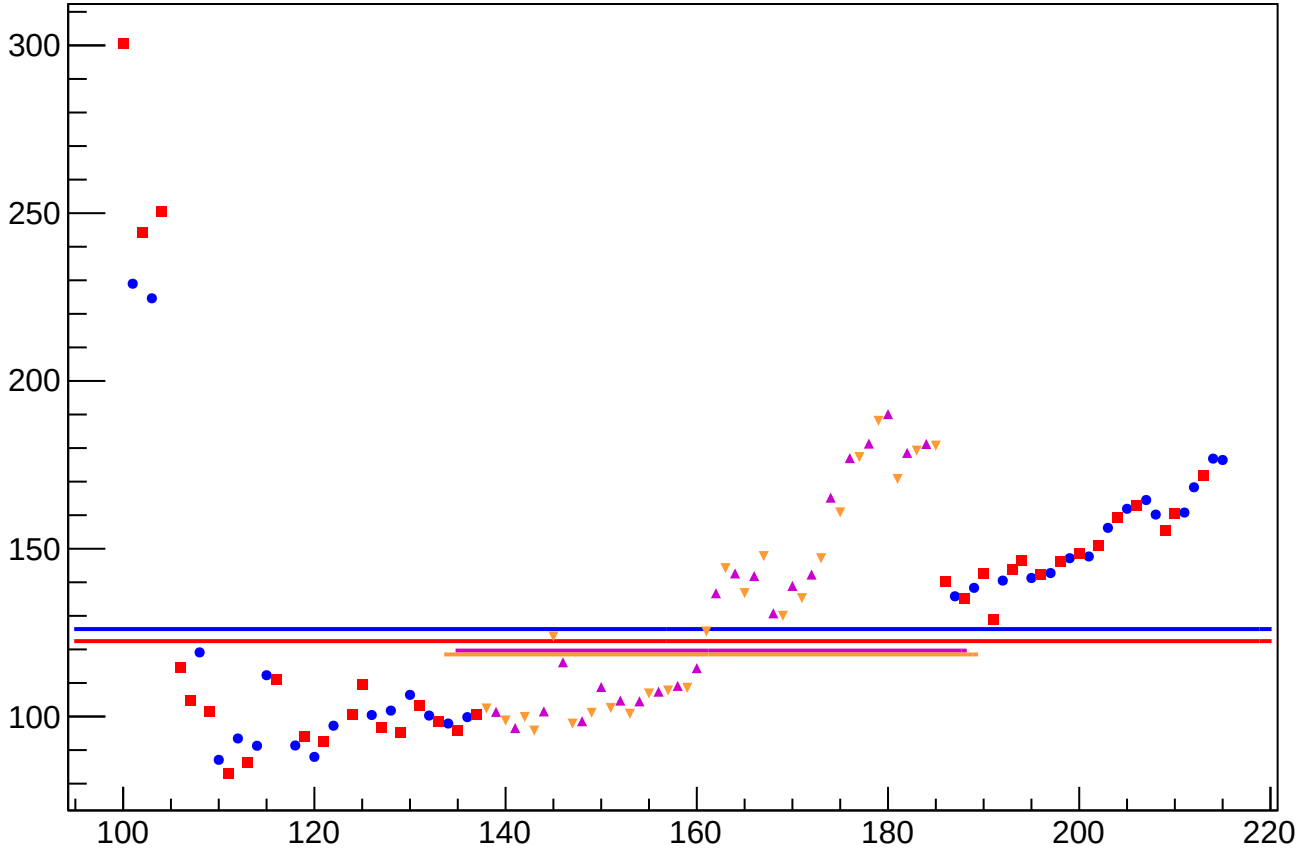
Right: 4035.302+/-21.018 χ^2/NDF: 204963.7/64

In: -994.738+/-20.805 χ^2/NDF:150229.9/53

Out: 102.109+/-20.182 χ^2/NDF:227826.1/58

All: -429.645+/-14.486 χ^2/NDF: 379487.9/11

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 126.059+/-0.021 χ^2/NDF: 2431631.2/30

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 122.471+/-0.021 χ^2/NDF: 2377701.0/33

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

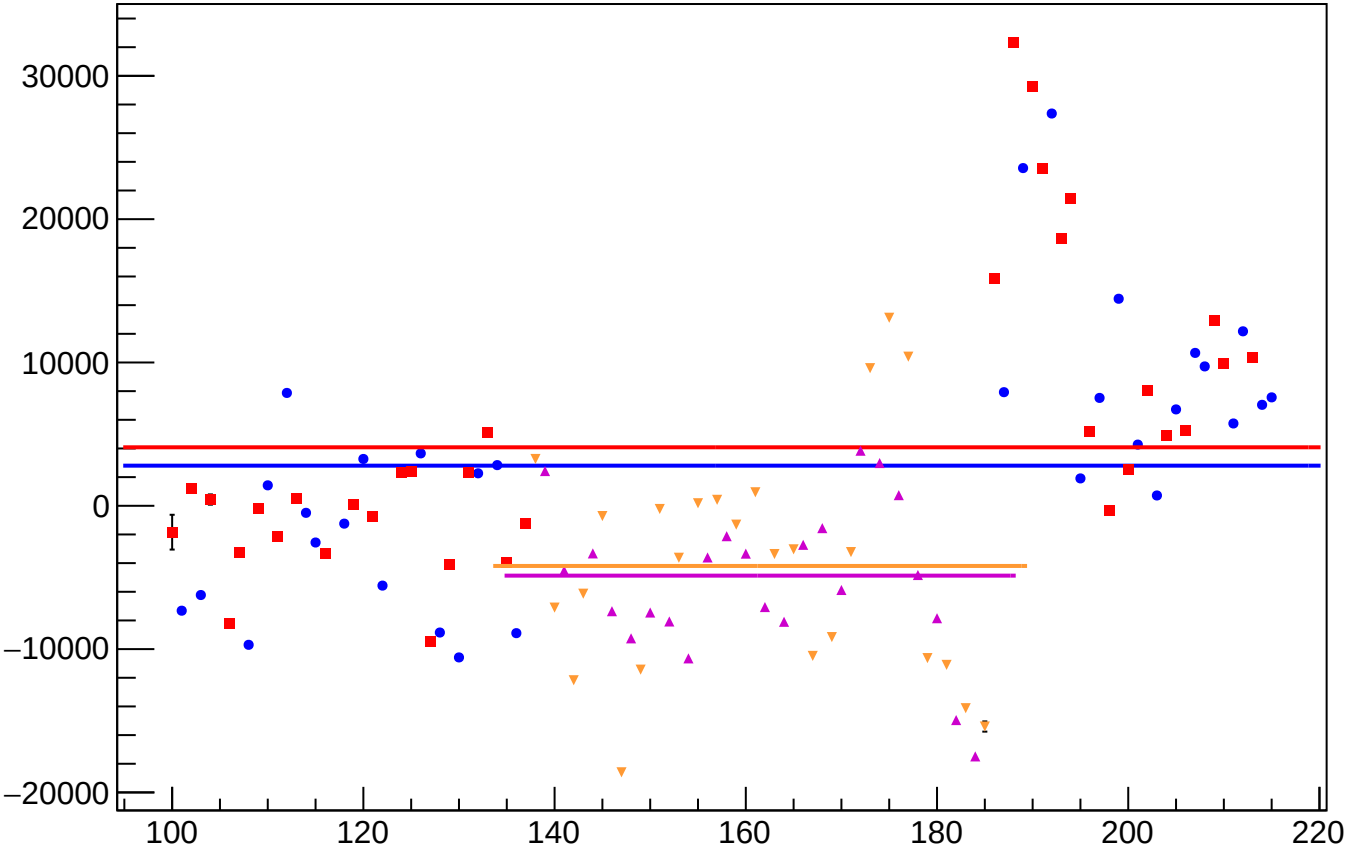
Right: 124.223+/-0.015 χ^2/NDF: 4823901.5/64

In: 122.714+/-0.015 χ^2/NDF:3991451.0/53

Out: 120.374+/-0.014 χ^2/NDF:4024115.0/58

All: 121.509+/-0.010 χ^2/NDF: 8028592.8/112

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 2800.817+/-29.970 χ^2/NDF: 89832.8/30

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 4081.764+/-29.161 χ^2/NDF: 106899.8/33

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

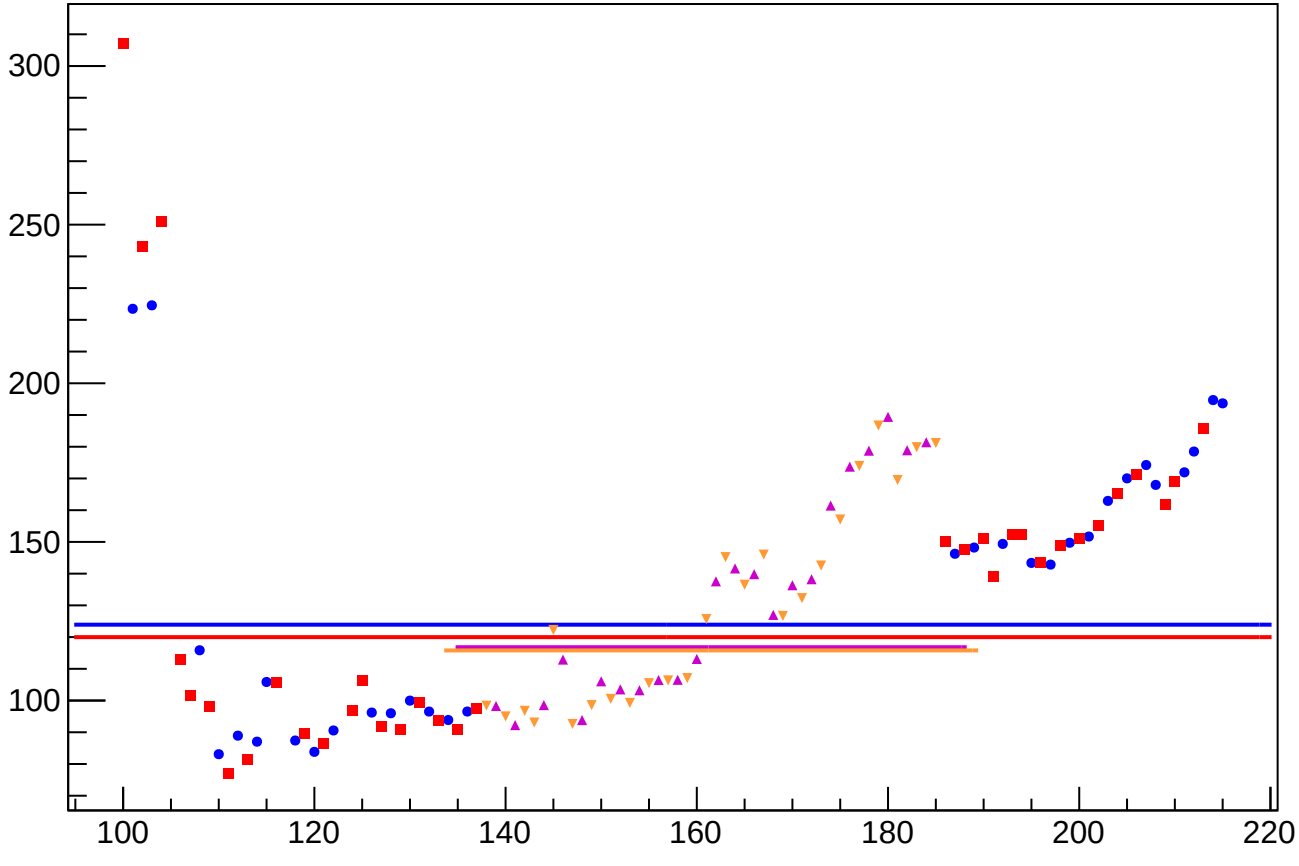
Right: 3458.810+/-20.900 χ^2/NDF: 197671.0/64

In: -1269.374+/-20.538 χ^2/NDF:147531.4/53

Out: -343.906+/-19.895 χ^2/NDF:220404.0/58

All: -791.923+/-14.290 χ^2/NDF: 368983.0/11

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 123.912+/-0.021 χ^2/NDF: 3263802.9/30

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 119.983+/-0.021 χ^2/NDF: 3174600.7/33

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

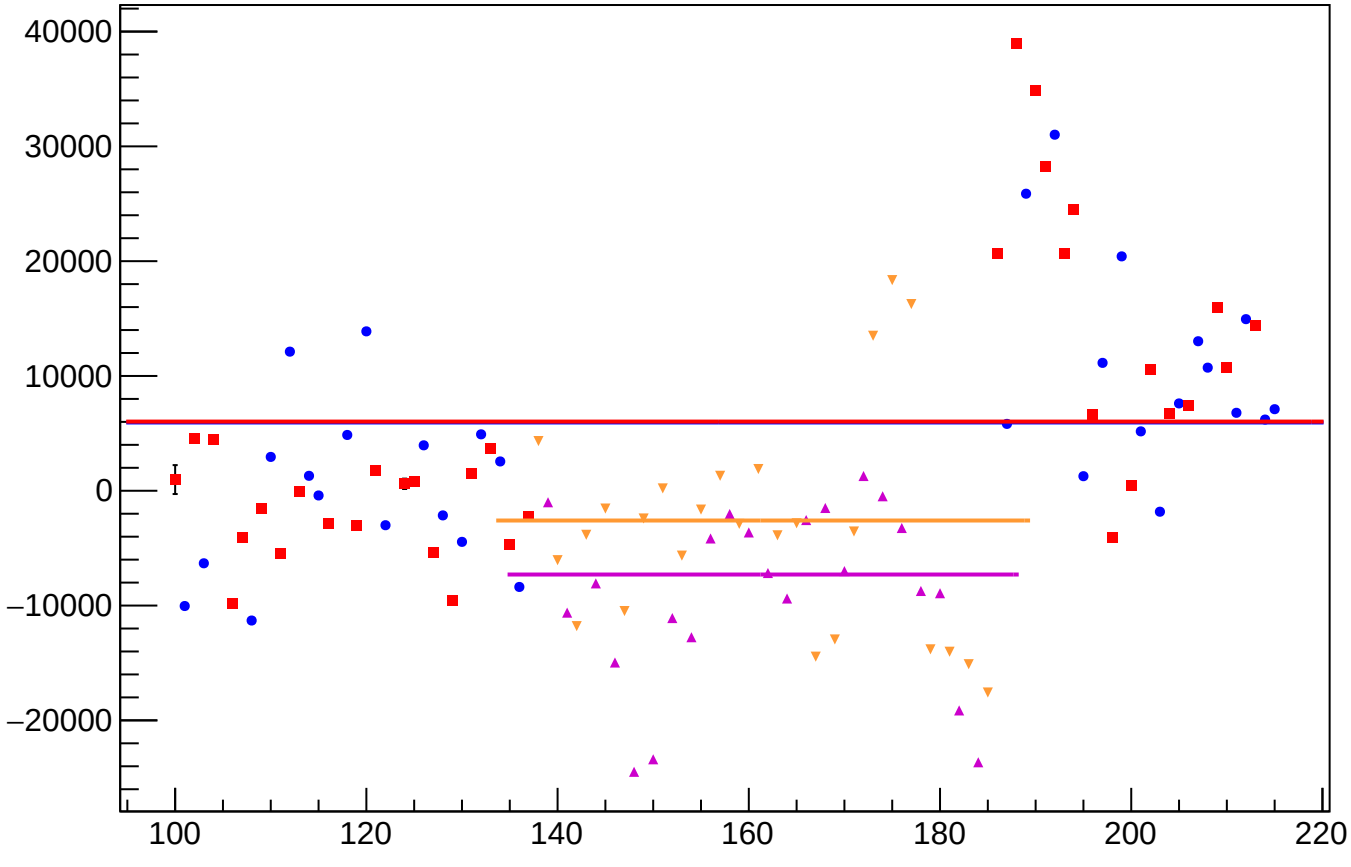
Right: 121.894+/-0.015 χ^2/NDF: 6456054.1/64

In: 120.144+/-0.015 χ^2/NDF:4941038.5/53

Out: 117.746+/-0.014 χ^2/NDF:4945646.9/58

All: 118.907+/-0.010 χ^2/NDF: 9900753.9/112

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5948.674+/-39.182 χ^2/NDF: 65940.0/30

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 6026.520+/-38.507 χ^2/NDF: 101472.4/33

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

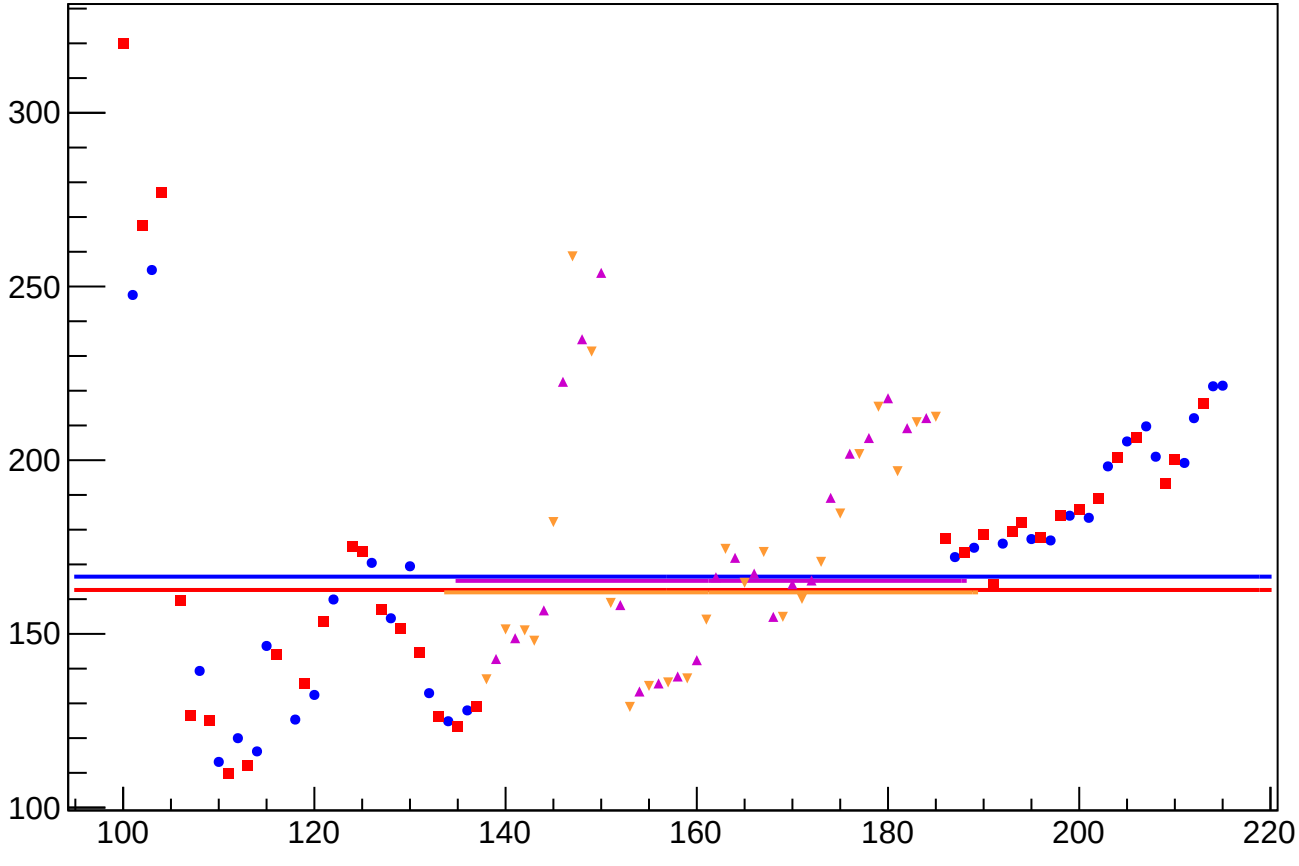
Right: 5988.274+/-27.464 χ^2/NDF: 167414.4/64

In: -607.585+/-27.844 χ^2/NDF:147245.7/53

Out: 1619.868+/-26.918 χ^2/NDF:175078.7/58

All: 543.803+/-19.353 χ^2/NDF: 325632.5/112

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 166.479+/-0.028 χ^2/NDF: 1744180.4/30

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 162.643+/-0.027 χ^2/NDF: 1696099.2/33

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

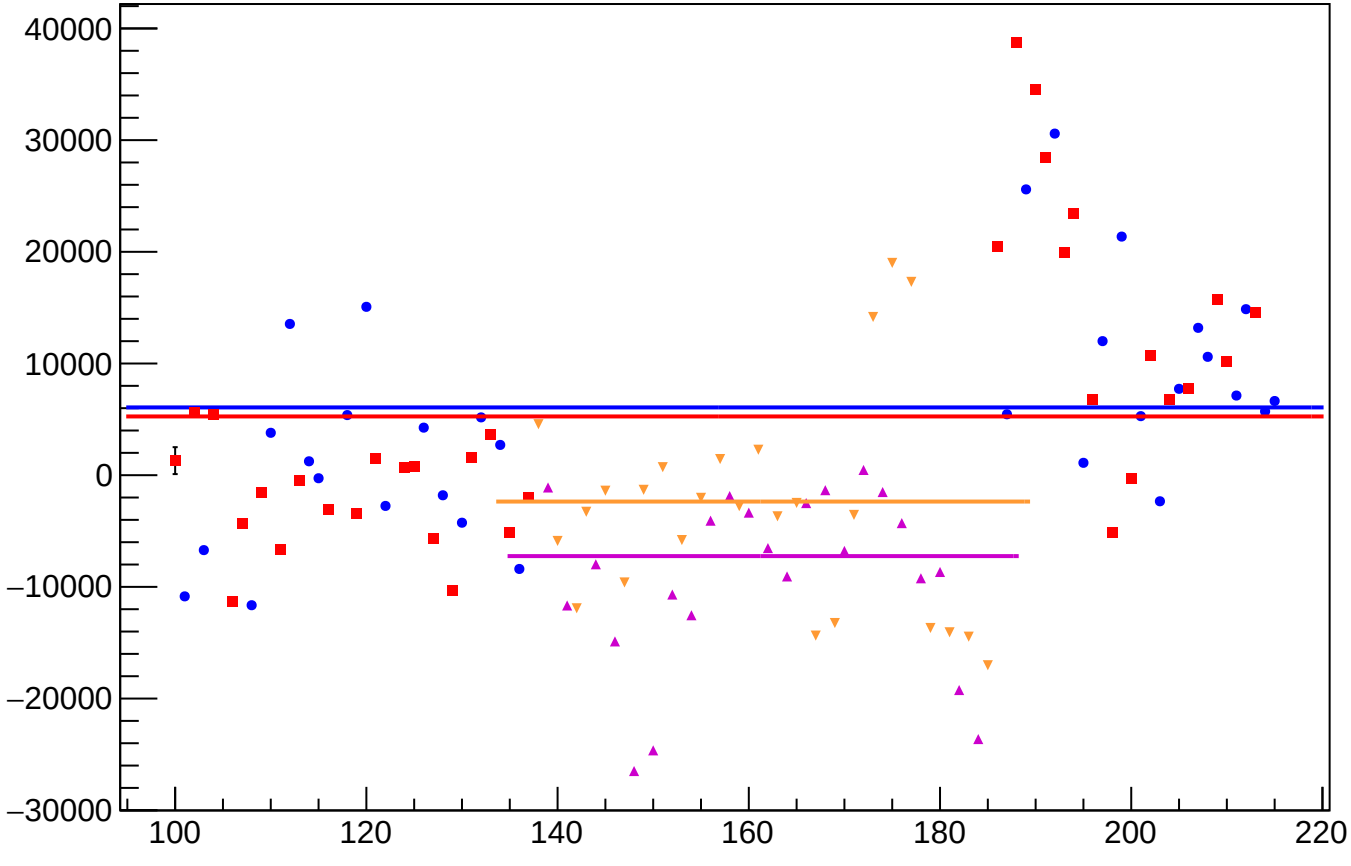
Right: 164.528+/-0.019 χ^2/NDF: 3450028.5/64

In: 165.882+/-0.020 χ^2/NDF:2924209.1/53

Out: 162.292+/-0.019 χ^2/NDF:2841232.2/58

All: 164.026+/-0.014 χ^2/NDF: 5782620.7/112

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 6068.375+/-33.413 χ^2/NDF: 91712.5/30

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 5259.803+/-32.600 χ^2/NDF: 141530.3/33

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

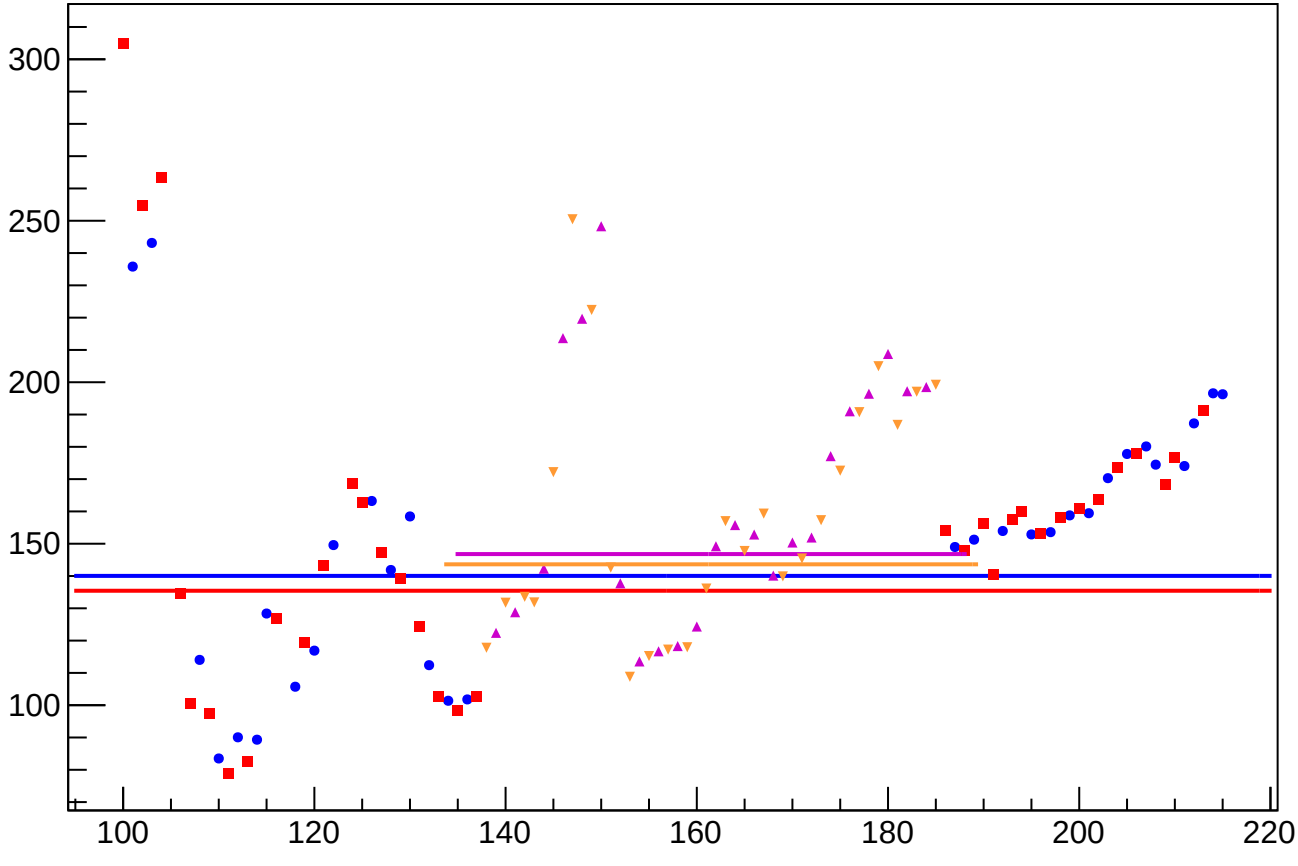
Right: 5654.133+/-23.334 χ^2/NDF: 233542.9/64

In: -183.992+/-24.333 χ^2/NDF:196719.3/53

Out: 1573.701+/-23.424 χ^2/NDF:226528.3/58

All: 728.297+/-16.876 χ^2/NDF: 425955.8/112

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 140.039+/-0.024 χ^2/NDF: 2552621.3/30

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 135.439+/-0.023 χ^2/NDF: 2649130.2/33

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

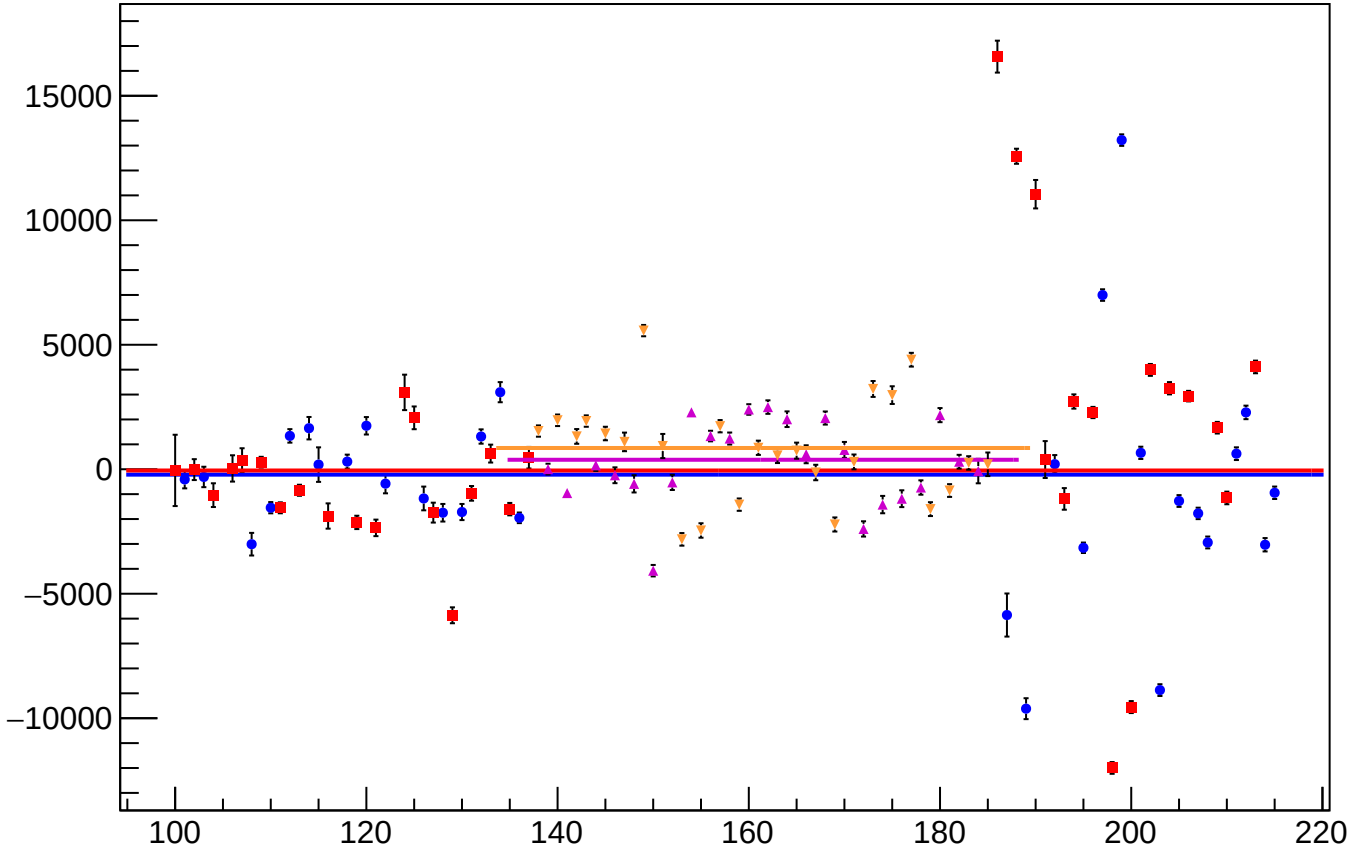
Right: 137.682+/-0.016 χ^2/NDF: 5221169.4/64

In: 143.211+/-0.017 χ^2/NDF:4285528.3/53

Out: 139.397+/-0.017 χ^2/NDF:4372909.8/58

All: 141.232+/-0.012 χ^2/NDF: 8683936.4/112

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -216.612+/-51.968 χ^2/NDF: 7213.1/30

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -50.041+/-52.184 χ^2/NDF: 8757.9/33

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

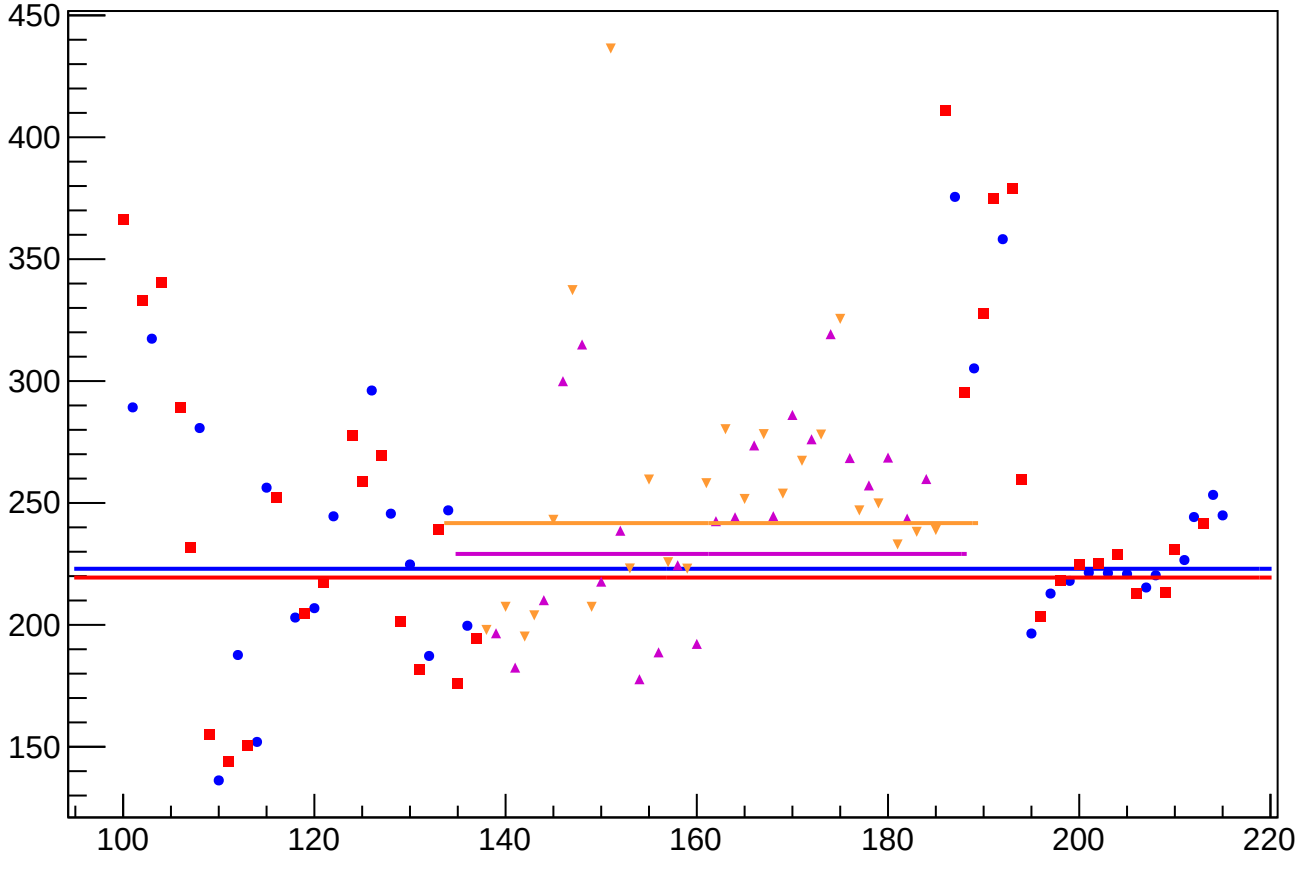
Right: -133.672+/-36.823 χ^2/NDF: 15976.2/64

In: 64.473+/-37.817 χ^2/NDF:8257.7/53

Out: 368.198+/-38.252 χ^2/NDF:10340.6/58

All: 214.597+/-26.893 χ^2/NDF: 18630.2/112

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 223.012+/-0.037 χ^2/NDF: 1233417.2/30

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 219.414+/-0.037 χ^2/NDF: 1931600.9/33

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

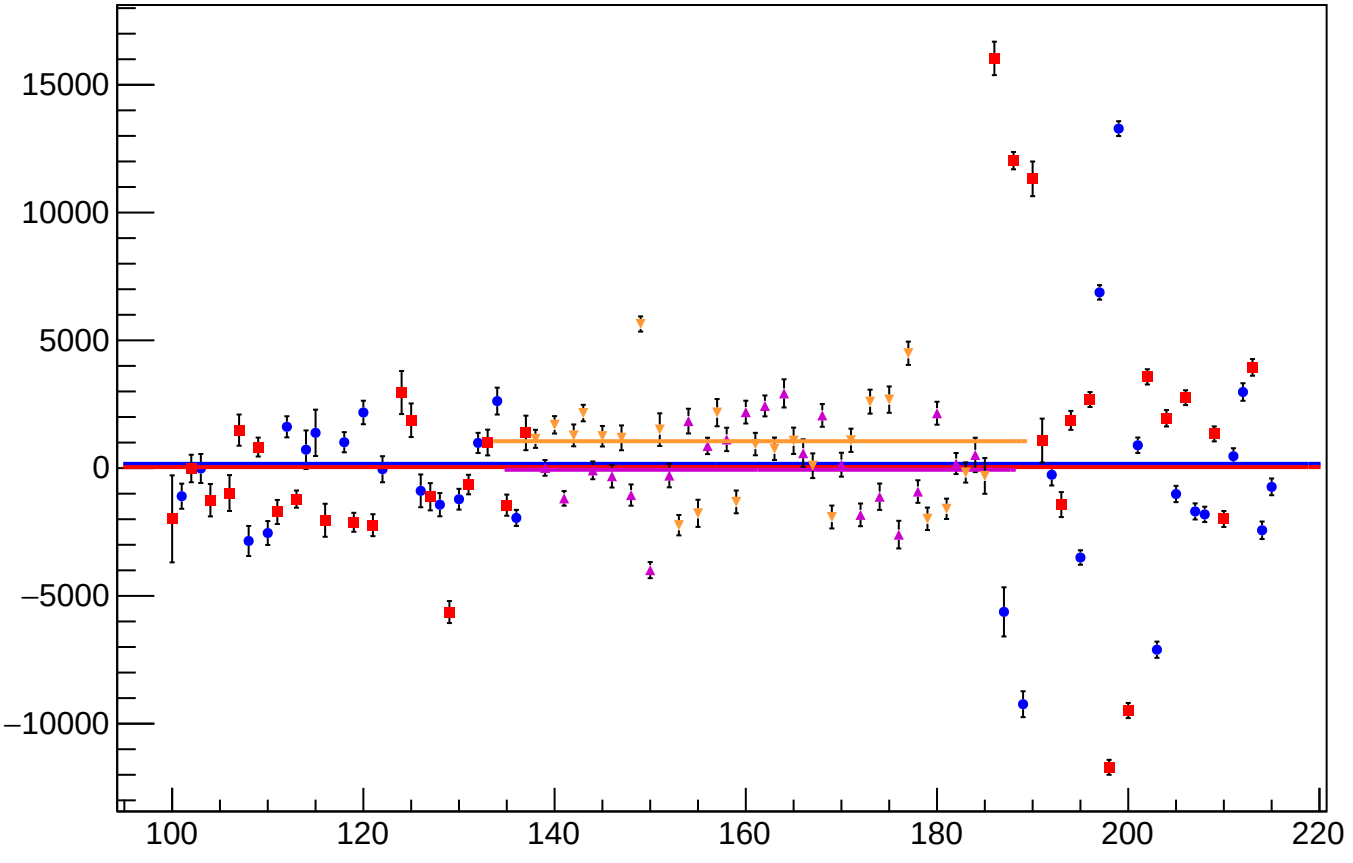
Right: 221.221+/-0.026 χ^2/NDF: 3169791.8/64

In: 225.878+/-0.027 χ^2/NDF:2315303.3/53

Out: 229.747+/-0.027 χ^2/NDF:3087451.7/58

All: 227.790+/-0.019 χ^2/NDF: 5413100.7/112

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 167.563+/-69.439 χ^2/NDF: 4103.6/30

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 39.995+/-70.186 χ^2/NDF: 5688.7/33

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

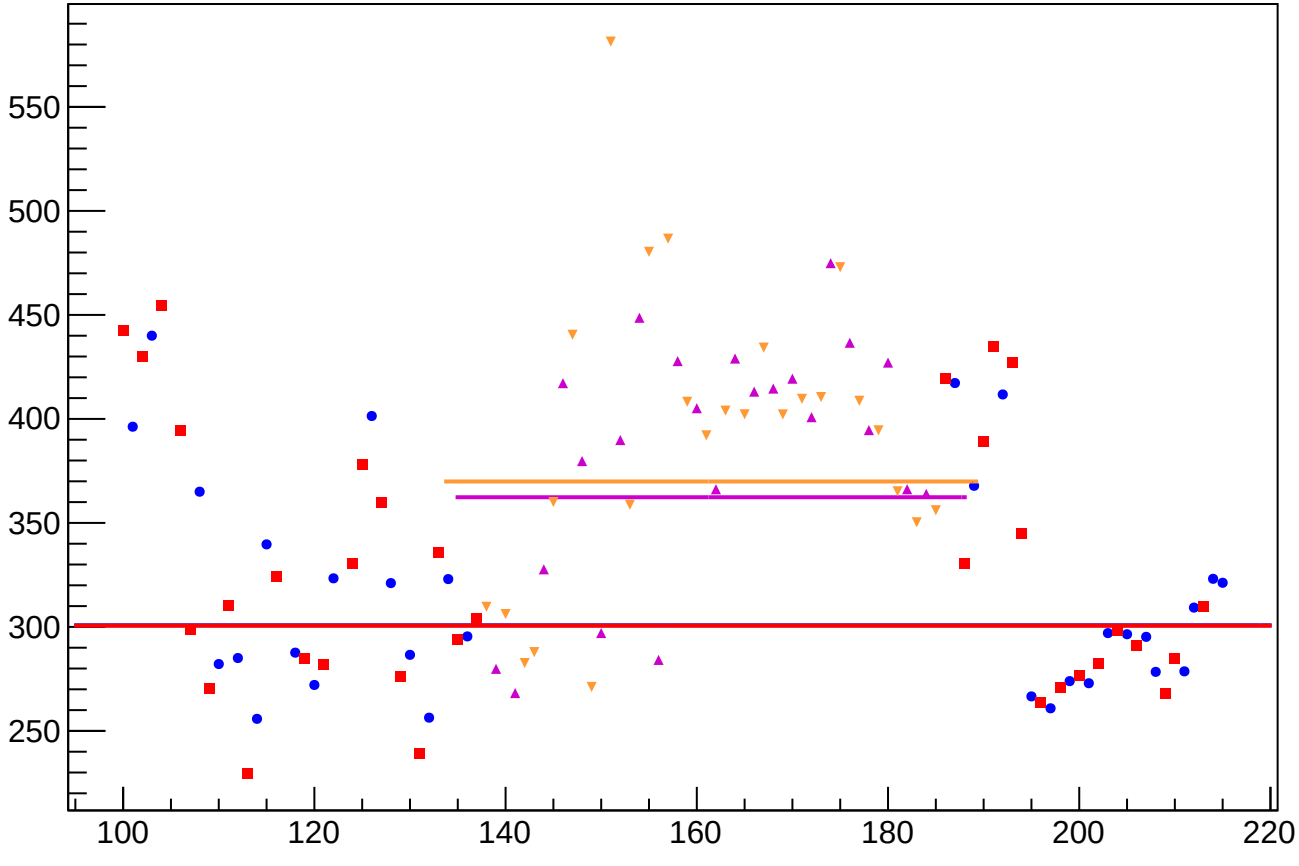
Right: 104.461+/-49.363 χ^2/NDF: 9793.9/64

In: 76.767+/-54.189 χ^2/NDF:4502.4/53

Out: 445.703+/-54.349 χ^2/NDF:6386.8/58

All: 260.689+/-38.374 χ^2/NDF: 10912.2/112

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 300.769+/-0.049 χ^2/NDF: 682614.8/30

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 300.587+/-0.050 χ^2/NDF: 954710.5/33

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

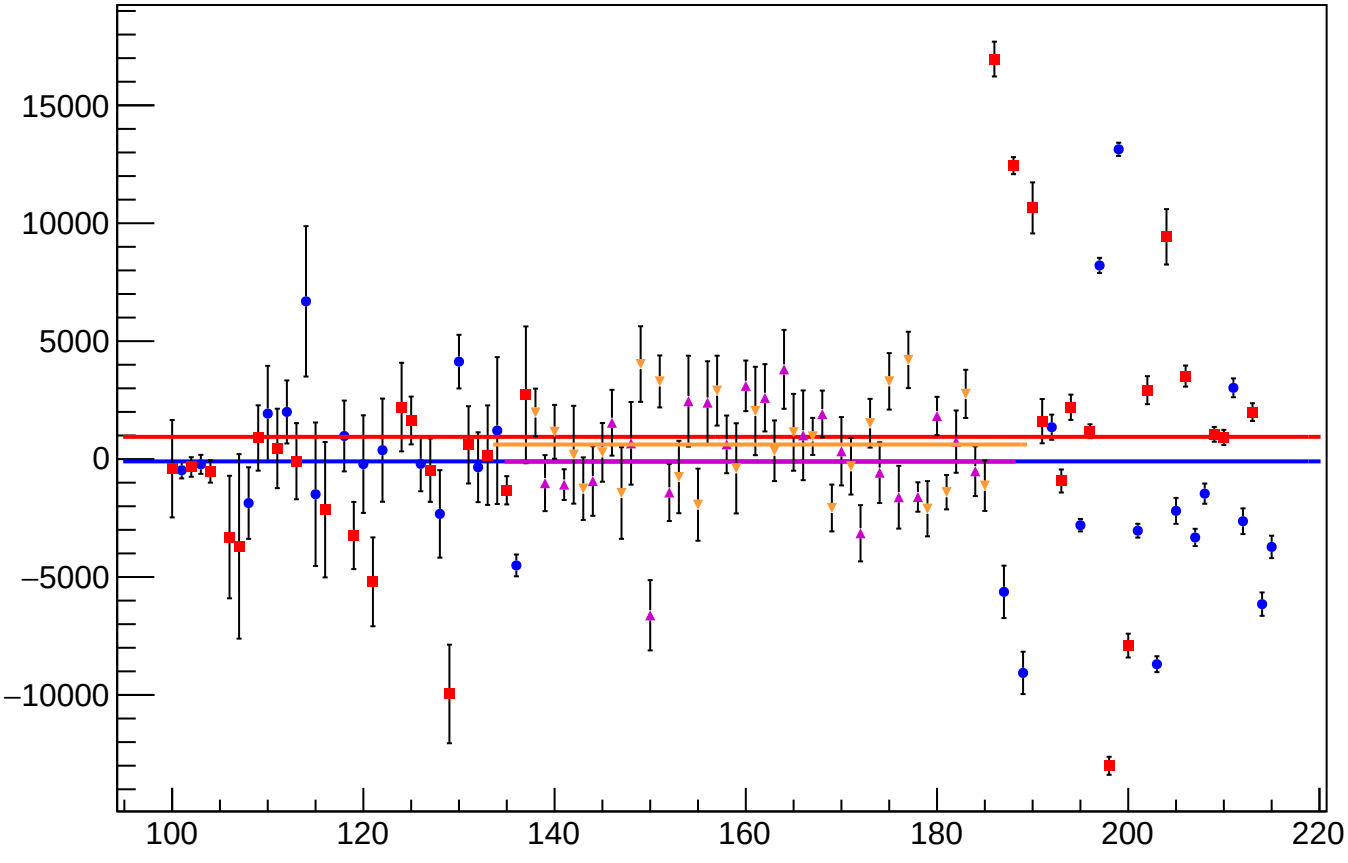
Right: 300.679+/-0.035 χ^2/NDF: 1637332.1/64

In: 324.844+/-0.038 χ^2/NDF:2350872.0/53

Out: 328.347+/-0.038 χ^2/NDF:2966465.9/58

All: 326.590+/-0.027 χ^2/NDF: 5321503.4/112

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -97.564+/-91.047 χ^2/NDF: 4374.0/30

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 942.719+/-102.400 χ^2/NDF: 3417.3/33

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

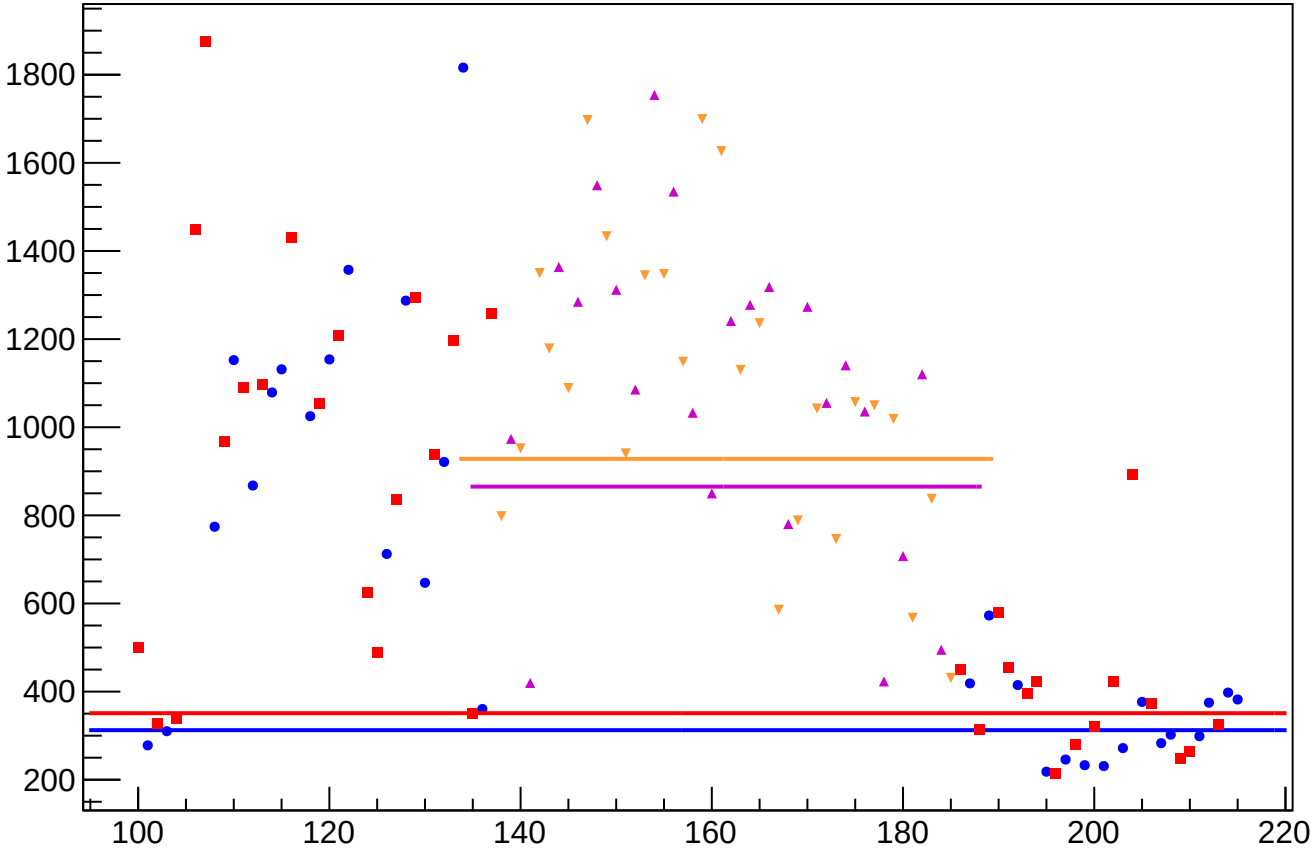
Right: 361.733+/-68.041 χ^2/NDF: 7849.0/64

In: -99.092+/-85.029 χ^2/NDF:4445.7/53

Out: 892.136+/-94.072 χ^2/NDF:3484.6/58

All: 346.598+/-63.080 χ^2/NDF: 7991.5/112

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 312.488+/-0.064 χ^2/NDF: 5294823.1/30

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 350.996+/-0.072 χ^2/NDF: 6160399.3/33

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

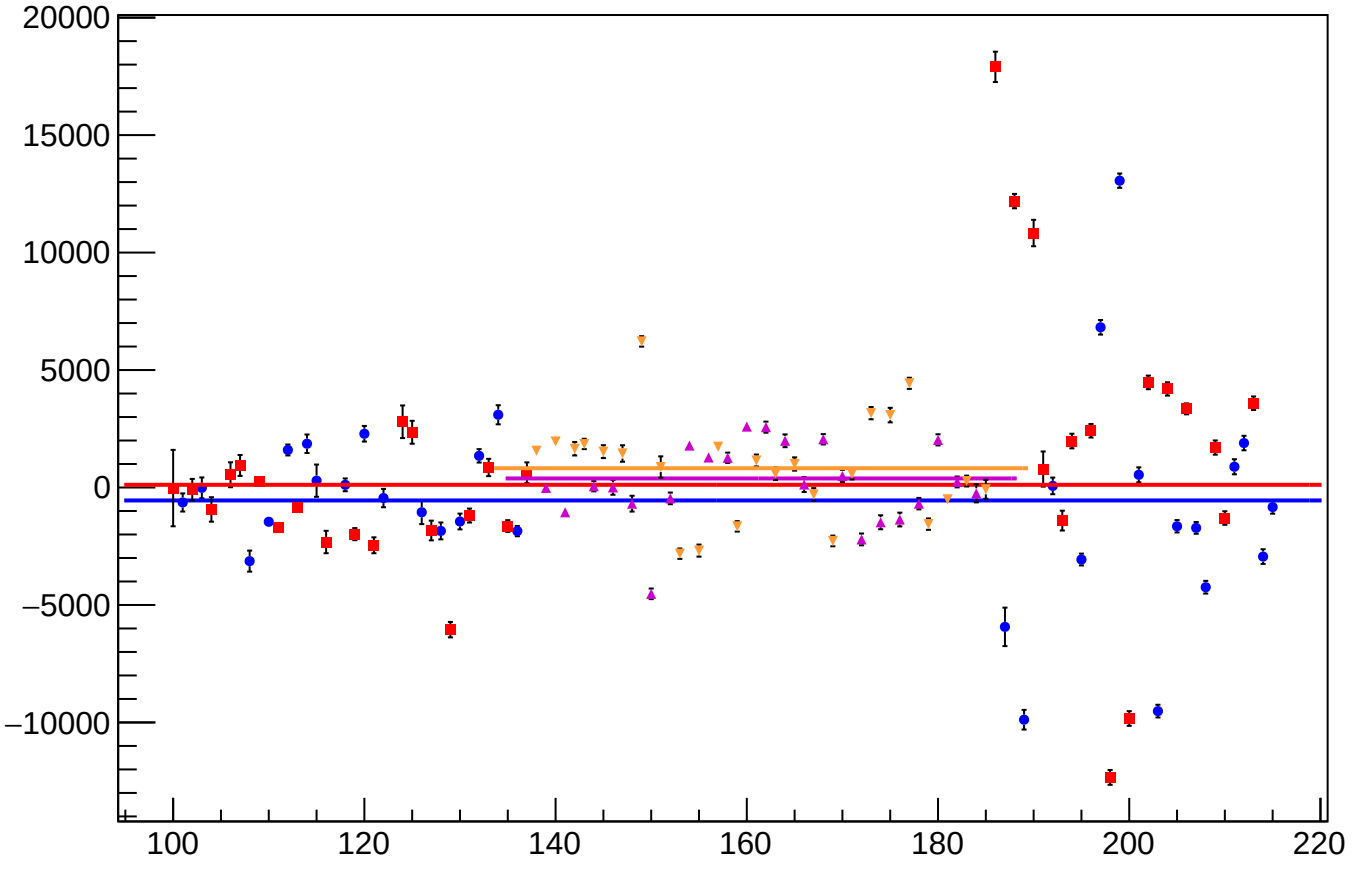
Right: 329.489+/-0.048 χ^2/NDF: 11613183.2/64

In: 383.140+/-0.060 χ^2/NDF:19509561.0/53

Out: 441.066+/-0.067 χ^2/NDF:19371926.6/58

All: 409.185+/-0.045 χ^2/NDF: 39298845.8/11

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -550.992+/-55.964 χ^2/NDF: 5115.8/30

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 114.822+/-54.933 χ^2/NDF: 6938.5/33

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

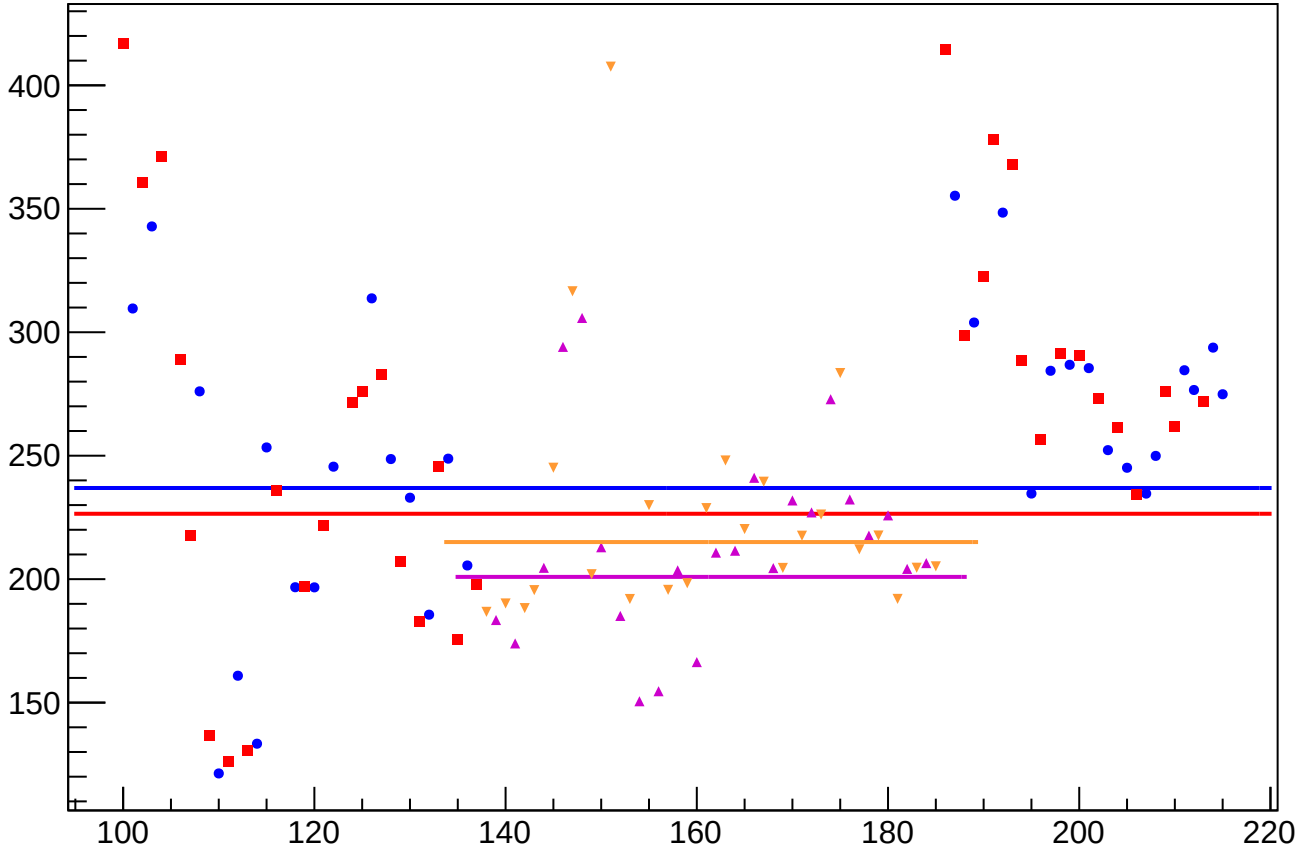
Right: -211.894+/-39.203 χ^2/NDF: 12126.4/64

In: -16.026+/-36.632 χ^2/NDF:6529.0/53

Out: 500.965+/-36.975 χ^2/NDF:9019.6/58

All: 240.061+/-26.023 χ^2/NDF: 15647.2/112

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 236.921+/-0.040 χ^2/NDF: 2064799.4/30

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 226.483+/-0.039 χ^2/NDF: 3227335.5/33

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

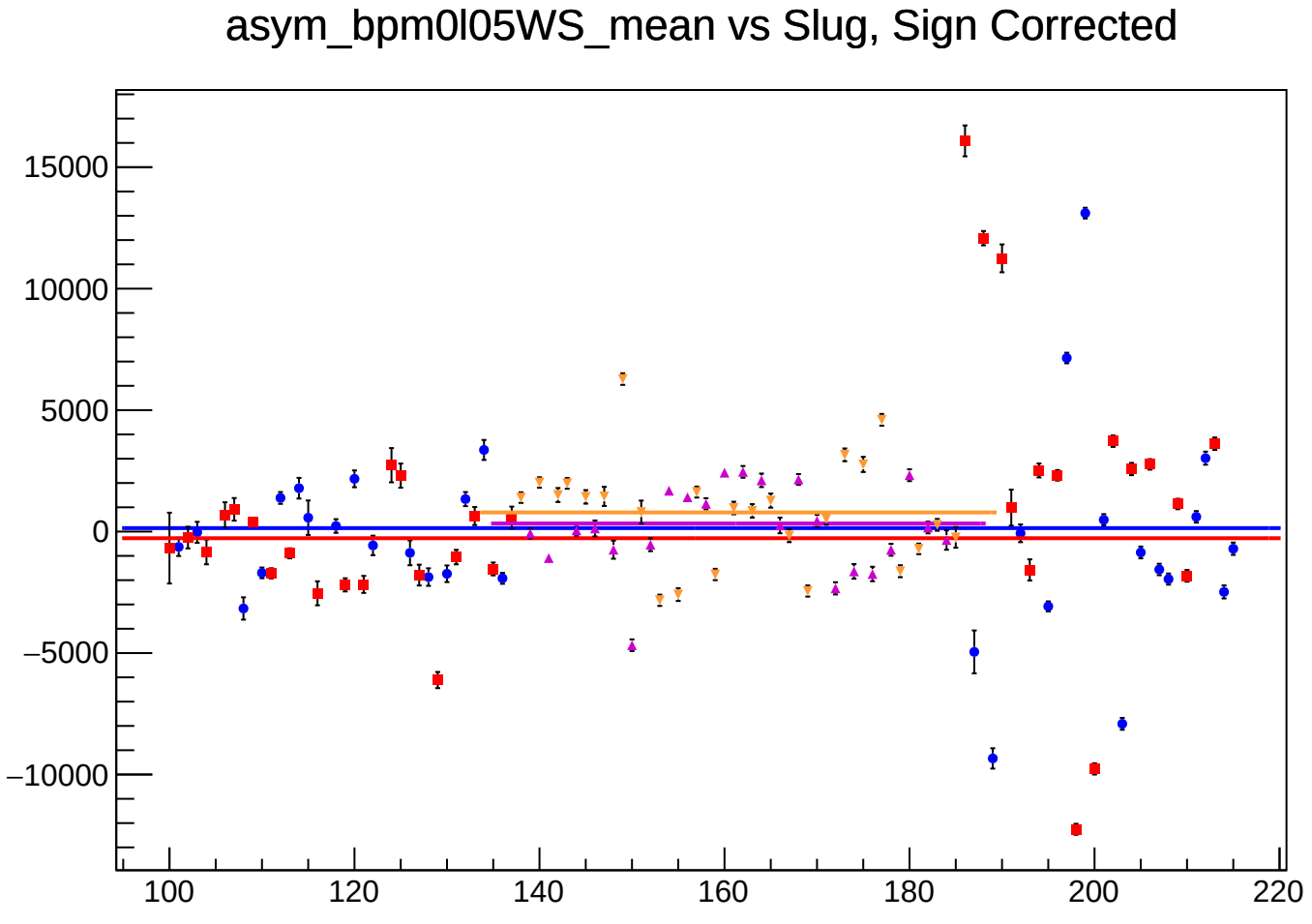
Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

Right: 231.605+/-0.028 χ^2/NDF: 5327567.5/64

In: 216.343+/-0.026 χ^2/NDF:3643752.6/53

Out: 220.217+/-0.026 χ^2/NDF:4172704.0/58

All: 218.262+/-0.018 χ^2/NDF: 7827537.3/112



Right In: 143.347+/-51.557 χ^2/NDF: 7157.5/30

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -273.211+/-51.487 χ^2/NDF: 9058.7/33

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

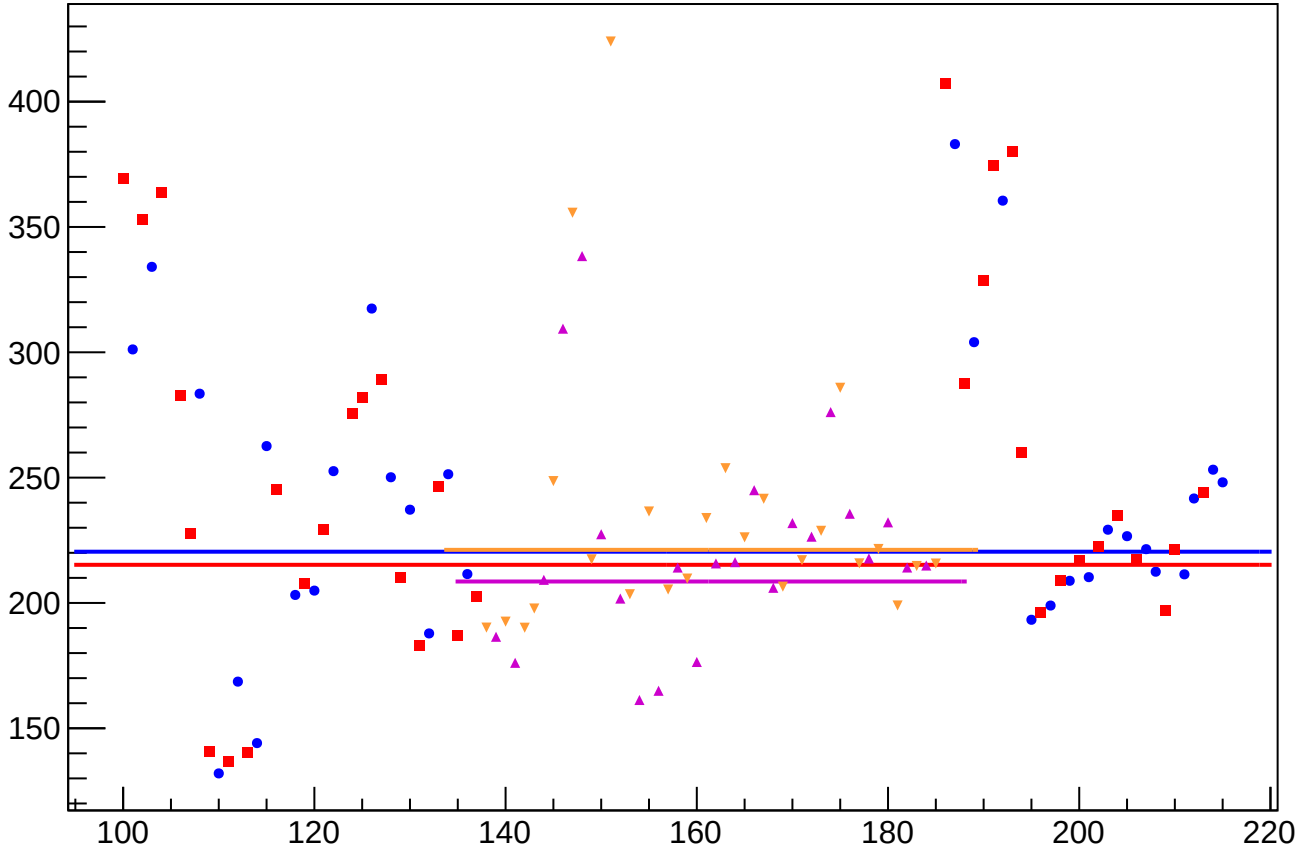
Right: -65.217+/-36.431 χ^2/NDF: 16248.8/64

In: 240.869+/-35.965 χ^2/NDF:8379.7/53

Out: 258.091+/-36.385 χ^2/NDF:11161.6/58

All: 249.380+/-25.578 χ^2/NDF: 19541.4/112

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 220.445+/-0.036 χ^2/NDF: 1487569.4/30

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 215.214+/-0.036 χ^2/NDF: 2306420.1/33

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

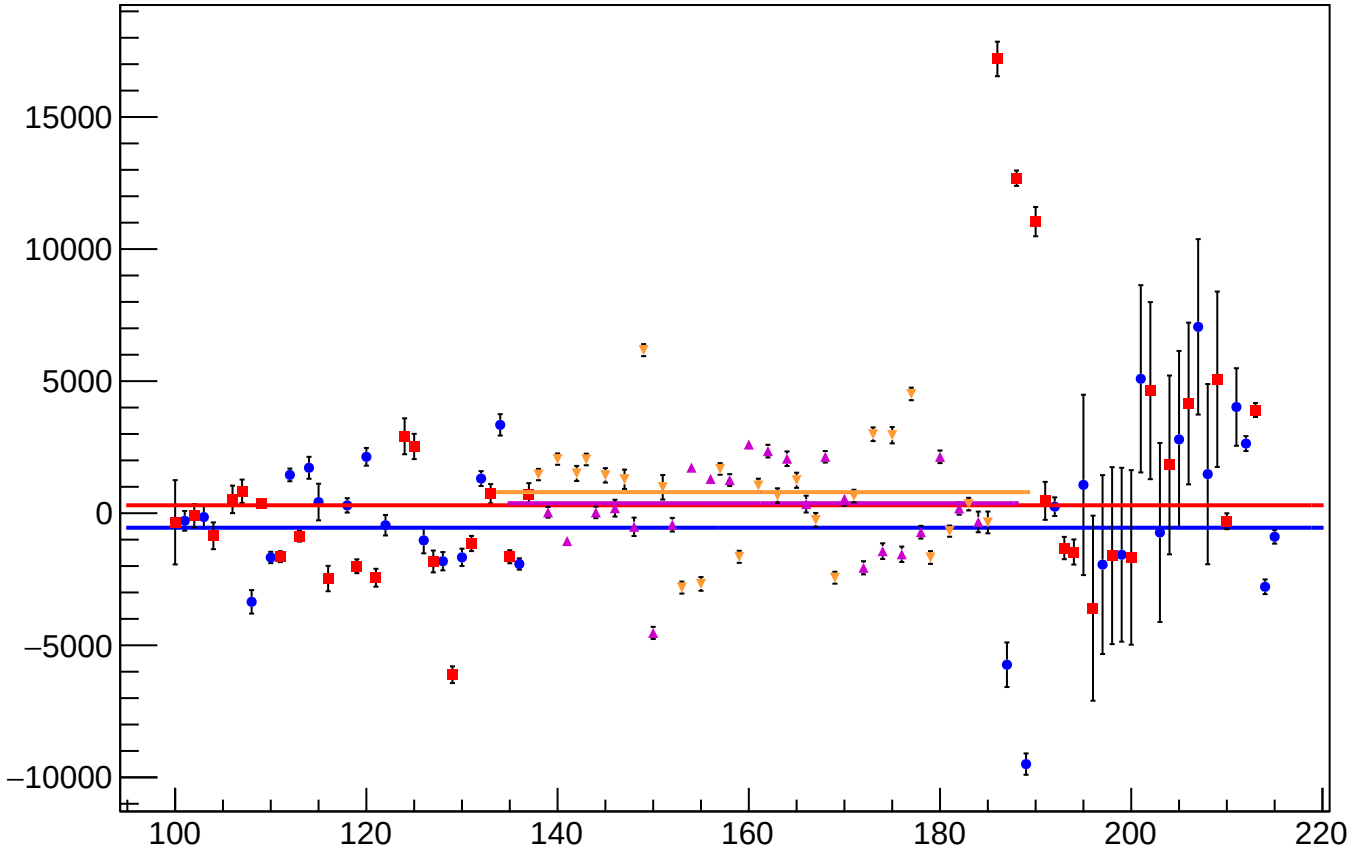
Right: 217.826+/-0.026 χ^2/NDF: 3804296.2/64

In: 214.341+/-0.025 χ^2/NDF:2577805.5/53

Out: 218.203+/-0.026 χ^2/NDF:3259405.3/58

All: 216.250+/-0.018 χ^2/NDF: 5848608.6/112

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -549.276+/-68.657 χ^2/NDF: 1189.5/30

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 300.625+/-64.397 χ^2/NDF: 3938.0/33

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

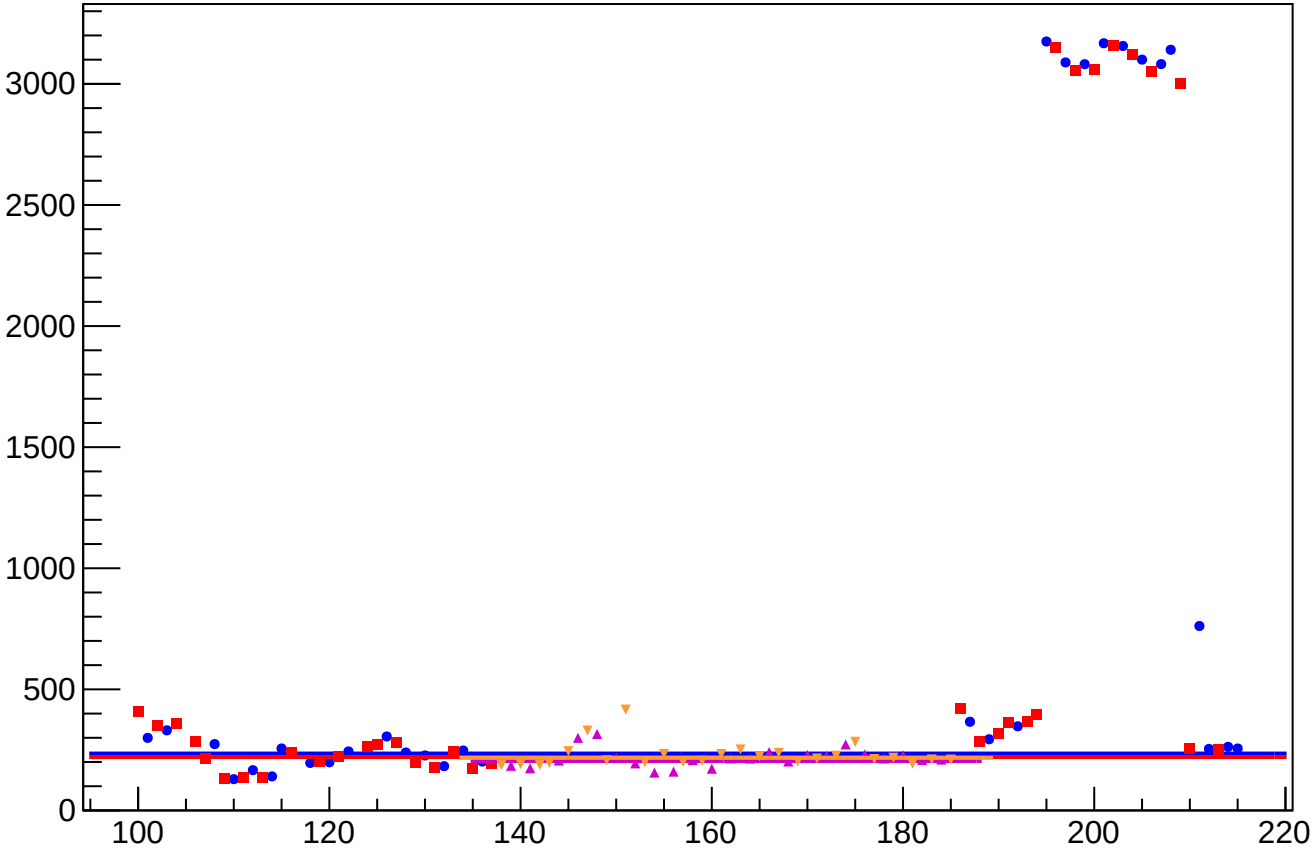
Right: -97.142+/-46.969 χ^2/NDF: 5209.0/64

In: 64.568+/-39.983 χ^2/NDF:2511.7/53

Out: 608.302+/-39.736 χ^2/NDF:5935.7/58

All: 338.119+/-28.184 χ^2/NDF: 8540.4/112

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 234.971+/-0.049 χ^2/NDF: 13379324.8/30

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 220.454+/-0.046 χ^2/NDF: 13154602.3/33

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

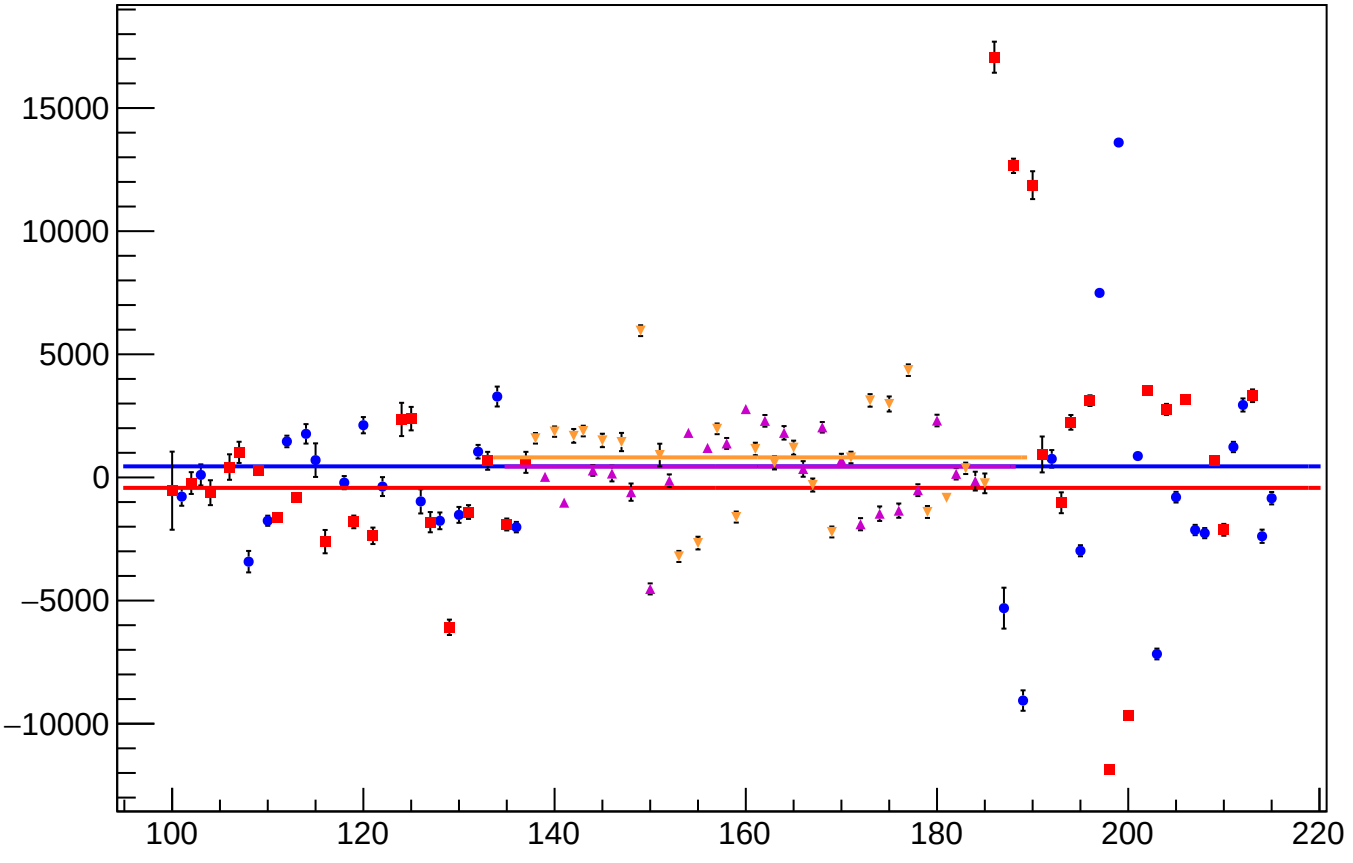
Right: 227.248+/-0.033 χ^2/NDF: 26581495.0/64

In: 214.707+/-0.028 χ^2/NDF:14658011.7/53

Out: 218.454+/-0.028 χ^2/NDF:14068162.8/58

All: 216.592+/-0.020 χ^2/NDF: 28735011.7/11

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 449.503+/-48.190 χ^2/NDF: 9356.2/30

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -424.170+/-48.036 χ^2/NDF: 10939.2/33

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

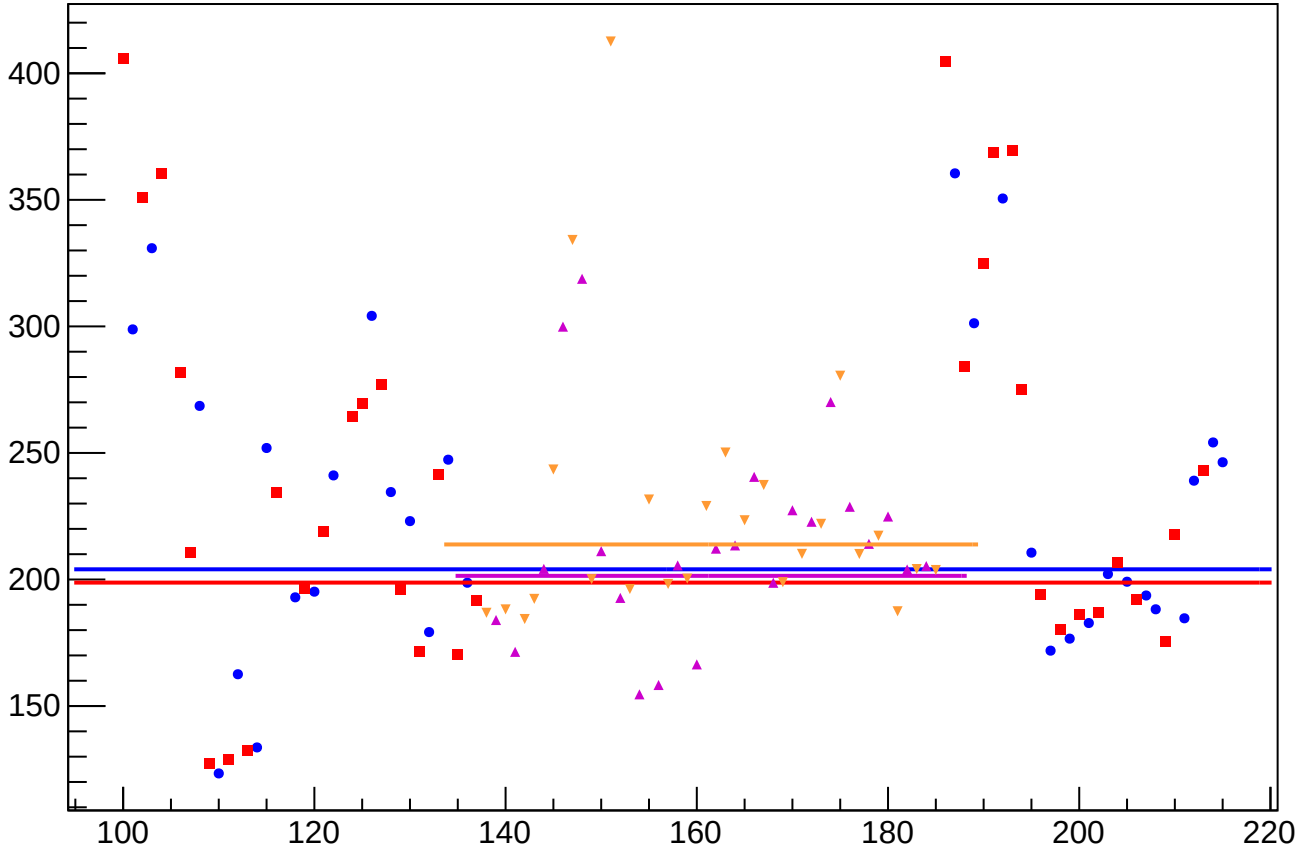
Right: 11.267+/-34.021 χ^2/NDF: 20460.2/64

In: 444.624+/-34.197 χ^2/NDF:10591.2/53

Out: 173.231+/-34.560 χ^2/NDF:13260.2/58

All: 310.360+/-24.308 χ^2/NDF: 23882.5/112

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 204.026+/-0.034 χ^2/NDF: 1799063.6/30

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 198.773+/-0.034 χ^2/NDF: 2740281.9/33

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

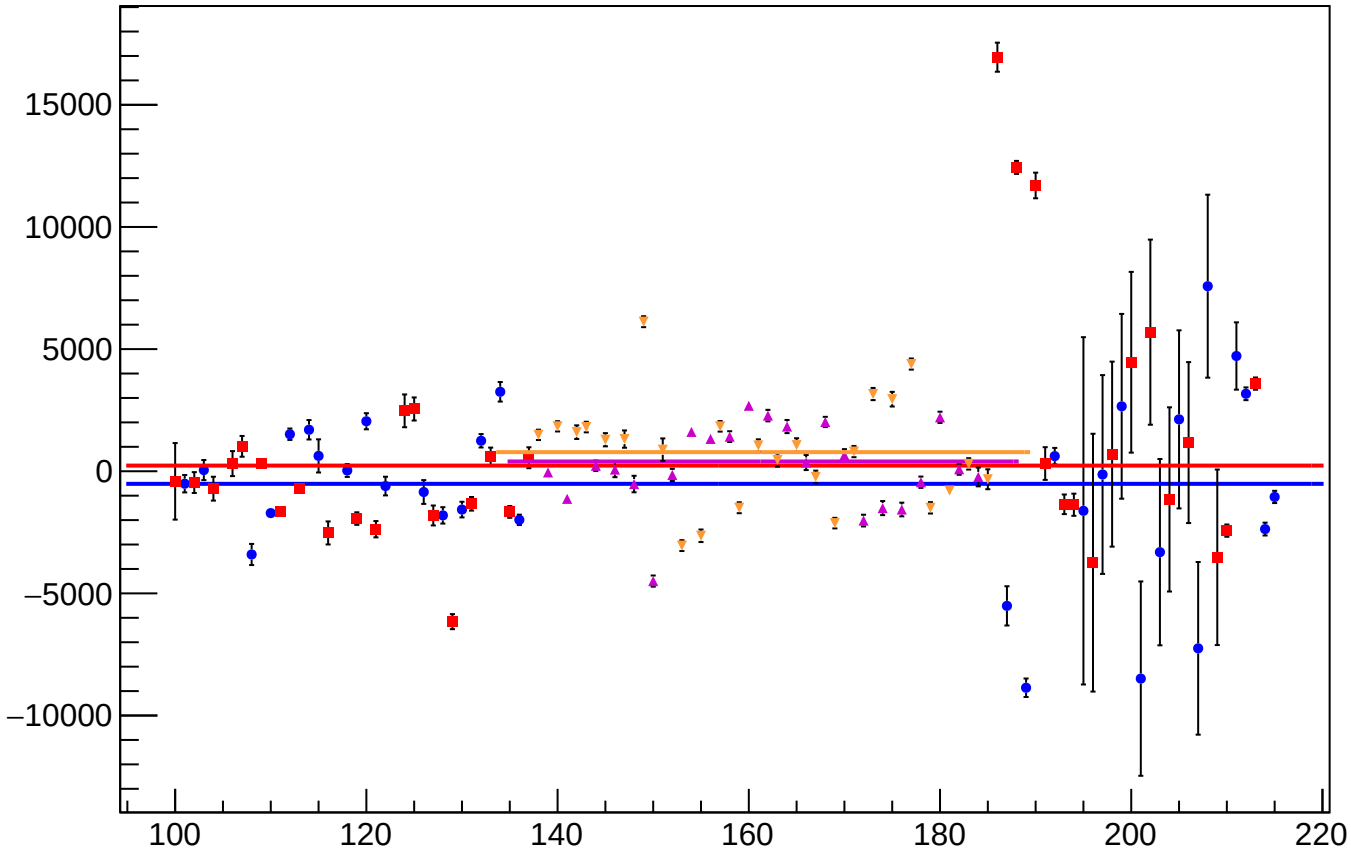
Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

Right: 201.391+/-0.024 χ^2/NDF: 4551266.0/64

In: 202.745+/-0.024 χ^2/NDF:2863883.7/53

Out: 206.045+/-0.024 χ^2/NDF:3798877.6/58

All: 204.378+/-0.017 χ^2/NDF: 6671974.7/112



Right In: -515.497+/-66.168 χ^2/NDF: 1277.1/30

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 231.538+/-61.371 χ^2/NDF: 4569.3/33

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

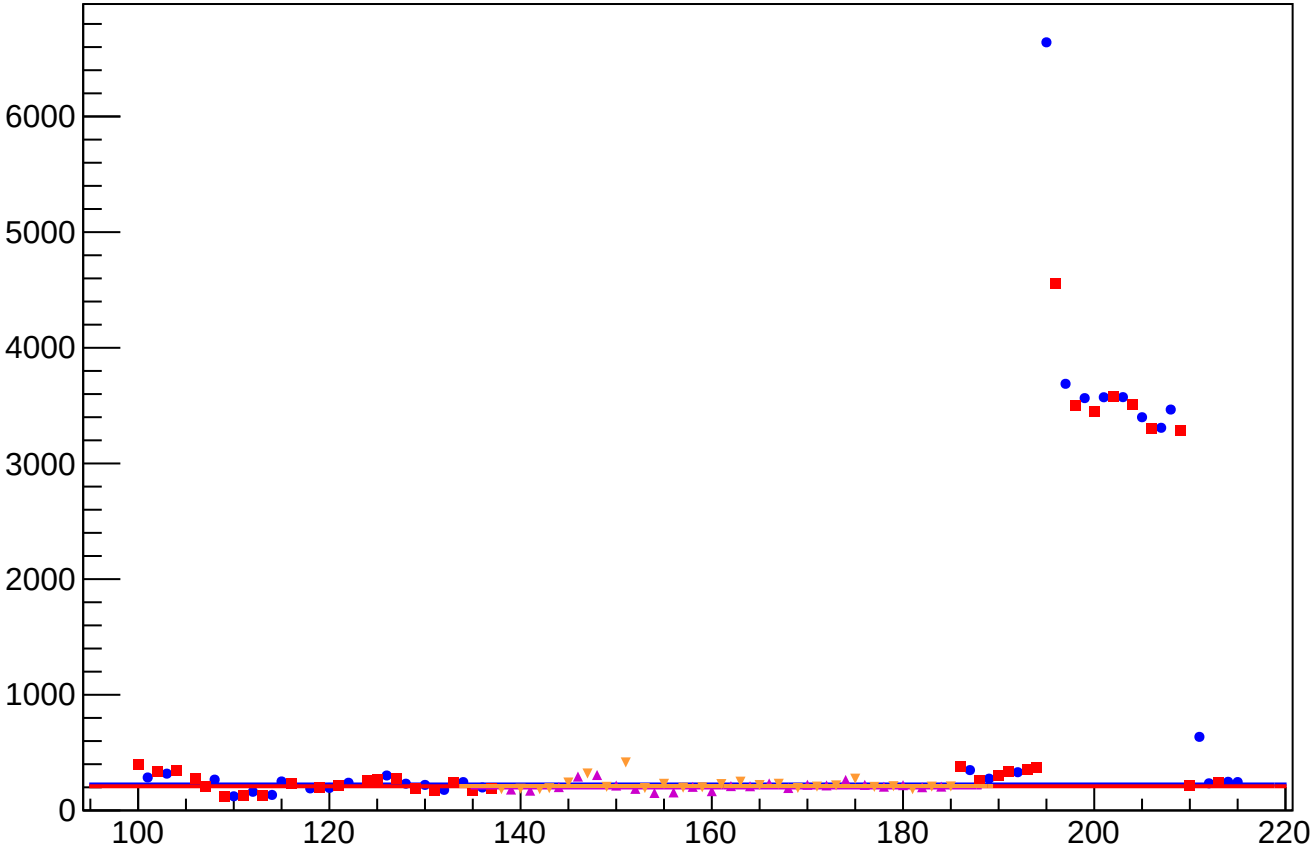
Right: -113.921+/-44.996 χ^2/NDF: 5914.9/64

In: 85.772+/-38.757 χ^2/NDF:2634.8/53

Out: 566.878+/-38.387 χ^2/NDF:6619.6/58

All: 328.634+/-27.274 χ^2/NDF: 9332.2/112

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 224.620+/-0.047 χ^2/NDF: 13759746.5/30

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 208.999+/-0.043 χ^2/NDF: 13405309.9/33

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

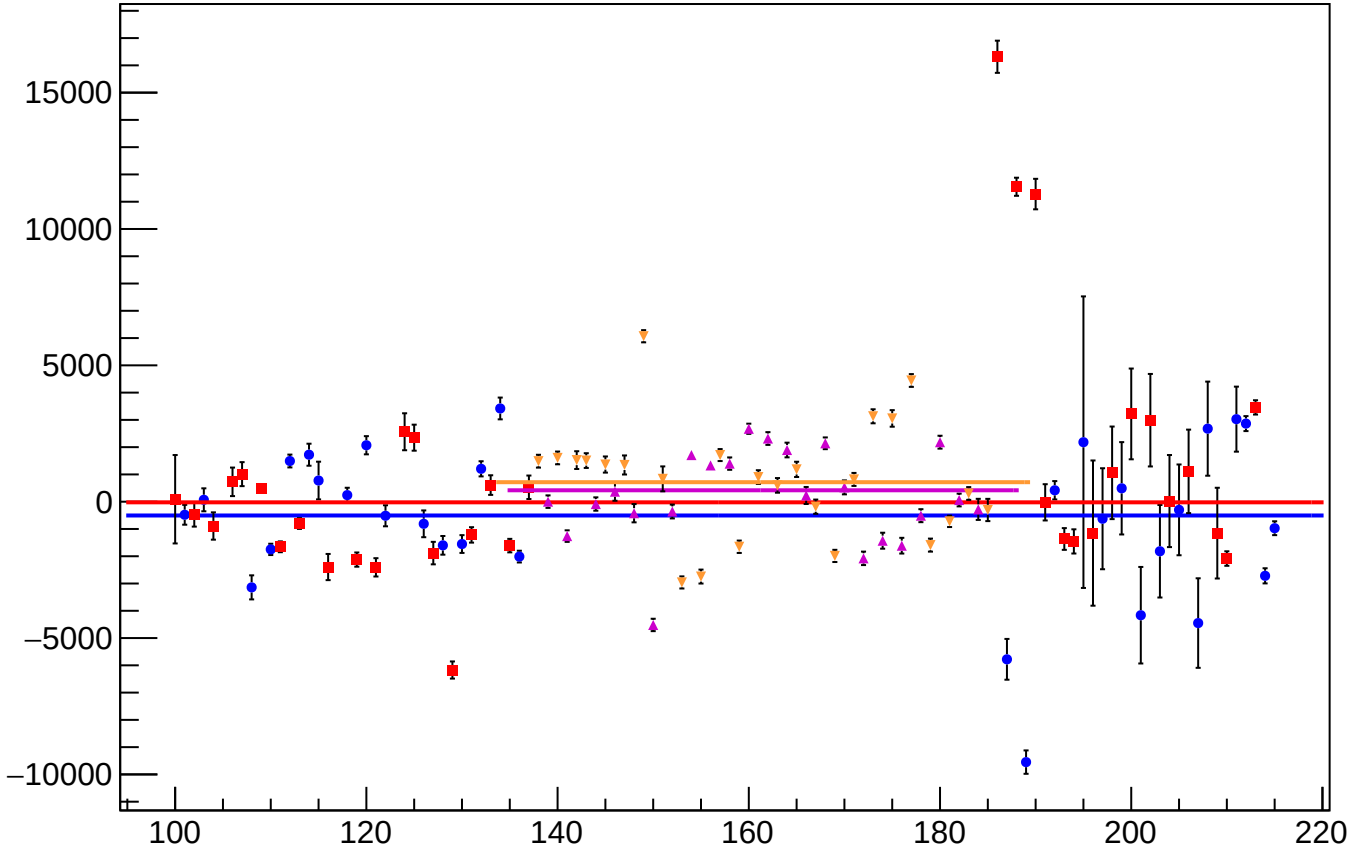
Right: 216.223+/-0.032 χ^2/NDF: 27224980.7/64

In: 207.478+/-0.027 χ^2/NDF:14970559.8/53

Out: 210.519+/-0.027 χ^2/NDF:14342303.4/58

All: 209.013+/-0.019 χ^2/NDF: 29319079.6/11

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -505.464+/-67.232 χ^2/NDF: 1194.6/30

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -22.994+/-63.028 χ^2/NDF: 3406.3/33

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

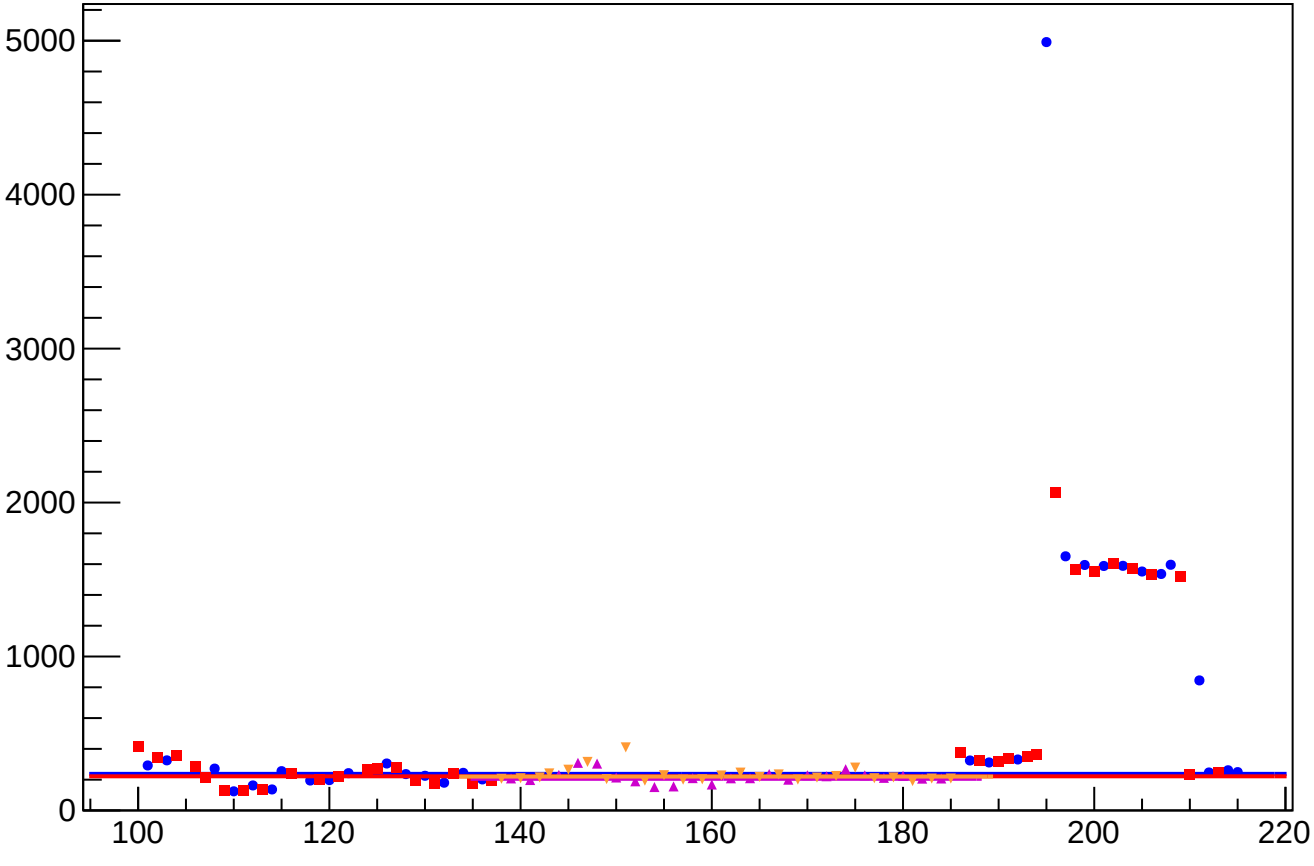
Right: -248.673+/-45.982 χ^2/NDF: 4628.3/64

In: 93.556+/-39.874 χ^2/NDF:2558.0/53

Out: 422.620+/-39.698 χ^2/NDF:5407.1/58

All: 258.814+/-28.133 χ^2/NDF: 7999.4/112

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 237.711+/-0.048 χ^2/NDF: 12321278.3/30

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 221.776+/-0.045 χ^2/NDF: 11609825.2/33

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

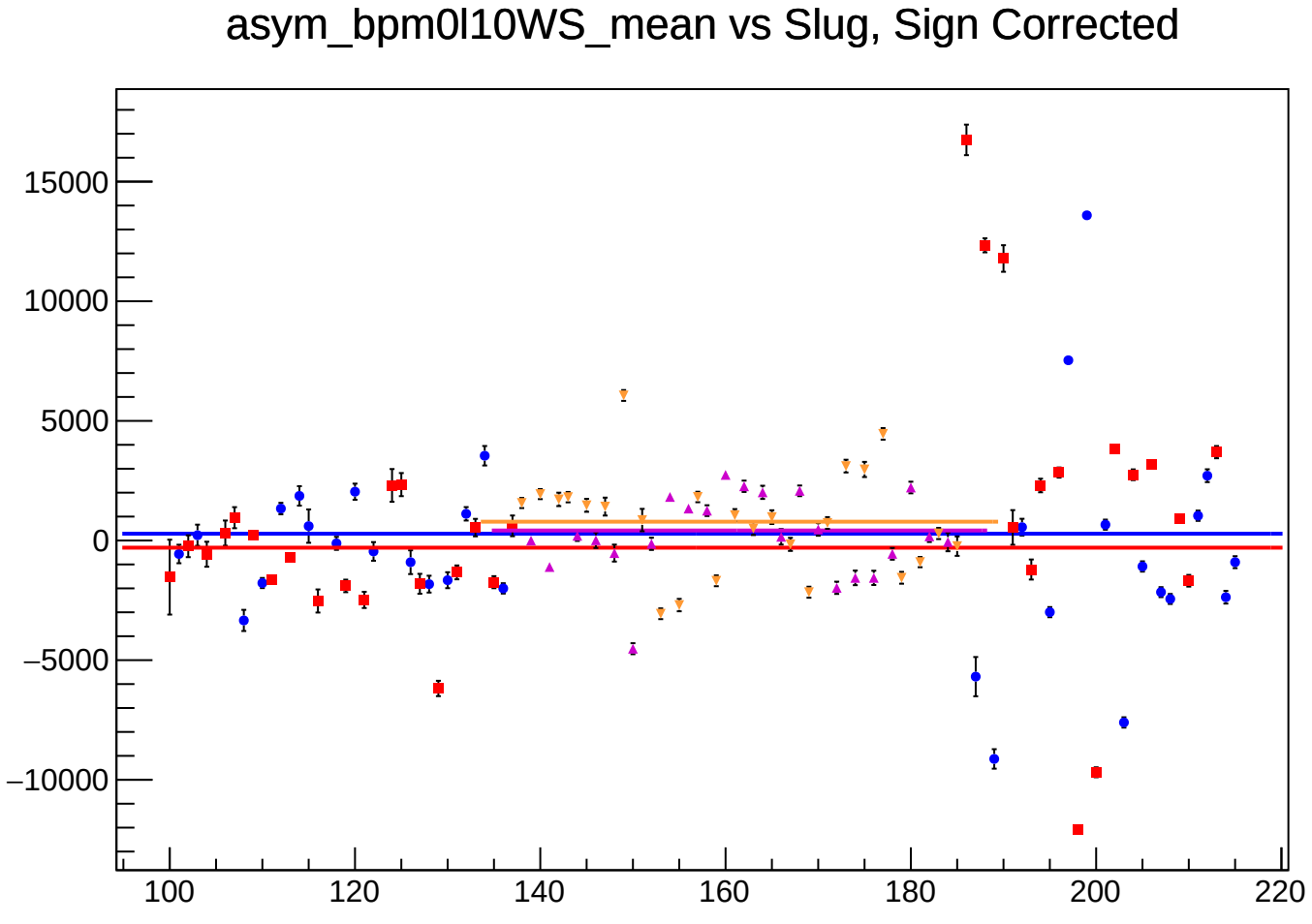
Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

Right: 229.230+/-0.033 χ^2/NDF: 23990902.1/64

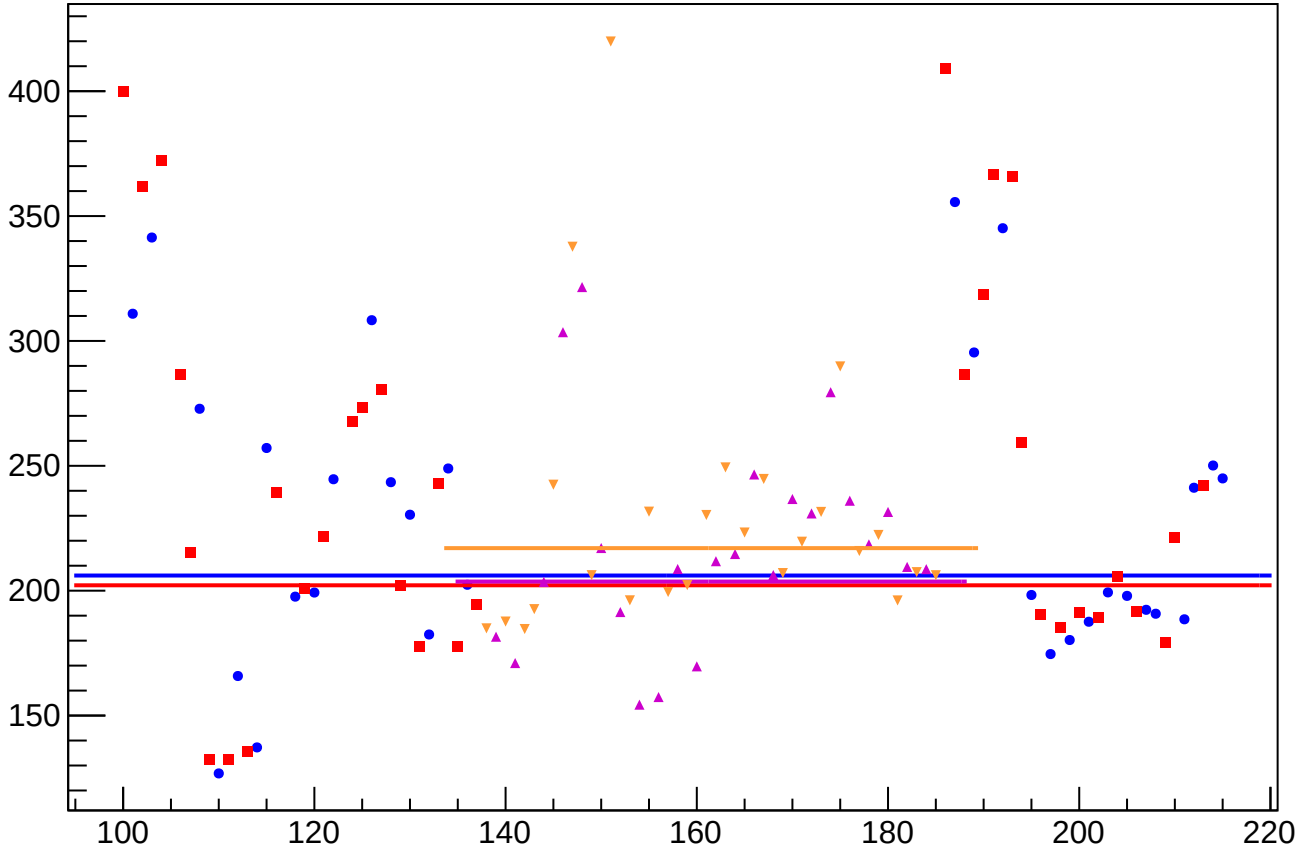
In: 216.818+/-0.028 χ^2/NDF:13633194.7/53

Out: 220.792+/-0.028 χ^2/NDF:12410333.0/58

All: 218.814+/-0.020 χ^2/NDF: 26053505.7/1


asym_bpm0l10WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 284.316+/-48.647 χ²/NDF: 9328.0/30
Left Out: 786.922+/-50.524 χ²/NDF:1937.6/24
Right Out: -298.942+/-48.780 χ²/NDF: 10607.2/33
Left In: 418.824+/-49.152 χ²/NDF:1211.0/22
Left: 597.806+/-35.231 χ²/NDF: 3175.8/47
Right: -6.517+/-34.445 χ²/NDF: 20006.9/64
In: 350.875+/-34.576 χ²/NDF:10542.8/53
Out: 224.923+/-35.093 χ²/NDF:12783.8/58
All: 288.834+/-24.629 χ²/NDF: 23333.1/112

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 206.070+/-0.034 χ^2/NDF: 1721617.3/30

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 202.158+/-0.034 χ^2/NDF: 2569589.3/33

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

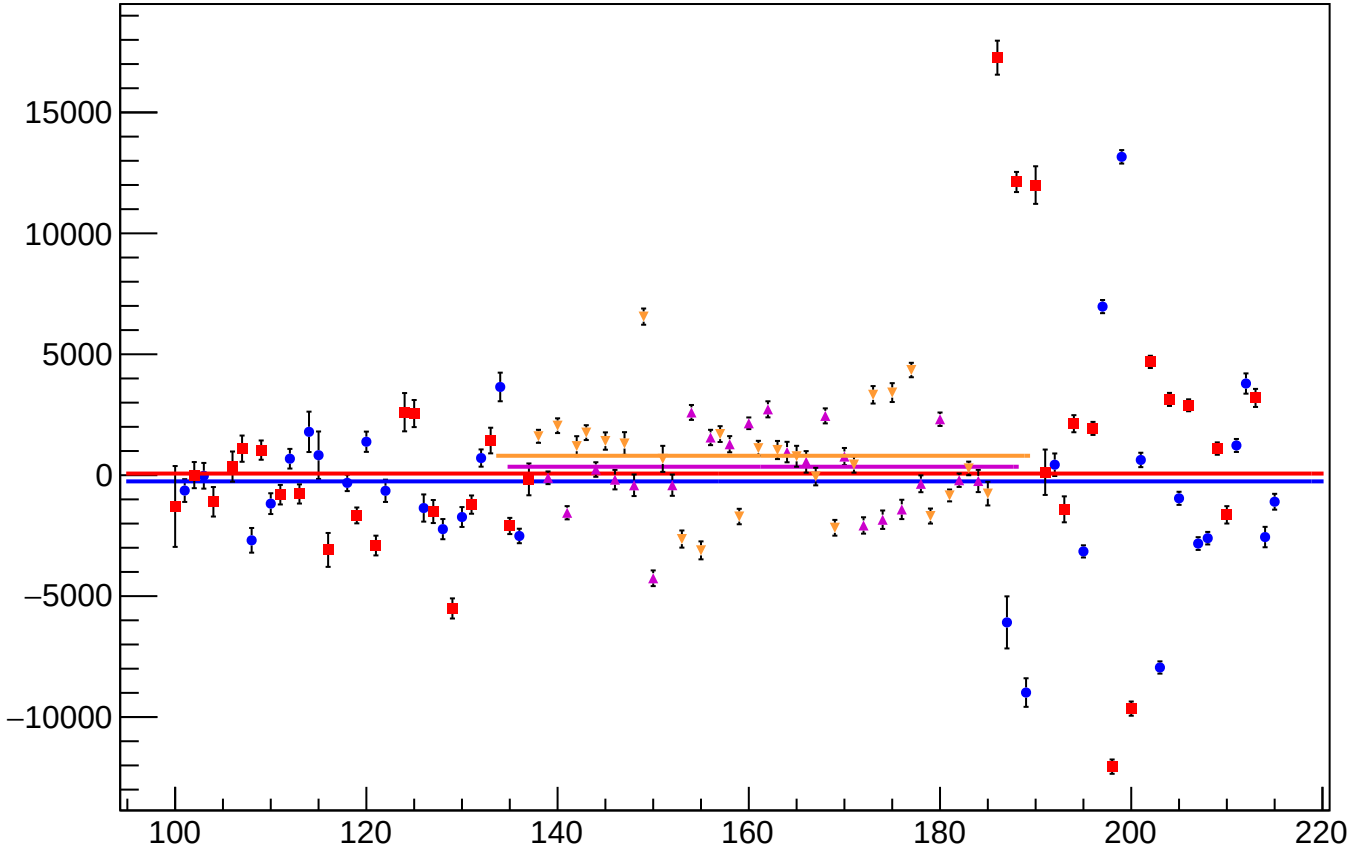
Right: 204.119+/-0.024 χ^2/NDF: 4297654.2/64

In: 204.877+/-0.024 χ^2/NDF:2889380.2/53

Out: 209.338+/-0.025 χ^2/NDF:3642567.3/58

All: 207.074+/-0.017 χ^2/NDF: 6548342.8/112

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -255.463+/-65.055 χ^2/NDF: 4880.4/30

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 67.927+/-67.408 χ^2/NDF: 5637.4/33

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

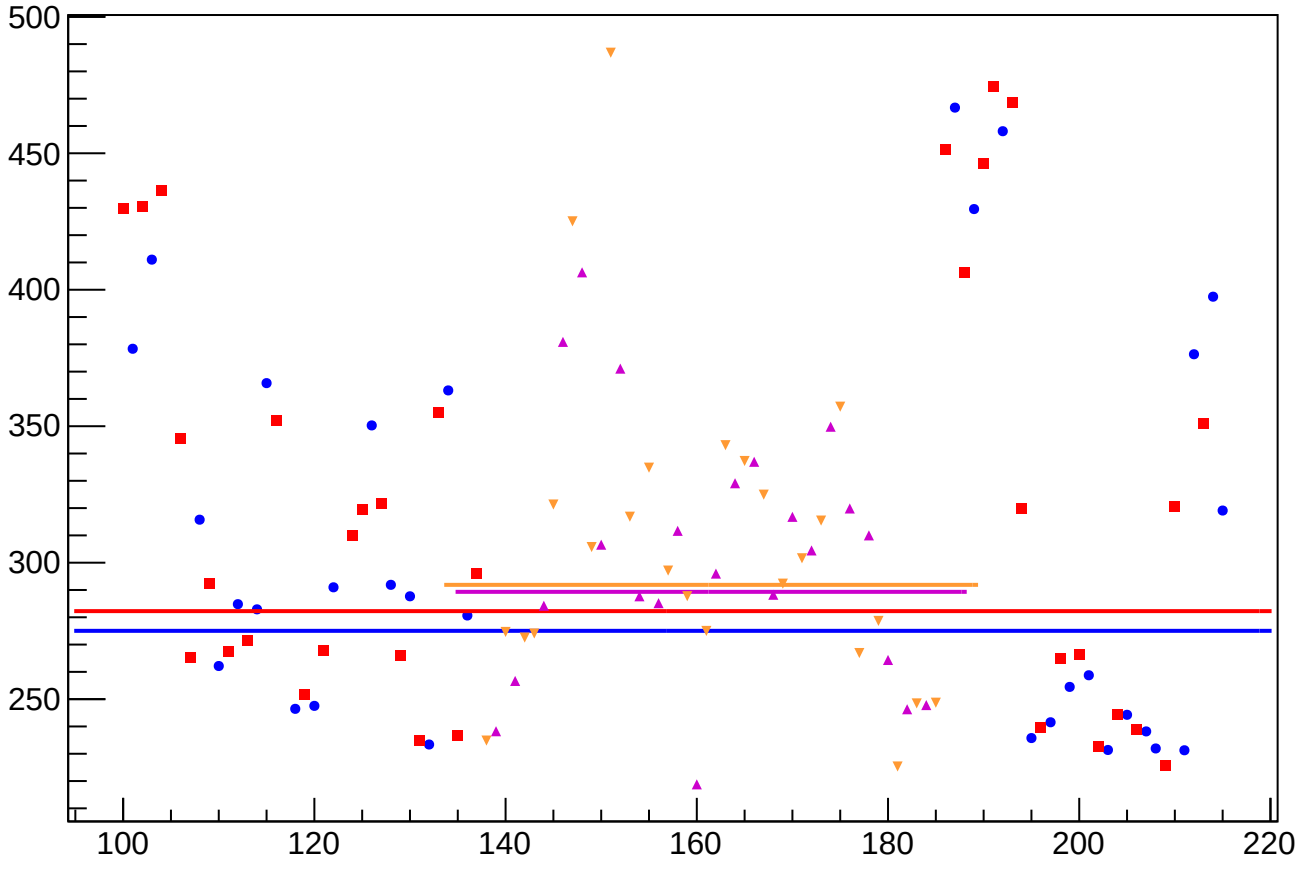
Right: -99.510+/-46.811 χ^2/NDF: 10529.7/64

In: 29.579+/-47.329 χ^2/NDF:5577.3/53

Out: 434.288+/-47.765 χ^2/NDF:6754.4/58

All: 230.079+/-33.620 χ^2/NDF: 12367.9/112

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 275.033+/-0.046 χ^2/NDF: 1558066.0/30

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 282.256+/-0.048 χ^2/NDF: 1654475.5/33

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

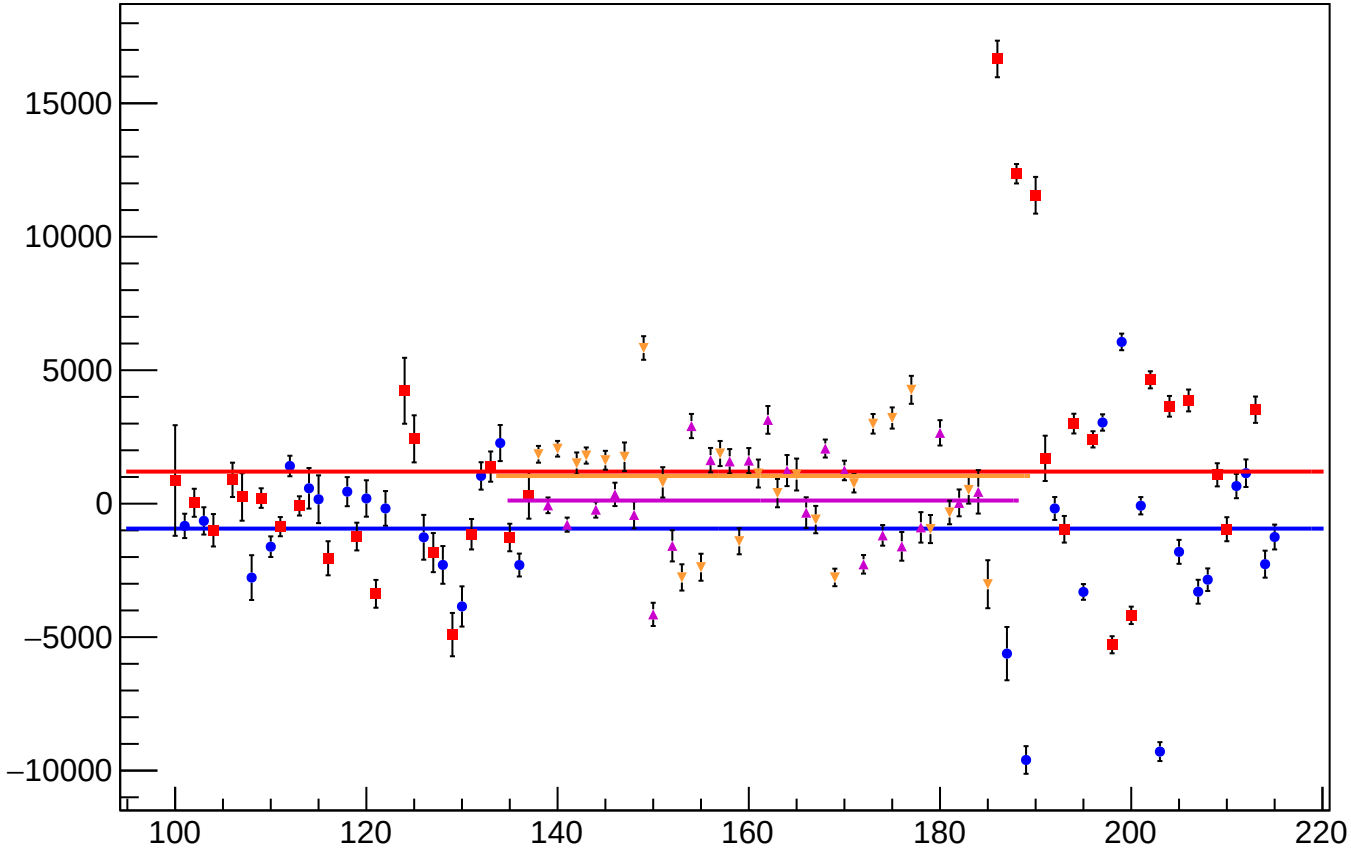
Right: 278.516+/-0.033 χ^2/NDF: 3224429.4/64

In: 281.759+/-0.033 χ^2/NDF:2412080.2/53

Out: 287.049+/-0.034 χ^2/NDF:2634703.8/58

All: 284.379+/-0.024 χ^2/NDF: 5059162.9/112

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -933.953+/-83.404 χ^2/NDF: 1824.4/30

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1201.700+/-81.436 χ^2/NDF: 2981.9/33

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

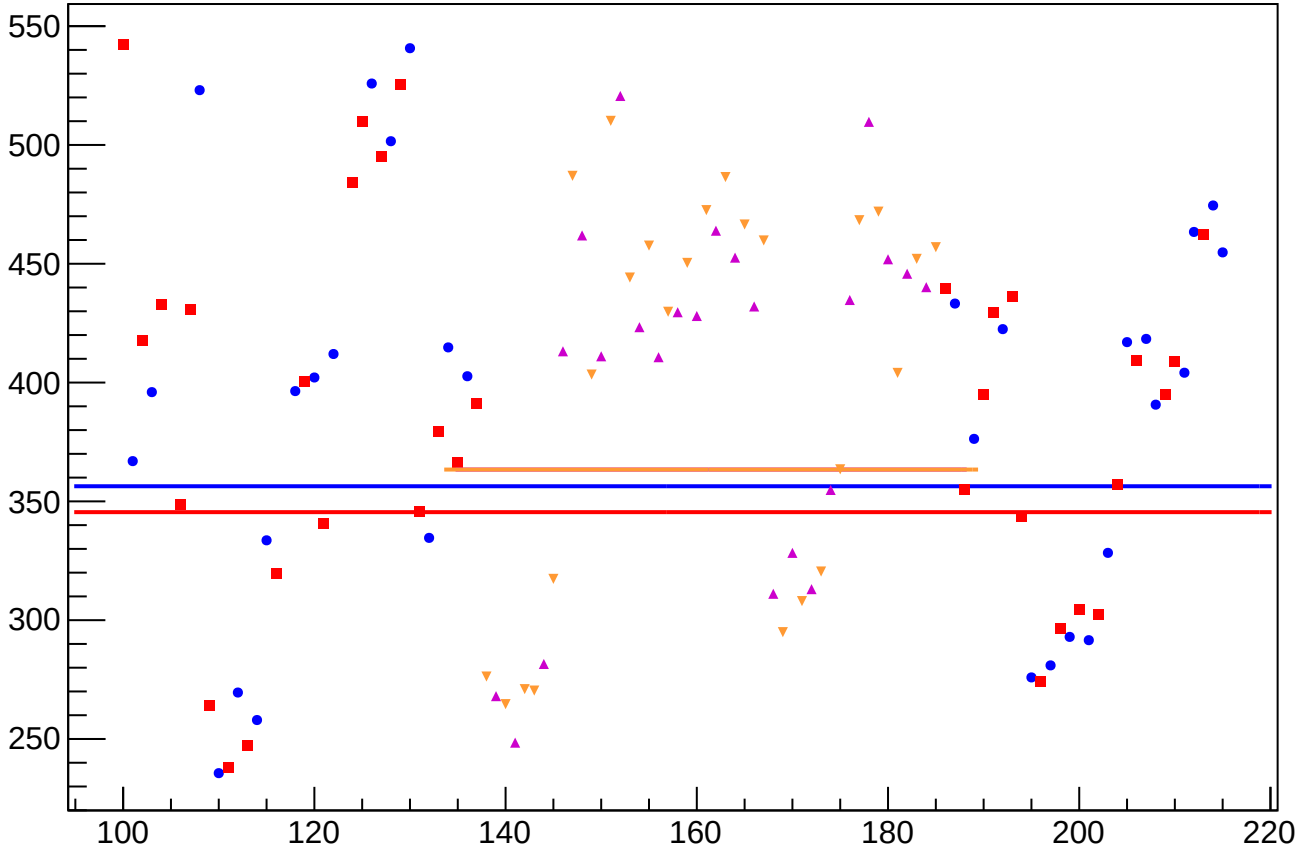
Right: 159.362+/-58.267 χ^2/NDF: 5141.9/64

In: -433.316+/-60.359 χ^2/NDF:2270.4/53

Out: 1123.226+/-58.870 χ^2/NDF:3554.0/58

All: 364.391+/-42.144 χ^2/NDF: 6165.2/112

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 356.366+/-0.059 χ^2/NDF: 1688444.3/30

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 345.466+/-0.058 χ^2/NDF: 1447483.2/33

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

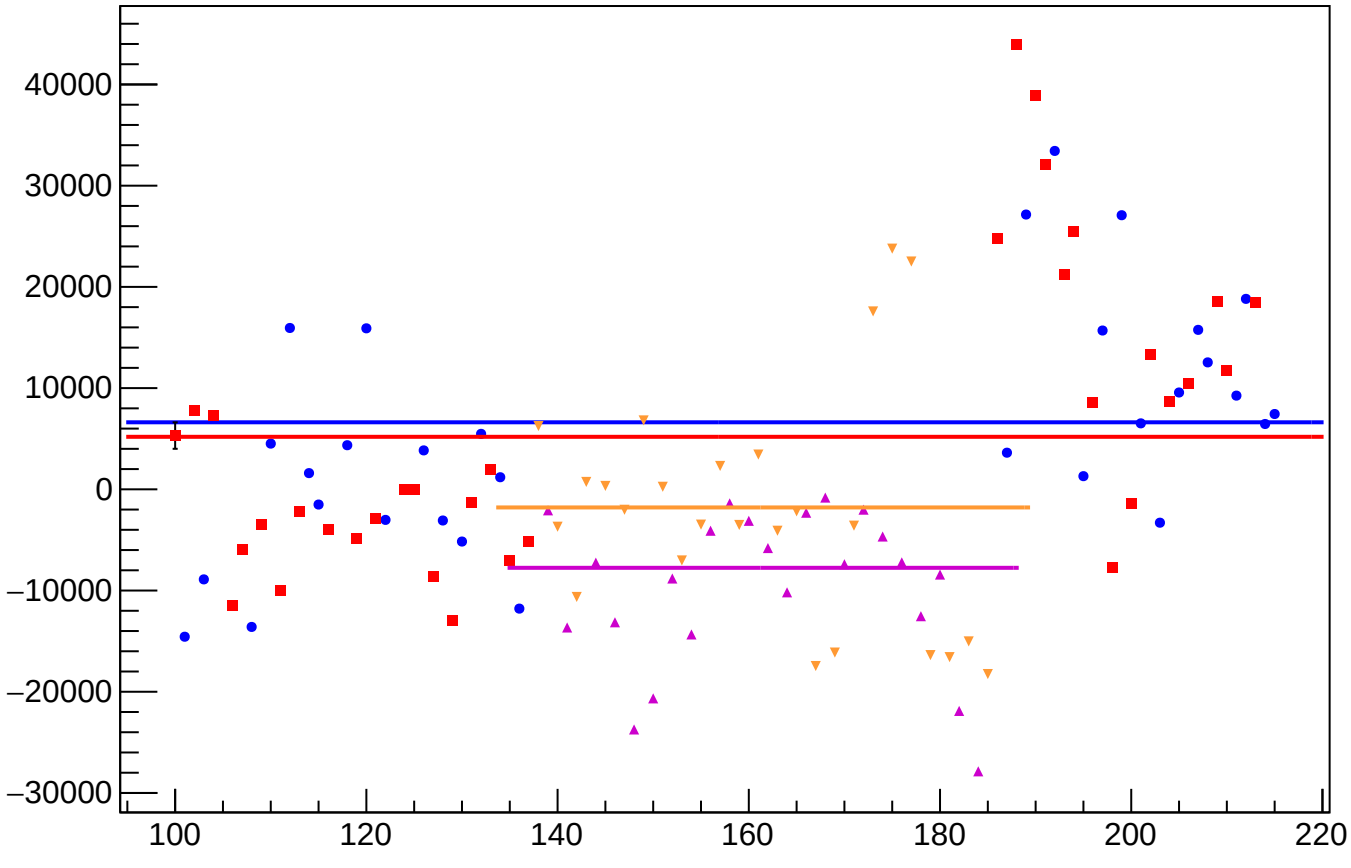
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 350.785+/-0.041 χ^2/NDF: 3153415.1/64

In: 359.709+/-0.043 χ^2/NDF:3406793.0/53

Out: 354.022+/-0.042 χ^2/NDF:3434223.6/58

All: 356.794+/-0.030 χ^2/NDF: 6850117.8/112



Right In: 6622.063+/-38.494 χ^2/NDF: 96708.1/30

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 5188.560+/-37.692 χ^2/NDF: 147009.7/33

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

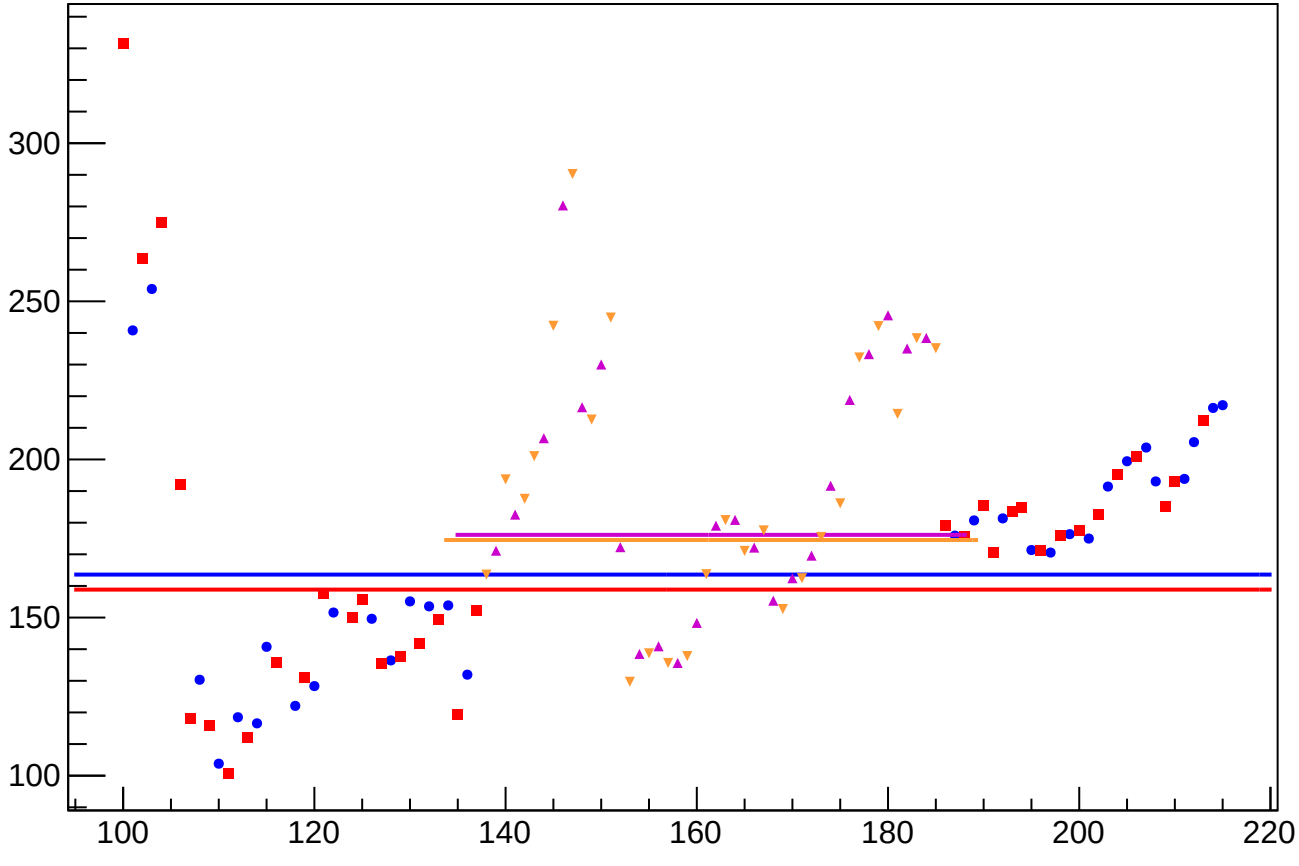
Right: 5890.228+/-26.931 χ^2/NDF: 244425.8/64

In: 155.093+/-28.552 χ^2/NDF:182730.7/53

Out: 1984.382+/-27.720 χ^2/NDF:228495.5/58

All: 1096.776+/-19.889 χ^2/NDF: 413339.3/11

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 163.592+/-0.027 χ^2/NDF: 1660588.8/30

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 158.843+/-0.027 χ^2/NDF: 1829890.9/33

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

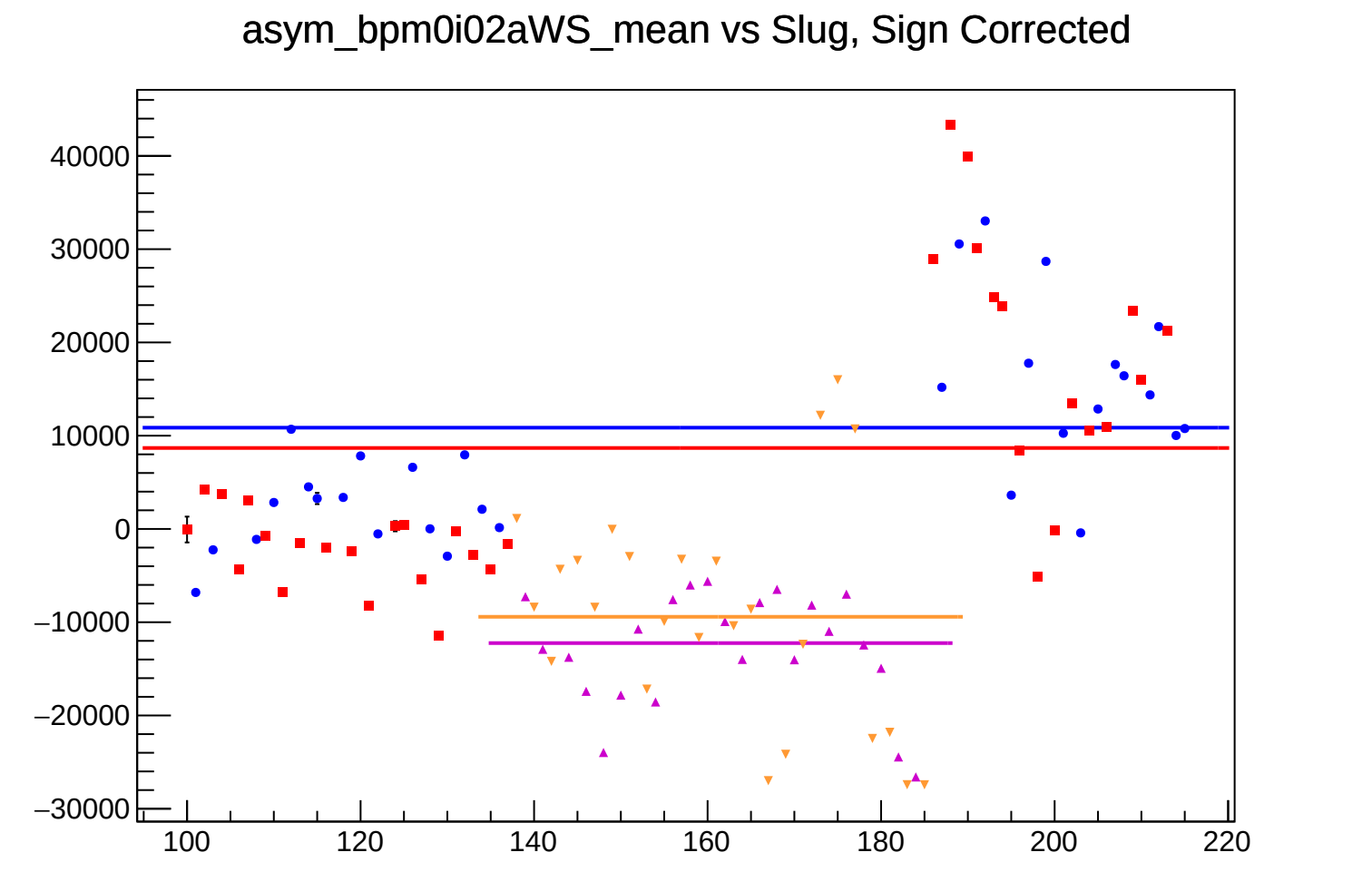
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 161.167+/-0.019 χ^2/NDF: 3506019.3/64

In: 169.243+/-0.020 χ^2/NDF:3123469.2/53

Out: 166.041+/-0.020 χ^2/NDF:3648221.6/58

All: 167.595+/-0.014 χ^2/NDF: 6784638.7/112



Right In: 10858.808+/-41.986 χ^2/NDF: 56817.9/30

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 8681.920+/-41.350 χ^2/NDF: 118335.7/33

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

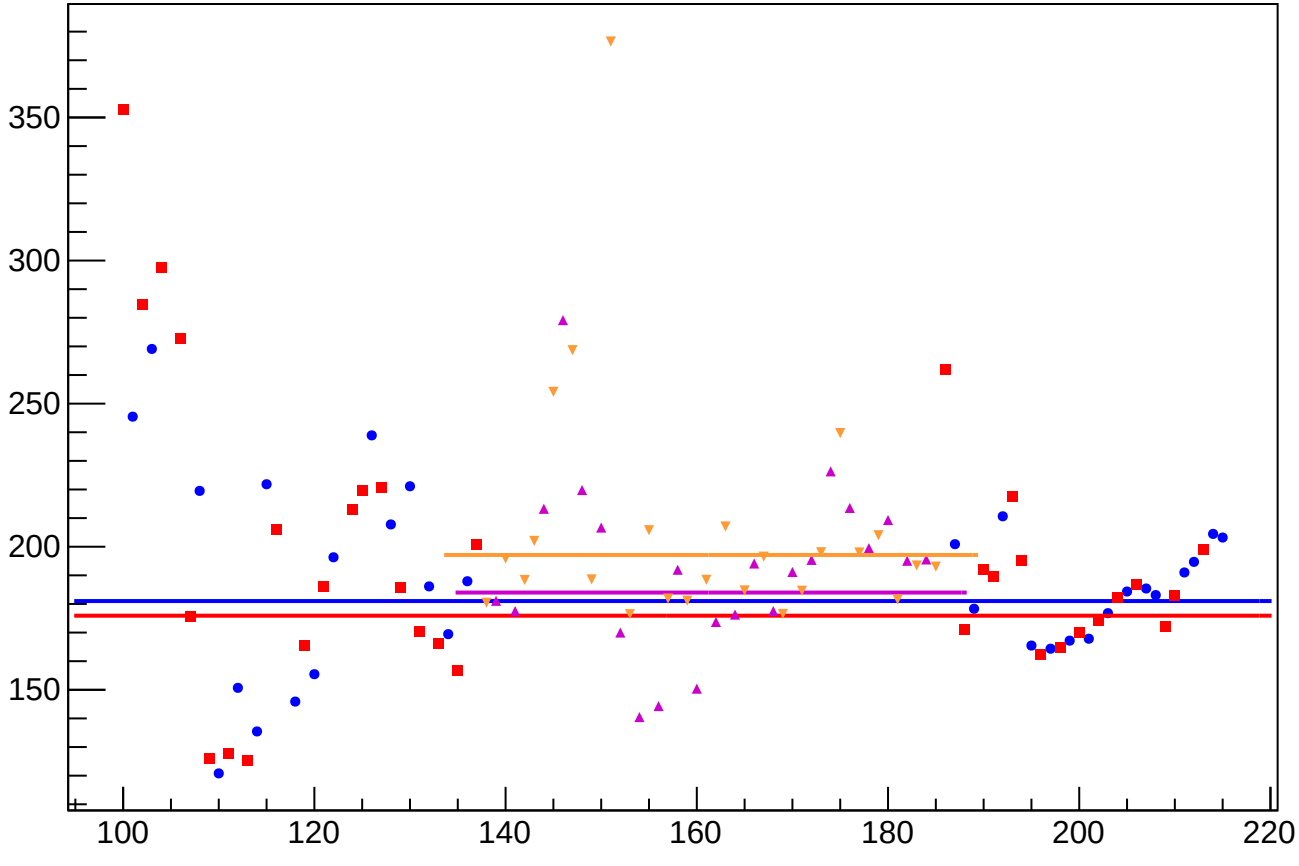
Right: 9753.766+/-29.461 χ^2/NDF: 176518.2/64

In: -98.256+/-30.440 χ^2/NDF:216399.7/53

Out: 532.693+/-30.661 χ^2/NDF:269329.7/58

All: 214.929+/-21.602 χ^2/NDF: 485942.6/112

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 181.014+/-0.030 χ^2/NDF: 835574.4/30

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 175.898+/-0.029 χ^2/NDF: 1235363.8/33

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

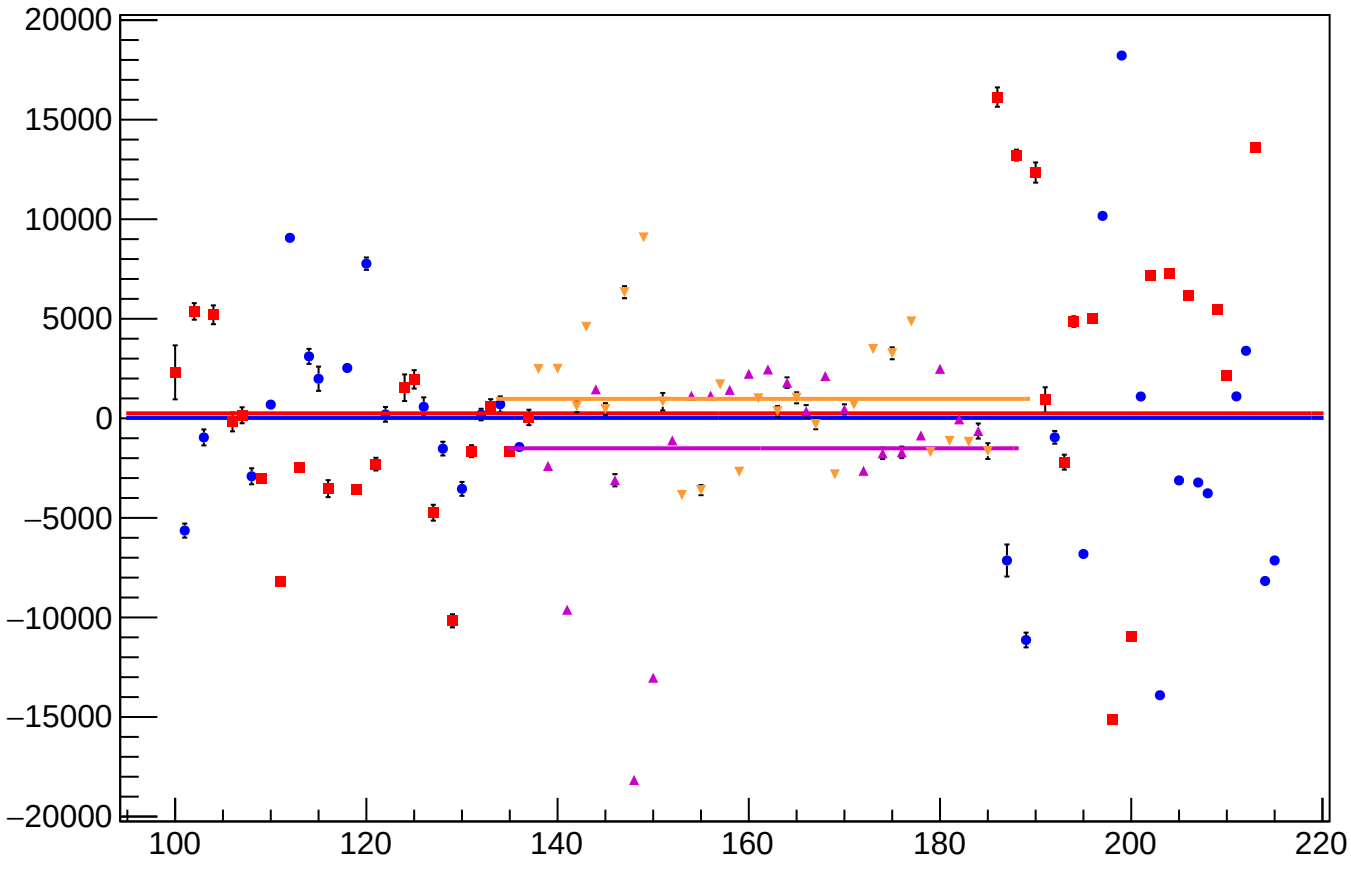
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 178.417+/-0.021 χ^2/NDF: 2086014.1/64

In: 182.424+/-0.022 χ^2/NDF:1670104.8/53

Out: 185.453+/-0.022 χ^2/NDF:2205107.9/58

All: 183.927+/-0.015 χ^2/NDF: 3885043.0/112



Right In: 21.514+/-47.127 χ^2/NDF: 23873.1/30

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 251.866+/-46.515 χ^2/NDF: 25350.0/33

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

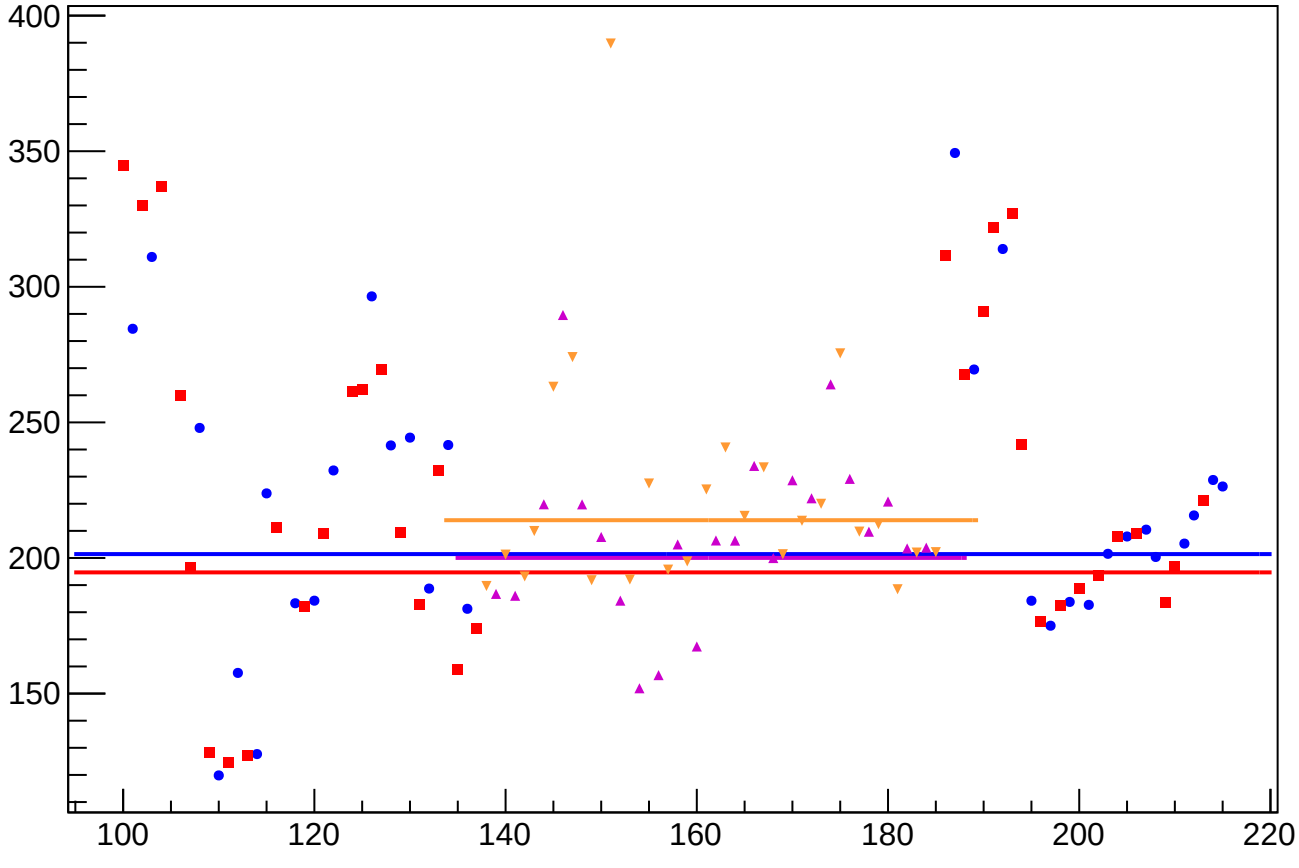
Right: 138.194+/-33.105 χ^2/NDF: 49235.2/64

In: -726.969+/-33.646 χ^2/NDF:35868.2/53

Out: 591.804+/-33.932 χ^2/NDF:29787.1/58

All: -73.166+/-23.891 χ^2/NDF: 66416.9/112

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 201.436+/-0.033 χ^2/NDF: 1516221.0/30

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.688+/-0.033 χ^2/NDF: 2286943.6/33

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

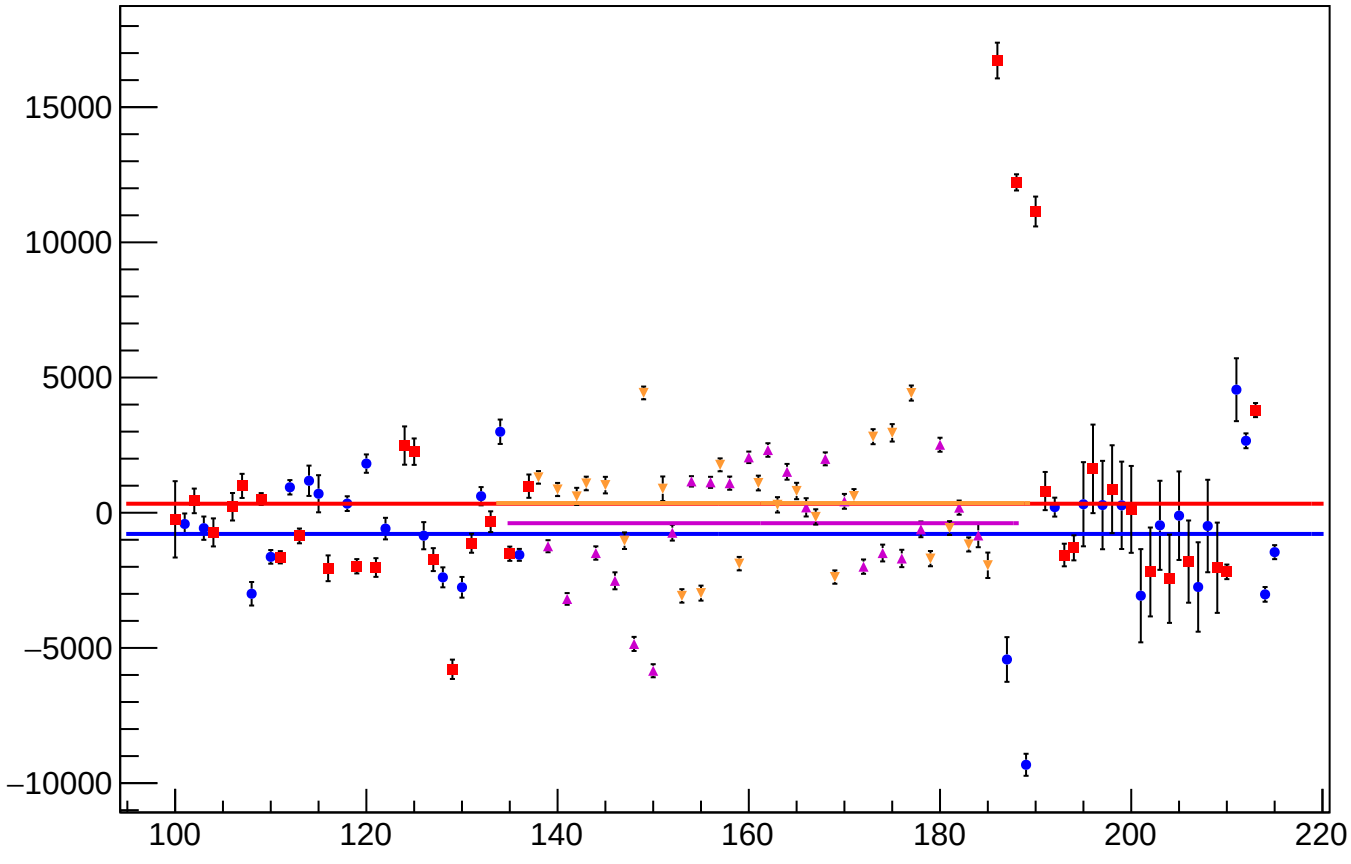
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 198.018+/-0.023 χ^2/NDF: 3823930.1/64

In: 200.747+/-0.024 χ^2/NDF:2302617.8/53

Out: 203.692+/-0.024 χ^2/NDF:3180721.9/58

All: 202.207+/-0.017 χ^2/NDF: 5490935.4/112



Right In: -783.966+/-71.793 χ^2/NDF: 1054.0/30

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 333.443+/-68.540 χ^2/NDF: 3542.8/33

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

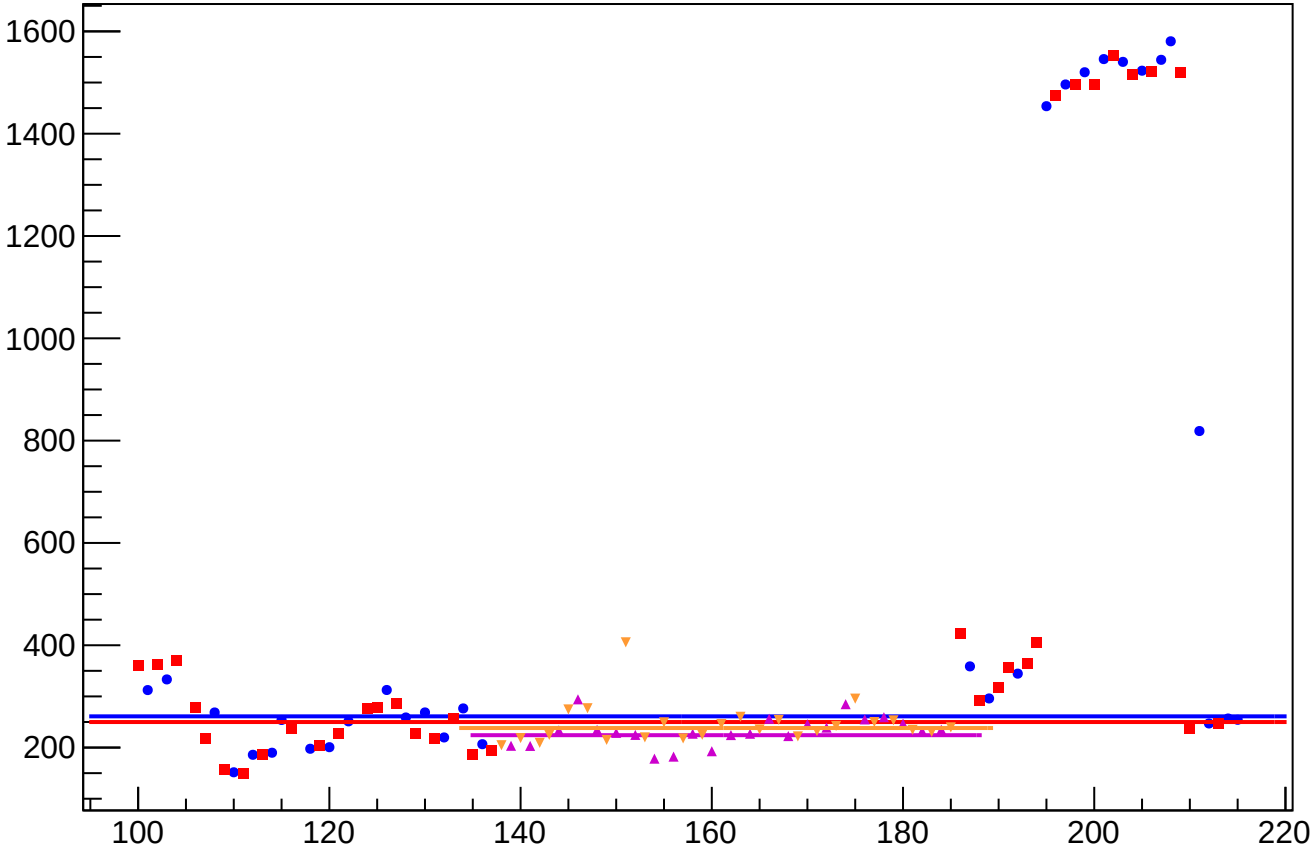
Right: -199.376+/-49.575 χ^2/NDF: 4723.5/64

In: -528.795+/-42.913 χ^2/NDF:2877.8/53

Out: 348.797+/-42.892 χ^2/NDF:4961.7/58

All: -89.787+/-30.337 χ^2/NDF: 8048.7/112

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 261.040+/-0.051 χ^2/NDF: 11061109.2/30

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 249.916+/-0.048 χ^2/NDF: 10529954.1/33

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

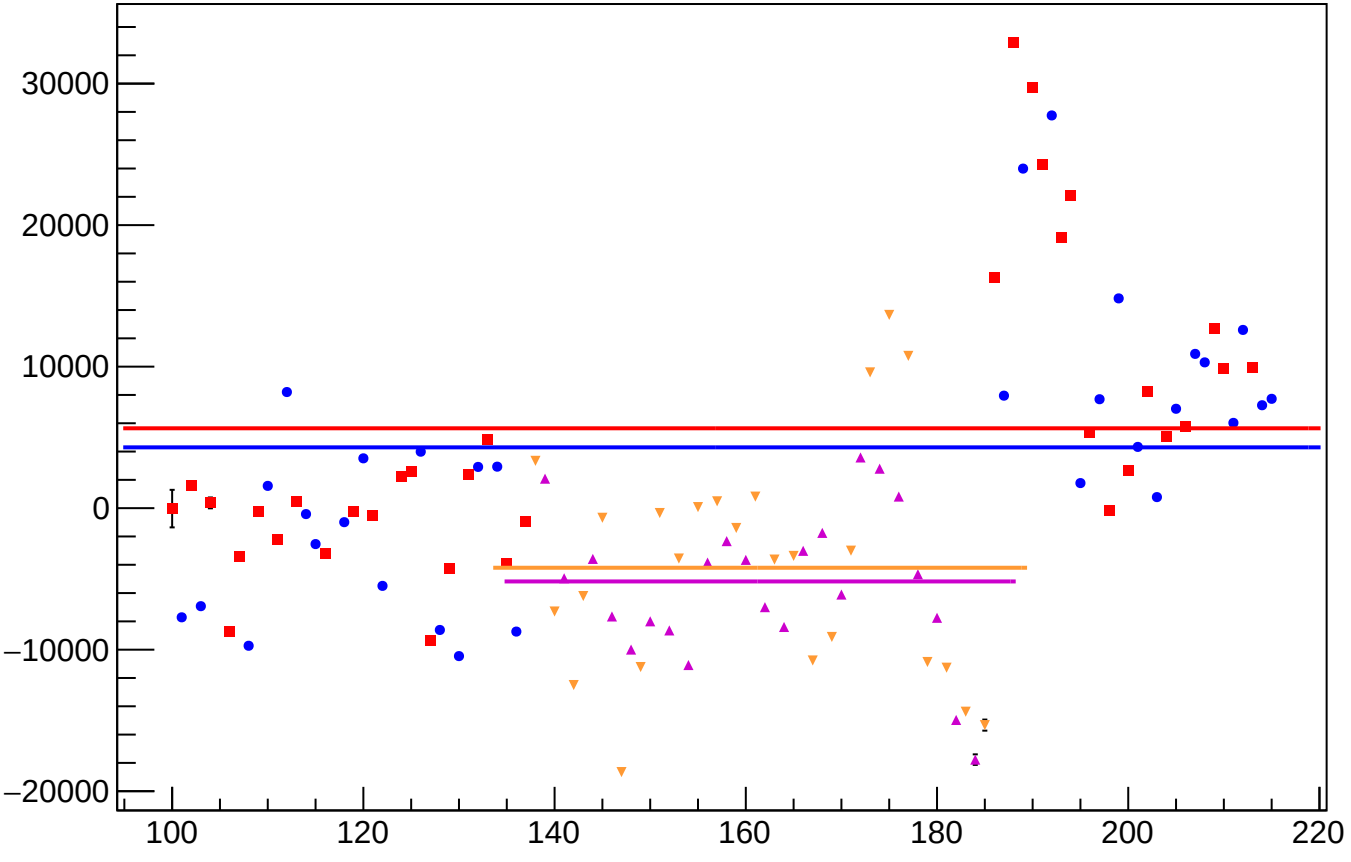
Right: 255.220+/-0.035 χ^2/NDF: 21616184.9/64

In: 237.370+/-0.030 χ^2/NDF:11962593.4/53

Out: 242.788+/-0.030 χ^2/NDF:11133445.3/58

All: 240.080+/-0.021 χ^2/NDF: 23111983.8/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4296.754+/-32.692 χ^2/NDF: 82067.2/30

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5643.449+/-31.831 χ^2/NDF: 105828.2/33

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

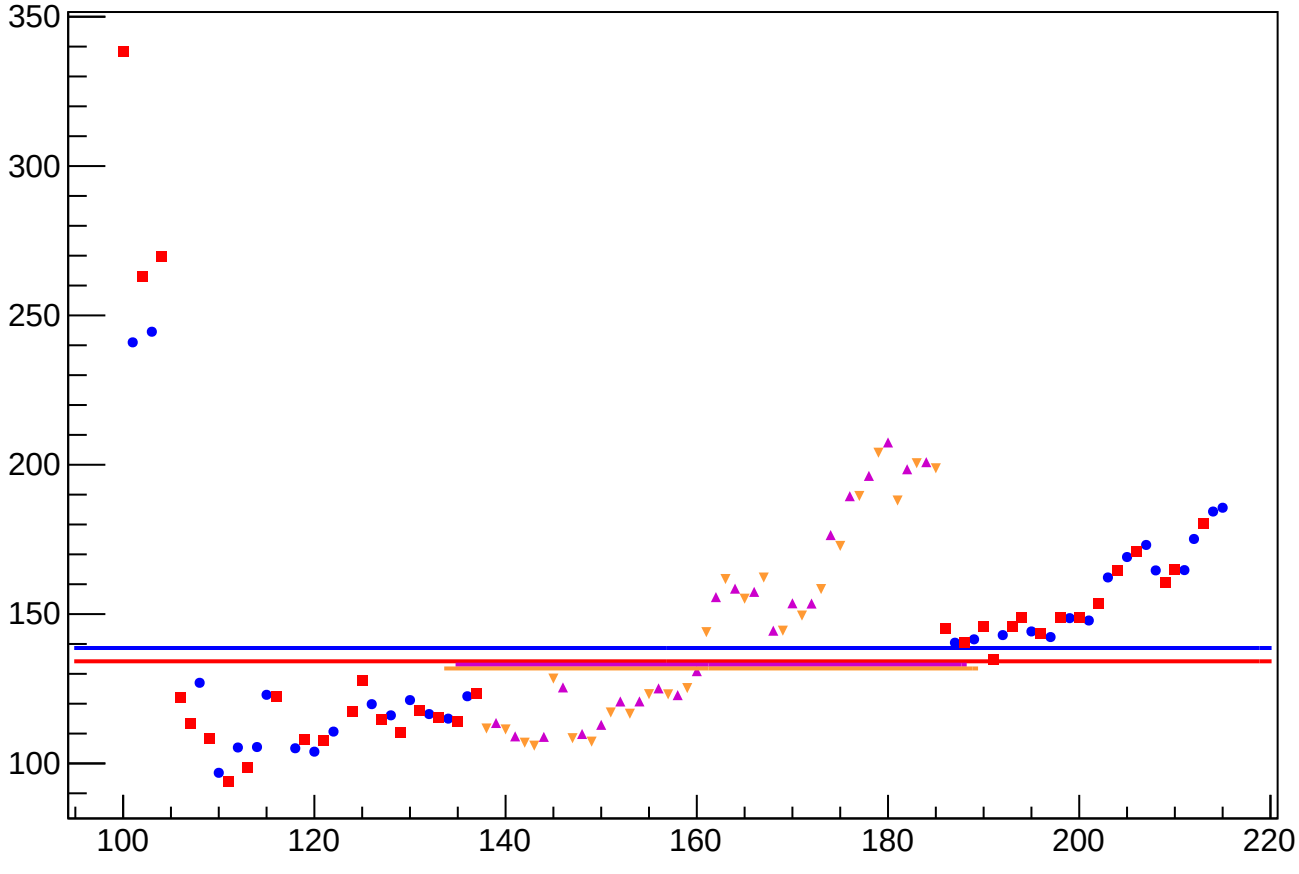
Right: 4988.069+/-22.806 χ^2/NDF: 188766.5/64

In: -546.633+/-22.857 χ^2/NDF:143546.3/53

Out: 558.754+/-22.145 χ^2/NDF:212082.0/58

All: 23.547+/-15.905 χ^2/NDF: 356834.7/112

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 138.649+/-0.023 χ^2/NDF: 1670189.0/30

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 134.194+/-0.023 χ^2/NDF: 1687957.6/33

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

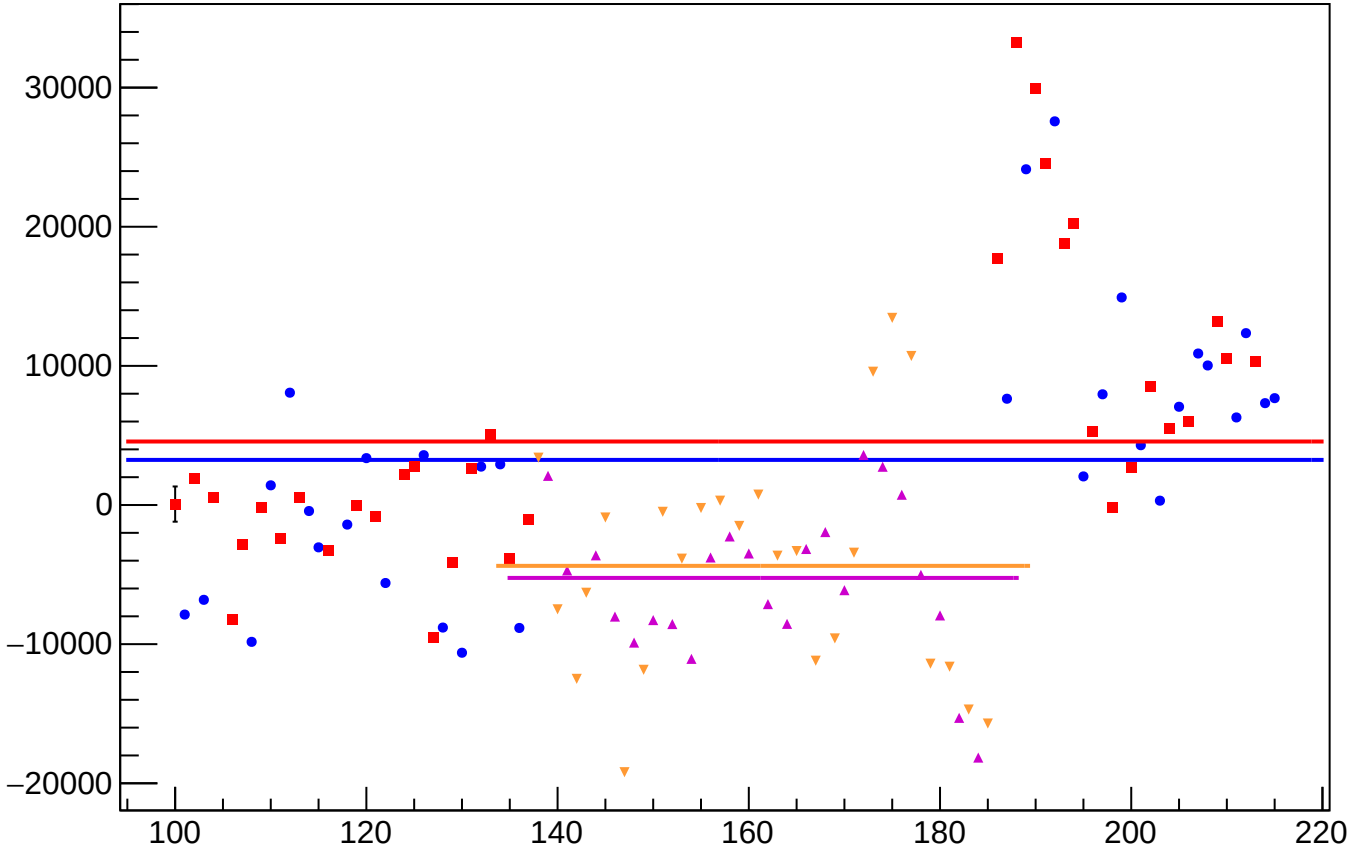
Right: 136.362+/-0.016 χ^2/NDF: 3377212.7/64

In: 135.793+/-0.016 χ^2/NDF:3118305.6/53

Out: 132.957+/-0.016 χ^2/NDF:3238145.9/58

All: 134.330+/-0.011 χ^2/NDF: 6372325.6/112

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 3242.449+/-29.471 χ^2/NDF: 92978.5/30

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 4564.310+/-28.824 χ^2/NDF: 116229.5/33

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

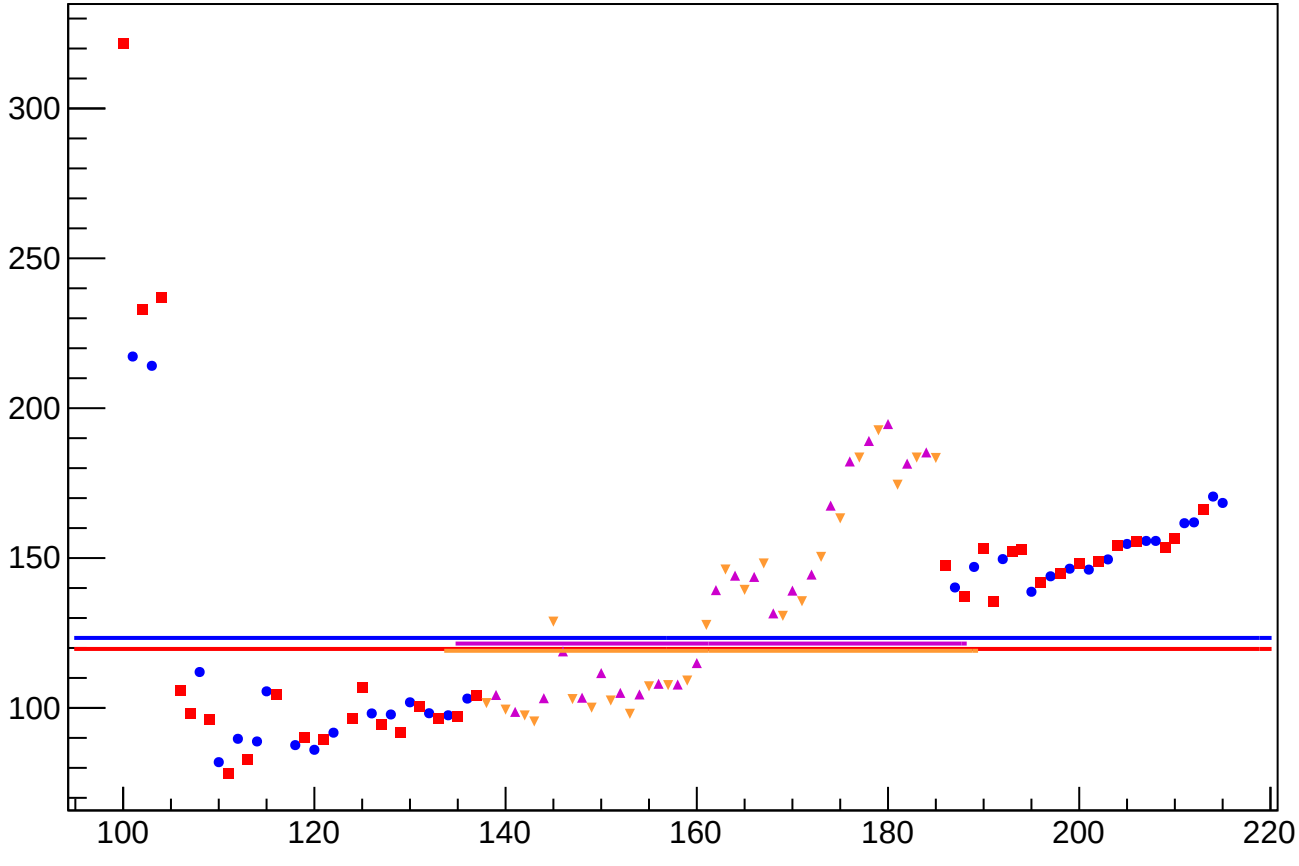
Right: 3918.060+/-20.607 χ^2/NDF: 210236.2/64

In: -1030.390+/-20.761 χ^2/NDF:156979.9/53

Out: -40.883+/-20.067 χ^2/NDF:232986.4/58

All: -518.825+/-14.429 χ^2/NDF: 391140.7/11

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 123.354+/-0.021 χ^2/NDF: 2477120.4/30

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 119.677+/-0.020 χ^2/NDF: 2601980.2/33

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

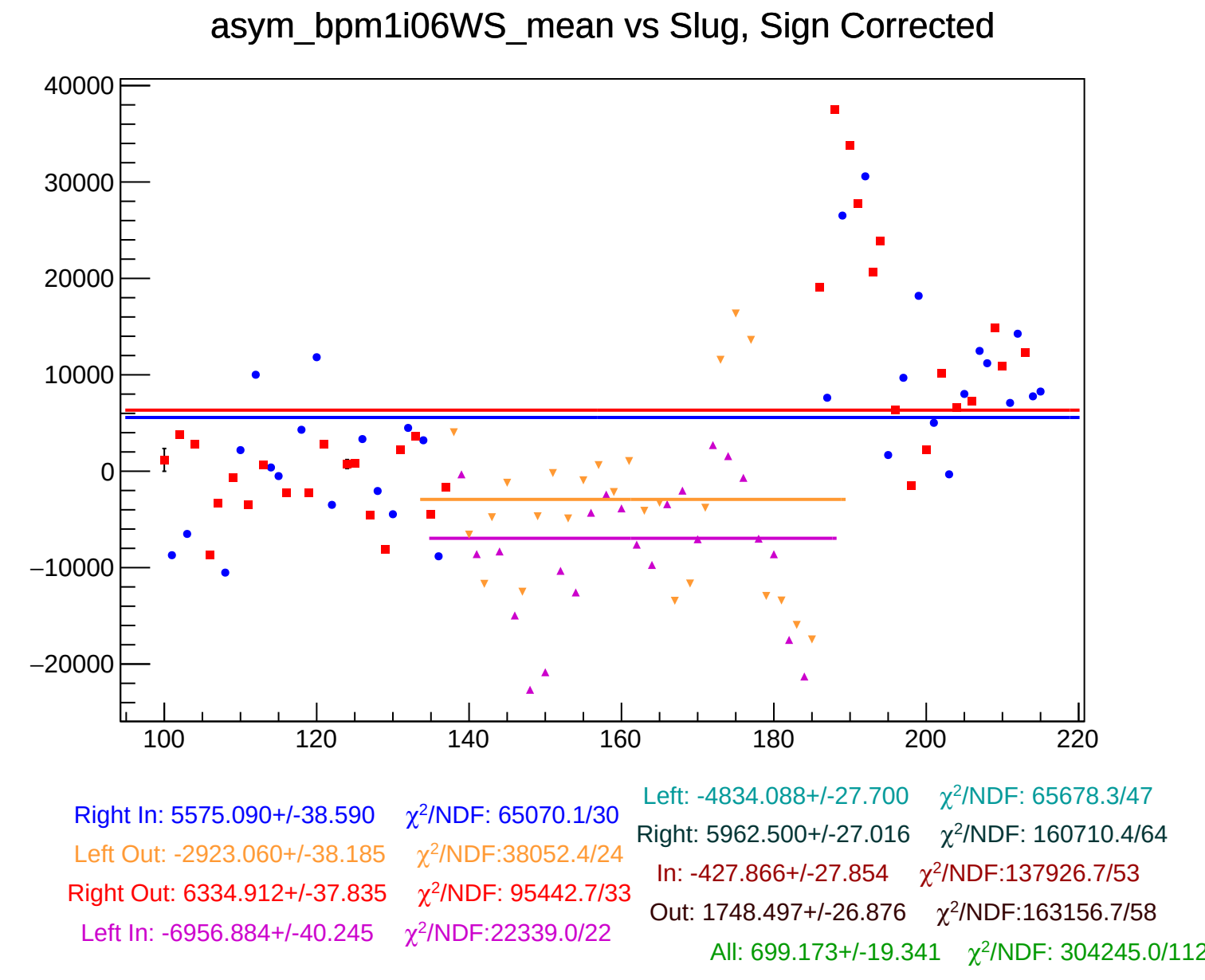
Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

Right: 121.475+/-0.015 χ^2/NDF: 5095011.4/64

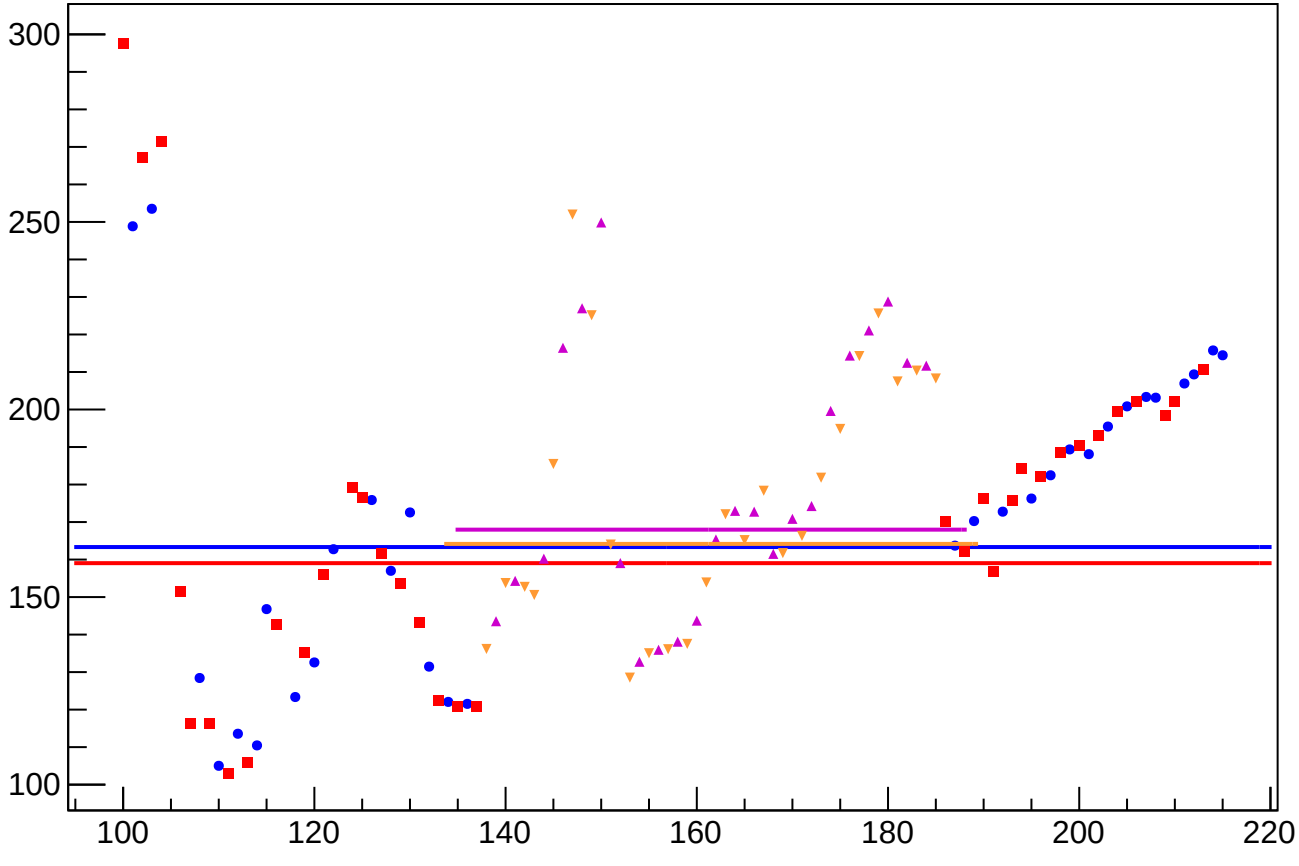
In: 122.404+/-0.015 χ^2/NDF:4010625.8/53

Out: 119.361+/-0.014 χ^2/NDF:4357874.2/58

All: 120.831+/-0.010 χ^2/NDF: 8390706.6/112


asym_bpm1i06WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 5575.090+/-38.590 χ²/NDF: 65070.1/30
Left Out: -2923.060+/-38.185 χ²/NDF:38052.4/24
Right Out: 6334.912+/-37.835 χ²/NDF: 95442.7/33
Left In: -6956.884+/-40.245 χ²/NDF:22339.0/22
Left: -4834.088+/-27.700 χ²/NDF: 65678.3/47
Right: 5962.500+/-27.016 χ²/NDF: 160710.4/64
In: -427.866+/-27.854 χ²/NDF:137926.7/53
Out: 1748.497+/-26.876 χ²/NDF:163156.7/58
All: 699.173+/-19.341 χ²/NDF: 304245.0/112

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 163.337+/-0.027 χ^2/NDF: 2005883.2/30

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 159.043+/-0.027 χ^2/NDF: 2003438.4/33

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

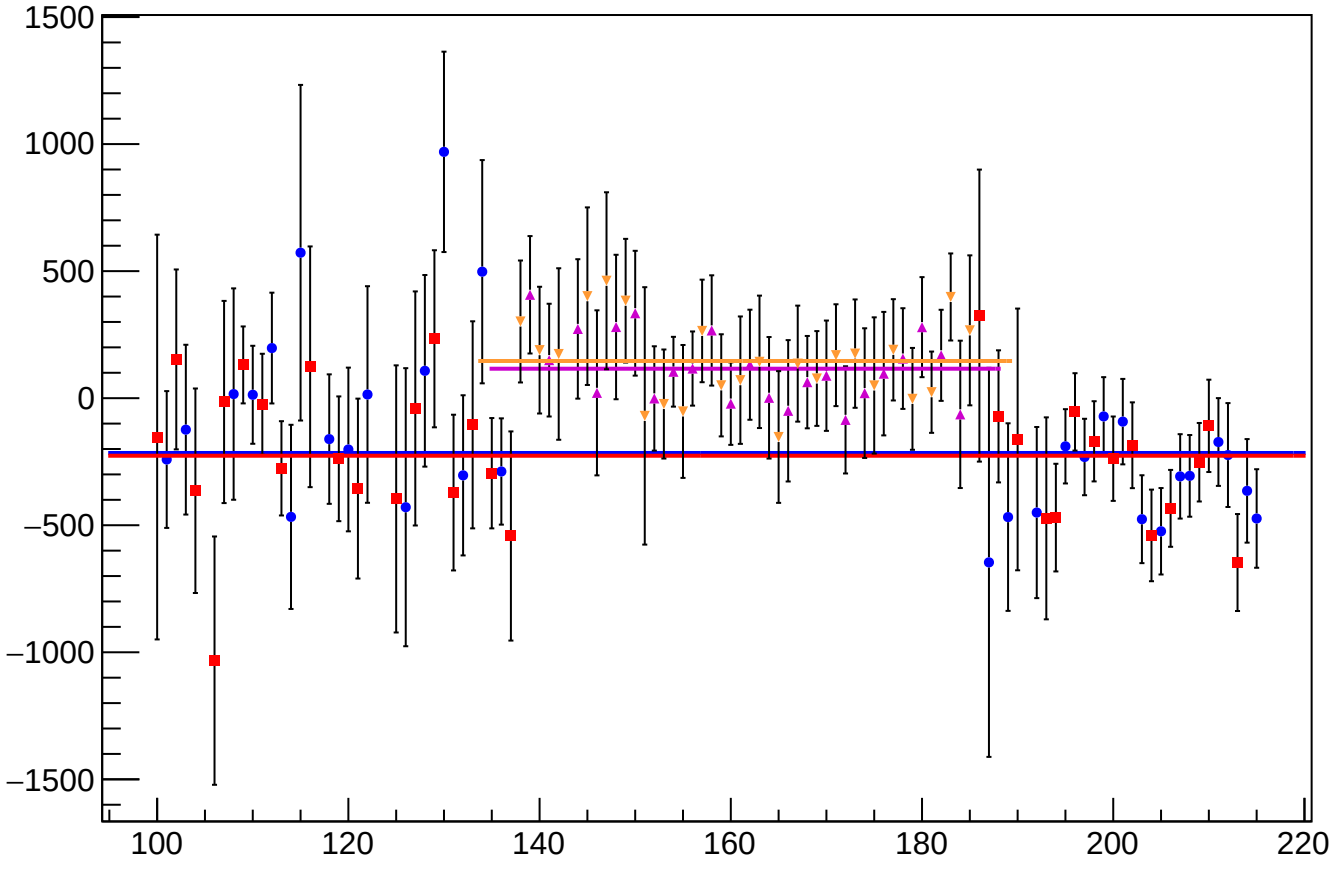
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 161.147+/-0.019 χ^2/NDF: 4021947.3/64

In: 165.559+/-0.020 χ^2/NDF:3242469.1/53

Out: 161.584+/-0.019 χ^2/NDF:3246054.7/58

All: 163.500+/-0.014 χ^2/NDF: 6509612.8/112



Right In: -215.645+/-40.520 χ^2/NDF: 31.7/30

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -226.487+/-41.076 χ^2/NDF: 29.3/31

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

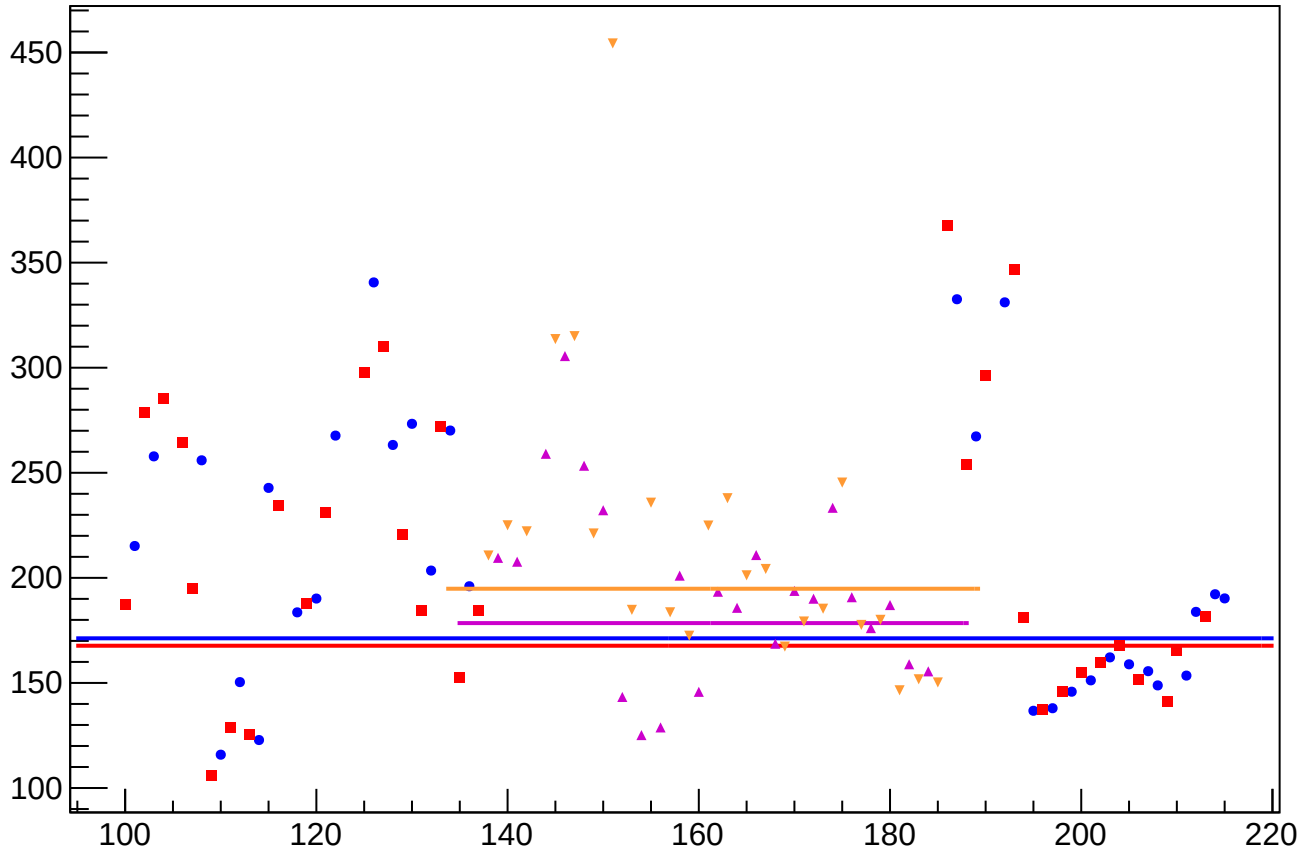
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

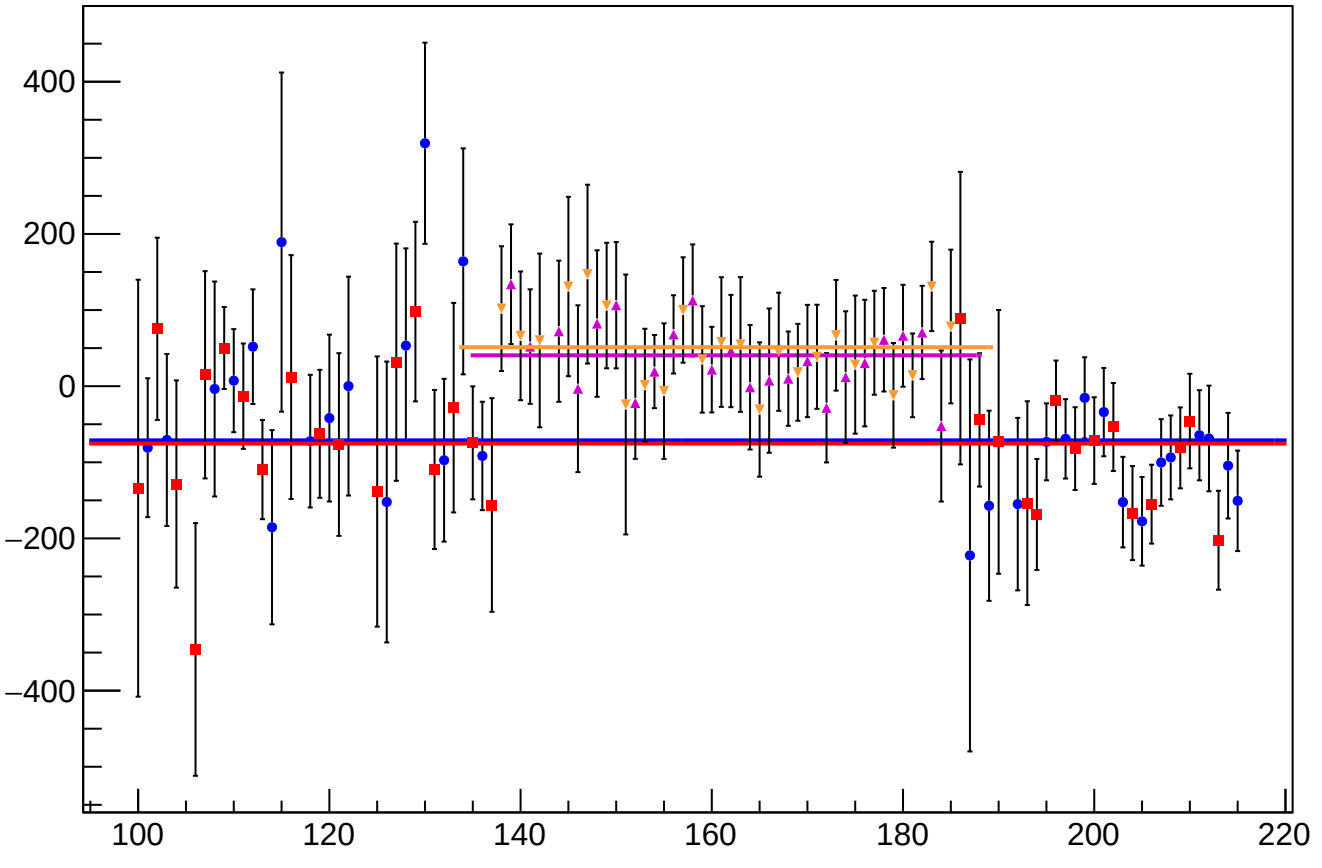
Right: -220.992+/-28.847 χ^2/NDF: 61.0/62

In: -61.979+/-29.683 χ^2/NDF:70.3/53

Out: -64.752+/-30.909 χ^2/NDF:75.0/55

All: -63.310+/-21.409 χ^2/NDF: 145.3/109


asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
120
140
160
180
200
220
Right In: 171.234+/-0.029 χ²/NDF: 2330422.1/30
Left Out: 194.828+/-0.033 χ²/NDF:1752475.1/23
Right Out: 167.703+/-0.029 χ²/NDF: 2823190.5/31
Left In: 178.475+/-0.031 χ²/NDF:1676266.4/22
Left: 186.052+/-0.023 χ²/NDF: 3559074.3/46
Right: 169.493+/-0.020 χ²/NDF: 5161101.4/62
In: 174.589+/-0.021 χ²/NDF:4036288.9/53
Out: 179.470+/-0.022 χ²/NDF:4953999.4/55
All: 176.931+/-0.015 χ²/NDF: 9016228.9/109



Right In: -71.213+/-13.900 χ^2/NDF: 29.4/30

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -75.384+/-14.126 χ^2/NDF: 27.8/31

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

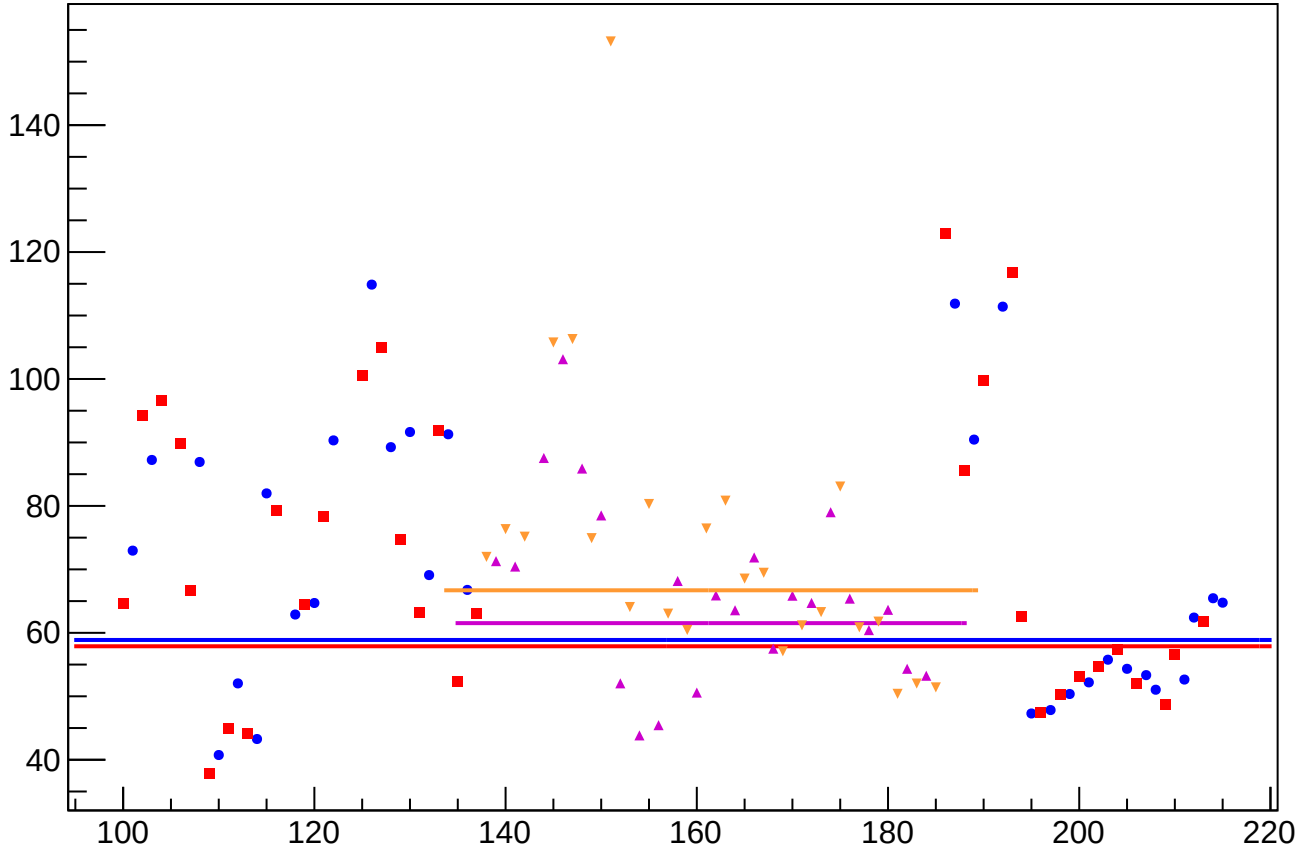
Right: -73.265+/-9.908 χ^2/NDF: 57.3/62

In: -19.503+/-10.188 χ^2/NDF:67.2/53

Out: -20.096+/-10.600 χ^2/NDF:71.0/55

All: -19.788+/-7.346 χ^2/NDF: 138.2/109

asym_bcm_2an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 58.877+/-0.010 χ^2/NDF: 2180457.6/30

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 57.884+/-0.010 χ^2/NDF: 2624738.8/31

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

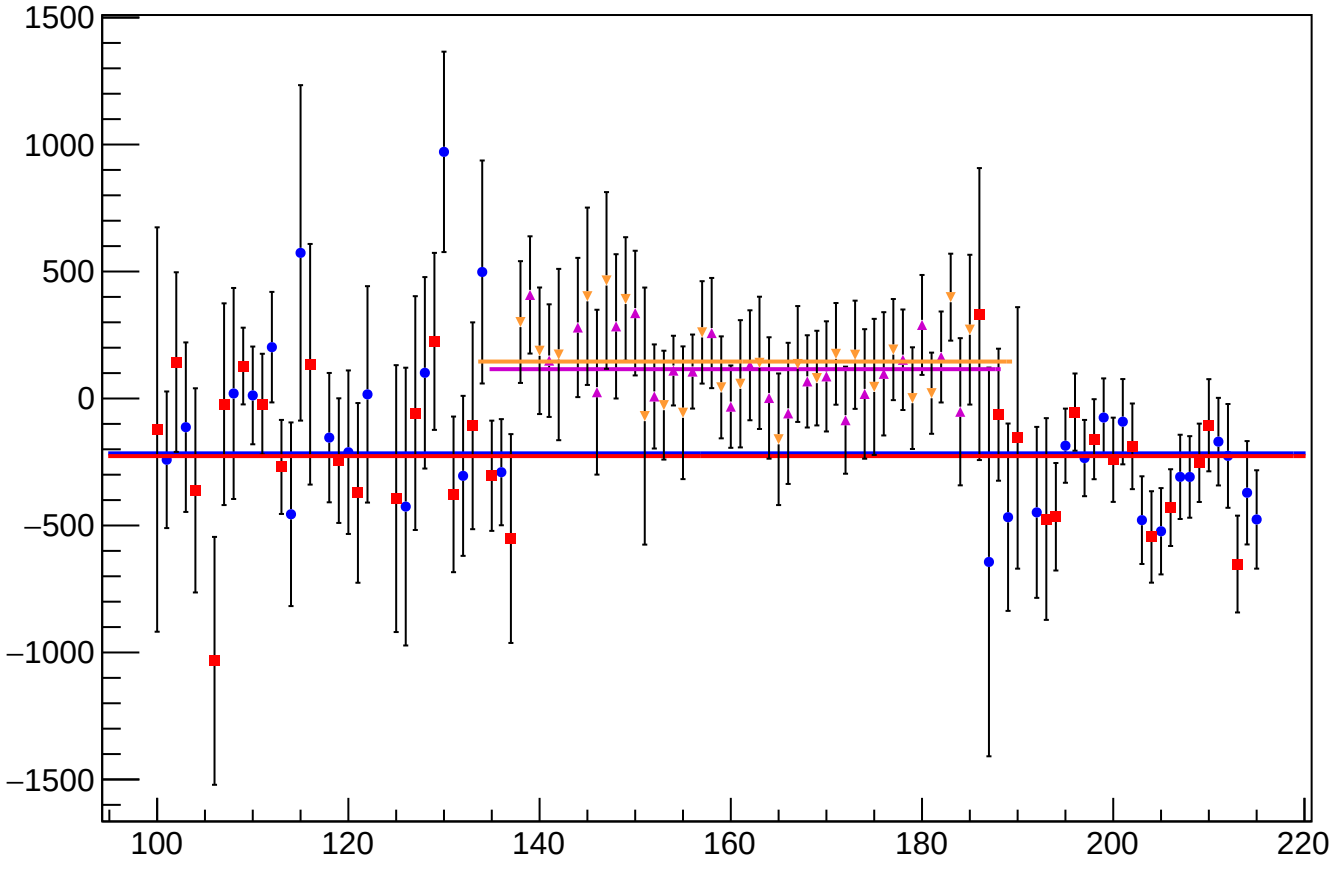
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.388+/-0.007 χ^2/NDF: 4810218.5/62

In: 60.104+/-0.007 χ^2/NDF:3703992.1/53

Out: 61.737+/-0.007 χ^2/NDF:4641651.9/55

All: 60.888+/-0.005 χ^2/NDF: 8370314.5/109



Right In: -215.999+/-40.469 χ^2/NDF: 31.9/30

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -226.815+/-41.024 χ^2/NDF: 29.5/31

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

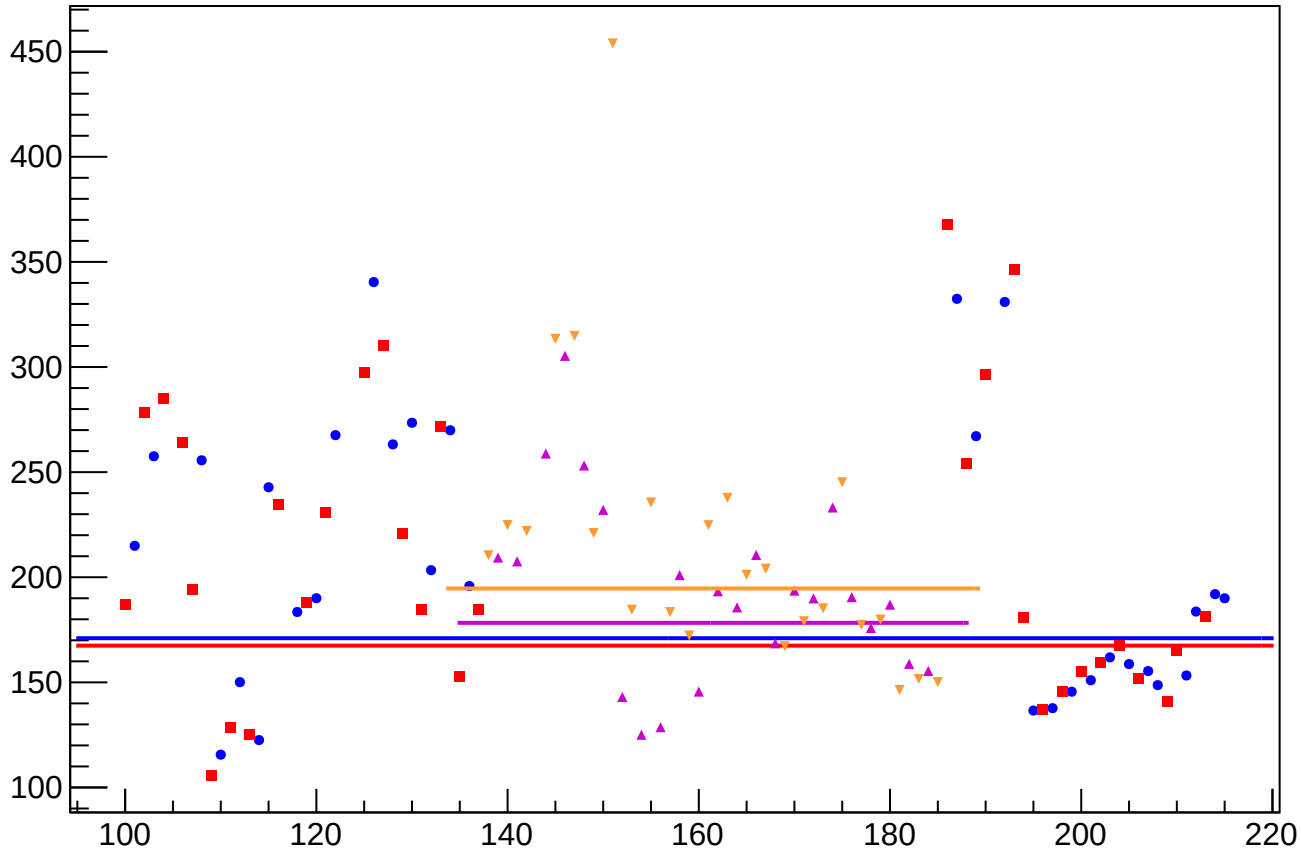
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -221.333+/-28.810 χ^2/NDF: 61.5/62

In: -62.464+/-29.651 χ^2/NDF:70.7/53

Out: -65.394+/-30.875 χ^2/NDF:75.5/55

All: -63.870+/-21.386 χ^2/NDF: 146.2/109



Right In: 171.002+/-0.029 χ^2/NDF: 2337014.5/30

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 167.469+/-0.029 χ^2/NDF: 2831613.9/31

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

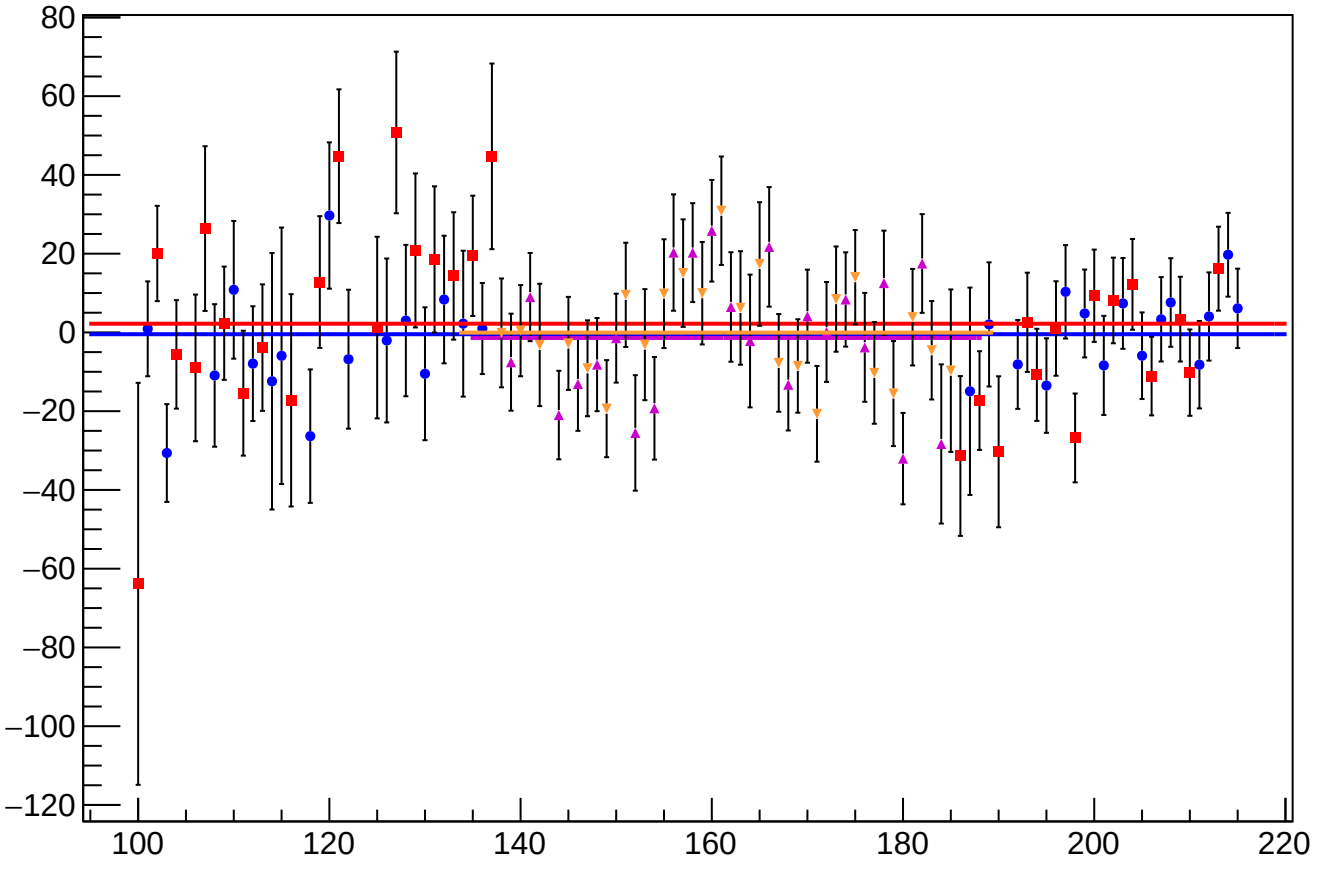
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 169.259+/-0.020 χ^2/NDF: 5176144.7/62

In: 174.390+/-0.021 χ^2/NDF:4045628.5/53

Out: 179.258+/-0.022 χ^2/NDF:4965667.5/55

All: 176.726+/-0.015 χ^2/NDF: 9037160.2/109



Right In: -0.457+/-2.443 χ^2/NDF: 22.3/30

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 2.210+/-2.520 χ^2/NDF: 48.9/31

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

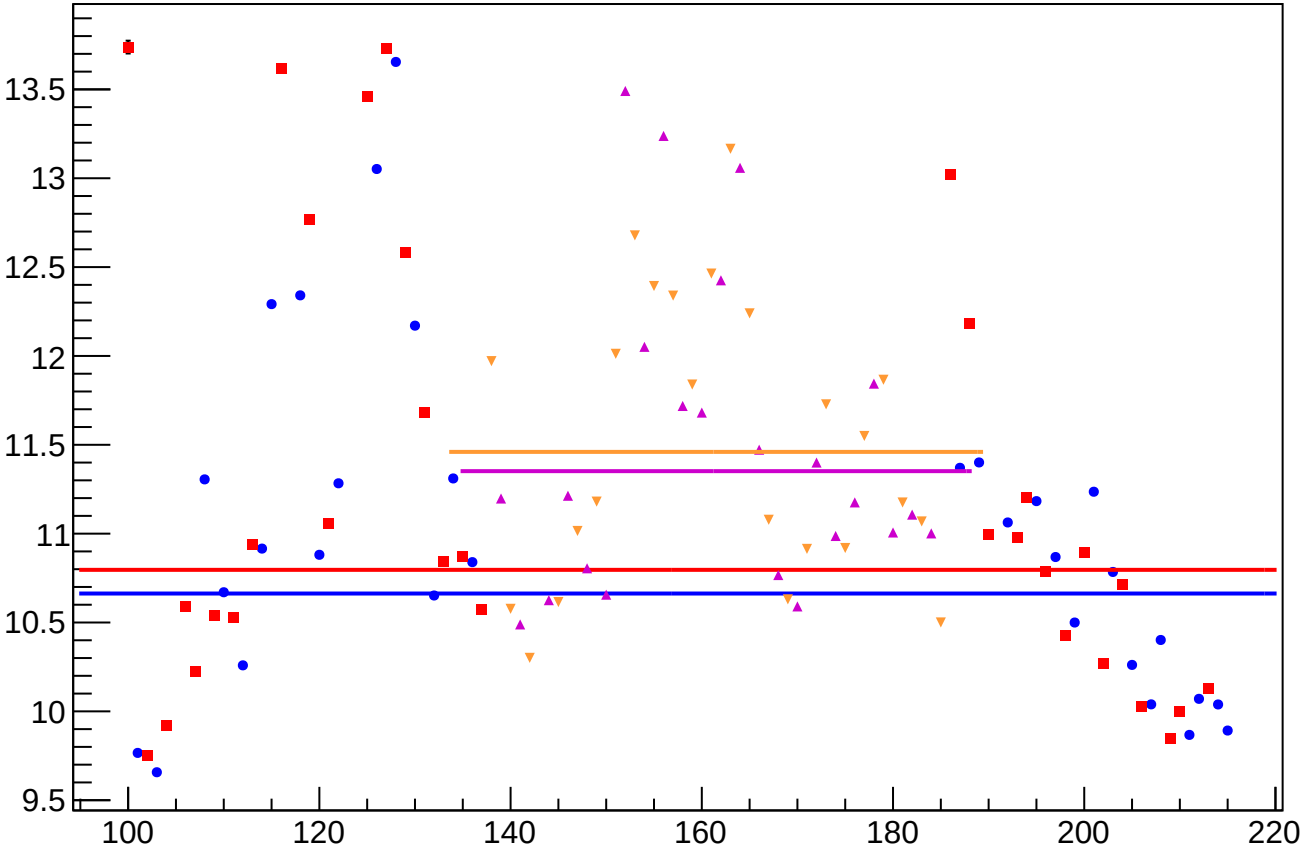
Right: 0.835+/-1.754 χ^2/NDF: 71.8/62

In: -0.889+/-1.804 χ^2/NDF:58.7/53

Out: 1.153+/-1.838 χ^2/NDF:69.8/55

All: 0.113+/-1.287 χ^2/NDF: 129.1/109

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.663+/-0.002 χ^2/NDF: 211853.4/30

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.796+/-0.002 χ^2/NDF: 276732.1/31

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

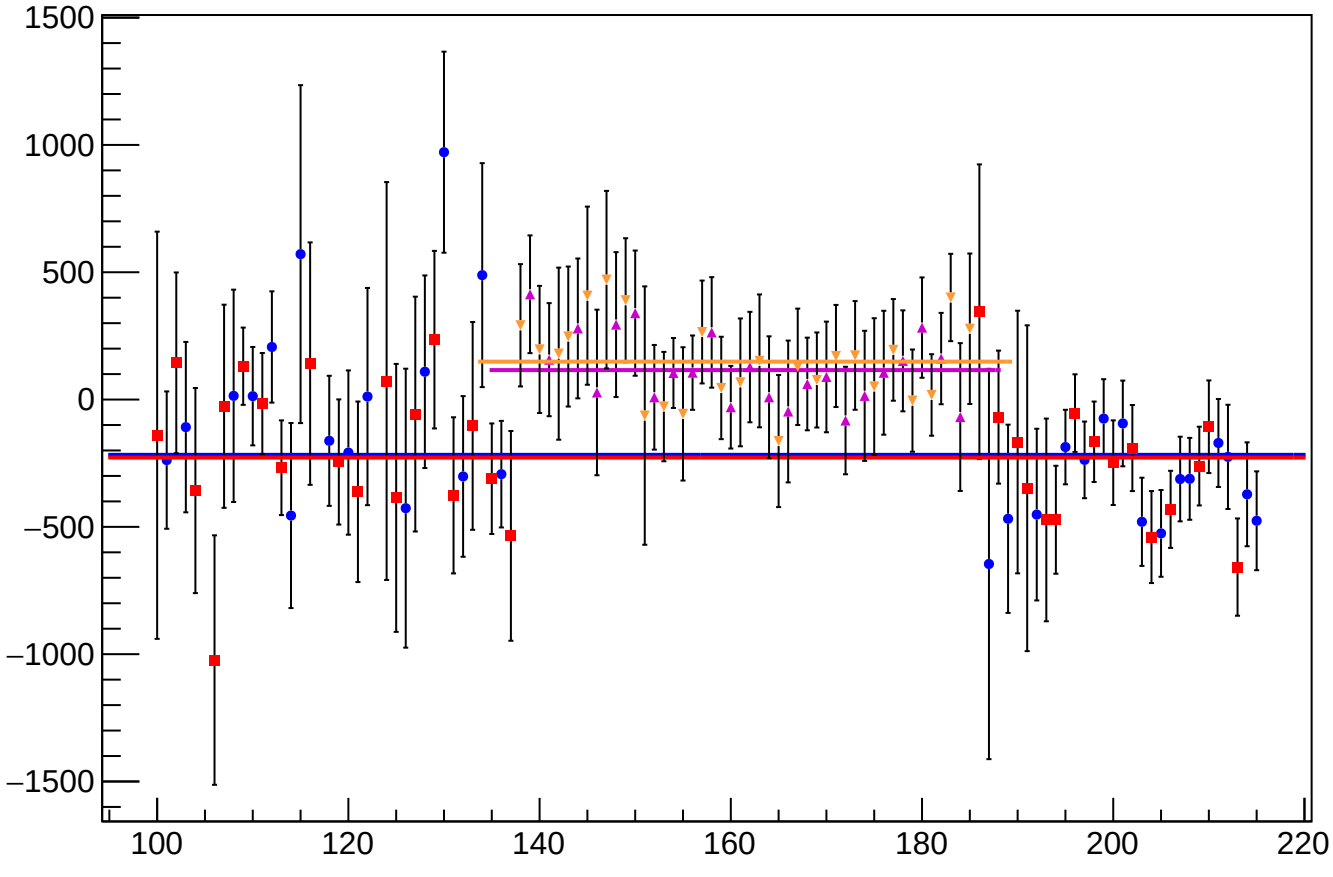
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.728+/-0.001 χ^2/NDF: 491466.7/62

In: 10.976+/-0.001 χ^2/NDF:454702.7/53

Out: 11.107+/-0.001 χ^2/NDF:492142.5/55

All: 11.041+/-0.001 χ^2/NDF: 952002.7/109



Right In: -217.111+/-40.570 χ^2/NDF: 31.9/30

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -227.794+/-40.994 χ^2/NDF: 29.8/33

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

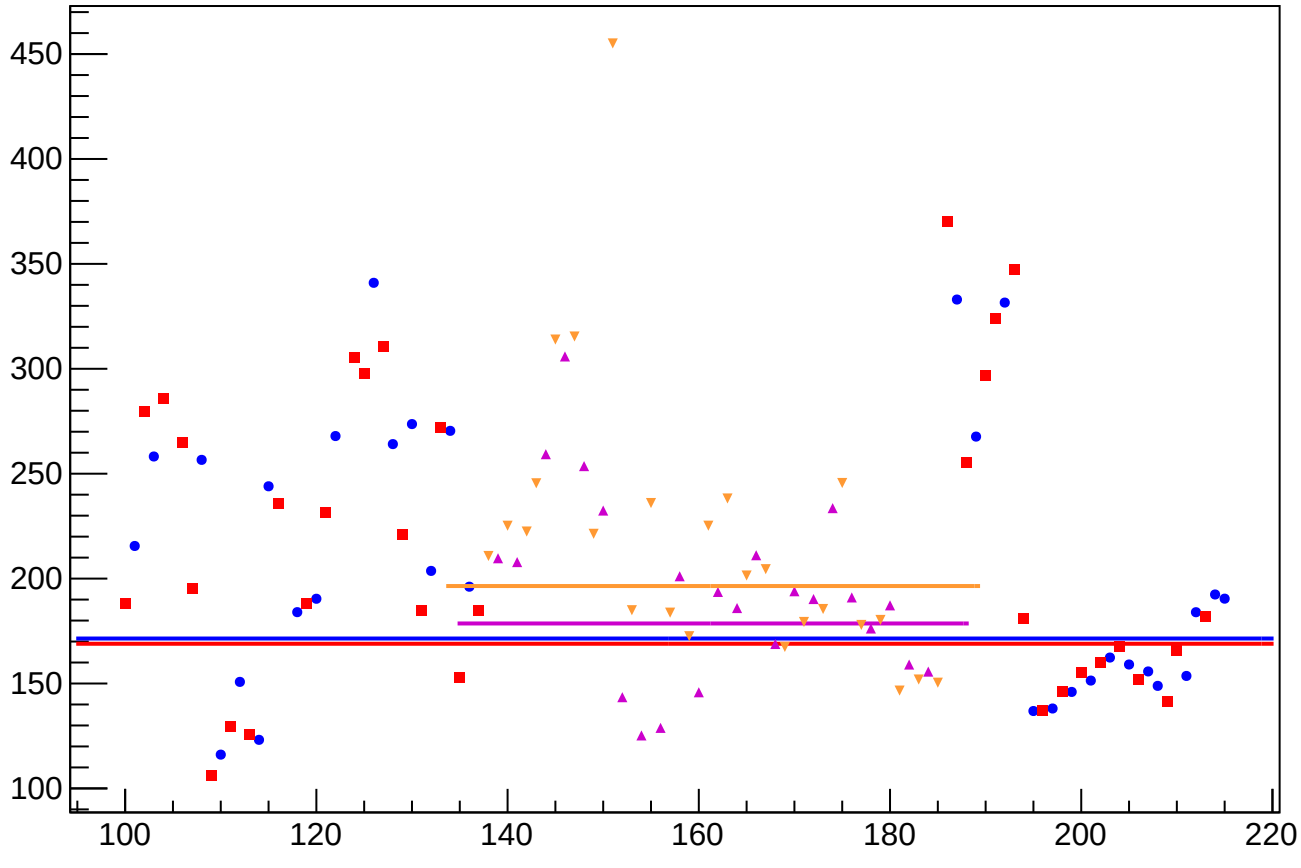
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -222.397+/-28.836 χ^2/NDF: 61.7/64

In: -62.821+/-29.714 χ^2/NDF:70.9/53

Out: -62.283+/-30.694 χ^2/NDF:77.4/58

All: -62.561+/-21.349 χ^2/NDF: 148.3/112



Right In: 171.441+/-0.029 χ^2/NDF: 2332243.7/30

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.946+/-0.029 χ^2/NDF: 3008681.7/33

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

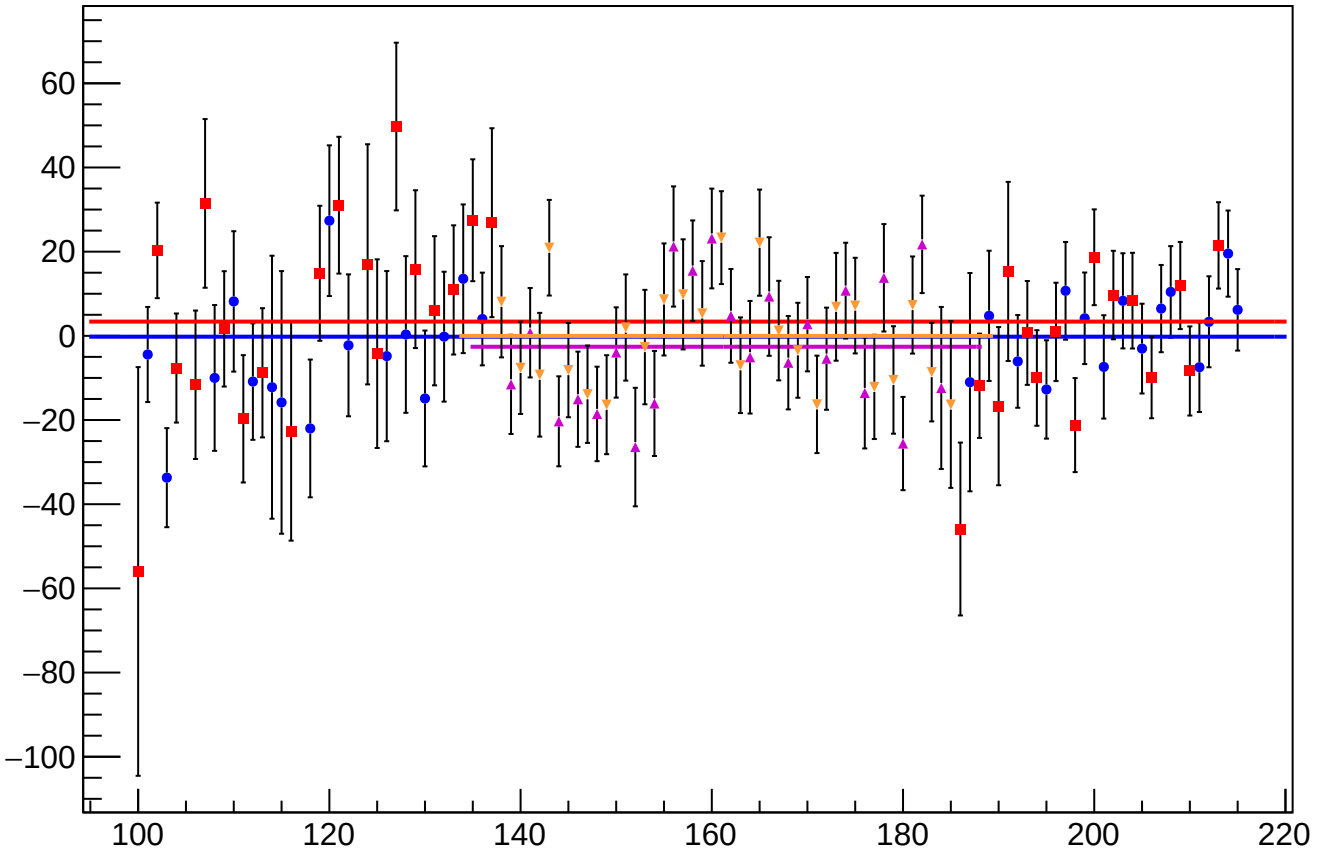
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 170.206+/-0.020 χ^2/NDF: 5344667.7/64

In: 174.766+/-0.021 χ^2/NDF:4040089.5/53

Out: 181.032+/-0.022 χ^2/NDF:5223121.2/58

All: 177.797+/-0.015 χ^2/NDF: 9306240.6/112



Right In: -0.204+/-2.356 χ^2/NDF: 25.4/30

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.384+/-2.409 χ^2/NDF: 49.2/33

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

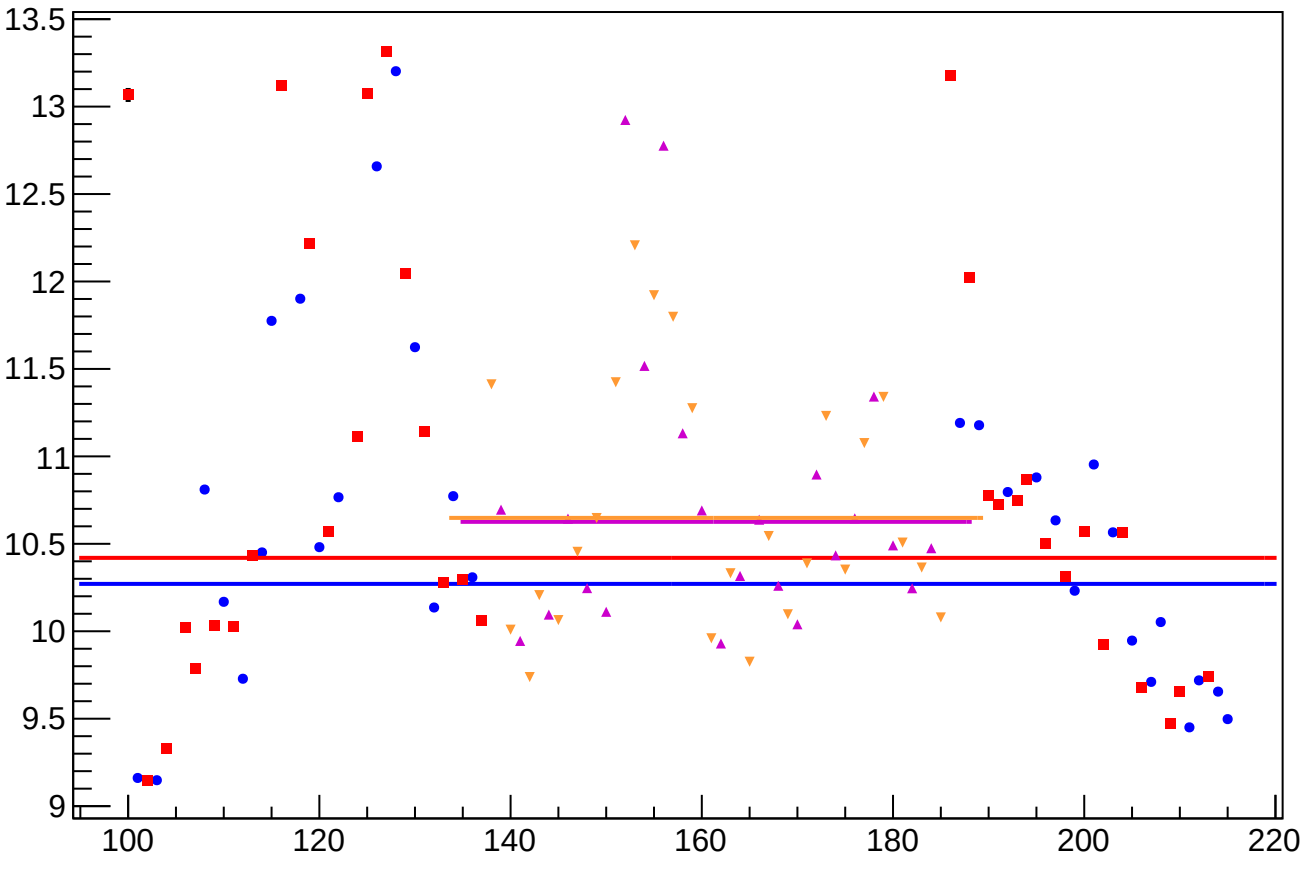
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 1.550+/-1.684 χ^2/NDF: 75.8/64

In: -1.324+/-1.716 χ^2/NDF:60.7/53

Out: 1.708+/-1.716 χ^2/NDF:73.9/58

All: 0.193+/-1.213 χ^2/NDF: 136.2/112



Right In: 10.271+/-0.002 χ^2/NDF: 237031.1/30

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.420+/-0.002 χ^2/NDF: 317285.6/33

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

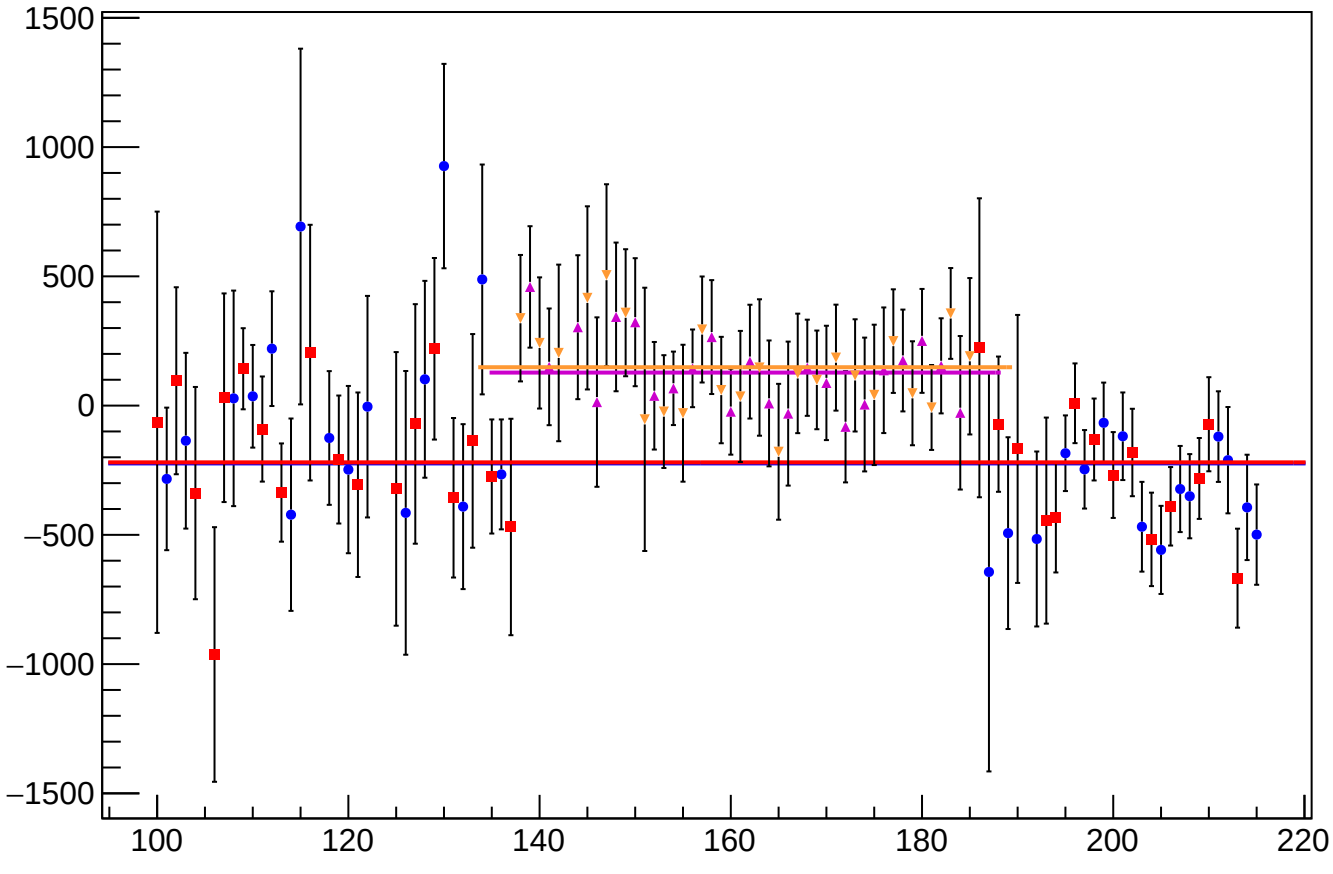
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.344+/-0.001 χ^2/NDF: 558220.1/64

In: 10.437+/-0.001 χ^2/NDF:417862.3/53

Out: 10.532+/-0.001 χ^2/NDF:469693.7/58

All: 10.485+/-0.001 χ^2/NDF: 890618.3/112



Right In: -223.661+/-40.887 χ^2/NDF: 33.8/30

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -219.554+/-41.510 χ^2/NDF: 28.0/31

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

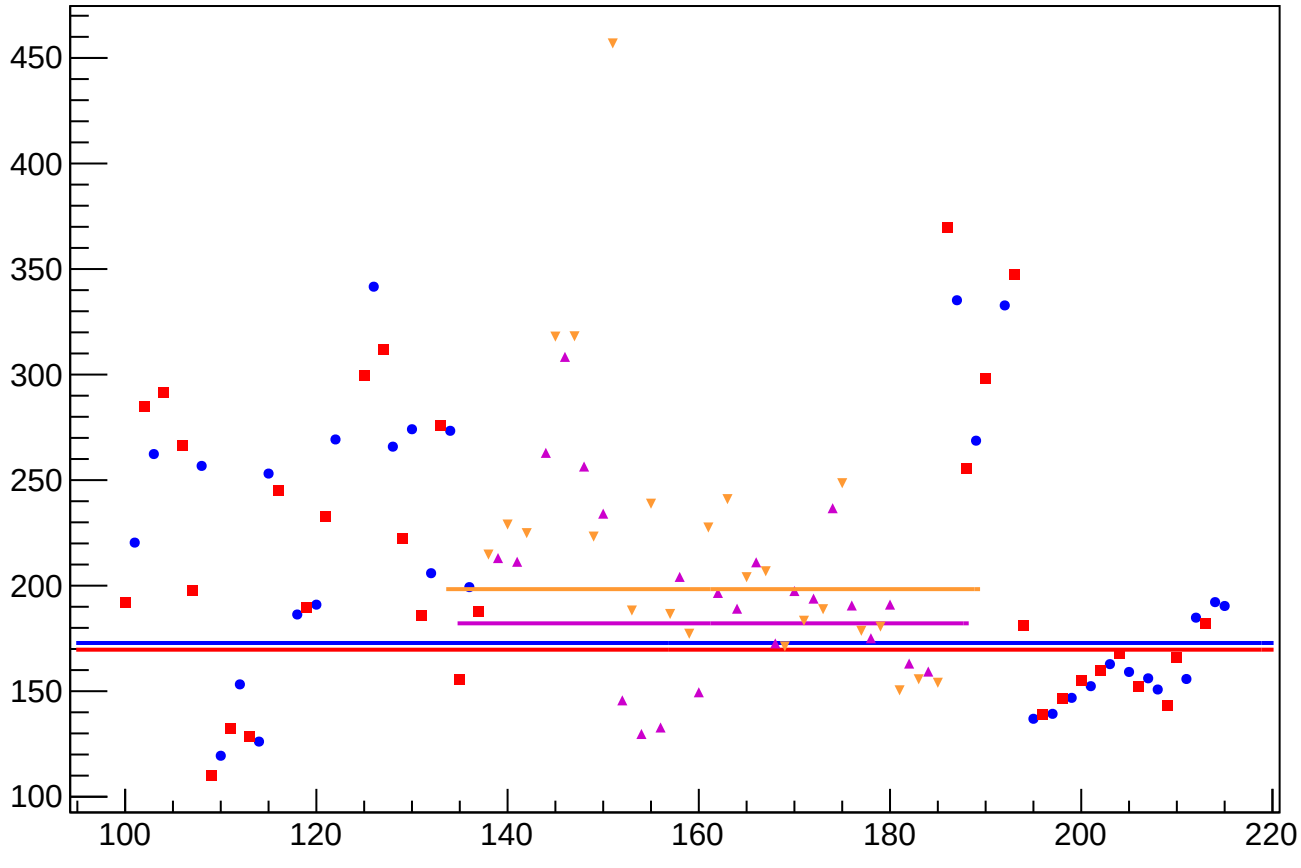
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -221.639+/-29.129 χ^2/NDF: 61.8/62

In: -62.529+/-30.085 χ^2/NDF:75.5/53

Out: -61.047+/-31.319 χ^2/NDF:71.7/55

All: -61.818+/-21.696 χ^2/NDF: 147.2/109



Right In: 172.841+/-0.029 χ^2/NDF: 2314139.2/30

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 169.667+/-0.029 χ^2/NDF: 2764752.5/31

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

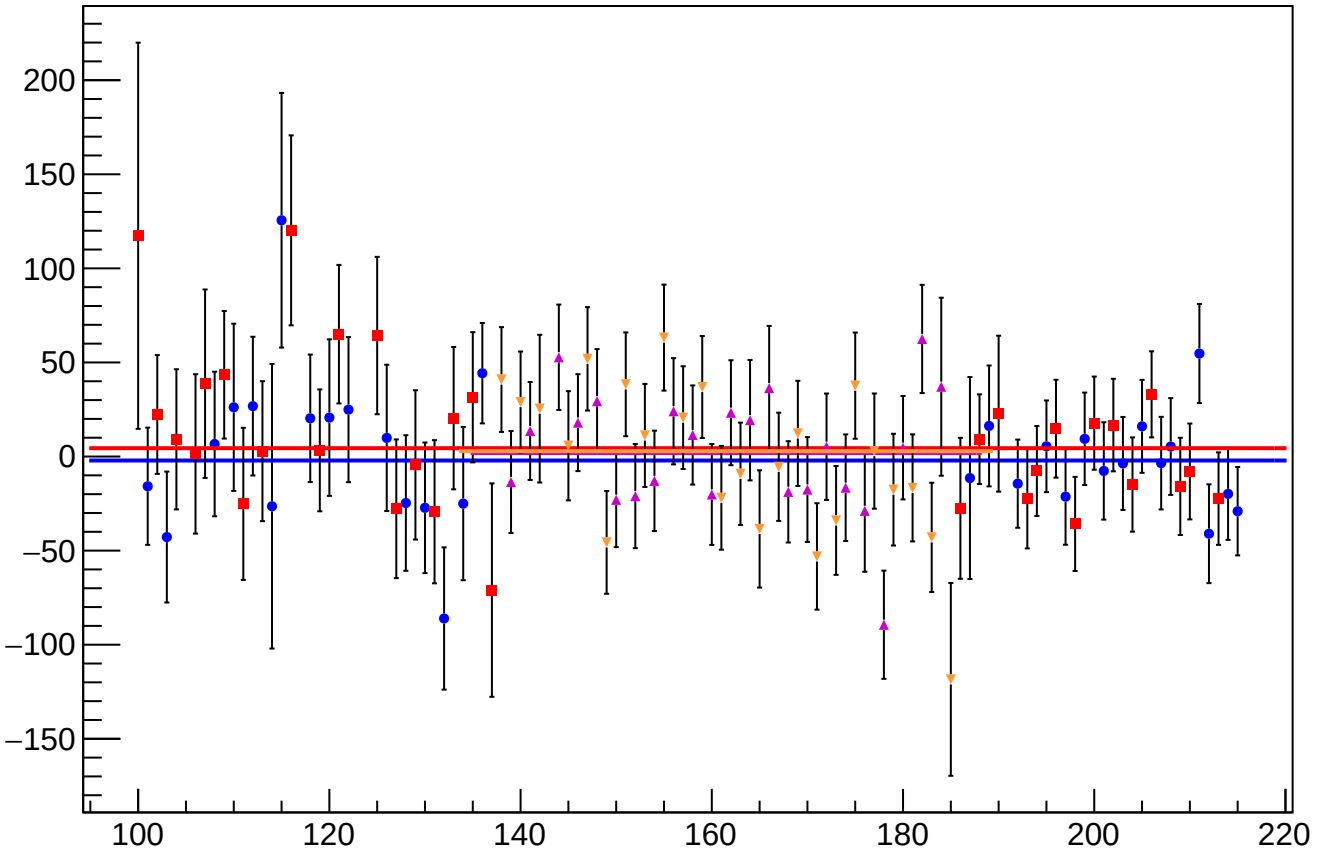
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 171.278+/-0.021 χ^2/NDF: 5084824.2/62

In: 177.110+/-0.021 χ^2/NDF:3946044.2/53

Out: 182.023+/-0.022 χ^2/NDF:4873162.1/55

All: 179.468+/-0.015 χ^2/NDF: 8844799.4/109



Right In: -2.109+/-5.456 χ^2/NDF: 27.7/30

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 4.440+/-5.562 χ^2/NDF: 27.8/31

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

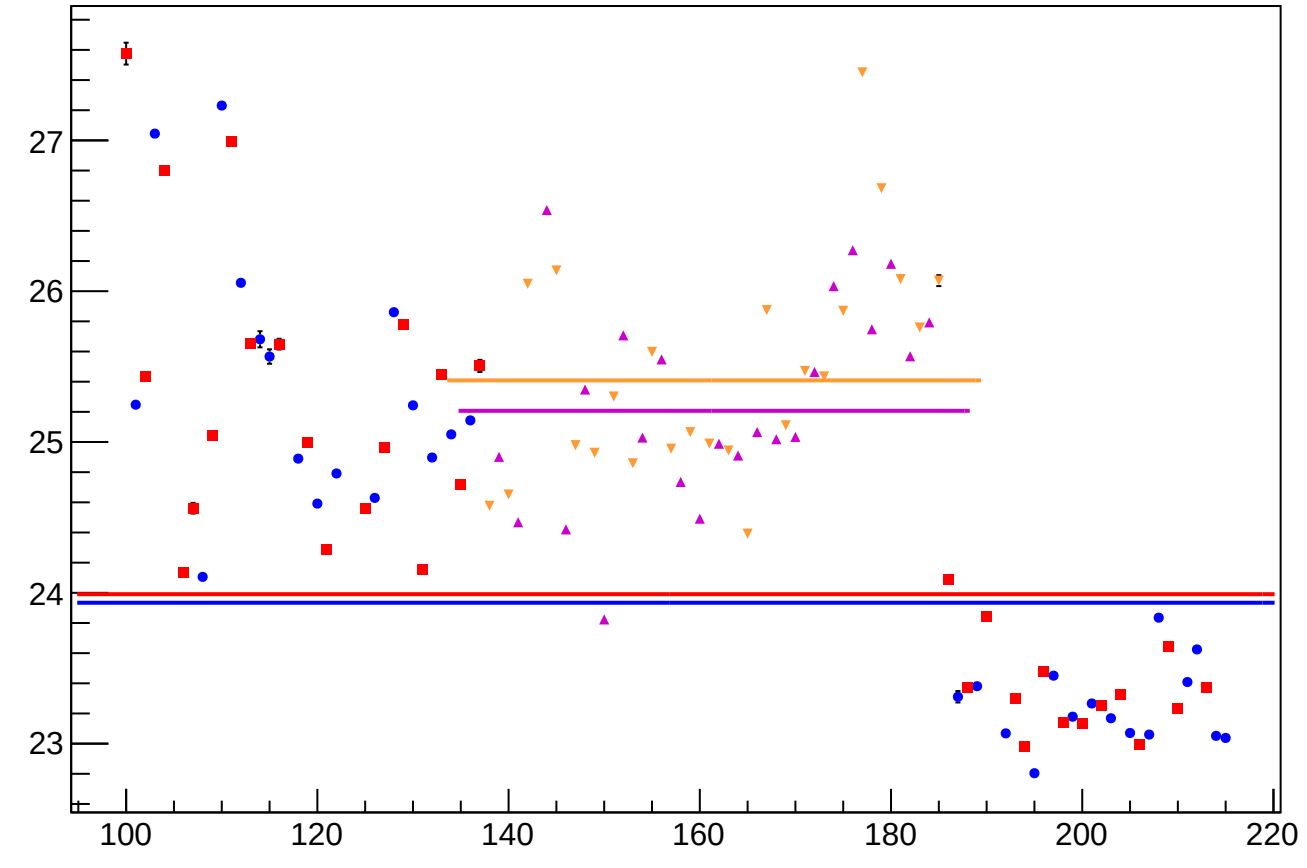
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 1.102+/-3.895 χ^2/NDF: 56.2/62

In: -0.282+/-4.003 χ^2/NDF:56.0/53

Out: 3.693+/-4.048 χ^2/NDF:64.7/55

All: 1.683+/-2.847 χ^2/NDF: 121.2/109



Right In: 23.934+/-0.004 χ^2/NDF: 84020.1/30

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 23.991+/-0.004 χ^2/NDF: 72821.4/31

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

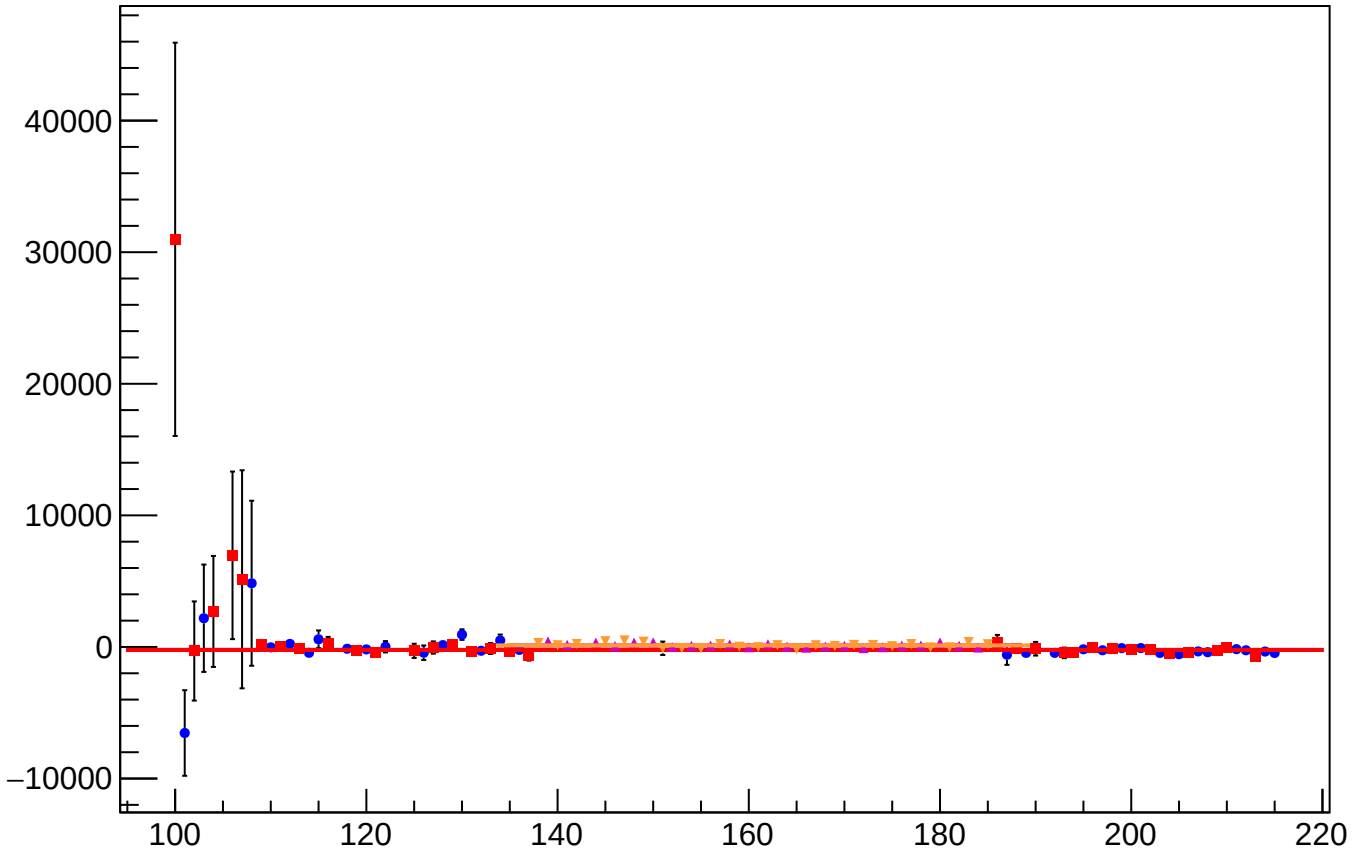
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 23.962+/-0.003 χ^2/NDF: 156947.7/62

In: 24.522+/-0.003 χ^2/NDF:160071.5/53

Out: 24.658+/-0.003 χ^2/NDF:160783.2/55

All: 24.589+/-0.002 χ^2/NDF: 321995.7/109



Right In: -223.251+/-42.463 χ^2/NDF: 35.6/30

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -228.385+/-43.676 χ^2/NDF: 32.1/31

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

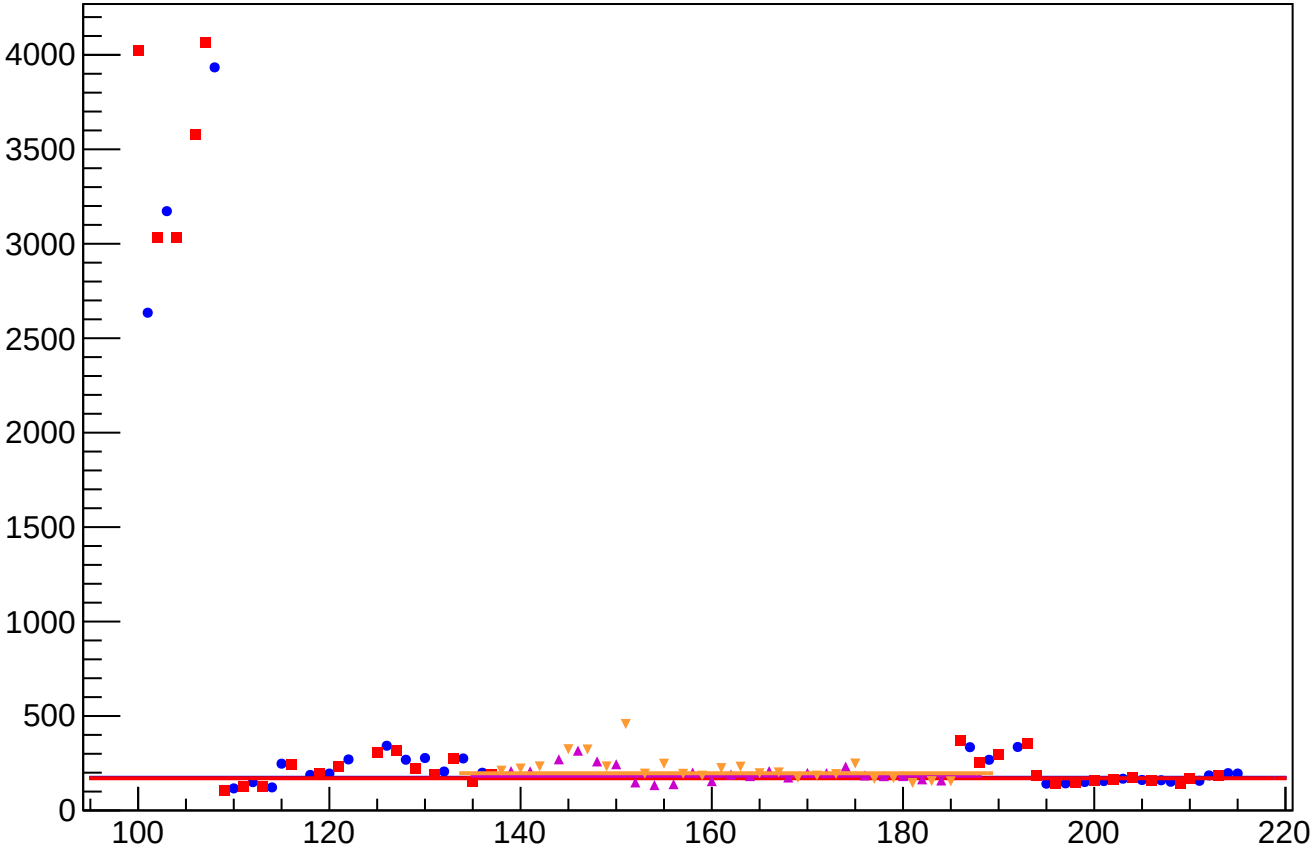
Right: -225.746+/-30.446 χ^2/NDF: 67.7/62

In: -62.535+/-30.814 χ^2/NDF:74.3/53

Out: -68.457+/-32.132 χ^2/NDF:73.2/55

All: -65.372+/-22.240 χ^2/NDF: 147.6/109

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 172.973+/-0.030 χ^2/NDF: 4950508.2/30

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 170.461+/-0.031 χ^2/NDF: 5429980.6/31

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

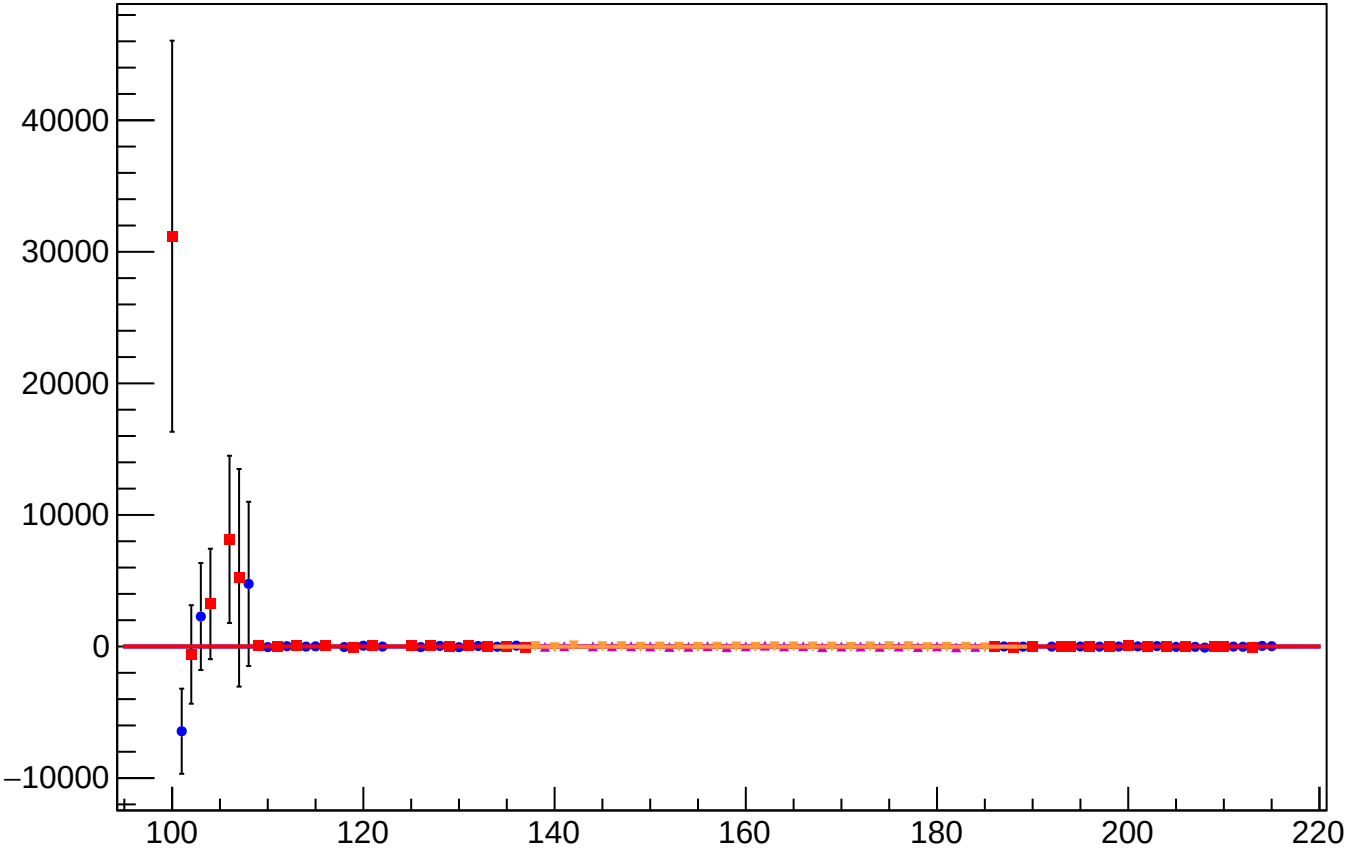
Right: 171.752+/-0.022 χ^2/NDF: 10383889.2/62

In: 178.217+/-0.022 χ^2/NDF:6460377.4/53

Out: 182.606+/-0.023 χ^2/NDF:7576360.4/55

All: 180.320+/-0.016 χ^2/NDF: 14056178.5/10

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: -1.695+/-6.497 χ^2/NDF: 32.9/30

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 6.394+/-6.718 χ^2/NDF: 37.4/31

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

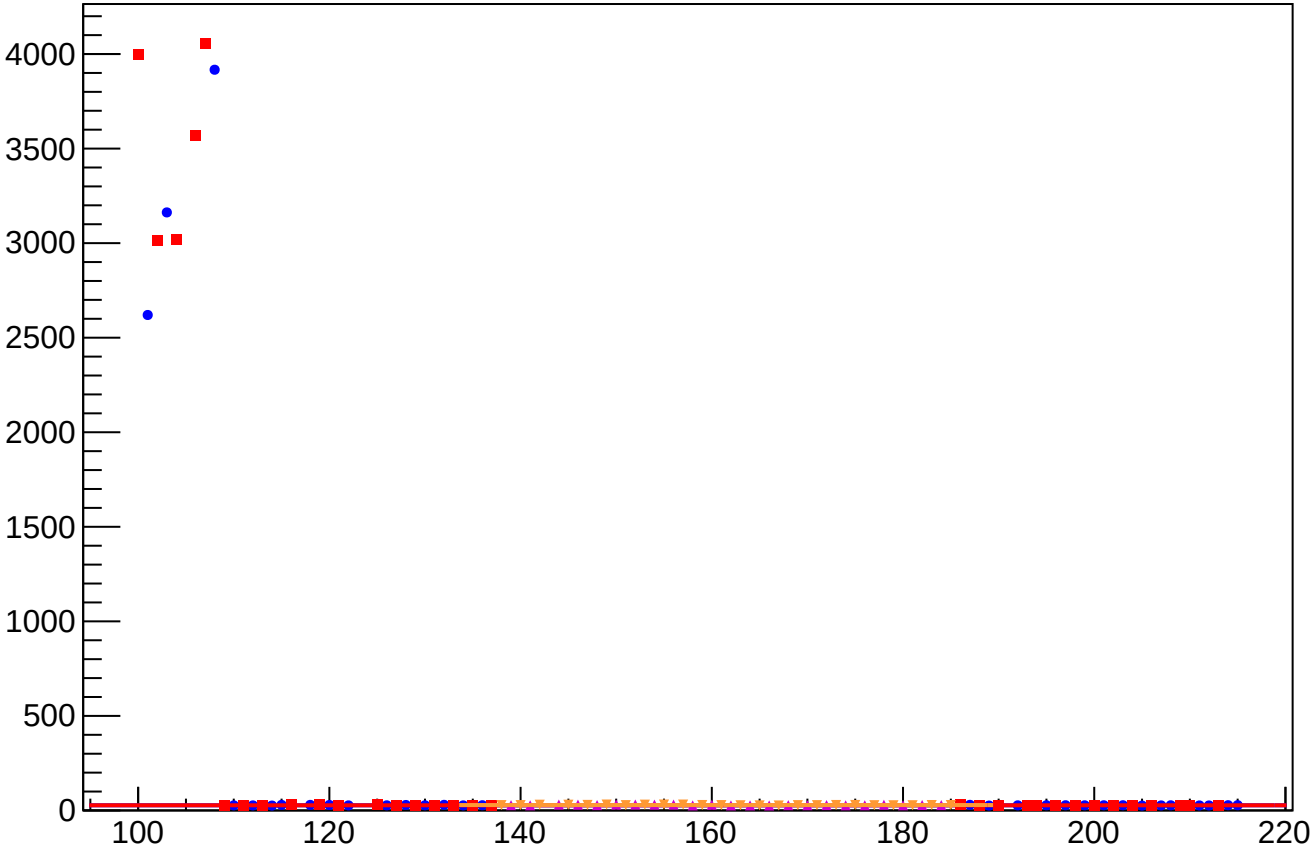
Right: 2.214+/-4.670 χ^2/NDF: 71.1/62

In: 0.365+/-4.675 χ^2/NDF:55.3/53

Out: -2.444+/-4.727 χ^2/NDF:58.3/55

All: -1.024+/-3.324 χ^2/NDF: 113.8/109

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.276+/-0.005 χ^2/NDF: 3289896.2/30

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.301+/-0.005 χ^2/NDF: 3597438.7/31

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

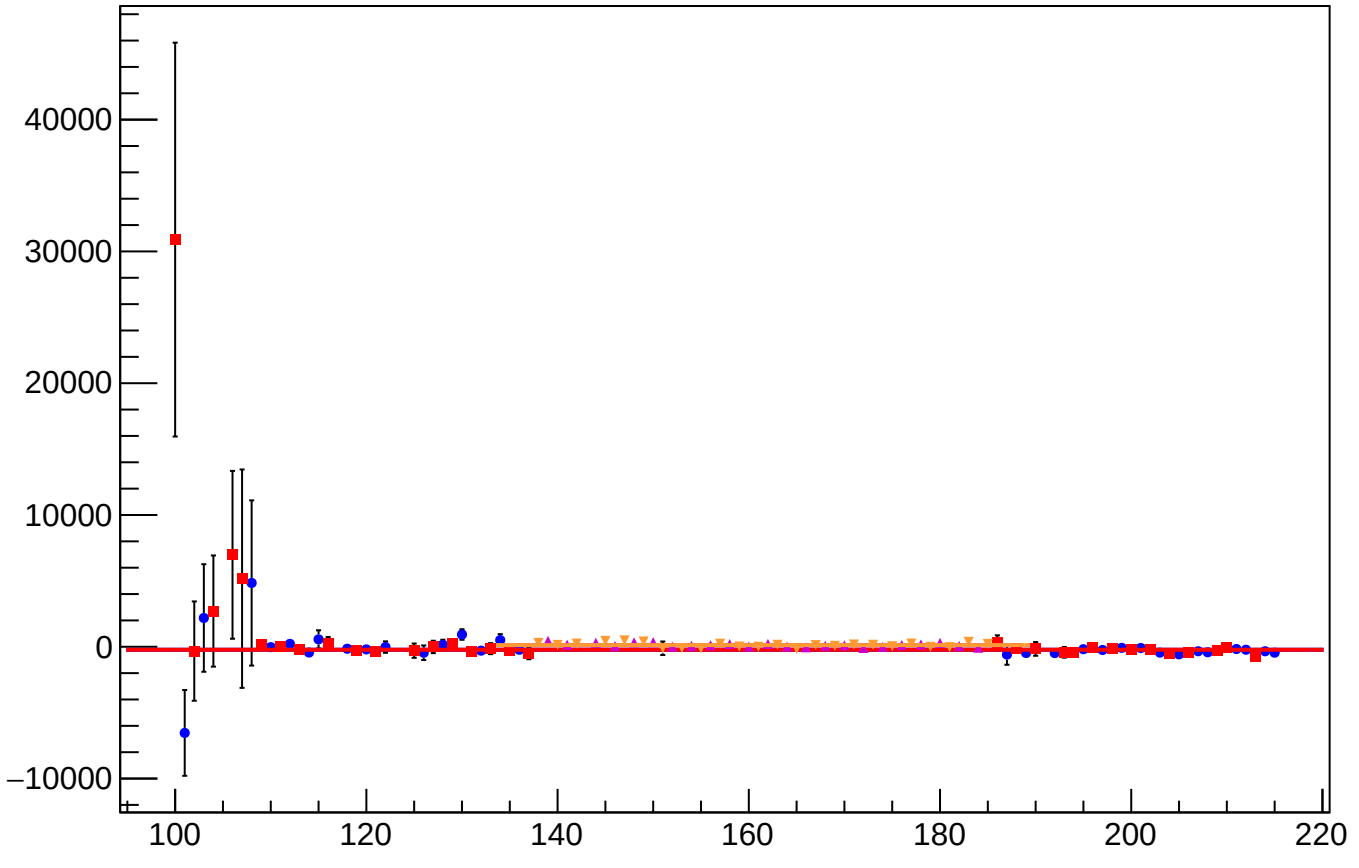
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.288+/-0.003 χ^2/NDF: 6887349.4/62

In: 27.976+/-0.003 χ^2/NDF:3465452.1/53

Out: 27.953+/-0.003 χ^2/NDF:3715755.1/55

All: 27.964+/-0.002 χ^2/NDF: 7181231.2/109



Right In: -227.370+/-42.641 χ^2/NDF: 35.7/30

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -225.395+/-43.849 χ^2/NDF: 30.3/31

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

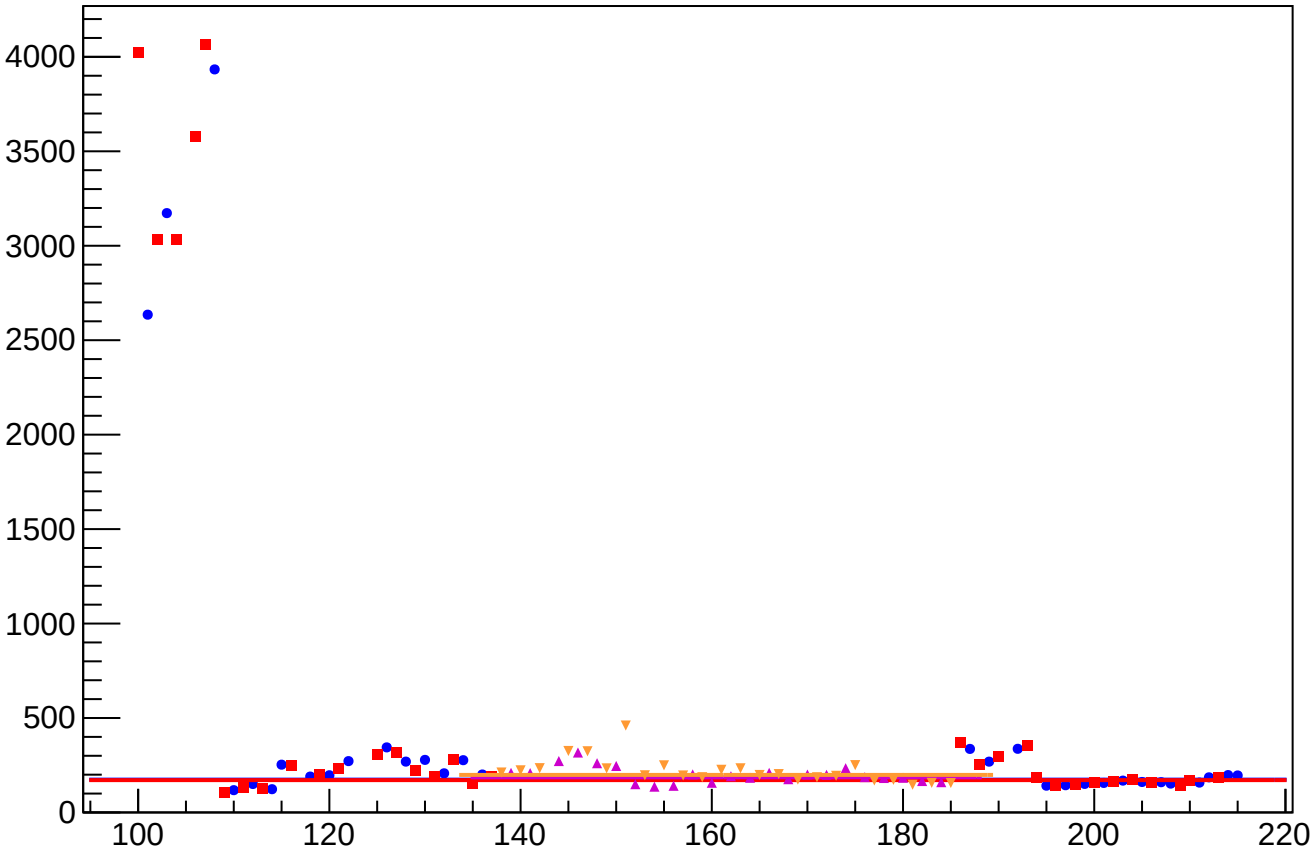
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -226.410+/-30.570 χ^2/NDF: 66.0/62

In: -62.469+/-31.016 χ^2/NDF:75.5/53

Out: -64.837+/-32.329 χ^2/NDF:71.3/55

All: -63.604+/-22.382 χ^2/NDF: 146.8/109



Right In: 173.713+/-0.030 χ^2/NDF: 4944571.3/30

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 171.181+/-0.031 χ^2/NDF: 5417410.2/31

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

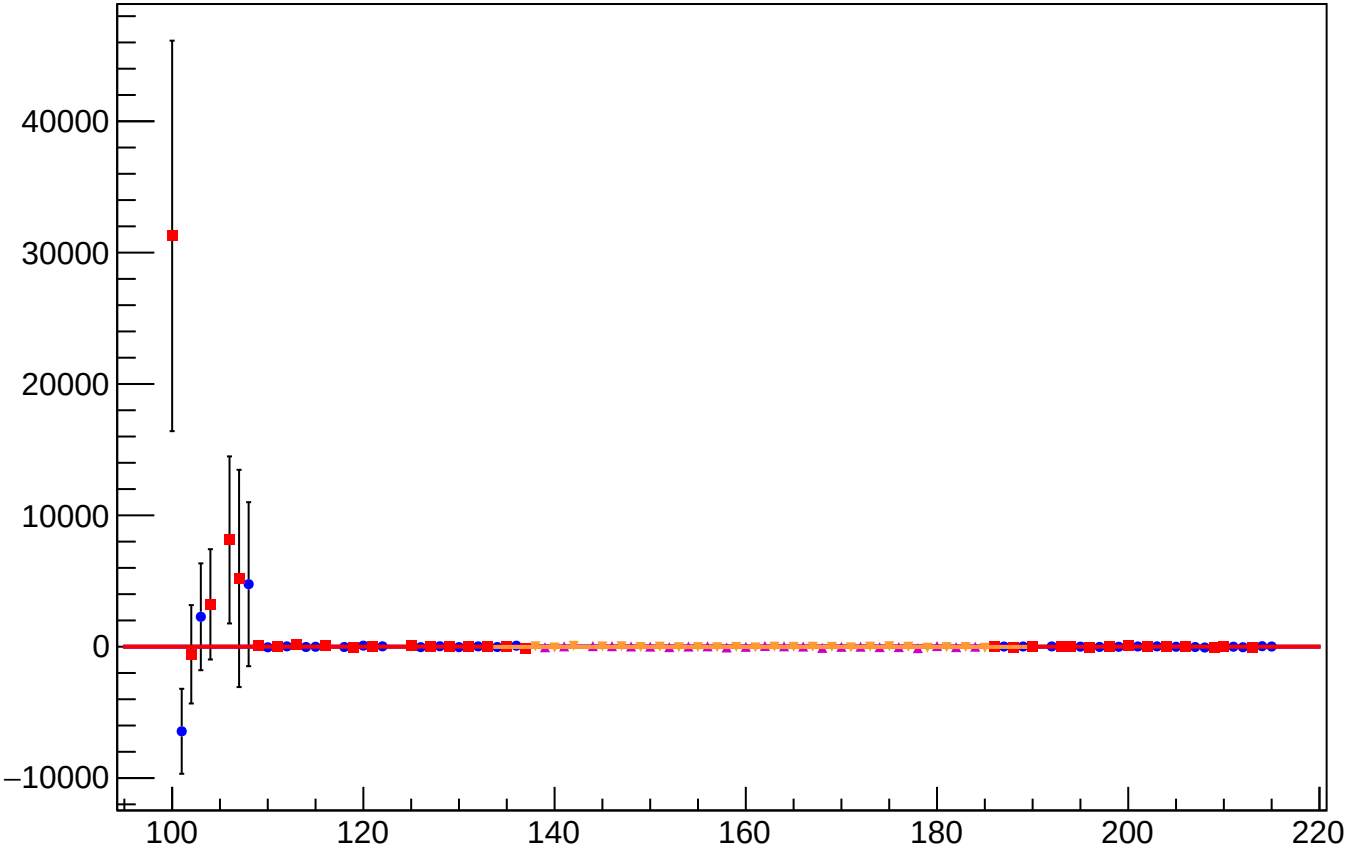
Right: 172.482+/-0.022 χ^2/NDF: 10365409.9/62

In: 179.438+/-0.022 χ^2/NDF:6426669.2/53

Out: 183.758+/-0.023 χ^2/NDF:7564309.6/55

All: 181.509+/-0.016 χ^2/NDF: 14009568.7/10

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 3.439+/-7.170 χ^2/NDF: 25.8/30

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 0.632+/-7.420 χ^2/NDF: 42.8/31

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

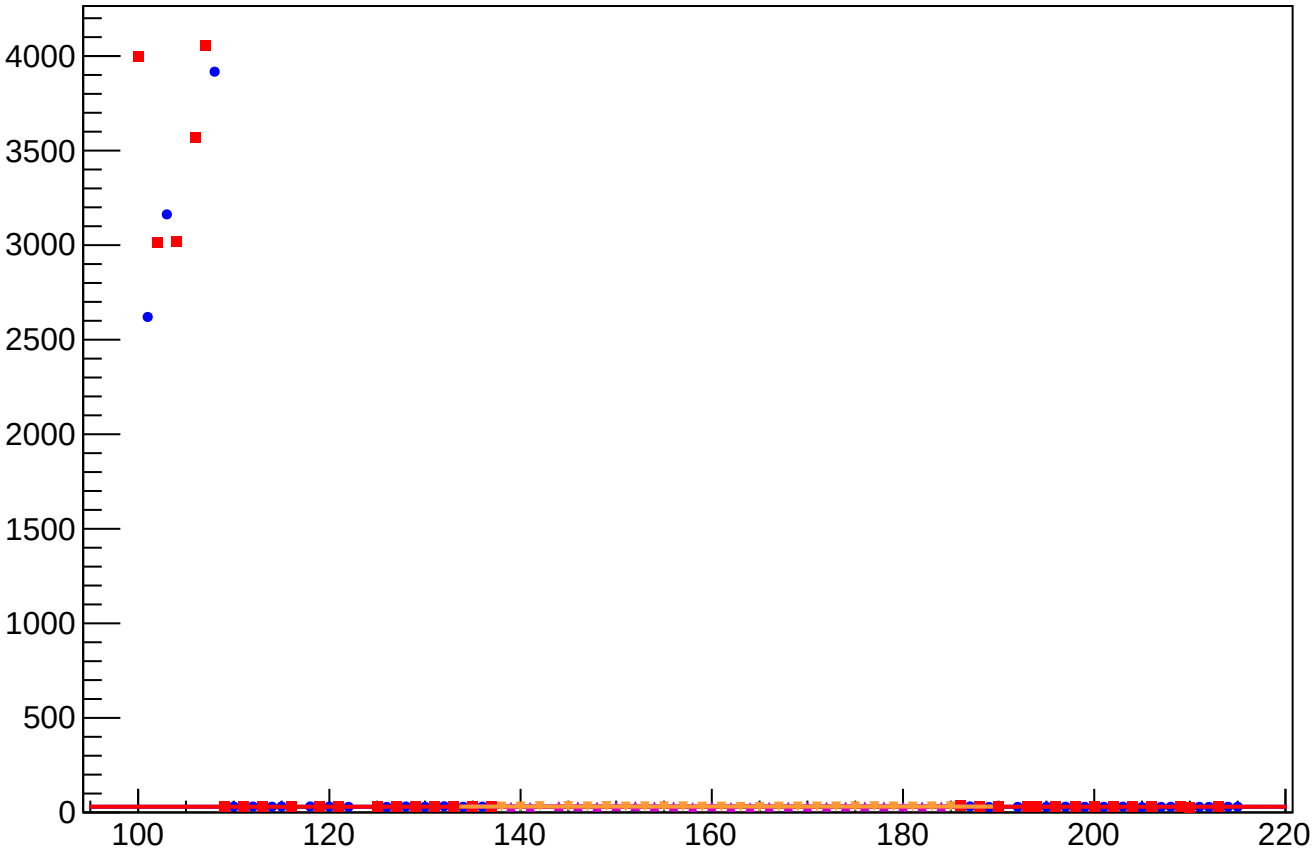
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 2.083+/-5.156 χ^2/NDF: 68.7/62

In: 0.440+/-5.132 χ^2/NDF:61.7/53

Out: -8.983+/-5.189 χ^2/NDF:66.4/55

All: -4.219+/-3.649 χ^2/NDF: 129.8/109



Right In: 30.109+/-0.005 χ^2/NDF: 3275530.5/30

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.172+/-0.005 χ^2/NDF: 3569919.2/31

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

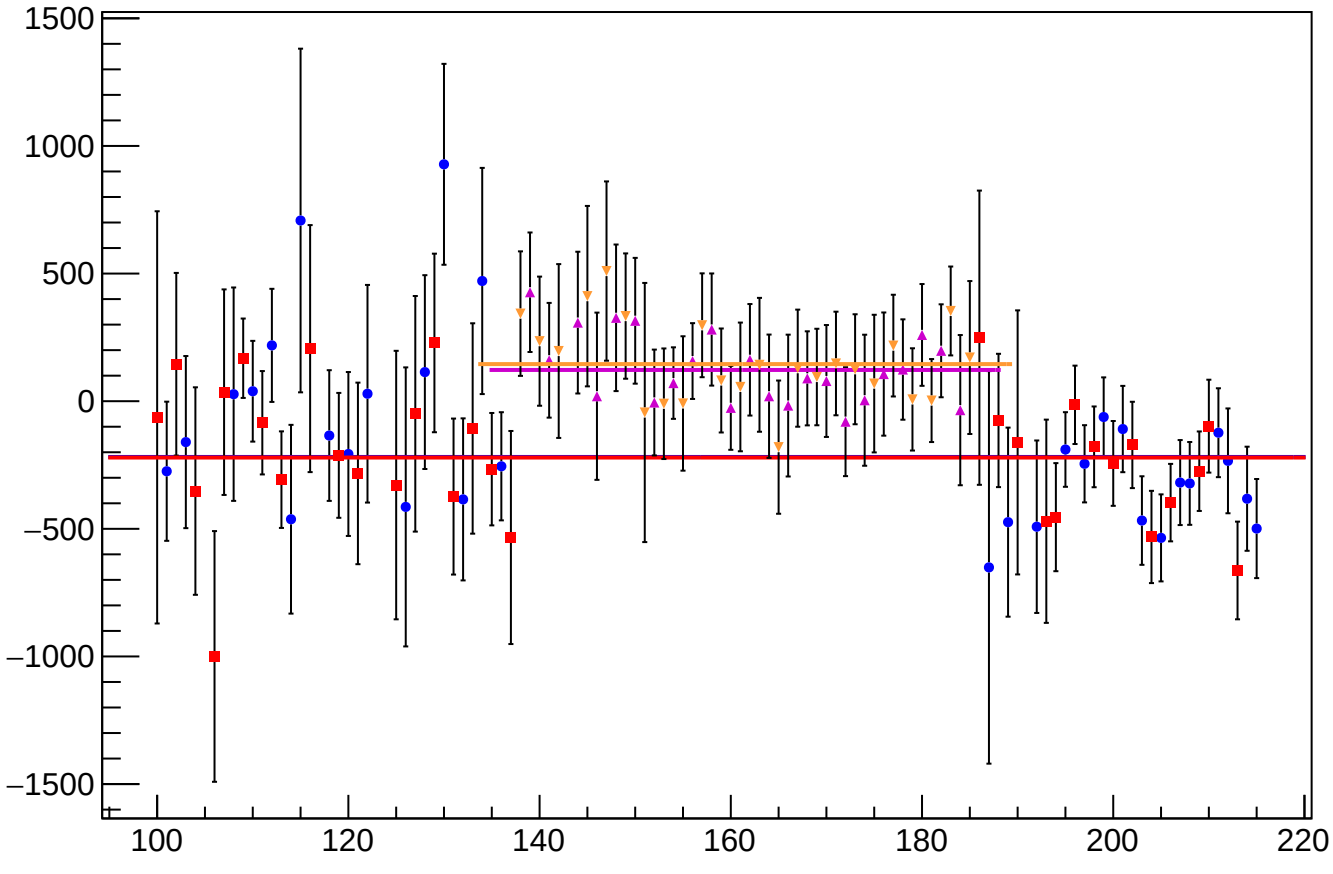
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.140+/-0.004 χ^2/NDF: 6845525.3/62

In: 30.729+/-0.004 χ^2/NDF:3391387.8/53

Out: 30.708+/-0.004 χ^2/NDF:3637770.0/55

All: 30.719+/-0.003 χ^2/NDF: 7029173.2/109



Right In: -218.497+/-40.765 χ^2/NDF: 33.2/30

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -220.705+/-41.376 χ^2/NDF: 29.4/31

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

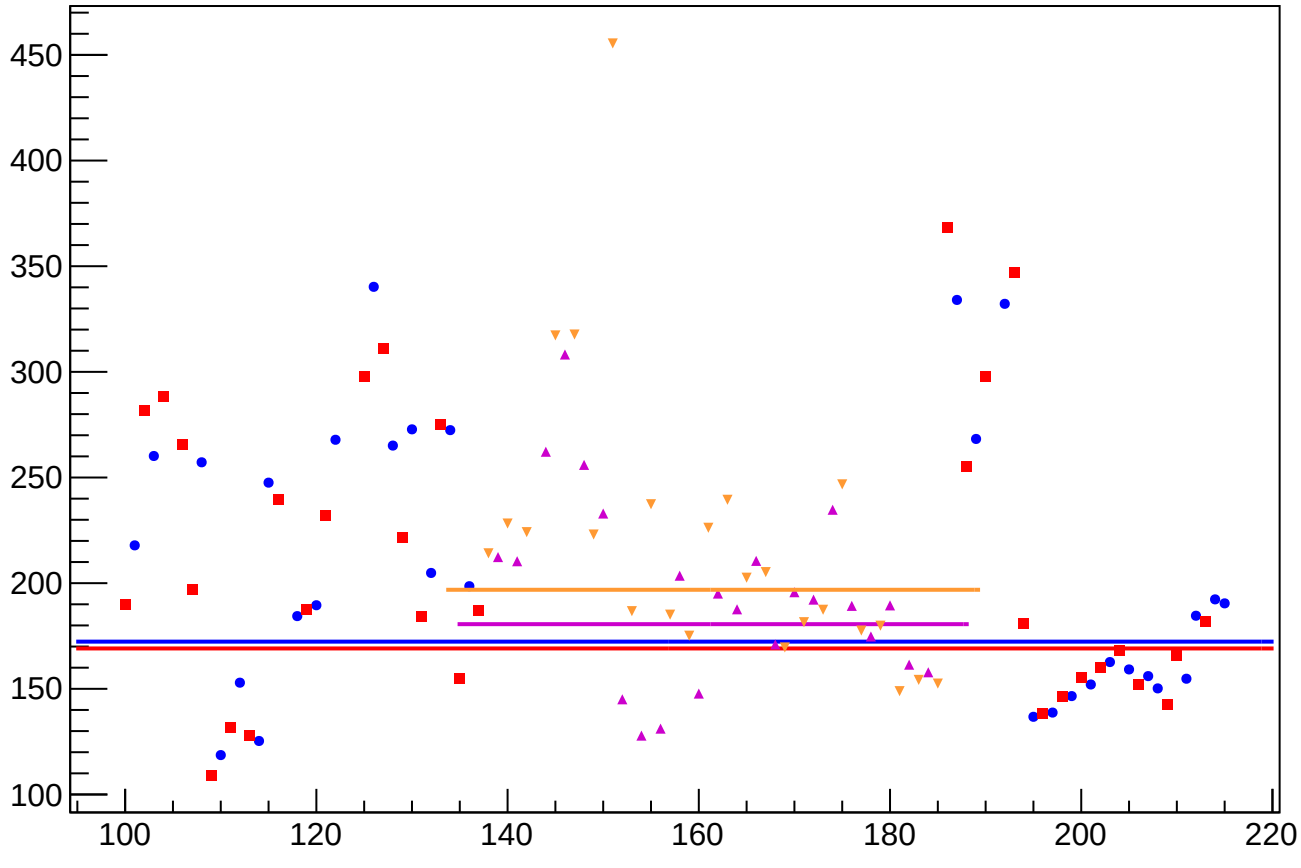
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -219.584+/-29.039 χ^2/NDF: 62.6/62

In: -61.361+/-29.929 χ^2/NDF:73.3/53

Out: -62.381+/-31.168 χ^2/NDF:72.6/55

All: -61.850+/-21.588 χ^2/NDF: 145.9/109



Right In: 172.335+/-0.029 χ^2/NDF: 2307683.7/30

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 169.101+/-0.029 χ^2/NDF: 2761997.4/31

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

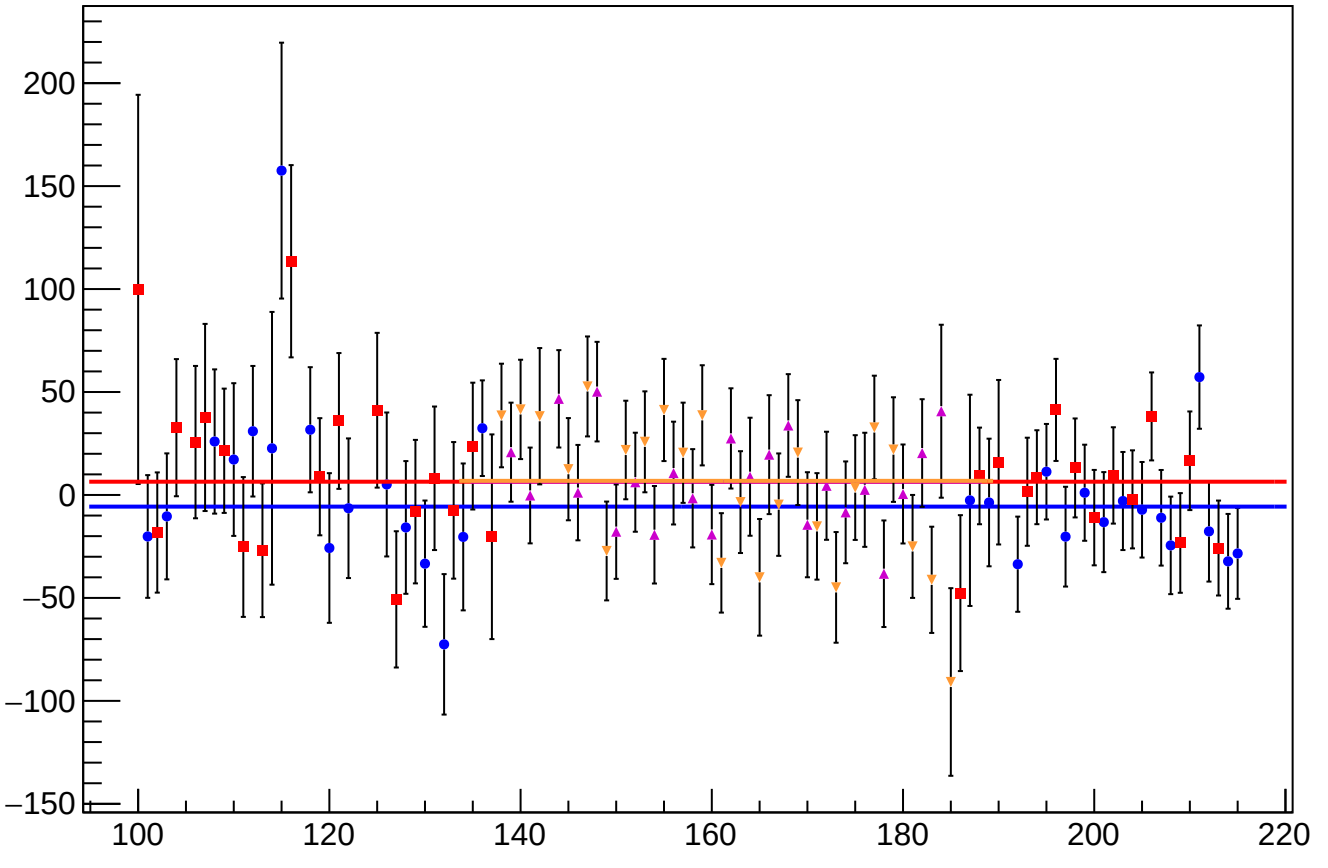
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 170.742+/-0.021 χ^2/NDF: 5075881.0/62

In: 176.146+/-0.021 χ^2/NDF:3973663.4/53

Out: 181.114+/-0.022 χ^2/NDF:4876843.8/55

All: 178.529+/-0.015 χ^2/NDF: 8876946.7/109



Right In: -5.659+/-5.055 χ^2/NDF: 31.6/30

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 6.438+/-5.170 χ^2/NDF: 26.9/31

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

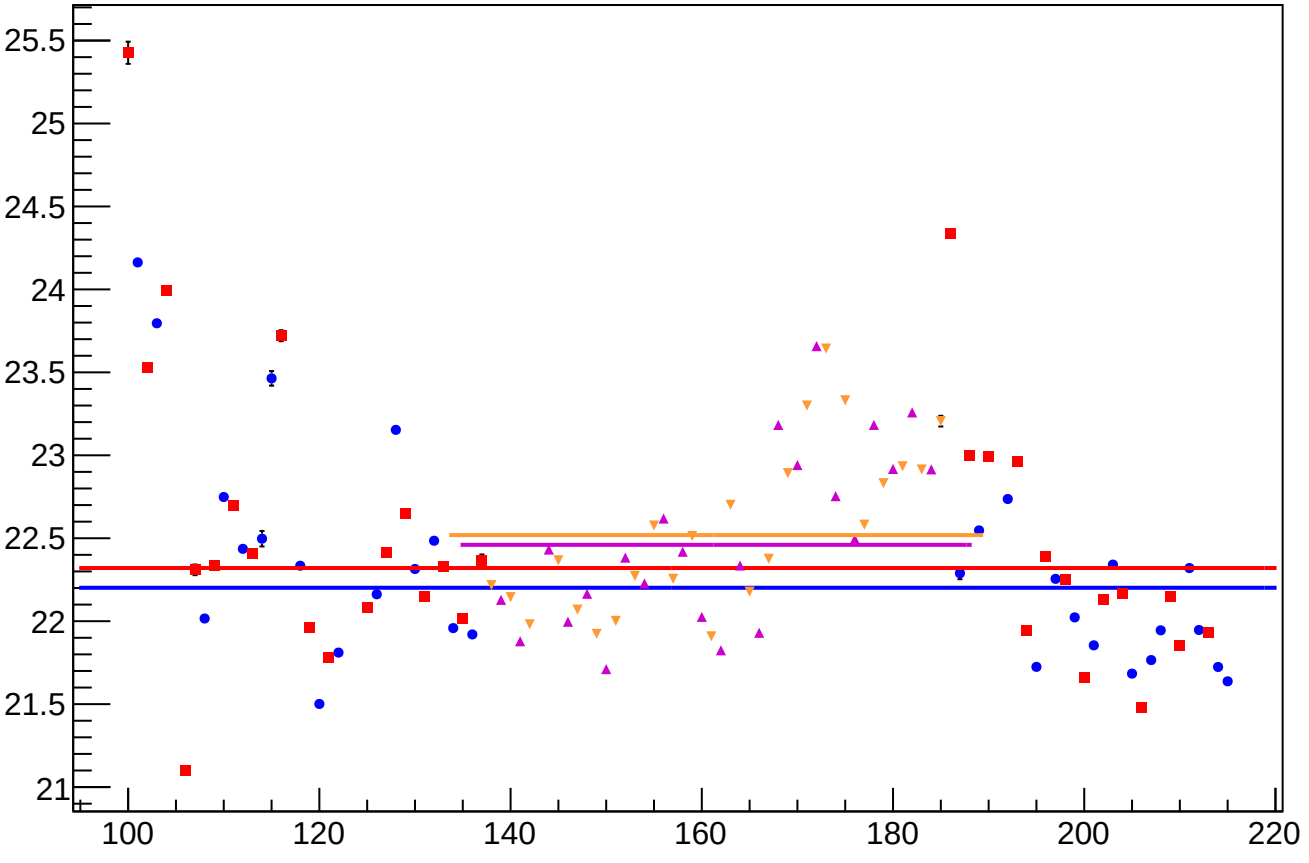
Right: 0.254+/-3.614 χ^2/NDF: 61.2/62

In: 0.186+/-3.640 χ^2/NDF:51.8/53

Out: 6.646+/-3.676 χ^2/NDF:63.7/55

All: 3.384+/-2.587 χ^2/NDF: 117.1/109

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.202+/-0.004 χ^2/NDF: 26050.2/30

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.321+/-0.004 χ^2/NDF: 32308.9/31

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

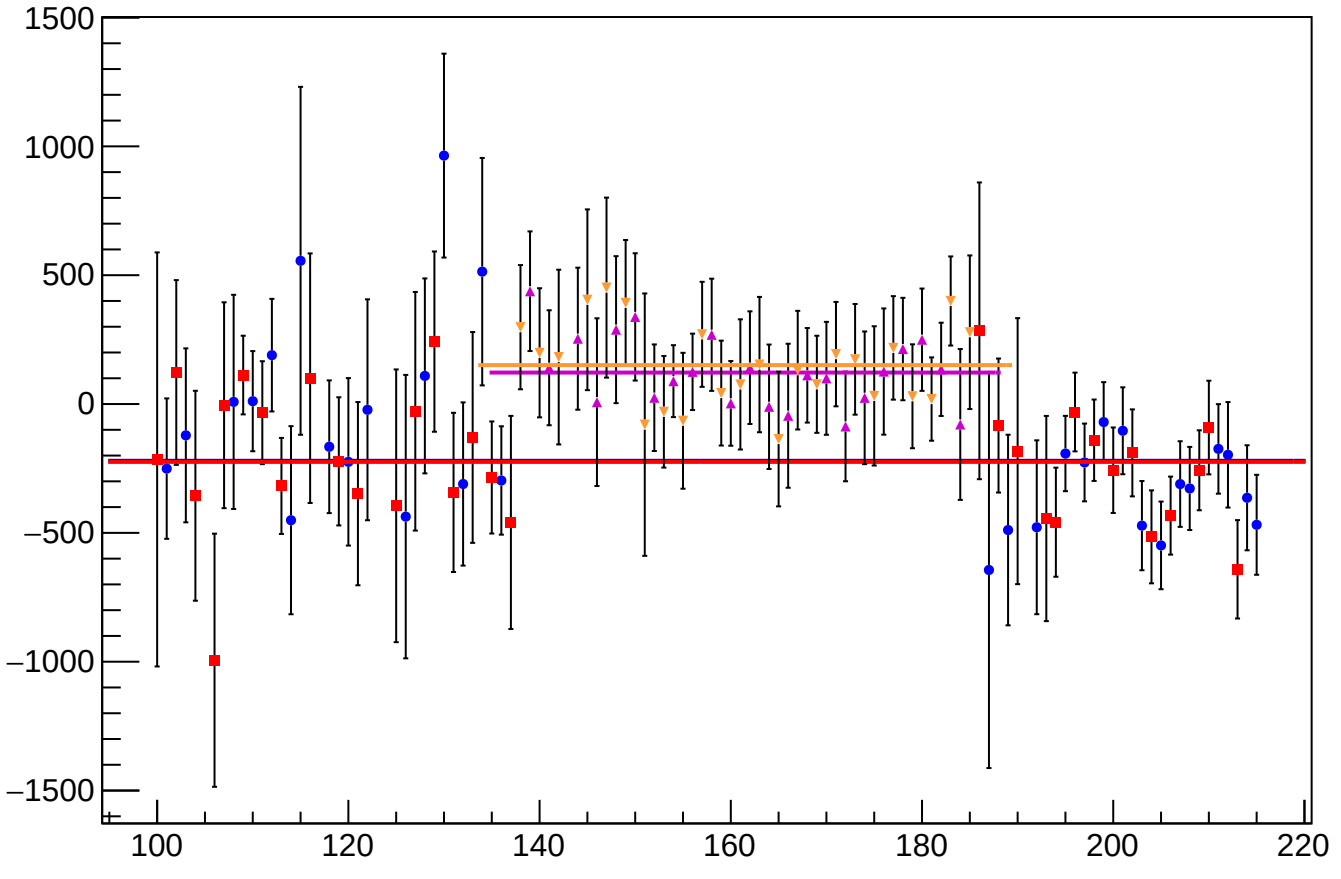
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.260+/-0.003 χ^2/NDF: 58901.1/62

In: 22.326+/-0.003 χ^2/NDF:47689.1/53

Out: 22.419+/-0.003 χ^2/NDF:49763.6/55

All: 22.372+/-0.002 χ^2/NDF: 98093.0/109



Right In: -220.358+/-40.650 χ^2/NDF: 31.8/30

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -224.532+/-41.207 χ^2/NDF: 27.5/31

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

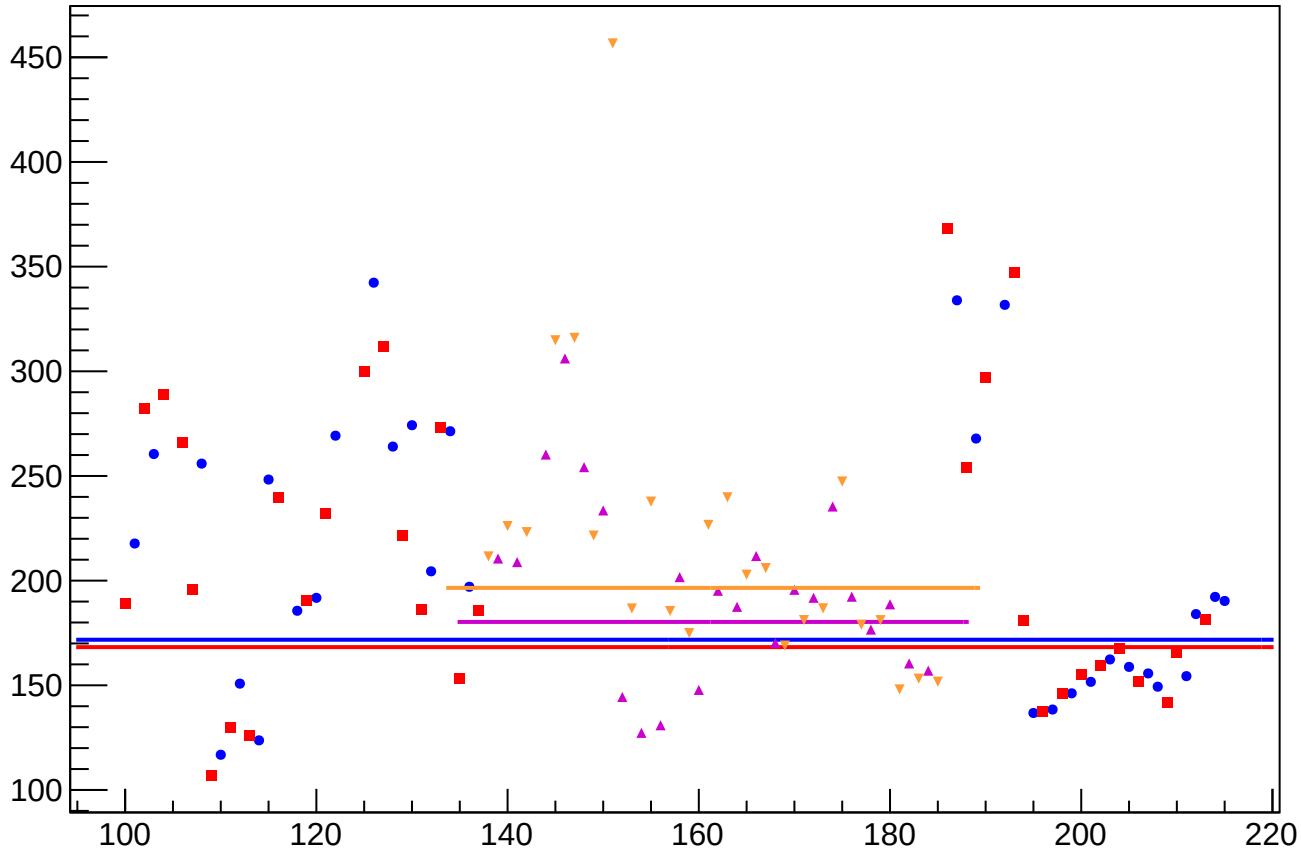
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -222.416+/-28.939 χ^2/NDF: 59.3/62

In: -62.653+/-29.860 χ^2/NDF:72.0/53

Out: -62.510+/-31.075 χ^2/NDF:73.3/55

All: -62.584+/-21.531 χ^2/NDF: 145.3/109



Right In: 171.767+/-0.029 χ^2/NDF: 2339826.8/30

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 168.237+/-0.029 χ^2/NDF: 2829614.2/31

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

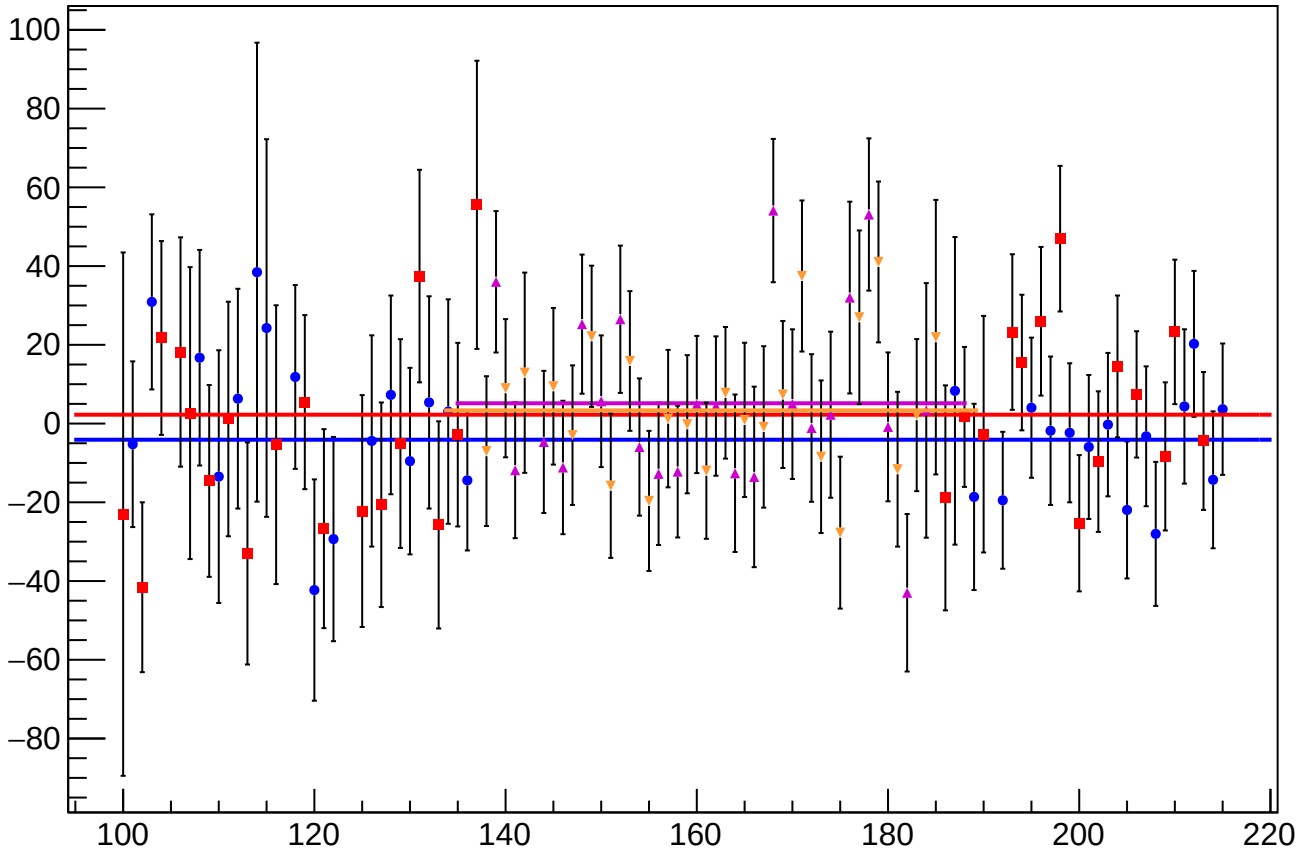
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 170.026+/-0.020 χ^2/NDF: 5176881.1/62

In: 175.684+/-0.021 χ^2/NDF:4004839.9/53

Out: 180.442+/-0.022 χ^2/NDF:4964276.6/55

All: 177.968+/-0.015 χ^2/NDF: 8993491.2/109



Right In: -4.103+/-3.878 χ^2/NDF: 15.0/30

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 2.252+/-3.968 χ^2/NDF: 30.2/31

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

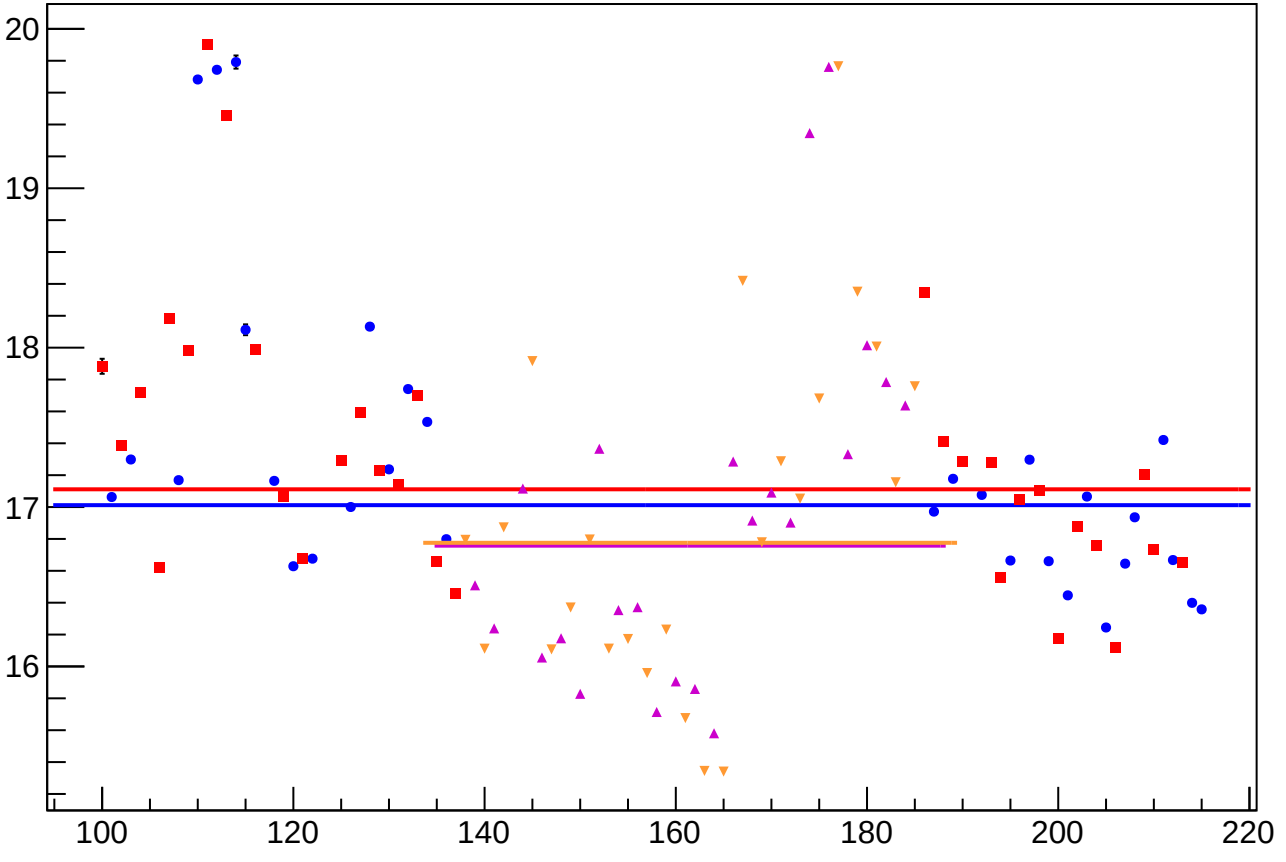
Right: -0.998+/-2.773 χ^2/NDF: 46.5/62

In: 0.469+/-2.758 χ^2/NDF:50.1/53

Out: 2.815+/-2.783 χ^2/NDF:47.9/55

All: 1.632+/-1.959 χ^2/NDF: 98.4/109

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.012+/-0.003 χ^2/NDF: 62308.4/30

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.111+/-0.003 χ^2/NDF: 66484.3/31

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

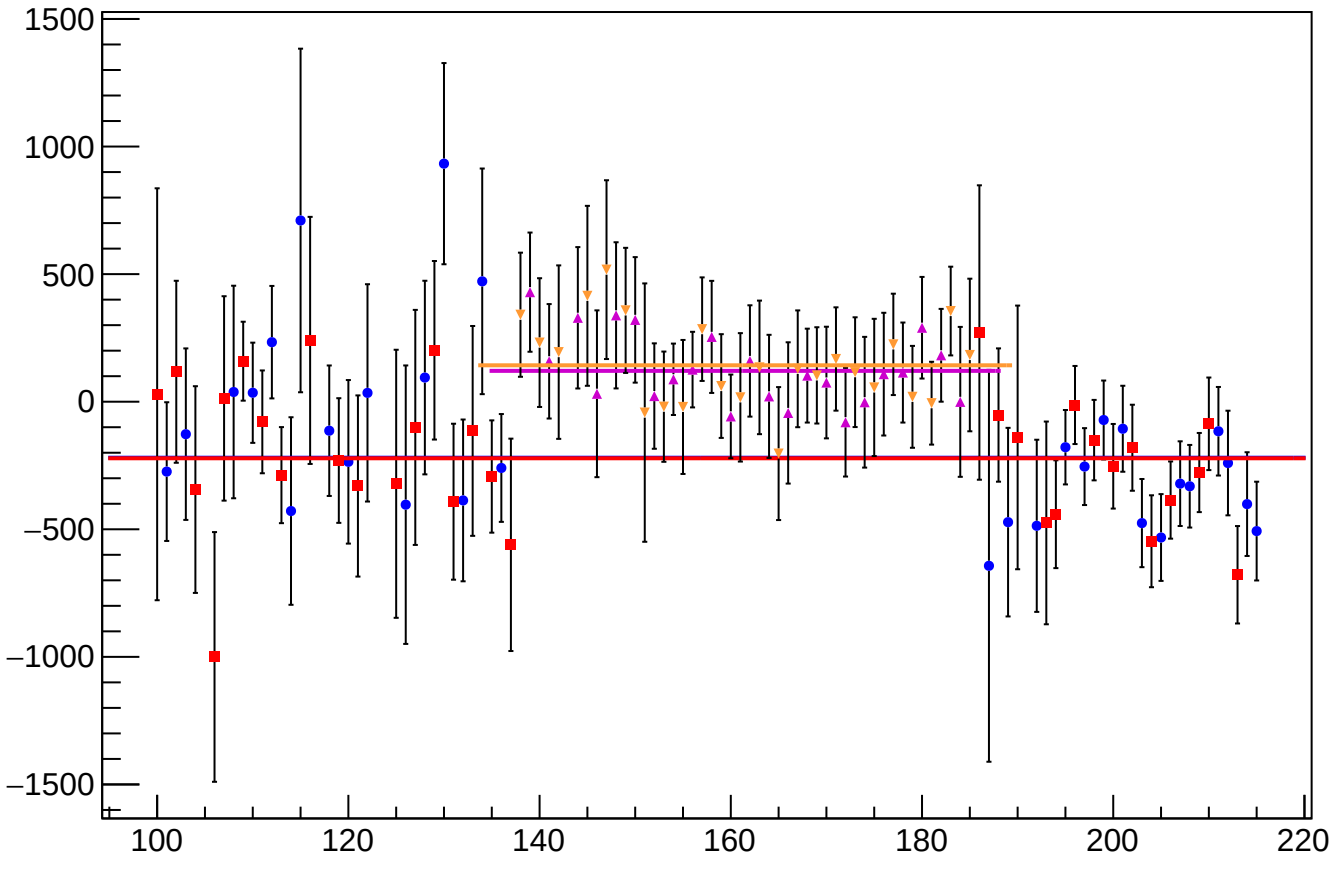
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.060+/-0.002 χ^2/NDF: 129435.4/62

In: 16.886+/-0.002 χ^2/NDF:189857.4/53

Out: 16.941+/-0.002 χ^2/NDF:209896.9/55

All: 16.913+/-0.001 χ^2/NDF: 400141.5/109



Right In: -219.503+/-40.643 χ^2/NDF: 34.0/30

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -221.715+/-41.253 χ^2/NDF: 30.0/31

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

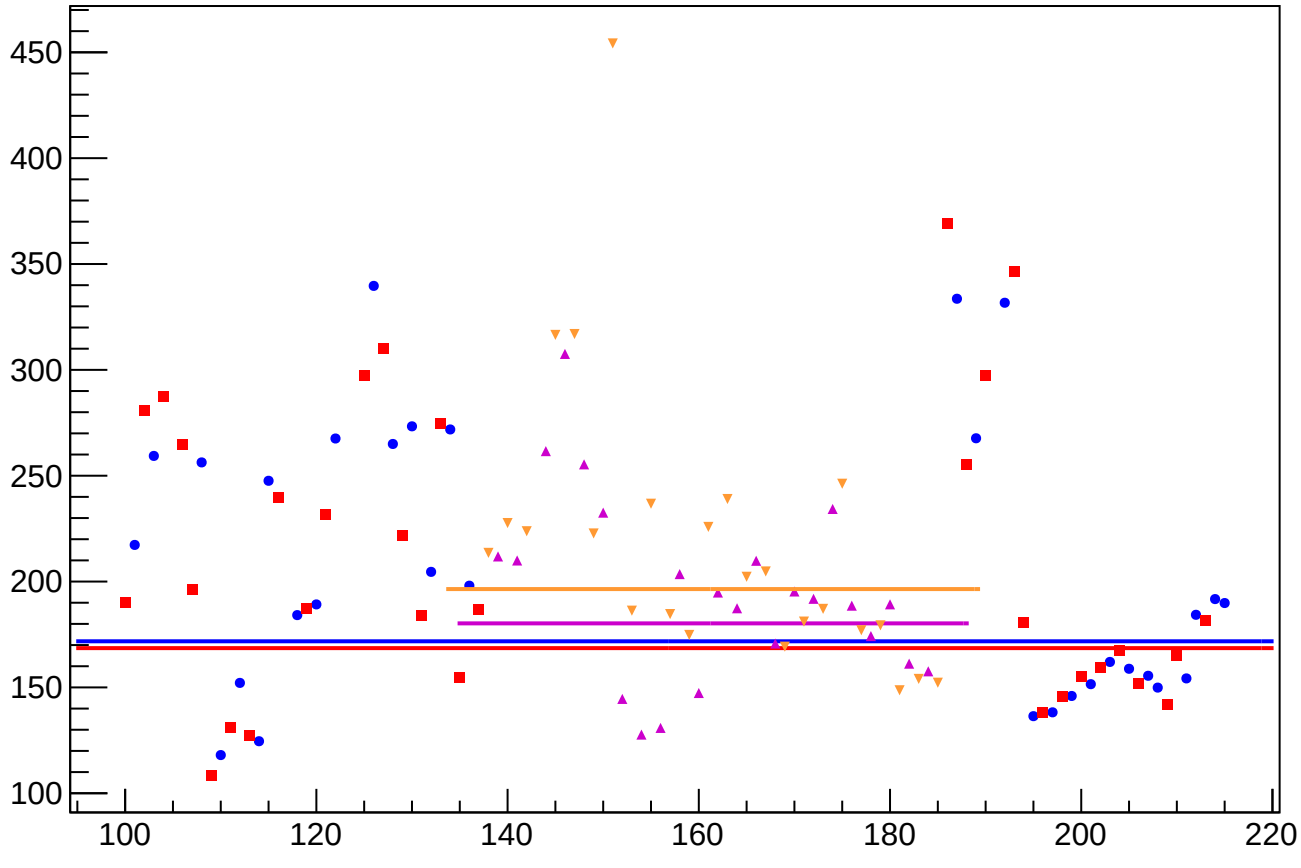
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -220.593+/-28.952 χ^2/NDF: 64.0/62

In: -62.765+/-29.853 χ^2/NDF:74.5/53

Out: -64.234+/-31.086 χ^2/NDF:73.9/55

All: -63.470+/-21.532 χ^2/NDF: 148.4/109



Right In: 171.787+/-0.029 χ^2/NDF: 2320464.3/30

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 168.555+/-0.029 χ^2/NDF: 2779353.8/31

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

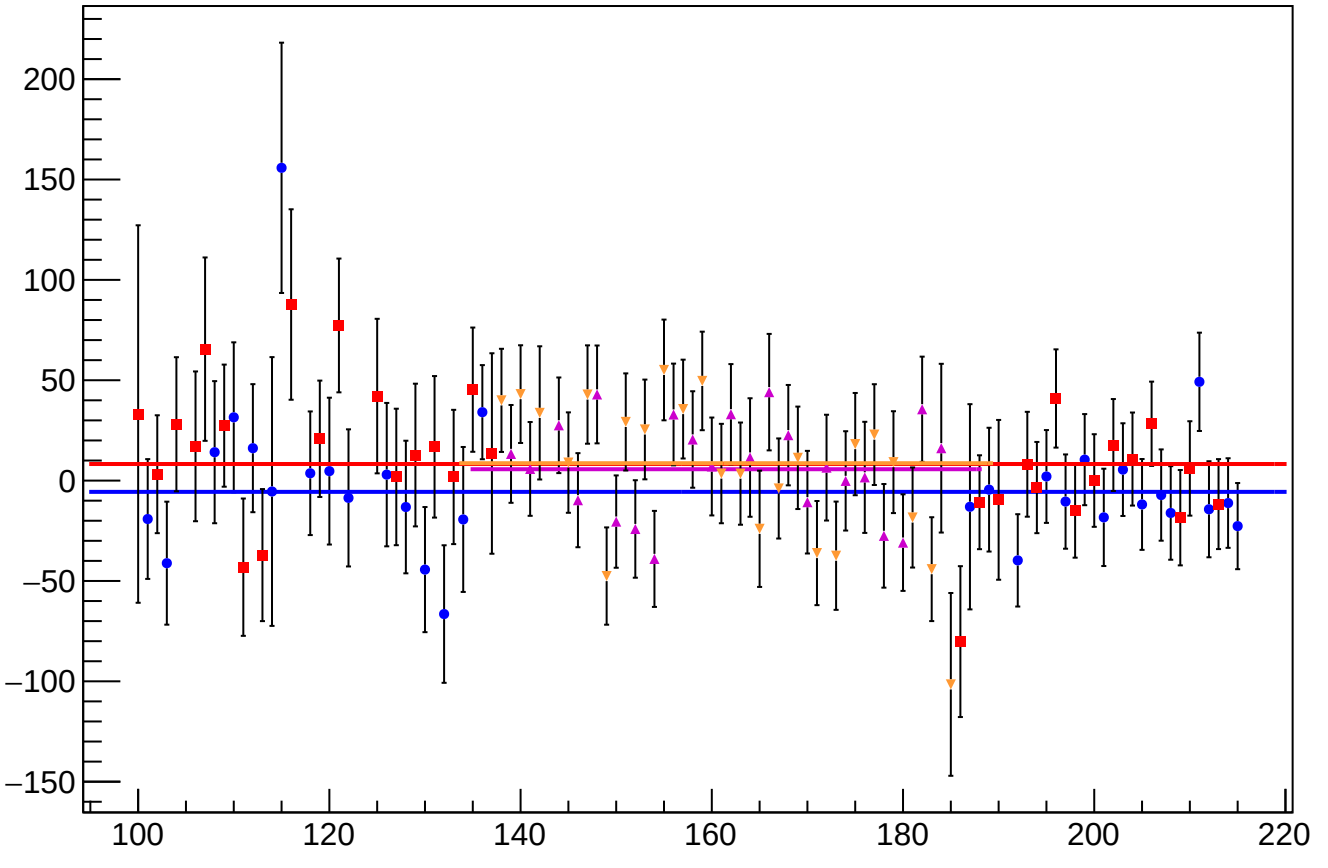
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 170.195+/-0.020 χ^2/NDF: 5106051.0/62

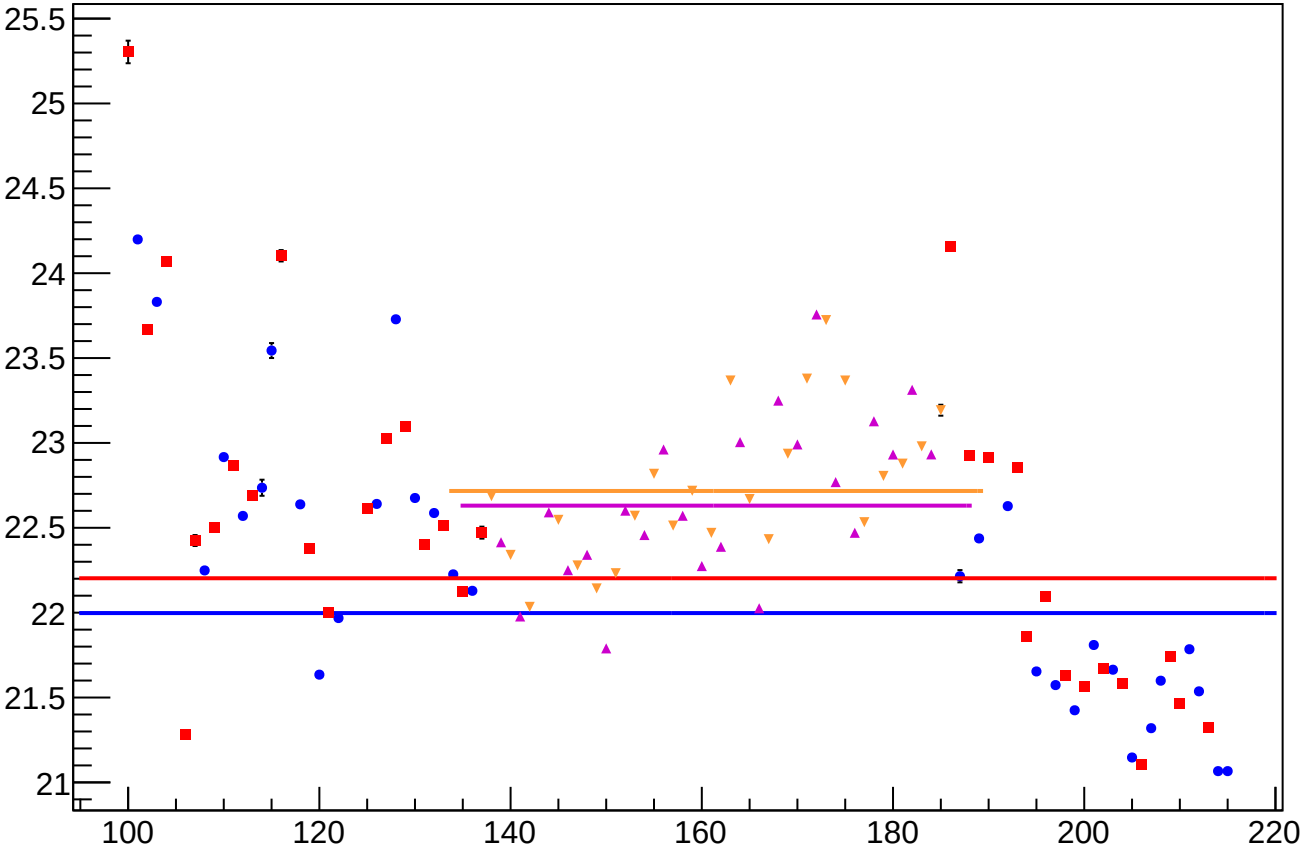
In: 175.683+/-0.021 χ^2/NDF:3988147.5/53

Out: 180.611+/-0.022 χ^2/NDF:4898150.0/55

All: 178.047+/-0.015 χ^2/NDF: 8912437.6/109


asym_bcm_dg_us_an_ds_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: -5.609+/-5.010 χ²/NDF: 27.5/30
Left Out: 8.664+/-5.275 χ²/NDF:39.2/23
Right Out: 8.266+/-5.144 χ²/NDF: 29.0/31
Left In: 5.668+/-5.286 χ²/NDF:20.8/22
Left: 7.169+/-3.734 χ²/NDF: 60.1/46
Right: 1.146+/-3.589 χ²/NDF: 60.3/62
In: -0.273+/-3.636 χ²/NDF:50.7/53
Out: 8.460+/-3.683 χ²/NDF:68.2/55
All: 4.038+/-2.588 χ²/NDF: 121.8/109

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 21.998+/-0.004 χ^2/NDF: 48542.1/30

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.203+/-0.004 χ^2/NDF: 48636.0/31

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

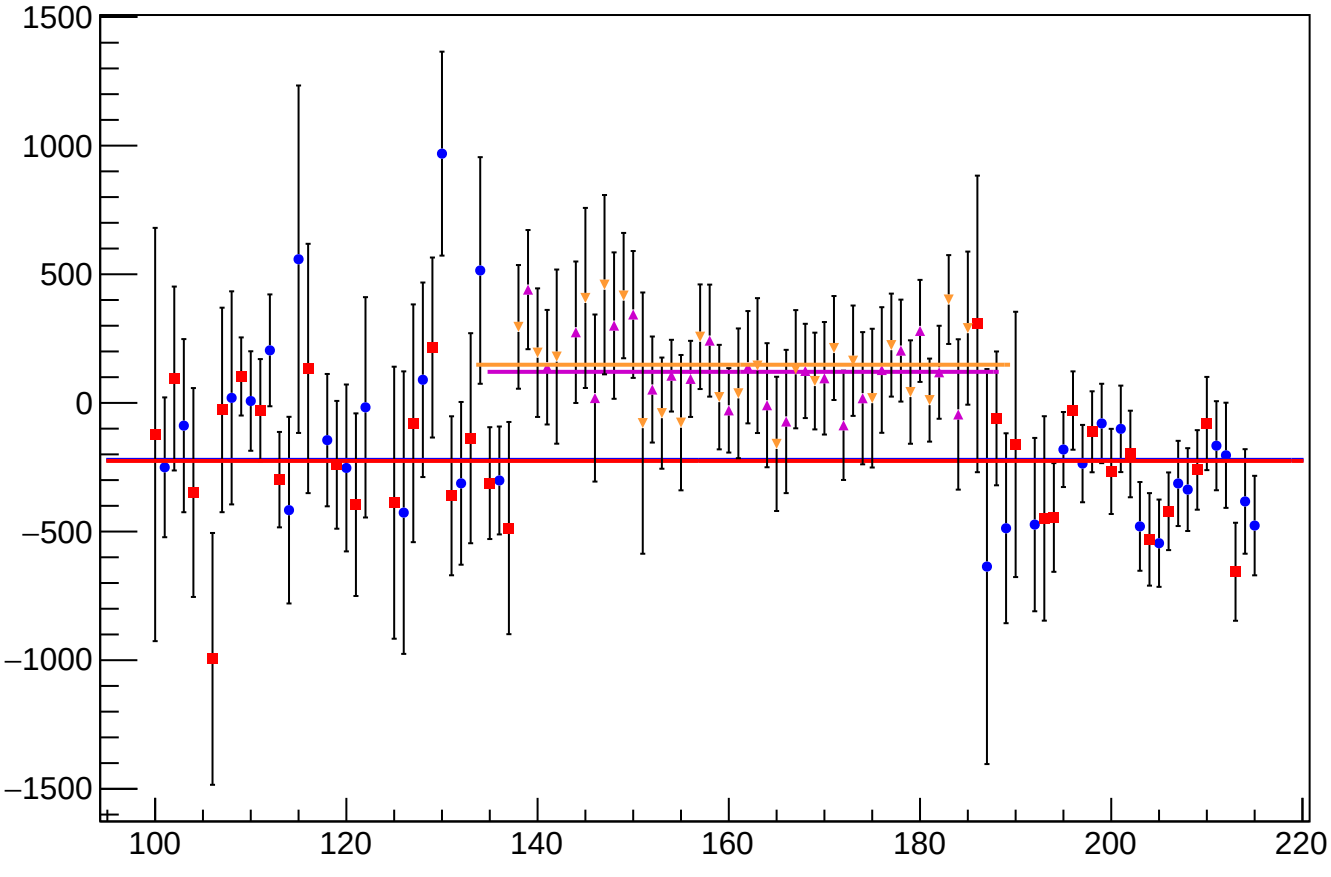
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.097+/-0.003 χ^2/NDF: 98810.7/62

In: 22.297+/-0.003 χ^2/NDF:79038.1/53

Out: 22.453+/-0.003 χ^2/NDF:70556.7/55

All: 22.374+/-0.002 χ^2/NDF: 151418.5/109



Right In: -221.343+/-40.527 χ^2/NDF: 32.6/30

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -225.512+/-41.083 χ^2/NDF: 28.1/31

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

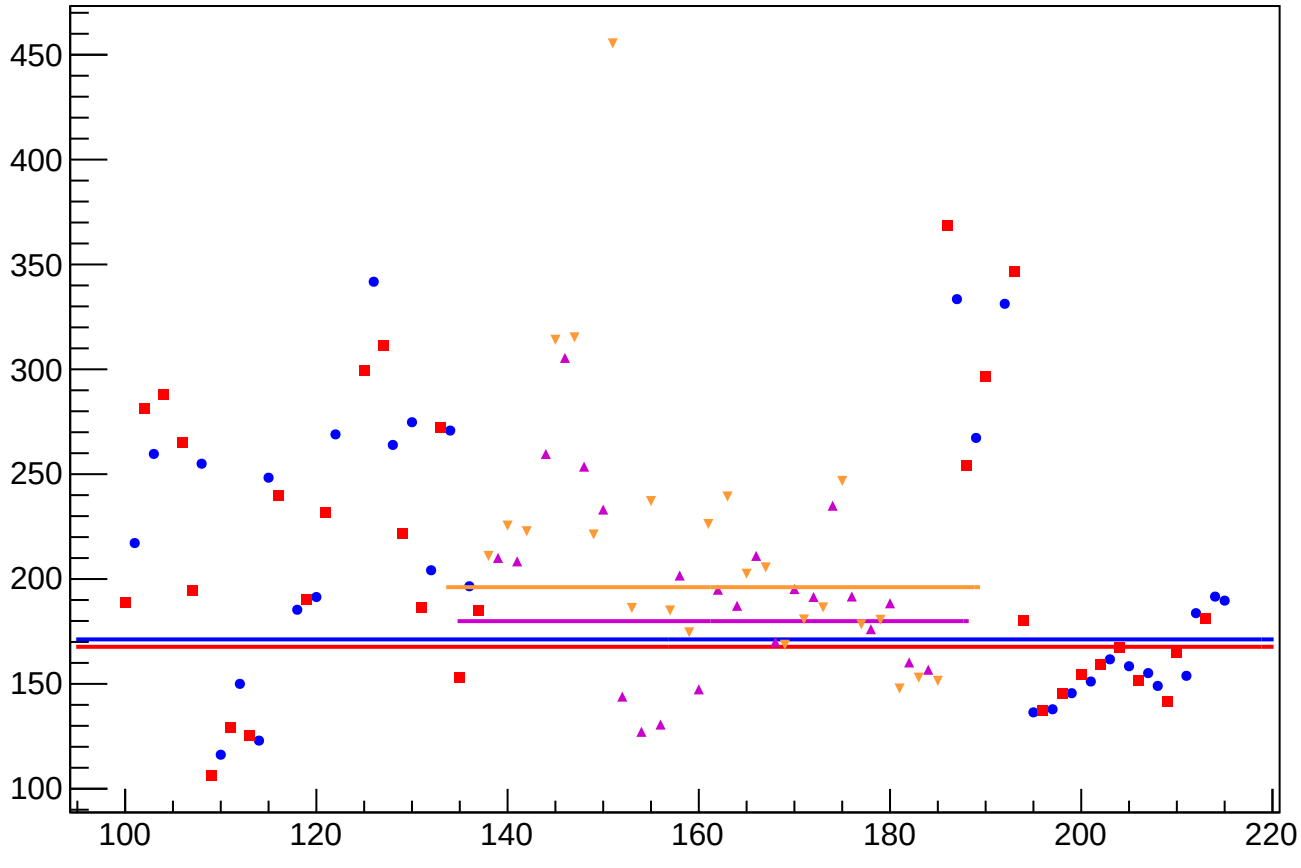
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -223.399+/-28.851 χ^2/NDF: 60.7/62

In: -64.015+/-29.784 χ^2/NDF:73.2/53

Out: -64.382+/-30.992 χ^2/NDF:74.7/55

All: -64.191+/-21.475 χ^2/NDF: 147.9/109



Right In: 171.215+/-0.029 χ^2/NDF: 2353108.2/30

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 167.684+/-0.029 χ^2/NDF: 2847820.6/31

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

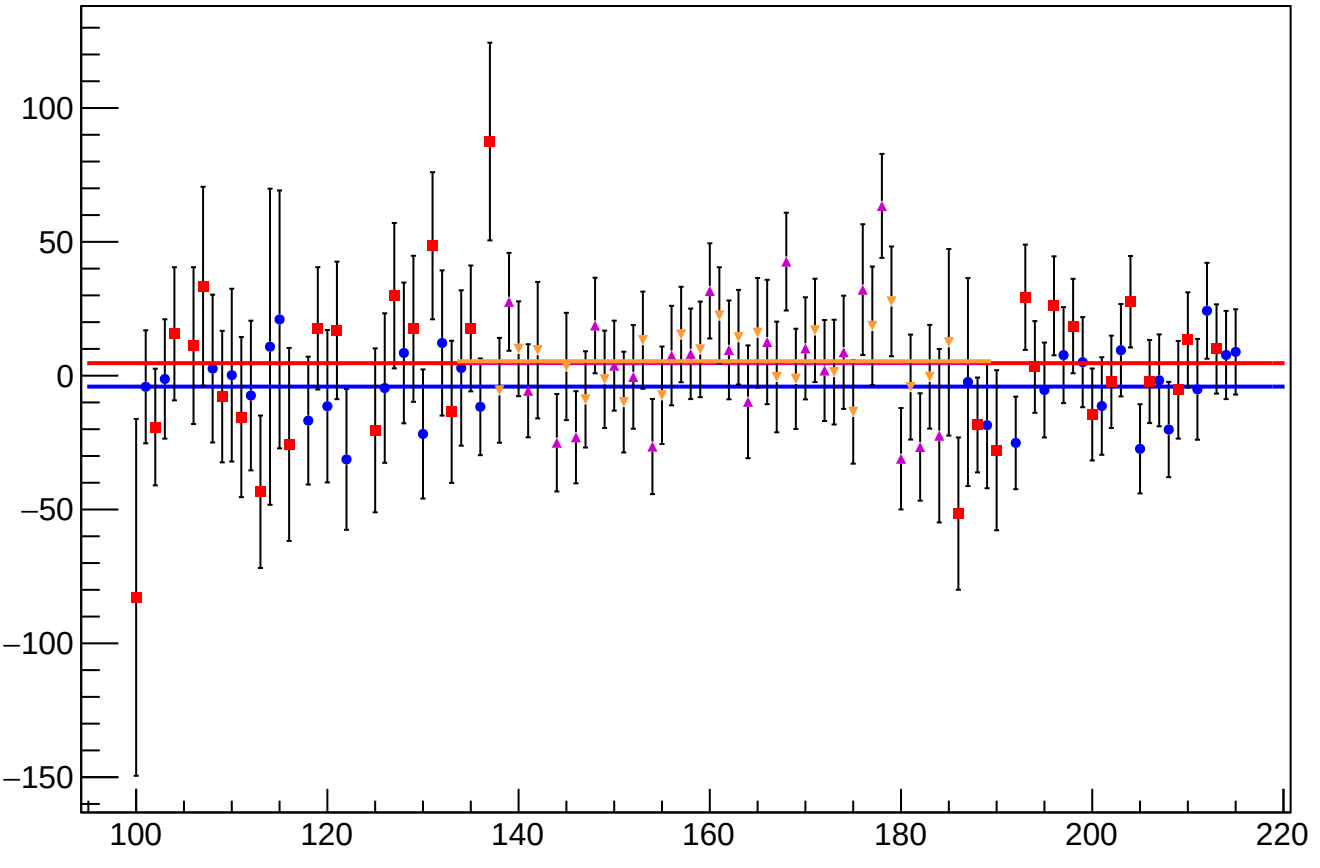
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 169.474+/-0.020 χ^2/NDF: 5208416.5/62

In: 175.220+/-0.021 χ^2/NDF:4019721.0/53

Out: 179.934+/-0.022 χ^2/NDF:4986761.7/55

All: 177.483+/-0.015 χ^2/NDF: 9030536.6/109



Right In: -4.081+/-3.815 χ^2/NDF: 13.0/30

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 4.678+/-3.927 χ^2/NDF: 33.1/31

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

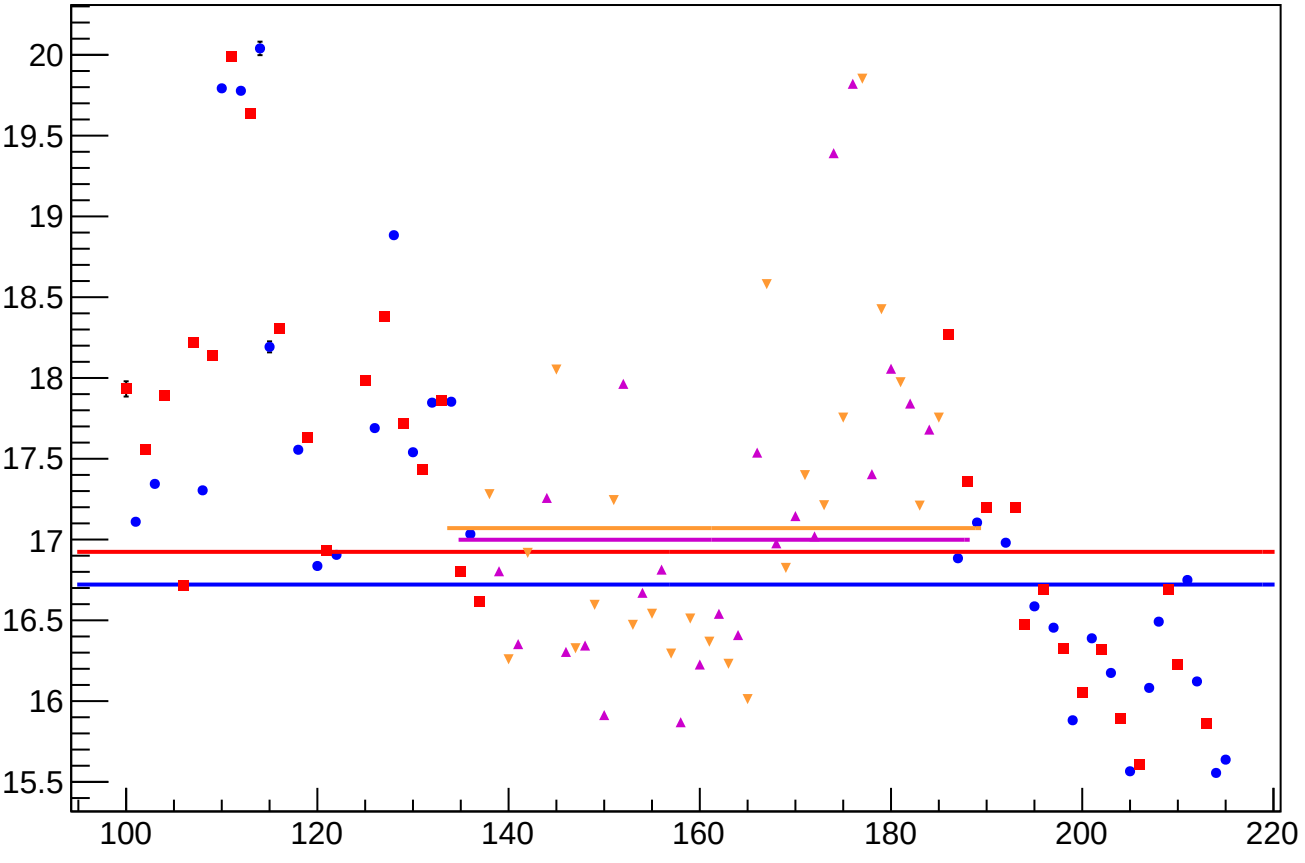
Right: 0.172+/-2.736 χ^2/NDF: 48.7/62

In: 0.199+/-2.754 χ^2/NDF:51.2/53

Out: 5.038+/-2.793 χ^2/NDF:40.8/55

All: 2.585+/-1.961 χ^2/NDF: 93.6/109

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 16.721+/-0.003 χ^2/NDF: 124673.9/30

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.924+/-0.003 χ^2/NDF: 120908.7/31

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

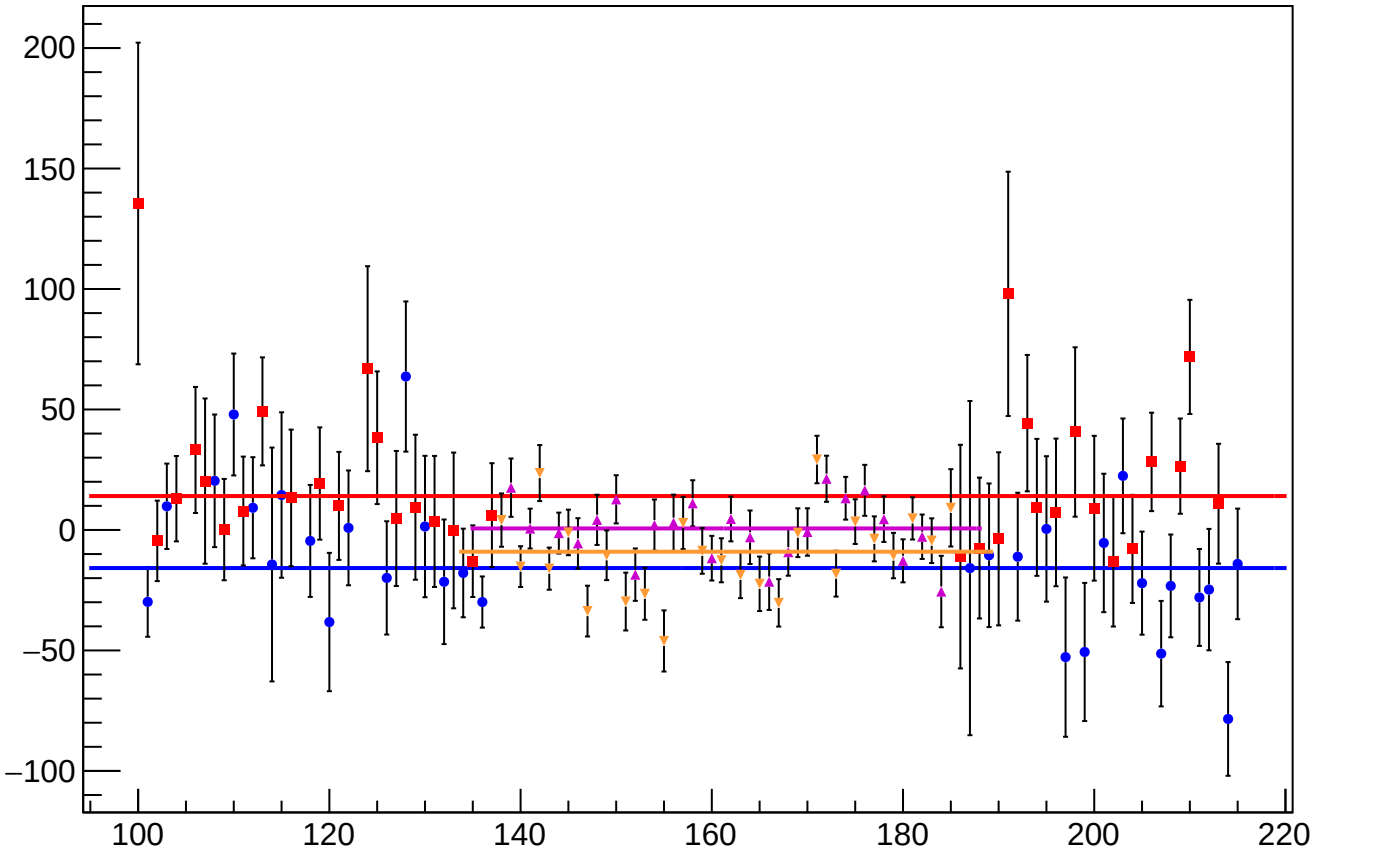
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 16.820+/-0.002 χ^2/NDF: 248316.2/62

In: 16.854+/-0.002 χ^2/NDF:233755.6/53

Out: 16.996+/-0.002 χ^2/NDF:218604.6/55

All: 16.924+/-0.001 χ^2/NDF: 454991.0/109



Right In: -15.809+/-4.092 χ^2/NDF: 39.5/30

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: 14.069+/-4.311 χ^2/NDF: 28.8/33

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

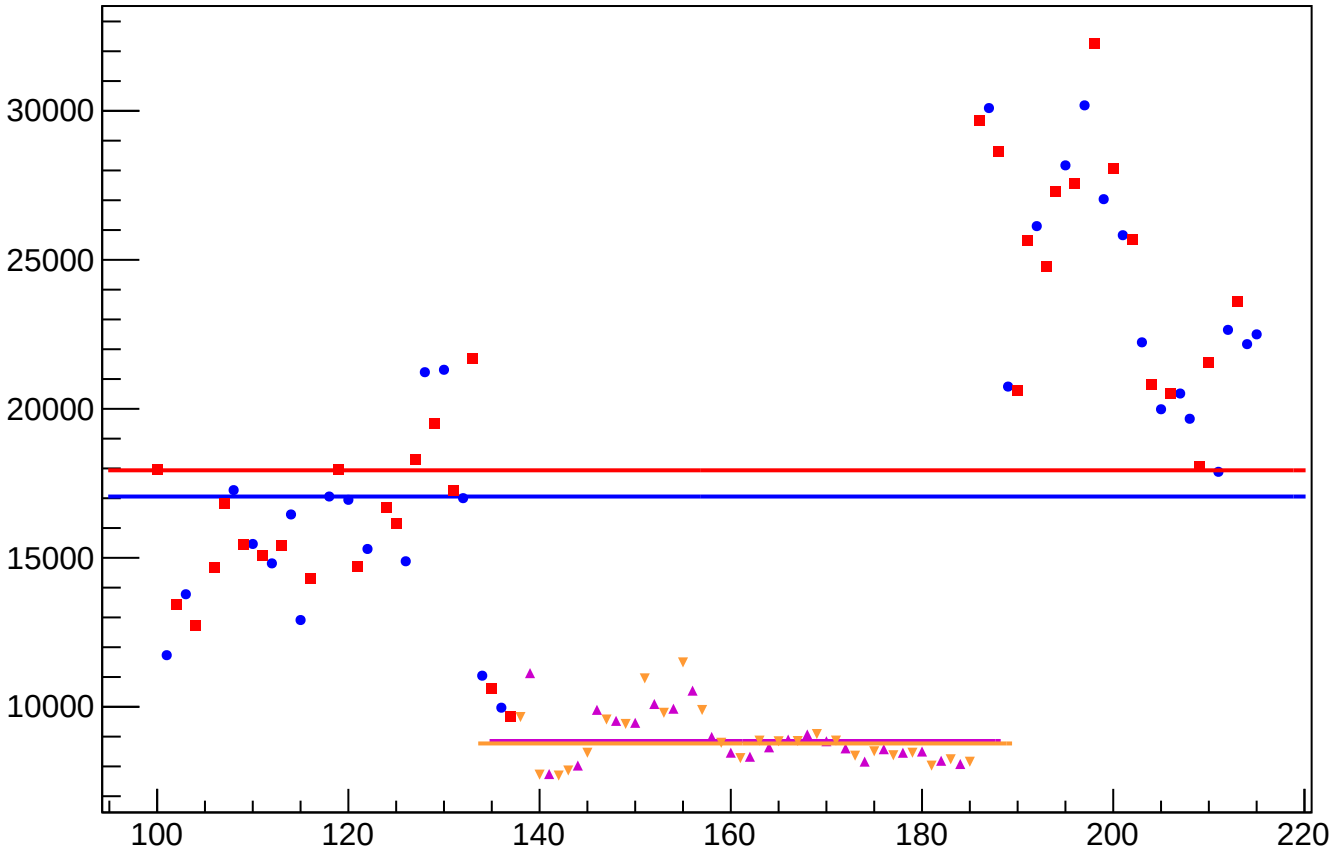
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: -1.646+/-2.968 χ^2/NDF: 93.6/64

In: -2.745+/-1.854 χ^2/NDF:81.9/53

Out: -4.915+/-1.819 χ^2/NDF:114.4/58

All: -3.850+/-1.298 χ^2/NDF: 197.0/112



Right In: 17057.225+/-2.894 χ^2/NDF: 3481274.5/30

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17936.973+/-3.048 χ^2/NDF: 3254526.3/33

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

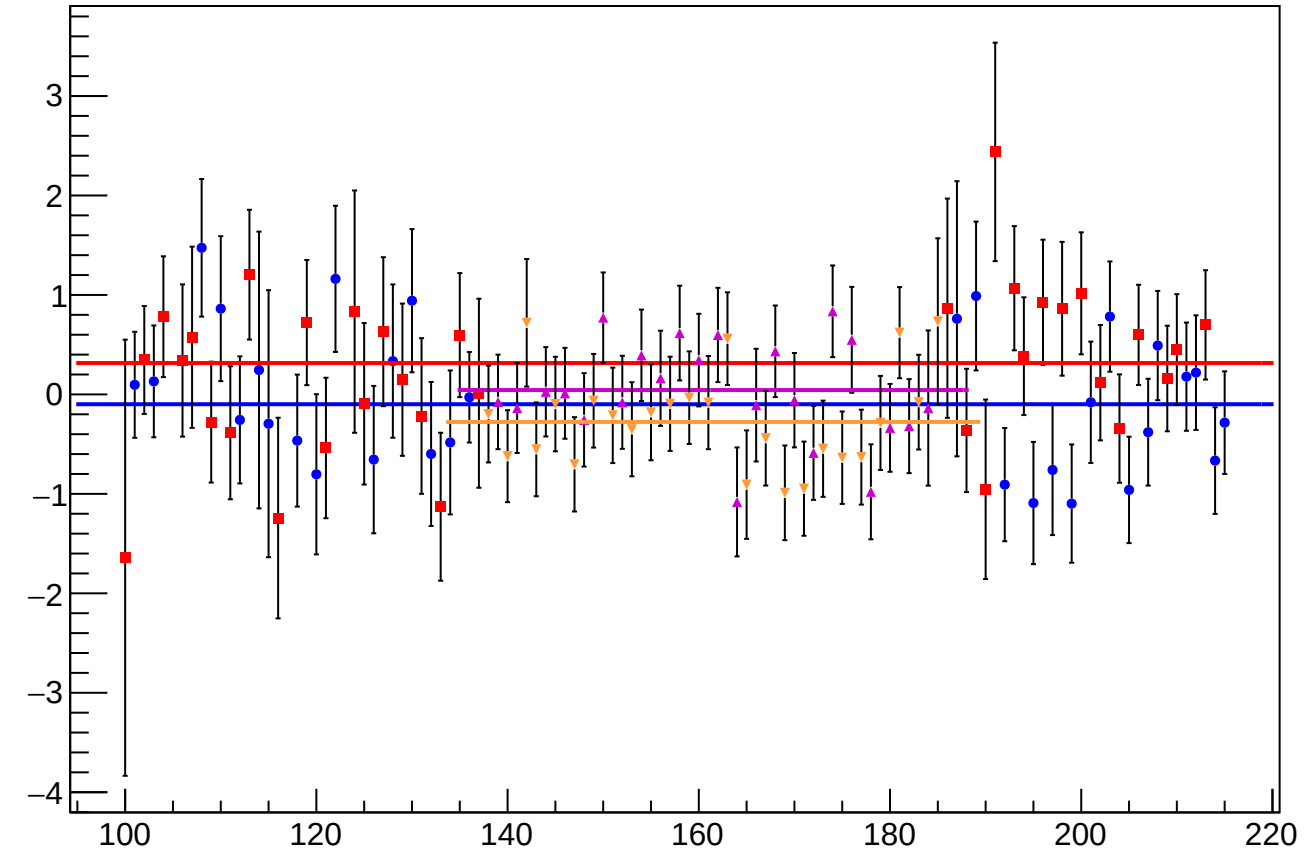
Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

Right: 17474.225+/-2.099 χ^2/NDF: 6779611.9/64

In: 10536.247+/-1.311 χ^2/NDF:10170386.5/53

Out: 10402.472+/-1.286 χ^2/NDF:11032410.8/58

All: 10468.097+/-0.918 χ^2/NDF: 21208103.5



Right In: -0.099+/-0.114 χ^2/NDF: 34.4/30

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.316+/-0.117 χ^2/NDF: 28.9/33

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

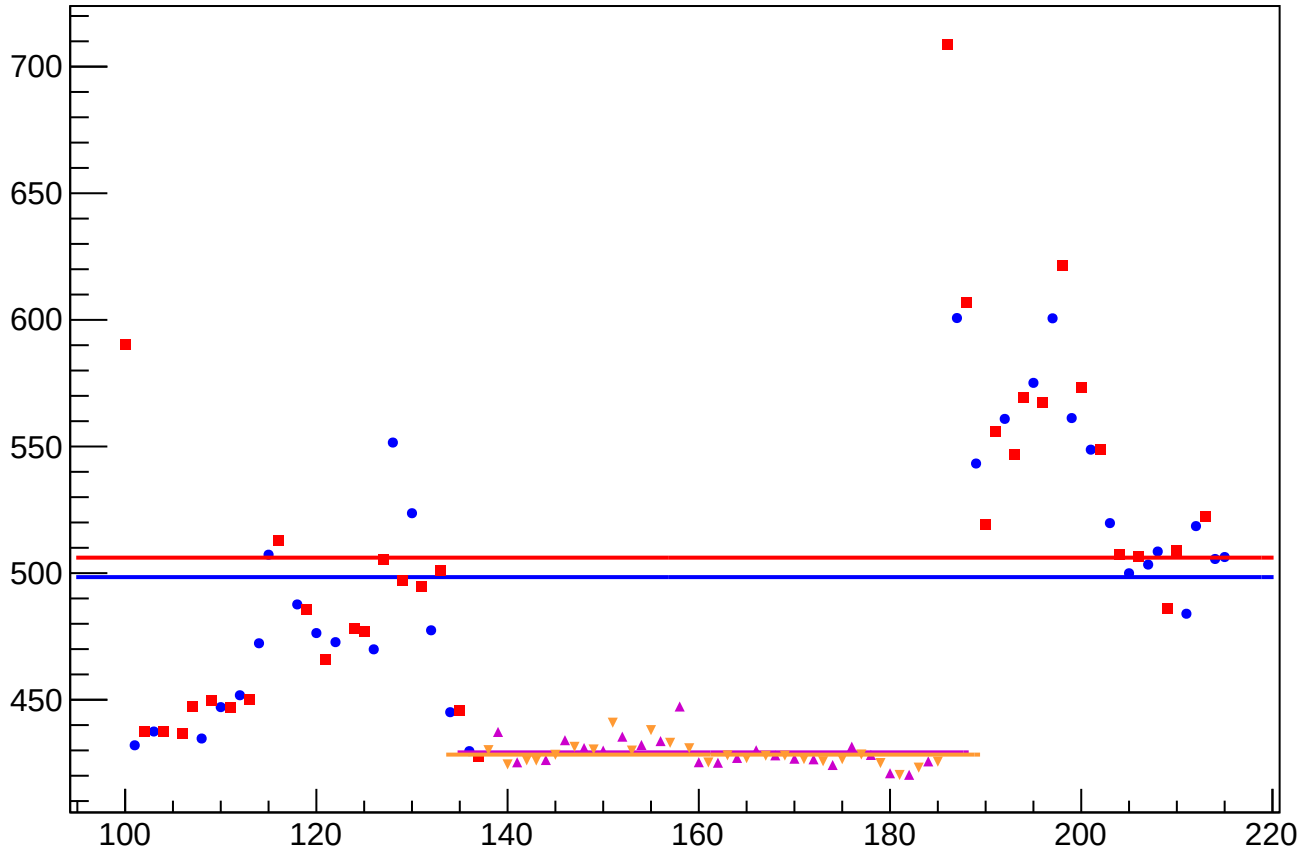
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.104+/-0.082 χ^2/NDF: 69.8/64

In: -0.018+/-0.075 χ^2/NDF:59.1/53

Out: -0.034+/-0.075 χ^2/NDF:65.1/58

All: -0.026+/-0.053 χ^2/NDF: 124.3/112



Right In: 498.428+/-0.081 χ^2/NDF: 336956.2/30

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.115+/-0.082 χ^2/NDF: 451720.4/33

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

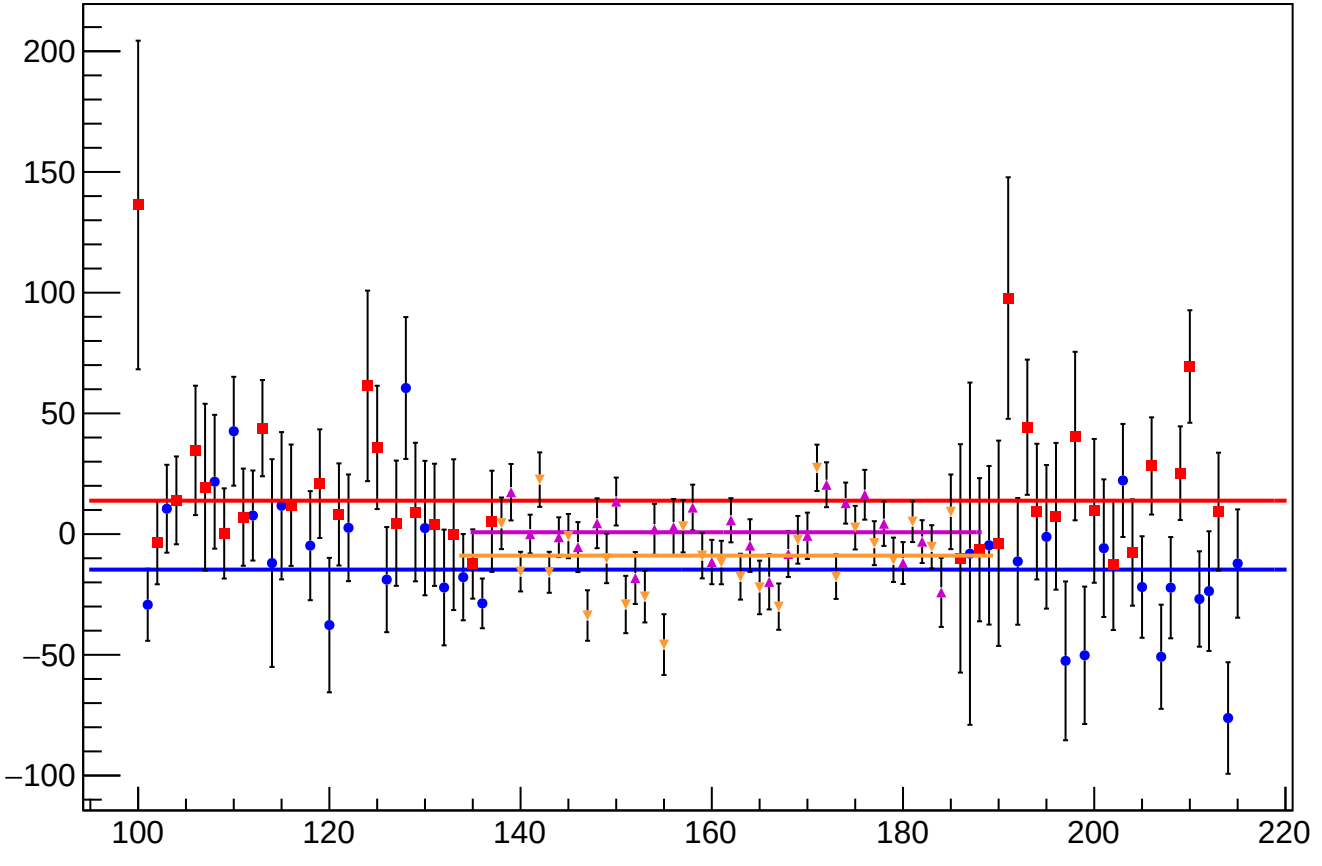
Right: 502.183+/-0.058 χ^2/NDF: 793120.5/64

In: 459.404+/-0.053 χ^2/NDF:759411.9/53

Out: 460.255+/-0.053 χ^2/NDF:979984.4/58

All: 459.833+/-0.037 χ^2/NDF: 1739524.8/112

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -14.701+/-3.981 χ^2/NDF: 40.1/30

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 13.846+/-4.178 χ^2/NDF: 28.3/33

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

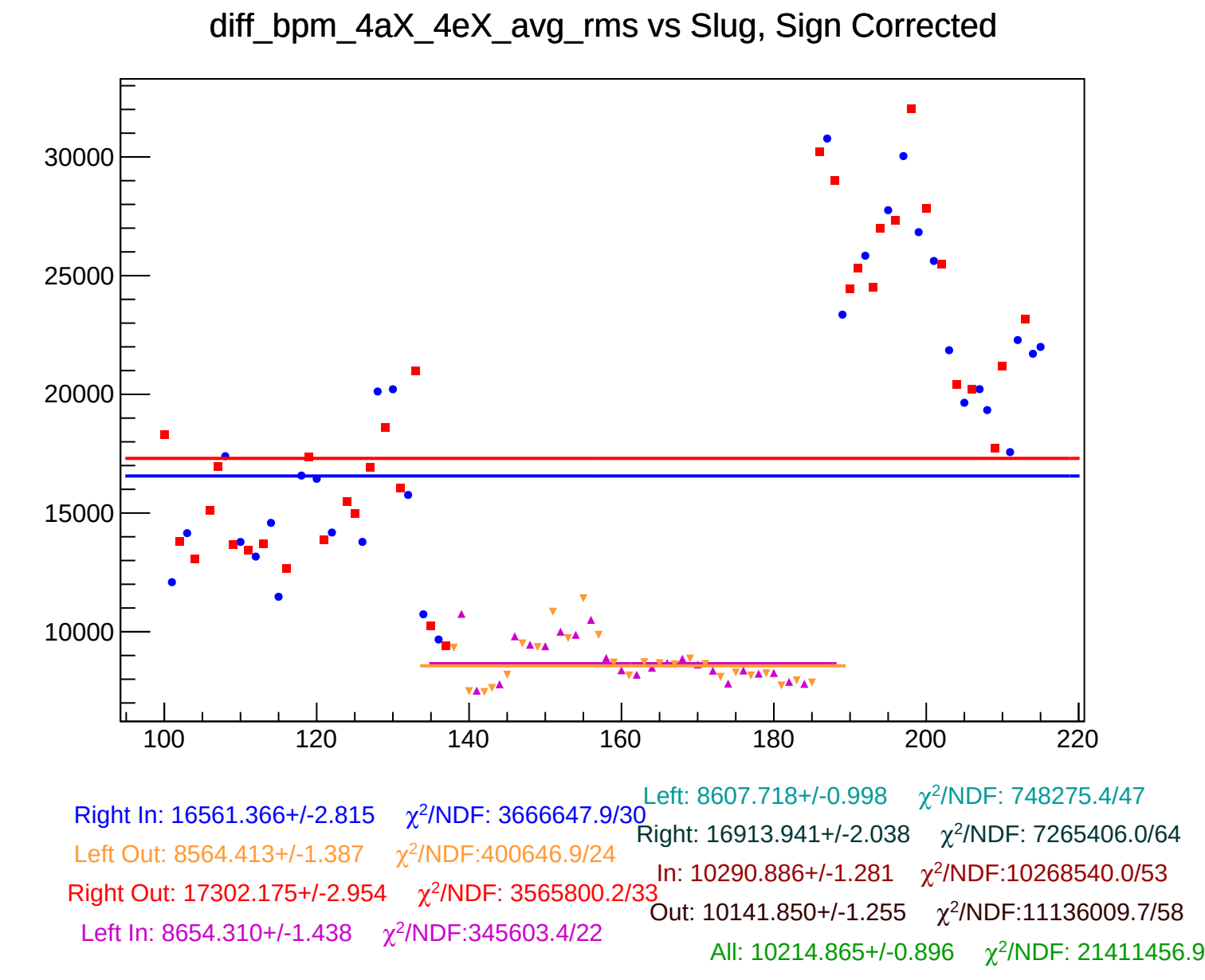
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

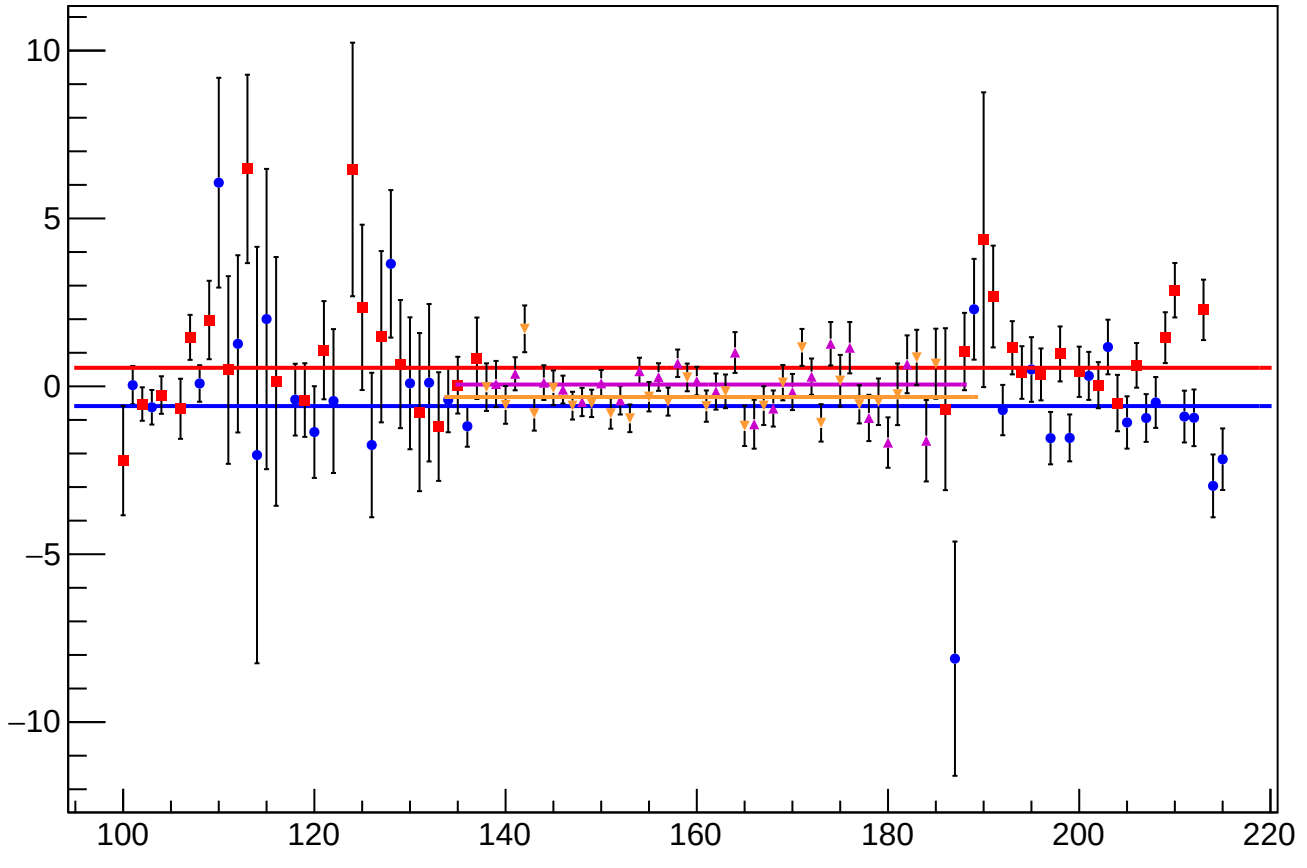
Right: -1.115+/-2.882 χ^2/NDF: 92.9/64

In: -2.430+/-1.811 χ^2/NDF:81.4/53

Out: -4.797+/-1.775 χ^2/NDF:114.1/58

All: -3.637+/-1.268 χ^2/NDF: 196.4/112


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16561.366+/-2.815 χ²/NDF: 3666647.9/30
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 17302.175+/-2.954 χ²/NDF: 3565800.2/33
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 16913.941+/-2.038 χ²/NDF: 7265406.0/64
In: 10290.886+/-1.281 χ²/NDF:10268540.0/53
Out: 10141.850+/-1.255 χ²/NDF:11136009.7/58
All: 10214.865+/-0.896 χ²/NDF: 21411456.9



Right In: -0.588+/-0.162 χ^2/NDF: 43.4/30

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.553+/-0.165 χ^2/NDF: 44.7/33

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

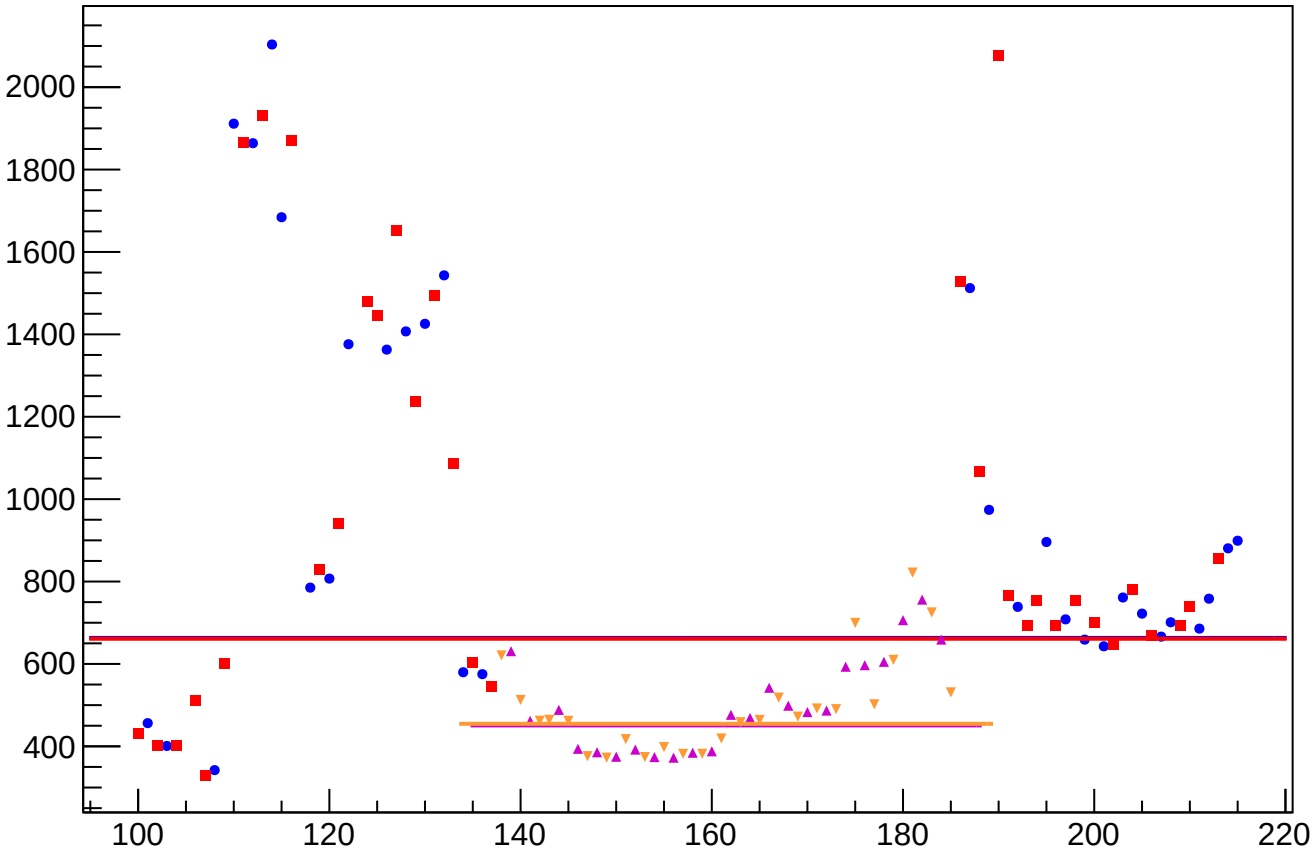
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.029+/-0.116 χ^2/NDF: 112.4/64

In: -0.144+/-0.090 χ^2/NDF:84.1/53

Out: -0.064+/-0.089 χ^2/NDF:96.6/58

All: -0.104+/-0.063 χ^2/NDF: 181.1/112



Right In: 663.148+/-0.115 χ^2/NDF: 4433664.7/30

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 661.175+/-0.117 χ^2/NDF: 4825810.9/33

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

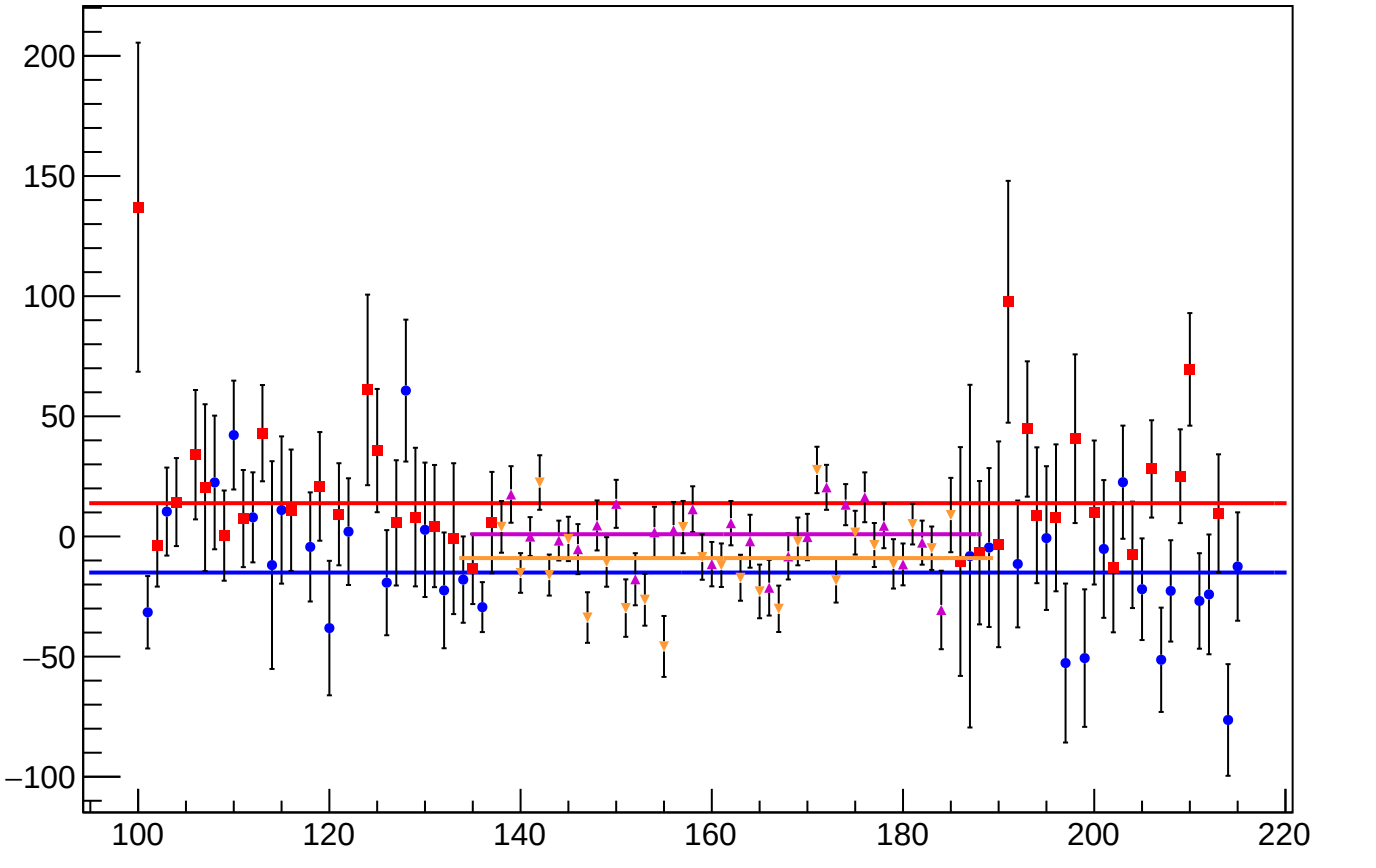
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 662.181+/-0.082 χ^2/NDF: 9259621.1/64

In: 516.242+/-0.064 χ^2/NDF:8283496.3/53

Out: 514.878+/-0.063 χ^2/NDF:8490007.0/58

All: 515.555+/-0.045 χ^2/NDF: 16773735.1/11



Right In: -15.020+/-4.006 χ^2/NDF: 40.5/30

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 13.849+/-4.205 χ^2/NDF: 28.0/33

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

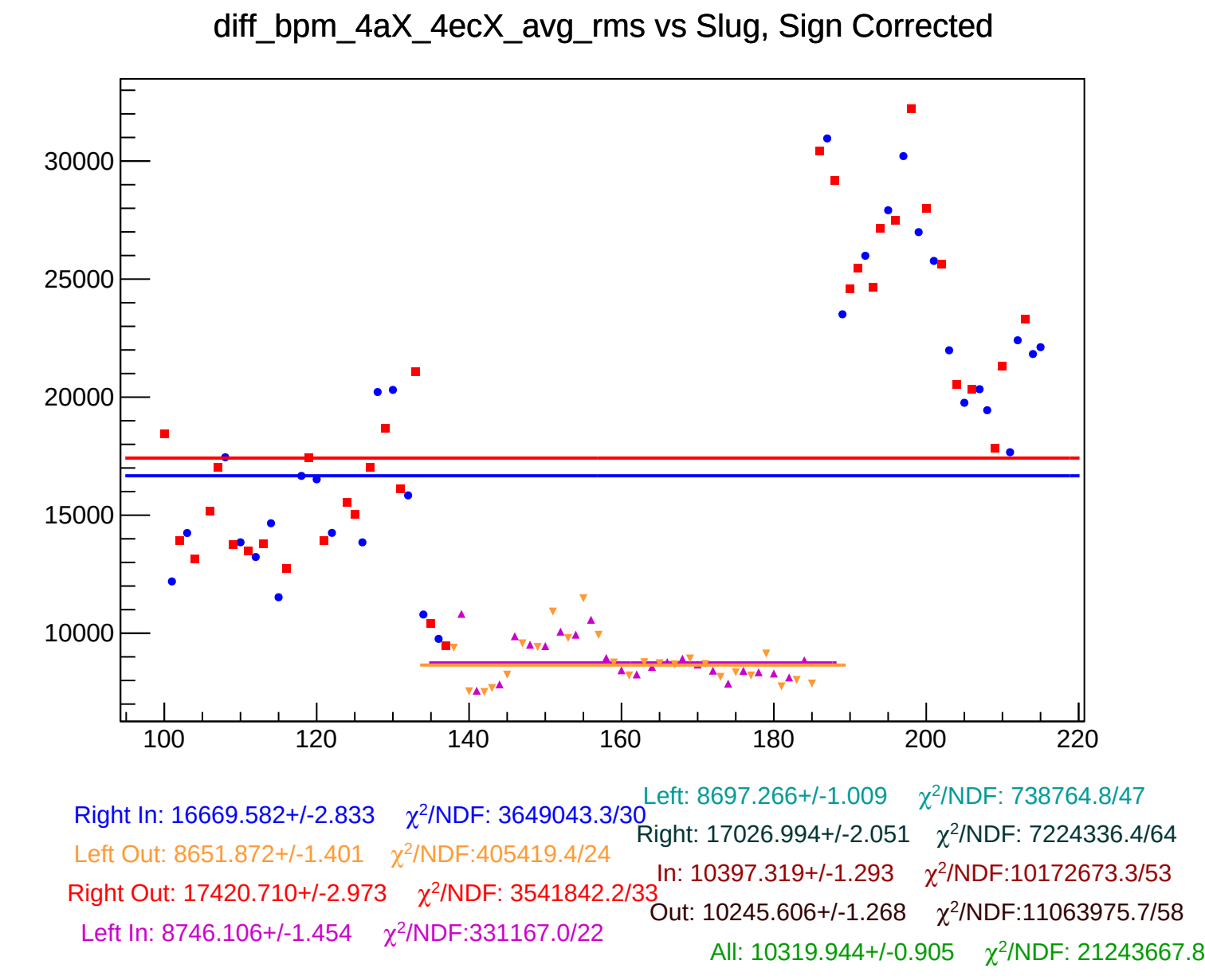
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

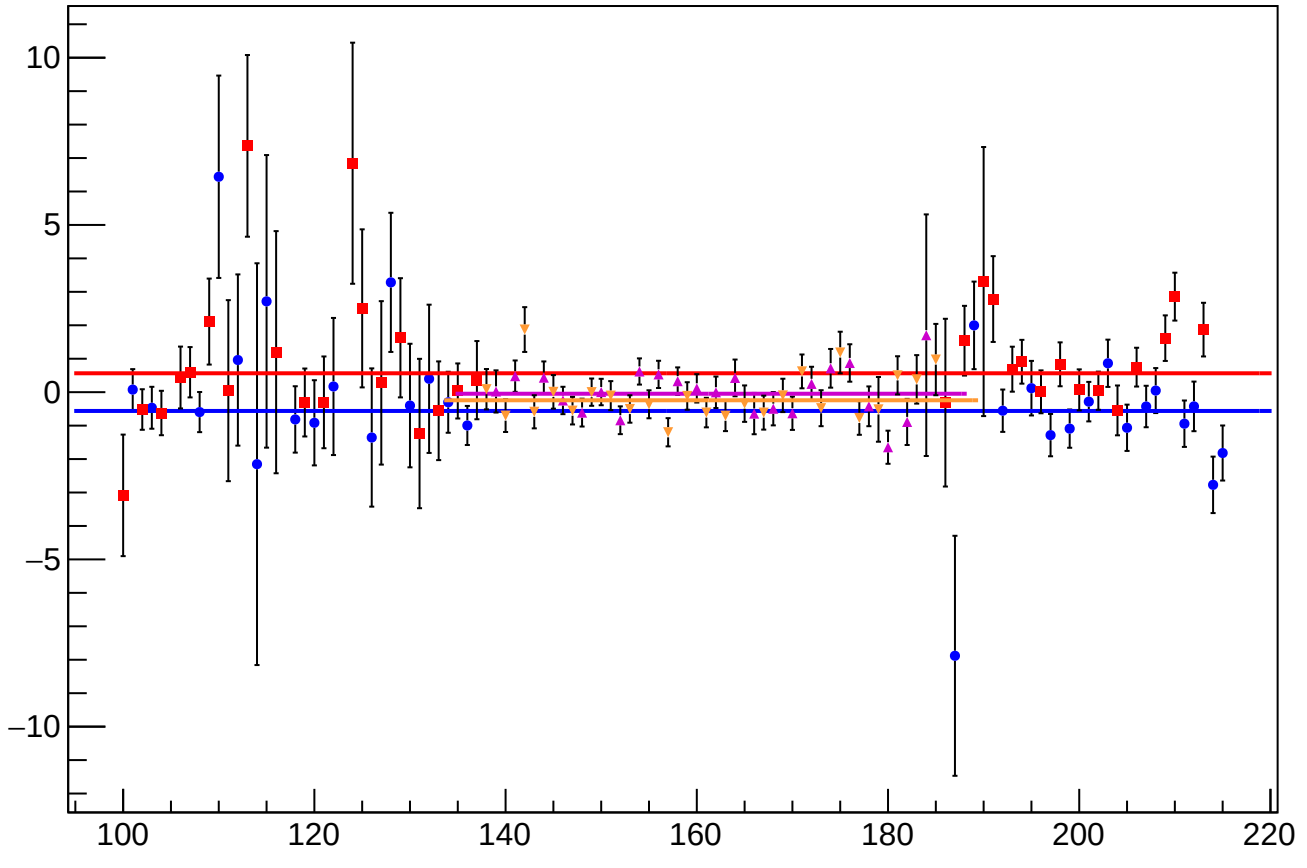
Right: -1.283+/-2.901 χ^2/NDF: 93.2/64

In: -2.398+/-1.829 χ^2/NDF:82.9/53

Out: -4.848+/-1.793 χ^2/NDF:113.4/58

All: -3.647+/-1.280 χ^2/NDF: 197.2/112


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16669.582+/-2.833 χ²/NDF: 3649043.3/30
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 17420.710+/-2.973 χ²/NDF: 3541842.2/33
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 17026.994+/-2.051 χ²/NDF: 7224336.4/64
In: 10397.319+/-1.293 χ²/NDF:10172673.3/53
Out: 10245.606+/-1.268 χ²/NDF:11063975.7/58
All: 10319.944+/-0.905 χ²/NDF: 21243667.8



Right In: -0.562+/-0.151 χ^2/NDF: 38.2/30

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.565+/-0.155 χ^2/NDF: 49.9/33

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

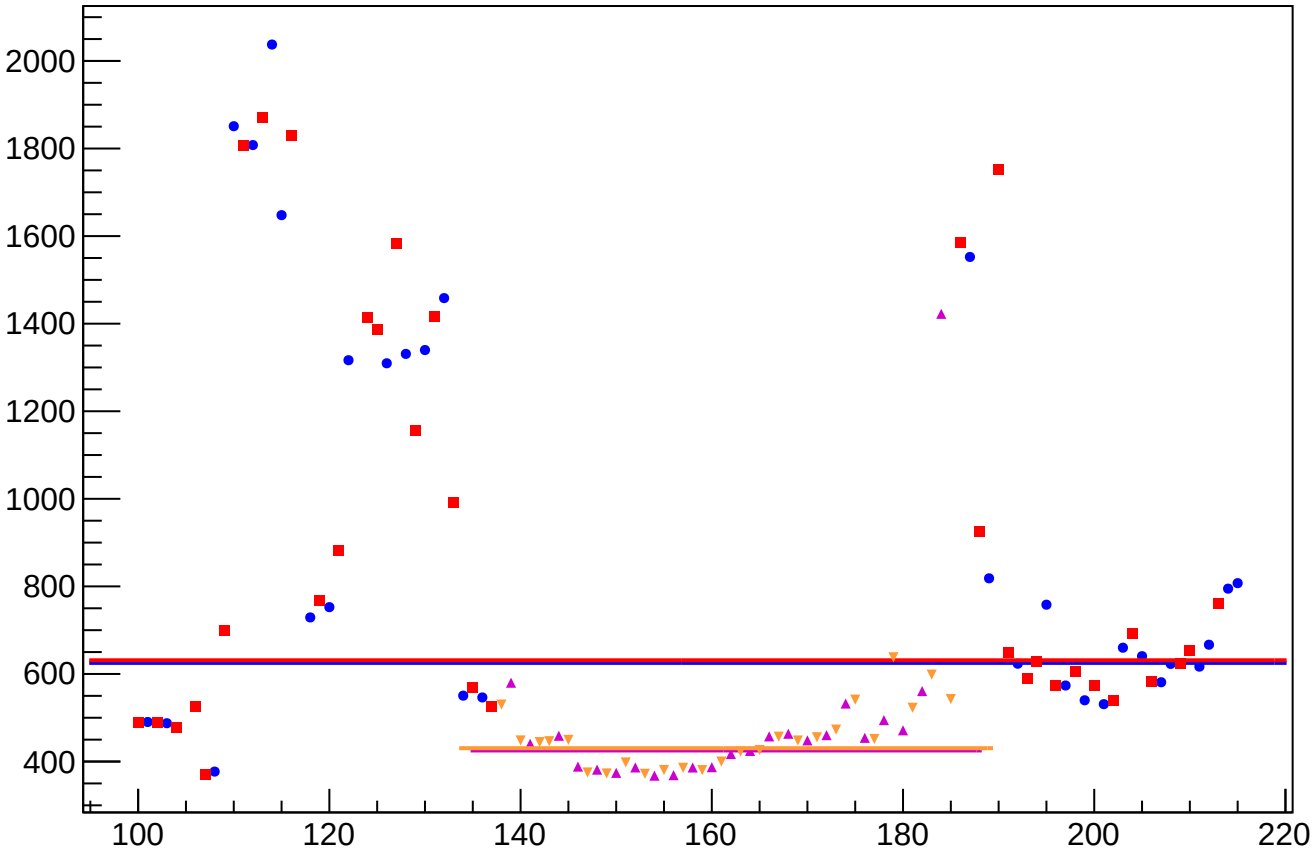
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

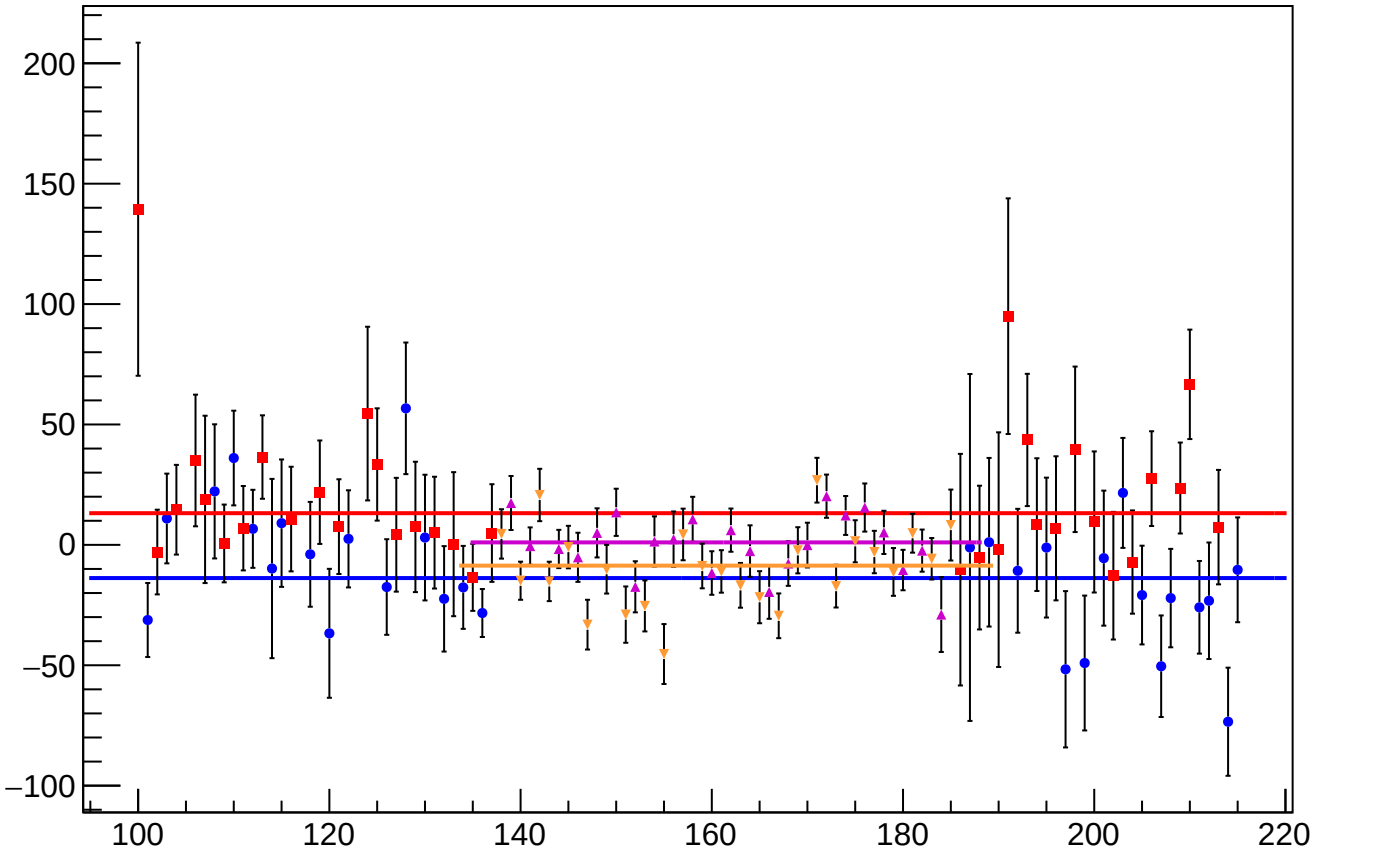
Right: -0.015+/-0.108 χ^2/NDF: 115.2/64

In: -0.208+/-0.084 χ^2/NDF:81.2/53

Out: -0.005+/-0.084 χ^2/NDF:103.3/58

All: -0.106+/-0.060 χ^2/NDF: 187.4/112


diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
220
Right In: 625.335+/-0.107 χ²/NDF: 3401921.1/30
Left Out: 430.437+/-0.071 χ²/NDF:648114.1/24
Right Out: 631.251+/-0.110 χ²/NDF: 3573117.4/33
Left In: 425.312+/-0.072 χ²/NDF:716953.2/22
Left: 427.910+/-0.050 χ²/NDF: 1367648.1/47
Right: 628.205+/-0.076 χ²/NDF: 6976533.9/64
In: 487.824+/-0.060 χ²/NDF:6542242.8/53
Out: 489.506+/-0.060 χ²/NDF:6583703.6/58
All: 488.666+/-0.042 χ²/NDF: 13126345.5/1



Right In: -13.785+/-3.823 χ^2/NDF: 41.3/30

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 13.157+/-3.985 χ^2/NDF: 27.8/33

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

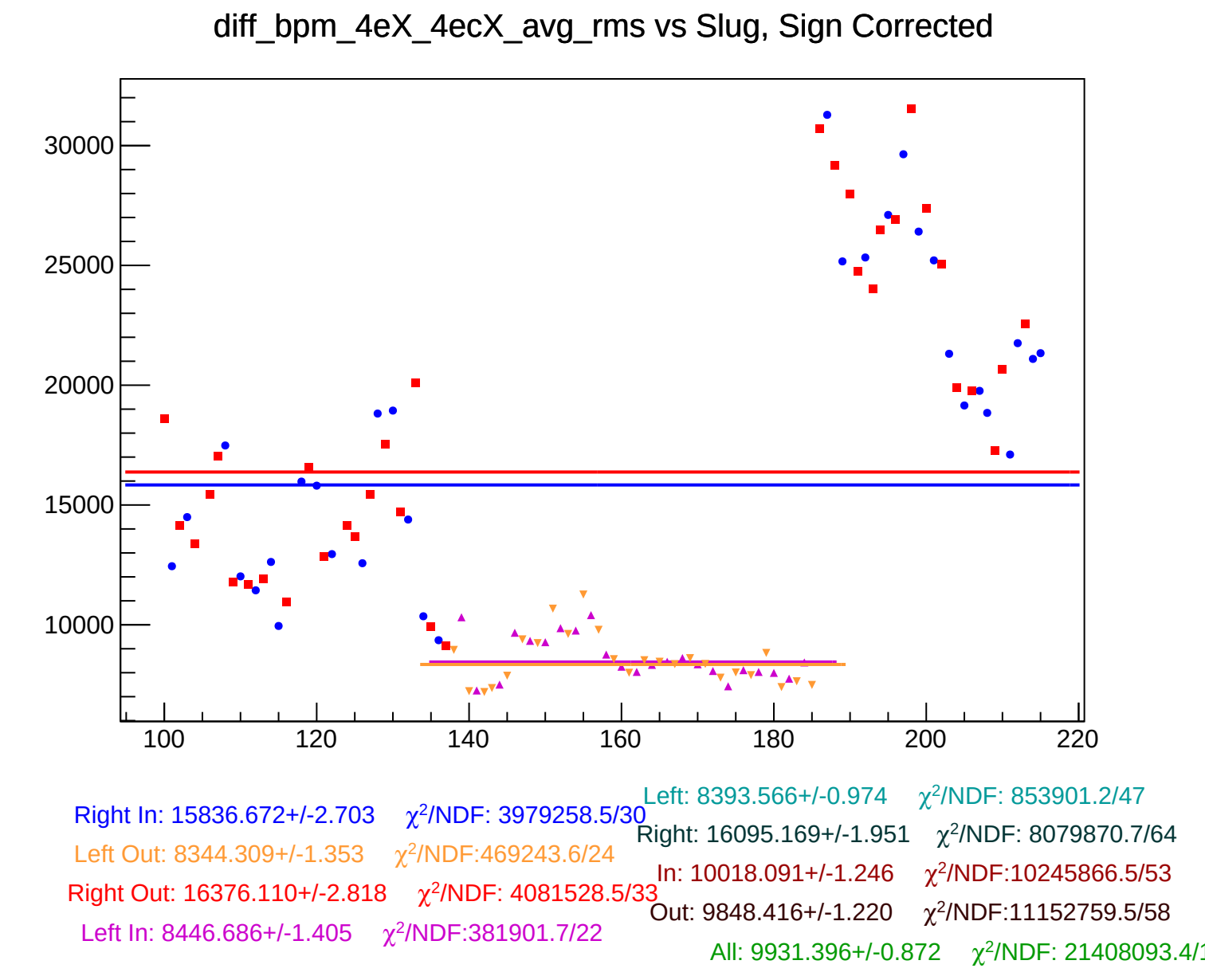
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

Right: -0.875+/-2.759 χ^2/NDF: 92.9/64

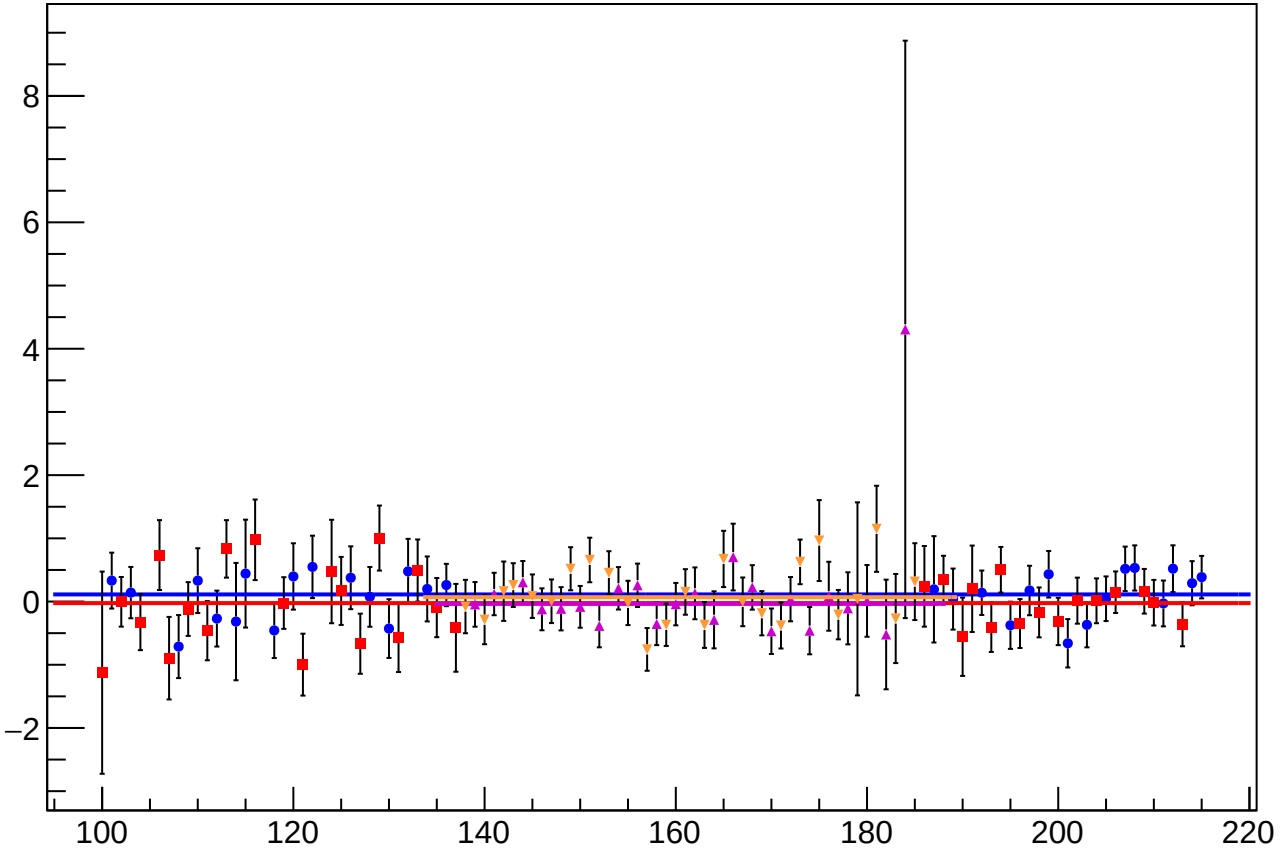
In: -2.123+/-1.763 χ^2/NDF:82.9/53

Out: -4.544+/-1.725 χ^2/NDF:113.6/58

All: -3.360+/-1.233 χ^2/NDF: 197.5/112


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15836.672+/-2.703 χ²/NDF: 3979258.5/30
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 16376.110+/-2.818 χ²/NDF: 4081528.5/33
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16095.169+/-1.951 χ²/NDF: 8079870.7/64
In: 10018.091+/-1.246 χ²/NDF:10245866.5/53
Out: 9848.416+/-1.220 χ²/NDF:11152759.5/58
All: 9931.396+/-0.872 χ²/NDF: 21408093.4/1

diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: 0.113+/-0.076 χ^2/NDF: 22.9/30

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.024+/-0.077 χ^2/NDF: 32.3/33

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

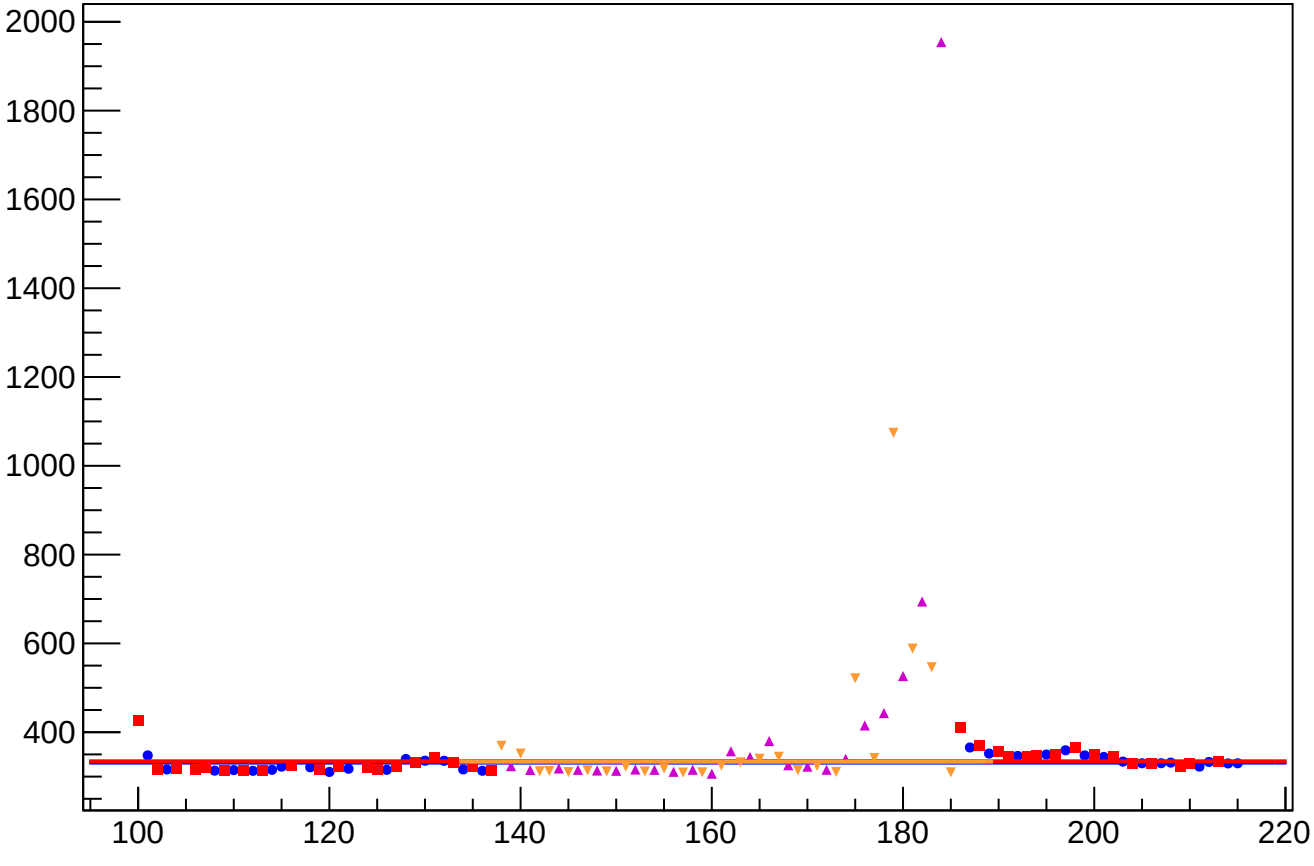
Right: 0.045+/-0.054 χ^2/NDF: 56.8/64

In: 0.043+/-0.055 χ^2/NDF:36.4/53

Out: 0.021+/-0.055 χ^2/NDF:61.2/58

All: 0.032+/-0.039 χ^2/NDF: 97.6/112

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 331.551+/-0.053 χ^2/NDF: 64328.7/30

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 334.428+/-0.054 χ^2/NDF: 118804.3/33

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

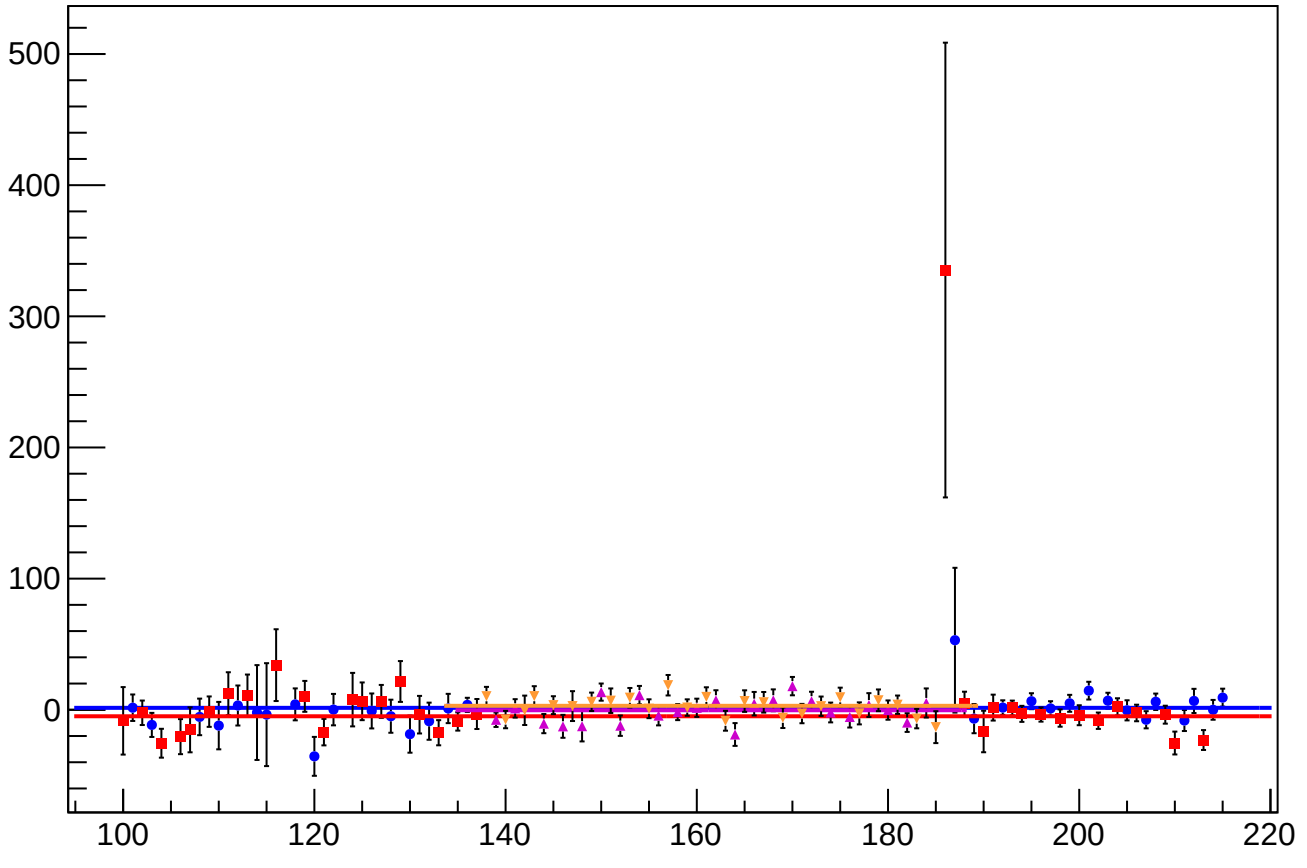
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.968+/-0.038 χ^2/NDF: 184557.0/64

In: 332.684+/-0.039 χ^2/NDF:1116273.5/53

Out: 334.115+/-0.039 χ^2/NDF:1336129.7/58

All: 333.402+/-0.028 χ^2/NDF: 2453076.0/112



Right In: 1.481+/-1.536 χ^2/NDF: 24.7/30

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -4.947+/-1.561 χ^2/NDF: 39.6/33

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

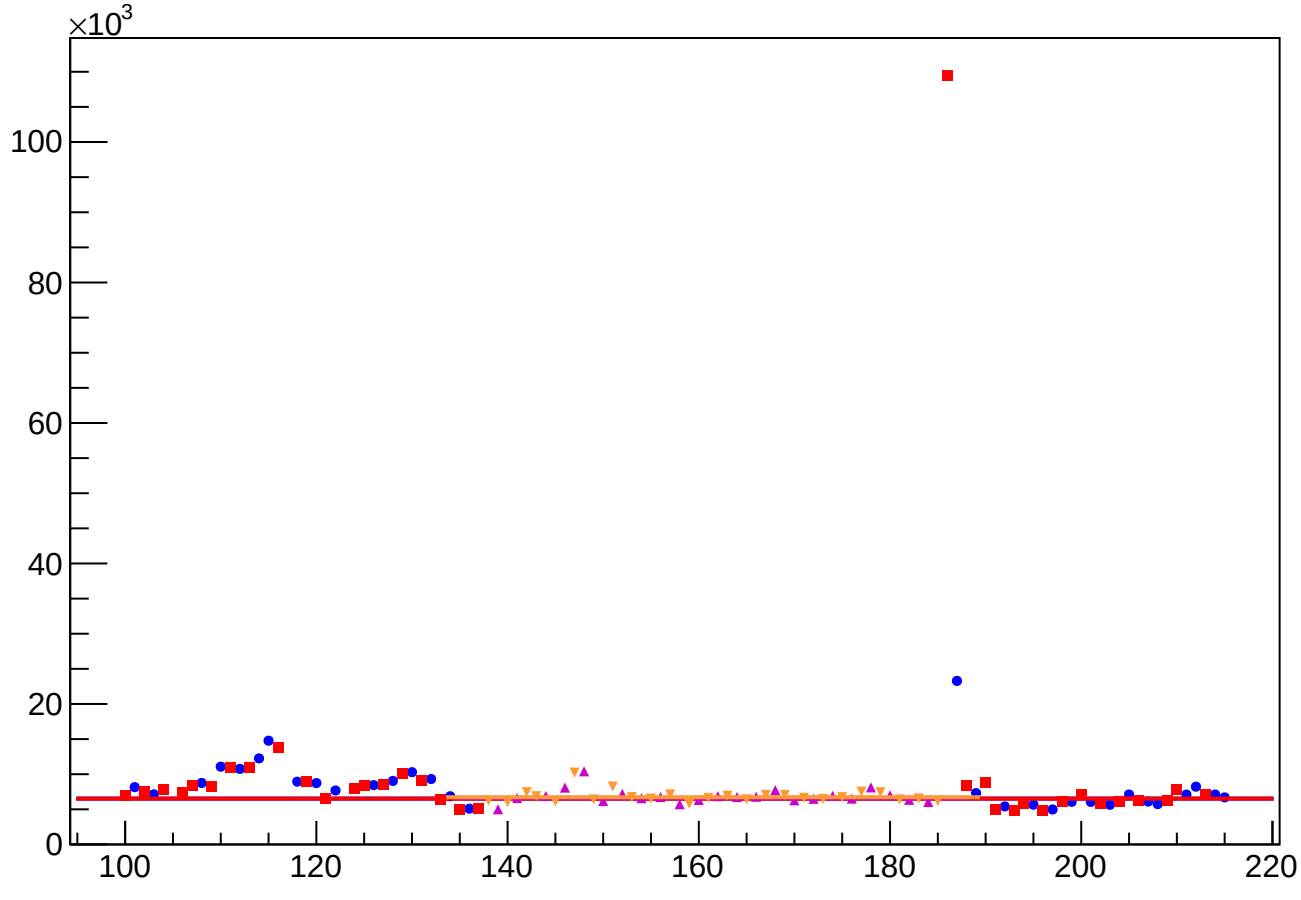
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.681+/-1.095 χ^2/NDF: 73.0/64

In: 0.584+/-1.097 χ^2/NDF:59.2/53

Out: -0.913+/-1.097 χ^2/NDF:73.2/58

All: -0.165+/-0.776 χ^2/NDF: 133.3/112



Right In: 6533.272+/-1.086 χ^2/NDF: 1832207.3/30

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6518.855+/-1.104 χ^2/NDF: 2441083.7/33

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

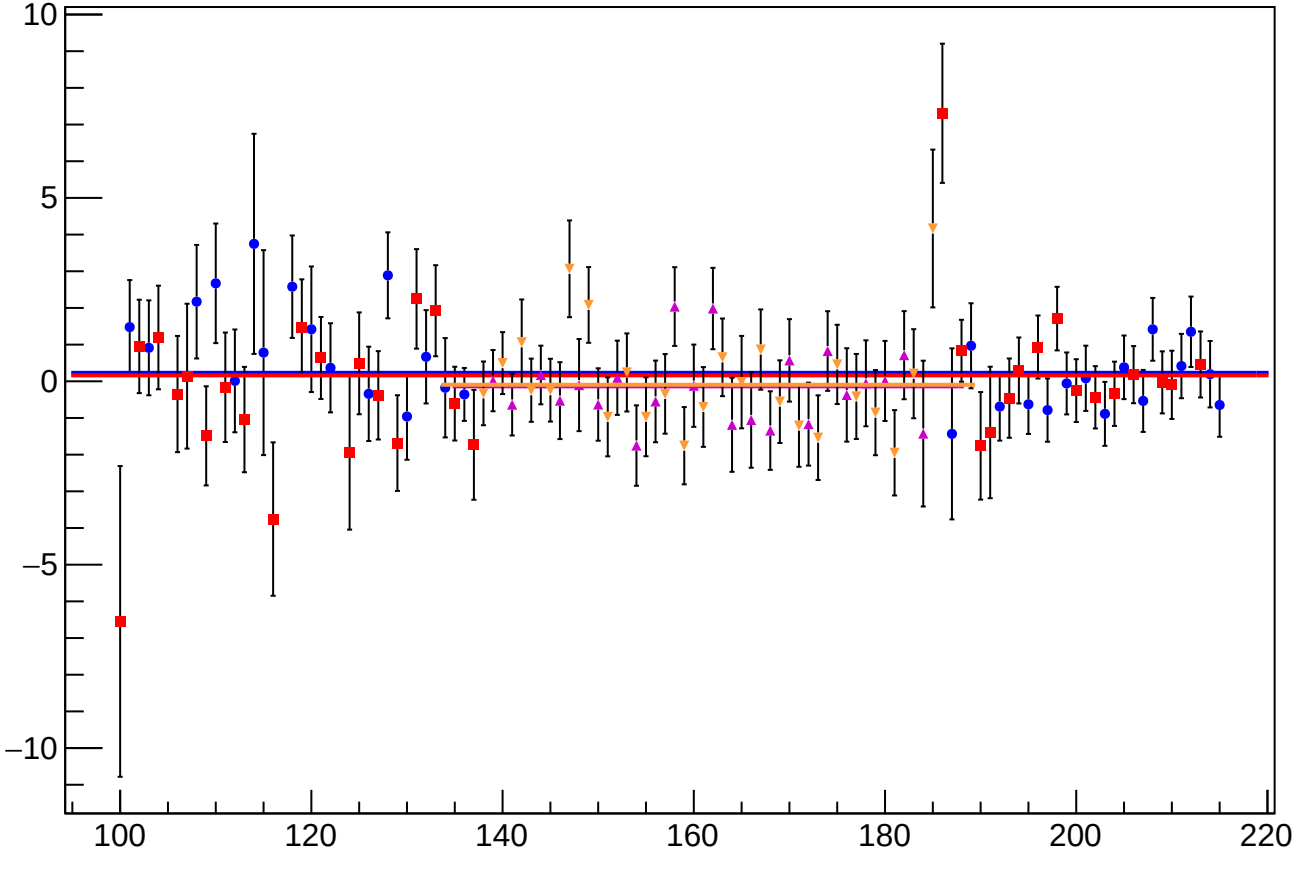
Right: 6526.180+/-0.774 χ^2/NDF: 4273377.7/64

In: 6581.951+/-0.776 χ^2/NDF:2465803.9/53

Out: 6622.174+/-0.776 χ^2/NDF:2861718.5/58

All: 6602.071+/-0.549 χ^2/NDF: 5328866.8/11

diff_bpm_4aY_4acY_dd_mean vs Slug, Sign Corrected



Right In: 0.231+/-0.191 χ^2/NDF: 28.4/30

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.161+/-0.195 χ^2/NDF: 43.2/33

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

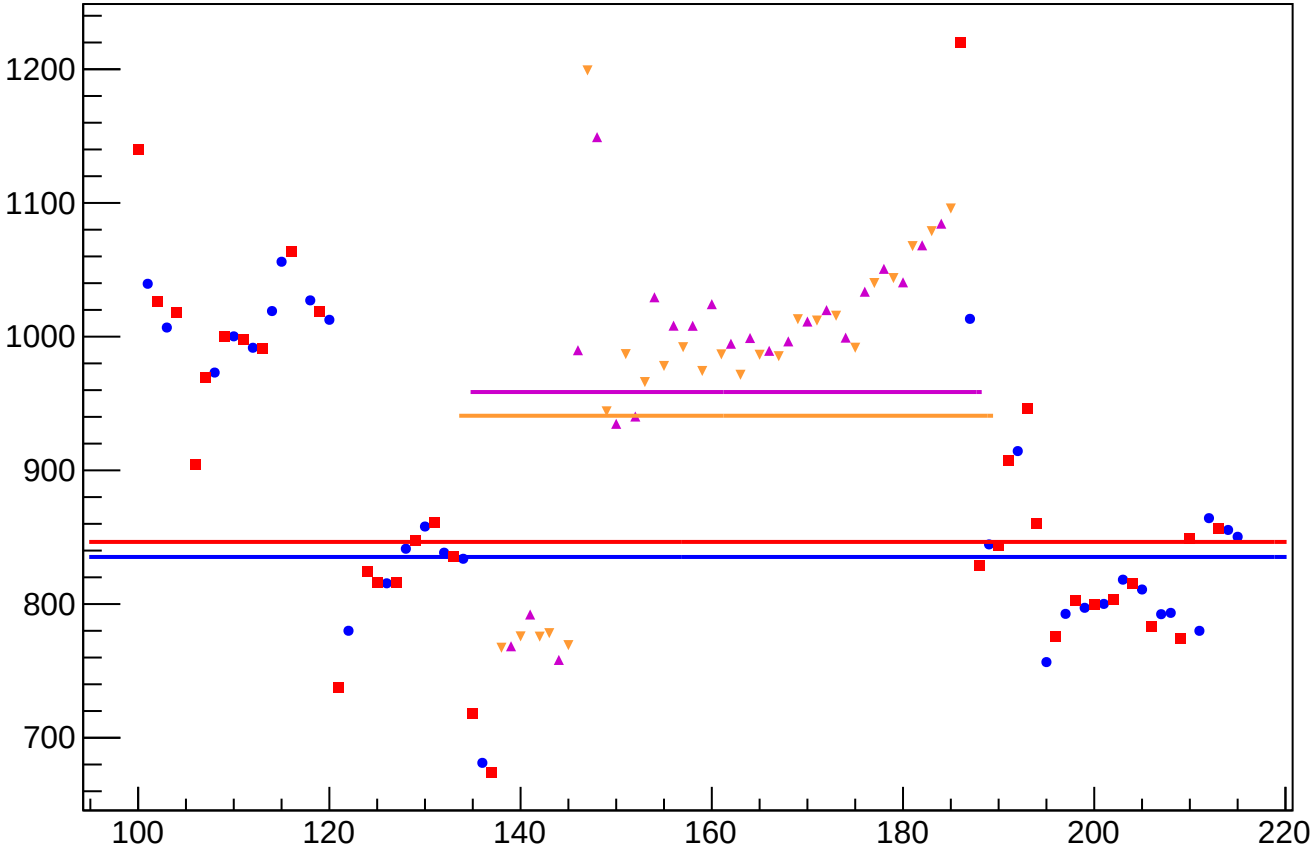
Right: 0.197+/-0.136 χ^2/NDF: 71.7/64

In: 0.077+/-0.146 χ^2/NDF:46.5/53

Out: 0.046+/-0.145 χ^2/NDF:71.3/58

All: 0.061+/-0.103 χ^2/NDF: 117.8/112

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 835.227+/-0.135 χ^2/NDF: 403900.1/30

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 846.474+/-0.138 χ^2/NDF: 450765.4/33

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

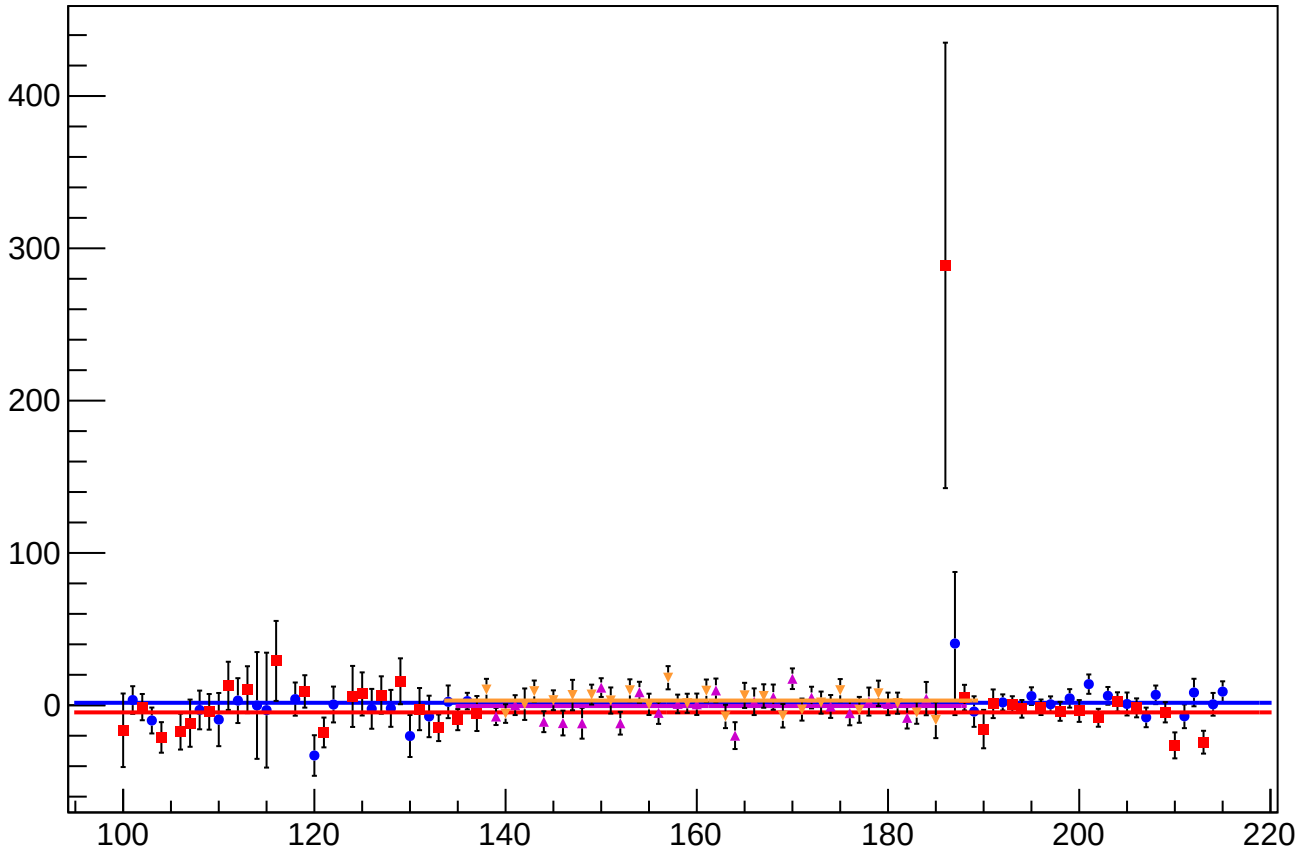
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 840.735+/-0.097 χ^2/NDF: 858059.3/64

In: 886.822+/-0.103 χ^2/NDF:1209345.5/53

Out: 888.994+/-0.102 χ^2/NDF:1230509.8/58

All: 887.917+/-0.073 χ^2/NDF: 2440079.3/112



Right In: 1.618+/-1.474 χ^2/NDF: 24.6/30

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -4.682+/-1.487 χ^2/NDF: 40.4/33

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

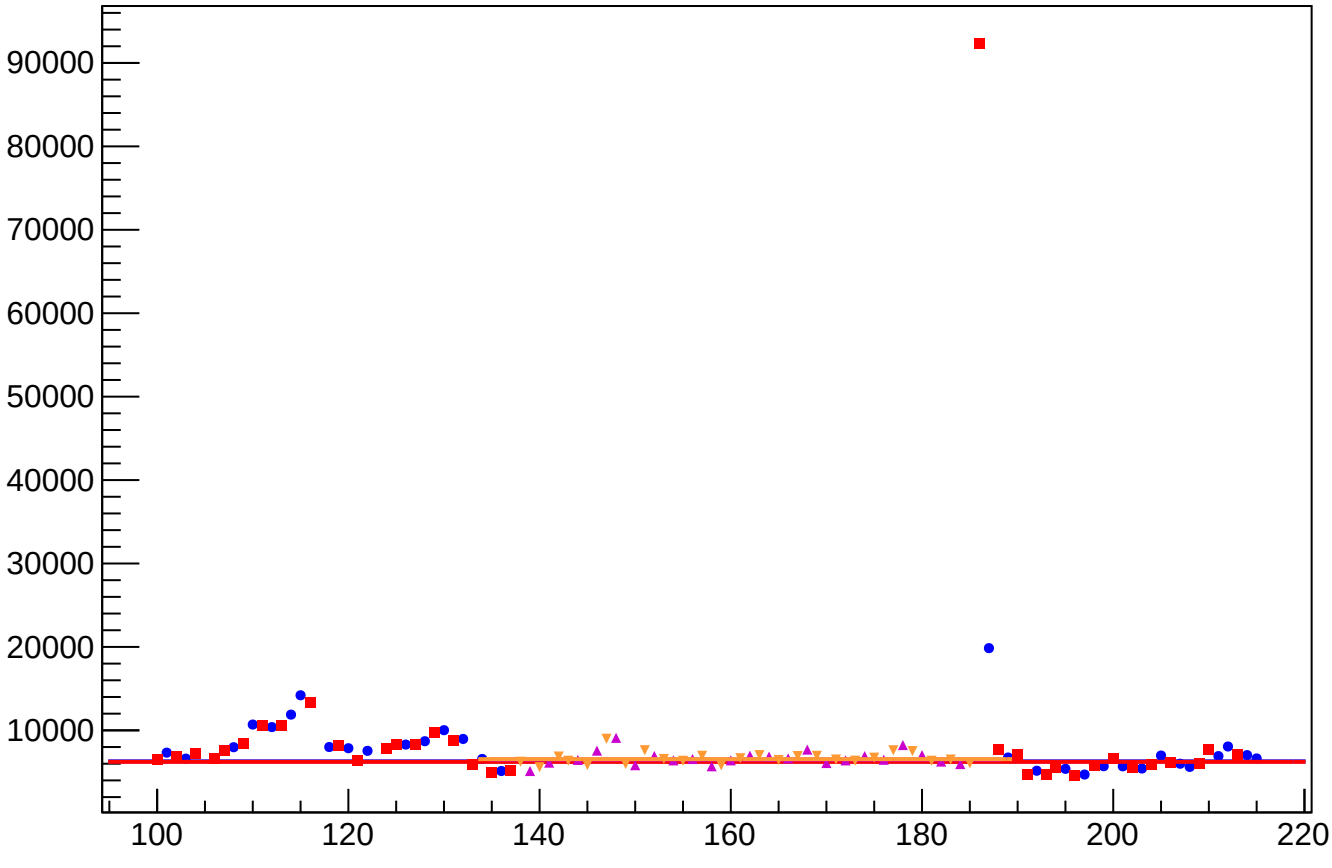
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.505+/-1.047 χ^2/NDF: 74.1/64

In: 0.593+/-1.063 χ^2/NDF:57.7/53

Out: -0.825+/-1.056 χ^2/NDF:72.5/58

All: -0.121+/-0.749 χ^2/NDF: 131.1/112



Right In: 6282.720+/-1.043 χ^2/NDF: 1765885.0/30

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6226.567+/-1.052 χ^2/NDF: 2390106.6/33

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

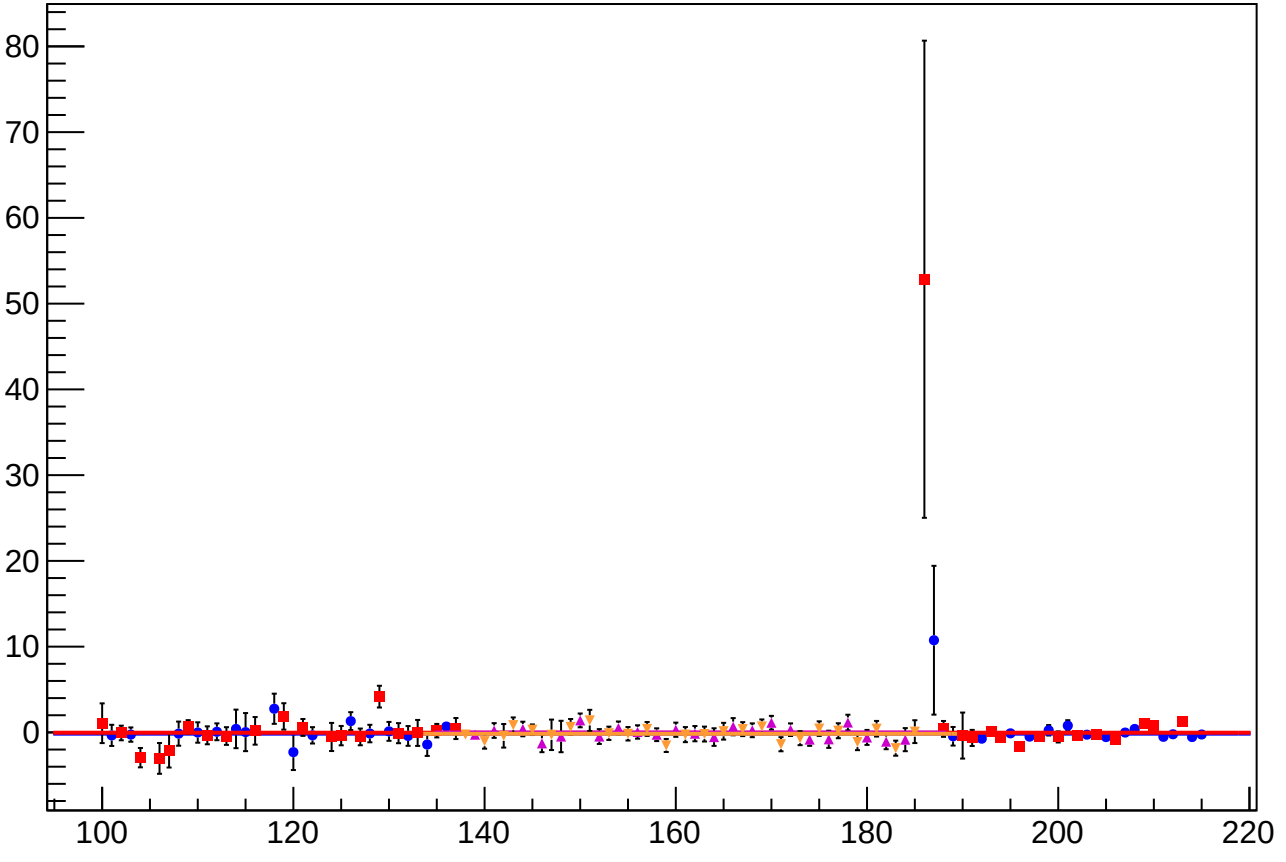
Right: 6254.887+/-0.740 χ^2/NDF: 4157429.5/64

In: 6389.425+/-0.752 χ^2/NDF:2303208.5/53

Out: 6386.334+/-0.747 χ^2/NDF:2802741.9/58

All: 6387.869+/-0.530 χ^2/NDF: 5105958.9/11

diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected



Right In: -0.146+/-0.121 χ^2/NDF: 18.8/30

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.037+/-0.130 χ^2/NDF: 60.0/33

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

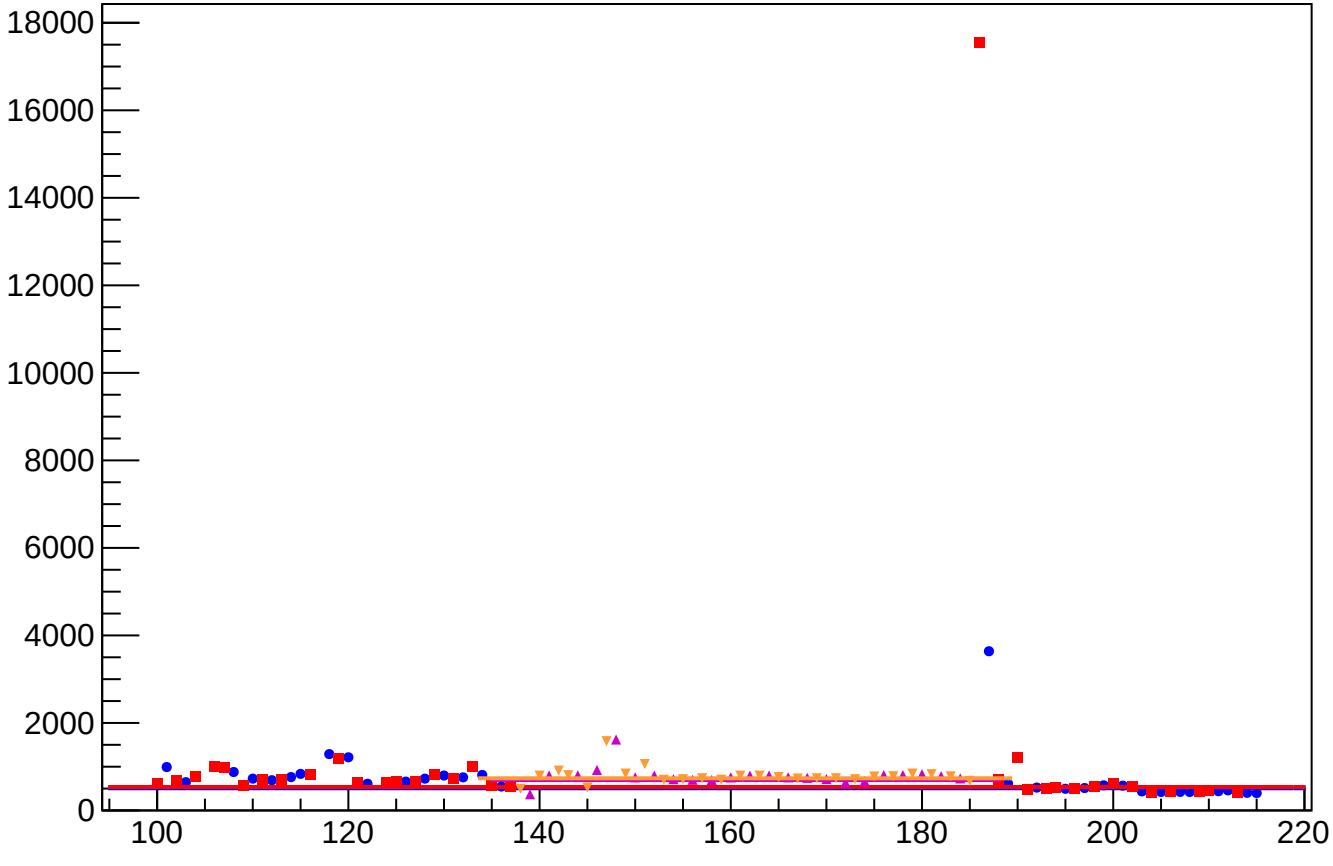
Right: -0.096+/-0.089 χ^2/NDF: 79.2/64

In: -0.102+/-0.098 χ^2/NDF:34.4/53

Out: -0.083+/-0.104 χ^2/NDF:79.3/58

All: -0.093+/-0.071 χ^2/NDF: 113.8/112

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 507.227+/-0.086 χ^2/NDF: 2737782.3/30

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 536.286+/-0.092 χ^2/NDF: 2890194.6/33

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

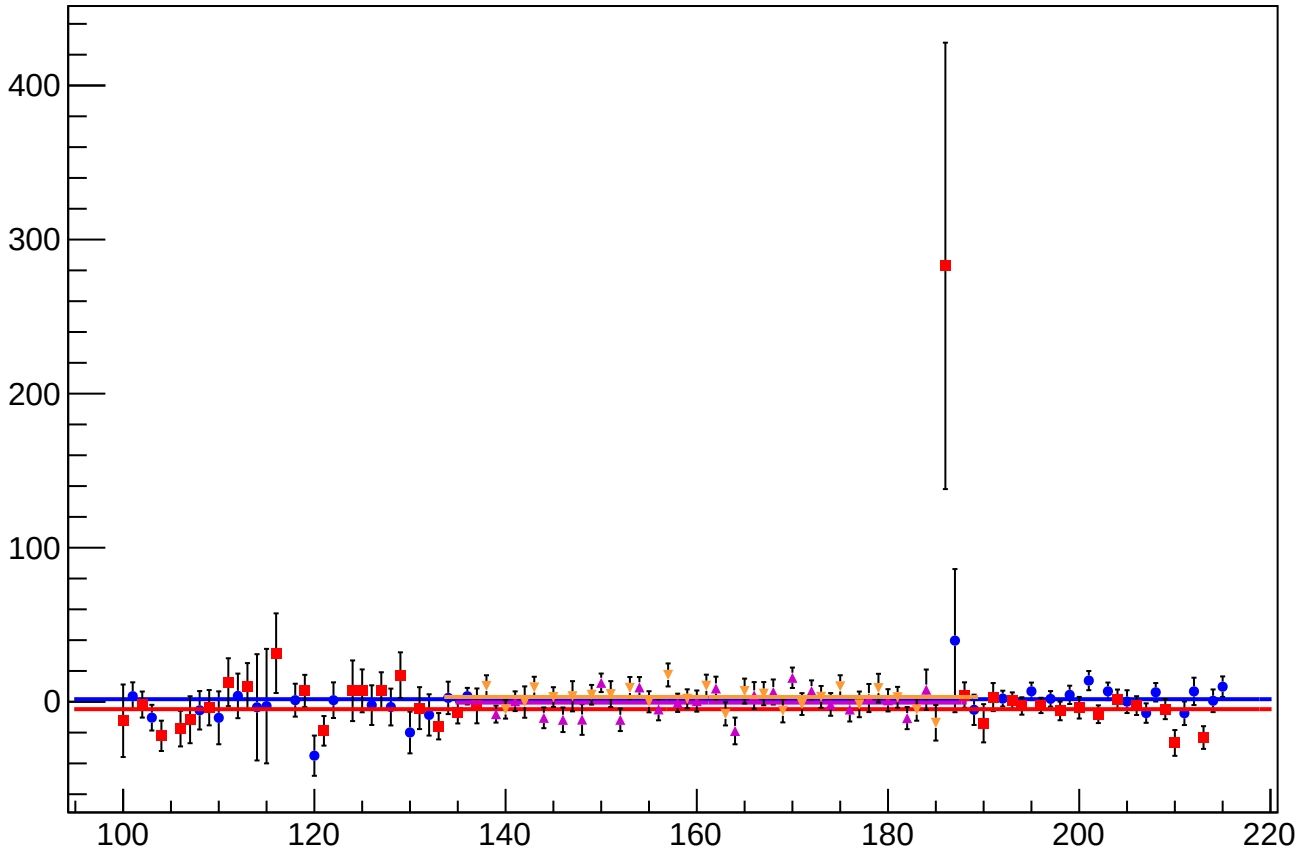
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 520.672+/-0.063 χ^2/NDF: 5681352.9/64

In: 570.532+/-0.070 χ^2/NDF:6579616.7/53

Out: 608.736+/-0.073 χ^2/NDF:5923482.9/58

All: 588.589+/-0.051 χ^2/NDF: 12645613.4/11



Right In: 1.677+/-1.446 χ^2/NDF: 27.1/30

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -4.797+/-1.458 χ^2/NDF: 41.2/33

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

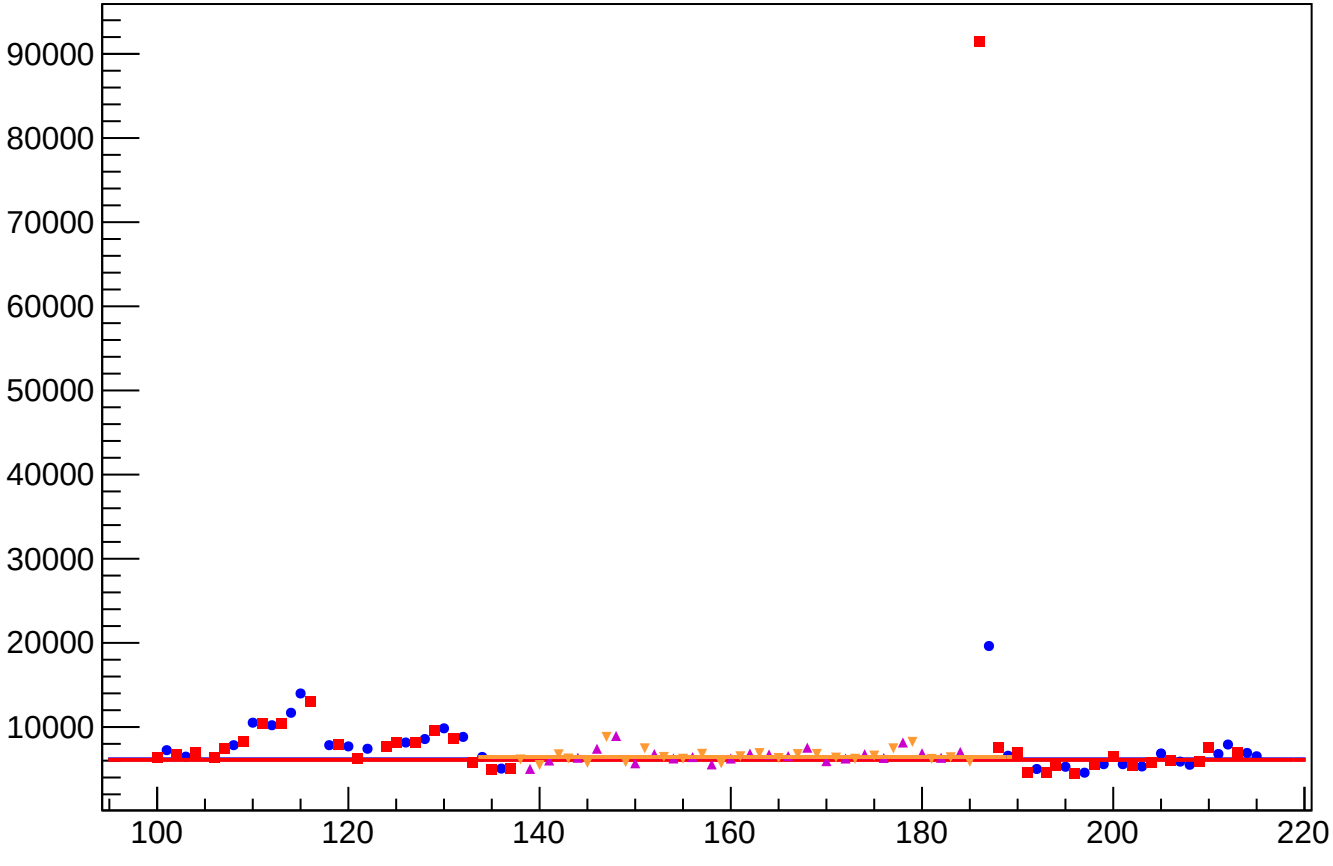
Right: -1.535+/-1.027 χ^2/NDF: 78.2/64

In: 0.613+/-1.045 χ^2/NDF:61.8/53

Out: -0.893+/-1.037 χ^2/NDF:74.5/58

All: -0.146+/-0.736 χ^2/NDF: 137.3/112

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 6158.347+/-1.023 χ^2/NDF: 1798006.6/30

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6097.333+/-1.031 χ^2/NDF: 2414499.1/33

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

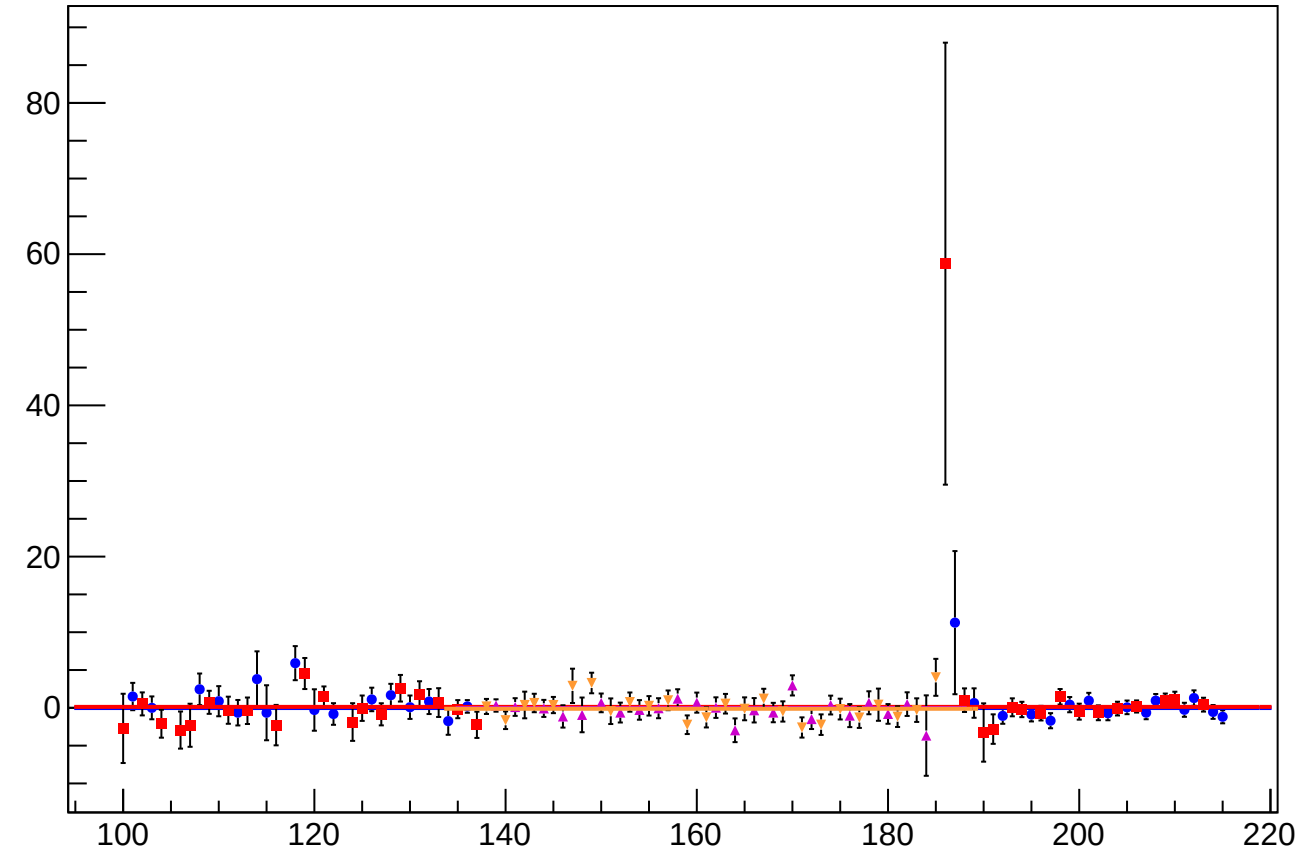
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6128.077+/-0.726 χ^2/NDF: 4214271.7/64

In: 6276.269+/-0.739 χ^2/NDF:2350922.9/53

Out: 6264.194+/-0.733 χ^2/NDF:2884918.9/58

All: 6270.185+/-0.521 χ^2/NDF: 5235976.3/11



Right In: -0.028+/-0.219 χ^2/NDF: 27.3/30

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.125+/-0.232 χ^2/NDF: 30.0/33

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

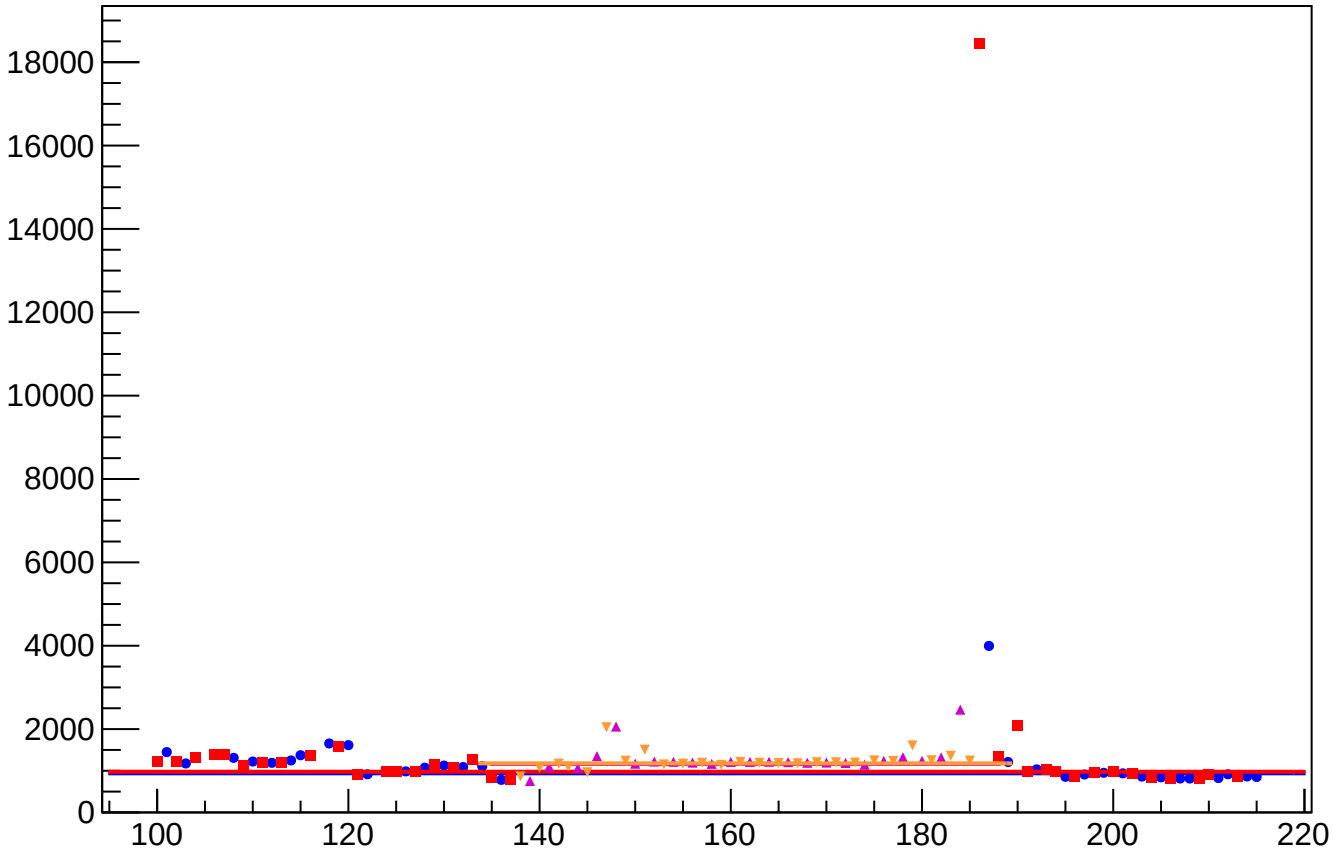
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.044+/-0.159 χ^2/NDF: 57.6/64

In: -0.028+/-0.172 χ^2/NDF:41.7/53

Out: 0.021+/-0.177 χ^2/NDF:57.5/58

All: -0.004+/-0.123 χ^2/NDF: 99.3/112



Right In: 938.987+/-0.155 χ^2/NDF: 1337642.7/30

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 976.818+/-0.164 χ^2/NDF: 1921443.3/33

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

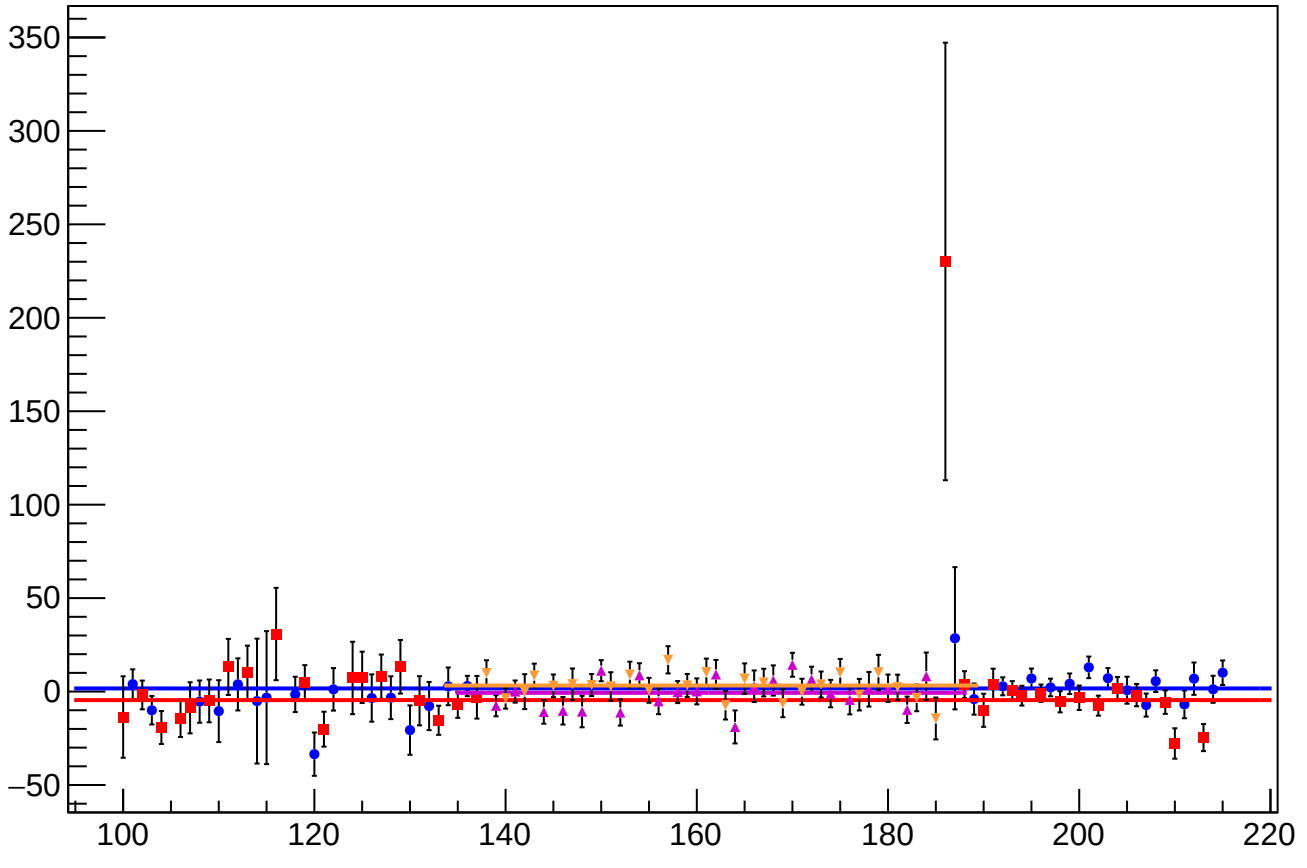
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 956.813+/-0.113 χ^2/NDF: 3287241.8/64

In: 1024.802+/-0.122 χ^2/NDF:3195422.8/53

Out: 1060.881+/-0.125 χ^2/NDF:3350711.4/58

All: 1042.353+/-0.087 χ^2/NDF: 6588891.9/11



Right In: 1.669+/-1.372 χ^2/NDF: 29.5/30

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -4.578+/-1.368 χ^2/NDF: 44.5/33

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

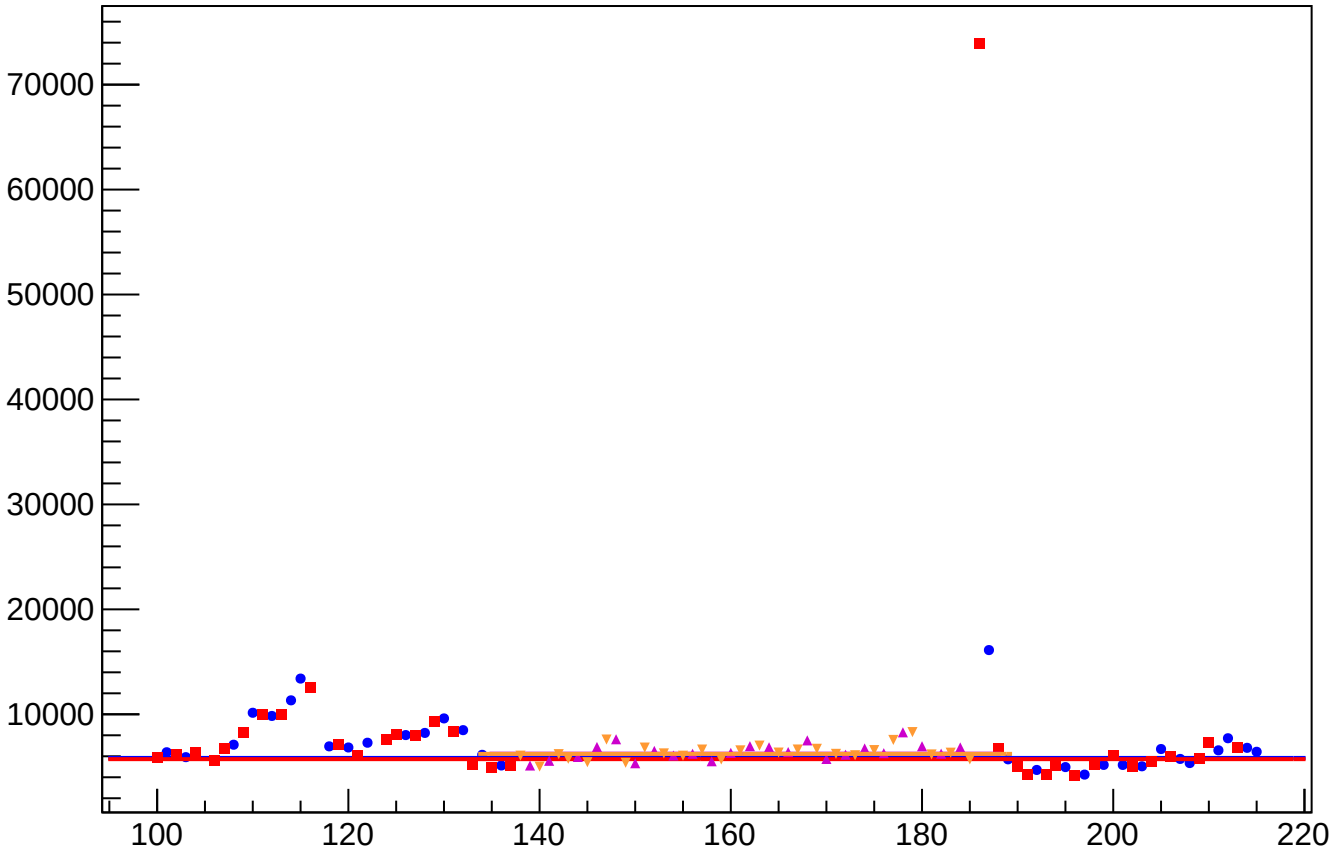
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -1.463+/-0.969 χ^2/NDF: 84.4/64

In: 0.585+/-1.004 χ^2/NDF:63.2/53

Out: -0.843+/-0.988 χ^2/NDF:78.0/58

All: -0.141+/-0.704 χ^2/NDF: 142.2/112



Right In: 5842.388+/-0.970 χ^2/NDF: 1828313.3/30

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5726.504+/-0.967 χ^2/NDF: 2476937.7/33

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

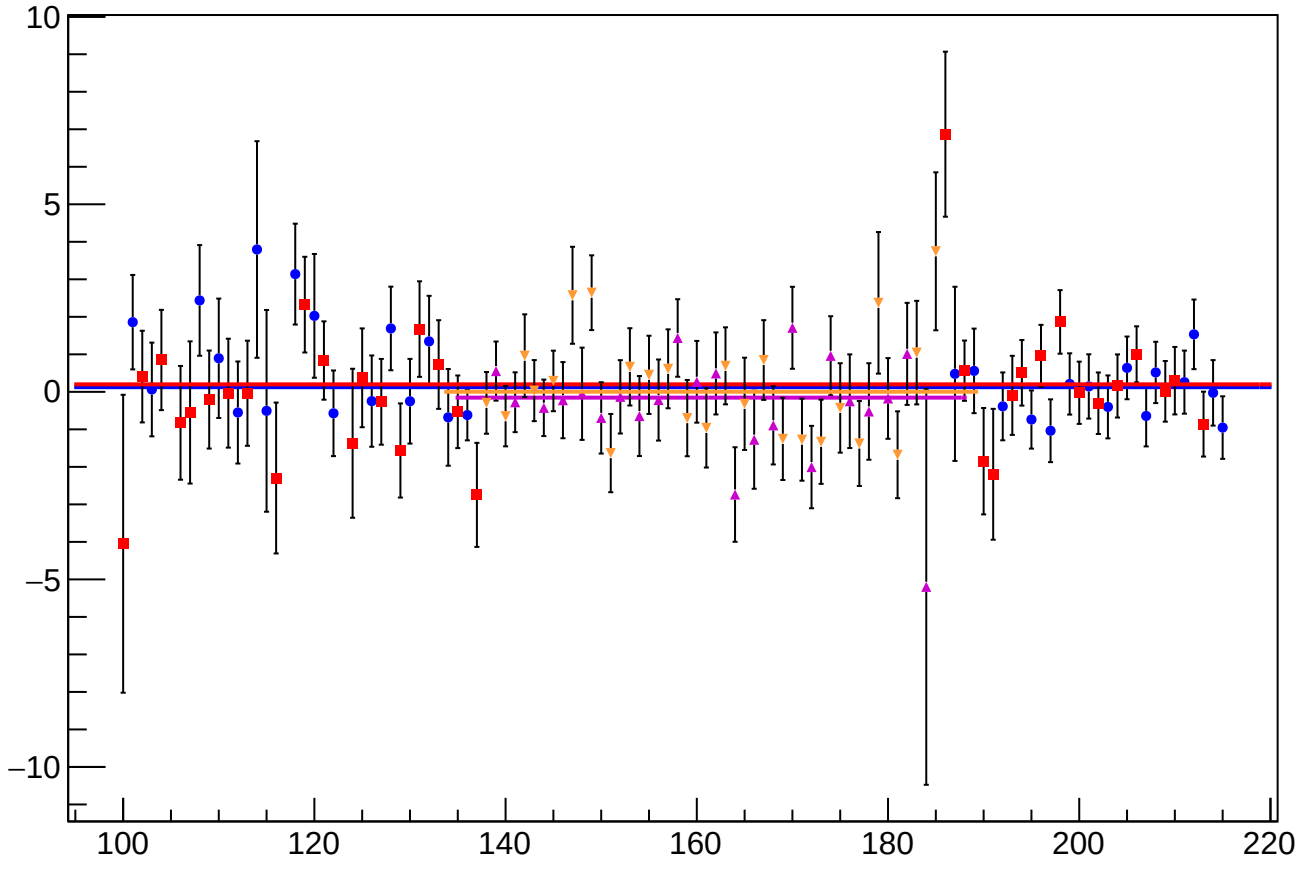
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5784.287+/-0.685 χ^2/NDF: 4312404.6/64

In: 6030.162+/-0.710 χ^2/NDF:2393978.5/53

Out: 5966.575+/-0.699 χ^2/NDF:3076576.7/58

All: 5997.867+/-0.498 χ^2/NDF: 5474628.2/11



Right In: 0.125+/-0.184 χ^2/NDF: 27.6/30

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.200+/-0.188 χ^2/NDF: 37.7/33

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

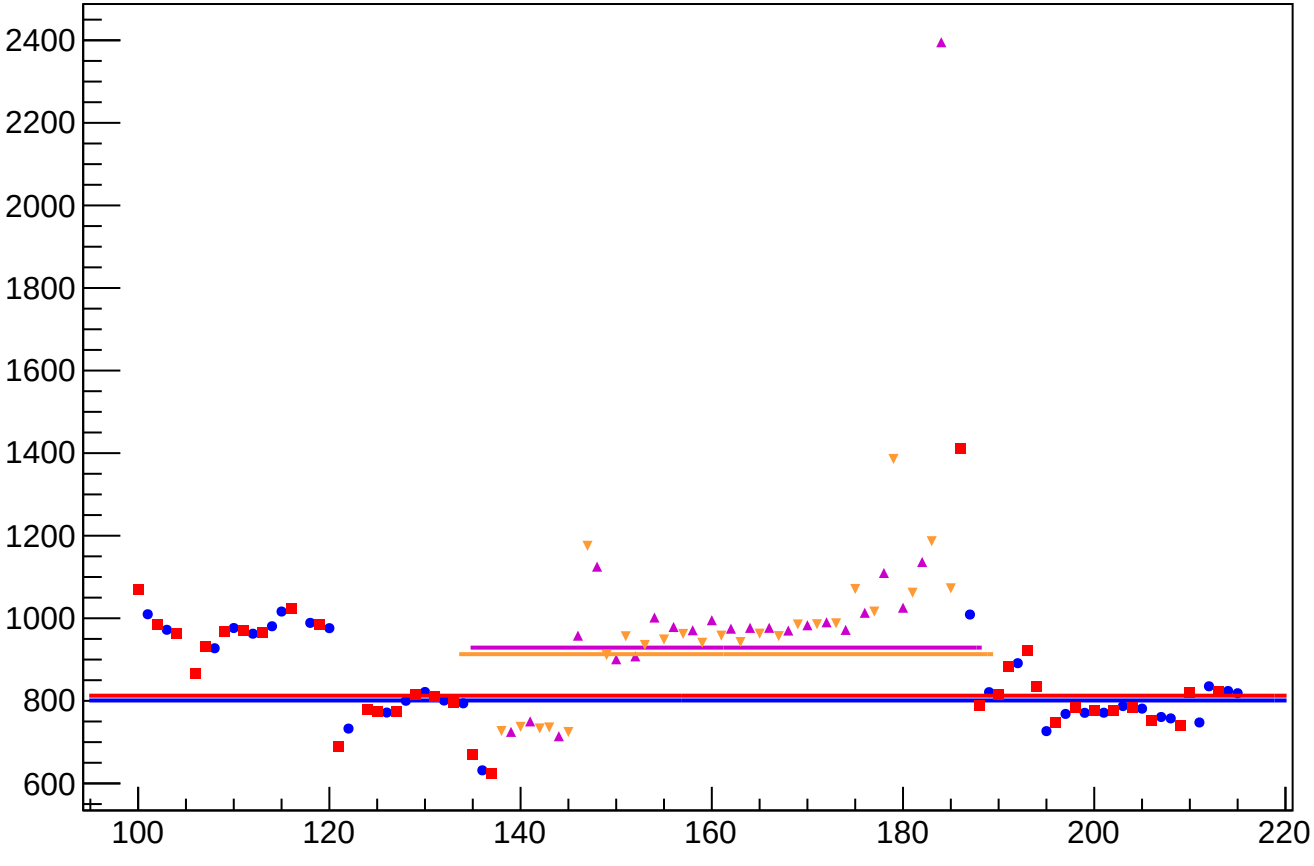
Right: 0.161+/-0.131 χ^2/NDF: 65.4/64

In: 0.011+/-0.141 χ^2/NDF:47.0/53

Out: 0.113+/-0.140 χ^2/NDF:69.8/58

All: 0.062+/-0.100 χ^2/NDF: 117.1/112

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 800.904+/-0.130 χ^2/NDF: 465204.5/30

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 812.520+/-0.133 χ^2/NDF: 562372.4/33

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

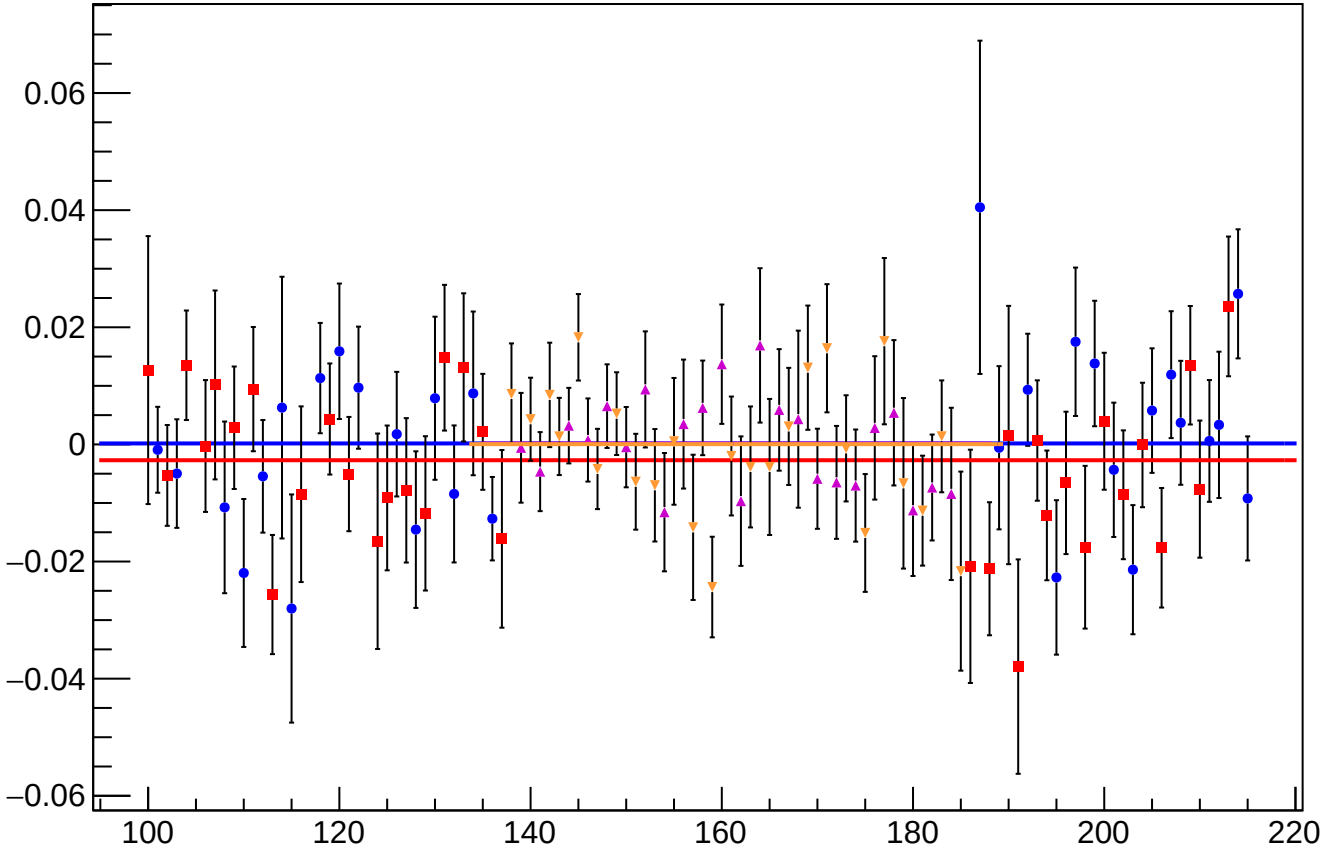
Right: 806.583+/-0.093 χ^2/NDF: 1031493.9/64

In: 853.129+/-0.100 χ^2/NDF:1631271.9/53

Out: 856.713+/-0.099 χ^2/NDF:1703924.1/58

All: 854.930+/-0.070 χ^2/NDF: 3335843.7/112

diff_dispE_bpm12X_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.002 χ^2/NDF: 37.5/30

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.003+/-0.002 χ^2/NDF: 37.4/33

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

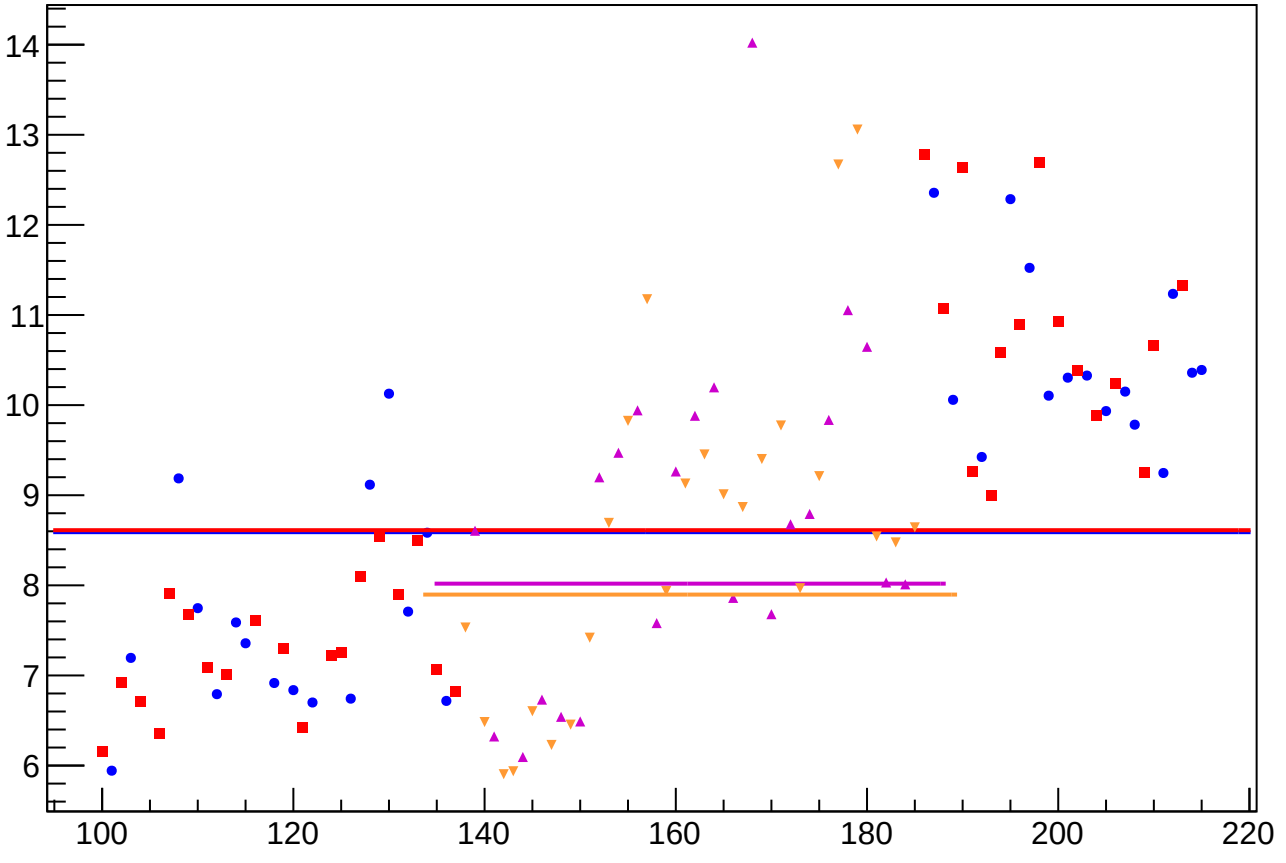
Right: -0.001+/-0.001 χ^2/NDF: 75.9/64

In: 0.000+/-0.001 χ^2/NDF:50.3/53

Out: -0.001+/-0.001 χ^2/NDF:69.6/58

All: -0.001+/-0.001 χ^2/NDF: 120.3/112

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.590+/-0.001 χ^2/NDF: 1588783.8/30

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.612+/-0.001 χ^2/NDF: 1585213.2/33

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

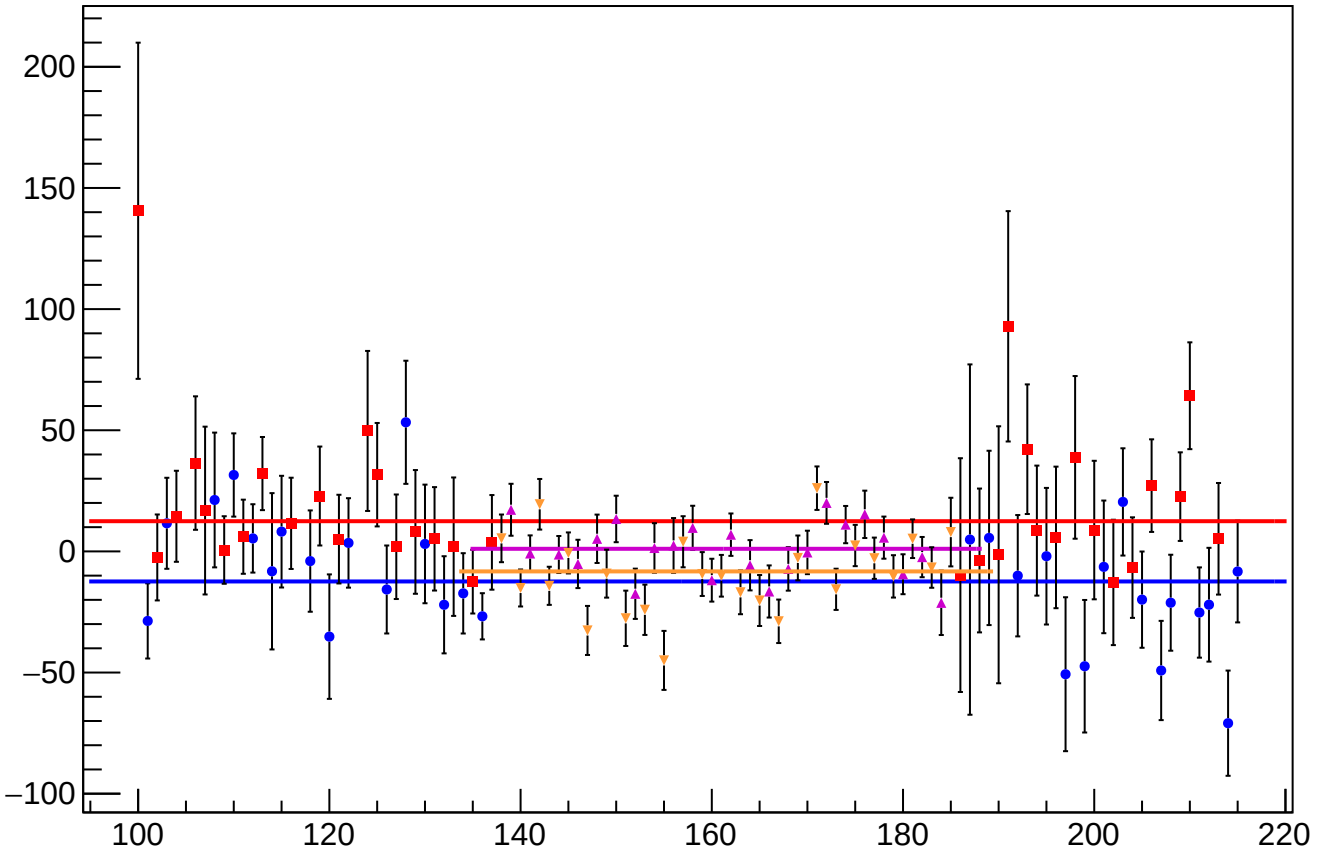
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.601+/-0.001 χ^2/NDF: 3174115.3/64

In: 8.292+/-0.001 χ^2/NDF:3129452.6/53

Out: 8.222+/-0.001 χ^2/NDF:3312437.2/58

All: 8.256+/-0.001 χ^2/NDF: 6444494.1/112



Right In: -12.406+/-3.634 χ^2/NDF: 41.8/30

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 12.465+/-3.755 χ^2/NDF: 28.0/33

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

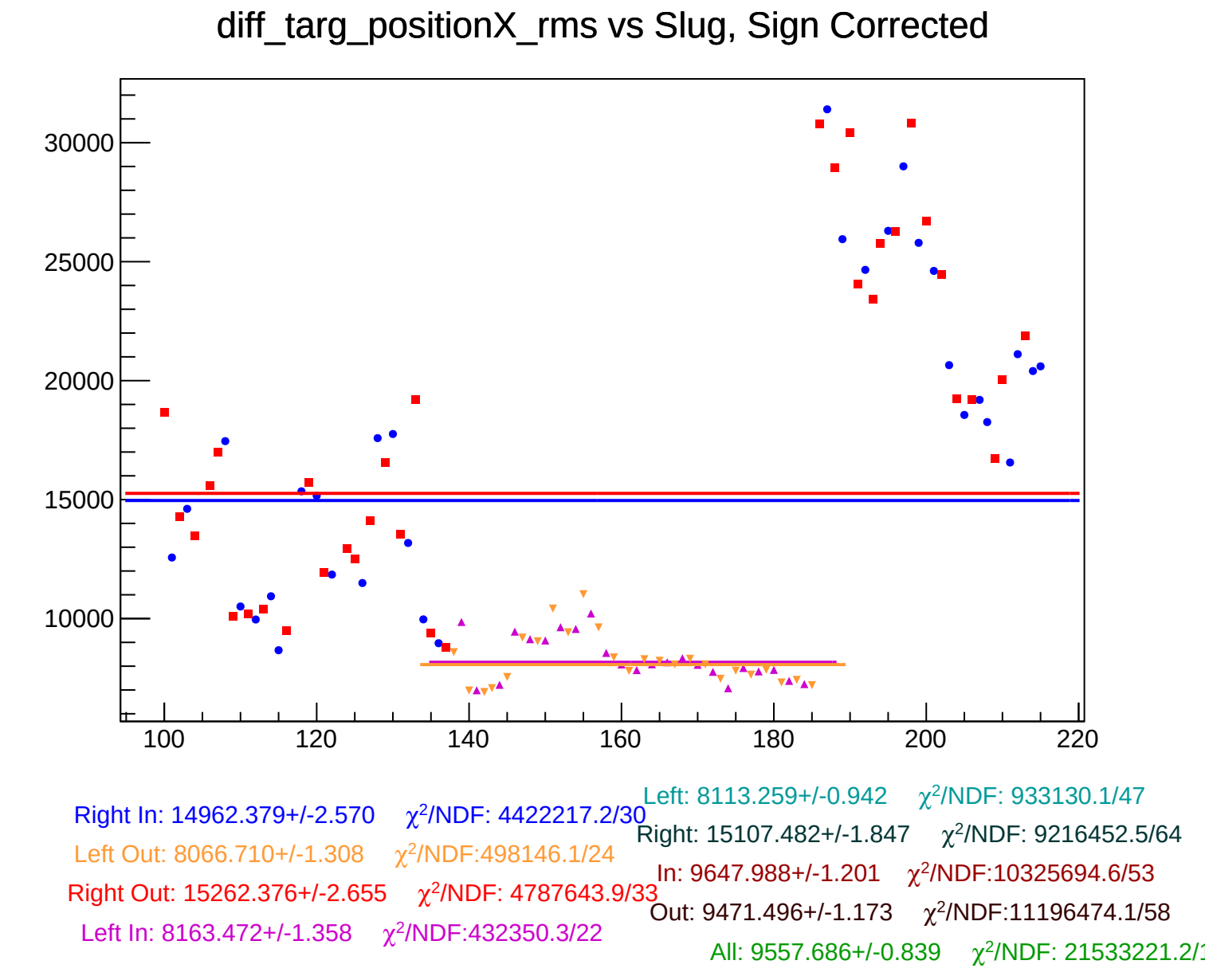
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

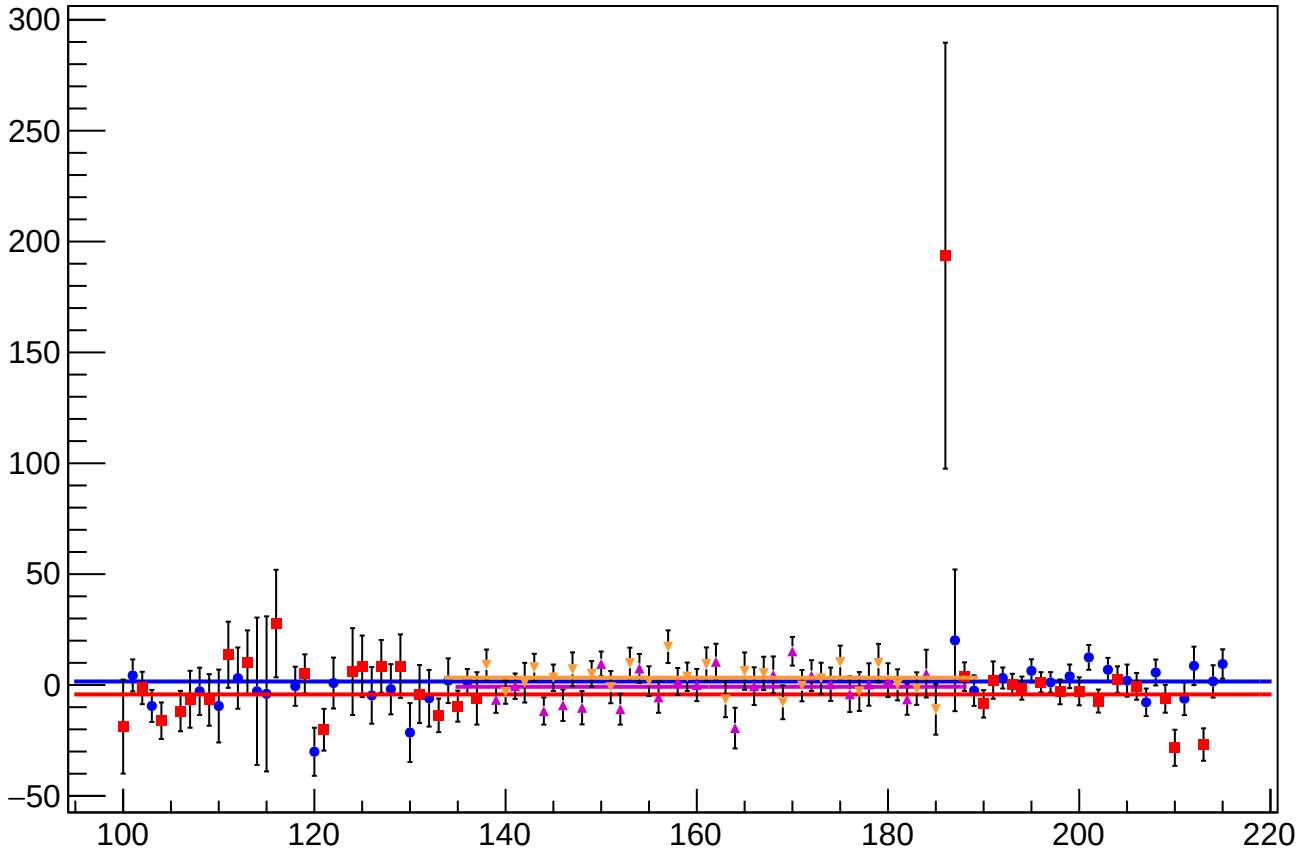
Right: -0.377+/-2.611 χ^2/NDF: 92.5/64

In: -1.871+/-1.698 χ^2/NDF:81.4/53

Out: -4.211+/-1.659 χ^2/NDF:114.7/58

All: -3.068+/-1.187 χ^2/NDF: 197.1/112


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 14962.379+/-2.570 χ²/NDF: 4422217.2/30
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 15262.376+/-2.655 χ²/NDF: 4787643.9/33
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 15107.482+/-1.847 χ²/NDF: 9216452.5/64
In: 9647.988+/-1.201 χ²/NDF:10325694.6/53
Out: 9471.496+/-1.173 χ²/NDF:11196474.1/58
All: 9557.686+/-0.839 χ²/NDF: 21533221.2/1



Right In: 1.597+/-1.345 χ^2/NDF: 28.0/30

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -4.236+/-1.326 χ^2/NDF: 46.7/33

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

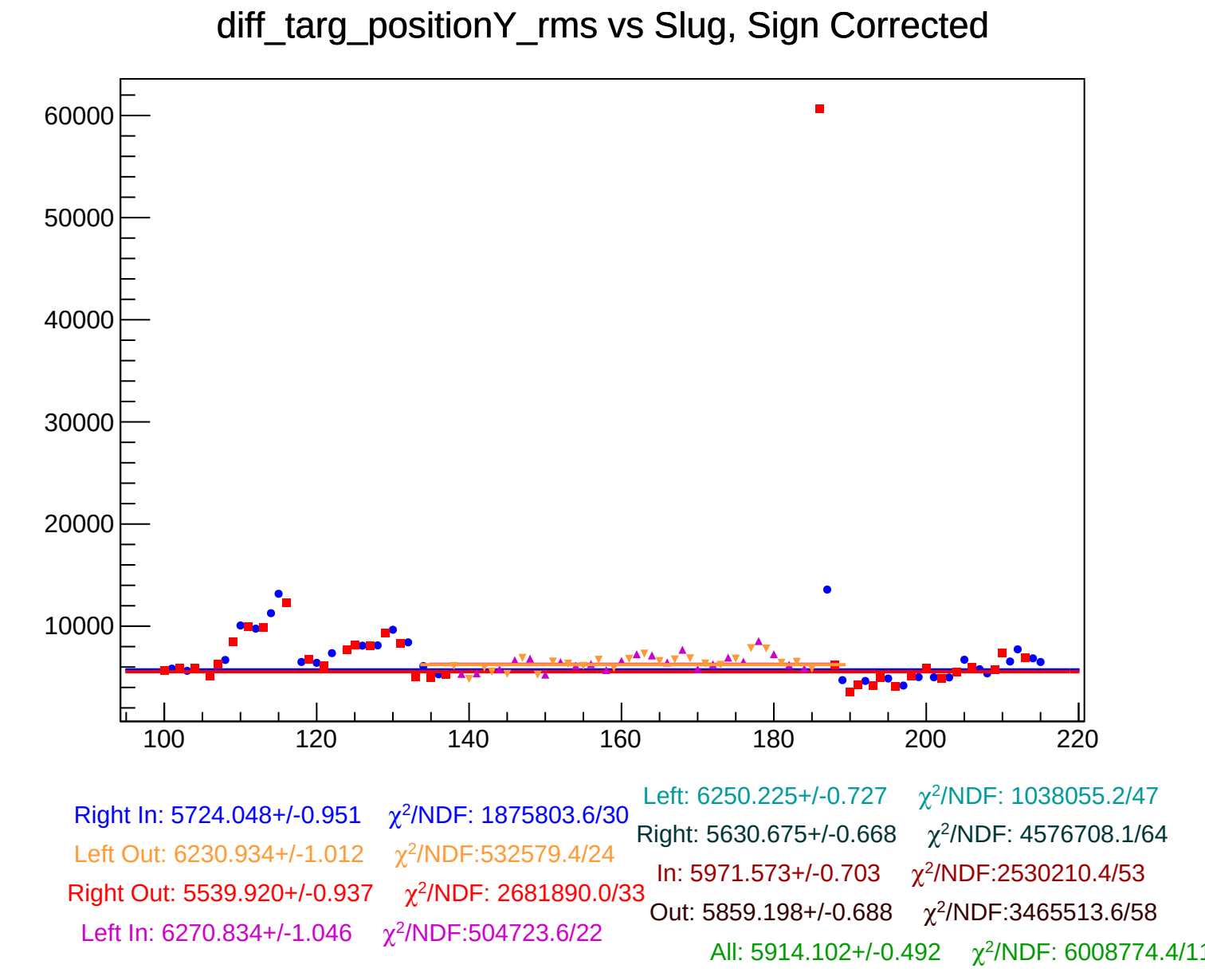
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -1.361+/-0.944 χ^2/NDF: 84.3/64

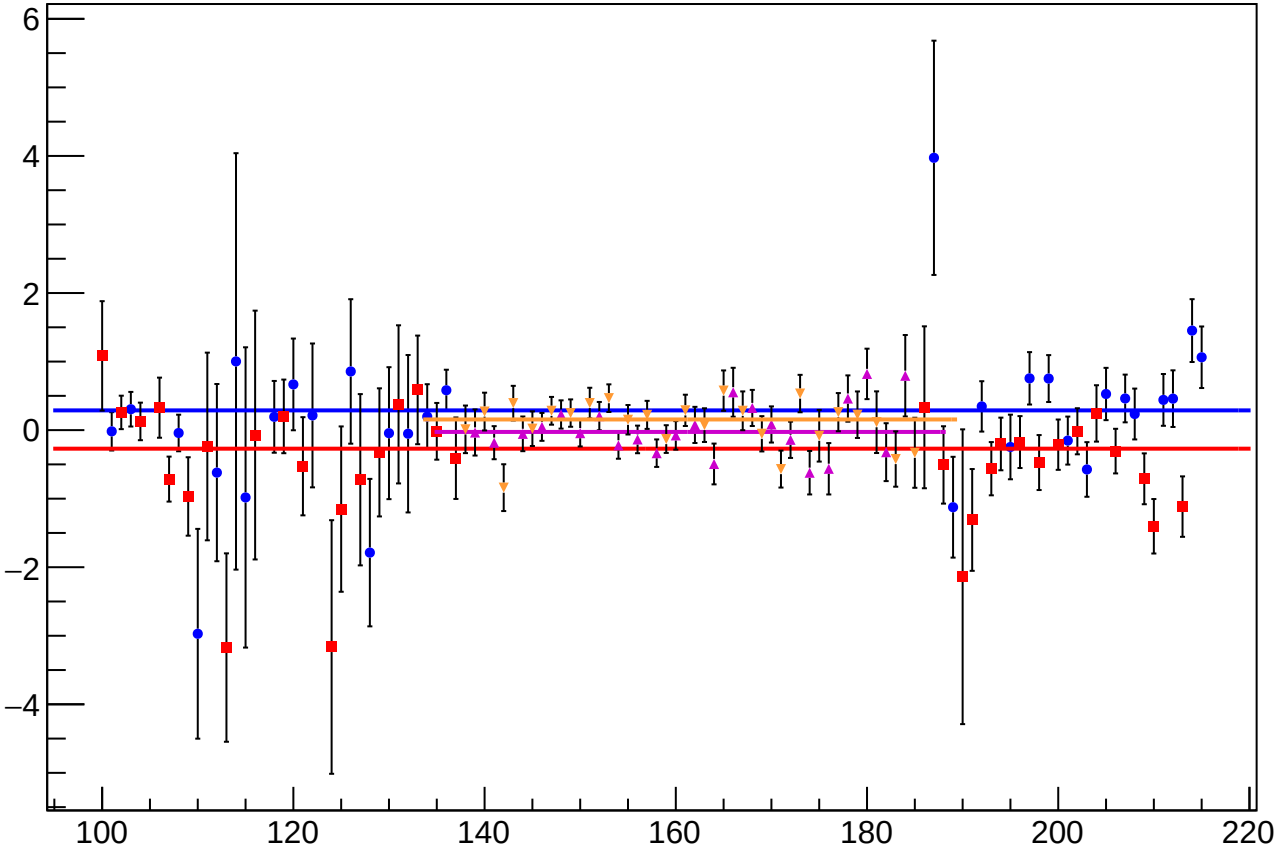
In: 0.514+/-0.995 χ^2/NDF:58.8/53

Out: -0.740+/-0.972 χ^2/NDF:78.7/58

All: -0.128+/-0.695 χ^2/NDF: 138.4/112


diff_targ_positionY_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
220
Right In: 5724.048+/-0.951 χ²/NDF: 1875803.6/30
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5539.920+/-0.937 χ²/NDF: 2681890.0/33
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 5630.675+/-0.668 χ²/NDF: 4576708.1/64
In: 5971.573+/-0.703 χ²/NDF:2530210.4/53
Out: 5859.198+/-0.688 χ²/NDF:3465513.6/58
All: 5914.102+/-0.492 χ²/NDF: 6008774.4/11

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.288+/-0.079 χ^2/NDF: 43.4/30

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.271+/-0.081 χ^2/NDF: 44.7/33

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

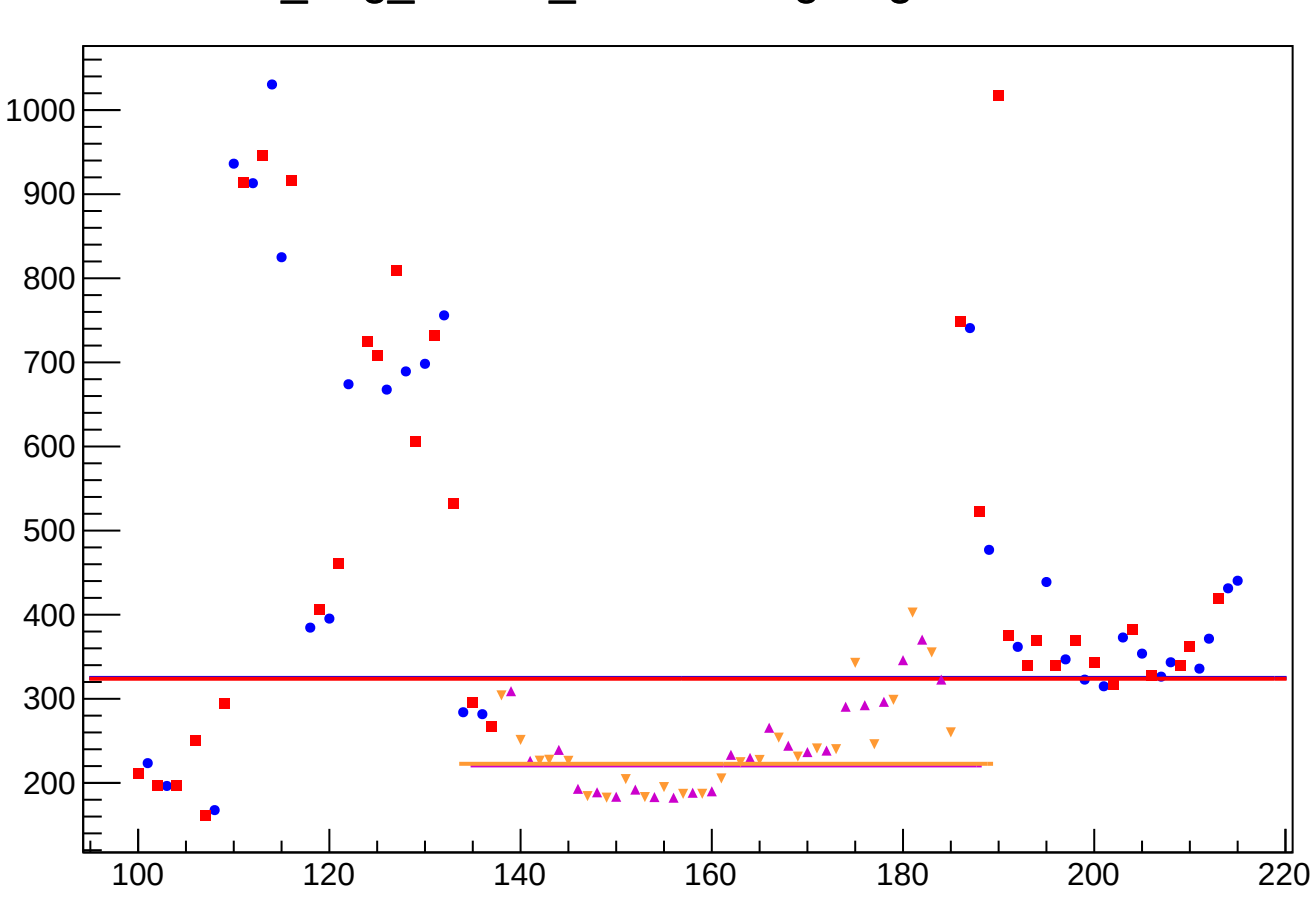
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: 0.014+/-0.057 χ^2/NDF: 112.4/64

In: 0.070+/-0.044 χ^2/NDF:84.1/53

Out: 0.031+/-0.044 χ^2/NDF:96.6/58

All: 0.051+/-0.031 χ^2/NDF: 181.1/112



Right In: 324.833+/-0.056 χ^2/NDF: 4433664.7/30

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 323.867+/-0.057 χ^2/NDF: 4825810.9/33

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

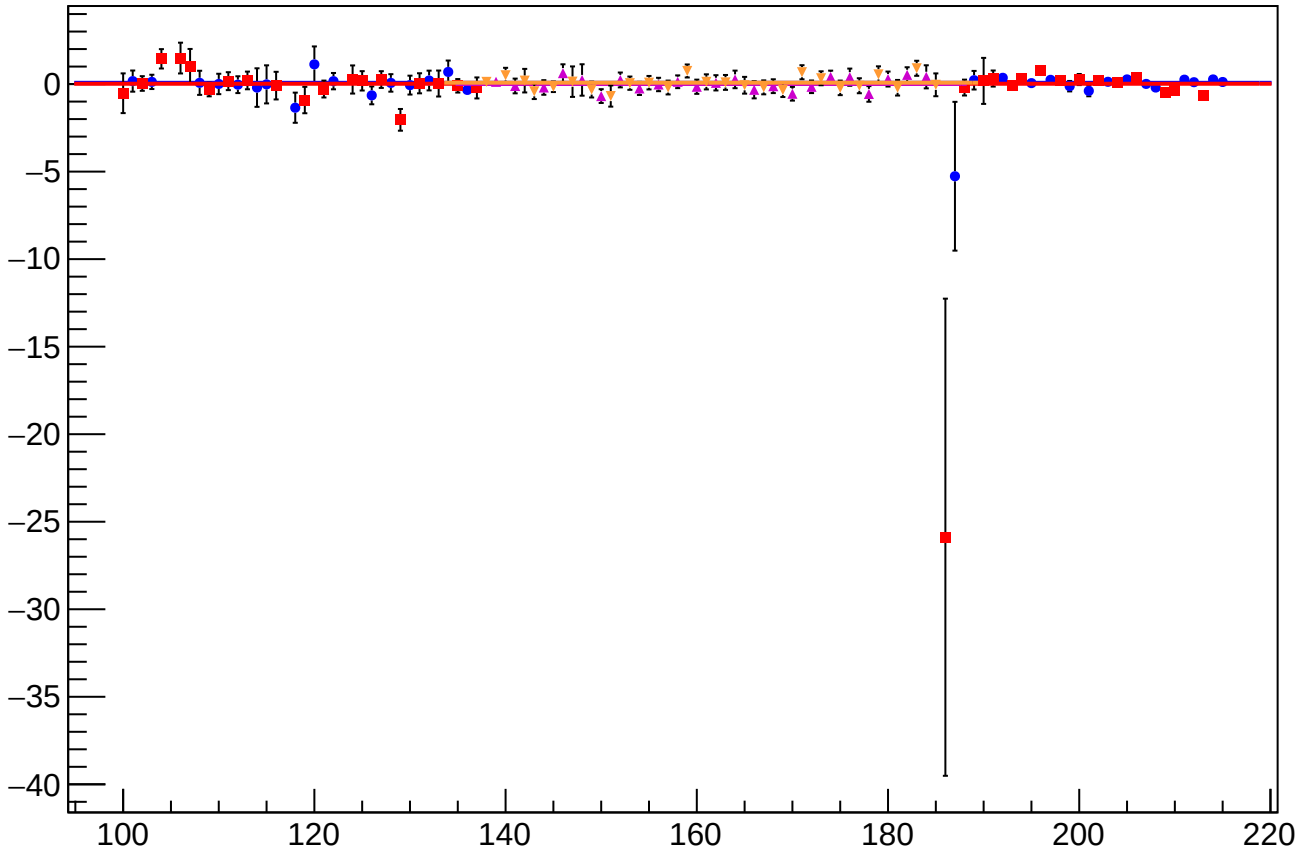
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 324.360+/-0.040 χ^2/NDF: 9259621.1/64

In: 252.874+/-0.031 χ^2/NDF:8283496.3/53

Out: 252.206+/-0.031 χ^2/NDF:8490007.0/58

All: 252.537+/-0.022 χ^2/NDF: 16773735.1/11



Right In: 0.072+/-0.059 χ^2/NDF: 18.8/30

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.018+/-0.064 χ^2/NDF: 60.0/33

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

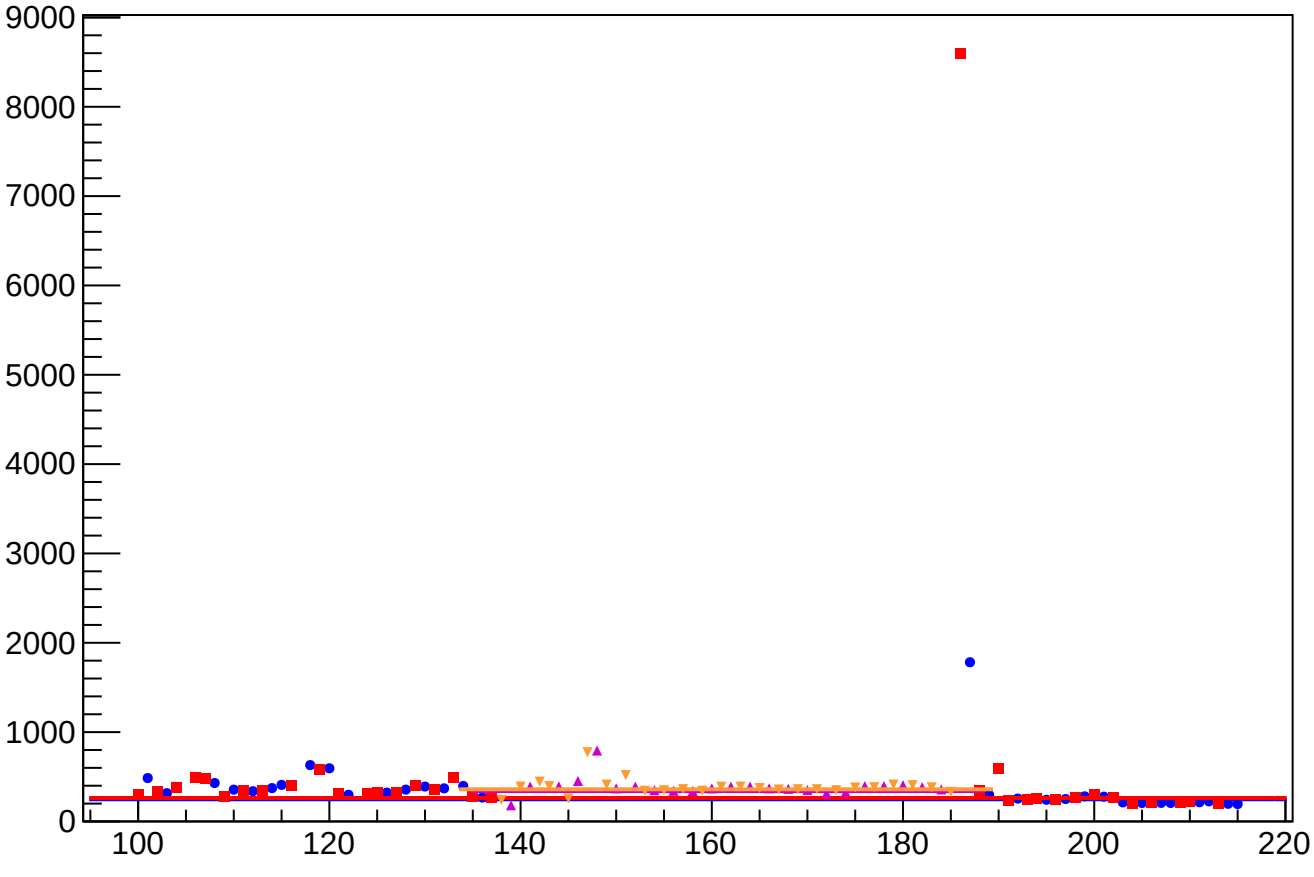
Right: 0.047+/-0.043 χ^2/NDF: 79.2/64

In: 0.050+/-0.048 χ^2/NDF:34.4/53

Out: 0.041+/-0.051 χ^2/NDF:79.3/58

All: 0.046+/-0.035 χ^2/NDF: 113.8/112

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 248.458+/-0.042 χ^2/NDF: 2737782.3/30

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 262.692+/-0.045 χ^2/NDF: 2890194.6/33

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

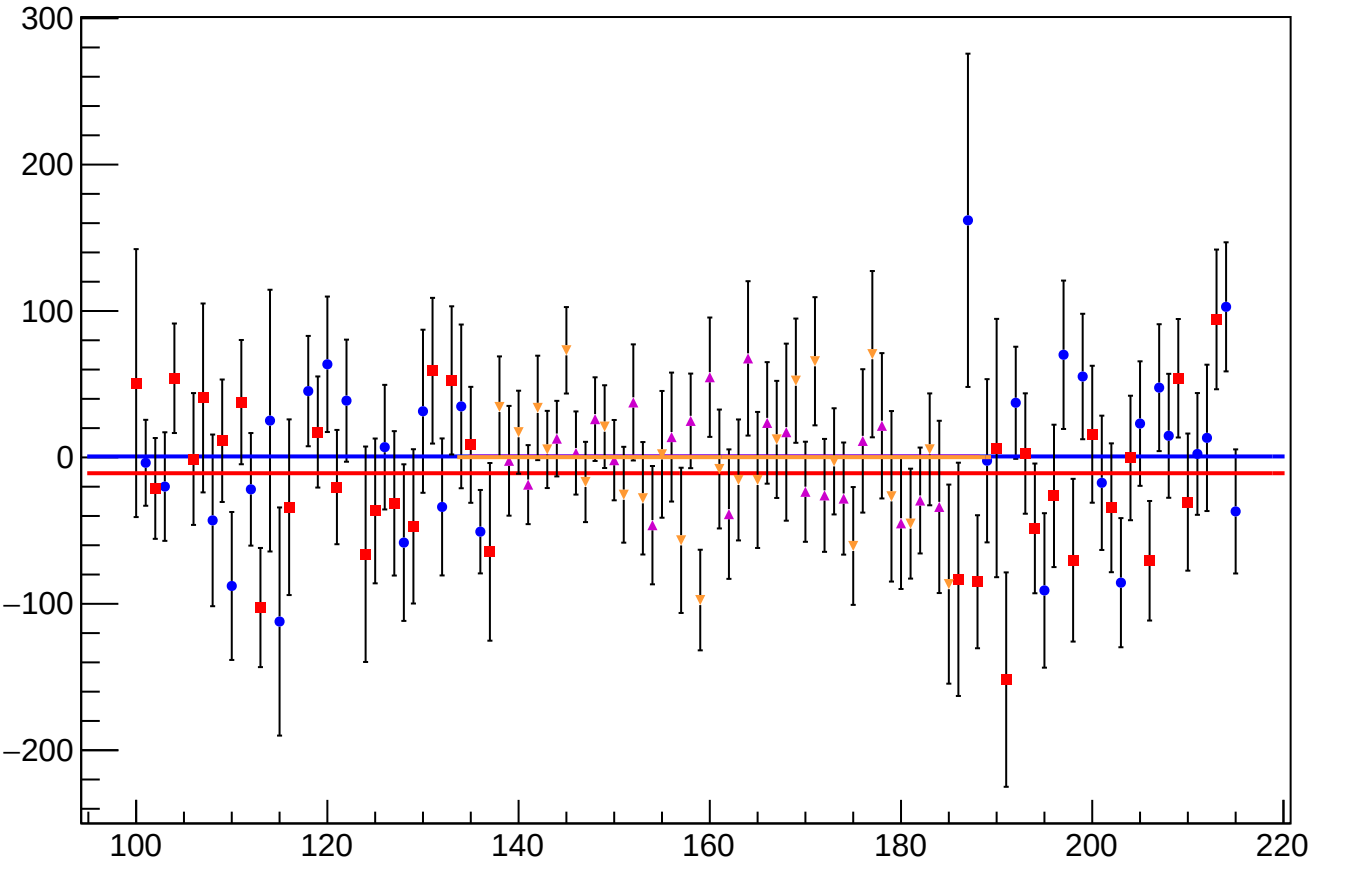
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 255.044+/-0.031 χ^2/NDF: 5681352.9/64

In: 279.467+/-0.034 χ^2/NDF:6579616.7/53

Out: 298.181+/-0.036 χ^2/NDF:5923482.9/58

All: 288.312+/-0.025 χ^2/NDF: 12645613.4/11



Right In: 0.663+/-8.013 χ^2/NDF: 37.5/30

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -10.804+/-8.091 χ^2/NDF: 37.4/33

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

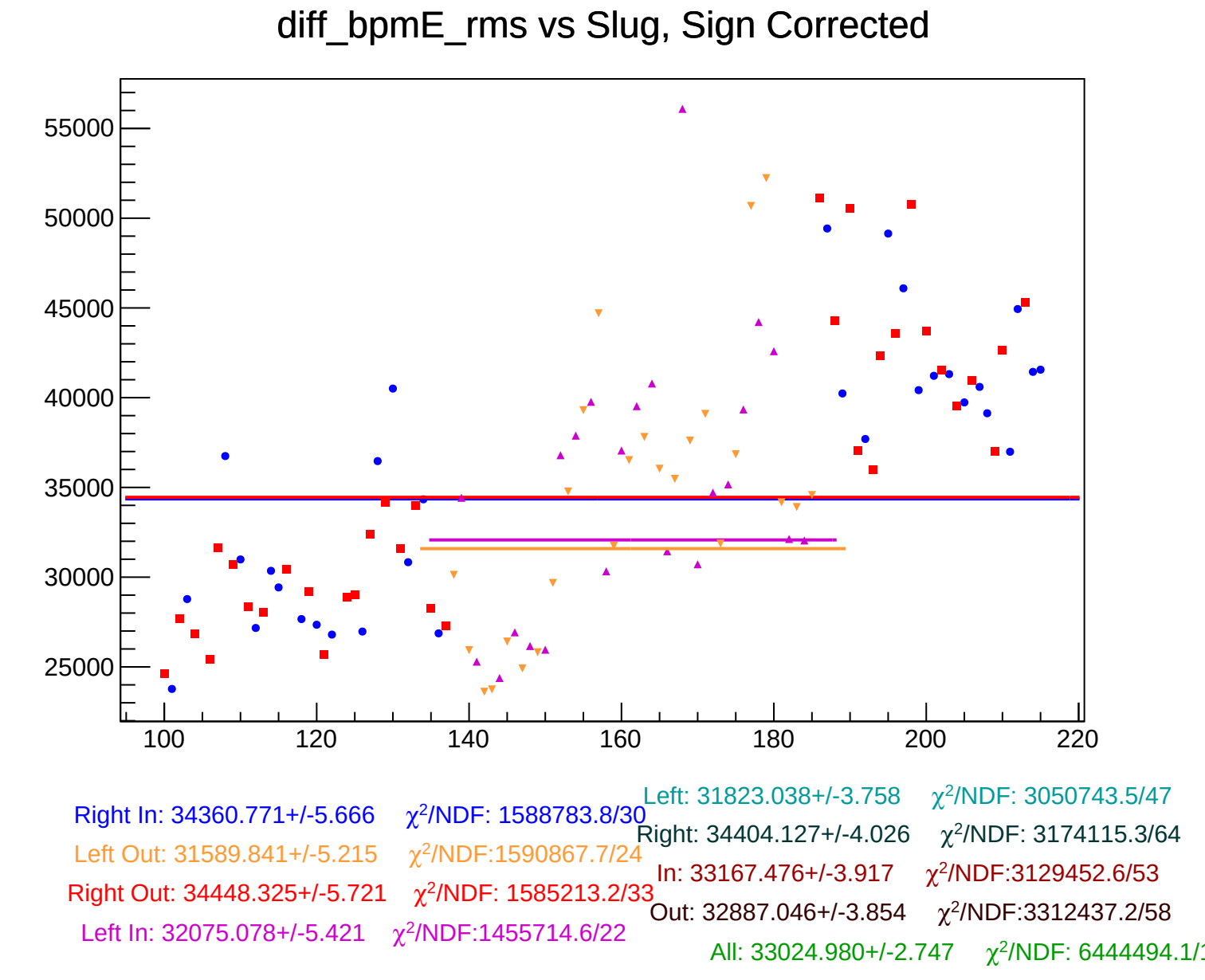
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

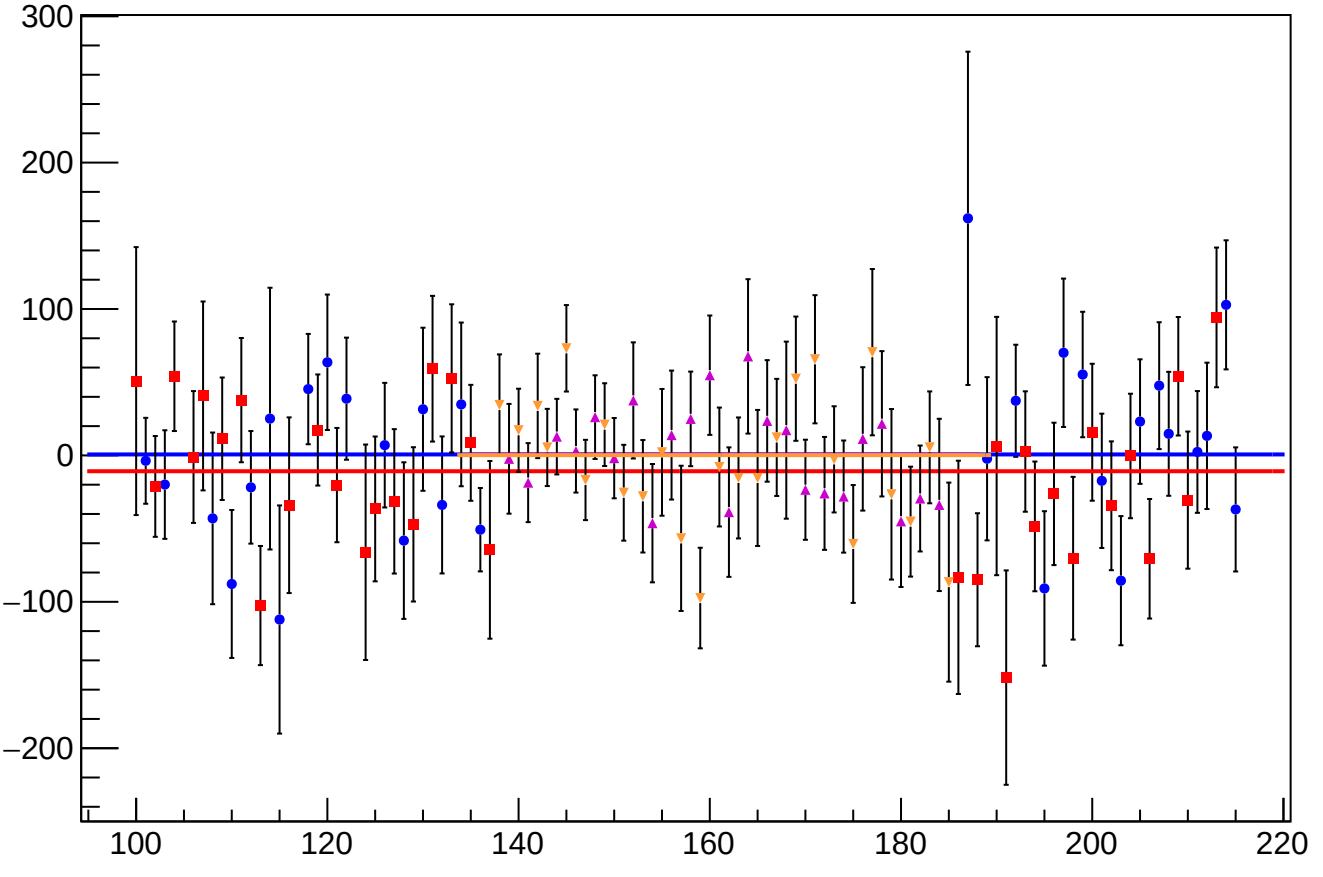
Right: -5.015+/-5.693 χ^2/NDF: 75.9/64

In: 0.623+/-5.540 χ^2/NDF:50.3/53

Out: -4.811+/-5.450 χ^2/NDF:69.6/58

All: -2.138+/-3.885 χ^2/NDF: 120.3/112


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34360.771+/-5.666 χ²/NDF: 1588783.8/30
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 34448.325+/-5.721 χ²/NDF: 1585213.2/33
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34404.127+/-4.026 χ²/NDF: 3174115.3/64
In: 33167.476+/-3.917 χ²/NDF:3129452.6/53
Out: 32887.046+/-3.854 χ²/NDF:3312437.2/58
All: 33024.980+/-2.747 χ²/NDF: 6444494.1/



Right In: 0.663+/-8.013 χ^2/NDF: 37.5/30

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -10.804+/-8.091 χ^2/NDF: 37.4/33

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

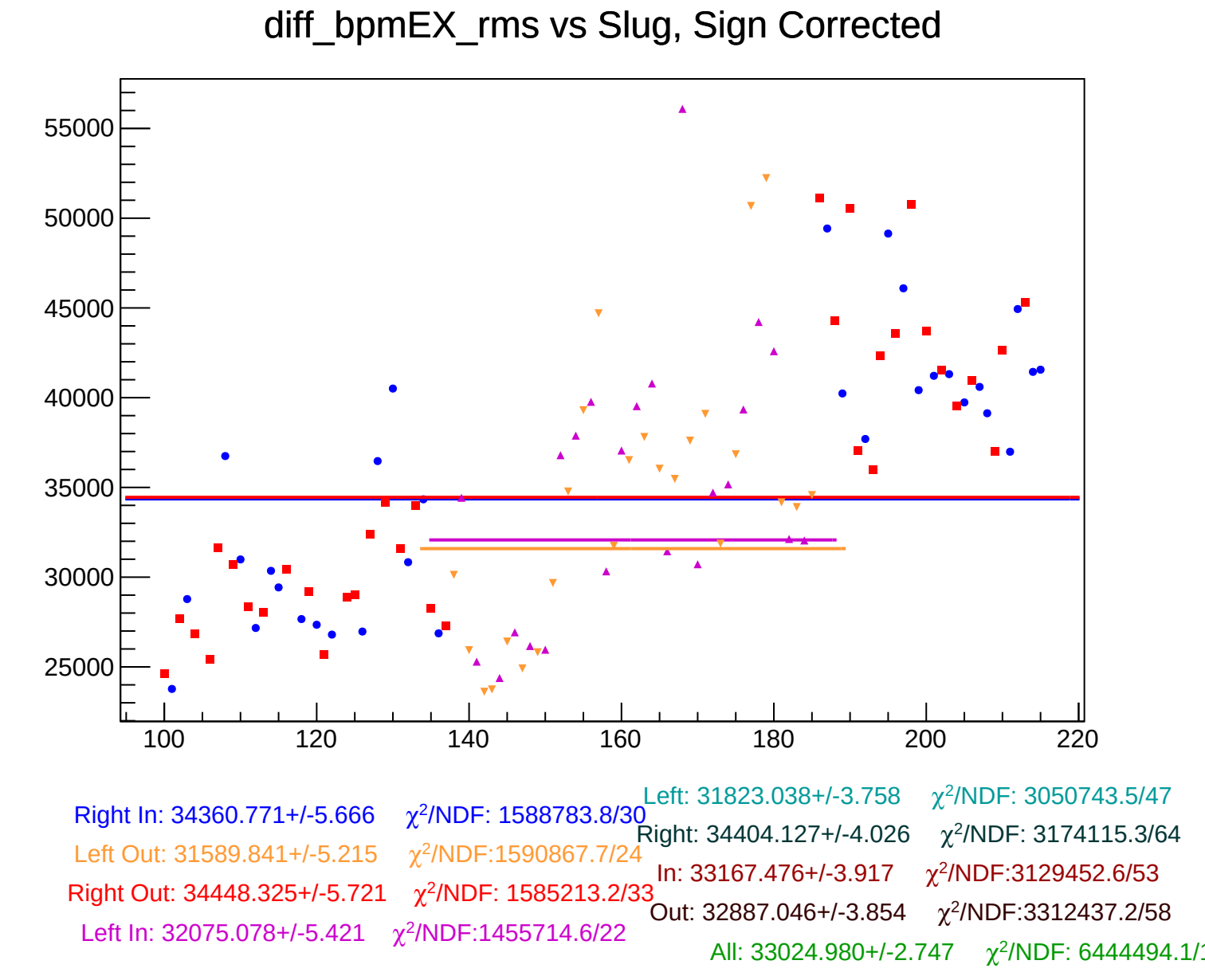
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -5.015+/-5.693 χ^2/NDF: 75.9/64

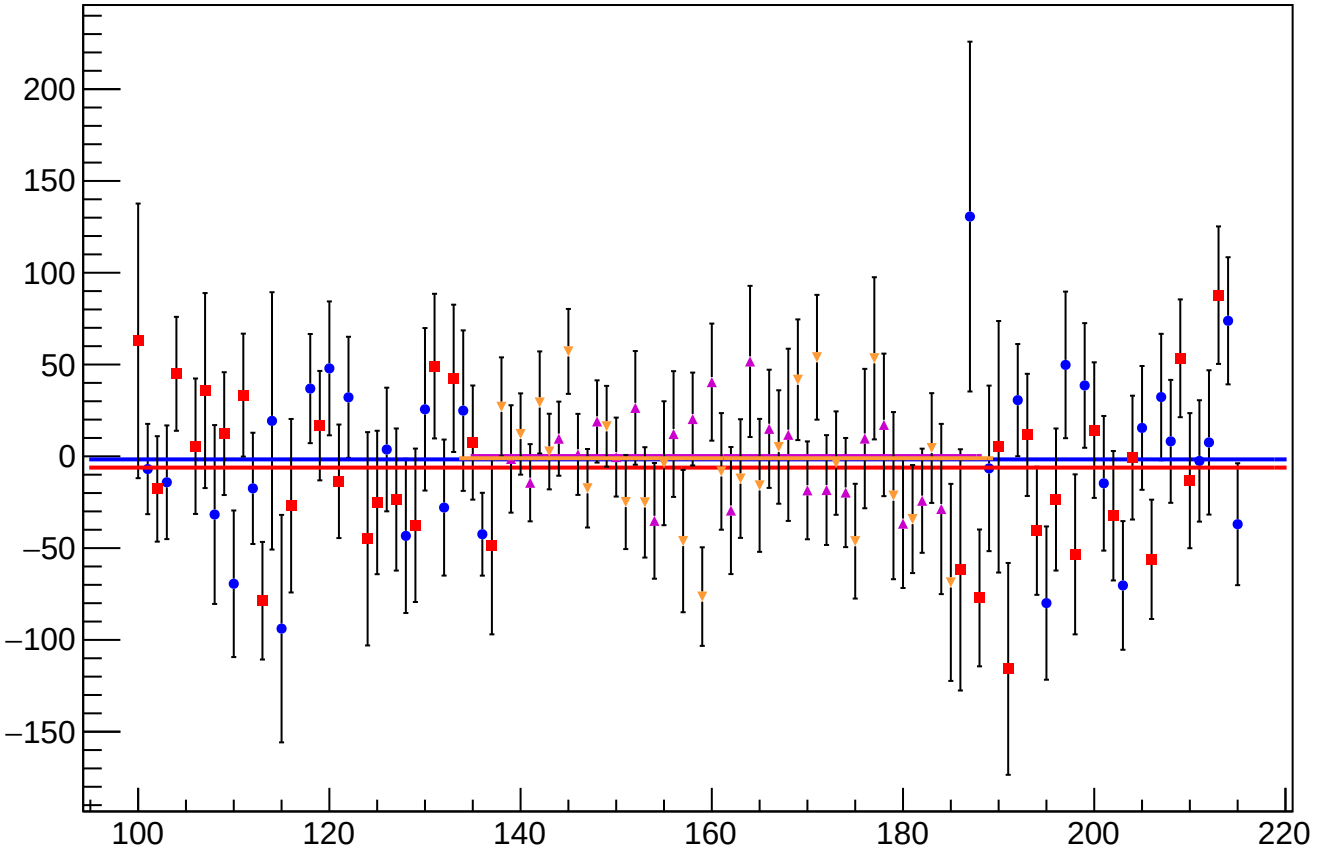
In: 0.623+/-5.540 χ^2/NDF:50.3/53

Out: -4.811+/-5.450 χ^2/NDF:69.6/58

All: -2.138+/-3.885 χ^2/NDF: 120.3/112


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34360.771+/-5.666 χ²/NDF: 1588783.8/30
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 34448.325+/-5.721 χ²/NDF: 1585213.2/33
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34404.127+/-4.026 χ²/NDF: 3174115.3/64
In: 33167.476+/-3.917 χ²/NDF:3129452.6/53
Out: 32887.046+/-3.854 χ²/NDF:3312437.2/58
All: 33024.980+/-2.747 χ²/NDF: 6444494.1/

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -1.666+/-6.389 χ^2/NDF: 37.0/30

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -6.141+/-6.456 χ^2/NDF: 41.6/33

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

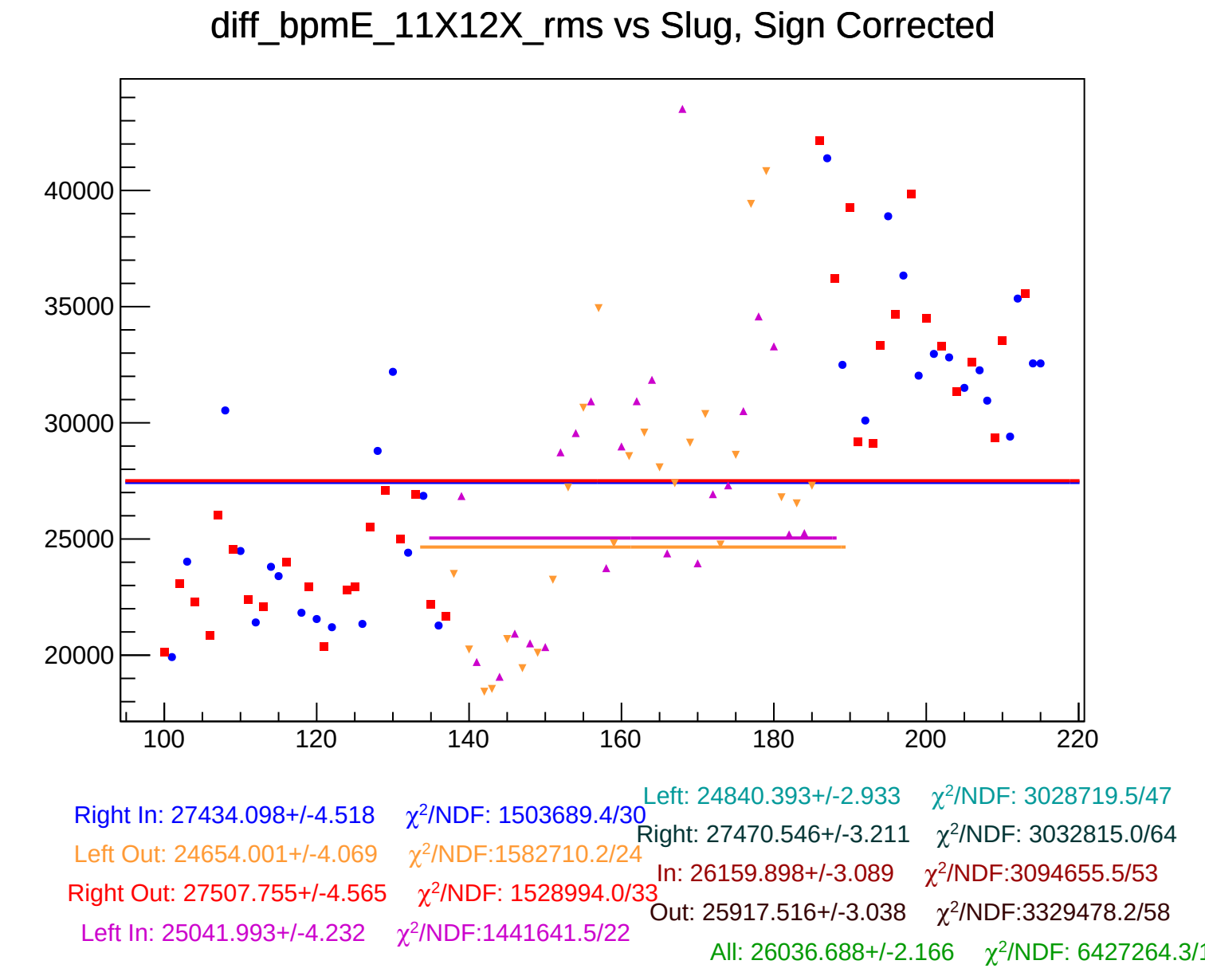
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -3.880+/-4.541 χ^2/NDF: 78.9/64

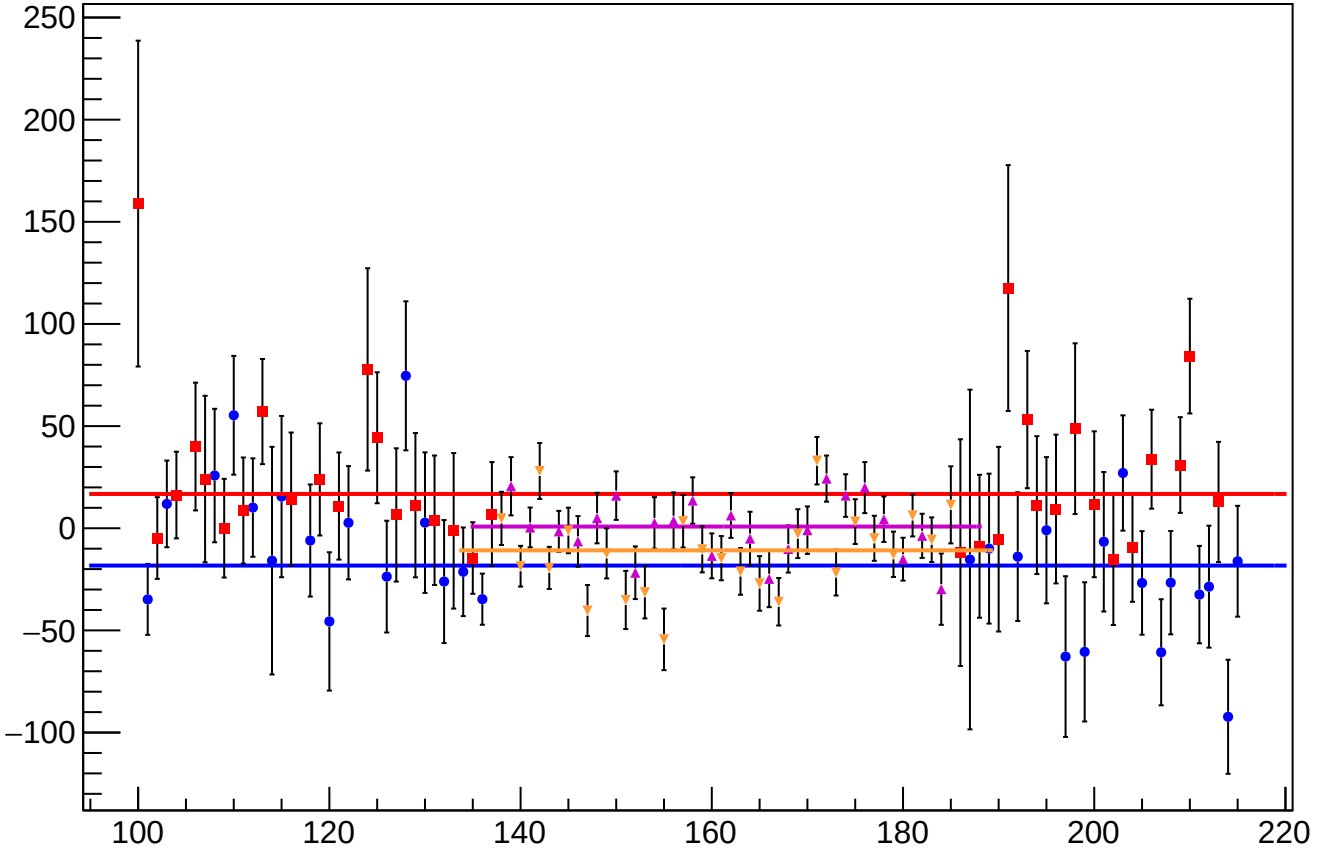
In: -0.700+/-4.368 χ^2/NDF:49.2/53

Out: -3.299+/-4.296 χ^2/NDF:74.3/58

All: -2.022+/-3.063 χ^2/NDF: 123.6/112


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
220
Right In: 27434.098+/-4.518 χ²/NDF: 1503689.4/30
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 27507.755+/-4.565 χ²/NDF: 1528994.0/33
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 27470.546+/-3.211 χ²/NDF: 3032815.0/64
In: 26159.898+/-3.089 χ²/NDF:3094655.5/53
Out: 25917.516+/-3.038 χ²/NDF:3329478.2/58
All: 26036.688+/-2.166 χ²/NDF: 6427264.3/1

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -18.268+/-4.832 χ^2/NDF: 39.7/30

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 16.785+/-5.086 χ^2/NDF: 28.5/33

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

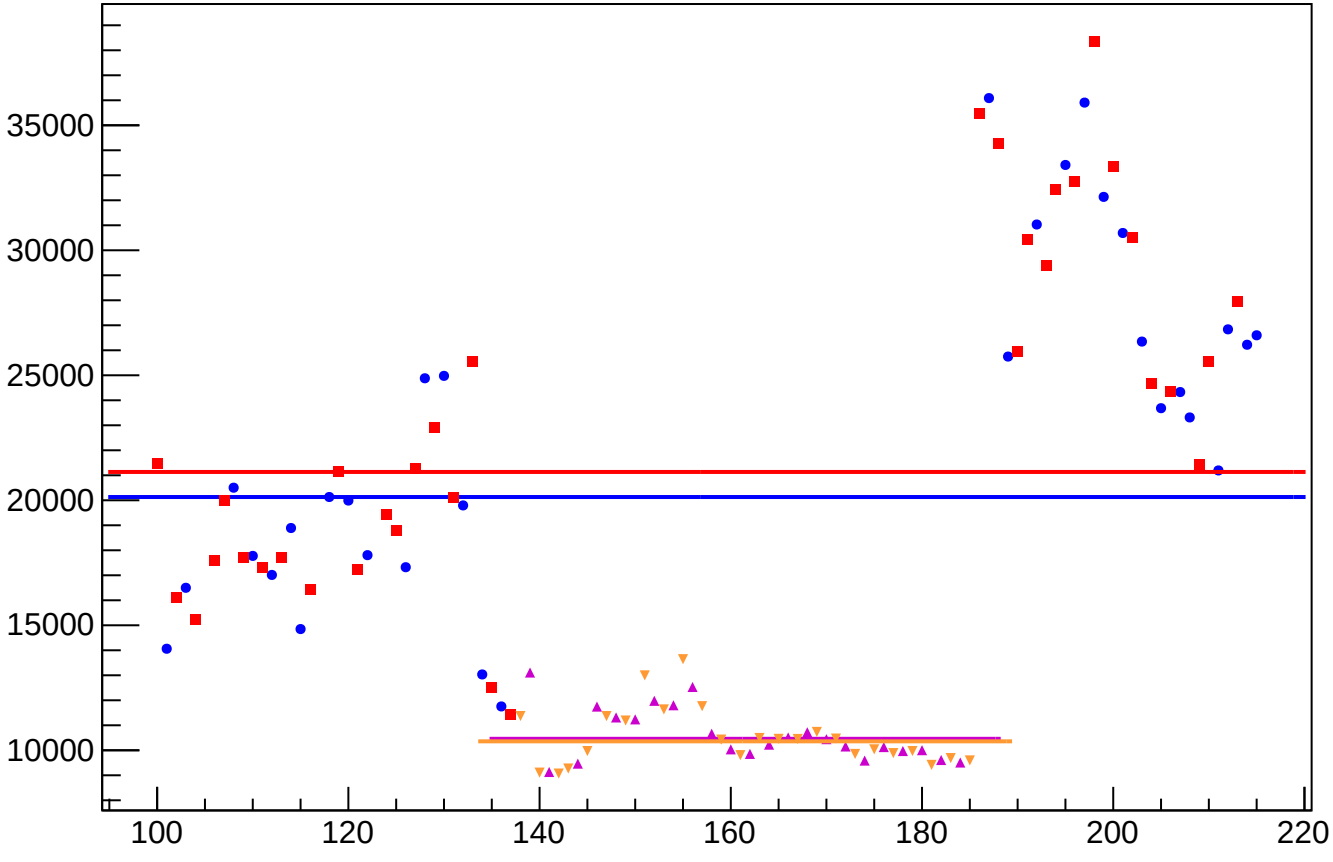
Right: -1.636+/-3.503 χ^2/NDF: 93.1/64

In: -3.096+/-2.190 χ^2/NDF:81.4/53

Out: -5.895+/-2.148 χ^2/NDF:114.0/58

All: -4.523+/-1.534 χ^2/NDF: 196.3/112

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 20130.728+/-3.417 χ^2/NDF: 3537295.5/30

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 21133.304+/-3.596 χ^2/NDF: 3342112.2/33

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

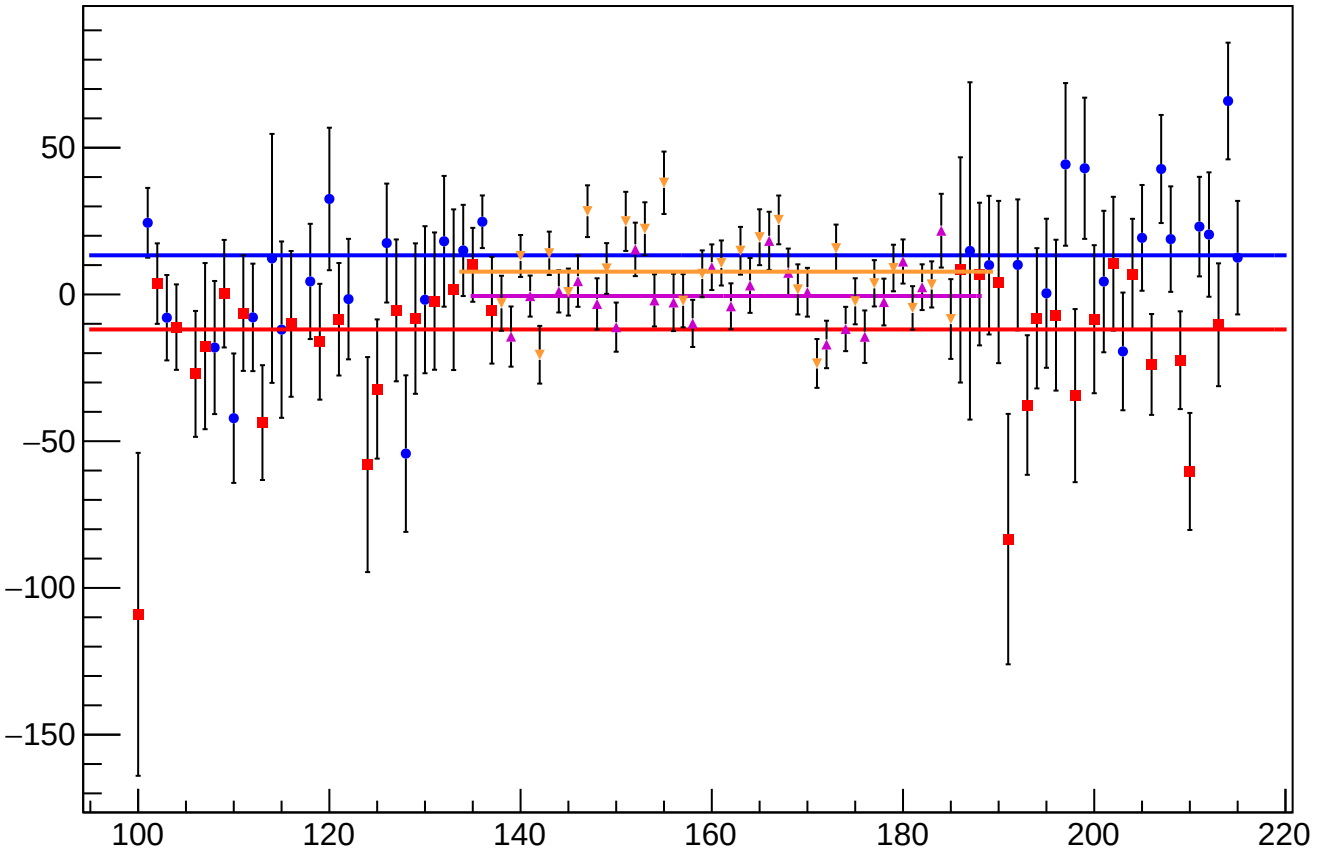
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 20606.431+/-2.477 χ^2/NDF: 6920254.1/64

In: 12445.763+/-1.549 χ^2/NDF:10217585.5/53

Out: 12281.302+/-1.519 χ^2/NDF:11080601.6/58

All: 12361.950+/-1.085 χ^2/NDF: 21303934.1



Right In: 13.340+/-3.449 χ^2/NDF: 39.2/30

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -11.920+/-3.637 χ^2/NDF: 28.8/33

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

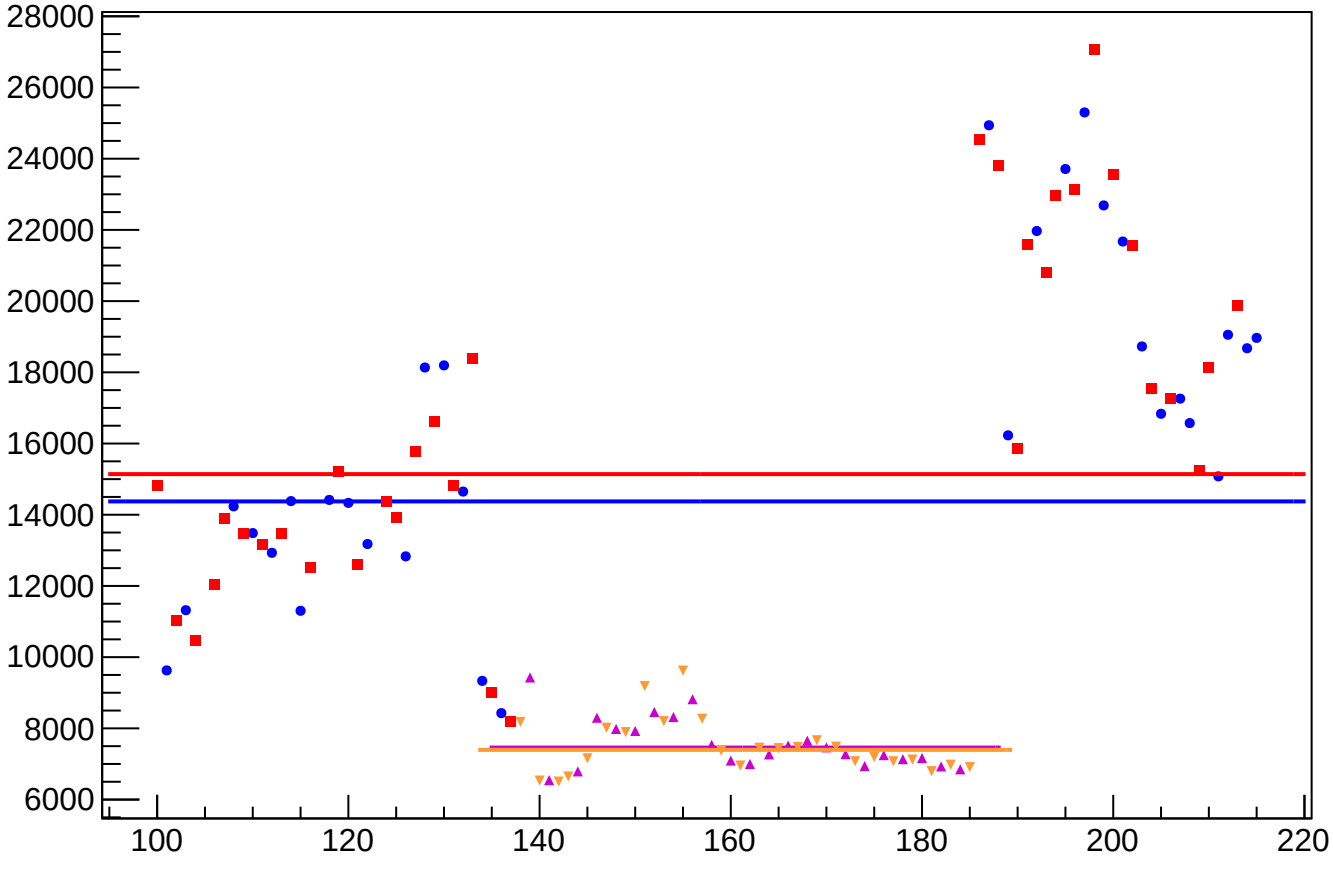
Right: 1.377+/-2.503 χ^2/NDF: 93.4/64

In: 2.313+/-1.562 χ^2/NDF:81.5/53

Out: 4.263+/-1.534 χ^2/NDF:113.8/58

All: 3.306+/-1.094 χ^2/NDF: 196.2/112

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 14373.934+/-2.439 χ^2/NDF: 3470788.3/30

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 15141.042+/-2.572 χ^2/NDF: 3213845.0/33

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

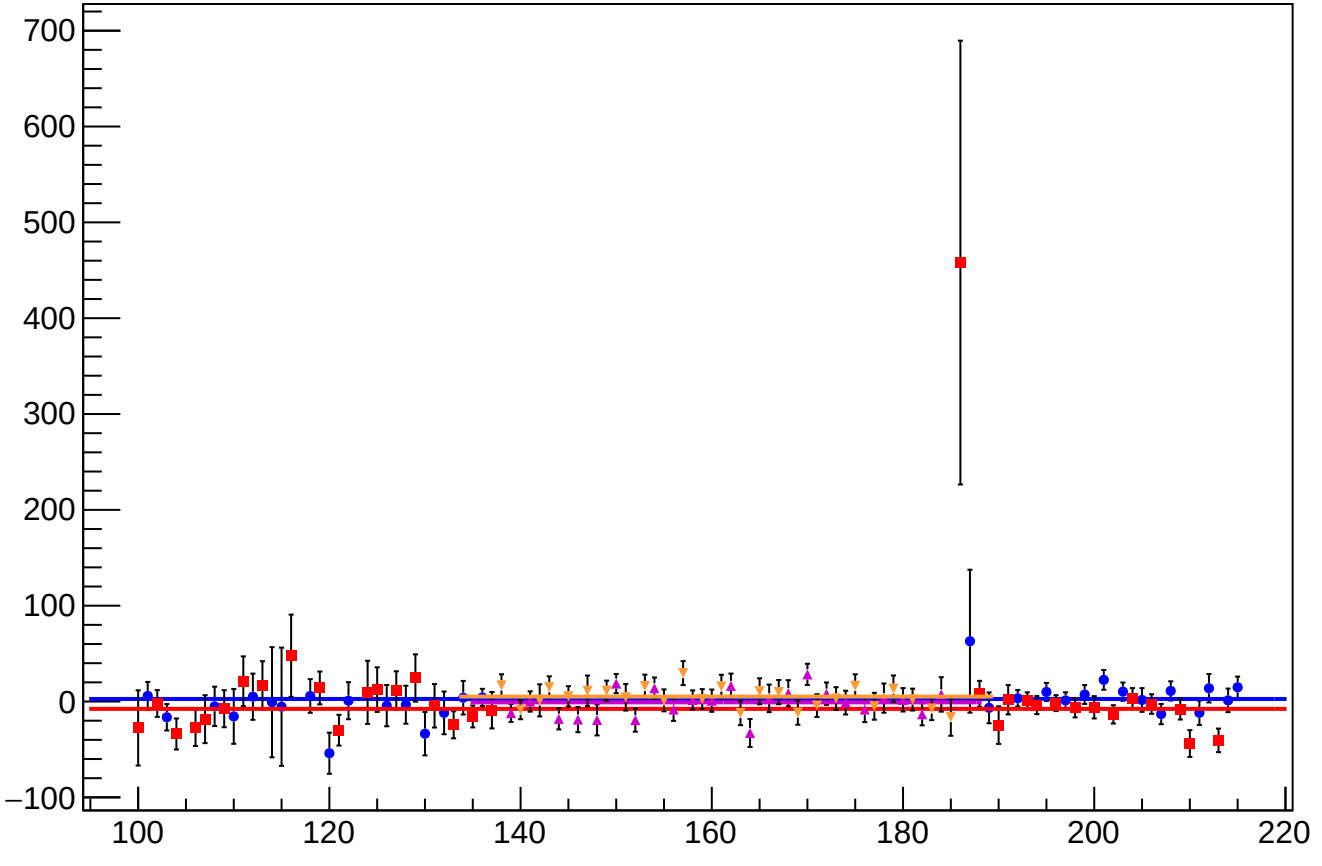
Right: 14737.221+/-1.770 χ^2/NDF: 6731475.2/64

In: 8878.424+/-1.105 χ^2/NDF:10140533.8/53

Out: 8773.139+/-1.084 χ^2/NDF:10996411.4/58

All: 8824.818+/-0.774 χ^2/NDF: 21141571.5/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 2.677+/-2.408 χ^2/NDF: 25.0/30

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -7.655+/-2.424 χ^2/NDF: 41.0/33

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

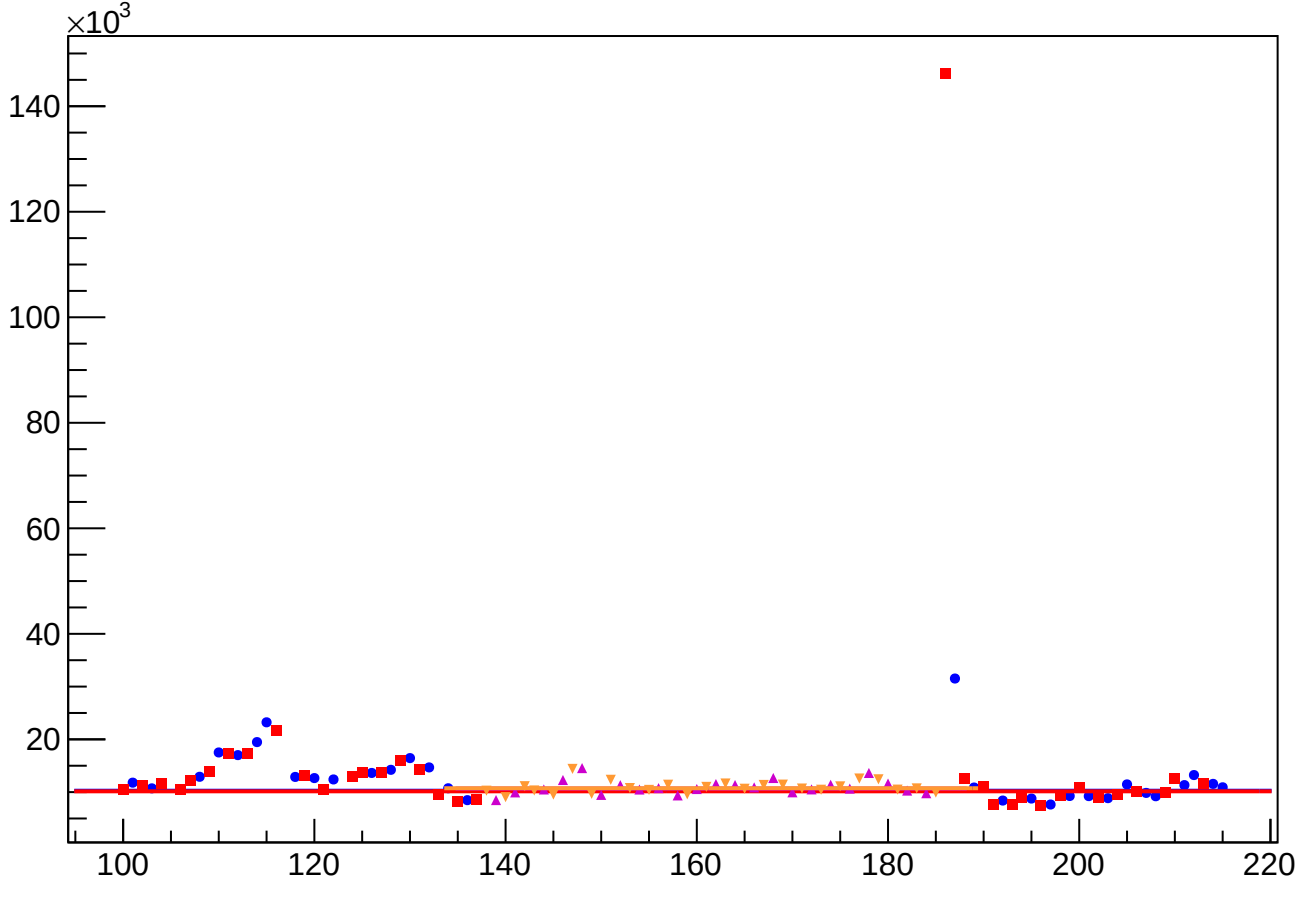
Right: -2.454+/-1.708 χ^2/NDF: 75.2/64

In: 0.973+/-1.740 χ^2/NDF:57.8/53

Out: -1.330+/-1.726 χ^2/NDF:73.2/58

All: -0.188+/-1.226 χ^2/NDF: 132.0/112

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 10261.223+/-1.703 χ^2/NDF: 1763631.4/30

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10151.675+/-1.714 χ^2/NDF: 2390995.3/33

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

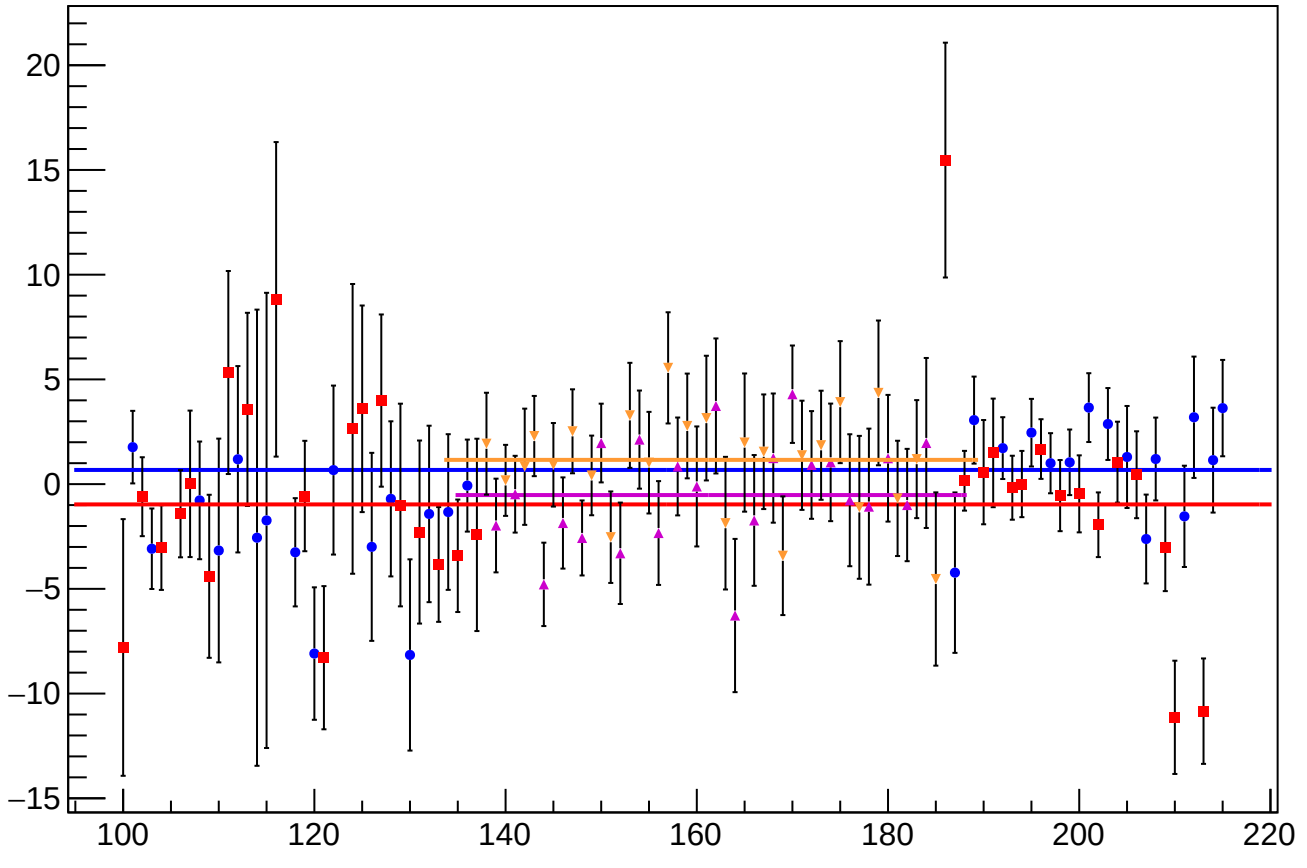
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10206.821+/-1.208 χ^2/NDF: 4156682.8/64

In: 10459.837+/-1.231 χ^2/NDF:2292706.4/53

Out: 10438.566+/-1.221 χ^2/NDF:2816108.5/58

All: 10449.115+/-0.867 χ^2/NDF: 5108965.6/



Right In: 0.677+/-0.419 χ^2/NDF: 35.9/30

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.968+/-0.407 χ^2/NDF: 64.1/33

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

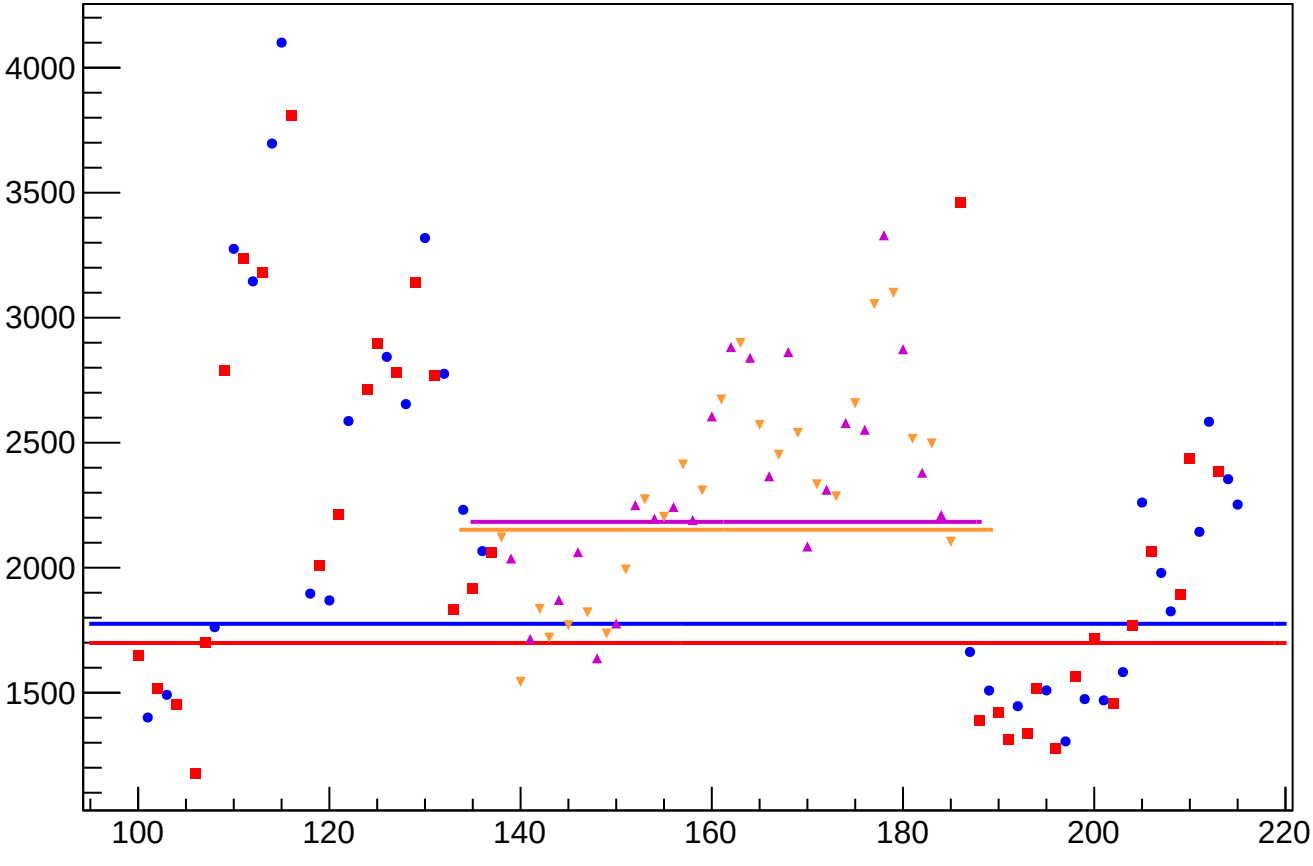
Right: -0.171+/-0.292 χ^2/NDF: 107.9/64

In: 0.204+/-0.326 χ^2/NDF:61.4/53

Out: -0.122+/-0.315 χ^2/NDF:91.8/58

All: 0.035+/-0.227 χ^2/NDF: 153.7/112

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1775.706+/-0.297 χ^2/NDF: 2423851.6/30

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1698.999+/-0.288 χ^2/NDF: 2714047.8/33

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

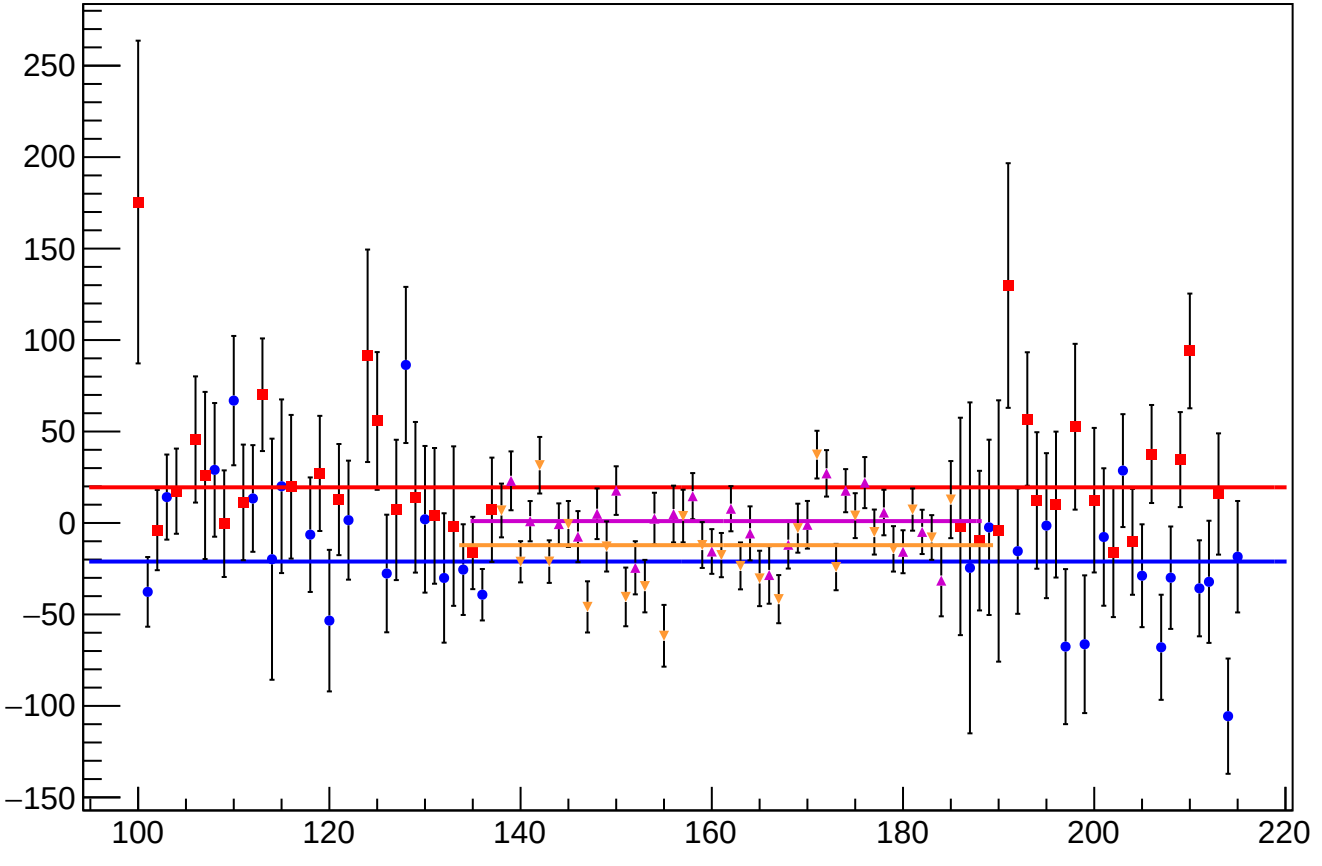
Right: 1736.155+/-0.206 χ^2/NDF: 5172380.4/64

In: 1936.516+/-0.231 χ^2/NDF:4331378.2/53

Out: 1879.160+/-0.223 χ^2/NDF:5050413.6/58

All: 1906.858+/-0.160 χ^2/NDF: 9413712.4/11

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -21.083+/-5.463 χ^2/NDF: 39.4/30

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 19.496+/-5.768 χ^2/NDF: 28.5/33

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

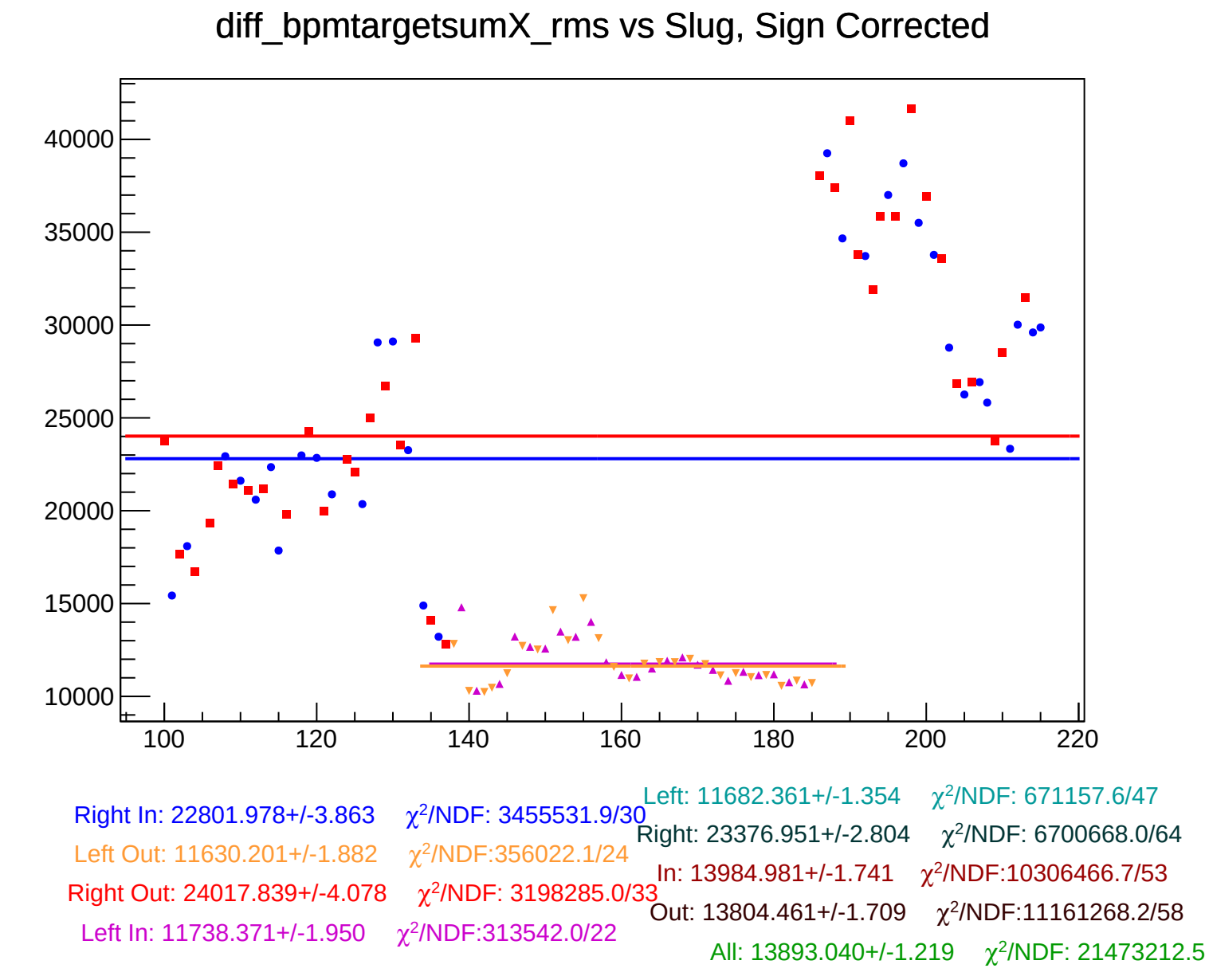
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

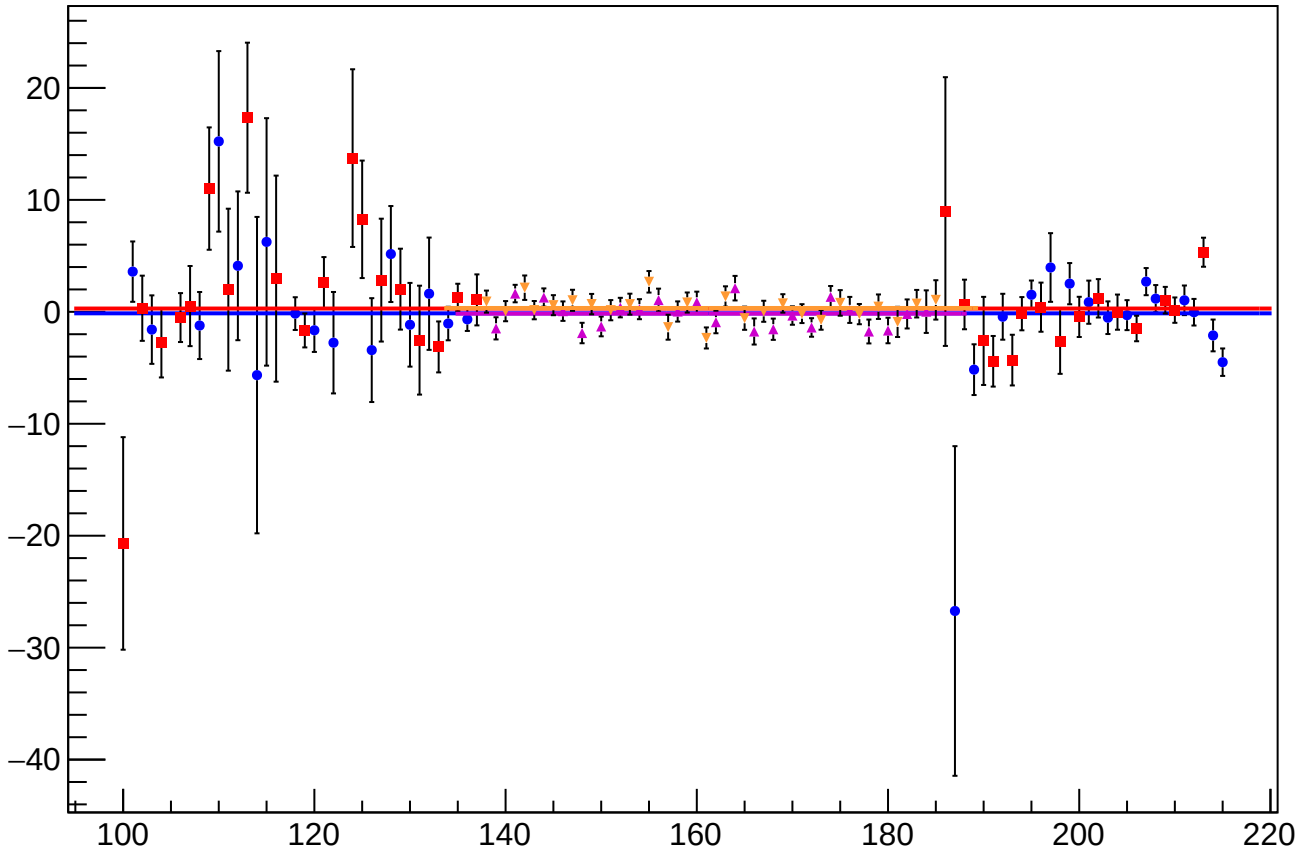
Right: -1.893+/-3.966 χ^2/NDF: 94.0/64

In: -3.465+/-2.462 χ^2/NDF:81.3/53

Out: -6.583+/-2.416 χ^2/NDF:115.9/58

All: -5.053+/-1.724 χ^2/NDF: 198.0/112


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 22801.978+/-3.863 χ²/NDF: 3455531.9/30
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24017.839+/-4.078 χ²/NDF: 3198285.0/33
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 23376.951+/-2.804 χ²/NDF: 6700668.0/64
In: 13984.981+/-1.741 χ²/NDF:10306466.7/53
Out: 13804.461+/-1.709 χ²/NDF:11161268.2/58
All: 13893.040+/-1.219 χ²/NDF: 21473212.5



Right In: -0.134+/-0.327 χ^2/NDF: 46.7/30

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.293+/-0.357 χ^2/NDF: 57.2/33

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

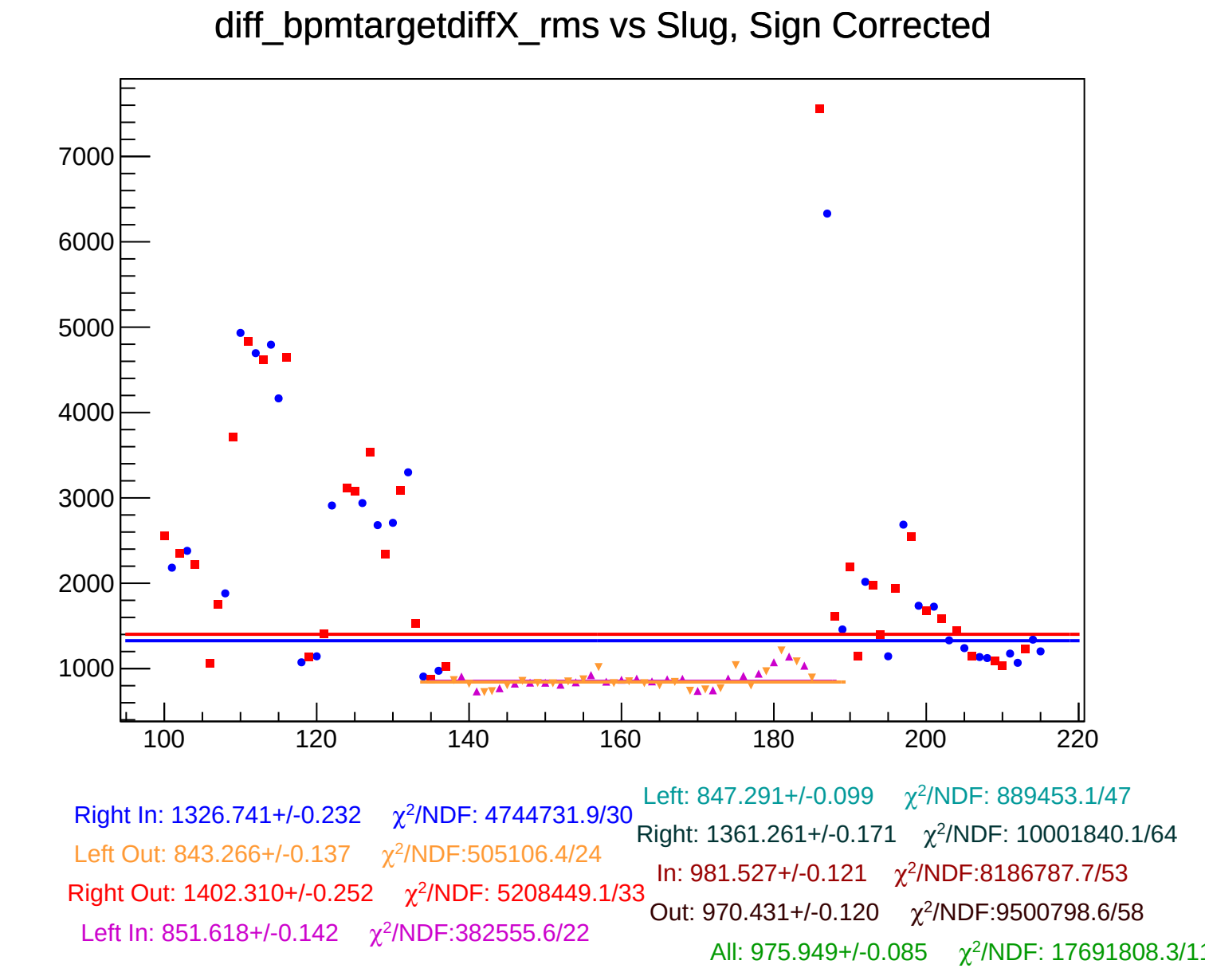
Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

Right: 0.061+/-0.241 χ^2/NDF: 104.7/64

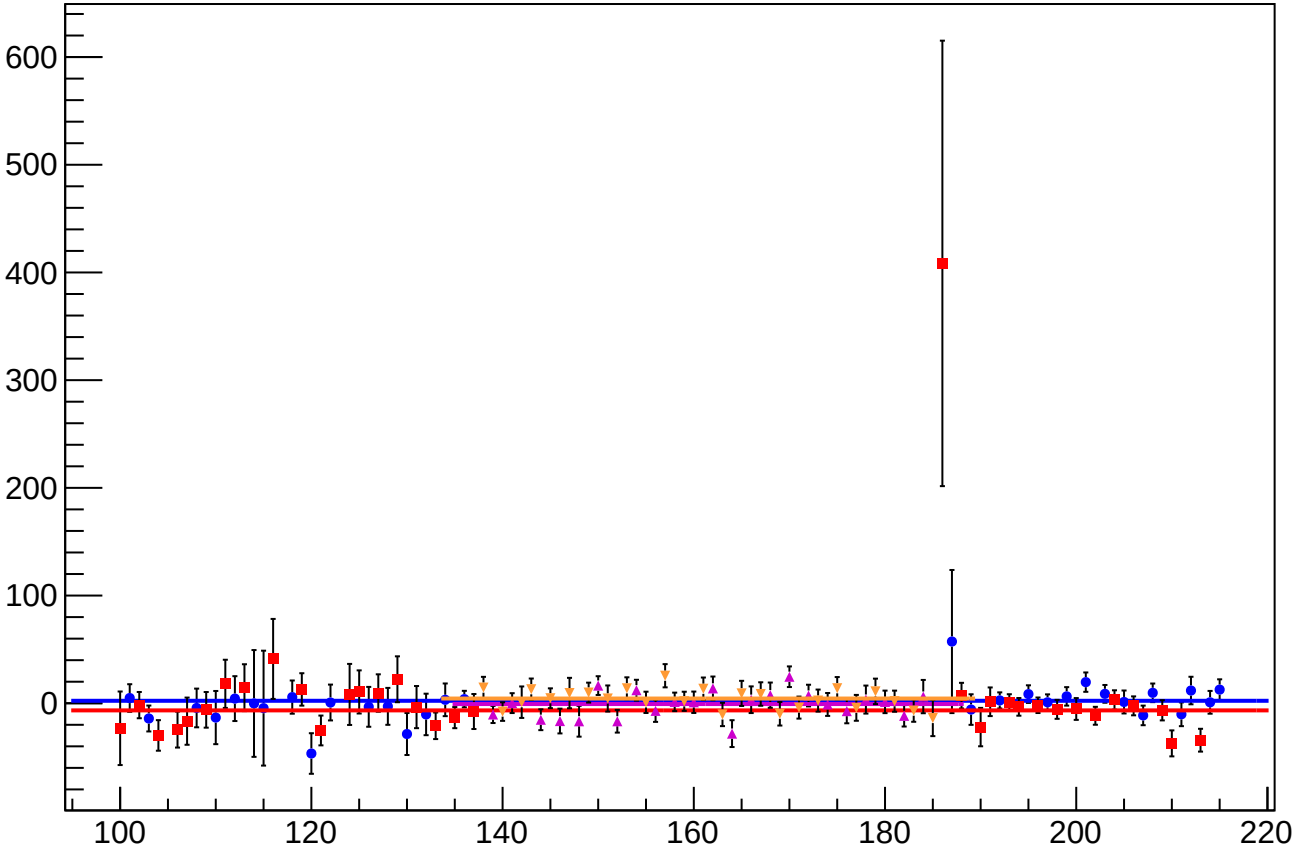
In: -0.157+/-0.171 χ^2/NDF:83.1/53

Out: 0.332+/-0.170 χ^2/NDF:84.0/58

All: 0.089+/-0.121 χ^2/NDF: 171.1/112


diff_bpmtargetdiffX_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1326.741+/-0.232 χ²/NDF: 4744731.9/30
Left Out: 843.266+/-0.137 χ²/NDF:505106.4/24
Right Out: 1402.310+/-0.252 χ²/NDF: 5208449.1/33
Left In: 851.618+/-0.142 χ²/NDF:382555.6/22
Left: 847.291+/-0.099 χ²/NDF: 889453.1/47
Right: 1361.261+/-0.171 χ²/NDF: 10001840.1/64
In: 981.527+/-0.121 χ²/NDF:8186787.7/53
Out: 970.431+/-0.120 χ²/NDF:9500798.6/58
All: 975.949+/-0.085 χ²/NDF: 17691808.3/11

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 2.289+/-2.085 χ^2/NDF: 24.6/30

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -6.622+/-2.103 χ^2/NDF: 40.4/33

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

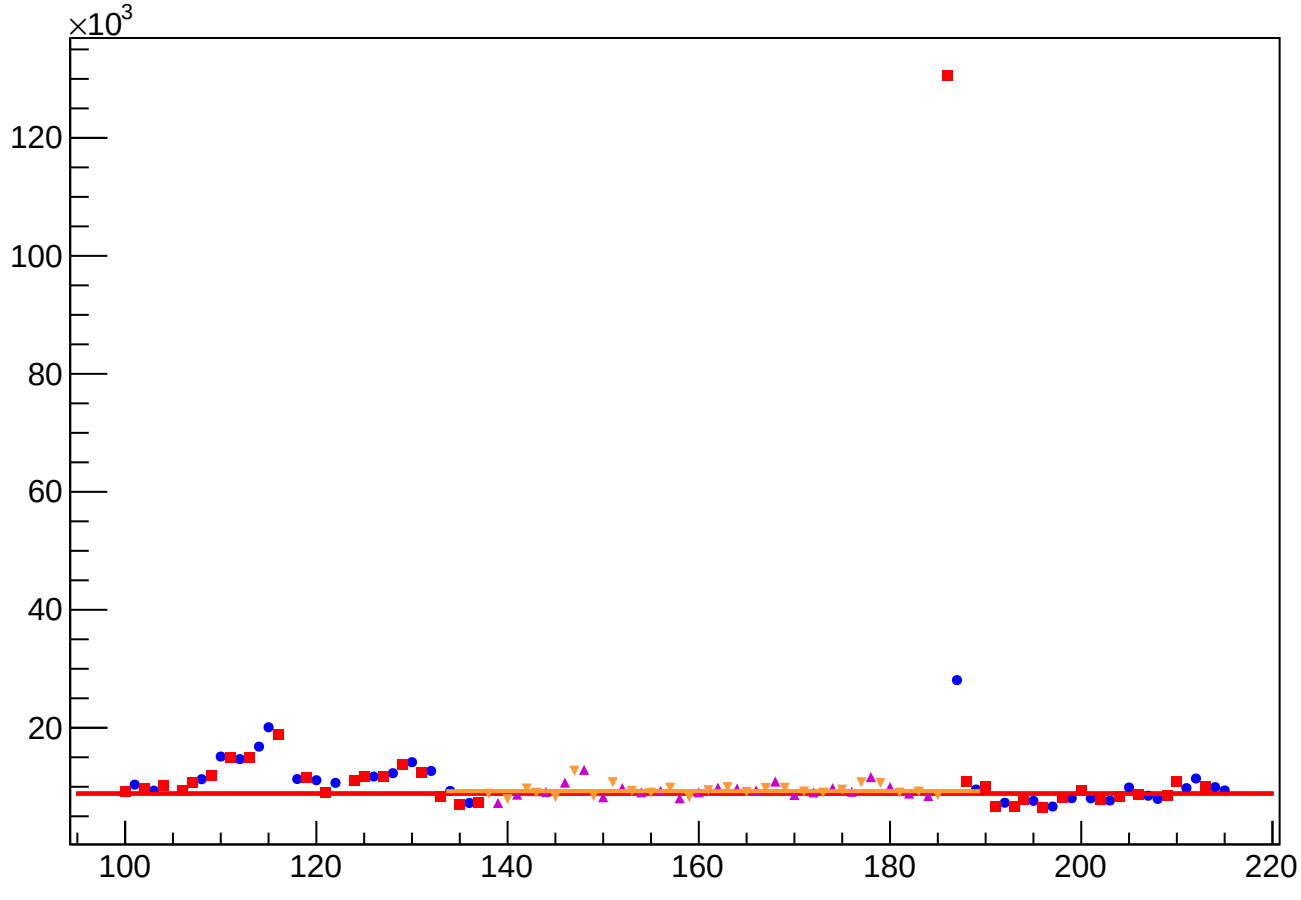
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -2.128+/-1.481 χ^2/NDF: 74.1/64

In: 0.838+/-1.504 χ^2/NDF:57.7/53

Out: -1.167+/-1.494 χ^2/NDF:72.5/58

All: -0.171+/-1.060 χ^2/NDF: 131.1/112



Right In: 8885.111+/-1.474 χ^2/NDF: 1765885.0/30

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8805.698+/-1.487 χ^2/NDF: 2390106.6/33

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

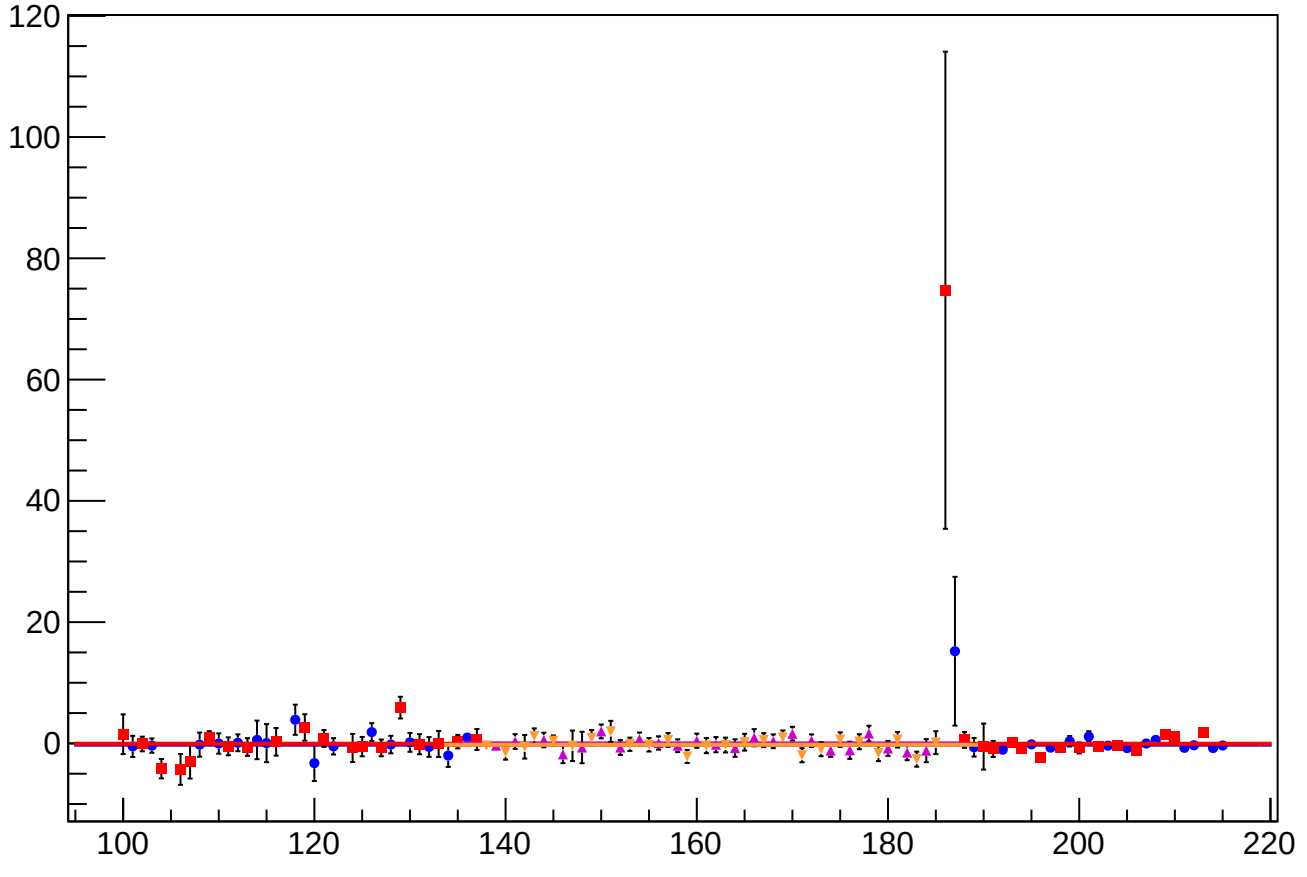
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 8845.749+/-1.047 χ^2/NDF: 4157429.5/64

In: 9036.014+/-1.063 χ^2/NDF:2303208.5/53

Out: 9031.643+/-1.056 χ^2/NDF:2802741.9/58

All: 9033.814+/-0.749 χ^2/NDF: 5105958.9/11



Right In: -0.206+/-0.171 χ^2/NDF: 18.8/30

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.053+/-0.184 χ^2/NDF: 60.0/33

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

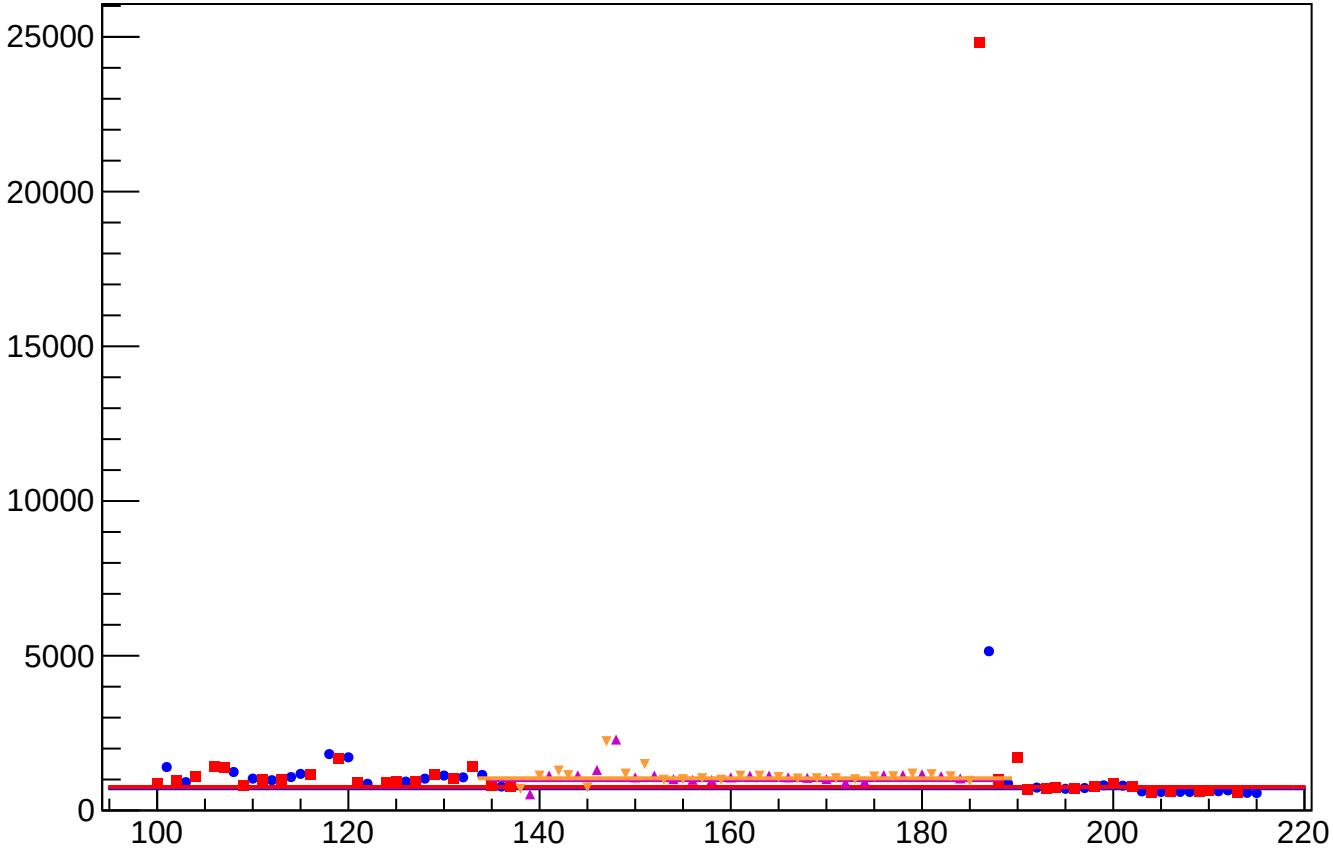
Right: -0.135+/-0.125 χ^2/NDF: 79.2/64

In: -0.145+/-0.139 χ^2/NDF:34.4/53

Out: -0.117+/-0.147 χ^2/NDF:79.3/58

All: -0.132+/-0.101 χ^2/NDF: 113.8/112

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 717.328+/-0.121 χ^2/NDF: 2737782.3/30

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 758.423+/-0.130 χ^2/NDF: 2890194.6/33

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

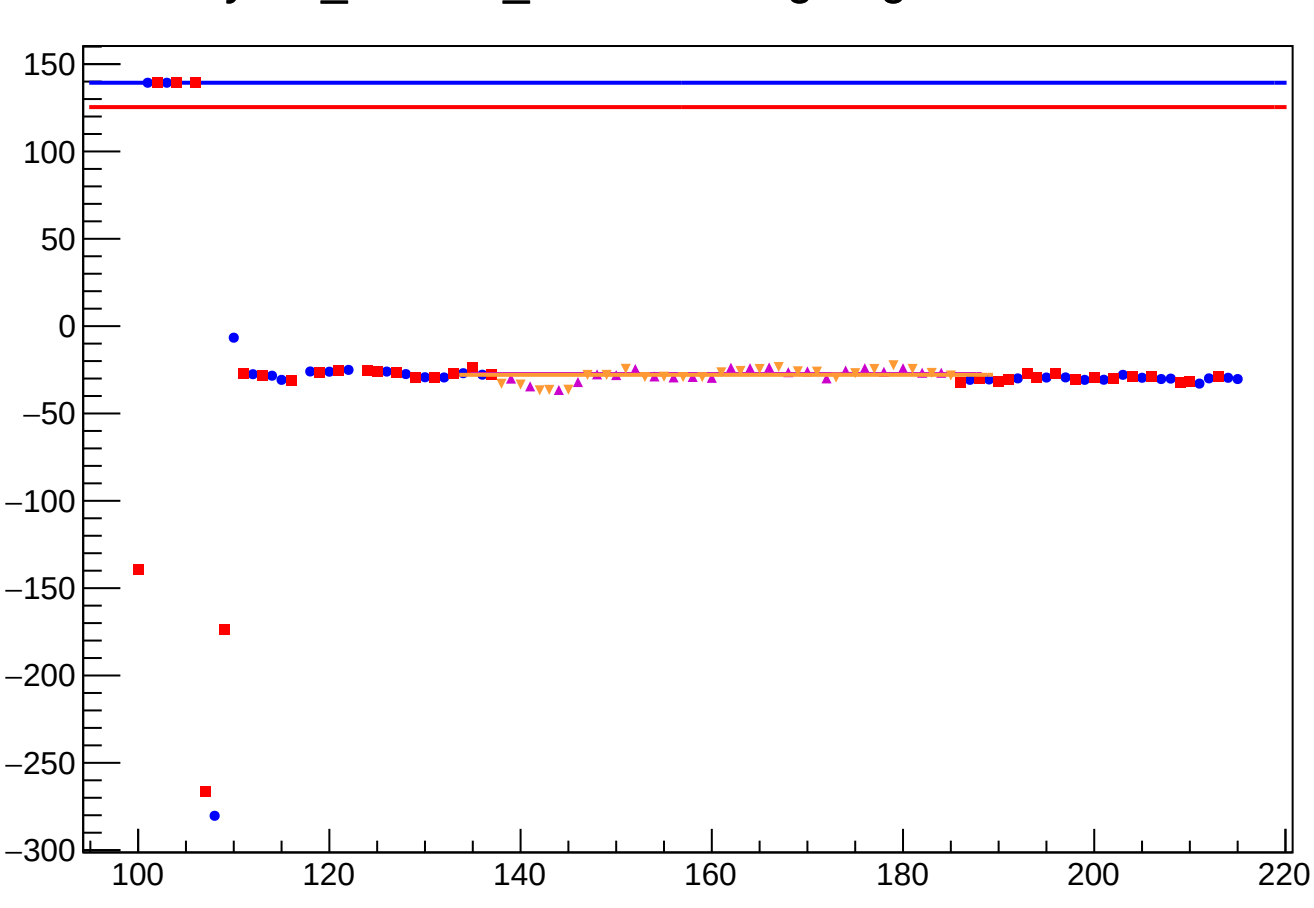
Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 736.341+/-0.089 χ^2/NDF: 5681352.9/64

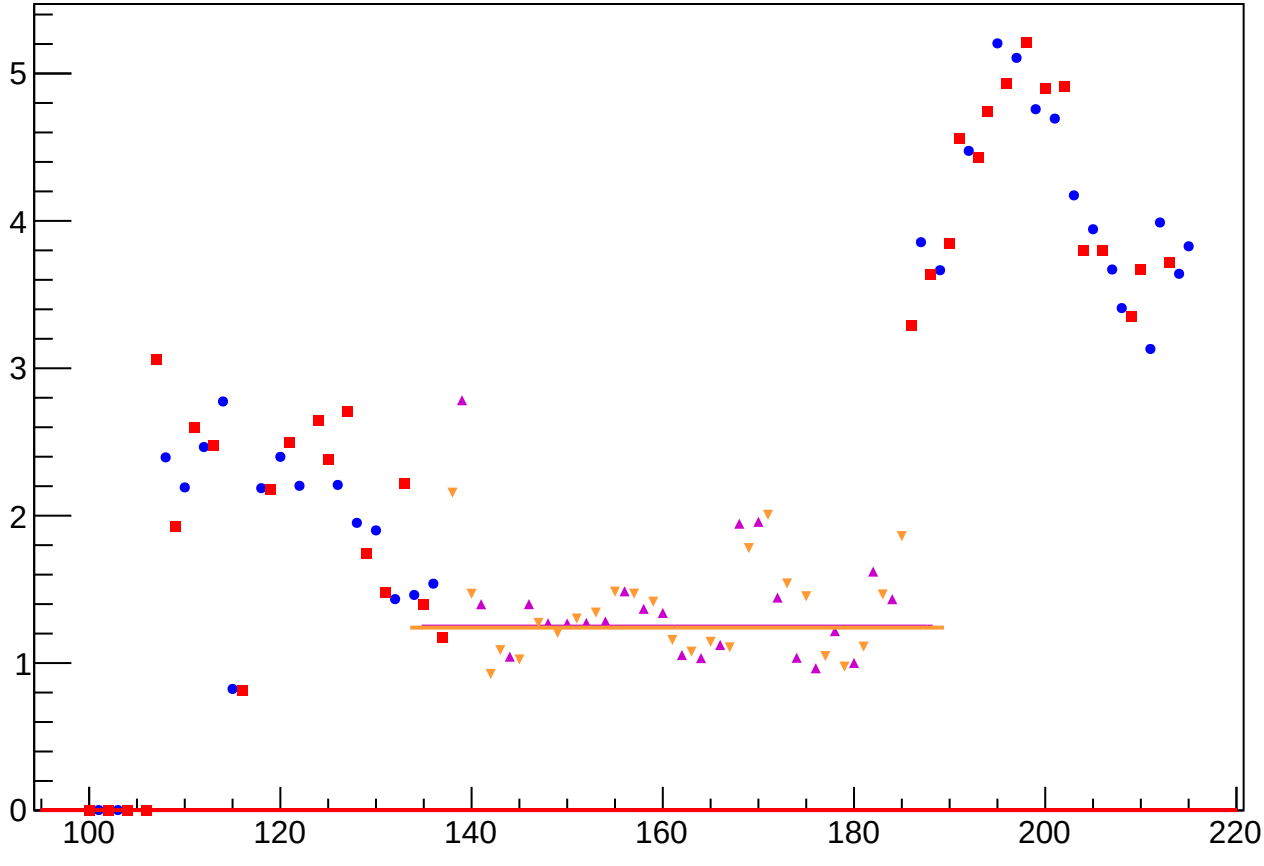
In: 806.855+/-0.098 χ^2/NDF:6579616.7/53

Out: 860.883+/-0.104 χ^2/NDF:5923482.9/58

All: 832.390+/-0.071 χ^2/NDF: 12645613.4/11


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
220
Right In: 139.336+/-0.000 χ²/NDF: 67957227638.9/30
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.391+/-0.000 χ²/NDF: 774189317368383.0/33
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
Left: -27.654+/-0.000 χ²/NDF: 305673778.0/47
Right: 131.818+/-0.000 χ²/NDF: 793041624096248
In: 139.328+/-0.000 χ²/NDF:322355012068.6/53
Out: 125.384+/-0.000 χ²/NDF:774420005051323.
All: 131.810+/-0.000 χ²/NDF: 793524035227

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 32860302.6/30

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 32043672.5/33

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

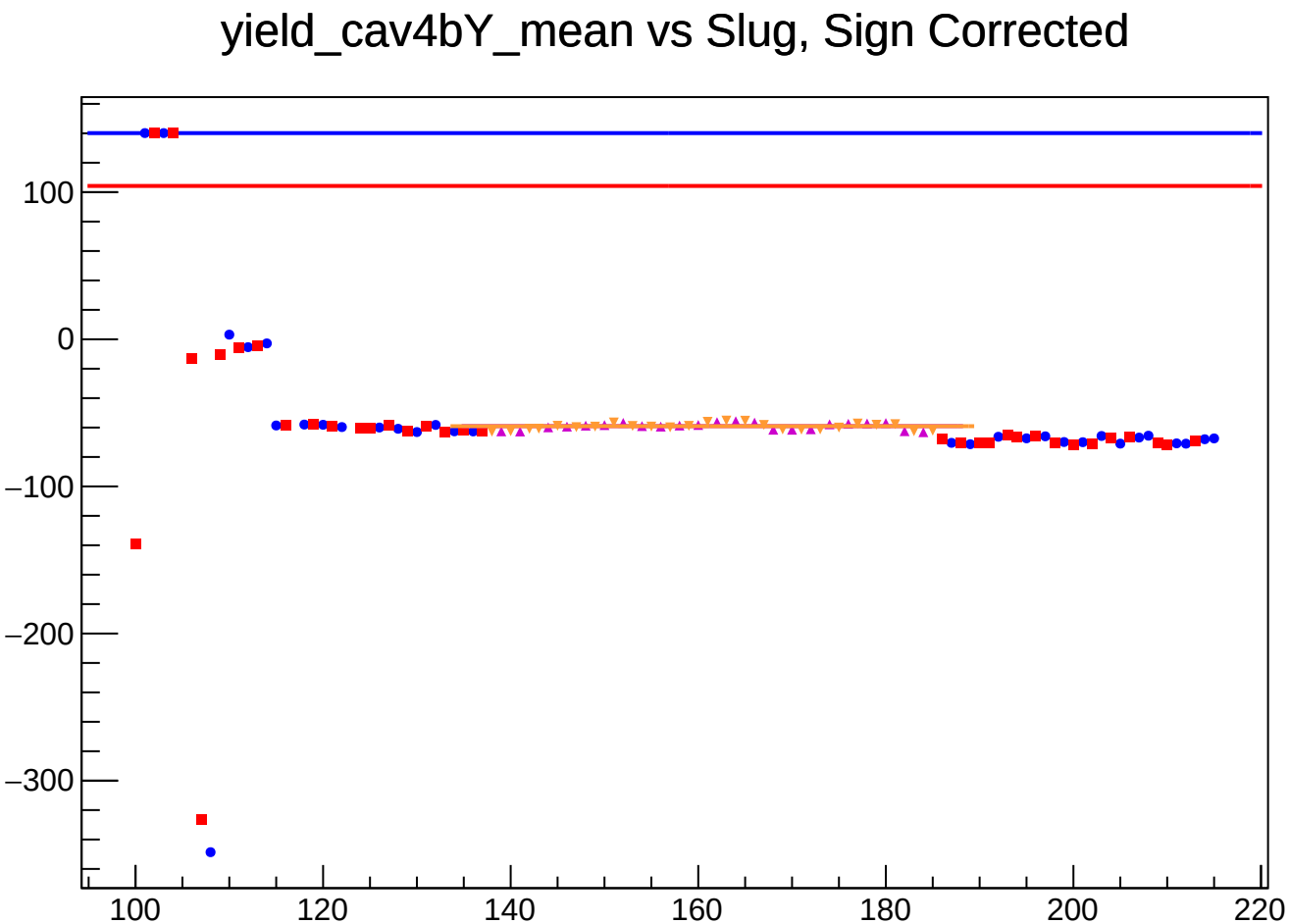
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 64904198.0/64

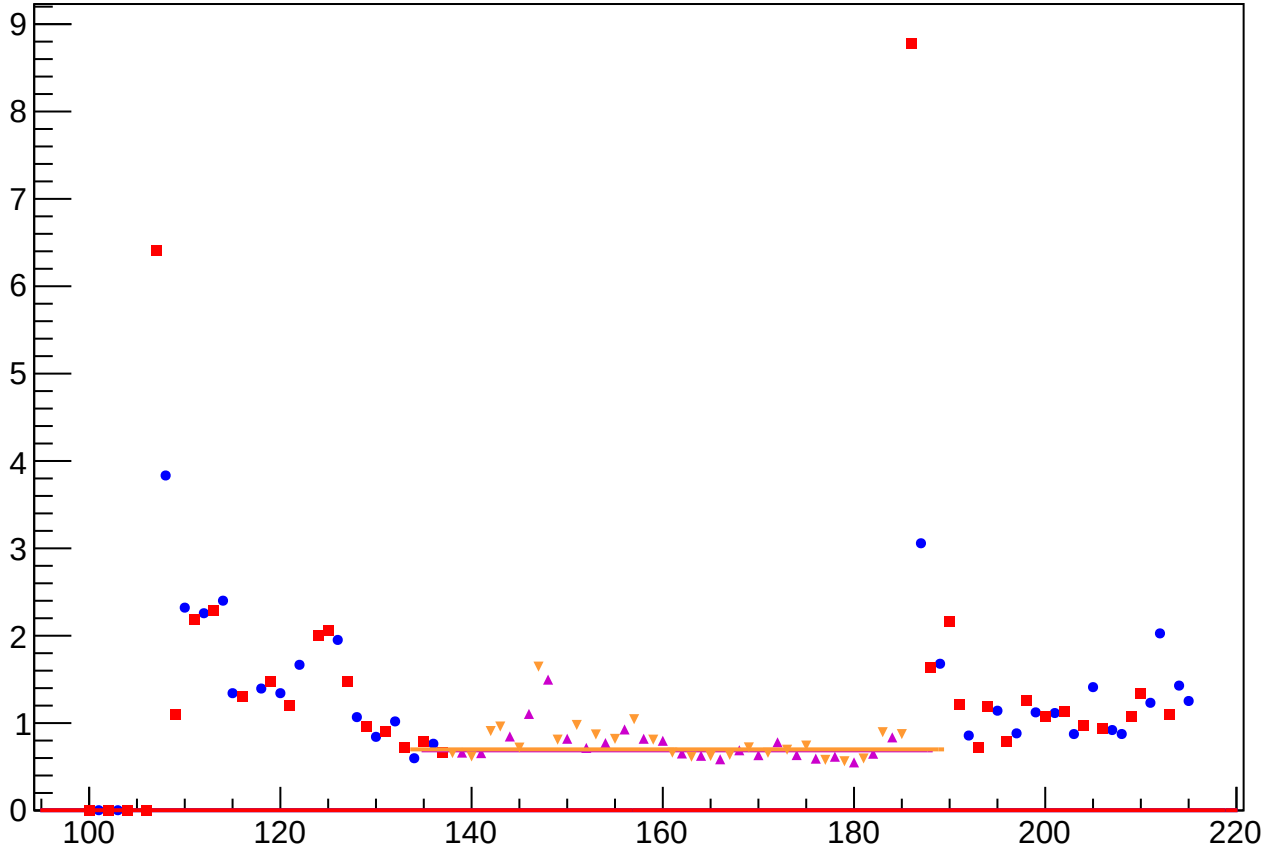
In: 0.003+/-0.000 χ^2/NDF:62625336.1/53

Out: 0.003+/-0.000 χ^2/NDF:63343437.4/58

All: 0.003+/-0.000 χ^2/NDF: 125969075.3/112


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
220
Right In: 140.134+/-0.000 χ²/NDF: 536288836234.3/30
Left Out: -59.066+/-0.000 χ²/NDF:177511074.0/24
Right Out: 104.217+/-0.000 χ²/NDF: 1257651948959400.8/33
Left In: -59.020+/-0.000 χ²/NDF:179236820.4/22
Left: -59.043+/-0.000 χ²/NDF: 356781901.8/47
Right: 120.823+/-0.000 χ²/NDF: 138148325133800
In: 140.098+/-0.000 χ²/NDF:1811772334378.8/53
Out: 104.191+/-0.000 χ²/NDF:1258523529890472
All: 120.793+/-0.000 χ²/NDF: 13835812522

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 30008924.1/30

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 29722906.8/33

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

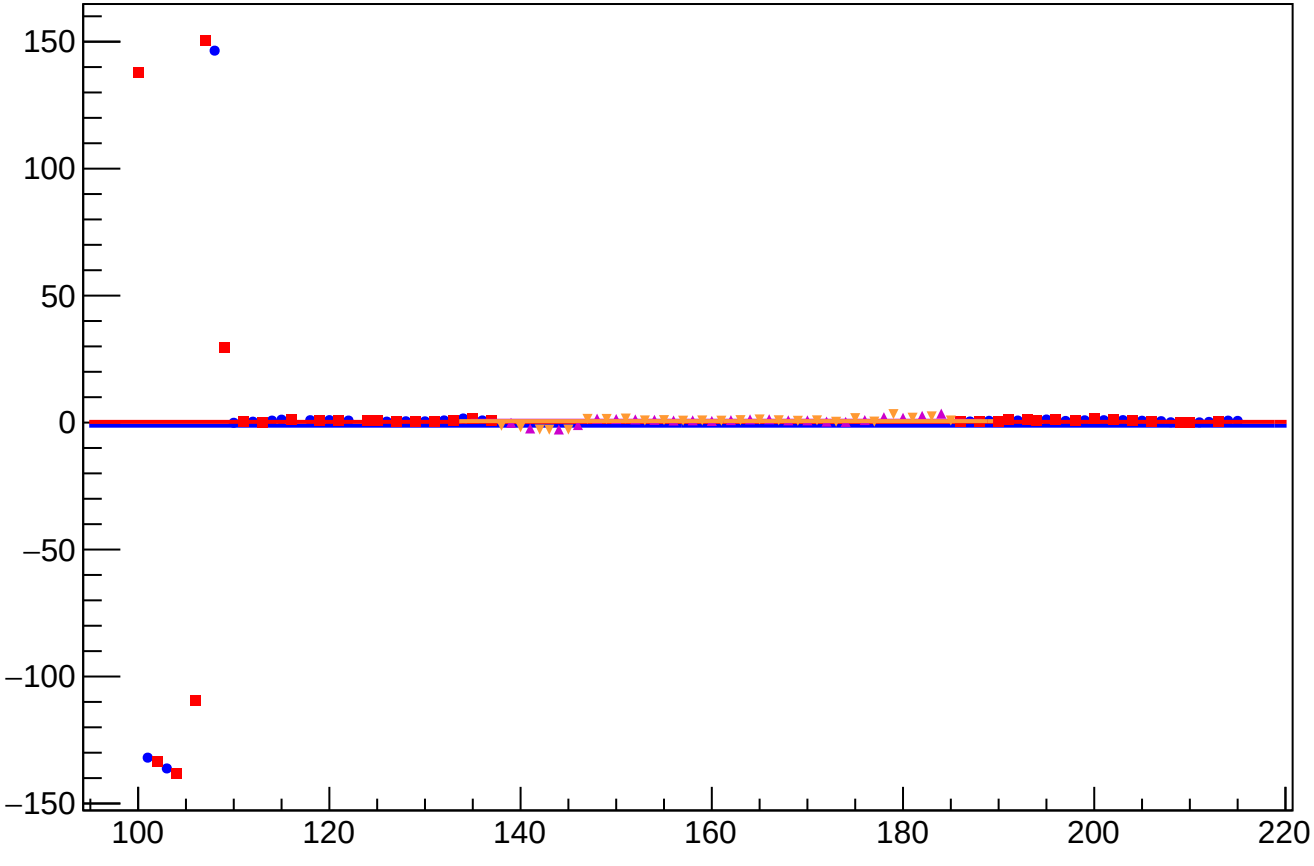
Right: 0.003+/-0.000 χ^2/NDF: 59732125.6/64

In: 0.003+/-0.000 χ^2/NDF:61311564.6/53

Out: 0.003+/-0.000 χ^2/NDF:62777270.8/58

All: 0.003+/-0.000 χ^2/NDF: 124089374.6/112

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.219+/-0.000 χ^2/NDF: 9910997955.9/30

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.284+/-0.000 χ^2/NDF: 3612966542.5/33

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

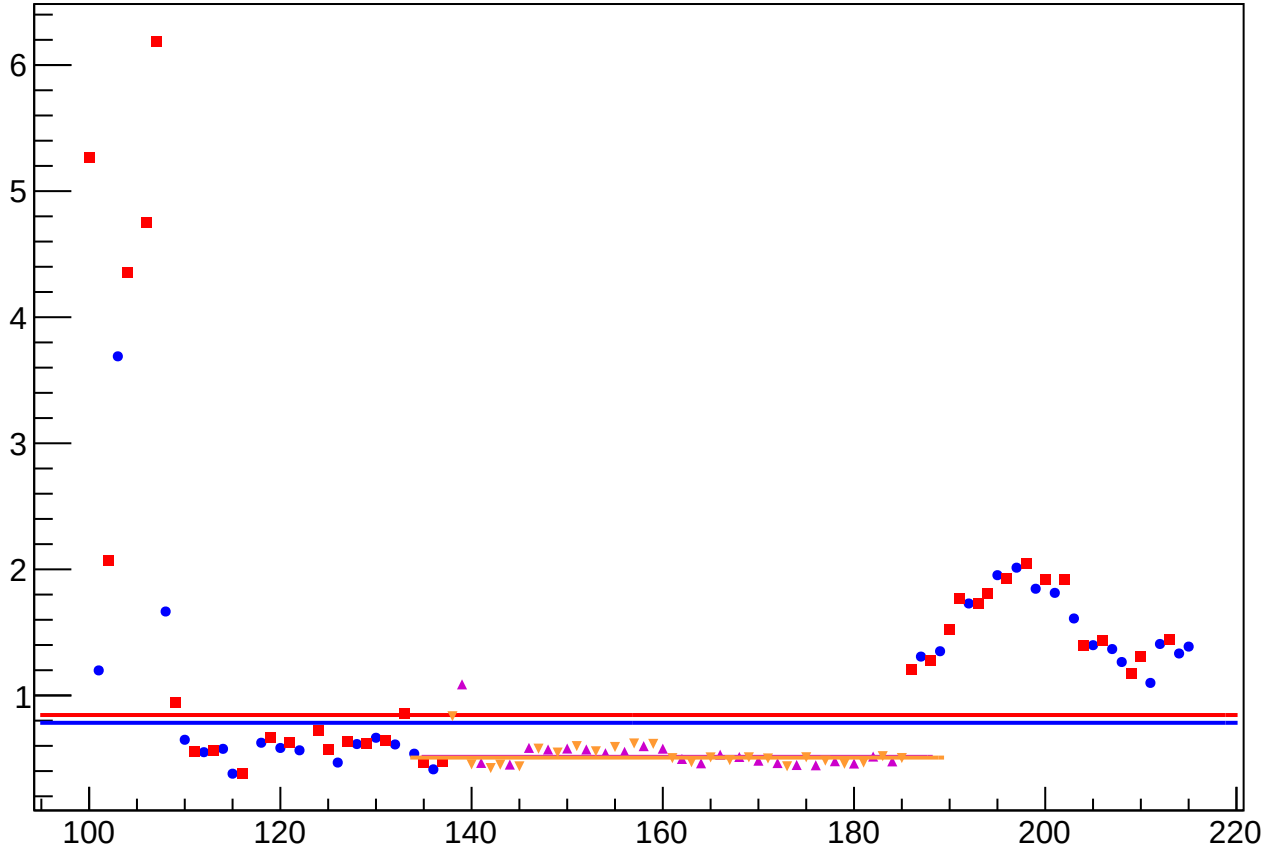
Right: -0.529+/-0.000 χ^2/NDF: 13546217960.1/64

In: 0.192+/-0.000 χ^2/NDF:10075225469.8/53

Out: 0.508+/-0.000 χ^2/NDF:3768517075.8/58

All: 0.351+/-0.000 χ^2/NDF: 13847654705.2/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.783+/-0.000 χ^2/NDF: 8727724.8/30

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.845+/-0.000 χ^2/NDF: 8799776.1/33

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

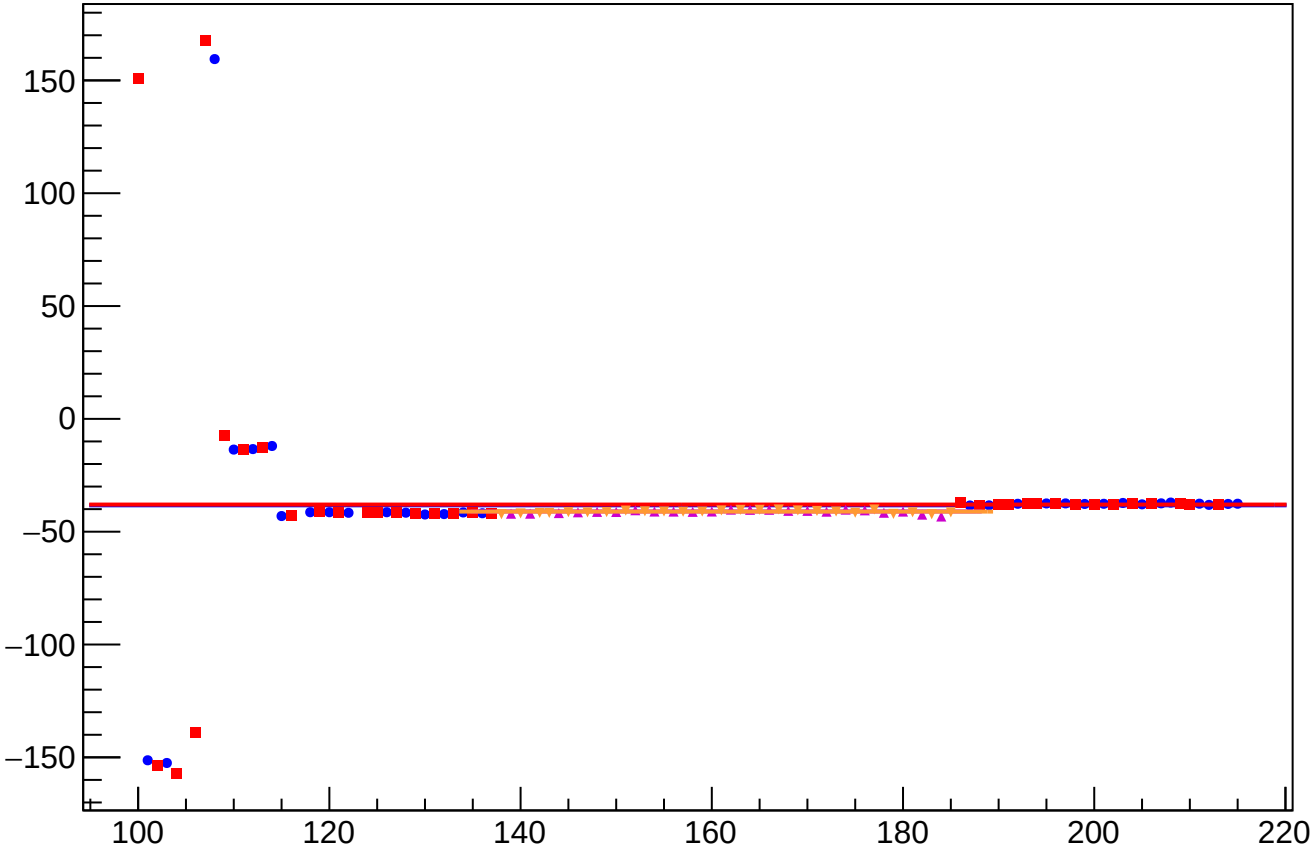
Right: 0.811+/-0.000 χ^2/NDF: 17602865.5/64

In: 0.588+/-0.000 χ^2/NDF:11746037.4/53

Out: 0.585+/-0.000 χ^2/NDF:12551668.1/58

All: 0.586+/-0.000 χ^2/NDF: 24298335.0/112

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.313+/-0.000 χ^2/NDF: 3623138096.8/30

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.976+/-0.000 χ^2/NDF: 2514486579.5/33

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

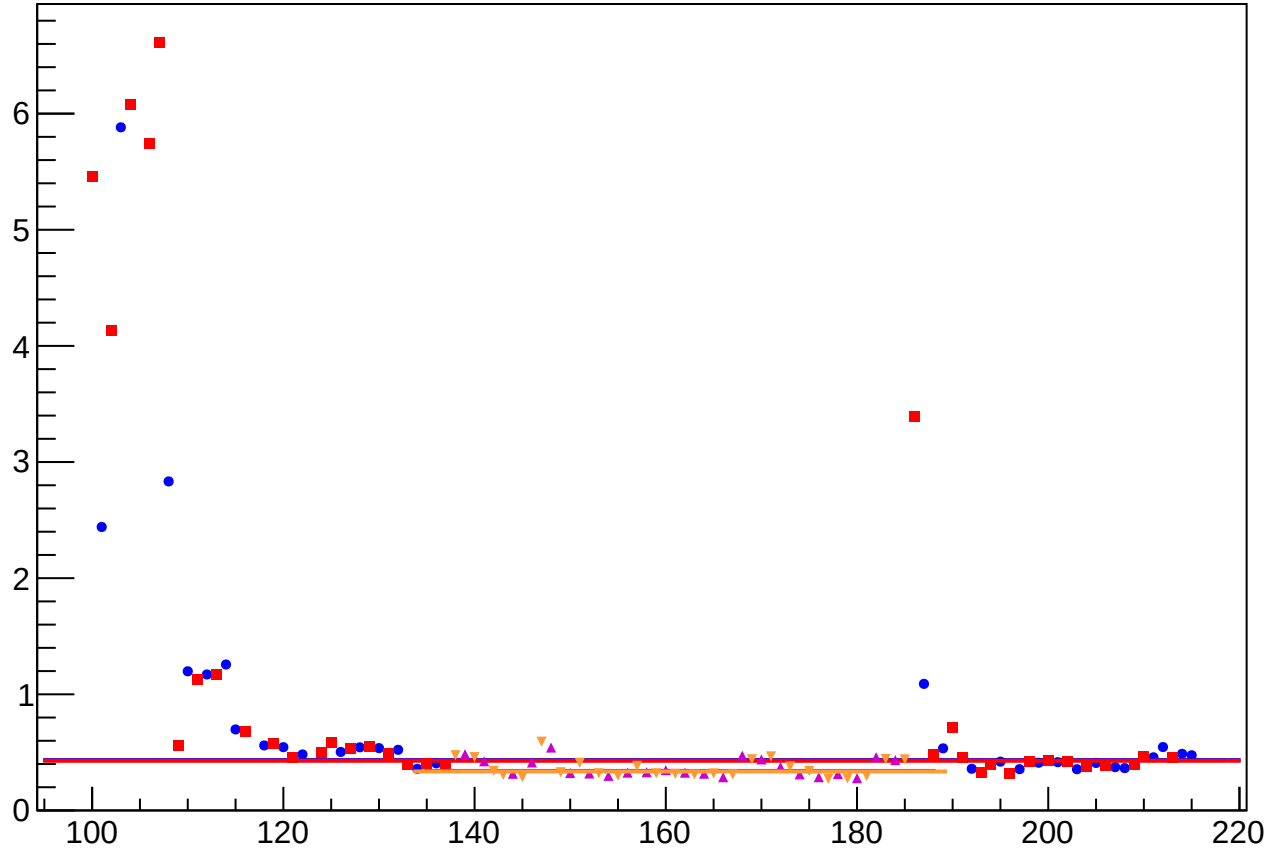
Right: -38.146+/-0.000 χ^2/NDF: 6142344985.1/64

In: -40.030+/-0.000 χ^2/NDF:4068362010.5/53

Out: -40.021+/-0.000 χ^2/NDF:3100207742.0/58

All: -40.026+/-0.000 χ^2/NDF: 7168579200.2/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.433+/-0.000 χ^2/NDF: 3853968.6/30

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.428+/-0.000 χ^2/NDF: 4705574.9/33

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

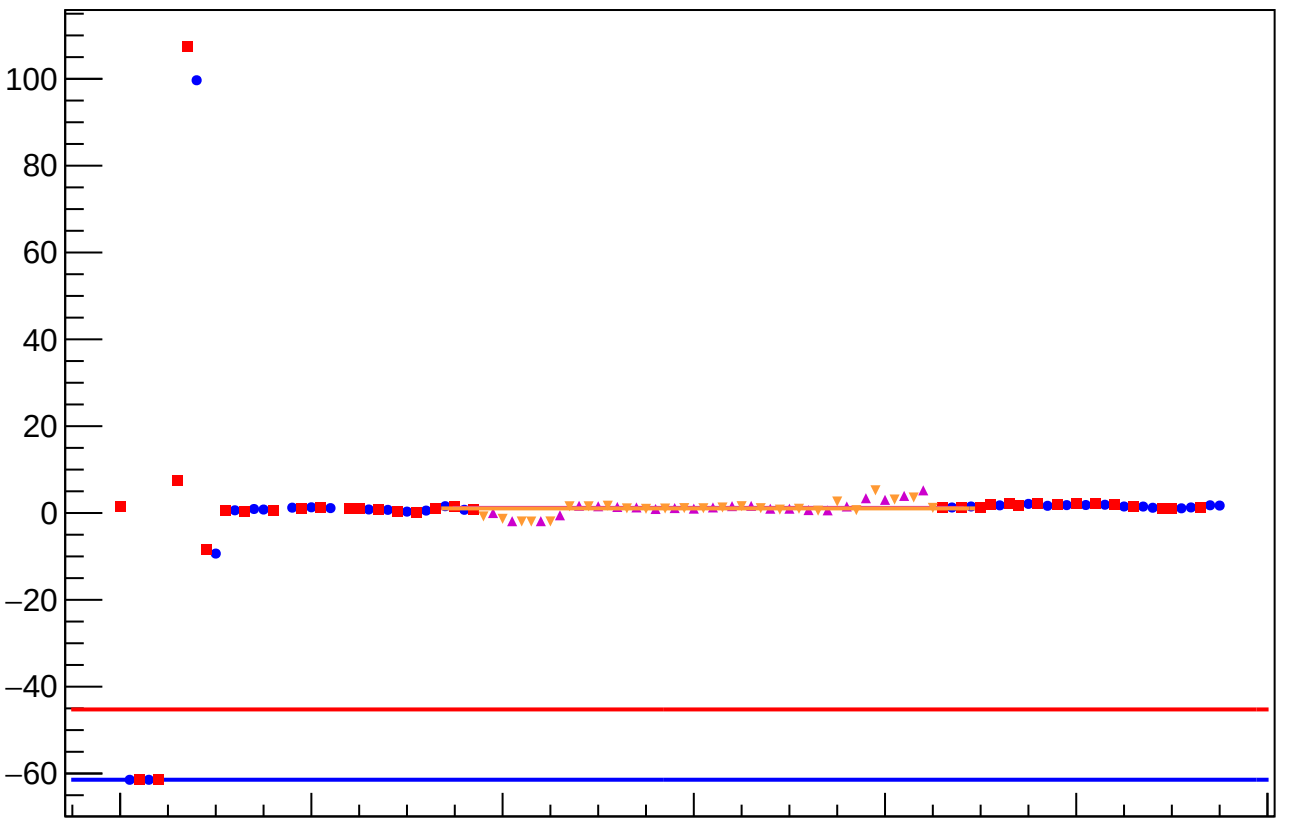
Right: 0.431+/-0.000 χ^2/NDF: 8561944.8/64

In: 0.375+/-0.000 χ^2/NDF:5846230.5/53

Out: 0.367+/-0.000 χ^2/NDF:6868093.5/58

All: 0.371+/-0.000 χ^2/NDF: 12726149.2/112

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.435+/-0.000 χ^2/NDF: 302077398570.1/30

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357884536962924.6/33

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

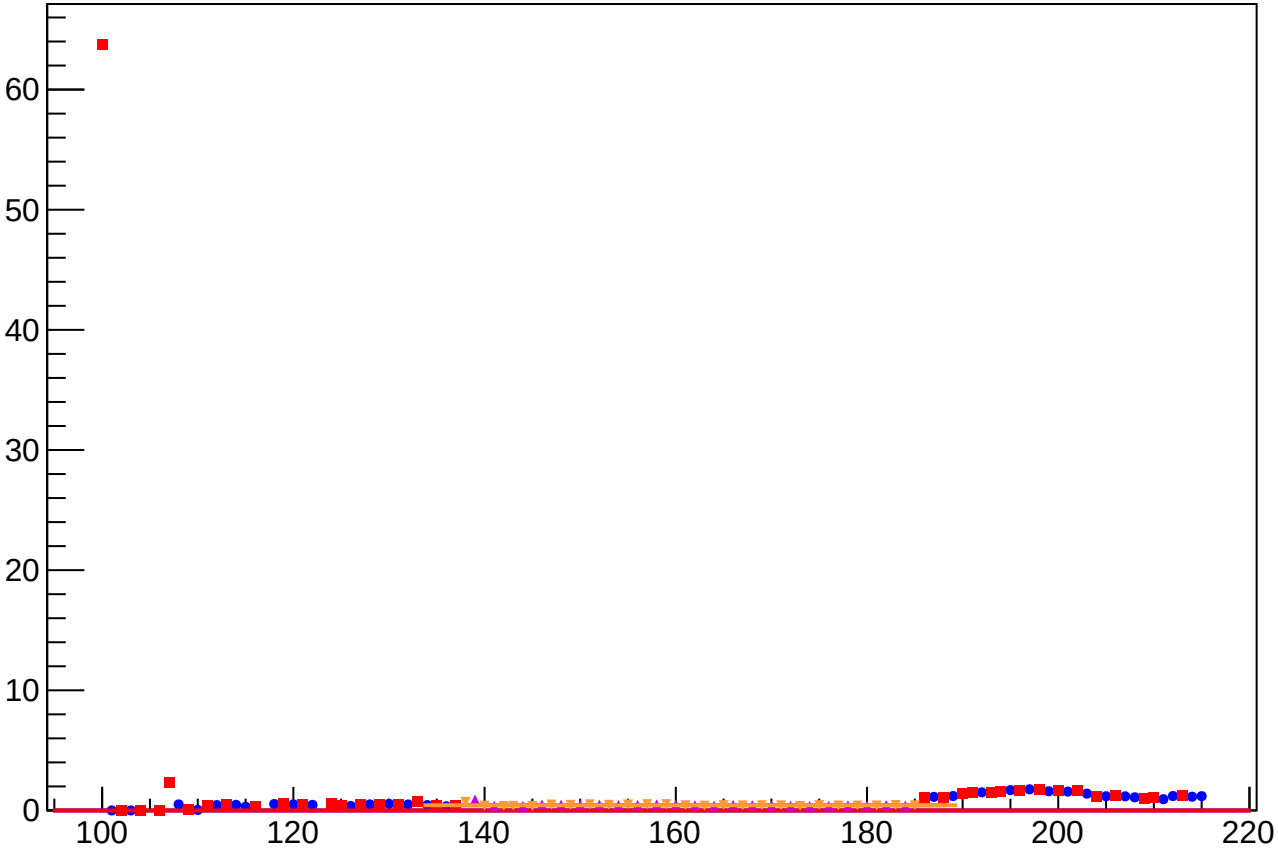
Right: -52.748+/-0.000 χ^2/NDF: 409162291102650

In: -61.421+/-0.000 χ^2/NDF:604932310954.6/53

Out: -45.235+/-0.000 χ^2/NDF:358065815642700.9

All: -52.737+/-0.000 χ^2/NDF: 409631691447

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 32442036.4/30

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 31679369.5/33

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

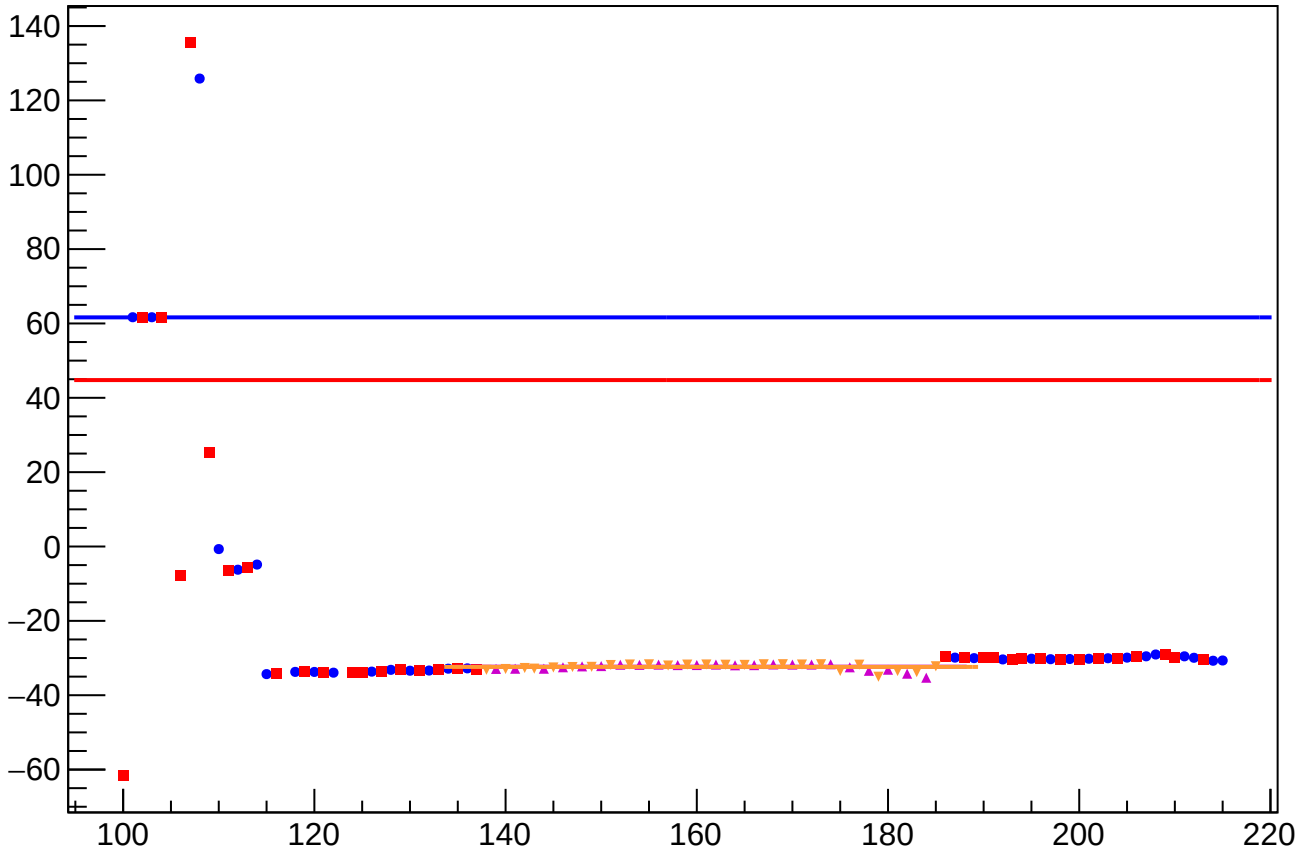
Right: 0.001+/-0.000 χ^2/NDF: 64121426.7/64

In: 0.002+/-0.000 χ^2/NDF:62580843.5/53

Out: 0.002+/-0.000 χ^2/NDF:63443570.8/58

All: 0.002+/-0.000 χ^2/NDF: 126024488.3/112

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.636+/-0.000 χ^2/NDF: 1175156863998.9/30

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.768+/-0.000 χ^2/NDF: 3665956613109 69.9/33

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

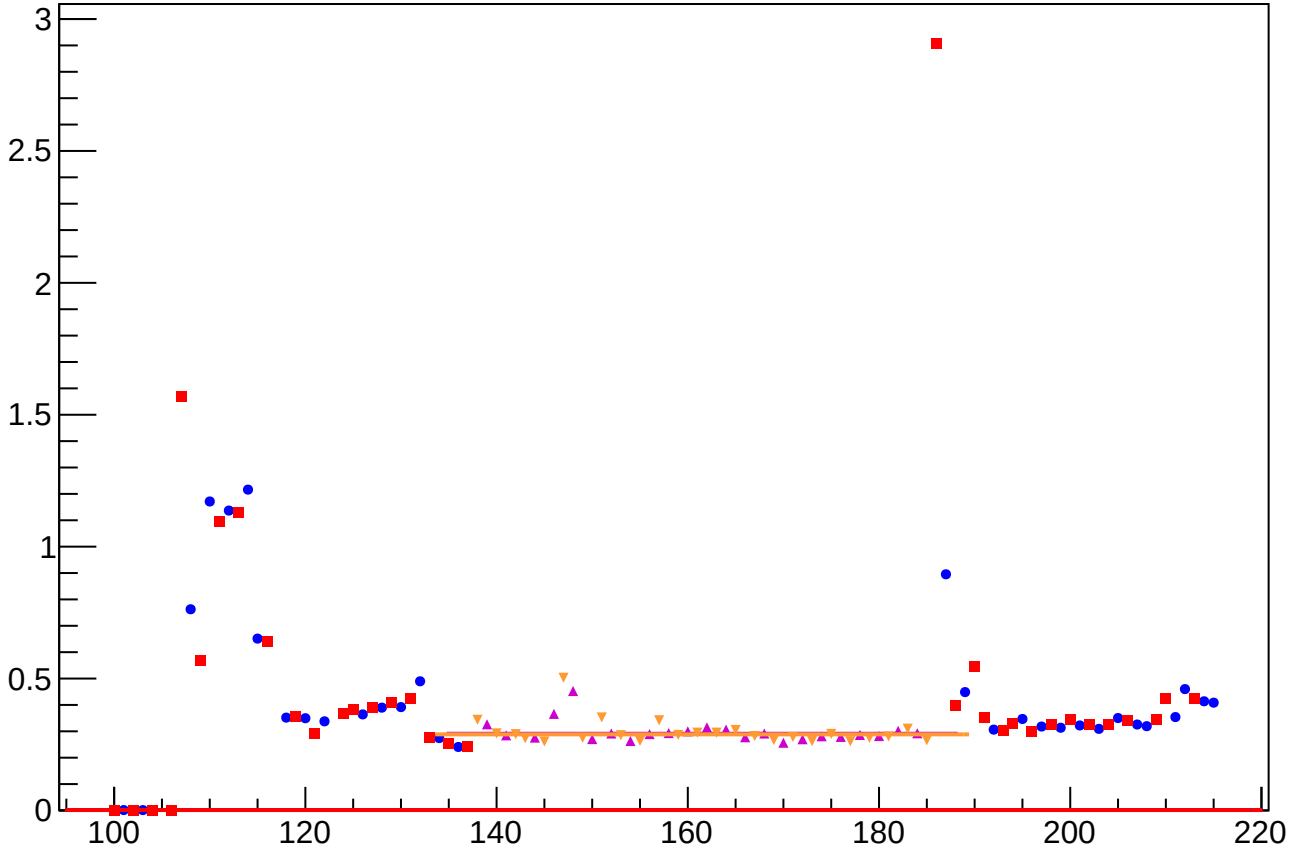
Right: 52.667+/-0.000 χ^2/NDF: 418836114059608.

In: 61.578+/-0.000 χ^2/NDF:2998025567653.9/53

Out: 44.724+/-0.000 χ^2/NDF:367913659103878.6

All: 52.617+/-0.000 χ^2/NDF: 421929278830

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 33962994.8/30

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 32568058.3/33

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

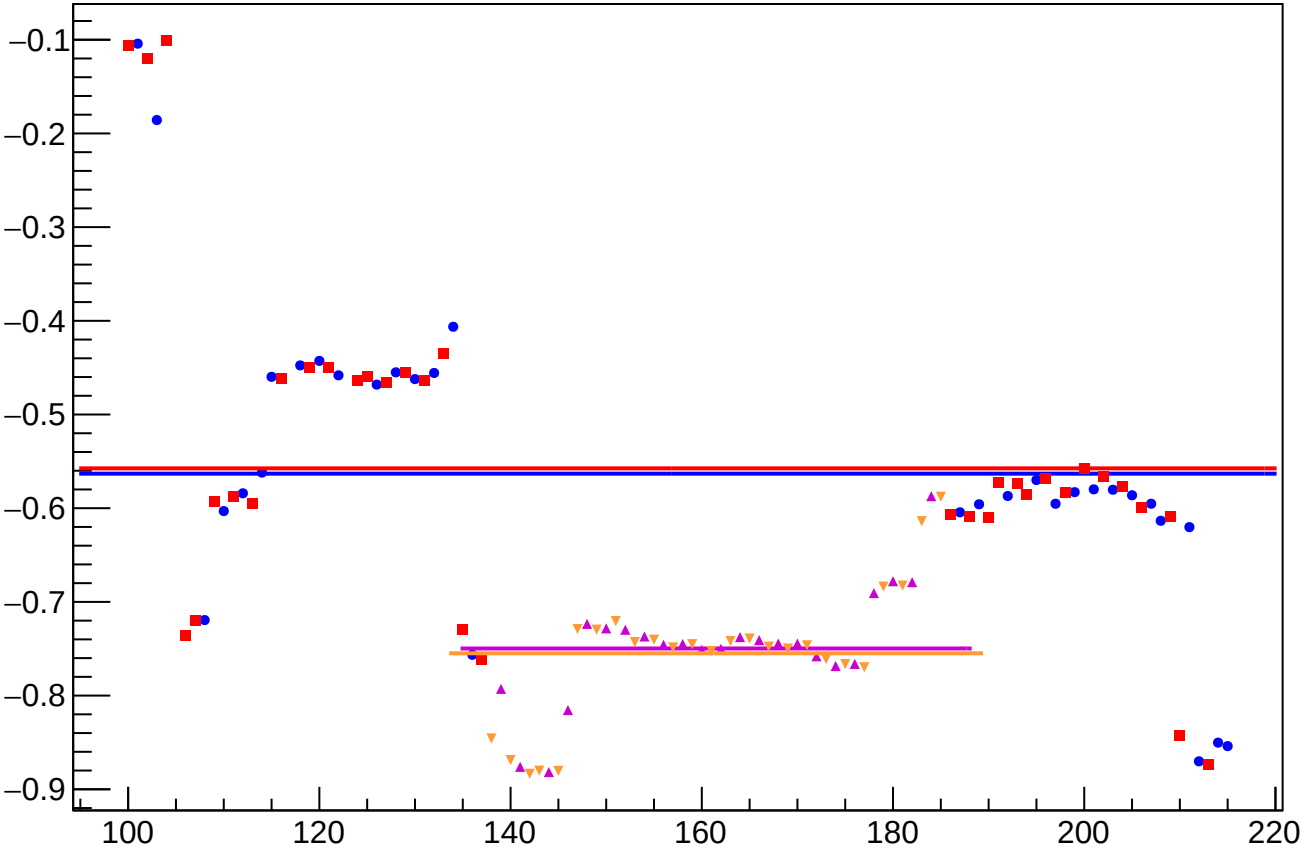
Right: 0.002+/-0.000 χ^2/NDF: 66531054.3/64

In: 0.002+/-0.000 χ^2/NDF:68850170.6/53

Out: 0.002+/-0.000 χ^2/NDF:69509104.8/58

All: 0.002+/-0.000 χ^2/NDF: 138359306.1/112

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.563+/-0.000 χ^2/NDF: 385547270.8/30

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.557+/-0.000 χ^2/NDF: 273961629.9/33

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

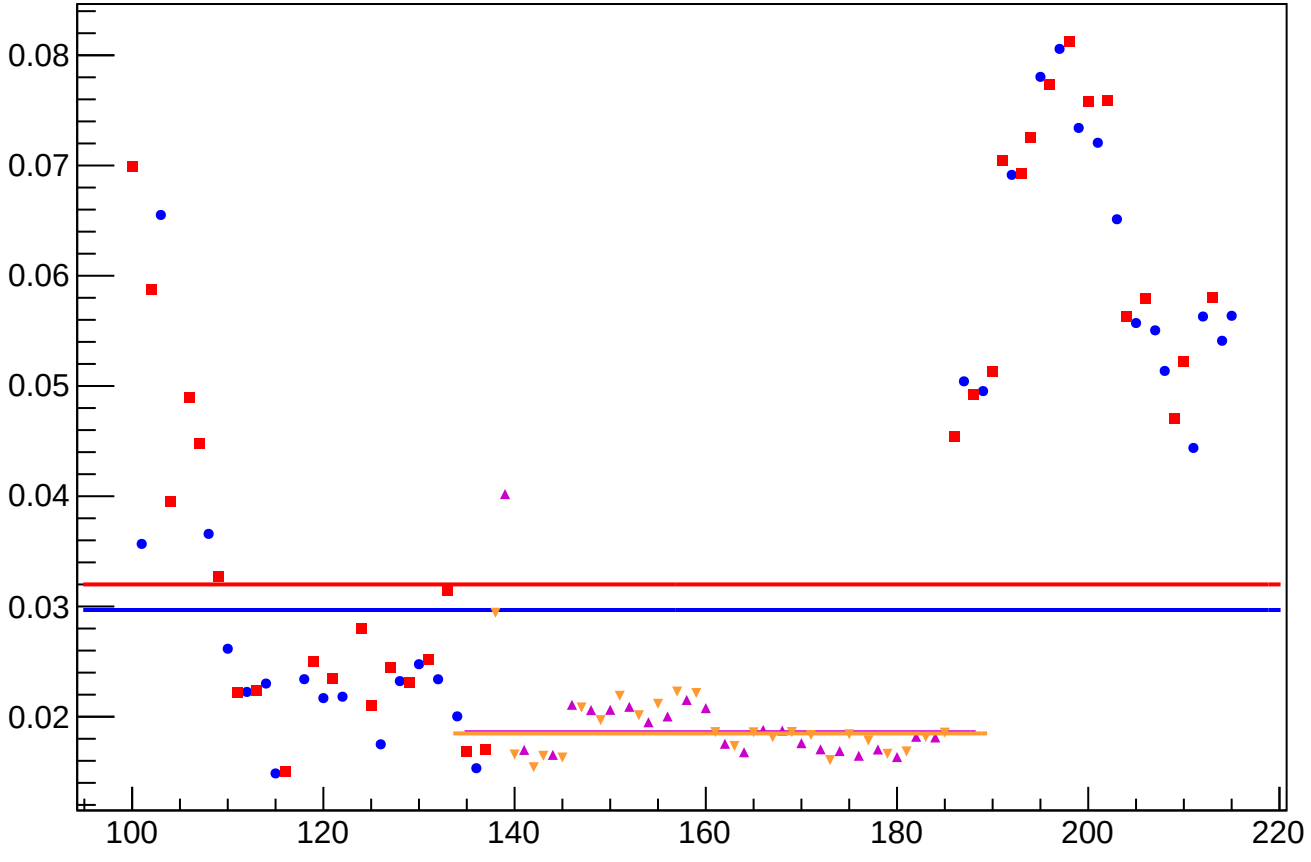
Right: -0.560+/-0.000 χ^2/NDF: 659732353.0/64

In: -0.701+/-0.000 χ^2/NDF:911736145.8/53

Out: -0.711+/-0.000 χ^2/NDF:883119713.0/58

All: -0.706+/-0.000 χ^2/NDF: 1797671772.4/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 8848161.2/30

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.032+/-0.000 χ^2/NDF: 7997063.6/33

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

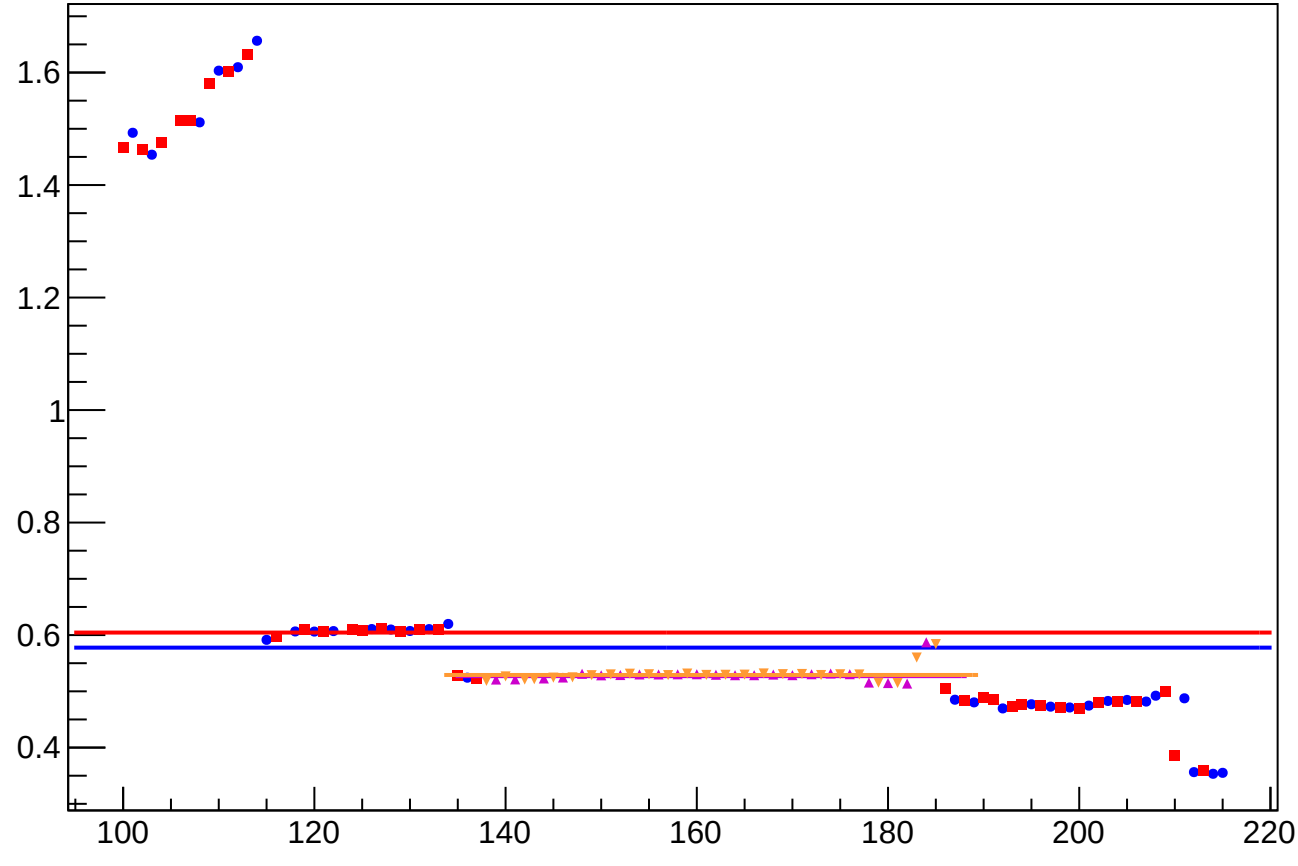
Right: 0.031+/-0.000 χ^2/NDF: 16920404.0/64

In: 0.021+/-0.000 χ^2/NDF:12308281.6/53

Out: 0.021+/-0.000 χ^2/NDF:12206845.8/58

All: 0.021+/-0.000 χ^2/NDF: 24515132.7/112

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.578+/-0.000 χ^2/NDF: 6117230734.6/30

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.604+/-0.000 χ^2/NDF: 6902583936.4/33

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

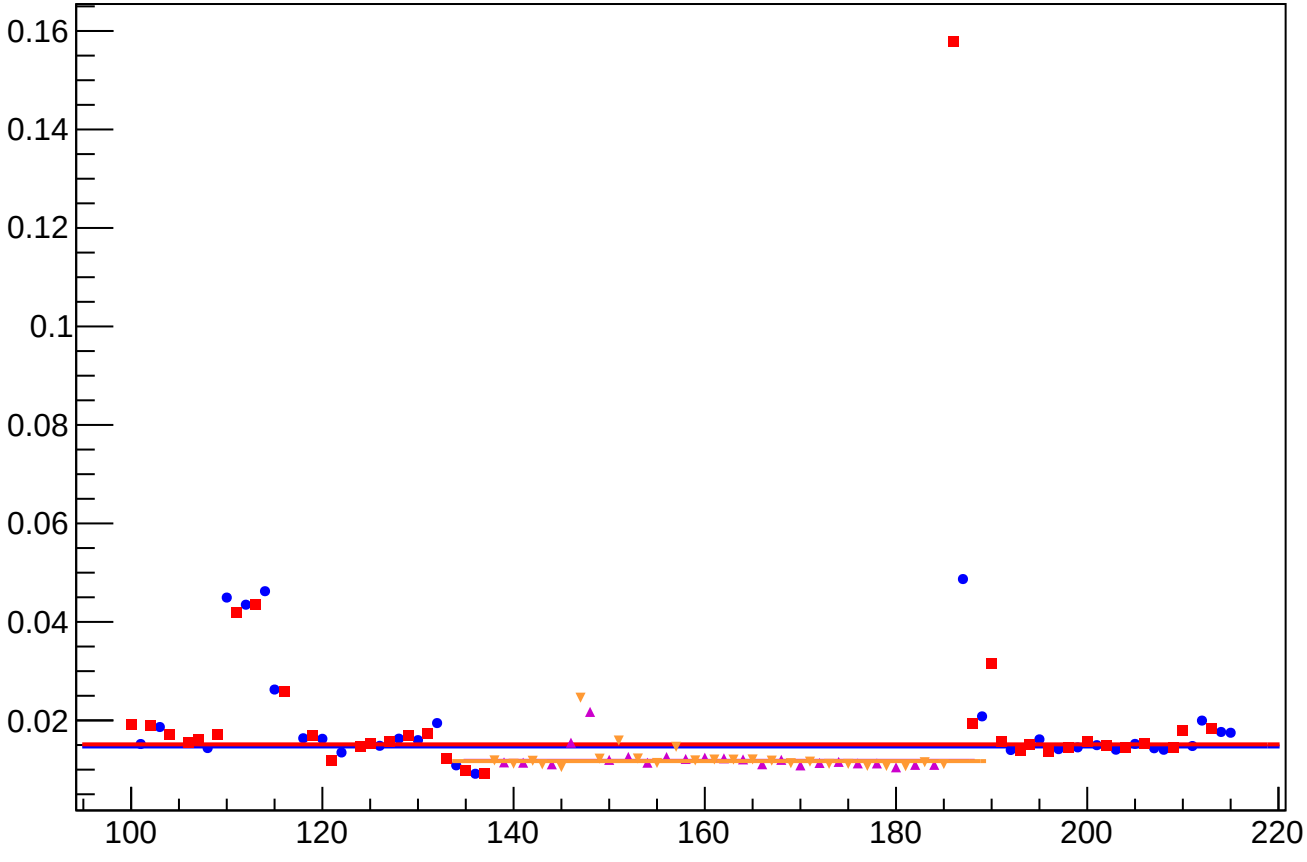
Right: 0.591+/-0.000 χ^2/NDF: 13047243946.7/64

In: 0.547+/-0.000 χ^2/NDF:6255817295.3/53

Out: 0.556+/-0.000 χ^2/NDF:7188763237.2/58

All: 0.551+/-0.000 χ^2/NDF: 13453133817.2/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2196965.2/30

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2487291.7/33

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

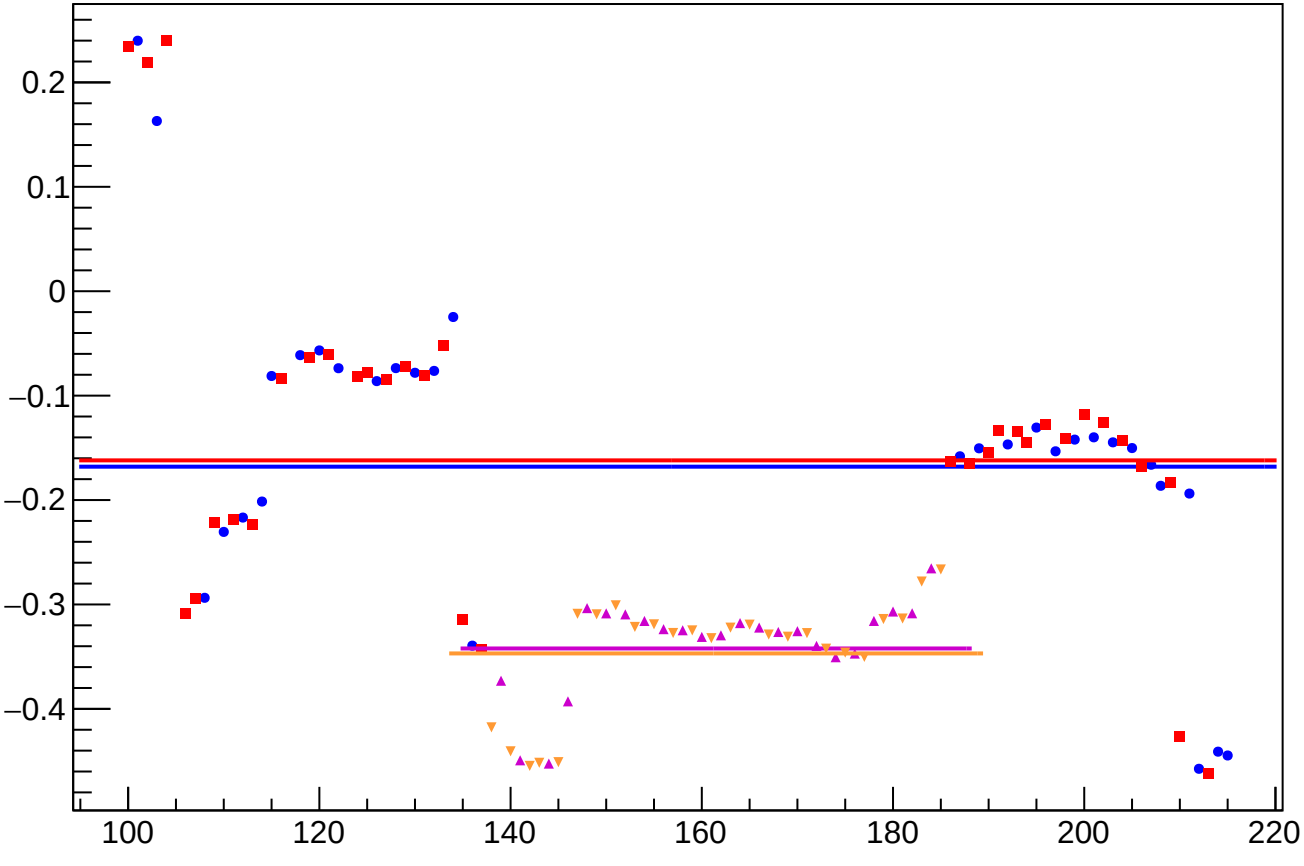
Right: 0.015+/-0.000 χ^2/NDF: 4698383.1/64

In: 0.013+/-0.000 χ^2/NDF:3547023.4/53

Out: 0.013+/-0.000 χ^2/NDF:4285501.1/58

All: 0.013+/-0.000 χ^2/NDF: 7832582.7/112

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF: 357125557.0/30

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.162+/-0.000 χ^2/NDF: 252902894.2/33

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

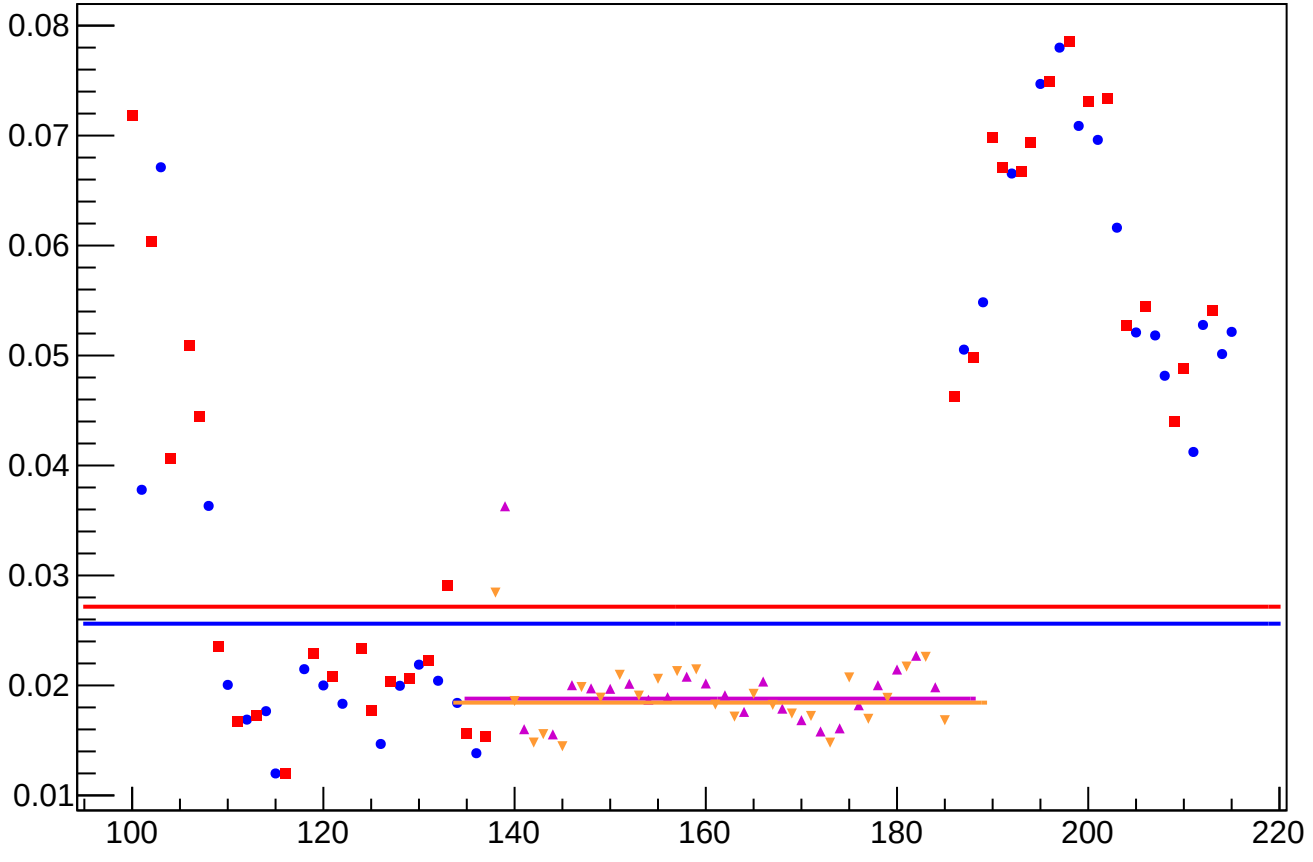
Right: -0.165+/-0.000 χ^2/NDF: 610356549.2/64

In: -0.288+/-0.000 χ^2/NDF:844945553.1/53

Out: -0.298+/-0.000 χ^2/NDF:805170386.6/58

All: -0.293+/-0.000 χ^2/NDF: 1652855583.4/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 10175079.6/30

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.027+/-0.000 χ^2/NDF: 9714426.8/33

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

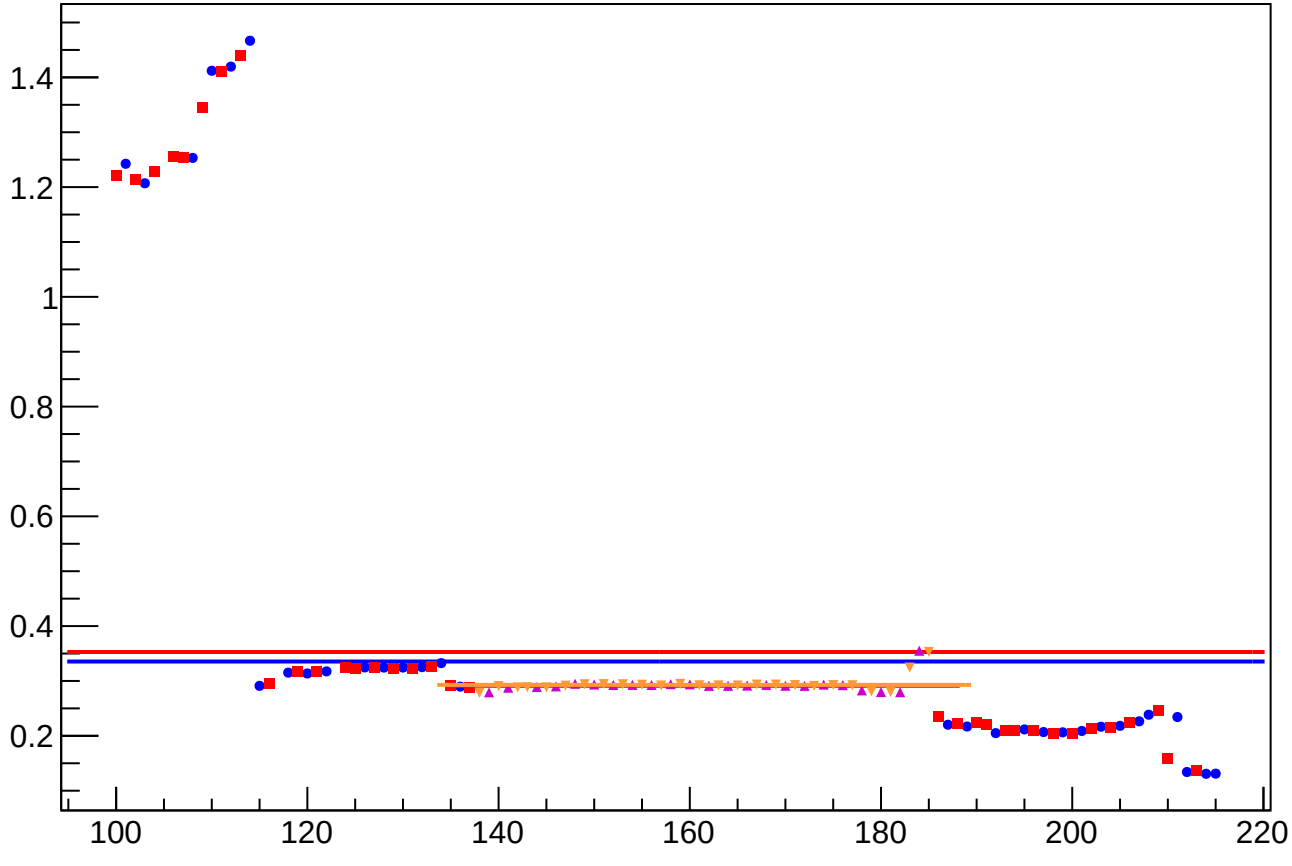
Right: 0.026+/-0.000 χ^2/NDF: 19932449.3/64

In: 0.021+/-0.000 χ^2/NDF:12118603.8/53

Out: 0.021+/-0.000 χ^2/NDF:12252562.3/58

All: 0.021+/-0.000 χ^2/NDF: 24372506.9/112

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.335+/-0.000 χ^2/NDF: 8779910561.5/30

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.353+/-0.000 χ^2/NDF: 9559136217.6/33

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

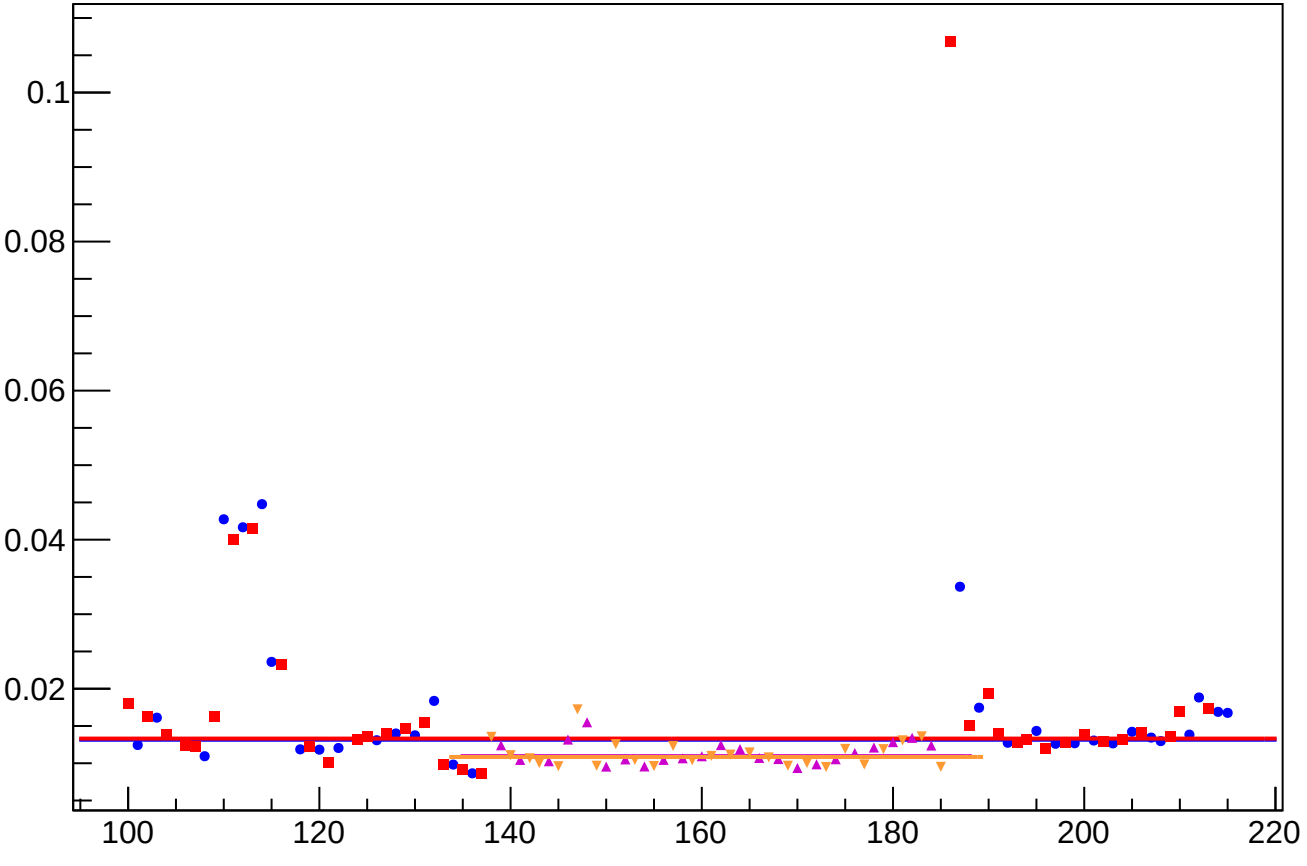
Right: 0.344+/-0.000 χ^2/NDF: 18353653663.9/64

In: 0.309+/-0.000 χ^2/NDF:8905600835.4/53

Out: 0.315+/-0.000 χ^2/NDF:9787780578.5/58

All: 0.312+/-0.000 χ^2/NDF: 18698248788.3/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2144803.2/30

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2361498.1/33

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

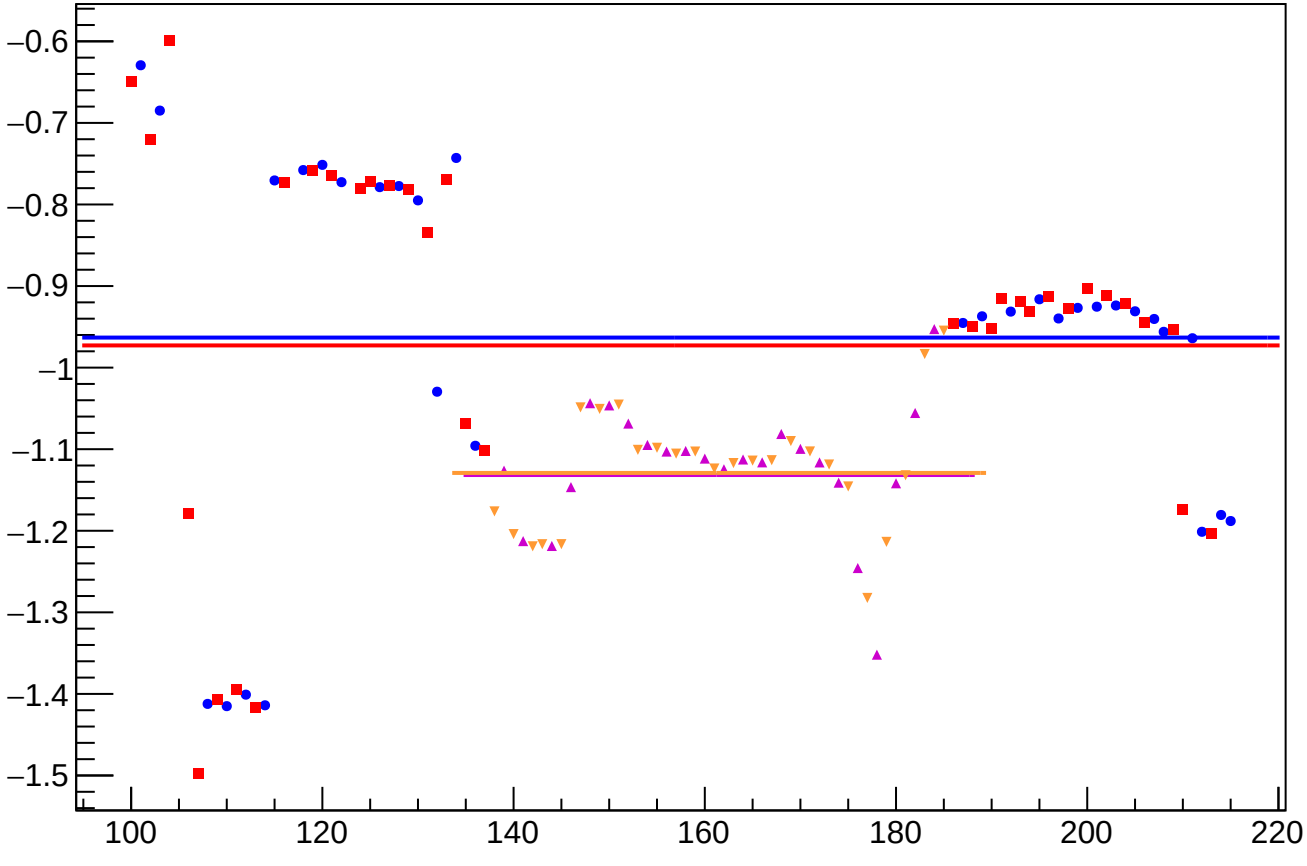
Right: 0.013+/-0.000 χ^2/NDF: 4508646.2/64

In: 0.012+/-0.000 χ^2/NDF:3227367.8/53

Out: 0.012+/-0.000 χ^2/NDF:3731860.0/58

All: 0.012+/-0.000 χ^2/NDF: 6960662.7/112

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.963+/-0.000 χ^2/NDF: 747777300.4/30

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.973+/-0.000 χ^2/NDF: 746342437.2/33

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

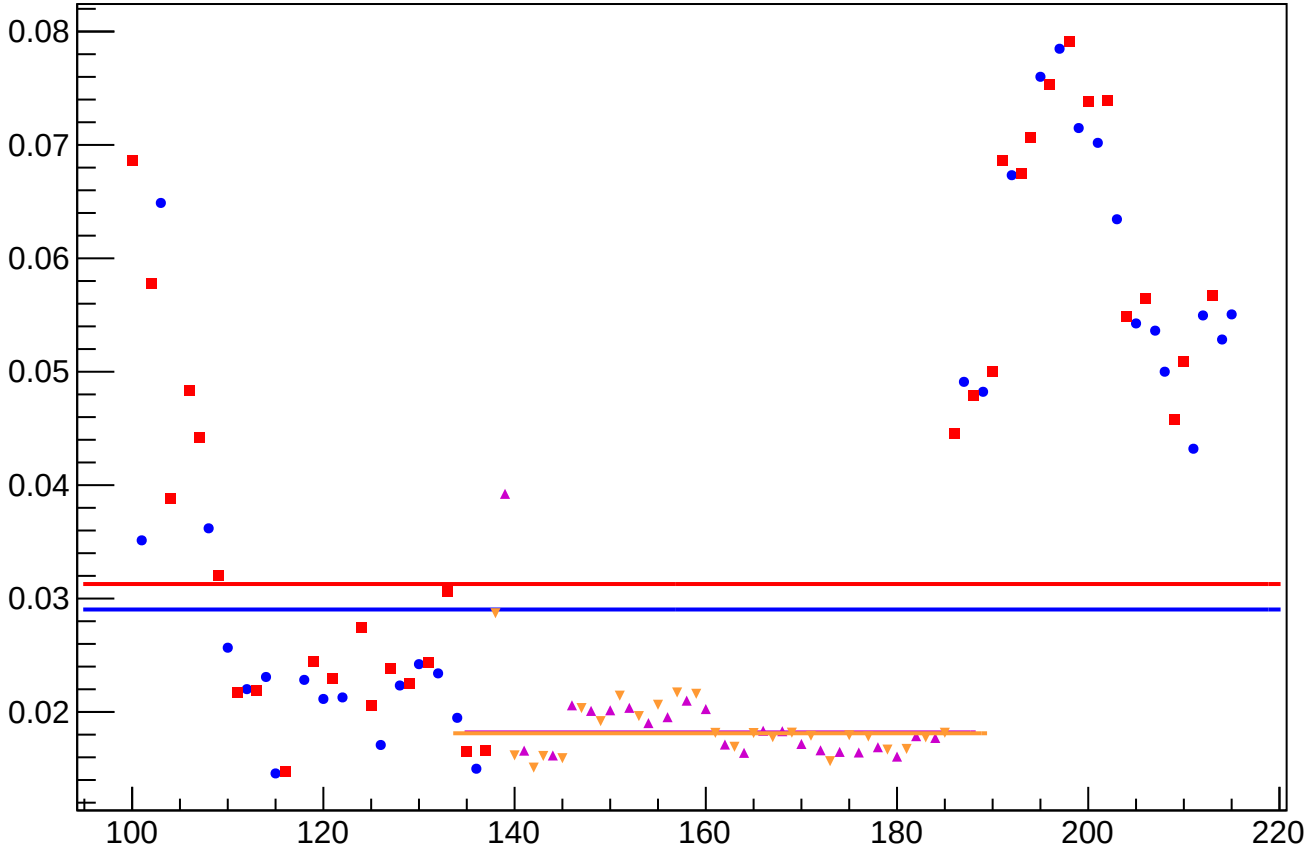
Right: -0.968+/-0.000 χ^2/NDF: 1494796225.9/64

In: -1.088+/-0.000 χ^2/NDF:1336418955.0/53

Out: -1.094+/-0.000 χ^2/NDF:1244305354.3/58

All: -1.091+/-0.000 χ^2/NDF: 2581989865.3/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 8818438.4/30

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7969097.6/33

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

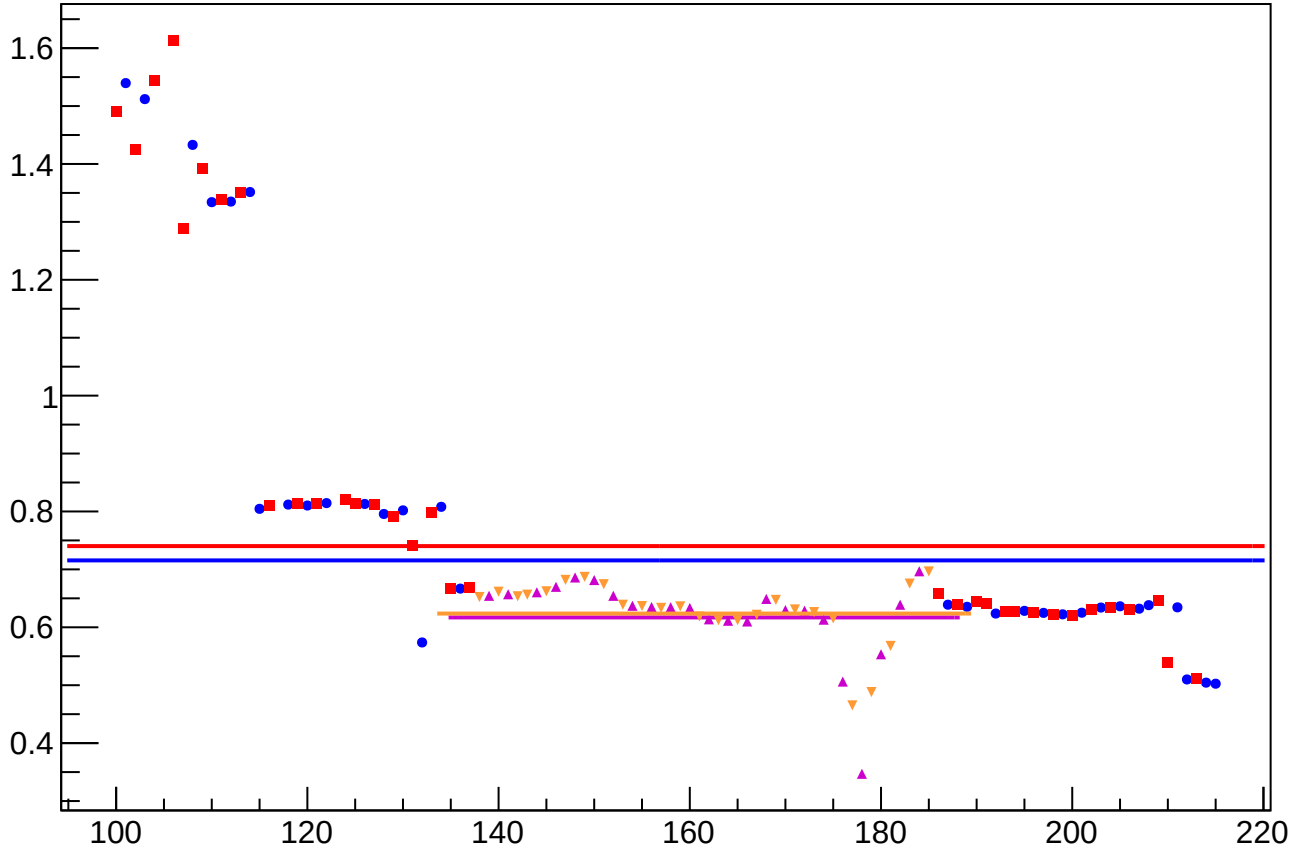
Right: 0.030+/-0.000 χ^2/NDF: 16861271.2/64

In: 0.021+/-0.000 χ^2/NDF:12259419.3/53

Out: 0.021+/-0.000 χ^2/NDF:12127282.7/58

All: 0.021+/-0.000 χ^2/NDF: 24386773.3/112

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.716+/-0.000 χ^2/NDF: 4284786289.6/30

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.740+/-0.000 χ^2/NDF: 4481498131.9/33

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

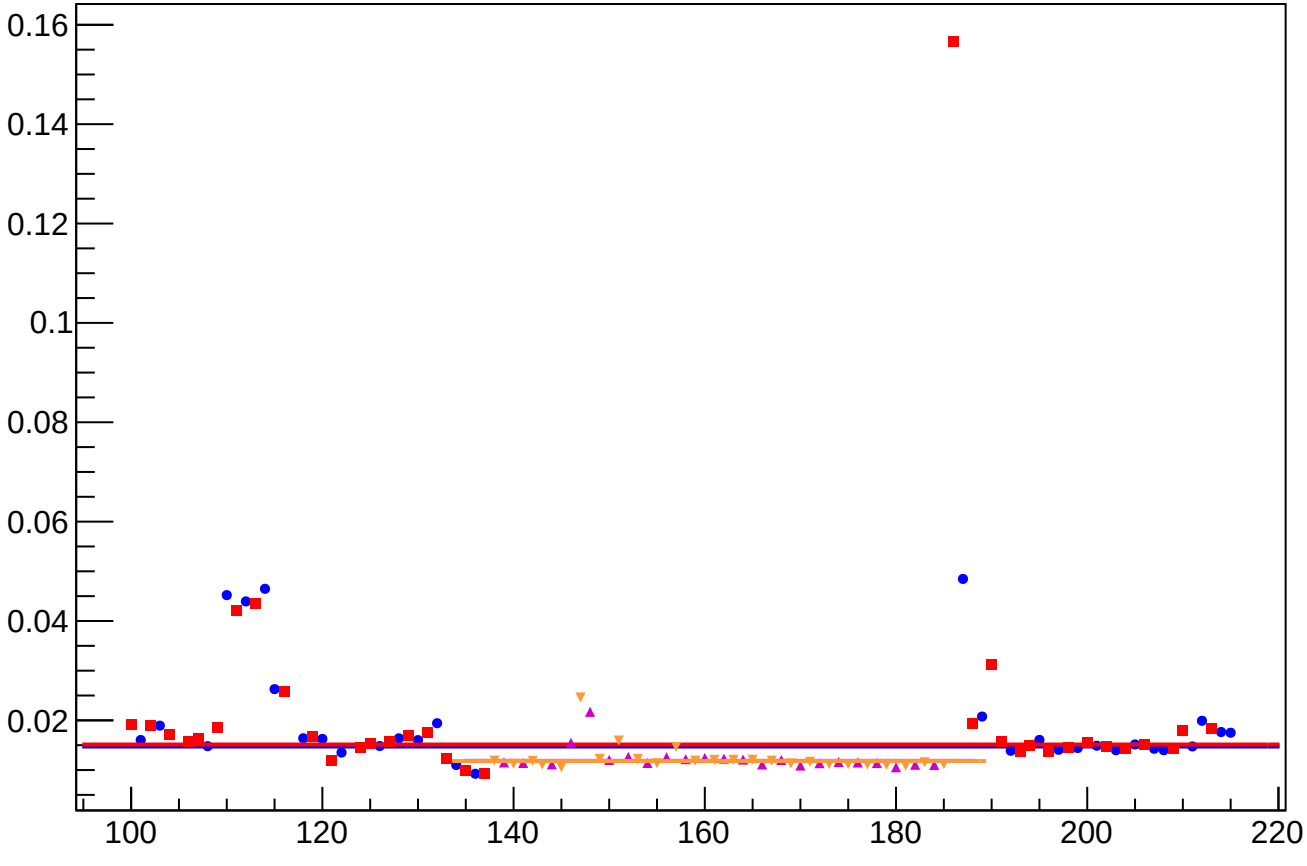
Right: 0.727+/-0.000 χ^2/NDF: 8789502008.5/64

In: 0.655+/-0.000 χ^2/NDF:5401656876.3/53

Out: 0.665+/-0.000 χ^2/NDF:5522333898.4/58

All: 0.660+/-0.000 χ^2/NDF: 10934086518.3/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2175517.1/30

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2492451.5/33

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

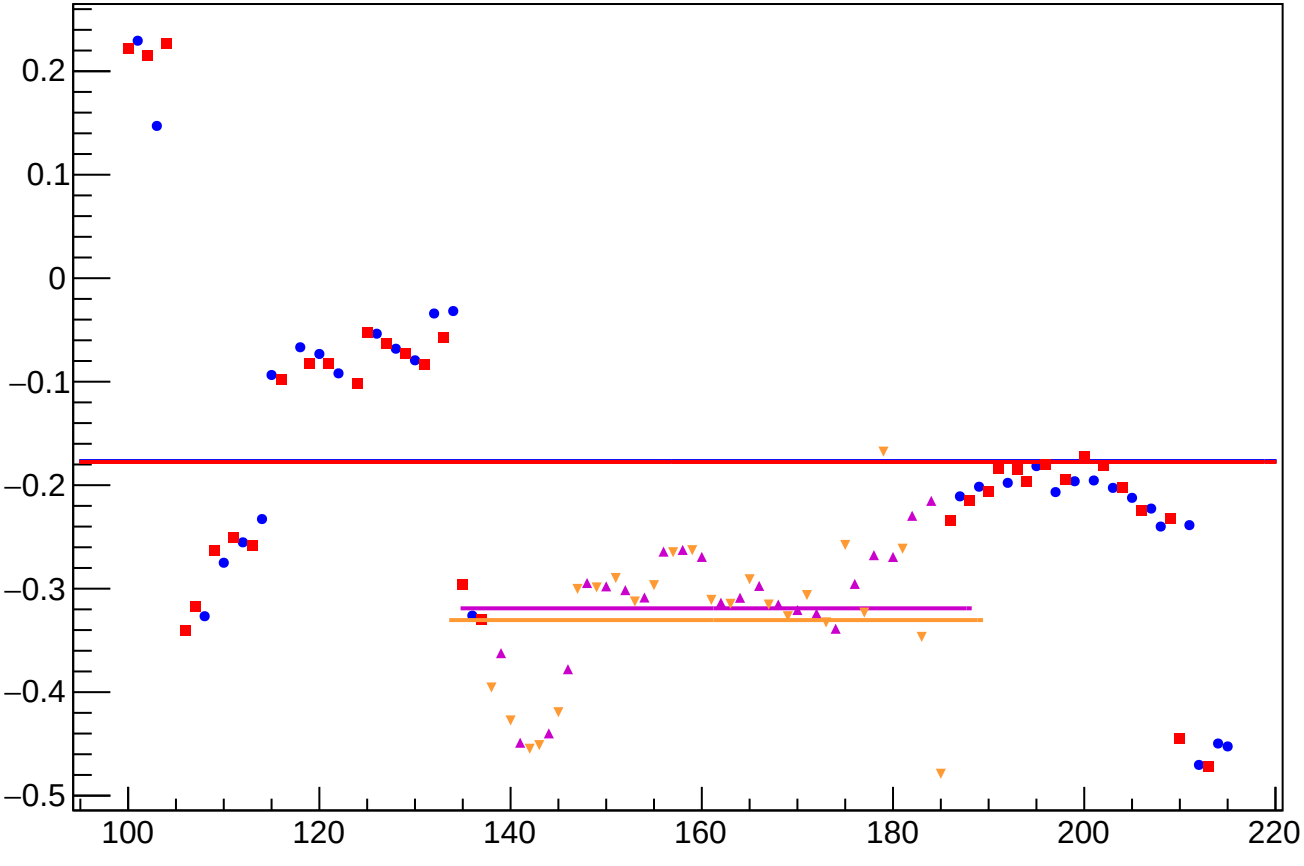
Right: 0.015+/-0.000 χ^2/NDF: 4680236.1/64

In: 0.013+/-0.000 χ^2/NDF:3494595.4/53

Out: 0.013+/-0.000 χ^2/NDF:4211868.3/58

All: 0.013+/-0.000 χ^2/NDF: 7706594.8/112

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.177+/-0.000 χ^2/NDF: 361355708.7/30

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.178+/-0.000 χ^2/NDF: 252301532.8/33

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

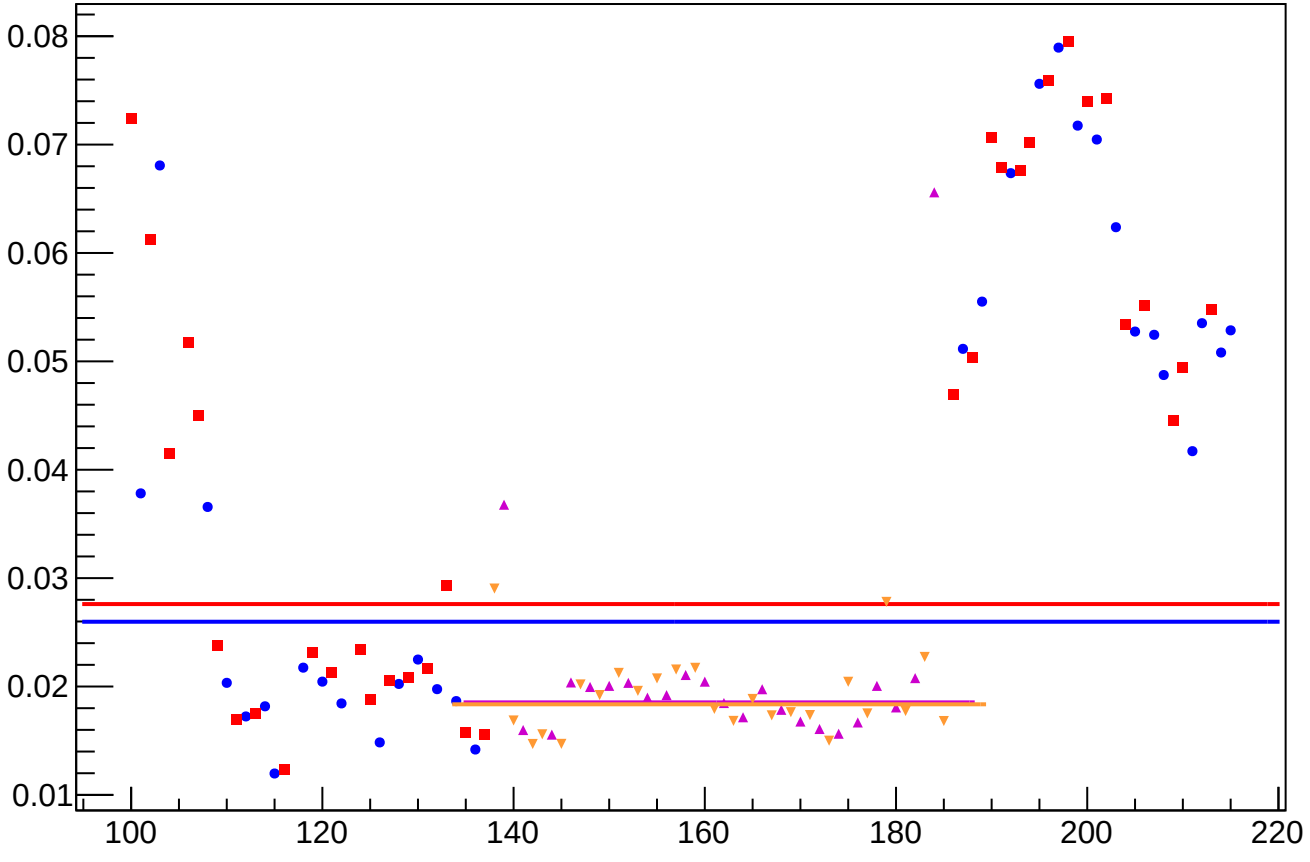
Right: -0.177+/-0.000 χ^2/NDF: 613663985.4/64

In: -0.276+/-0.000 χ^2/NDF:753636127.0/53

Out: -0.290+/-0.000 χ^2/NDF:717851854.3/58

All: -0.283+/-0.000 χ^2/NDF: 1477722331.7/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 10133786.1/30

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.028+/-0.000 χ^2/NDF: 9655022.1/33

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

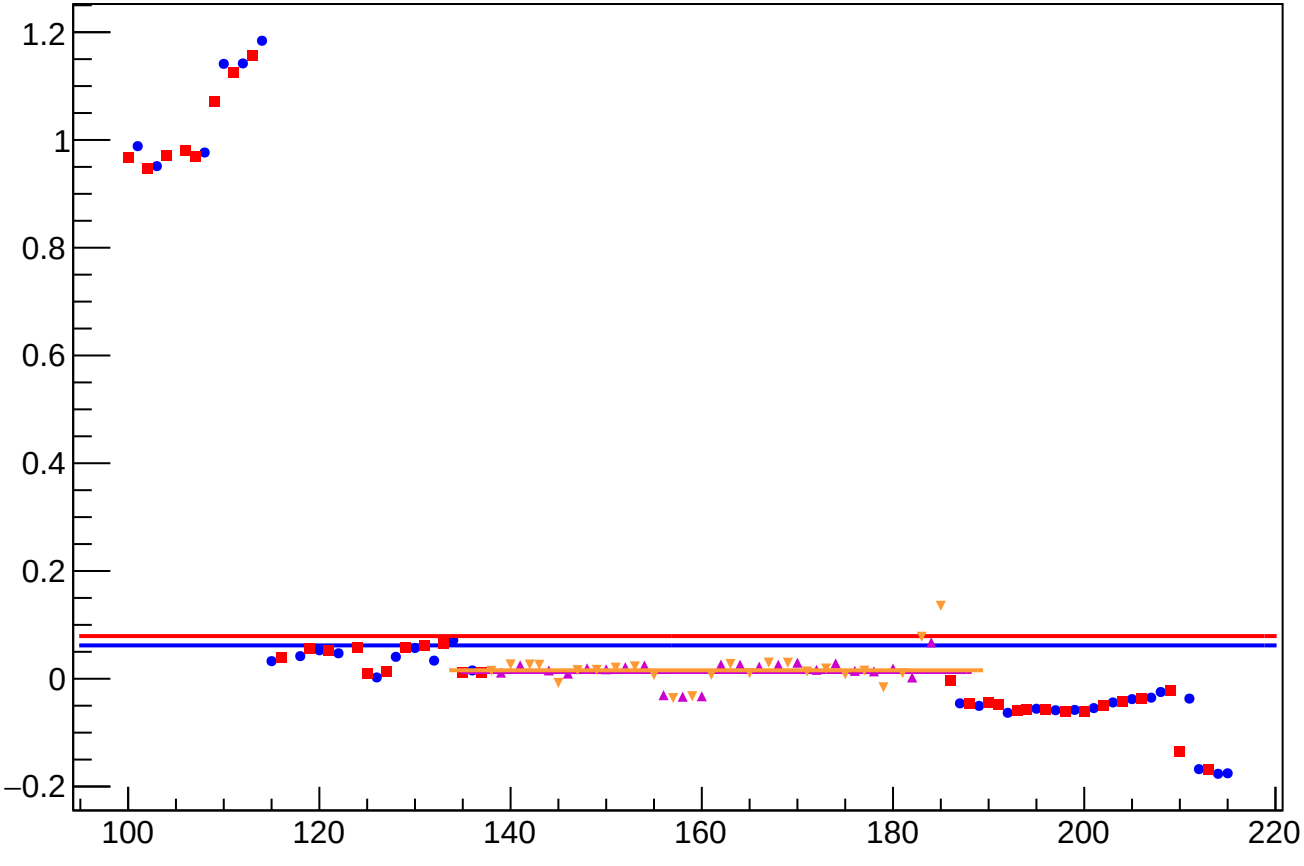
Right: 0.027+/-0.000 χ^2/NDF: 19835289.3/64

In: 0.021+/-0.000 χ^2/NDF:12498553.7/53

Out: 0.021+/-0.000 χ^2/NDF:12464991.5/58

All: 0.021+/-0.000 χ^2/NDF: 24963548.4/112

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8976726969.8/30

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.079+/-0.000 χ^2/NDF: 9511084125.2/33

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

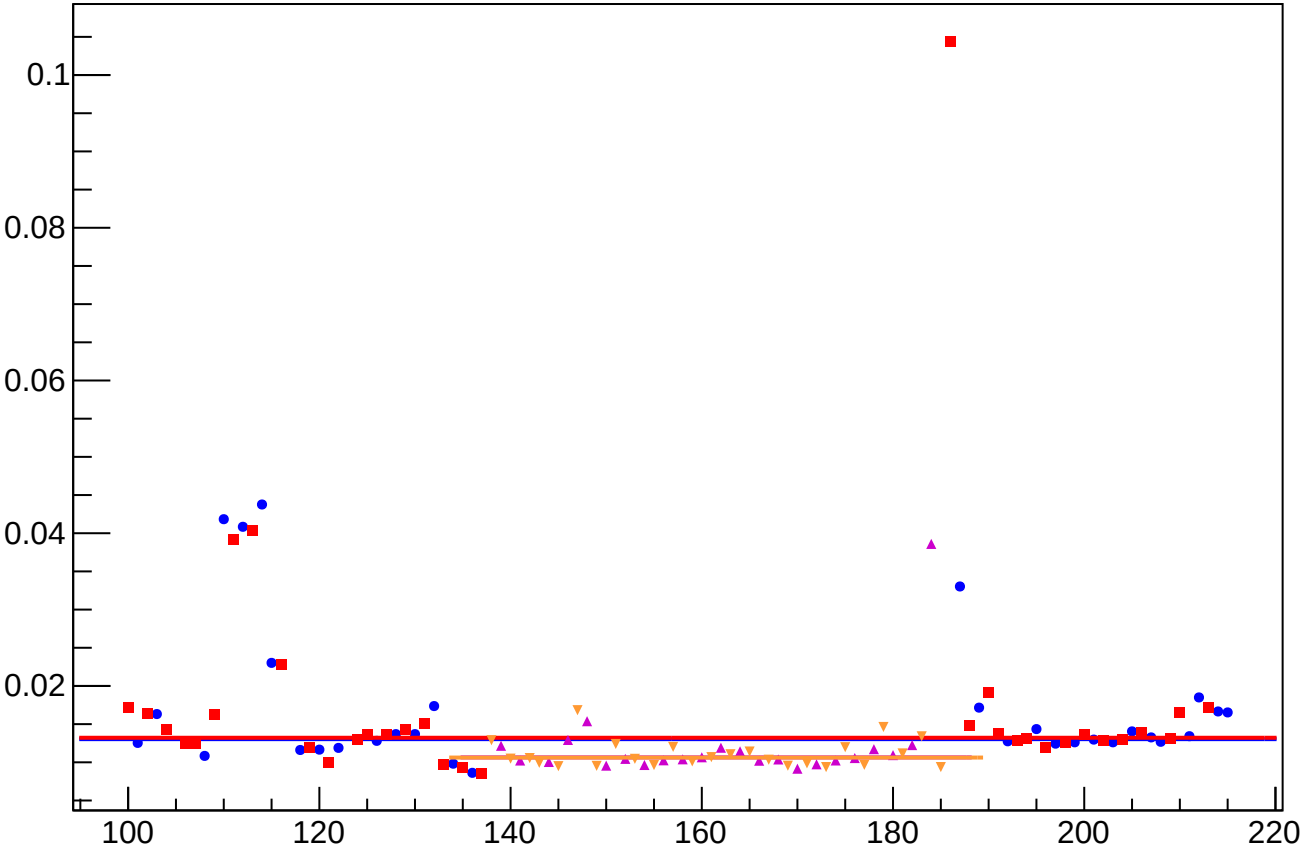
Right: 0.070+/-0.000 χ^2/NDF: 18502582108.8/64

In: 0.032+/-0.000 χ^2/NDF:9183196697.6/53

Out: 0.040+/-0.000 χ^2/NDF:9856228496.7/58

All: 0.036+/-0.000 χ^2/NDF: 19046161800.6/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2090794.9/30

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2288359.4/33

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

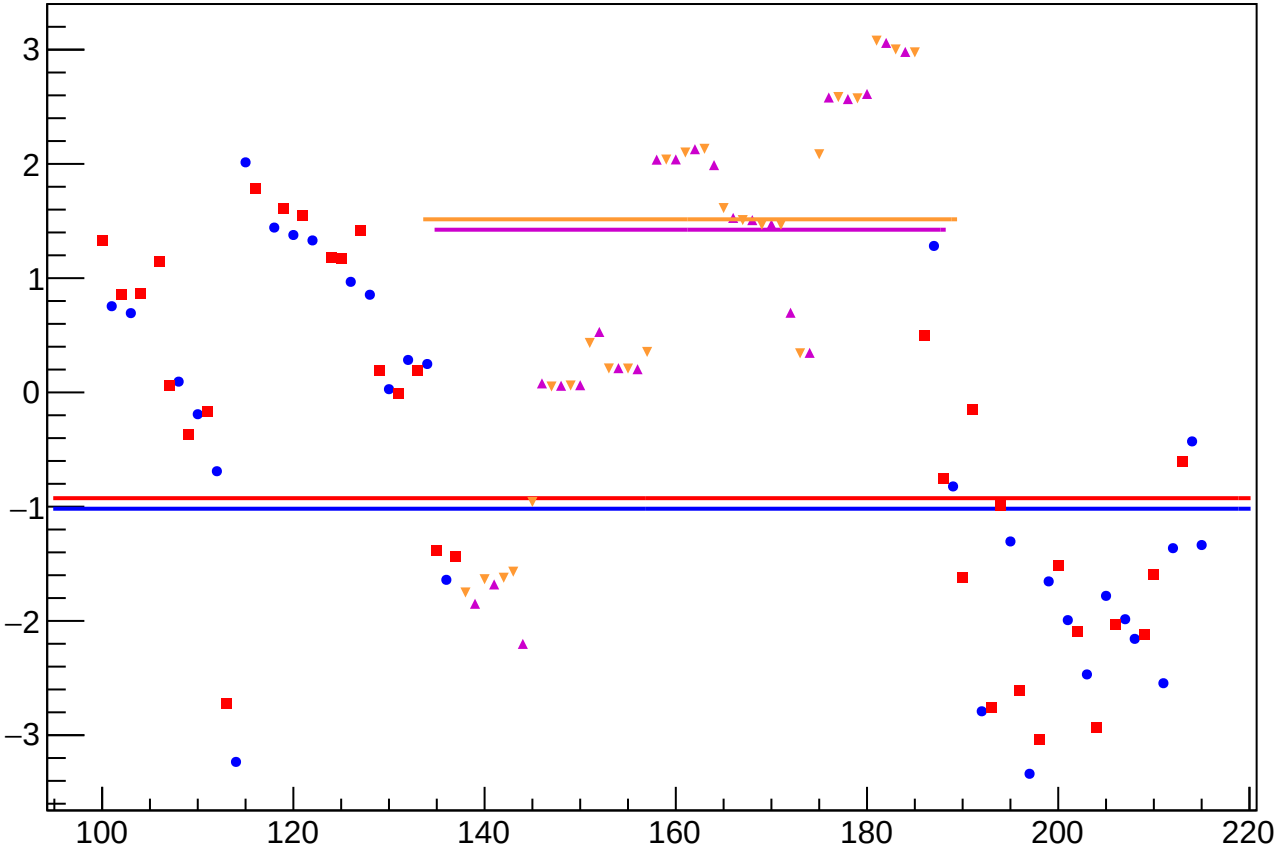
Right: 0.013+/-0.000 χ^2/NDF: 4382359.3/64

In: 0.012+/-0.000 χ^2/NDF:3355810.2/53

Out: 0.012+/-0.000 χ^2/NDF:3713544.6/58

All: 0.012+/-0.000 χ^2/NDF: 7069361.1/112

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -1.018+/-0.000 χ^2/NDF: 9701929493.1/30

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.926+/-0.000 χ^2/NDF: 9664157271.8/33

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

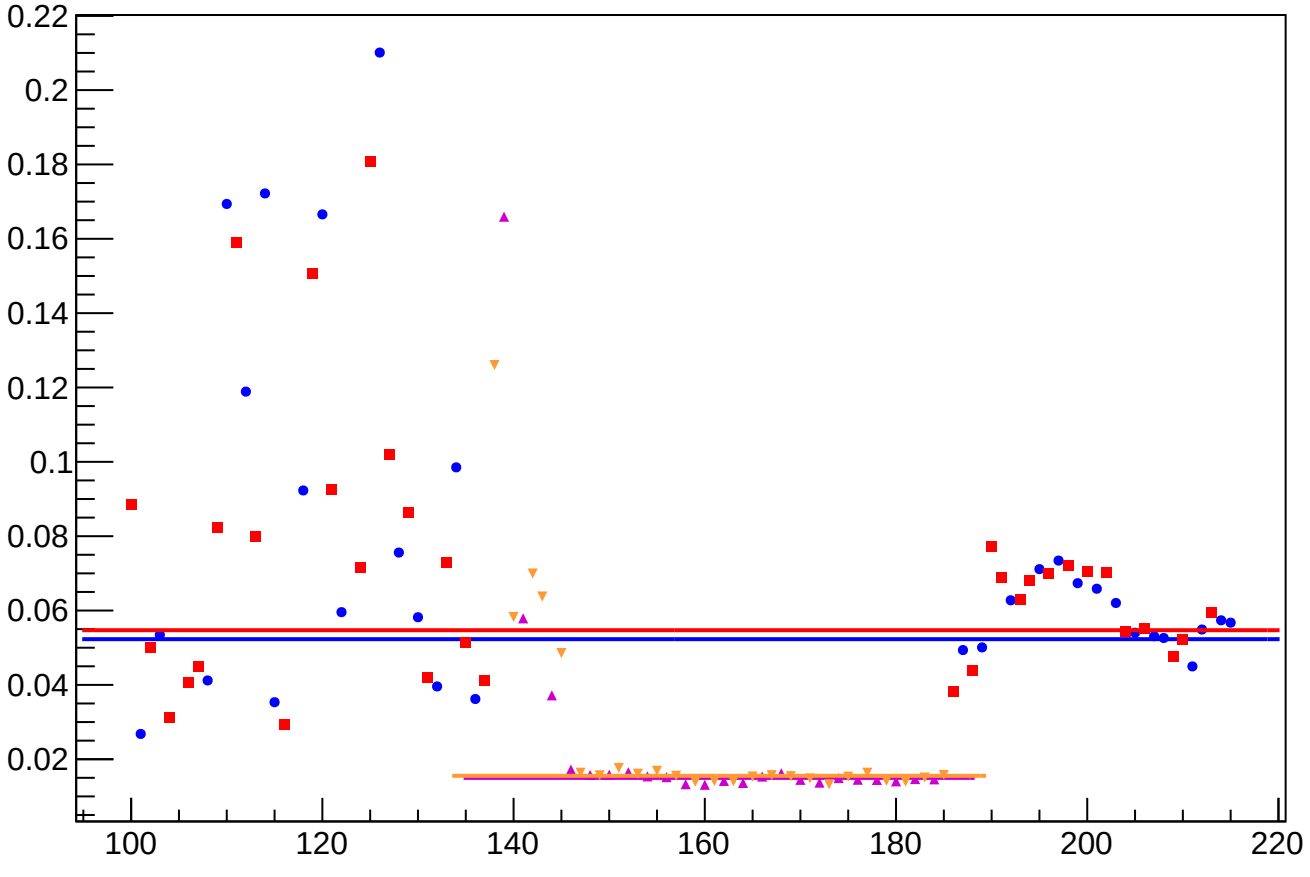
Right: -0.974+/-0.000 χ^2/NDF: 19388147562.9/64

In: 1.229+/-0.000 χ^2/NDF:107395833601.1/53

Out: 1.330+/-0.000 χ^2/NDF:104829615250.0/58

All: 1.279+/-0.000 χ^2/NDF: 212568304171.0

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3622277.3/30

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3195917.3/33

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

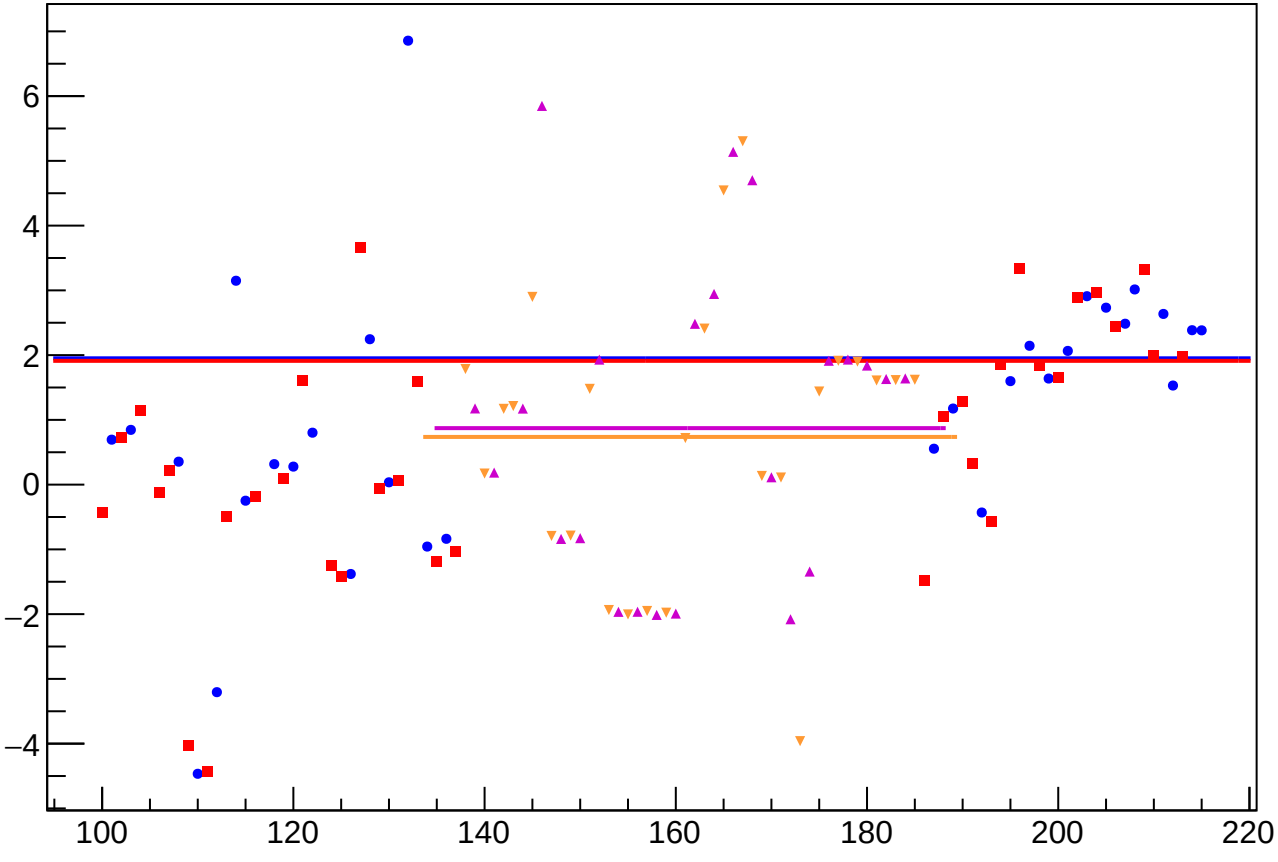
Right: 0.053+/-0.000 χ^2/NDF: 6848283.1/64

In: 0.018+/-0.000 χ^2/NDF:19655458.4/53

Out: 0.019+/-0.000 χ^2/NDF:20275446.3/58

All: 0.018+/-0.000 χ^2/NDF: 39951143.6/112

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.951+/-0.000 χ^2/NDF: 41567070098.4/30

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.912+/-0.000 χ^2/NDF: 44568119440.6/33

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

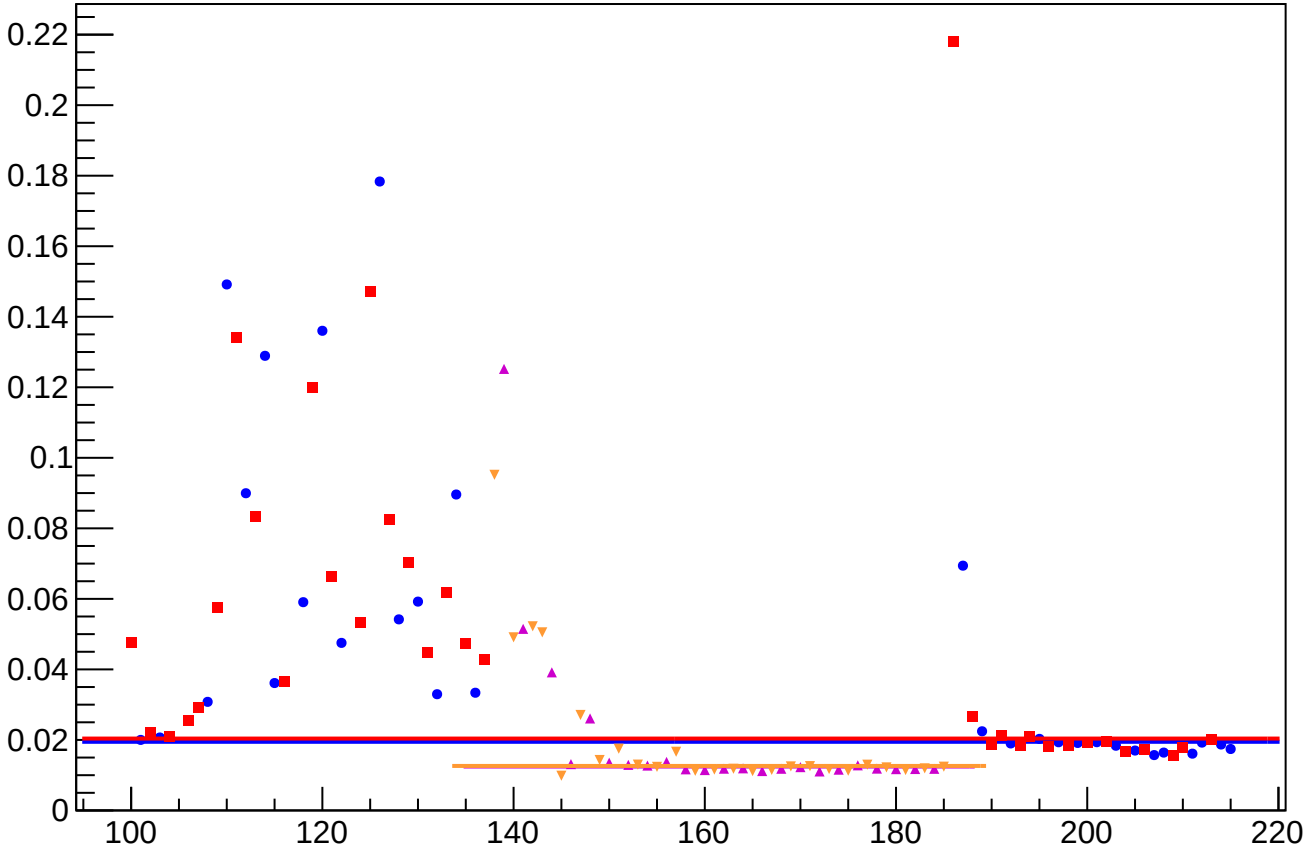
Right: 1.932+/-0.000 χ^2/NDF: 86160633497.9/64

In: 1.157+/-0.000 χ^2/NDF:692120824101.4/53

Out: 1.020+/-0.000 χ^2/NDF:613642709232.2/58

All: 1.090+/-0.000 χ^2/NDF: 1306998906470.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 4500879.4/30

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5525900.2/33

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

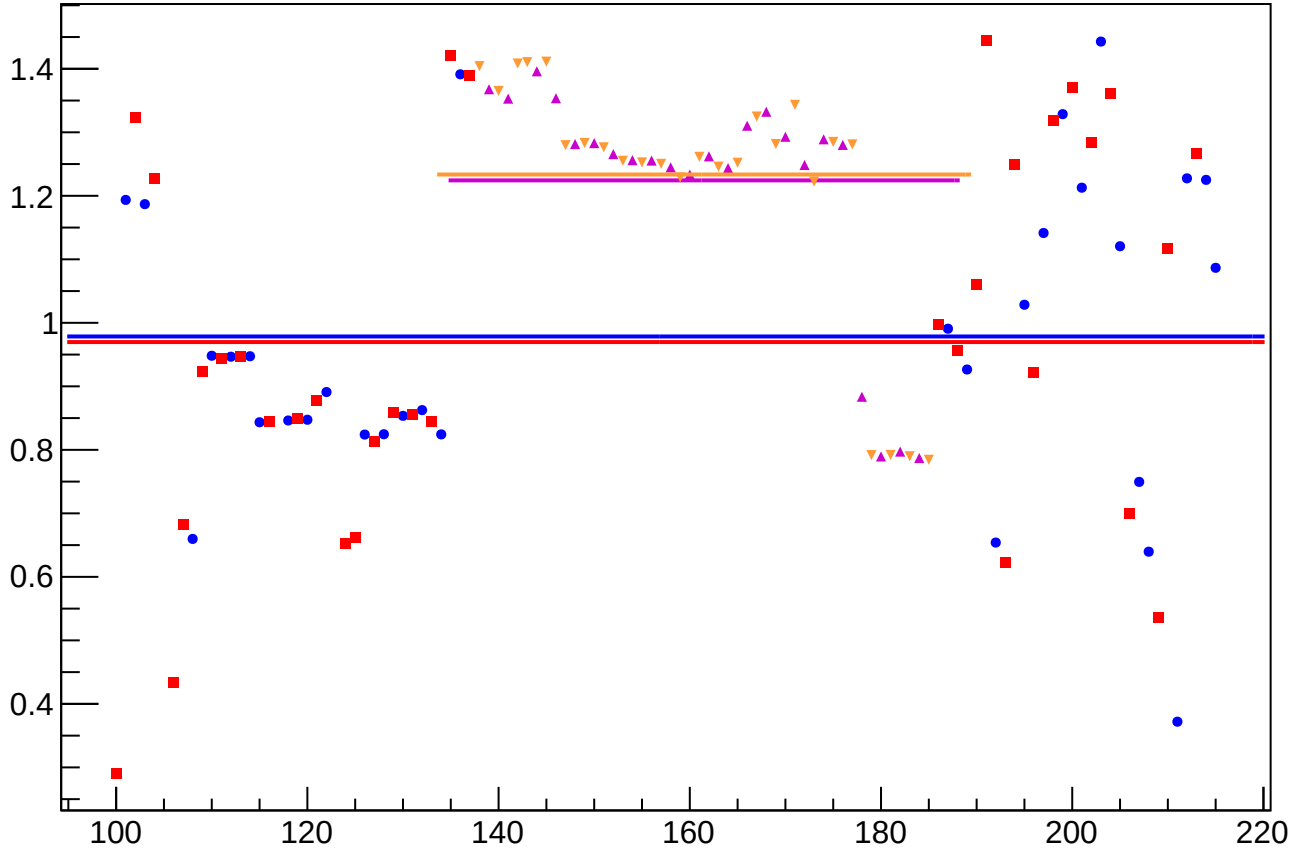
Right: 0.020+/-0.000 χ^2/NDF: 10054929.9/64

In: 0.014+/-0.000 χ^2/NDF:9827919.4/53

Out: 0.014+/-0.000 χ^2/NDF:11607379.2/58

All: 0.014+/-0.000 χ^2/NDF: 21440170.5/112

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.979+/-0.000 χ^2/NDF: 2288401534.5/30

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.970+/-0.000 χ^2/NDF: 2514328501.2/33

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

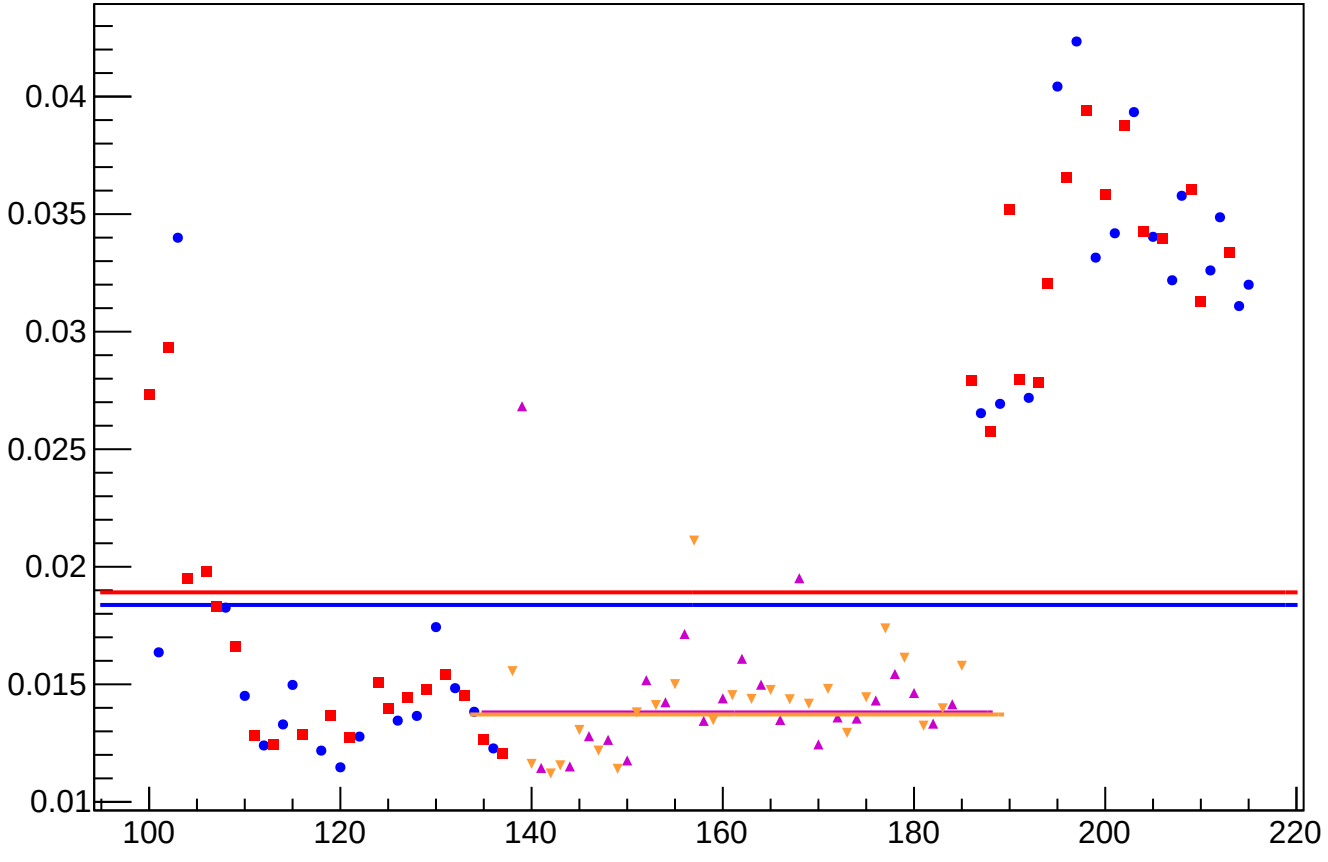
Right: 0.974+/-0.000 χ^2/NDF: 4804345391.7/64

In: 1.143+/-0.000 χ^2/NDF:6654171578.9/53

Out: 1.152+/-0.000 χ^2/NDF:7506836964.2/58

All: 1.147+/-0.000 χ^2/NDF: 14166281537.5/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 6504970.3/30

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.019+/-0.000 χ^2/NDF: 5702017.4/33

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

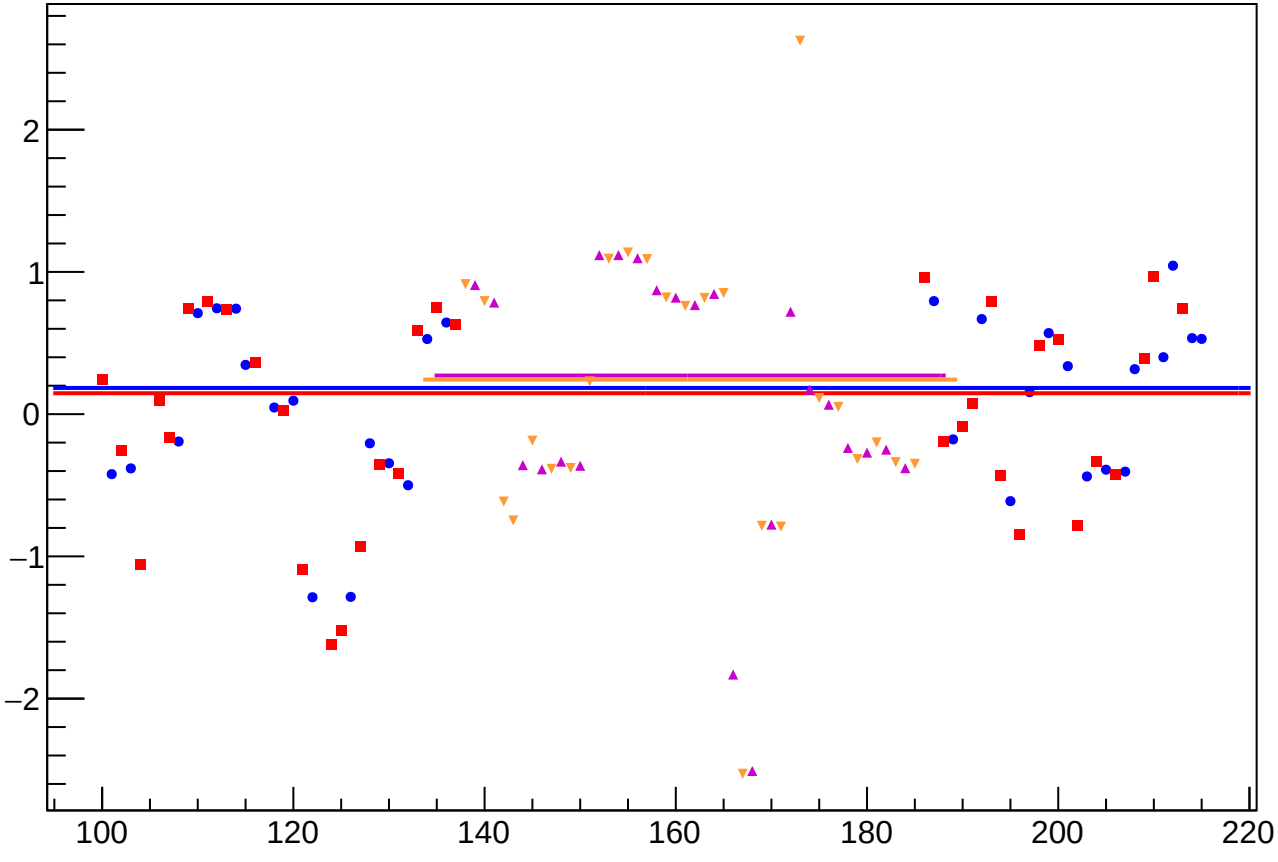
Right: 0.019+/-0.000 χ^2/NDF: 12218912.3/64

In: 0.015+/-0.000 χ^2/NDF:8559878.9/53

Out: 0.015+/-0.000 χ^2/NDF:7763688.9/58

All: 0.015+/-0.000 χ^2/NDF: 16323572.3/112

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.184+/-0.000 χ^2/NDF: 35554438591.9/30

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.147+/-0.000 χ^2/NDF: 48272447677.8/33

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

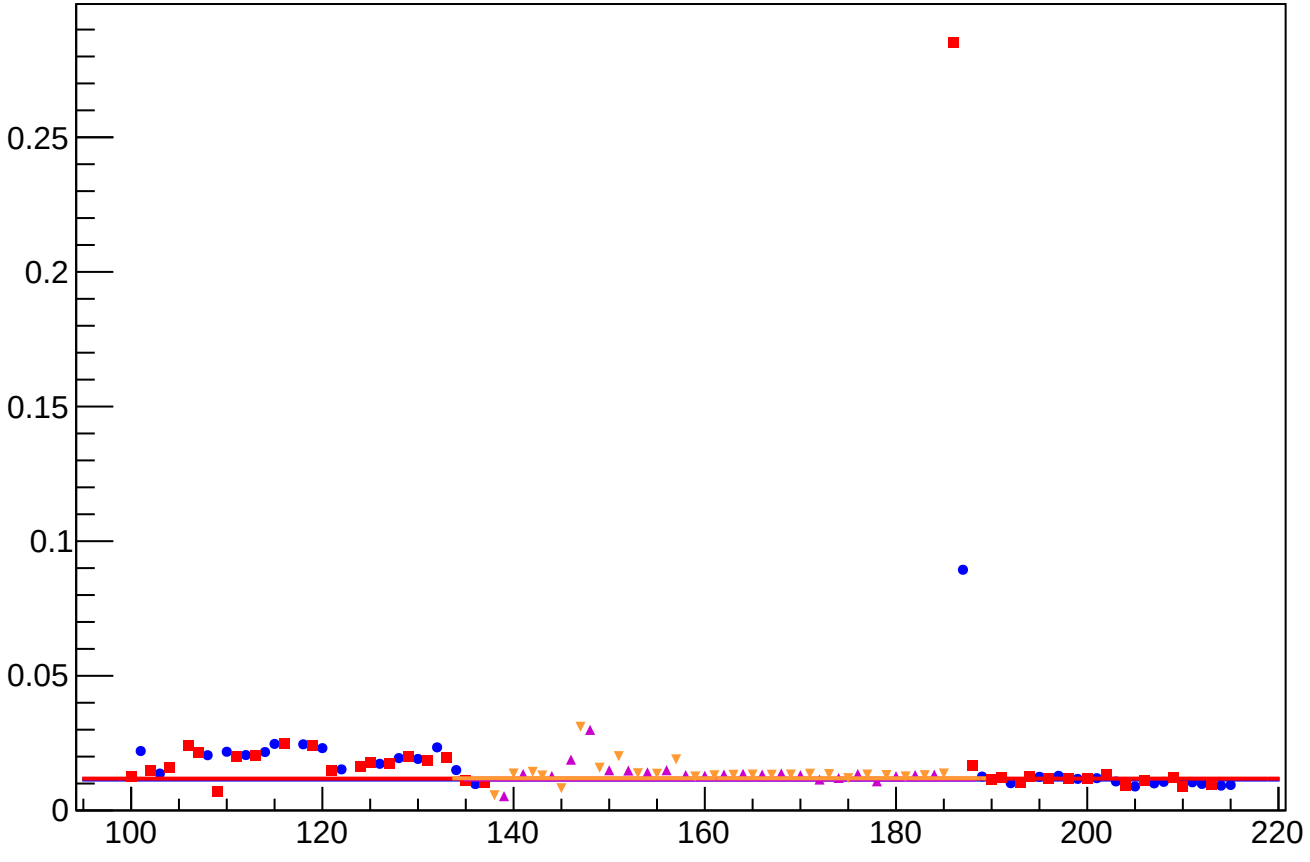
Right: 0.167+/-0.000 χ^2/NDF: 83906190683.7/64

In: 0.227+/-0.000 χ^2/NDF:126508060397.8/53

Out: 0.197+/-0.000 χ^2/NDF:154388689405.4/58

All: 0.212+/-0.000 χ^2/NDF: 281004535930.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2843458.0/30

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3236289.6/33

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

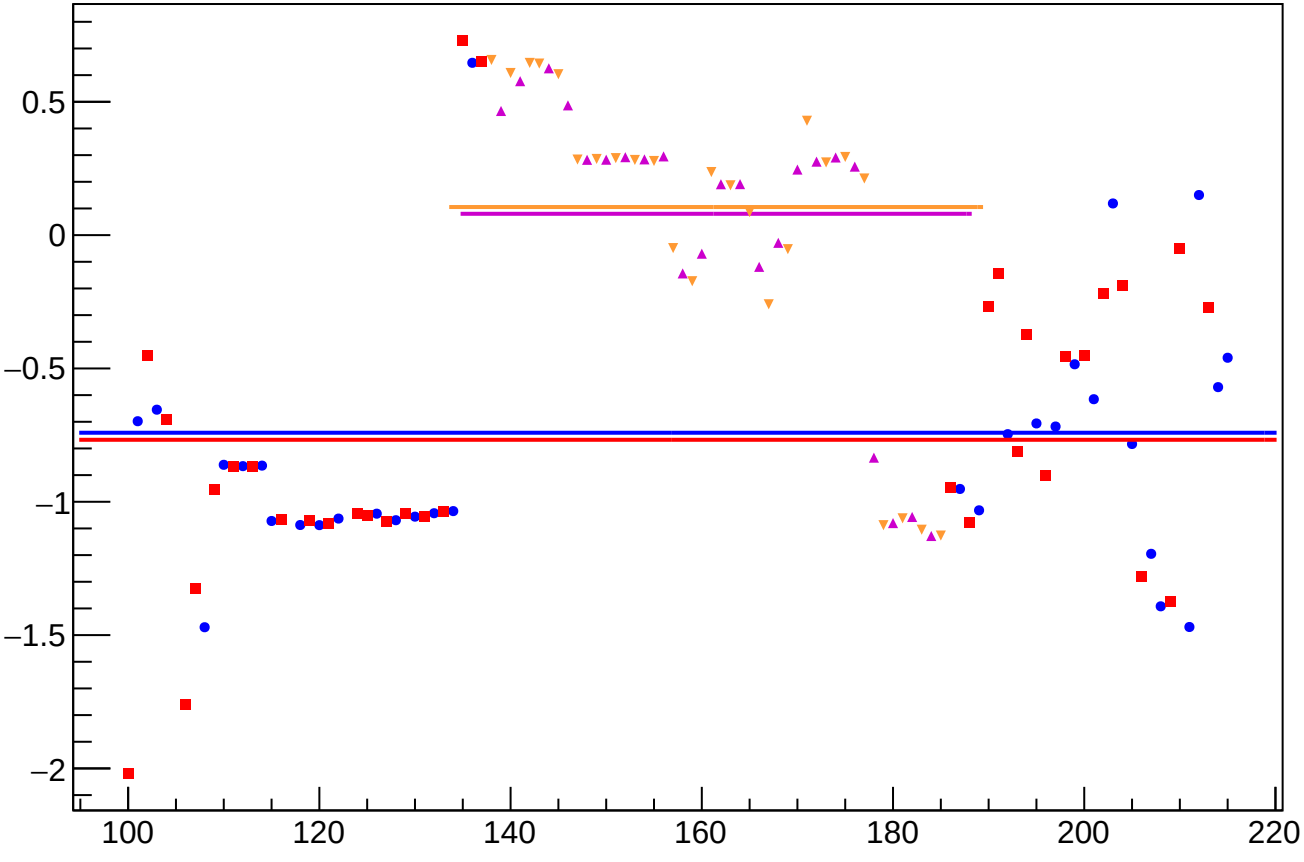
Right: 0.012+/-0.000 χ^2/NDF: 6094578.3/64

In: 0.011+/-0.000 χ^2/NDF:6514595.4/53

Out: 0.012+/-0.000 χ^2/NDF:6503972.9/58

All: 0.012+/-0.000 χ^2/NDF: 13058173.9/112

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.741+/-0.000 χ^2/NDF: 2406468847.6/30

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.768+/-0.000 χ^2/NDF: 2241329871.0/33

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

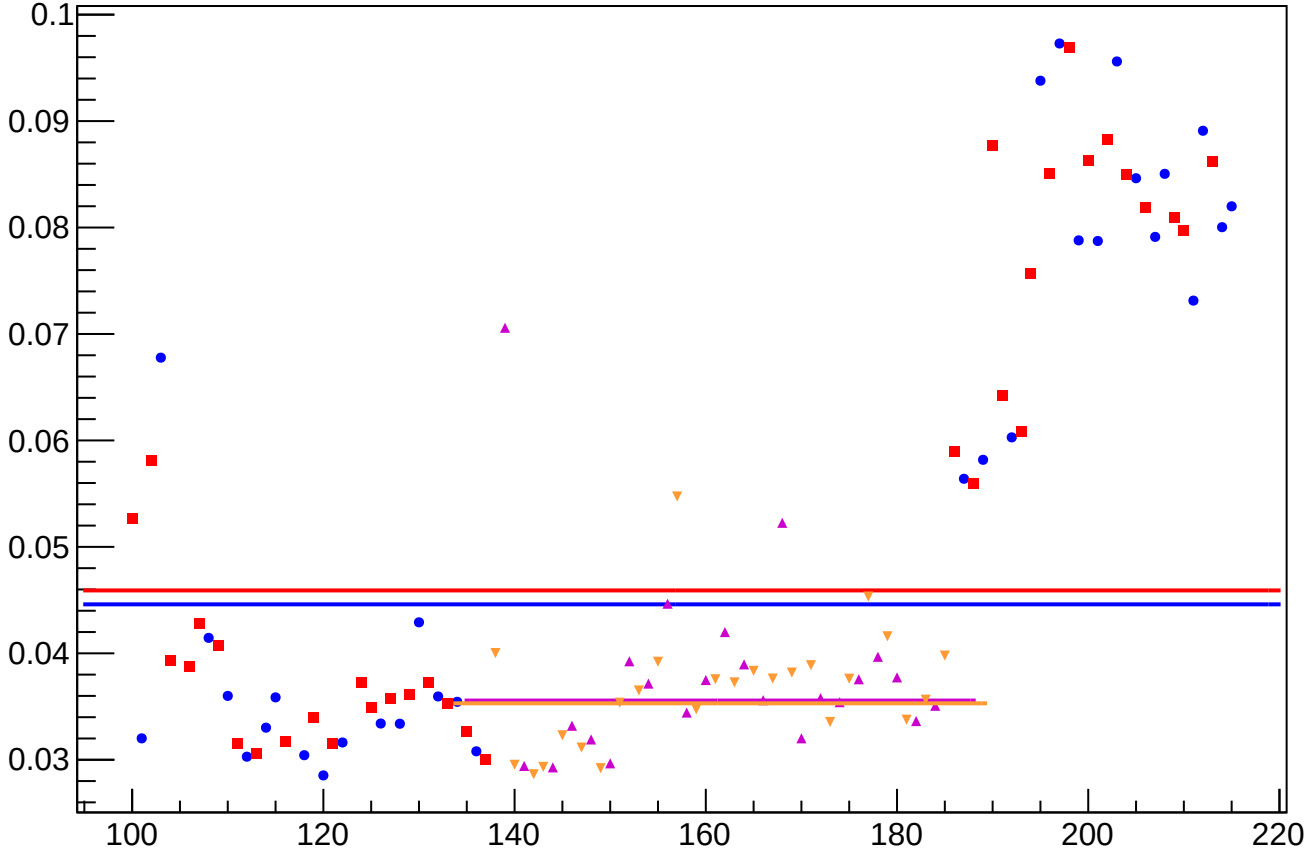
Right: -0.754+/-0.000 χ^2/NDF: 4650323721.4/64

In: -0.222+/-0.000 χ^2/NDF:8830907505.1/53

Out: -0.194+/-0.000 χ^2/NDF:9556104310.1/58

All: -0.208+/-0.000 χ^2/NDF: 18394912223.5/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF: 6271046.8/30

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.046+/-0.000 χ^2/NDF: 5243809.3/33

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

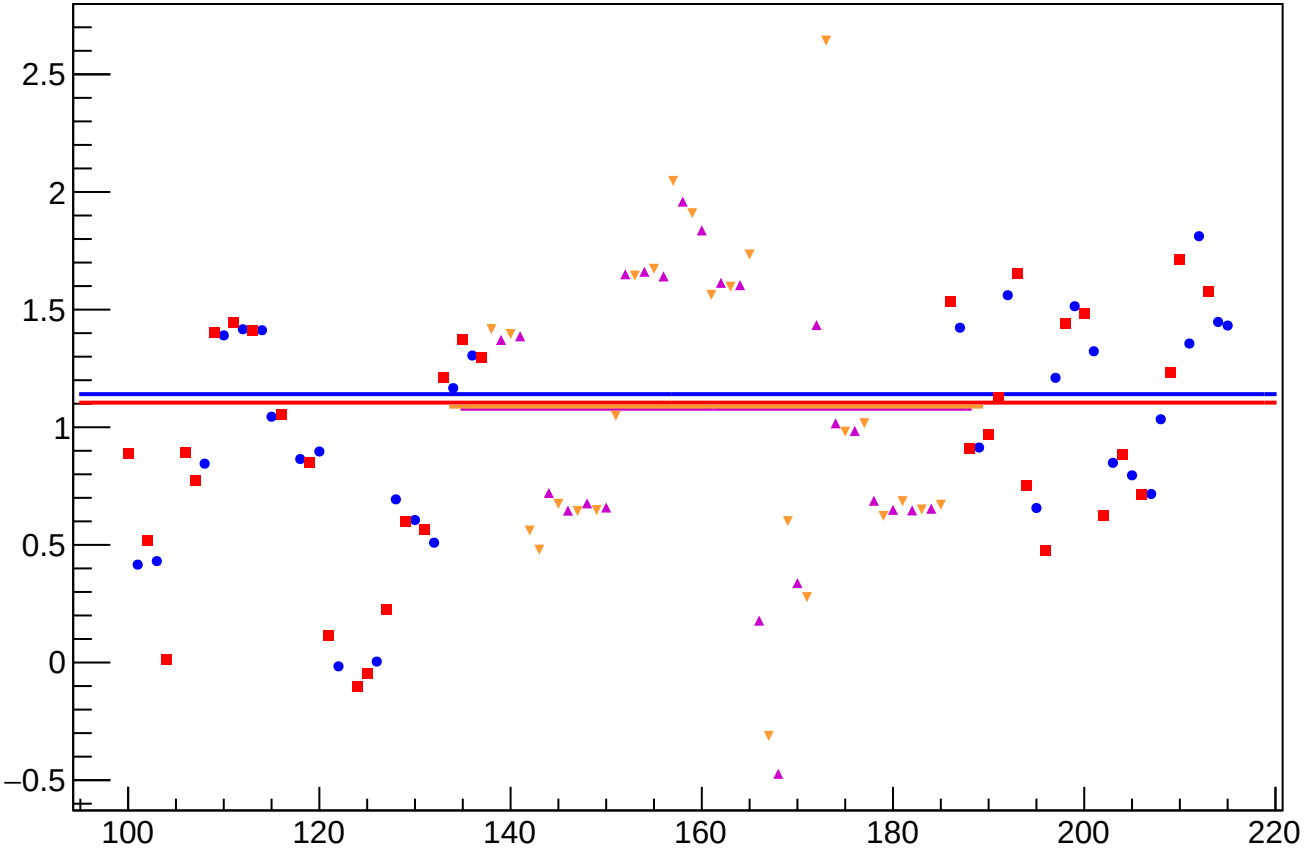
Right: 0.045+/-0.000 χ^2/NDF: 11527213.5/64

In: 0.039+/-0.000 χ^2/NDF:7995898.8/53

Out: 0.039+/-0.000 χ^2/NDF:6897899.3/58

All: 0.039+/-0.000 χ^2/NDF: 14893859.8/112

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.141+/-0.000 χ^2/NDF: 51173354601.6/30

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.105+/-0.000 χ^2/NDF: 56943219827.2/33

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

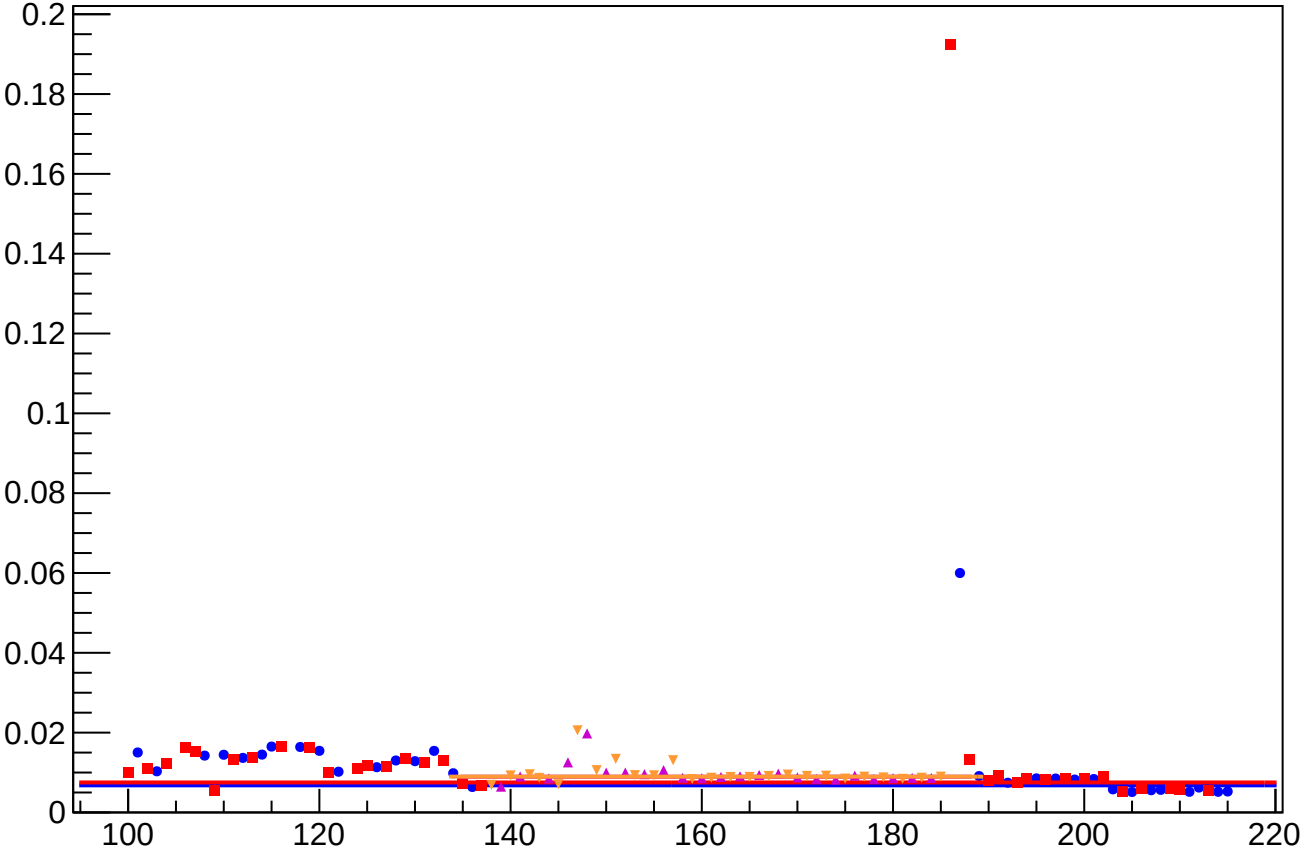
Right: 1.125+/-0.000 χ^2/NDF: 108314106937.4/64

In: 1.117+/-0.000 χ^2/NDF:125758235981.1/53

Out: 1.097+/-0.000 χ^2/NDF:150829881592.4/58

All: 1.108+/-0.000 χ^2/NDF: 276693133817.9

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4180482.1/30

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4137154.7/33

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

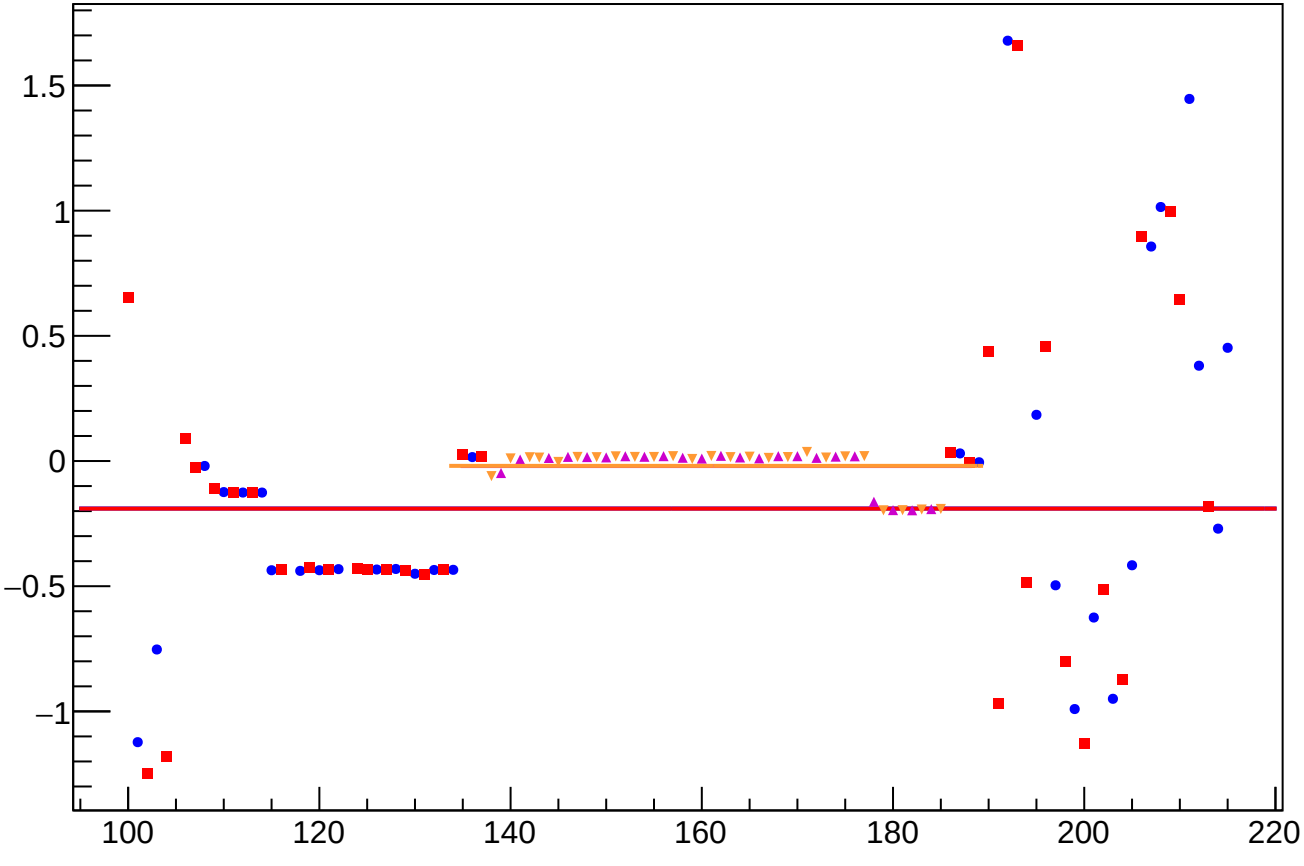
Right: 0.007+/-0.000 χ^2/NDF: 8474750.0/64

In: 0.008+/-0.000 χ^2/NDF:6358164.8/53

Out: 0.008+/-0.000 χ^2/NDF:5806504.9/58

All: 0.008+/-0.000 χ^2/NDF: 12325705.2/112

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.190+/-0.000 χ^2/NDF: 6213657019.8/30

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4546447973.4/33

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

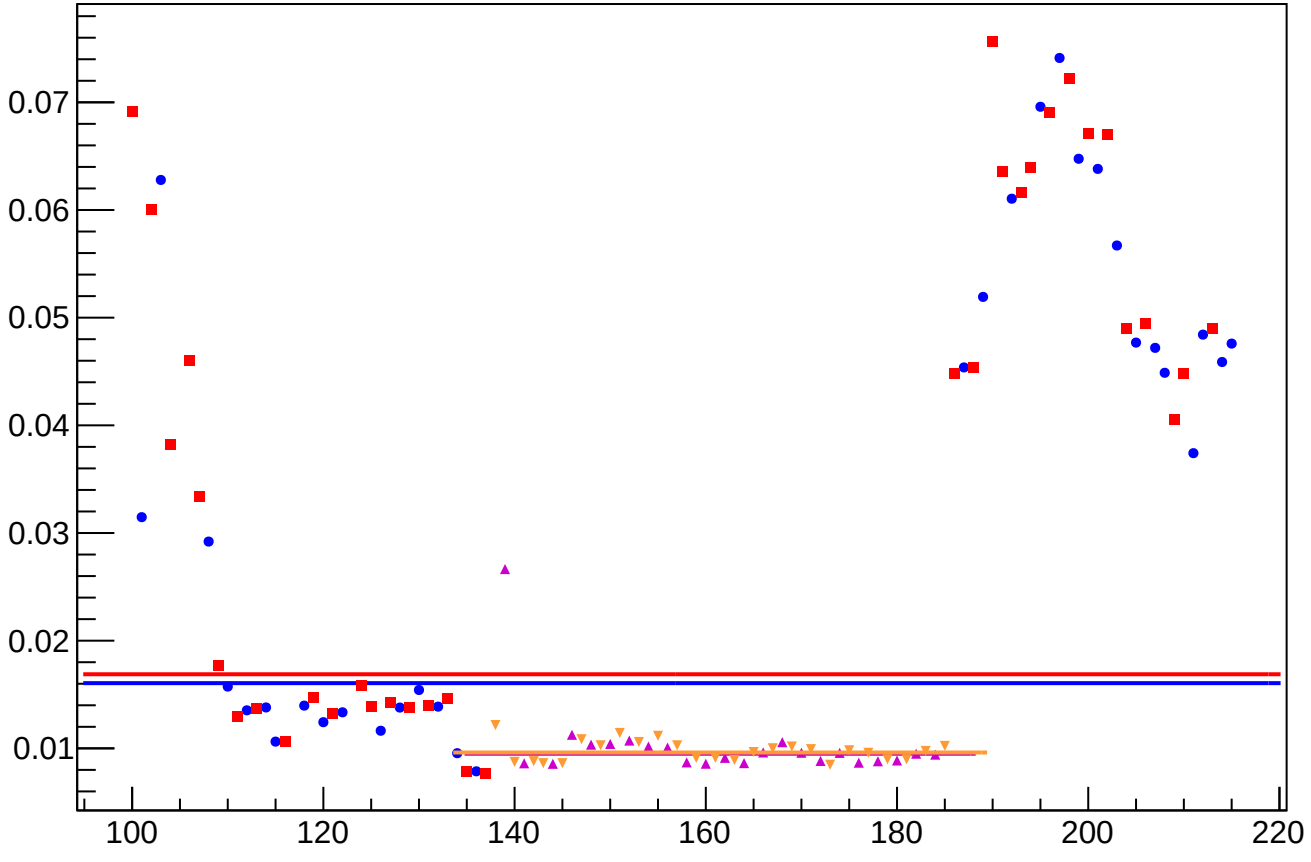
Right: -0.190+/-0.000 χ^2/NDF: 10760110799.6/64

In: -0.052+/-0.000 χ^2/NDF:8124868787.9/53

Out: -0.048+/-0.000 χ^2/NDF:6470555018.5/58

All: -0.050+/-0.000 χ^2/NDF: 14597638055.3/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 14354894.9/30

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.017+/-0.000 χ^2/NDF: 14016246.8/33

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

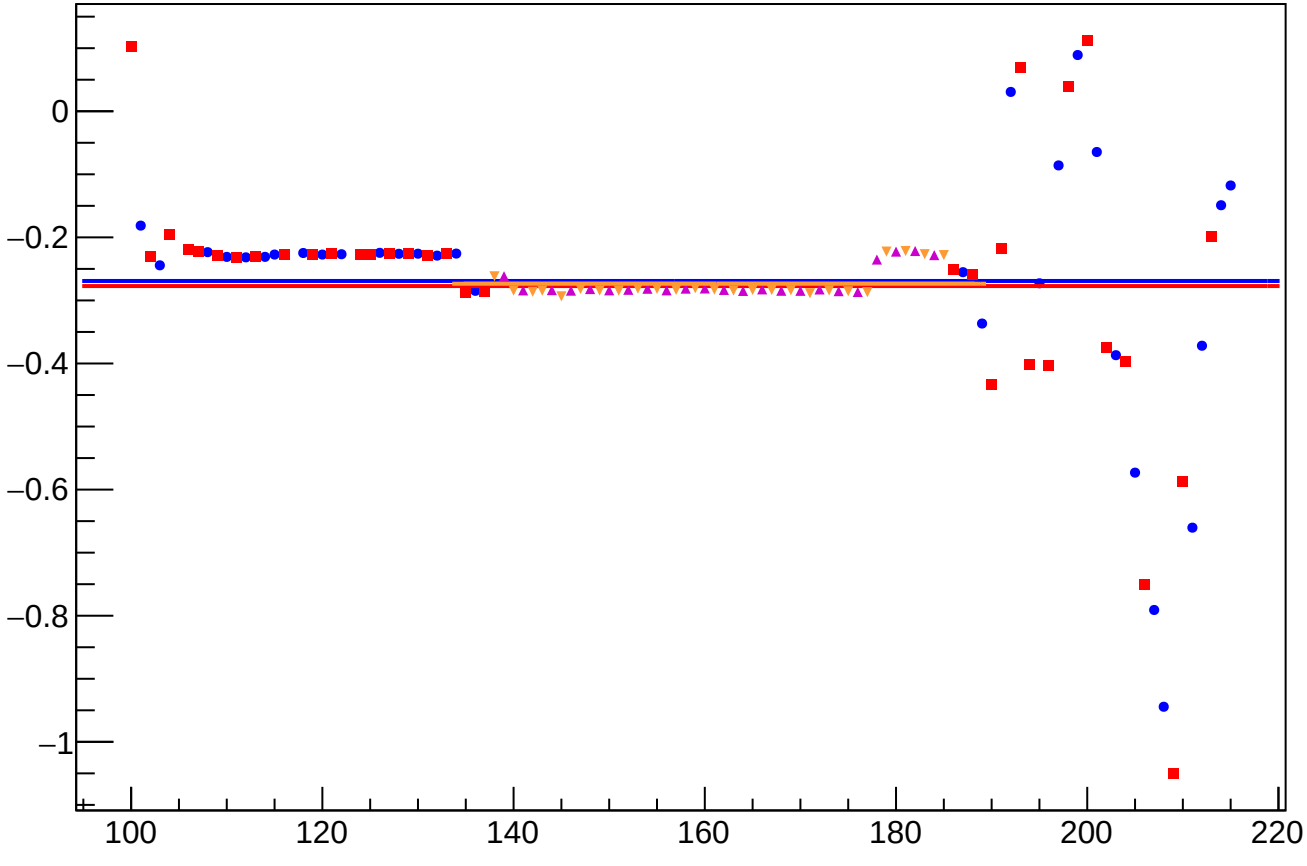
Right: 0.016+/-0.000 χ^2/NDF: 28396746.0/64

In: 0.011+/-0.000 χ^2/NDF:18028583.7/53

Out: 0.011+/-0.000 χ^2/NDF:17418229.5/58

All: 0.011+/-0.000 χ^2/NDF: 35448151.7/112

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.269+/-0.000 χ^2/NDF: 27517331080.9/30

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.277+/-0.000 χ^2/NDF: 27347624174.4/33

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

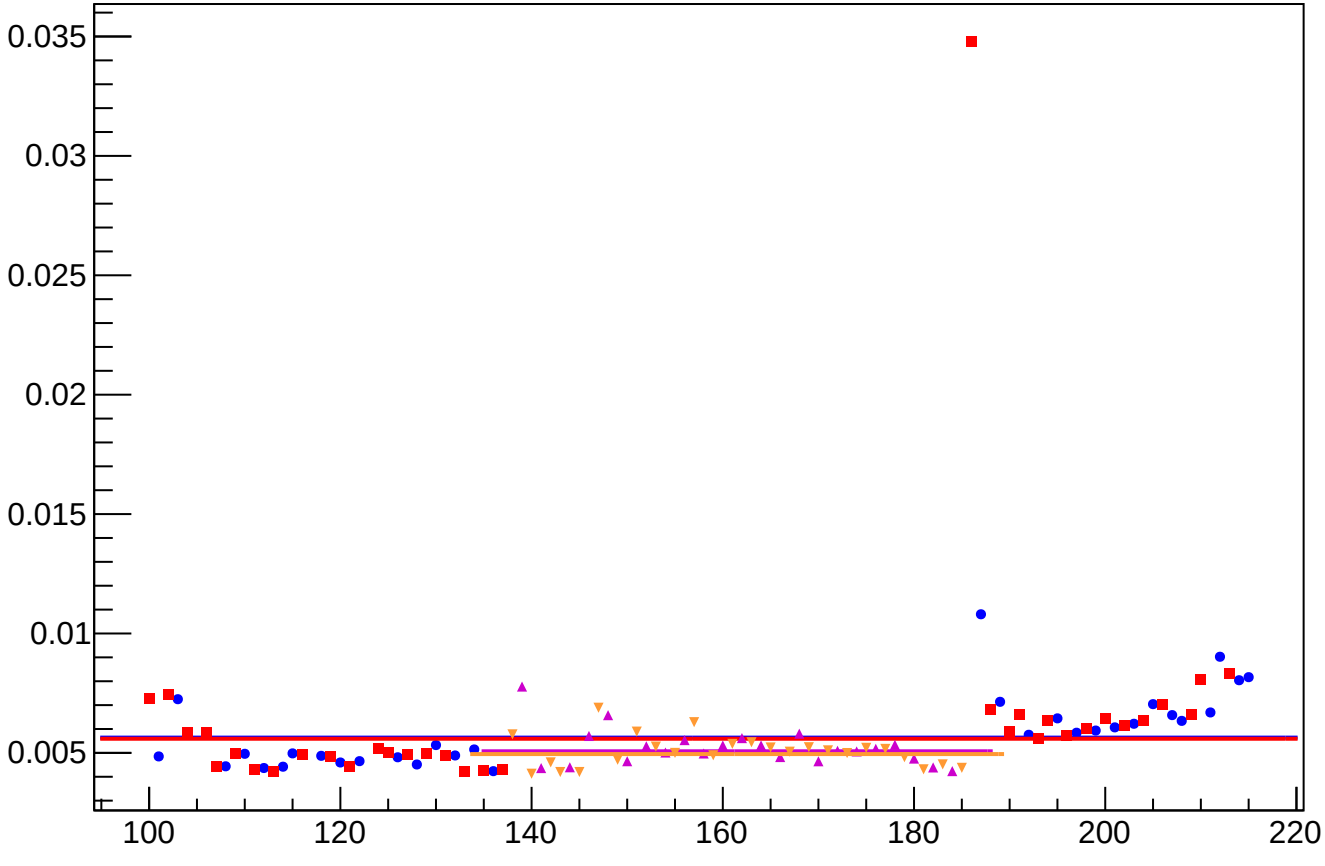
Right: -0.273+/-0.000 χ^2/NDF: 54882591715.7/64

In: -0.271+/-0.000 χ^2/NDF:27856097292.2/53

Out: -0.275+/-0.000 χ^2/NDF:27747444729.4/58

All: -0.273+/-0.000 χ^2/NDF: 55613594425.3/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1507053.3/30

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1818321.3/33

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

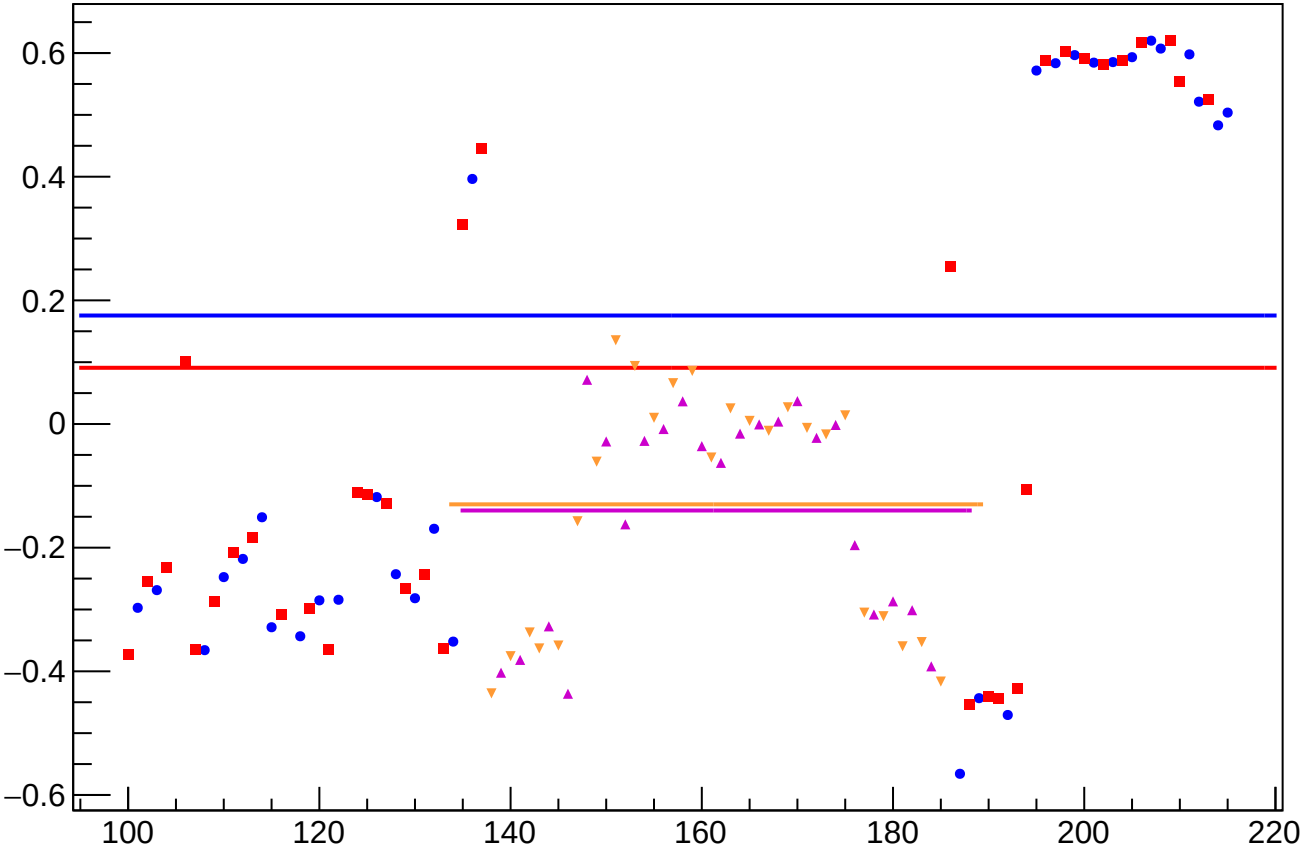
Right: 0.006+/-0.000 χ^2/NDF: 3326564.5/64

In: 0.005+/-0.000 χ^2/NDF:2242726.8/53

Out: 0.005+/-0.000 χ^2/NDF:2604738.8/58

All: 0.005+/-0.000 χ^2/NDF: 4860172.3/112

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.175+/-0.000 χ^2/NDF: 74435642920.9/30

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.091+/-0.000 χ^2/NDF: 71908585461.2/33

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

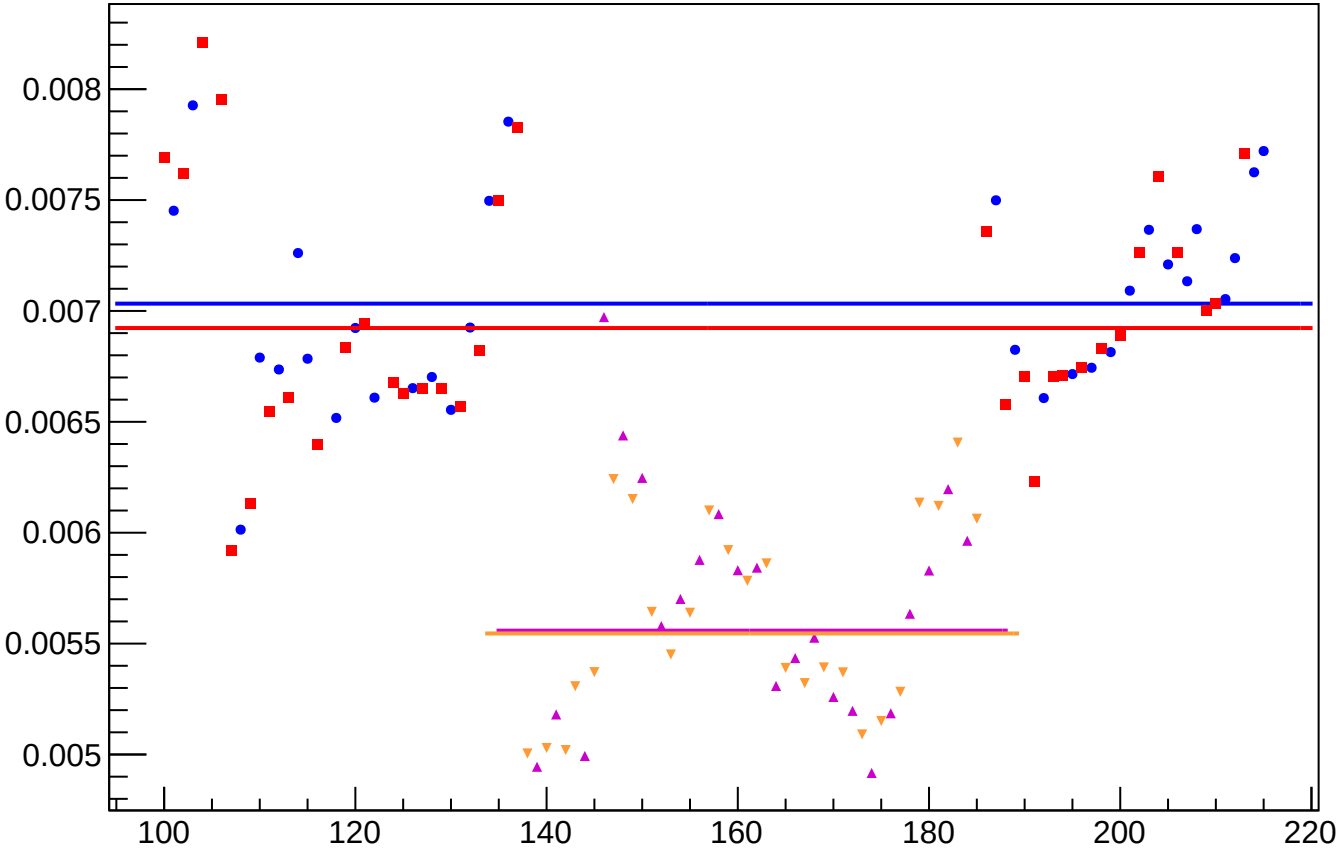
Right: 0.133+/-0.000 χ^2/NDF: 147719270378.1/64

In: -0.012+/-0.000 χ^2/NDF:112168934660.6/53

Out: -0.043+/-0.000 χ^2/NDF:104859113483.0/58

All: -0.028+/-0.000 χ^2/NDF: 217496943717.5

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 142165.4/30

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 162204.8/33

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

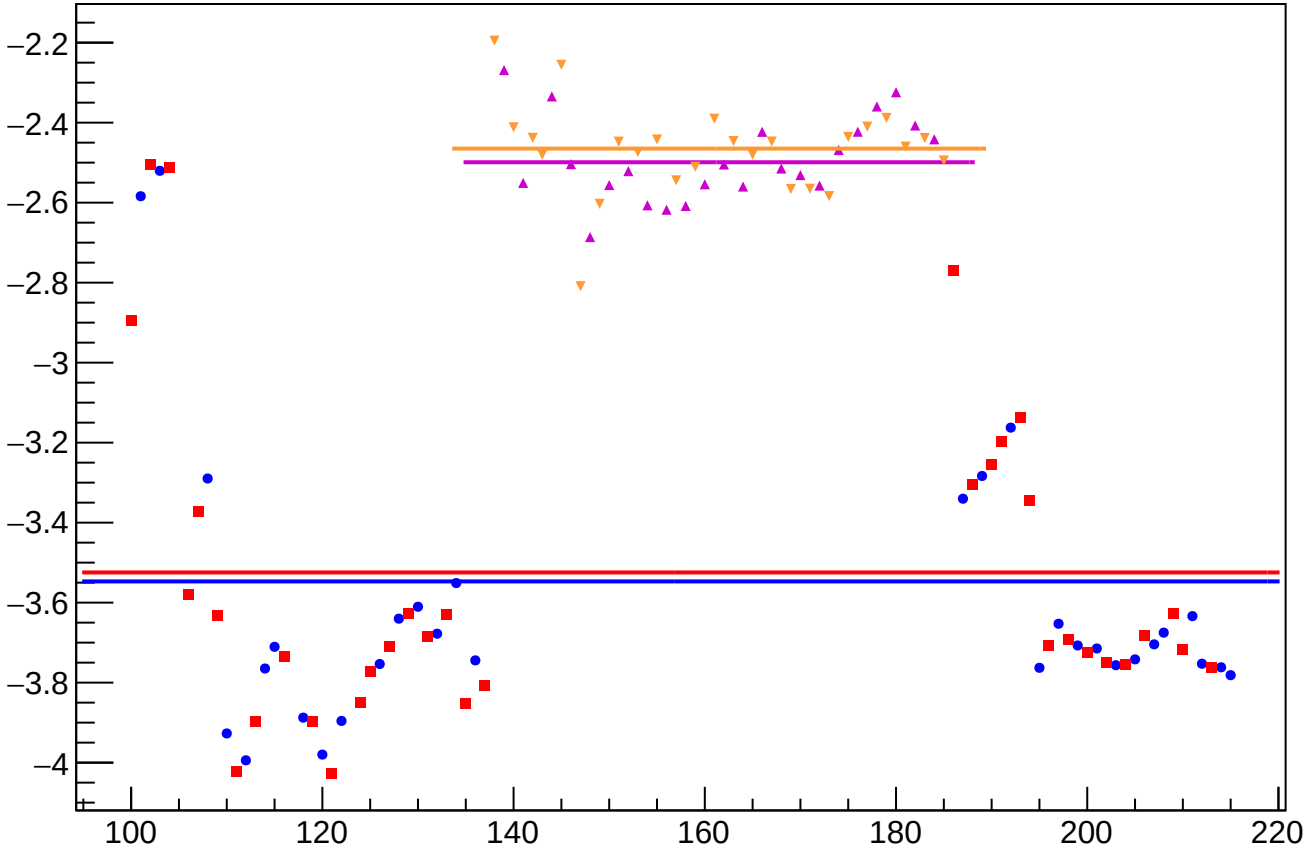
Right: 0.007+/-0.000 χ^2/NDF: 309027.9/64

In: 0.006+/-0.000 χ^2/NDF:1390573.4/53

Out: 0.006+/-0.000 χ^2/NDF:1254730.0/58

All: 0.006+/-0.000 χ^2/NDF: 2649969.9/112

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.547+/-0.000 χ^2/NDF: 33673600332.5/30

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.524+/-0.000 χ^2/NDF: 35202922369.7/33

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

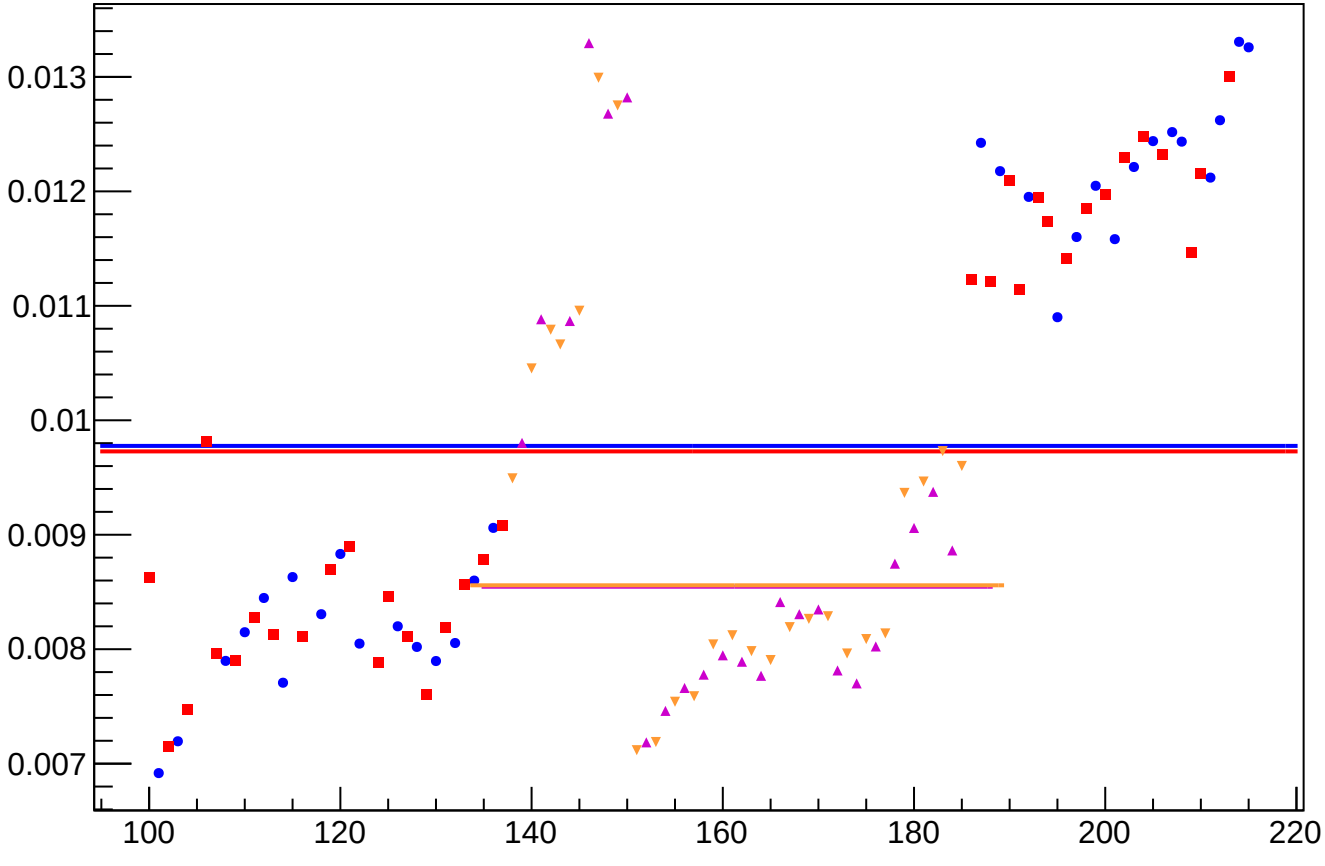
Right: -3.536+/-0.000 χ^2/NDF: 68924053853.4/64

In: -2.967+/-0.000 χ^2/NDF:150578831689.1/53

Out: -2.923+/-0.000 χ^2/NDF:157171422162.2/58

All: -2.944+/-0.000 χ^2/NDF: 308155520900.9

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1741894.0/30

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1433555.8/33

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

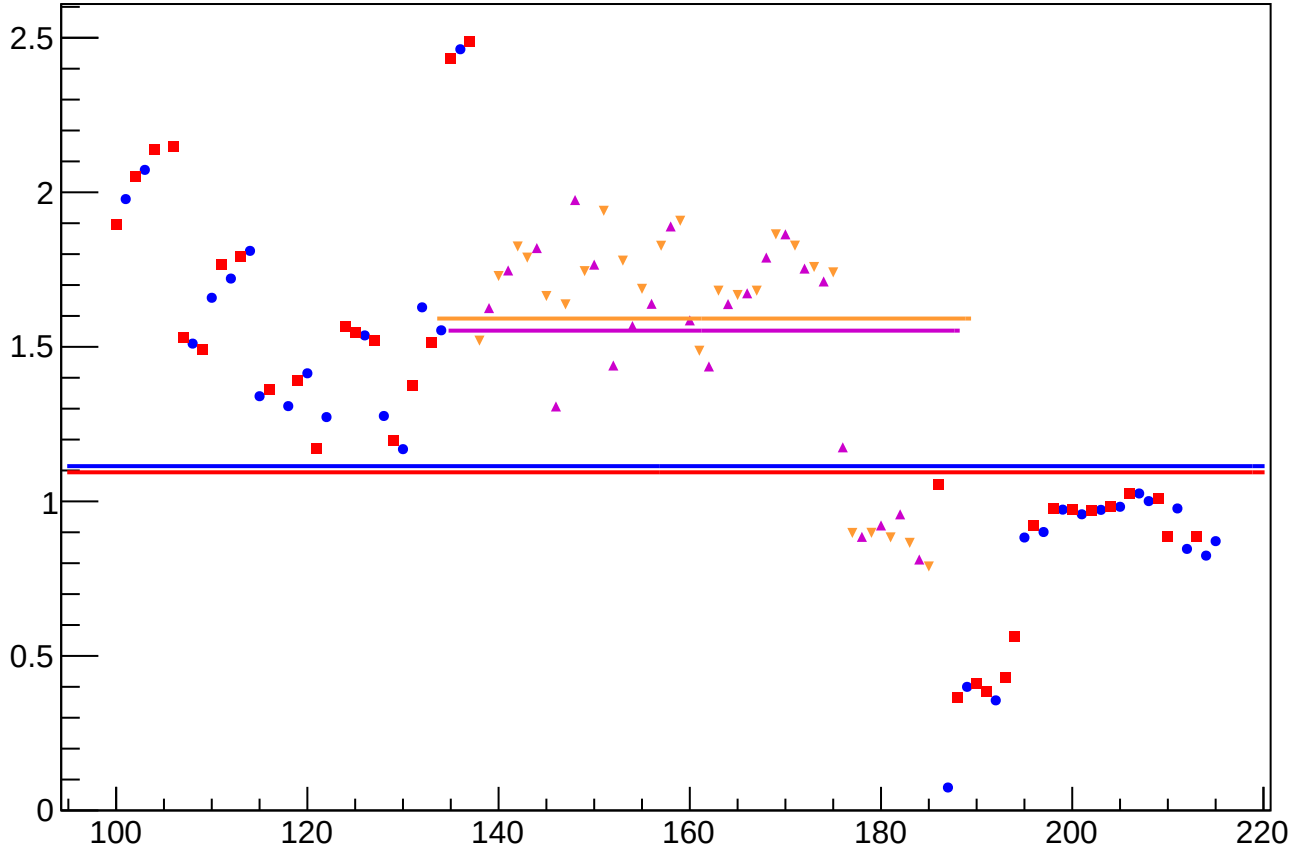
Right: 0.010+/-0.000 χ^2/NDF: 3175885.2/64

In: 0.009+/-0.000 χ^2/NDF:2968667.3/53

Out: 0.009+/-0.000 χ^2/NDF:2549659.0/58

All: 0.009+/-0.000 χ^2/NDF: 5518729.8/112

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.114+/-0.000 χ^2/NDF: 30722117227.6/30

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.094+/-0.000 χ^2/NDF: 34904193594.7/33

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

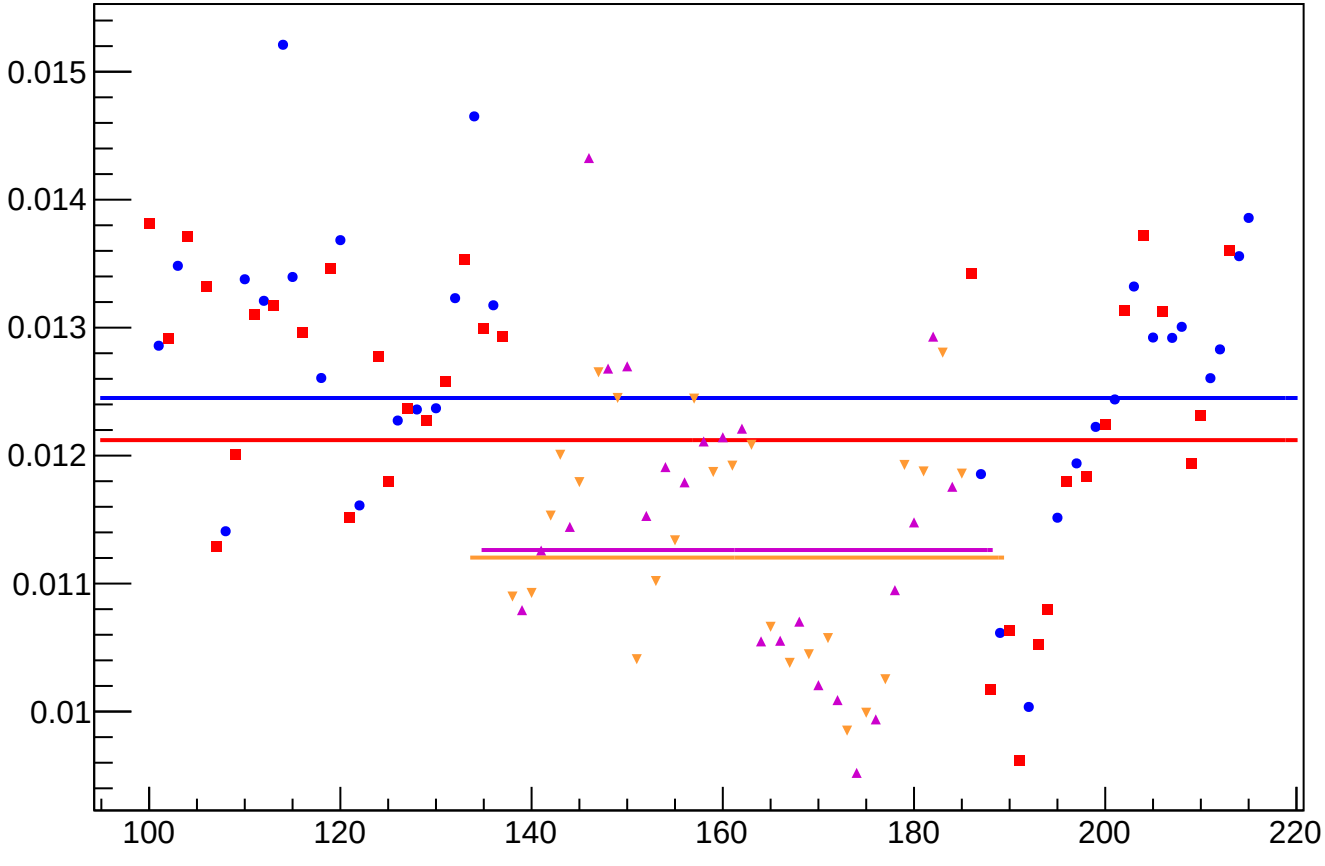
Right: 1.104+/-0.000 χ^2/NDF: 65650754423.6/64

In: 1.347+/-0.000 χ^2/NDF:57110577975.9/53

Out: 1.363+/-0.000 χ^2/NDF:68709916154.7/58

All: 1.355+/-0.000 χ^2/NDF: 125856211816.5

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 270842.9/30

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 325998.2/33

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

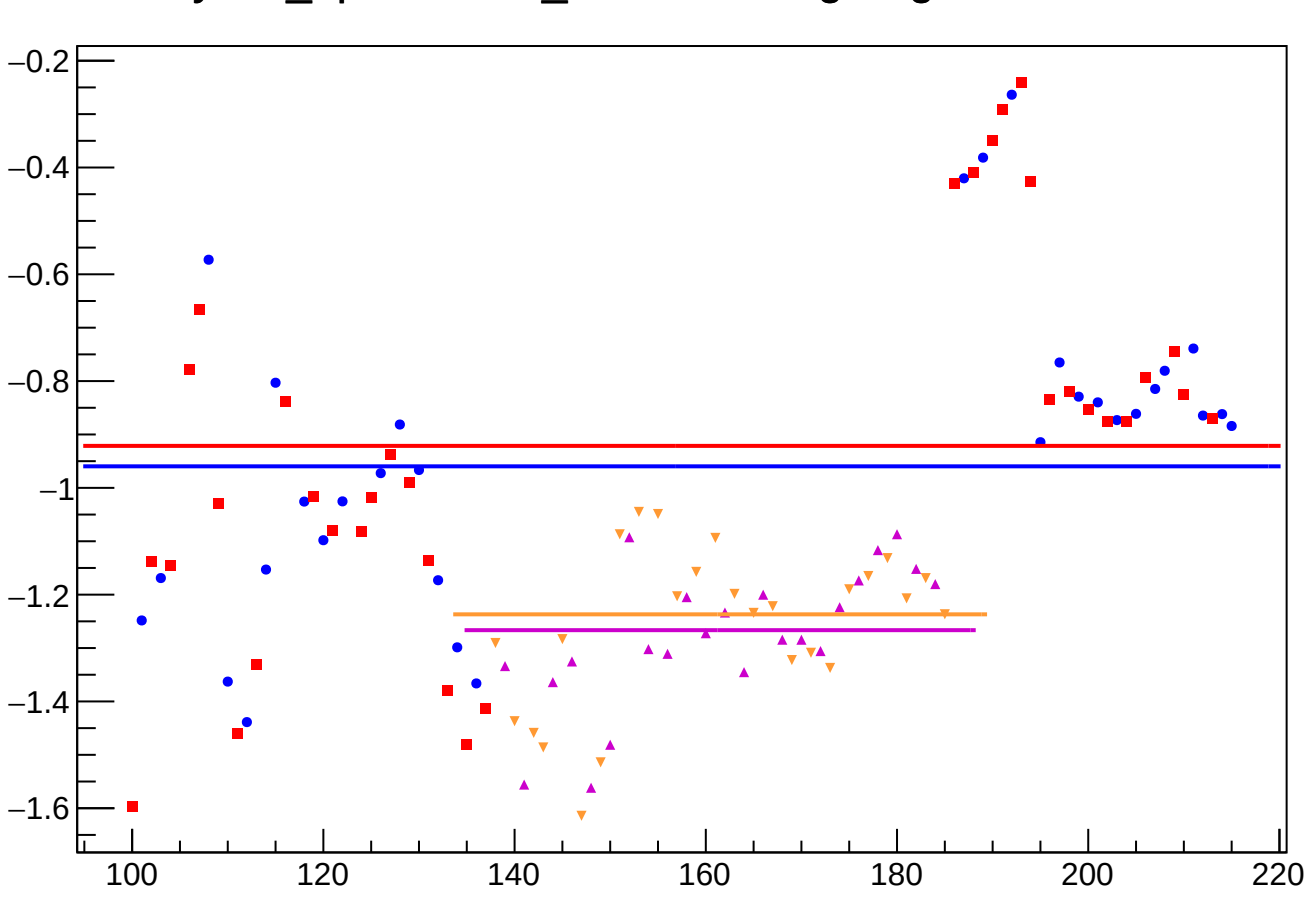
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 610164.3/64

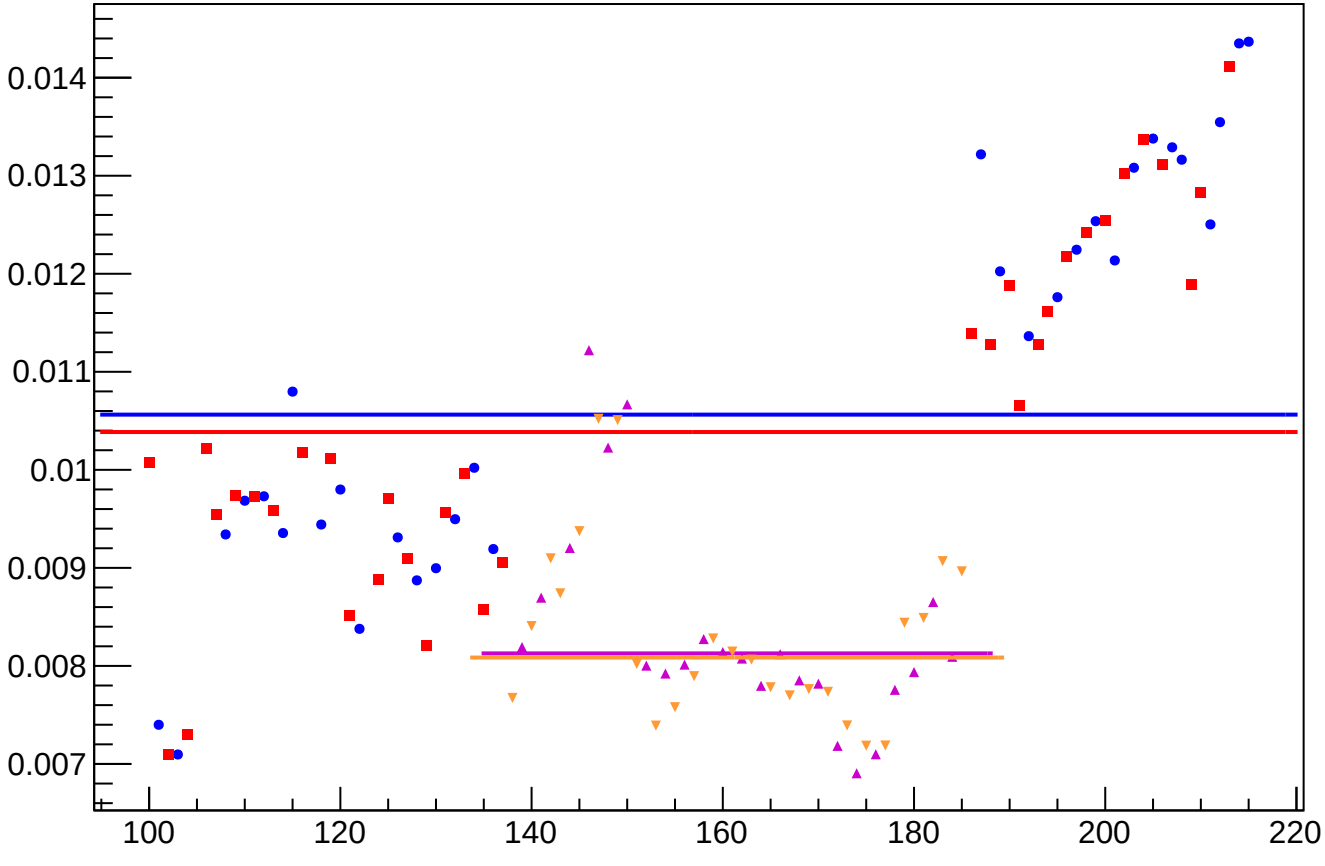
In: 0.012+/-0.000 χ^2/NDF:763577.3/53

Out: 0.012+/-0.000 χ^2/NDF:663467.7/58

All: 0.012+/-0.000 χ^2/NDF: 1437132.6/112


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: -0.960+/-0.000 χ²/NDF: 12504655663.6/30
Left Out: -1.237+/-0.000 χ²/NDF:4972272024.7/24
Right Out: -0.921+/-0.000 χ²/NDF: 16974349623.0/33
Left In: -1.267+/-0.000 χ²/NDF:3674801511.3/22
Left: -1.251+/-0.000 χ²/NDF: 8764581472.4/47
Right: -0.940+/-0.000 χ²/NDF: 29598132598.0/64
In: -1.149+/-0.000 χ²/NDF:25522488356.5/53
Out: -1.119+/-0.000 χ²/NDF:32193642281.4/58
All: -1.134+/-0.000 χ²/NDF: 57905187499.2/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 1536175.3/30

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1285475.6/33

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

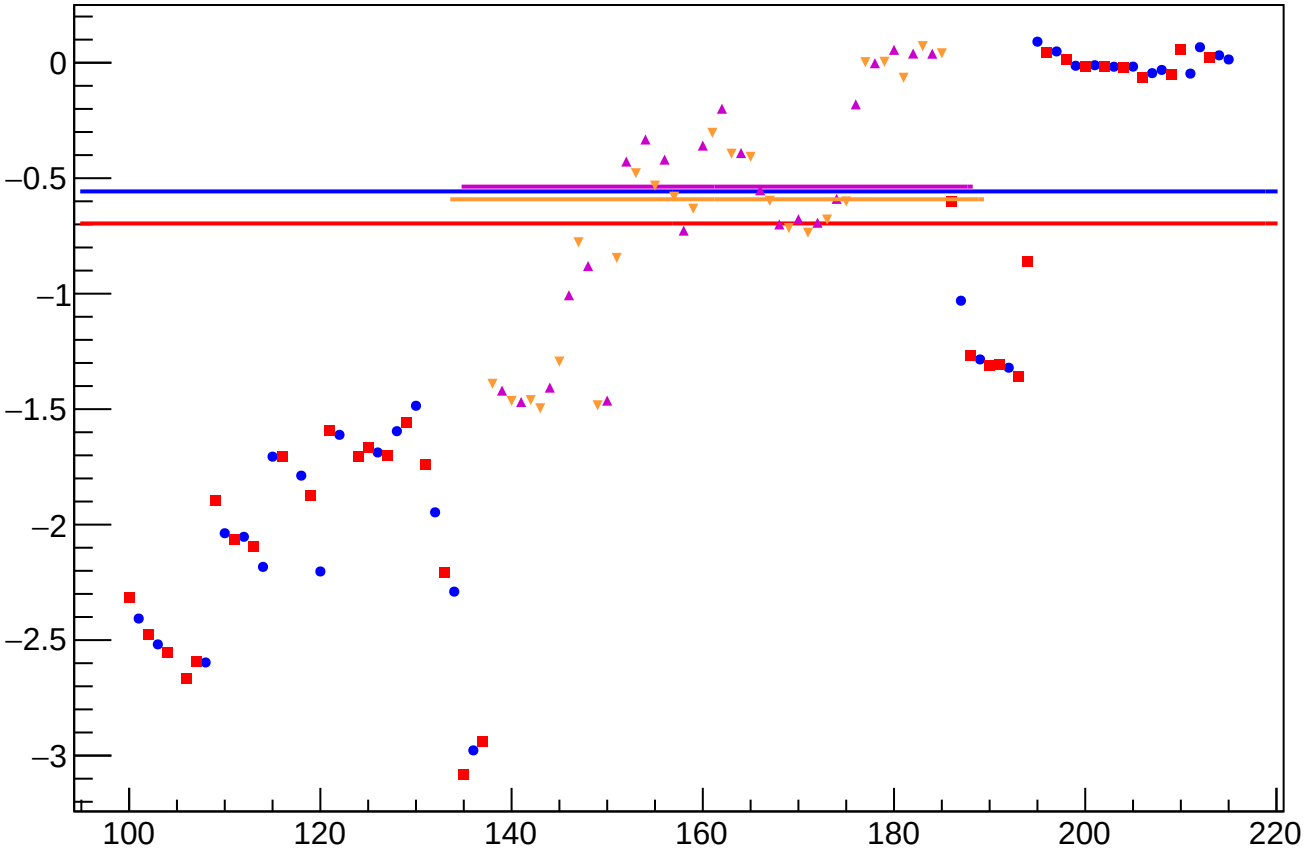
Right: 0.010+/-0.000 χ^2/NDF: 2826762.3/64

In: 0.009+/-0.000 χ^2/NDF:3122500.5/53

Out: 0.009+/-0.000 χ^2/NDF:2701833.8/58

All: 0.009+/-0.000 χ^2/NDF: 5830334.8/112

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -0.557+/-0.000 χ^2/NDF: 413645860633.6/30

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.696+/-0.000 χ^2/NDF: 429475885817.6/33

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

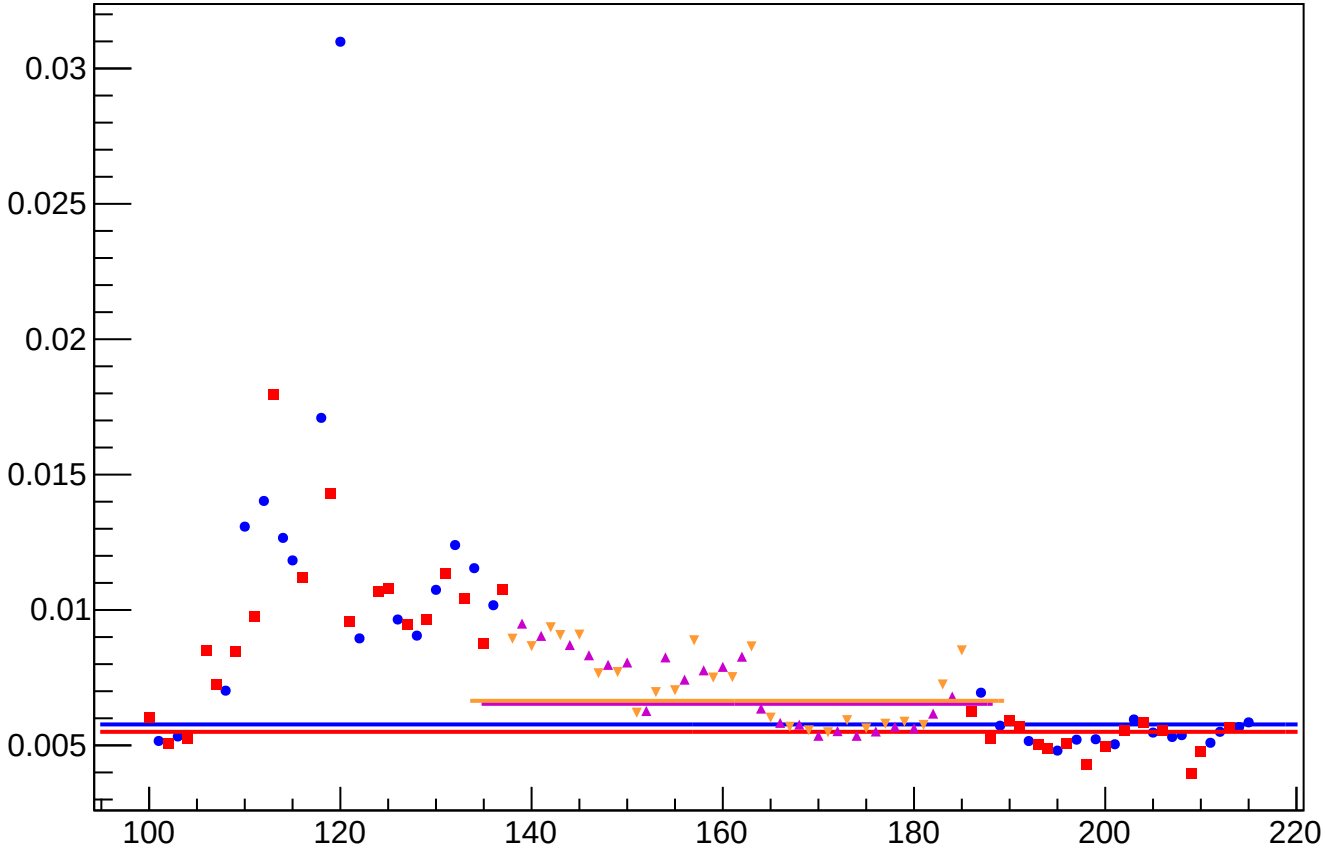
Right: -0.629+/-0.000 χ^2/NDF: 847880134254.4/64

In: -0.548+/-0.000 χ^2/NDF:483904619643.1/53

Out: -0.651+/-0.000 χ^2/NDF:504546923231.4/58

All: -0.601+/-0.000 χ^2/NDF: 993099770283.2

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2542391.4/30

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2676440.8/33

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

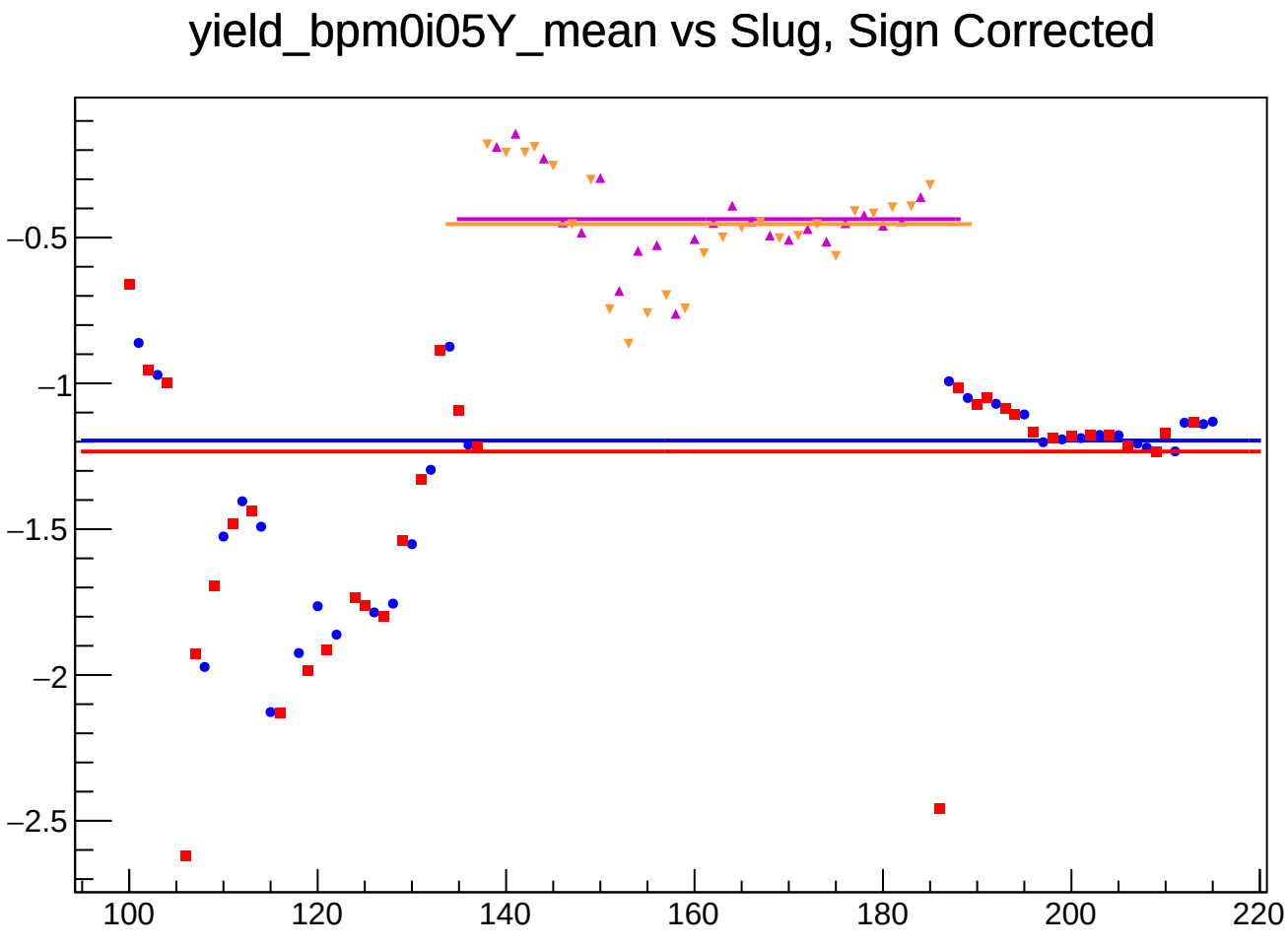
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5255796.6/64

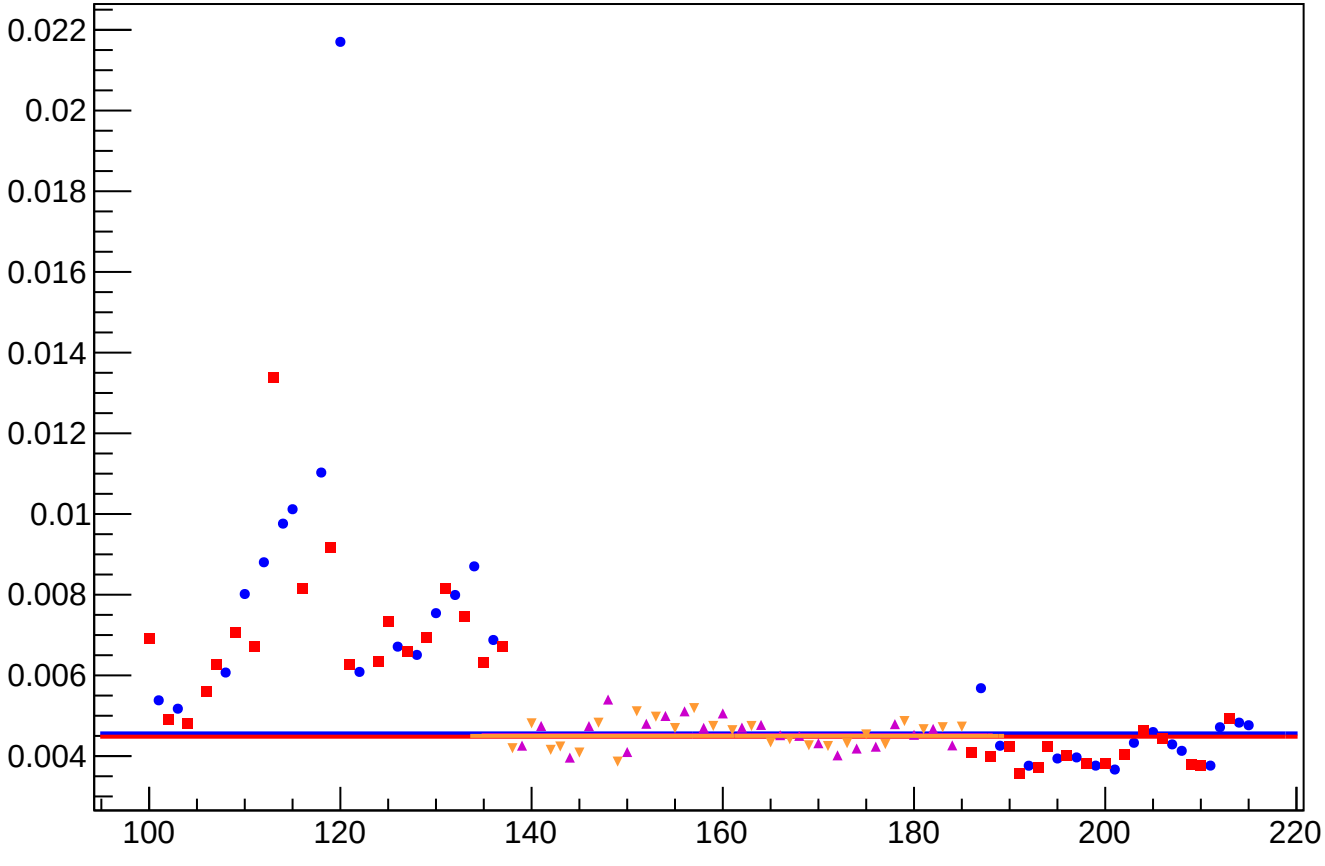
In: 0.006+/-0.000 χ^2/NDF:3935583.9/53

Out: 0.006+/-0.000 χ^2/NDF:4341078.3/58

All: 0.006+/-0.000 χ^2/NDF: 8289386.9/112


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
220
Right In: -1.196+/-0.000 χ²/NDF: 27643496352.8/30
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.234+/-0.000 χ²/NDF: 72815210638.7/33
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.215+/-0.000 χ²/NDF: 101014094845.5/64
In: -0.805+/-0.000 χ²/NDF:272181670075.3/53
Out: -0.825+/-0.000 χ²/NDF:354263551000.9/58
All: -0.816+/-0.000 χ²/NDF: 626774997953.3

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2255891.7/30

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1979989.0/33

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

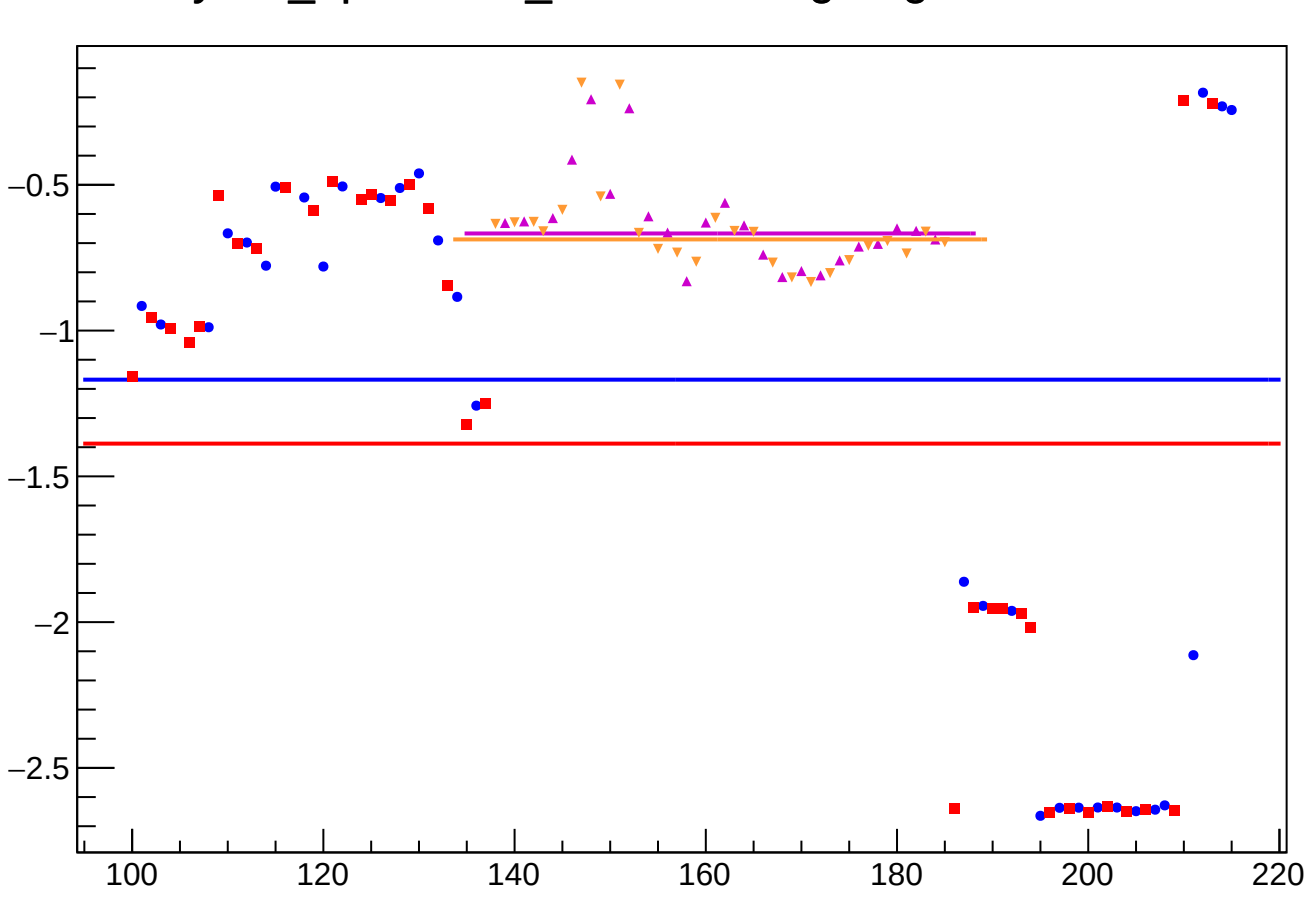
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 4241085.1/64

In: 0.005+/-0.000 χ^2/NDF:2469326.4/53

Out: 0.004+/-0.000 χ^2/NDF:2169565.3/58

All: 0.005+/-0.000 χ^2/NDF: 4642866.9/112



Right In: -1.168+/-0.000 χ^2/NDF: 599624527967.8/30

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.388+/-0.000 χ^2/NDF: 654326589683.0/33

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

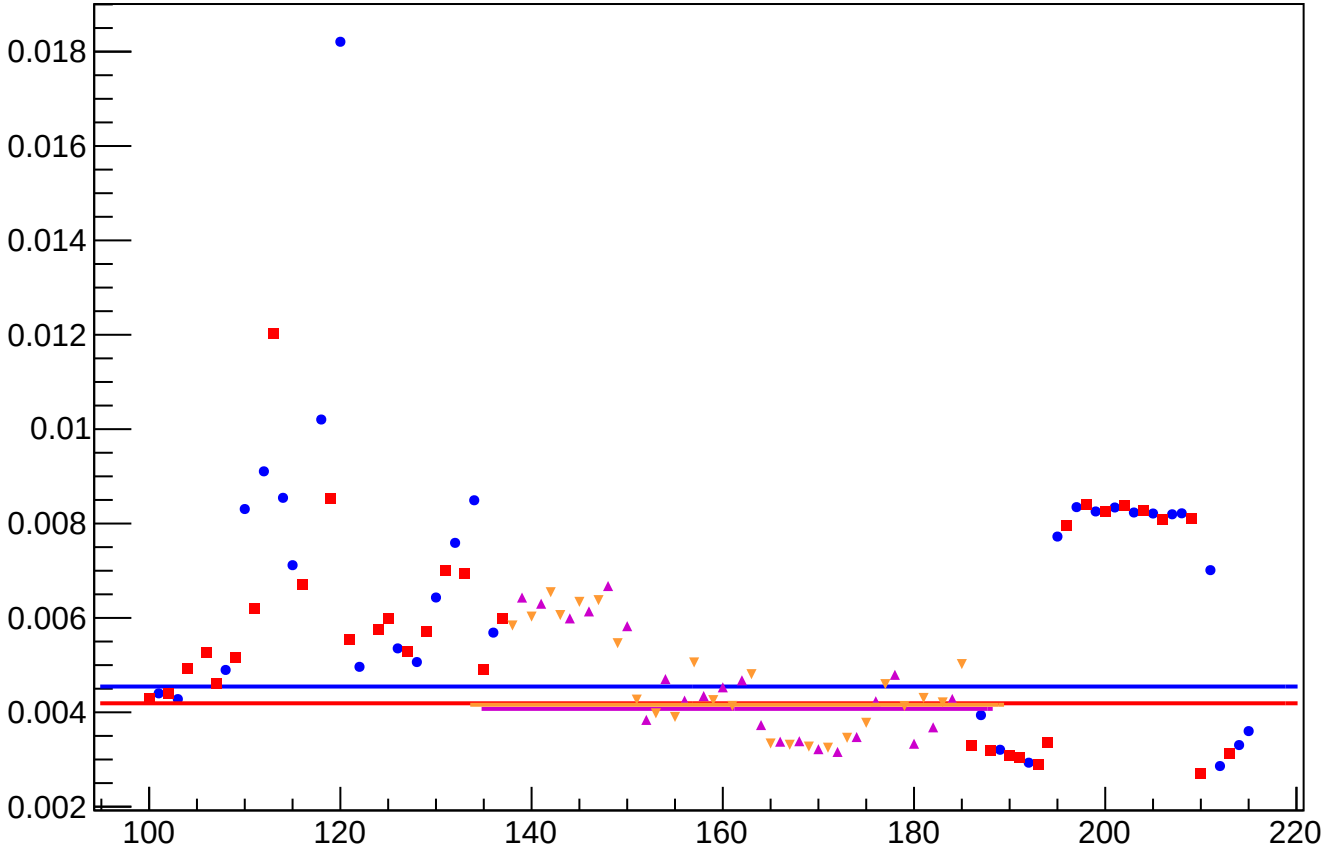
Right: -1.286+/-0.000 χ^2/NDF: 1272580739155.8/6

In: -0.883+/-0.000 χ^2/NDF:725288330794.1/53

Out: -1.013+/-0.000 χ^2/NDF:896624747790.6/58

All: -0.950+/-0.000 χ^2/NDF: 1636487437333

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 5850550.3/30

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 5565335.0/33

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

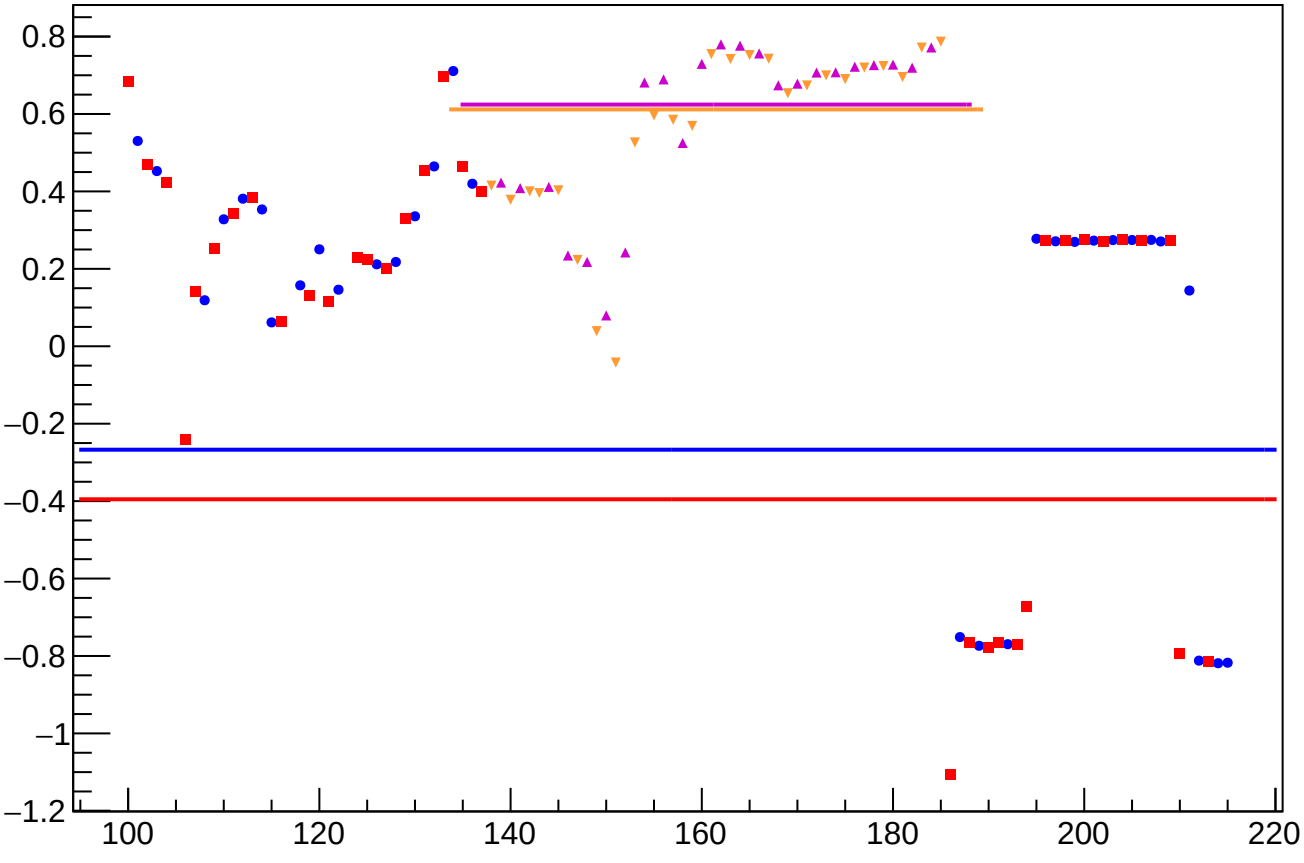
Right: 0.004+/-0.000 χ^2/NDF: 11513529.1/64

In: 0.004+/-0.000 χ^2/NDF:7784703.7/53

Out: 0.004+/-0.000 χ^2/NDF:7086227.8/58

All: 0.004+/-0.000 χ^2/NDF: 14888990.8/112

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.267+/-0.000 χ^2/NDF: 468629905502.8/30

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.395+/-0.000 χ^2/NDF: 558043052673.3/33

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

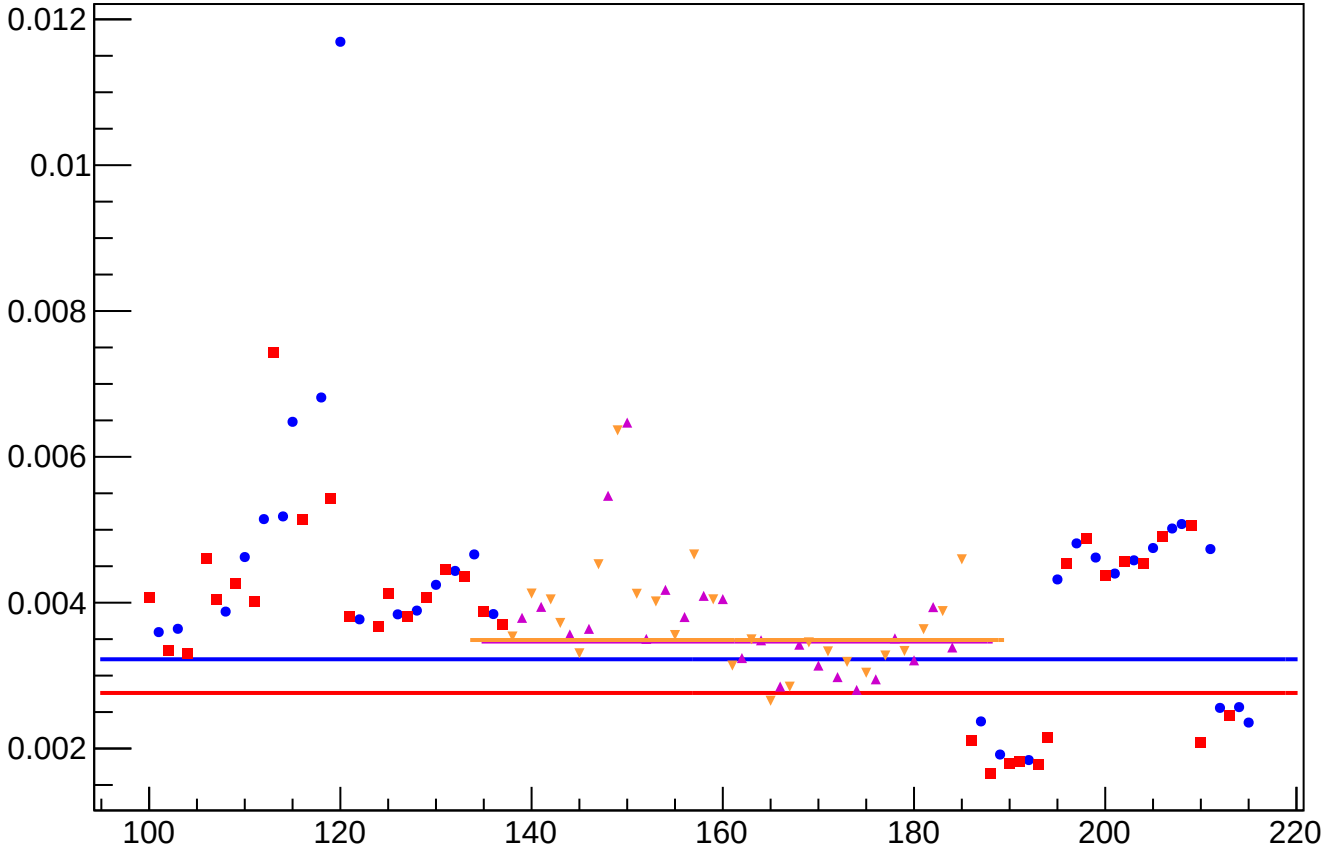
Right: -0.339+/-0.000 χ^2/NDF: 1040525682224.9/6

In: 0.141+/-0.000 χ^2/NDF:1055247535589.7/53

Out: 0.014+/-0.000 χ^2/NDF:1398191147518.1/58

All: 0.072+/-0.000 χ^2/NDF: 2477580045053.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4430742.8/30

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5432406.5/33

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

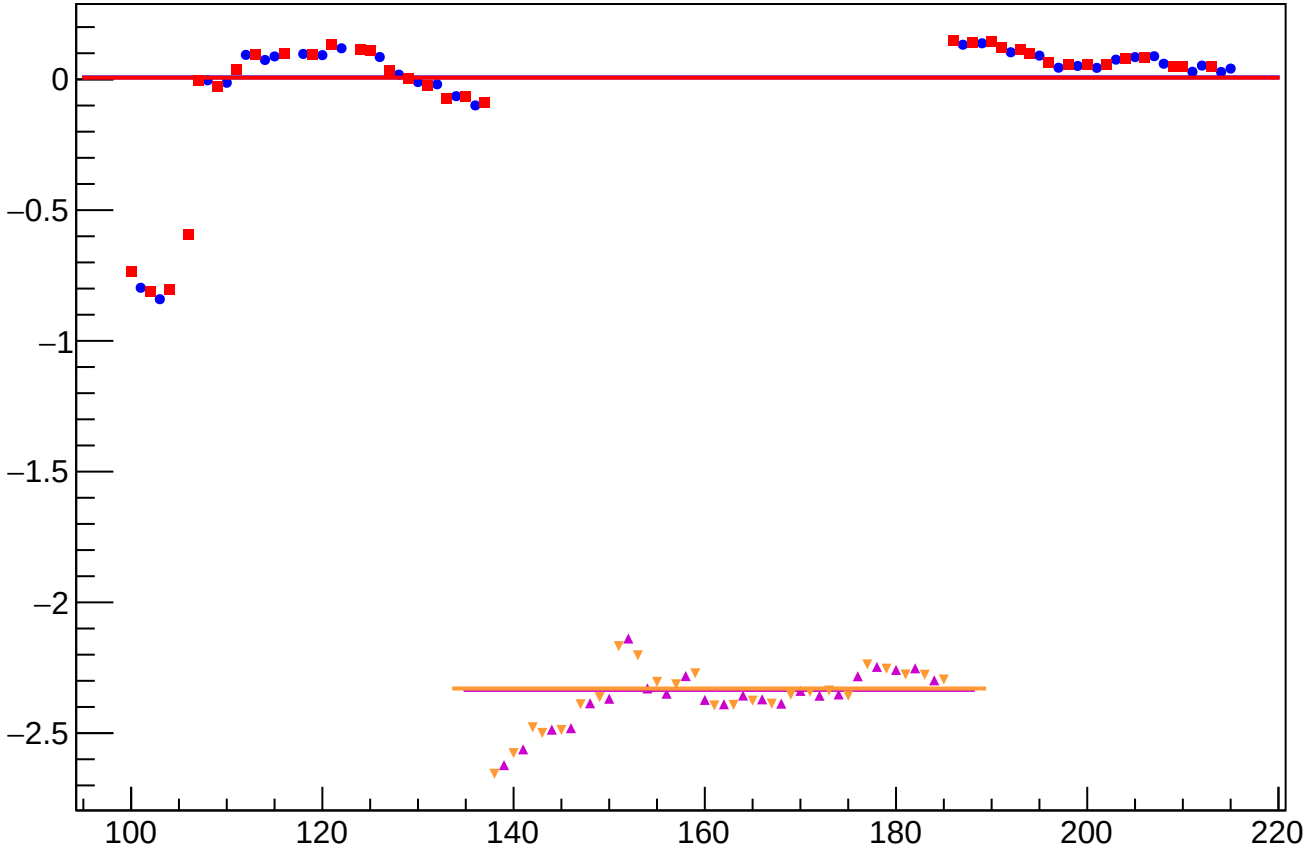
Right: 0.003+/-0.000 χ^2/NDF: 10223705.1/64

In: 0.003+/-0.000 χ^2/NDF:5405993.1/53

Out: 0.003+/-0.000 χ^2/NDF:7109192.1/58

All: 0.003+/-0.000 χ^2/NDF: 12746792.0/112

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 6576532792.6/30

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7837209775.7/33

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

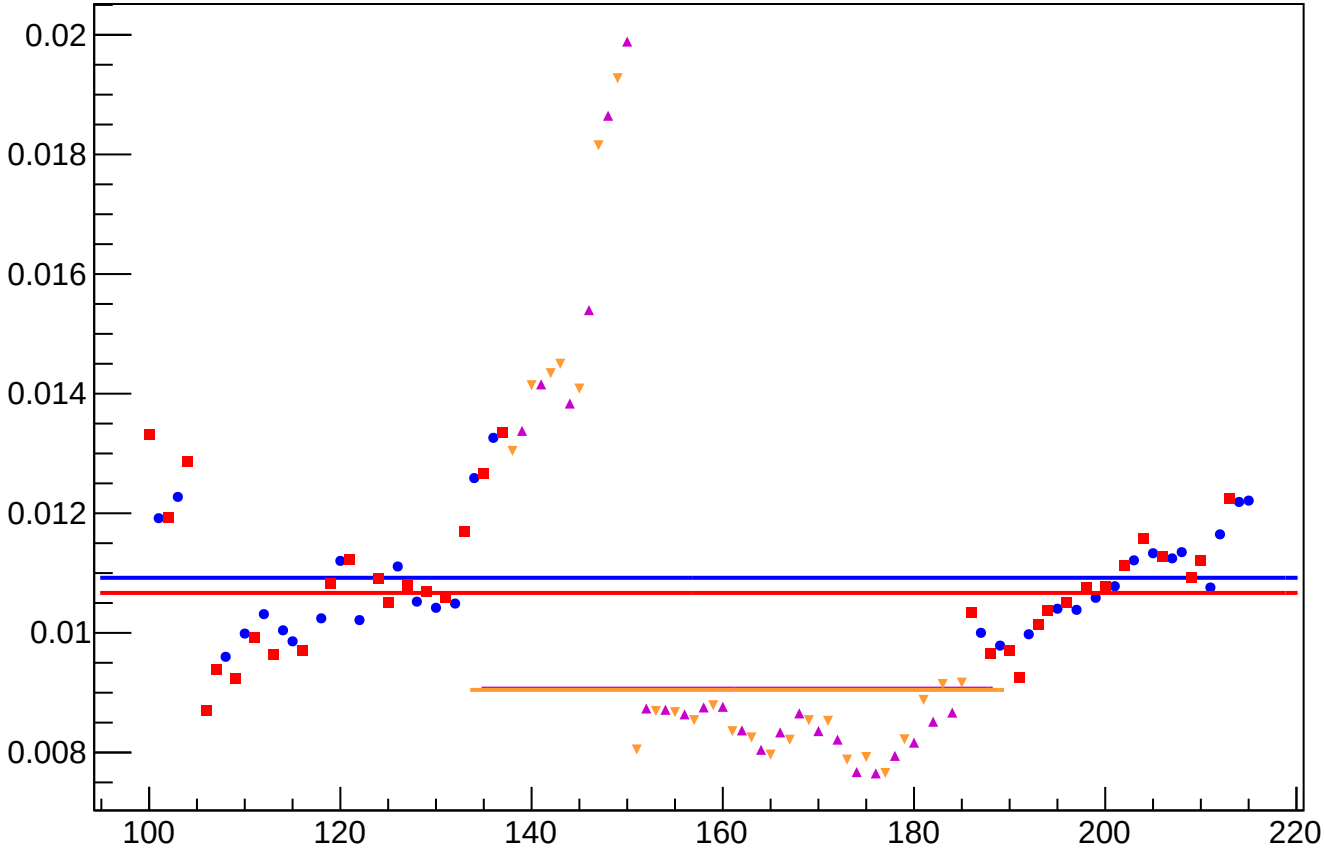
Right: 0.007+/-0.000 χ^2/NDF: 14413822289.2/64

In: -1.320+/-0.000 χ^2/NDF:504191572028.4/53

Out: -1.335+/-0.000 χ^2/NDF:526070206254.6/58

All: -1.327+/-0.000 χ^2/NDF: 1030303197808

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 236059.2/30

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 291101.6/33

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

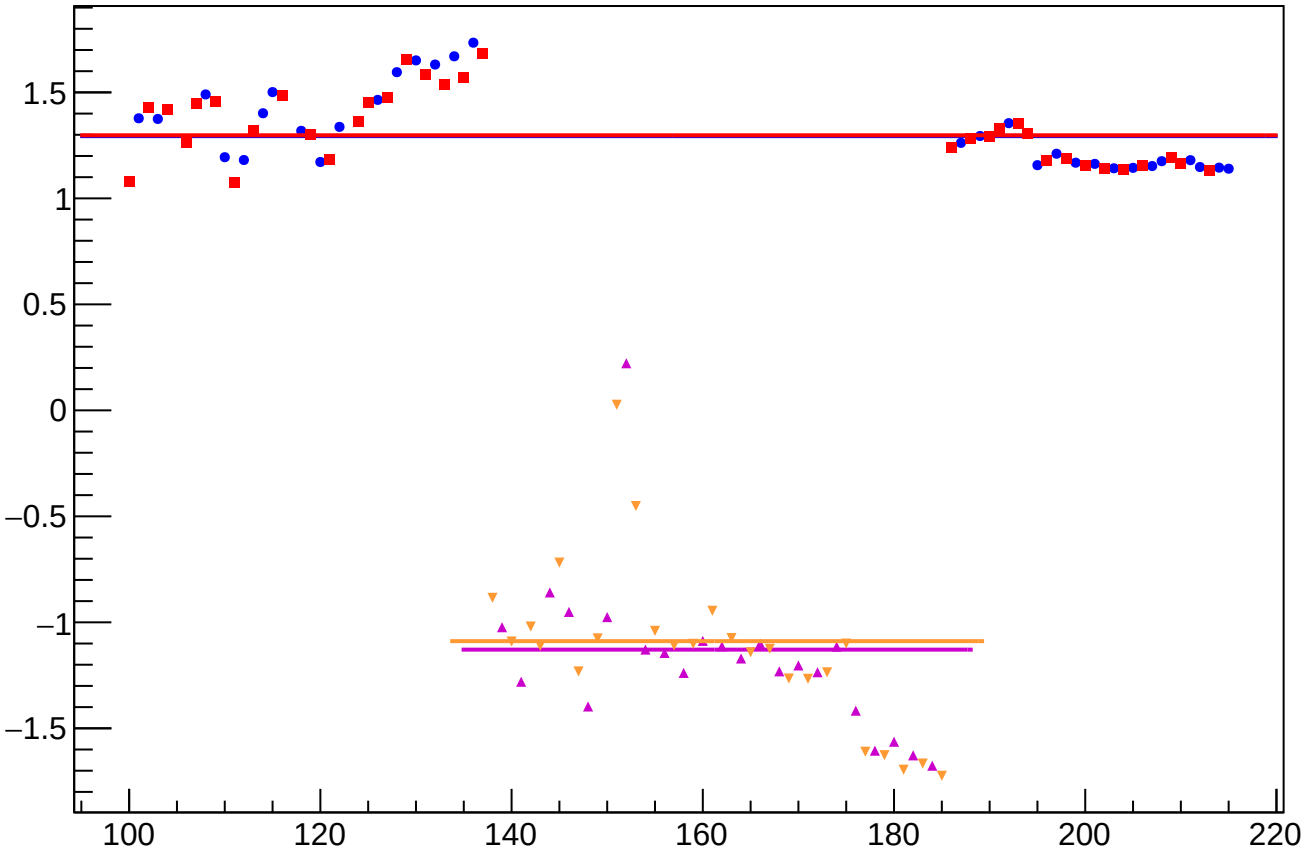
Right: 0.011+/-0.000 χ^2/NDF: 537532.0/64

In: 0.010+/-0.000 χ^2/NDF:2991287.2/53

Out: 0.010+/-0.000 χ^2/NDF:2837353.1/58

All: 0.010+/-0.000 χ^2/NDF: 5835379.1/112

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.294+/-0.000 χ^2/NDF: 9493475141.4/30

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.298+/-0.000 χ^2/NDF: 7100503745.6/33

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

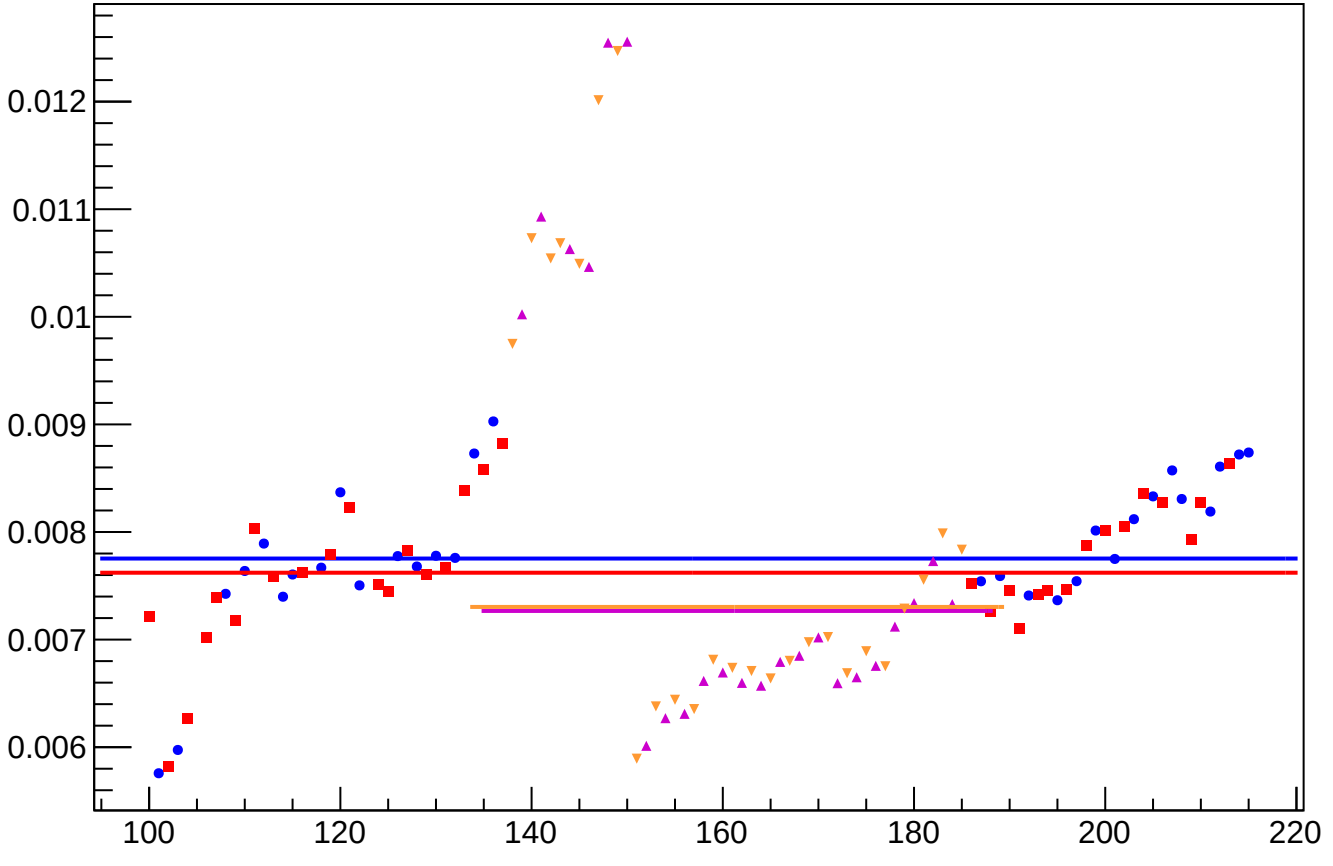
Right: 1.296+/-0.000 χ^2/NDF: 16596537671.4/64

In: 0.053+/-0.000 χ^2/NDF:1015695128928.3/53

Out: 0.063+/-0.000 χ^2/NDF:1020802576513.7/58

All: 0.058+/-0.000 χ^2/NDF: 2036532420356.

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 428294.9/30

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 302819.2/33

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

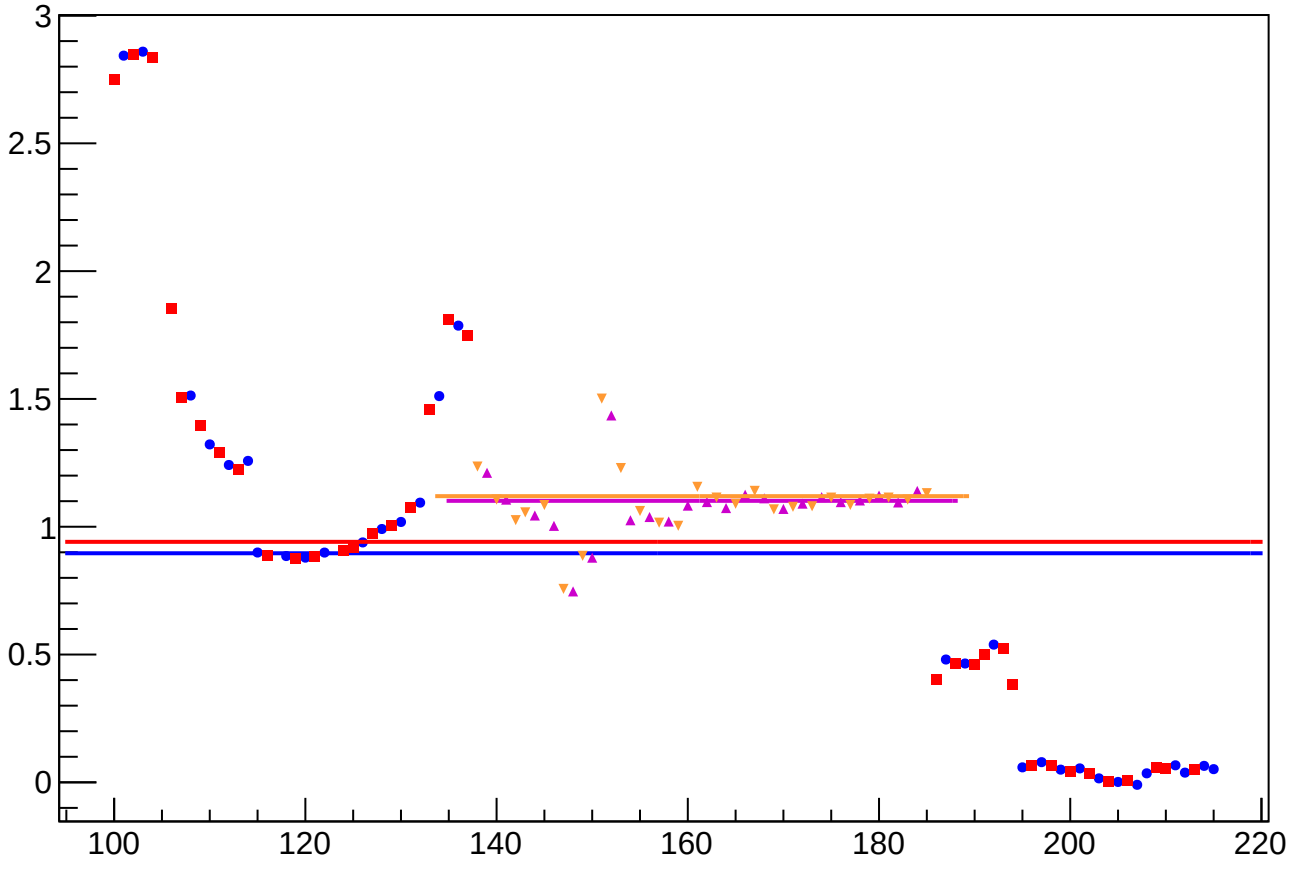
Right: 0.008+/-0.000 χ^2/NDF: 736658.4/64

In: 0.008+/-0.000 χ^2/NDF:2064967.1/53

Out: 0.007+/-0.000 χ^2/NDF:1840741.6/58

All: 0.007+/-0.000 χ^2/NDF: 3907151.3/112

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 0.896+/-0.000 χ^2/NDF: 157341744235.3/30

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.941+/-0.000 χ^2/NDF: 147208067176.9/33

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

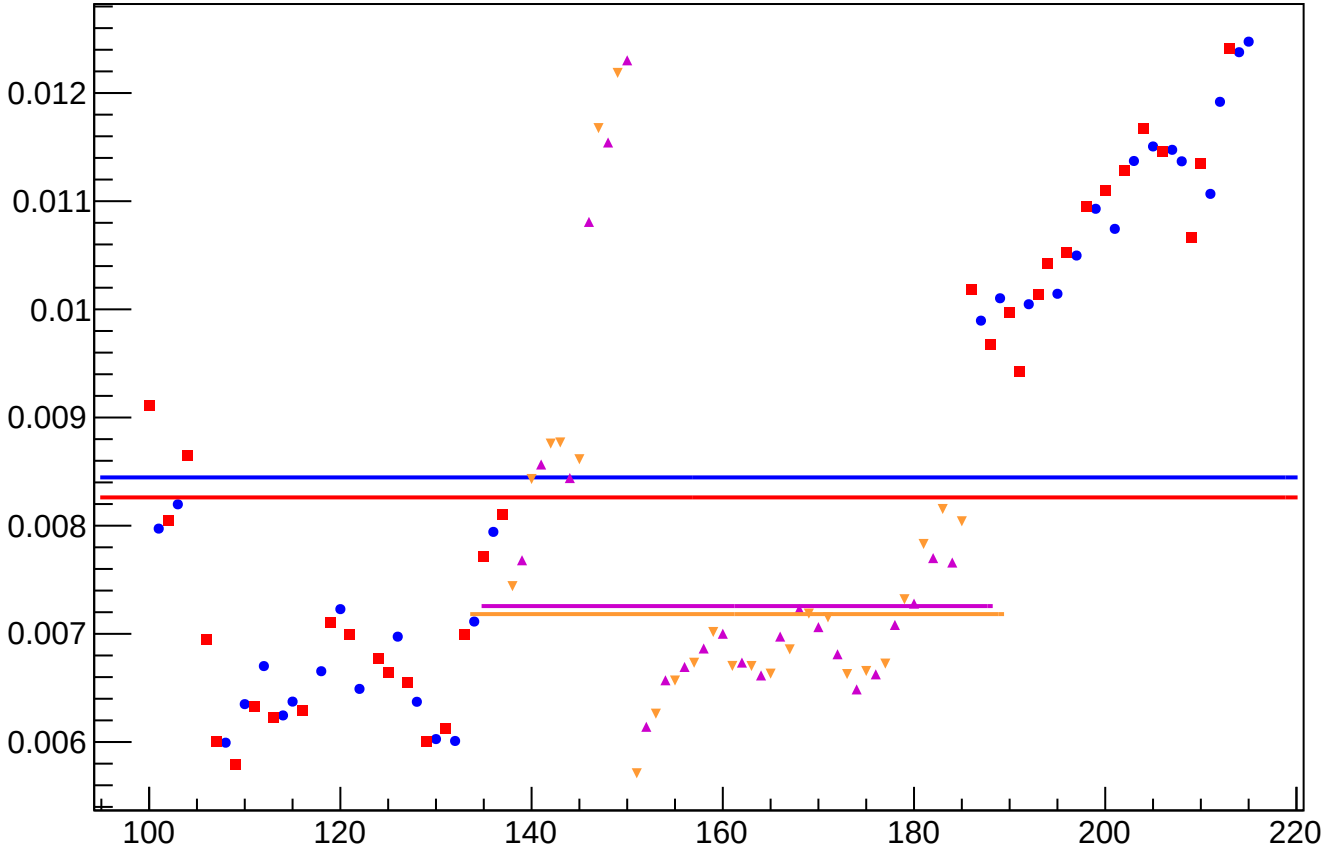
Right: 0.919+/-0.000 χ^2/NDF: 304805096873.9/64

In: 1.013+/-0.000 χ^2/NDF:167567729917.4/53

Out: 1.044+/-0.000 χ^2/NDF:157537233706.3/58

All: 1.029+/-0.000 χ^2/NDF: 325399969604.8

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2441770.4/30

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2308883.5/33

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

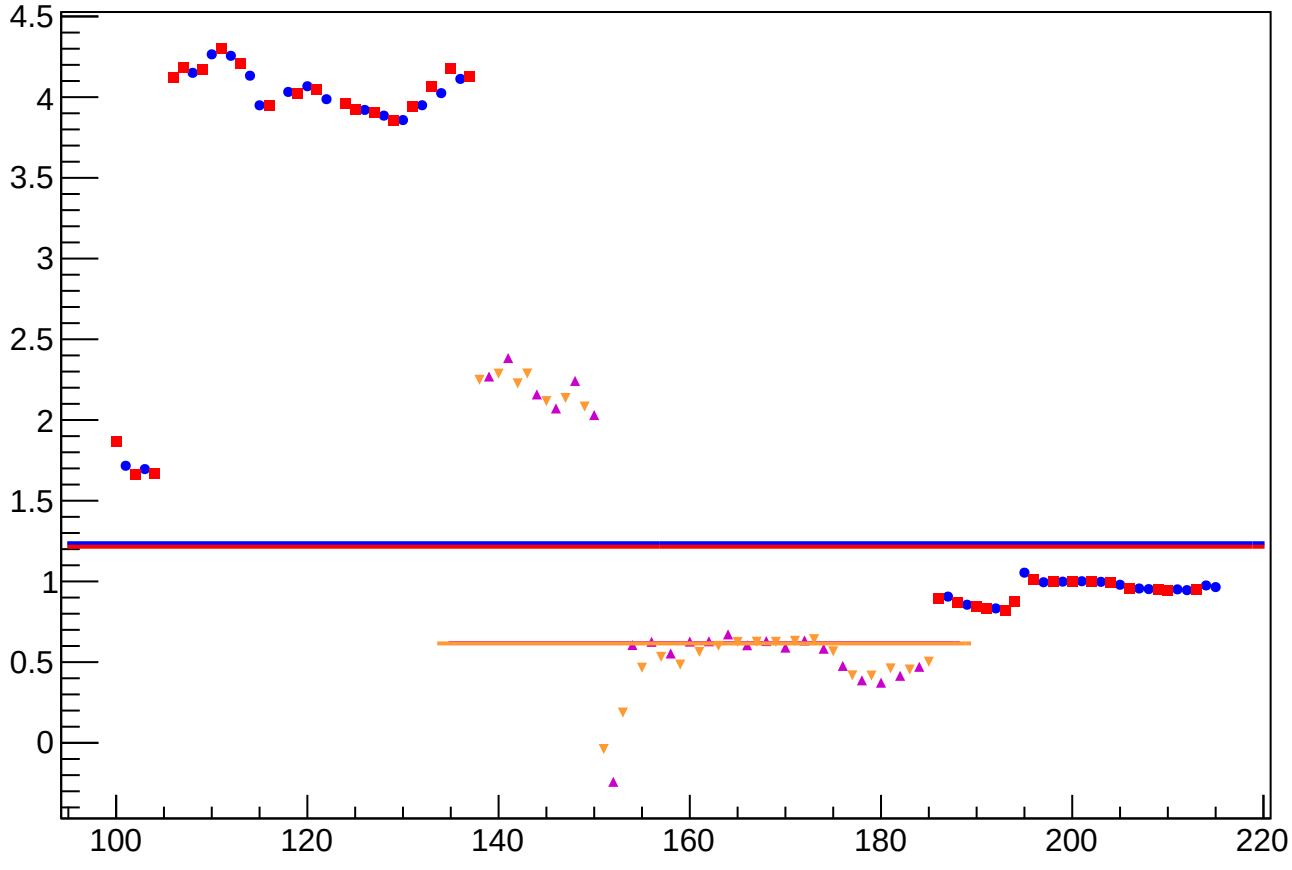
Right: 0.008+/-0.000 χ^2/NDF: 4759403.4/64

In: 0.008+/-0.000 χ^2/NDF:3763768.3/53

Out: 0.008+/-0.000 χ^2/NDF:3553455.2/58

All: 0.008+/-0.000 χ^2/NDF: 7327690.1/112

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.236+/-0.000 χ^2/NDF: 1637819585637.4/30

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.215+/-0.000 χ^2/NDF: 1790192655193.4/33

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

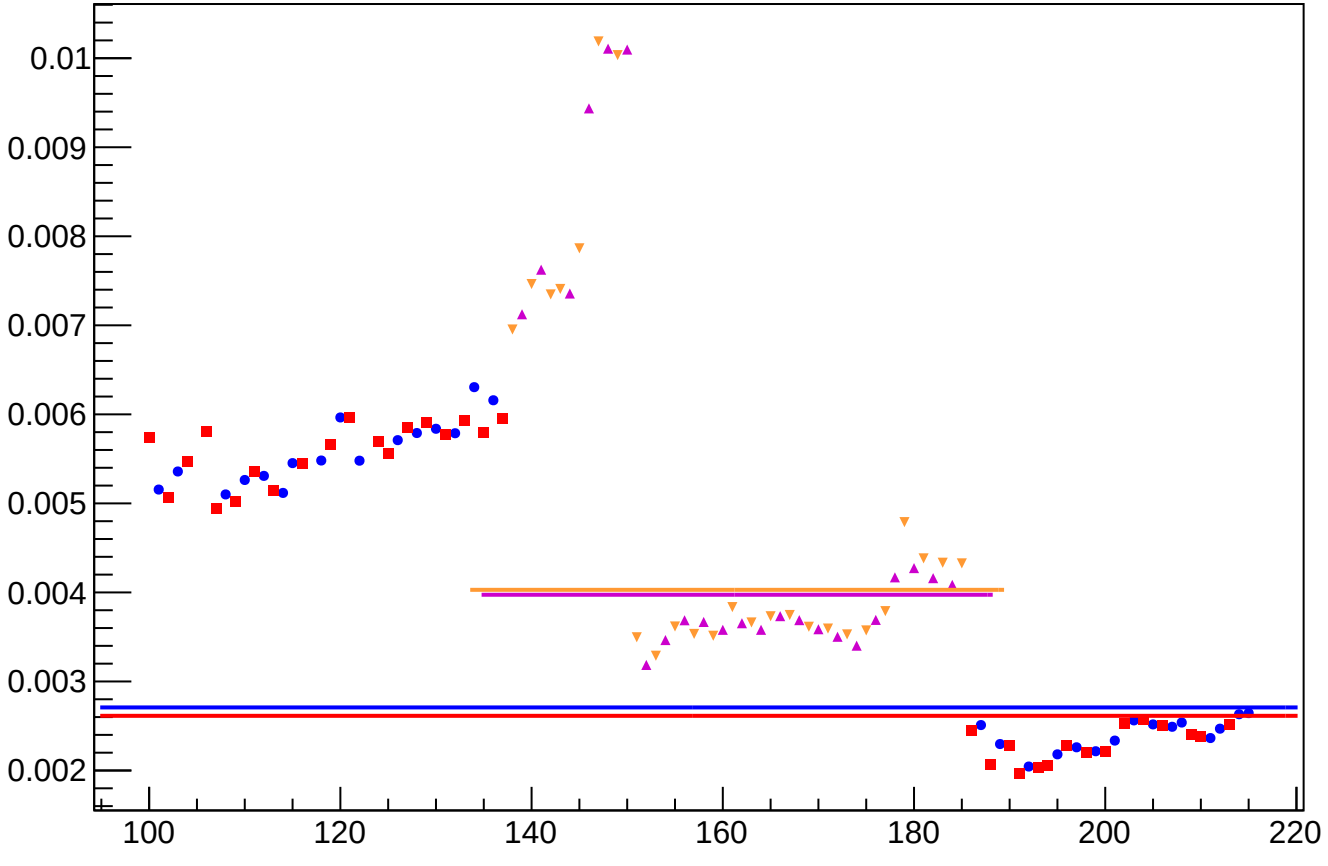
Right: 1.225+/-0.000 χ^2/NDF: 3428536883062.3/64

In: 1.040+/-0.000 χ^2/NDF:2159613852579.0/53

Out: 1.026+/-0.000 χ^2/NDF:2301770917516.2/58

All: 1.033+/-0.000 χ^2/NDF: 4461668912260.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4426052.9/30

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4712680.1/33

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

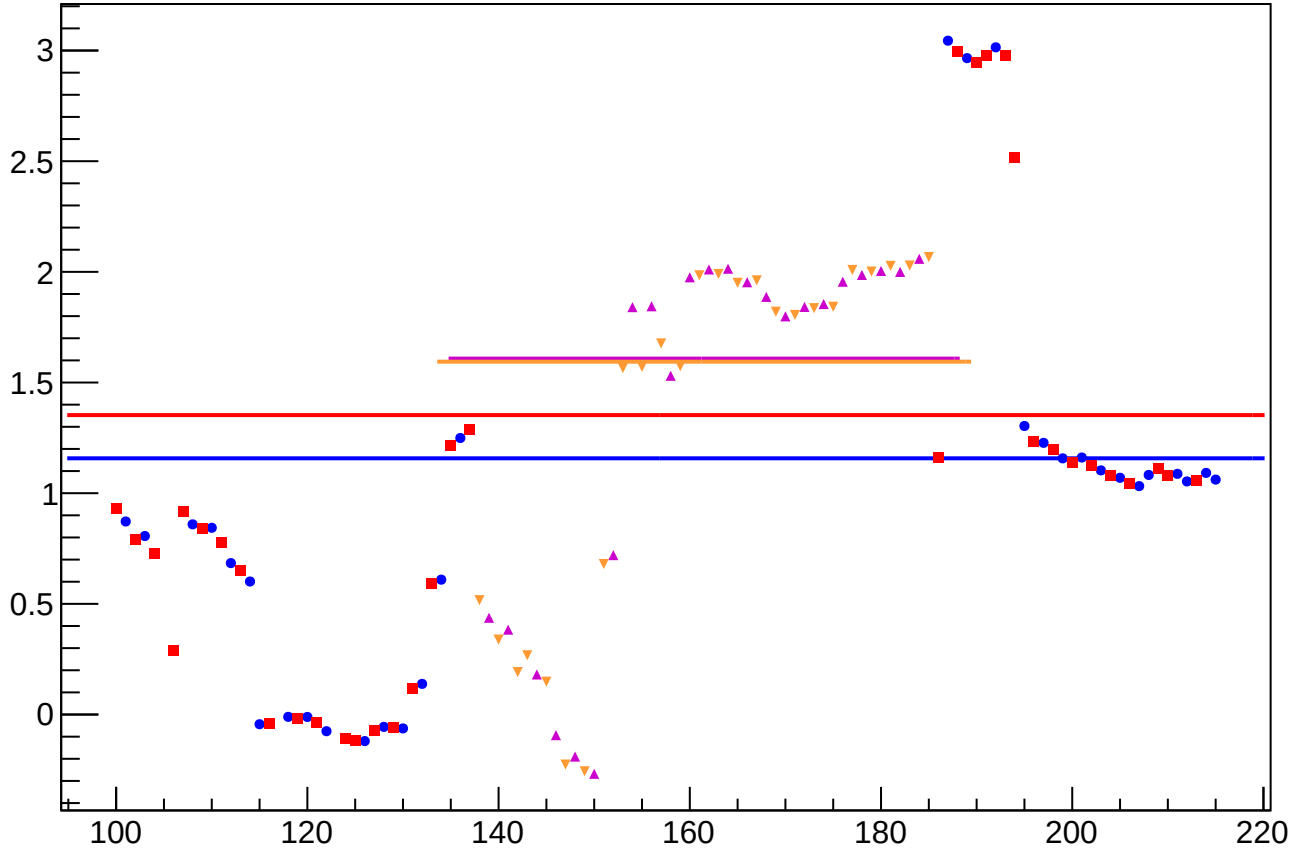
Right: 0.003+/-0.000 χ^2/NDF: 9158727.3/64

In: 0.003+/-0.000 χ^2/NDF:9790180.8/53

Out: 0.003+/-0.000 χ^2/NDF:10577739.1/58

All: 0.003+/-0.000 χ^2/NDF: 20376830.8/112

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.158+/-0.000 χ^2/NDF: 77912111355.5/30

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.353+/-0.000 χ^2/NDF: 106860802086.7/33

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

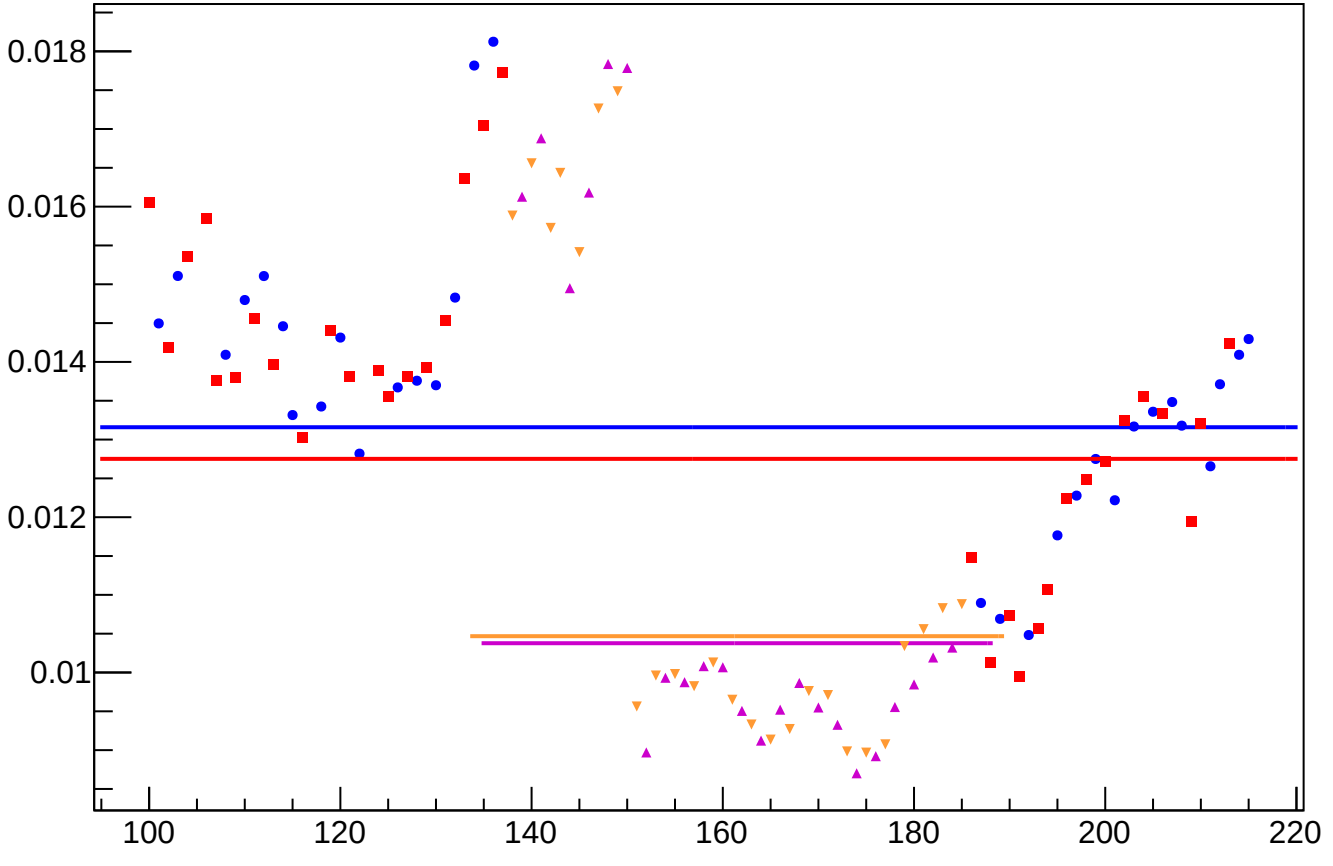
Right: 1.257+/-0.000 χ^2/NDF: 186881797022.0/64

In: 1.426+/-0.000 χ^2/NDF:157452538467.6/53

Out: 1.497+/-0.000 χ^2/NDF:173420315093.2/58

All: 1.462+/-0.000 χ^2/NDF: 331550145010.8

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 531720.9/30

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 634768.8/33

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

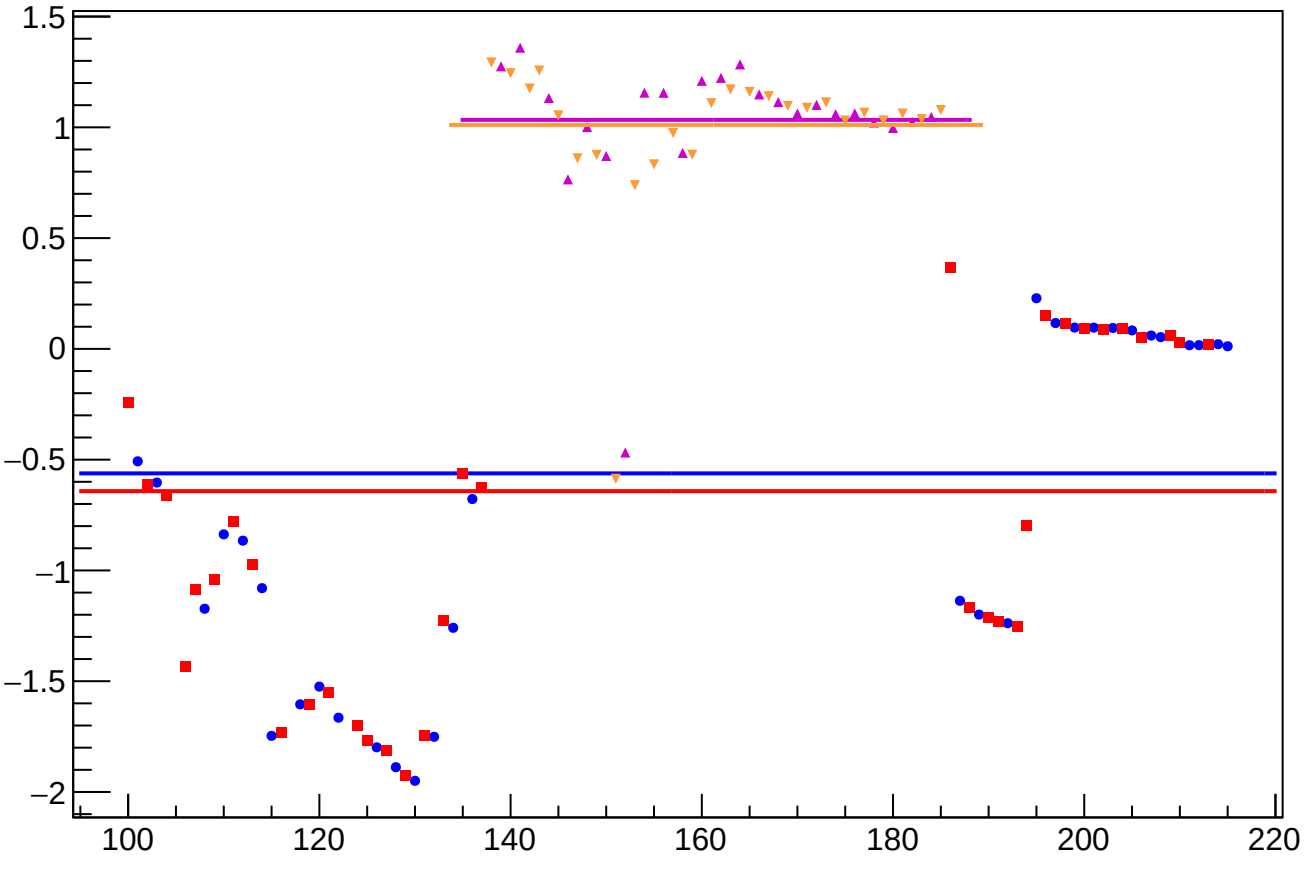
Right: 0.013+/-0.000 χ^2/NDF: 1184868.6/64

In: 0.011+/-0.000 χ^2/NDF:3244479.1/53

Out: 0.011+/-0.000 χ^2/NDF:2998952.0/58

All: 0.011+/-0.000 χ^2/NDF: 6246662.3/112

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.562+/-0.000 χ^2/NDF: 213722545714.9/30

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.642+/-0.000 χ^2/NDF: 195395567268.8/33

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

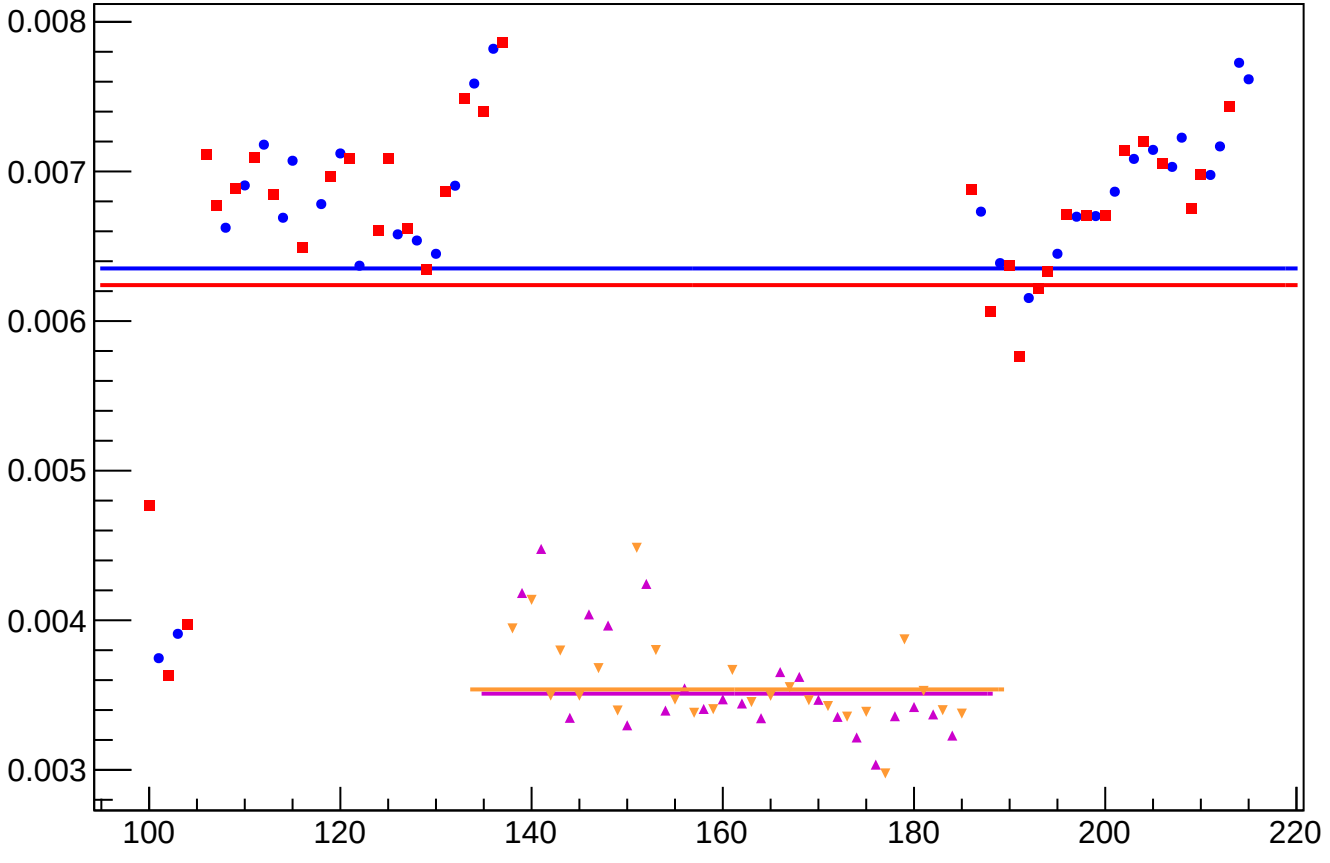
Right: -0.602+/-0.000 χ^2/NDF: 410542693353.7/64

In: 0.641+/-0.000 χ^2/NDF:1182935496438.2/53

Out: 0.611+/-0.000 χ^2/NDF:1234480497769.3/58

All: 0.626+/-0.000 χ^2/NDF: 2418190586526.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1363154.2/30

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1297045.5/33

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

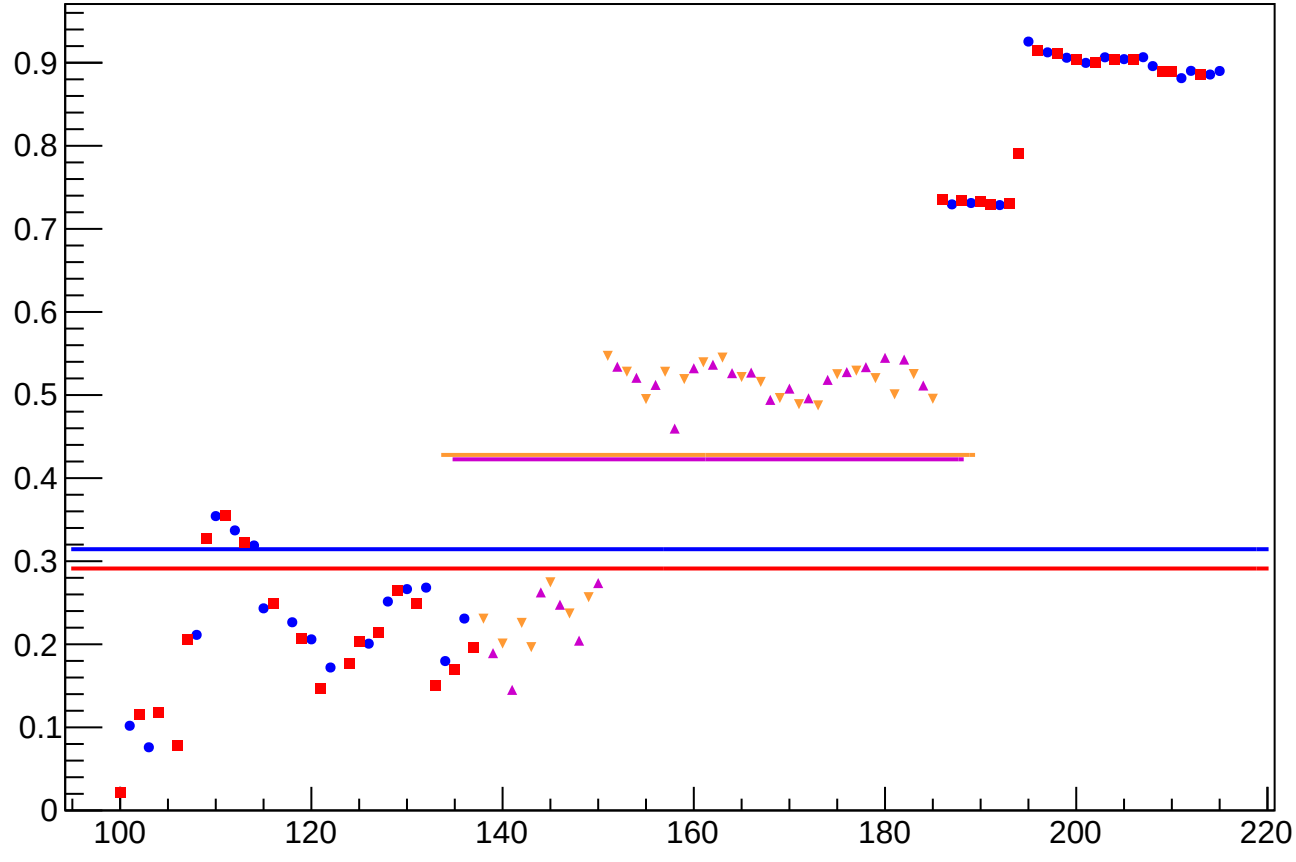
Right: 0.006+/-0.000 χ^2/NDF: 2665711.9/64

In: 0.004+/-0.000 χ^2/NDF:7003410.7/53

Out: 0.004+/-0.000 χ^2/NDF:6473536.7/58

All: 0.004+/-0.000 χ^2/NDF: 13477583.7/112

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.314+/-0.000 χ^2/NDF: 236675362545.2/30

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.291+/-0.000 χ^2/NDF: 236006483879.3/33

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

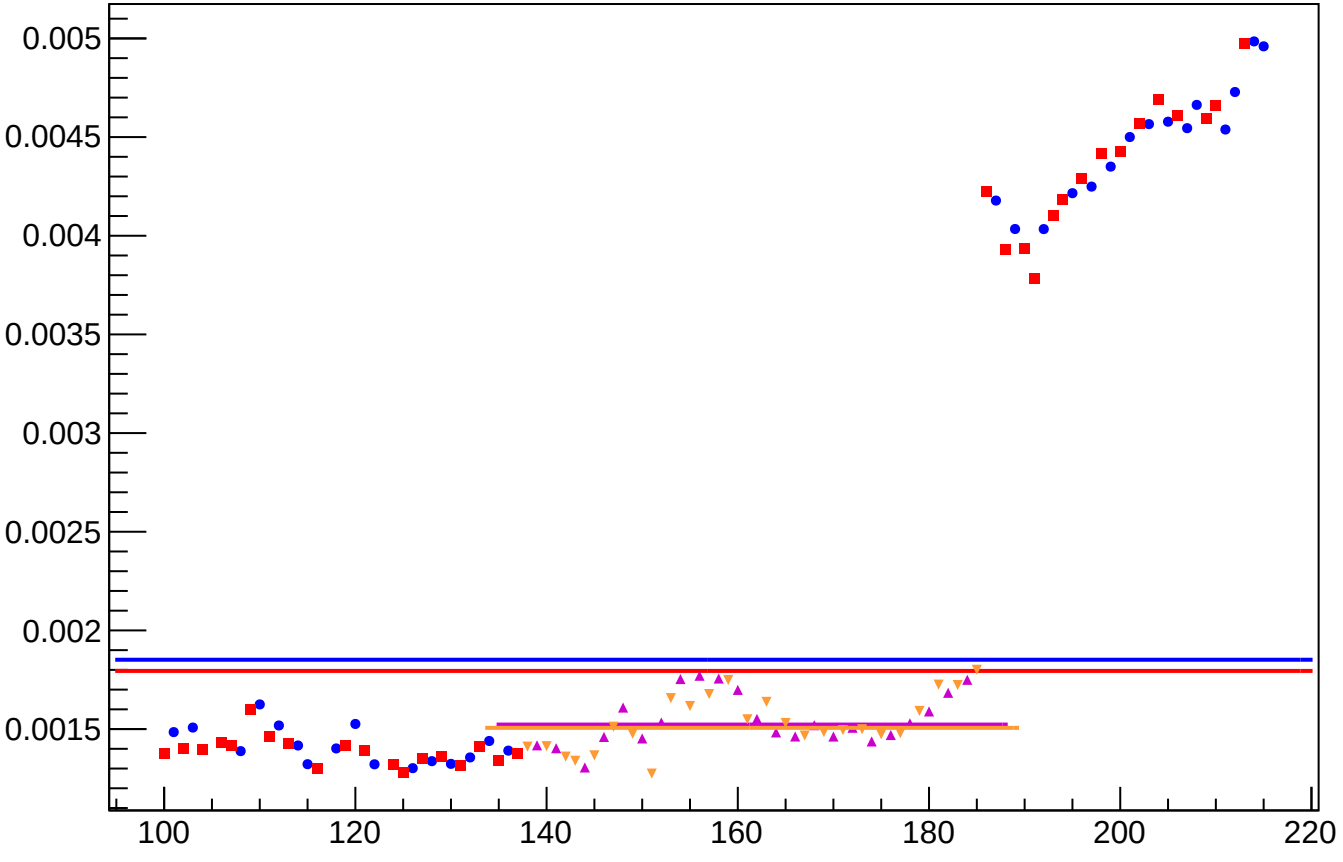
Right: 0.302+/-0.000 χ^2/NDF: 473827070554.3/64

In: 0.385+/-0.000 χ^2/NDF:426211642395.5/53

Out: 0.381+/-0.000 χ^2/NDF:443708806388.0/58

All: 0.383+/-0.000 χ^2/NDF: 870027390003.0

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9706309.7/30

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9307518.1/33

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

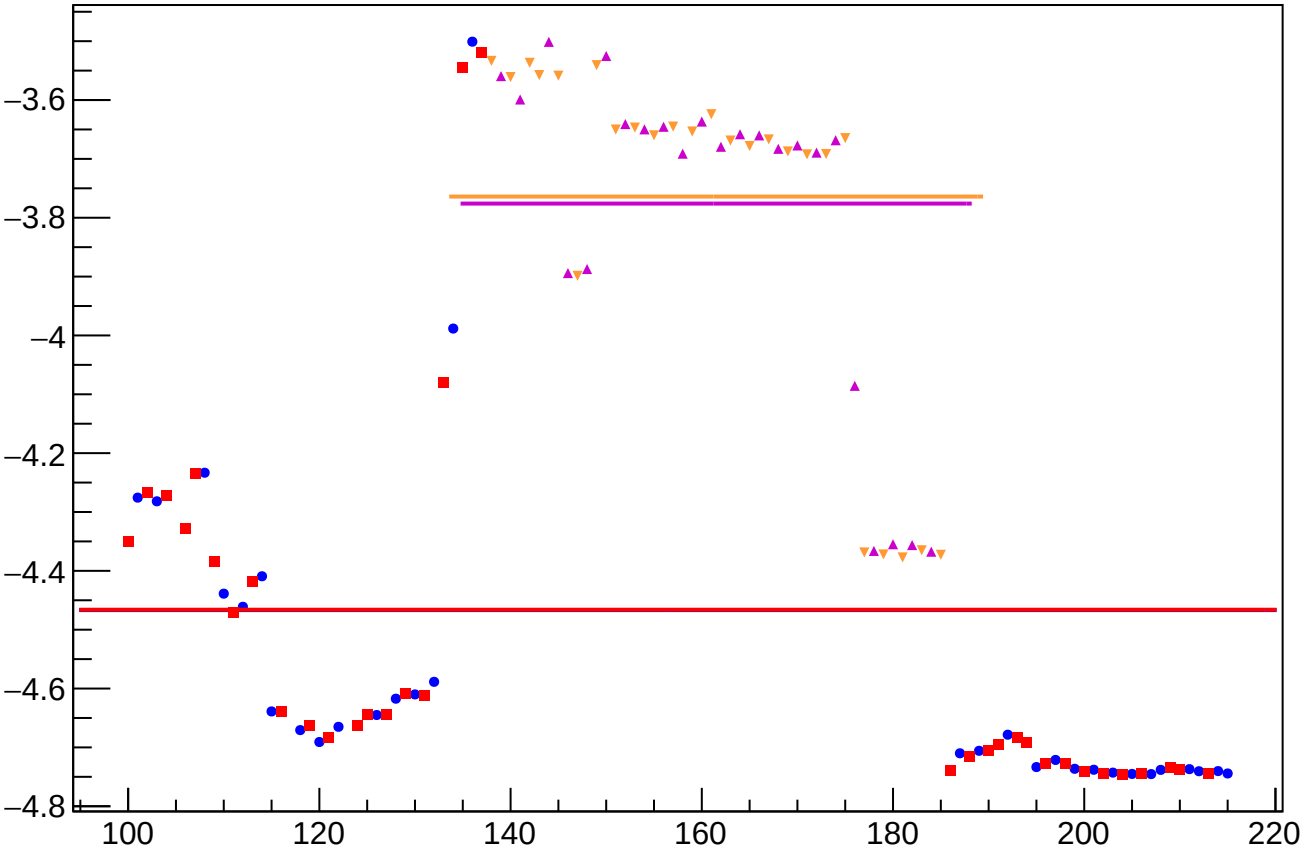
Right: 0.002+/-0.000 χ^2/NDF: 19027461.5/64

In: 0.002+/-0.000 χ^2/NDF:10520267.8/53

Out: 0.002+/-0.000 χ^2/NDF:10066233.6/58

All: 0.002+/-0.000 χ^2/NDF: 20598634.3/112

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.467+/-0.000 χ^2/NDF: 449005093516.6/30

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.466+/-0.000 χ^2/NDF: 390623151850.0/33

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

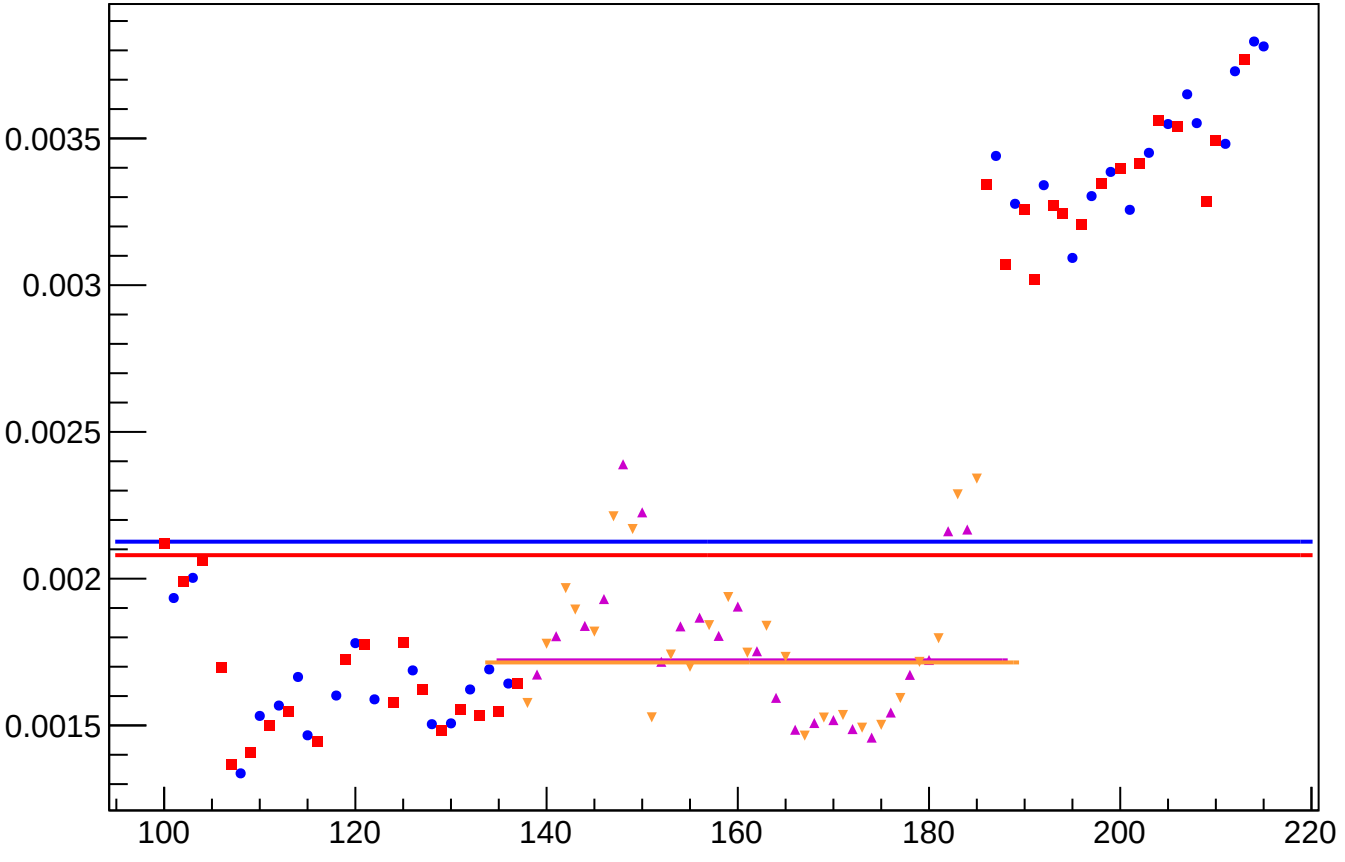
Right: -4.466+/-0.000 χ^2/NDF: 839628917152.7/64

In: -4.037+/-0.000 χ^2/NDF:1922244067666.6/53

Out: -4.026+/-0.000 χ^2/NDF:2035989889326.7/58

All: -4.032+/-0.000 χ^2/NDF: 3958830610081

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5104979.0/30

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4756259.9/33

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

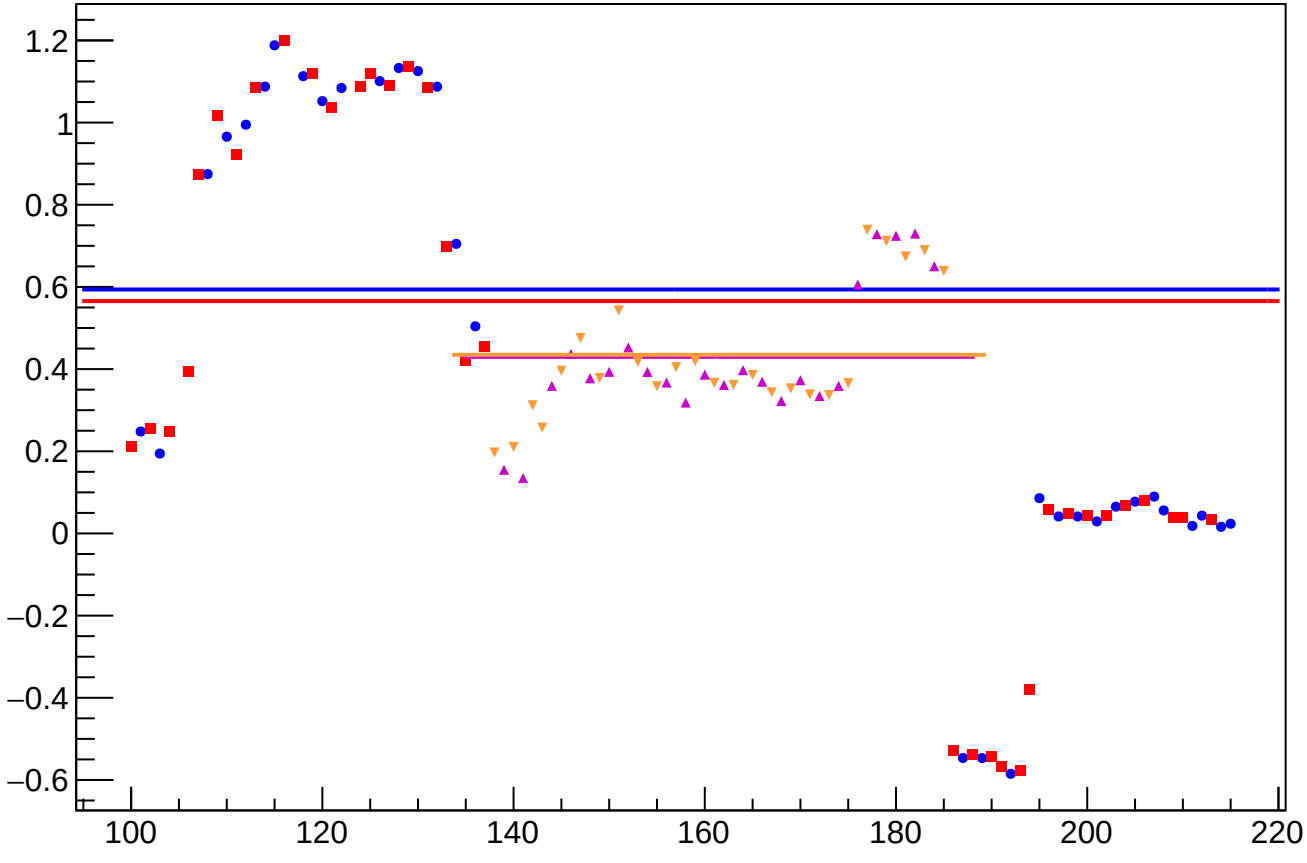
Right: 0.002+/-0.000 χ^2/NDF: 9869031.9/64

In: 0.002+/-0.000 χ^2/NDF:6420782.9/53

Out: 0.002+/-0.000 χ^2/NDF:5948299.7/58

All: 0.002+/-0.000 χ^2/NDF: 12374516.4/112

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.594+/-0.000 χ^2/NDF: 75688423845.2/30

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.566+/-0.000 χ^2/NDF: 91854572240.5/33

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

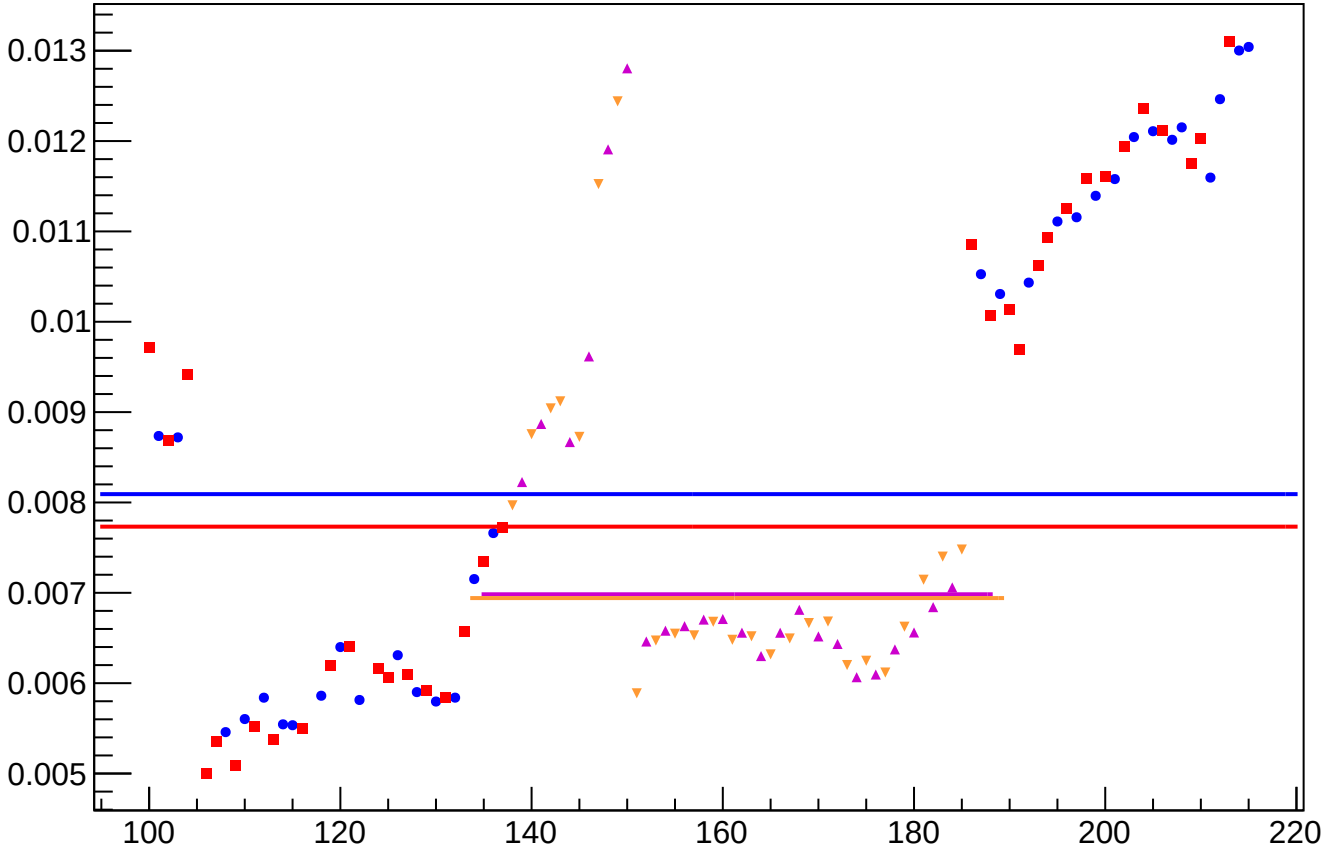
Right: 0.579+/-0.000 χ^2/NDF: 167652089200.7/64

In: 0.499+/-0.000 χ^2/NDF:88828117361.9/53

Out: 0.490+/-0.000 χ^2/NDF:103171808985.4/58

All: 0.494+/-0.000 χ^2/NDF: 192025967458.0

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3779761.4/30

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3948467.1/33

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

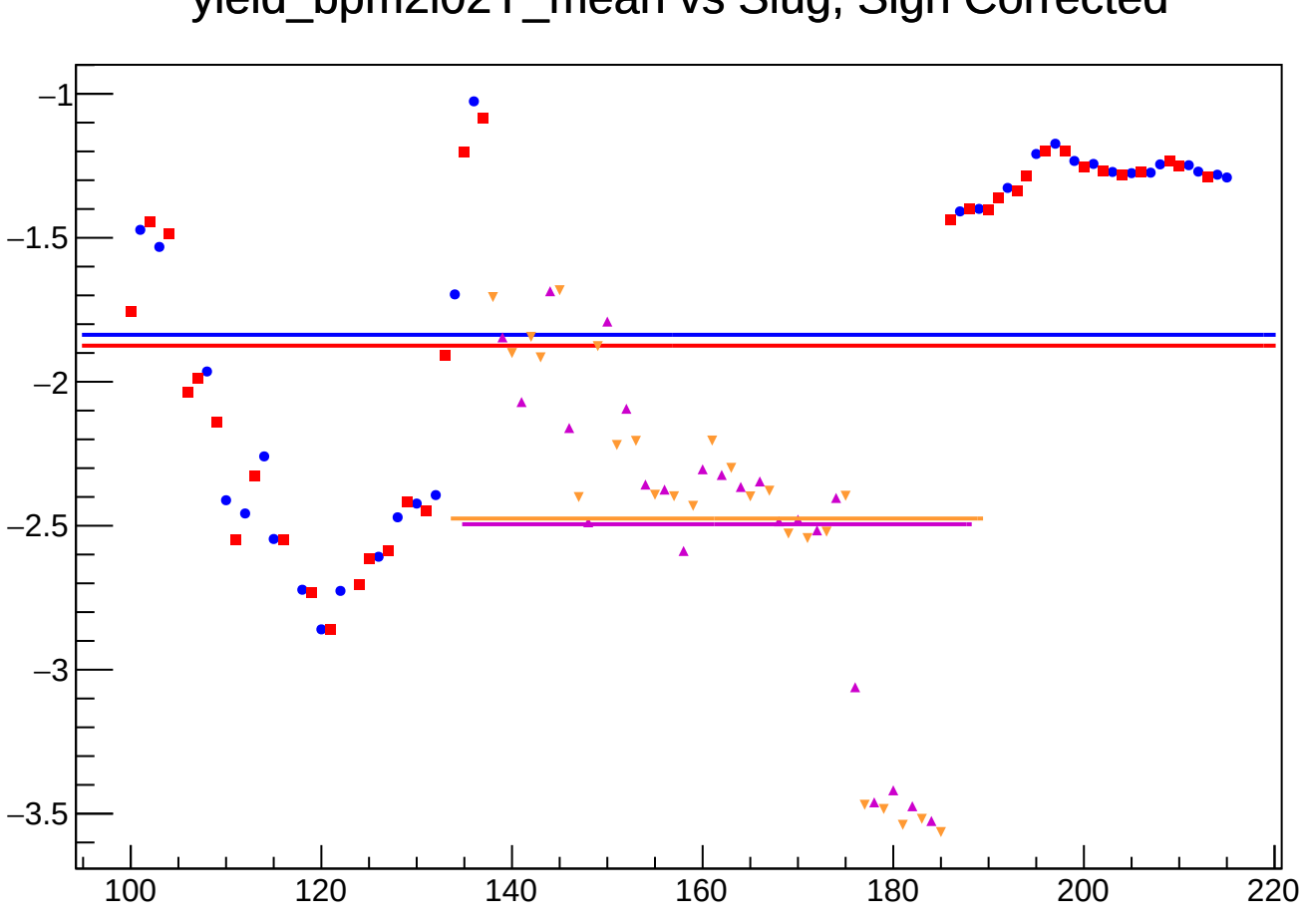
Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

Right: 0.008+/-0.000 χ^2/NDF: 7763604.0/64

In: 0.007+/-0.000 χ^2/NDF:5291068.6/53

Out: 0.007+/-0.000 χ^2/NDF:5244009.4/58

All: 0.007+/-0.000 χ^2/NDF: 10554931.5/112



Right In: -1.837+/-0.000 χ^2/NDF: 120977097989.6/30

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.875+/-0.000 χ^2/NDF: 115537058632.6/33

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

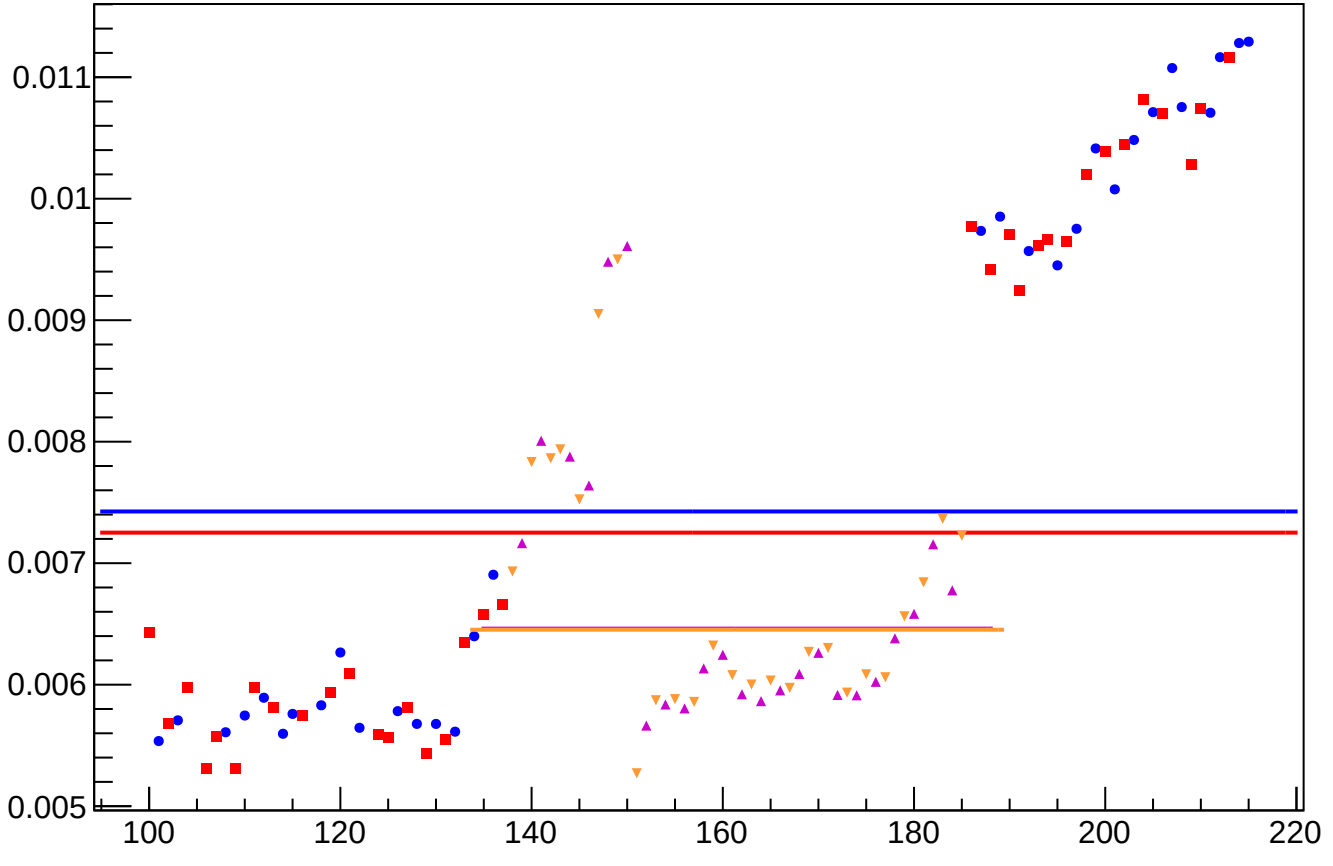
Right: -1.856+/-0.000 χ^2/NDF: 236746364272.9/64

In: -2.214+/-0.000 χ^2/NDF:297132764927.2/53

Out: -2.221+/-0.000 χ^2/NDF:307801152579.2/58

All: -2.217+/-0.000 χ^2/NDF: 604954329894.7

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3136532.8/30

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2930642.2/33

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

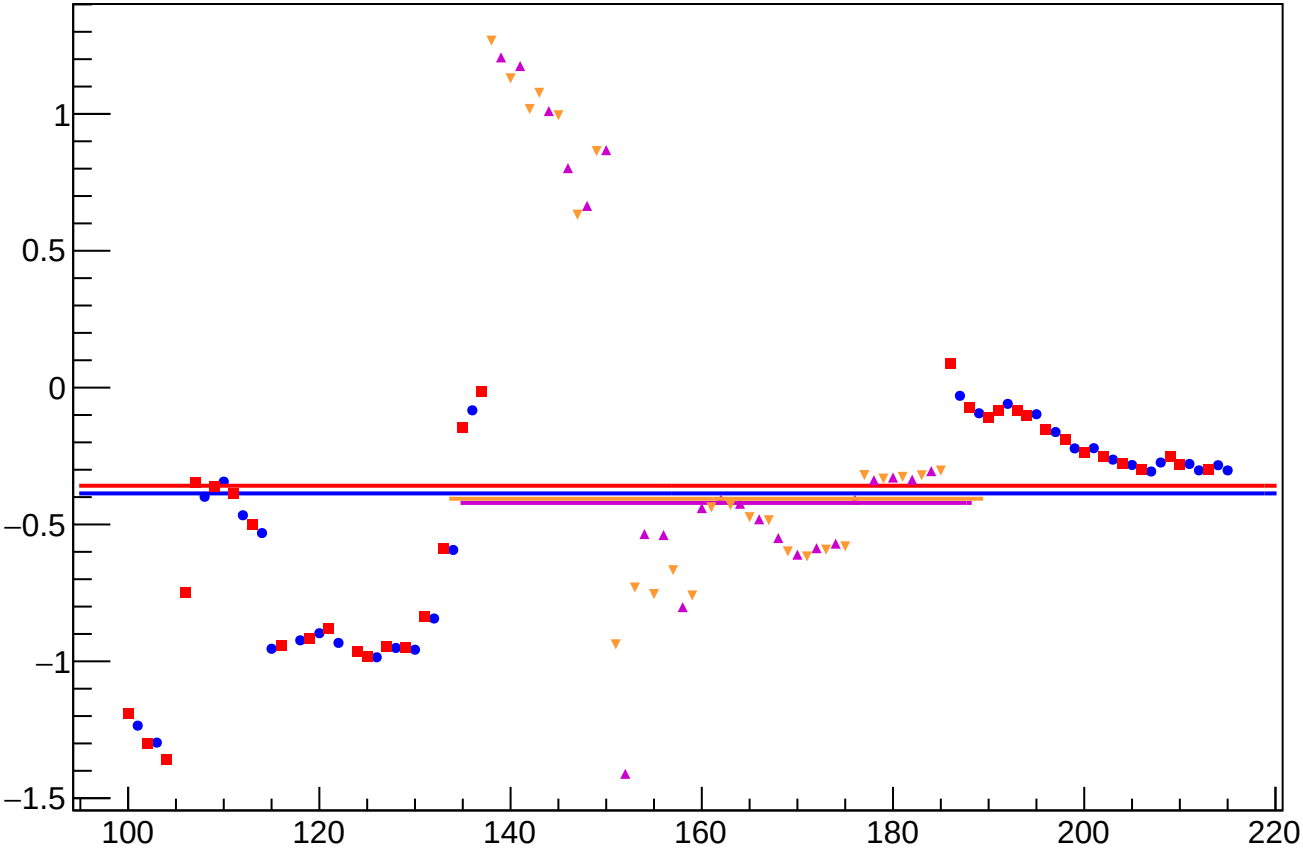
Right: 0.007+/-0.000 χ^2/NDF: 6077082.0/64

In: 0.007+/-0.000 χ^2/NDF:4198187.5/53

Out: 0.007+/-0.000 χ^2/NDF:3889462.0/58

All: 0.007+/-0.000 χ^2/NDF: 8092938.4/112

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.387+/-0.000 χ^2/NDF: 24662029251.1/30

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.358+/-0.000 χ^2/NDF: 27309591043.1/33

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

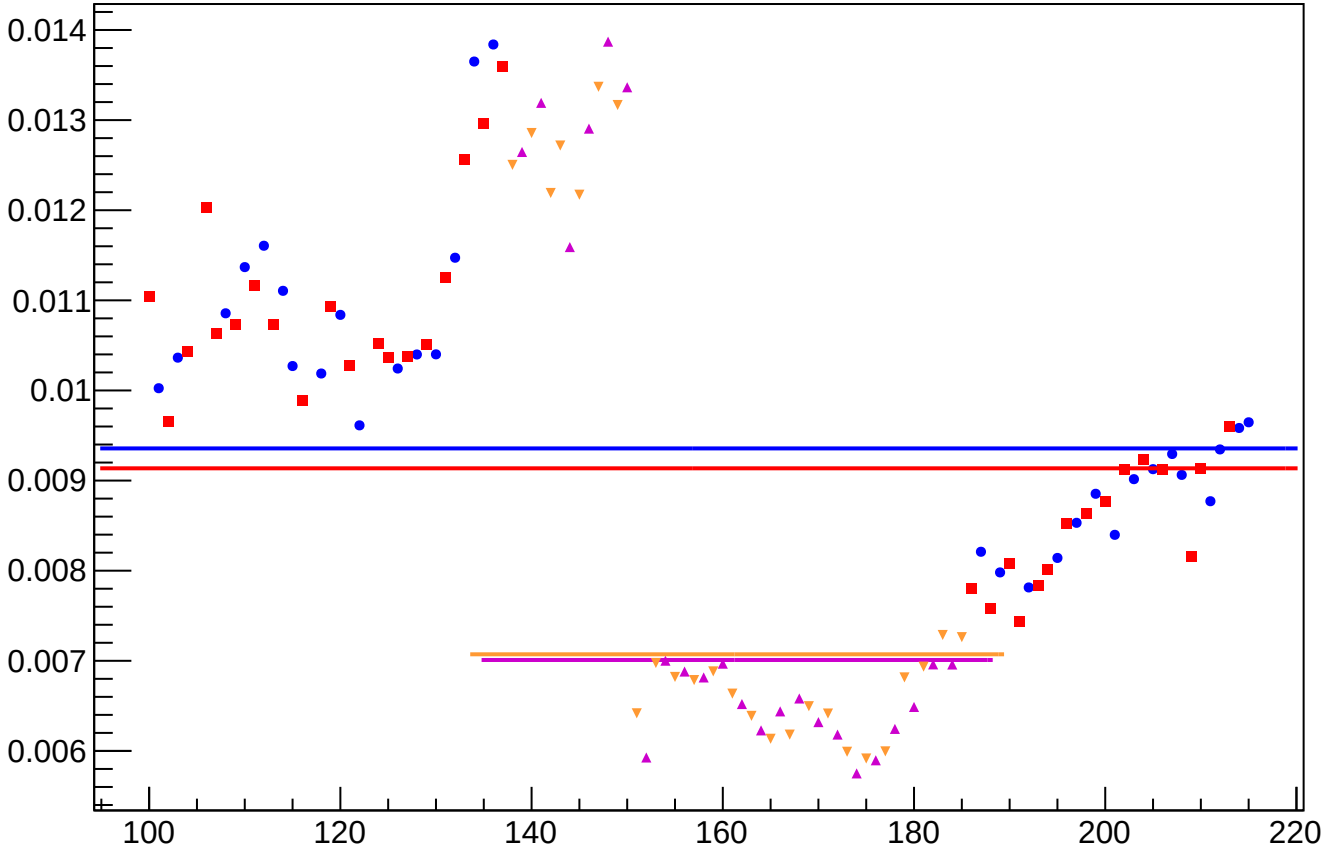
Right: -0.372+/-0.000 χ^2/NDF: 52056619434.2/64

In: -0.408+/-0.000 χ^2/NDF:115061119014.4/53

Out: -0.388+/-0.000 χ^2/NDF:109248993056.7/58

All: -0.398+/-0.000 χ^2/NDF: 224423056502.1

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 638548.1/30

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 703898.2/33

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

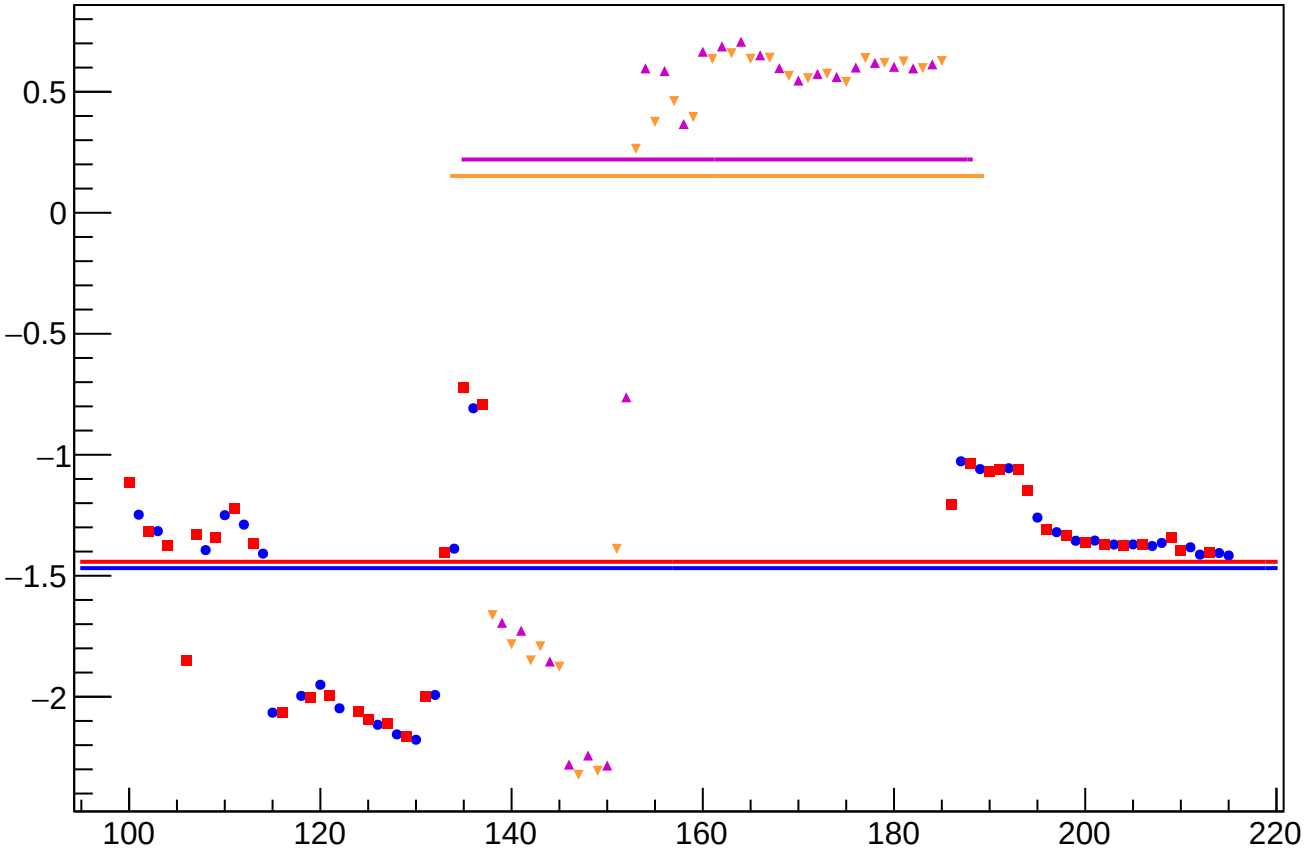
Right: 0.009+/-0.000 χ^2/NDF: 1352976.3/64

In: 0.008+/-0.000 χ^2/NDF:4540082.8/53

Out: 0.008+/-0.000 χ^2/NDF:4242055.2/58

All: 0.008+/-0.000 χ^2/NDF: 8783646.7/112

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.468+/-0.000 χ^2/NDF: 183897970193.0/30

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.442+/-0.000 χ^2/NDF: 172686139861.6/33

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

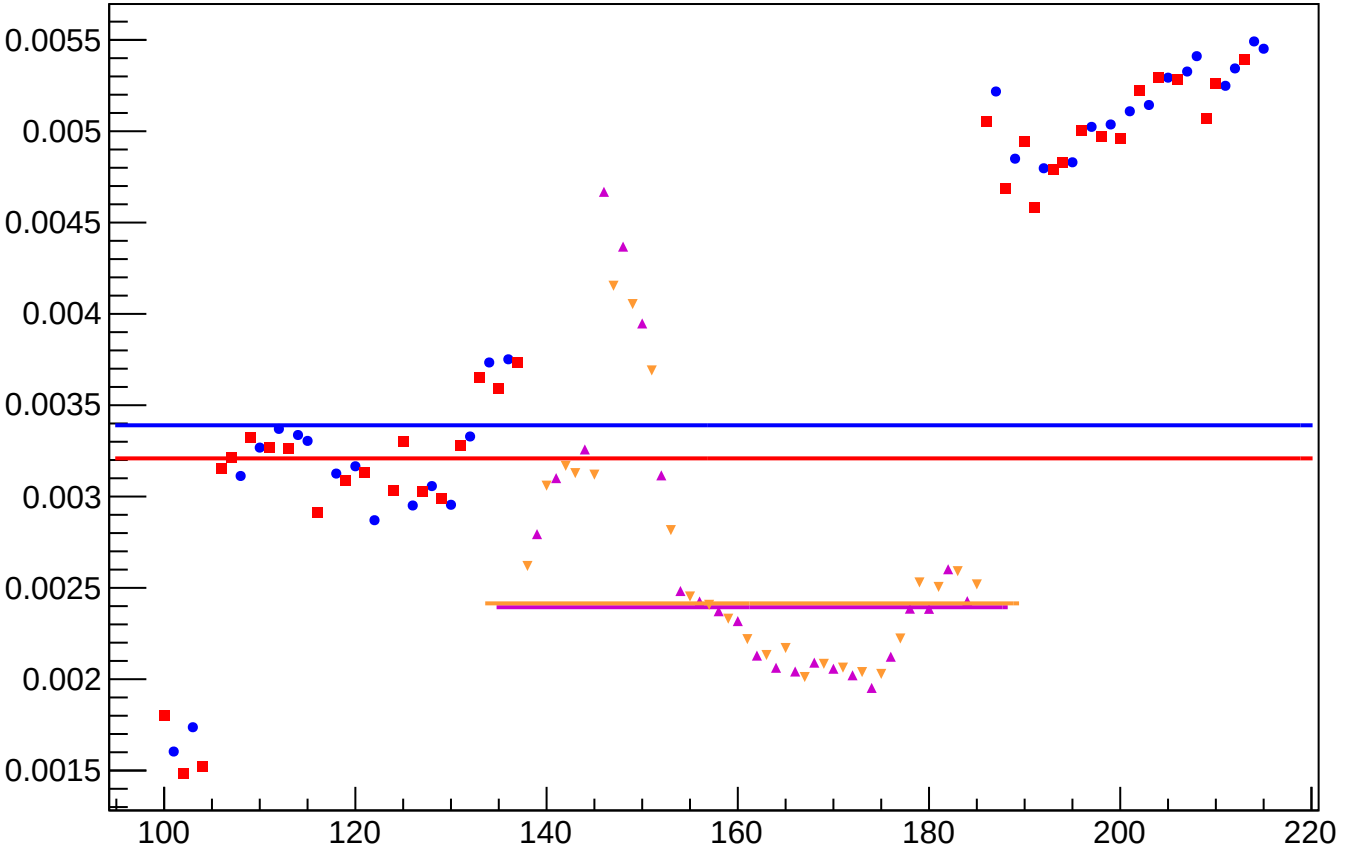
Right: -1.455+/-0.000 χ^2/NDF: 357068423017.1/64

In: -0.336+/-0.000 χ^2/NDF:4922572724188.3/53

Out: -0.379+/-0.000 χ^2/NDF:5049299541596.8/58

All: -0.358+/-0.000 χ^2/NDF: 9975859013359

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5260297.7/30

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5824272.1/33

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

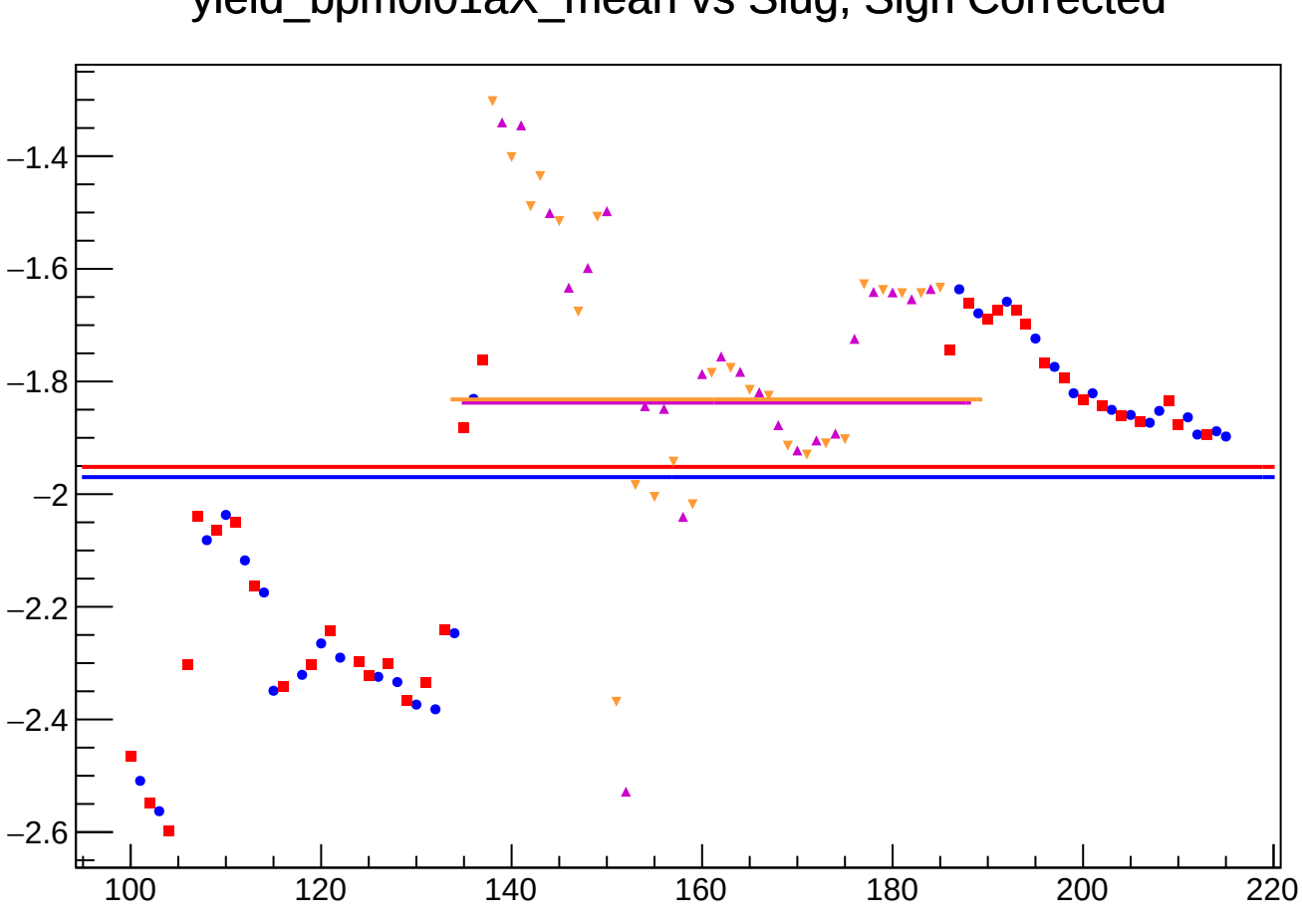
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11130949.0/64

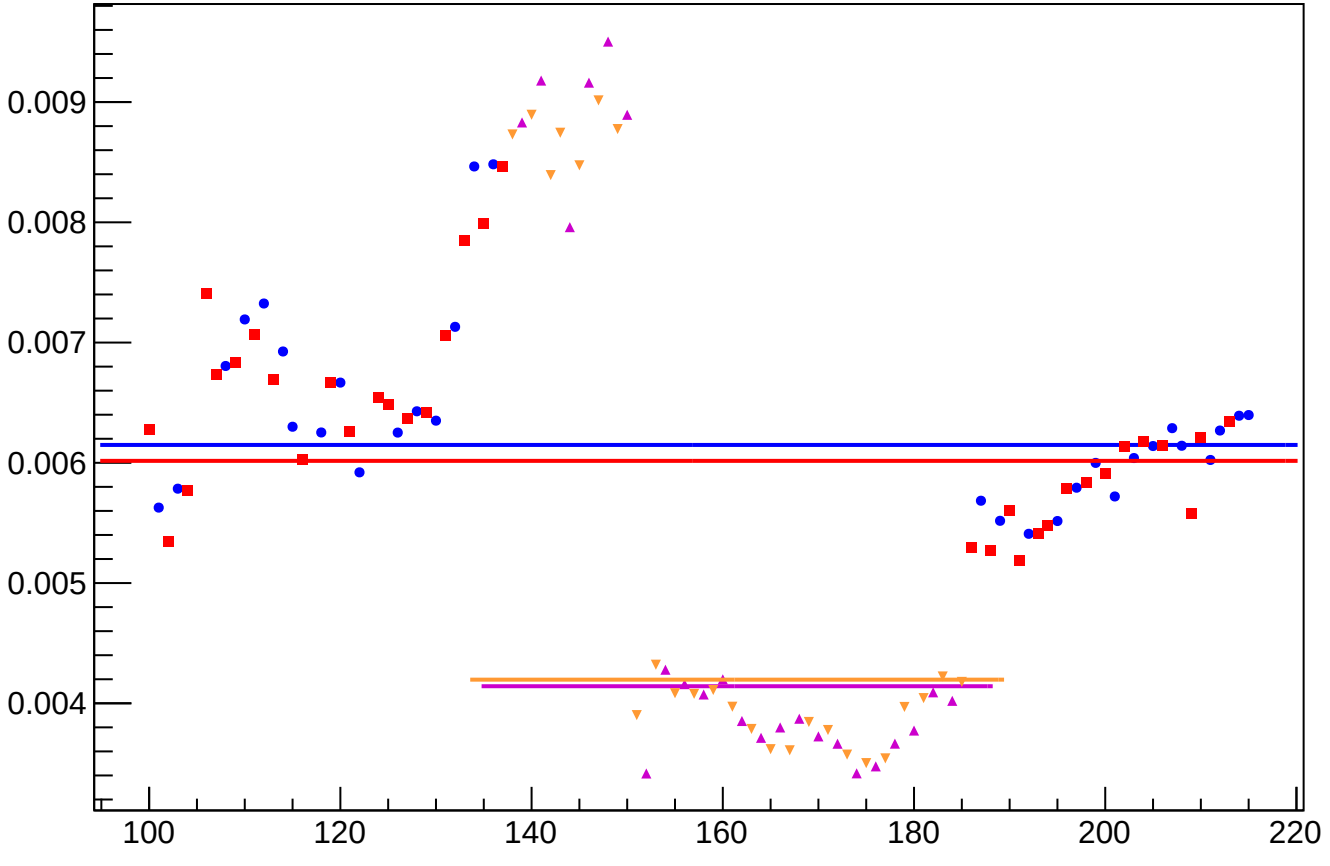
In: 0.003+/-0.000 χ^2/NDF:8490678.1/53

Out: 0.003+/-0.000 χ^2/NDF:8272835.8/58

All: 0.003+/-0.000 χ^2/NDF: 16771178.8/112


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
120
140
160
180
200
220
Right In: -1.970+/-0.000 χ²/NDF: 34136240985.8/30
Left Out: -1.832+/-0.000 χ²/NDF:38365576589.1/24
Right Out: -1.952+/-0.000 χ²/NDF: 37993638046.7/33
Left In: -1.838+/-0.000 χ²/NDF:53437434367.2/22
Left: -1.835+/-0.000 χ²/NDF: 91818701563.9/47
Right: -1.961+/-0.000 χ²/NDF: 72212339039.9/64
In: -1.883+/-0.000 χ²/NDF:93220596088.8/53
Out: -1.873+/-0.000 χ²/NDF:81133170596.0/58
All: -1.878+/-0.000 χ²/NDF: 174430662677.8

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 374144.0/30

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 396610.1/33

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

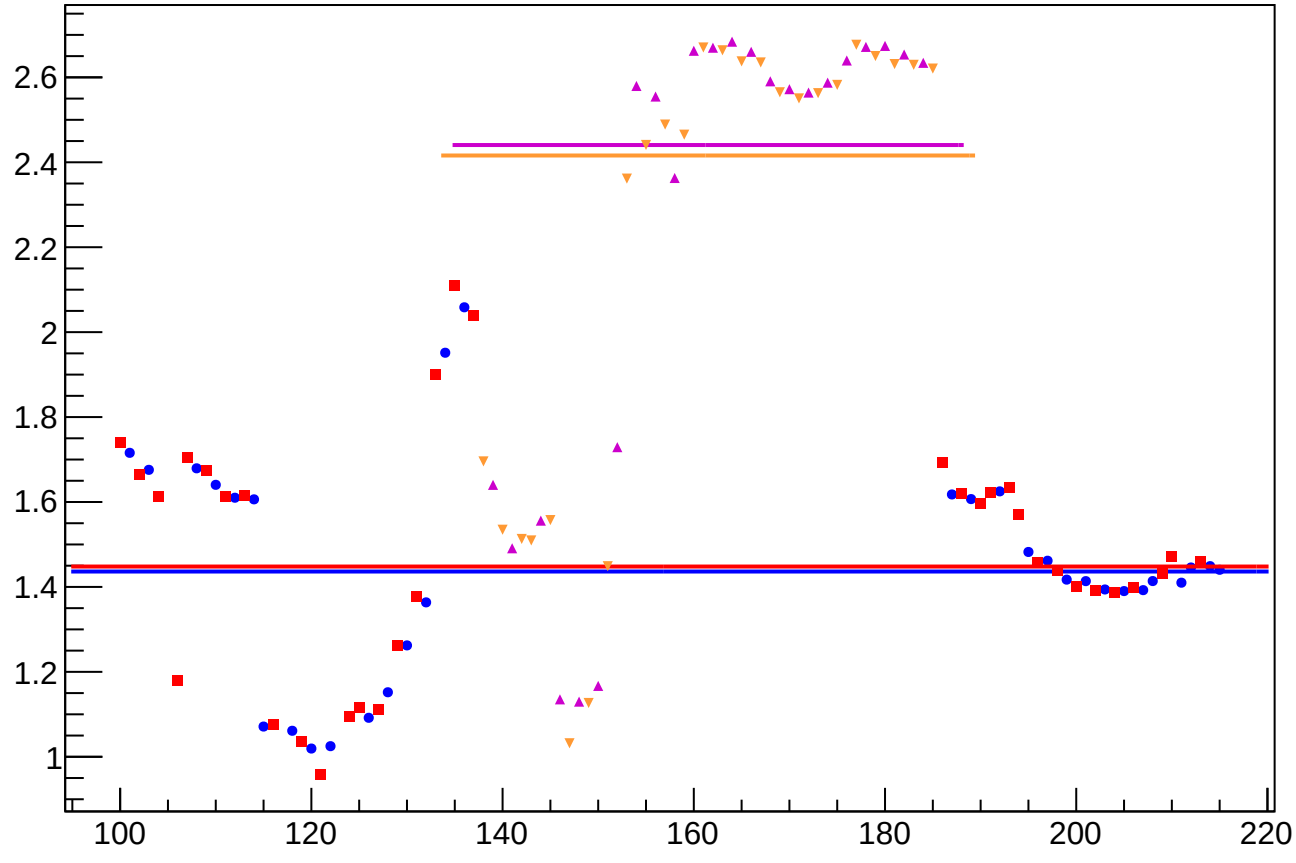
Right: 0.006+/-0.000 χ^2/NDF: 779510.4/64

In: 0.005+/-0.000 χ^2/NDF:6171898.3/53

Out: 0.005+/-0.000 χ^2/NDF:5694053.3/58

All: 0.005+/-0.000 χ^2/NDF: 11866226.4/112

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.436+/-0.000 χ^2/NDF: 191505833017.0/30

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186651883948.6/33

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

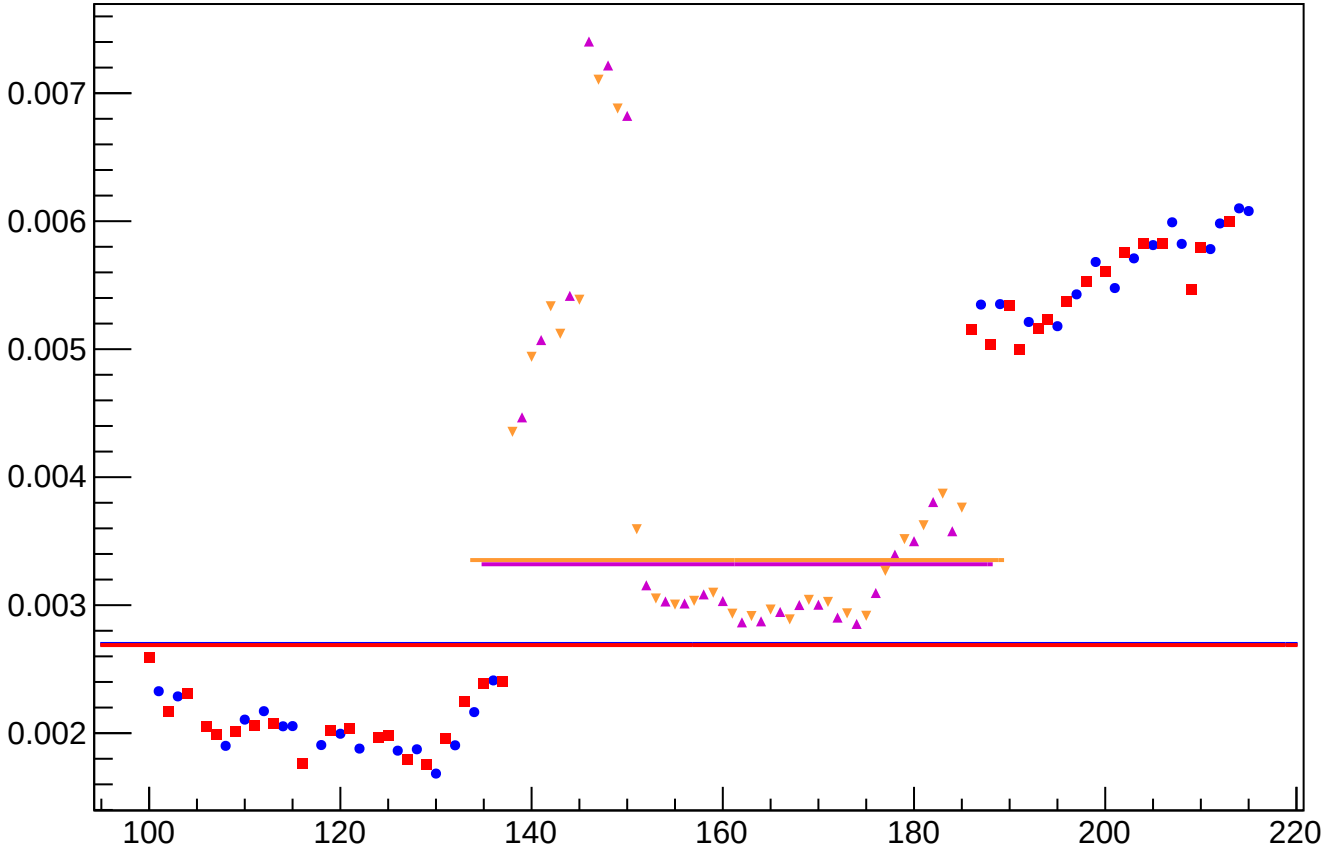
Right: 1.442+/-0.000 χ^2/NDF: 378295494542.3/64

In: 1.864+/-0.000 χ^2/NDF:1281352668411.6/53

Out: 1.870+/-0.000 χ^2/NDF:1250425592910.9/58

All: 1.867+/-0.000 χ^2/NDF: 2531834787149.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 8223368.7/30

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7511704.7/33

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

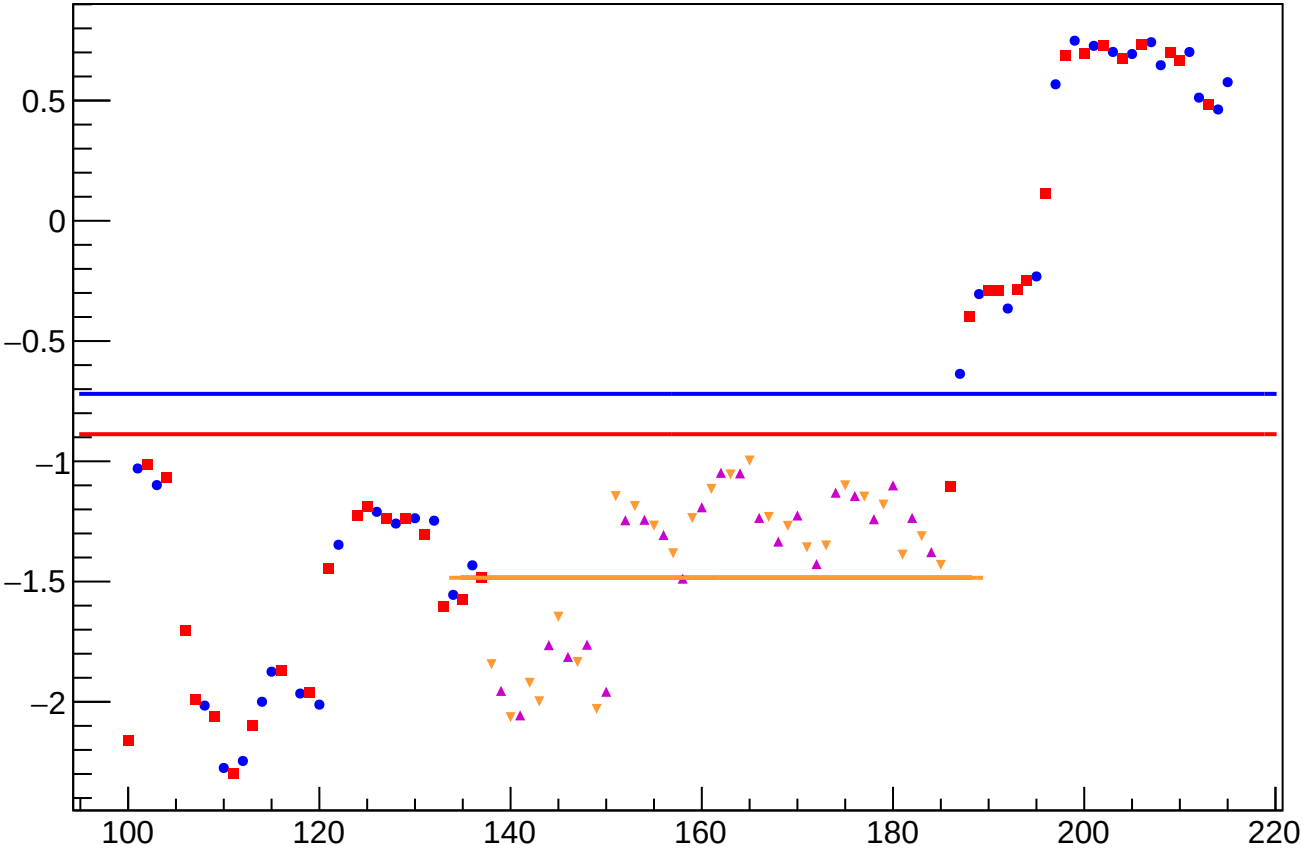
Right: 0.003+/-0.000 χ^2/NDF: 15735221.3/64

In: 0.003+/-0.000 χ^2/NDF:10938799.7/53

Out: 0.003+/-0.000 χ^2/NDF:10104286.6/58

All: 0.003+/-0.000 χ^2/NDF: 21043930.9/112

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.720+/-0.000 χ^2/NDF: 251570540118.5/30

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.887+/-0.000 χ^2/NDF: 270413129791.6/33

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

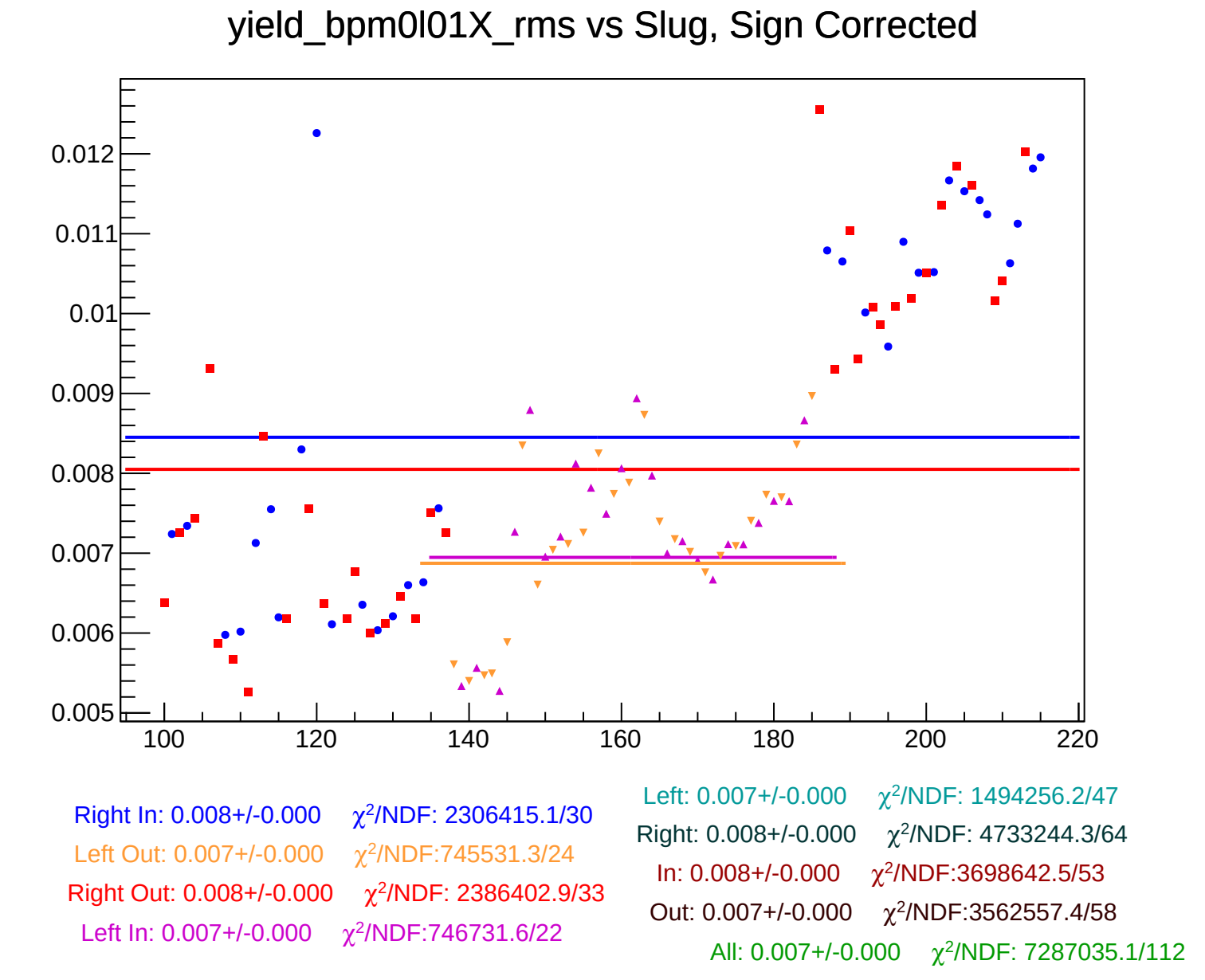
Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

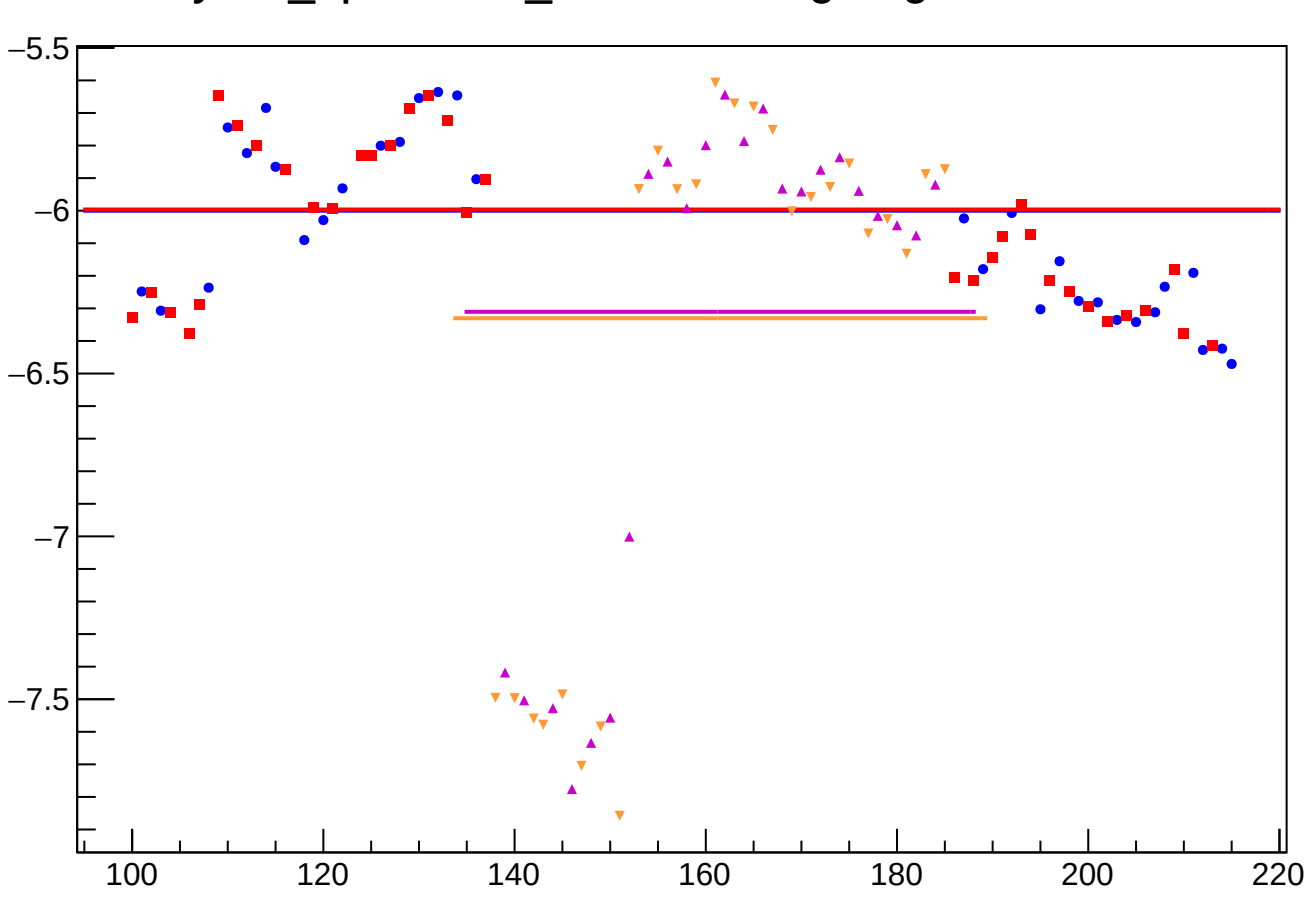
Right: -0.807+/-0.000 χ^2/NDF: 525507478393.3/64

In: -1.174+/-0.000 χ^2/NDF:375187083275.8/53

Out: -1.241+/-0.000 χ^2/NDF:374349797556.1/58

All: -1.209+/-0.000 χ^2/NDF: 750940656396.6


yield_bpm0l01X_rms vs Slug, Sign Corrected
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
100
120
140
160
180
200
220
Right In: 0.008+/-0.000 χ²/NDF: 2306415.1/30
Left Out: 0.007+/-0.000 χ²/NDF:745531.3/24
Right Out: 0.008+/-0.000 χ²/NDF: 2386402.9/33
Left In: 0.007+/-0.000 χ²/NDF:746731.6/22
Left: 0.007+/-0.000 χ²/NDF: 1494256.2/47
Right: 0.008+/-0.000 χ²/NDF: 4733244.3/64
In: 0.008+/-0.000 χ²/NDF:3698642.5/53
Out: 0.007+/-0.000 χ²/NDF:3562557.4/58
All: 0.007+/-0.000 χ²/NDF: 7287035.1/112



Right In: -6.000+/-0.000 χ^2/NDF: 18252784079.0/30

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.996+/-0.000 χ^2/NDF: 17821660921.1/33

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

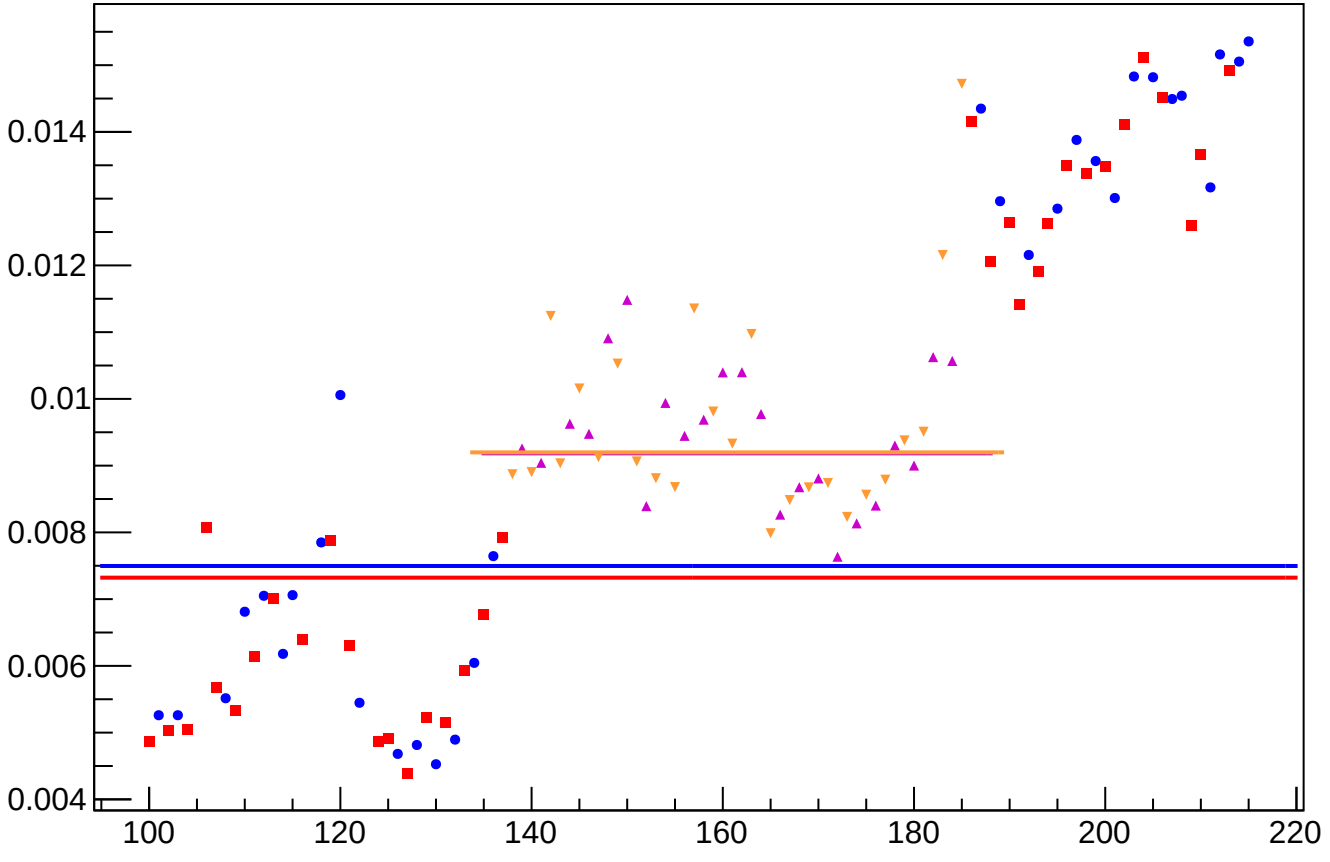
Right: -5.998+/-0.000 χ^2/NDF: 36076148922.5/64

In: -6.129+/-0.000 χ^2/NDF:120251541733.2/53

Out: -6.134+/-0.000 χ^2/NDF:140665532434.3/58

All: -6.131+/-0.000 χ^2/NDF: 260922949018.0

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6984313.3/30

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 6266328.2/33

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

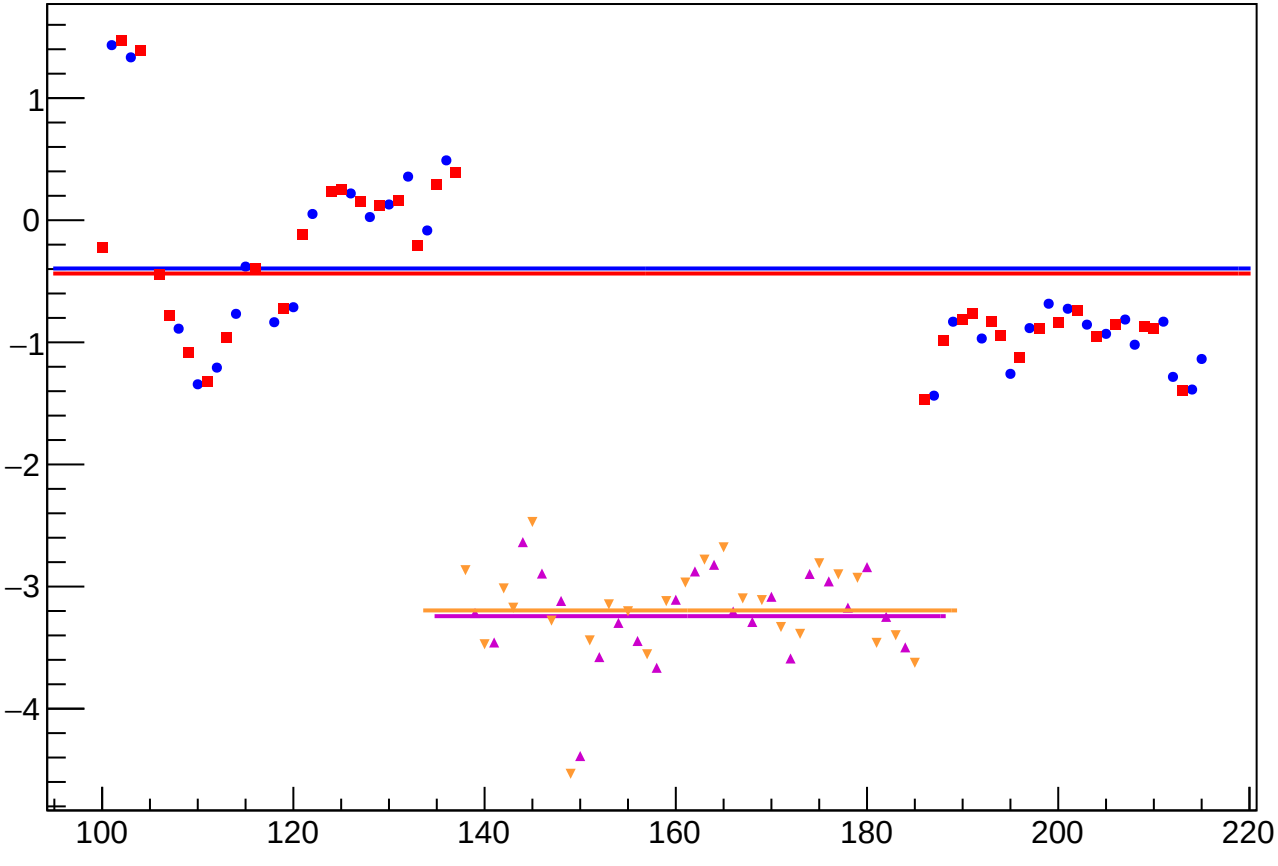
Right: 0.007+/-0.000 χ^2/NDF: 13258766.3/64

In: 0.008+/-0.000 χ^2/NDF:7912667.0/53

Out: 0.008+/-0.000 χ^2/NDF:7424542.8/58

All: 0.008+/-0.000 χ^2/NDF: 15341931.9/112

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.395+/-0.000 χ^2/NDF: 39792327247.0/30

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.437+/-0.000 χ^2/NDF: 38200136160.4/33

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

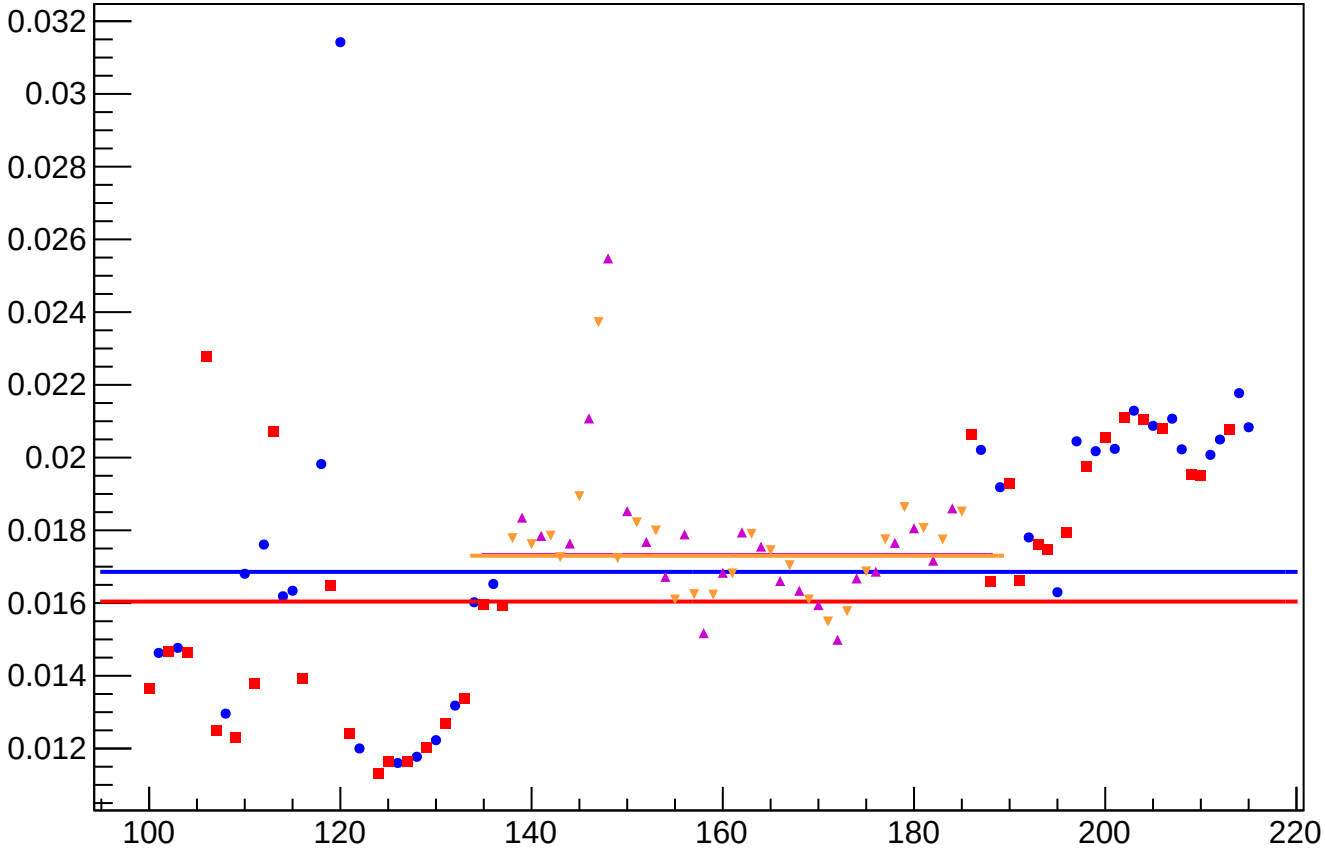
Right: -0.417+/-0.000 χ^2/NDF: 78047736670.1/64

In: -1.781+/-0.000 χ^2/NDF:290840582848.8/53

Out: -1.755+/-0.000 χ^2/NDF:294451883010.7/58

All: -1.767+/-0.000 χ^2/NDF: 585334297589.1

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 1634479.9/30

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1536769.6/33

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

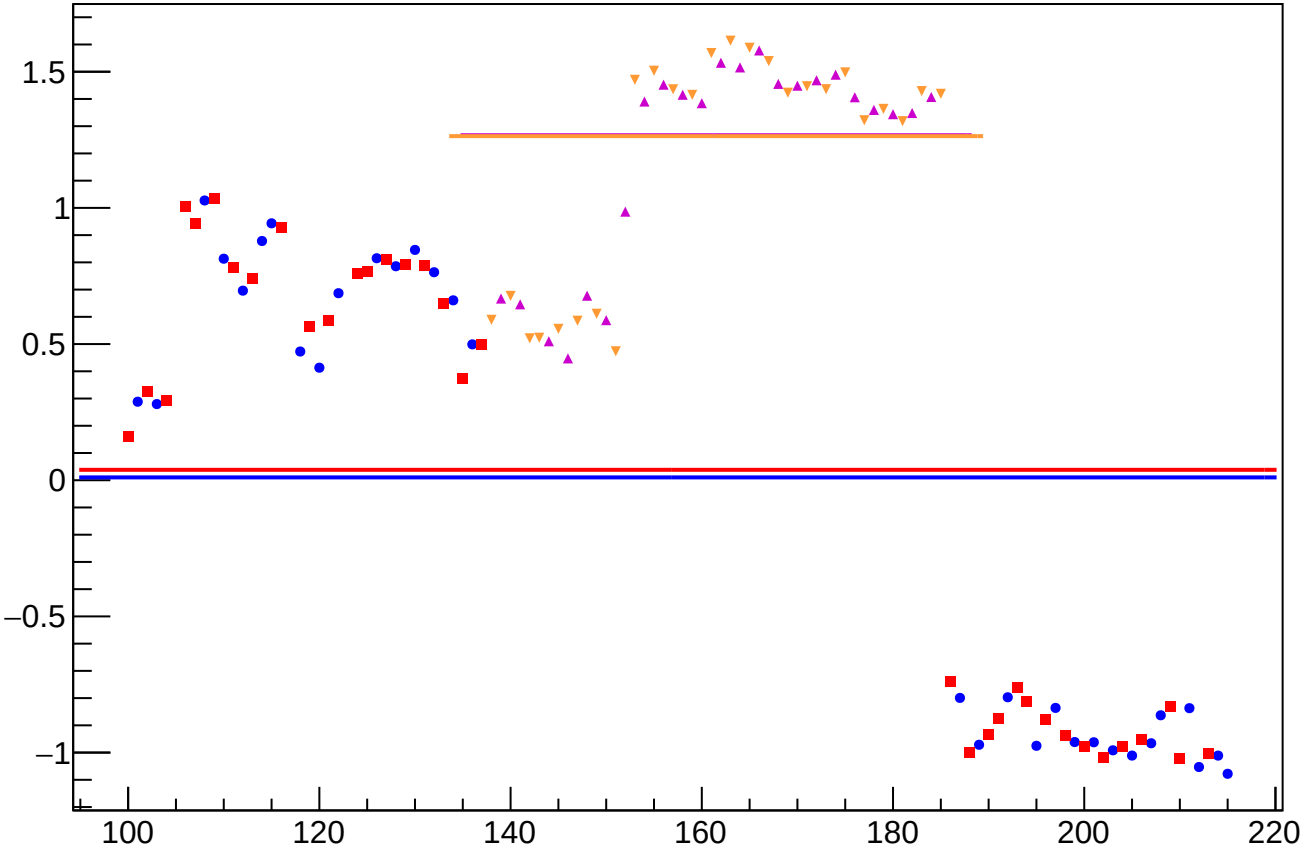
Right: 0.016+/-0.000 χ^2/NDF: 3214237.6/64

In: 0.017+/-0.000 χ^2/NDF:1977355.7/53

Out: 0.017+/-0.000 χ^2/NDF:1857683.5/58

All: 0.017+/-0.000 χ^2/NDF: 3859245.9/112

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 94134778073.1/30

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.038+/-0.000 χ^2/NDF: 100084273496.4/33

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

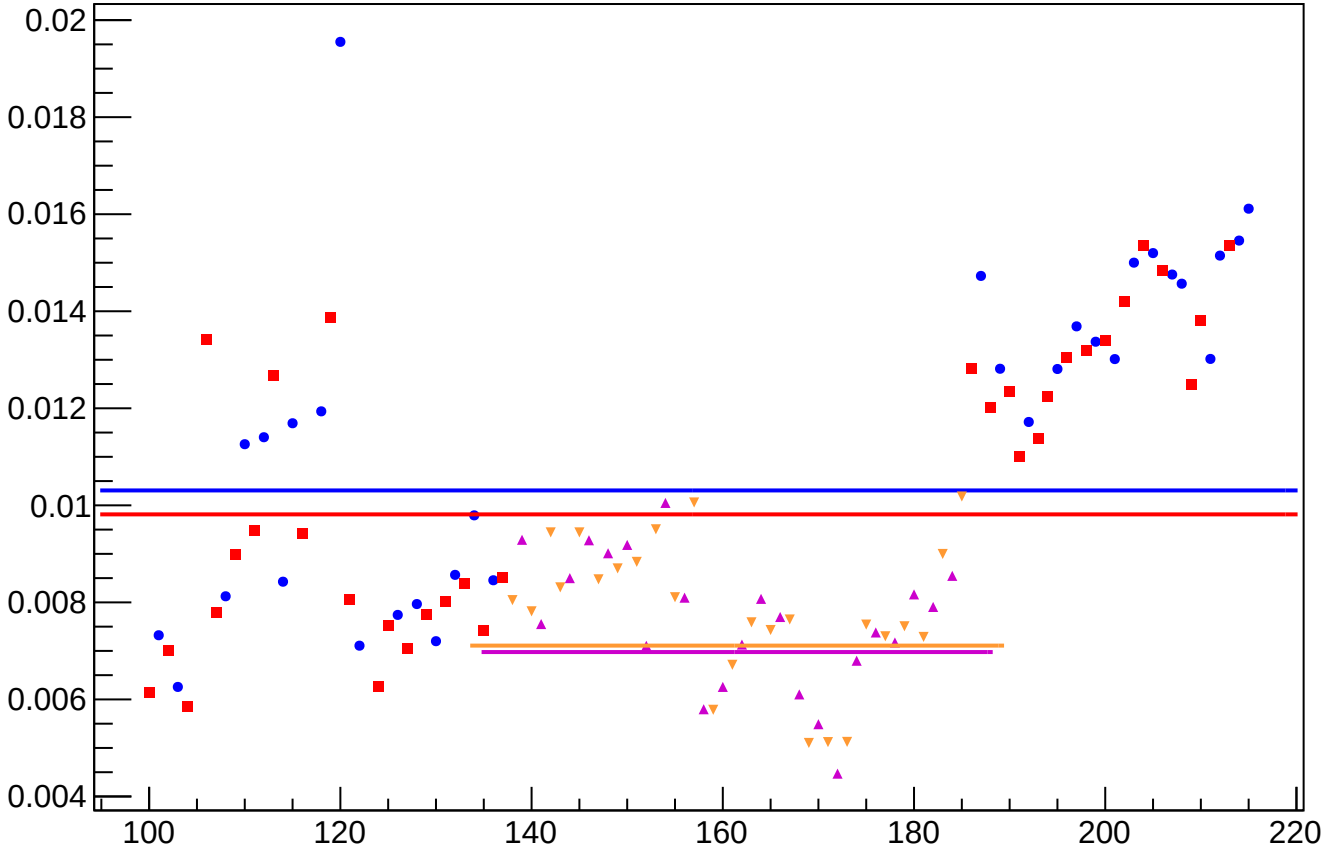
Right: 0.025+/-0.000 χ^2/NDF: 194281759504.4/64

In: 0.869+/-0.000 χ^2/NDF:298403715679.3/53

Out: 0.854+/-0.000 χ^2/NDF:314548605576.5/58

All: 0.862+/-0.000 χ^2/NDF: 613013182520.9

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 3268786.4/30

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 3027715.3/33

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

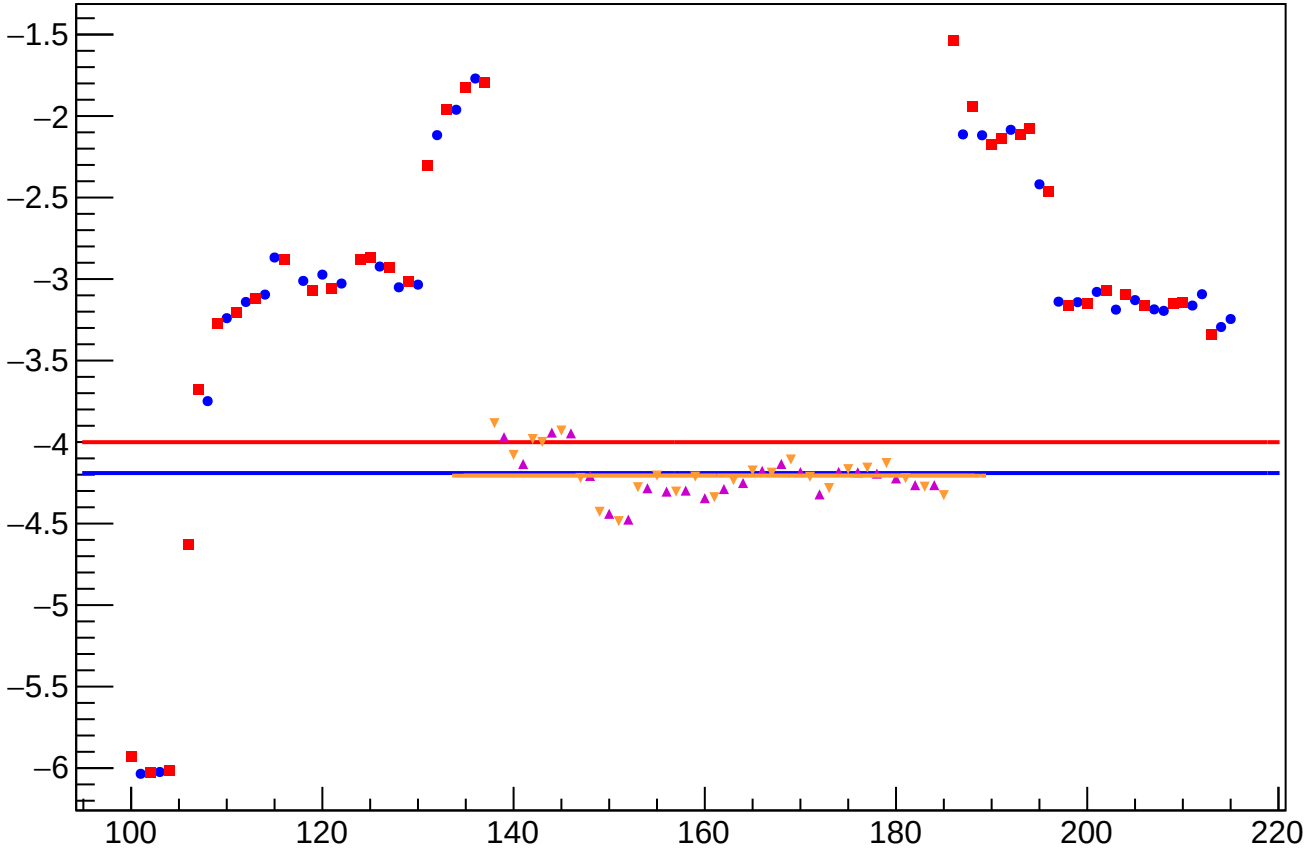
Right: 0.010+/-0.000 χ^2/NDF: 6335784.1/64

In: 0.008+/-0.000 χ^2/NDF:7068419.2/53

Out: 0.008+/-0.000 χ^2/NDF:6192836.8/58

All: 0.008+/-0.000 χ^2/NDF: 13261386.3/112

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.190+/-0.000 χ^2/NDF: 301970049267.0/30

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.001+/-0.000 χ^2/NDF: 306678648093.4/33

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

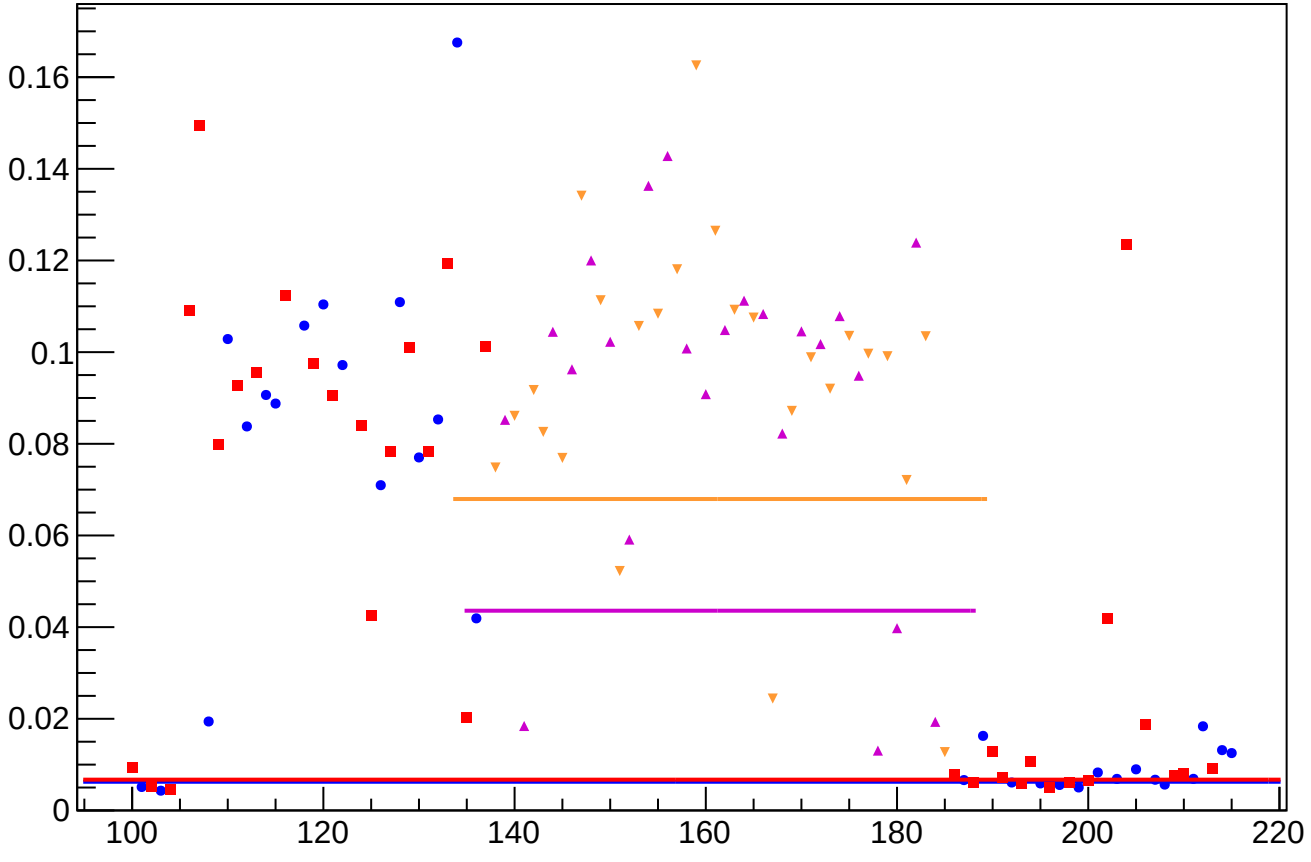
Right: -4.106+/-0.000 χ^2/NDF: 610607589728.3/64

In: -4.190+/-0.000 χ^2/NDF:302013332311.3/53

Out: -4.006+/-0.000 χ^2/NDF:306849568326.6/58

All: -4.109+/-0.000 χ^2/NDF: 610773973910.

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 9350382.7/30

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10736406.3/33

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

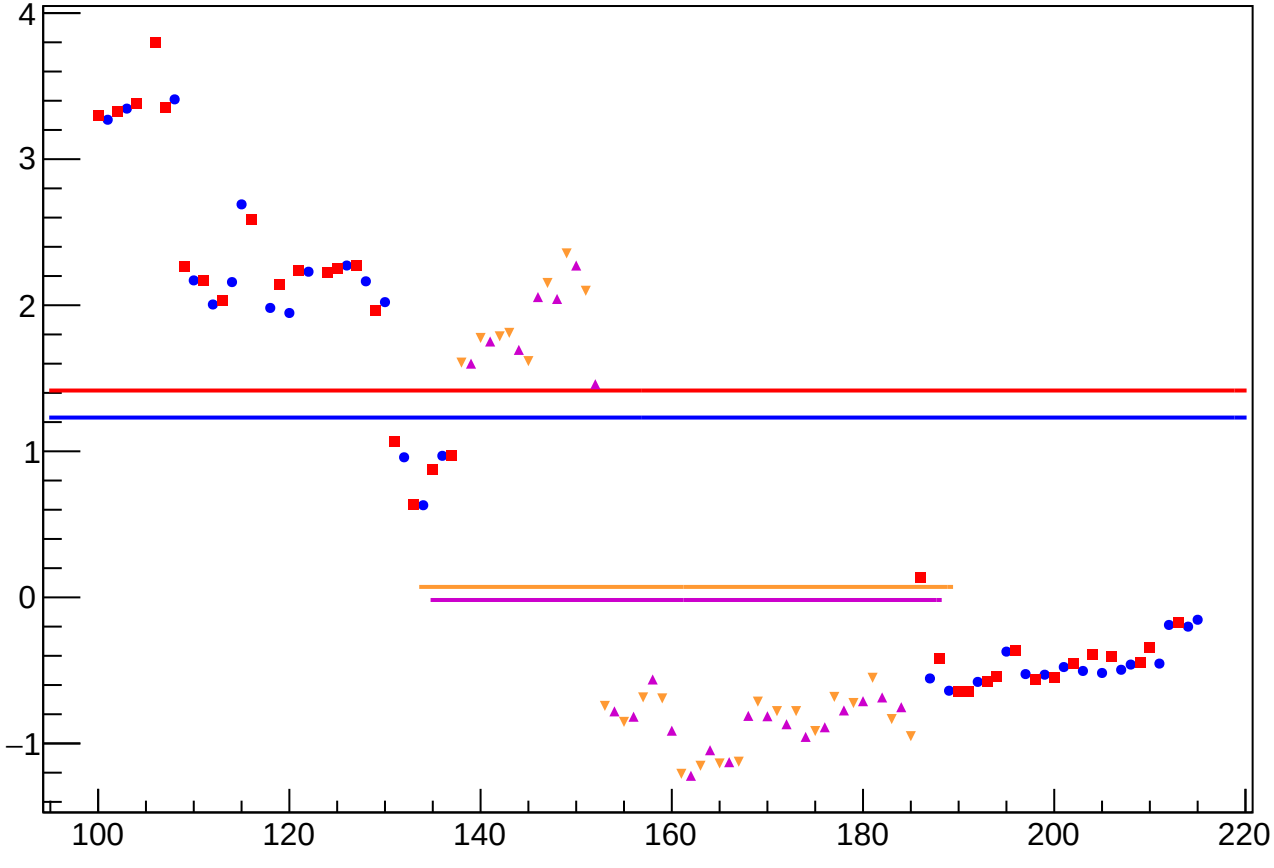
Right: 0.006+/-0.000 χ^2/NDF: 20109365.2/64

In: 0.007+/-0.000 χ^2/NDF:33141983.8/53

Out: 0.008+/-0.000 χ^2/NDF:37795410.4/58

All: 0.008+/-0.000 χ^2/NDF: 71023137.9/112

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.231+/-0.000 χ^2/NDF: 238524093434.1/30

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.416+/-0.000 χ^2/NDF: 208353449520.7/33

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

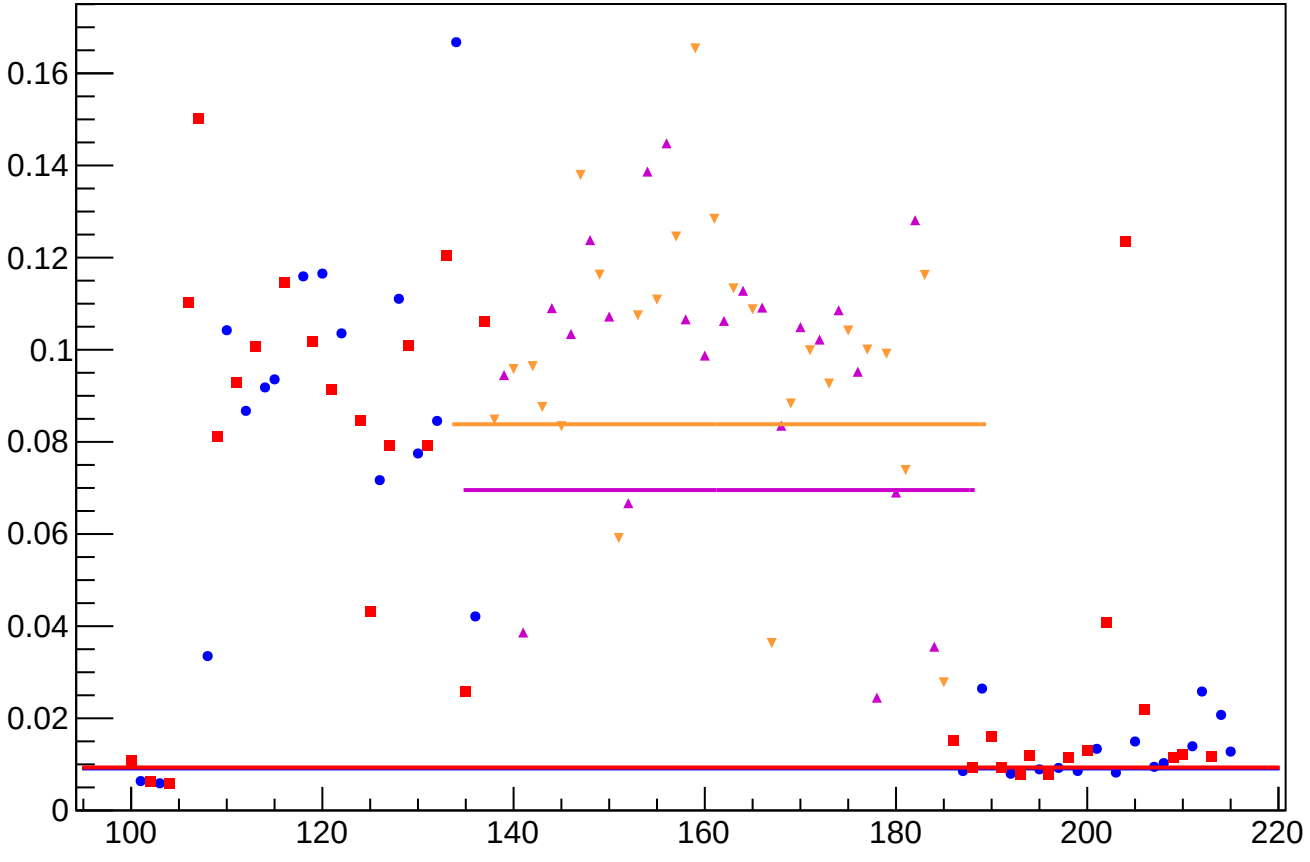
Right: 1.317+/-0.000 χ^2/NDF: 447958713913.6/64

In: 1.189+/-0.000 χ^2/NDF:245563636976.8/53

Out: 1.371+/-0.000 χ^2/NDF:215582443994.9/58

All: 1.273+/-0.000 χ^2/NDF: 462228373128.0

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 9308339.5/30

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10517376.1/33

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

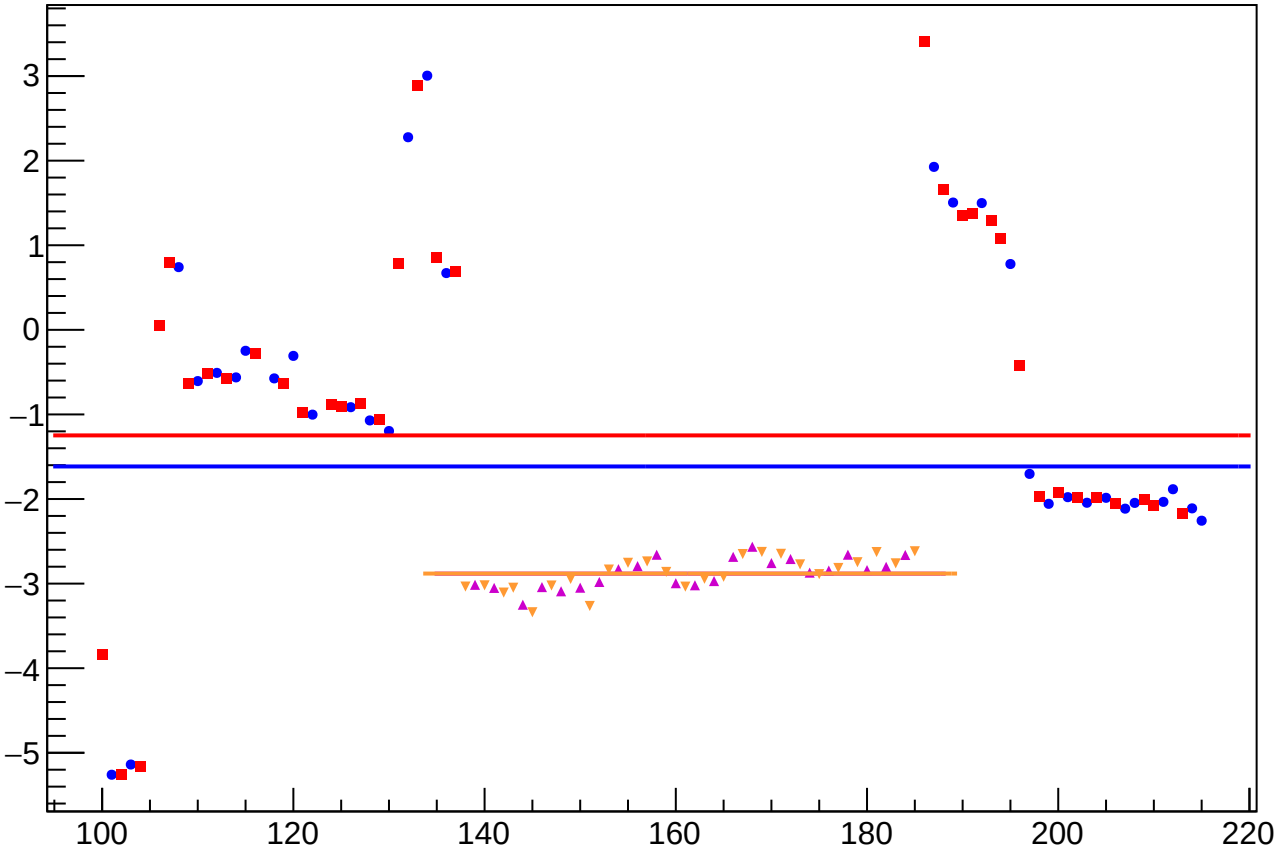
Right: 0.009+/-0.000 χ^2/NDF: 19828623.8/64

In: 0.011+/-0.000 χ^2/NDF:32783738.8/53

Out: 0.012+/-0.000 χ^2/NDF:36416796.4/58

All: 0.011+/-0.000 χ^2/NDF: 69230843.2/112

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.615+/-0.000 χ^2/NDF: 210237131062.3/30

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.248+/-0.000 χ^2/NDF: 239764445083.6/33

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

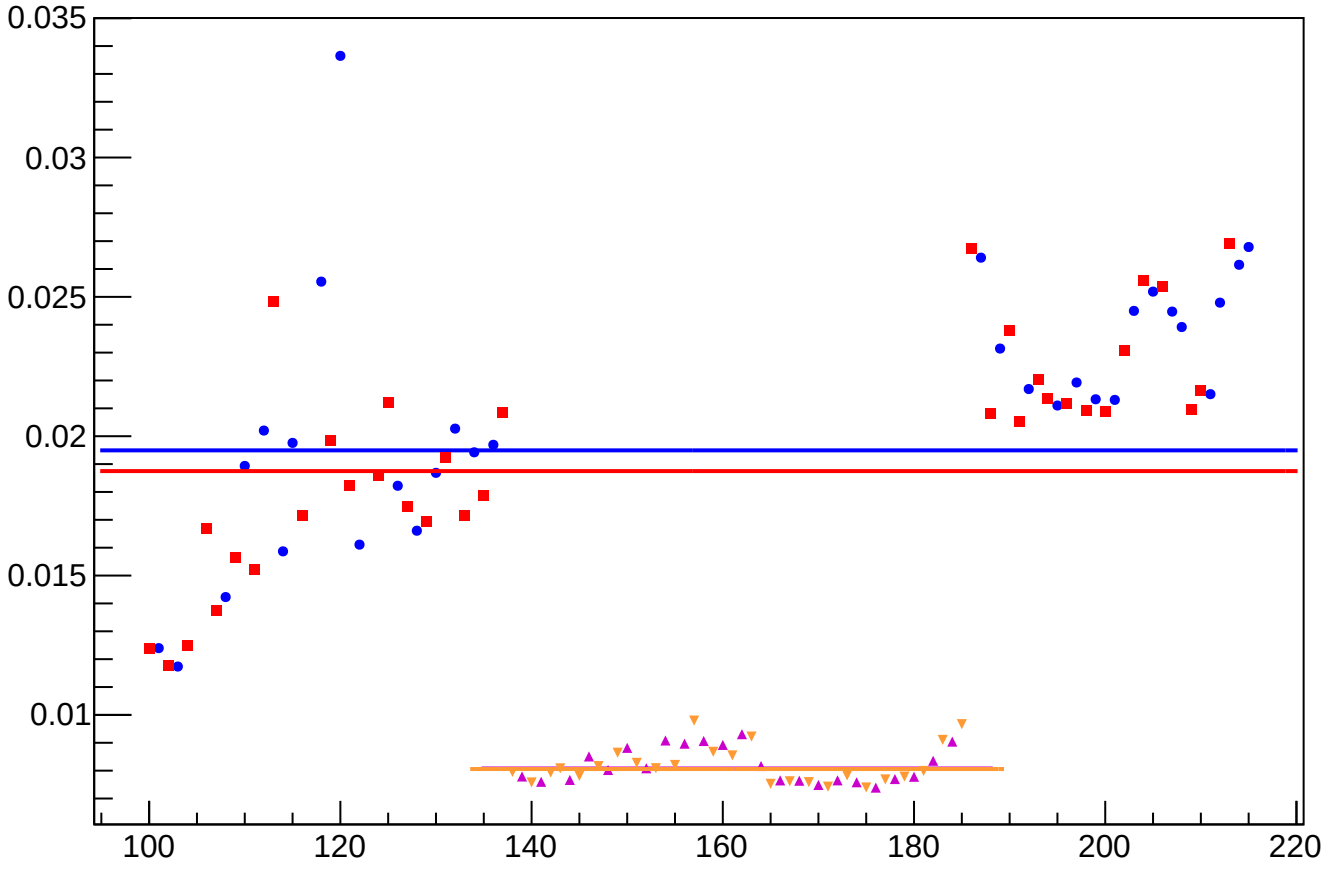
Right: -1.424+/-0.000 χ^2/NDF: 453095280860.1/64

In: -2.703+/-0.000 χ^2/NDF:279313591523.8/53

Out: -2.646+/-0.000 χ^2/NDF:359625624426.1/58

All: -2.673+/-0.000 χ^2/NDF: 639473638420.8

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 2006359.9/30

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF: 1718231.9/33

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

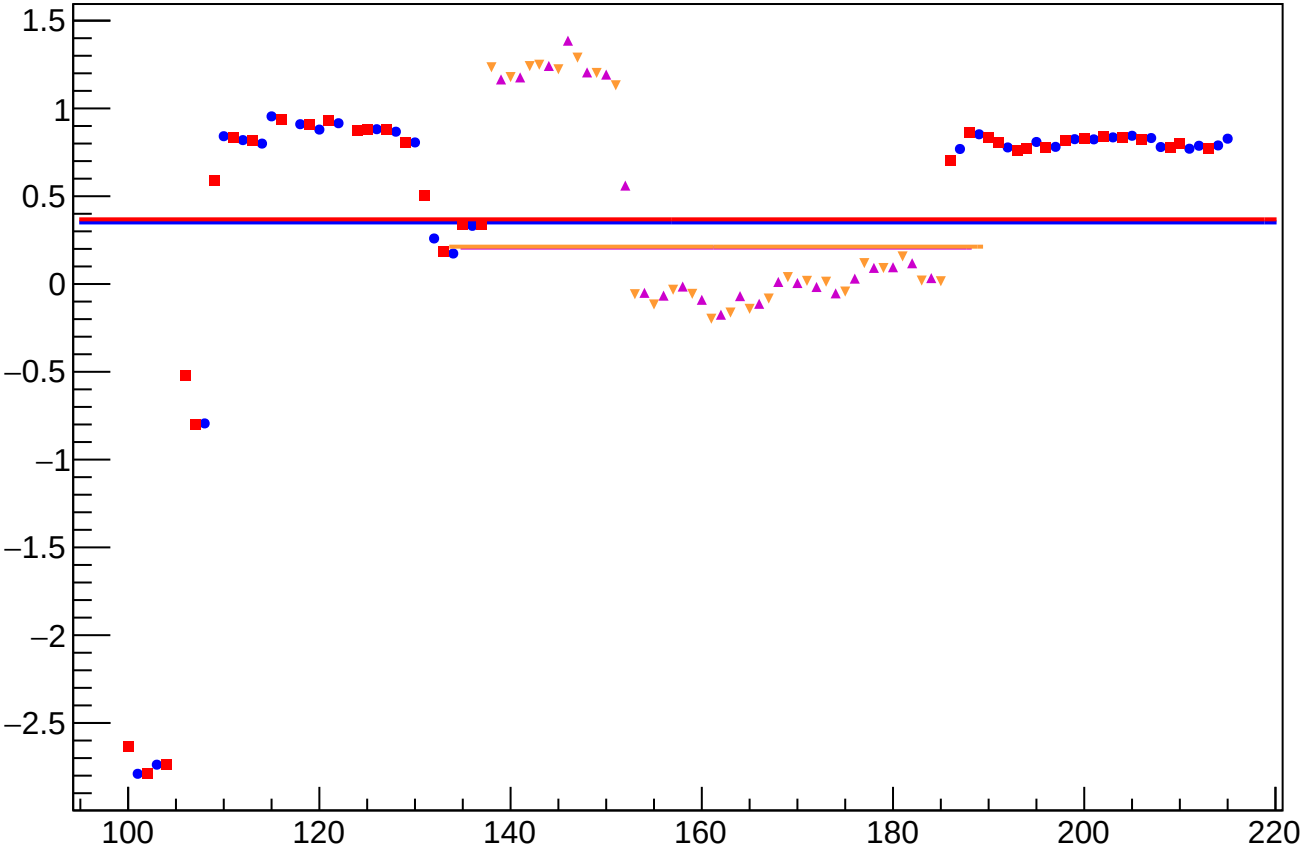
Right: 0.019+/-0.000 χ^2/NDF: 3749974.3/64

In: 0.010+/-0.000 χ^2/NDF:12048334.0/53

Out: 0.010+/-0.000 χ^2/NDF:11269251.1/58

All: 0.010+/-0.000 χ^2/NDF: 23320254.0/112

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.351+/-0.000 χ^2/NDF: 981472567134.6/30

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.368+/-0.000 χ^2/NDF: 1060833179946.5/33

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

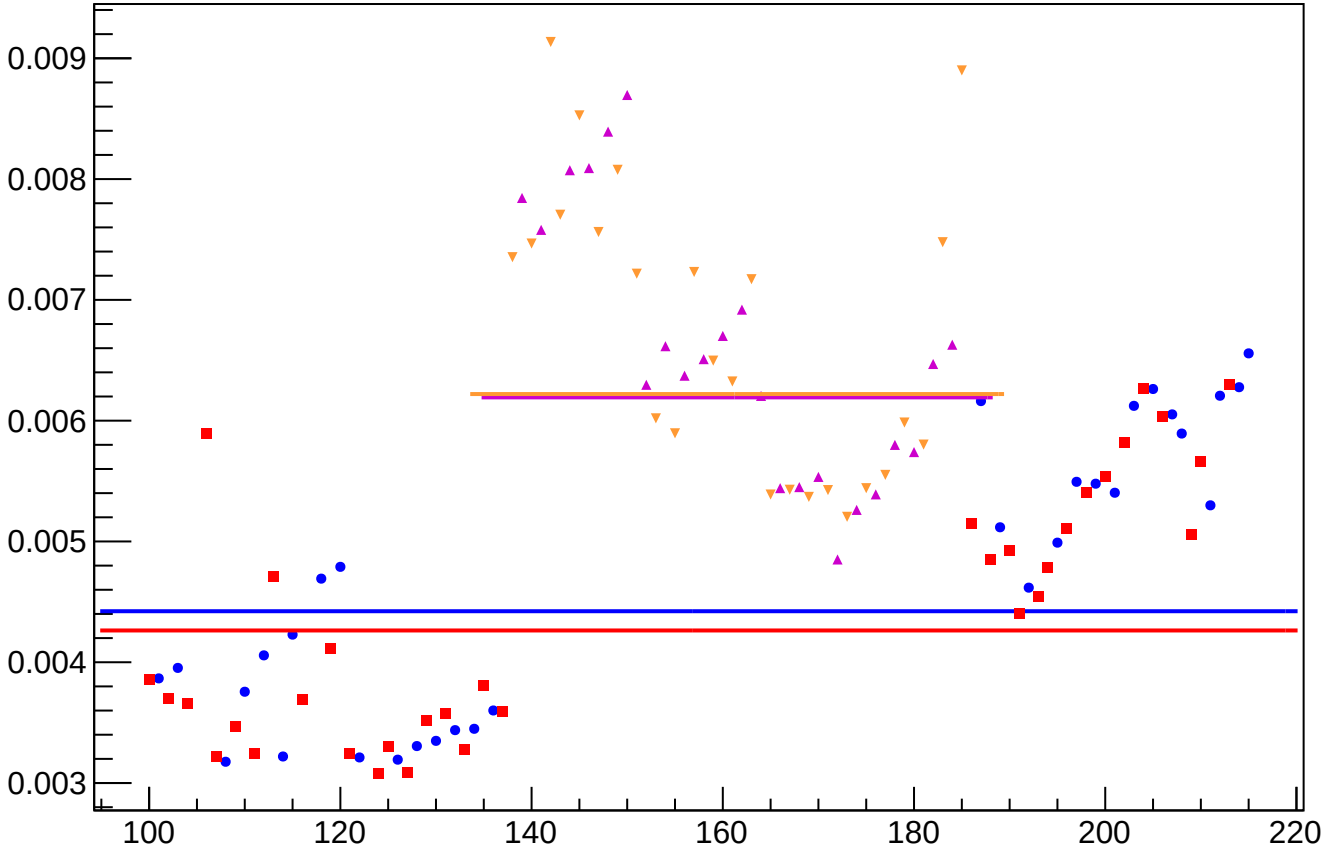
Right: 0.360+/-0.000 χ^2/NDF: 2042449899417.7/64

In: 0.305+/-0.000 χ^2/NDF:1074363412594.6/53

Out: 0.320+/-0.000 χ^2/NDF:1170829912476.2/58

All: 0.313+/-0.000 χ^2/NDF: 2245338883507.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 2160841.4/30

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1874351.0/33

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

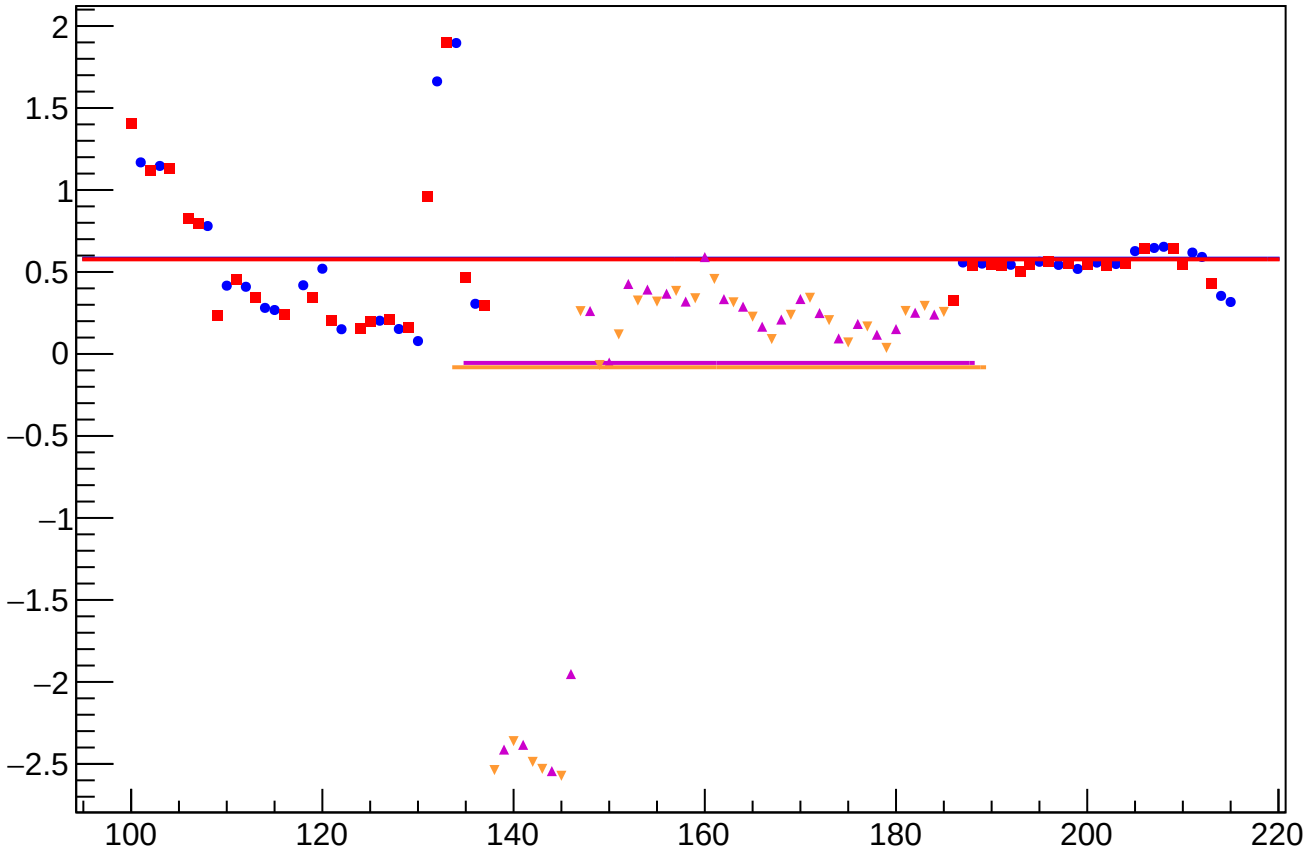
Right: 0.004+/-0.000 χ^2/NDF: 4058496.4/64

In: 0.005+/-0.000 χ^2/NDF:4743878.2/53

Out: 0.005+/-0.000 χ^2/NDF:4958246.4/58

All: 0.005+/-0.000 χ^2/NDF: 9718948.9/112

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.581+/-0.000 χ^2/NDF: 52715467152.0/30

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.577+/-0.000 χ^2/NDF: 45732504971.1/33

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

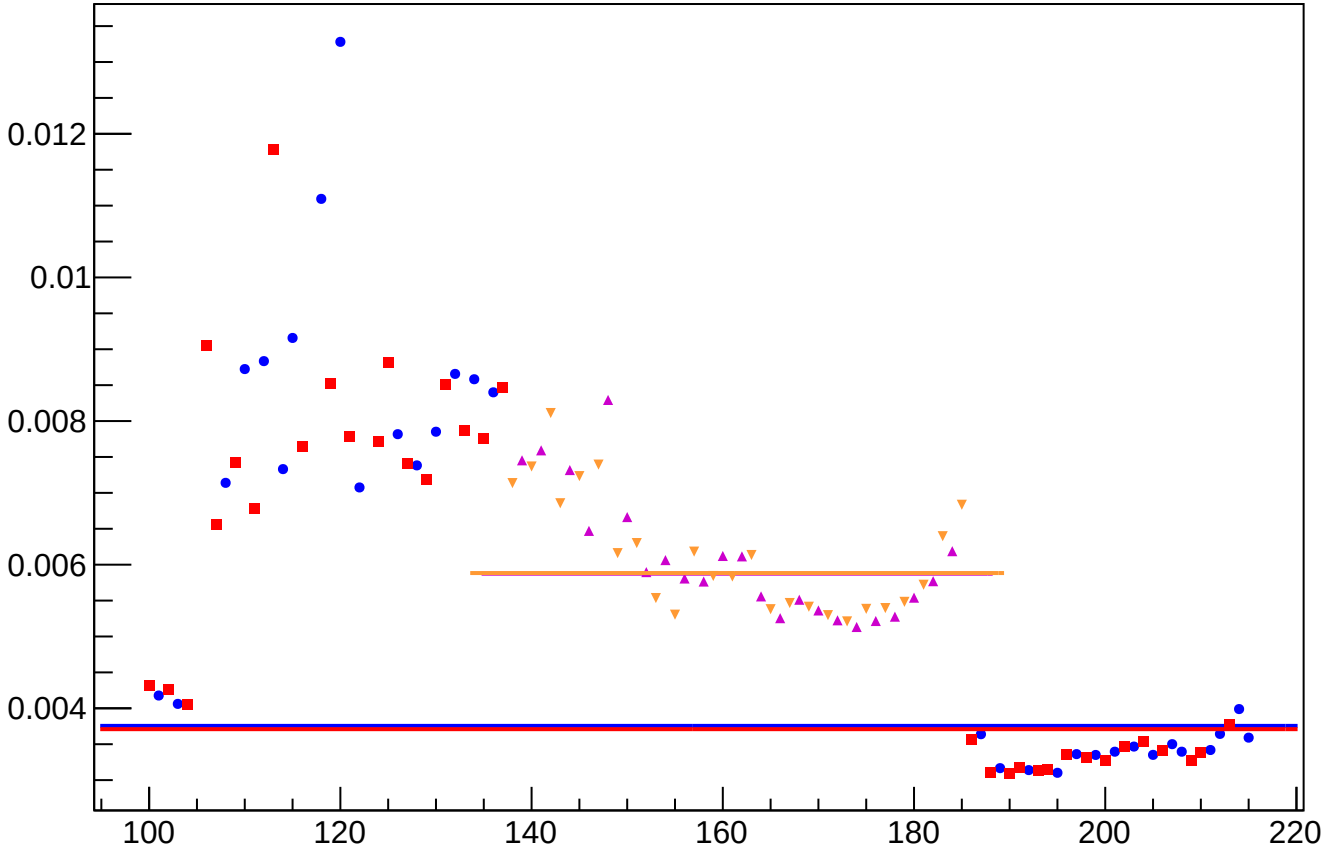
Right: 0.579+/-0.000 χ^2/NDF: 98457658493.8/64

In: 0.392+/-0.000 χ^2/NDF:537338731937.4/53

Out: 0.378+/-0.000 χ^2/NDF:587078335479.0/58

All: 0.385+/-0.000 χ^2/NDF: 1124581687429.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3495437.5/30

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3479534.6/33

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

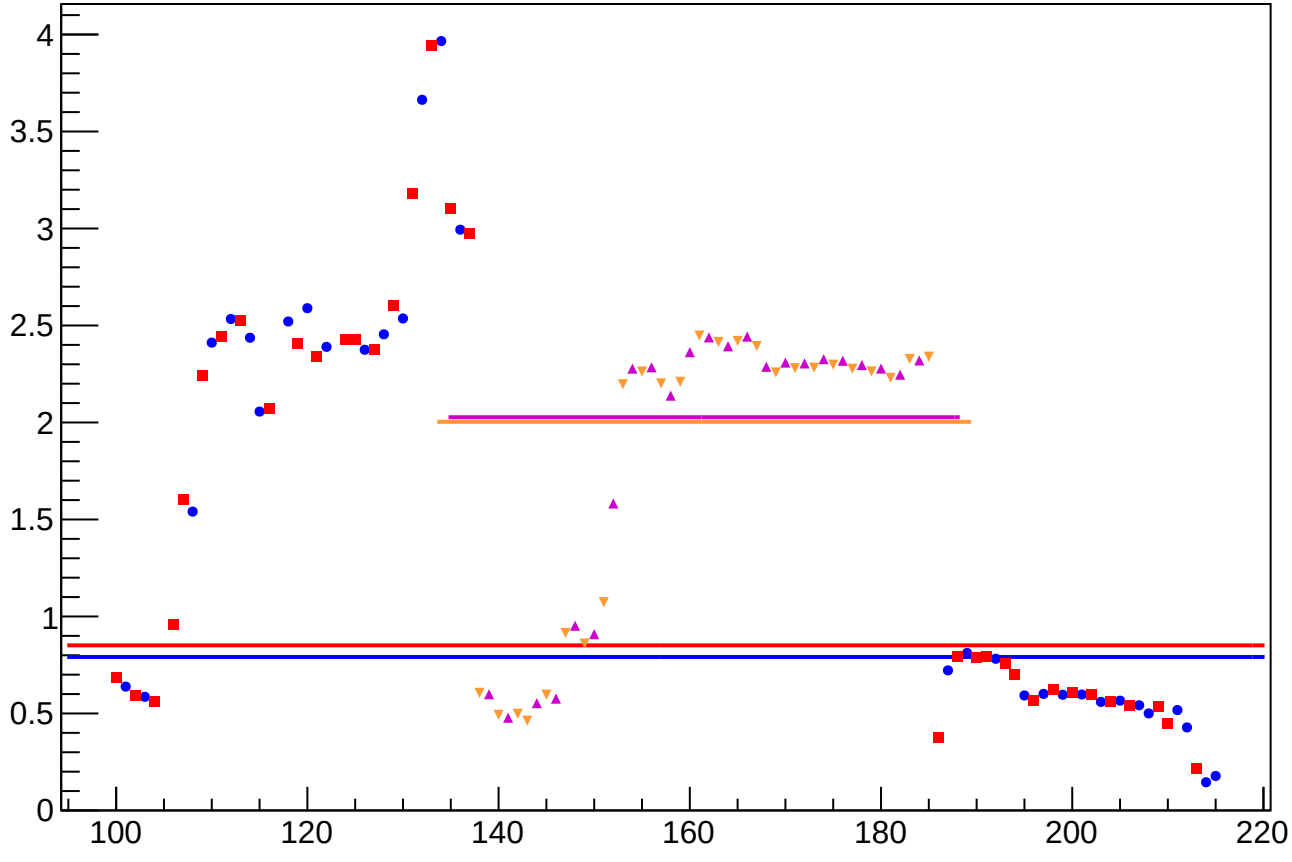
Right: 0.004+/-0.000 χ^2/NDF: 6977391.9/64

In: 0.004+/-0.000 χ^2/NDF:7075311.8/53

Out: 0.004+/-0.000 χ^2/NDF:7276008.4/58

All: 0.004+/-0.000 χ^2/NDF: 14351887.1/112

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.791+/-0.000 χ^2/NDF: 270956016586.1/30

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.851+/-0.000 χ^2/NDF: 287816524234.5/33

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

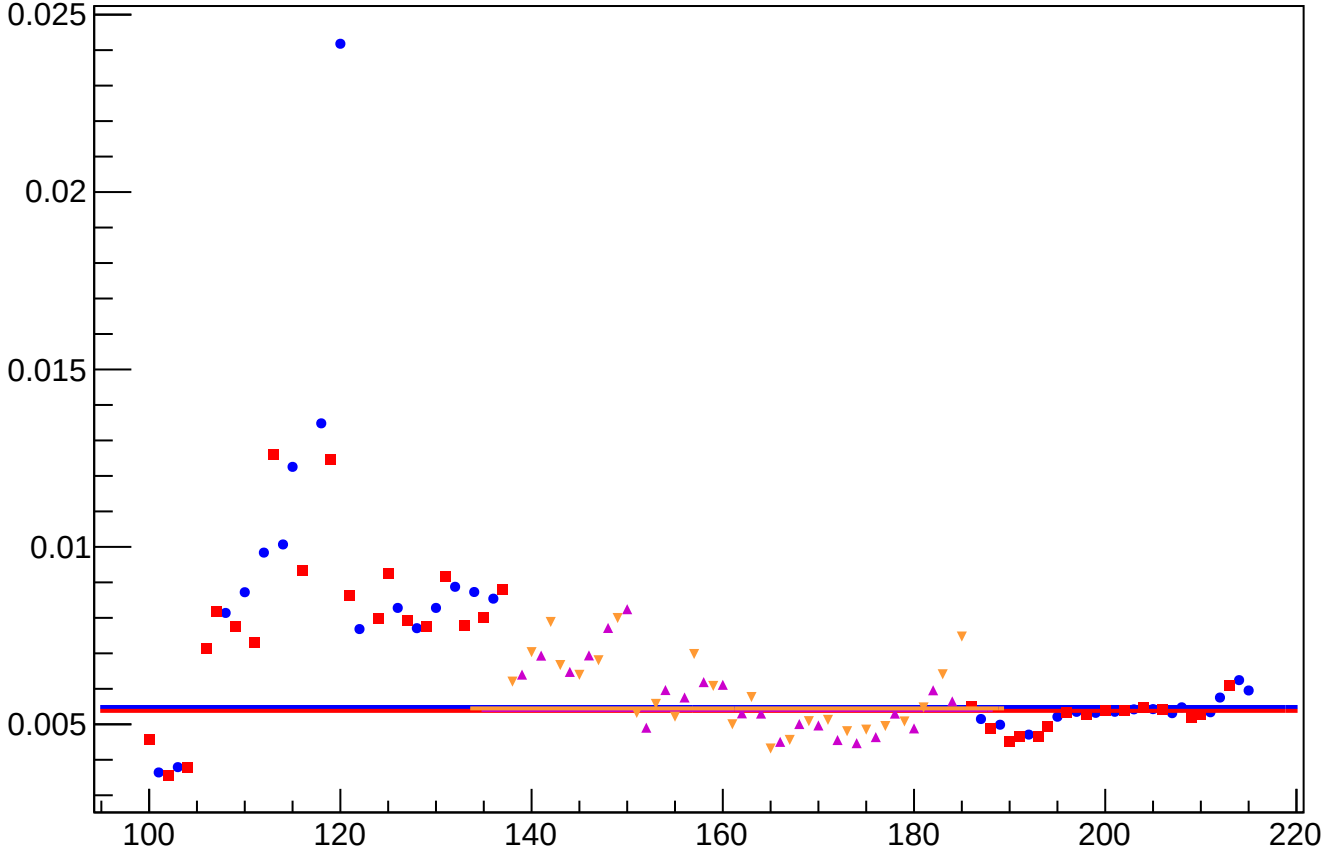
Right: 0.822+/-0.000 χ^2/NDF: 559778069586.2/64

In: 1.398+/-0.000 χ^2/NDF:878766239384.3/53

Out: 1.416+/-0.000 χ^2/NDF:880212759463.4/58

All: 1.407+/-0.000 χ^2/NDF: 1759169341539.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2353844.5/30

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2152955.1/33

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

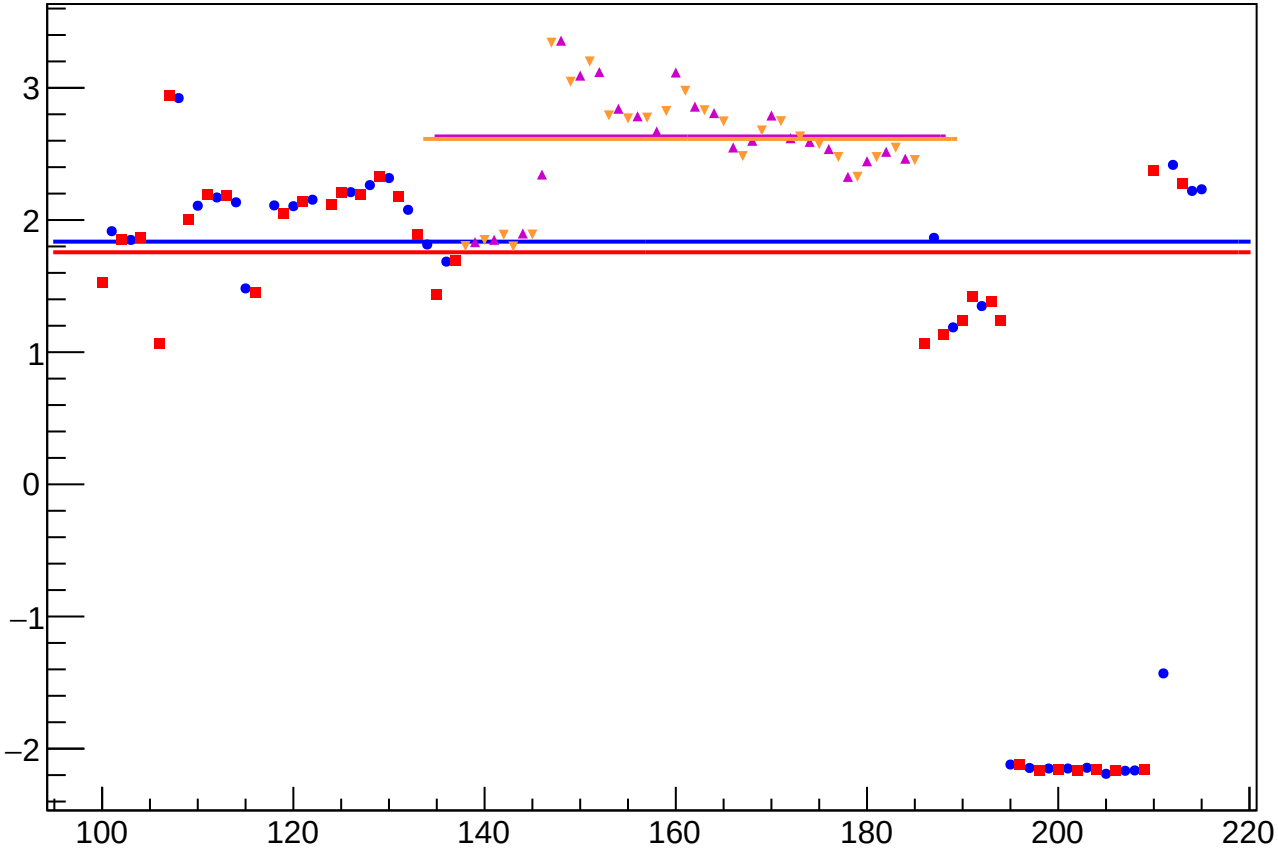
Right: 0.005+/-0.000 χ^2/NDF: 4513452.3/64

In: 0.005+/-0.000 χ^2/NDF:3172699.3/53

Out: 0.005+/-0.000 χ^2/NDF:2927125.5/58

All: 0.005+/-0.000 χ^2/NDF: 6101085.3/112

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.836+/-0.000 χ^2/NDF: 186334976339.2/30

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.756+/-0.000 χ^2/NDF: 165209790918.5/33

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

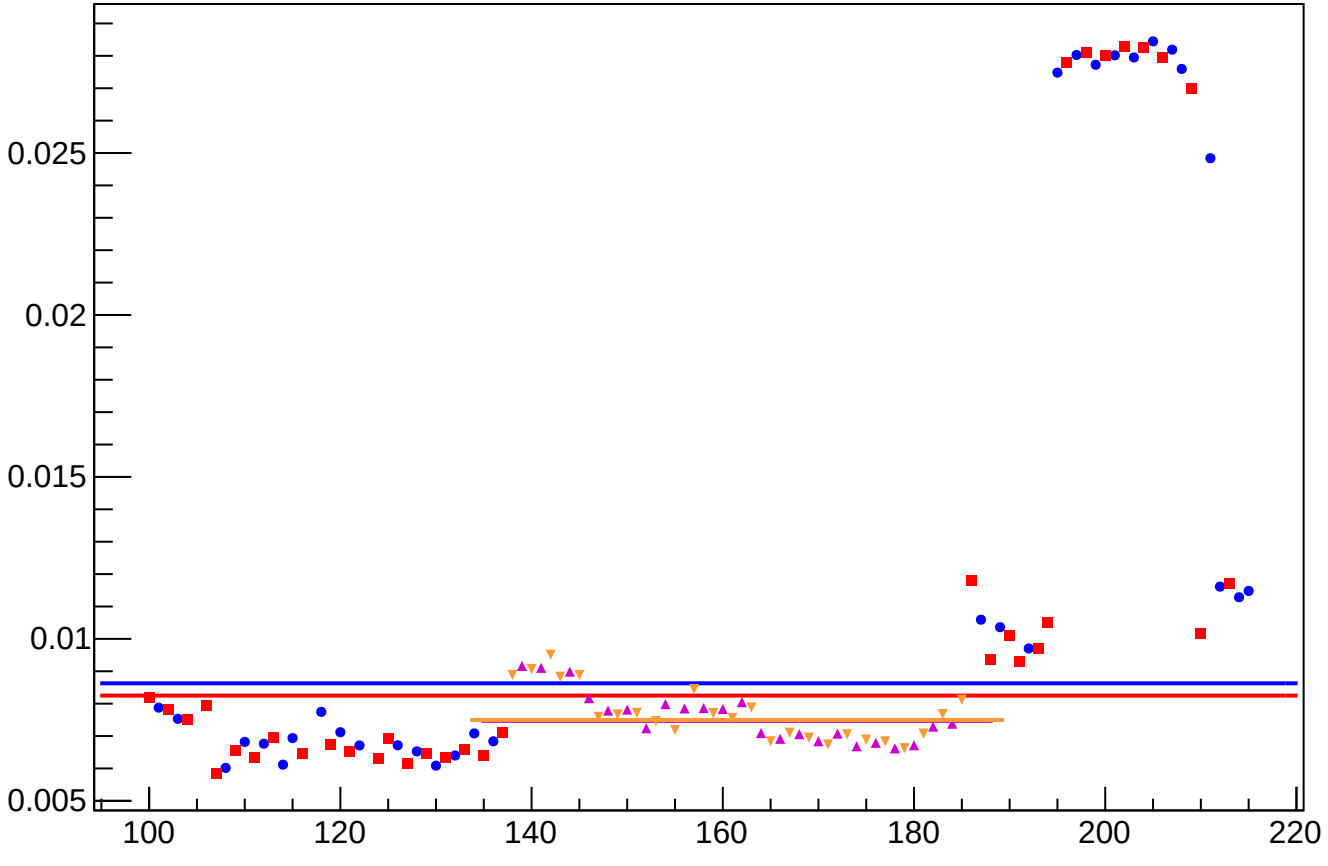
Right: 1.794+/-0.000 χ^2/NDF: 352202586601.1/64

In: 2.327+/-0.000 χ^2/NDF:302131817255.7/53

Out: 2.270+/-0.000 χ^2/NDF:306622111663.0/58

All: 2.298+/-0.000 χ^2/NDF: 609598945473.9

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8651165.9/30

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7394028.1/33

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

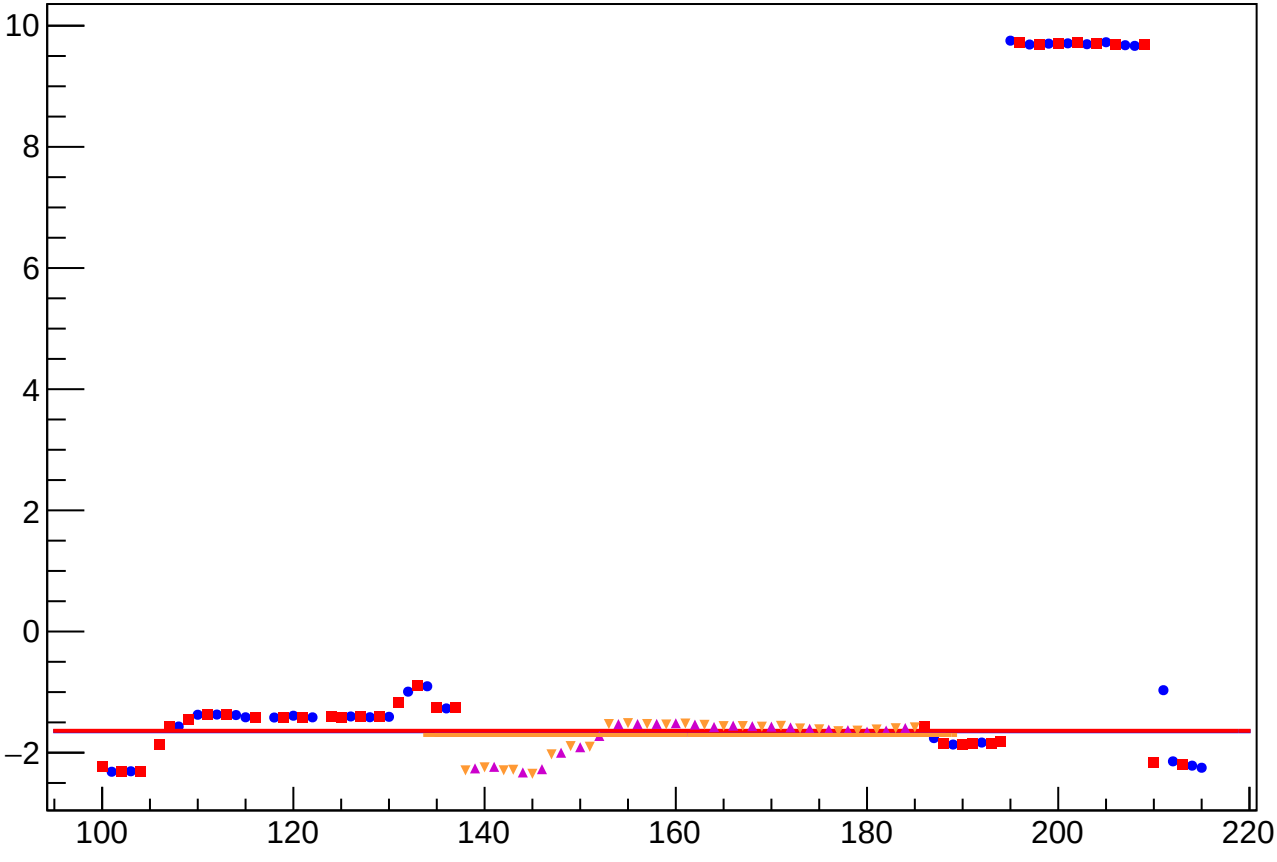
Right: 0.008+/-0.000 χ^2/NDF: 16074365.5/64

In: 0.008+/-0.000 χ^2/NDF:9293385.7/53

Out: 0.008+/-0.000 χ^2/NDF:7873873.0/58

All: 0.008+/-0.000 χ^2/NDF: 17174154.9/112

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.646+/-0.000 χ^2/NDF: 470834278714.0/30

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.639+/-0.000 χ^2/NDF: 434452289653.8/33

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

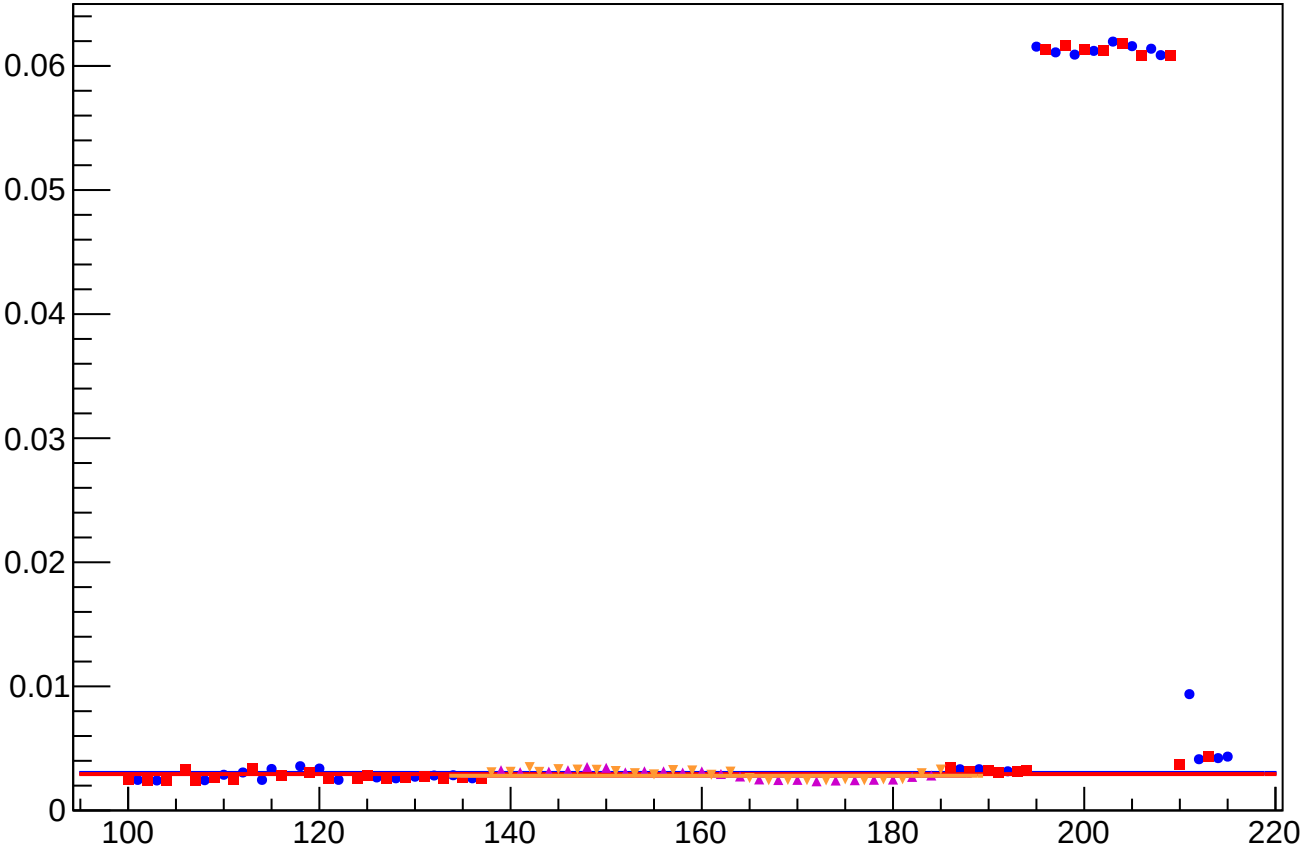
Right: -1.642+/-0.000 χ^2/NDF: 905320802533.4/64

In: -1.684+/-0.000 χ^2/NDF:610149321665.3/53

Out: -1.681+/-0.000 χ^2/NDF:590425668594.9/58

All: -1.683+/-0.000 χ^2/NDF: 1200588920689

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 13461736.5/30

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11731412.6/33

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

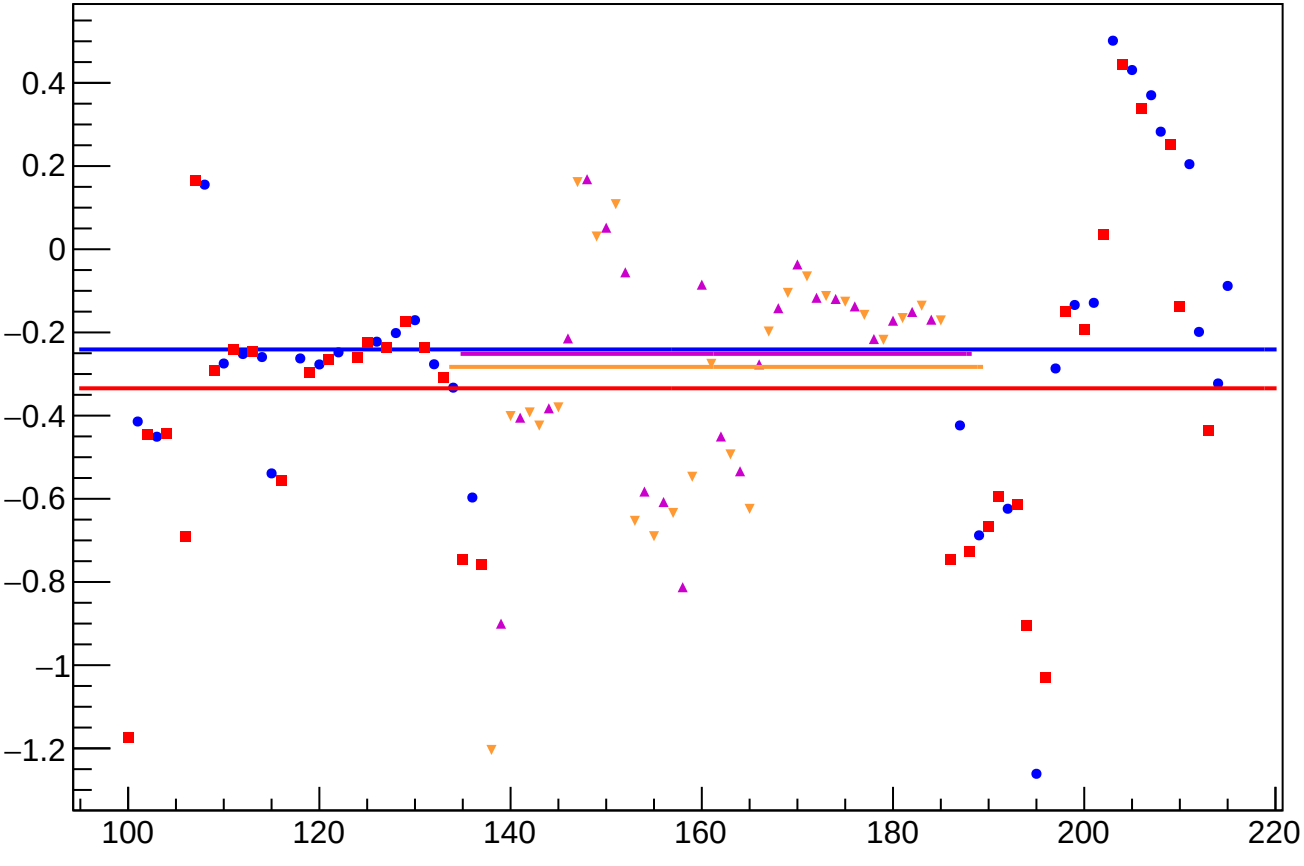
Right: 0.003+/-0.000 χ^2/NDF: 25204439.2/64

In: 0.003+/-0.000 χ^2/NDF:14109423.0/53

Out: 0.003+/-0.000 χ^2/NDF:12310912.2/58

All: 0.003+/-0.000 χ^2/NDF: 26422095.4/112

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.241+/-0.000 χ^2/NDF: 9771508093.8/30

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.334+/-0.000 χ^2/NDF: 9916412488.2/33

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

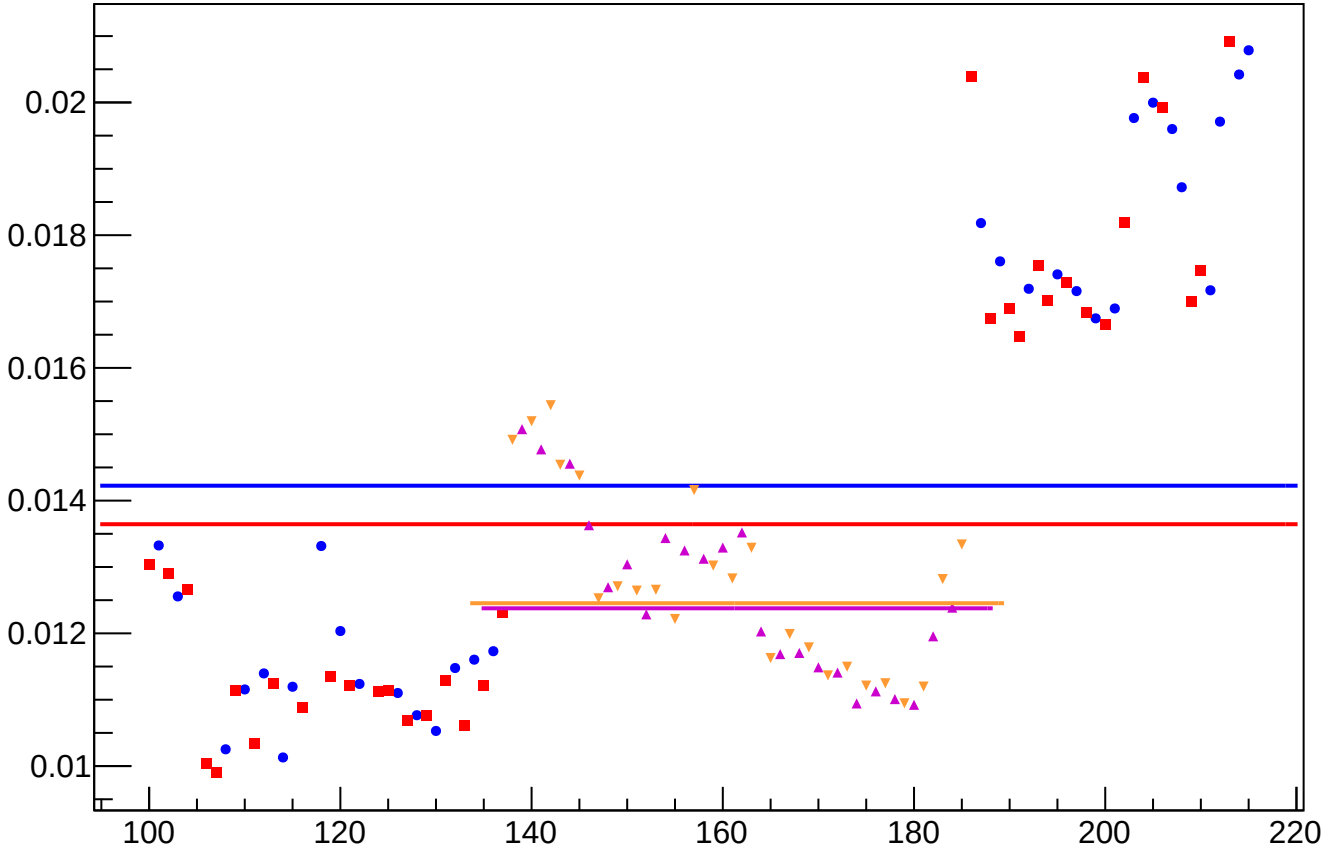
Right: -0.289+/-0.000 χ^2/NDF: 20080608426.0/64

In: -0.247+/-0.000 χ^2/NDF:16944438309.7/53

Out: -0.306+/-0.000 χ^2/NDF:19398164135.6/58

All: -0.277+/-0.000 χ^2/NDF: 36696278352.0/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 2138425.6/30

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2134243.9/33

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

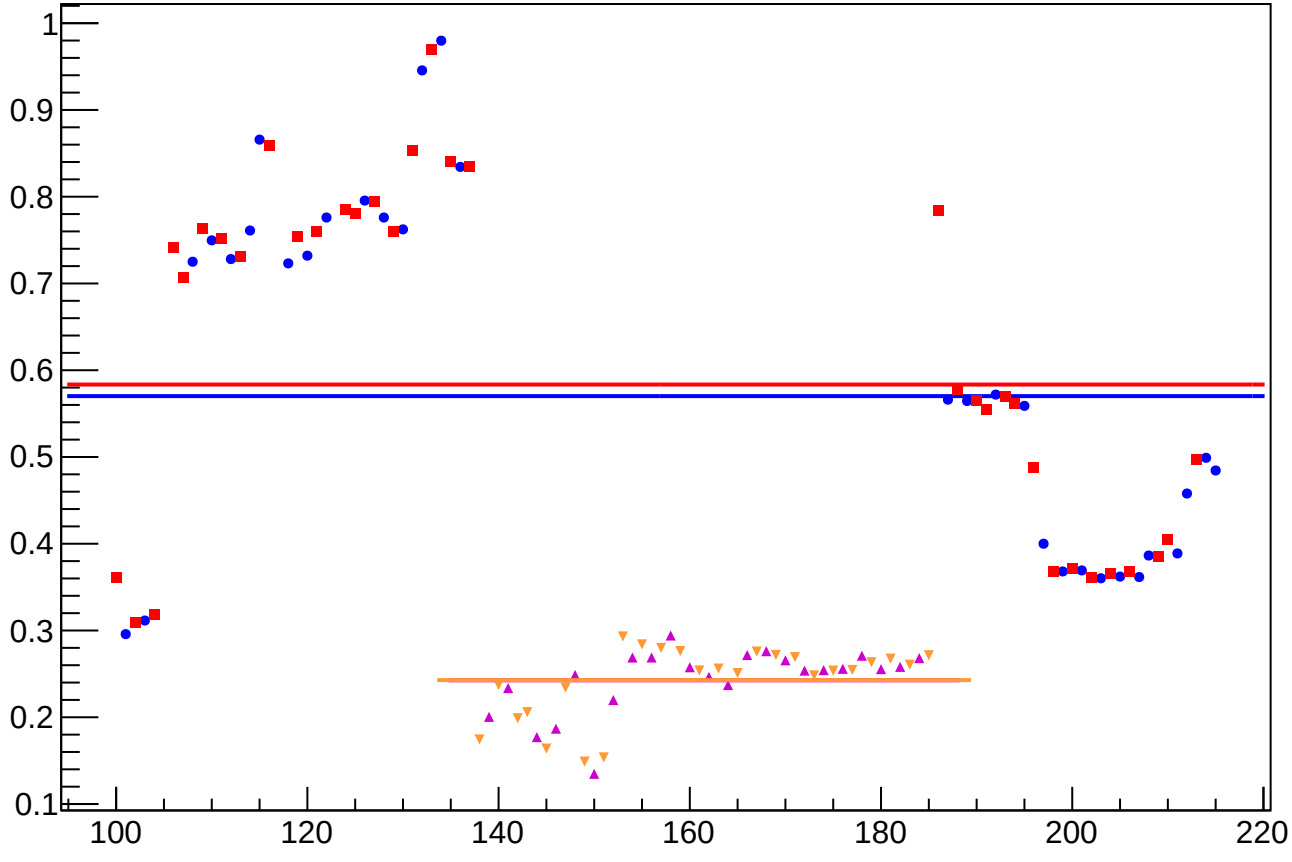
Right: 0.014+/-0.000 χ^2/NDF: 4302971.9/64

In: 0.013+/-0.000 χ^2/NDF:2800094.2/53

Out: 0.013+/-0.000 χ^2/NDF:2623313.2/58

All: 0.013+/-0.000 χ^2/NDF: 5431473.5/112

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.570+/-0.000 χ^2/NDF: 98920634084.8/30

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.584+/-0.000 χ^2/NDF: 93468474056.9/33

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

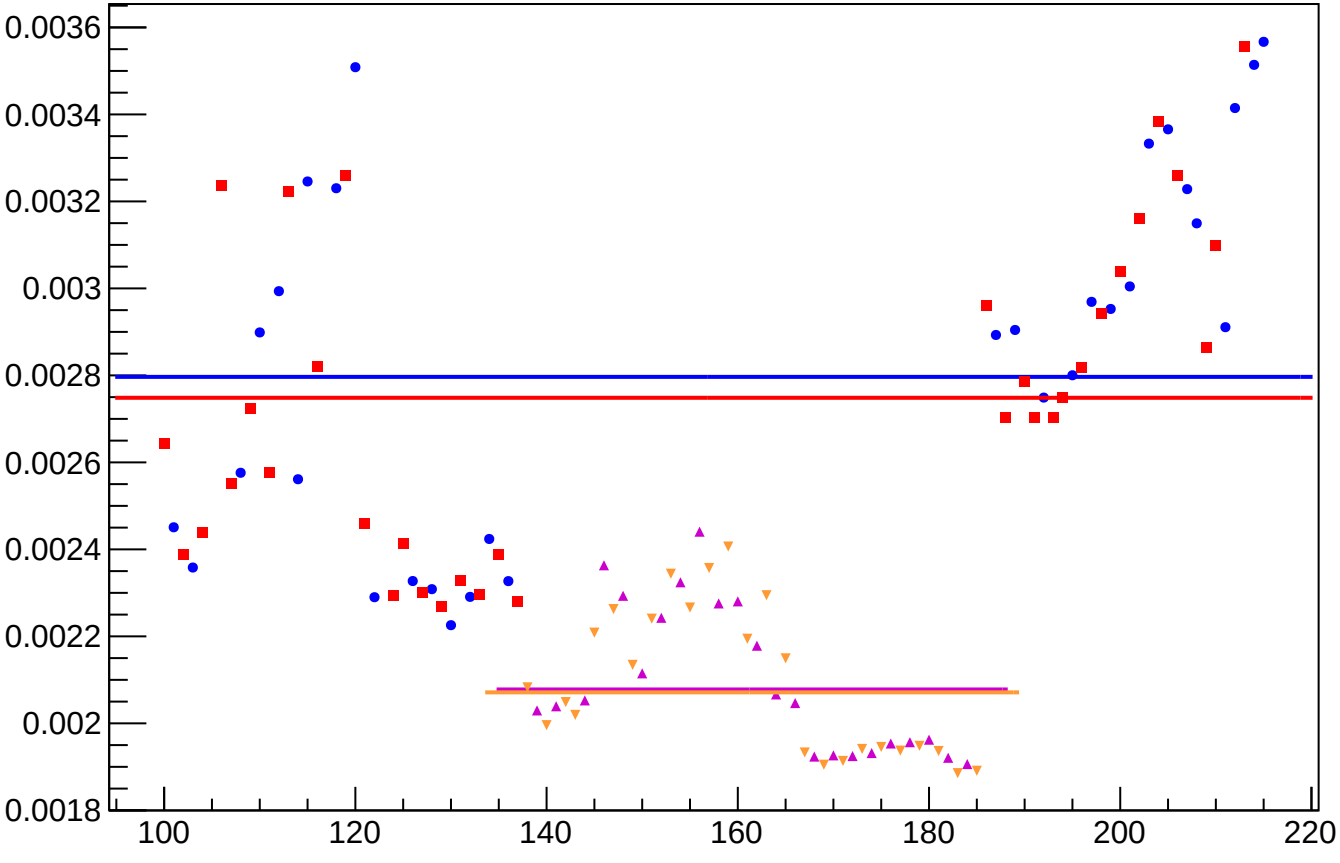
Right: 0.577+/-0.000 χ^2/NDF: 192600116335.0/64

In: 0.360+/-0.000 χ^2/NDF:265552464092.4/53

Out: 0.362+/-0.000 χ^2/NDF:281400116360.6/58

All: 0.361+/-0.000 χ^2/NDF: 546968381738.5

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 817983.5/30

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 592638.6/33

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

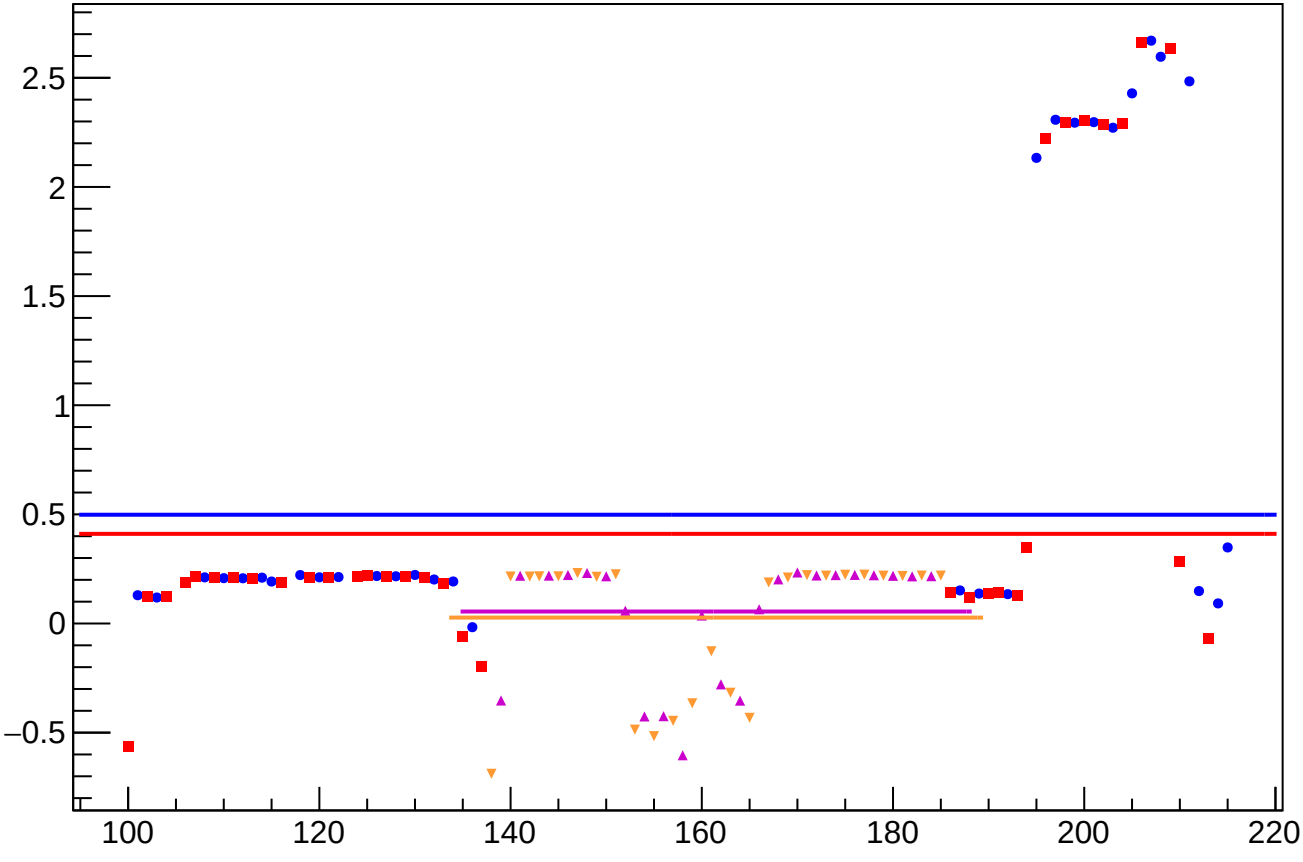
Right: 0.003+/-0.000 χ^2/NDF: 1416085.1/64

In: 0.002+/-0.000 χ^2/NDF:2578161.1/53

Out: 0.002+/-0.000 χ^2/NDF:2254062.4/58

All: 0.002+/-0.000 χ^2/NDF: 4837071.2/112

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.498+/-0.000 χ^2/NDF: 61771939667.6/30

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.411+/-0.000 χ^2/NDF: 54780353453.9/33

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

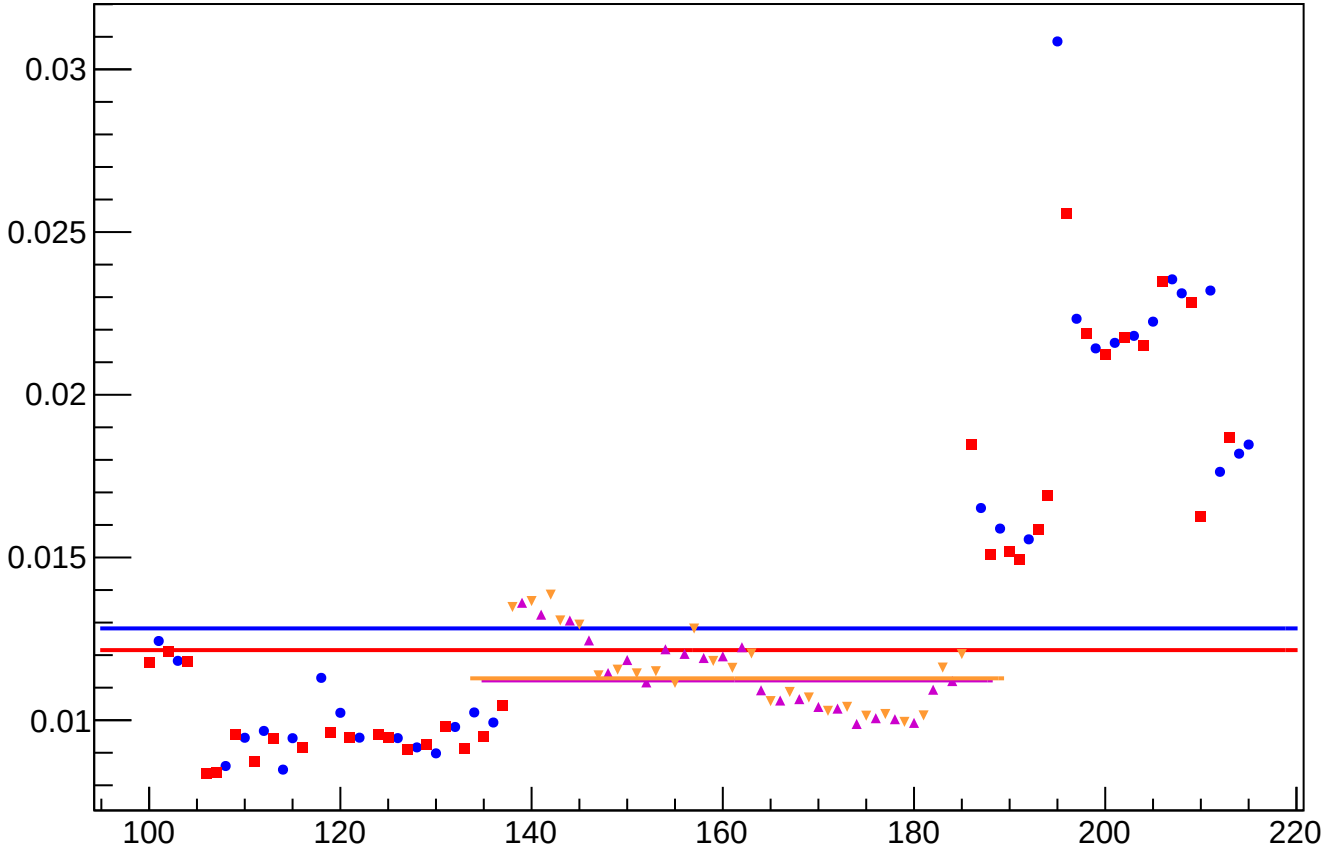
Right: 0.452+/-0.000 χ^2/NDF: 116952328533.2/64

In: 0.240+/-0.000 χ^2/NDF:82798913759.3/53

Out: 0.194+/-0.000 χ^2/NDF:76929029196.2/58

All: 0.216+/-0.000 χ^2/NDF: 159996488801.0

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 4984921.1/30

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4524696.0/33

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

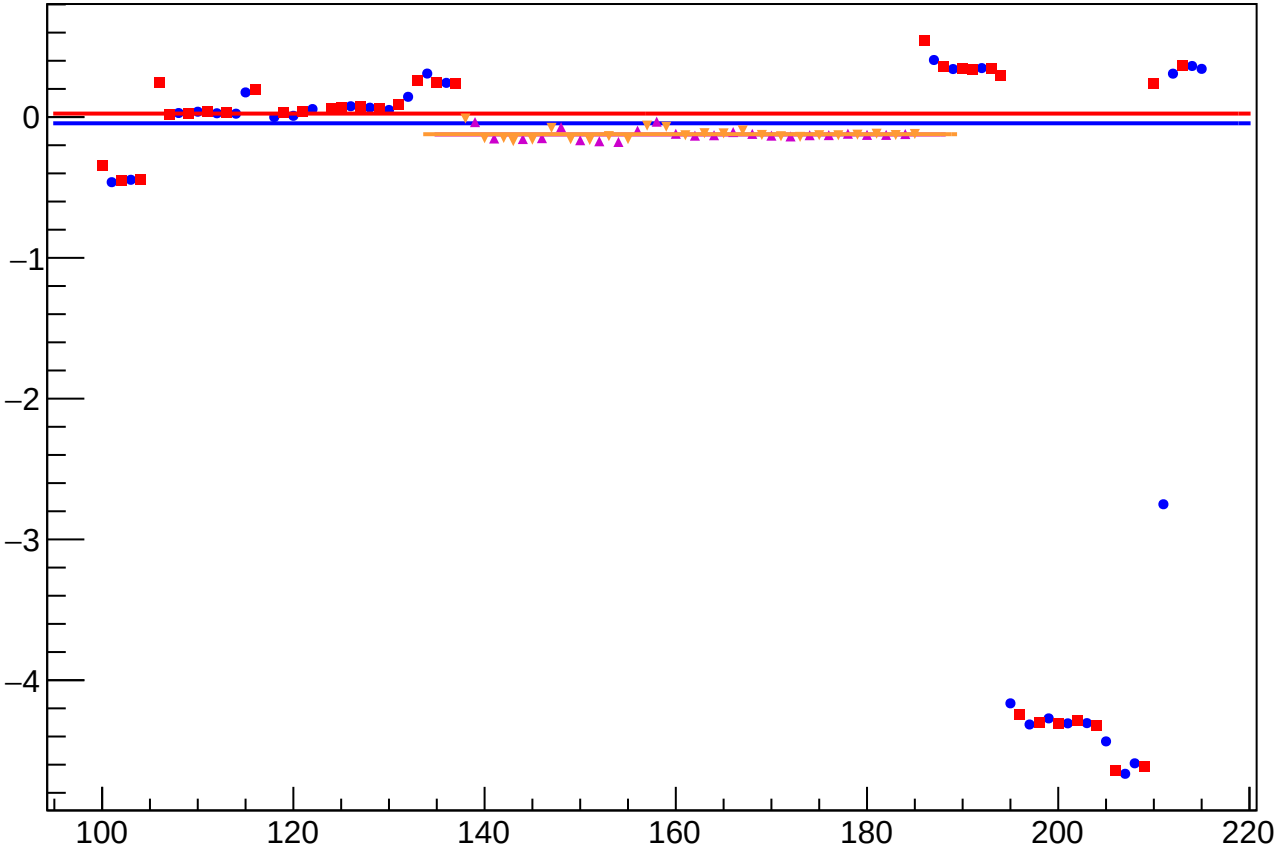
Right: 0.012+/-0.000 χ^2/NDF: 9555993.9/64

In: 0.012+/-0.000 χ^2/NDF:5594356.4/53

Out: 0.012+/-0.000 χ^2/NDF:4946729.2/58

All: 0.012+/-0.000 χ^2/NDF: 10553847.3/112

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.000 χ^2/NDF: 437289947329.2/30

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.025+/-0.000 χ^2/NDF: 398169402037.5/33

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

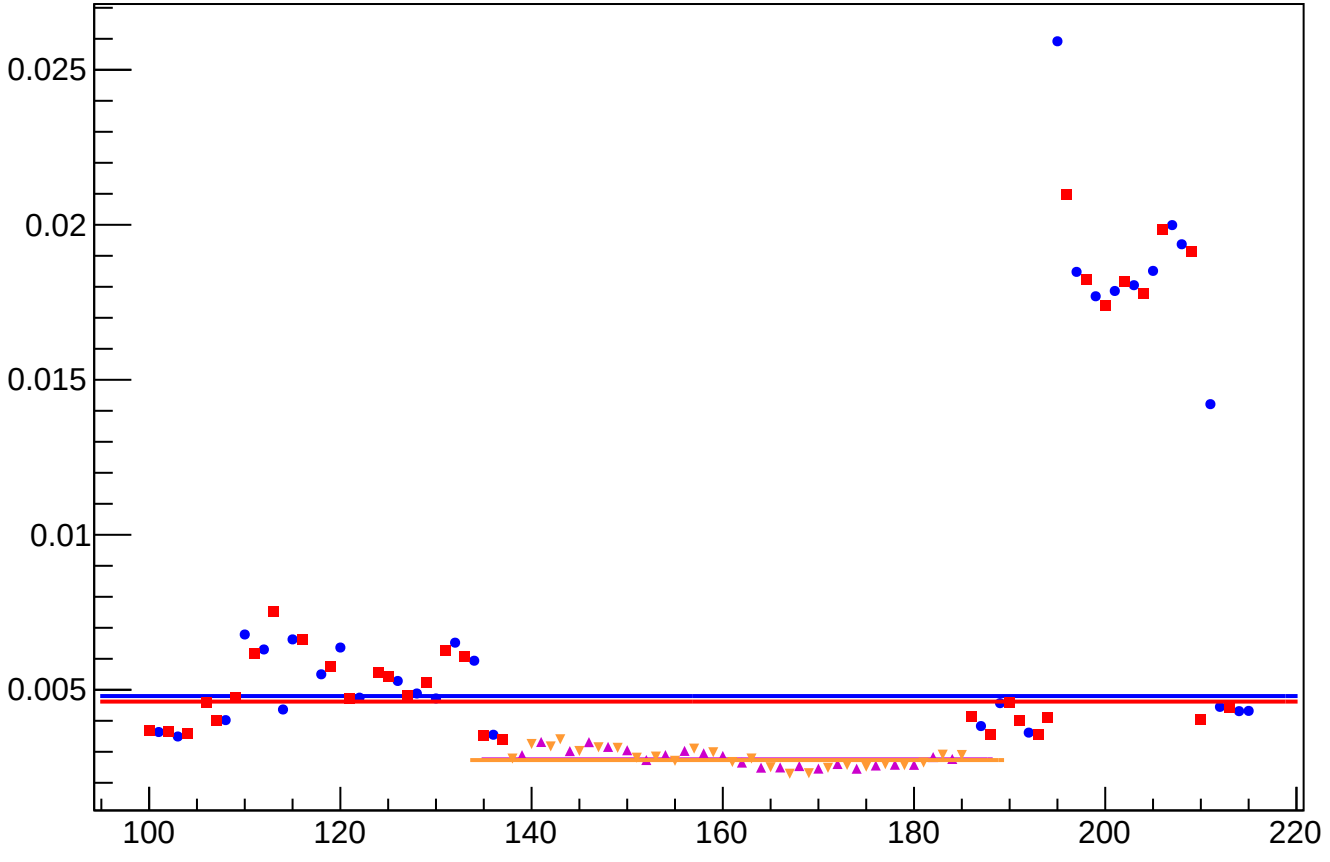
Right: -0.008+/-0.000 χ^2/NDF: 836910601326.0/64

In: -0.108+/-0.000 χ^2/NDF:443023574357.3/53

Out: -0.091+/-0.000 χ^2/NDF:412035211022.0/58

All: -0.099+/-0.000 χ^2/NDF: 855449046193.6

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 9346851.0/30

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8009279.8/33

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

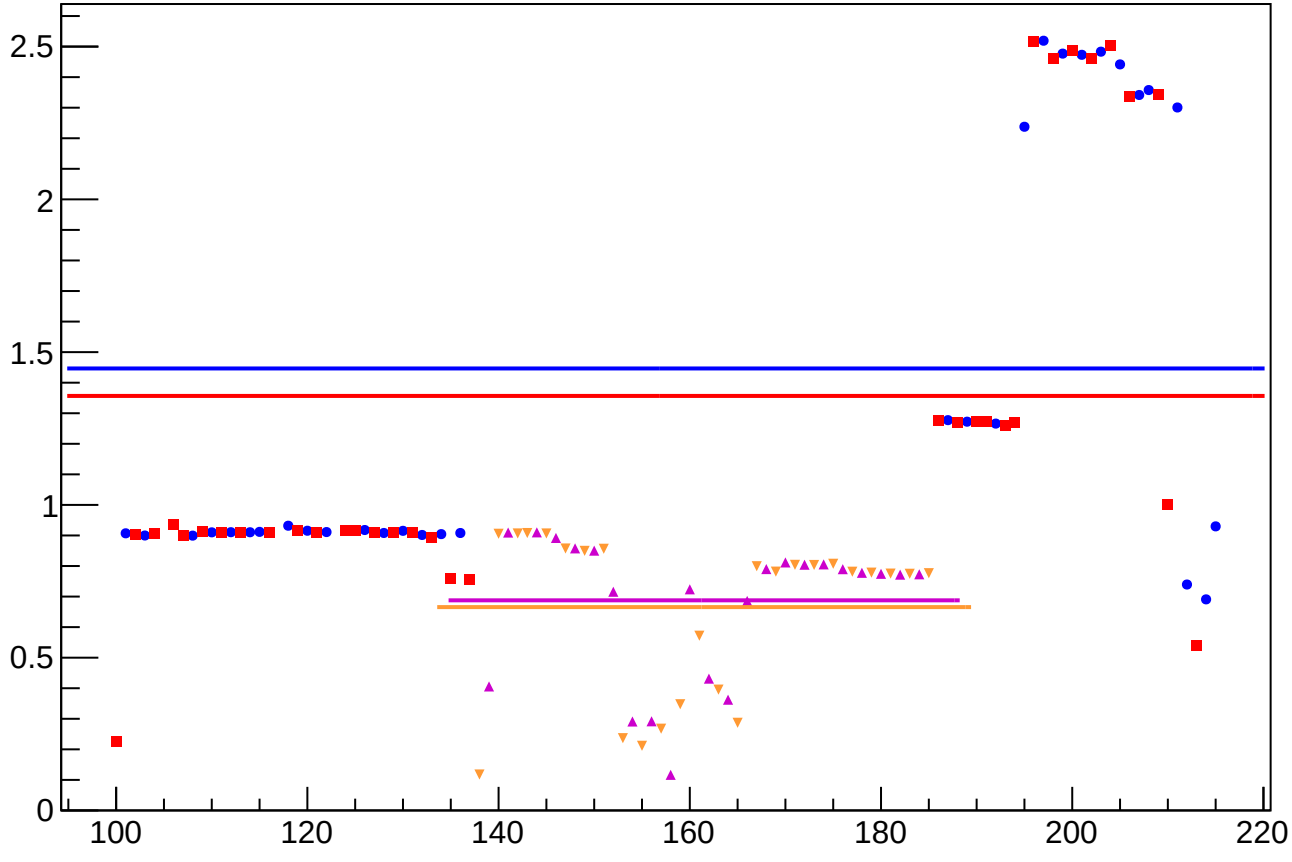
Right: 0.005+/-0.000 χ^2/NDF: 17375611.4/64

In: 0.003+/-0.000 χ^2/NDF:13502876.8/53

Out: 0.003+/-0.000 χ^2/NDF:12030397.7/58

All: 0.003+/-0.000 χ^2/NDF: 25539504.5/112

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.447+/-0.000 χ^2/NDF: 56784660401.4/30

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.357+/-0.000 χ^2/NDF: 53730592140.4/33

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

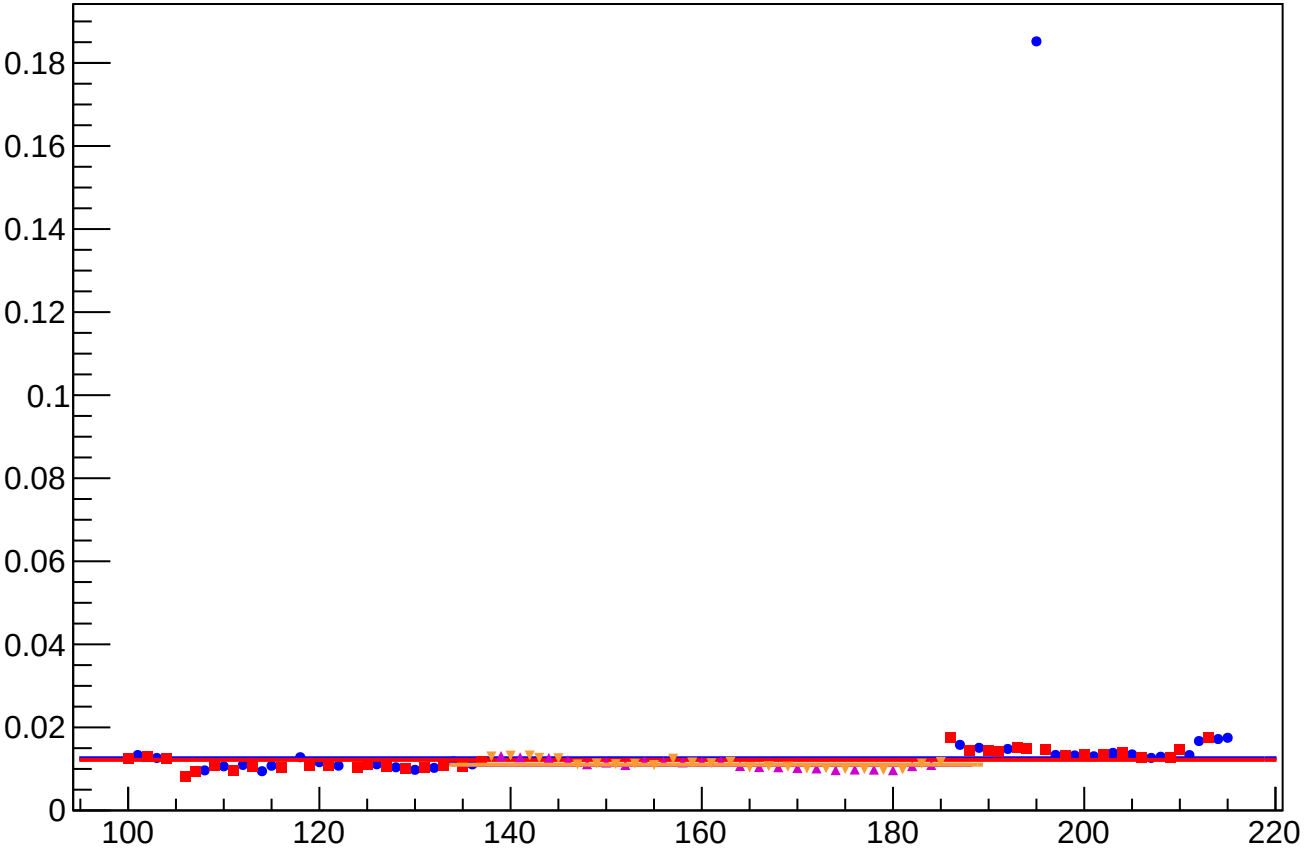
Right: 1.400+/-0.000 χ^2/NDF: 110975259941.7/64

In: 1.016+/-0.000 χ^2/NDF:99901438493.9/53

Out: 0.968+/-0.000 χ^2/NDF:94549213147.4/58

All: 0.991+/-0.000 χ^2/NDF: 194753558422.5

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2410876.3/30

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 1008287.1/33

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

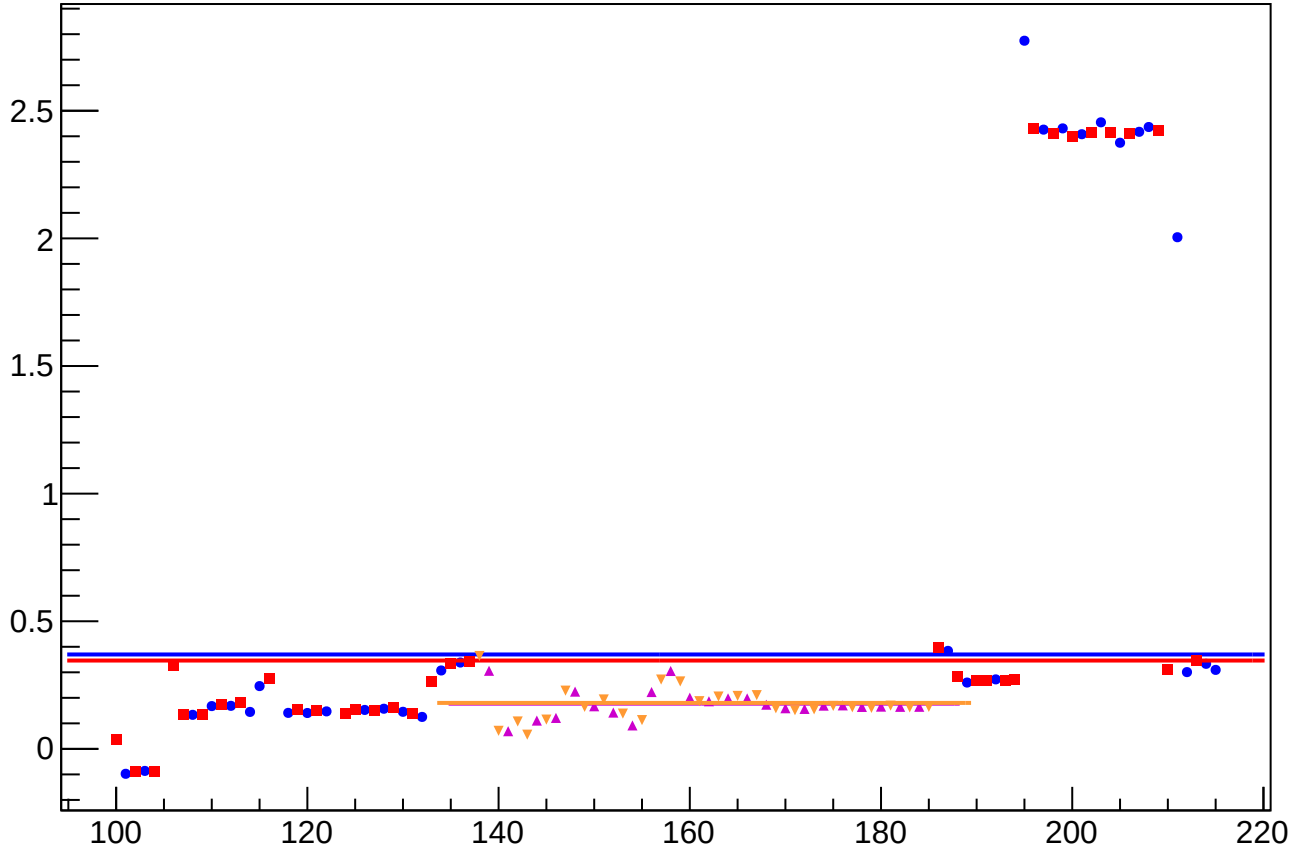
Right: 0.012+/-0.000 χ^2/NDF: 3436598.7/64

In: 0.012+/-0.000 χ^2/NDF:3020699.1/53

Out: 0.012+/-0.000 χ^2/NDF:1481974.9/58

All: 0.012+/-0.000 χ^2/NDF: 4506921.2/112

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.370+/-0.000 χ^2/NDF: 191460161606.6/30

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.346+/-0.000 χ^2/NDF: 163384267552.2/33

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

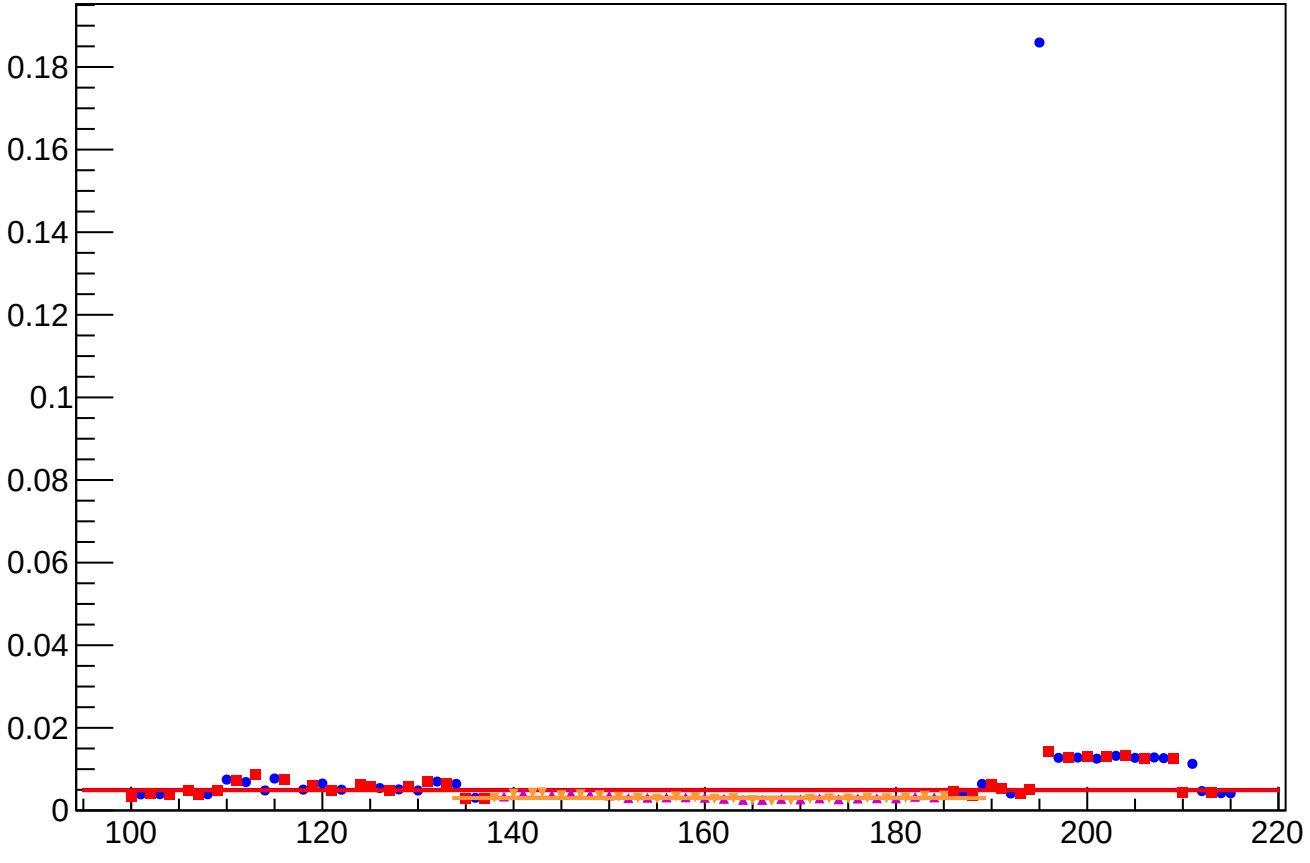
Right: 0.358+/-0.000 χ^2/NDF: 355004875699.5/64

In: 0.223+/-0.000 χ^2/NDF:211846963684.5/53

Out: 0.218+/-0.000 χ^2/NDF:182137554835.1/58

All: 0.220+/-0.000 χ^2/NDF: 394020424647.1

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7932672.8/30

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5946640.7/33

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

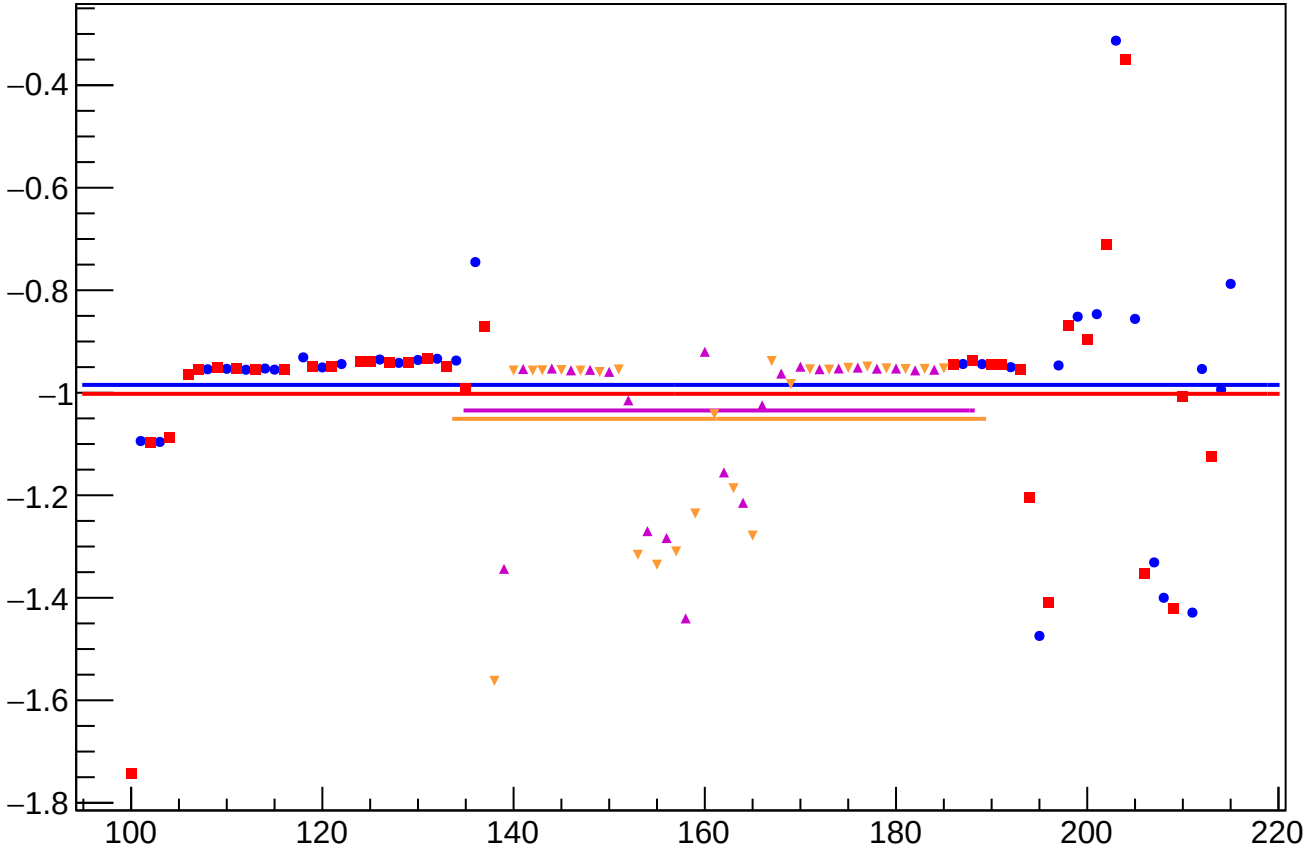
Right: 0.005+/-0.000 χ^2/NDF: 13881728.4/64

In: 0.004+/-0.000 χ^2/NDF:11564795.4/53

Out: 0.003+/-0.000 χ^2/NDF:10056625.9/58

All: 0.003+/-0.000 χ^2/NDF: 21642086.5/112

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.985+/-0.000 χ^2/NDF: 5971118179.9/30

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.002+/-0.000 χ^2/NDF: 5077507848.3/33

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

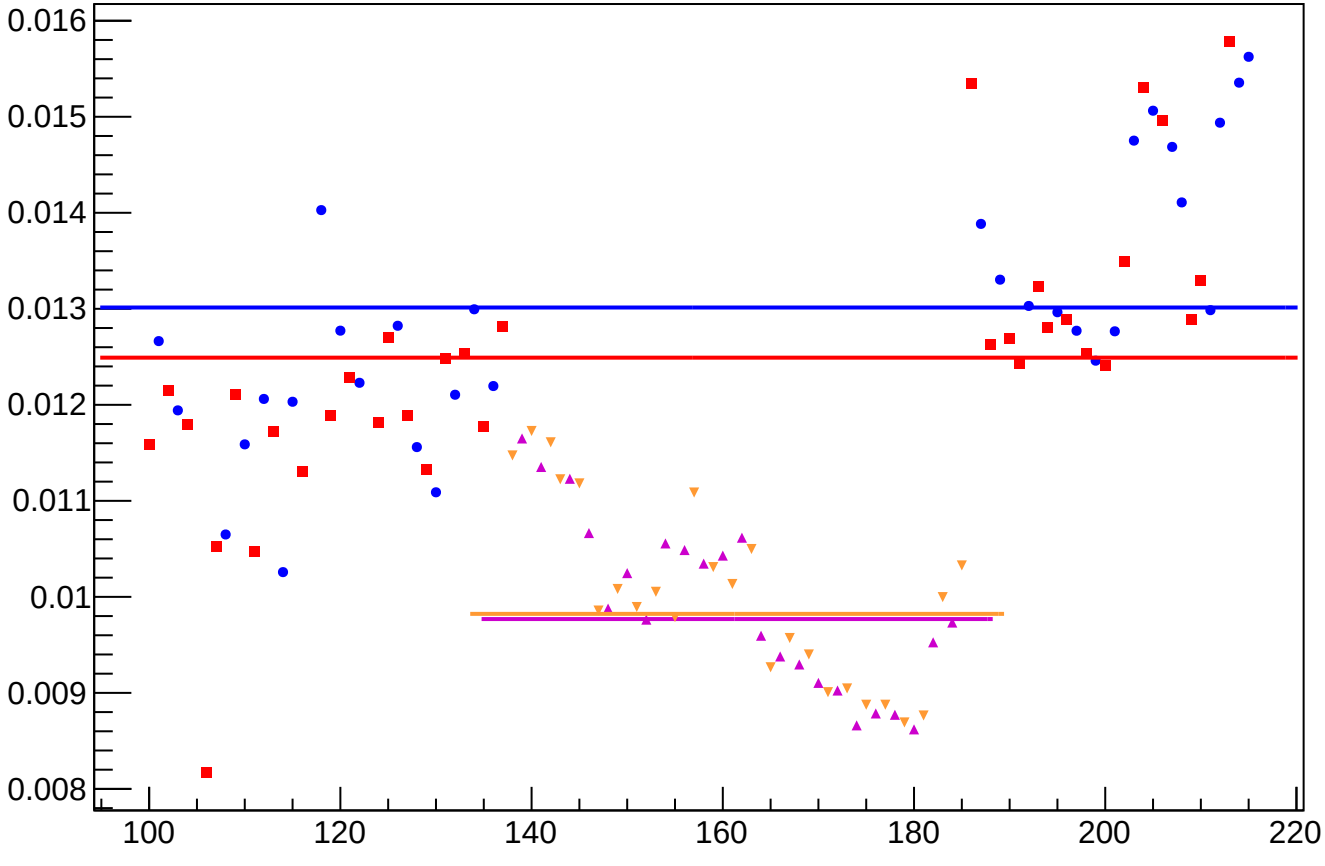
Right: -0.994+/-0.000 χ^2/NDF: 11065733586.7/64

In: -1.016+/-0.000 χ^2/NDF:10066747492.9/53

Out: -1.032+/-0.000 χ^2/NDF:10332077279.0/58

All: -1.024+/-0.000 χ^2/NDF: 20439188734.9/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 358897.9/30

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 490353.0/33

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

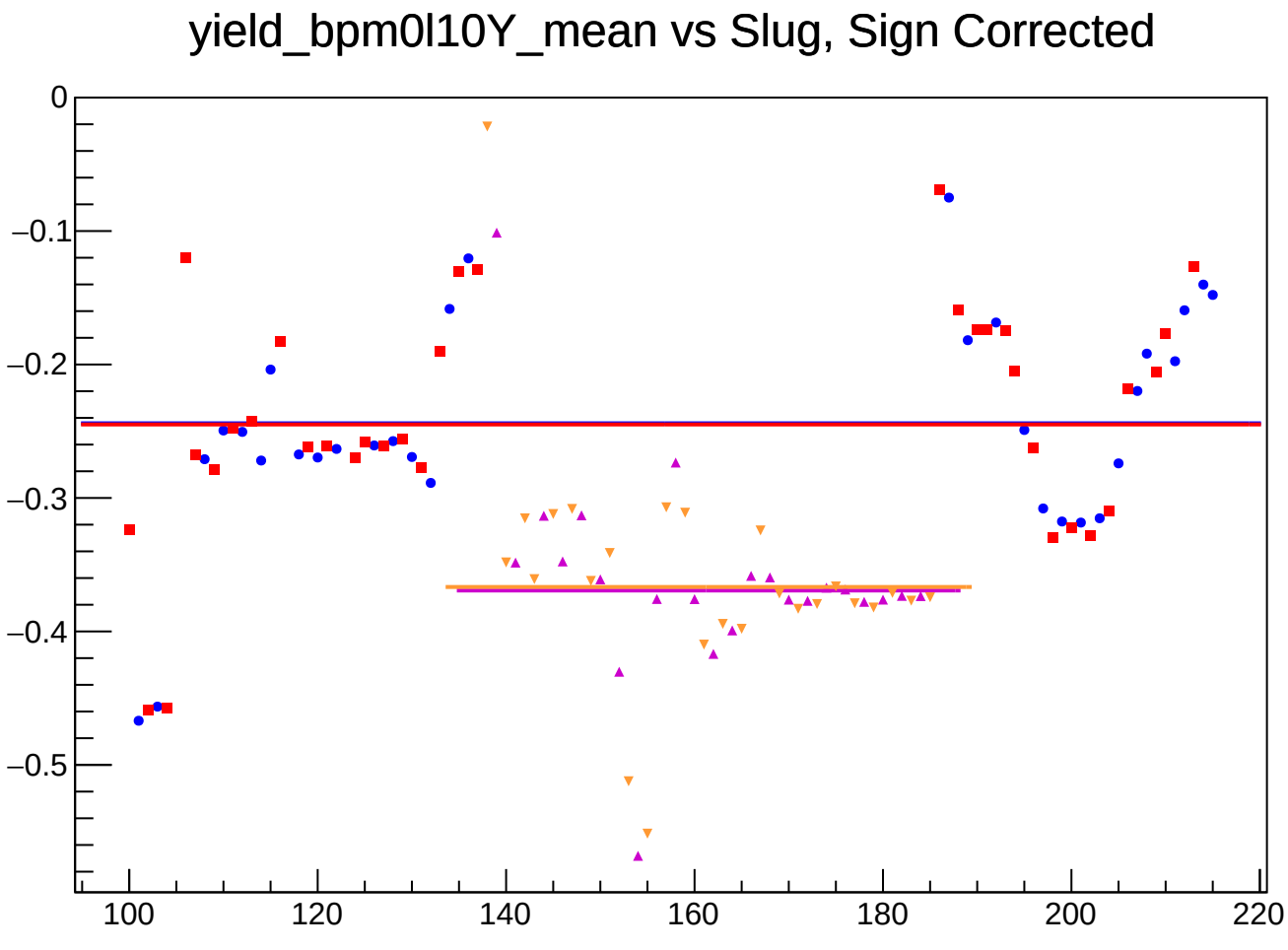
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.013+/-0.000 χ^2/NDF: 879929.6/64

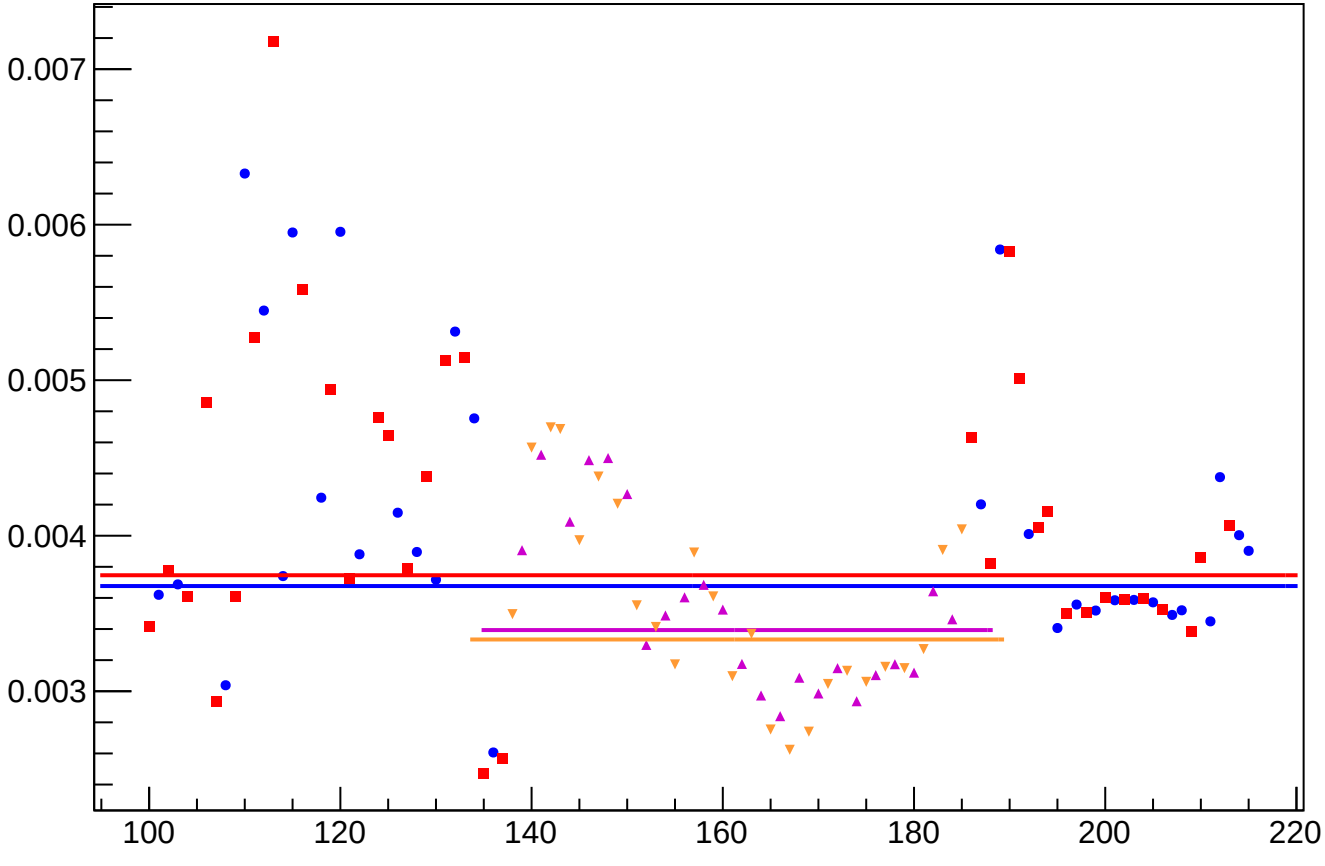
In: 0.011+/-0.000 χ^2/NDF:2077840.2/53

Out: 0.011+/-0.000 χ^2/NDF:1816845.8/58

All: 0.011+/-0.000 χ^2/NDF: 3900684.8/112


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
120
140
160
180
200
220
Right In: -0.244+/-0.000 χ²/NDF: 10070520664.2/30
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.245+/-0.000 χ²/NDF: 9551137922.5/33
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.244+/-0.000 χ²/NDF: 19622122123.4/64
In: -0.310+/-0.000 χ²/NDF:28285884244.6/53
Out: -0.314+/-0.000 χ²/NDF:31669625784.6/58
All: -0.312+/-0.000 χ²/NDF: 59971559519.2/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 976176.3/30

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1122334.5/33

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

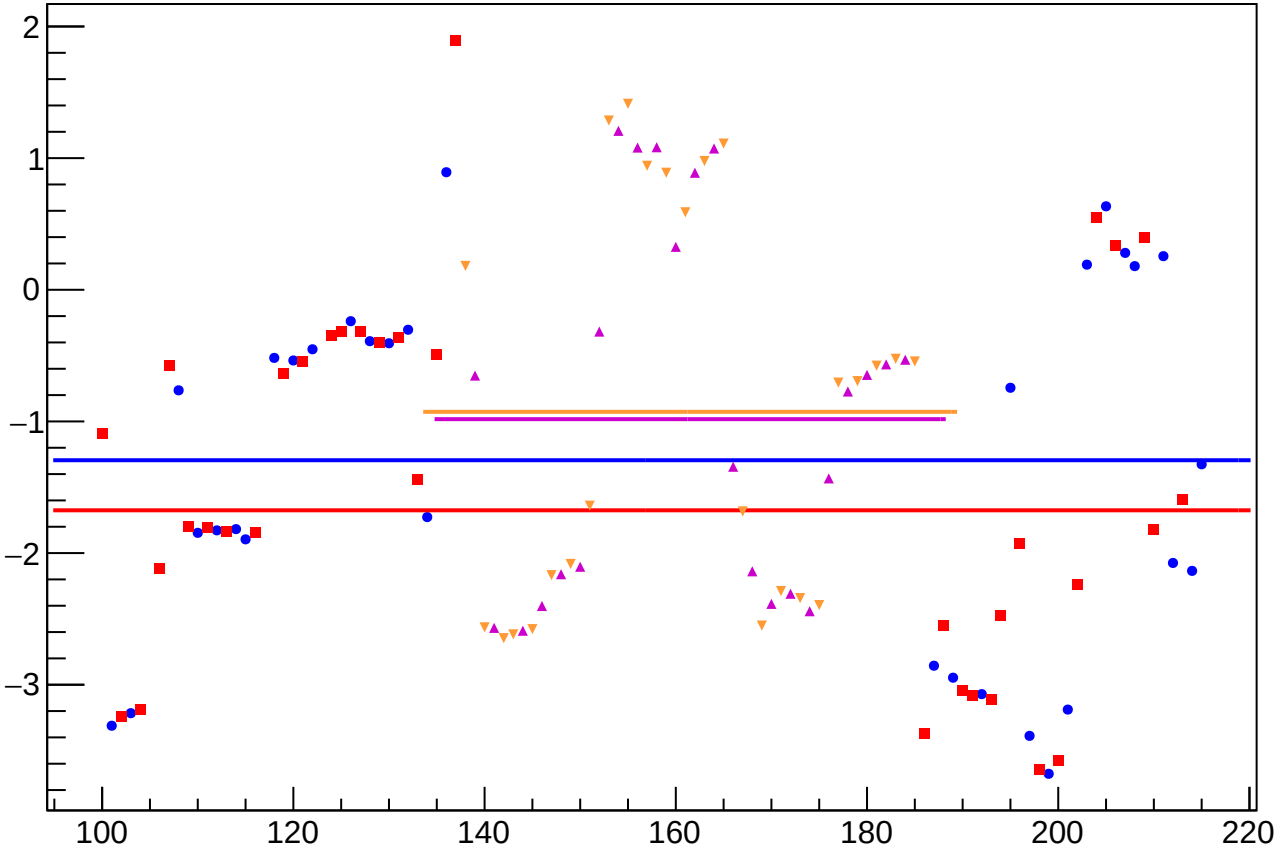
Right: 0.004+/-0.000 χ^2/NDF: 2104520.7/64

In: 0.004+/-0.000 χ^2/NDF:1718371.4/53

Out: 0.004+/-0.000 χ^2/NDF:2214156.8/58

All: 0.004+/-0.000 χ^2/NDF: 3933092.6/112

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.295+/-0.000 χ^2/NDF: 7084168306.8/30

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.675+/-0.000 χ^2/NDF: 5991130262.1/33

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

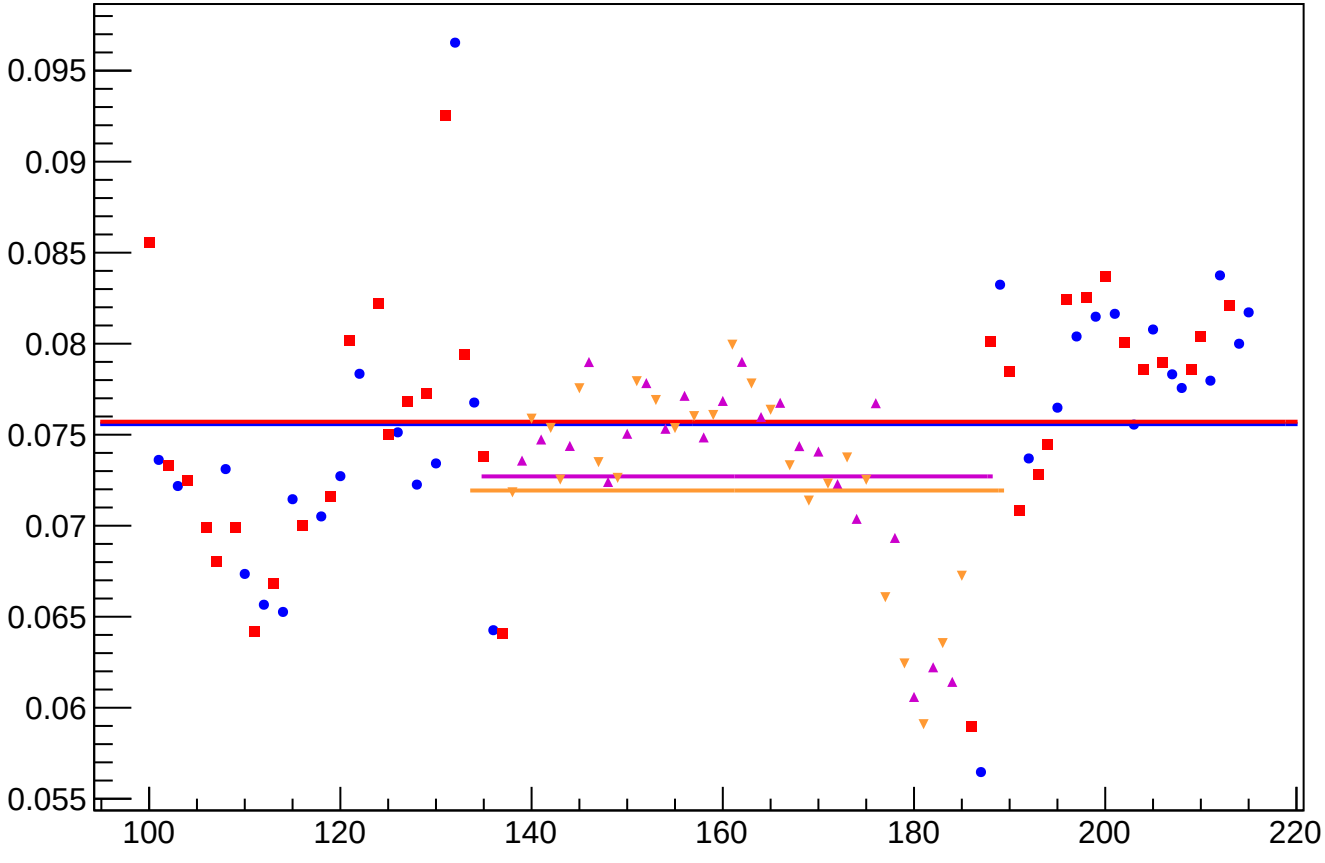
Right: -1.484+/-0.000 χ^2/NDF: 13312333506.0/64

In: -1.137+/-0.000 χ^2/NDF:13165833038.0/53

Out: -1.279+/-0.000 χ^2/NDF:14204682177.2/58

All: -1.209+/-0.000 χ^2/NDF: 27439205453.1/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.076+/-0.000 χ^2/NDF: 263033.8/30

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.076+/-0.000 χ^2/NDF: 264830.9/33

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

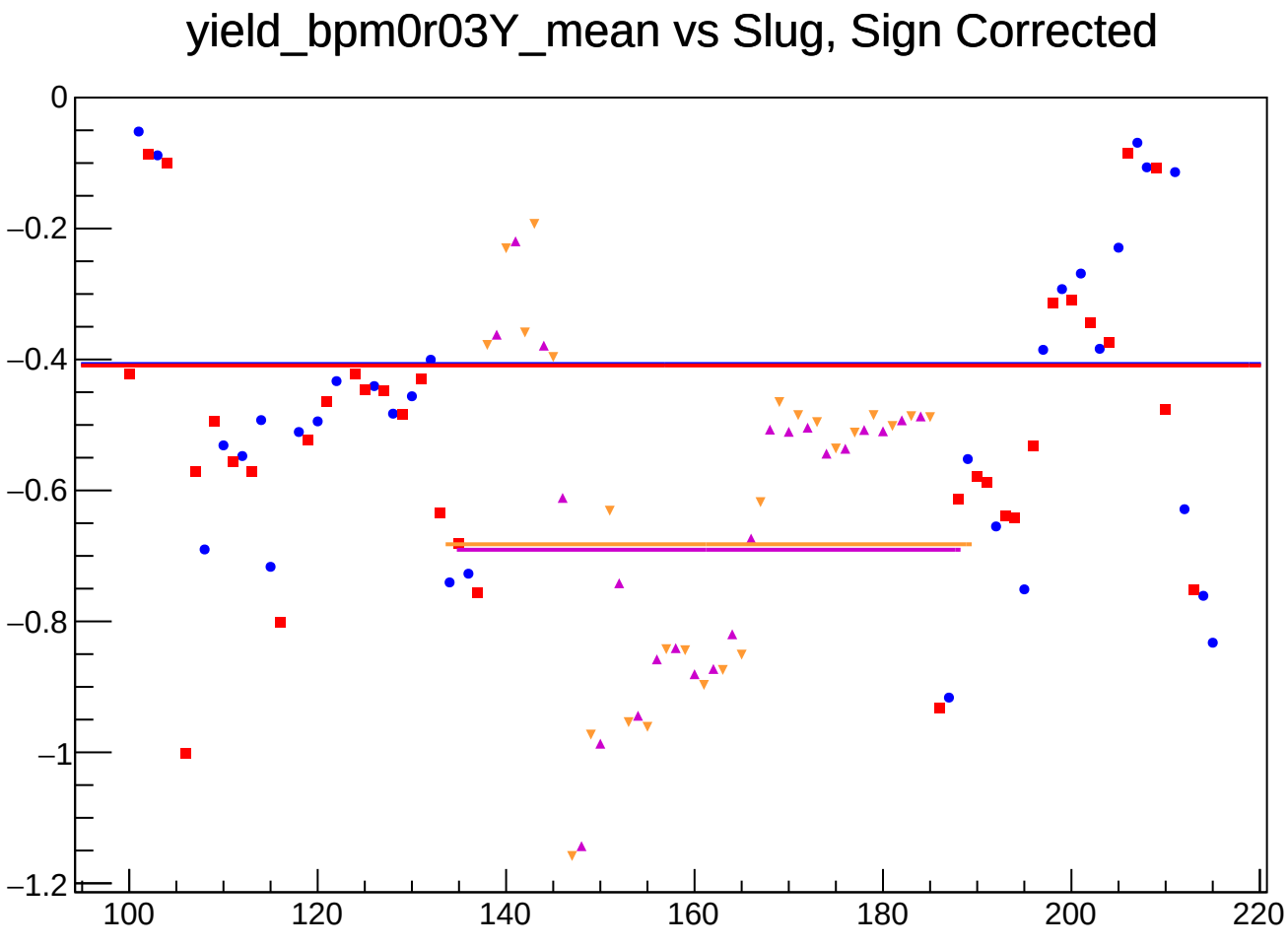
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.076+/-0.000 χ^2/NDF: 527923.1/64

In: 0.074+/-0.000 χ^2/NDF:487584.7/53

Out: 0.074+/-0.000 χ^2/NDF:549594.1/58

All: 0.074+/-0.000 χ^2/NDF: 1038344.5/112



Right In: -0.407+/-0.000 χ^2/NDF: 19244743897.5/30

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.409+/-0.000 χ^2/NDF: 12567375318.8/33

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

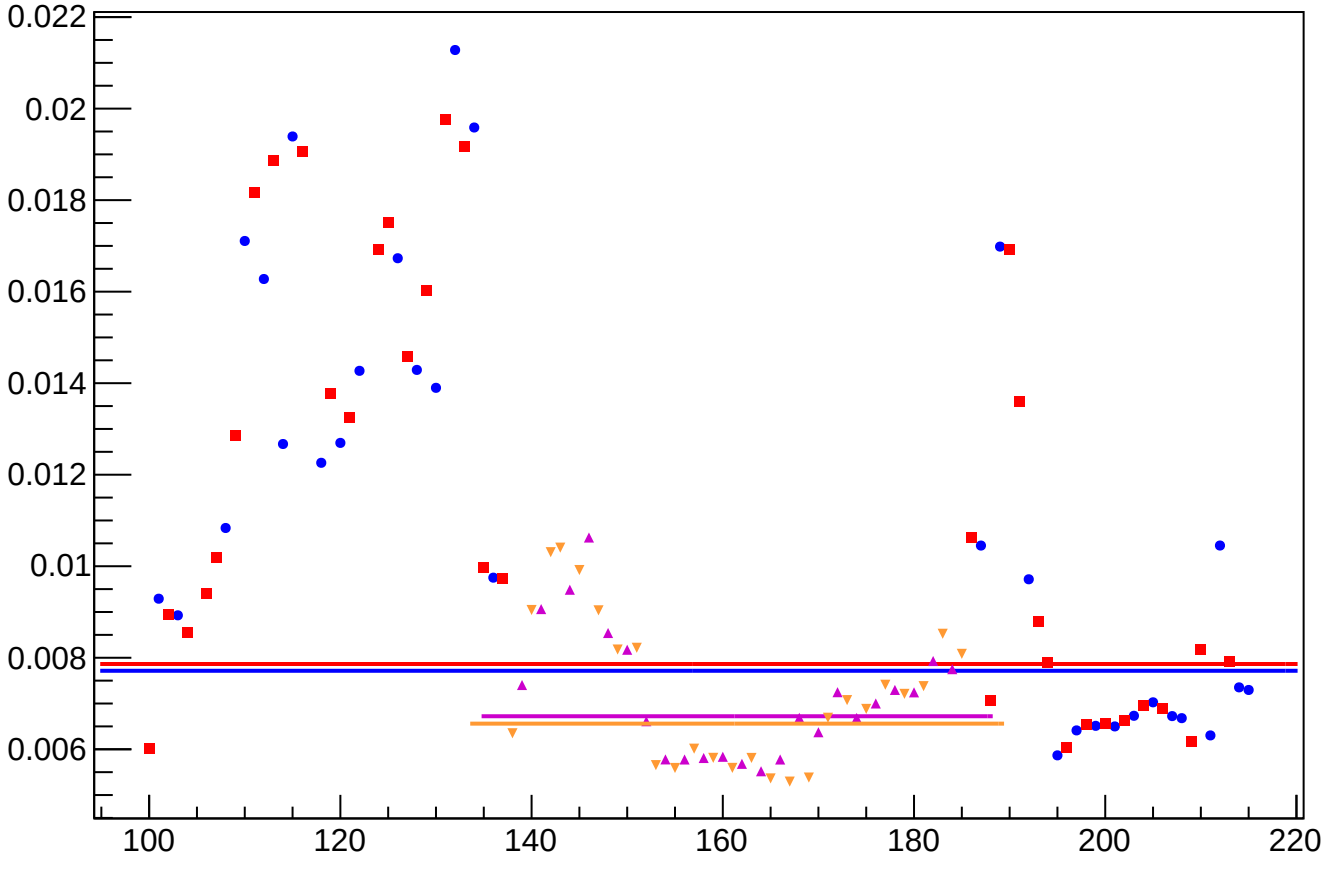
Right: -0.408+/-0.000 χ^2/NDF: 31812755003.0/64

In: -0.569+/-0.000 χ^2/NDF:48800635493.7/53

Out: -0.577+/-0.000 χ^2/NDF:46093807465.7/58

All: -0.573+/-0.000 χ^2/NDF: 94913953725.2/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3192770.2/30

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3257165.7/33

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

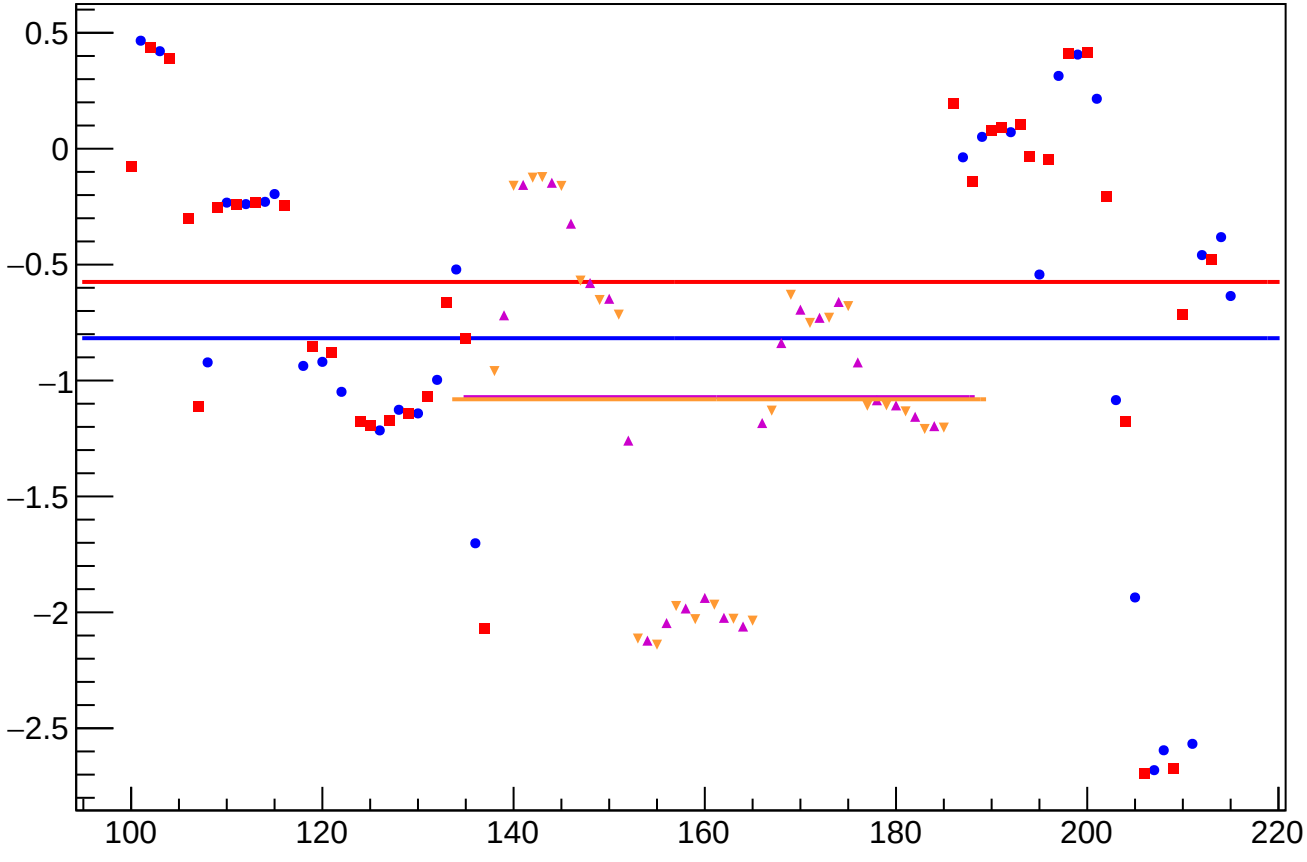
Right: 0.008+/-0.000 χ^2/NDF: 6455745.3/64

In: 0.007+/-0.000 χ^2/NDF:4464865.5/53

Out: 0.007+/-0.000 χ^2/NDF:5194509.4/58

All: 0.007+/-0.000 χ^2/NDF: 9664054.9/112

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.817+/-0.000 χ^2/NDF: 1986058174.3/30

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.575+/-0.000 χ^2/NDF: 1660879677.2/33

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

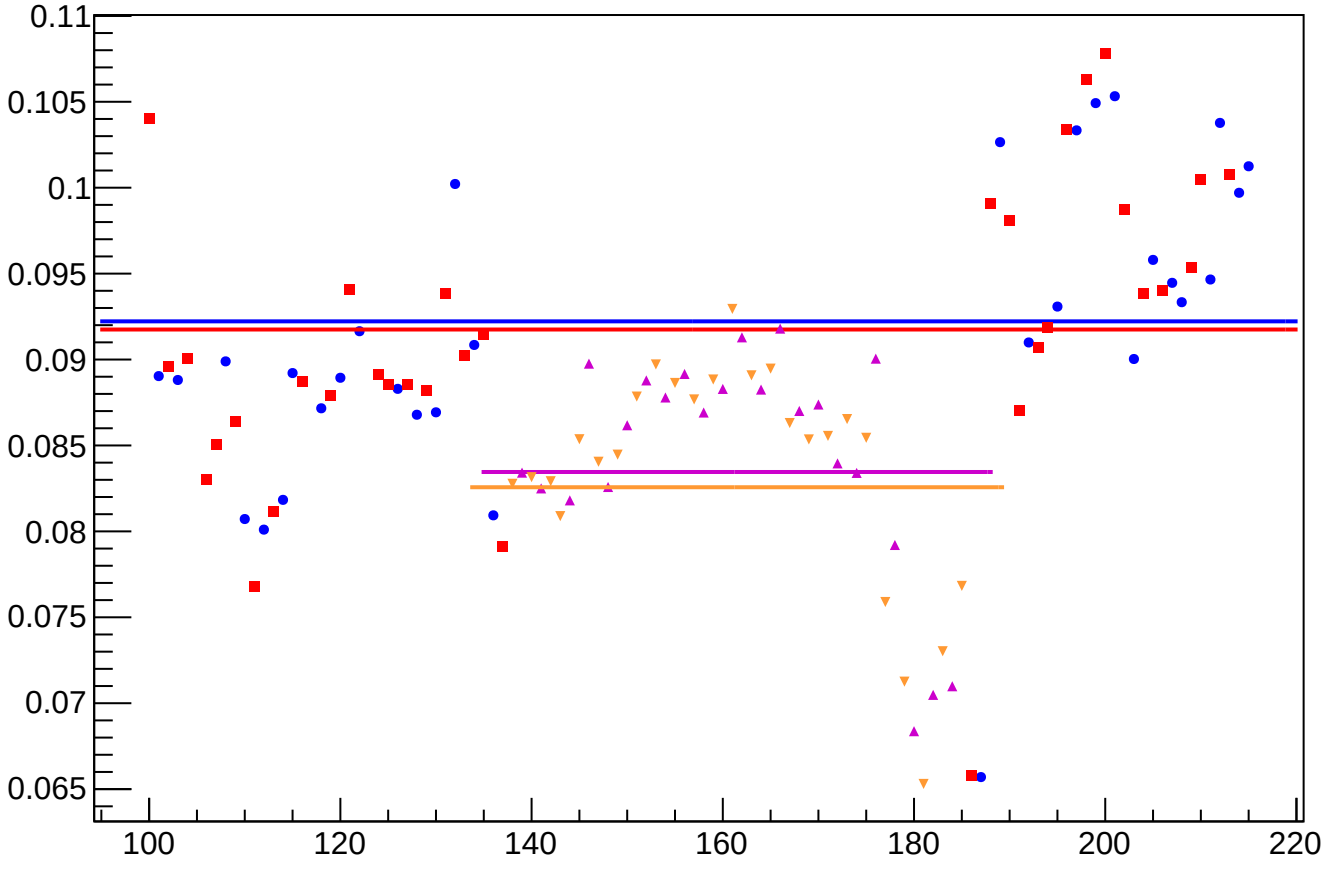
Right: -0.696+/-0.000 χ^2/NDF: 3712738160.0/64

In: -0.954+/-0.000 χ^2/NDF:3039409502.1/53

Out: -0.856+/-0.000 χ^2/NDF:3131594923.7/58

All: -0.904+/-0.000 χ^2/NDF: 6194413496.8/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.092+/-0.000 χ^2/NDF: 292431.1/30

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.092+/-0.000 χ^2/NDF: 360404.1/33

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

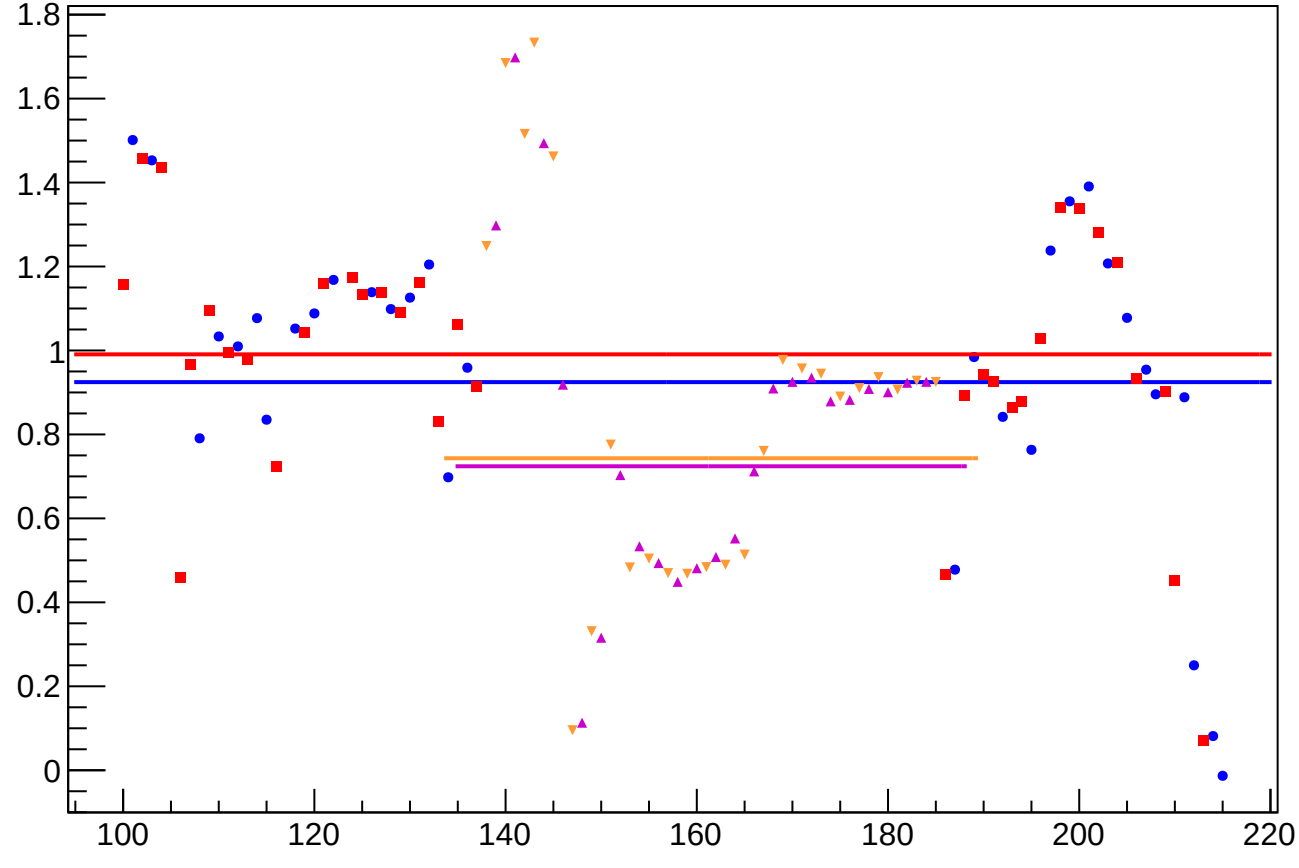
Right: 0.092+/-0.000 χ^2/NDF: 653339.0/64

In: 0.088+/-0.000 χ^2/NDF:715641.7/53

Out: 0.087+/-0.000 χ^2/NDF:860989.6/58

All: 0.087+/-0.000 χ^2/NDF: 1580419.3/112

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 0.925+/-0.000 χ^2/NDF: 22470072179.9/30

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.991+/-0.000 χ^2/NDF: 13404597773.5/33

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

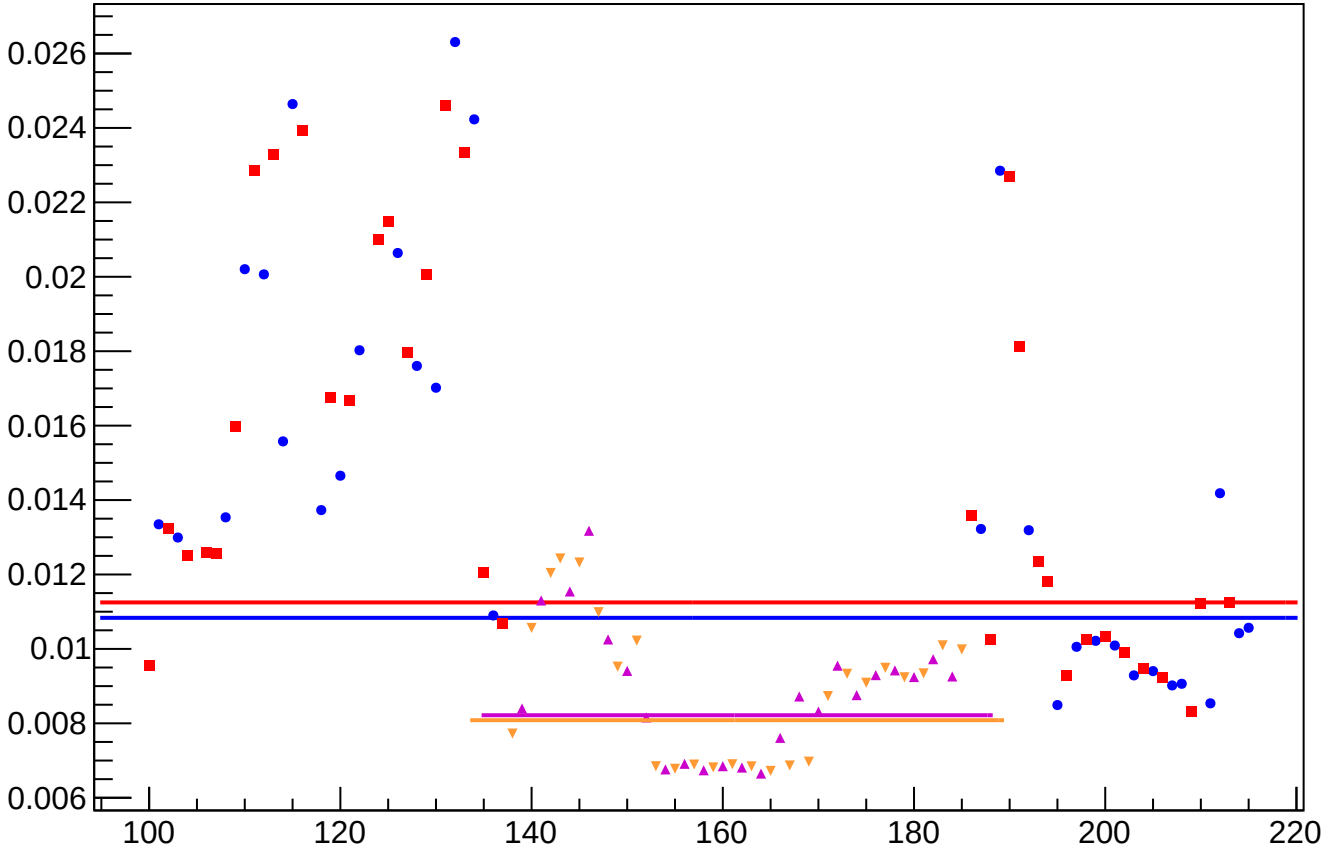
Right: 0.956+/-0.000 χ^2/NDF: 36170075067.1/64

In: 0.797+/-0.000 χ^2/NDF:51764562330.1/53

Out: 0.823+/-0.000 χ^2/NDF:51318564503.2/58

All: 0.810+/-0.000 χ^2/NDF: 103208339886.7

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2399072.8/30

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2456964.2/33

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

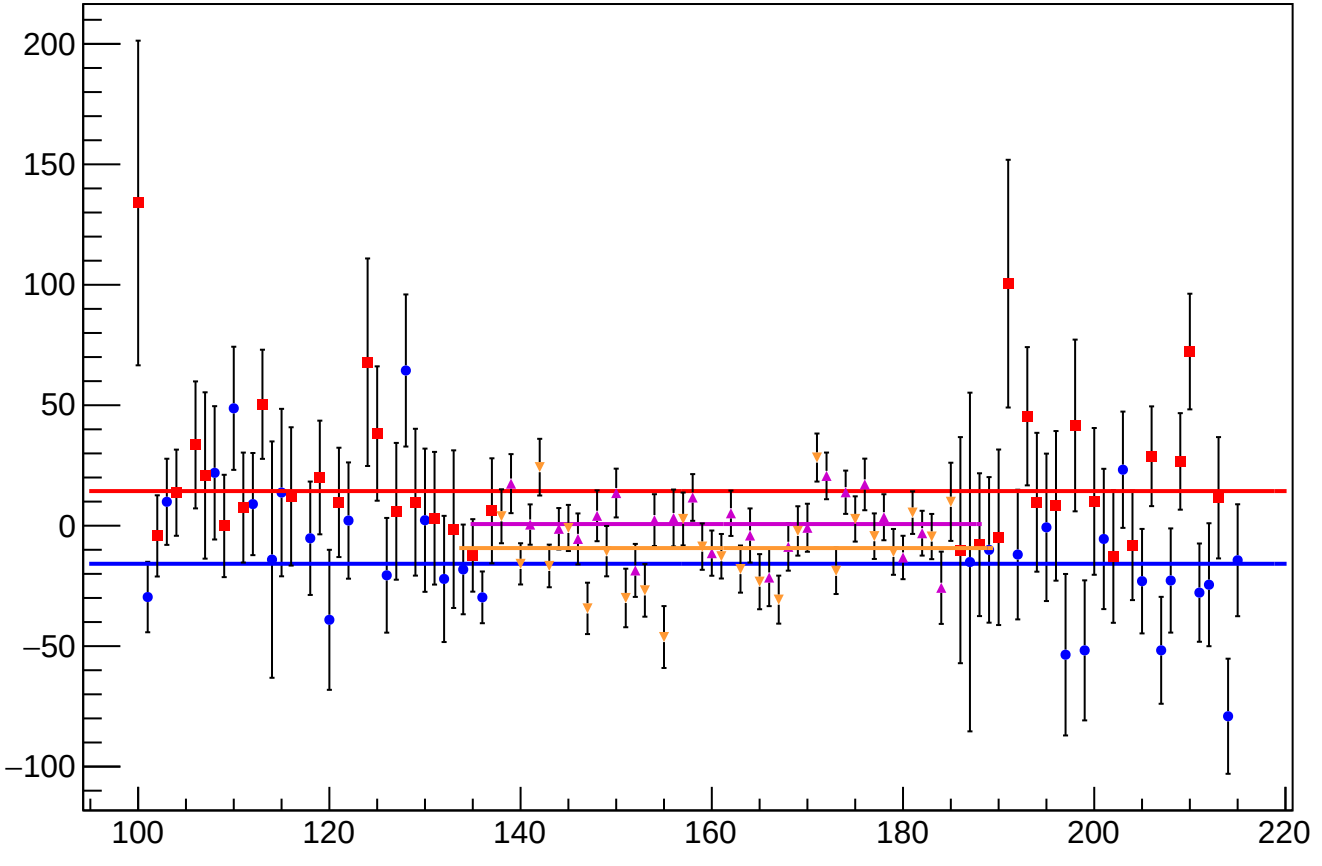
Right: 0.011+/-0.000 χ^2/NDF: 4879214.9/64

In: 0.009+/-0.000 χ^2/NDF:4767464.9/53

Out: 0.009+/-0.000 χ^2/NDF:5607501.8/58

All: 0.009+/-0.000 χ^2/NDF: 10377230.2/112

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -15.810+/-4.142 χ^2/NDF: 39.5/30

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 14.365+/-4.363 χ^2/NDF: 28.6/33

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

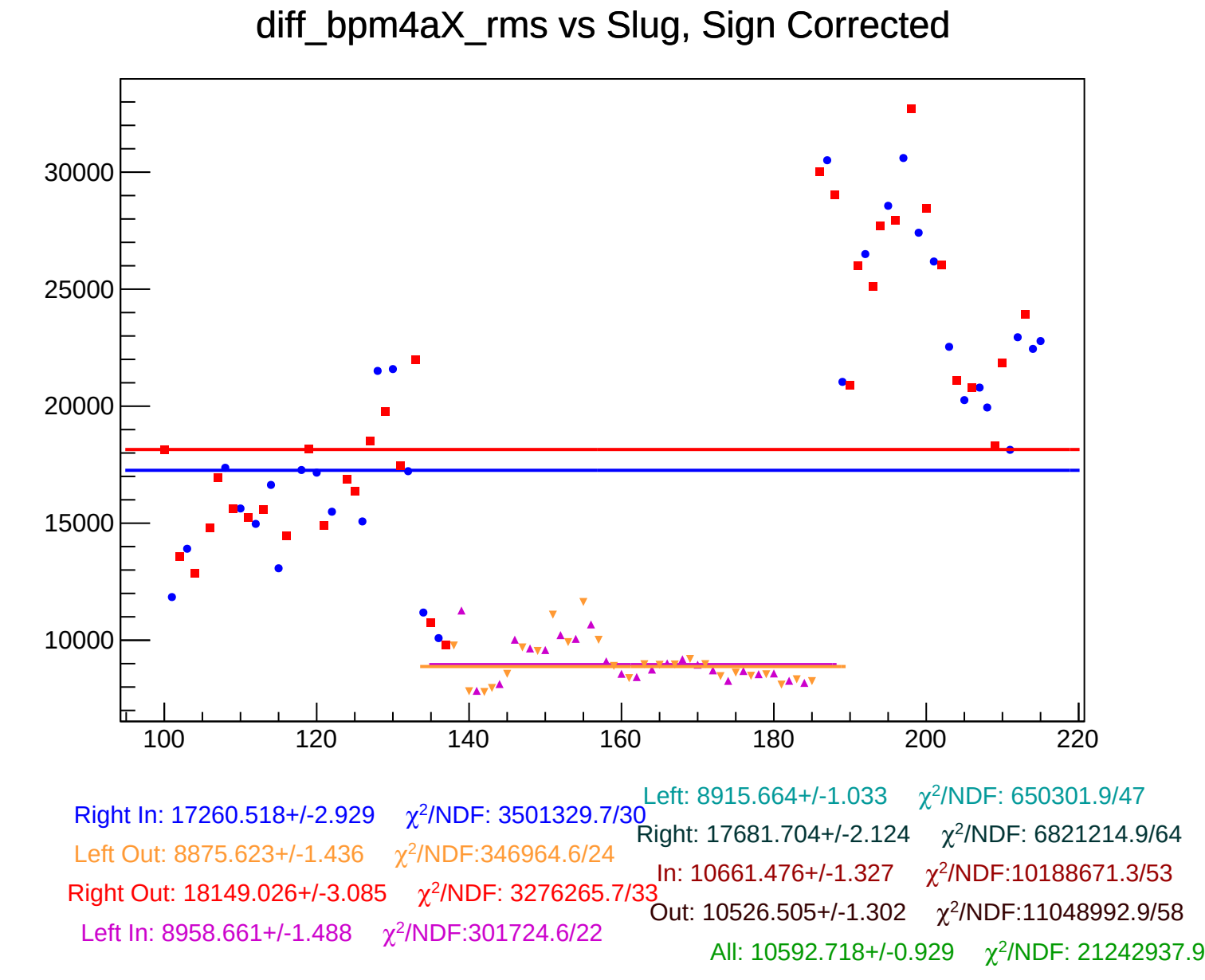
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: -1.506+/-3.004 χ^2/NDF: 93.2/64

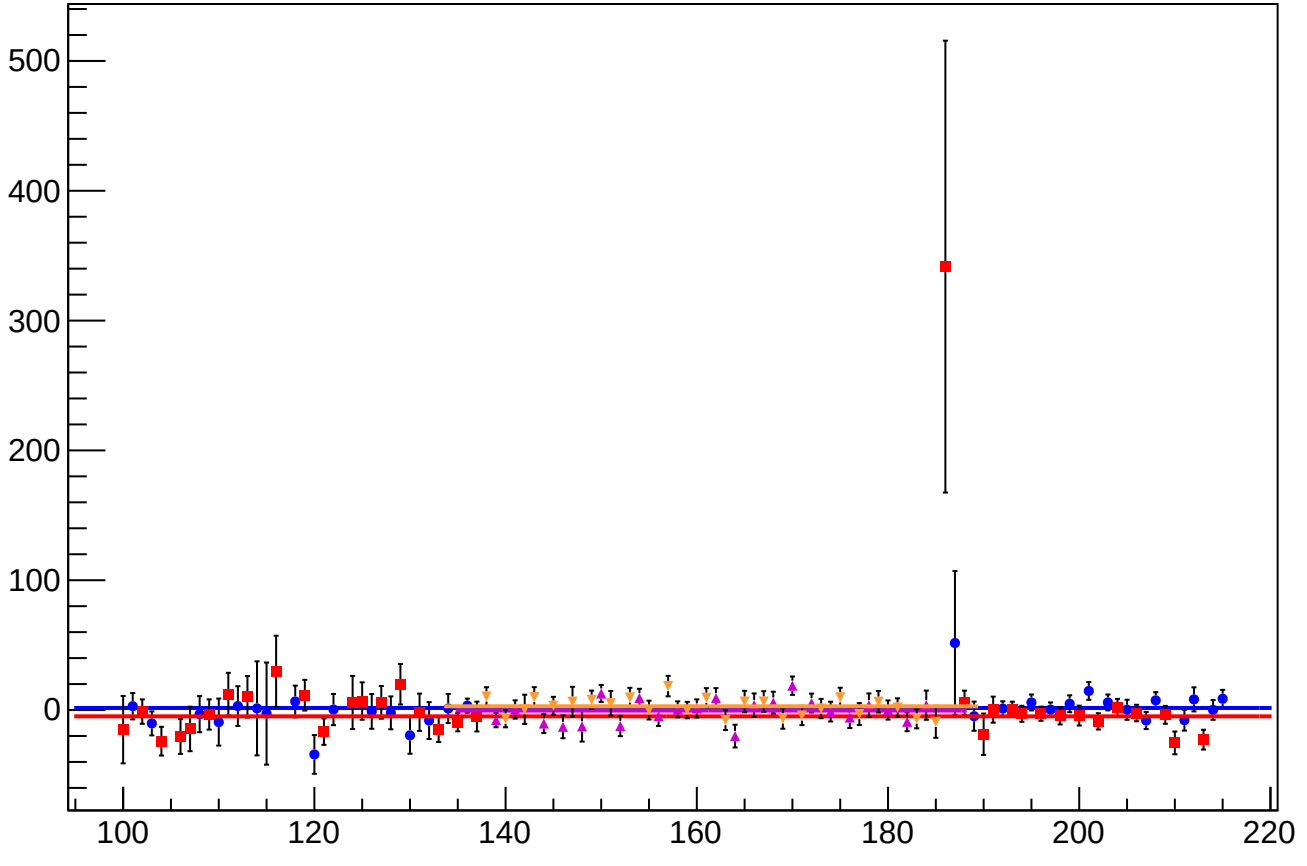
In: -2.705+/-1.876 χ^2/NDF:81.5/53

Out: -5.080+/-1.841 χ^2/NDF:113.9/58

All: -3.915+/-1.314 χ^2/NDF: 196.2/112


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17260.518+/-2.929 χ²/NDF: 3501329.7/30
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 18149.026+/-3.085 χ²/NDF: 3276265.7/33
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 17681.704+/-2.124 χ²/NDF: 6821214.9/64
In: 10661.476+/-1.327 χ²/NDF:10188671.3/53
Out: 10526.505+/-1.302 χ²/NDF:11048992.9/58
All: 10592.718+/-0.929 χ²/NDF: 21242937.9

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.584+/-1.547 χ^2/NDF: 23.1/30

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -4.859+/-1.573 χ^2/NDF: 37.6/33

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

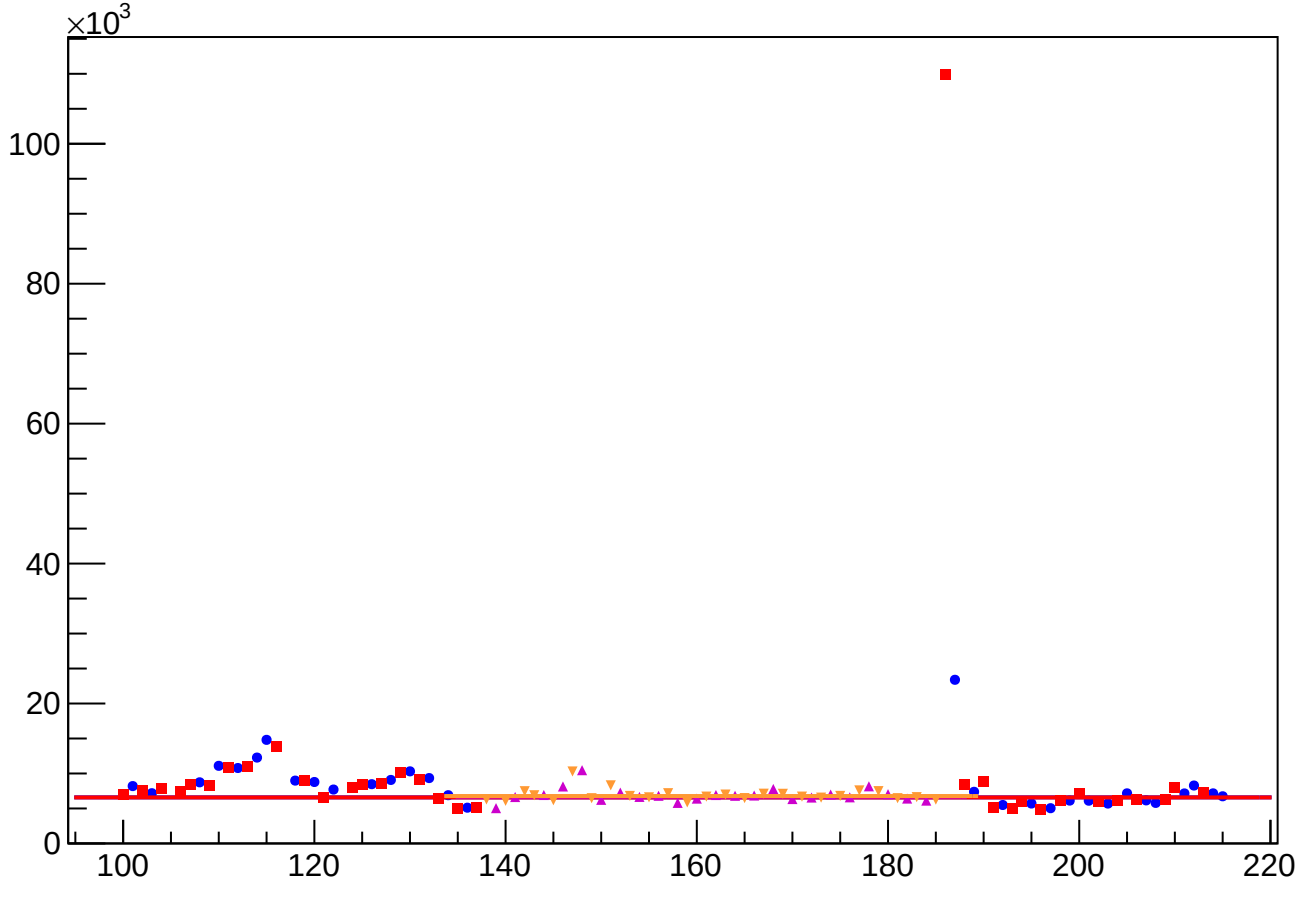
Right: -1.584+/-1.103 χ^2/NDF: 69.2/64

In: 0.586+/-1.106 χ^2/NDF:56.8/53

Out: -0.942+/-1.106 χ^2/NDF:69.3/58

All: -0.178+/-0.782 χ^2/NDF: 127.0/112

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6587.392+/-1.094 χ^2/NDF: 1799314.7/30

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6576.436+/-1.113 χ^2/NDF: 2402028.9/33

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

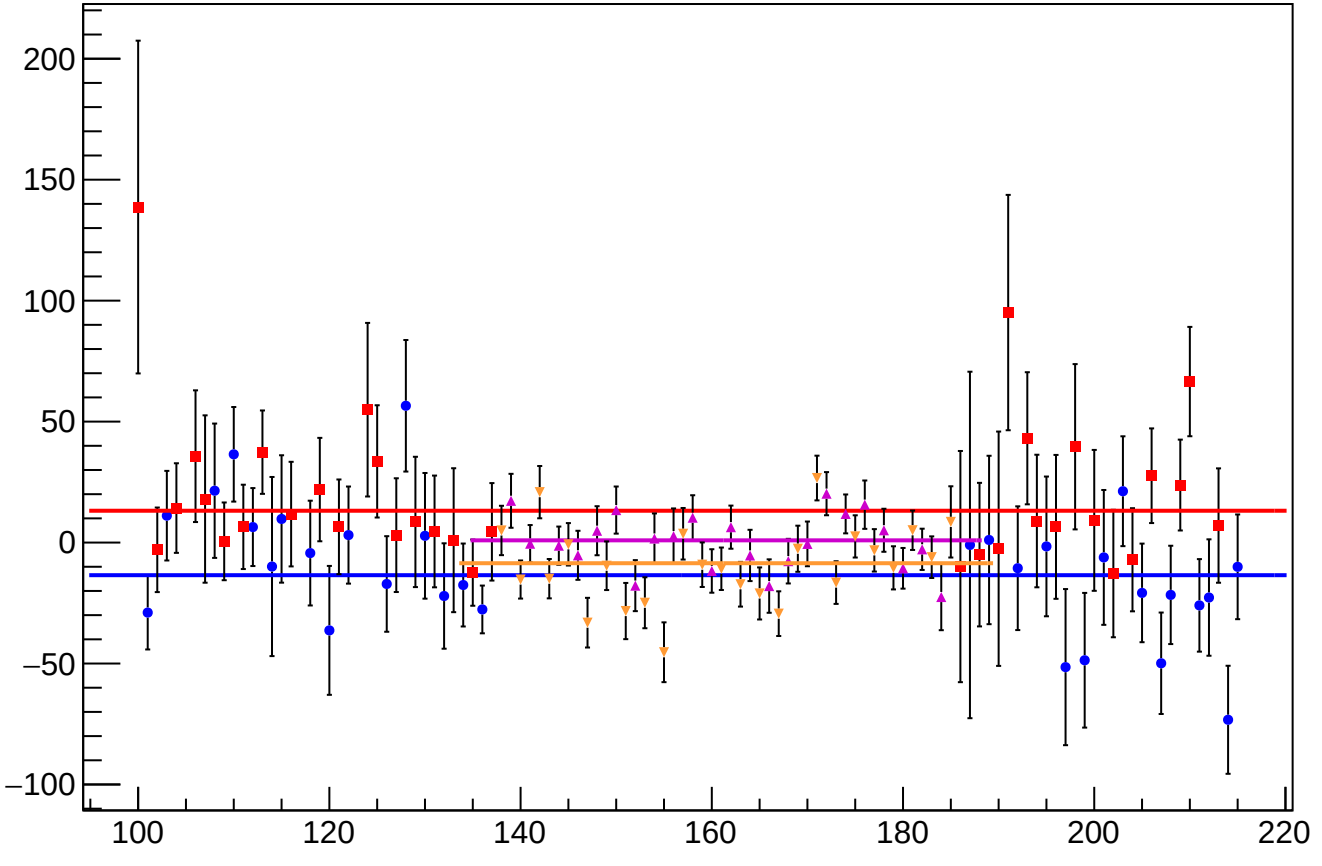
Right: 6582.004+/-0.780 χ^2/NDF: 4201392.9/64

In: 6637.362+/-0.782 χ^2/NDF:2423855.1/53

Out: 6677.840+/-0.782 χ^2/NDF:2818607.0/58

All: 6657.611+/-0.553 χ^2/NDF: 5243802.0/11

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -13.484+/-3.799 χ^2/NDF: 41.0/30

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 13.157+/-3.959 χ^2/NDF: 28.1/33

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

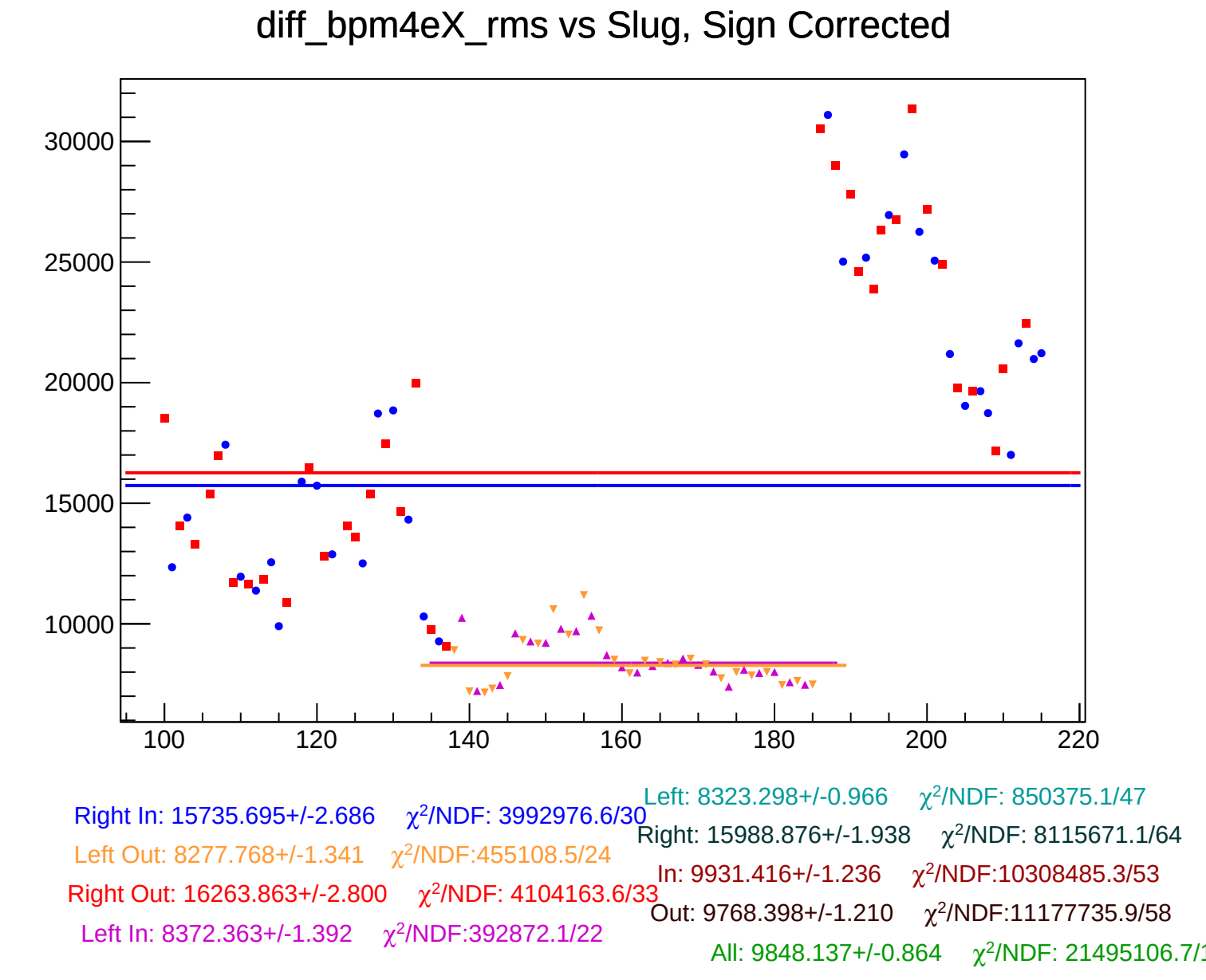
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: -0.713+/-2.741 χ^2/NDF: 92.7/64

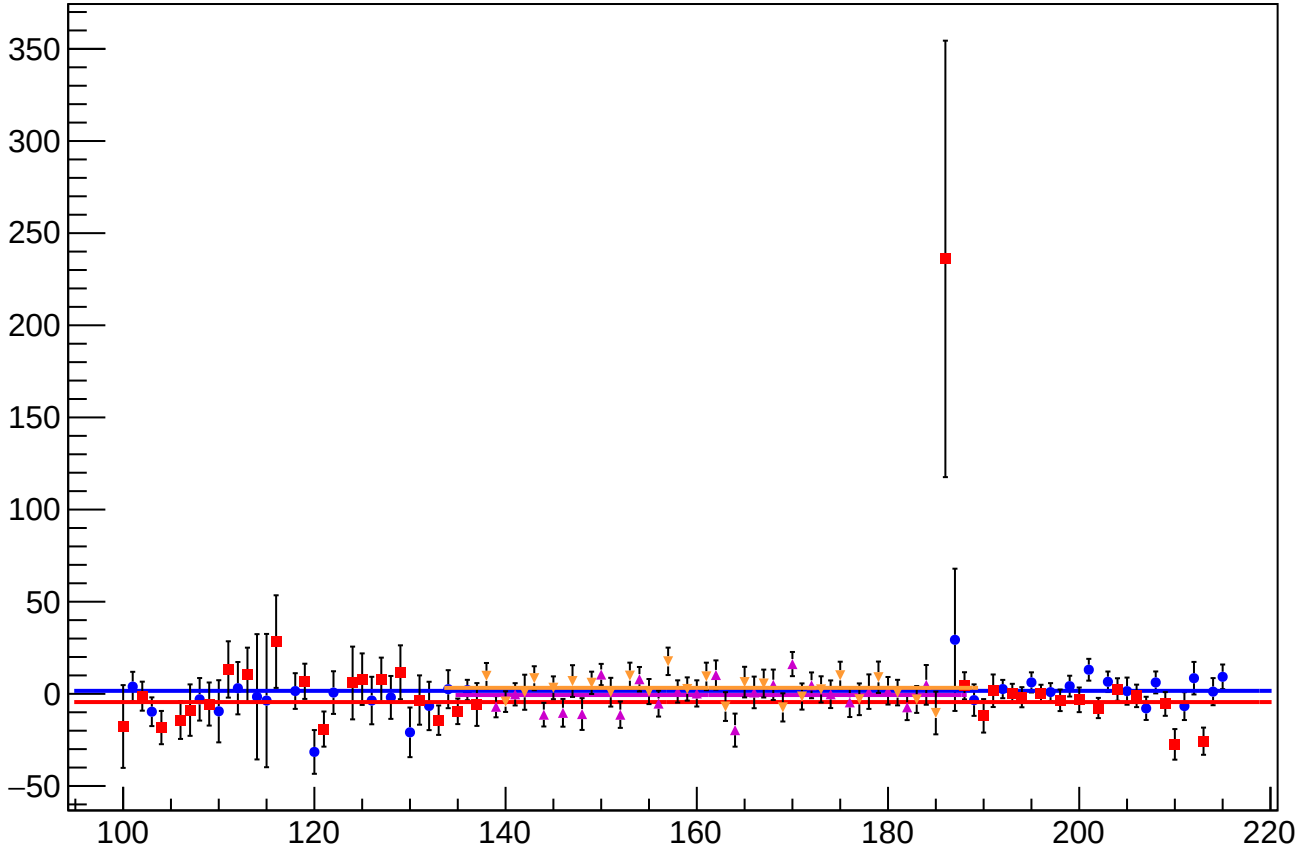
In: -2.130+/-1.748 χ^2/NDF:81.4/53

Out: -4.487+/-1.711 χ^2/NDF:114.4/58

All: -3.334+/-1.223 χ^2/NDF: 196.8/112


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15735.695+/-2.686 χ²/NDF: 3992976.6/30
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 16263.863+/-2.800 χ²/NDF: 4104163.6/33
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 15988.876+/-1.938 χ²/NDF: 8115671.1/64
In: 9931.416+/-1.236 χ²/NDF:10308485.3/53
Out: 9768.398+/-1.210 χ²/NDF:11177735.9/58
All: 9848.137+/-0.864 χ²/NDF: 21495106.7/

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.625+/-1.403 χ^2/NDF: 26.4/30

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -4.460+/-1.401 χ^2/NDF: 43.7/33

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

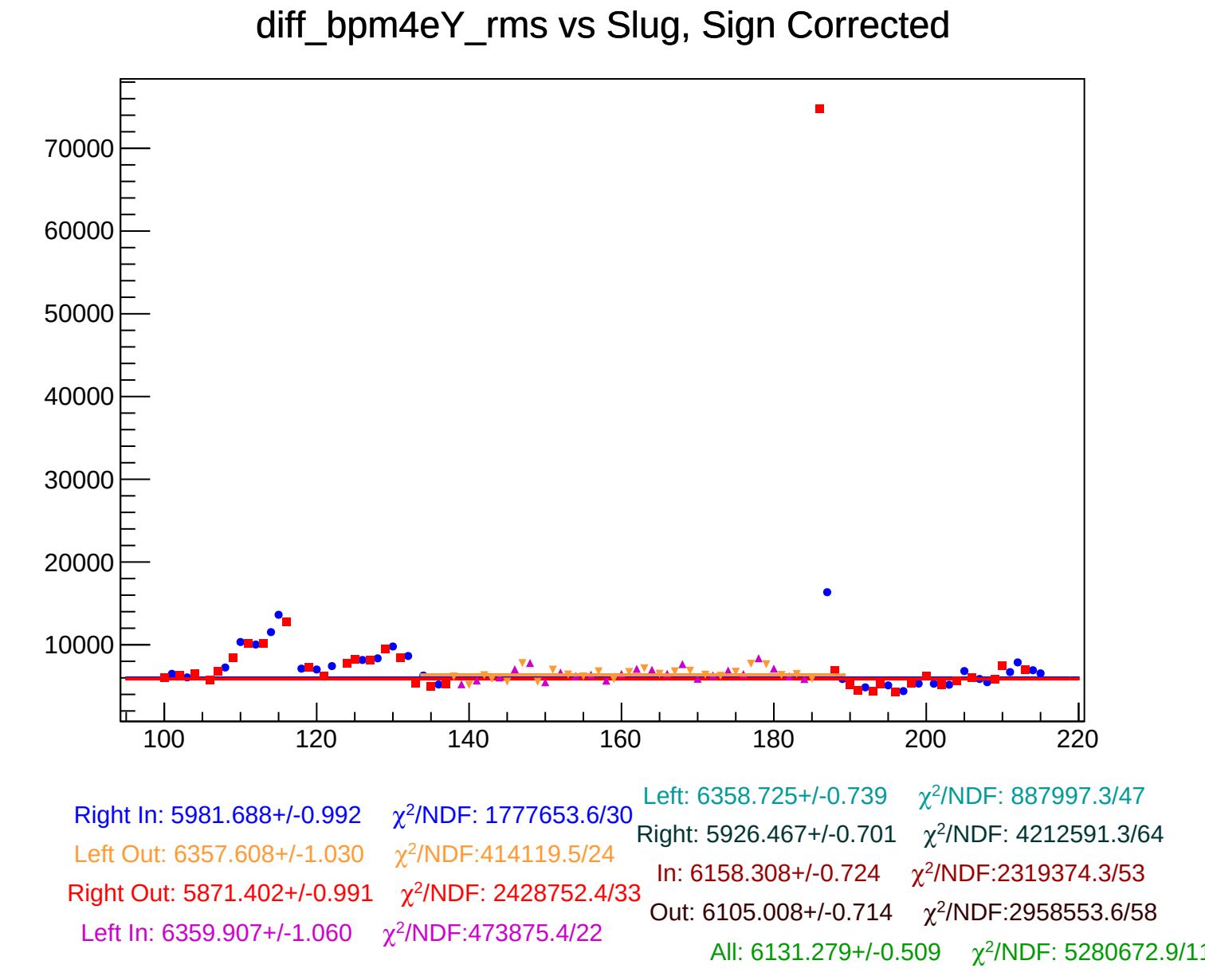
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -1.422+/-0.992 χ^2/NDF: 79.6/64

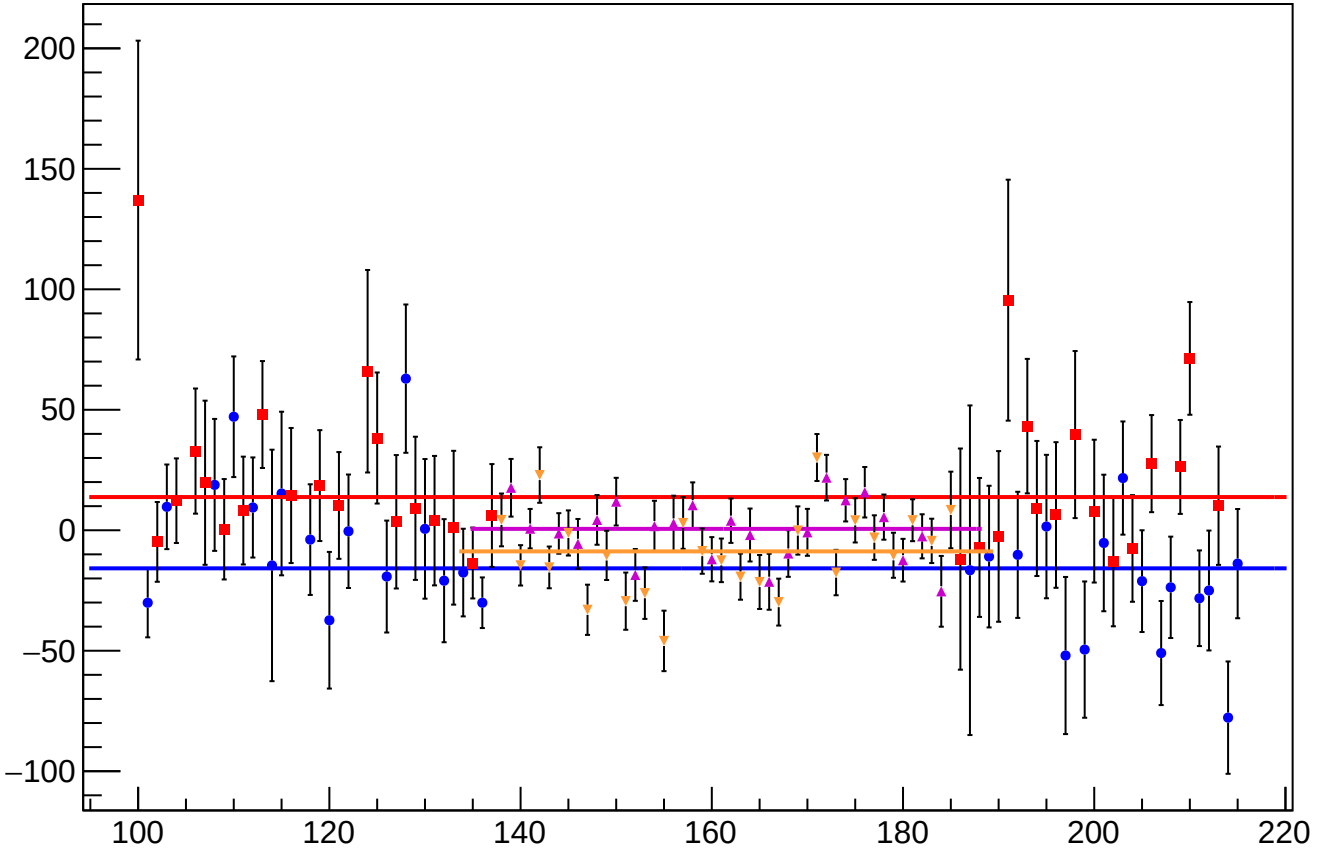
In: 0.565+/-1.025 χ^2/NDF:58.4/53

Out: -0.753+/-1.010 χ^2/NDF:75.9/58

All: -0.104+/-0.719 χ^2/NDF: 135.2/112


diff_bpm4eY_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
220
Right In: 5981.688+/-0.992 χ²/NDF: 1777653.6/30
Left Out: 6357.608+/-1.030 χ²/NDF:414119.5/24
Right Out: 5871.402+/-0.991 χ²/NDF: 2428752.4/33
Left In: 6359.907+/-1.060 χ²/NDF:473875.4/22
Left: 6358.725+/-0.739 χ²/NDF: 887997.3/47
Right: 5926.467+/-0.701 χ²/NDF: 4212591.3/64
In: 6158.308+/-0.724 χ²/NDF:2319374.3/53
Out: 6105.008+/-0.714 χ²/NDF:2958553.6/58
All: 6131.279+/-0.509 χ²/NDF: 5280672.9/11

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -15.805+/-4.046 χ^2/NDF: 39.6/30

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 13.778+/-4.262 χ^2/NDF: 29.1/33

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

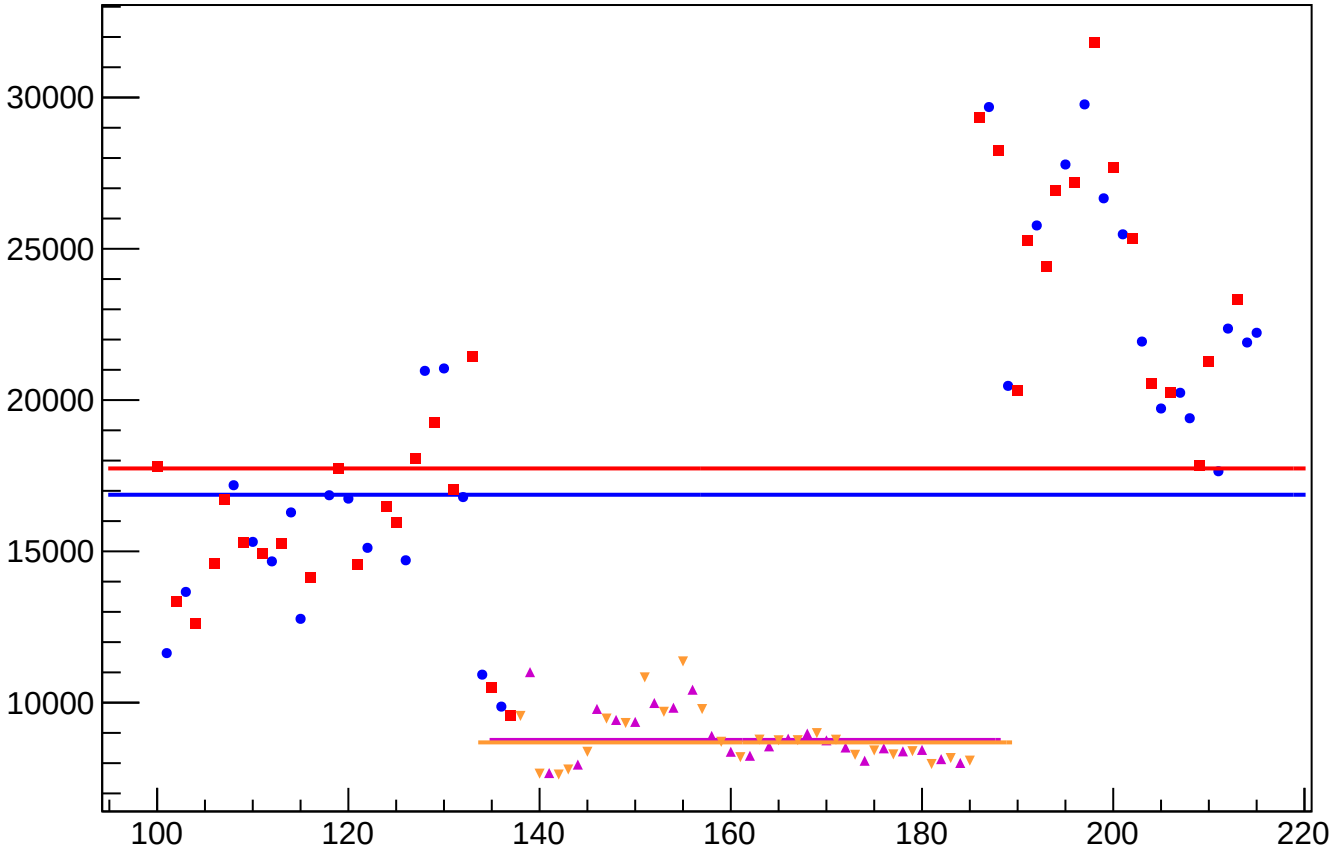
Right: -1.782+/-2.934 χ^2/NDF: 94.0/64

In: -2.792+/-1.835 χ^2/NDF:82.2/53

Out: -4.741+/-1.801 χ^2/NDF:114.8/58

All: -3.785+/-1.285 χ^2/NDF: 197.5/112

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 16870.984+/-2.861 χ^2/NDF: 3450382.9/30

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17740.537+/-3.014 χ^2/NDF: 3224023.2/33

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

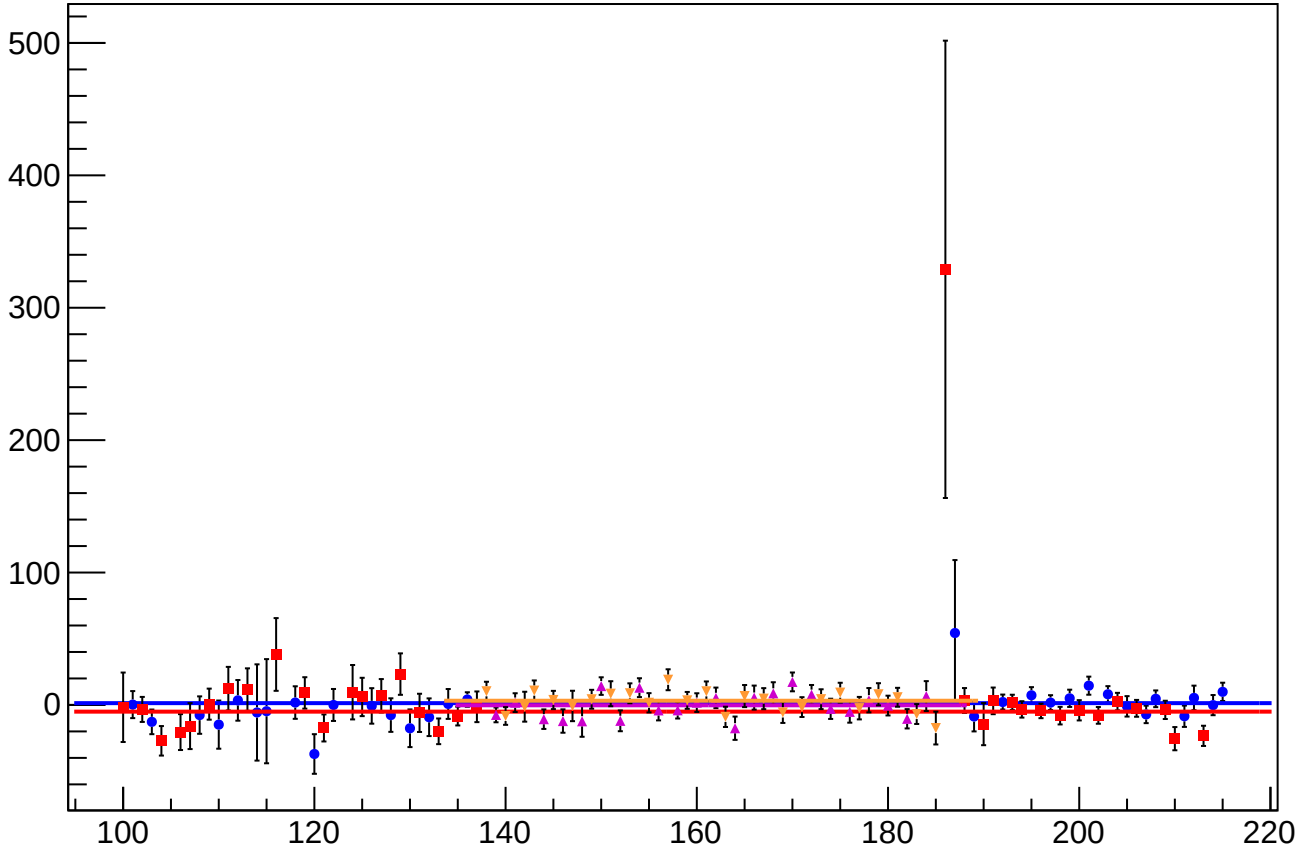
Right: 17283.160+/-2.075 χ^2/NDF: 6718198.9/64

In: 10434.872+/-1.298 χ^2/NDF:10118420.4/53

Out: 10302.758+/-1.273 χ^2/NDF:10980176.2/58

All: 10367.571+/-0.909 χ^2/NDF: 21103877.1

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.357+/-1.552 χ^2/NDF: 26.6/30

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -5.065+/-1.578 χ^2/NDF: 41.6/33

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

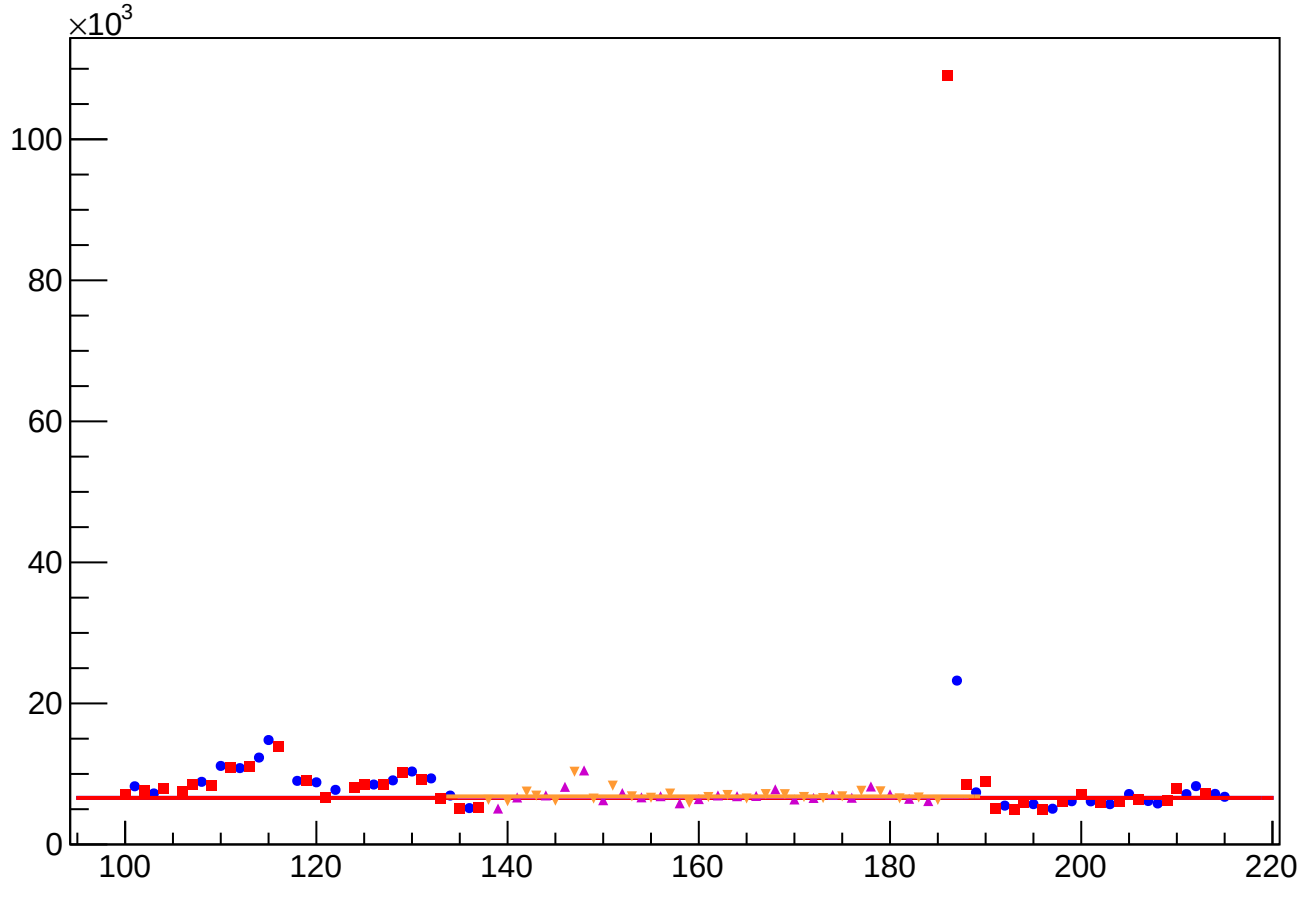
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -1.799+/-1.106 χ^2/NDF: 76.6/64

In: 0.564+/-1.111 χ^2/NDF:61.3/53

Out: -0.904+/-1.110 χ^2/NDF:77.0/58

All: -0.170+/-0.785 χ^2/NDF: 139.2/112



Right In: 6606.419+/-1.097 χ^2/NDF: 1794662.7/30

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6599.250+/-1.116 χ^2/NDF: 2394589.5/33

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

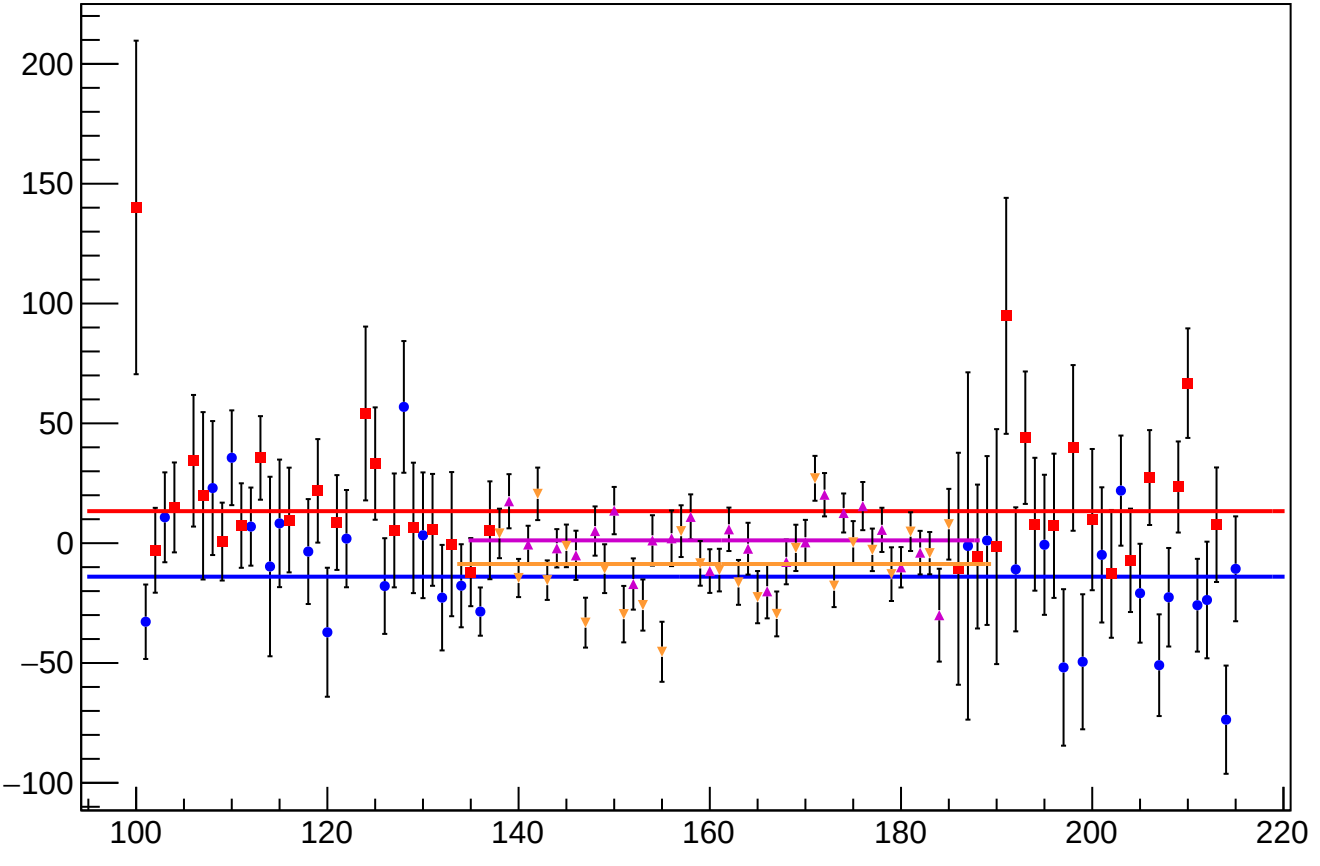
Right: 6602.896+/-0.782 χ^2/NDF: 4189273.2/64

In: 6665.652+/-0.785 χ^2/NDF:2410675.7/53

Out: 6707.229+/-0.785 χ^2/NDF:2807737.8/58

All: 6686.447+/-0.555 χ^2/NDF: 5219815.6/11

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -13.981+/-3.849 χ^2/NDF: 41.4/30

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 13.362+/-4.014 χ^2/NDF: 26.8/33

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

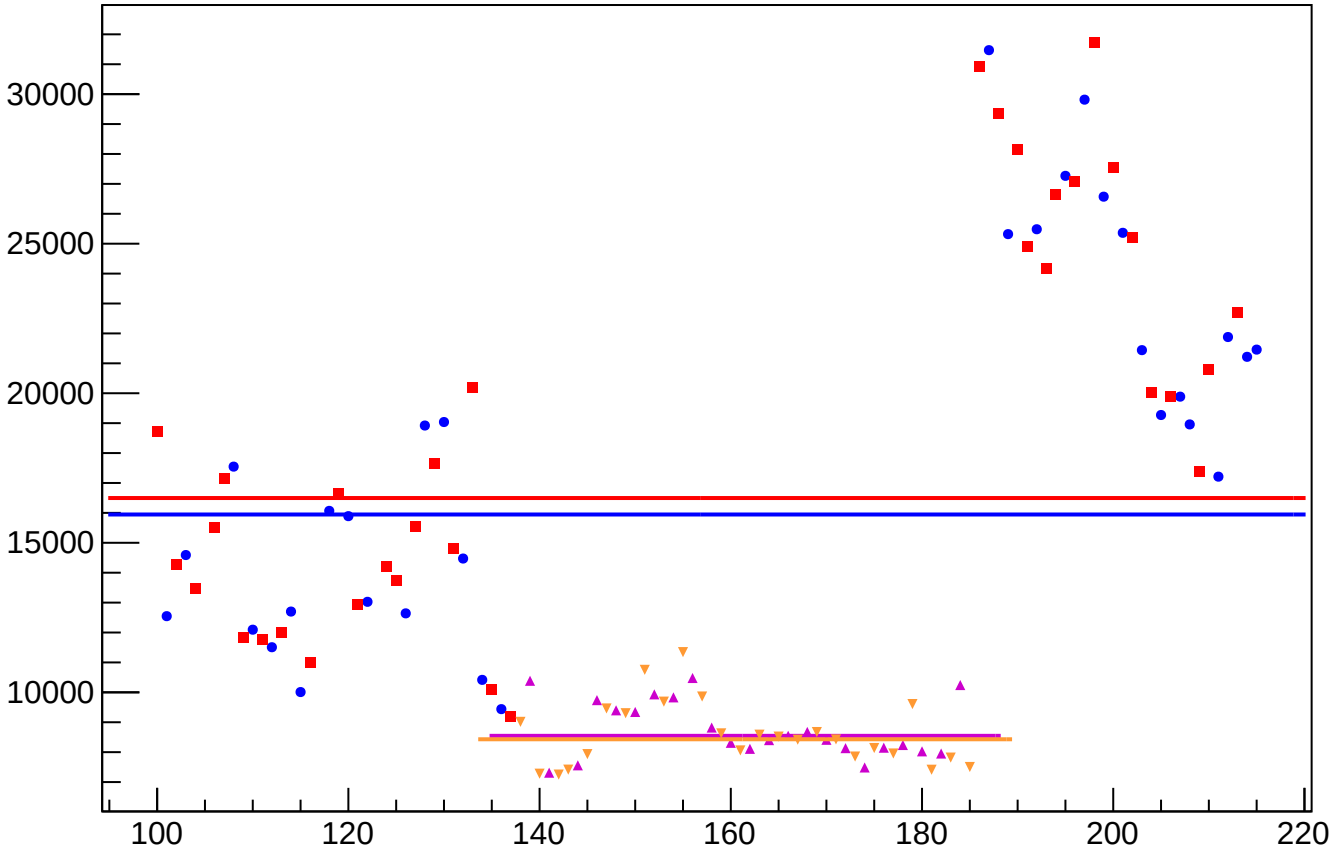
Right: -0.883+/-2.778 χ^2/NDF: 92.3/64

In: -2.080+/-1.783 χ^2/NDF:82.1/53

Out: -4.529+/-1.744 χ^2/NDF:112.7/58

All: -3.332+/-1.247 χ^2/NDF: 195.8/112

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 15945.970+/-2.722 χ^2/NDF: 3962298.4/30

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16496.560+/-2.838 χ^2/NDF: 4056720.5/33

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

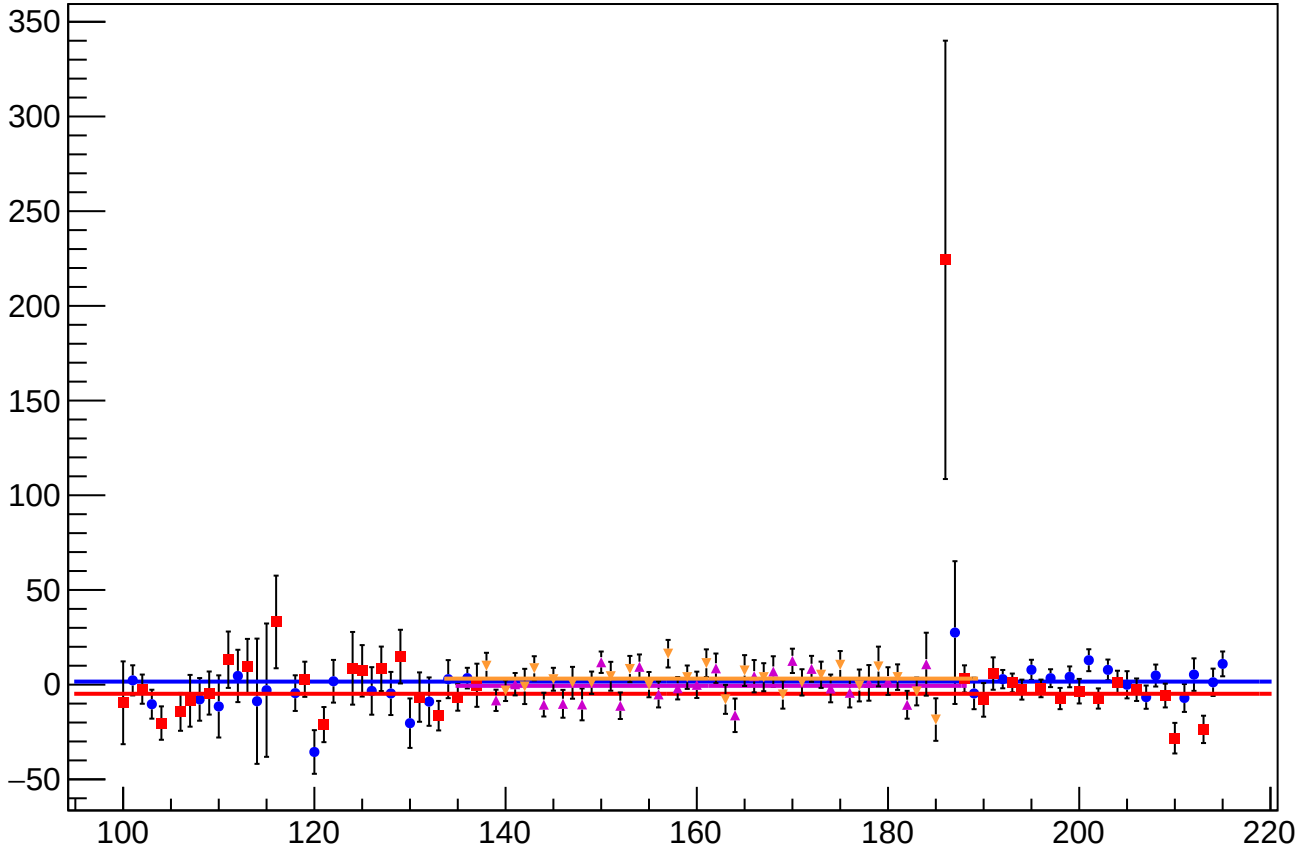
Right: 16209.719+/-1.964 χ^2/NDF: 8038625.0/64

In: 10134.298+/-1.261 χ^2/NDF:10158750.1/53

Out: 9953.229+/-1.233 χ^2/NDF:11093344.7/58

All: 10041.738+/-0.882 χ^2/NDF: 21262634.7

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.612+/-1.370 χ^2/NDF: 32.6/30

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -4.822+/-1.366 χ^2/NDF: 45.4/33

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

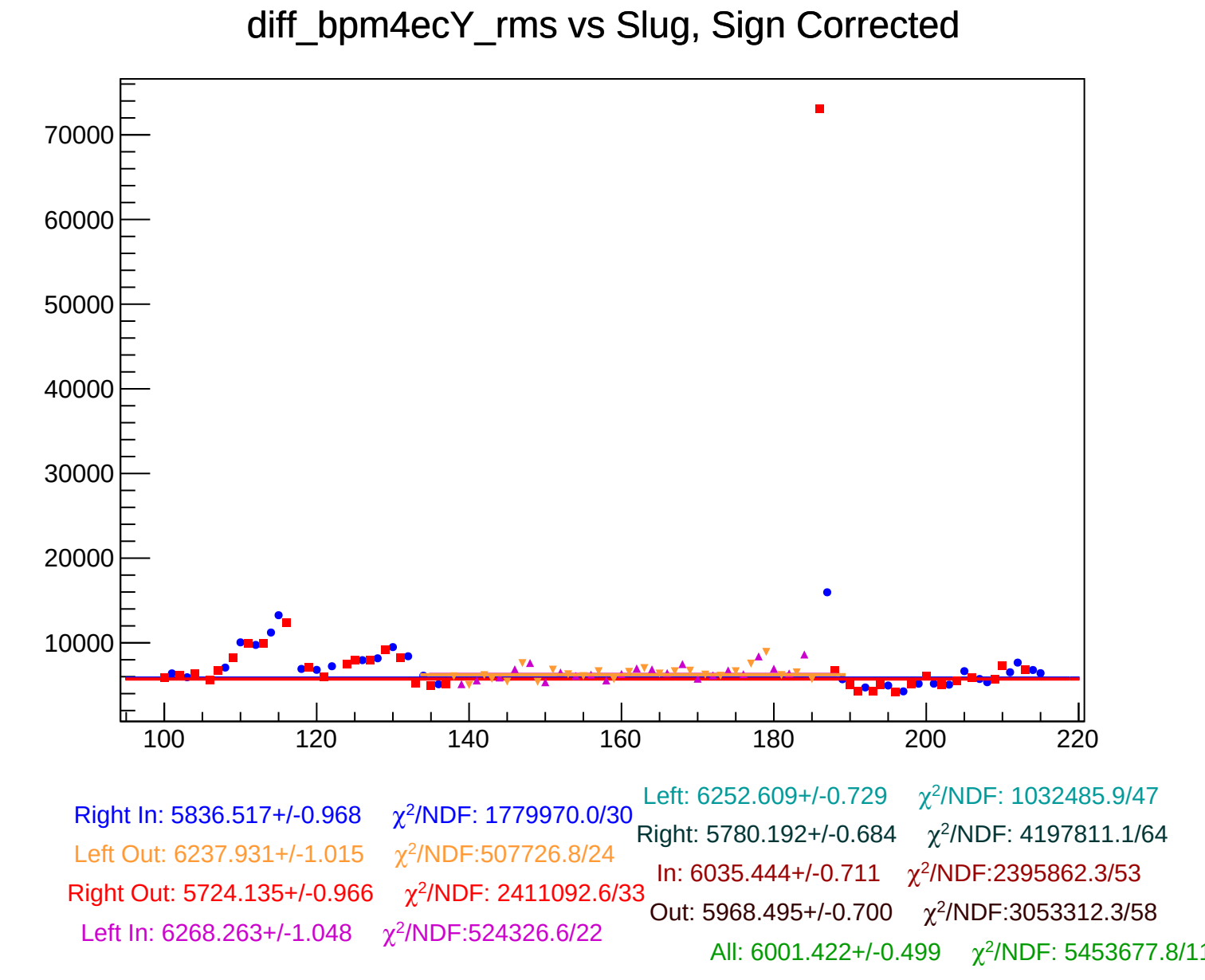
Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

Right: -1.613+/-0.967 χ^2/NDF: 89.0/64

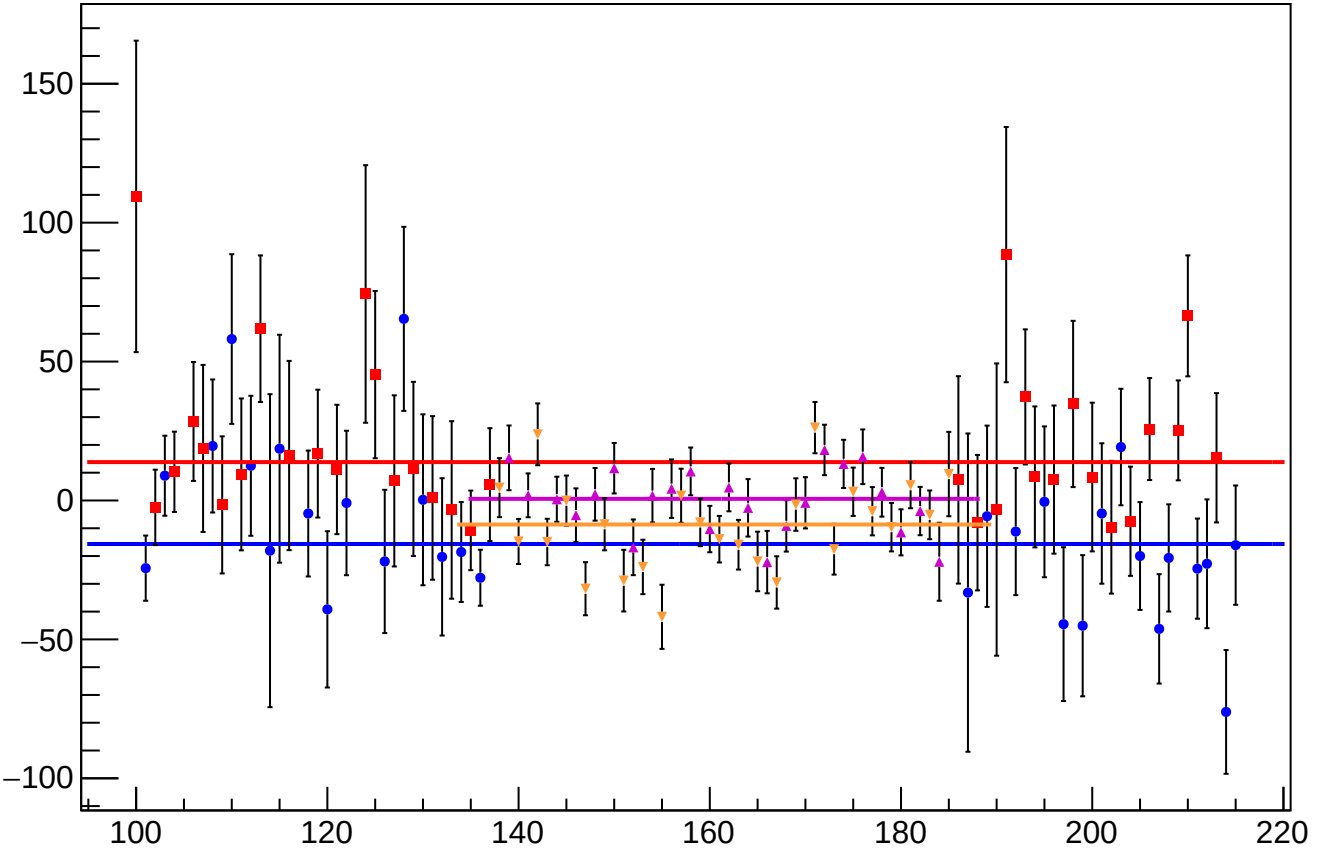
In: 0.577+/-1.006 χ^2/NDF:65.6/53

Out: -1.014+/-0.989 χ^2/NDF:80.4/58

All: -0.231+/-0.705 χ^2/NDF: 147.3/112


diff_bpm4ecY_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
220
Right In: 5836.517+/-0.968 χ²/NDF: 1779970.0/30
Left Out: 6237.931+/-1.015 χ²/NDF:507726.8/24
Right Out: 5724.135+/-0.966 χ²/NDF: 2411092.6/33
Left In: 6268.263+/-1.048 χ²/NDF:524326.6/22
Left: 6252.609+/-0.729 χ²/NDF: 1032485.9/47
Right: 5780.192+/-0.684 χ²/NDF: 4197811.1/64
In: 6035.444+/-0.711 χ²/NDF:2395862.3/53
Out: 5968.495+/-0.700 χ²/NDF:3053312.3/58
All: 6001.422+/-0.499 χ²/NDF: 5453677.8/11

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -15.664+/-3.835 χ^2/NDF: 38.6/30

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 13.818+/-4.060 χ^2/NDF: 29.1/33

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

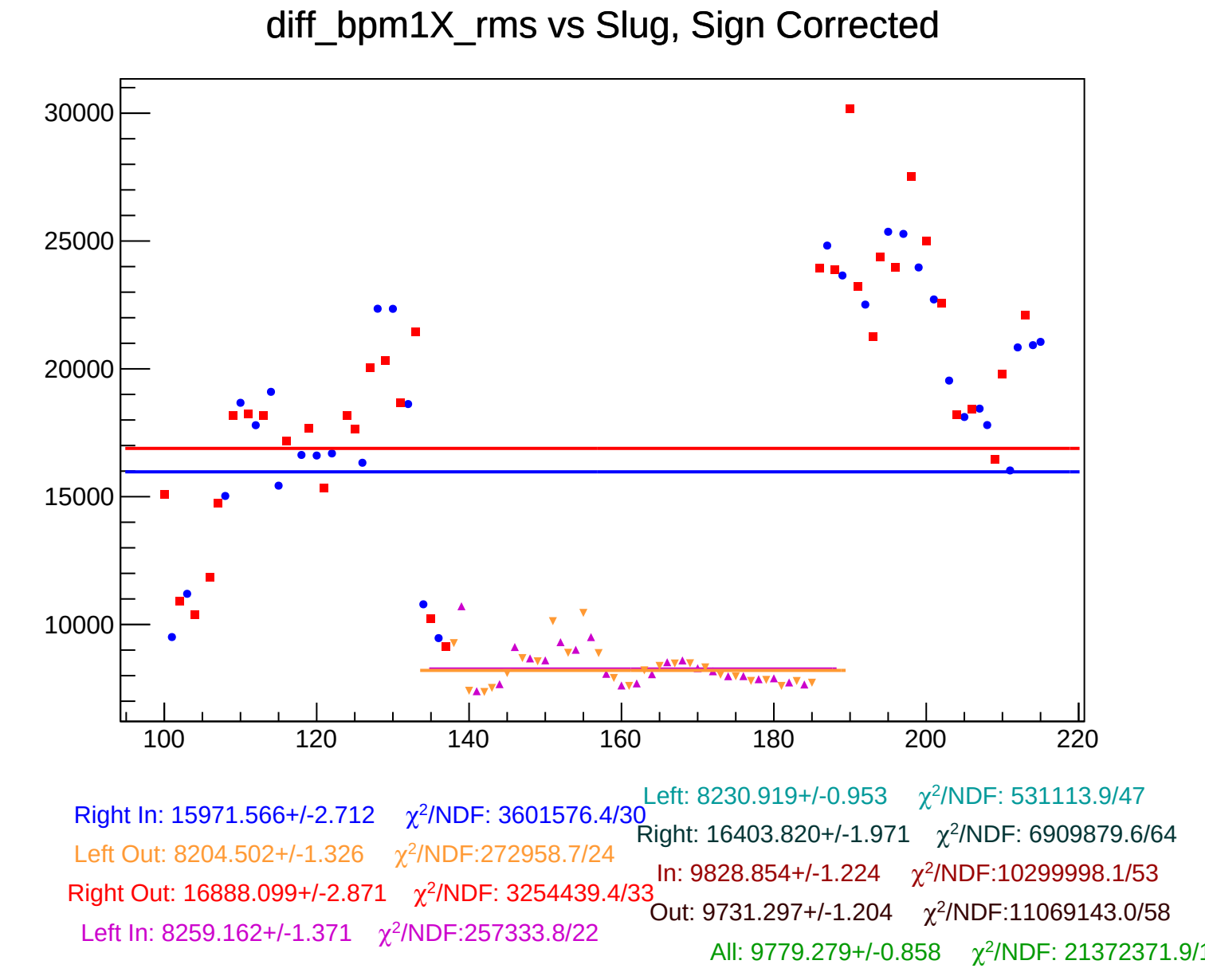
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -1.760+/-2.788 χ^2/NDF: 95.6/64

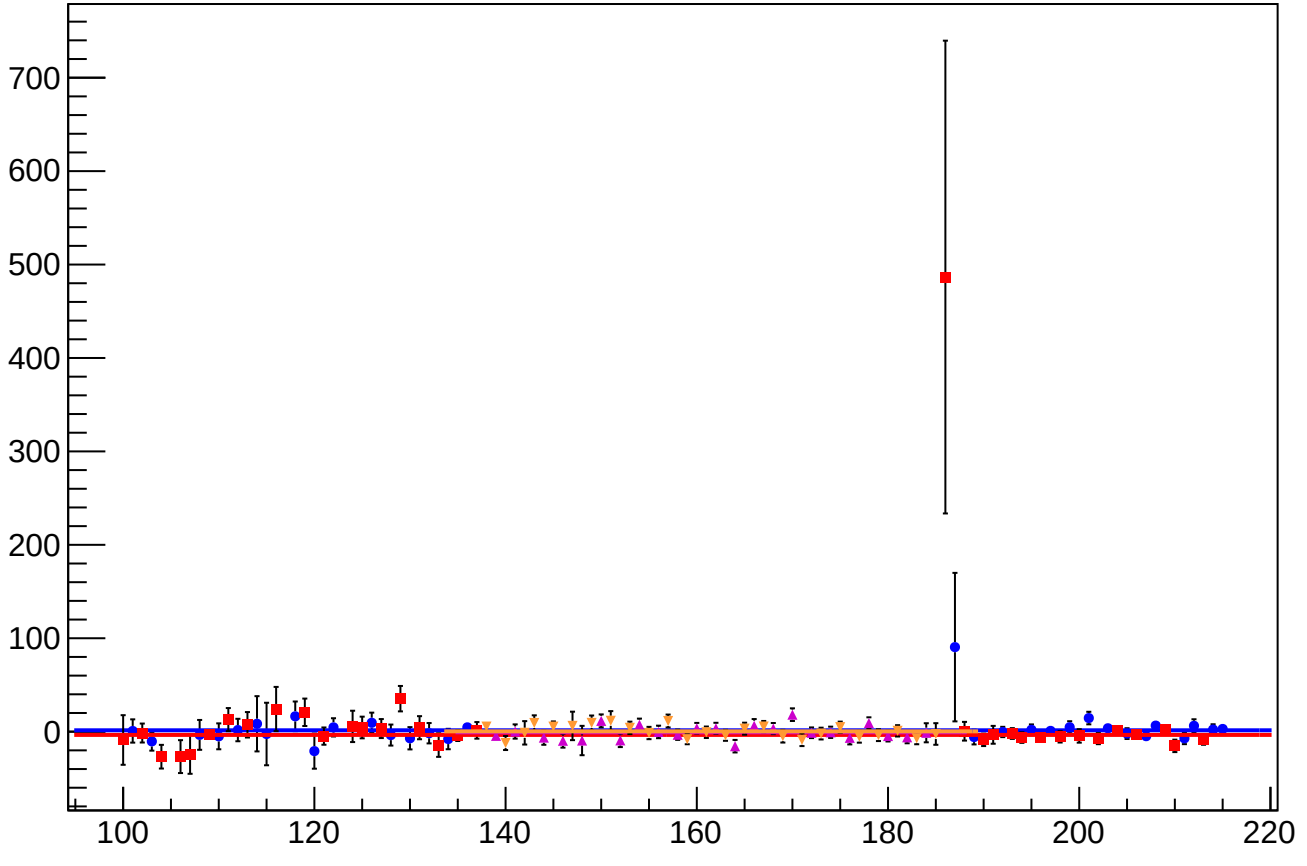
In: -2.724+/-1.730 χ^2/NDF:81.4/53

Out: -4.700+/-1.702 χ^2/NDF:117.4/58

All: -3.728+/-1.213 χ^2/NDF: 199.5/112


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 15971.566+/-2.712 χ²/NDF: 3601576.4/30
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 16888.099+/-2.871 χ²/NDF: 3254439.4/33
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 16403.820+/-1.971 χ²/NDF: 6909879.6/64
In: 9828.854+/-1.224 χ²/NDF:10299998.1/53
Out: 9731.297+/-1.204 χ²/NDF:11069143.0/58
All: 9779.279+/-0.858 χ²/NDF: 21372371.9/1

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.473+/-1.324 χ^2/NDF: 18.7/30

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -3.464+/-1.327 χ^2/NDF: 34.8/33

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

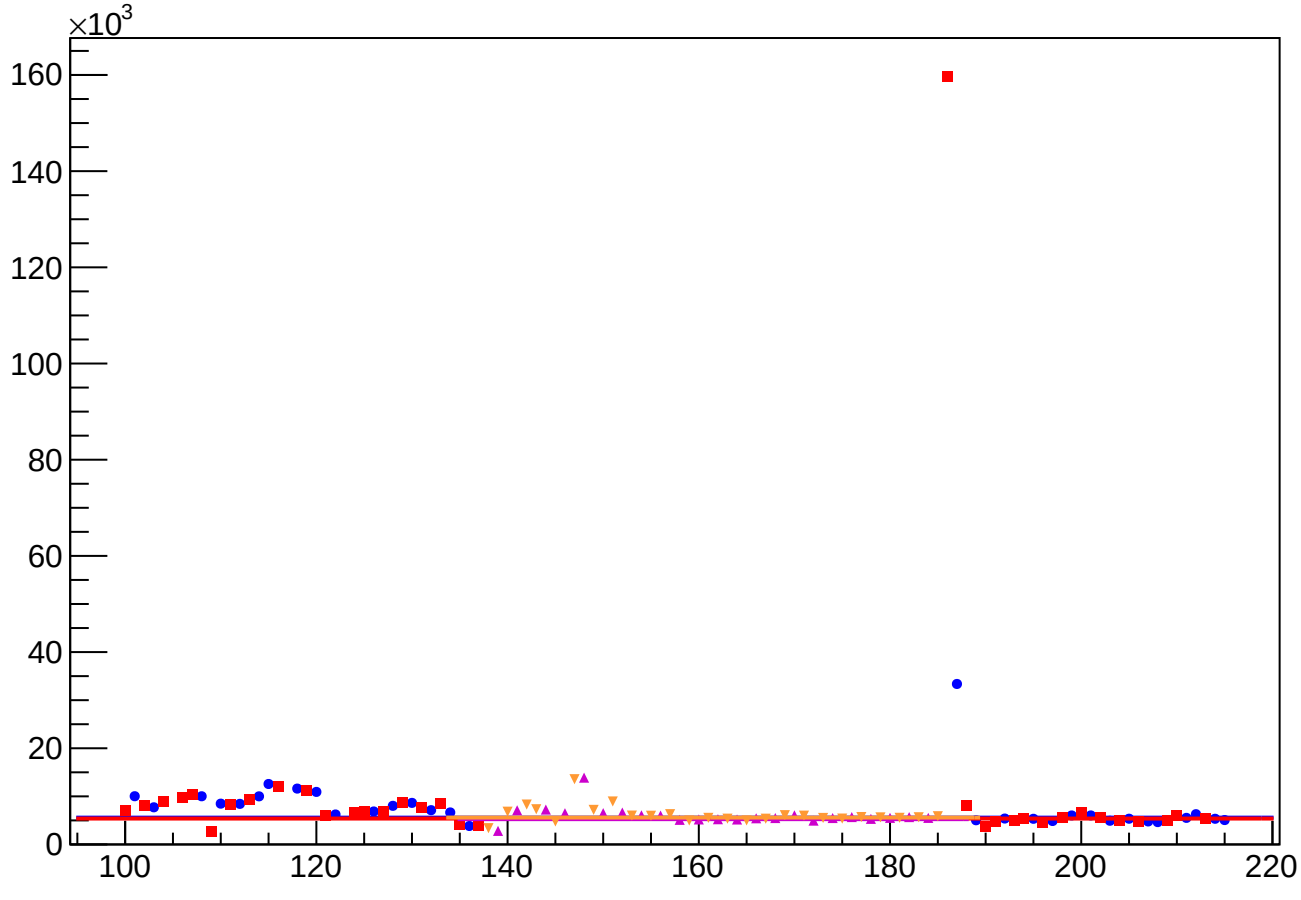
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -0.990+/-0.937 χ^2/NDF: 60.4/64

In: 0.354+/-0.924 χ^2/NDF:50.0/53

Out: -1.548+/-0.936 χ^2/NDF:60.5/58

All: -0.585+/-0.658 χ^2/NDF: 112.5/112



Right In: 5576.470+/-0.936 χ^2/NDF: 2478912.4/30

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5386.209+/-0.938 χ^2/NDF: 3815434.9/33

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

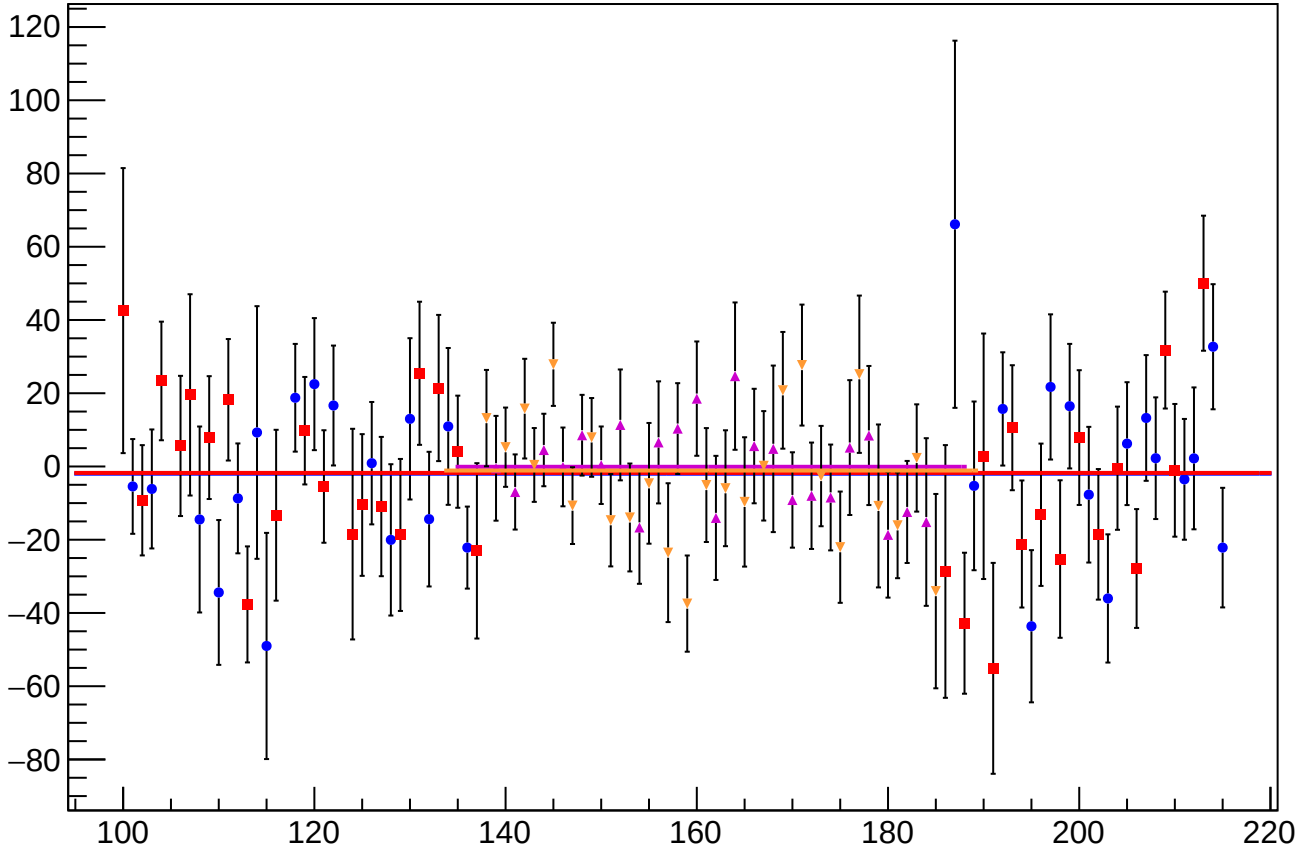
Right: 5481.533+/-0.663 χ^2/NDF: 6314949.5/64

In: 5415.654+/-0.654 χ^2/NDF:4962060.2/53

Out: 5490.771+/-0.662 χ^2/NDF:5624434.5/58

All: 5452.731+/-0.465 χ^2/NDF: 10593012.5/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -1.965+/-3.198 χ^2/NDF: 36.6/30

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -1.758+/-3.236 χ^2/NDF: 46.2/33

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

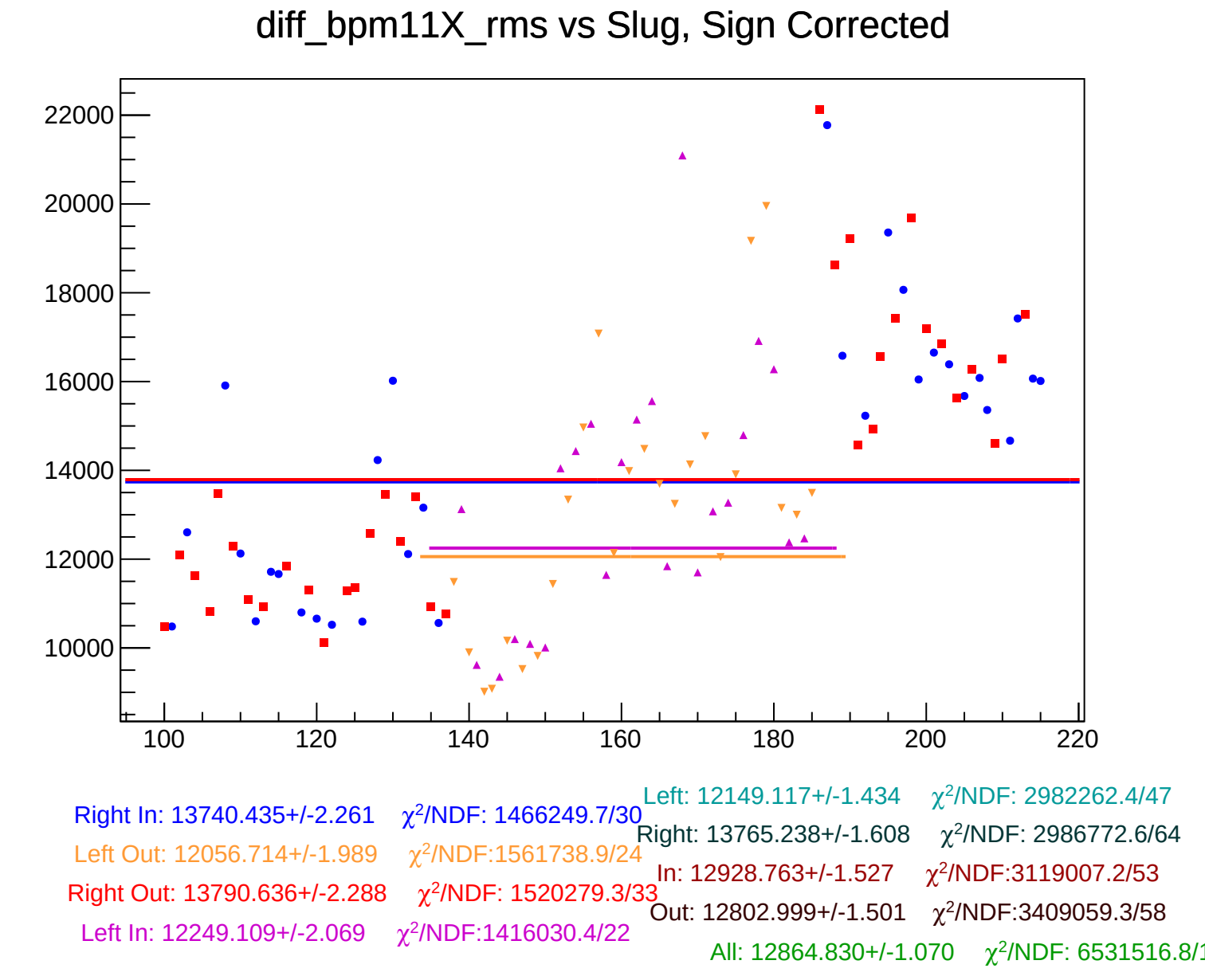
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -1.862+/-2.275 χ^2/NDF: 82.8/64

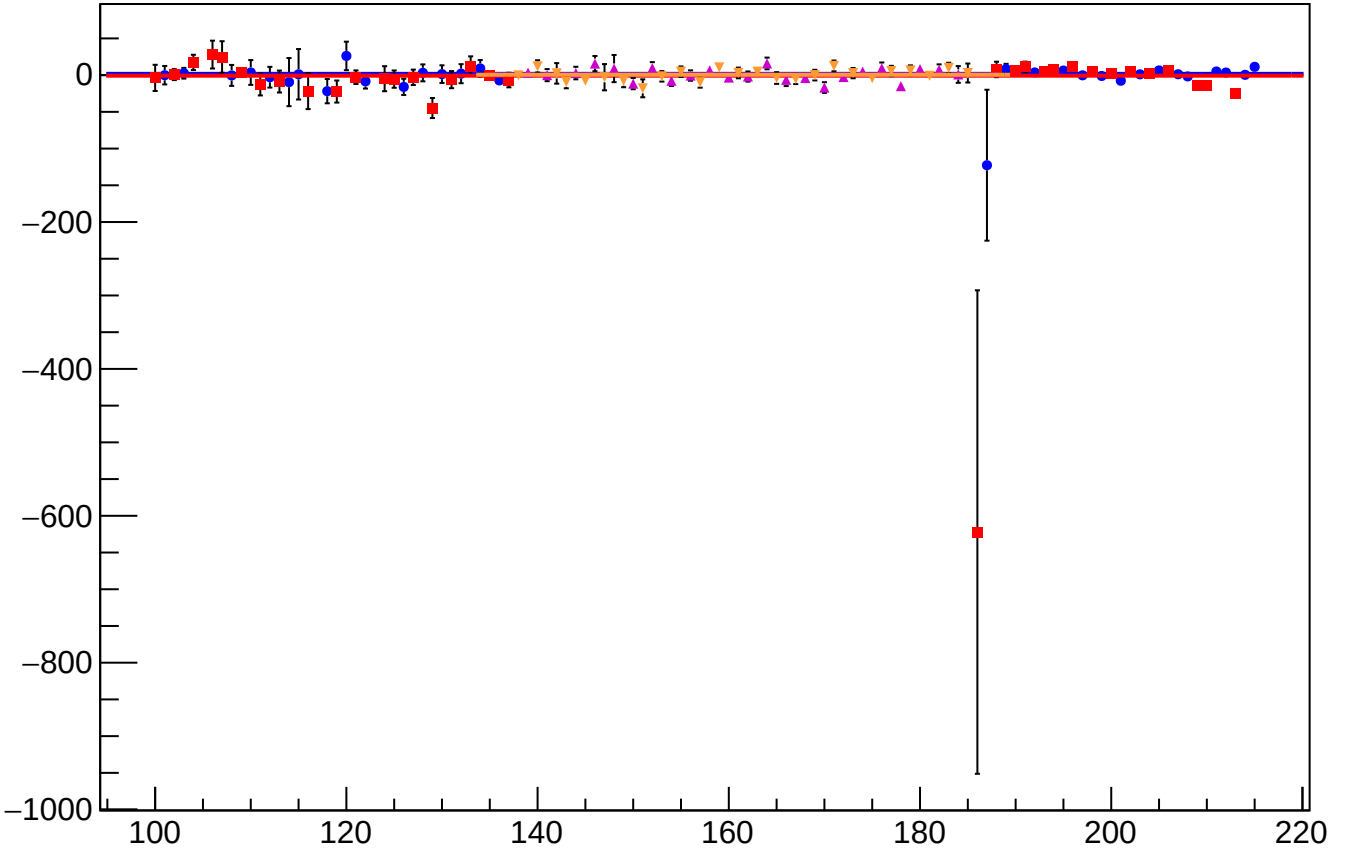
In: -0.941+/-2.159 χ^2/NDF:48.3/53

Out: -1.389+/-2.123 χ^2/NDF:80.0/58

All: -1.169+/-1.514 χ^2/NDF: 128.3/112


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
220
Right In: 13740.435+/-2.261 χ²/NDF: 1466249.7/30
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13790.636+/-2.288 χ²/NDF: 1520279.3/33
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13765.238+/-1.608 χ²/NDF: 2986772.6/64
In: 12928.763+/-1.527 χ²/NDF:3119007.2/53
Out: 12802.999+/-1.501 χ²/NDF:3409059.3/58
All: 12864.830+/-1.070 χ²/NDF: 6531516.8/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 1.745+/-1.098 χ^2/NDF: 26.6/30

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -0.753+/-1.133 χ^2/NDF: 100.3/33

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

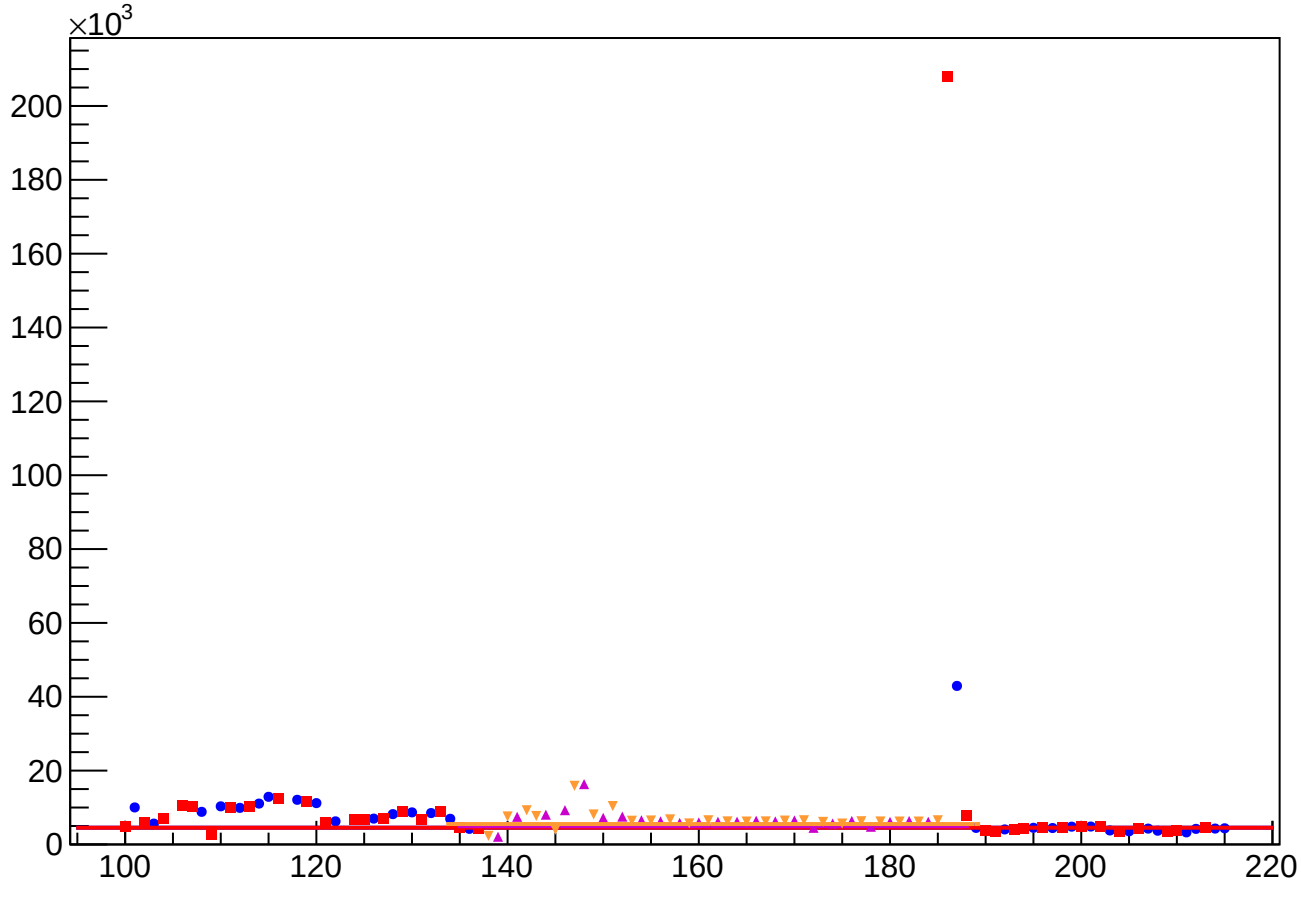
Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

Right: 0.535+/-0.788 χ^2/NDF: 129.4/64

In: 1.411+/-0.837 χ^2/NDF:59.0/53

Out: -0.233+/-0.873 χ^2/NDF:122.3/58

All: 0.623+/-0.604 χ^2/NDF: 183.1/112



Right In: 4533.178+/-0.776 χ^2/NDF: 3725797.1/30

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4532.211+/-0.801 χ^2/NDF: 4227343.2/33

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

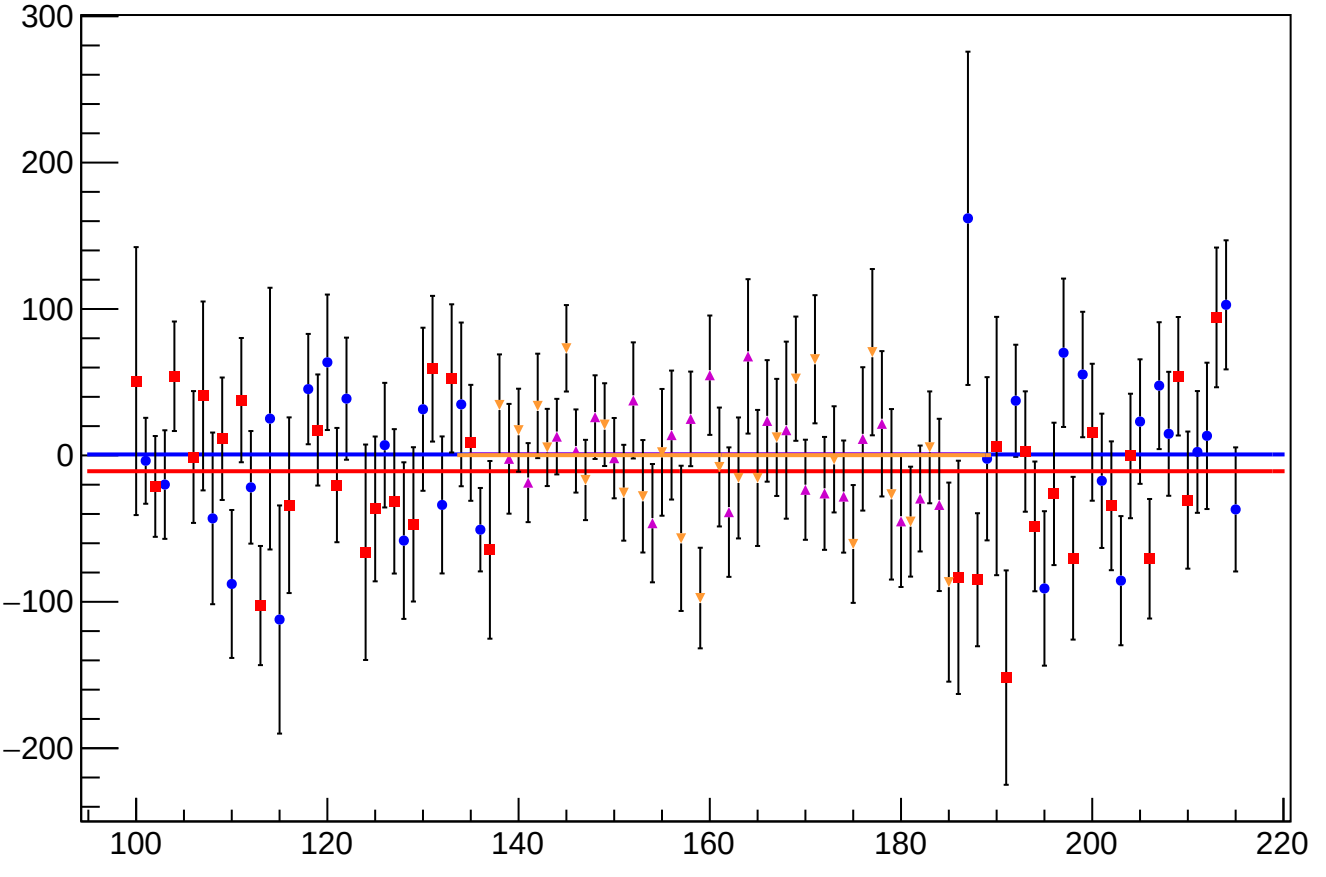
Right: 4532.710+/-0.557 χ^2/NDF: 7953141.1/64

In: 4704.225+/-0.592 χ^2/NDF:9777952.9/53

Out: 4936.914+/-0.617 χ^2/NDF:9231386.7/58

All: 4815.757+/-0.427 χ^2/NDF: 19083392.5/1

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: 0.663+/-8.013 χ^2/NDF: 37.5/30

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -10.804+/-8.091 χ^2/NDF: 37.4/33

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

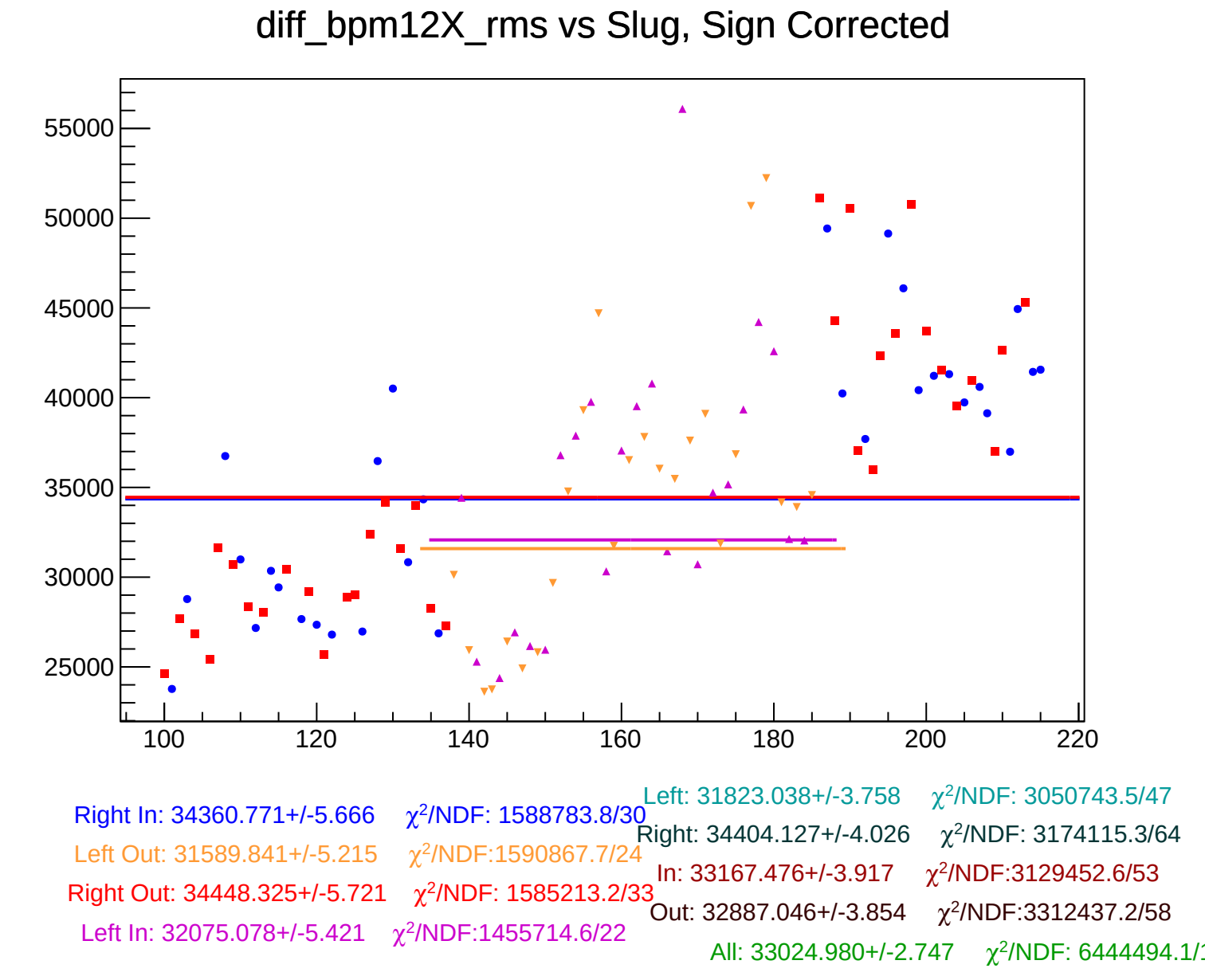
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -5.015+/-5.693 χ^2/NDF: 75.9/64

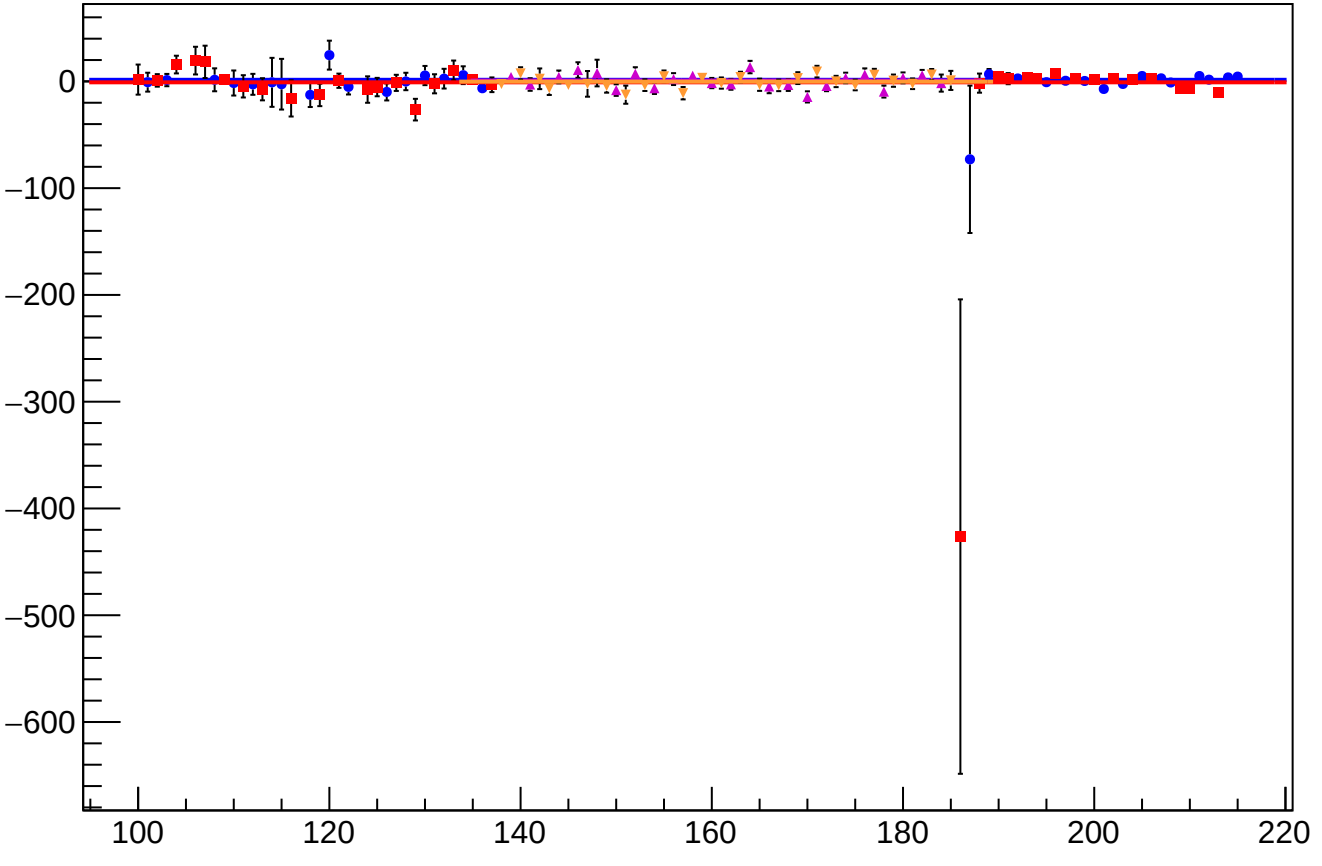
In: 0.623+/-5.540 χ^2/NDF:50.3/53

Out: -4.811+/-5.450 χ^2/NDF:69.6/58

All: -2.138+/-3.885 χ^2/NDF: 120.3/112


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34360.771+/-5.666 χ²/NDF: 1588783.8/30
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 34448.325+/-5.721 χ²/NDF: 1585213.2/33
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34404.127+/-4.026 χ²/NDF: 3174115.3/64
In: 33167.476+/-3.917 χ²/NDF:3129452.6/53
Out: 32887.046+/-3.854 χ²/NDF:3312437.2/58
All: 33024.980+/-2.747 χ²/NDF: 6444494.1/

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.481+/-0.634 χ^2/NDF: 37.0/30

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -0.872+/-0.701 χ^2/NDF: 76.3/33

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

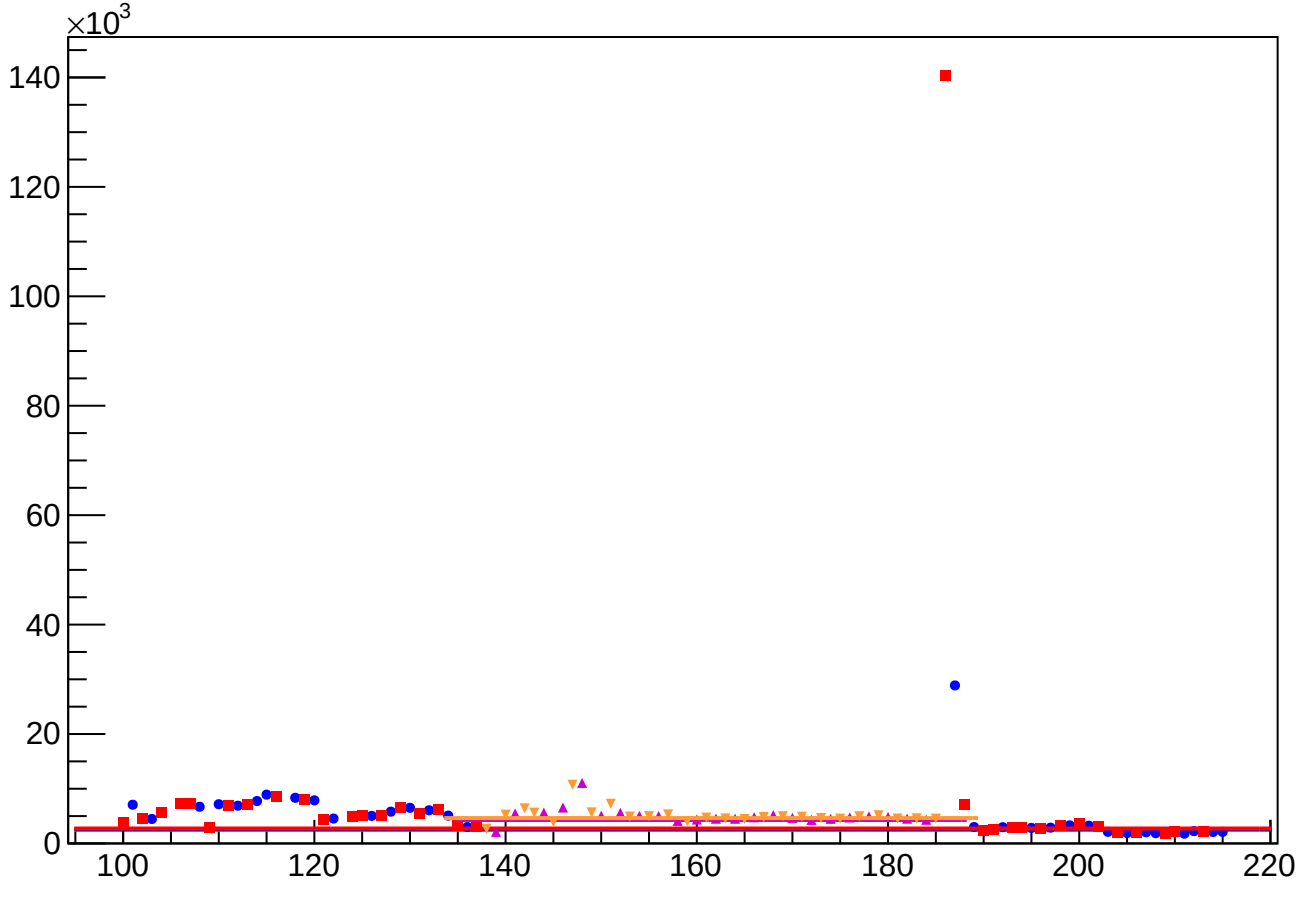
Right: 0.421+/-0.470 χ^2/NDF: 119.5/64

In: 1.298+/-0.544 χ^2/NDF:71.0/53

Out: -0.684+/-0.590 χ^2/NDF:96.5/58

All: 0.387+/-0.400 χ^2/NDF: 173.6/112

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 2531.613+/-0.449 χ^2/NDF: 6010723.7/30

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2732.662+/-0.496 χ^2/NDF: 6255246.0/33

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

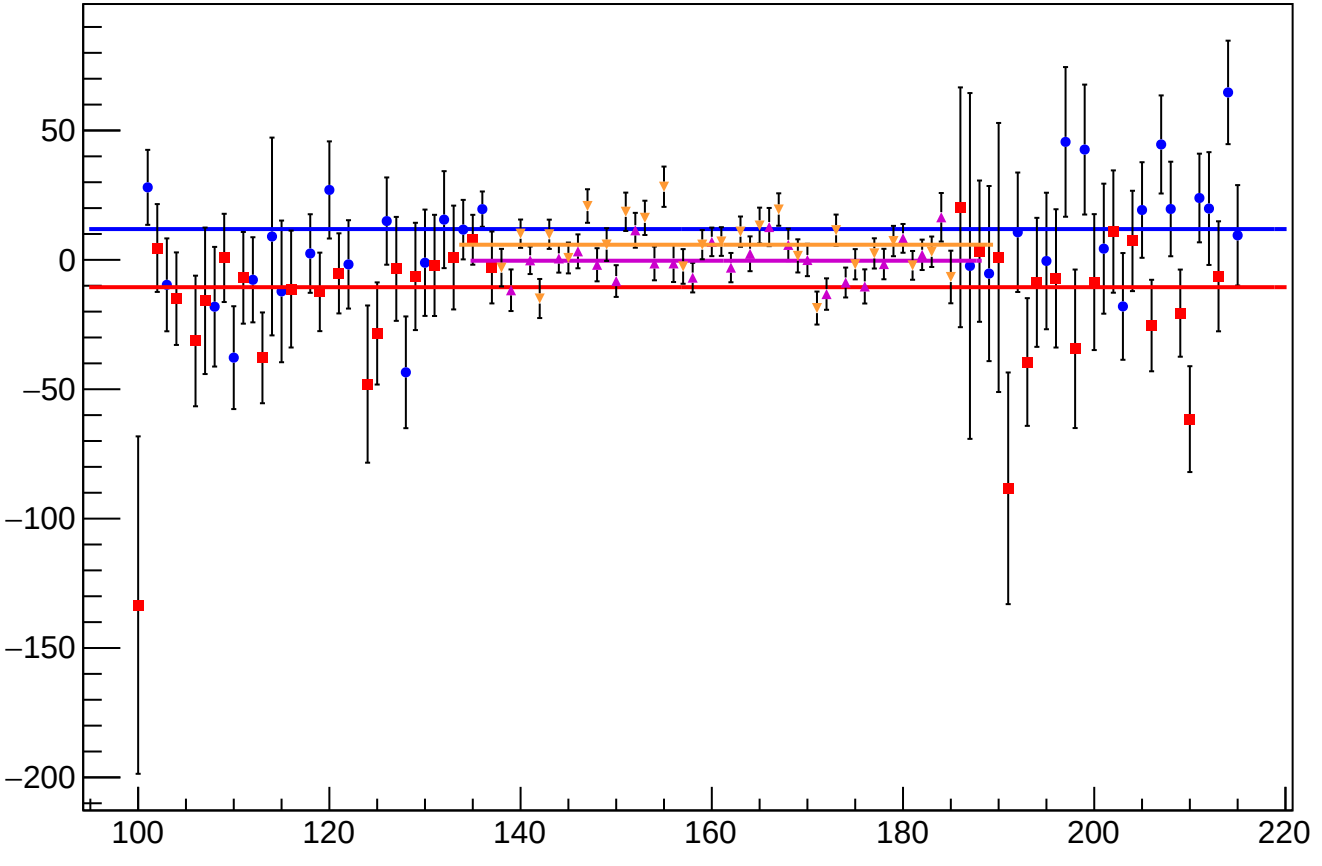
Right: 2622.154+/-0.333 χ^2/NDF: 12356440.3/64

In: 2996.235+/-0.385 χ^2/NDF:13178507.2/53

Out: 3286.940+/-0.417 χ^2/NDF:12317370.2/58

All: 3129.897+/-0.283 χ^2/NDF: 25758076.3/1

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 11.896+/-3.178 χ^2/NDF: 39.3/30

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -10.559+/-3.427 χ^2/NDF: 29.9/33

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

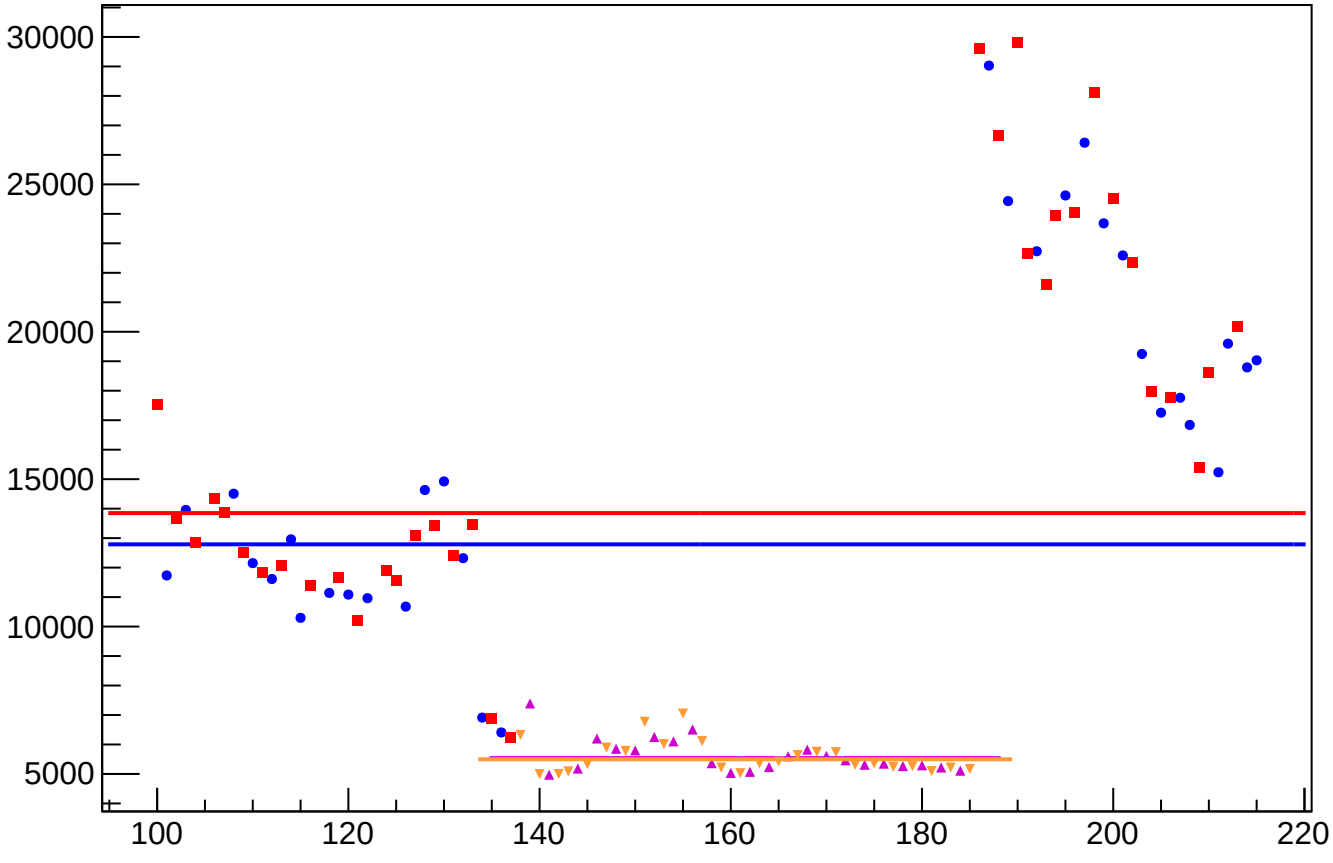
Right: 1.516+/-2.330 χ^2/NDF: 92.3/64

In: 1.419+/-1.204 χ^2/NDF:81.4/53

Out: 3.902+/-1.180 χ^2/NDF:110.1/58

All: 2.685+/-0.843 χ^2/NDF: 193.6/112

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 12789.483+/-2.247 χ^2/NDF: 5888742.9/30

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13849.486+/-2.423 χ^2/NDF: 5210921.7/33

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

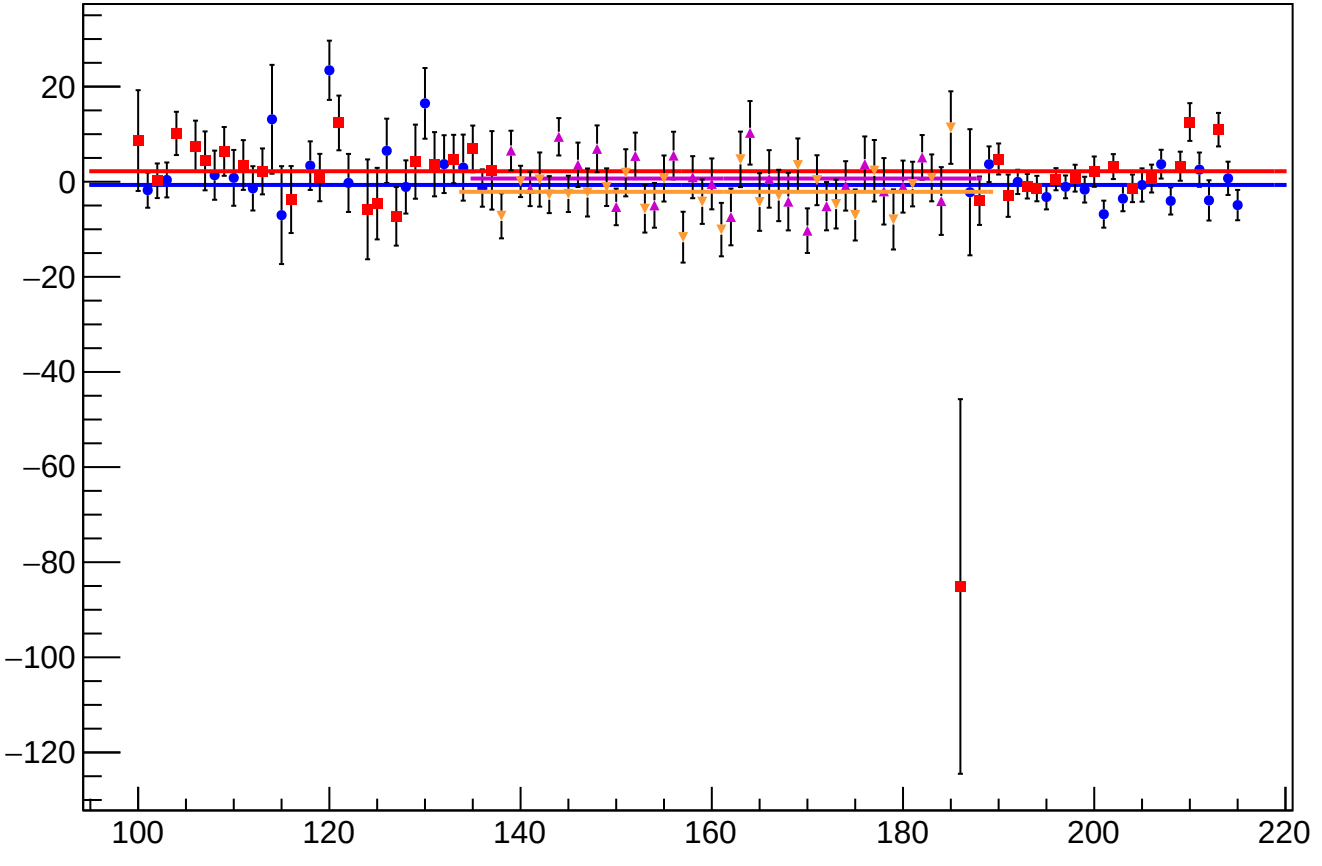
Right: 13279.462+/-1.648 χ^2/NDF: 11202546.4/64

In: 6578.620+/-0.851 χ^2/NDF:15114463.8/53

Out: 6489.852+/-0.835 χ^2/NDF:15972585.1/58

All: 6533.367+/-0.596 χ^2/NDF: 31092592.7/

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.674+/-0.685 χ^2/NDF: 40.3/30

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 2.205+/-0.690 χ^2/NDF: 42.0/33

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

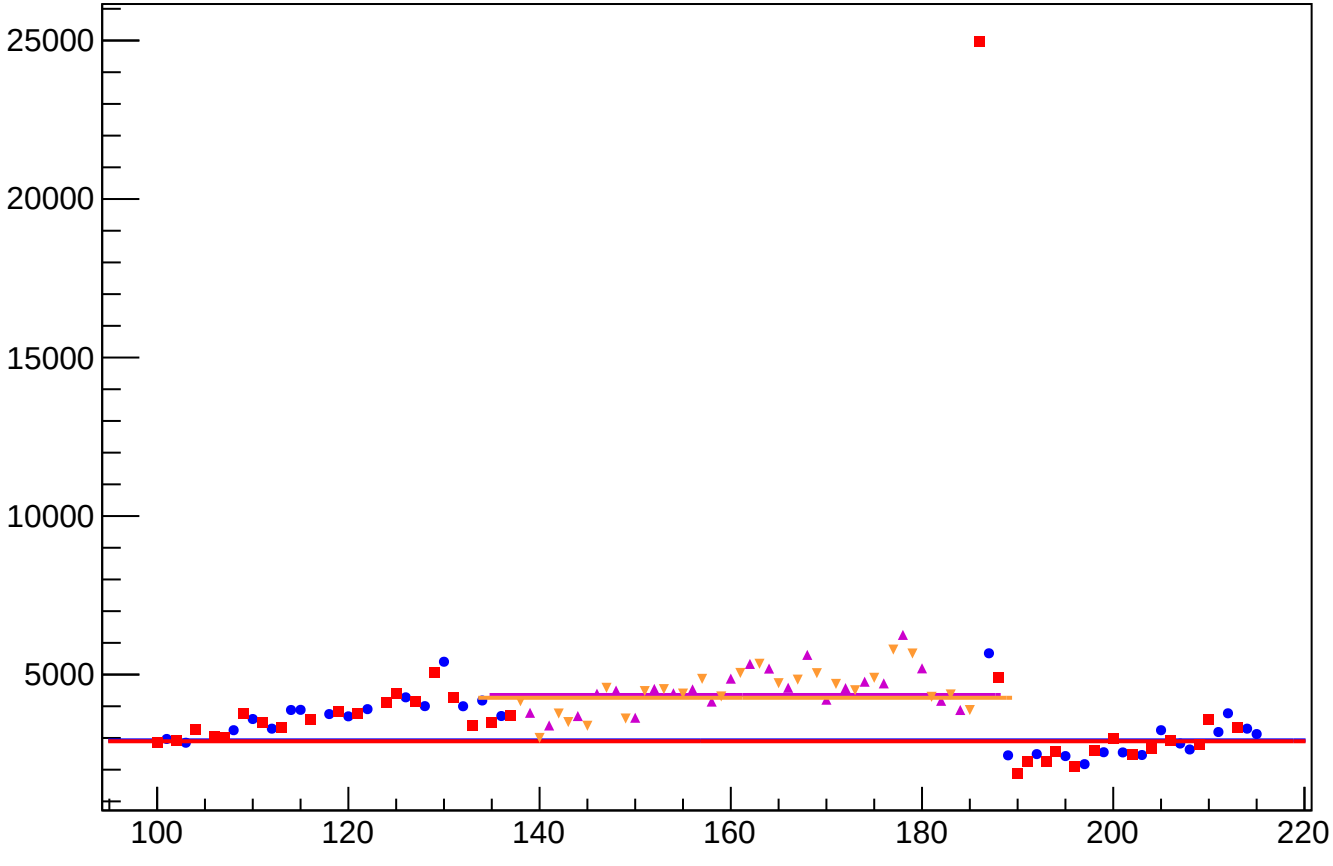
Right: 0.755+/-0.486 χ^2/NDF: 91.1/64

In: -0.263+/-0.570 χ^2/NDF:69.9/53

Out: 0.788+/-0.565 χ^2/NDF:72.4/58

All: 0.267+/-0.402 χ^2/NDF: 143.9/112

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2924.618+/-0.484 χ^2/NDF: 1535699.0/30

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2895.929+/-0.488 χ^2/NDF: 2514256.3/33

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

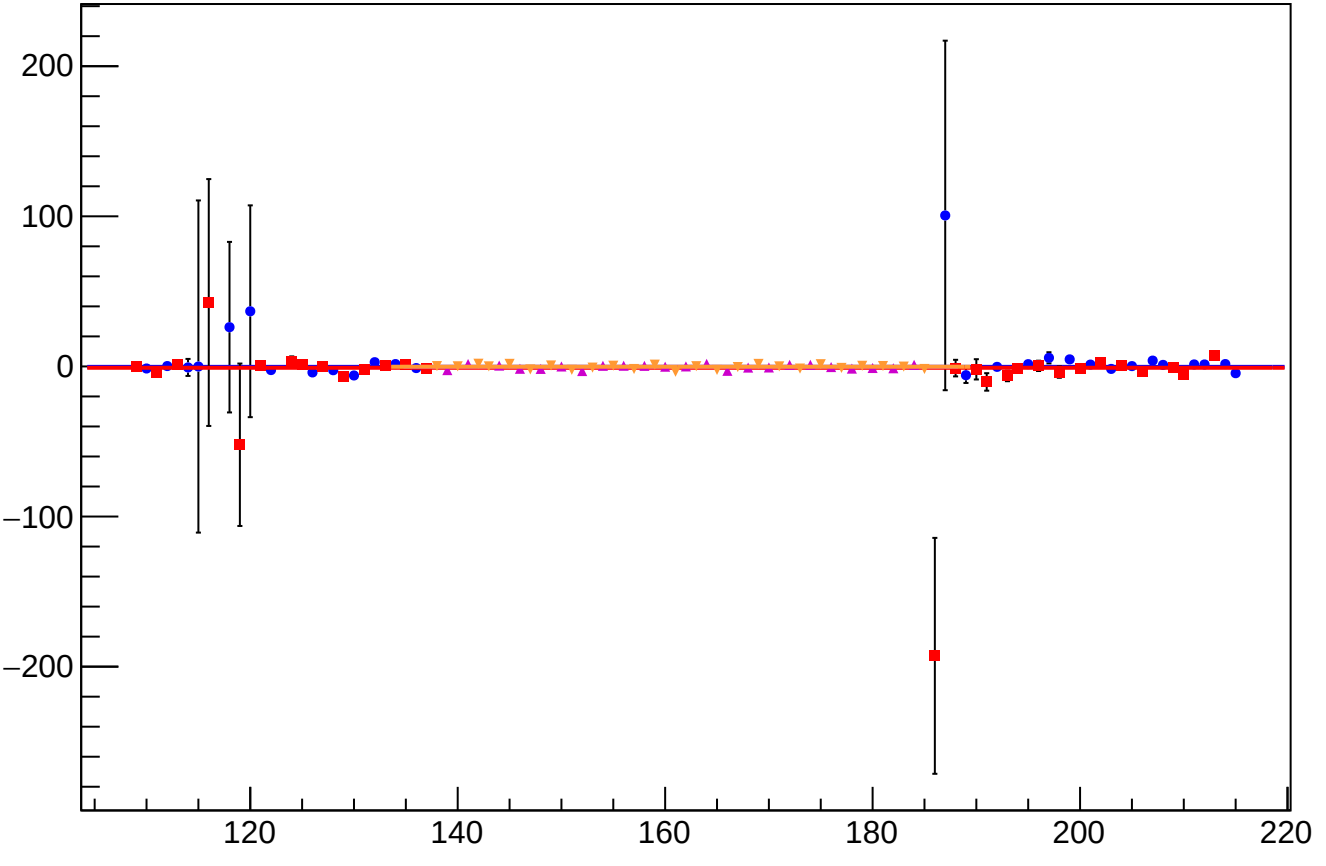
Right: 2910.380+/-0.344 χ^2/NDF: 4051697.7/64

In: 3362.767+/-0.403 χ^2/NDF:4953734.7/53

Out: 3345.893+/-0.400 χ^2/NDF:6143231.6/58

All: 3354.257+/-0.284 χ^2/NDF: 11097849.1/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.295+/-0.504 χ^2/NDF: 31.6/27

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.894+/-0.528 χ^2/NDF: 42.5/28

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

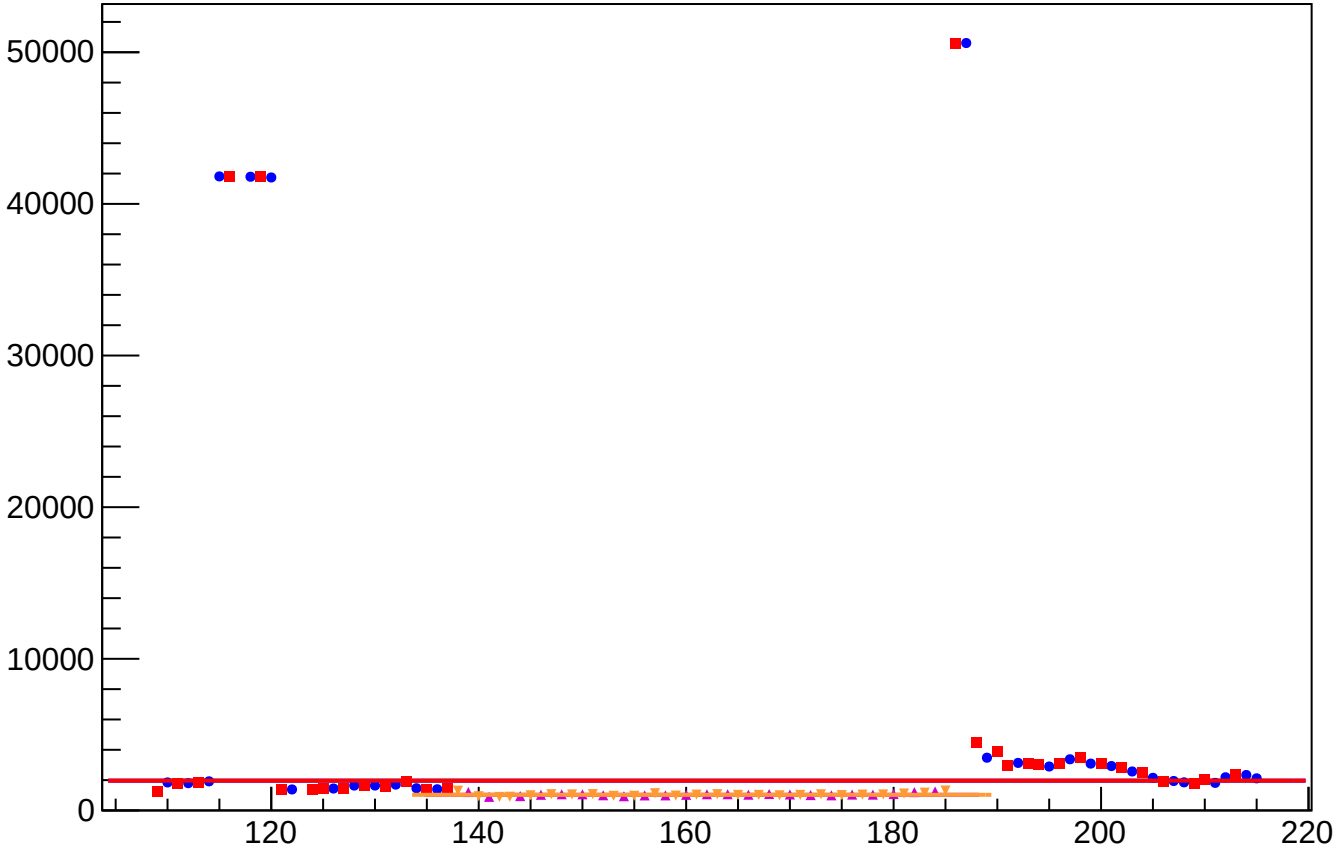
Right: -0.580+/-0.364 χ^2/NDF: 74.7/56

In: -0.326+/-0.218 χ^2/NDF:61.0/50

Out: -0.316+/-0.215 χ^2/NDF:77.8/53

All: -0.321+/-0.153 χ^2/NDF: 138.9/104

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1964.800+/-0.356 χ^2/NDF: 4478137.3/27

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1967.431+/-0.373 χ^2/NDF: 5423074.3/28

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

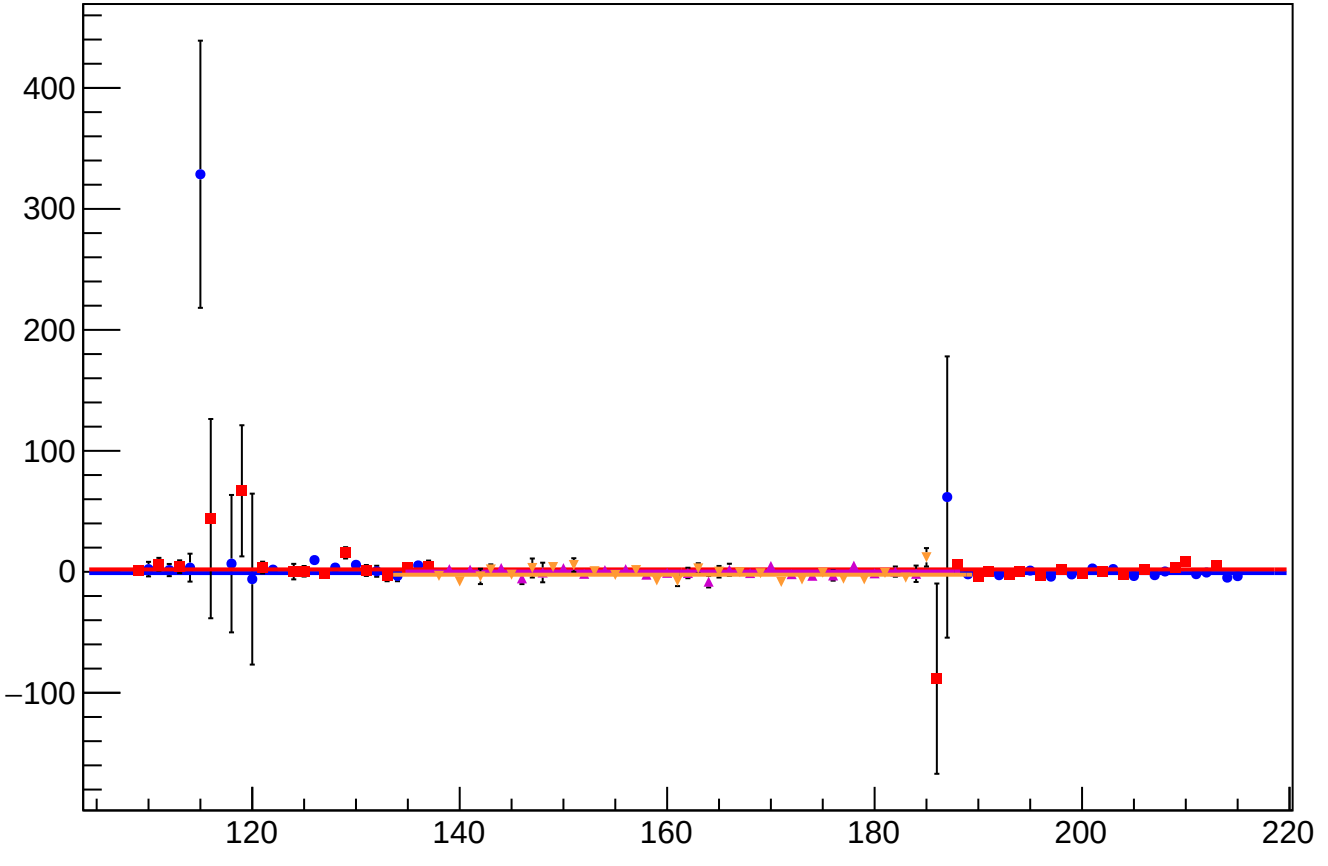
Right: 1966.053+/-0.258 χ^2/NDF: 9901237.6/56

In: 1207.783+/-0.154 χ^2/NDF:10230580.4/50

Out: 1186.683+/-0.152 χ^2/NDF:10905813.7/53

All: 1197.080+/-0.108 χ^2/NDF: 21145877.8/1

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: -1.046+/-0.426 χ^2/NDF: 55.5/27

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 1.993+/-0.469 χ^2/NDF: 65.3/28

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

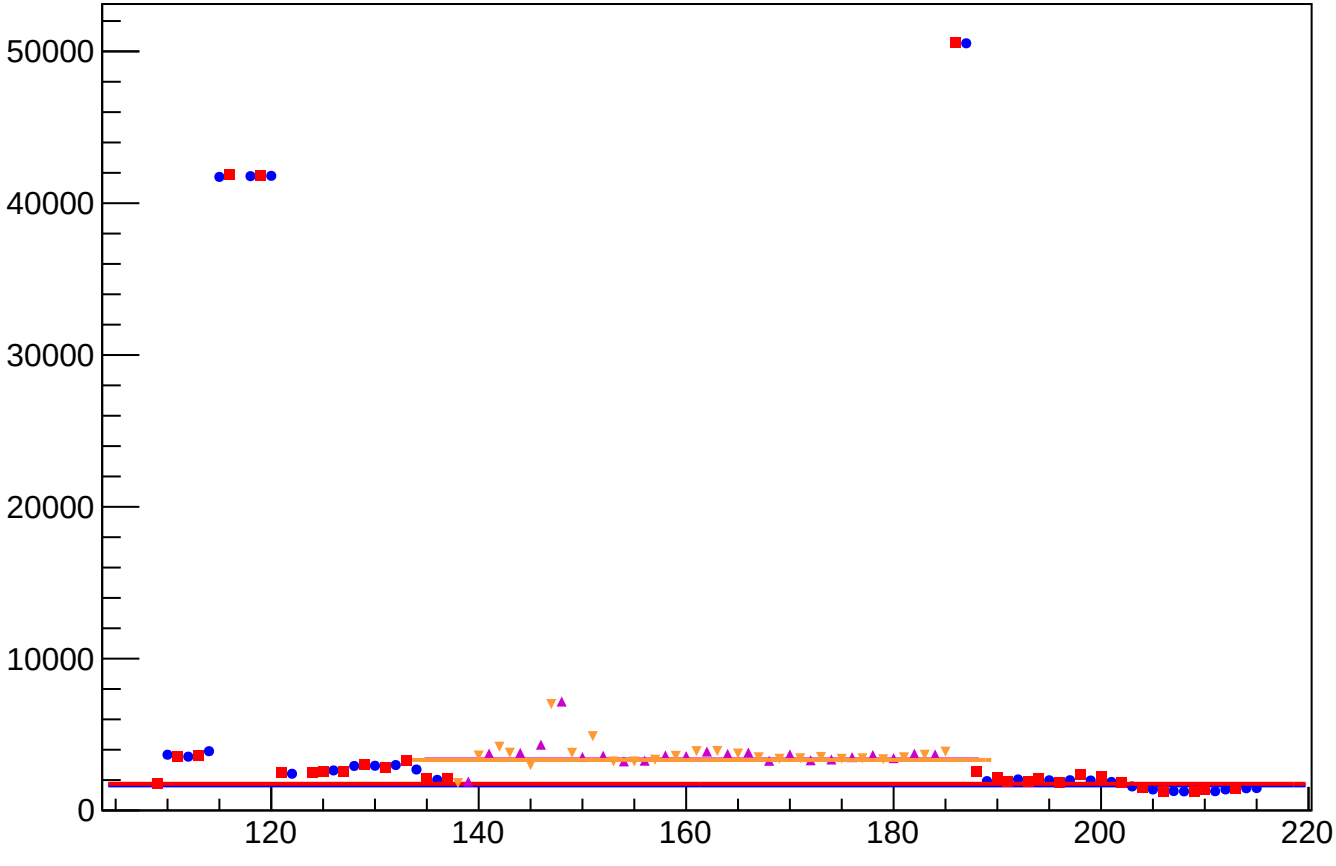
Right: 0.327+/-0.315 χ^2/NDF: 143.8/56

In: -0.782+/-0.377 χ^2/NDF:70.0/50

Out: 0.836+/-0.402 χ^2/NDF:112.6/53

All: -0.026+/-0.275 χ^2/NDF: 191.2/104

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 1651.610+/-0.301 χ^2/NDF: 4689078.7/27

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1757.100+/-0.332 χ^2/NDF: 4749258.2/28

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

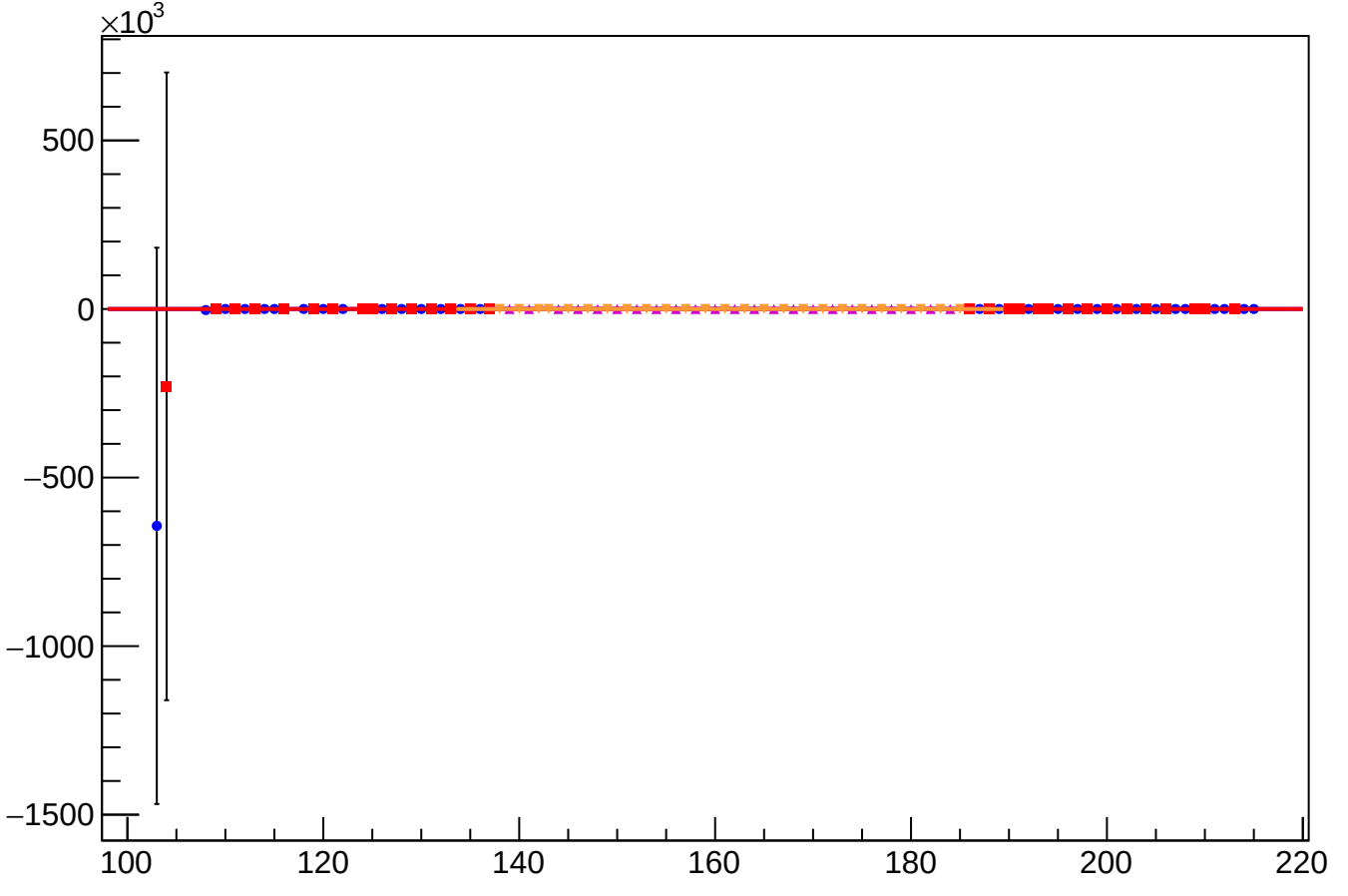
Right: 1699.253+/-0.223 χ^2/NDF: 9493774.3/56

In: 2021.959+/-0.266 χ^2/NDF:13320725.6/50

Out: 2172.923+/-0.285 χ^2/NDF:12600056.2/53

All: 2092.509+/-0.194 χ^2/NDF: 26070758.7/1

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -2.060+/-0.542 χ^2/NDF: 40.4/29

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.329+/-0.565 χ^2/NDF: 33.4/29

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

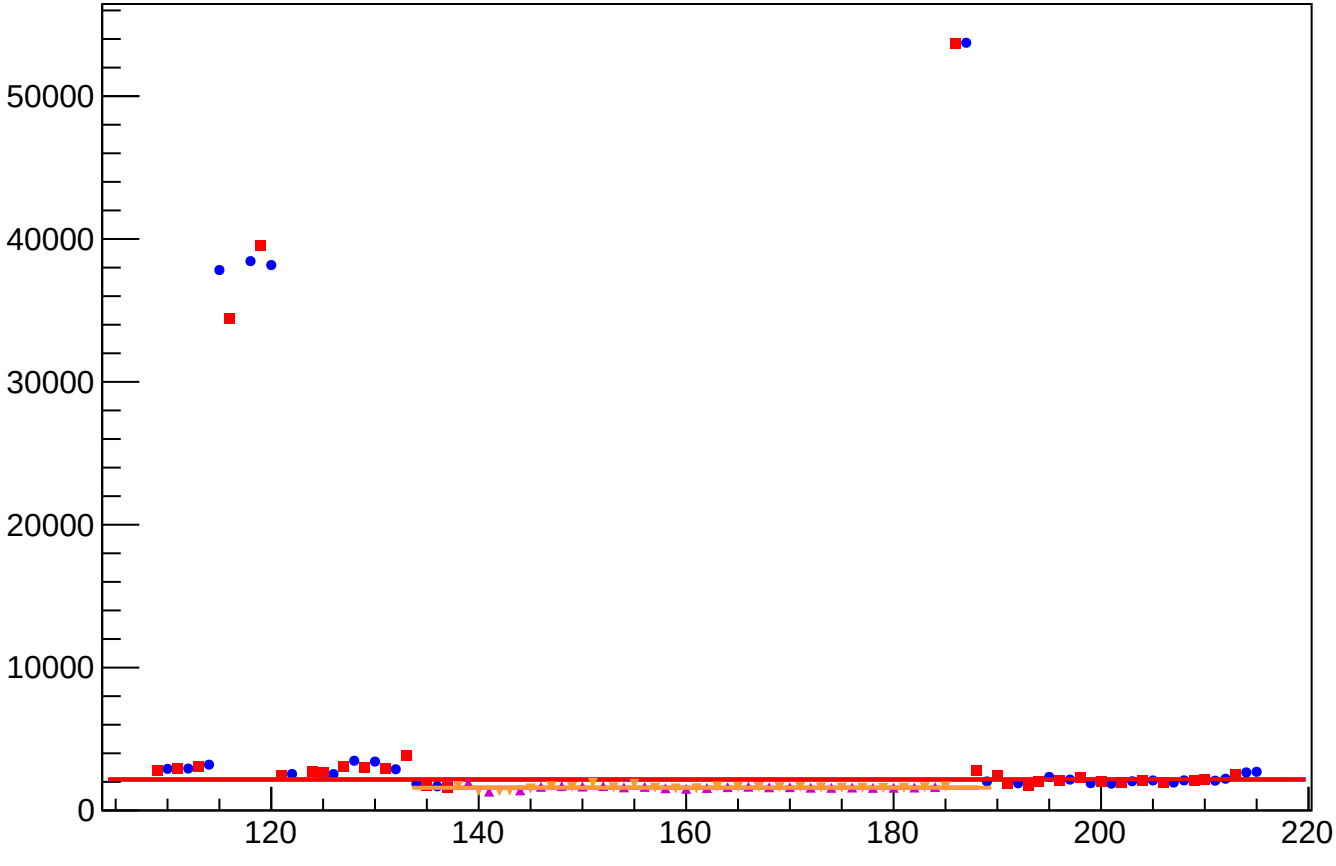
Right: 0.045+/-0.391 χ^2/NDF: 105.1/59

In: -0.677+/-0.308 χ^2/NDF:77.3/52

Out: -0.433+/-0.305 χ^2/NDF:117.4/54

All: -0.554+/-0.217 χ^2/NDF: 195.0/107

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2156.048+/-0.384 χ^2/NDF: 3140015.8/27

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2189.201+/-0.400 χ^2/NDF: 3286365.0/28

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

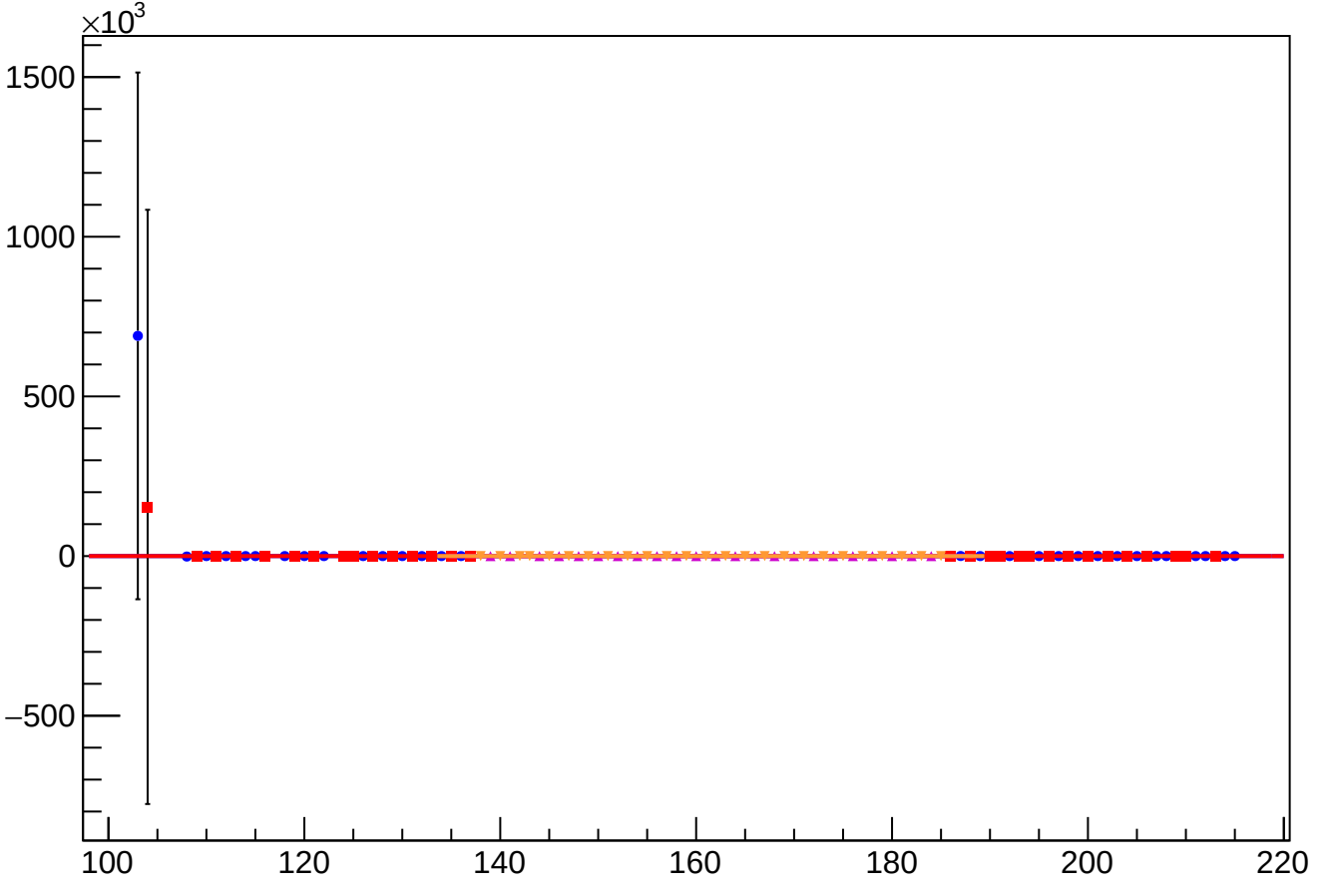
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2171.946+/-0.277 χ^2/NDF: 6429963.9/56

In: 1776.884+/-0.218 χ^2/NDF:4779978.5/50

Out: 1764.610+/-0.216 χ^2/NDF:5113769.3/53

All: 1770.691+/-0.153 χ^2/NDF: 9895348.9/10



Right In: -0.262+/-0.363 χ^2/NDF: 28.7/29

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.641+/-0.400 χ^2/NDF: 36.1/29

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

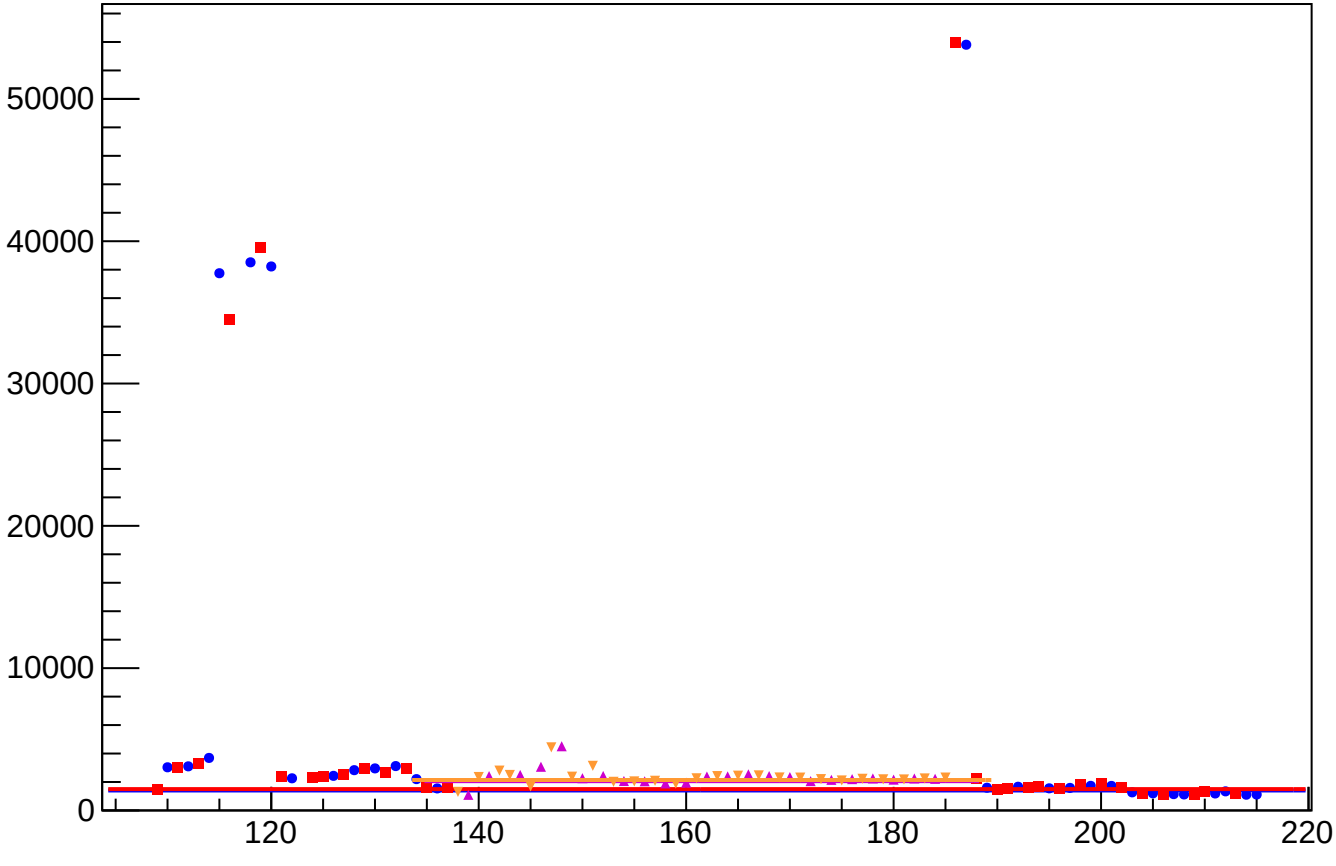
Right: 0.145+/-0.269 χ^2/NDF: 67.6/59

In: -0.215+/-0.294 χ^2/NDF:45.7/52

Out: -0.066+/-0.313 χ^2/NDF:68.5/54

All: -0.145+/-0.214 χ^2/NDF: 114.3/107

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1404.367+/-0.257 χ^2/NDF: 4828155.7/27

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1500.088+/-0.283 χ^2/NDF: 4742616.6/28

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

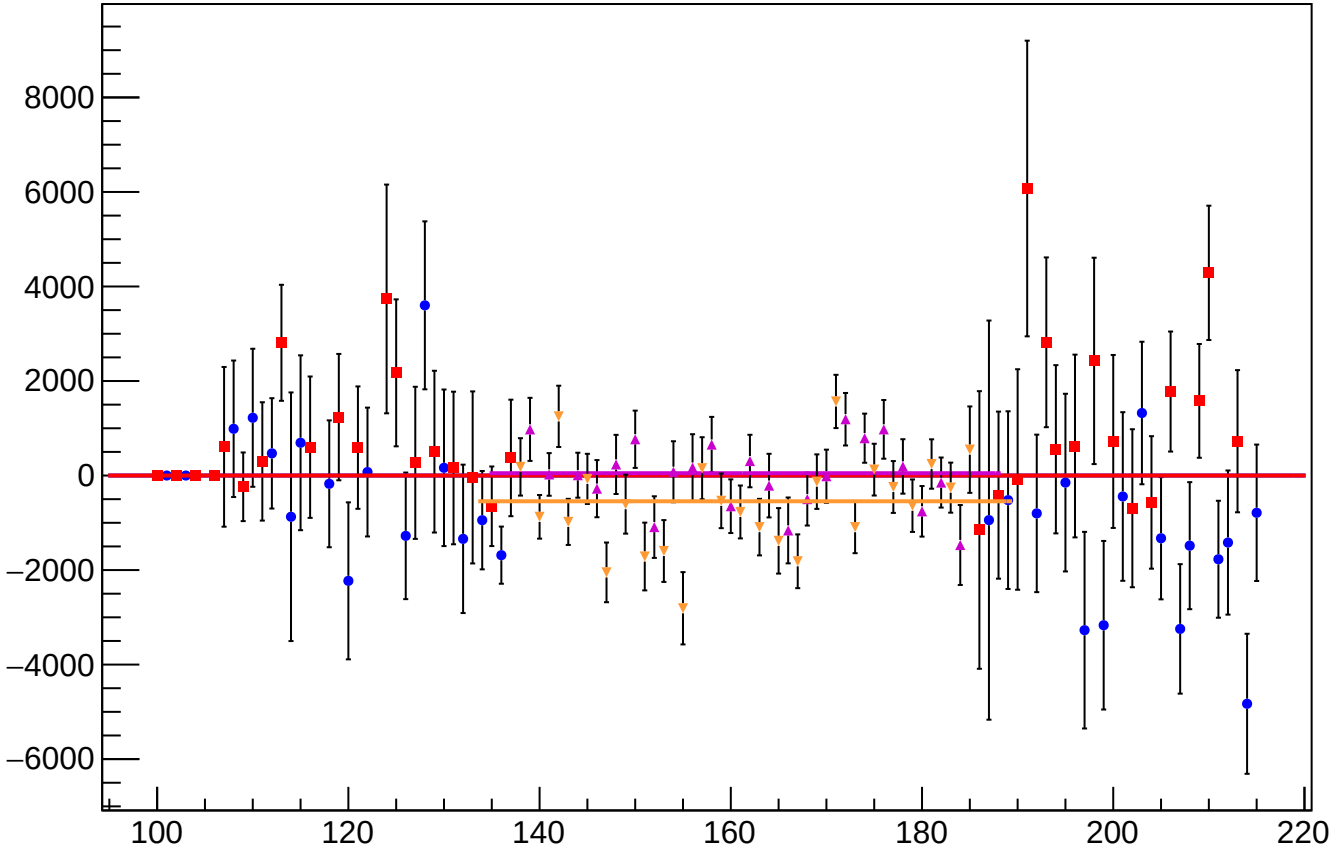
Right: 1447.527+/-0.190 χ^2/NDF: 9633509.9/56

In: 1629.232+/-0.208 χ^2/NDF:9354520.4/50

Out: 1748.386+/-0.221 χ^2/NDF:8201618.5/53

All: 1685.040+/-0.152 χ^2/NDF: 17710054.0/

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.254+/-0.356 χ^2/NDF: 46.3/30

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.095+/-0.328 χ^2/NDF: 36.8/33

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

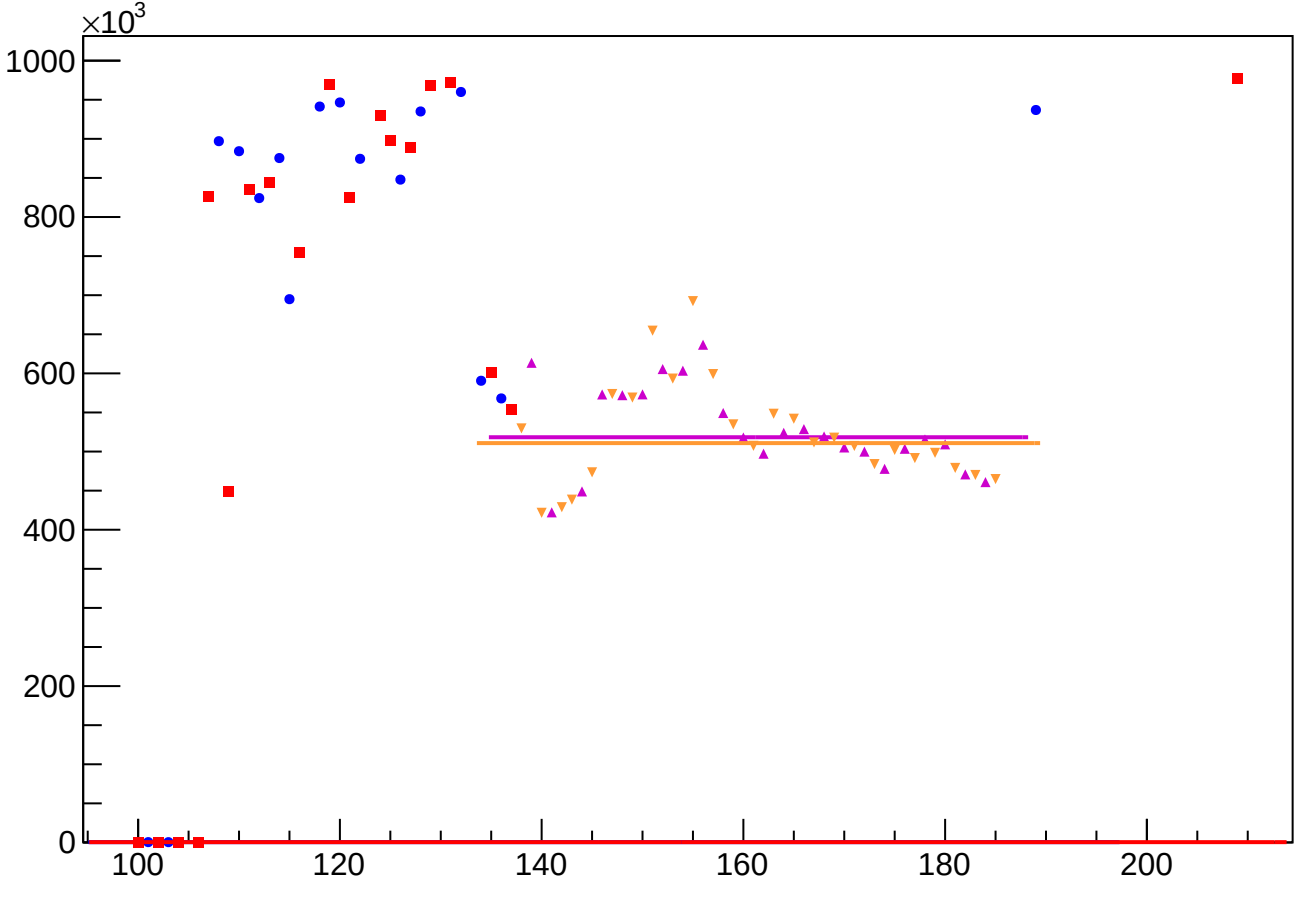
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 83.6/64

In: 0.255+/-0.356 χ^2/NDF:74.4/53

Out: -0.099+/-0.328 χ^2/NDF:119.3/58

All: 0.063+/-0.241 χ^2/NDF: 194.2/112



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

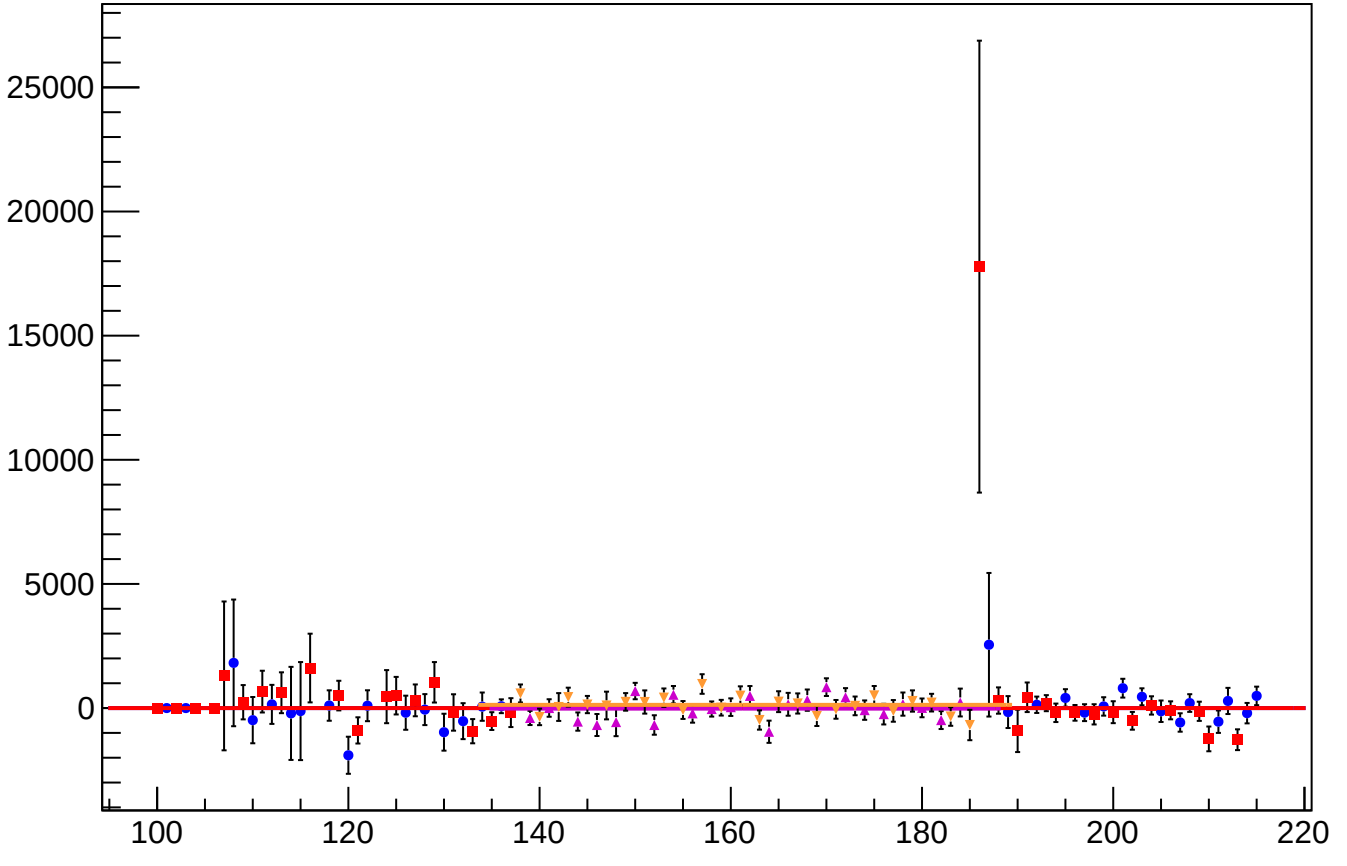
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

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: 26.0/30

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.601+/-0.324 χ^2/NDF: 40.1/33

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

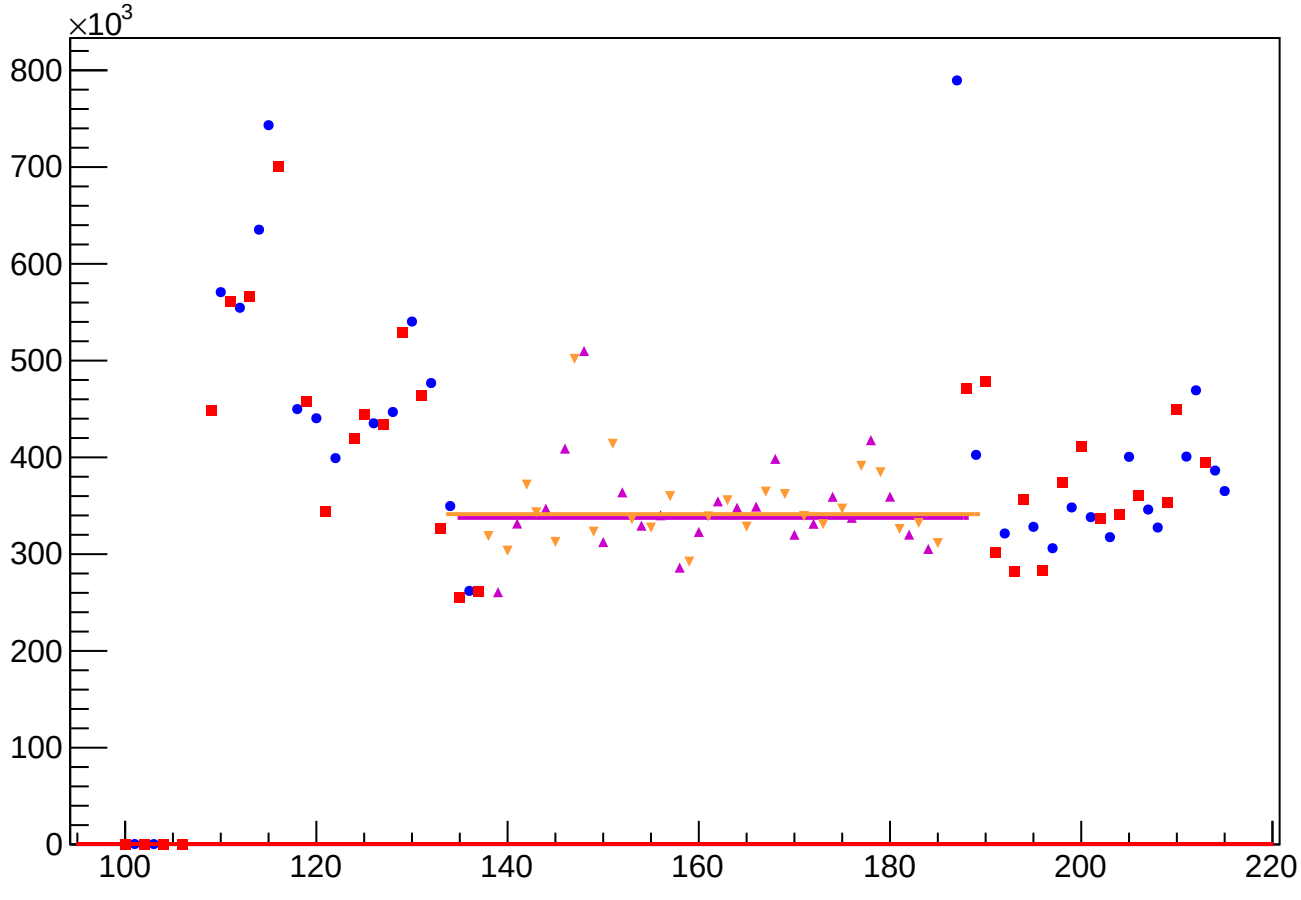
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 67.6/64

In: -0.020+/-0.347 χ^2/NDF:59.7/53

Out: -0.599+/-0.324 χ^2/NDF:63.0/58

All: -0.329+/-0.237 χ^2/NDF: 124.2/112



Right In: 394.202+/-0.245 χ^2/NDF: 34208231.2/29

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 391.119+/-0.229 χ^2/NDF: 32630603.8/31

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

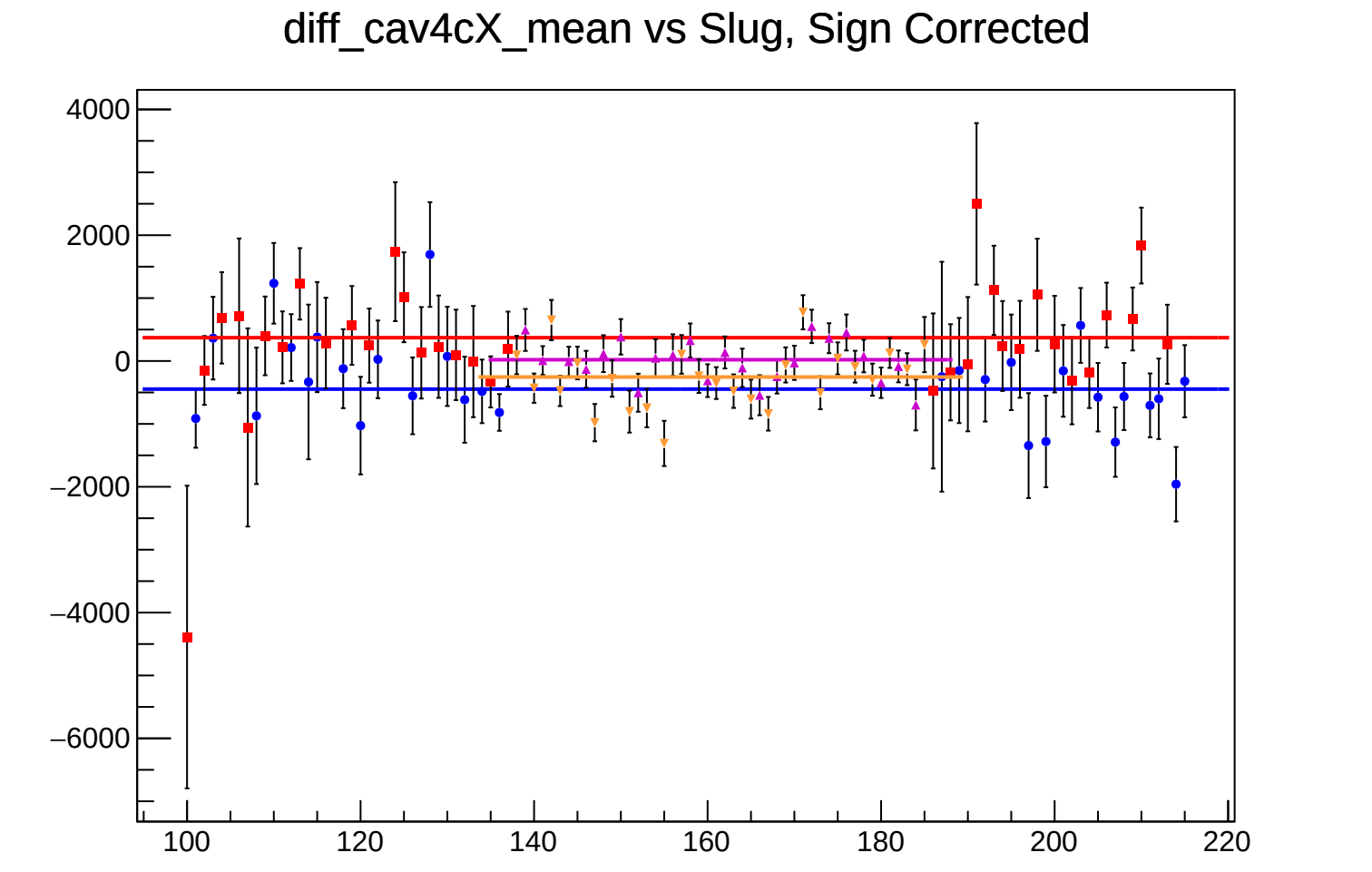
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

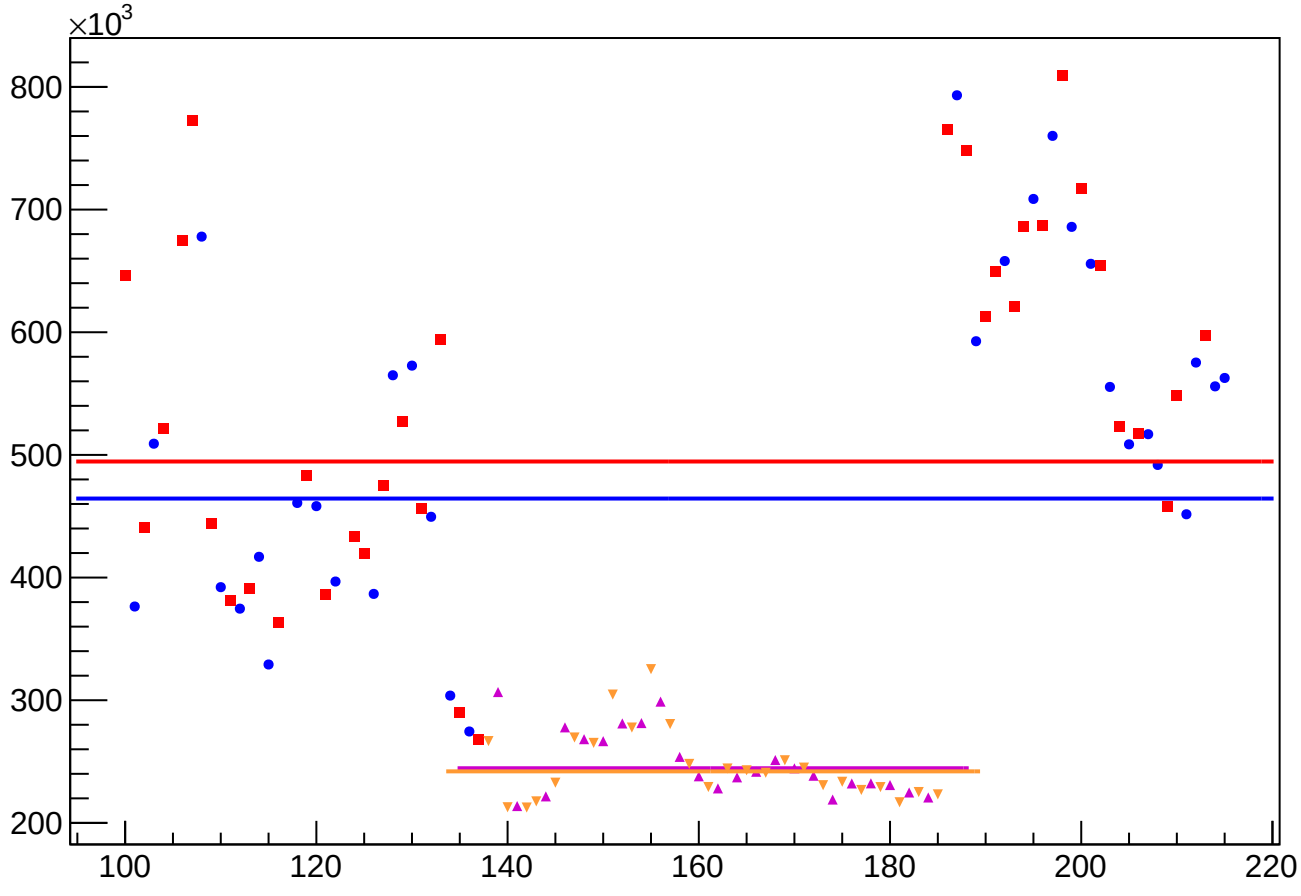
Right: 392.553+/-0.167 χ^2/NDF: 66838919.4/61

In: 400.585+/-0.245 χ^2/NDF:70526019.8/52

Out: 396.957+/-0.229 χ^2/NDF:71001423.6/56

All: 398.645+/-0.167 χ^2/NDF: 141527560.2/1


diff_cav4cX_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -446.801+/-110.319 χ²/NDF: 37.5/30
Left Out: -254.371+/-55.417 χ²/NDF:61.3/24
Right Out: 370.791+/-118.268 χ²/NDF: 28.7/33
Left In: 20.176+/-57.484 χ²/NDF:28.6/22
Left: -122.121+/-39.897 χ²/NDF: 101.7/47
Right: -66.401+/-80.672 χ²/NDF: 91.8/64
In: -79.540+/-50.978 χ²/NDF:80.2/53
Out: -141.821+/-50.182 χ²/NDF:112.9/58
All: -111.171+/-35.762 χ²/NDF: 193.9/112



Right In: 464420.321+/-78.020 χ^2/NDF: 2773132.6/30

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 494623.276+/-83.714 χ^2/NDF: 2582623.7/33

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

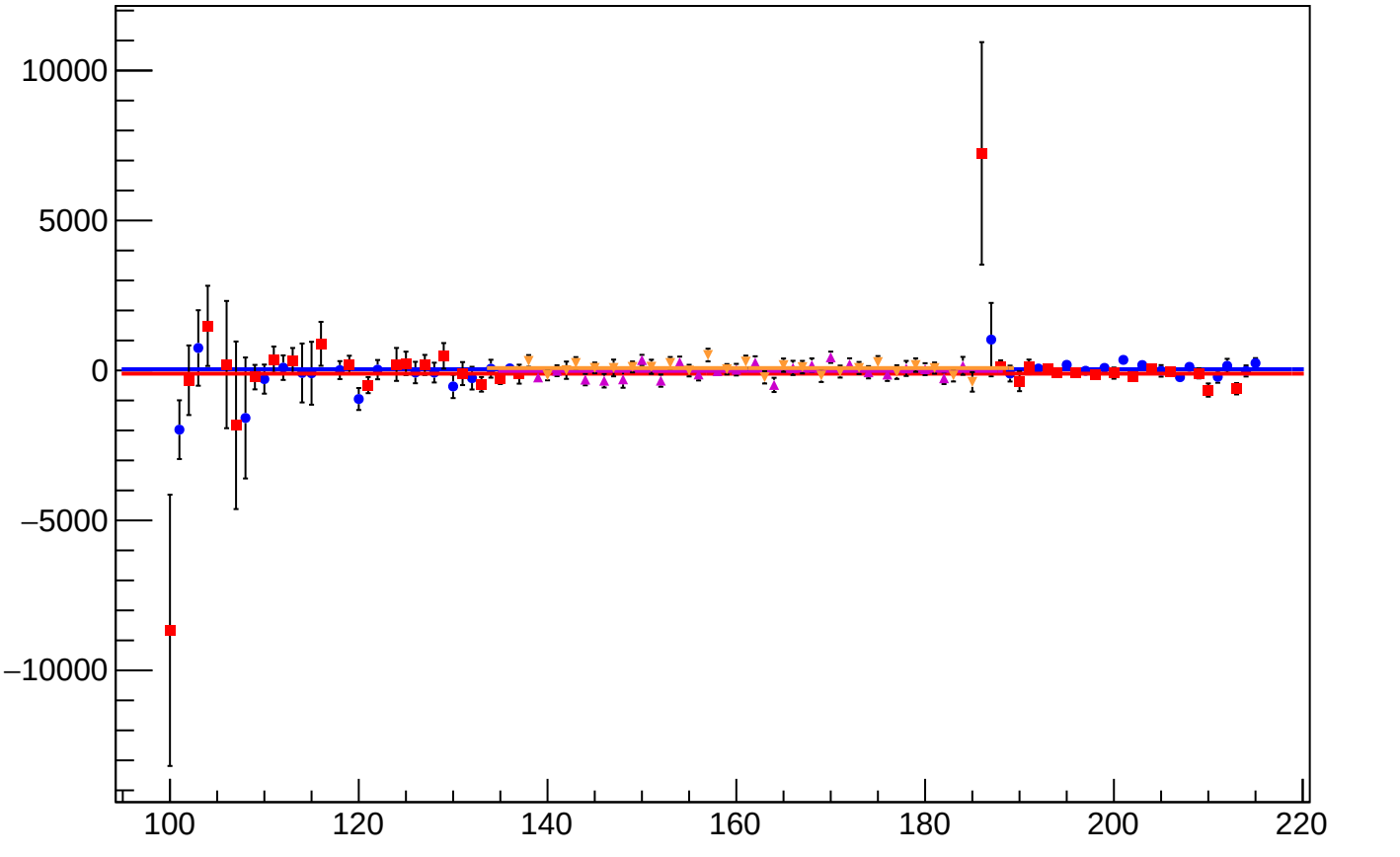
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 478459.841+/-57.075 χ^2/NDF: 5425417.6/64

In: 291482.523+/-36.048 χ^2/NDF:9381510.1/53

Out: 287411.883+/-35.490 χ^2/NDF:10465172.5/58

All: 289415.451+/-25.290 χ^2/NDF: 1985315



Right In: 40.901+/-39.318 χ^2/NDF: 29.5/30

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -106.124+/-40.347 χ^2/NDF: 41.9/33

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

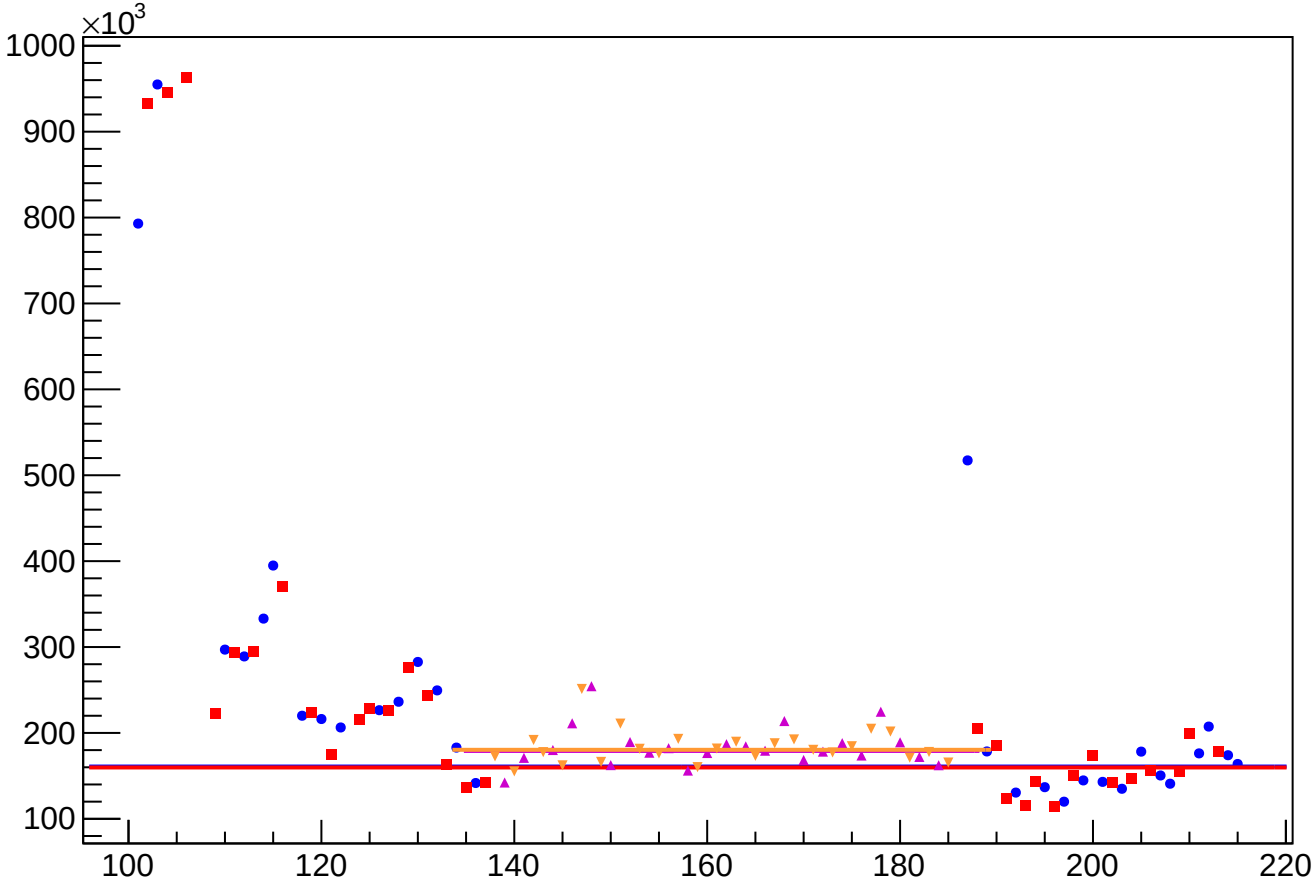
Right: -30.712+/-28.159 χ^2/NDF: 78.2/64

In: 15.396+/-28.777 χ^2/NDF:63.6/53

Out: -15.483+/-28.861 χ^2/NDF:71.9/58

All: 0.002+/-20.378 χ^2/NDF: 136.1/112

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 160881.530+/-27.811 χ^2/NDF: 3370405.0/29

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159793.592+/-28.546 χ^2/NDF: 3359986.7/30

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

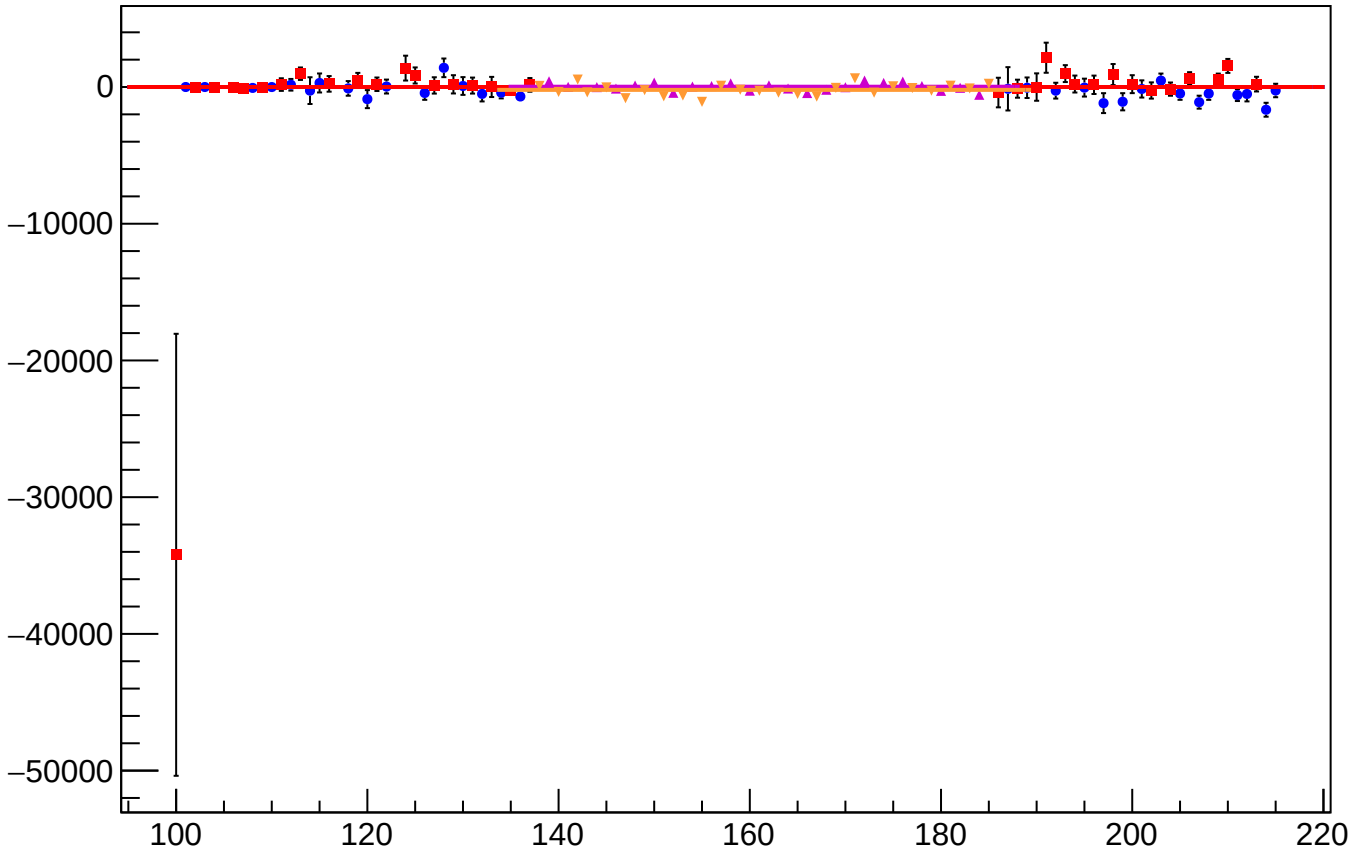
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 160351.745+/-19.920 χ^2/NDF: 6731136.8/60

In: 169308.171+/-20.352 χ^2/NDF:4069462.1/52

Out: 169834.220+/-20.414 χ^2/NDF:3959781.0/55

All: 169570.404+/-14.413 χ^2/NDF: 8029576.



Right In: -0.036+/-0.172 χ^2/NDF: 46.2/30

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.356+/-0.160 χ^2/NDF: 38.0/33

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

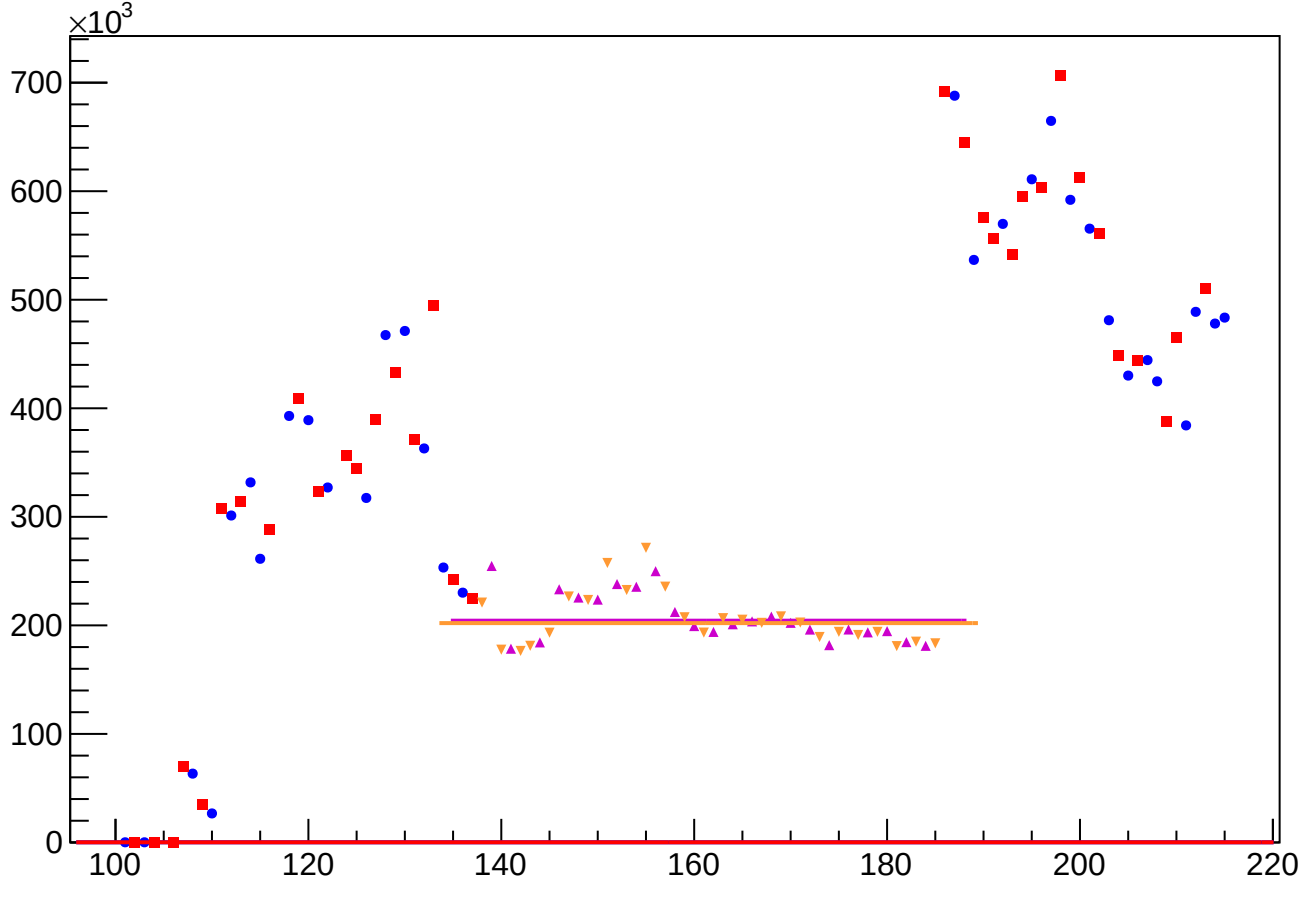
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 86.9/64

In: -0.036+/-0.172 χ^2/NDF:74.9/53

Out: 0.353+/-0.160 χ^2/NDF:119.9/58

All: 0.173+/-0.117 χ^2/NDF: 197.5/112



Right In: 149.801+/-0.122 χ^2/NDF: 35262500.6/30

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.930+/-0.113 χ^2/NDF: 34250231.9/32

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

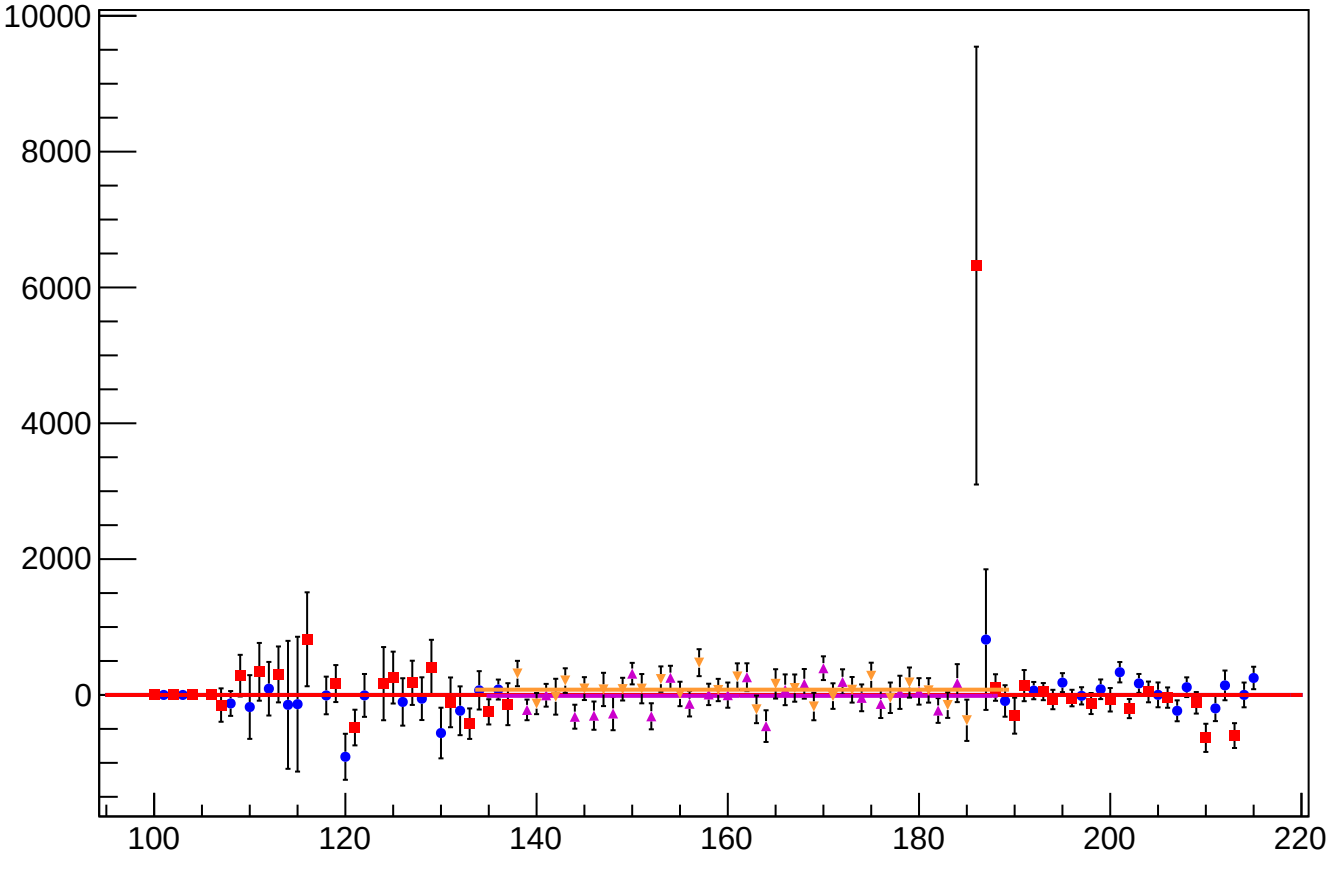
Right: 149.870+/-0.083 χ^2/NDF: 69512733.1/63

In: 152.426+/-0.122 χ^2/NDF:71765069.5/53

Out: 152.347+/-0.113 χ^2/NDF:72745861.3/57

All: 152.384+/-0.083 χ^2/NDF: 144510931.1/1

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 27.5/30

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.128+/-0.166 χ^2/NDF: 45.1/33

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

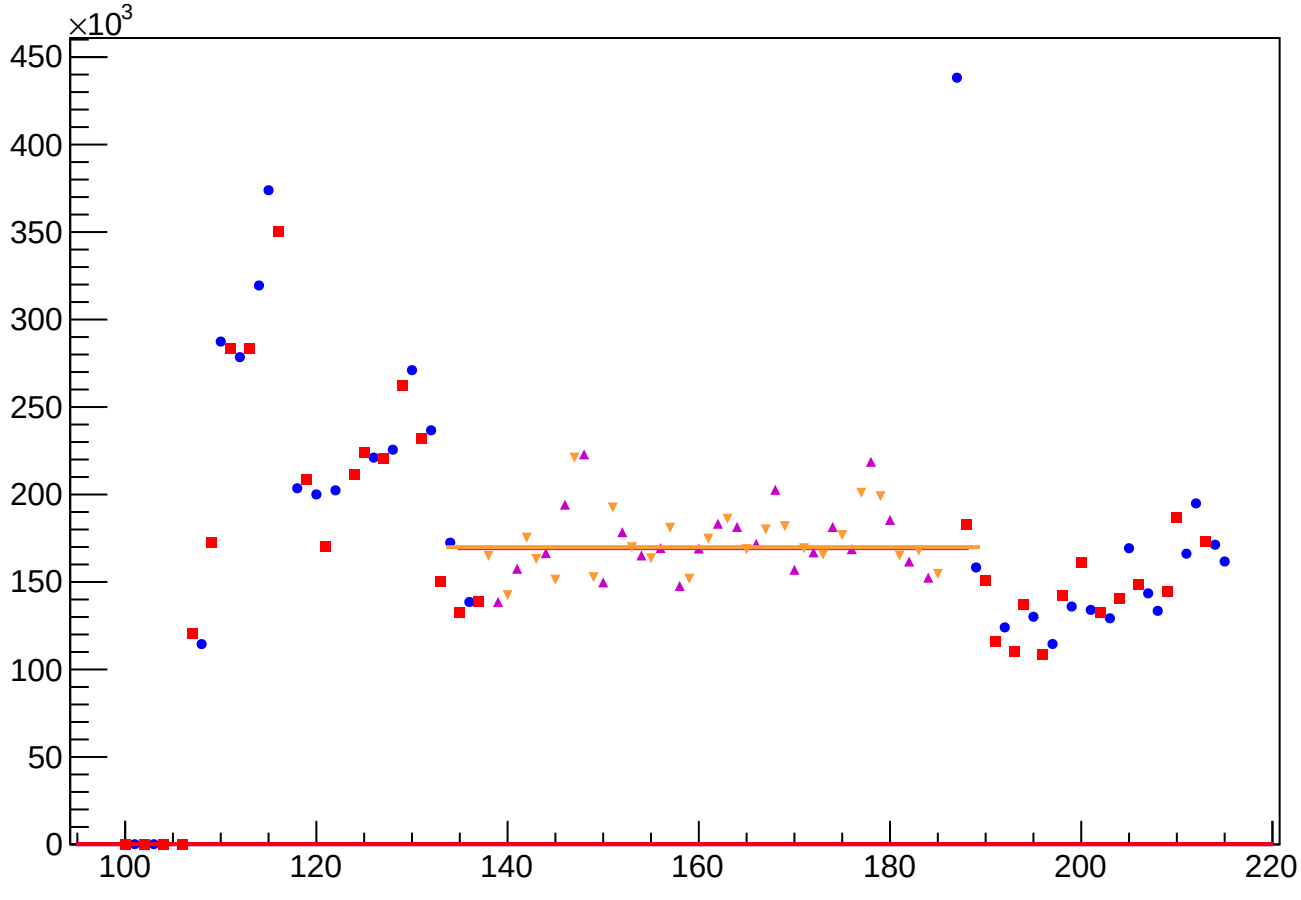
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 72.7/64

In: -0.067+/-0.177 χ^2/NDF:60.2/53

Out: -0.126+/-0.166 χ^2/NDF:68.2/58

All: -0.098+/-0.121 χ^2/NDF: 128.5/112



Right In: 156.009+/-0.125 χ^2/NDF: 35482557.0/30

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.265+/-0.118 χ^2/NDF: 33119016.8/32

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

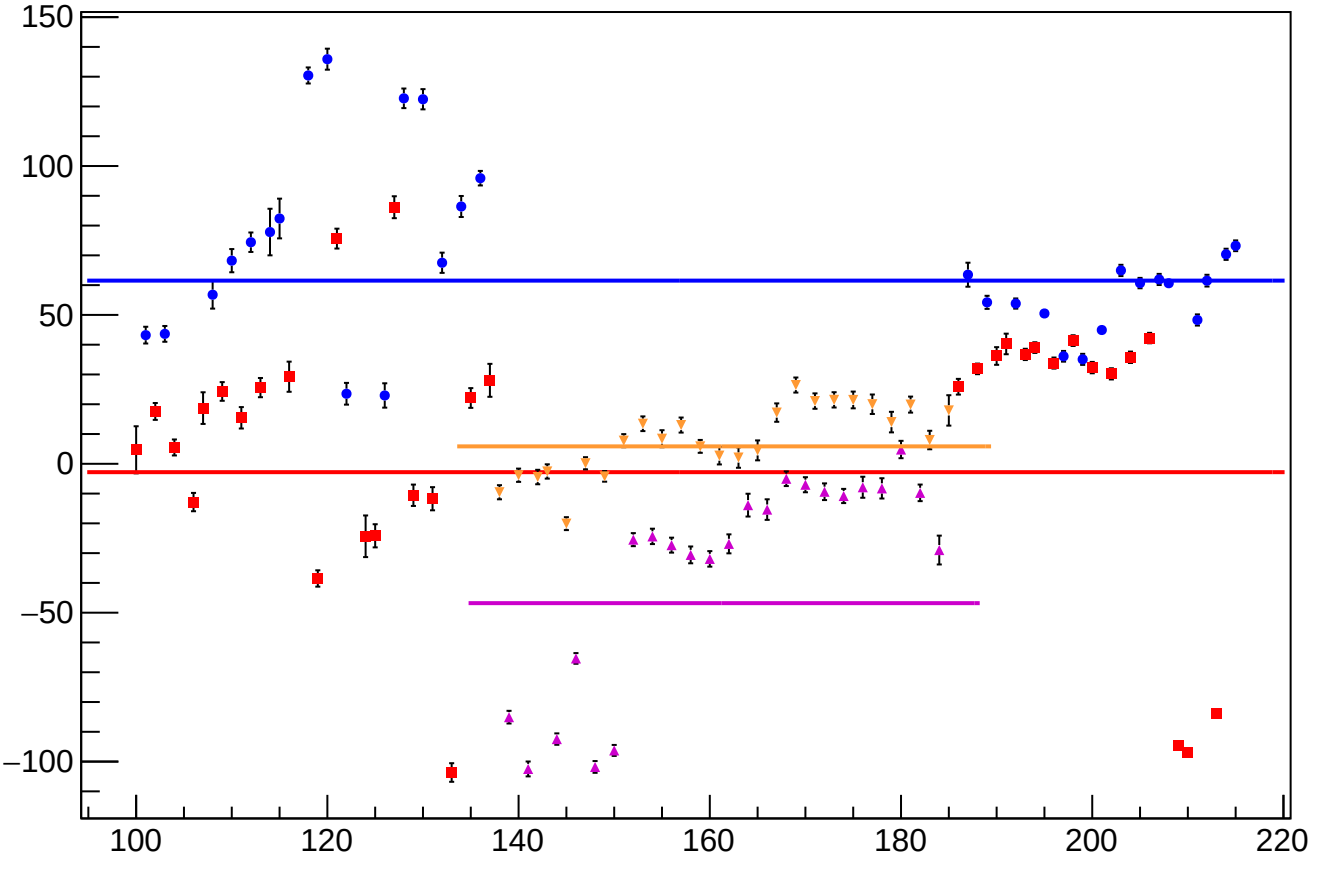
Right: 157.207+/-0.086 χ^2/NDF: 68601746.0/63

In: 159.342+/-0.125 χ^2/NDF:71867551.0/53

Out: 161.371+/-0.118 χ^2/NDF:71529084.6/57

All: 160.420+/-0.086 χ^2/NDF: 143396774.8/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 61.516+/-0.417 χ^2/NDF: 3030.5/30

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -2.809+/-0.412 χ^2/NDF: 18669.1/33

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

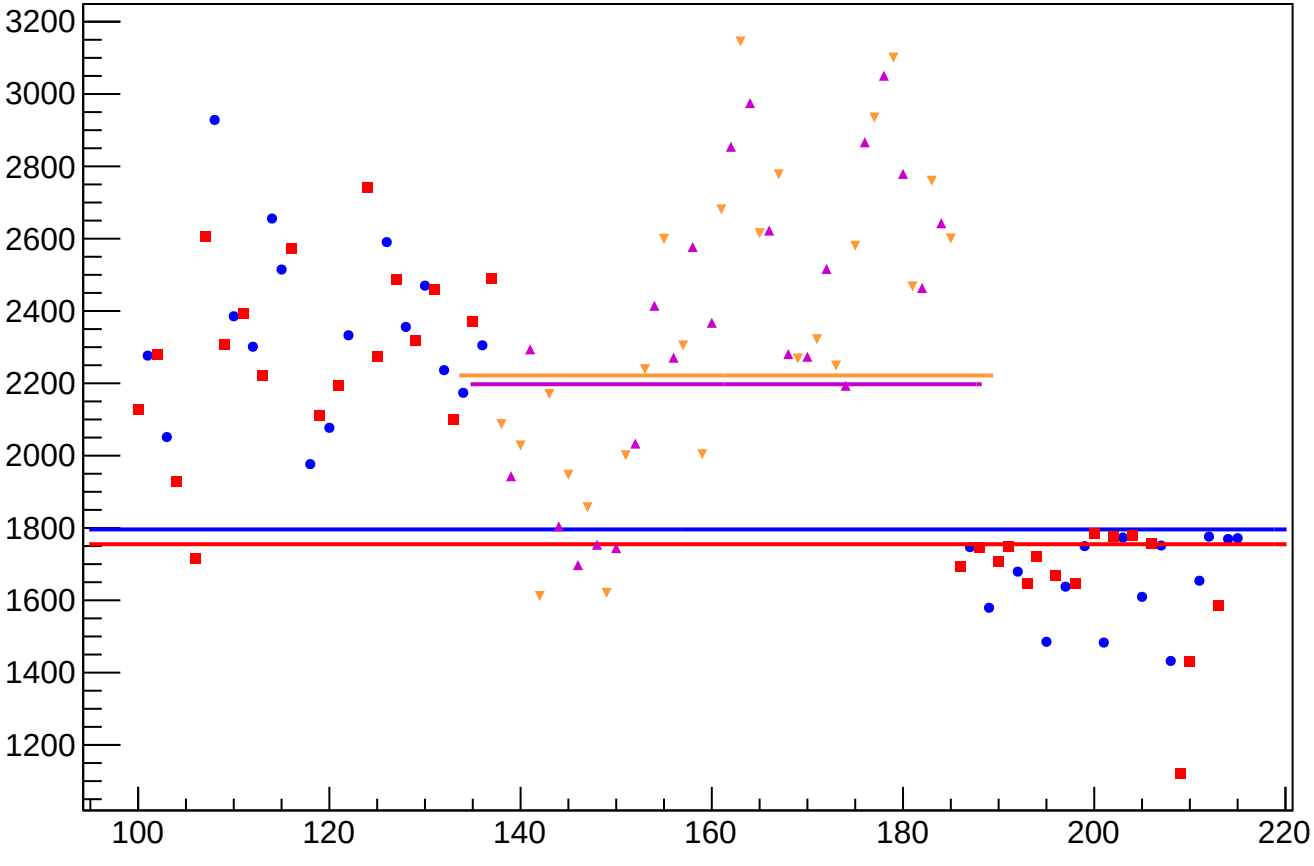
Right: 28.942+/-0.293 χ^2/NDF: 33743.6/64

In: 19.554+/-0.326 χ^2/NDF:34330.7/53

Out: 0.577+/-0.321 χ^2/NDF:19377.3/58

All: 9.916+/-0.229 χ^2/NDF: 55424.1/112

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1796.002+/-0.295 χ^2/NDF: 1087053.2/30

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1755.085+/-0.291 χ^2/NDF: 1477326.2/33

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

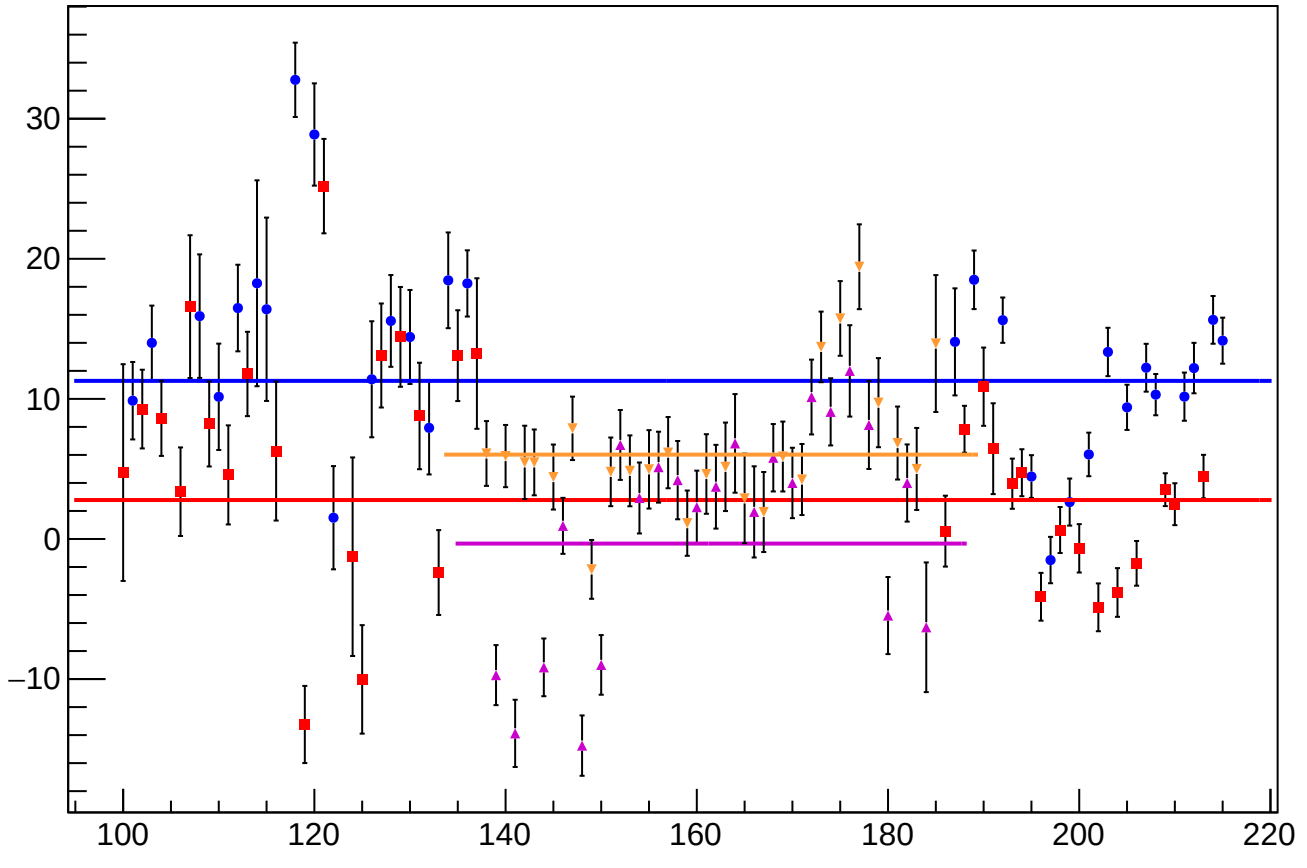
Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

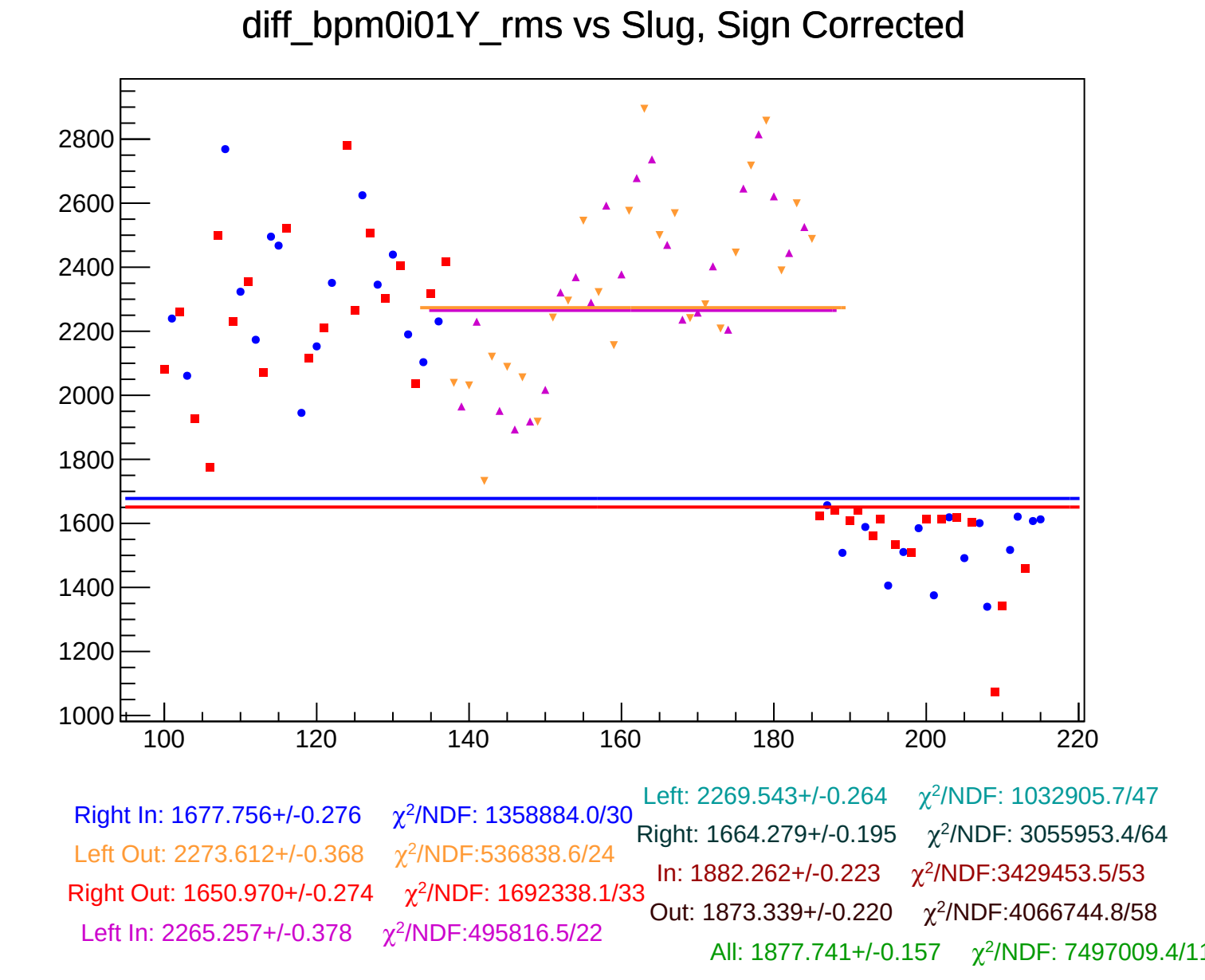
Right: 1775.282+/-0.207 χ^2/NDF: 2574125.9/64

In: 1951.540+/-0.231 χ^2/NDF:2909567.1/53

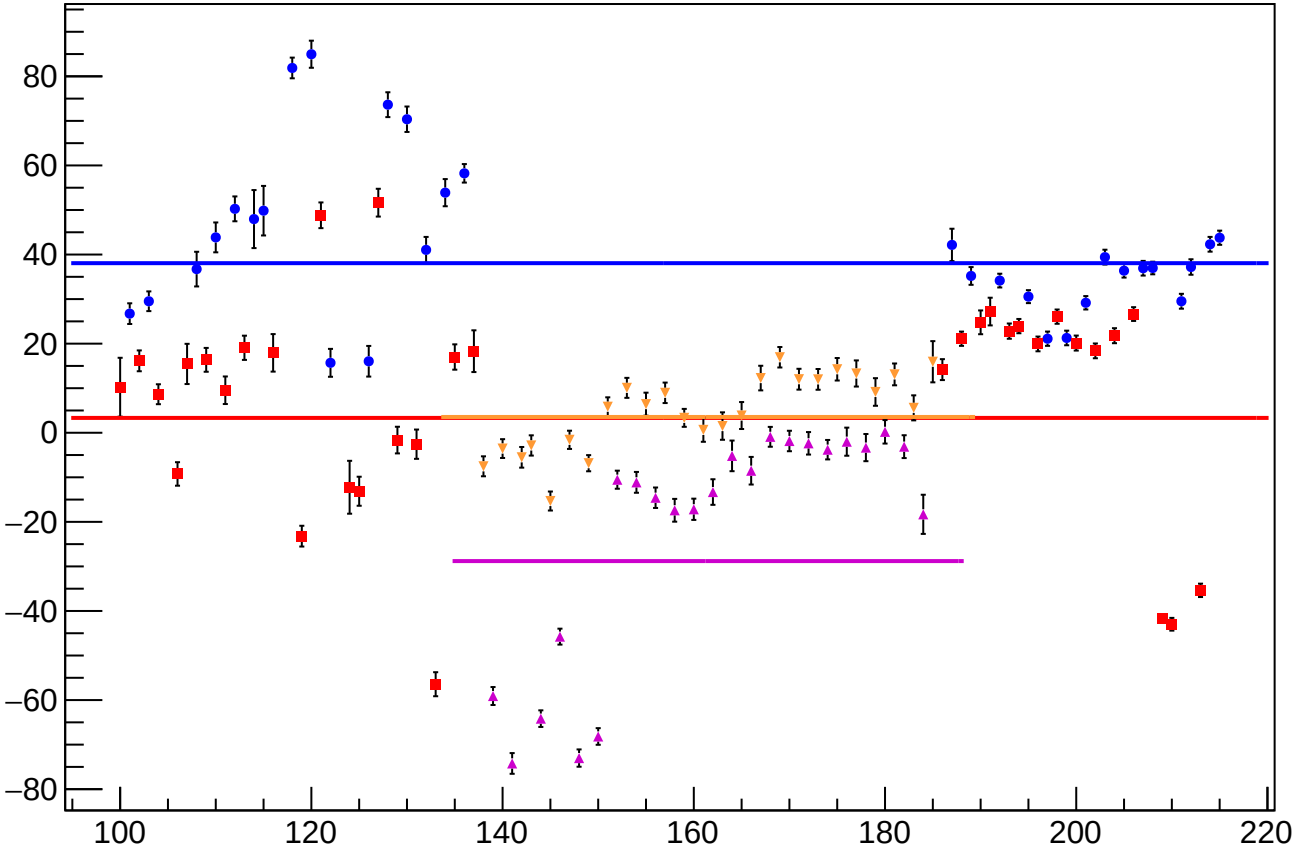
Out: 1937.534+/-0.227 χ^2/NDF:3665612.3/58

All: 1944.427+/-0.162 χ^2/NDF: 6577048.9/11


diff_bpm0i01Y_mean vs Slug, Sign Corrected
30
20
10
0
−10
100
120
140
160
180
200
220
Right In: 11.286+/-0.391 χ²/NDF: 270.4/30
Left Out: 6.022+/-0.521 χ²/NDF:71.8/24
Right Out: 2.780+/-0.388 χ²/NDF: 245.0/33
Left In: -0.329+/-0.535 χ²/NDF:224.9/22
Left: 2.929+/-0.373 χ²/NDF: 369.1/47
Right: 7.006+/-0.275 χ²/NDF: 753.9/64
In: 7.243+/-0.315 χ²/NDF:803.1/53
Out: 3.938+/-0.311 χ²/NDF:341.7/58
All: 5.569+/-0.222 χ²/NDF: 1200.3/112


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: 1677.756+/-0.276 χ²/NDF: 1358884.0/30
Left Out: 2273.612+/-0.368 χ²/NDF:536838.6/24
Right Out: 1650.970+/-0.274 χ²/NDF: 1692338.1/33
Left In: 2265.257+/-0.378 χ²/NDF:495816.5/22
Left: 2269.543+/-0.264 χ²/NDF: 1032905.7/47
Right: 1664.279+/-0.195 χ²/NDF: 3055953.4/64
In: 1882.262+/-0.223 χ²/NDF:3429453.5/53
Out: 1873.339+/-0.220 χ²/NDF:4066744.8/58
All: 1877.741+/-0.157 χ²/NDF: 7497009.4/11

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 38.064+/-0.367 χ^2/NDF: 1503.1/30

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 3.332+/-0.363 χ^2/NDF: 6055.8/33

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

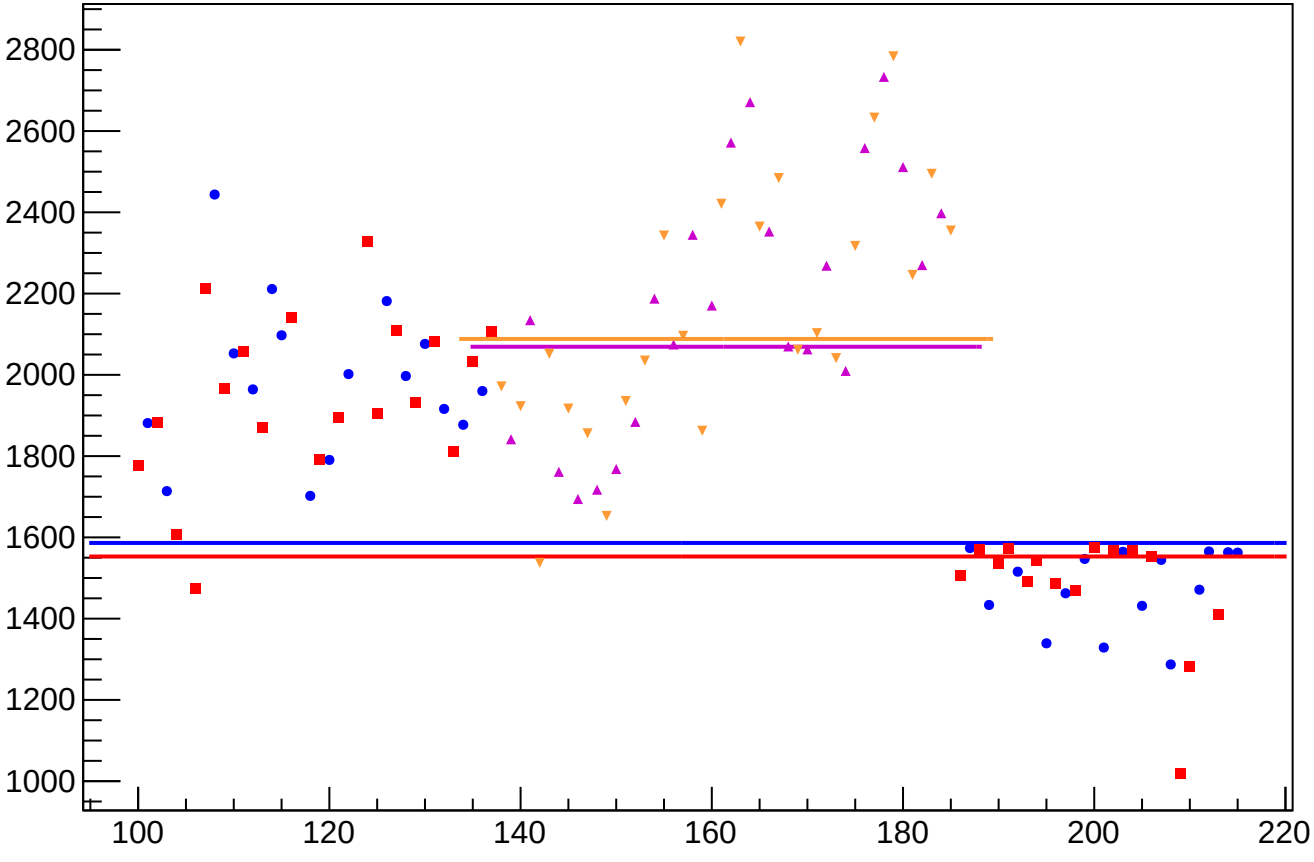
Right: 20.499+/-0.258 χ^2/NDF: 12091.3/64

In: 14.098+/-0.294 χ^2/NDF:16672.2/53

Out: 3.409+/-0.289 χ^2/NDF:6375.8/58

All: 8.672+/-0.206 χ^2/NDF: 23719.5/112

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1586.311+/-0.259 χ^2/NDF: 833115.7/30

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1552.950+/-0.256 χ^2/NDF: 1175985.0/33

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

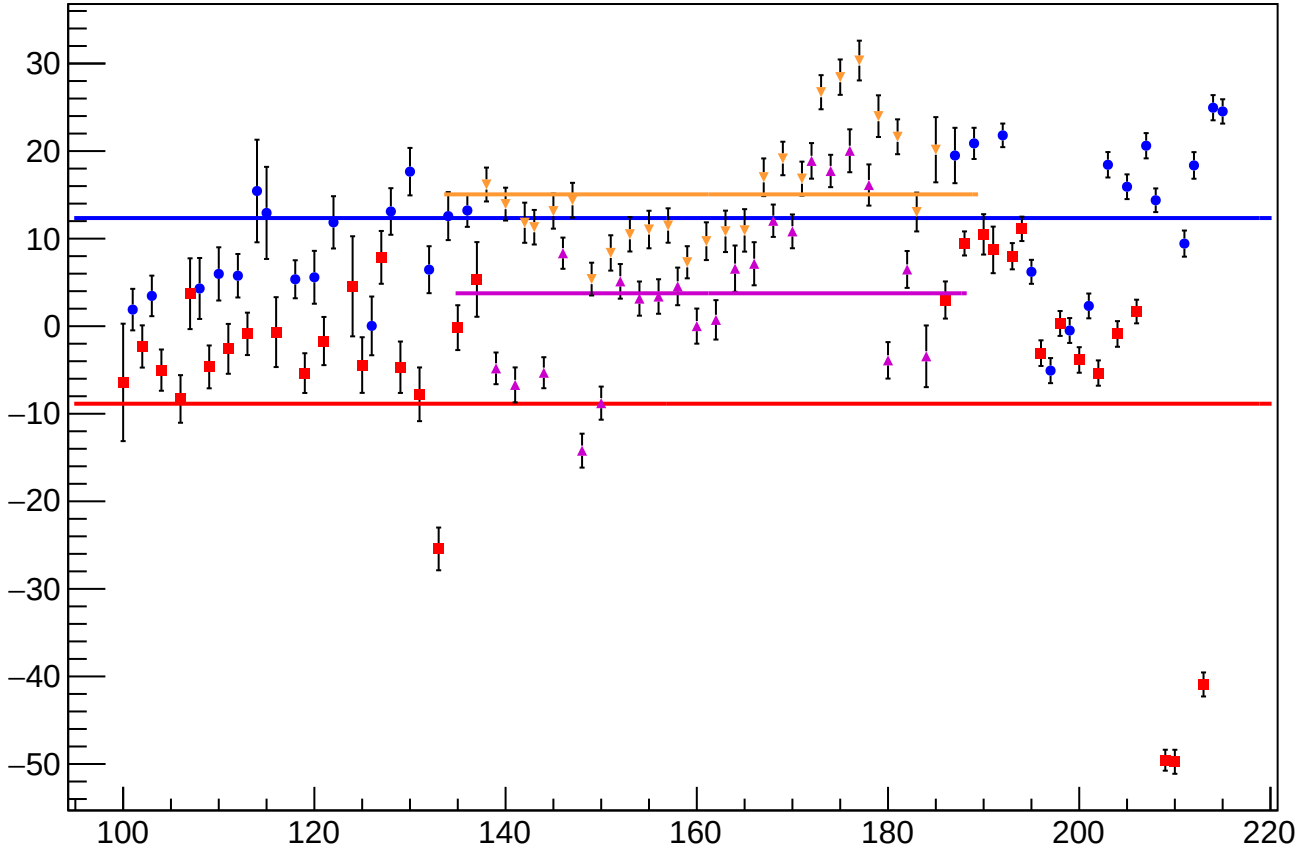
Right: 1569.439+/-0.182 χ^2/NDF: 2017464.3/64

In: 1759.350+/-0.208 χ^2/NDF:2786050.7/53

Out: 1747.400+/-0.205 χ^2/NDF:3546216.8/58

All: 1753.284+/-0.146 χ^2/NDF: 6333946.3/11

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 12.351+/-0.333 χ^2/NDF: 698.6/30

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -8.853+/-0.334 χ^2/NDF: 3575.9/33

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

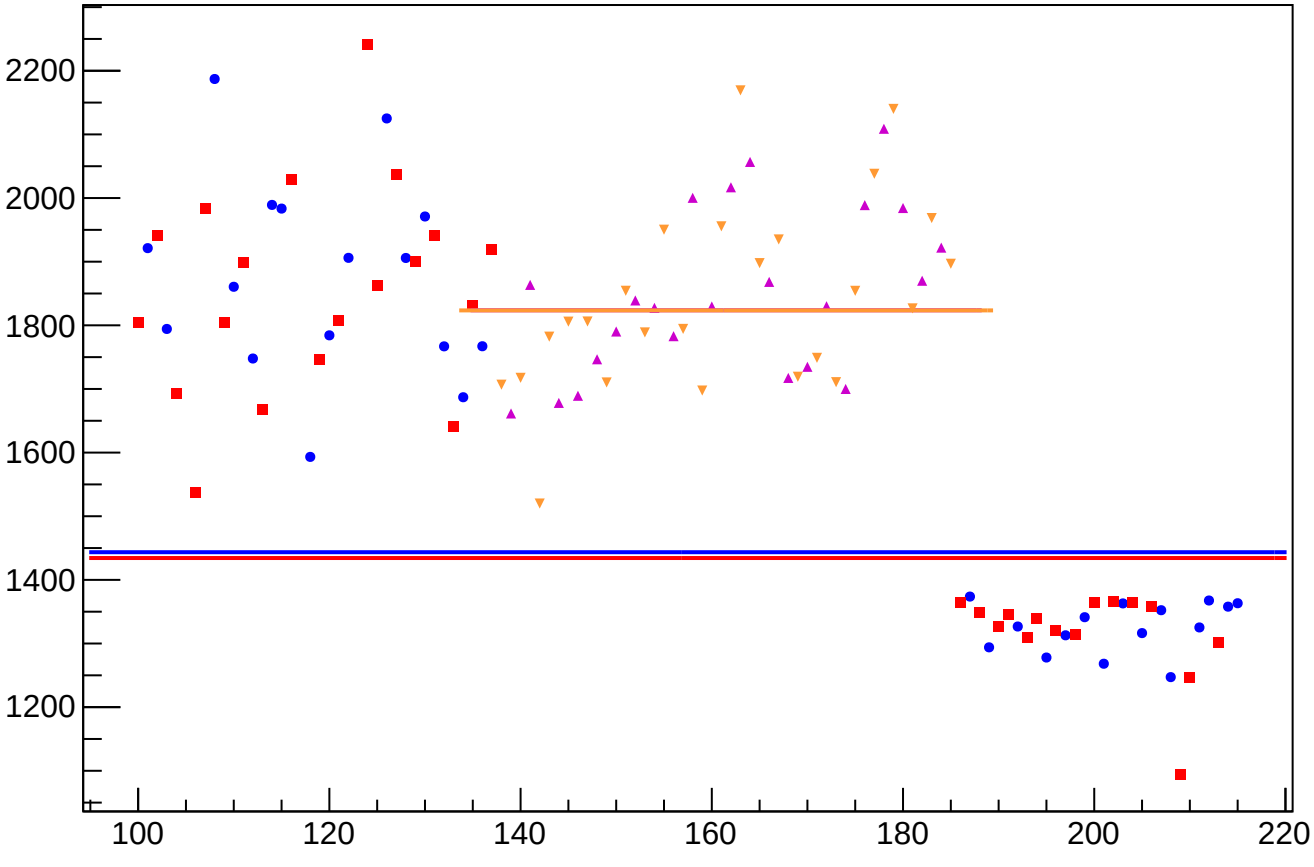
Right: 1.760+/-0.236 χ^2/NDF: 6297.4/64

In: 9.107+/-0.263 χ^2/NDF:1408.8/53

Out: 0.511+/-0.260 χ^2/NDF:5834.7/58

All: 4.764+/-0.185 χ^2/NDF: 7783.6/112

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1443.472+/-0.236 χ^2/NDF: 951513.2/30

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1434.337+/-0.236 χ^2/NDF: 1048355.8/33

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

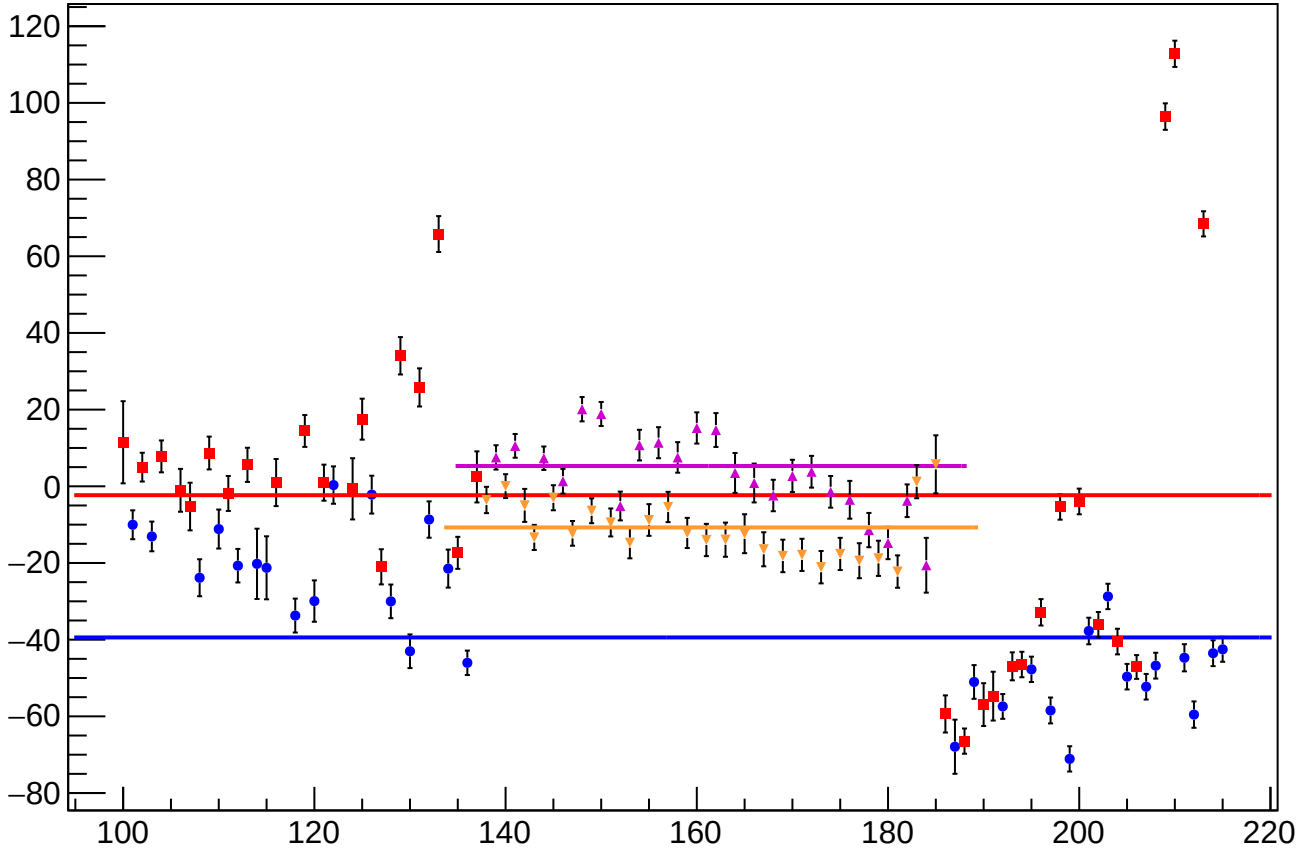
Right: 1438.909+/-0.167 χ^2/NDF: 2000619.8/64

In: 1587.000+/-0.186 χ^2/NDF:2098236.1/53

Out: 1586.741+/-0.184 χ^2/NDF:2325712.5/58

All: 1586.869+/-0.131 χ^2/NDF: 4423949.5/11

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -39.419+/-0.710 χ^2/NDF: 632.1/30

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -2.319+/-0.716 χ^2/NDF: 4326.2/33

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

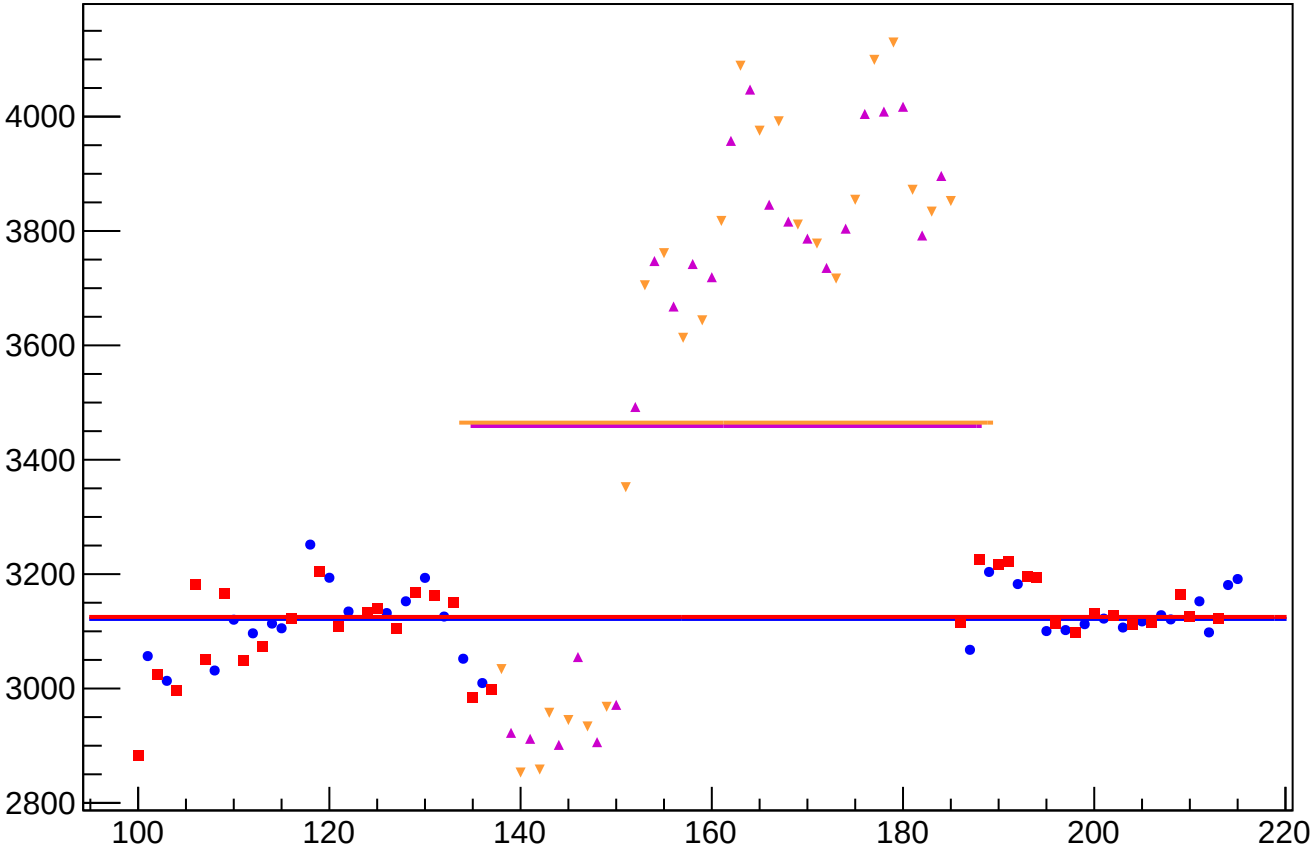
Right: -21.006+/-0.504 χ^2/NDF: 6311.8/64

In: -20.096+/-0.535 χ^2/NDF:2477.4/53

Out: -6.092+/-0.532 χ^2/NDF:4462.0/58

All: -13.044+/-0.377 χ^2/NDF: 7283.9/112

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3121.658+/-0.502 χ^2/NDF: 12070.7/30

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3125.157+/-0.506 χ^2/NDF: 14953.7/33

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

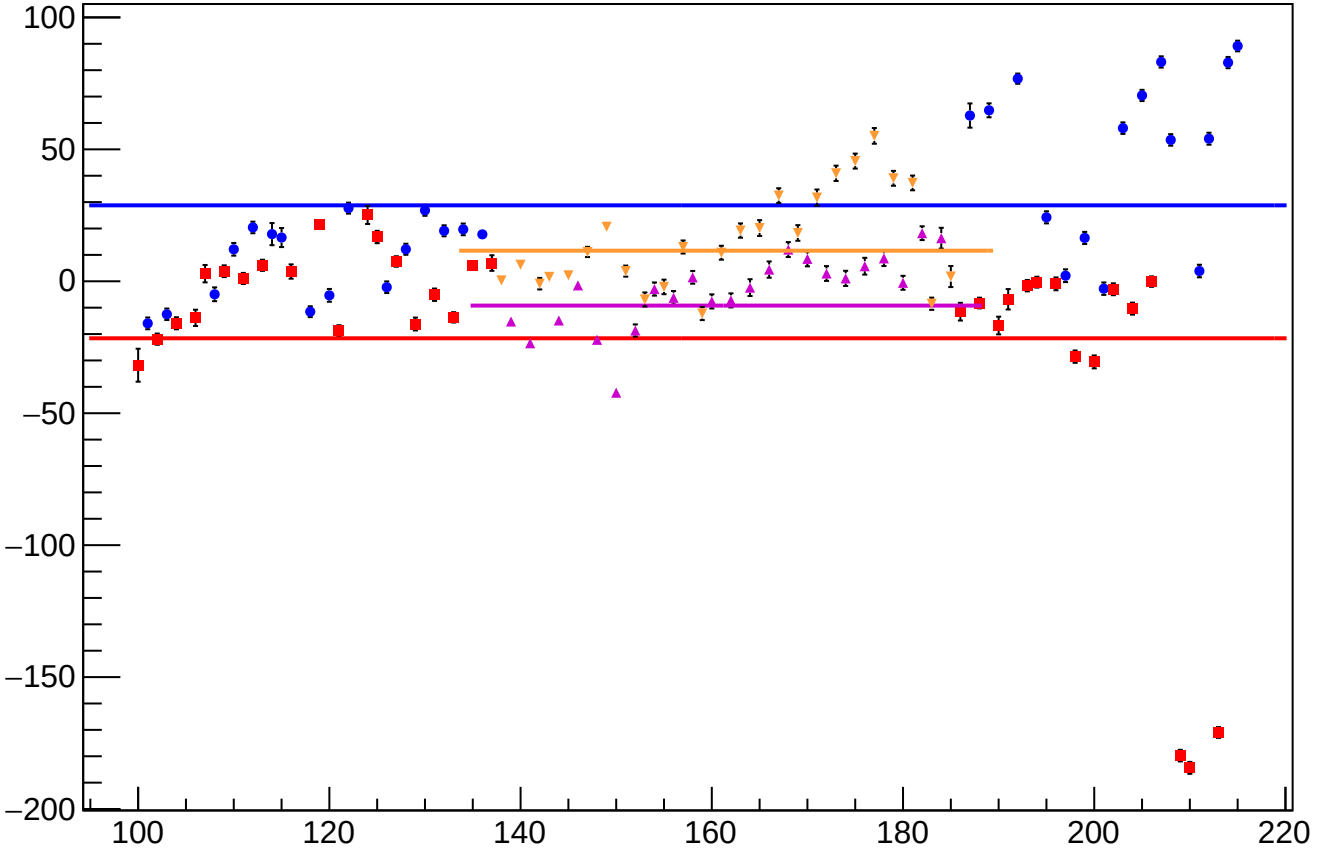
Right: 3123.395+/-0.357 χ^2/NDF: 27048.5/64

In: 3267.479+/-0.379 χ^2/NDF:790327.4/53

Out: 3277.493+/-0.376 χ^2/NDF:861069.1/58

All: 3272.522+/-0.267 χ^2/NDF: 1651748.9/11

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 28.780+/-0.399 χ^2/NDF: 6256.6/30

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -21.603+/-0.400 χ^2/NDF: 18482.9/33

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

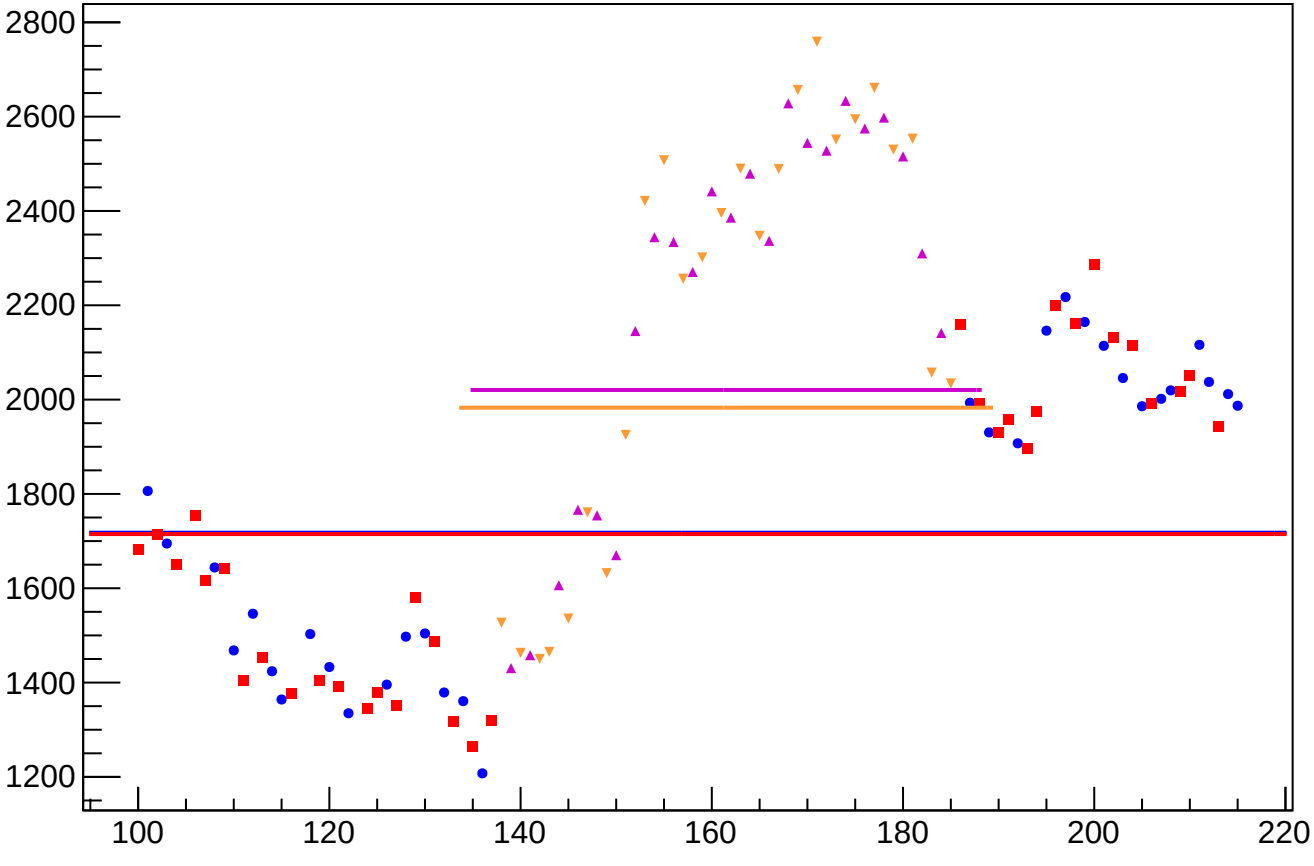
Right: 3.691+/-0.282 χ^2/NDF: 32698.5/64

In: 13.422+/-0.308 χ^2/NDF:10871.2/53

Out: -7.421+/-0.303 χ^2/NDF:22620.6/58

All: 2.839+/-0.216 χ^2/NDF: 35823.1/112

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1717.810+/-0.282 χ^2/NDF: 1337871.7/30

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1714.906+/-0.283 χ^2/NDF: 1289629.5/33

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

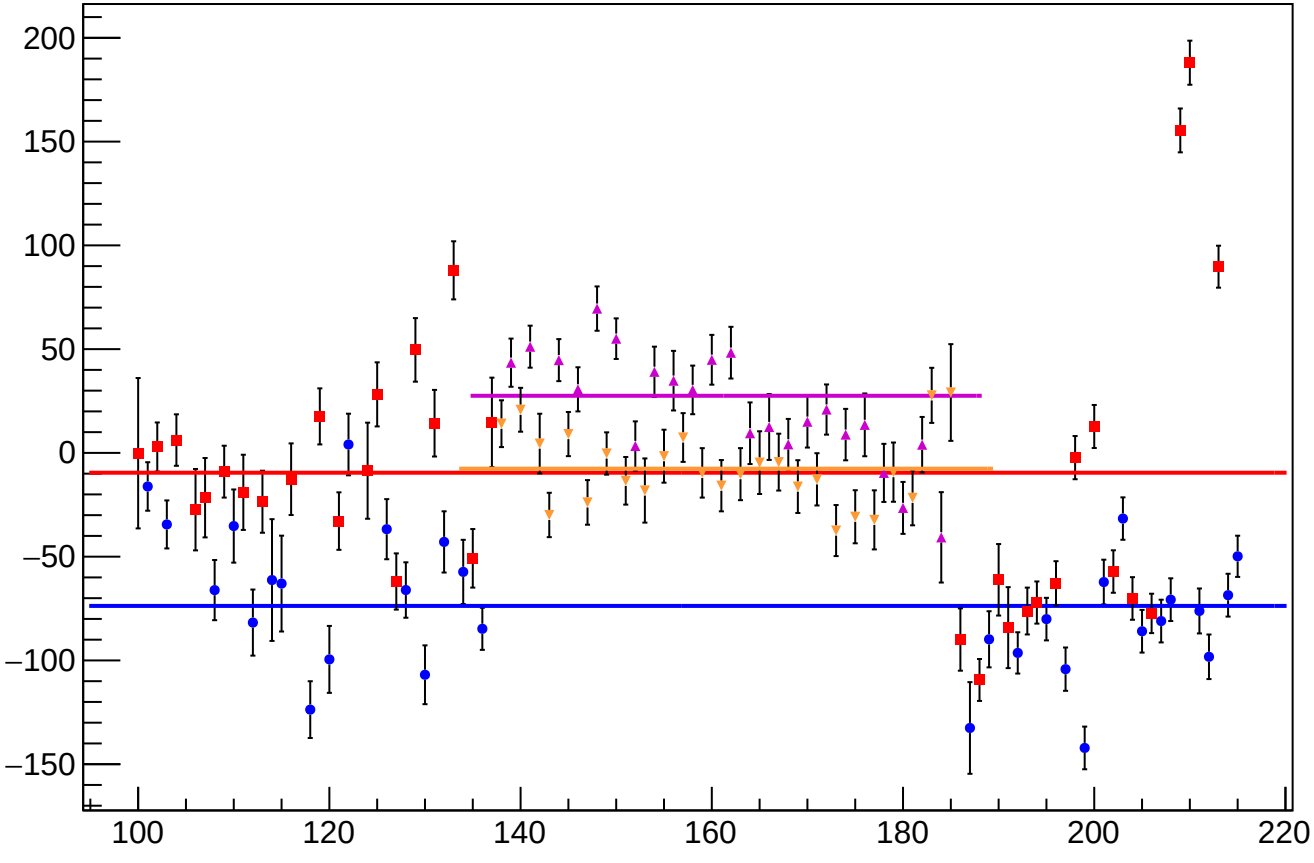
Right: 1716.364+/-0.200 χ^2/NDF: 2627554.0/64

In: 1840.156+/-0.218 χ^2/NDF:3418854.0/53

Out: 1829.365+/-0.214 χ^2/NDF:3650379.8/58

All: 1834.677+/-0.153 χ^2/NDF: 7070483.5/11

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -73.727+/-2.201 χ^2/NDF: 202.2/30

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -9.547+/-2.222 χ^2/NDF: 1155.3/33

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

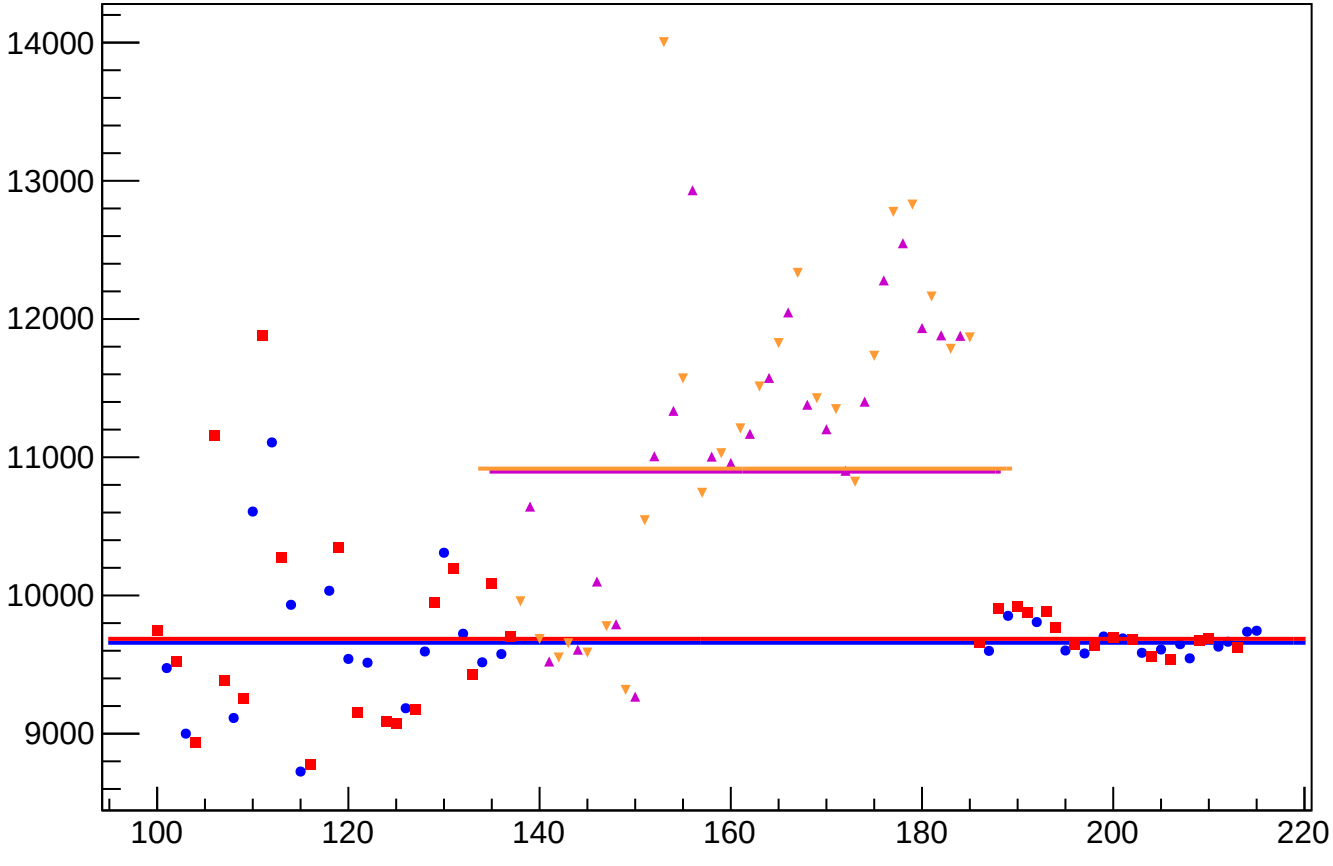
Right: -41.942+/-1.564 χ^2/NDF: 1778.5/64

In: -30.618+/-1.668 χ^2/NDF:1196.1/53

Out: -8.683+/-1.659 χ^2/NDF:1203.5/58

All: -19.594+/-1.176 χ^2/NDF: 2486.5/112

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9657.885+/-1.557 χ^2/NDF: 45911.8/30

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9686.192+/-1.571 χ^2/NDF: 83126.8/33

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

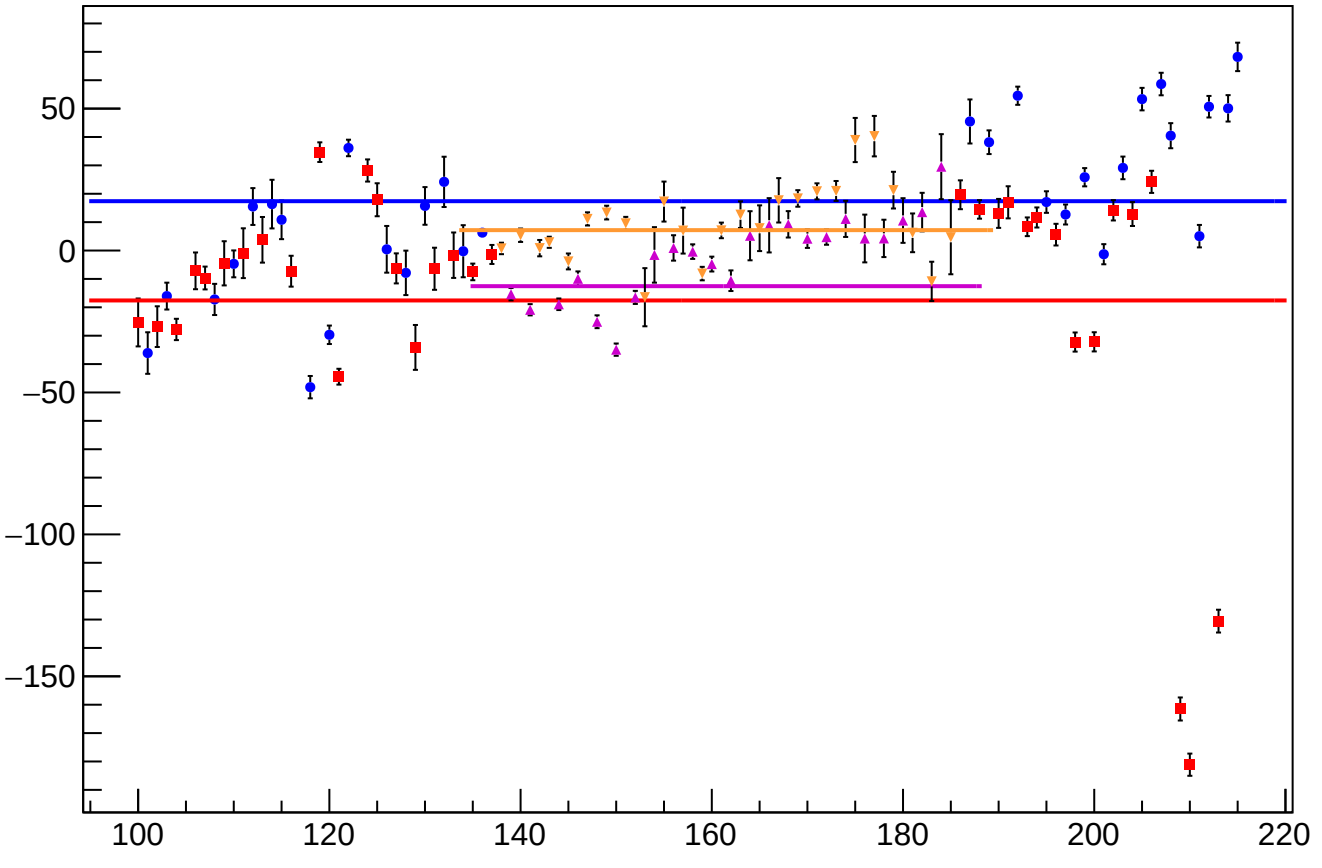
Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

Right: 9671.904+/-1.106 χ^2/NDF: 129202.5/64

In: 10185.005+/-1.180 χ^2/NDF:613352.1/53

Out: 10230.965+/-1.173 χ^2/NDF:780681.6/58

All: 10208.104+/-0.832 χ^2/NDF: 1394796.8/1



Right In: 17.387+/-0.731 χ^2/NDF: 1431.1/30

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -17.585+/-0.730 χ^2/NDF: 5050.7/33

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

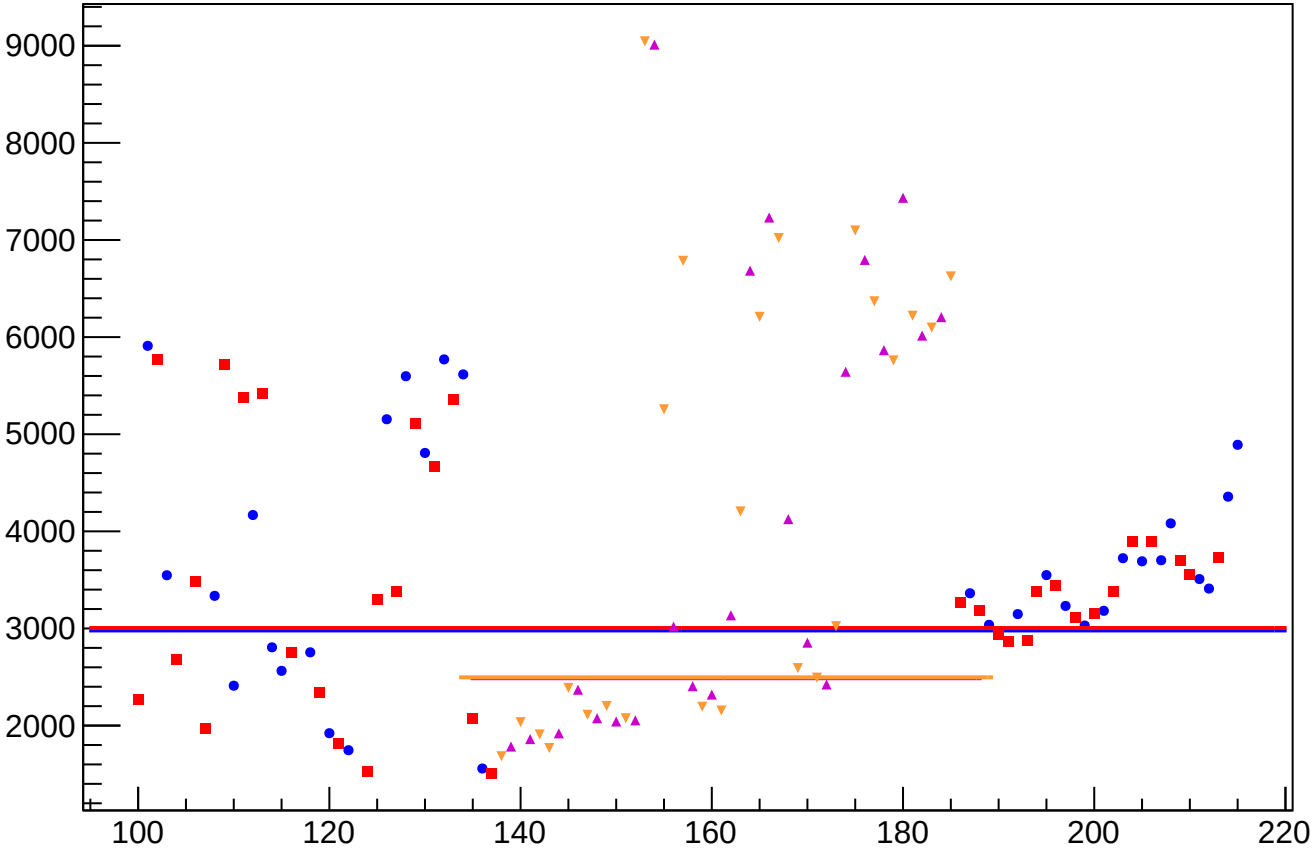
Right: -0.108+/-0.517 χ^2/NDF: 7627.8/64

In: 0.912+/-0.490 χ^2/NDF:2727.2/53

Out: -3.832+/-0.487 χ^2/NDF:5891.1/58

All: -1.474+/-0.345 χ^2/NDF: 8665.5/112

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2979.689+/-0.517 χ^2/NDF: 4298046.8/30

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 3004.524+/-0.516 χ^2/NDF: 3252307.2/33

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

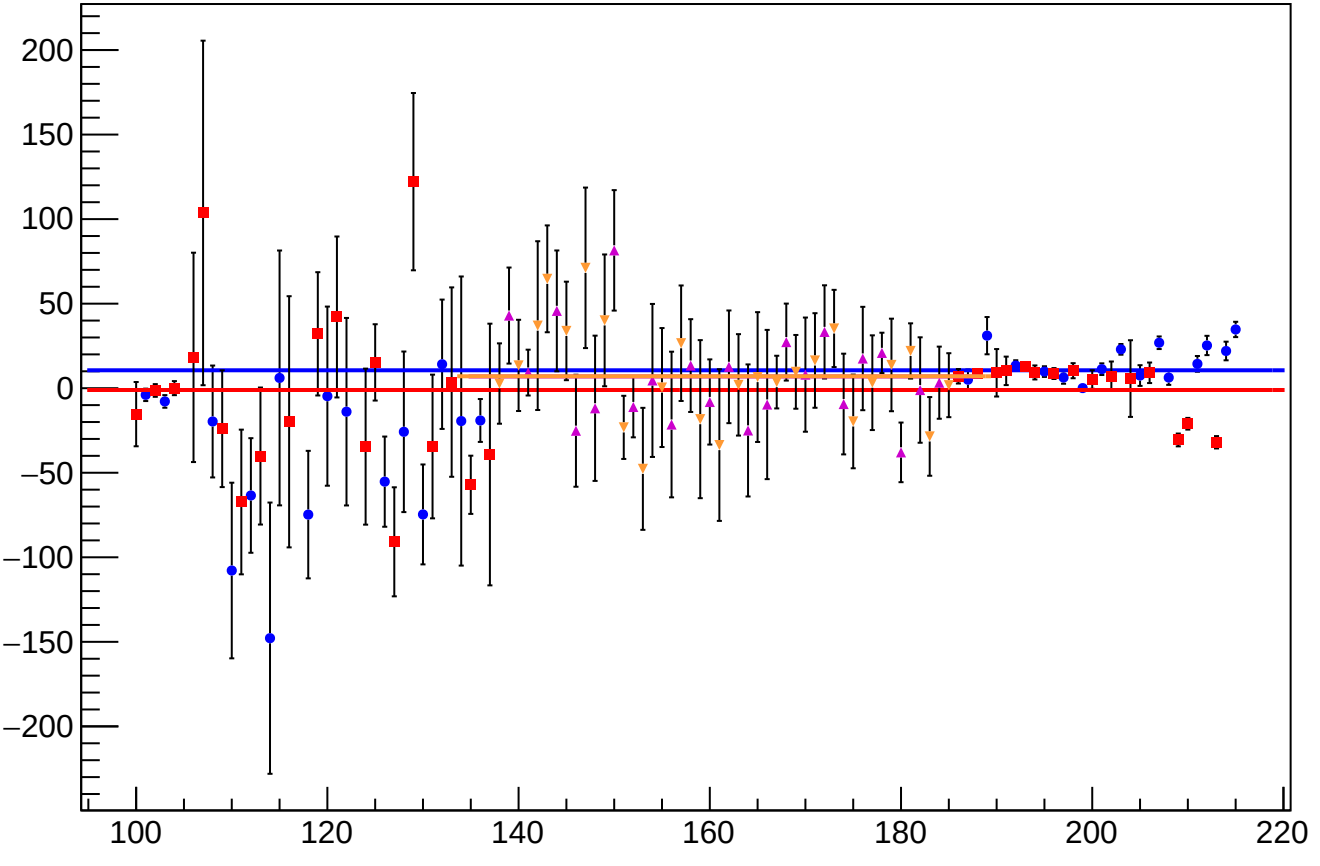
Right: 2992.113+/-0.365 χ^2/NDF: 7551509.9/64

In: 2708.977+/-0.346 χ^2/NDF:10900487.1/53

Out: 2722.625+/-0.344 χ^2/NDF:10994883.2/58

All: 2715.842+/-0.244 χ^2/NDF: 21896150.9/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 10.601+/-0.961 χ^2/NDF: 175.8/30

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -1.060+/-1.016 χ^2/NDF: 267.2/33

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

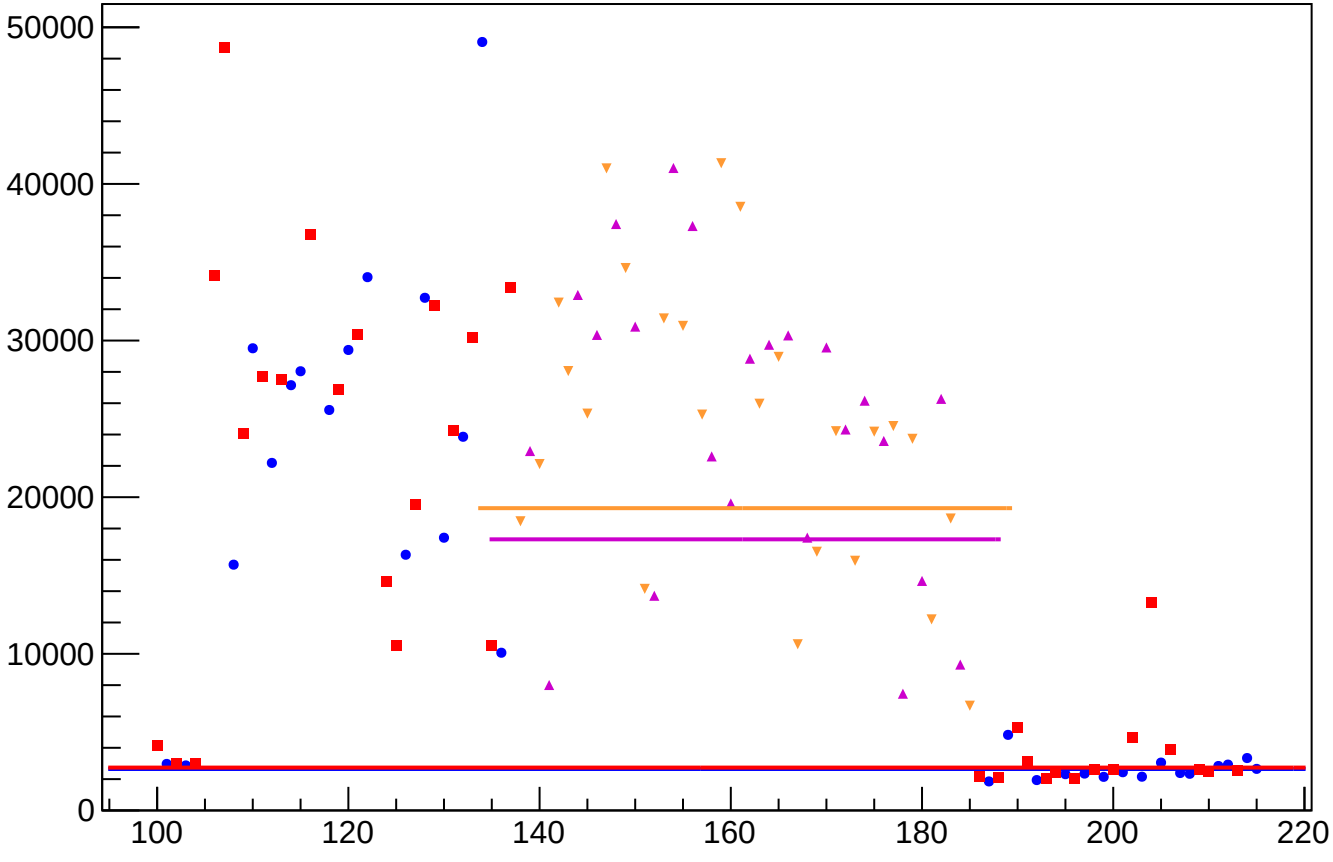
Right: 5.094+/-0.698 χ^2/NDF: 512.6/64

In: 10.475+/-0.944 χ^2/NDF:197.4/53

Out: -0.764+/-0.997 χ^2/NDF:289.1/58

All: 5.161+/-0.686 χ^2/NDF: 553.5/112

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2648.032+/-0.679 χ^2/NDF: 7988563.8/30

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2736.640+/-0.718 χ^2/NDF: 9424834.7/33

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

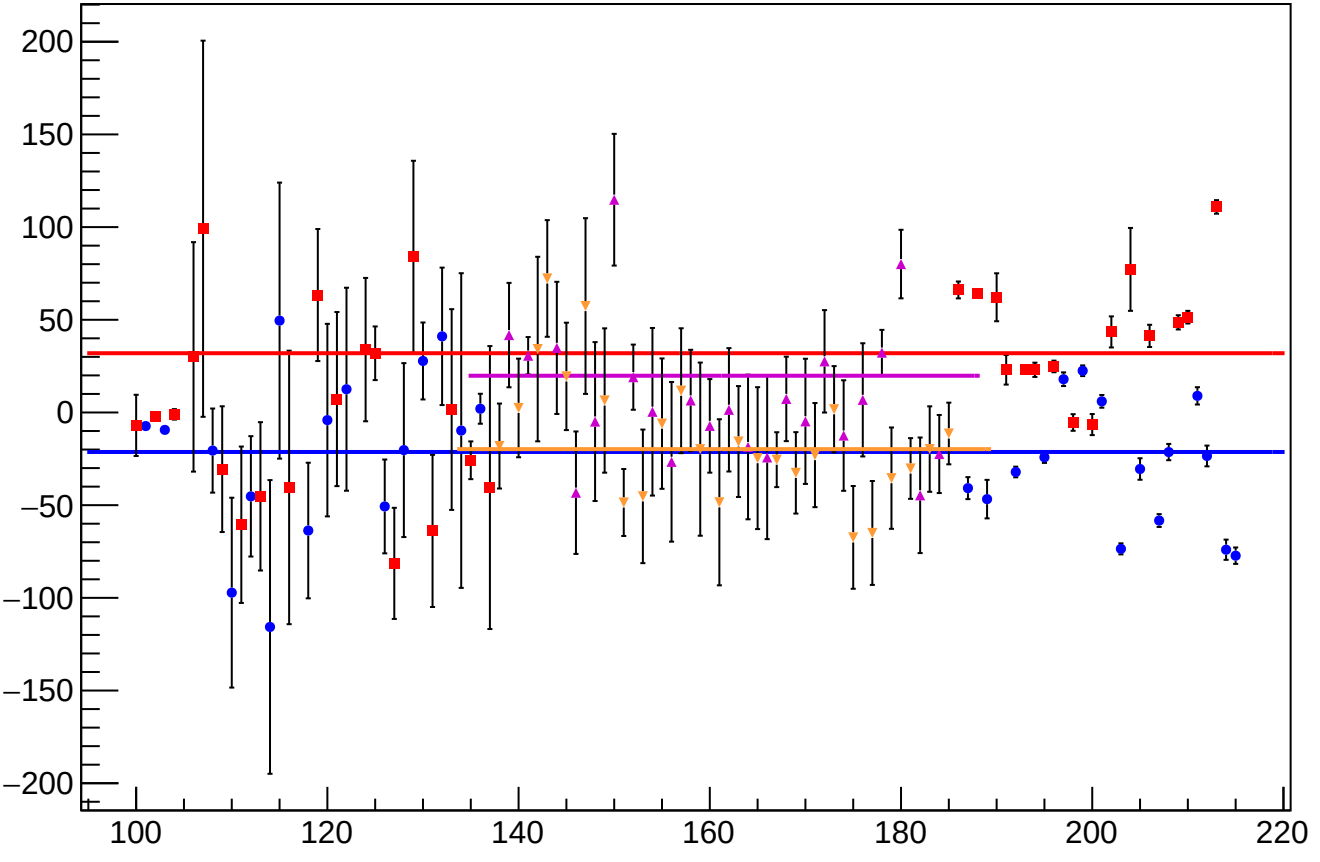
Right: 2689.878+/-0.494 χ^2/NDF: 17421431.4/64

In: 3152.373+/-0.668 χ^2/NDF:30727669.9/53

Out: 3339.159+/-0.705 χ^2/NDF:33808798.0/58

All: 3240.680+/-0.485 χ^2/NDF: 64573475.5/1

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -21.305+/-0.870 χ^2/NDF: 1236.7/30

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 31.973+/-0.918 χ^2/NDF: 1271.7/33

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

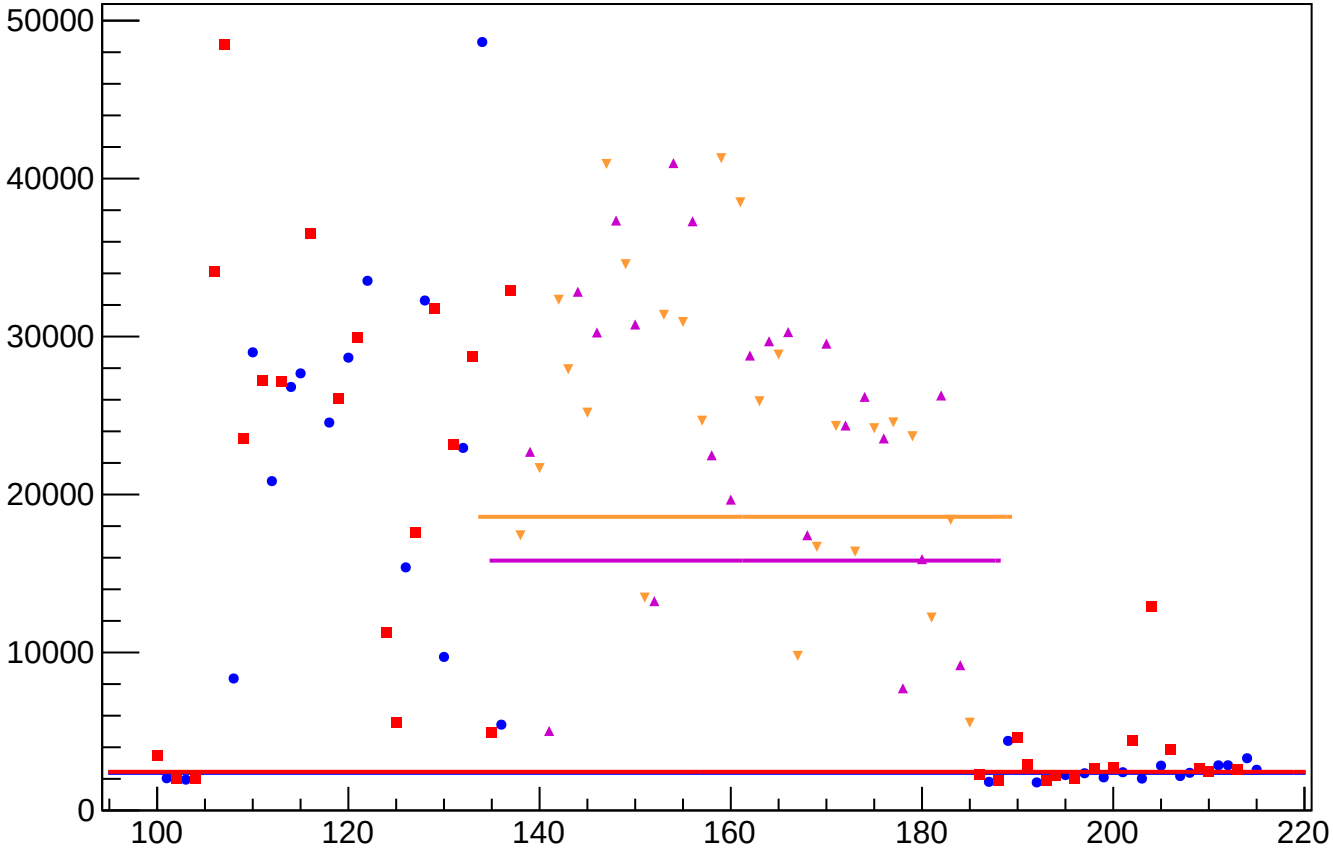
Right: 3.889+/-0.631 χ^2/NDF: 4283.6/64

In: -20.022+/-0.856 χ^2/NDF:1346.8/53

Out: 30.359+/-0.904 χ^2/NDF:1398.6/58

All: 3.802+/-0.621 χ^2/NDF: 4383.9/112

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2379.268+/-0.615 χ^2/NDF: 7174799.3/30

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2445.449+/-0.649 χ^2/NDF: 9018703.6/33

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

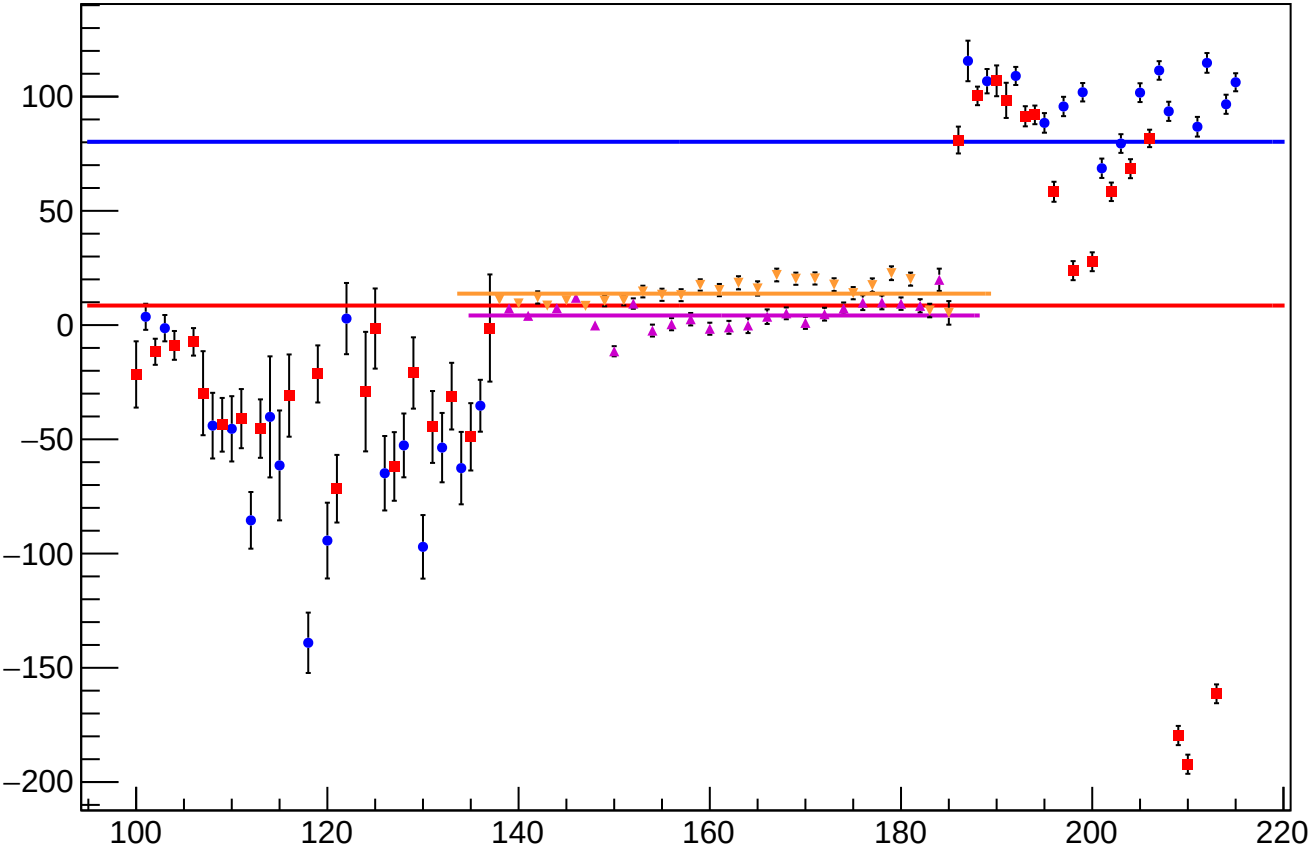
Right: 2410.563+/-0.446 χ^2/NDF: 16198981.2/64

In: 2798.522+/-0.605 χ^2/NDF:30484432.5/53

Out: 2948.974+/-0.639 χ^2/NDF:34005572.0/58

All: 2869.666+/-0.439 χ^2/NDF: 64519228.7/

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 80.227+/-1.038 χ^2/NDF: 2141.1/30

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 8.553+/-1.042 χ^2/NDF: 8862.5/33

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

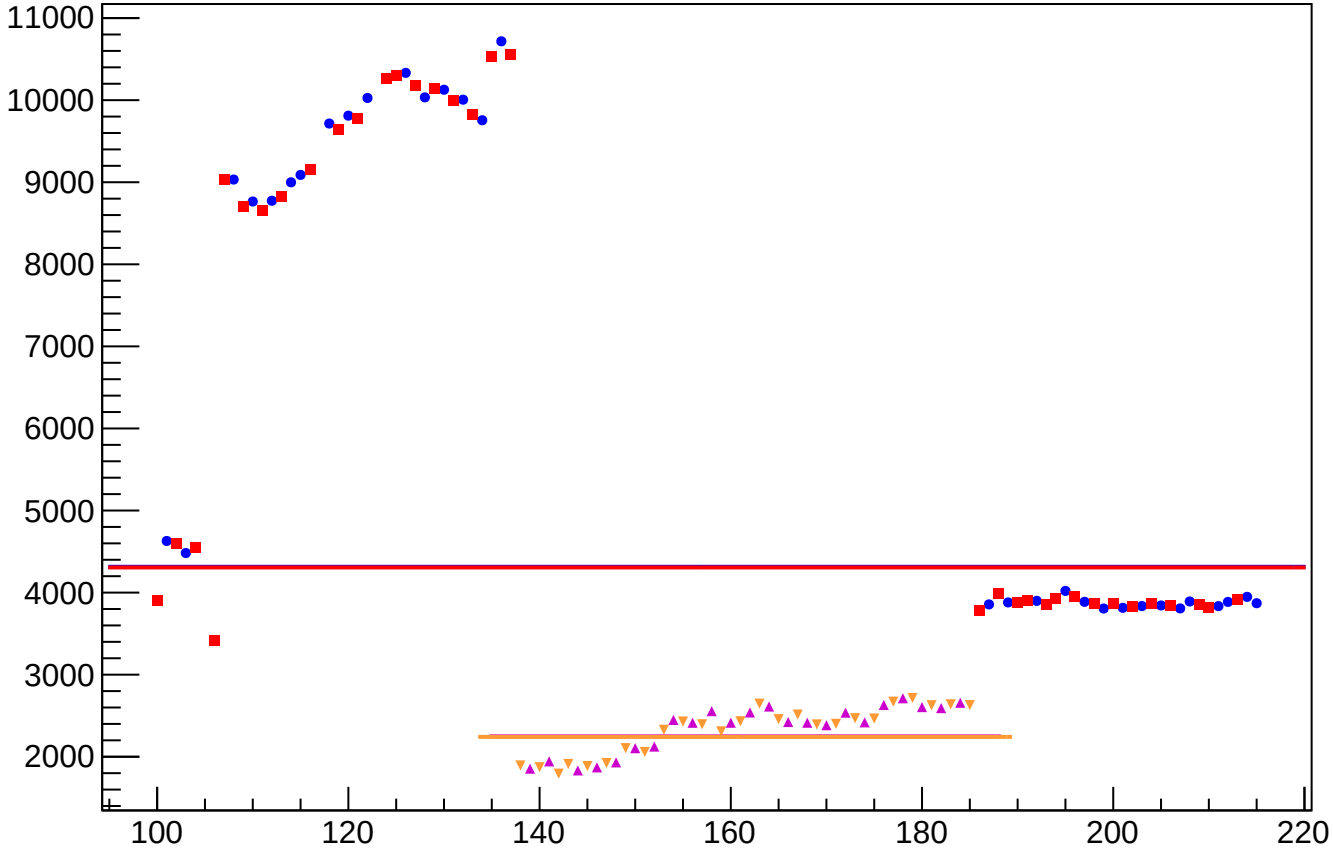
Right: 44.526+/-0.735 χ^2/NDF: 13378.4/64

In: 19.927+/-0.472 χ^2/NDF:6519.7/53

Out: 12.742+/-0.461 χ^2/NDF:8959.8/58

All: 16.249+/-0.330 χ^2/NDF: 15598.1/112

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4314.281+/-0.734 χ^2/NDF: 4070185.0/30

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4306.339+/-0.737 χ^2/NDF: 3980210.1/33

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

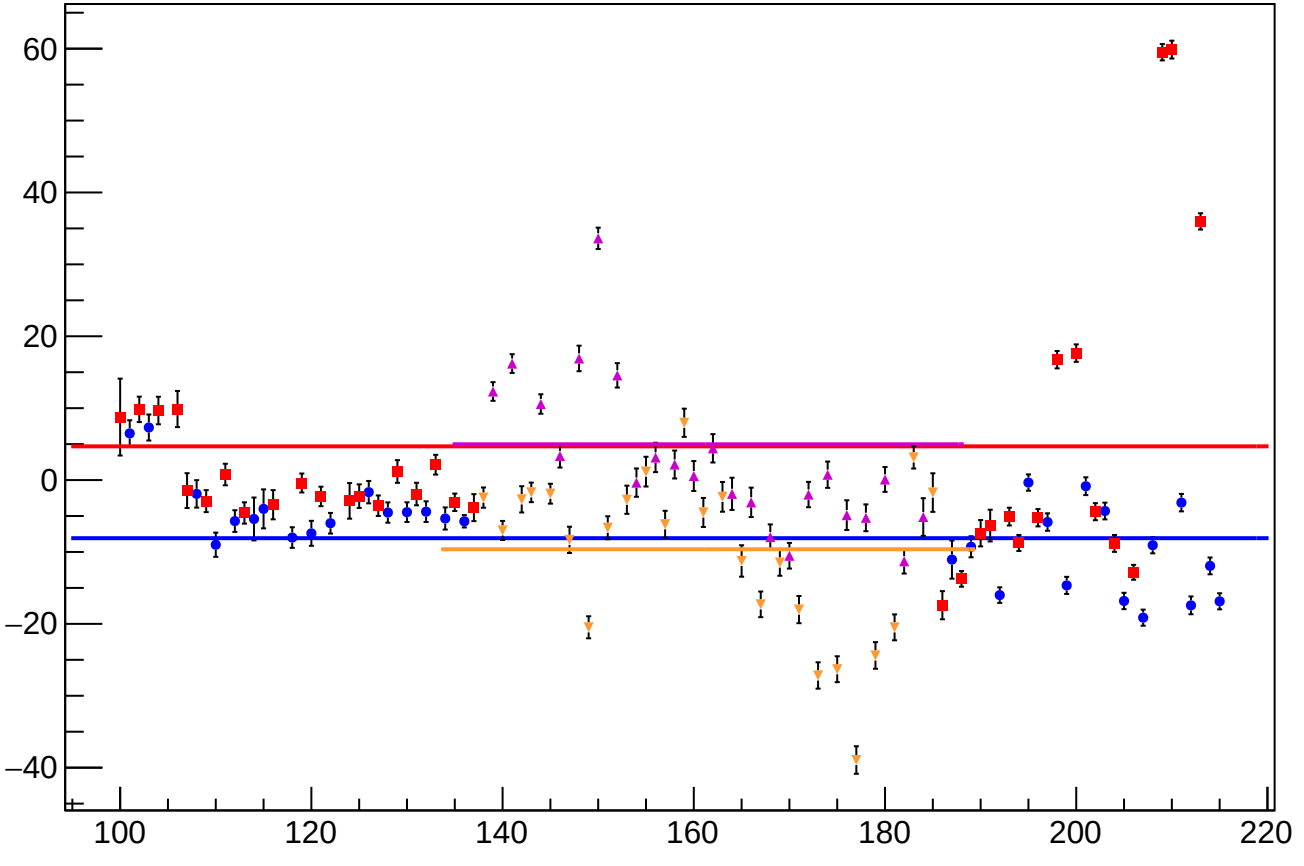
Right: 4310.325+/-0.520 χ^2/NDF: 8050453.4/64

In: 2675.842+/-0.334 χ^2/NDF:10994896.8/53

Out: 2646.296+/-0.326 χ^2/NDF:10949784.4/58

All: 2660.718+/-0.233 χ^2/NDF: 21948691.6/1

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -8.084+/-0.242 χ^2/NDF: 684.2/30

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 4.690+/-0.245 χ^2/NDF: 6819.4/33

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

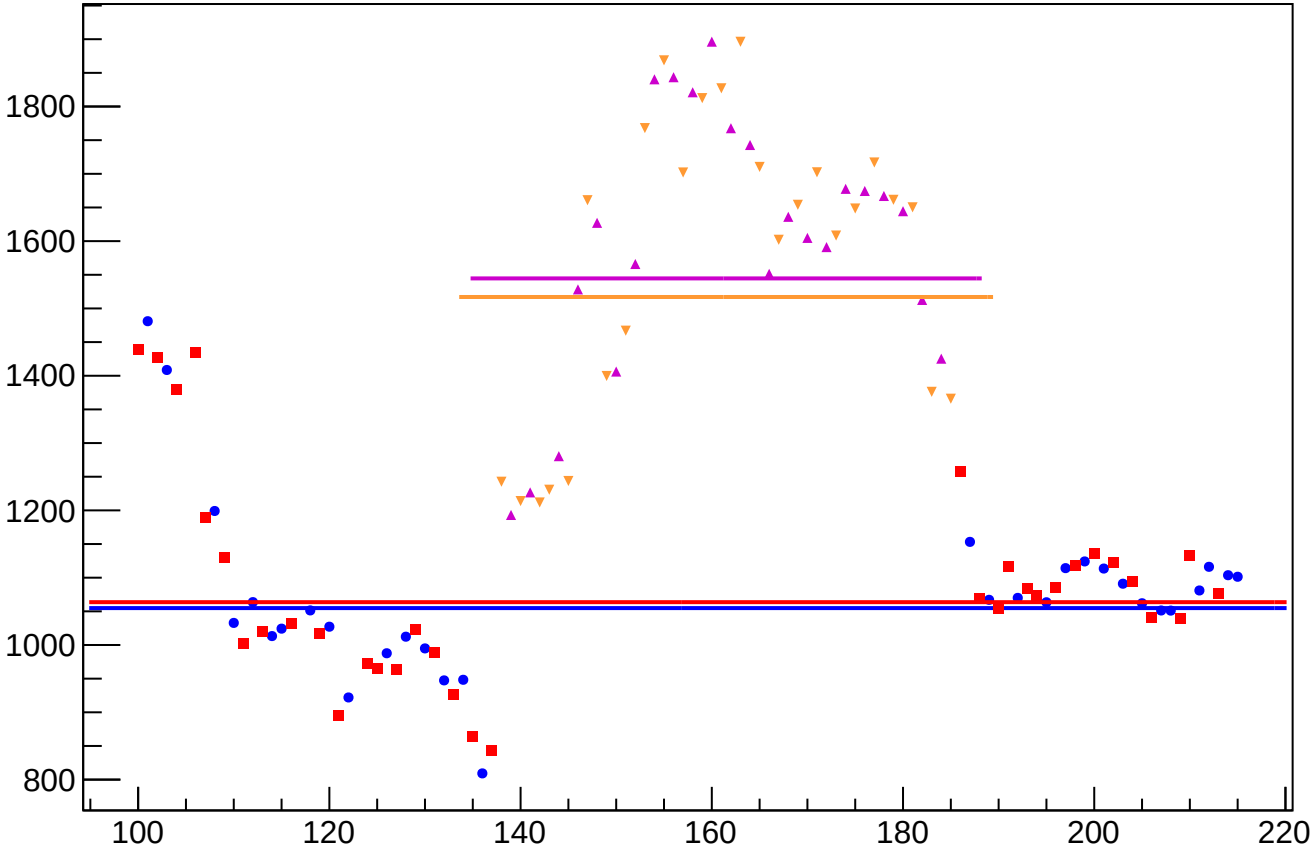
Right: -1.788+/-0.172 χ^2/NDF: 8882.2/64

In: -4.101+/-0.201 χ^2/NDF:2505.4/53

Out: -0.033+/-0.201 χ^2/NDF:8879.8/58

All: -2.059+/-0.142 χ^2/NDF: 11590.2/112

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1054.817+/-0.171 χ^2/NDF: 443380.2/30

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1063.631+/-0.173 χ^2/NDF: 414376.8/33

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

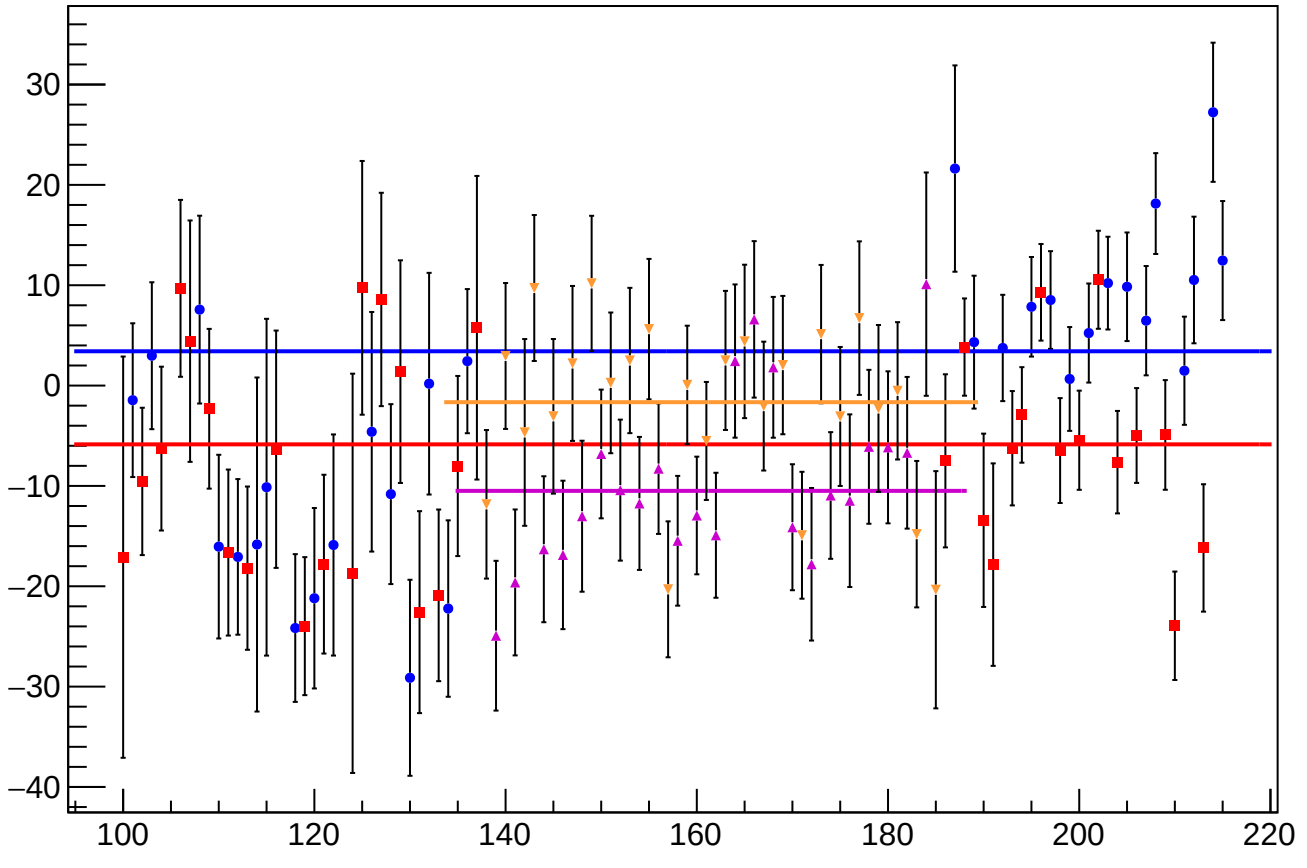
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1059.161+/-0.122 χ^2/NDF: 859069.8/64

In: 1204.202+/-0.142 χ^2/NDF:3590439.4/53

Out: 1213.240+/-0.142 χ^2/NDF:3507436.4/58

All: 1208.740+/-0.100 χ^2/NDF: 7099898.7/11



Right In: 3.418+/-1.209 χ^2/NDF: 94.8/30

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -5.857+/-1.194 χ^2/NDF: 69.9/33

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

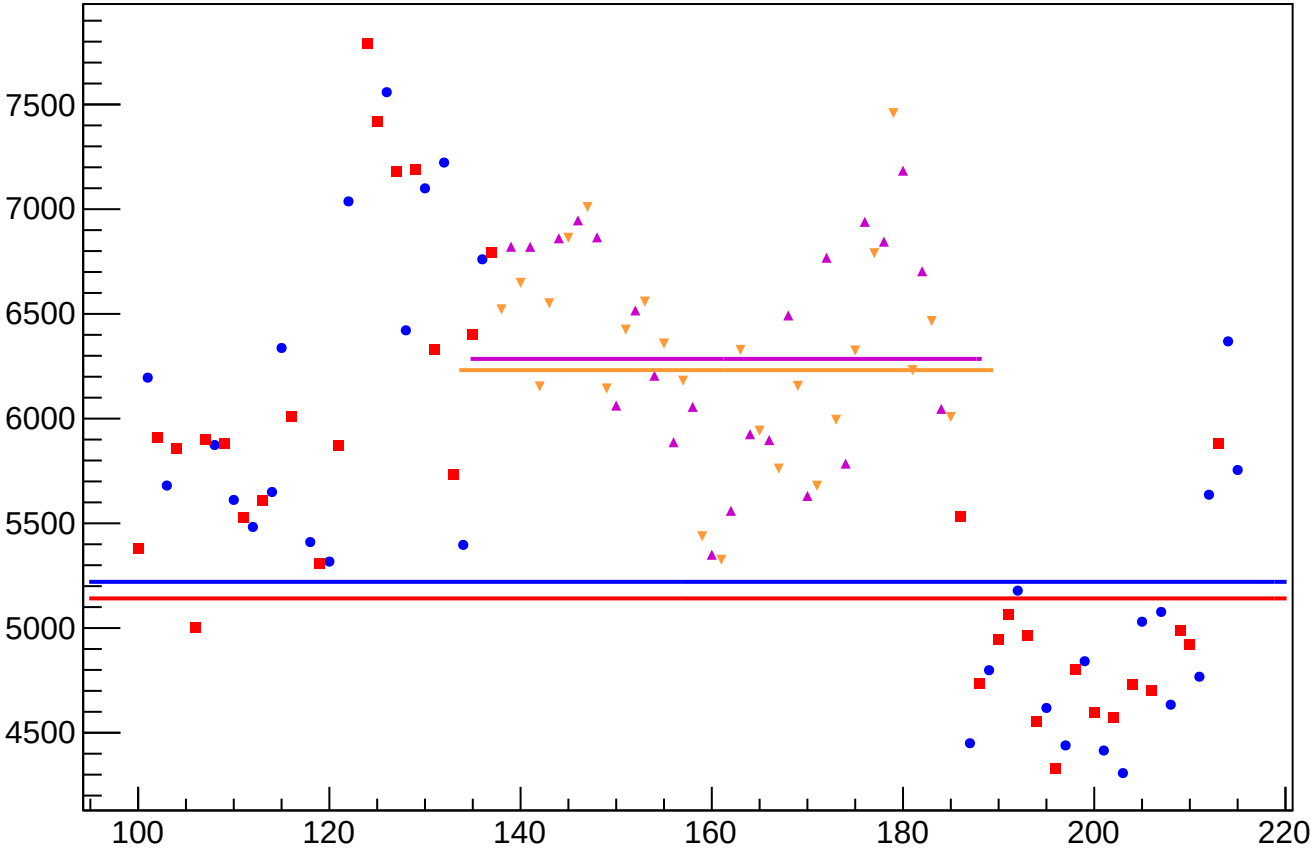
Right: -1.274+/-0.850 χ^2/NDF: 194.5/64

In: -2.149+/-0.936 χ^2/NDF:172.8/53

Out: -4.125+/-0.916 χ^2/NDF:106.5/58

All: -3.159+/-0.655 χ^2/NDF: 281.5/112

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5220.616+/-0.855 χ^2/NDF: 834661.2/30

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5141.482+/-0.845 χ^2/NDF: 673890.9/33

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

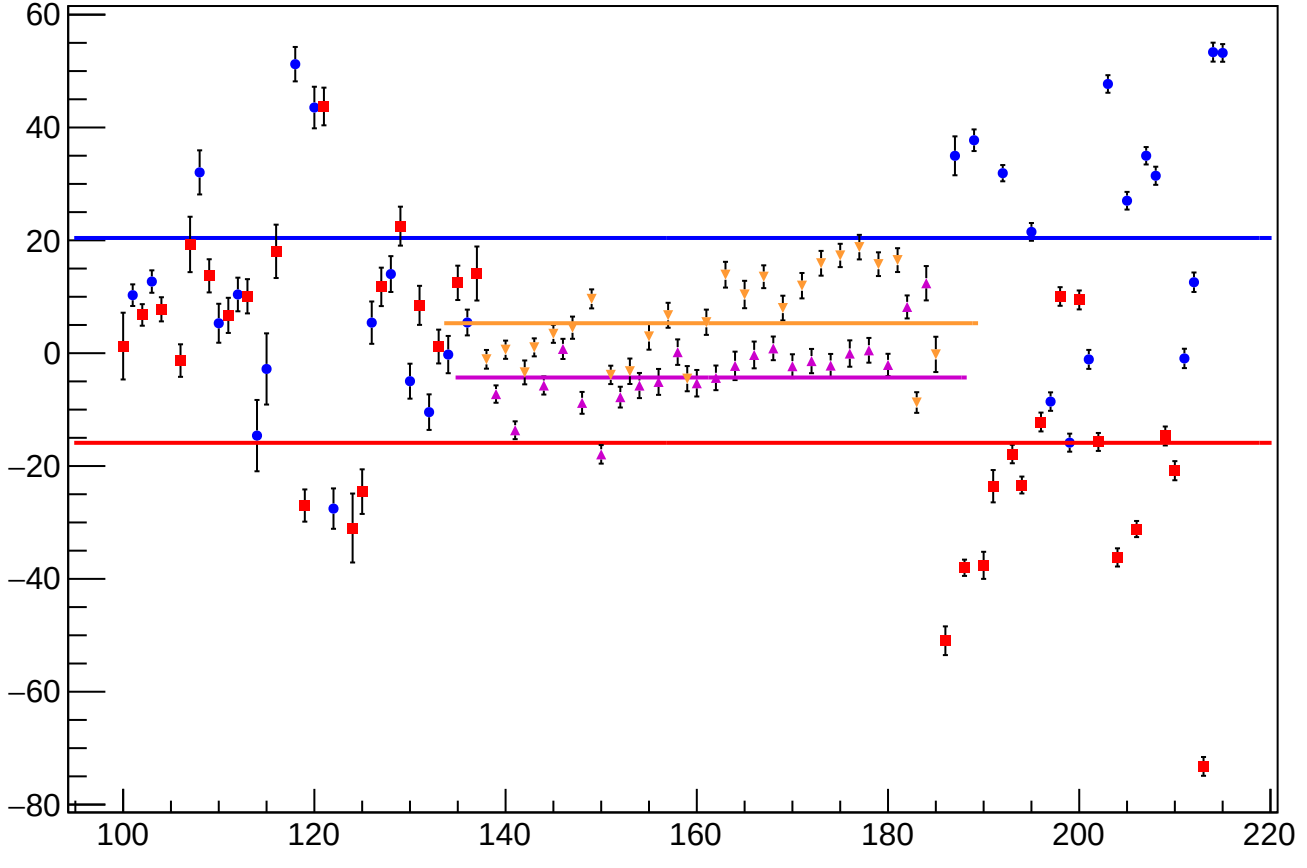
Right: 5180.581+/-0.601 χ^2/NDF: 1512889.3/64

In: 5646.600+/-0.662 χ^2/NDF:1720788.9/53

Out: 5590.853+/-0.648 χ^2/NDF:1587511.7/58

All: 5618.115+/-0.463 χ^2/NDF: 3311925.0/11

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 20.419+/-0.373 χ^2/NDF: 3329.0/30

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -15.886+/-0.377 χ^2/NDF: 3856.4/33

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

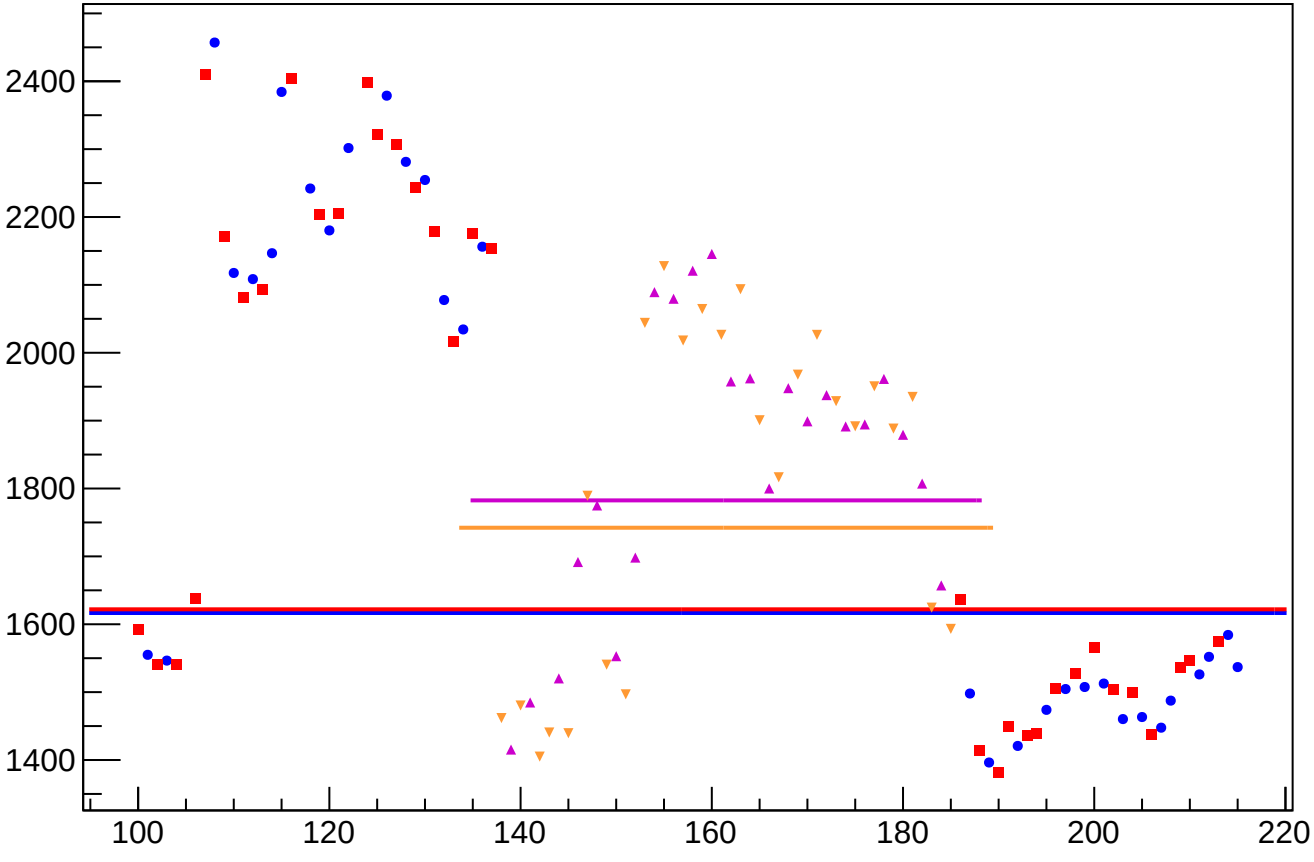
Right: 2.447+/-0.265 χ^2/NDF: 11869.7/64

In: 9.510+/-0.279 χ^2/NDF:5486.1/53

Out: -5.925+/-0.274 χ^2/NDF:5720.7/58

All: 1.665+/-0.196 χ^2/NDF: 12762.2/112

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1616.596+/-0.264 χ^2/NDF: 1081734.8/30

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1622.011+/-0.267 χ^2/NDF: 1046335.8/33

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

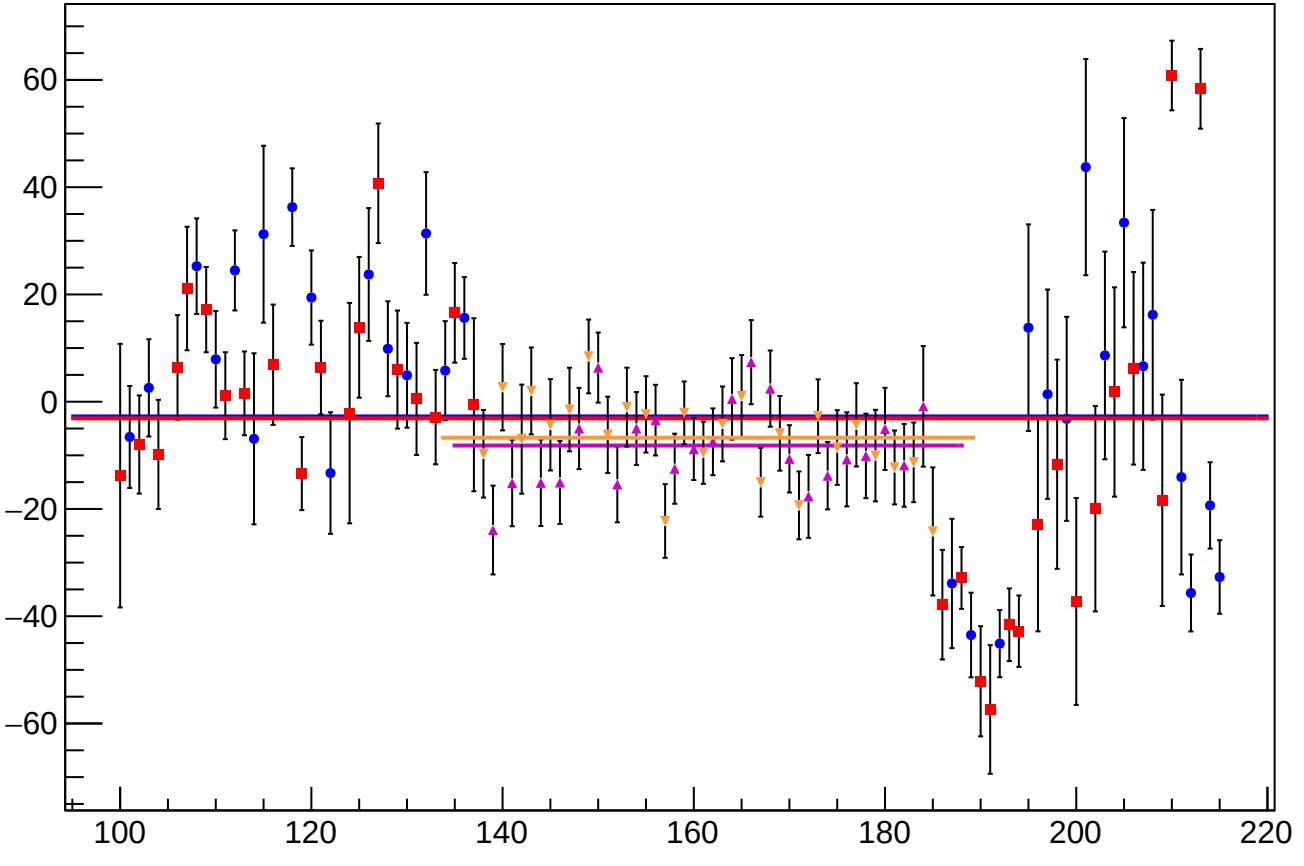
Right: 1619.277+/-0.188 χ^2/NDF: 2128279.0/64

In: 1689.782+/-0.197 χ^2/NDF:1790448.2/53

Out: 1678.498+/-0.194 χ^2/NDF:1909575.0/58

All: 1684.047+/-0.138 χ^2/NDF: 3701685.9/11

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: -2.750+/-1.800 χ^2/NDF: 223.5/30

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -3.100+/-1.679 χ^2/NDF: 360.7/33

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

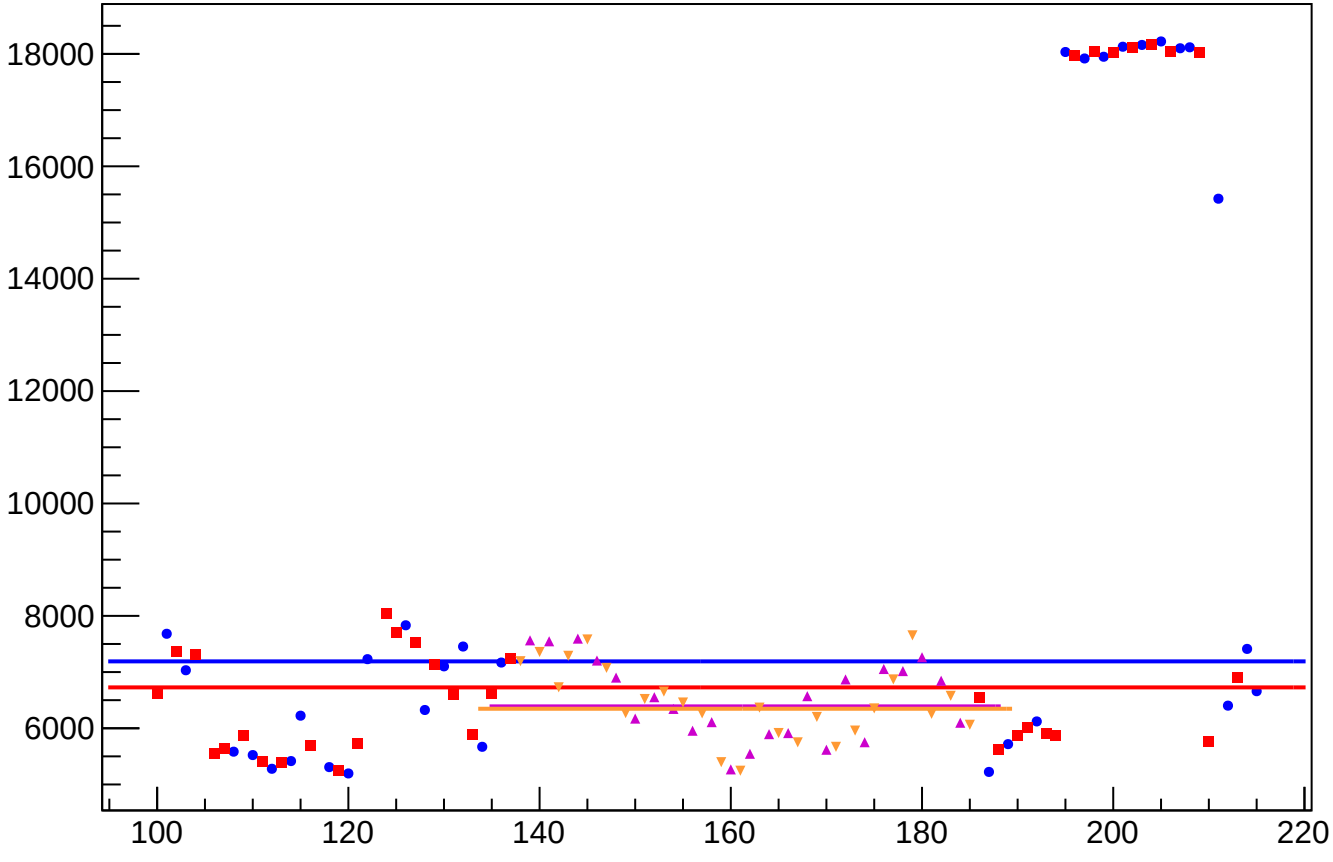
Right: -2.937+/-1.228 χ^2/NDF: 584.2/64

In: -5.932+/-1.157 χ^2/NDF:252.9/53

Out: -5.160+/-1.101 χ^2/NDF:389.0/58

All: -5.527+/-0.797 χ^2/NDF: 642.2/112

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 7190.413+/-1.273 χ^2/NDF: 6261677.4/30

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6727.391+/-1.187 χ^2/NDF: 5434254.7/33

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

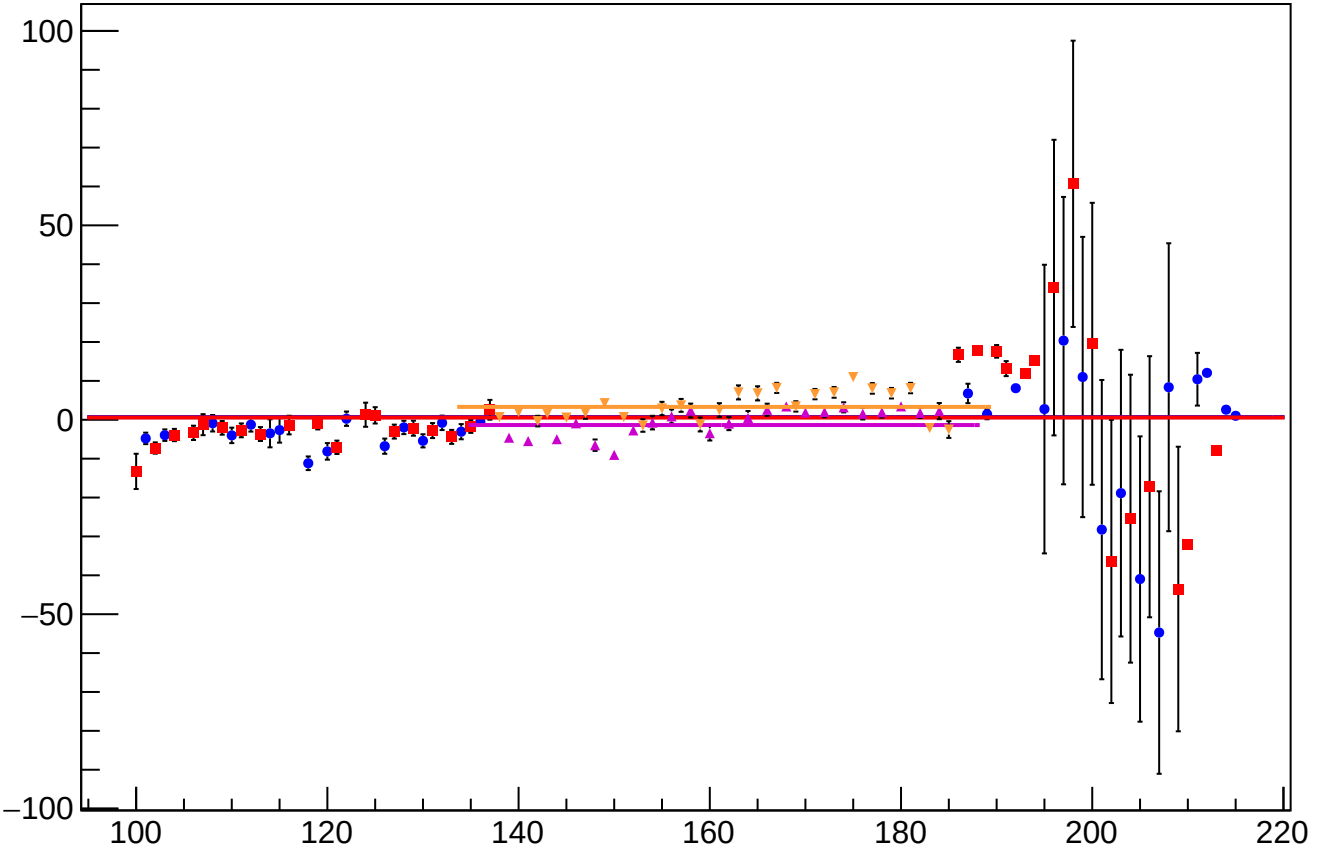
Right: 6942.857+/-0.868 χ^2/NDF: 11766685.3/64

In: 6720.260+/-0.818 χ^2/NDF:6913886.6/53

Out: 6510.628+/-0.778 χ^2/NDF:5878713.1/58

All: 6610.248+/-0.564 χ^2/NDF: 12827065.0/1

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: 0.688+/-0.324 χ^2/NDF: 308.6/30

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 0.581+/-0.314 χ^2/NDF: 1663.8/33

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

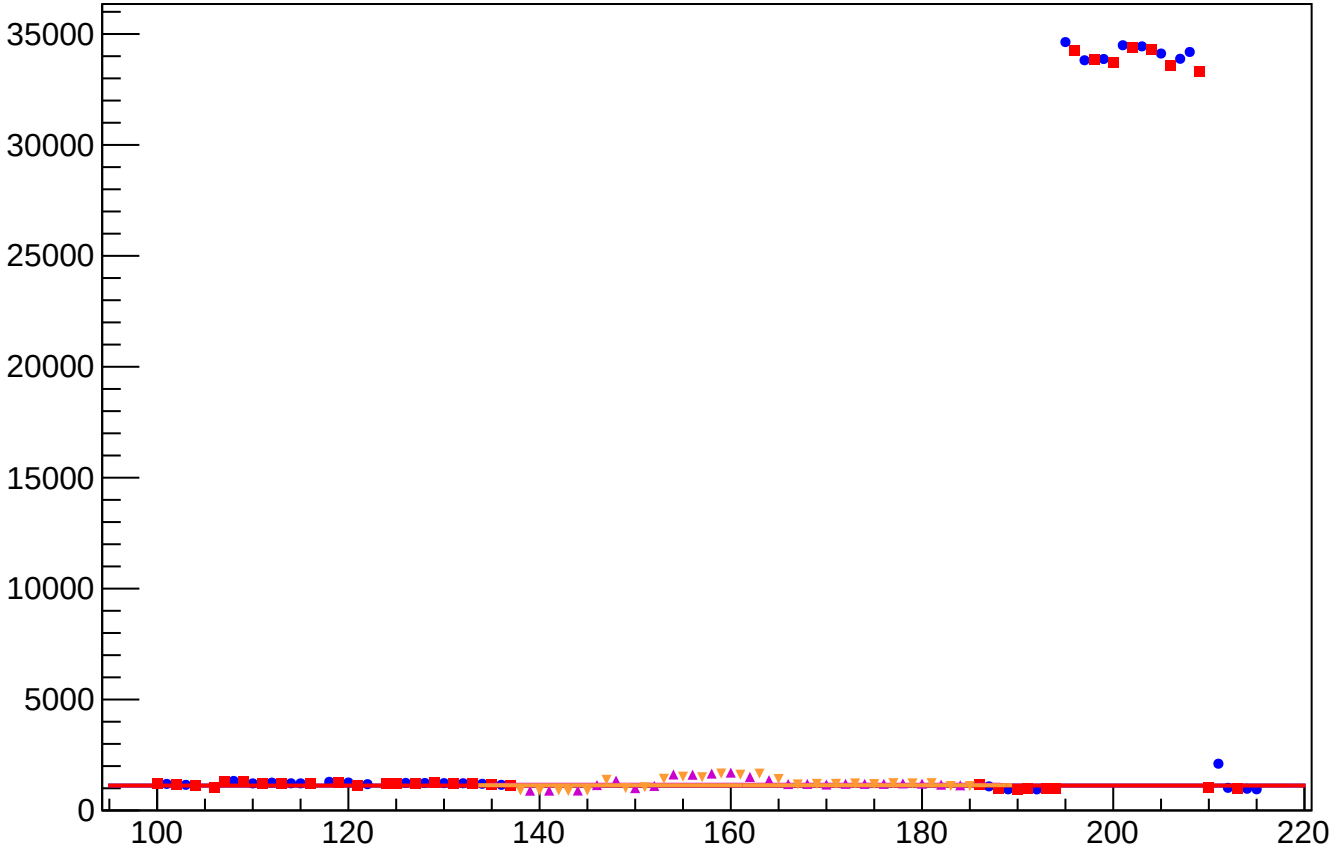
Right: 0.633+/-0.225 χ^2/NDF: 1972.5/64

In: -0.494+/-0.210 χ^2/NDF:527.8/53

Out: 2.176+/-0.202 χ^2/NDF:1886.0/58

All: 0.895+/-0.146 χ^2/NDF: 2497.6/112

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1121.560+/-0.229 χ^2/NDF: 13191879.7/30

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1122.118+/-0.222 χ^2/NDF: 11672349.9/33

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

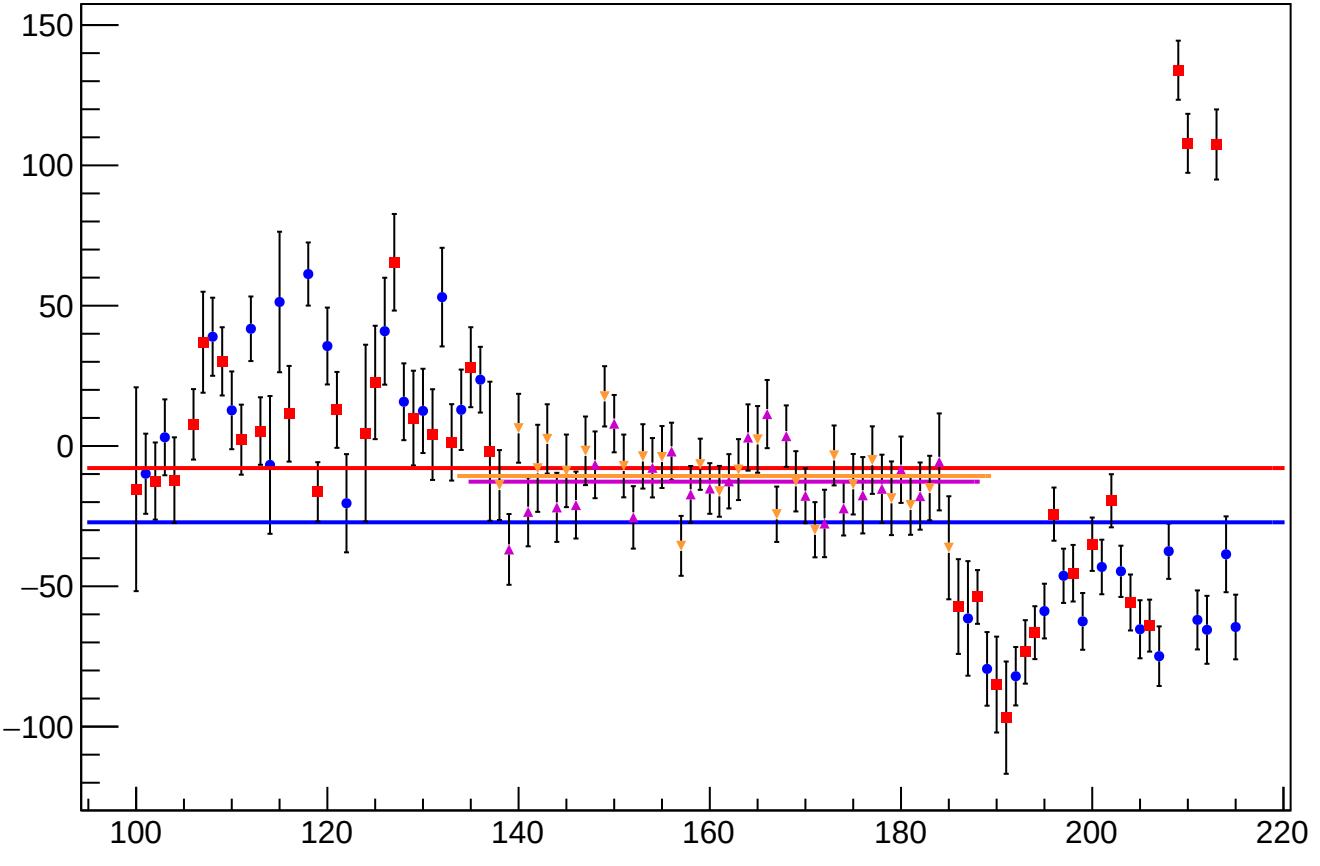
Right: 1121.848+/-0.159 χ^2/NDF: 24864232.7/64

In: 1143.482+/-0.149 χ^2/NDF:14467456.9/53

Out: 1130.903+/-0.143 χ^2/NDF:13144721.7/58

All: 1136.939+/-0.103 χ^2/NDF: 27615893.5/1

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -27.195+/-2.212 χ^2/NDF: 390.3/30

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -7.869+/-2.169 χ^2/NDF: 671.0/33

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

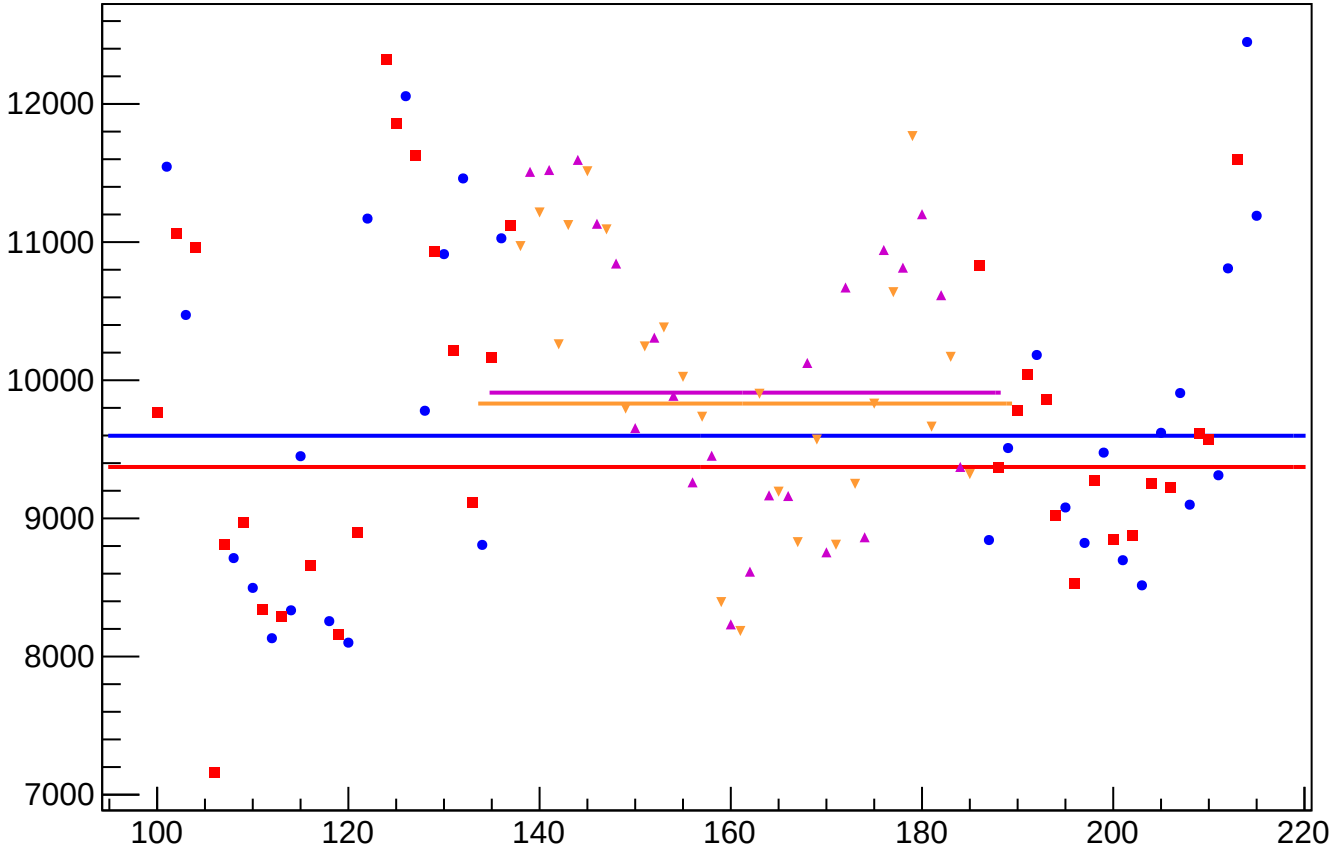
Right: -17.340+/-1.549 χ^2/NDF: 1100.2/64

In: -20.366+/-1.608 χ^2/NDF:434.6/53

Out: -9.226+/-1.564 χ^2/NDF:700.5/58

All: -14.641+/-1.121 χ^2/NDF: 1159.8/112

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9598.225+/-1.564 χ^2/NDF: 508698.8/30

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9372.189+/-1.534 χ^2/NDF: 420103.2/33

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

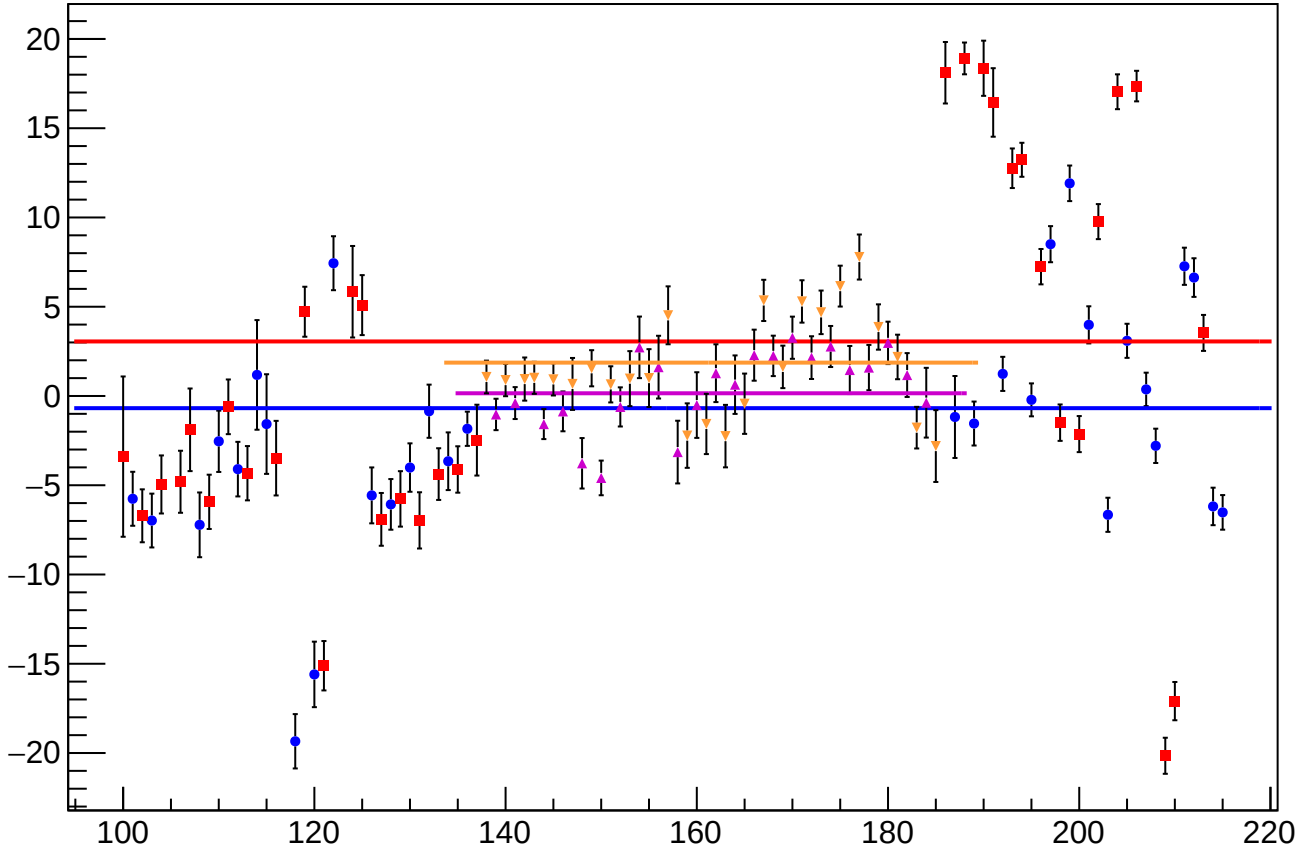
Right: 9482.959+/-1.095 χ^2/NDF: 939449.1/64

In: 9745.456+/-1.137 χ^2/NDF:916843.0/53

Out: 9592.564+/-1.106 χ^2/NDF:819252.6/58

All: 9666.890+/-0.793 χ^2/NDF: 1745388.7/11

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.682+/-0.219 χ^2/NDF: 824.5/30

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.055+/-0.221 χ^2/NDF: 2736.4/33

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

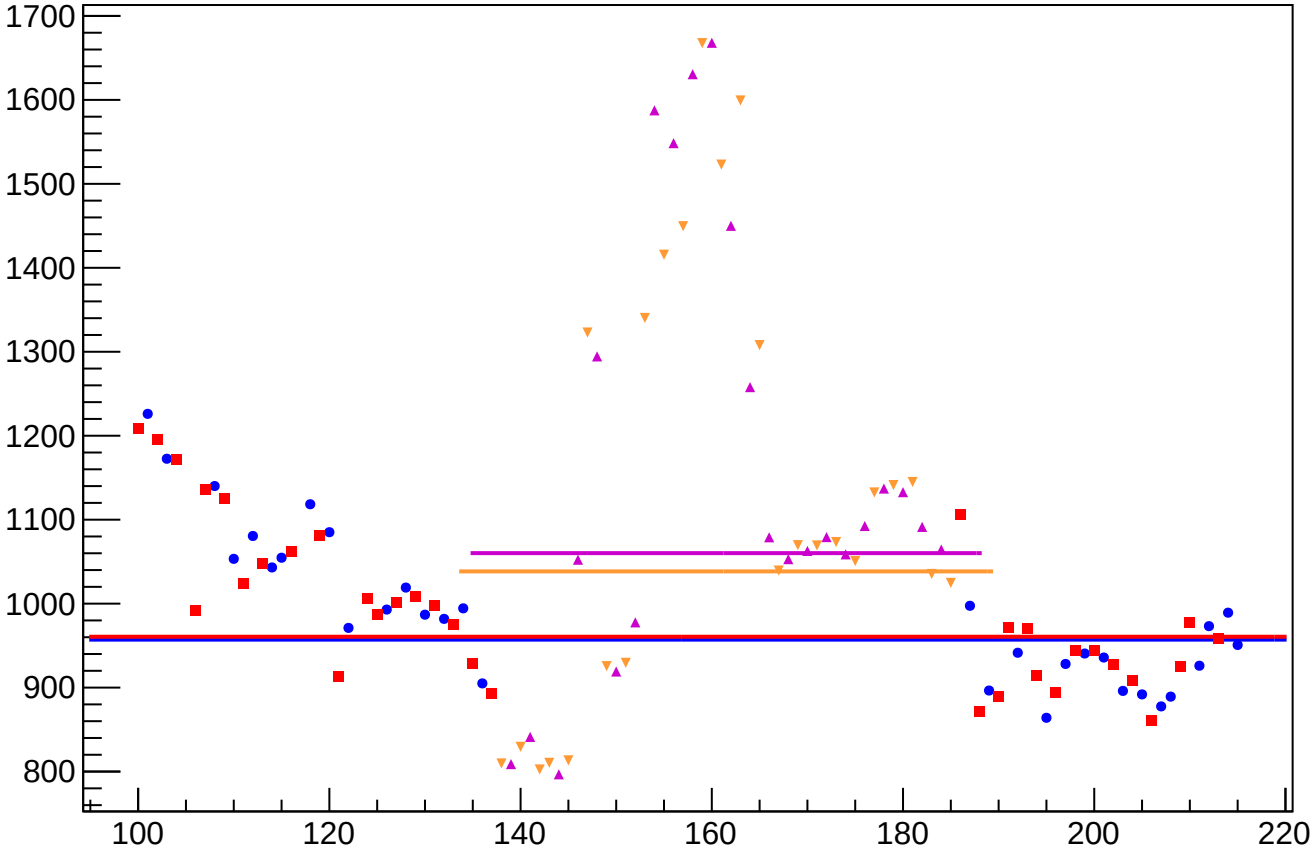
Right: 1.169+/-0.155 χ^2/NDF: 3705.5/64

In: -0.328+/-0.166 χ^2/NDF:906.3/53

Out: 2.518+/-0.163 χ^2/NDF:2852.6/58

All: 1.117+/-0.116 χ^2/NDF: 3908.4/112

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 957.151+/-0.155 χ^2/NDF: 268998.5/30

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 960.568+/-0.156 χ^2/NDF: 258760.3/33

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

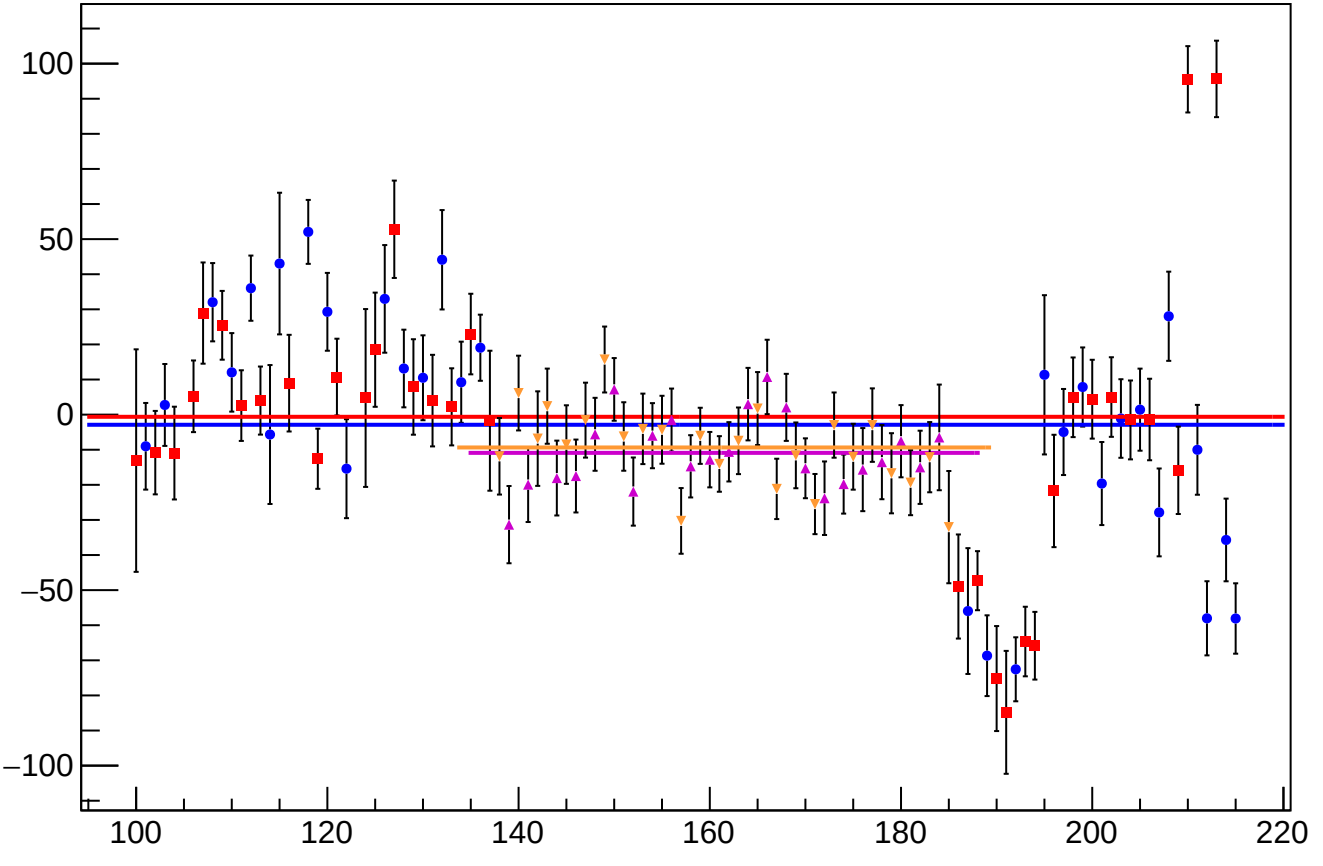
Right: 958.843+/-0.110 χ^2/NDF: 528000.6/64

In: 1000.904+/-0.117 χ^2/NDF:1980730.2/53

Out: 995.825+/-0.115 χ^2/NDF:2078026.6/58

All: 998.326+/-0.082 χ^2/NDF: 4059709.2/112

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: -2.890+/-2.126 χ^2/NDF: 285.7/30

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -0.618+/-2.030 χ^2/NDF: 400.5/33

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

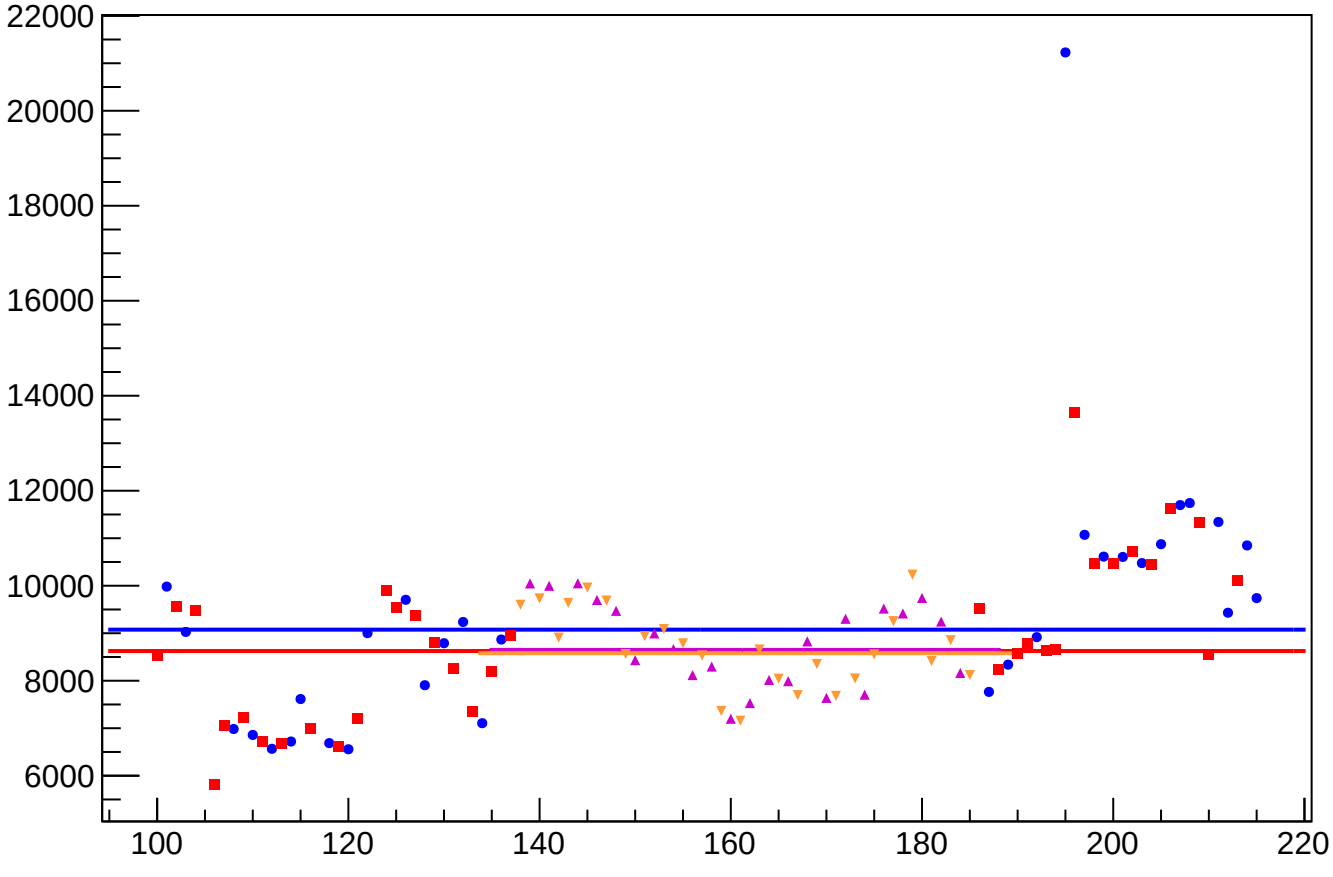
Right: -1.701+/-1.468 χ^2/NDF: 686.8/64

In: -7.052+/-1.473 χ^2/NDF:316.6/53

Out: -5.119+/-1.413 χ^2/NDF:438.5/58

All: -6.045+/-1.020 χ^2/NDF: 756.1/112

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 9075.358+/-1.504 χ^2/NDF: 1762196.6/30

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8625.443+/-1.435 χ^2/NDF: 1311861.0/33

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

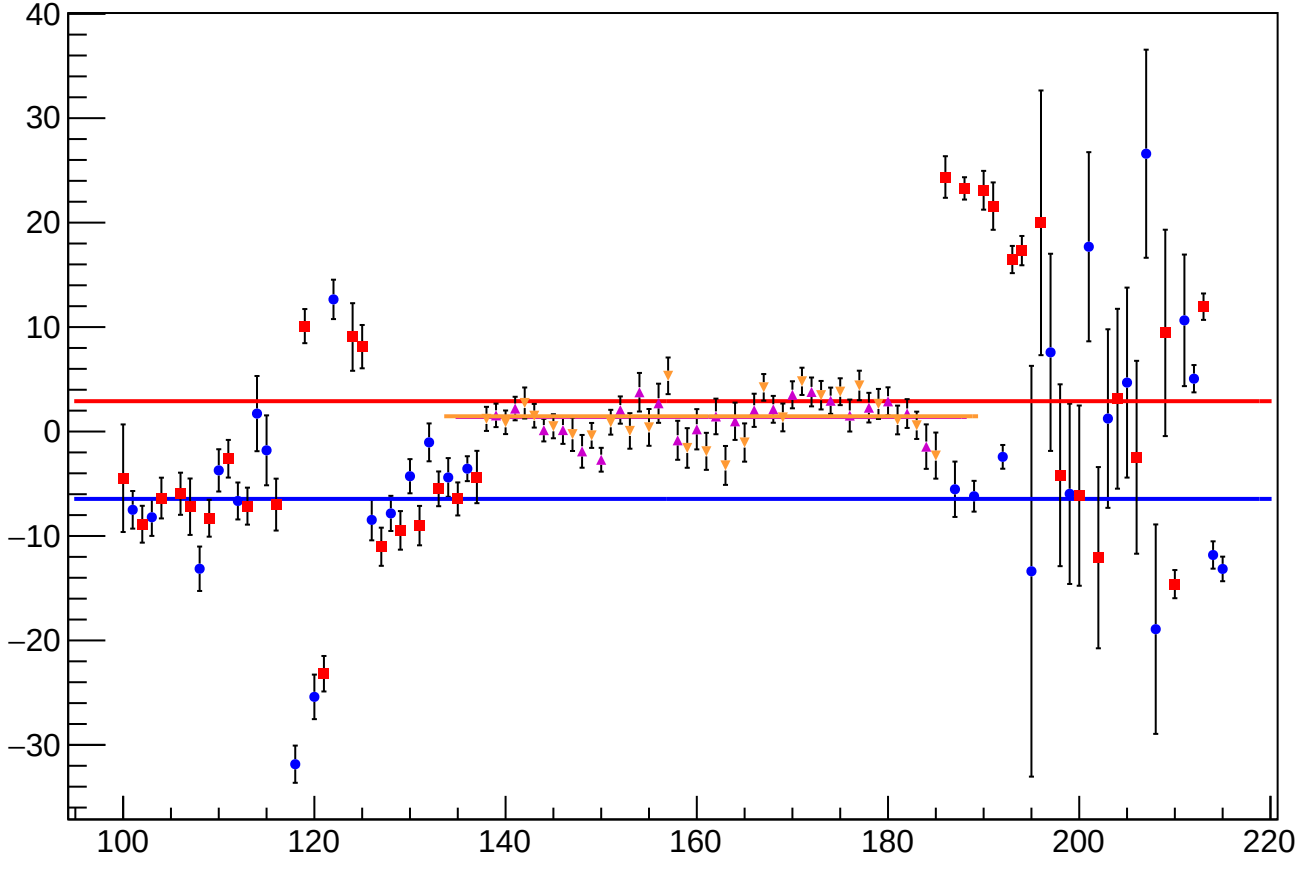
Right: 8839.941+/-1.038 χ^2/NDF: 3120912.0/64

In: 8853.734+/-1.042 χ^2/NDF:2181905.7/53

Out: 8601.209+/-0.999 χ^2/NDF:1656135.6/58

All: 8722.251+/-0.721 χ^2/NDF: 3868646.7/11

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.450+/-0.352 χ^2/NDF: 595.9/30

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 2.906+/-0.335 χ^2/NDF: 1783.8/33

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

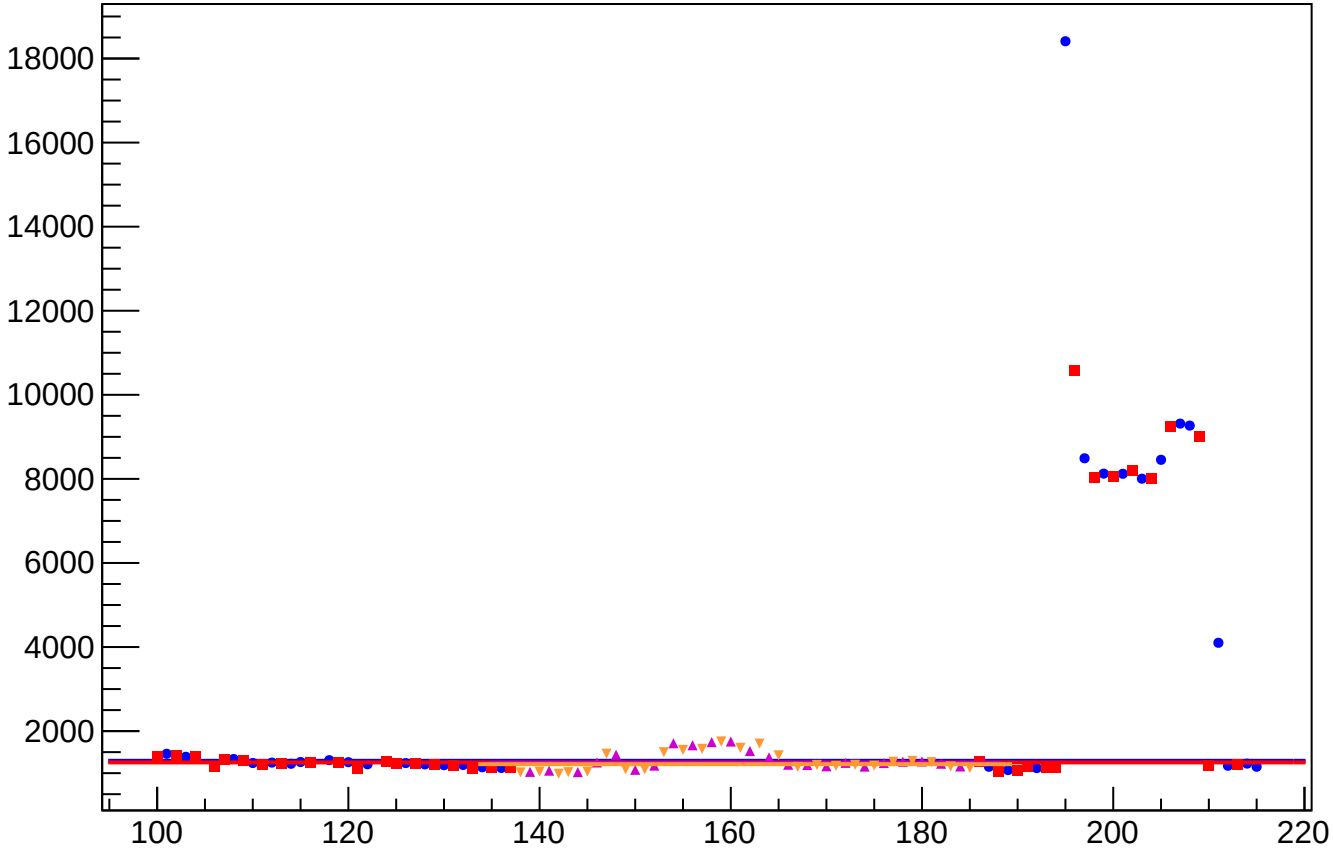
Right: -1.533+/-0.243 χ^2/NDF: 2750.3/64

In: -1.832+/-0.226 χ^2/NDF:923.1/53

Out: 2.057+/-0.215 χ^2/NDF:1845.8/58

All: 0.208+/-0.156 χ^2/NDF: 2924.4/112

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1293.399+/-0.249 χ^2/NDF: 10754052.2/30

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1255.546+/-0.237 χ^2/NDF: 9007429.6/33

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

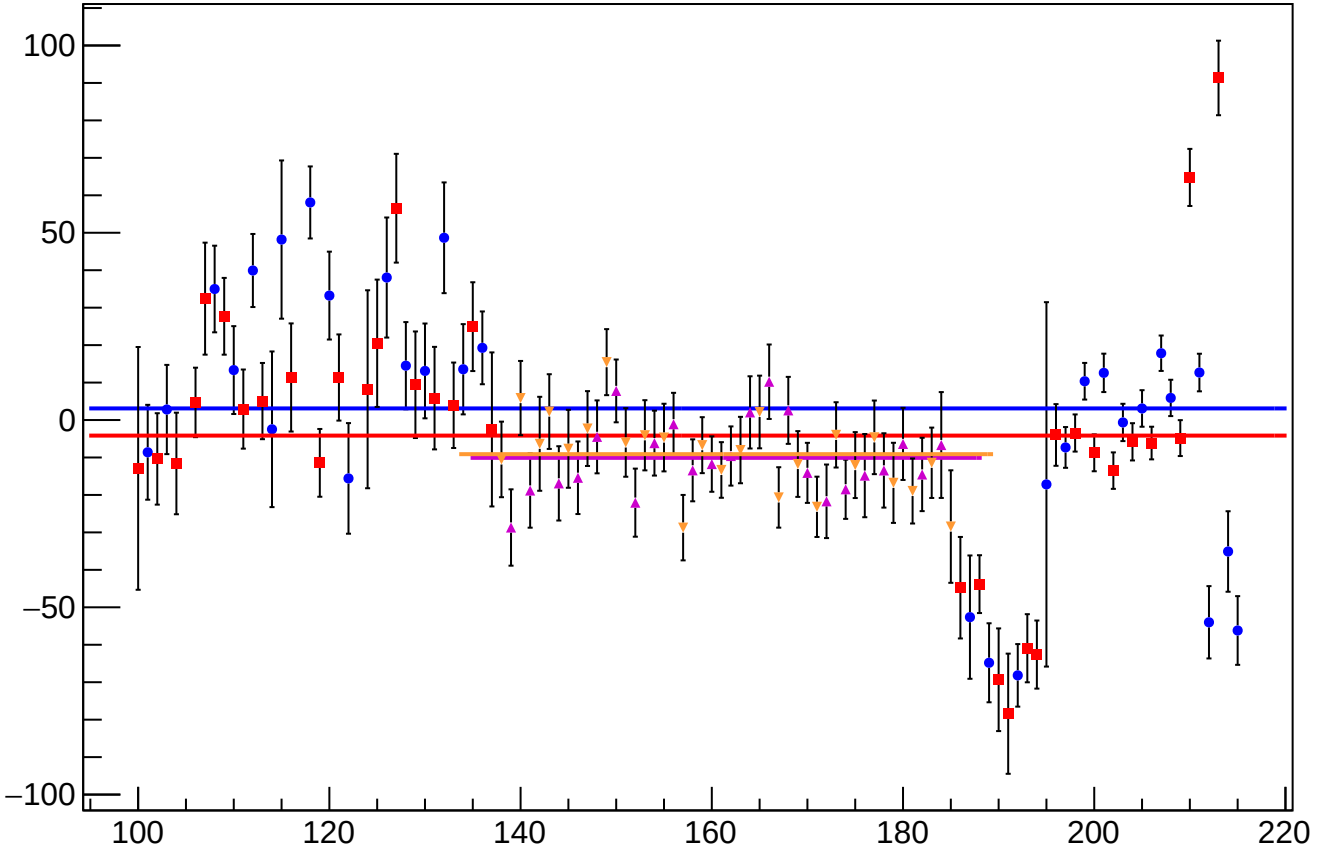
Right: 1273.506+/-0.172 χ^2/NDF: 19773615.0/64

In: 1261.458+/-0.160 χ^2/NDF:11667555.7/53

Out: 1230.706+/-0.152 χ^2/NDF:10038937.8/58

All: 1245.326+/-0.110 χ^2/NDF: 21725943.3/1

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 3.100+/-1.433 χ^2/NDF: 327.2/30

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -4.157+/-1.447 χ^2/NDF: 388.4/33

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

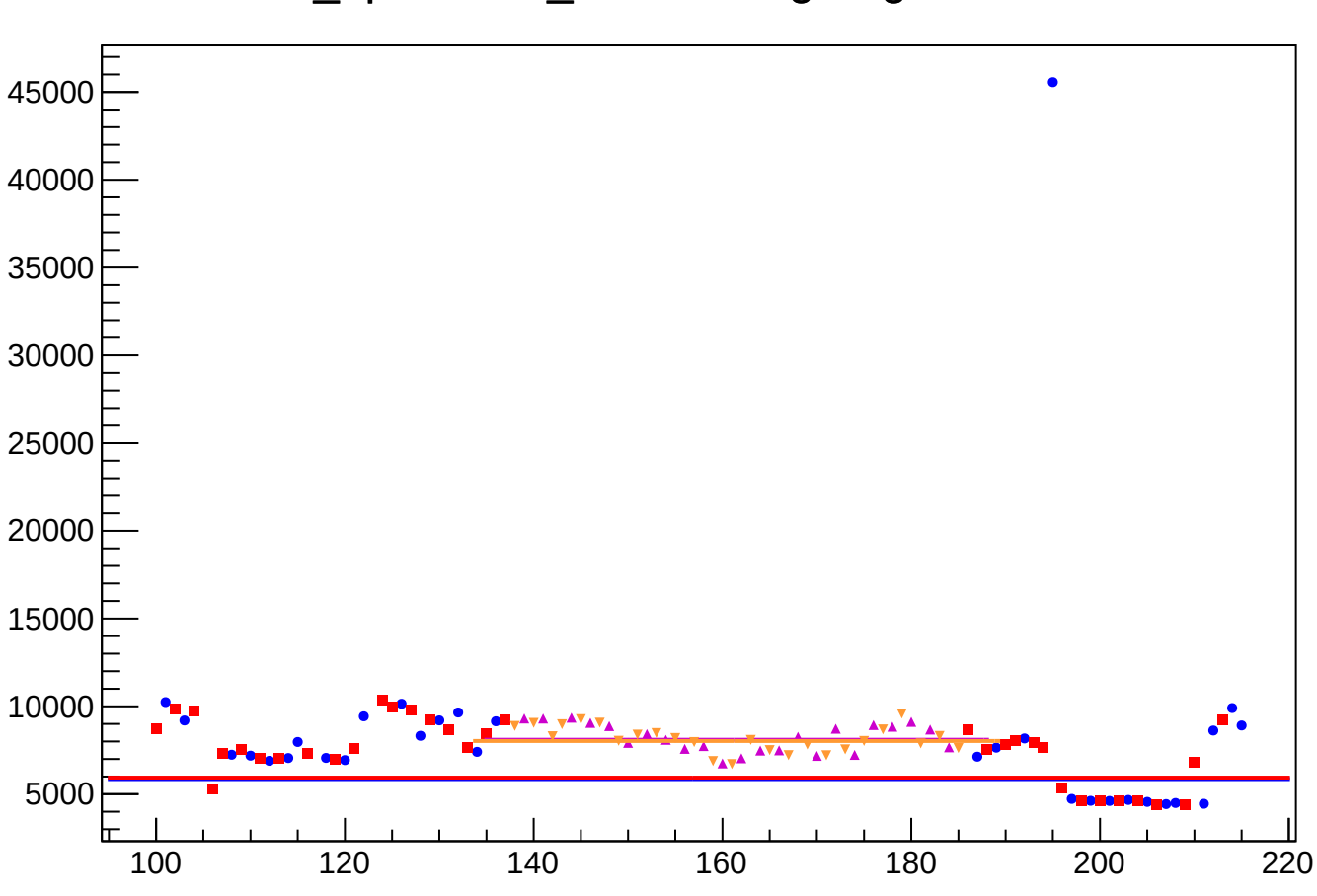
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: -0.492+/-1.018 χ^2/NDF: 728.2/64

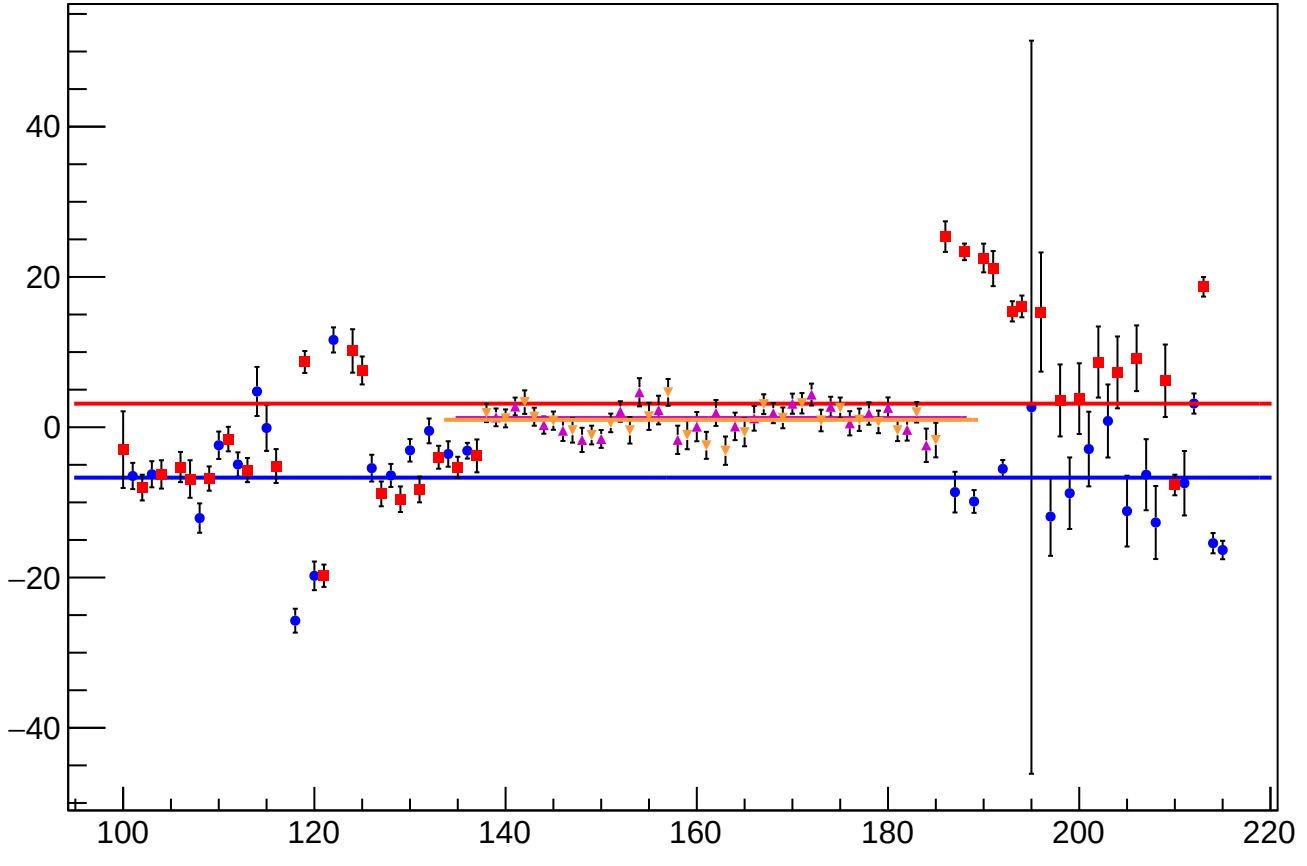
In: -1.649+/-1.147 χ^2/NDF:382.0/53

Out: -6.049+/-1.138 χ^2/NDF:421.6/58

All: -3.865+/-0.808 χ^2/NDF: 811.0/112


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: 5856.948+/-1.013 χ²/NDF: 4742314.4/30
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 5939.201+/-1.024 χ²/NDF: 2976648.0/33
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 5897.665+/-0.720 χ²/NDF: 7722223.8/64
In: 6662.530+/-0.811 χ²/NDF:6865764.9/53
Out: 6736.394+/-0.805 χ²/NDF:4898720.7/58
All: 6699.733+/-0.571 χ²/NDF: 11768666.0/1

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -6.707+/-0.332 χ^2/NDF: 548.1/30

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 3.139+/-0.318 χ^2/NDF: 1671.1/33

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

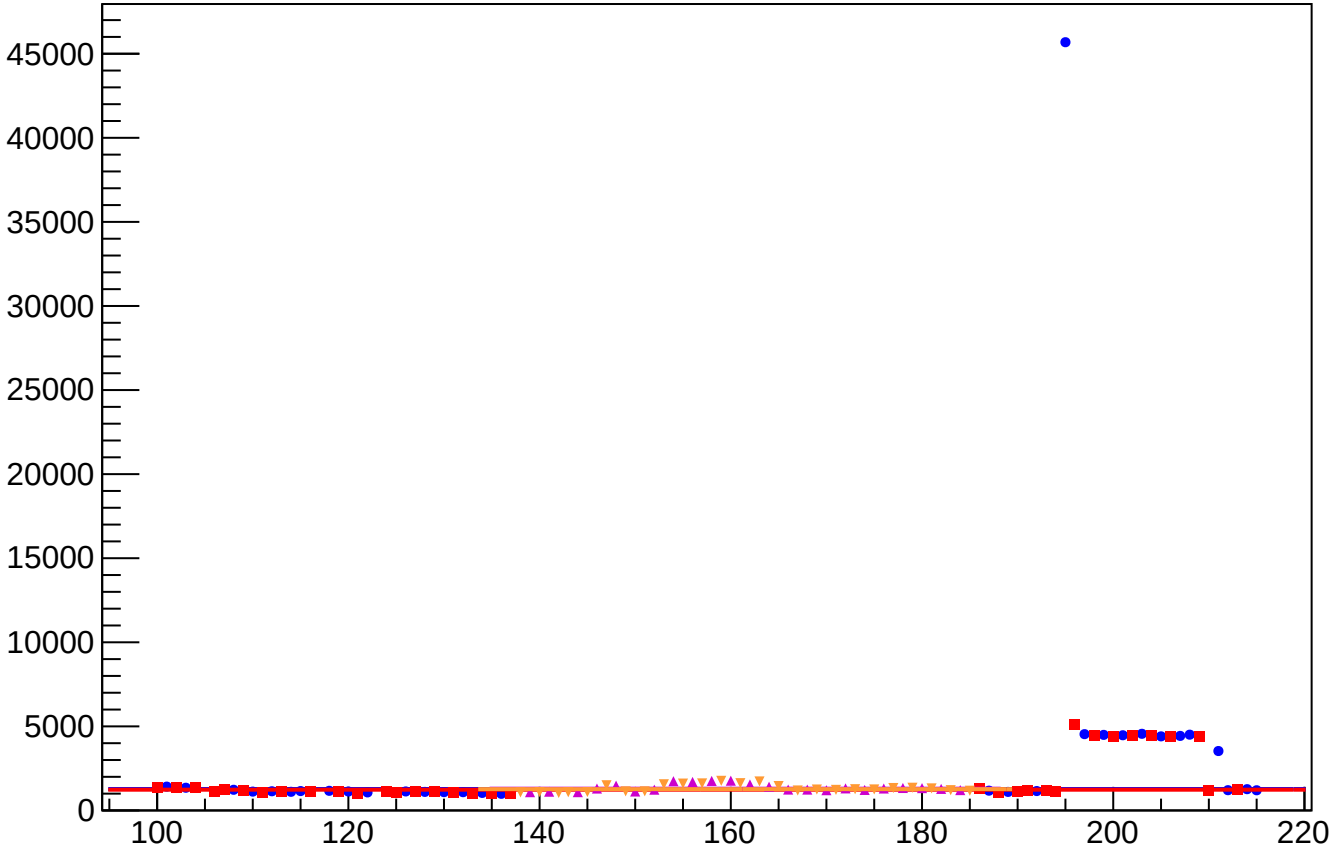
Right: -1.566+/-0.230 χ^2/NDF: 2678.2/64

In: -2.427+/-0.225 χ^2/NDF:888.8/53

Out: 1.974+/-0.215 χ^2/NDF:1726.9/58

All: -0.125+/-0.156 χ^2/NDF: 2815.4/112

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1273.583+/-0.235 χ^2/NDF: 8754384.4/30

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1235.166+/-0.225 χ^2/NDF: 6403082.9/33

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

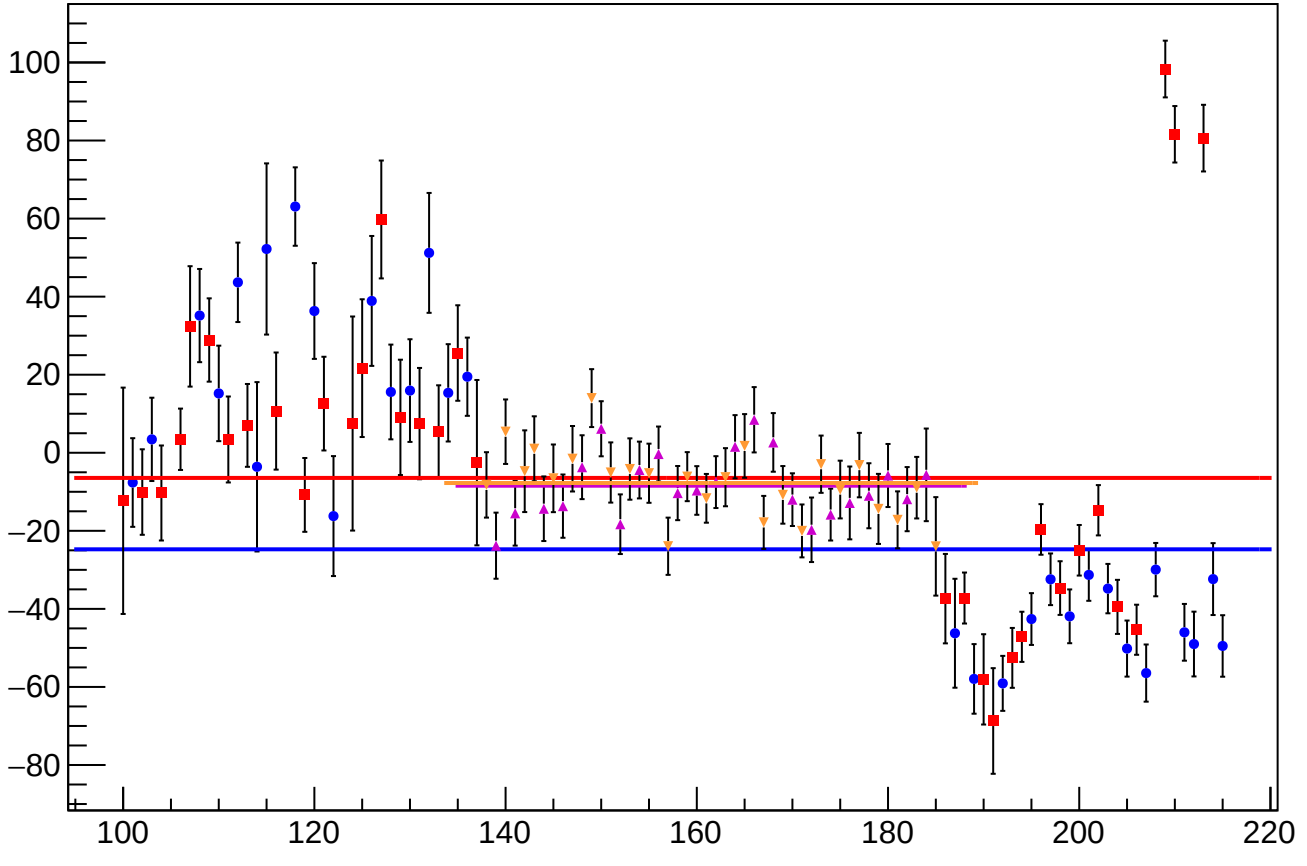
Right: 1253.522+/-0.162 χ^2/NDF: 15171441.6/64

In: 1284.648+/-0.159 χ^2/NDF:9516689.5/53

Out: 1252.622+/-0.152 χ^2/NDF:7292666.7/58

All: 1267.898+/-0.110 χ^2/NDF: 16830498.2/

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -24.738+/-1.634 χ^2/NDF: 412.3/30

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -6.446+/-1.592 χ^2/NDF: 754.6/33

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

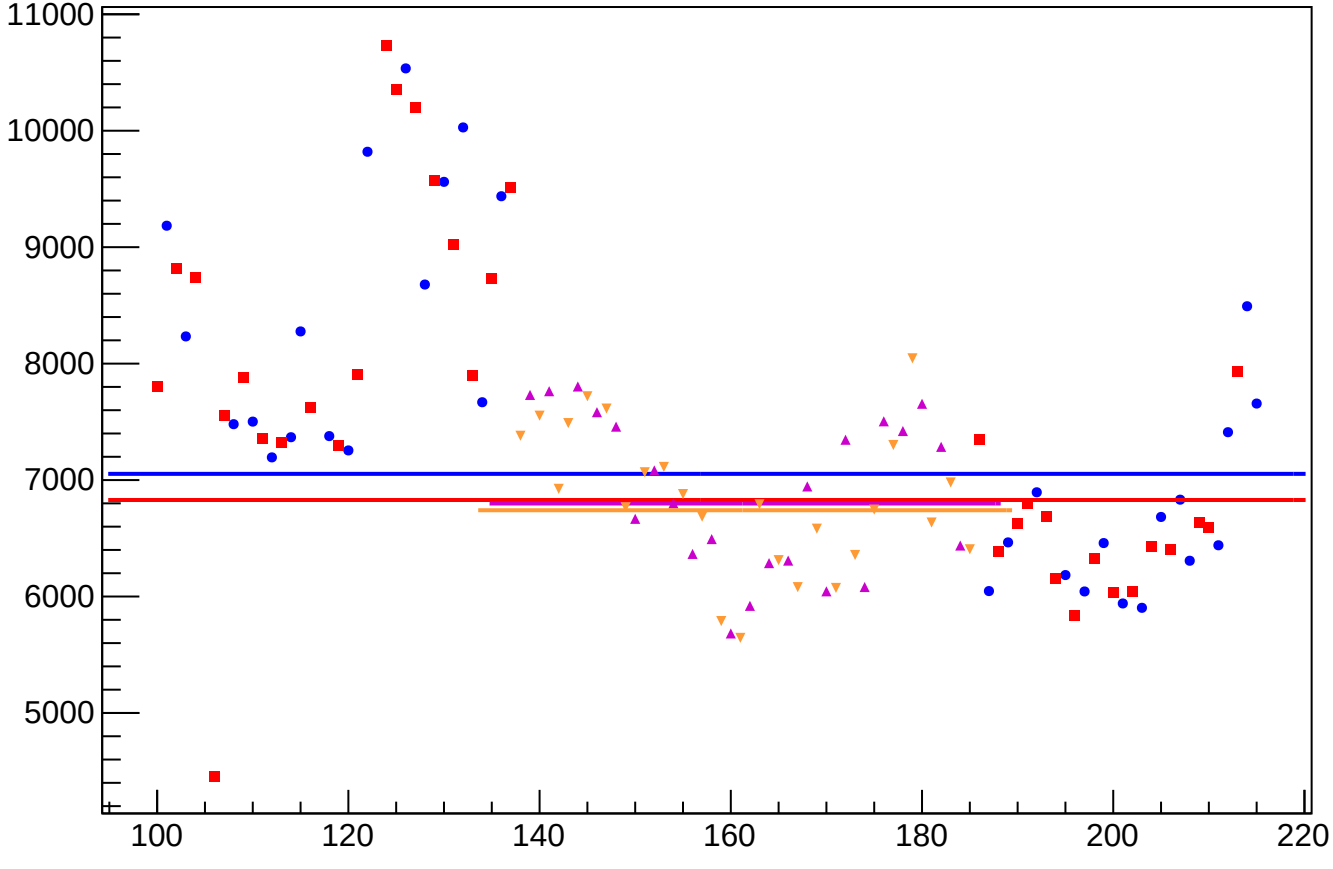
Right: -15.354+/-1.140 χ^2/NDF: 1231.2/64

In: -16.441+/-1.145 χ^2/NDF:487.8/53

Out: -7.118+/-1.109 χ^2/NDF:785.4/58

All: -11.632+/-0.797 χ^2/NDF: 1307.4/112

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7053.388+/-1.155 χ^2/NDF: 911540.5/30

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6828.877+/-1.126 χ^2/NDF: 998668.6/33

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

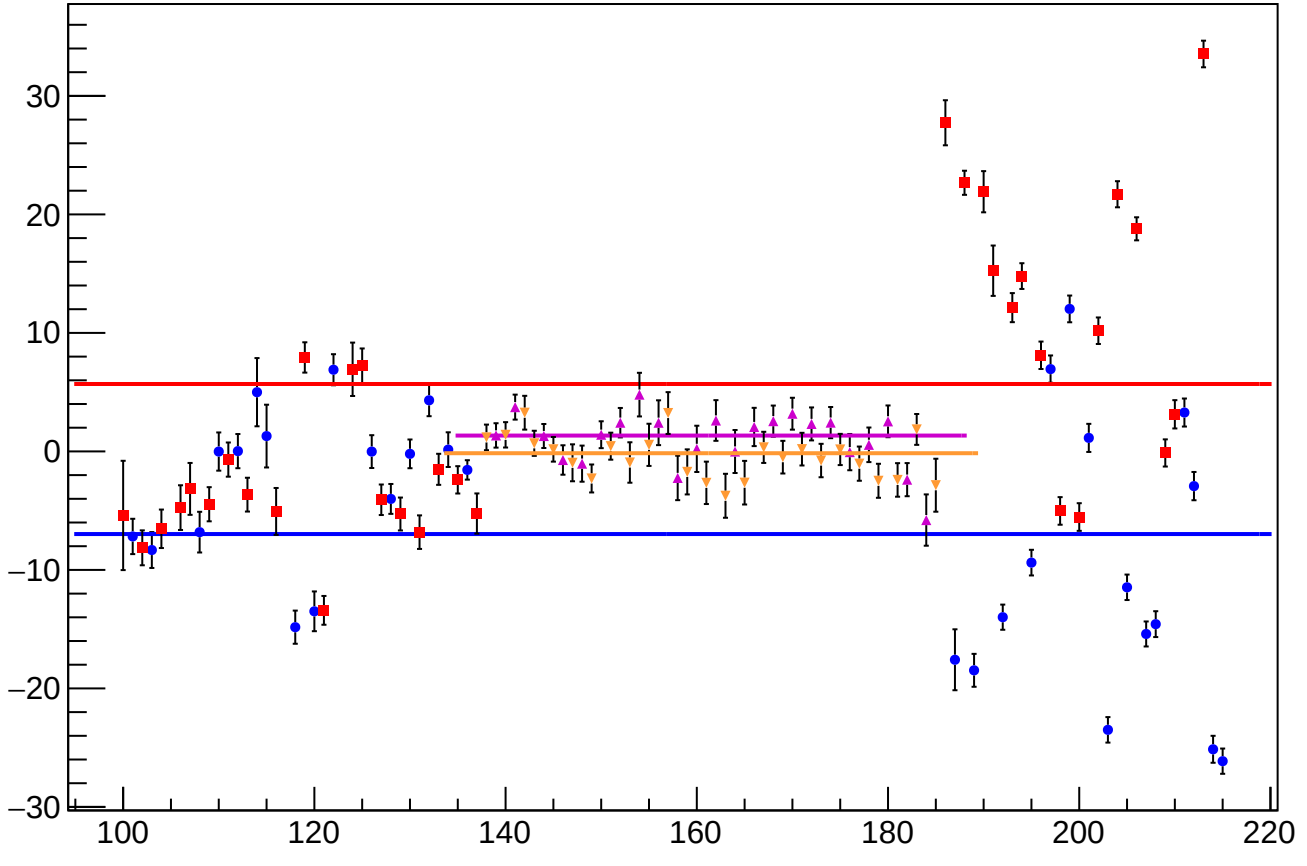
Right: 6938.217+/-0.806 χ^2/NDF: 1929581.9/64

In: 6923.659+/-0.810 χ^2/NDF:1289590.2/53

Out: 6783.585+/-0.784 χ^2/NDF:1318523.1/58

All: 6851.414+/-0.563 χ^2/NDF: 2623555.5/11

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -6.973+/-0.227 χ^2/NDF: 2070.1/30

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 5.689+/-0.231 χ^2/NDF: 2762.2/33

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

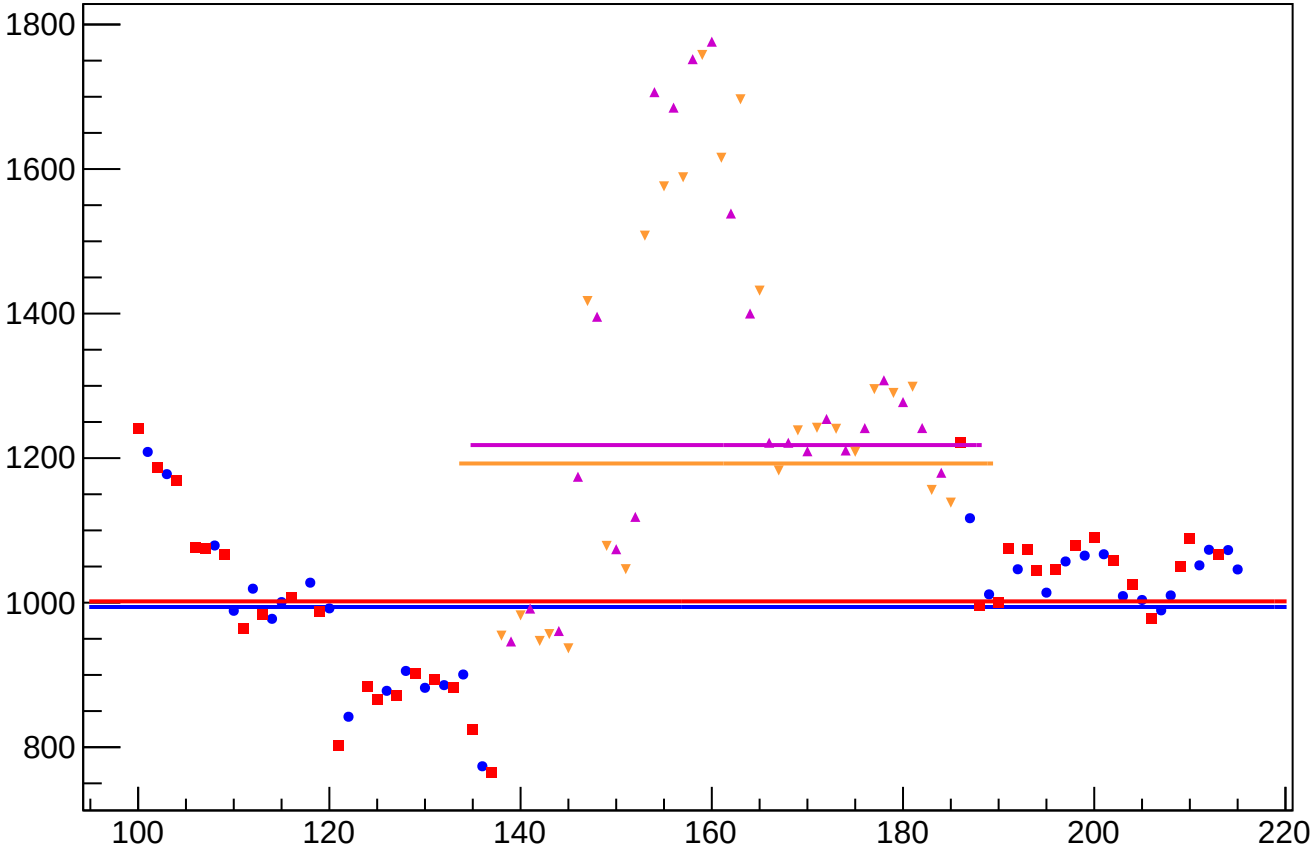
Right: -0.734+/-0.162 χ^2/NDF: 6360.6/64

In: -3.812+/-0.179 χ^2/NDF:2622.3/53

Out: 3.294+/-0.177 χ^2/NDF:3061.2/58

All: -0.223+/-0.126 χ^2/NDF: 6479.6/112

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 993.994+/-0.161 χ^2/NDF: 371941.5/30

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 1001.794+/-0.163 χ^2/NDF: 382239.8/33

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

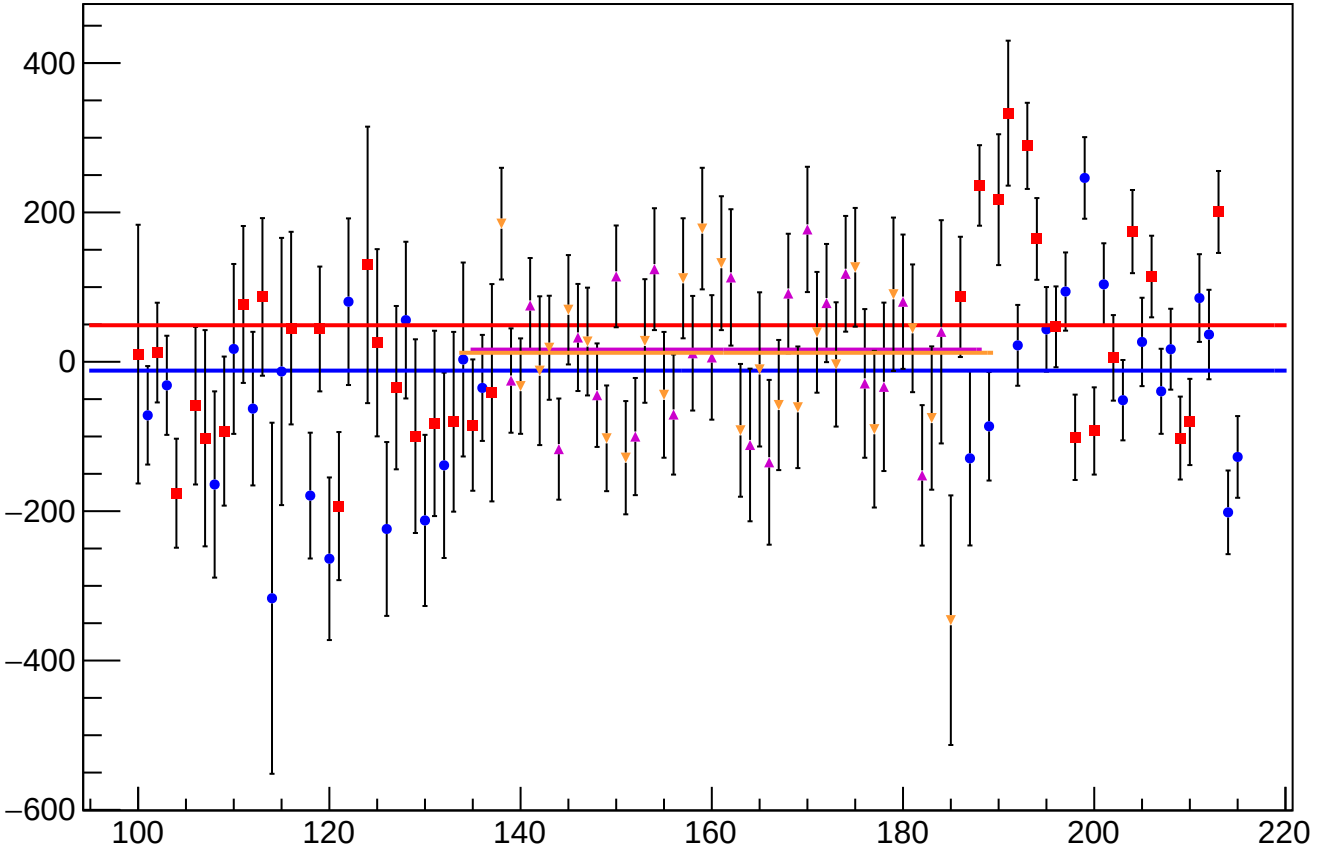
Right: 997.838+/-0.115 χ^2/NDF: 755341.2/64

In: 1079.236+/-0.127 χ^2/NDF:2238757.5/53

Out: 1080.018+/-0.125 χ^2/NDF:2263377.0/58

All: 1079.631+/-0.089 χ^2/NDF: 4502153.8/11

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -11.807+/-12.846 χ^2/NDF: 77.3/30

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 48.943+/-12.970 χ^2/NDF: 113.5/33

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

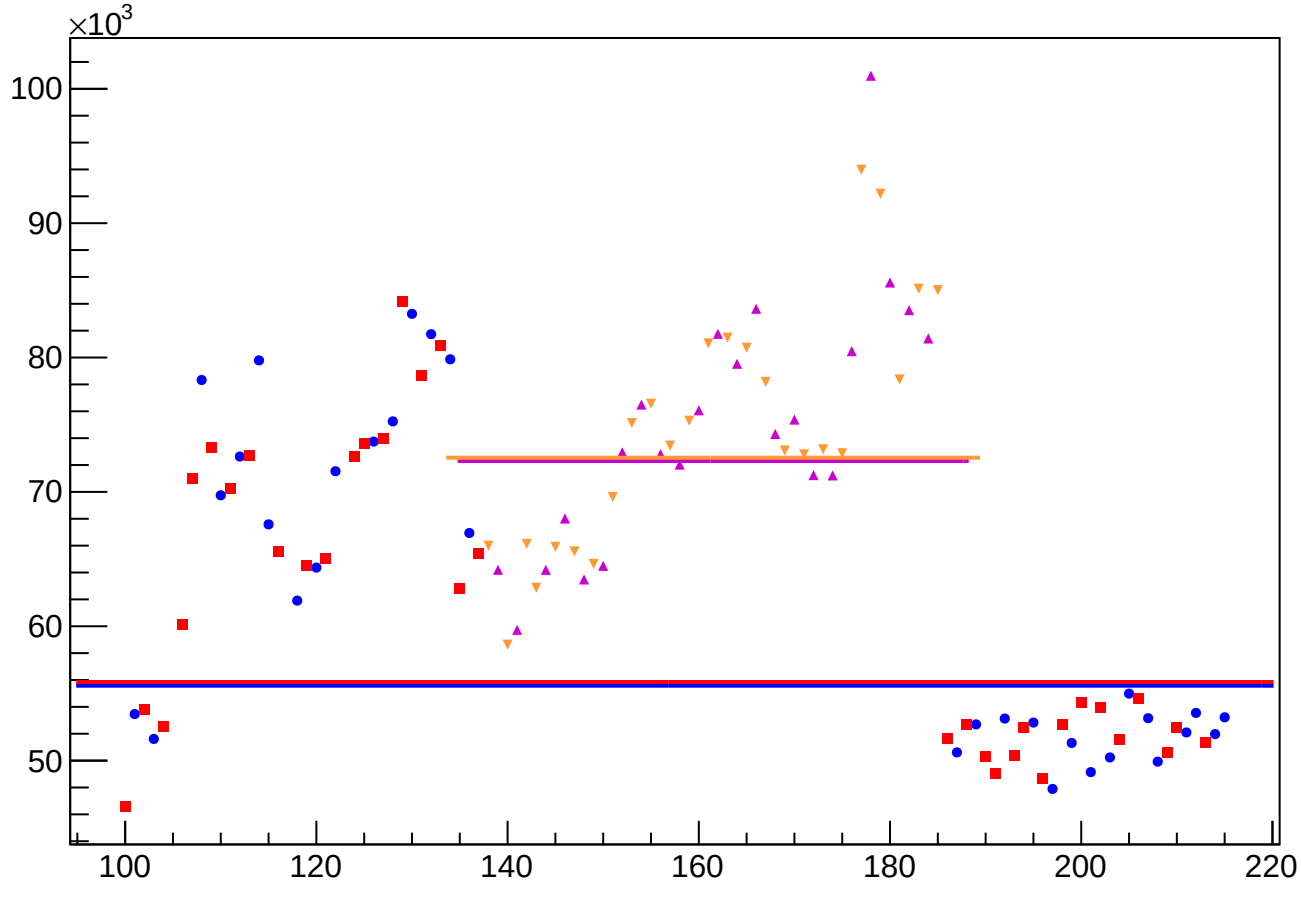
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 18.275+/-9.127 χ^2/NDF: 201.9/64

In: -1.591+/-10.253 χ^2/NDF:107.8/53

Out: 34.978+/-10.222 χ^2/NDF:149.3/58

All: 16.748+/-7.239 χ^2/NDF: 263.5/112



Right In: 55576.046+/-9.083 χ^2/NDF: 867973.5/30

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 55849.577+/-9.171 χ^2/NDF: 770504.2/33

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

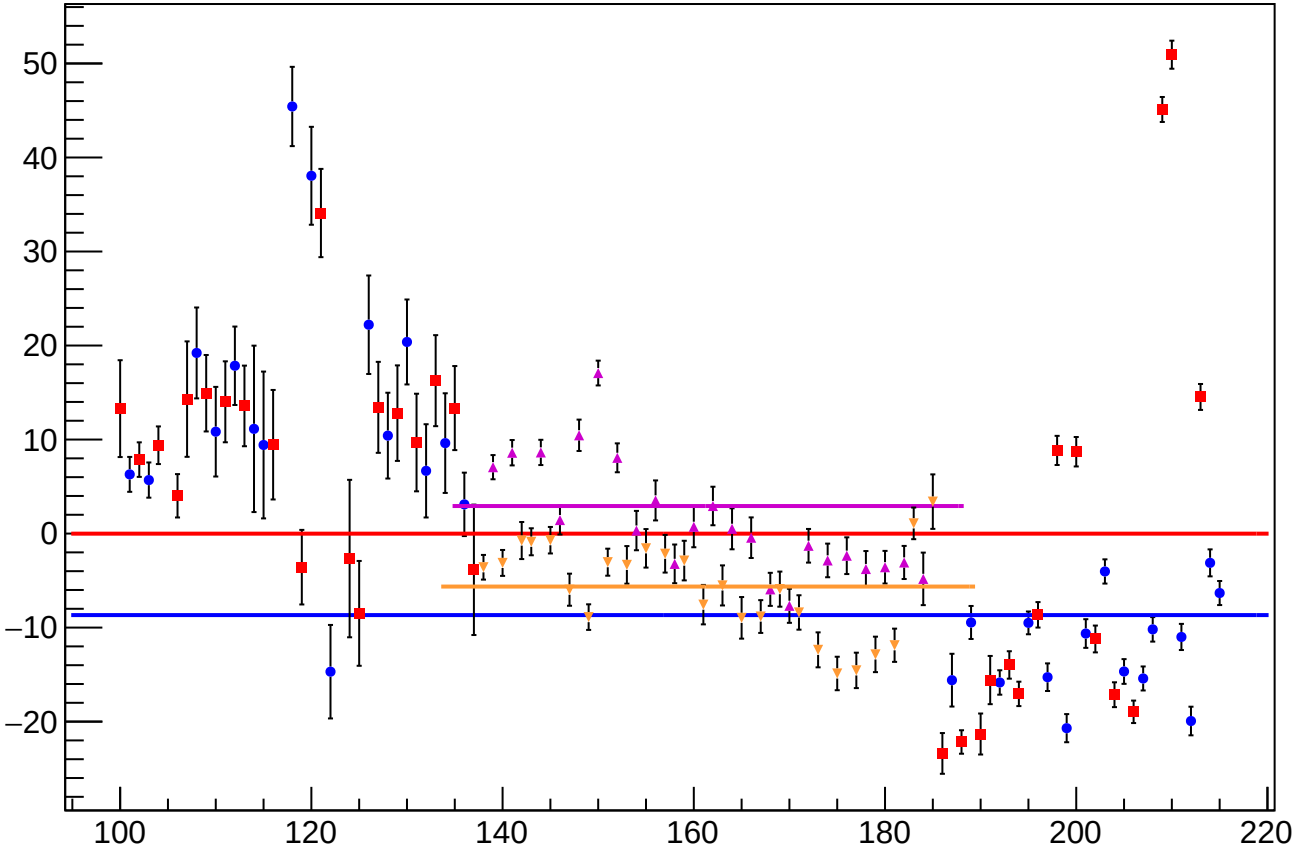
Right: 55711.493+/-6.454 χ^2/NDF: 1638926.7/64

In: 61646.603+/-7.250 χ^2/NDF:2587282.0/53

Out: 62174.314+/-7.228 χ^2/NDF:2525902.2/58

All: 61911.244+/-5.119 χ^2/NDF: 5115841.2/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -8.670+/-0.340 χ^2/NDF: 861.2/30

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -0.009+/-0.346 χ^2/NDF: 4029.0/33

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

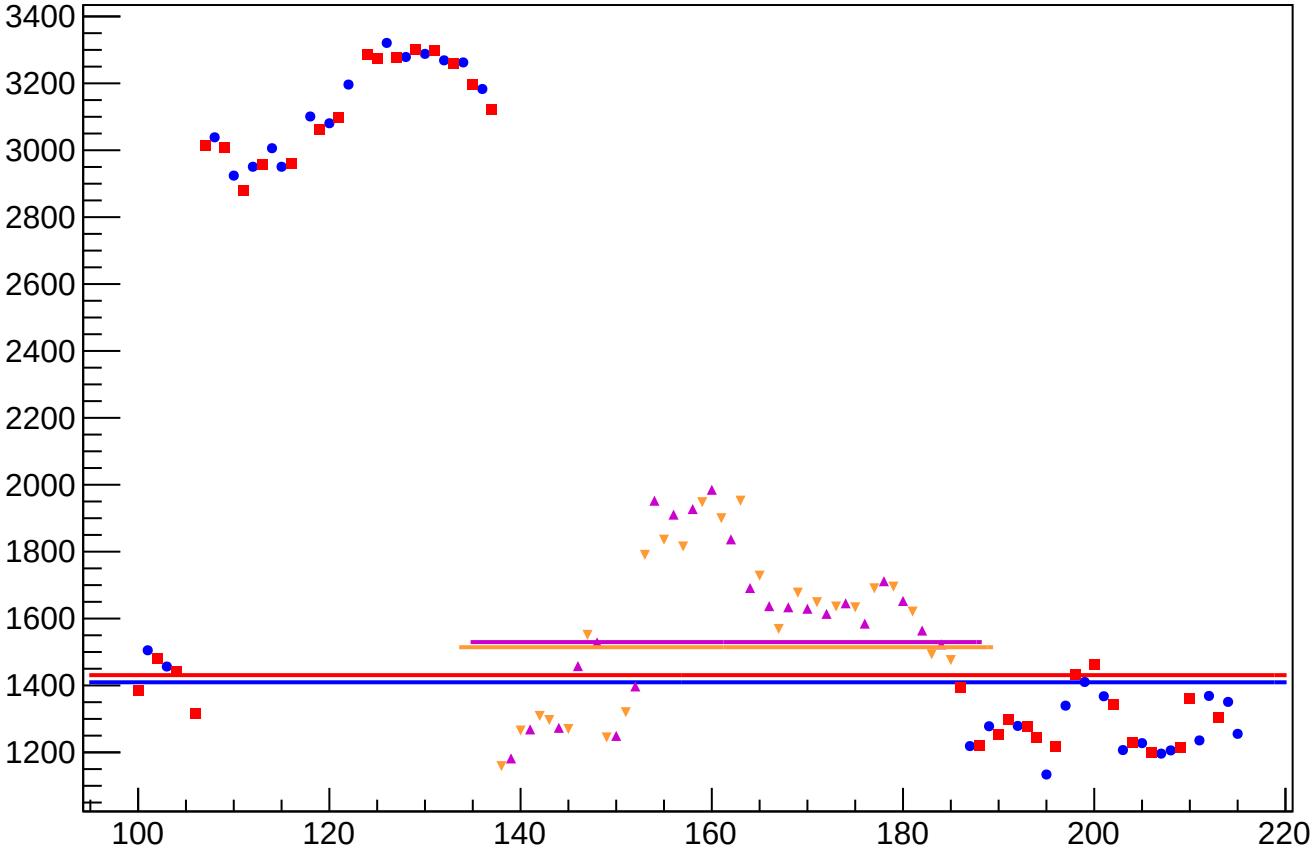
Right: -4.425+/-0.242 χ^2/NDF: 5209.1/64

In: -3.246+/-0.248 χ^2/NDF:1744.3/53

Out: -2.800+/-0.246 χ^2/NDF:4338.2/58

All: -3.022+/-0.174 χ^2/NDF: 6084.1/112

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1409.487+/-0.240 χ^2/NDF: 4071903.3/30

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1430.880+/-0.245 χ^2/NDF: 3895881.0/33

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

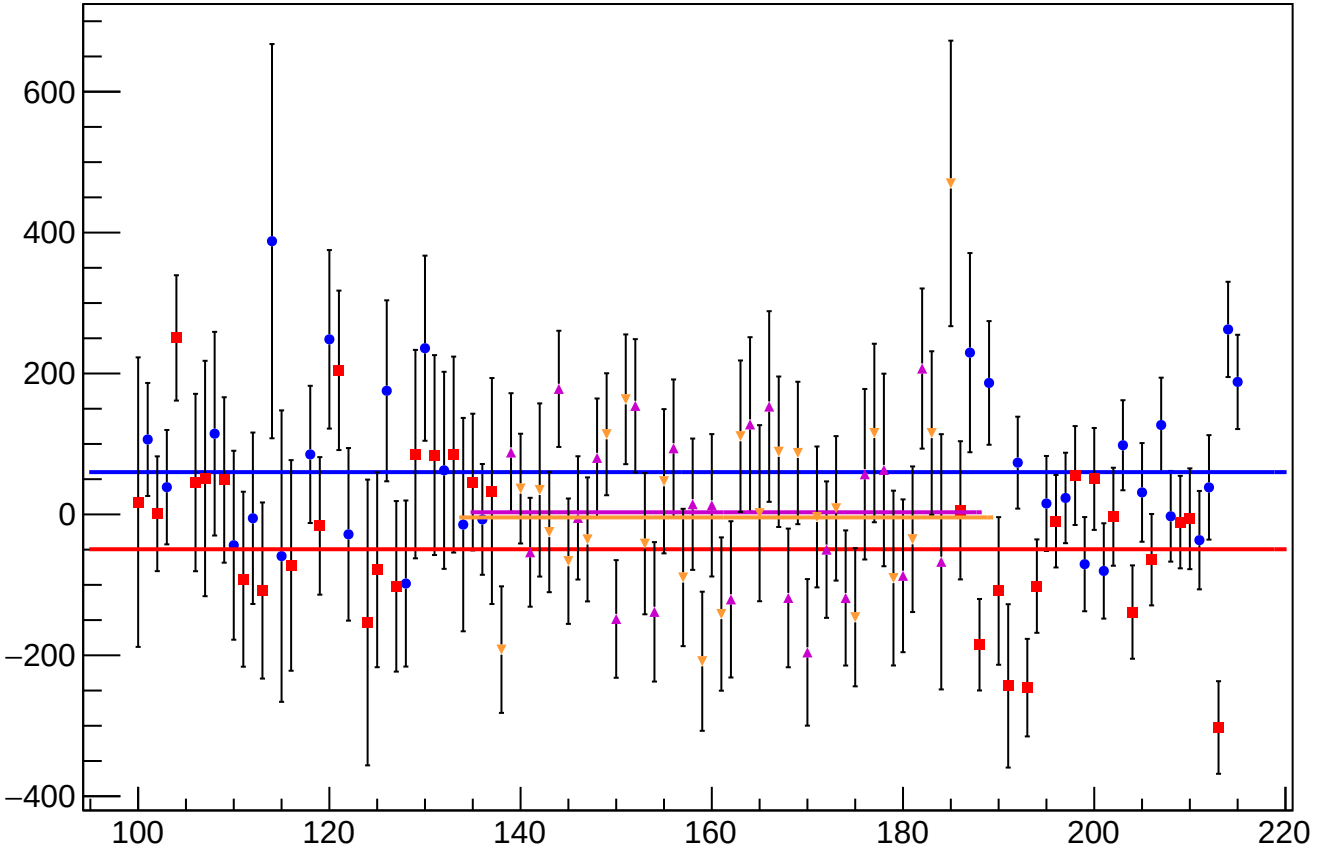
Right: 1419.973+/-0.171 χ^2/NDF: 7971676.1/64

In: 1465.671+/-0.175 χ^2/NDF:5017497.7/53

Out: 1472.278+/-0.174 χ^2/NDF:4886832.6/58

All: 1469.000+/-0.123 χ^2/NDF: 9905047.1/11

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 60.013+/-15.328 χ^2/NDF: 40.9/30

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -49.445+/-15.493 χ^2/NDF: 62.2/33

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

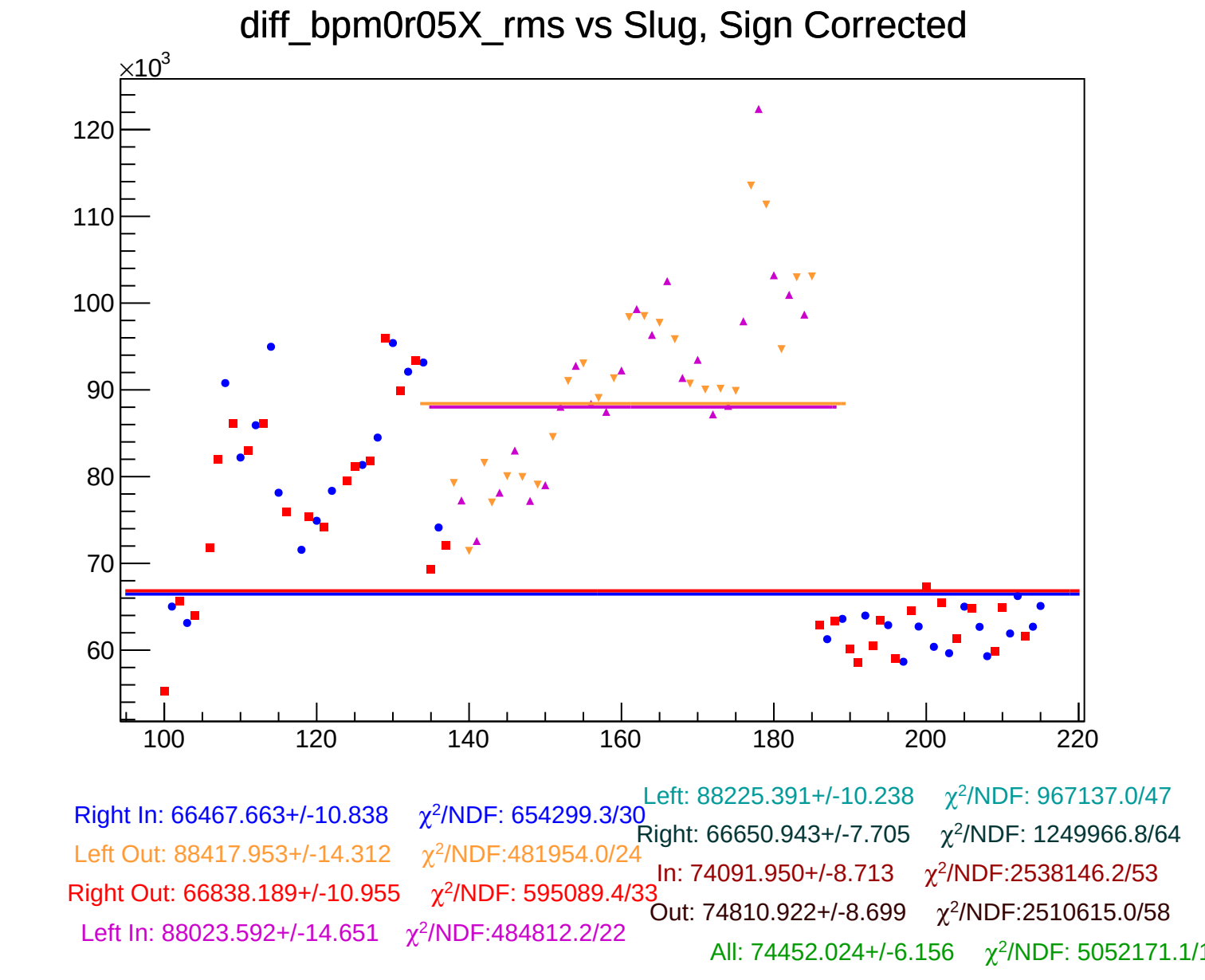
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 5.870+/-10.896 χ^2/NDF: 128.3/64

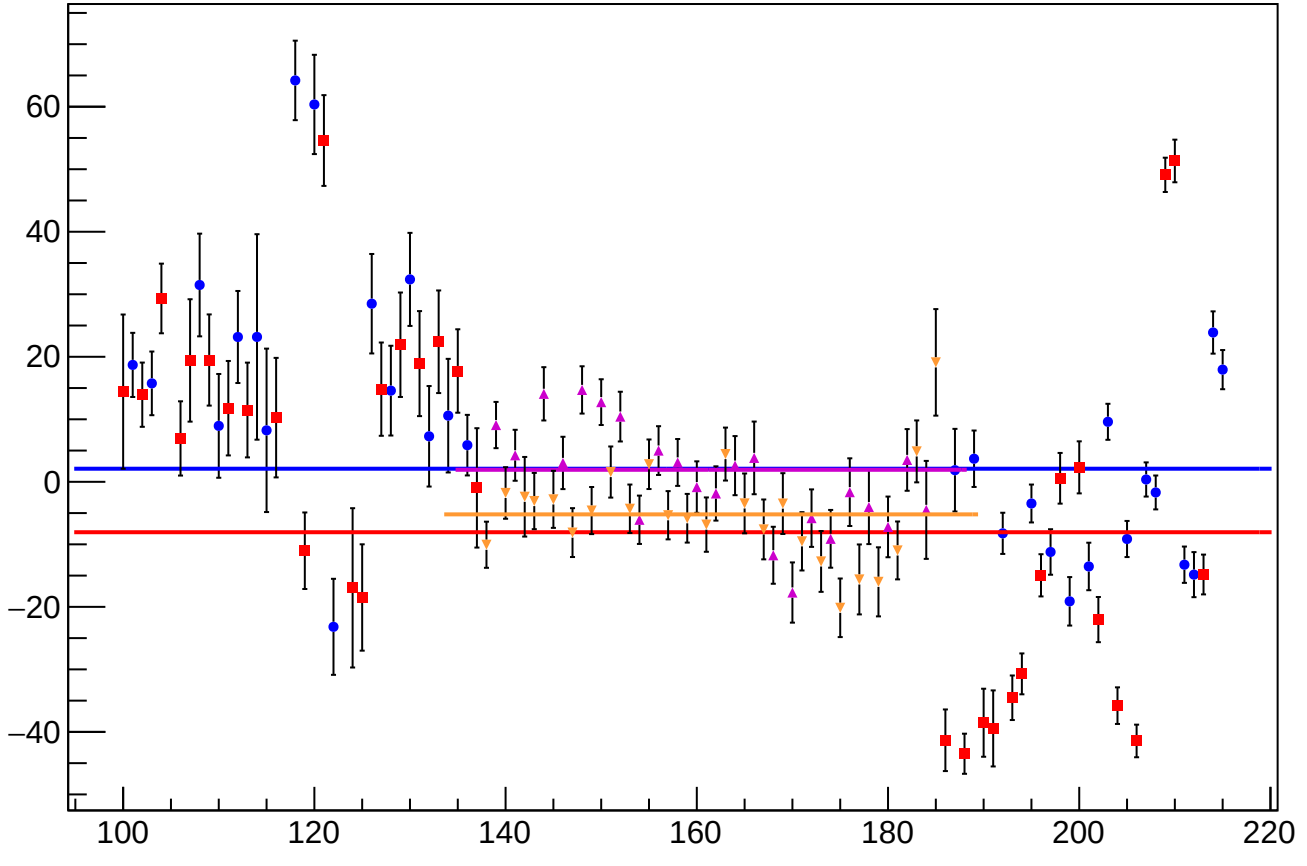
In: 39.854+/-12.323 χ^2/NDF:76.5/53

Out: -32.756+/-12.302 χ^2/NDF:95.8/58

All: 3.489+/-8.706 χ^2/NDF: 189.6/112


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: 66467.663+/-10.838 χ²/NDF: 654299.3/30
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 66838.189+/-10.955 χ²/NDF: 595089.4/33
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 66650.943+/-7.705 χ²/NDF: 1249966.8/64
In: 74091.950+/-8.713 χ²/NDF:2538146.2/53
Out: 74810.922+/-8.699 χ²/NDF:2510615.0/58
All: 74452.024+/-6.156 χ²/NDF: 5052171.1/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 2.096+/-0.768 χ^2/NDF: 448.9/30

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -8.061+/-0.796 χ^2/NDF: 1605.9/33

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

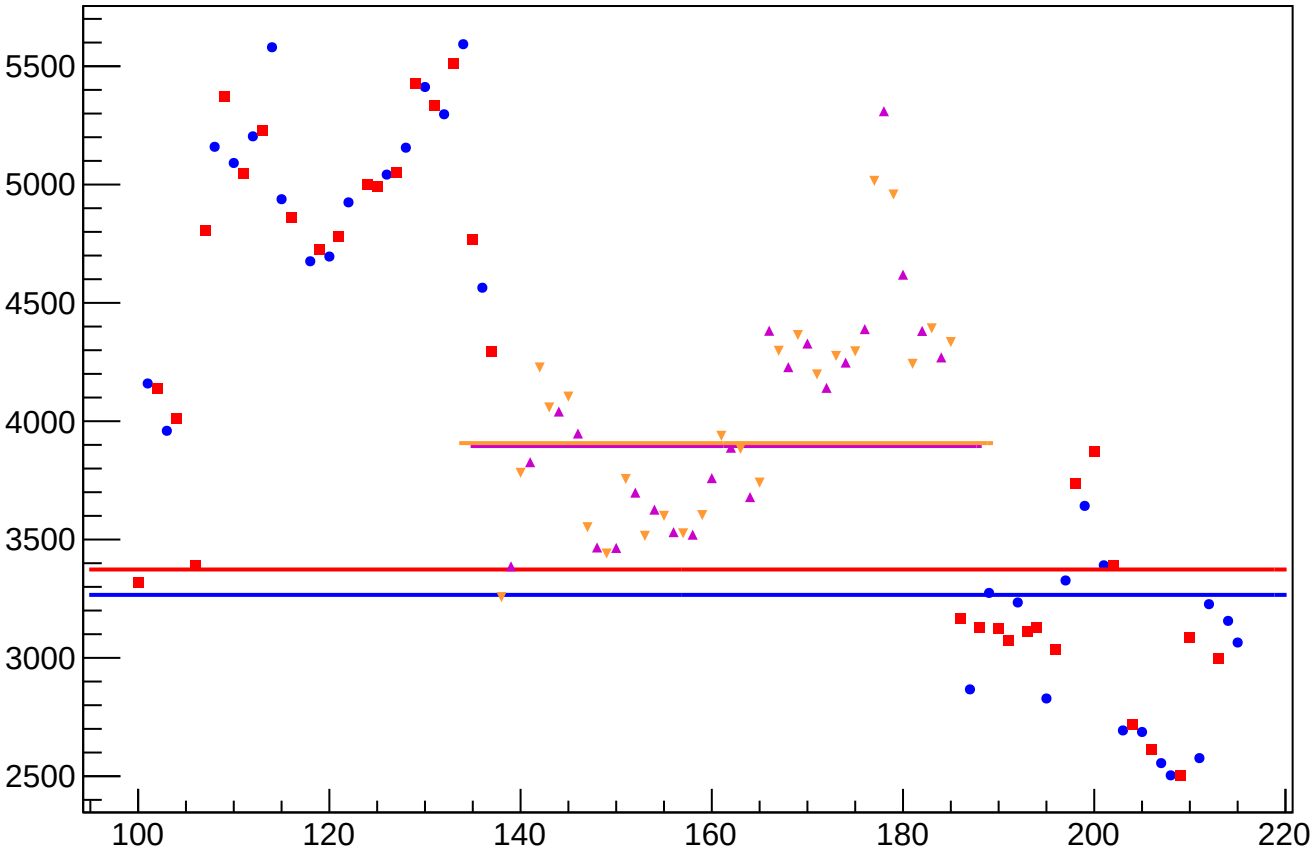
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: -2.799+/-0.553 χ^2/NDF: 2139.1/64

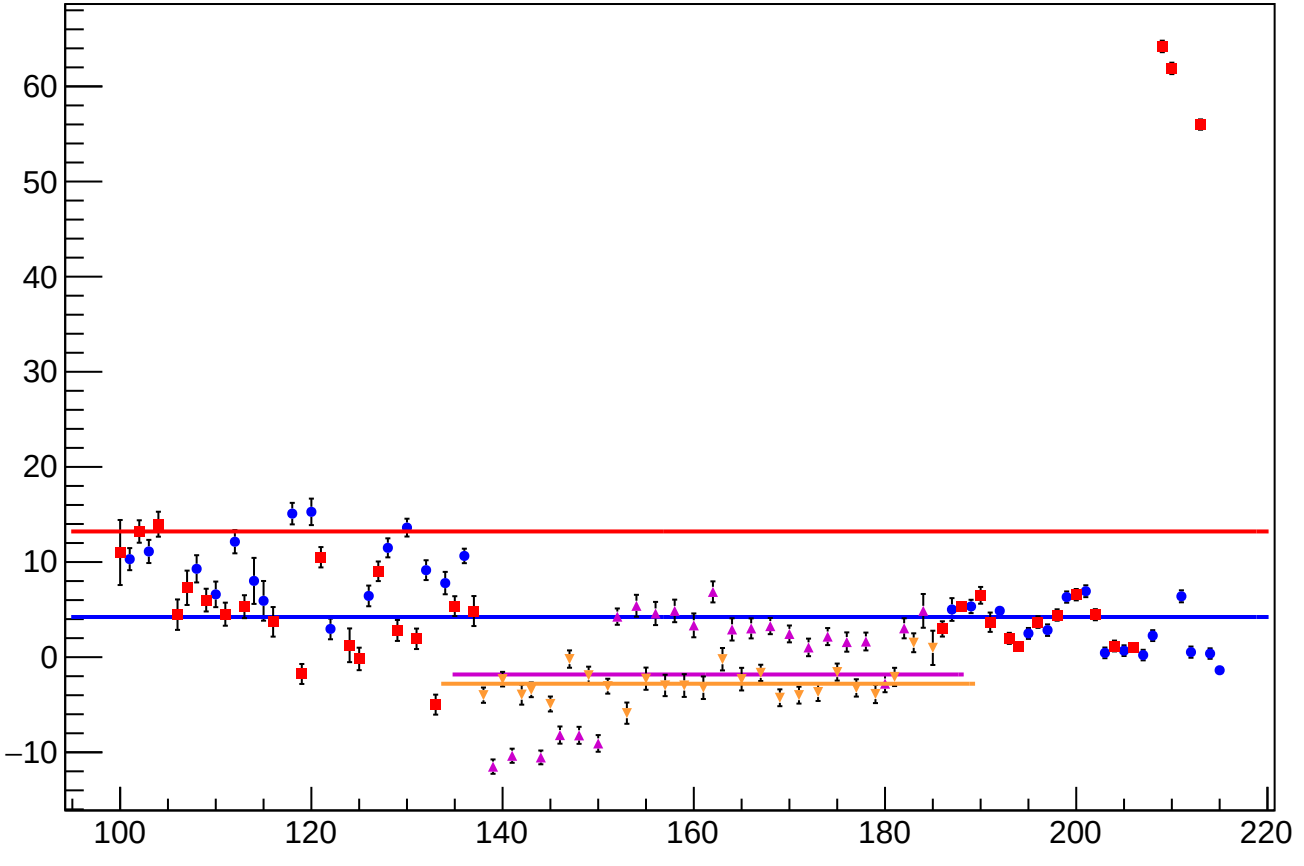
In: 2.025+/-0.589 χ^2/NDF:532.1/53

Out: -6.797+/-0.595 χ^2/NDF:1662.6/58

All: -2.342+/-0.418 χ^2/NDF: 2305.9/112


diff_bpm0r05Y_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
100
120
140
160
180
200
220
Right In: 3266.183+/-0.543 χ²/NDF: 2222105.1/30
Left Out: 3907.465+/-0.632 χ²/NDF:441202.5/24
Right Out: 3373.410+/-0.563 χ²/NDF: 2004335.5/33
Left In: 3895.108+/-0.648 χ²/NDF:409913.9/22
Left: 3901.439+/-0.452 χ²/NDF: 851302.8/47
Right: 3317.859+/-0.391 χ²/NDF: 4245219.3/64
In: 3525.786+/-0.416 χ²/NDF:3185346.9/53
Out: 3609.781+/-0.420 χ²/NDF:2843505.6/58
All: 3567.360+/-0.296 χ²/NDF: 6049005.4/11

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 4.222+/-0.135 χ^2/NDF: 946.8/30

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 13.215+/-0.137 χ^2/NDF: 24347.6/33

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

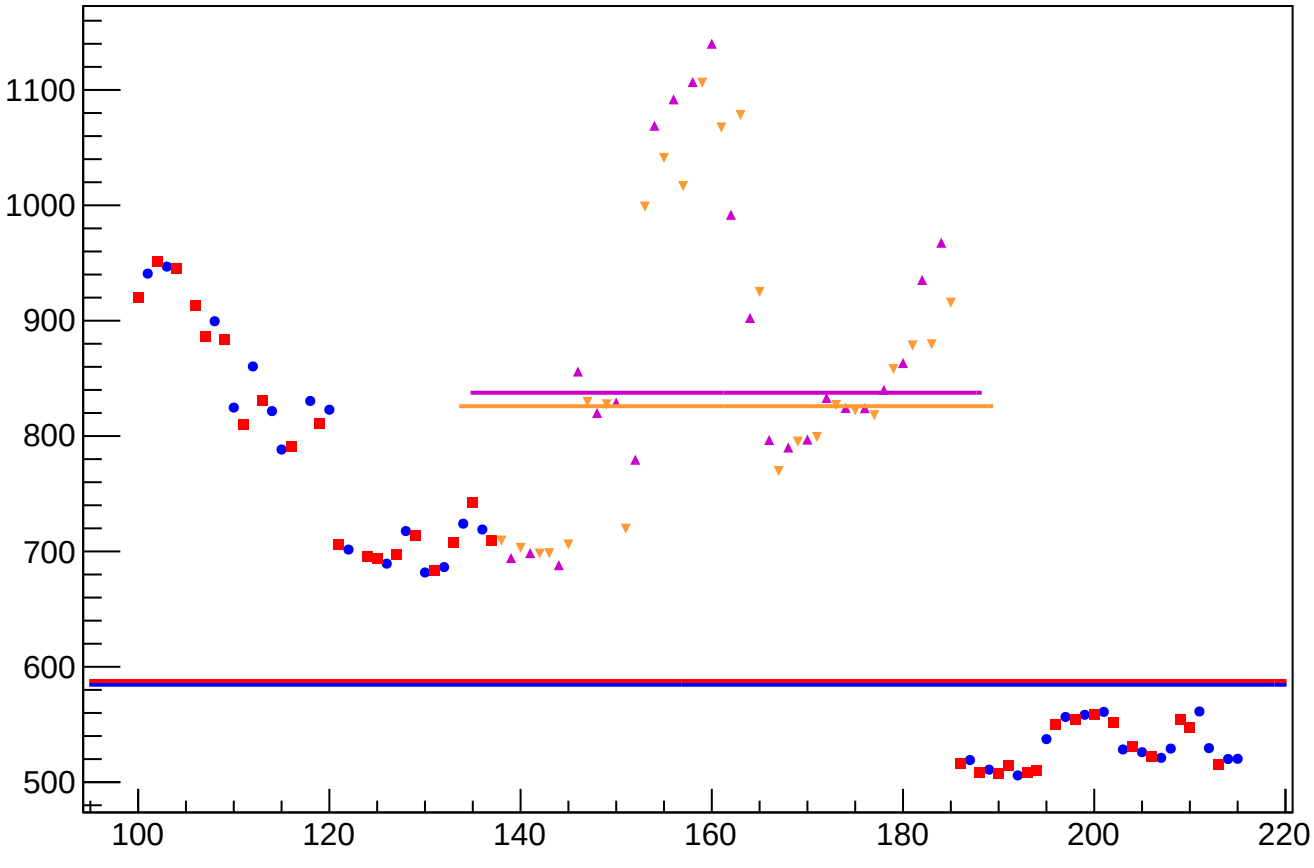
Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

Right: 8.660+/-0.096 χ^2/NDF: 27473.9/64

In: 2.301+/-0.112 χ^2/NDF:2606.9/53

Out: 7.737+/-0.111 χ^2/NDF:29081.7/58

All: 5.033+/-0.079 χ^2/NDF: 32877.9/112



Right In: 584.488+/-0.096 χ^2/NDF: 1291842.7/30

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 587.705+/-0.097 χ^2/NDF: 1384186.7/33

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

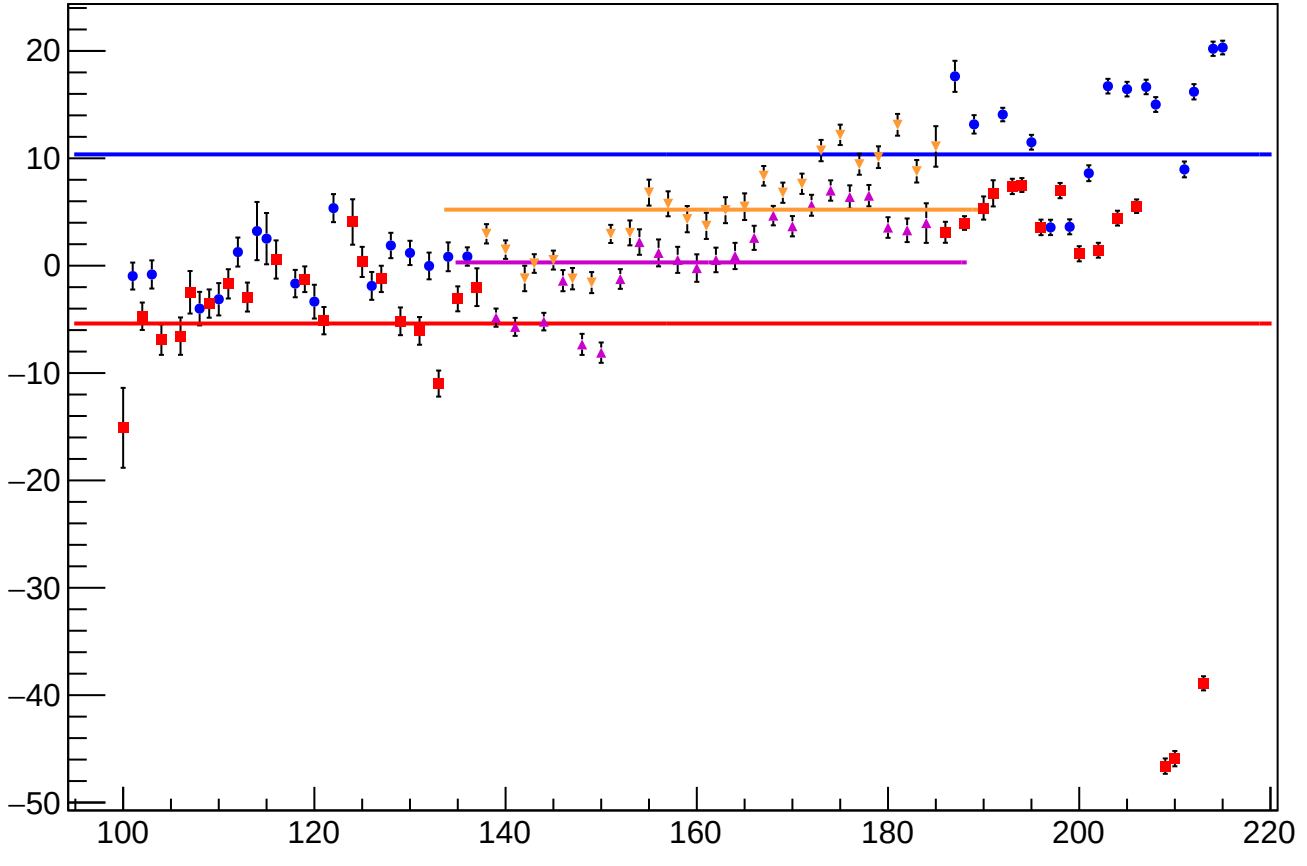
Right: 586.075+/-0.068 χ^2/NDF: 2676587.0/64

In: 664.973+/-0.079 χ^2/NDF:4230614.9/53

Out: 669.213+/-0.079 χ^2/NDF:4215027.6/58

All: 667.104+/-0.056 χ^2/NDF: 8447089.4/112

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 10.364+/-0.161 χ^2/NDF: 2101.6/30

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -5.385+/-0.163 χ^2/NDF: 11609.4/33

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

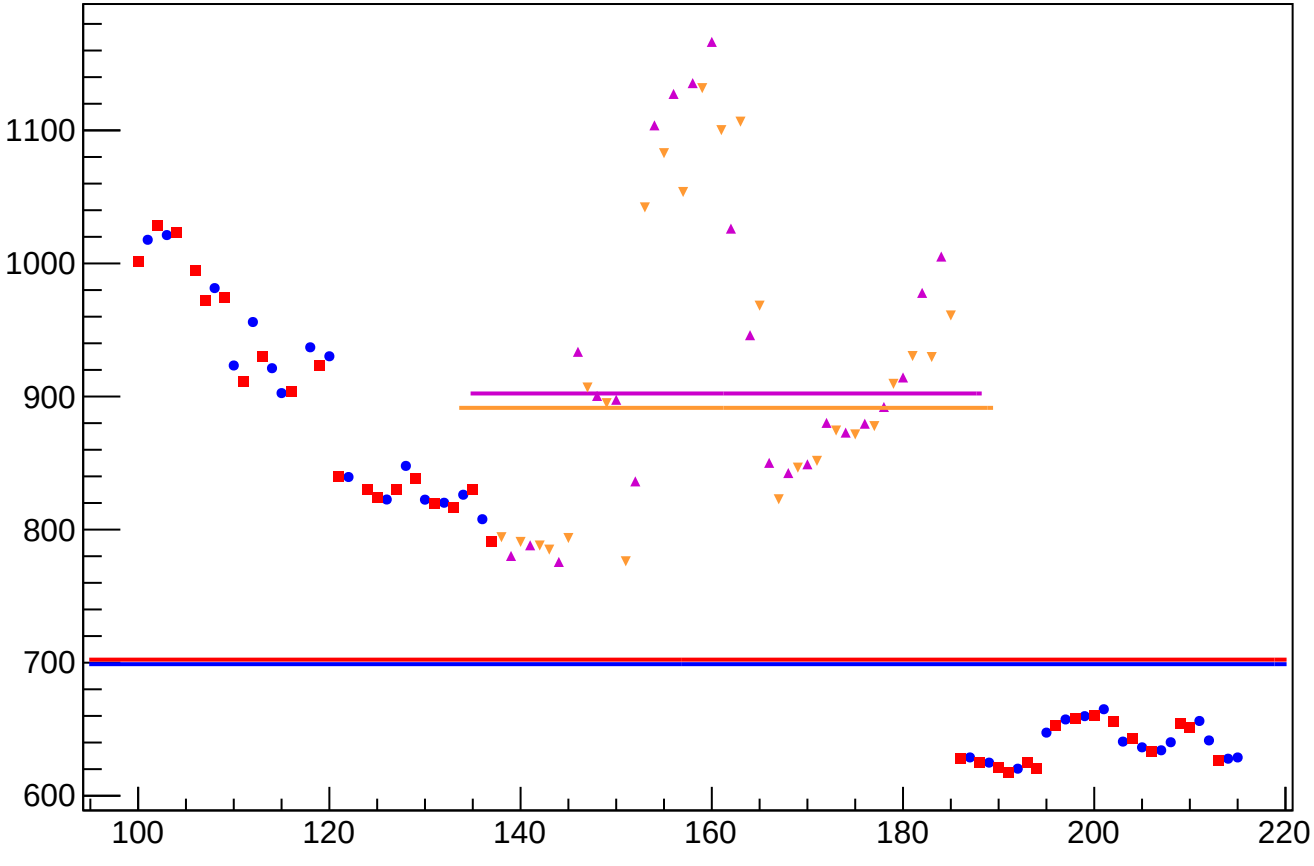
Right: 2.584+/-0.115 χ^2/NDF: 18432.8/64

In: 6.696+/-0.128 χ^2/NDF:4018.7/53

Out: -1.261+/-0.127 χ^2/NDF:13704.6/58

All: 2.688+/-0.090 χ^2/NDF: 19657.8/112

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 698.885+/-0.114 χ^2/NDF: 948723.6/30

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 702.292+/-0.115 χ^2/NDF: 1011747.9/33

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

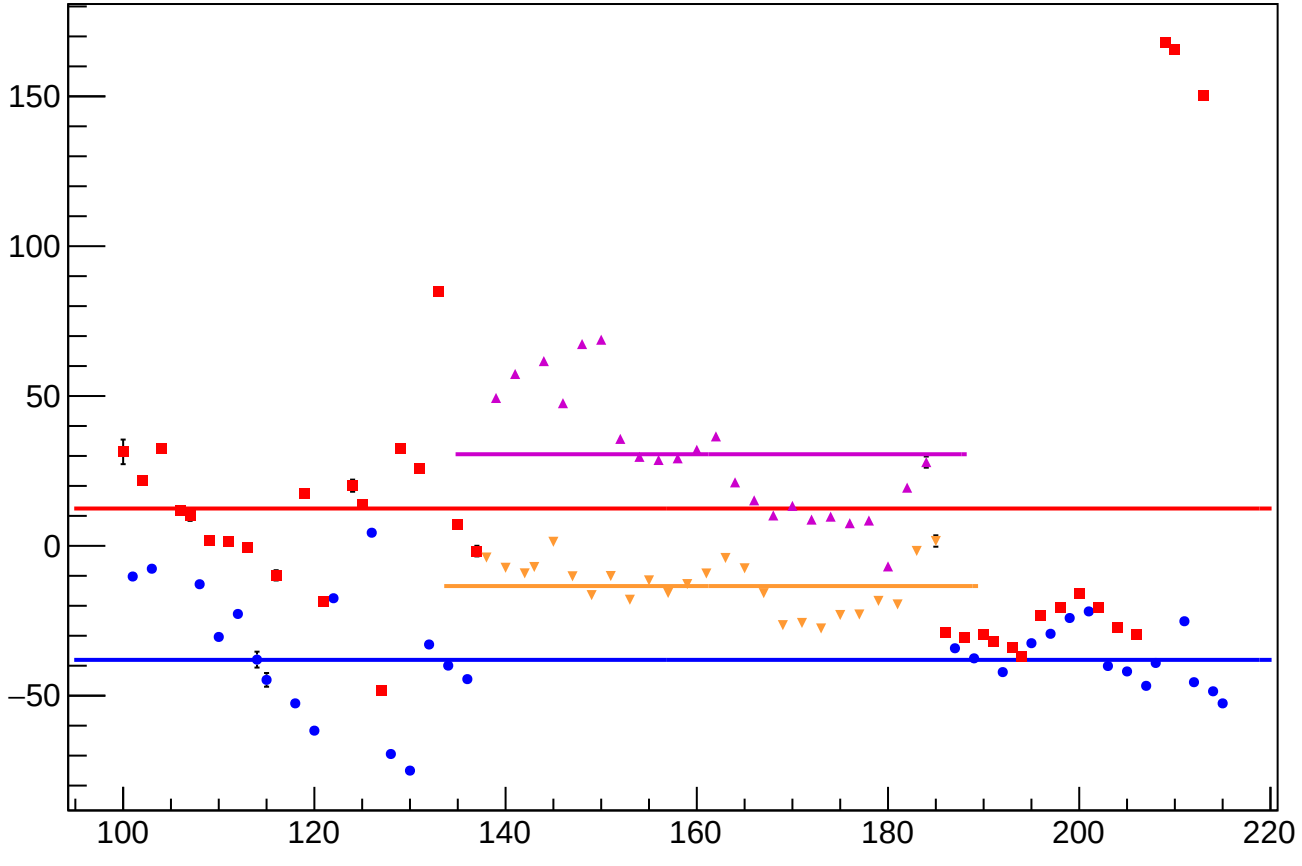
Right: 700.568+/-0.081 χ^2/NDF: 1960913.5/64

In: 773.051+/-0.091 χ^2/NDF:2596252.6/53

Out: 775.871+/-0.090 χ^2/NDF:2577041.1/58

All: 774.471+/-0.064 χ^2/NDF: 5173779.3/112

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -38.049+/-0.159 χ^2/NDF: 7703.5/30

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 12.460+/-0.160 χ^2/NDF: 181098.3/33

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

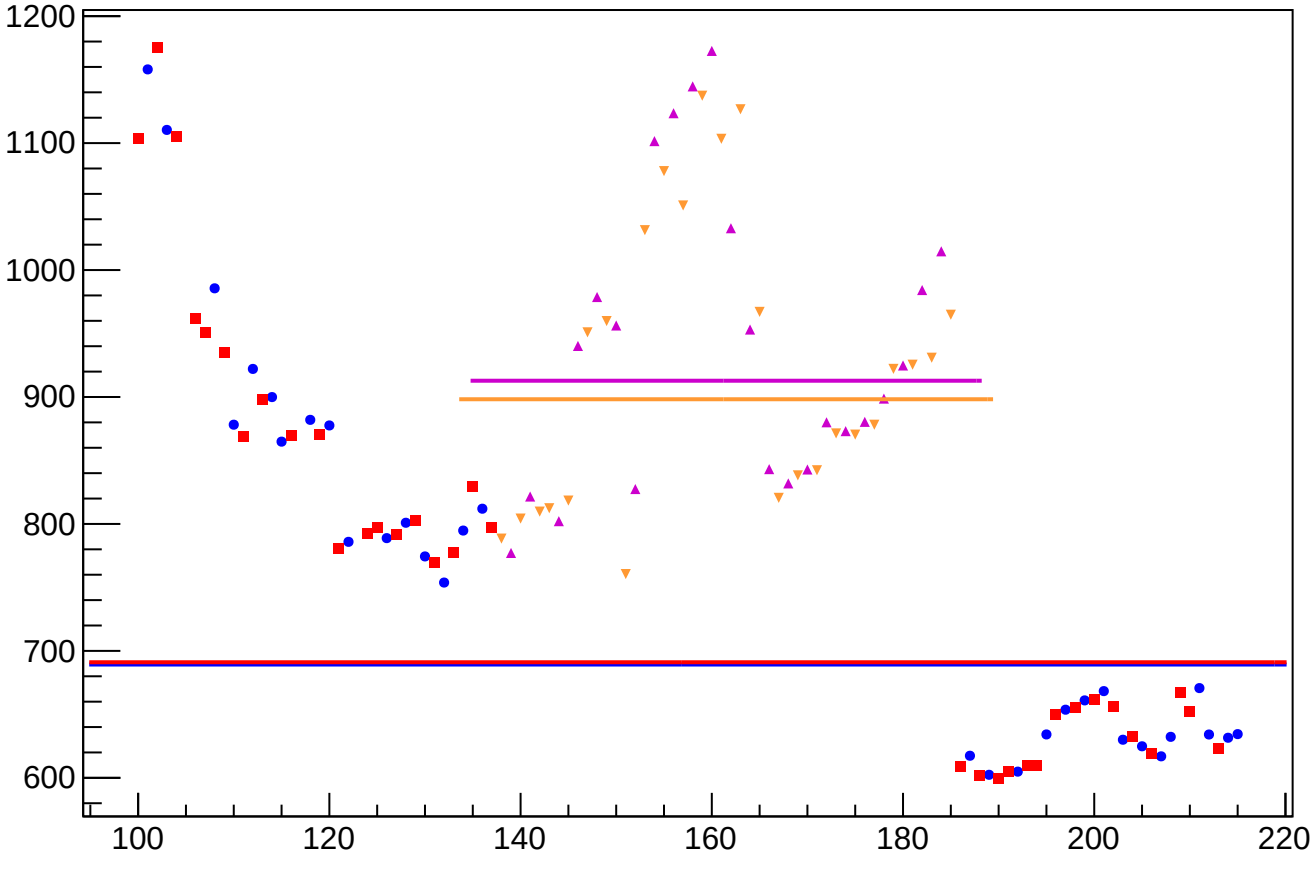
Right: -13.041+/-0.113 χ^2/NDF: 238809.6/64

In: -13.828+/-0.128 χ^2/NDF:83893.8/53

Out: 2.682+/-0.127 χ^2/NDF:192585.9/58

All: -5.492+/-0.090 χ^2/NDF: 284900.6/112

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 689.260+/-0.112 χ^2/NDF: 989184.0/30

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 691.049+/-0.113 χ^2/NDF: 1059562.4/33

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

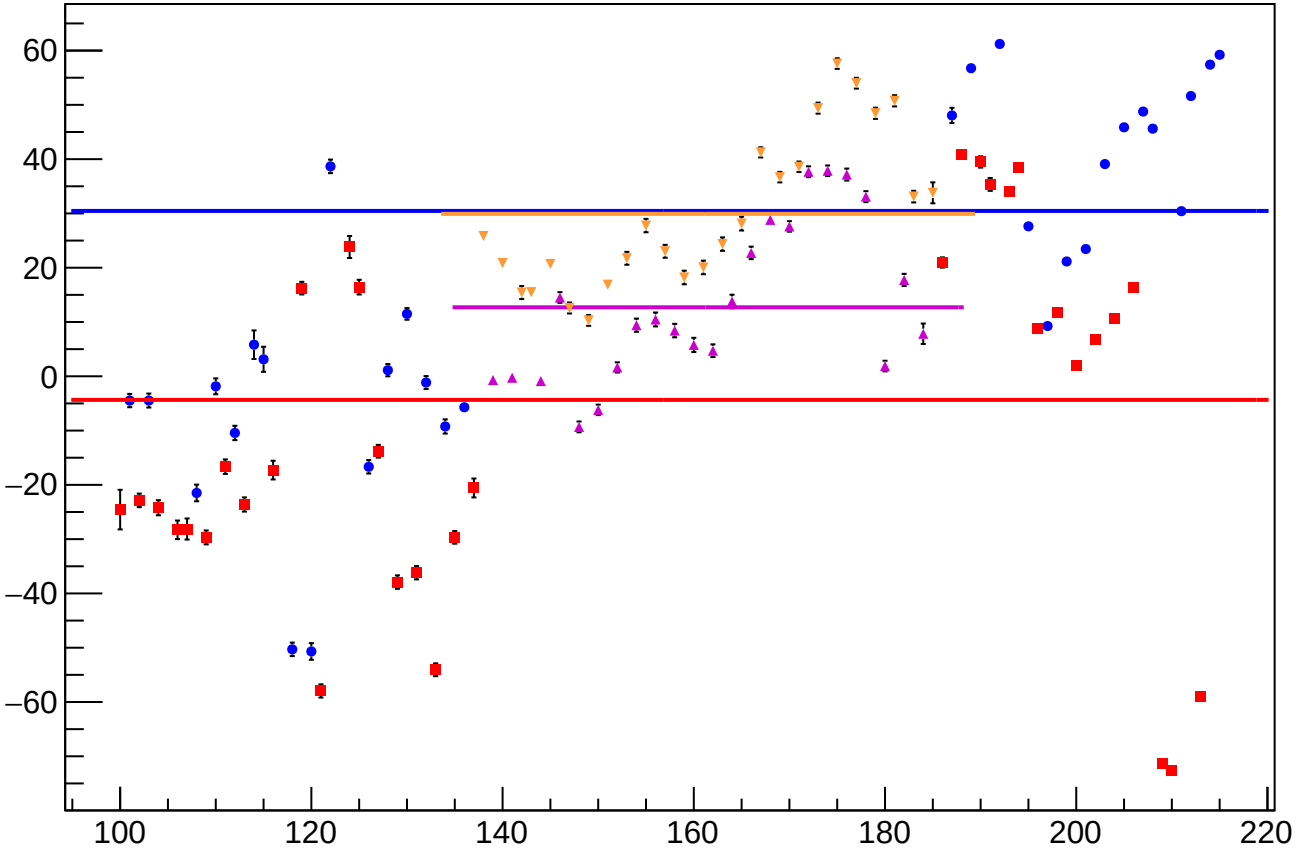
Right: 690.146+/-0.080 χ^2/NDF: 2048871.8/64

In: 768.170+/-0.090 χ^2/NDF:2866040.6/53

Out: 769.323+/-0.090 χ^2/NDF:2837164.1/58

All: 768.752+/-0.064 χ^2/NDF: 5703286.7/112

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 30.461+/-0.157 χ^2/NDF: 28915.5/30

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -4.345+/-0.158 χ^2/NDF: 53732.0/33

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

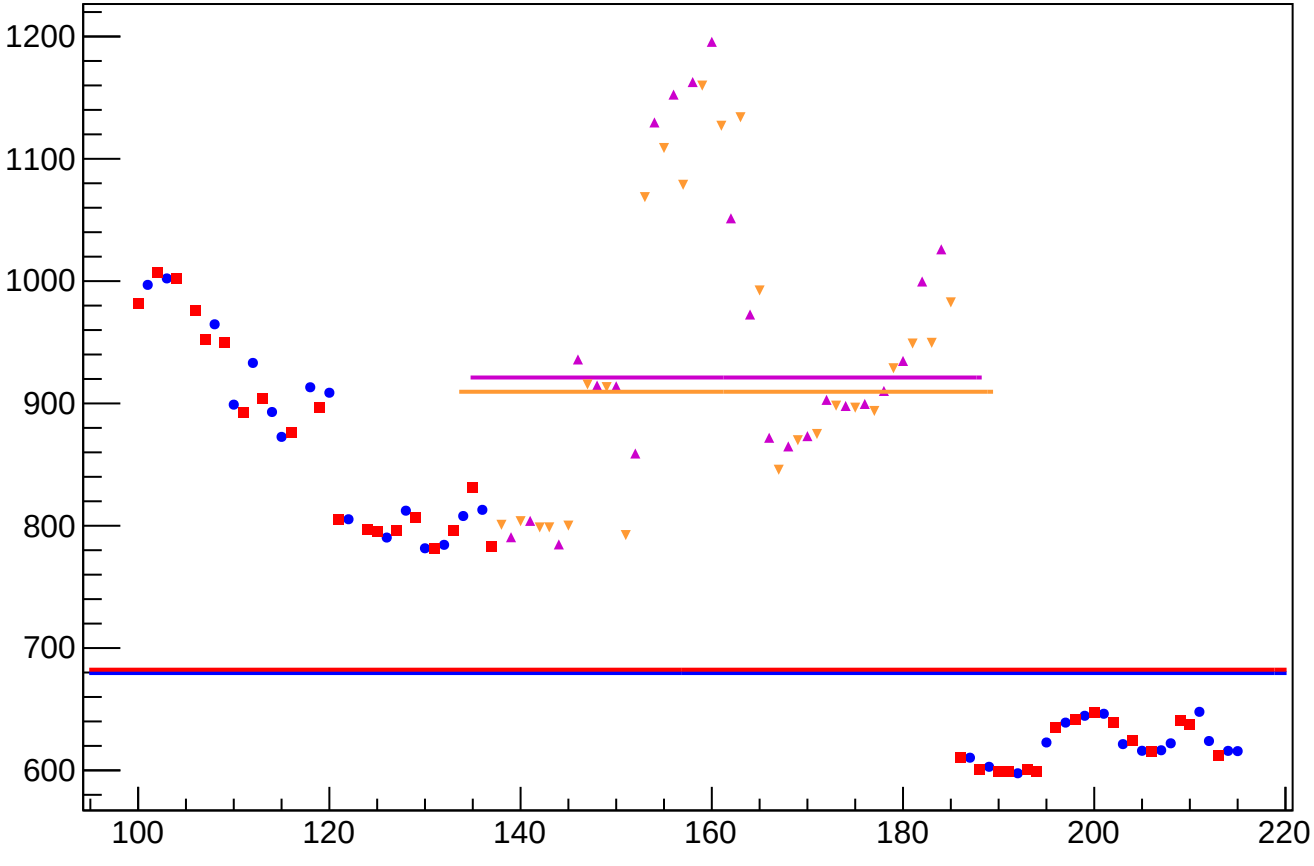
Right: 13.252+/-0.111 χ^2/NDF: 107060.9/64

In: 24.384+/-0.127 χ^2/NDF:38103.7/53

Out: 8.190+/-0.126 χ^2/NDF:75433.0/58

All: 16.230+/-0.090 χ^2/NDF: 121720.5/112

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 679.557+/-0.111 χ^2/NDF: 965784.5/30

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 682.309+/-0.112 χ^2/NDF: 1030830.3/33

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

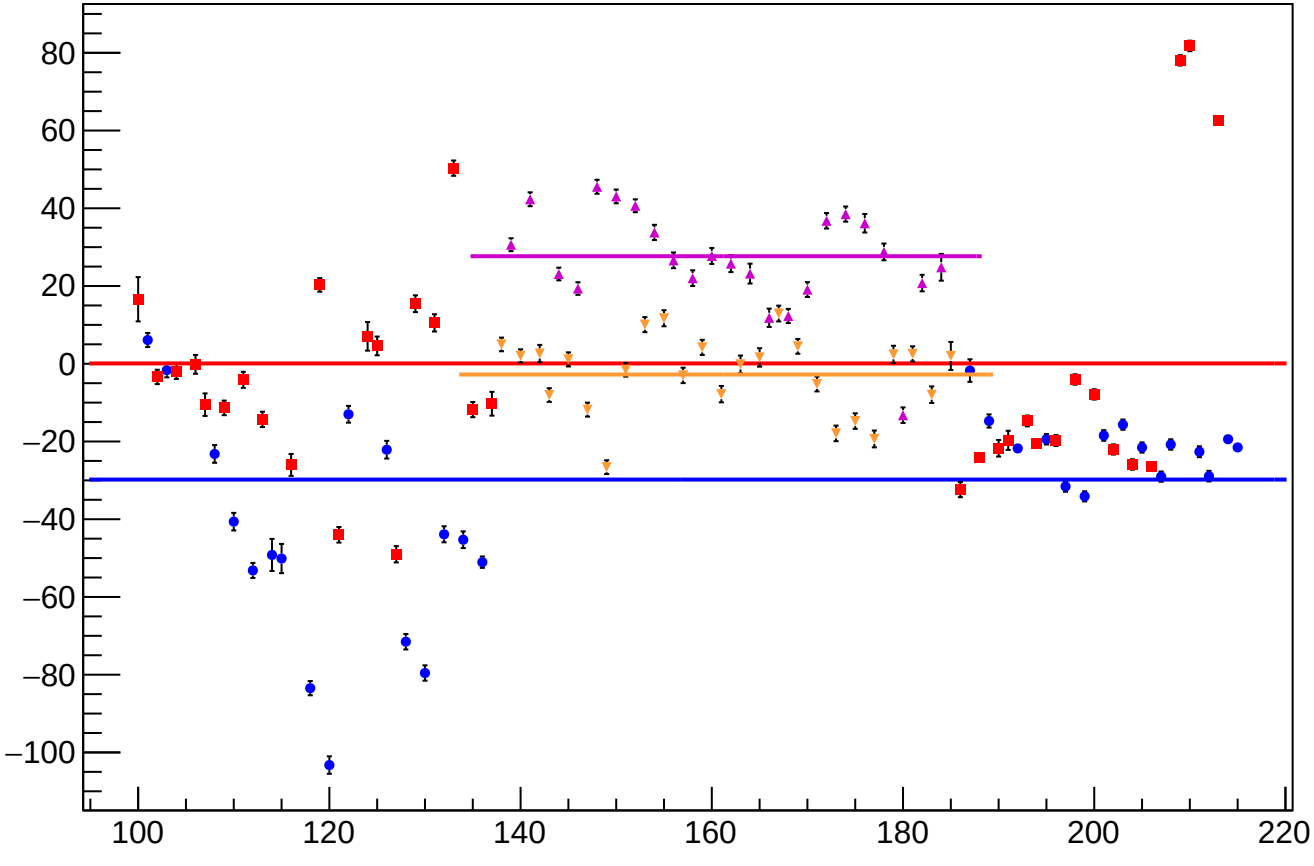
Right: 680.917+/-0.079 χ^2/NDF: 1996920.2/64

In: 762.268+/-0.090 χ^2/NDF:3092347.9/53

Out: 765.432+/-0.089 χ^2/NDF:3078427.0/58

All: 763.861+/-0.063 χ^2/NDF: 6171400.0/112

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -29.798+/-0.294 χ^2/NDF: 4910.1/30

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 0.083+/-0.297 χ^2/NDF: 14132.4/33

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

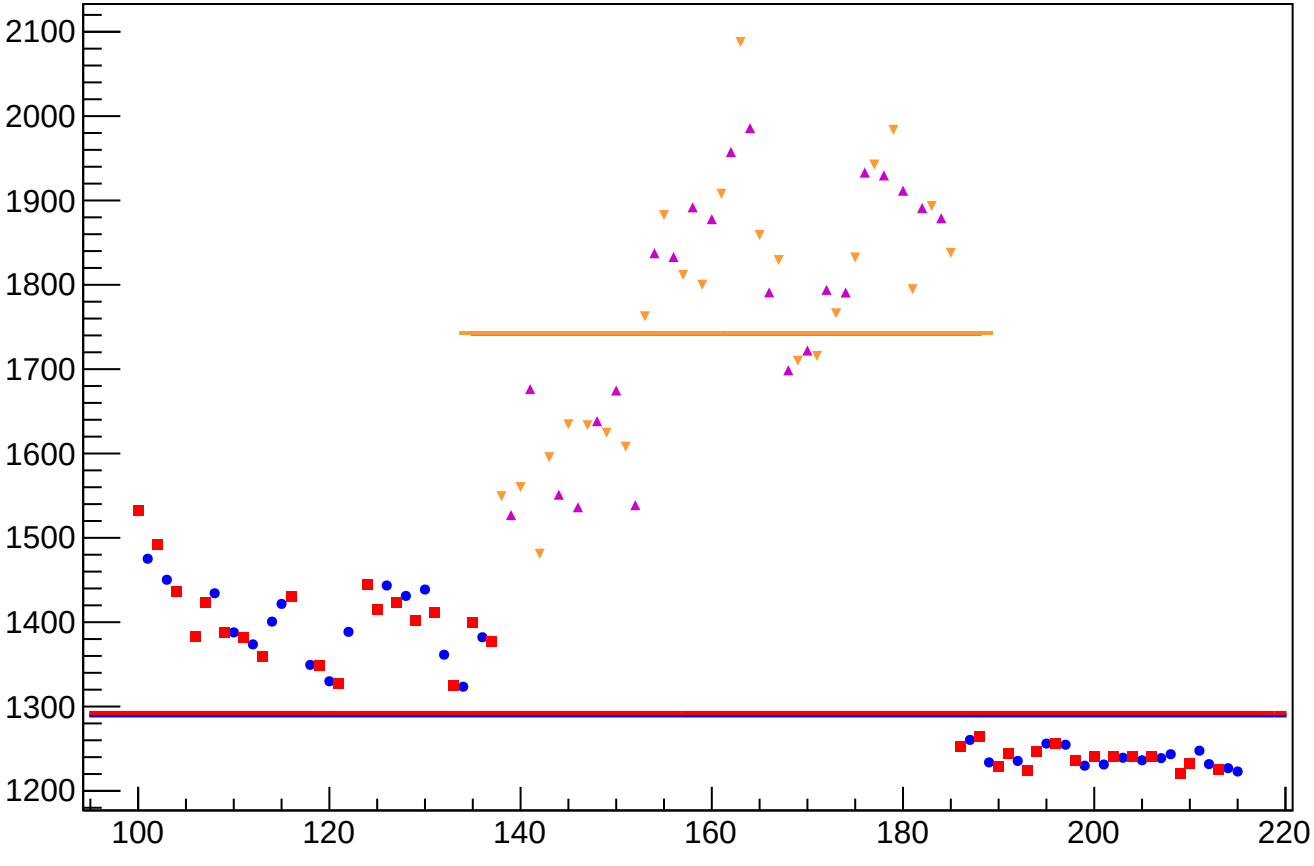
Right: -14.987+/-0.209 χ^2/NDF: 24163.5/64

In: -10.207+/-0.239 χ^2/NDF:18925.9/53

Out: -0.937+/-0.238 χ^2/NDF:14781.6/58

All: -5.553+/-0.168 χ^2/NDF: 34465.1/112

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1289.448+/-0.208 χ^2/NDF: 147339.5/30

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1292.443+/-0.210 χ^2/NDF: 142493.5/33

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

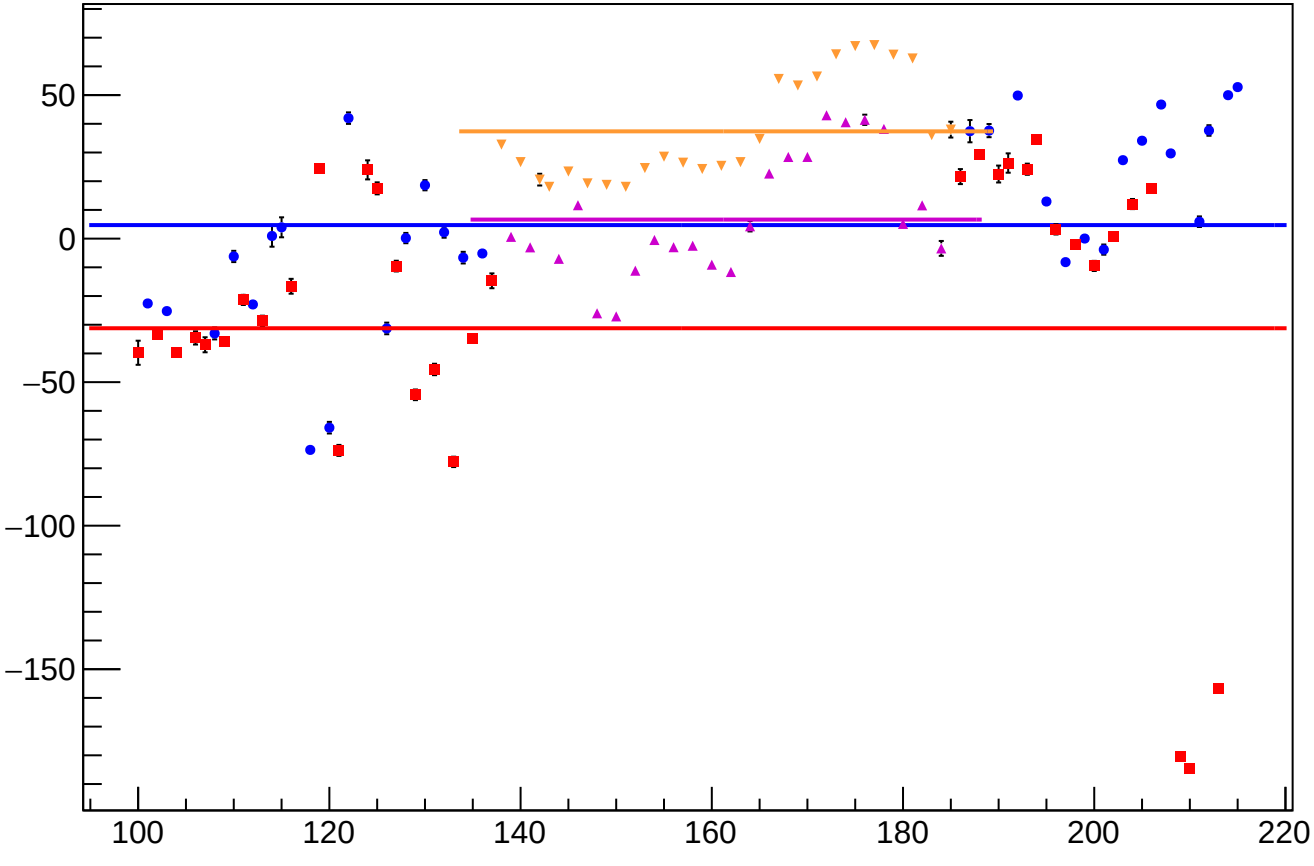
Right: 1290.932+/-0.148 χ^2/NDF: 289936.0/64

In: 1443.794+/-0.169 χ^2/NDF:2025984.1/53

Out: 1453.527+/-0.168 χ^2/NDF:2055749.4/58

All: 1448.681+/-0.119 χ^2/NDF: 4083403.7/11

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: 4.715+/-0.327 χ^2/NDF: 9645.4/30

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -31.222+/-0.326 χ^2/NDF: 32794.2/33

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

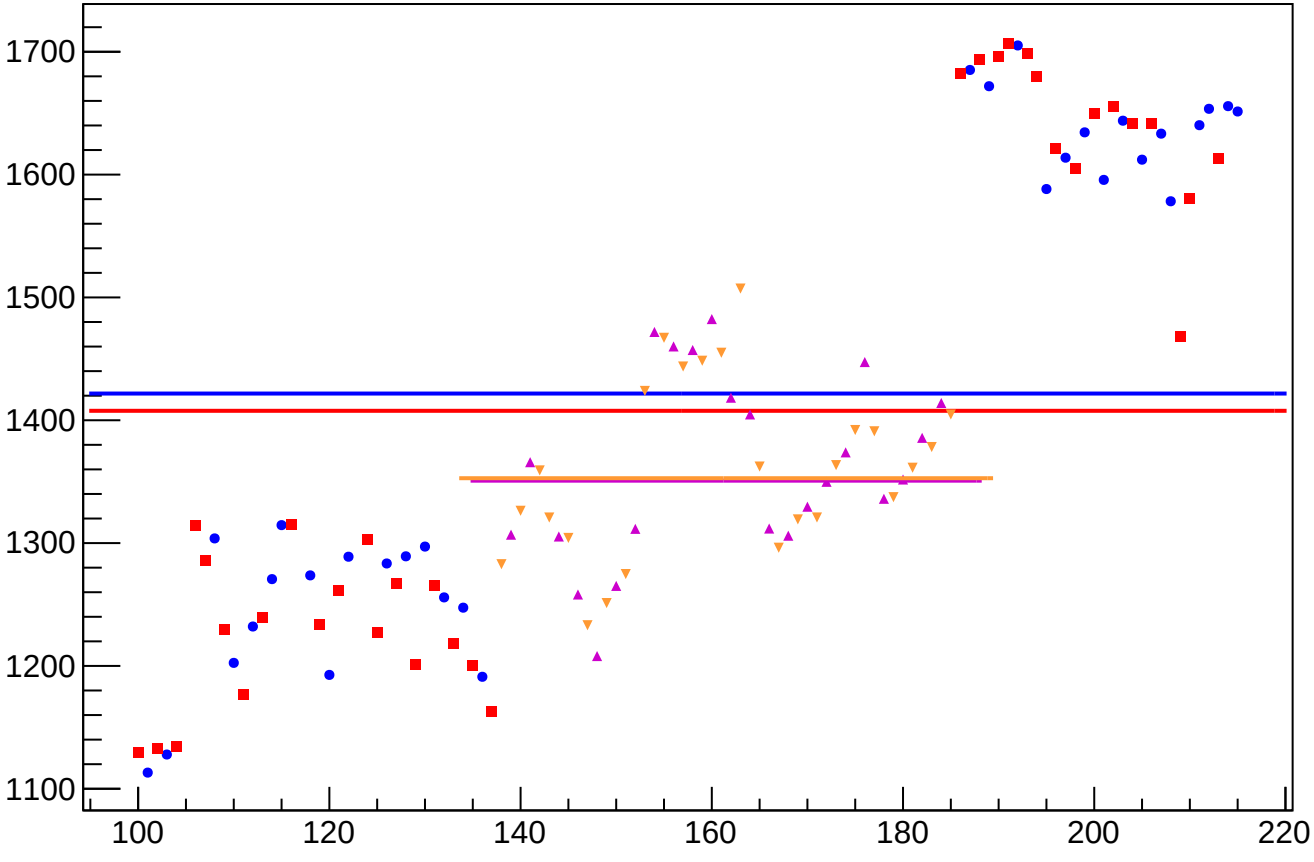
Right: -13.310+/-0.231 χ^2/NDF: 48489.9/64

In: 5.706+/-0.227 χ^2/NDF:14073.4/53

Out: 5.052+/-0.224 χ^2/NDF:59577.0/58

All: 5.374+/-0.160 χ^2/NDF: 73654.6/112

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1421.753+/-0.231 χ^2/NDF: 834135.2/30

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1407.701+/-0.231 χ^2/NDF: 865010.9/33

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

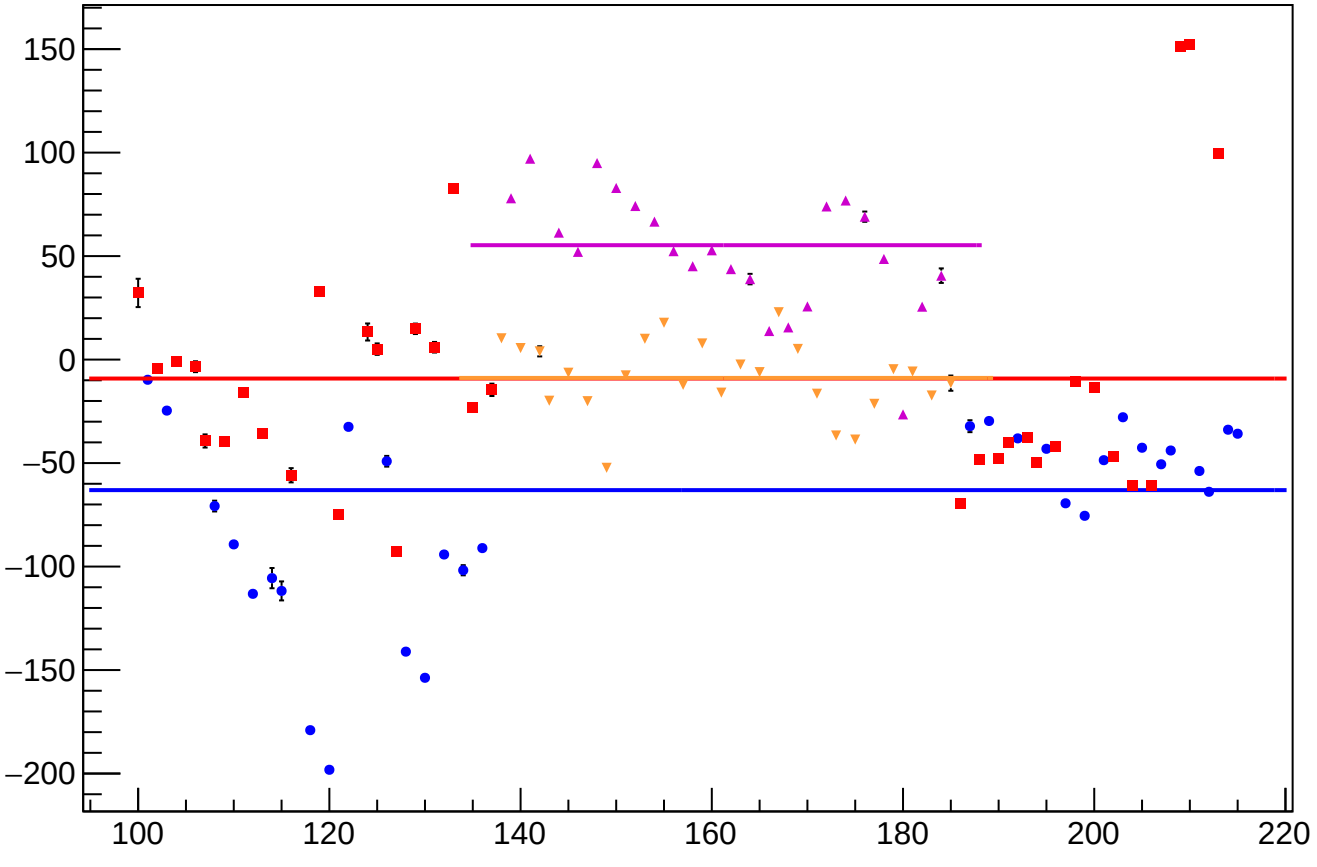
Right: 1414.705+/-0.163 χ^2/NDF: 1700996.2/64

In: 1385.065+/-0.161 χ^2/NDF:991361.7/53

Out: 1378.678+/-0.158 χ^2/NDF:999801.3/58

All: 1381.823+/-0.113 χ^2/NDF: 1991964.5/11

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -63.069+/-0.332 χ^2/NDF: 14728.5/30

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -9.159+/-0.330 χ^2/NDF: 38199.3/33

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

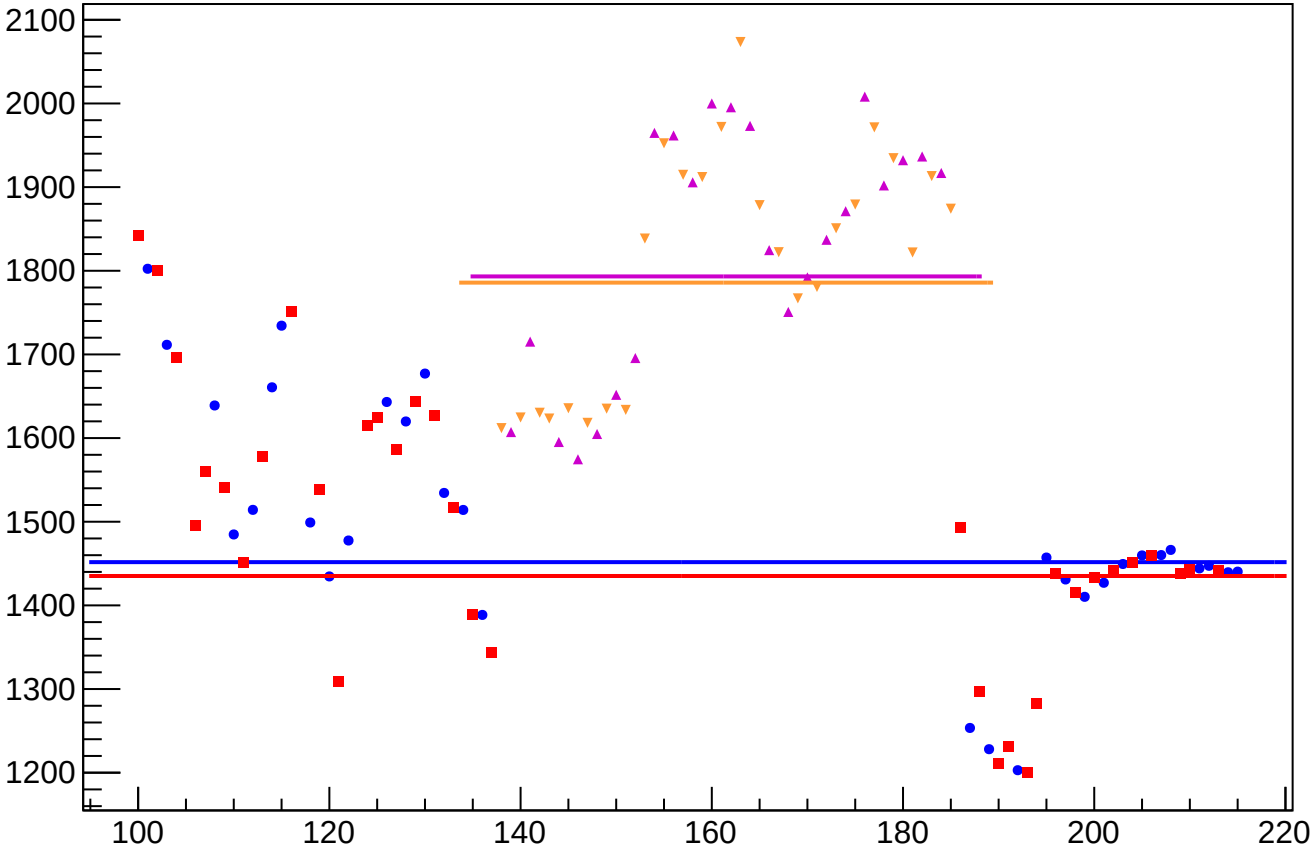
Right: -35.994+/-0.234 χ^2/NDF: 66202.7/64

In: -17.694+/-0.260 χ^2/NDF:68297.8/53

Out: -9.040+/-0.256 χ^2/NDF:40152.7/58

All: -13.301+/-0.183 χ^2/NDF: 109011.4/112

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1451.695+/-0.234 χ^2/NDF: 282047.1/30

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1435.129+/-0.233 χ^2/NDF: 330978.3/33

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

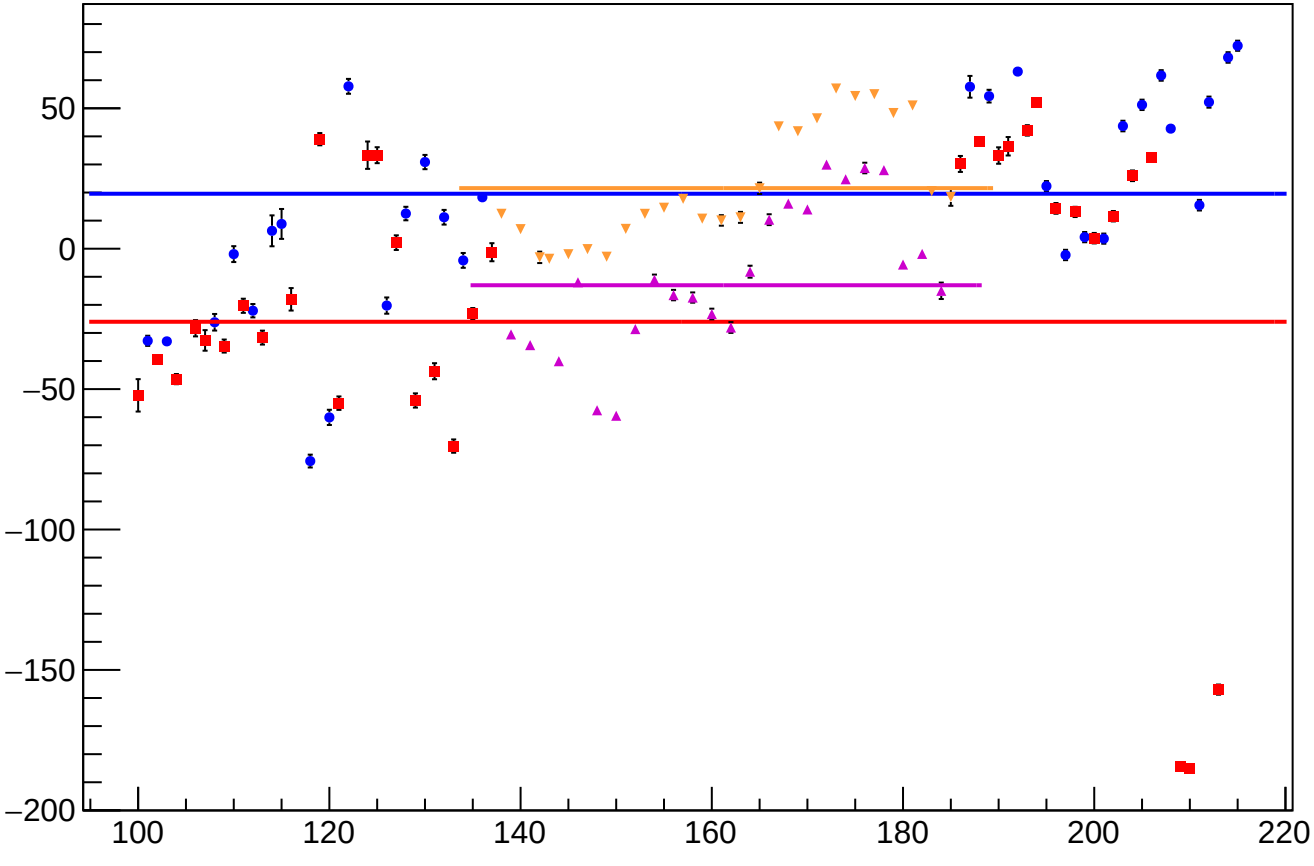
Right: 1443.375+/-0.165 χ^2/NDF: 615532.0/64

In: 1582.662+/-0.184 χ^2/NDF:1348480.5/53

Out: 1574.226+/-0.181 χ^2/NDF:1463463.4/58

All: 1578.380+/-0.129 χ^2/NDF: 2813009.5/11

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 19.572+/-0.381 χ^2/NDF: 9690.5/30

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -26.019+/-0.378 χ^2/NDF: 35919.4/33

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

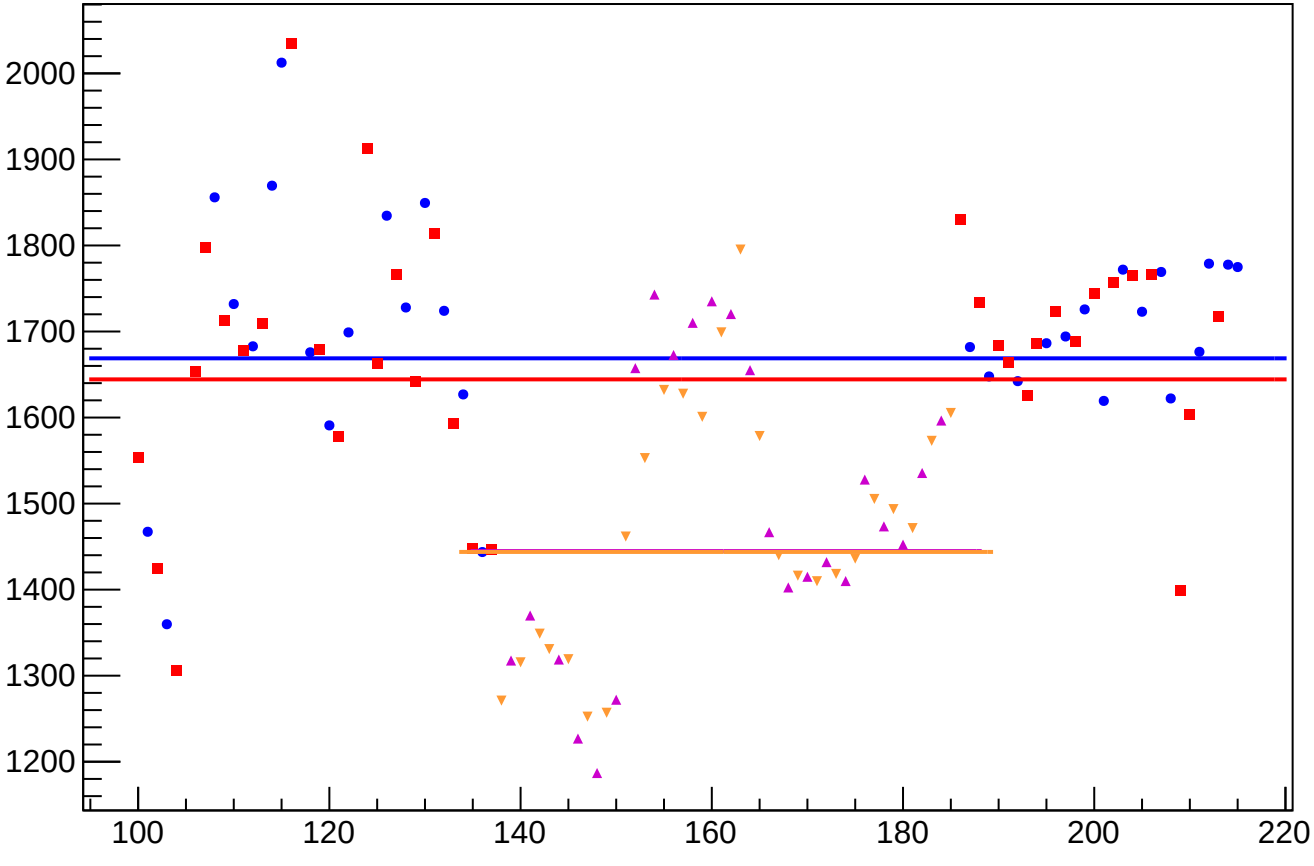
Right: -3.401+/-0.269 χ^2/NDF: 52811.6/64

In: 1.419+/-0.254 χ^2/NDF:20385.2/53

Out: 1.015+/-0.249 χ^2/NDF:49064.7/58

All: 1.213+/-0.178 χ^2/NDF: 69451.3/112

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1668.831+/-0.270 χ^2/NDF: 211024.1/30

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1644.366+/-0.268 χ^2/NDF: 281228.9/33

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

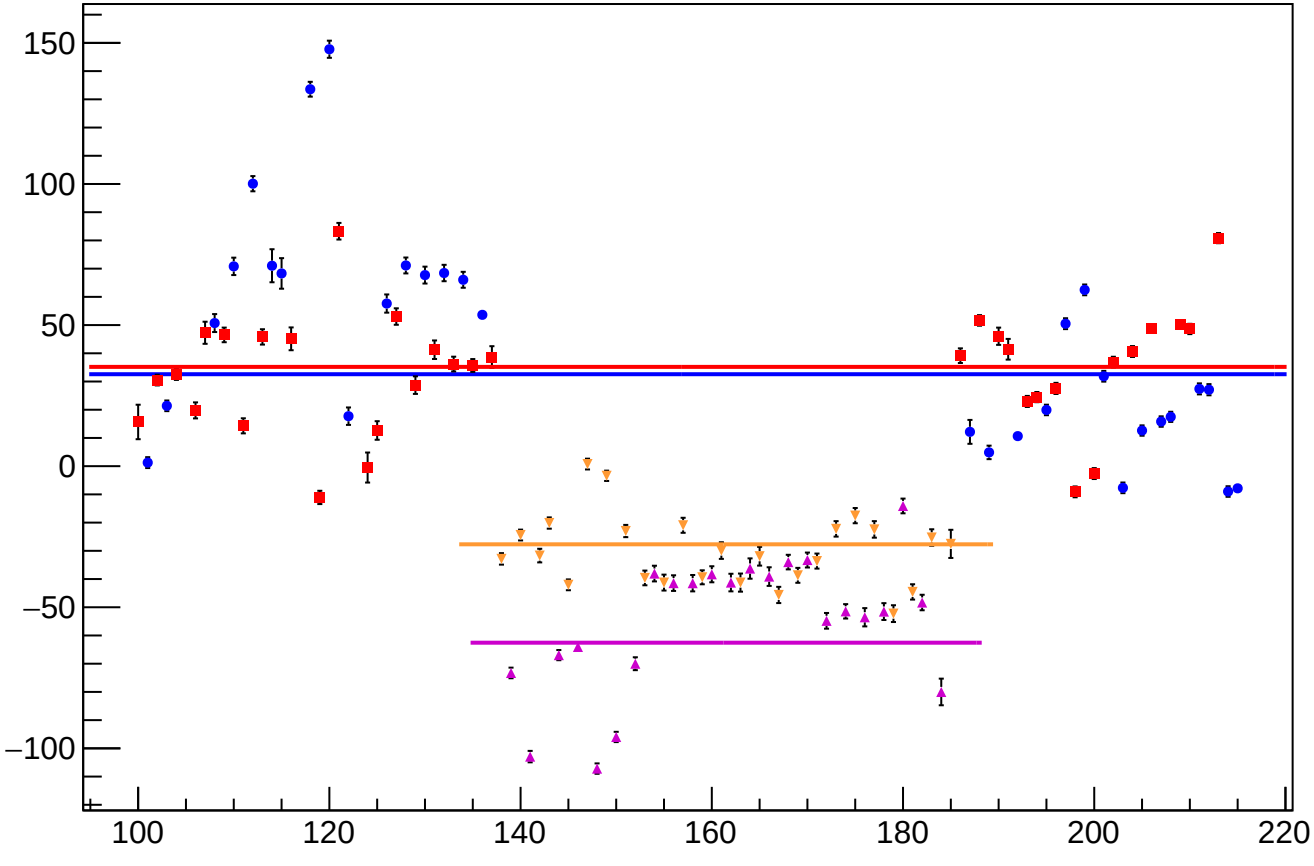
Right: 1656.503+/-0.190 χ^2/NDF: 496400.6/64

In: 1544.033+/-0.179 χ^2/NDF:1080709.5/53

Out: 1530.436+/-0.176 χ^2/NDF:952769.5/58

All: 1537.096+/-0.126 χ^2/NDF: 2036407.7/11

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 32.587+/-0.403 χ^2/NDF: 7393.2/30

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 35.186+/-0.402 χ^2/NDF: 2892.9/33

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

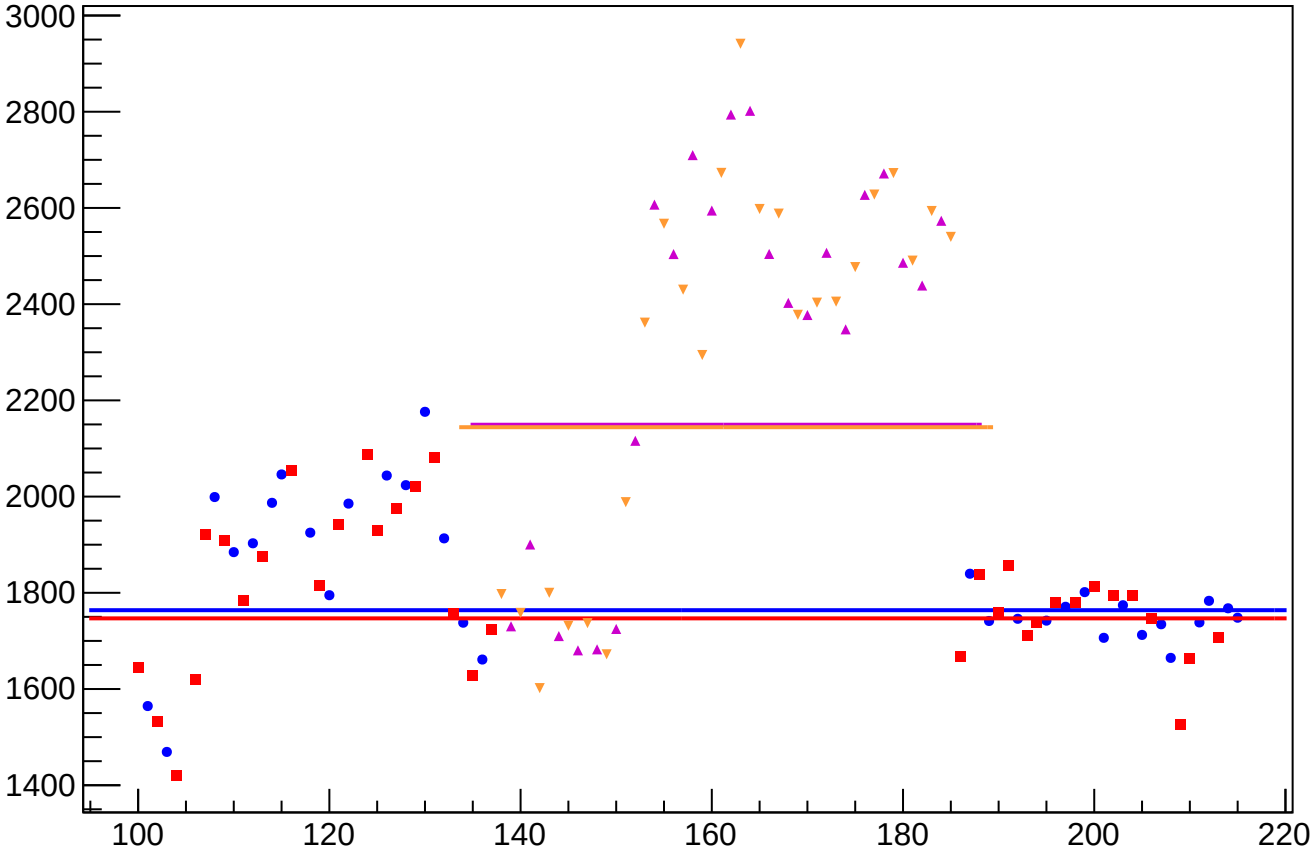
Right: 33.891+/-0.284 χ^2/NDF: 10306.9/64

In: -3.819+/-0.317 χ^2/NDF:31191.5/53

Out: 10.289+/-0.312 χ^2/NDF:13365.2/58

All: 3.334+/-0.222 χ^2/NDF: 45563.7/112

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1763.864+/-0.285 χ^2/NDF: 210701.2/30

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1746.847+/-0.284 χ^2/NDF: 246675.6/33

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

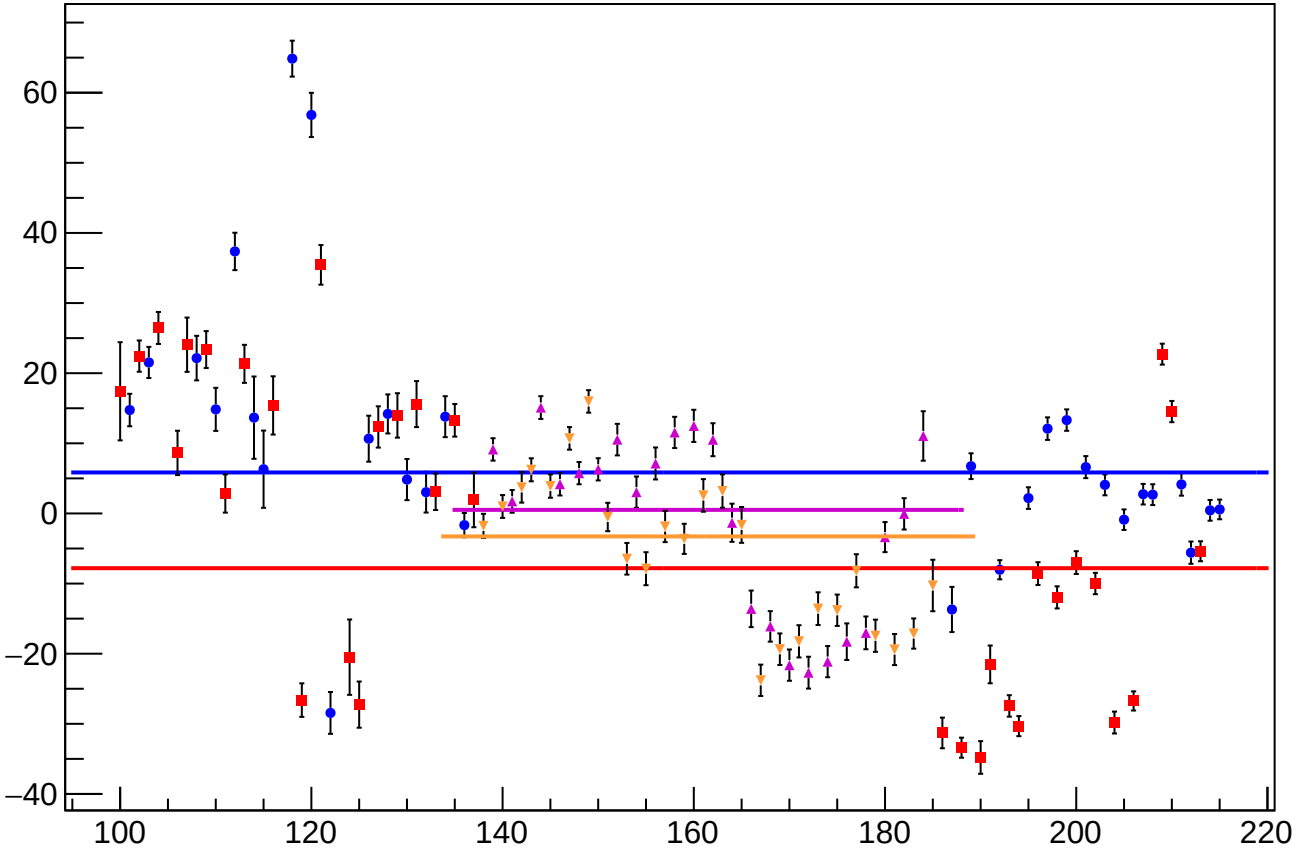
Right: 1755.328+/-0.201 χ^2/NDF: 459166.5/64

In: 1911.367+/-0.224 χ^2/NDF:2177044.2/53

Out: 1904.189+/-0.221 χ^2/NDF:2301848.3/58

All: 1907.728+/-0.157 χ^2/NDF: 4479413.9/11

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 5.846+/-0.349 χ^2/NDF: 1500.8/30

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -7.806+/-0.353 χ^2/NDF: 3454.8/33

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

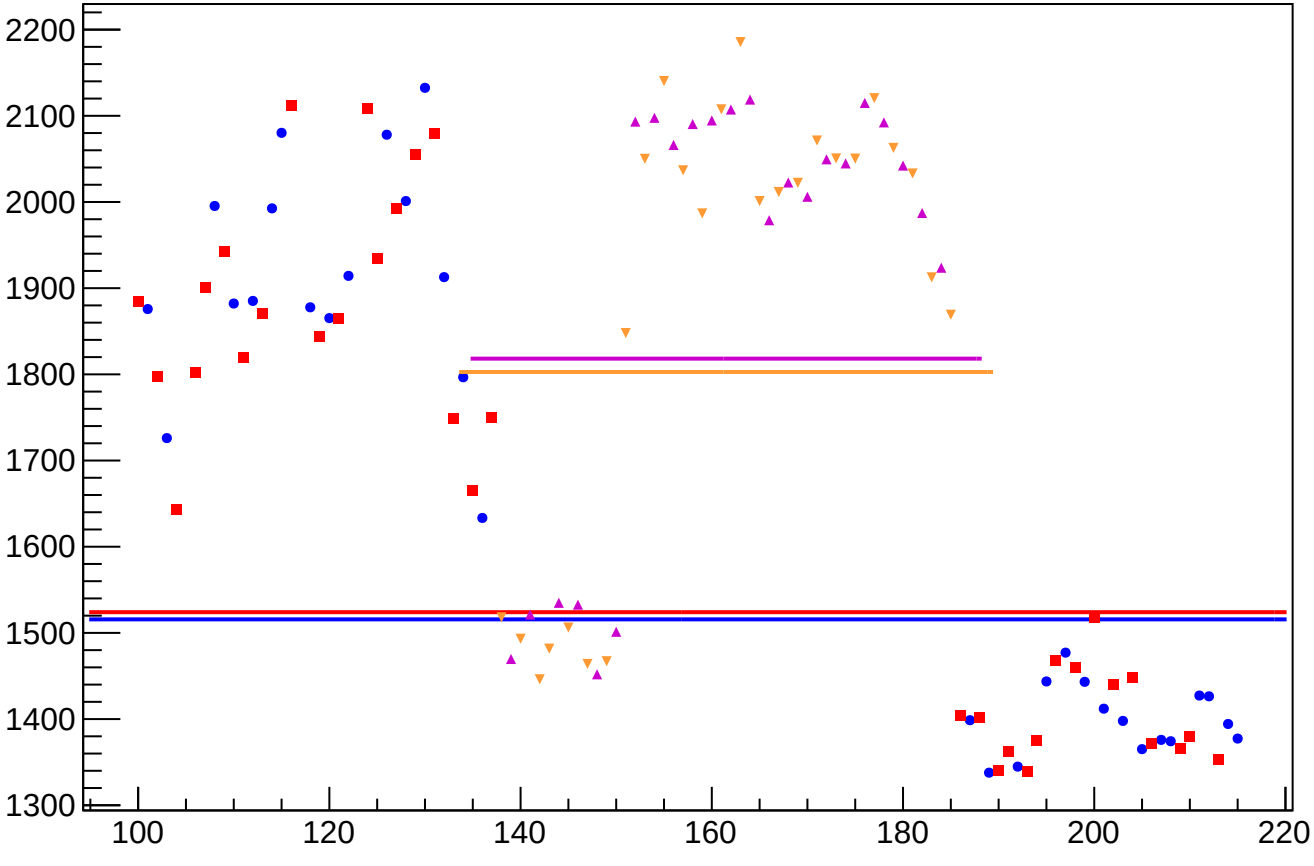
Right: -0.902+/-0.248 χ^2/NDF: 5713.3/64

In: 3.728+/-0.271 χ^2/NDF:2339.5/53

Out: -5.904+/-0.269 χ^2/NDF:4195.2/58

All: -1.126+/-0.191 χ^2/NDF: 7172.4/112

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1515.703+/-0.247 χ^2/NDF: 773319.8/30

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1524.037+/-0.249 χ^2/NDF: 736517.0/33

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

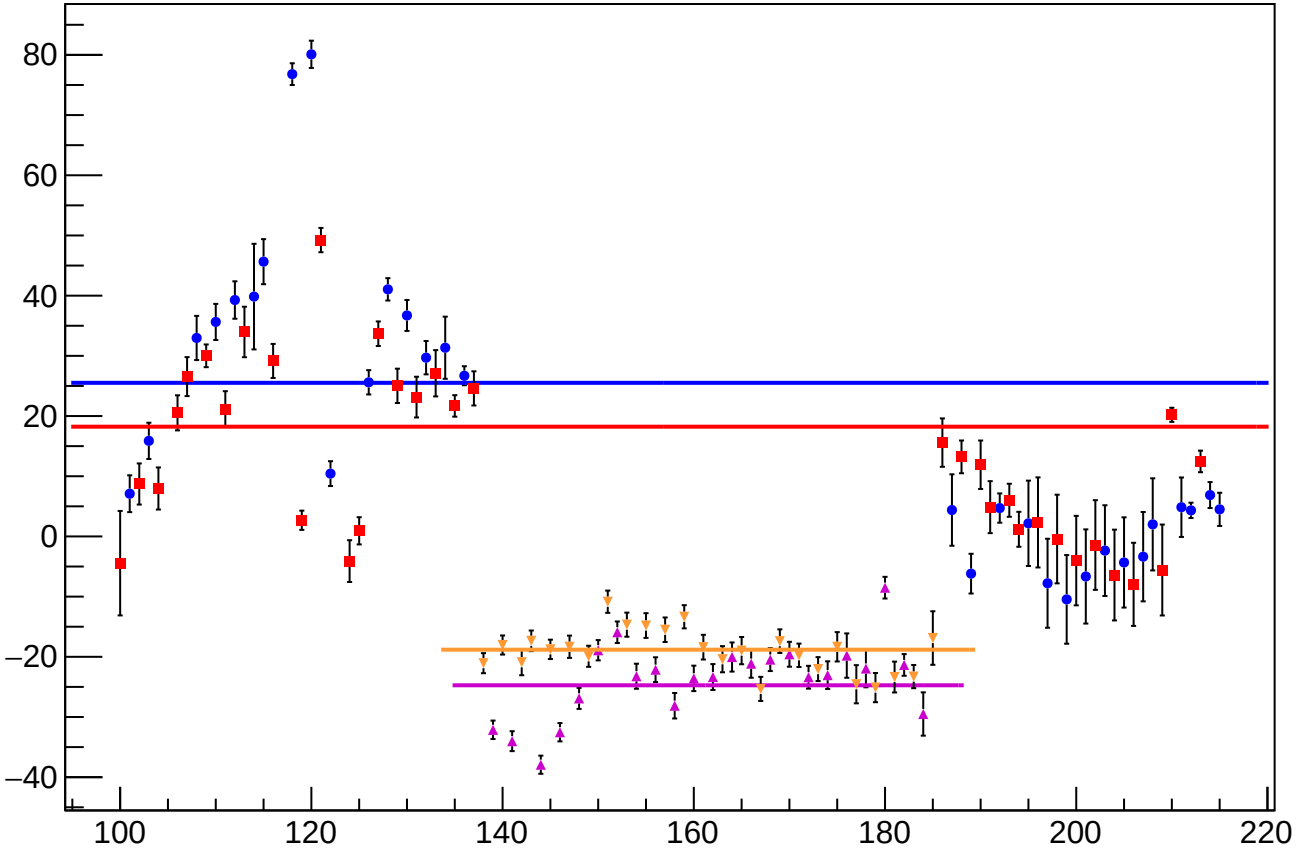
Right: 1519.822+/-0.175 χ^2/NDF: 1510401.4/64

In: 1635.785+/-0.191 χ^2/NDF:2211274.8/53

Out: 1641.037+/-0.190 χ^2/NDF:2158198.2/58

All: 1638.431+/-0.135 χ^2/NDF: 4369852.1/11

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 25.519+/-0.499 χ^2/NDF: 2375.5/30

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.232+/-0.467 χ^2/NDF: 754.9/33

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

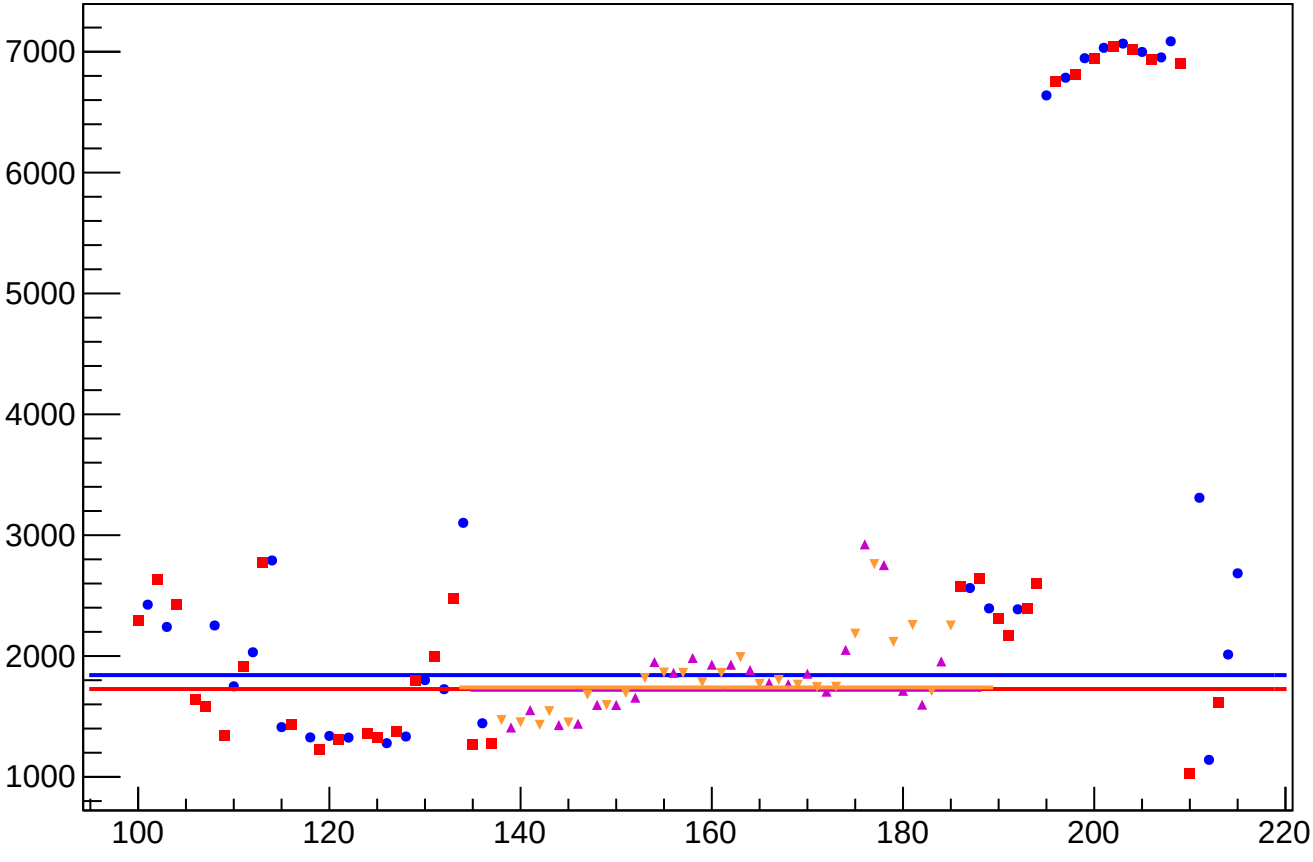
Right: 21.638+/-0.341 χ^2/NDF: 3244.0/64

In: -4.546+/-0.316 χ^2/NDF:8753.9/53

Out: -3.066+/-0.305 χ^2/NDF:4441.6/58

All: -3.779+/-0.219 χ^2/NDF: 13206.9/112

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1842.257+/-0.353 χ^2/NDF: 9747327.2/30

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1727.092+/-0.330 χ^2/NDF: 9488511.3/33

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

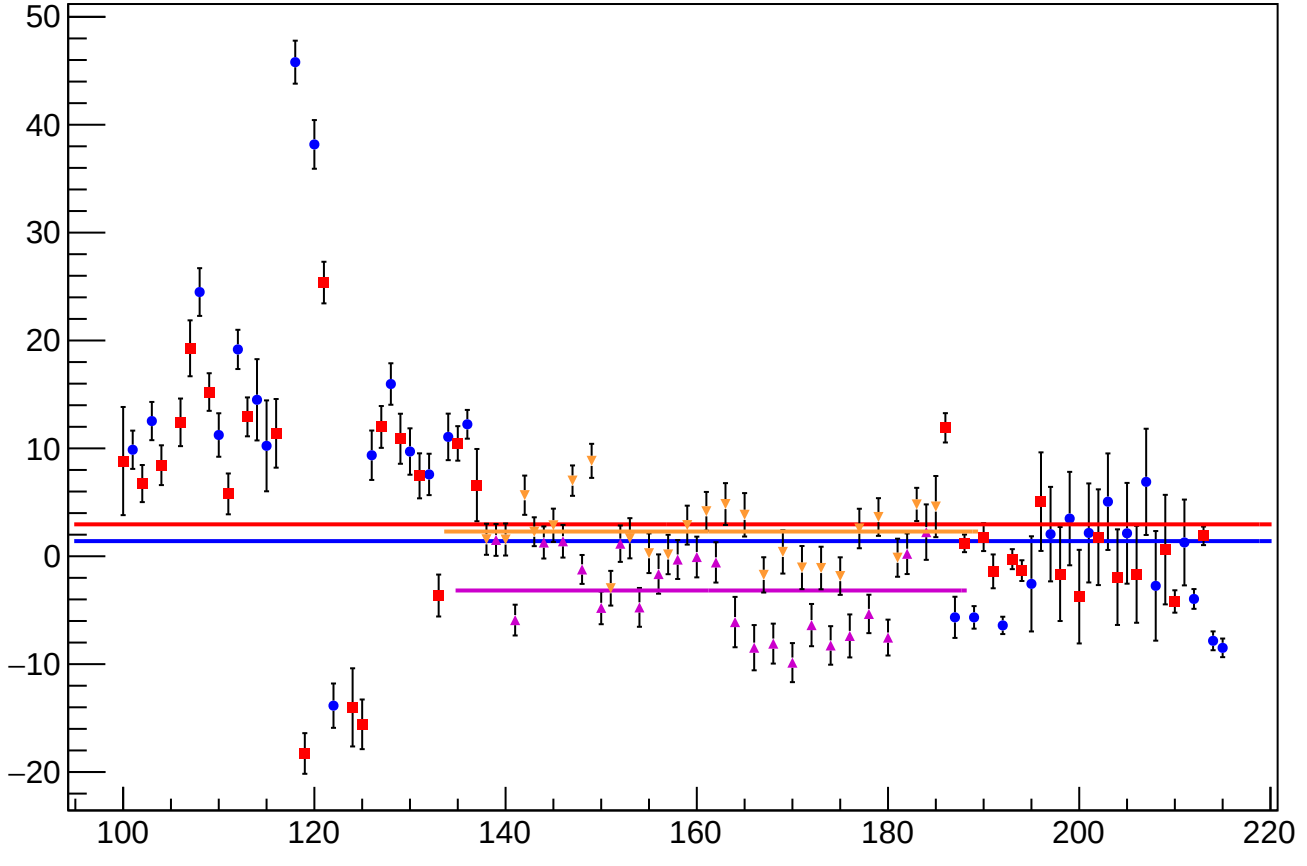
Right: 1780.926+/-0.241 χ^2/NDF: 19292599.5/64

In: 1769.628+/-0.224 χ^2/NDF:10702169.5/53

Out: 1734.564+/-0.215 χ^2/NDF:10242777.9/58

All: 1751.450+/-0.155 χ^2/NDF: 20957698.7/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 1.404+/-0.302 χ^2/NDF: 1740.5/30

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 2.959+/-0.286 χ^2/NDF: 728.0/33

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

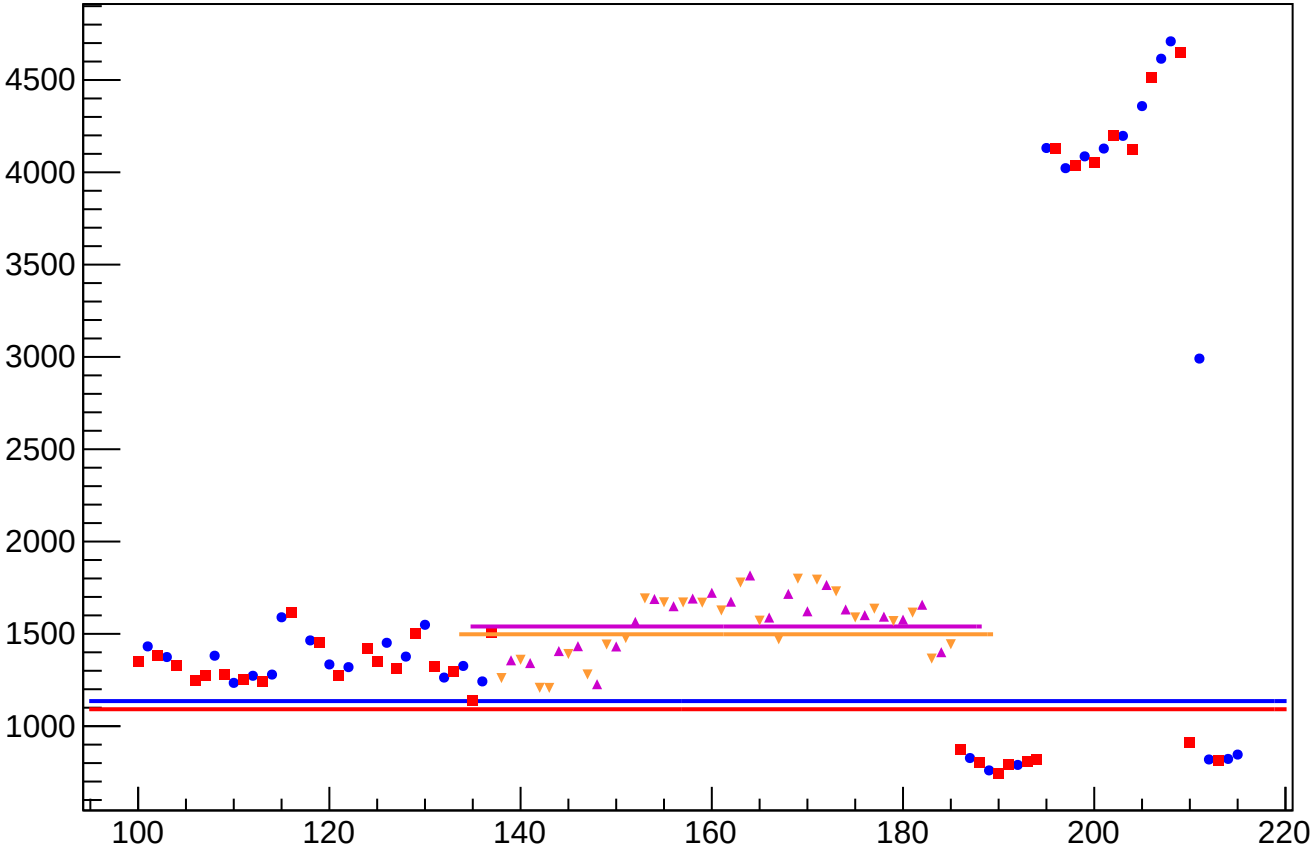
Right: 2.223+/-0.208 χ^2/NDF: 2482.5/64

In: -0.472+/-0.232 χ^2/NDF:1945.0/53

Out: 2.686+/-0.220 χ^2/NDF:803.7/58

All: 1.191+/-0.160 χ^2/NDF: 2846.2/112

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1135.807+/-0.214 χ^2/NDF: 9710626.0/30

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1091.679+/-0.202 χ^2/NDF: 8437719.5/33

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

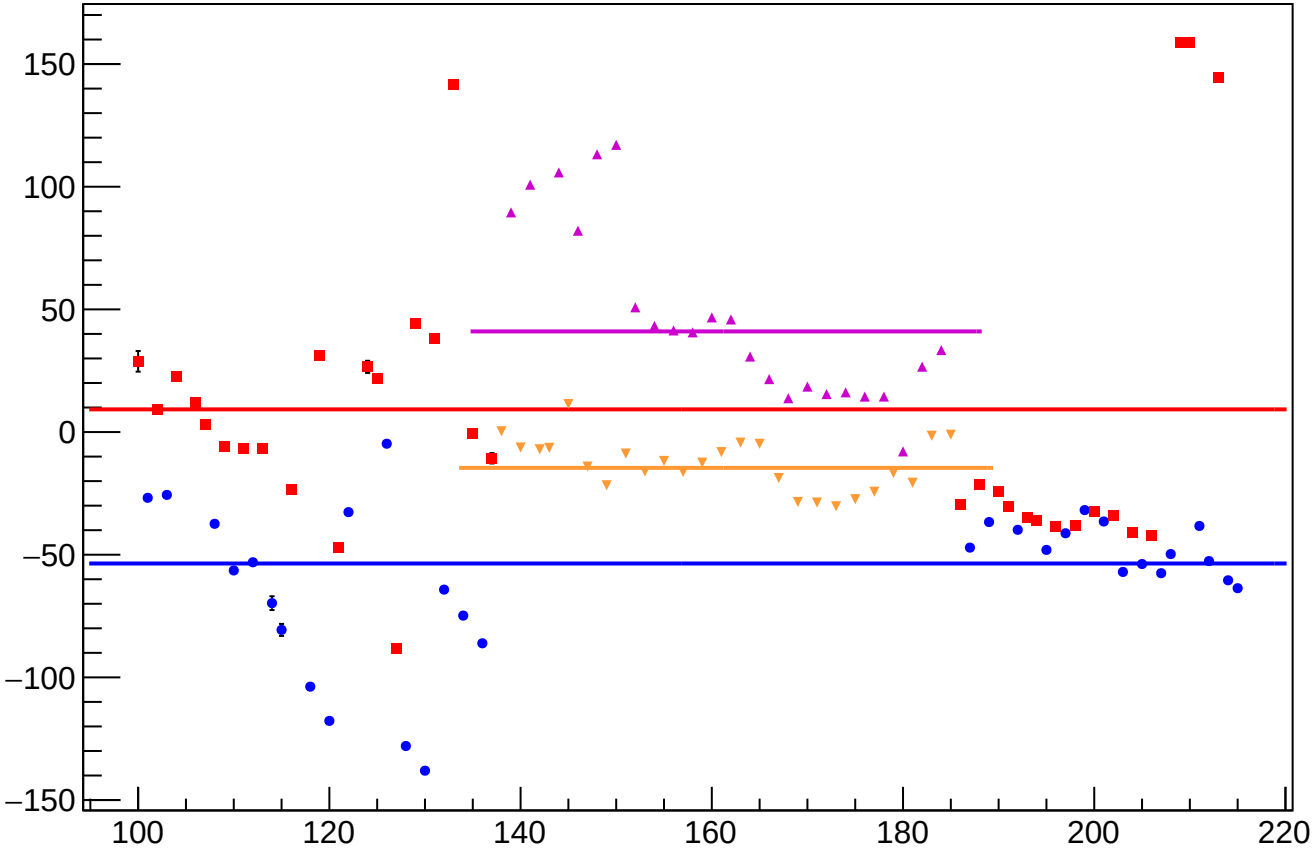
Right: 1112.566+/-0.147 χ^2/NDF: 18170826.6/64

In: 1301.430+/-0.164 χ^2/NDF:11557970.9/53

Out: 1258.168+/-0.156 χ^2/NDF:10655252.3/58

All: 1278.642+/-0.113 χ^2/NDF: 22249843.8/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -53.579+/-0.162 χ^2/NDF: 18638.5/30

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 9.243+/-0.165 χ^2/NDF: 199547.9/33

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

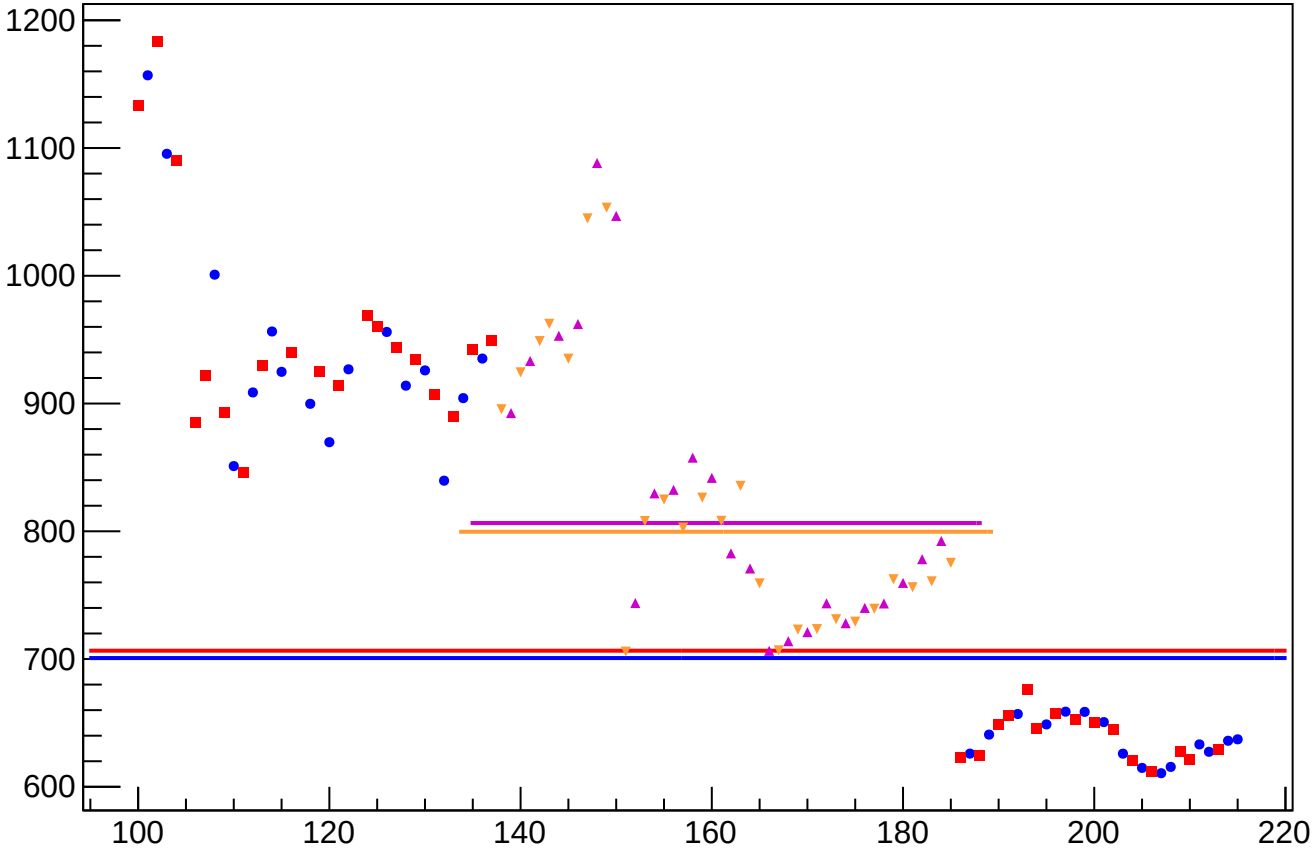
Right: -22.639+/-0.116 χ^2/NDF: 292051.2/64

In: -13.641+/-0.123 χ^2/NDF:193279.3/53

Out: -1.427+/-0.122 χ^2/NDF:212088.8/58

All: -7.488+/-0.087 χ^2/NDF: 410310.2/112

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 700.775+/-0.115 χ^2/NDF: 1286123.7/30

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 706.528+/-0.116 χ^2/NDF: 1322056.8/33

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

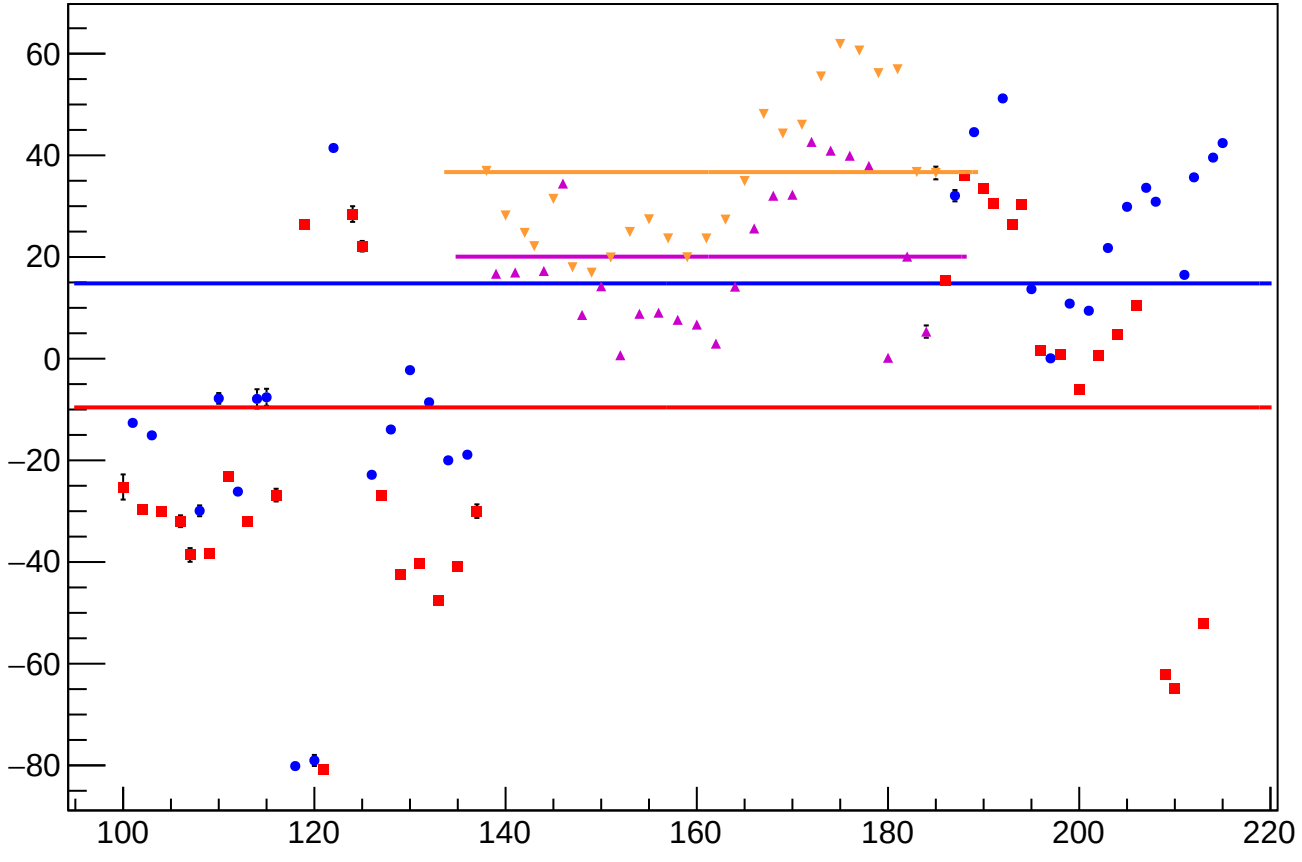
Right: 703.609+/-0.082 χ^2/NDF: 2609419.4/64

In: 745.401+/-0.087 χ^2/NDF:2155922.6/53

Out: 748.202+/-0.087 χ^2/NDF:2105686.2/58

All: 746.812+/-0.061 χ^2/NDF: 4262128.8/112

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 14.810+/-0.121 χ^2/NDF: 53514.8/30

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -9.580+/-0.122 χ^2/NDF: 75073.5/33

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

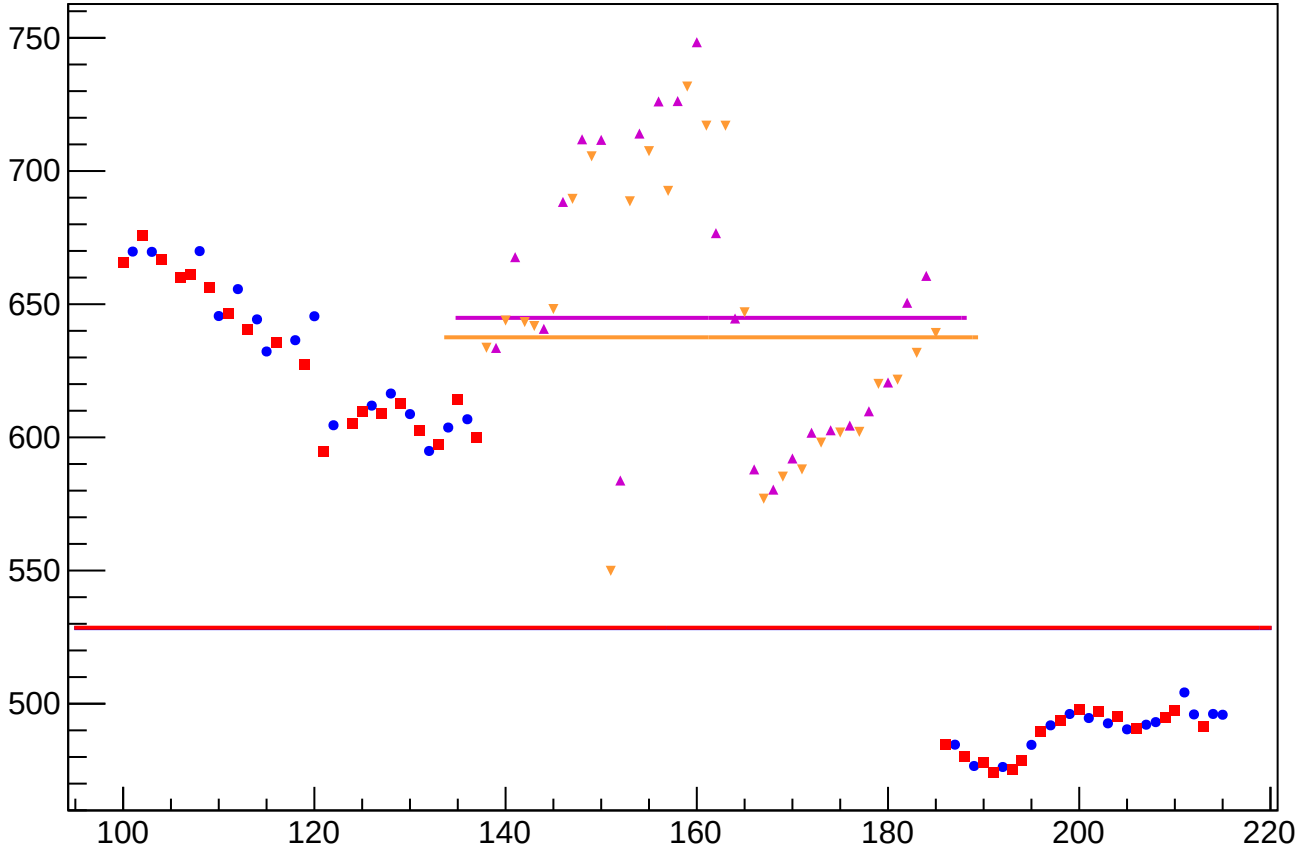
Right: 2.698+/-0.086 χ^2/NDF: 148735.4/64

In: 16.864+/-0.095 χ^2/NDF:62812.4/53

Out: 9.524+/-0.093 χ^2/NDF:144790.0/58

All: 13.151+/-0.066 χ^2/NDF: 210653.1/112

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 528.379+/-0.086 χ^2/NDF: 541864.6/30

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 528.535+/-0.086 χ^2/NDF: 569356.3/33

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

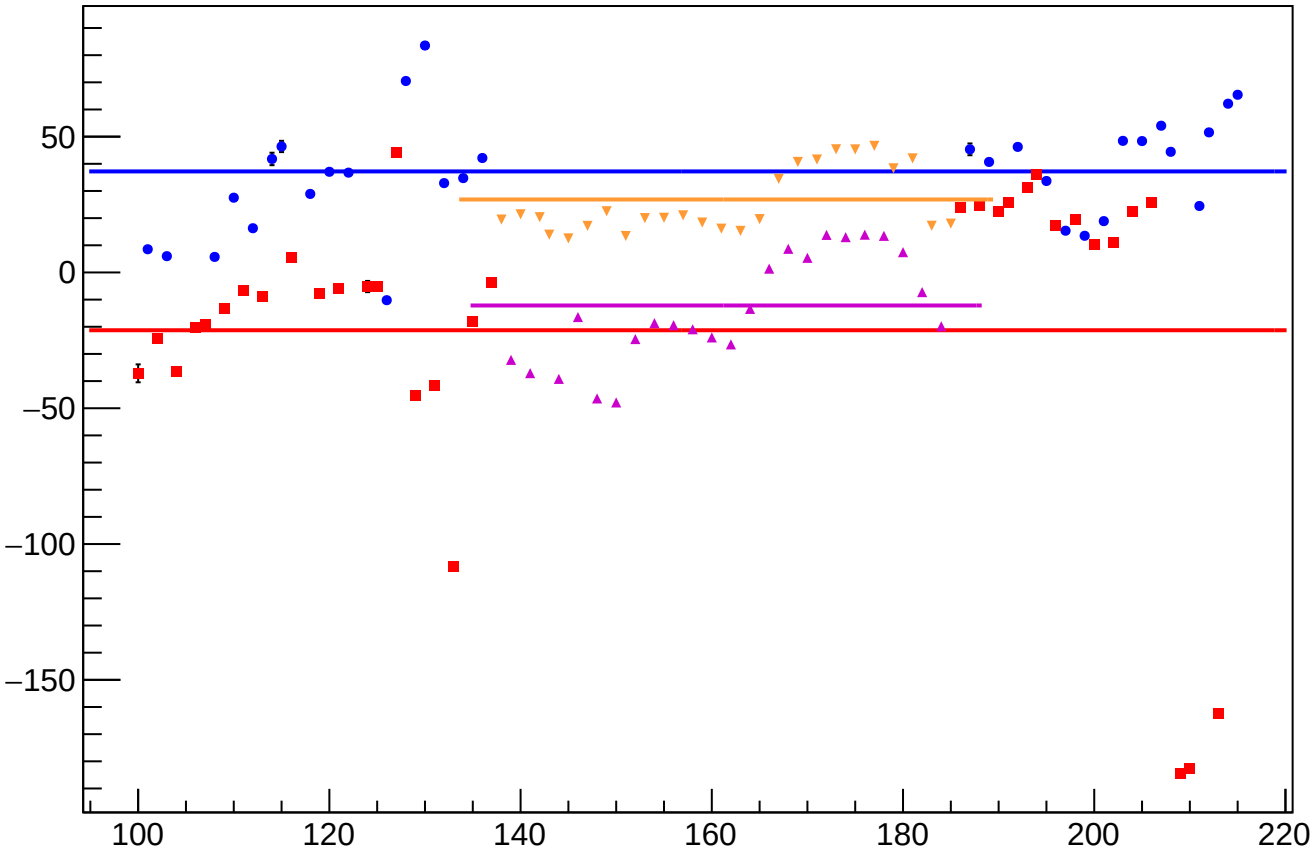
Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

Right: 528.456+/-0.061 χ^2/NDF: 1111222.5/64

In: 573.885+/-0.067 χ^2/NDF:1494539.5/53

Out: 573.539+/-0.066 χ^2/NDF:1466121.1/58

All: 573.710+/-0.047 χ^2/NDF: 2960674.2/112



Right In: 37.201+/-0.198 χ^2/NDF: 10696.8/30

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -21.282+/-0.199 χ^2/NDF: 102878.3/33

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

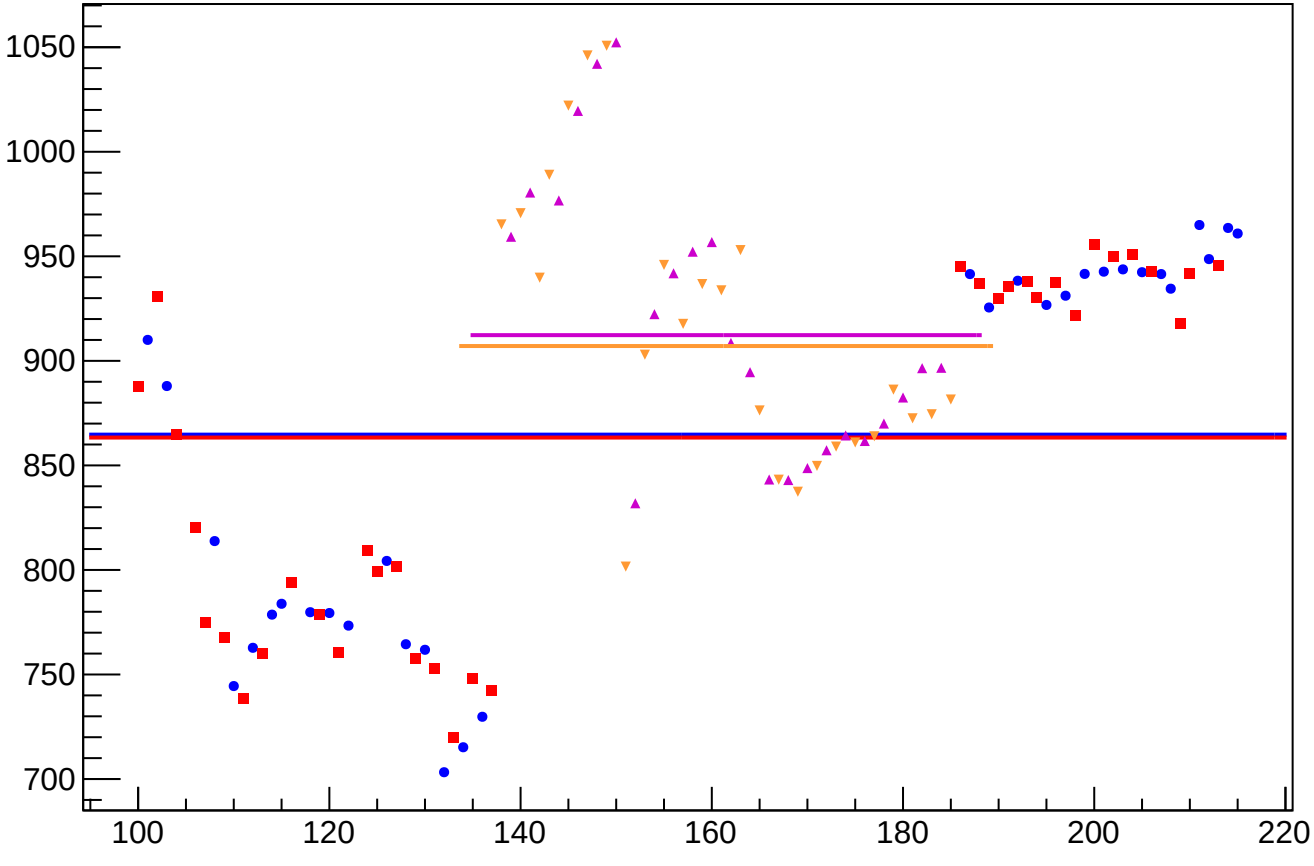
Right: 8.068+/-0.140 χ^2/NDF: 157067.3/64

In: 14.408+/-0.145 χ^2/NDF:47962.8/53

Out: 1.841+/-0.143 χ^2/NDF:134478.2/58

All: 8.038+/-0.102 χ^2/NDF: 186237.7/112

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 864.715+/-0.140 χ^2/NDF: 436472.0/30

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 863.318+/-0.140 χ^2/NDF: 377368.1/33

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

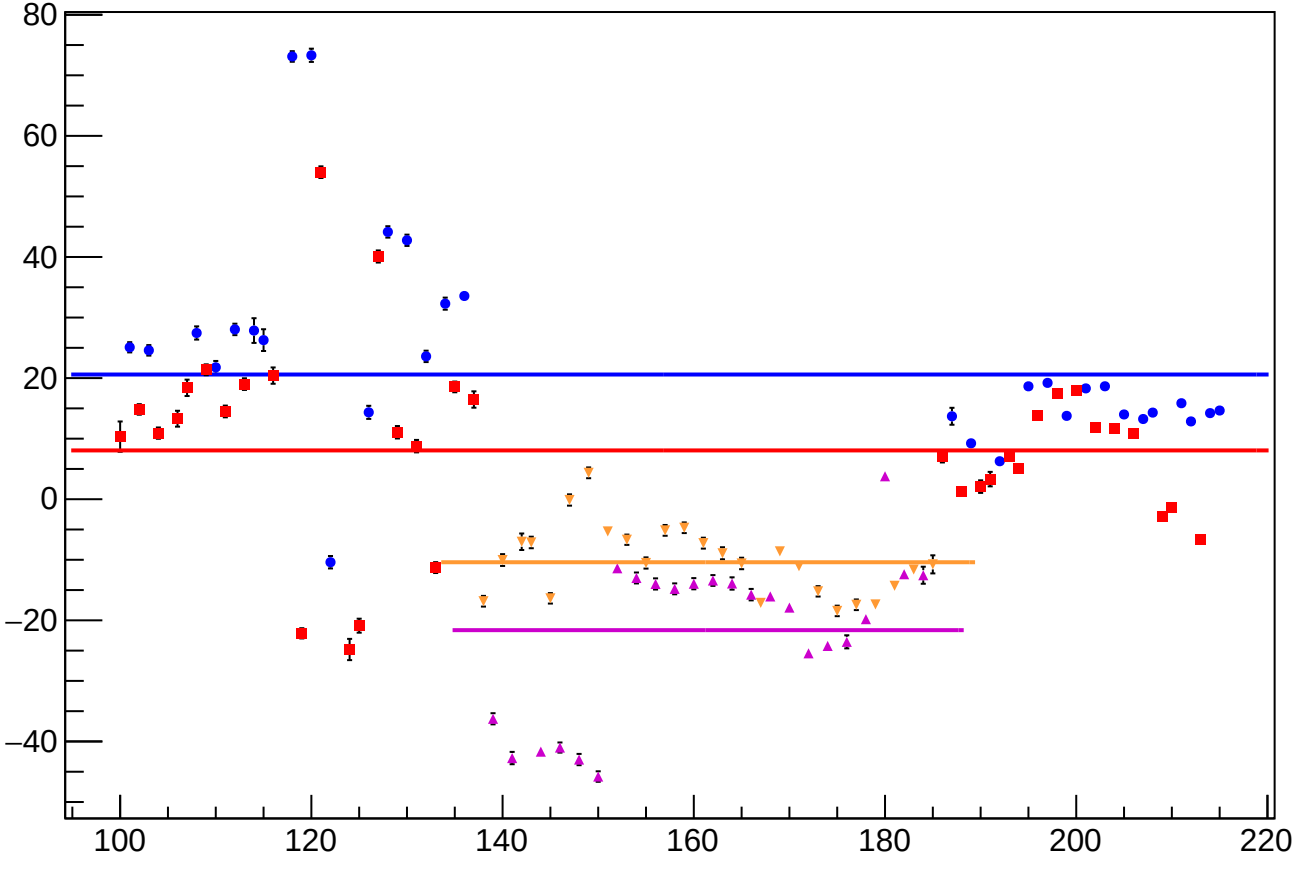
Right: 864.019+/-0.099 χ^2/NDF: 813889.7/64

In: 886.688+/-0.103 χ^2/NDF:664570.8/53

Out: 884.339+/-0.101 χ^2/NDF:618602.1/58

All: 885.497+/-0.072 χ^2/NDF: 1283438.3/112

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 20.592+/-0.140 χ^2/NDF: 10436.5/30

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 8.058+/-0.140 χ^2/NDF: 8951.8/33

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

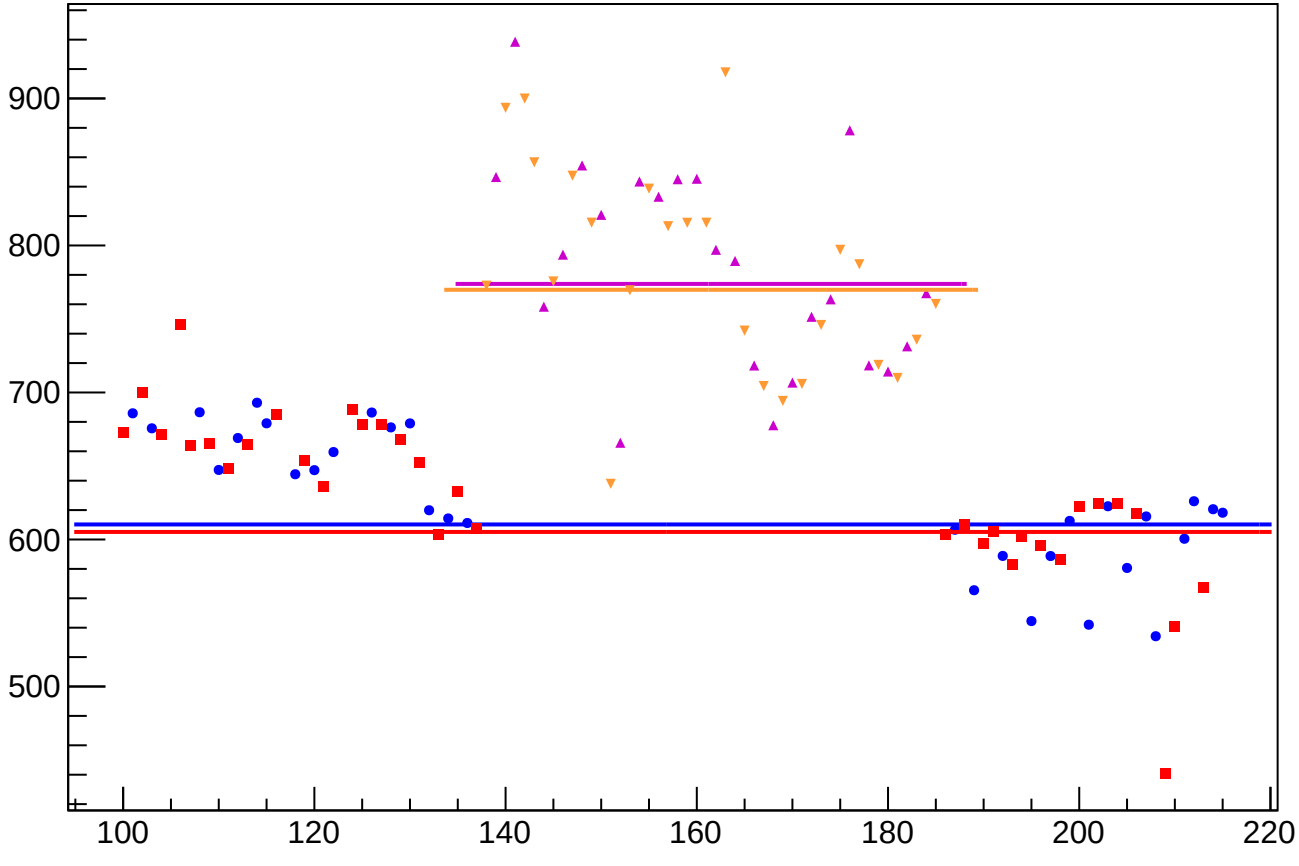
Right: 14.321+/-0.099 χ^2/NDF: 23418.6/64

In: 4.941+/-0.111 χ^2/NDF:49552.8/53

Out: 0.929+/-0.109 χ^2/NDF:16750.5/58

All: 2.909+/-0.078 χ^2/NDF: 66967.4/112

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 610.233+/-0.099 χ^2/NDF: 196831.8/30

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 605.138+/-0.099 χ^2/NDF: 408662.5/33

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

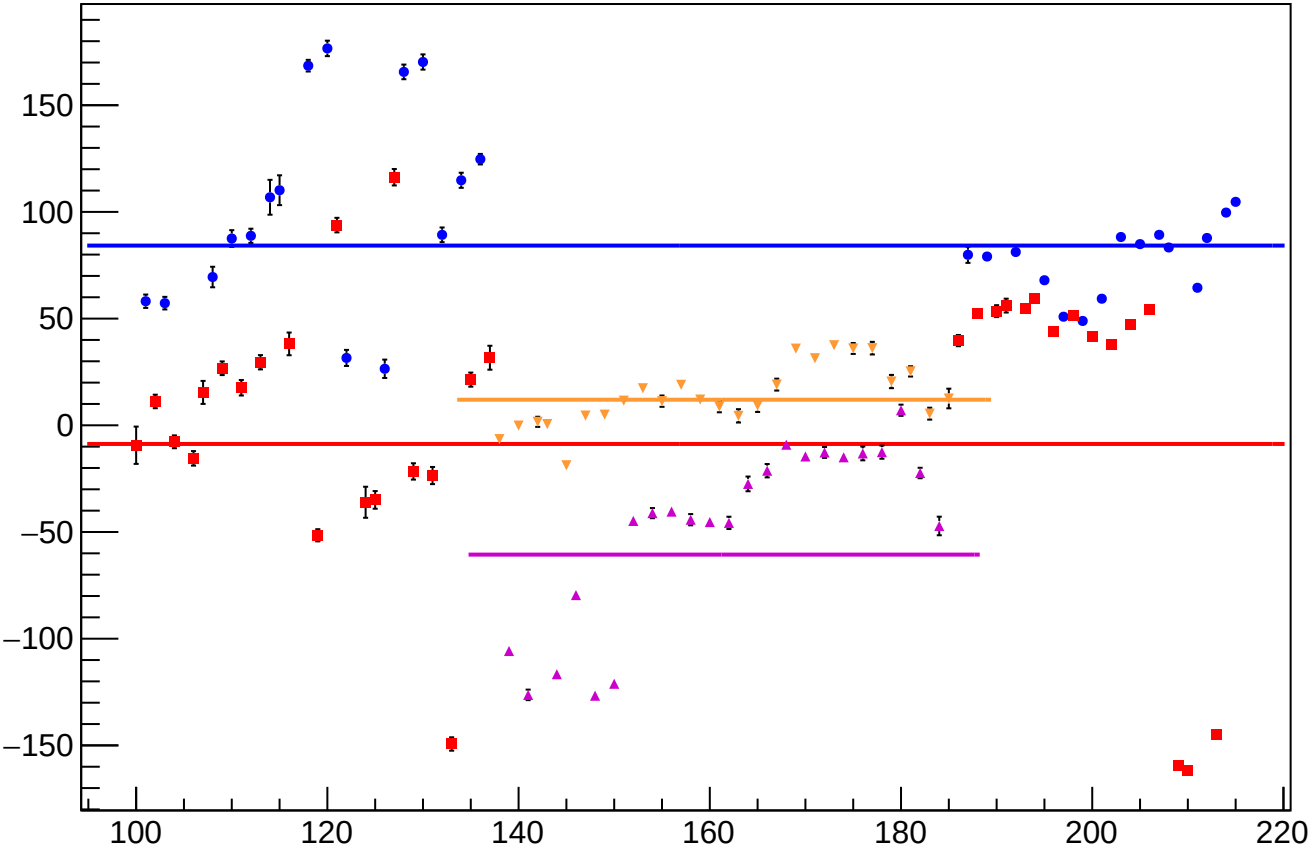
Right: 607.684+/-0.070 χ^2/NDF: 606826.3/64

In: 670.896+/-0.078 χ^2/NDF:1497396.4/53

Out: 668.728+/-0.077 χ^2/NDF:1788593.6/58

All: 669.798+/-0.055 χ^2/NDF: 3286377.9/112

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 84.221+/-0.419 χ^2/NDF: 5014.1/30

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -8.741+/-0.414 χ^2/NDF: 44523.8/33

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

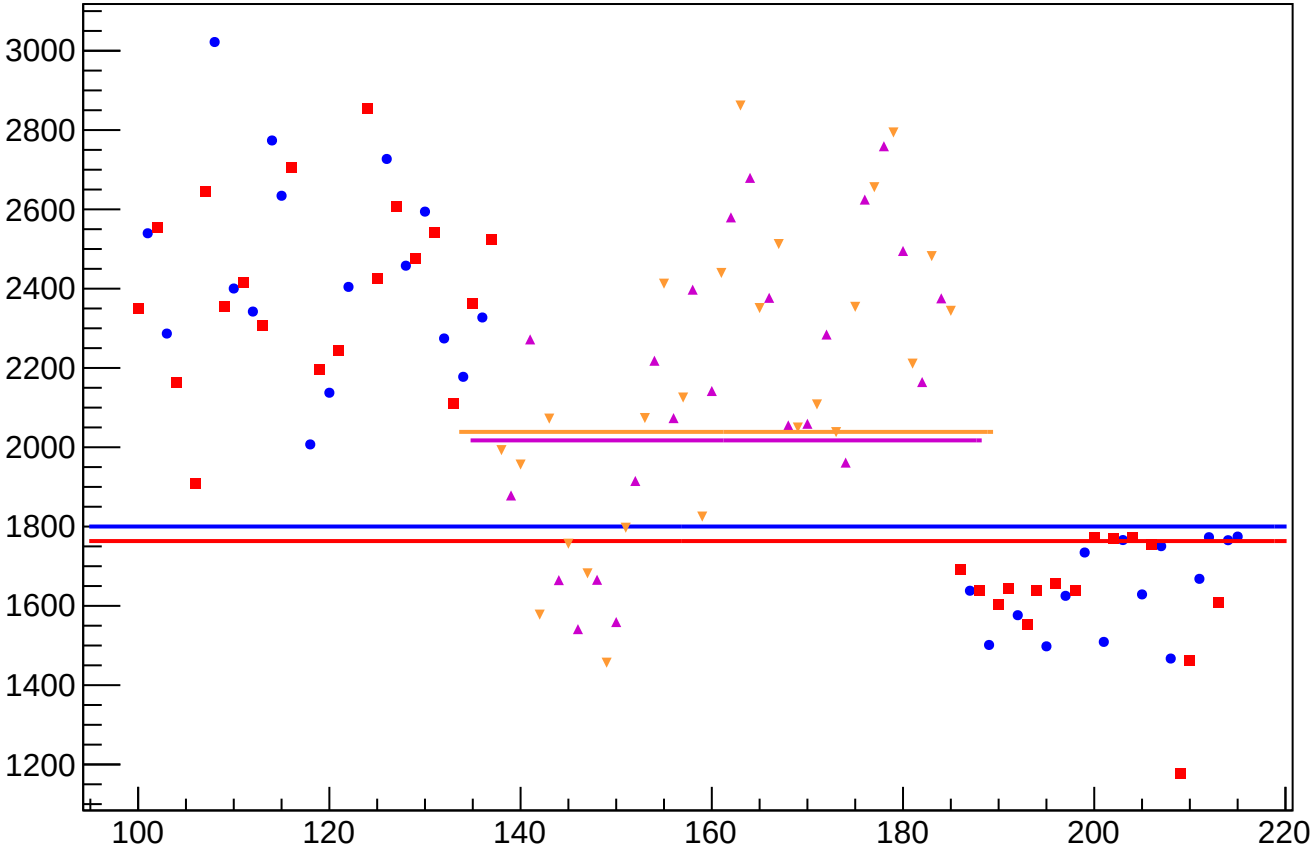
Right: 37.210+/-0.294 χ^2/NDF: 74452.3/64

In: 21.757+/-0.316 χ^2/NDF:65222.0/53

Out: 0.284+/-0.311 χ^2/NDF:46562.1/58

All: 10.860+/-0.222 χ^2/NDF: 114129.9/112

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1800.123+/-0.296 χ^2/NDF: 1298516.3/30

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1763.418+/-0.293 χ^2/NDF: 1597961.9/33

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

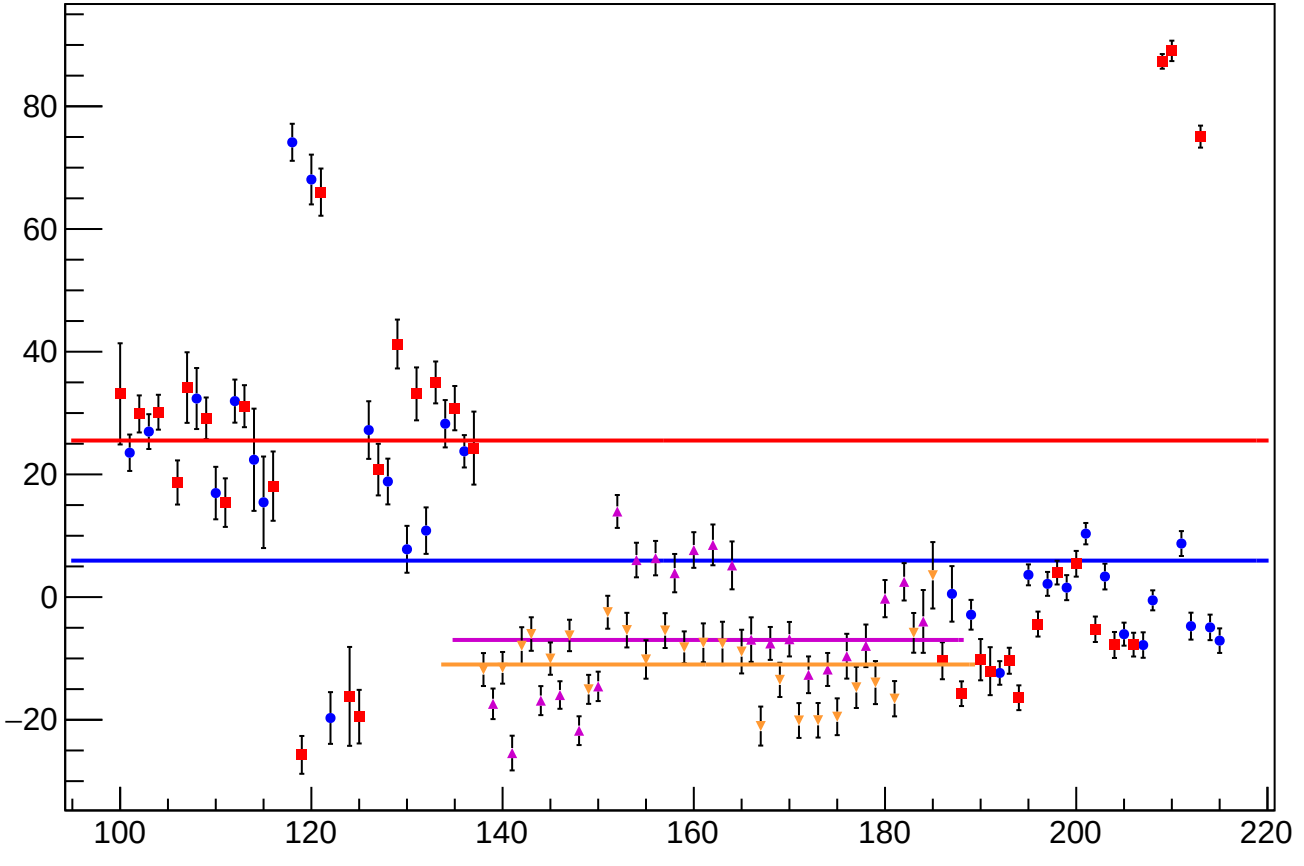
Right: 1781.561+/-0.208 χ^2/NDF: 2904246.4/64

In: 1893.809+/-0.223 χ^2/NDF:2580571.8/53

Out: 1883.307+/-0.220 χ^2/NDF:3106571.0/58

All: 1888.479+/-0.157 χ^2/NDF: 5688265.2/11

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 5.946+/-0.454 χ^2/NDF: 1400.0/30

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 25.523+/-0.446 χ^2/NDF: 8142.1/33

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

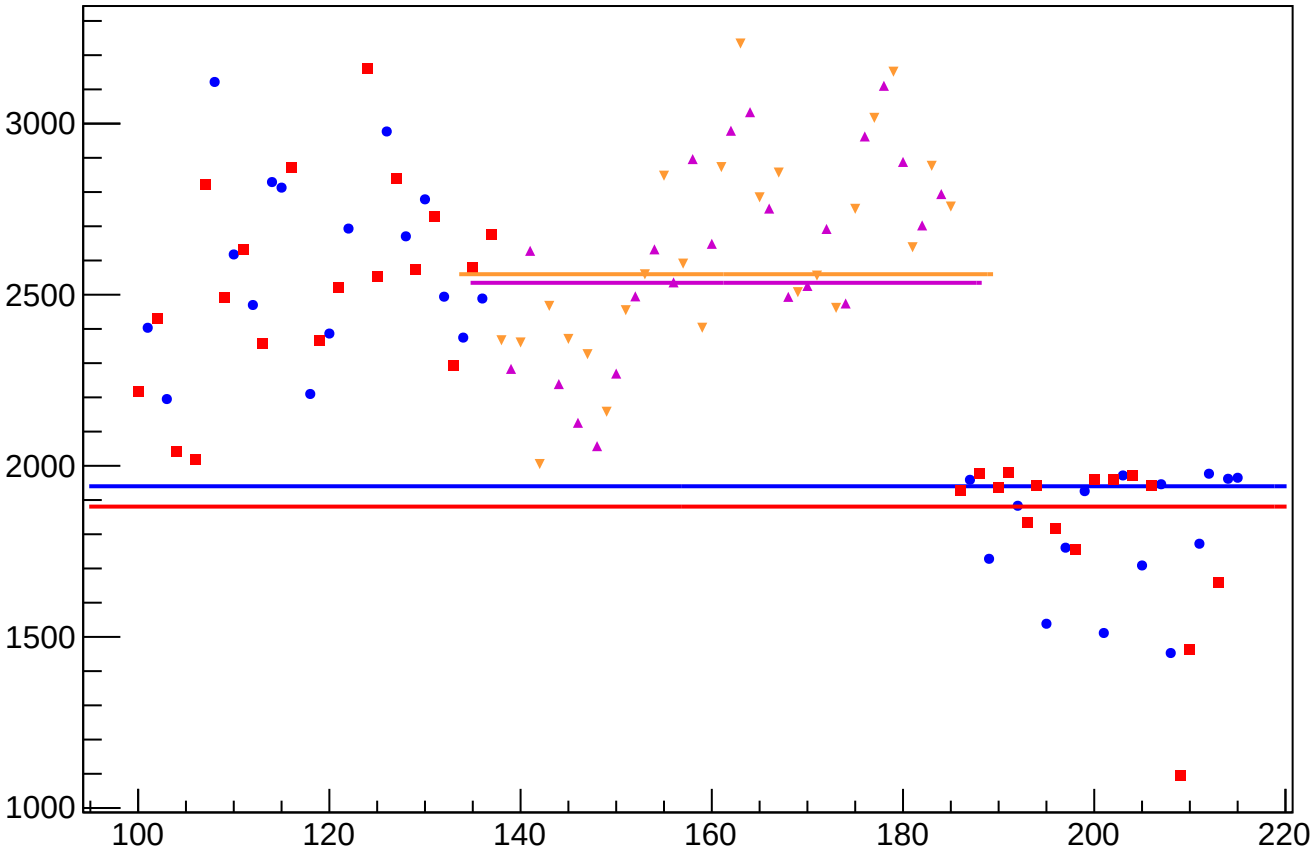
Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

Right: 15.914+/-0.318 χ^2/NDF: 10489.3/64

In: 1.225+/-0.362 χ^2/NDF:2035.9/53

Out: 12.143+/-0.355 χ^2/NDF:10689.4/58

All: 6.789+/-0.253 χ^2/NDF: 13189.8/112



Right In: 1940.242+/-0.321 χ^2/NDF: 1343341.8/30

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 1880.813+/-0.315 χ^2/NDF: 2005772.5/33

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

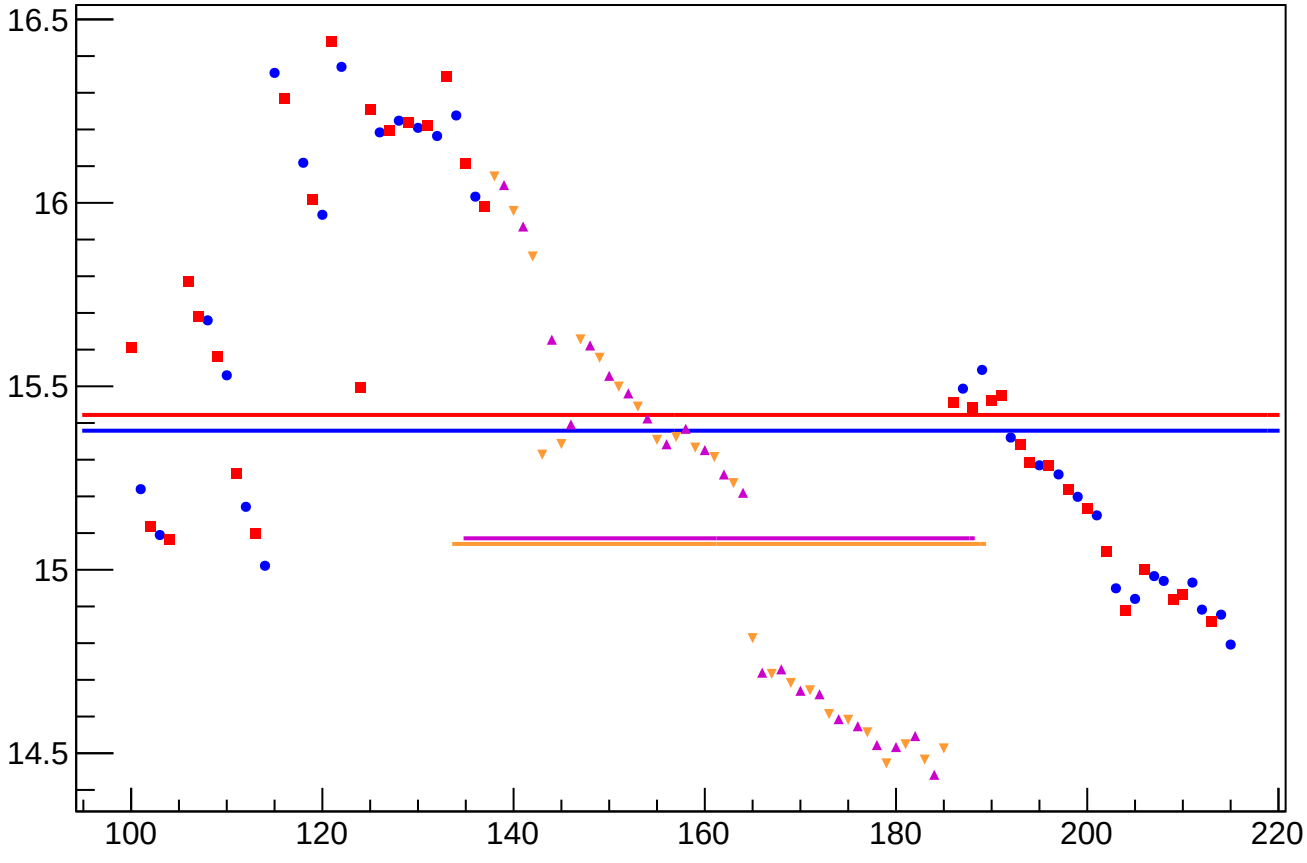
Right: 1909.984+/-0.225 χ^2/NDF: 3366571.9/64

In: 2157.337+/-0.256 χ^2/NDF:3060069.2/53

Out: 2129.718+/-0.251 χ^2/NDF:4158216.9/58

All: 2143.260+/-0.179 χ^2/NDF: 7224231.9/11

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.379+/-0.000 χ^2/NDF: 28810891196.1/30

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.422+/-0.000 χ^2/NDF: 23396096009.7/33

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

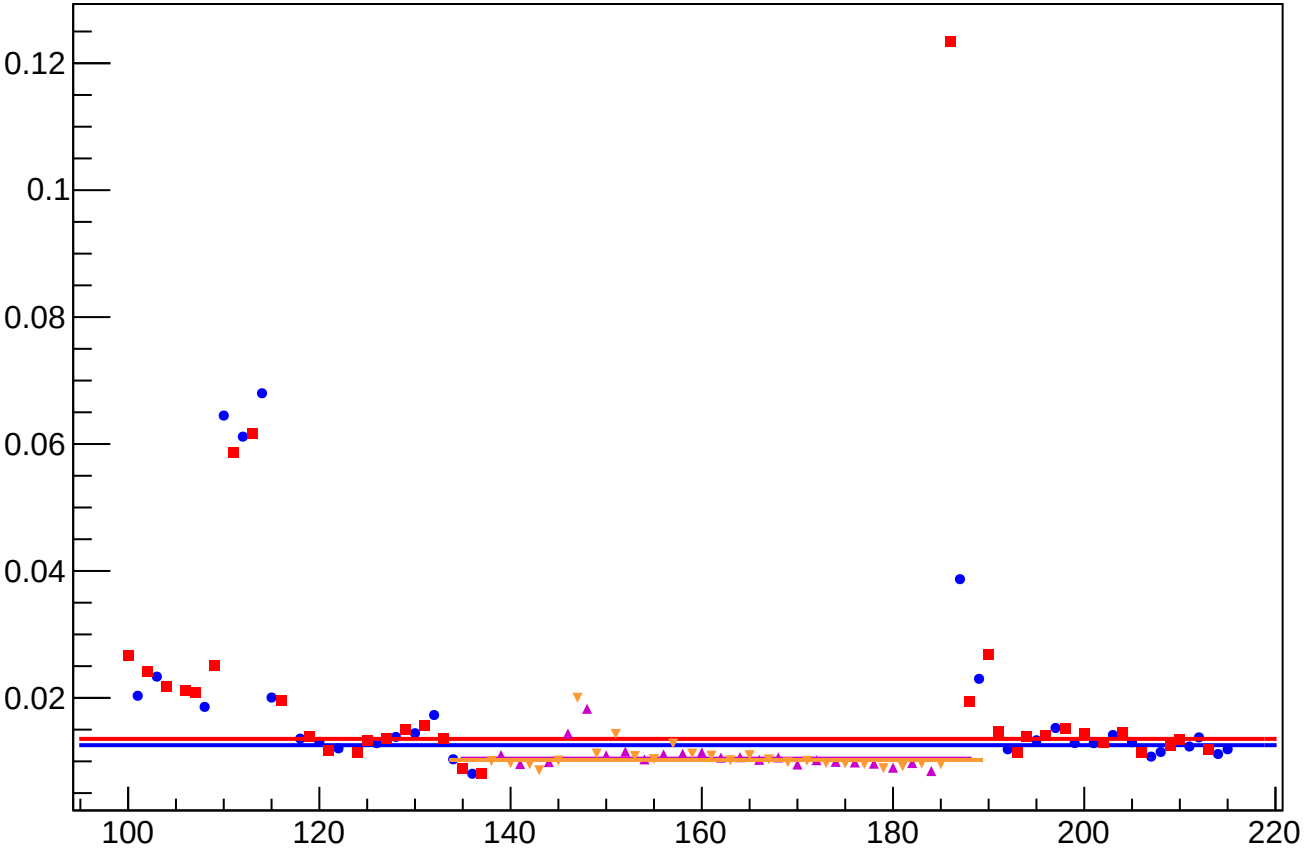
Right: 15.399+/-0.000 χ^2/NDF: 52296430783.5/64

In: 15.204+/-0.000 χ^2/NDF:73793448703.9/53

Out: 15.189+/-0.000 χ^2/NDF:74383170705.0/58

All: 15.197+/-0.000 χ^2/NDF: 148204869005.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2882081.1/30

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3393624.0/33

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

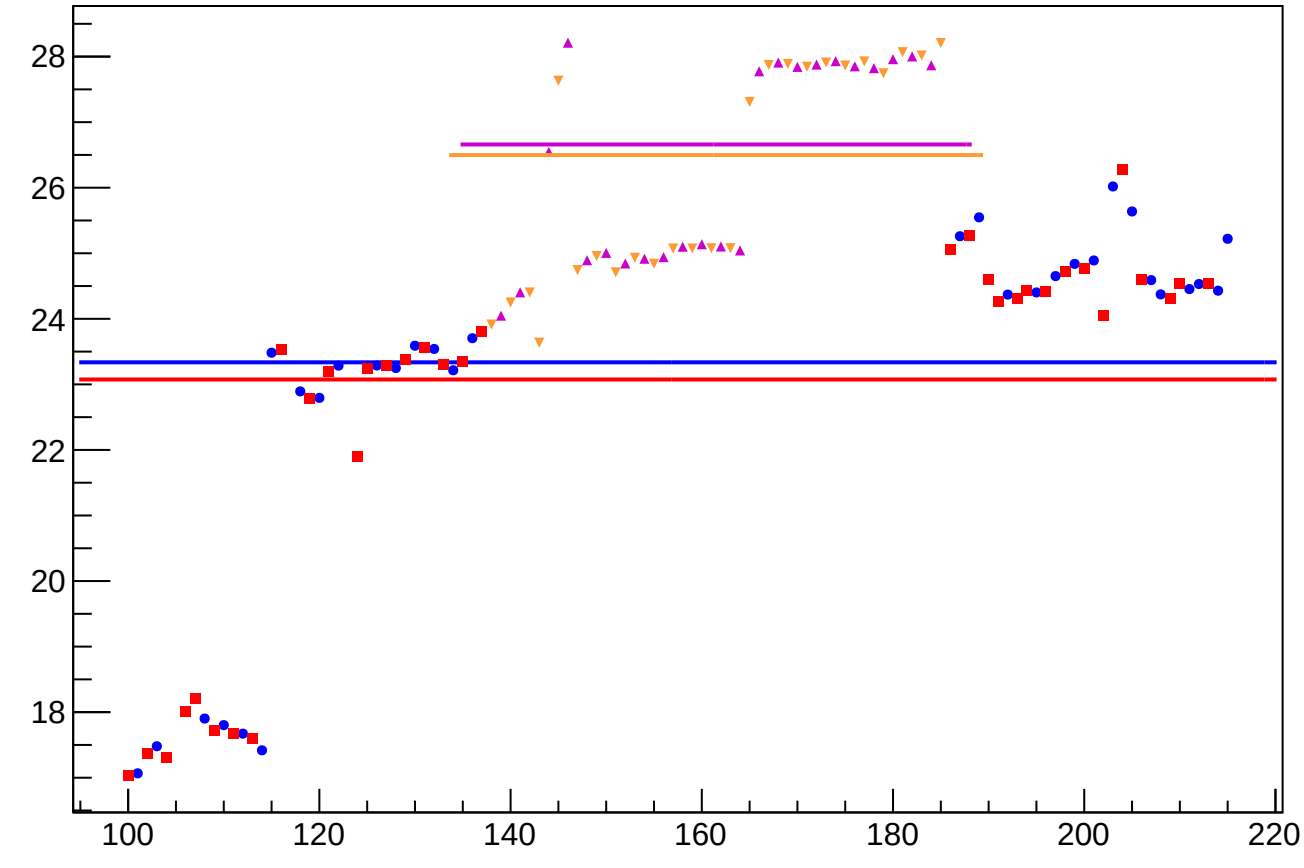
Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

Right: 0.013+/-0.000 χ^2/NDF: 6370899.0/64

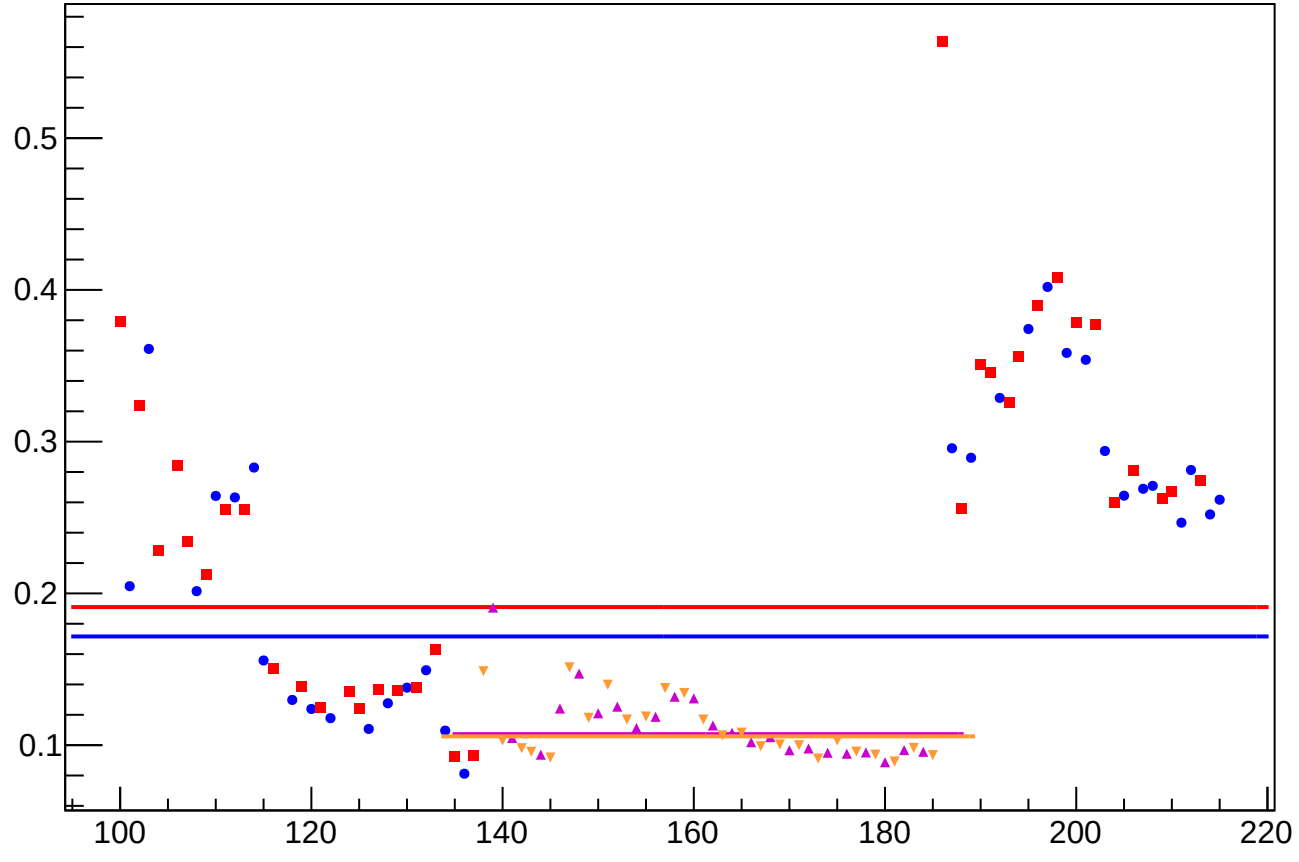
In: 0.011+/-0.000 χ^2/NDF:4053747.0/53

Out: 0.011+/-0.000 χ^2/NDF:5453947.5/58

All: 0.011+/-0.000 χ^2/NDF: 9508578.0/112


yield_sam2_mean vs Slug, Sign Corrected
28
26
24
22
20
18
100
120
140
160
180
200
220
Right In: 23.336+/-0.000 χ²/NDF: 1696395179.9/30
Left Out: 26.498+/-0.000 χ²/NDF:3909357236.5/24
Right Out: 23.075+/-0.000 χ²/NDF: 1725924187.0/33
Left In: 26.660+/-0.000 χ²/NDF:2886823196.4/22
Left: 26.575+/-0.000 χ²/NDF: 6814787304.8/47
Right: 23.218+/-0.000 χ²/NDF: 3437138726.7/64
In: 25.794+/-0.000 χ²/NDF:8496597070.6/53
Out: 25.777+/-0.000 χ²/NDF:9292597169.3/58
All: 25.785+/-0.000 χ²/NDF: 17789452540.9

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.172+/-0.000 χ^2/NDF: 7581773.8/30

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.191+/-0.000 χ^2/NDF: 6662763.2/33

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

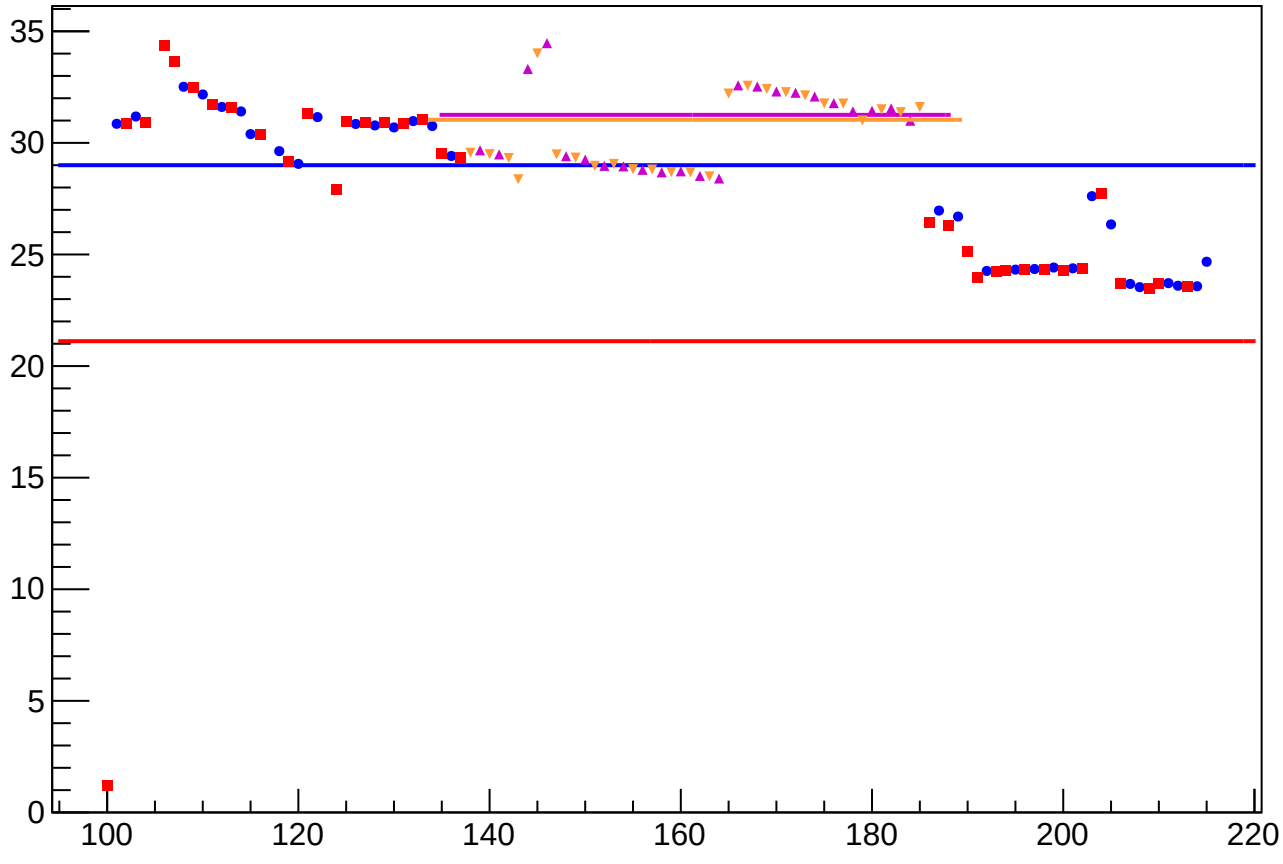
Right: 0.180+/-0.000 χ^2/NDF: 14407018.3/64

In: 0.124+/-0.000 χ^2/NDF:11377644.7/53

Out: 0.124+/-0.000 χ^2/NDF:11952206.0/58

All: 0.124+/-0.000 χ^2/NDF: 23330028.7/112

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.000+/-0.000 χ^2/NDF: 8362494468.7/30

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.115+/-0.000 χ^2/NDF: 226287297000.4/33

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

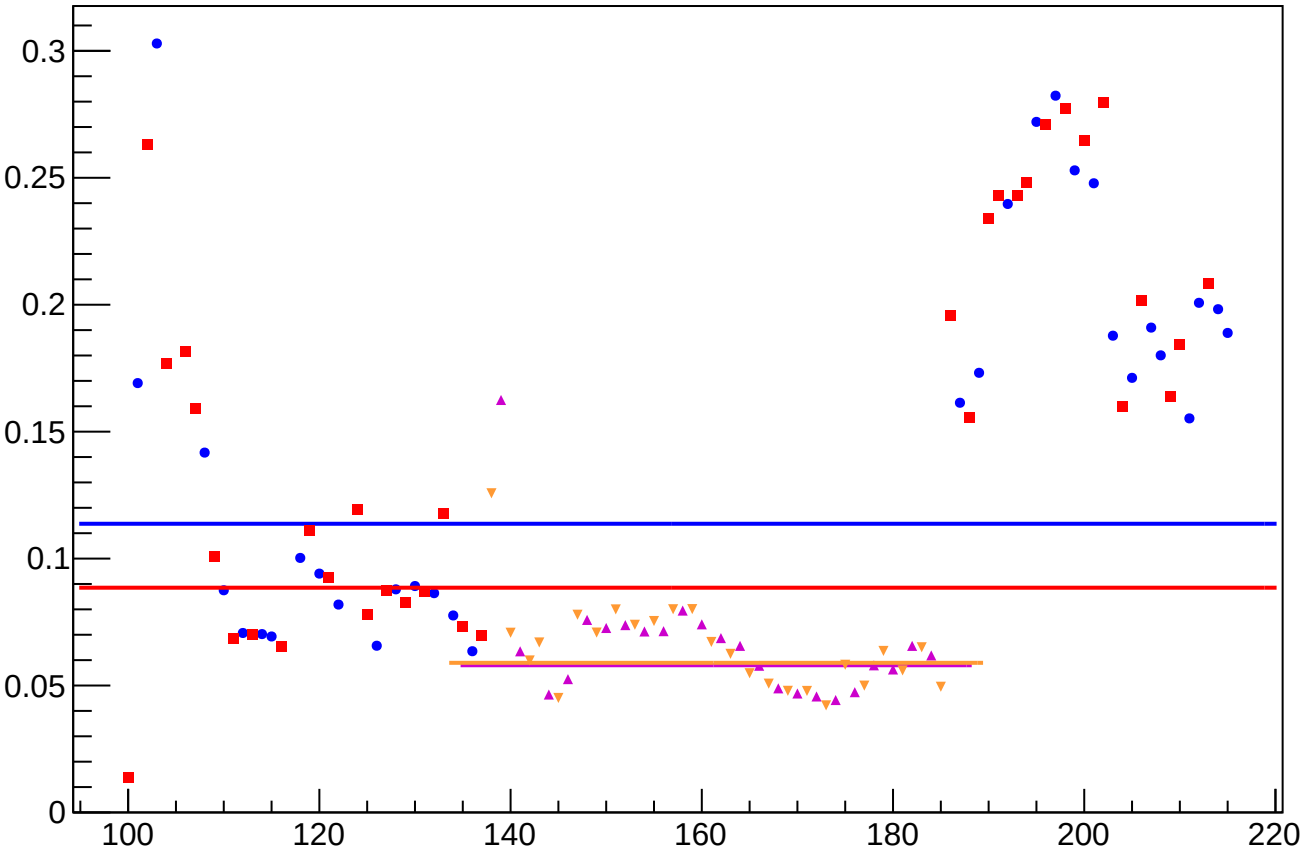
Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

Right: 24.587+/-0.000 χ^2/NDF: 271555185997.4/64

In: 30.794+/-0.000 χ^2/NDF:25245942099.6/53

Out: 28.660+/-0.000 χ^2/NDF:339088801045.8/58

All: 29.683+/-0.000 χ^2/NDF: 376633865954.



Right In: 0.114+/-0.000 χ^2/NDF: 7540782.7/30

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.089+/-0.000 χ^2/NDF: 13373765.2/33

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

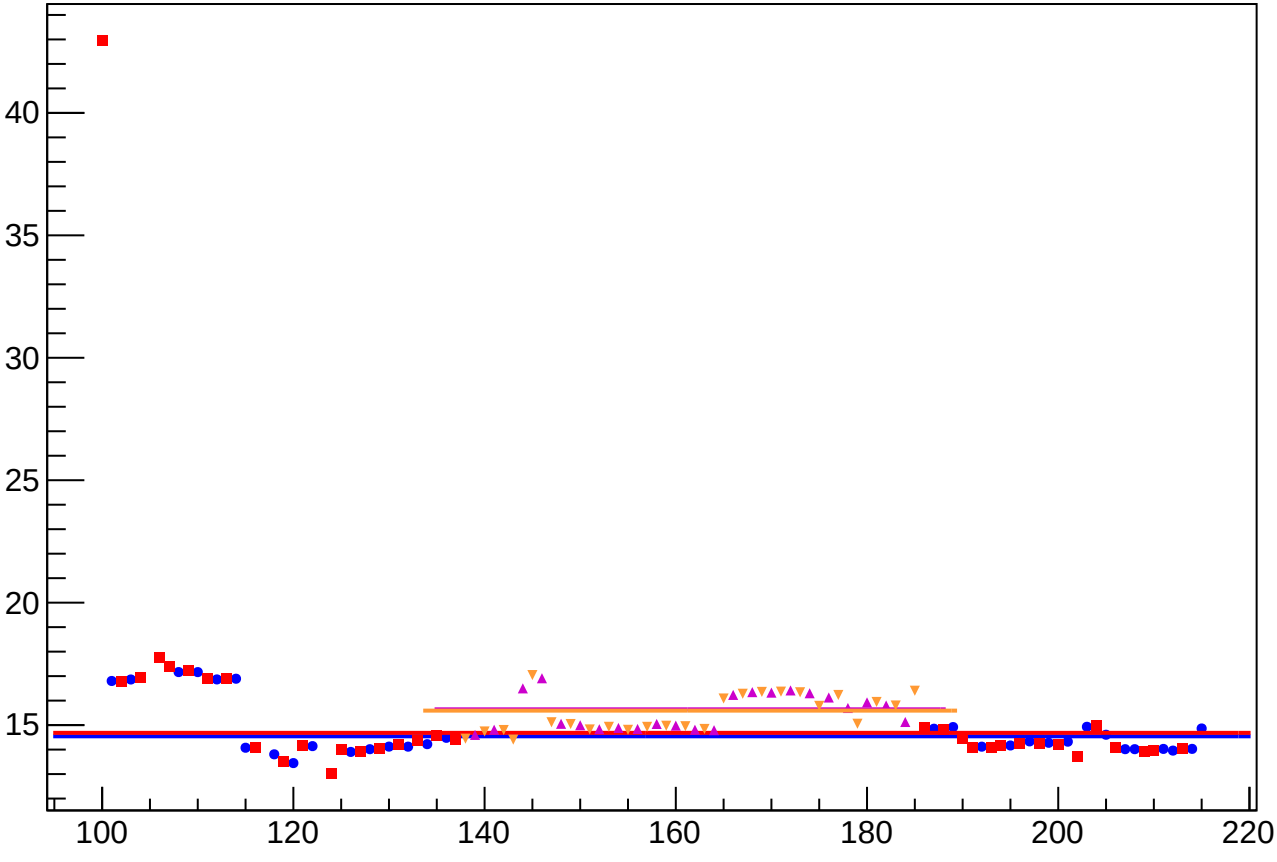
Right: 0.100+/-0.000 χ^2/NDF: 21667630.9/64

In: 0.069+/-0.000 χ^2/NDF:14499024.2/53

Out: 0.066+/-0.000 χ^2/NDF:16705753.8/58

All: 0.068+/-0.000 χ^2/NDF: 31265519.4/112

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.542+/-0.000 χ^2/NDF: 1273601274.1/30

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.683+/-0.000 χ^2/NDF: 1874101343.1/33

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

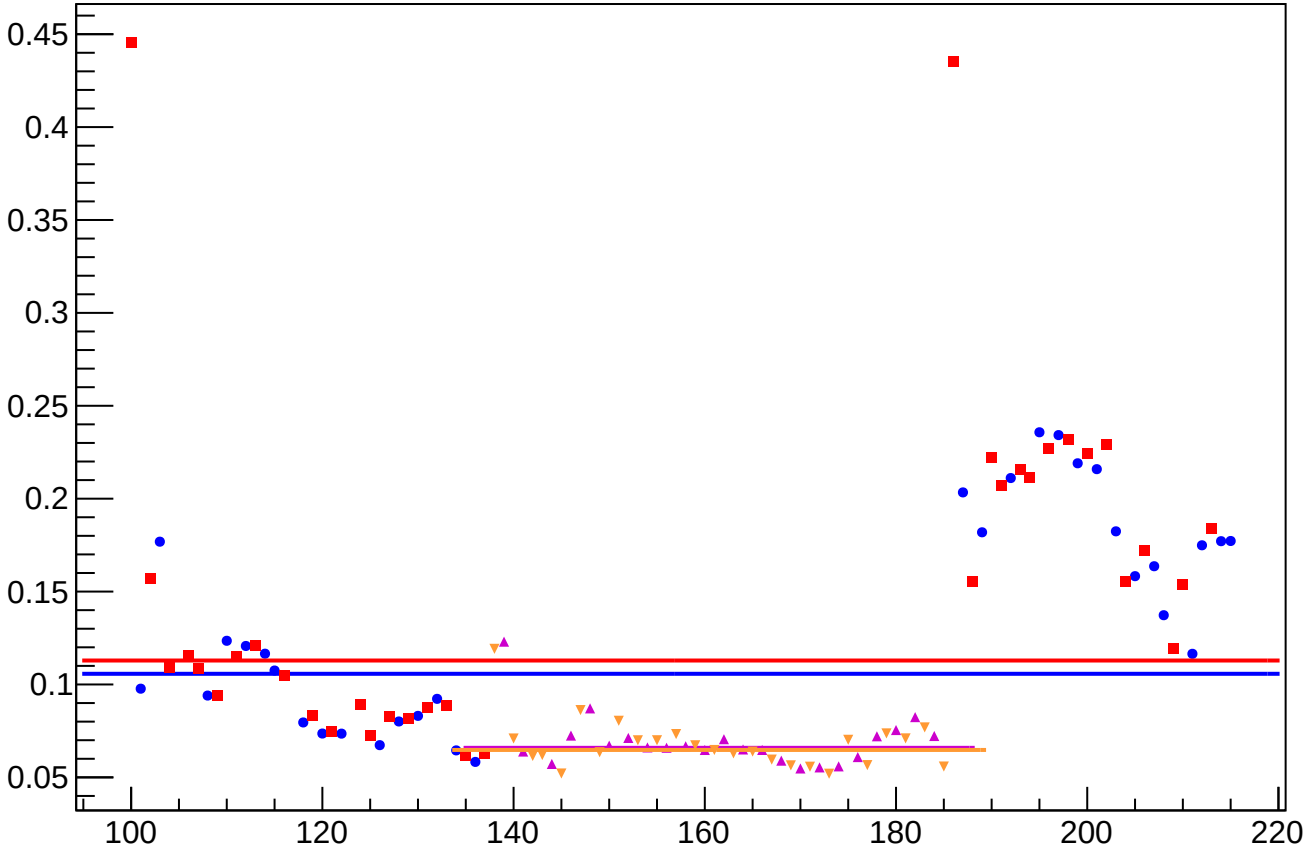
Right: 14.608+/-0.000 χ^2/NDF: 3159942116.9/64

In: 15.348+/-0.000 χ^2/NDF:4302181160.0/53

Out: 15.384+/-0.000 χ^2/NDF:4867985321.1/58

All: 15.366+/-0.000 χ^2/NDF: 9173301001.0/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.106+/-0.000 χ^2/NDF: 6481246.1/30

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.113+/-0.000 χ^2/NDF: 5938528.0/33

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

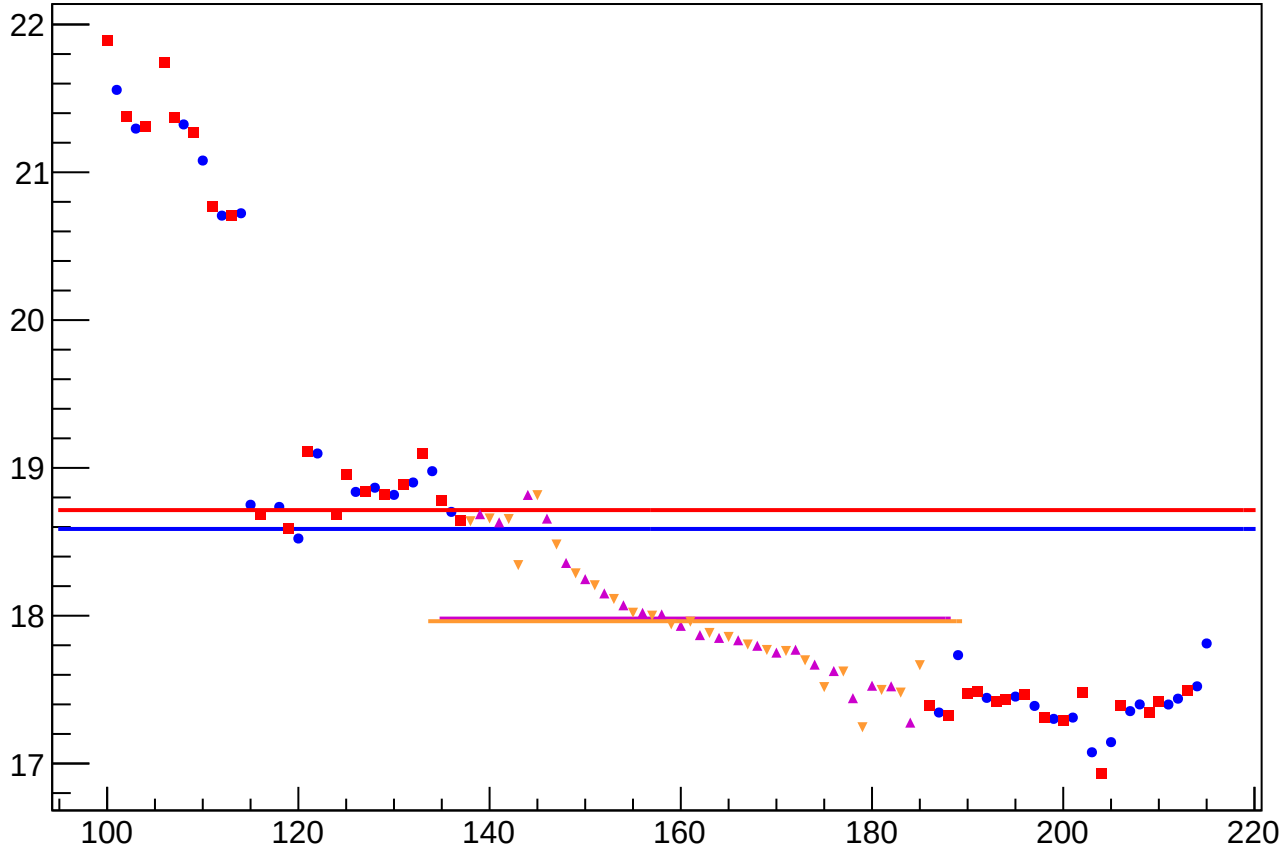
Right: 0.109+/-0.000 χ^2/NDF: 12482804.6/64

In: 0.077+/-0.000 χ^2/NDF:10328065.0/53

Out: 0.076+/-0.000 χ^2/NDF:10935682.0/58

All: 0.076+/-0.000 χ^2/NDF: 21267387.4/112

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.587+/-0.000 χ^2/NDF: 35217732003.0/30

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.715+/-0.000 χ^2/NDF: 37430833187.4/33

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

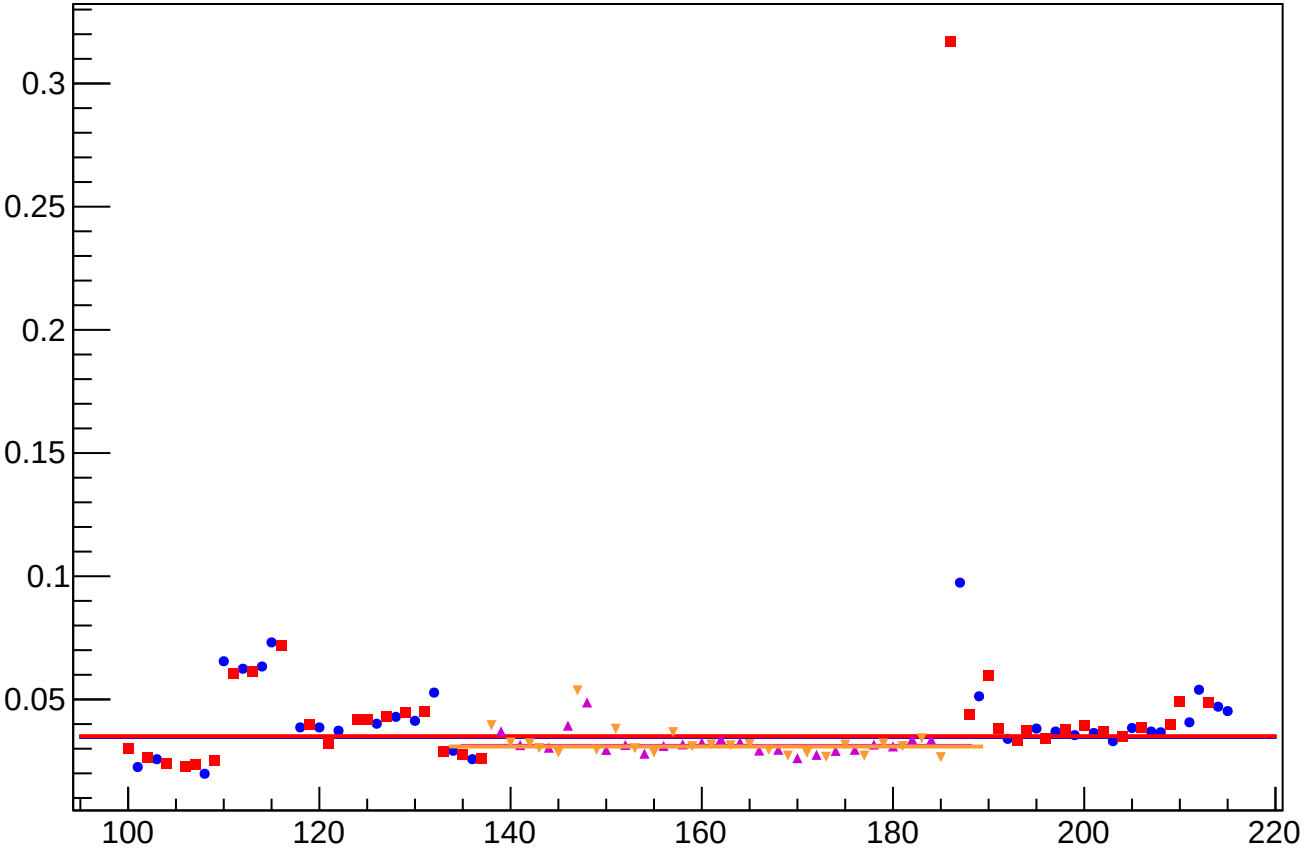
Right: 18.649+/-0.000 χ^2/NDF: 72760835277.9/64

In: 18.248+/-0.000 χ^2/NDF:40836018788.3/53

Out: 18.273+/-0.000 χ^2/NDF:44953580146.4/58

All: 18.261+/-0.000 χ^2/NDF: 85800190186.9

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.035+/-0.000 χ^2/NDF: 2459792.4/30

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.035+/-0.000 χ^2/NDF: 2577576.9/33

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

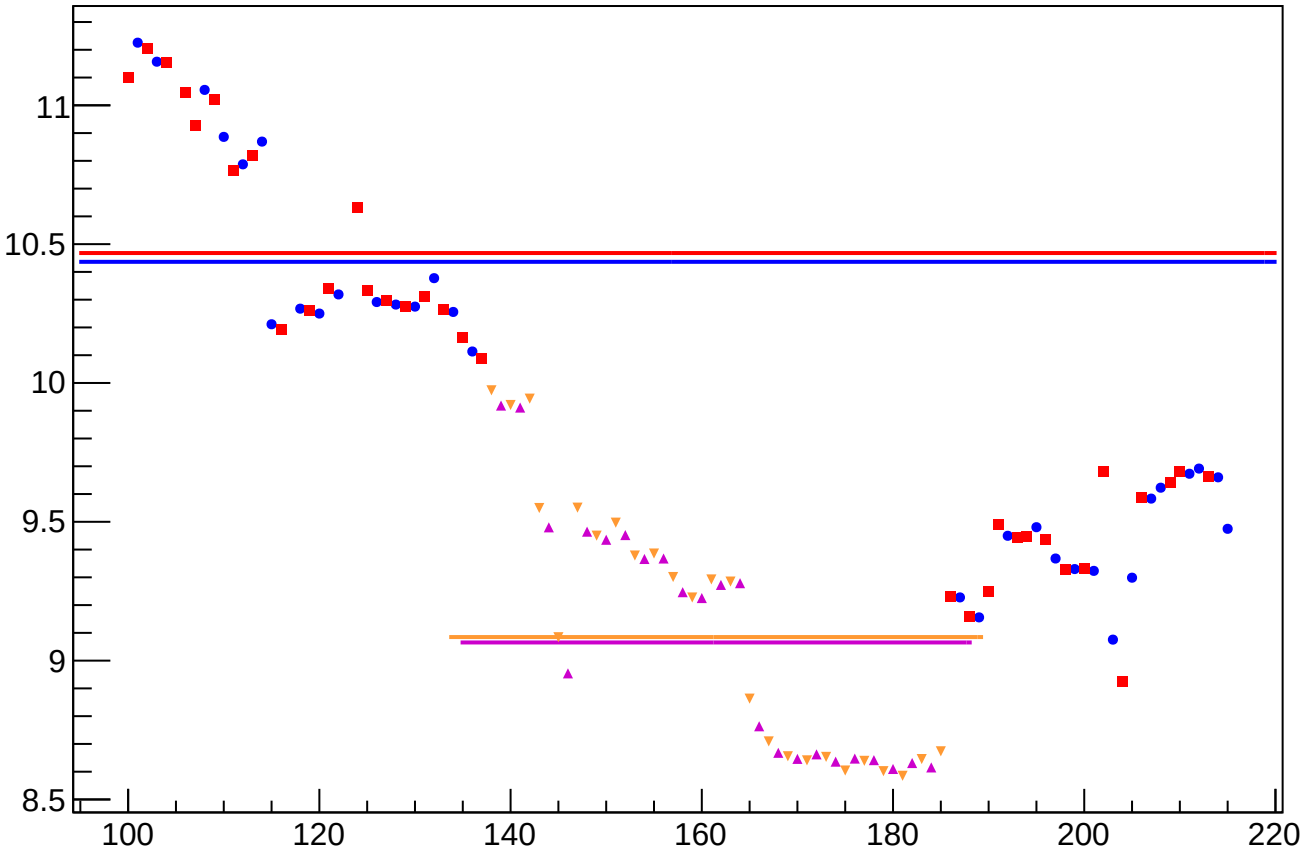
Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

Right: 0.035+/-0.000 χ^2/NDF: 5038712.2/64

In: 0.033+/-0.000 χ^2/NDF:3150275.4/53

Out: 0.033+/-0.000 χ^2/NDF:3489268.3/58

All: 0.033+/-0.000 χ^2/NDF: 6639978.6/112



Right In: 10.436+/-0.000 χ^2/NDF: 16476663151.2/30

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.468+/-0.000 χ^2/NDF: 14113491435.2/33

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

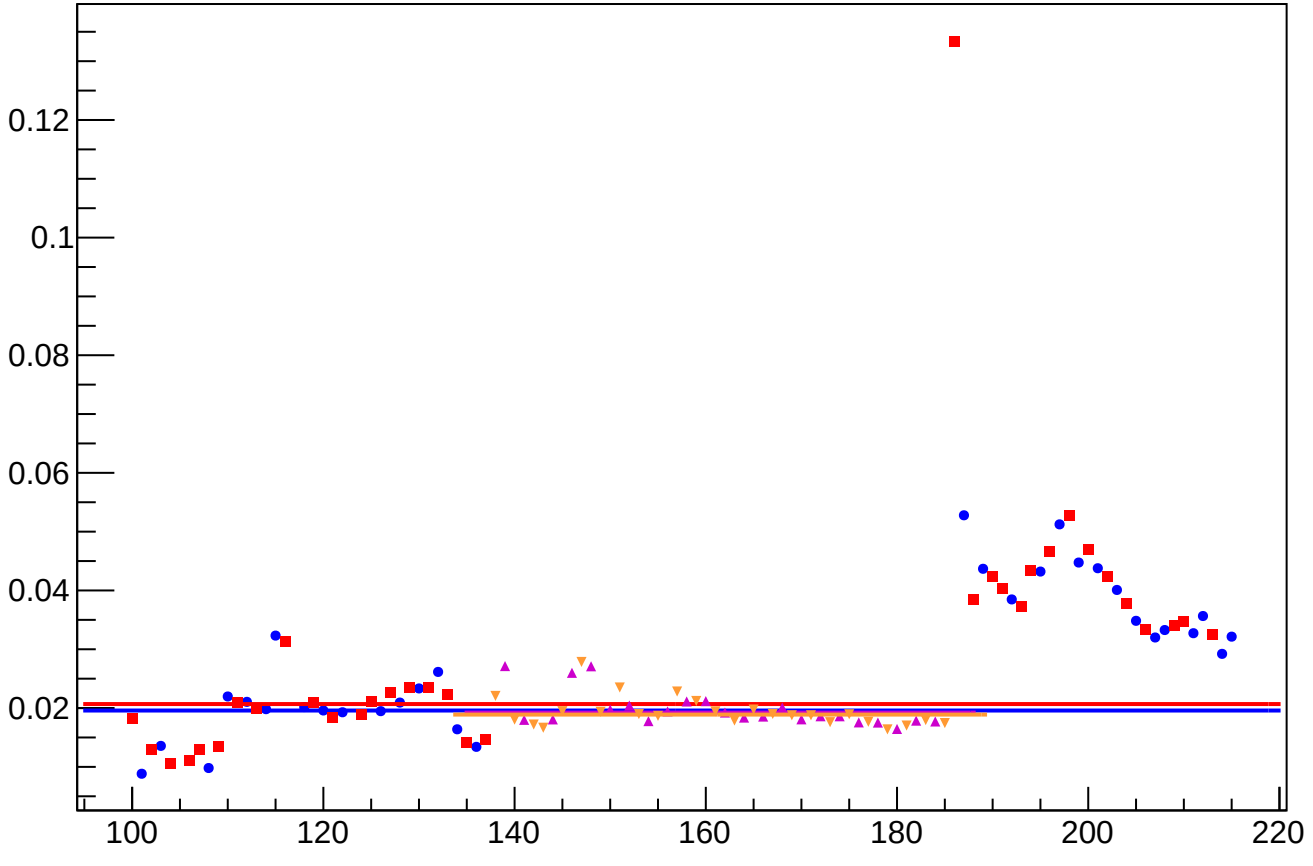
Right: 10.451+/-0.000 χ^2/NDF: 30607375010.9/64

In: 9.679+/-0.000 χ^2/NDF:62182308302.6/53

Out: 9.637+/-0.000 χ^2/NDF:61930385684.5/58

All: 9.657+/-0.000 χ^2/NDF: 124183830540.9

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 8417671.1/30

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.021+/-0.000 χ^2/NDF: 7929161.5/33

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

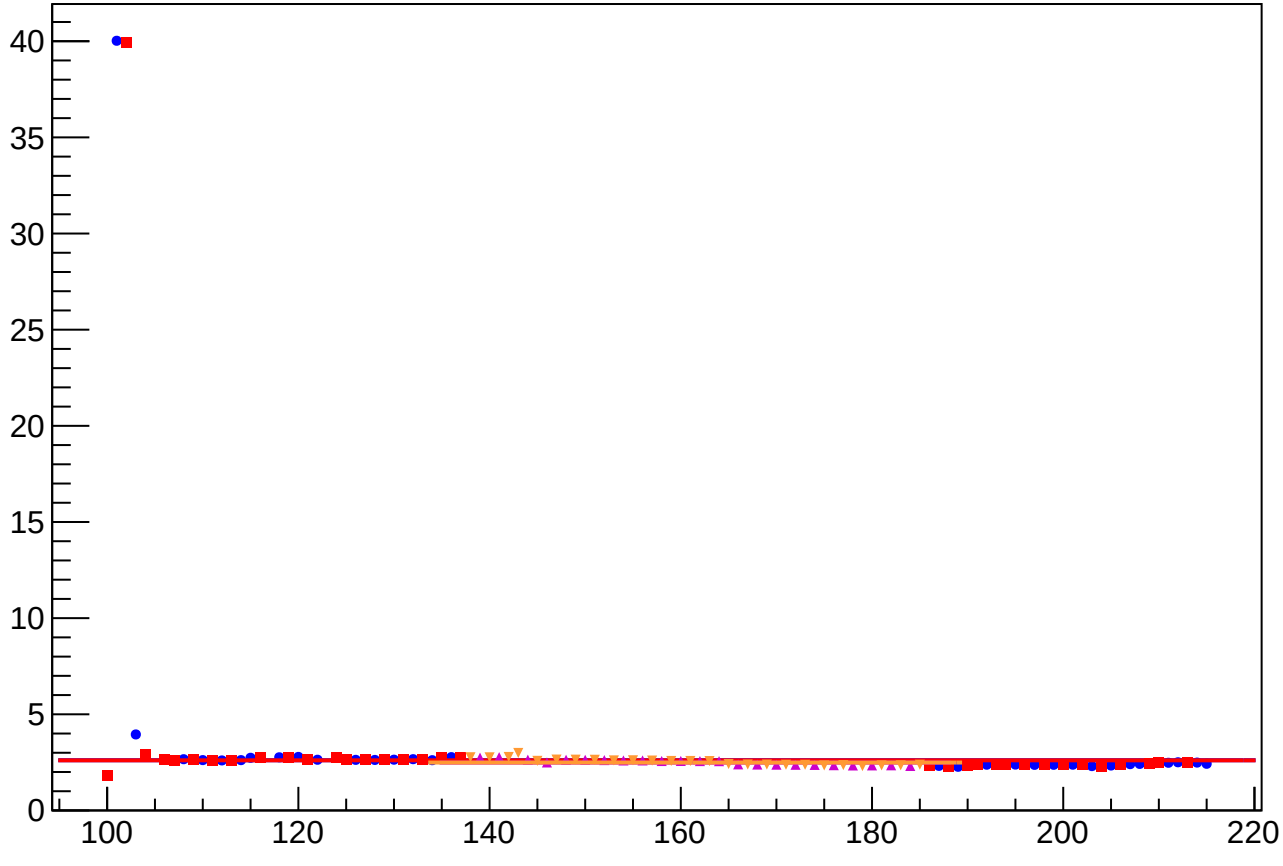
Right: 0.020+/-0.000 χ^2/NDF: 16388453.6/64

In: 0.019+/-0.000 χ^2/NDF:8963503.6/53

Out: 0.020+/-0.000 χ^2/NDF:8496337.6/58

All: 0.019+/-0.000 χ^2/NDF: 17463768.1/112

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.612+/-0.000 χ^2/NDF: 88641418732.8/30

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.607+/-0.000 χ^2/NDF: 85289885837.3/33

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

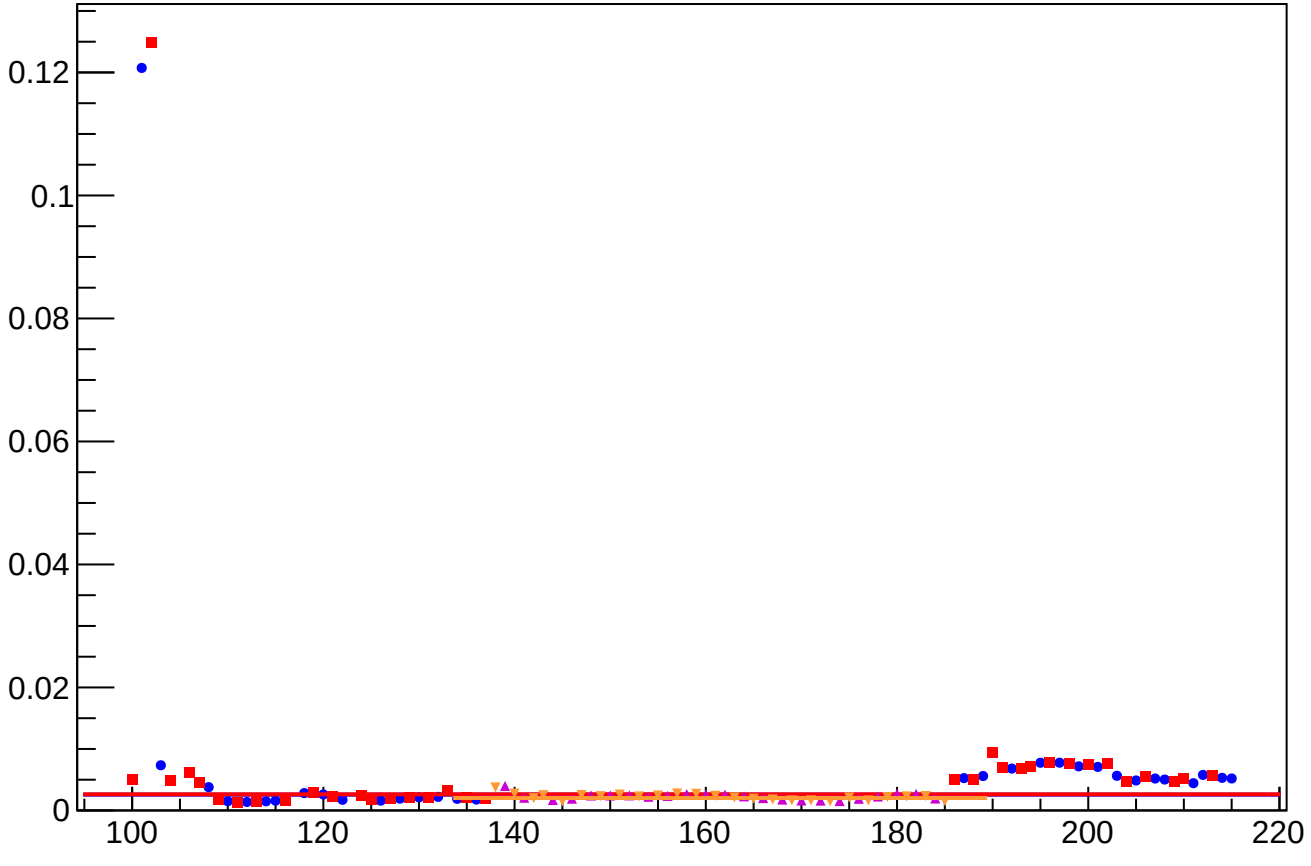
Right: 2.610+/-0.000 χ^2/NDF: 173958151725.6/64

In: 2.531+/-0.000 χ^2/NDF:167953213776.0/53

Out: 2.527+/-0.000 χ^2/NDF:193415196712.5/58

All: 2.529+/-0.000 χ^2/NDF: 361403811459.4

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10803281.0/30

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11360724.2/33

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

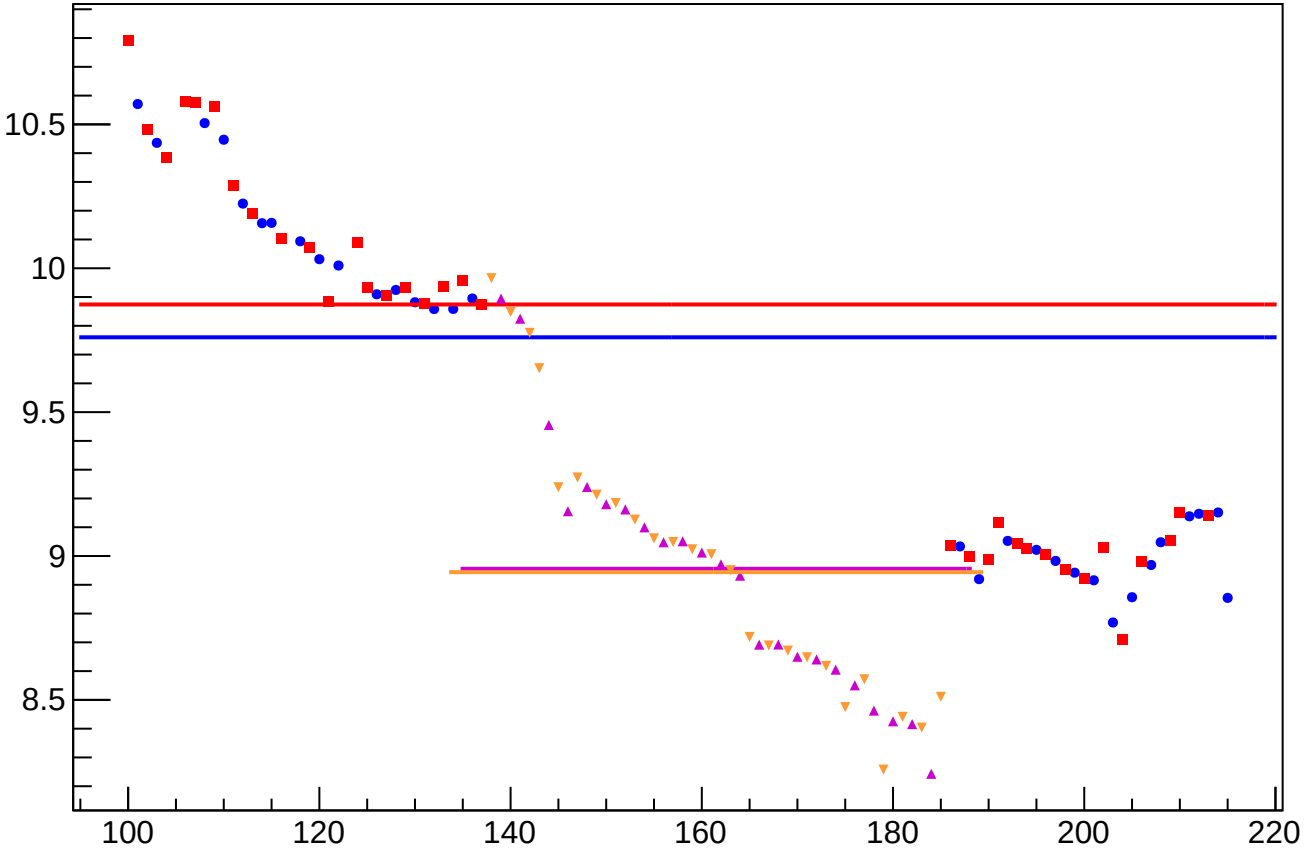
Right: 0.003+/-0.000 χ^2/NDF: 22168857.0/64

In: 0.002+/-0.000 χ^2/NDF:12800694.5/53

Out: 0.002+/-0.000 χ^2/NDF:13756901.4/58

All: 0.002+/-0.000 χ^2/NDF: 26561713.6/112

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.760+/-0.000 χ^2/NDF: 84118036077.8/30

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.874+/-0.000 χ^2/NDF: 76909697845.2/33

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

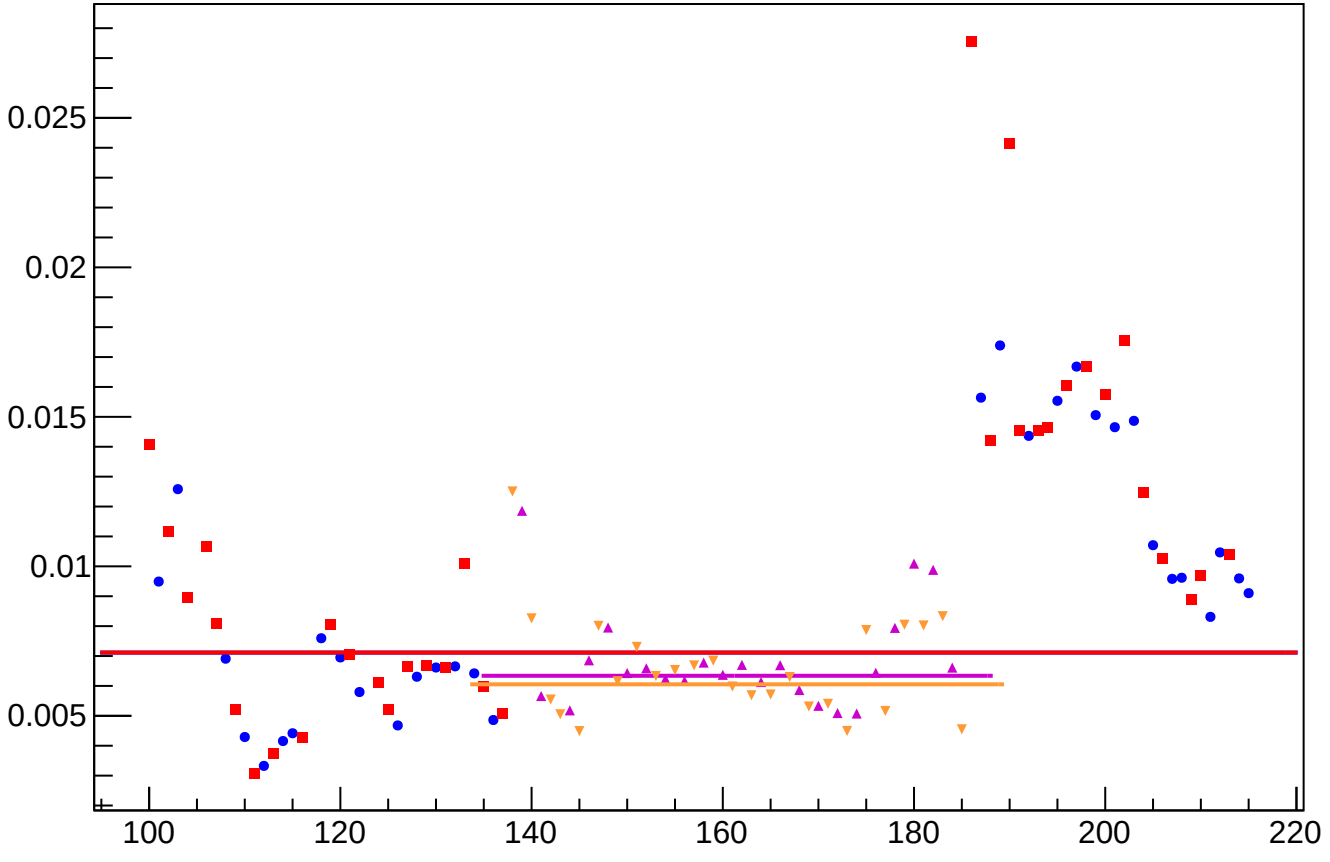
Right: 9.815+/-0.000 χ^2/NDF: 162805330963.3/64

In: 9.308+/-0.000 χ^2/NDF:238238865431.6/53

Out: 9.306+/-0.000 χ^2/NDF:282935343049.6/58

All: 9.307+/-0.000 χ^2/NDF: 521175450028.0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6698890.8/30

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8341390.6/33

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

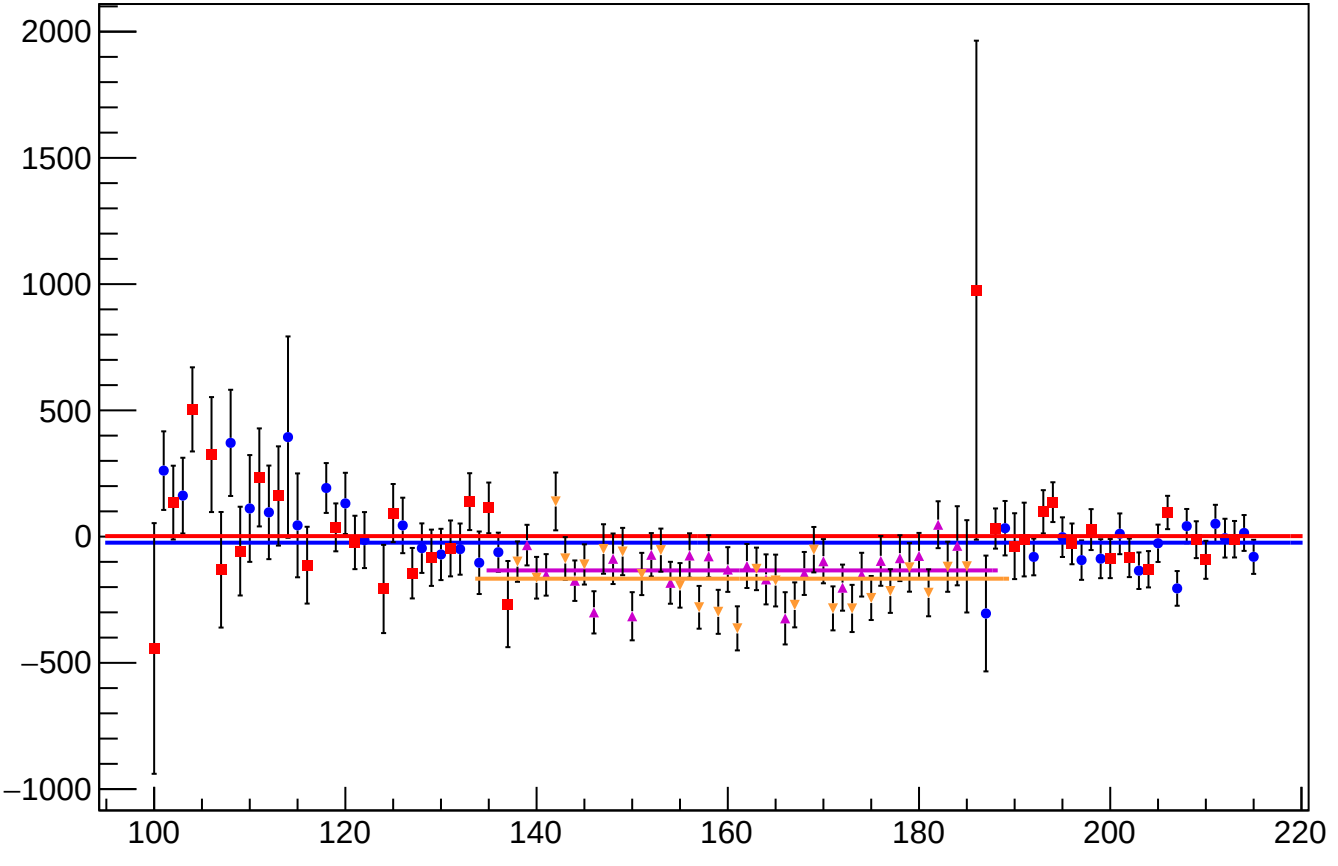
Right: 0.007+/-0.000 χ^2/NDF: 15040282.8/64

In: 0.007+/-0.000 χ^2/NDF:8064568.1/53

Out: 0.006+/-0.000 χ^2/NDF:10168577.4/58

All: 0.007+/-0.000 χ^2/NDF: 18262785.8/112

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -24.033+/-16.757 χ^2/NDF: 34.7/30

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.969+/-17.619 χ^2/NDF: 41.4/33

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

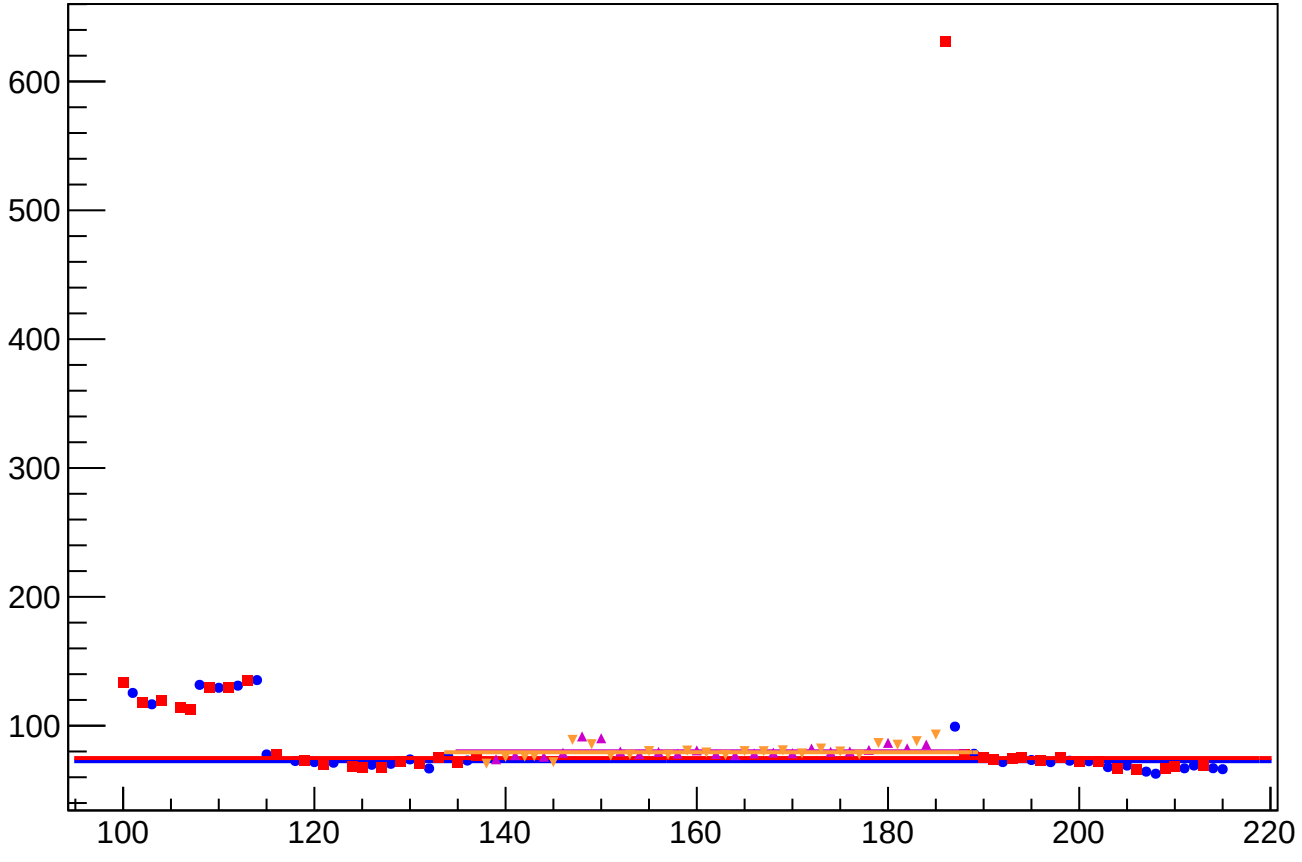
Right: -11.683+/-12.143 χ^2/NDF: 77.2/64

In: -72.779+/-12.496 χ^2/NDF:74.5/53

Out: -80.182+/-12.618 χ^2/NDF:117.7/58

All: -76.445+/-8.879 χ^2/NDF: 192.3/112

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 72.460+/-0.012 χ^2/NDF: 1129307.1/30

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 74.892+/-0.012 χ^2/NDF: 1790046.3/33

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

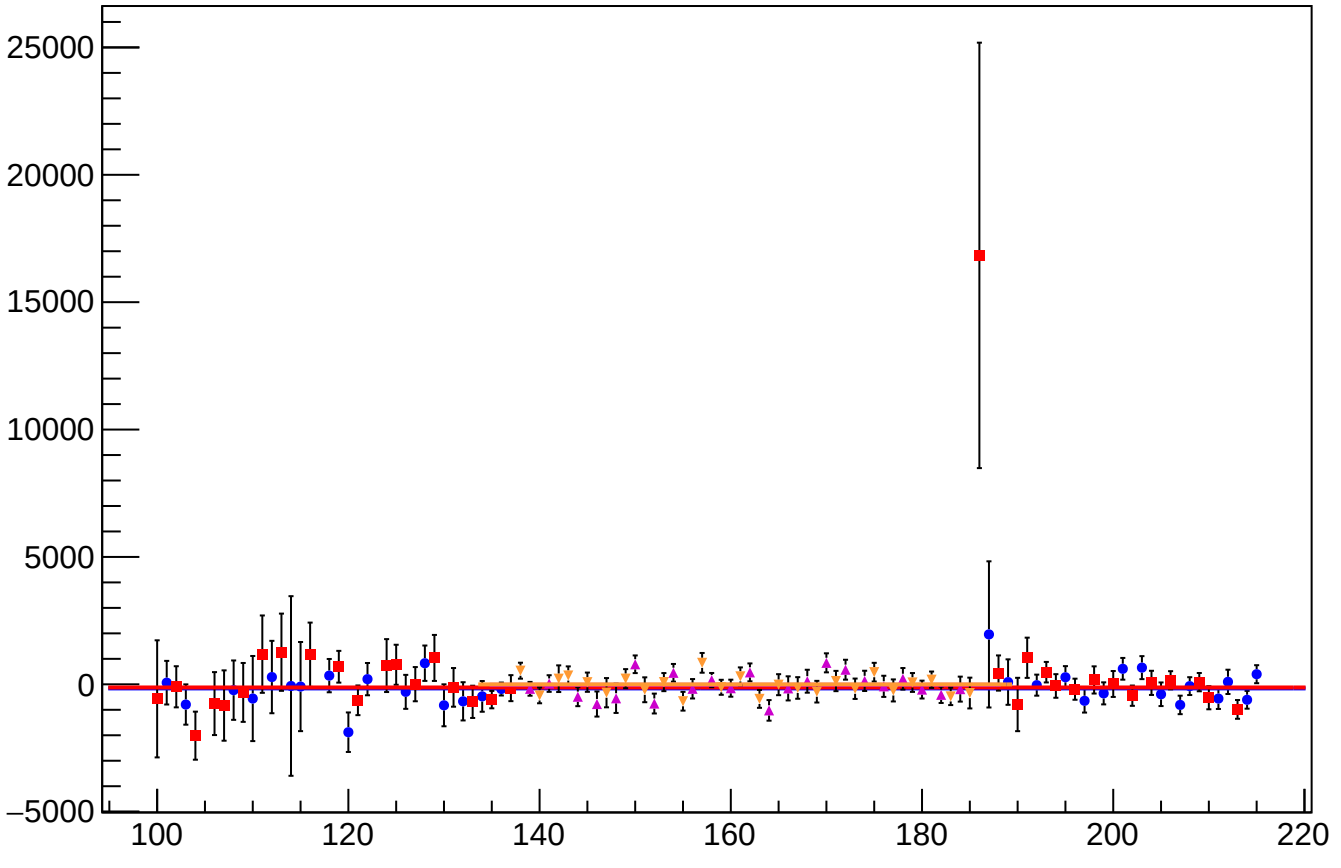
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 73.615+/-0.009 χ^2/NDF: 2939360.3/64

In: 75.878+/-0.009 χ^2/NDF:1408232.3/53

Out: 77.093+/-0.009 χ^2/NDF:1988912.9/58

All: 76.480+/-0.006 χ^2/NDF: 3406504.7/112



Right In: -160.575+/-92.347 χ^2/NDF: 28.6/30

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -124.079+/-99.134 χ^2/NDF: 34.2/33

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

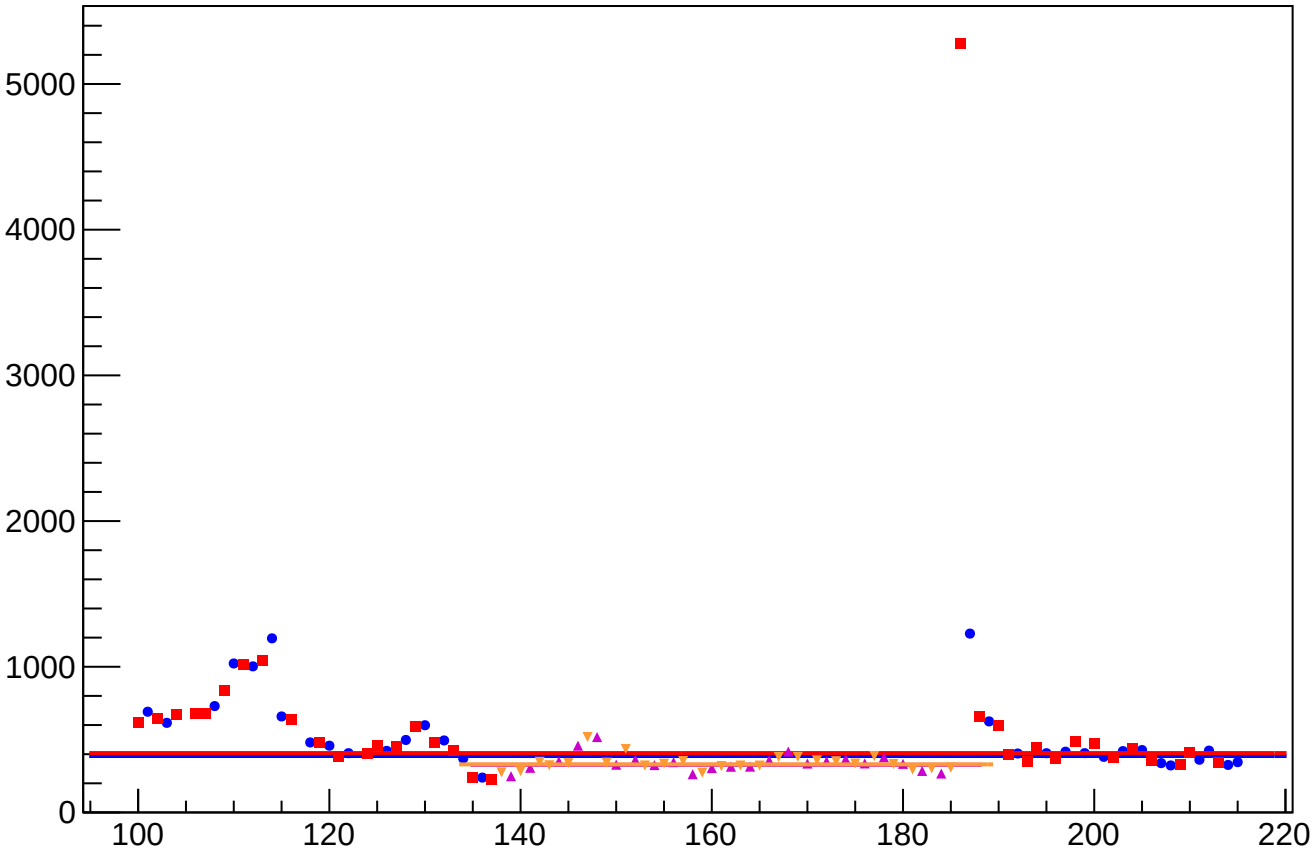
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -143.619+/-67.571 χ^2/NDF: 62.8/64

In: -77.716+/-59.383 χ^2/NDF:65.0/53

Out: -48.017+/-60.246 χ^2/NDF:59.1/58

All: -63.081+/-42.292 χ^2/NDF: 124.3/112



Right In: 387.505+/-0.065 χ^2/NDF: 2951563.9/30

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 407.590+/-0.070 χ^2/NDF: 3777434.9/33

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

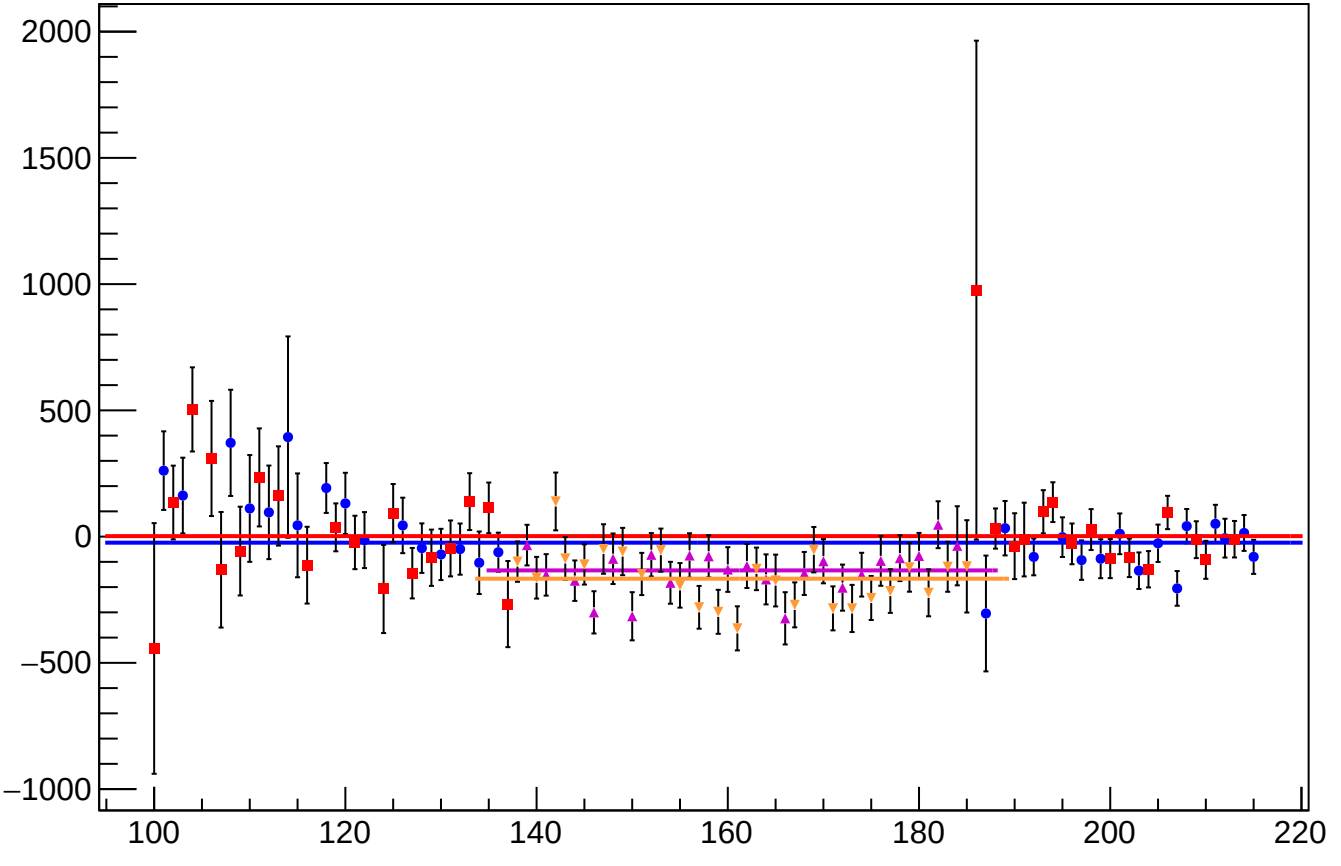
Right: 396.837+/-0.048 χ^2/NDF: 6772951.6/64

In: 351.997+/-0.042 χ^2/NDF:4355042.2/53

Out: 358.636+/-0.043 χ^2/NDF:5209995.5/58

All: 355.269+/-0.030 χ^2/NDF: 9577355.0/112

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -24.034+/-16.757 χ^2/NDF: 34.7/30

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.872+/-17.619 χ^2/NDF: 41.2/33

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

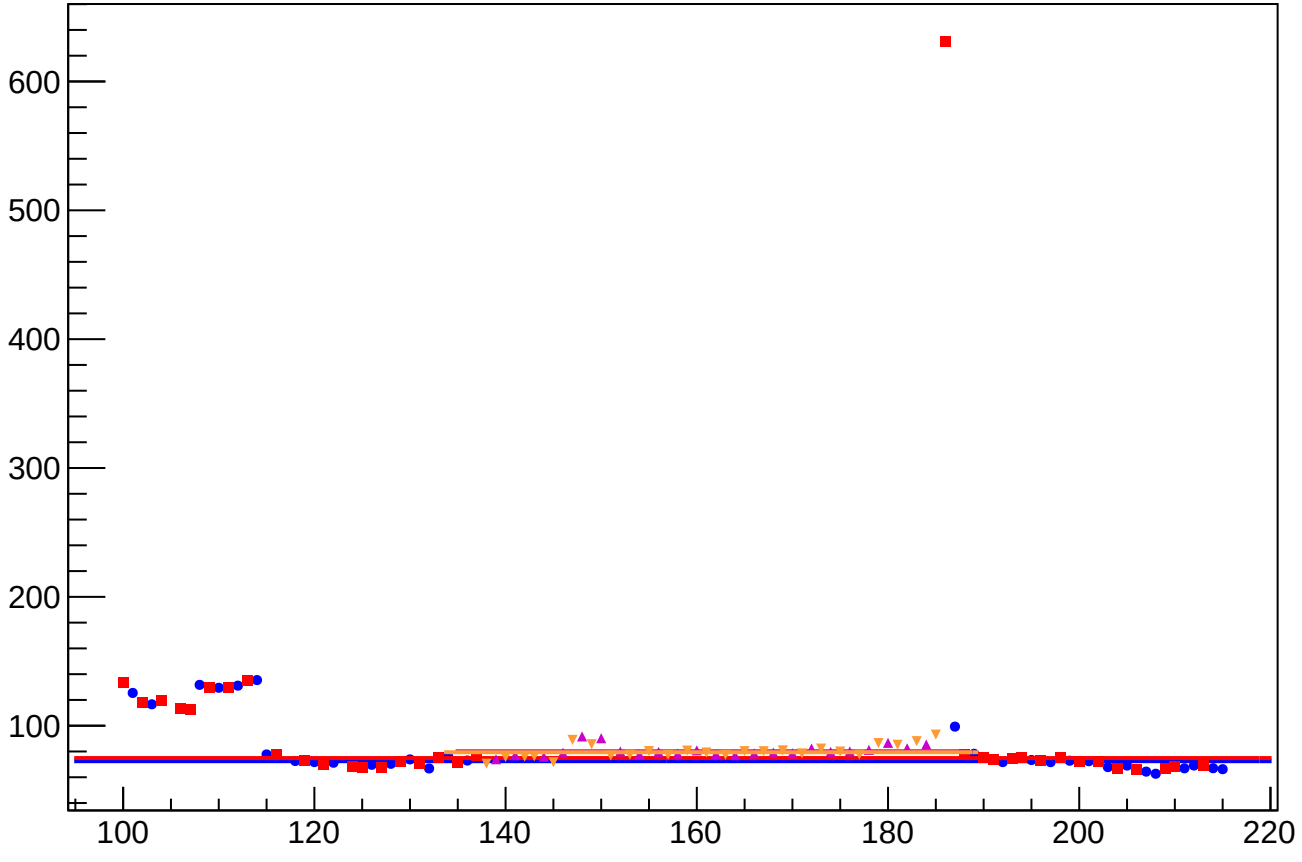
Right: -11.730+/-12.143 χ^2/NDF: 77.0/64

In: -72.782+/-12.496 χ^2/NDF:74.5/53

Out: -80.232+/-12.618 χ^2/NDF:117.4/58

All: -76.471+/-8.879 χ^2/NDF: 192.1/112

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 72.460+/-0.012 χ^2/NDF: 1129307.3/30

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 74.887+/-0.012 χ^2/NDF: 1787726.5/33

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

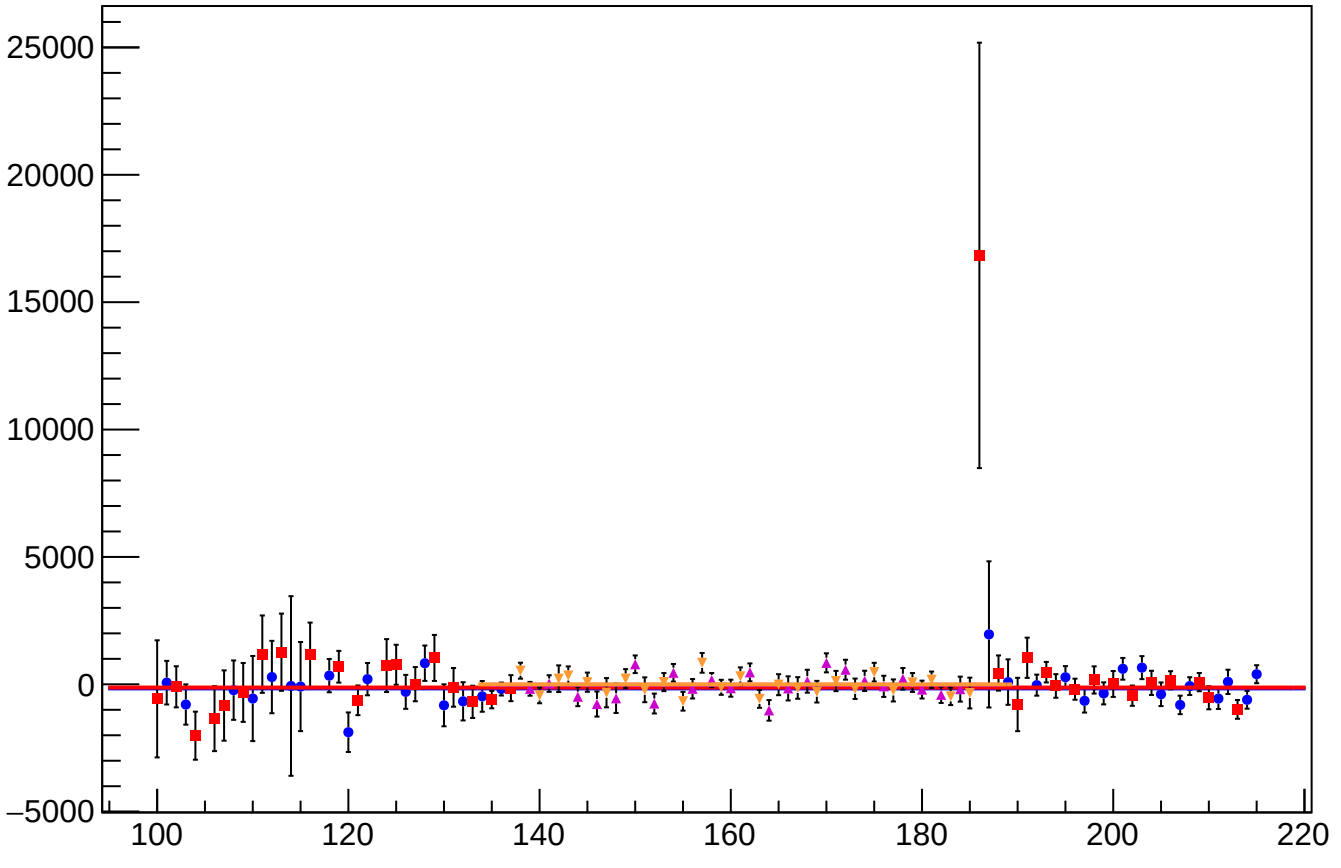
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 73.613+/-0.009 χ^2/NDF: 2936958.8/64

In: 75.878+/-0.009 χ^2/NDF:1408232.5/53

Out: 77.090+/-0.009 χ^2/NDF:1986733.6/58

All: 76.478+/-0.006 χ^2/NDF: 3404286.7/112



Right In: -160.579+/-92.347 χ^2/NDF: 28.6/30

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -127.421+/-99.153 χ^2/NDF: 34.8/33

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

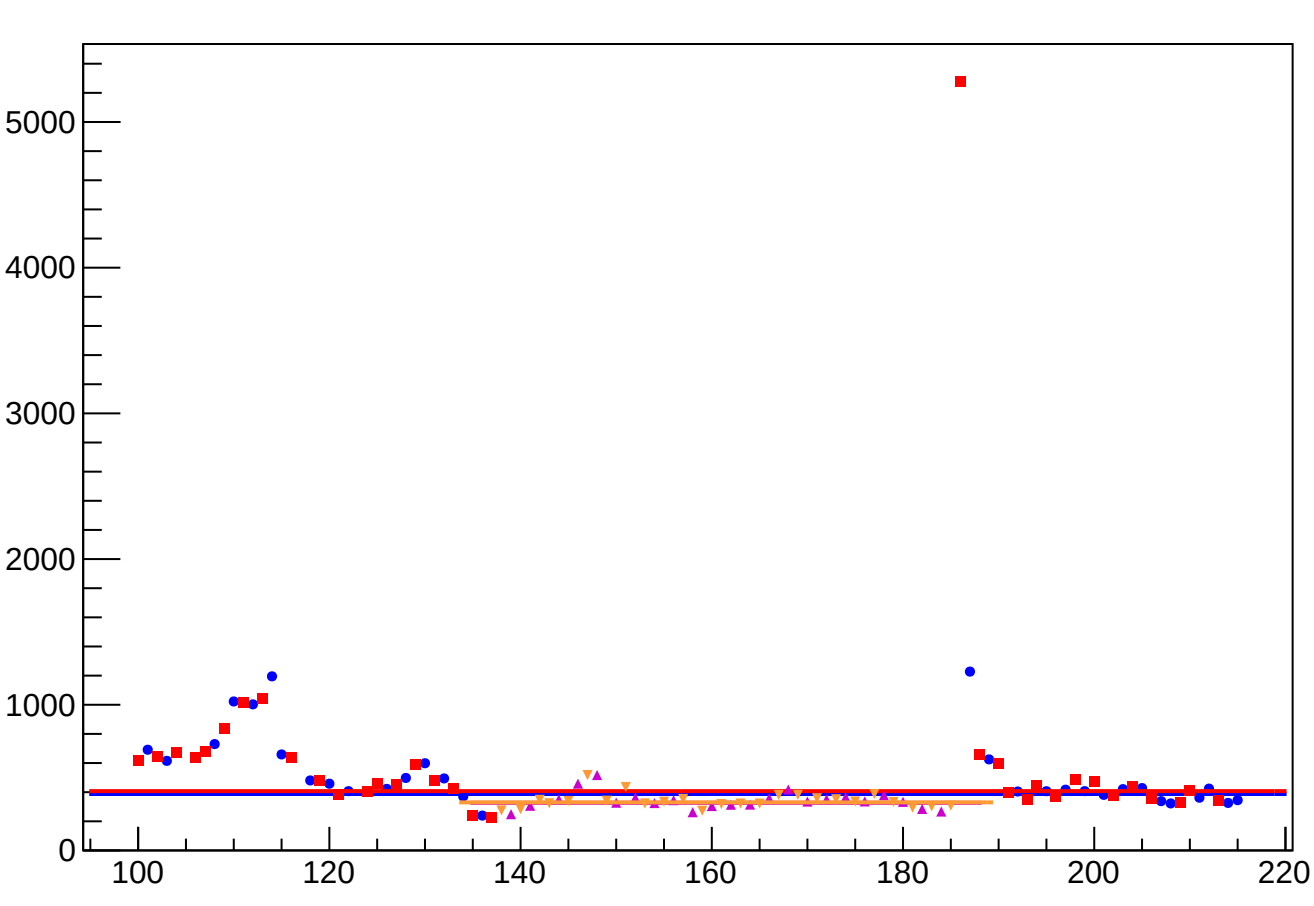
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -145.177+/-67.577 χ^2/NDF: 63.5/64

In: -77.722+/-59.383 χ^2/NDF:65.0/53

Out: -49.240+/-60.250 χ^2/NDF:59.9/58

All: -63.688+/-42.294 χ^2/NDF: 125.0/112



Right In: 387.505+/-0.065 χ^2/NDF: 2951560.5/30

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 407.247+/-0.070 χ^2/NDF: 3747180.0/33

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

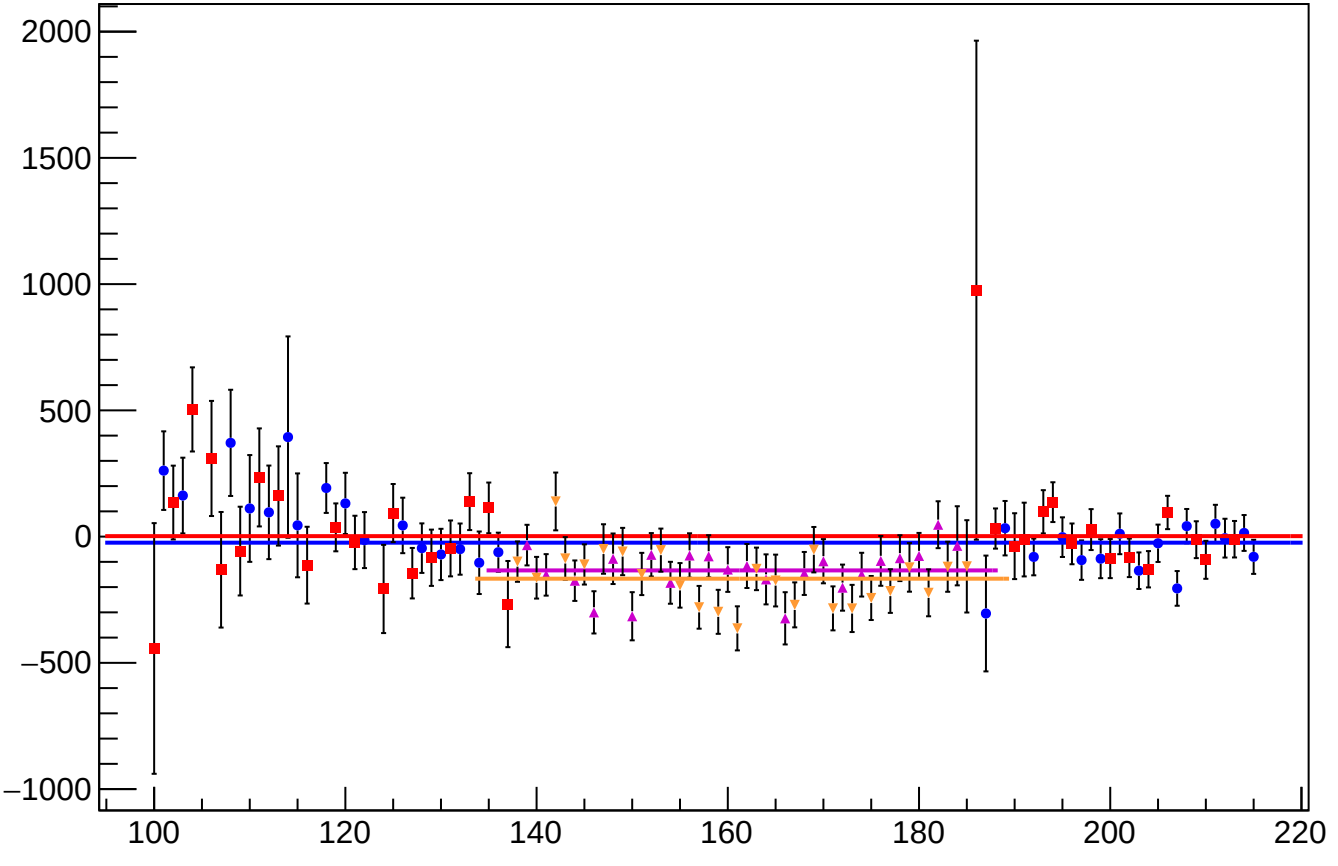
Right: 396.676+/-0.048 χ^2/NDF: 6741196.6/64

In: 351.997+/-0.042 χ^2/NDF:4355043.1/53

Out: 358.502+/-0.043 χ^2/NDF:5172748.2/58

All: 355.203+/-0.030 χ^2/NDF: 9539616.6/112

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -24.034+/-16.757 χ^2/NDF: 34.7/30

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.872+/-17.619 χ^2/NDF: 41.2/33

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

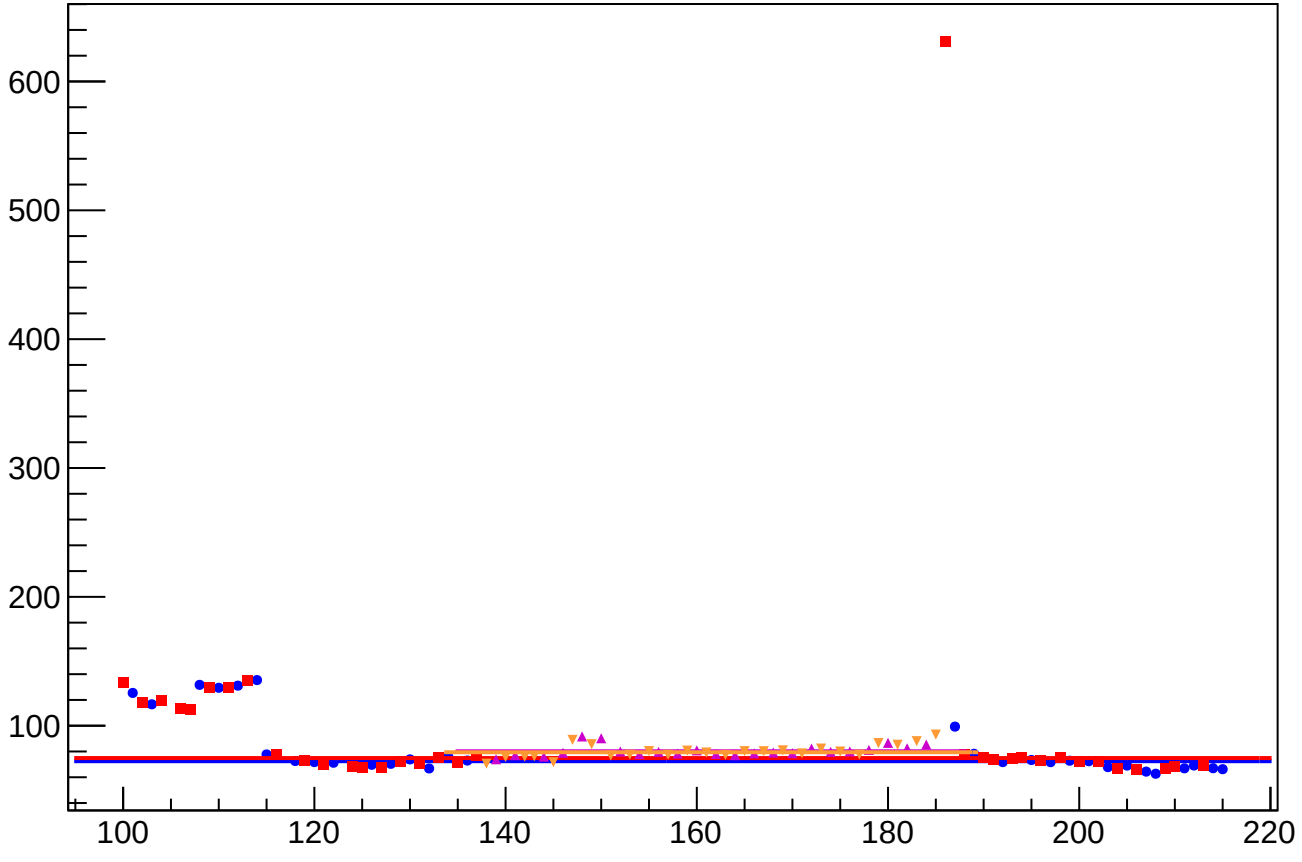
Right: -11.730+/-12.143 χ^2/NDF: 77.0/64

In: -72.782+/-12.496 χ^2/NDF:74.5/53

Out: -80.232+/-12.618 χ^2/NDF:117.4/58

All: -76.471+/-8.879 χ^2/NDF: 192.1/112

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 72.460+/-0.012 χ^2/NDF: 1129307.3/30

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 74.887+/-0.012 χ^2/NDF: 1787726.5/33

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

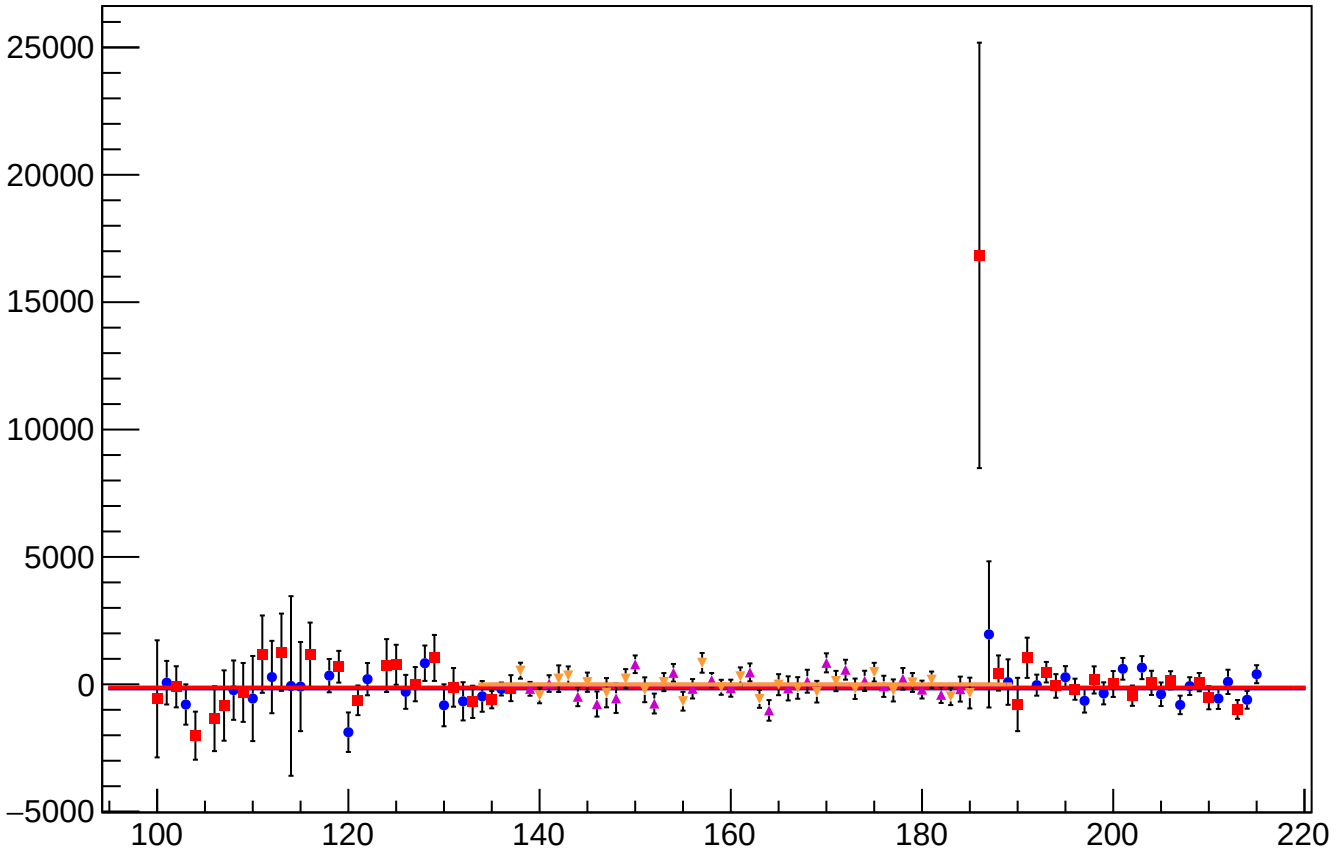
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 73.613+/-0.009 χ^2/NDF: 2936958.8/64

In: 75.878+/-0.009 χ^2/NDF:1408232.5/53

Out: 77.090+/-0.009 χ^2/NDF:1986733.6/58

All: 76.478+/-0.006 χ^2/NDF: 3404286.7/112



Right In: -160.579+/-92.347 χ^2/NDF: 28.6/30

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -127.421+/-99.153 χ^2/NDF: 34.8/33

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

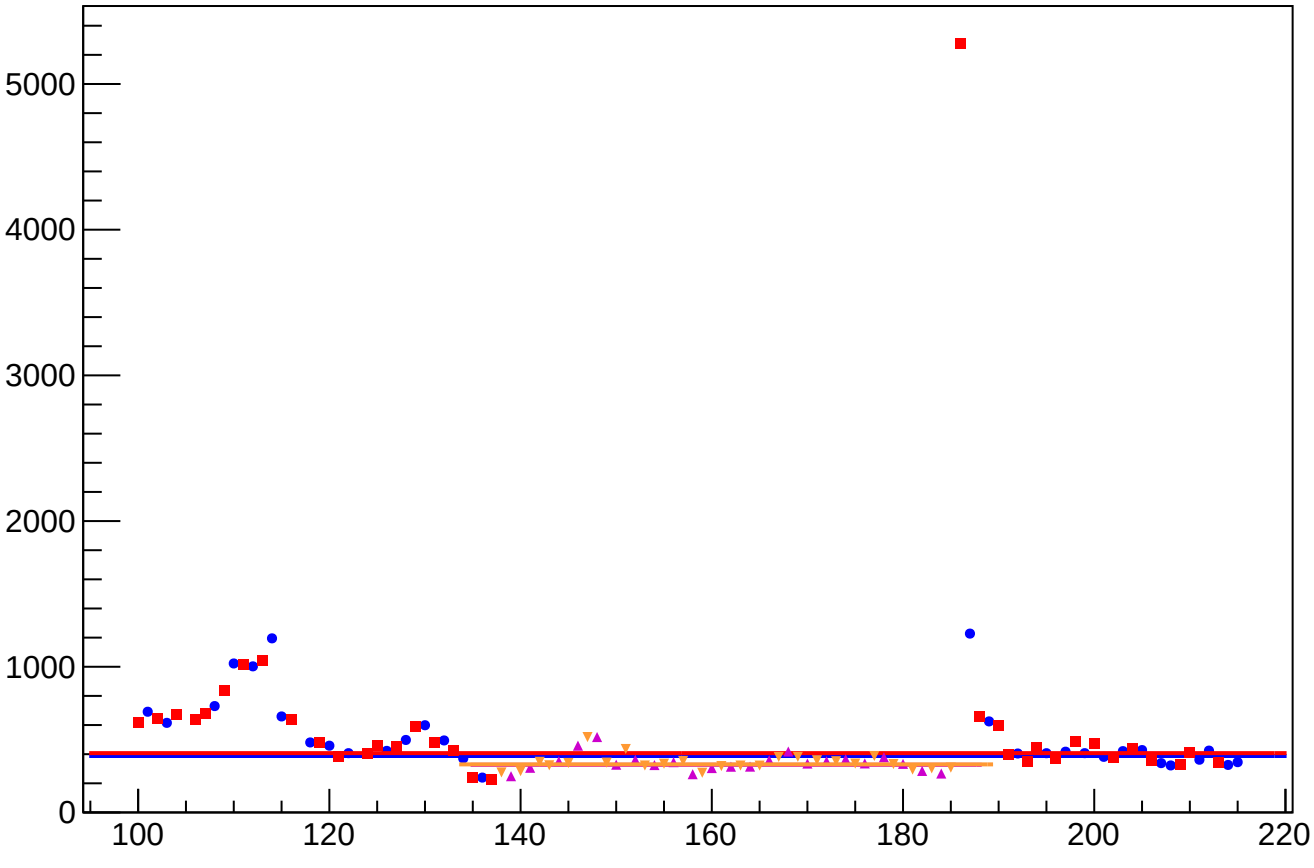
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -145.177+/-67.577 χ^2/NDF: 63.5/64

In: -77.722+/-59.383 χ^2/NDF:65.0/53

Out: -49.240+/-60.250 χ^2/NDF:59.9/58

All: -63.688+/-42.294 χ^2/NDF: 125.0/112



Right In: 387.505+/-0.065 χ^2/NDF: 2951560.5/30

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 407.247+/-0.070 χ^2/NDF: 3747180.0/33

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

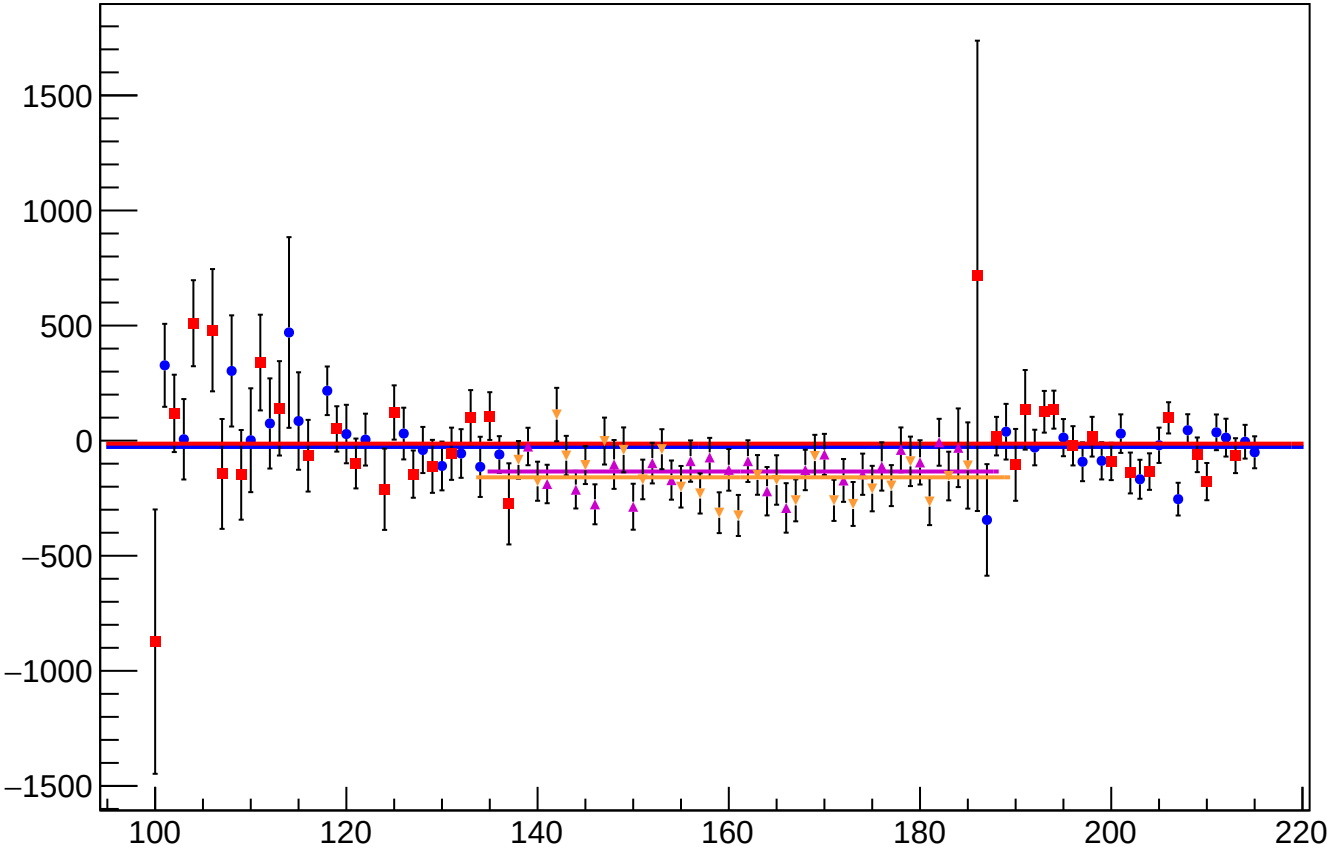
Right: 396.676+/-0.048 χ^2/NDF: 6741196.6/64

In: 351.997+/-0.042 χ^2/NDF:4355043.1/53

Out: 358.502+/-0.043 χ^2/NDF:5172748.2/58

All: 355.203+/-0.030 χ^2/NDF: 9539616.6/112

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -27.325+/-17.617 χ^2/NDF: 34.0/30

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -12.980+/-18.676 χ^2/NDF: 49.6/33

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

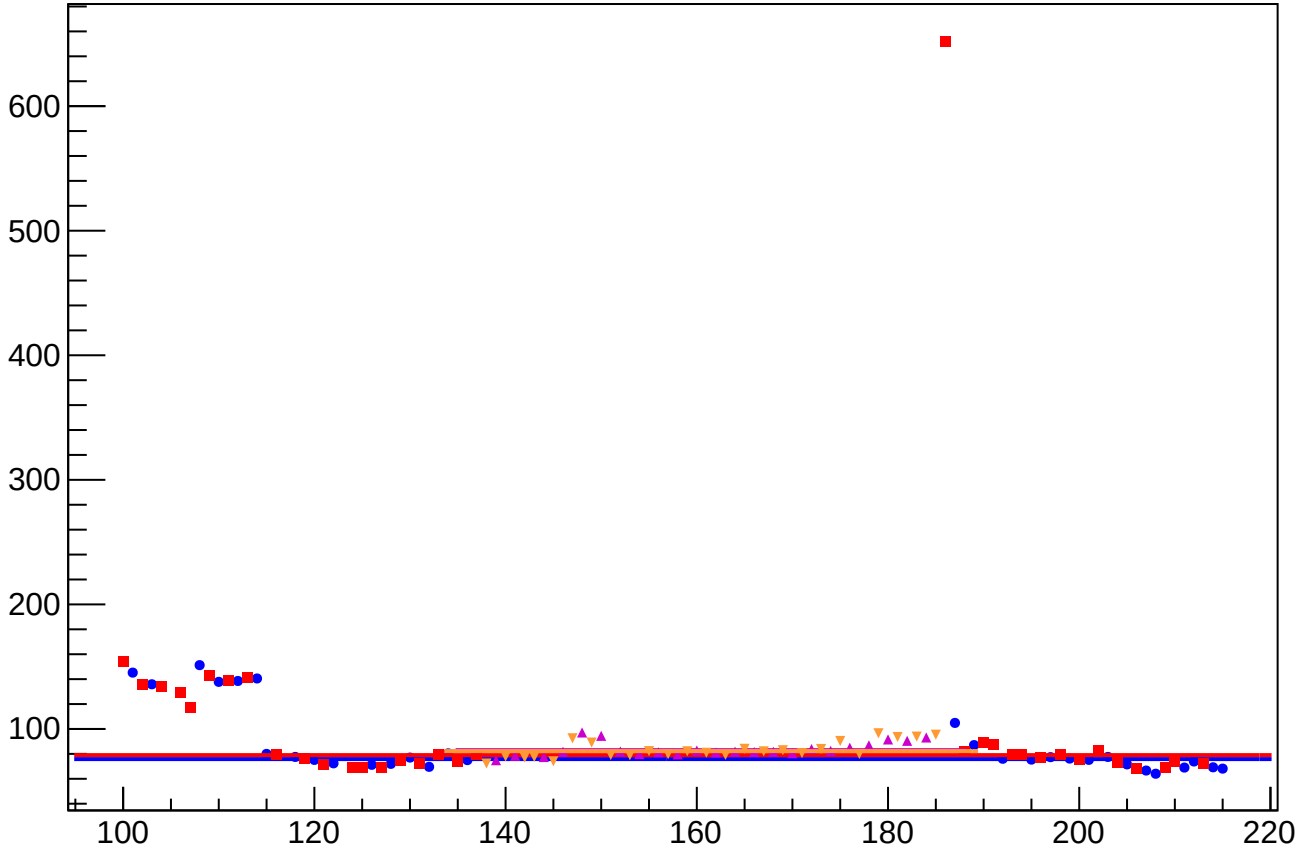
Right: -20.571+/-12.815 χ^2/NDF: 83.9/64

In: -75.430+/-13.055 χ^2/NDF:67.0/53

Out: -85.817+/-13.232 χ^2/NDF:108.3/58

All: -80.553+/-9.293 χ^2/NDF: 175.6/112

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.815+/-0.012 χ^2/NDF: 1354127.0/30

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 79.015+/-0.013 χ^2/NDF: 1964456.5/33

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

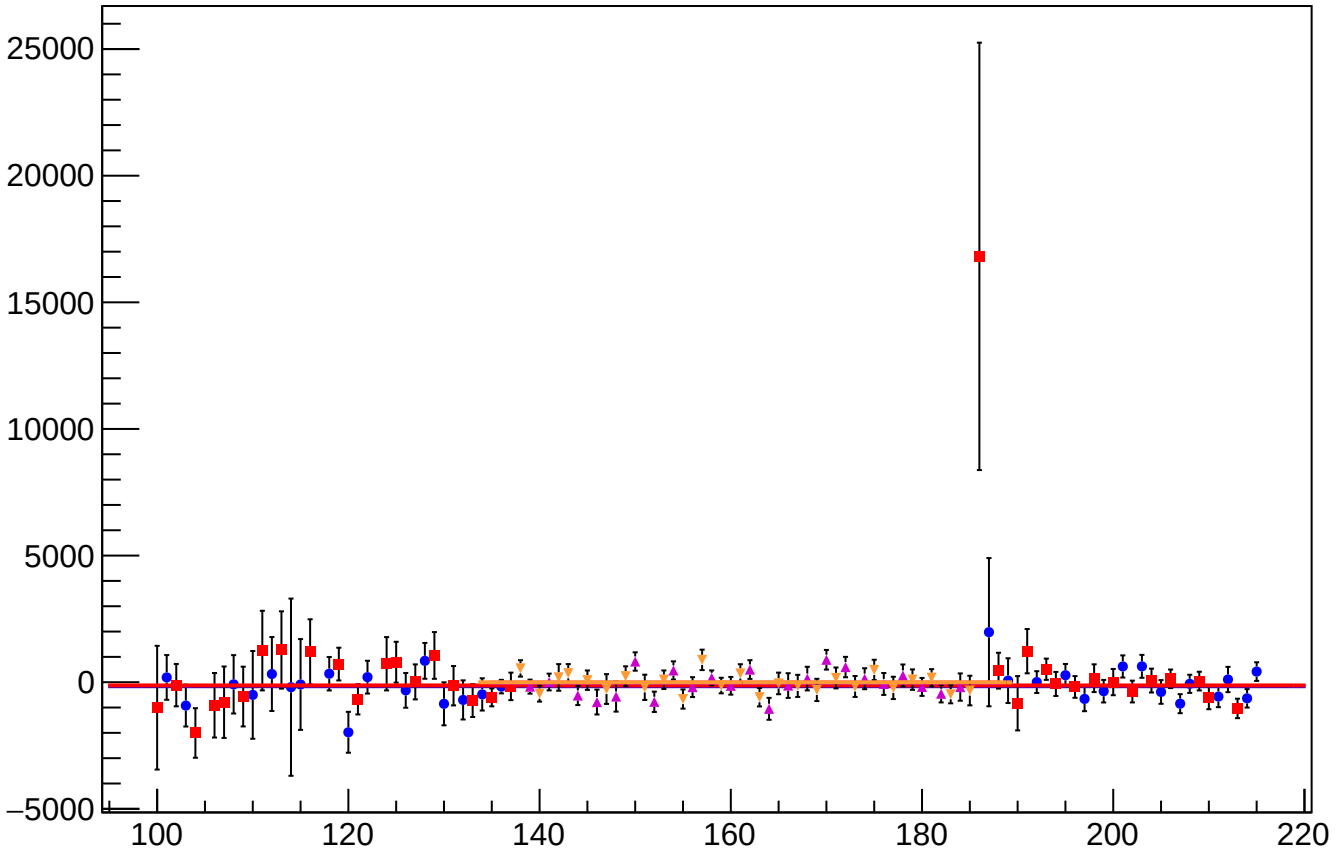
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 77.322+/-0.009 χ^2/NDF: 3349666.2/64

In: 79.052+/-0.009 χ^2/NDF:1649455.3/53

Out: 80.625+/-0.009 χ^2/NDF:2210830.2/58

All: 79.828+/-0.007 χ^2/NDF: 3874618.7/112



Right In: -157.418+/-95.366 χ^2/NDF: 28.8/30

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -128.323+/-102.630 χ^2/NDF: 34.0/33

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

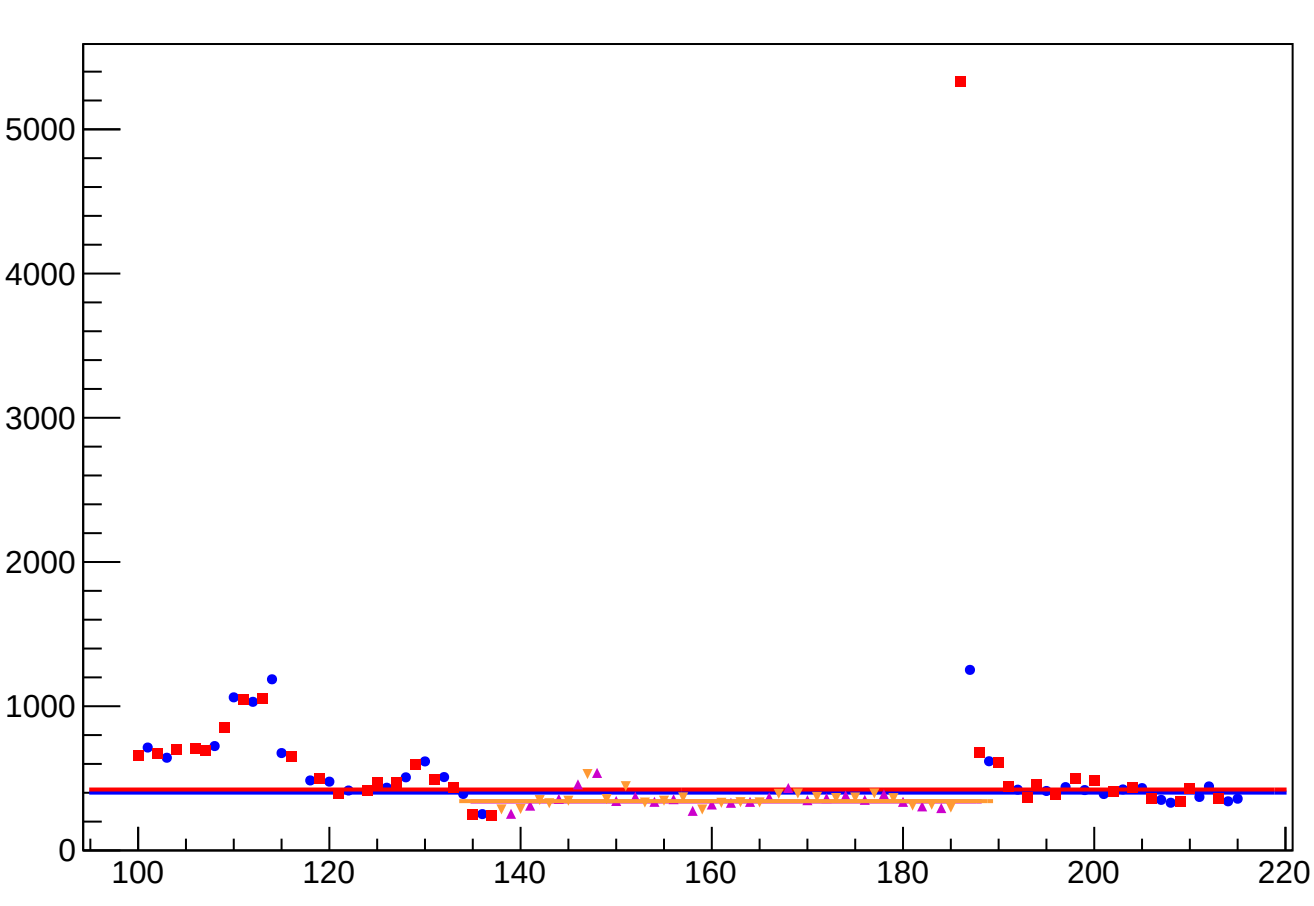
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -143.936+/-69.861 χ^2/NDF: 62.9/64

In: -75.066+/-61.474 χ^2/NDF:65.0/53

Out: -49.377+/-62.393 χ^2/NDF:58.5/58

All: -62.412+/-43.790 χ^2/NDF: 123.5/112



Right In: 400.986+/-0.067 χ^2/NDF: 2825681.8/30

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 422.578+/-0.073 χ^2/NDF: 3675906.2/33

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

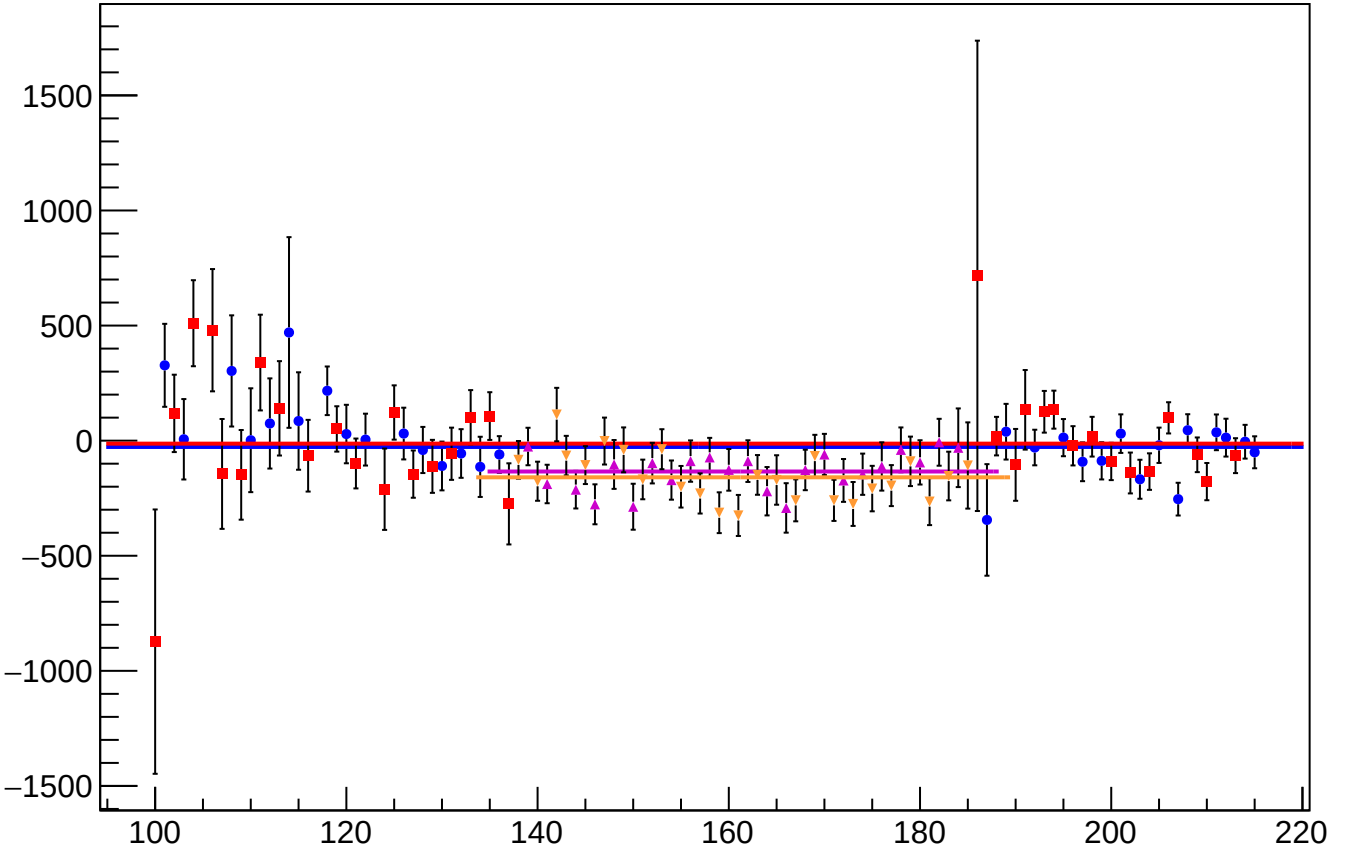
Right: 410.991+/-0.049 χ^2/NDF: 6549092.8/64

In: 365.008+/-0.043 χ^2/NDF:4159415.4/53

Out: 371.729+/-0.044 χ^2/NDF:5108626.2/58

All: 368.318+/-0.031 χ^2/NDF: 9279817.0/112

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -27.324+/-17.617 χ^2/NDF: 34.0/30

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -12.980+/-18.676 χ^2/NDF: 49.6/33

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

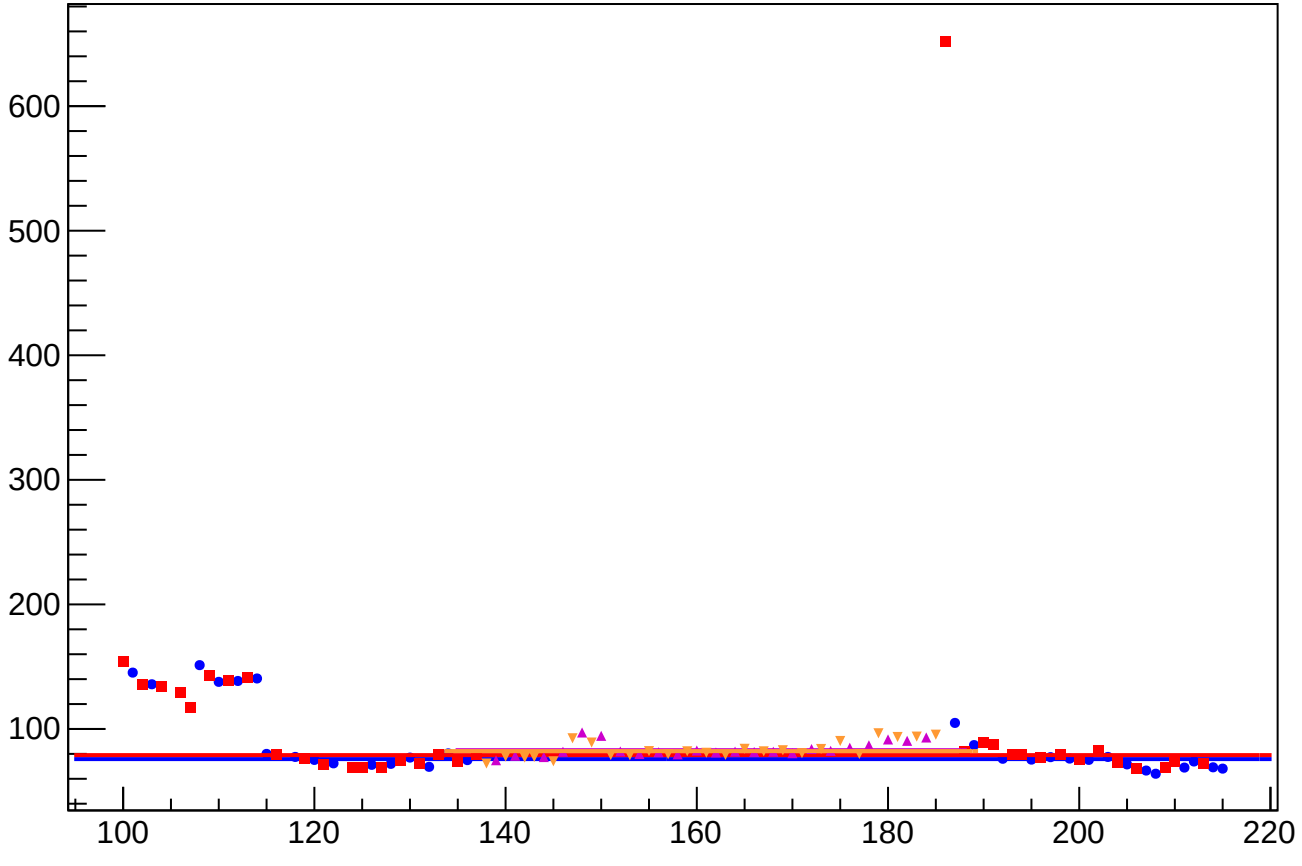
Right: -20.571+/-12.815 χ^2/NDF: 83.9/64

In: -75.430+/-13.054 χ^2/NDF:67.0/53

Out: -85.817+/-13.232 χ^2/NDF:108.3/58

All: -80.553+/-9.293 χ^2/NDF: 175.6/112

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.815+/-0.012 χ^2/NDF: 1354128.6/30

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 79.015+/-0.013 χ^2/NDF: 1964456.7/33

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

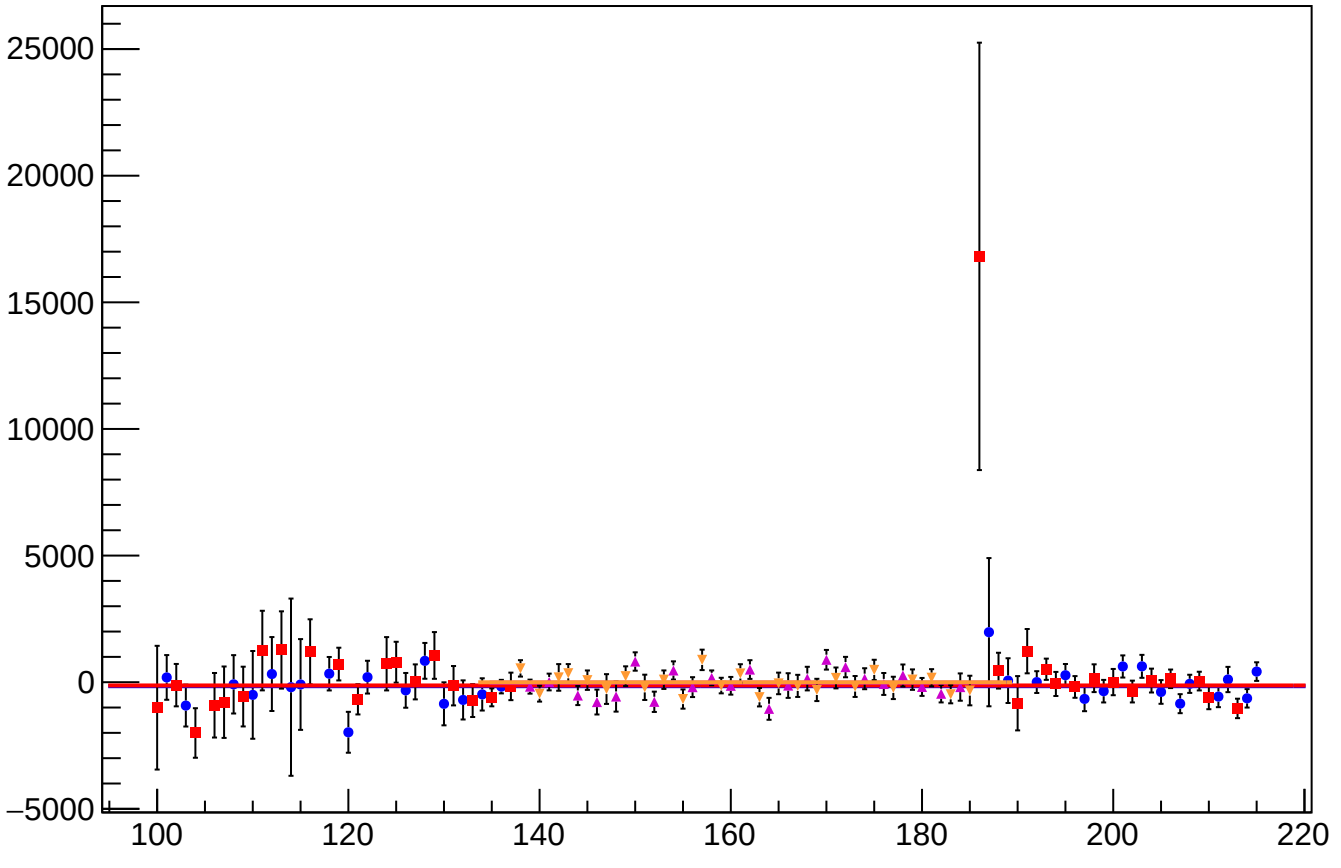
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 77.322+/-0.009 χ^2/NDF: 3349667.7/64

In: 79.051+/-0.009 χ^2/NDF:1649460.0/53

Out: 80.625+/-0.009 χ^2/NDF:2210833.2/58

All: 79.828+/-0.007 χ^2/NDF: 3874626.5/112



Right In: -157.416+/-95.366 χ^2/NDF: 28.8/30

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -128.323+/-102.630 χ^2/NDF: 34.0/33

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

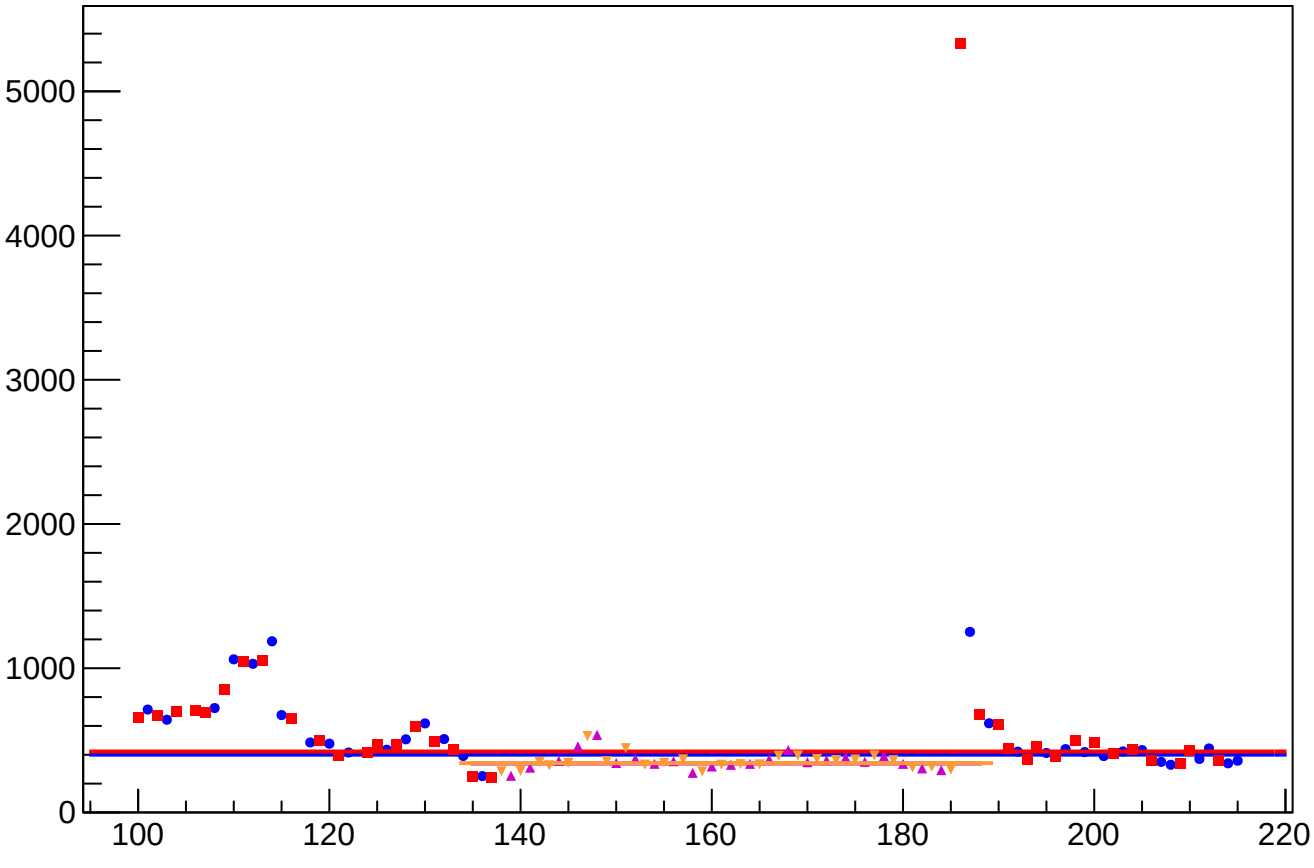
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -143.936+/-69.861 χ^2/NDF: 62.9/64

In: -75.065+/-61.474 χ^2/NDF:65.0/53

Out: -49.377+/-62.393 χ^2/NDF:58.5/58

All: -62.412+/-43.790 χ^2/NDF: 123.5/112



Right In: 400.985+/-0.067 χ^2/NDF: 2825686.5/30

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 422.577+/-0.073 χ^2/NDF: 3675912.7/33

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

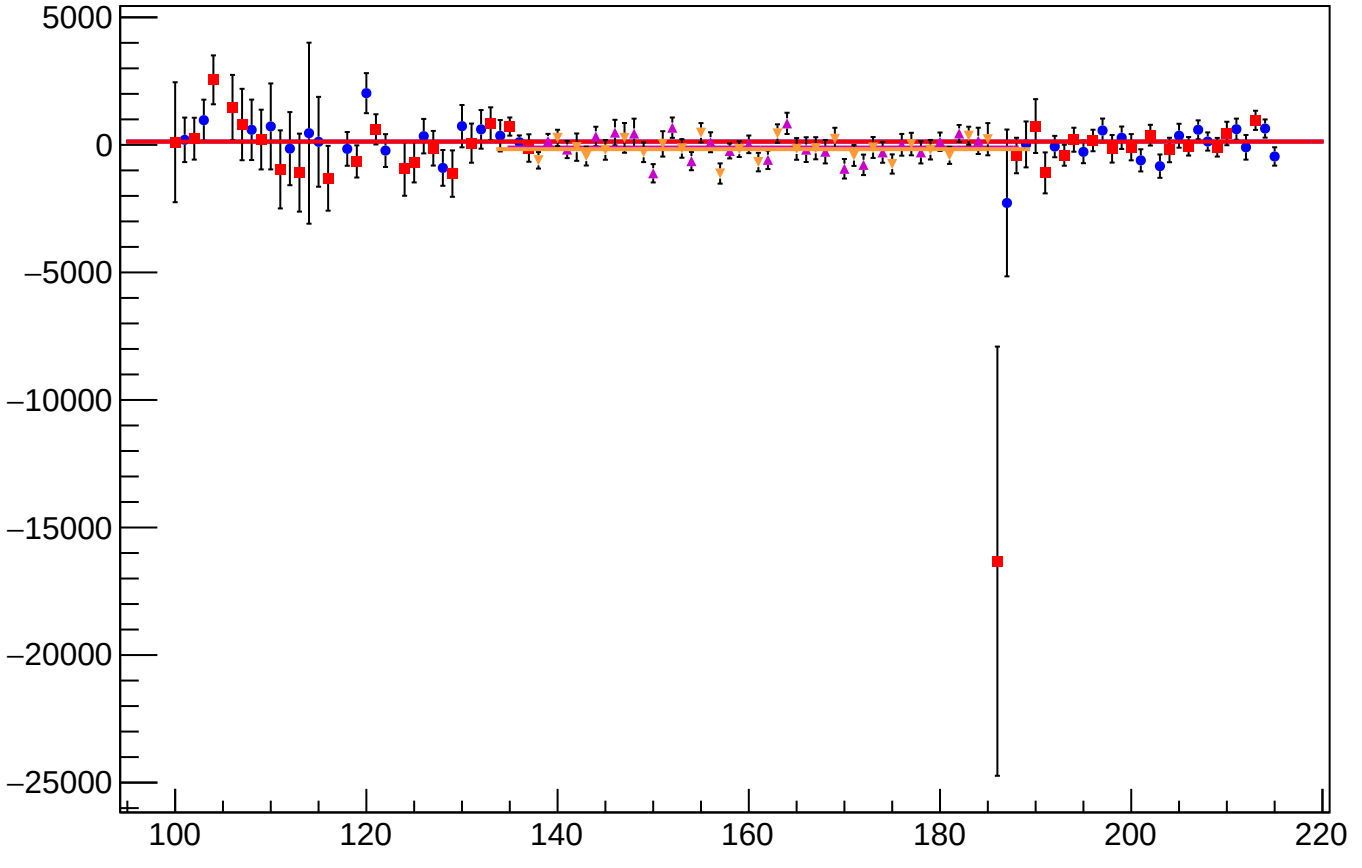
Right: 410.990+/-0.049 χ^2/NDF: 6549103.6/64

In: 365.007+/-0.043 χ^2/NDF:4159412.8/53

Out: 371.728+/-0.044 χ^2/NDF:5108619.6/58

All: 368.318+/-0.031 χ^2/NDF: 9279807.9/112

asym_sam1_mean vs Slug, Sign Corrected



Right In: 131.522+/-94.237 χ^2/NDF: 29.2/30

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 128.693+/-101.125 χ^2/NDF: 36.7/33

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

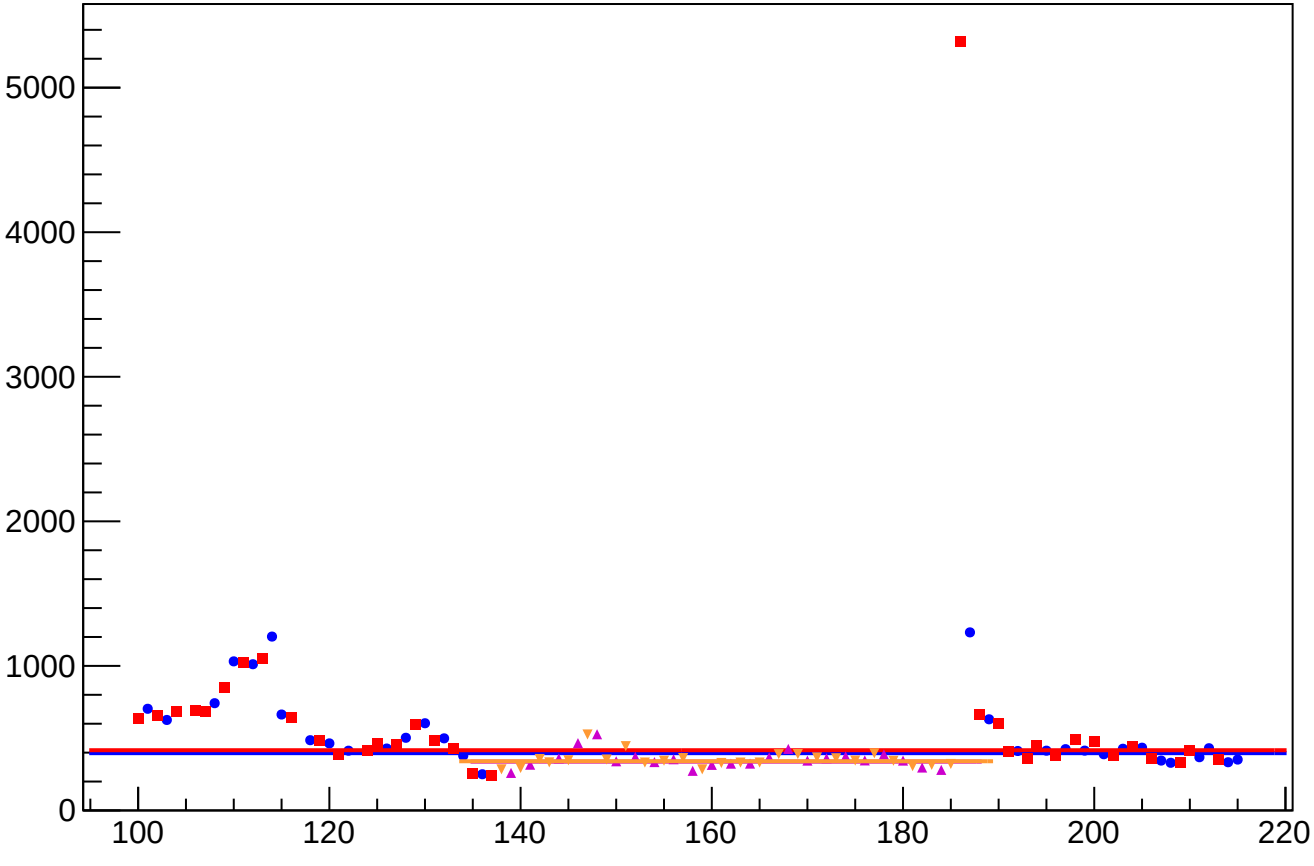
Right: 130.207+/-68.942 χ^2/NDF: 65.9/64

In: -5.372+/-60.986 χ^2/NDF:70.3/53

Out: -56.623+/-61.851 χ^2/NDF:67.7/58

All: -30.636+/-43.426 χ^2/NDF: 138.3/112

asym_sam1_rms vs Slug, Sign Corrected



Right In: 396.309+/-0.067 χ^2/NDF: 2812651.2/30

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 416.683+/-0.072 χ^2/NDF: 3628128.1/33

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

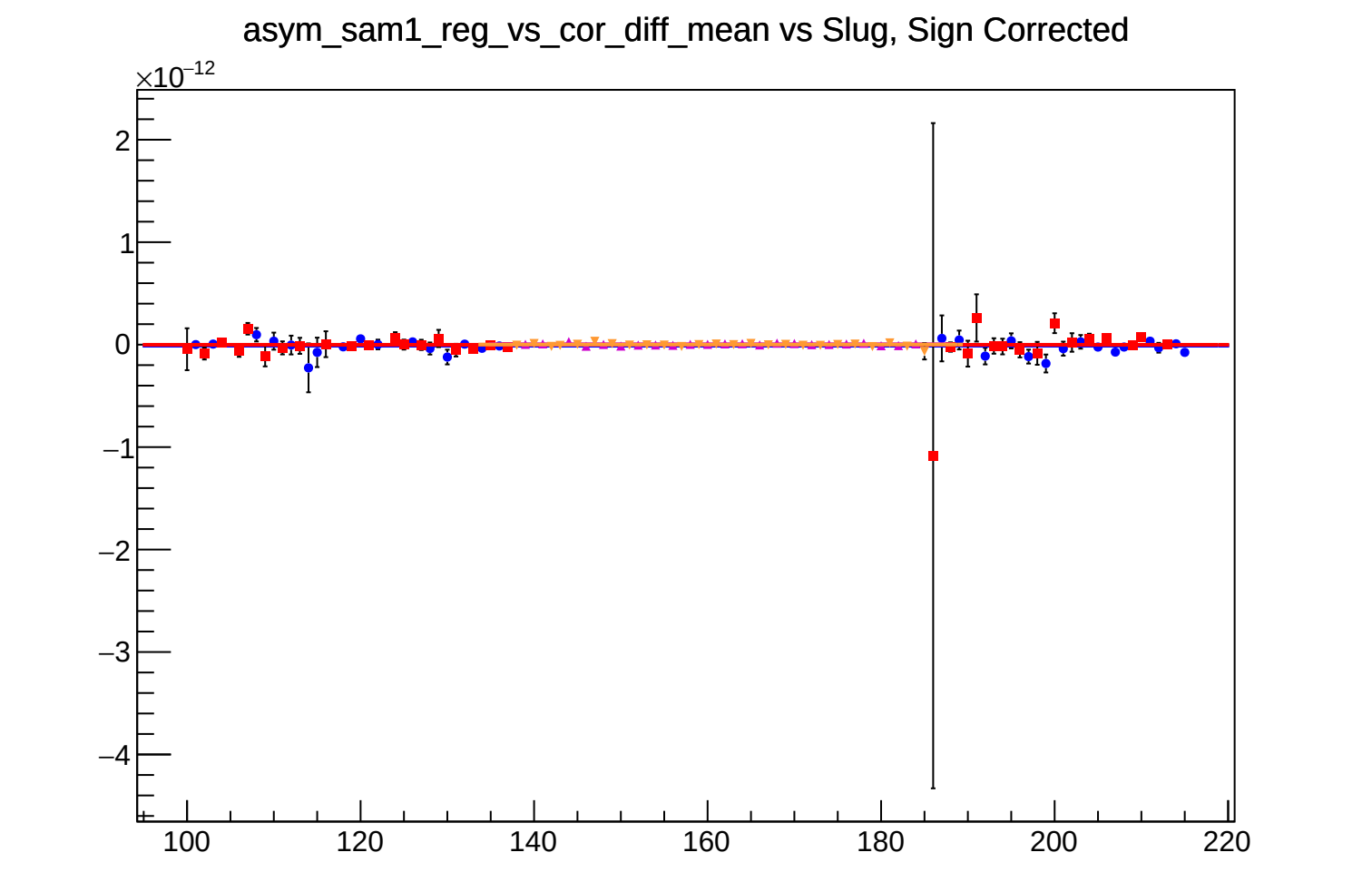
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 405.779+/-0.049 χ^2/NDF: 6484230.7/64

In: 362.280+/-0.043 χ^2/NDF:4082033.0/53

Out: 368.931+/-0.044 χ^2/NDF:4944776.8/58

All: 365.558+/-0.031 χ^2/NDF: 9038537.4/112



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/33

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

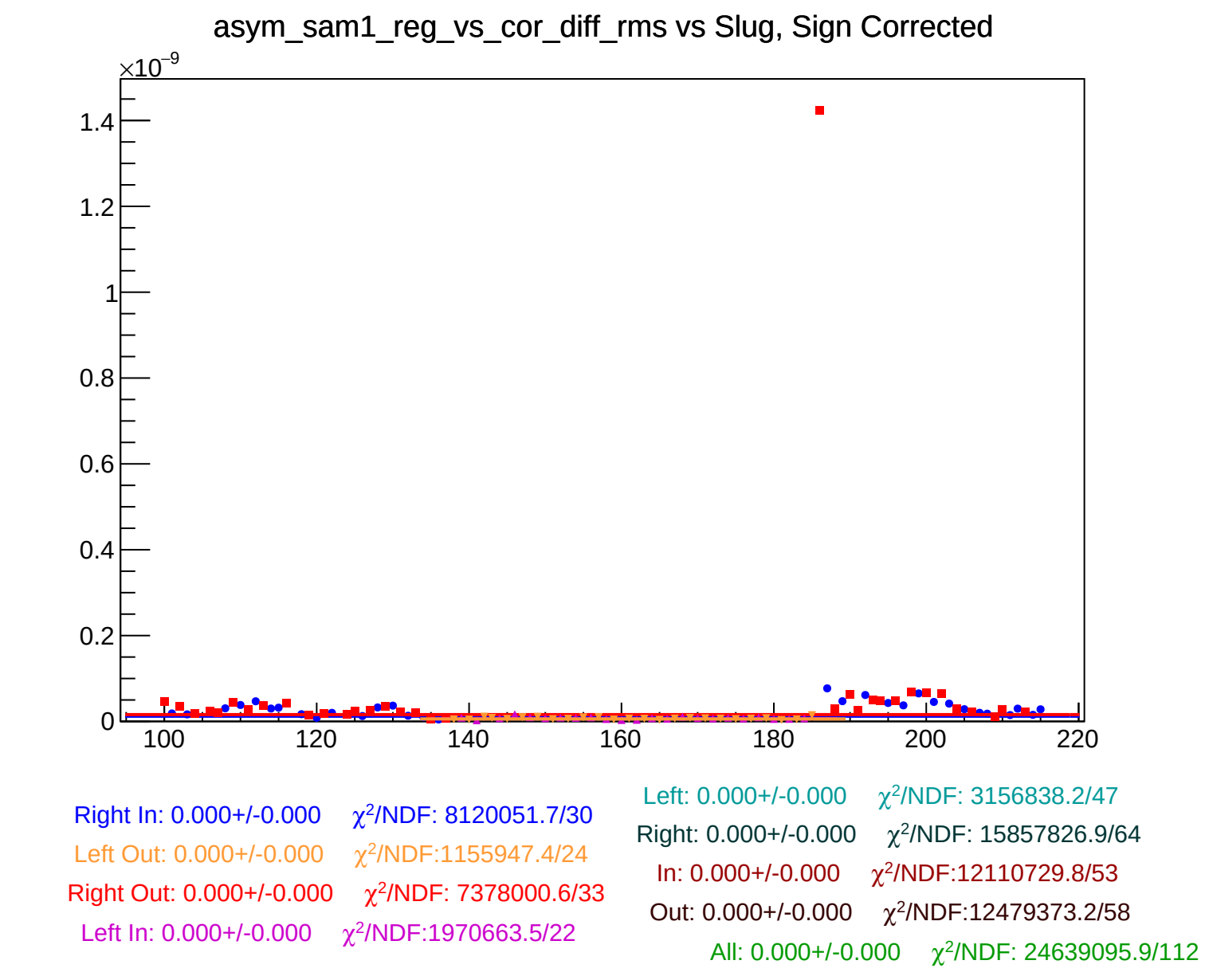
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

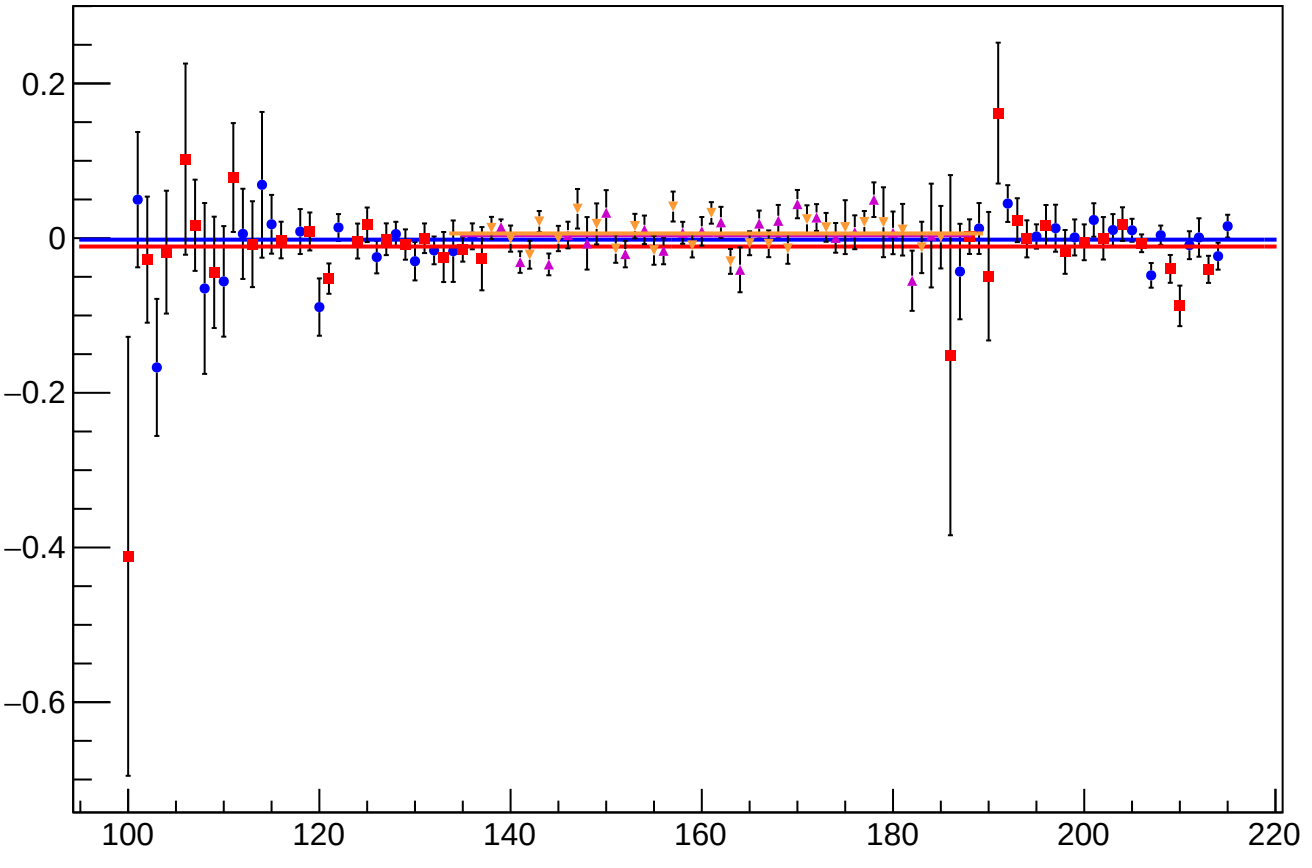
Right: -0.000+/-0.000 χ^2/NDF: 71.4/64

In: 0.000+/-0.000 χ^2/NDF:53.9/53

Out: 0.000+/-0.000 χ^2/NDF:50.4/58

All: 0.000+/-0.000 χ^2/NDF: 104.3/112


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8120051.7/30
Left Out: 0.000+/-0.000 χ²/NDF:1155947.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 7378000.6/33
Left In: 0.000+/-0.000 χ²/NDF:1970663.5/22
Left: 0.000+/-0.000 χ²/NDF: 3156838.2/47
Right: 0.000+/-0.000 χ²/NDF: 15857826.9/64
In: 0.000+/-0.000 χ²/NDF:12110729.8/53
Out: 0.000+/-0.000 χ²/NDF:12479373.2/58
All: 0.000+/-0.000 χ²/NDF: 24639095.9/112



Right In: -0.002+/-0.004 χ^2/NDF: 34.4/30

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.011+/-0.004 χ^2/NDF: 36.1/33

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

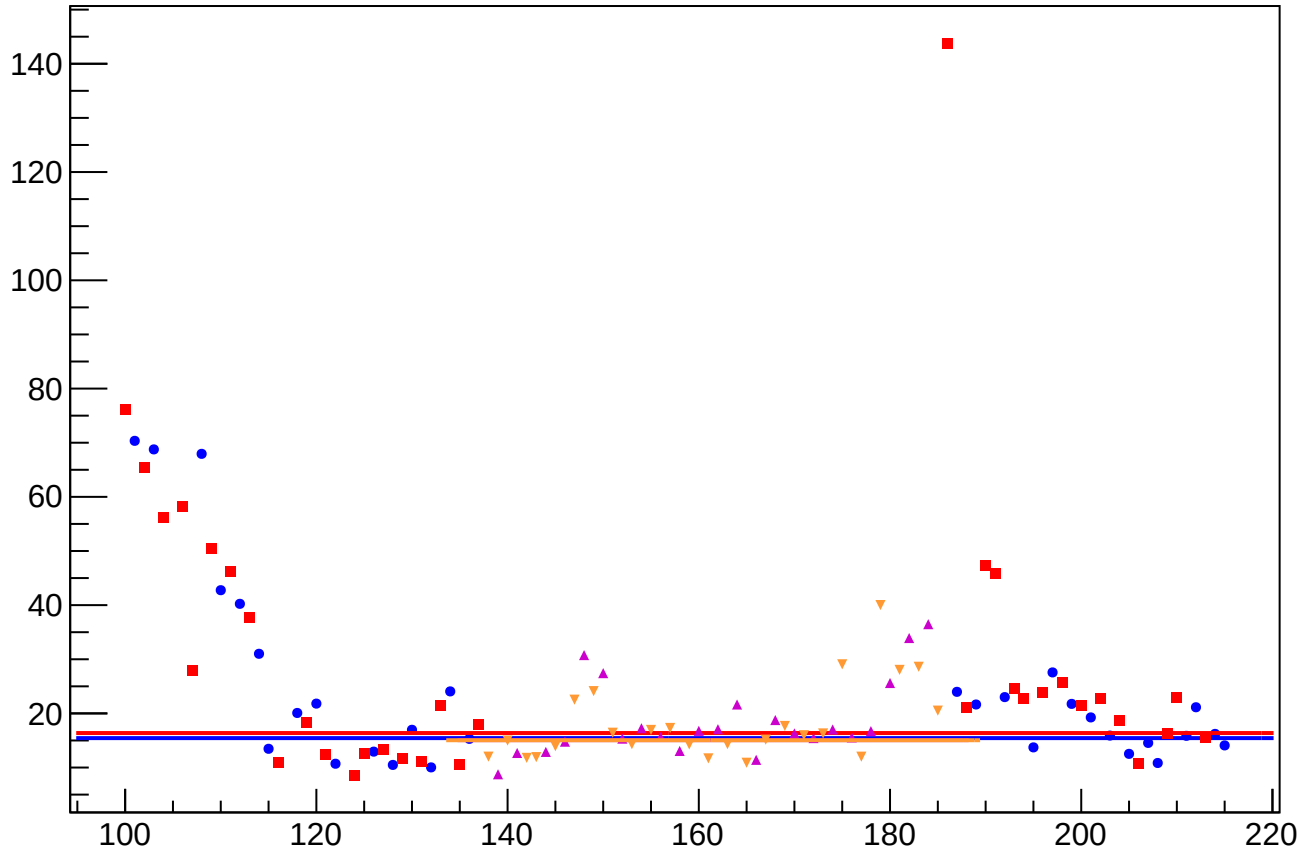
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.006+/-0.003 χ^2/NDF: 72.7/64

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: 0.000+/-0.002 χ^2/NDF: 144.4/112



Right In: 15.436+/-0.003 χ^2/NDF: 4793415.4/30

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.372+/-0.003 χ^2/NDF: 6551485.0/33

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

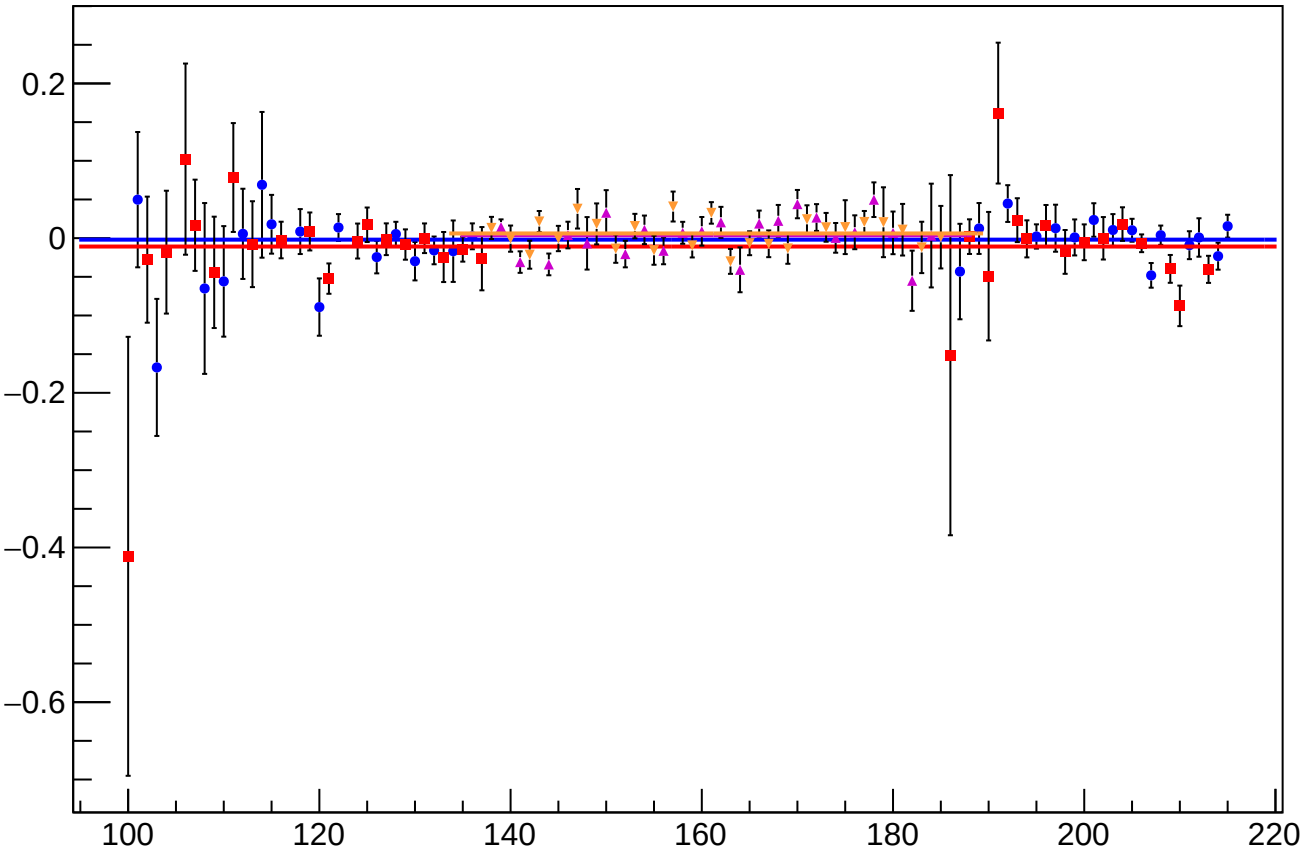
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.861+/-0.002 χ^2/NDF: 11395769.8/64

In: 15.246+/-0.002 χ^2/NDF:7868972.7/53

Out: 15.601+/-0.002 χ^2/NDF:9418222.7/58

All: 15.420+/-0.001 χ^2/NDF: 17303513.9/112



Right In: -0.002+/-0.004 χ^2/NDF: 34.4/30

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.011+/-0.004 χ^2/NDF: 36.1/33

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

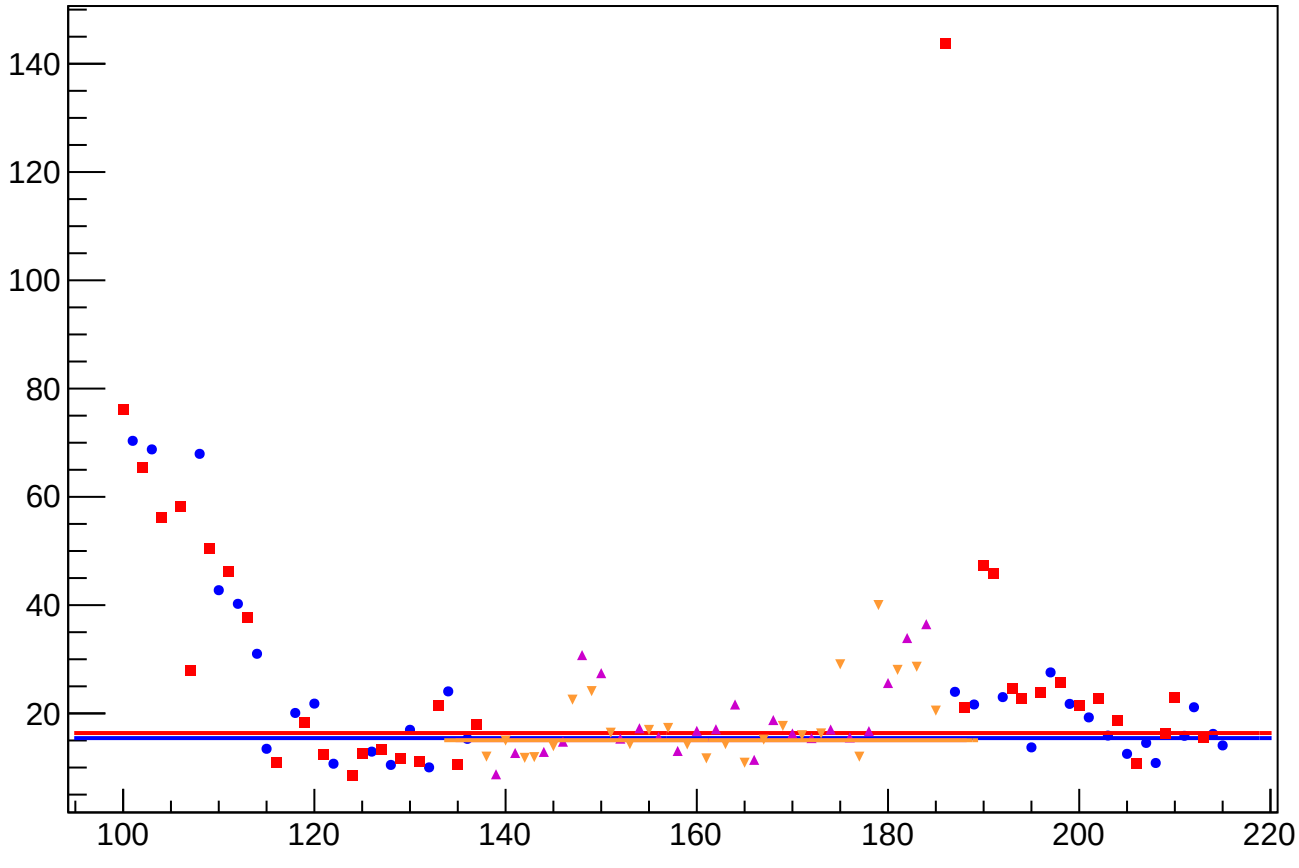
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.006+/-0.003 χ^2/NDF: 72.7/64

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: 0.000+/-0.002 χ^2/NDF: 144.4/112



Right In: 15.436+/-0.003 χ^2/NDF: 4793415.4/30

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.372+/-0.003 χ^2/NDF: 6551485.0/33

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

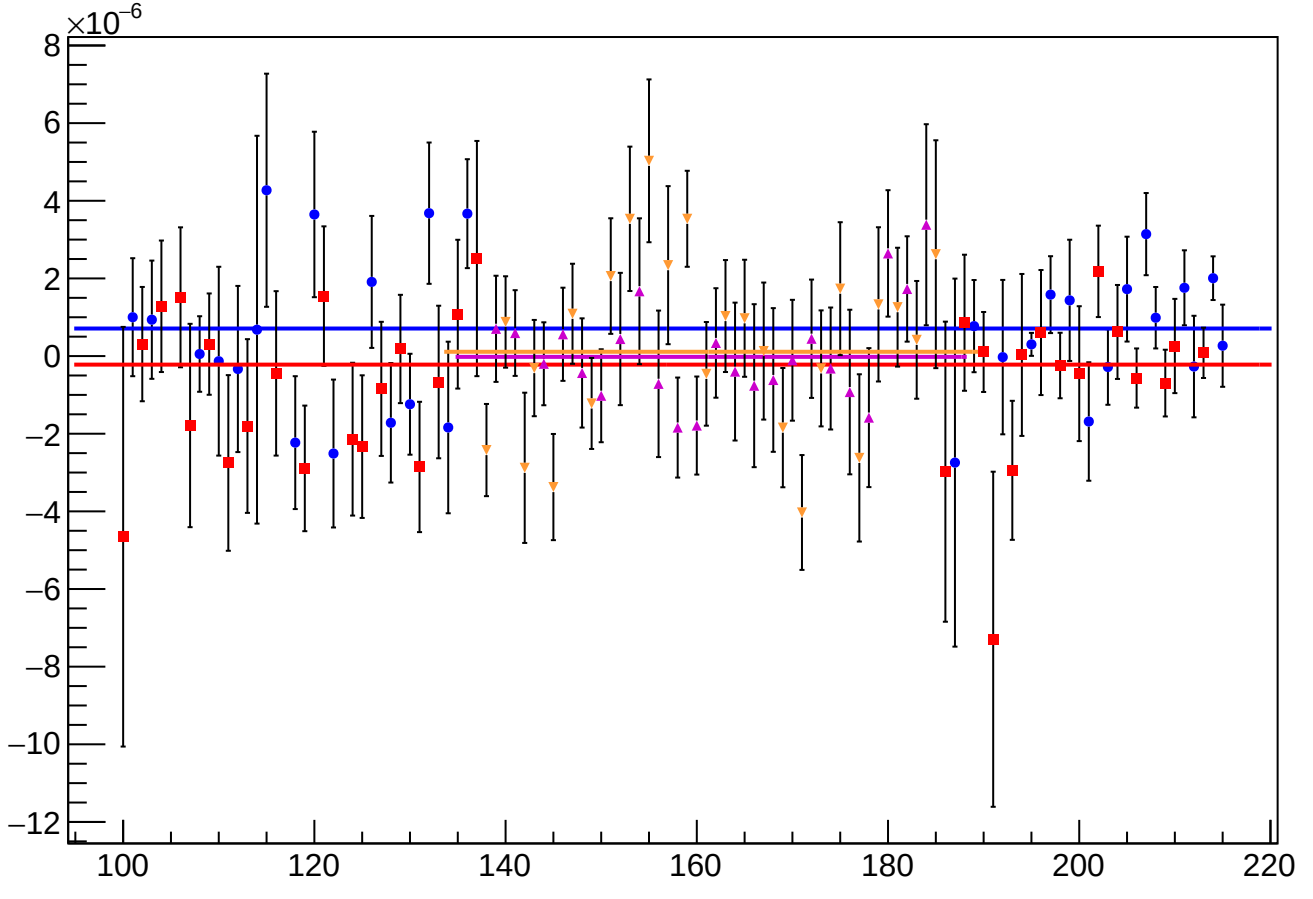
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.861+/-0.002 χ^2/NDF: 11395769.8/64

In: 15.246+/-0.002 χ^2/NDF:7868972.7/53

Out: 15.601+/-0.002 χ^2/NDF:9418222.7/58

All: 15.420+/-0.001 χ^2/NDF: 17303513.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 43.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/33

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

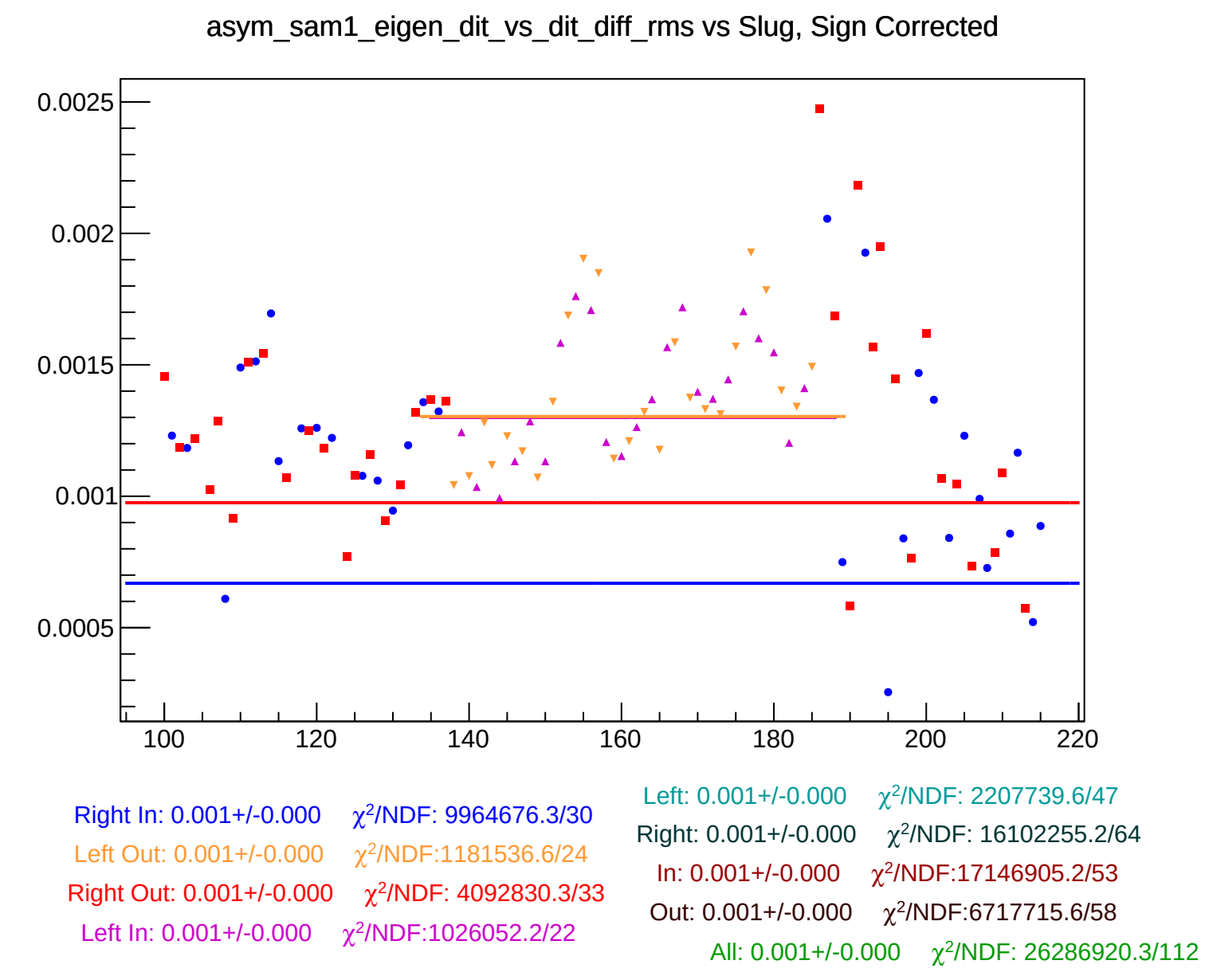
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

Right: 0.000+/-0.000 χ^2/NDF: 79.9/64

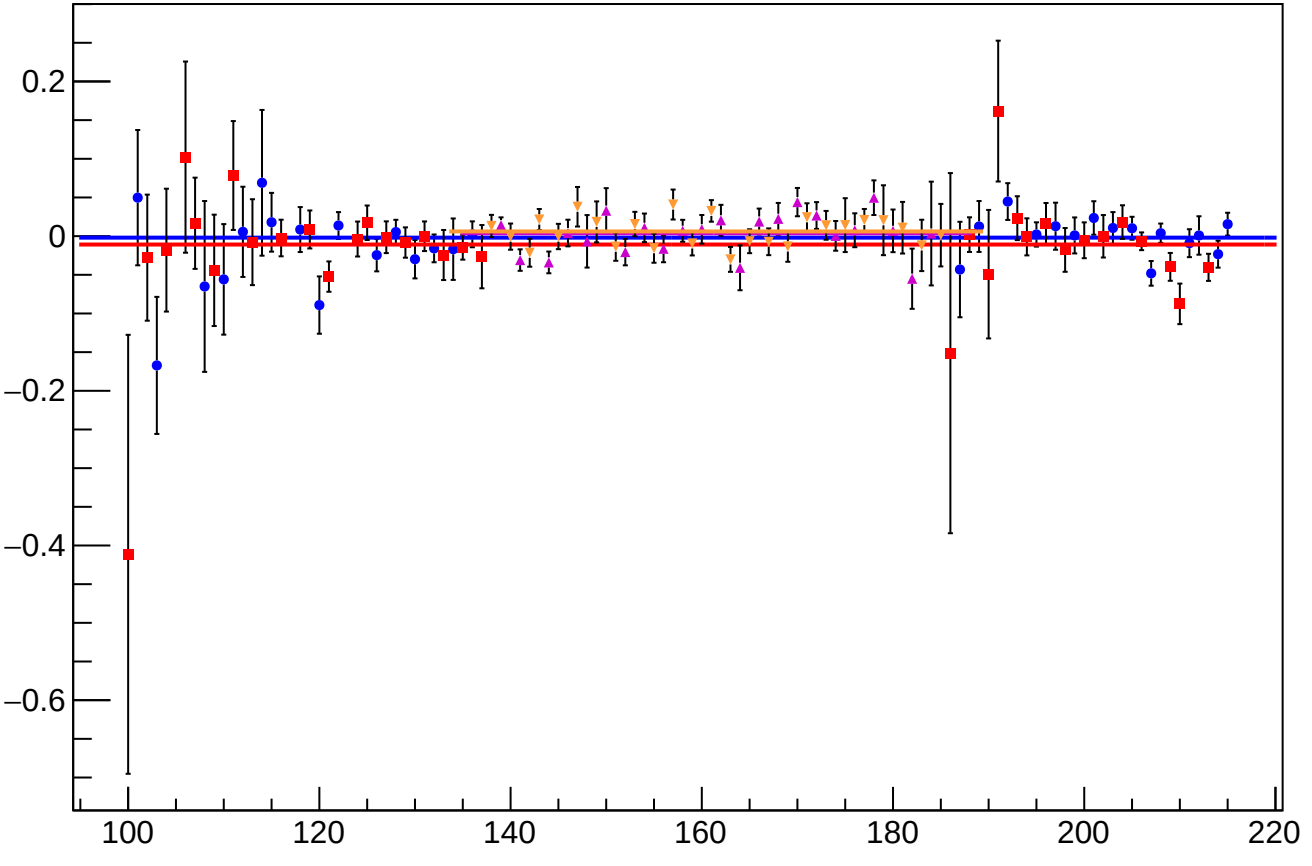
In: 0.000+/-0.000 χ^2/NDF:62.2/53

Out: -0.000+/-0.000 χ^2/NDF:77.3/58

All: 0.000+/-0.000 χ^2/NDF: 145.7/112


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: 9964676.3/30
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 4092830.3/33
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2207739.6/47
Right: 0.001+/-0.000 χ²/NDF: 16102255.2/64
In: 0.001+/-0.000 χ²/NDF:17146905.2/53
Out: 0.001+/-0.000 χ²/NDF:6717715.6/58
All: 0.001+/-0.000 χ²/NDF: 26286920.3/112

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.004 χ^2/NDF: 34.4/30

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.011+/-0.004 χ^2/NDF: 36.1/33

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

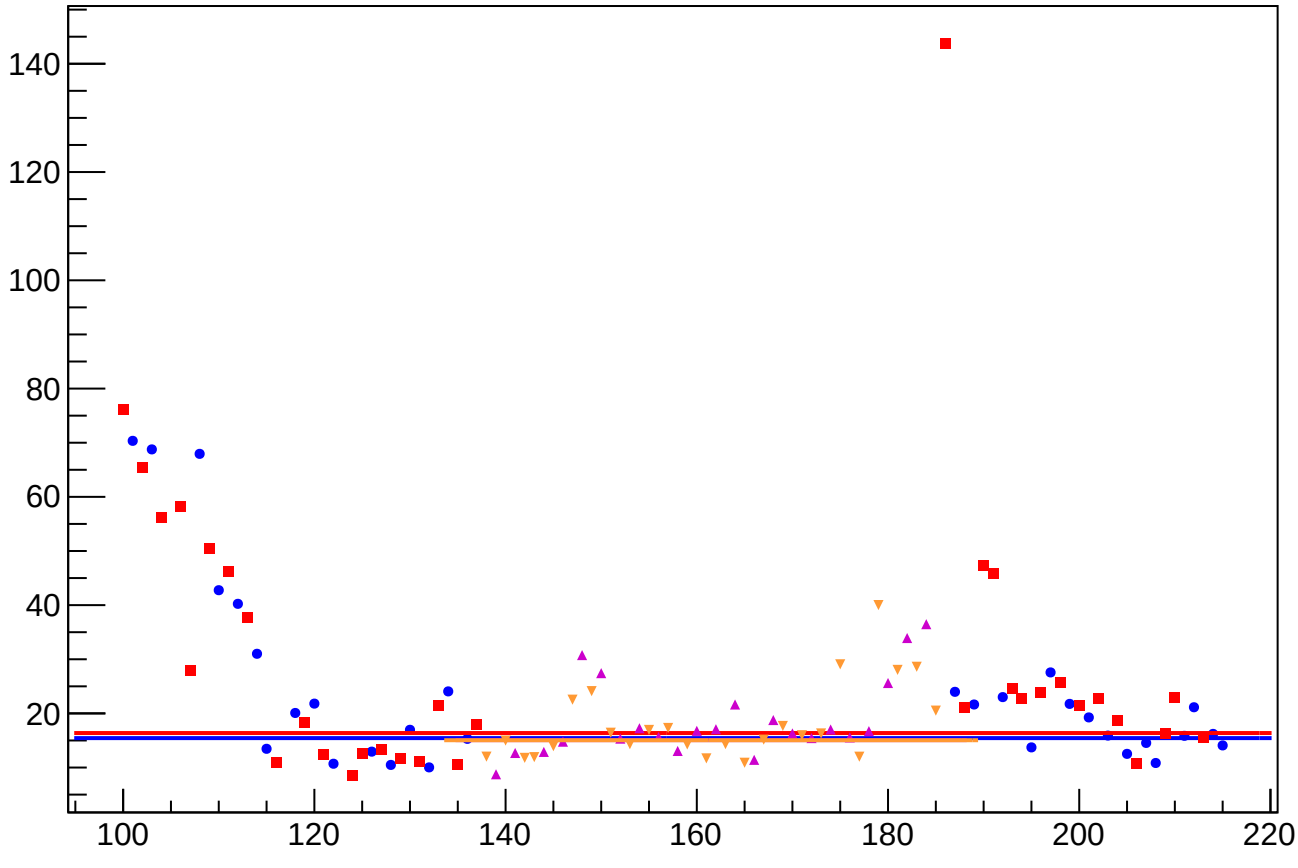
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.006+/-0.003 χ^2/NDF: 72.7/64

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: 0.000+/-0.002 χ^2/NDF: 144.4/112



Right In: 15.436+/-0.003 χ^2/NDF: 4793431.2/30

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.372+/-0.003 χ^2/NDF: 6551449.1/33

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

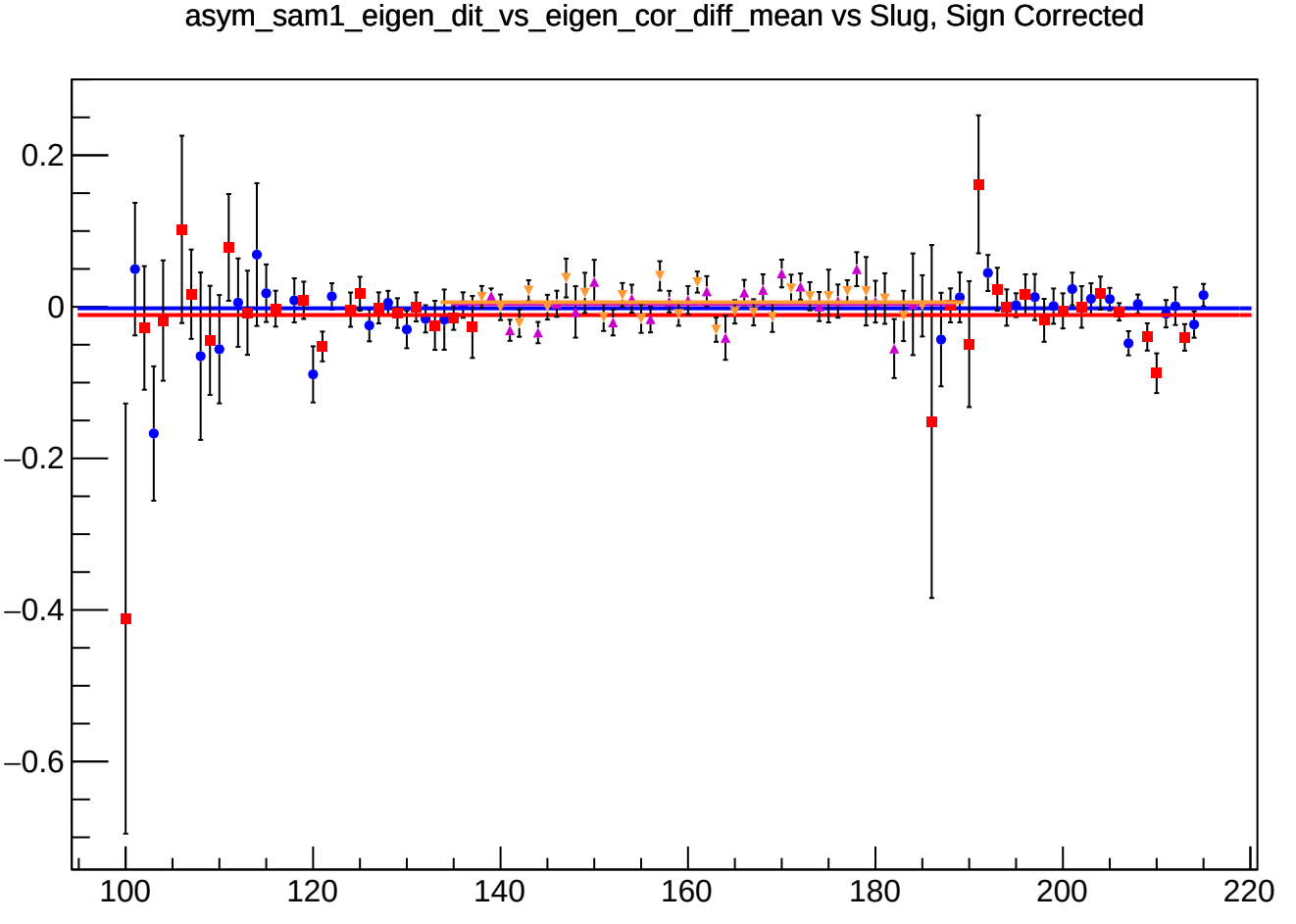
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.861+/-0.002 χ^2/NDF: 11395763.2/64

In: 15.246+/-0.002 χ^2/NDF:7869024.1/53

Out: 15.601+/-0.002 χ^2/NDF:9418399.2/58

All: 15.420+/-0.001 χ^2/NDF: 17303743.8/112



Right In: -0.002+/-0.004 χ^2/NDF: 34.4/30

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.011+/-0.004 χ^2/NDF: 36.1/33

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

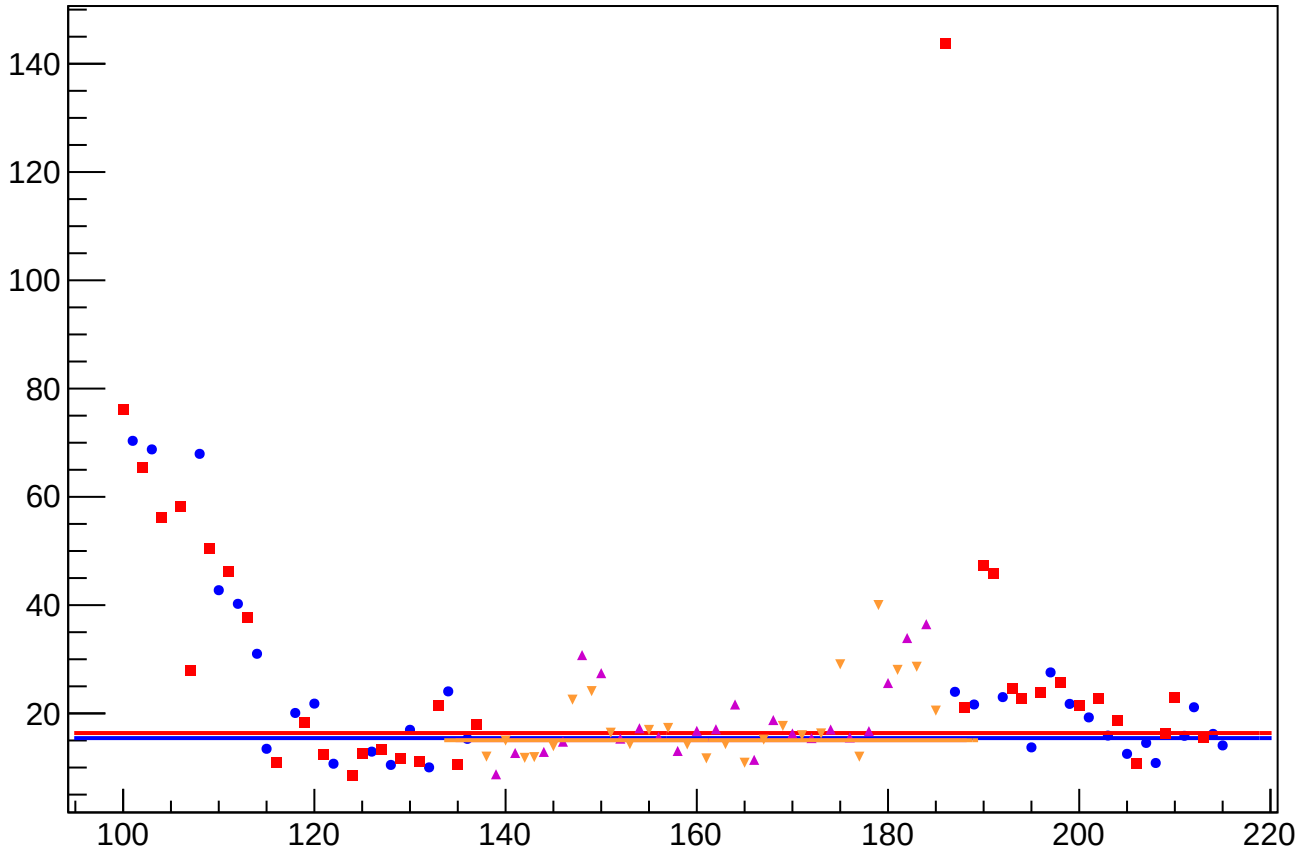
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.006+/-0.003 χ^2/NDF: 72.7/64

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: -0.001+/-0.003 χ^2/NDF:71.6/58

All: 0.000+/-0.002 χ^2/NDF: 144.4/112



Right In: 15.436+/-0.003 χ^2/NDF: 4793431.2/30

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.372+/-0.003 χ^2/NDF: 6551449.1/33

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

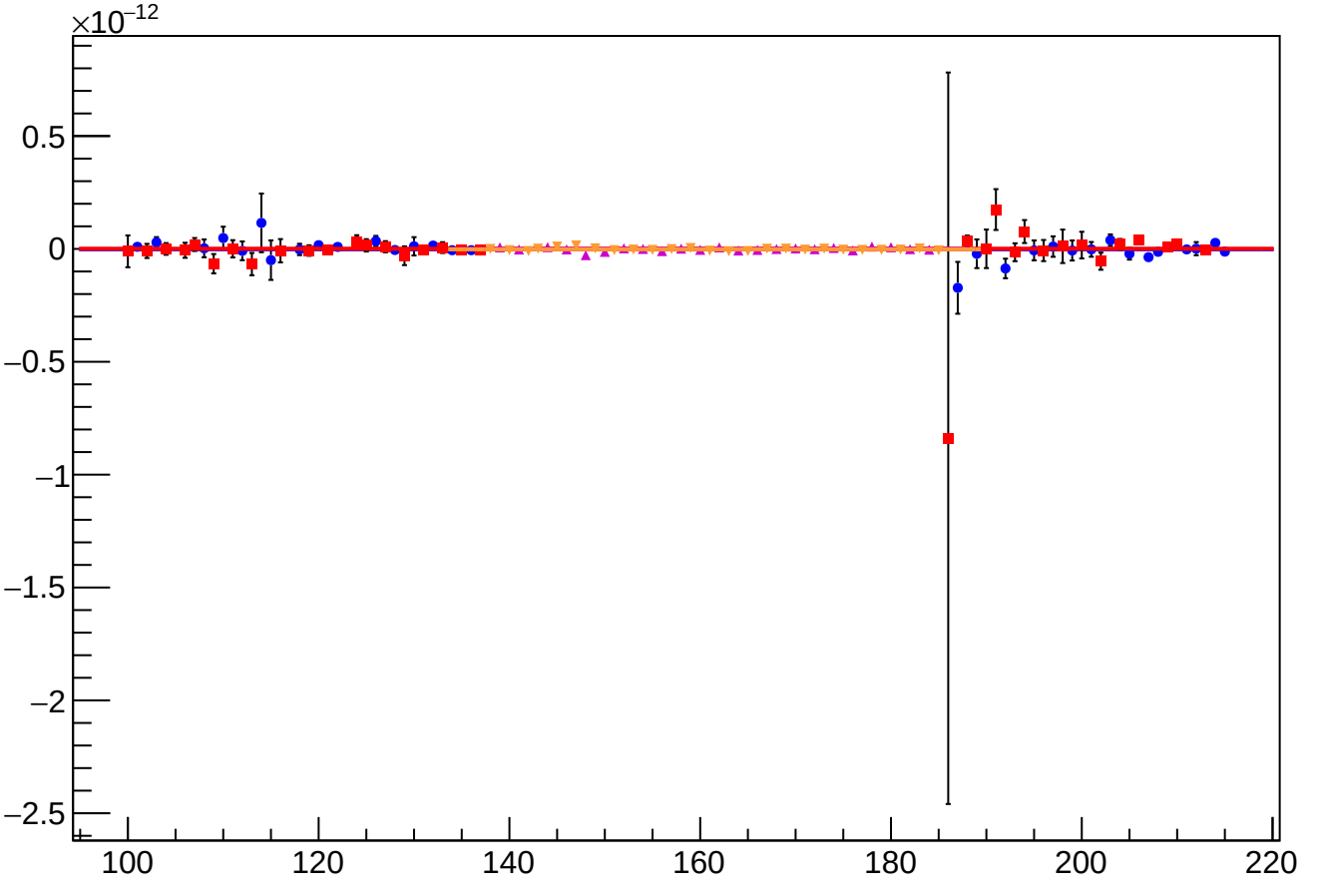
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.861+/-0.002 χ^2/NDF: 11395763.2/64

In: 15.246+/-0.002 χ^2/NDF:7869024.1/53

Out: 15.601+/-0.002 χ^2/NDF:9418399.2/58

All: 15.420+/-0.001 χ^2/NDF: 17303743.8/112



Right In: -0.000+/-0.000 χ^2/NDF: 26.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/33

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

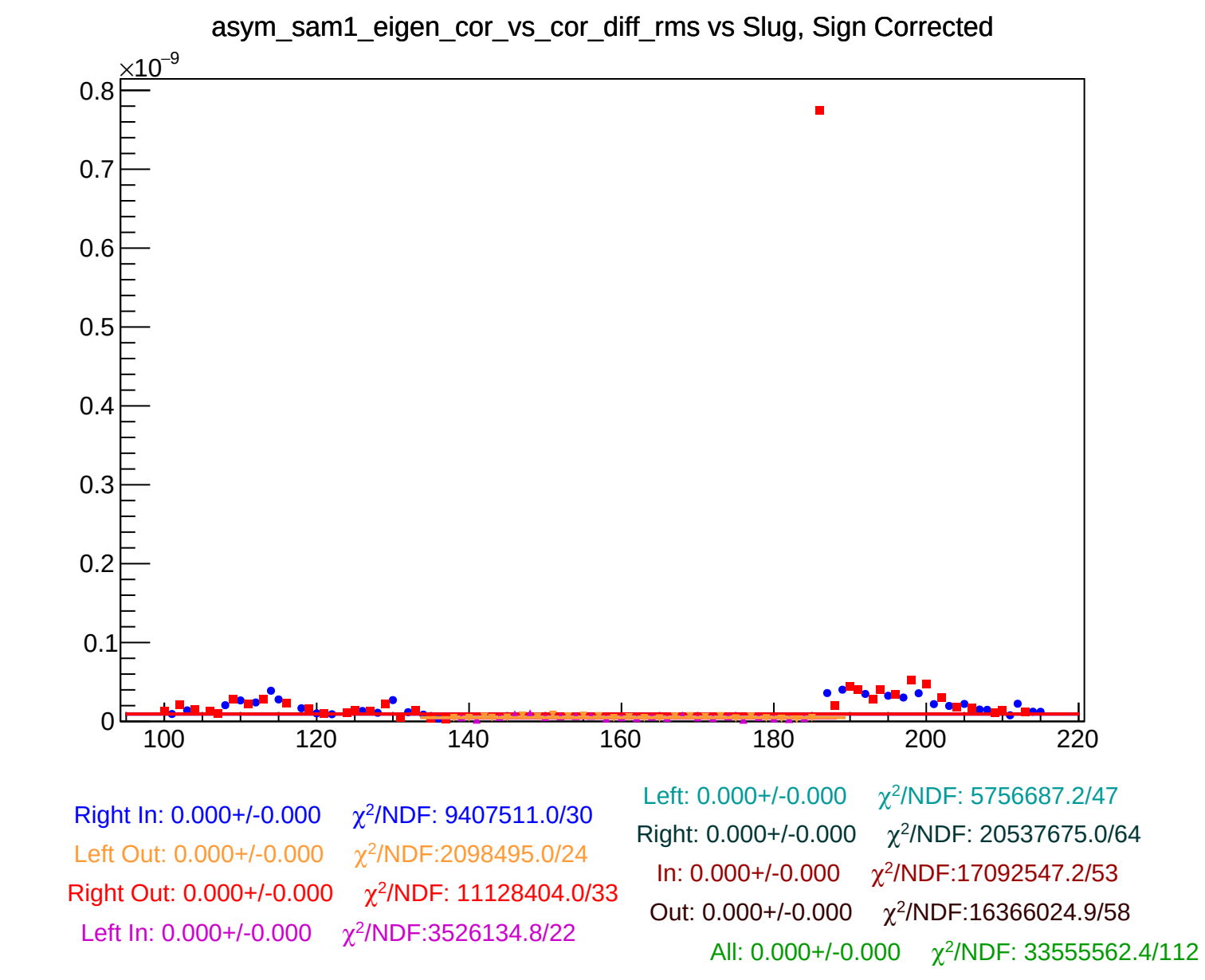
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.6/64

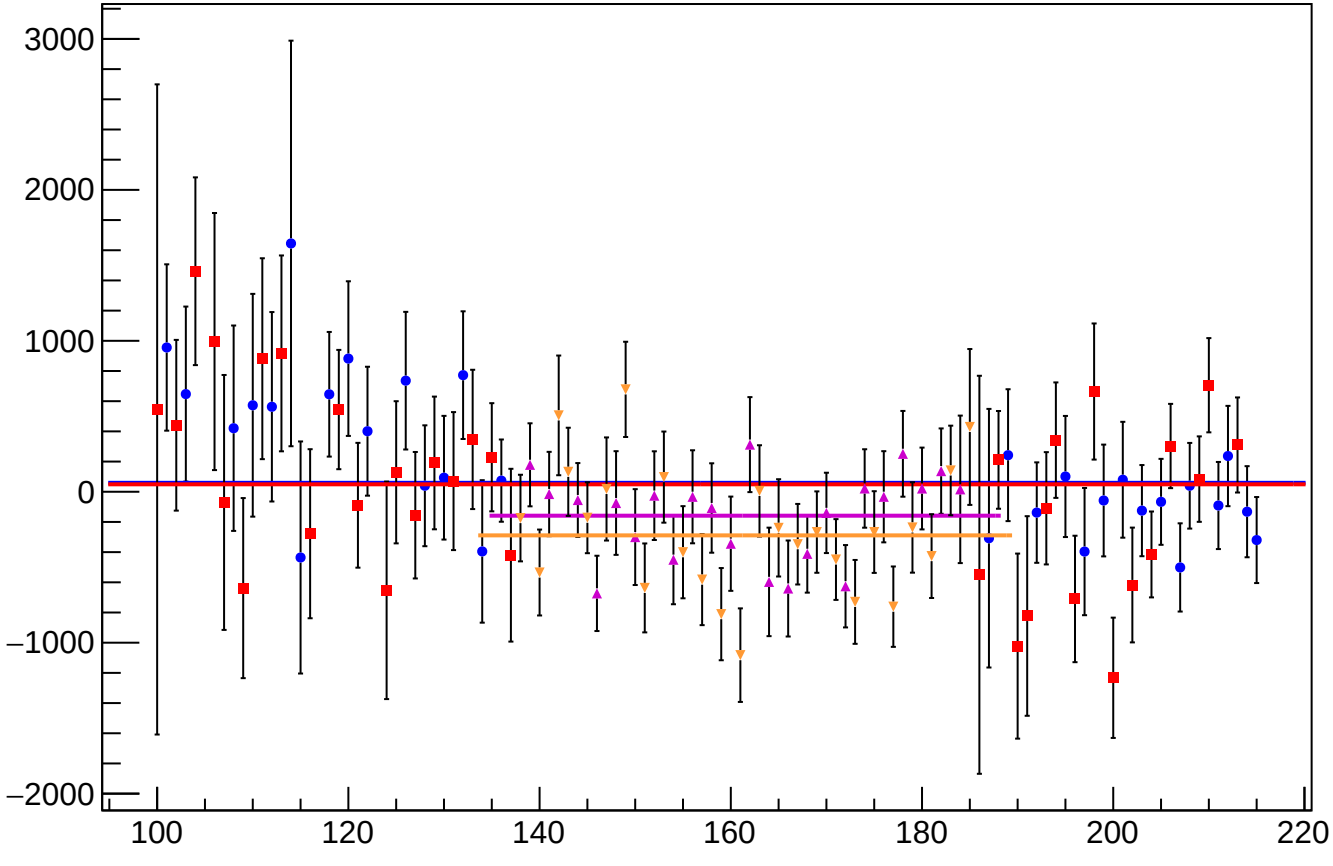
In: -0.000+/-0.000 χ^2/NDF:48.1/53

Out: -0.000+/-0.000 χ^2/NDF:39.4/58

All: -0.000+/-0.000 χ^2/NDF: 87.6/112


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9407511.0/30
Left Out: 0.000+/-0.000 χ²/NDF:2098495.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11128404.0/33
Left In: 0.000+/-0.000 χ²/NDF:3526134.8/22
Left: 0.000+/-0.000 χ²/NDF: 5756687.2/47
Right: 0.000+/-0.000 χ²/NDF: 20537675.0/64
In: 0.000+/-0.000 χ²/NDF:17092547.2/53
Out: 0.000+/-0.000 χ²/NDF:16366024.9/58
All: 0.000+/-0.000 χ²/NDF: 33555562.4/112

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 59.151+/-69.996 χ^2/NDF: 27.1/30

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 49.295+/-74.496 χ^2/NDF: 49.5/33

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

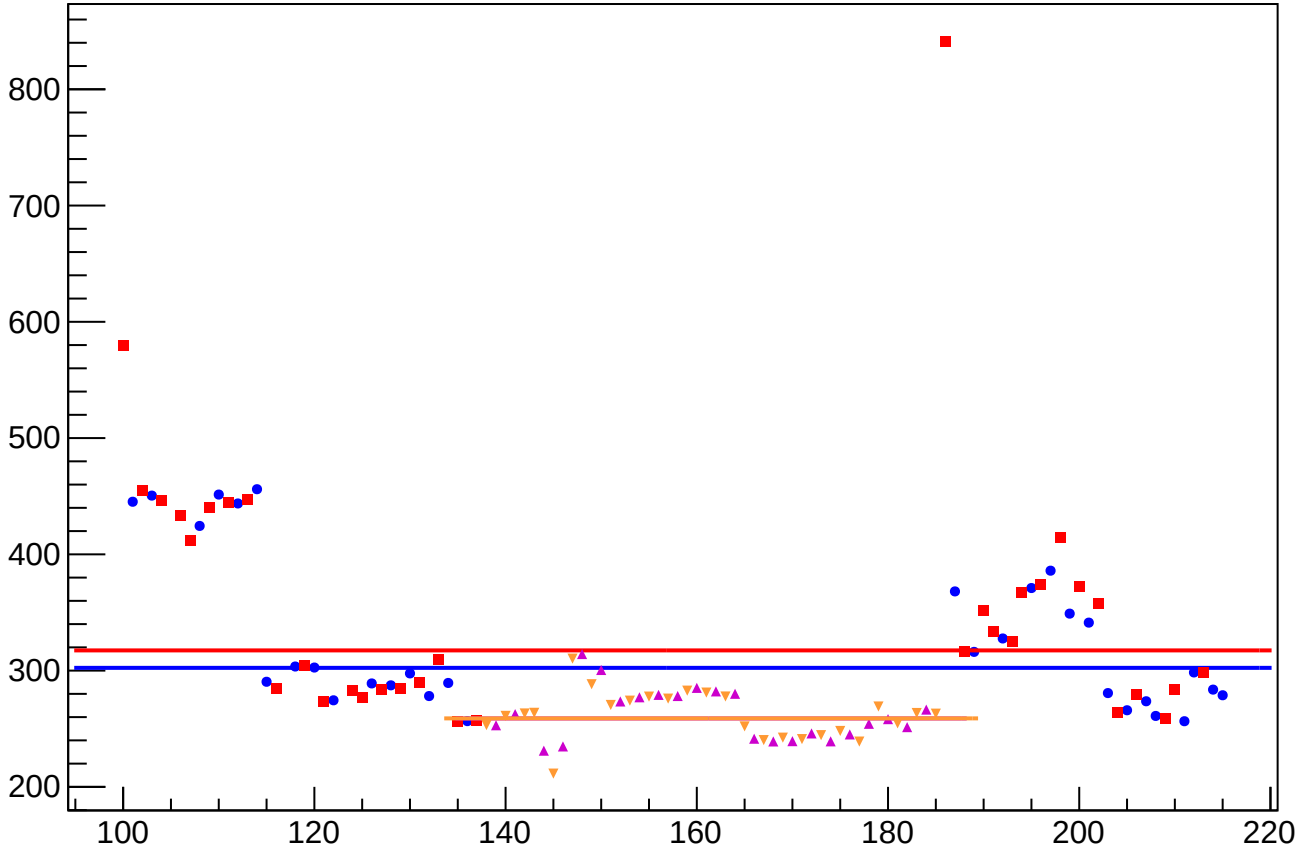
Right: 54.530+/-51.012 χ^2/NDF: 76.6/64

In: -65.122+/-45.862 χ^2/NDF:55.1/53

Out: -158.458+/-46.268 χ^2/NDF:104.6/58

All: -111.378+/-32.572 χ^2/NDF: 161.8/112

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 302.374+/-0.049 χ^2/NDF: 1009167.7/30

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 317.383+/-0.053 χ^2/NDF: 1469306.7/33

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

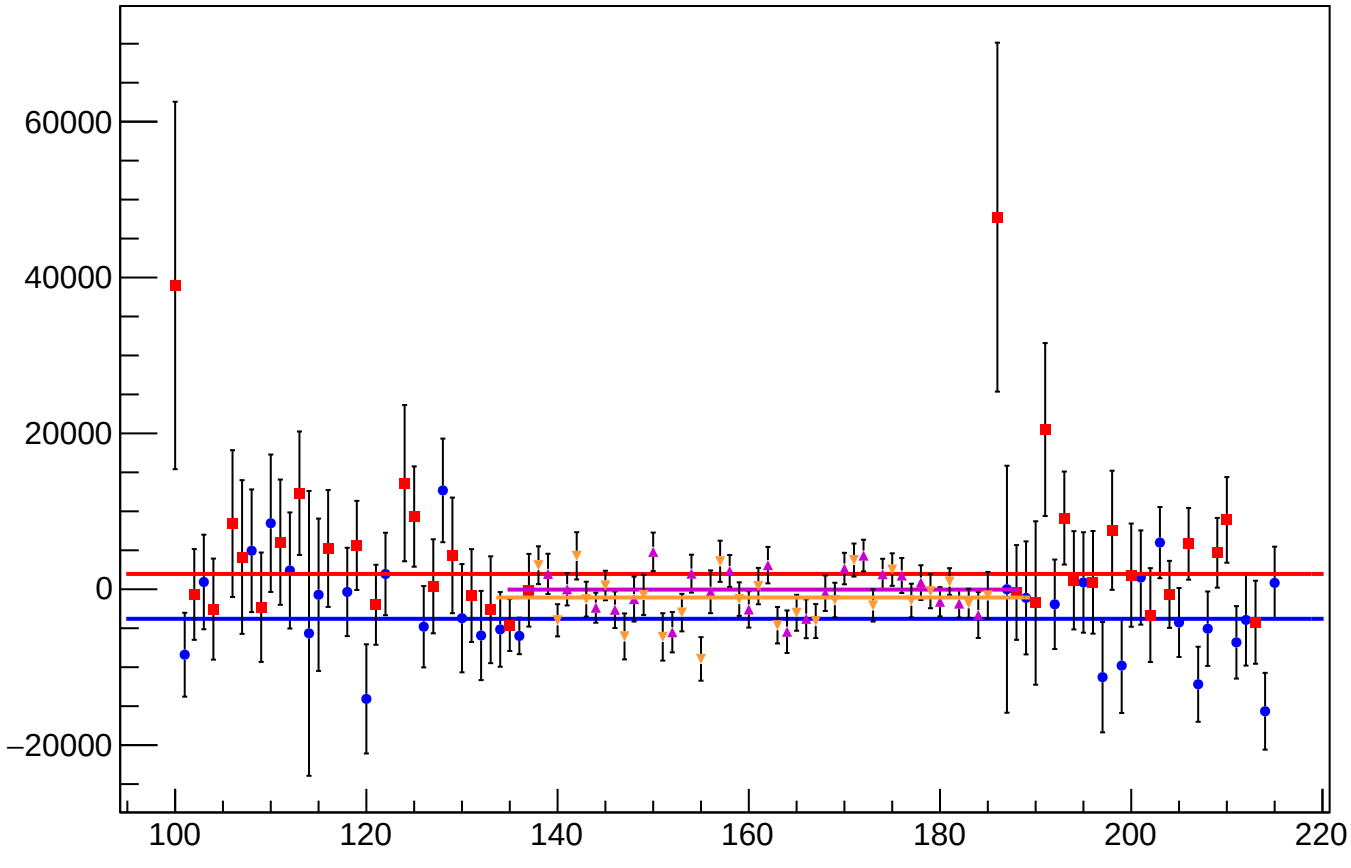
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 309.412+/-0.036 χ^2/NDF: 2521587.5/64

In: 277.531+/-0.032 χ^2/NDF:1695588.7/53

Out: 281.467+/-0.033 χ^2/NDF:2474855.3/58

All: 279.481+/-0.023 χ^2/NDF: 4177744.9/112



Right In: -3791.890+/-977.699 χ^2/NDF: 34.9/30

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1968.281+/-1060.217 χ^2/NDF: 29.2/33

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

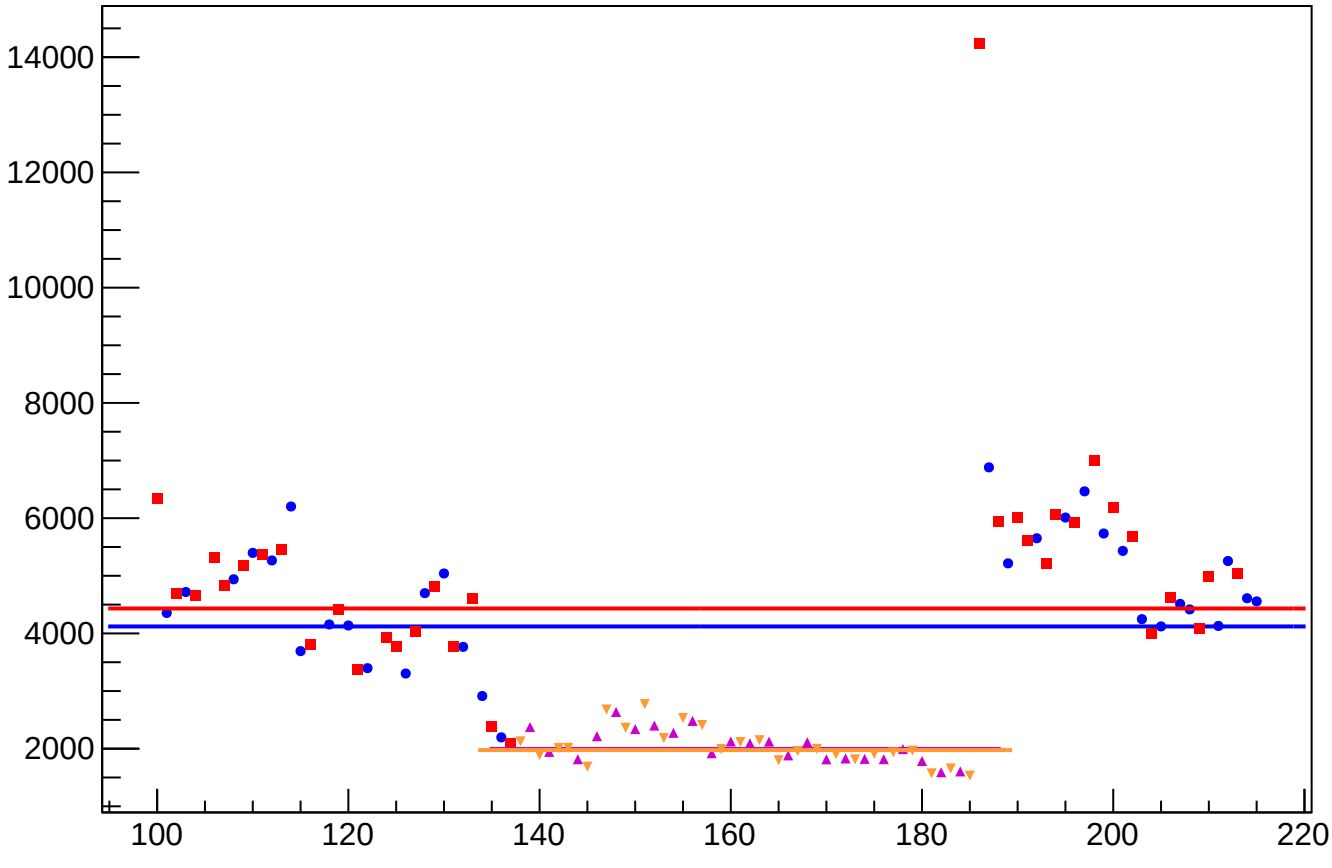
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1144.659+/-718.742 χ^2/NDF: 80.0/64

In: -749.517+/-424.109 χ^2/NDF:81.0/53

Out: -588.964+/-417.853 χ^2/NDF:77.6/58

All: -668.047+/-297.654 χ^2/NDF: 158.6/112



Right In: 4120.999+/-0.691 χ^2/NDF: 2792356.5/30

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4432.692+/-0.750 χ^2/NDF: 2931293.0/33

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

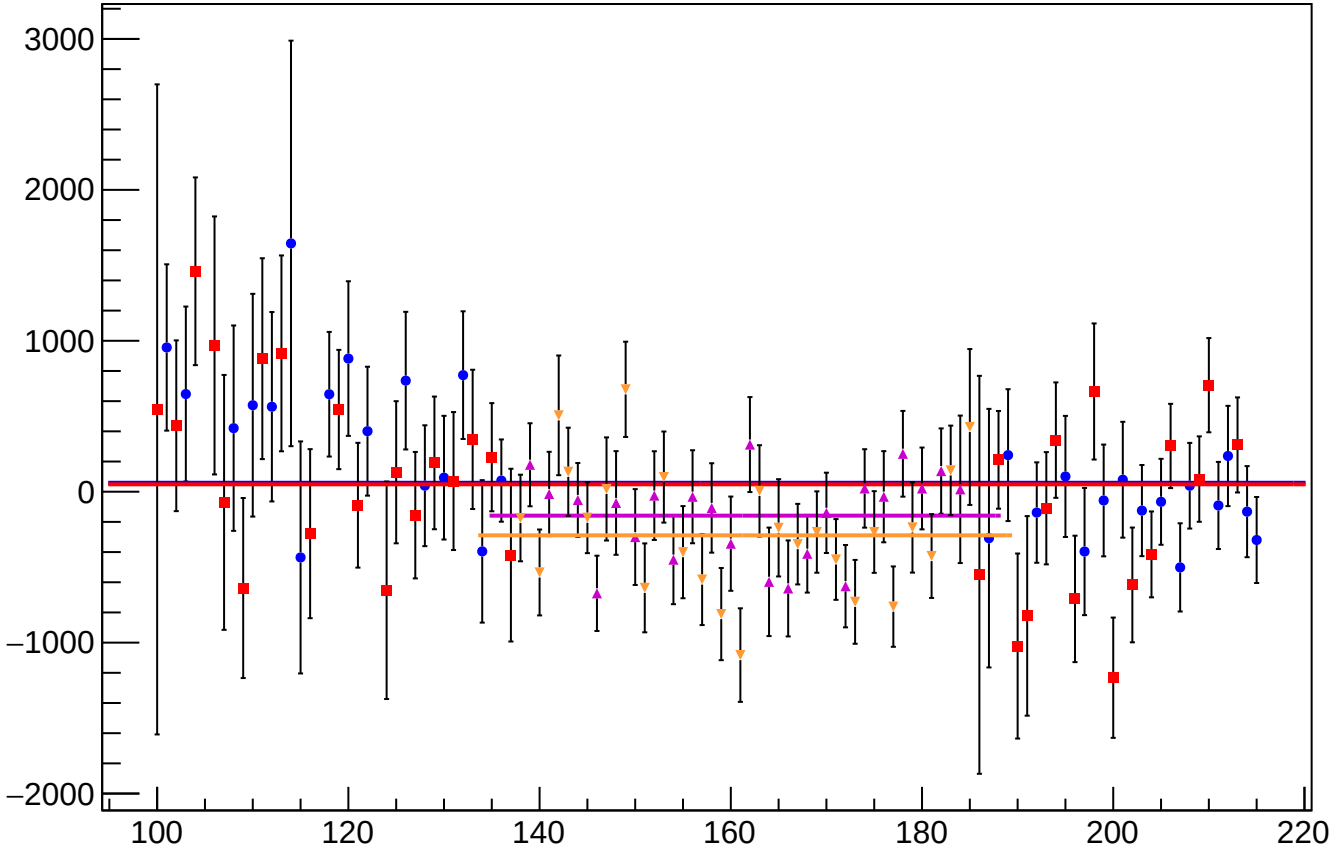
Right: 4264.245+/-0.508 χ^2/NDF: 5817067.5/64

In: 2394.849+/-0.300 χ^2/NDF:11071447.5/53

Out: 2357.572+/-0.295 χ^2/NDF:12765313.1/58

All: 2375.933+/-0.210 χ^2/NDF: 23844601.2/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 59.129+/-69.996 χ^2/NDF: 27.1/30

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 48.972+/-74.499 χ^2/NDF: 49.4/33

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

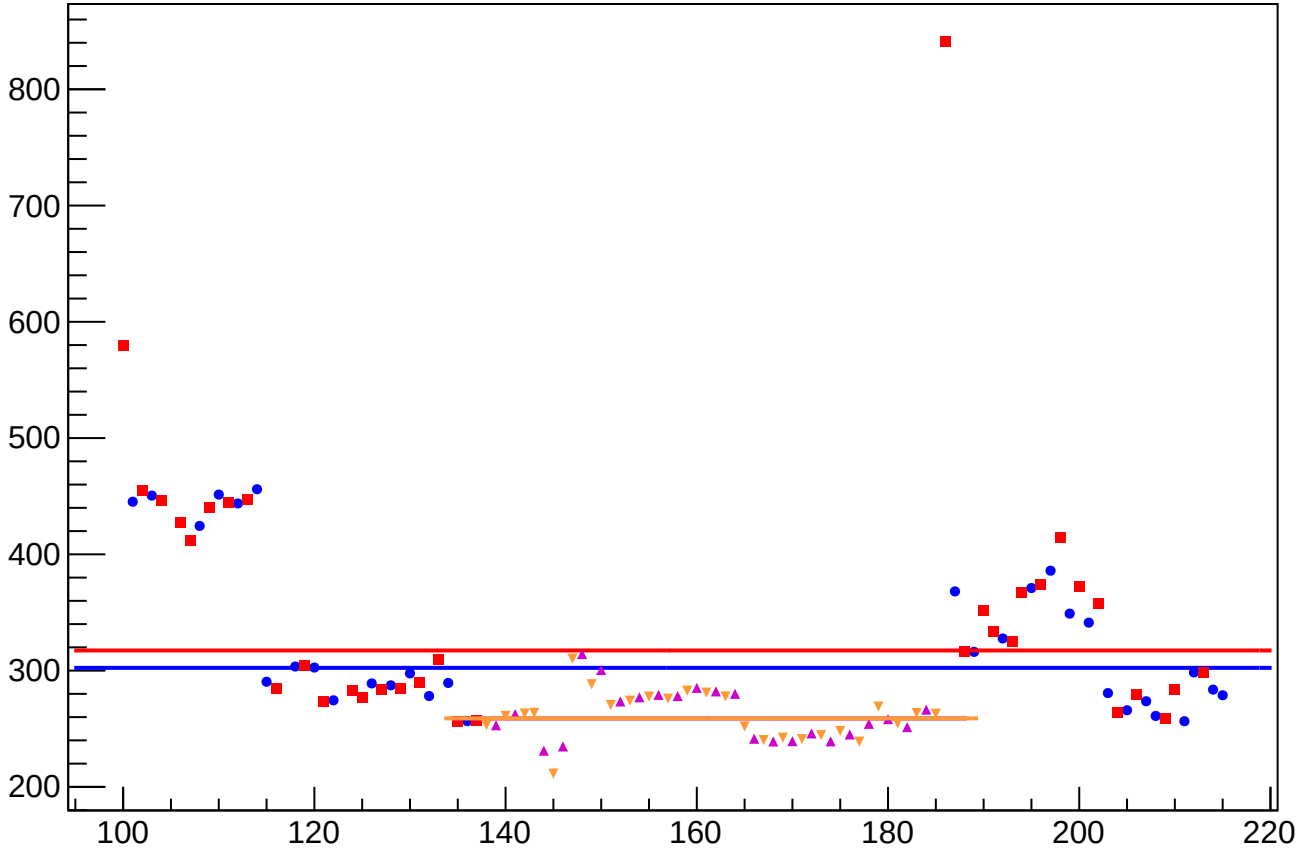
Right: 54.367+/-51.012 χ^2/NDF: 76.5/64

In: -65.138+/-45.862 χ^2/NDF:55.1/53

Out: -158.591+/-46.269 χ^2/NDF:104.5/58

All: -111.451+/-32.572 χ^2/NDF: 161.7/112

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 302.374+/-0.049 χ^2/NDF: 1009169.2/30

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 317.326+/-0.053 χ^2/NDF: 1465043.7/33

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

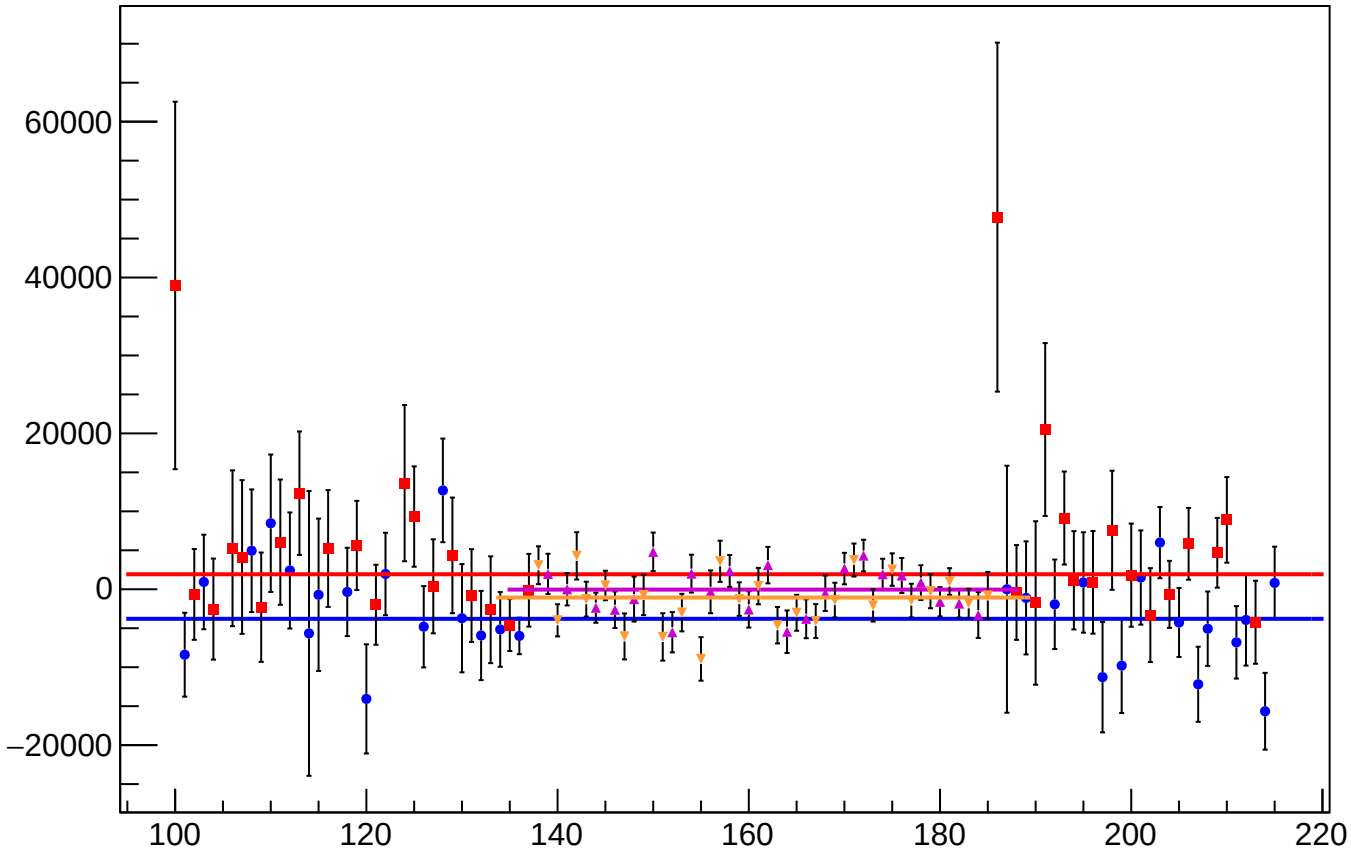
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 309.384+/-0.036 χ^2/NDF: 2516997.0/64

In: 277.531+/-0.032 χ^2/NDF:1695590.3/53

Out: 281.444+/-0.033 χ^2/NDF:2469082.3/58

All: 279.470+/-0.023 χ^2/NDF: 4171888.2/112



Right In: -3791.867+/-977.700 χ^2/NDF: 34.9/30

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1923.793+/-1060.985 χ^2/NDF: 28.8/33

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

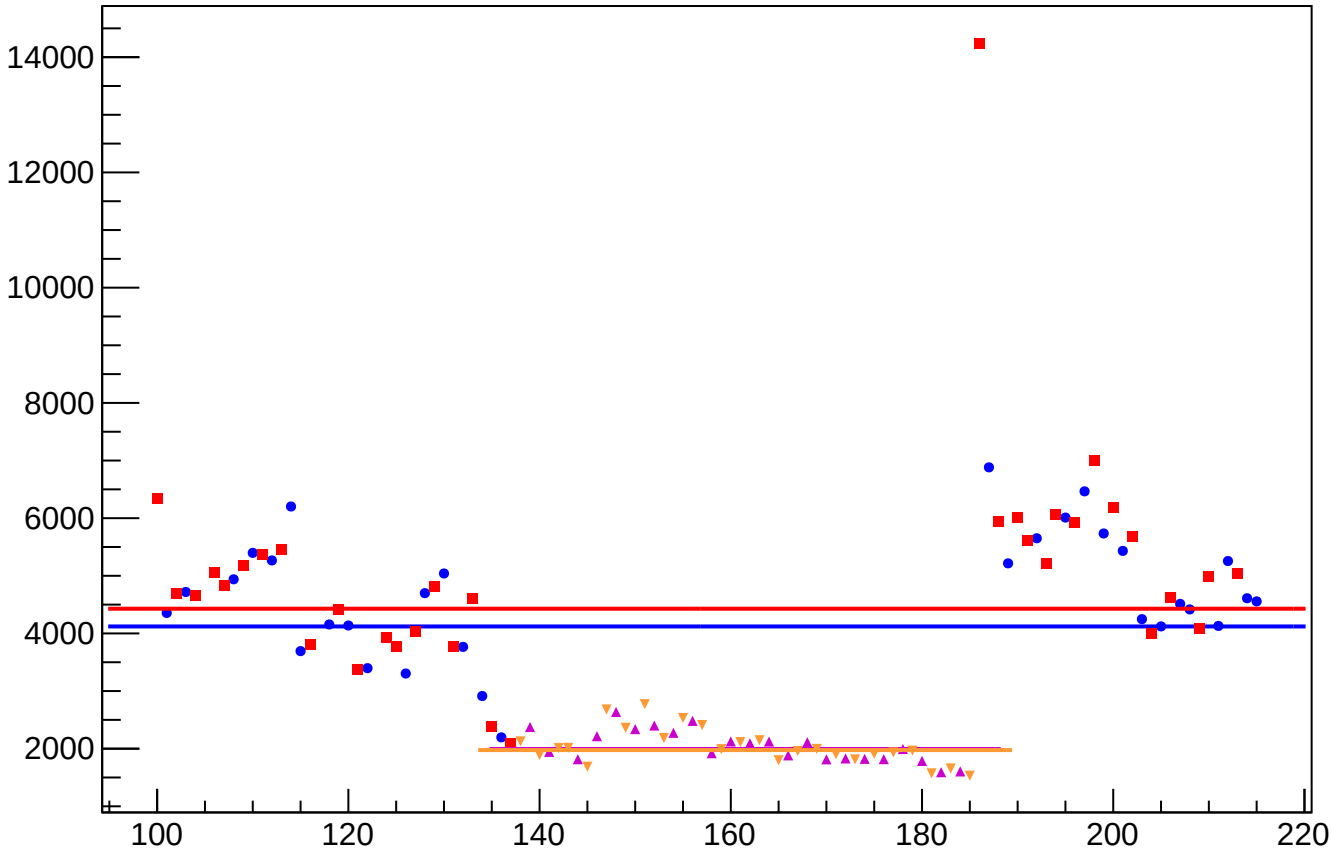
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1167.144+/-718.981 χ^2/NDF: 79.4/64

In: -749.508+/-424.109 χ^2/NDF:81.0/53

Out: -596.444+/-417.900 χ^2/NDF:77.0/58

All: -671.847+/-297.671 χ^2/NDF: 158.1/112



Right In: 4121.003+/-0.691 χ^2/NDF: 2792364.5/30

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4428.755+/-0.750 χ^2/NDF: 2921965.2/33

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

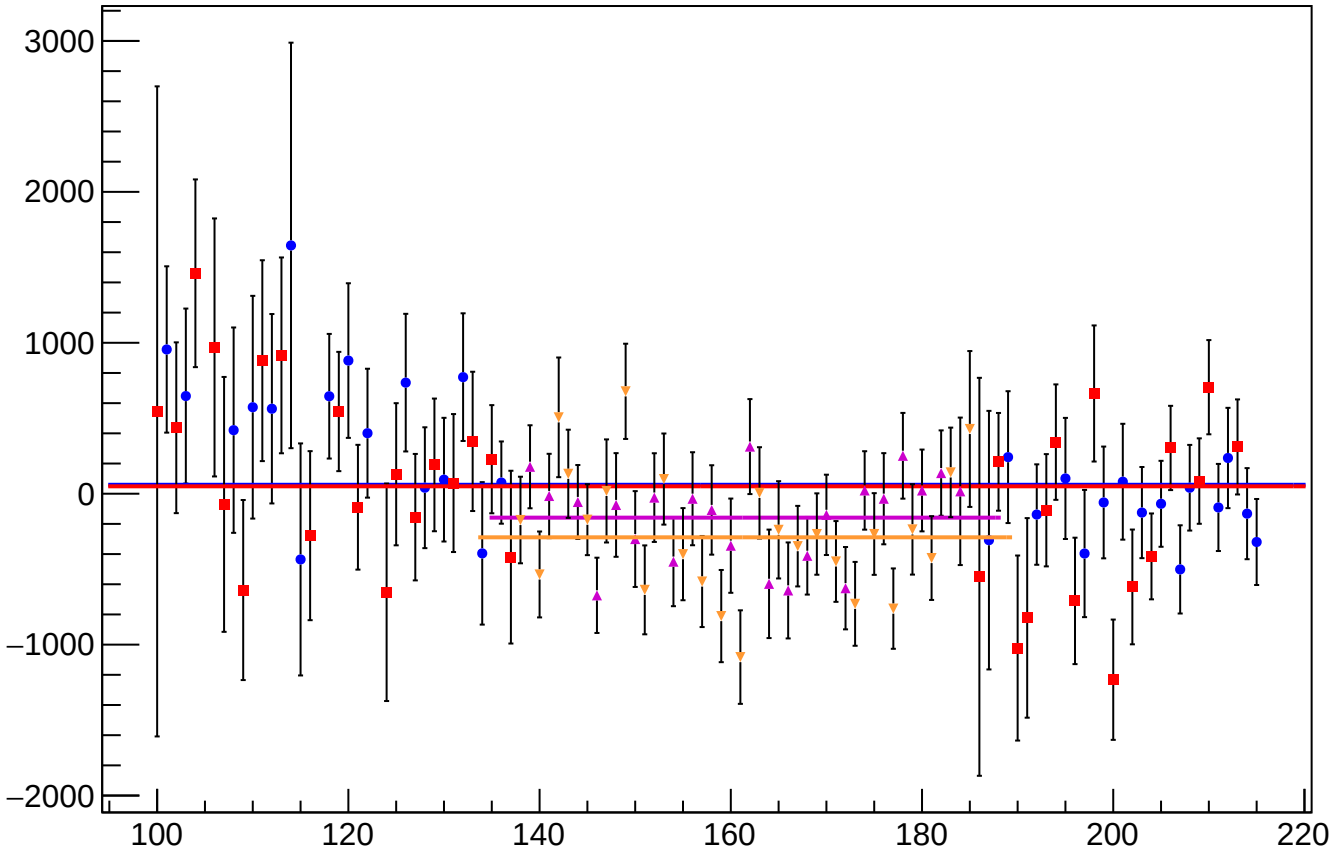
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

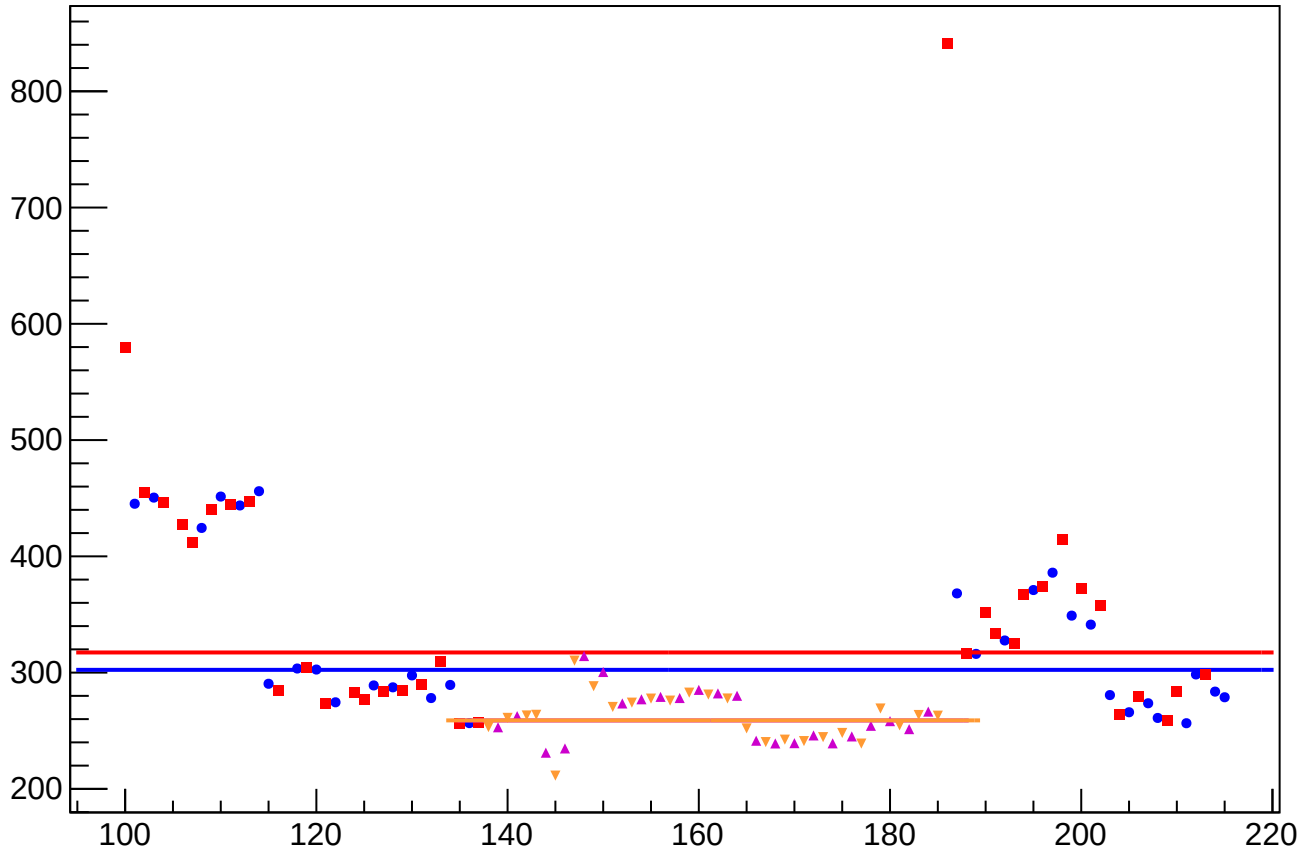
Right: 4262.327+/-0.508 χ^2/NDF: 5805329.0/64

In: 2394.850+/-0.300 χ^2/NDF:11071466.3/53

Out: 2356.494+/-0.295 χ^2/NDF:12715880.9/58

All: 2375.389+/-0.210 χ^2/NDF: 23795646.7/1


eigen_cor_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
120
140
160
180
200
220
Right In: 59.129+/-69.996 χ²/NDF: 27.1/30
Left Out: -288.928+/-59.035 χ²/NDF:42.4/24
Right Out: 48.972+/-74.499 χ²/NDF: 49.4/33
Left In: -158.612+/-60.708 χ²/NDF:22.5/22
Left: -225.590+/-42.323 χ²/NDF: 67.3/47
Right: 54.367+/-51.012 χ²/NDF: 76.5/64
In: -65.138+/-45.862 χ²/NDF:55.1/53
Out: -158.591+/-46.269 χ²/NDF:104.5/58
All: -111.451+/-32.572 χ²/NDF: 161.7/112



Right In: 302.374+/-0.049 χ^2/NDF: 1009169.2/30

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 317.326+/-0.053 χ^2/NDF: 1465043.7/33

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

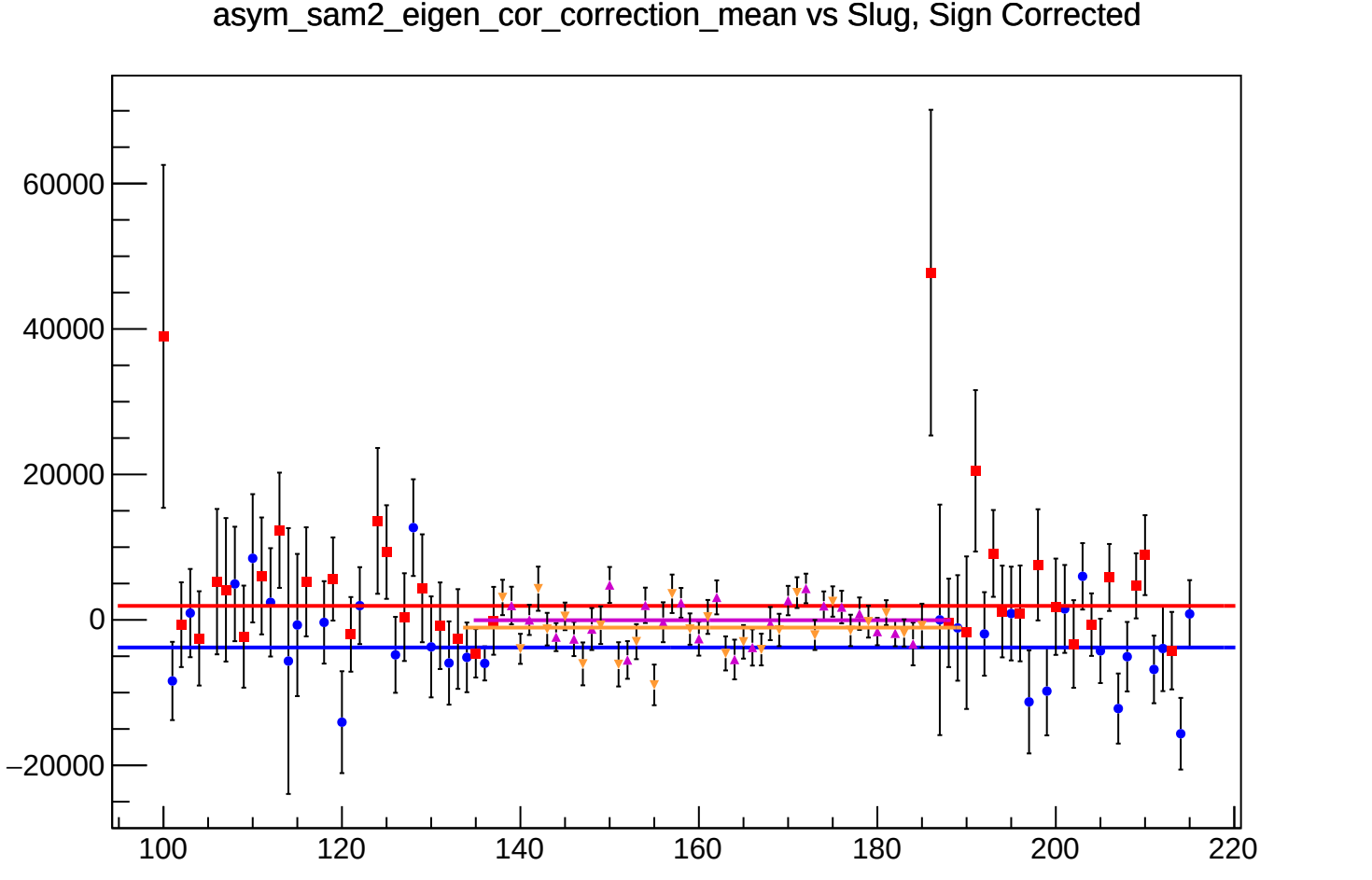
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

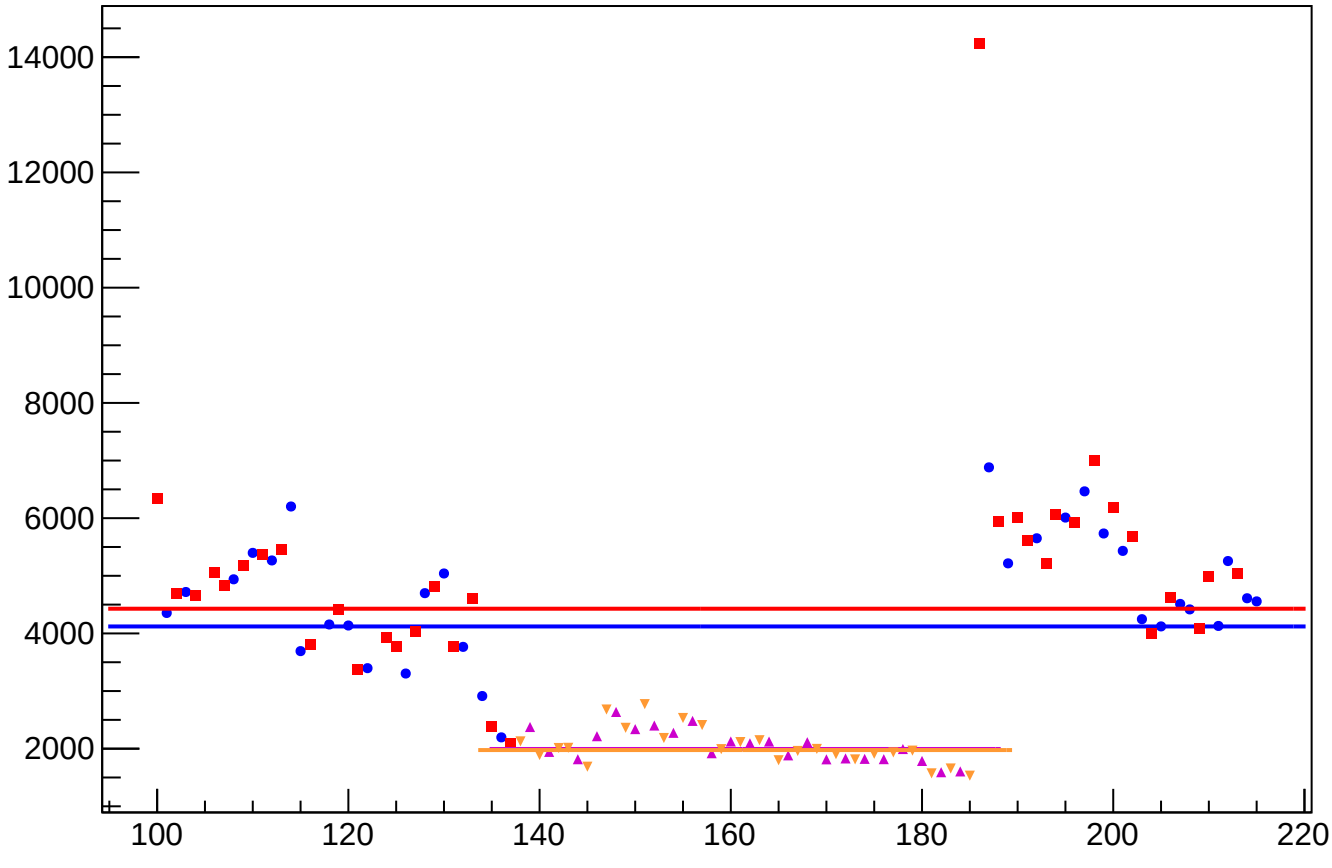
Right: 309.384+/-0.036 χ^2/NDF: 2516997.0/64

In: 277.531+/-0.032 χ^2/NDF:1695590.3/53

Out: 281.444+/-0.033 χ^2/NDF:2469082.3/58

All: 279.470+/-0.023 χ^2/NDF: 4171888.2/112


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
220
Right In: -3791.867+/-977.700 χ²/NDF: 34.9/30
Left Out: -1059.232+/-454.653 χ²/NDF:41.5/24
Right Out: 1923.793+/-1060.985 χ²/NDF: 28.8/33
Left In: -44.348+/-470.700 χ²/NDF:34.2/22
Left: -569.385+/-327.014 χ²/NDF: 78.1/47
Right: -1167.144+/-718.981 χ²/NDF: 79.4/64
In: -749.508+/-424.109 χ²/NDF:81.0/53
Out: -596.444+/-417.900 χ²/NDF:77.0/58
All: -671.847+/-297.671 χ²/NDF: 158.1/112



Right In: 4121.003+/-0.691 χ^2/NDF: 2792364.5/30

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4428.755+/-0.750 χ^2/NDF: 2921965.2/33

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

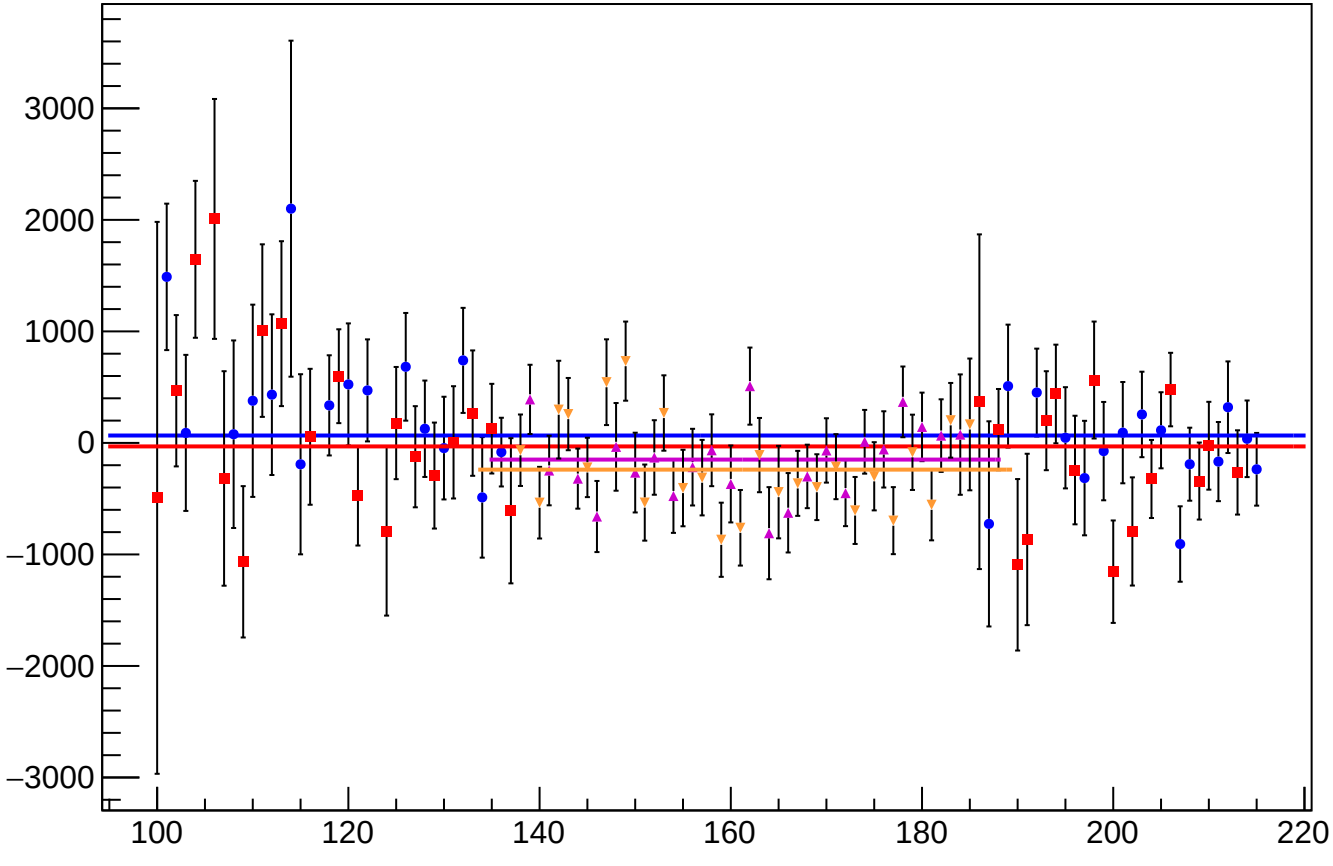
Right: 4262.327+/-0.508 χ^2/NDF: 5805329.0/64

In: 2394.850+/-0.300 χ^2/NDF:11071466.3/53

Out: 2356.494+/-0.295 χ^2/NDF:12715880.9/58

All: 2375.389+/-0.210 χ^2/NDF: 23795646.7/1

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 66.307+/-81.184 χ^2/NDF: 27.7/30

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -31.450+/-86.506 χ^2/NDF: 41.2/33

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

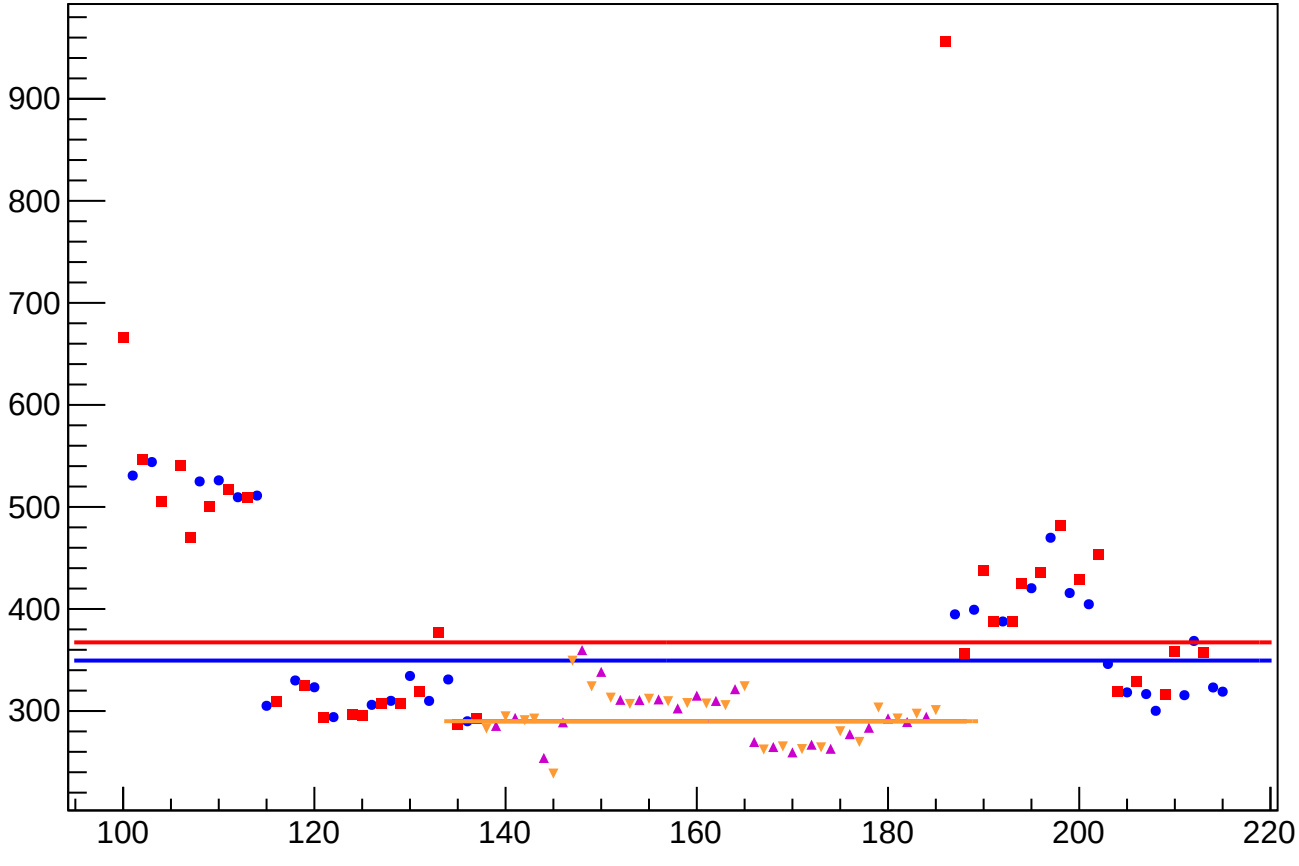
Right: 20.528+/-59.198 χ^2/NDF: 69.7/64

In: -60.285+/-52.201 χ^2/NDF:53.6/53

Out: -162.739+/-52.556 χ^2/NDF:78.9/58

All: -111.165+/-37.037 χ^2/NDF: 134.4/112

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 349.449+/-0.057 χ^2/NDF: 1176214.0/30

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 367.280+/-0.061 χ^2/NDF: 1600129.5/33

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

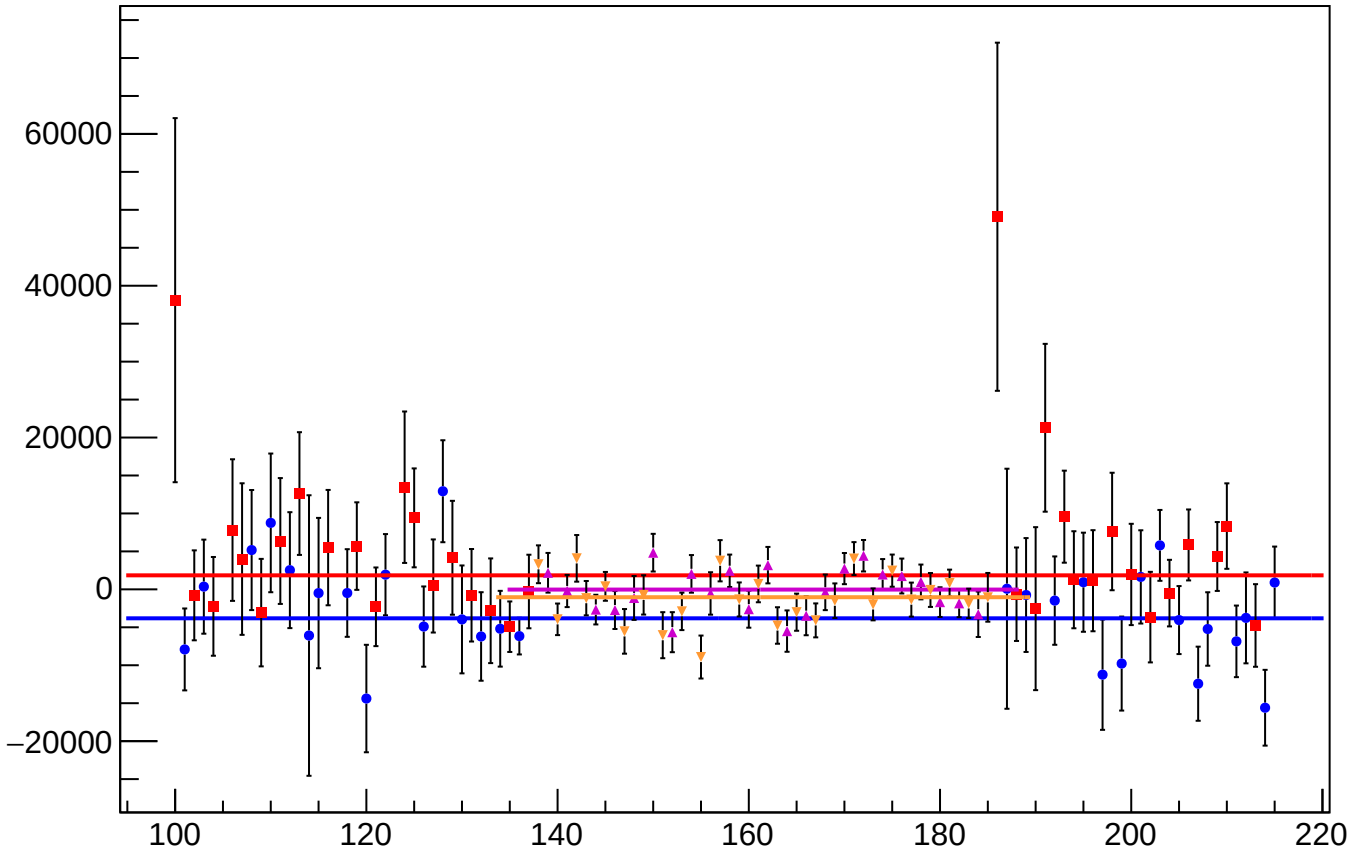
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 357.799+/-0.042 χ^2/NDF: 2821524.7/64

In: 314.545+/-0.037 χ^2/NDF:2076183.9/53

Out: 318.539+/-0.037 χ^2/NDF:2887184.2/58

All: 316.528+/-0.026 χ^2/NDF: 4969183.3/112



Right In: -3816.203+/-996.951 χ^2/NDF: 34.3/30

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1845.601+/-1074.006 χ^2/NDF: 29.9/33

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

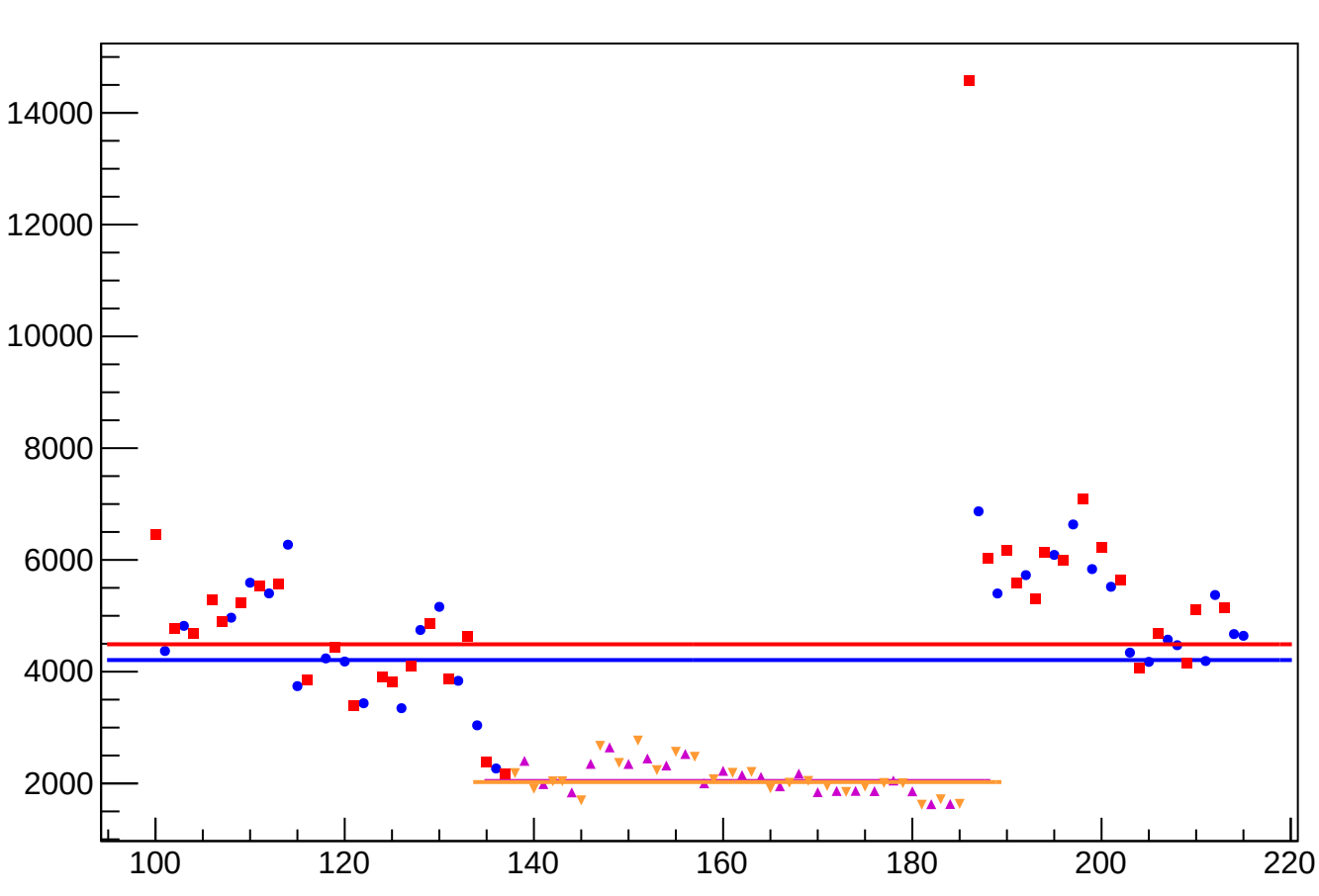
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -1195.672+/-730.675 χ^2/NDF: 79.1/64

In: -748.333+/-434.149 χ^2/NDF:80.1/53

Out: -581.072+/-426.972 χ^2/NDF:76.2/58

All: -663.309+/-304.420 χ^2/NDF: 156.4/112



Right In: 4208.341+/-0.705 χ^2/NDF: 2703957.1/30

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4490.053+/-0.759 χ^2/NDF: 2926090.8/33

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

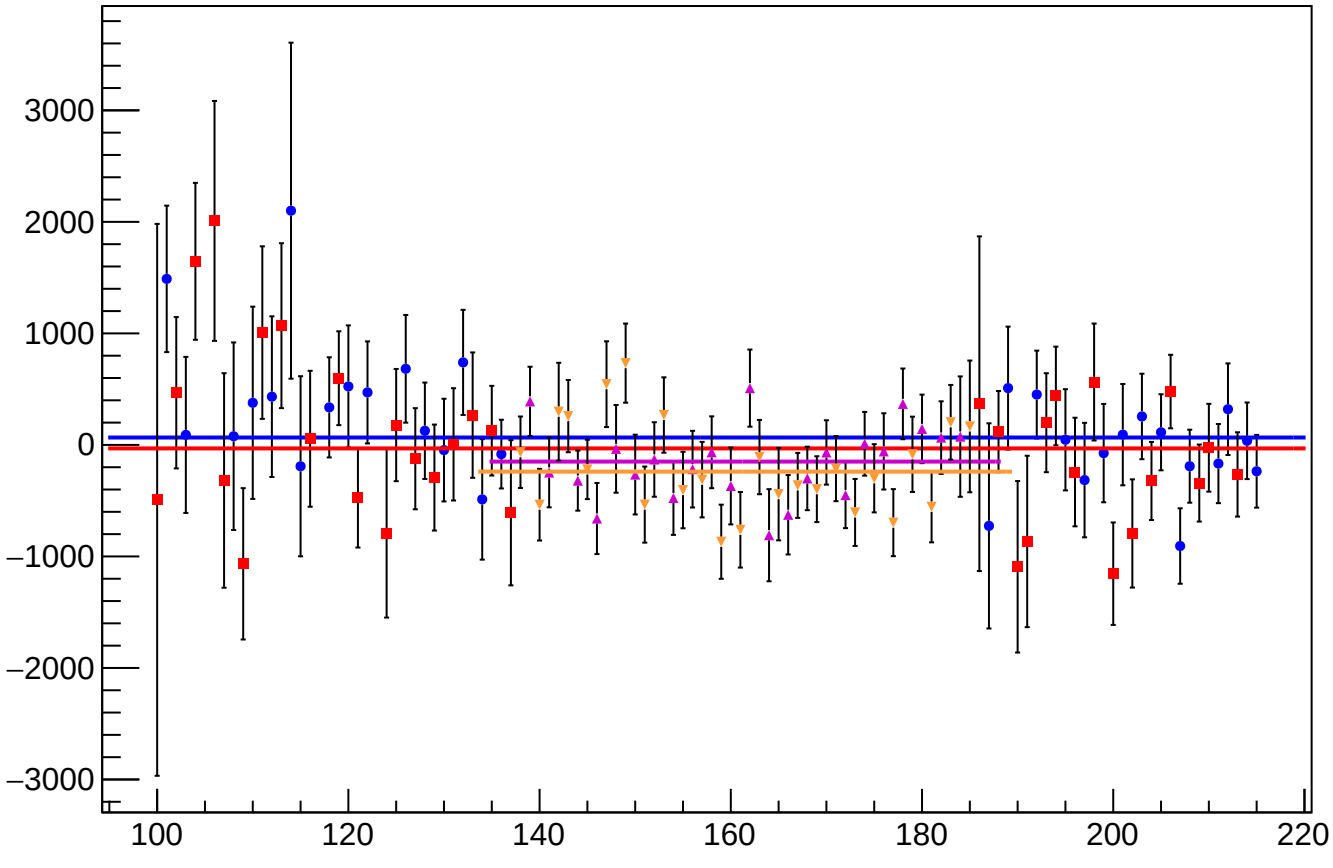
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4338.729+/-0.517 χ^2/NDF: 5703962.2/64

In: 2454.869+/-0.307 χ^2/NDF:10923748.6/53

Out: 2414.664+/-0.302 χ^2/NDF:12496979.4/58

All: 2434.431+/-0.215 χ^2/NDF: 23429446.5/



Right In: 66.314+/-81.184 χ^2/NDF: 27.7/30

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -31.449+/-86.506 χ^2/NDF: 41.2/33

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

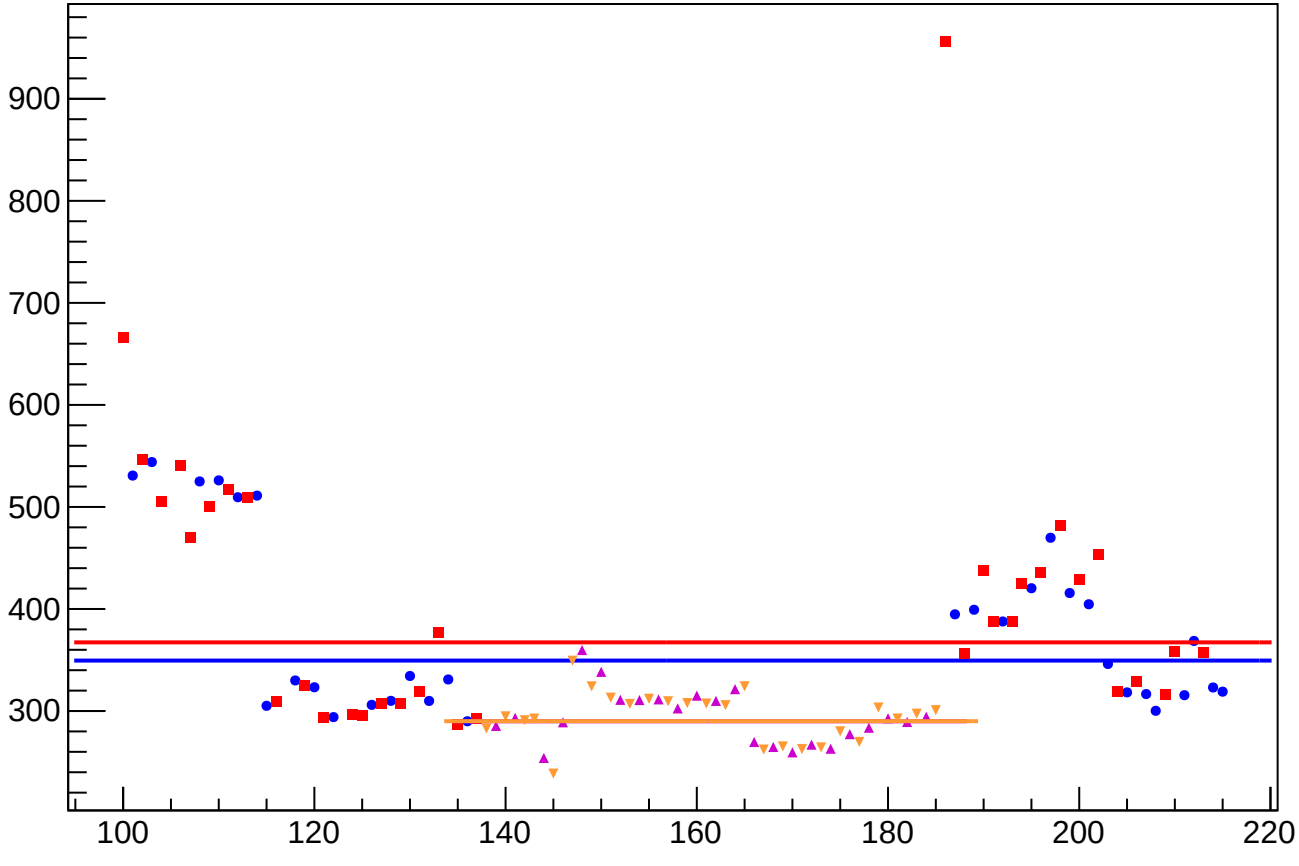
Right: 20.532+/-59.198 χ^2/NDF: 69.7/64

In: -60.282+/-52.201 χ^2/NDF:53.6/53

Out: -162.741+/-52.556 χ^2/NDF:78.9/58

All: -111.165+/-37.037 χ^2/NDF: 134.4/112

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 349.449+/-0.057 χ^2/NDF: 1176209.0/30

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 367.280+/-0.061 χ^2/NDF: 1600119.0/33

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

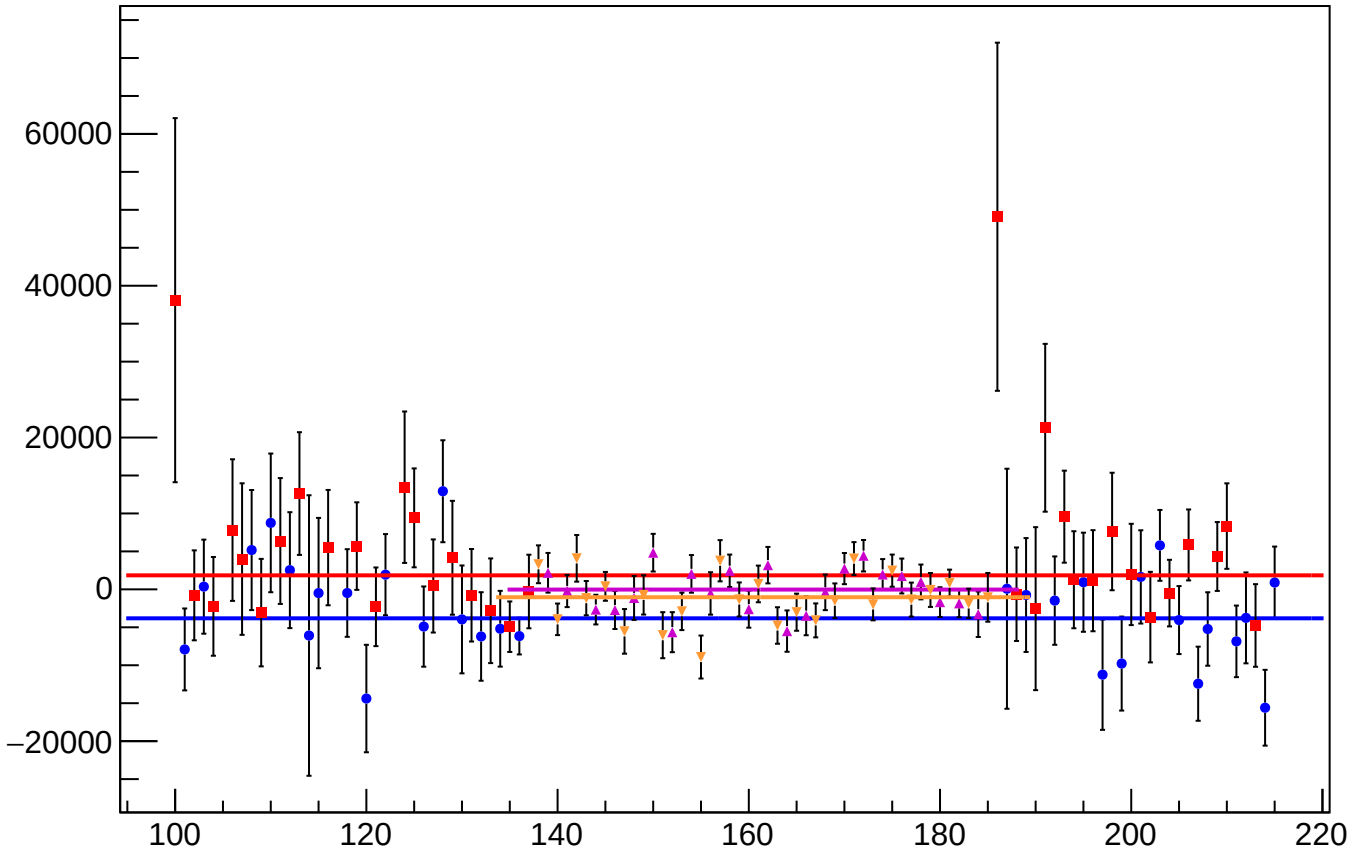
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 357.799+/-0.042 χ^2/NDF: 2821511.1/64

In: 314.544+/-0.037 χ^2/NDF:2076168.3/53

Out: 318.539+/-0.037 χ^2/NDF:2887169.8/58

All: 316.528+/-0.026 χ^2/NDF: 4969154.0/112



Right In: -3816.199+/-996.951 χ^2/NDF: 34.3/30

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1845.601+/-1074.006 χ^2/NDF: 29.9/33

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

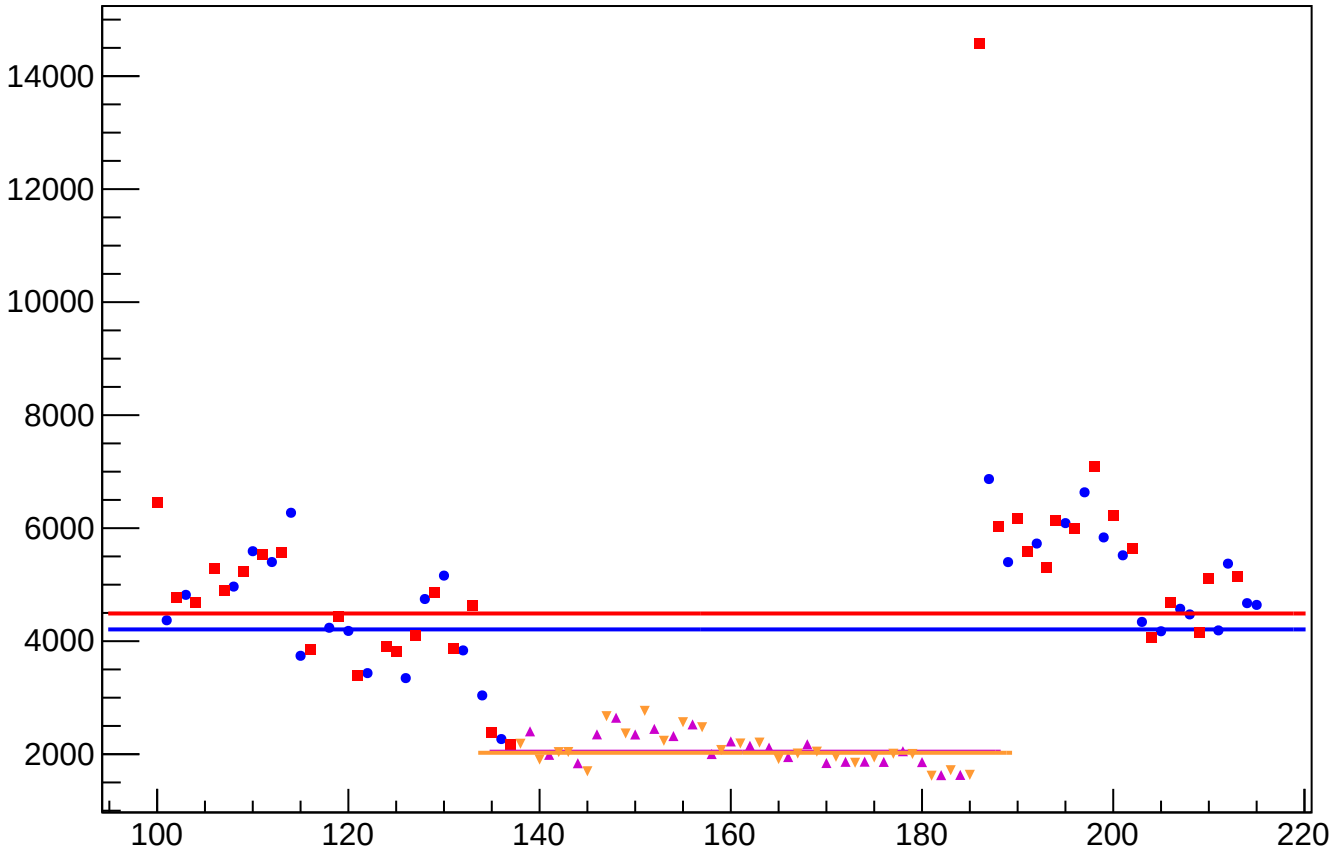
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1195.669+/-730.674 χ^2/NDF: 79.1/64

In: -748.332+/-434.149 χ^2/NDF:80.1/53

Out: -581.070+/-426.972 χ^2/NDF:76.2/58

All: -663.307+/-304.420 χ^2/NDF: 156.4/112



Right In: 4208.339+/-0.705 χ^2/NDF: 2703949.8/30

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4490.050+/-0.759 χ^2/NDF: 2926086.5/33

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

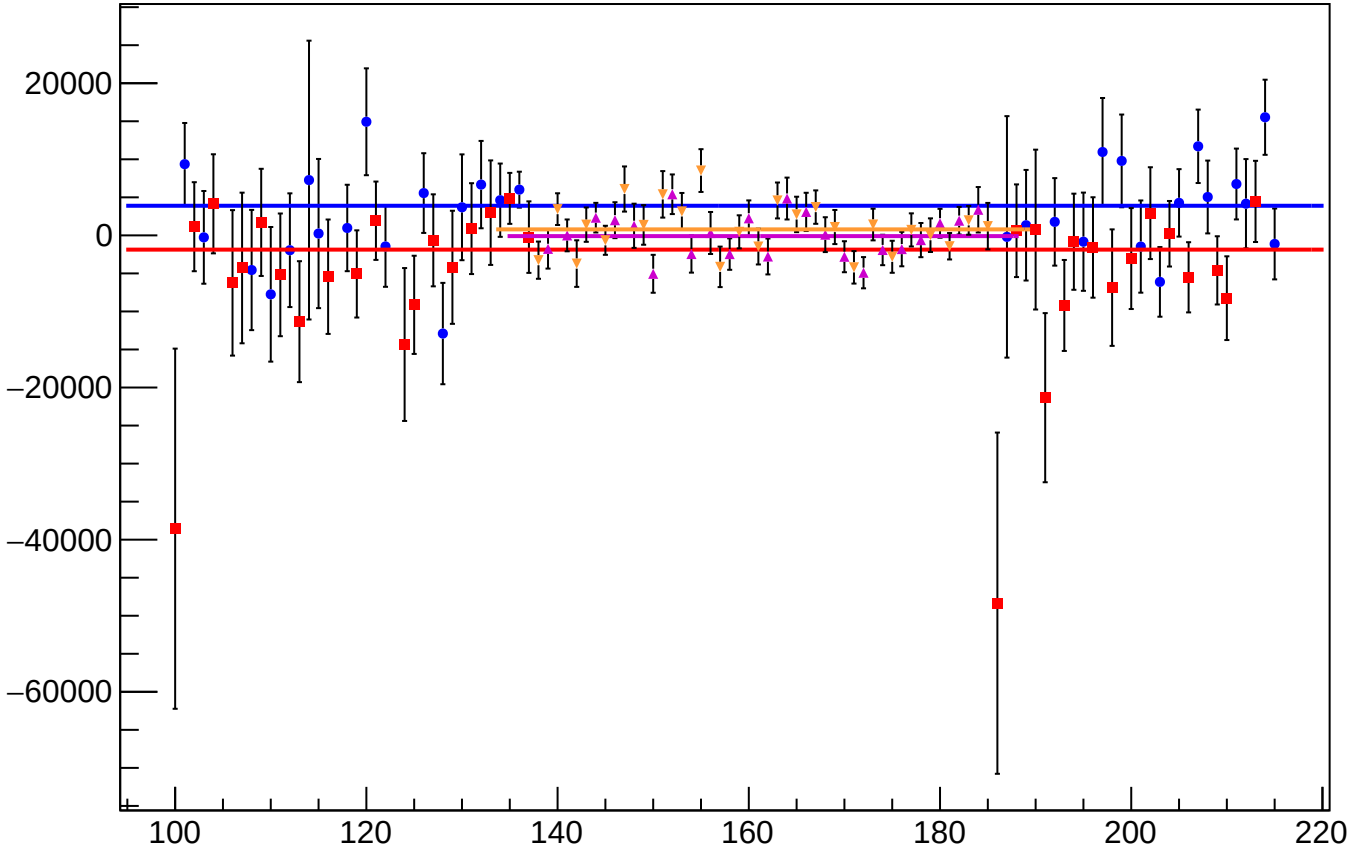
Right: 4338.727+/-0.517 χ^2/NDF: 5703950.5/64

In: 2454.868+/-0.307 χ^2/NDF:10923739.5/53

Out: 2414.665+/-0.302 χ^2/NDF:12496967.7/58

All: 2434.432+/-0.215 χ^2/NDF: 23429425.5/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3893.231+/-981.079 χ^2/NDF: 34.5/30

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1872.347+/-1063.662 χ^2/NDF: 28.7/33

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

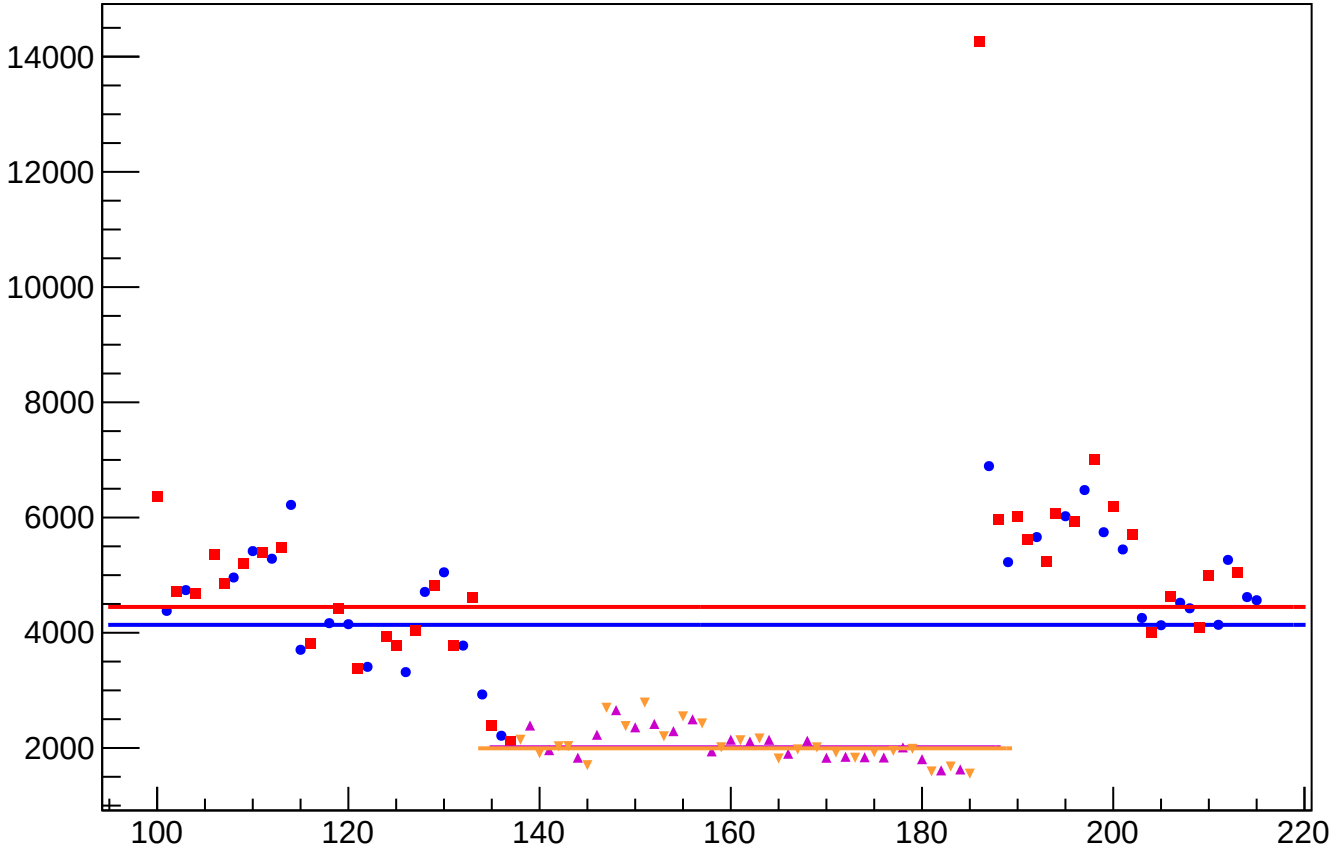
Right: 1242.923+/-721.158 χ^2/NDF: 79.2/64

In: 660.502+/-427.400 χ^2/NDF:80.8/53

Out: 371.060+/-421.223 χ^2/NDF:75.3/58

All: 513.675+/-300.009 χ^2/NDF: 156.3/112

asym_sam2_rms vs Slug, Sign Corrected



Right In: 4137.254+/-0.694 χ^2/NDF: 2759582.5/30

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4448.184+/-0.752 χ^2/NDF: 2908790.2/33

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

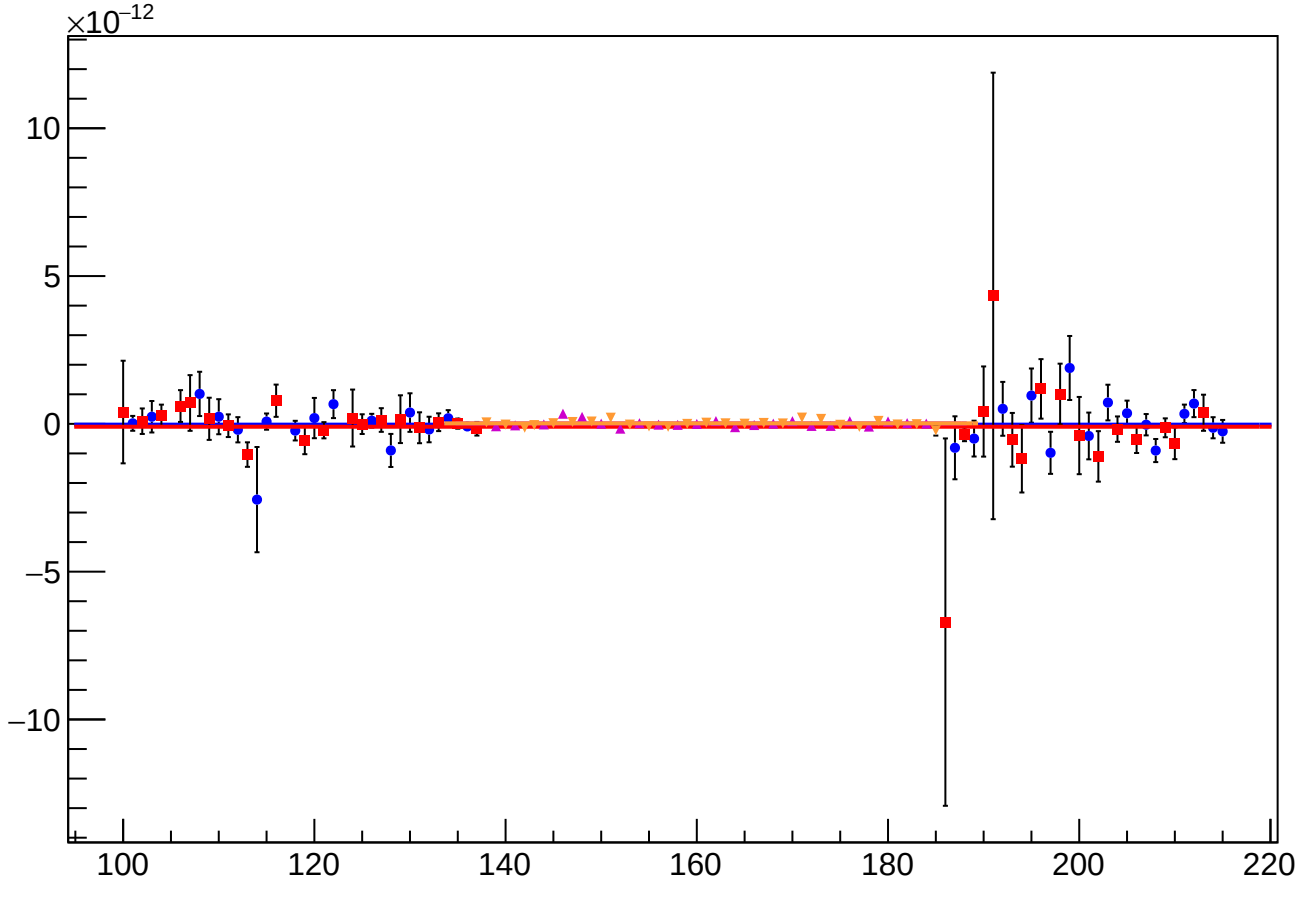
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4280.182+/-0.510 χ^2/NDF: 5760714.8/64

In: 2415.900+/-0.302 χ^2/NDF:10945938.7/53

Out: 2379.086+/-0.298 χ^2/NDF:12630972.9/58

All: 2397.225+/-0.212 χ^2/NDF: 23584439.1/1



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/33

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

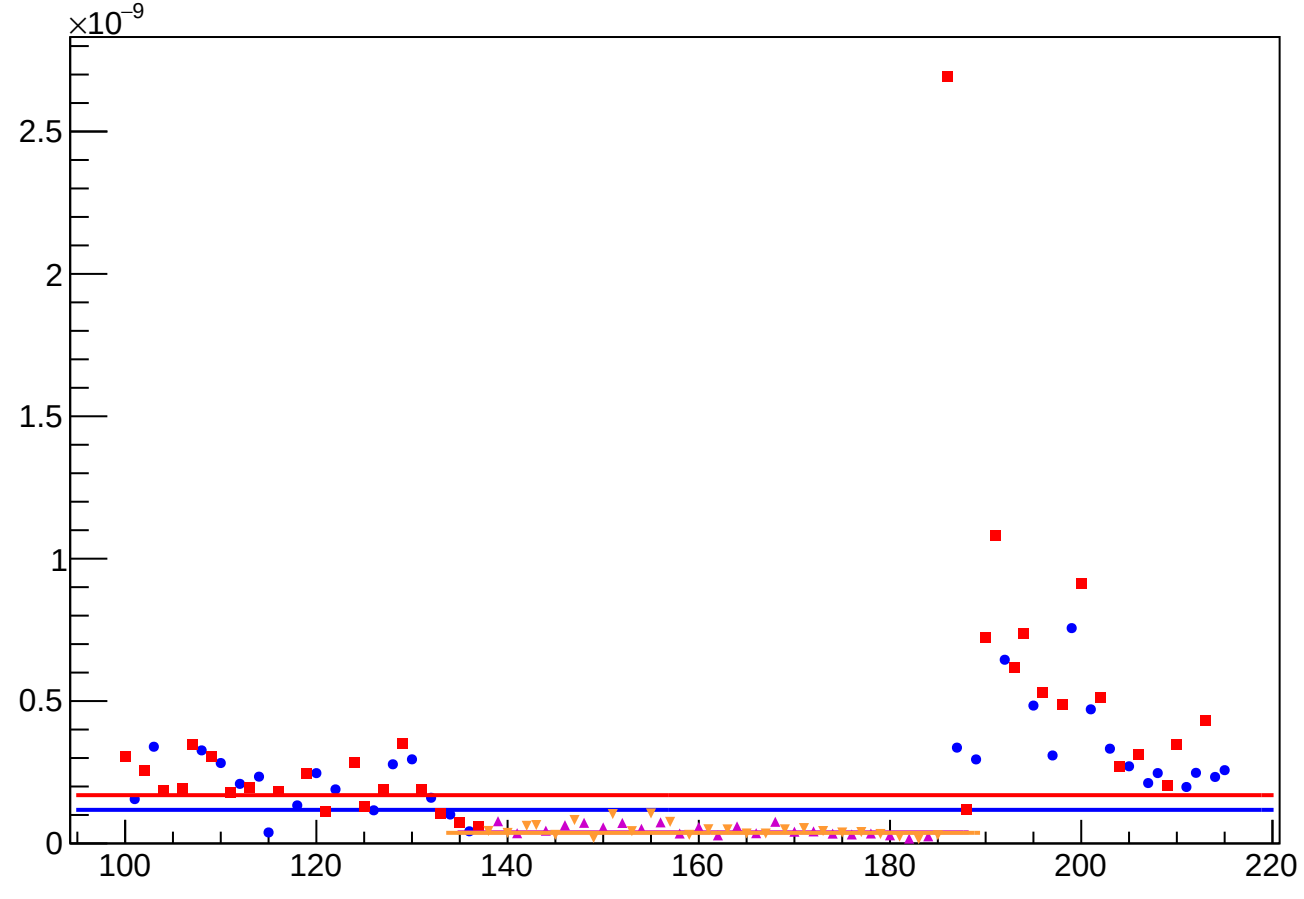
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.8/64

In: 0.000+/-0.000 χ^2/NDF:62.5/53

Out: 0.000+/-0.000 χ^2/NDF:48.5/58

All: 0.000+/-0.000 χ^2/NDF: 111.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 7476706.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5754569.9/33

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

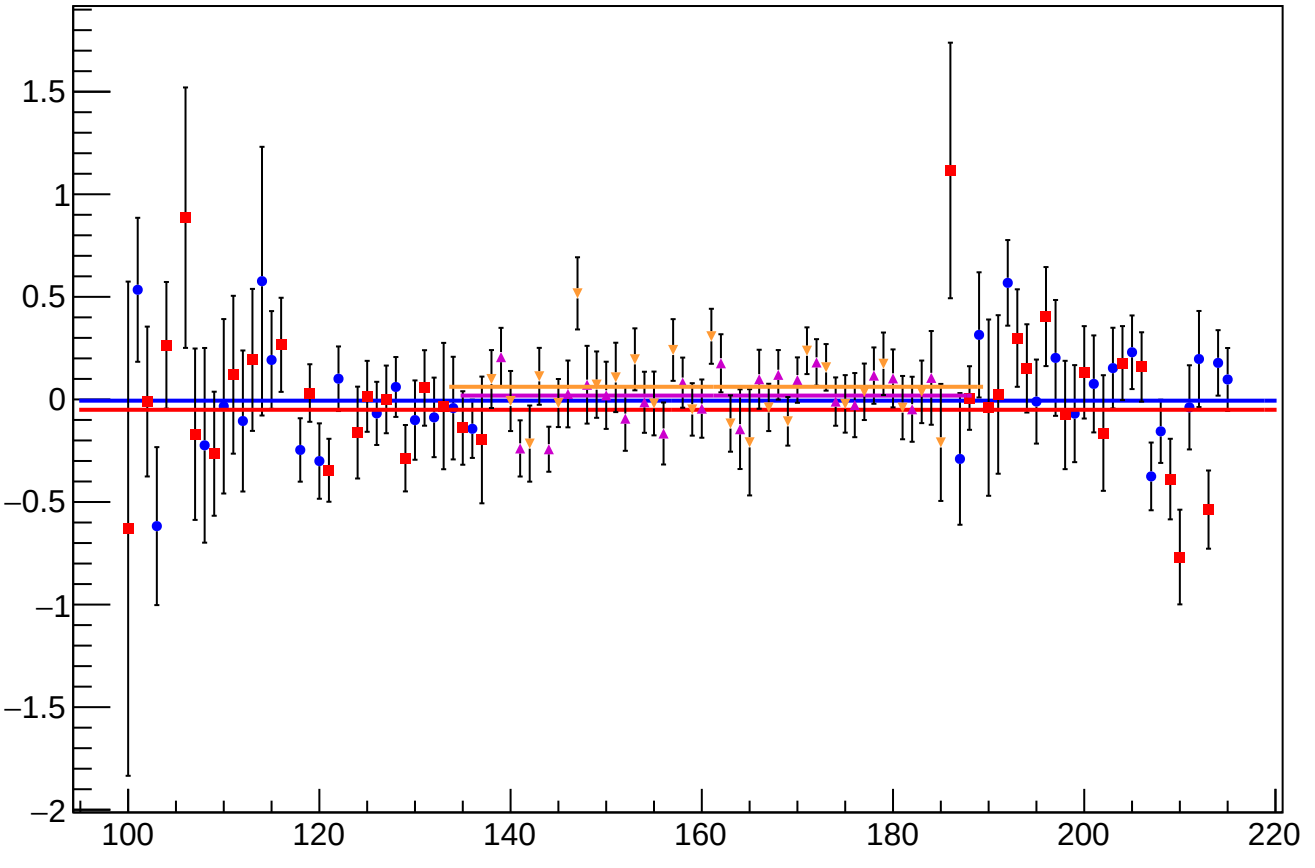
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13876388.7/64

In: 0.000+/-0.000 χ^2/NDF:13216358.5/53

Out: 0.000+/-0.000 χ^2/NDF:14439124.8/58

All: 0.000+/-0.000 χ^2/NDF: 27686032.5/112



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.051+/-0.039 χ^2/NDF: 47.5/33

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

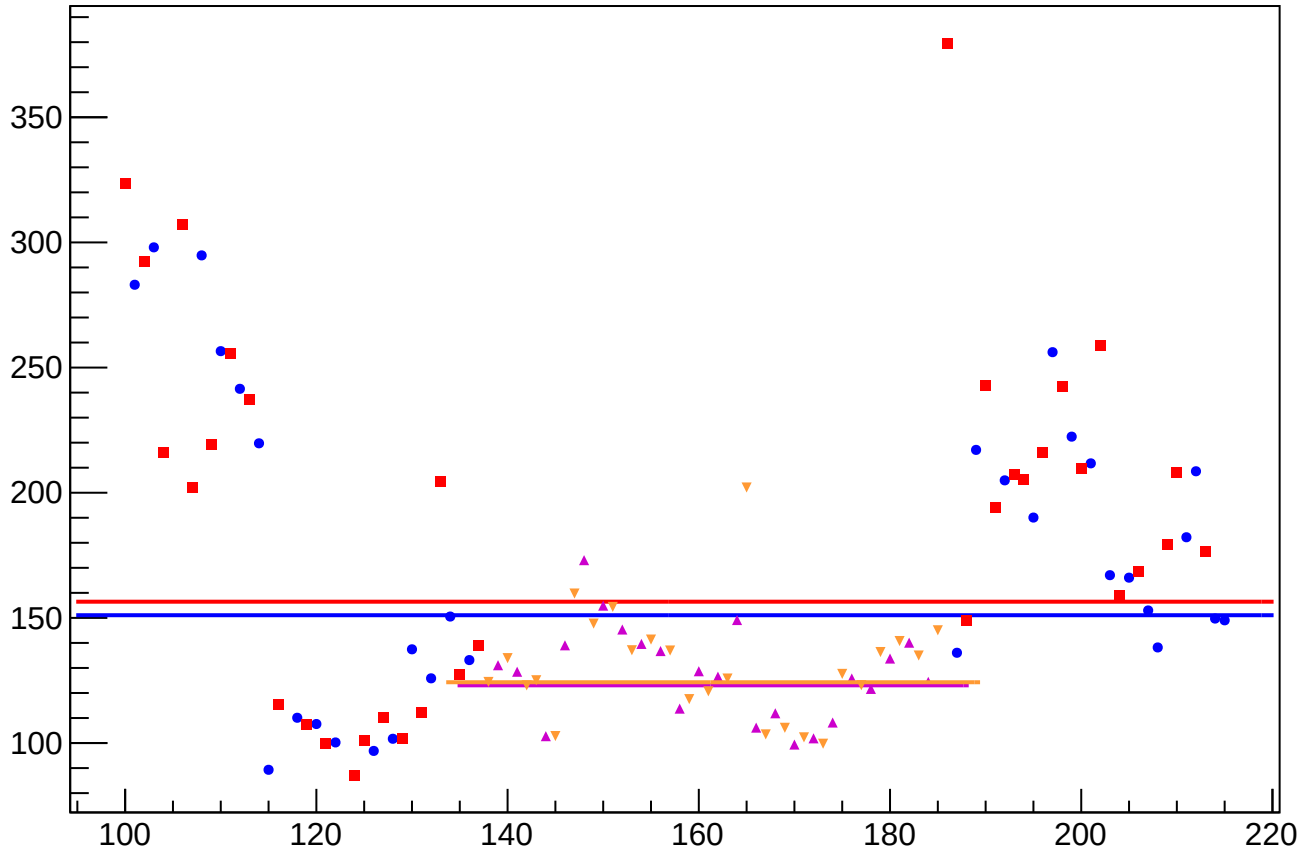
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.027 χ^2/NDF: 83.1/64

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.015+/-0.016 χ^2/NDF: 136.0/112



Right In: 151.070+/-0.026 χ^2/NDF: 3292552.9/30

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 156.470+/-0.027 χ^2/NDF: 3864152.1/33

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

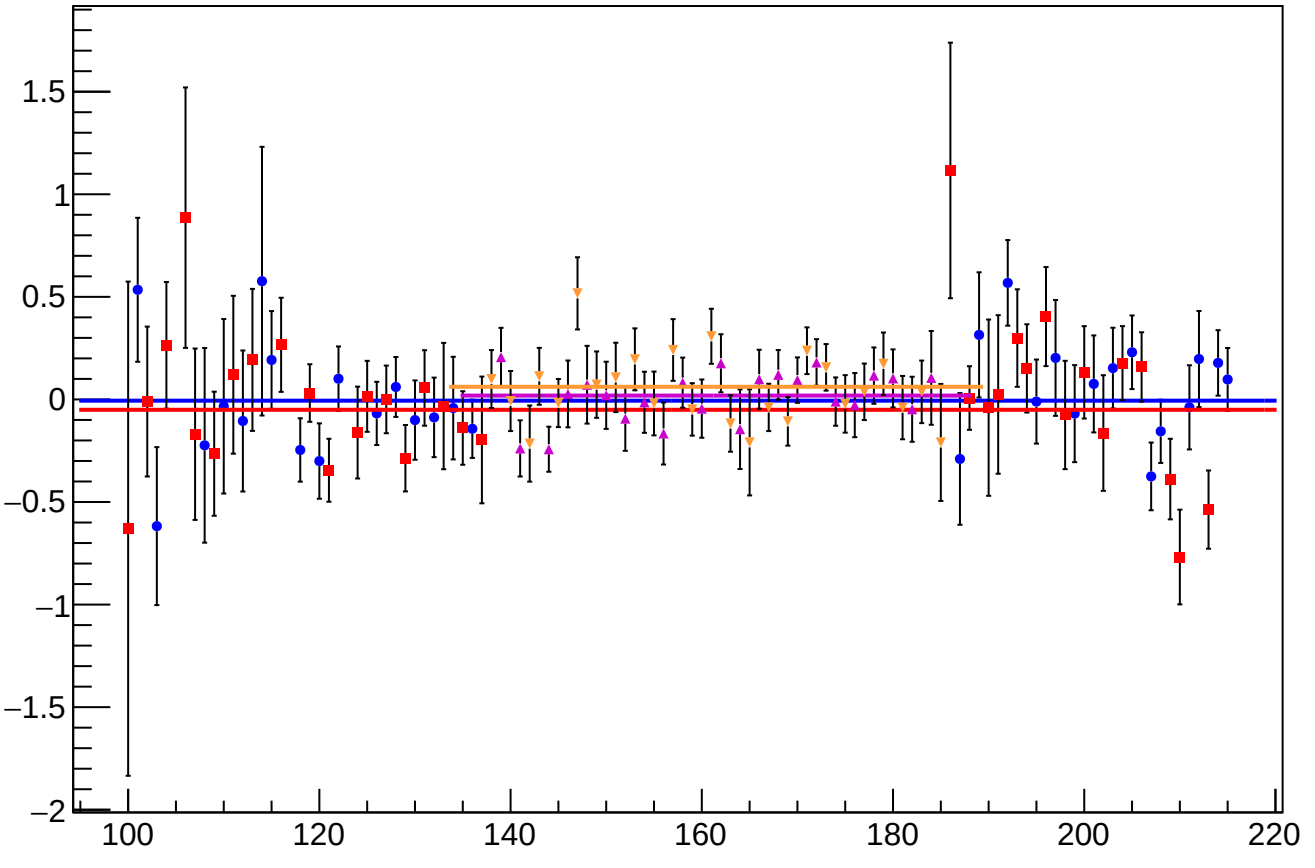
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 153.627+/-0.019 χ^2/NDF: 7177366.3/64

In: 134.029+/-0.016 χ^2/NDF:4725530.8/53

Out: 135.756+/-0.016 χ^2/NDF:5602002.0/58

All: 134.888+/-0.011 χ^2/NDF: 10333194.1/11



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.051+/-0.039 χ^2/NDF: 47.5/33

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

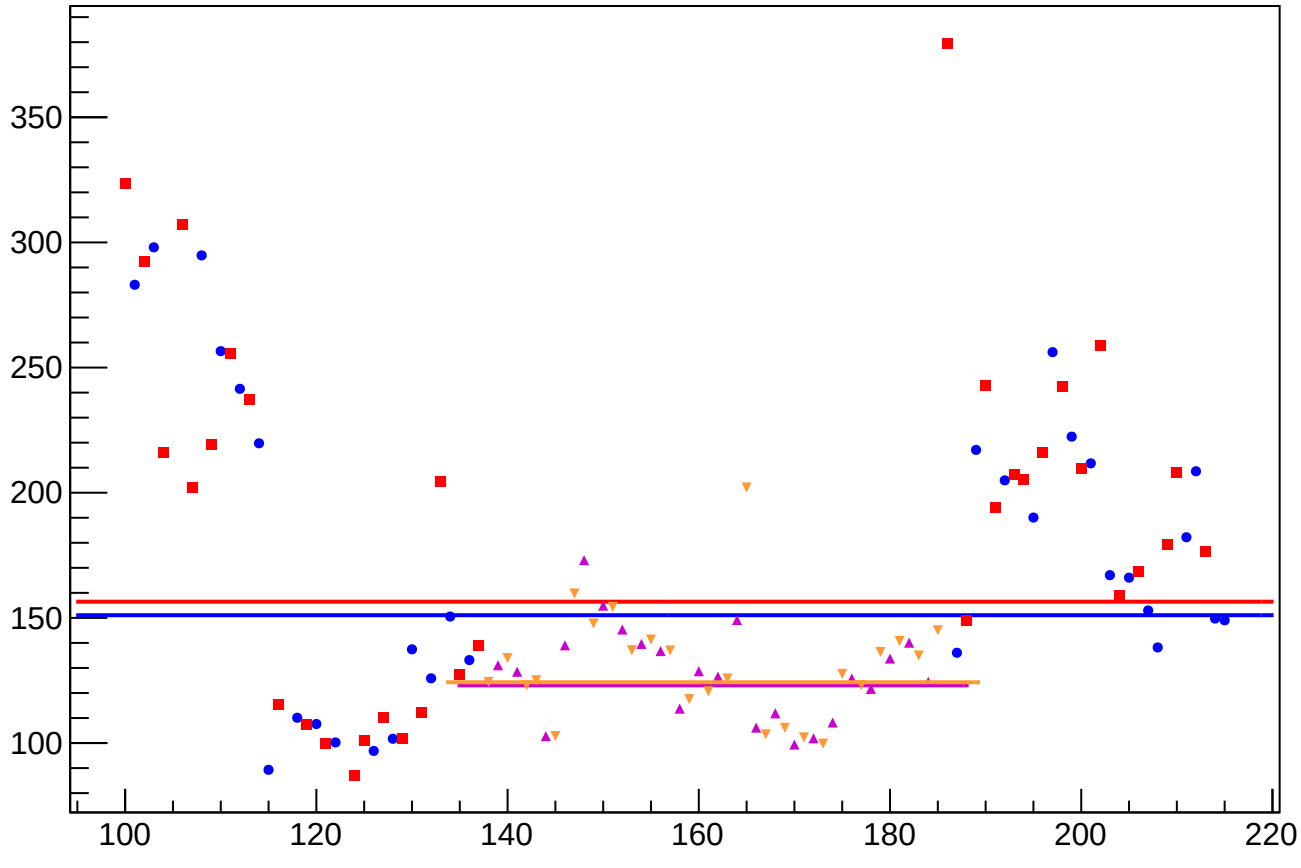
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.027 χ^2/NDF: 83.1/64

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.015+/-0.016 χ^2/NDF: 136.0/112



Right In: 151.070+/-0.026 χ^2/NDF: 3292552.9/30

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 156.470+/-0.027 χ^2/NDF: 3864152.1/33

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

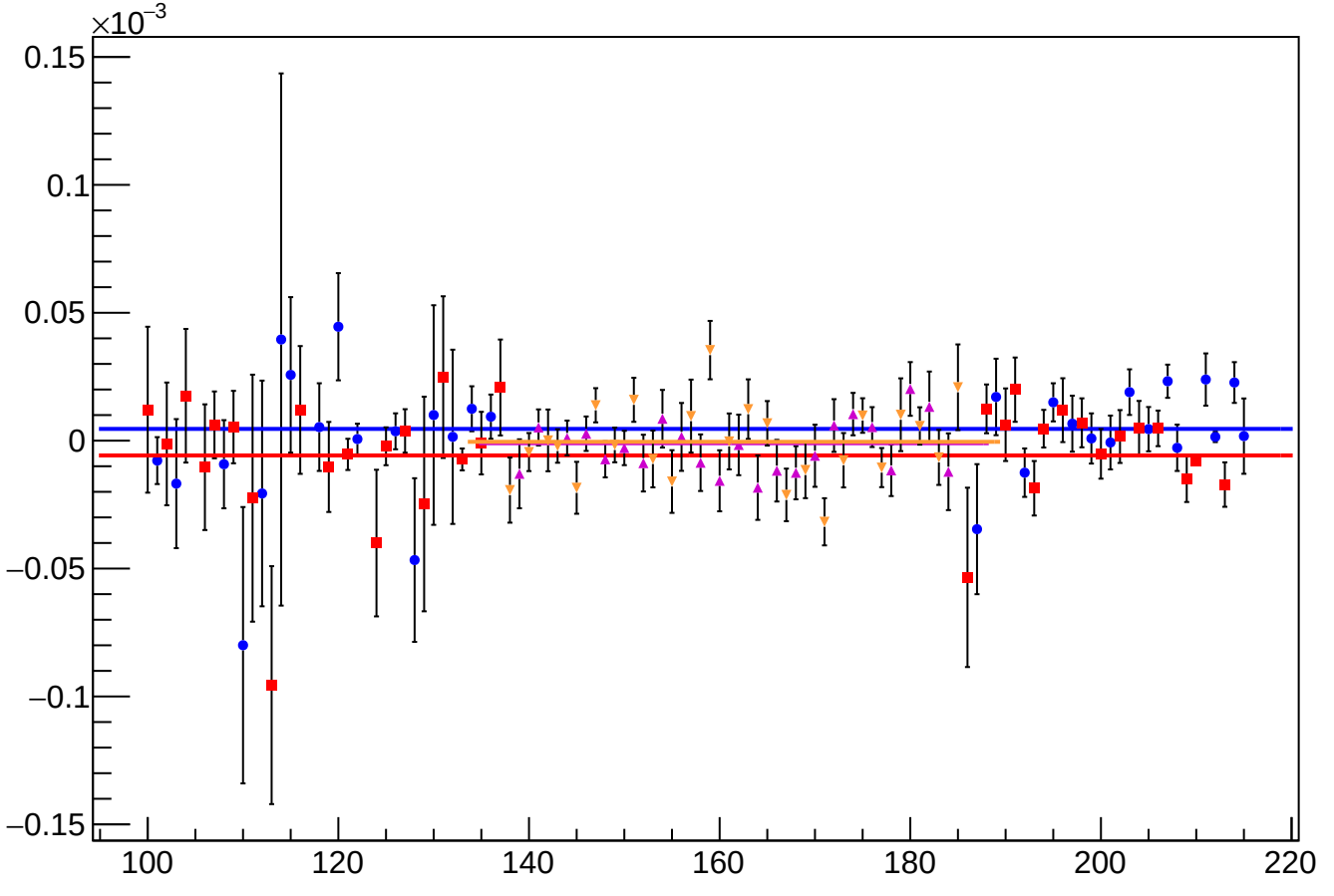
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 153.627+/-0.019 χ^2/NDF: 7177366.3/64

In: 134.029+/-0.016 χ^2/NDF:4725530.8/53

Out: 135.756+/-0.016 χ^2/NDF:5602002.0/58

All: 134.888+/-0.011 χ^2/NDF: 10333194.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 45.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

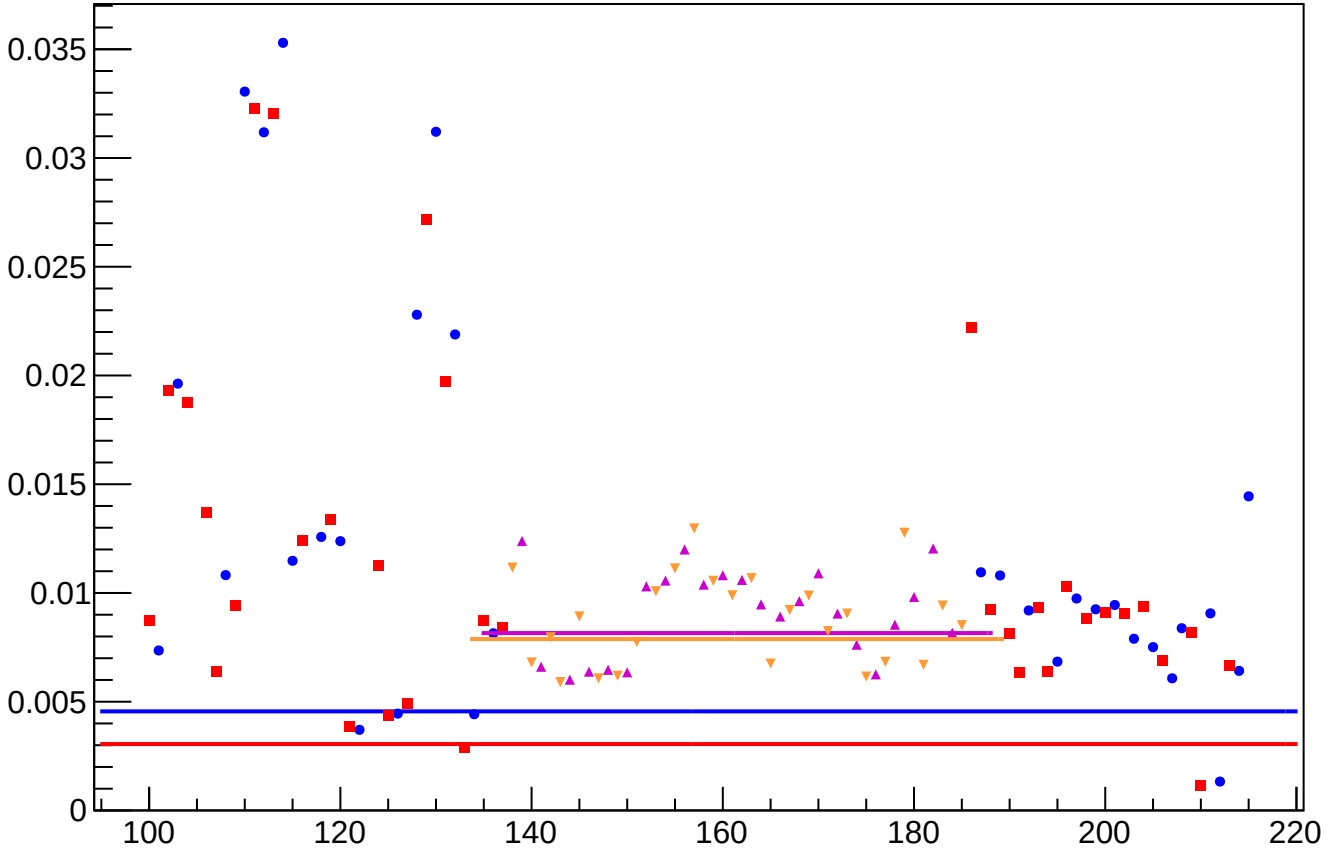
Right: -0.000+/-0.000 χ^2/NDF: 119.8/64

In: 0.000+/-0.000 χ^2/NDF:70.9/53

Out: -0.000+/-0.000 χ^2/NDF:98.9/58

All: -0.000+/-0.000 χ^2/NDF: 192.9/112

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 15637429.5/30

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19471447.4/33

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

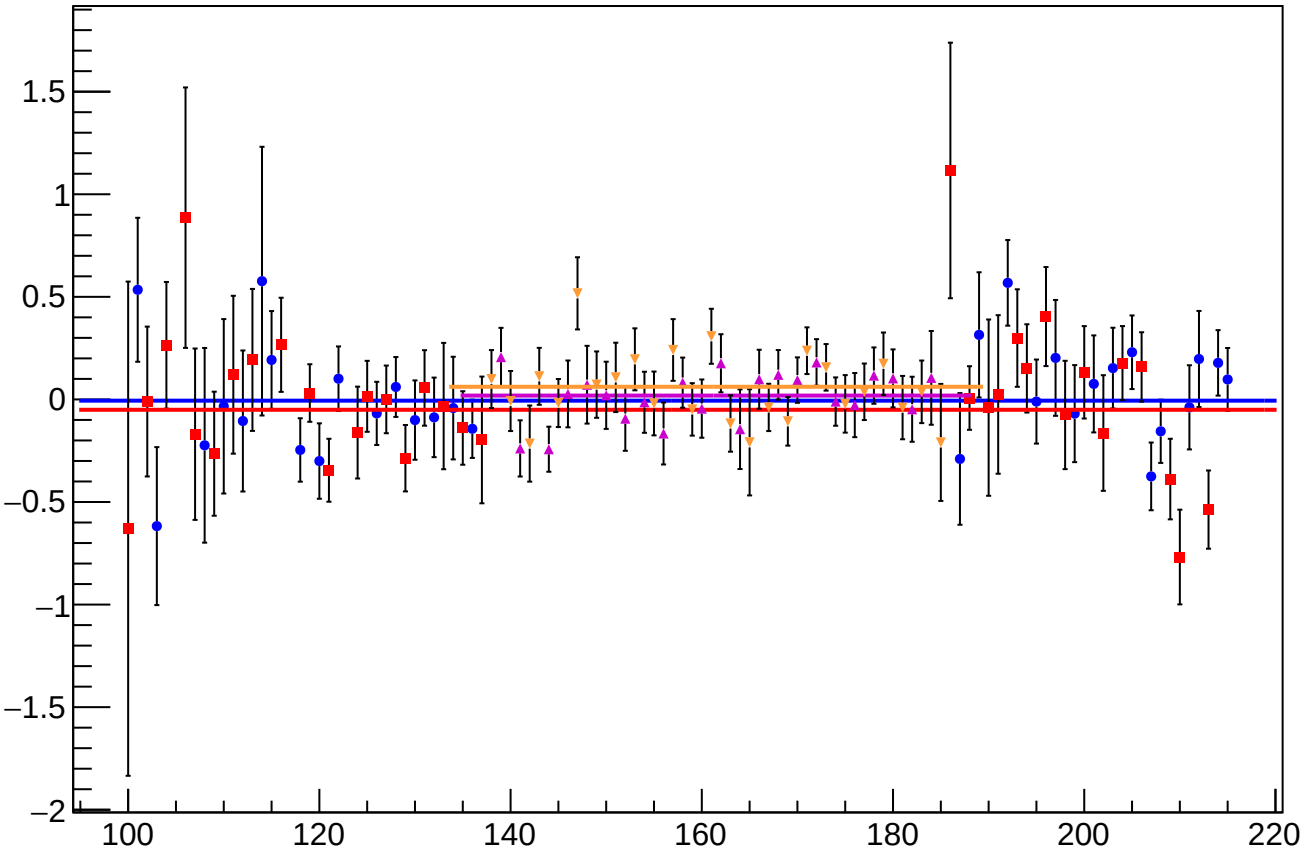
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.004+/-0.000 χ^2/NDF: 36531241.9/64

In: 0.006+/-0.000 χ^2/NDF:22009551.1/53

Out: 0.004+/-0.000 χ^2/NDF:31695942.7/58

All: 0.005+/-0.000 χ^2/NDF: 55758215.3/112



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.051+/-0.039 χ^2/NDF: 47.5/33

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

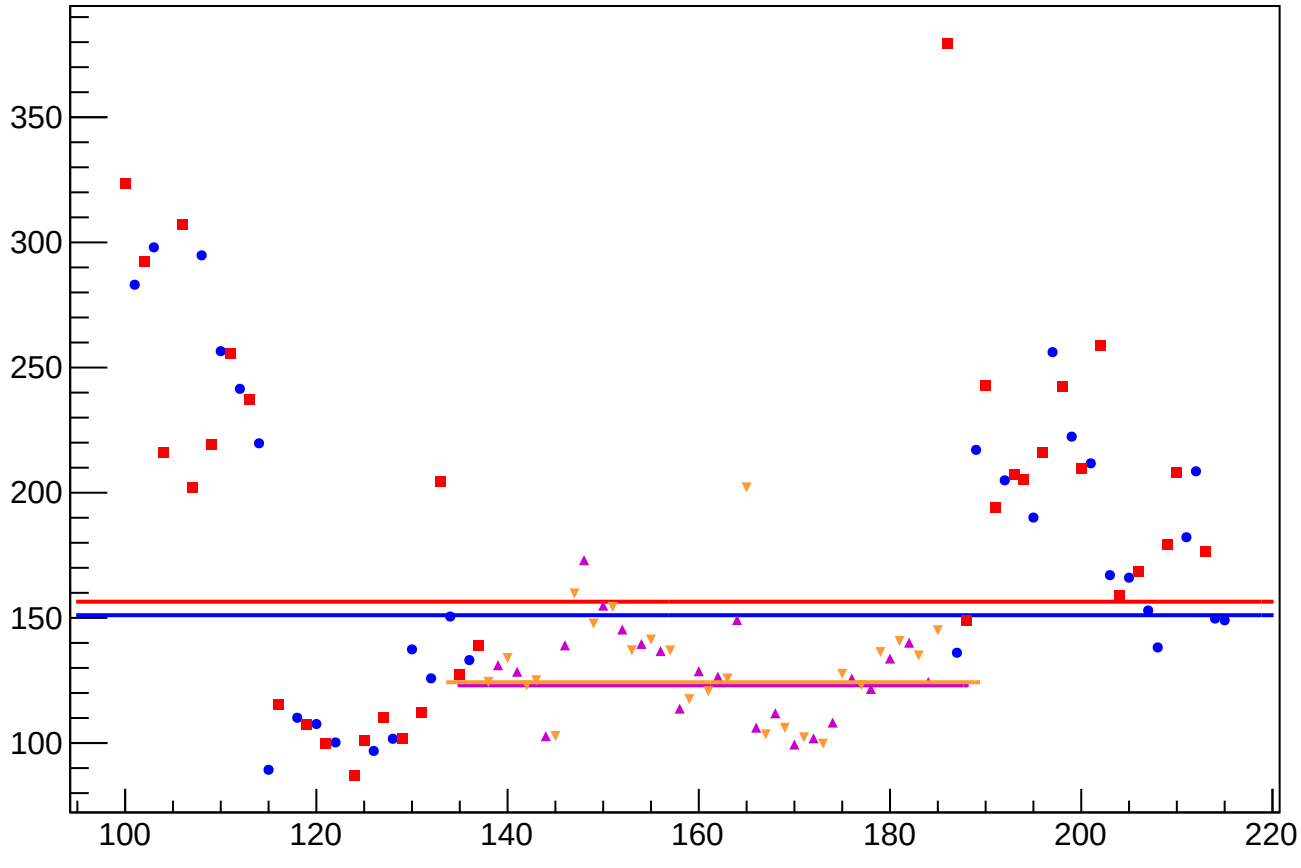
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.027 χ^2/NDF: 83.1/64

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.015+/-0.016 χ^2/NDF: 136.0/112



Right In: 151.068+/-0.026 χ^2/NDF: 3292629.8/30

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 156.468+/-0.027 χ^2/NDF: 3864294.2/33

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

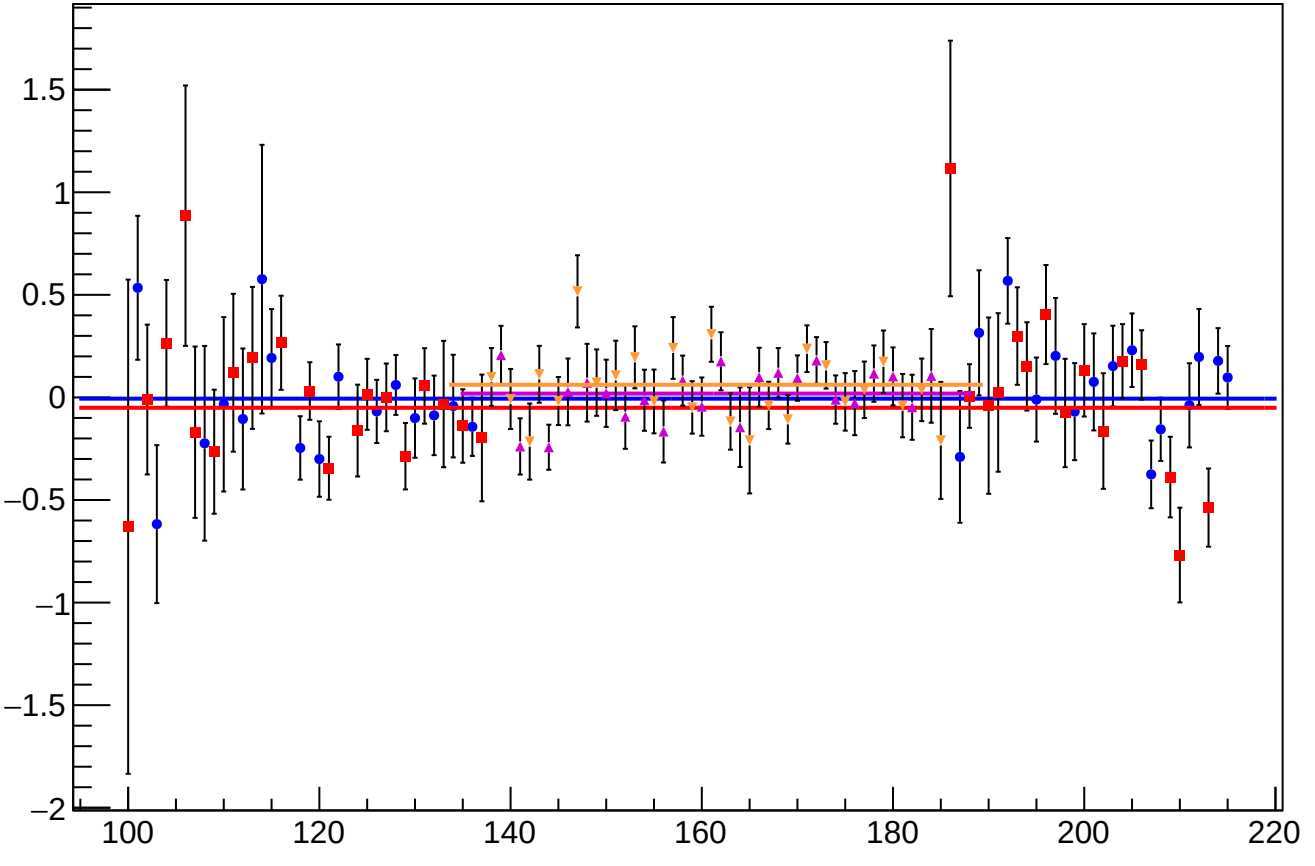
Right: 153.625+/-0.019 χ^2/NDF: 7177583.5/64

In: 134.029+/-0.016 χ^2/NDF:4725549.9/53

Out: 135.755+/-0.016 χ^2/NDF:5602086.7/58

All: 134.887+/-0.011 χ^2/NDF: 10333298.4/11

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.051+/-0.039 χ^2/NDF: 47.5/33

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

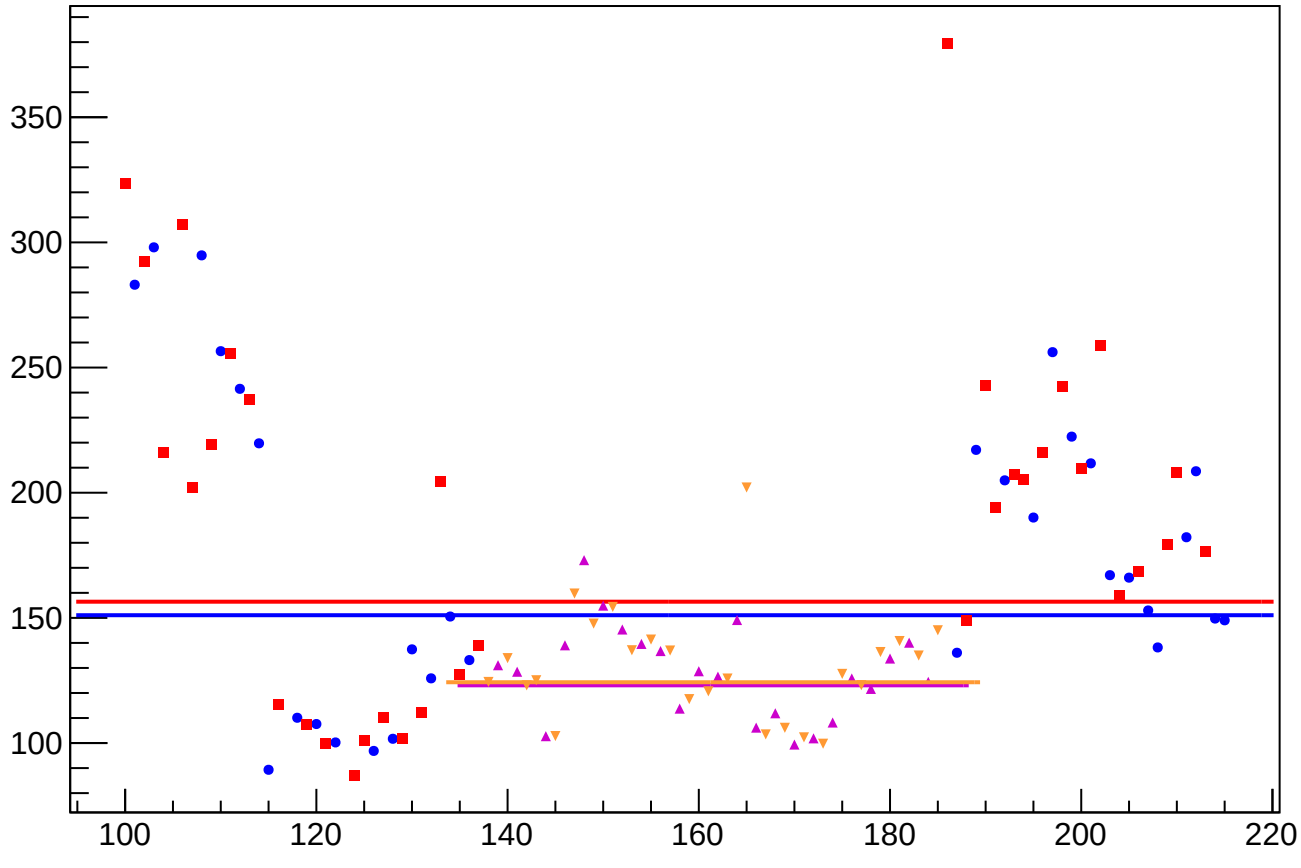
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.027 χ^2/NDF: 83.1/64

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.022+/-0.023 χ^2/NDF:80.3/58

All: 0.015+/-0.016 χ^2/NDF: 136.0/112



Right In: 151.068+/-0.026 χ^2/NDF: 3292629.8/30

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 156.468+/-0.027 χ^2/NDF: 3864294.2/33

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

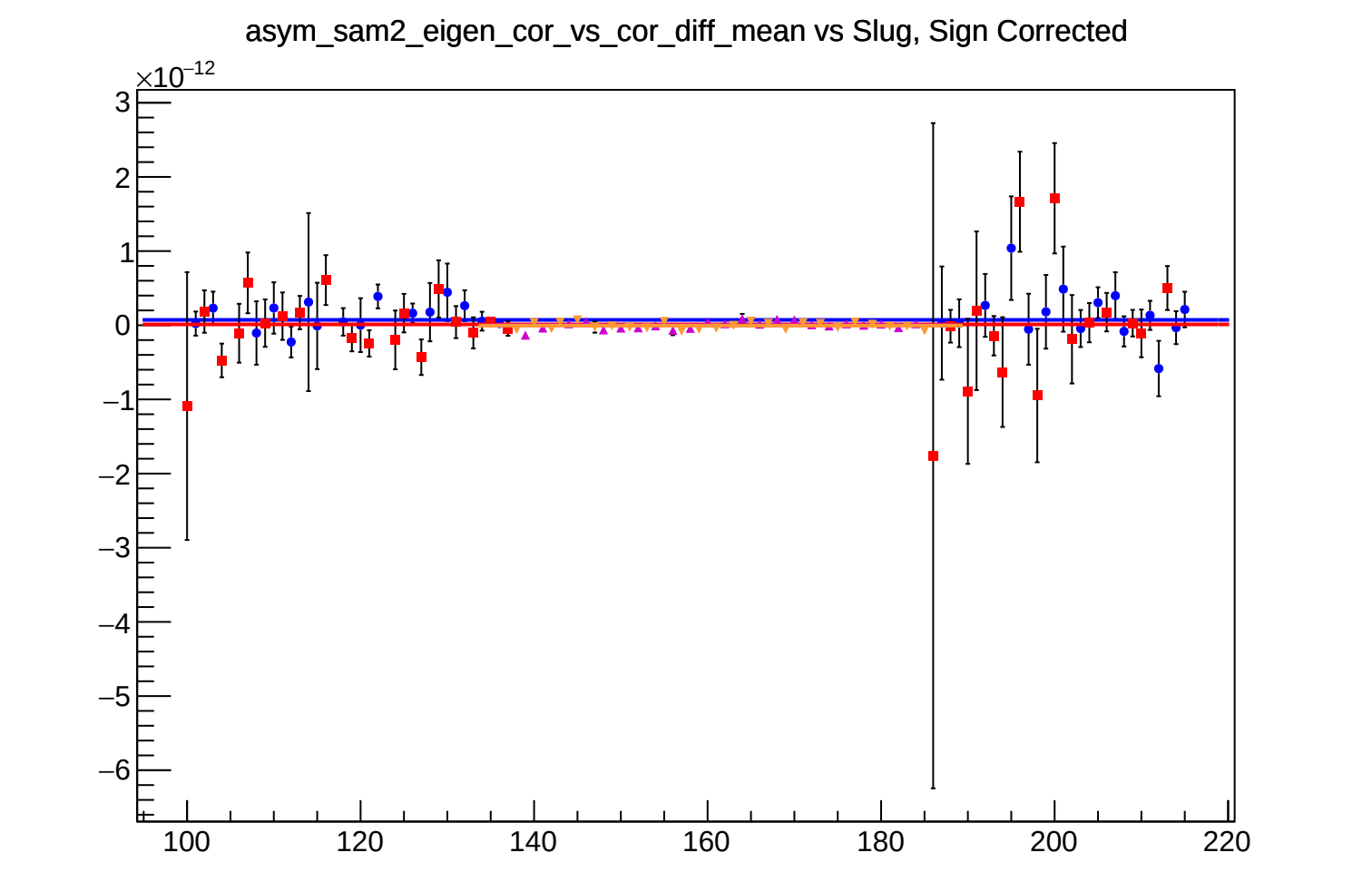
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 153.625+/-0.019 χ^2/NDF: 7177583.5/64

In: 134.029+/-0.016 χ^2/NDF:4725549.9/53

Out: 135.755+/-0.016 χ^2/NDF:5602086.7/58

All: 134.887+/-0.011 χ^2/NDF: 10333298.4/11



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.7/33

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: -0.000+/-0.000 χ^2/NDF: 49.3/47

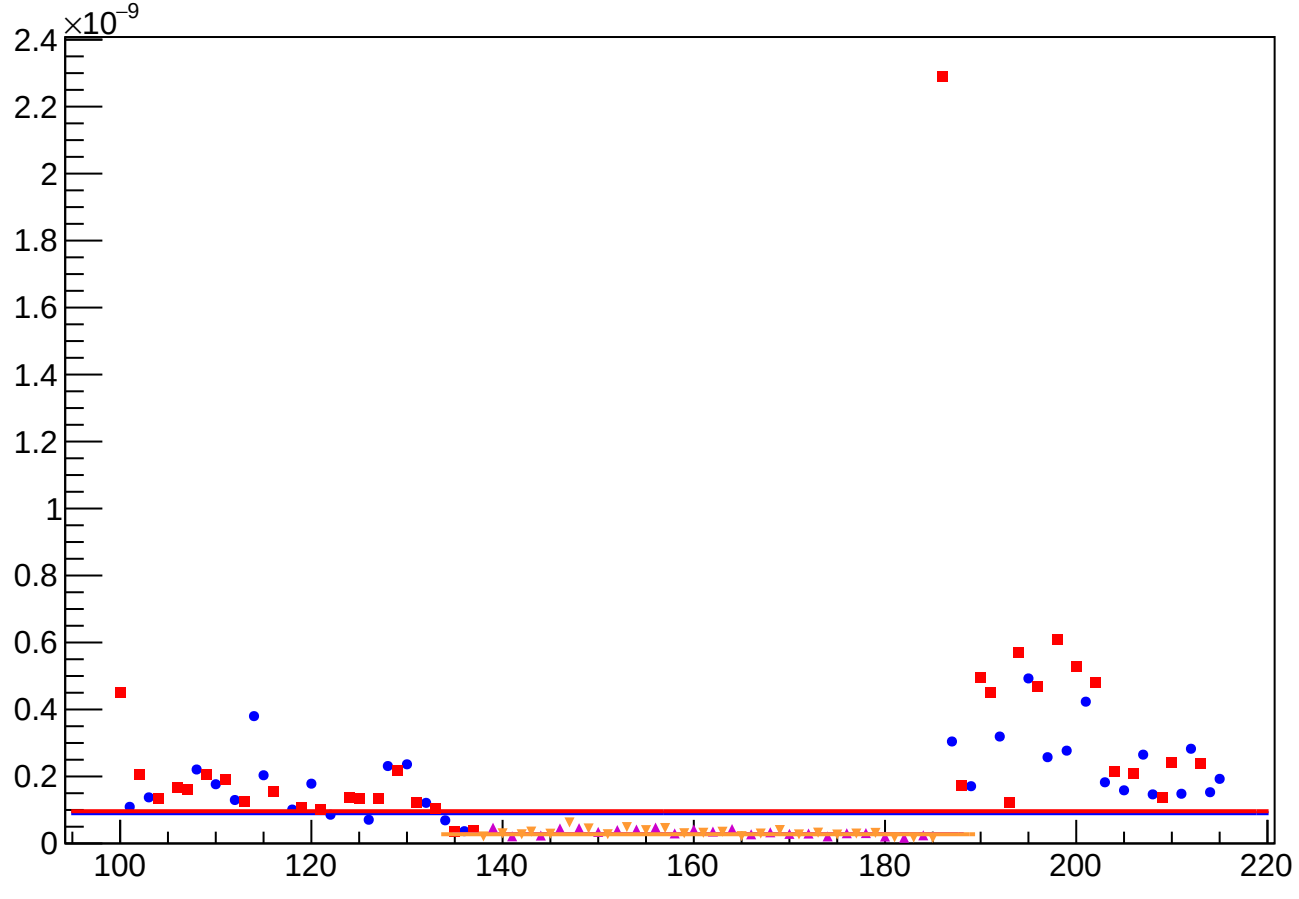
Right: 0.000+/-0.000 χ^2/NDF: 60.3/64

In: 0.000+/-0.000 χ^2/NDF:49.3/53

Out: -0.000+/-0.000 χ^2/NDF:63.4/58

All: -0.000+/-0.000 χ^2/NDF: 113.3/112

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9235253.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10931756.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

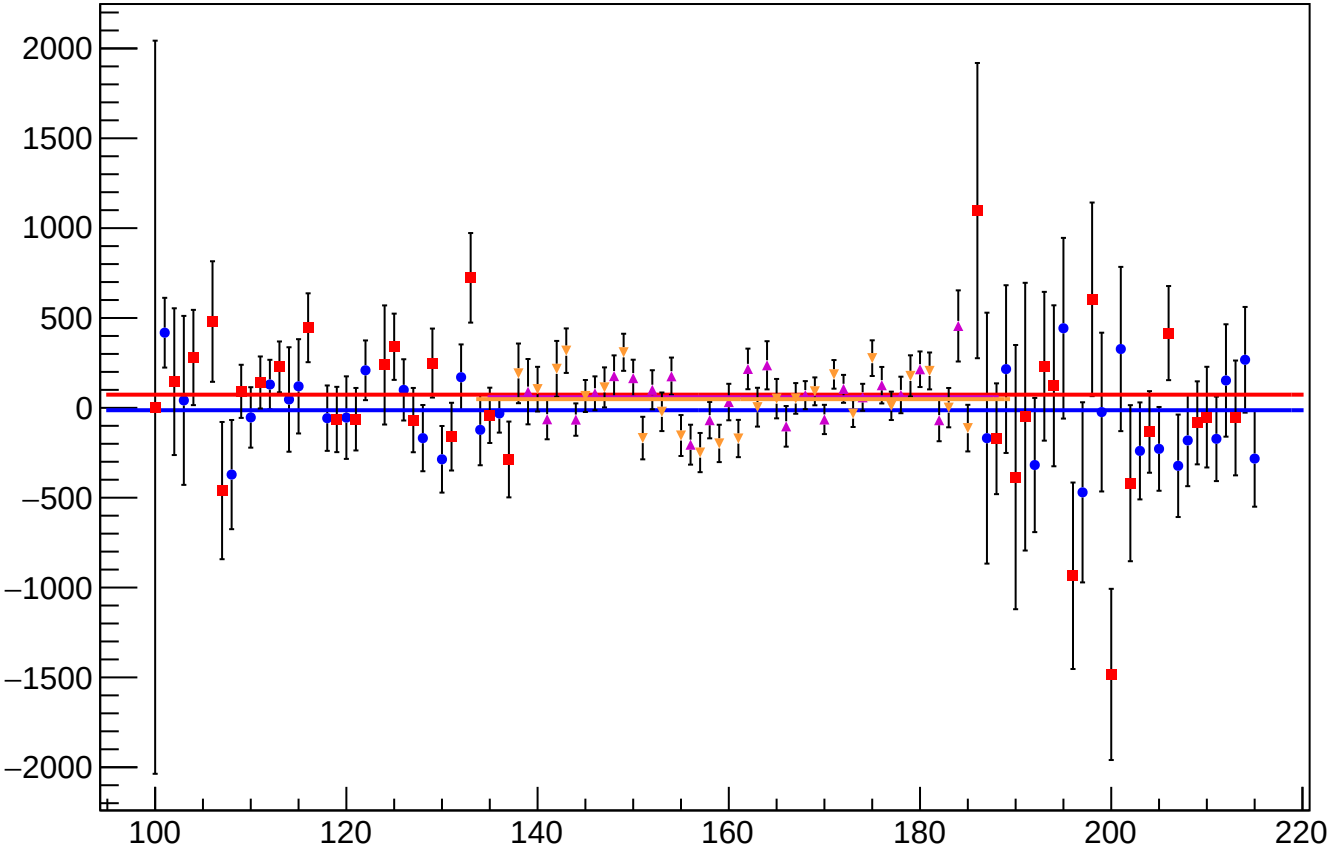
Right: 0.000+/-0.000 χ^2/NDF: 20197574.4/64

In: 0.000+/-0.000 χ^2/NDF:18231859.2/53

Out: 0.000+/-0.000 χ^2/NDF:20305728.1/58

All: 0.000+/-0.000 χ^2/NDF: 38566555.5/112

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: -13.238+/-40.029 χ^2/NDF: 23.3/30

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 73.344+/-41.002 χ^2/NDF: 48.9/33

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

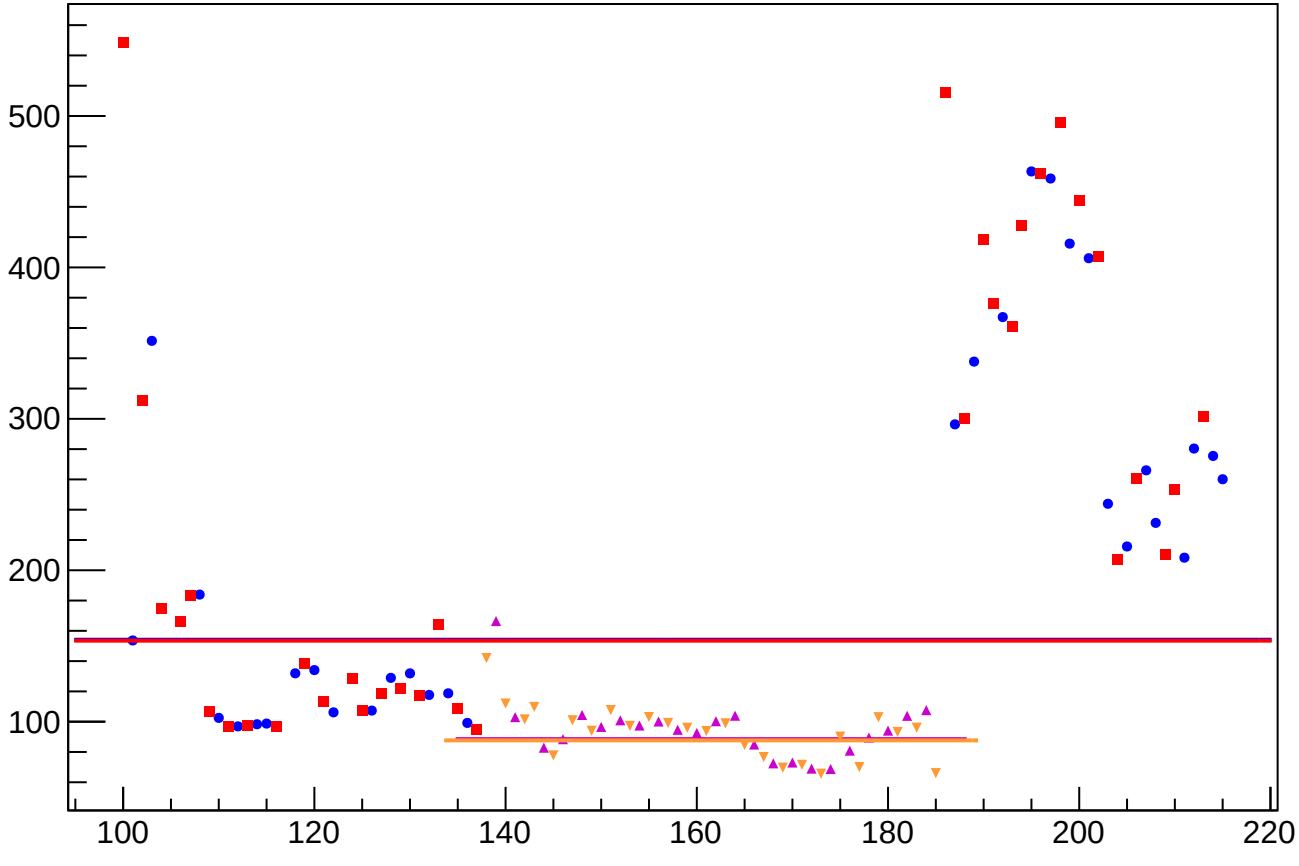
Right: 29.014+/-28.643 χ^2/NDF: 74.6/64

In: 43.238+/-18.704 χ^2/NDF:56.5/53

Out: 53.352+/-18.281 χ^2/NDF:102.8/58

All: 48.411+/-13.074 χ^2/NDF: 159.4/112

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 154.108+/-0.028 χ^2/NDF: 7961113.3/30

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 153.519+/-0.029 χ^2/NDF: 8908426.4/33

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

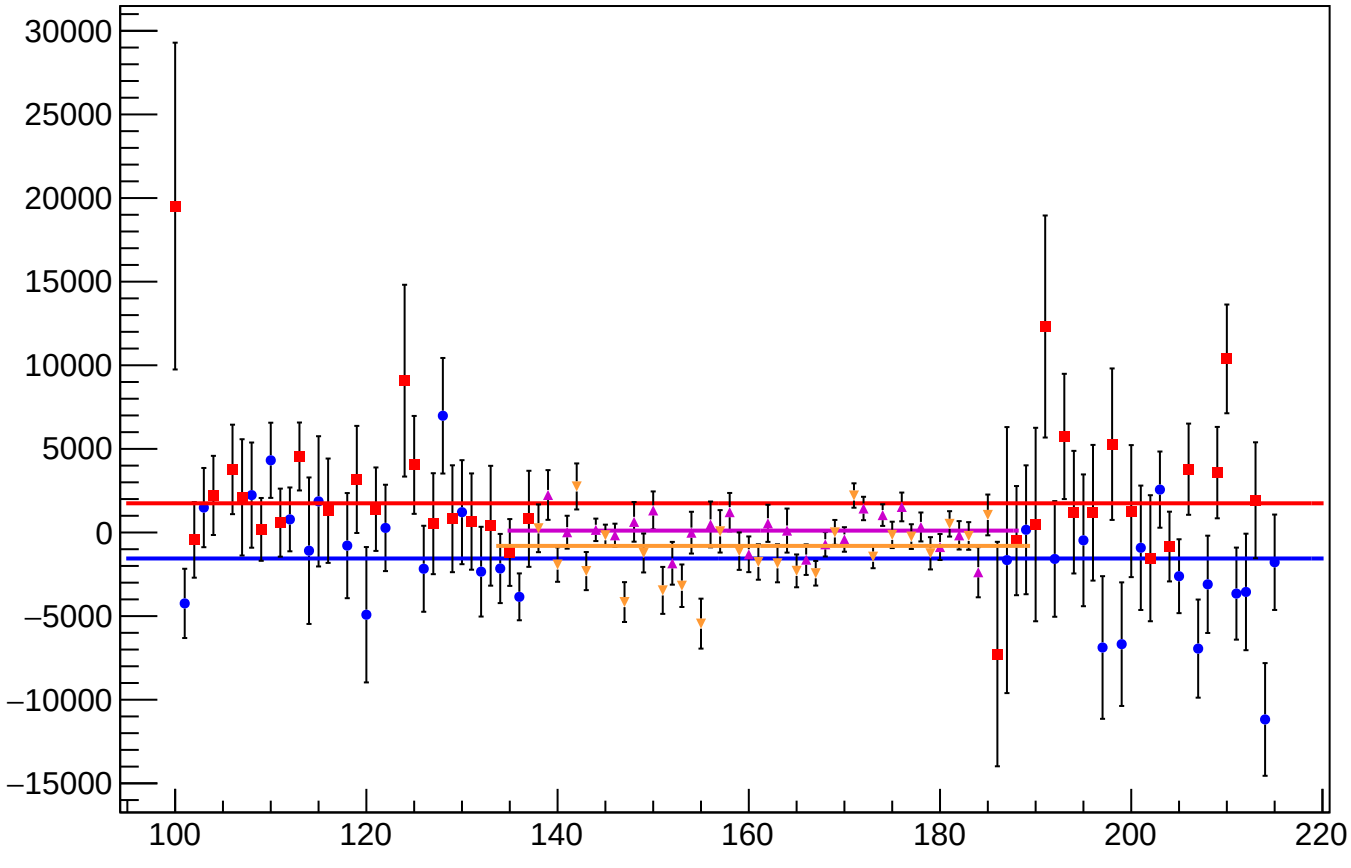
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 153.820+/-0.020 χ^2/NDF: 16869751.0/64

In: 102.811+/-0.013 χ^2/NDF:13238600.7/53

Out: 100.749+/-0.013 χ^2/NDF:14256589.1/58

All: 101.756+/-0.009 χ^2/NDF: 27507627.3/1



Right In: -1554.047+/-492.414 χ^2/NDF: 45.0/30

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1746.282+/-506.700 χ^2/NDF: 30.1/33

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

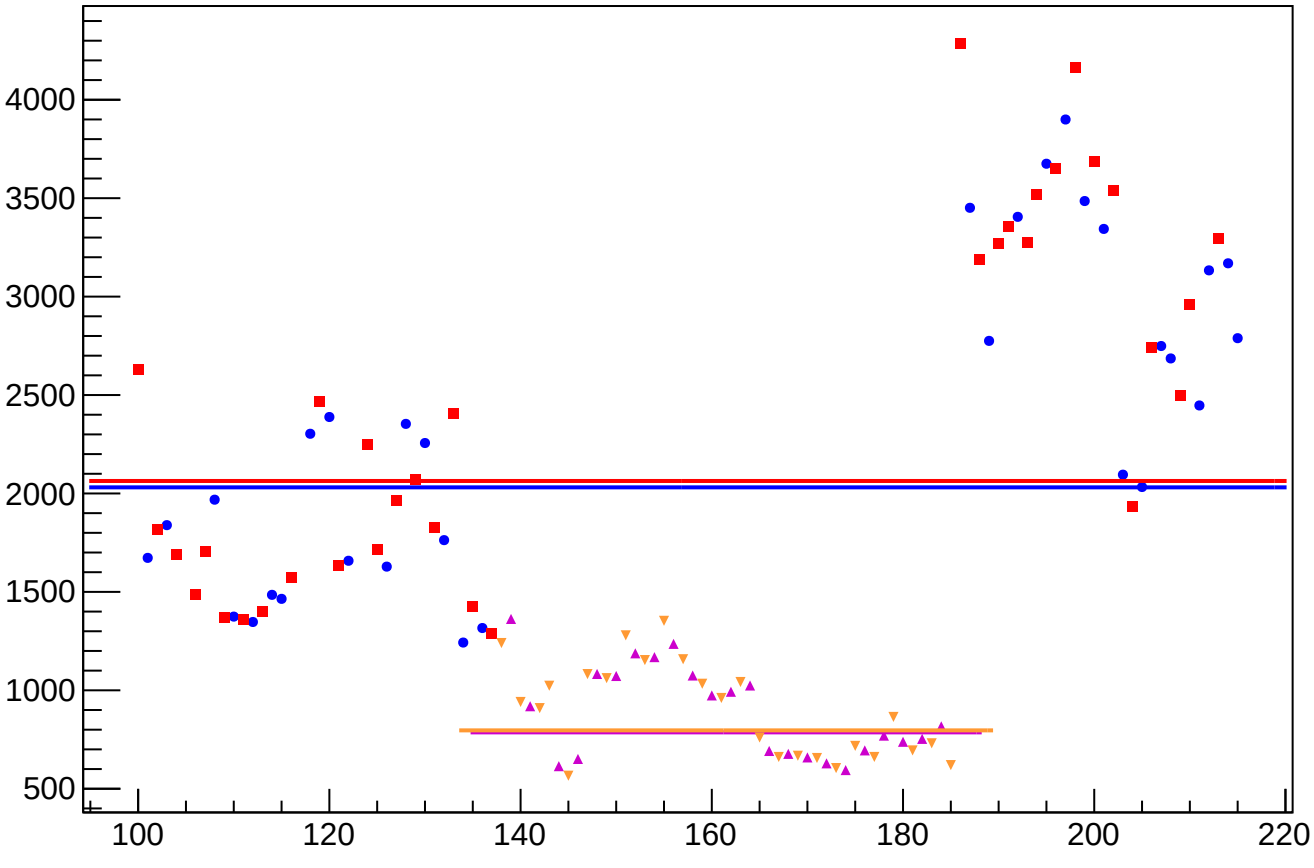
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 48.935+/-353.132 χ^2/NDF: 96.9/64

In: -104.015+/-177.481 χ^2/NDF:82.0/53

Out: -493.919+/-176.057 χ^2/NDF:124.2/58

All: -300.537+/-124.991 χ^2/NDF: 208.6/112



Right In: 2031.031+/-0.348 χ^2/NDF: 4137464.4/30

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2063.429+/-0.358 χ^2/NDF: 4588402.1/33

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

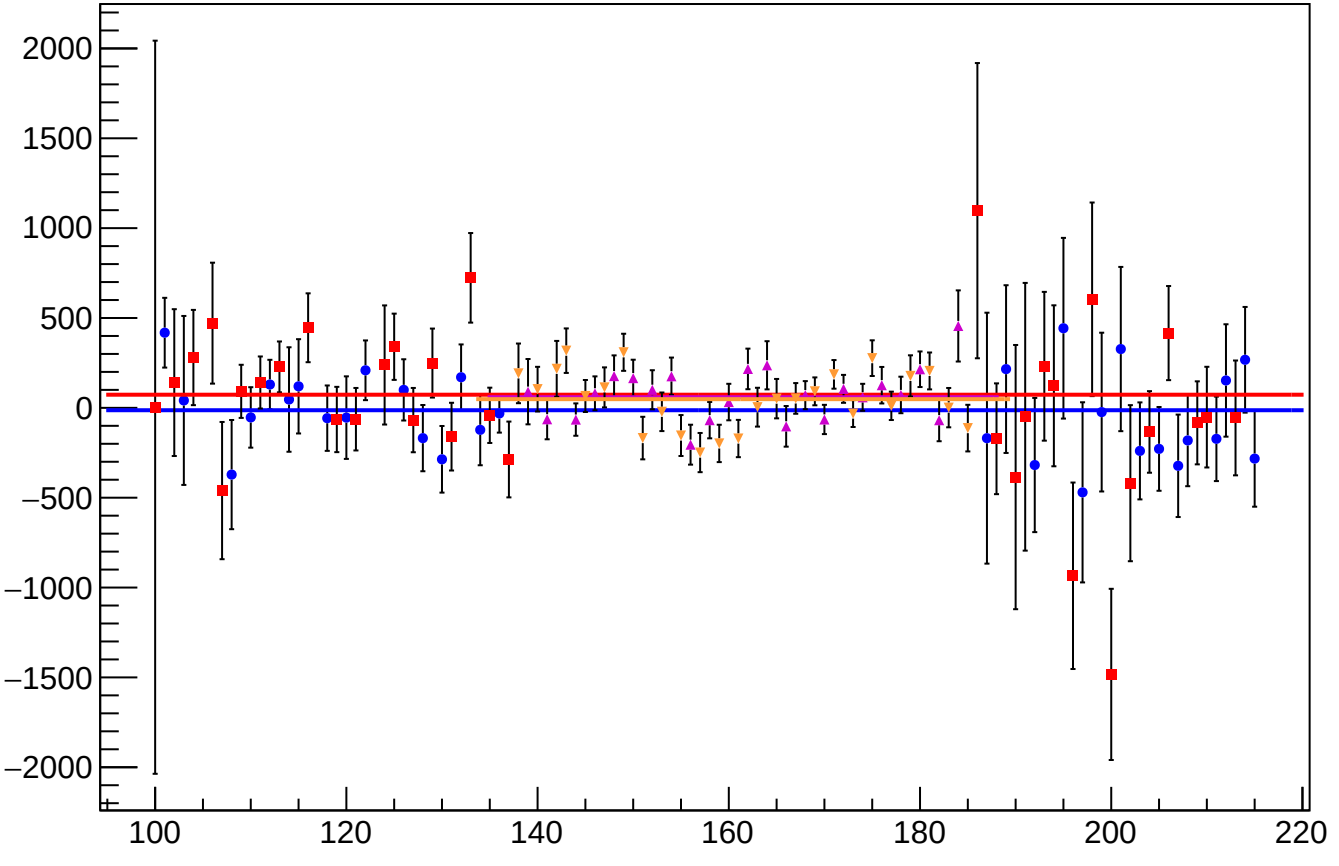
Right: 2046.767+/-0.250 χ^2/NDF: 8730071.5/64

In: 948.034+/-0.125 χ^2/NDF:17412892.6/53

Out: 949.473+/-0.124 χ^2/NDF:17999858.1/58

All: 948.759+/-0.088 χ^2/NDF: 35412817.1/11

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -13.251+/-40.029 χ^2/NDF: 23.3/30

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 73.116+/-41.004 χ^2/NDF: 48.9/33

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

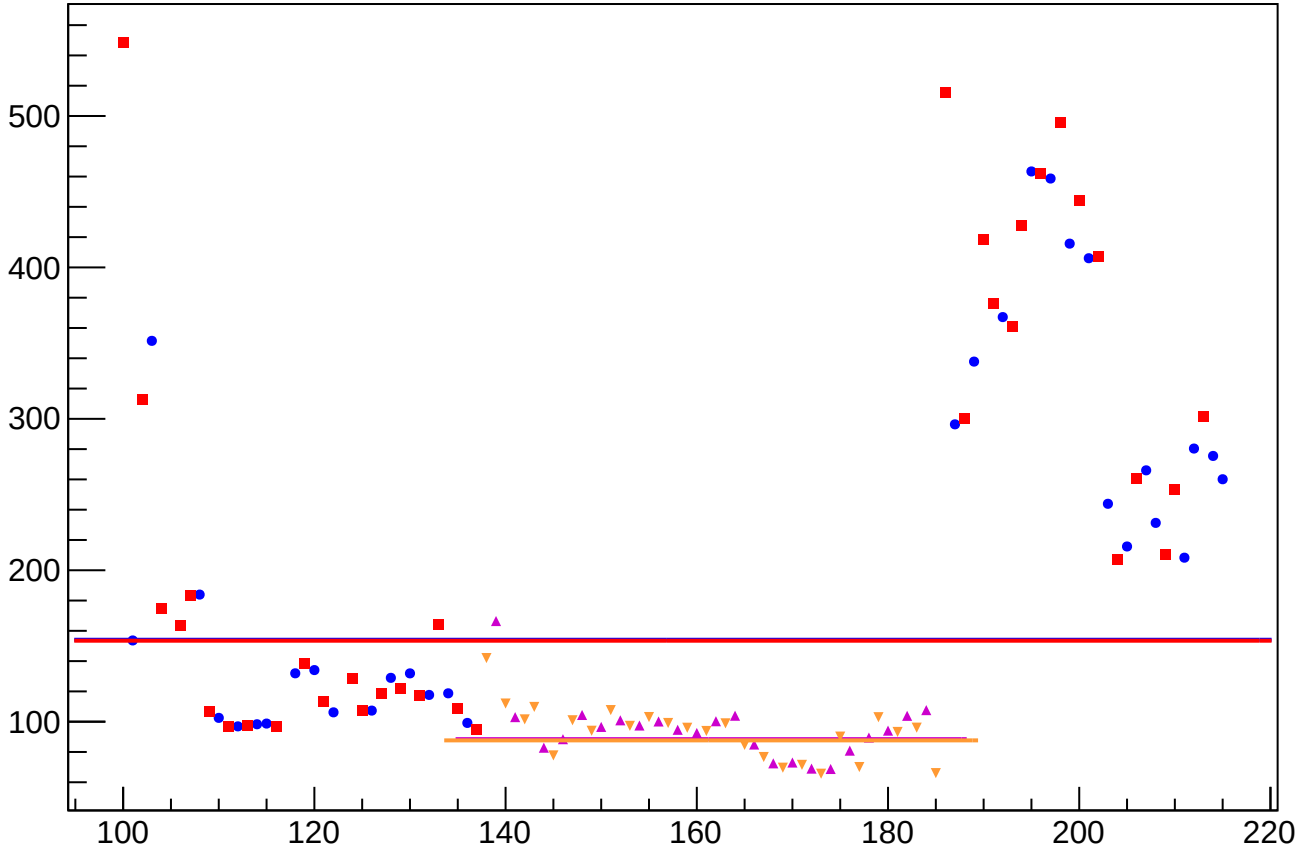
Right: 28.894+/-28.643 χ^2/NDF: 74.5/64

In: 43.237+/-18.704 χ^2/NDF:56.5/53

Out: 53.312+/-18.281 χ^2/NDF:102.7/58

All: 48.390+/-13.074 χ^2/NDF: 159.3/112

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 154.108+/-0.028 χ^2/NDF: 7961115.9/30

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 153.481+/-0.029 χ^2/NDF: 8907574.1/33

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

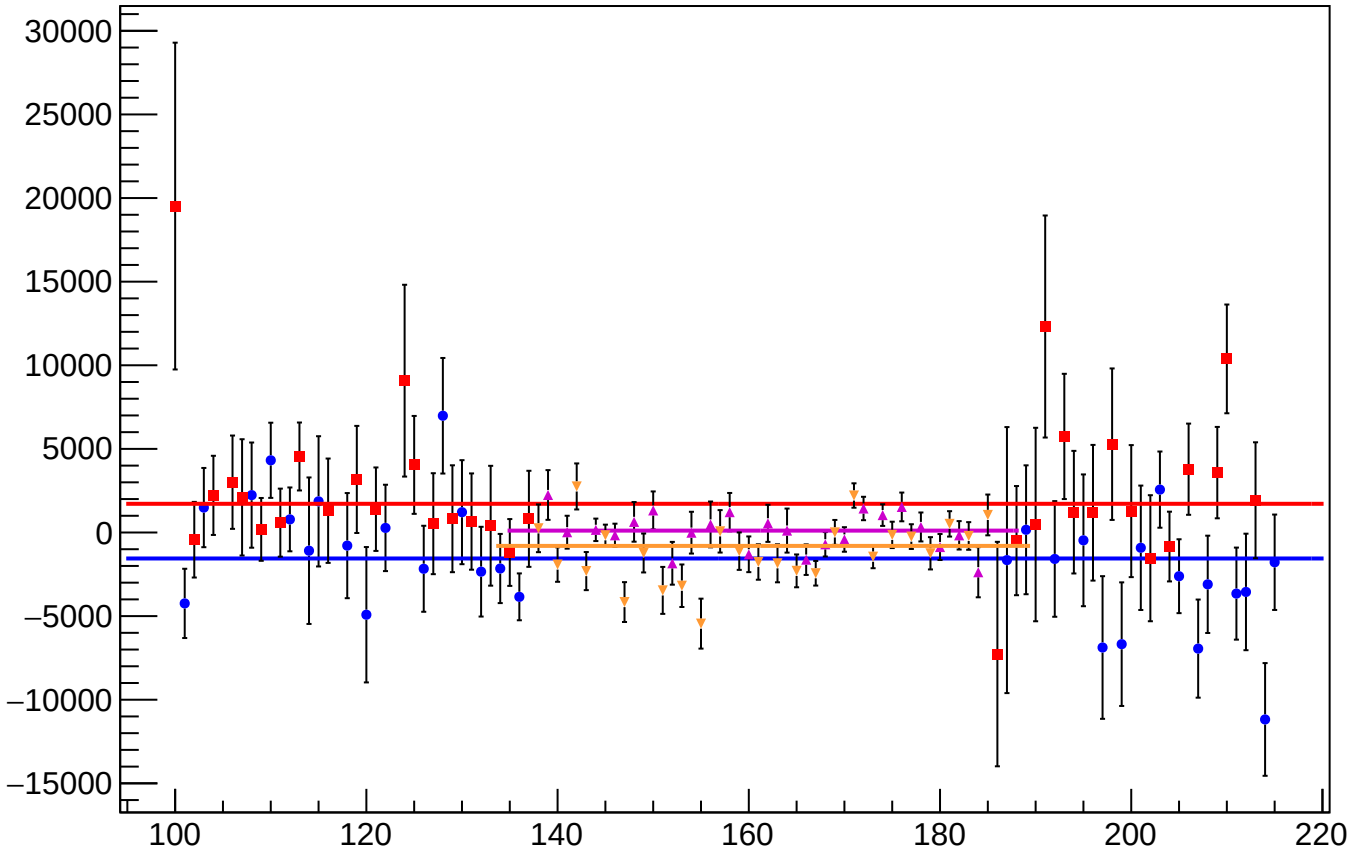
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

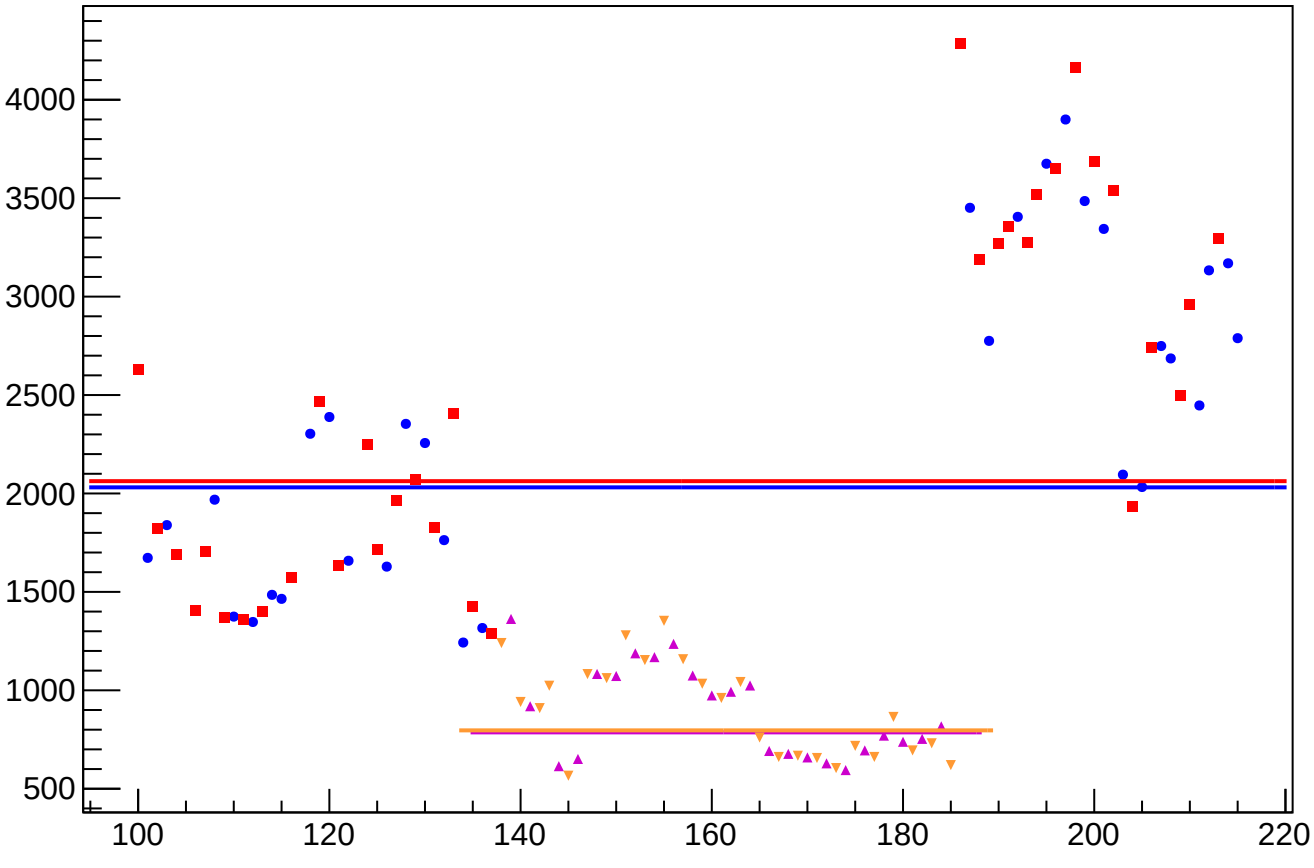
Right: 153.802+/-0.020 χ^2/NDF: 16868929.1/64

In: 102.811+/-0.013 χ^2/NDF:13238602.5/53

Out: 100.740+/-0.013 χ^2/NDF:14250652.2/58

All: 101.752+/-0.009 χ^2/NDF: 27501796.0/1


asym_sam3_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -1554.044+/-492.416 χ²/NDF: 45.0/30
Left Out: -801.499+/-187.755 χ²/NDF:71.9/24
Right Out: 1716.038+/-507.459 χ²/NDF: 29.7/33
Left In: 112.485+/-190.269 χ²/NDF:27.1/22
Left: -350.586+/-133.643 χ²/NDF: 110.6/47
Right: 31.809+/-353.389 χ²/NDF: 96.1/64
In: -104.012+/-177.481 χ²/NDF:82.0/53
Out: -498.363+/-176.089 χ²/NDF:123.3/58
All: -302.740+/-125.003 χ²/NDF: 207.7/112



Right In: 2031.041+/-0.348 χ^2/NDF: 4137440.1/30

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2062.521+/-0.359 χ^2/NDF: 4606245.0/33

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

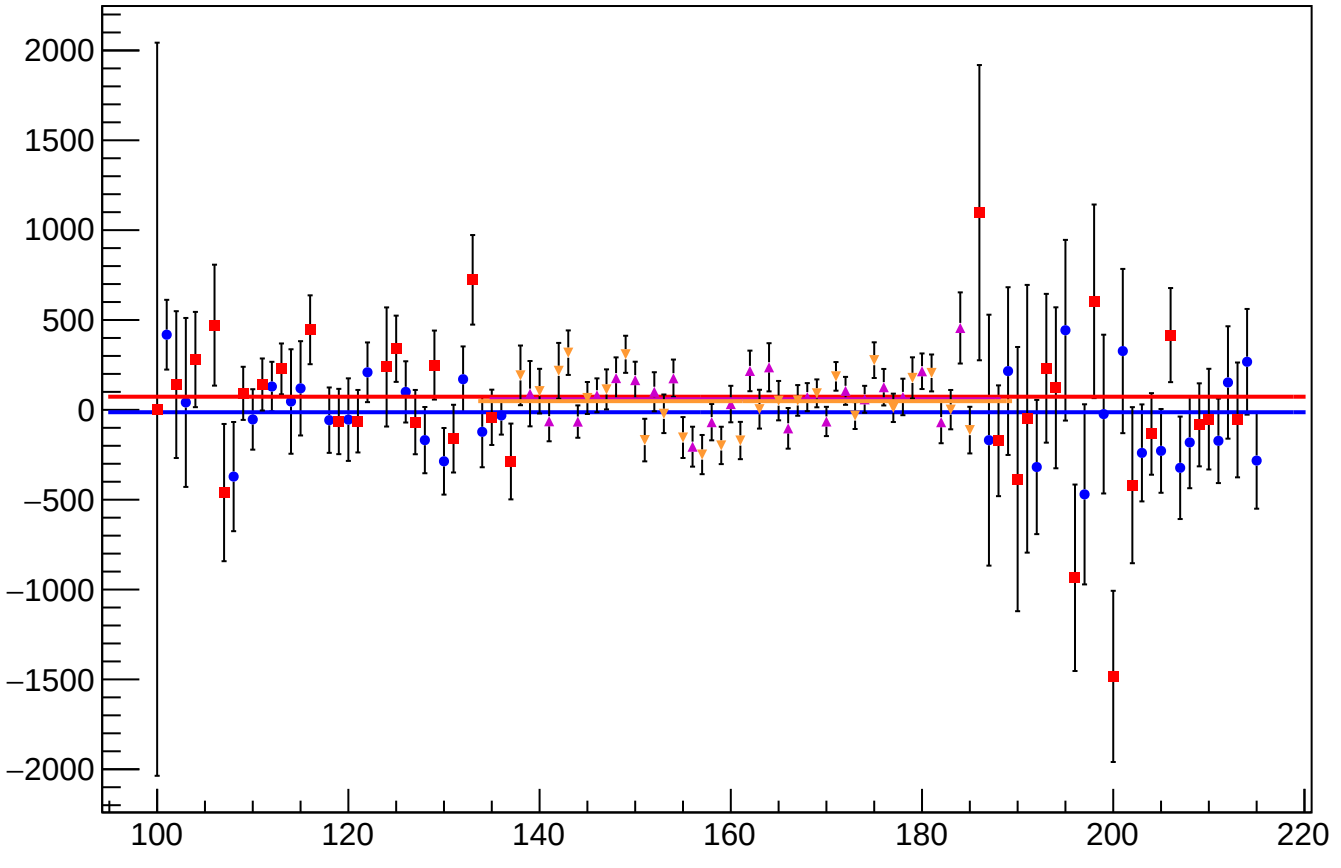
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2046.307+/-0.250 χ^2/NDF: 8747649.3/64

In: 948.034+/-0.125 χ^2/NDF:17412949.6/53

Out: 948.962+/-0.125 χ^2/NDF:17973092.9/58

All: 948.502+/-0.088 χ^2/NDF: 35386070.1/11



Right In: -13.251+/-40.029 χ^2/NDF: 23.3/30

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 73.116+/-41.004 χ^2/NDF: 48.9/33

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

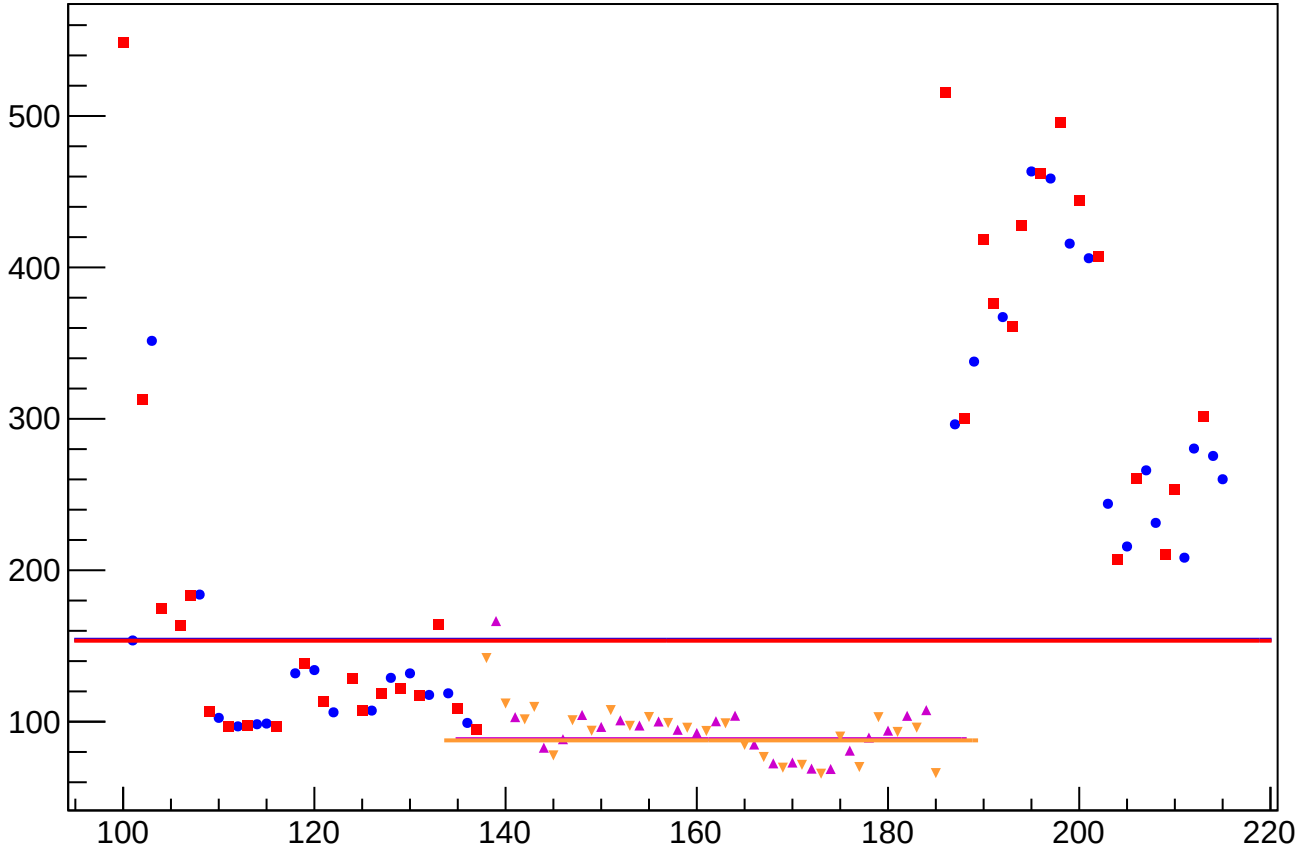
Right: 28.894+/-28.643 χ^2/NDF: 74.5/64

In: 43.237+/-18.704 χ^2/NDF:56.5/53

Out: 53.312+/-18.281 χ^2/NDF:102.7/58

All: 48.390+/-13.074 χ^2/NDF: 159.3/112

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 154.108+/-0.028 χ^2/NDF: 7961115.9/30

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 153.481+/-0.029 χ^2/NDF: 8907574.1/33

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

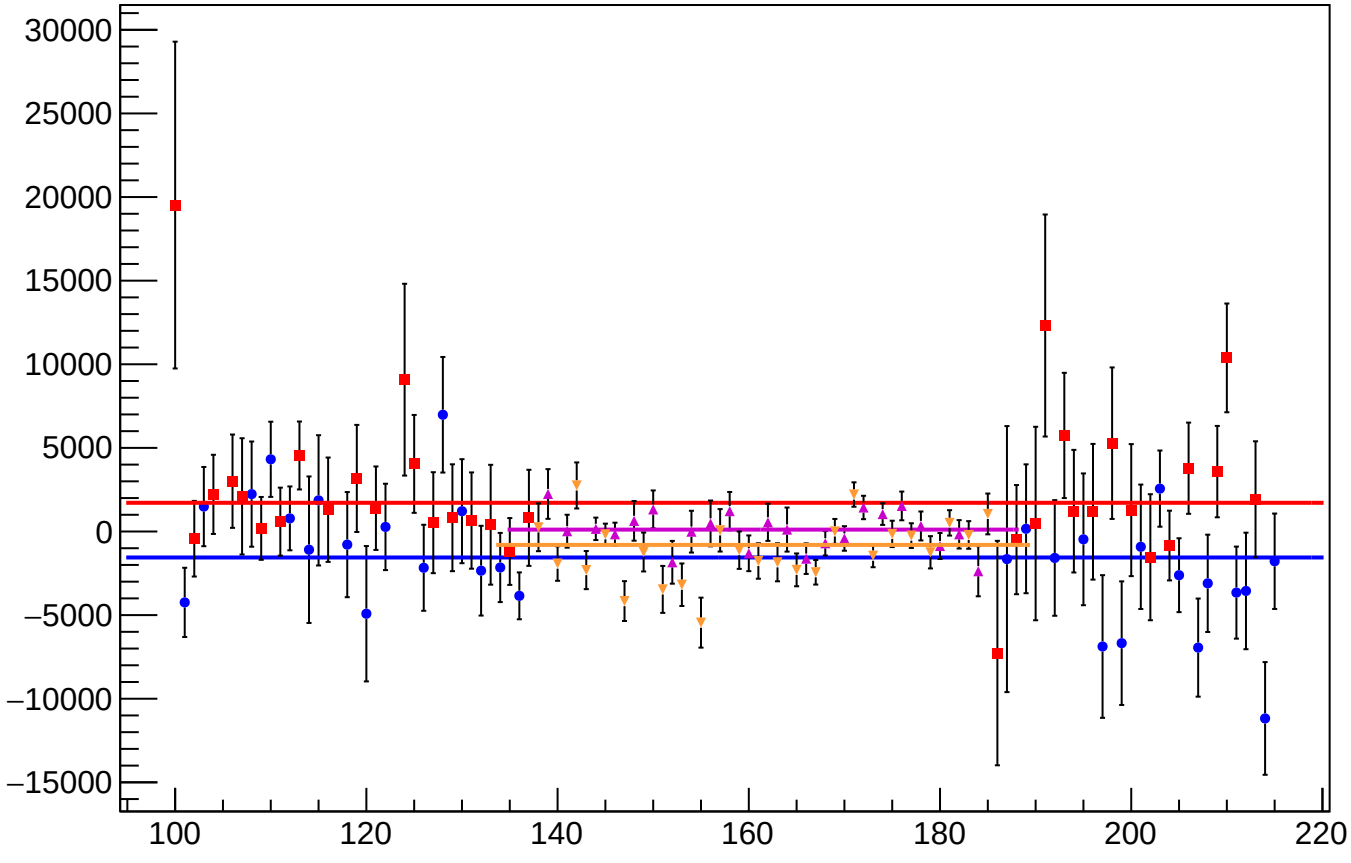
Right: 153.802+/-0.020 χ^2/NDF: 16868929.1/64

In: 102.811+/-0.013 χ^2/NDF:13238602.5/53

Out: 100.740+/-0.013 χ^2/NDF:14250652.2/58

All: 101.752+/-0.009 χ^2/NDF: 27501796.0/12

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1554.044+/-492.416 χ^2/NDF: 45.0/30

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1716.038+/-507.459 χ^2/NDF: 29.7/33

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

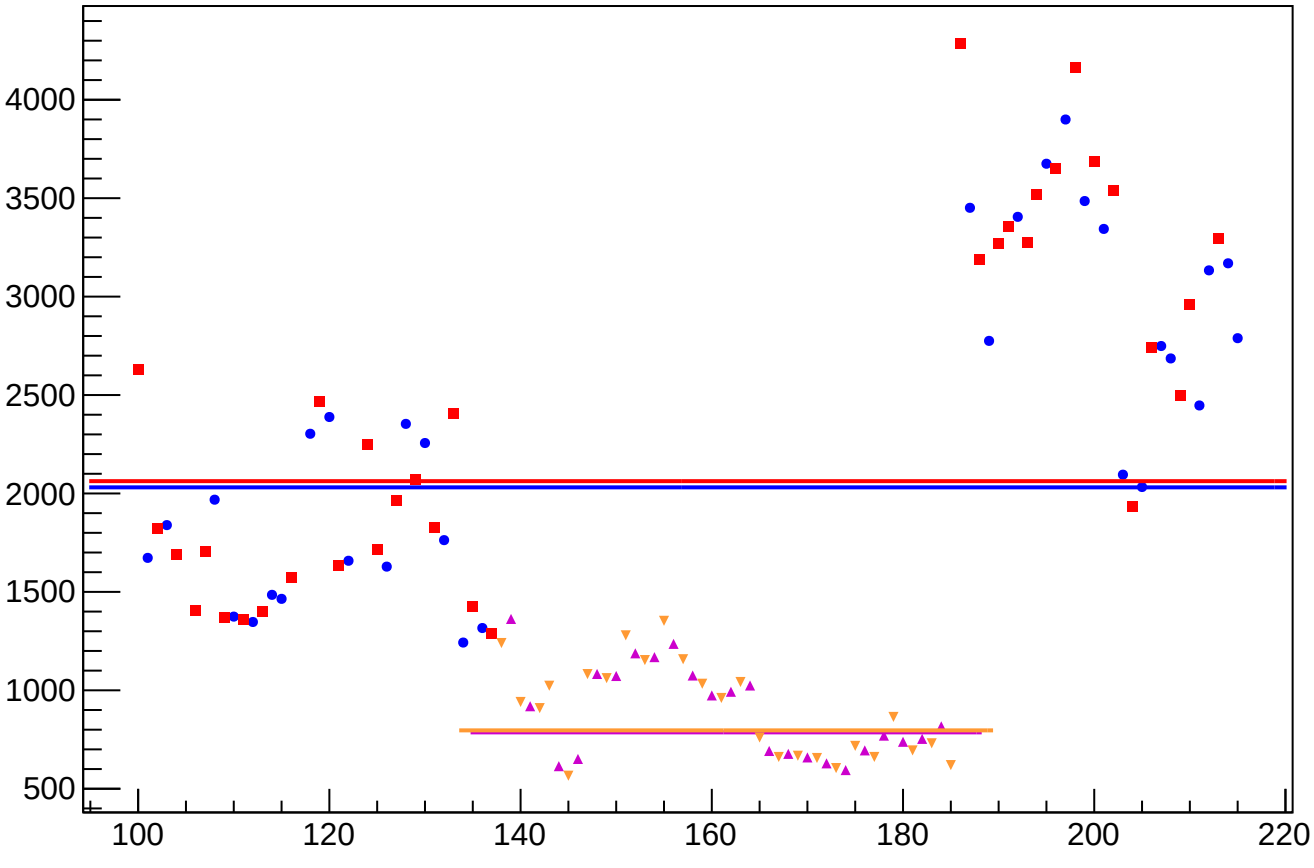
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 31.809+/-353.389 χ^2/NDF: 96.1/64

In: -104.012+/-177.481 χ^2/NDF:82.0/53

Out: -498.363+/-176.089 χ^2/NDF:123.3/58

All: -302.740+/-125.003 χ^2/NDF: 207.7/112



Right In: 2031.041+/-0.348 χ^2/NDF: 4137440.1/30

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2062.521+/-0.359 χ^2/NDF: 4606245.0/33

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

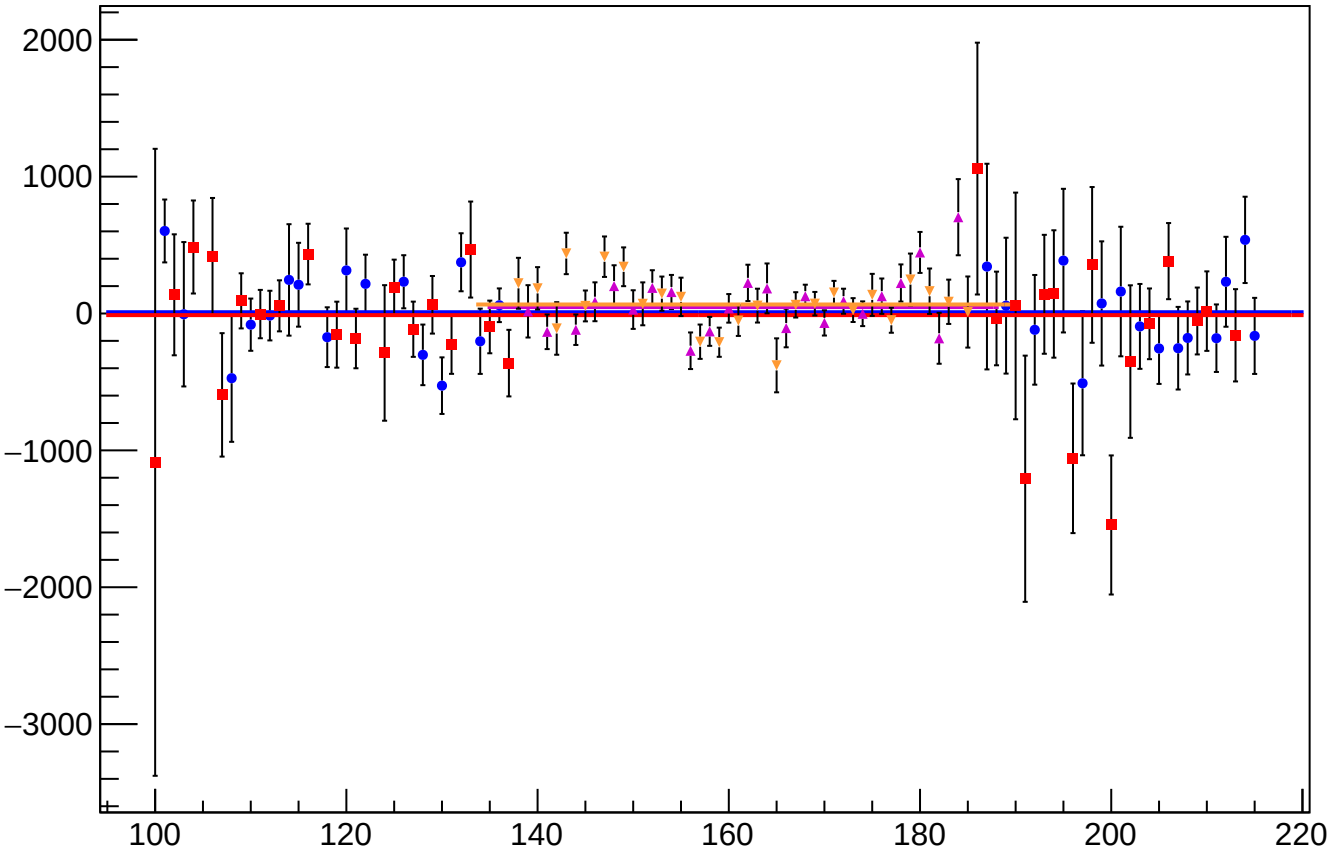
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2046.307+/-0.250 χ^2/NDF: 8747649.3/64

In: 948.034+/-0.125 χ^2/NDF:17412949.6/53

Out: 948.962+/-0.125 χ^2/NDF:17973092.9/58

All: 948.502+/-0.088 χ^2/NDF: 35386070.1/11



Right In: 9.173+/-46.658 χ^2/NDF: 33.9/30

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -11.914+/-48.851 χ^2/NDF: 36.6/33

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

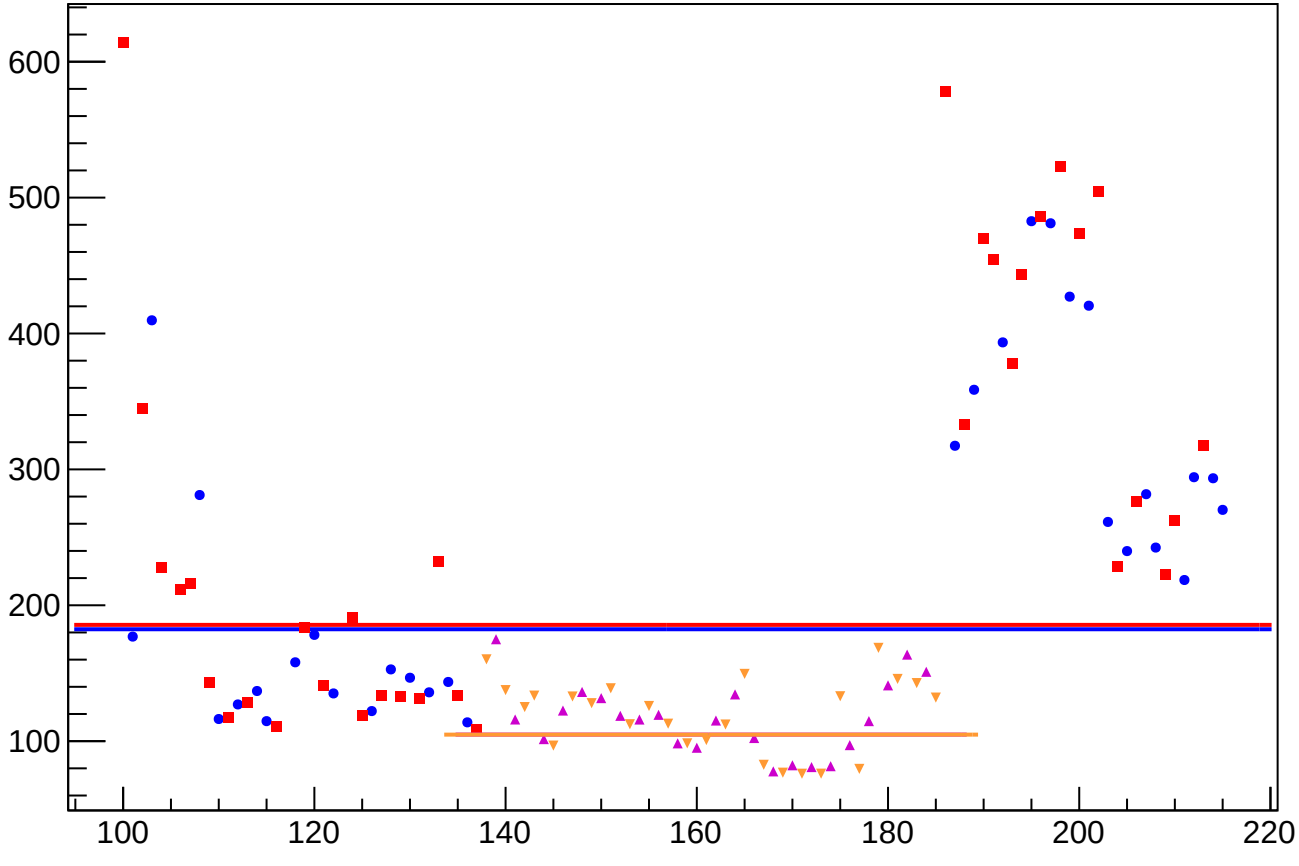
Right: -0.886+/-33.741 χ^2/NDF: 70.7/64

In: 38.226+/-22.508 χ^2/NDF:73.1/53

Out: 49.533+/-22.297 χ^2/NDF:78.7/58

All: 43.933+/-15.840 χ^2/NDF: 151.9/112

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 182.357+/-0.033 χ^2/NDF: 6721638.3/30

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 185.575+/-0.035 χ^2/NDF: 7765727.7/33

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

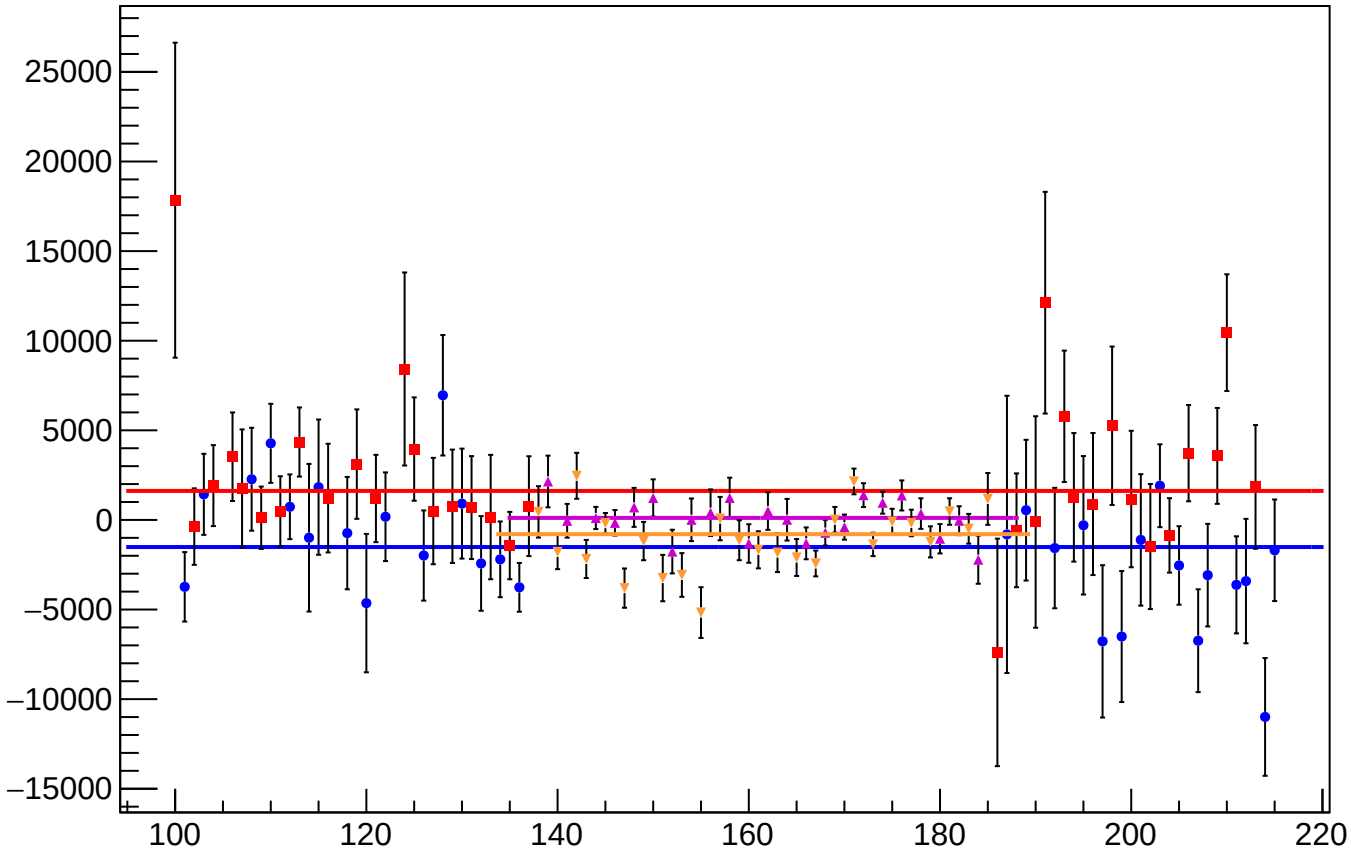
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 183.892+/-0.024 χ^2/NDF: 14491903.6/64

In: 122.876+/-0.016 χ^2/NDF:12572493.9/53

Out: 121.635+/-0.016 χ^2/NDF:14336376.9/58

All: 122.250+/-0.011 χ^2/NDF: 26911939.5/11



Right In: -1512.108+/-480.329 χ^2/NDF: 44.2/30

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1618.697+/-487.988 χ^2/NDF: 31.9/33

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

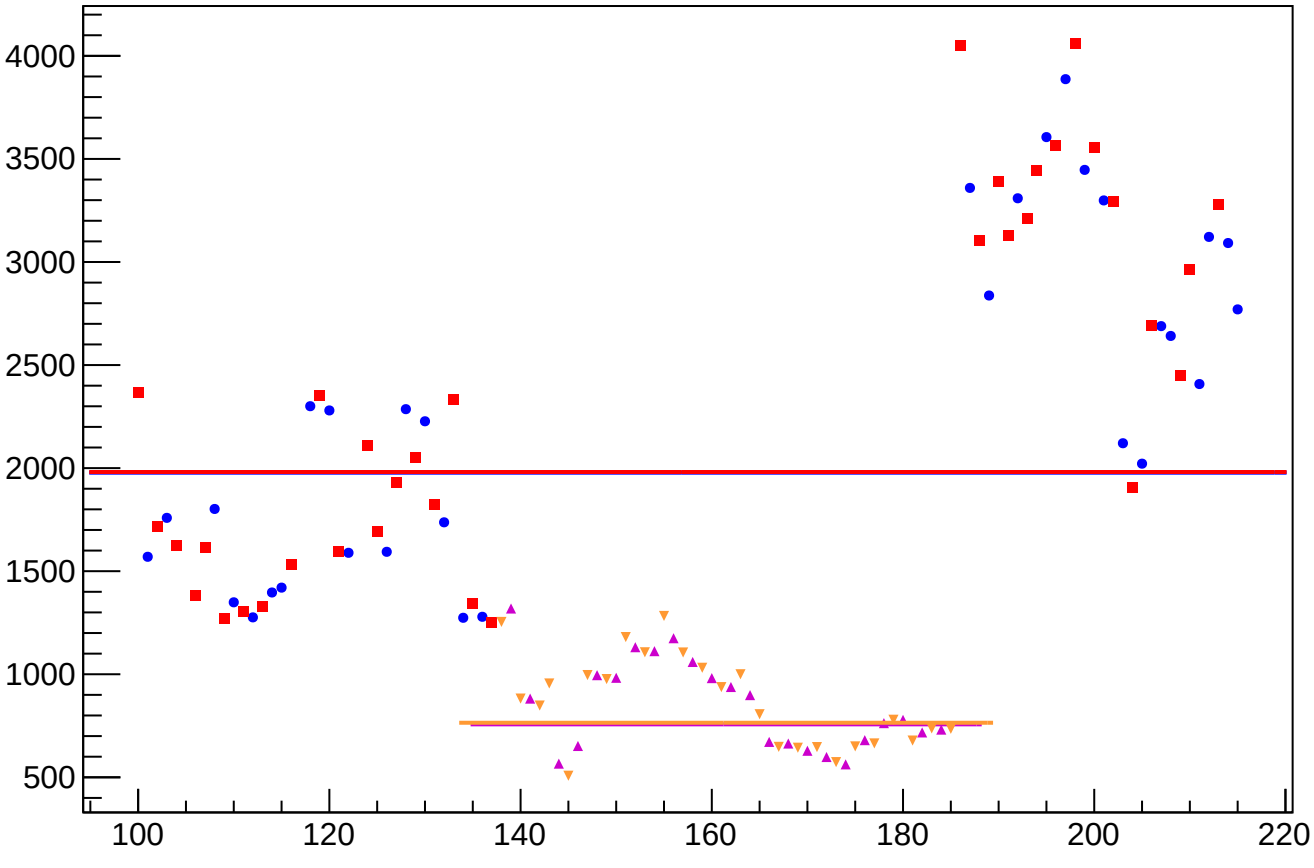
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 28.531+/-342.320 χ^2/NDF: 97.0/64

In: -92.642+/-171.112 χ^2/NDF:80.5/53

Out: -504.520+/-168.792 χ^2/NDF:123.5/58

All: -301.392+/-120.166 χ^2/NDF: 206.9/112



Right In: 1977.971+/-0.340 χ^2/NDF: 4296516.5/30

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1981.143+/-0.345 χ^2/NDF: 4828414.1/33

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

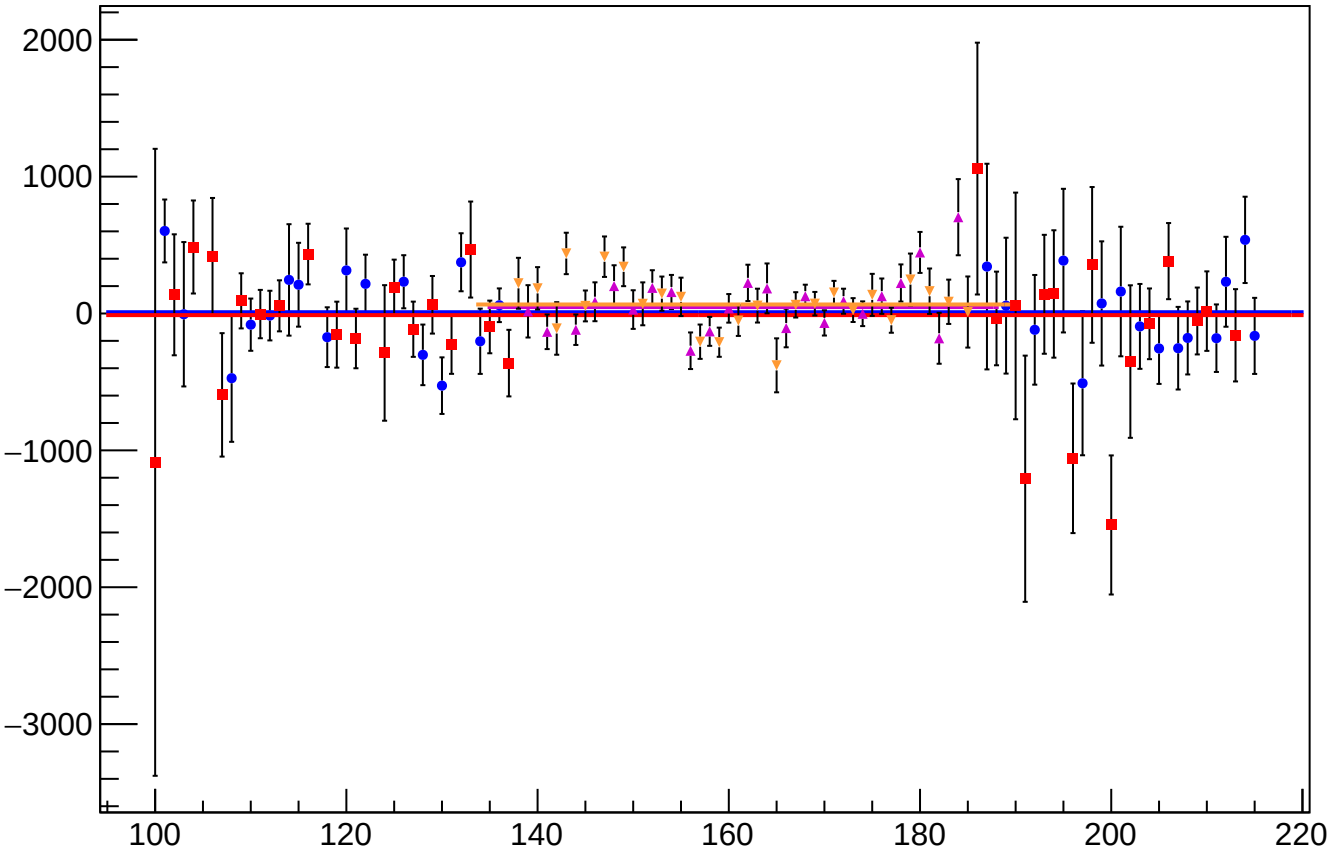
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1979.532+/-0.242 χ^2/NDF: 9124973.5/64

In: 911.884+/-0.121 χ^2/NDF:17696134.9/53

Out: 910.268+/-0.119 χ^2/NDF:18194270.2/58

All: 911.065+/-0.085 χ^2/NDF: 35890495.4/1



Right In: 9.173+/-46.658 χ^2/NDF: 34.0/30

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -11.918+/-48.852 χ^2/NDF: 36.6/33

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

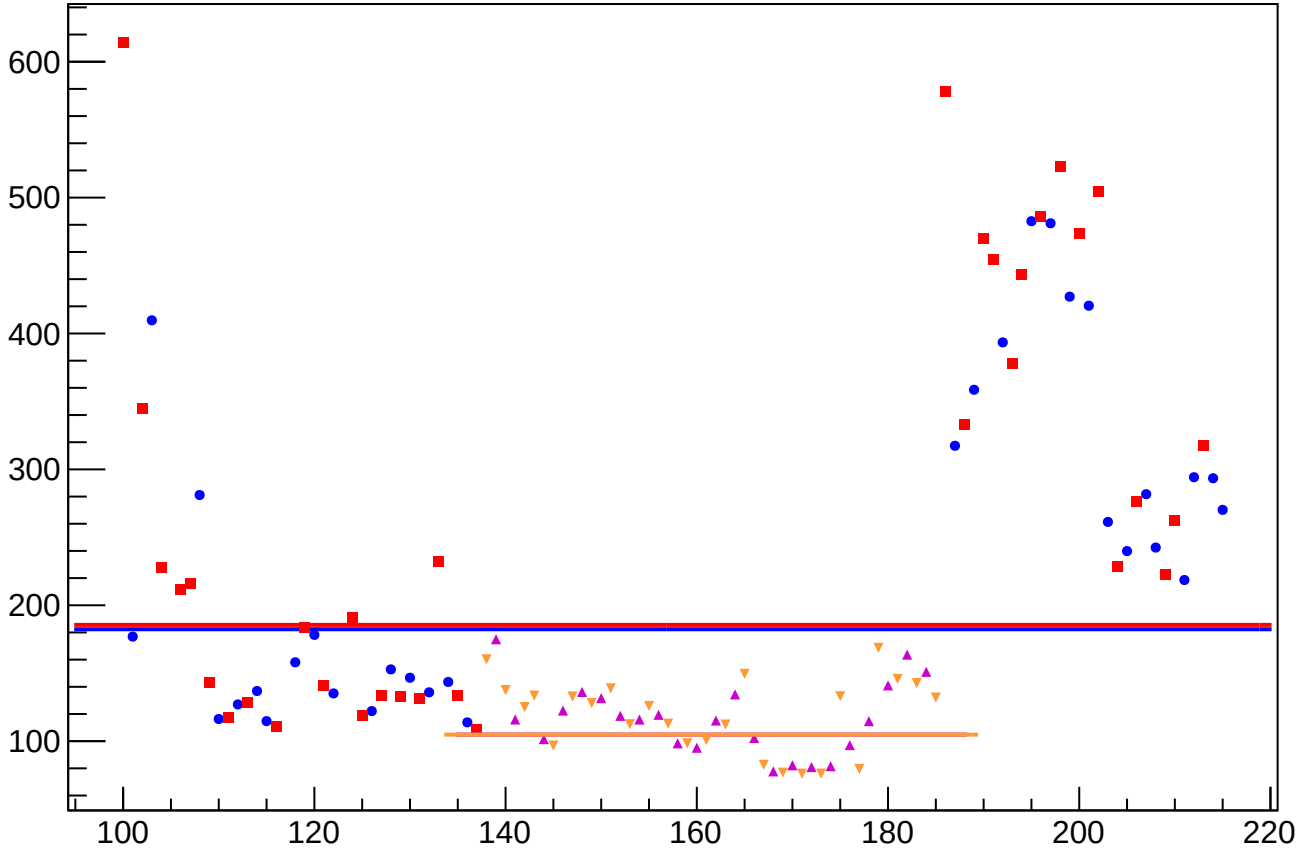
Right: -0.888+/-33.741 χ^2/NDF: 70.7/64

In: 38.226+/-22.508 χ^2/NDF:73.1/53

Out: 49.533+/-22.297 χ^2/NDF:78.7/58

All: 43.933+/-15.841 χ^2/NDF: 151.9/112

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 182.358+/-0.033 χ^2/NDF: 6721626.3/30

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 185.576+/-0.035 χ^2/NDF: 7765707.0/33

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

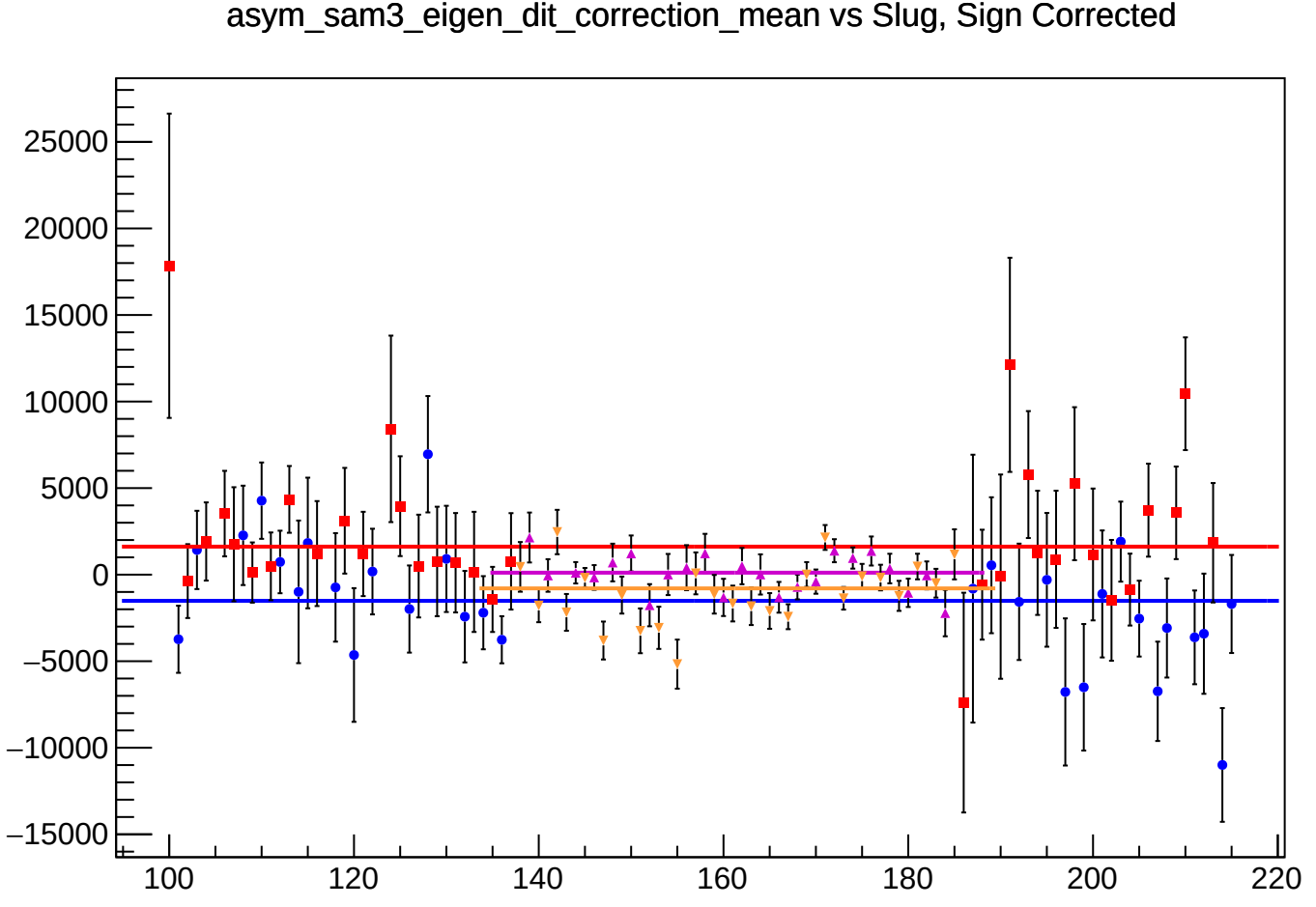
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 183.893+/-0.024 χ^2/NDF: 14491871.5/64

In: 122.876+/-0.016 χ^2/NDF:12572476.3/53

Out: 121.635+/-0.016 χ^2/NDF:14336376.7/58

All: 122.250+/-0.011 χ^2/NDF: 26911921.4/11



Right In: -1512.106+/-480.329 χ^2/NDF: 44.2/30

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1618.695+/-487.988 χ^2/NDF: 31.9/33

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

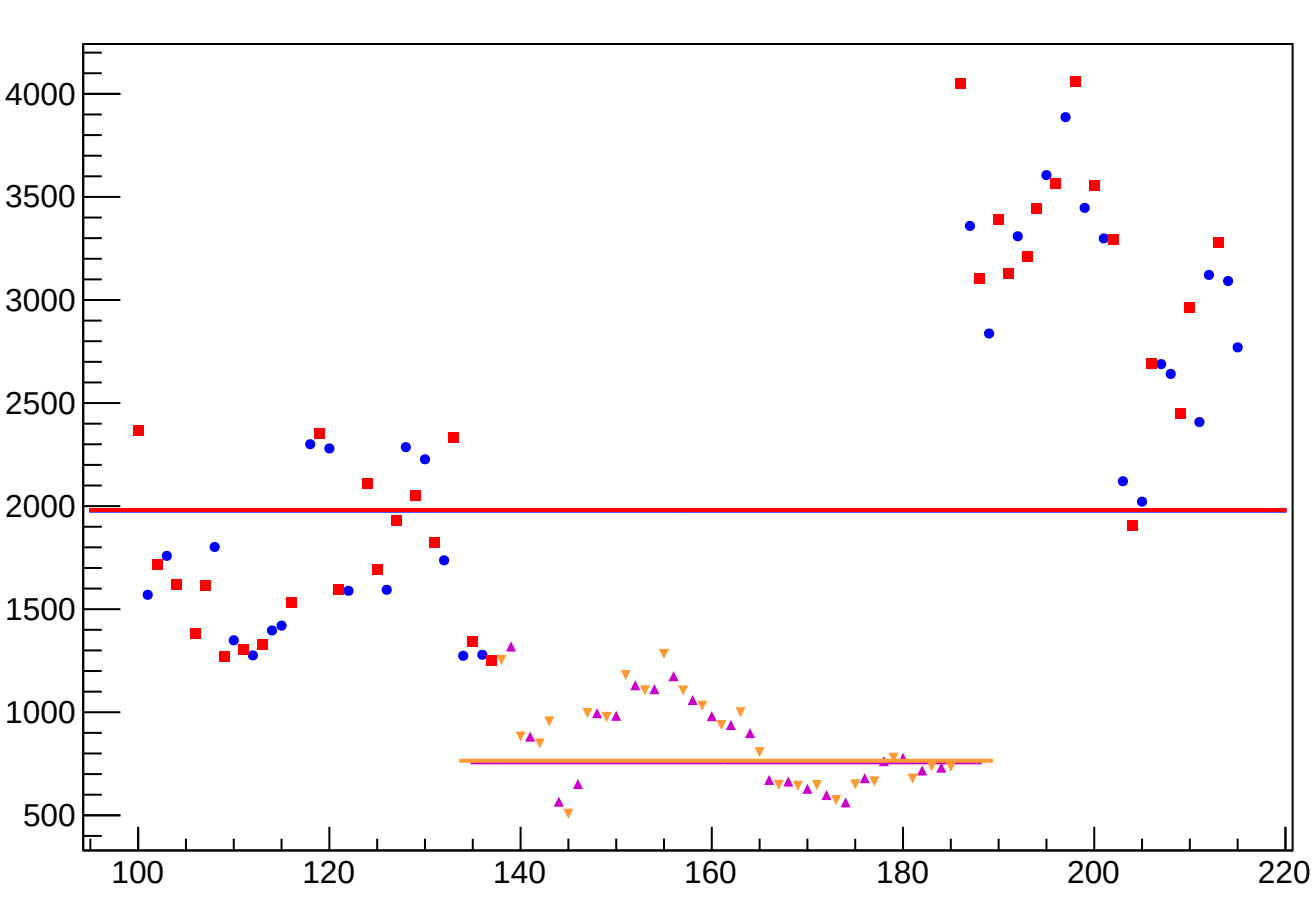
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 28.532+/-342.319 χ^2/NDF: 97.0/64

In: -92.642+/-171.112 χ^2/NDF:80.5/53

Out: -504.521+/-168.792 χ^2/NDF:123.5/58

All: -301.392+/-120.166 χ^2/NDF: 206.9/112



Right In: 1977.969+/-0.340 χ^2/NDF: 4296515.2/30

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1981.141+/-0.345 χ^2/NDF: 4828416.3/33

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

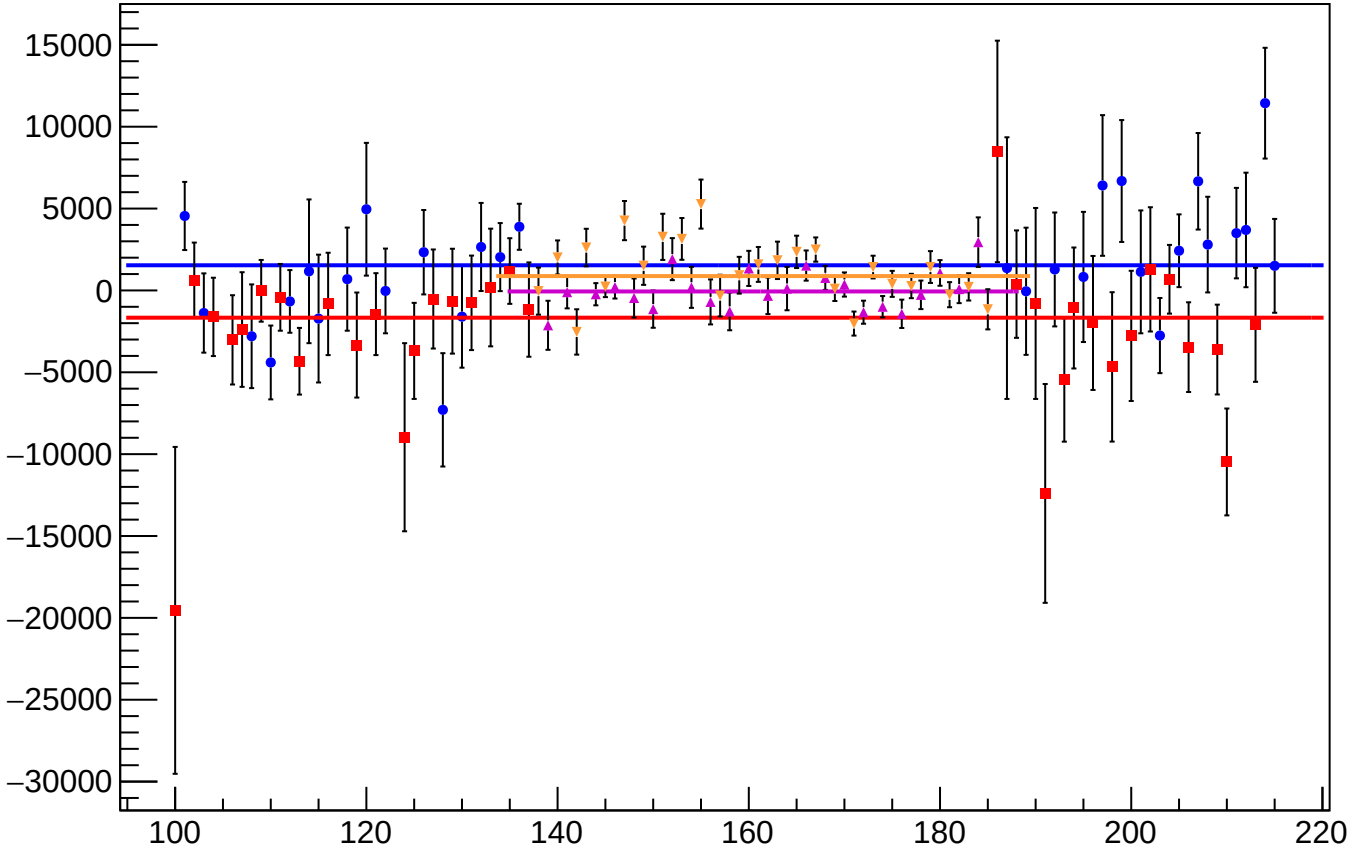
Right: 1979.530+/-0.242 χ^2/NDF: 9124974.4/64

In: 911.883+/-0.121 χ^2/NDF:17696128.9/53

Out: 910.268+/-0.119 χ^2/NDF:18194257.8/58

All: 911.065+/-0.085 χ^2/NDF: 35890477.1/11

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1536.331+/-494.869 χ^2/NDF: 45.9/30

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1665.370+/-509.530 χ^2/NDF: 29.3/33

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

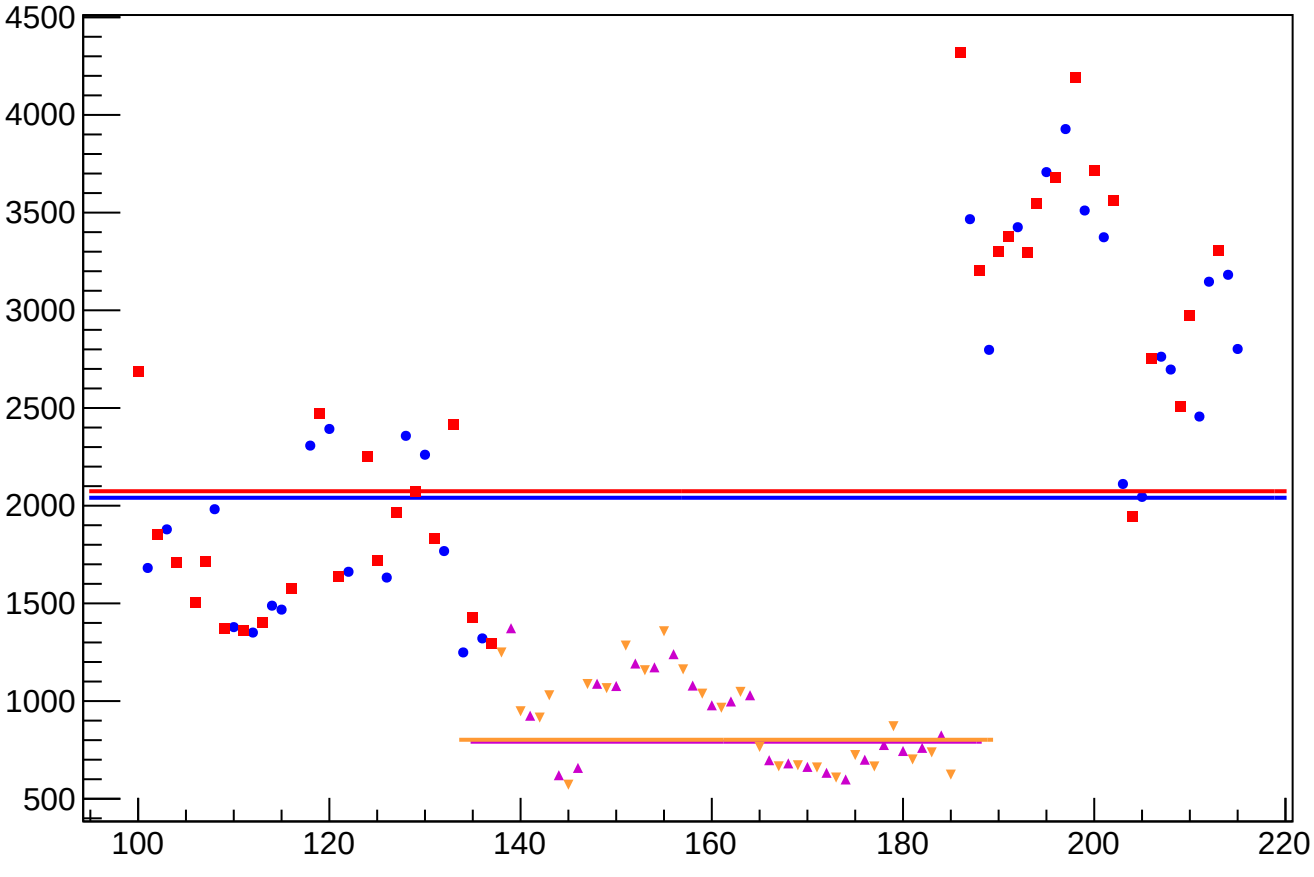
Right: -17.798+/-354.995 χ^2/NDF: 95.5/64

In: 145.698+/-178.672 χ^2/NDF:82.1/53

Out: 569.055+/-177.201 χ^2/NDF:118.5/58

All: 359.127+/-125.817 χ^2/NDF: 203.4/112

asym_sam3_rms vs Slug, Sign Corrected



Right In: 2040.607+/-0.350 χ^2/NDF: 4155364.5/30

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2074.051+/-0.360 χ^2/NDF: 4604777.5/33

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

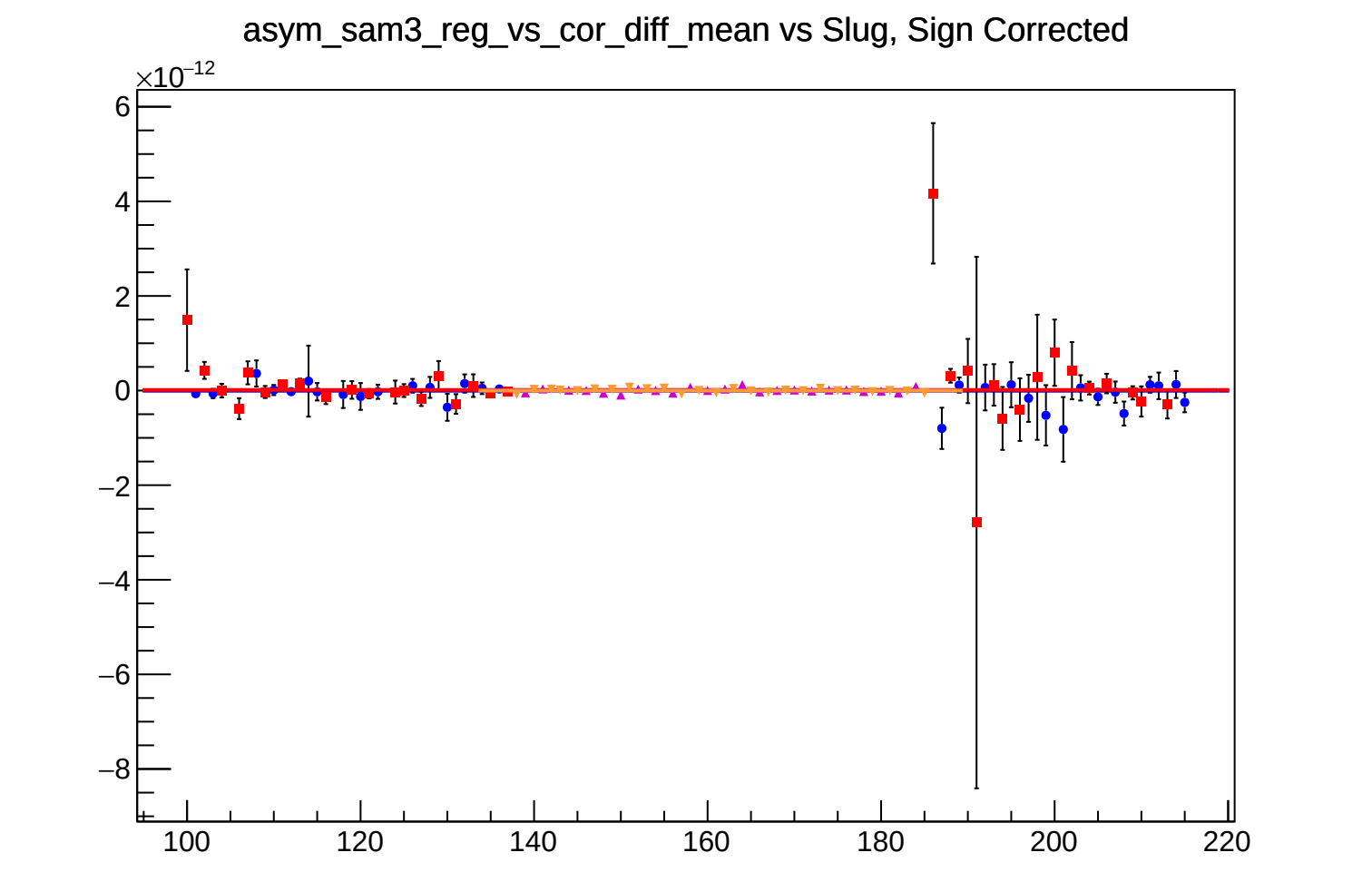
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 2056.841+/-0.251 χ^2/NDF: 8764575.9/64

In: 954.817+/-0.126 χ^2/NDF:17362247.6/53

Out: 955.862+/-0.125 χ^2/NDF:17958150.3/58

All: 955.344+/-0.089 χ^2/NDF: 35320432.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.7/33

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

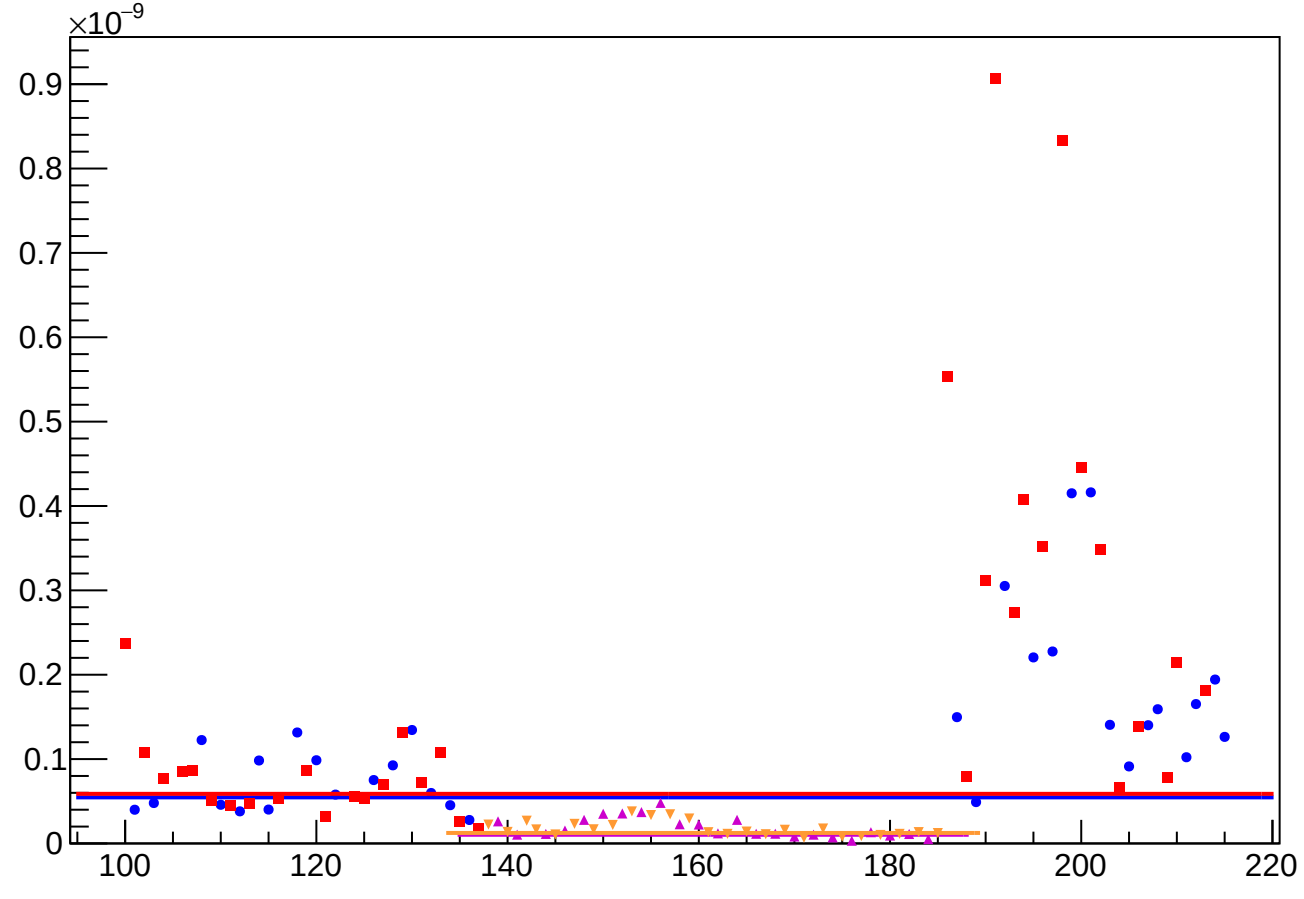
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 61.6/64

In: 0.000+/-0.000 χ^2/NDF:51.4/53

Out: -0.000+/-0.000 χ^2/NDF:65.9/58

All: 0.000+/-0.000 χ^2/NDF: 118.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 5987016.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6628846.5/33

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

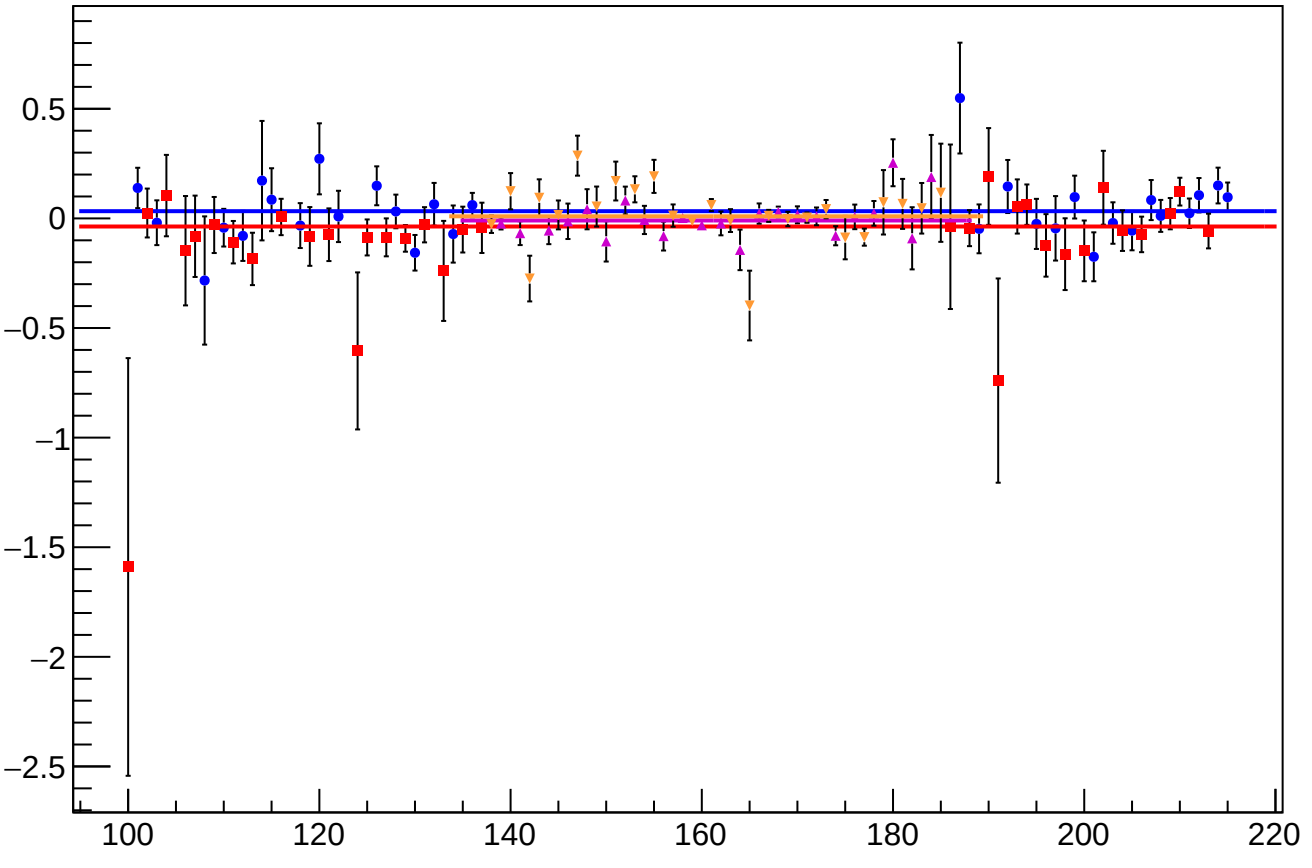
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12640914.8/64

In: 0.000+/-0.000 χ^2/NDF:15619232.3/53

Out: 0.000+/-0.000 χ^2/NDF:14226161.5/58

All: 0.000+/-0.000 χ^2/NDF: 30032386.1/112



Right In: 0.033+/-0.017 χ^2/NDF: 31.2/30

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.037+/-0.018 χ^2/NDF: 26.2/33

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

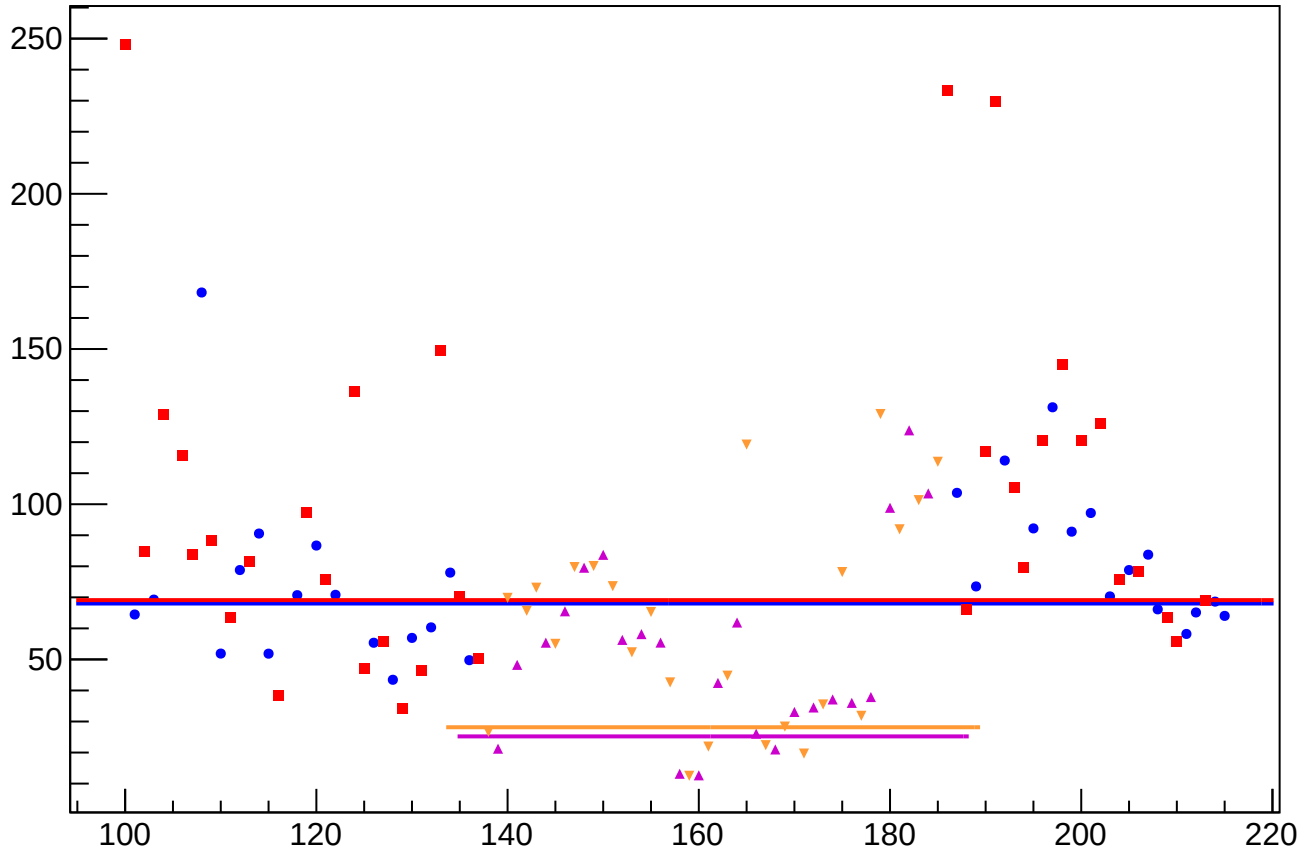
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.000+/-0.013 χ^2/NDF: 65.2/64

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.000+/-0.005 χ^2/NDF: 147.8/112



Right In: 68.014+/-0.012 χ^2/NDF: 2102449.7/30

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.107+/-0.013 χ^2/NDF: 4468328.4/33

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

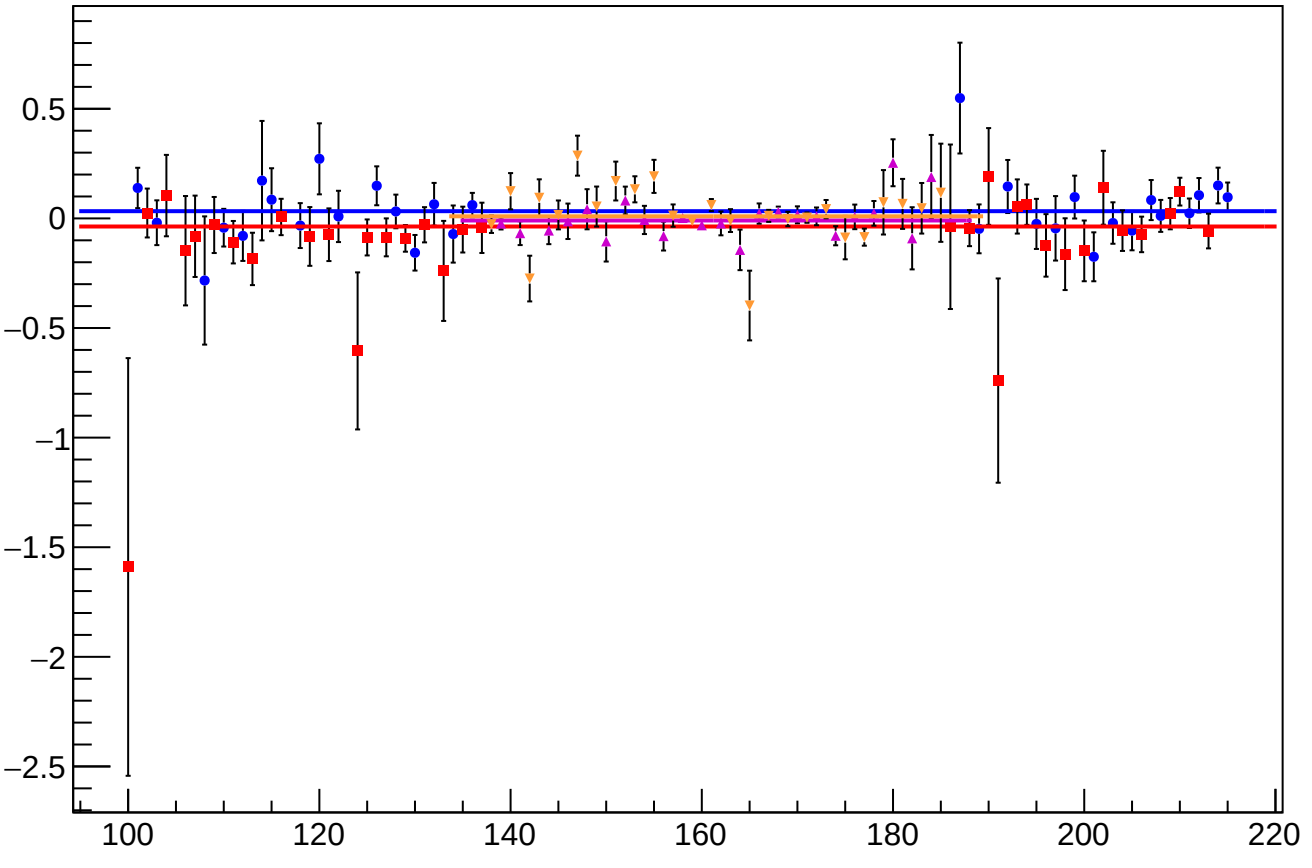
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.523+/-0.009 χ^2/NDF: 6574575.5/64

In: 32.765+/-0.005 χ^2/NDF:22374298.6/53

Out: 35.342+/-0.005 χ^2/NDF:23772746.9/58

All: 33.969+/-0.004 χ^2/NDF: 46266994.4/112



Right In: 0.033+/-0.017 χ^2/NDF: 31.2/30

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.037+/-0.018 χ^2/NDF: 26.2/33

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

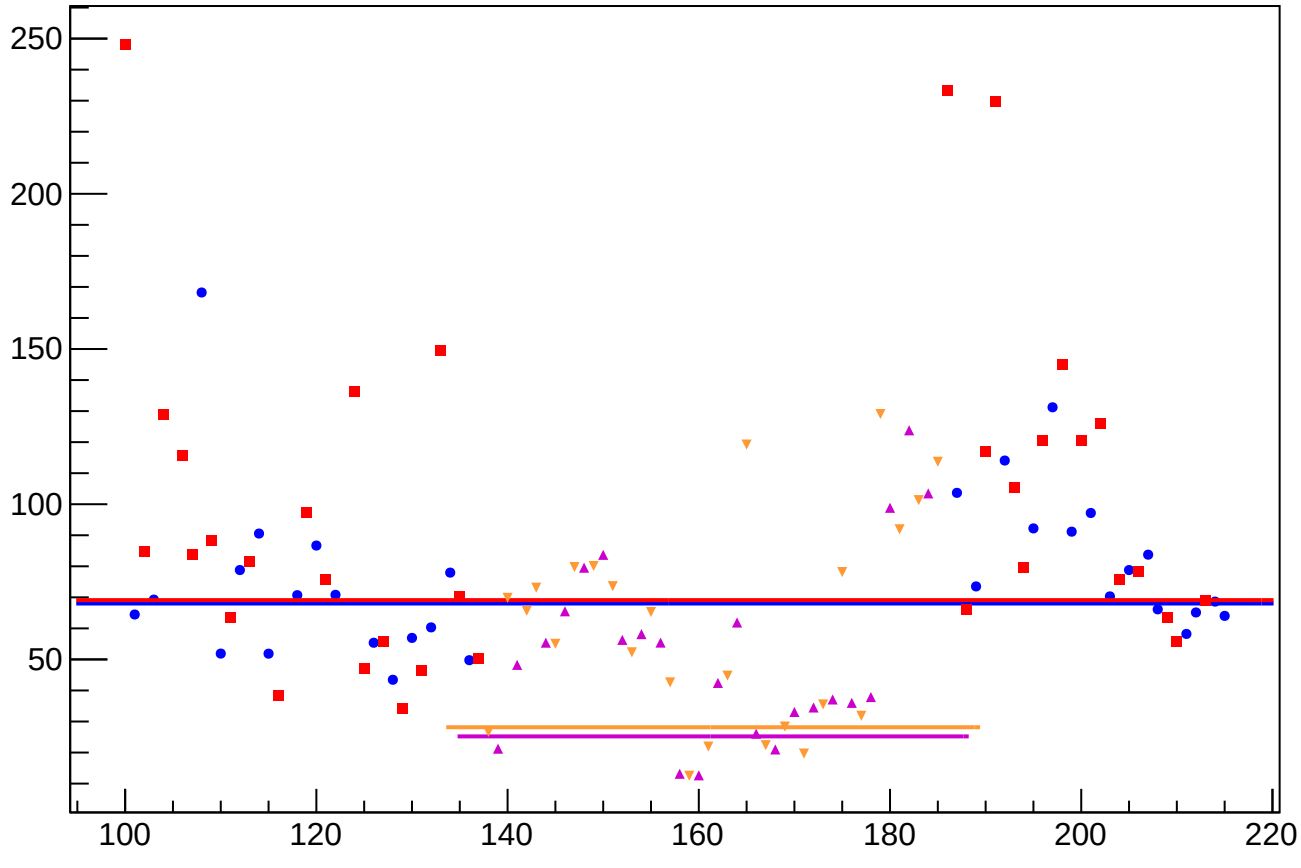
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.000+/-0.013 χ^2/NDF: 65.2/64

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.000+/-0.005 χ^2/NDF: 147.8/112



Right In: 68.014+/-0.012 χ^2/NDF: 2102449.7/30

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.107+/-0.013 χ^2/NDF: 4468328.4/33

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

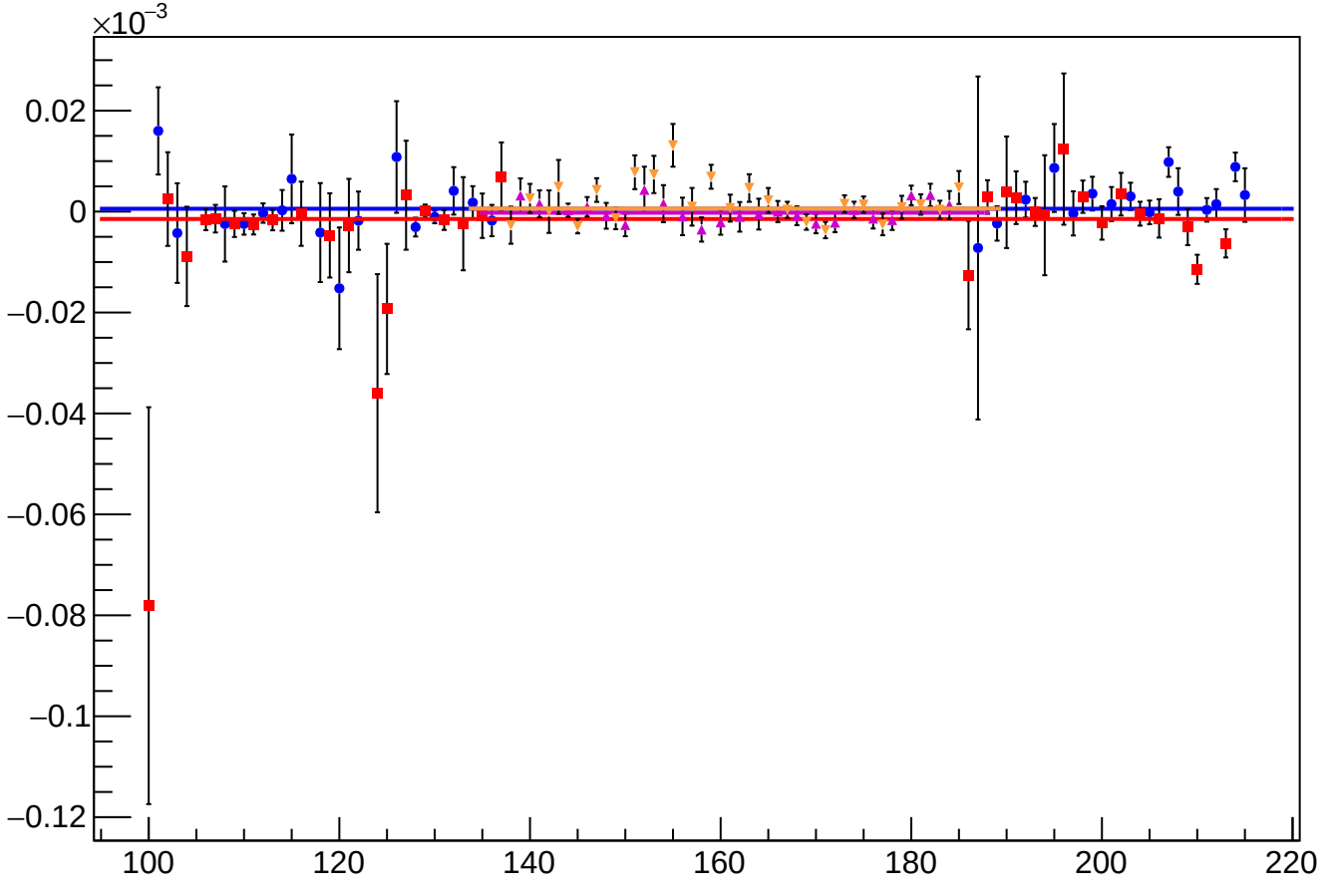
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.523+/-0.009 χ^2/NDF: 6574575.5/64

In: 32.765+/-0.005 χ^2/NDF:22374298.6/53

Out: 35.342+/-0.005 χ^2/NDF:23772746.9/58

All: 33.969+/-0.004 χ^2/NDF: 46266994.4/112



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/33

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

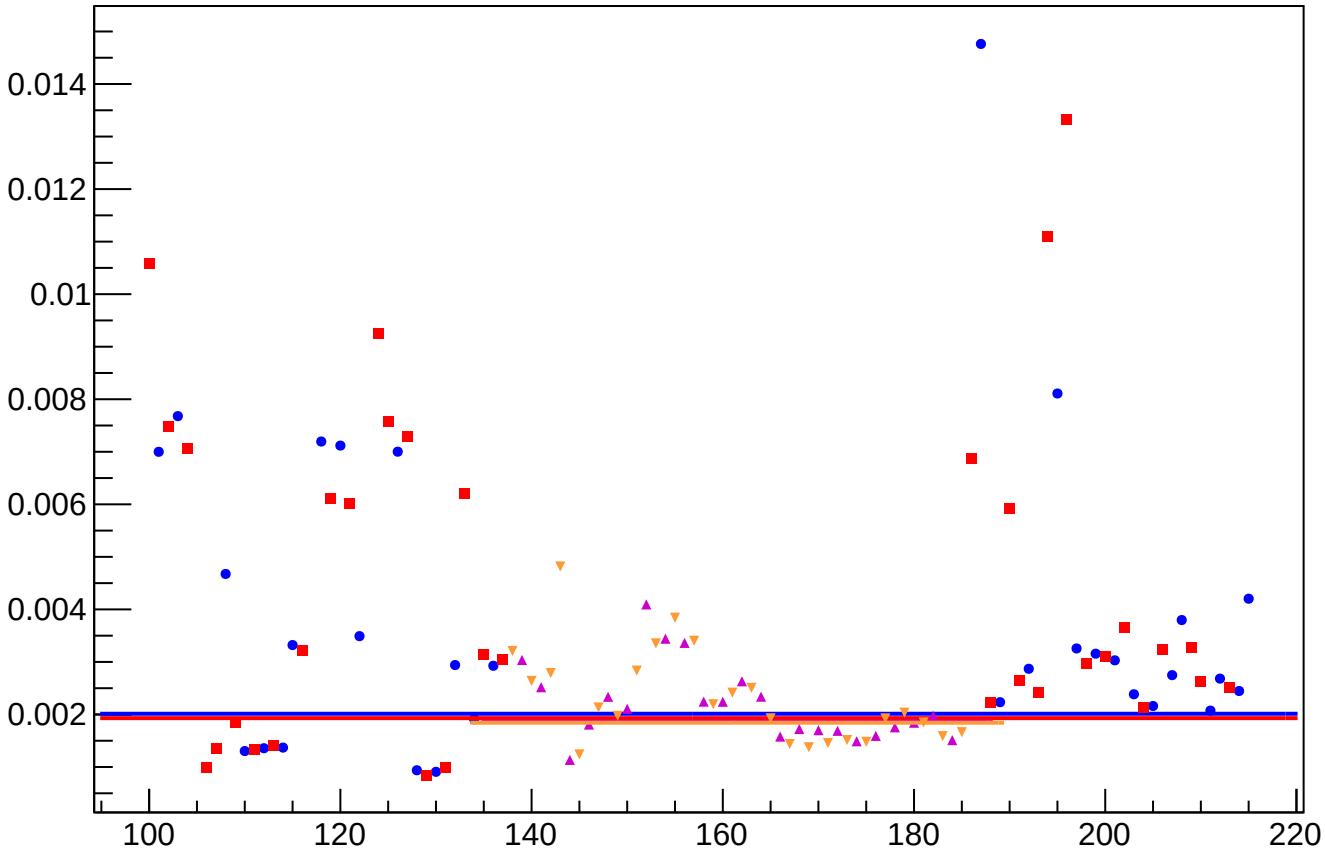
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 81.6/64

In: 0.000+/-0.000 χ^2/NDF:56.9/53

Out: -0.000+/-0.000 χ^2/NDF:96.6/58

All: -0.000+/-0.000 χ^2/NDF: 153.8/112



Right In: 0.002+/-0.000 χ^2/NDF: 8985558.4/30

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11445416.6/33

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

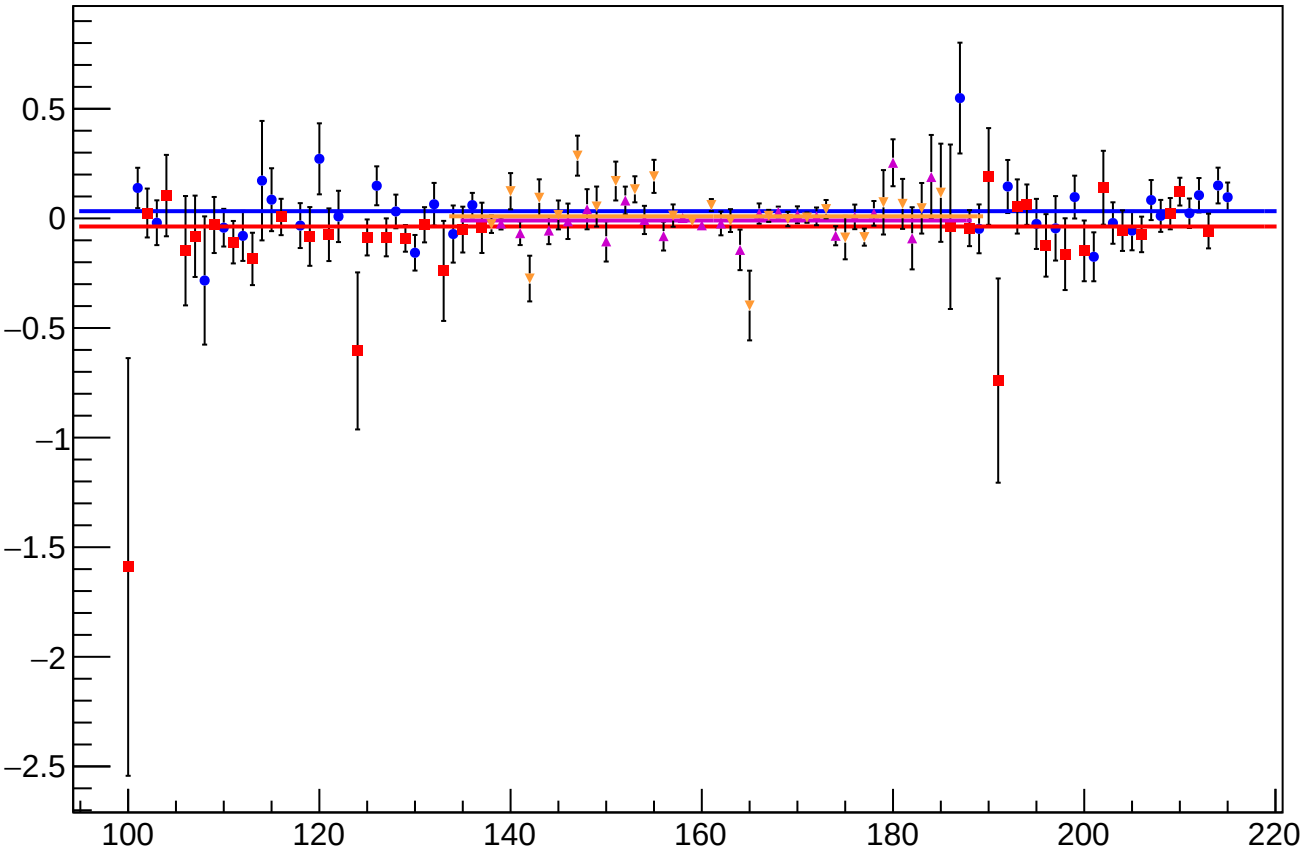
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 20453063.3/64

In: 0.002+/-0.000 χ^2/NDF:11864007.2/53

Out: 0.002+/-0.000 χ^2/NDF:15257924.0/58

All: 0.002+/-0.000 χ^2/NDF: 27140553.2/112



Right In: 0.033+/-0.017 χ^2/NDF: 31.2/30

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.037+/-0.018 χ^2/NDF: 26.2/33

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

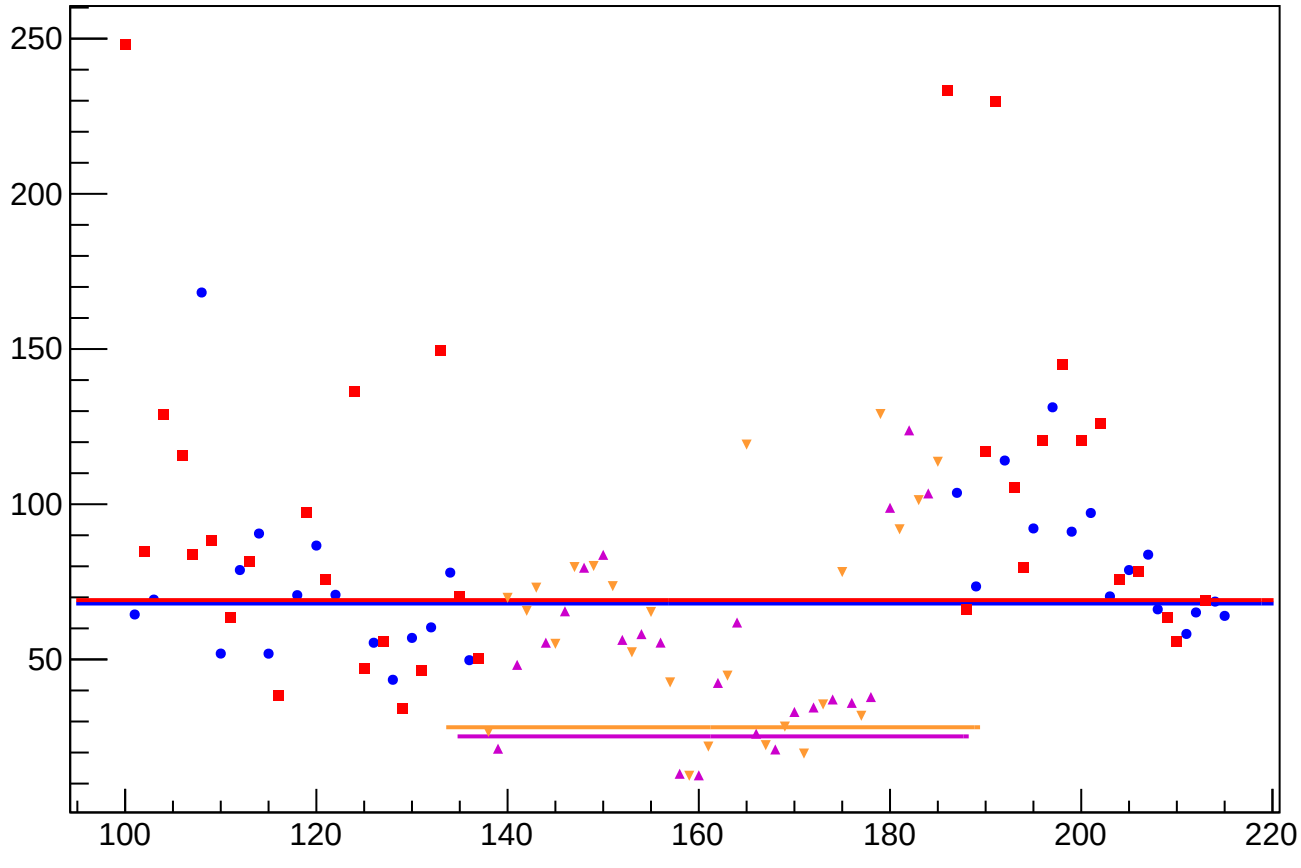
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.000+/-0.013 χ^2/NDF: 65.2/64

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.000+/-0.005 χ^2/NDF: 147.8/112



Right In: 68.015+/-0.012 χ^2/NDF: 2102433.6/30

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.108+/-0.013 χ^2/NDF: 4468380.0/33

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

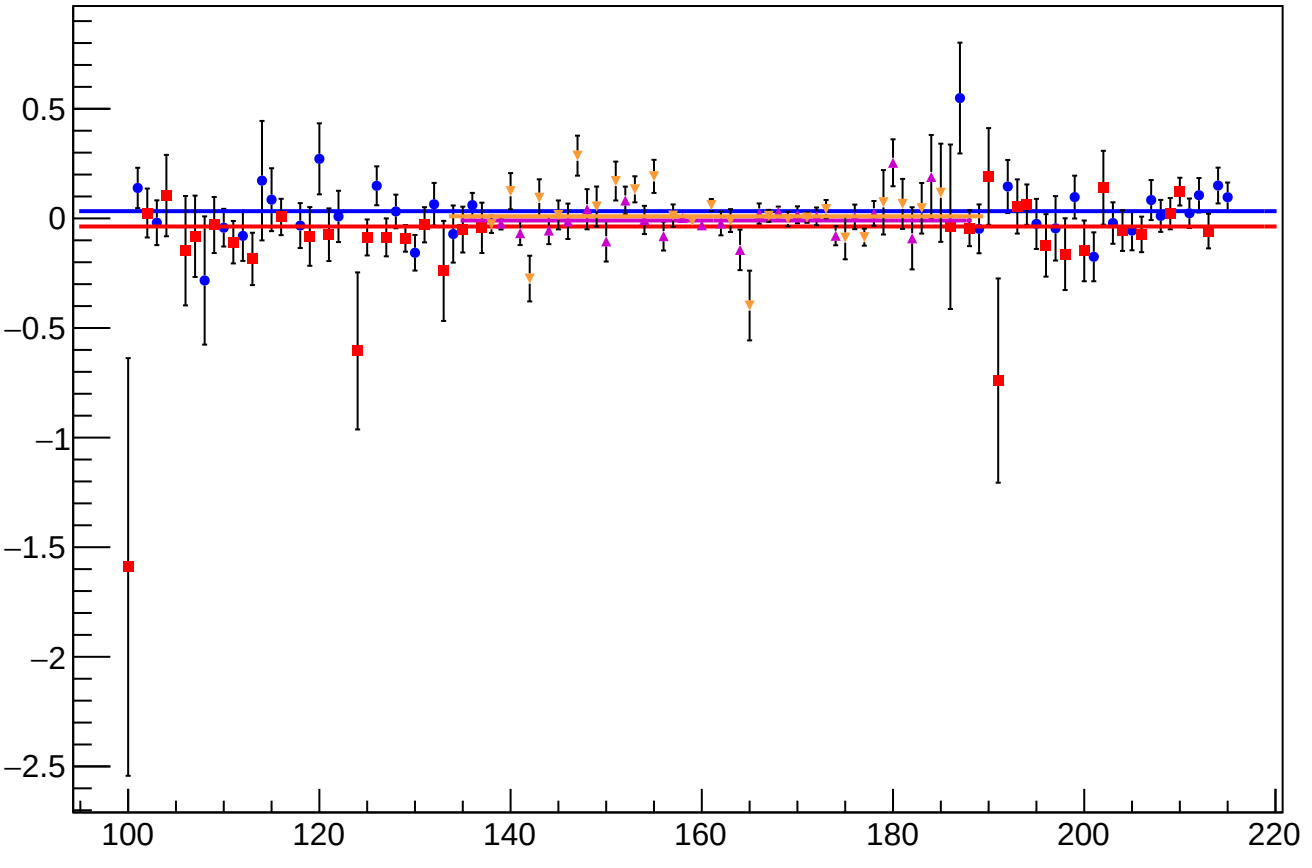
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.524+/-0.009 χ^2/NDF: 6574612.1/64

In: 32.765+/-0.005 χ^2/NDF:22375098.7/53

Out: 35.340+/-0.005 χ^2/NDF:23774596.6/58

All: 33.968+/-0.004 χ^2/NDF: 46269571.6/112



Right In: 0.033+/-0.017 χ^2/NDF: 31.2/30

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.037+/-0.018 χ^2/NDF: 26.2/33

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

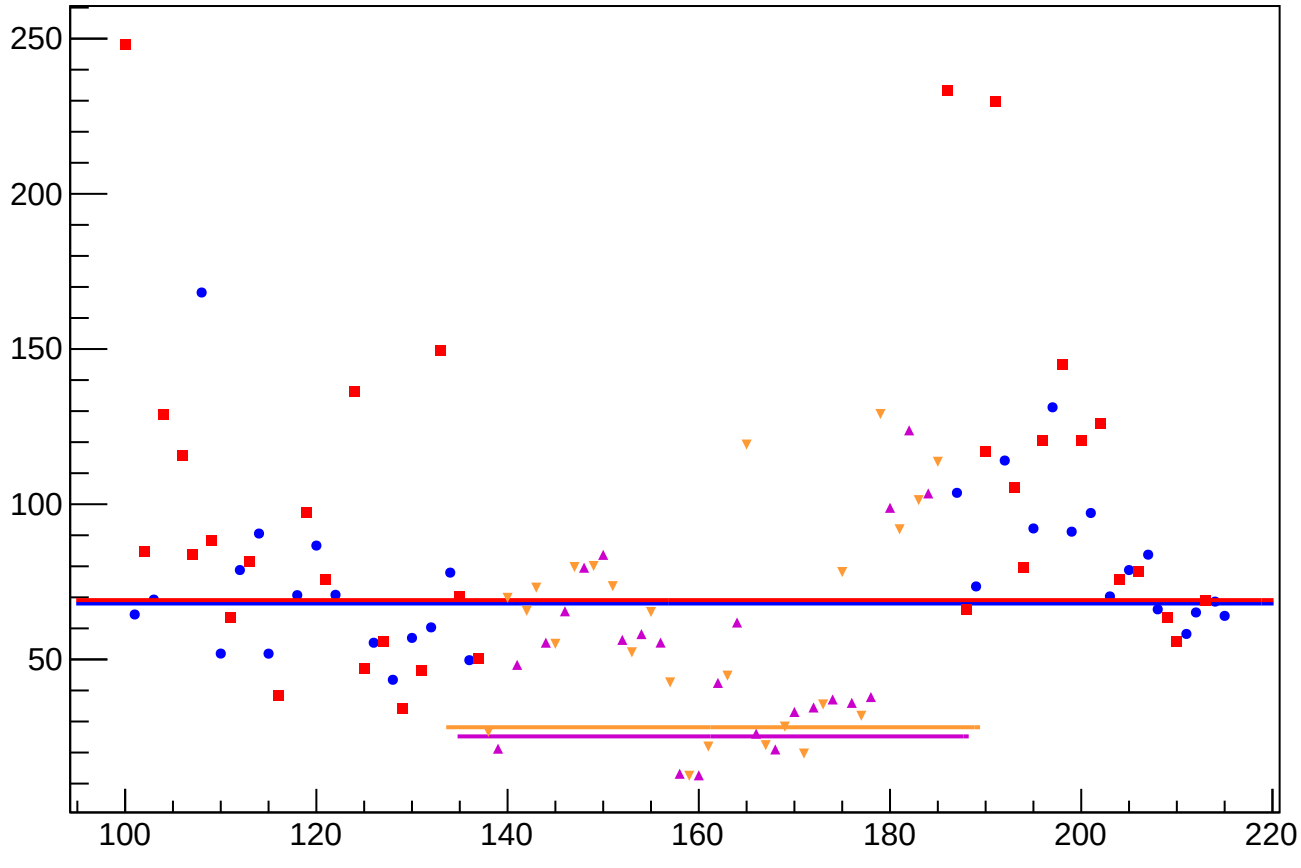
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.000+/-0.013 χ^2/NDF: 65.2/64

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.001+/-0.008 χ^2/NDF:86.2/58

All: -0.000+/-0.005 χ^2/NDF: 147.8/112



Right In: 68.015+/-0.012 χ^2/NDF: 2102433.6/30

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.108+/-0.013 χ^2/NDF: 4468380.0/33

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

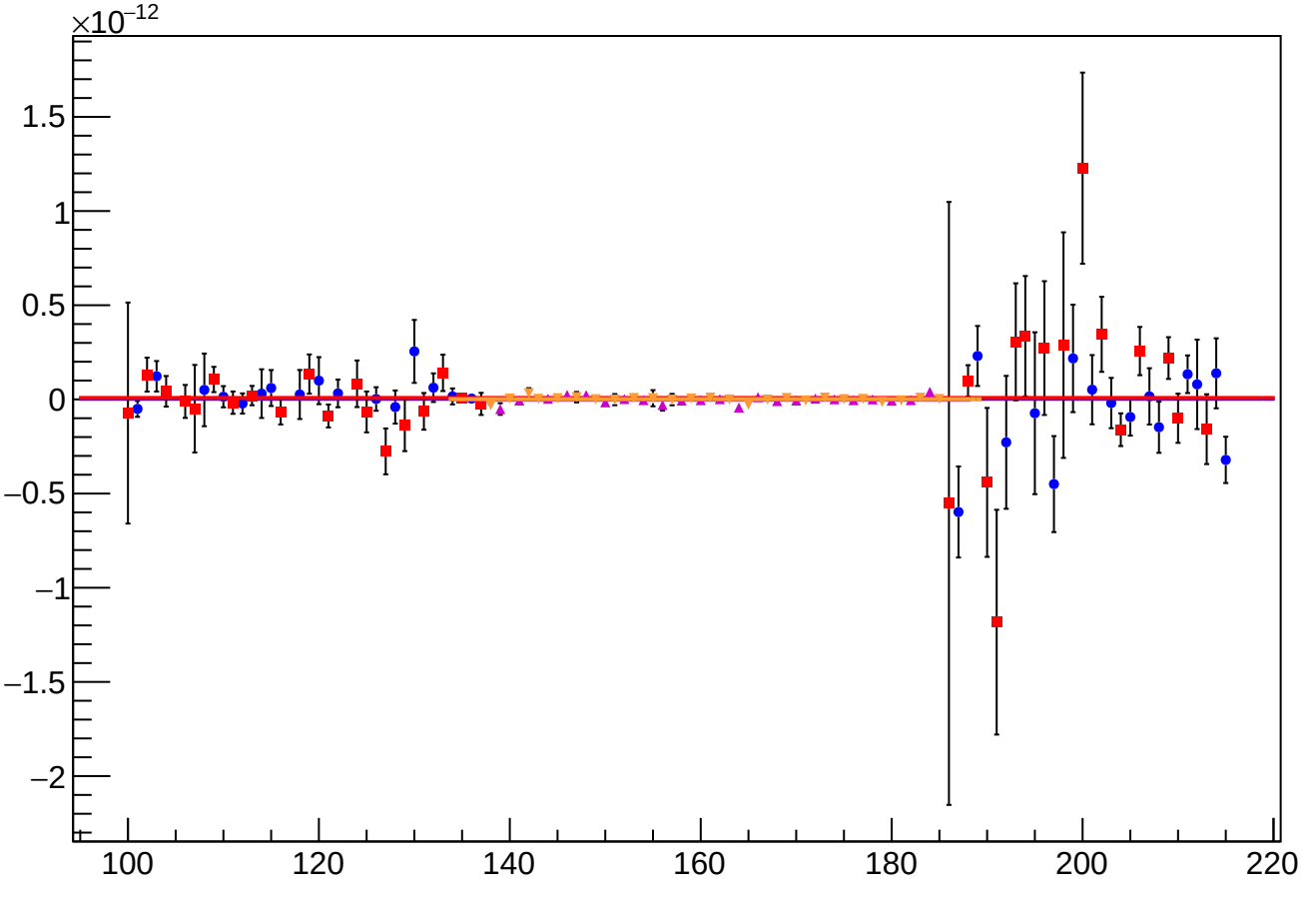
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.524+/-0.009 χ^2/NDF: 6574612.1/64

In: 32.765+/-0.005 χ^2/NDF:22375098.7/53

Out: 35.340+/-0.005 χ^2/NDF:23774596.6/58

All: 33.968+/-0.004 χ^2/NDF: 46269571.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 32.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/33

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

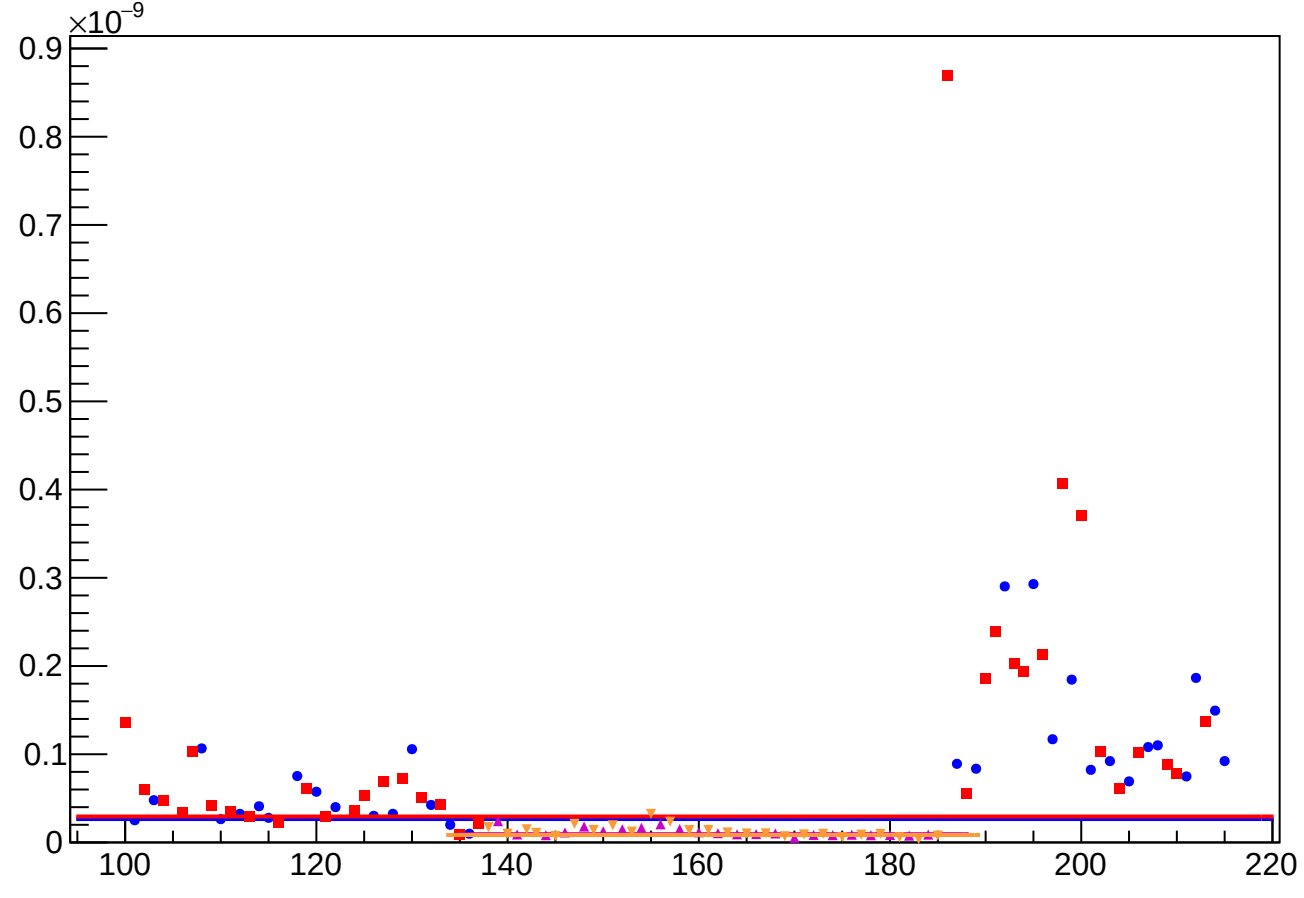
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 83.0/64

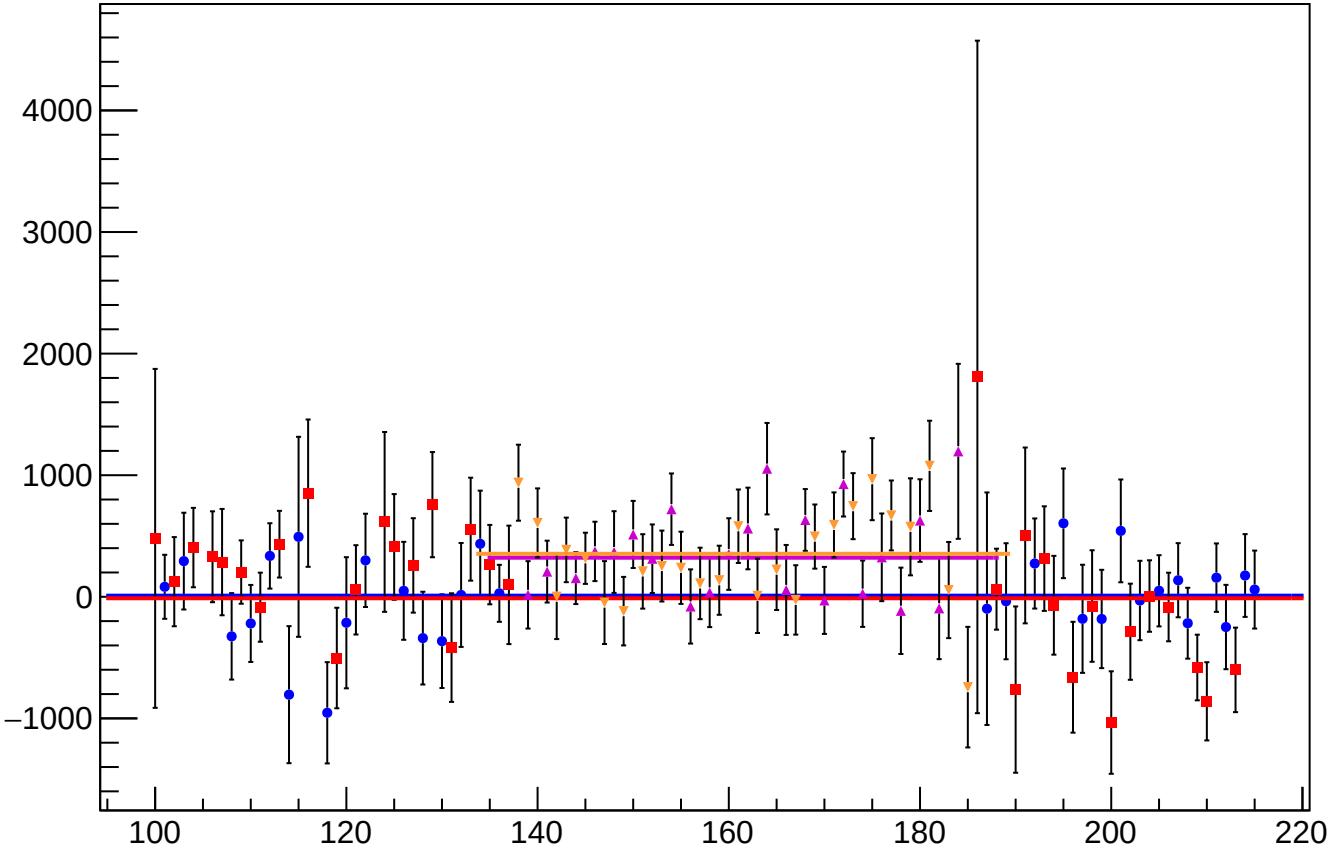
In: -0.000+/-0.000 χ^2/NDF:53.5/53

Out: 0.000+/-0.000 χ^2/NDF:62.0/58

All: 0.000+/-0.000 χ^2/NDF: 116.1/112


asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 12039195.7/30
Left Out: 0.000+/-0.000 χ²/NDF:4343727.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 11369043.1/33
Left In: 0.000+/-0.000 χ²/NDF:2146041.0/22
Left: 0.000+/-0.000 χ²/NDF: 6595432.2/47
Right: 0.000+/-0.000 χ²/NDF: 23463817.0/64
In: 0.000+/-0.000 χ²/NDF:18264569.5/53
Out: 0.000+/-0.000 χ²/NDF:20798479.5/58
All: 0.000+/-0.000 χ²/NDF: 39206974.3/112

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 9.282+/-64.667 χ^2/NDF: 20.9/30

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -12.005+/-65.728 χ^2/NDF: 44.3/33

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

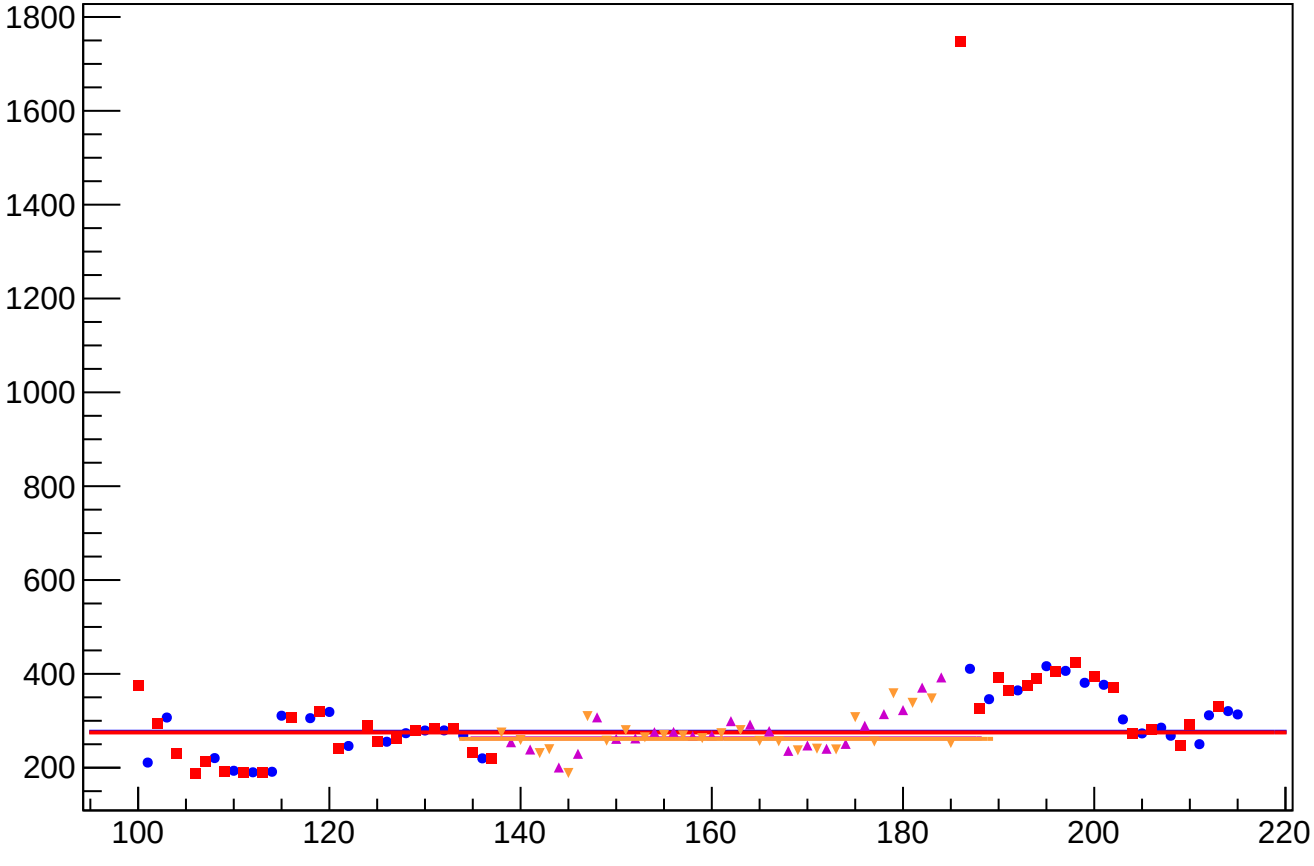
Right: -1.188+/-46.097 χ^2/NDF: 65.3/64

In: 171.684+/-44.796 χ^2/NDF:59.3/53

Out: 186.980+/-44.373 χ^2/NDF:93.5/58

All: 179.405+/-31.525 χ^2/NDF: 152.8/112

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 276.645+/-0.046 χ^2/NDF: 1655091.6/30

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 275.135+/-0.046 χ^2/NDF: 2599161.7/33

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

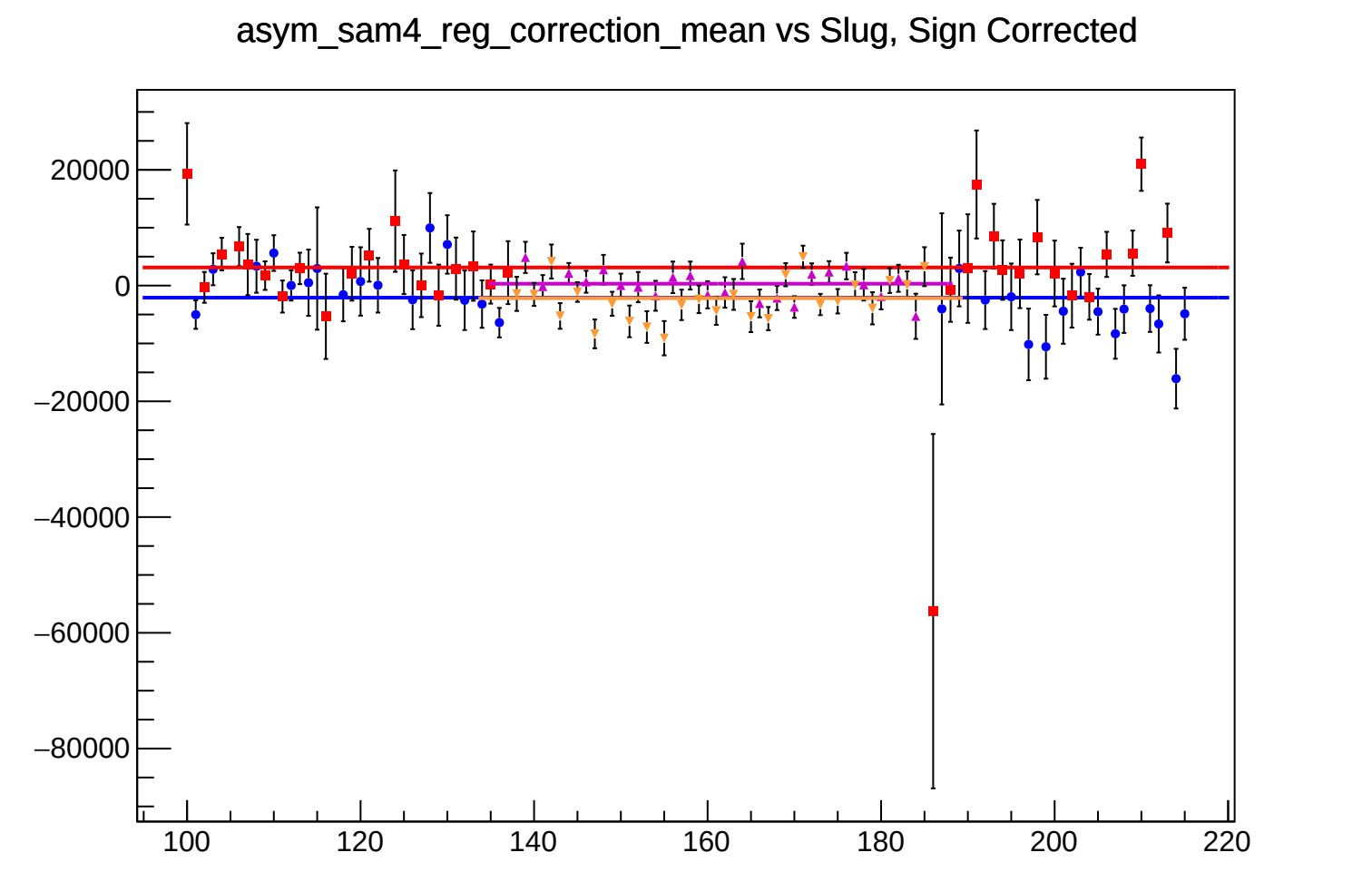
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 275.902+/-0.033 χ^2/NDF: 4254790.0/64

In: 269.348+/-0.032 χ^2/NDF:2374696.3/53

Out: 267.698+/-0.031 χ^2/NDF:3361675.5/58

All: 268.515+/-0.022 χ^2/NDF: 5737742.1/112



Right In: -2091.480+/-761.515 χ^2/NDF: 41.5/30

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 3124.033+/-750.636 χ^2/NDF: 42.7/33

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

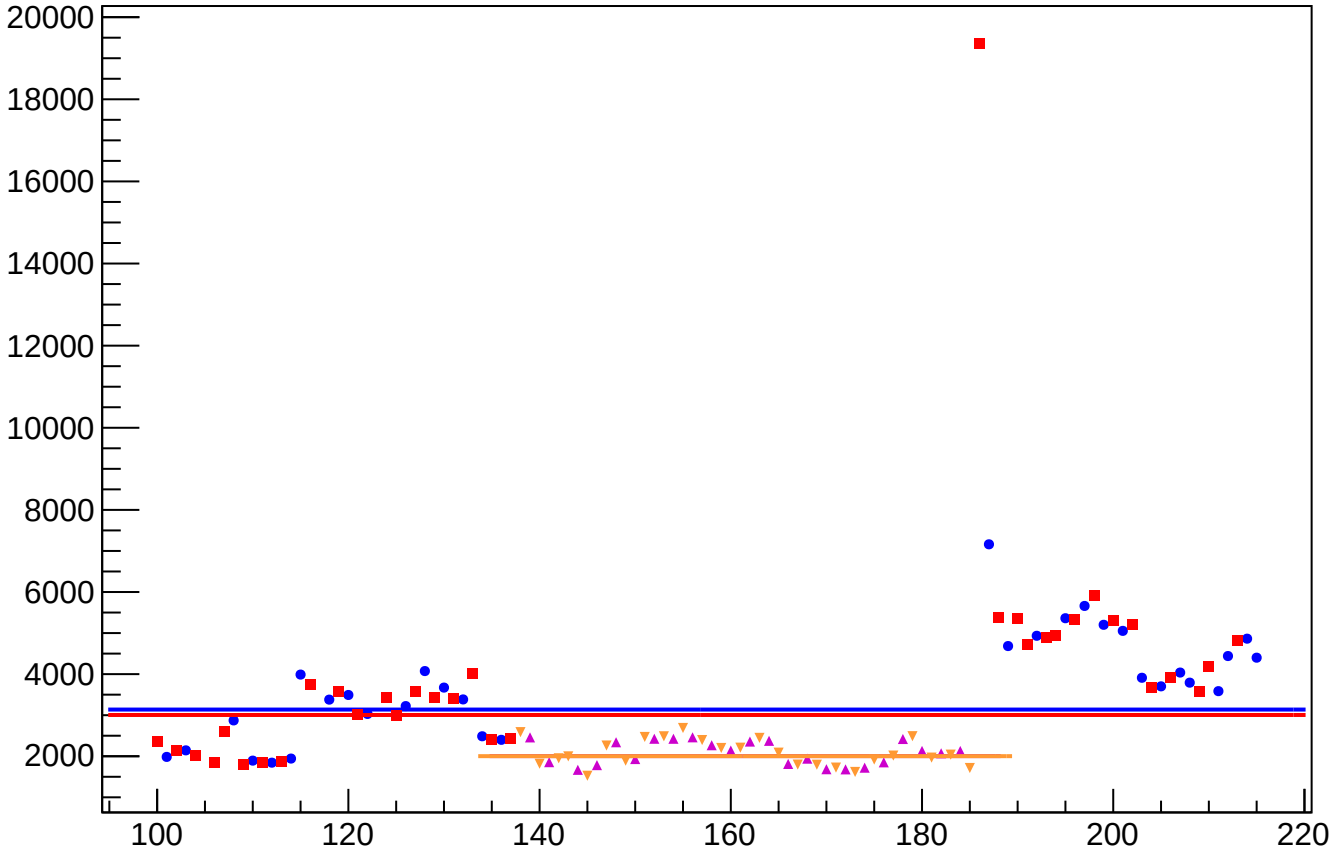
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 553.796+/-534.584 χ^2/NDF: 107.9/64

In: -358.085+/-402.465 χ^2/NDF:72.3/53

Out: -718.464+/-393.233 χ^2/NDF:134.3/58

All: -542.455+/-281.265 χ^2/NDF: 207.0/112



Right In: 3137.162+/-0.538 χ^2/NDF: 4357001.1/30

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 3005.347+/-0.531 χ^2/NDF: 5741483.5/33

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

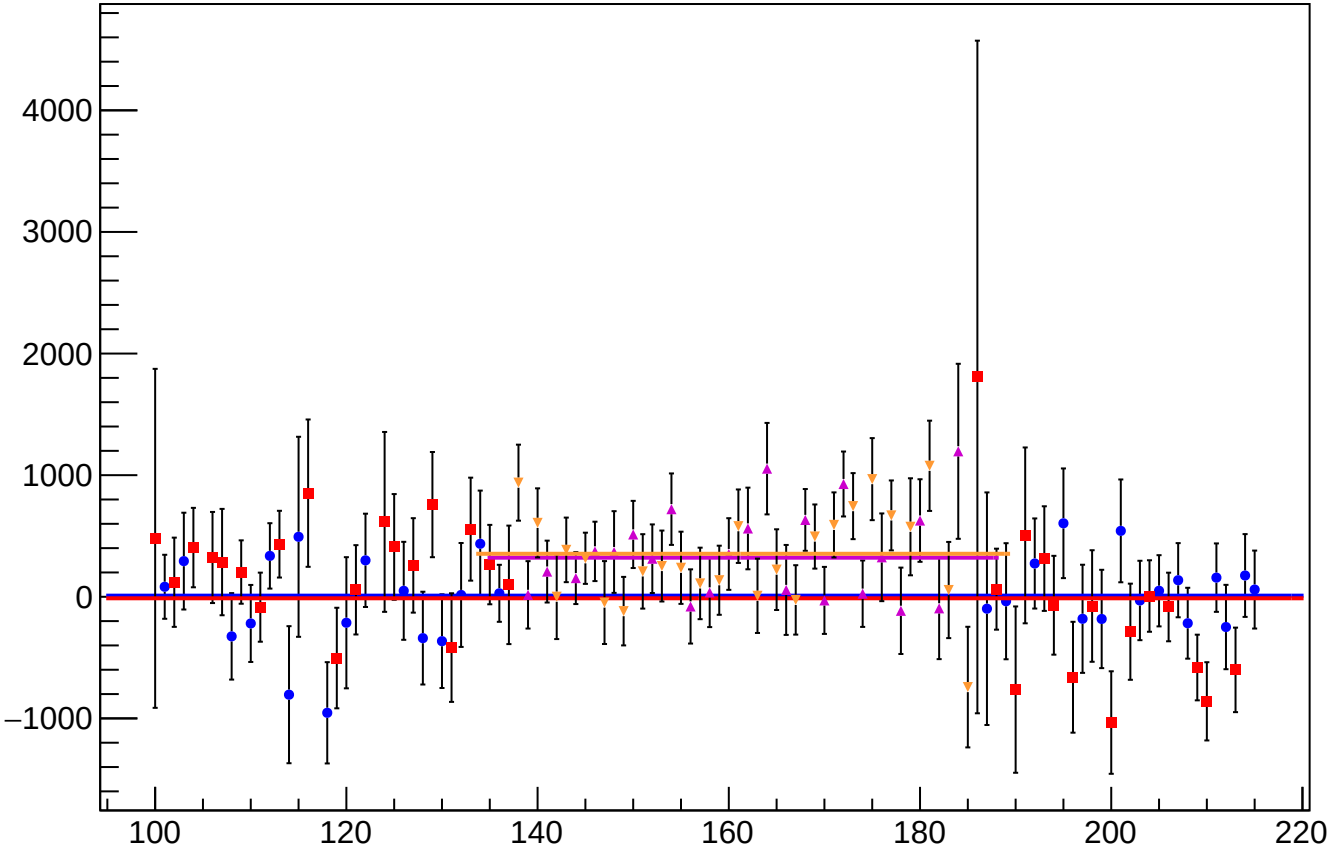
Right: 3070.306+/-0.378 χ^2/NDF: 10128878.0/64

In: 2320.690+/-0.285 χ^2/NDF:8252091.4/53

Out: 2277.520+/-0.278 χ^2/NDF:9225691.1/58

All: 2298.604+/-0.199 χ^2/NDF: 17489554.6/

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 9.269+/-64.667 χ^2/NDF: 20.9/30

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -12.395+/-65.734 χ^2/NDF: 44.3/33

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

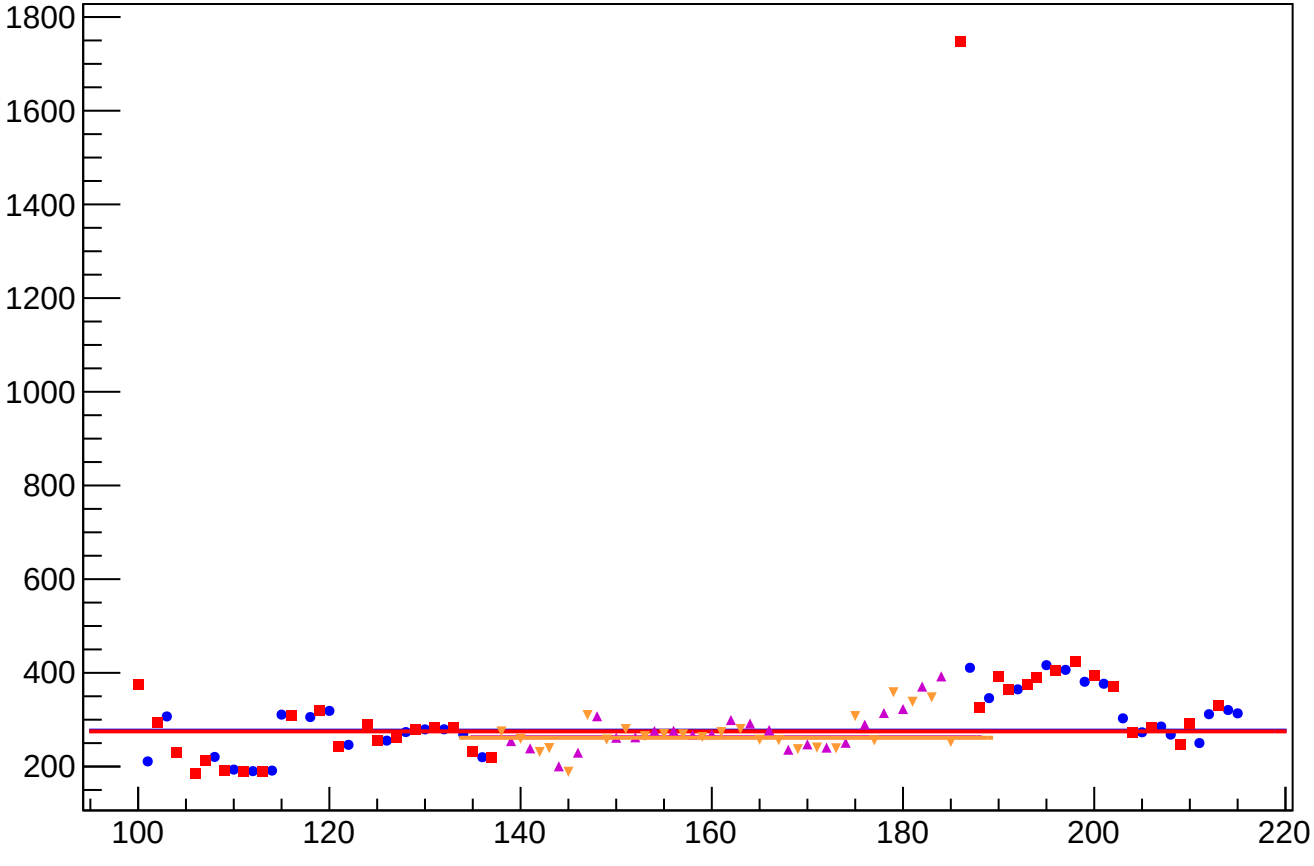
Right: -1.386+/-46.099 χ^2/NDF: 65.2/64

In: 171.680+/-44.796 χ^2/NDF:59.3/53

Out: 186.831+/-44.375 χ^2/NDF:93.5/58

All: 179.327+/-31.526 χ^2/NDF: 152.8/112

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 276.645+/-0.046 χ^2/NDF: 1655092.8/30

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 275.074+/-0.046 χ^2/NDF: 2605092.6/33

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

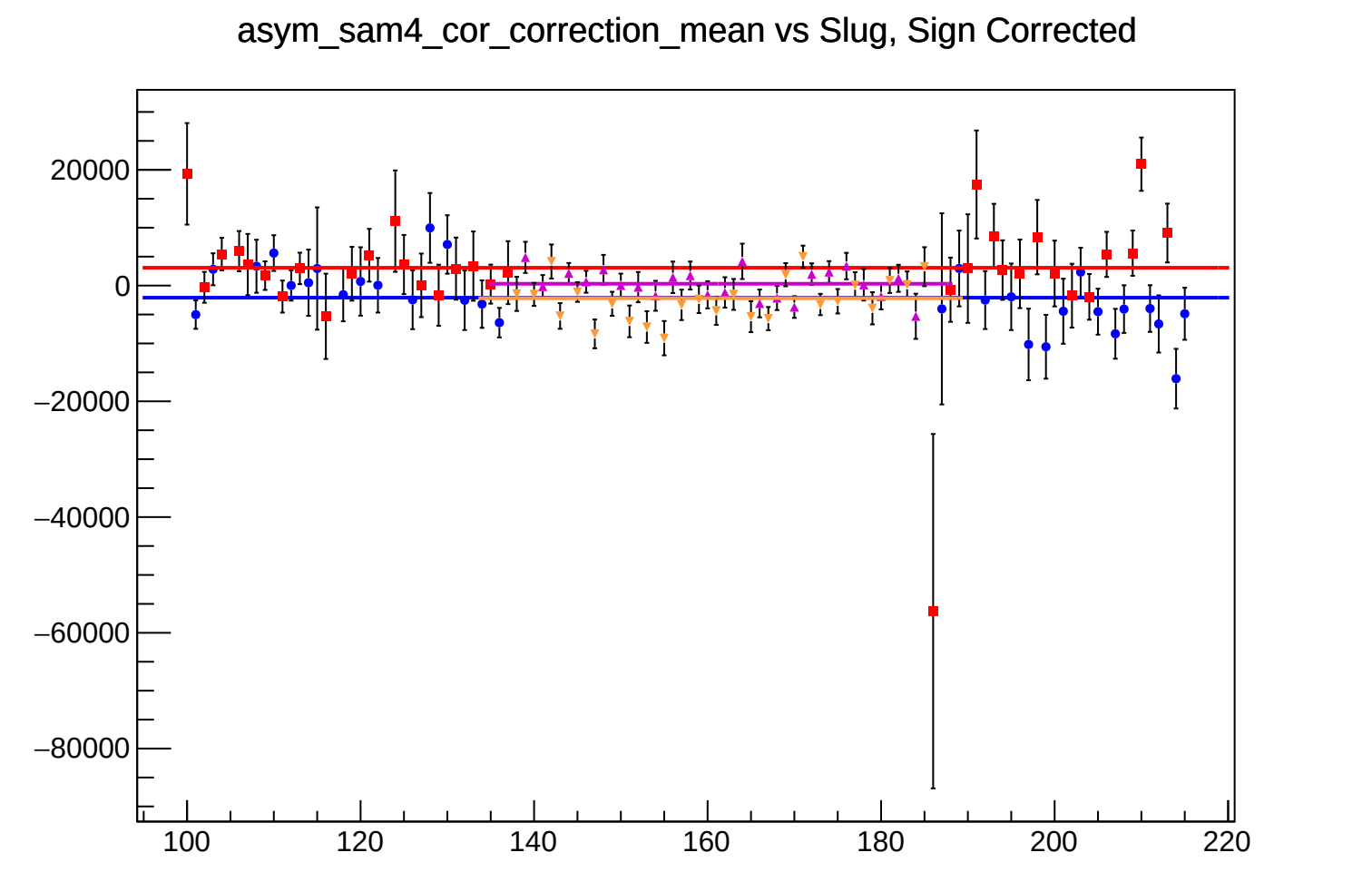
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 275.872+/-0.033 χ^2/NDF: 4260766.3/64

In: 269.348+/-0.032 χ^2/NDF:2374697.8/53

Out: 267.669+/-0.031 χ^2/NDF:3367182.9/58

All: 268.501+/-0.022 χ^2/NDF: 5743298.6/112



Right In: -2091.604+/-761.519 χ^2/NDF: 41.5/30

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 3079.155+/-751.636 χ^2/NDF: 42.2/33

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

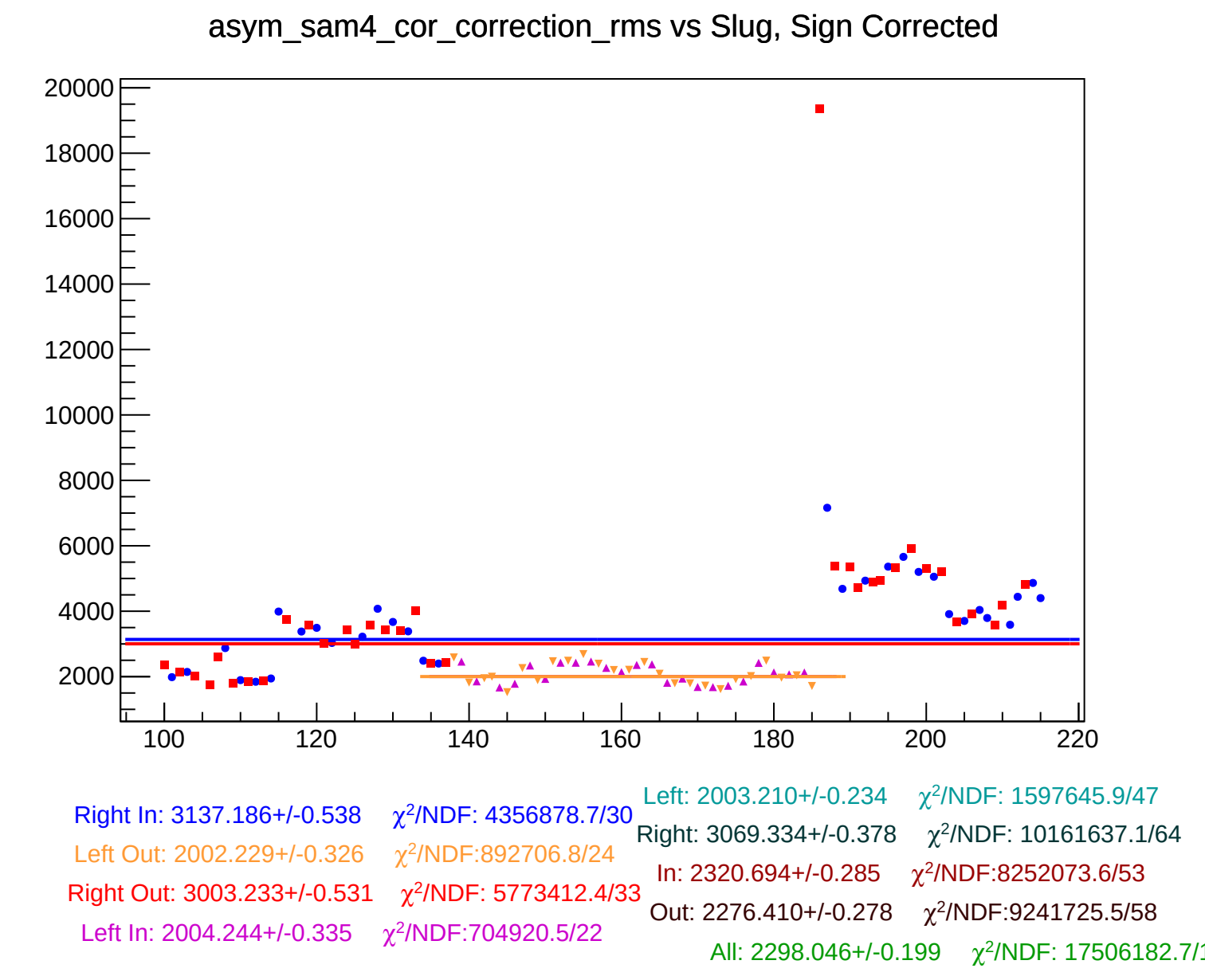
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

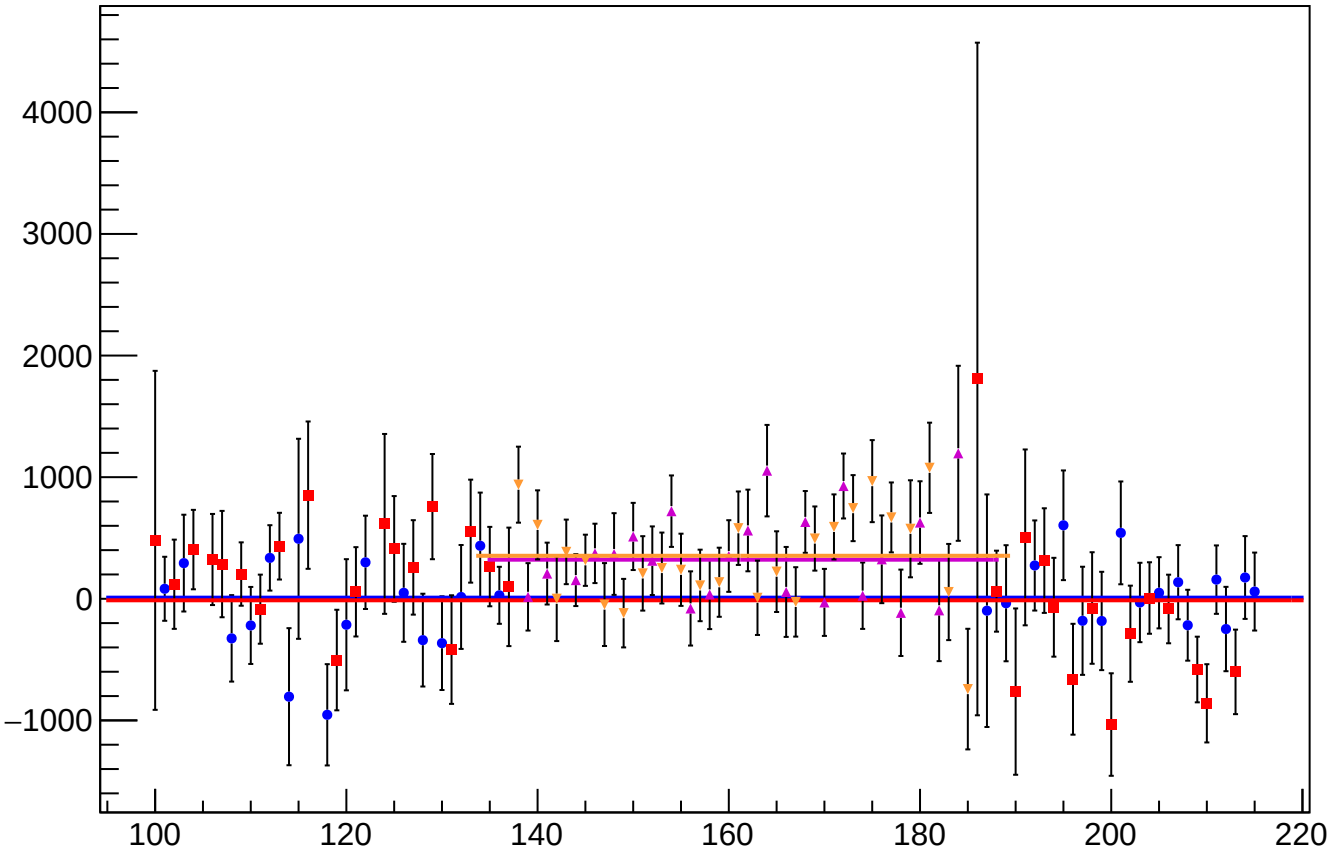
Right: 527.548+/-534.947 χ^2/NDF: 107.0/64

In: -358.110+/-402.466 χ^2/NDF:72.3/53

Out: -733.540+/-393.376 χ^2/NDF:133.1/58

All: -550.112+/-281.318 χ^2/NDF: 205.9/112


asym_sam4_cor_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: 3137.186+/-0.538 χ²/NDF: 4356878.7/30
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 3003.233+/-0.531 χ²/NDF: 5773412.4/33
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 3069.334+/-0.378 χ²/NDF: 10161637.1/64
In: 2320.694+/-0.285 χ²/NDF:8252073.6/53
Out: 2276.410+/-0.278 χ²/NDF:9241725.5/58
All: 2298.046+/-0.199 χ²/NDF: 17506182.7/



Right In: 9.269+/-64.667 χ^2/NDF: 20.9/30

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -12.395+/-65.734 χ^2/NDF: 44.3/33

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

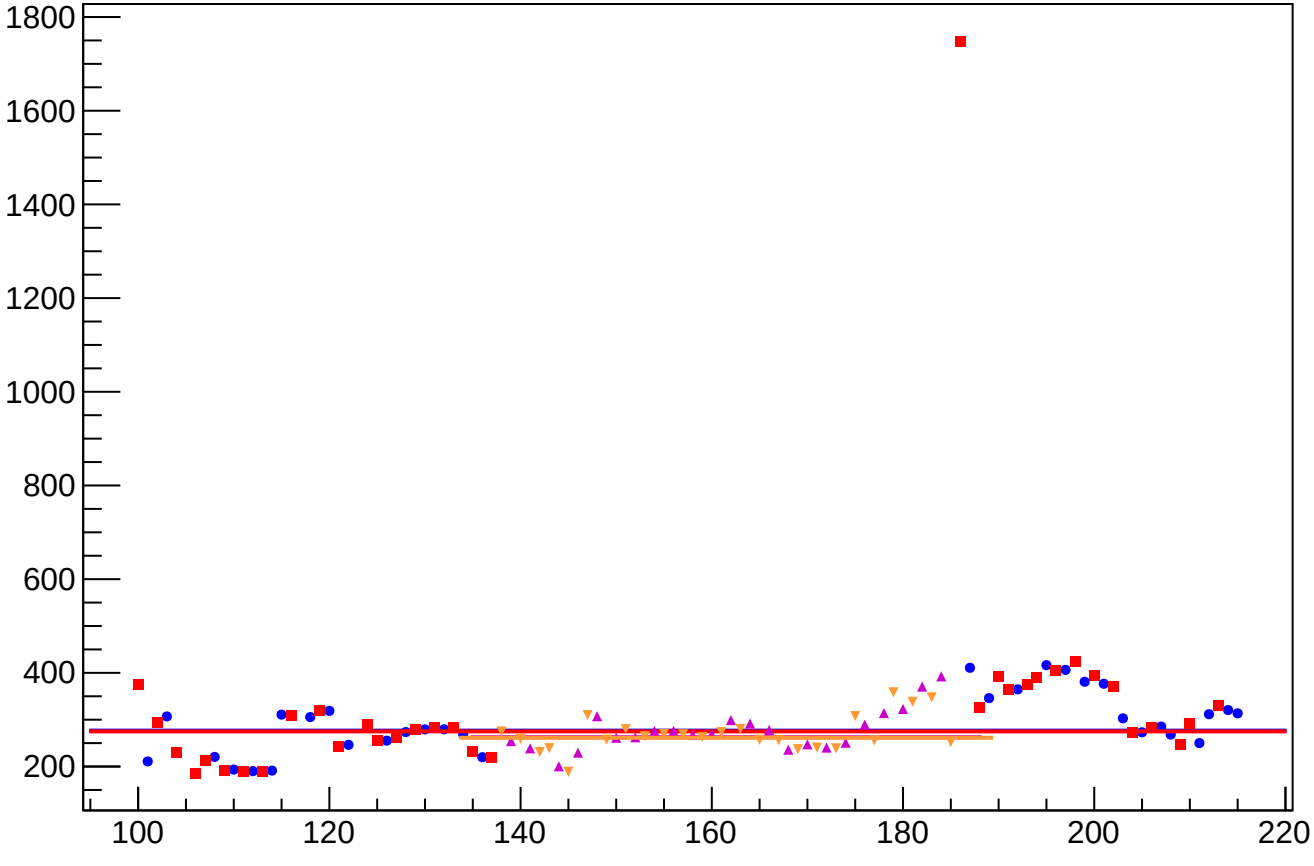
Right: -1.386+/-46.099 χ^2/NDF: 65.2/64

In: 171.680+/-44.796 χ^2/NDF:59.3/53

Out: 186.831+/-44.375 χ^2/NDF:93.5/58

All: 179.327+/-31.526 χ^2/NDF: 152.8/112

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 276.645+/-0.046 χ^2/NDF: 1655092.8/30

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 275.074+/-0.046 χ^2/NDF: 2605092.6/33

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

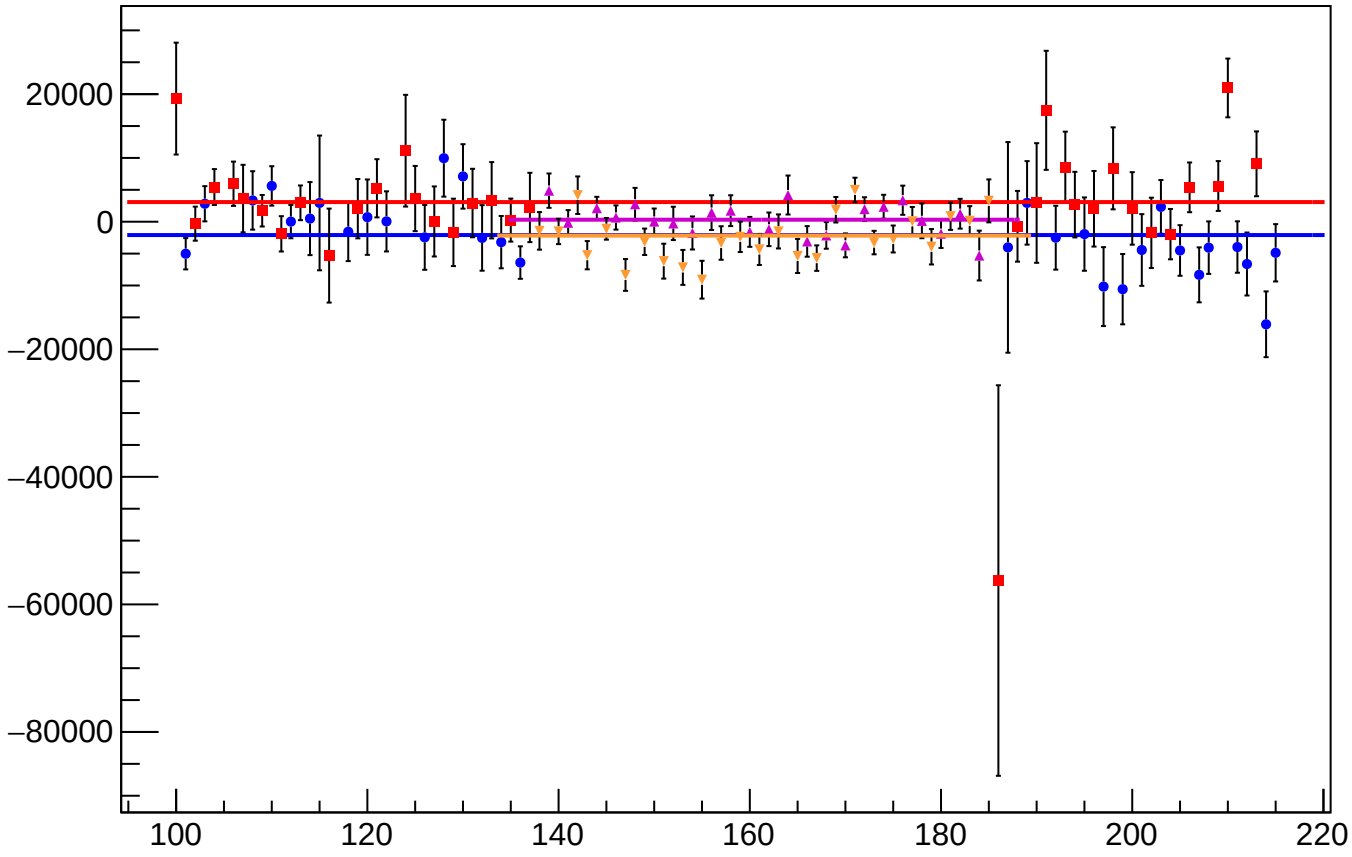
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 275.872+/-0.033 χ^2/NDF: 4260766.3/64

In: 269.348+/-0.032 χ^2/NDF:2374697.8/53

Out: 267.669+/-0.031 χ^2/NDF:3367182.9/58

All: 268.501+/-0.022 χ^2/NDF: 5743298.6/112



Right In: -2091.604+/-761.519 χ^2/NDF: 41.5/30

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 3079.155+/-751.636 χ^2/NDF: 42.2/33

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

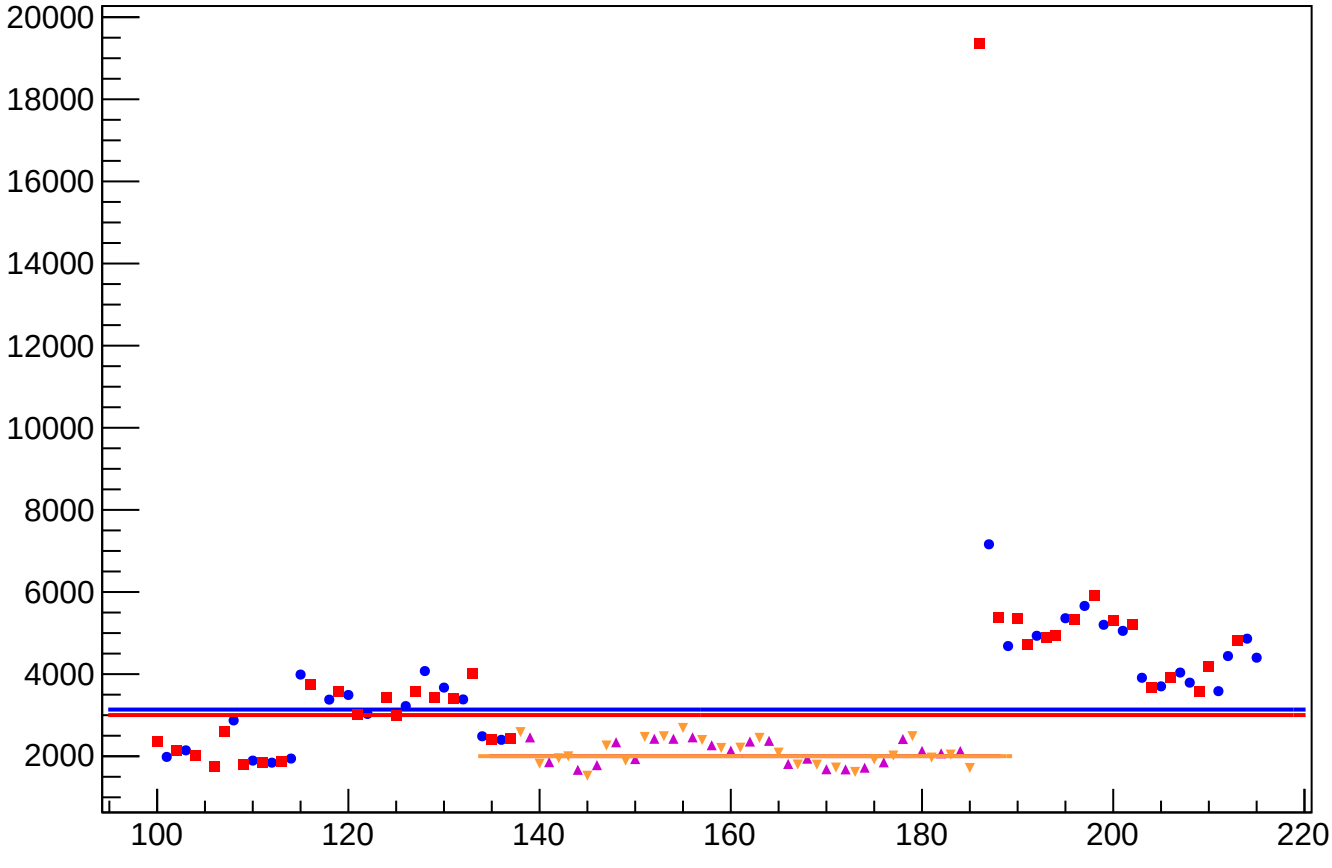
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 527.548+/-534.947 χ^2/NDF: 107.0/64

In: -358.110+/-402.466 χ^2/NDF:72.3/53

Out: -733.540+/-393.376 χ^2/NDF:133.1/58

All: -550.112+/-281.318 χ^2/NDF: 205.9/112



Right In: 3137.186+/-0.538 χ^2/NDF: 4356878.7/30

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3003.233+/-0.531 χ^2/NDF: 5773412.4/33

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

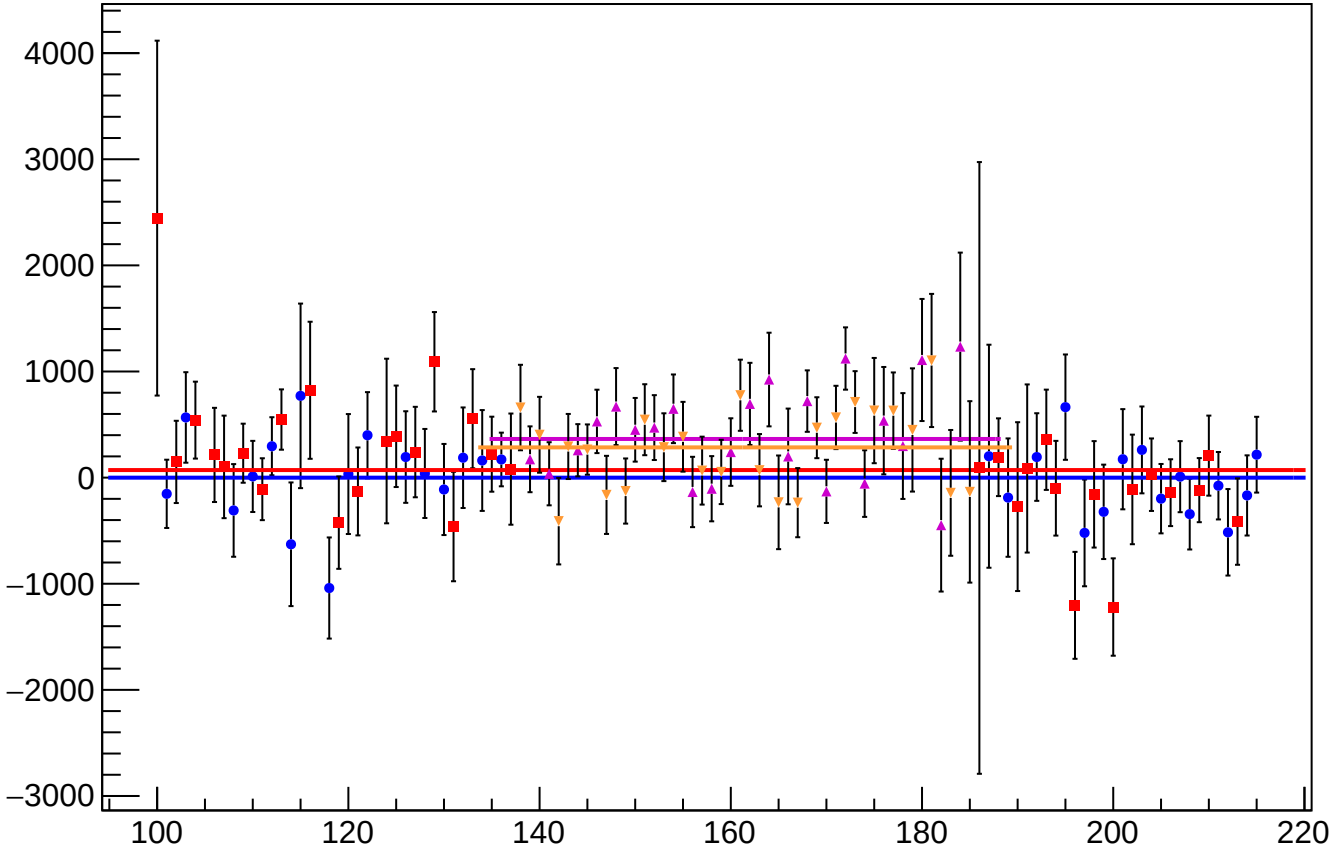
Right: 3069.334+/-0.378 χ^2/NDF: 10161637.1/64

In: 2320.694+/-0.285 χ^2/NDF:8252073.6/53

Out: 2276.410+/-0.278 χ^2/NDF:9241725.5/58

All: 2298.046+/-0.199 χ^2/NDF: 17506182.7/

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: -0.428+/-71.960 χ^2/NDF: 20.3/30

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 71.187+/-72.545 χ^2/NDF: 35.9/33

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

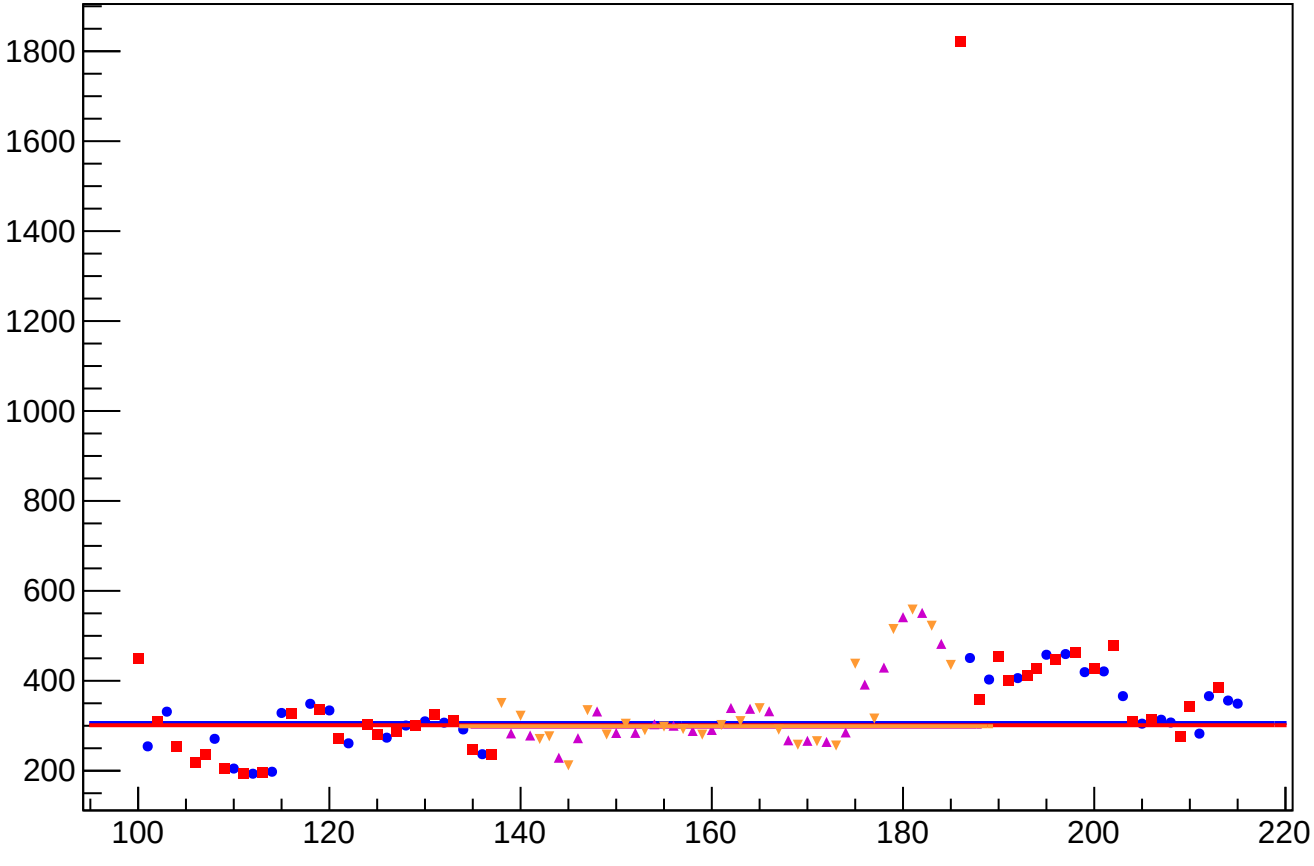
Right: 35.090+/-51.089 χ^2/NDF: 56.7/64

In: 182.494+/-50.796 χ^2/NDF:61.4/53

Out: 181.810+/-50.387 χ^2/NDF:63.2/58

All: 182.149+/-35.773 χ^2/NDF: 124.6/112

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 306.111+/-0.051 χ^2/NDF: 1872321.4/30

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 301.226+/-0.051 χ^2/NDF: 2934621.0/33

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

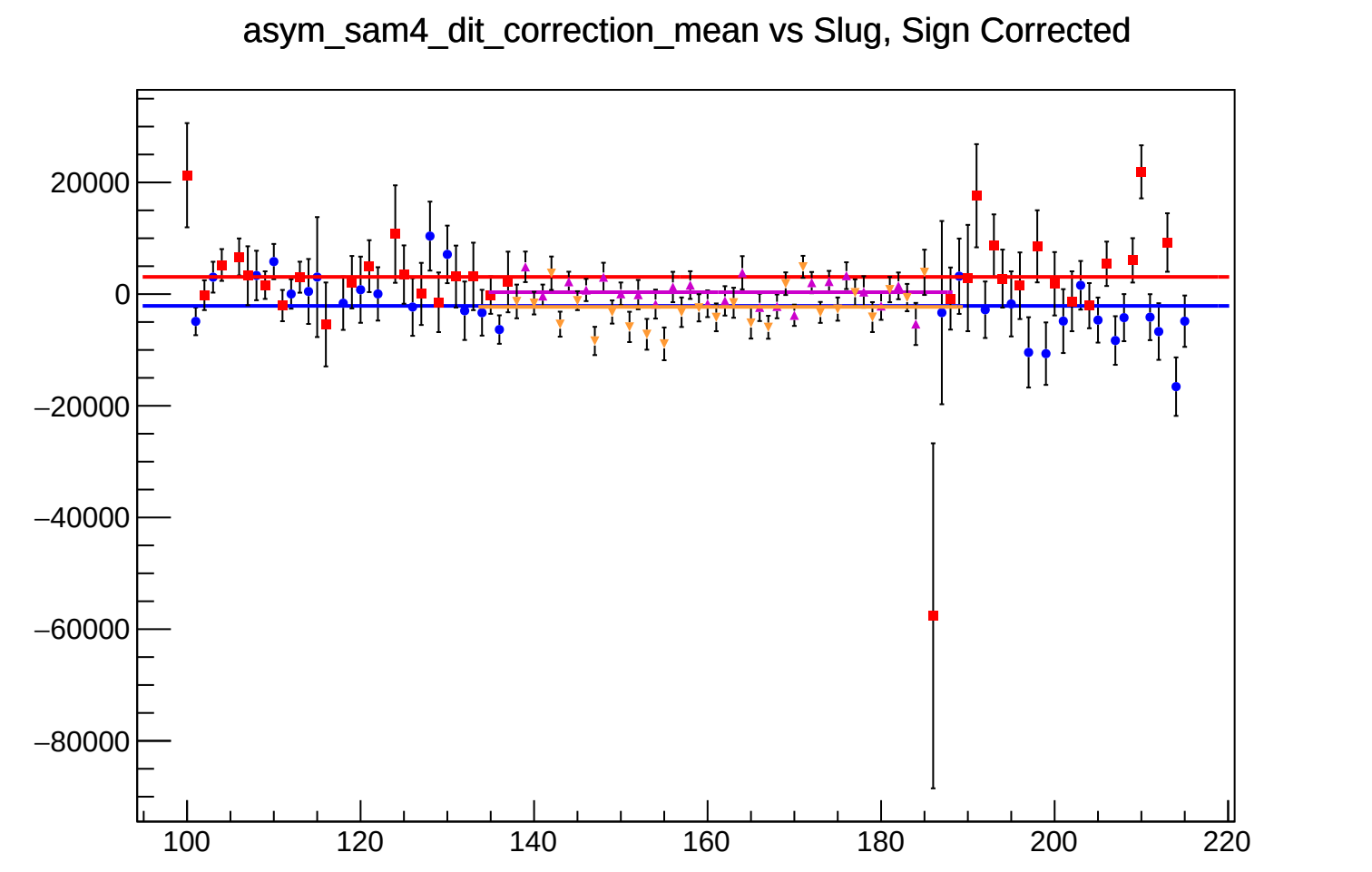
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 303.688+/-0.036 χ^2/NDF: 4811512.8/64

In: 301.984+/-0.036 χ^2/NDF:3204494.1/53

Out: 300.042+/-0.036 χ^2/NDF:4548728.2/58

All: 301.005+/-0.025 χ^2/NDF: 7754695.9/112



Right In: -2109.436+/-770.824 χ^2/NDF: 41.7/30

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 3081.219+/-757.501 χ^2/NDF: 43.9/33

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

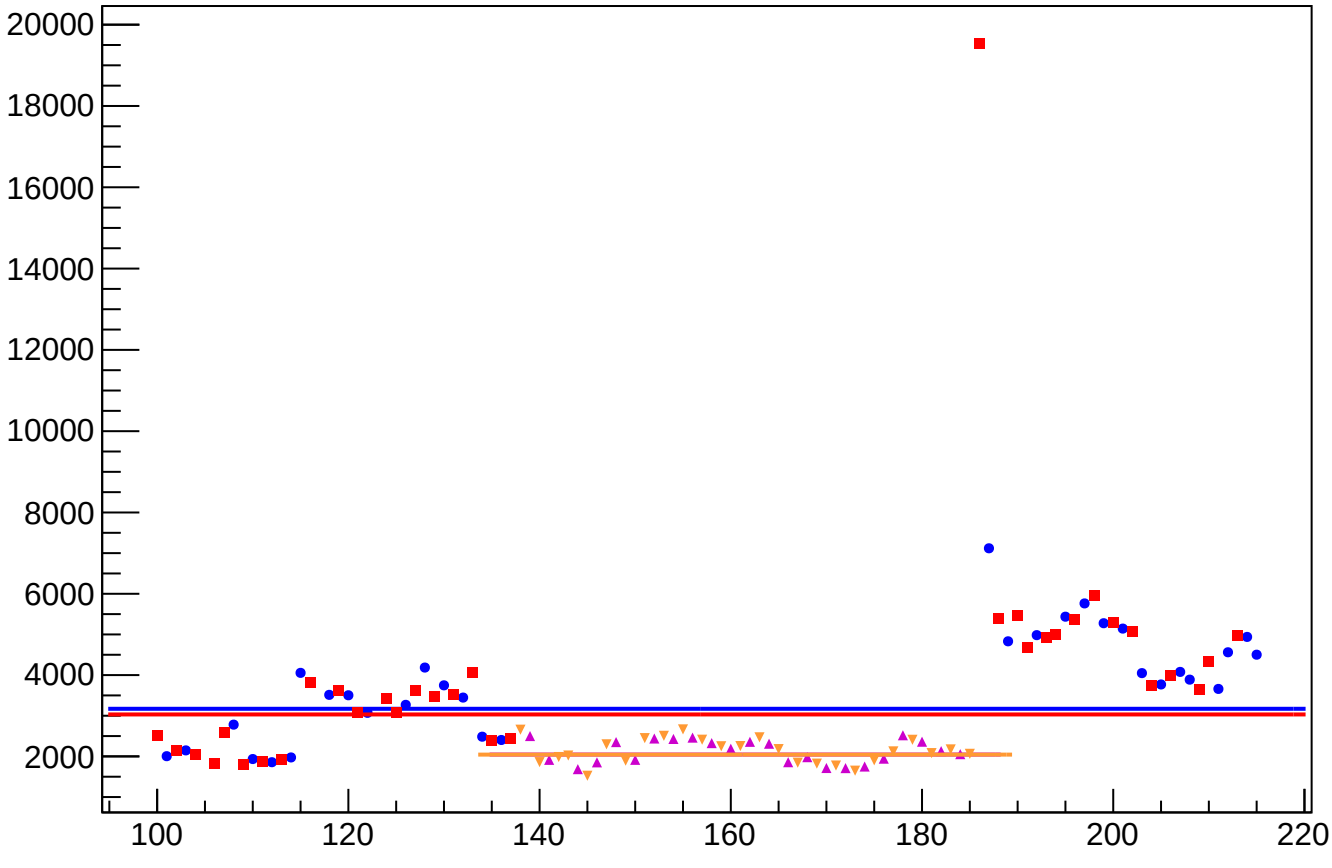
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

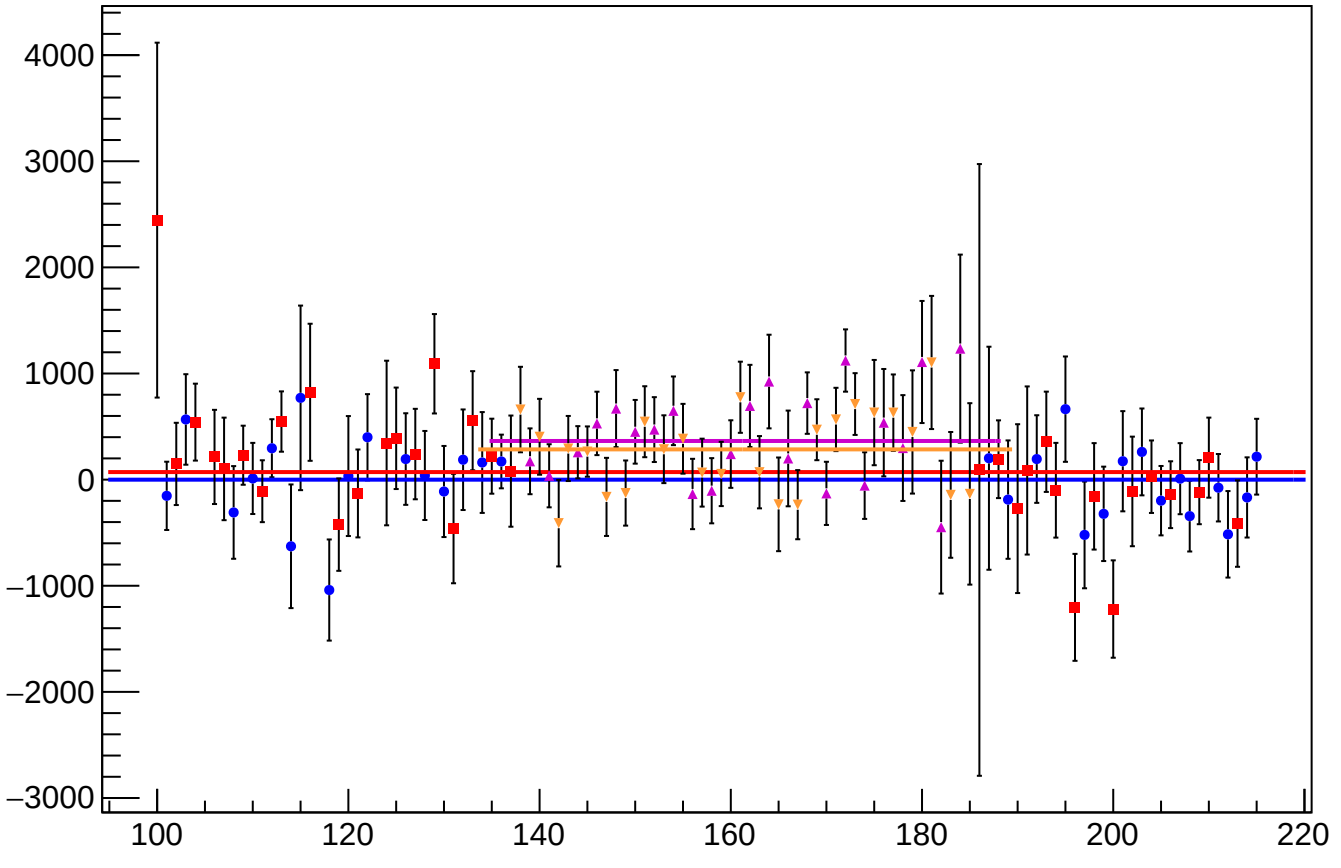
Right: 531.136+/-540.283 χ^2/NDF: 108.6/64

In: -349.950+/-409.656 χ^2/NDF:71.8/53

Out: -795.338+/-399.689 χ^2/NDF:131.9/58

All: -578.128+/-286.082 χ^2/NDF: 204.2/112


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: 3171.001+/-0.545 χ²/NDF: 4479864.0/30
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 3031.792+/-0.536 χ²/NDF: 5778521.9/33
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 3100.183+/-0.382 χ²/NDF: 10291570.2/64
In: 2363.157+/-0.290 χ²/NDF:8231463.4/53
Out: 2318.823+/-0.283 χ²/NDF:9087249.9/58
All: 2340.444+/-0.202 χ²/NDF: 17330713.8/



Right In: -0.422+/-71.960 χ^2/NDF: 20.3/30

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 71.184+/-72.545 χ^2/NDF: 35.9/33

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

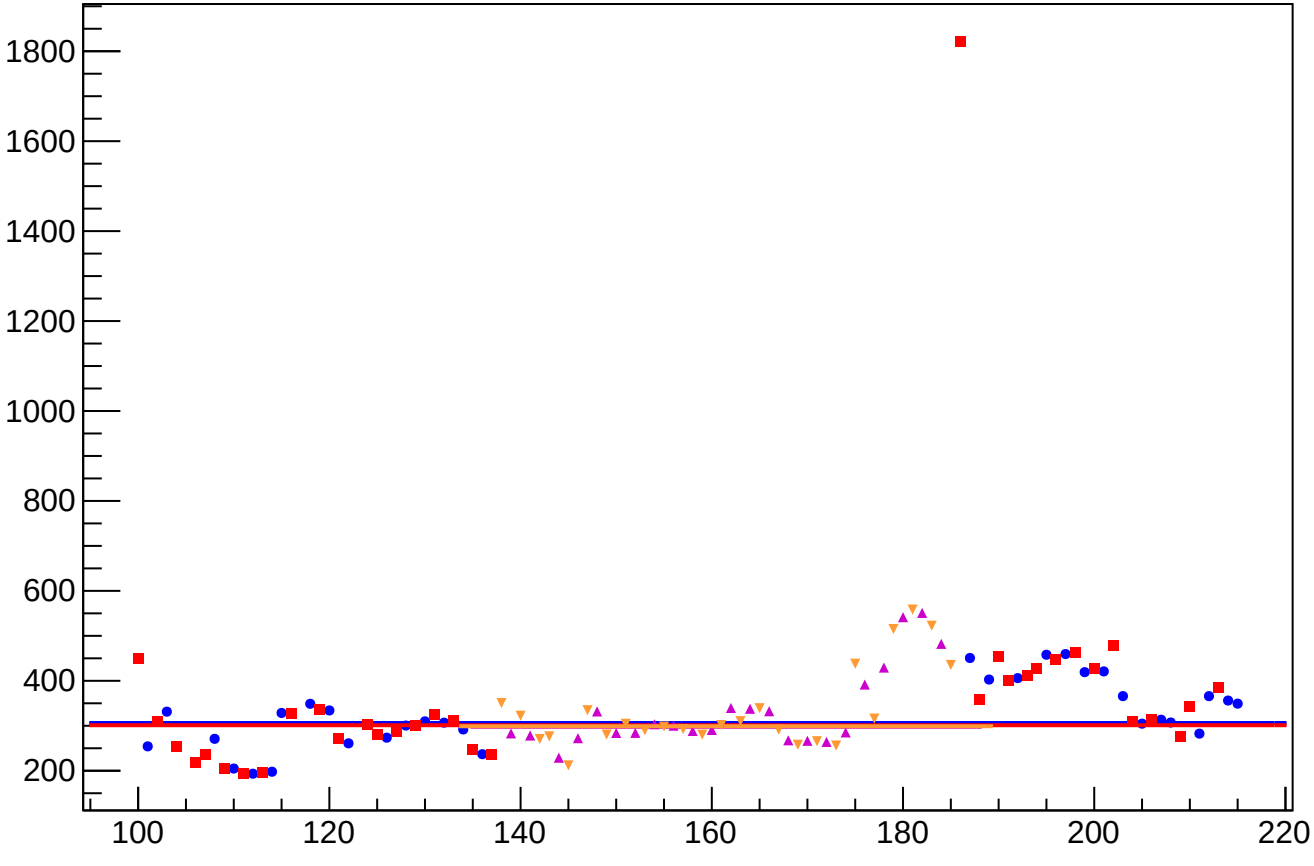
Right: 35.091+/-51.089 χ^2/NDF: 56.7/64

In: 182.497+/-50.796 χ^2/NDF:61.4/53

Out: 181.811+/-50.387 χ^2/NDF:63.2/58

All: 182.151+/-35.773 χ^2/NDF: 124.6/112

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 306.111+/-0.051 χ^2/NDF: 1872301.2/30

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 301.226+/-0.051 χ^2/NDF: 2934623.3/33

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

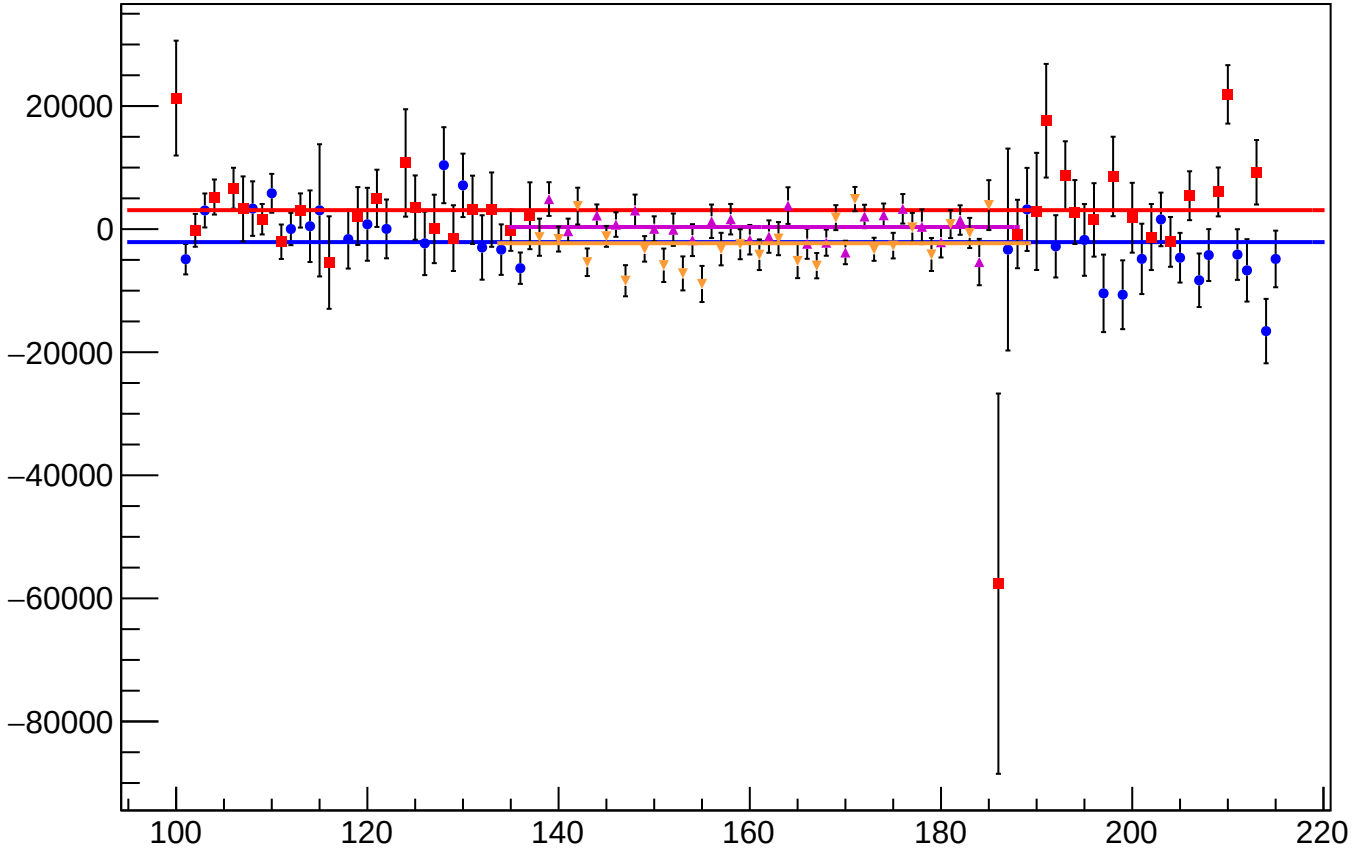
Right: 303.688+/-0.036 χ^2/NDF: 4811494.6/64

In: 301.984+/-0.036 χ^2/NDF:3204454.4/53

Out: 300.042+/-0.036 χ^2/NDF:4548727.4/58

All: 301.005+/-0.025 χ^2/NDF: 7754655.3/112

asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2109.433+/-770.824 χ^2/NDF: 41.7/30

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 3081.215+/-757.501 χ^2/NDF: 43.9/33

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

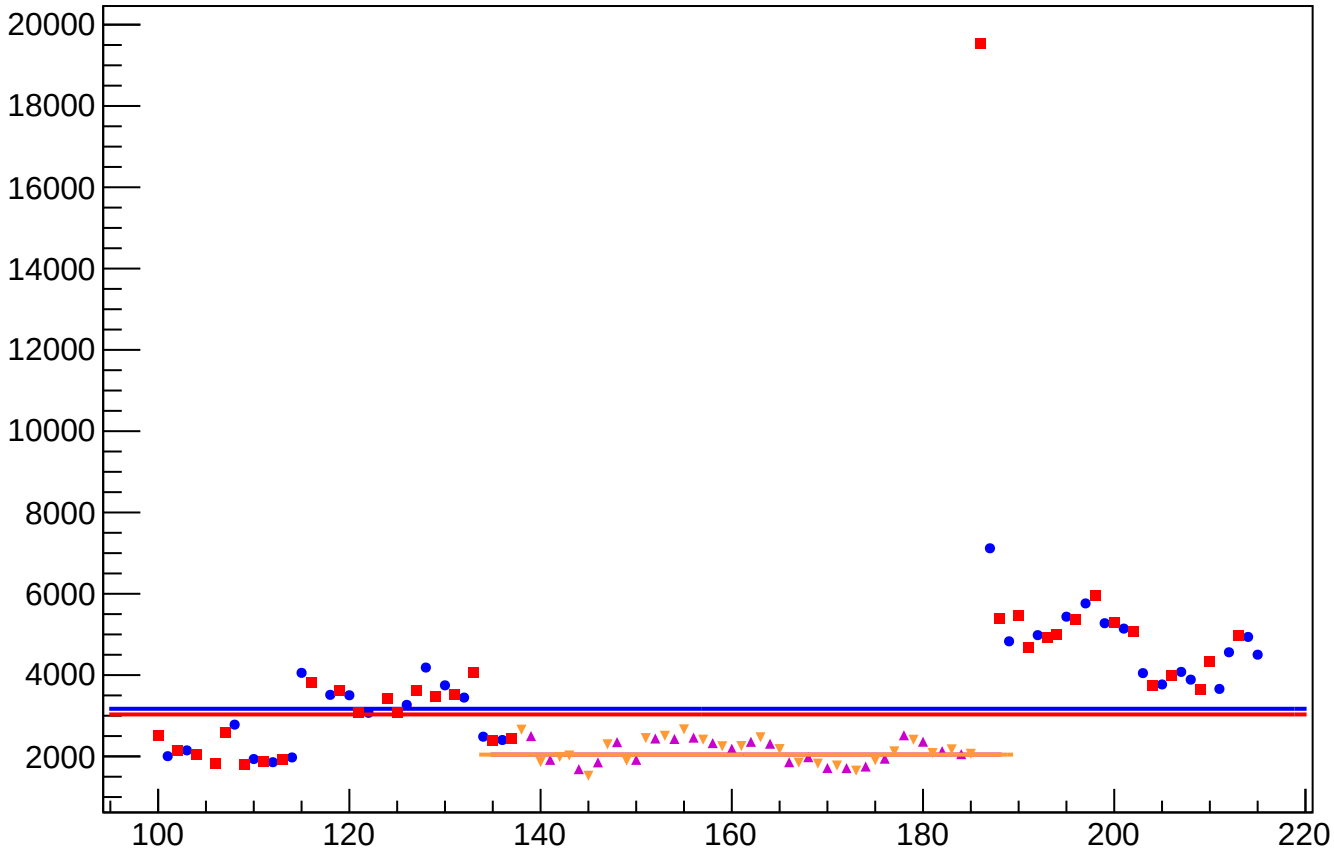
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 531.135+/-540.283 χ^2/NDF: 108.6/64

In: -349.950+/-409.656 χ^2/NDF:71.8/53

Out: -795.337+/-399.689 χ^2/NDF:131.9/58

All: -578.128+/-286.081 χ^2/NDF: 204.2/112



Right In: 3170.999+/-0.545 χ^2/NDF: 4479861.0/30

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 3031.790+/-0.536 χ^2/NDF: 5778518.2/33

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

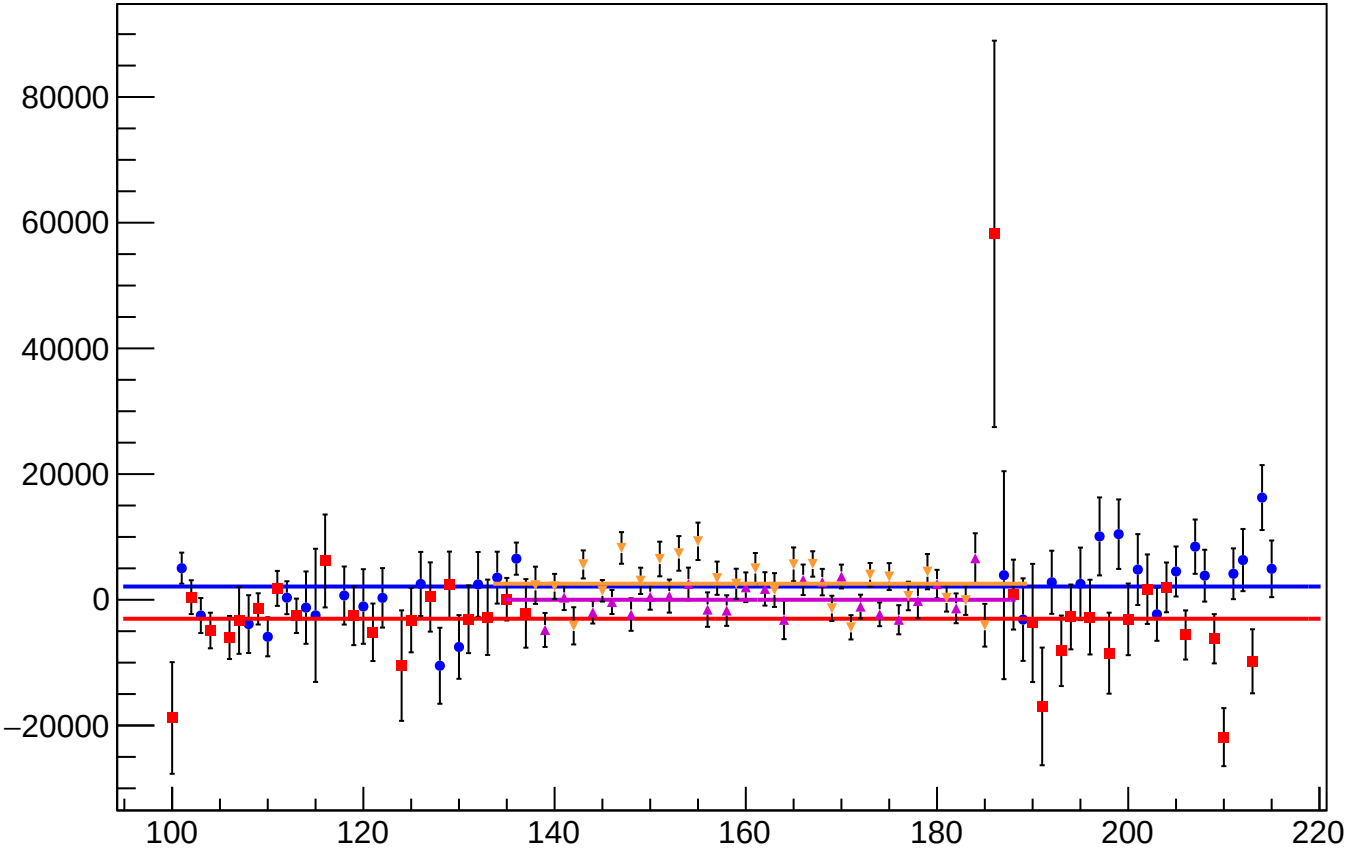
Right: 3100.181+/-0.382 χ^2/NDF: 10291563.4/64

In: 2363.154+/-0.290 χ^2/NDF:8231468.2/53

Out: 2318.820+/-0.283 χ^2/NDF:9087258.0/58

All: 2340.441+/-0.202 χ^2/NDF: 17330726.9/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 2109.529+/-764.991 χ^2/NDF: 42.5/30

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -3016.373+/-754.504 χ^2/NDF: 44.3/33

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

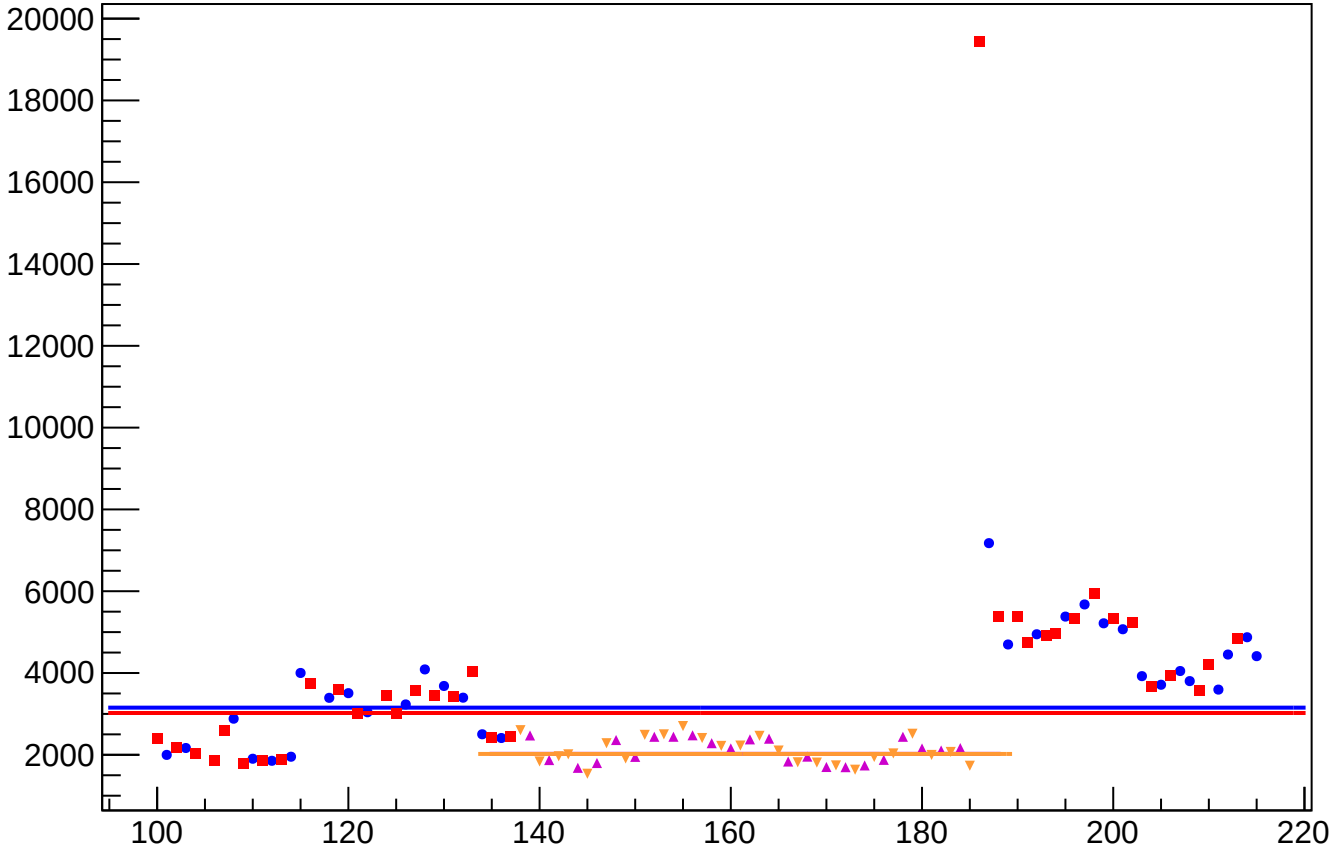
Right: -488.800+/-537.184 χ^2/NDF: 109.6/64

In: 595.764+/-405.685 χ^2/NDF:72.6/53

Out: 1019.784+/-396.442 χ^2/NDF:136.5/58

All: 812.659+/-283.538 χ^2/NDF: 209.7/112

asym_sam4_rms vs Slug, Sign Corrected



Right In: 3153.277+/-0.541 χ^2/NDF: 4319434.3/30

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 3022.489+/-0.534 χ^2/NDF: 5698628.7/33

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

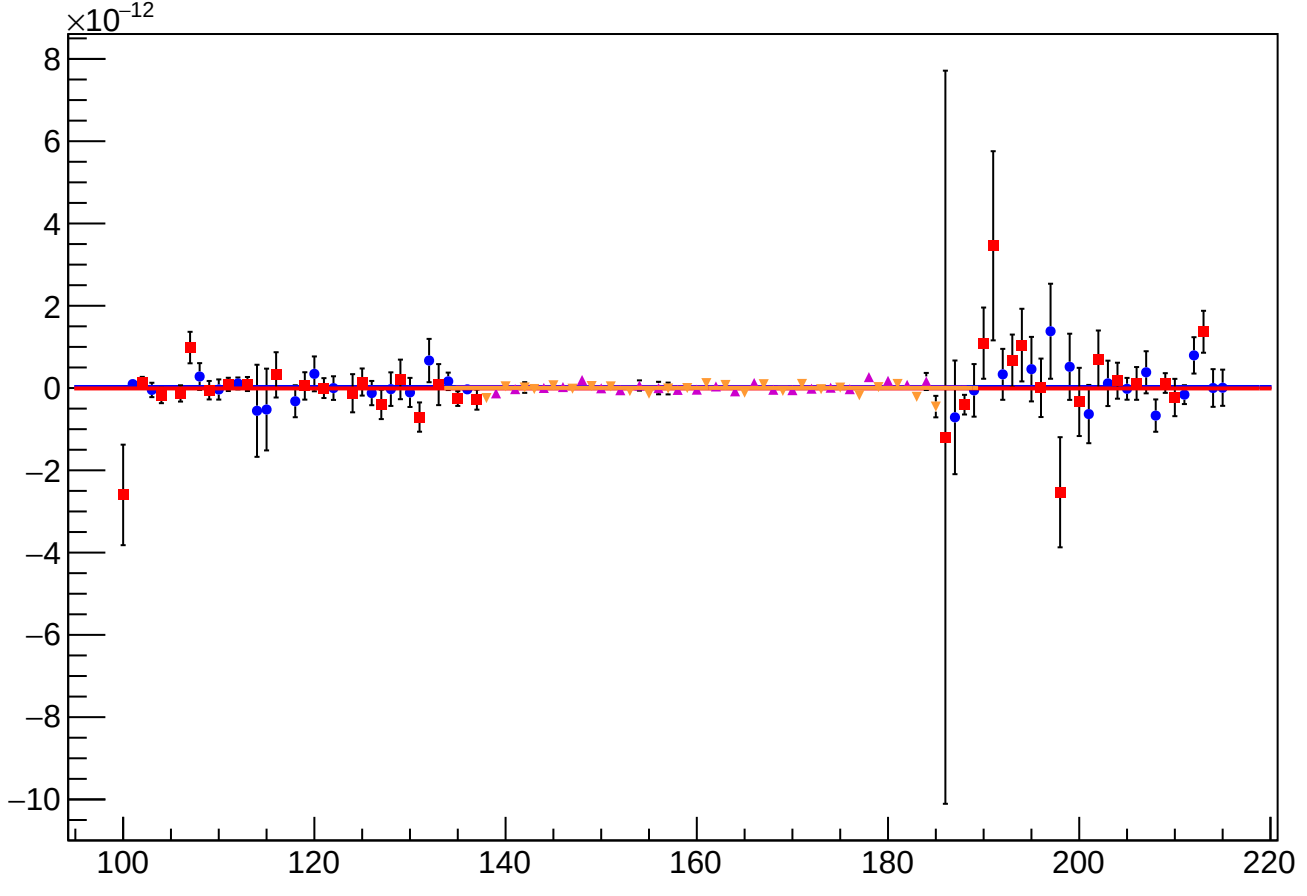
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3086.980+/-0.380 χ^2/NDF: 10047695.9/64

In: 2341.074+/-0.287 χ^2/NDF:8152076.6/53

Out: 2297.684+/-0.280 χ^2/NDF:9129525.1/58

All: 2318.879+/-0.200 χ^2/NDF: 17293304.4/



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/33

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

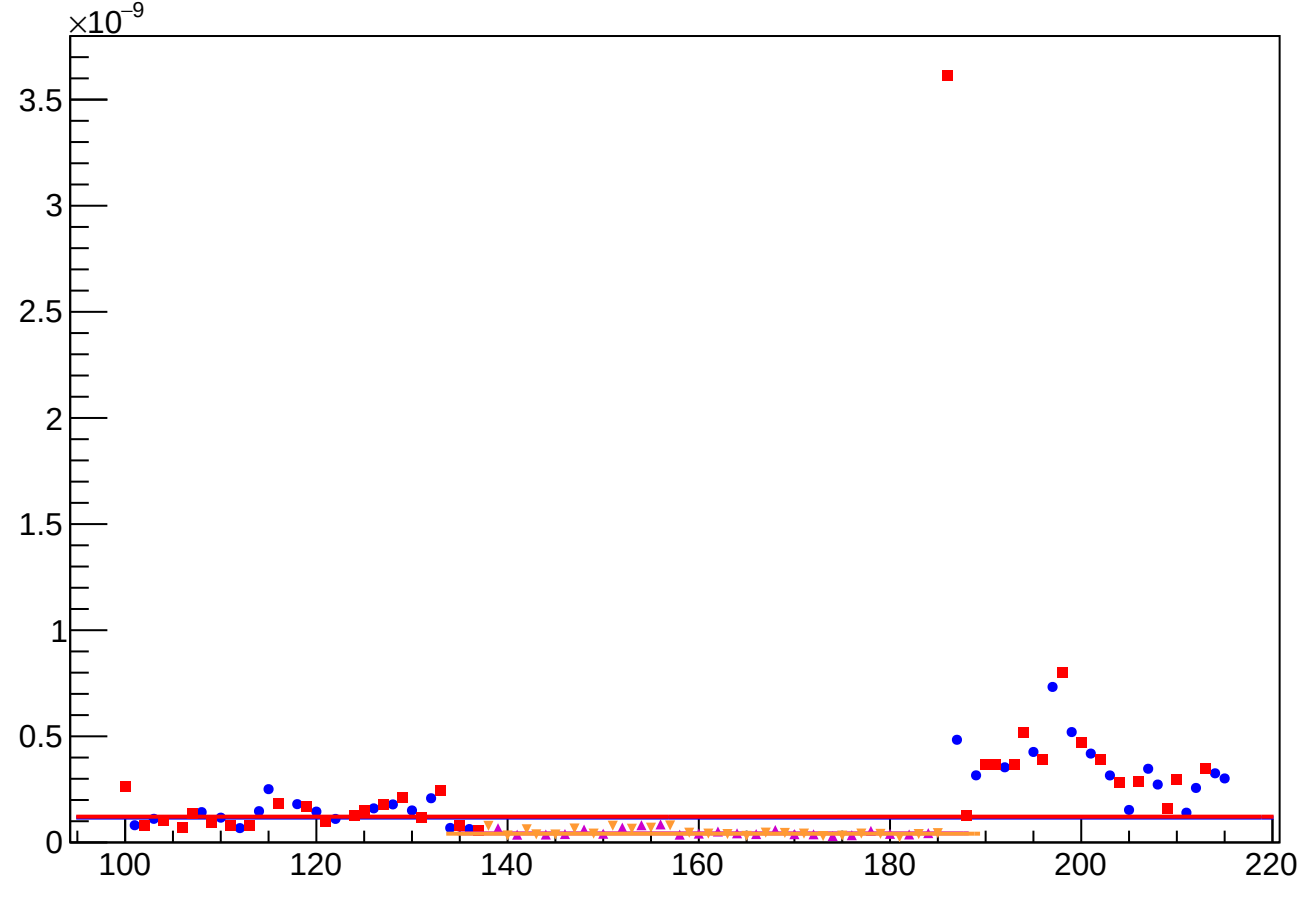
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 62.6/64

In: 0.000+/-0.000 χ^2/NDF:37.9/53

Out: 0.000+/-0.000 χ^2/NDF:77.5/58

All: 0.000+/-0.000 χ^2/NDF: 115.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 5815607.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5263893.4/33

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

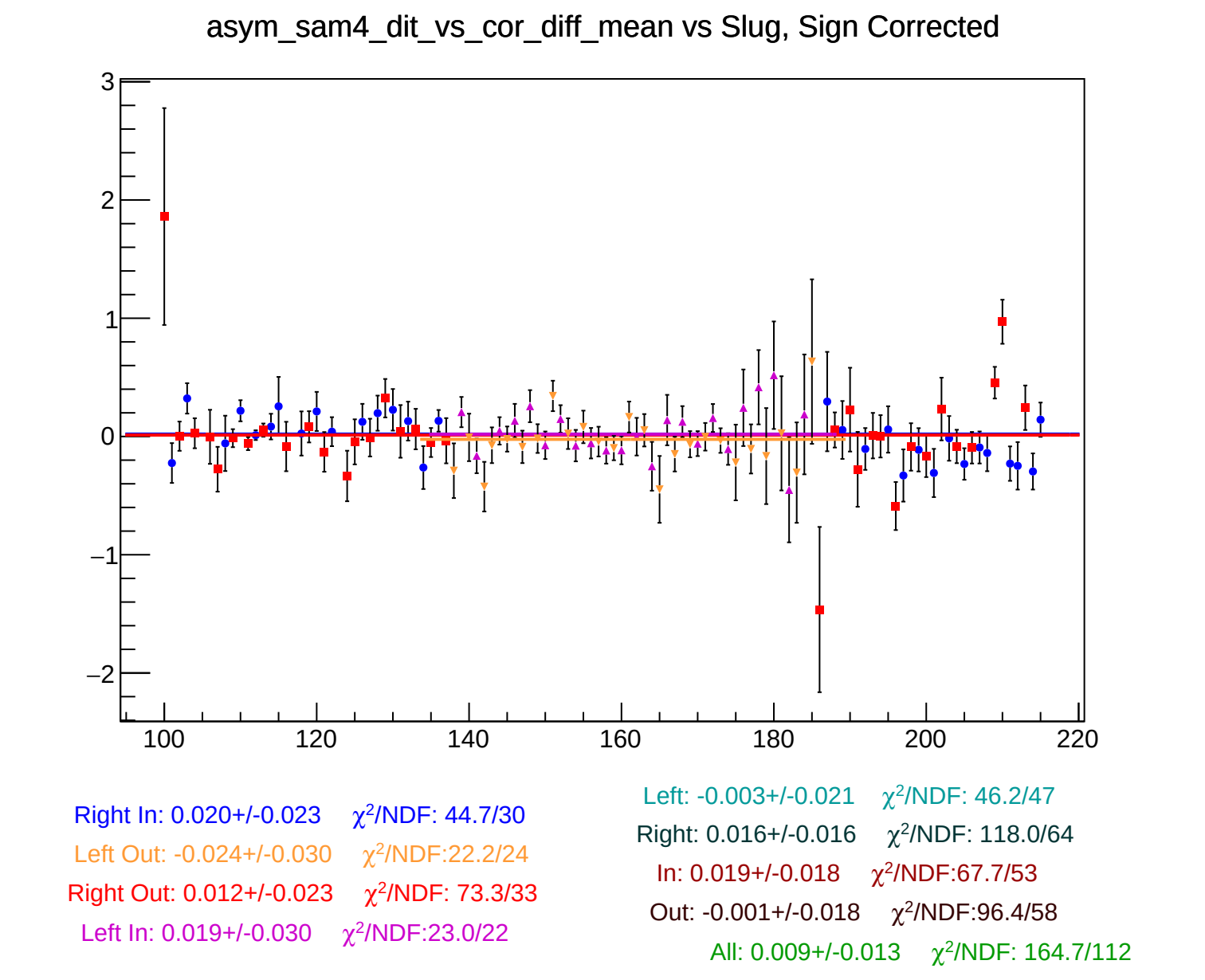
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

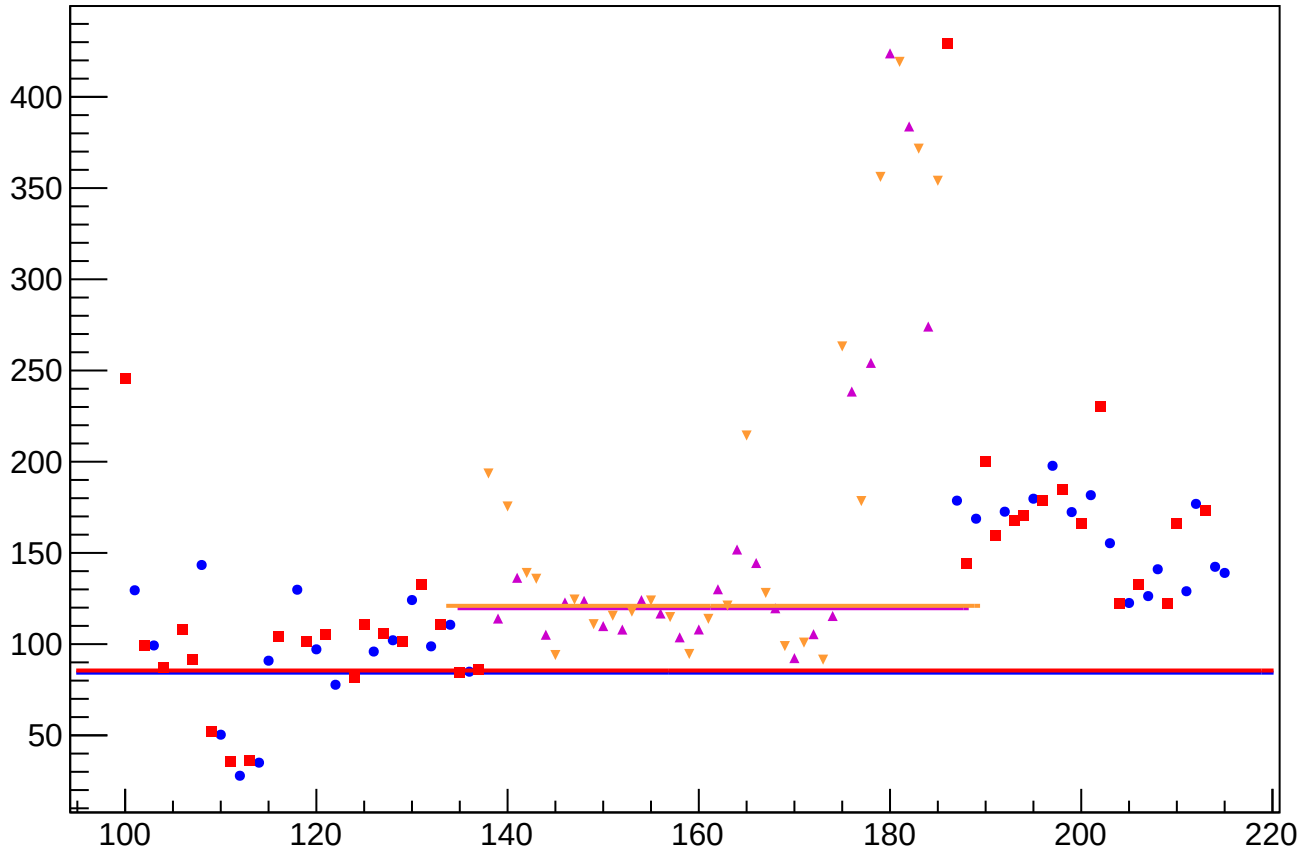
Right: 0.000+/-0.000 χ^2/NDF: 11087538.4/64

In: 0.000+/-0.000 χ^2/NDF:11004439.8/53

Out: 0.000+/-0.000 χ^2/NDF:11030670.0/58

All: 0.000+/-0.000 χ^2/NDF: 22067638.4/112


asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.020+/-0.023 χ²/NDF: 44.7/30
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.012+/-0.023 χ²/NDF: 73.3/33
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.016+/-0.016 χ²/NDF: 118.0/64
In: 0.019+/-0.018 χ²/NDF:67.7/53
Out: -0.001+/-0.018 χ²/NDF:96.4/58
All: 0.009+/-0.013 χ²/NDF: 164.7/112



Right In: 84.358+/-0.016 χ^2/NDF: 9959271.0/30

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 85.540+/-0.017 χ^2/NDF: 9187090.1/33

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

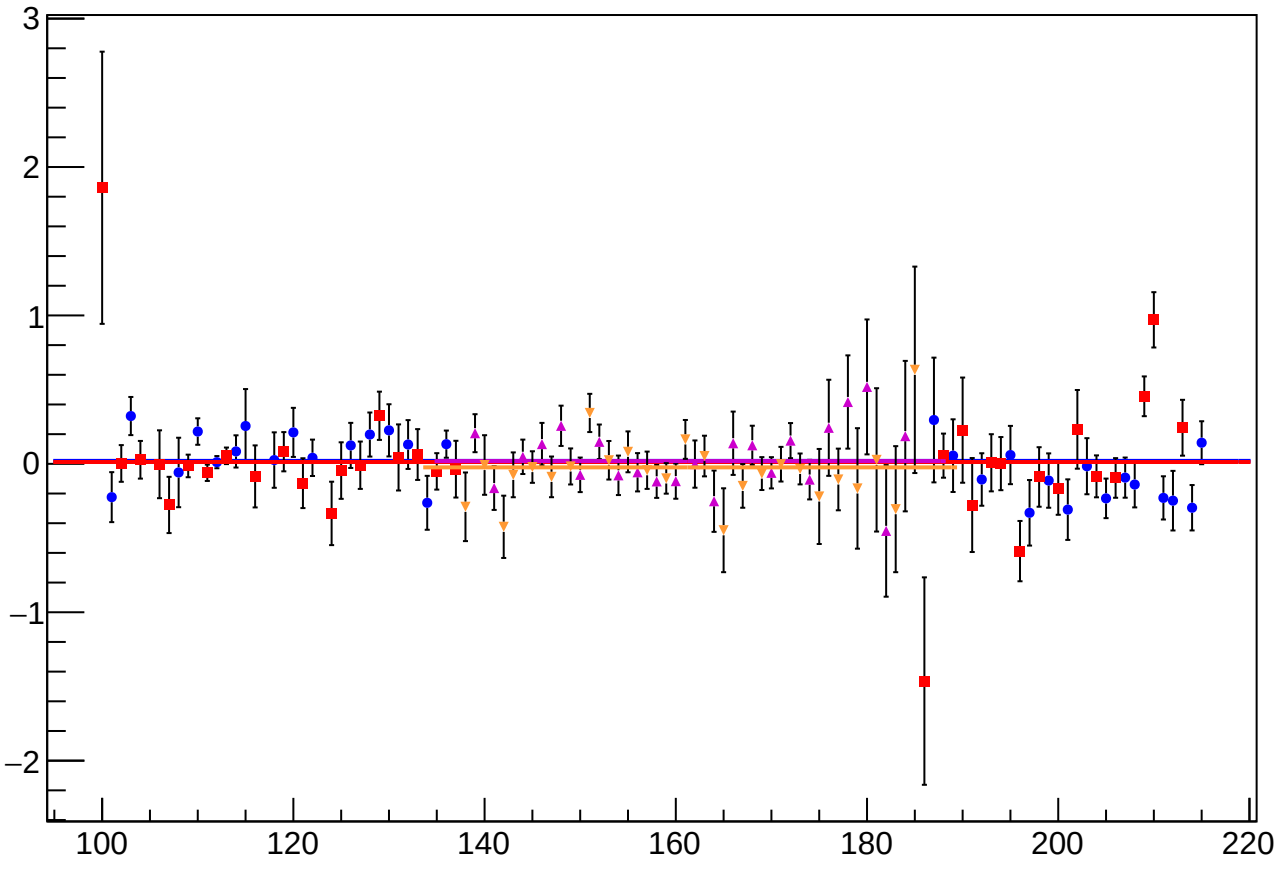
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 84.942+/-0.012 χ^2/NDF: 19148944.4/64

In: 97.405+/-0.013 χ^2/NDF:14519879.4/53

Out: 99.008+/-0.013 χ^2/NDF:15026502.3/58

All: 98.204+/-0.009 χ^2/NDF: 29553964.6/112



Right In: 0.020+/-0.023 χ^2/NDF: 44.7/30

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.012+/-0.023 χ^2/NDF: 73.3/33

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

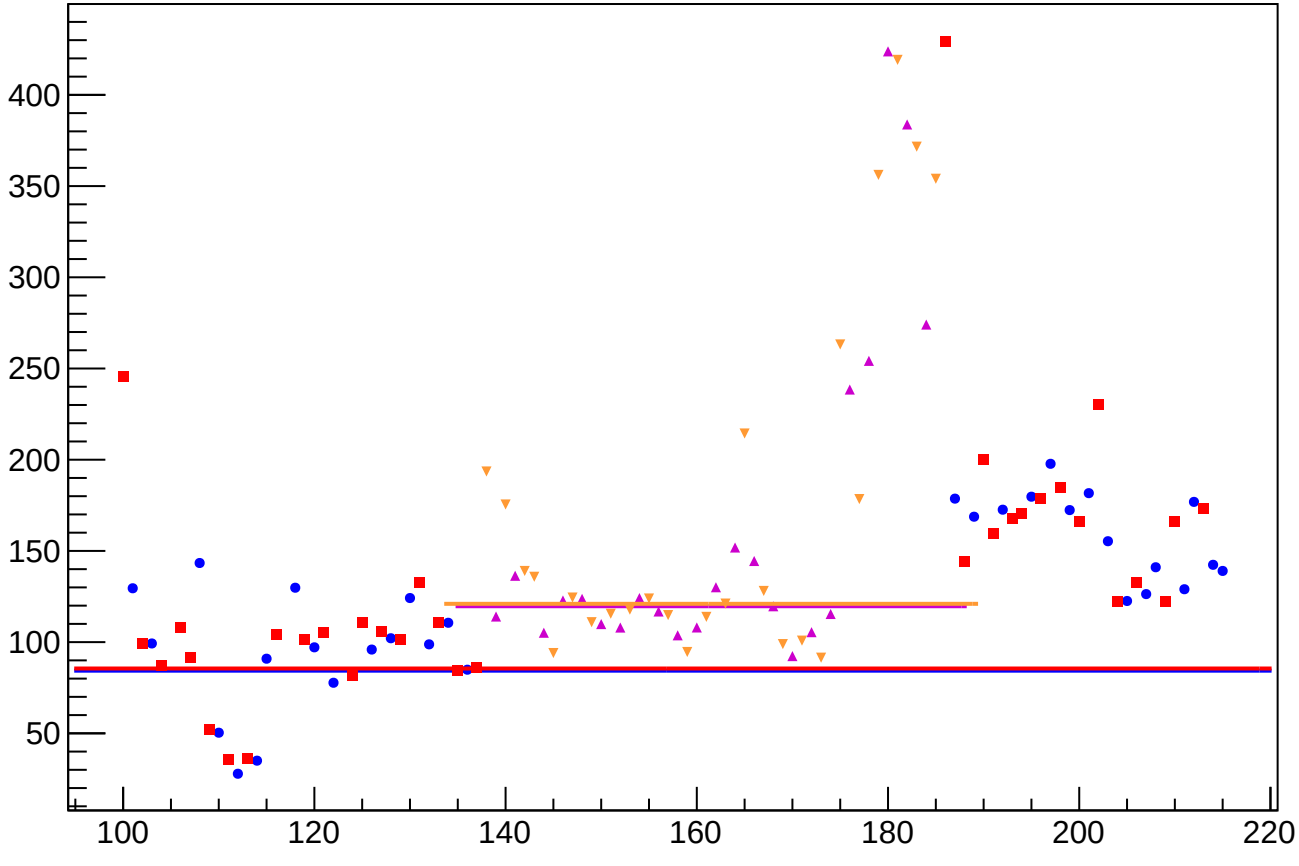
Right: 0.016+/-0.016 χ^2/NDF: 118.0/64

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.009+/-0.013 χ^2/NDF: 164.7/112

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.358+/-0.016 χ^2/NDF: 9959271.0/30

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 85.540+/-0.017 χ^2/NDF: 9187090.1/33

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

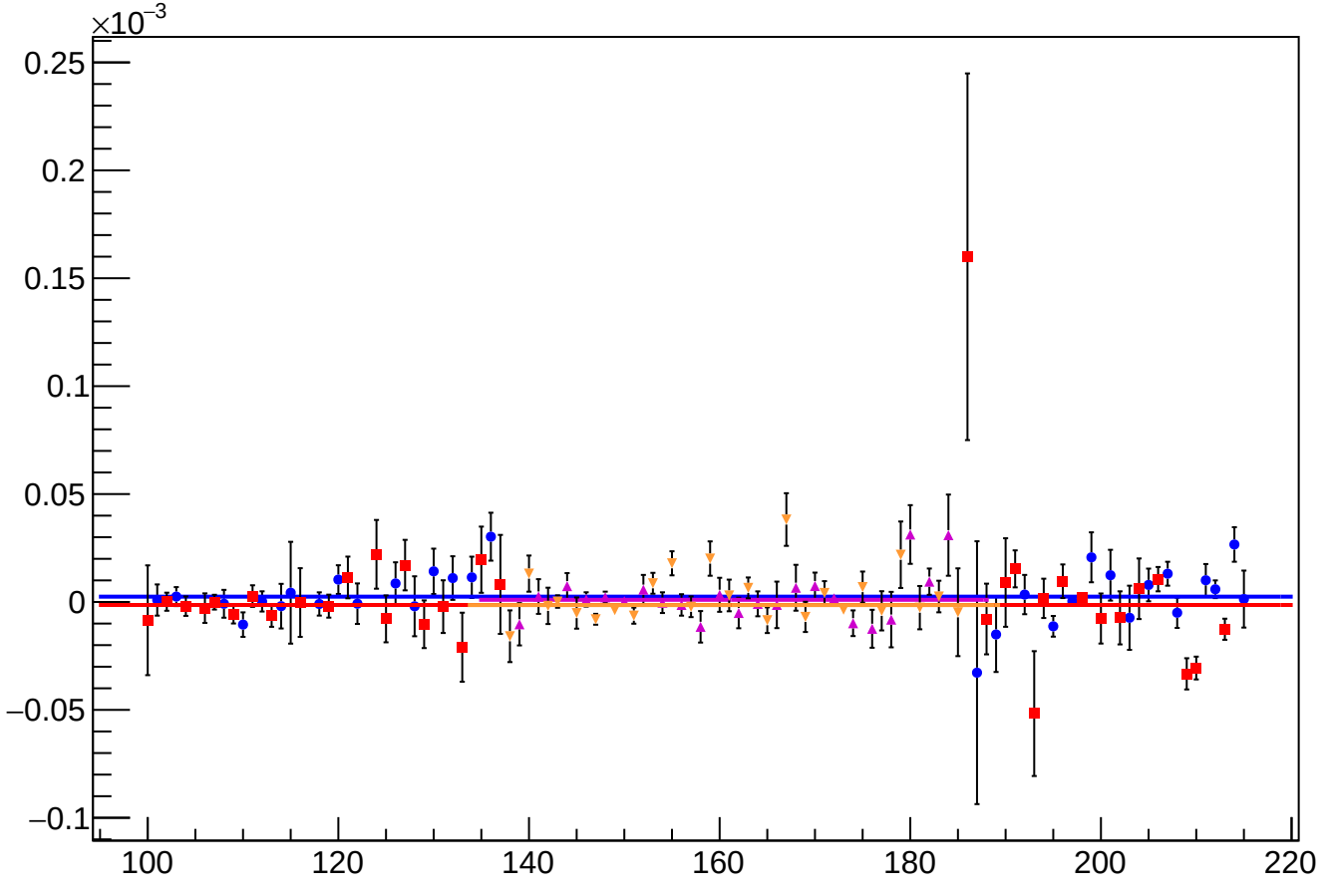
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 84.942+/-0.012 χ^2/NDF: 19148944.4/64

In: 97.405+/-0.013 χ^2/NDF:14519879.4/53

Out: 99.008+/-0.013 χ^2/NDF:15026502.3/58

All: 98.204+/-0.009 χ^2/NDF: 29553964.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 92.4/33

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

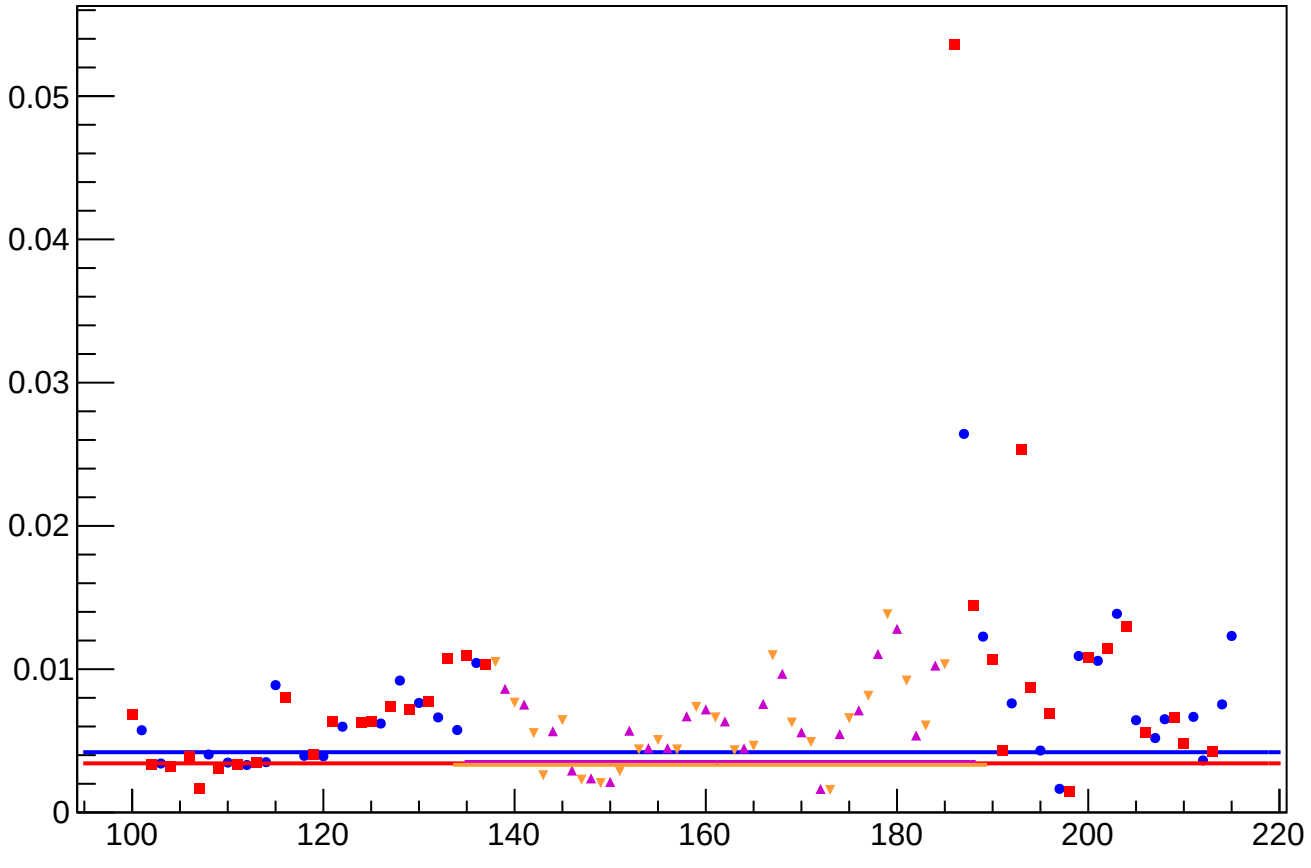
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 146.7/64

In: 0.000+/-0.000 χ^2/NDF:73.2/53

Out: -0.000+/-0.000 χ^2/NDF:152.9/58

All: -0.000+/-0.000 χ^2/NDF: 235.2/112



Right In: 0.004+/-0.000 χ^2/NDF: 9454718.3/30

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 13307035.3/33

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

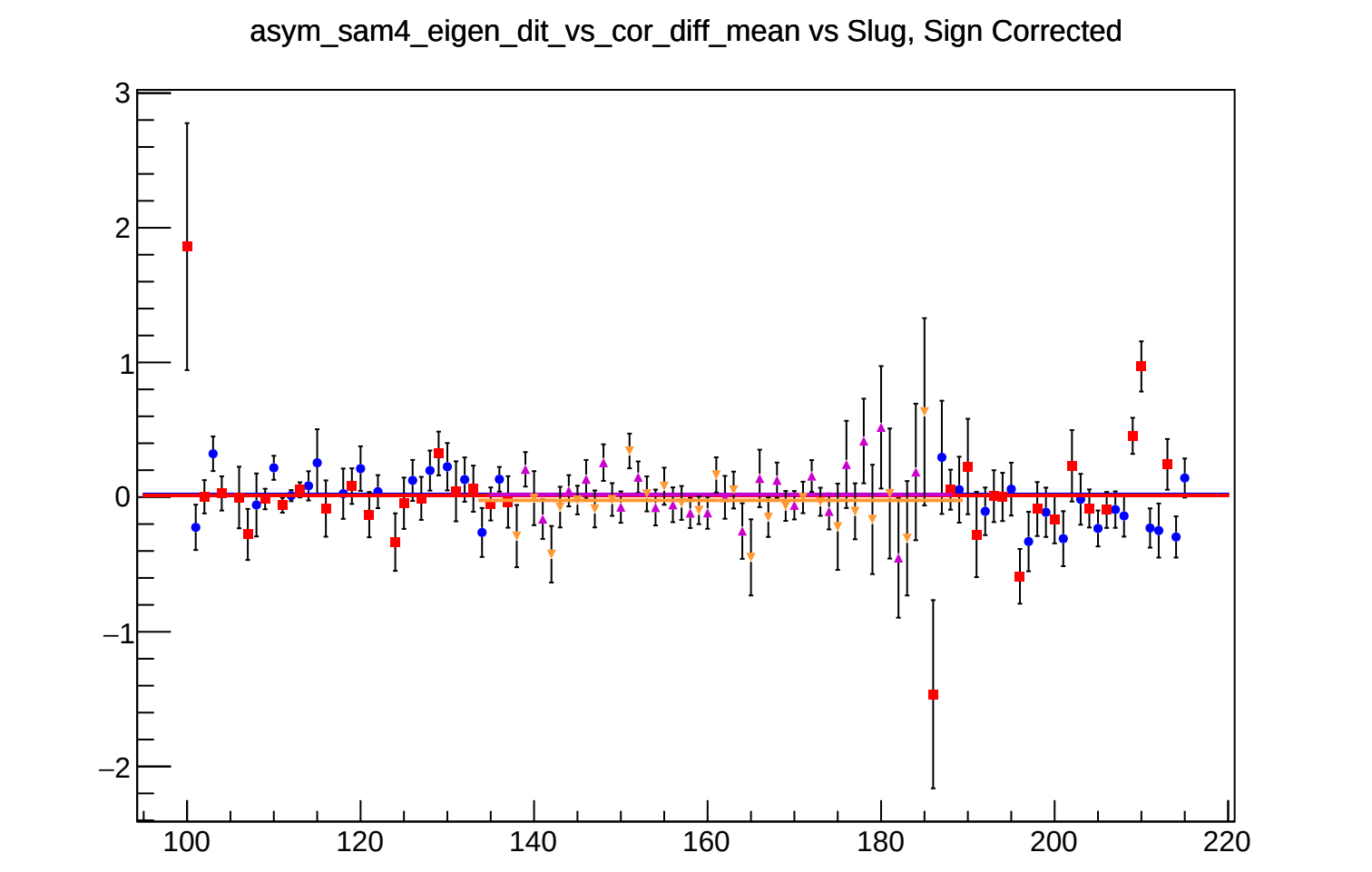
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 23285427.0/64

In: 0.004+/-0.000 χ^2/NDF:19289647.4/53

Out: 0.003+/-0.000 χ^2/NDF:23804153.0/58

All: 0.004+/-0.000 χ^2/NDF: 43481836.7/112



Right In: 0.020+/-0.023 χ^2/NDF: 44.7/30

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.012+/-0.023 χ^2/NDF: 73.3/33

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

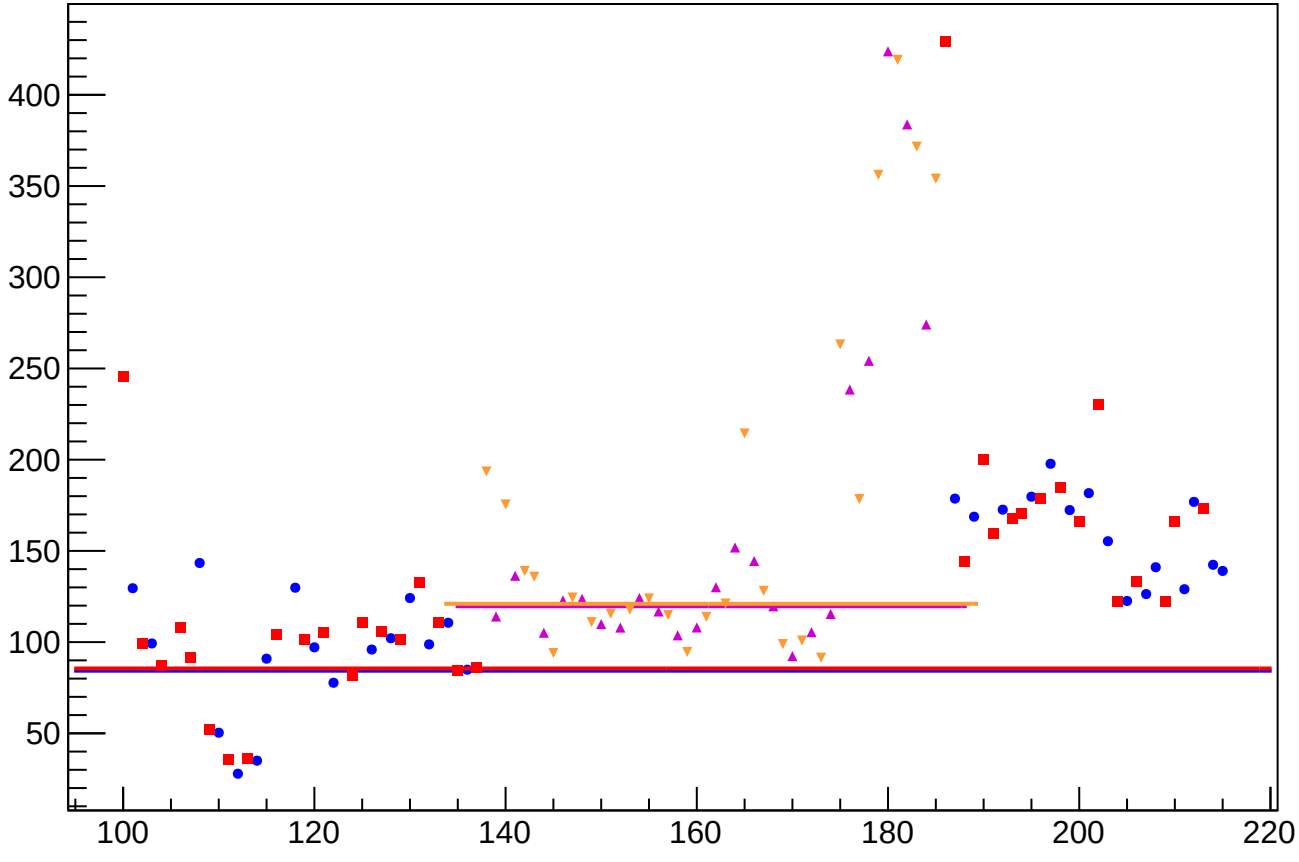
Right: 0.016+/-0.016 χ^2/NDF: 118.0/64

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.009+/-0.013 χ^2/NDF: 164.7/112

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.355+/-0.016 χ^2/NDF: 9959788.7/30

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 85.538+/-0.017 χ^2/NDF: 9187620.3/33

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

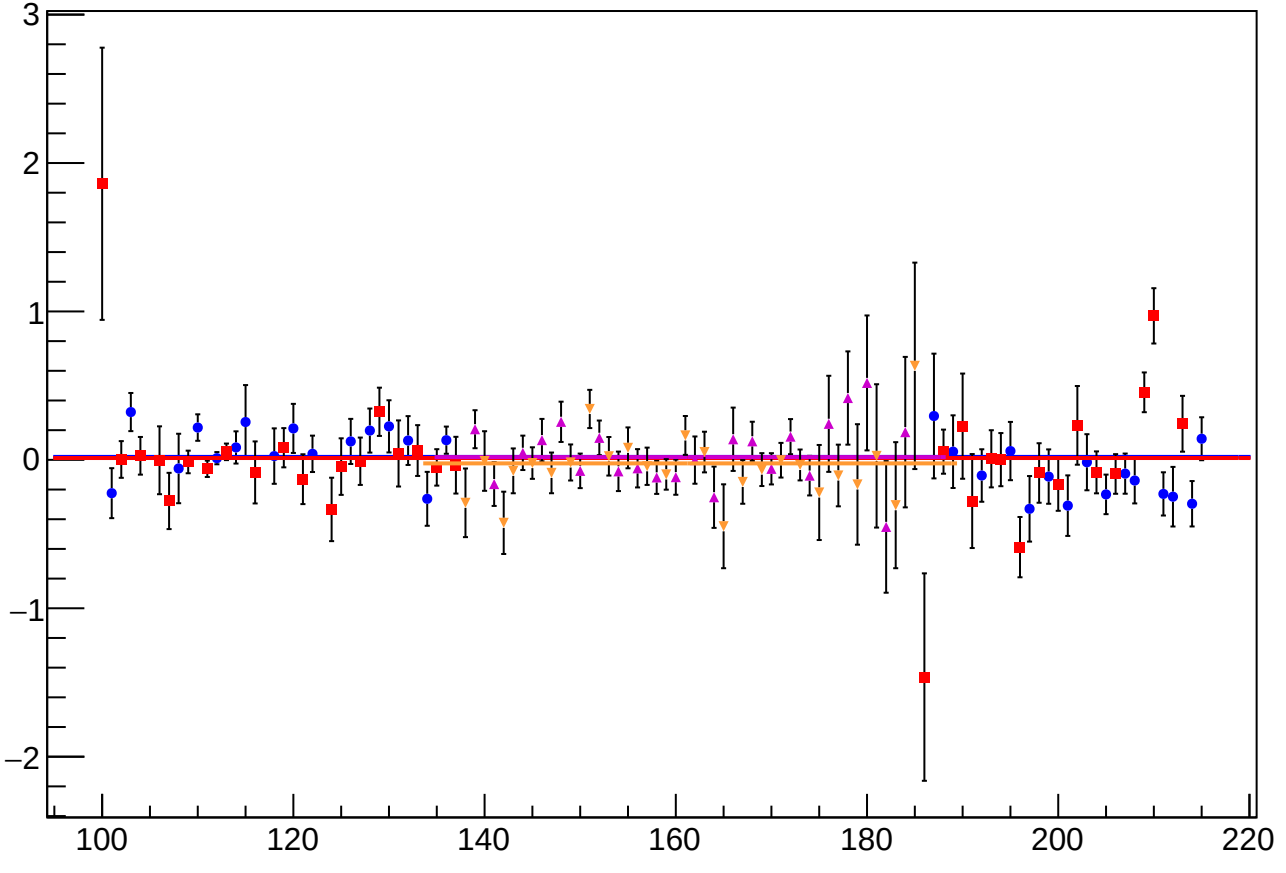
Right: 84.940+/-0.012 χ^2/NDF: 19149994.1/64

In: 97.404+/-0.013 χ^2/NDF:14520657.1/53

Out: 99.006+/-0.013 χ^2/NDF:15027262.5/58

All: 98.203+/-0.009 χ^2/NDF: 29555506.0/112

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.023 χ^2/NDF: 44.7/30

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.012+/-0.023 χ^2/NDF: 73.3/33

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

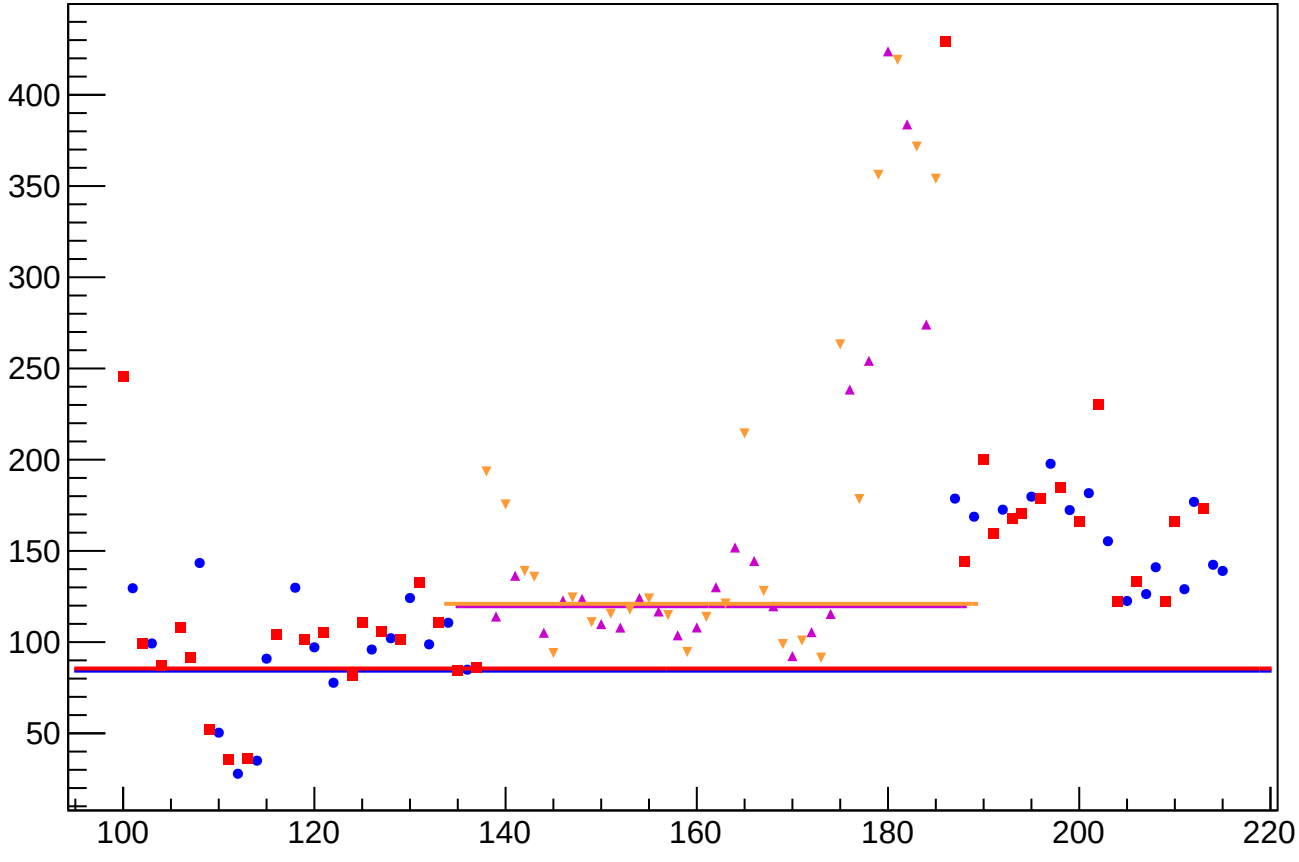
Right: 0.016+/-0.016 χ^2/NDF: 118.0/64

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: -0.001+/-0.018 χ^2/NDF:96.4/58

All: 0.009+/-0.013 χ^2/NDF: 164.7/112

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.355+/-0.016 χ^2/NDF: 9959788.7/30

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 85.538+/-0.017 χ^2/NDF: 9187620.3/33

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

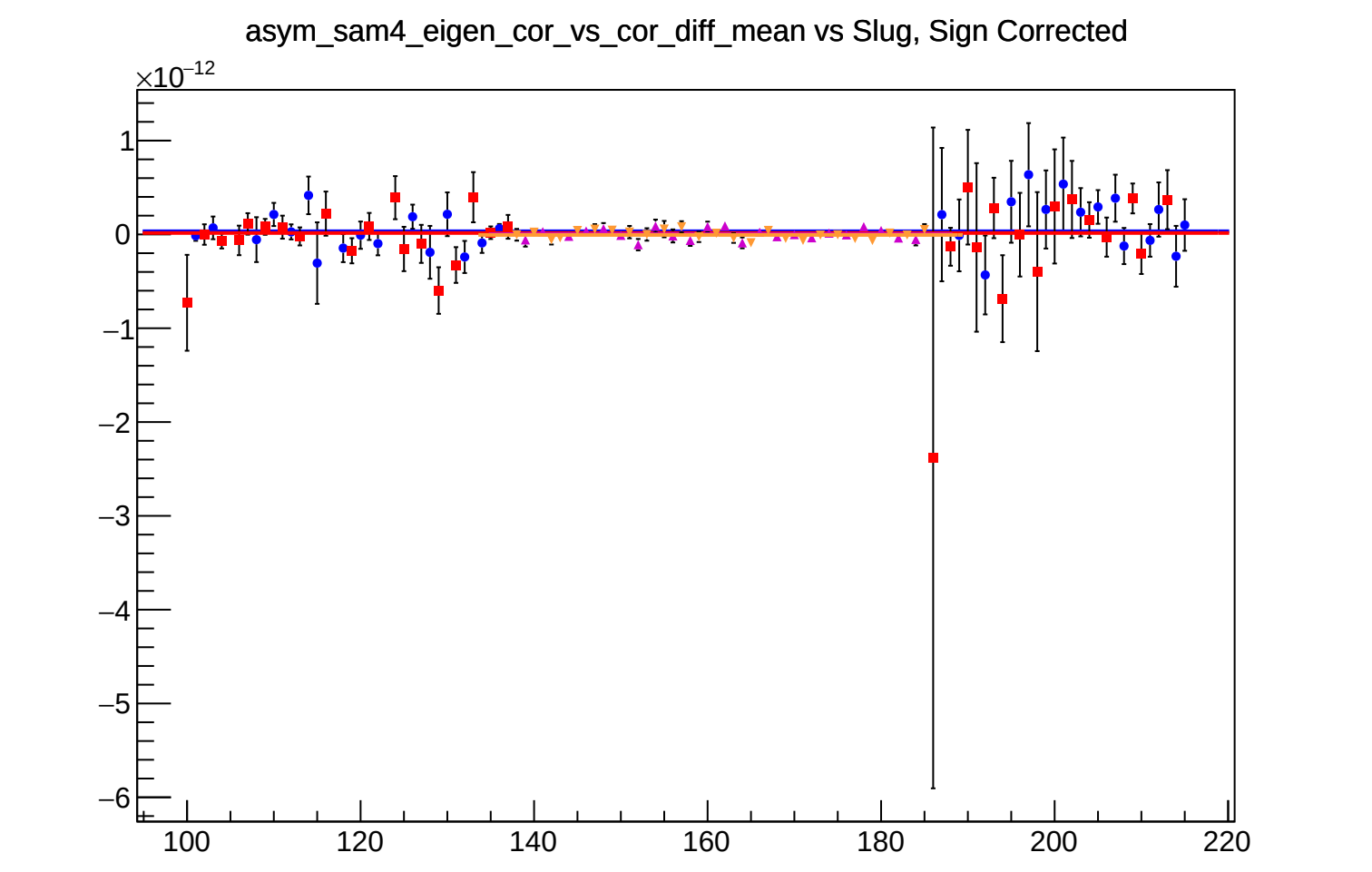
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 84.940+/-0.012 χ^2/NDF: 19149994.1/64

In: 97.404+/-0.013 χ^2/NDF:14520657.1/53

Out: 99.006+/-0.013 χ^2/NDF:15027262.5/58

All: 98.203+/-0.009 χ^2/NDF: 29555506.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/33

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

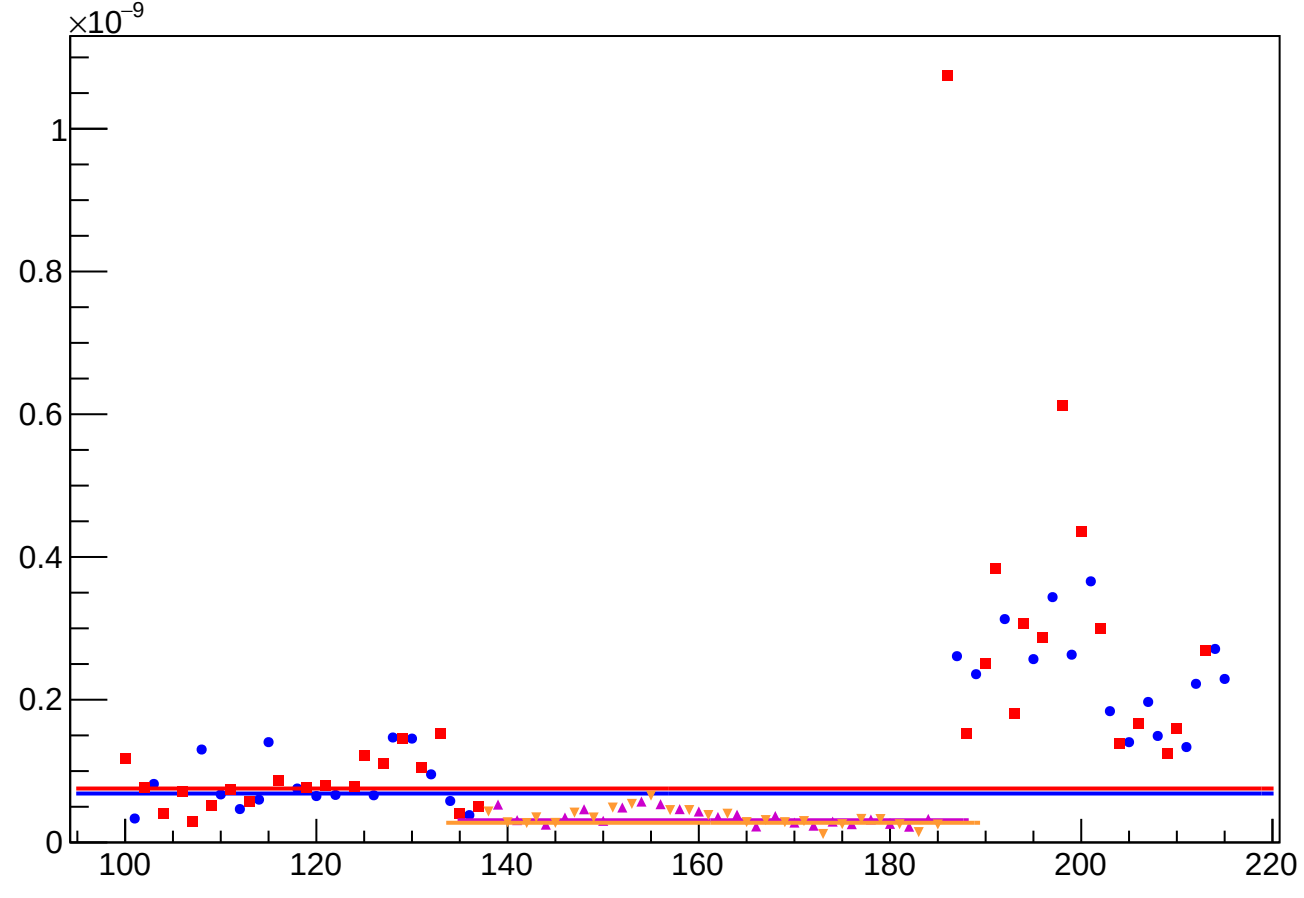
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 66.0/64

In: 0.000+/-0.000 χ^2/NDF:57.3/53

Out: -0.000+/-0.000 χ^2/NDF:60.2/58

All: 0.000+/-0.000 χ^2/NDF: 118.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 9535503.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8071637.7/33

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

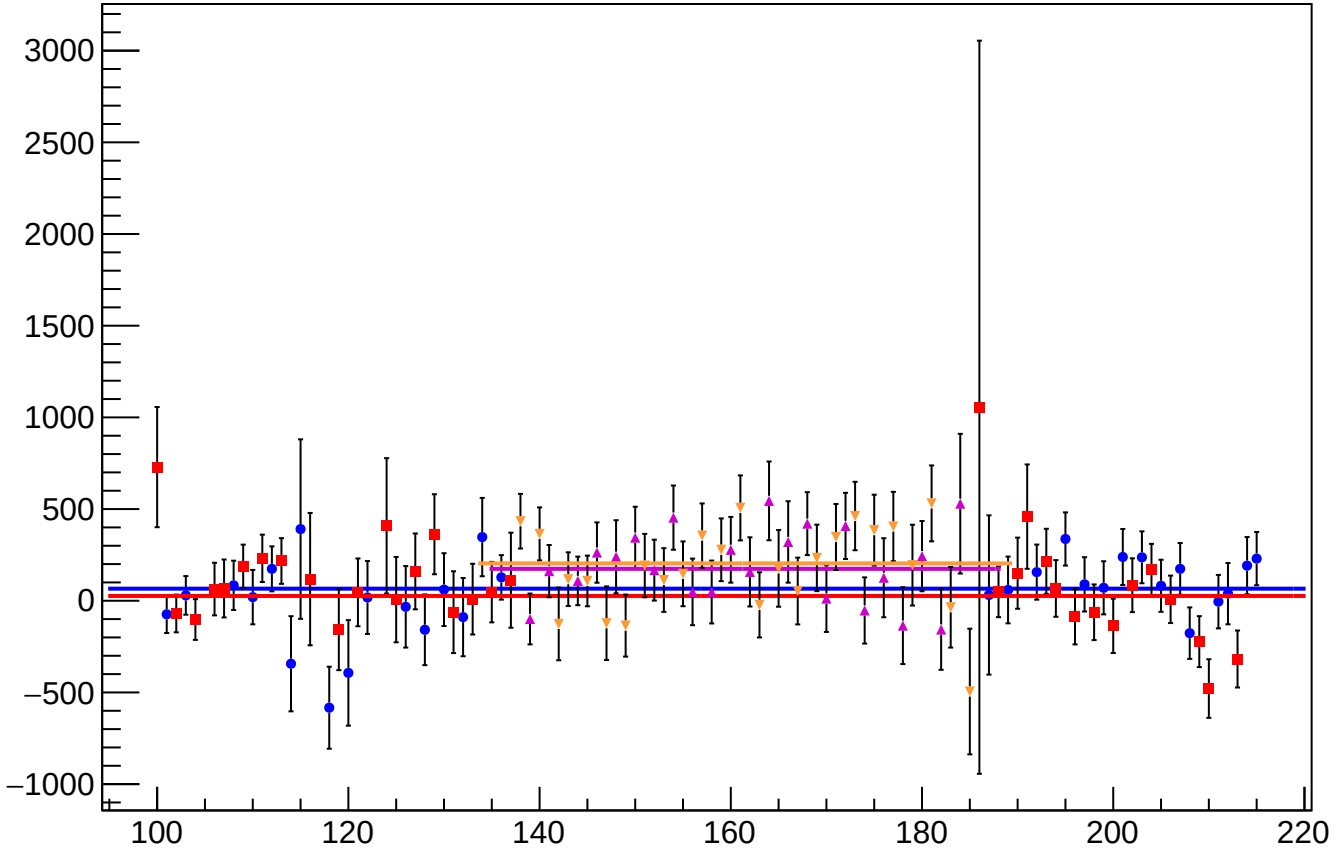
Right: 0.000+/-0.000 χ^2/NDF: 17680376.0/64

In: 0.000+/-0.000 χ^2/NDF:15563105.9/53

Out: 0.000+/-0.000 χ^2/NDF:17593222.1/58

All: 0.000+/-0.000 χ^2/NDF: 33393741.1/112

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 65.875+/-28.292 χ^2/NDF: 33.3/30

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 26.261+/-27.913 χ^2/NDF: 44.3/33

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

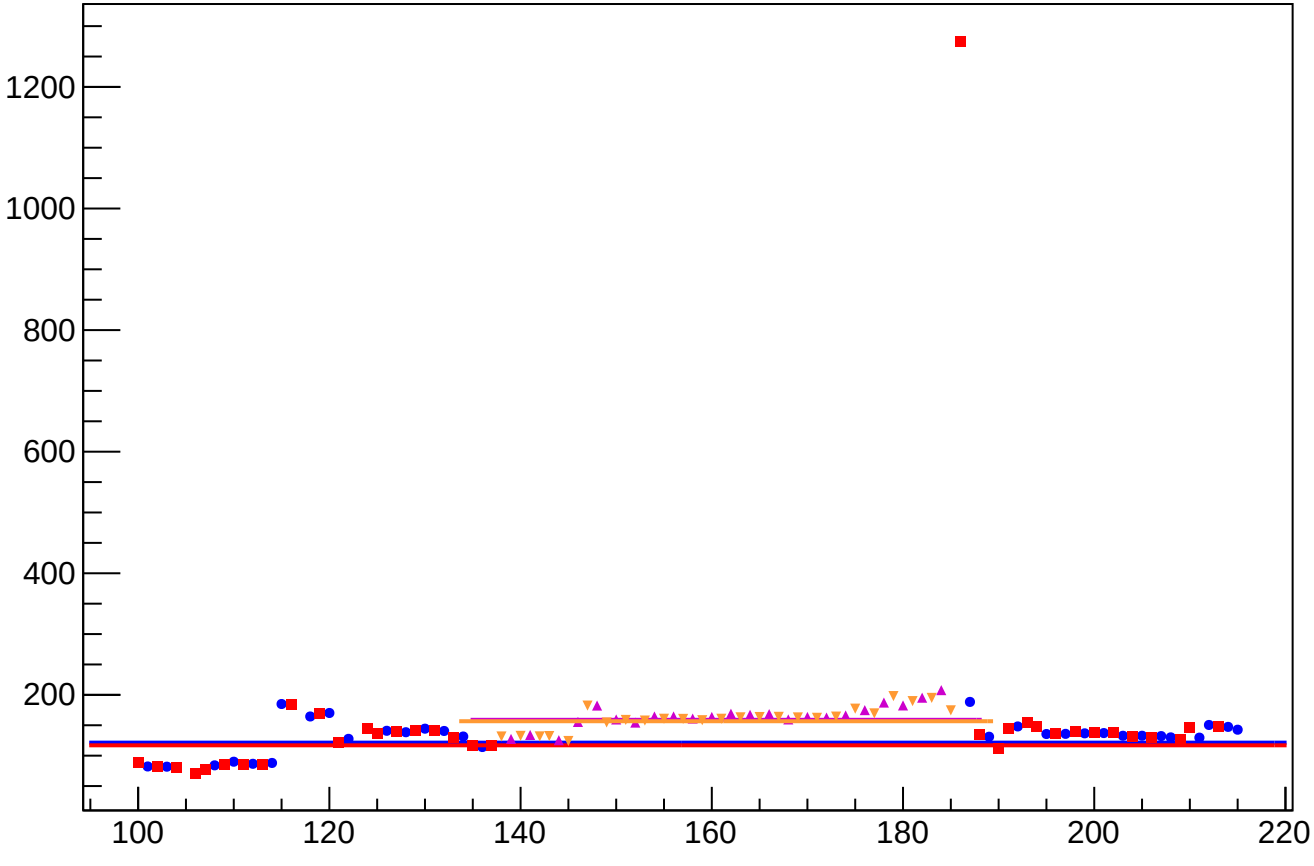
Right: 45.801+/-19.870 χ^2/NDF: 78.6/64

In: 105.212+/-22.564 χ^2/NDF:63.1/53

Out: 93.188+/-22.031 χ^2/NDF:92.4/58

All: 99.056+/-15.763 χ^2/NDF: 155.7/112

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 121.418+/-0.020 χ^2/NDF: 1675312.8/30

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 117.020+/-0.020 χ^2/NDF: 2722895.5/33

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

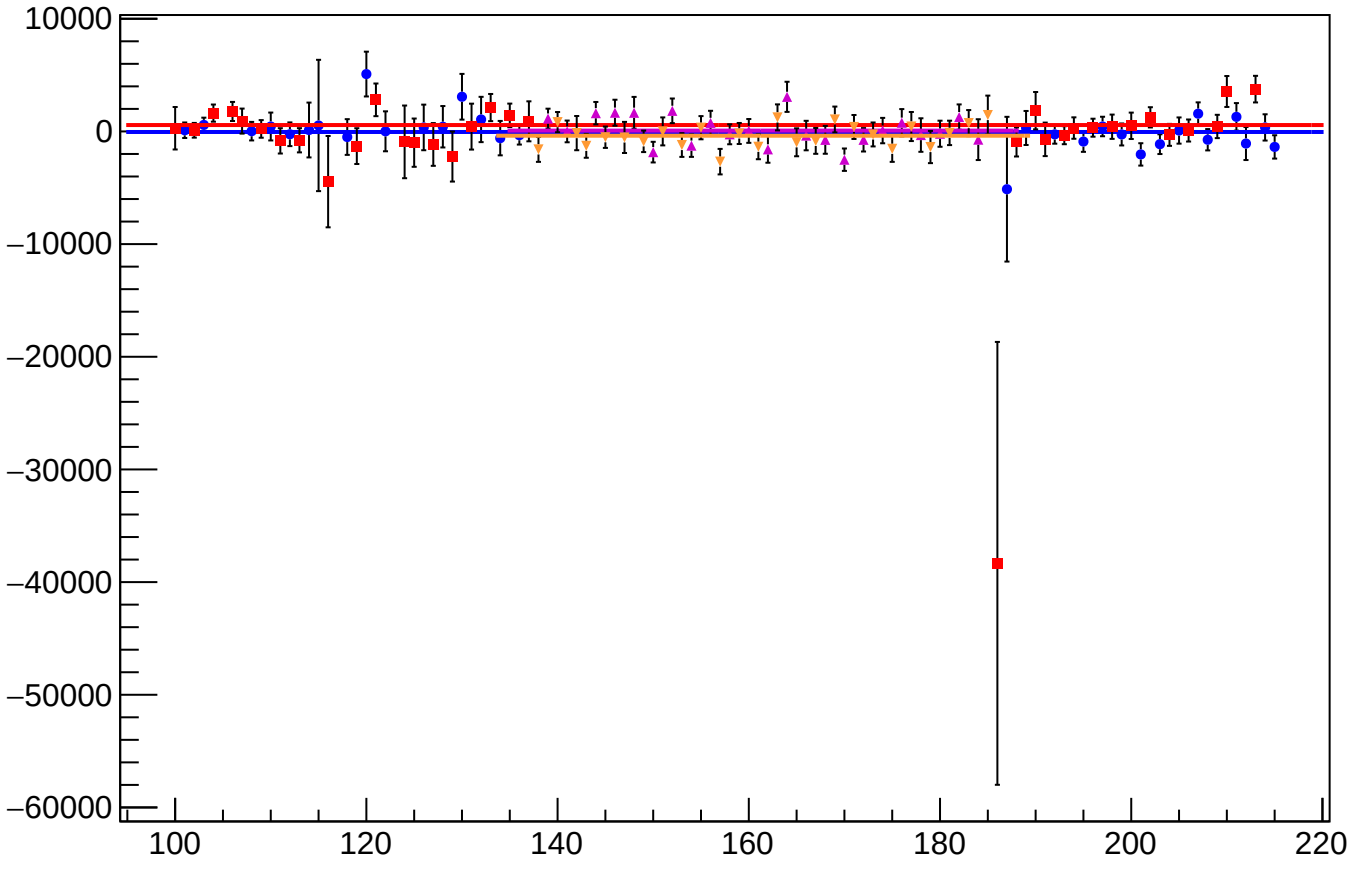
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 119.189+/-0.014 χ^2/NDF: 4422700.7/64

In: 135.076+/-0.016 χ^2/NDF:3467584.6/53

Out: 131.958+/-0.016 χ^2/NDF:4824507.3/58

All: 133.480+/-0.011 χ^2/NDF: 8311648.5/112



Right In: -48.921+/-199.636 χ^2/NDF: 25.1/30

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 566.926+/-194.227 χ^2/NDF: 40.4/33

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

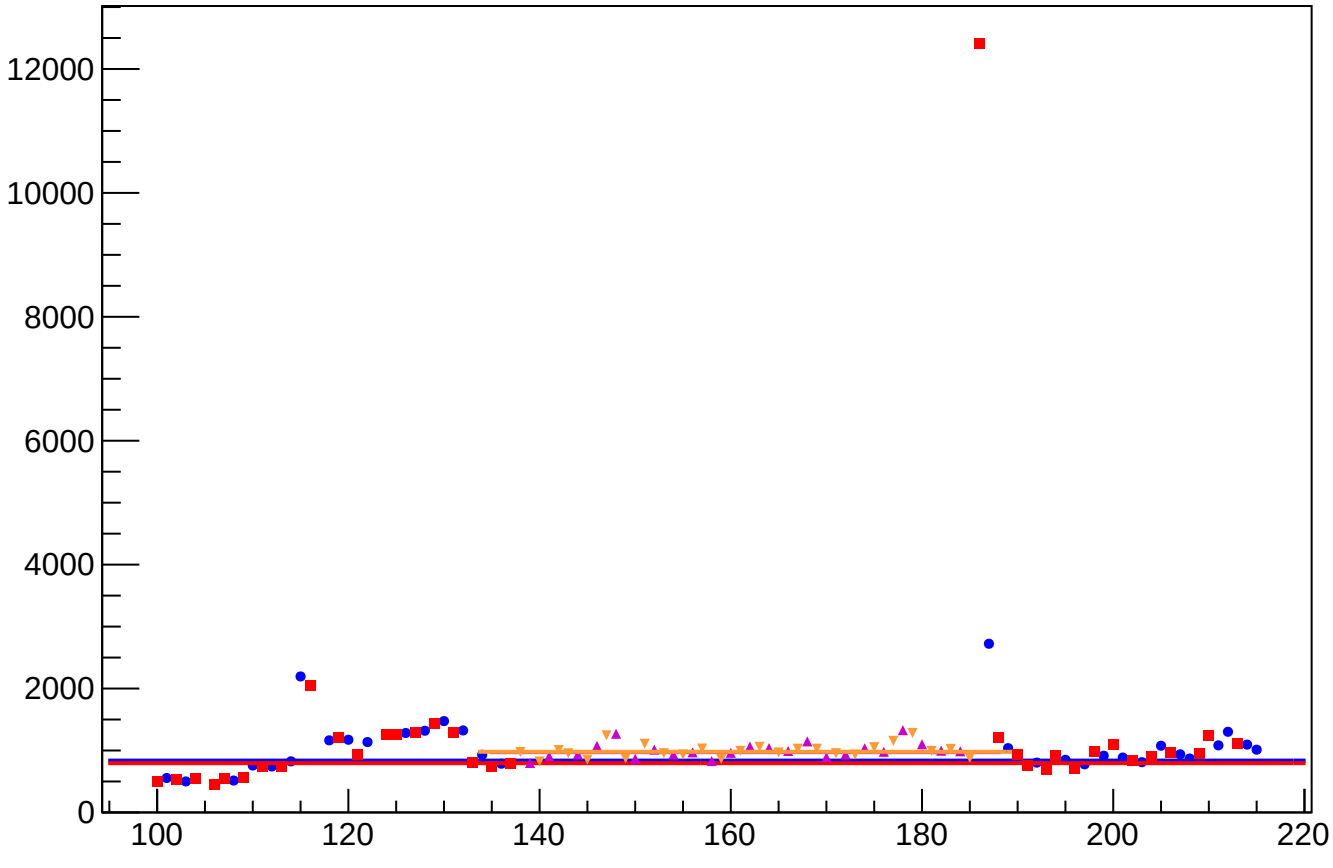
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 267.458+/-139.212 χ^2/NDF: 70.5/64

In: 4.140+/-150.705 χ^2/NDF:58.4/53

Out: 161.383+/-146.900 χ^2/NDF:69.4/58

All: 84.771+/-105.193 χ^2/NDF: 128.3/112



Right In: 837.001+/-0.141 χ^2/NDF: 2868593.3/30

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 795.434+/-0.137 χ^2/NDF: 3836263.6/33

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

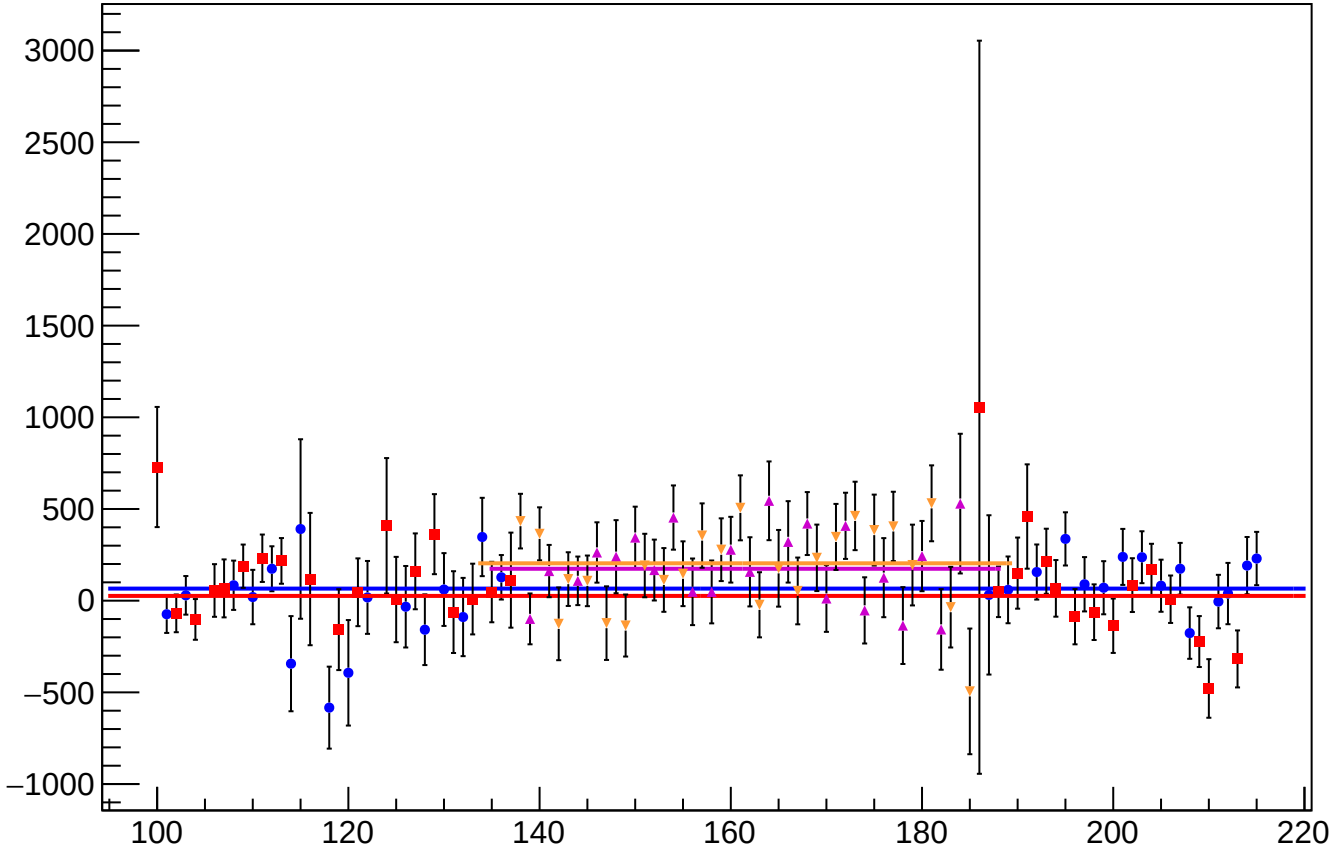
Right: 815.647+/-0.098 χ^2/NDF: 6749400.0/64

In: 895.850+/-0.107 χ^2/NDF:3771252.5/53

Out: 874.041+/-0.104 χ^2/NDF:5031524.3/58

All: 884.667+/-0.074 χ^2/NDF: 8824253.6/112

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 65.873+/-28.292 χ^2/NDF: 33.3/30

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 25.973+/-27.914 χ^2/NDF: 44.2/33

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

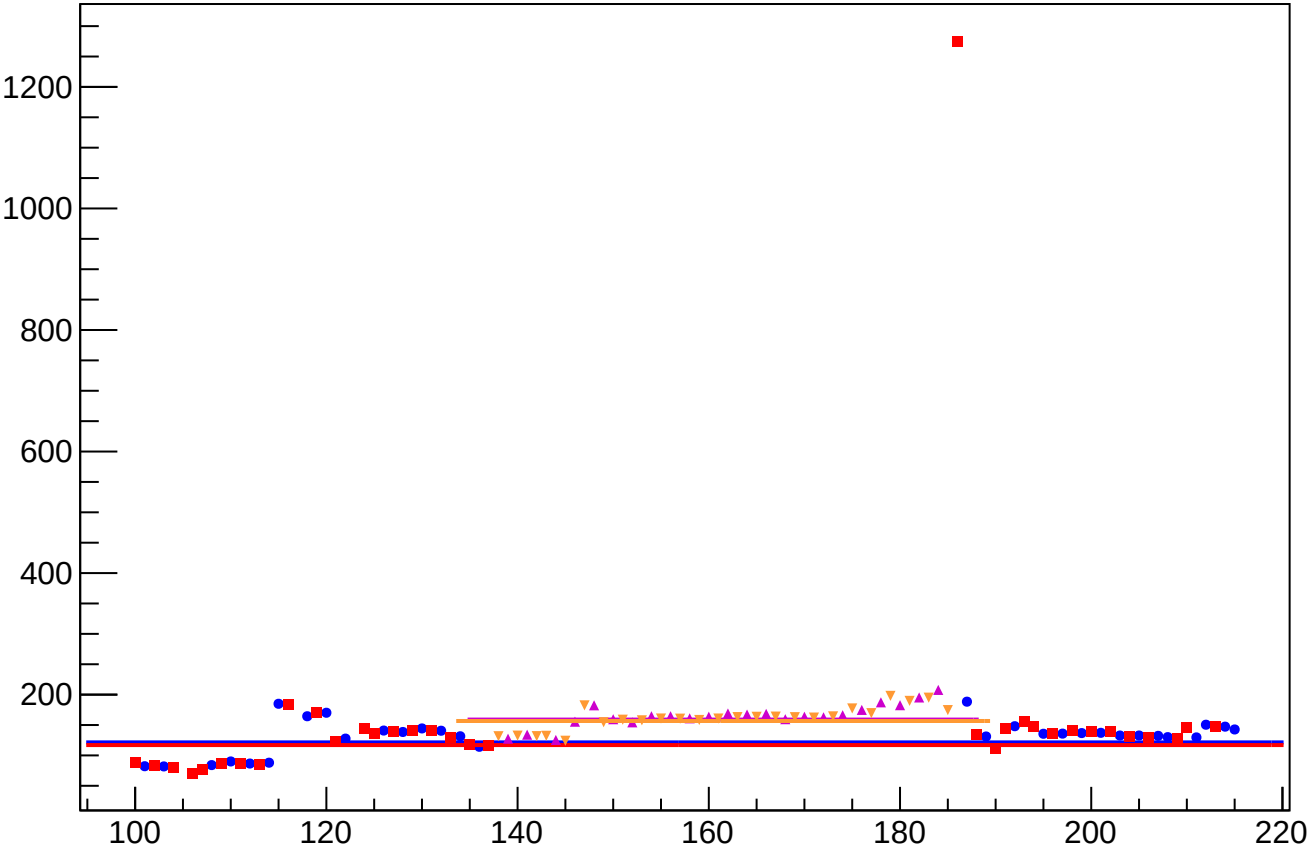
Right: 45.654+/-19.870 χ^2/NDF: 78.6/64

In: 105.212+/-22.564 χ^2/NDF:63.2/53

Out: 93.014+/-22.031 χ^2/NDF:92.4/58

All: 98.967+/-15.763 χ^2/NDF: 155.7/112

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 121.418+/-0.020 χ^2/NDF: 1675311.4/30

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 117.008+/-0.020 χ^2/NDF: 2726186.8/33

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

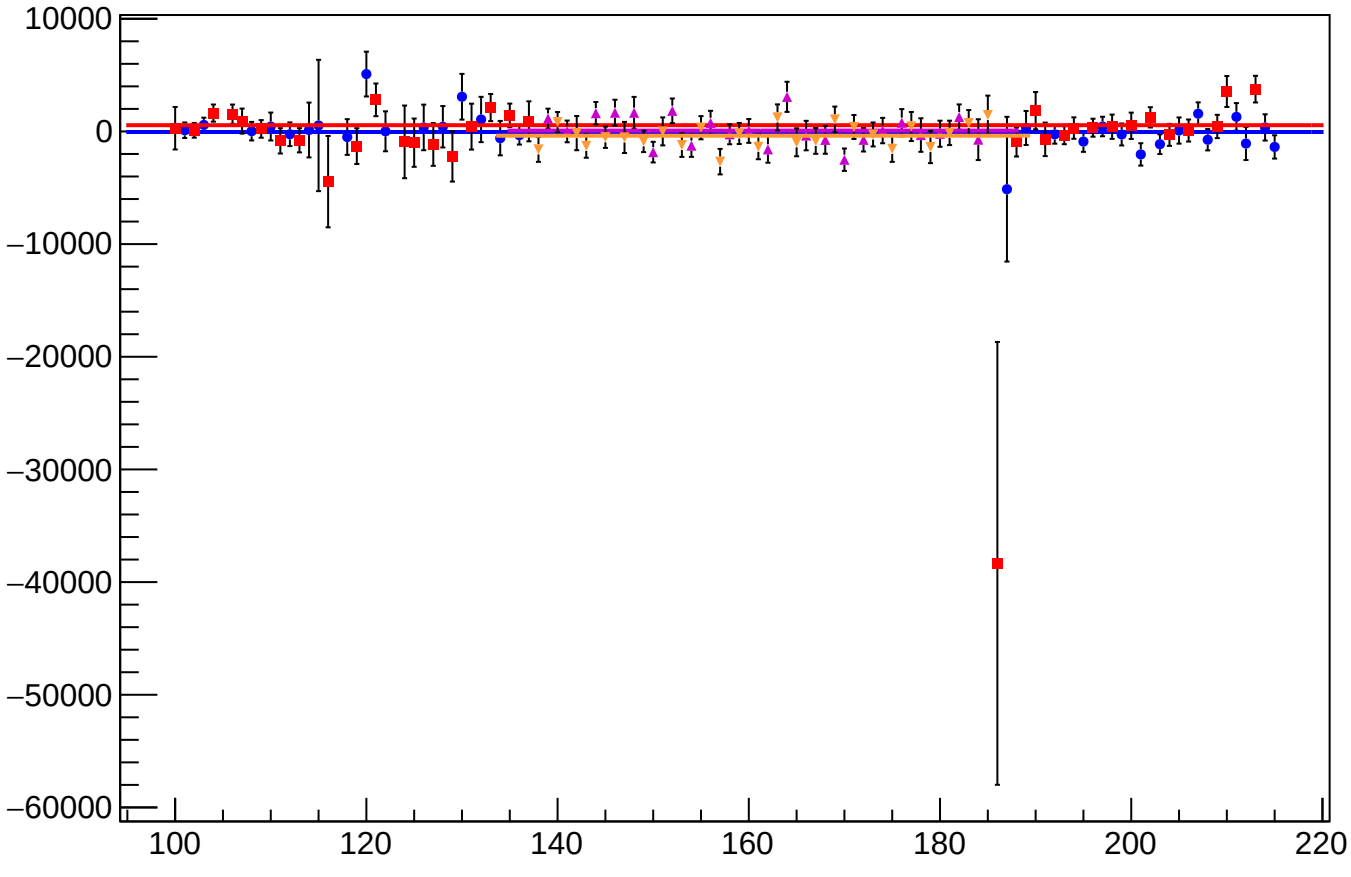
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.183+/-0.014 χ^2/NDF: 4426119.2/64

In: 135.076+/-0.016 χ^2/NDF:3467582.6/53

Out: 131.952+/-0.016 χ^2/NDF:4828645.2/58

All: 133.477+/-0.011 χ^2/NDF: 8315865.9/112



Right In: -48.918+/-199.636 χ^2/NDF: 25.1/30

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 553.559+/-194.294 χ^2/NDF: 39.7/33

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

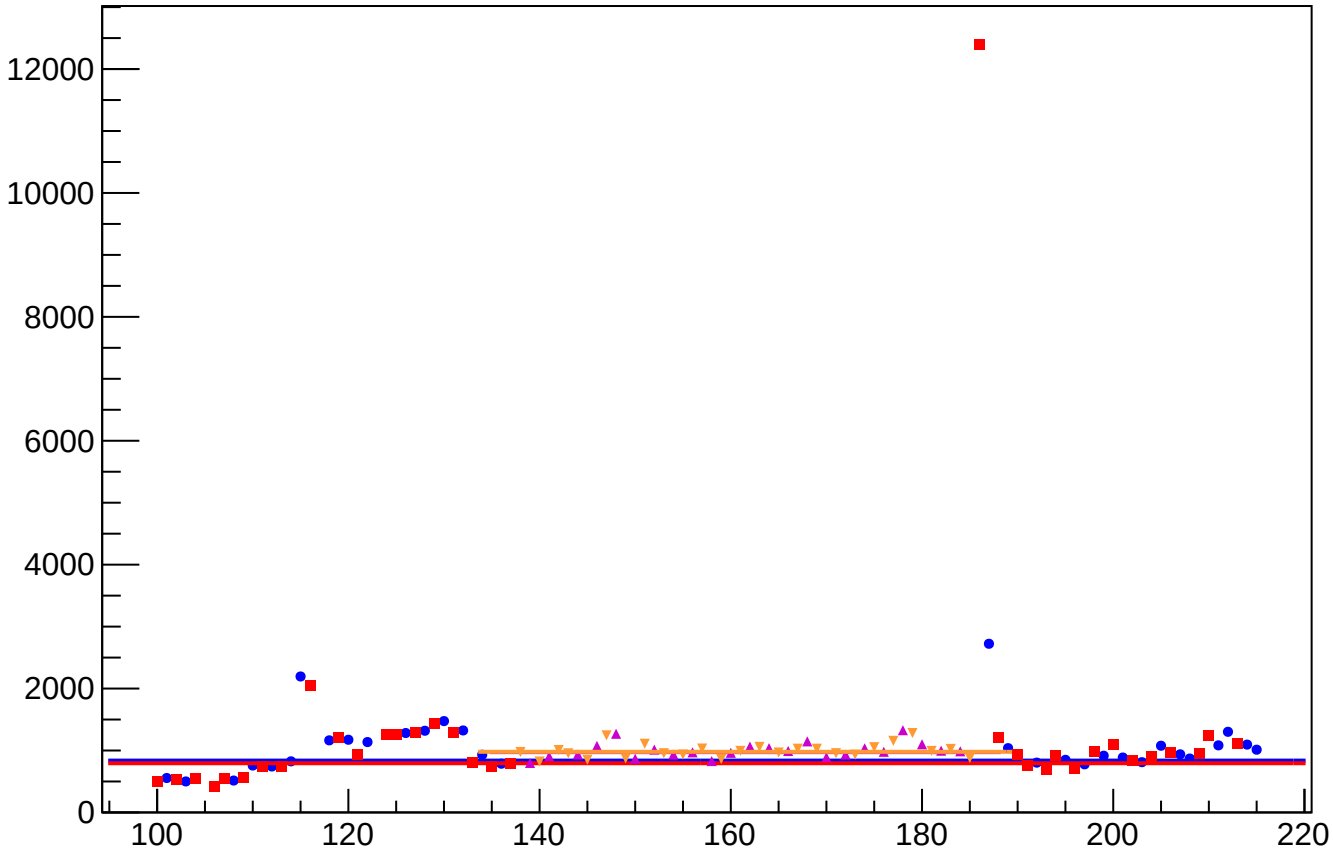
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 260.488+/-139.237 χ^2/NDF: 69.5/64

In: 4.141+/-150.705 χ^2/NDF:58.4/53

Out: 153.585+/-146.929 χ^2/NDF:68.3/58

All: 80.758+/-105.204 χ^2/NDF: 127.2/112



Right In: 837.001+/-0.141 χ^2/NDF: 2868596.8/30

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 794.407+/-0.137 χ^2/NDF: 3879889.1/33

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

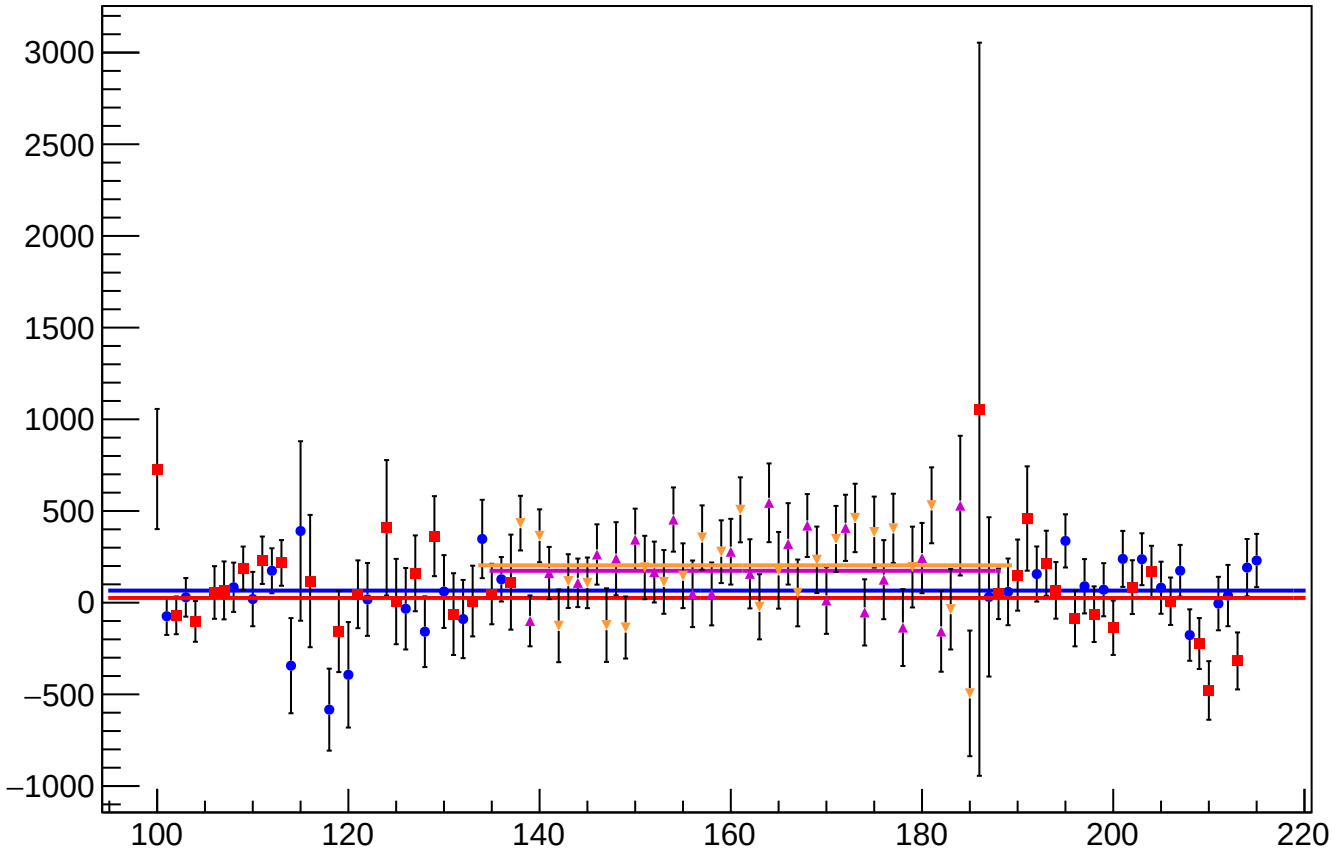
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 815.126+/-0.098 χ^2/NDF: 6795242.0/64

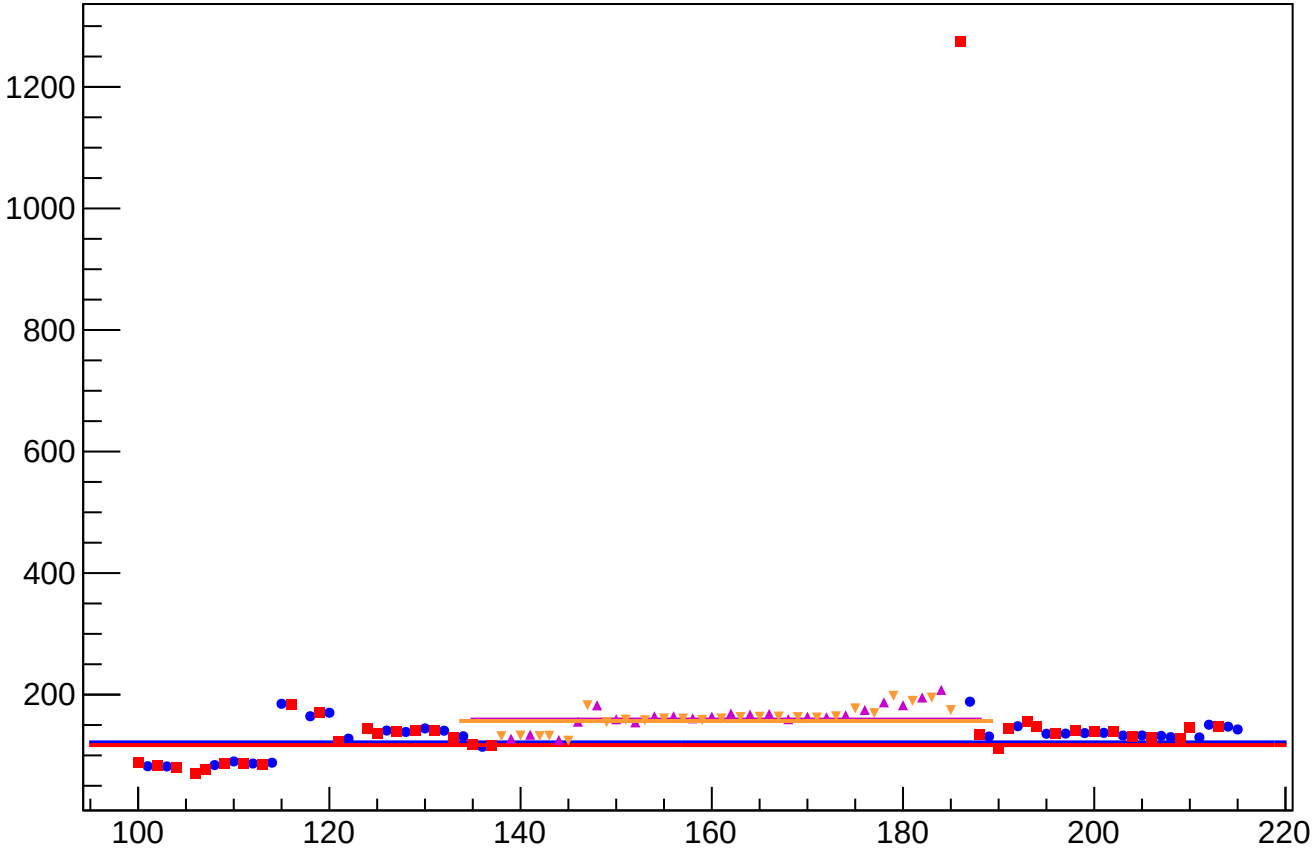
In: 895.850+/-0.107 χ^2/NDF:3771259.3/53

Out: 873.484+/-0.104 χ^2/NDF:5083510.6/58

All: 884.383+/-0.074 χ^2/NDF: 8877352.4/112


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: 65.873+/-28.292 χ²/NDF: 33.3/30
Left Out: 203.766+/-35.878 χ²/NDF:32.9/24
Right Out: 25.973+/-27.914 χ²/NDF: 44.2/33
Left In: 173.978+/-37.405 χ²/NDF:24.5/22
Left: 189.493+/-25.893 χ²/NDF: 57.7/47
Right: 45.654+/-19.870 χ²/NDF: 78.6/64
In: 105.212+/-22.564 χ²/NDF:63.2/53
Out: 93.014+/-22.031 χ²/NDF:92.4/58
All: 98.967+/-15.763 χ²/NDF: 155.7/112

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 121.418+/-0.020 χ^2/NDF: 1675311.4/30

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 117.008+/-0.020 χ^2/NDF: 2726186.8/33

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

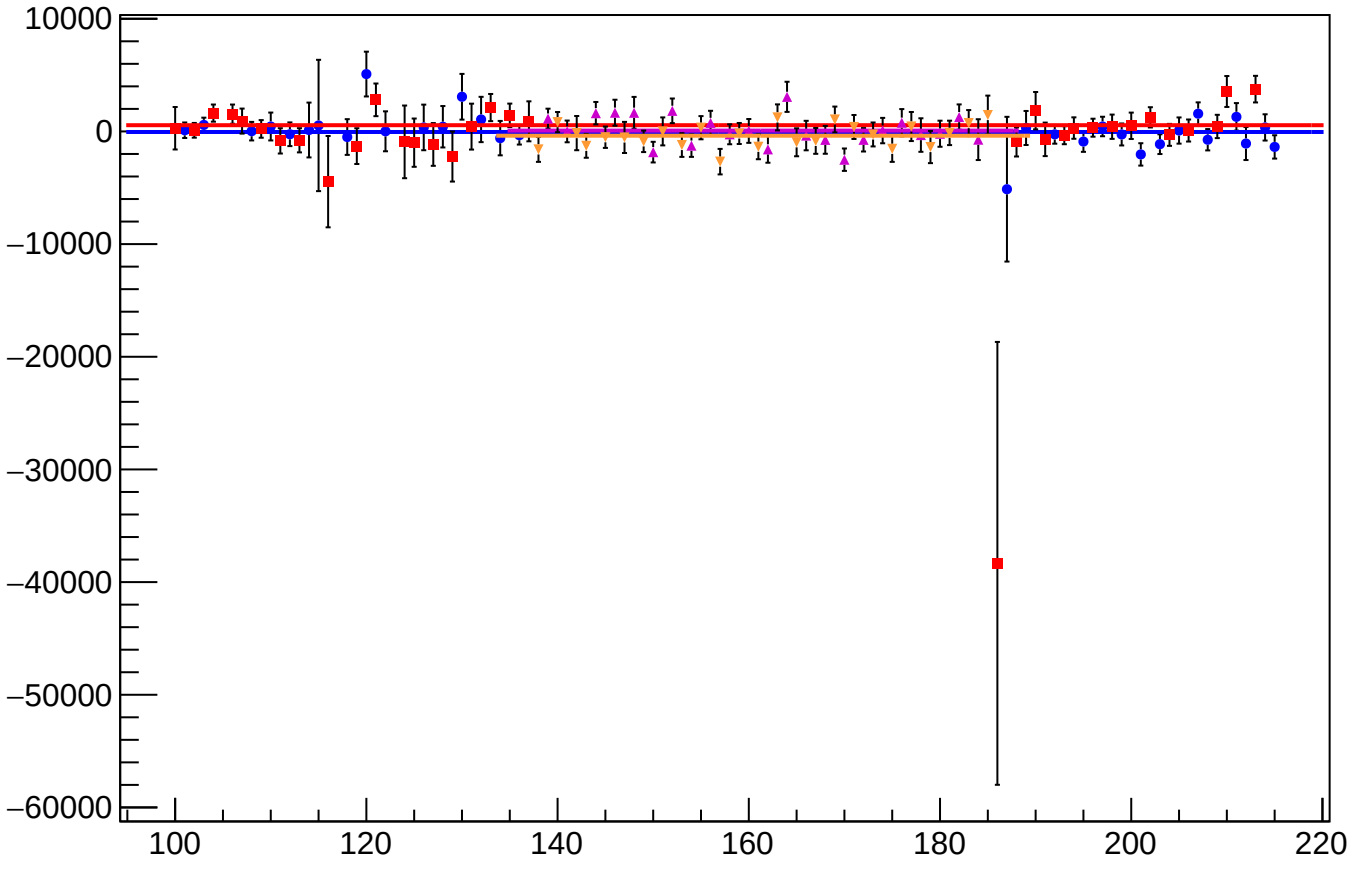
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.183+/-0.014 χ^2/NDF: 4426119.2/64

In: 135.076+/-0.016 χ^2/NDF:3467582.6/53

Out: 131.952+/-0.016 χ^2/NDF:4828645.2/58

All: 133.477+/-0.011 χ^2/NDF: 8315865.9/112



Right In: -48.918+/-199.636 χ^2/NDF: 25.1/30

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 553.559+/-194.294 χ^2/NDF: 39.7/33

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

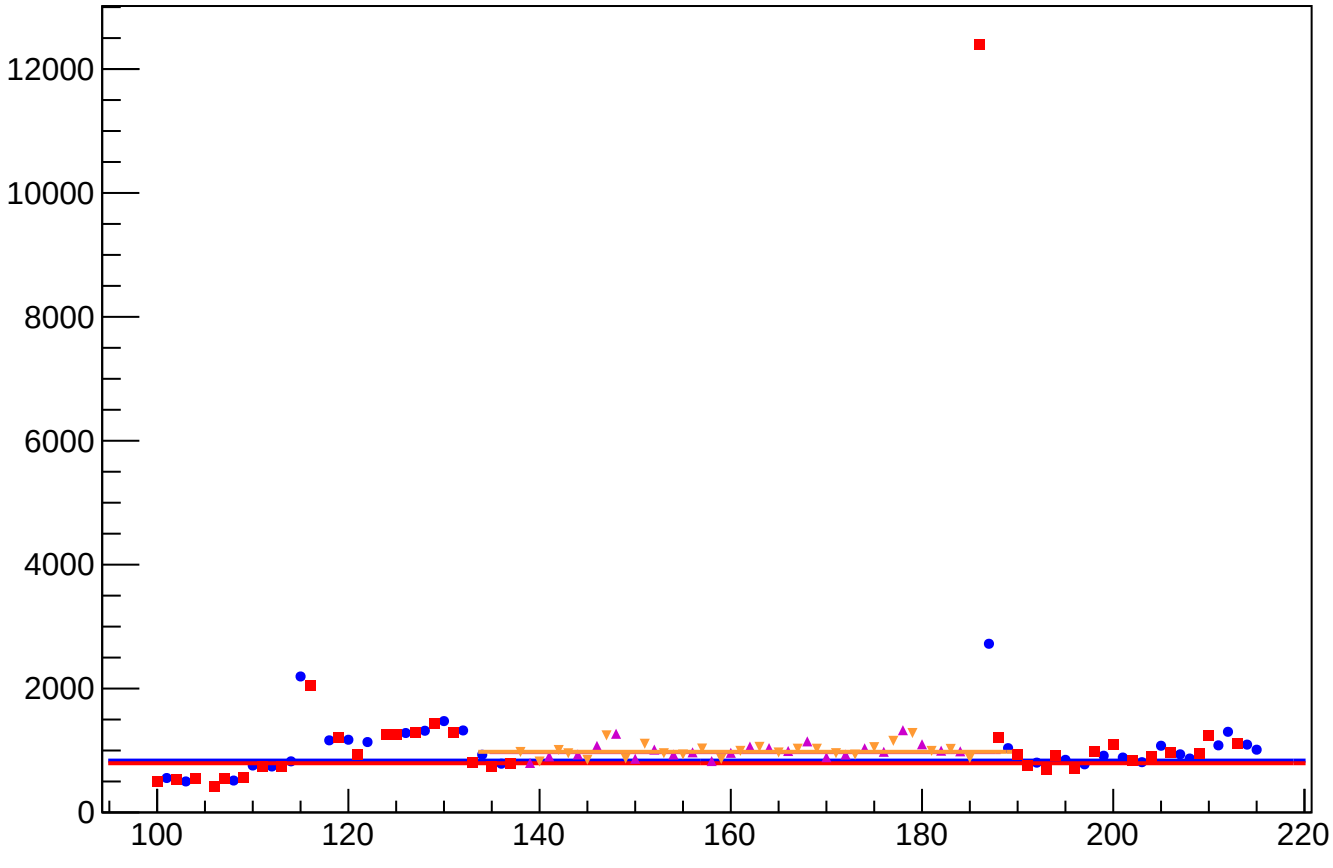
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 260.488+/-139.237 χ^2/NDF: 69.5/64

In: 4.141+/-150.705 χ^2/NDF:58.4/53

Out: 153.585+/-146.929 χ^2/NDF:68.3/58

All: 80.758+/-105.204 χ^2/NDF: 127.2/112



Right In: 837.001+/-0.141 χ^2/NDF: 2868596.8/30

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 794.407+/-0.137 χ^2/NDF: 3879889.1/33

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

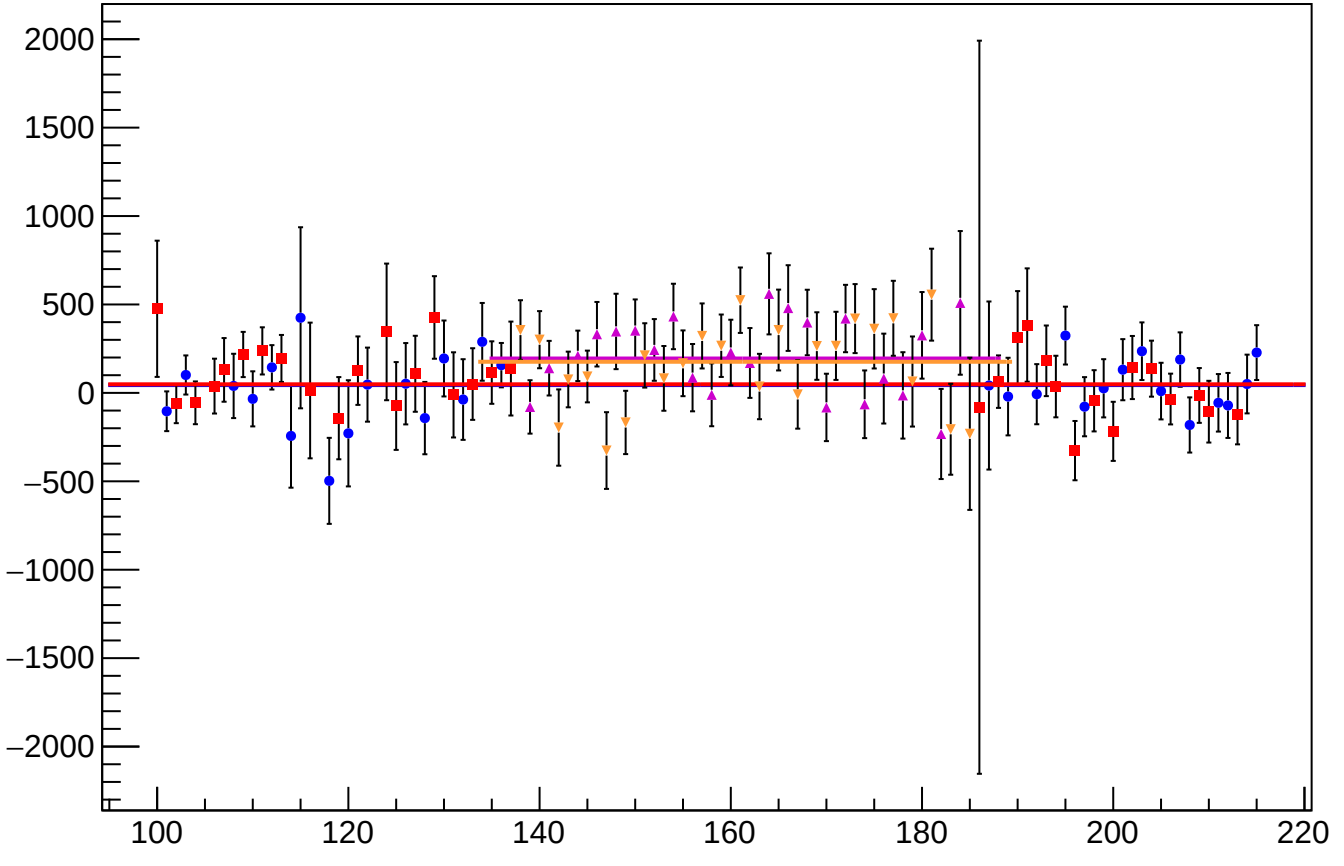
Right: 815.126+/-0.098 χ^2/NDF: 6795242.0/64

In: 895.850+/-0.107 χ^2/NDF:3771259.3/53

Out: 873.484+/-0.104 χ^2/NDF:5083510.6/58

All: 884.383+/-0.074 χ^2/NDF: 8877352.4/112

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 44.192+/-31.029 χ^2/NDF: 24.2/30

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 48.499+/-30.567 χ^2/NDF: 26.1/33

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

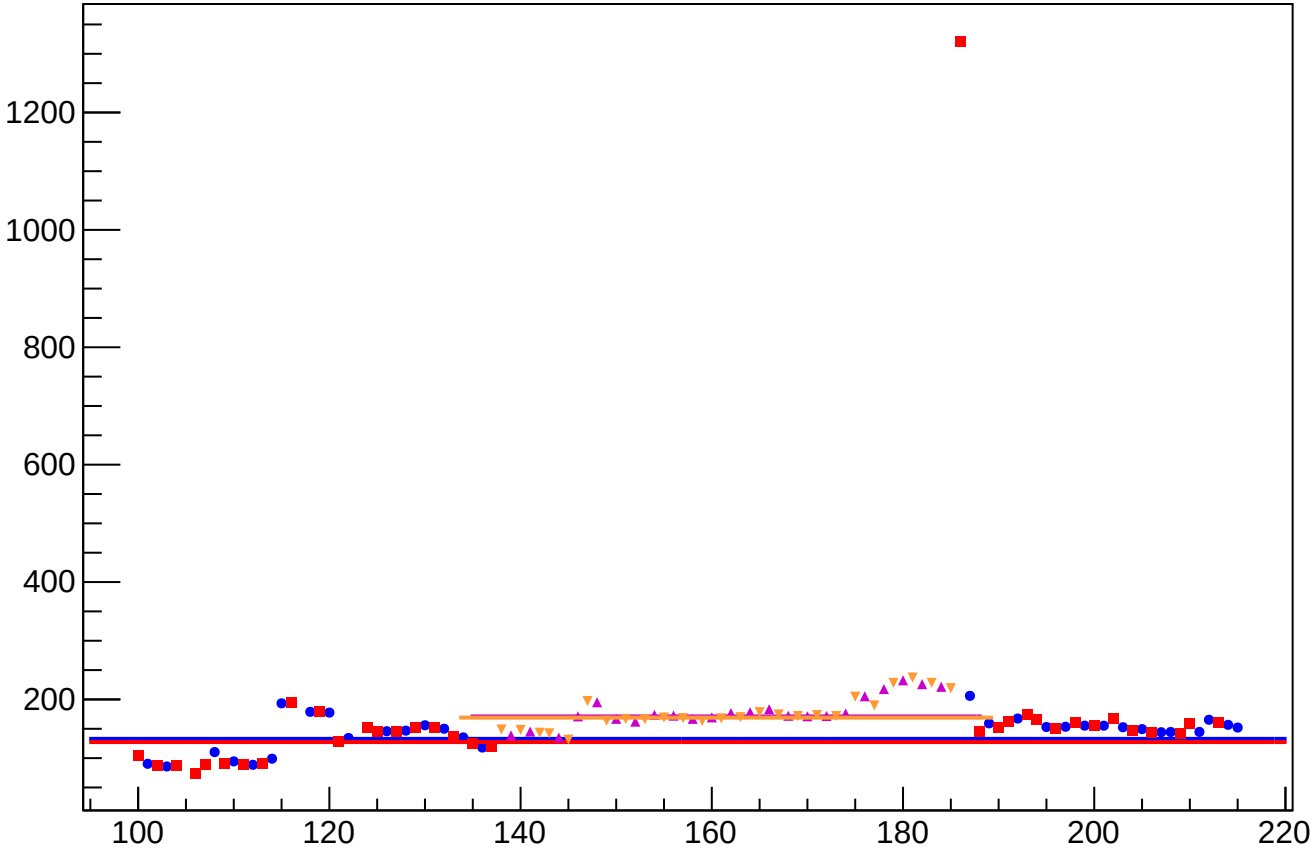
Right: 46.378+/-21.776 χ^2/NDF: 50.3/64

In: 99.924+/-24.605 χ^2/NDF:56.7/53

Out: 97.272+/-24.020 χ^2/NDF:63.6/58

All: 98.566+/-17.188 χ^2/NDF: 120.3/112

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 132.821+/-0.022 χ^2/NDF: 1806389.5/30

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 127.401+/-0.022 χ^2/NDF: 2993506.2/33

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

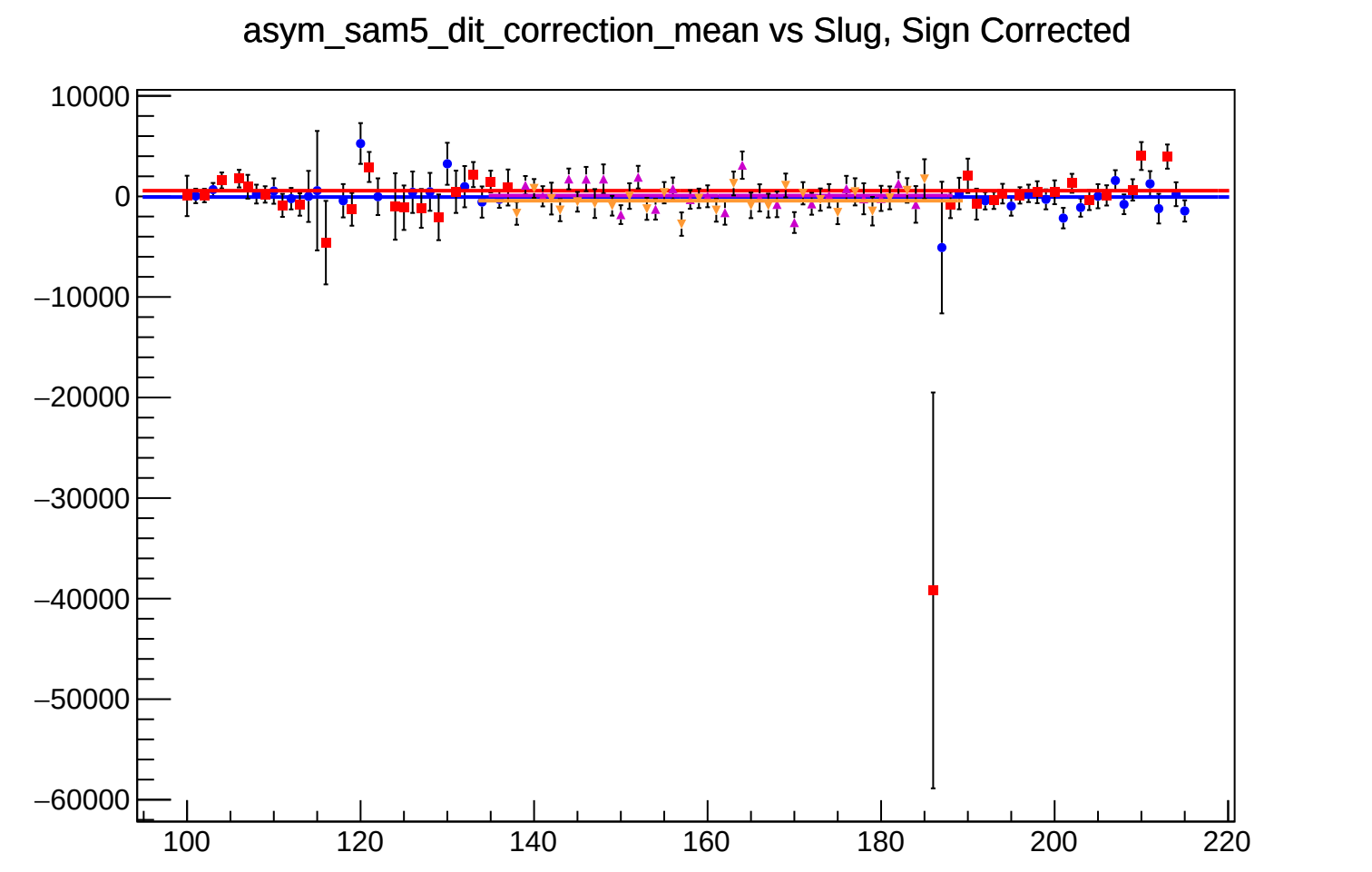
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 130.070+/-0.015 χ^2/NDF: 4830860.2/64

In: 147.001+/-0.017 χ^2/NDF:3609751.7/53

Out: 143.316+/-0.017 χ^2/NDF:5184924.9/58

All: 145.114+/-0.012 χ^2/NDF: 8817648.6/112



Right In: -59.962+/-206.318 χ^2/NDF: 25.7/30

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 570.733+/-200.422 χ^2/NDF: 42.6/33

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

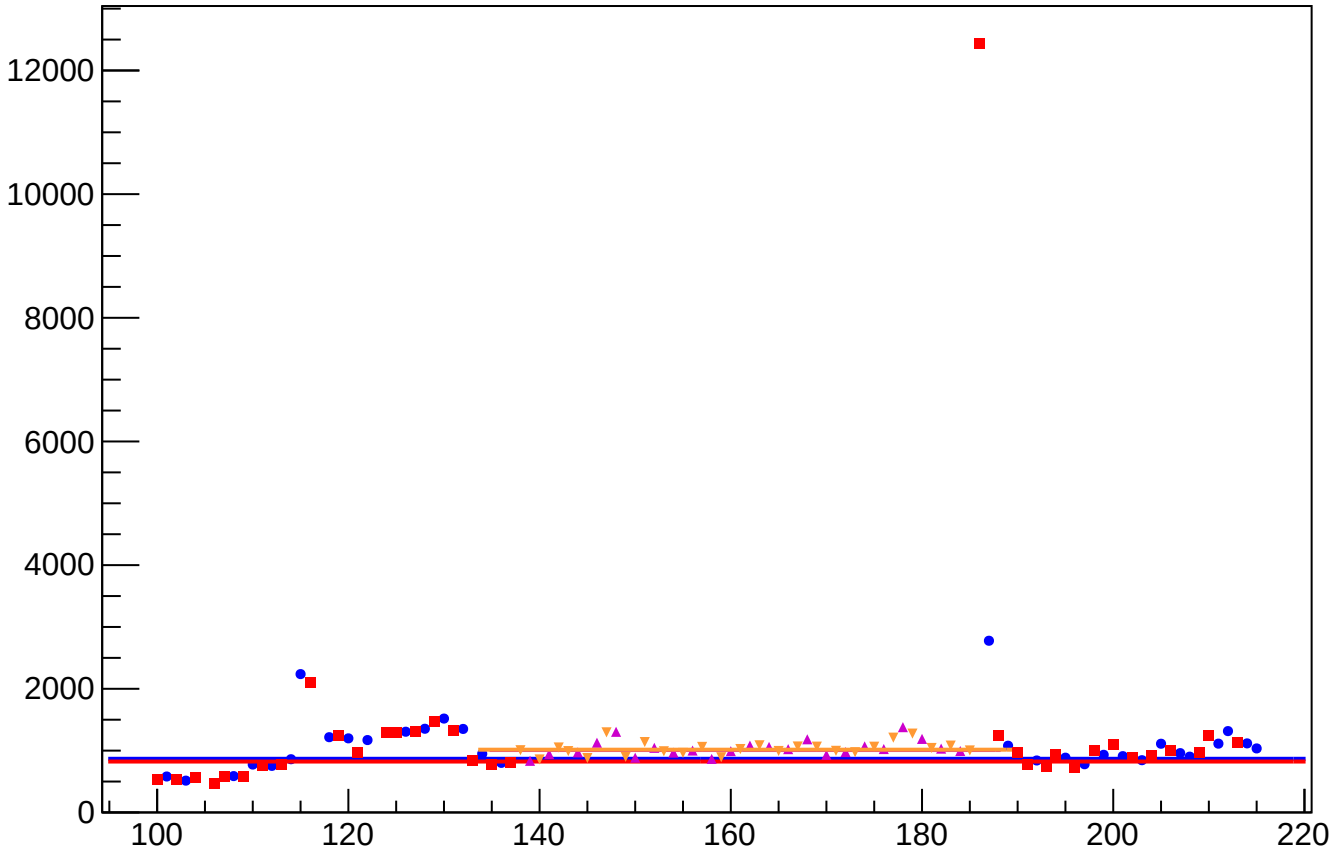
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 264.526+/-143.759 χ^2/NDF: 73.1/64

In: 2.826+/-155.939 χ^2/NDF:58.3/53

Out: 146.023+/-151.821 χ^2/NDF:71.6/58

All: 76.340+/-108.780 χ^2/NDF: 130.3/112



Right In: 867.934+/-0.146 χ^2/NDF: 2689620.9/30

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 823.450+/-0.142 χ^2/NDF: 3687351.3/33

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

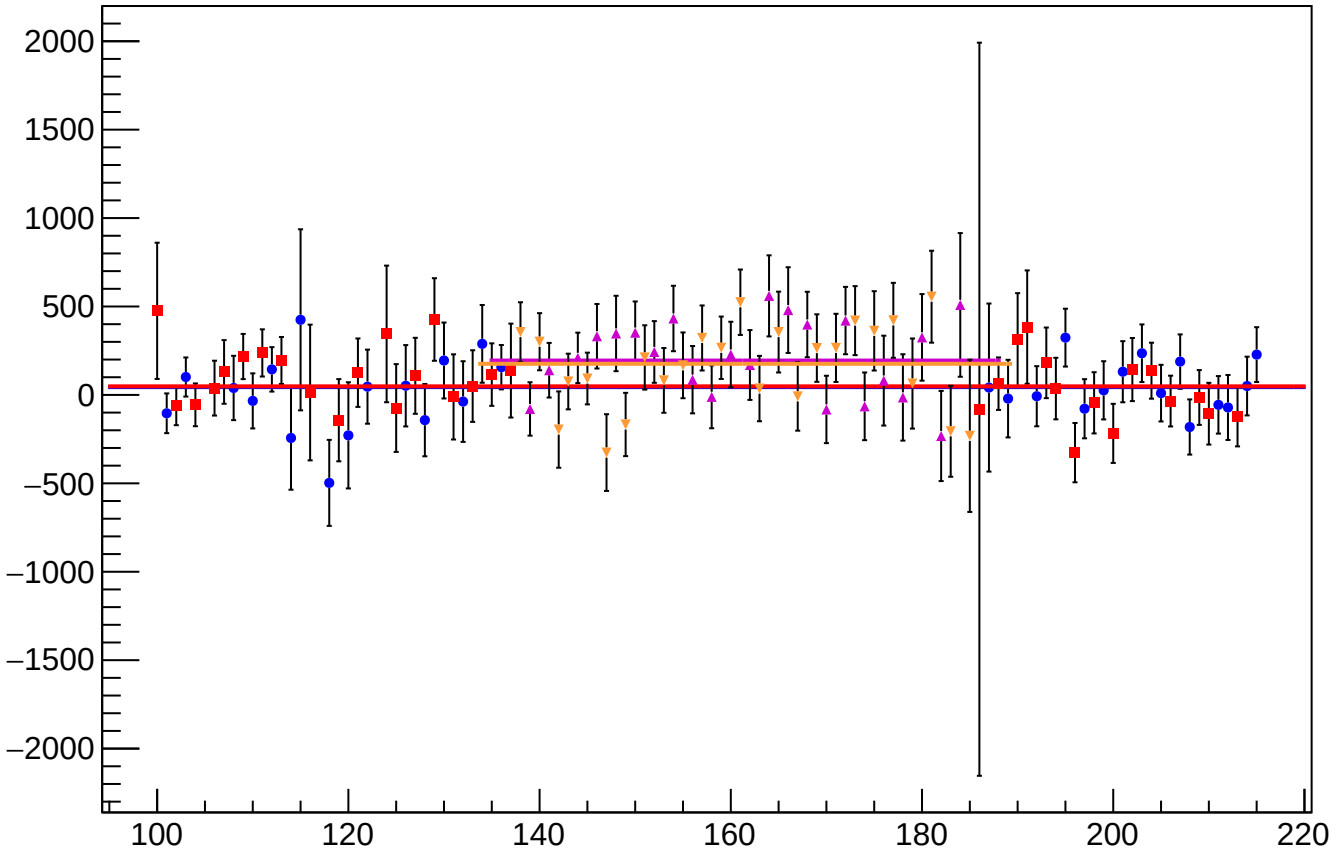
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 845.047+/-0.102 χ^2/NDF: 6424806.9/64

In: 928.702+/-0.110 χ^2/NDF:3593093.2/53

Out: 905.104+/-0.107 χ^2/NDF:4864264.7/58

All: 916.588+/-0.077 χ^2/NDF: 8480871.0/112



Right In: 44.192+/-31.029 χ^2/NDF: 24.2/30

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 48.499+/-30.567 χ^2/NDF: 26.1/33

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

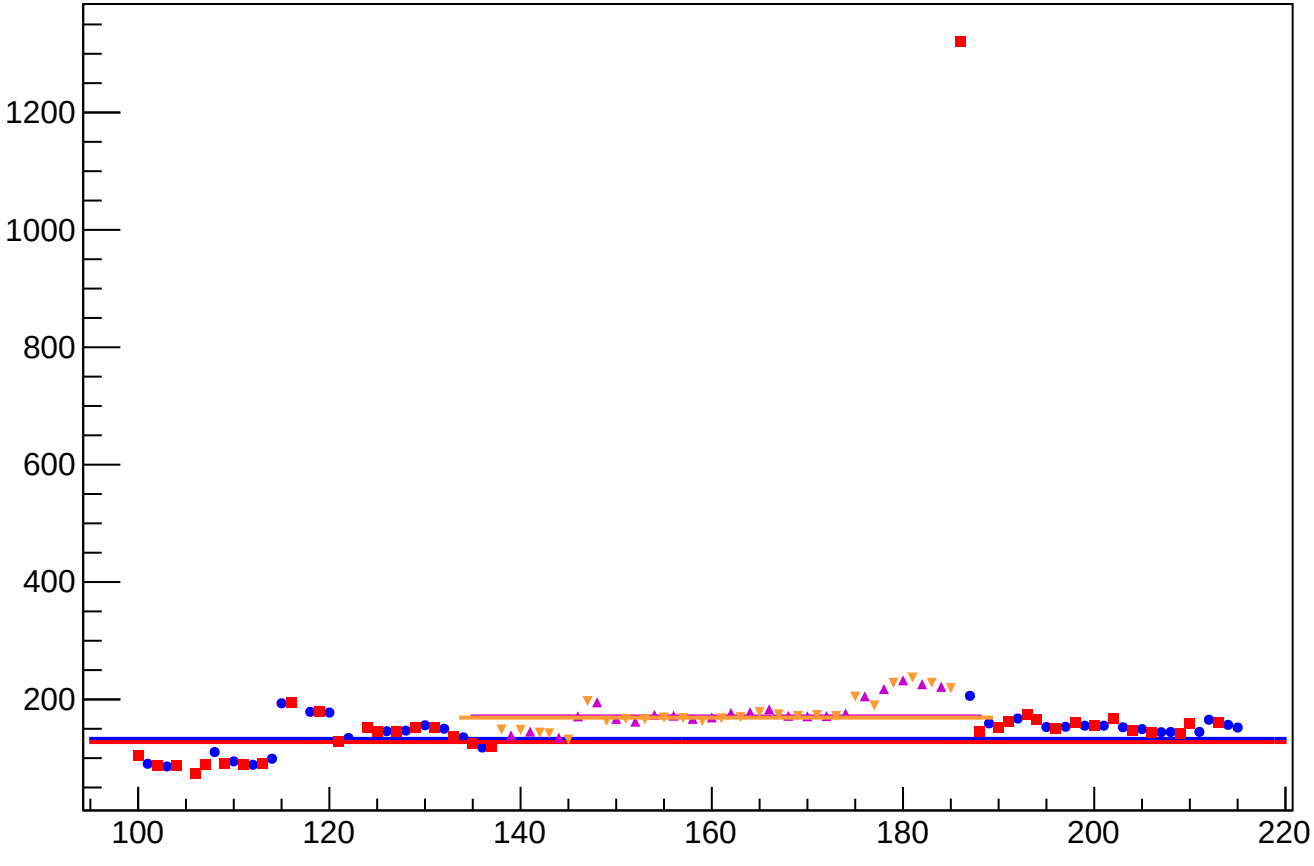
Right: 46.378+/-21.776 χ^2/NDF: 50.3/64

In: 99.924+/-24.605 χ^2/NDF:56.7/53

Out: 97.272+/-24.020 χ^2/NDF:63.6/58

All: 98.566+/-17.188 χ^2/NDF: 120.3/112

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 132.820+/-0.022 χ^2/NDF: 1806397.2/30

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 127.401+/-0.022 χ^2/NDF: 2993507.5/33

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

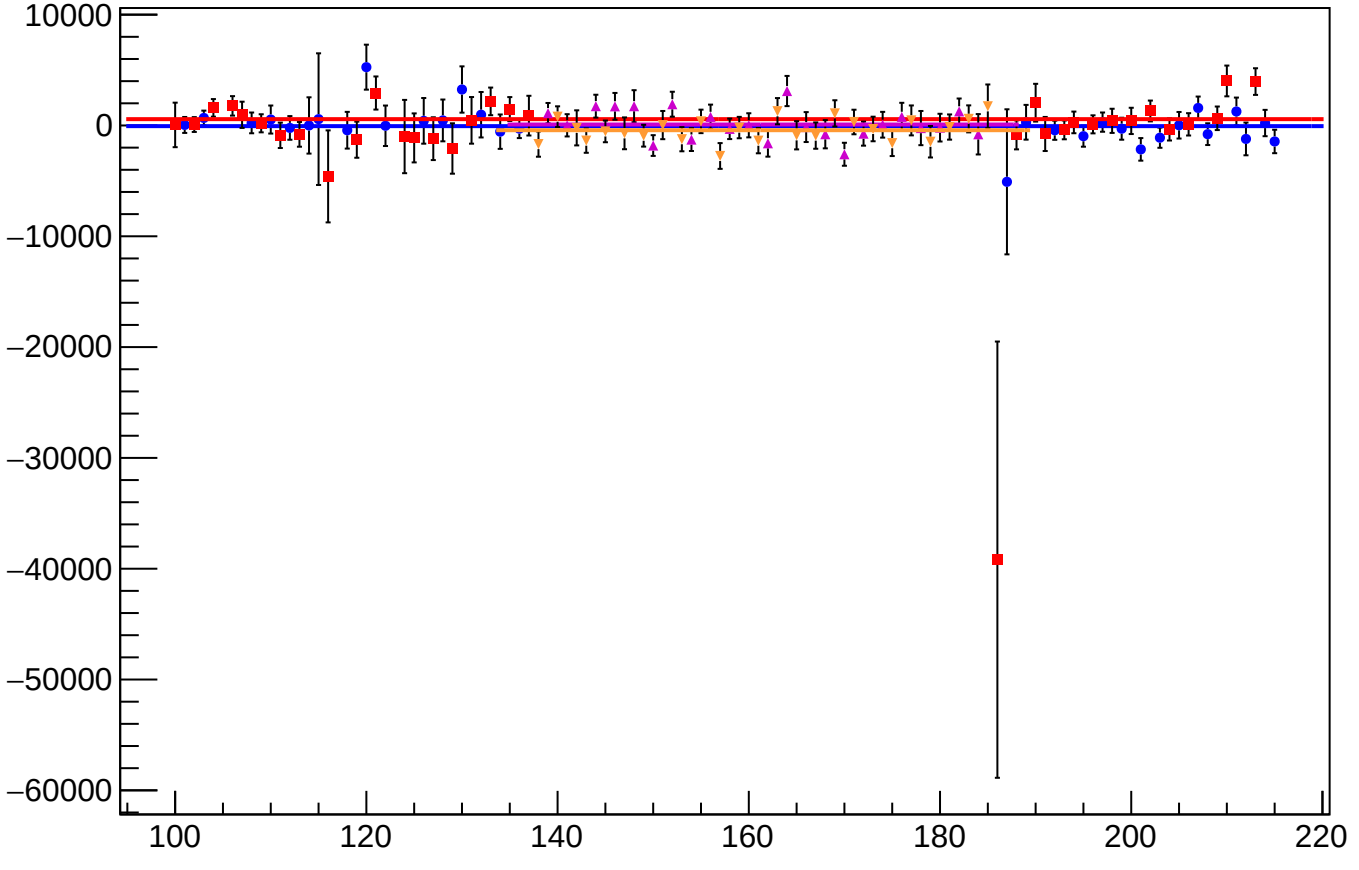
Right: 130.070+/-0.015 χ^2/NDF: 4830868.8/64

In: 147.001+/-0.017 χ^2/NDF:3609779.4/53

Out: 143.316+/-0.017 χ^2/NDF:5184936.2/58

All: 145.114+/-0.012 χ^2/NDF: 8817687.7/112

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -59.961+/-206.318 χ^2/NDF: 25.7/30

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 570.733+/-200.422 χ^2/NDF: 42.6/33

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

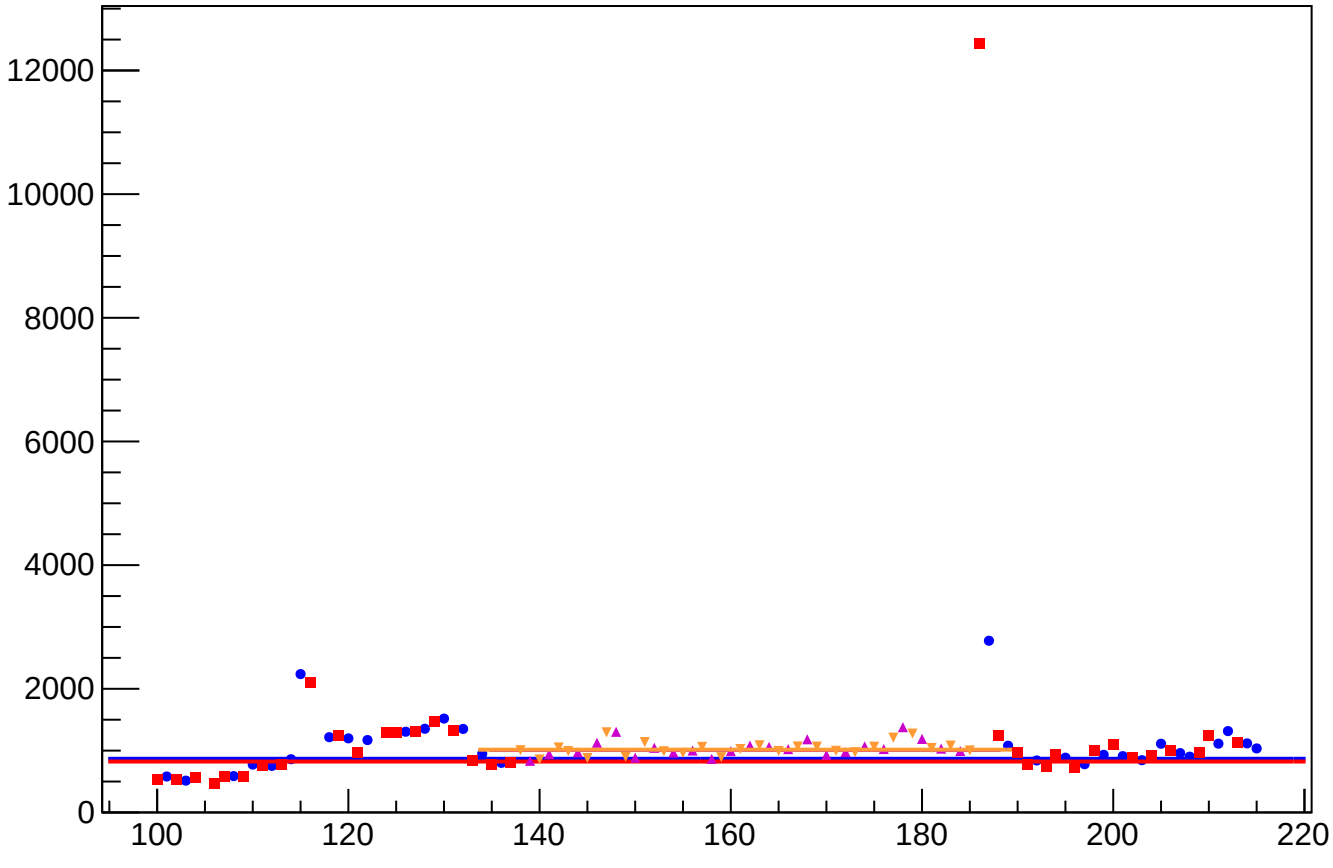
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 264.527+/-143.759 χ^2/NDF: 73.1/64

In: 2.827+/-155.939 χ^2/NDF:58.3/53

Out: 146.024+/-151.821 χ^2/NDF:71.6/58

All: 76.341+/-108.781 χ^2/NDF: 130.3/112



Right In: 867.933+/-0.146 χ^2/NDF: 2689621.3/30

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 823.449+/-0.142 χ^2/NDF: 3687355.6/33

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

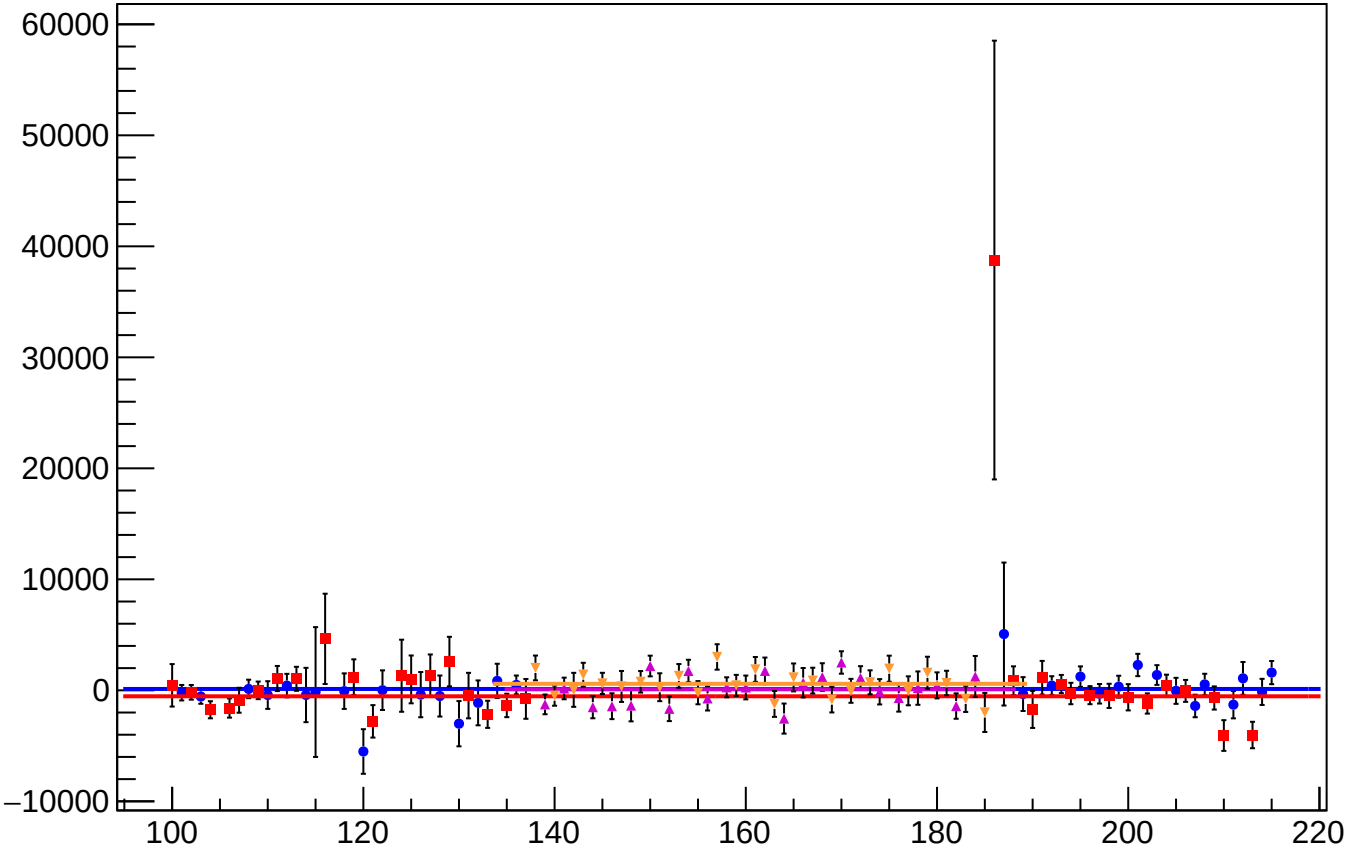
Right: 845.046+/-0.102 χ^2/NDF: 6424811.5/64

In: 928.702+/-0.110 χ^2/NDF:3593104.2/53

Out: 905.104+/-0.107 χ^2/NDF:4864279.8/58

All: 916.588+/-0.077 χ^2/NDF: 8480897.2/112

asym_sam5_mean vs Slug, Sign Corrected



Right In: 123.159+/-201.964 χ^2/NDF: 28.3/30

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -537.361+/-196.694 χ^2/NDF: 46.1/33

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

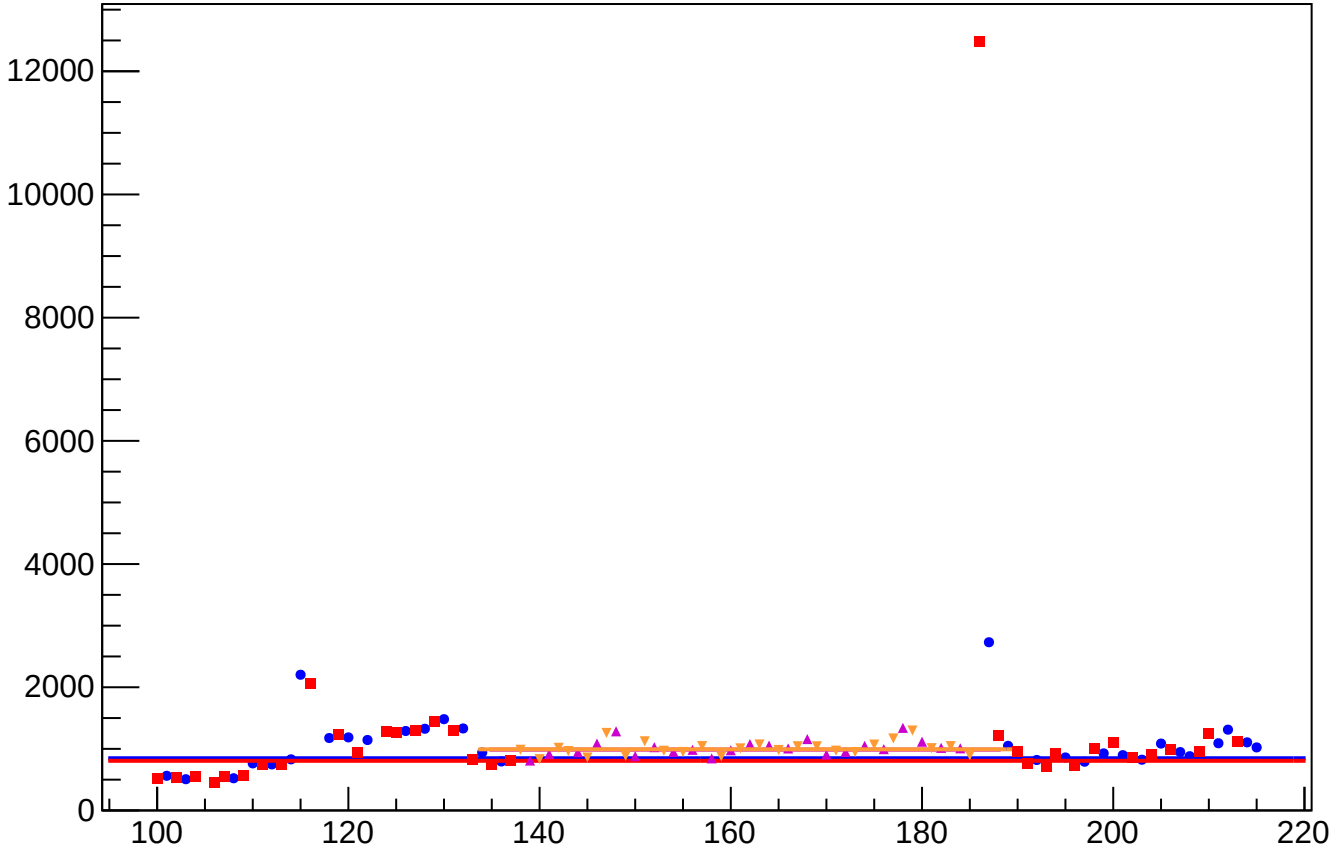
Right: -215.831+/-140.910 χ^2/NDF: 79.8/64

In: 110.088+/-152.618 χ^2/NDF:62.9/53

Out: -56.958+/-148.816 χ^2/NDF:80.8/58

All: 24.459+/-106.548 χ^2/NDF: 144.3/112

asym_sam5_rms vs Slug, Sign Corrected



Right In: 847.389+/-0.143 χ^2/NDF: 2832019.4/30

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 806.025+/-0.139 χ^2/NDF: 3798020.2/33

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

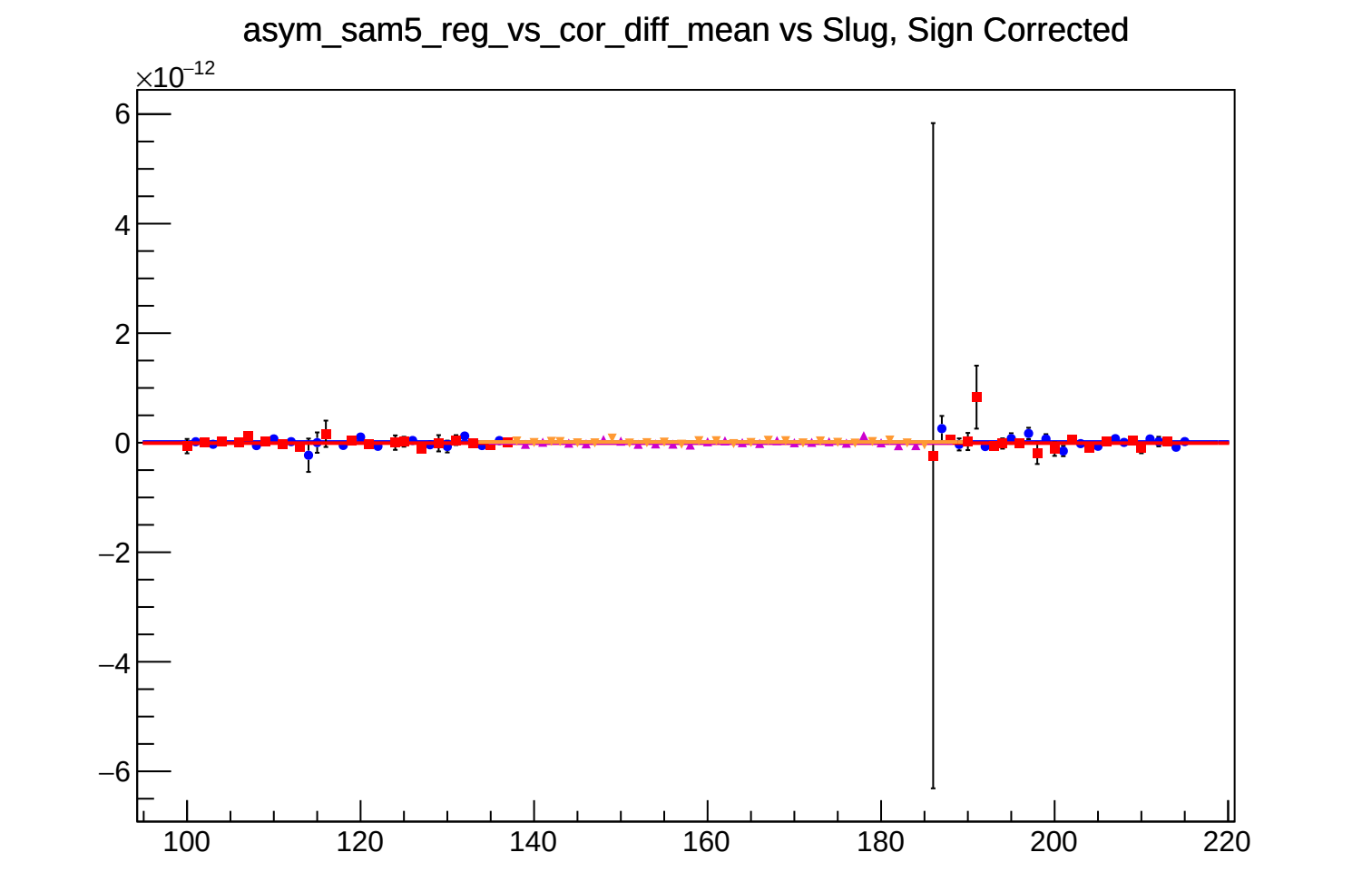
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 826.161+/-0.100 χ^2/NDF: 6673095.9/64

In: 907.614+/-0.108 χ^2/NDF:3734332.0/53

Out: 885.778+/-0.105 χ^2/NDF:4991925.2/58

All: 896.421+/-0.075 χ^2/NDF: 8747244.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/33

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

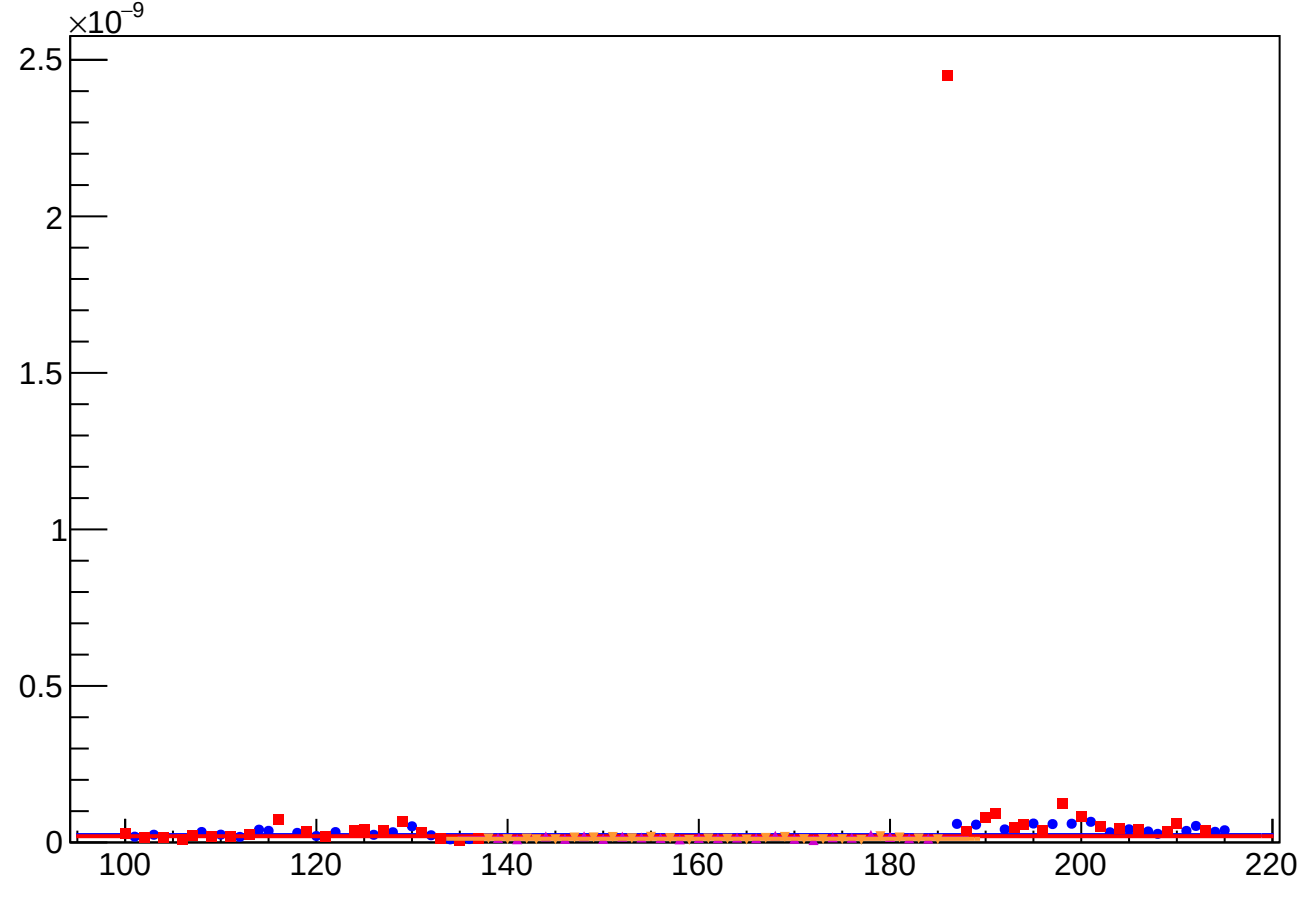
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.2/64

In: 0.000+/-0.000 χ^2/NDF:64.0/53

Out: 0.000+/-0.000 χ^2/NDF:52.7/58

All: 0.000+/-0.000 χ^2/NDF: 118.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 4285456.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6564894.2/33

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

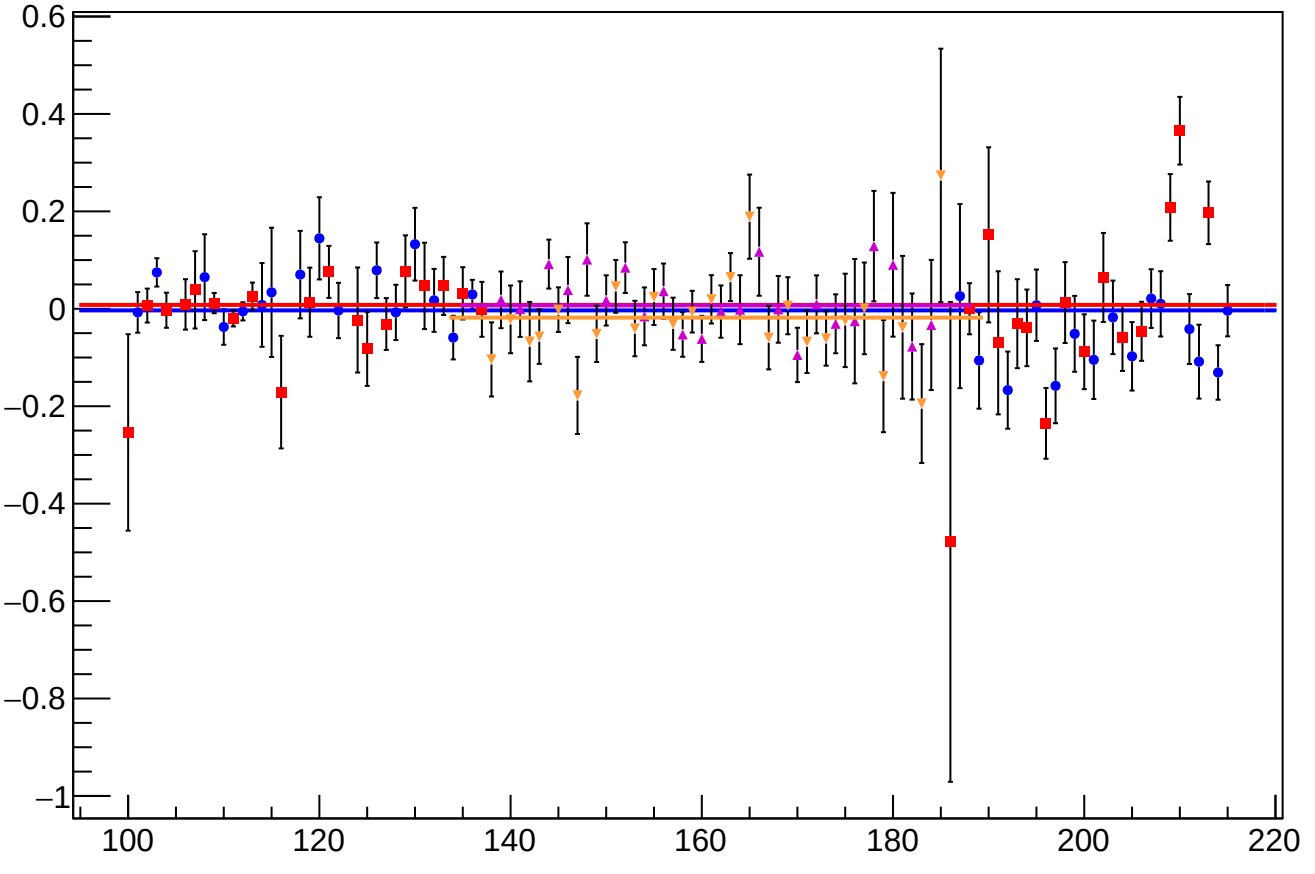
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11023153.4/64

In: 0.000+/-0.000 χ^2/NDF:6988109.2/53

Out: 0.000+/-0.000 χ^2/NDF:8771960.5/58

All: 0.000+/-0.000 χ^2/NDF: 16078494.9/112



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/30

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.008+/-0.008 χ^2/NDF: 73.8/33

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

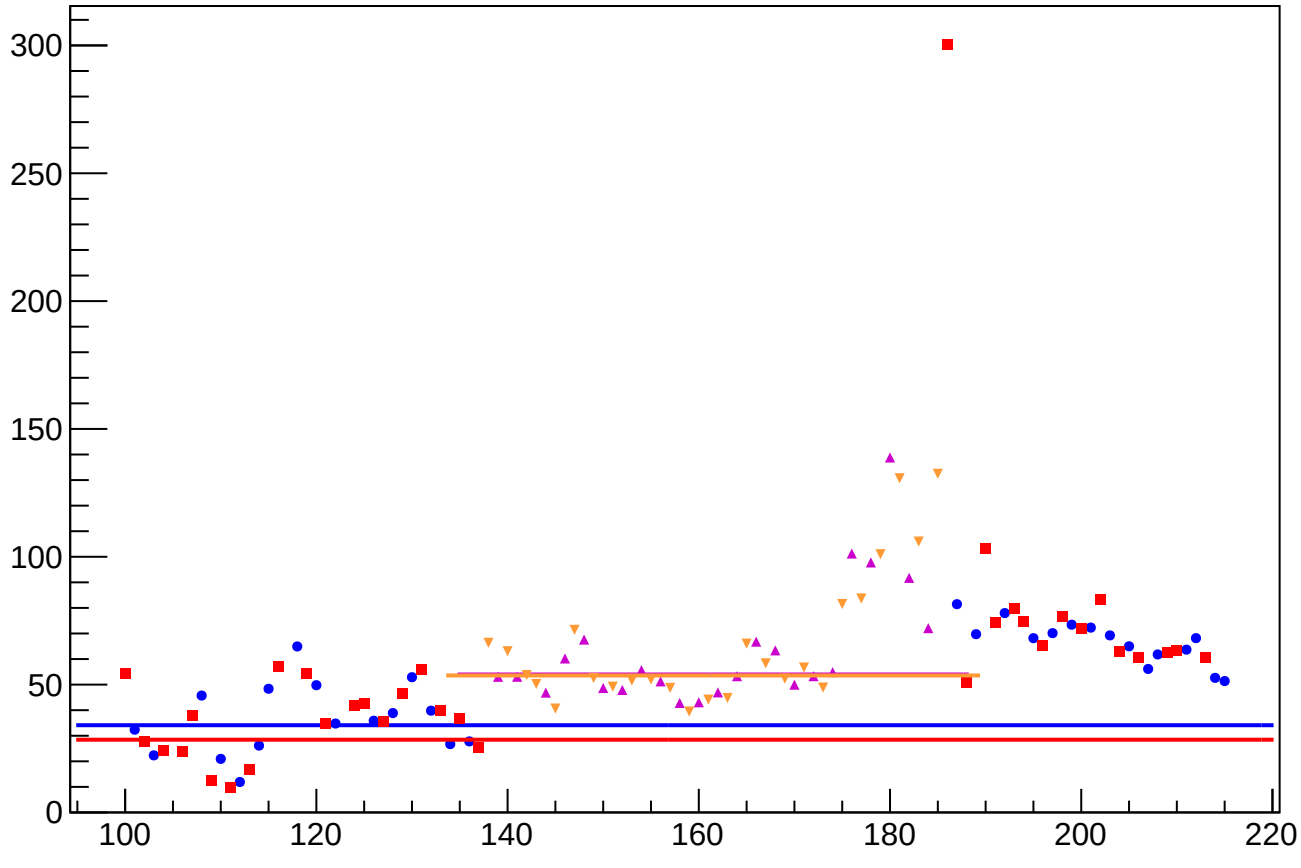
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.003+/-0.006 χ^2/NDF: 116.3/64

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.000+/-0.005 χ^2/NDF: 161.8/112



Right In: 34.122+/-0.007 χ^2/NDF: 9548645.9/30

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 28.453+/-0.006 χ^2/NDF: 13032506.0/33

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

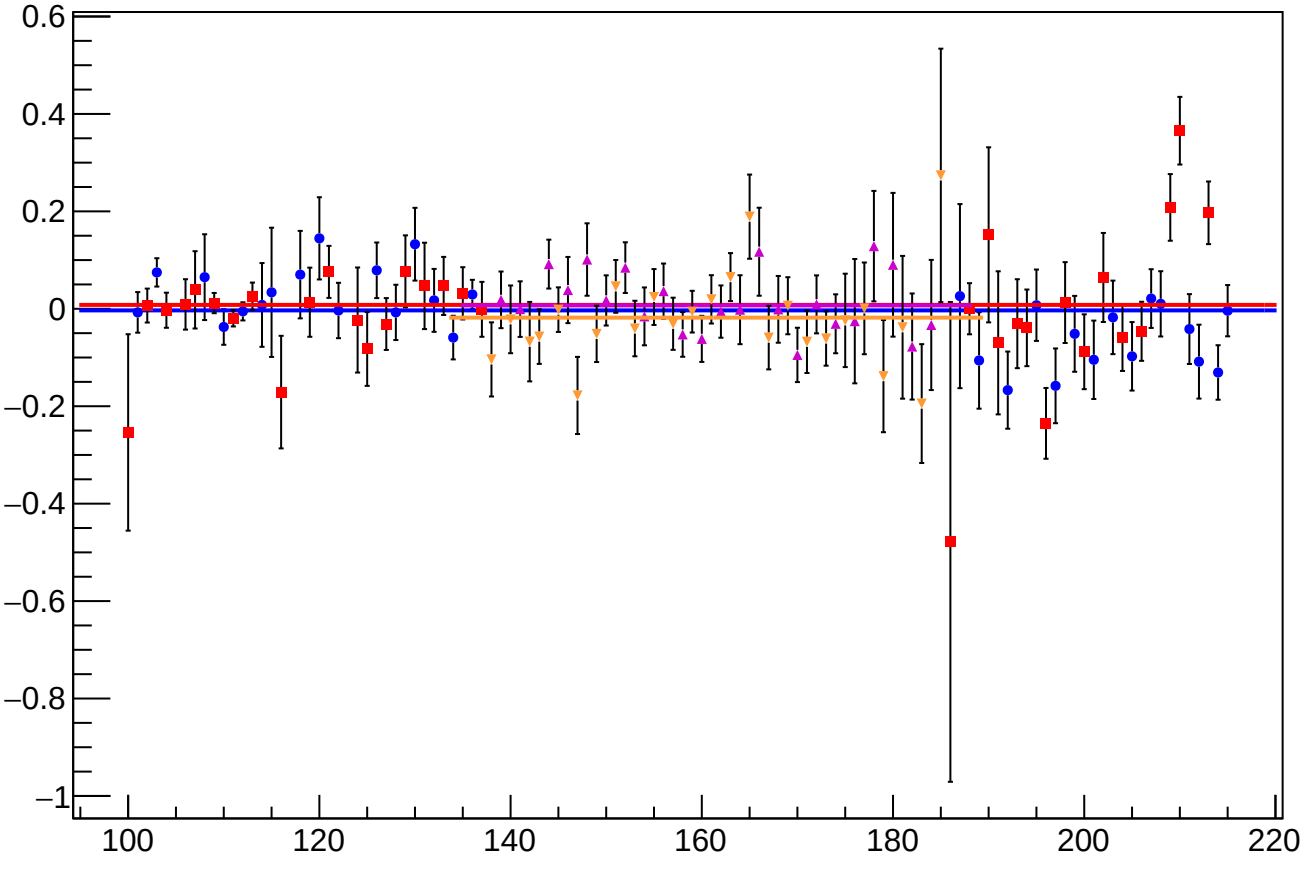
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 31.023+/-0.004 χ^2/NDF: 22996183.4/64

In: 40.614+/-0.005 χ^2/NDF:14630624.0/53

Out: 35.990+/-0.005 χ^2/NDF:21070641.6/58

All: 38.132+/-0.004 χ^2/NDF: 36104348.2/112



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/30

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.008+/-0.008 χ^2/NDF: 73.8/33

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

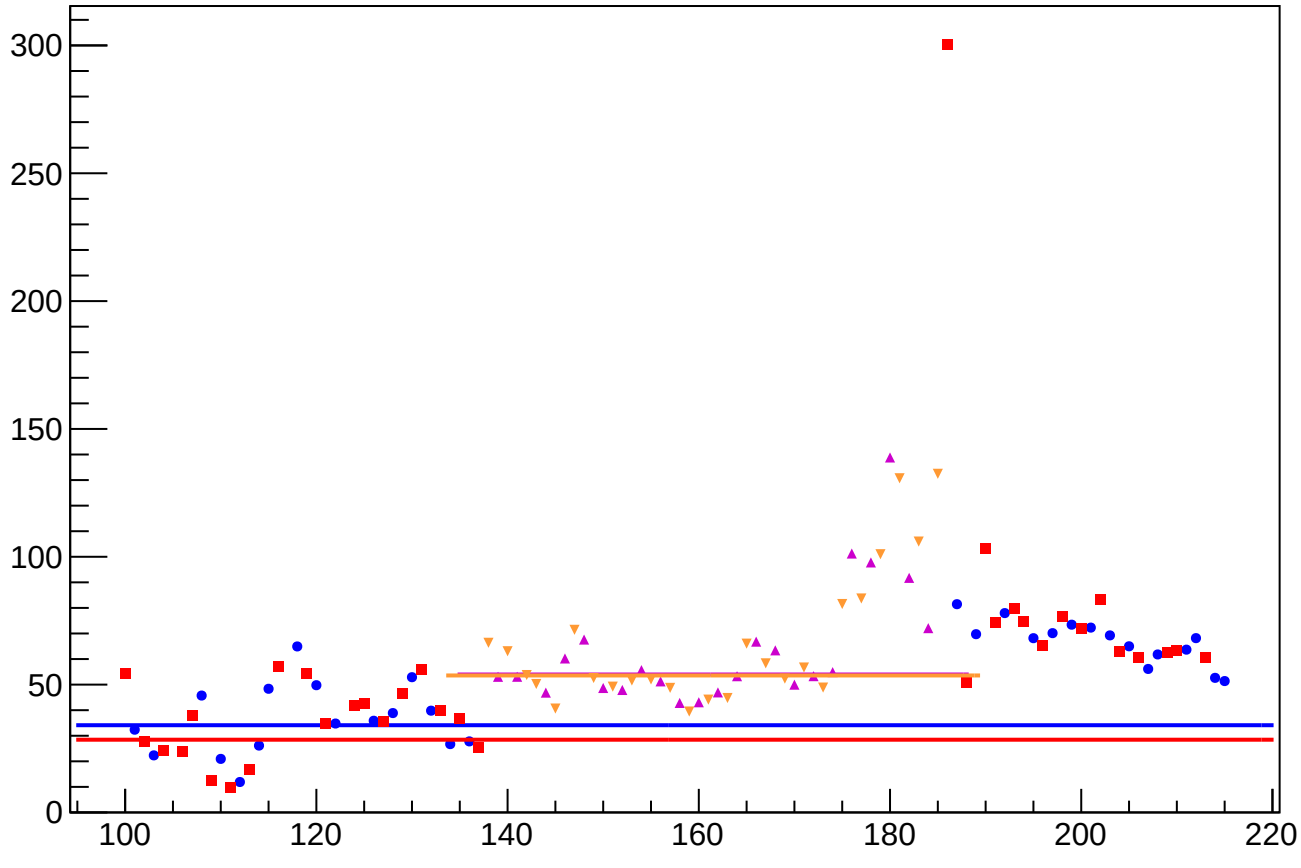
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.003+/-0.006 χ^2/NDF: 116.3/64

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.000+/-0.005 χ^2/NDF: 161.8/112



Right In: 34.122+/-0.007 χ^2/NDF: 9548645.9/30

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 28.453+/-0.006 χ^2/NDF: 13032506.0/33

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

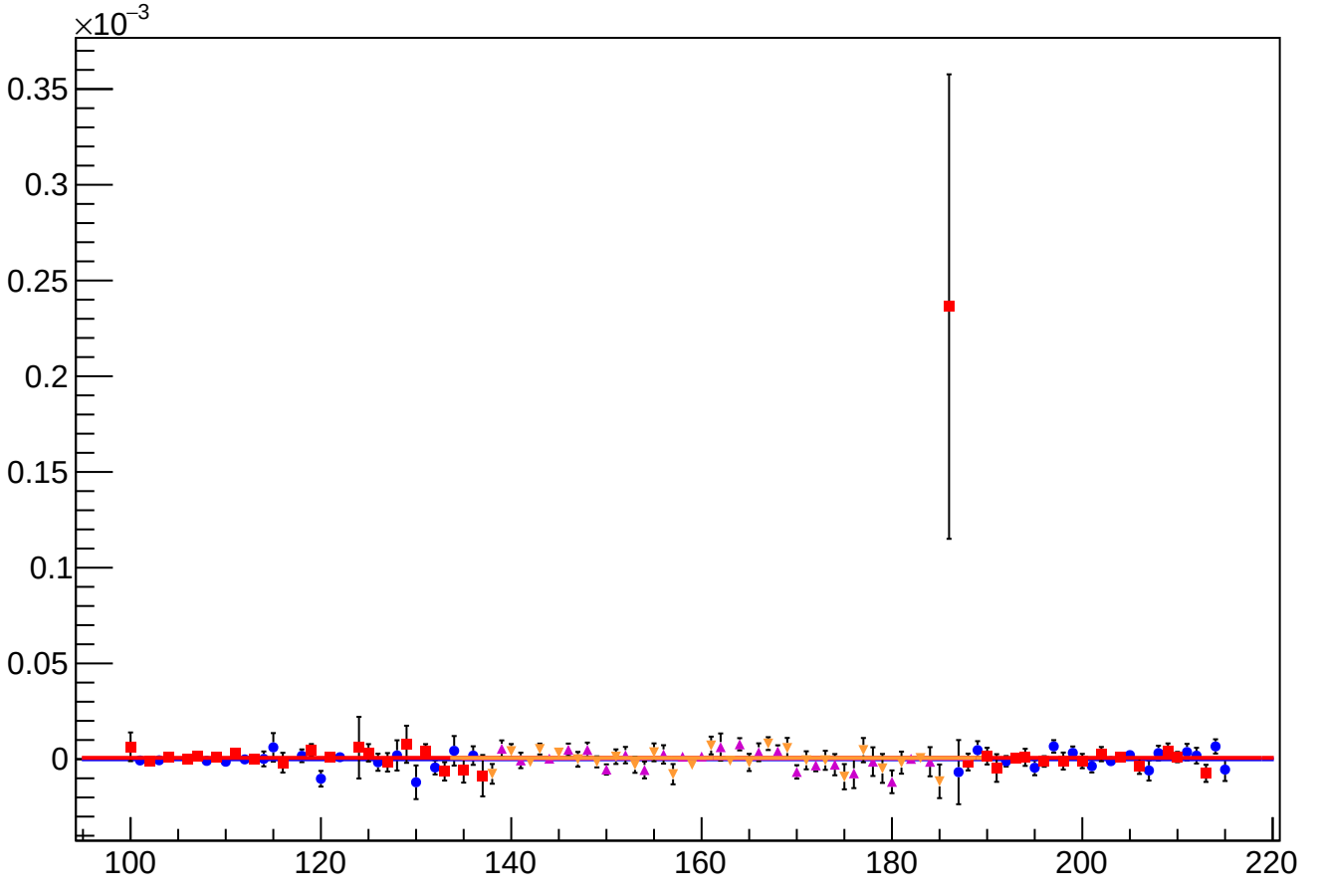
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 31.023+/-0.004 χ^2/NDF: 22996183.4/64

In: 40.614+/-0.005 χ^2/NDF:14630624.0/53

Out: 35.990+/-0.005 χ^2/NDF:21070641.6/58

All: 38.132+/-0.004 χ^2/NDF: 36104348.2/112



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/33

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

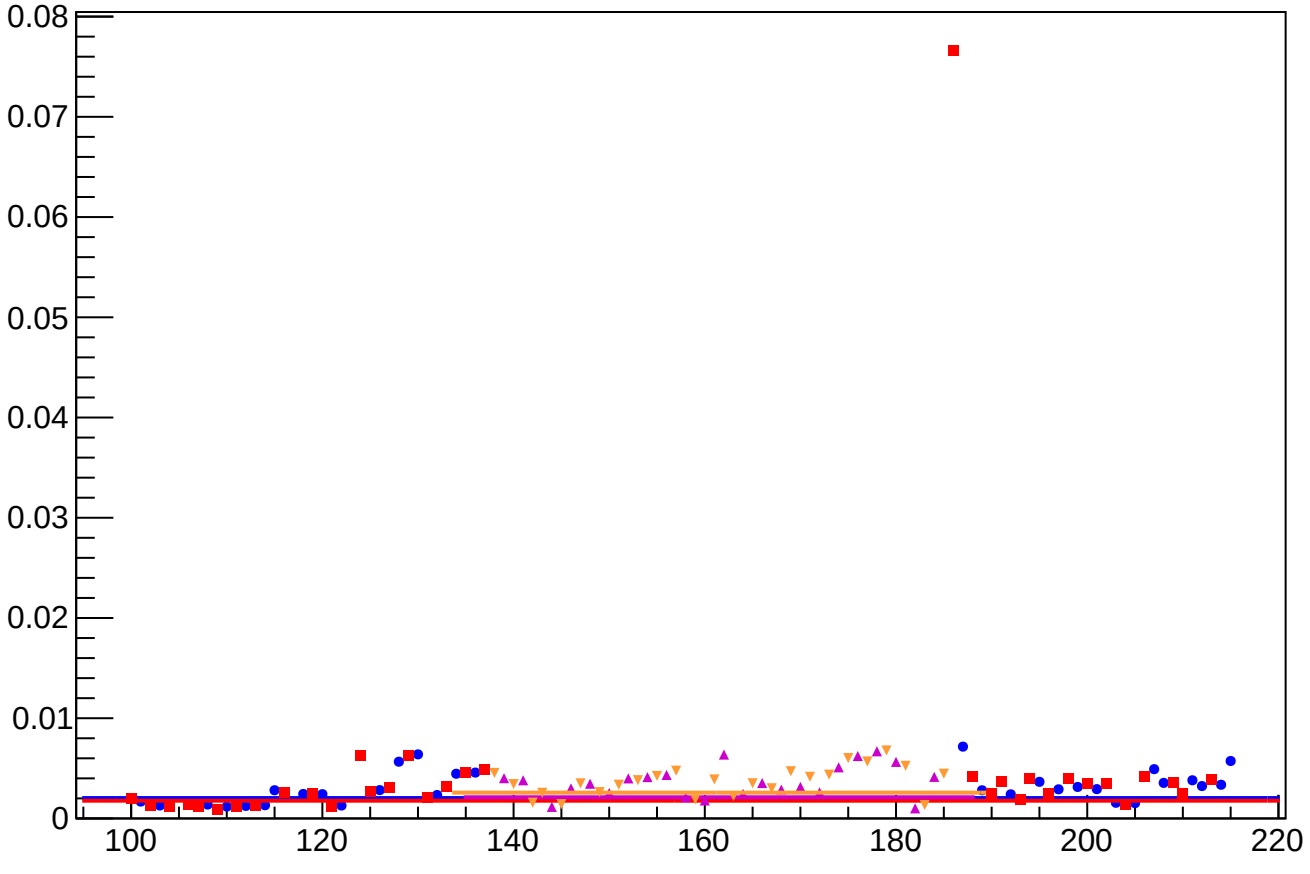
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.8/64

In: 0.000+/-0.000 χ^2/NDF:61.0/53

Out: 0.000+/-0.000 χ^2/NDF:53.8/58

All: 0.000+/-0.000 χ^2/NDF: 115.7/112



Right In: 0.002+/-0.000 χ^2/NDF: 7373217.4/30

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9025204.4/33

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

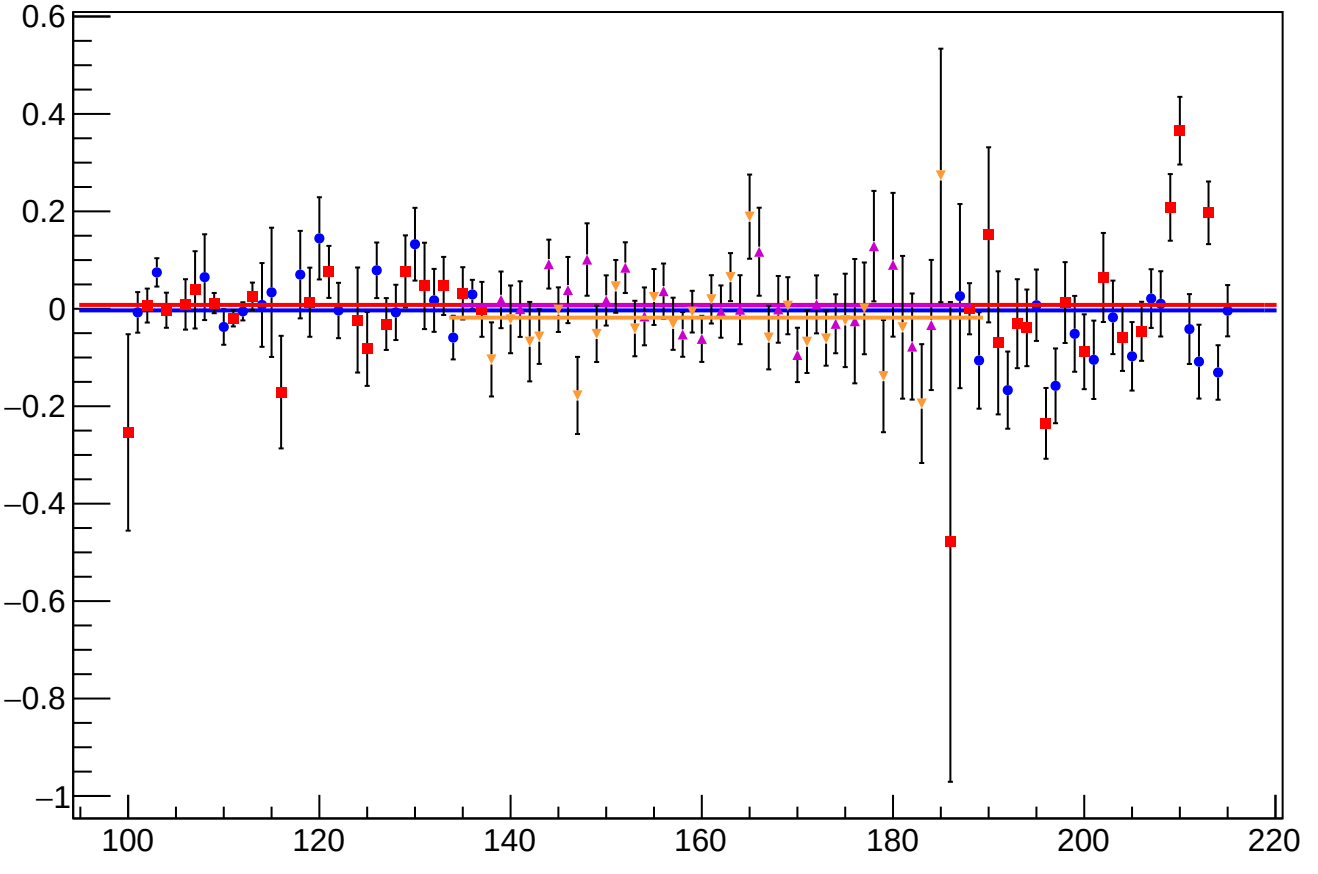
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 16658815.1/64

In: 0.002+/-0.000 χ^2/NDF:16880572.2/53

Out: 0.002+/-0.000 χ^2/NDF:18064185.4/58

All: 0.002+/-0.000 χ^2/NDF: 34947422.7/112



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/30

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.008+/-0.008 χ^2/NDF: 73.8/33

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

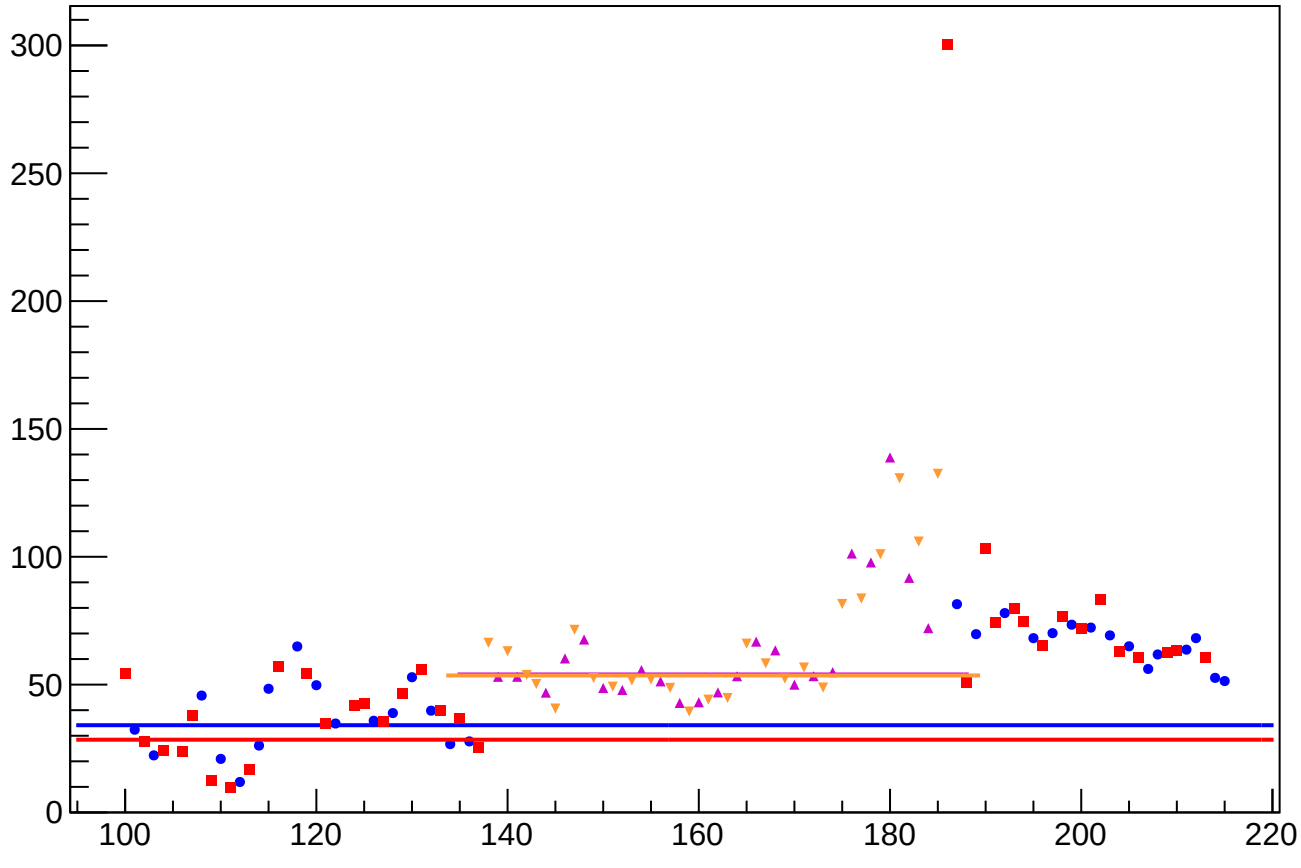
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.003+/-0.006 χ^2/NDF: 116.3/64

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.000+/-0.005 χ^2/NDF: 161.8/112



Right In: 34.122+/-0.007 χ^2/NDF: 9548798.9/30

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 28.453+/-0.006 χ^2/NDF: 13032711.6/33

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

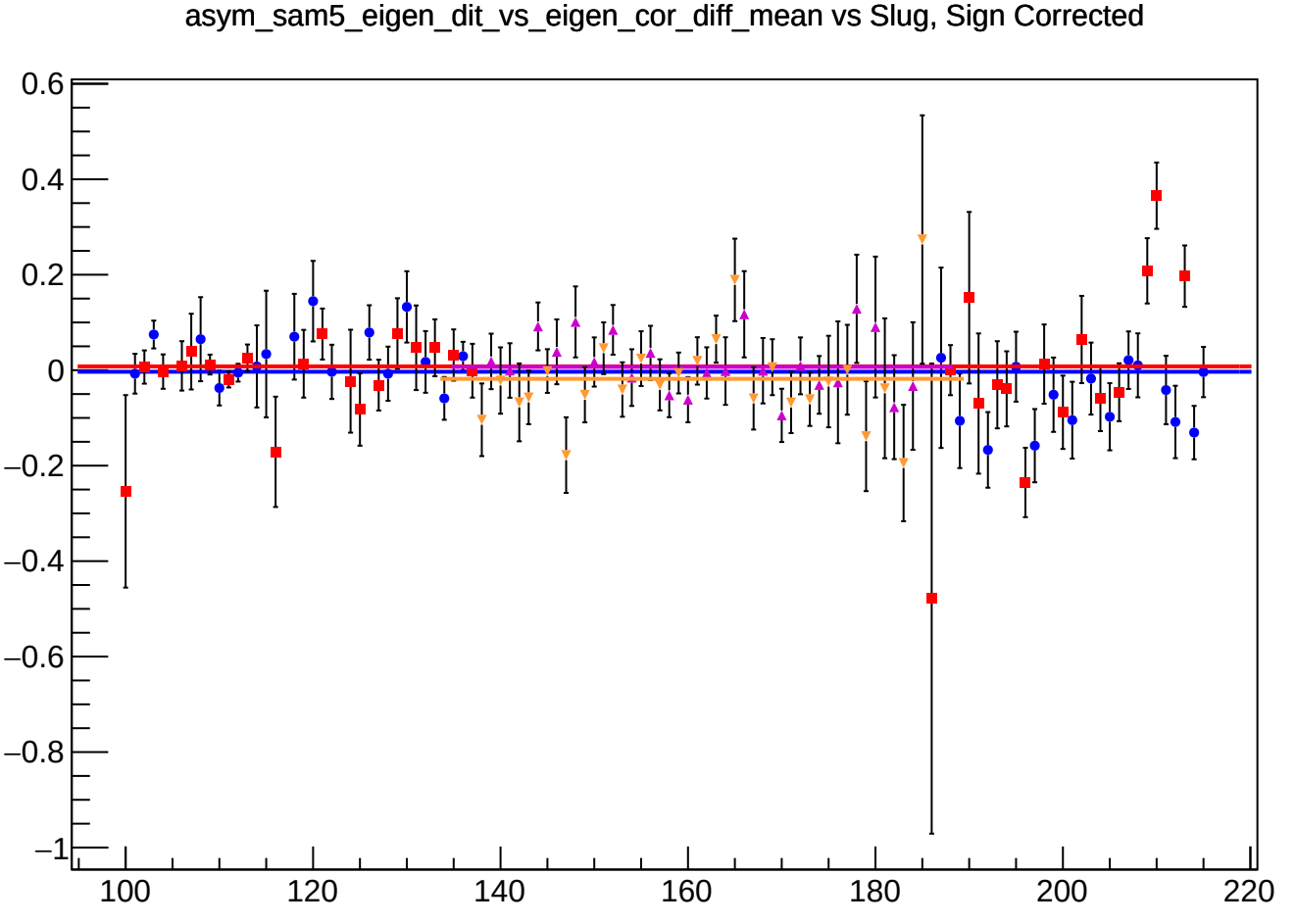
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 31.022+/-0.004 χ^2/NDF: 22996562.4/64

In: 40.614+/-0.005 χ^2/NDF:14631135.0/53

Out: 35.989+/-0.005 χ^2/NDF:21071346.3/58

All: 38.131+/-0.004 χ^2/NDF: 36105593.4/112



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/30

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.008+/-0.008 χ^2/NDF: 73.8/33

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

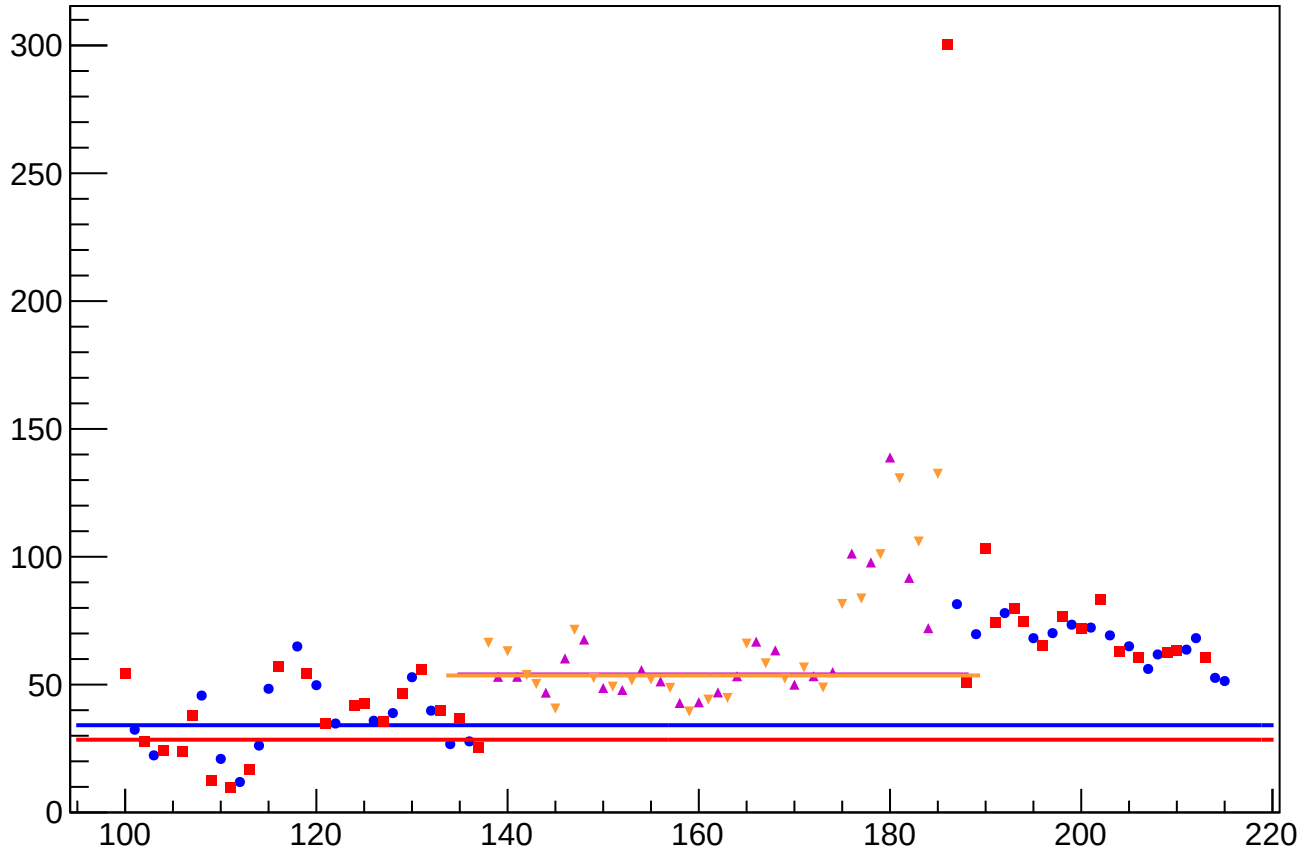
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.003+/-0.006 χ^2/NDF: 116.3/64

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.000+/-0.007 χ^2/NDF:101.1/58

All: 0.000+/-0.005 χ^2/NDF: 161.8/112



Right In: 34.122+/-0.007 χ^2/NDF: 9548798.9/30

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 28.453+/-0.006 χ^2/NDF: 13032711.6/33

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

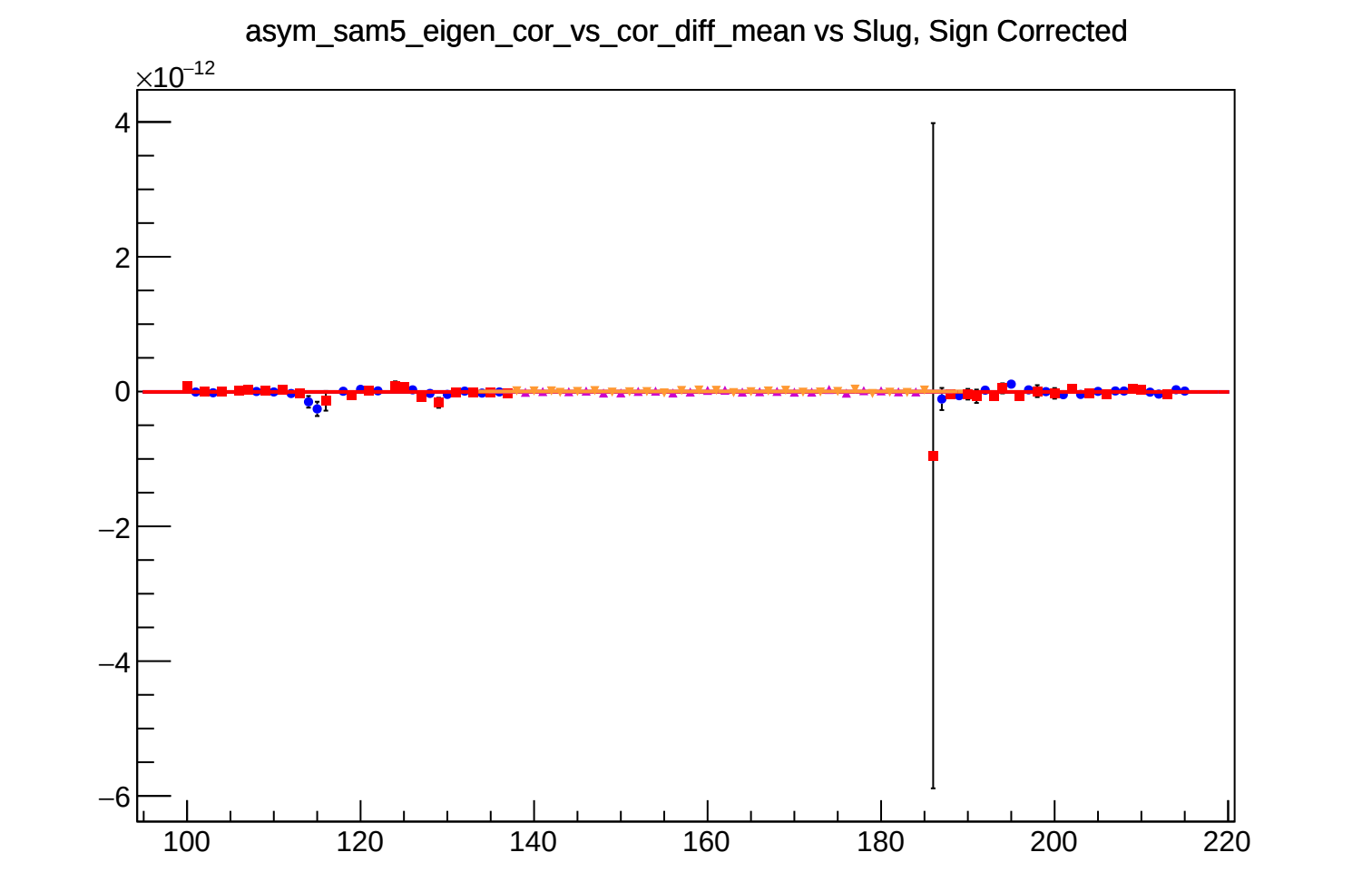
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 31.022+/-0.004 χ^2/NDF: 22996562.4/64

In: 40.614+/-0.005 χ^2/NDF:14631135.0/53

Out: 35.989+/-0.005 χ^2/NDF:21071346.3/58

All: 38.131+/-0.004 χ^2/NDF: 36105593.4/112



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

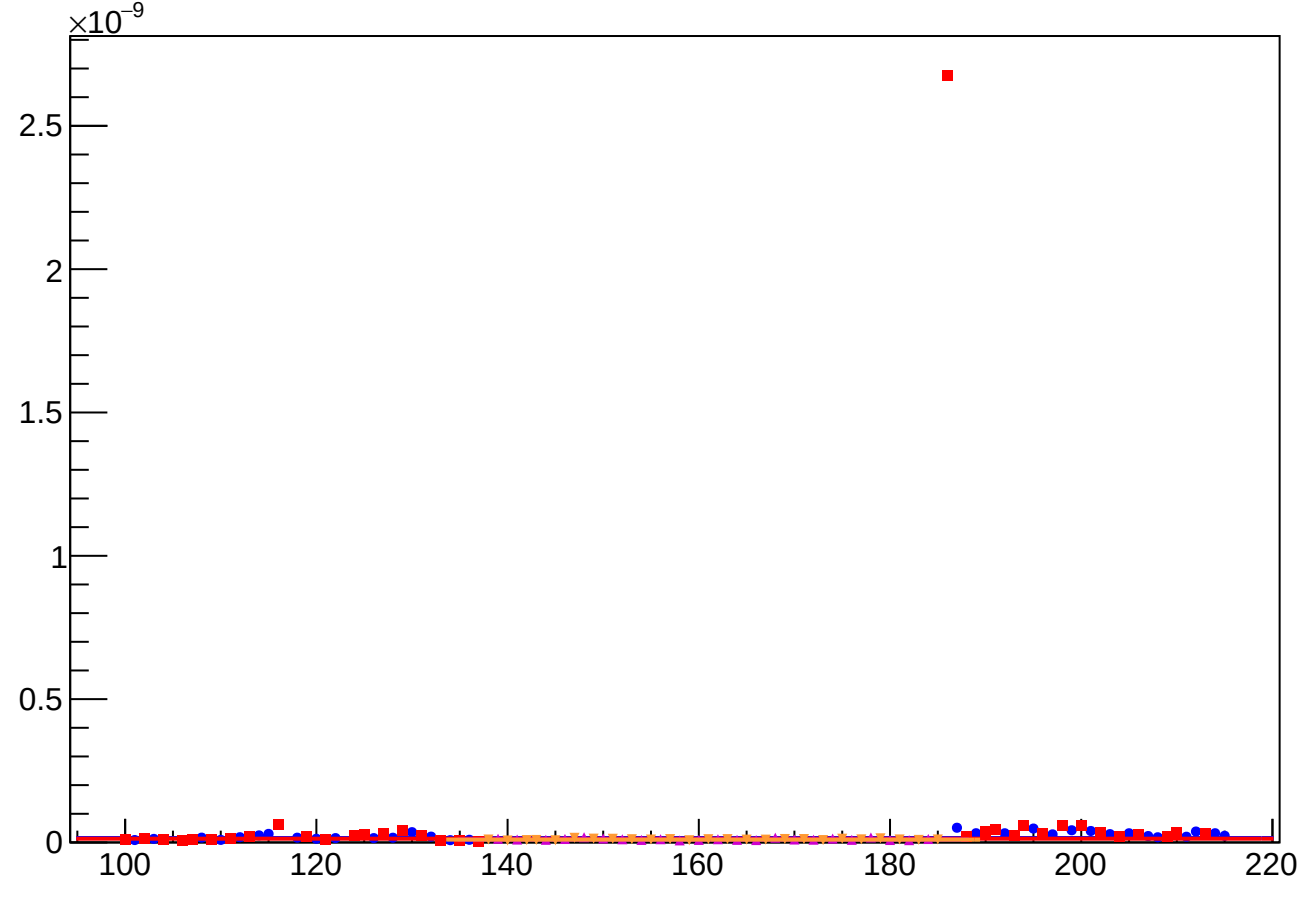
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 64.0/64

In: -0.000+/-0.000 χ^2/NDF:42.8/53

Out: -0.000+/-0.000 χ^2/NDF:69.2/58

All: -0.000+/-0.000 χ^2/NDF: 112.1/112



Right In: 0.000+/-0.000 χ^2/NDF: 6008854.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8952518.0/33

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

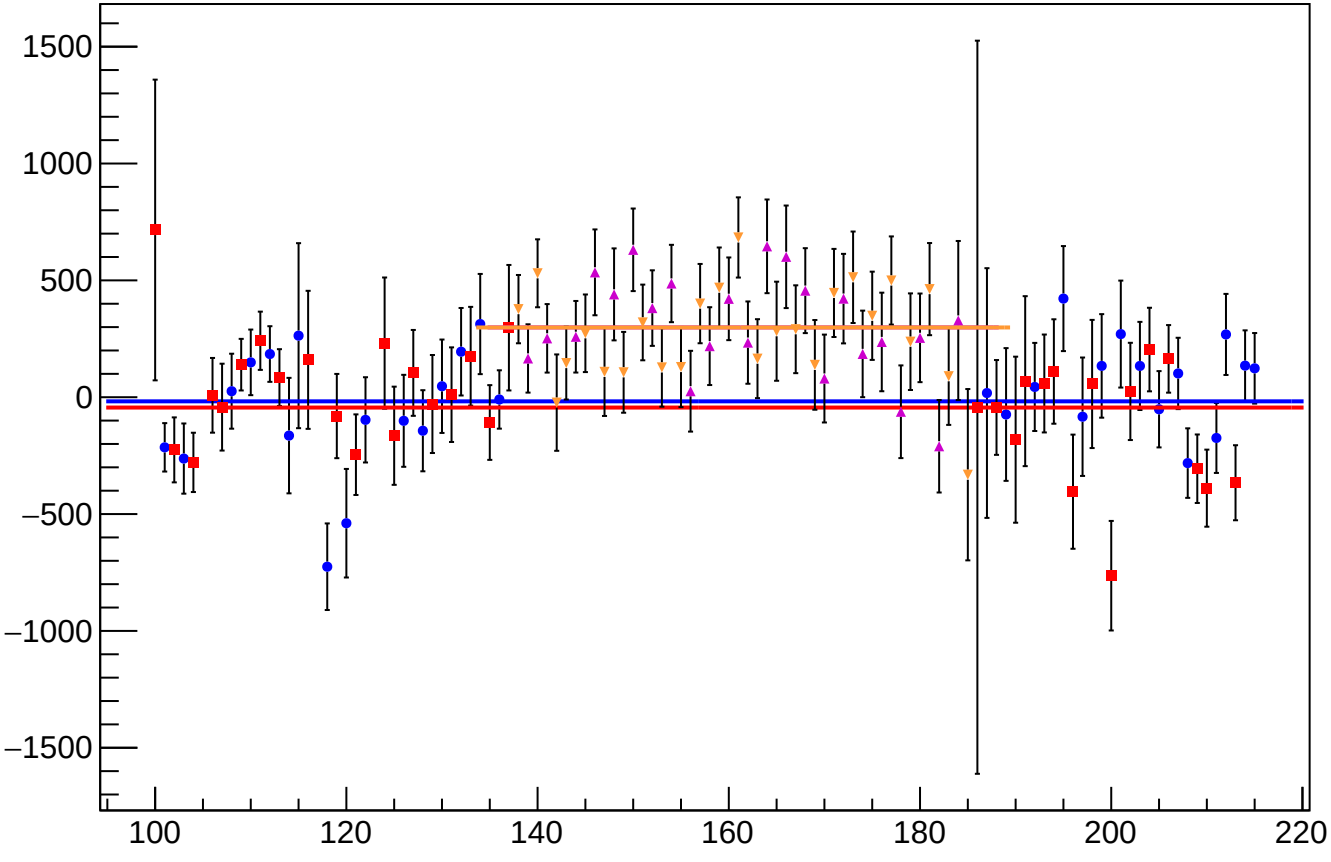
Right: 0.000+/-0.000 χ^2/NDF: 15181114.0/64

In: 0.000+/-0.000 χ^2/NDF:8910068.9/53

Out: 0.000+/-0.000 χ^2/NDF:10861961.4/58

All: 0.000+/-0.000 χ^2/NDF: 19888369.2/112

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -17.609+/-31.084 χ^2/NDF: 52.1/30

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -44.222+/-31.348 χ^2/NDF: 50.9/33

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

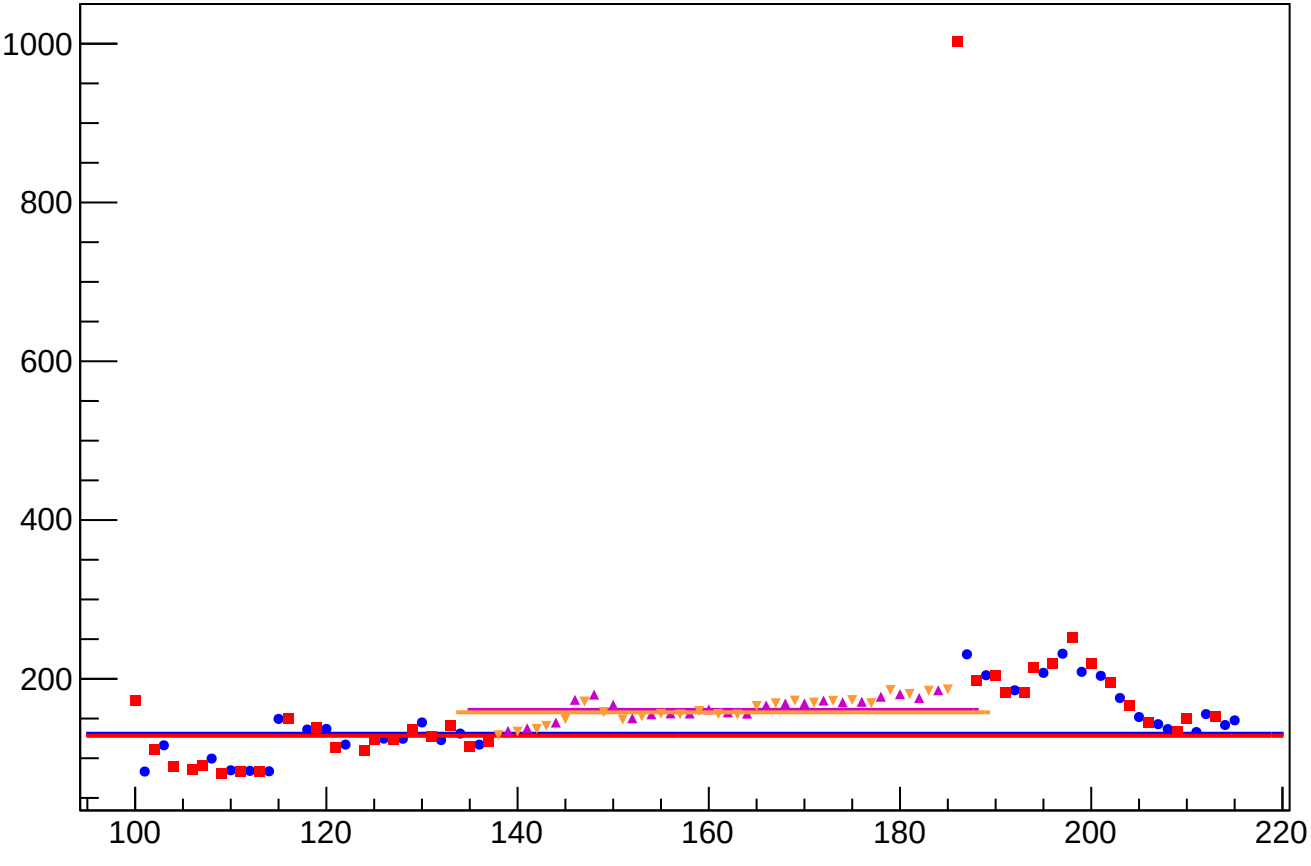
Right: -30.803+/-22.073 χ^2/NDF: 103.4/64

In: 110.282+/-23.990 χ^2/NDF:123.4/53

Out: 103.350+/-23.656 χ^2/NDF:128.4/58

All: 106.768+/-16.844 χ^2/NDF: 251.8/112

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 130.855+/-0.022 χ^2/NDF: 2788793.7/30

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.277+/-0.022 χ^2/NDF: 4246561.4/33

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

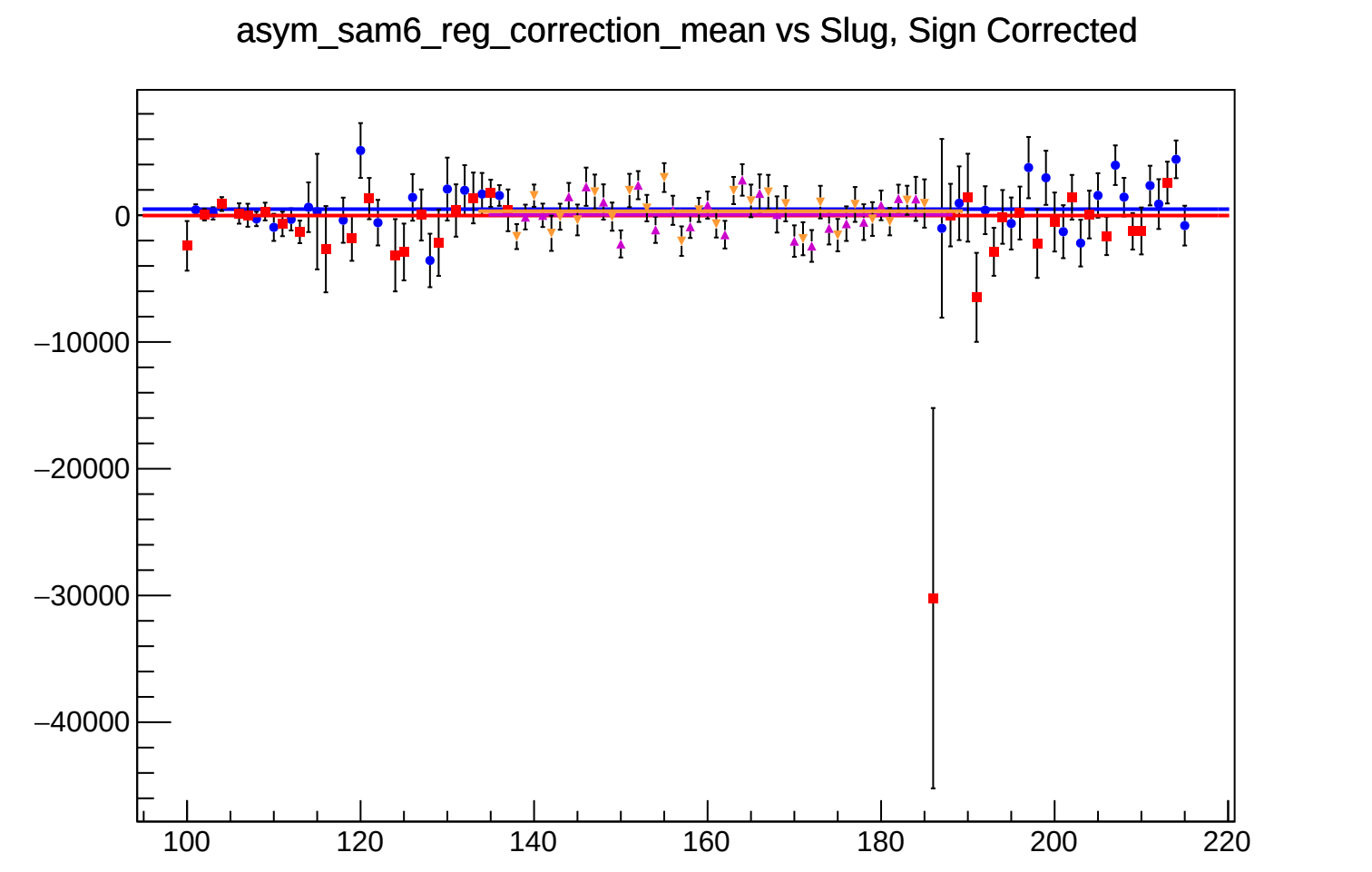
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.577+/-0.016 χ^2/NDF: 7042175.8/64

In: 142.993+/-0.017 χ^2/NDF:3811376.6/53

Out: 141.004+/-0.017 χ^2/NDF:5389424.4/58

All: 141.985+/-0.012 χ^2/NDF: 9207772.8/112



Right In: 480.740+/-208.257 χ^2/NDF: 38.5/30

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -23.780+/-212.612 χ^2/NDF: 32.3/33

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

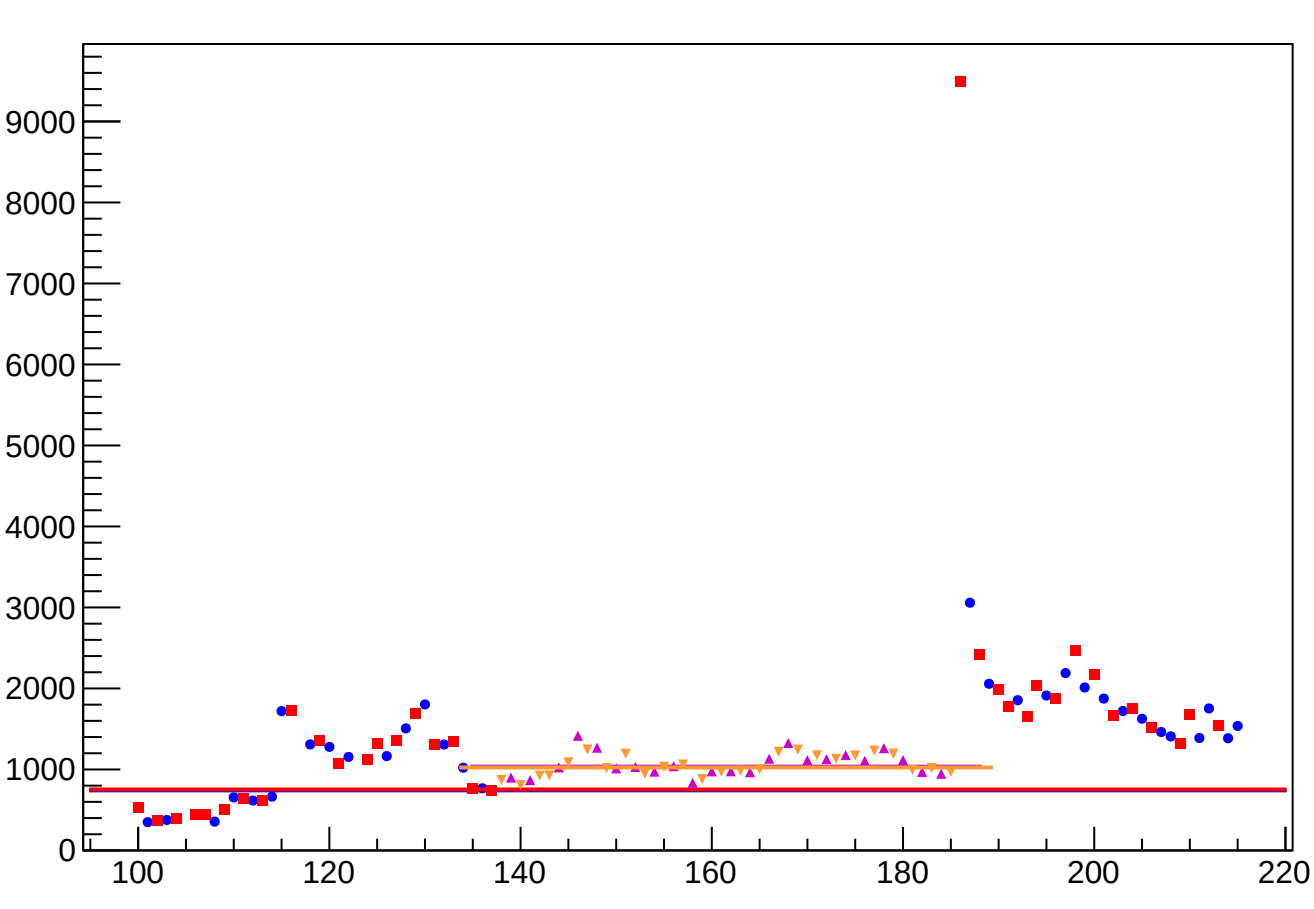
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 233.700+/-148.776 χ^2/NDF: 73.7/64

In: 294.786+/-158.447 χ^2/NDF:75.2/53

Out: 130.874+/-157.687 χ^2/NDF:66.0/58

All: 212.436+/-111.769 χ^2/NDF: 141.7/112



Right In: 741.918+/-0.147 χ^2/NDF: 12855952.6/30

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 752.818+/-0.150 χ^2/NDF: 12629165.4/33

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

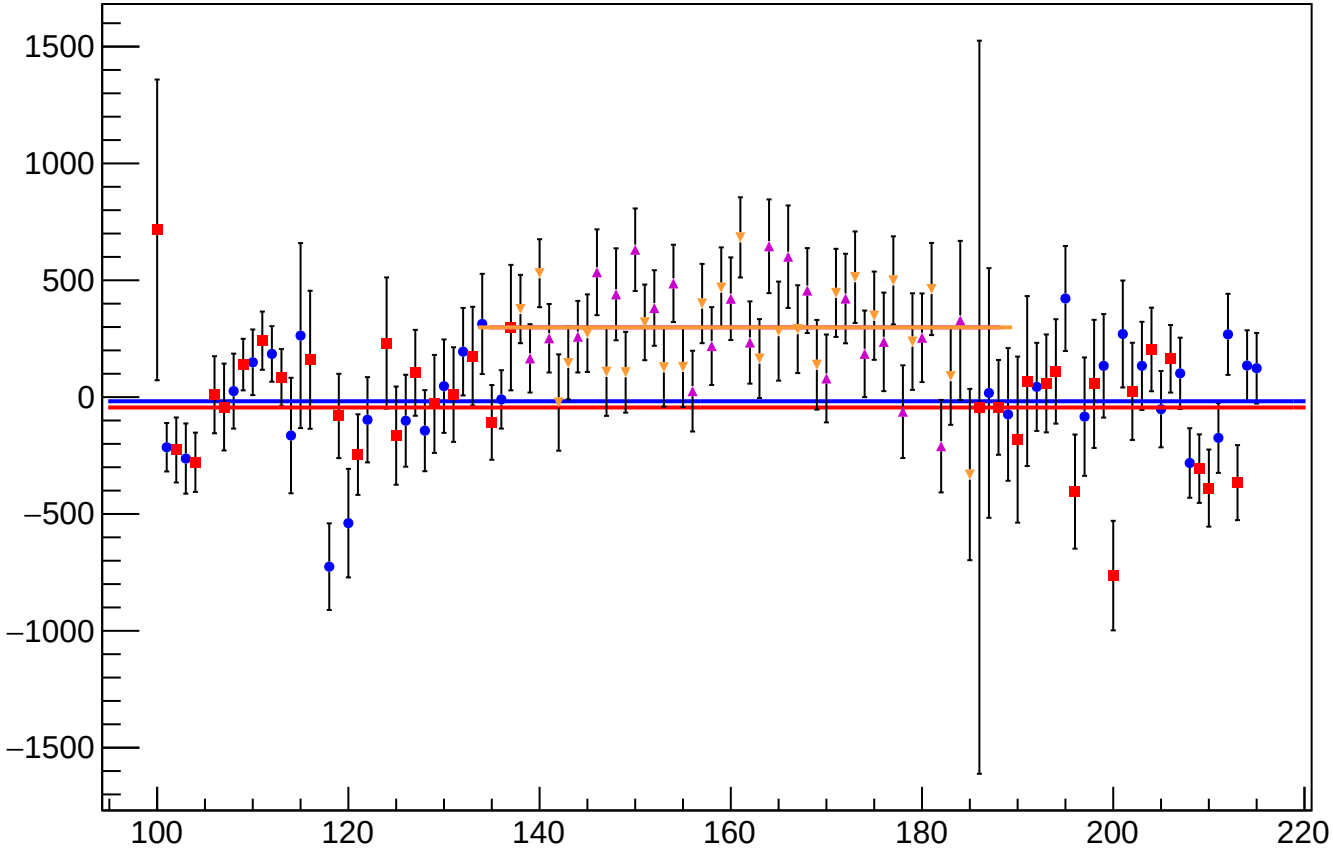
Right: 747.255+/-0.105 χ^2/NDF: 25487800.5/64

In: 865.107+/-0.112 χ^2/NDF:15146093.9/53

Out: 875.053+/-0.112 χ^2/NDF:14696059.6/58

All: 870.104+/-0.079 χ^2/NDF: 29846112.6/1

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -17.623+/-31.084 χ^2/NDF: 52.1/30

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -44.296+/-31.385 χ^2/NDF: 50.9/33

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

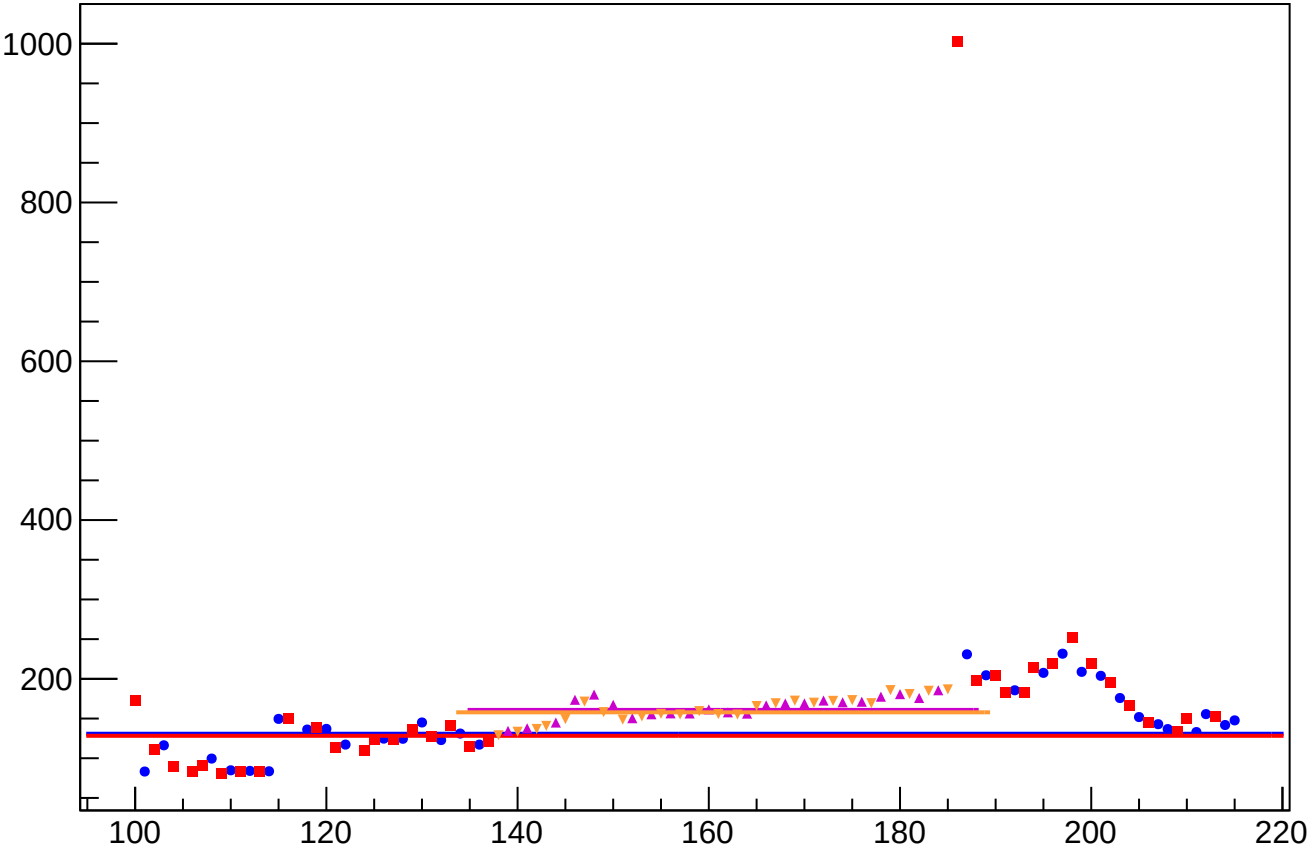
Right: -30.831+/-22.085 χ^2/NDF: 103.4/64

In: 110.277+/-23.990 χ^2/NDF:123.4/53

Out: 103.506+/-23.671 χ^2/NDF:128.3/58

All: 106.846+/-16.850 χ^2/NDF: 251.8/112

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 130.855+/-0.022 χ^2/NDF: 2788791.5/30

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.262+/-0.022 χ^2/NDF: 4258379.0/33

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

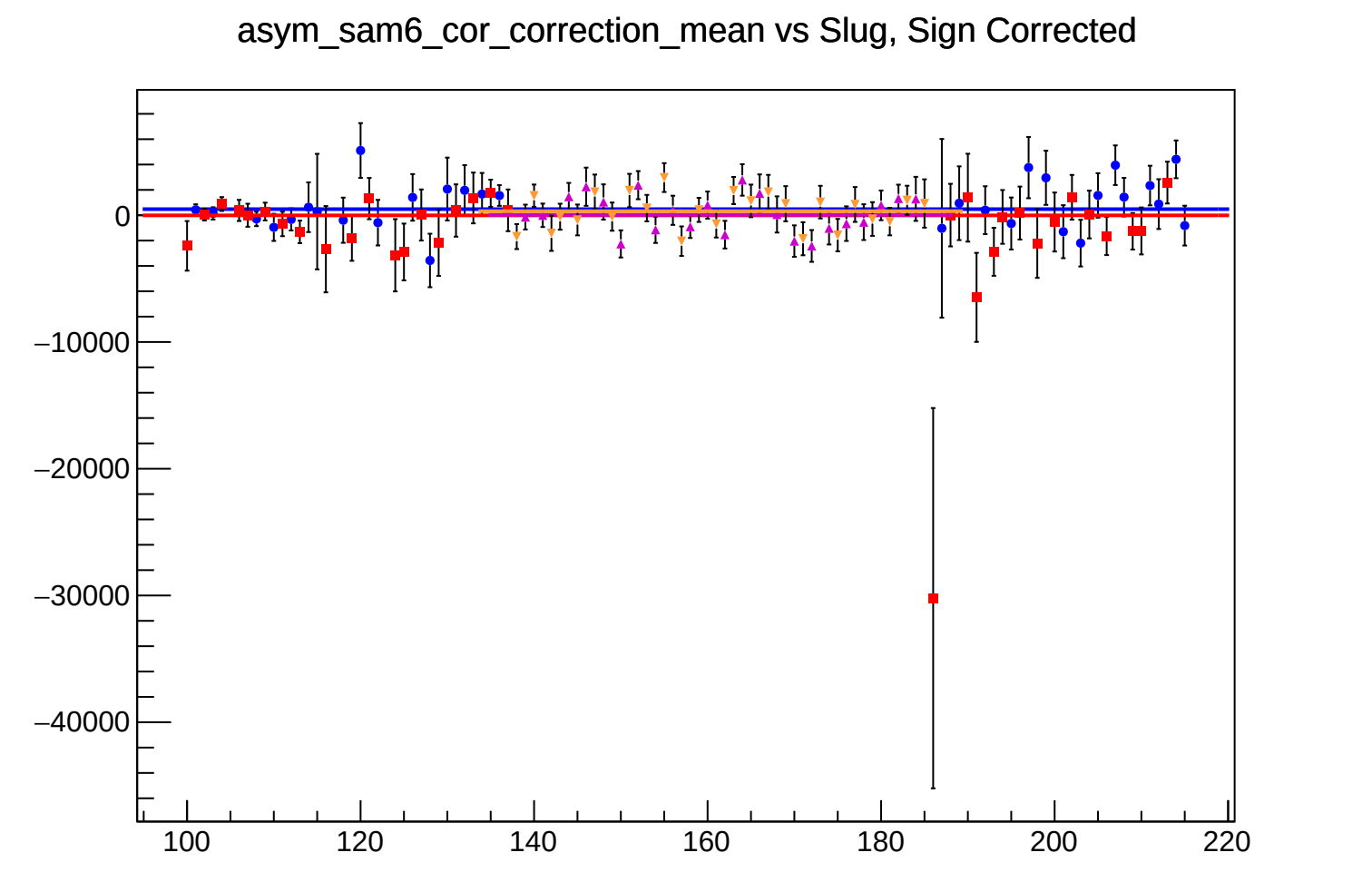
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.571+/-0.016 χ^2/NDF: 7054061.6/64

In: 142.993+/-0.017 χ^2/NDF:3811372.3/53

Out: 141.013+/-0.017 χ^2/NDF:5401233.4/58

All: 141.990+/-0.012 χ^2/NDF: 9219512.9/112



Right In: 480.845+/-208.252 χ^2/NDF: 38.5/30

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -9.374+/-213.094 χ^2/NDF: 32.5/33

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

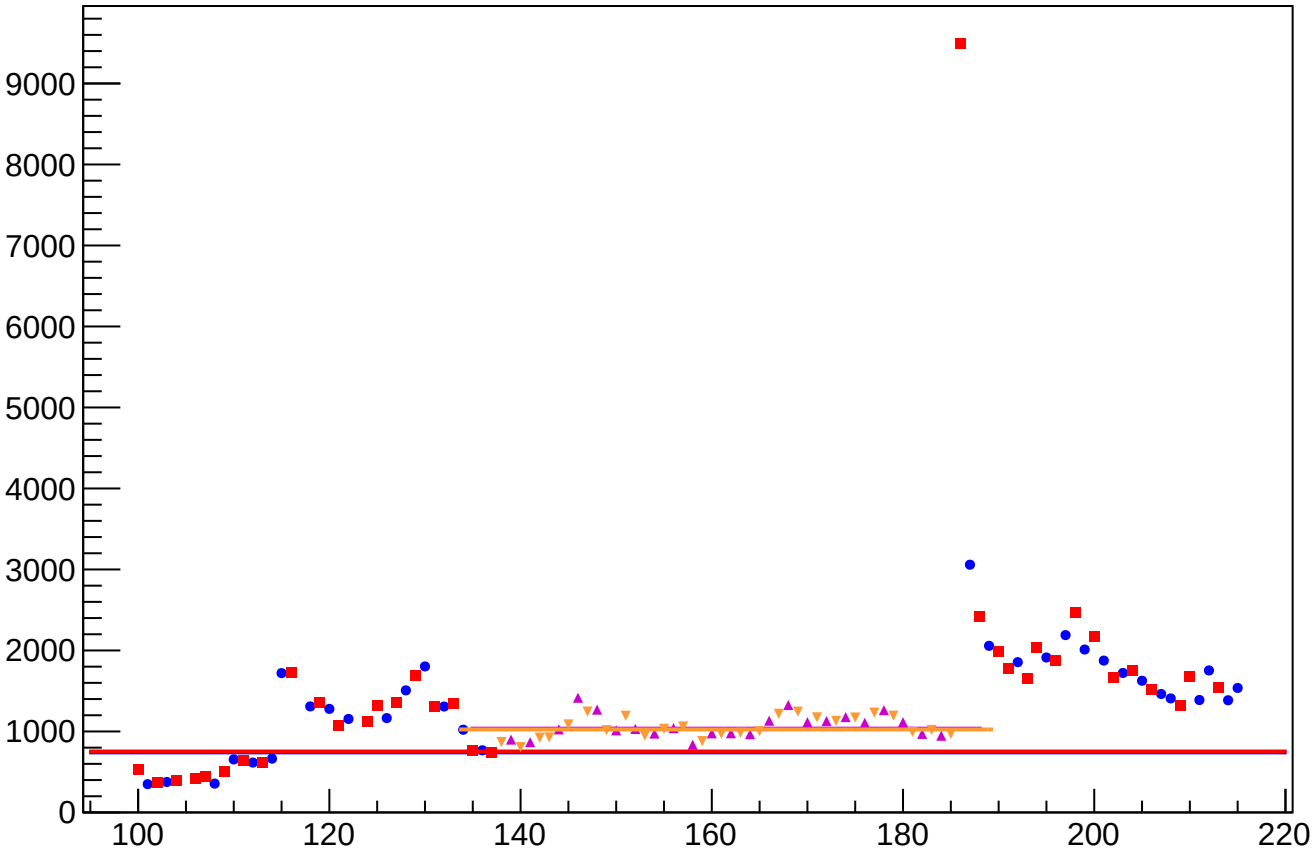
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 241.368+/-148.939 χ^2/NDF: 73.7/64

In: 294.852+/-158.445 χ^2/NDF:75.2/53

Out: 139.169+/-157.883 χ^2/NDF:66.1/58

All: 216.734+/-111.838 χ^2/NDF: 141.7/112



Right In: 741.890+/-0.147 χ^2/NDF: 12856585.4/30

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 752.359+/-0.151 χ^2/NDF: 12663865.8/33

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

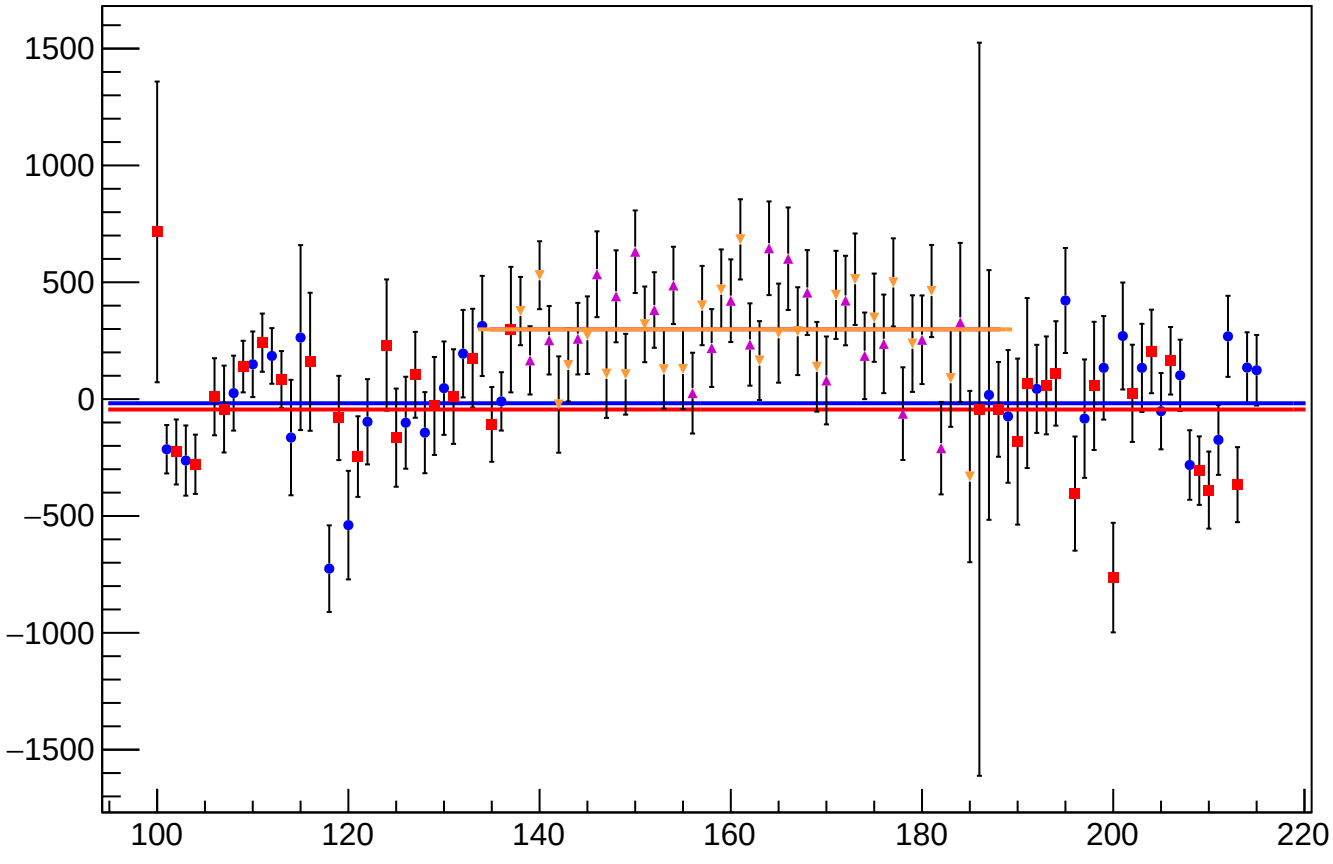
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 747.004+/-0.105 χ^2/NDF: 25522920.0/64

In: 865.088+/-0.112 χ^2/NDF:15147079.5/53

Out: 875.105+/-0.112 χ^2/NDF:14732735.9/58

All: 870.114+/-0.079 χ^2/NDF: 29883826.9/1



Right In: -17.623+/-31.084 χ^2/NDF: 52.1/30

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -44.296+/-31.385 χ^2/NDF: 50.9/33

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

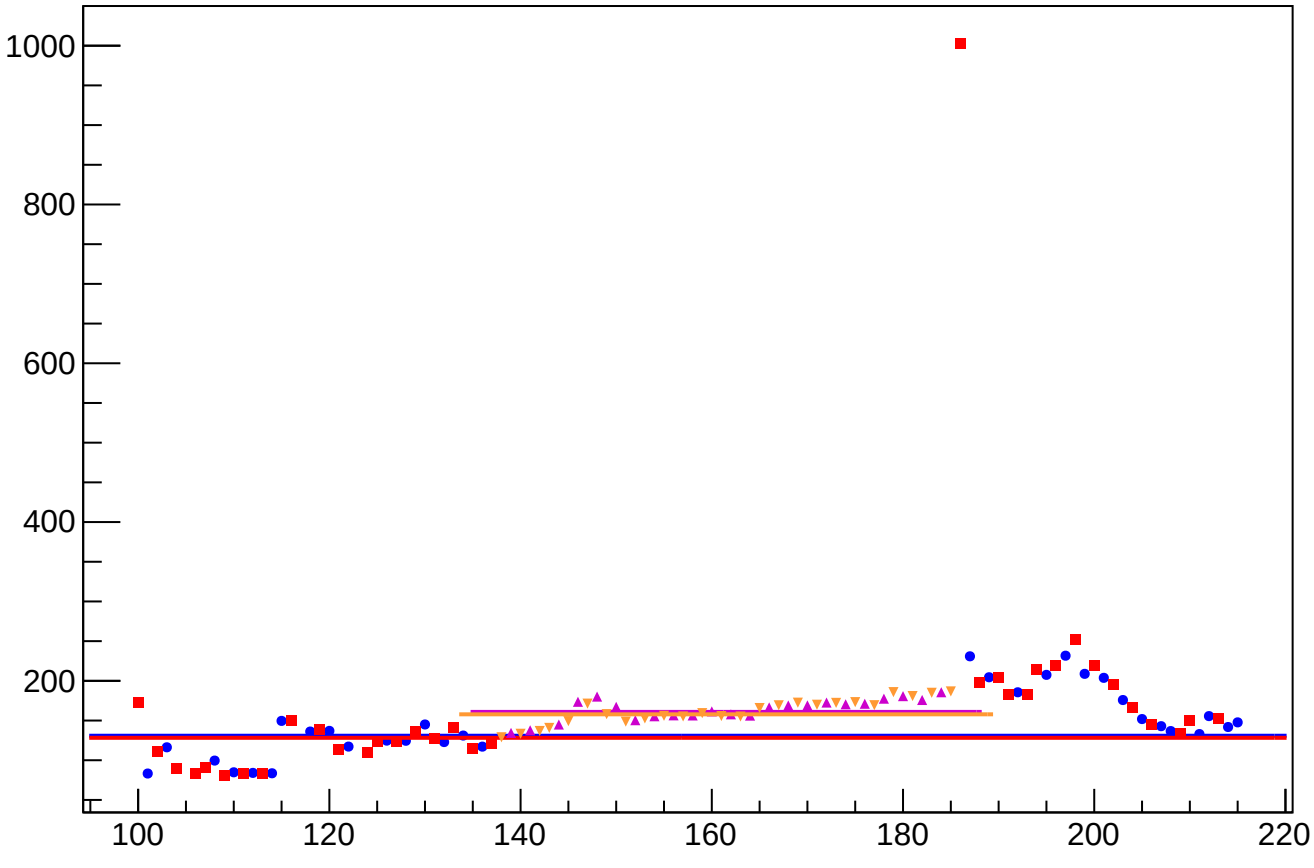
Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

Right: -30.831+/-22.085 χ^2/NDF: 103.4/64

In: 110.277+/-23.990 χ^2/NDF:123.4/53

Out: 103.506+/-23.671 χ^2/NDF:128.3/58

All: 106.846+/-16.850 χ^2/NDF: 251.8/112



Right In: 130.855+/-0.022 χ^2/NDF: 2788791.5/30

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.262+/-0.022 χ^2/NDF: 4258379.0/33

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

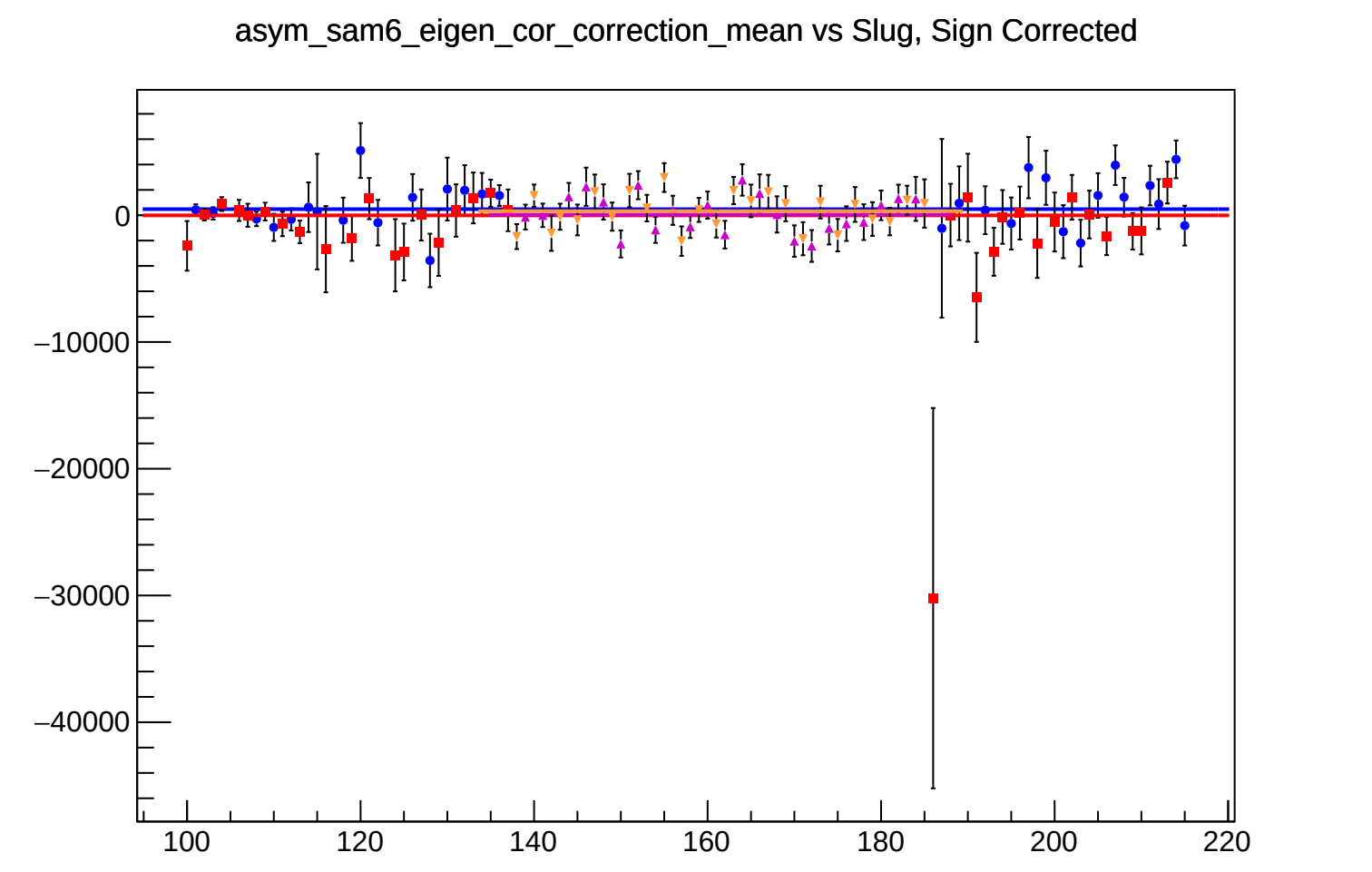
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.571+/-0.016 χ^2/NDF: 7054061.6/64

In: 142.993+/-0.017 χ^2/NDF:3811372.3/53

Out: 141.013+/-0.017 χ^2/NDF:5401233.4/58

All: 141.990+/-0.012 χ^2/NDF: 9219512.9/112



Right In: 480.845+/-208.252 χ^2/NDF: 38.5/30

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -9.374+/-213.094 χ^2/NDF: 32.5/33

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

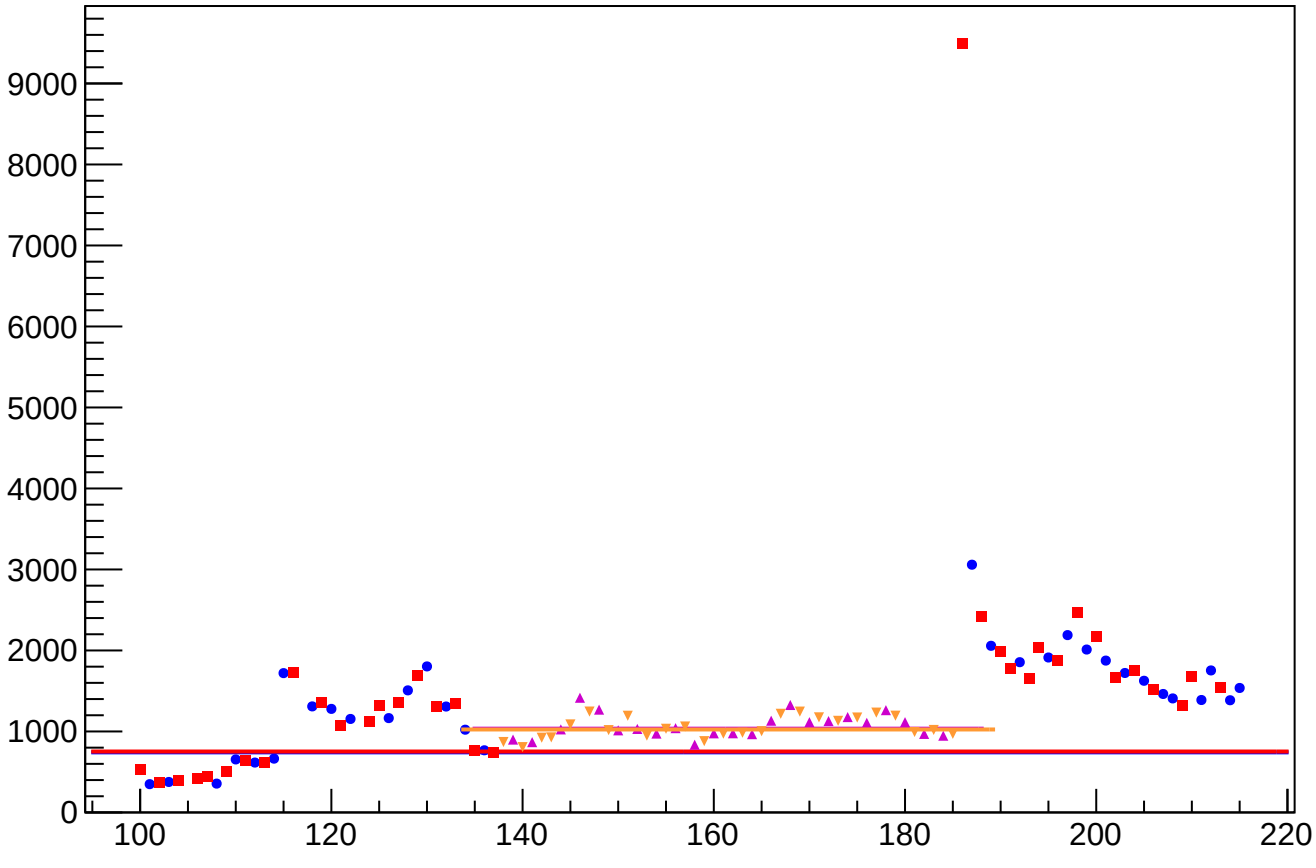
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 241.368+/-148.939 χ^2/NDF: 73.7/64

In: 294.852+/-158.445 χ^2/NDF:75.2/53

Out: 139.169+/-157.883 χ^2/NDF:66.1/58

All: 216.734+/-111.838 χ^2/NDF: 141.7/112



Right In: 741.890+/-0.147 χ^2/NDF: 12856585.4/30

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 752.359+/-0.151 χ^2/NDF: 12663865.8/33

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

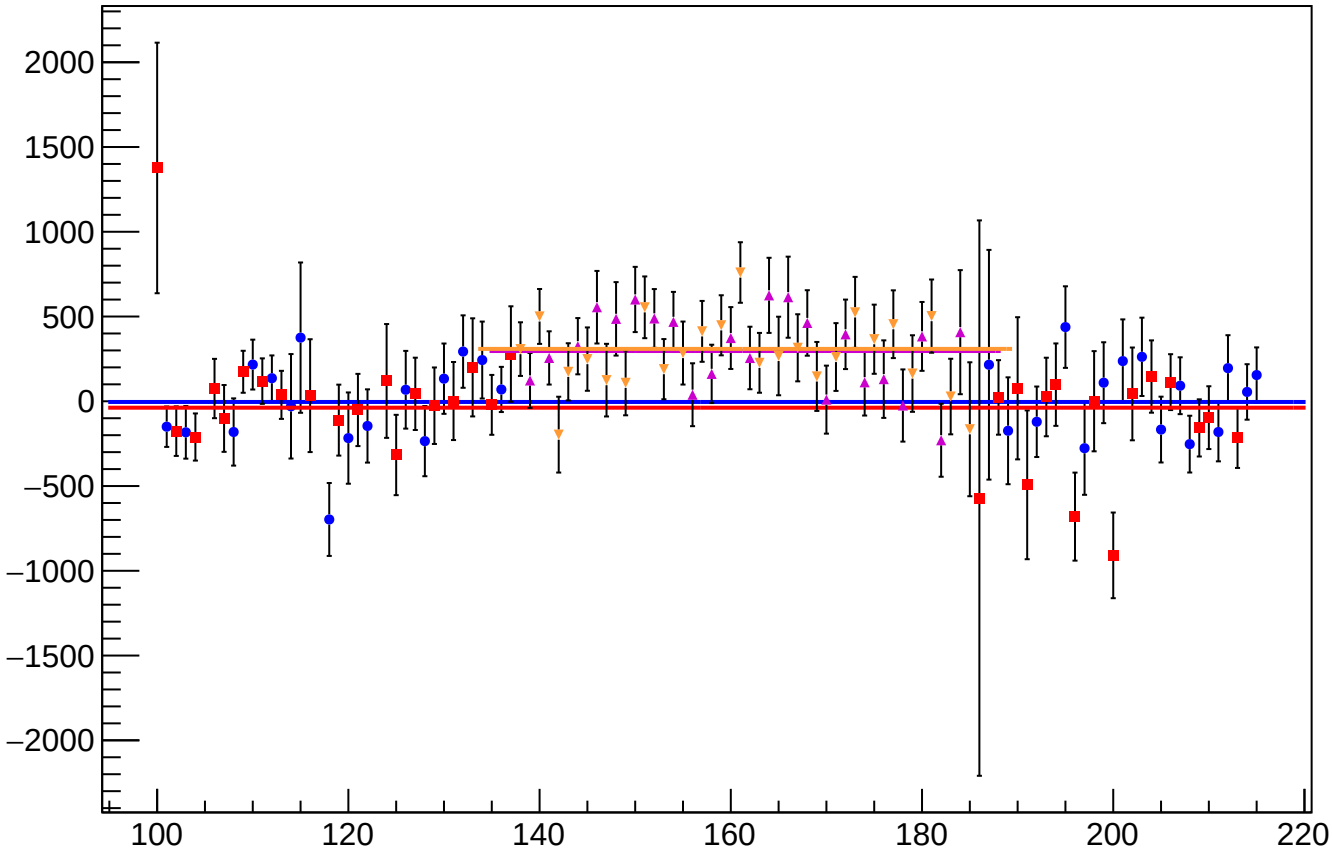
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 747.004+/-0.105 χ^2/NDF: 25522920.0/64

In: 865.088+/-0.112 χ^2/NDF:15147079.5/53

Out: 875.105+/-0.112 χ^2/NDF:14732735.9/58

All: 870.114+/-0.079 χ^2/NDF: 29883826.9/1



Right In: -4.024+/-34.799 χ^2/NDF: 38.3/30

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -37.836+/-35.256 χ^2/NDF: 38.1/33

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

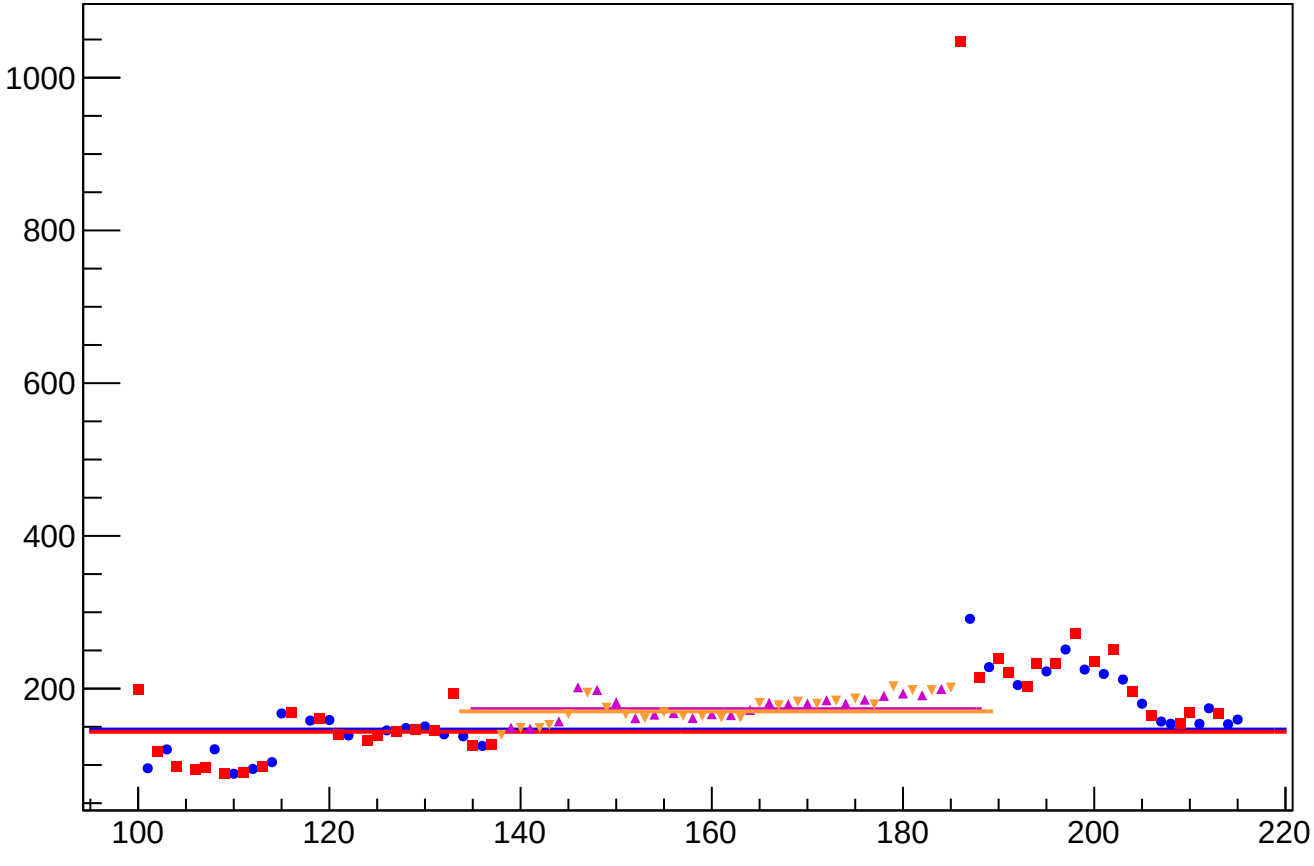
Right: -20.710+/-24.767 χ^2/NDF: 76.9/64

In: 123.228+/-26.424 χ^2/NDF:97.8/53

Out: 118.590+/-26.123 χ^2/NDF:107.3/58

All: 120.883+/-18.577 χ^2/NDF: 205.1/112

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 146.369+/-0.025 χ^2/NDF: 2729818.2/30

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 143.557+/-0.025 χ^2/NDF: 4421415.2/33

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

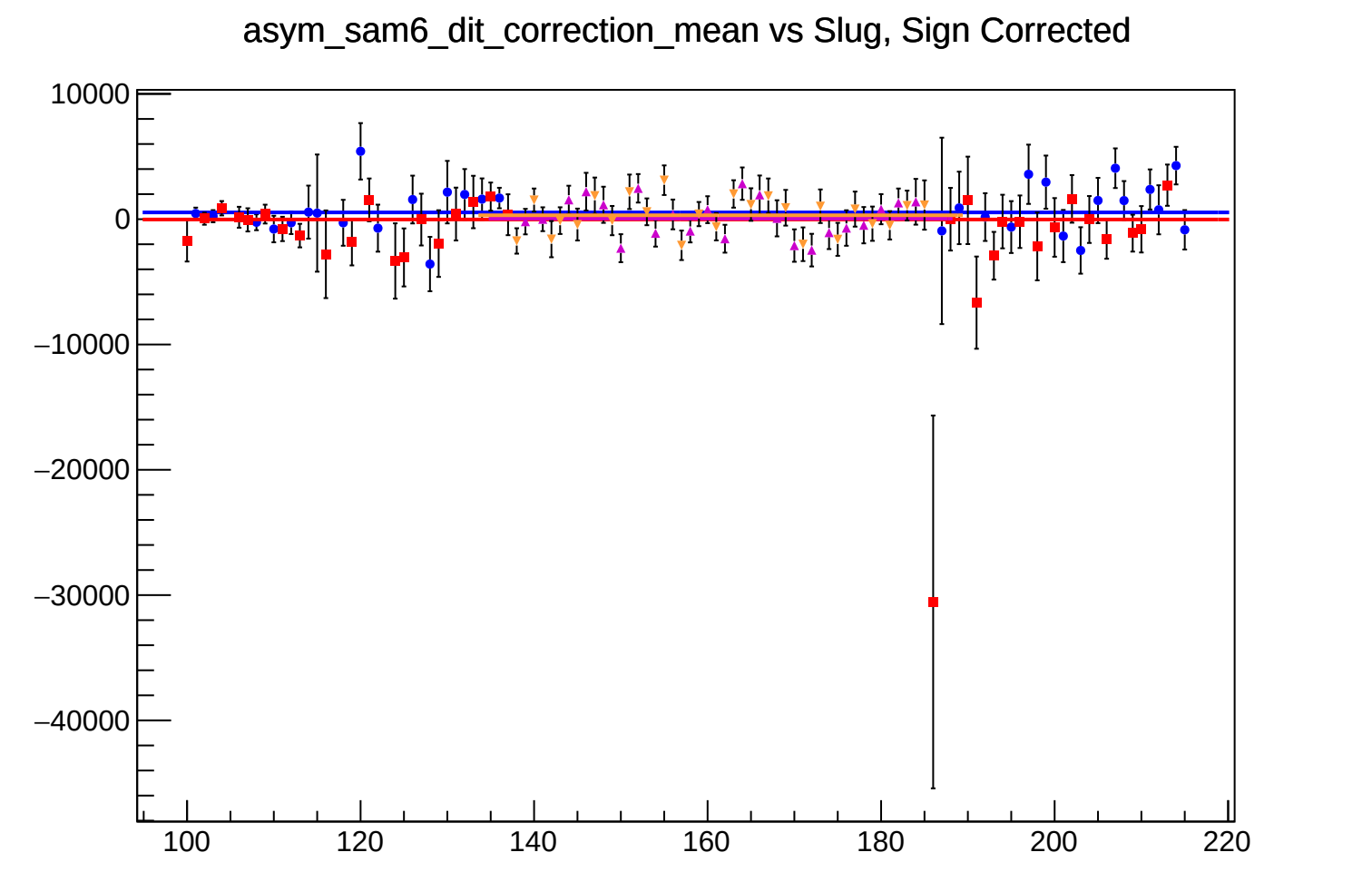
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 144.982+/-0.018 χ^2/NDF: 7157677.8/64

In: 157.656+/-0.019 χ^2/NDF:3520363.3/53

Out: 155.591+/-0.018 χ^2/NDF:5304353.4/58

All: 156.611+/-0.013 χ^2/NDF: 8830895.5/112



Right In: 540.541+/-216.534 χ^2/NDF: 37.7/30

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -23.621+/-219.492 χ^2/NDF: 31.4/33

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

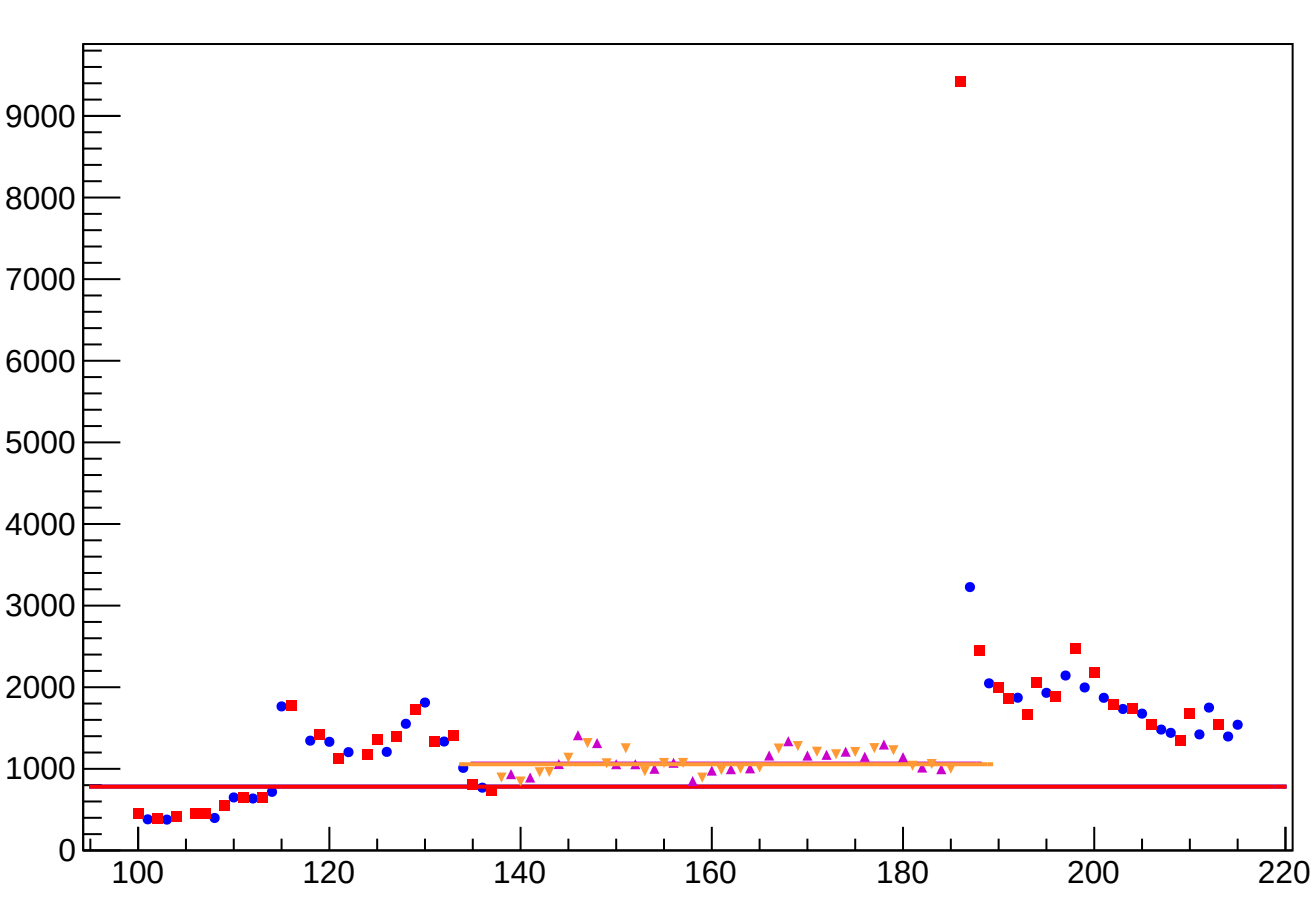
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 262.288+/-154.148 χ^2/NDF: 72.4/64

In: 330.298+/-164.025 χ^2/NDF:74.3/53

Out: 128.323+/-162.703 χ^2/NDF:65.4/58

All: 228.493+/-115.513 χ^2/NDF: 140.4/112



Right In: 782.908+/-0.153 χ^2/NDF: 12132305.5/30

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 781.596+/-0.155 χ^2/NDF: 12394057.2/33

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

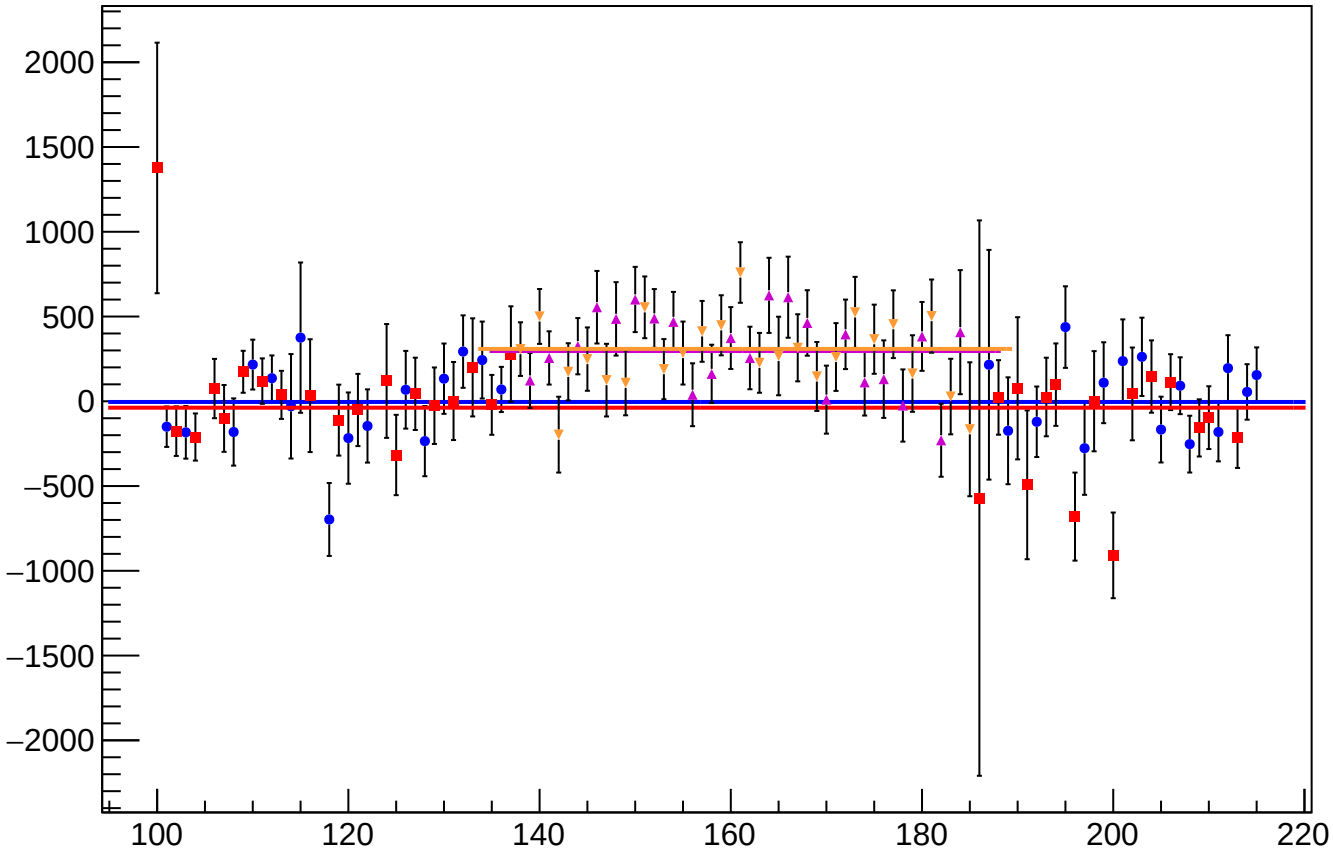
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 782.261+/-0.109 χ^2/NDF: 24526398.9/64

In: 903.001+/-0.116 χ^2/NDF:14186842.4/53

Out: 905.369+/-0.115 χ^2/NDF:14416412.3/58

All: 904.195+/-0.082 χ^2/NDF: 28603464.8/11



Right In: -4.026+/-34.799 χ^2/NDF: 38.3/30

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -37.836+/-35.256 χ^2/NDF: 38.1/33

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

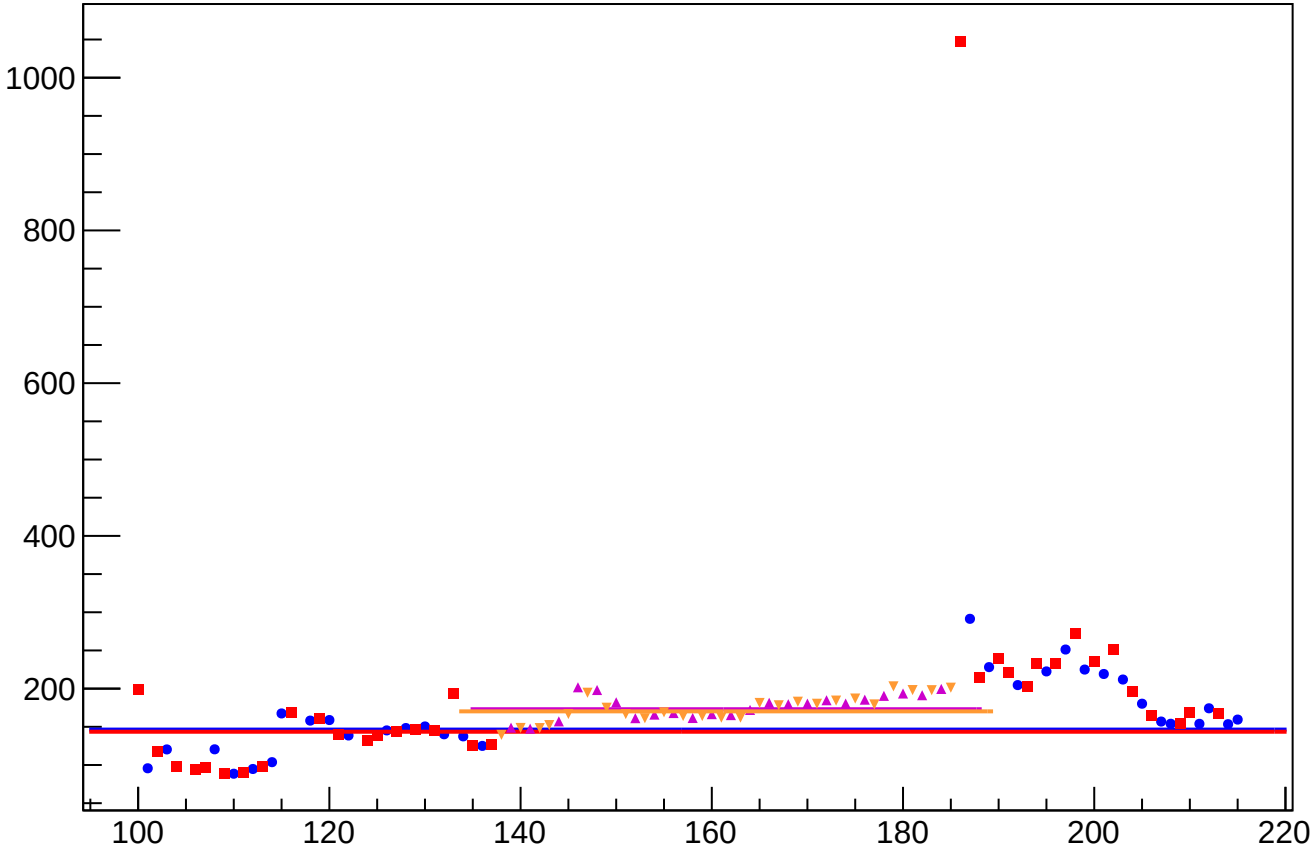
Right: -20.710+/-24.767 χ^2/NDF: 76.9/64

In: 123.228+/-26.424 χ^2/NDF:97.8/53

Out: 118.591+/-26.123 χ^2/NDF:107.3/58

All: 120.883+/-18.577 χ^2/NDF: 205.1/112

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 146.369+/-0.025 χ^2/NDF: 2729837.4/30

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 143.557+/-0.025 χ^2/NDF: 4421422.3/33

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

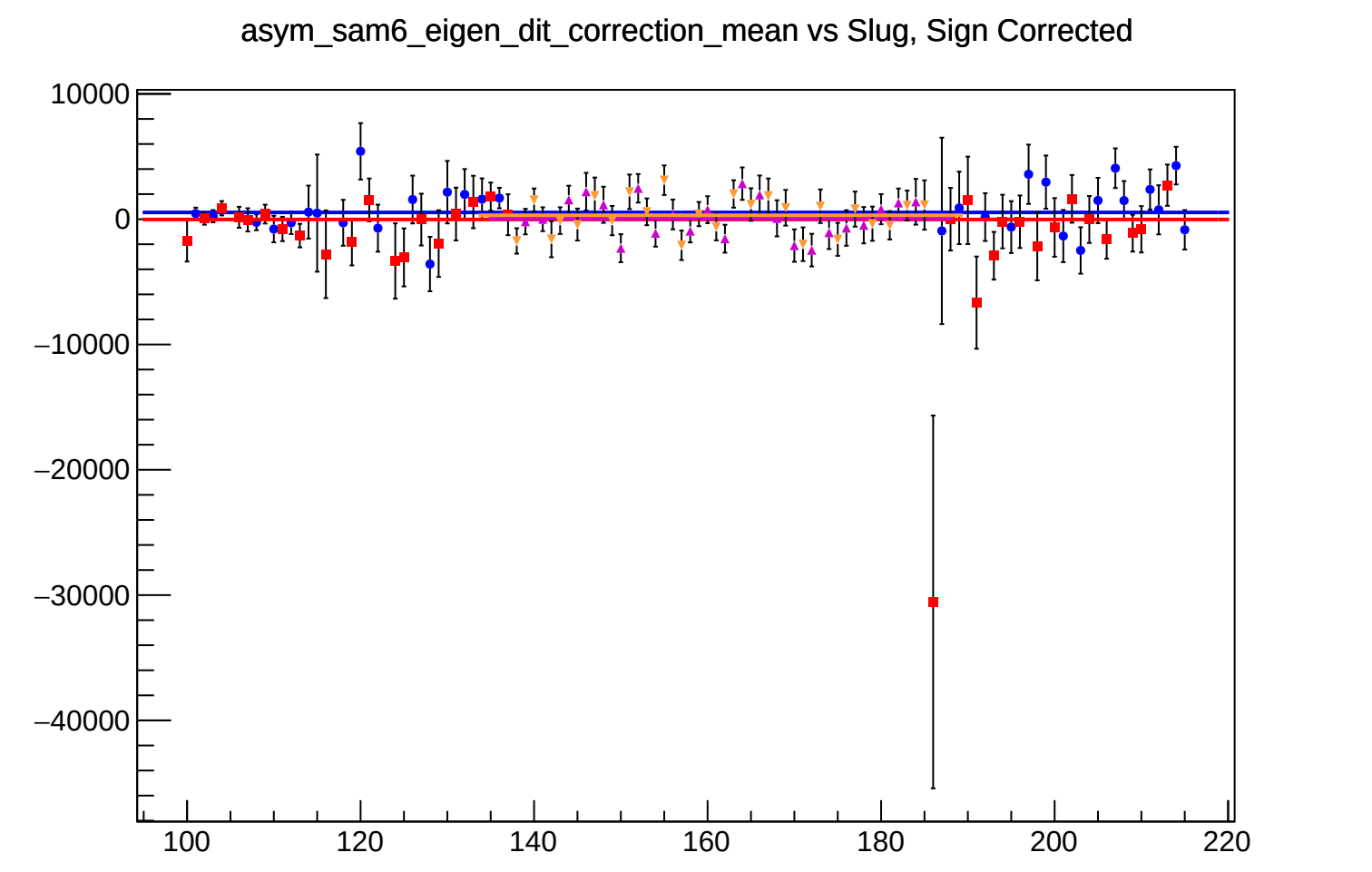
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 144.981+/-0.018 χ^2/NDF: 7157703.9/64

In: 157.656+/-0.019 χ^2/NDF:3520386.4/53

Out: 155.590+/-0.018 χ^2/NDF:5304363.1/58

All: 156.611+/-0.013 χ^2/NDF: 8830928.3/112



Right In: 540.540+/-216.534 χ^2/NDF: 37.7/30

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -23.620+/-219.492 χ^2/NDF: 31.4/33

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

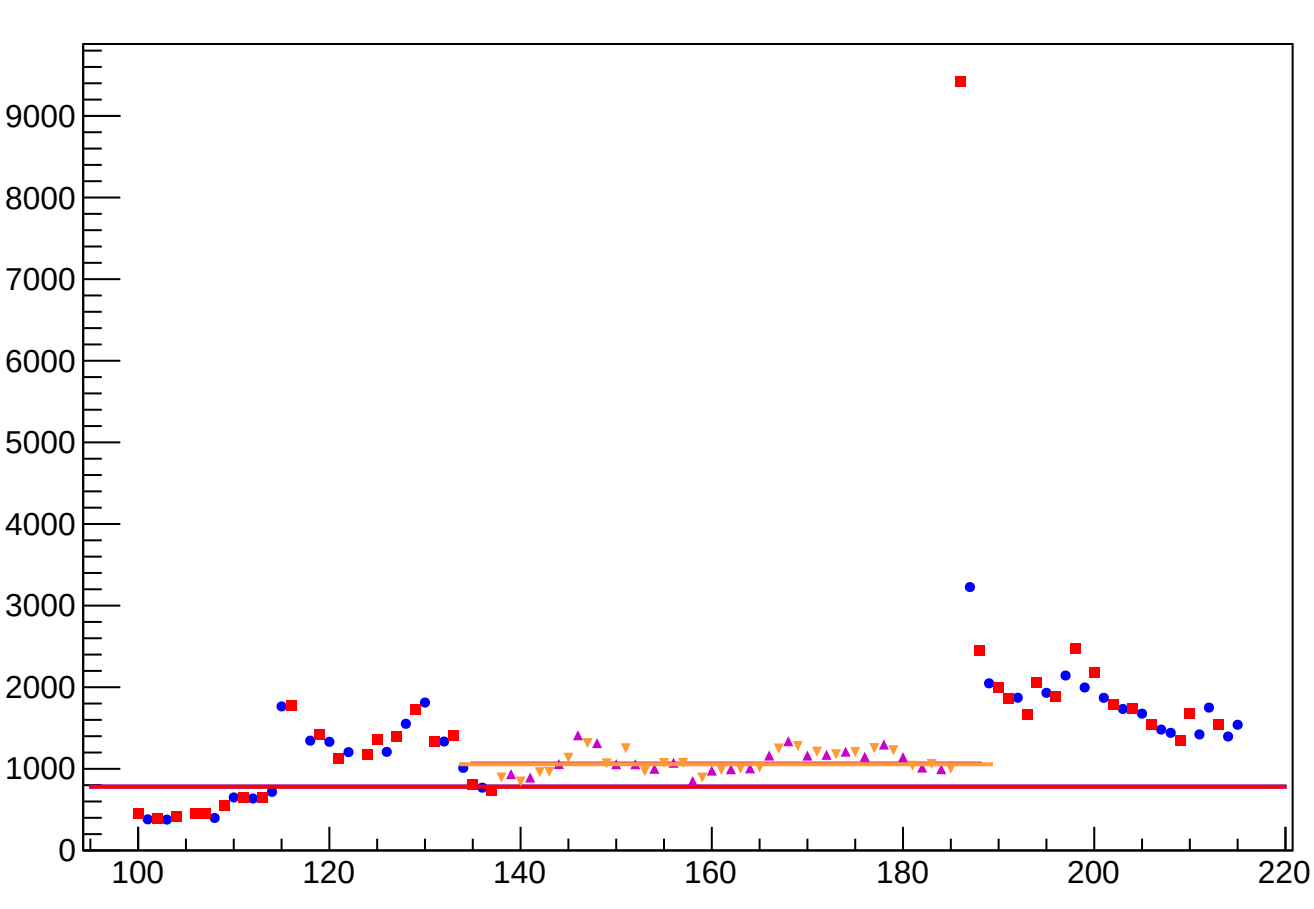
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 262.288+/-154.148 χ^2/NDF: 72.4/64

In: 330.297+/-164.025 χ^2/NDF:74.3/53

Out: 128.323+/-162.703 χ^2/NDF:65.4/58

All: 228.493+/-115.513 χ^2/NDF: 140.4/112



Right In: 782.907+/-0.153 χ^2/NDF: 12132321.0/30

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 781.596+/-0.155 χ^2/NDF: 12394061.5/33

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

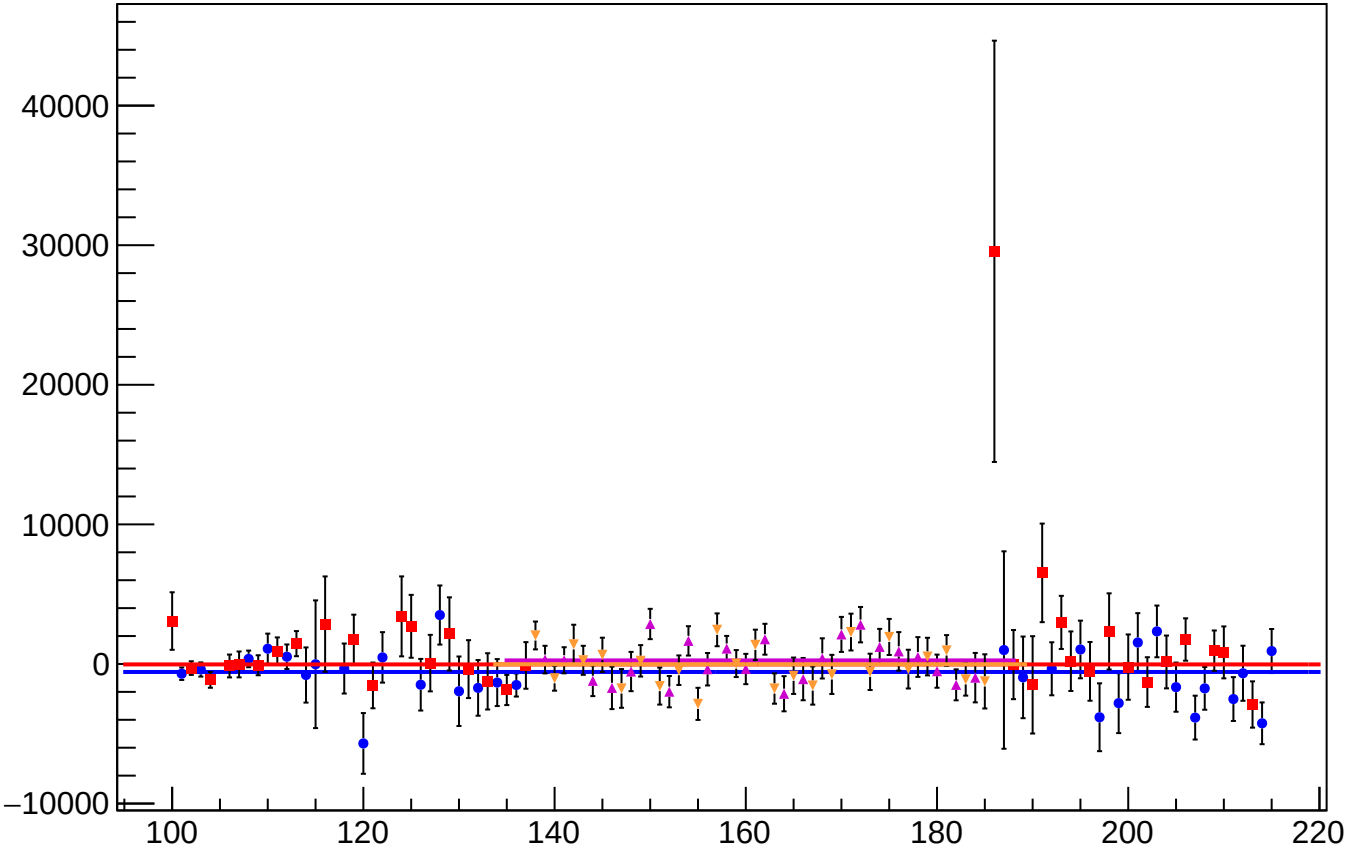
Right: 782.260+/-0.109 χ^2/NDF: 24526418.7/64

In: 903.000+/-0.116 χ^2/NDF:14186872.5/53

Out: 905.369+/-0.115 χ^2/NDF:14416431.3/58

All: 904.194+/-0.082 χ^2/NDF: 28603514.0/1

asym_sam6_mean vs Slug, Sign Corrected



Right In: -573.344+/-213.477 χ^2/NDF: 39.4/30

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -32.903+/-217.455 χ^2/NDF: 35.9/33

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

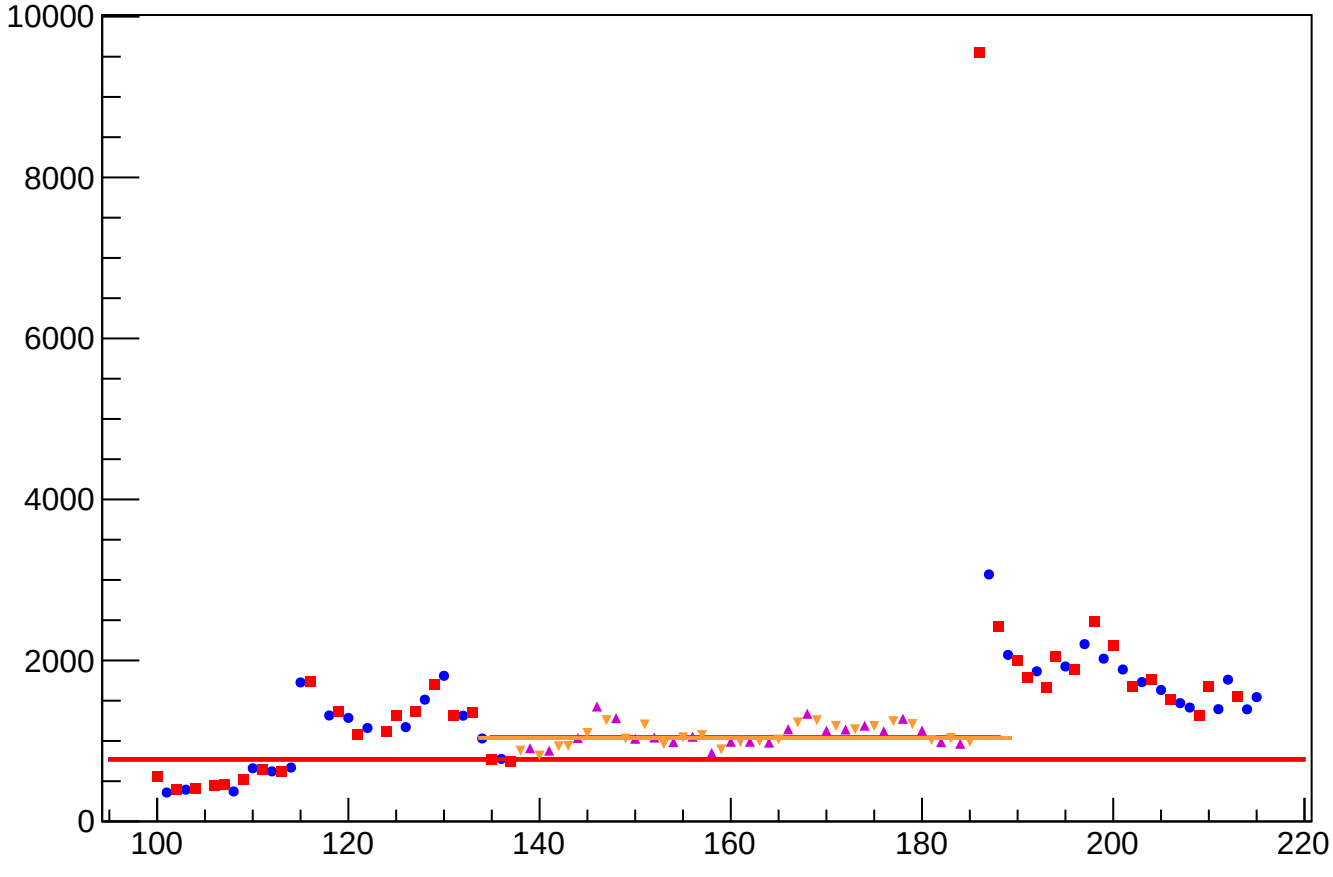
Right: -308.111+/-152.338 χ^2/NDF: 78.4/64

In: -219.320+/-161.570 χ^2/NDF:79.4/53

Out: -27.878+/-160.528 χ^2/NDF:70.4/58

All: -122.980+/-113.877 χ^2/NDF: 150.5/112

asym_sam6_rms vs Slug, Sign Corrected



Right In: 767.650+/-0.151 χ^2/NDF: 12373901.9/30

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 776.156+/-0.154 χ^2/NDF: 12238847.8/33

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

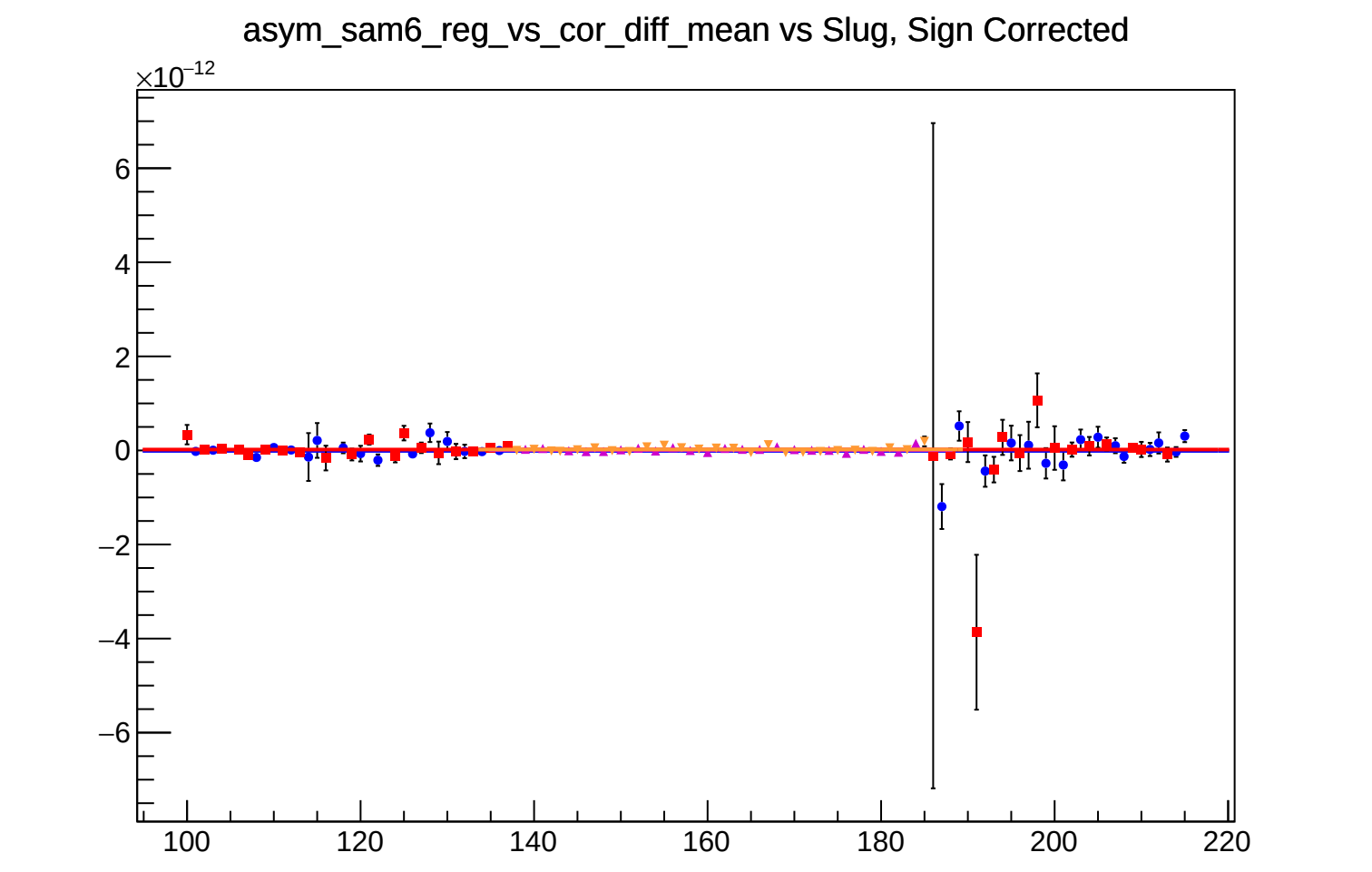
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 771.824+/-0.108 χ^2/NDF: 24614307.7/64

In: 887.252+/-0.114 χ^2/NDF:14456830.9/53

Out: 894.998+/-0.114 χ^2/NDF:14137118.7/58

All: 891.150+/-0.081 χ^2/NDF: 28596262.8/11



Right In: -0.000+/-0.000 χ^2/NDF: 39.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/33

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

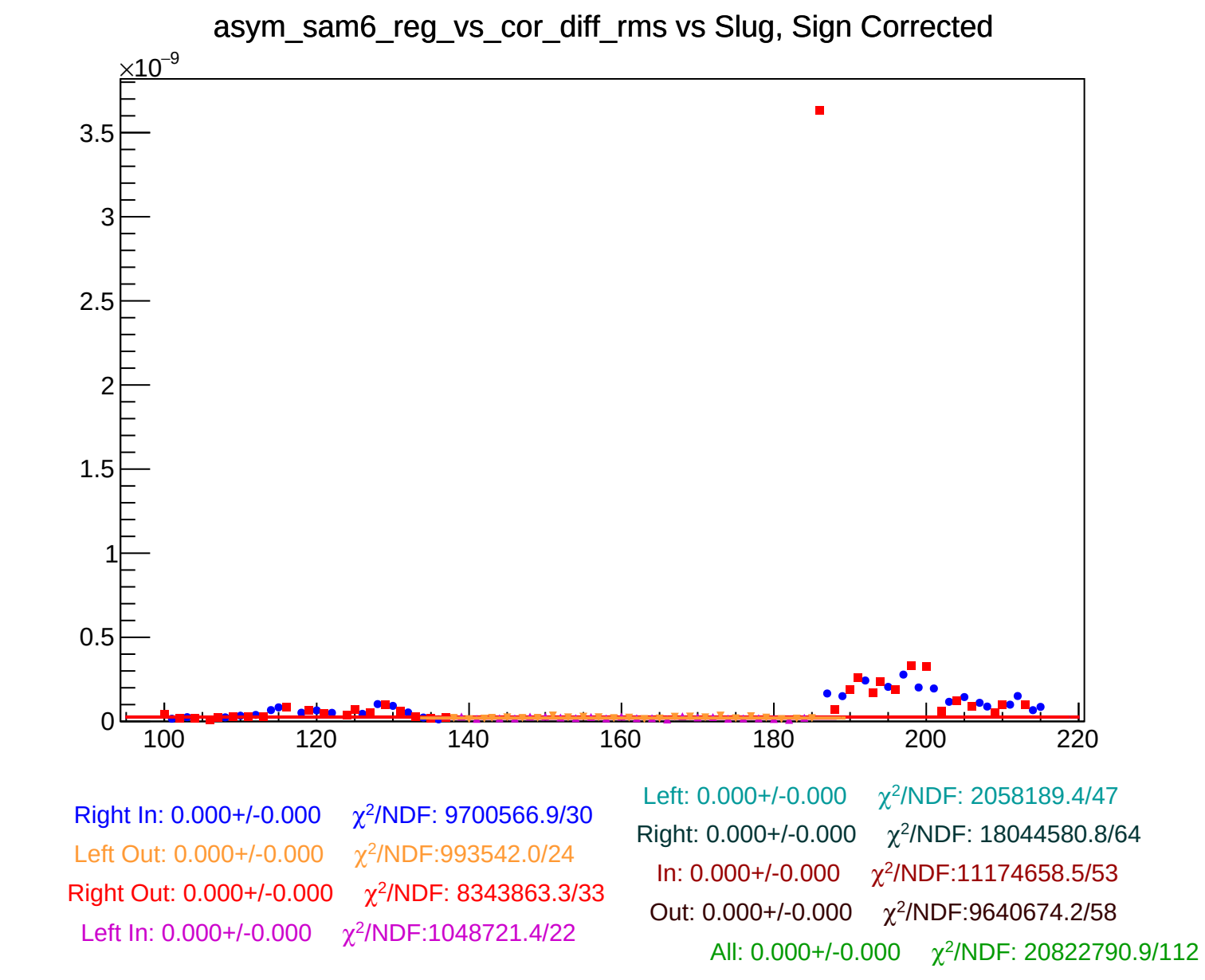
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

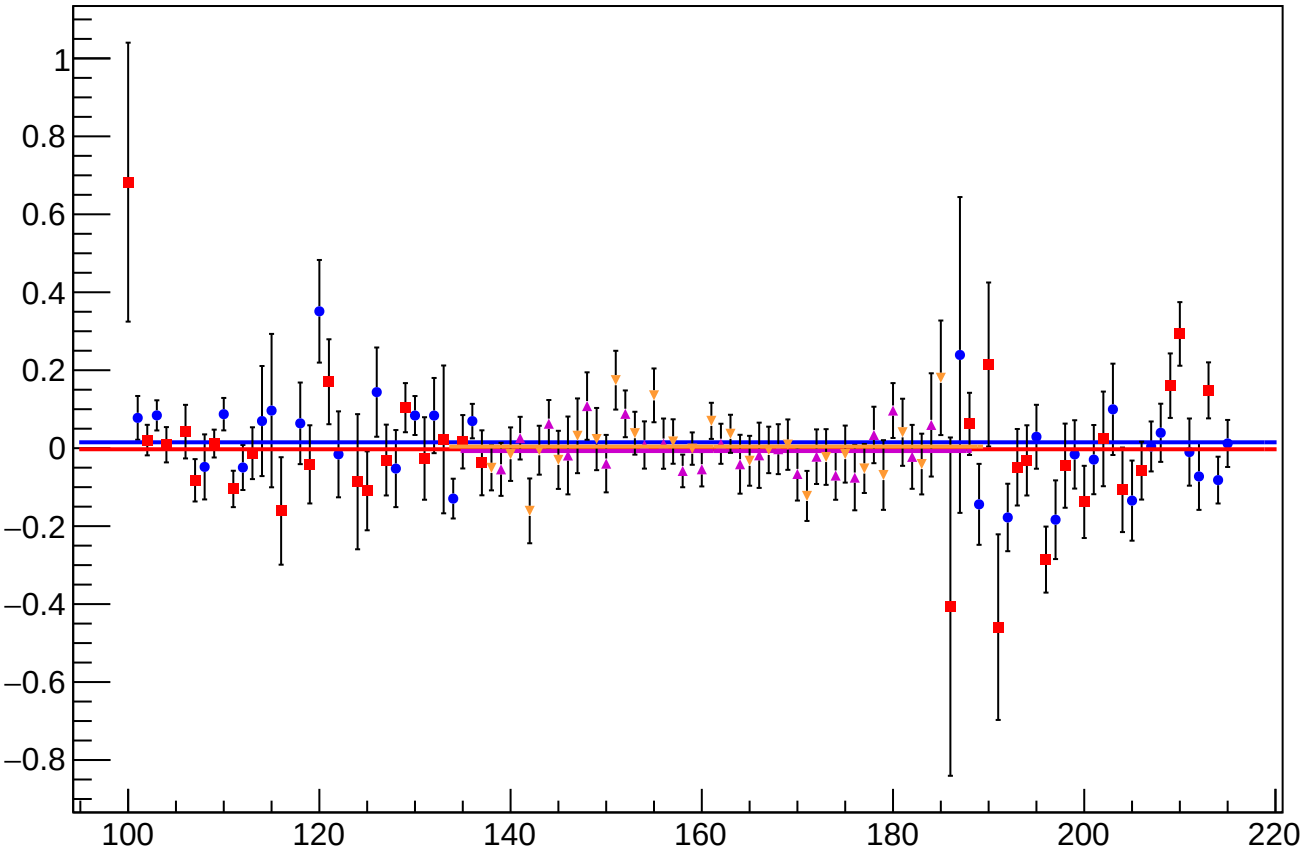
Right: 0.000+/-0.000 χ^2/NDF: 75.7/64

In: 0.000+/-0.000 χ^2/NDF:59.0/53

Out: 0.000+/-0.000 χ^2/NDF:64.0/58

All: 0.000+/-0.000 χ^2/NDF: 126.5/112


asym_sam6_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: 9700566.9/30
Left Out: 0.000+/-0.000 χ²/NDF:993542.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 8343863.3/33
Left In: 0.000+/-0.000 χ²/NDF:1048721.4/22
Left: 0.000+/-0.000 χ²/NDF: 2058189.4/47
Right: 0.000+/-0.000 χ²/NDF: 18044580.8/64
In: 0.000+/-0.000 χ²/NDF:11174658.5/53
Out: 0.000+/-0.000 χ²/NDF:9640674.2/58
All: 0.000+/-0.000 χ²/NDF: 20822790.9/112



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/30

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.003+/-0.013 χ^2/NDF: 63.3/33

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

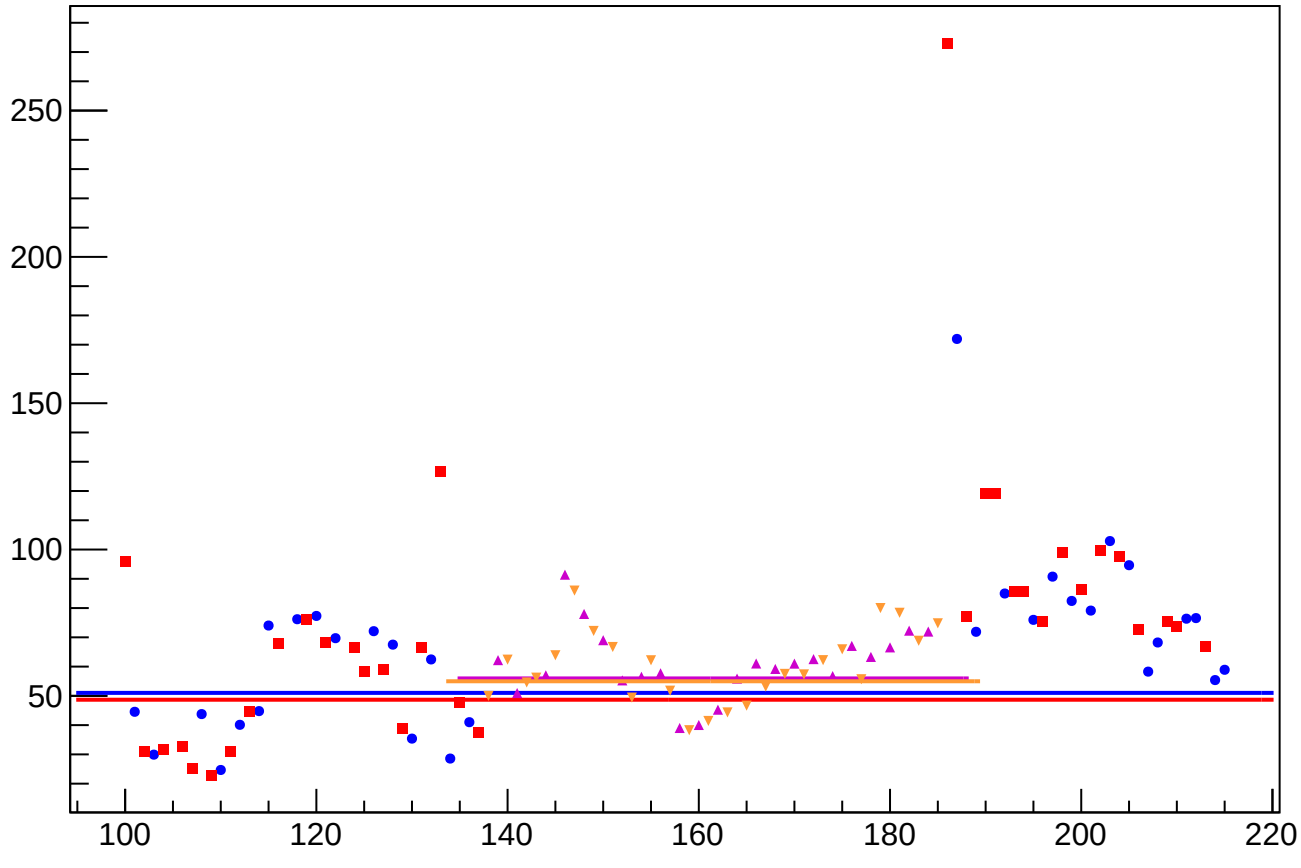
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.006+/-0.009 χ^2/NDF: 112.7/64

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.003+/-0.007 χ^2/NDF: 153.3/112



Right In: 51.018+/-0.009 χ^2/NDF: 5429988.1/30

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 48.679+/-0.009 χ^2/NDF: 7618131.2/33

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

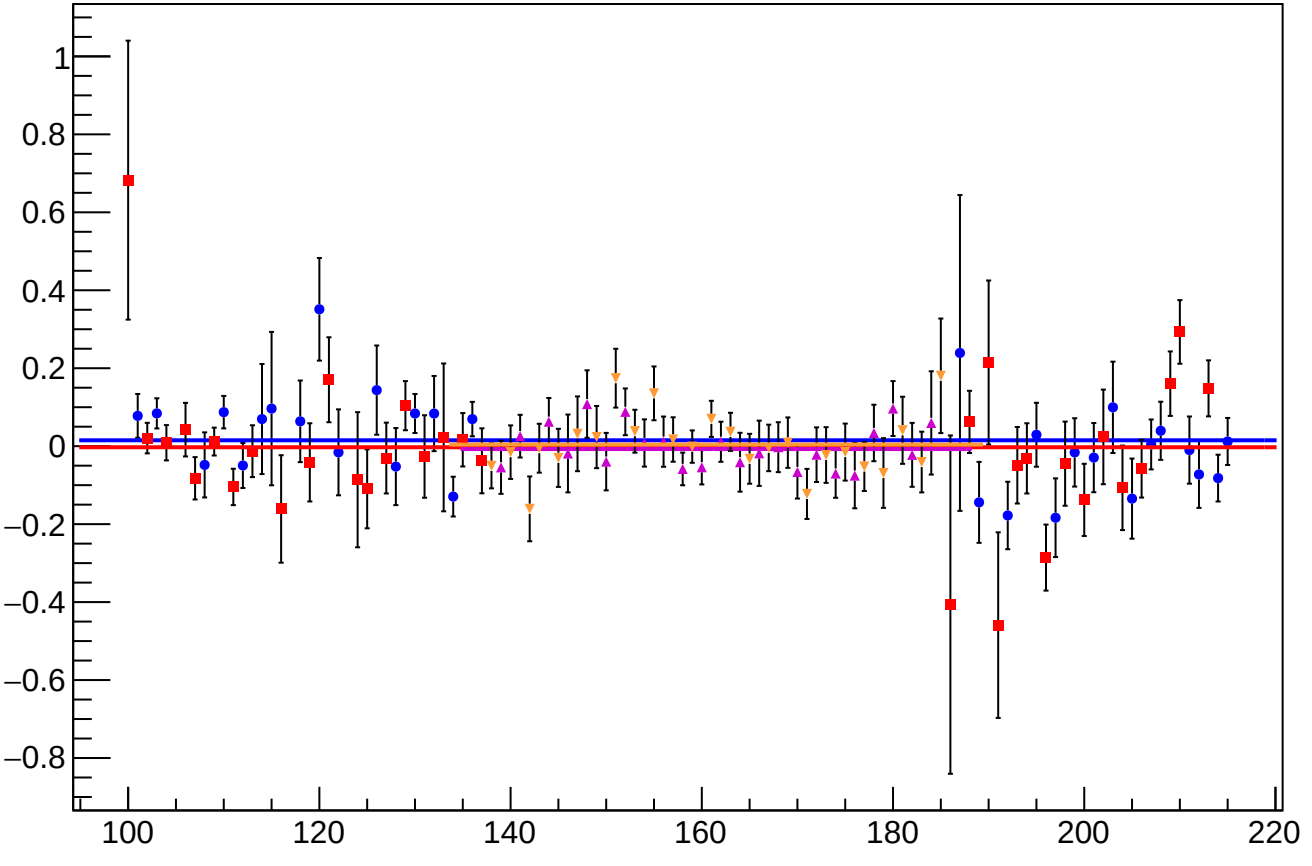
Right: 49.855+/-0.006 χ^2/NDF: 13081019.8/64

In: 53.364+/-0.007 χ^2/NDF:6976196.9/53

Out: 51.828+/-0.006 χ^2/NDF:9422393.3/58

All: 52.583+/-0.005 χ^2/NDF: 16426256.1/112

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/30

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.003+/-0.013 χ^2/NDF: 63.3/33

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

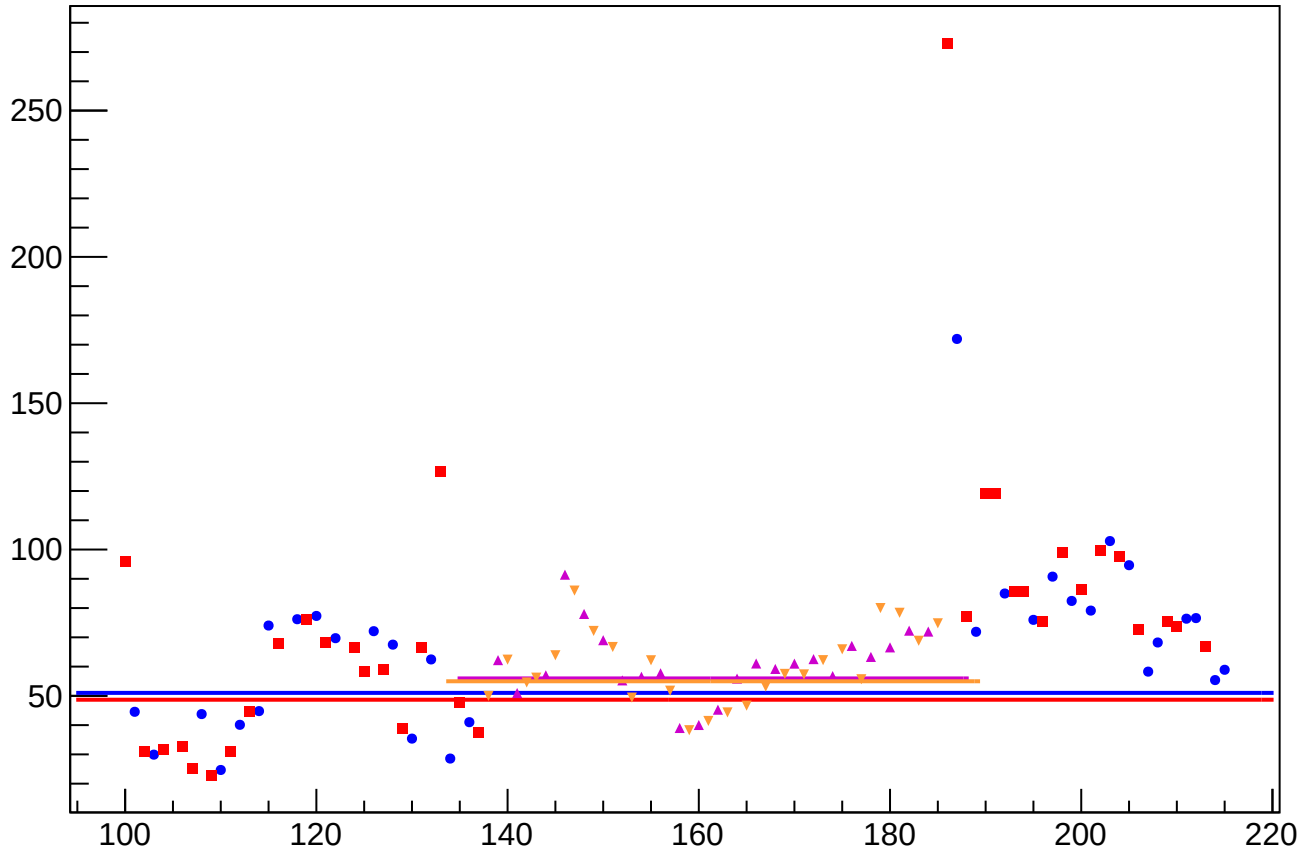
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.006+/-0.009 χ^2/NDF: 112.7/64

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.003+/-0.007 χ^2/NDF: 153.3/112



Right In: 51.018+/-0.009 χ^2/NDF: 5429988.1/30

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 48.679+/-0.009 χ^2/NDF: 7618131.2/33

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

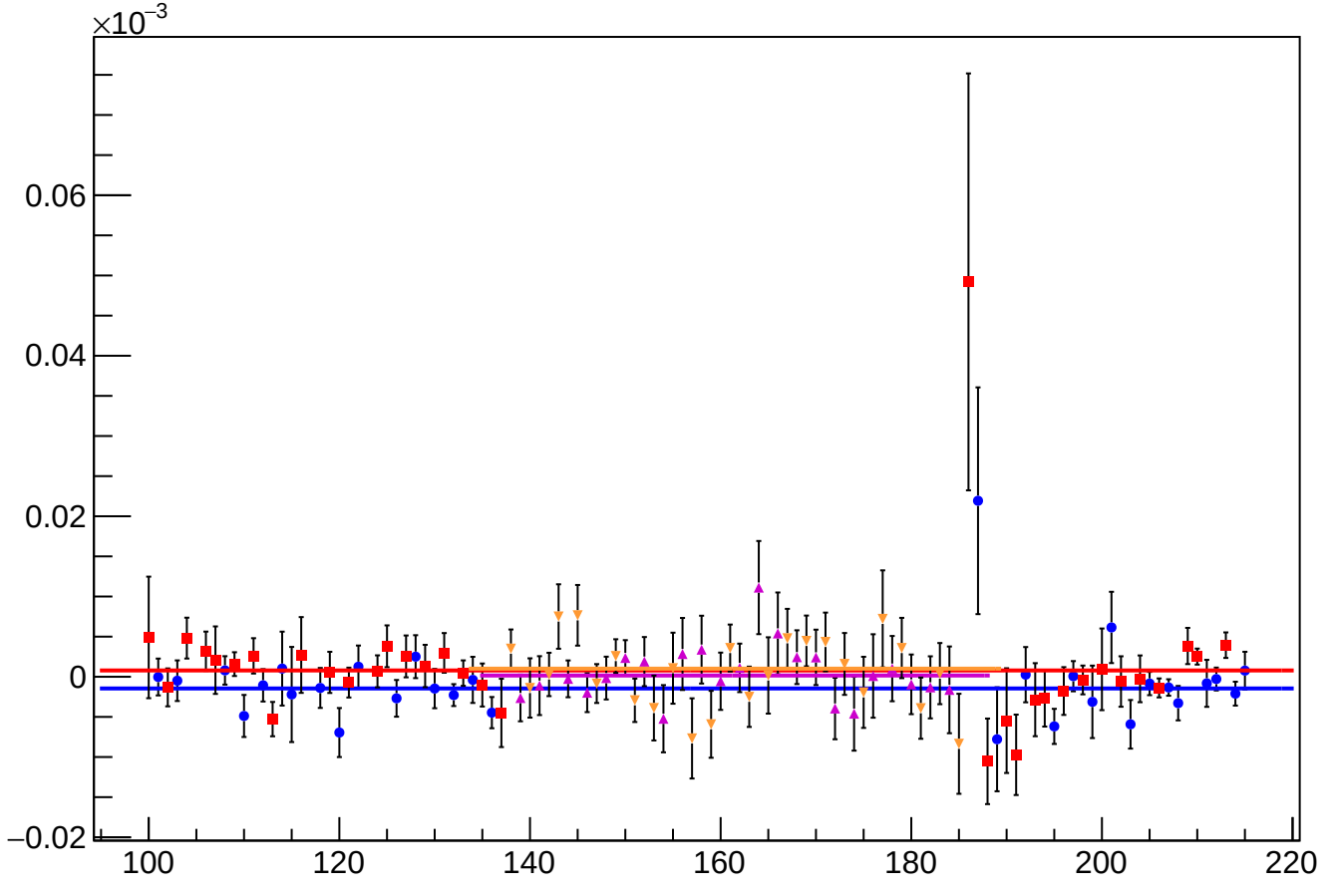
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 49.855+/-0.006 χ^2/NDF: 13081019.8/64

In: 53.364+/-0.007 χ^2/NDF:6976196.9/53

Out: 51.828+/-0.006 χ^2/NDF:9422393.3/58

All: 52.583+/-0.005 χ^2/NDF: 16426256.1/112



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.7/33

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

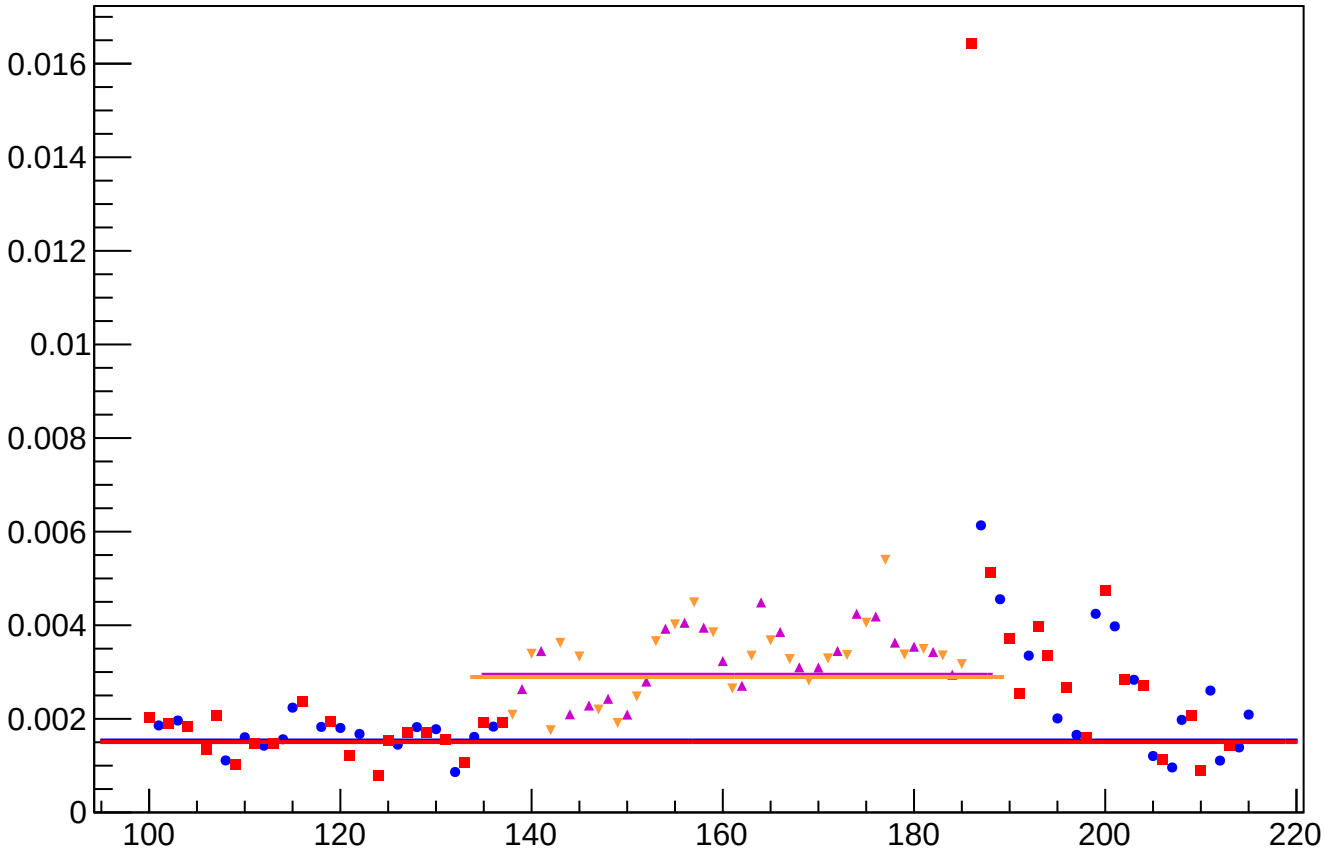
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 95.6/64

In: -0.000+/-0.000 χ^2/NDF:49.1/53

Out: 0.000+/-0.000 χ^2/NDF:76.4/58

All: -0.000+/-0.000 χ^2/NDF: 141.7/112



Right In: 0.002+/-0.000 χ^2/NDF: 5266226.8/30

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6988832.2/33

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

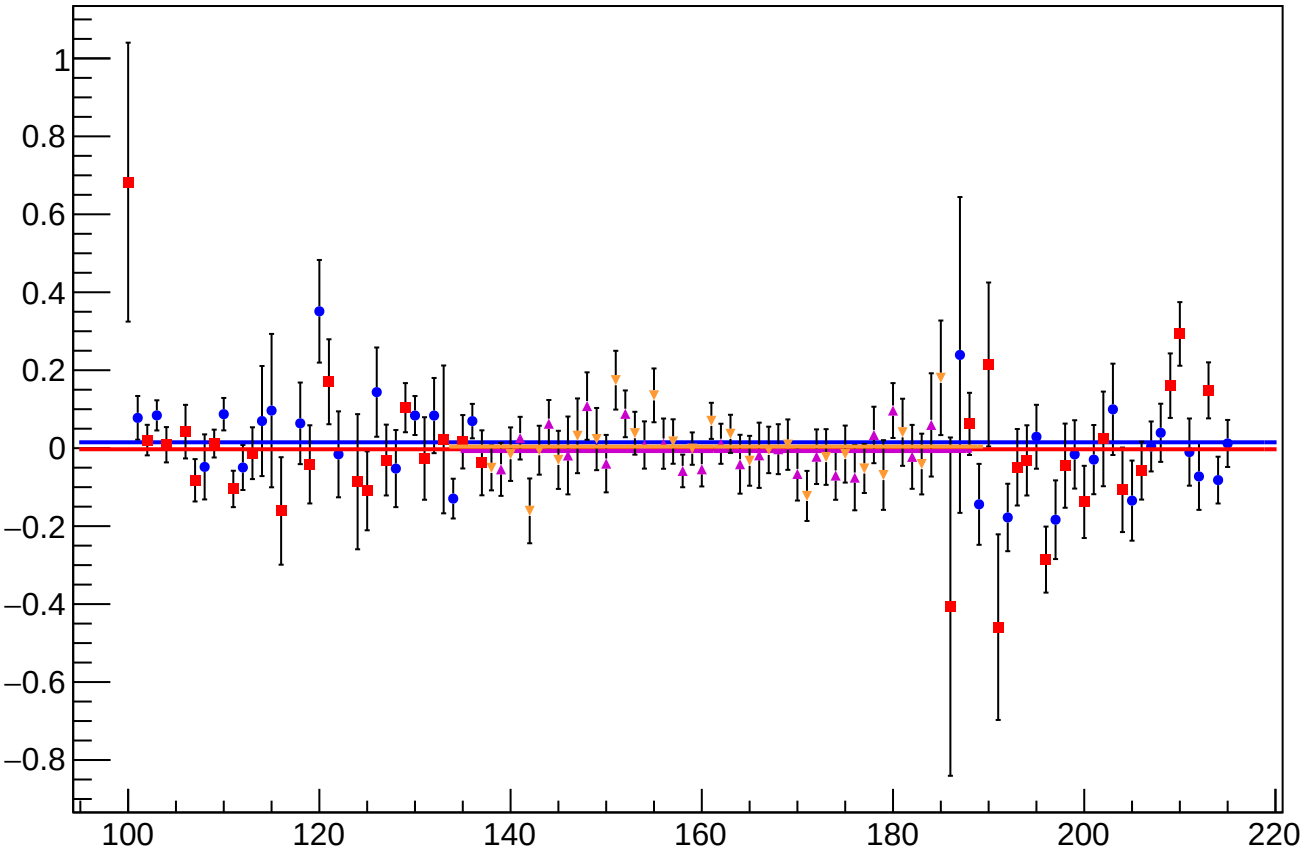
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 12262351.7/64

In: 0.002+/-0.000 χ^2/NDF:13192743.6/53

Out: 0.002+/-0.000 χ^2/NDF:15849241.0/58

All: 0.002+/-0.000 χ^2/NDF: 29044628.8/112



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/30

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.003+/-0.013 χ^2/NDF: 63.3/33

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

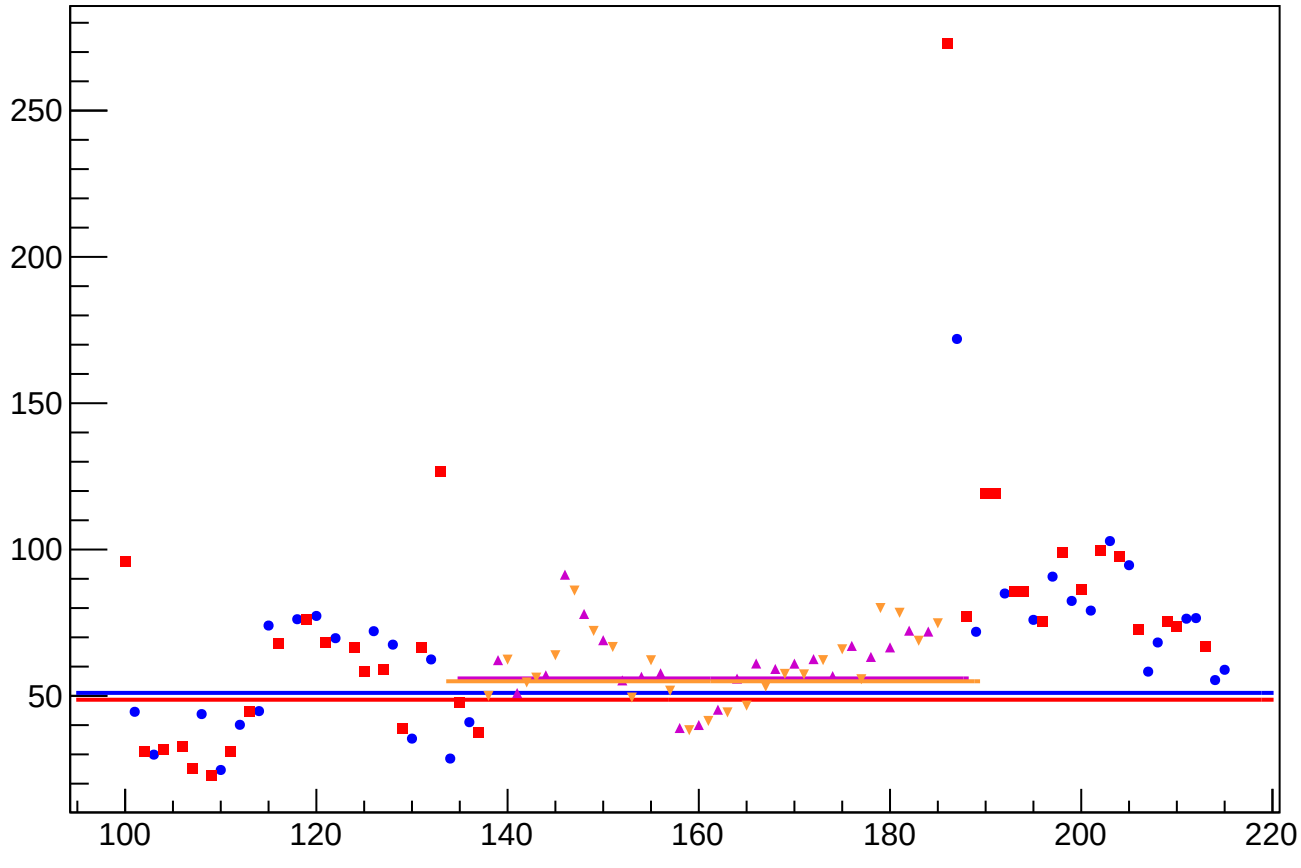
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.006+/-0.009 χ^2/NDF: 112.7/64

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.003+/-0.007 χ^2/NDF: 153.3/112



Right In: 51.018+/-0.009 χ^2/NDF: 5430123.7/30

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 48.678+/-0.009 χ^2/NDF: 7618150.3/33

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

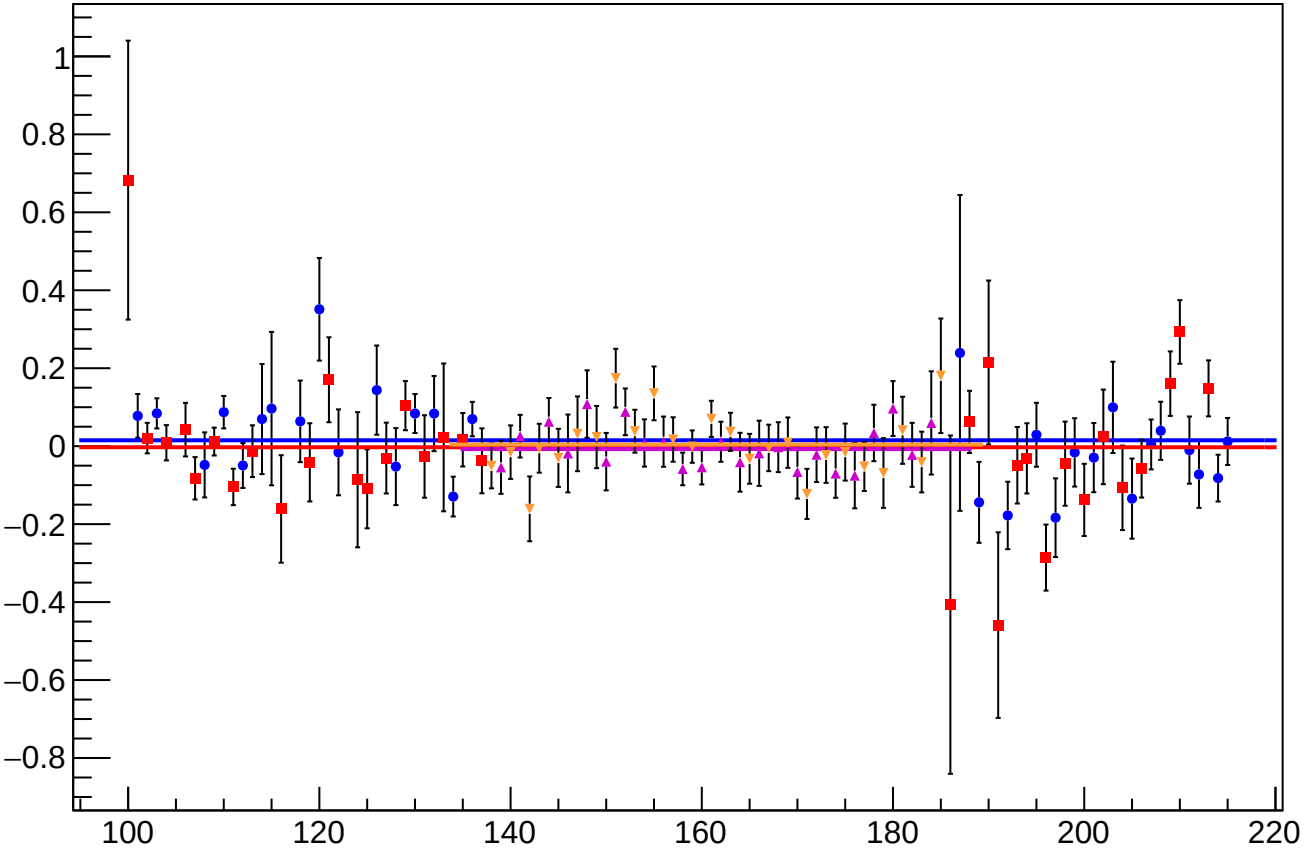
Right: 49.855+/-0.006 χ^2/NDF: 13081168.4/64

In: 53.363+/-0.007 χ^2/NDF:6976470.4/53

Out: 51.827+/-0.006 χ^2/NDF:9422489.3/58

All: 52.582+/-0.005 χ^2/NDF: 16426619.3/112

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/30

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.003+/-0.013 χ^2/NDF: 63.3/33

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

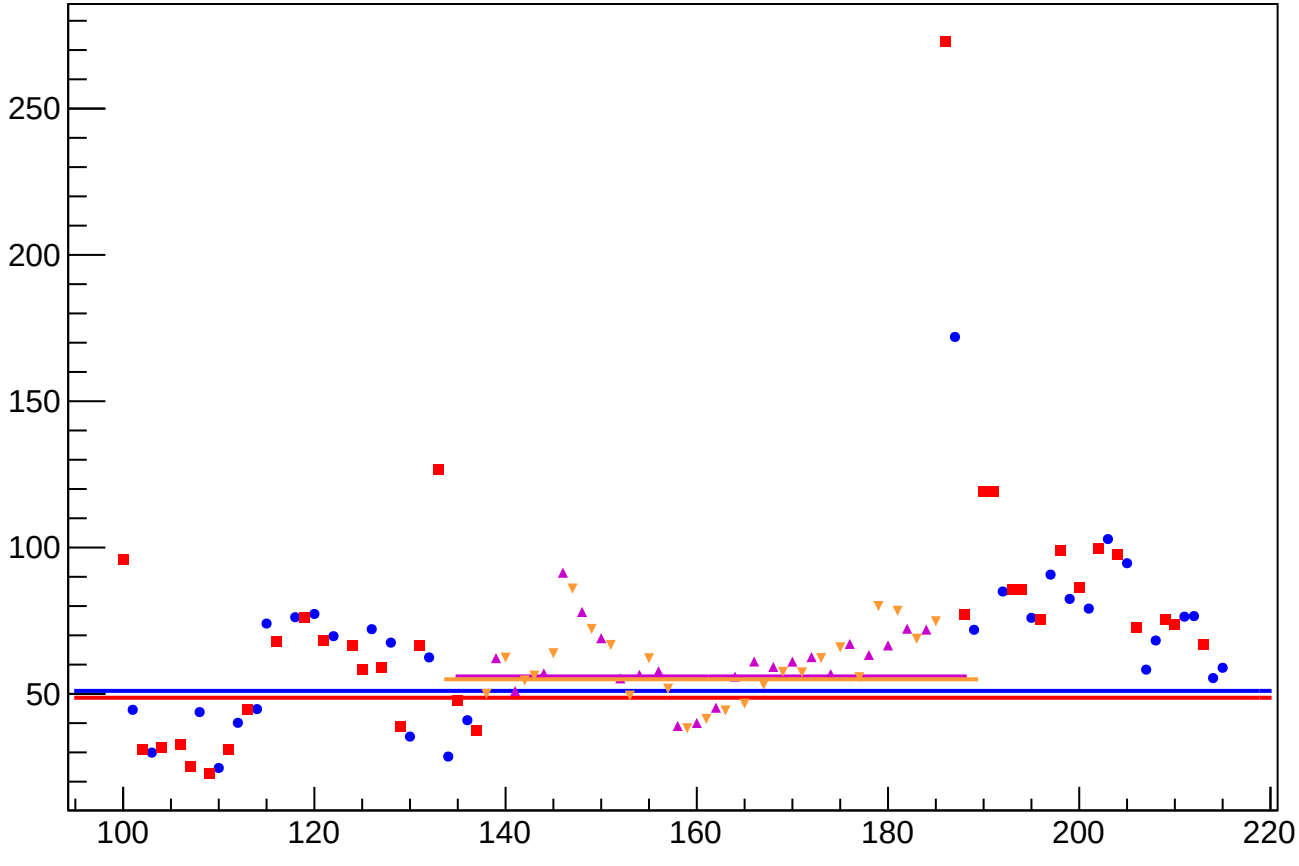
Right: 0.006+/-0.009 χ^2/NDF: 112.7/64

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.001+/-0.009 χ^2/NDF:88.2/58

All: 0.003+/-0.007 χ^2/NDF: 153.3/112

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.018+/-0.009 χ^2/NDF: 5430123.7/30

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 48.678+/-0.009 χ^2/NDF: 7618150.3/33

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

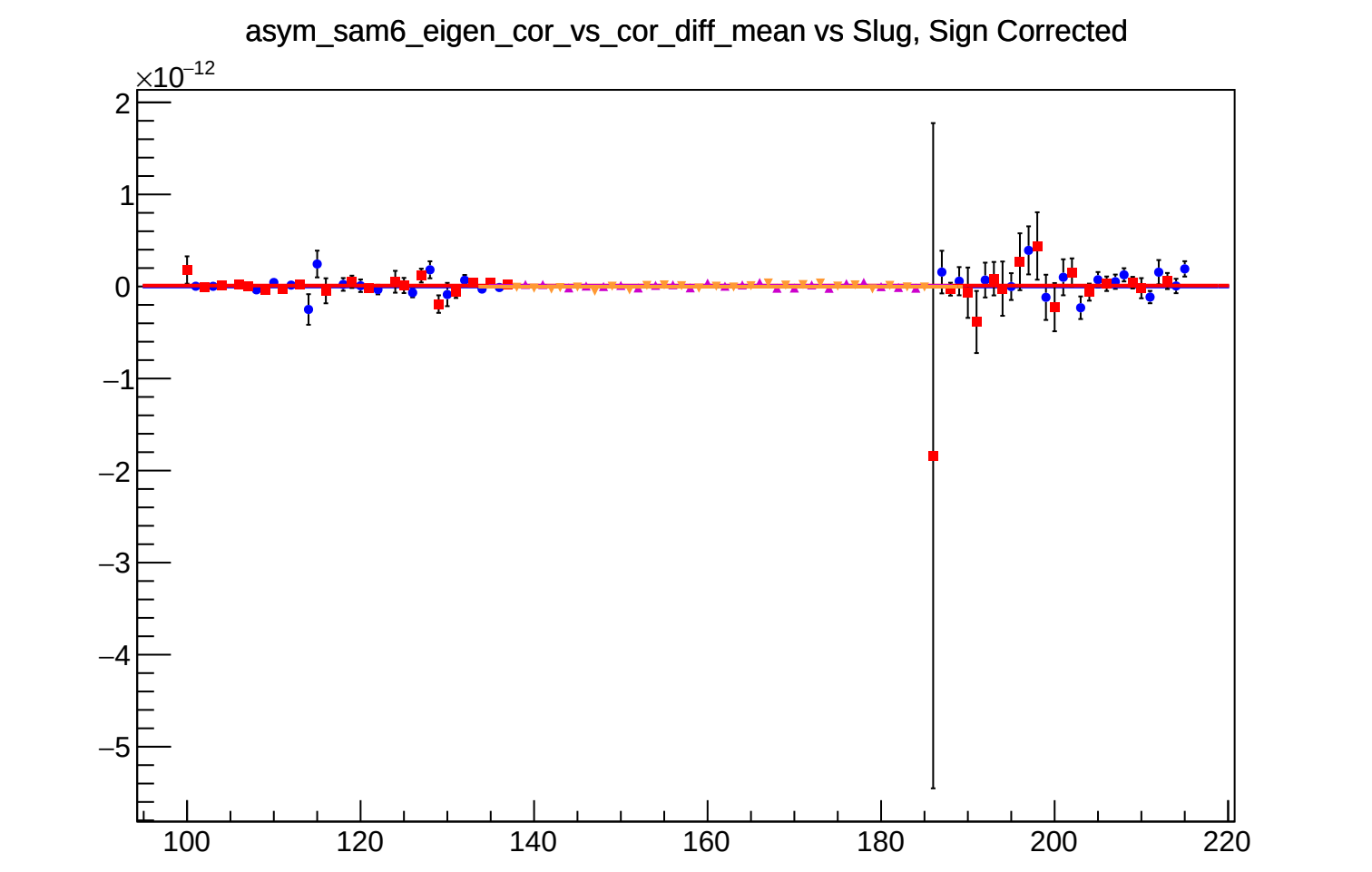
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 49.855+/-0.006 χ^2/NDF: 13081168.4/64

In: 53.363+/-0.007 χ^2/NDF:6976470.4/53

Out: 51.827+/-0.006 χ^2/NDF:9422489.3/58

All: 52.582+/-0.005 χ^2/NDF: 16426619.3/112



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/33

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

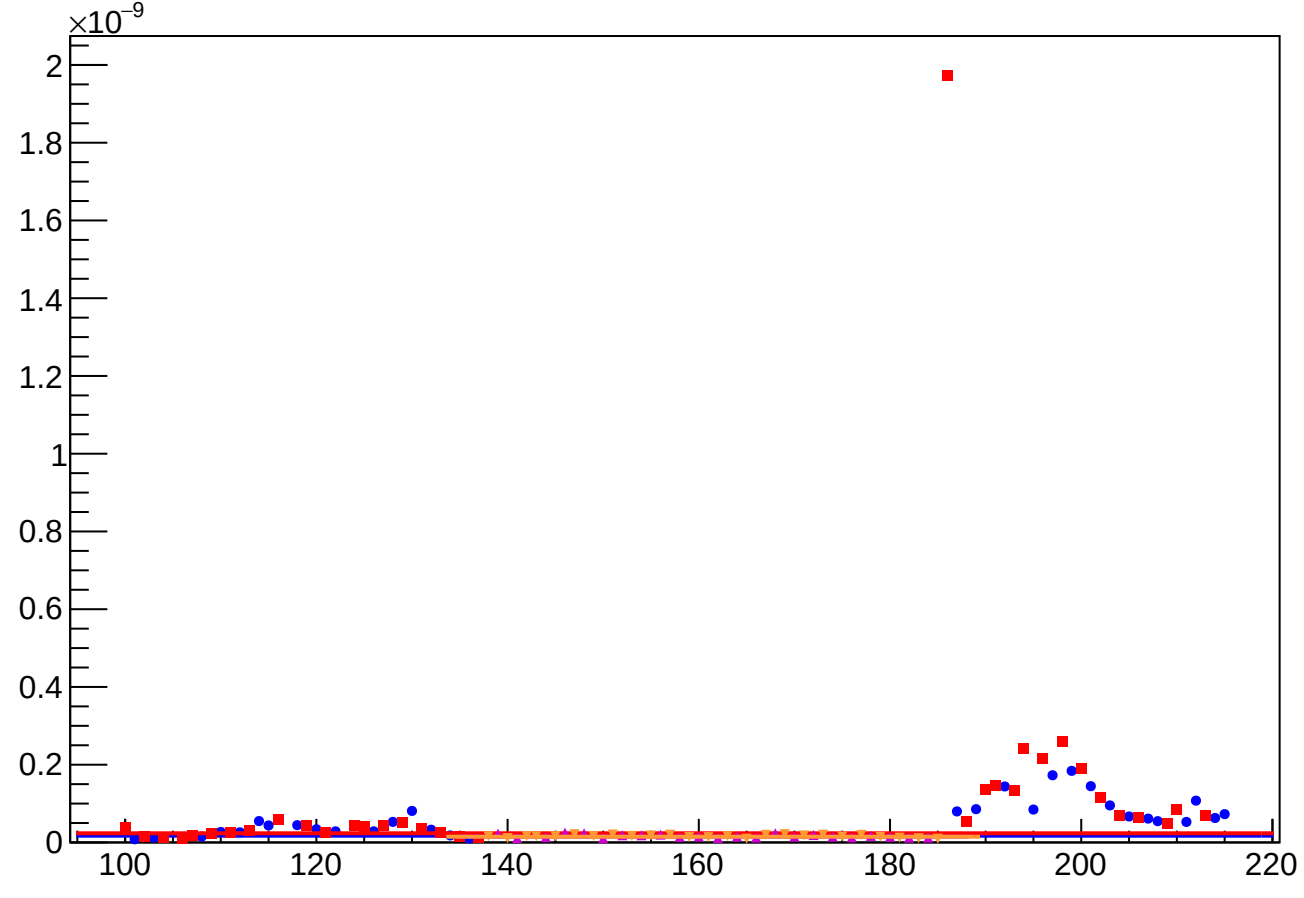
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 61.6/64

In: 0.000+/-0.000 χ^2/NDF:60.5/53

Out: -0.000+/-0.000 χ^2/NDF:43.9/58

All: 0.000+/-0.000 χ^2/NDF: 105.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 13816936.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11657543.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

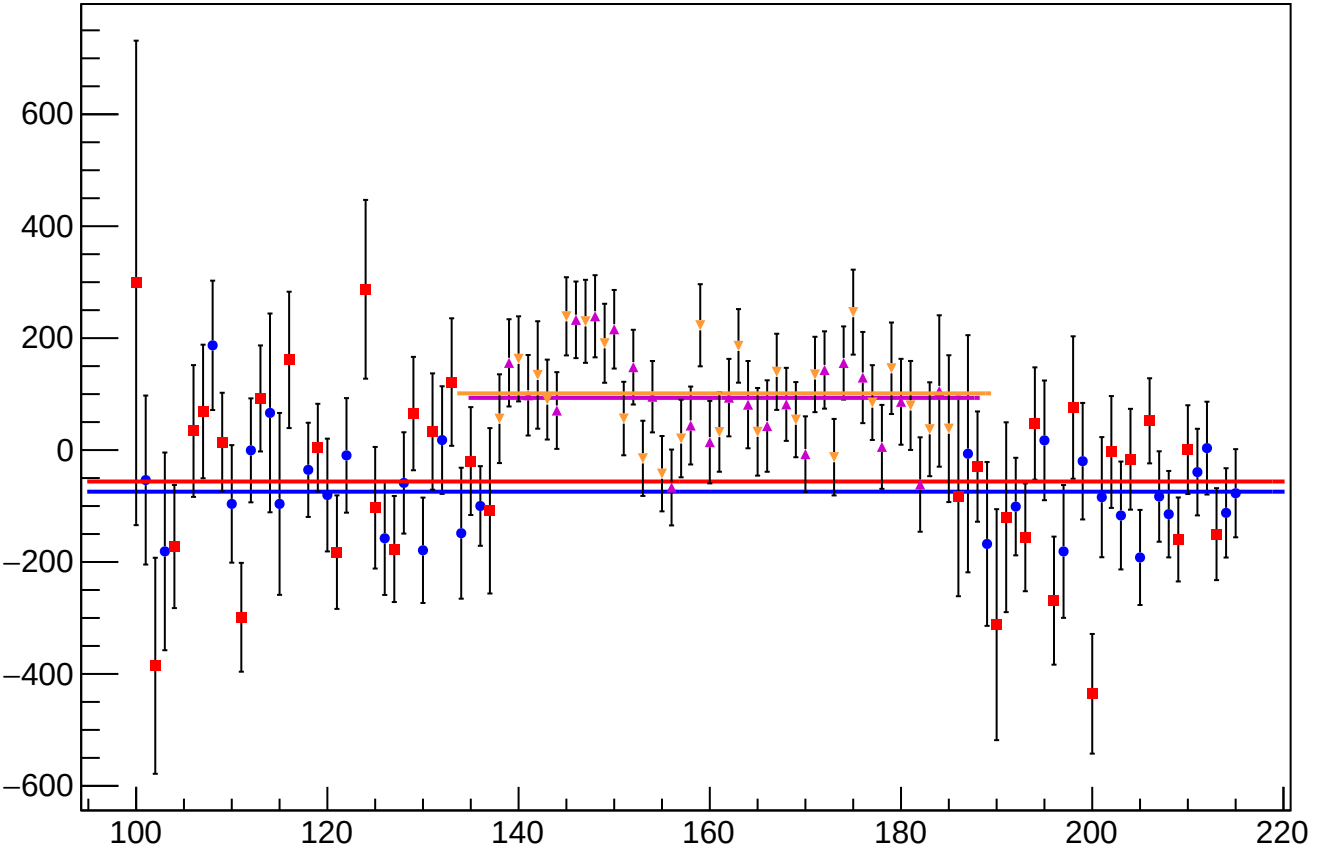
Right: 0.000+/-0.000 χ^2/NDF: 26071524.0/64

In: 0.000+/-0.000 χ^2/NDF:15434252.6/53

Out: 0.000+/-0.000 χ^2/NDF:14724985.4/58

All: 0.000+/-0.000 χ^2/NDF: 30198841.1/112

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -74.345+/-17.653 χ^2/NDF: 17.0/30

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -56.174+/-17.980 χ^2/NDF: 59.6/33

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

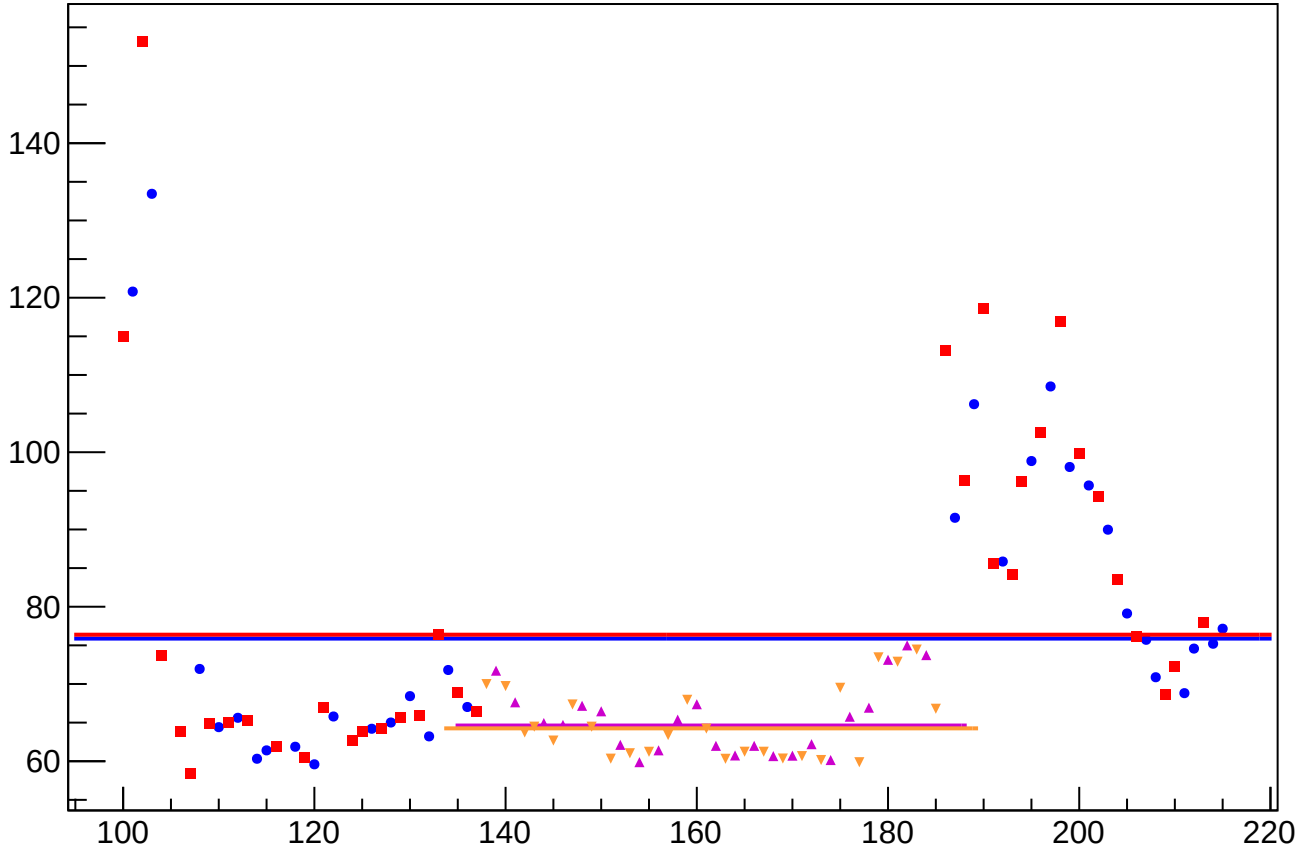
Right: -65.426+/-12.597 χ^2/NDF: 77.1/64

In: 22.233+/-11.491 χ^2/NDF:97.7/53

Out: 38.525+/-11.353 χ^2/NDF:139.6/58

All: 30.477+/-8.076 χ^2/NDF: 238.4/112

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.877+/-0.012 χ^2/NDF: 1331899.9/30

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.380+/-0.013 χ^2/NDF: 1611850.8/33

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

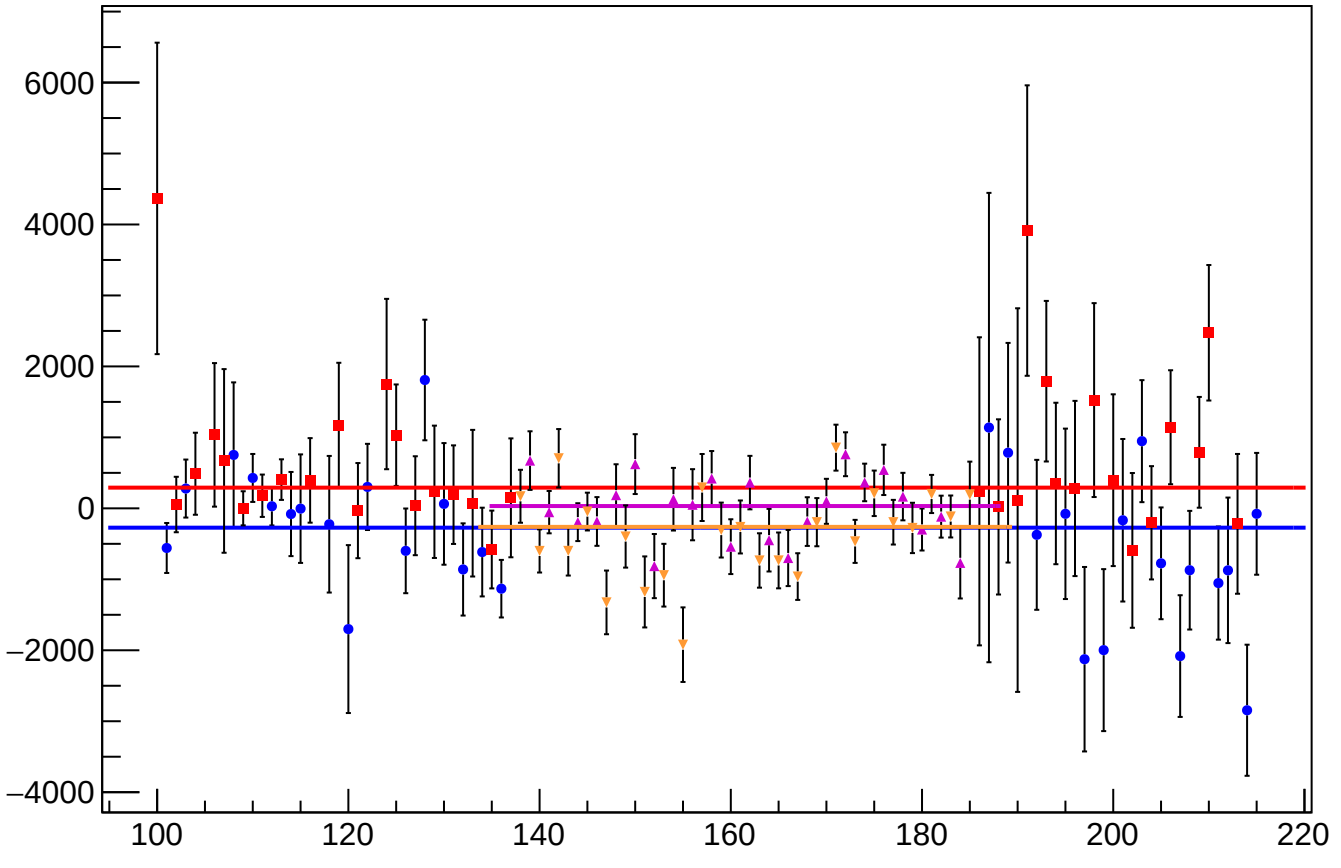
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.124+/-0.009 χ^2/NDF: 2944547.9/64

In: 69.390+/-0.008 χ^2/NDF:1947674.7/53

Out: 69.090+/-0.008 χ^2/NDF:2336370.2/58

All: 69.238+/-0.006 χ^2/NDF: 4284735.9/112



Right In: -272.375+/-113.144 χ^2/NDF: 45.2/30

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 291.753+/-108.795 χ^2/NDF: 26.7/33

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

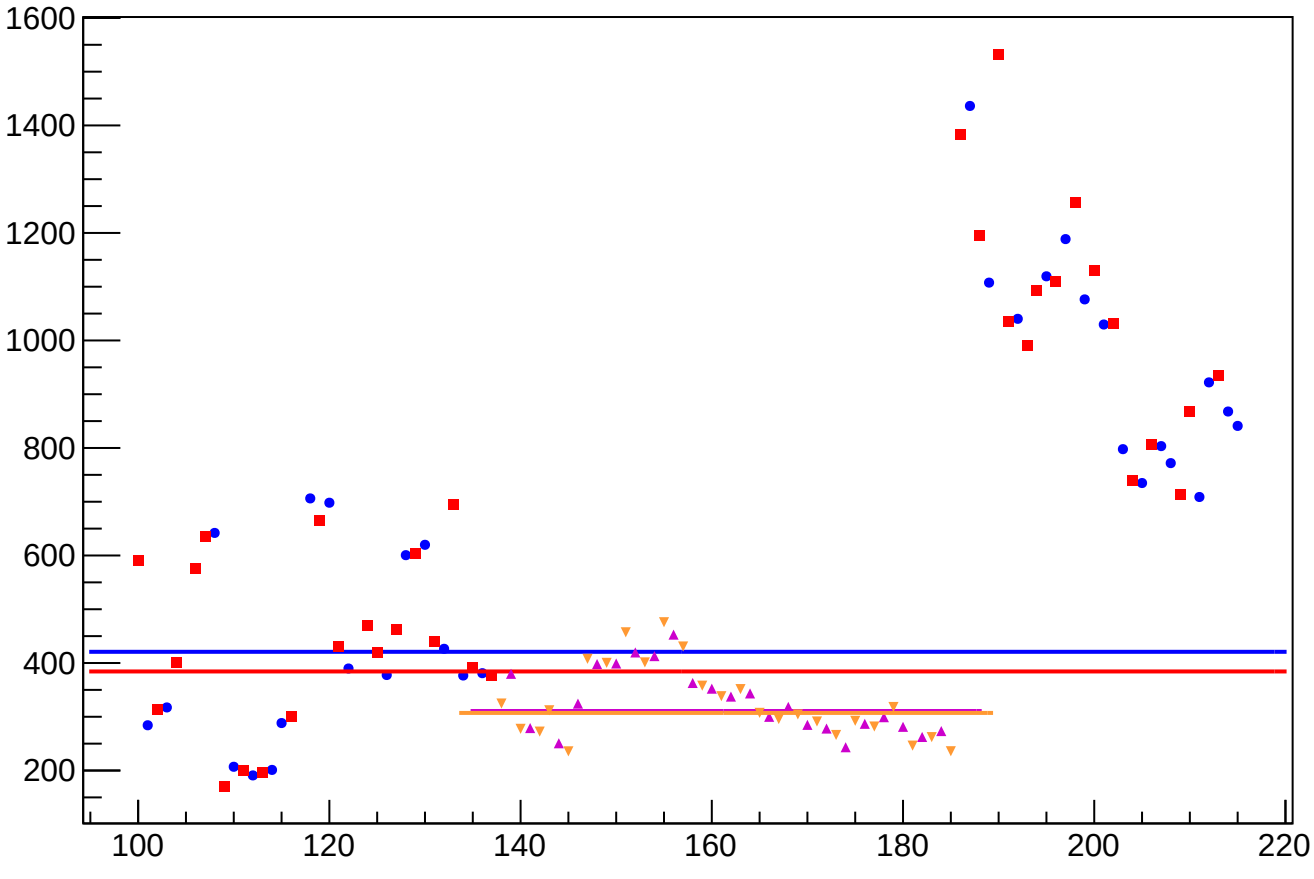
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 20.740+/-78.422 χ^2/NDF: 84.8/64

In: -58.613+/-61.835 χ^2/NDF:82.0/53

Out: -95.113+/-59.616 χ^2/NDF:103.6/58

All: -77.530+/-42.918 χ^2/NDF: 185.8/112



Right In: 420.826+/-0.080 χ^2/NDF: 10644600.7/30

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 384.284+/-0.077 χ^2/NDF: 12659965.8/33

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

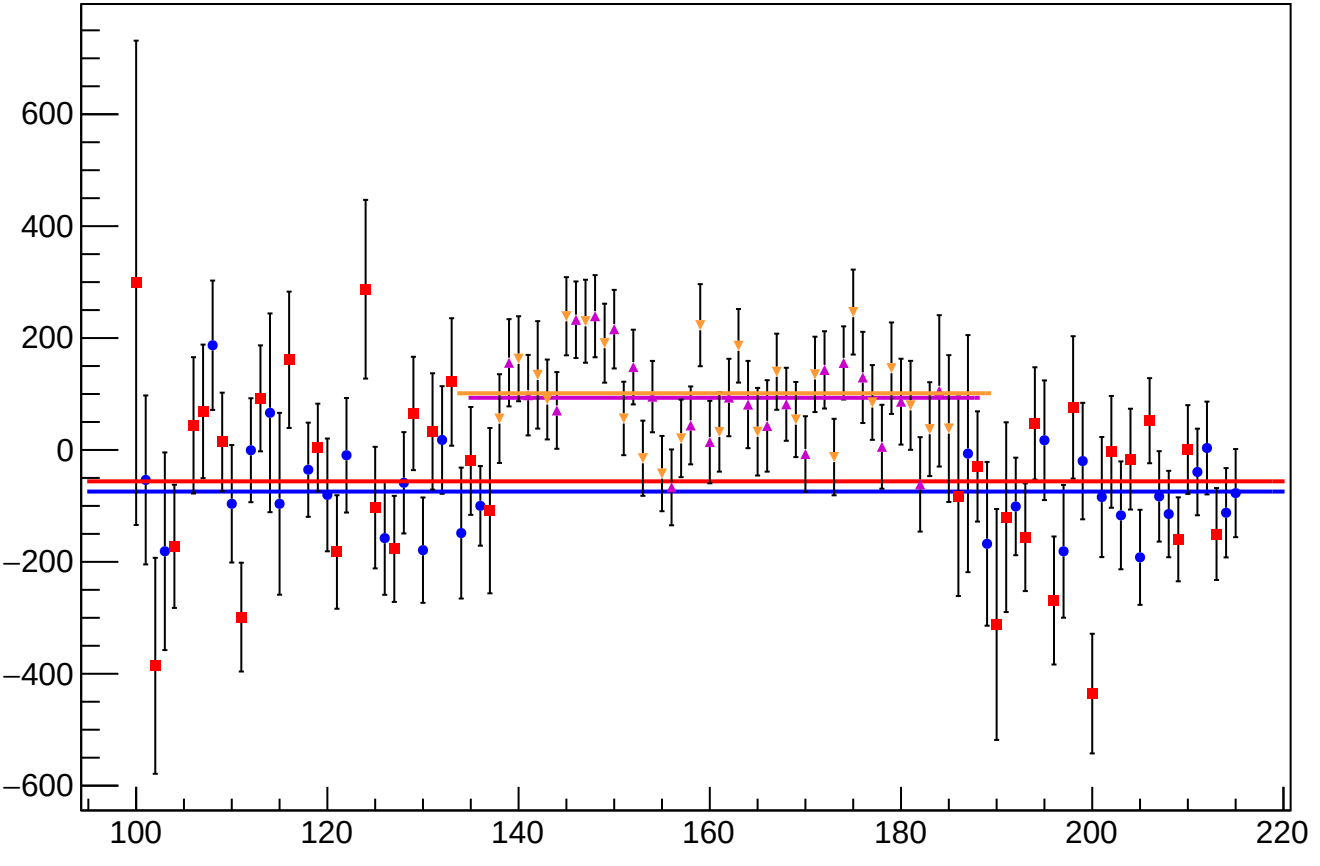
Right: 401.839+/-0.055 χ^2/NDF: 23412963.4/64

In: 343.590+/-0.044 χ^2/NDF:13052953.2/53

Out: 330.306+/-0.042 χ^2/NDF:14683699.4/58

All: 336.706+/-0.030 χ^2/NDF: 27784492.9/1

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -74.347+/-17.653 χ^2/NDF: 17.0/30

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -56.095+/-17.994 χ^2/NDF: 59.7/33

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

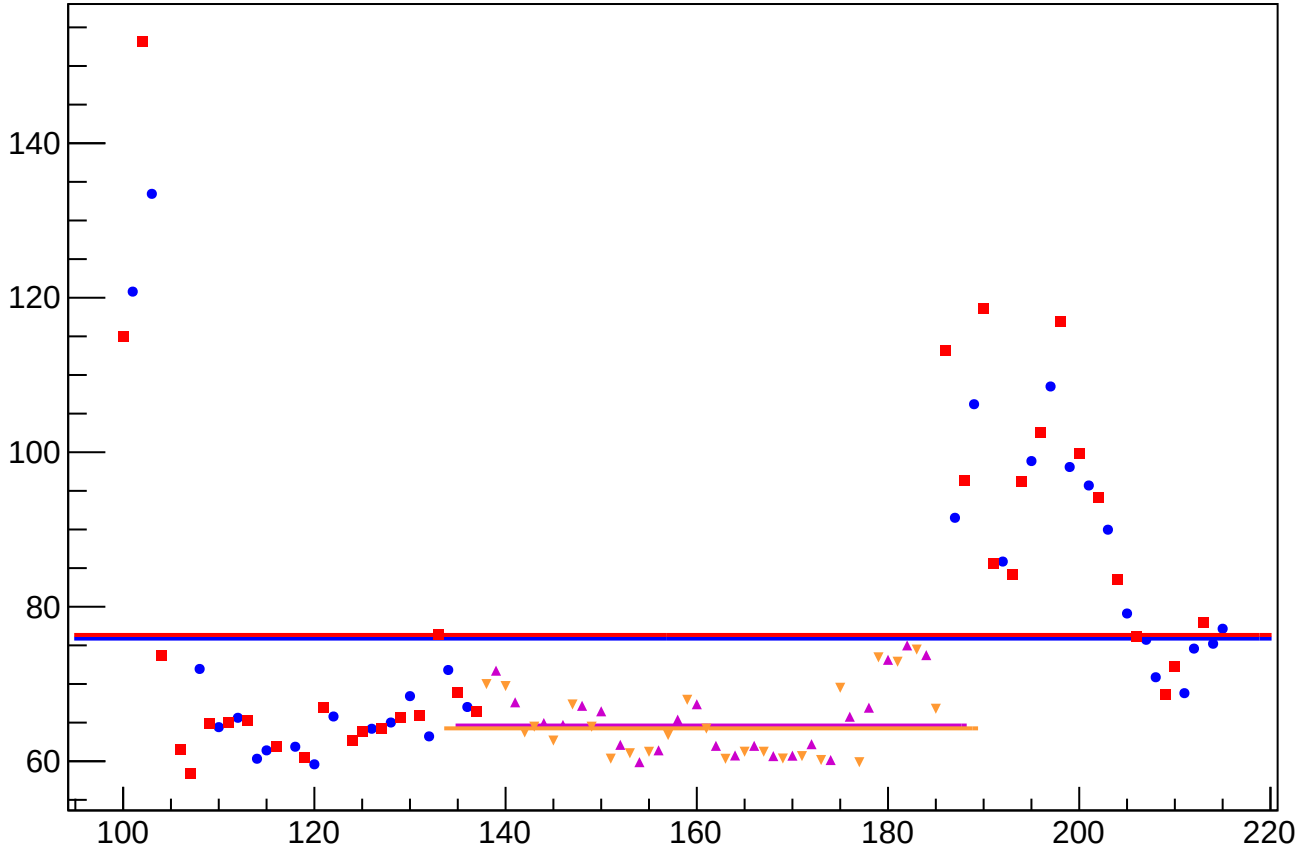
Right: -65.395+/-12.601 χ^2/NDF: 77.2/64

In: 22.231+/-11.491 χ^2/NDF:97.7/53

Out: 38.615+/-11.357 χ^2/NDF:139.6/58

All: 30.519+/-8.077 χ^2/NDF: 238.4/112

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.877+/-0.012 χ^2/NDF: 1331900.2/30

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.348+/-0.013 χ^2/NDF: 1619081.7/33

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

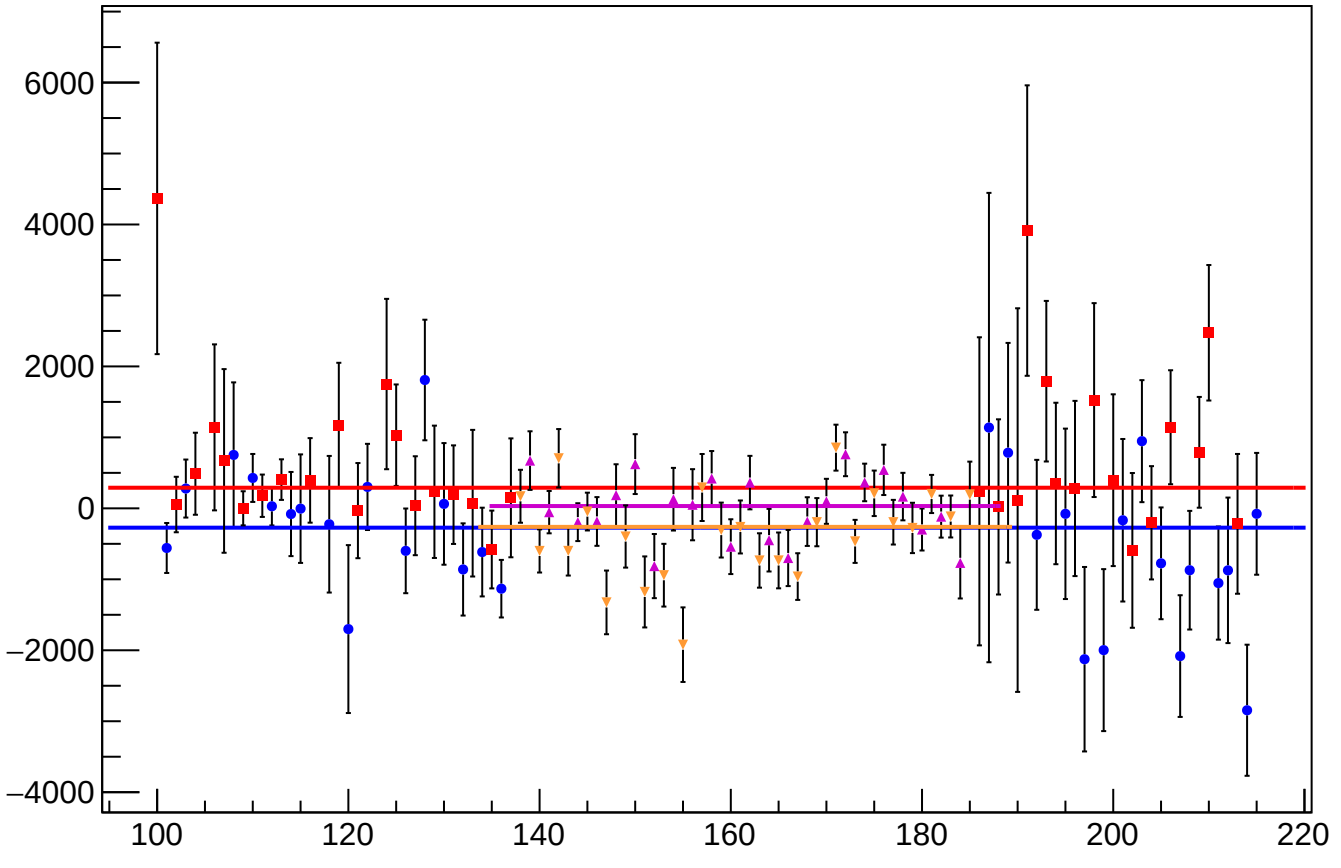
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.108+/-0.009 χ^2/NDF: 2951679.3/64

In: 69.390+/-0.008 χ^2/NDF:1947675.0/53

Out: 69.073+/-0.008 χ^2/NDF:2340181.7/58

All: 69.230+/-0.006 χ^2/NDF: 4288629.8/112



Right In: -272.373+/-113.145 χ^2/NDF: 45.2/30

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 290.507+/-108.958 χ^2/NDF: 26.7/33

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

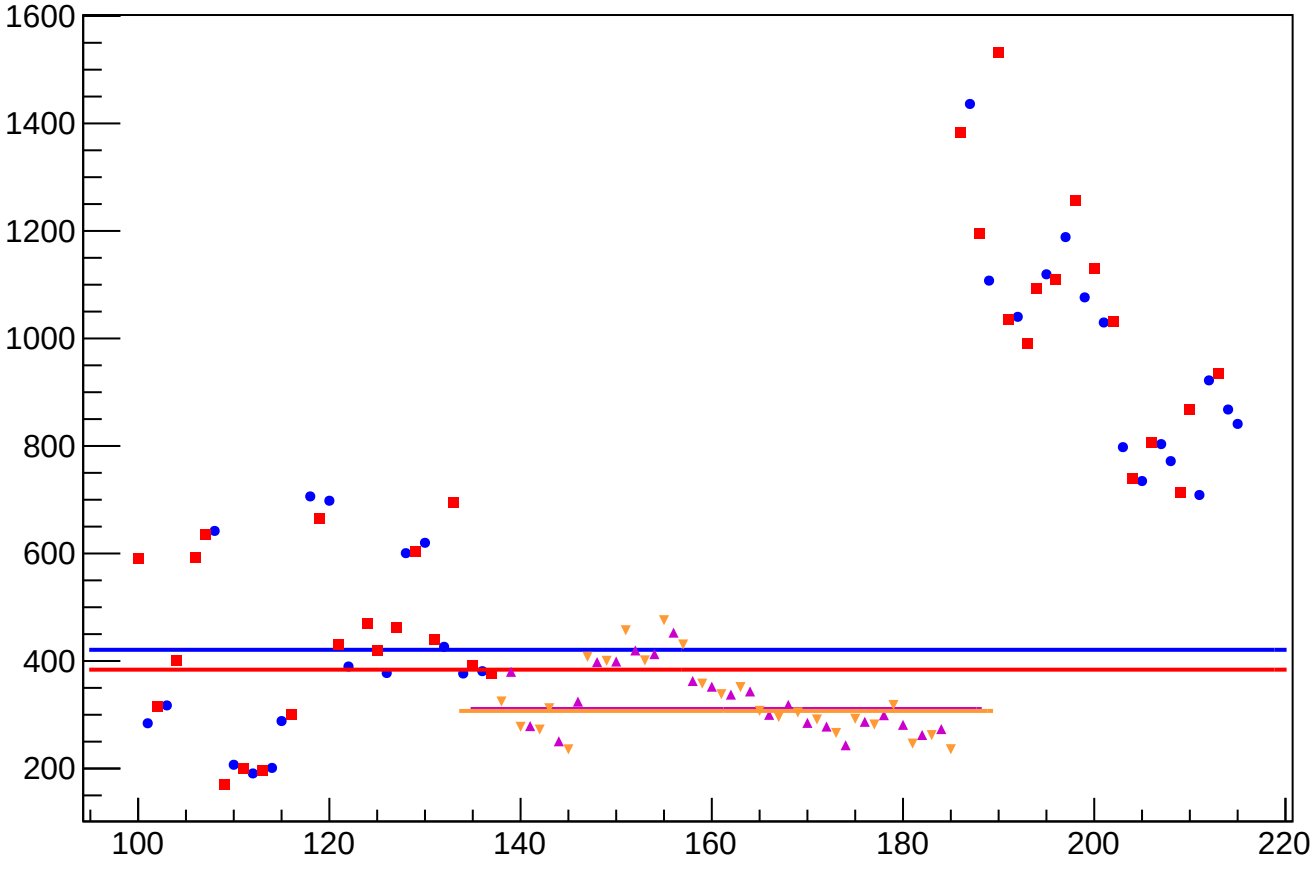
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

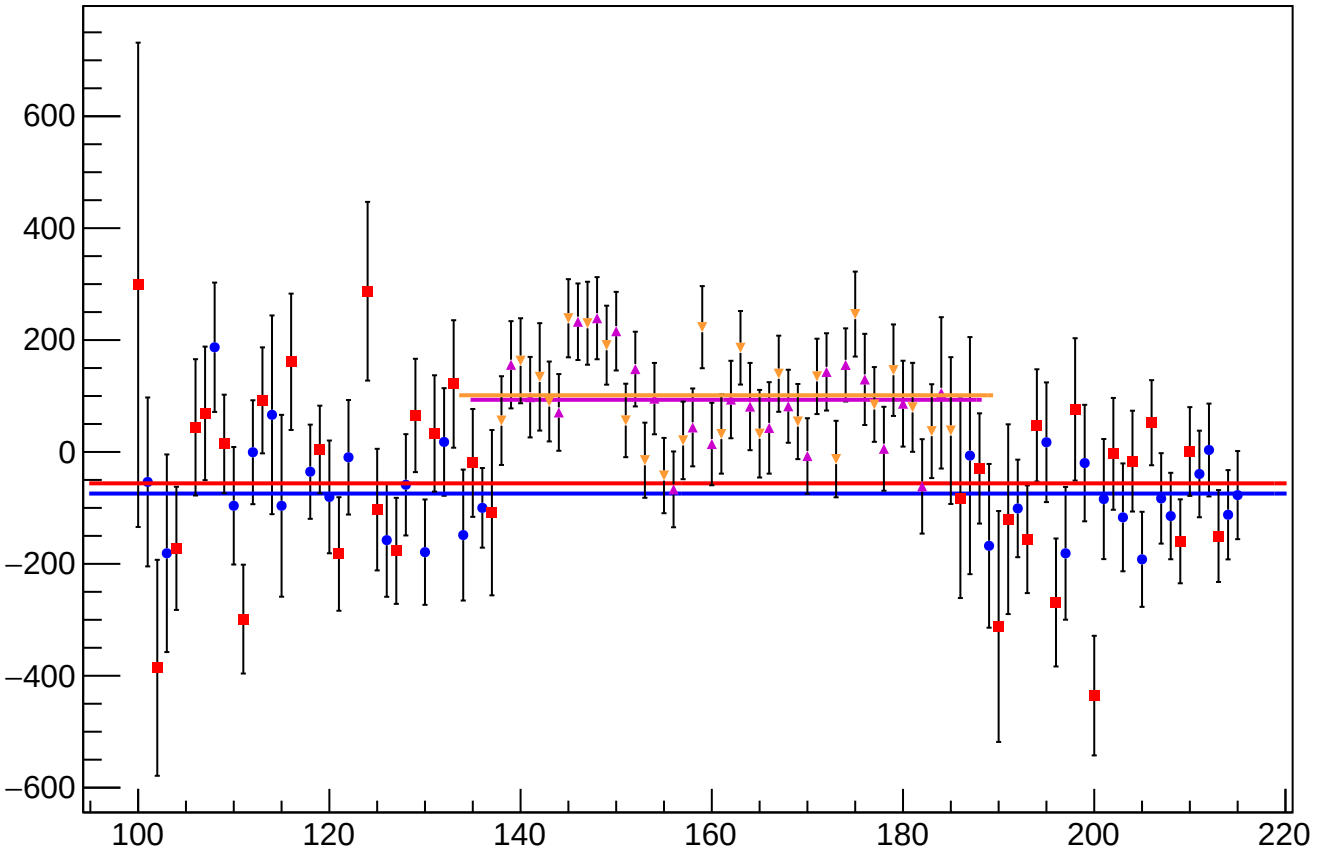
Right: 19.675+/-78.483 χ^2/NDF: 84.8/64

In: -58.614+/-61.835 χ^2/NDF:82.0/53

Out: -95.834+/-59.643 χ^2/NDF:103.5/58

All: -77.896+/-42.928 χ^2/NDF: 185.7/112


asym_sam7_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 420.829+/-0.080 χ²/NDF: 10644530.6/30
Left Out: 307.143+/-0.050 χ²/NDF:1320147.4/24
Right Out: 383.897+/-0.077 χ²/NDF: 12652097.4/33
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 401.667+/-0.055 χ²/NDF: 23407189.2/64
In: 343.591+/-0.044 χ²/NDF:13052938.6/53
Out: 330.142+/-0.042 χ²/NDF:14667328.6/58
All: 336.624+/-0.030 χ²/NDF: 27769283.6/1



Right In: -74.347+/-17.653 χ^2/NDF: 17.0/30

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -56.095+/-17.994 χ^2/NDF: 59.7/33

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

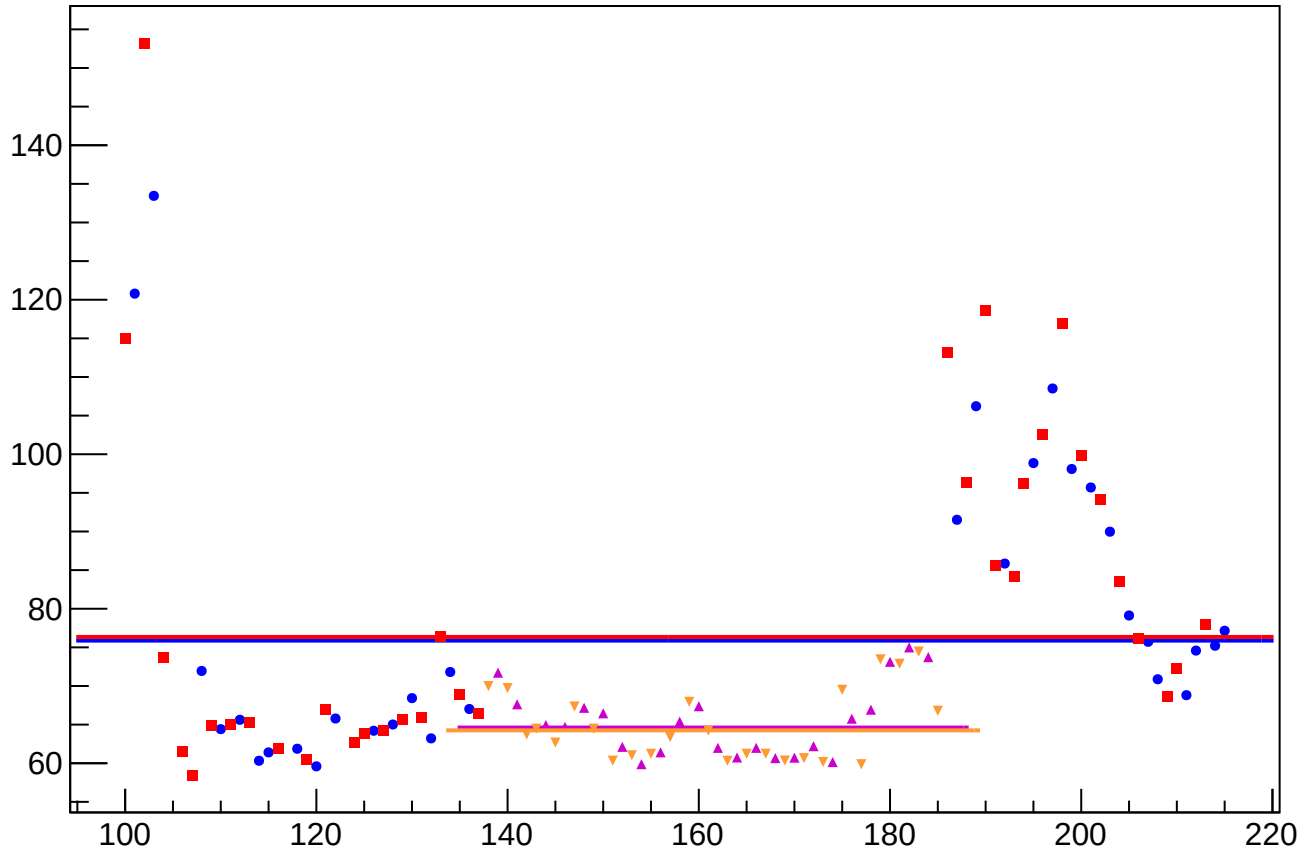
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -65.395+/-12.601 χ^2/NDF: 77.2/64

In: 22.231+/-11.491 χ^2/NDF:97.7/53

Out: 38.615+/-11.357 χ^2/NDF:139.6/58

All: 30.519+/-8.077 χ^2/NDF: 238.4/112



Right In: 75.877+/-0.012 χ^2/NDF: 1331900.2/30

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.348+/-0.013 χ^2/NDF: 1619081.7/33

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

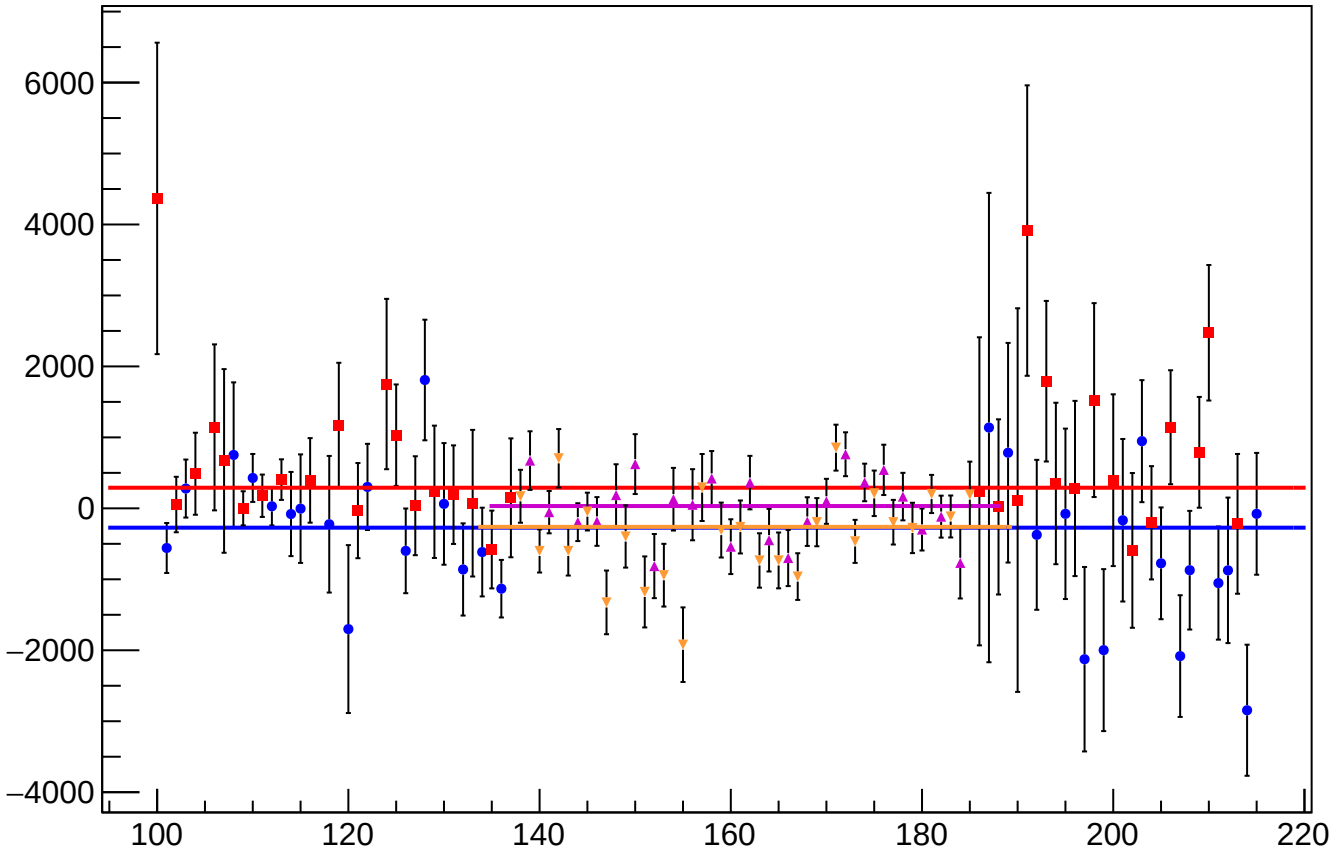
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.108+/-0.009 χ^2/NDF: 2951679.3/64

In: 69.390+/-0.008 χ^2/NDF:1947675.0/53

Out: 69.073+/-0.008 χ^2/NDF:2340181.7/58

All: 69.230+/-0.006 χ^2/NDF: 4288629.8/112



Right In: -272.373+/-113.145 χ^2/NDF: 45.2/30

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 290.507+/-108.958 χ^2/NDF: 26.7/33

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

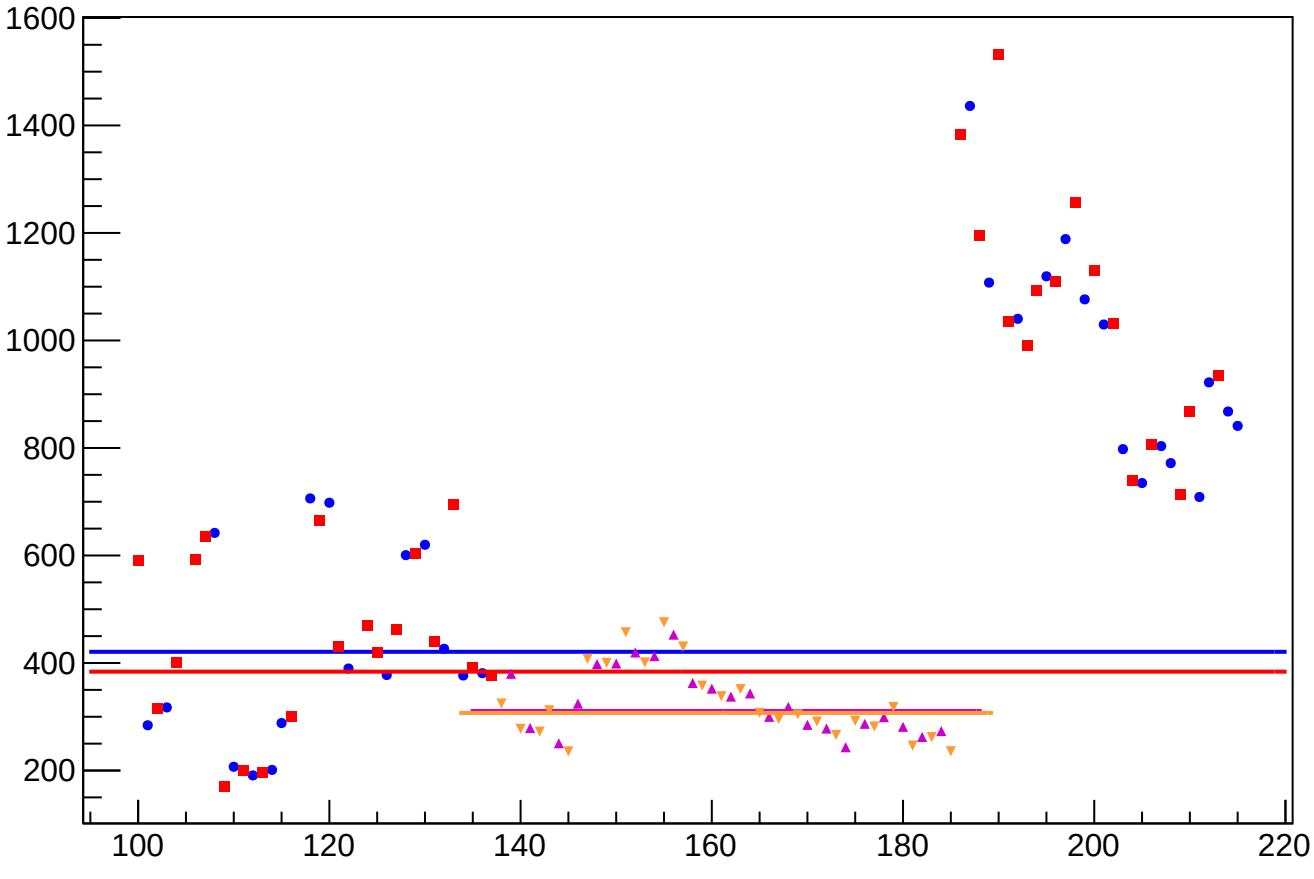
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 19.675+/-78.483 χ^2/NDF: 84.8/64

In: -58.614+/-61.835 χ^2/NDF:82.0/53

Out: -95.834+/-59.643 χ^2/NDF:103.5/58

All: -77.896+/-42.928 χ^2/NDF: 185.7/112



Right In: 420.829+/-0.080 χ^2/NDF: 10644530.6/30

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 383.897+/-0.077 χ^2/NDF: 12652097.4/33

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

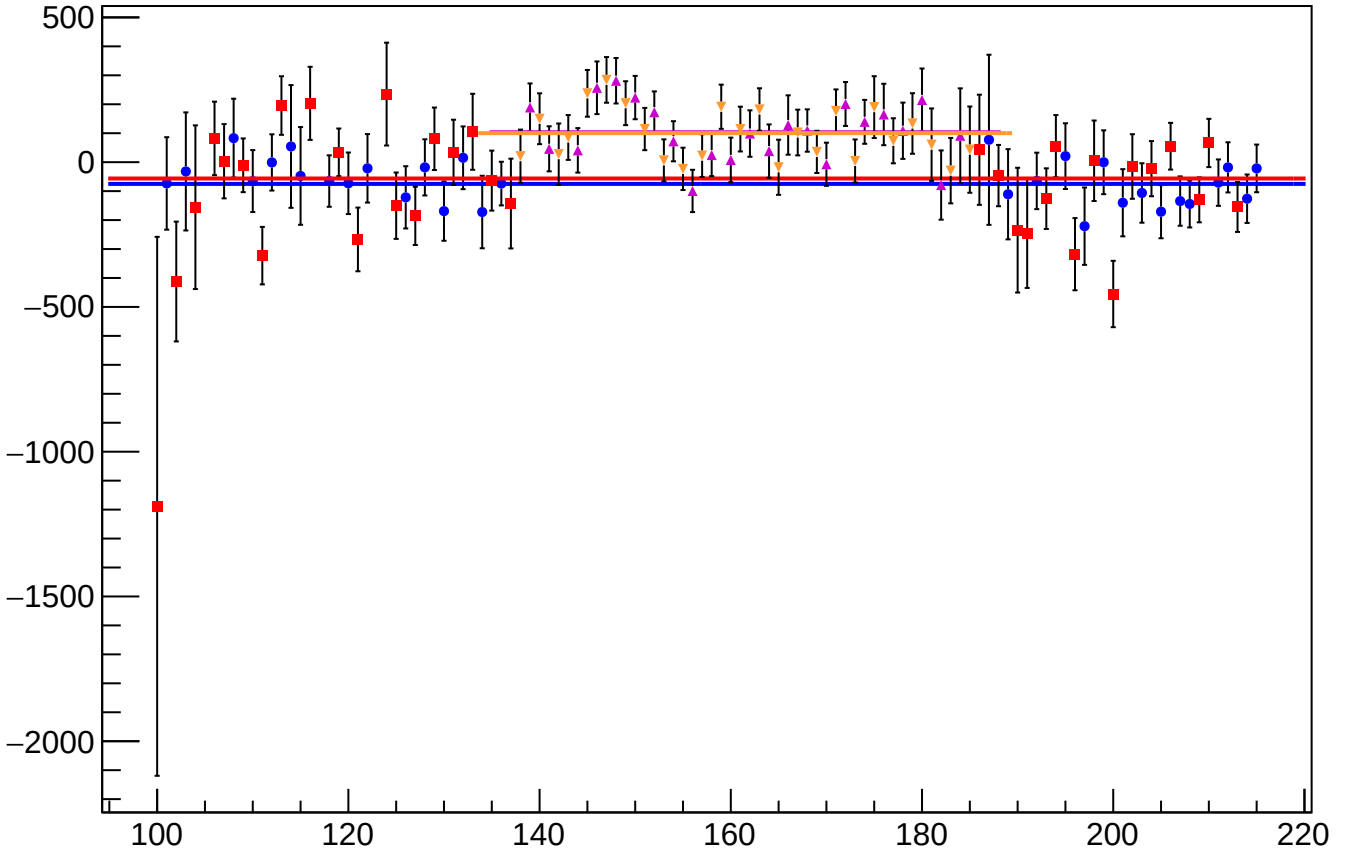
Right: 401.667+/-0.055 χ^2/NDF: 23407189.2/64

In: 343.591+/-0.044 χ^2/NDF:13052938.6/53

Out: 330.142+/-0.042 χ^2/NDF:14667328.6/58

All: 336.624+/-0.030 χ^2/NDF: 27769283.6/1

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.066+/-18.903 χ^2/NDF: 11.9/30

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -56.397+/-19.399 χ^2/NDF: 64.6/33

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

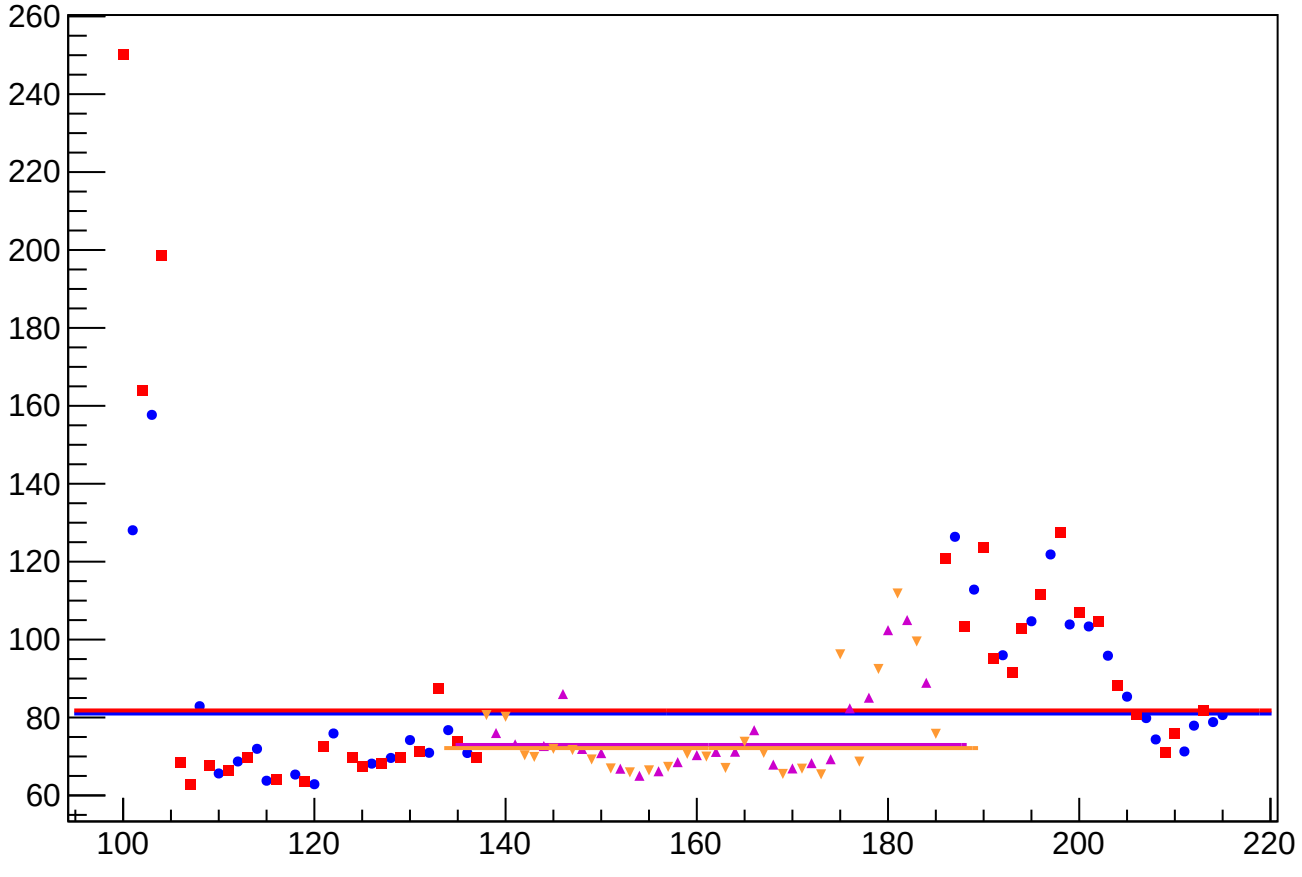
Right: -65.973+/-13.538 χ^2/NDF: 77.0/64

In: 22.238+/-12.746 χ^2/NDF:93.2/53

Out: 33.932+/-12.624 χ^2/NDF:129.9/58

All: 28.141+/-8.969 χ^2/NDF: 223.5/112

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 81.026+/-0.013 χ^2/NDF: 1505405.5/30

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.809+/-0.014 χ^2/NDF: 2126945.6/33

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

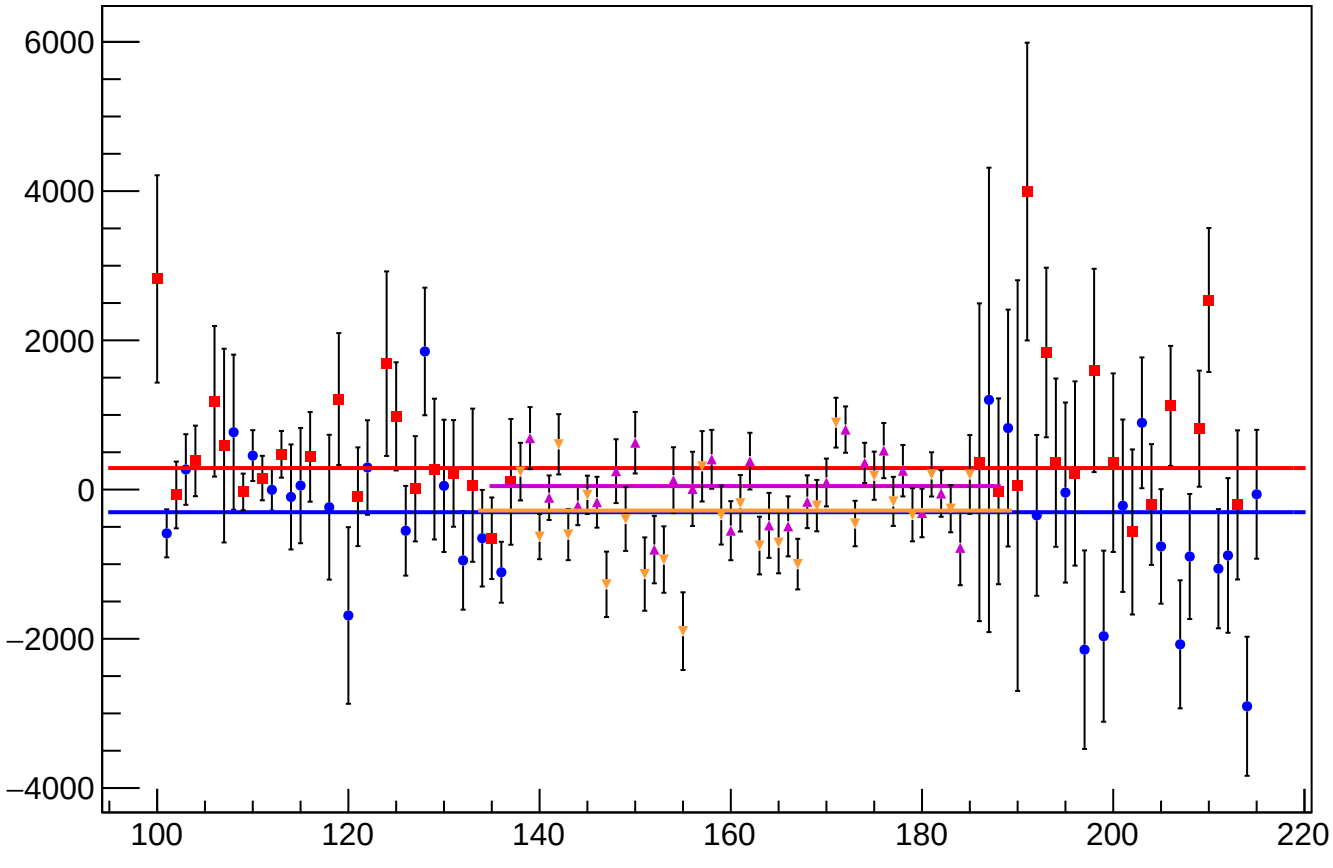
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.407+/-0.010 χ^2/NDF: 3634020.6/64

In: 76.621+/-0.009 χ^2/NDF:2213607.2/53

Out: 76.240+/-0.009 χ^2/NDF:3054800.5/58

All: 76.429+/-0.006 χ^2/NDF: 5269310.4/112



Right In: -303.430+/-115.075 χ^2/NDF: 44.7/30

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 288.119+/-110.686 χ^2/NDF: 28.5/33

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

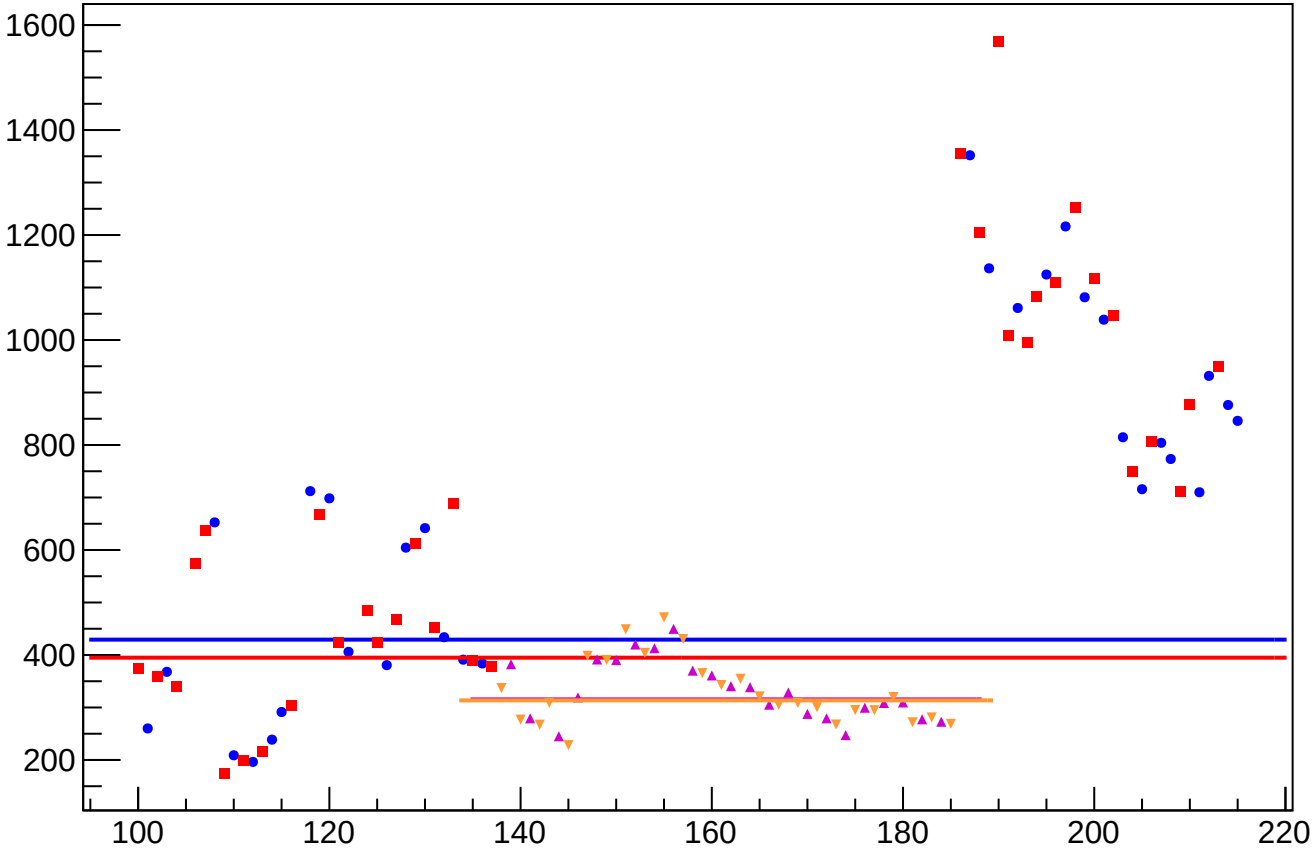
Right: 3.841+/-79.774 χ^2/NDF: 86.9/64

In: -57.577+/-62.773 χ^2/NDF:81.9/53

Out: -110.155+/-60.670 χ^2/NDF:103.9/58

All: -84.761+/-43.625 χ^2/NDF: 186.1/112

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 429.242+/-0.081 χ^2/NDF: 10501879.5/30

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 394.864+/-0.078 χ^2/NDF: 12219388.5/33

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

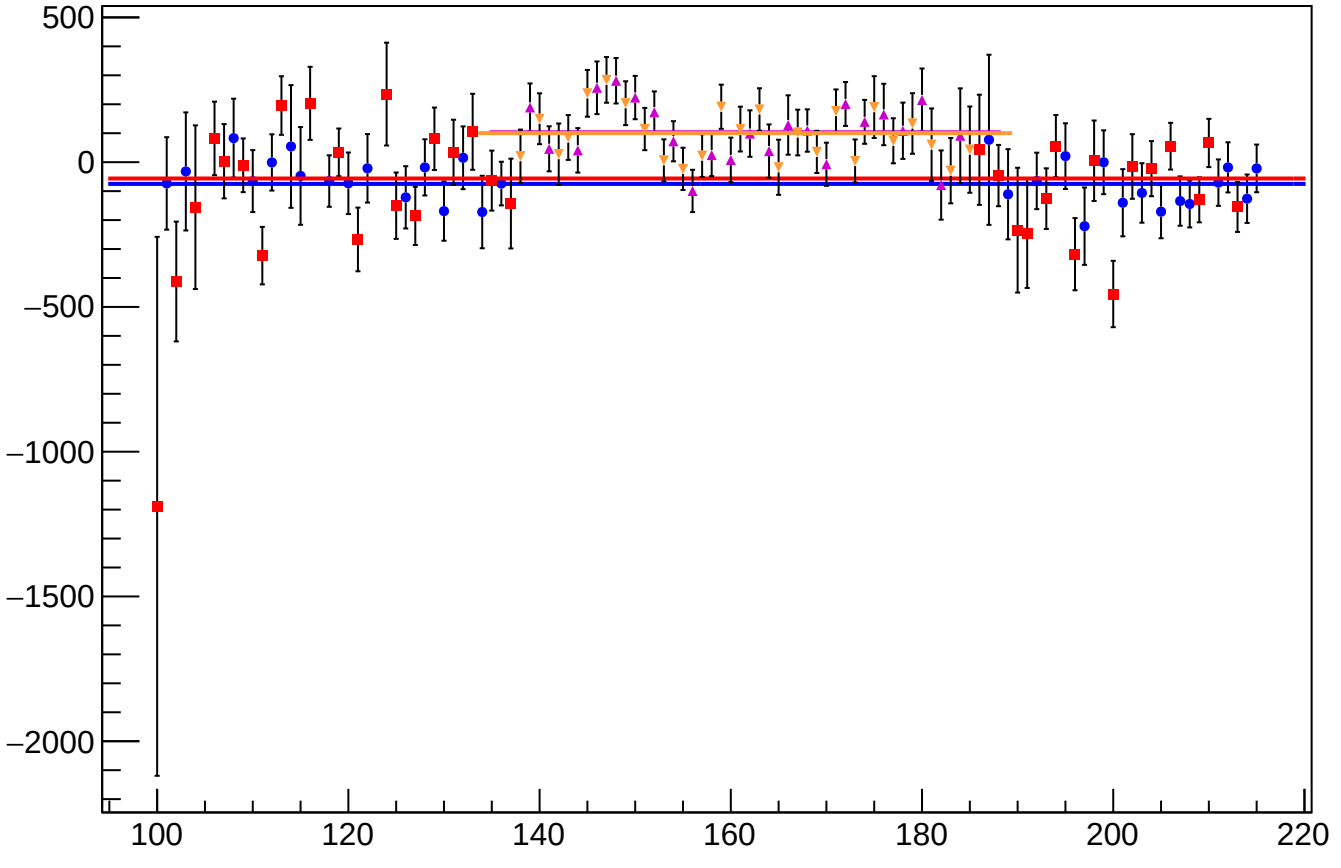
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 411.385+/-0.056 χ^2/NDF: 22813984.4/64

In: 349.314+/-0.044 χ^2/NDF:12884002.9/53

Out: 337.946+/-0.043 χ^2/NDF:14150934.9/58

All: 343.436+/-0.031 χ^2/NDF: 27068852.7/11



Right In: -75.065+/-18.903 χ^2/NDF: 11.9/30

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -56.398+/-19.399 χ^2/NDF: 64.6/33

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

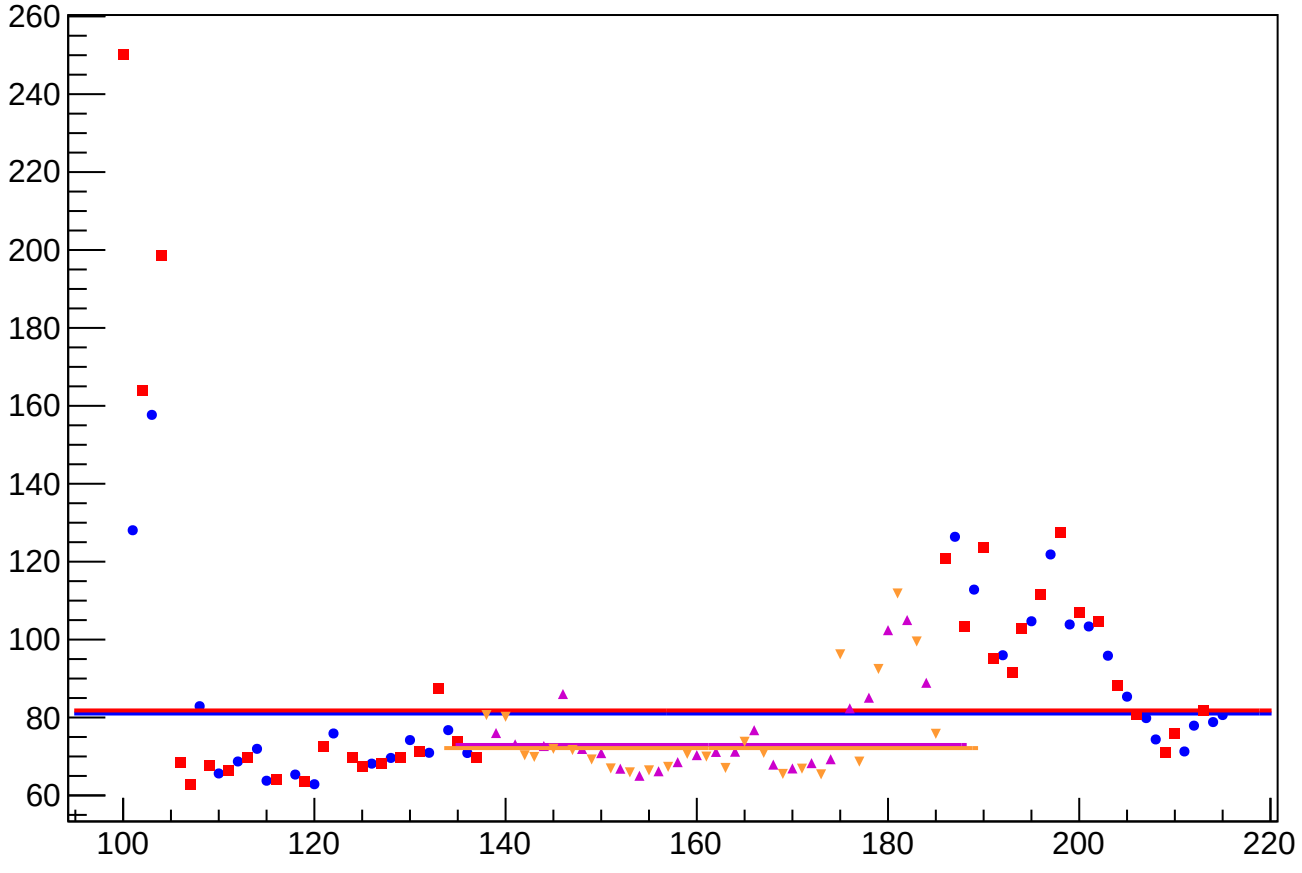
Right: -65.973+/-13.538 χ^2/NDF: 77.0/64

In: 22.238+/-12.746 χ^2/NDF:93.2/53

Out: 33.931+/-12.624 χ^2/NDF:129.9/58

All: 28.141+/-8.969 χ^2/NDF: 223.5/112

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 81.026+/-0.013 χ^2/NDF: 1505412.3/30

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.809+/-0.014 χ^2/NDF: 2126947.0/33

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

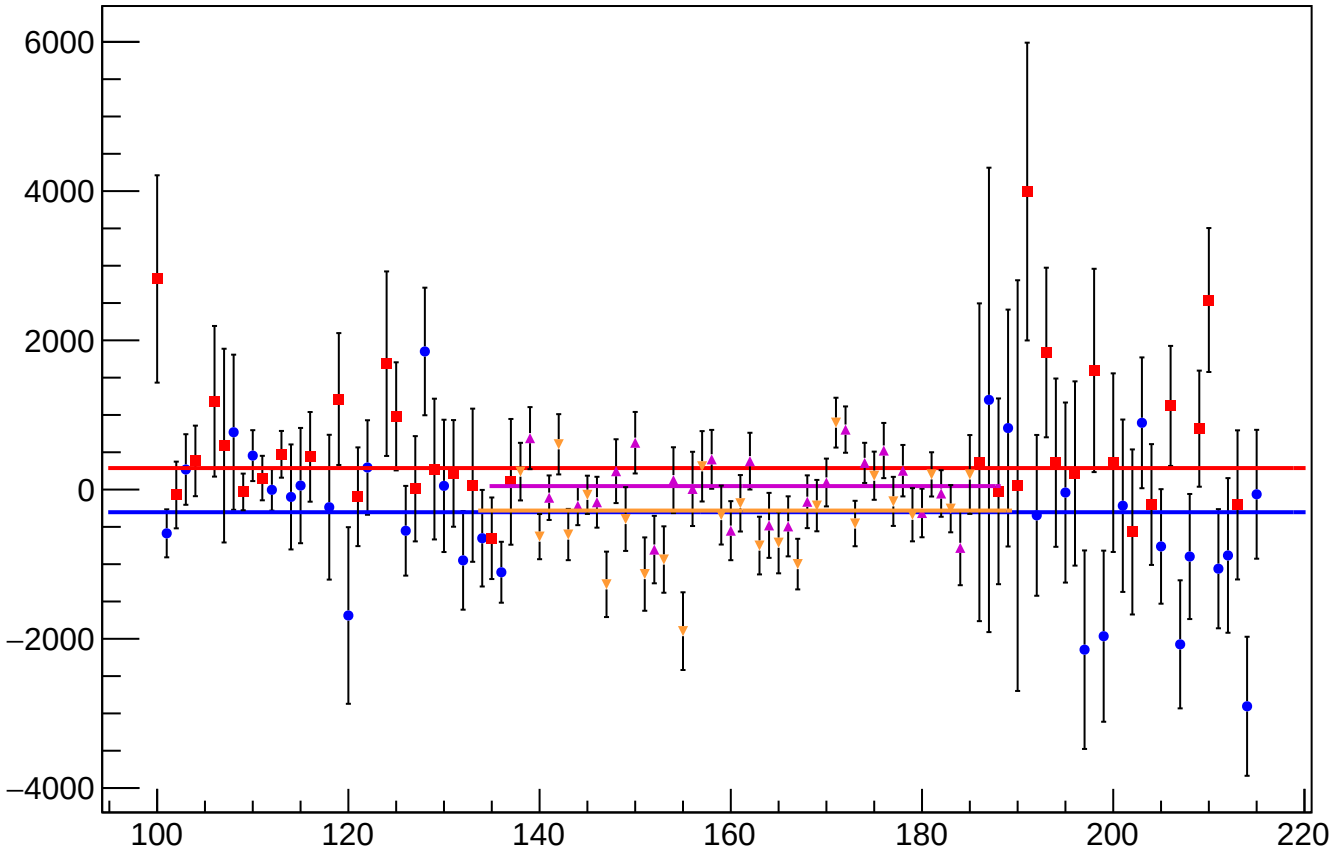
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 81.407+/-0.010 χ^2/NDF: 3634028.7/64

In: 76.621+/-0.009 χ^2/NDF:2213610.7/53

Out: 76.240+/-0.009 χ^2/NDF:3054794.5/58

All: 76.429+/-0.006 χ^2/NDF: 5269308.0/112



Right In: -303.427+/-115.075 χ^2/NDF: 44.7/30

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 288.118+/-110.686 χ^2/NDF: 28.5/33

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

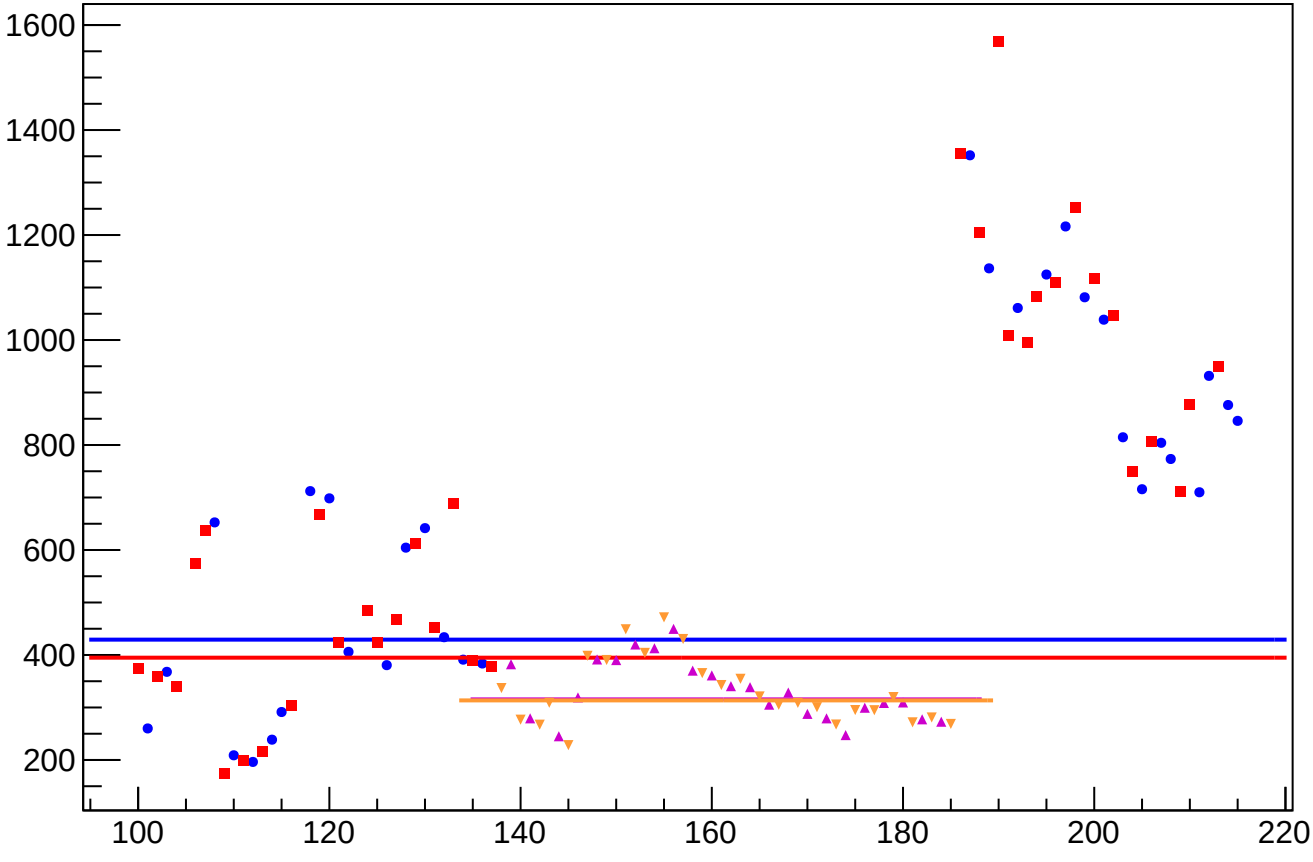
Right: 3.841+/-79.773 χ^2/NDF: 86.9/64

In: -57.577+/-62.773 χ^2/NDF:81.9/53

Out: -110.155+/-60.670 χ^2/NDF:103.9/58

All: -84.761+/-43.625 χ^2/NDF: 186.1/112

asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 429.239+/-0.081 χ^2/NDF: 10502002.6/30

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 394.862+/-0.078 χ^2/NDF: 12219453.0/33

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

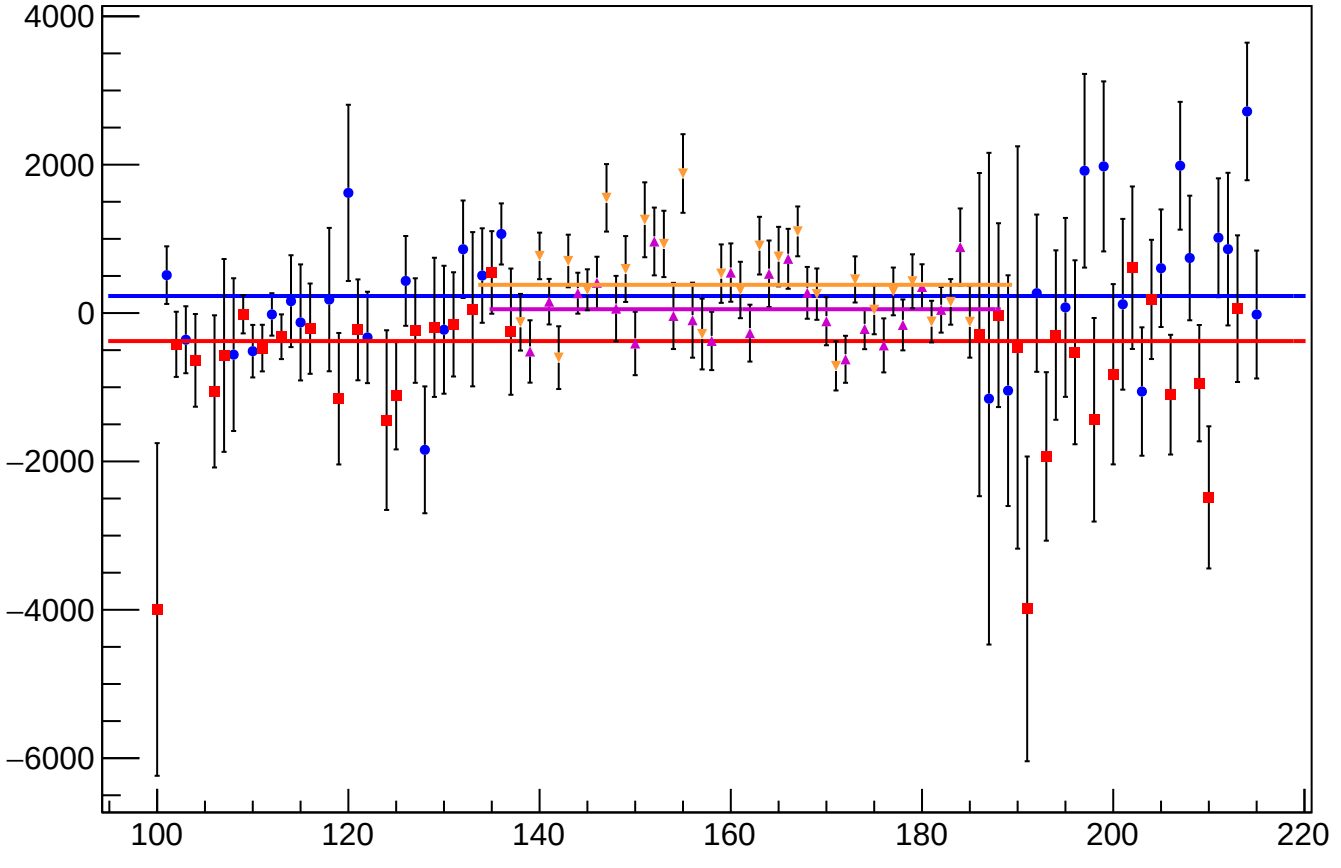
Right: 411.383+/-0.056 χ^2/NDF: 22814167.0/64

In: 349.313+/-0.044 χ^2/NDF:12884053.1/53

Out: 337.945+/-0.043 χ^2/NDF:14150970.7/58

All: 343.436+/-0.031 χ^2/NDF: 27068938.5/11

asym_sam7_mean vs Slug, Sign Corrected



Right In: 229.640+/-117.569 χ^2/NDF: 42.4/30

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -377.754+/-113.653 χ^2/NDF: 24.6/33

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

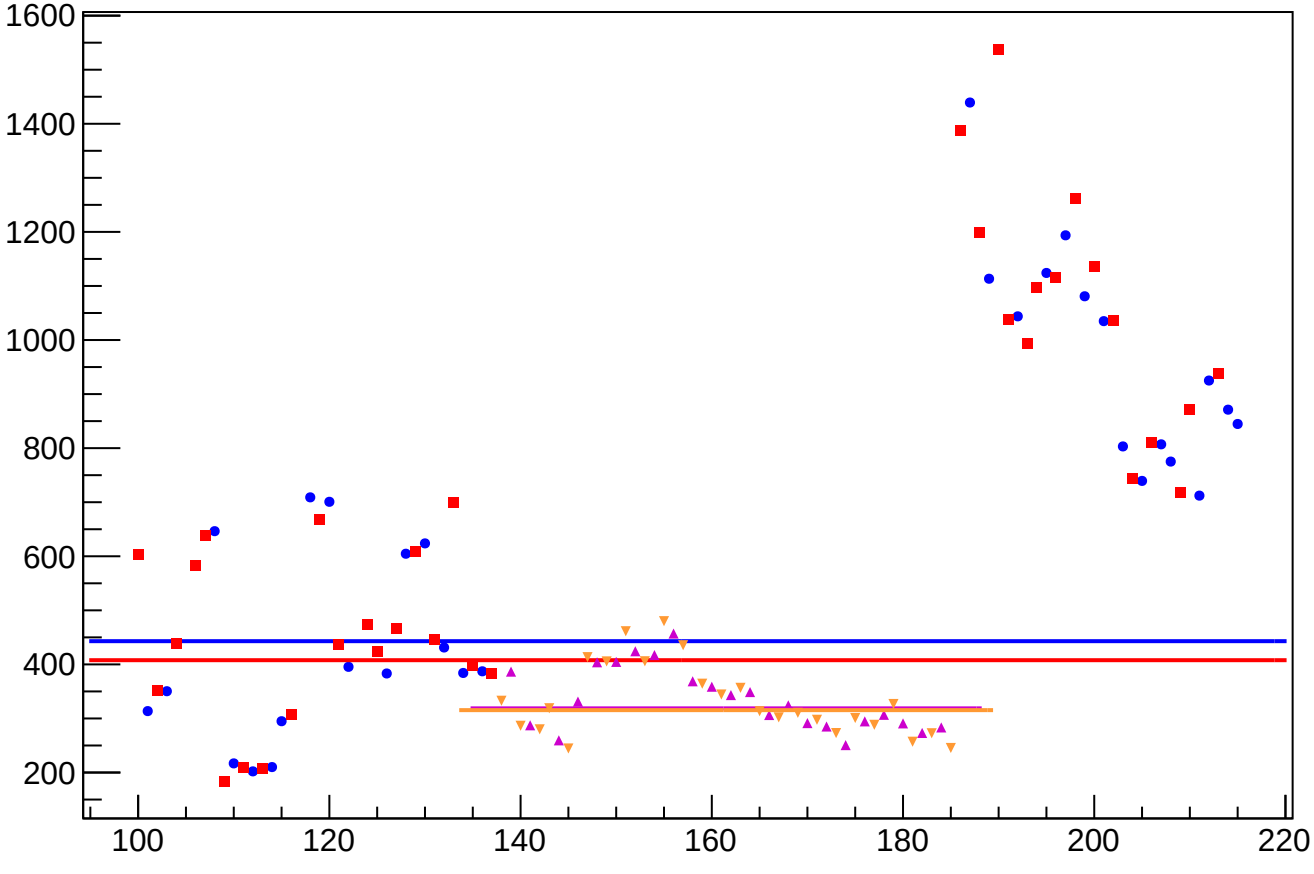
Right: -84.340+/-81.714 χ^2/NDF: 80.8/64

In: 103.621+/-63.606 χ^2/NDF:72.2/53

Out: 158.886+/-61.455 χ^2/NDF:111.6/58

All: 132.204+/-44.196 χ^2/NDF: 184.1/112

asym_sam7_rms vs Slug, Sign Corrected



Right In: 442.966+/-0.083 χ^2/NDF: 9928934.6/30

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 407.778+/-0.080 χ^2/NDF: 11900370.5/33

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

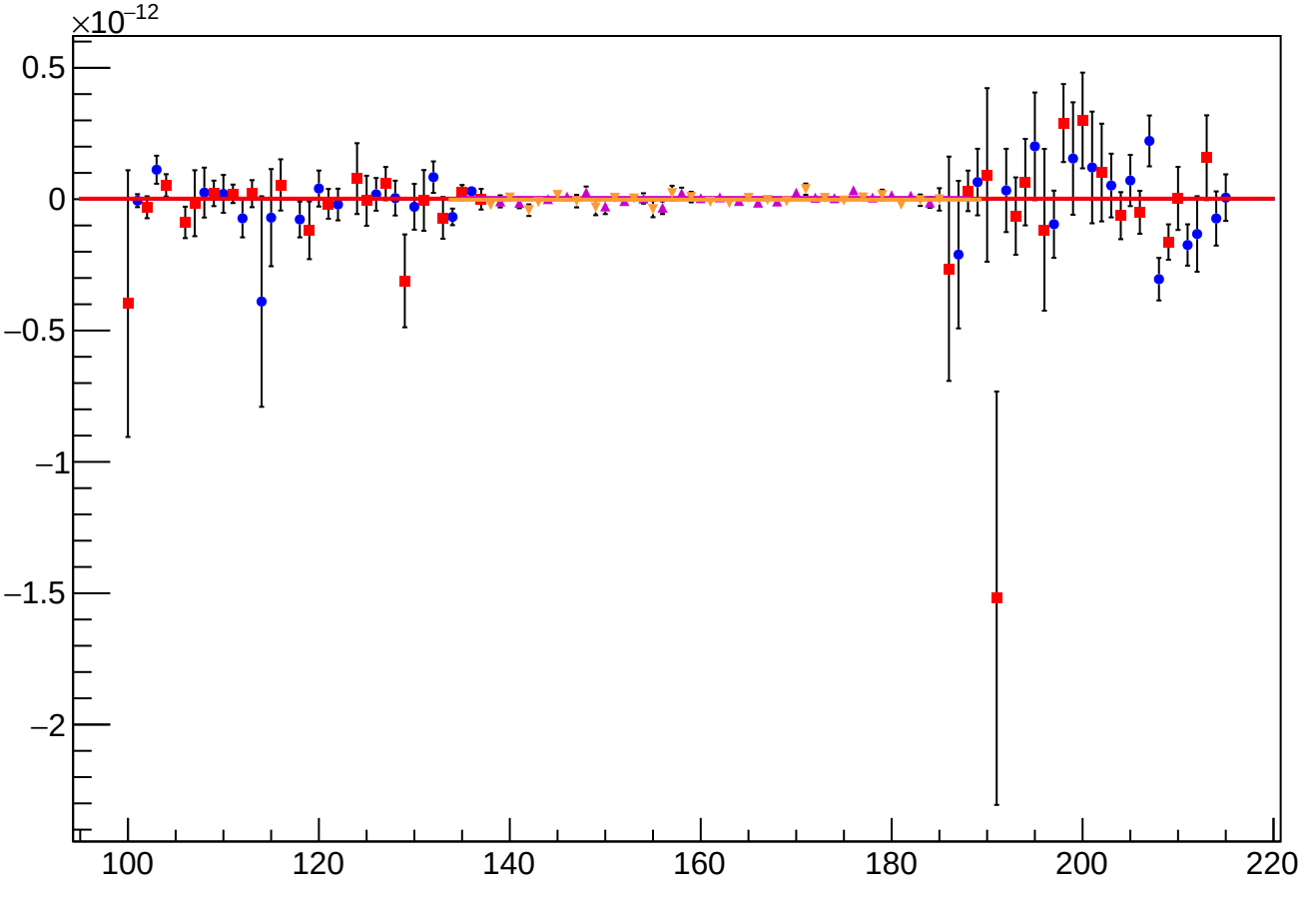
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 424.776+/-0.058 χ^2/NDF: 21921920.9/64

In: 355.063+/-0.045 χ^2/NDF:12501226.6/53

Out: 342.407+/-0.043 χ^2/NDF:14045541.8/58

All: 348.517+/-0.031 χ^2/NDF: 26587724.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 47.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/33

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

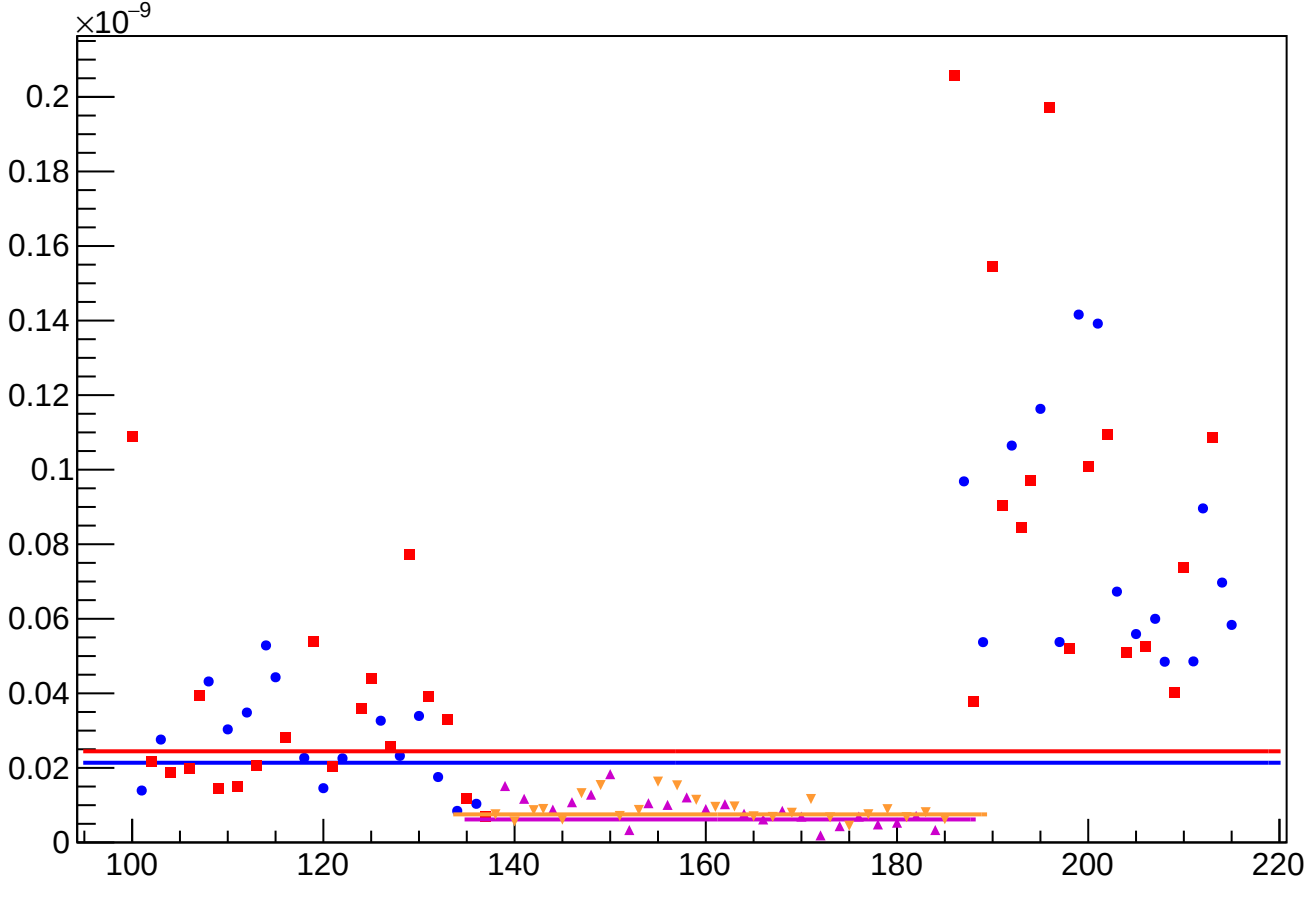
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 80.1/64

In: 0.000+/-0.000 χ^2/NDF:65.5/53

Out: -0.000+/-0.000 χ^2/NDF:51.4/58

All: 0.000+/-0.000 χ^2/NDF: 118.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 6920312.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5979761.3/33

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

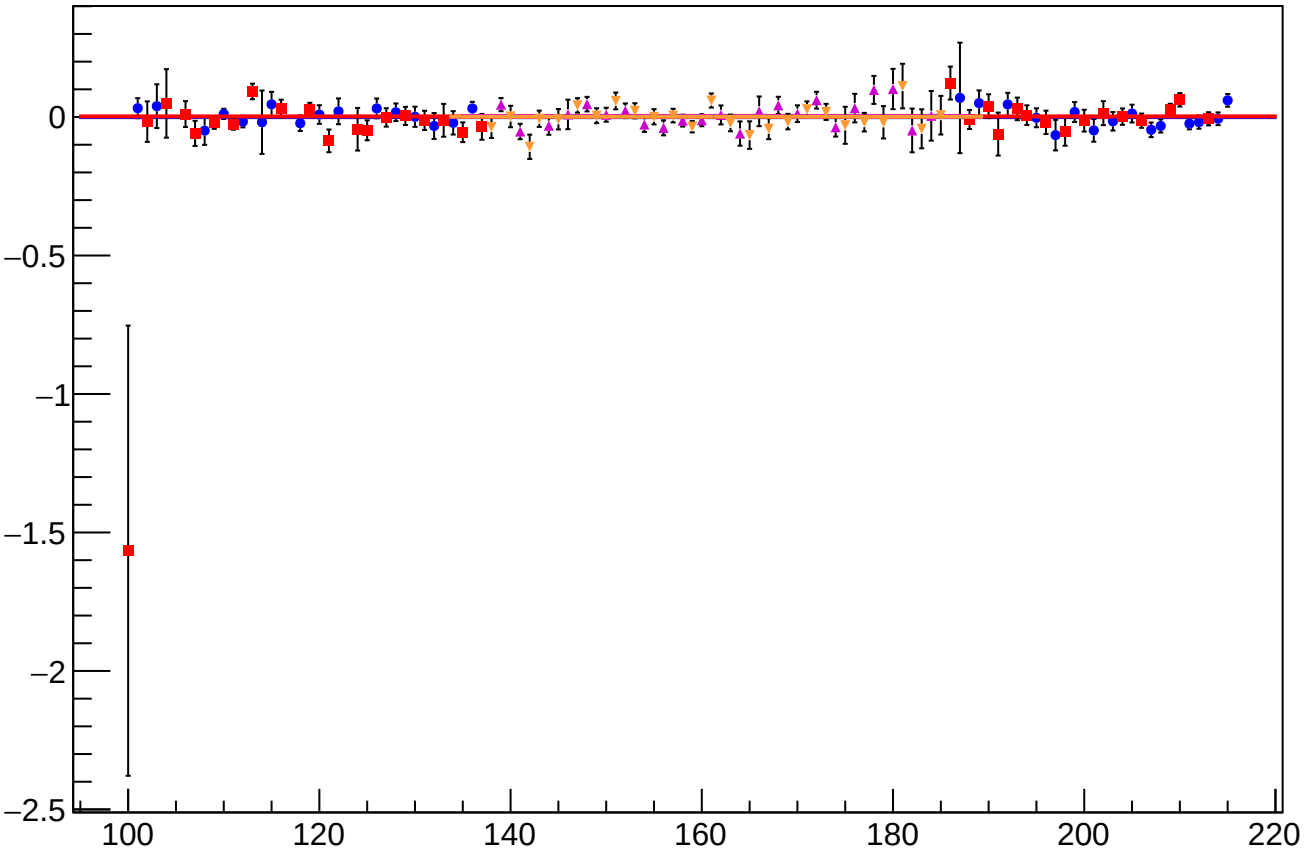
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12976330.9/64

In: 0.000+/-0.000 χ^2/NDF:13730193.2/53

Out: 0.000+/-0.000 χ^2/NDF:10952105.4/58

All: 0.000+/-0.000 χ^2/NDF: 24873699.9/112



Right In: -0.000+/-0.006 χ^2/NDF: 28.1/30

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.002+/-0.006 χ^2/NDF: 47.1/33

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

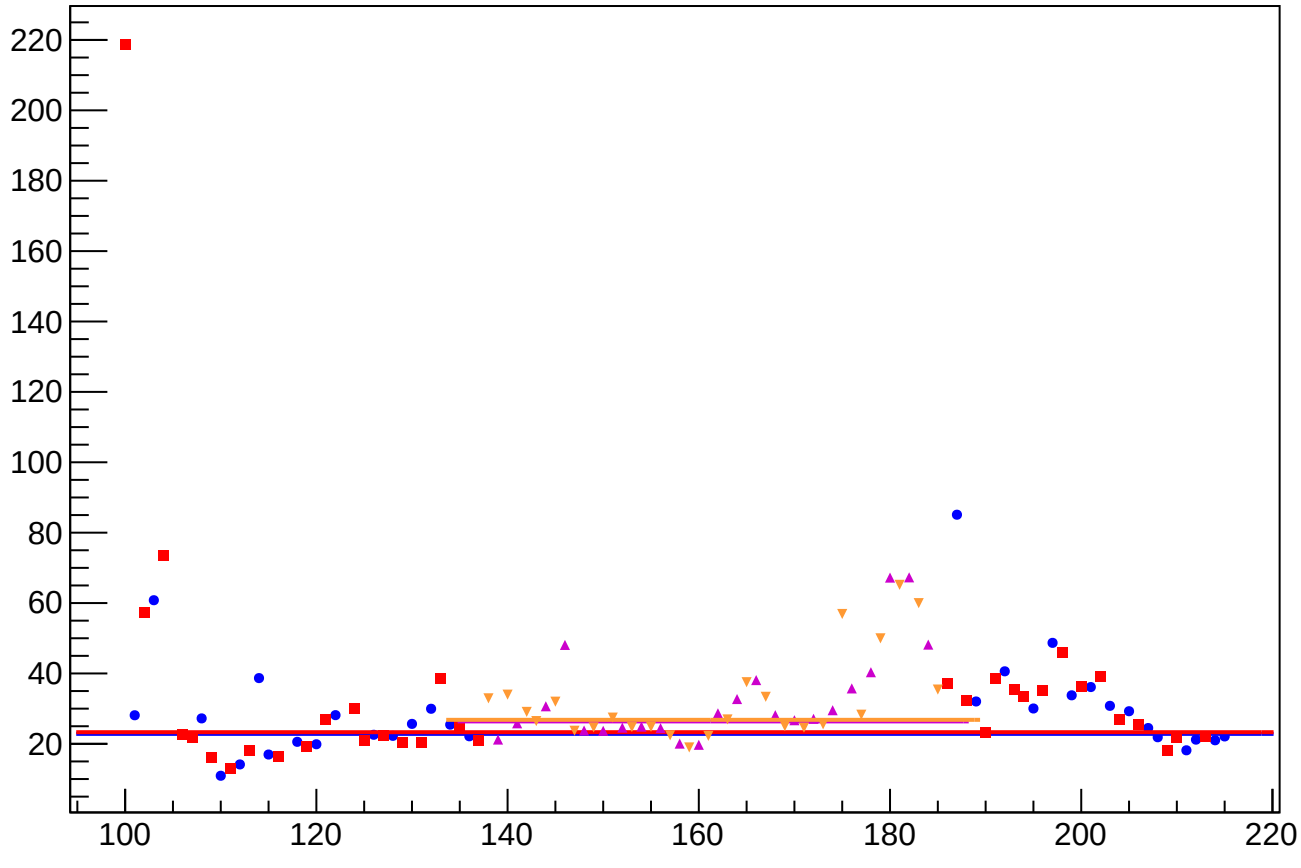
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.004 χ^2/NDF: 75.4/64

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.002+/-0.003 χ^2/NDF: 136.9/112



Right In: 22.833+/-0.004 χ^2/NDF: 3775846.8/30

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.308+/-0.004 χ^2/NDF: 3958804.9/33

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

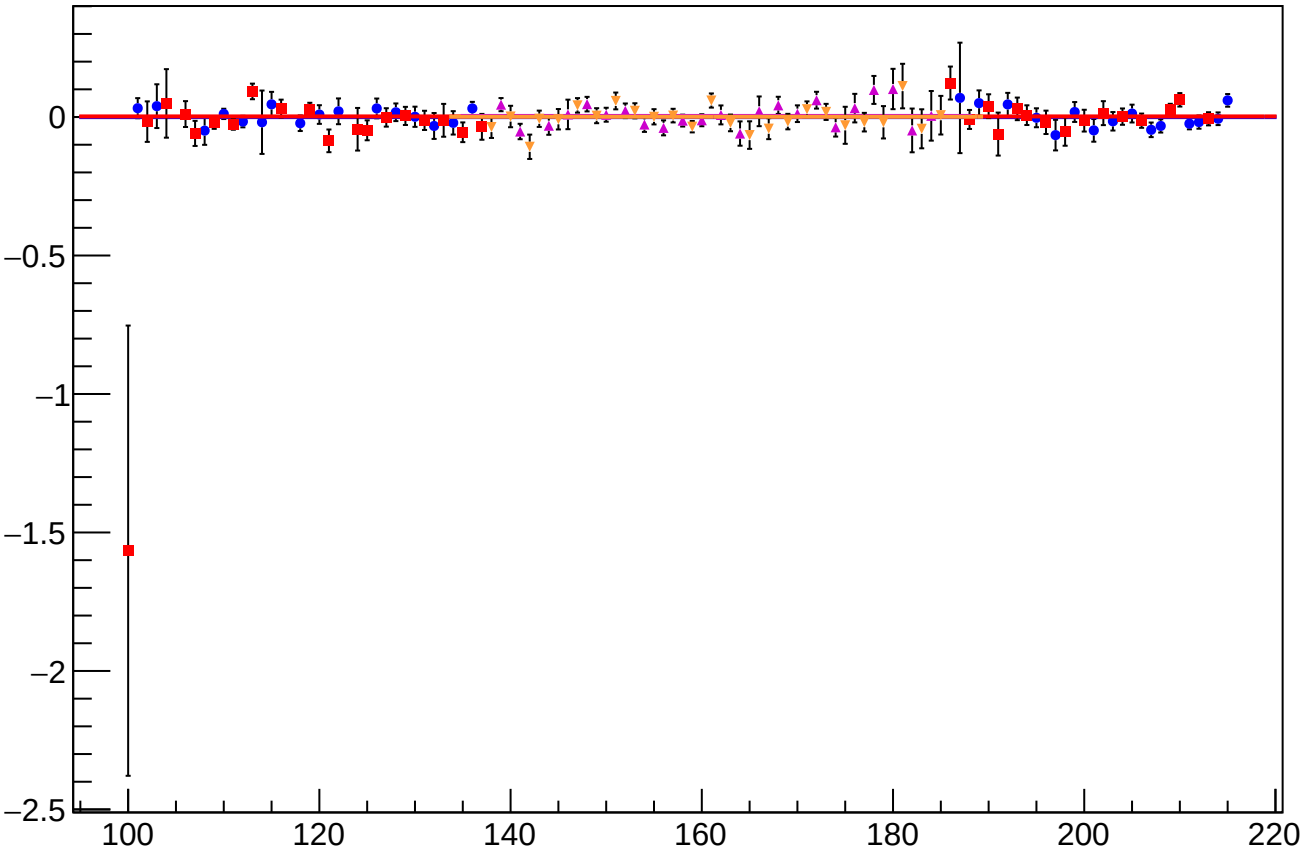
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.061+/-0.003 χ^2/NDF: 7741527.8/64

In: 24.322+/-0.003 χ^2/NDF:6676095.9/53

Out: 24.879+/-0.003 χ^2/NDF:6751911.2/58

All: 24.597+/-0.002 χ^2/NDF: 13444666.8/112



Right In: -0.000+/-0.006 χ^2/NDF: 28.1/30

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.002+/-0.006 χ^2/NDF: 47.1/33

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

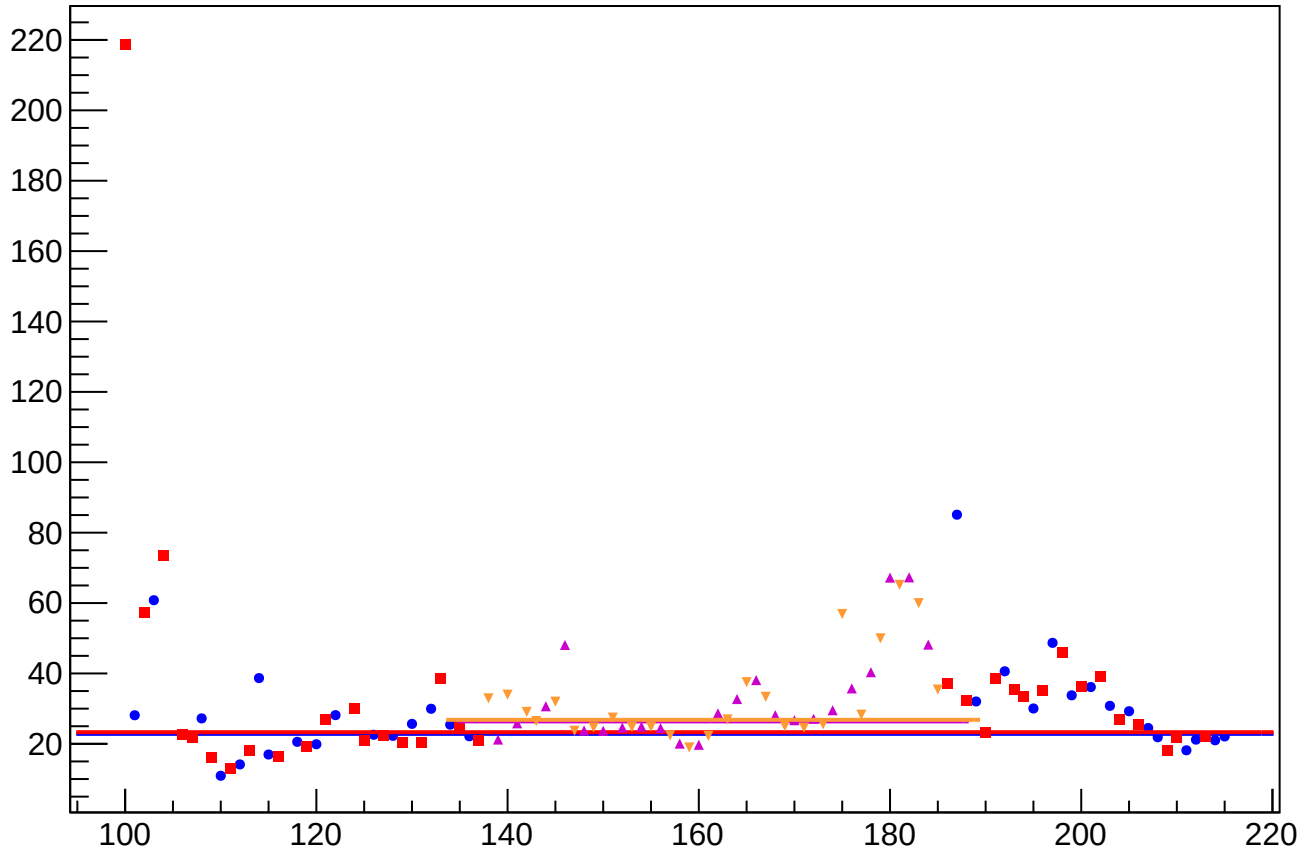
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.004 χ^2/NDF: 75.4/64

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.002+/-0.003 χ^2/NDF: 136.9/112



Right In: 22.833+/-0.004 χ^2/NDF: 3775846.8/30

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.308+/-0.004 χ^2/NDF: 3958804.9/33

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

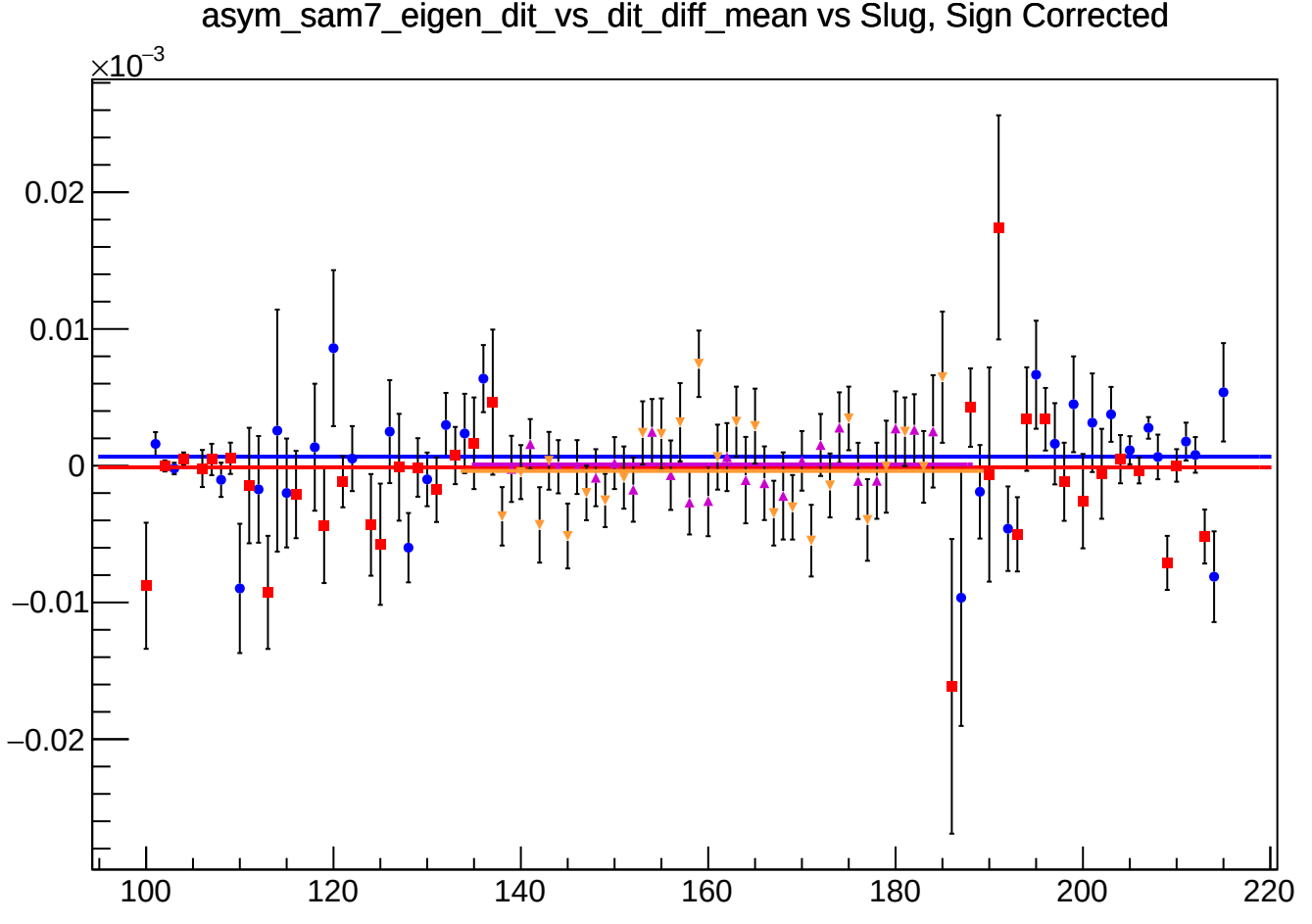
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.061+/-0.003 χ^2/NDF: 7741527.8/64

In: 24.322+/-0.003 χ^2/NDF:6676095.9/53

Out: 24.879+/-0.003 χ^2/NDF:6751911.2/58

All: 24.597+/-0.002 χ^2/NDF: 13444666.8/112



Right In: 0.000+/-0.000 χ^2/NDF: 56.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 53.1/33

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

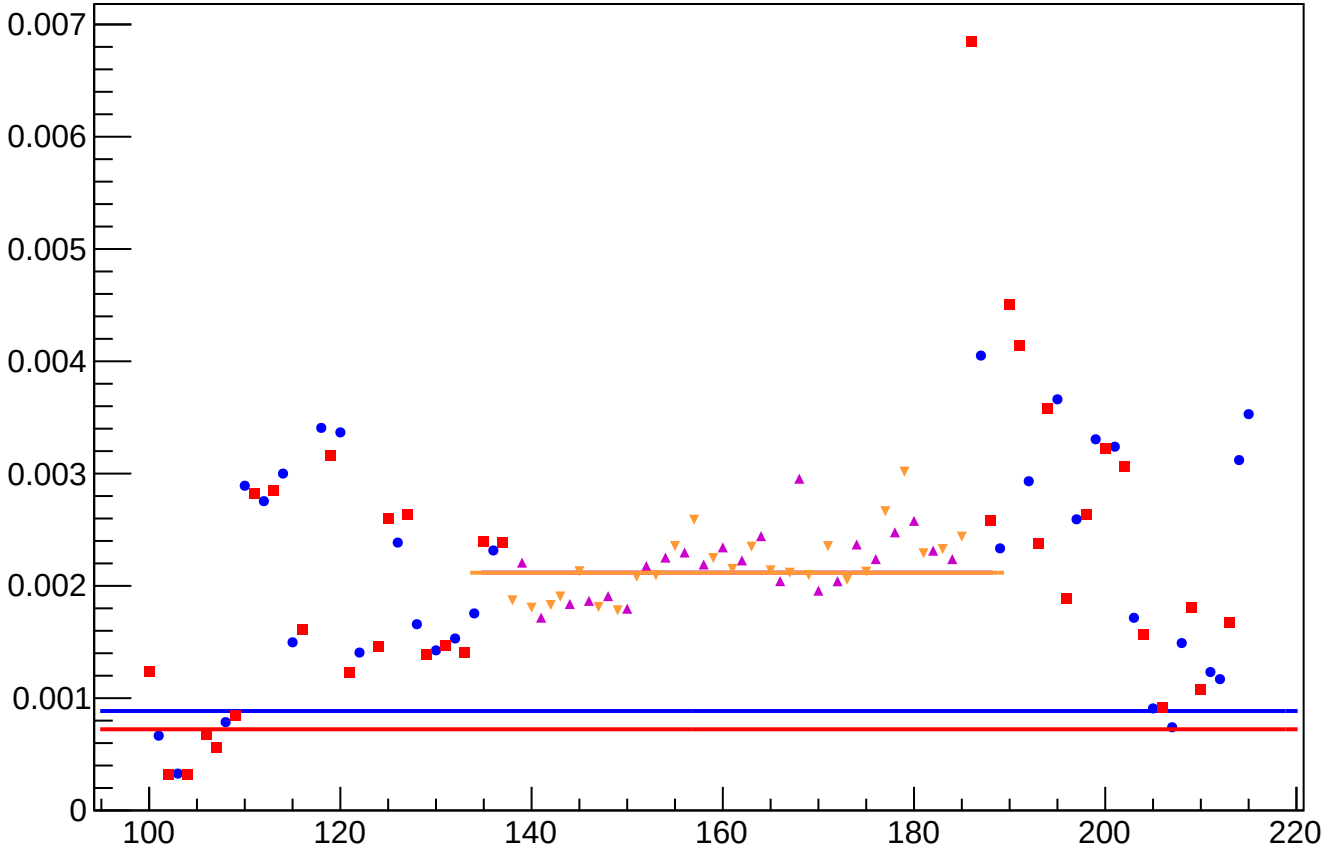
Right: 0.000+/-0.000 χ^2/NDF: 114.4/64

In: 0.000+/-0.000 χ^2/NDF:67.7/53

Out: -0.000+/-0.000 χ^2/NDF:96.4/58

All: 0.000+/-0.000 χ^2/NDF: 169.0/112

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 15152393.1/30

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 17311516.3/33

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

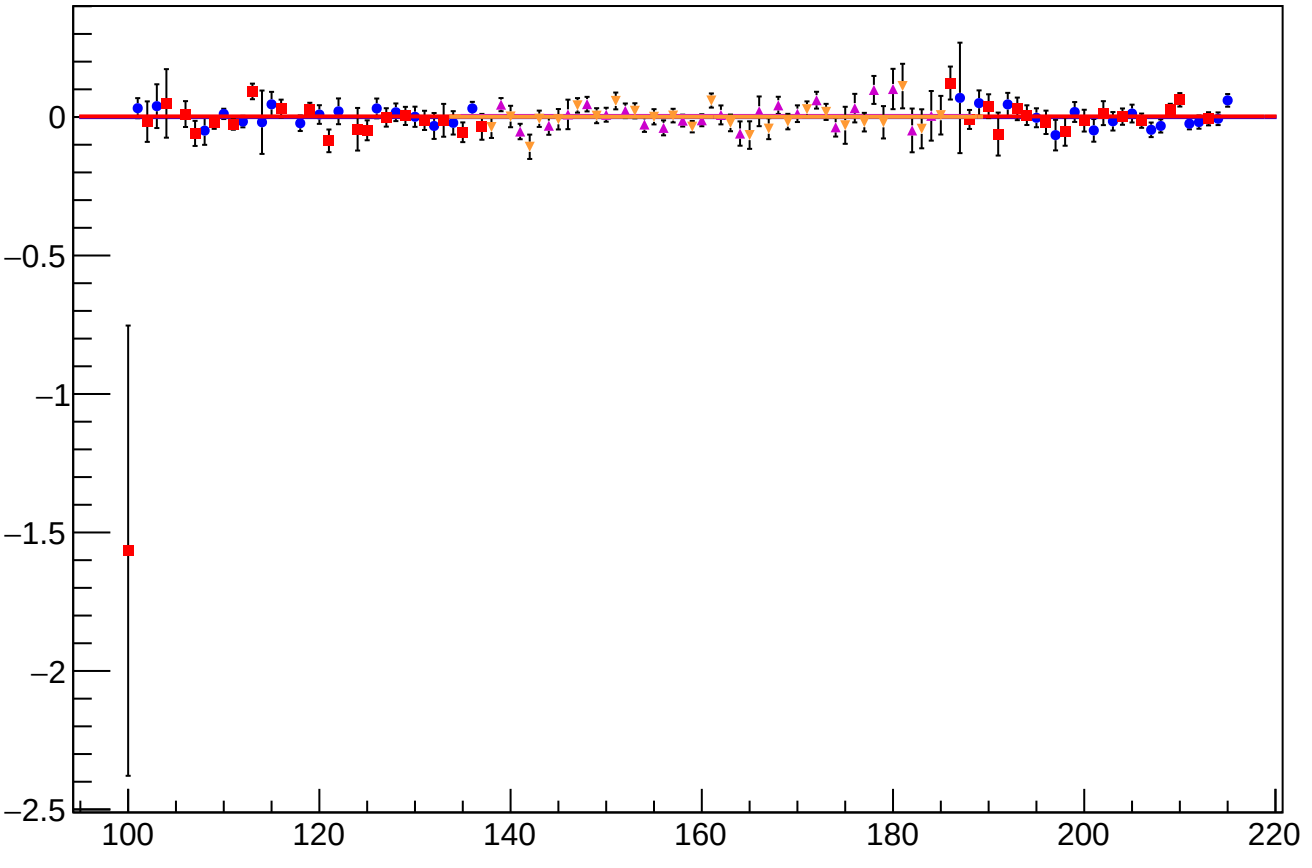
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 32883211.7/64

In: 0.001+/-0.000 χ^2/NDF:25186054.7/53

Out: 0.001+/-0.000 χ^2/NDF:31237280.5/58

All: 0.001+/-0.000 χ^2/NDF: 57034073.2/112



Right In: -0.000+/-0.006 χ^2/NDF: 28.1/30

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.002+/-0.006 χ^2/NDF: 47.1/33

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

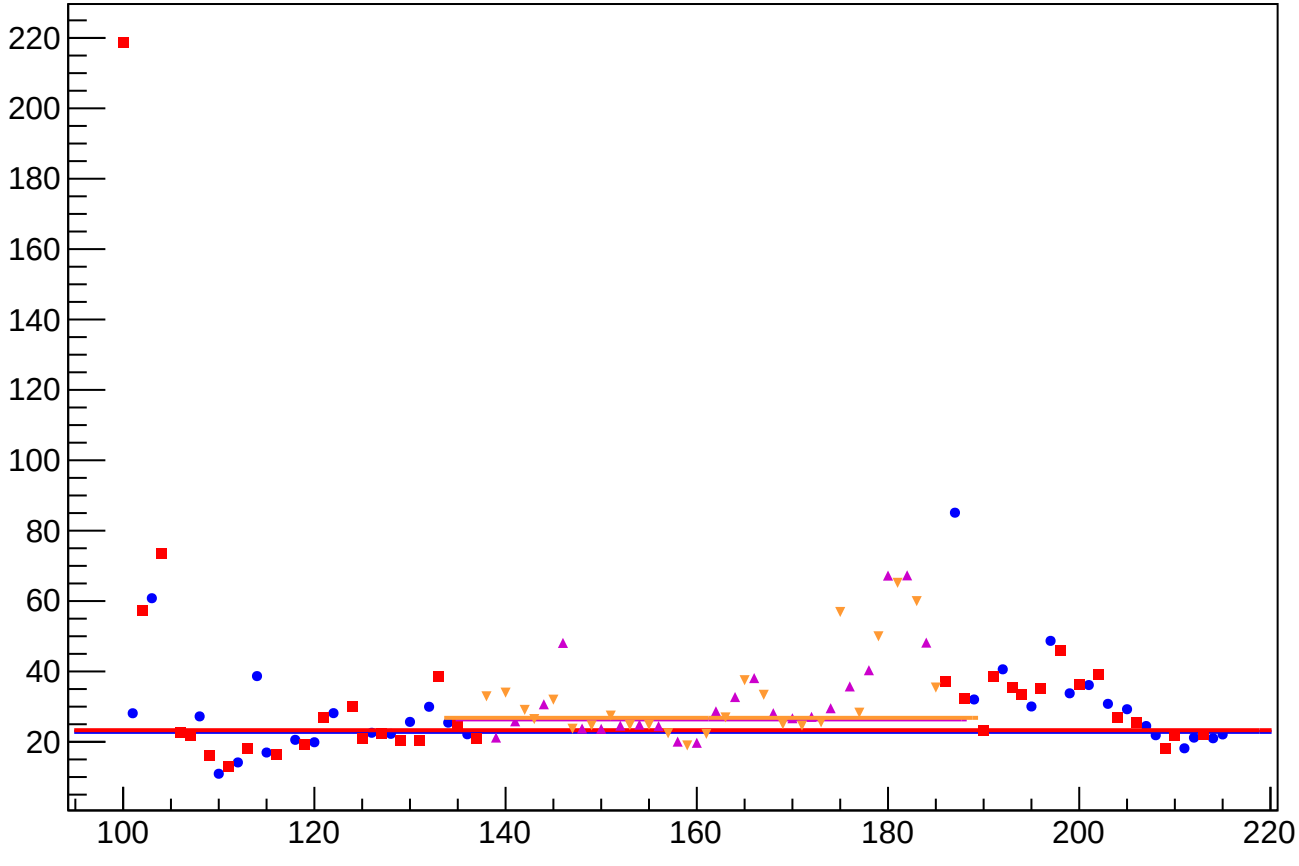
Right: 0.001+/-0.004 χ^2/NDF: 75.4/64

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.002+/-0.003 χ^2/NDF: 136.9/112

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.833+/-0.004 χ^2/NDF: 3775575.4/30

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.308+/-0.004 χ^2/NDF: 3958593.3/33

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

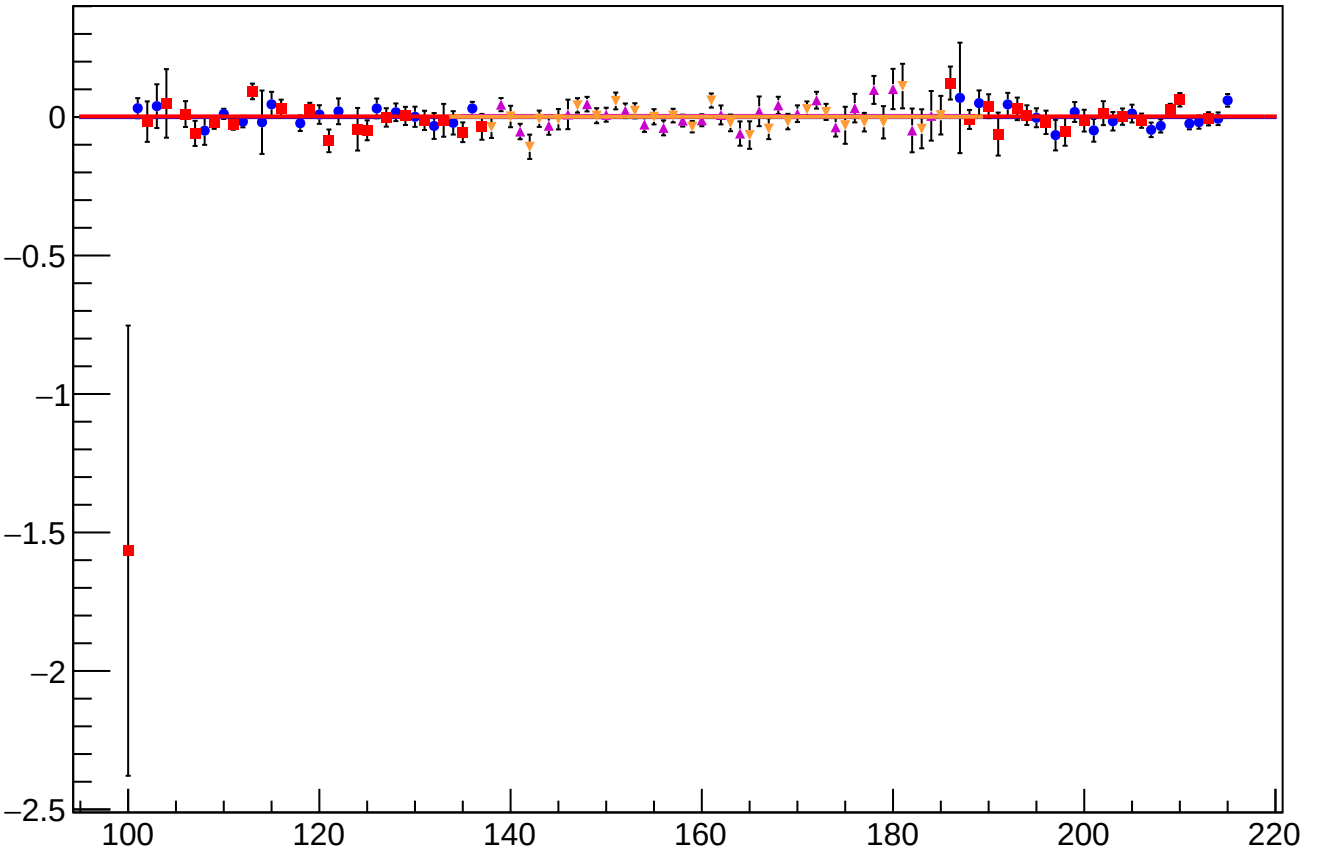
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.062+/-0.003 χ^2/NDF: 7741034.7/64

In: 24.323+/-0.003 χ^2/NDF:6675811.8/53

Out: 24.879+/-0.003 χ^2/NDF:6751732.3/58

All: 24.597+/-0.002 χ^2/NDF: 13444191.2/112



Right In: -0.000+/-0.006 χ^2/NDF: 28.1/30

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.002+/-0.006 χ^2/NDF: 47.1/33

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

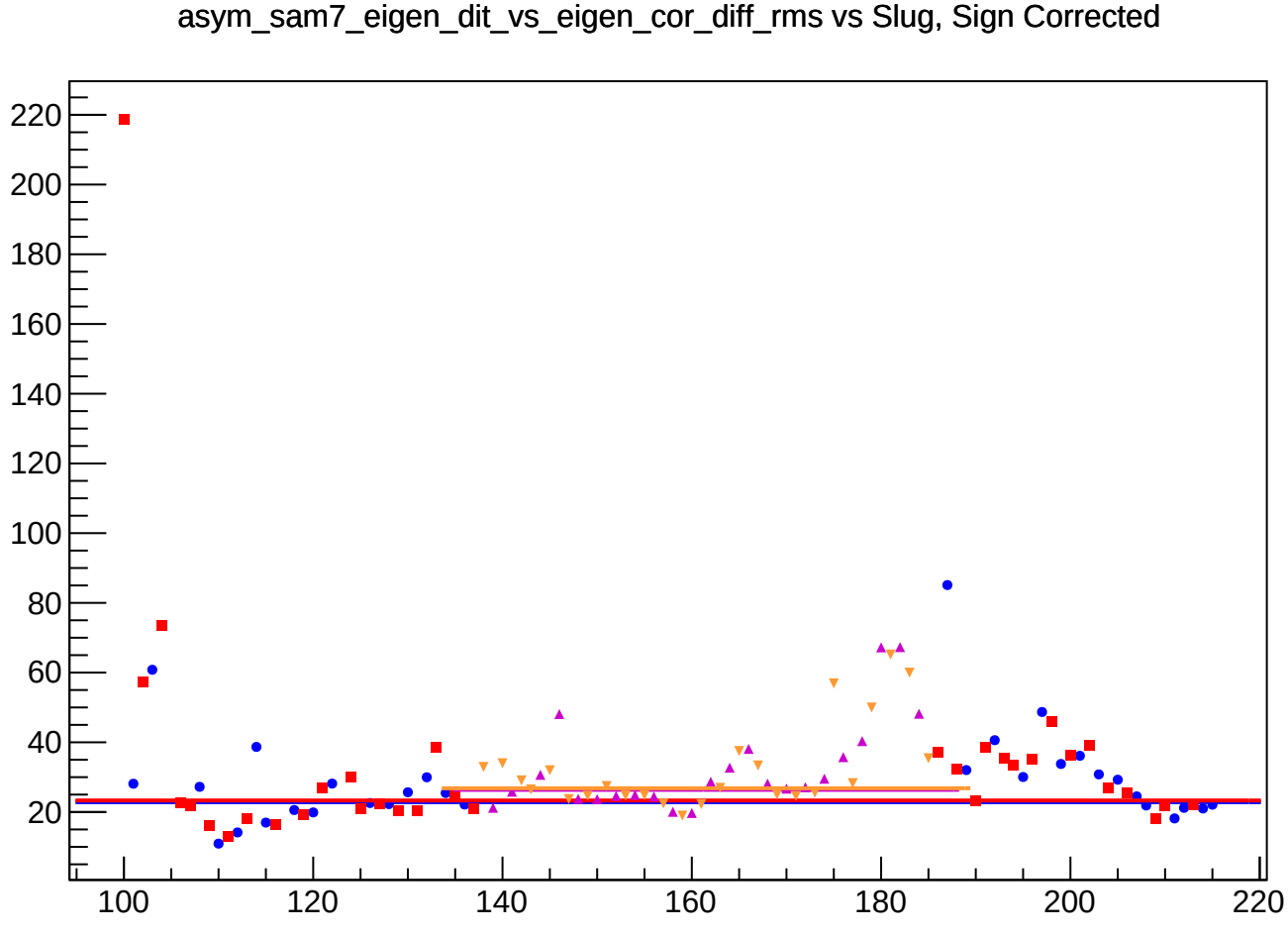
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.004 χ^2/NDF: 75.4/64

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.002+/-0.004 χ^2/NDF:77.4/58

All: 0.002+/-0.003 χ^2/NDF: 136.9/112



Right In: 22.833+/-0.004 χ^2/NDF: 3775575.4/30

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.308+/-0.004 χ^2/NDF: 3958593.3/33

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

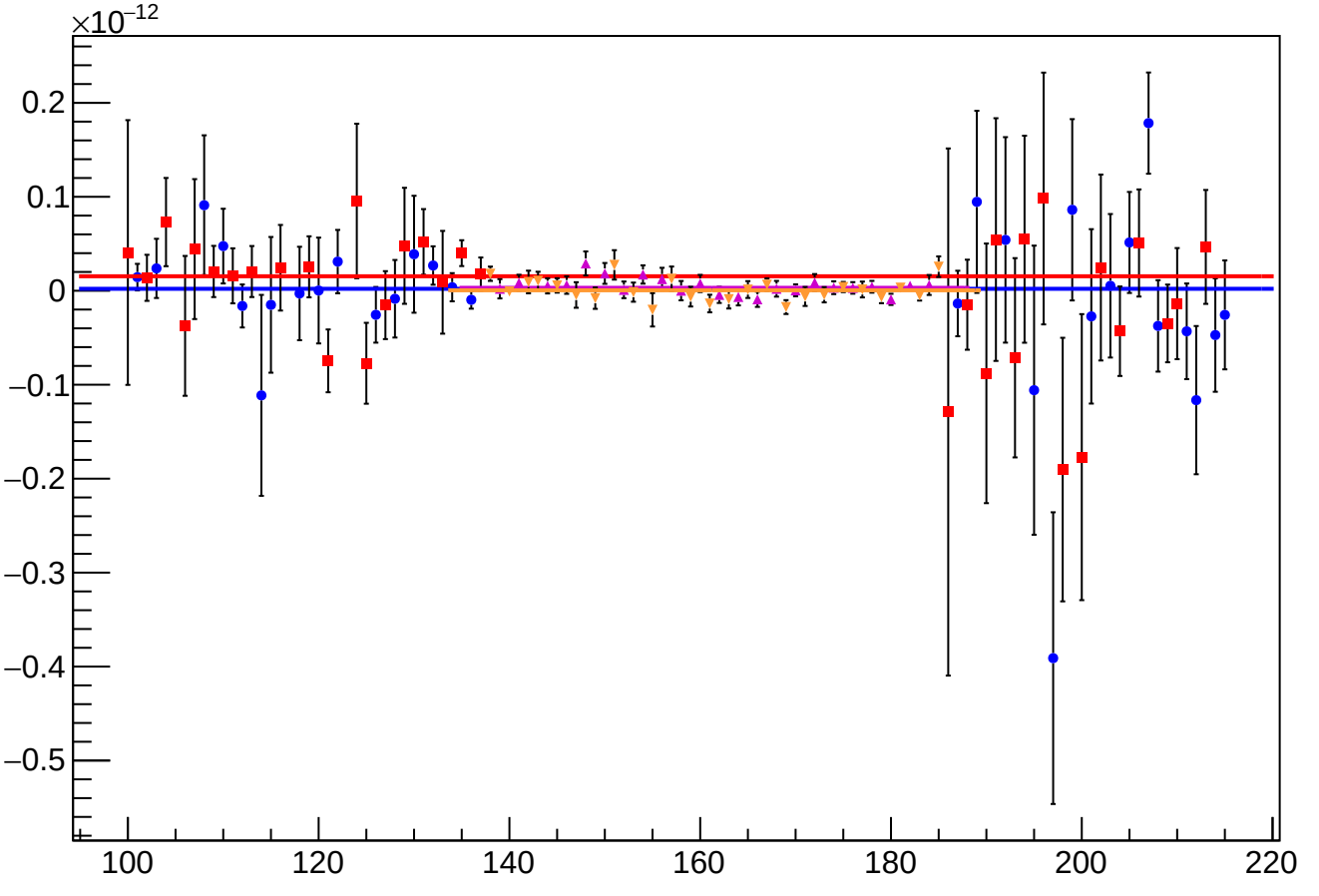
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.062+/-0.003 χ^2/NDF: 7741034.7/64

In: 24.323+/-0.003 χ^2/NDF:6675811.8/53

Out: 24.879+/-0.003 χ^2/NDF:6751732.3/58

All: 24.597+/-0.002 χ^2/NDF: 13444191.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/33

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

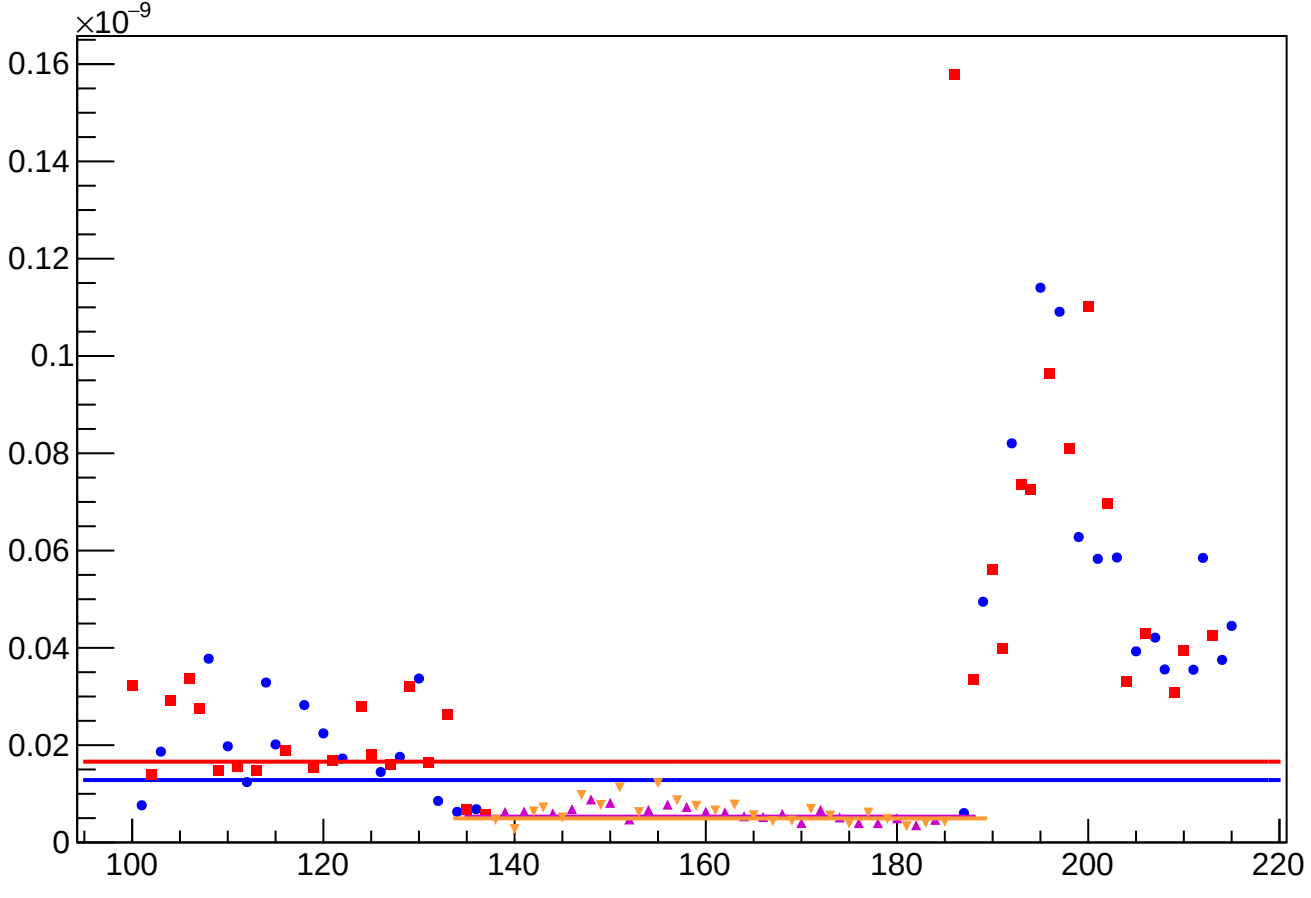
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 69.3/64

In: 0.000+/-0.000 χ^2/NDF:55.2/53

Out: 0.000+/-0.000 χ^2/NDF:68.1/58

All: 0.000+/-0.000 χ^2/NDF: 124.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 10574725.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8490505.9/33

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

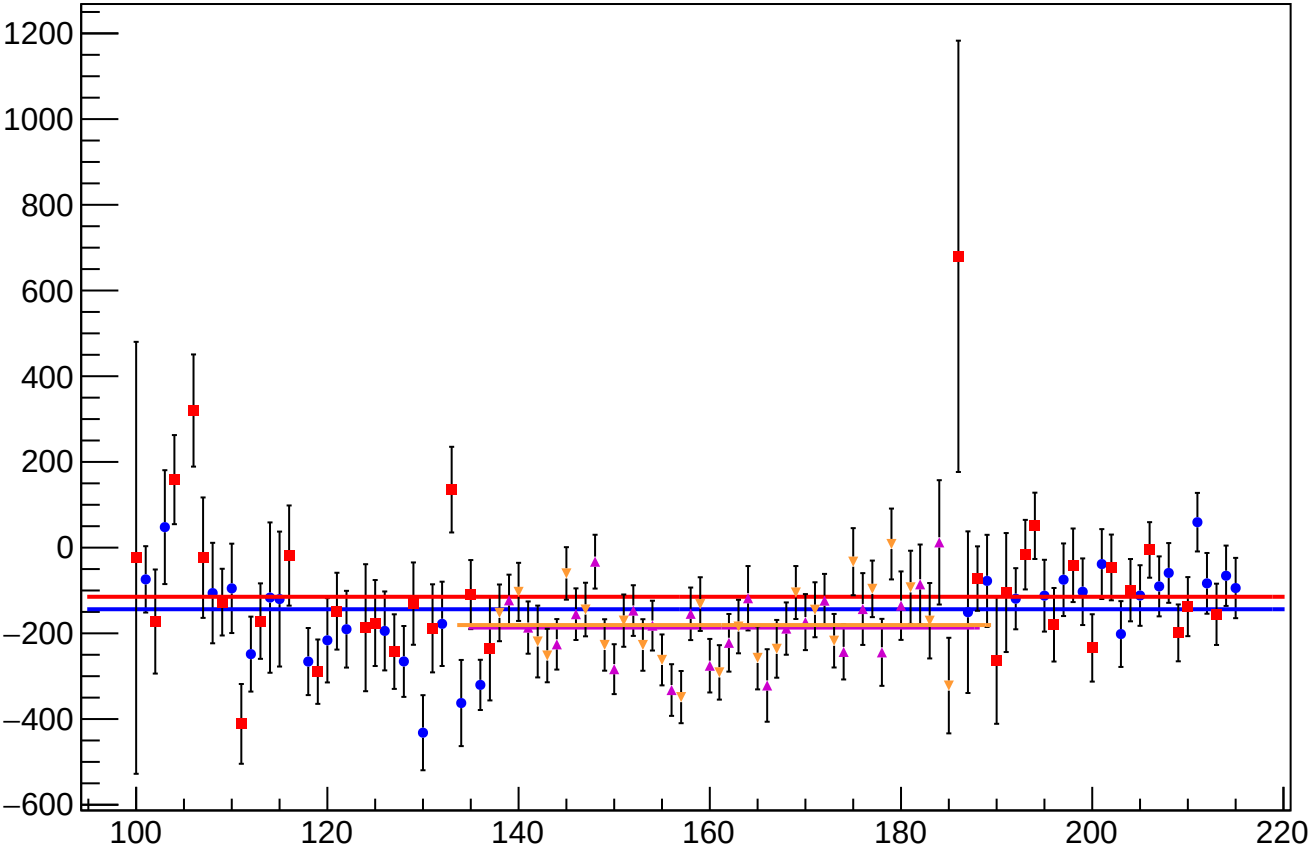
Right: 0.000+/-0.000 χ^2/NDF: 19458726.9/64

In: 0.000+/-0.000 χ^2/NDF:15372358.5/53

Out: 0.000+/-0.000 χ^2/NDF:17152648.3/58

All: 0.000+/-0.000 χ^2/NDF: 32589681.0/112

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -143.772+/-15.116 χ^2/NDF: 52.5/30

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -114.684+/-15.578 χ^2/NDF: 65.2/33

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

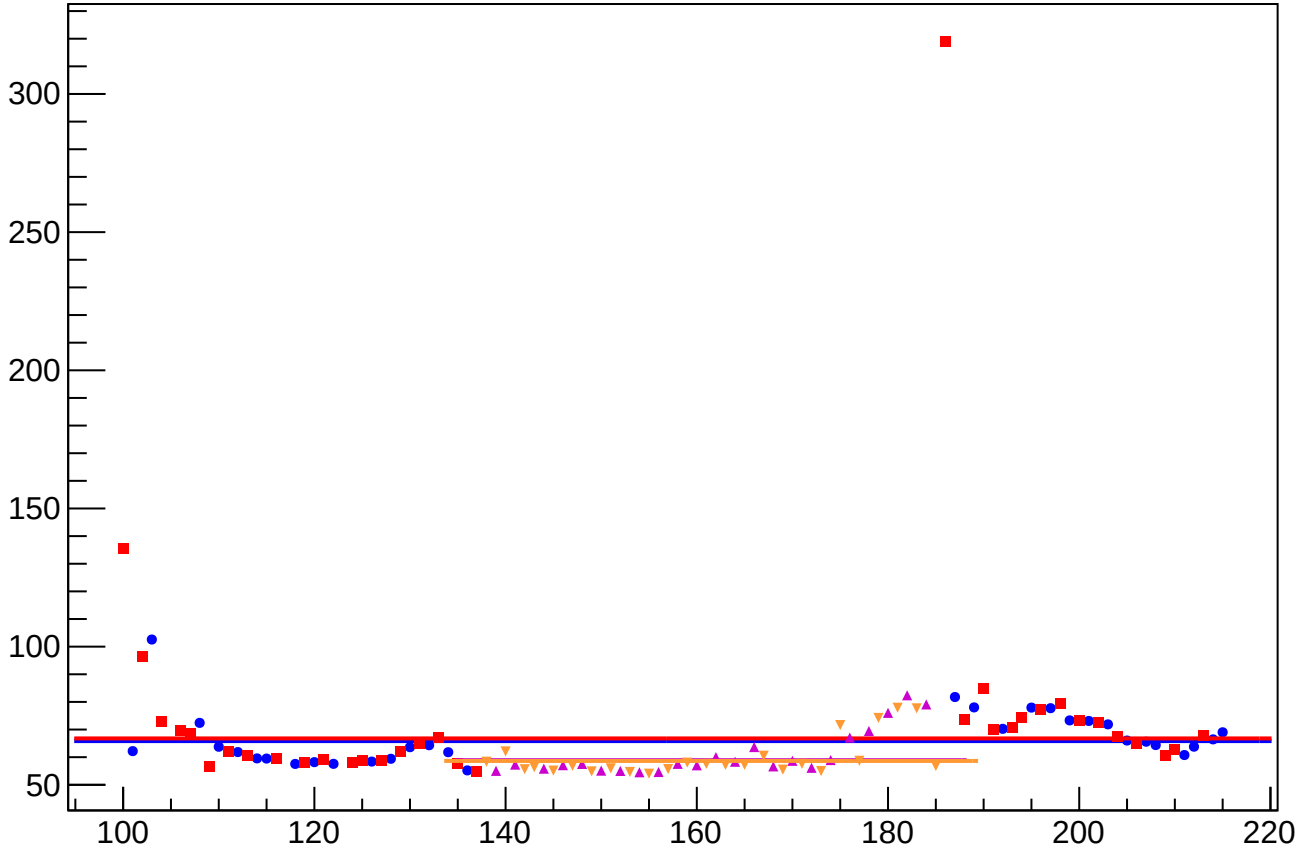
Right: -129.665+/-10.848 χ^2/NDF: 119.6/64

In: -167.022+/-10.216 χ^2/NDF:85.9/53

Out: -152.572+/-10.167 χ^2/NDF:114.1/58

All: -159.762+/-7.206 χ^2/NDF: 201.0/112

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.820+/-0.011 χ^2/NDF: 514714.4/30

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.787+/-0.011 χ^2/NDF: 1046986.9/33

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

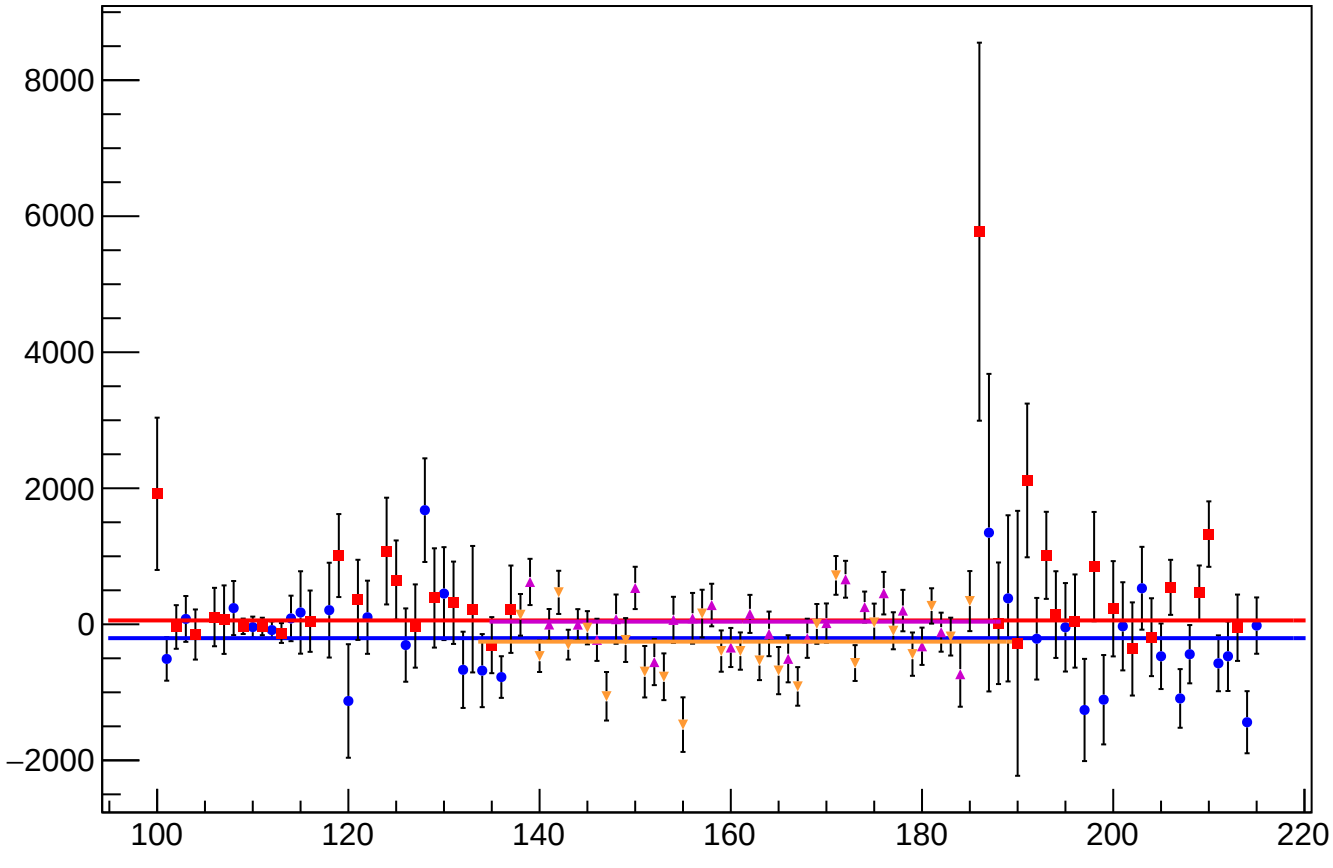
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.289+/-0.008 χ^2/NDF: 1565669.2/64

In: 62.064+/-0.007 χ^2/NDF:1128855.4/53

Out: 62.113+/-0.007 χ^2/NDF:1754611.3/58

All: 62.088+/-0.005 χ^2/NDF: 2883489.4/112



Right In: -203.631+/-66.989 χ^2/NDF: 39.5/30

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 57.008+/-59.376 χ^2/NDF: 33.5/33

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

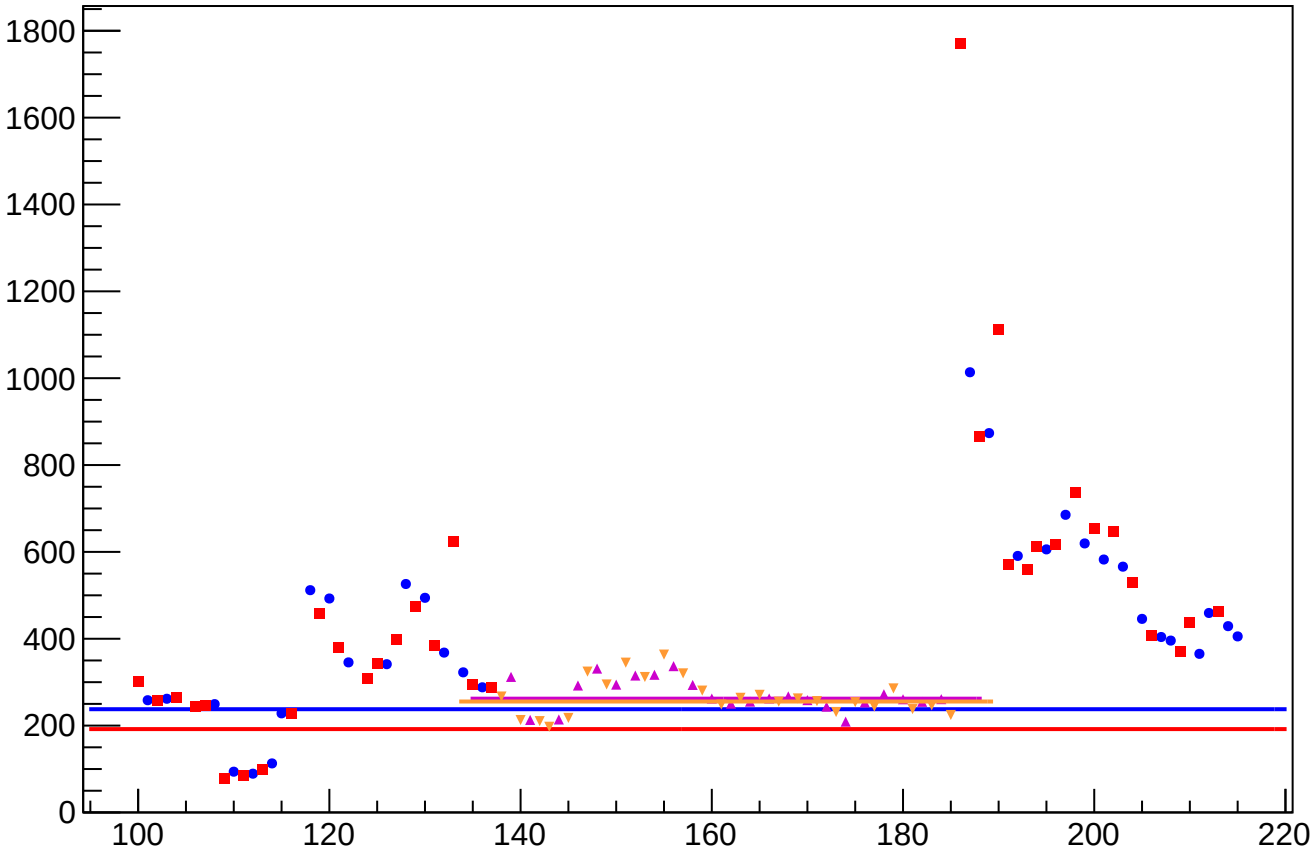
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -57.667+/-44.434 χ^2/NDF: 81.4/64

In: -72.639+/-45.456 χ^2/NDF:74.9/53

Out: -100.127+/-41.808 χ^2/NDF:105.0/58

All: -87.530+/-30.771 χ^2/NDF: 180.1/112



Right In: 237.751+/-0.047 χ^2/NDF: 13020438.2/30

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 191.958+/-0.042 χ^2/NDF: 16709006.9/33

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

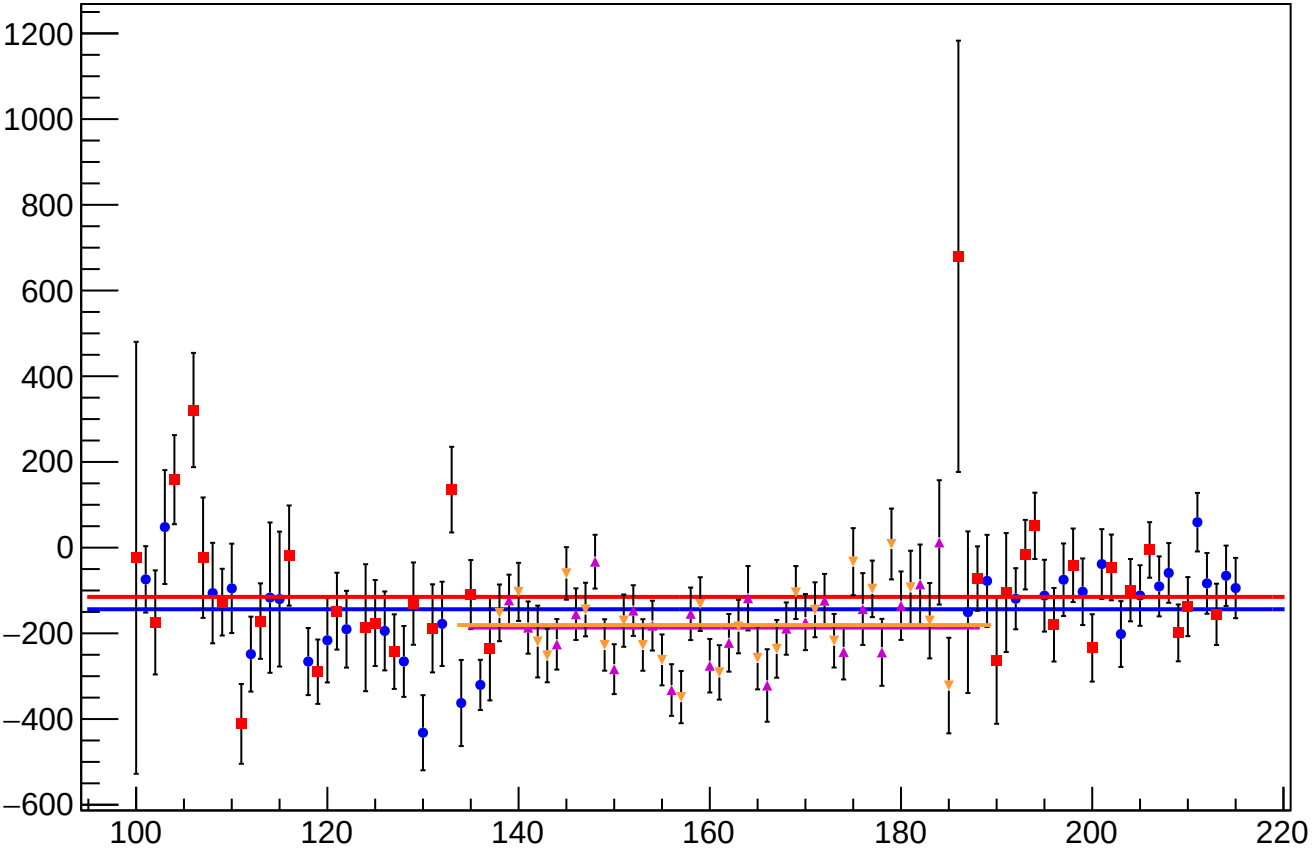
Right: 212.106+/-0.031 χ^2/NDF: 30252846.2/64

In: 250.839+/-0.032 χ^2/NDF:13832498.5/53

Out: 223.982+/-0.030 χ^2/NDF:18726681.8/58

All: 236.290+/-0.022 χ^2/NDF: 32937394.5/1

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -143.773+/-15.116 χ^2/NDF: 52.5/30

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -114.922+/-15.582 χ^2/NDF: 64.9/33

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

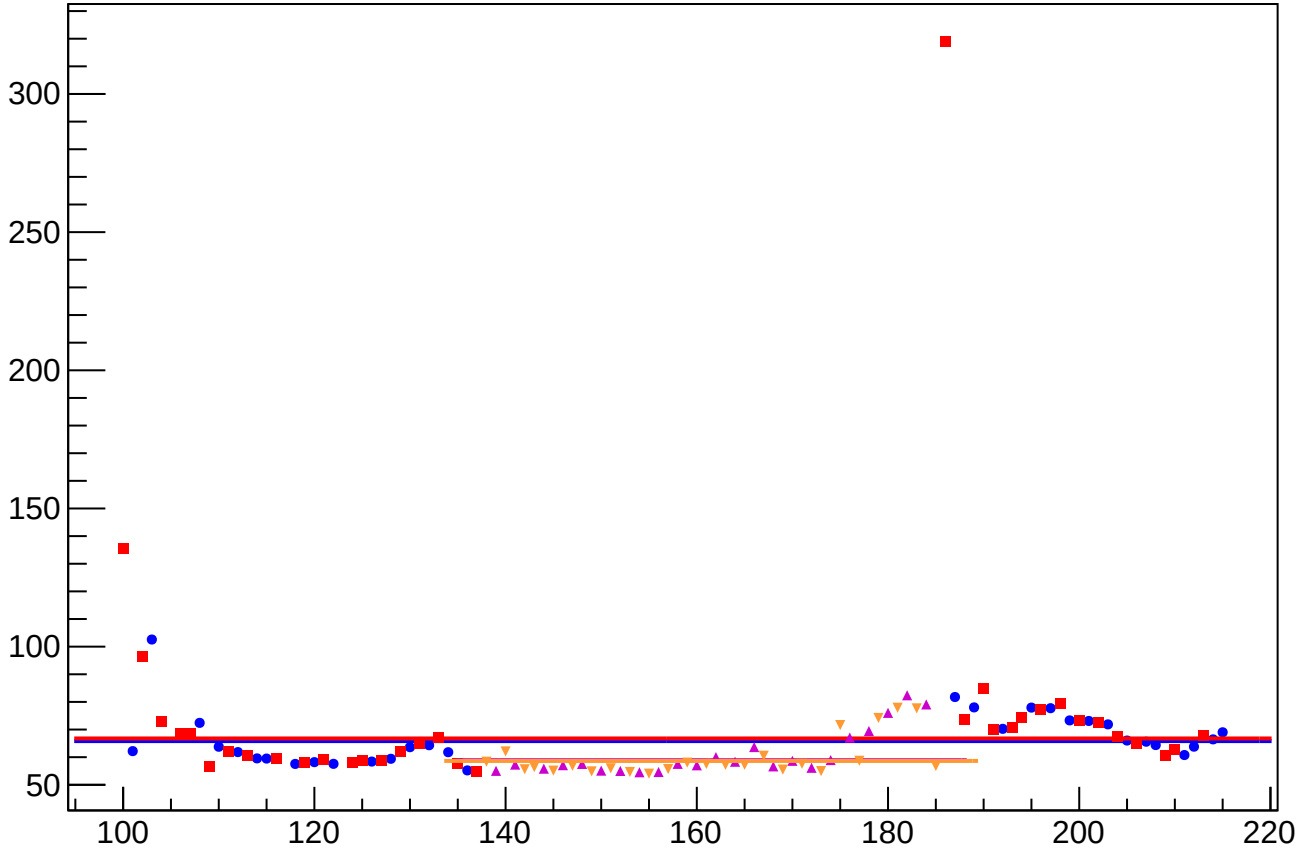
Right: -129.785+/-10.850 χ^2/NDF: 119.2/64

In: -167.023+/-10.216 χ^2/NDF:85.9/53

Out: -152.679+/-10.168 χ^2/NDF:113.7/58

All: -159.817+/-7.207 χ^2/NDF: 200.6/112

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.820+/-0.011 χ^2/NDF: 514716.8/30

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.770+/-0.011 χ^2/NDF: 1046551.4/33

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

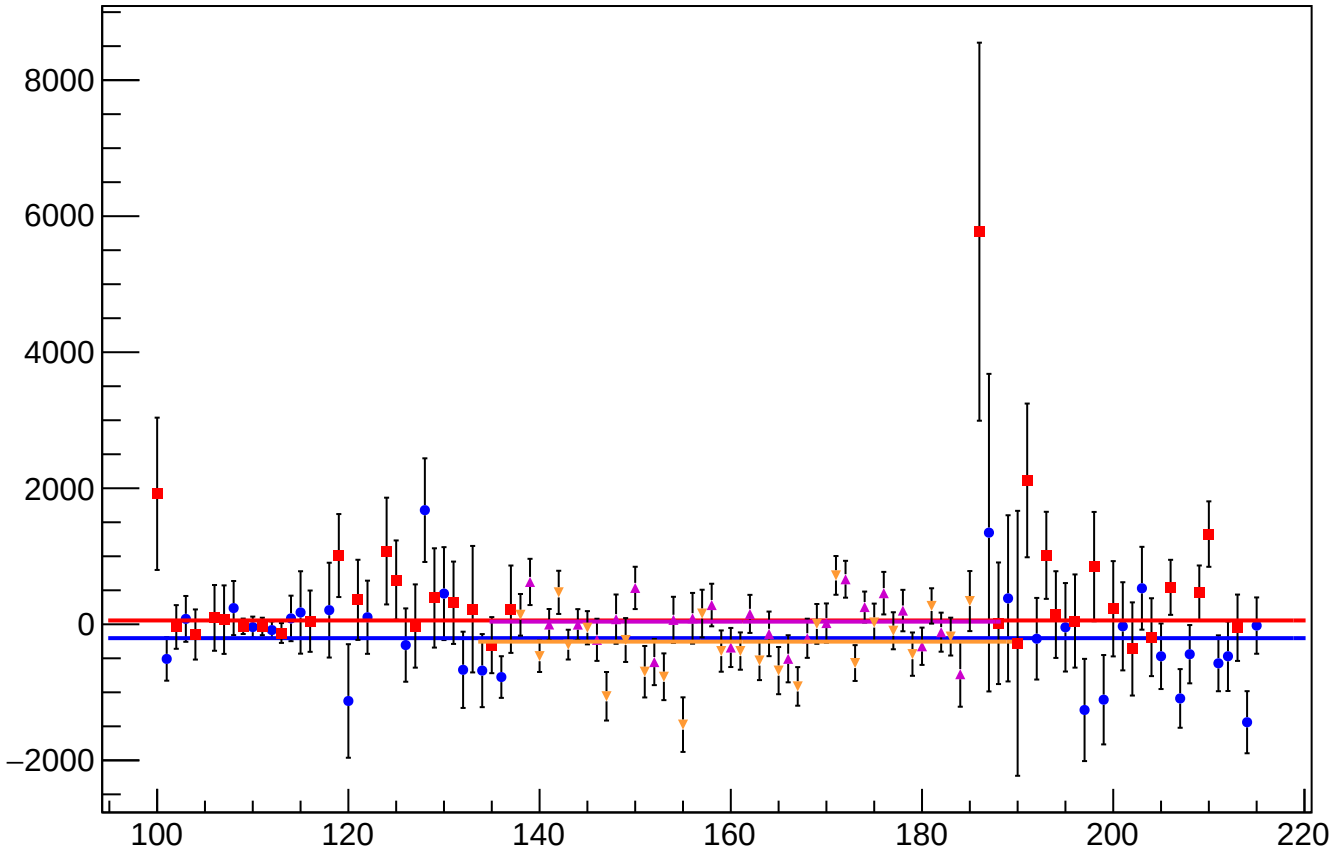
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.281+/-0.008 χ^2/NDF: 1565095.4/64

In: 62.064+/-0.007 χ^2/NDF:1128857.9/53

Out: 62.104+/-0.007 χ^2/NDF:1752760.5/58

All: 62.084+/-0.005 χ^2/NDF: 2881634.0/112



Right In: -203.619+/-66.989 χ^2/NDF: 39.5/30

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 56.639+/-59.498 χ^2/NDF: 33.4/33

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

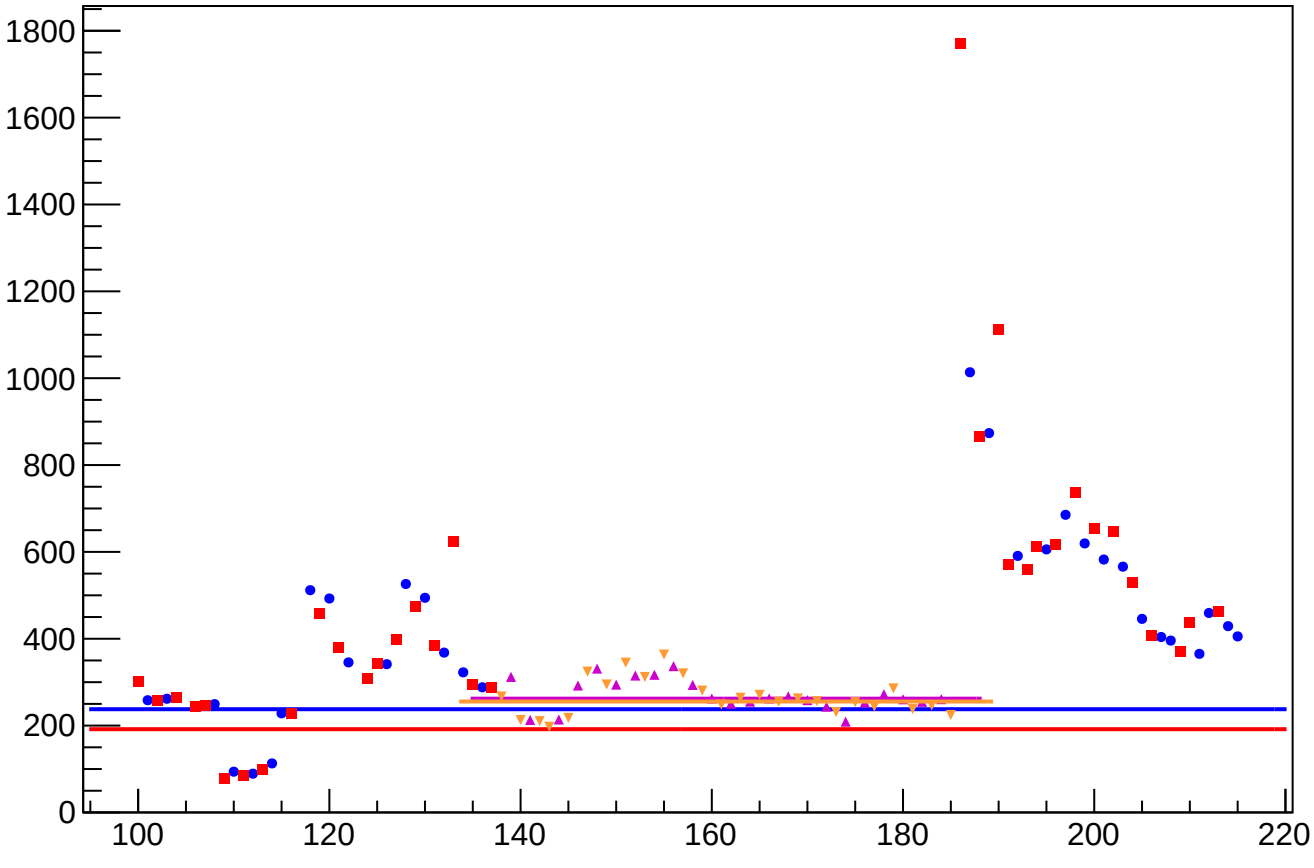
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -58.131+/-44.485 χ^2/NDF: 81.4/64

In: -72.634+/-45.456 χ^2/NDF:74.9/53

Out: -100.628+/-41.850 χ^2/NDF:104.9/58

All: -87.785+/-30.788 χ^2/NDF: 180.0/112



Right In: 237.752+/-0.047 χ^2/NDF: 13020461.9/30

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 191.752+/-0.042 χ^2/NDF: 16703523.6/33

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

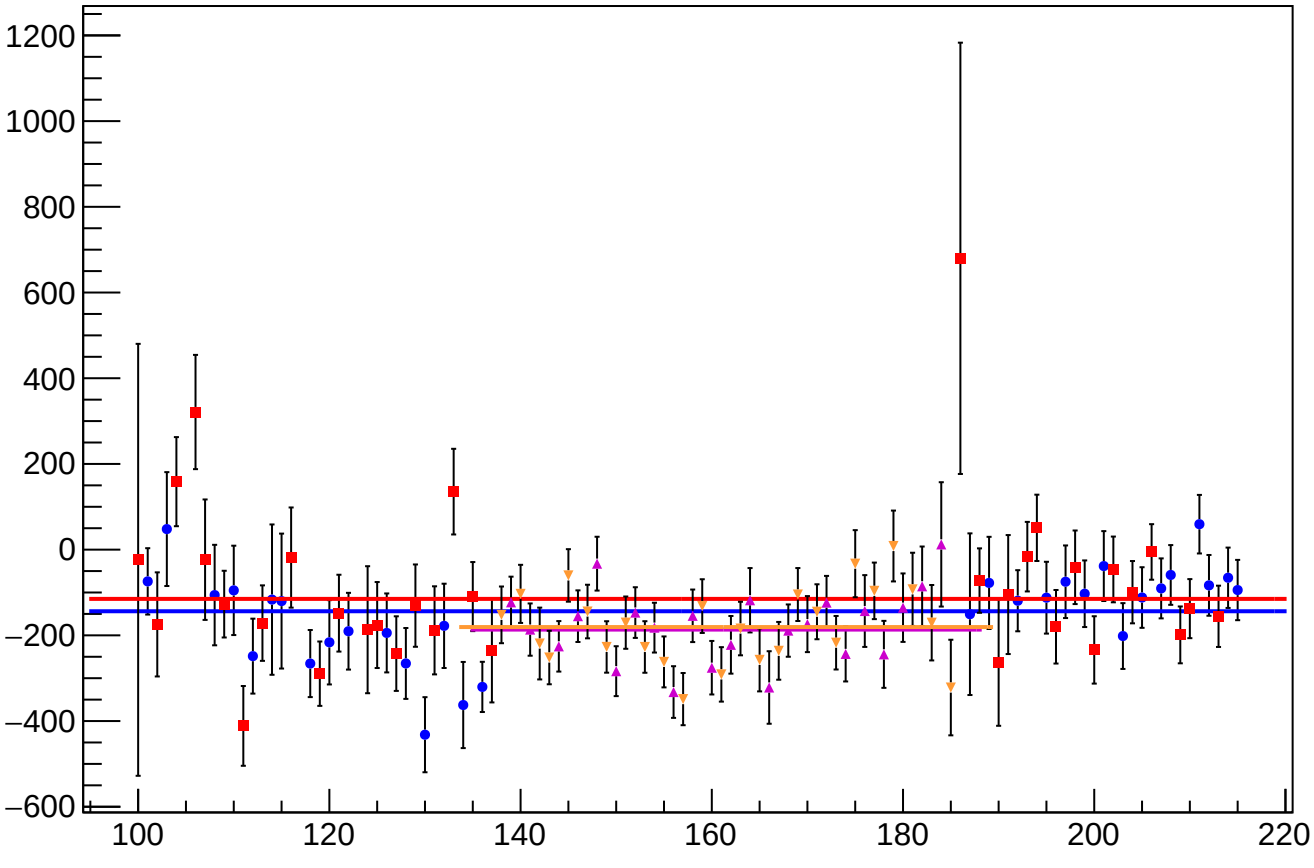
Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

Right: 212.037+/-0.031 χ^2/NDF: 30251173.8/64

In: 250.839+/-0.032 χ^2/NDF:13832511.1/53

Out: 223.945+/-0.030 χ^2/NDF:18726298.6/58

All: 236.283+/-0.022 χ^2/NDF: 32937724.7/11


eigen_cor_asym_sam8_mean vs Slug, Sign Corrected
1200
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−200
−400
−600
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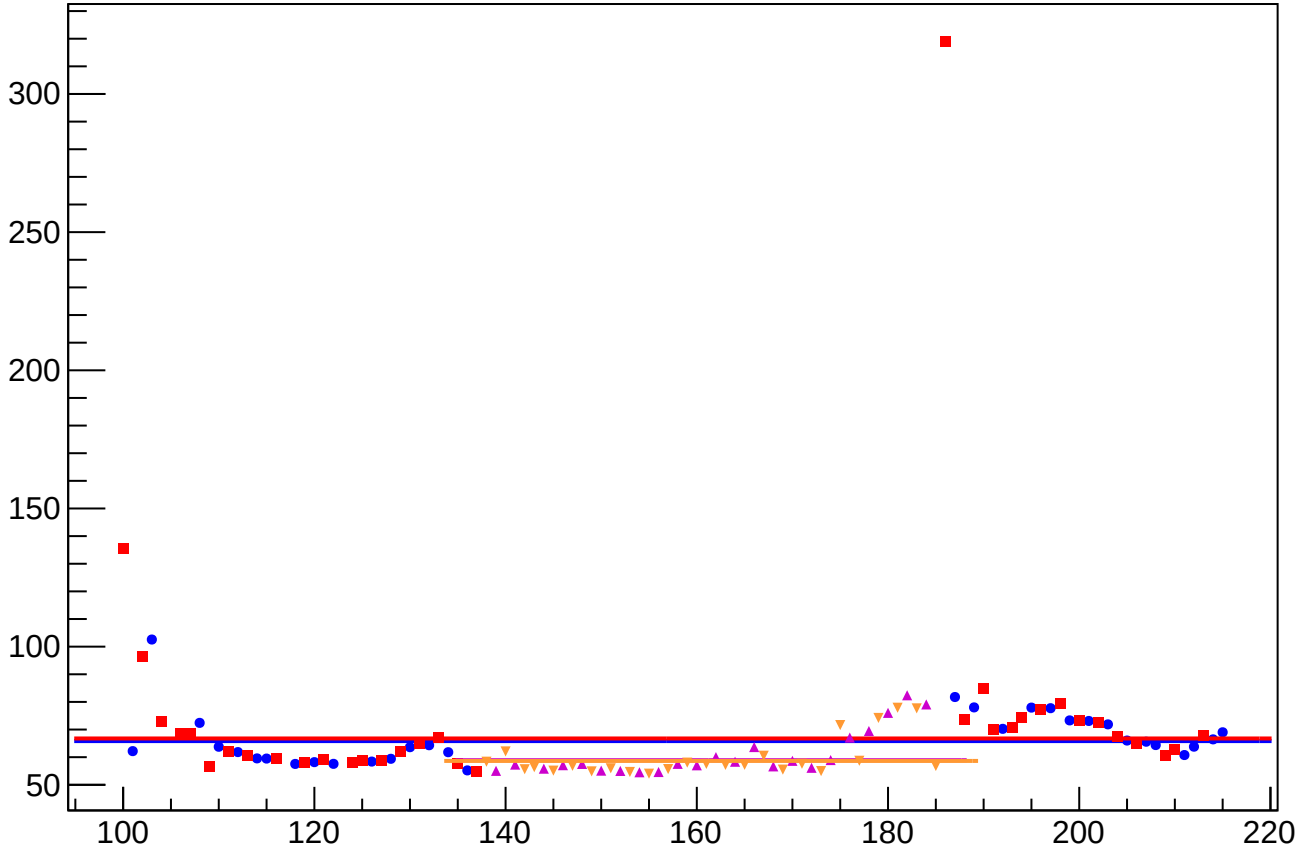
220
Right In: -143.773+/-15.116 χ²/NDF: 52.5/30
Left Out: -180.680+/-13.419 χ²/NDF:38.6/24
Right Out: -114.922+/-15.582 χ²/NDF: 64.9/33
Left In: -186.567+/-13.860 χ²/NDF:29.0/22
Left: -183.529+/-9.641 χ²/NDF: 67.7/47
Right: -129.785+/-10.850 χ²/NDF: 119.2/64
In: -167.023+/-10.216 χ²/NDF:85.9/53
Out: -152.679+/-10.168 χ²/NDF:113.7/58
All: -159.817+/-7.207 χ²/NDF: 200.6/112

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.820+/-0.011 χ^2/NDF: 514716.8/30

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.770+/-0.011 χ^2/NDF: 1046551.4/33

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

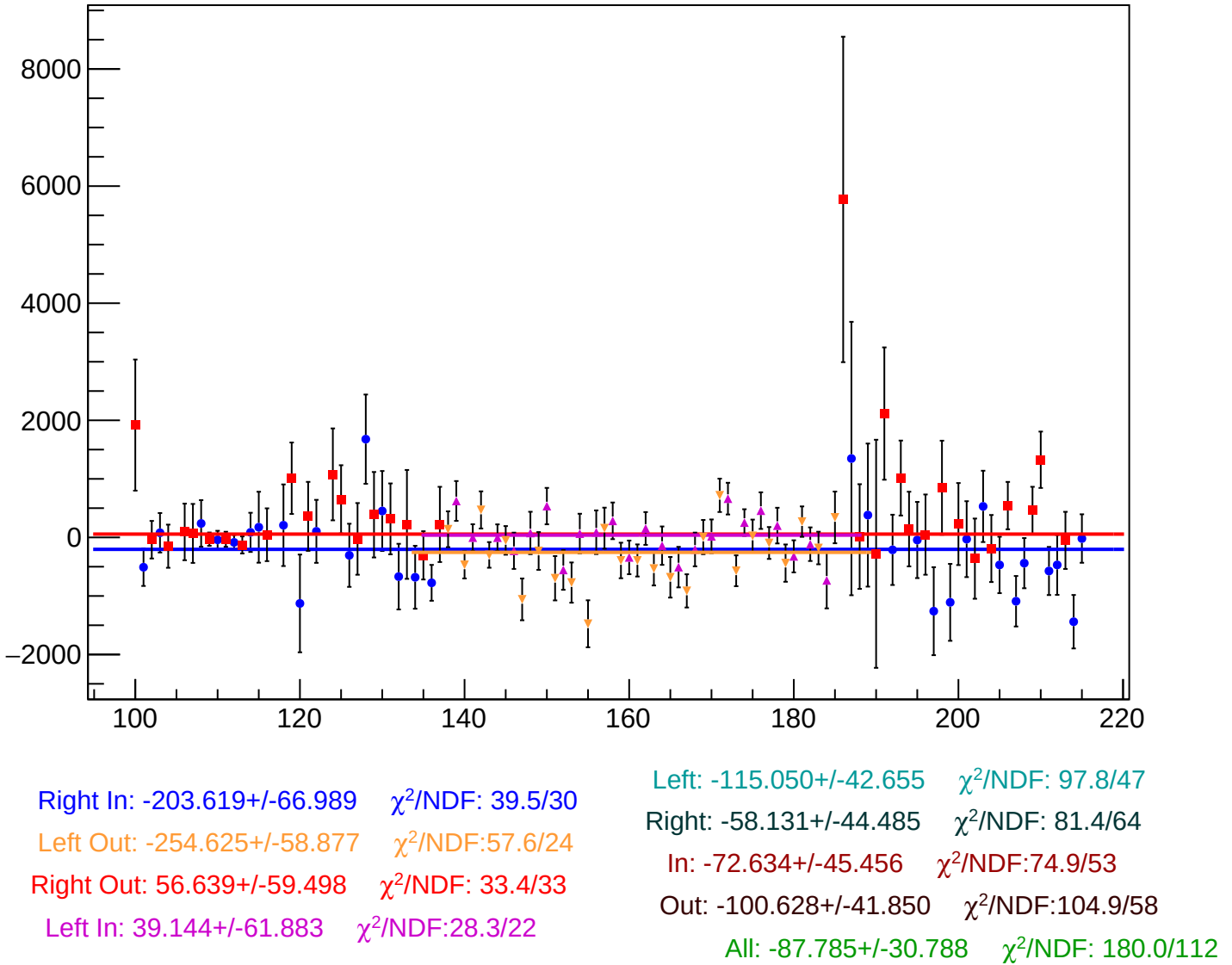
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.281+/-0.008 χ^2/NDF: 1565095.4/64

In: 62.064+/-0.007 χ^2/NDF:1128857.9/53

Out: 62.104+/-0.007 χ^2/NDF:1752760.5/58

All: 62.084+/-0.005 χ^2/NDF: 2881634.0/112


asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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−2000
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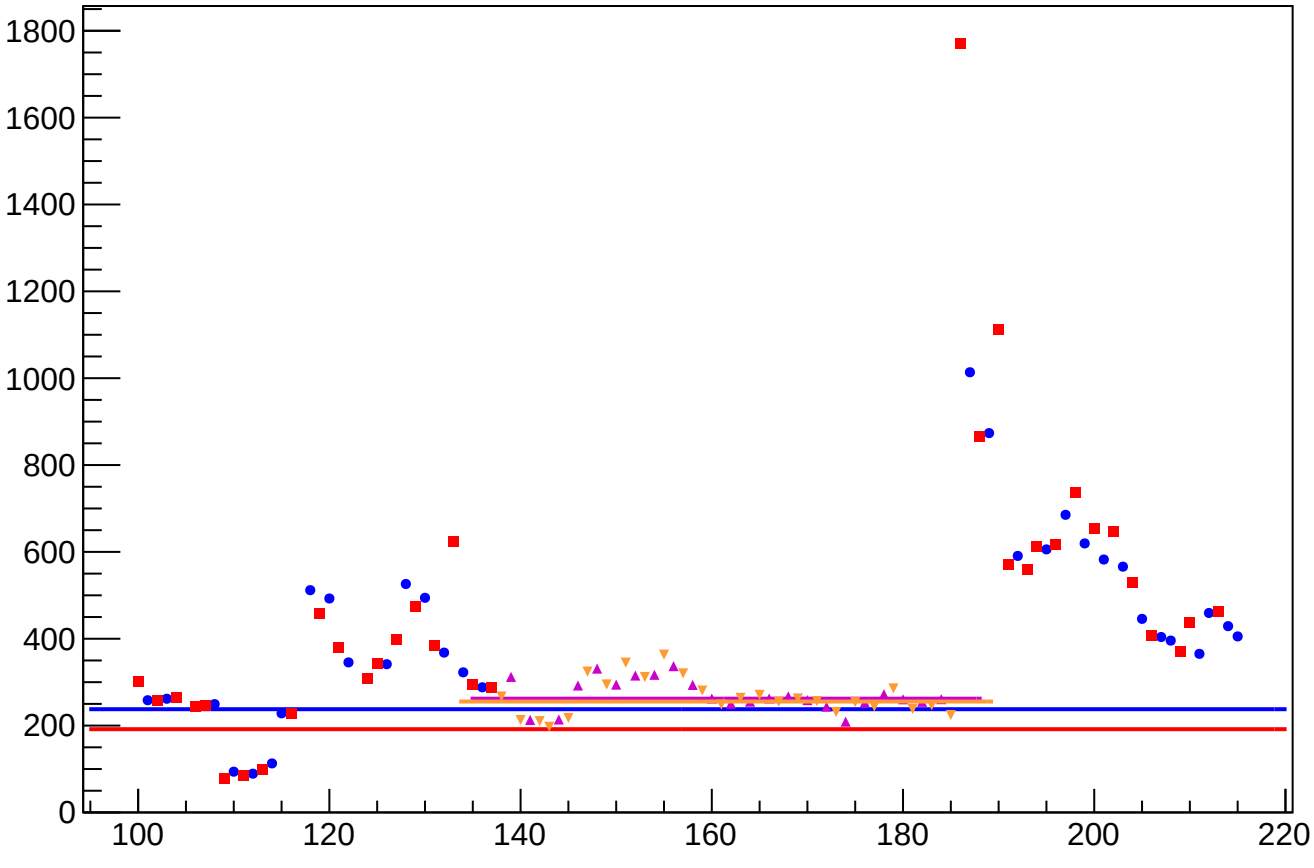
Right In: -203.619+/-66.989 χ²/NDF: 39.5/30
Left Out: -254.625+/-58.877 χ²/NDF:57.6/24
Right Out: 56.639+/-59.498 χ²/NDF: 33.4/33
Left In: 39.144+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -58.131+/-44.485 χ²/NDF: 81.4/64
In: -72.634+/-45.456 χ²/NDF:74.9/53
Out: -100.628+/-41.850 χ²/NDF:104.9/58
All: -87.785+/-30.788 χ²/NDF: 180.0/112


asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
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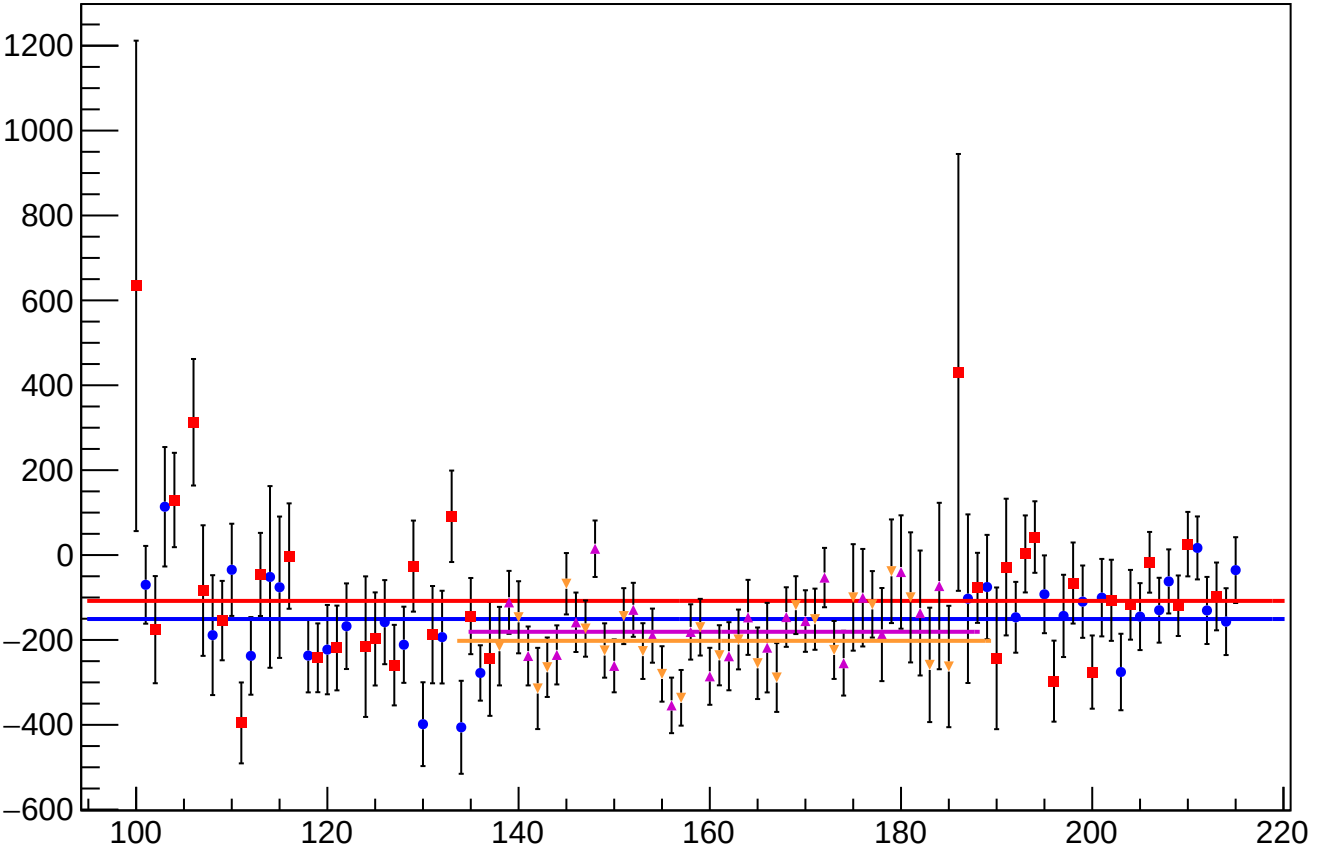
100
120
140
160
180
200
220
Right In: 237.752+/-0.047 χ²/NDF: 13020461.9/30
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 191.752+/-0.042 χ²/NDF: 16703523.6/33
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 212.037+/-0.031 χ²/NDF: 30251173.8/64
In: 250.839+/-0.032 χ²/NDF:13832511.1/53
Out: 223.945+/-0.030 χ²/NDF:18726298.6/58
All: 236.283+/-0.022 χ²/NDF: 32937724.7/11

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -150.706+/-16.774 χ^2/NDF: 36.6/30

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.007+/-17.249 χ^2/NDF: 57.7/33

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

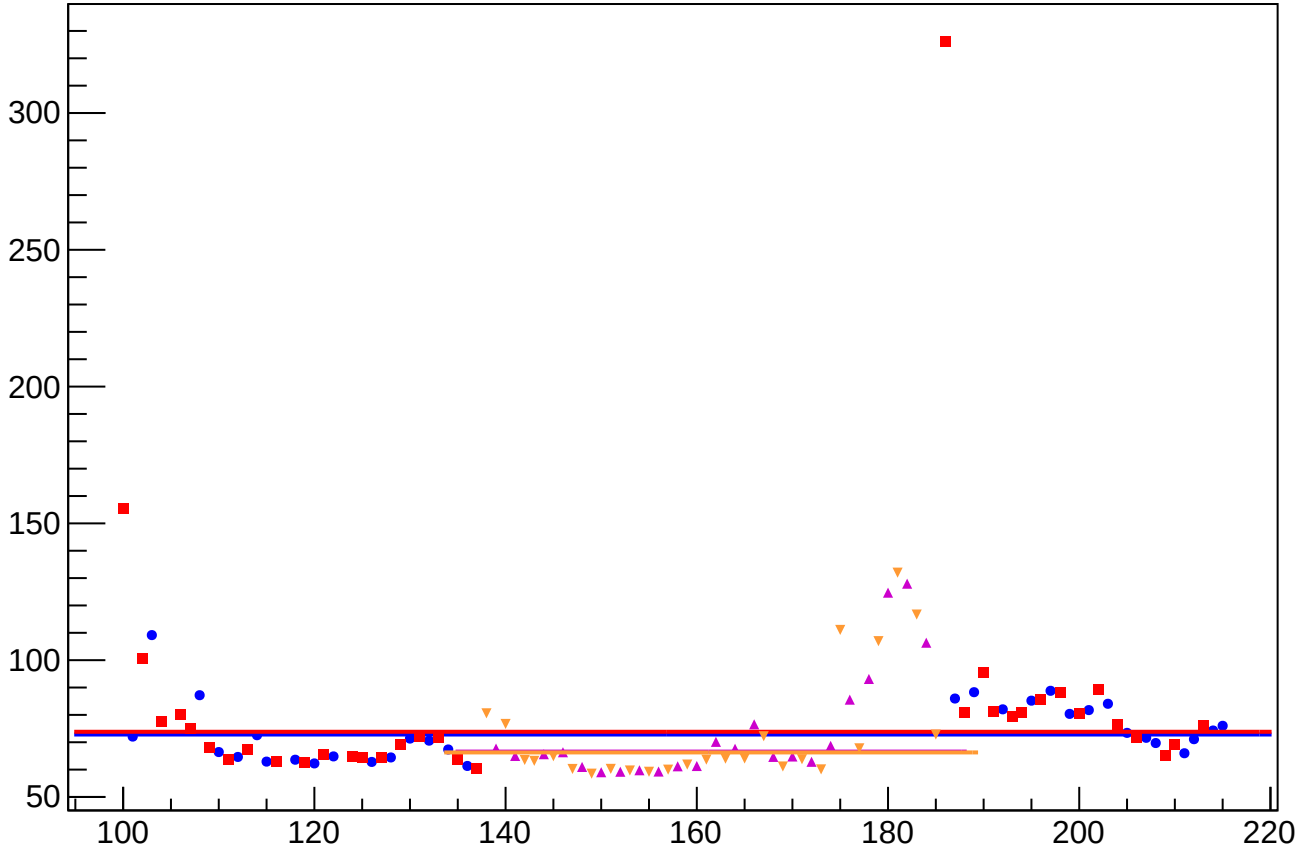
Right: -129.953+/-12.025 χ^2/NDF: 97.5/64

In: -166.437+/-11.585 χ^2/NDF:68.4/53

Out: -159.946+/-11.545 χ^2/NDF:95.7/58

All: -163.180+/-8.177 χ^2/NDF: 164.2/112

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.824+/-0.012 χ^2/NDF: 593590.2/30

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1068621.6/33

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

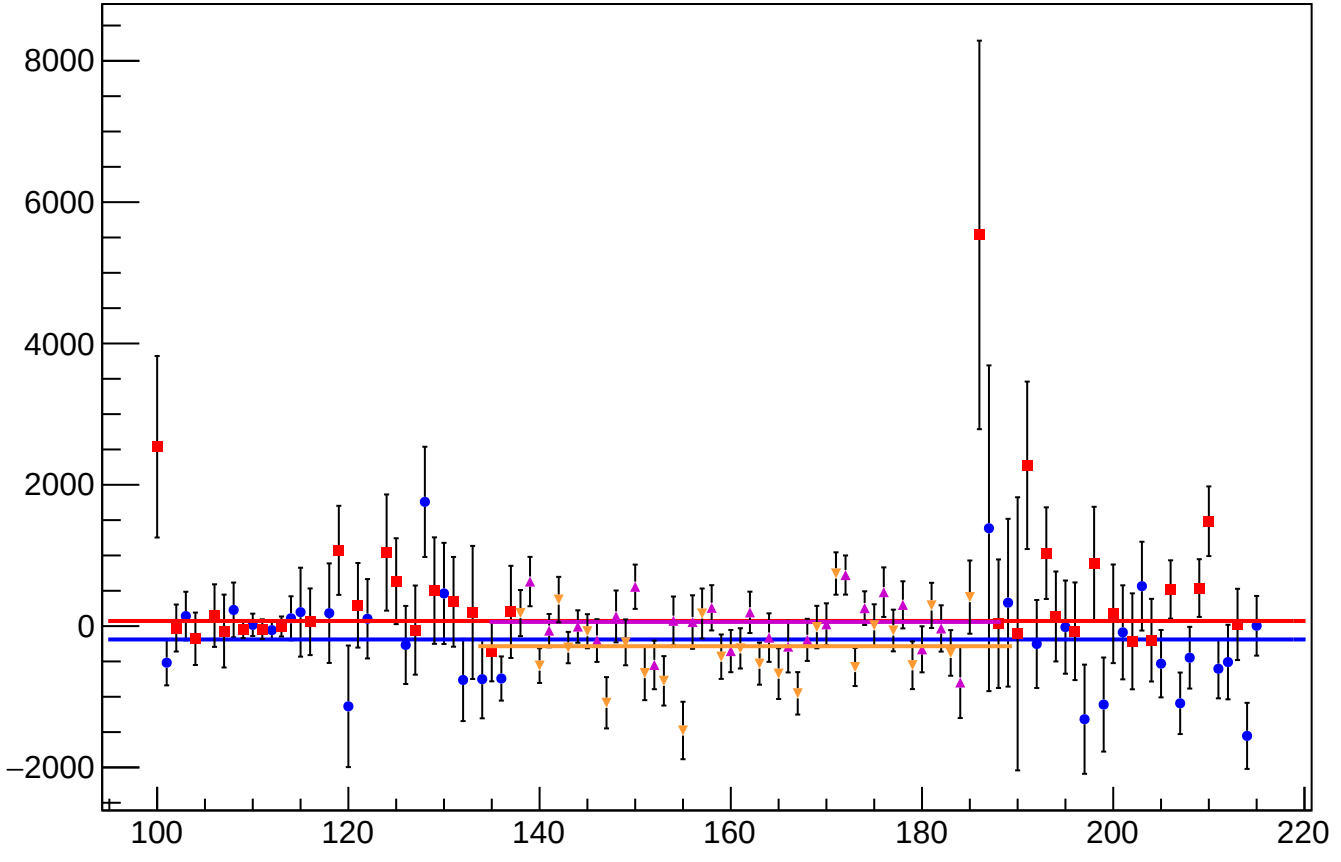
Right: 73.312+/-0.009 χ^2/NDF: 1665699.4/64

In: 69.561+/-0.008 χ^2/NDF:1896512.9/53

Out: 69.661+/-0.008 χ^2/NDF:2674004.1/58

All: 69.611+/-0.006 χ^2/NDF: 4570591.5/112

asym_sam8_dit_correction_mean vs Slug, Sign Corrected



Right In: -188.901+/-68.935 χ^2/NDF: 42.6/30

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 72.885+/-61.078 χ^2/NDF: 34.8/33

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

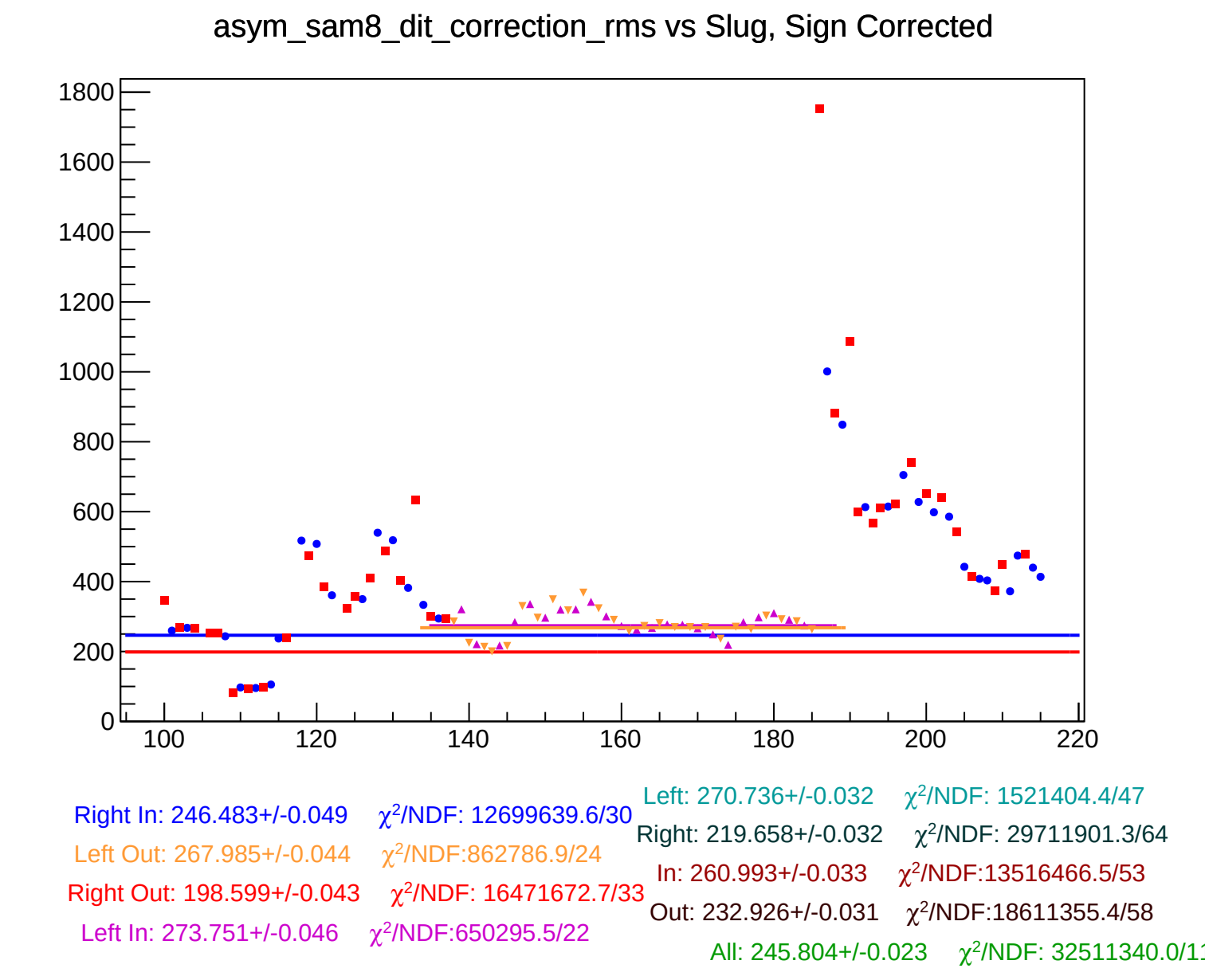
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -42.246+/-45.715 χ^2/NDF: 85.5/64

In: -56.895+/-47.151 χ^2/NDF:76.3/53

Out: -103.894+/-43.417 χ^2/NDF:106.4/58

All: -82.329+/-31.939 χ^2/NDF: 183.2/112


asym_sam8_dit_correction_rms vs Slug, Sign Corrected
1800
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120
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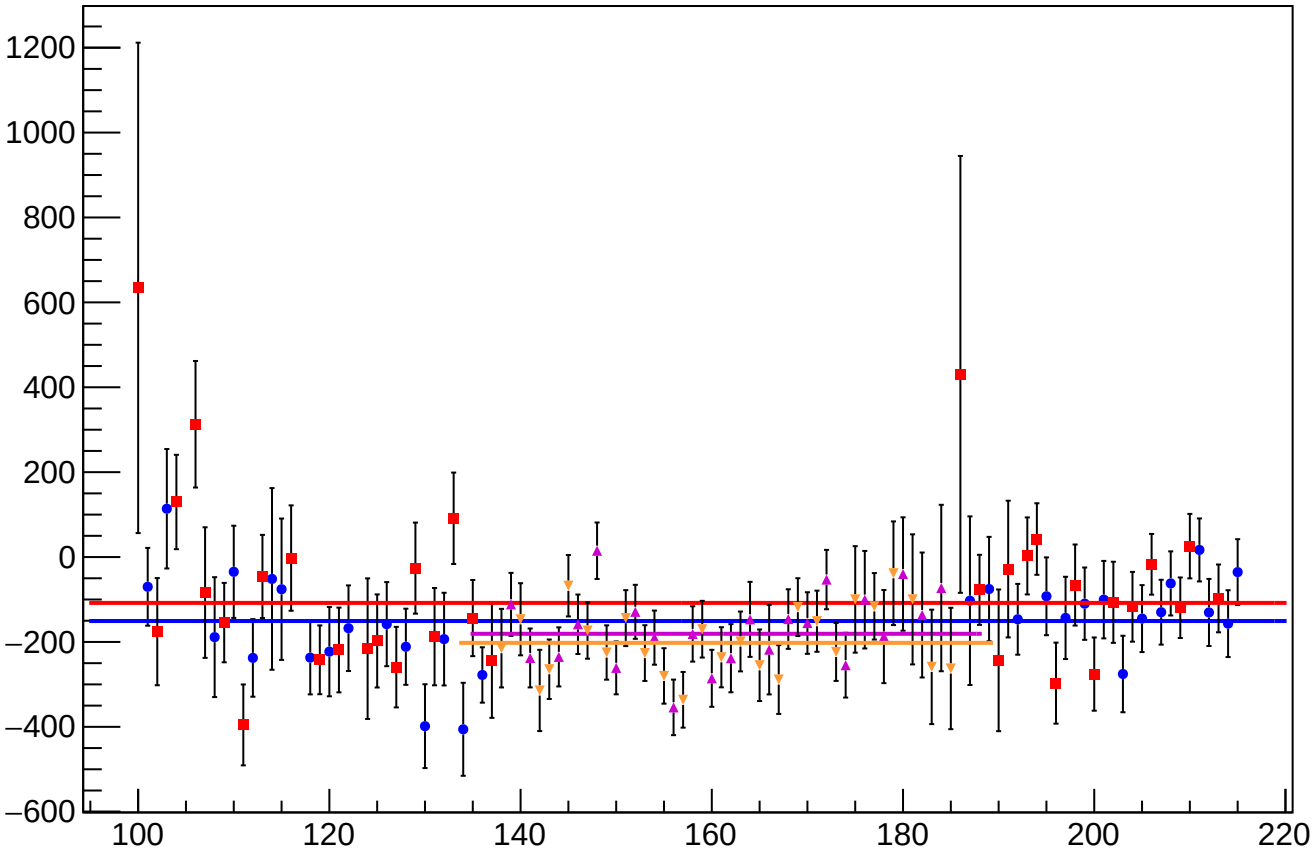
160
180
200
220
Right In: 246.483+/-0.049 χ²/NDF: 12699639.6/30
Left Out: 267.985+/-0.044 χ²/NDF:862786.9/24
Right Out: 198.599+/-0.043 χ²/NDF: 16471672.7/33
Left In: 273.751+/-0.046 χ²/NDF:650295.5/22
Left: 270.736+/-0.032 χ²/NDF: 1521404.4/47
Right: 219.658+/-0.032 χ²/NDF: 29711901.3/64
In: 260.993+/-0.033 χ²/NDF:13516466.5/53
Out: 232.926+/-0.031 χ²/NDF:18611355.4/58
All: 245.804+/-0.023 χ²/NDF: 32511340.0/11



Right In: -150.706+/-16.774 χ^2/NDF: 36.6/30

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -108.008+/-17.249 χ^2/NDF: 57.7/33

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

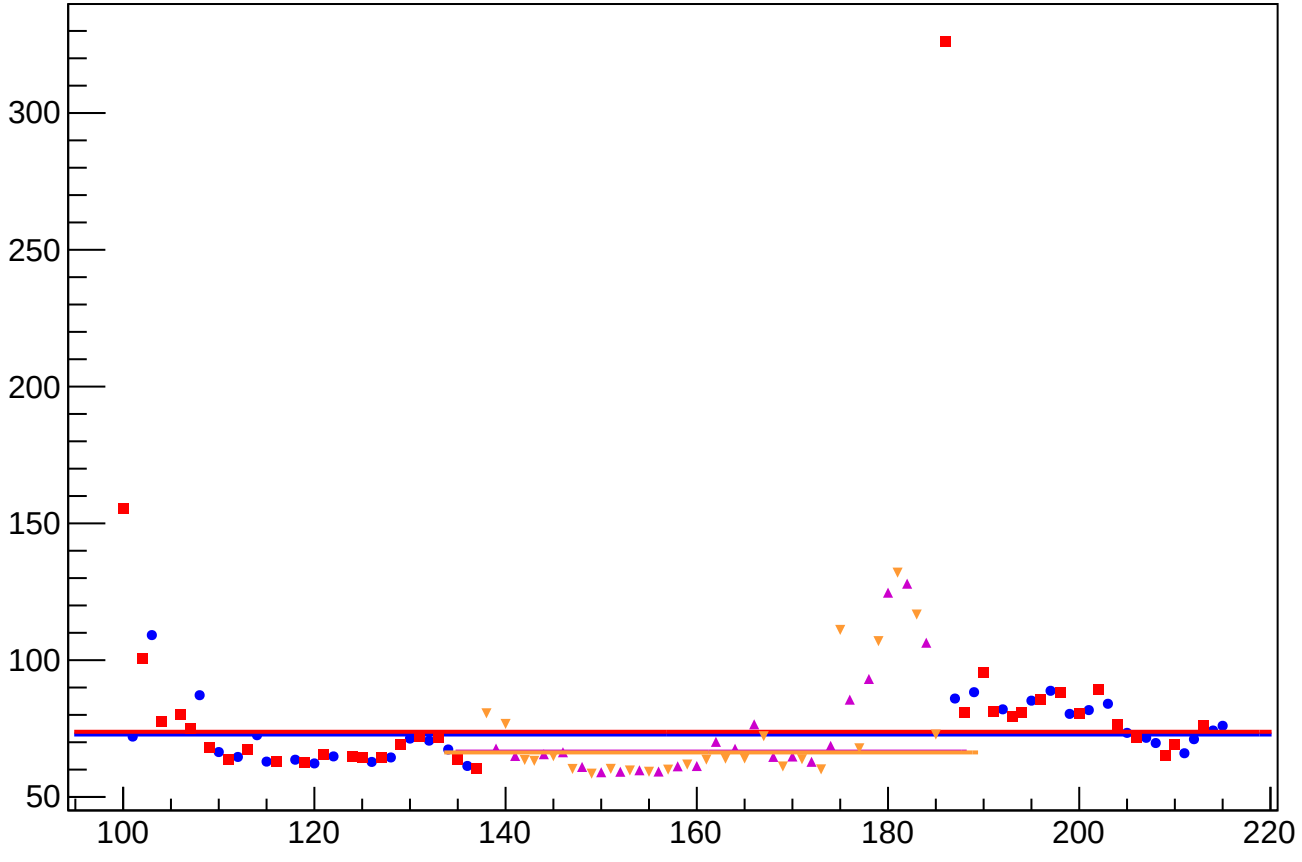
Right: -129.953+/-12.025 χ^2/NDF: 97.5/64

In: -166.437+/-11.585 χ^2/NDF:68.4/53

Out: -159.946+/-11.545 χ^2/NDF:95.7/58

All: -163.180+/-8.177 χ^2/NDF: 164.2/112

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.824+/-0.012 χ^2/NDF: 593593.7/30

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1068625.8/33

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

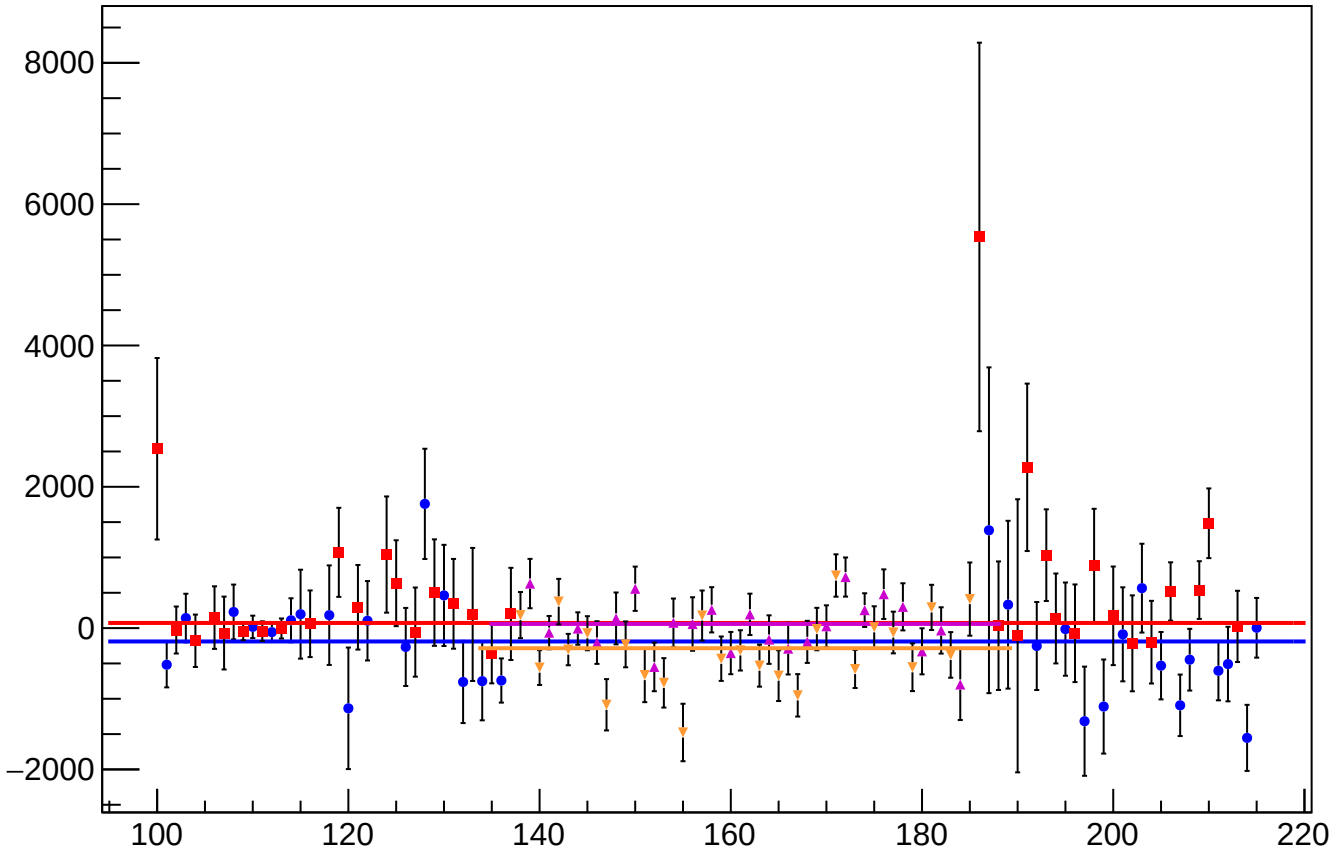
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 73.312+/-0.009 χ^2/NDF: 1665706.9/64

In: 69.561+/-0.008 χ^2/NDF:1896501.7/53

Out: 69.661+/-0.008 χ^2/NDF:2673999.6/58

All: 69.611+/-0.006 χ^2/NDF: 4570575.7/112



Right In: -188.899+/-68.935 χ^2/NDF: 42.6/30

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 72.884+/-61.078 χ^2/NDF: 34.8/33

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

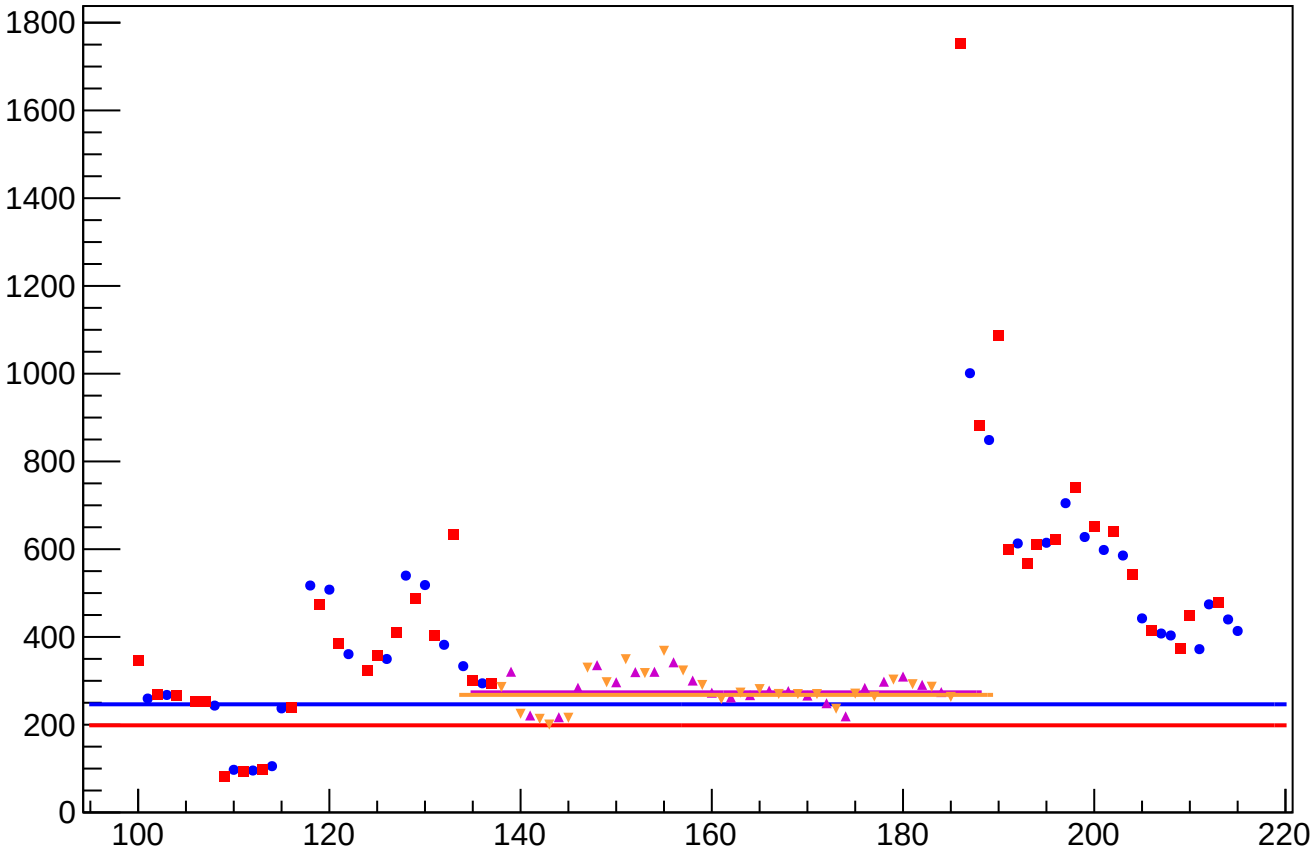
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -42.246+/-45.715 χ^2/NDF: 85.5/64

In: -56.894+/-47.151 χ^2/NDF:76.3/53

Out: -103.895+/-43.416 χ^2/NDF:106.4/58

All: -82.329+/-31.939 χ^2/NDF: 183.2/112


asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected
1800
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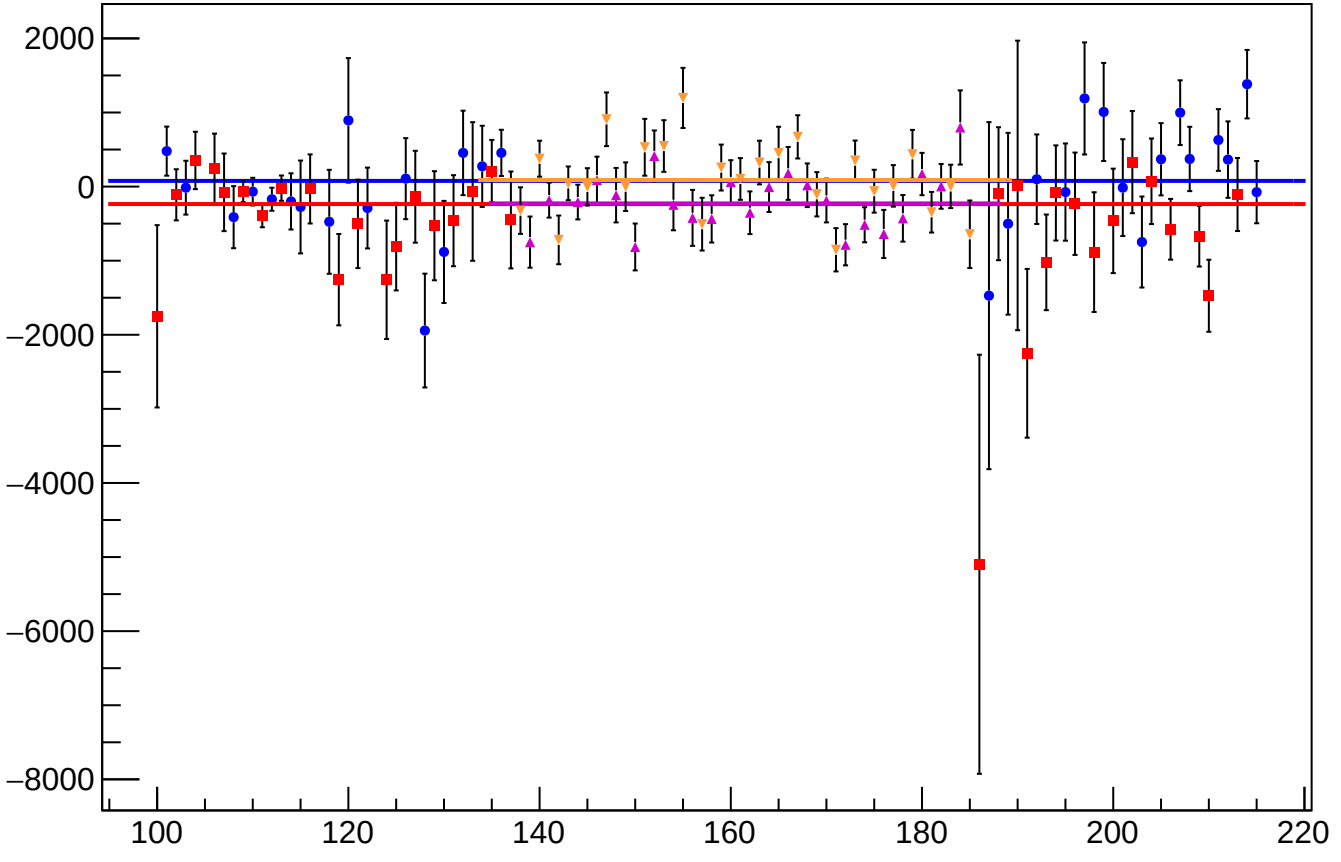
140
160
180
200
220
Right In: 246.481+/-0.049 χ²/NDF: 12699725.5/30
Left Out: 267.985+/-0.044 χ²/NDF:862797.1/24
Right Out: 198.599+/-0.043 χ²/NDF: 16471660.3/33
Left In: 273.750+/-0.046 χ²/NDF:650300.9/22
Left: 270.735+/-0.032 χ²/NDF: 1521420.2/47
Right: 219.657+/-0.032 χ²/NDF: 29711950.3/64
In: 260.992+/-0.033 χ²/NDF:13516569.3/53
Out: 232.925+/-0.031 χ²/NDF:18611343.0/58
All: 245.803+/-0.023 χ²/NDF: 32511415.1/1

asym_sam8_mean vs Slug, Sign Corrected



Right In: 76.815+/-74.123 χ^2/NDF: 41.9/30

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -235.634+/-67.739 χ^2/NDF: 34.0/33

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

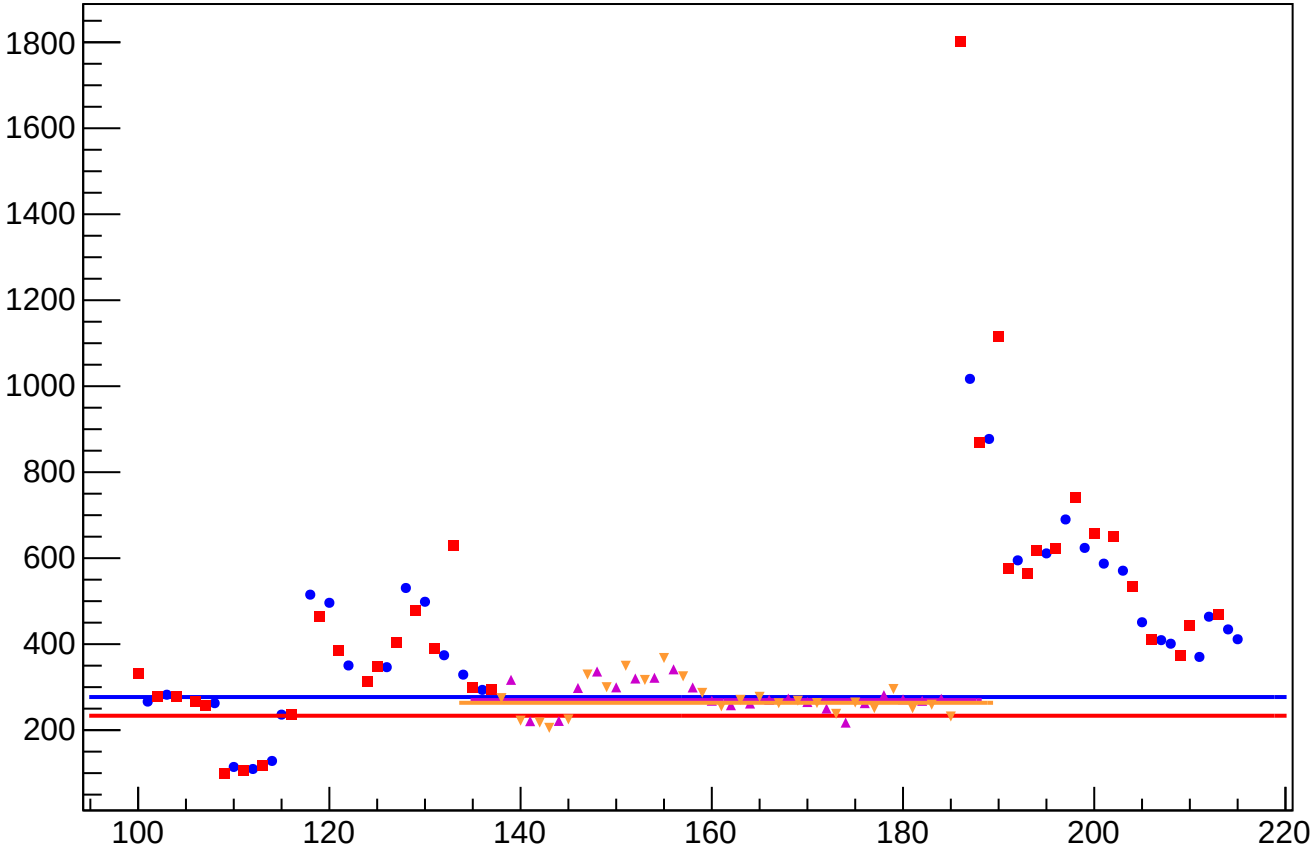
Right: -93.442+/-50.004 χ^2/NDF: 85.6/64

In: -97.916+/-48.301 χ^2/NDF:80.4/53

Out: -55.823+/-45.192 χ^2/NDF:98.9/58

All: -75.471+/-33.000 χ^2/NDF: 179.7/112

asym_sam8_rms vs Slug, Sign Corrected



Right In: 276.980+/-0.052 χ^2/NDF: 10297223.4/30

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 233.493+/-0.048 χ^2/NDF: 13896769.4/33

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

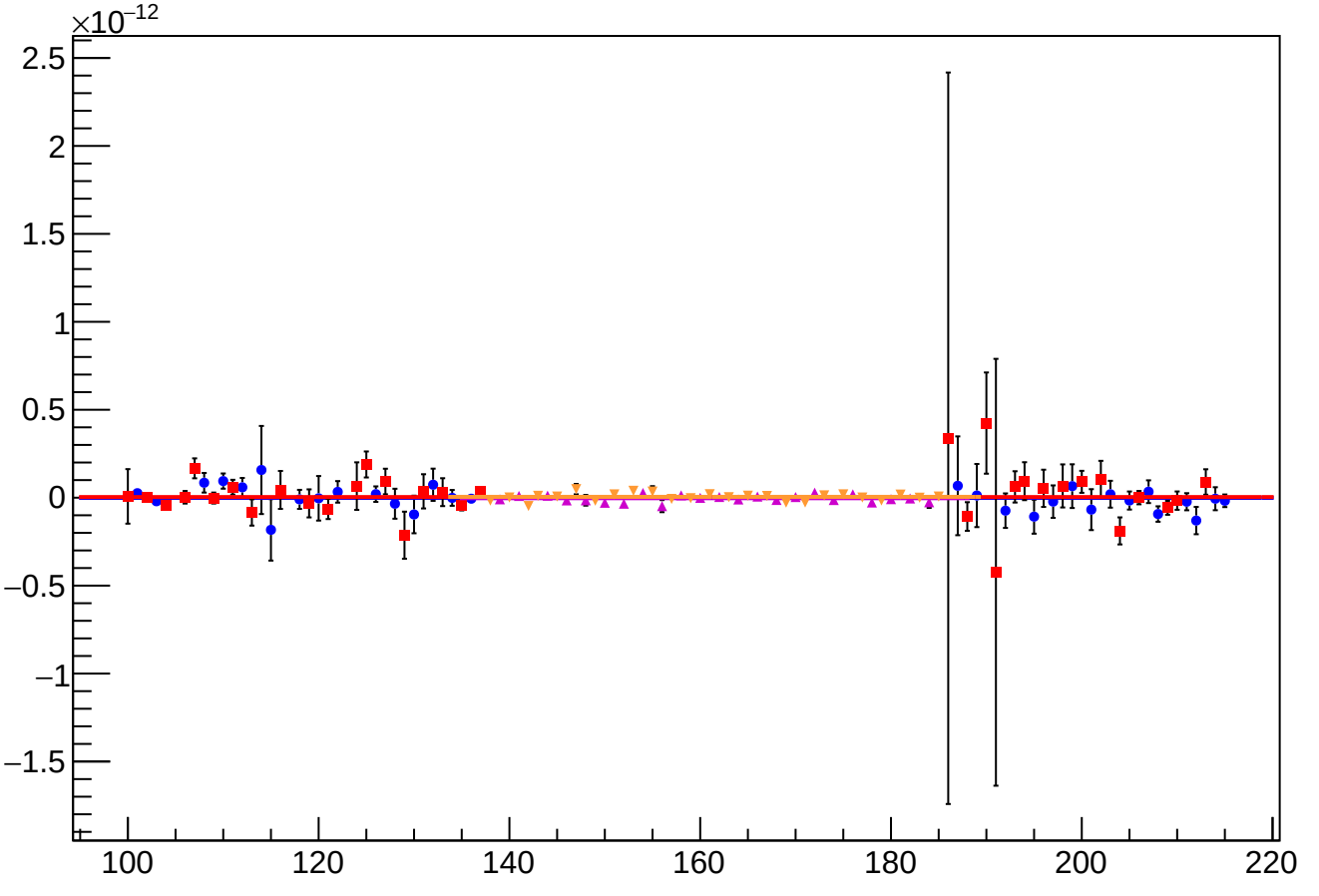
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 253.283+/-0.035 χ^2/NDF: 24569119.5/64

In: 272.905+/-0.034 χ^2/NDF:10909974.5/53

Out: 250.196+/-0.032 χ^2/NDF:14895758.3/58

All: 260.796+/-0.023 χ^2/NDF: 26041472.2/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 49.4/33

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

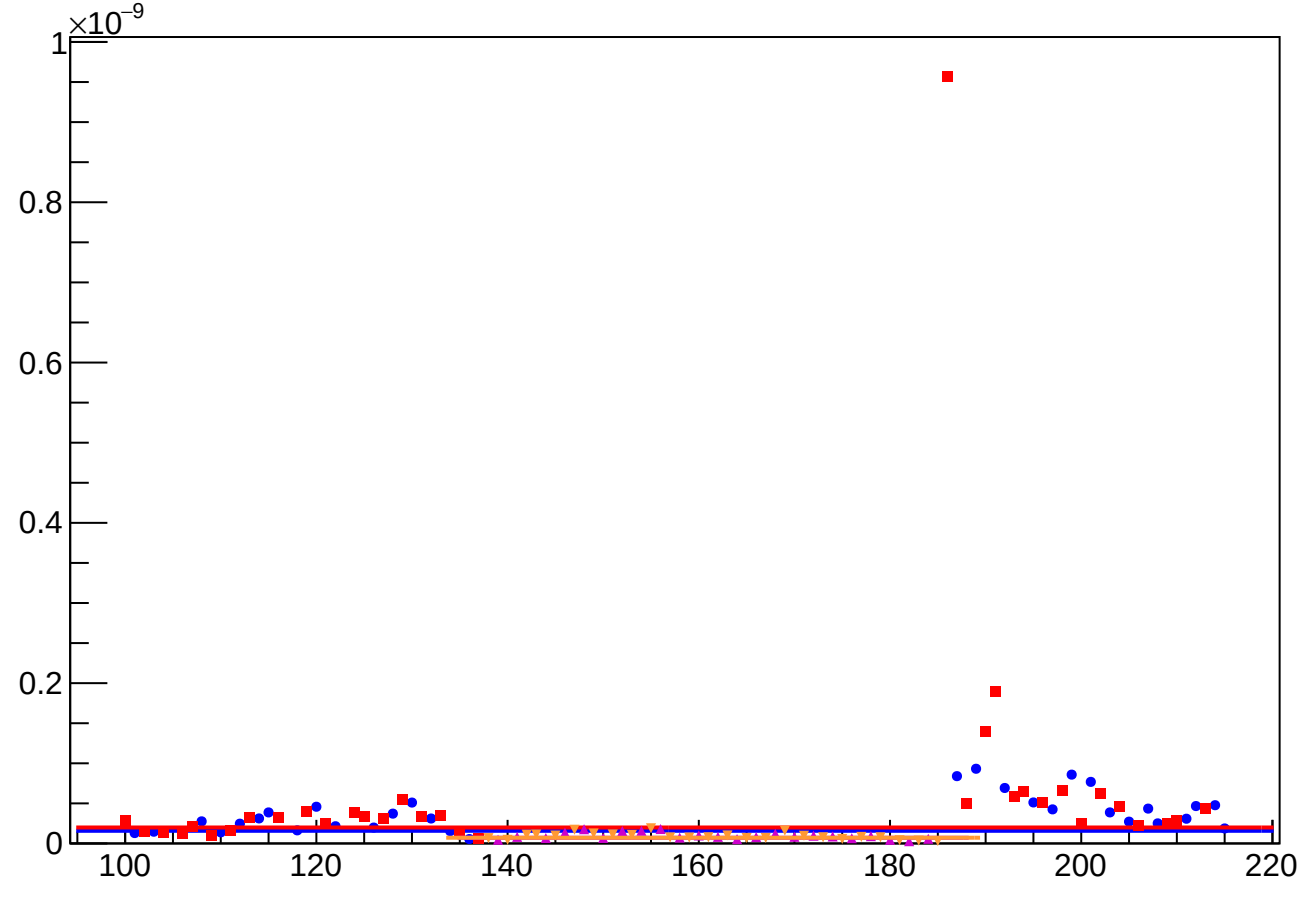
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 74.6/64

In: -0.000+/-0.000 χ^2/NDF:46.6/53

Out: 0.000+/-0.000 χ^2/NDF:77.3/58

All: 0.000+/-0.000 χ^2/NDF: 127.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 6820503.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4936354.7/33

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

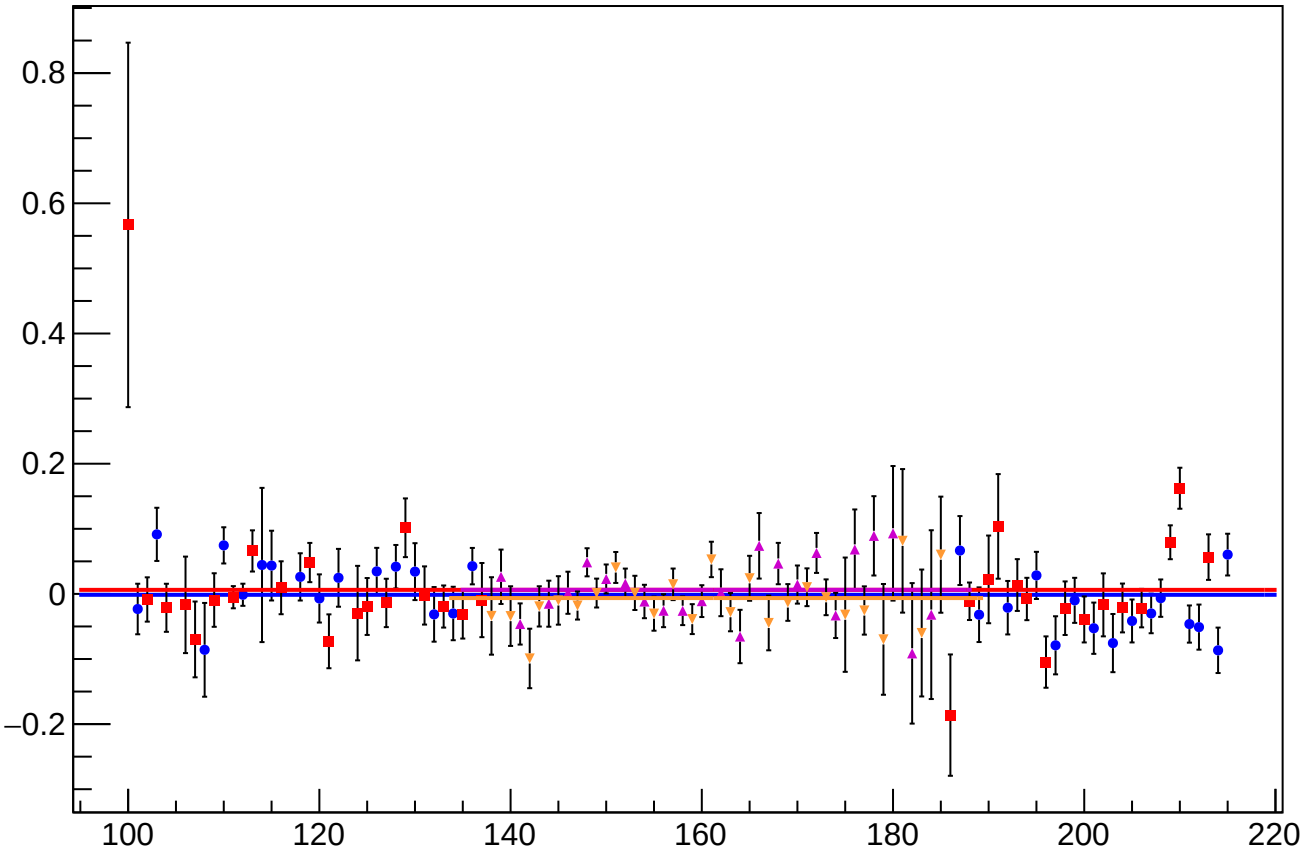
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12009402.6/64

In: 0.000+/-0.000 χ^2/NDF:11200010.6/53

Out: 0.000+/-0.000 χ^2/NDF:10568979.0/58

All: 0.000+/-0.000 χ^2/NDF: 21769253.0/112



Right In: -0.001+/-0.006 χ^2/NDF: 50.2/30

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.006+/-0.006 χ^2/NDF: 76.0/33

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

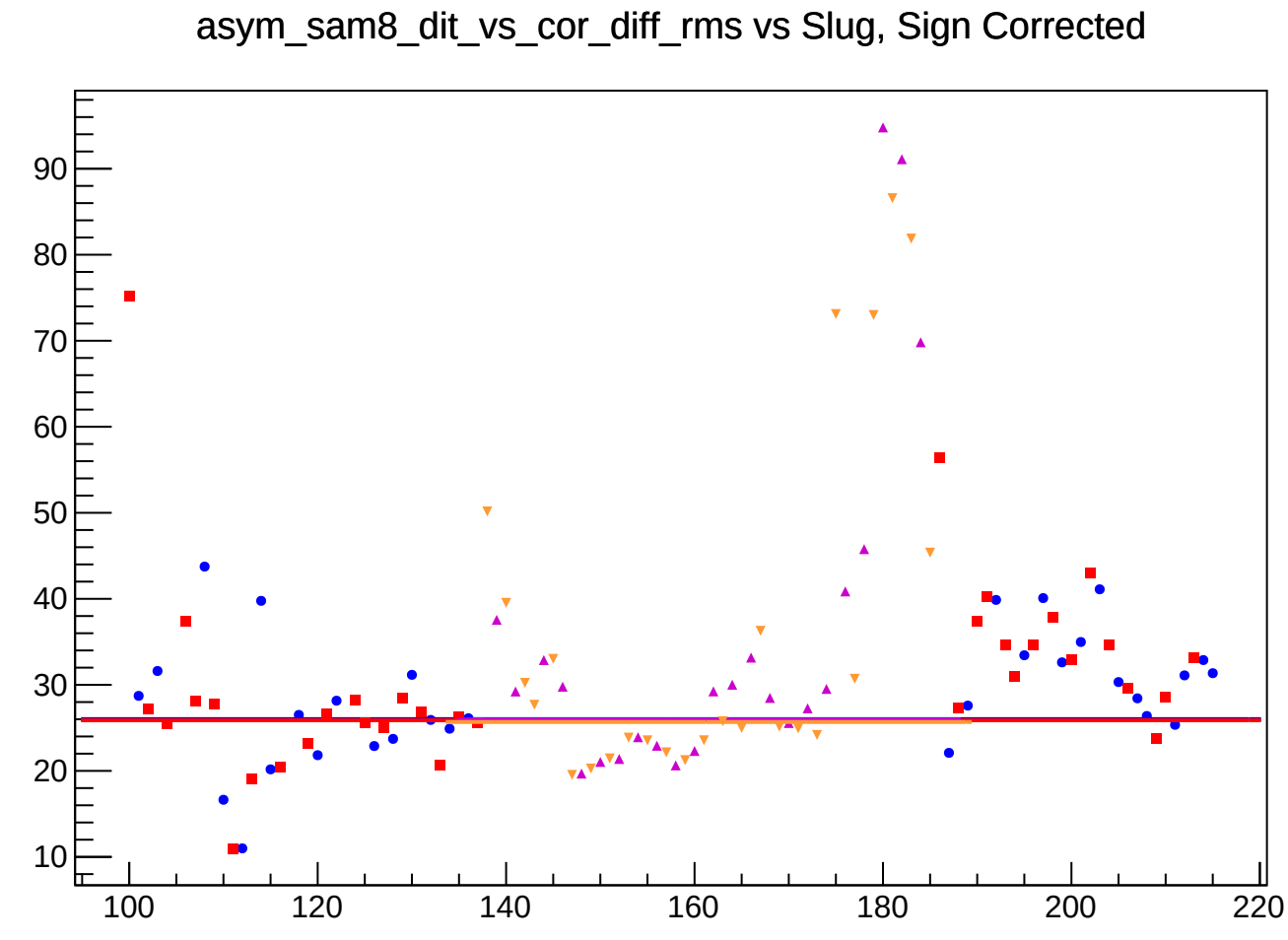
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.002+/-0.004 χ^2/NDF: 126.9/64

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.001+/-0.003 χ^2/NDF: 179.9/112



Right In: 26.014+/-0.004 χ^2/NDF: 3248036.8/30

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.884+/-0.004 χ^2/NDF: 3211802.4/33

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

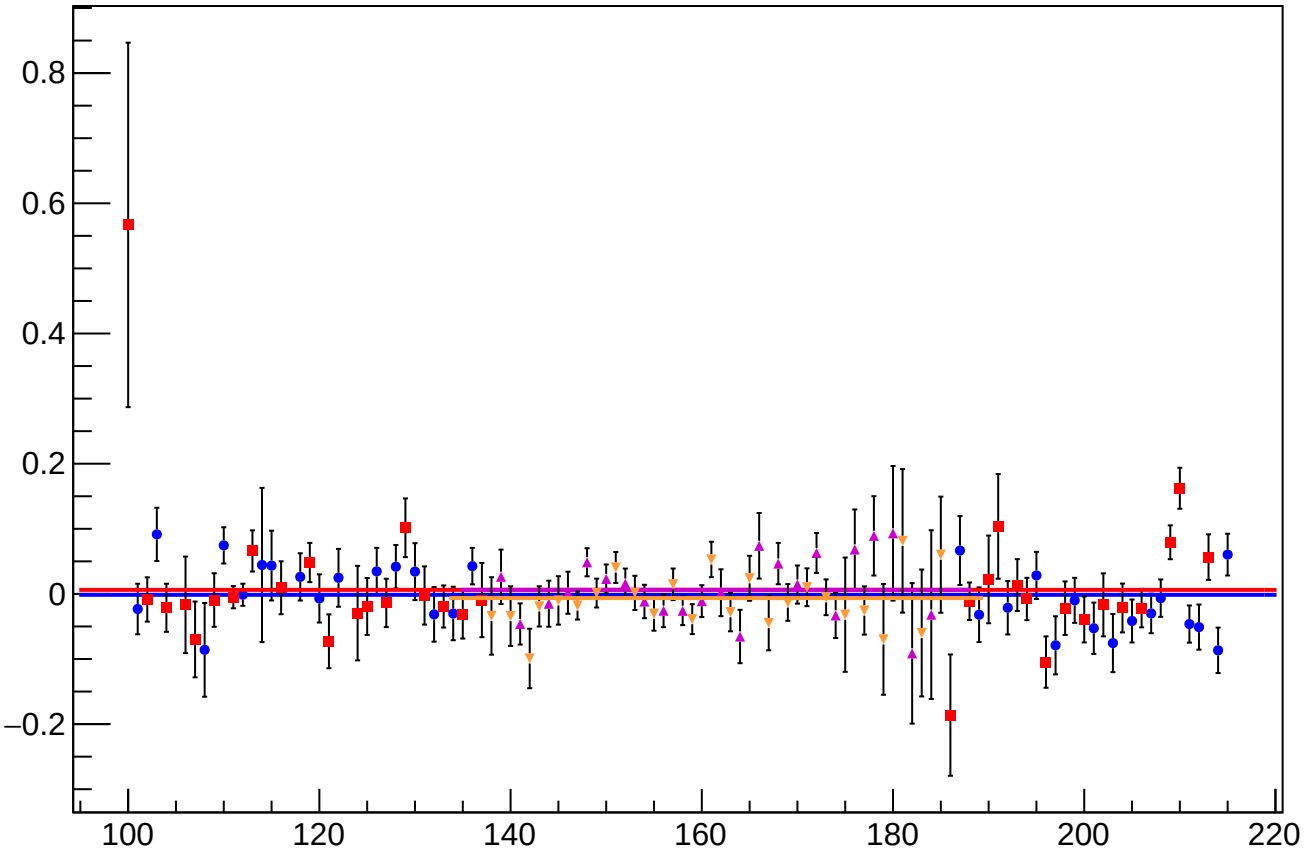
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.950+/-0.003 χ^2/NDF: 6460262.1/64

In: 25.994+/-0.003 χ^2/NDF:6366415.8/53

Out: 25.785+/-0.003 χ^2/NDF:7084316.9/58

All: 25.888+/-0.002 χ^2/NDF: 13452851.6/112



Right In: -0.001+/-0.006 χ^2/NDF: 50.2/30

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.006+/-0.006 χ^2/NDF: 76.0/33

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

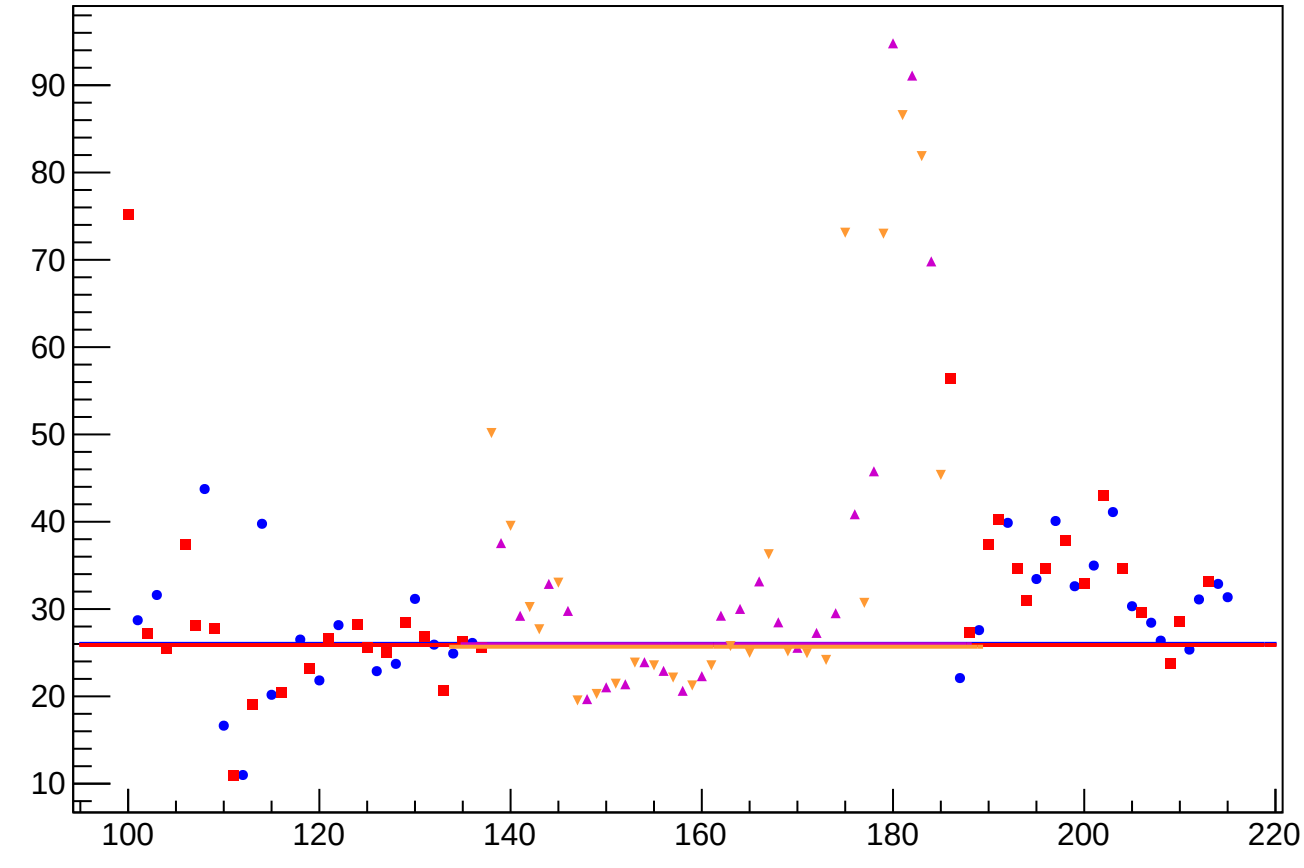
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.002+/-0.004 χ^2/NDF: 126.9/64

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.001+/-0.003 χ^2/NDF: 179.9/112



Right In: 26.014+/-0.004 χ^2/NDF: 3248036.8/30

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.884+/-0.004 χ^2/NDF: 3211802.4/33

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

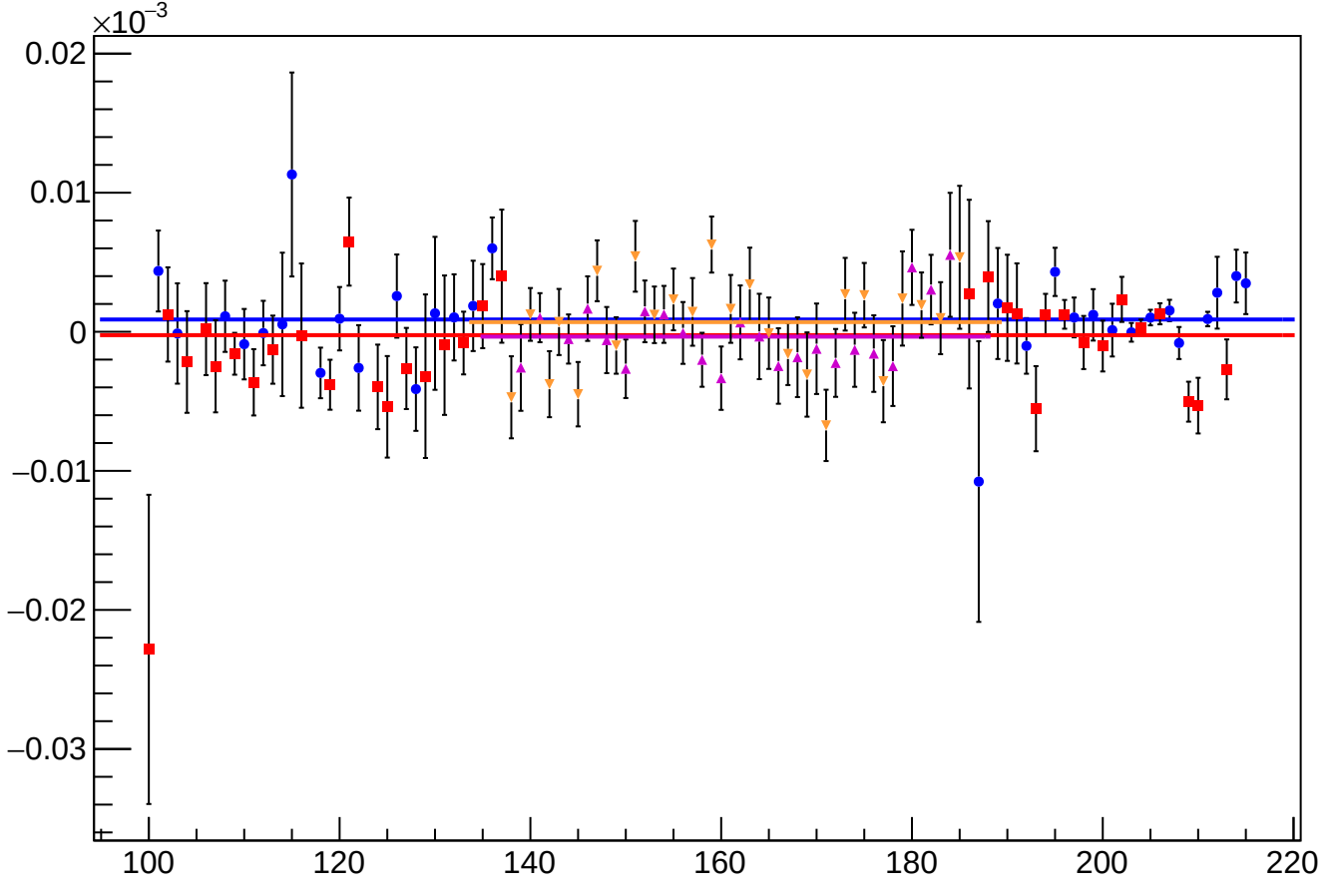
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.950+/-0.003 χ^2/NDF: 6460262.1/64

In: 25.994+/-0.003 χ^2/NDF:6366415.8/53

Out: 25.785+/-0.003 χ^2/NDF:7084316.9/58

All: 25.888+/-0.002 χ^2/NDF: 13452851.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 56.8/33

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

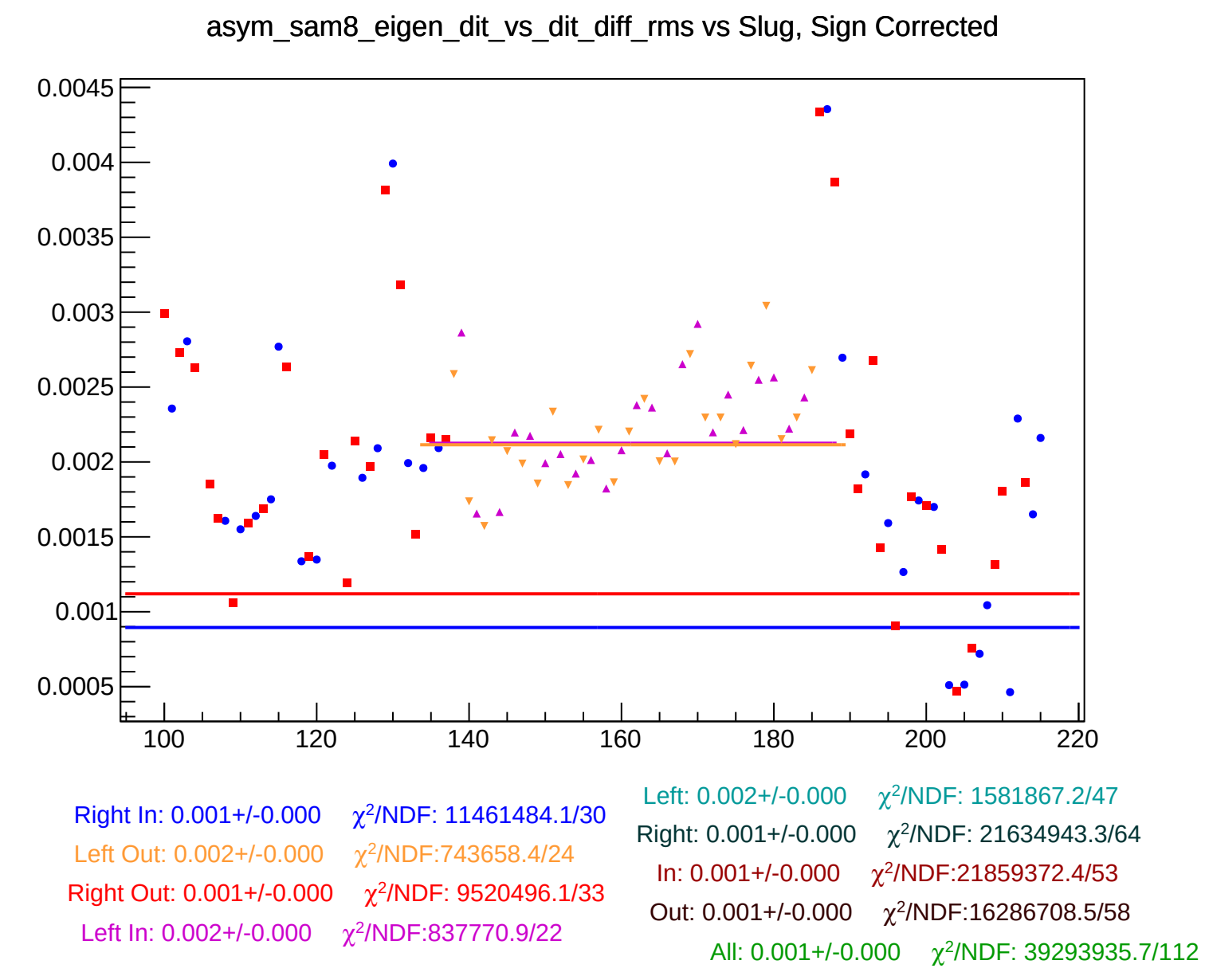
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

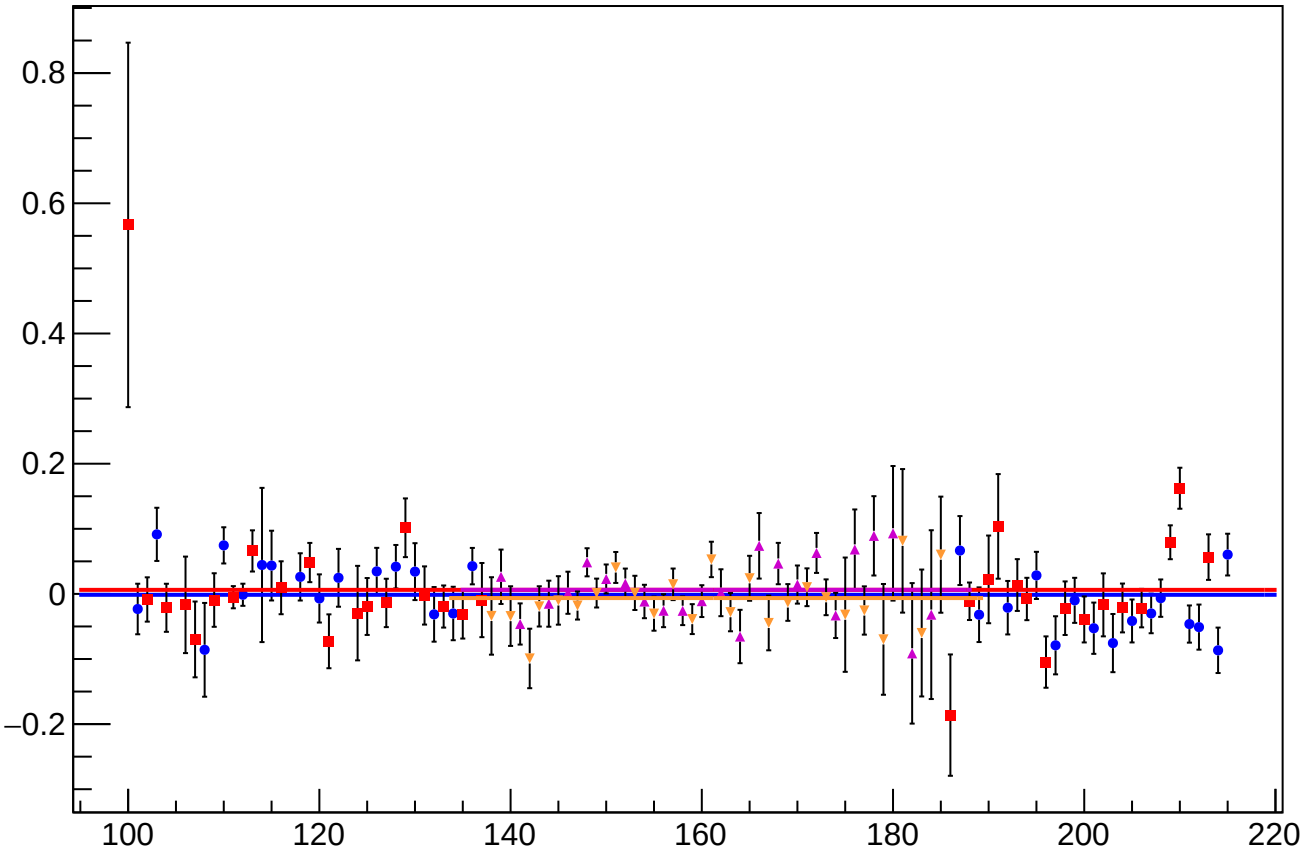
Right: 0.000+/-0.000 χ^2/NDF: 99.3/64

In: 0.000+/-0.000 χ^2/NDF:55.5/53

Out: 0.000+/-0.000 χ^2/NDF:103.8/58

All: 0.000+/-0.000 χ^2/NDF: 162.6/112


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: 11461484.1/30
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 9520496.1/33
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: 21634943.3/64
In: 0.001+/-0.000 χ²/NDF:21859372.4/53
Out: 0.001+/-0.000 χ²/NDF:16286708.5/58
All: 0.001+/-0.000 χ²/NDF: 39293935.7/112



Right In: -0.001+/-0.006 χ^2/NDF: 50.2/30

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.006+/-0.006 χ^2/NDF: 76.0/33

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

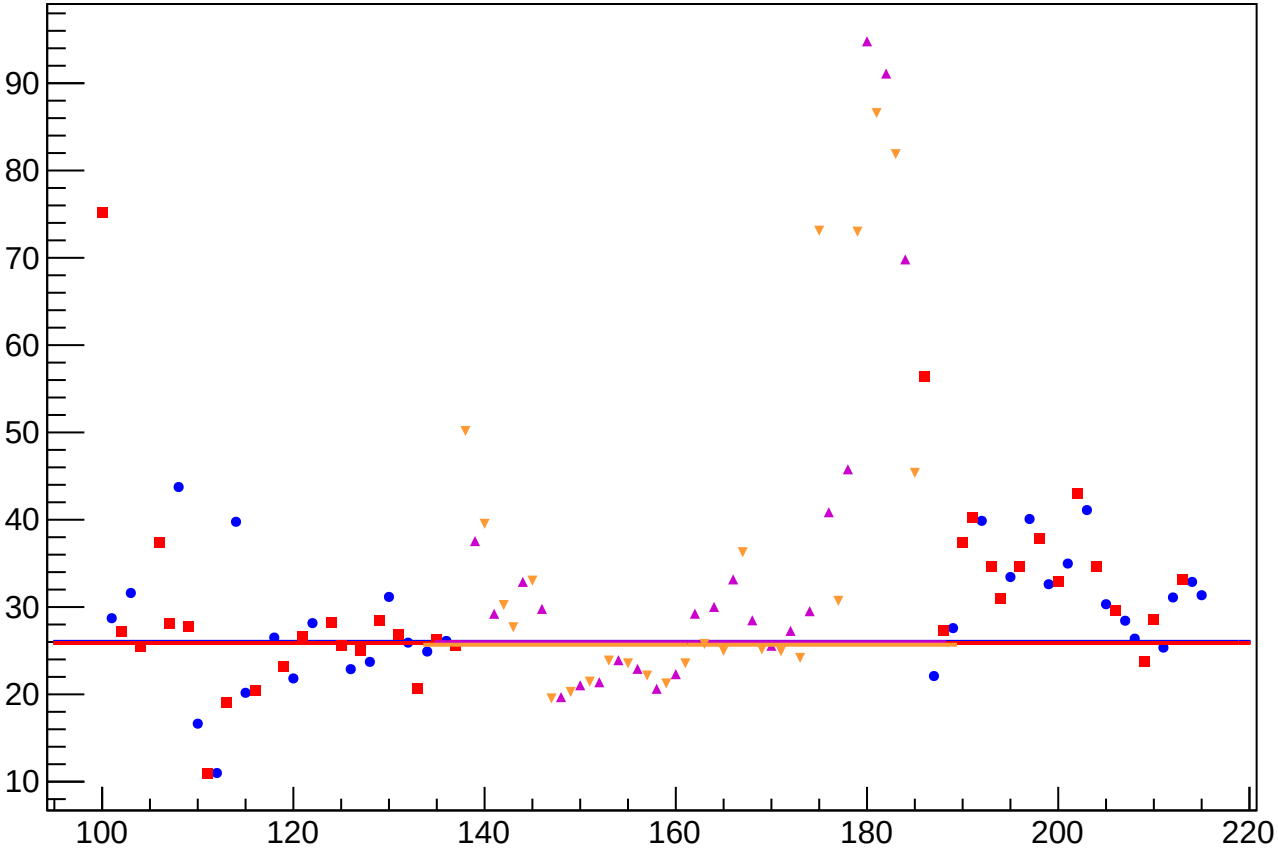
Right: 0.002+/-0.004 χ^2/NDF: 126.9/64

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.001+/-0.003 χ^2/NDF: 179.9/112

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.014+/-0.004 χ^2/NDF: 3248318.0/30

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.883+/-0.004 χ^2/NDF: 3212078.7/33

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

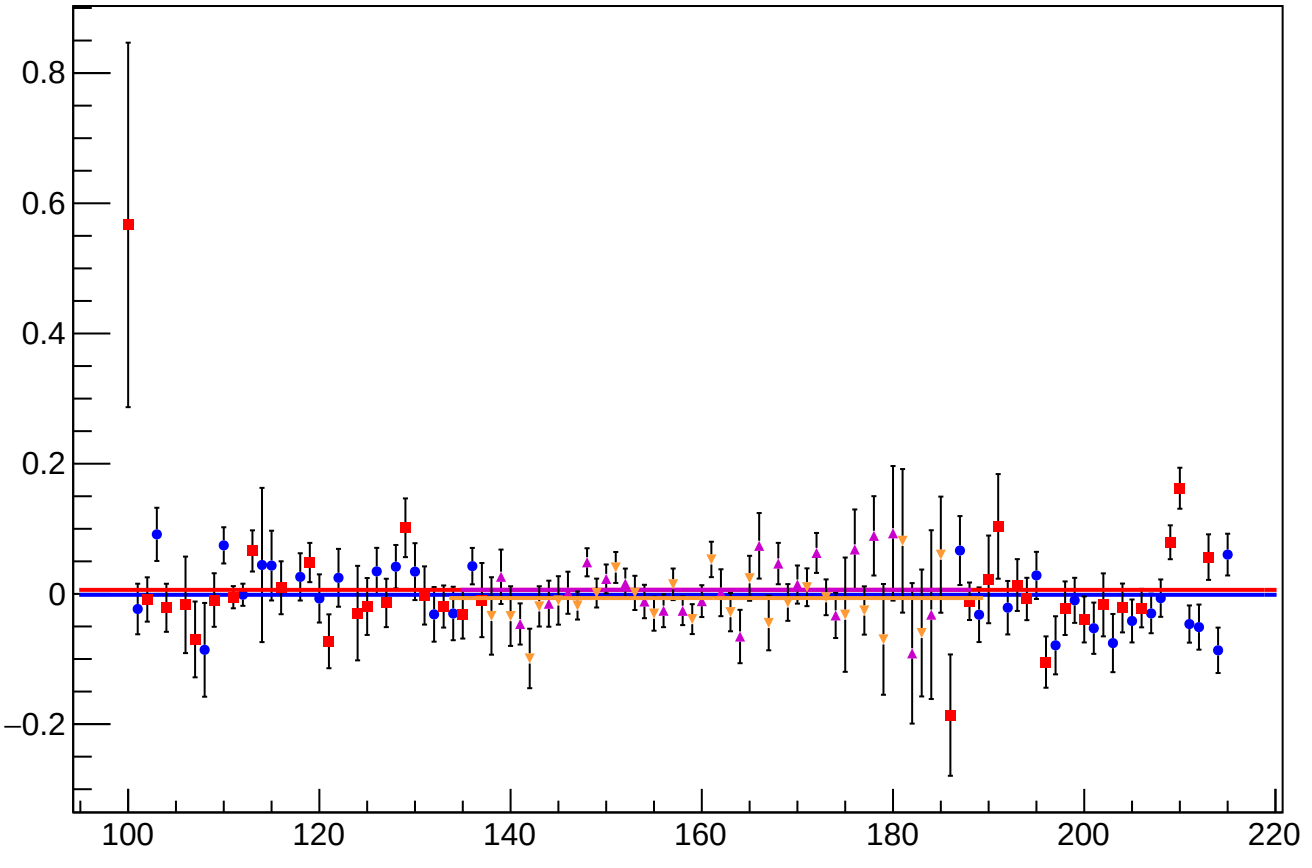
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.949+/-0.003 χ^2/NDF: 6460820.3/64

In: 25.994+/-0.003 χ^2/NDF:6366675.3/53

Out: 25.785+/-0.003 χ^2/NDF:7084590.2/58

All: 25.888+/-0.002 χ^2/NDF: 13453385.6/112



Right In: -0.001+/-0.006 χ^2/NDF: 50.2/30

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.006+/-0.006 χ^2/NDF: 76.0/33

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

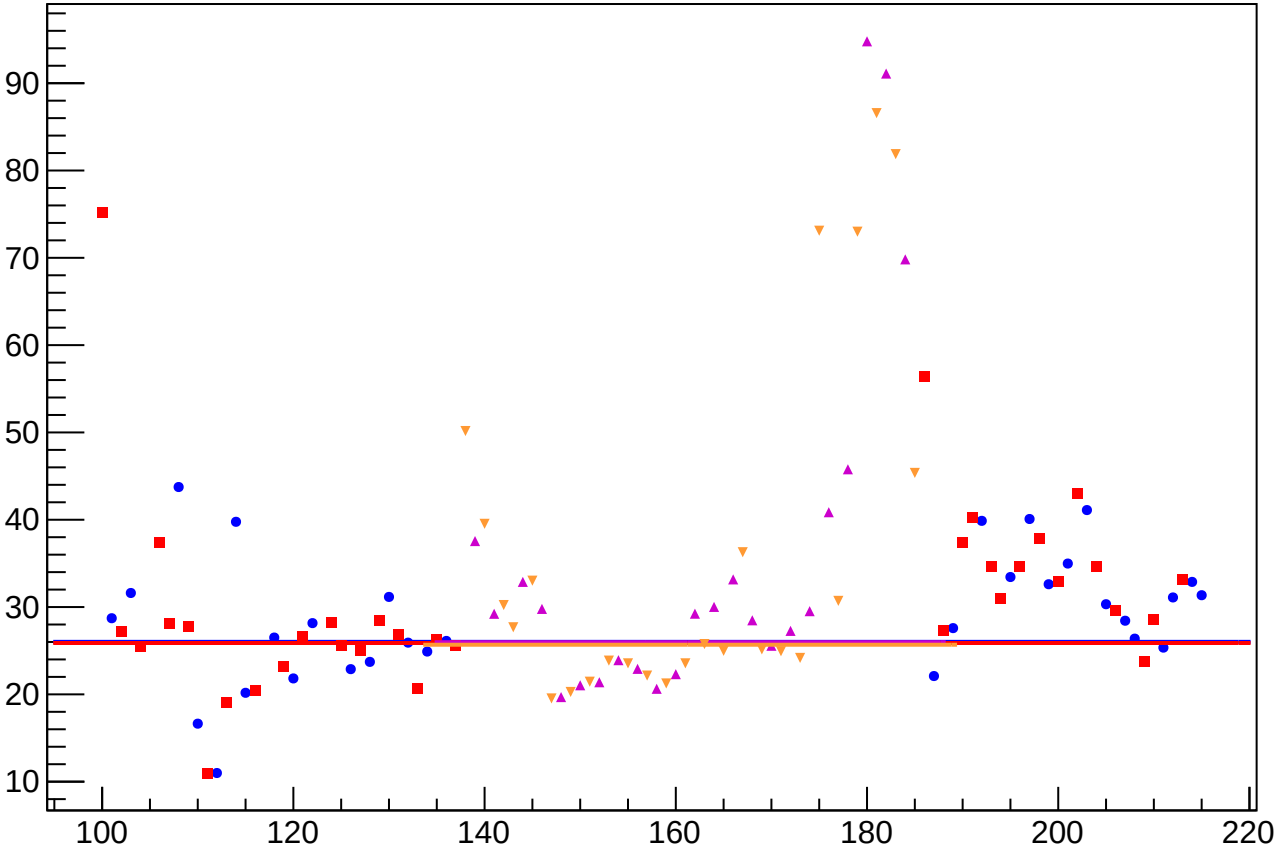
Right: 0.002+/-0.004 χ^2/NDF: 126.9/64

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: -0.000+/-0.005 χ^2/NDF:100.5/58

All: 0.001+/-0.003 χ^2/NDF: 179.9/112

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.014+/-0.004 χ^2/NDF: 3248318.0/30

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.883+/-0.004 χ^2/NDF: 3212078.7/33

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

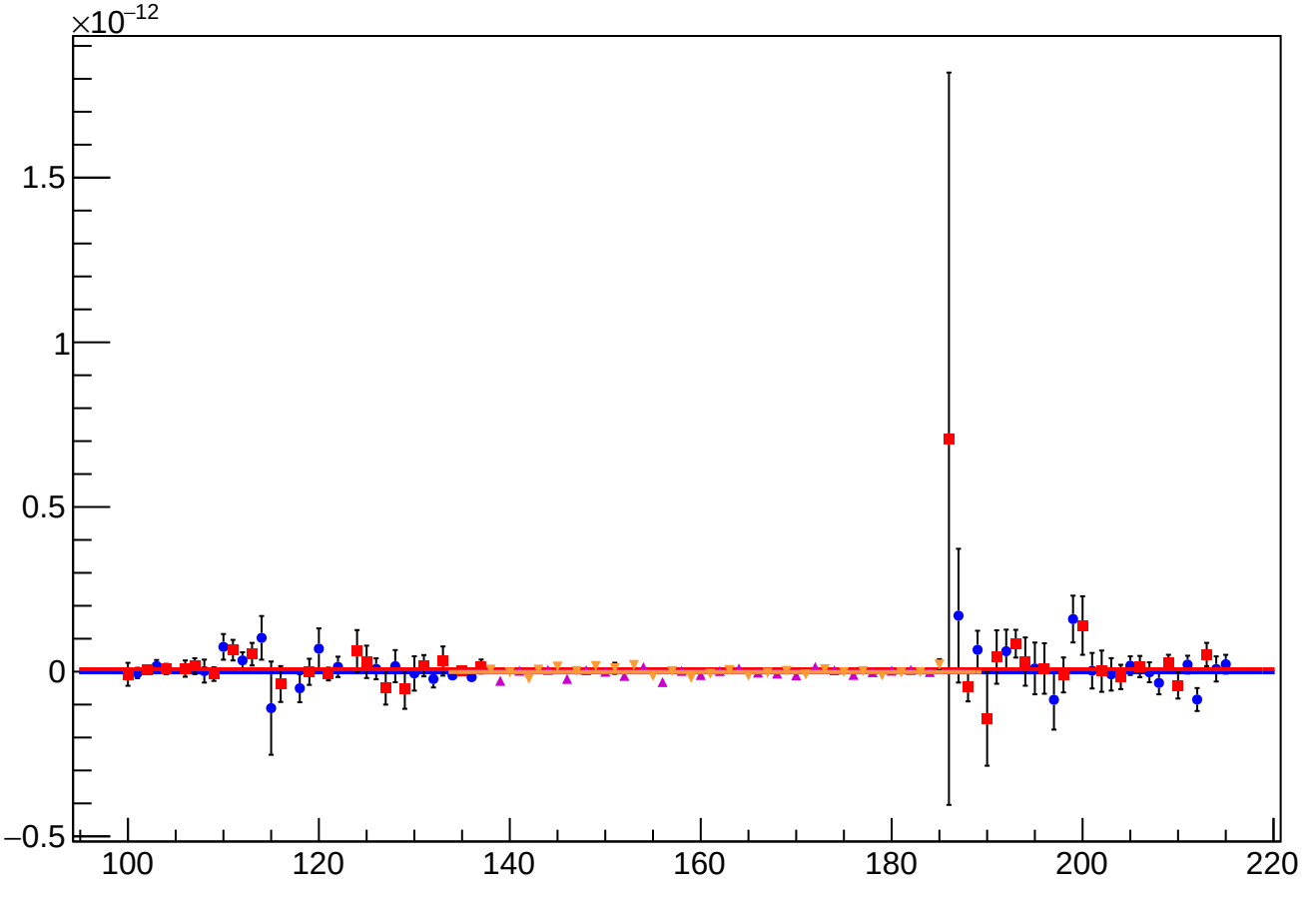
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.949+/-0.003 χ^2/NDF: 6460820.3/64

In: 25.994+/-0.003 χ^2/NDF:6366675.3/53

Out: 25.785+/-0.003 χ^2/NDF:7084590.2/58

All: 25.888+/-0.002 χ^2/NDF: 13453385.6/112



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/33

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

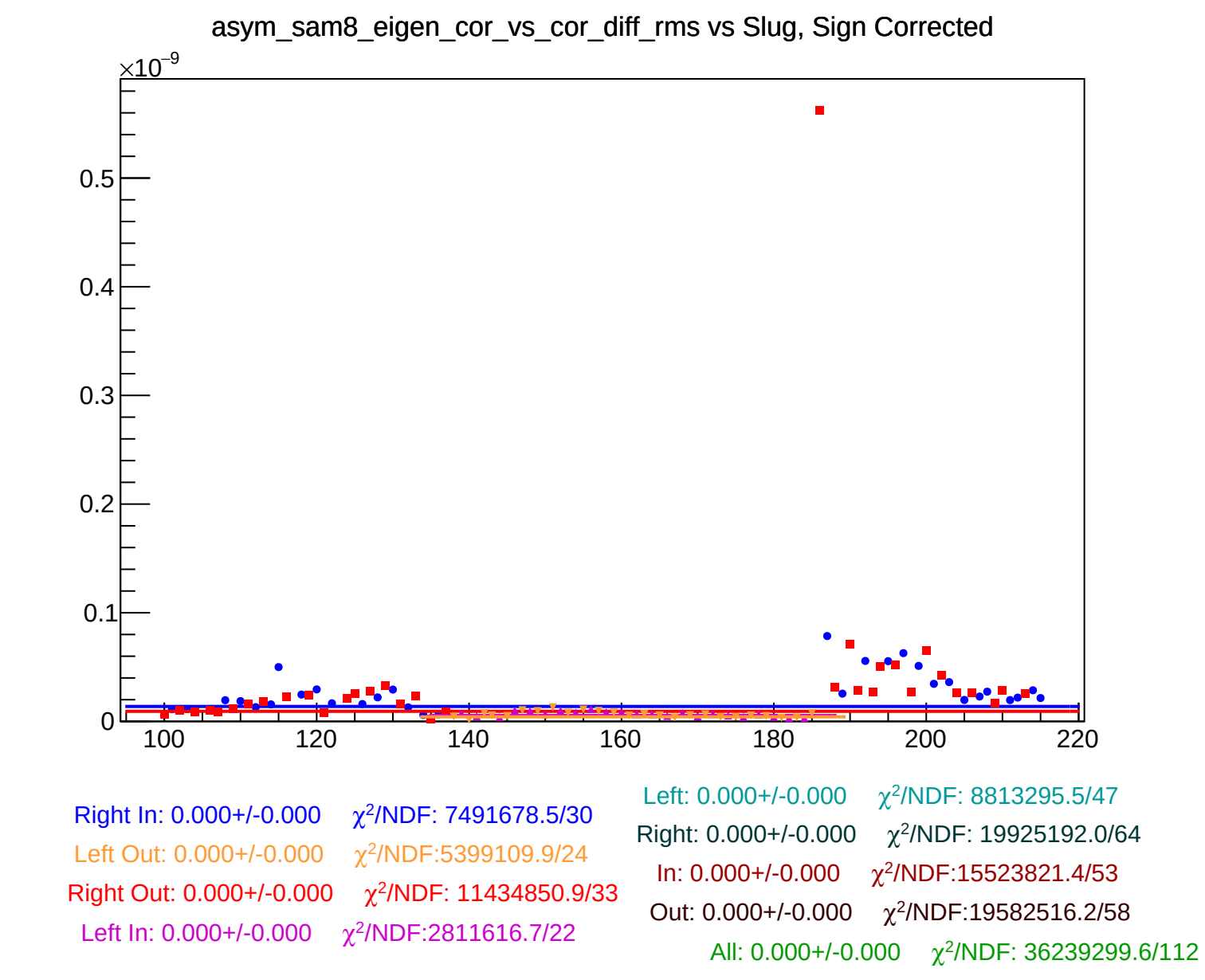
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.7/64

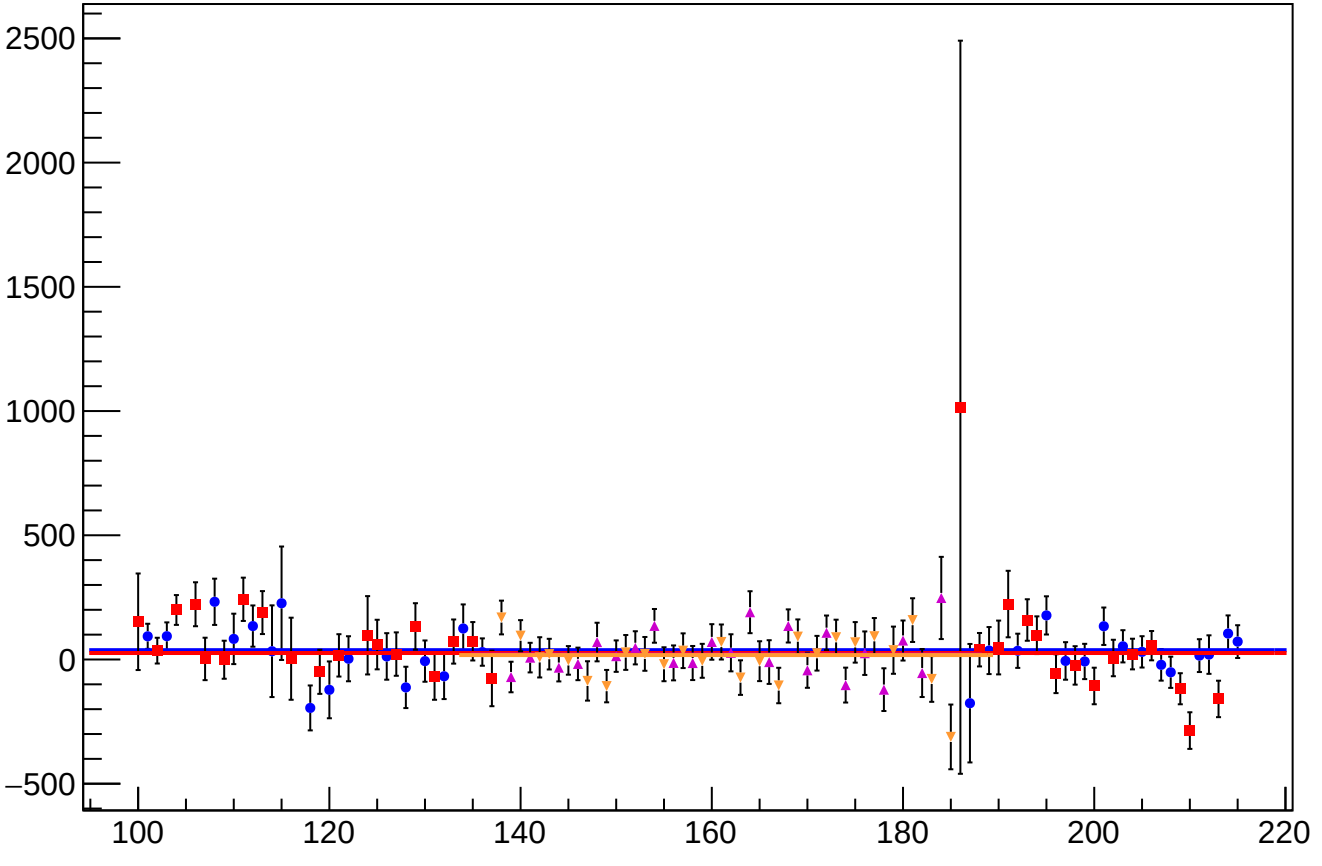
In: -0.000+/-0.000 χ^2/NDF:64.7/53

Out: -0.000+/-0.000 χ^2/NDF:57.1/58

All: -0.000+/-0.000 χ^2/NDF: 121.9/112


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7491678.5/30
Left Out: 0.000+/-0.000 χ²/NDF:5399109.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 11434850.9/33
Left In: 0.000+/-0.000 χ²/NDF:2811616.7/22
Left: 0.000+/-0.000 χ²/NDF: 8813295.5/47
Right: 0.000+/-0.000 χ²/NDF: 19925192.0/64
In: 0.000+/-0.000 χ²/NDF:15523821.4/53
Out: 0.000+/-0.000 χ²/NDF:19582516.2/58
All: 0.000+/-0.000 χ²/NDF: 36239299.6/112

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.509+/-13.786 χ^2/NDF: 34.0/30

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 26.085+/-13.993 χ^2/NDF: 69.3/33

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

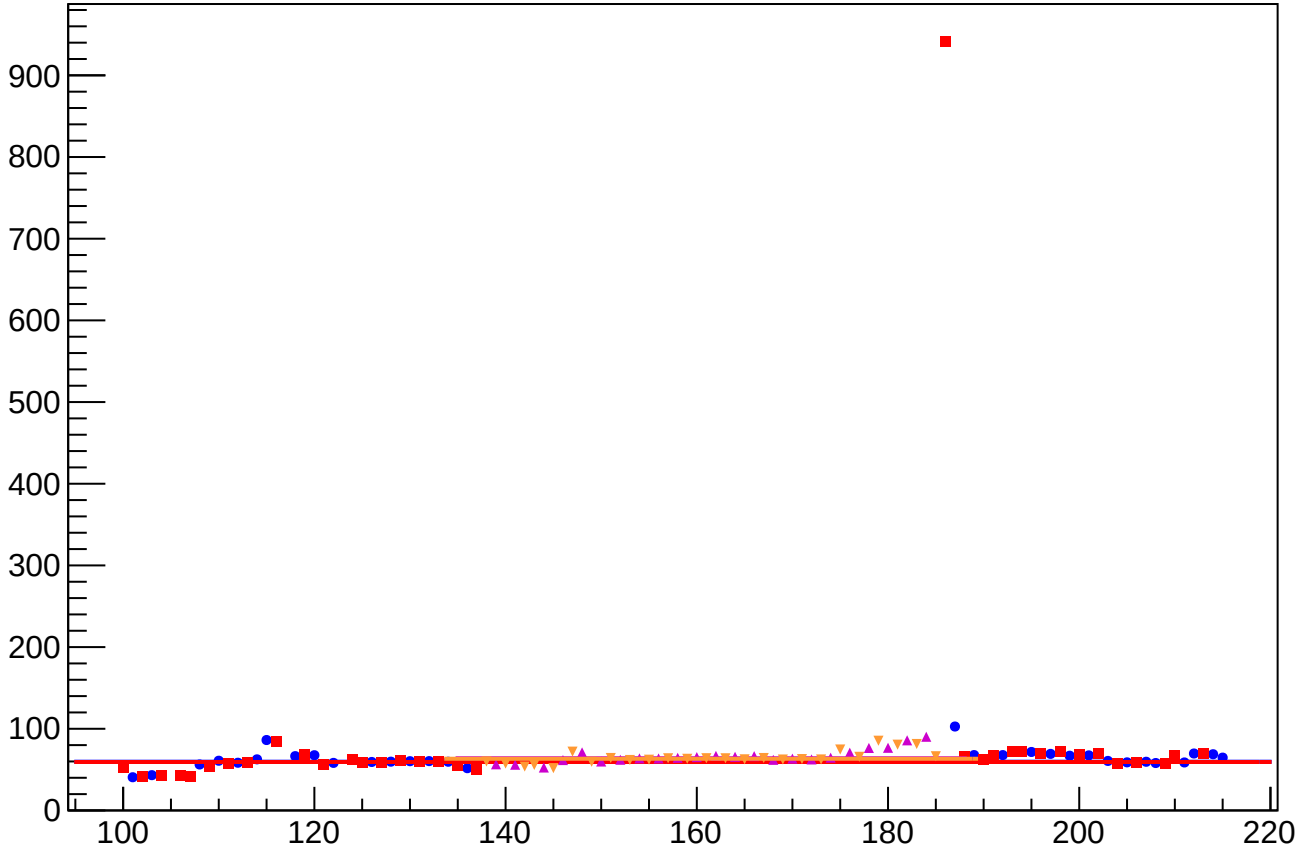
Right: 31.882+/-9.821 χ^2/NDF: 103.6/64

In: 29.351+/-10.163 χ^2/NDF:61.0/53

Out: 22.088+/-10.068 χ^2/NDF:101.0/58

All: 25.686+/-7.152 χ^2/NDF: 162.3/112

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.677+/-0.010 χ^2/NDF: 862447.2/30

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.332+/-0.010 χ^2/NDF: 1715968.5/33

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

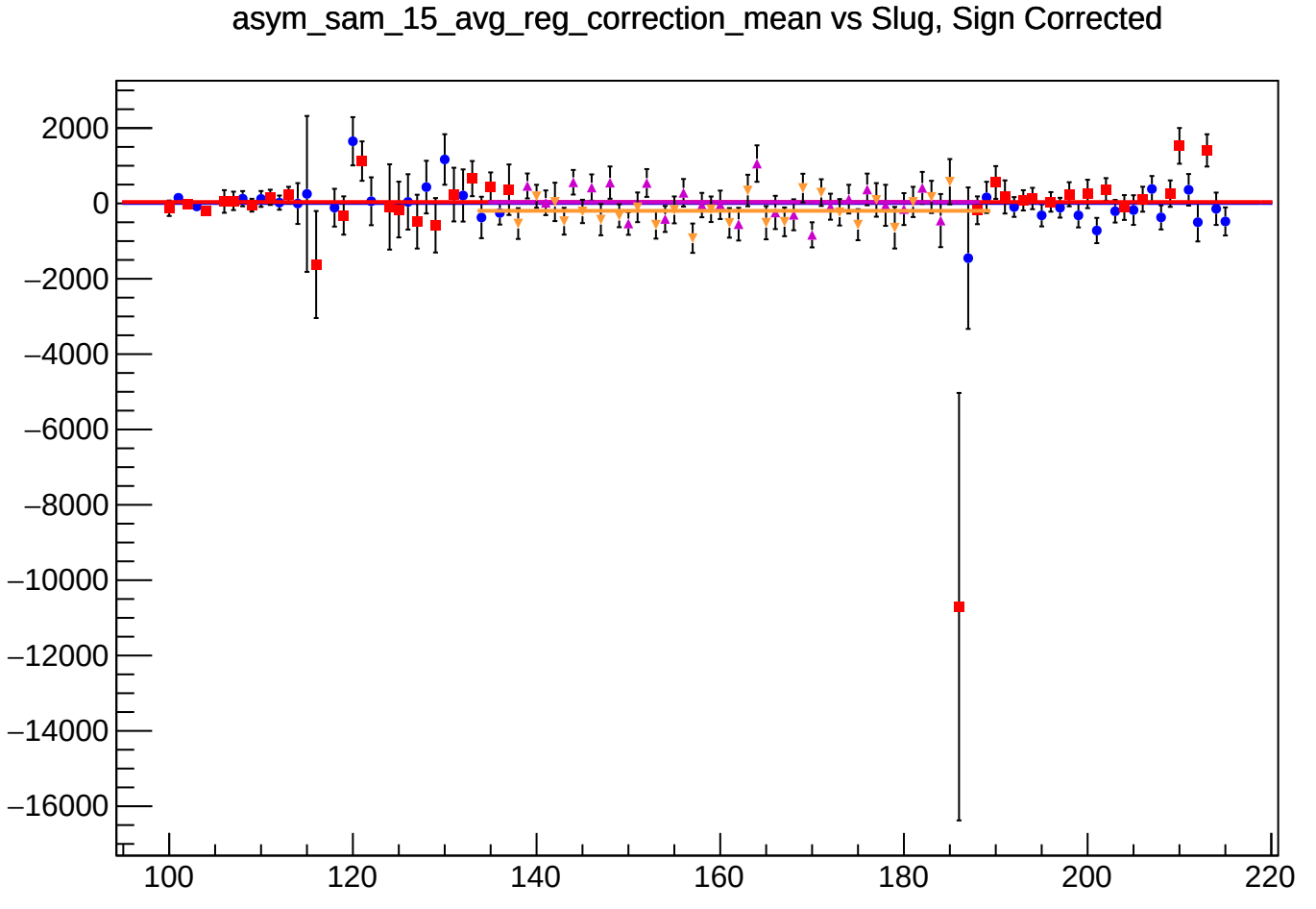
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 59.507+/-0.007 χ^2/NDF: 2579032.1/64

In: 61.614+/-0.007 χ^2/NDF:1394172.5/53

Out: 61.252+/-0.007 χ^2/NDF:2291445.6/58

All: 61.431+/-0.005 χ^2/NDF: 3686893.4/112



Right In: 11.843+/-41.307 χ^2/NDF: 32.1/30

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 37.290+/-43.913 χ^2/NDF: 48.0/33

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

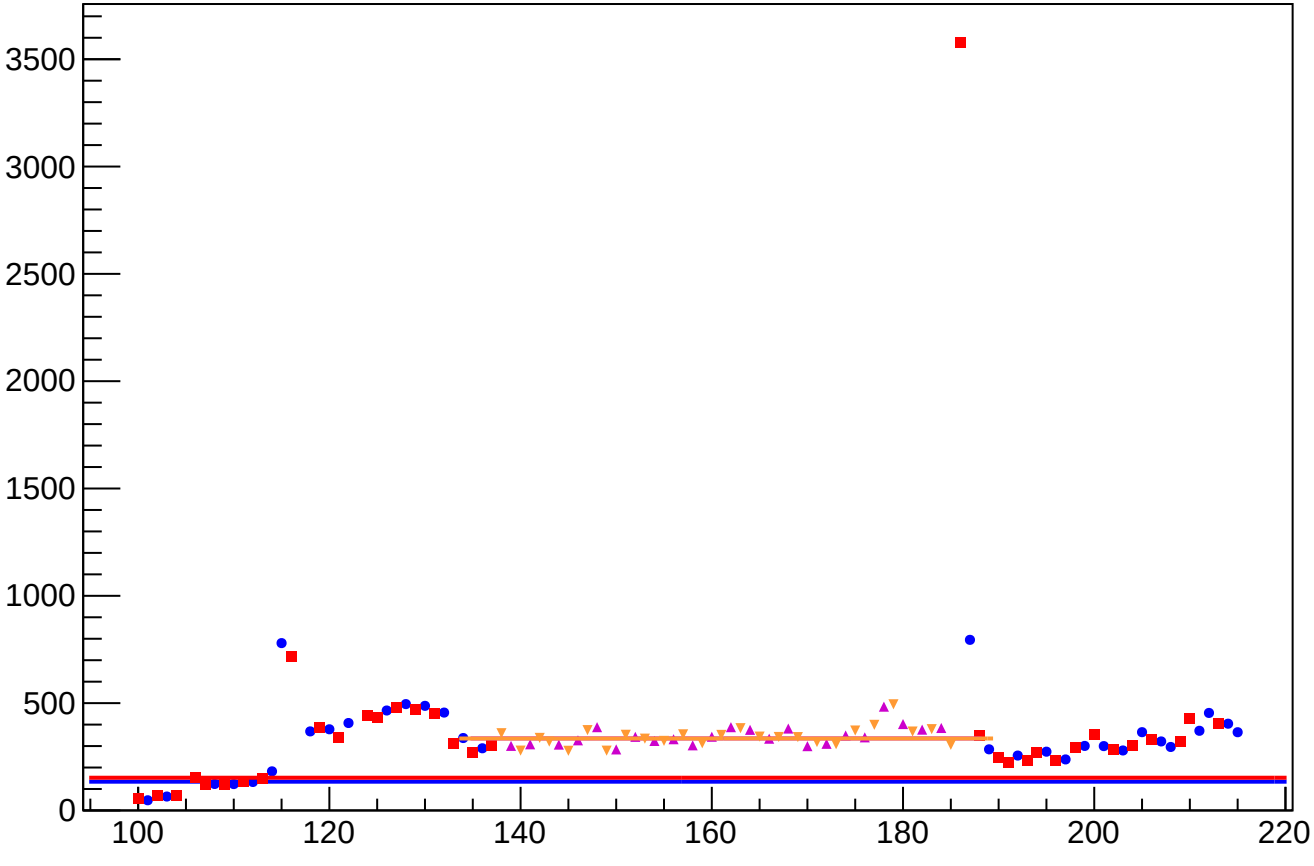
Right: 23.789+/-30.088 χ^2/NDF: 80.3/64

In: 17.097+/-36.626 χ^2/NDF:63.3/53

Out: -19.853+/-38.157 χ^2/NDF:75.5/58

All: -0.622+/-26.423 χ^2/NDF: 139.3/112

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 134.050+/-0.029 χ^2/NDF: 16535737.0/30

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 152.480+/-0.031 χ^2/NDF: 13225042.7/33

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

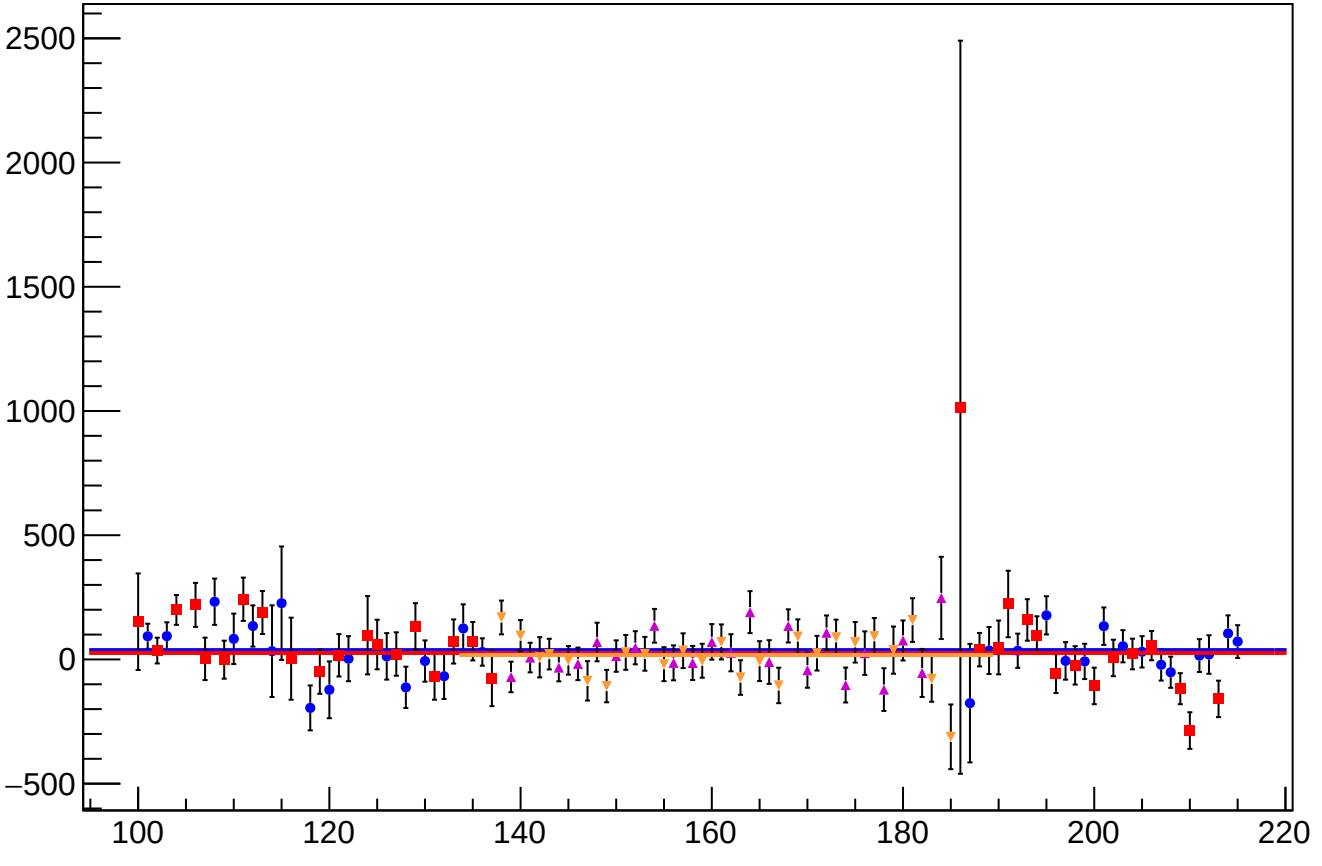
Right: 142.702+/-0.021 χ^2/NDF: 29947686.1/64

In: 177.126+/-0.026 χ^2/NDF:27203907.4/53

Out: 197.264+/-0.027 χ^2/NDF:22278882.7/58

All: 186.783+/-0.019 χ^2/NDF: 49772732.1/11

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.514+/-13.786 χ^2/NDF: 34.0/30

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 26.015+/-13.994 χ^2/NDF: 69.1/33

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

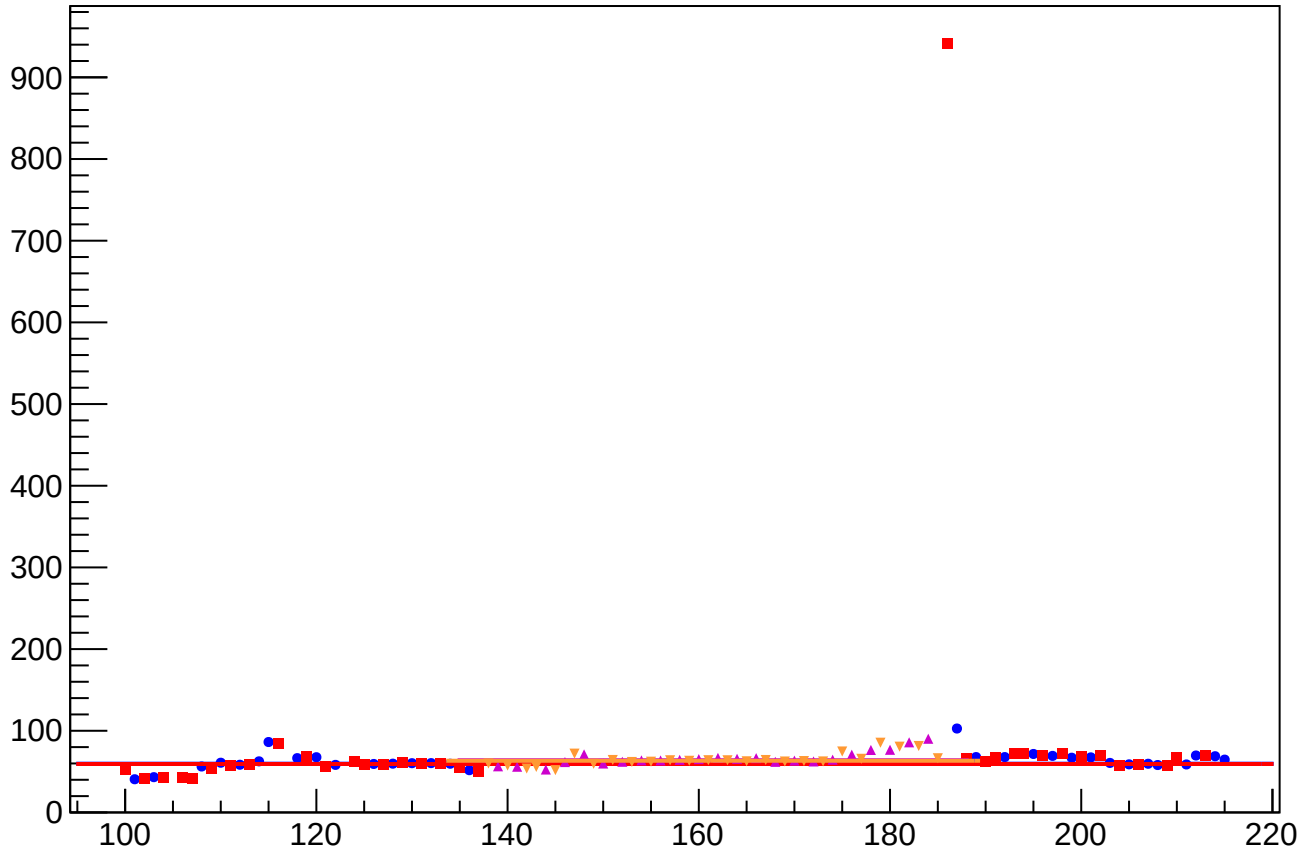
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 31.851+/-9.821 χ^2/NDF: 103.5/64

In: 29.354+/-10.163 χ^2/NDF:61.0/53

Out: 22.054+/-10.068 χ^2/NDF:100.9/58

All: 25.670+/-7.152 χ^2/NDF: 162.2/112



Right In: 59.677+/-0.010 χ^2/NDF: 862446.2/30

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.332+/-0.010 χ^2/NDF: 1716393.7/33

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

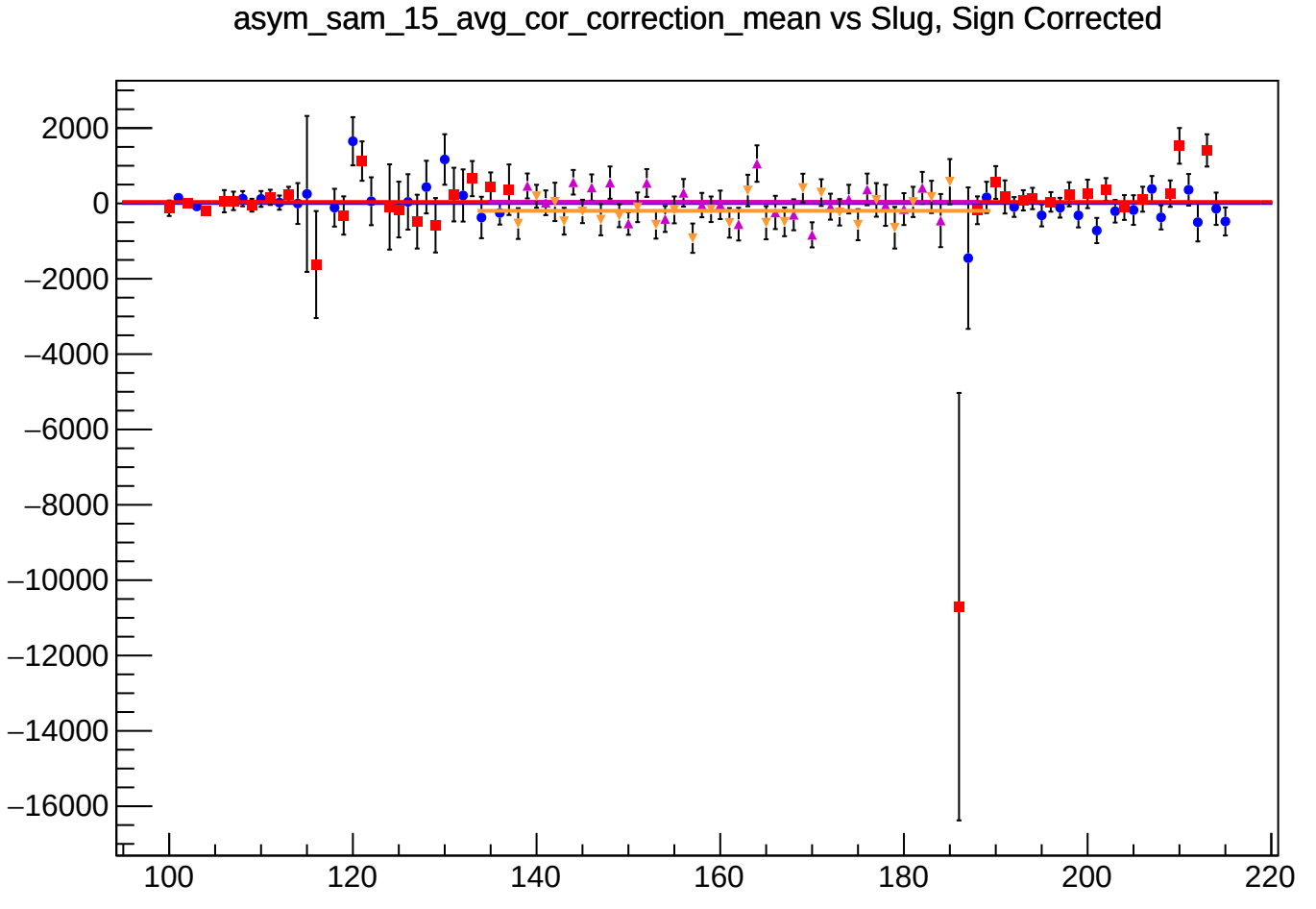
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.507+/-0.007 χ^2/NDF: 2579458.6/64

In: 61.614+/-0.007 χ^2/NDF:1394171.3/53

Out: 61.252+/-0.007 χ^2/NDF:2291894.4/58

All: 61.431+/-0.005 χ^2/NDF: 3687343.0/112



Right In: 11.848+/-41.306 χ^2/NDF: 32.1/30

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 37.544+/-43.885 χ^2/NDF: 48.0/33

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

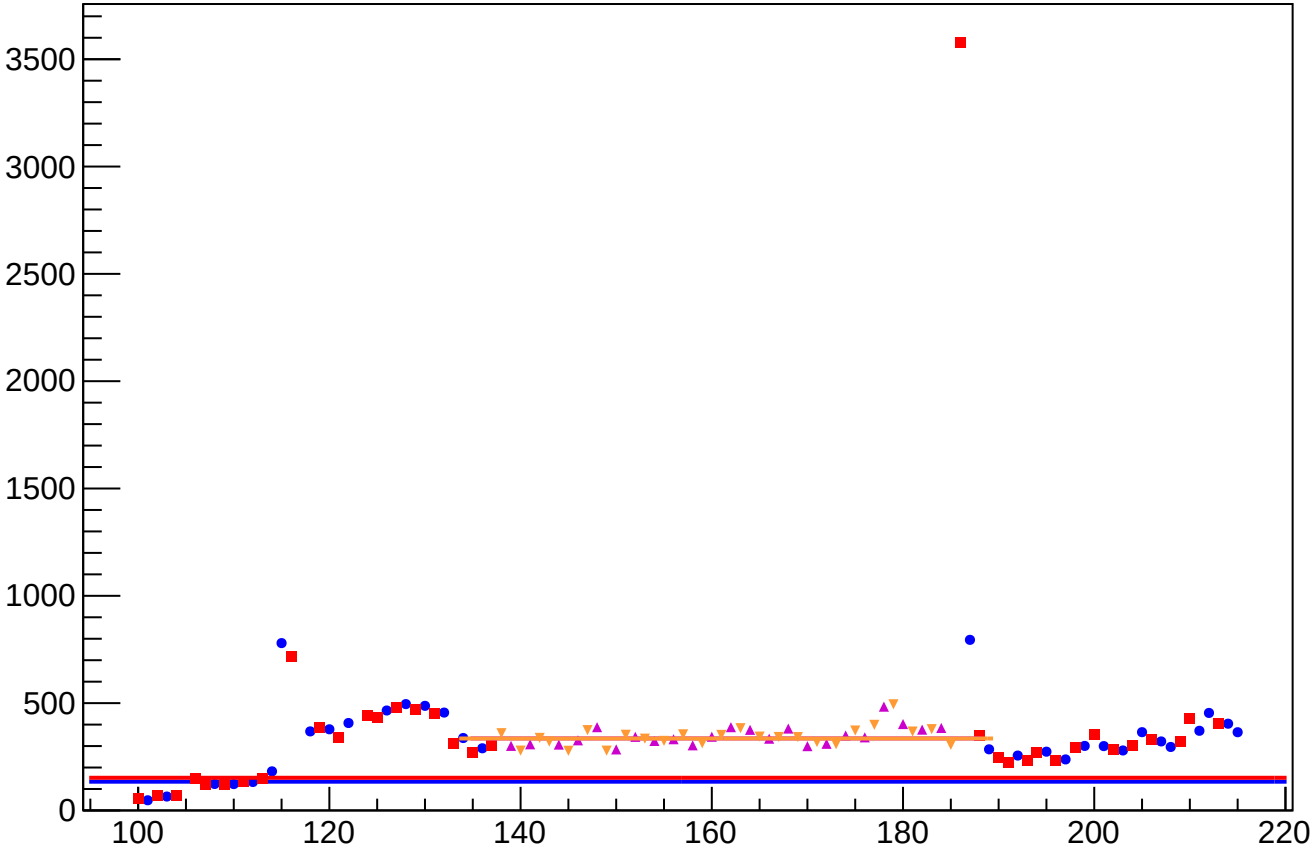
Right: 23.919+/-30.078 χ^2/NDF: 80.3/64

In: 17.100+/-36.625 χ^2/NDF:63.3/53

Out: -19.604+/-38.138 χ^2/NDF:75.5/58

All: -0.509+/-26.417 χ^2/NDF: 139.3/112

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 134.047+/-0.029 χ^2/NDF: 16536118.0/30

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 152.287+/-0.031 χ^2/NDF: 13232133.9/33

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

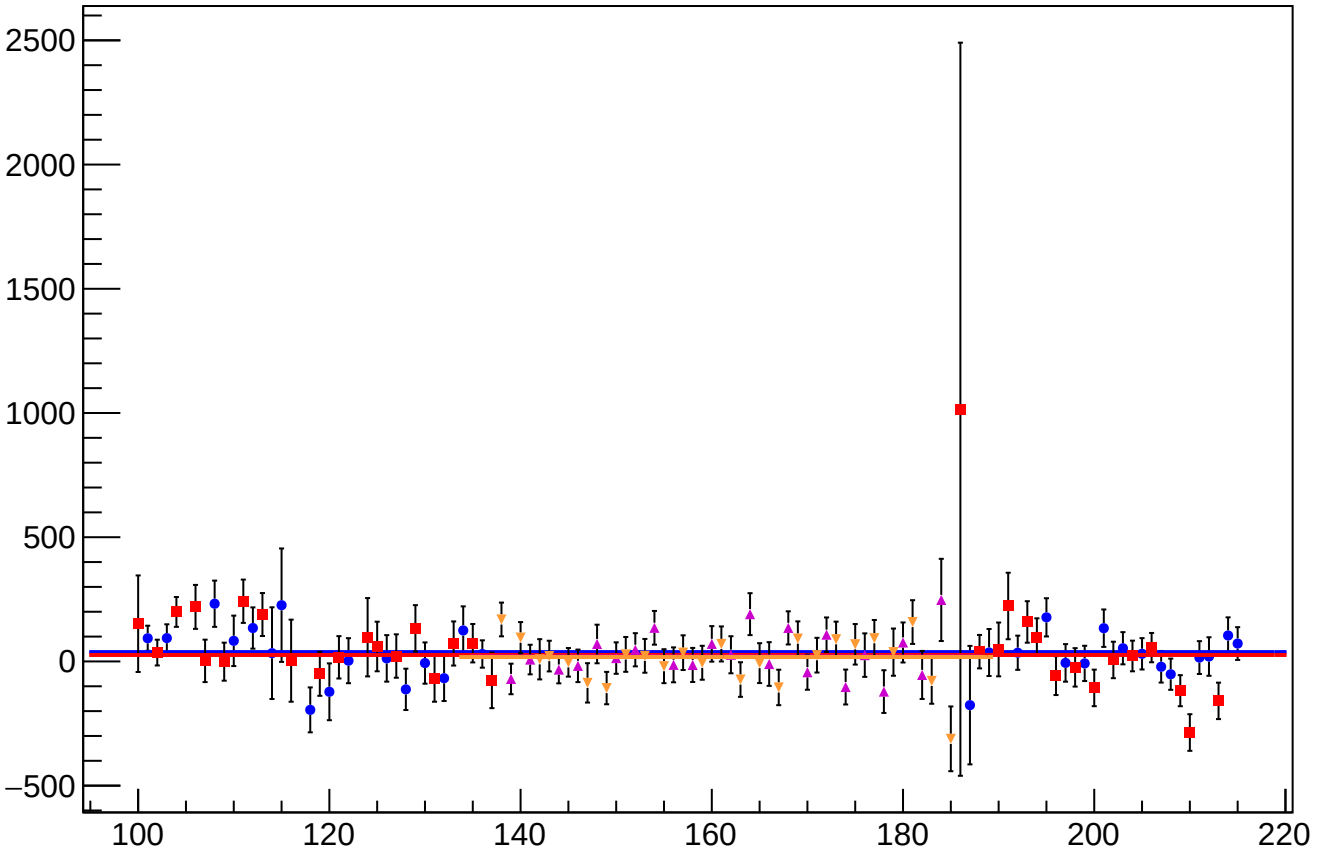
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 142.615+/-0.021 χ^2/NDF: 29951457.1/64

In: 177.122+/-0.026 χ^2/NDF:27204721.0/53

Out: 197.074+/-0.027 χ^2/NDF:22306659.0/58

All: 186.695+/-0.019 χ^2/NDF: 49796141.5/11



Right In: 37.514+/-13.786 χ^2/NDF: 34.0/30

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 26.015+/-13.994 χ^2/NDF: 69.1/33

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

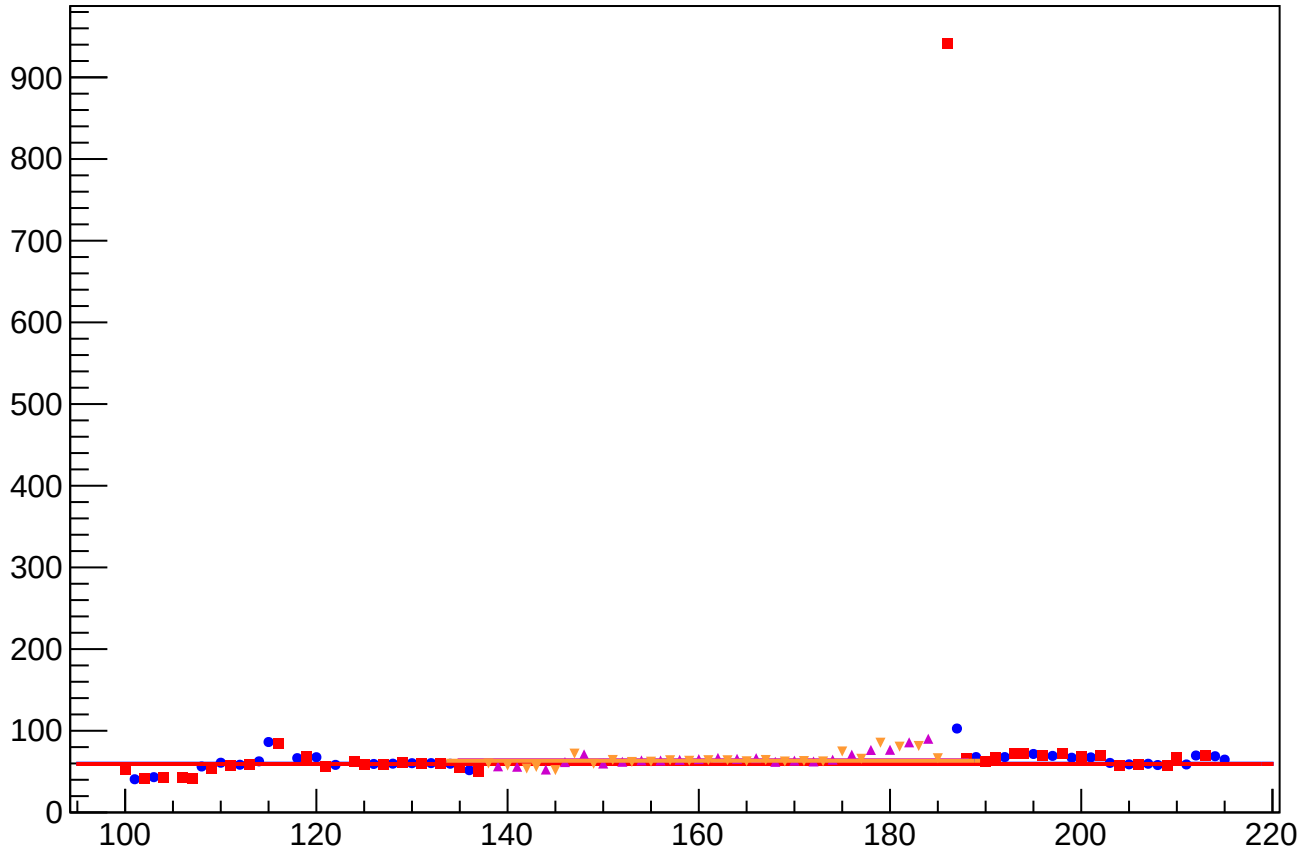
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 31.851+/-9.821 χ^2/NDF: 103.5/64

In: 29.354+/-10.163 χ^2/NDF:61.0/53

Out: 22.054+/-10.068 χ^2/NDF:100.9/58

All: 25.670+/-7.152 χ^2/NDF: 162.2/112



Right In: 59.677+/-0.010 χ^2/NDF: 862446.2/30

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.332+/-0.010 χ^2/NDF: 1716393.7/33

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

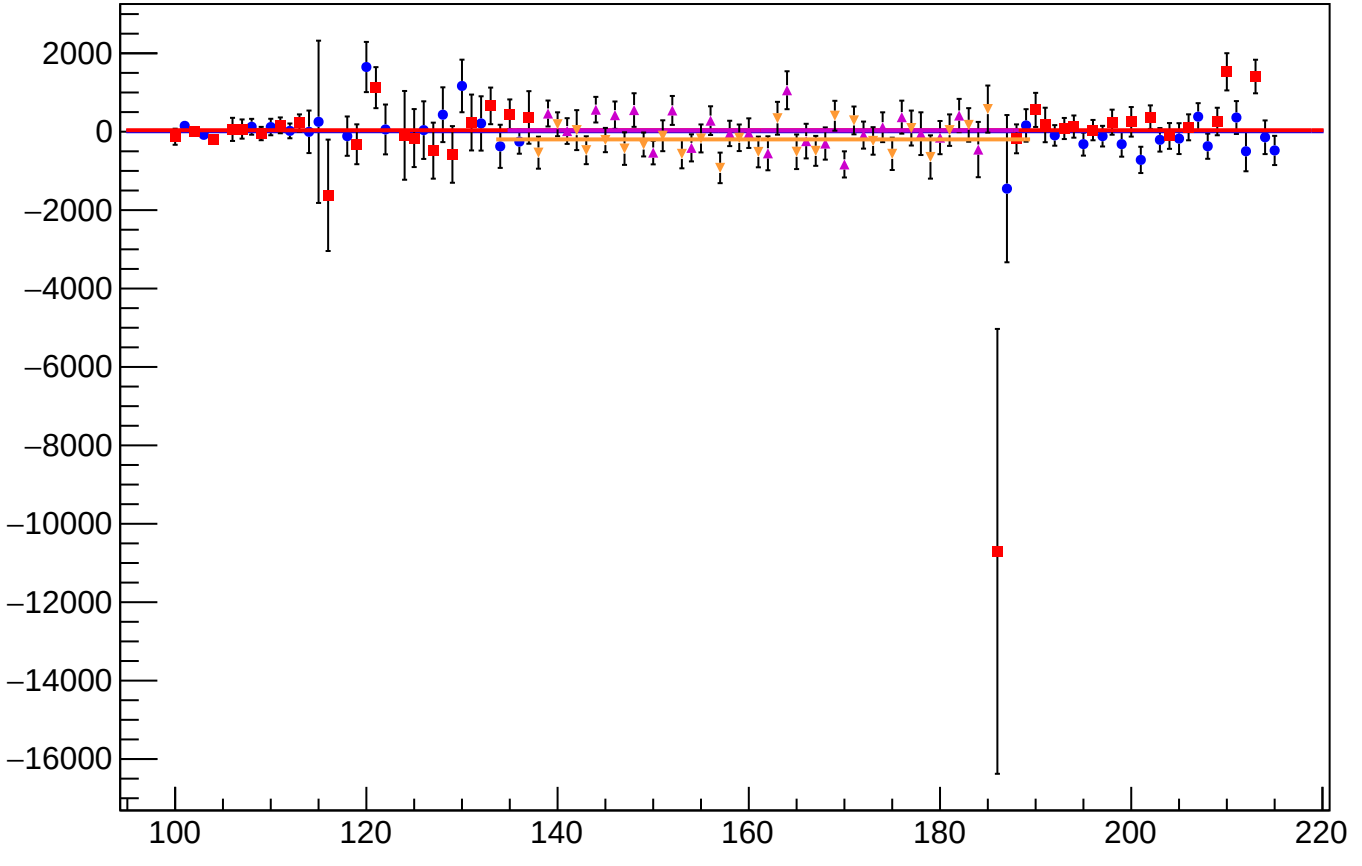
Right: 59.507+/-0.007 χ^2/NDF: 2579458.6/64

In: 61.614+/-0.007 χ^2/NDF:1394171.3/53

Out: 61.252+/-0.007 χ^2/NDF:2291894.4/58

All: 61.431+/-0.005 χ^2/NDF: 3687343.0/112

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 11.848+/-41.306 χ^2/NDF: 32.1/30

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 37.544+/-43.885 χ^2/NDF: 48.0/33

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

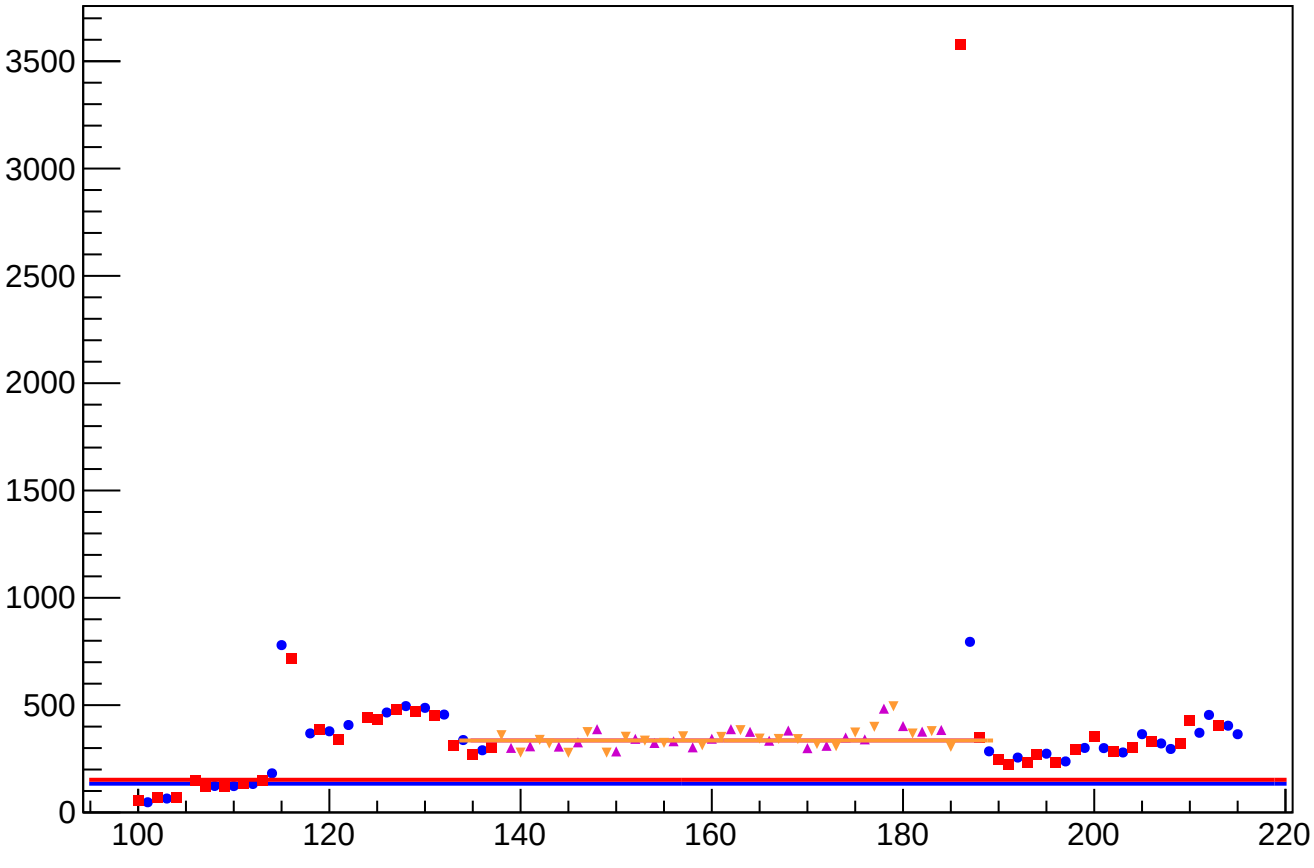
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 23.919+/-30.078 χ^2/NDF: 80.3/64

In: 17.100+/-36.625 χ^2/NDF:63.3/53

Out: -19.604+/-38.138 χ^2/NDF:75.5/58

All: -0.509+/-26.417 χ^2/NDF: 139.3/112



Right In: 134.047+/-0.029 χ^2/NDF: 16536118.0/30

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 152.287+/-0.031 χ^2/NDF: 13232133.9/33

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

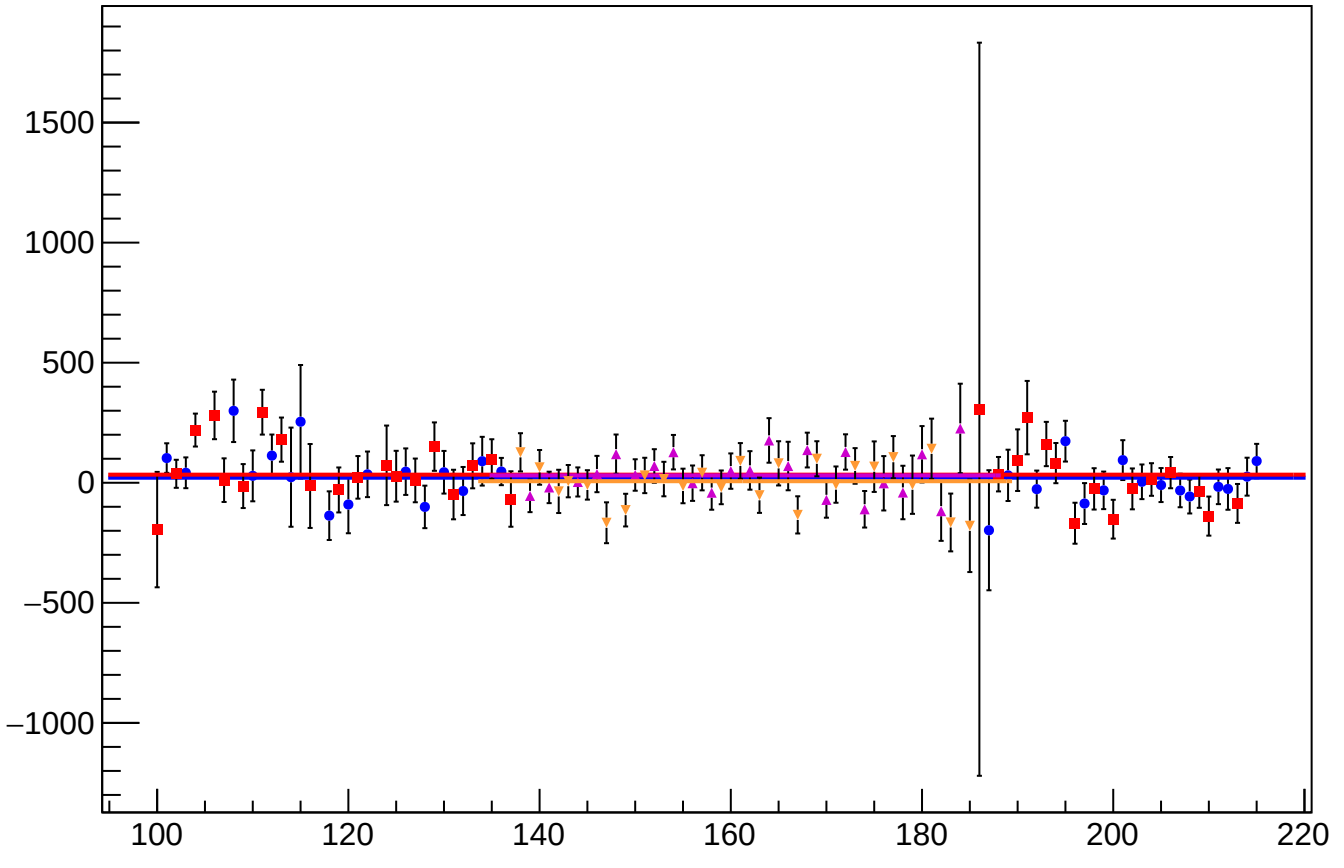
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 142.615+/-0.021 χ^2/NDF: 29951457.1/64

In: 177.122+/-0.026 χ^2/NDF:27204721.0/53

Out: 197.074+/-0.027 χ^2/NDF:22306659.0/58

All: 186.695+/-0.019 χ^2/NDF: 49796141.5/11



Right In: 21.013+/-15.237 χ^2/NDF: 25.6/30

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 33.744+/-15.352 χ^2/NDF: 53.9/33

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

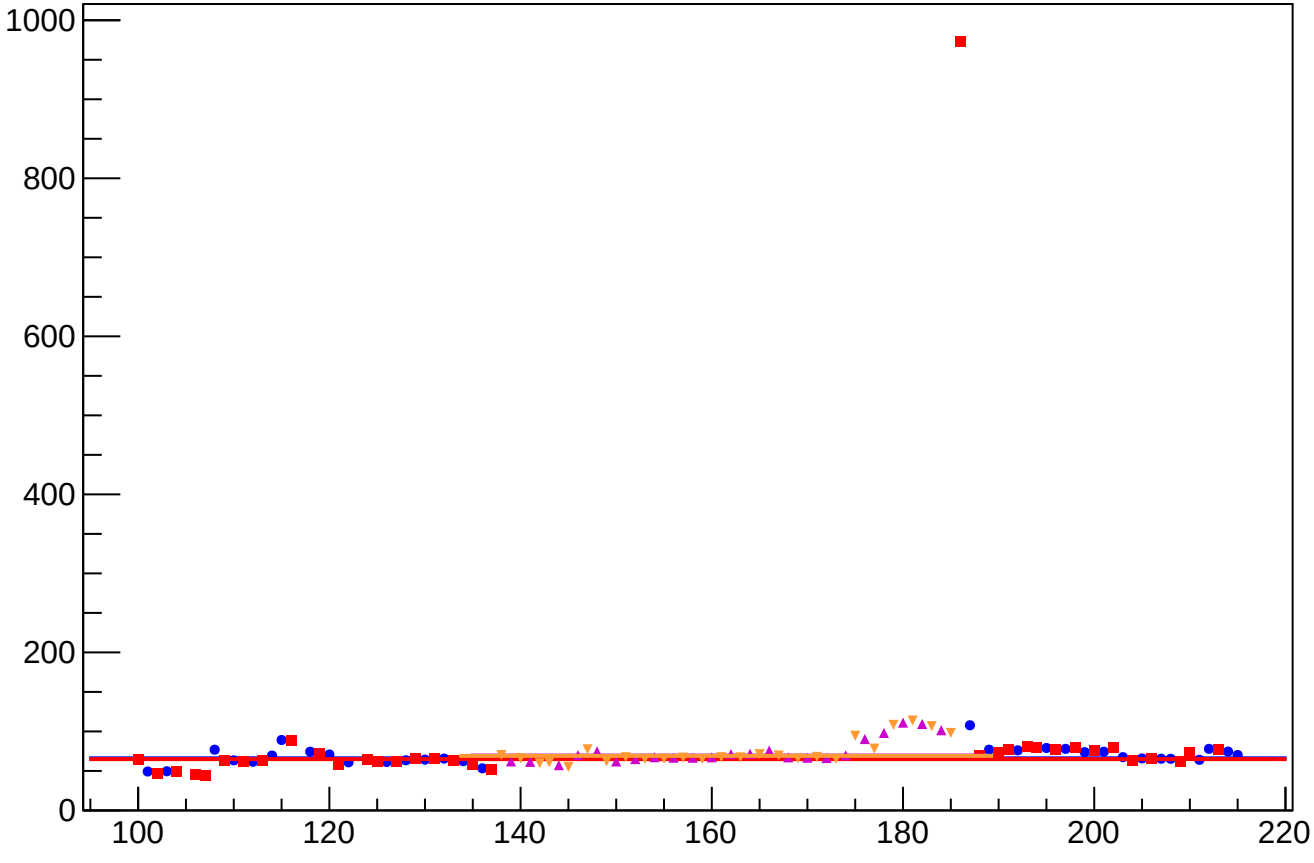
Right: 27.331+/-10.814 χ^2/NDF: 79.9/64

In: 25.453+/-11.195 χ^2/NDF:48.2/53

Out: 20.651+/-11.070 χ^2/NDF:80.5/58

All: 23.025+/-7.871 χ^2/NDF: 128.8/112

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.969+/-0.011 χ^2/NDF: 757662.2/30

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.975+/-0.011 χ^2/NDF: 1709347.6/33

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

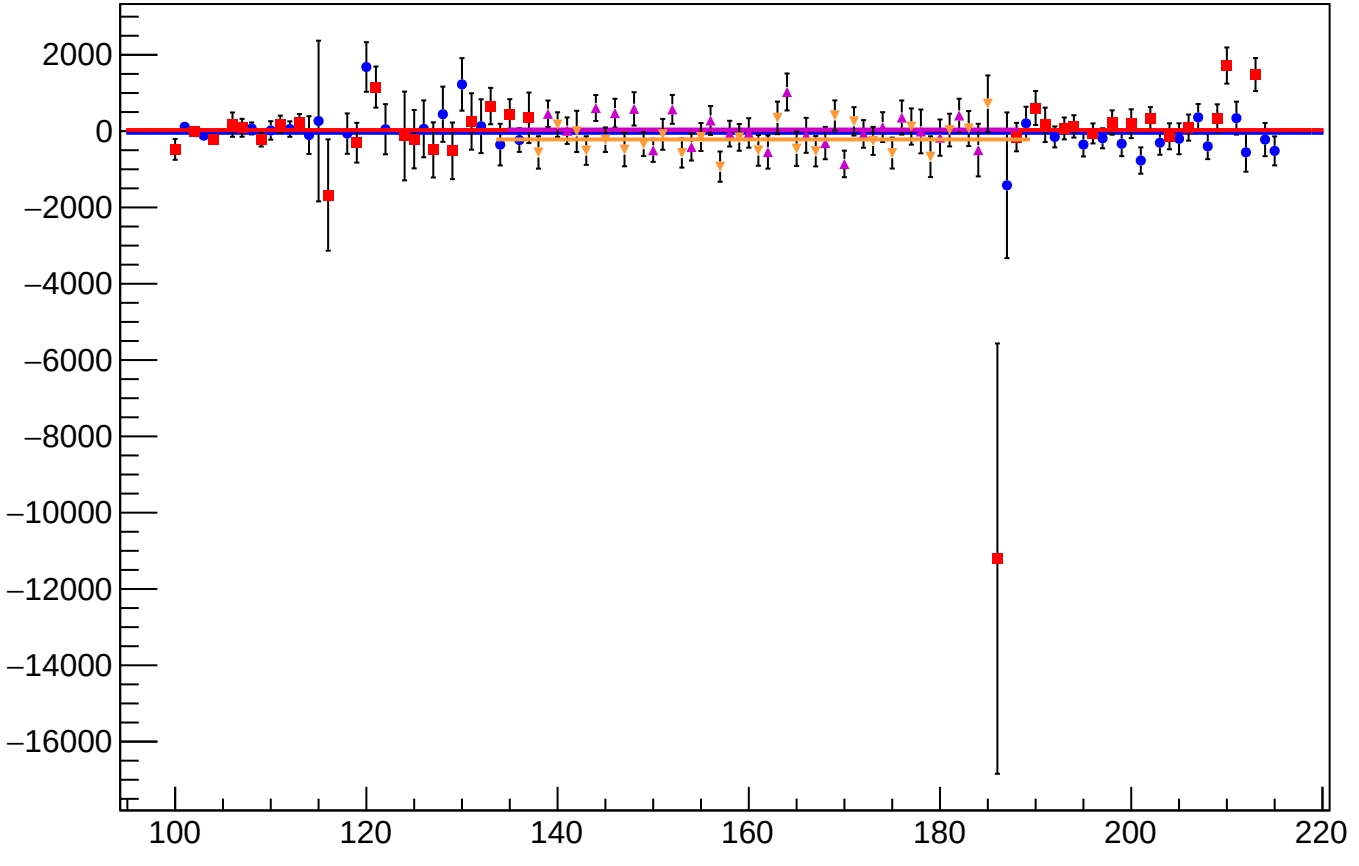
Right: 65.476+/-0.008 χ^2/NDF: 2471231.3/64

In: 67.565+/-0.008 χ^2/NDF:1729922.7/53

Out: 66.945+/-0.008 χ^2/NDF:2851928.1/58

All: 67.251+/-0.006 χ^2/NDF: 4584947.4/112

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -42.989+/-46.402 χ^2/NDF: 30.4/30

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 28.213+/-46.101 χ^2/NDF: 56.1/33

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

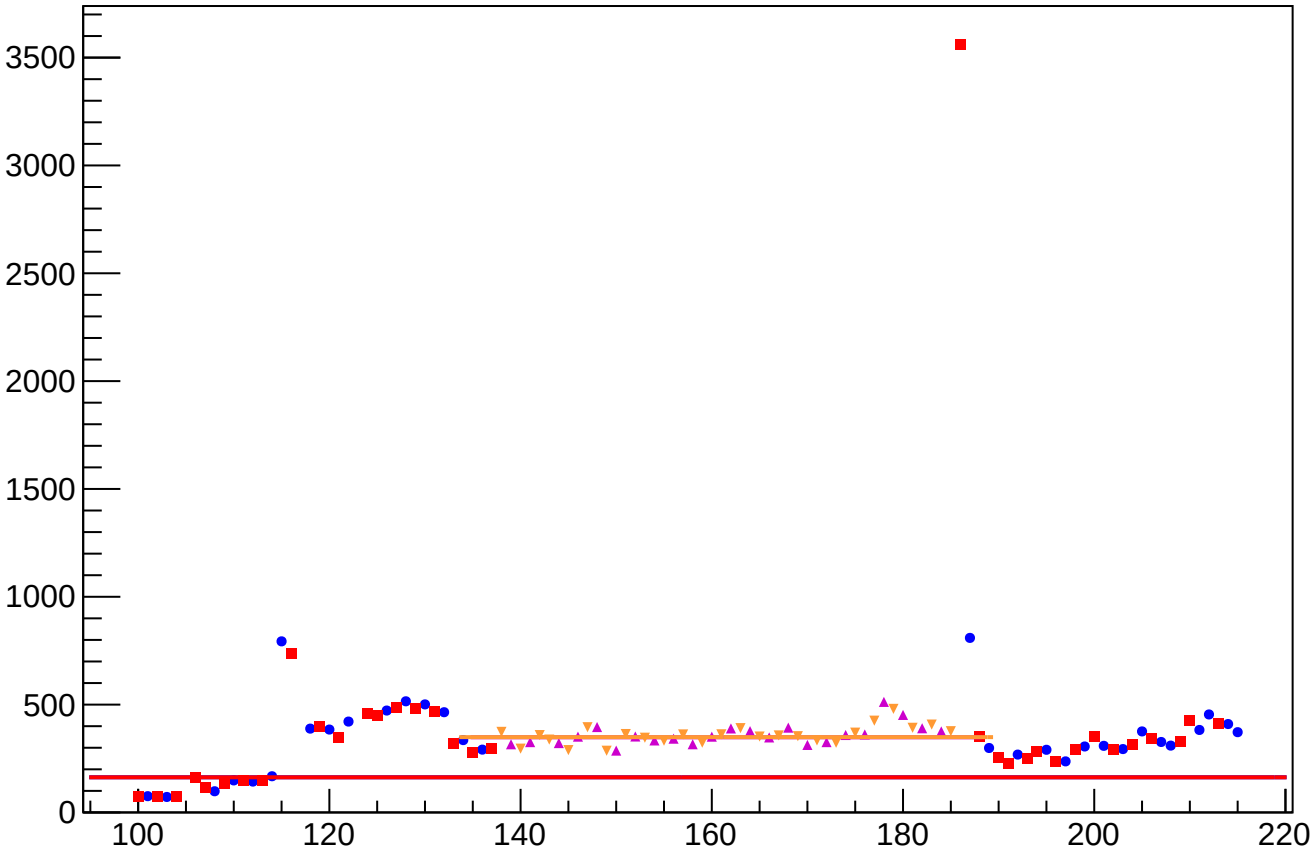
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -7.157+/-32.704 χ^2/NDF: 87.6/64

In: -22.590+/-40.415 χ^2/NDF:61.2/53

Out: -32.851+/-39.960 χ^2/NDF:82.4/58

All: -27.779+/-28.415 χ^2/NDF: 143.6/112



Right In: 163.088+/-0.033 χ^2/NDF: 13461798.7/30

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 162.928+/-0.033 χ^2/NDF: 12519558.4/33

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

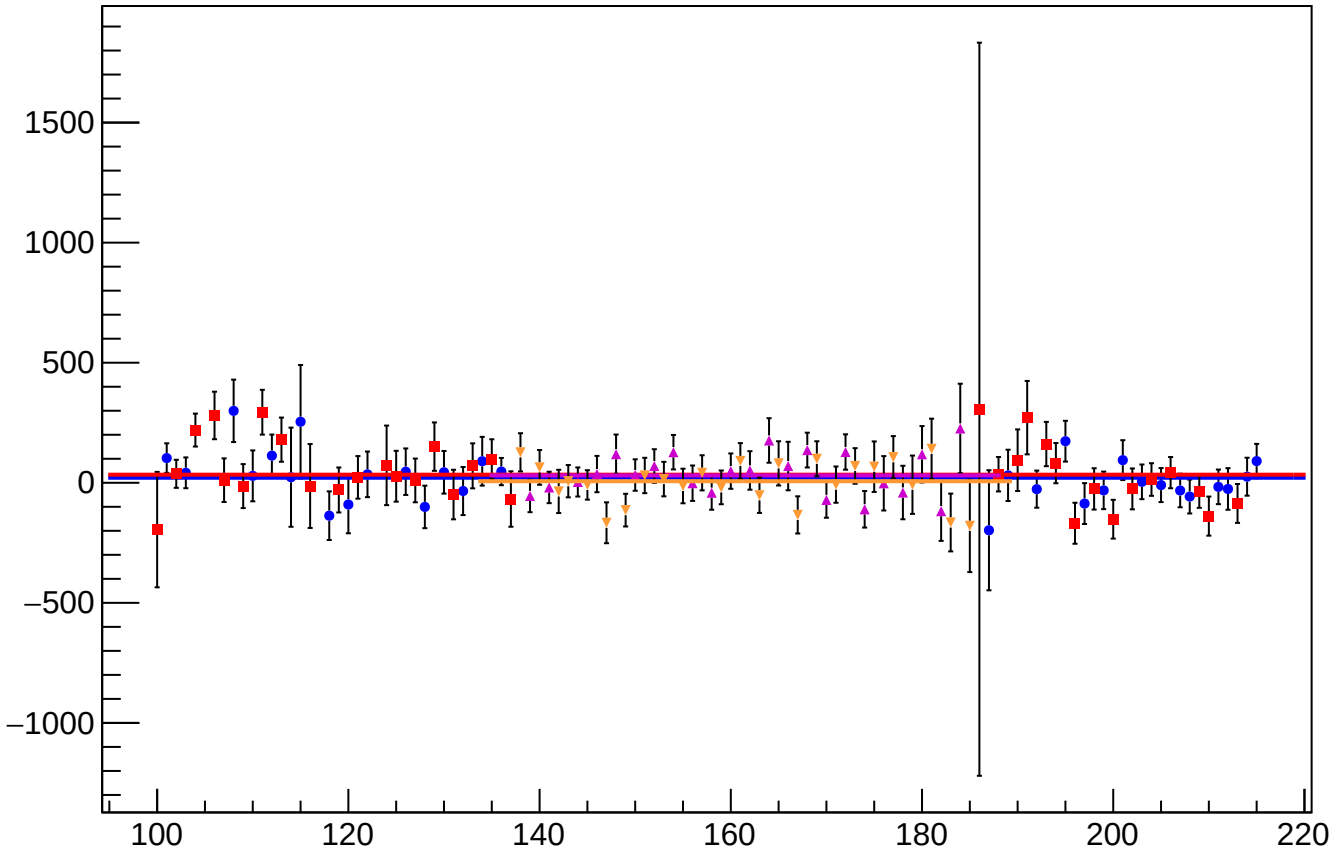
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 163.007+/-0.023 χ^2/NDF: 25981369.1/64

In: 207.861+/-0.029 χ^2/NDF:21701219.7/53

Out: 209.242+/-0.028 χ^2/NDF:21161142.4/58

All: 208.559+/-0.020 χ^2/NDF: 42863543.2/11



Right In: 21.013+/-15.237 χ^2/NDF: 25.6/30

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 33.744+/-15.352 χ^2/NDF: 53.9/33

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

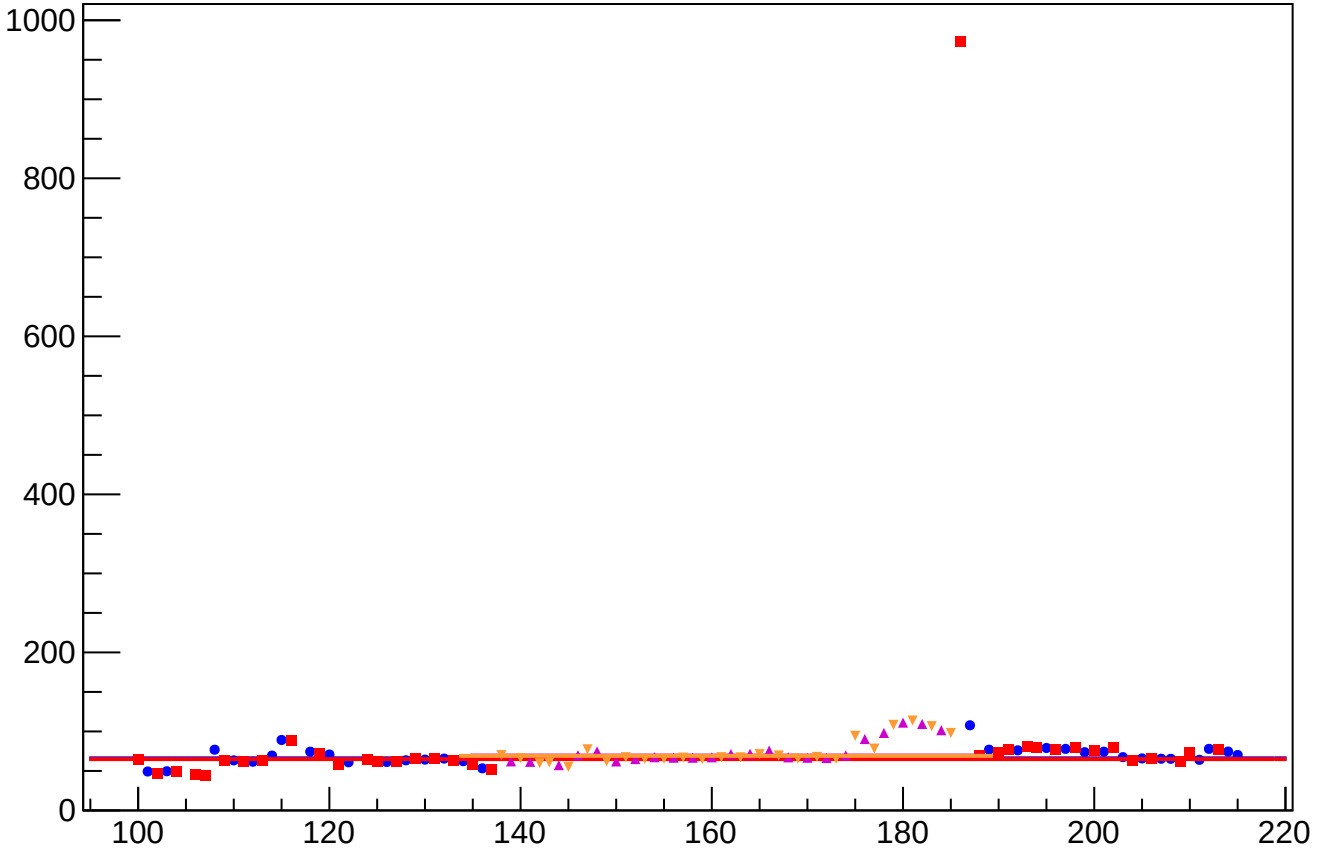
Right: 27.330+/-10.814 χ^2/NDF: 79.9/64

In: 25.453+/-11.195 χ^2/NDF:48.2/53

Out: 20.651+/-11.070 χ^2/NDF:80.5/58

All: 23.025+/-7.871 χ^2/NDF: 128.8/112

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.969+/-0.011 χ^2/NDF: 757660.1/30

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.975+/-0.011 χ^2/NDF: 1709345.9/33

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

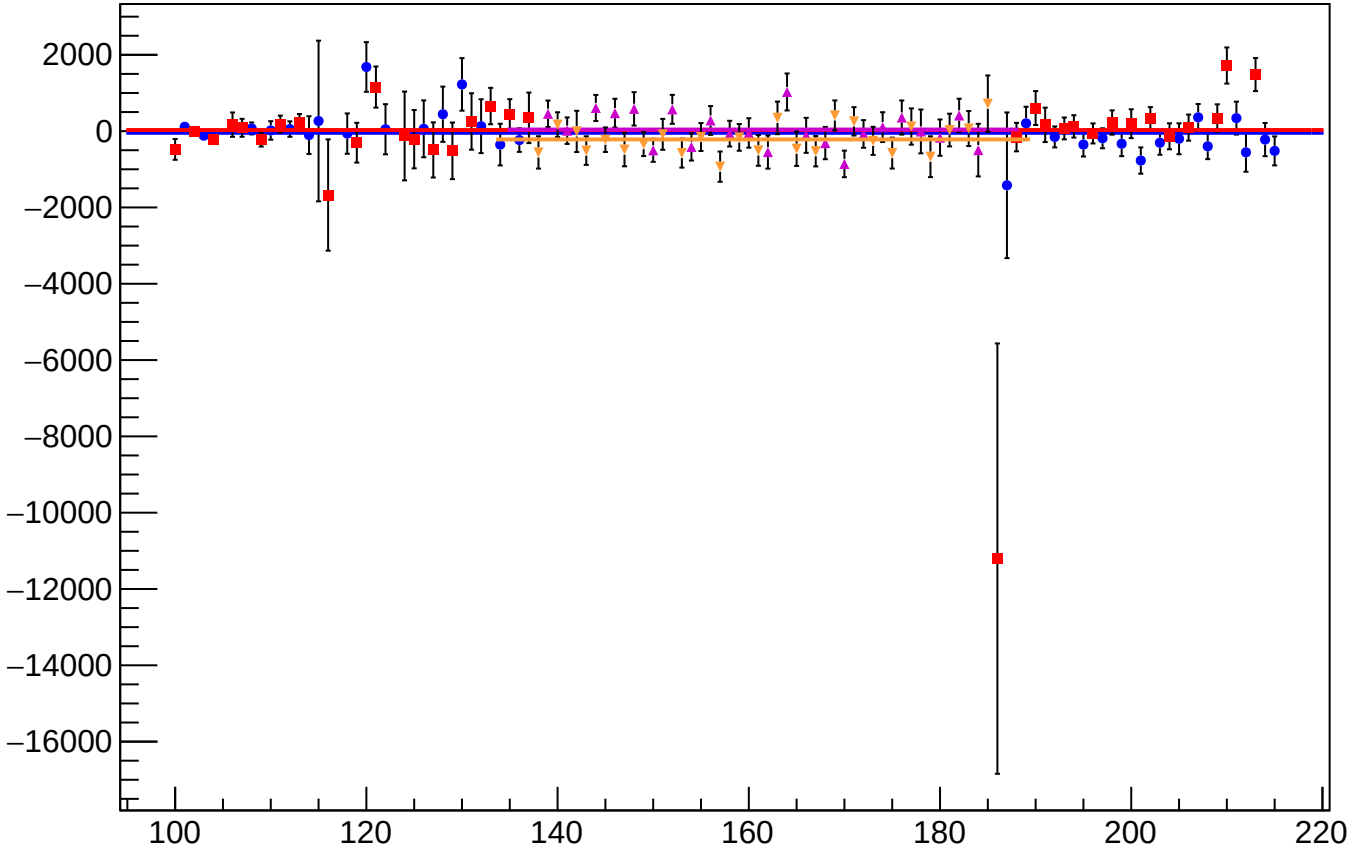
Right: 65.476+/-0.008 χ^2/NDF: 2471227.6/64

In: 67.565+/-0.008 χ^2/NDF:1729910.9/53

Out: 66.945+/-0.008 χ^2/NDF:2851914.3/58

All: 67.251+/-0.006 χ^2/NDF: 4584922.3/112

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -42.989+/-46.402 χ^2/NDF: 30.4/30

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 28.213+/-46.101 χ^2/NDF: 56.1/33

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

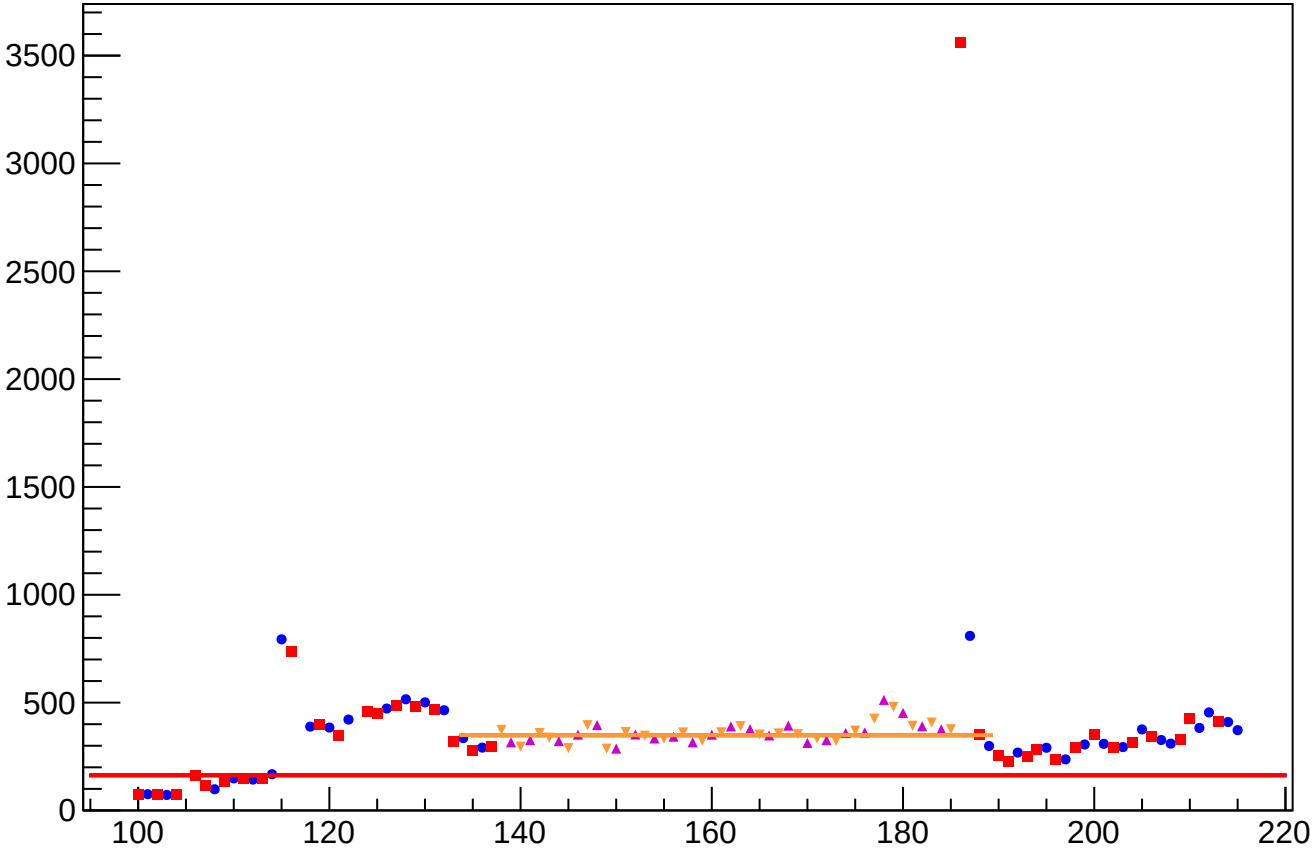
Right: -7.157+/-32.704 χ^2/NDF: 87.6/64

In: -22.590+/-40.415 χ^2/NDF:61.2/53

Out: -32.850+/-39.960 χ^2/NDF:82.4/58

All: -27.778+/-28.415 χ^2/NDF: 143.6/112

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 163.088+/-0.033 χ^2/NDF: 13461816.2/30

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 162.928+/-0.033 χ^2/NDF: 12519601.7/33

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

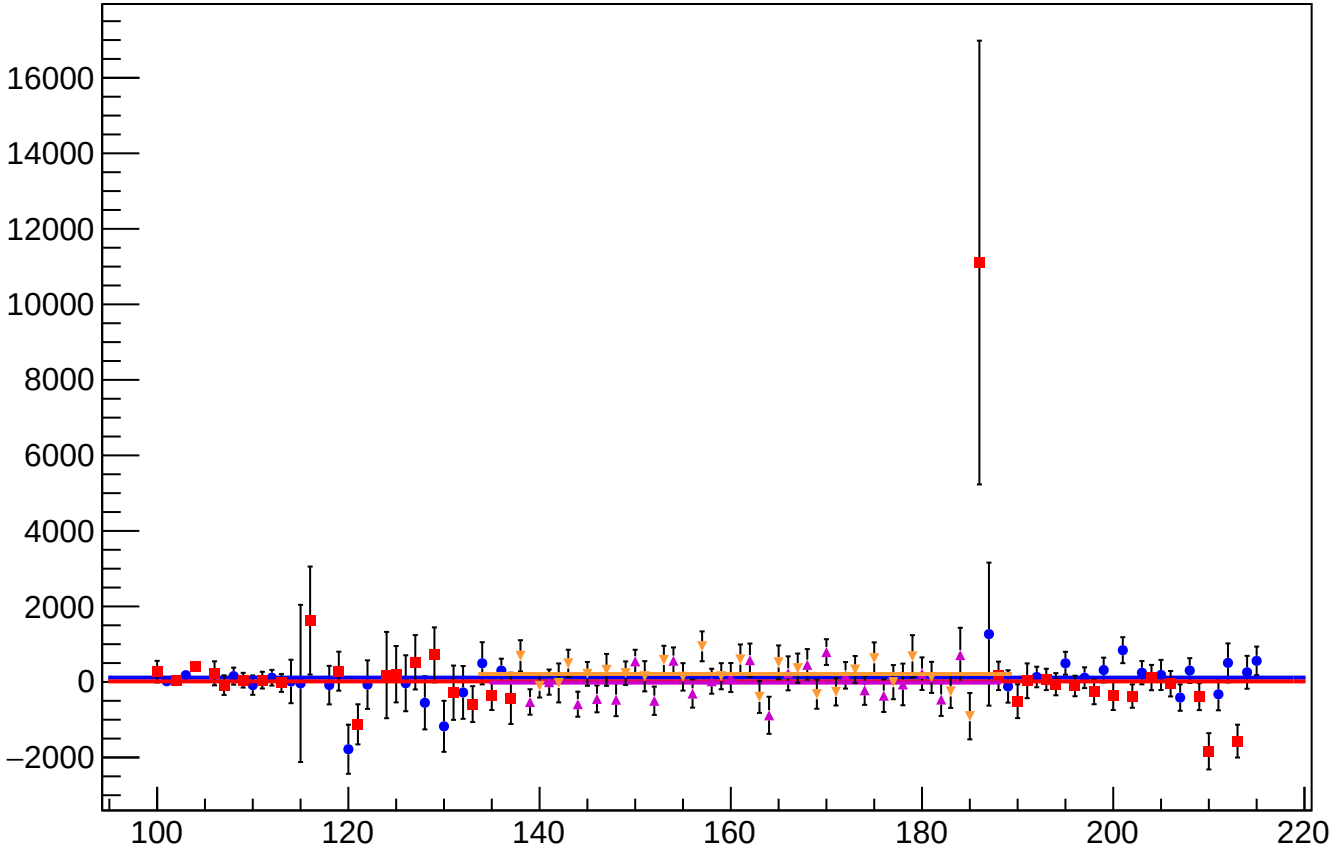
Right: 163.007+/-0.023 χ^2/NDF: 25981429.9/64

In: 207.861+/-0.029 χ^2/NDF:21701293.9/53

Out: 209.242+/-0.028 χ^2/NDF:21161252.4/58

All: 208.559+/-0.020 χ^2/NDF: 42863727.1/11

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 114.739+/-49.844 χ^2/NDF: 29.4/30

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 14.420+/-49.156 χ^2/NDF: 62.5/33

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

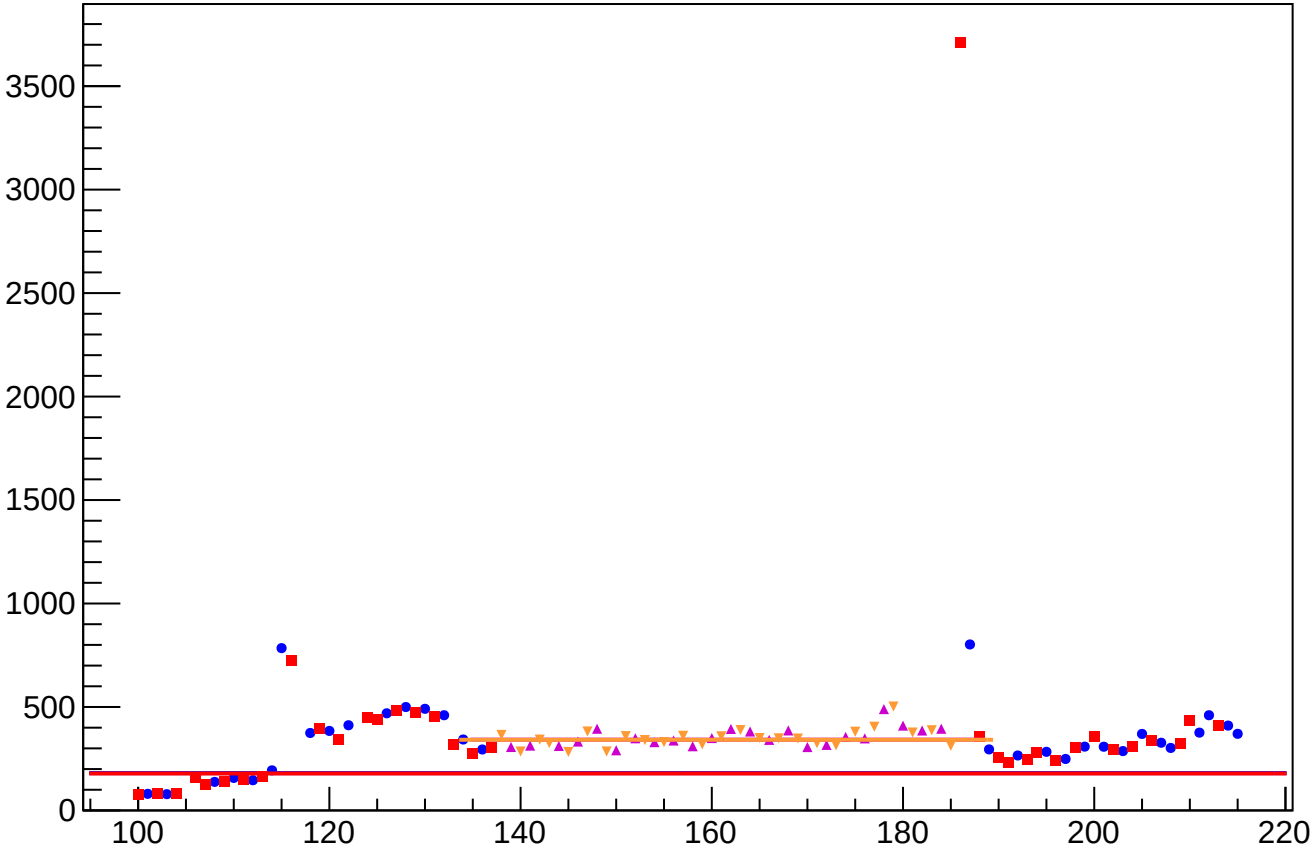
Right: 63.883+/-35.000 χ^2/NDF: 94.0/64

In: 77.879+/-42.407 χ^2/NDF:63.4/53

Out: 69.447+/-41.664 χ^2/NDF:88.4/58

All: 73.589+/-29.720 χ^2/NDF: 151.8/112

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 180.536+/-0.035 χ^2/NDF: 11777572.4/30

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 178.639+/-0.035 χ^2/NDF: 11003670.2/33

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

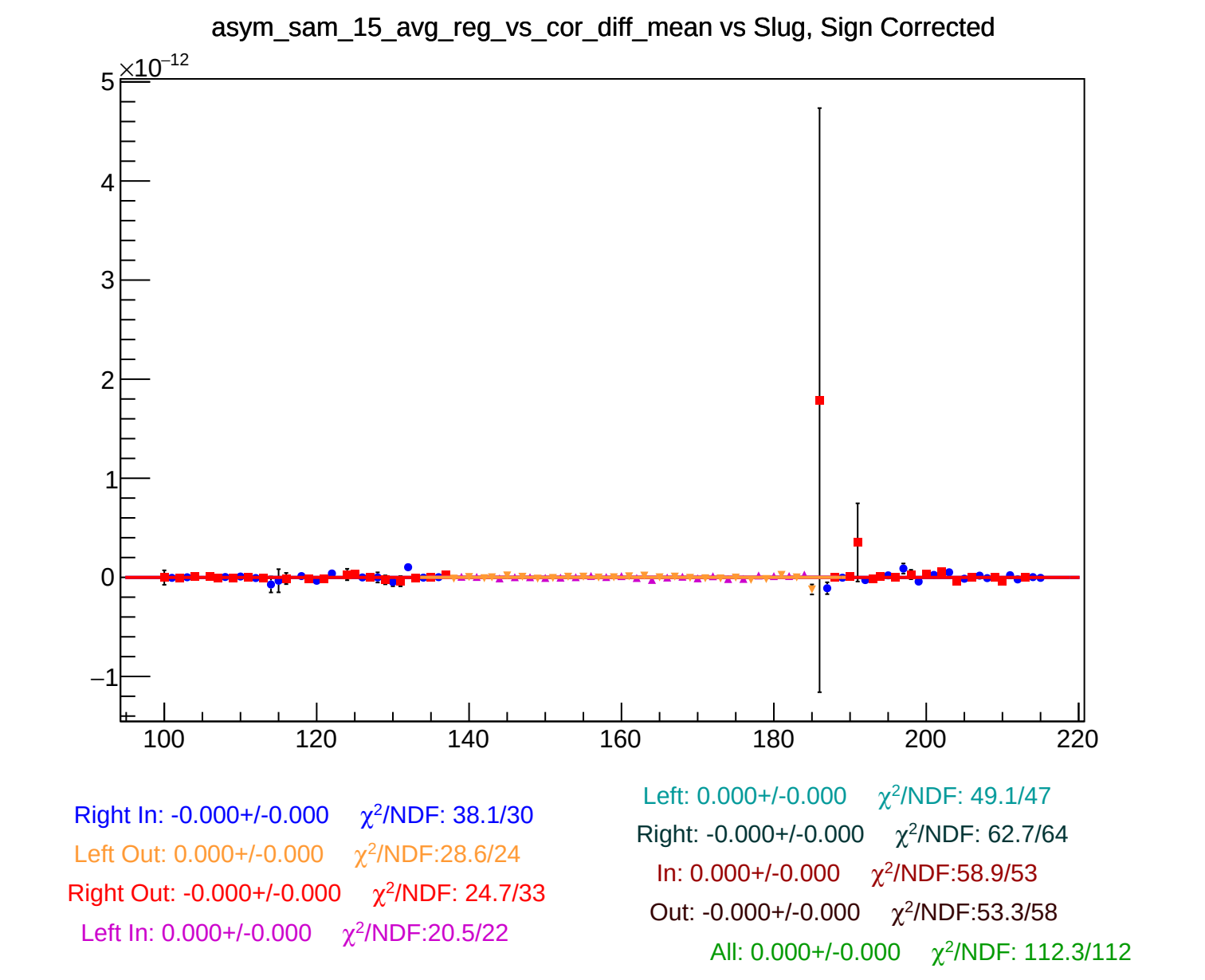
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

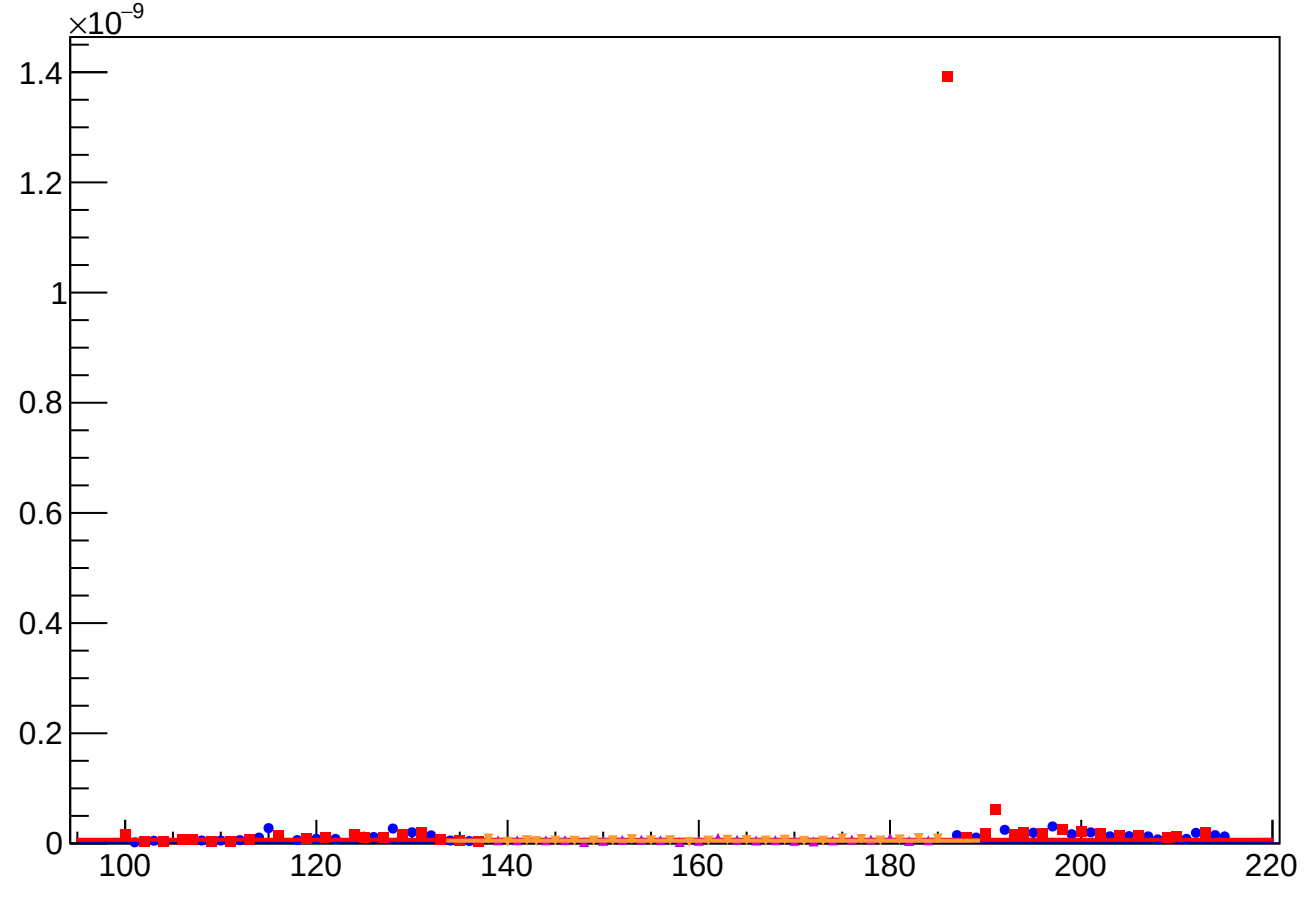
Right: 179.574+/-0.025 χ^2/NDF: 22782711.8/64

In: 225.109+/-0.030 χ^2/NDF:18054472.1/53

Out: 224.526+/-0.029 χ^2/NDF:17746815.4/58

All: 224.812+/-0.021 χ^2/NDF: 35801479.3/11


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: 38.1/30
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.7/33
Left In: 0.000+/-0.000 χ²/NDF:20.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.1/47
Right: -0.000+/-0.000 χ²/NDF: 62.7/64
In: 0.000+/-0.000 χ²/NDF:58.9/53
Out: -0.000+/-0.000 χ²/NDF:53.3/58
All: 0.000+/-0.000 χ²/NDF: 112.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 7343274.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5674985.7/33

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

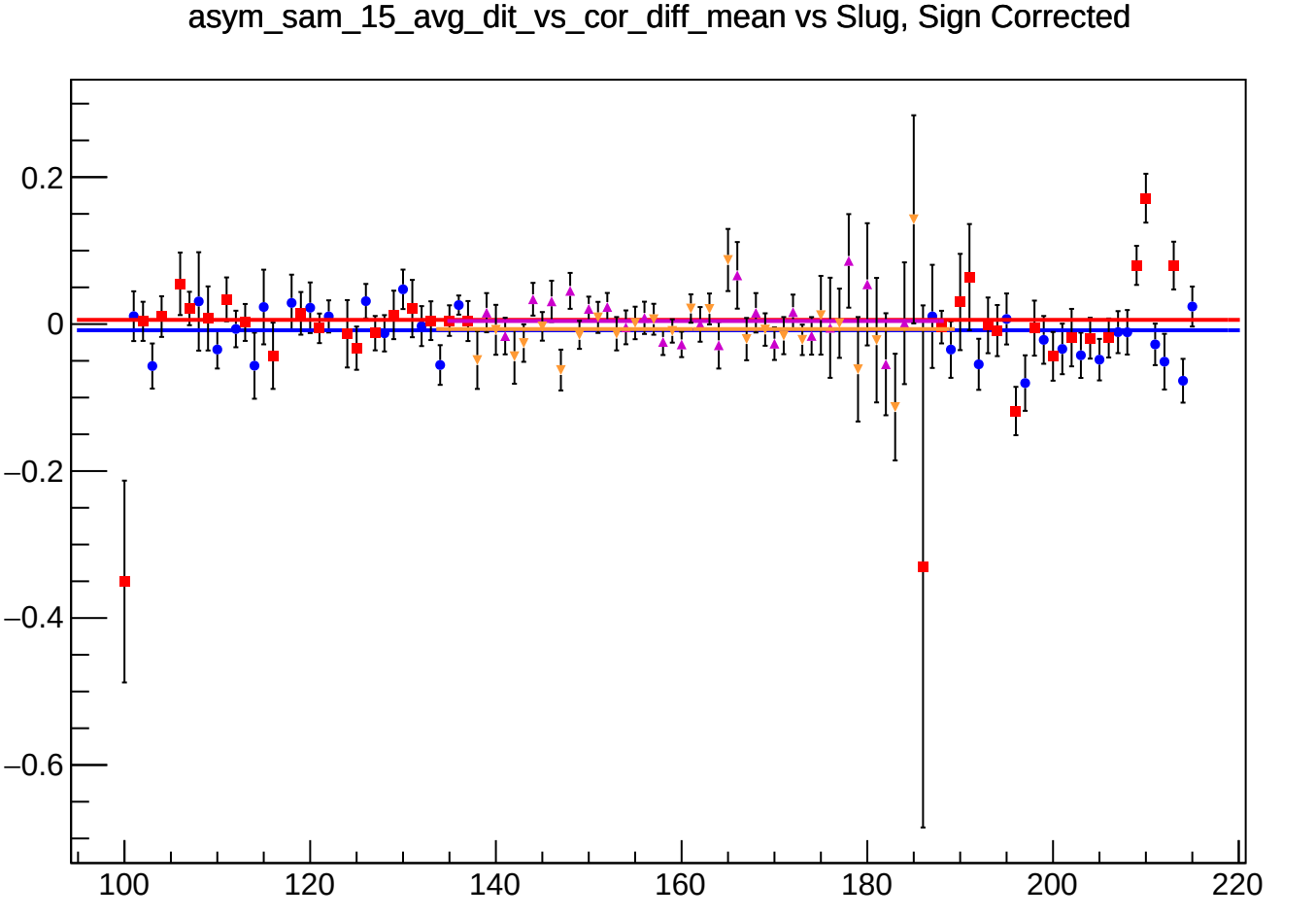
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13412162.6/64

In: 0.000+/-0.000 χ^2/NDF:8571088.7/53

Out: 0.000+/-0.000 χ^2/NDF:7438410.7/58

All: 0.000+/-0.000 χ^2/NDF: 16130426.2/112



Right In: -0.008+/-0.005 χ^2/NDF: 44.0/30

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.006+/-0.005 χ^2/NDF: 72.2/33

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

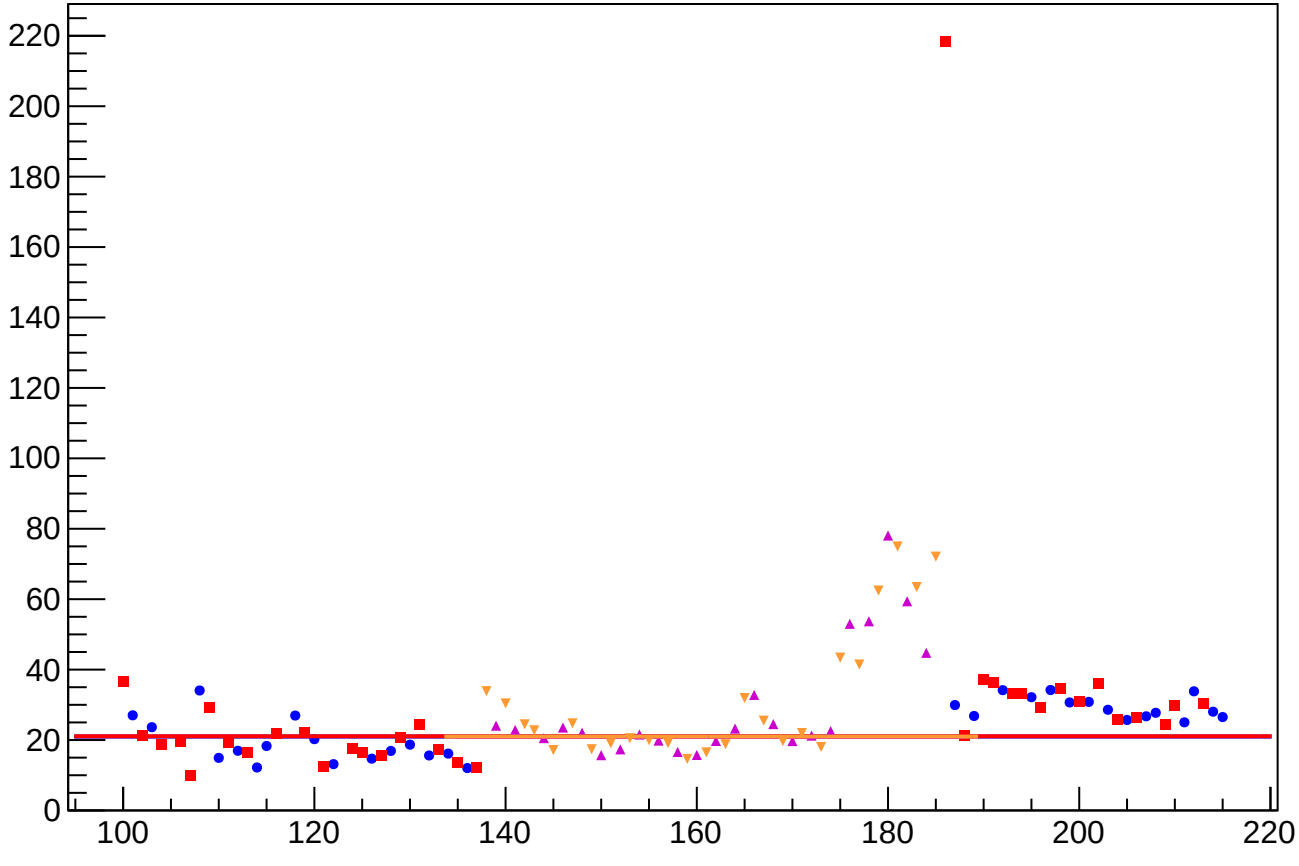
Right: -0.001+/-0.004 χ^2/NDF: 119.8/64

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.001+/-0.003 χ^2/NDF: 167.0/112

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.982+/-0.004 χ^2/NDF: 3984078.6/30

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 21.068+/-0.004 χ^2/NDF: 4312885.4/33

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

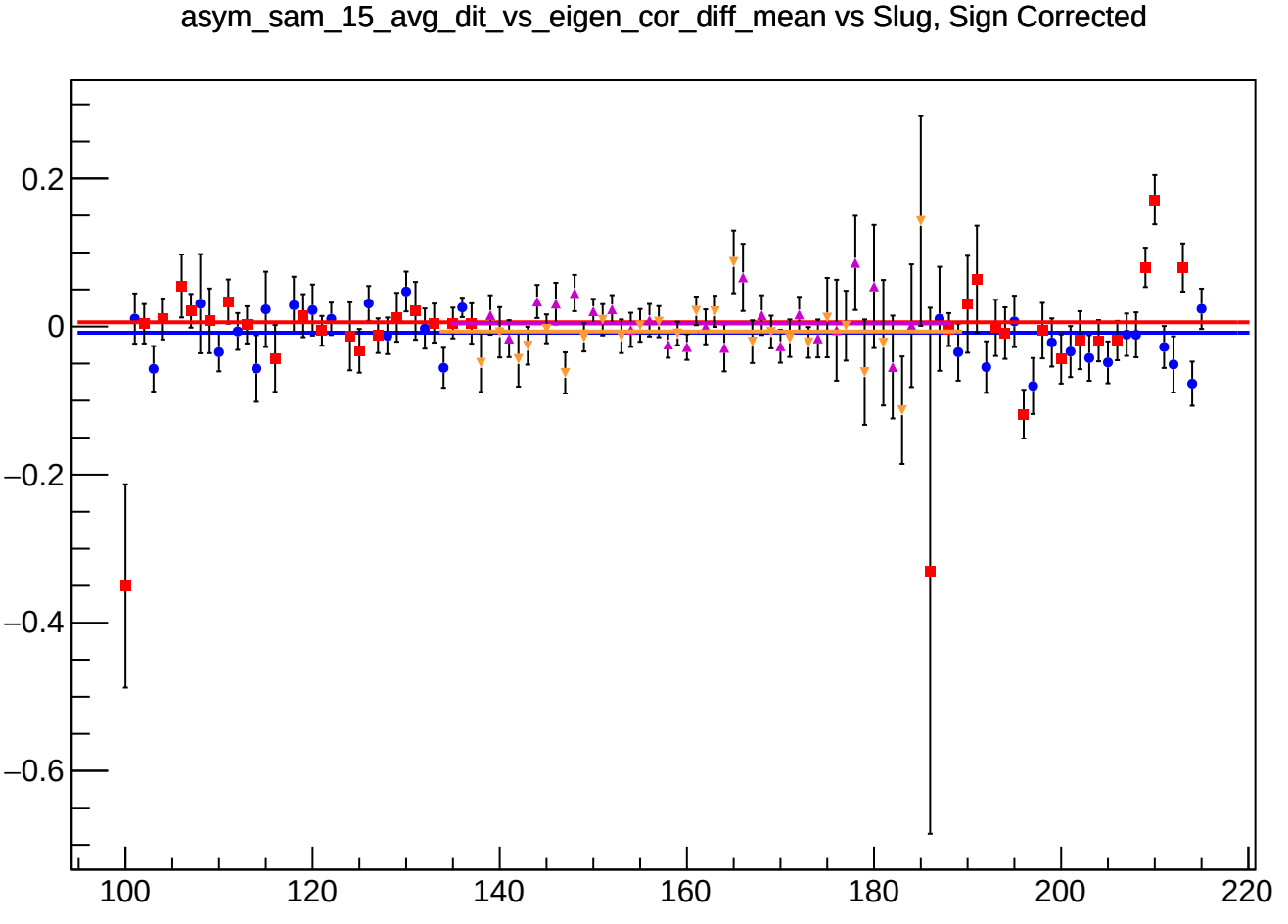
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.024+/-0.003 χ^2/NDF: 8297237.8/64

In: 20.926+/-0.003 χ^2/NDF:7519431.3/53

Out: 21.024+/-0.003 χ^2/NDF:8780175.1/58

All: 20.975+/-0.002 χ^2/NDF: 16300307.7/112



Right In: -0.008+/-0.005 χ^2/NDF: 44.0/30

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.006+/-0.005 χ^2/NDF: 72.2/33

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

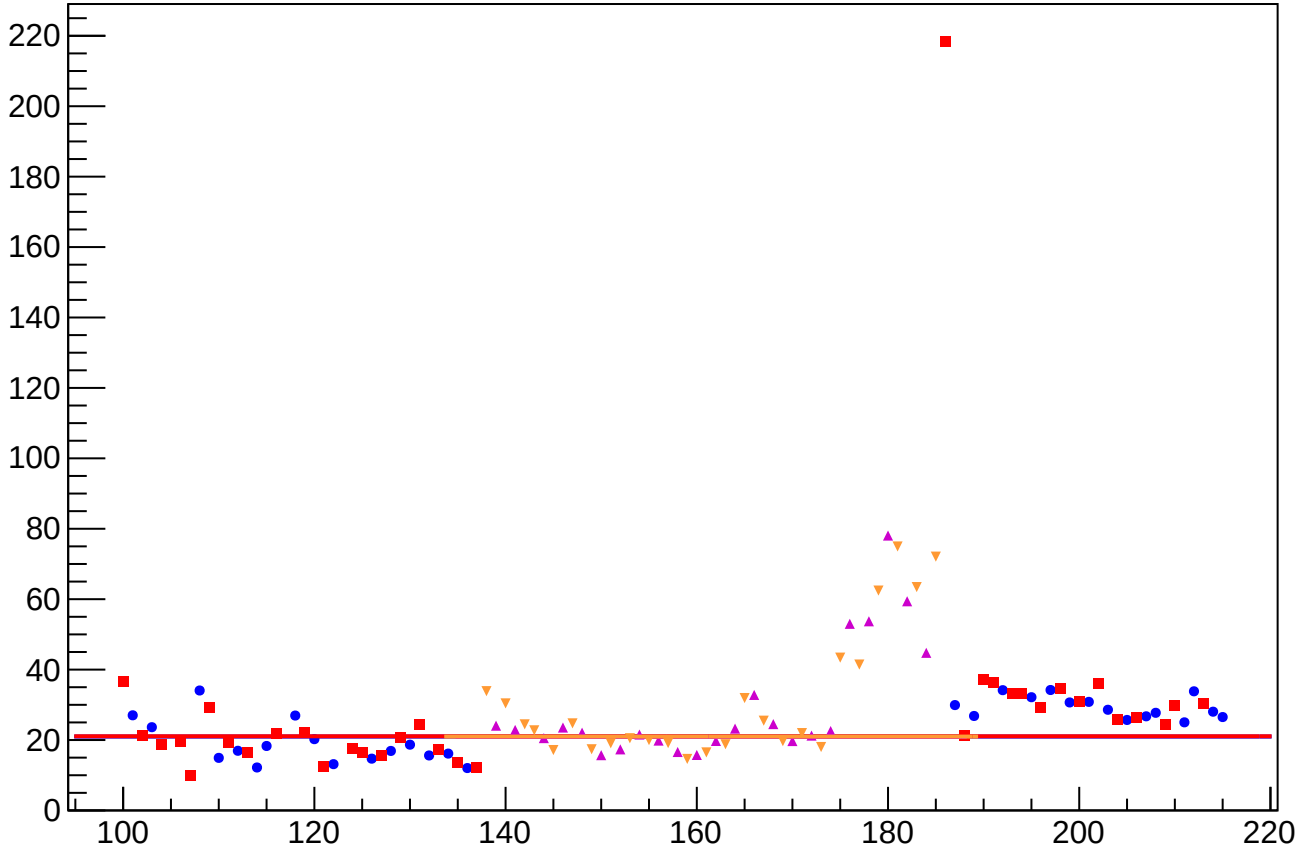
Right: -0.001+/-0.004 χ^2/NDF: 119.8/64

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.001+/-0.003 χ^2/NDF: 167.0/112

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.982+/-0.004 χ^2/NDF: 3984078.6/30

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 21.068+/-0.004 χ^2/NDF: 4312885.4/33

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

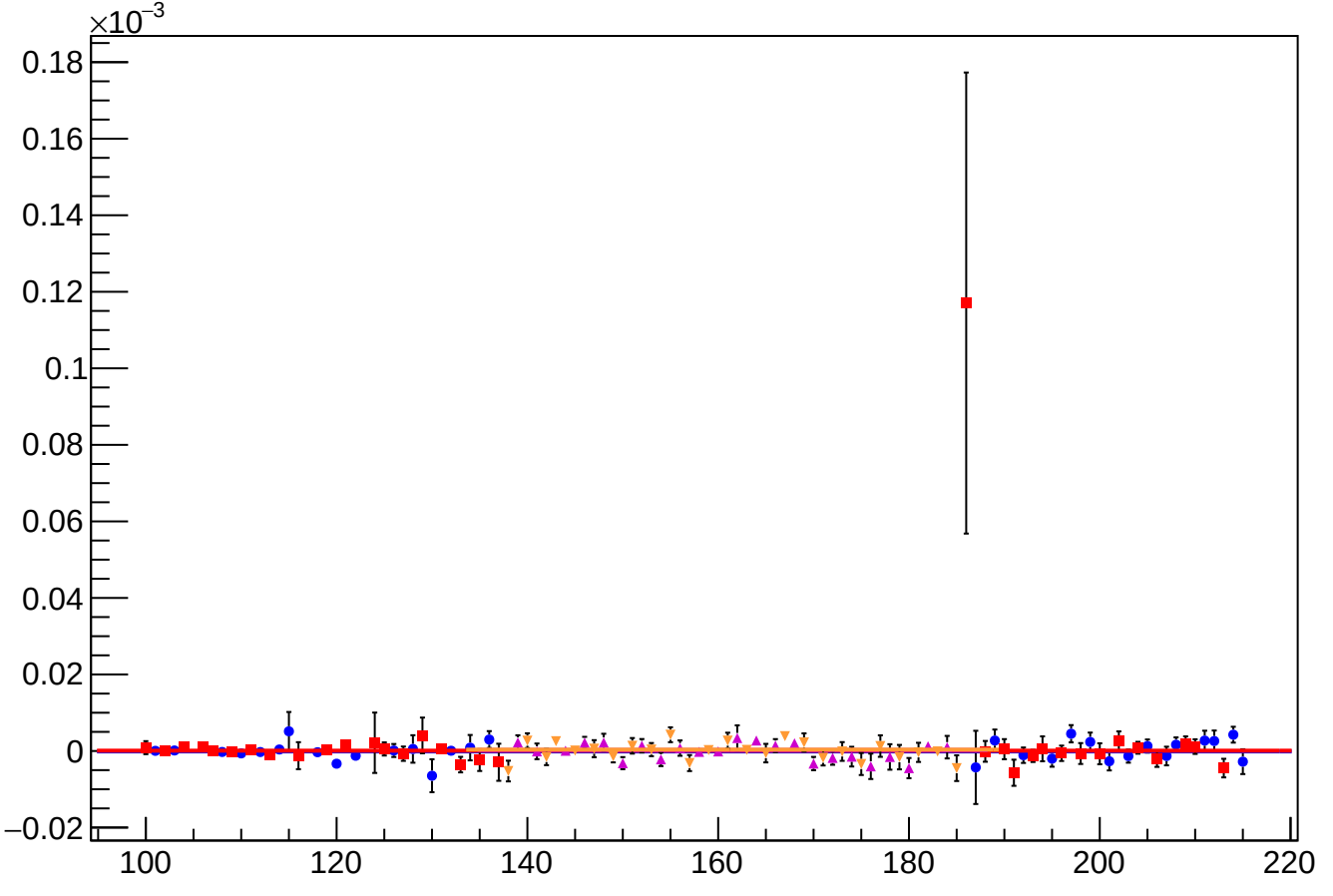
Right: 21.024+/-0.003 χ^2/NDF: 8297237.8/64

In: 20.926+/-0.003 χ^2/NDF:7519431.3/53

Out: 21.024+/-0.003 χ^2/NDF:8780175.1/58

All: 20.975+/-0.002 χ^2/NDF: 16300307.7/112

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/33

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

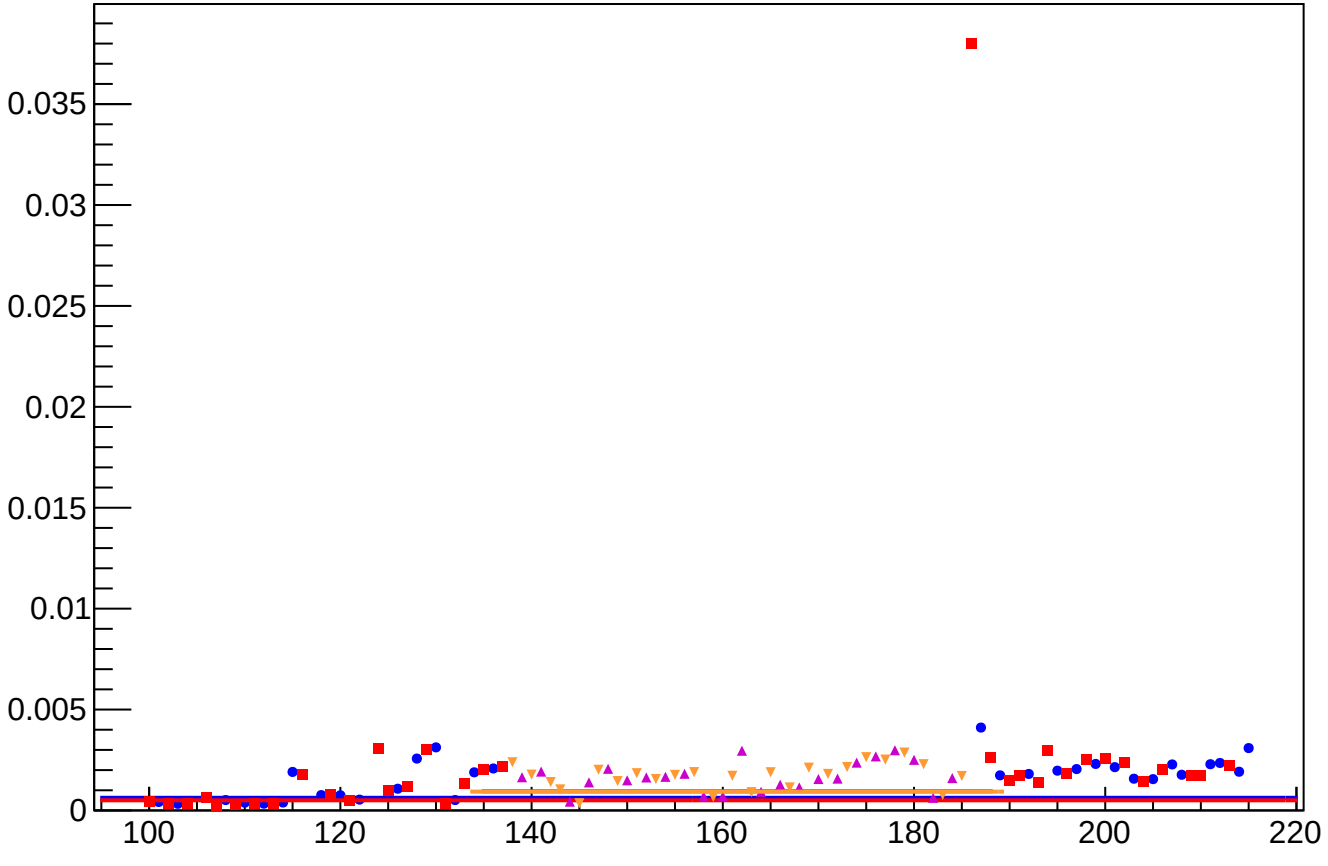
Right: 0.000+/-0.000 χ^2/NDF: 68.6/64

In: 0.000+/-0.000 χ^2/NDF:65.8/53

Out: 0.000+/-0.000 χ^2/NDF:70.1/58

All: 0.000+/-0.000 χ^2/NDF: 136.4/112

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 16243967.7/30

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 17942891.1/33

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

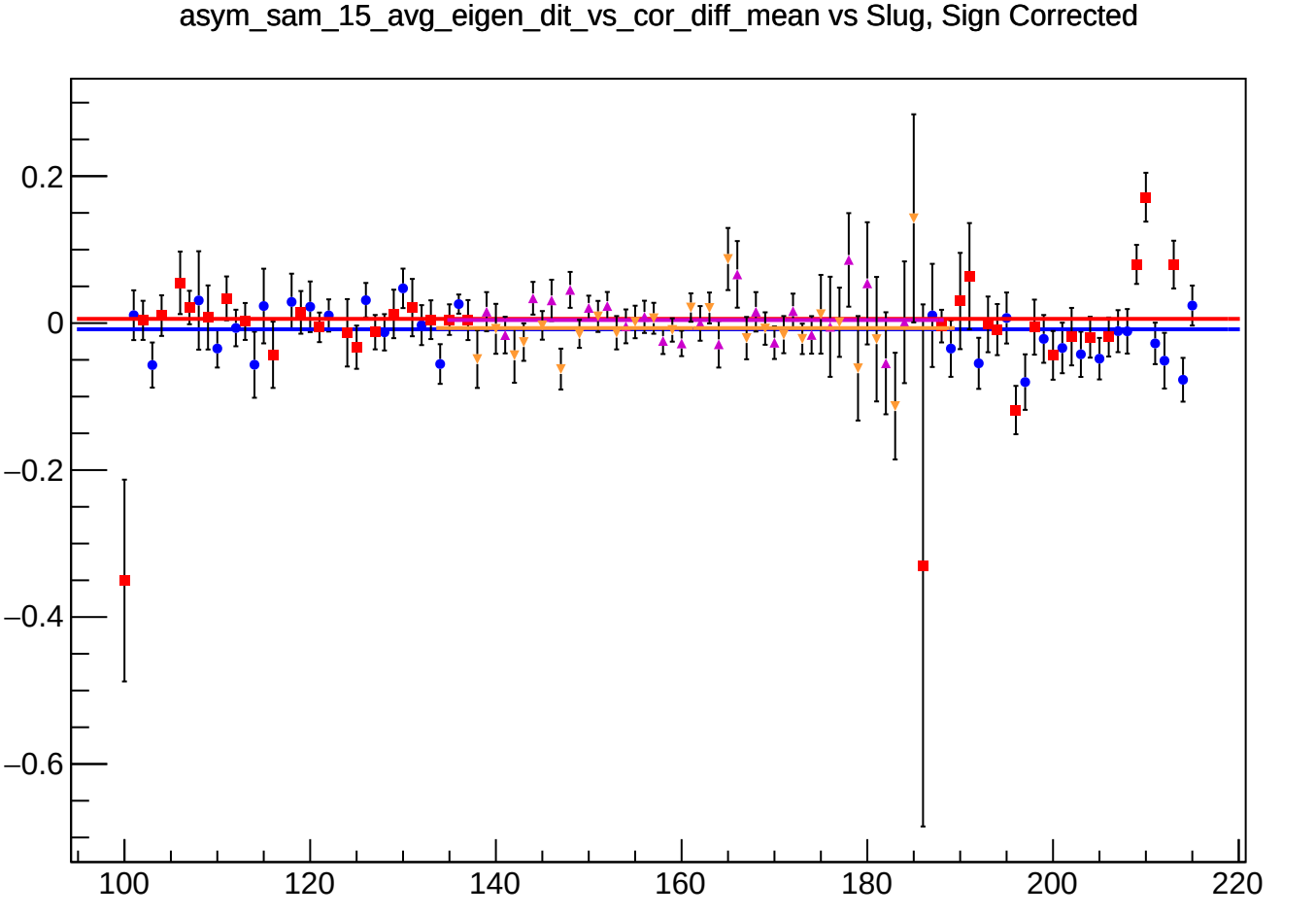
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 34657457.1/64

In: 0.001+/-0.000 χ^2/NDF:27622884.0/53

Out: 0.001+/-0.000 χ^2/NDF:33800724.3/58

All: 0.001+/-0.000 χ^2/NDF: 62026232.3/112



Right In: -0.008+/-0.005 χ^2/NDF: 44.0/30

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.006+/-0.005 χ^2/NDF: 72.2/33

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

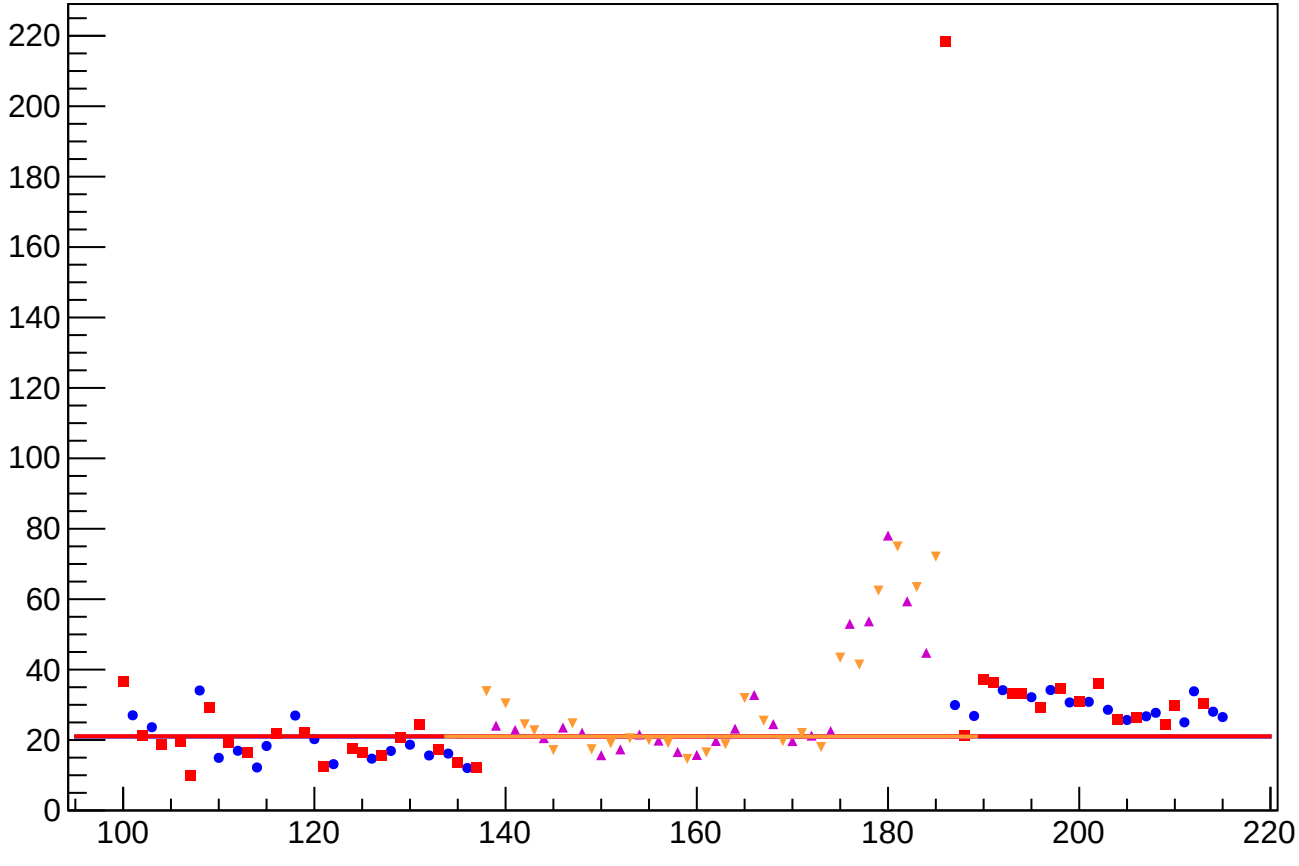
Right: -0.001+/-0.004 χ^2/NDF: 119.8/64

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: -0.001+/-0.004 χ^2/NDF:96.8/58

All: -0.001+/-0.003 χ^2/NDF: 167.0/112

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.982+/-0.004 χ^2/NDF: 3984076.2/30

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 21.068+/-0.004 χ^2/NDF: 4312893.6/33

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

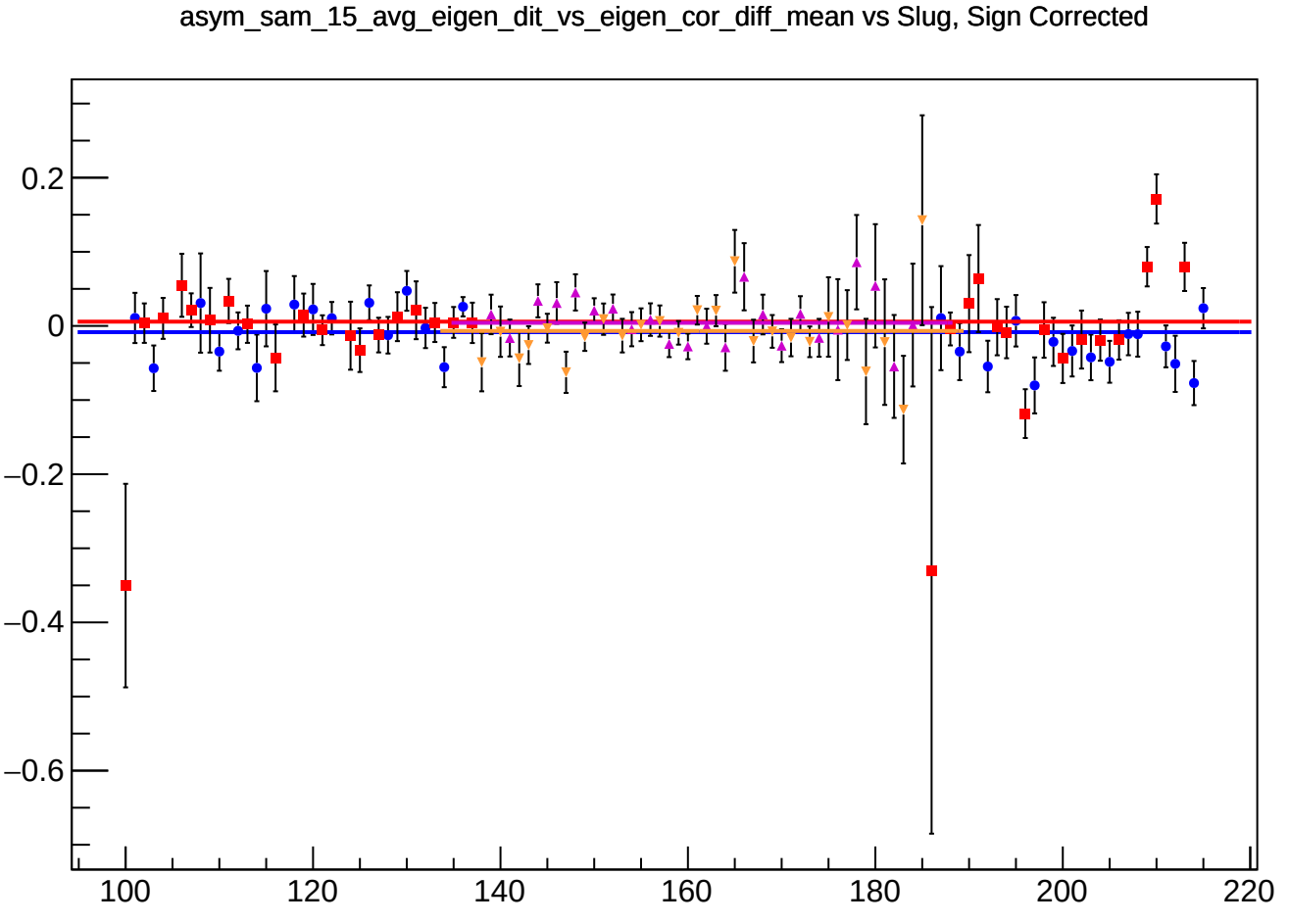
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.024+/-0.003 χ^2/NDF: 8297243.2/64

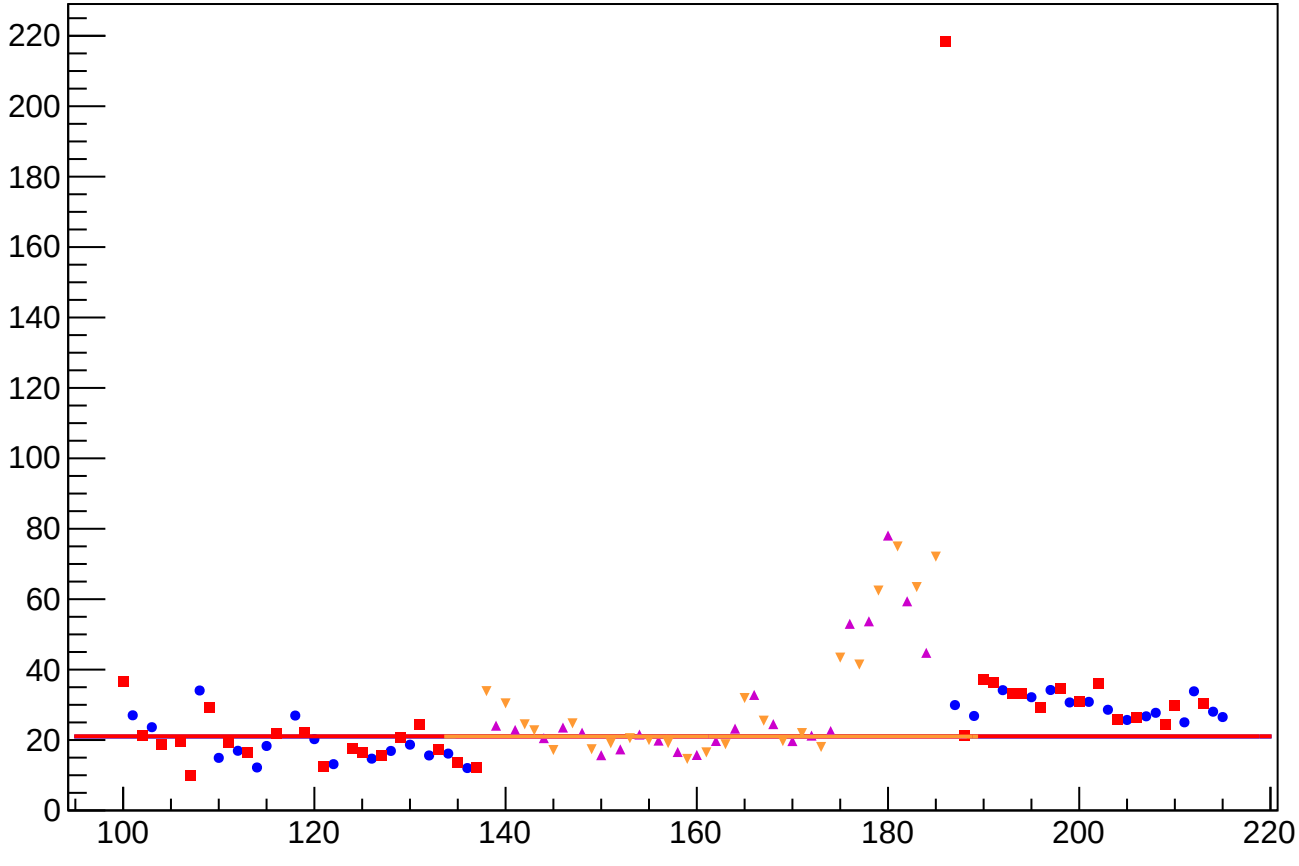
In: 20.926+/-0.003 χ^2/NDF:7519472.6/53

Out: 21.024+/-0.003 χ^2/NDF:8780153.7/58

All: 20.975+/-0.002 χ^2/NDF: 16300327.6/112


asym_sam_15_avg_eigen_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: -0.008+/-0.005 χ²/NDF: 44.0/30
Left Out: -0.007+/-0.005 χ²/NDF:21.8/24
Right Out: 0.006+/-0.005 χ²/NDF: 72.2/33
Left In: 0.004+/-0.005 χ²/NDF:23.2/22
Left: -0.001+/-0.004 χ²/NDF: 47.1/47
Right: -0.001+/-0.004 χ²/NDF: 119.8/64
In: -0.002+/-0.004 χ²/NDF:70.0/53
Out: -0.001+/-0.004 χ²/NDF:96.8/58
All: -0.001+/-0.003 χ²/NDF: 167.0/112

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.982+/-0.004 χ^2/NDF: 3984076.2/30

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 21.068+/-0.004 χ^2/NDF: 4312893.6/33

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

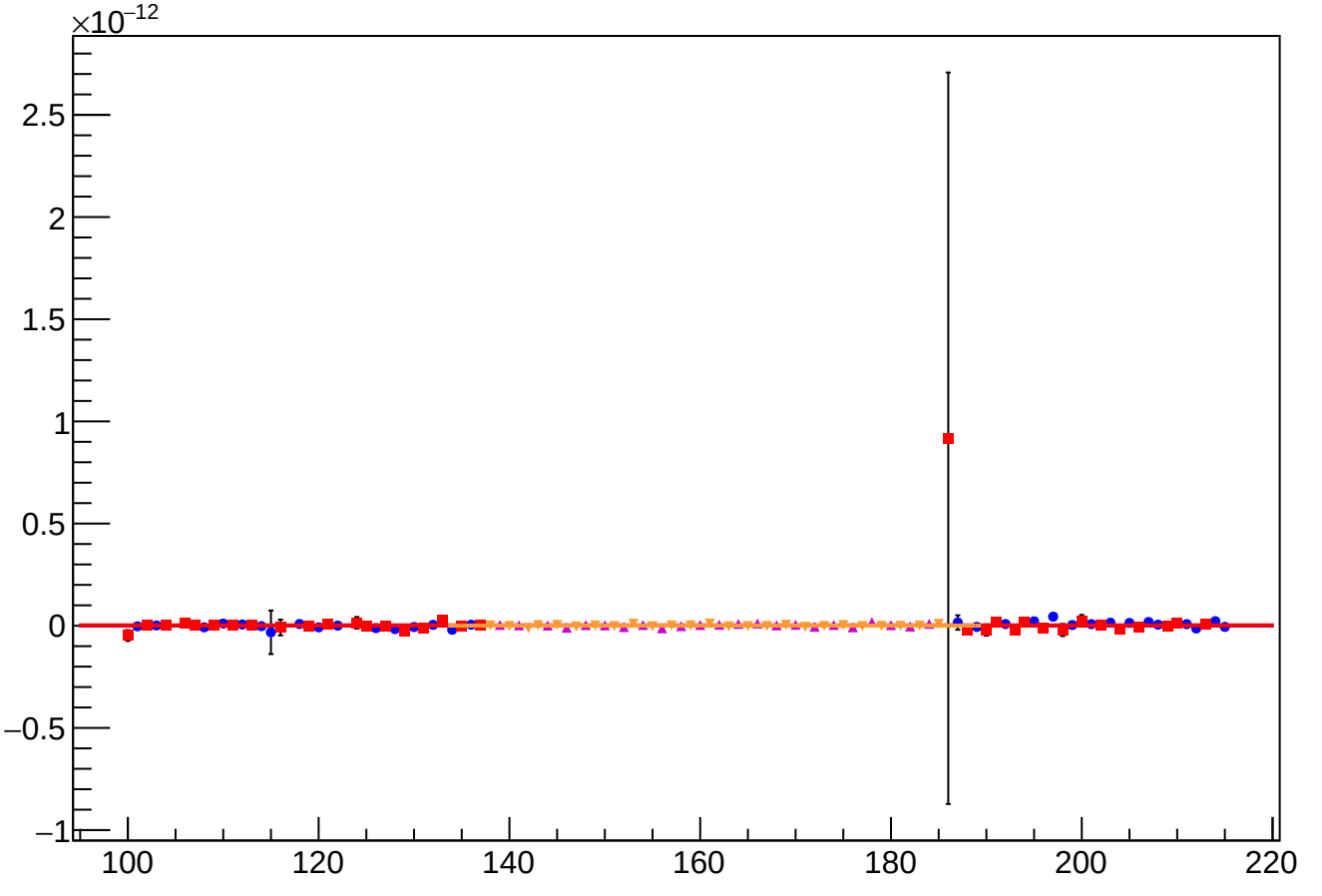
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.024+/-0.003 χ^2/NDF: 8297243.2/64

In: 20.926+/-0.003 χ^2/NDF:7519472.6/53

Out: 21.024+/-0.003 χ^2/NDF:8780153.7/58

All: 20.975+/-0.002 χ^2/NDF: 16300327.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/33

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

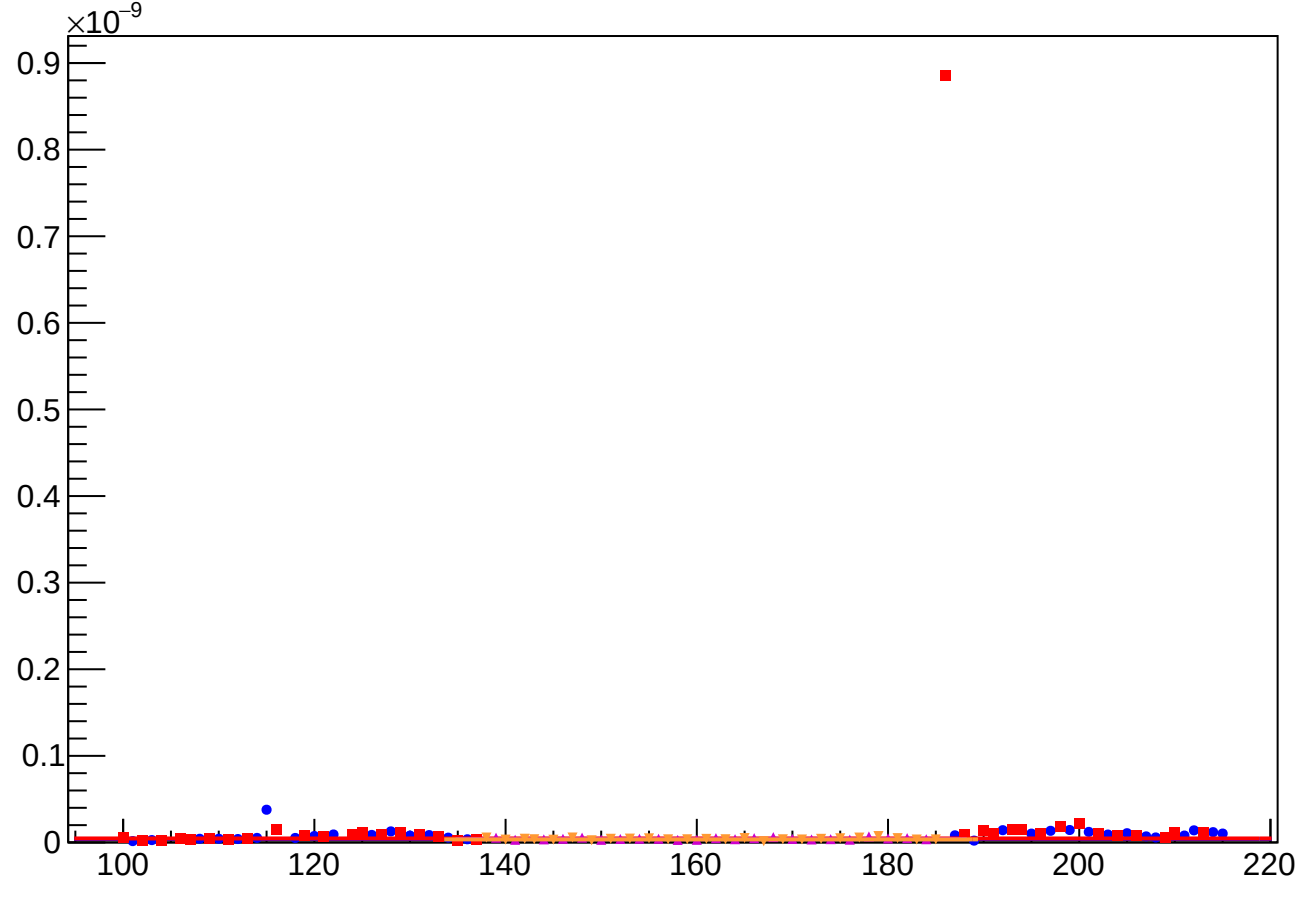
Right: 0.000+/-0.000 χ^2/NDF: 55.6/64

In: 0.000+/-0.000 χ^2/NDF:55.1/53

Out: 0.000+/-0.000 χ^2/NDF:41.8/58

All: 0.000+/-0.000 χ^2/NDF: 96.9/112

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9088448.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8461261.9/33

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

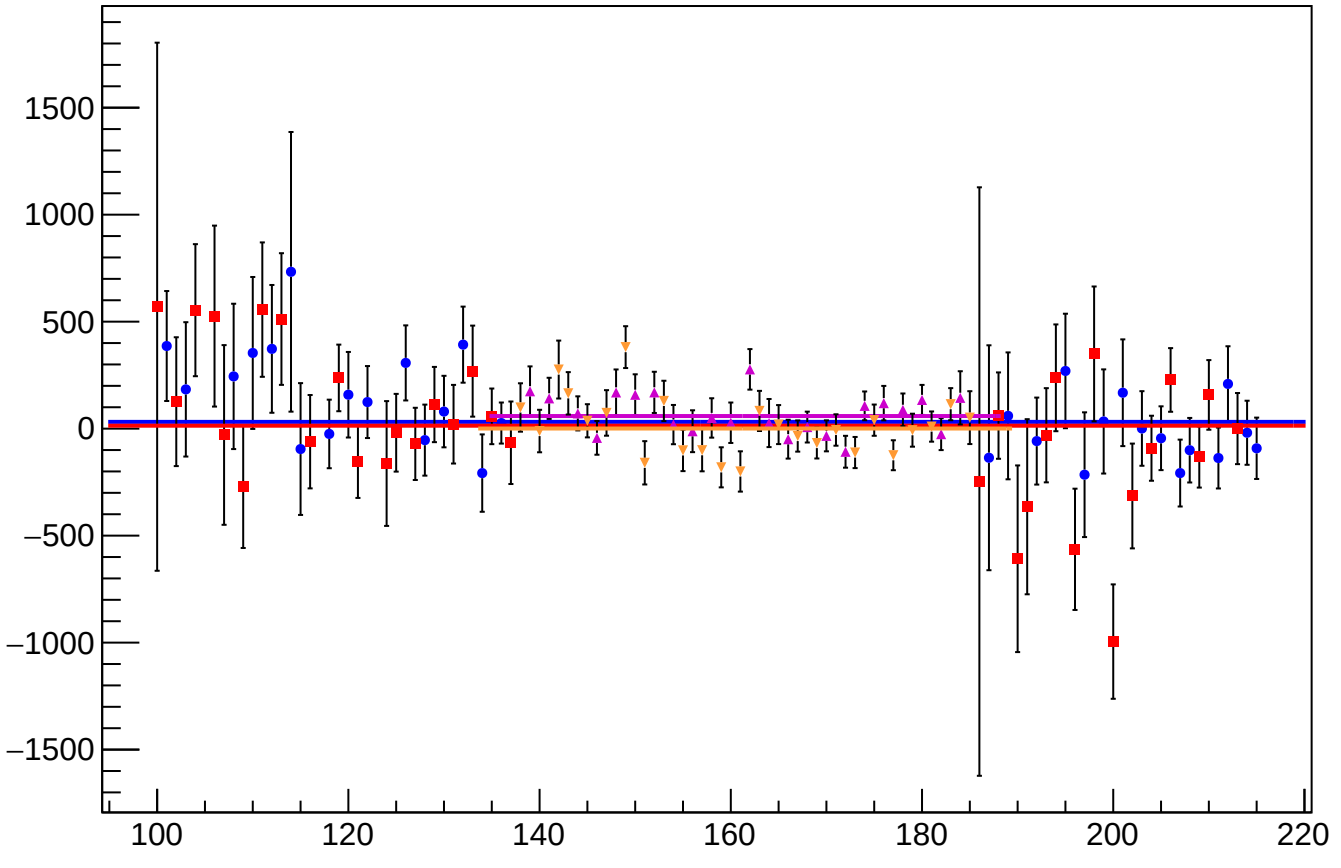
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17687741.8/64

In: 0.000+/-0.000 χ^2/NDF:10293570.5/53

Out: 0.000+/-0.000 χ^2/NDF:11583665.4/58

All: 0.000+/-0.000 χ^2/NDF: 21889233.9/112



Right In: 31.629+/-33.779 χ^2/NDF: 24.3/30

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 13.744+/-36.550 χ^2/NDF: 46.9/33

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

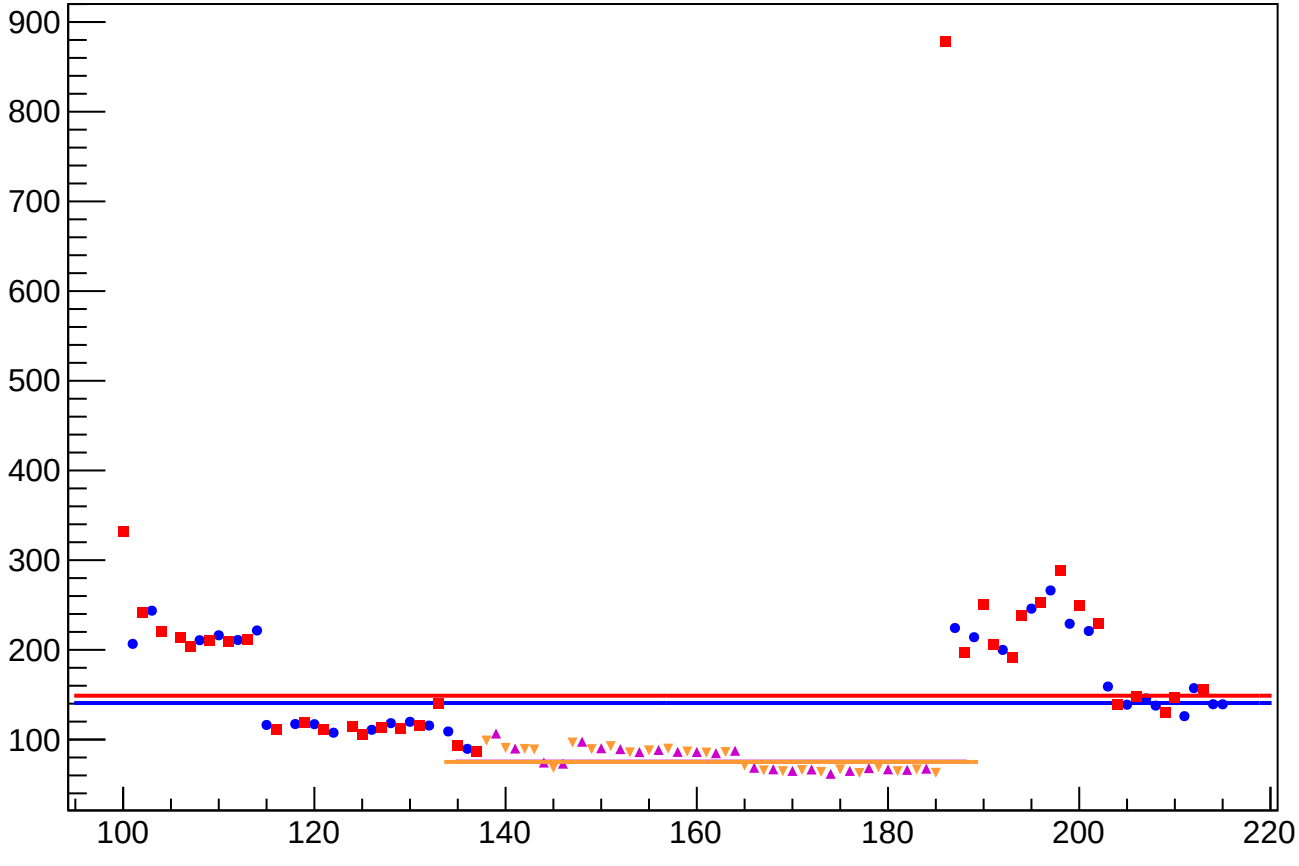
Right: 23.390+/-24.807 χ^2/NDF: 71.3/64

In: 52.937+/-15.802 χ^2/NDF:50.6/53

Out: 3.008+/-15.651 χ^2/NDF:95.6/58

All: 27.733+/-11.120 χ^2/NDF: 151.3/112

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 140.765+/-0.024 χ^2/NDF: 3176976.7/30

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.893+/-0.026 χ^2/NDF: 4228699.1/33

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

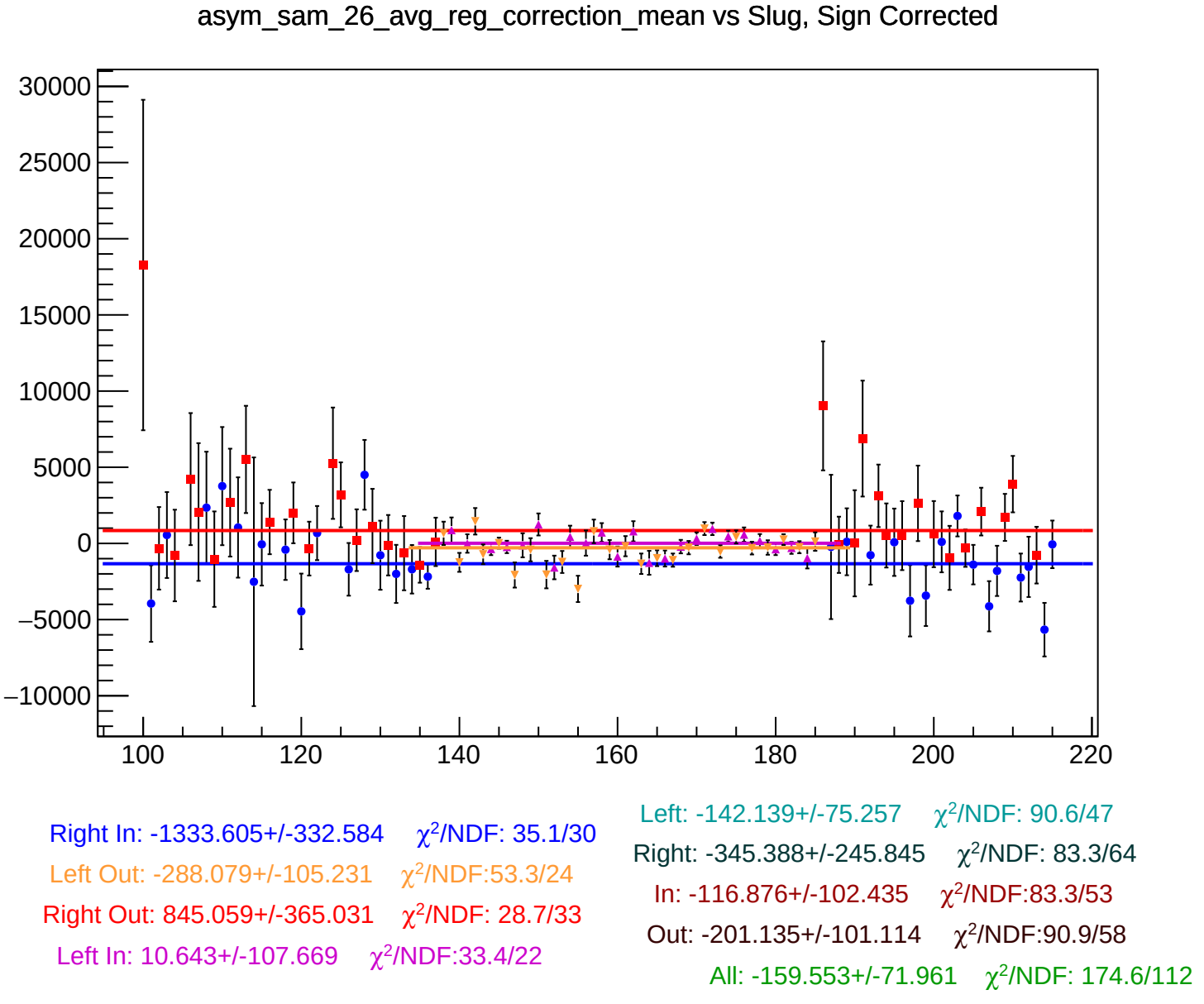
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

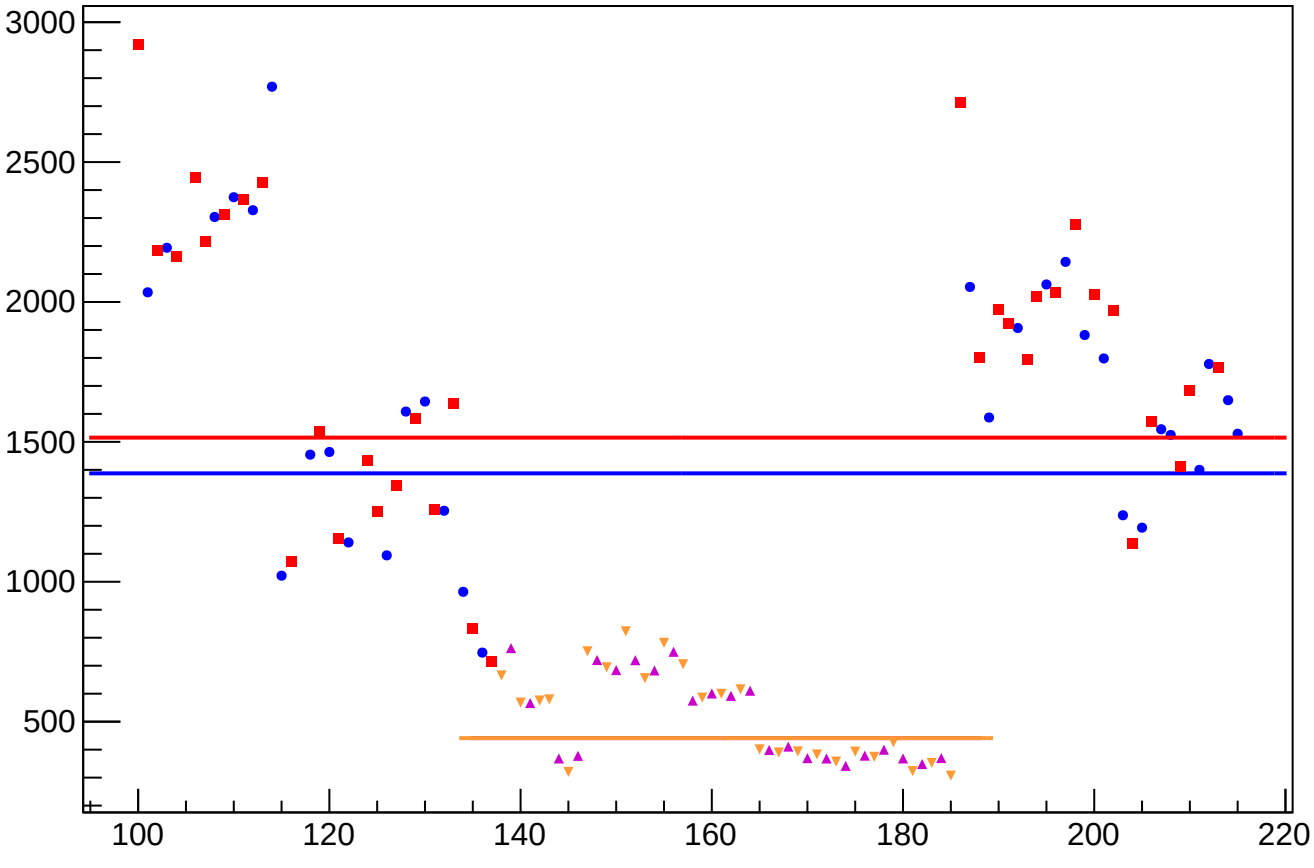
Right: 144.509+/-0.018 χ^2/NDF: 7459009.4/64

In: 89.667+/-0.011 χ^2/NDF:9873323.3/53

Out: 88.583+/-0.011 χ^2/NDF:11824757.1/58

All: 89.120+/-0.008 χ^2/NDF: 21702834.7/112


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1333.605+/-332.584 χ²/NDF: 35.1/30
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 845.059+/-365.031 χ²/NDF: 28.7/33
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -345.388+/-245.845 χ²/NDF: 83.3/64
In: -116.876+/-102.435 χ²/NDF:83.3/53
Out: -201.135+/-101.114 χ²/NDF:90.9/58
All: -159.553+/-71.961 χ²/NDF: 174.6/112



Right In: 1387.480+/-0.235 χ^2/NDF: 3433528.4/30

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1515.187+/-0.258 χ^2/NDF: 3384944.4/33

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

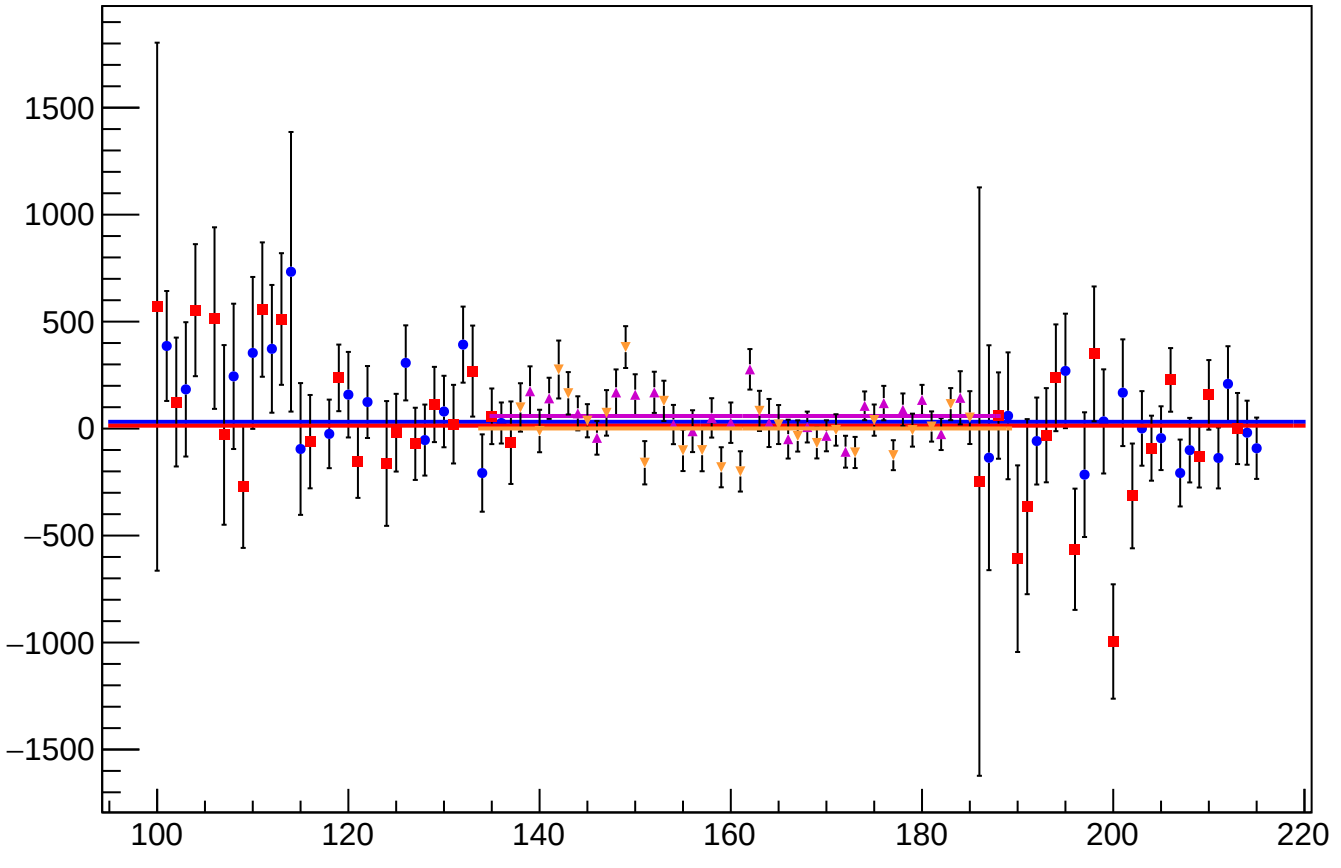
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1445.407+/-0.174 χ^2/NDF: 6952230.5/64

In: 530.963+/-0.072 χ^2/NDF:20770586.1/53

Out: 523.540+/-0.071 χ^2/NDF:22606130.6/58

All: 527.203+/-0.051 χ^2/NDF: 43382037.2/11



Right In: 31.617+/-33.779 χ^2/NDF: 24.3/30

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 13.619+/-36.552 χ^2/NDF: 46.8/33

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

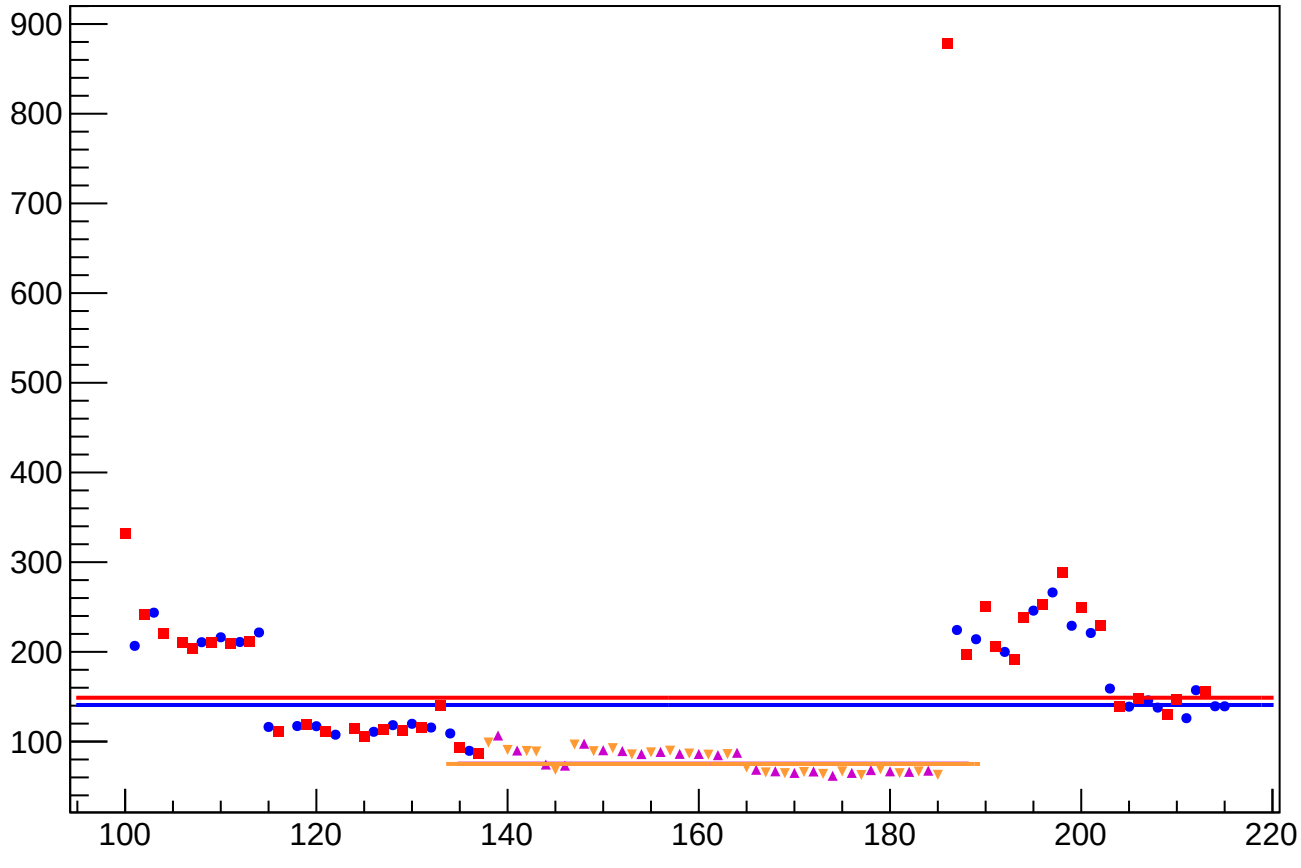
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 23.327+/-24.808 χ^2/NDF: 71.2/64

In: 52.933+/-15.802 χ^2/NDF:50.6/53

Out: 2.985+/-15.651 χ^2/NDF:95.5/58

All: 27.719+/-11.120 χ^2/NDF: 151.2/112



Right In: 140.765+/-0.024 χ^2/NDF: 3176979.2/30

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.867+/-0.026 χ^2/NDF: 4224341.2/33

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

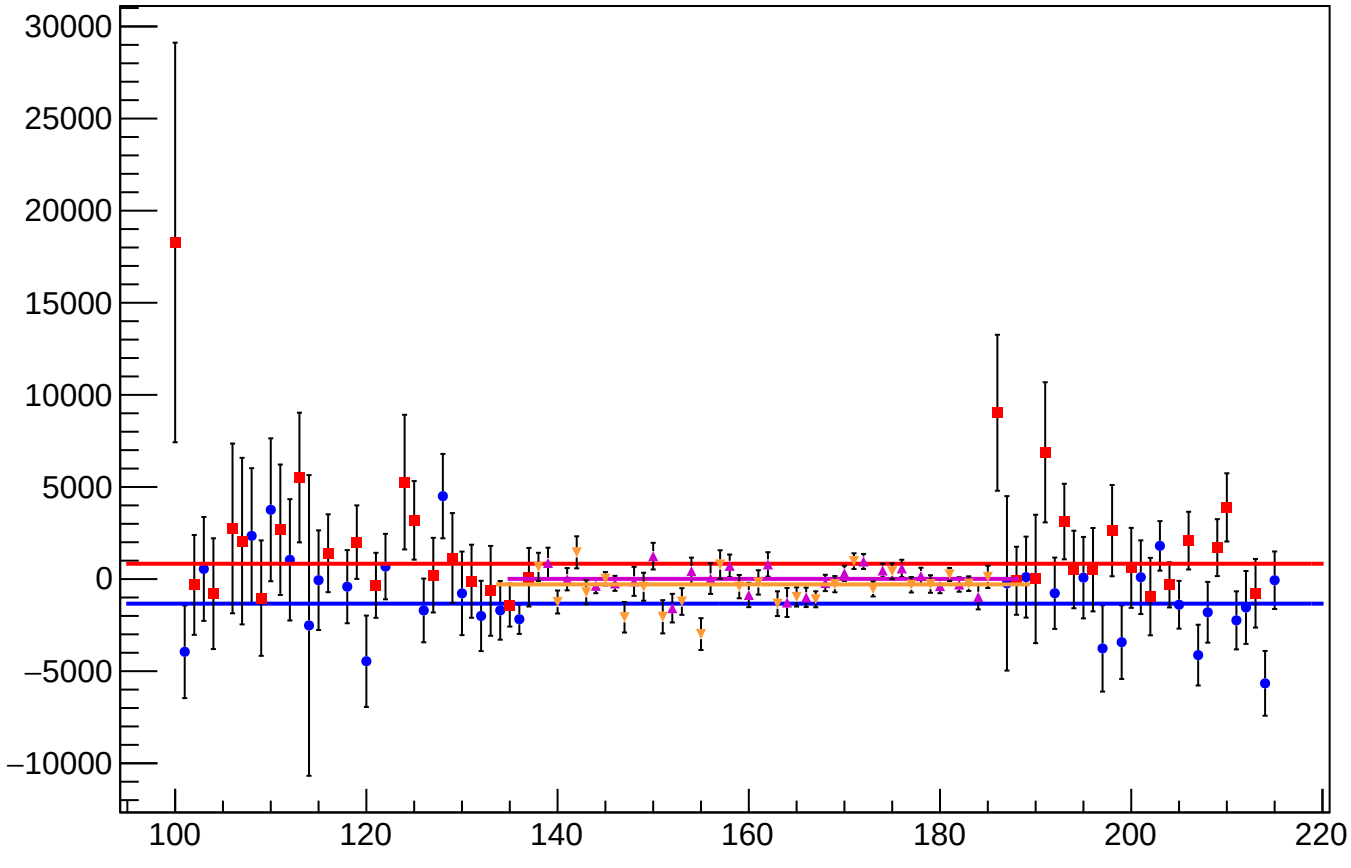
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.497+/-0.018 χ^2/NDF: 7454312.1/64

In: 89.667+/-0.011 χ^2/NDF:9873325.4/53

Out: 88.577+/-0.011 χ^2/NDF:11815340.5/58

All: 89.117+/-0.008 χ^2/NDF: 21693468.6/112



Right In: -1333.599+/-332.584 χ^2/NDF: 35.1/30

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 833.188+/-365.185 χ^2/NDF: 28.3/33

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

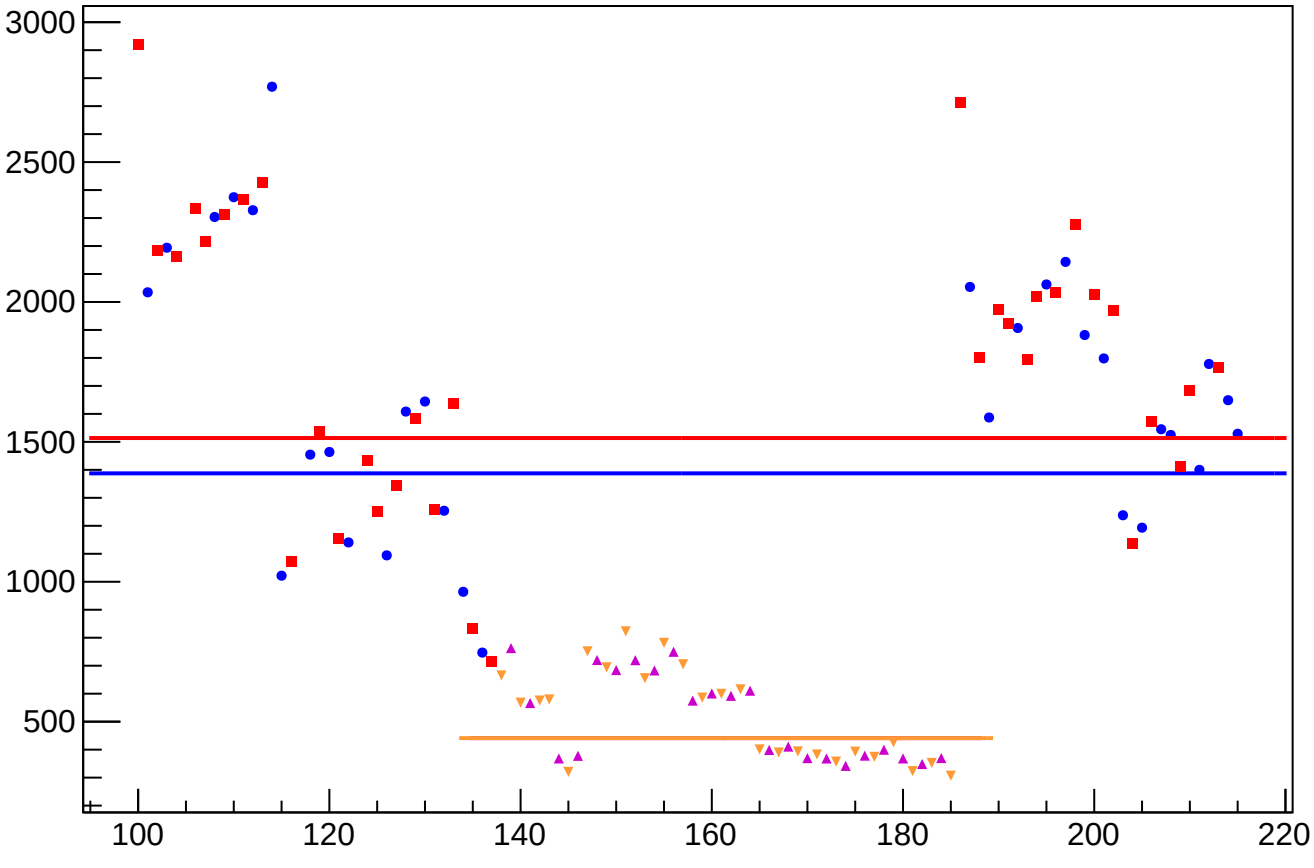
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -351.219+/-245.892 χ^2/NDF: 82.7/64

In: -116.875+/-102.435 χ^2/NDF:83.3/53

Out: -202.112+/-101.117 χ^2/NDF:90.3/58

All: -160.045+/-71.962 χ^2/NDF: 174.0/112



Right In: 1387.481+/-0.235 χ^2/NDF: 3433558.9/30

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1513.754+/-0.258 χ^2/NDF: 3356669.4/33

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

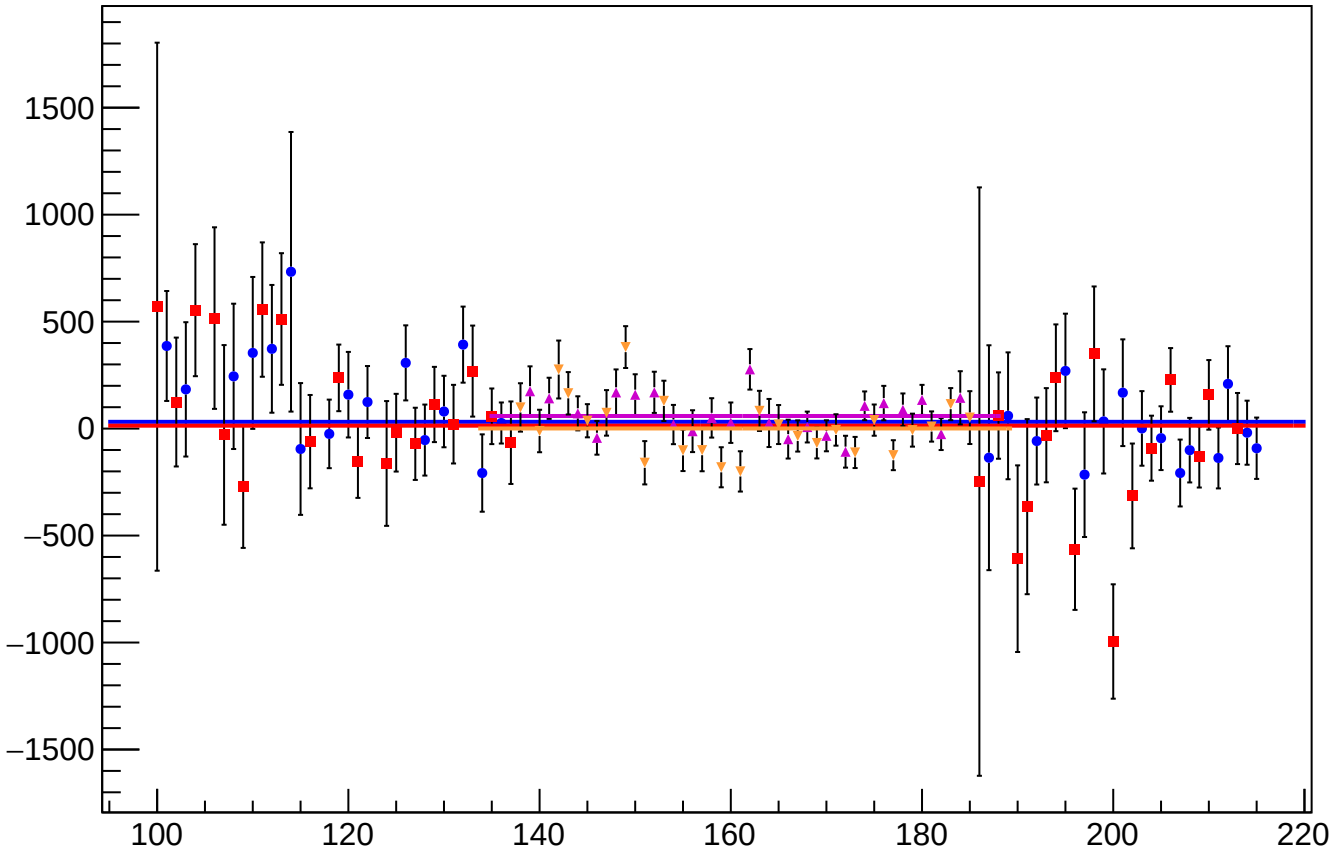
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1444.730+/-0.174 χ^2/NDF: 6920938.6/64

In: 530.964+/-0.072 χ^2/NDF:20770594.2/53

Out: 523.366+/-0.072 χ^2/NDF:22522841.4/58

All: 527.116+/-0.051 χ^2/NDF: 43299008.0/11



Right In: 31.617+/-33.779 χ^2/NDF: 24.3/30

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 13.619+/-36.552 χ^2/NDF: 46.8/33

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

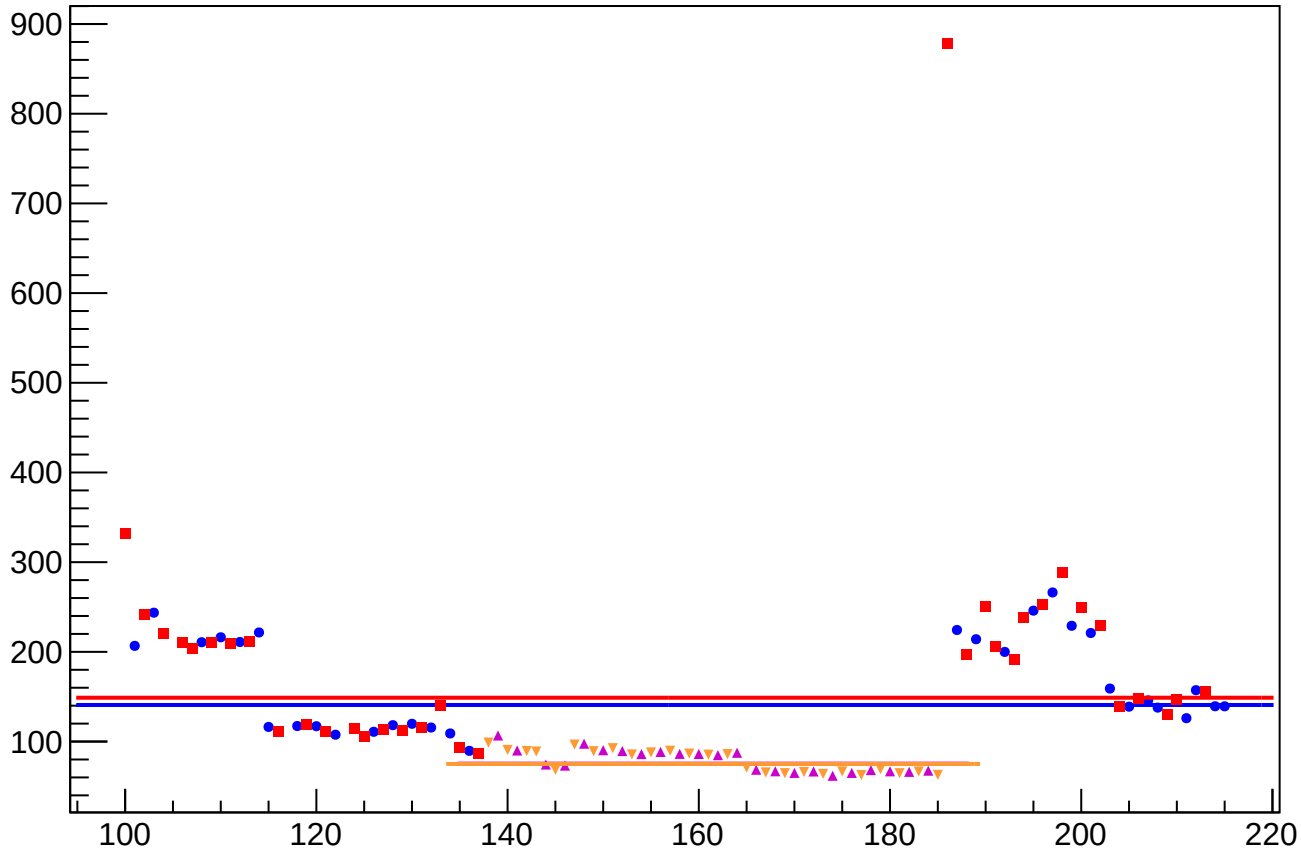
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 23.327+/-24.808 χ^2/NDF: 71.2/64

In: 52.933+/-15.802 χ^2/NDF:50.6/53

Out: 2.985+/-15.651 χ^2/NDF:95.5/58

All: 27.719+/-11.120 χ^2/NDF: 151.2/112



Right In: 140.765+/-0.024 χ^2/NDF: 3176979.2/30

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.867+/-0.026 χ^2/NDF: 4224341.2/33

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

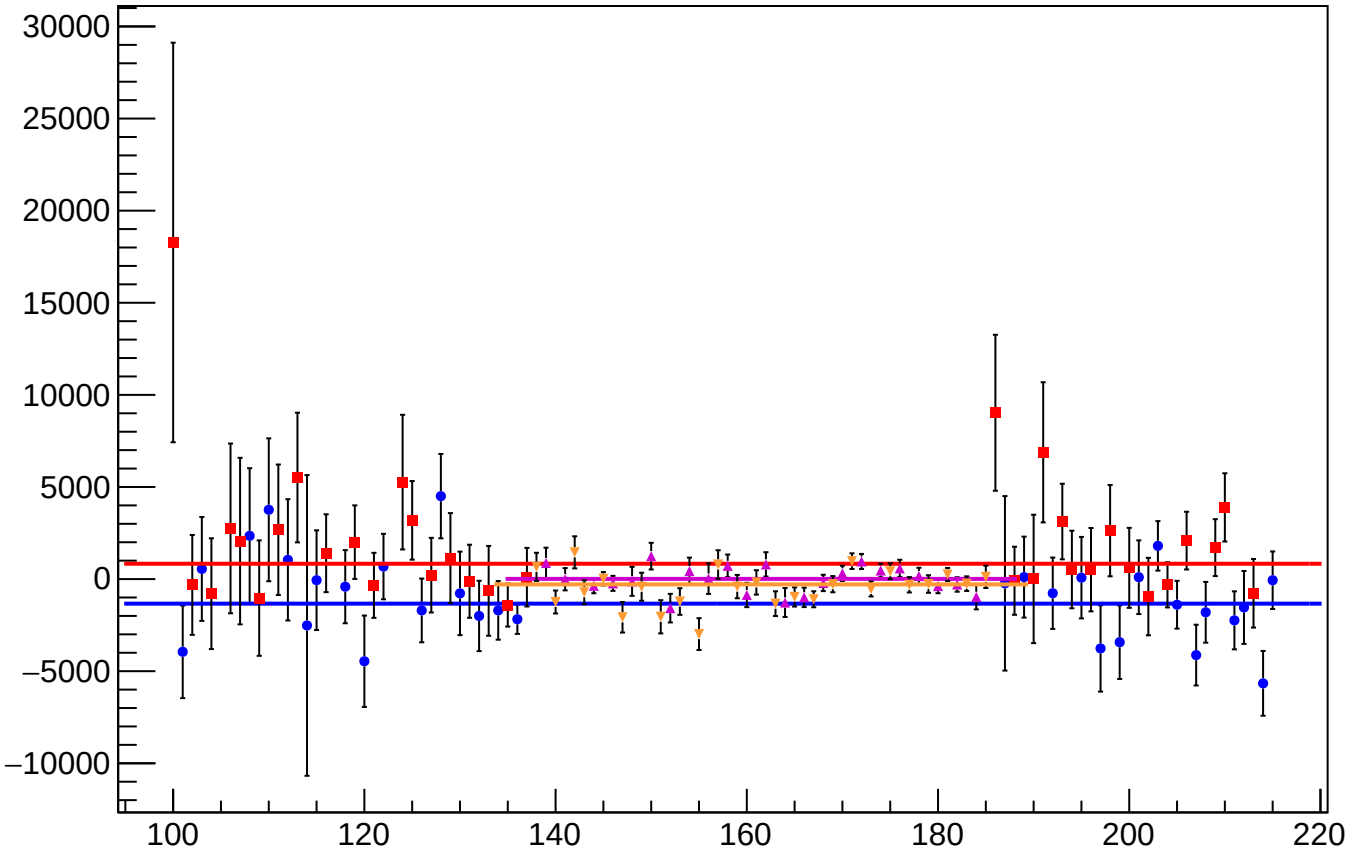
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.497+/-0.018 χ^2/NDF: 7454312.1/64

In: 89.667+/-0.011 χ^2/NDF:9873325.4/53

Out: 88.577+/-0.011 χ^2/NDF:11815340.5/58

All: 89.117+/-0.008 χ^2/NDF: 21693468.6/112



Right In: -1333.599+/-332.584 χ^2/NDF: 35.1/30

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 833.188+/-365.185 χ^2/NDF: 28.3/33

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

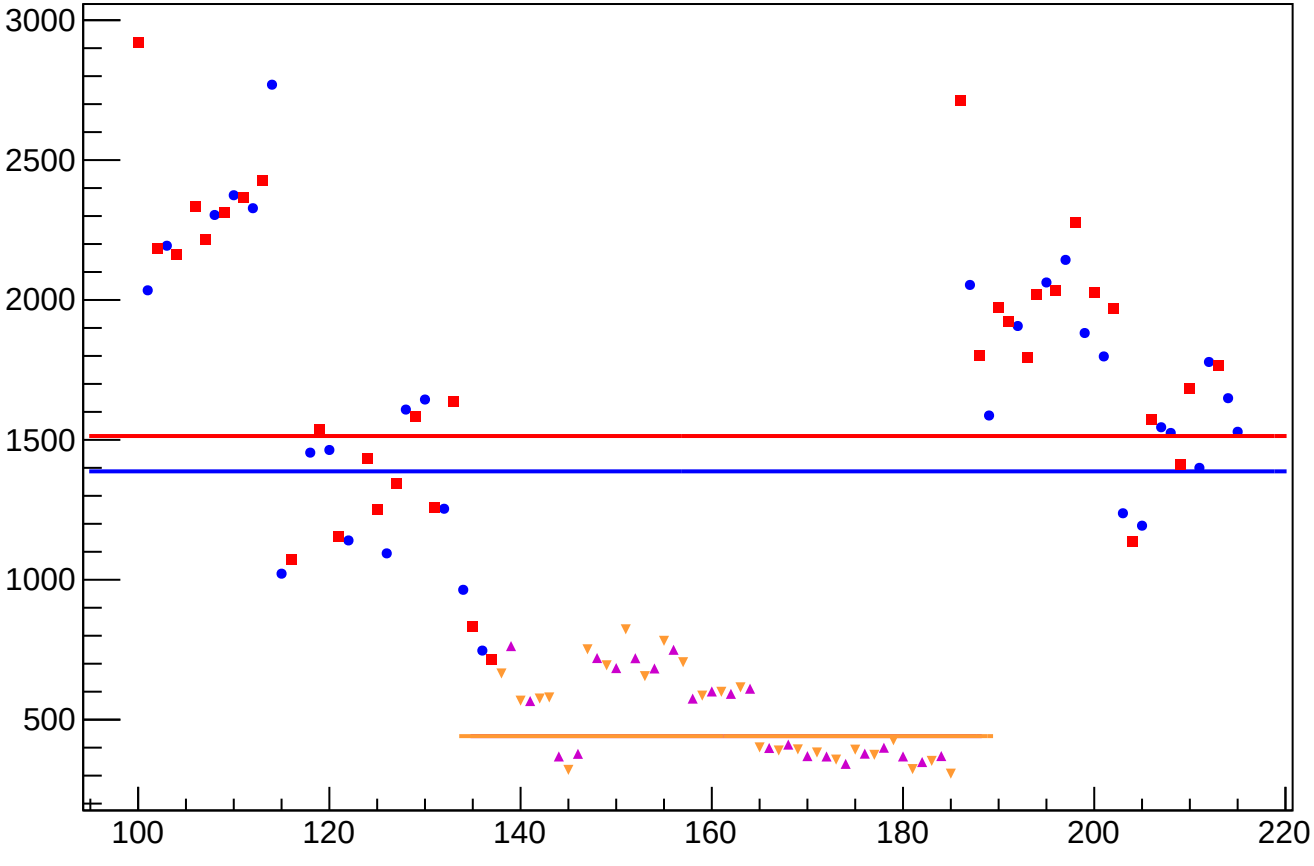
Right: -351.219+/-245.892 χ^2/NDF: 82.7/64

In: -116.875+/-102.435 χ^2/NDF:83.3/53

Out: -202.112+/-101.117 χ^2/NDF:90.3/58

All: -160.045+/-71.962 χ^2/NDF: 174.0/112

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1387.481+/-0.235 χ^2/NDF: 3433558.9/30

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1513.754+/-0.258 χ^2/NDF: 3356669.4/33

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

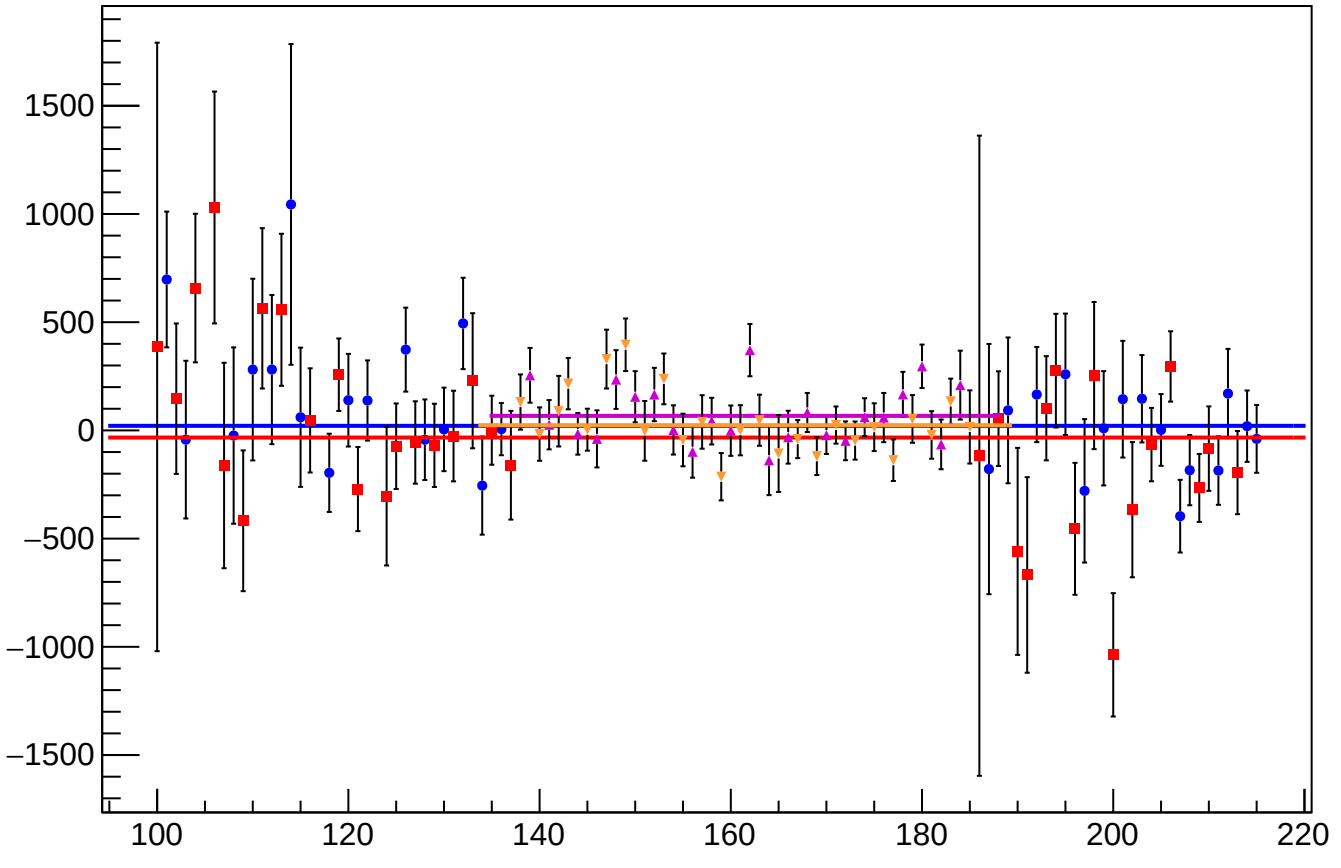
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1444.730+/-0.174 χ^2/NDF: 6920938.6/64

In: 530.964+/-0.072 χ^2/NDF:20770594.2/53

Out: 523.366+/-0.072 χ^2/NDF:22522841.4/58

All: 527.116+/-0.051 χ^2/NDF: 43299008.0/11



Right In: 21.117+/-38.305 χ^2/NDF: 32.5/30

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -32.985+/-41.578 χ^2/NDF: 50.0/33

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

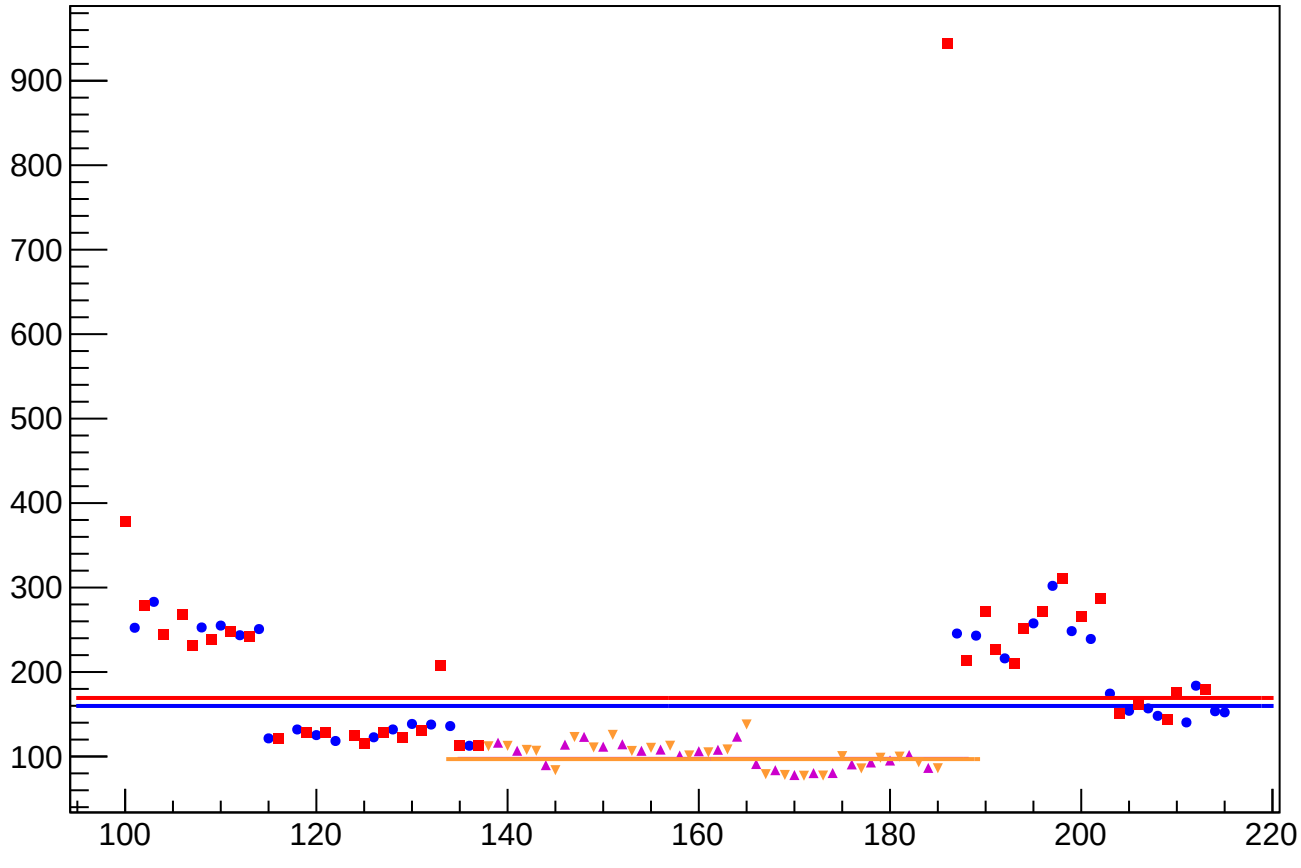
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: -3.721+/-28.172 χ^2/NDF: 83.4/64

In: 54.810+/-19.795 χ^2/NDF:62.2/53

Out: 11.070+/-19.730 χ^2/NDF:86.6/58

All: 32.869+/-13.974 χ^2/NDF: 151.3/112



Right In: 159.823+/-0.027 χ^2/NDF: 2873379.0/30

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 169.280+/-0.029 χ^2/NDF: 4016459.5/33

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

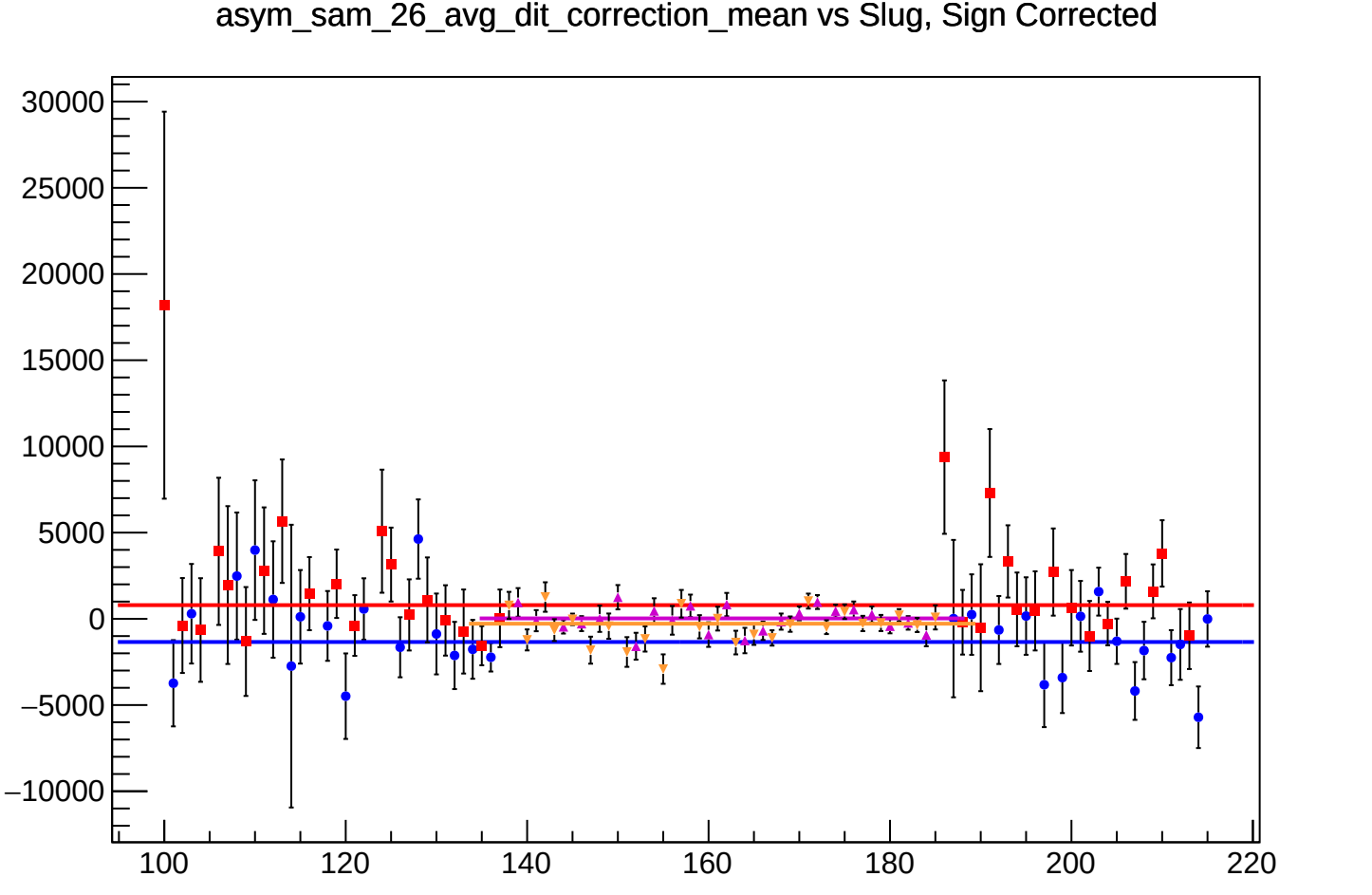
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 164.165+/-0.020 χ^2/NDF: 6945808.0/64

In: 113.899+/-0.014 χ^2/NDF:7470030.7/53

Out: 113.204+/-0.014 χ^2/NDF:9645655.4/58

All: 113.550+/-0.010 χ^2/NDF: 17116924.2/11



Right In: -1343.593+/-340.765 χ^2/NDF: 34.1/30

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 794.685+/-368.969 χ^2/NDF: 29.9/33

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

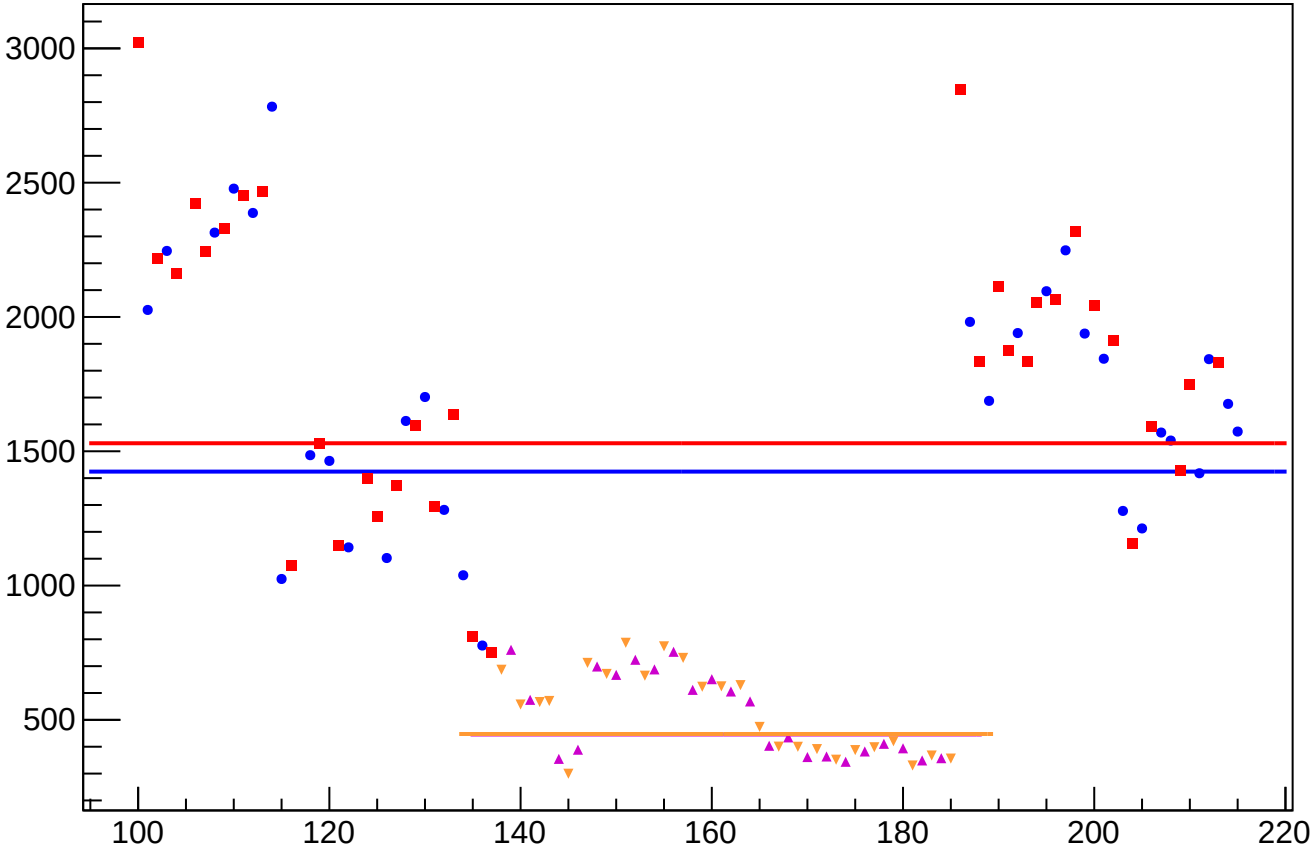
Right: -359.293+/-250.335 χ^2/NDF: 82.1/64

In: -102.125+/-103.718 χ^2/NDF:81.7/53

Out: -199.738+/-102.229 χ^2/NDF:88.2/58

All: -151.637+/-72.807 χ^2/NDF: 170.3/112

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1424.304+/-0.241 χ^2/NDF: 3333755.1/30

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1529.861+/-0.261 χ^2/NDF: 3479065.1/33

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

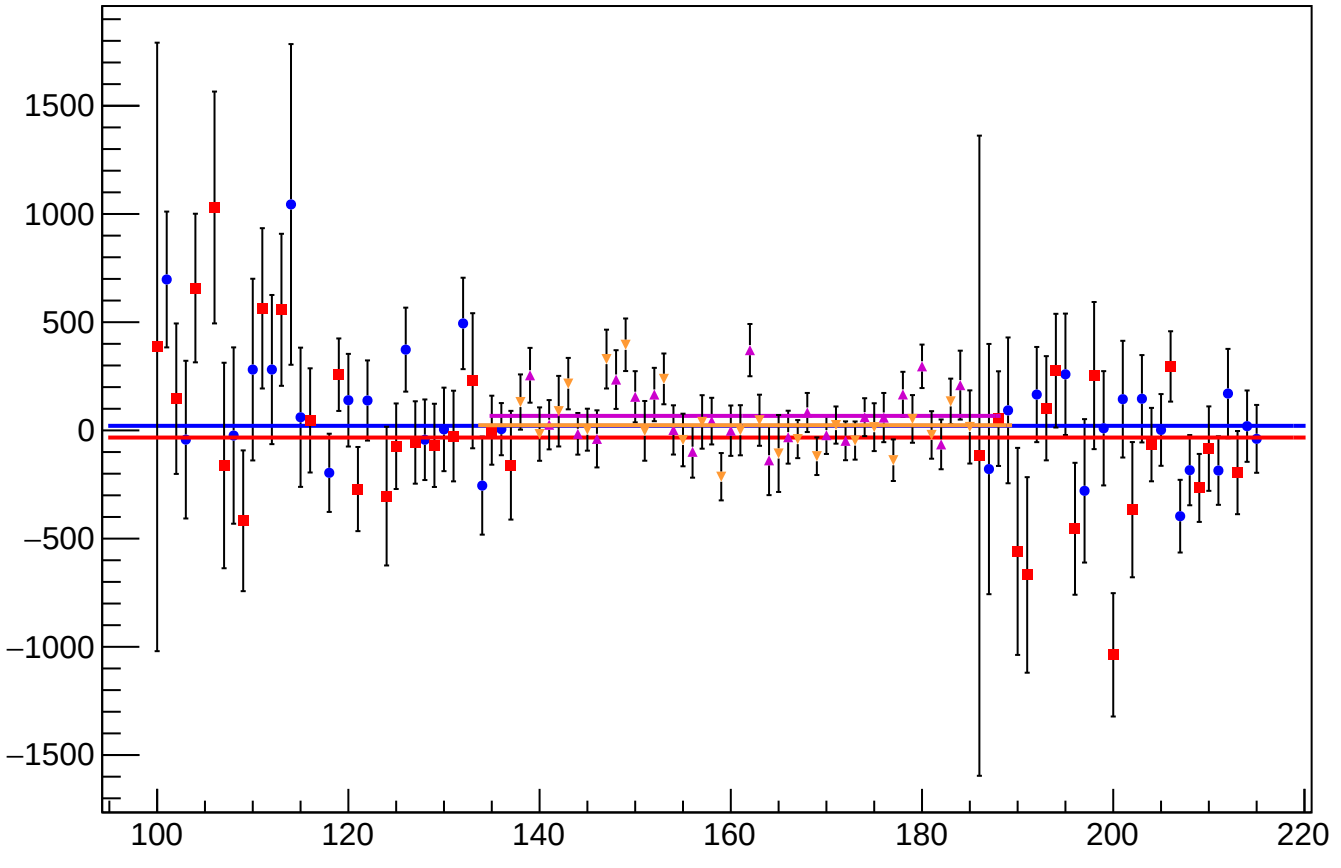
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1472.894+/-0.177 χ^2/NDF: 6901160.0/64

In: 536.168+/-0.073 χ^2/NDF:21019692.2/53

Out: 530.483+/-0.072 χ^2/NDF:22569512.3/58

All: 533.284+/-0.051 χ^2/NDF: 43592252.3/11



Right In: 21.120+/-38.305 χ^2/NDF: 32.5/30

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -32.984+/-41.578 χ^2/NDF: 50.0/33

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

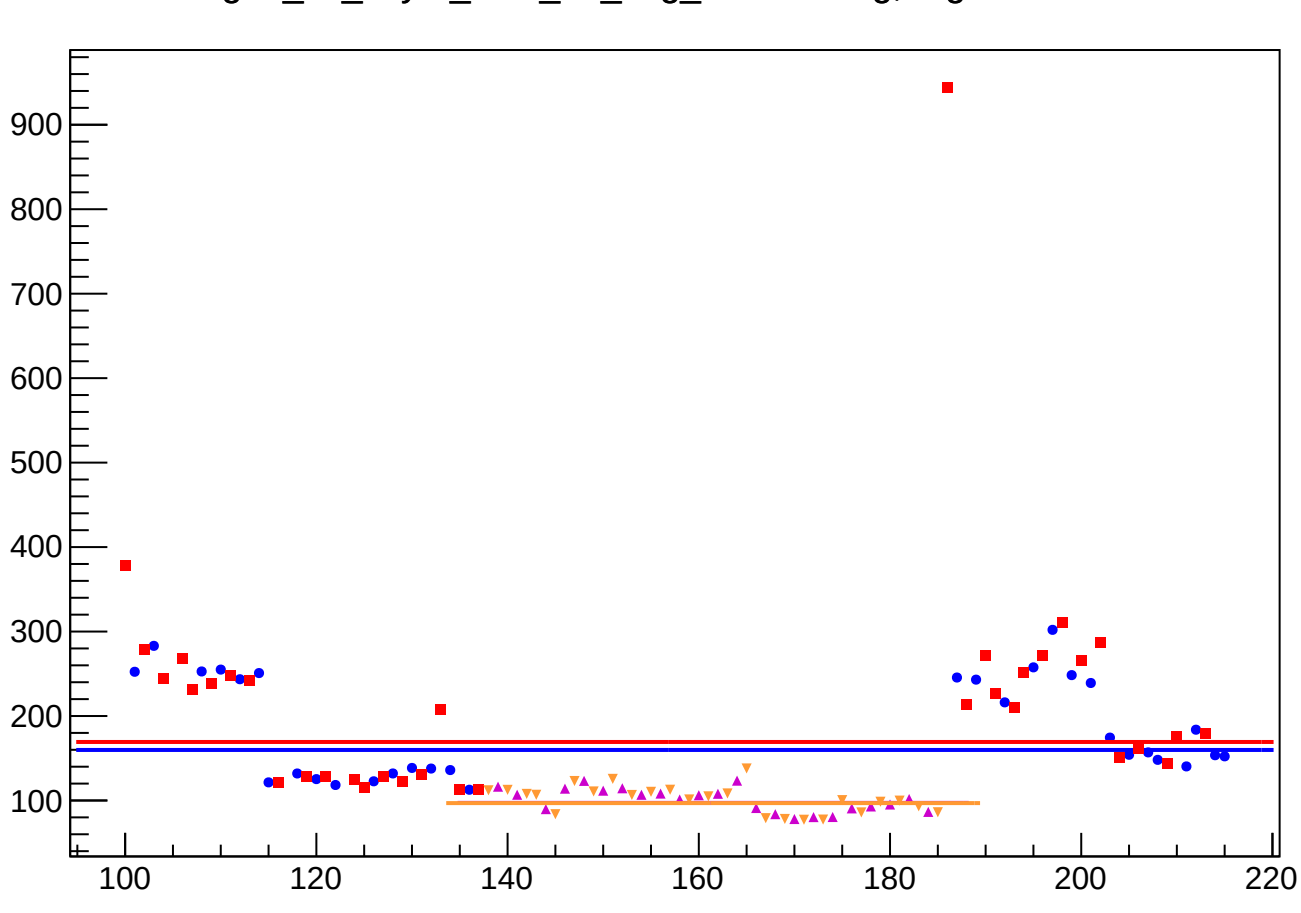
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: -3.719+/-28.172 χ^2/NDF: 83.4/64

In: 54.811+/-19.795 χ^2/NDF:62.2/53

Out: 11.069+/-19.730 χ^2/NDF:86.6/58

All: 32.868+/-13.974 χ^2/NDF: 151.3/112



Right In: 159.822+/-0.027 χ^2/NDF: 2873389.7/30

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 169.280+/-0.029 χ^2/NDF: 4016460.4/33

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

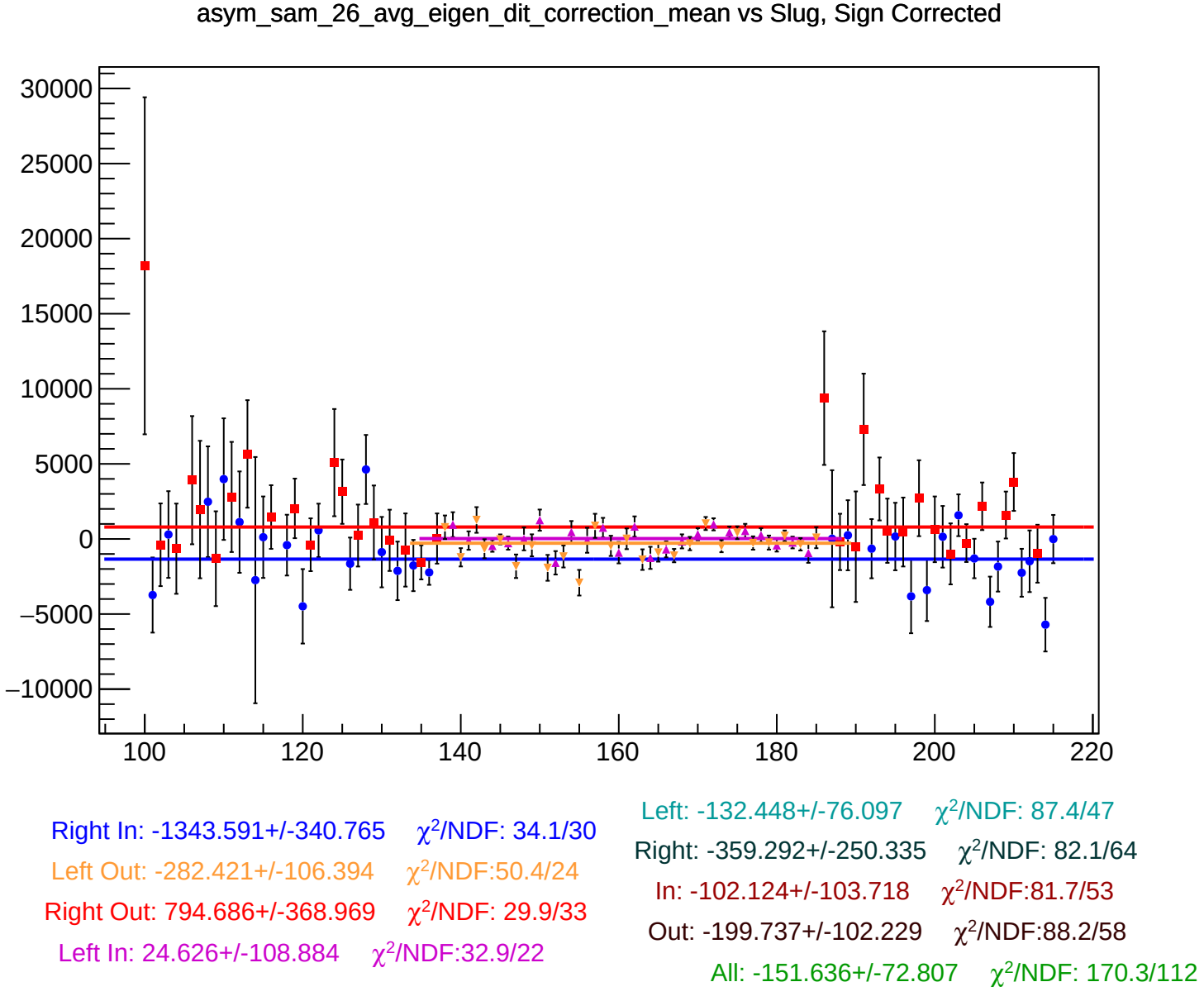
Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

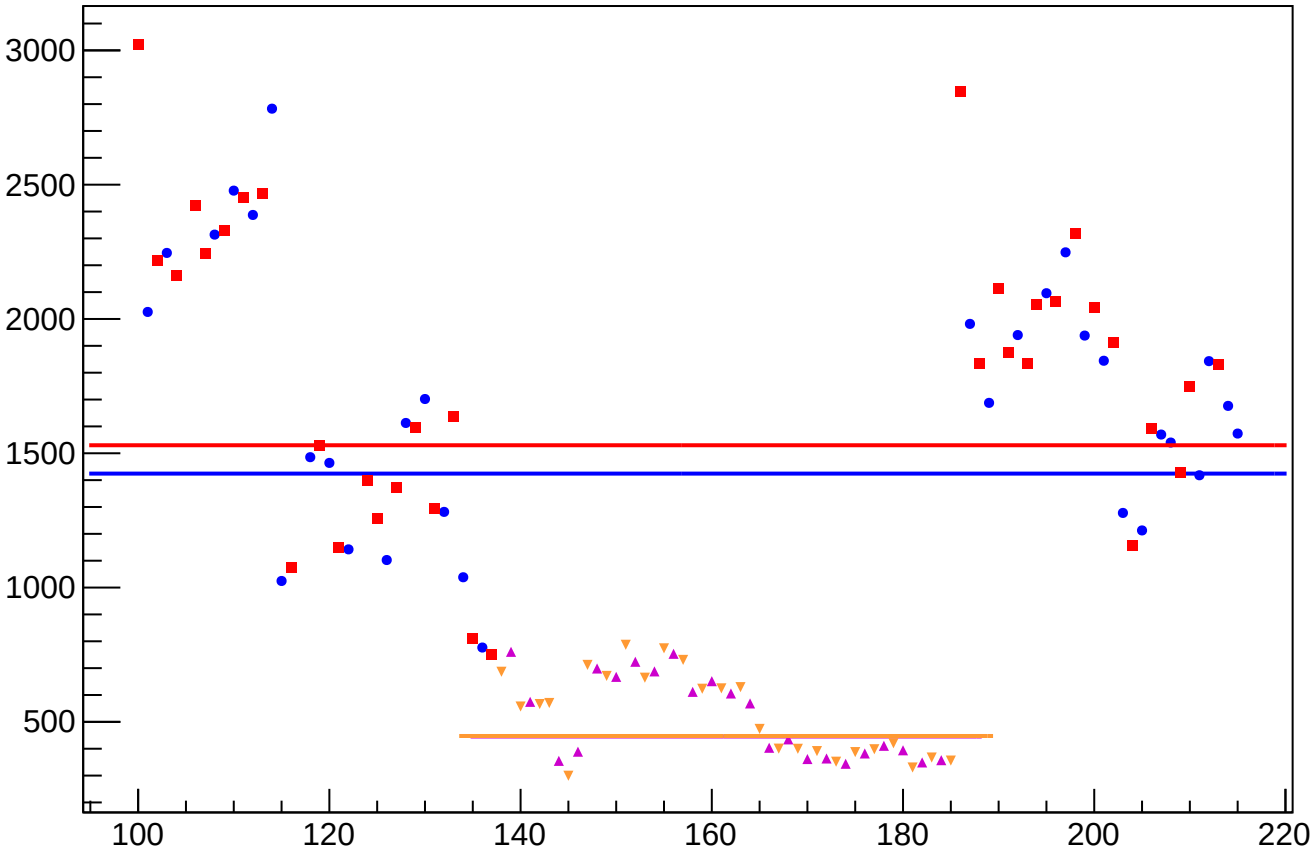
Right: 164.164+/-0.020 χ^2/NDF: 6945822.2/64

In: 113.899+/-0.014 χ^2/NDF:7469940.3/53

Out: 113.204+/-0.014 χ^2/NDF:9645595.4/58

All: 113.550+/-0.010 χ^2/NDF: 17116774.0/11


asym_sam_26_avg_eigen_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: -1343.591+/-340.765 χ²/NDF: 34.1/30
Left Out: -282.421+/-106.394 χ²/NDF:50.4/24
Right Out: 794.686+/-368.969 χ²/NDF: 29.9/33
Left In: 24.626+/-108.884 χ²/NDF:32.9/22
Left: -132.448+/-76.097 χ²/NDF: 87.4/47
Right: -359.292+/-250.335 χ²/NDF: 82.1/64
In: -102.124+/-103.718 χ²/NDF:81.7/53
Out: -199.737+/-102.229 χ²/NDF:88.2/58
All: -151.636+/-72.807 χ²/NDF: 170.3/112



Right In: 1424.304+/-0.241 χ^2/NDF: 3333735.4/30

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1529.861+/-0.261 χ^2/NDF: 3479047.2/33

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

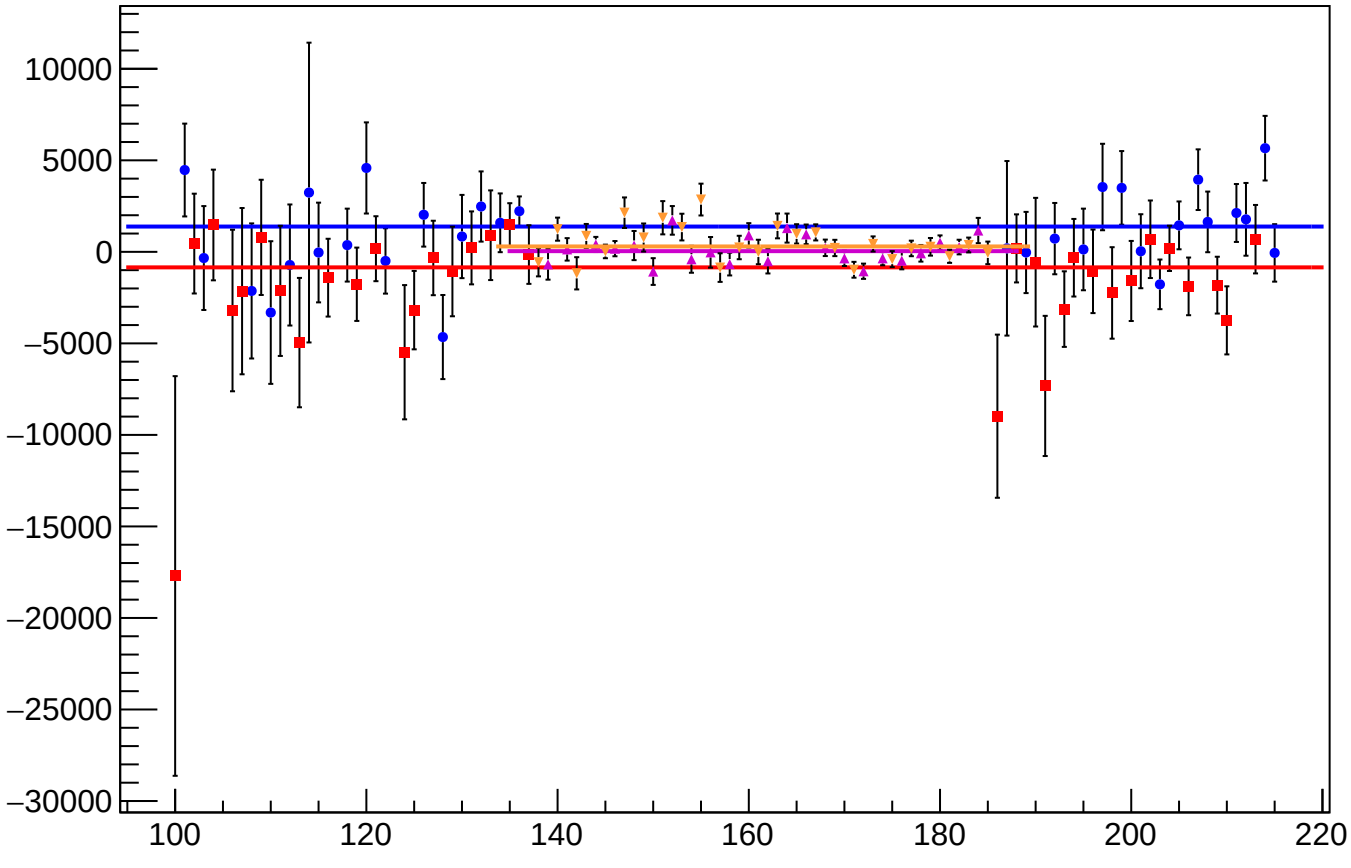
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1472.894+/-0.177 χ^2/NDF: 6901122.6/64

In: 536.167+/-0.073 χ^2/NDF:21019704.6/53

Out: 530.482+/-0.072 χ^2/NDF:22569543.2/58

All: 533.284+/-0.051 χ^2/NDF: 43592295.7/11



Right In: 1381.844+/-334.712 χ^2/NDF: 34.6/30

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -848.068+/-367.293 χ^2/NDF: 27.1/33

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

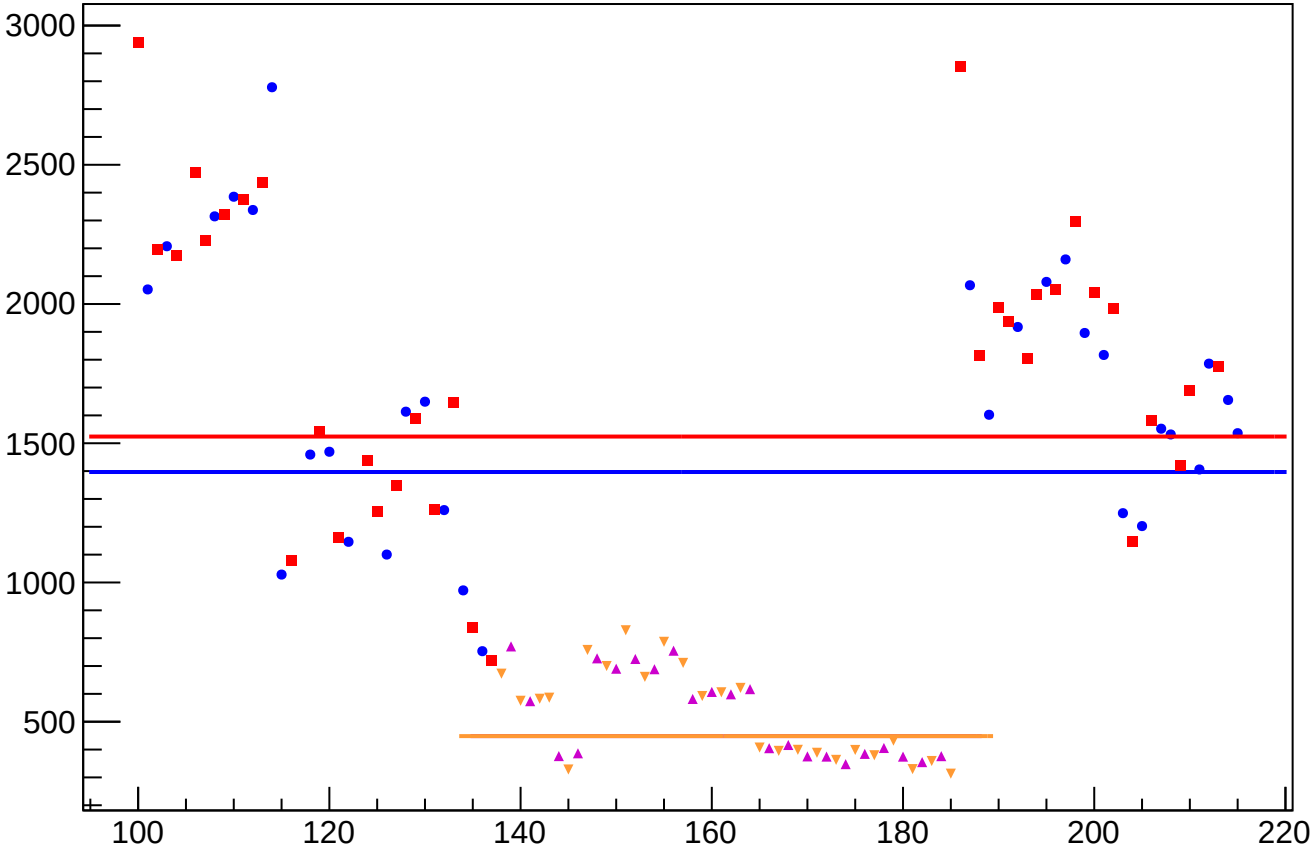
Right: 370.158+/-247.395 χ^2/NDF: 81.8/64

In: 167.621+/-103.914 χ^2/NDF:82.1/53

Out: 205.878+/-102.561 χ^2/NDF:86.5/58

All: 187.000+/-72.995 χ^2/NDF: 168.7/112

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1396.724+/-0.237 χ^2/NDF: 3417774.4/30

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1524.045+/-0.260 χ^2/NDF: 3403348.8/33

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

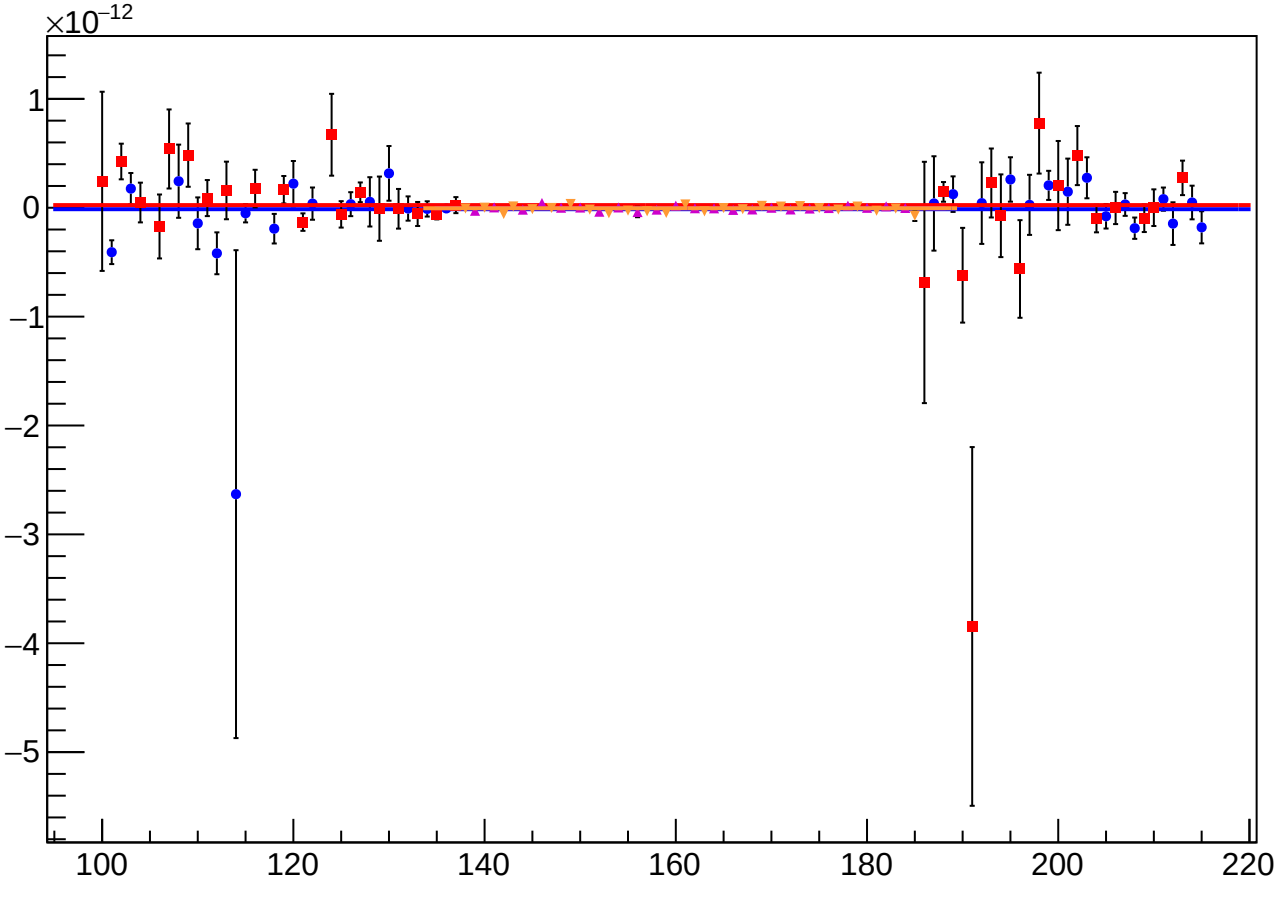
Right: 1454.488+/-0.175 χ^2/NDF: 6952416.6/64

In: 539.800+/-0.073 χ^2/NDF:20545865.9/53

Out: 532.158+/-0.073 χ^2/NDF:22379481.3/58

All: 535.929+/-0.052 χ^2/NDF: 42930826.5/1

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.9/33

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

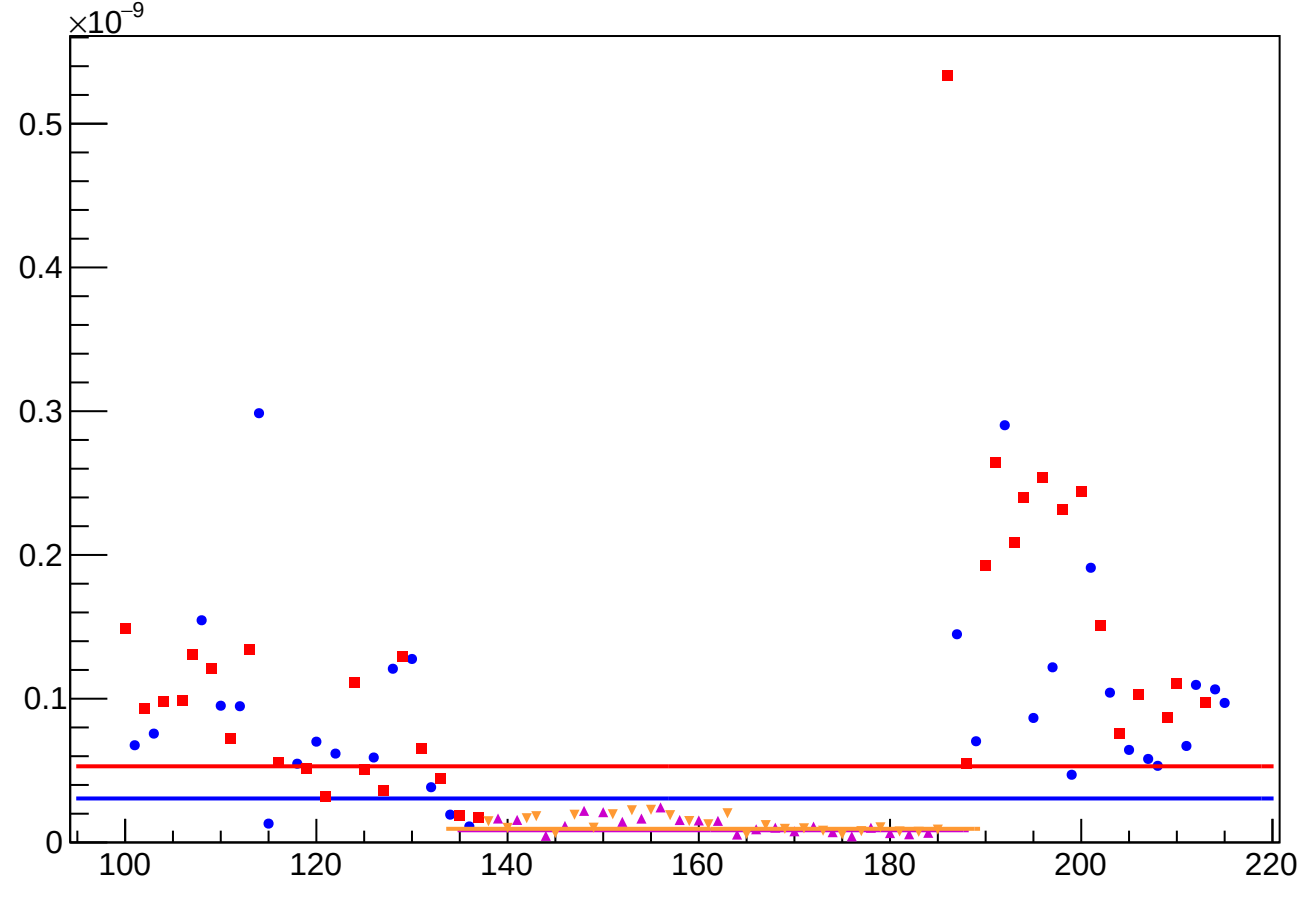
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 90.6/64

In: -0.000+/-0.000 χ^2/NDF:58.1/53

Out: -0.000+/-0.000 χ^2/NDF:72.5/58

All: -0.000+/-0.000 χ^2/NDF: 130.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 8320180.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6395403.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

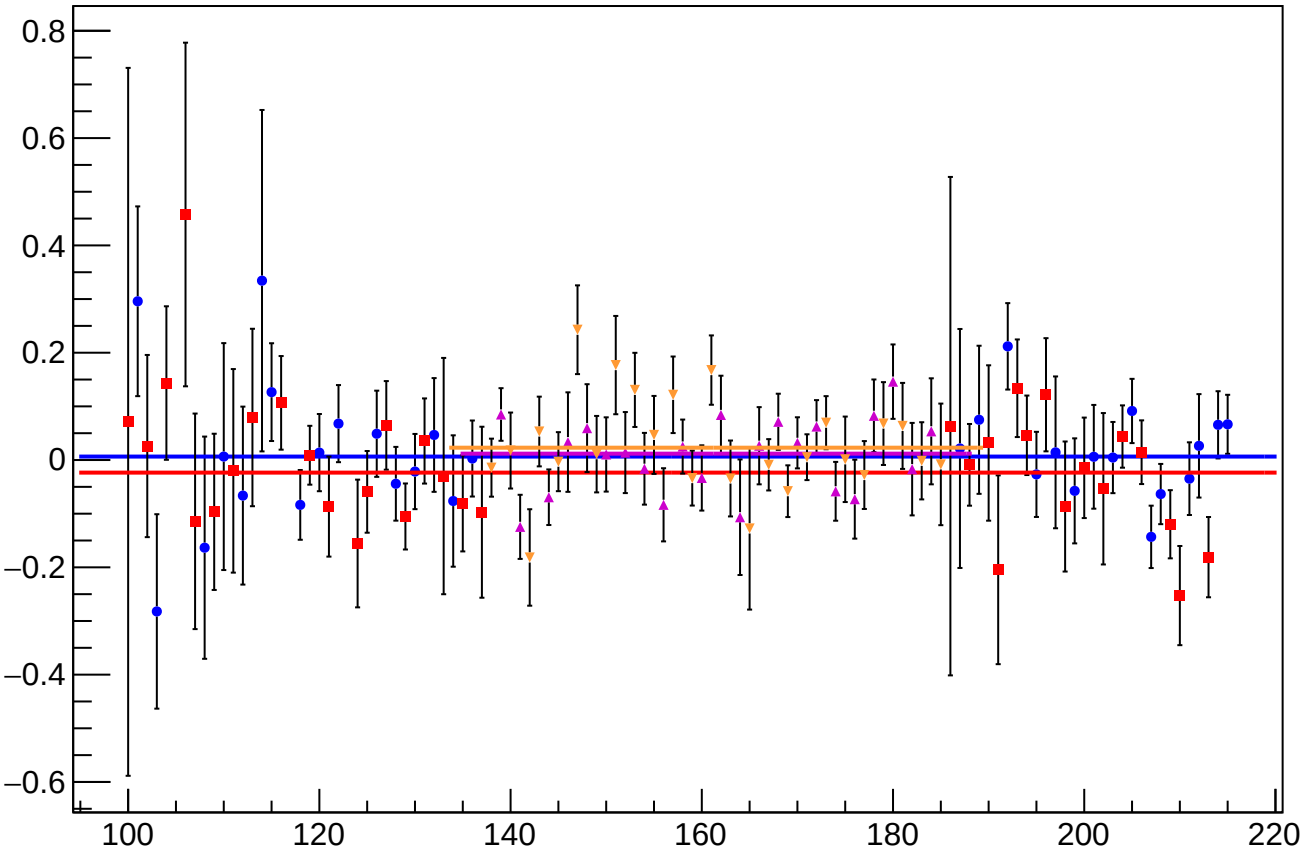
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15910116.3/64

In: 0.000+/-0.000 χ^2/NDF:14598088.3/53

Out: 0.000+/-0.000 χ^2/NDF:15209049.6/58

All: 0.000+/-0.000 χ^2/NDF: 29876614.4/112



Right In: 0.006+/-0.015 χ^2/NDF: 33.2/30

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.023+/-0.016 χ^2/NDF: 35.1/33

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

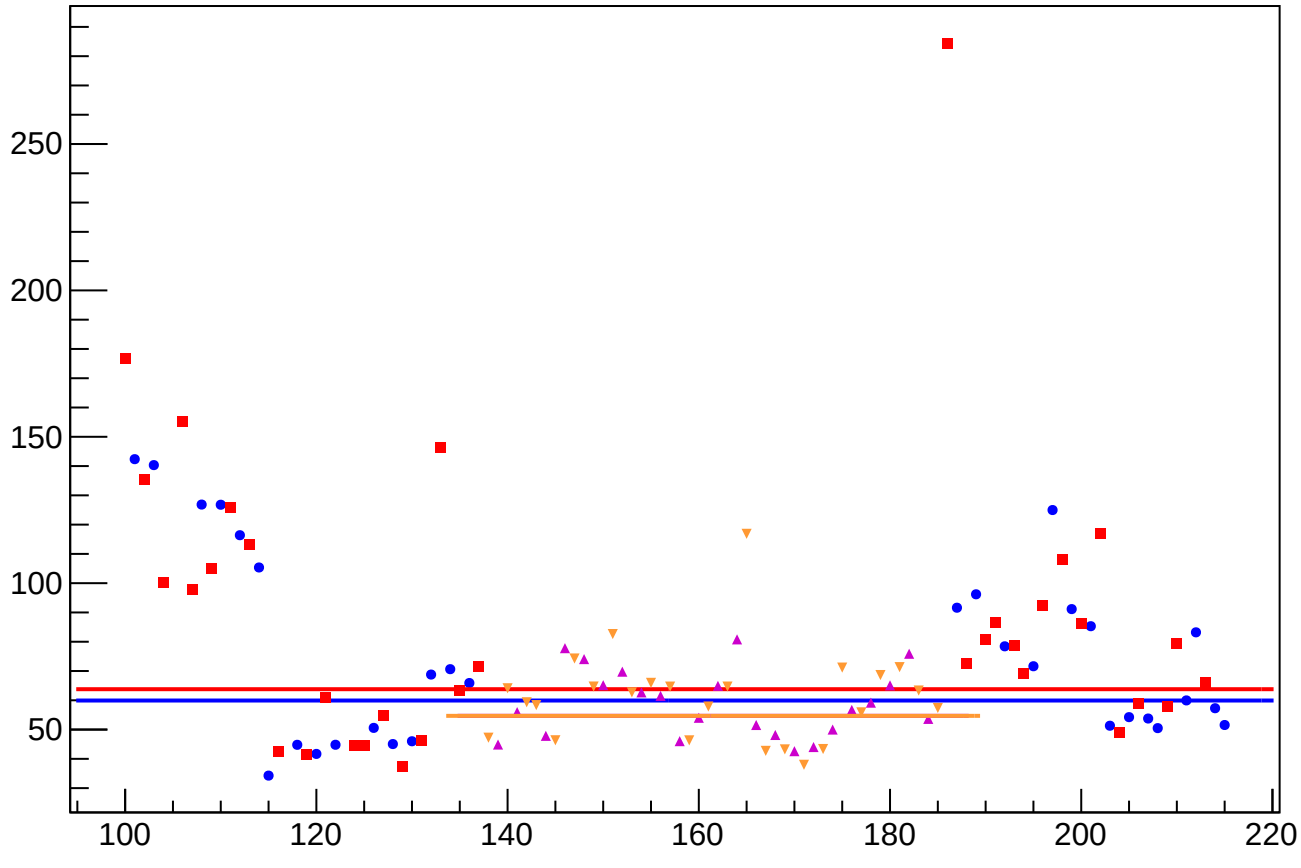
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.007+/-0.011 χ^2/NDF: 70.2/64

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.007+/-0.007 χ^2/NDF: 133.6/112



Right In: 59.921+/-0.011 χ^2/NDF: 3626108.8/30

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.789+/-0.011 χ^2/NDF: 4368401.8/33

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

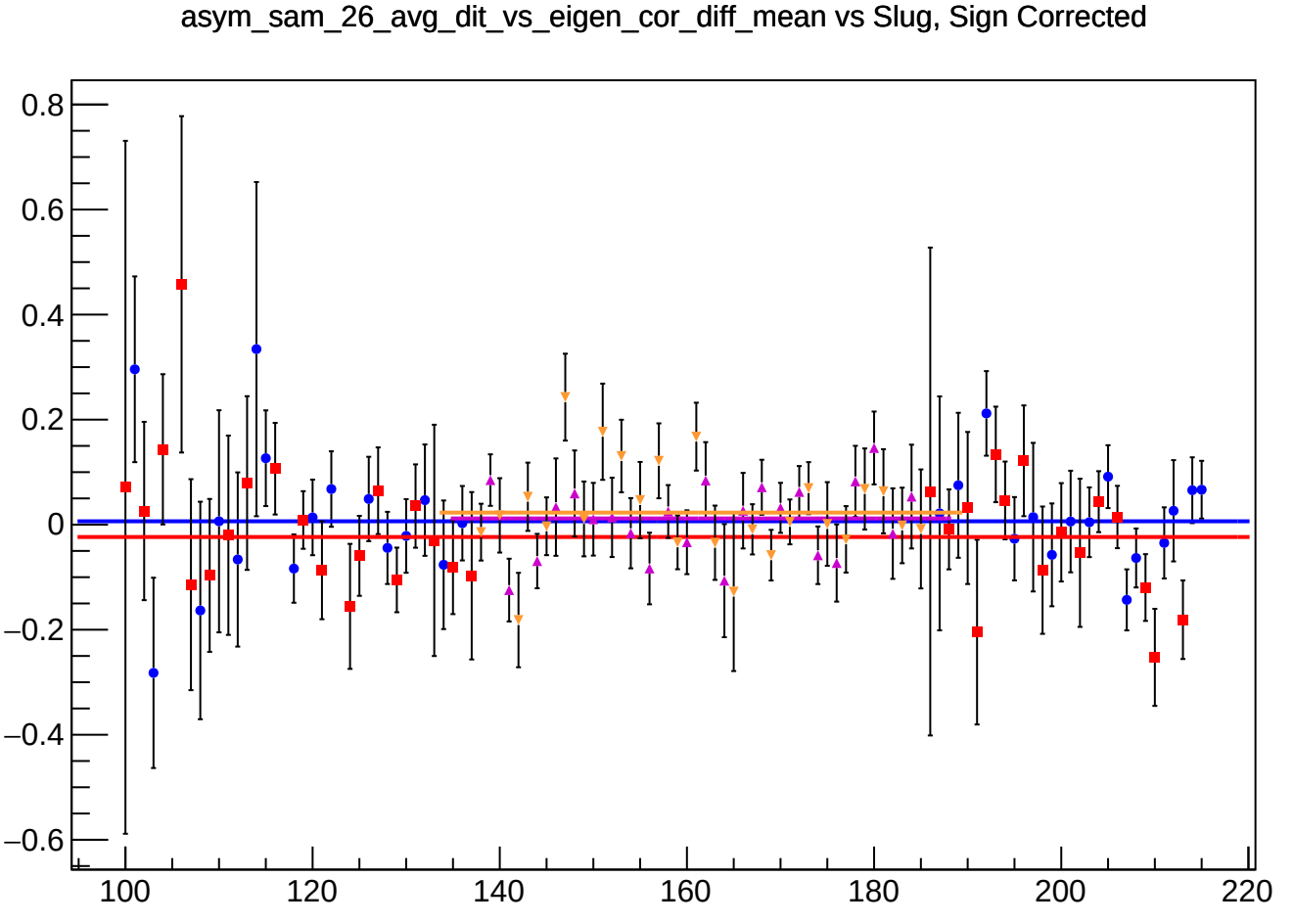
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 61.696+/-0.008 χ^2/NDF: 8056280.5/64

In: 57.000+/-0.007 χ^2/NDF:4954541.1/53

Out: 58.231+/-0.007 χ^2/NDF:6690986.6/58

All: 57.603+/-0.005 χ^2/NDF: 11660663.1/112



Right In: 0.006+/-0.015 χ^2/NDF: 33.2/30

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.023+/-0.016 χ^2/NDF: 35.1/33

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

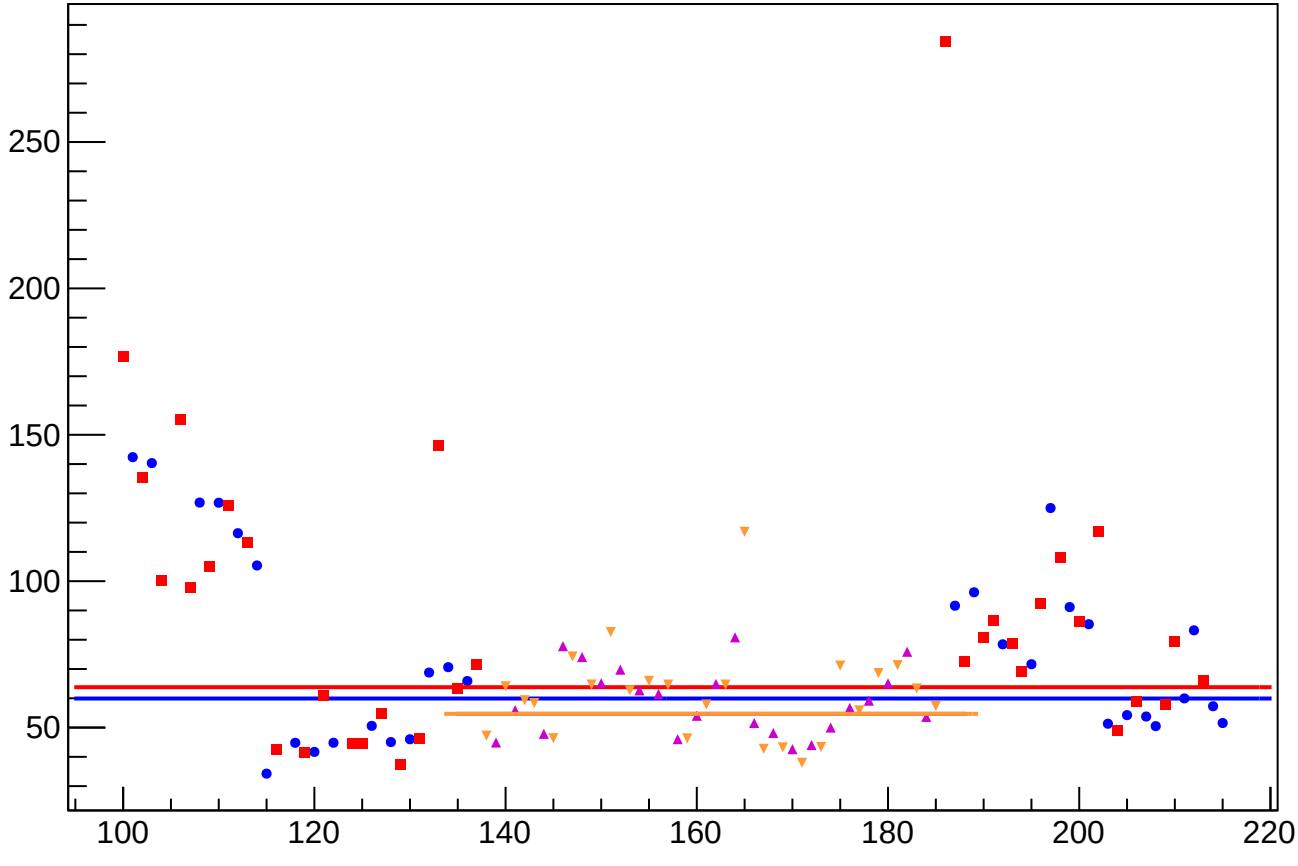
Right: -0.007+/-0.011 χ^2/NDF: 70.2/64

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.007+/-0.007 χ^2/NDF: 133.6/112

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.921+/-0.011 χ^2/NDF: 3626108.8/30

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.789+/-0.011 χ^2/NDF: 4368401.8/33

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

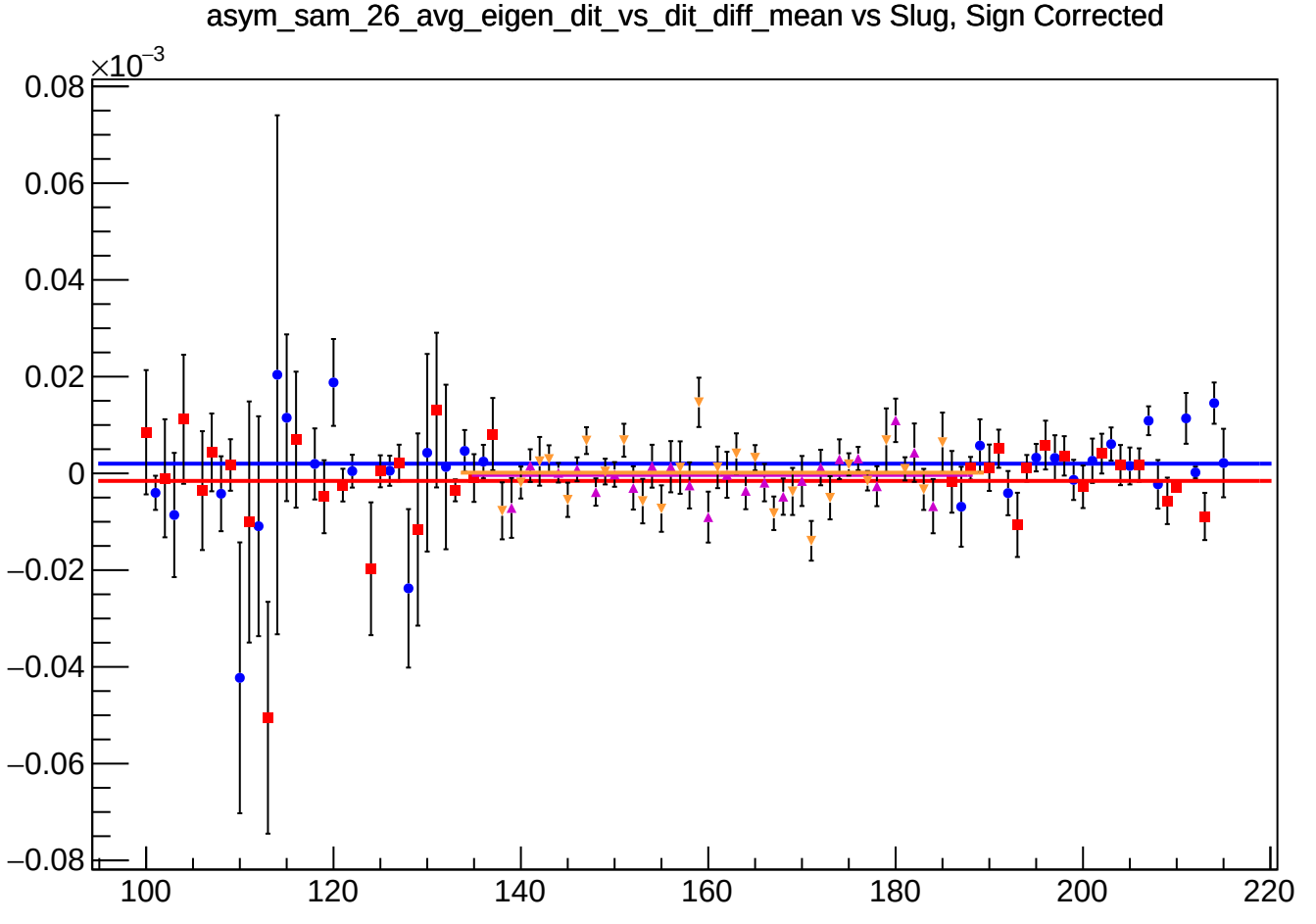
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 61.696+/-0.008 χ^2/NDF: 8056280.5/64

In: 57.000+/-0.007 χ^2/NDF:4954541.1/53

Out: 58.231+/-0.007 χ^2/NDF:6690986.6/58

All: 57.603+/-0.005 χ^2/NDF: 11660663.1/112



Right In: 0.000+/-0.000 χ^2/NDF: 43.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.4/33

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

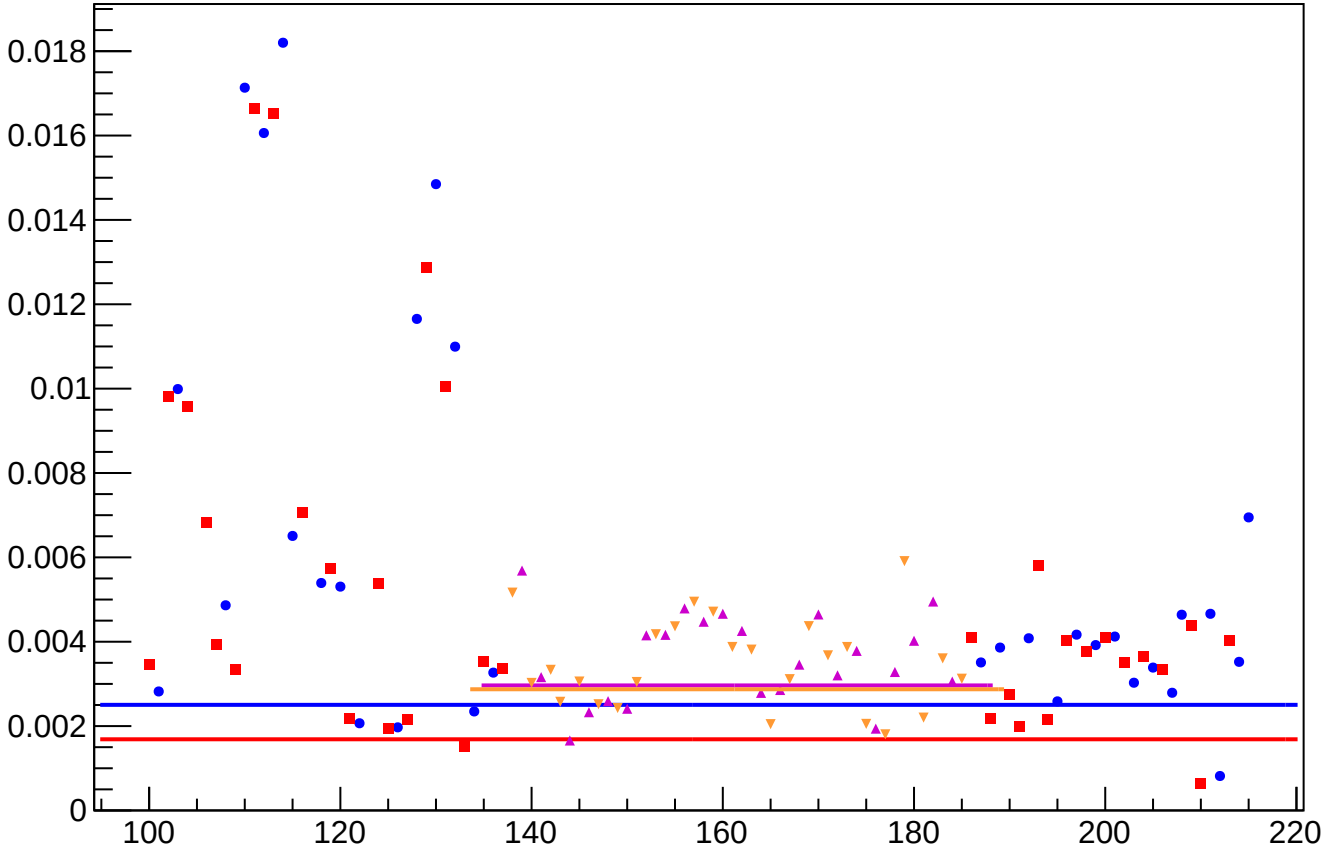
Right: -0.000+/-0.000 χ^2/NDF: 93.7/64

In: 0.000+/-0.000 χ^2/NDF:69.3/53

Out: -0.000+/-0.000 χ^2/NDF:91.9/58

All: -0.000+/-0.000 χ^2/NDF: 168.4/112

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11724471.0/30

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 15759497.5/33

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

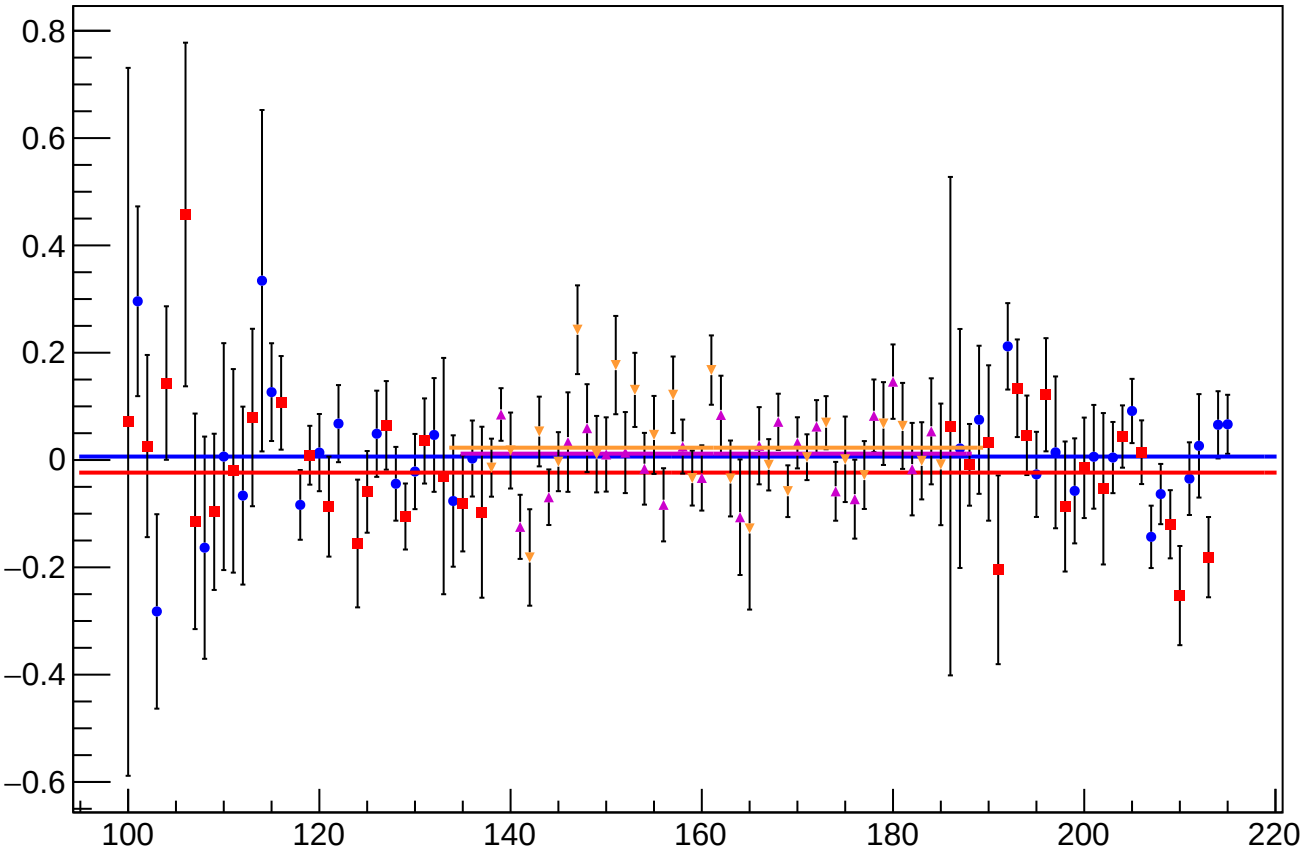
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.002+/-0.000 χ^2/NDF: 29126864.2/64

In: 0.003+/-0.000 χ^2/NDF:15737292.3/53

Out: 0.002+/-0.000 χ^2/NDF:22990578.7/58

All: 0.002+/-0.000 χ^2/NDF: 40231170.5/112



Right In: 0.006+/-0.015 χ^2/NDF: 33.2/30

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.023+/-0.016 χ^2/NDF: 35.1/33

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

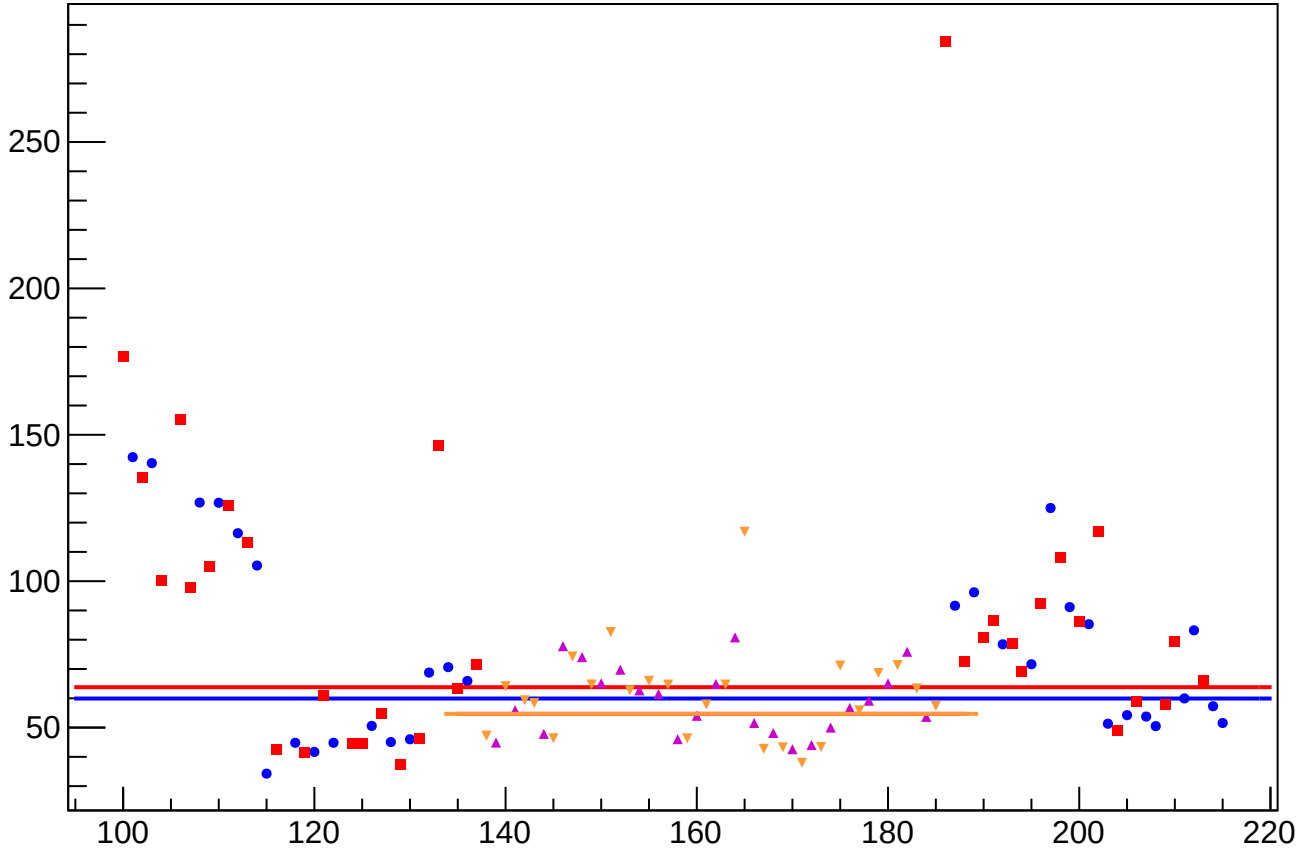
Right: -0.007+/-0.011 χ^2/NDF: 70.2/64

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.005+/-0.010 χ^2/NDF:74.3/58

All: 0.007+/-0.007 χ^2/NDF: 133.6/112

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.921+/-0.011 χ^2/NDF: 3626073.5/30

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.789+/-0.011 χ^2/NDF: 4368398.4/33

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

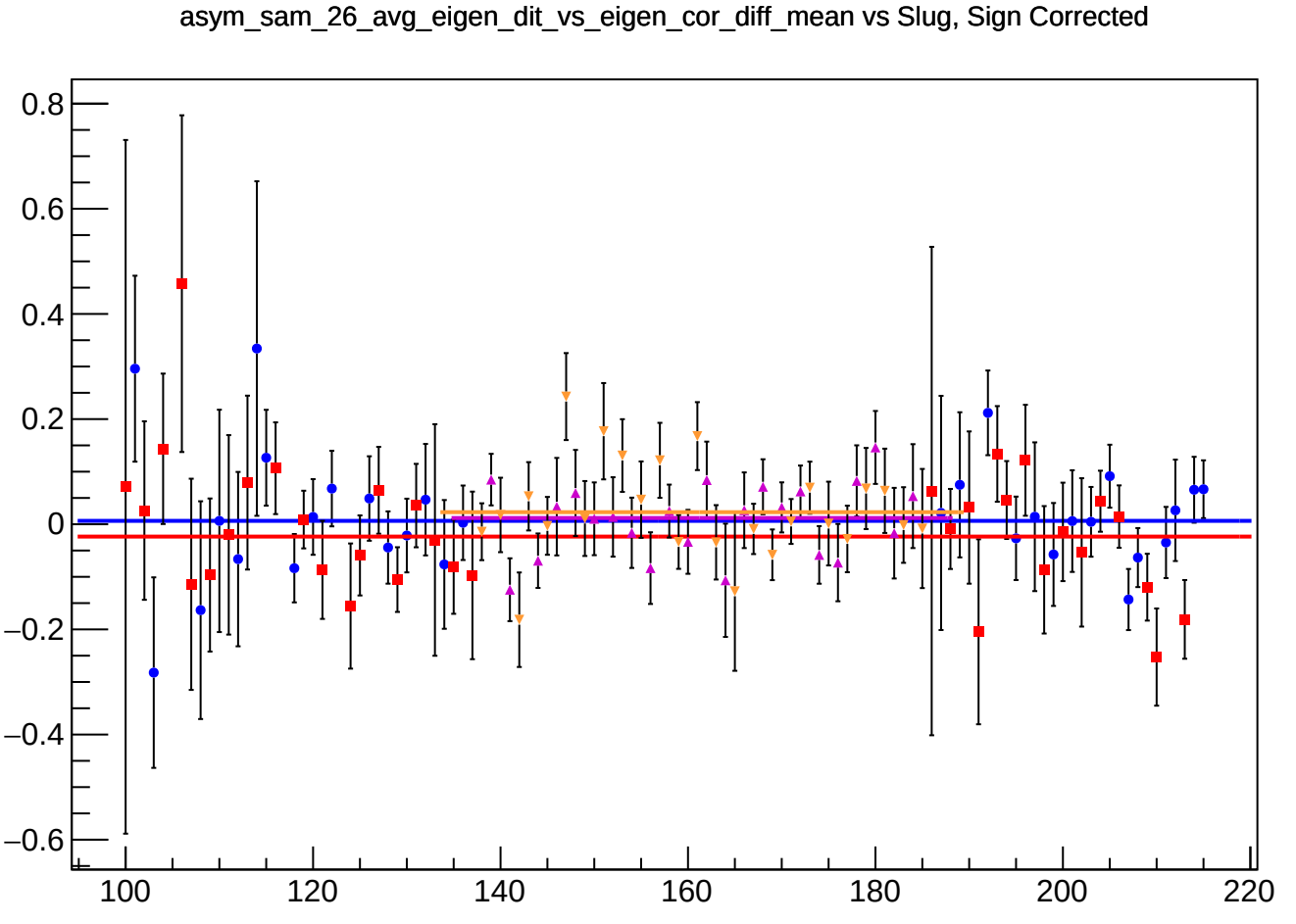
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 61.695+/-0.008 χ^2/NDF: 8056237.5/64

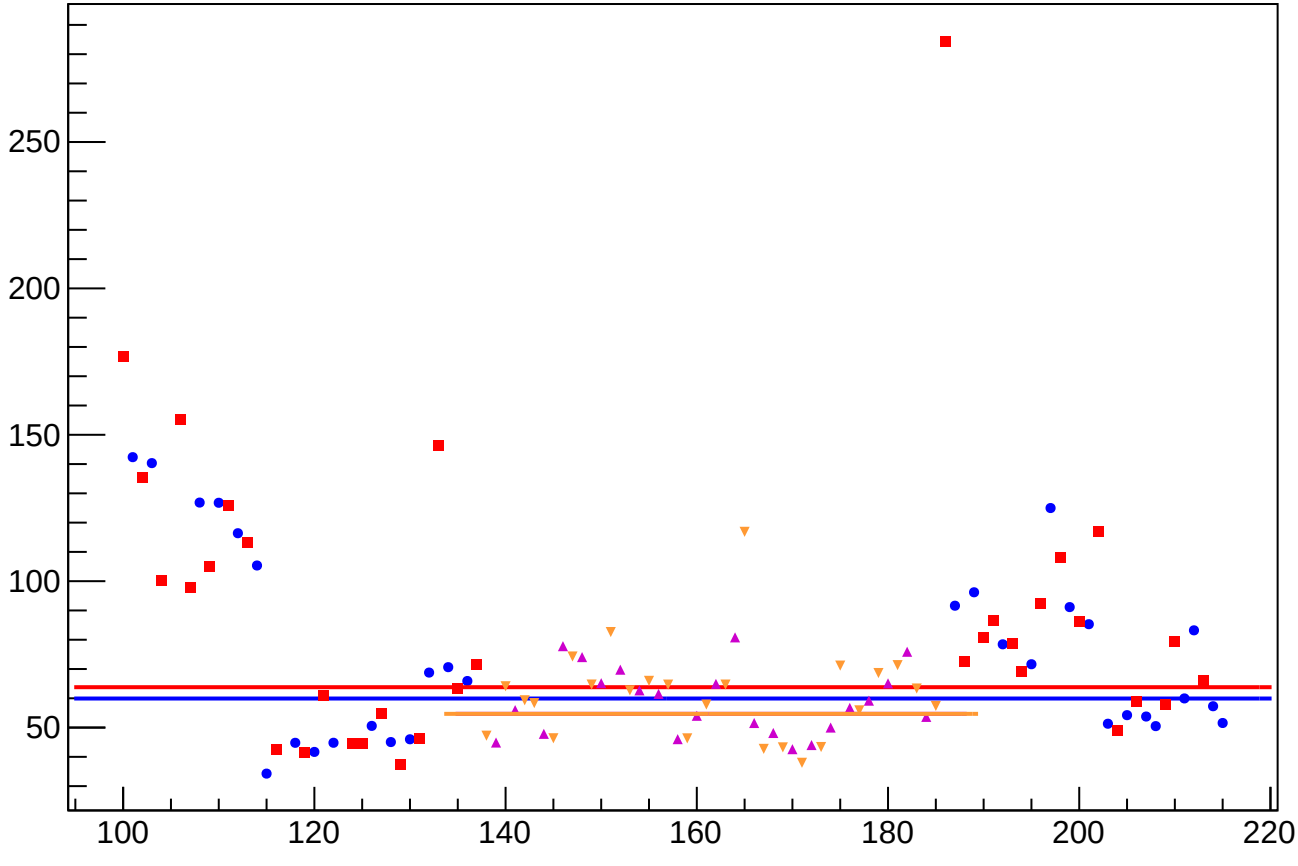
In: 57.000+/-0.007 χ^2/NDF:4954438.5/53

Out: 58.231+/-0.007 χ^2/NDF:6690920.2/58

All: 57.603+/-0.005 χ^2/NDF: 11660491.9/112


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: 0.006+/-0.015 χ²/NDF: 33.2/30
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.023+/-0.016 χ²/NDF: 35.1/33
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: -0.007+/-0.011 χ²/NDF: 70.2/64
In: 0.009+/-0.010 χ²/NDF:59.1/53
Out: 0.005+/-0.010 χ²/NDF:74.3/58
All: 0.007+/-0.007 χ²/NDF: 133.6/112

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.921+/-0.011 χ^2/NDF: 3626073.5/30

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.789+/-0.011 χ^2/NDF: 4368398.4/33

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

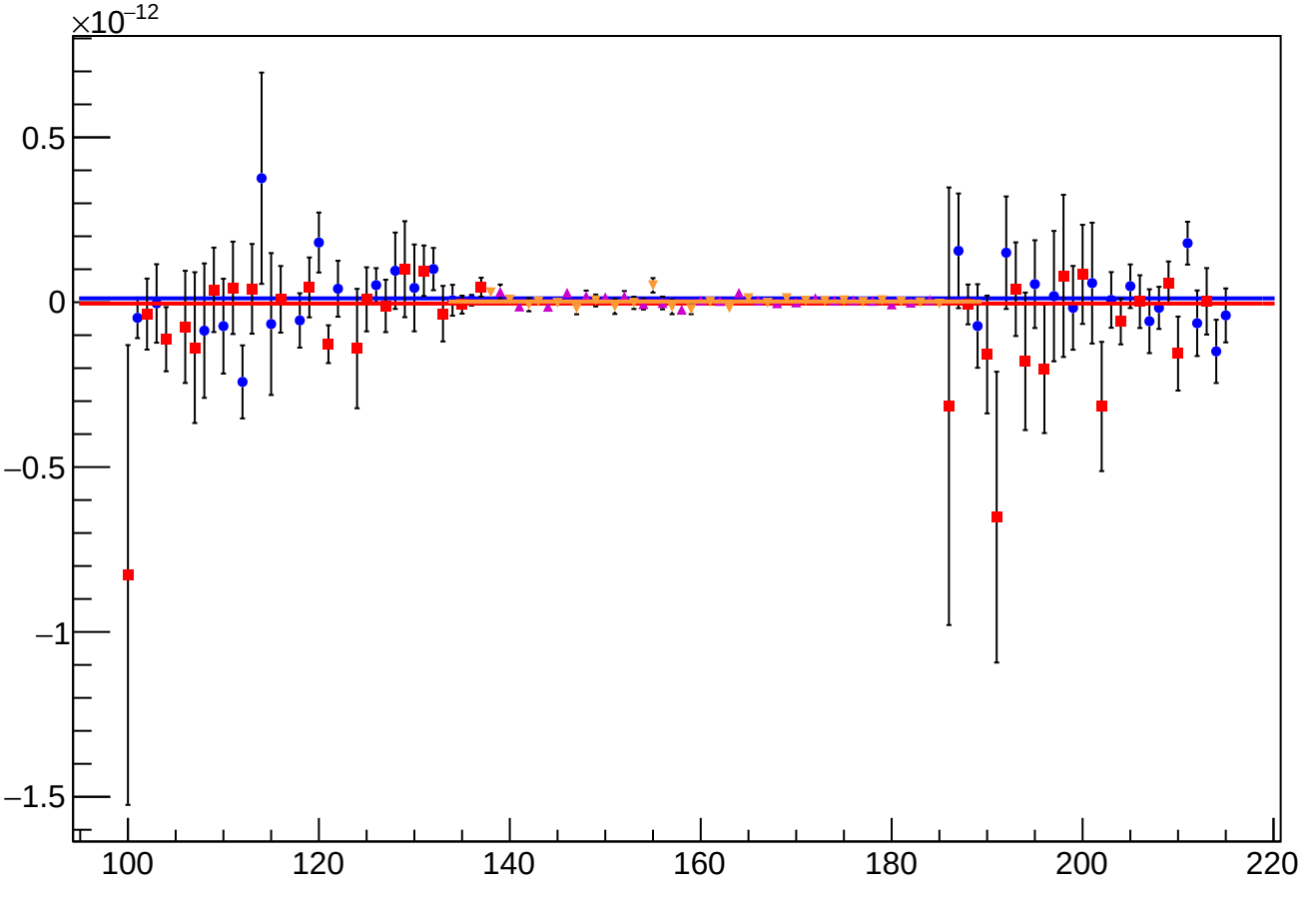
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 61.695+/-0.008 χ^2/NDF: 8056237.5/64

In: 57.000+/-0.007 χ^2/NDF:4954438.5/53

Out: 58.231+/-0.007 χ^2/NDF:6690920.2/58

All: 57.603+/-0.005 χ^2/NDF: 11660491.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/33

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

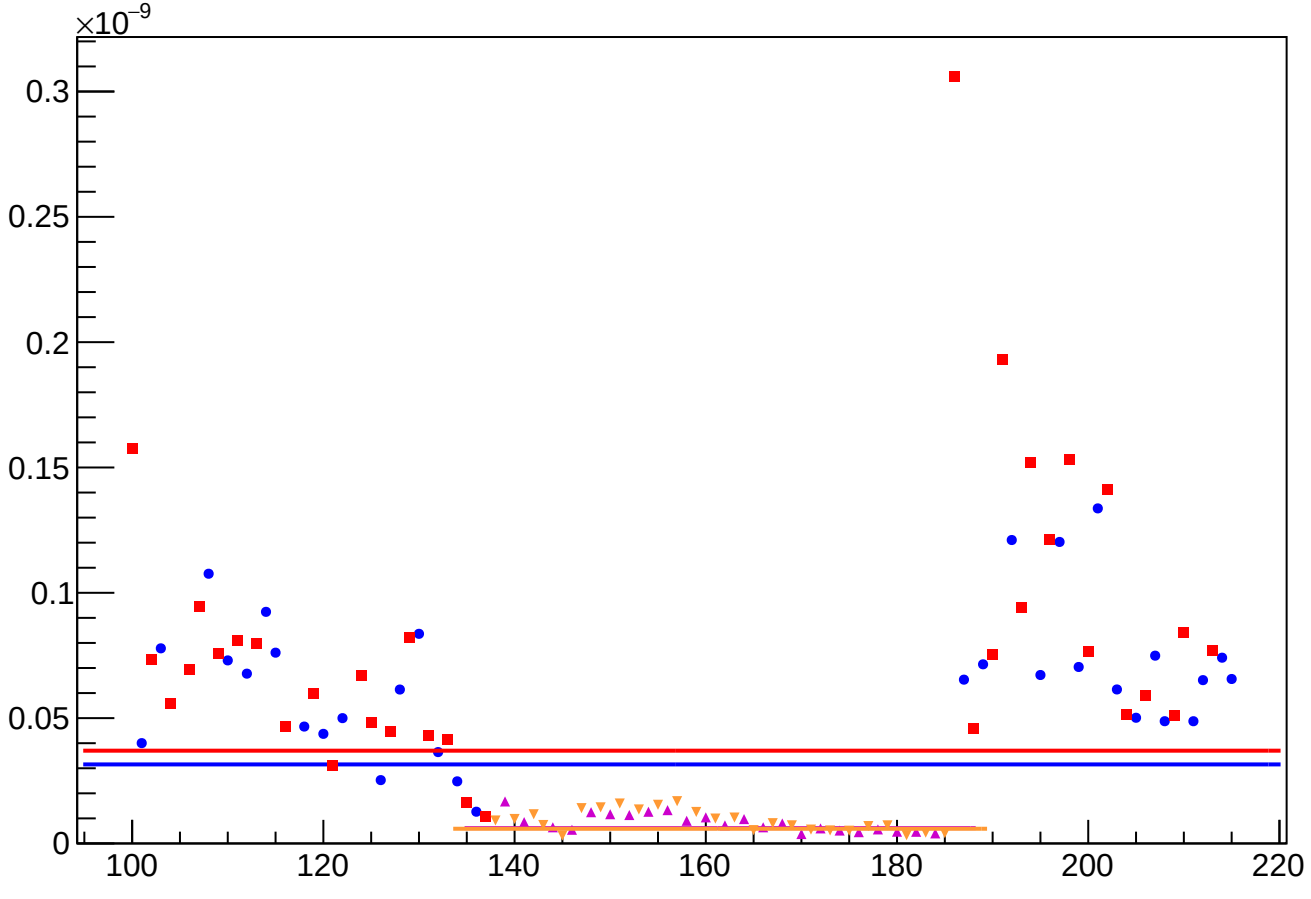
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 55.7/64

In: 0.000+/-0.000 χ^2/NDF:62.8/53

Out: 0.000+/-0.000 χ^2/NDF:46.7/58

All: 0.000+/-0.000 χ^2/NDF: 109.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 8850620.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8630550.0/33

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

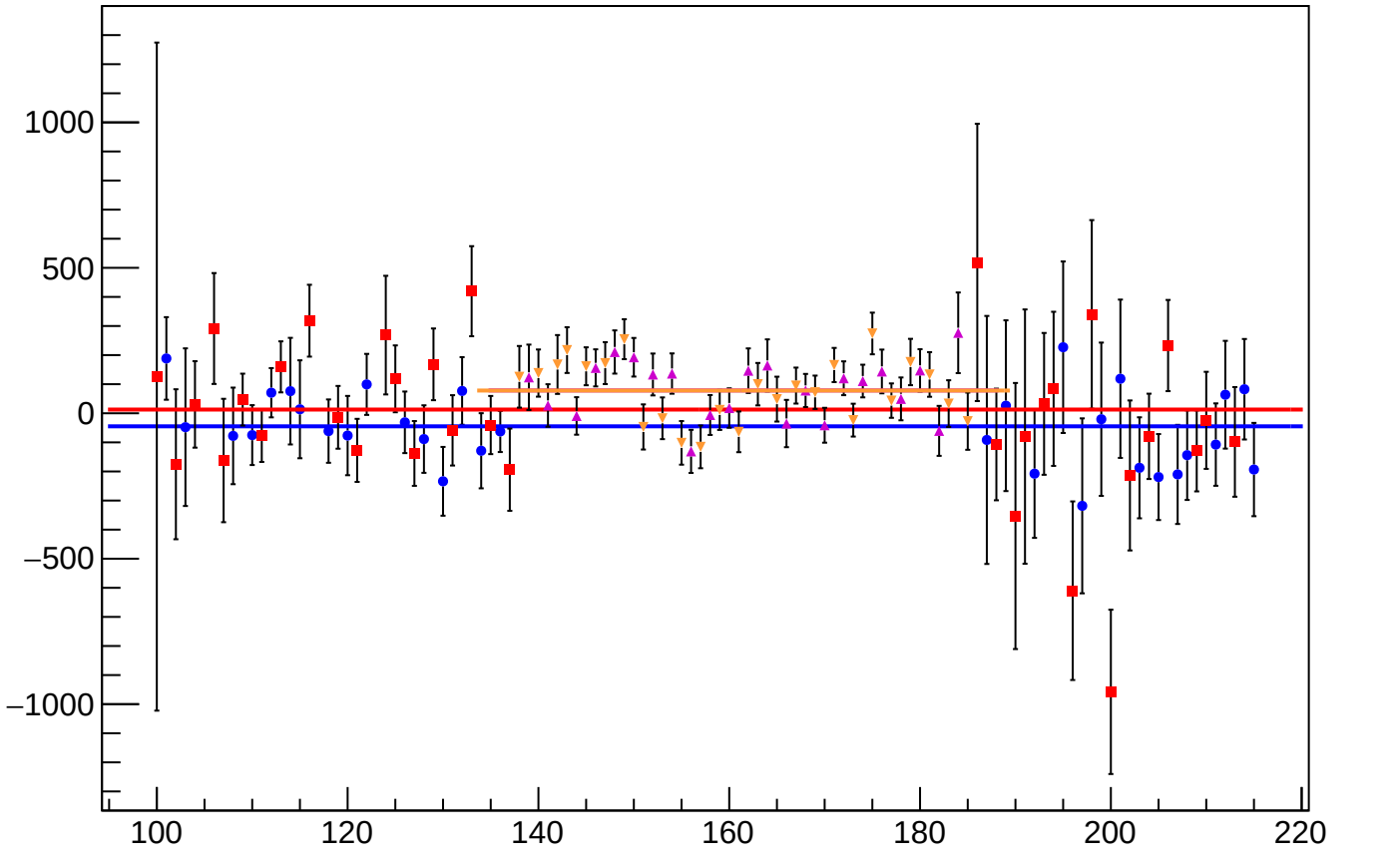
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17671384.8/64

In: 0.000+/-0.000 χ^2/NDF:21676726.4/53

Out: 0.000+/-0.000 χ^2/NDF:24540500.6/58

All: 0.000+/-0.000 χ^2/NDF: 46259563.5/112



Right In: -44.842+/-25.067 χ^2/NDF: 19.5/30

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 12.805+/-25.332 χ^2/NDF: 54.5/33

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

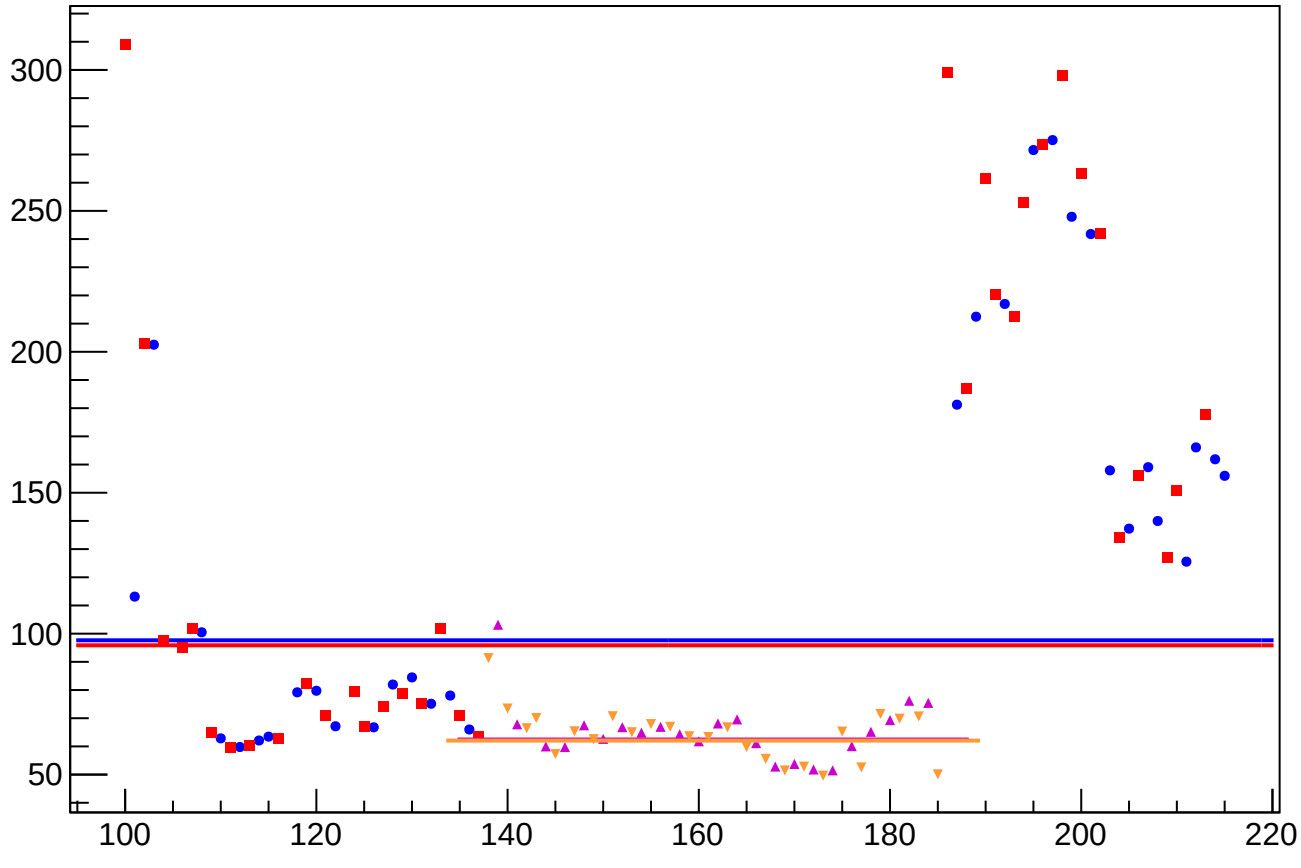
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -16.321+/-17.818 χ^2/NDF: 76.7/64

In: 46.587+/-12.752 χ^2/NDF:74.1/53

Out: 62.322+/-12.470 χ^2/NDF:113.5/58

All: 54.631+/-8.915 χ^2/NDF: 188.4/112



Right In: 97.645+/-0.018 χ^2/NDF: 7384625.2/30

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 95.868+/-0.018 χ^2/NDF: 8453305.7/33

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

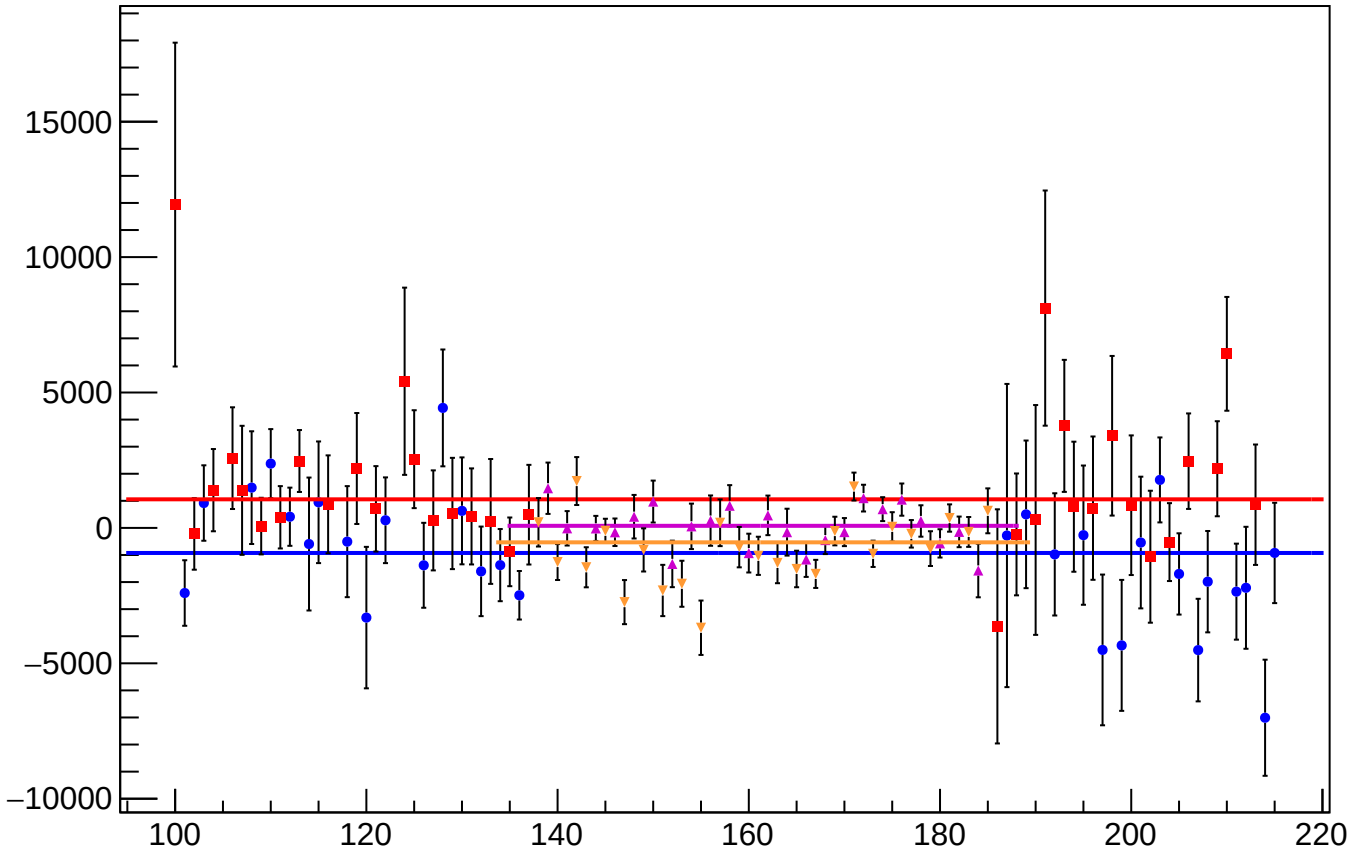
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 96.766+/-0.013 χ^2/NDF: 15842903.9/64

In: 71.554+/-0.009 χ^2/NDF:10972333.4/53

Out: 70.254+/-0.009 χ^2/NDF:11838534.0/58

All: 70.890+/-0.006 χ^2/NDF: 22821488.3/112



Right In: -925.246+/-308.132 χ^2/NDF: 45.4/30

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 1055.644+/-315.383 χ^2/NDF: 28.9/33

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

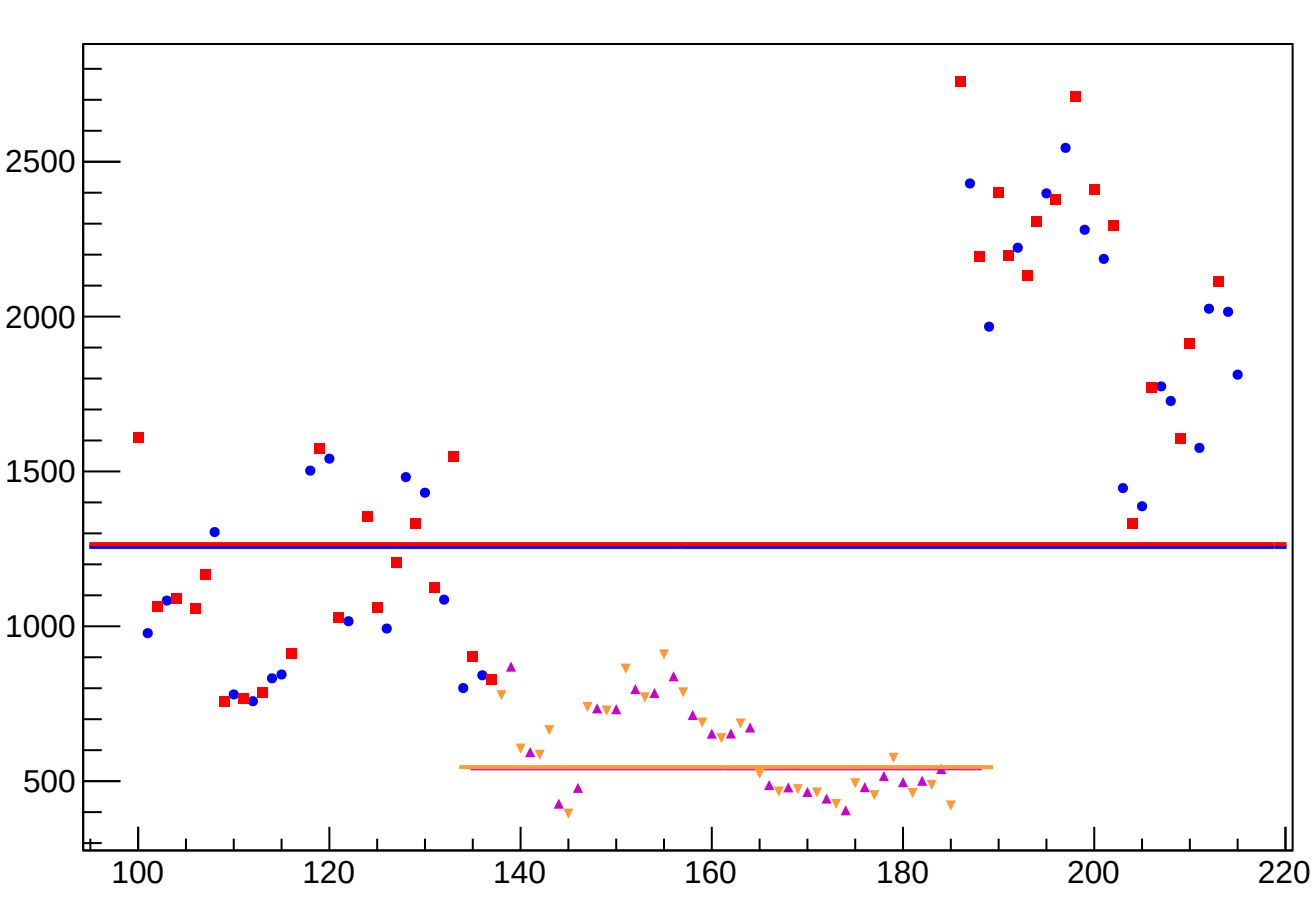
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

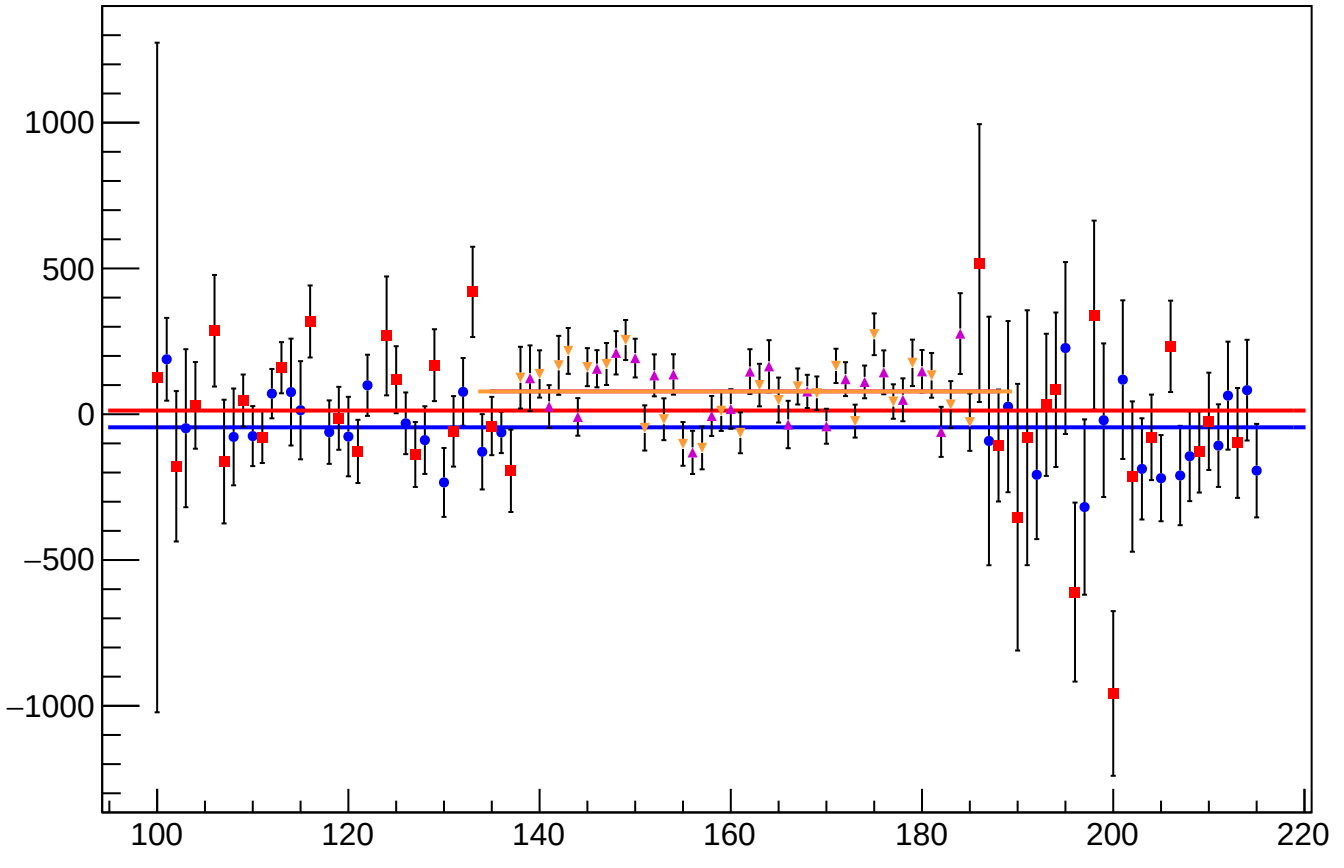
Right: 42.167+/-220.401 χ^2/NDF: 94.5/64

In: -74.735+/-120.024 χ^2/NDF:82.7/53

Out: -308.360+/-118.546 χ^2/NDF:119.8/58

All: -192.996+/-84.342 χ^2/NDF: 204.5/112


asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1256.377+/-0.218 χ²/NDF: 4964819.7/30
Left Out: 545.304+/-0.090 χ²/NDF:2083690.3/24
Right Out: 1265.423+/-0.223 χ²/NDF: 5573099.6/33
Left In: 541.458+/-0.092 χ²/NDF:1840342.7/22
Left: 543.417+/-0.065 χ²/NDF: 3924920.4/47
Right: 1260.795+/-0.156 χ²/NDF: 10538761.1/64
In: 649.931+/-0.085 χ²/NDF:15937994.4/53
Out: 647.046+/-0.084 χ²/NDF:16610662.0/58
All: 648.470+/-0.060 χ²/NDF: 32549241.4/11



Right In: -44.849+/-25.067 χ^2/NDF: 19.5/30

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 12.644+/-25.334 χ^2/NDF: 54.5/33

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

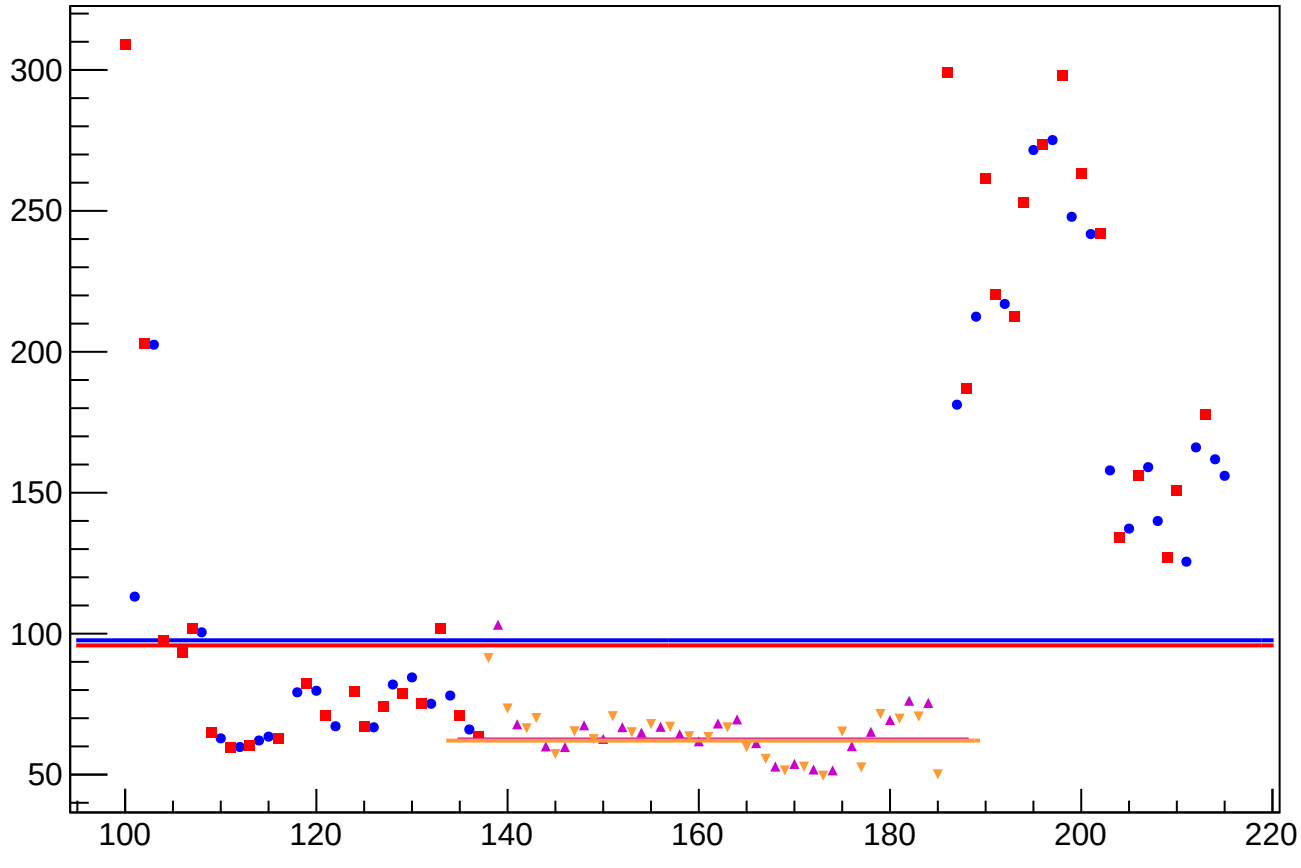
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -16.406+/-17.819 χ^2/NDF: 76.6/64

In: 46.585+/-12.752 χ^2/NDF:74.1/53

Out: 62.288+/-12.470 χ^2/NDF:113.4/58

All: 54.612+/-8.916 χ^2/NDF: 188.3/112



Right In: 97.645+/-0.018 χ^2/NDF: 7384627.6/30

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 95.838+/-0.018 χ^2/NDF: 8453839.8/33

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

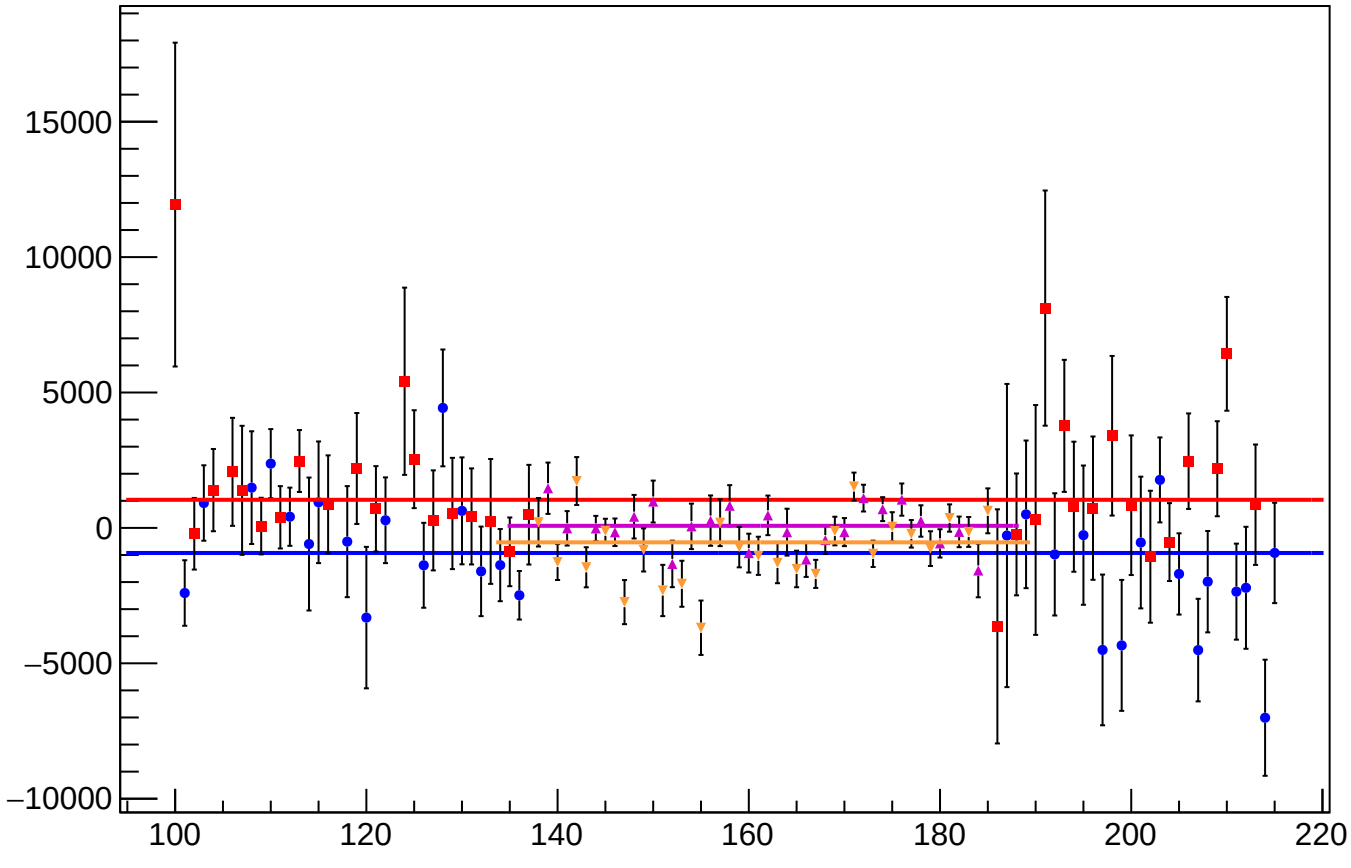
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 96.751+/-0.013 χ^2/NDF: 15843607.4/64

In: 71.554+/-0.009 χ^2/NDF:10972335.4/53

Out: 70.246+/-0.009 χ^2/NDF:11834009.6/58

All: 70.885+/-0.006 χ^2/NDF: 22817099.8/112



Right In: -925.241+/-308.134 χ^2/NDF: 45.4/30

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 1038.611+/-315.902 χ^2/NDF: 28.5/33

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

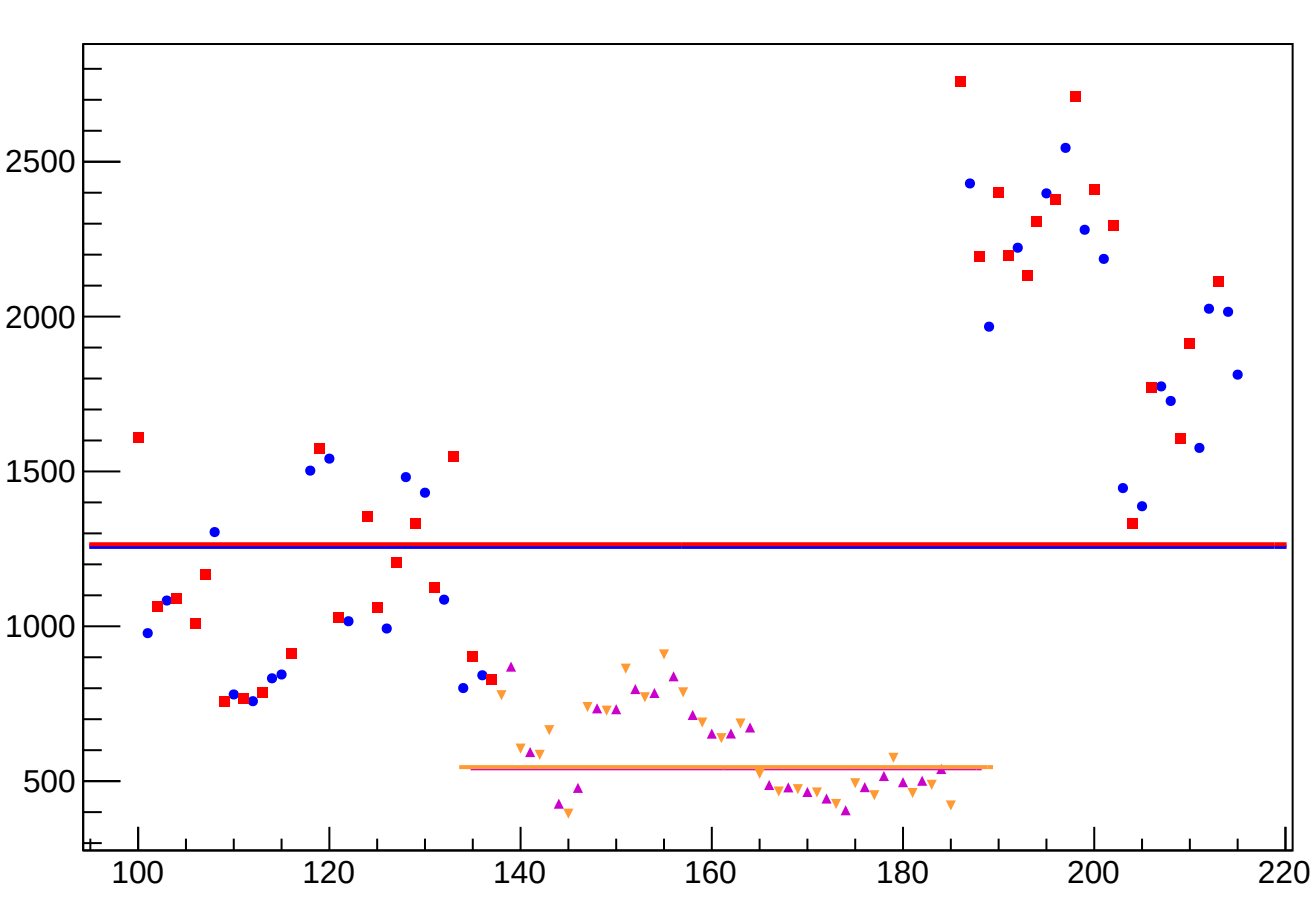
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 32.243+/-220.579 χ^2/NDF: 93.7/64

In: -74.734+/-120.025 χ^2/NDF:82.7/53

Out: -311.390+/-118.573 χ^2/NDF:118.9/58

All: -194.501+/-84.352 χ^2/NDF: 203.6/112



Right In: 1256.384+/-0.218 χ^2/NDF: 4964780.5/30

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1264.943+/-0.223 χ^2/NDF: 5581132.2/33

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

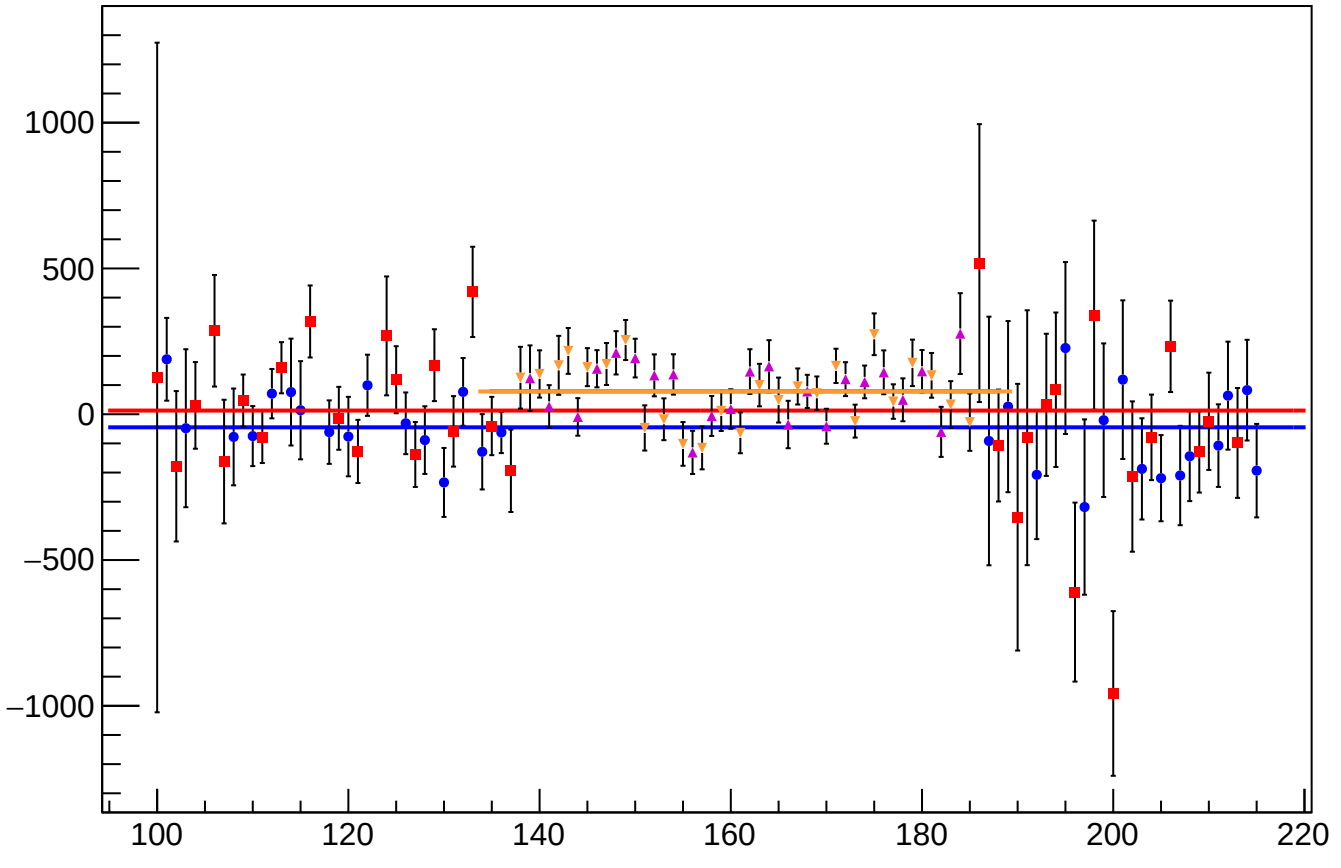
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1260.557+/-0.156 χ^2/NDF: 10546664.9/64

In: 649.931+/-0.085 χ^2/NDF:15938049.7/53

Out: 646.691+/-0.084 χ^2/NDF:16581556.9/58

All: 648.291+/-0.060 χ^2/NDF: 32520344.1/11



Right In: -44.849+/-25.067 χ^2/NDF: 19.5/30

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 12.644+/-25.334 χ^2/NDF: 54.5/33

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

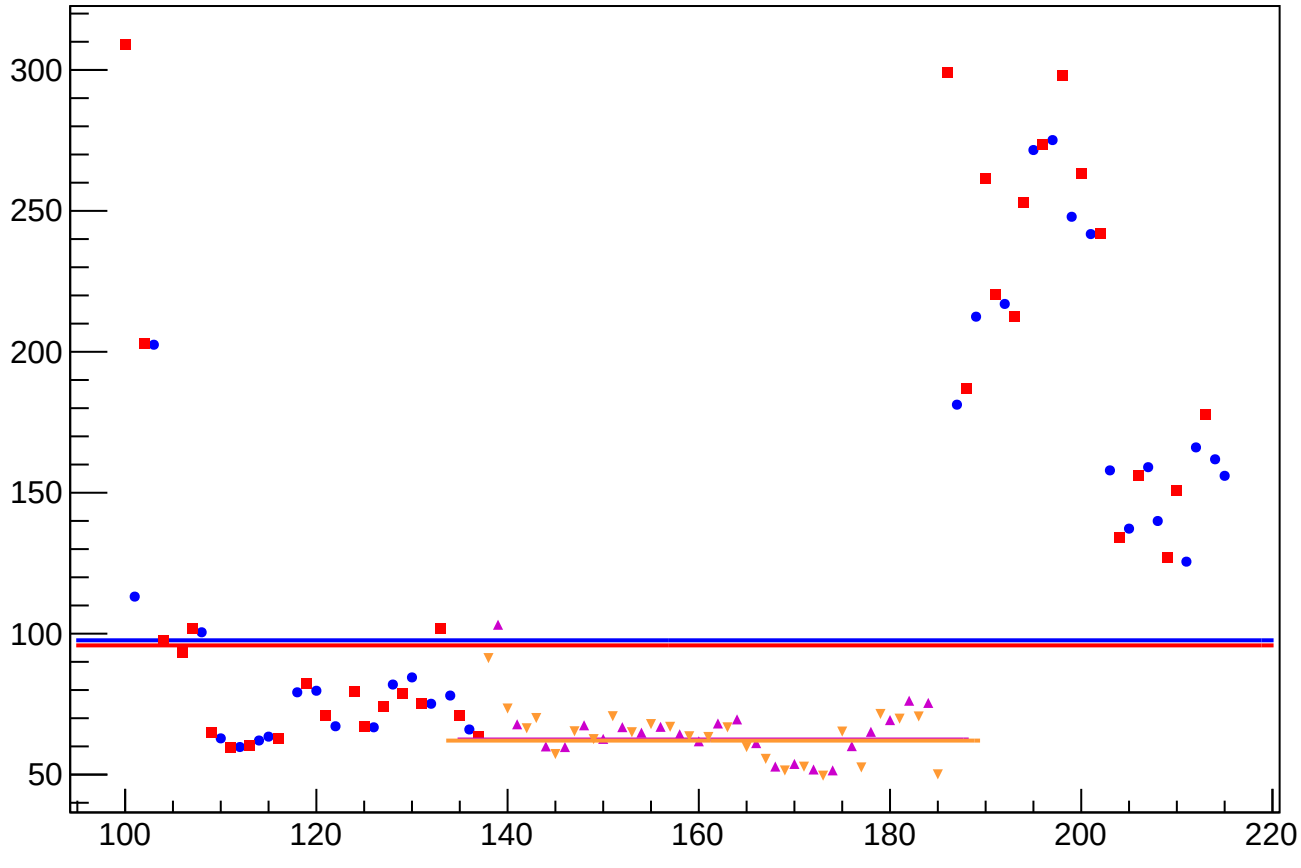
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -16.406+/-17.819 χ^2/NDF: 76.6/64

In: 46.585+/-12.752 χ^2/NDF:74.1/53

Out: 62.288+/-12.470 χ^2/NDF:113.4/58

All: 54.612+/-8.916 χ^2/NDF: 188.3/112



Right In: 97.645+/-0.018 χ^2/NDF: 7384627.6/30

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 95.838+/-0.018 χ^2/NDF: 8453839.8/33

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

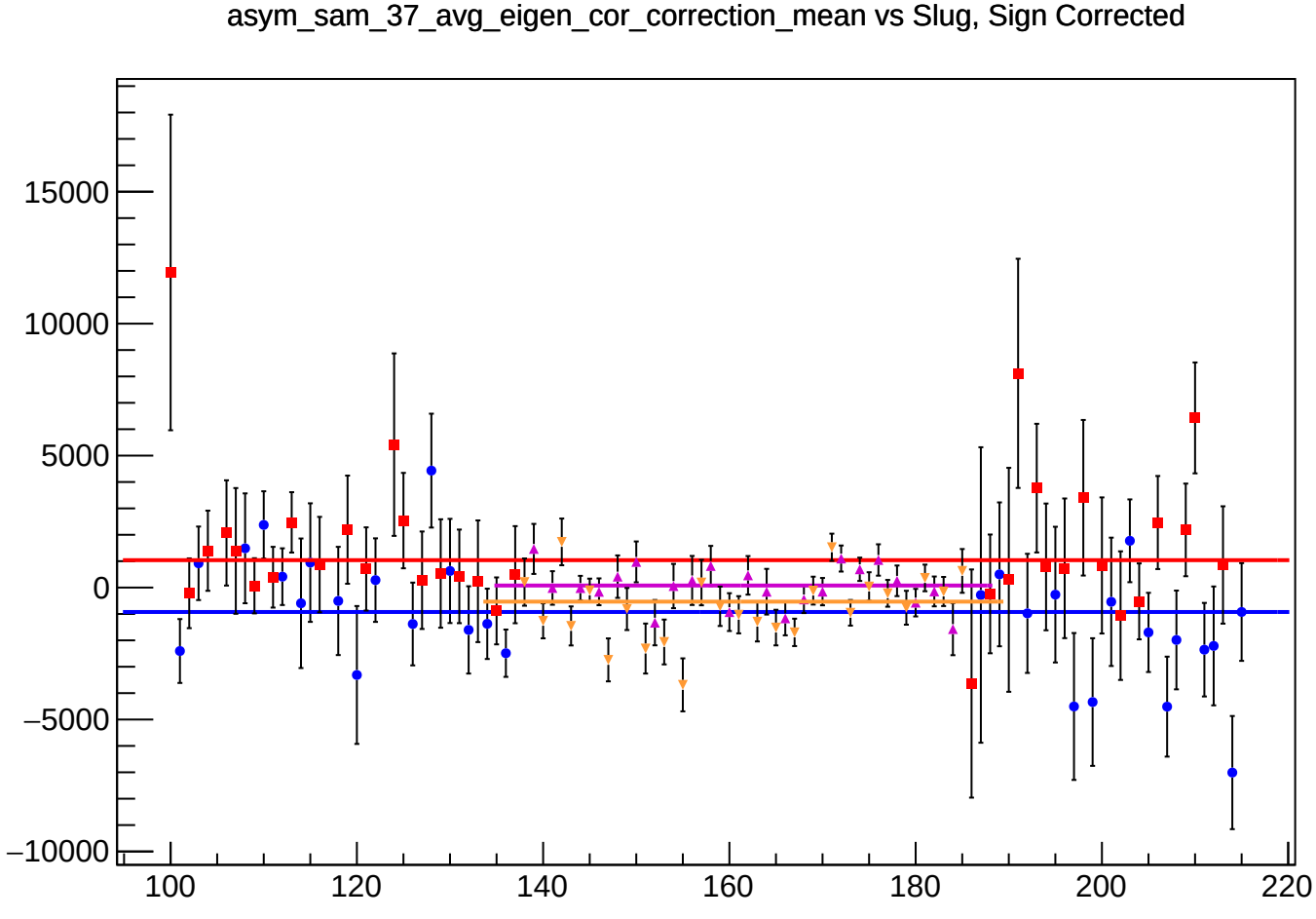
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 96.751+/-0.013 χ^2/NDF: 15843607.4/64

In: 71.554+/-0.009 χ^2/NDF:10972335.4/53

Out: 70.246+/-0.009 χ^2/NDF:11834009.6/58

All: 70.885+/-0.006 χ^2/NDF: 22817099.8/112



Right In: -925.241+/-308.134 χ^2/NDF: 45.4/30

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 1038.611+/-315.902 χ^2/NDF: 28.5/33

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

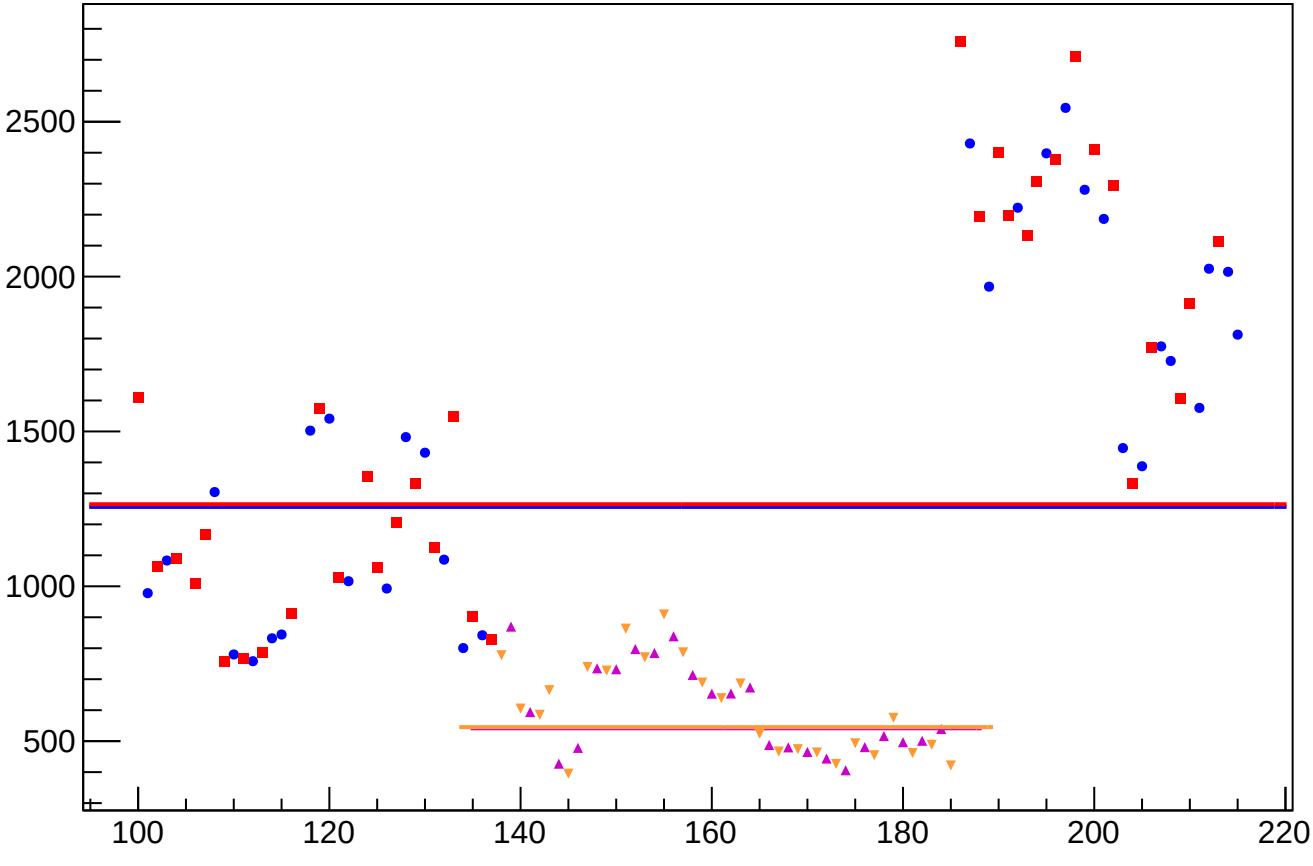
Right: 32.243+/-220.579 χ^2/NDF: 93.7/64

In: -74.734+/-120.025 χ^2/NDF:82.7/53

Out: -311.390+/-118.573 χ^2/NDF:118.9/58

All: -194.501+/-84.352 χ^2/NDF: 203.6/112

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1256.384+/-0.218 χ^2/NDF: 4964780.5/30

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1264.943+/-0.223 χ^2/NDF: 5581132.2/33

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

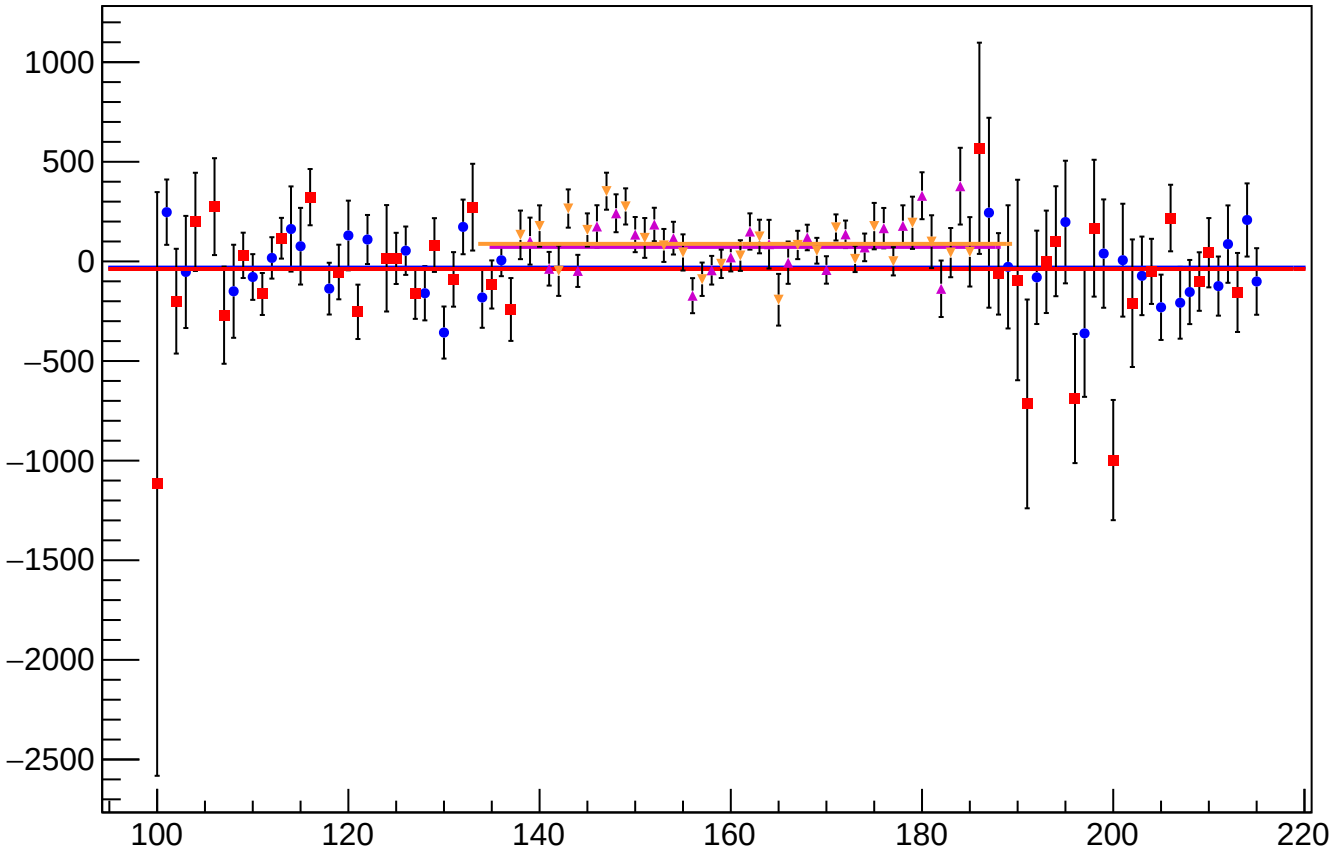
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1260.557+/-0.156 χ^2/NDF: 10546664.9/64

In: 649.931+/-0.085 χ^2/NDF:15938049.7/53

Out: 646.691+/-0.084 χ^2/NDF:16581556.9/58

All: 648.291+/-0.060 χ^2/NDF: 32520344.1/11



Right In: -31.129+/-28.554 χ^2/NDF: 26.3/30

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -38.127+/-29.597 χ^2/NDF: 44.9/33

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

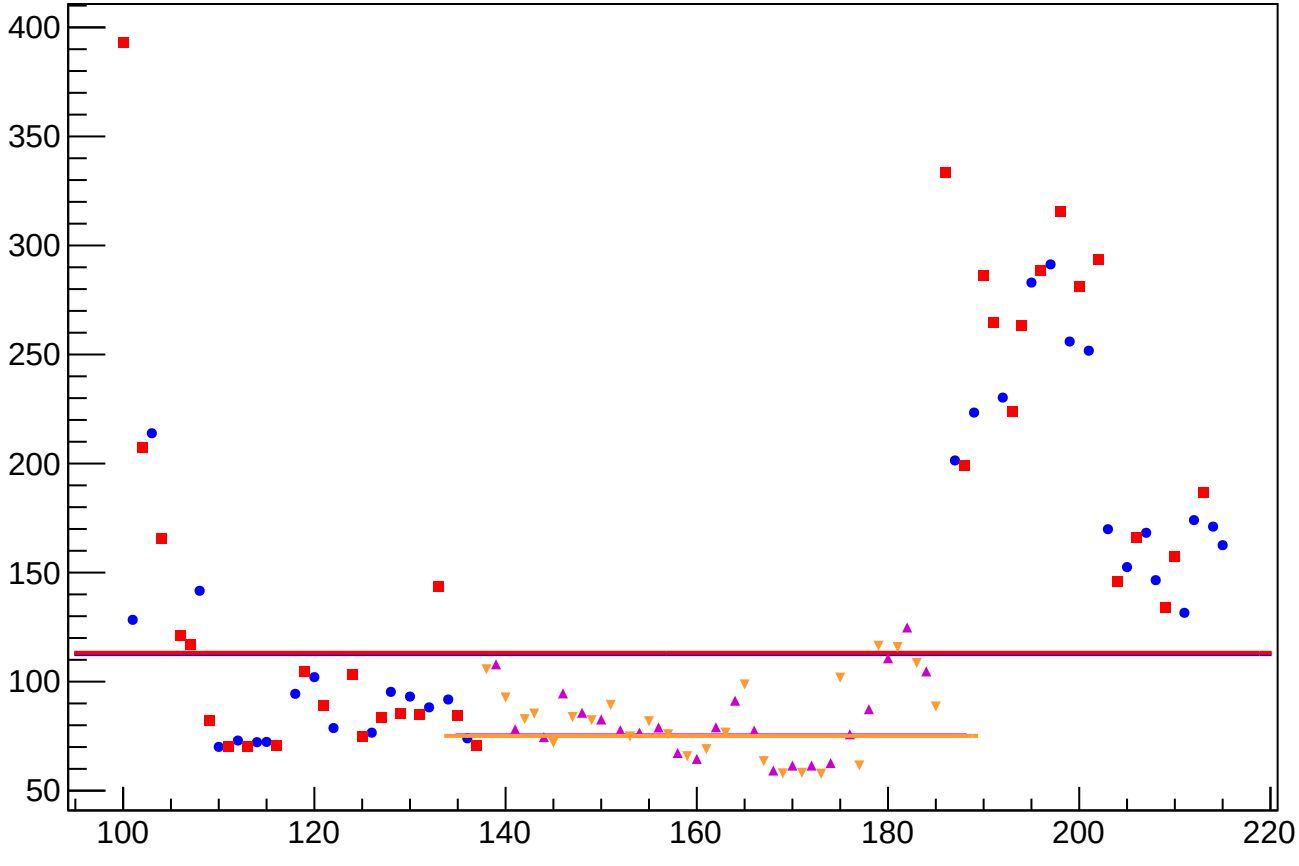
Right: -34.503+/-20.550 χ^2/NDF: 71.2/64

In: 42.632+/-15.393 χ^2/NDF:74.1/53

Out: 54.681+/-15.219 χ^2/NDF:95.2/58

All: 48.725+/-10.822 χ^2/NDF: 169.6/112

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 112.610+/-0.020 χ^2/NDF: 6345420.7/30

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 113.214+/-0.021 χ^2/NDF: 7579186.8/33

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

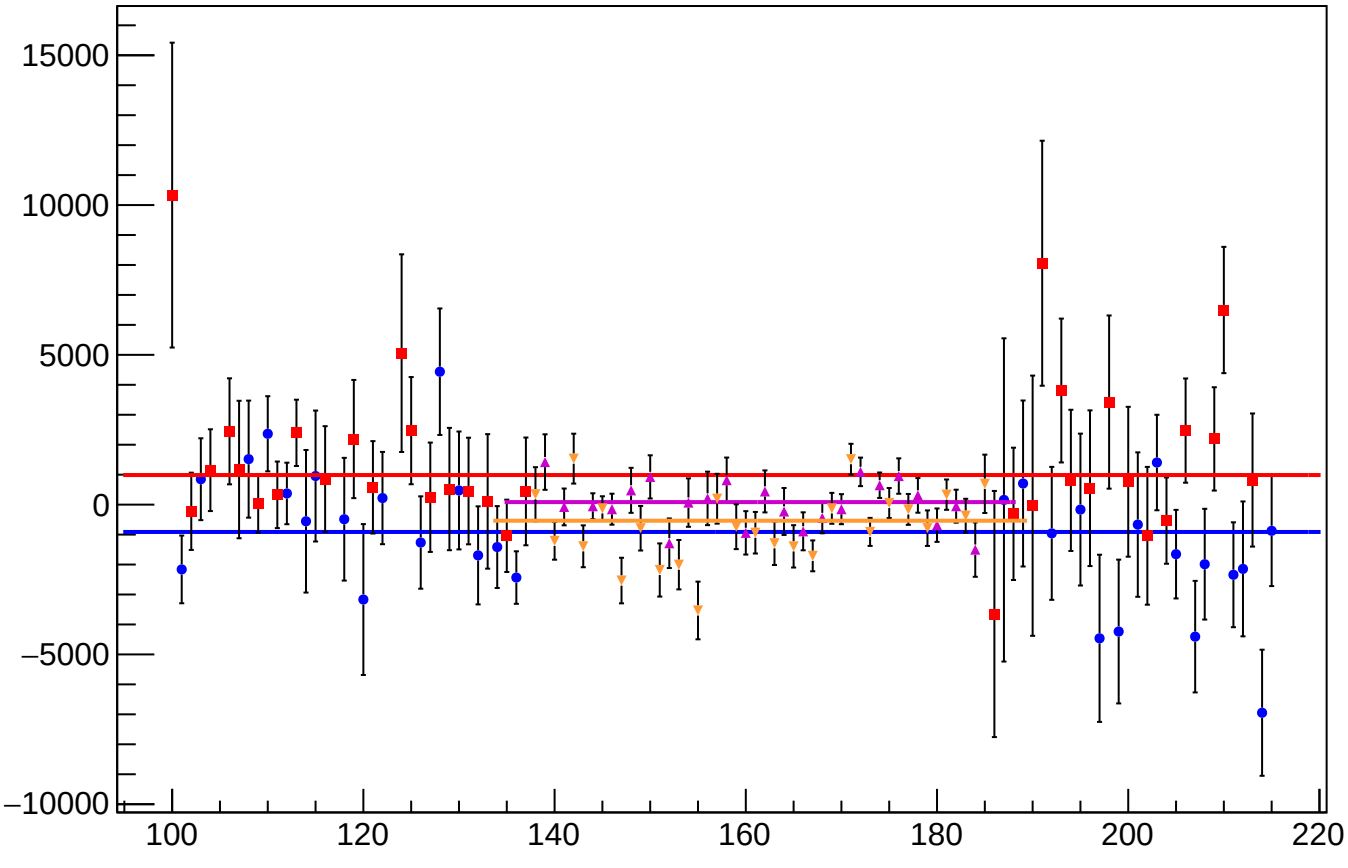
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 112.901+/-0.015 χ^2/NDF: 13925038.2/64

In: 86.187+/-0.011 χ^2/NDF:9984939.7/53

Out: 85.198+/-0.011 χ^2/NDF:11616695.6/58

All: 85.687+/-0.008 χ^2/NDF: 21605814.5/112



Right In: -912.119+/-302.141 χ^2/NDF: 44.7/30

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 988.248+/-305.254 χ^2/NDF: 30.6/33

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

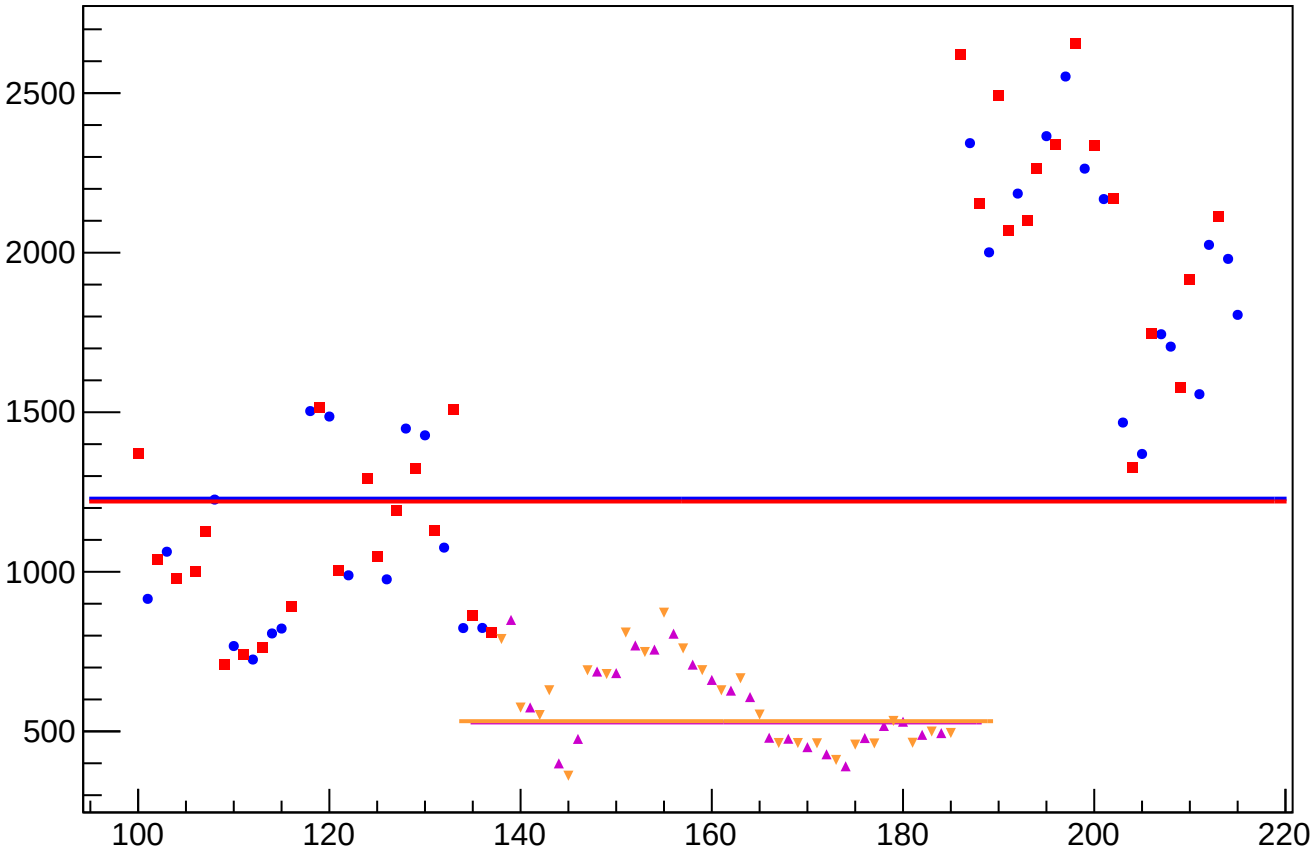
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 28.323+/-214.738 χ^2/NDF: 95.0/64

In: -65.080+/-117.109 χ^2/NDF:81.5/53

Out: -319.371+/-115.258 χ^2/NDF:119.1/58

All: -194.251+/-82.146 χ^2/NDF: 202.9/112



Right In: 1229.177+/-0.214 χ^2/NDF: 5147219.8/30

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1220.323+/-0.216 χ^2/NDF: 5828233.7/33

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

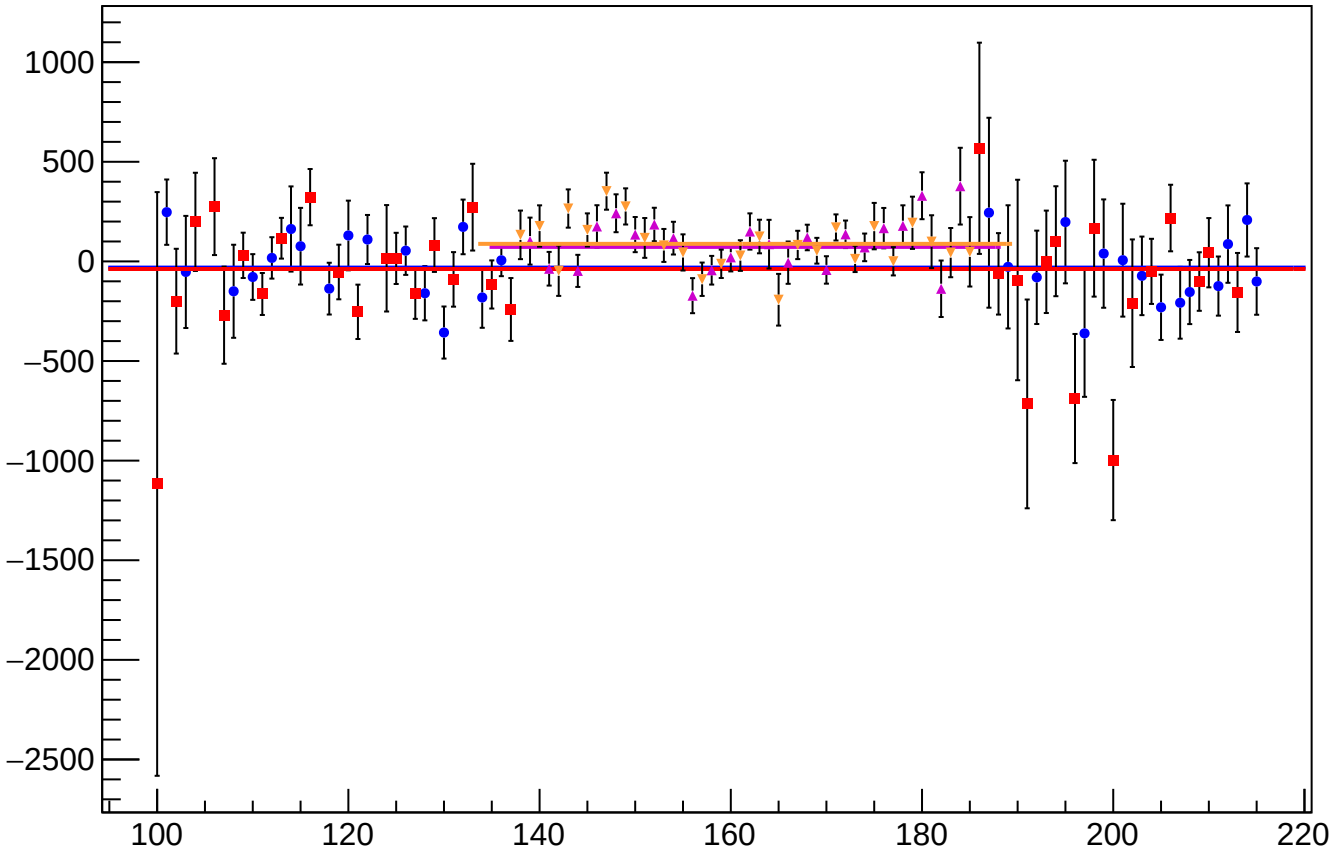
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1224.795+/-0.152 χ^2/NDF: 10976303.3/64

In: 633.326+/-0.083 χ^2/NDF:16101133.8/53

Out: 630.022+/-0.081 χ^2/NDF:16588729.5/58

All: 631.648+/-0.058 χ^2/NDF: 32690672.1/11



Right In: -31.129+/-28.554 χ^2/NDF: 26.3/30

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -38.130+/-29.598 χ^2/NDF: 44.9/33

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

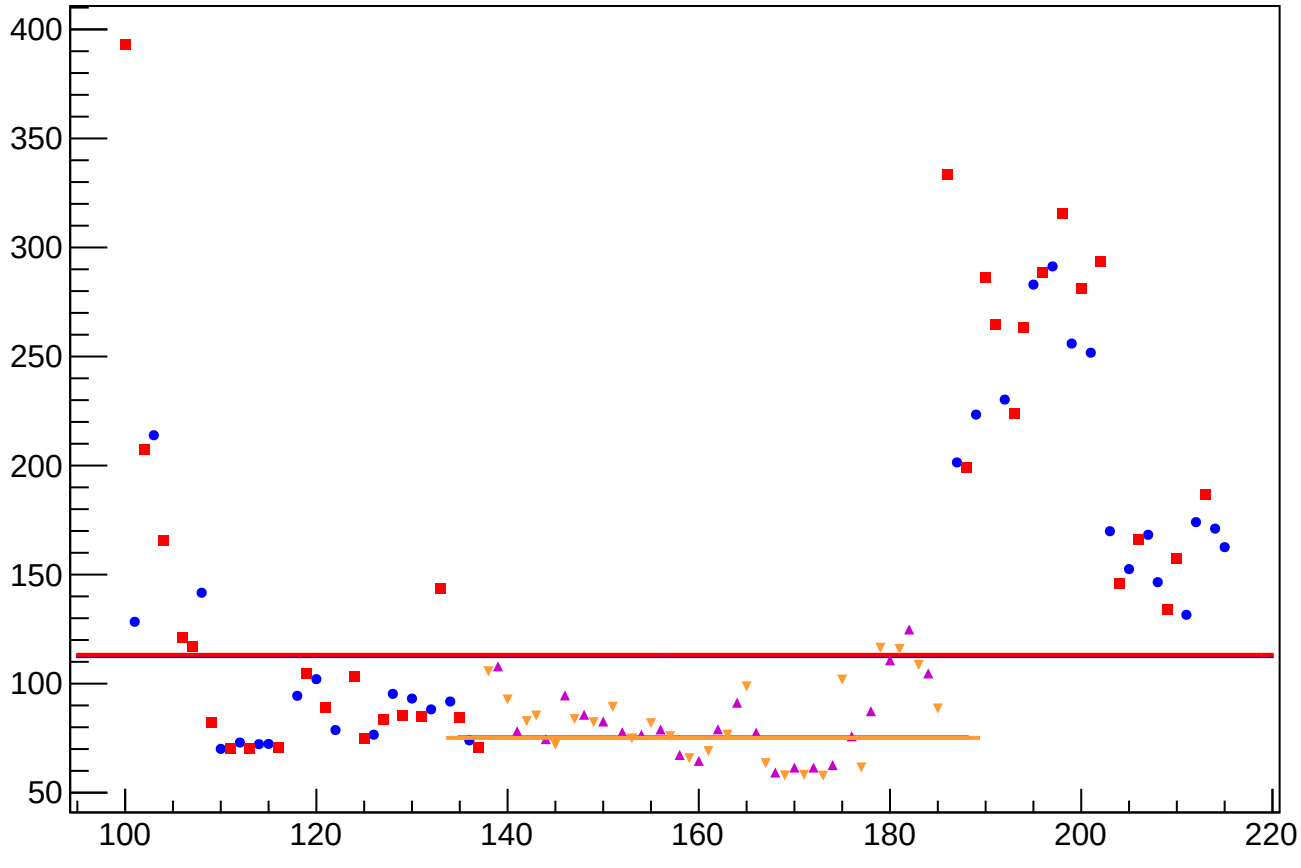
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -34.504+/-20.550 χ^2/NDF: 71.2/64

In: 42.632+/-15.393 χ^2/NDF:74.1/53

Out: 54.681+/-15.219 χ^2/NDF:95.2/58

All: 48.725+/-10.822 χ^2/NDF: 169.6/112



Right In: 112.611+/-0.020 χ^2/NDF: 6345374.6/30

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 113.214+/-0.021 χ^2/NDF: 7579143.3/33

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

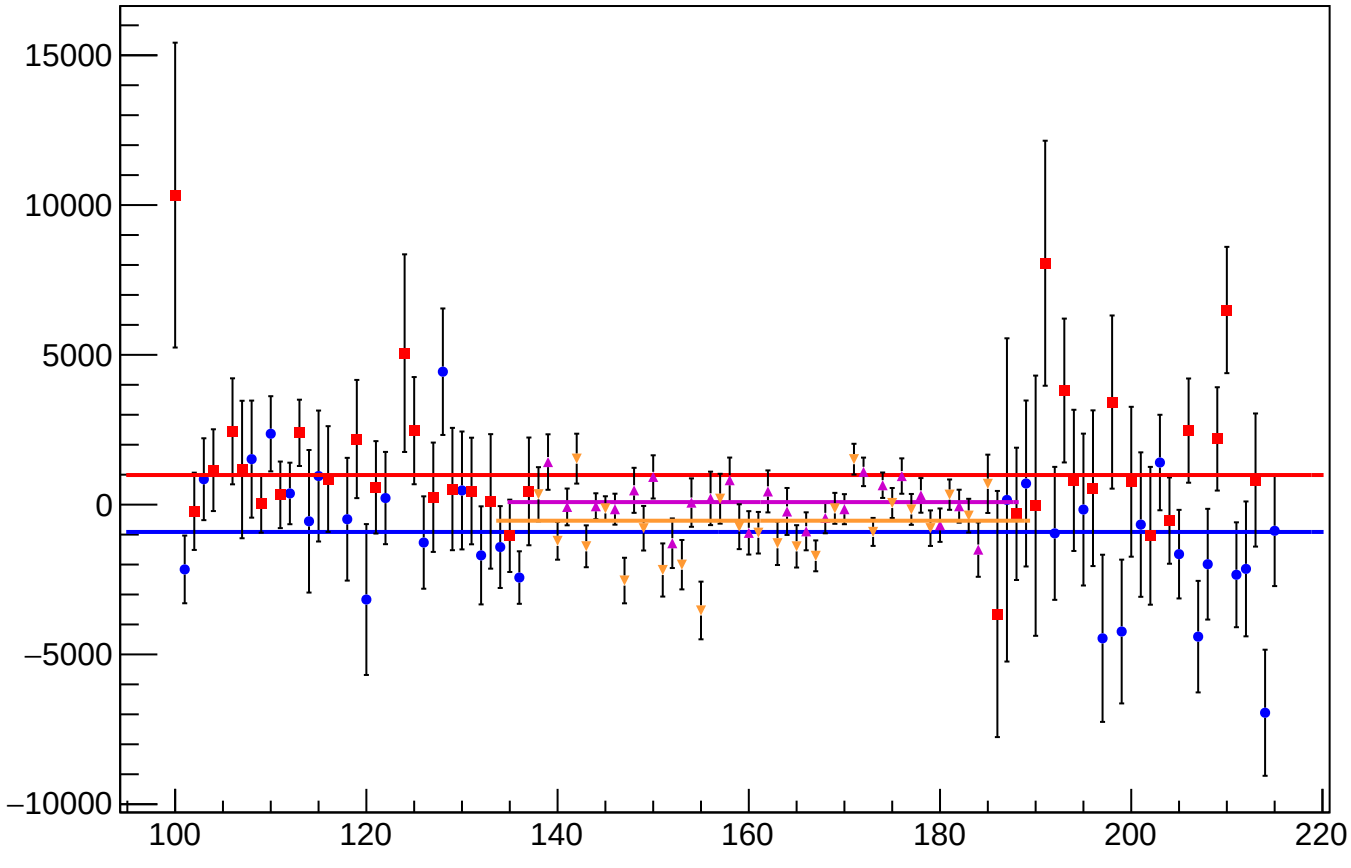
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 112.902+/-0.015 χ^2/NDF: 13924948.7/64

In: 86.188+/-0.011 χ^2/NDF:9984905.6/53

Out: 85.198+/-0.011 χ^2/NDF:11616670.3/58

All: 85.687+/-0.008 χ^2/NDF: 21605754.7/112



Right In: -912.116+/-302.140 χ^2/NDF: 44.7/30

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 988.247+/-305.254 χ^2/NDF: 30.6/33

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

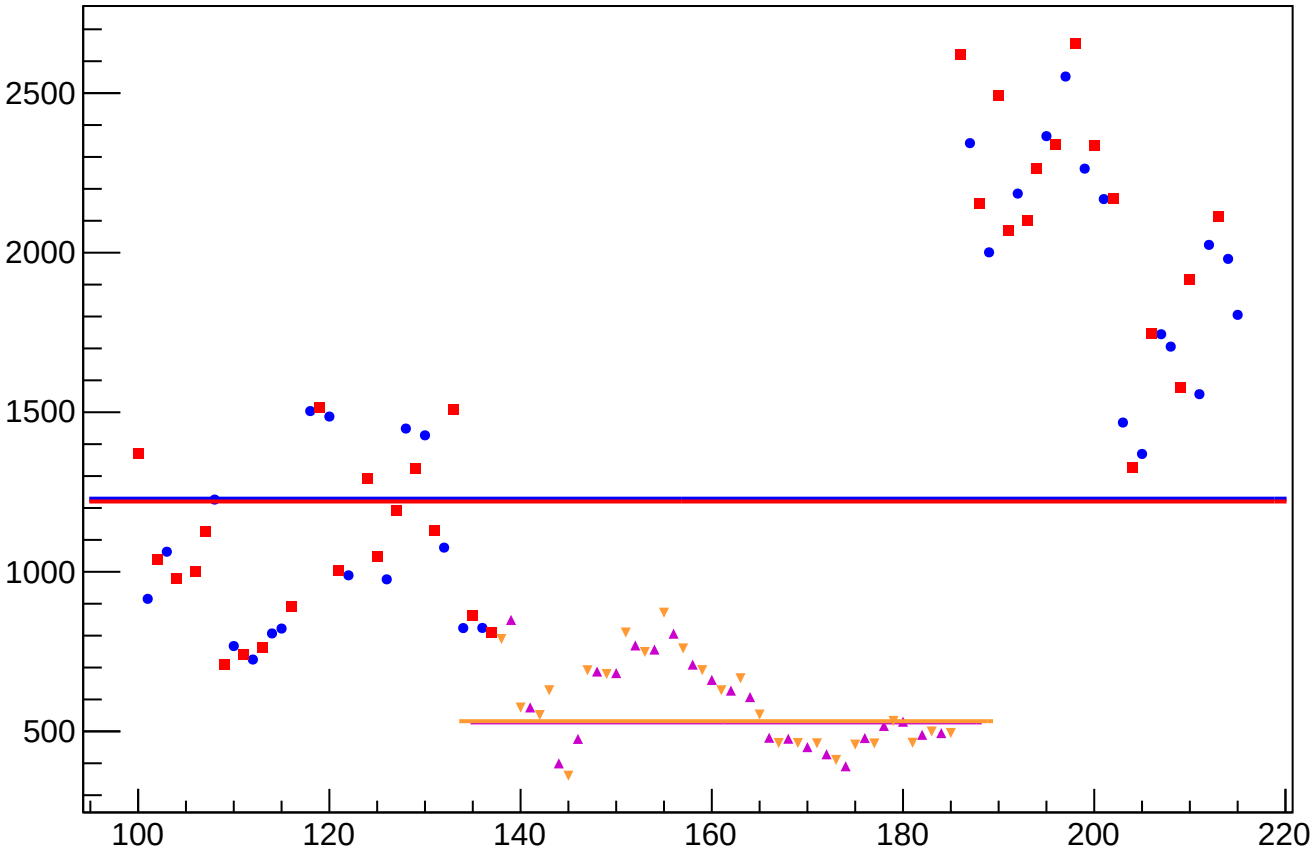
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 28.324+/-214.738 χ^2/NDF: 95.0/64

In: -65.080+/-117.108 χ^2/NDF:81.5/53

Out: -319.371+/-115.258 χ^2/NDF:119.1/58

All: -194.251+/-82.146 χ^2/NDF: 202.9/112



Right In: 1229.175+/-0.214 χ^2/NDF: 5147234.7/30

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1220.321+/-0.216 χ^2/NDF: 5828246.1/33

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

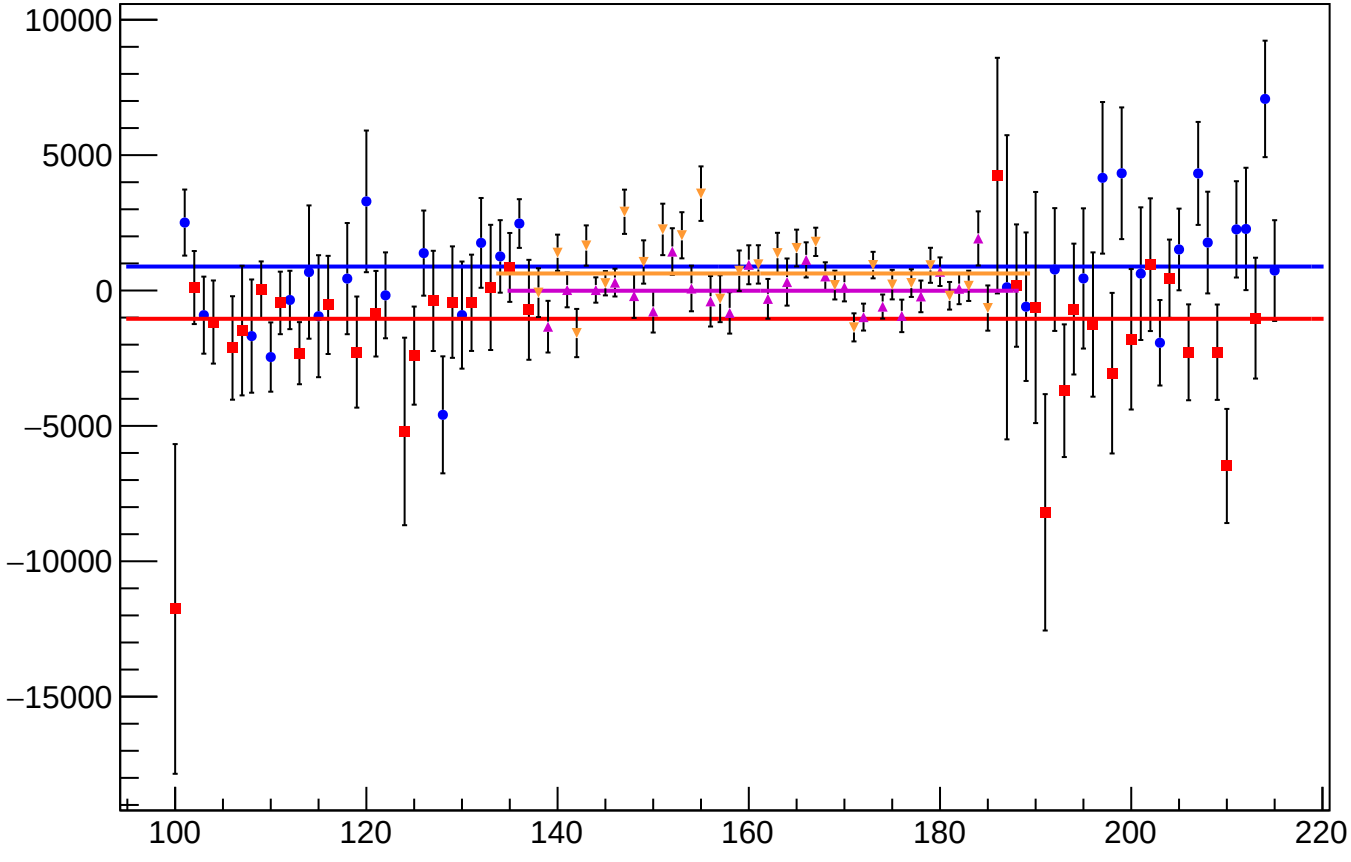
Right: 1224.793+/-0.152 χ^2/NDF: 10976330.7/64

In: 633.326+/-0.083 χ^2/NDF:16101120.4/53

Out: 630.022+/-0.081 χ^2/NDF:16588715.9/58

All: 631.647+/-0.058 χ^2/NDF: 32690645.1/1

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 885.212+/-309.646 χ^2/NDF: 45.7/30

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -1044.467+/-317.042 χ^2/NDF: 27.6/33

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

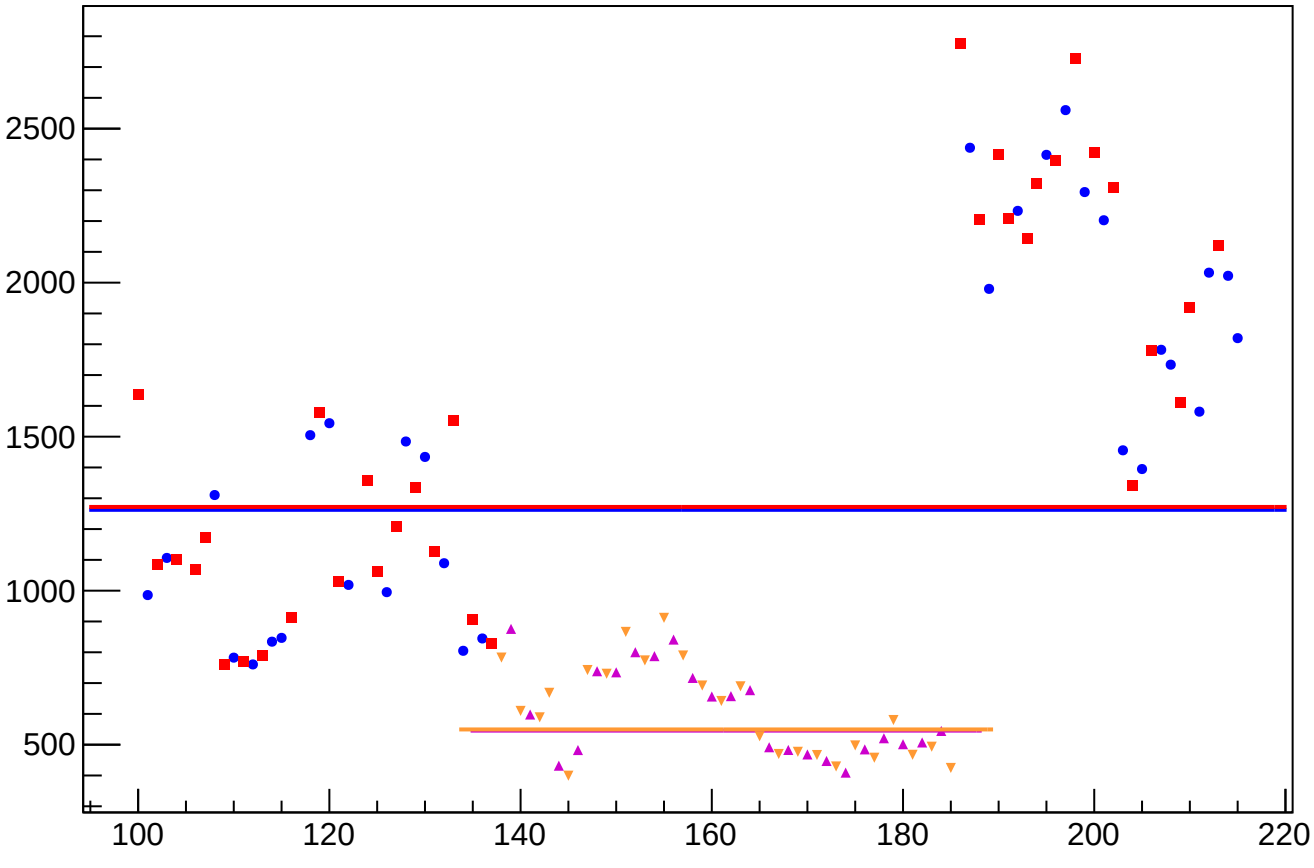
Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

Right: -56.855+/-221.521 χ^2/NDF: 92.2/64

In: 127.718+/-120.873 χ^2/NDF:80.1/53

Out: 392.089+/-119.371 χ^2/NDF:116.4/58

All: 261.556+/-84.934 χ^2/NDF: 198.9/112



Right In: 1262.500+/-0.219 χ^2/NDF: 4967484.7/30

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1271.821+/-0.224 χ^2/NDF: 5578966.8/33

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

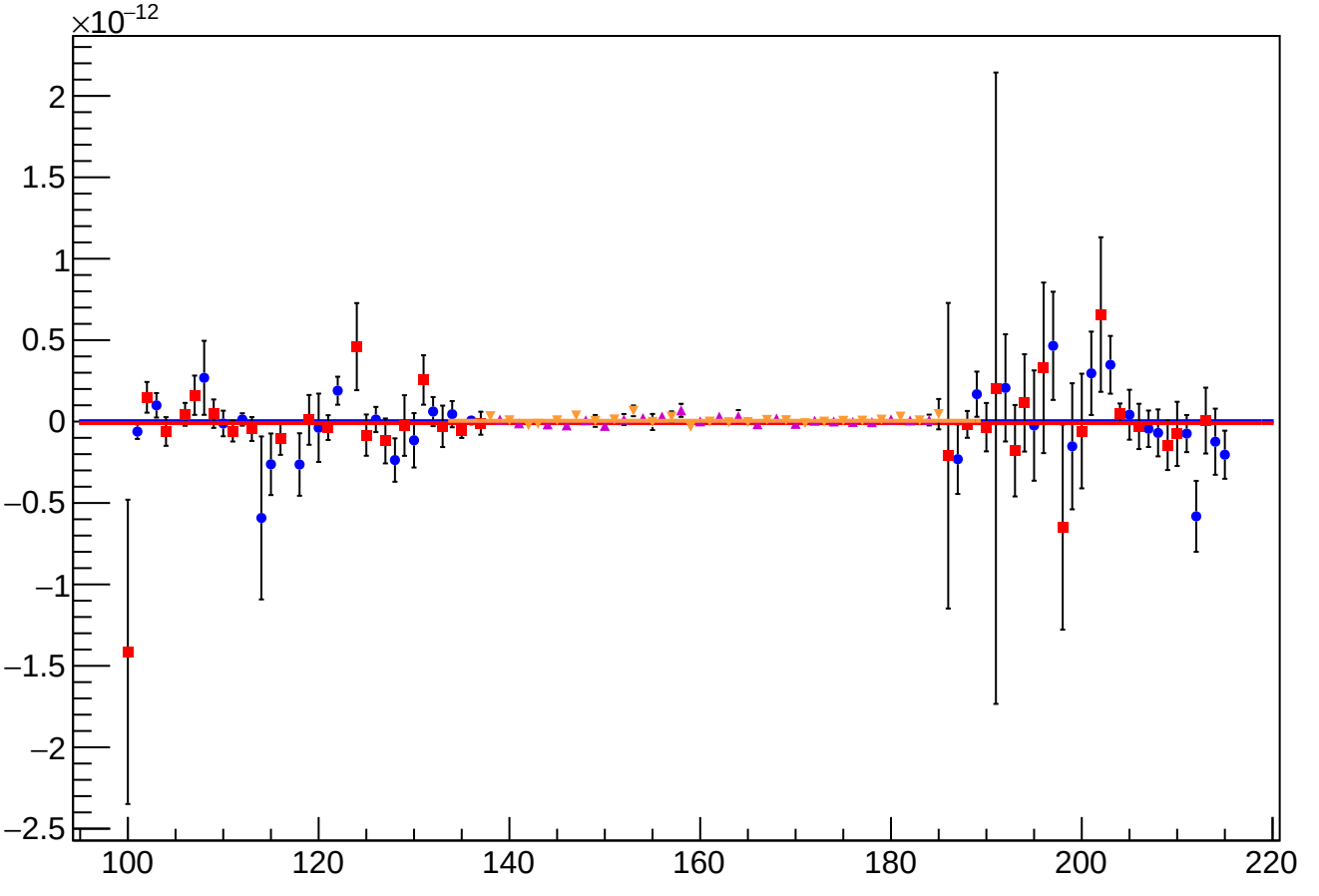
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1267.050+/-0.157 χ^2/NDF: 10547336.1/64

In: 654.933+/-0.085 χ^2/NDF:15866207.3/53

Out: 651.877+/-0.084 χ^2/NDF:16543186.6/58

All: 653.386+/-0.060 χ^2/NDF: 32410041.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/33

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

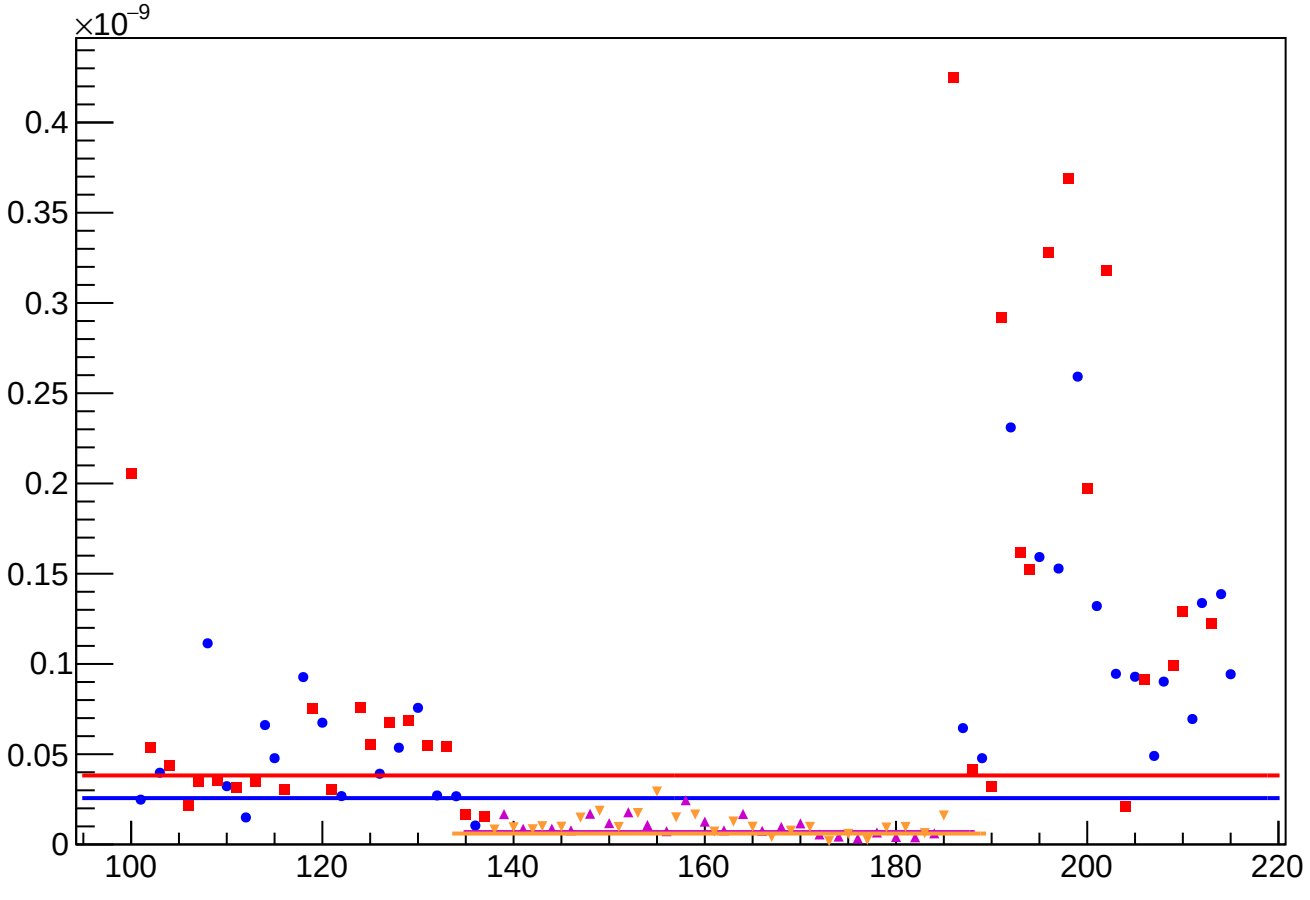
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 65.2/64

In: 0.000+/-0.000 χ^2/NDF:60.4/53

Out: 0.000+/-0.000 χ^2/NDF:40.8/58

All: 0.000+/-0.000 χ^2/NDF: 101.4/112



Right In: 0.000+/-0.000 χ^2/NDF: 7965641.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6202304.6/33

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

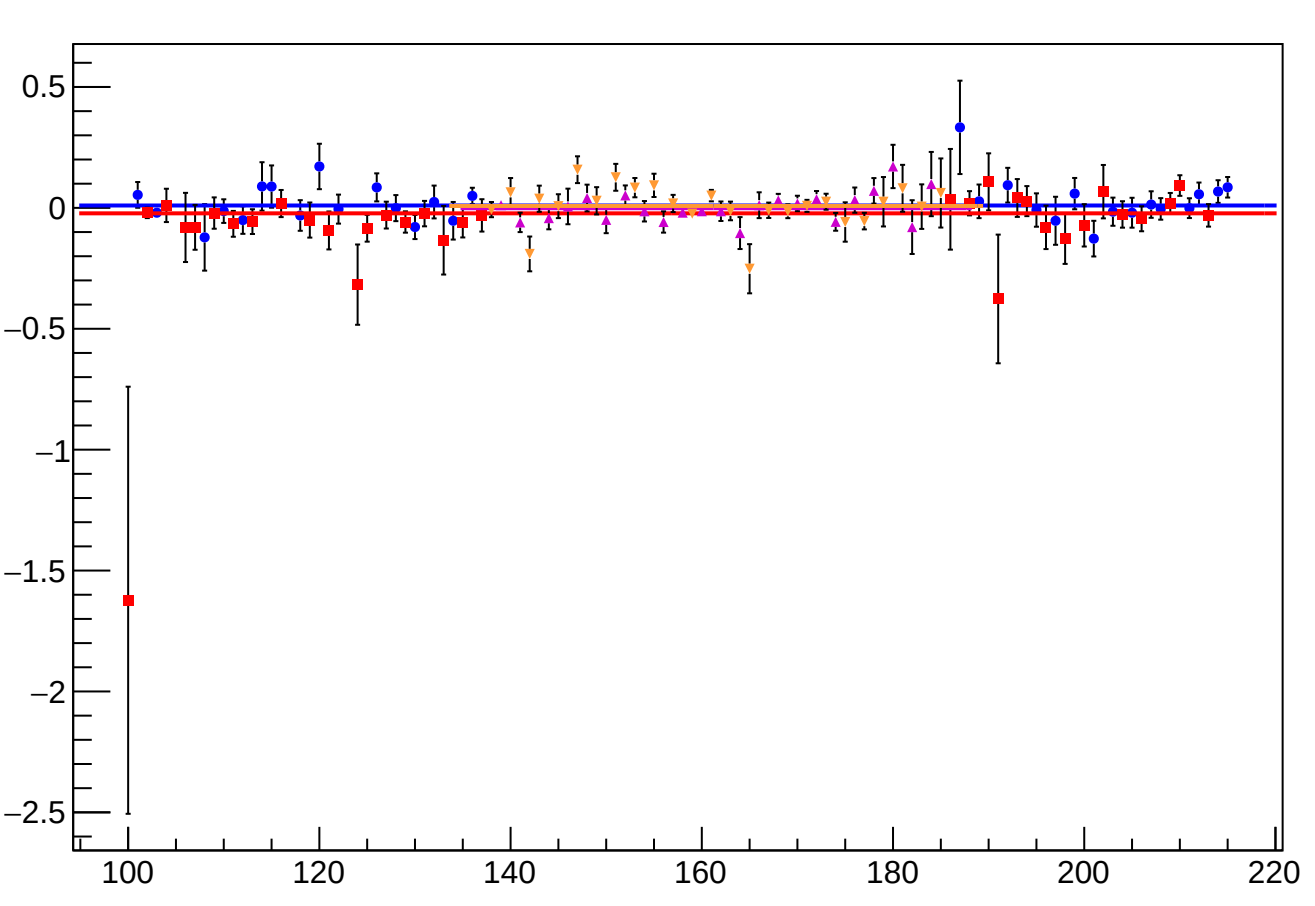
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14770197.4/64

In: 0.000+/-0.000 χ^2/NDF:13916717.2/53

Out: 0.000+/-0.000 χ^2/NDF:15853876.1/58

All: 0.000+/-0.000 χ^2/NDF: 29872978.2/112



Right In: 0.010+/-0.009 χ^2/NDF: 32.0/30

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.023+/-0.010 χ^2/NDF: 28.6/33

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

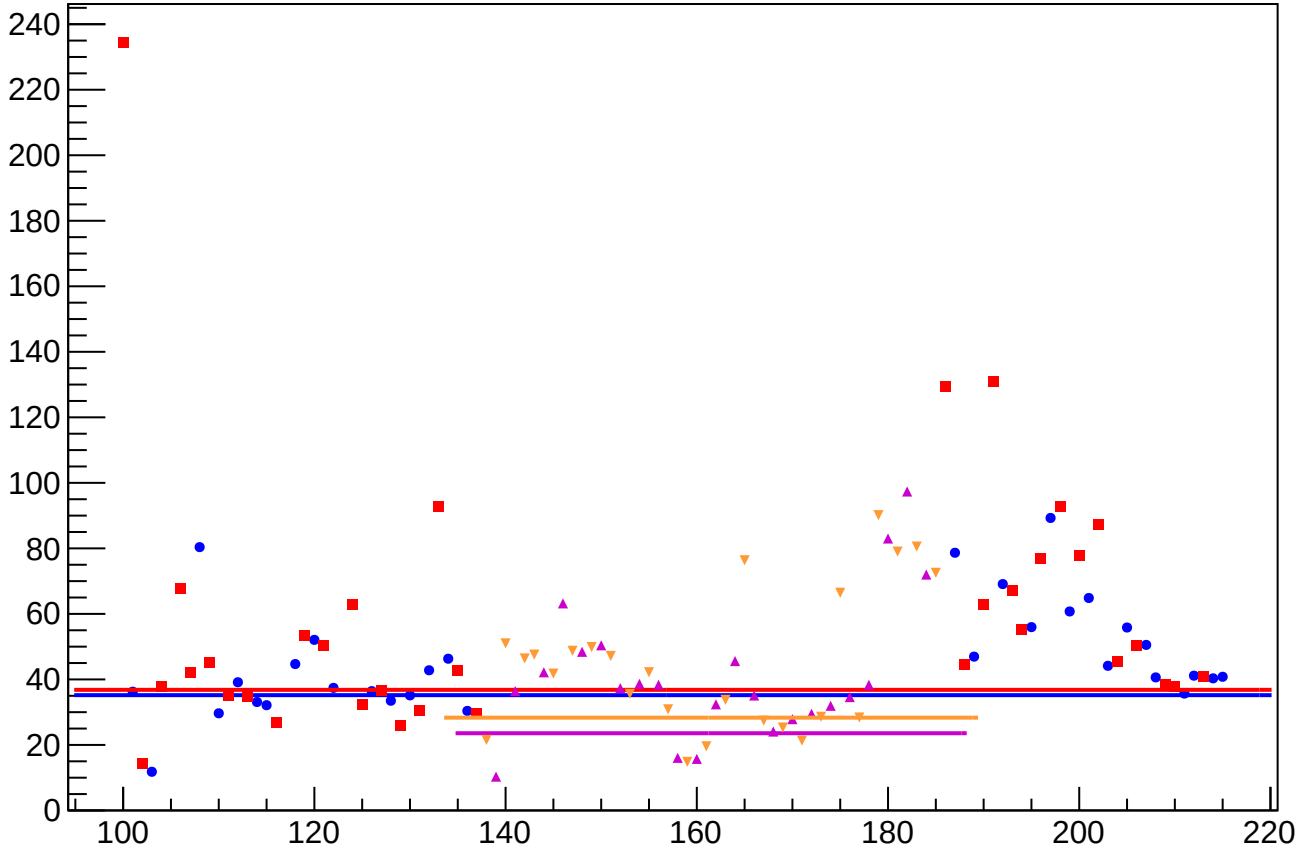
Right: -0.005+/-0.007 χ^2/NDF: 66.3/64

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.000+/-0.004 χ^2/NDF: 140.7/112

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.194+/-0.007 χ^2/NDF: 5873617.4/30

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.819+/-0.007 χ^2/NDF: 6533551.3/33

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

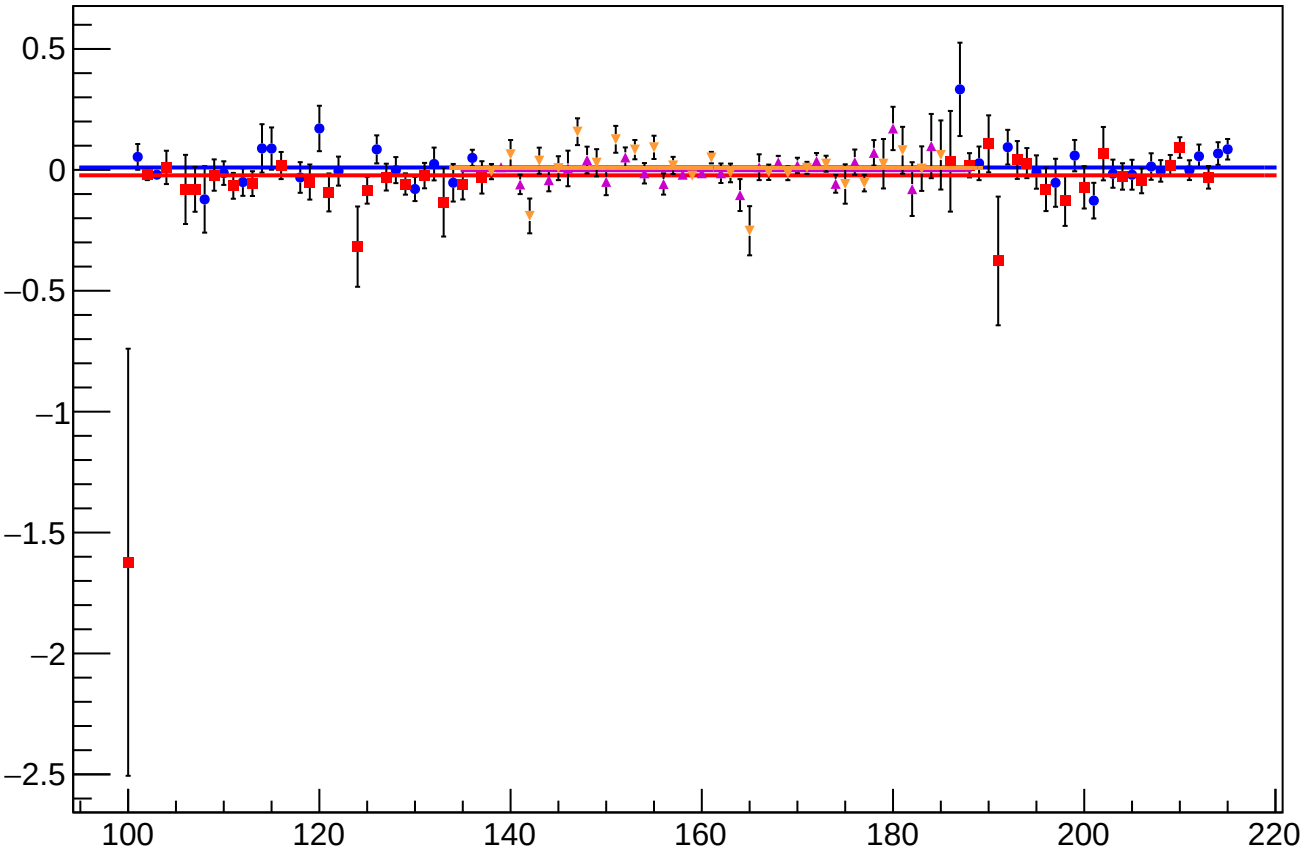
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 35.945+/-0.005 χ^2/NDF: 12435214.9/64

In: 27.610+/-0.004 χ^2/NDF:16163568.8/53

Out: 31.400+/-0.004 χ^2/NDF:14231842.2/58

All: 29.324+/-0.003 χ^2/NDF: 30825056.9/112



Right In: 0.010+/-0.009 χ^2/NDF: 32.0/30

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.023+/-0.010 χ^2/NDF: 28.6/33

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

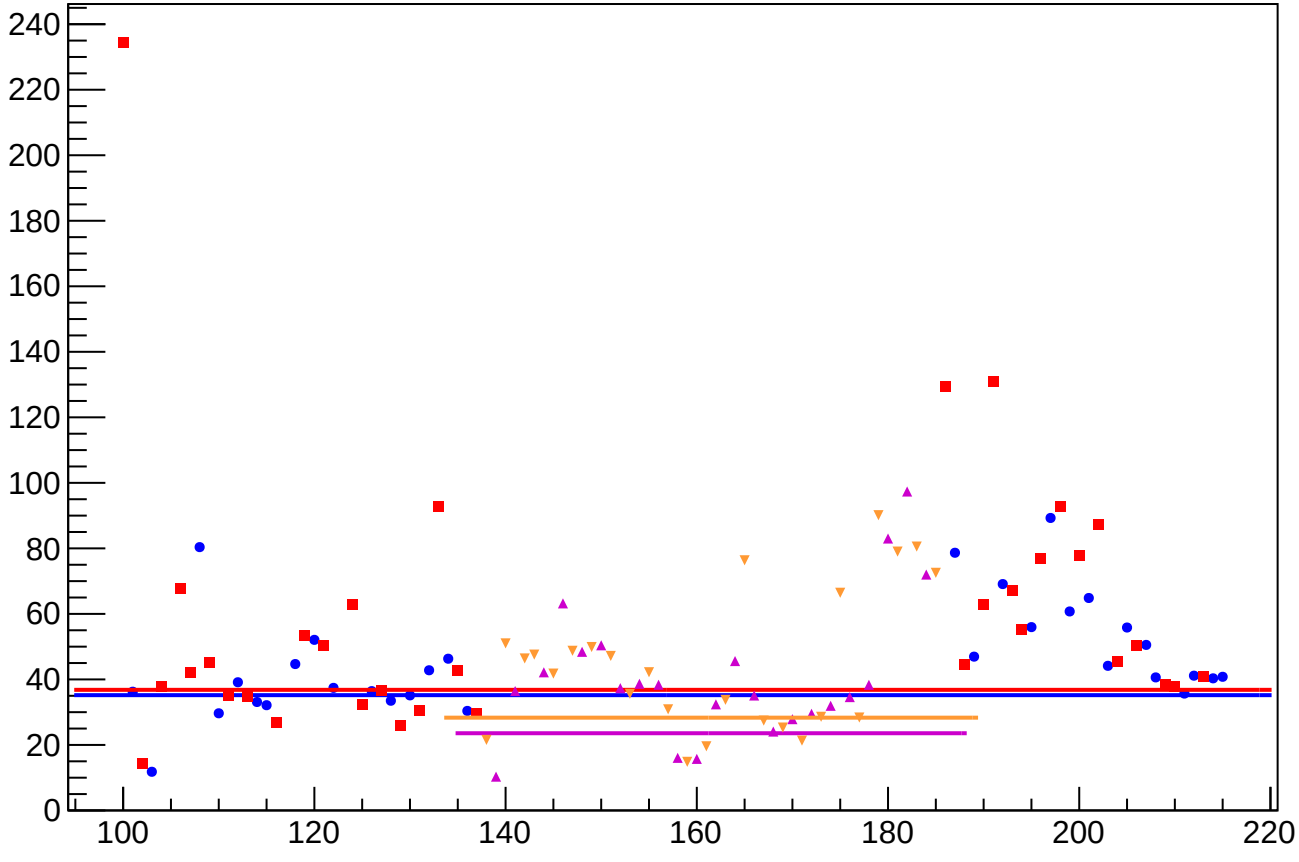
Right: -0.005+/-0.007 χ^2/NDF: 66.3/64

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.000+/-0.004 χ^2/NDF: 140.7/112

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.194+/-0.007 χ^2/NDF: 5873617.4/30

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.819+/-0.007 χ^2/NDF: 6533551.3/33

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

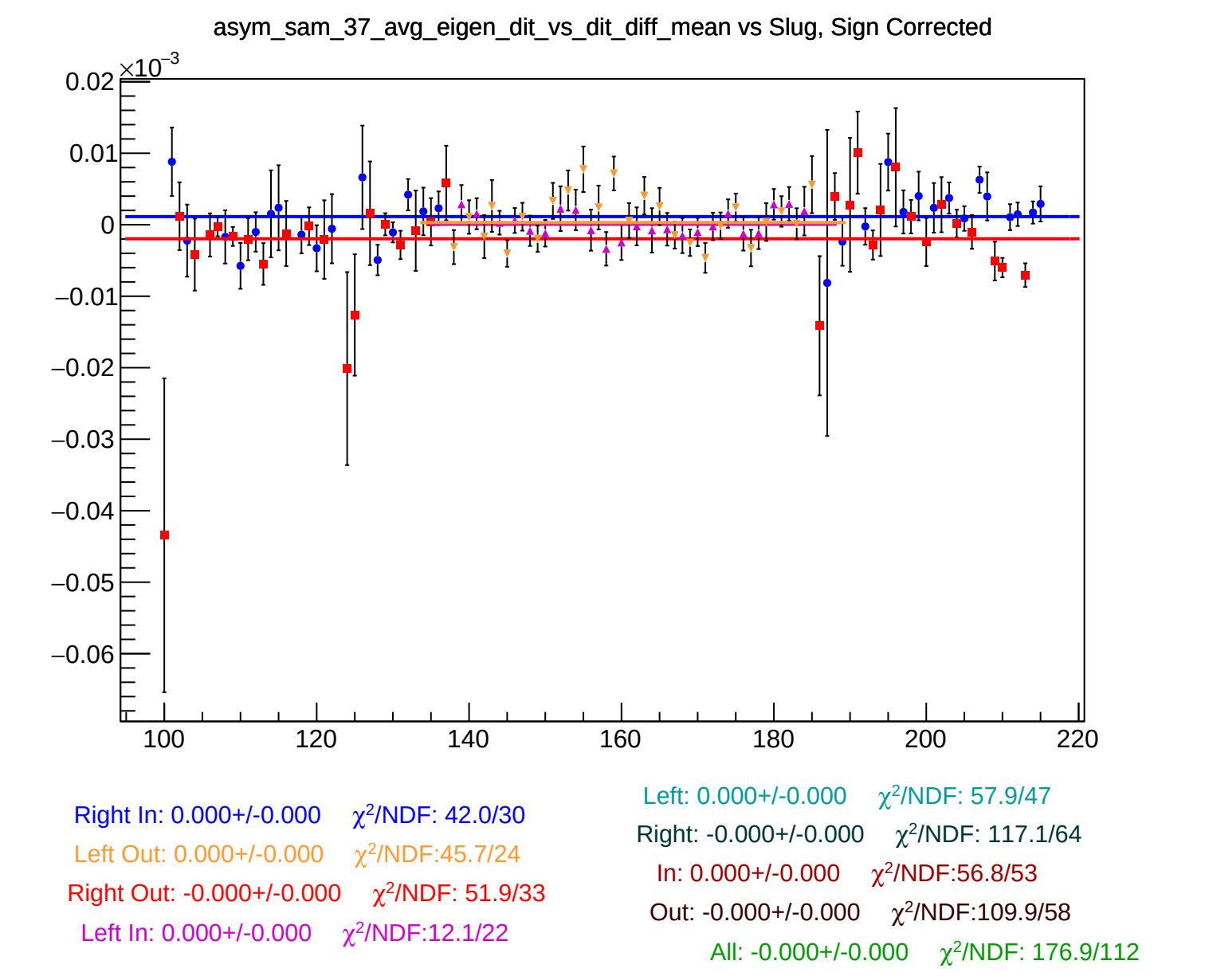
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

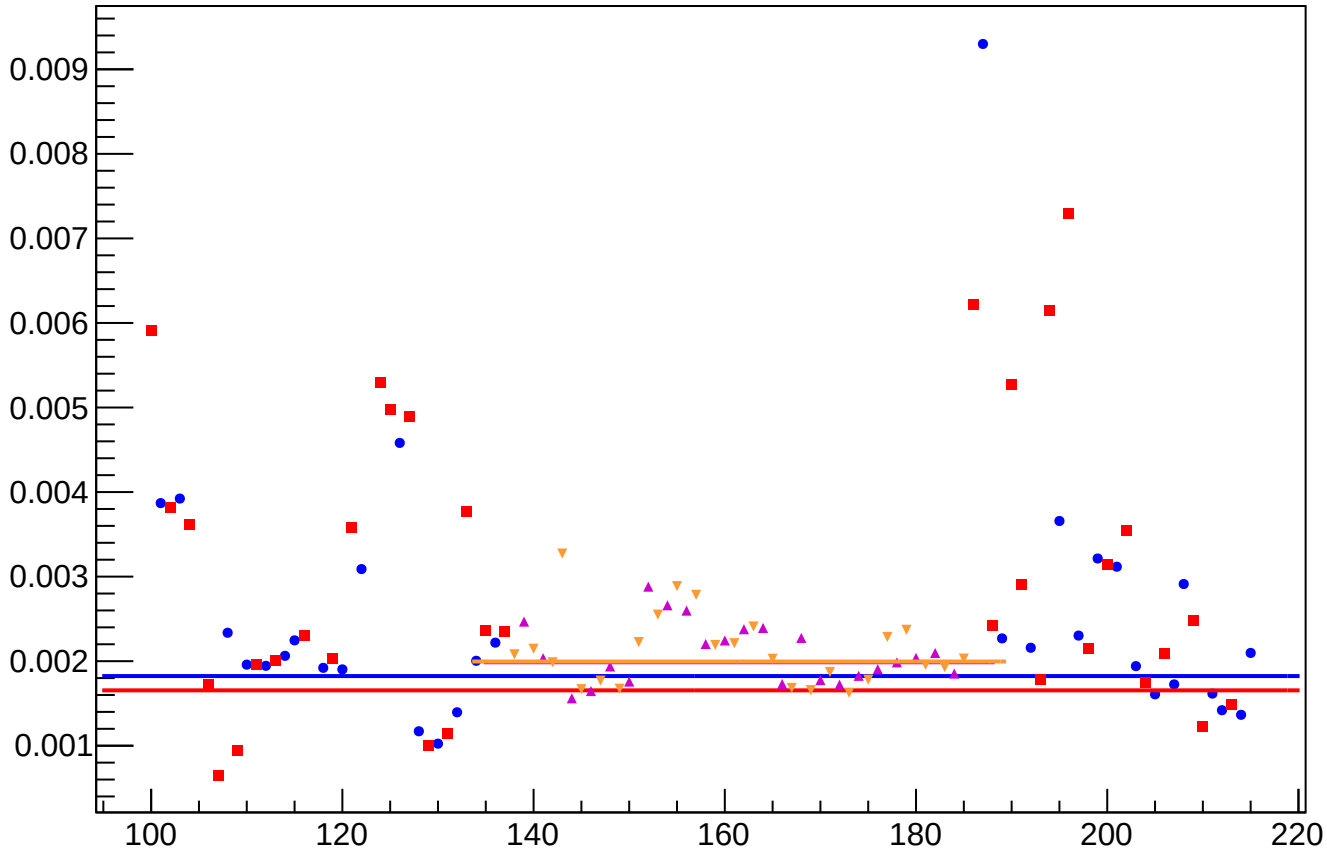
Right: 35.945+/-0.005 χ^2/NDF: 12435214.9/64

In: 27.610+/-0.004 χ^2/NDF:16163568.8/53

Out: 31.400+/-0.004 χ^2/NDF:14231842.2/58

All: 29.324+/-0.003 χ^2/NDF: 30825056.9/112


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: 42.0/30
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 51.9/33
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 117.1/64
In: 0.000+/-0.000 χ²/NDF:56.8/53
Out: -0.000+/-0.000 χ²/NDF:109.9/58
All: -0.000+/-0.000 χ²/NDF: 176.9/112



Right In: 0.002+/-0.000 χ^2/NDF: 4169645.8/30

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8974923.4/33

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

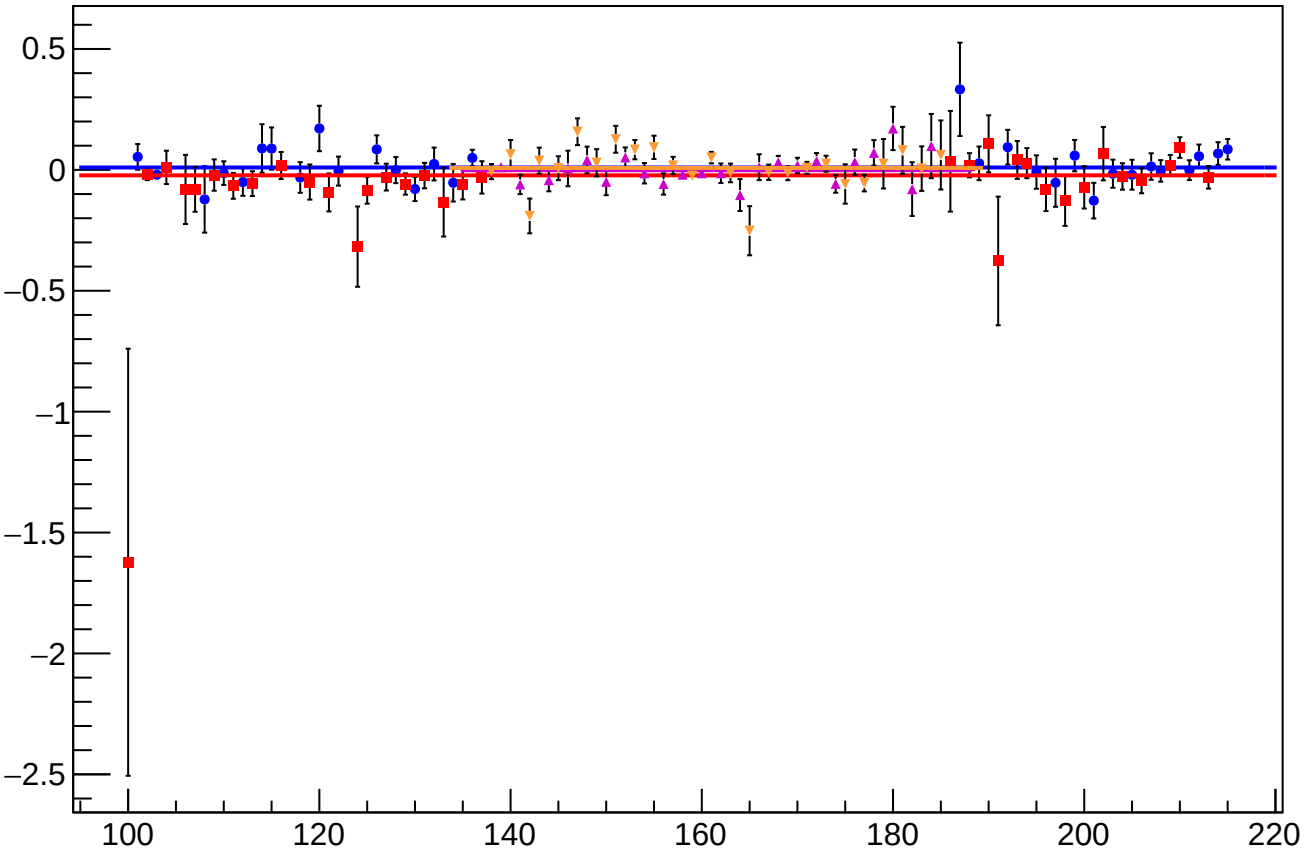
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 13282252.8/64

In: 0.002+/-0.000 χ^2/NDF:5216097.5/53

Out: 0.002+/-0.000 χ^2/NDF:10706409.0/58

All: 0.002+/-0.000 χ^2/NDF: 15986410.2/112



Right In: 0.010+/-0.009 χ^2/NDF: 32.0/30

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.023+/-0.010 χ^2/NDF: 28.6/33

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

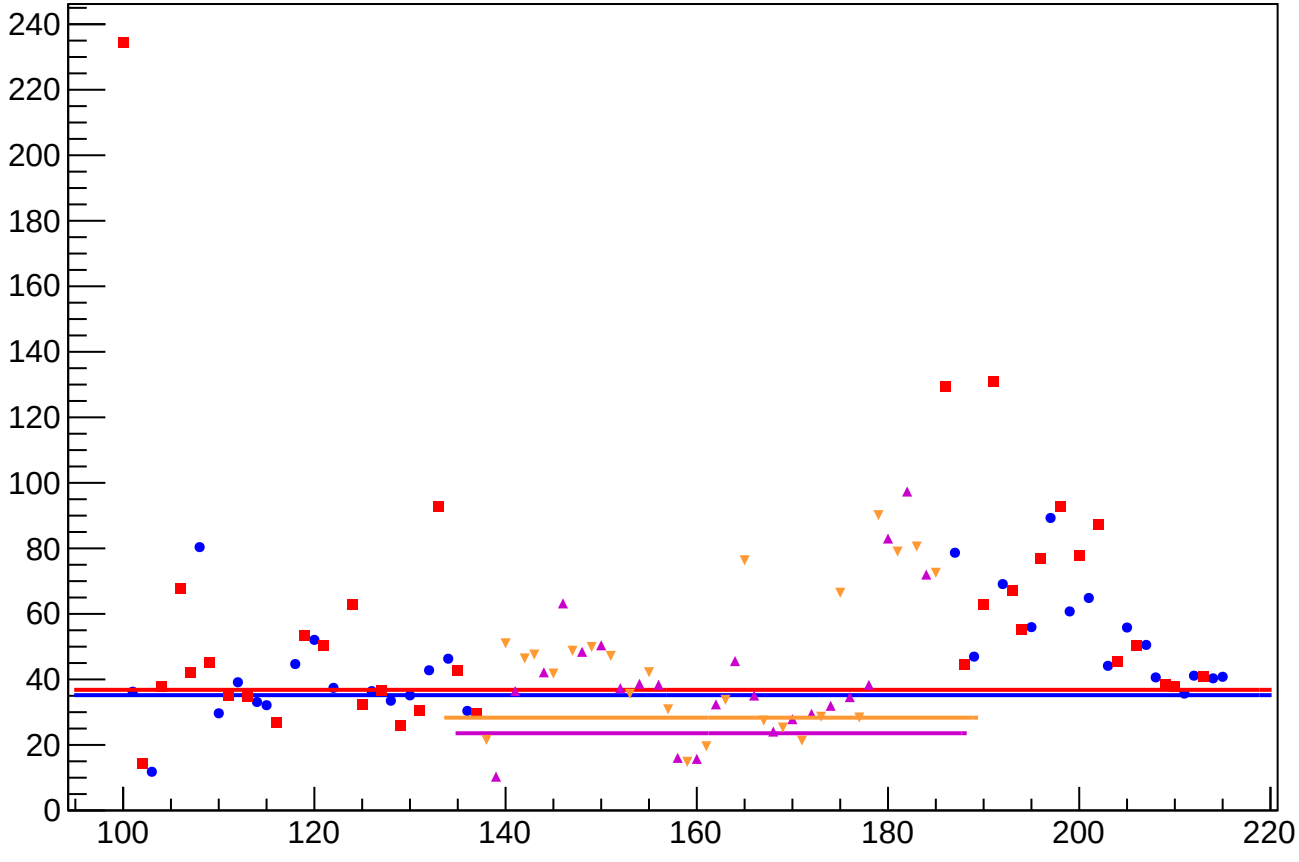
Right: -0.005+/-0.007 χ^2/NDF: 66.3/64

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.000+/-0.004 χ^2/NDF: 140.7/112

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.194+/-0.007 χ^2/NDF: 5874060.6/30

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.821+/-0.007 χ^2/NDF: 6532349.6/33

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

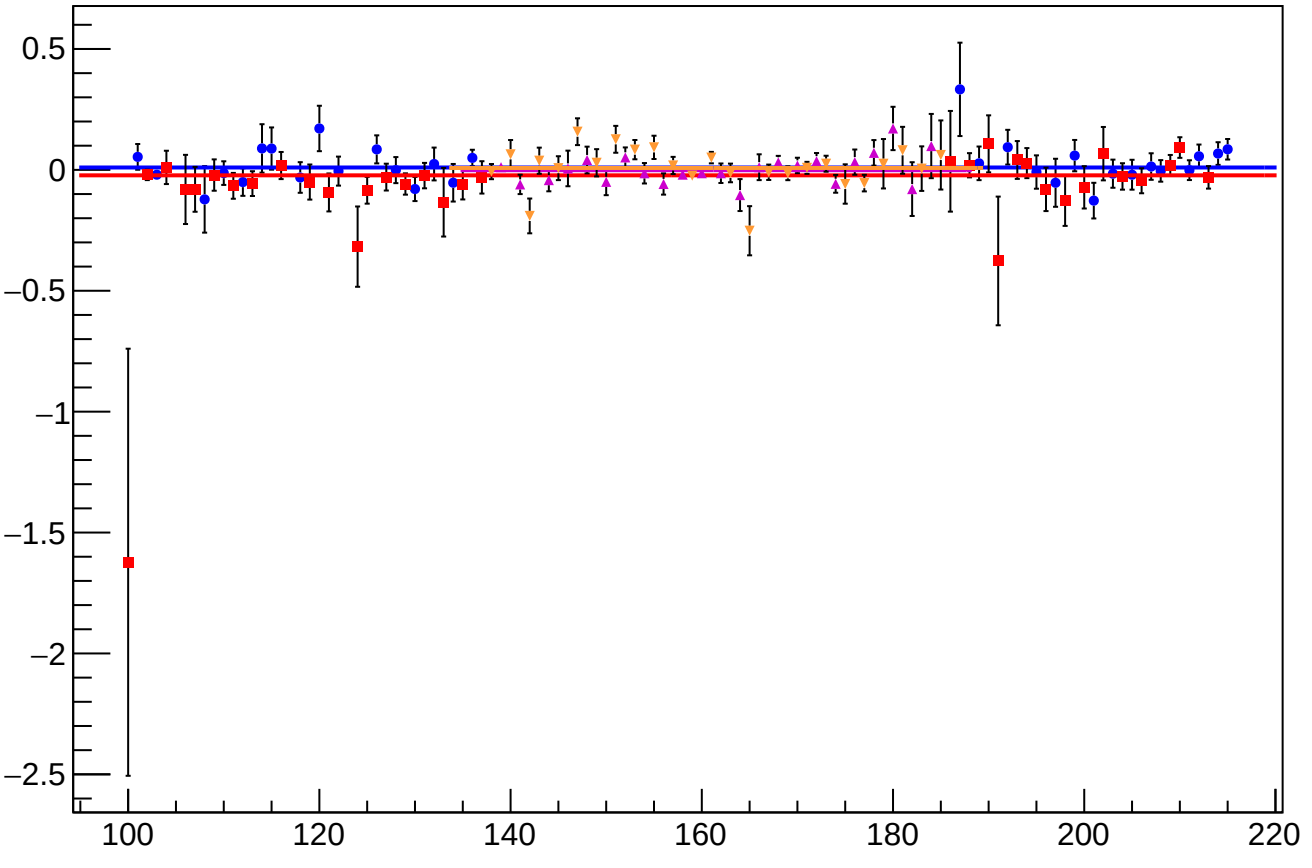
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.946+/-0.005 χ^2/NDF: 12434554.1/64

In: 27.609+/-0.004 χ^2/NDF:16165324.0/53

Out: 31.401+/-0.004 χ^2/NDF:14231630.9/58

All: 29.324+/-0.003 χ^2/NDF: 30826941.6/112



Right In: 0.010+/-0.009 χ^2/NDF: 32.0/30

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.023+/-0.010 χ^2/NDF: 28.6/33

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

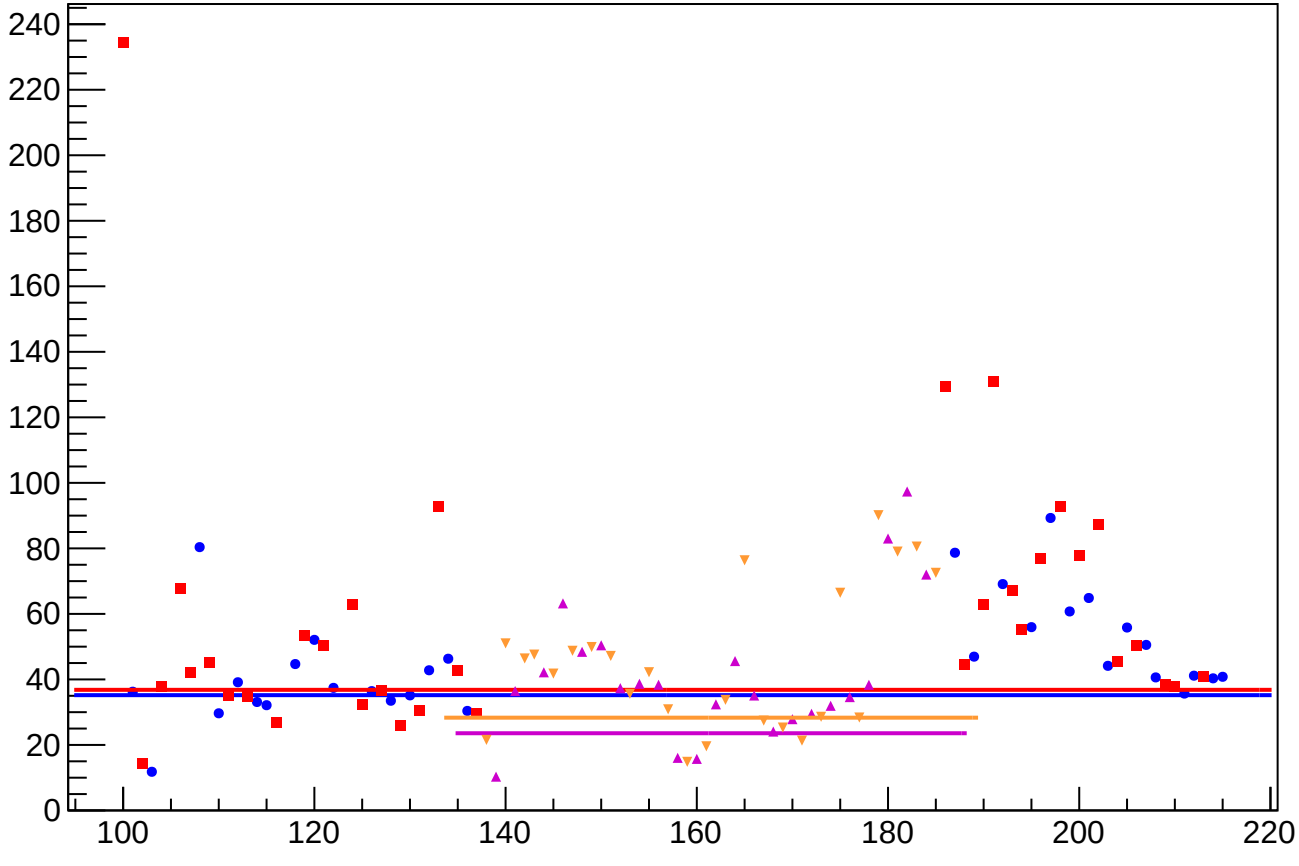
Right: -0.005+/-0.007 χ^2/NDF: 66.3/64

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: -0.003+/-0.006 χ^2/NDF:82.1/58

All: -0.000+/-0.004 χ^2/NDF: 140.7/112

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.194+/-0.007 χ^2/NDF: 5874060.6/30

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.821+/-0.007 χ^2/NDF: 6532349.6/33

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

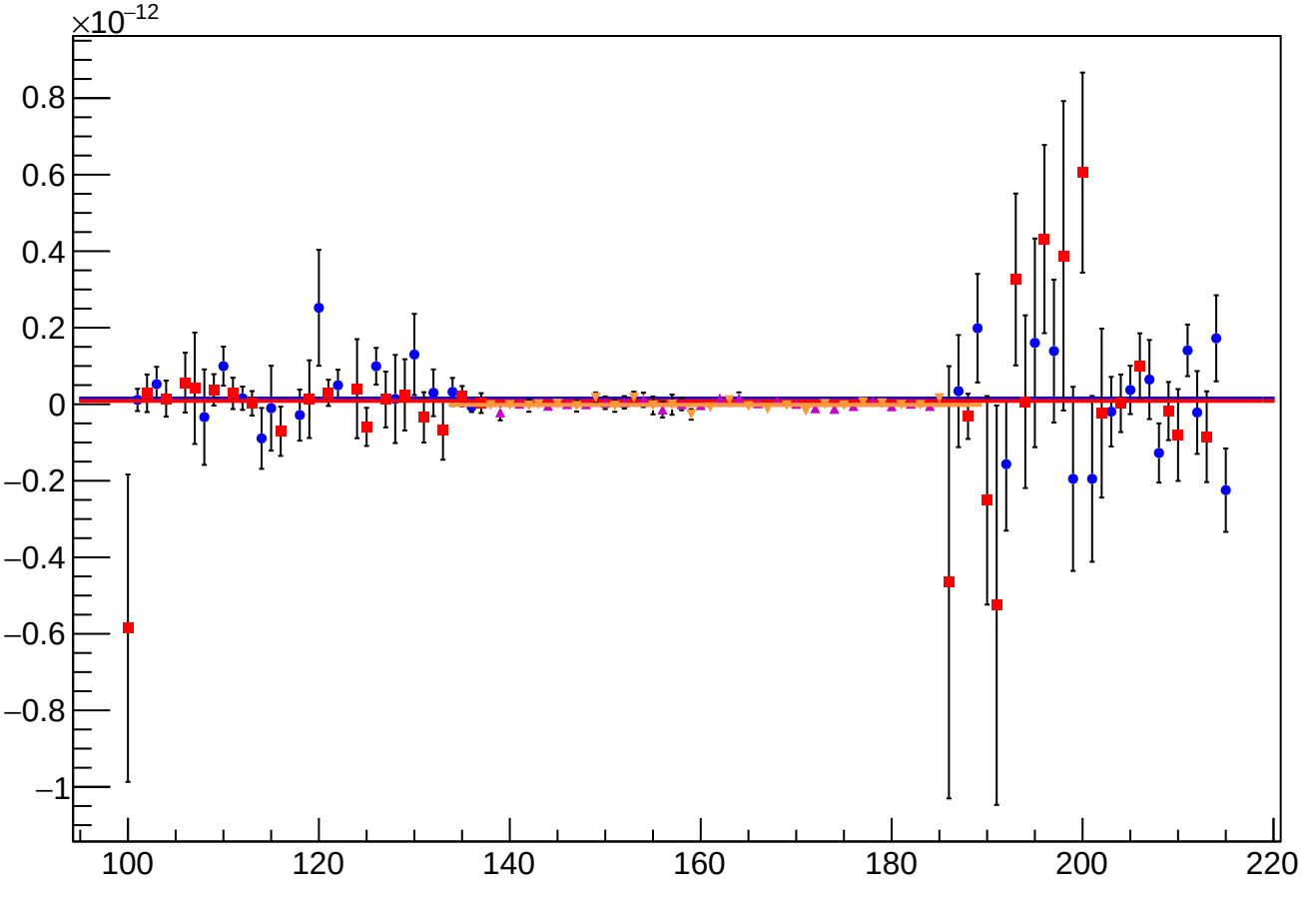
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.946+/-0.005 χ^2/NDF: 12434554.1/64

In: 27.609+/-0.004 χ^2/NDF:16165324.0/53

Out: 31.401+/-0.004 χ^2/NDF:14231630.9/58

All: 29.324+/-0.003 χ^2/NDF: 30826941.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/33

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

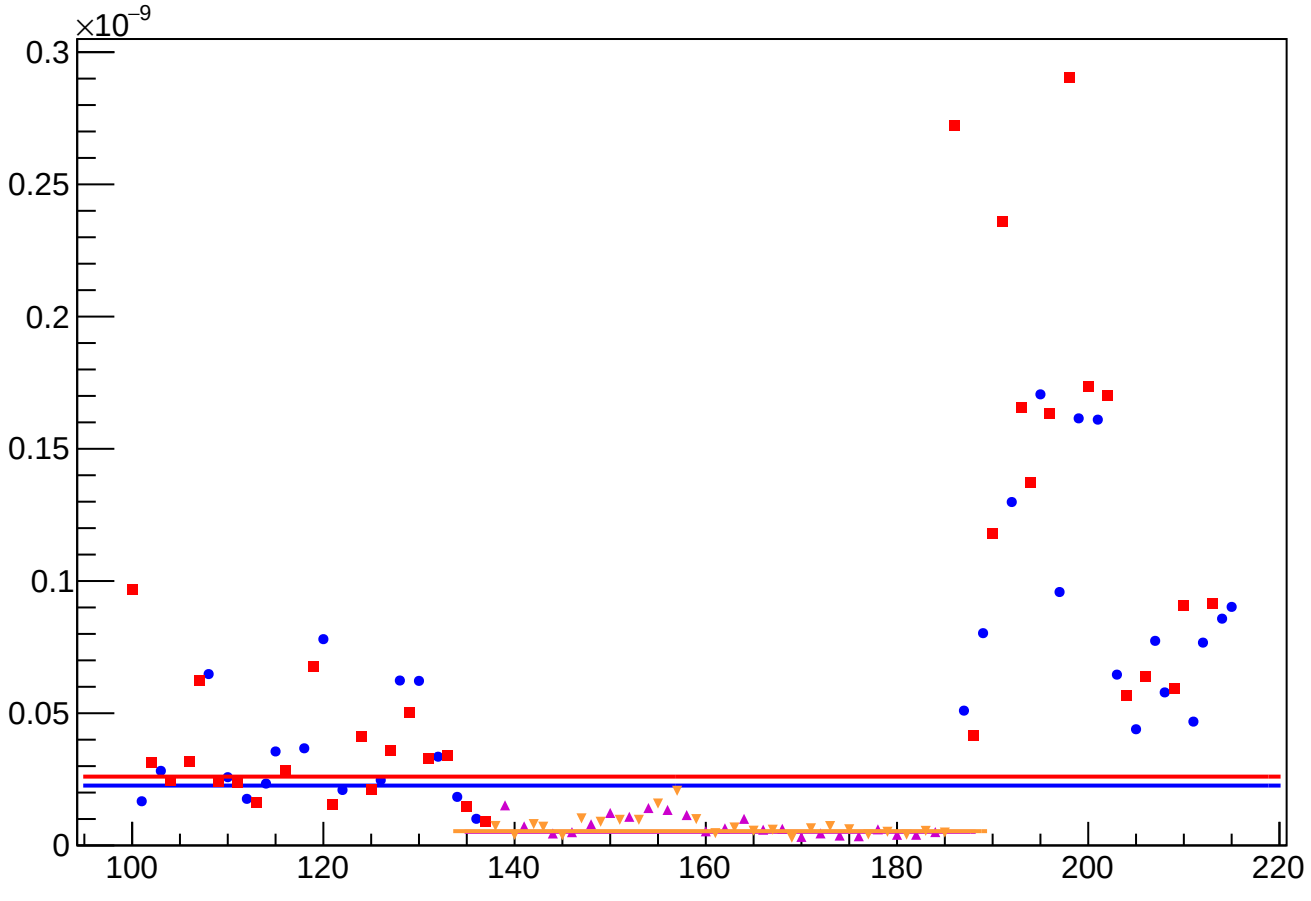
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.1/64

In: -0.000+/-0.000 χ^2/NDF:54.4/53

Out: -0.000+/-0.000 χ^2/NDF:44.2/58

All: -0.000+/-0.000 χ^2/NDF: 98.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 10396178.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10033525.9/33

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

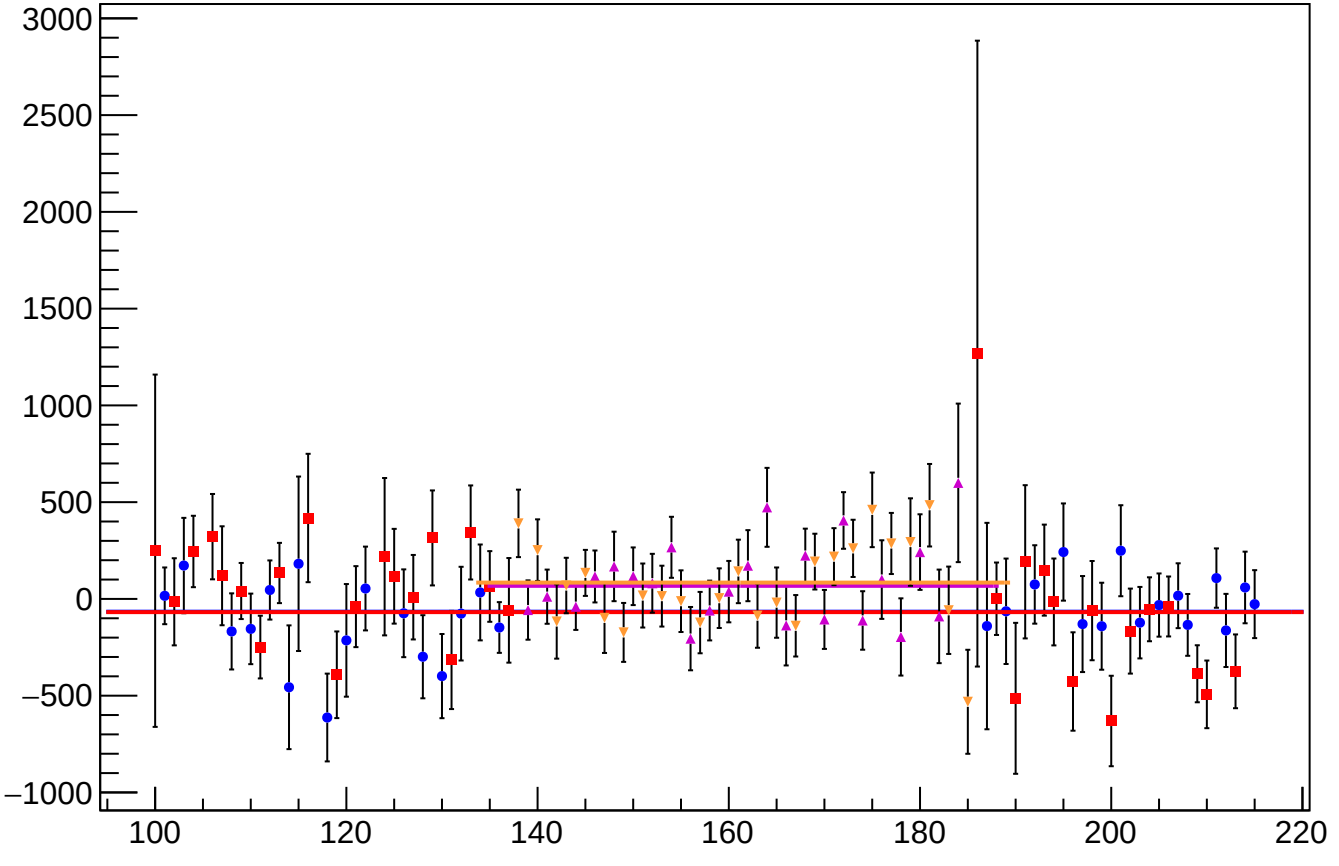
Right: 0.000+/-0.000 χ^2/NDF: 20554228.1/64

In: 0.000+/-0.000 χ^2/NDF:21149250.5/53

Out: 0.000+/-0.000 χ^2/NDF:20996304.6/58

All: 0.000+/-0.000 χ^2/NDF: 42159410.4/112

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -65.999+/-36.083 χ^2/NDF: 21.1/30

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -68.210+/-36.869 χ^2/NDF: 47.1/33

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

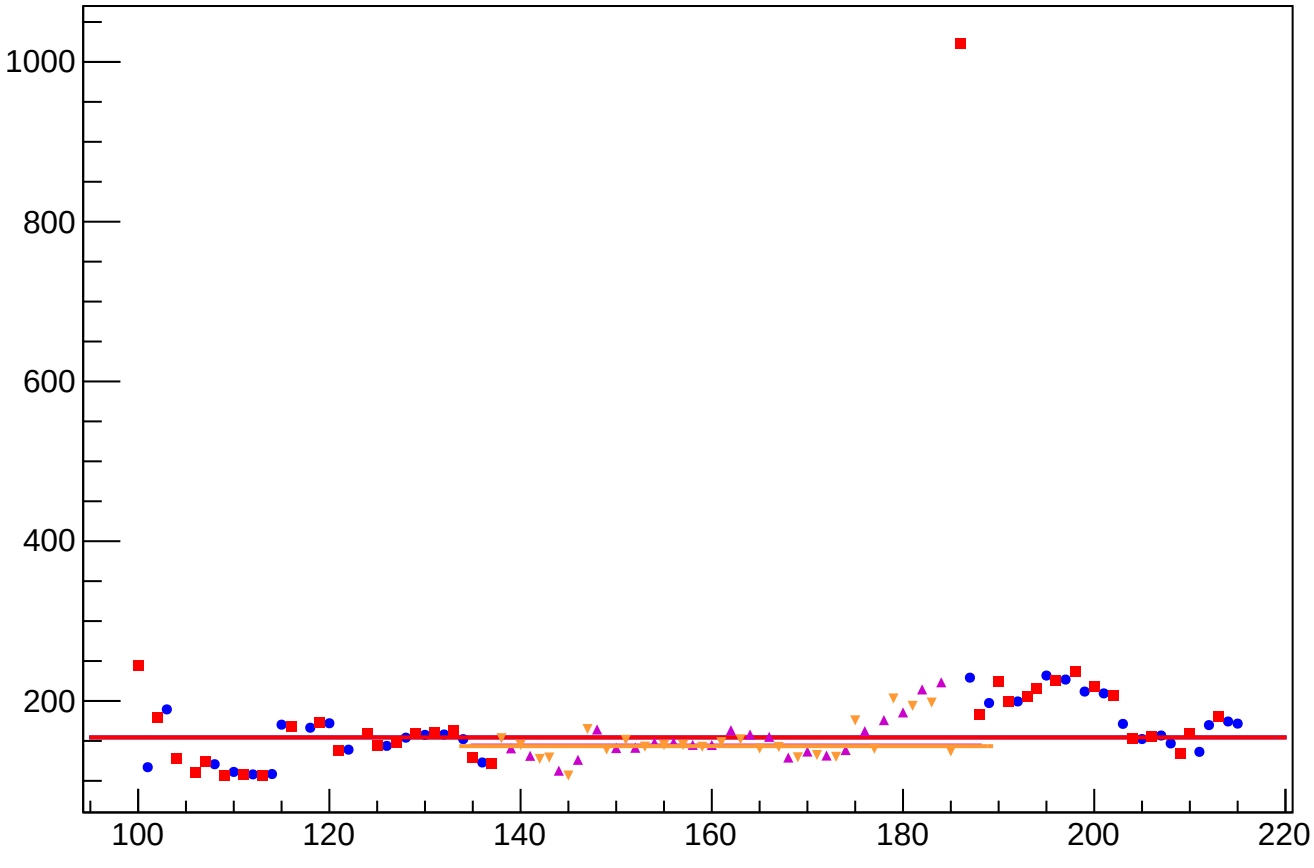
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -67.081+/-25.788 χ^2/NDF: 68.2/64

In: 4.524+/-24.798 χ^2/NDF:54.9/53

Out: 16.397+/-24.604 χ^2/NDF:90.4/58

All: 10.508+/-17.466 χ^2/NDF: 145.4/112



Right In: 154.360+/-0.026 χ^2/NDF: 1605700.4/30

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.372+/-0.026 χ^2/NDF: 2516995.6/33

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

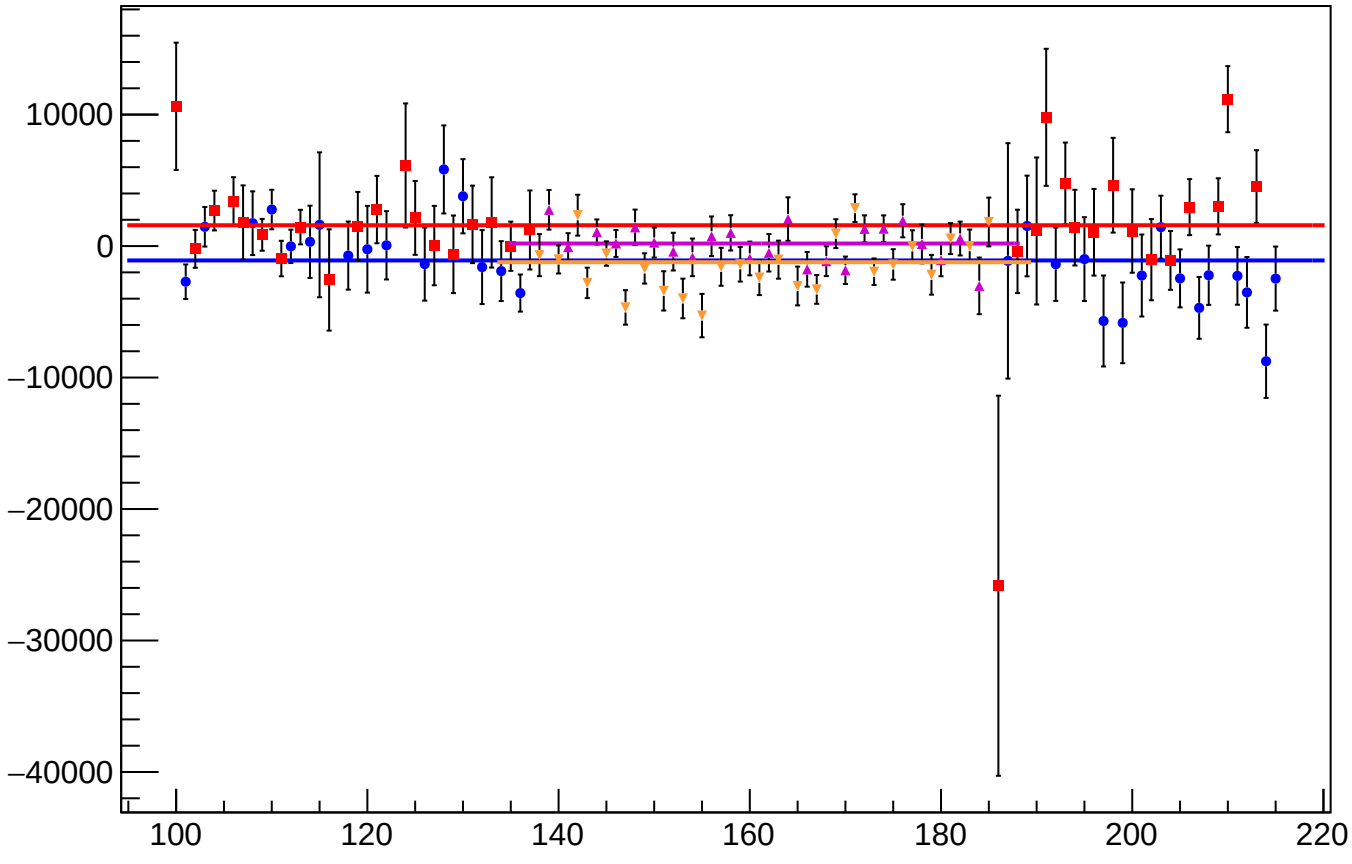
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 154.365+/-0.018 χ^2/NDF: 4122696.1/64

In: 148.983+/-0.018 χ^2/NDF:2392568.8/53

Out: 148.310+/-0.017 χ^2/NDF:3361497.8/58

All: 148.644+/-0.012 χ^2/NDF: 5754808.5/112



Right In: -1092.782+/-408.963 χ^2/NDF: 42.3/30

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1584.823+/-399.780 χ^2/NDF: 41.4/33

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

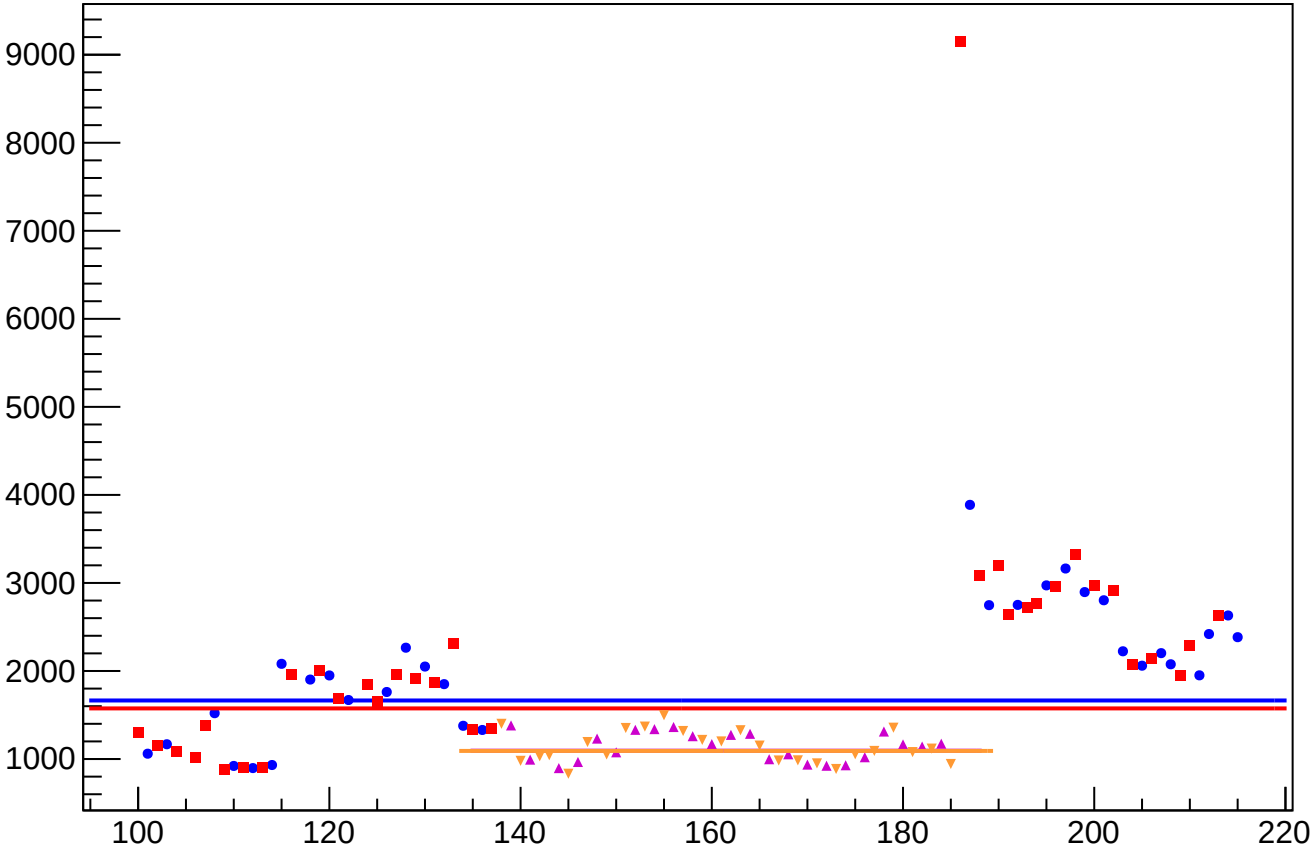
Right: 276.420+/-285.878 χ^2/NDF: 105.6/64

In: -174.341+/-218.763 χ^2/NDF:72.7/53

Out: -427.109+/-213.041 χ^2/NDF:136.0/58

All: -304.074+/-152.626 χ^2/NDF: 209.4/112

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1665.017+/-0.289 χ^2/NDF: 5151119.2/30

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1574.845+/-0.283 χ^2/NDF: 6772405.7/33

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

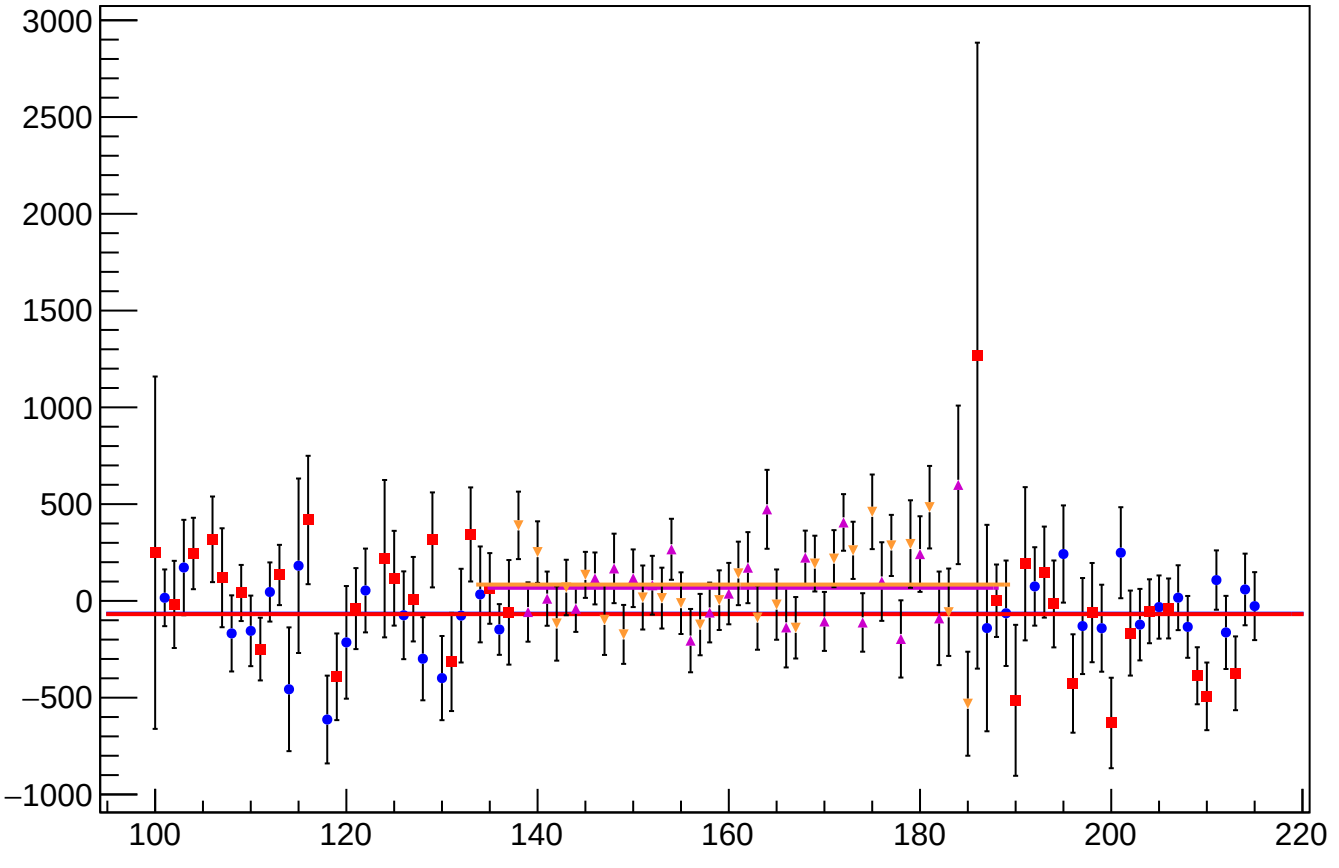
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1618.907+/-0.202 χ^2/NDF: 11973244.8/64

In: 1257.733+/-0.155 χ^2/NDF:8662816.9/53

Out: 1229.102+/-0.151 χ^2/NDF:9753988.0/58

All: 1243.038+/-0.108 χ^2/NDF: 18434387.7/1



Right In: -66.007+/-36.083 χ^2/NDF: 21.1/30

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -68.463+/-36.873 χ^2/NDF: 47.0/33

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

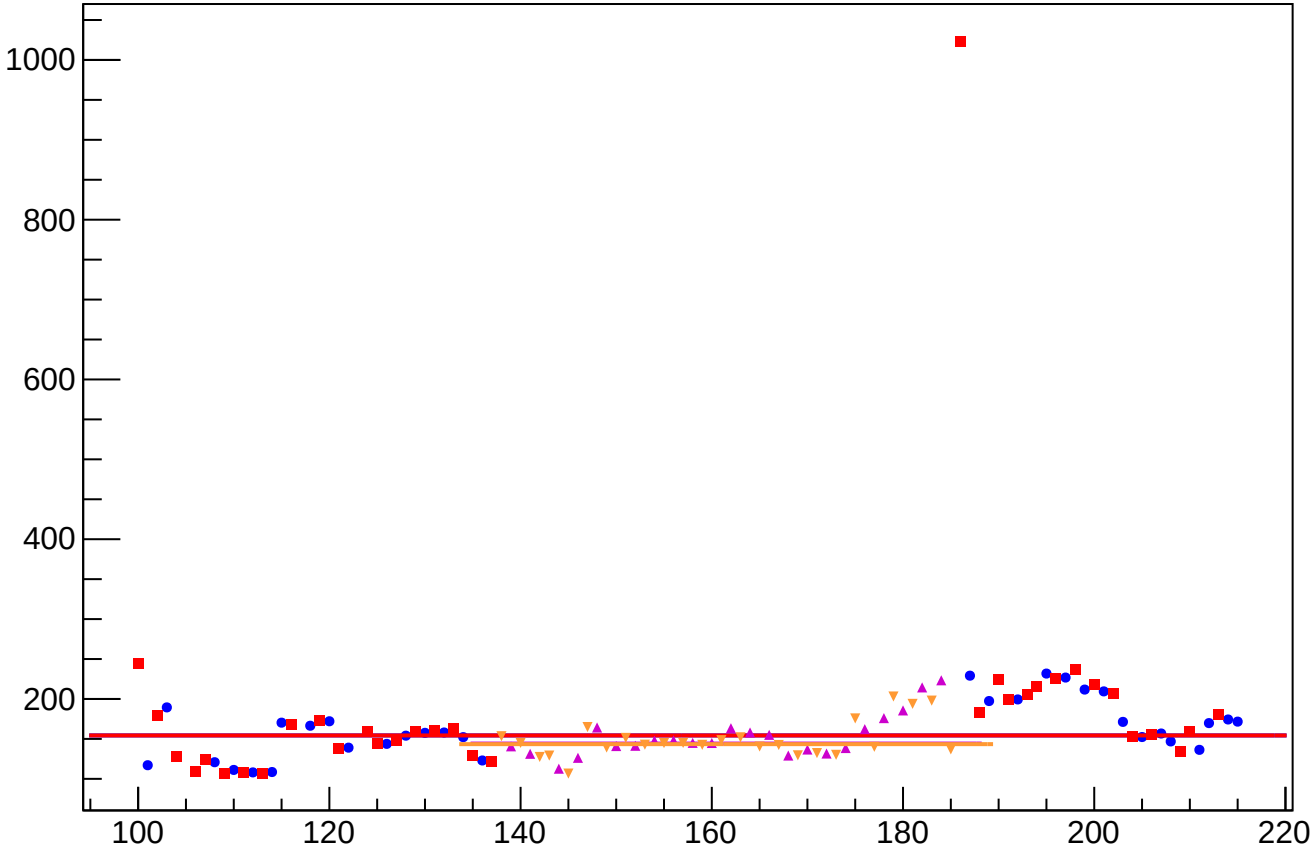
Right: -67.208+/-25.789 χ^2/NDF: 68.2/64

In: 4.522+/-24.798 χ^2/NDF:54.9/53

Out: 16.300+/-24.605 χ^2/NDF:90.4/58

All: 10.457+/-17.466 χ^2/NDF: 145.4/112

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 154.360+/-0.026 χ^2/NDF: 1605702.6/30

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.336+/-0.026 χ^2/NDF: 2522478.4/33

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

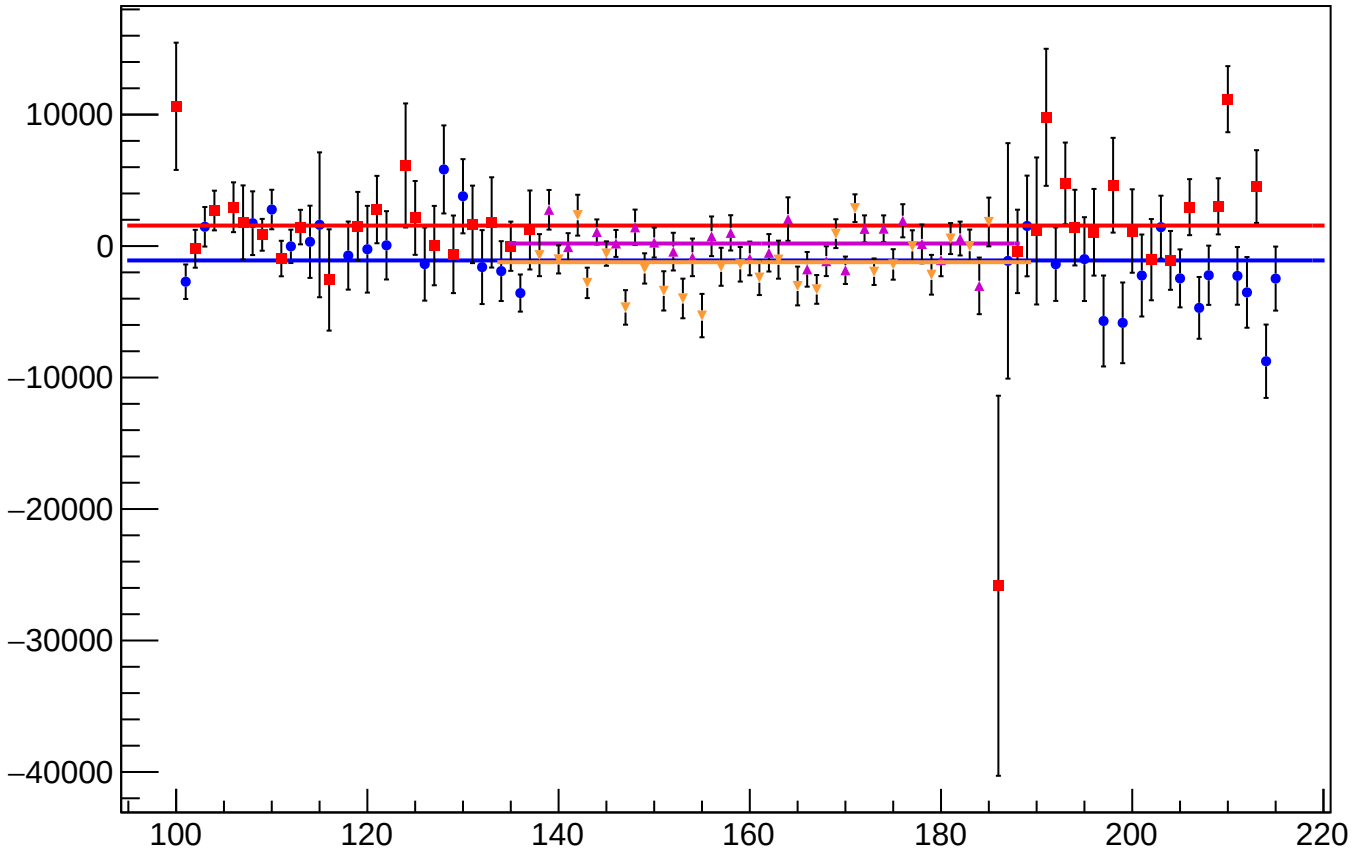
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 154.348+/-0.018 χ^2/NDF: 4128181.4/64

In: 148.983+/-0.018 χ^2/NDF:2392571.4/53

Out: 148.294+/-0.017 χ^2/NDF:3366342.7/58

All: 148.636+/-0.012 χ^2/NDF: 5759692.1/112



Right In: -1092.837+/-408.965 χ^2/NDF: 42.3/30

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1560.457+/-400.354 χ^2/NDF: 40.9/33

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

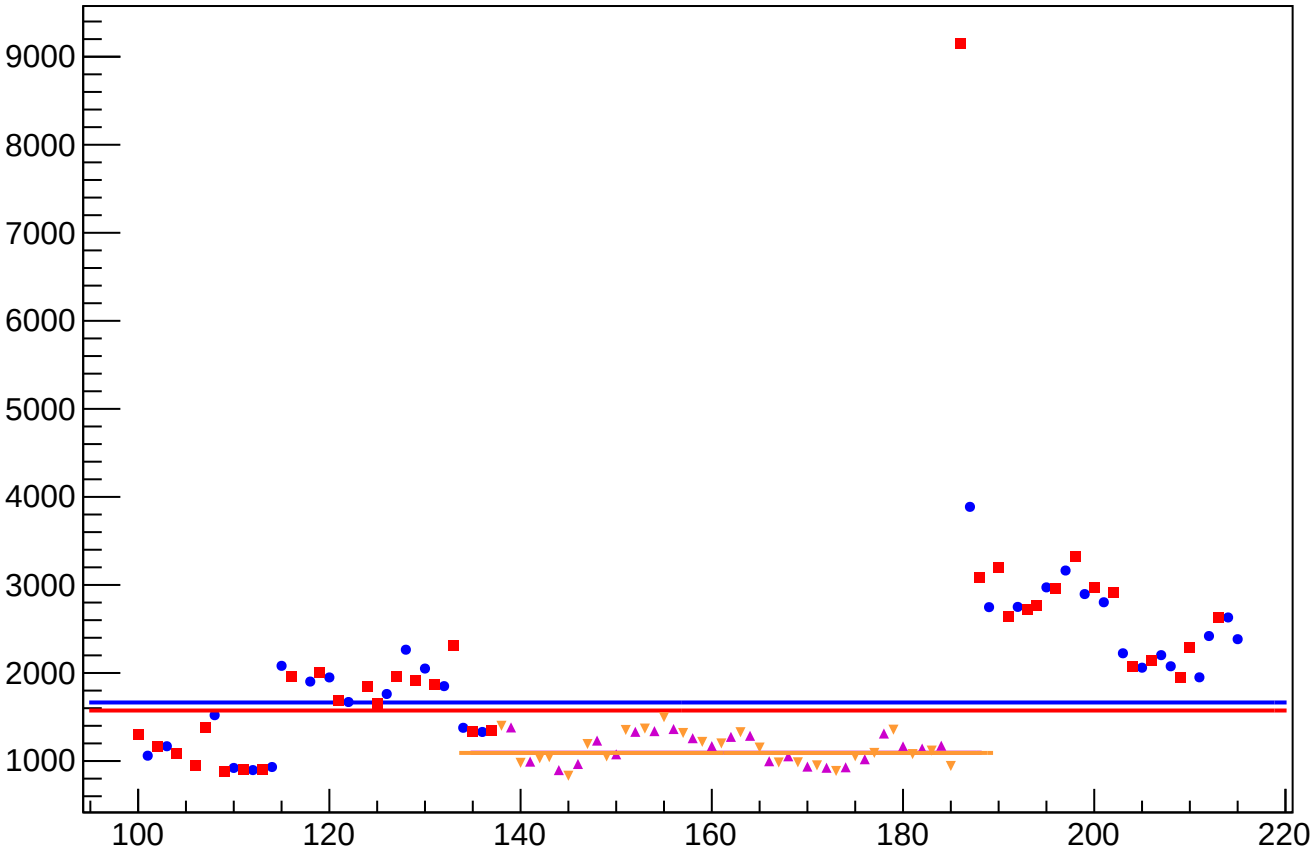
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 262.039+/-286.089 χ^2/NDF: 104.7/64

In: -174.351+/-218.764 χ^2/NDF:72.7/53

Out: -435.640+/-213.127 χ^2/NDF:134.9/58

All: -308.405+/-152.658 χ^2/NDF: 208.3/112



Right In: 1665.031+/-0.289 χ^2/NDF: 5150991.2/30

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1573.723+/-0.283 χ^2/NDF: 6801517.5/33

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

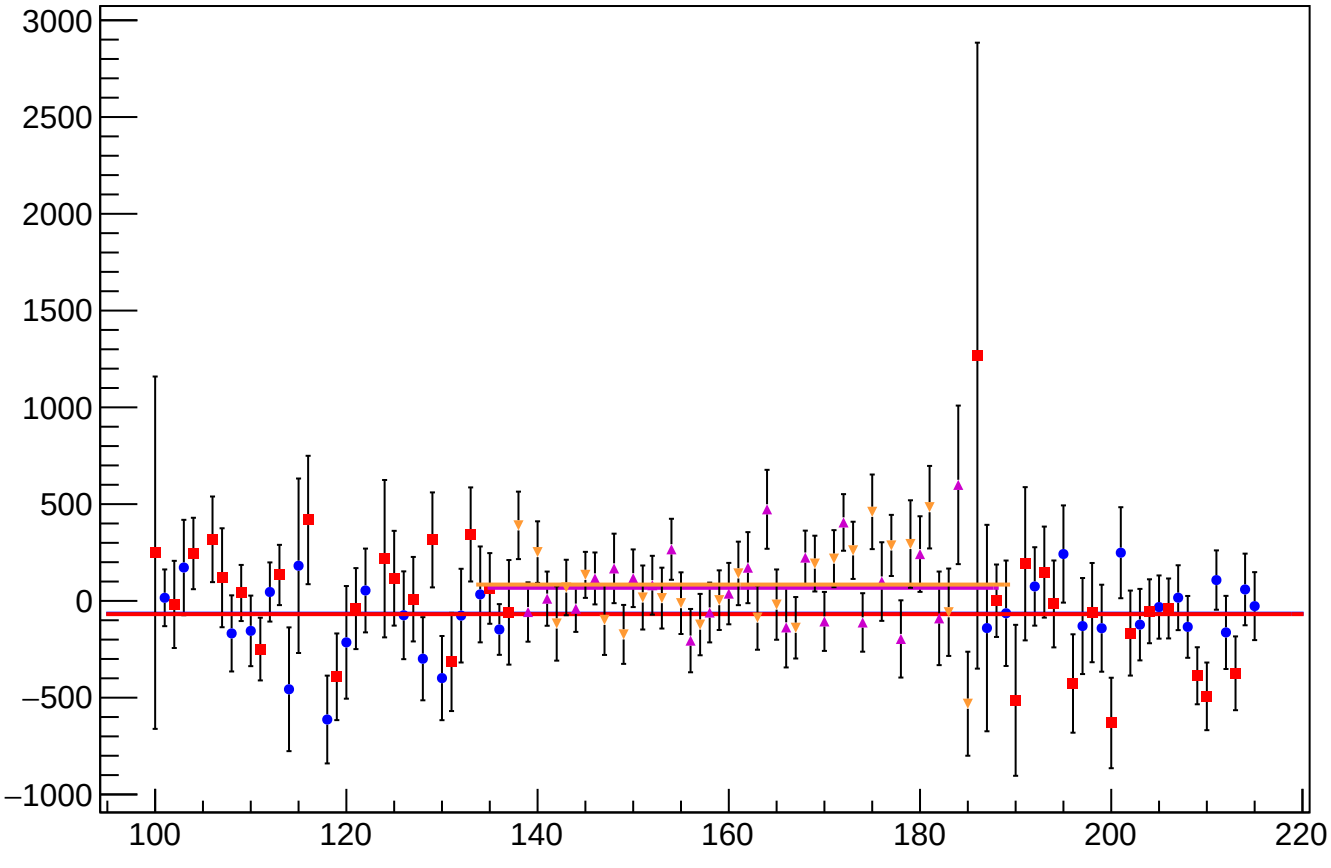
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1618.406+/-0.202 χ^2/NDF: 12003417.4/64

In: 1257.736+/-0.155 χ^2/NDF:8662797.5/53

Out: 1228.503+/-0.151 χ^2/NDF:9769133.7/58

All: 1242.738+/-0.108 χ^2/NDF: 18450254.1/



Right In: -66.007+/-36.083 χ^2/NDF: 21.1/30

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -68.463+/-36.873 χ^2/NDF: 47.0/33

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

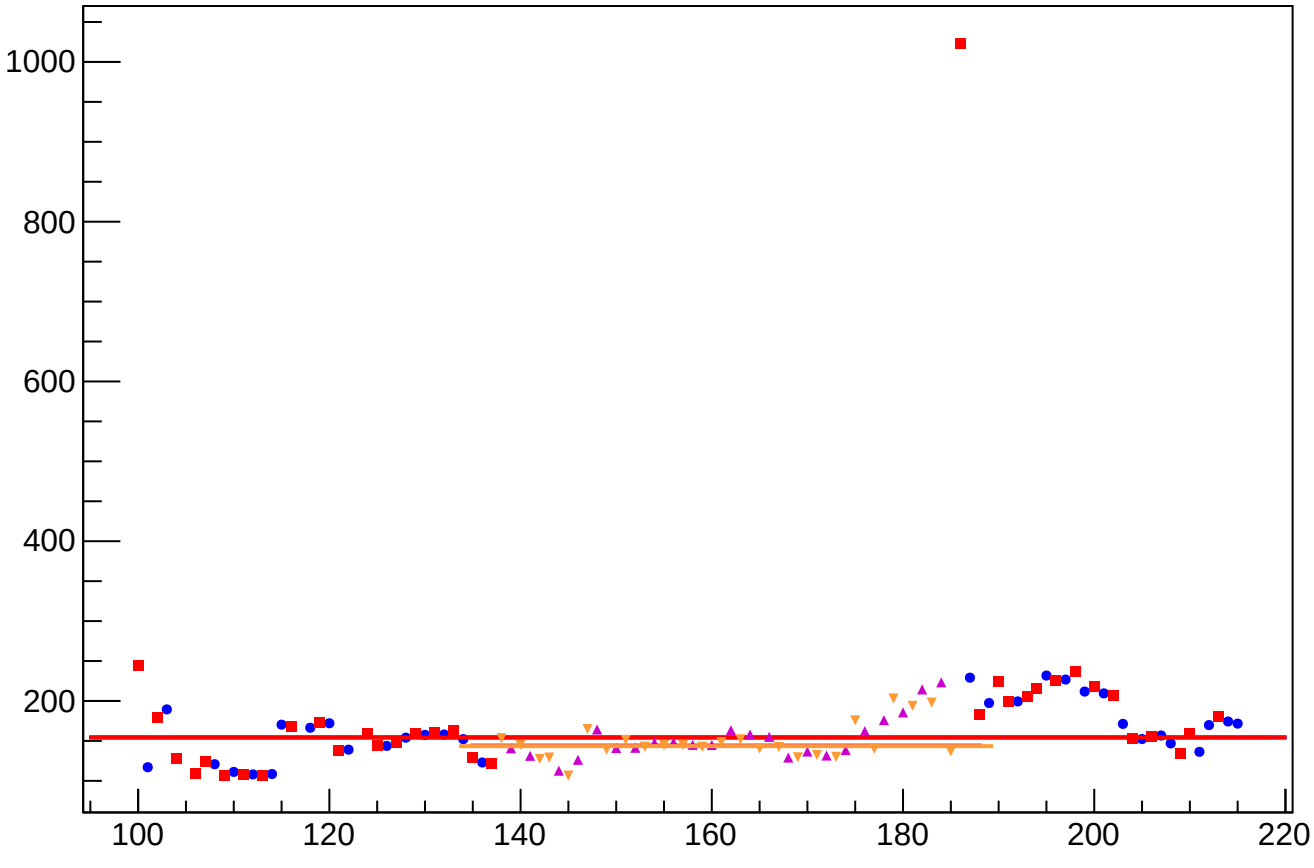
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -67.208+/-25.789 χ^2/NDF: 68.2/64

In: 4.522+/-24.798 χ^2/NDF:54.9/53

Out: 16.300+/-24.605 χ^2/NDF:90.4/58

All: 10.457+/-17.466 χ^2/NDF: 145.4/112



Right In: 154.360+/-0.026 χ^2/NDF: 1605702.6/30

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.336+/-0.026 χ^2/NDF: 2522478.4/33

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

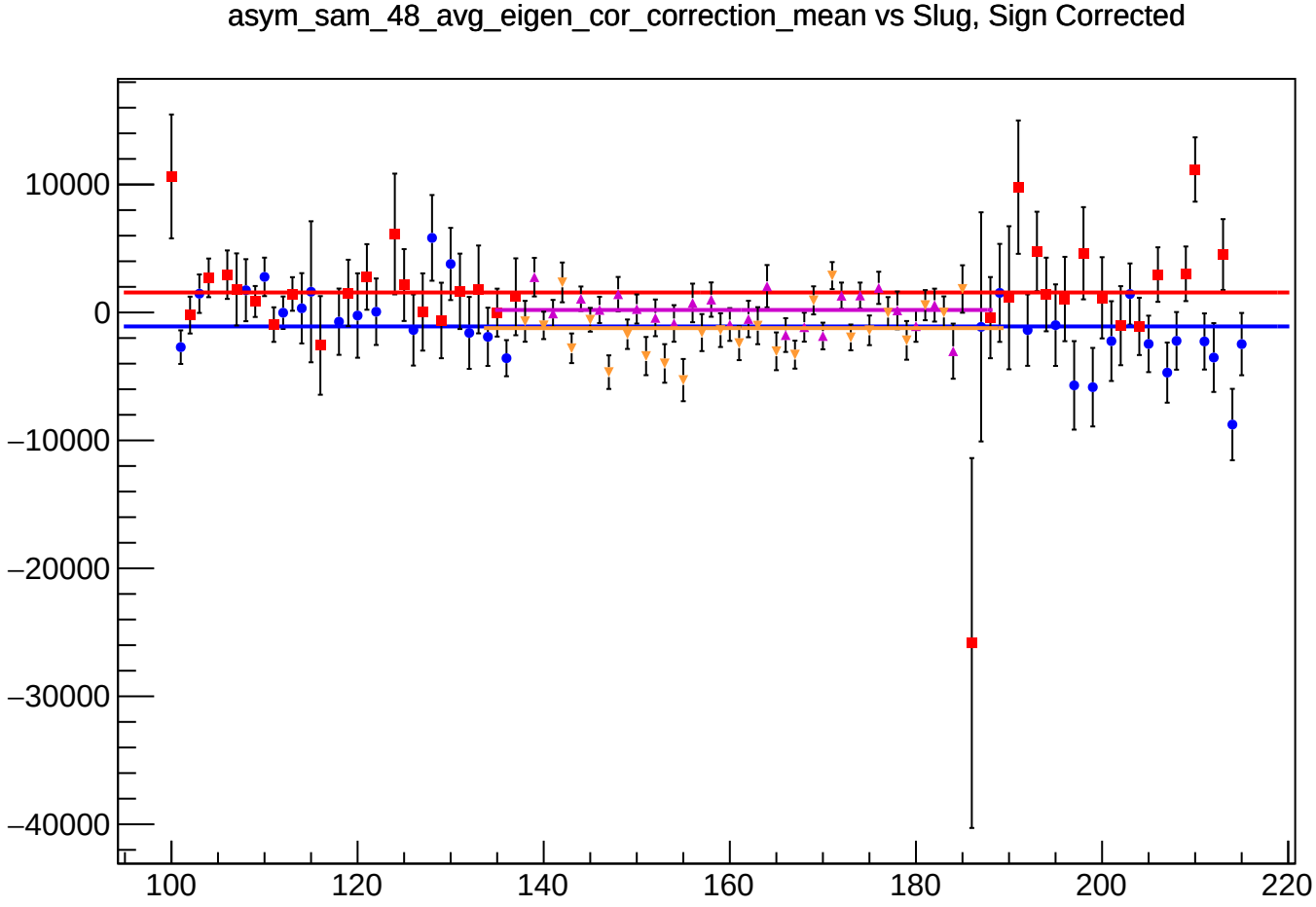
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 154.348+/-0.018 χ^2/NDF: 4128181.4/64

In: 148.983+/-0.018 χ^2/NDF:2392571.4/53

Out: 148.294+/-0.017 χ^2/NDF:3366342.7/58

All: 148.636+/-0.012 χ^2/NDF: 5759692.1/112



Right In: -1092.837+/-408.965 χ^2/NDF: 42.3/30

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1560.457+/-400.354 χ^2/NDF: 40.9/33

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

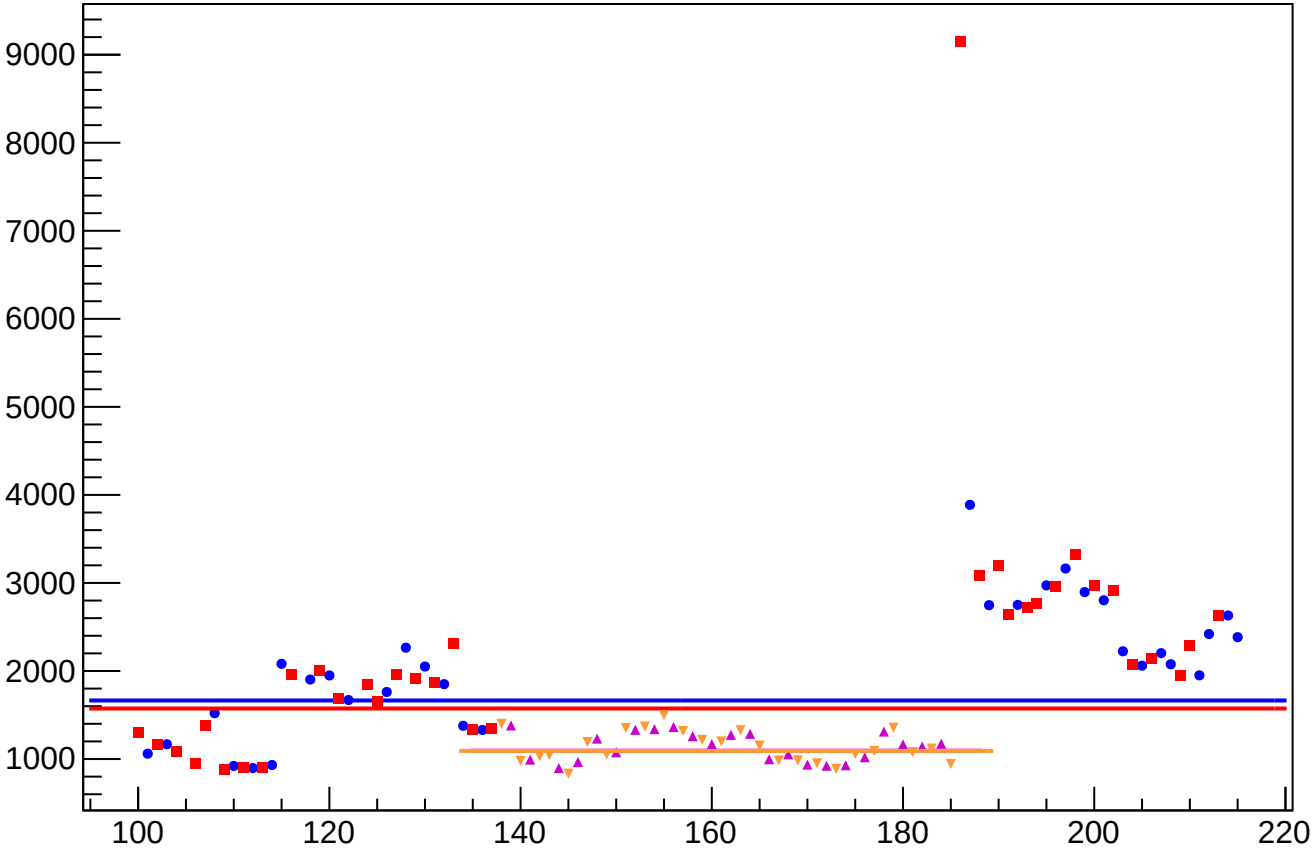
Right: 262.039+/-286.089 χ^2/NDF: 104.7/64

In: -174.351+/-218.764 χ^2/NDF:72.7/53

Out: -435.640+/-213.127 χ^2/NDF:134.9/58

All: -308.405+/-152.658 χ^2/NDF: 208.3/112

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1665.031+/-0.289 χ^2/NDF: 5150991.2/30

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1573.723+/-0.283 χ^2/NDF: 6801517.5/33

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

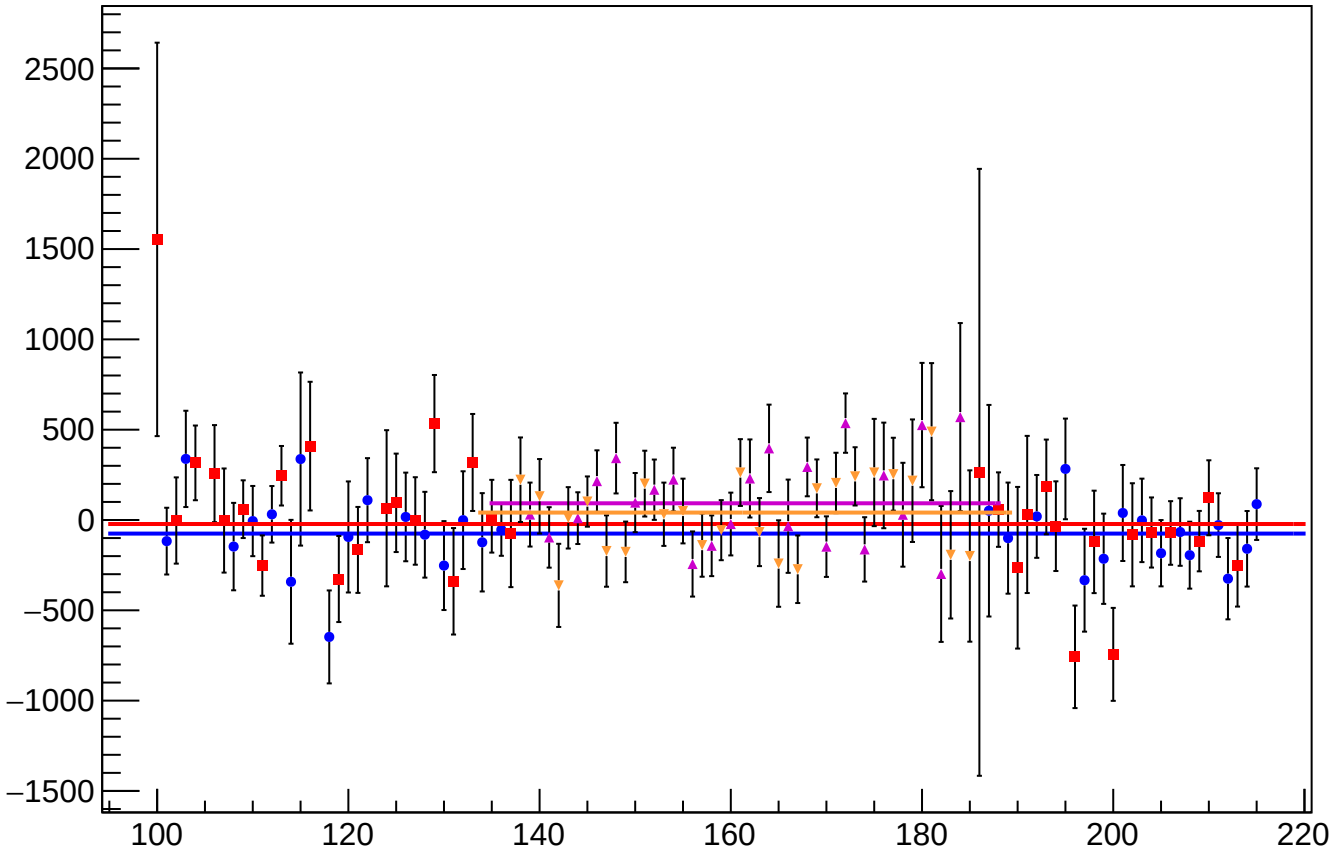
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1618.406+/-0.202 χ^2/NDF: 12003417.4/64

In: 1257.736+/-0.155 χ^2/NDF:8662797.5/53

Out: 1228.503+/-0.151 χ^2/NDF:9769133.7/58

All: 1242.738+/-0.108 χ^2/NDF: 18450254.1/



Right In: -75.225+/-40.659 χ^2/NDF: 17.1/30

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -22.198+/-41.234 χ^2/NDF: 39.3/33

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

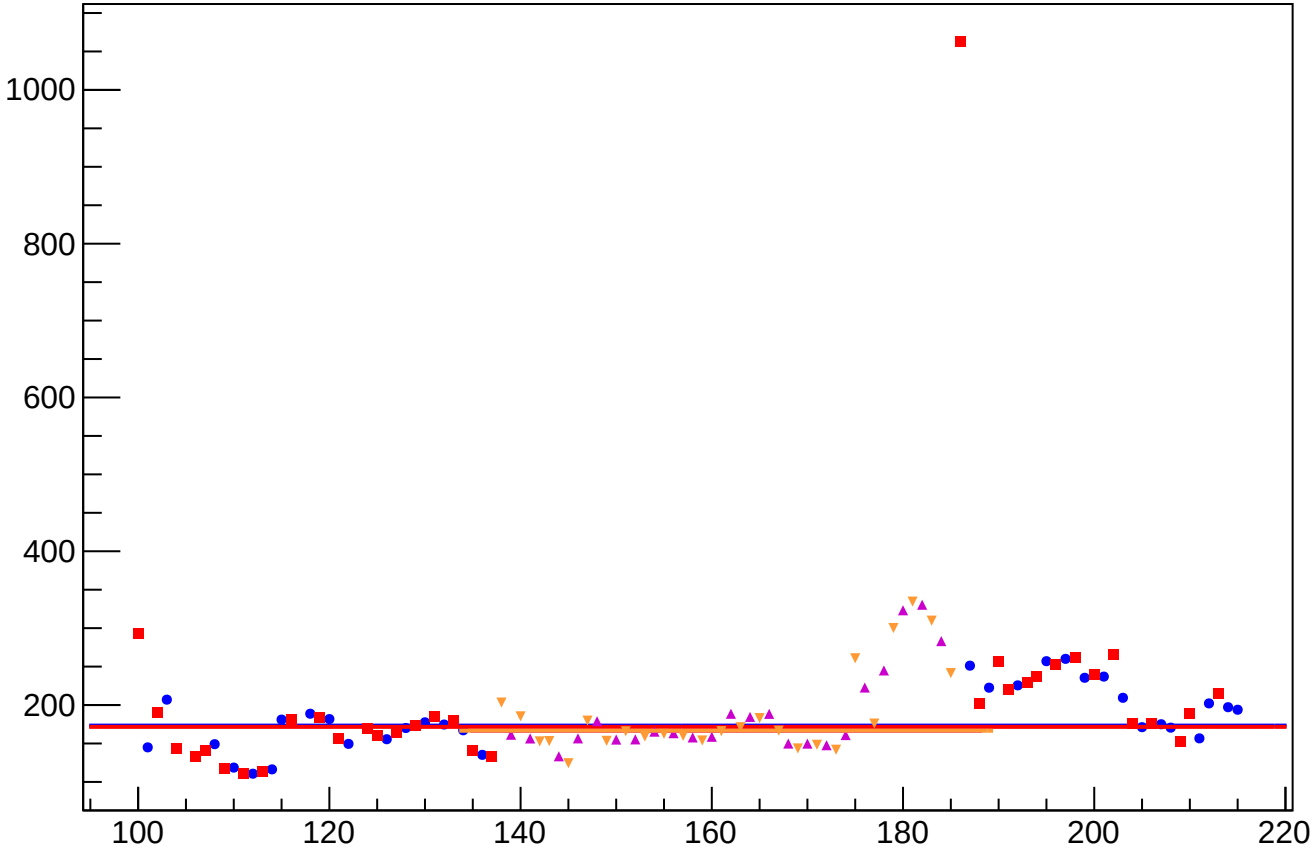
Right: -49.084+/-28.951 χ^2/NDF: 57.2/64

In: 9.690+/-28.574 χ^2/NDF:55.2/53

Out: 11.062+/-28.402 χ^2/NDF:62.9/58

All: 10.380+/-20.144 χ^2/NDF: 118.0/112

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 173.247+/-0.029 χ^2/NDF: 1757662.7/30

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 171.621+/-0.029 χ^2/NDF: 2757446.7/33

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

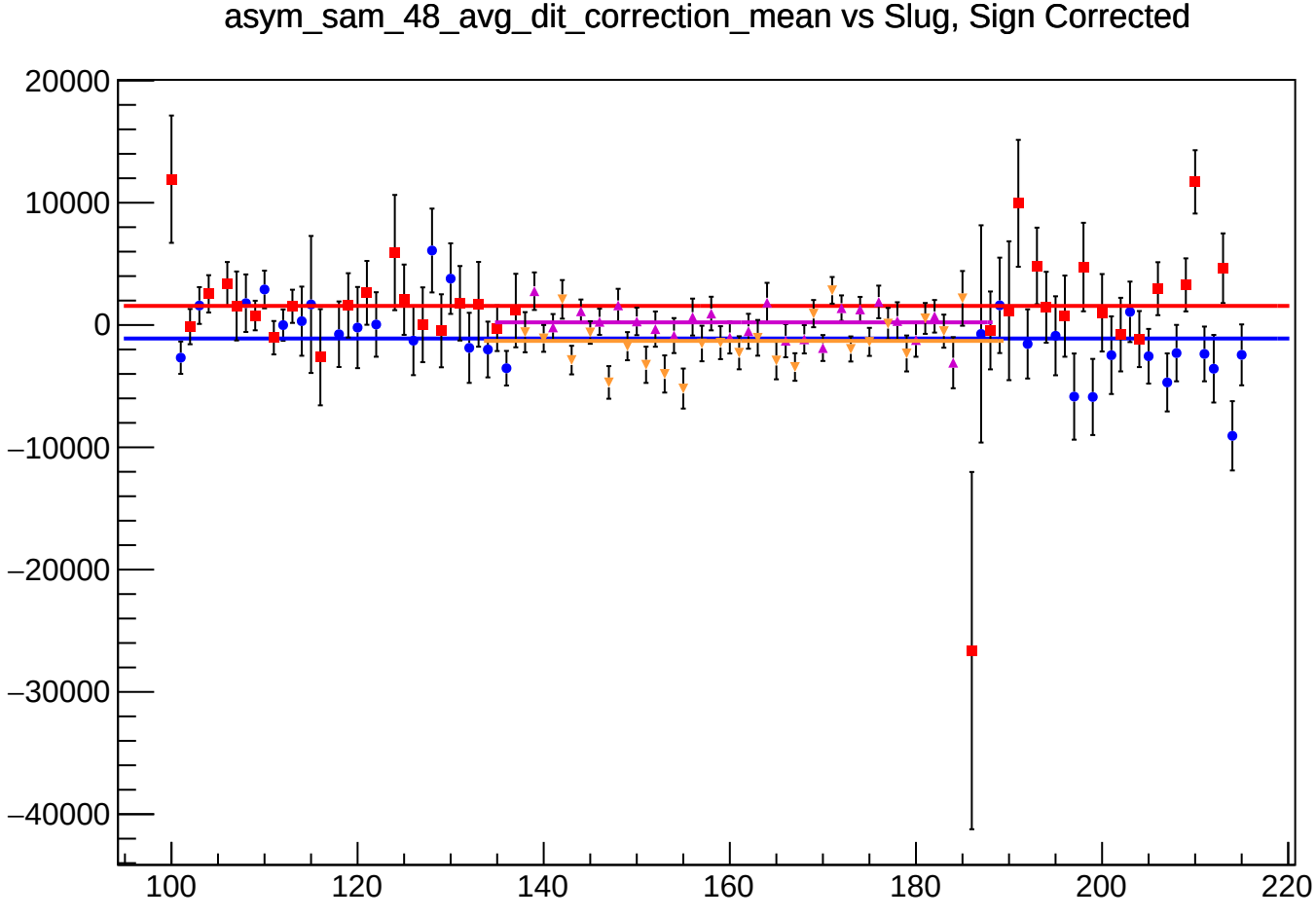
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 172.445+/-0.020 χ^2/NDF: 4516687.3/64

In: 169.735+/-0.020 χ^2/NDF:3179611.9/53

Out: 168.981+/-0.020 χ^2/NDF:4492875.7/58

All: 169.356+/-0.014 χ^2/NDF: 7673188.3/112



Right In: -1102.984+/-414.138 χ^2/NDF: 42.8/30

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1562.225+/-403.862 χ^2/NDF: 42.9/33

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

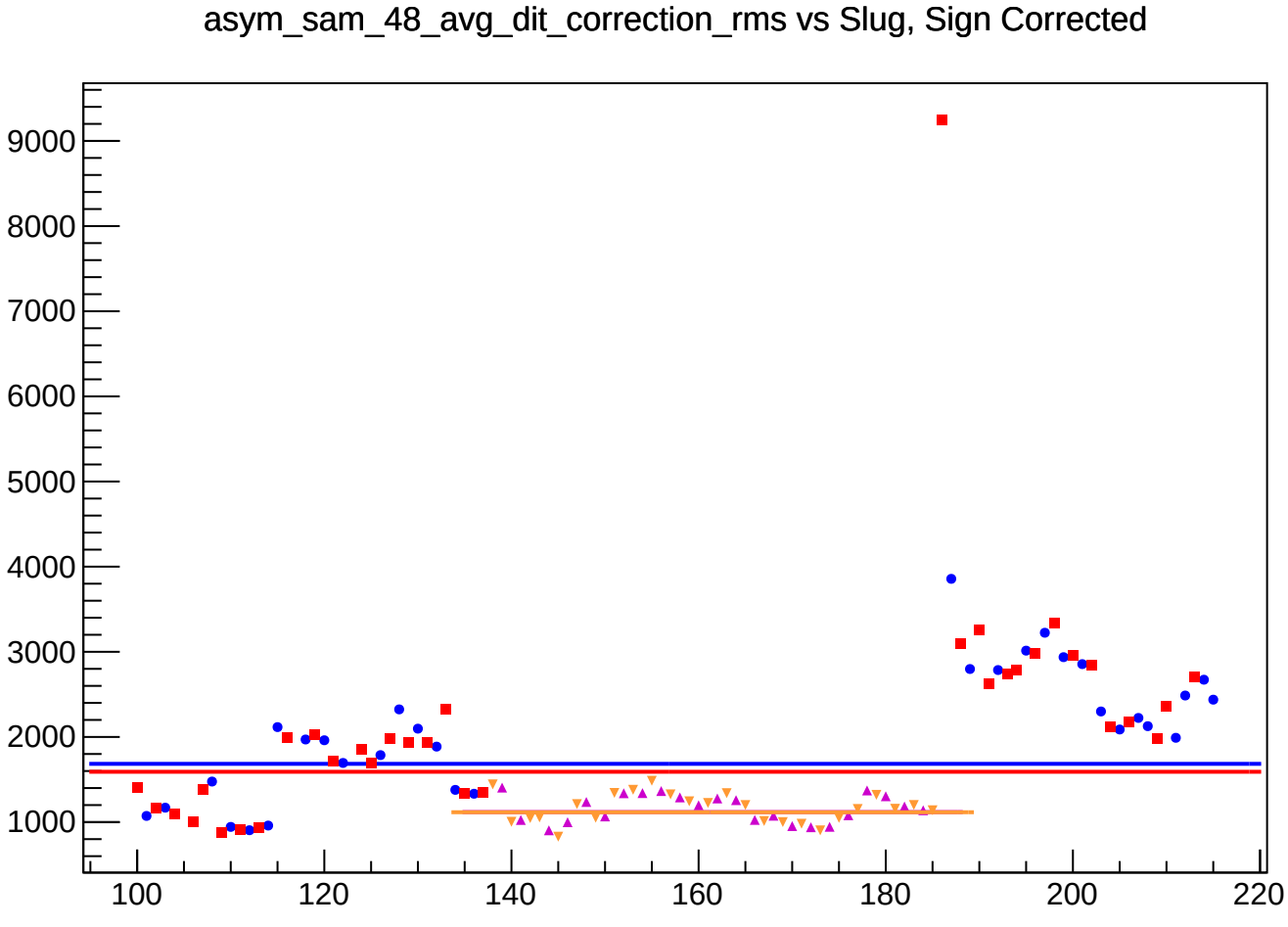
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 263.099+/-289.138 χ^2/NDF: 107.0/64

In: -165.001+/-222.848 χ^2/NDF:72.3/53

Out: -474.009+/-216.798 χ^2/NDF:133.7/58

All: -323.756+/-155.394 χ^2/NDF: 207.0/112



Right In: 1684.295+/-0.293 χ^2/NDF: 5246243.7/30

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1591.074+/-0.286 χ^2/NDF: 6788617.2/33

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

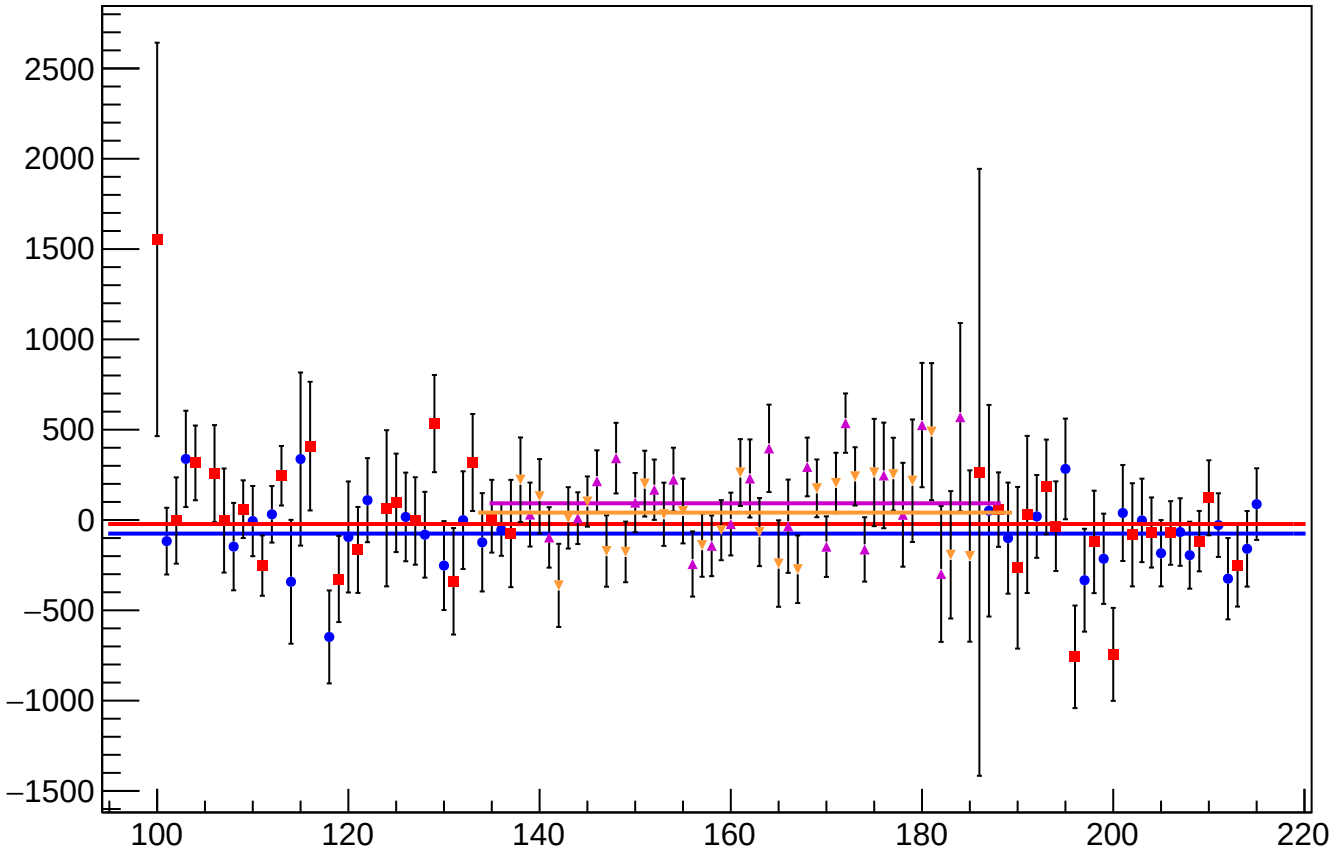
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1636.514+/-0.204 χ^2/NDF: 12086802.4/64

In: 1281.852+/-0.158 χ^2/NDF:8634007.0/53

Out: 1252.925+/-0.153 χ^2/NDF:9625819.1/58

All: 1266.991+/-0.110 χ^2/NDF: 18277138.3/1



Right In: -75.222+/-40.659 χ^2/NDF: 17.1/30

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -22.200+/-41.234 χ^2/NDF: 39.3/33

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

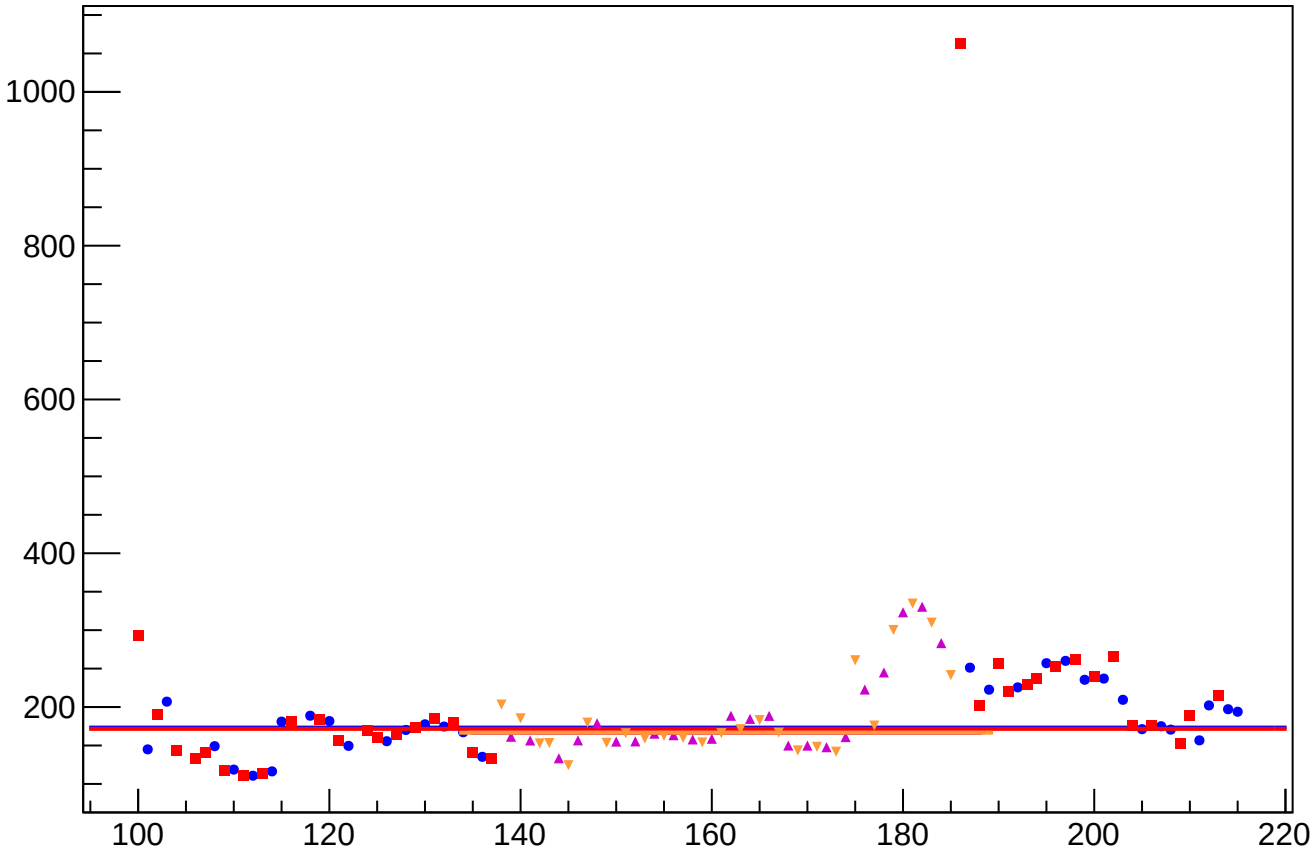
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -49.083+/-28.951 χ^2/NDF: 57.2/64

In: 9.692+/-28.574 χ^2/NDF:55.2/53

Out: 11.062+/-28.402 χ^2/NDF:62.9/58

All: 10.381+/-20.144 χ^2/NDF: 118.0/112



Right In: 173.247+/-0.029 χ^2/NDF: 1757643.0/30

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 171.621+/-0.029 χ^2/NDF: 2757448.8/33

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

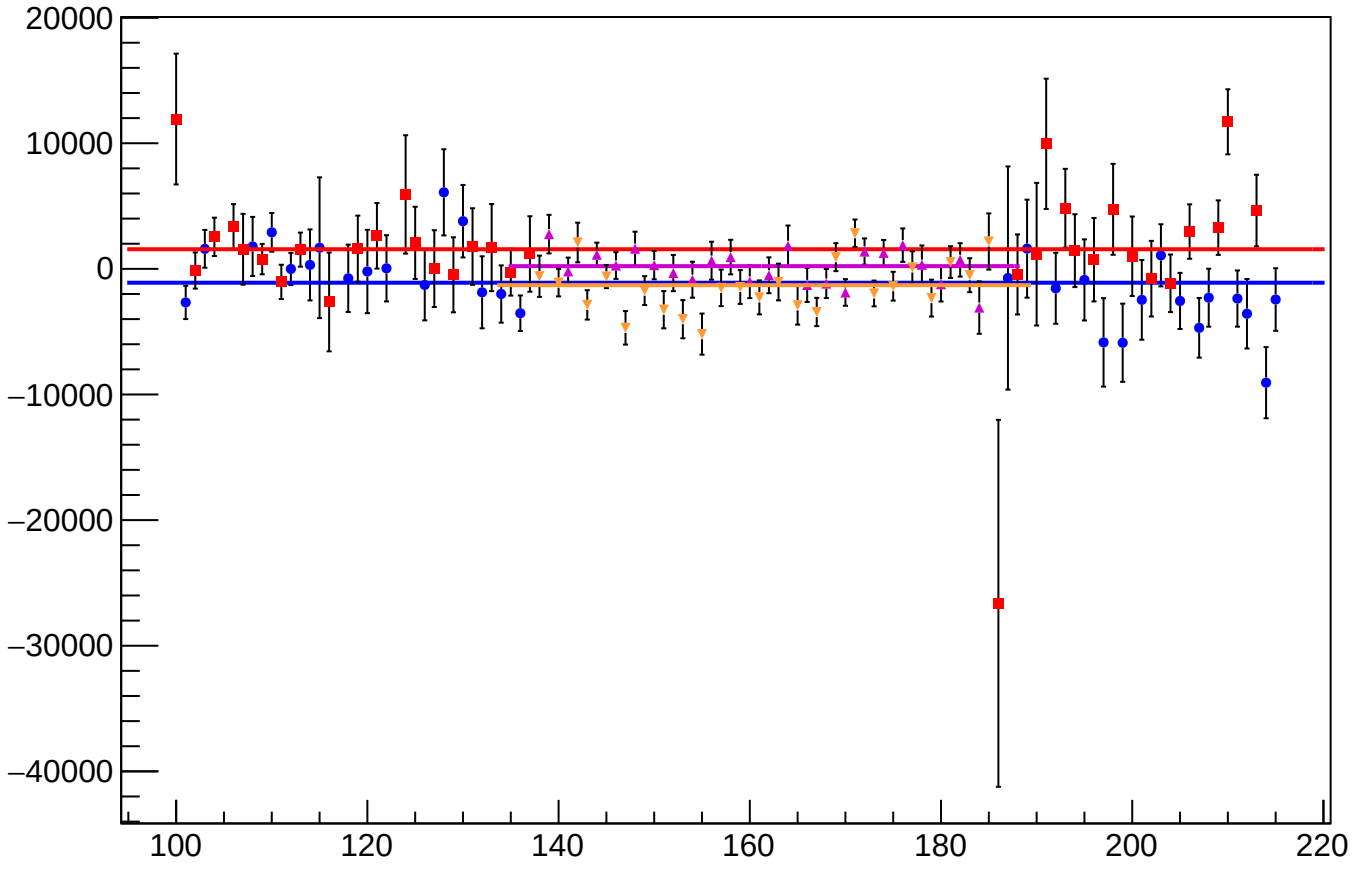
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 172.445+/-0.020 χ^2/NDF: 4516669.5/64

In: 169.735+/-0.020 χ^2/NDF:3179569.0/53

Out: 168.981+/-0.020 χ^2/NDF:4492869.7/58

All: 169.356+/-0.014 χ^2/NDF: 7673139.2/112



Right In: -1102.982+/-414.138 χ^2/NDF: 42.8/30

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1562.222+/-403.861 χ^2/NDF: 42.9/33

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

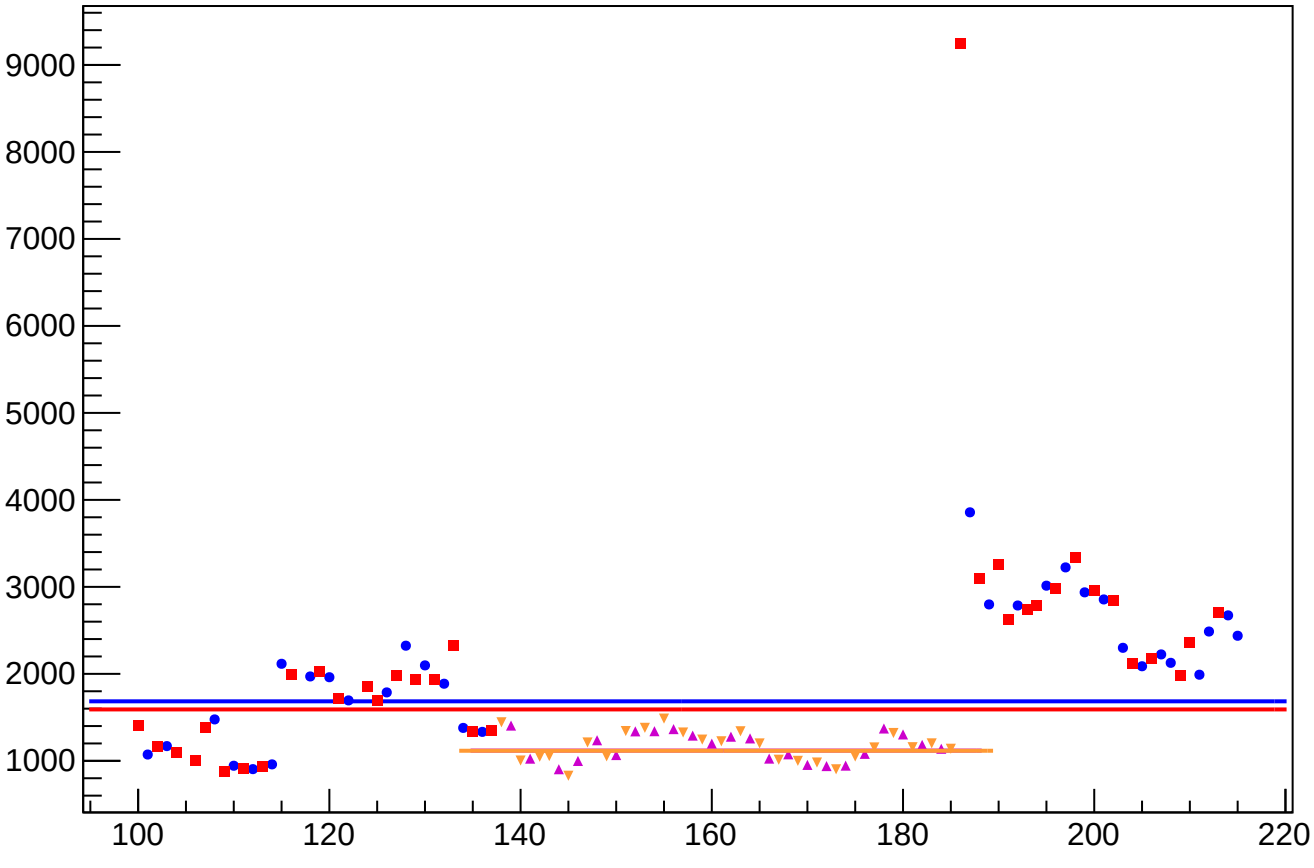
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 263.098+/-289.138 χ^2/NDF: 107.0/64

In: -165.001+/-222.847 χ^2/NDF:72.3/53

Out: -474.008+/-216.798 χ^2/NDF:133.7/58

All: -323.756+/-155.394 χ^2/NDF: 207.0/112



Right In: 1684.293+/-0.293 χ^2/NDF: 5246245.1/30

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1591.072+/-0.286 χ^2/NDF: 6788617.2/33

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

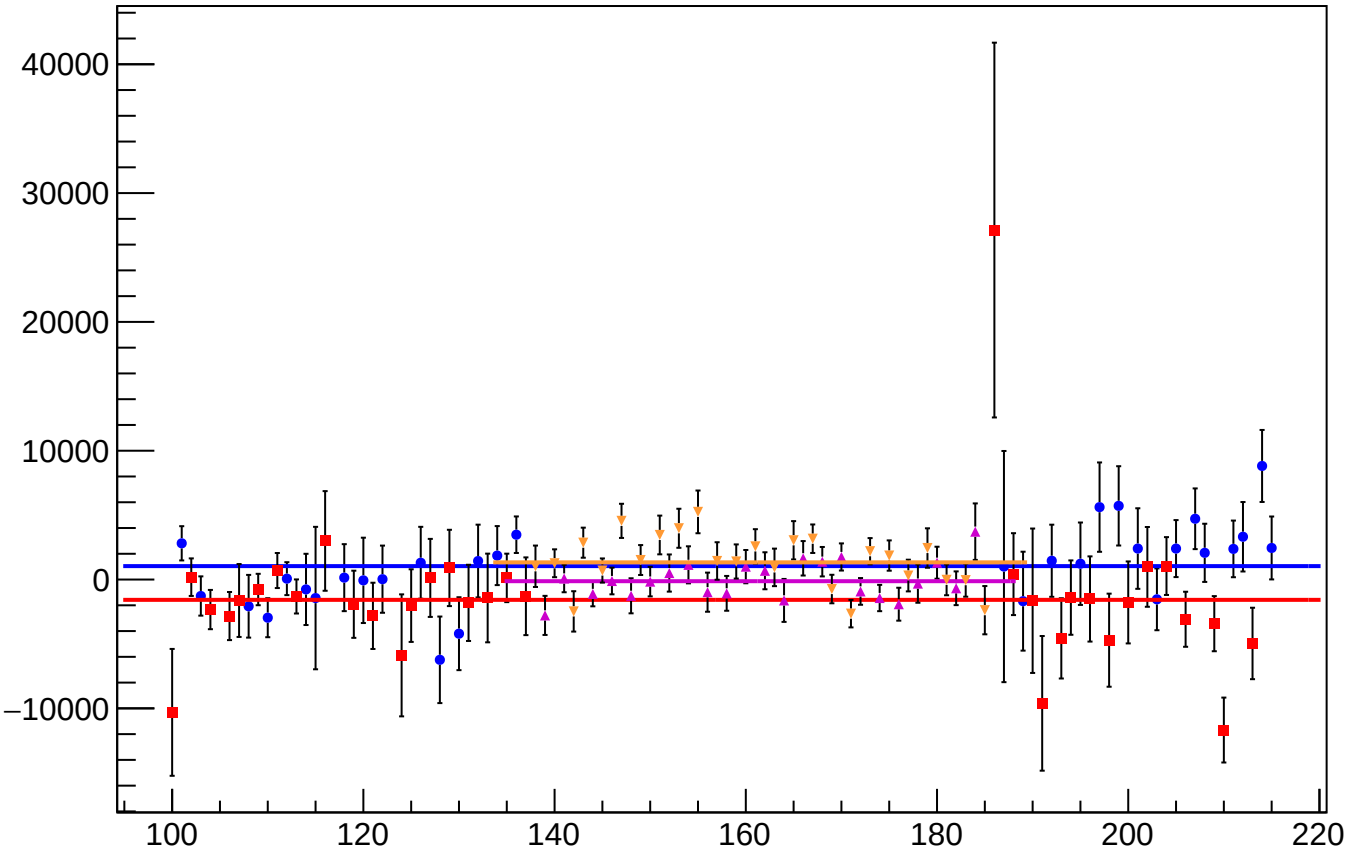
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1636.512+/-0.204 χ^2/NDF: 12086803.8/64

In: 1281.850+/-0.158 χ^2/NDF:8634015.6/53

Out: 1252.923+/-0.153 χ^2/NDF:9625828.8/58

All: 1266.989+/-0.110 χ^2/NDF: 18277156.6/



Right In: 1042.483+/-411.350 χ^2/NDF: 43.6/30

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1576.799+/-402.312 χ^2/NDF: 42.1/33

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

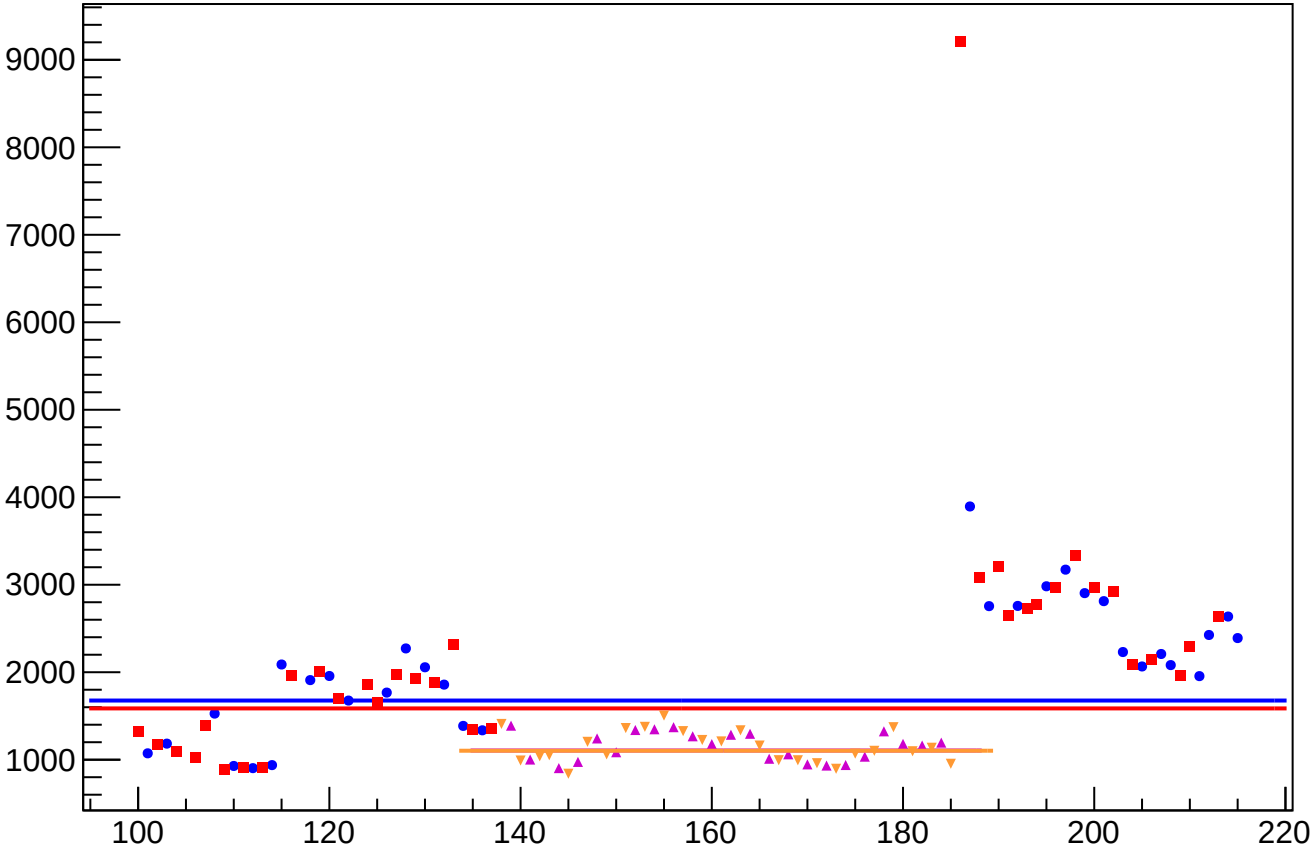
Right: -296.252+/-287.620 χ^2/NDF: 106.5/64

In: 208.465+/-220.632 χ^2/NDF:73.4/53

Out: 504.047+/-214.889 χ^2/NDF:135.2/58

All: 360.153+/-153.940 χ^2/NDF: 209.6/112

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1676.435+/-0.291 χ^2/NDF: 5083640.3/30

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1586.314+/-0.284 χ^2/NDF: 6705198.2/33

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

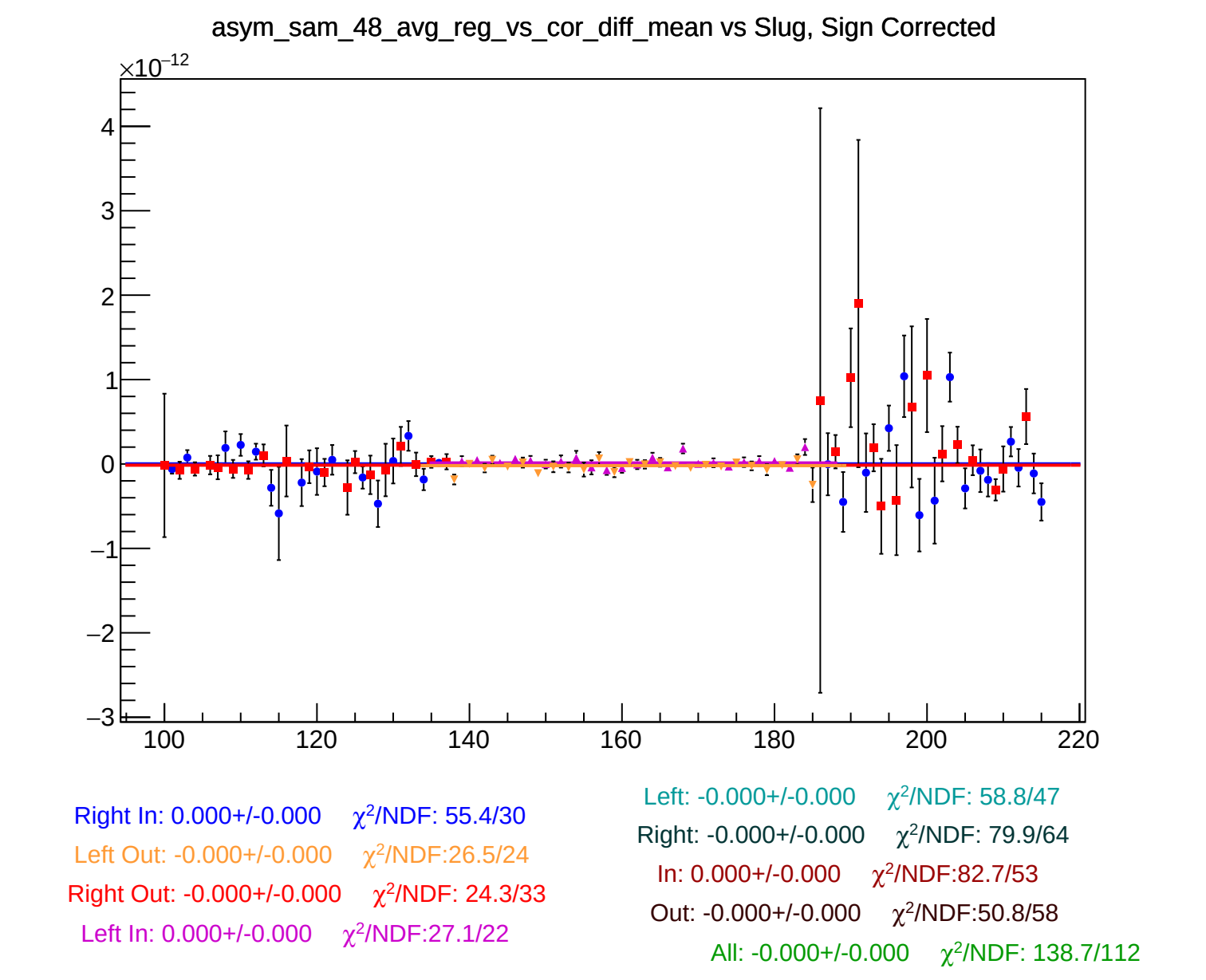
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

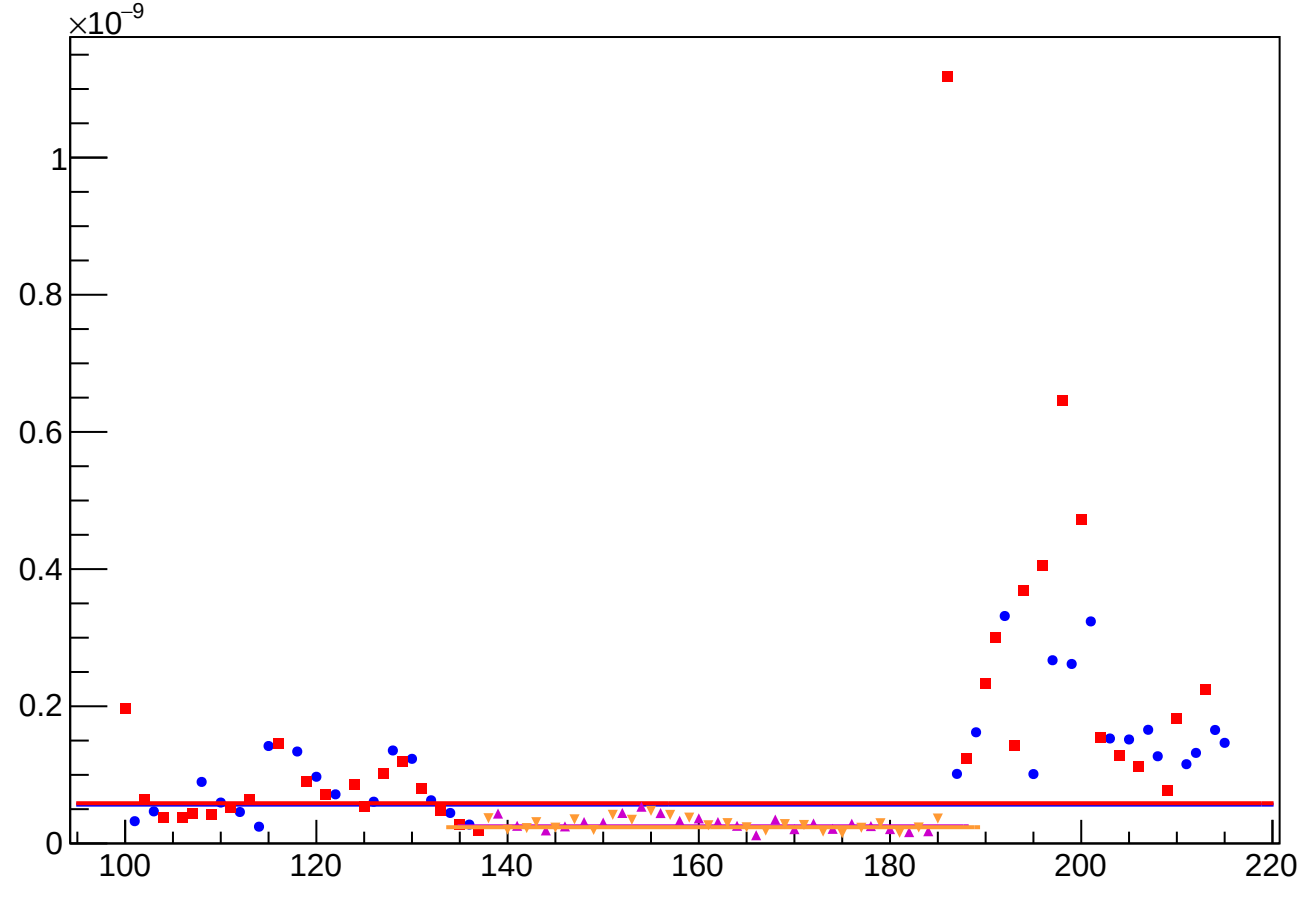
Right: 1630.373+/-0.203 χ^2/NDF: 11837903.5/64

In: 1269.534+/-0.156 χ^2/NDF:8554271.0/53

Out: 1240.676+/-0.152 χ^2/NDF:9651163.5/58

All: 1254.724+/-0.109 χ^2/NDF: 18222993.1/1


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 55.4/30
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.3/33
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 79.9/64
In: 0.000+/-0.000 χ²/NDF:82.7/53
Out: -0.000+/-0.000 χ²/NDF:50.8/58
All: -0.000+/-0.000 χ²/NDF: 138.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 6640207.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6531696.7/33

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

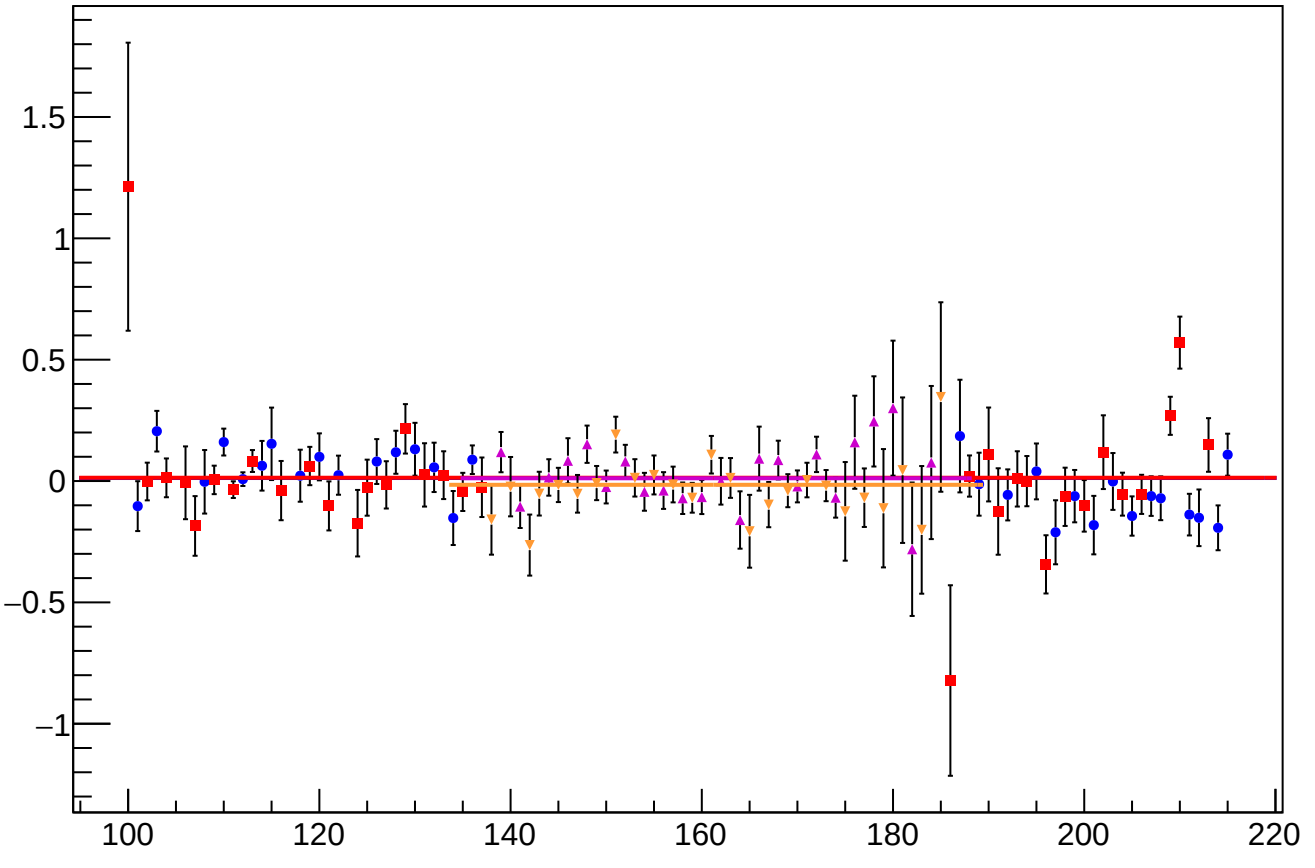
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 13178220.0/64

In: 0.000+/-0.000 χ^2/NDF:10926294.8/53

Out: 0.000+/-0.000 χ^2/NDF:11027725.8/58

All: 0.000+/-0.000 χ^2/NDF: 22009081.0/112



Right In: 0.012+/-0.015 χ^2/NDF: 46.6/30

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.014+/-0.015 χ^2/NDF: 76.4/33

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

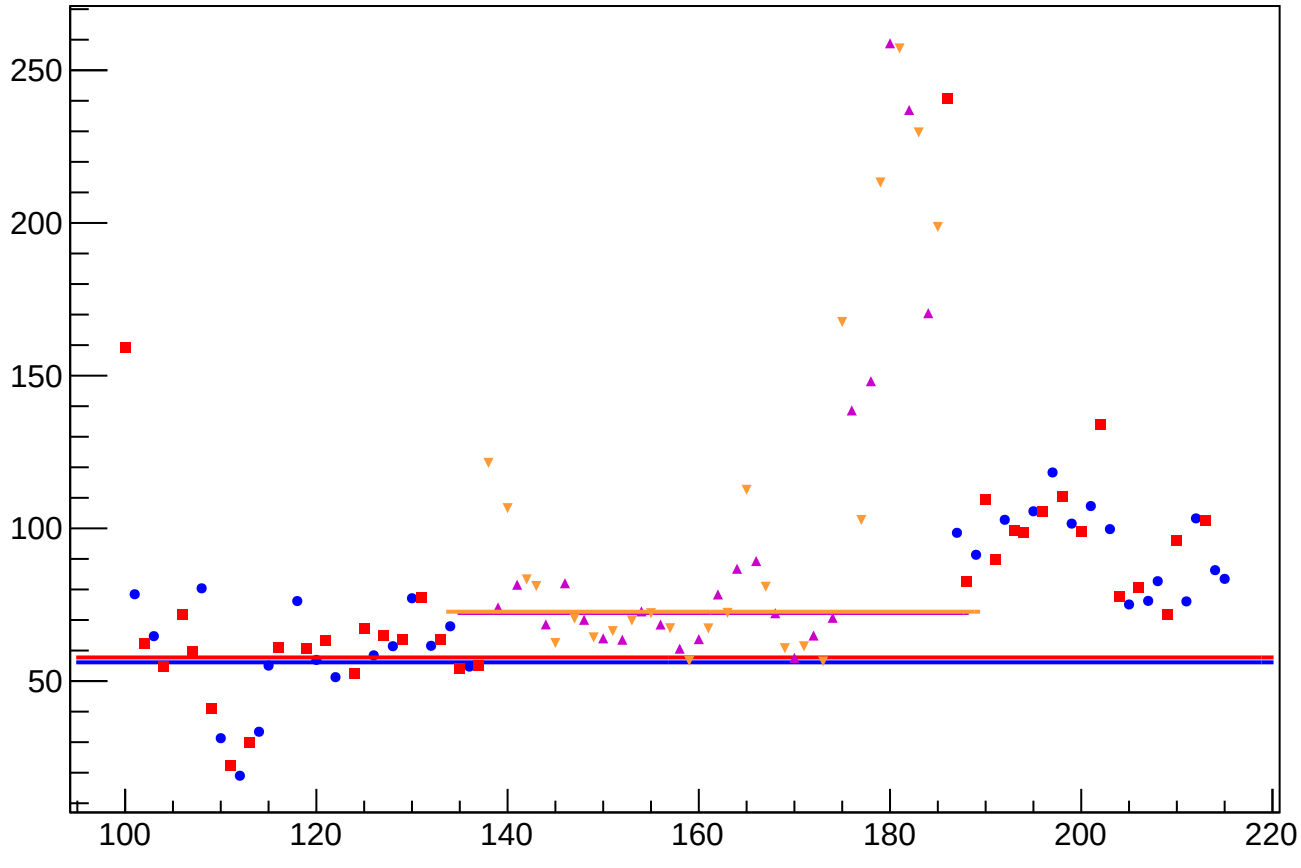
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.013+/-0.011 χ^2/NDF: 123.1/64

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.007+/-0.008 χ^2/NDF: 170.0/112



Right In: 56.138+/-0.010 χ^2/NDF: 8019876.3/30

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 57.736+/-0.011 χ^2/NDF: 7065741.8/33

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

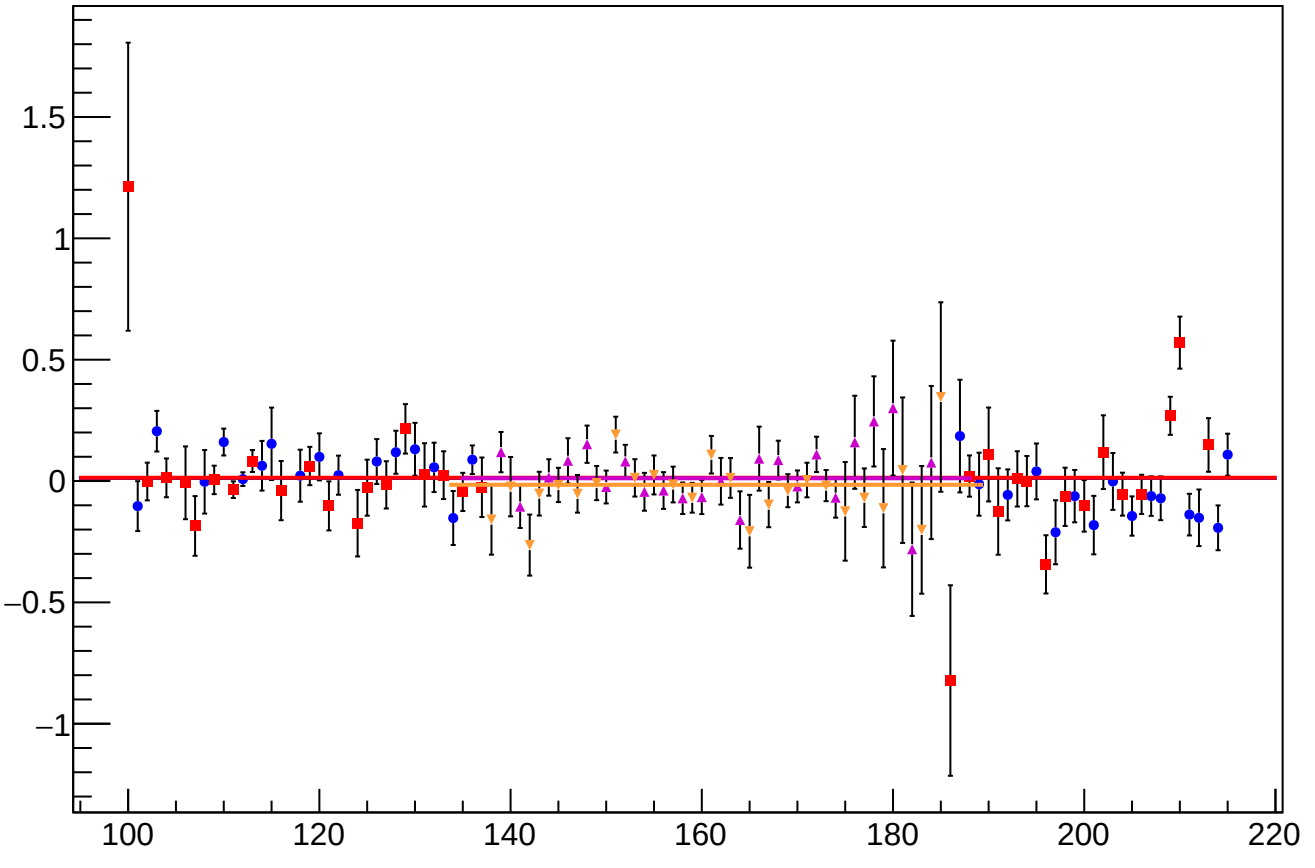
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 56.918+/-0.007 χ^2/NDF: 15097033.4/64

In: 62.534+/-0.008 χ^2/NDF:11756997.0/53

Out: 63.952+/-0.008 χ^2/NDF:11840670.2/58

All: 63.238+/-0.006 χ^2/NDF: 23612799.1/112



Right In: 0.012+/-0.015 χ^2/NDF: 46.6/30

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.014+/-0.015 χ^2/NDF: 76.4/33

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

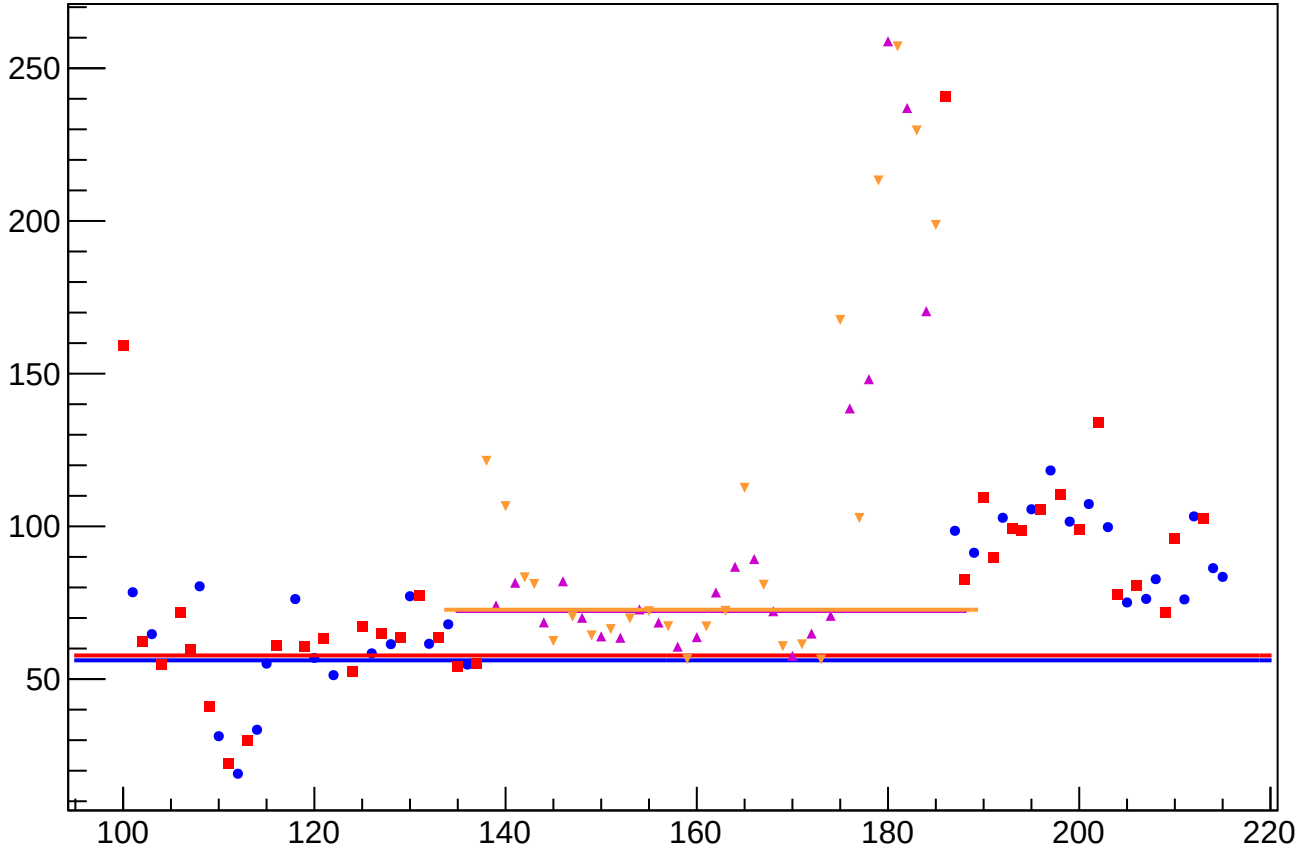
Right: 0.013+/-0.011 χ^2/NDF: 123.1/64

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.007+/-0.008 χ^2/NDF: 170.0/112

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.138+/-0.010 χ^2/NDF: 8019876.3/30

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 57.736+/-0.011 χ^2/NDF: 7065741.8/33

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

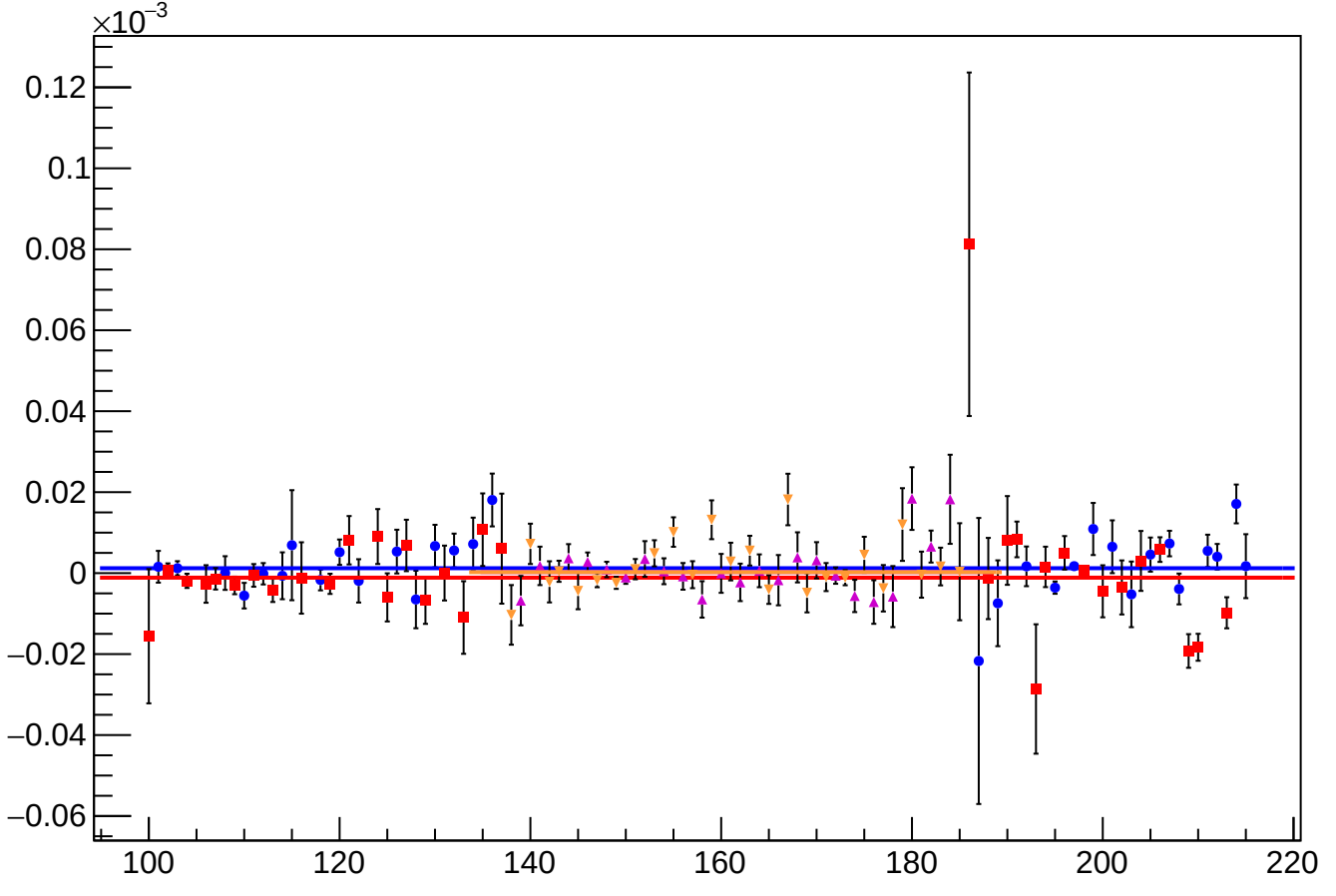
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 56.918+/-0.007 χ^2/NDF: 15097033.4/64

In: 62.534+/-0.008 χ^2/NDF:11756997.0/53

Out: 63.952+/-0.008 χ^2/NDF:11840670.2/58

All: 63.238+/-0.006 χ^2/NDF: 23612799.1/112



Right In: 0.000+/-0.000 χ^2/NDF: 53.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 90.3/33

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

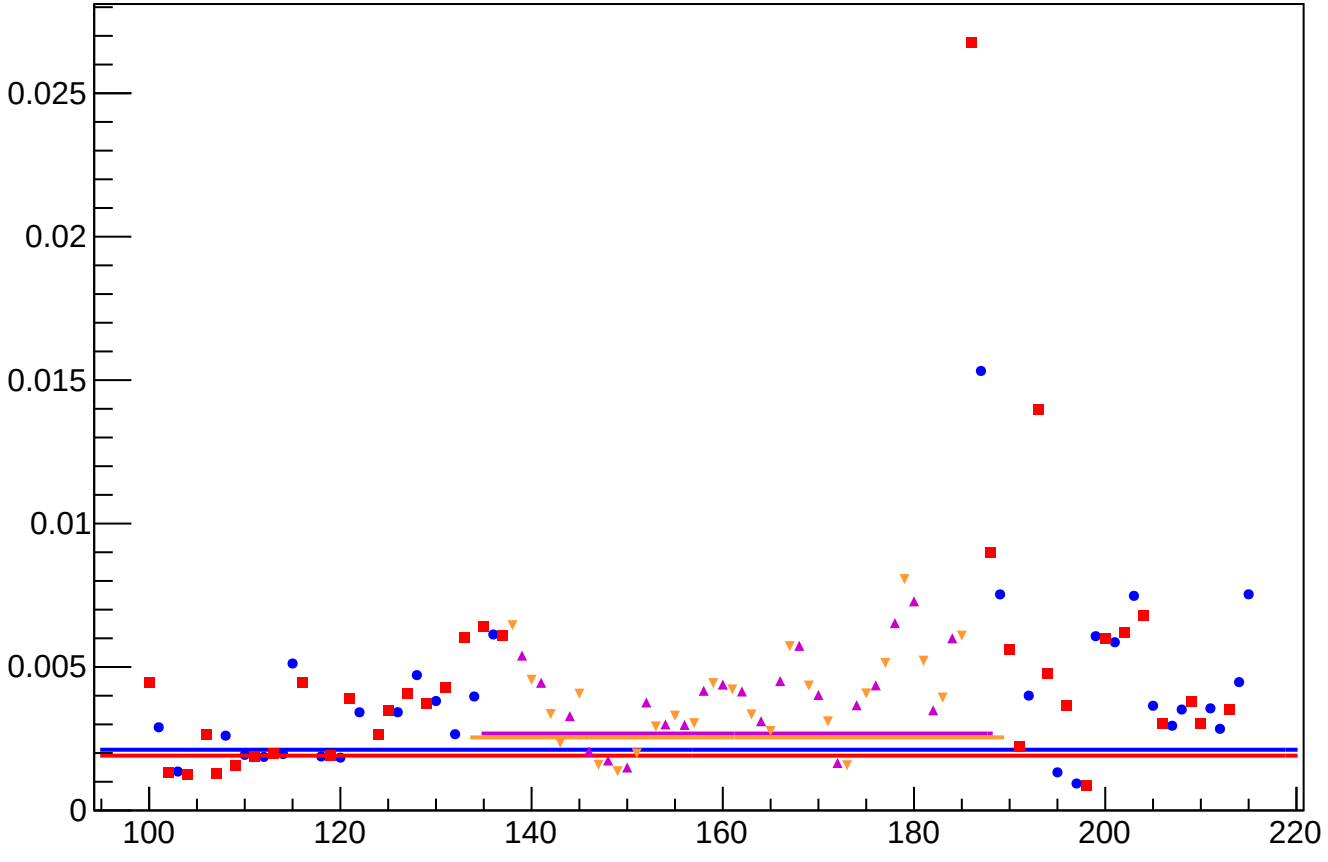
Right: -0.000+/-0.000 χ^2/NDF: 152.5/64

In: 0.000+/-0.000 χ^2/NDF:79.1/53

Out: -0.000+/-0.000 χ^2/NDF:136.2/58

All: 0.000+/-0.000 χ^2/NDF: 220.1/112

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 10533595.7/30

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 13120068.7/33

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

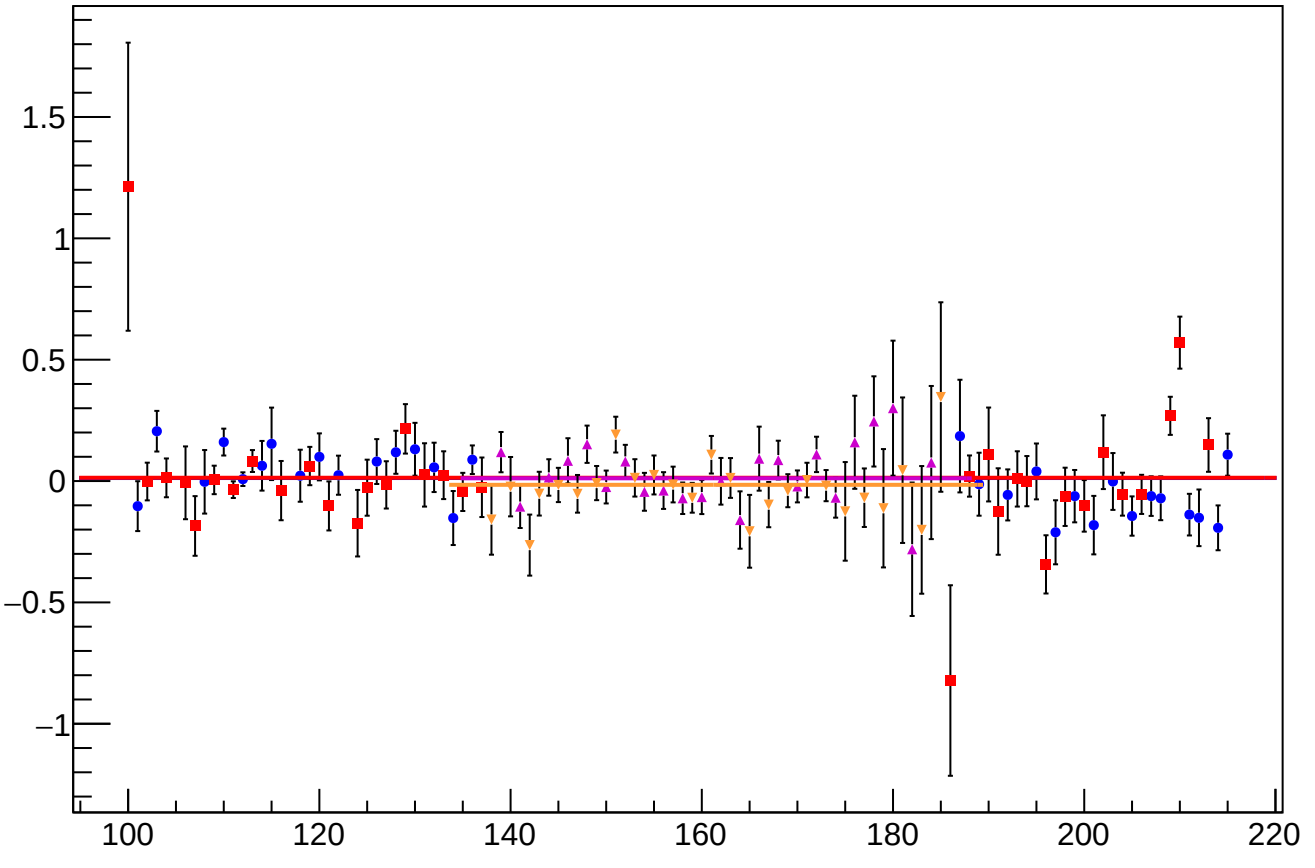
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 23782840.5/64

In: 0.002+/-0.000 χ^2/NDF:17791041.9/53

Out: 0.002+/-0.000 χ^2/NDF:21722436.7/58

All: 0.002+/-0.000 χ^2/NDF: 39666540.3/112



Right In: 0.012+/-0.015 χ^2/NDF: 46.6/30

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.014+/-0.015 χ^2/NDF: 76.4/33

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

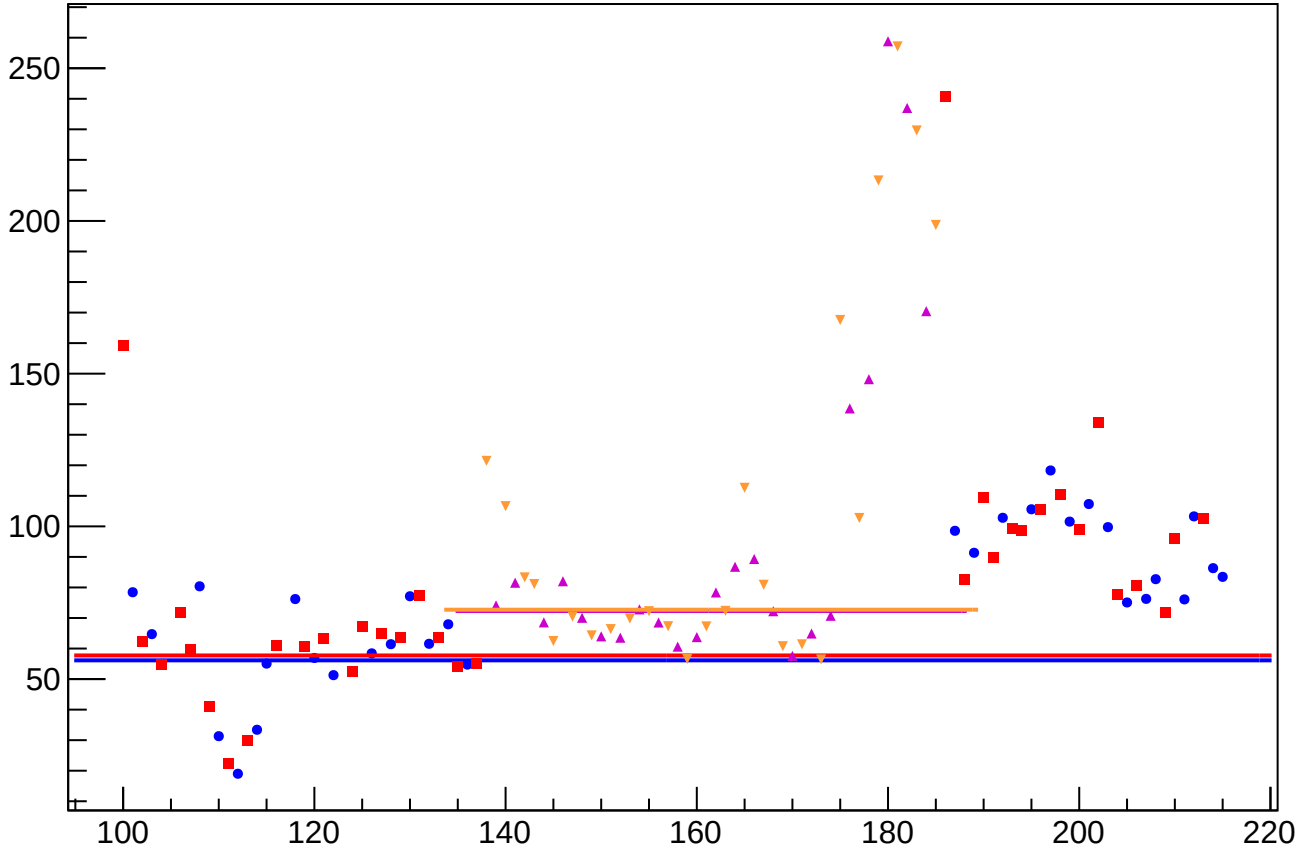
Right: 0.013+/-0.011 χ^2/NDF: 123.1/64

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.007+/-0.008 χ^2/NDF: 170.0/112

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.137+/-0.010 χ^2/NDF: 8020155.9/30

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 57.735+/-0.011 χ^2/NDF: 7066072.7/33

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

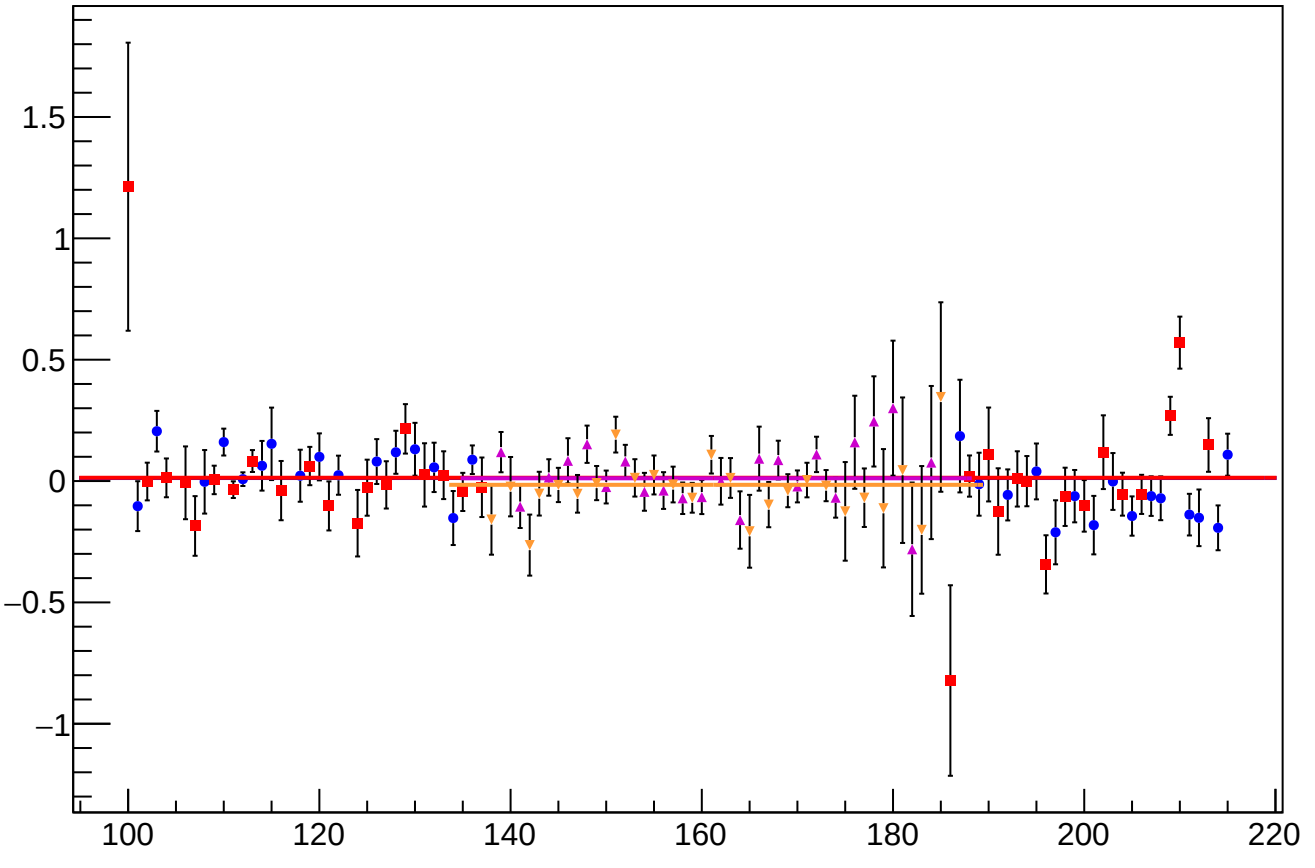
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 56.917+/-0.007 χ^2/NDF: 15097645.2/64

In: 62.534+/-0.008 χ^2/NDF:11757394.2/53

Out: 63.952+/-0.008 χ^2/NDF:11841106.6/58

All: 63.237+/-0.006 χ^2/NDF: 23613635.2/112



Right In: 0.012+/-0.015 χ^2/NDF: 46.6/30

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.014+/-0.015 χ^2/NDF: 76.4/33

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

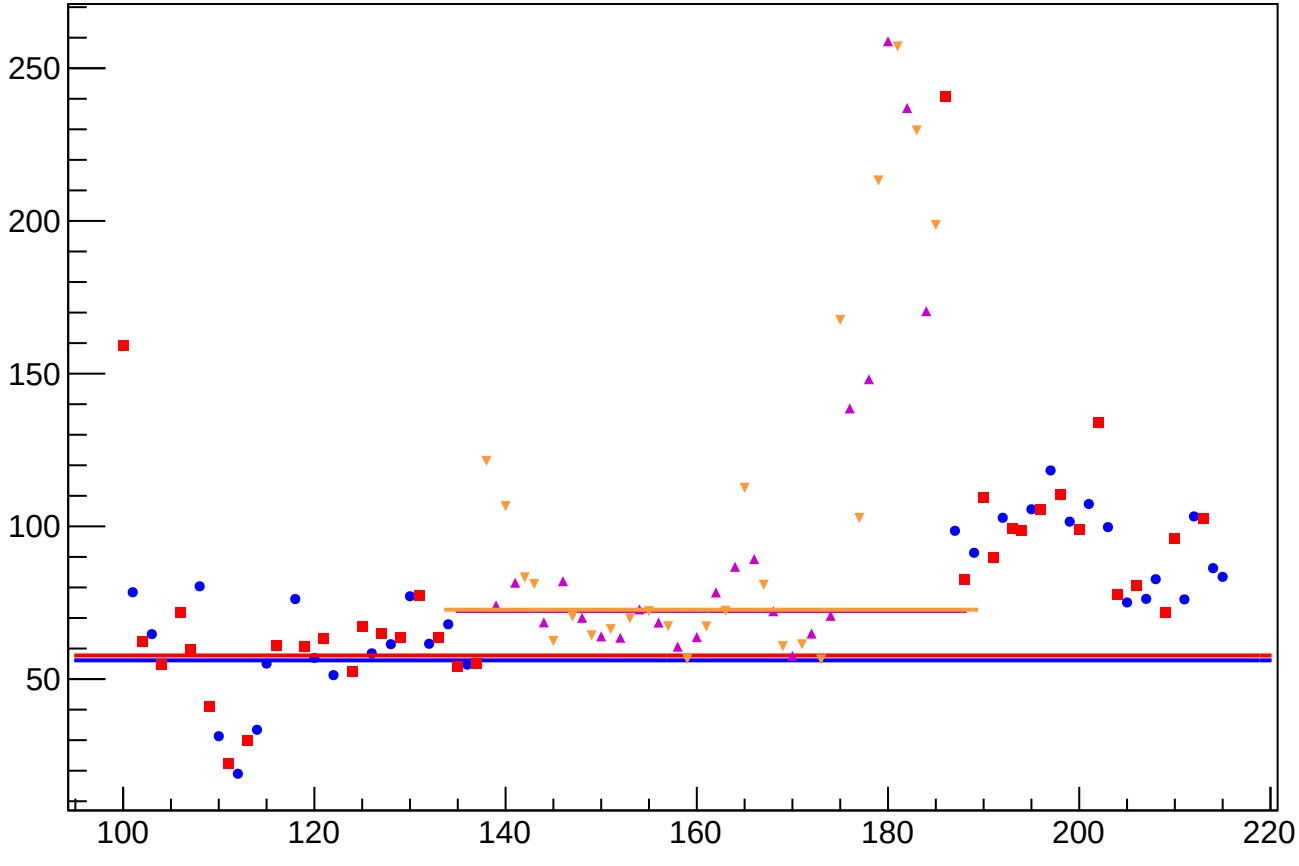
Right: 0.013+/-0.011 χ^2/NDF: 123.1/64

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.001+/-0.012 χ^2/NDF:99.6/58

All: 0.007+/-0.008 χ^2/NDF: 170.0/112

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.137+/-0.010 χ^2/NDF: 8020155.9/30

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 57.735+/-0.011 χ^2/NDF: 7066072.7/33

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

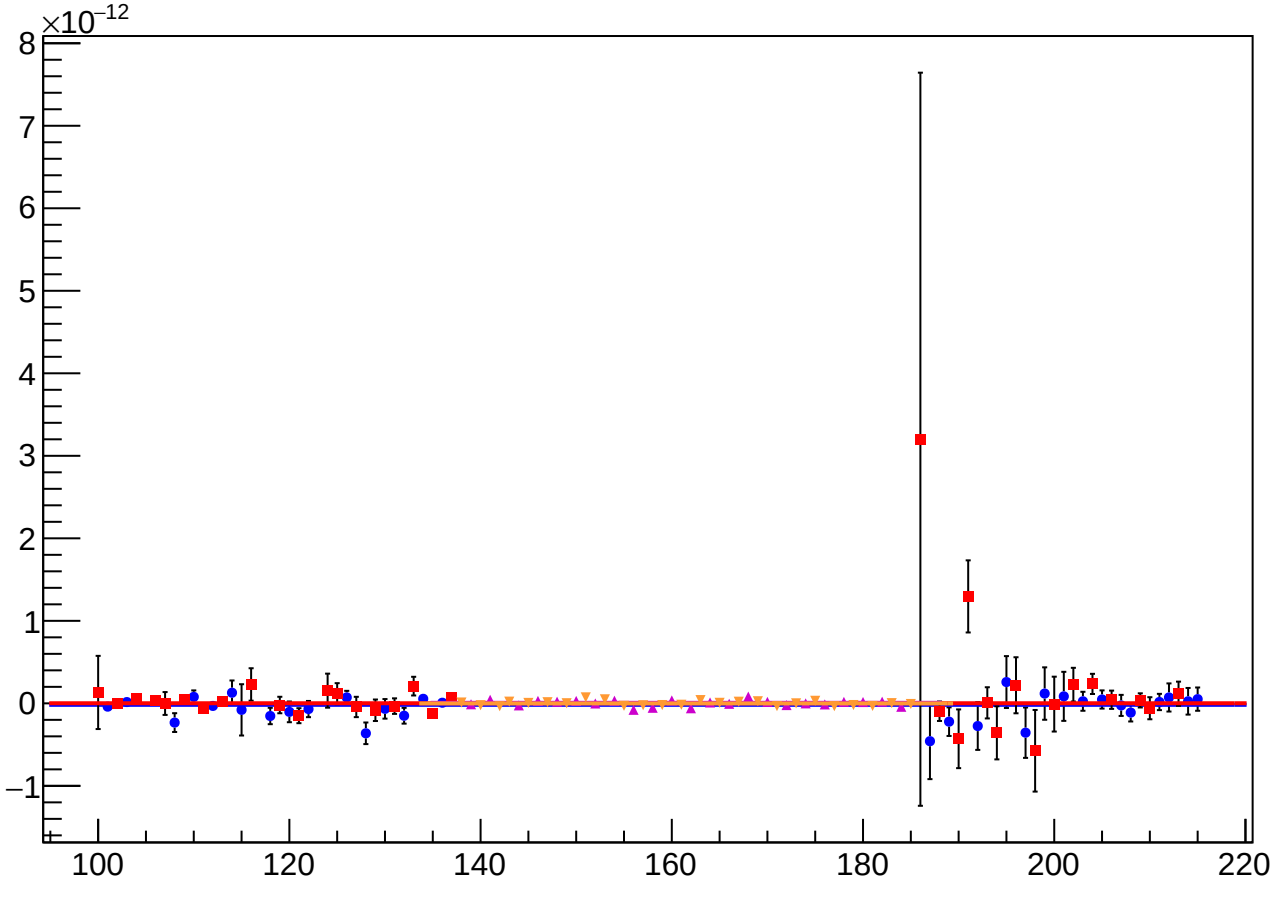
Right: 56.917+/-0.007 χ^2/NDF: 15097645.2/64

In: 62.534+/-0.008 χ^2/NDF:11757394.2/53

Out: 63.952+/-0.008 χ^2/NDF:11841106.6/58

All: 63.237+/-0.006 χ^2/NDF: 23613635.2/112

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.9/33

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

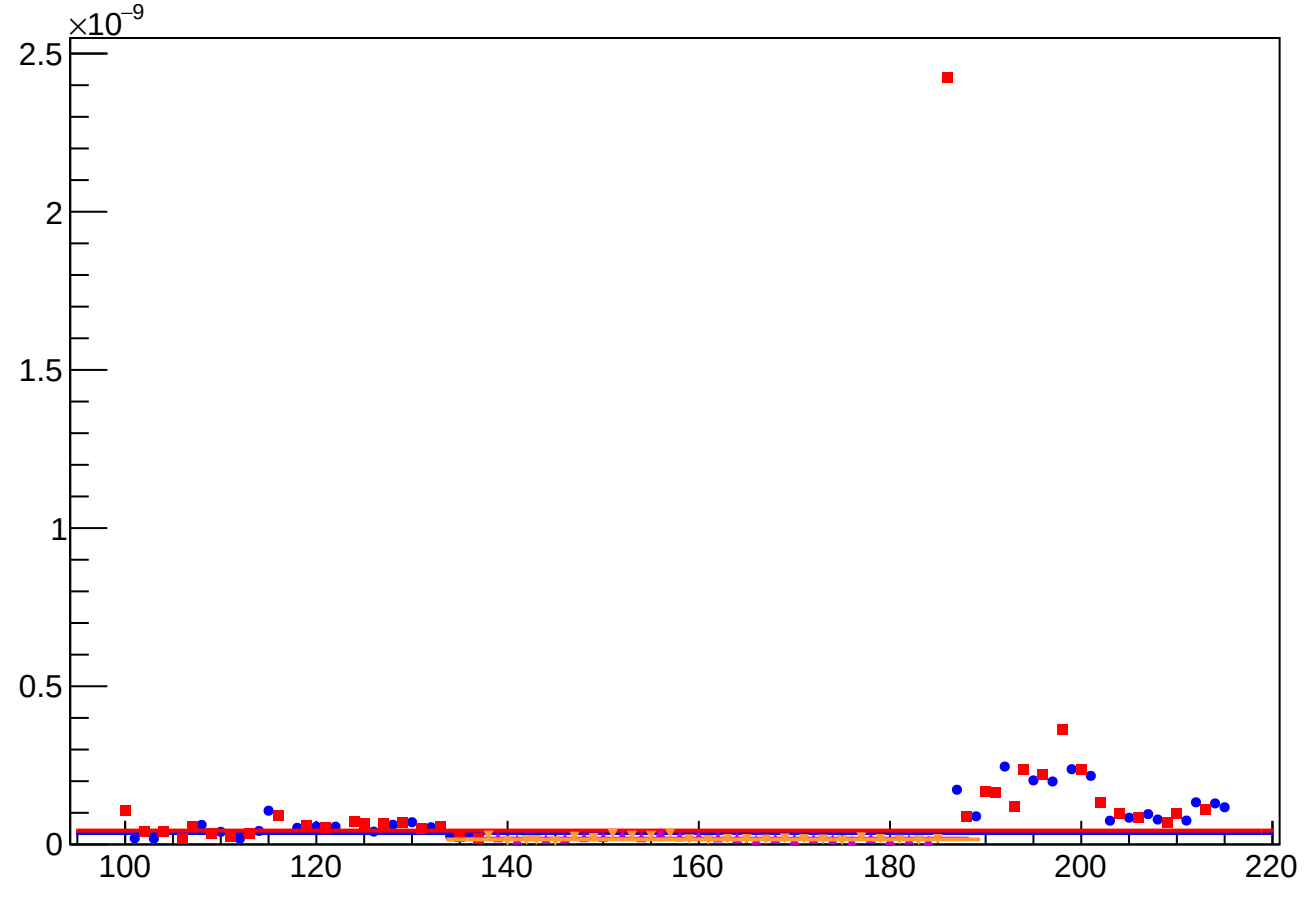
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 75.1/64

In: 0.000+/-0.000 χ^2/NDF:71.4/53

Out: -0.000+/-0.000 χ^2/NDF:71.8/58

All: 0.000+/-0.000 χ^2/NDF: 143.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 10281926.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8577754.2/33

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

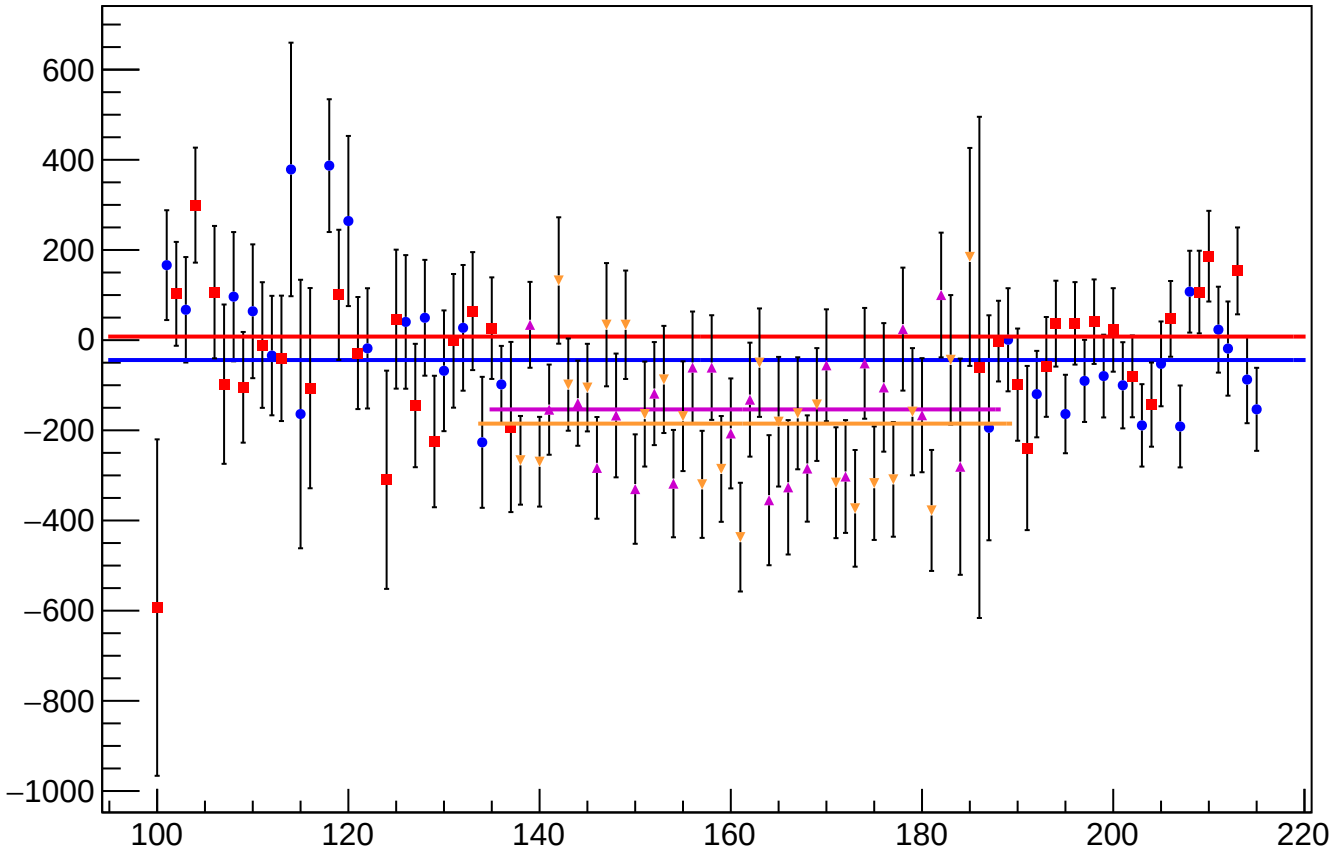
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 19133582.7/64

In: 0.000+/-0.000 χ^2/NDF:14976190.2/53

Out: 0.000+/-0.000 χ^2/NDF:16871721.0/58

All: 0.000+/-0.000 χ^2/NDF: 32111336.0/112



Right In: -44.113+/-20.295 χ^2/NDF: 36.1/30

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 7.914+/-20.569 χ^2/NDF: 31.7/33

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

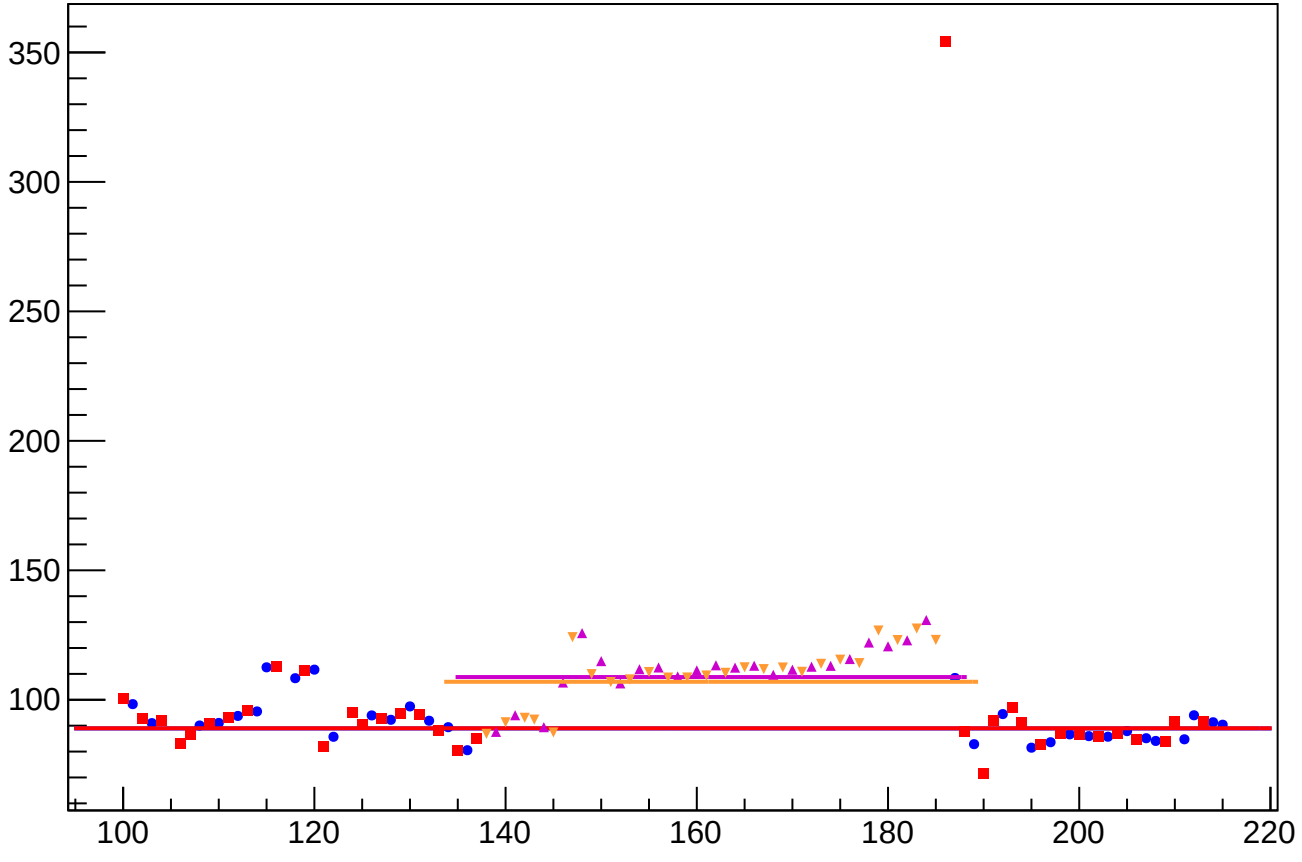
Right: -18.448+/-14.446 χ^2/NDF: 71.0/64

In: -86.504+/-15.889 χ^2/NDF:70.9/53

Out: -72.084+/-15.740 χ^2/NDF:101.2/58

All: -79.227+/-11.182 χ^2/NDF: 172.5/112

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.918+/-0.014 χ^2/NDF: 197442.0/30

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.001+/-0.015 χ^2/NDF: 652376.4/33

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

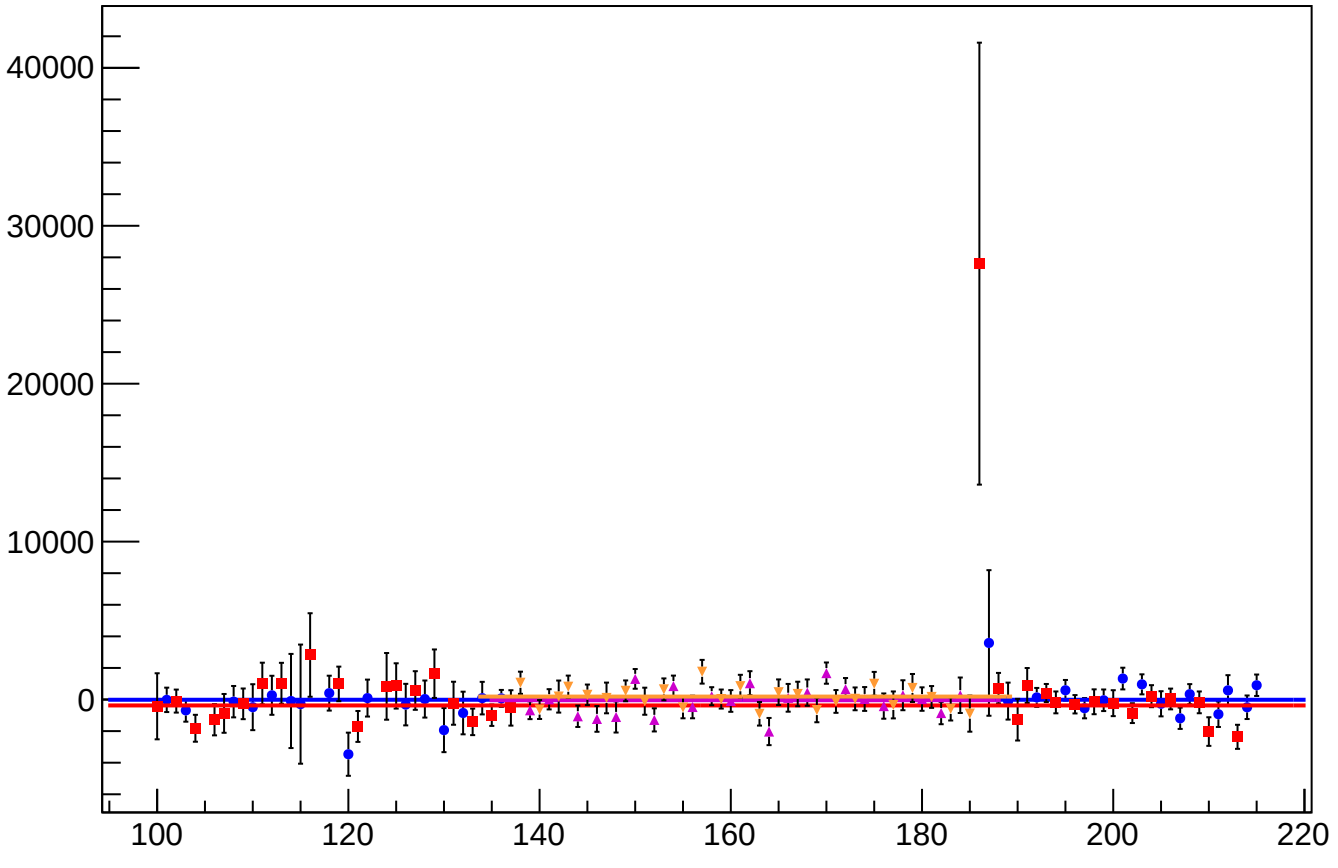
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.959+/-0.010 χ^2/NDF: 849835.0/64

In: 96.606+/-0.011 χ^2/NDF:1297443.2/53

Out: 96.440+/-0.011 χ^2/NDF:1748037.1/58

All: 96.522+/-0.008 χ^2/NDF: 3045590.6/112



Right In: -14.650+/-152.941 χ^2/NDF: 25.7/30

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -374.597+/-154.704 χ^2/NDF: 38.0/33

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

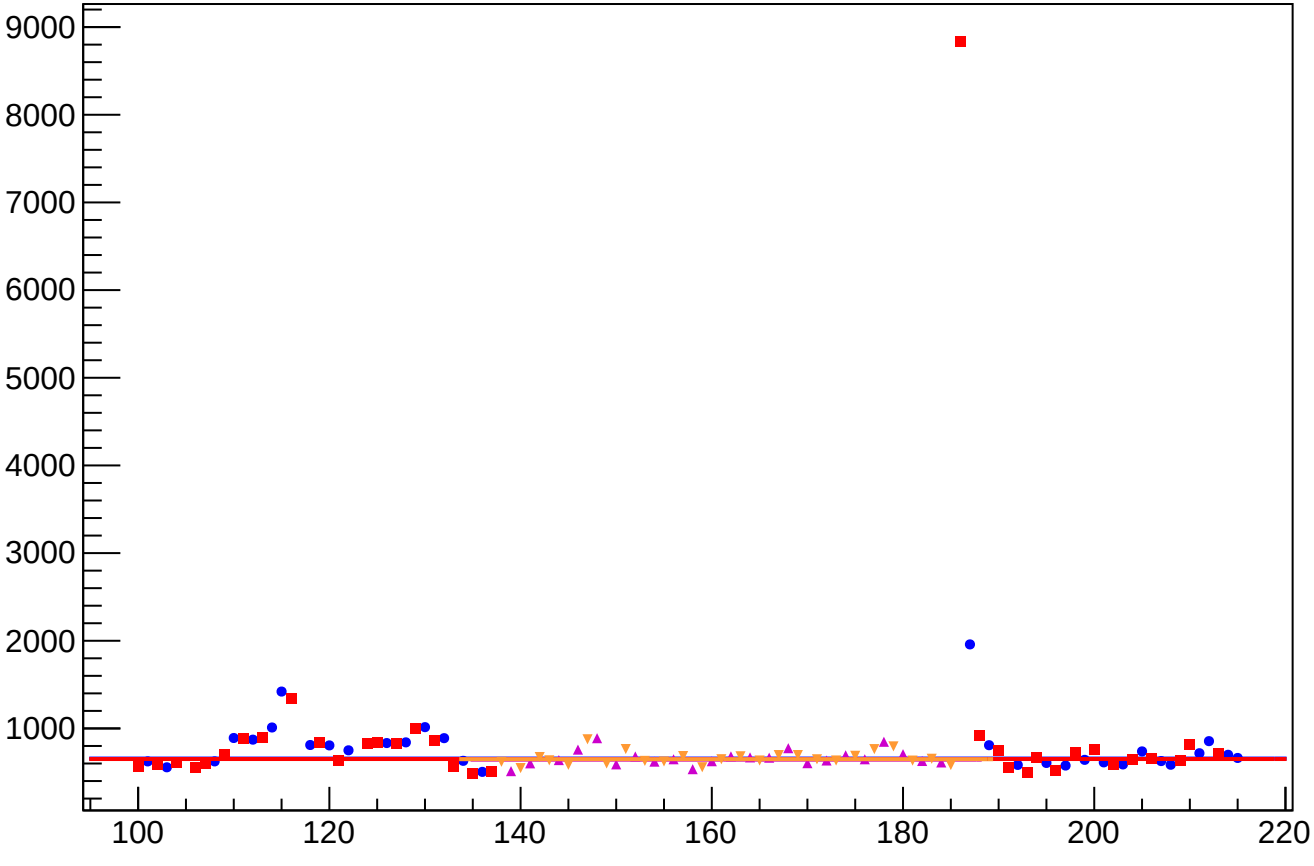
Right: -192.562+/-108.764 χ^2/NDF: 66.5/64

In: -29.032+/-107.833 χ^2/NDF:59.5/53

Out: -83.198+/-107.251 χ^2/NDF:63.9/58

All: -56.261+/-76.043 χ^2/NDF: 123.5/112

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 656.340+/-0.108 χ^2/NDF: 1232631.9/30

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 651.160+/-0.109 χ^2/NDF: 2054054.0/33

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

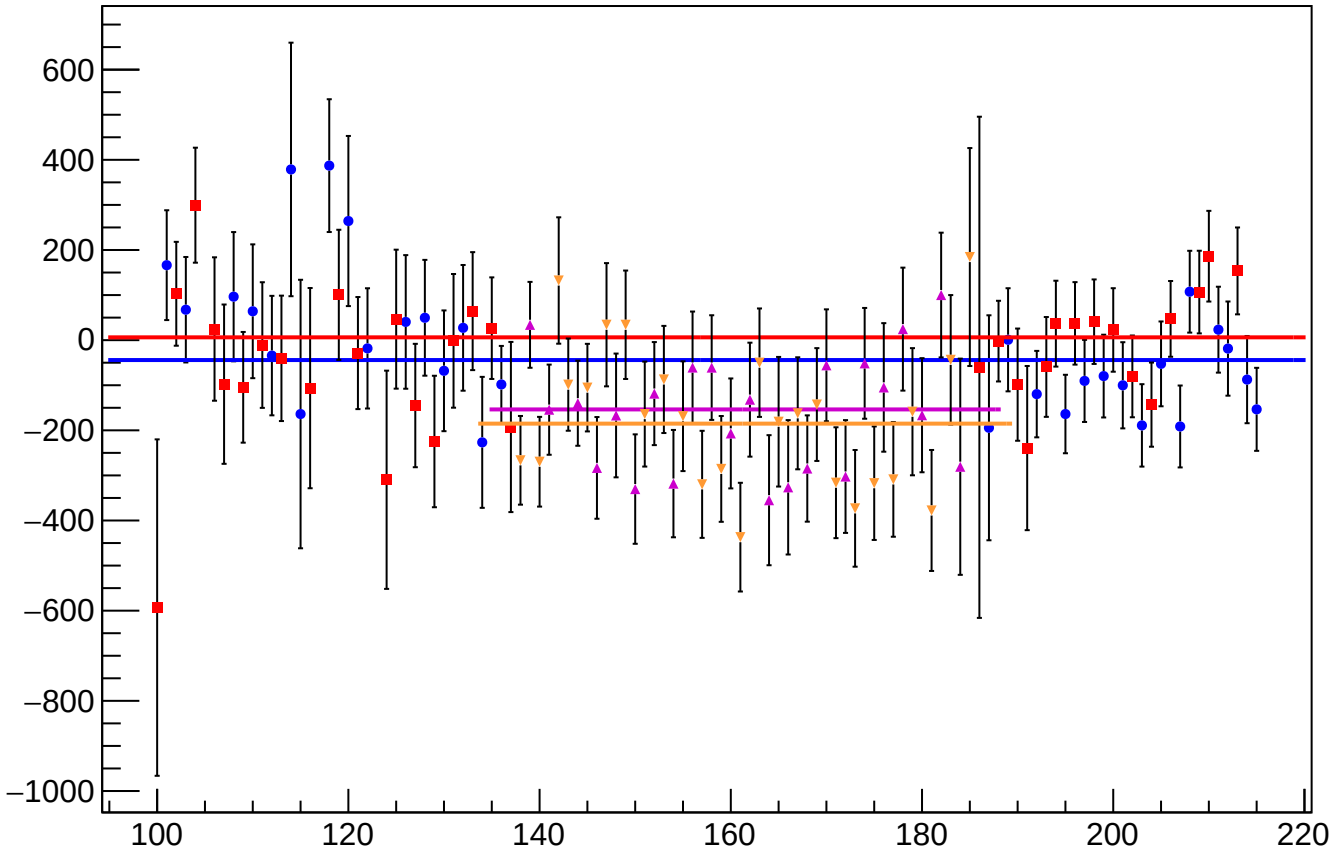
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 653.780+/-0.077 χ^2/NDF: 3287820.0/64

In: 650.171+/-0.076 χ^2/NDF:1798223.1/53

Out: 650.136+/-0.076 χ^2/NDF:2472587.3/58

All: 650.153+/-0.054 χ^2/NDF: 4270810.6/112



Right In: -44.111+/-20.295 χ^2/NDF: 36.1/30

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 6.254+/-20.598 χ^2/NDF: 31.2/33

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

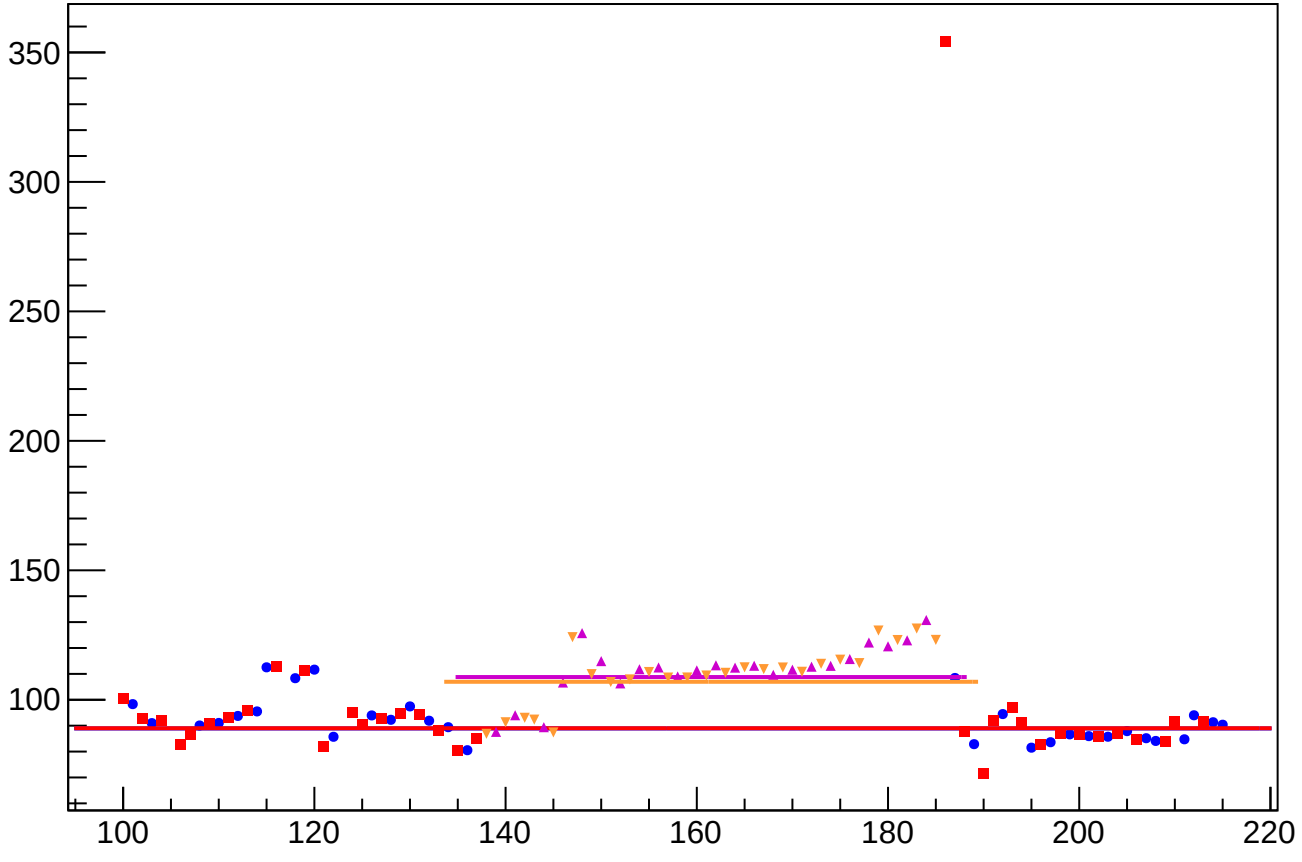
Right: -19.303+/-14.457 χ^2/NDF: 70.4/64

In: -86.505+/-15.889 χ^2/NDF:70.9/53

Out: -73.193+/-15.754 χ^2/NDF:100.1/58

All: -79.792+/-11.187 χ^2/NDF: 171.4/112

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.918+/-0.014 χ^2/NDF: 197442.0/30

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.009+/-0.015 χ^2/NDF: 652440.6/33

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

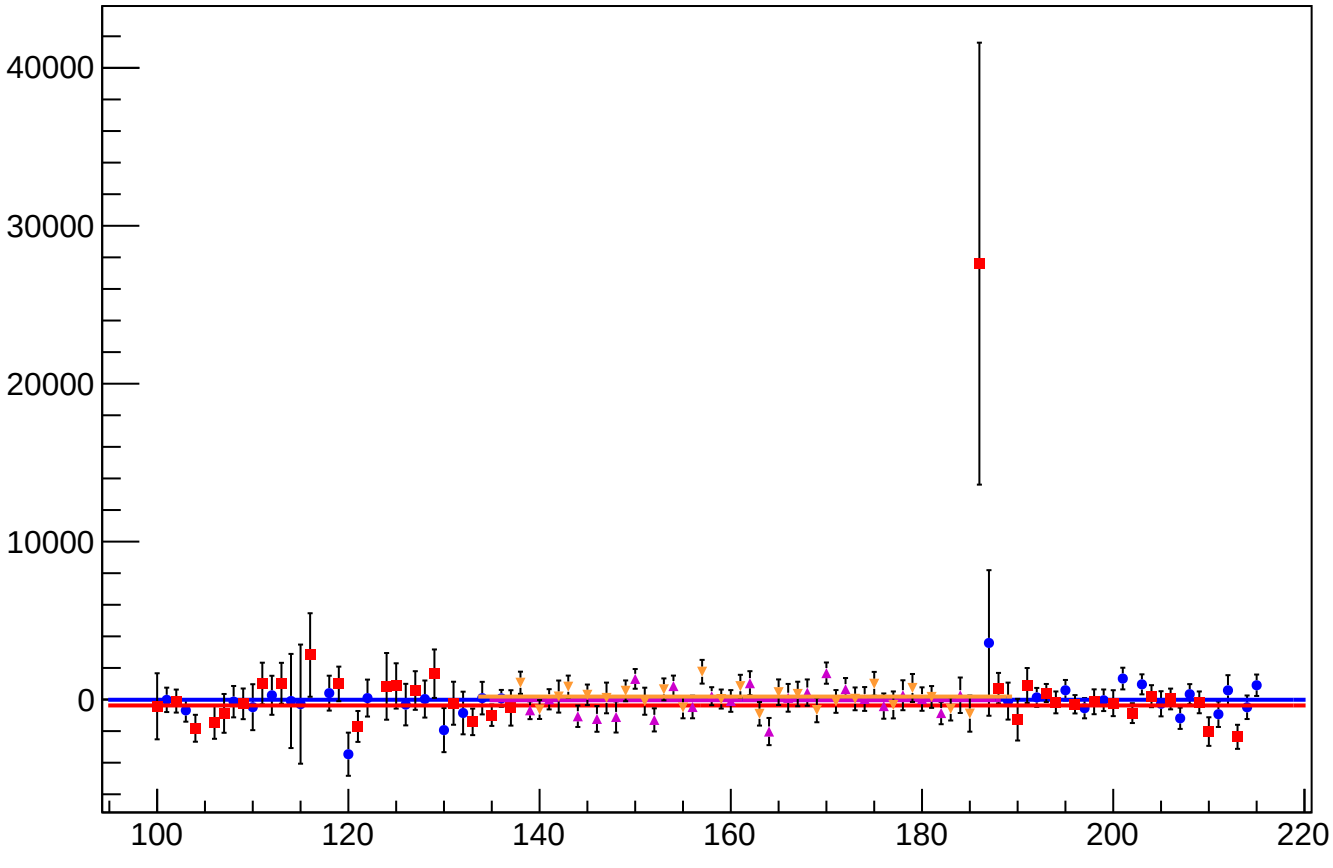
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.962+/-0.010 χ^2/NDF: 849902.5/64

In: 96.606+/-0.011 χ^2/NDF:1297443.2/53

Out: 96.457+/-0.011 χ^2/NDF:1746795.1/58

All: 96.531+/-0.008 χ^2/NDF: 3044326.9/112



Right In: -14.652+/-152.941 χ^2/NDF: 25.7/30

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -375.838+/-154.902 χ^2/NDF: 38.2/33

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

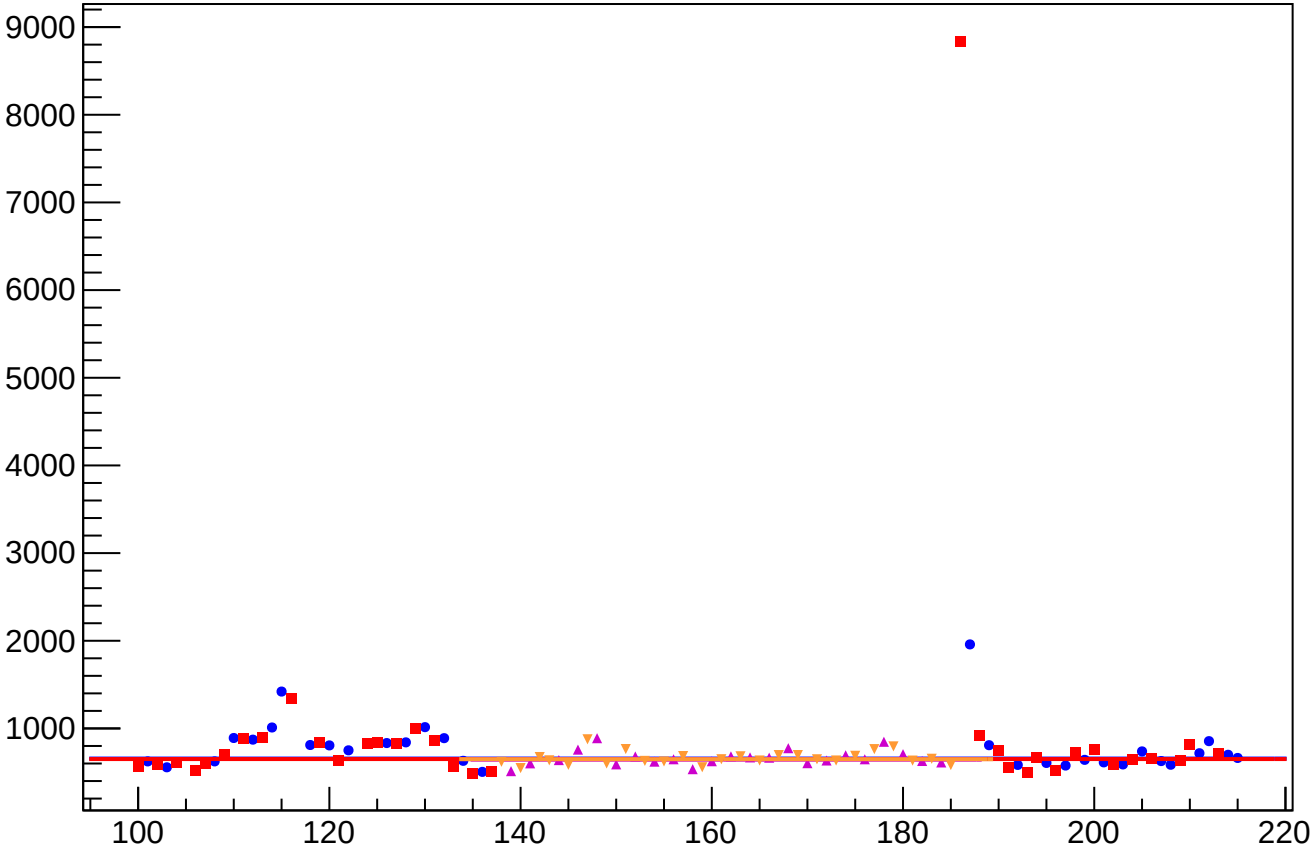
Right: -192.945+/-108.832 χ^2/NDF: 66.7/64

In: -29.034+/-107.833 χ^2/NDF:59.5/53

Out: -83.438+/-107.317 χ^2/NDF:64.1/58

All: -56.366+/-76.066 χ^2/NDF: 123.7/112

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 656.340+/-0.108 χ^2/NDF: 1232631.8/30

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 650.804+/-0.110 χ^2/NDF: 2063626.8/33

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

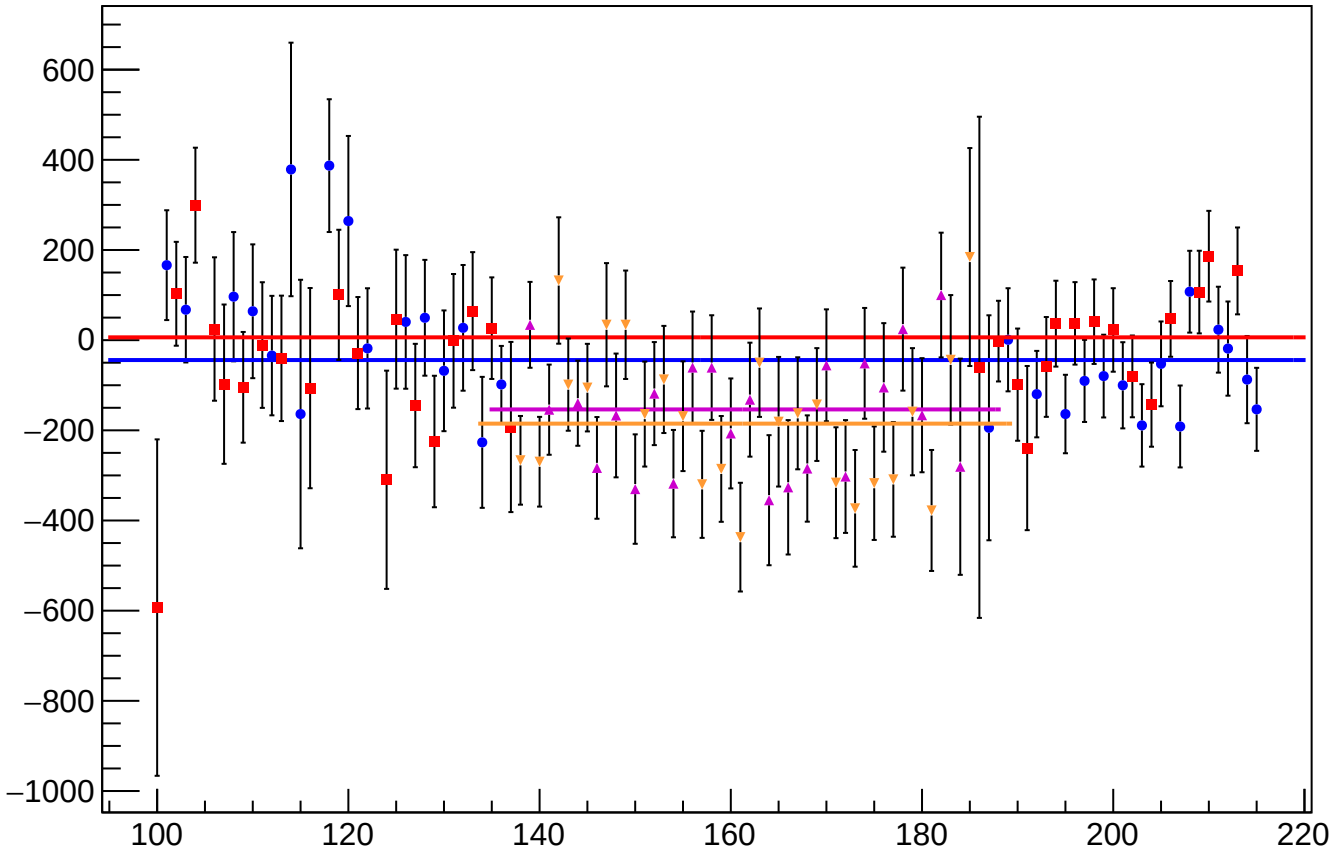
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 653.607+/-0.077 χ^2/NDF: 3297552.4/64

In: 650.171+/-0.076 χ^2/NDF:1798224.1/53

Out: 649.964+/-0.076 χ^2/NDF:2482105.2/58

All: 650.067+/-0.054 χ^2/NDF: 4280333.0/112



Right In: -44.111+/-20.295 χ^2/NDF: 36.1/30

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 6.254+/-20.598 χ^2/NDF: 31.2/33

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

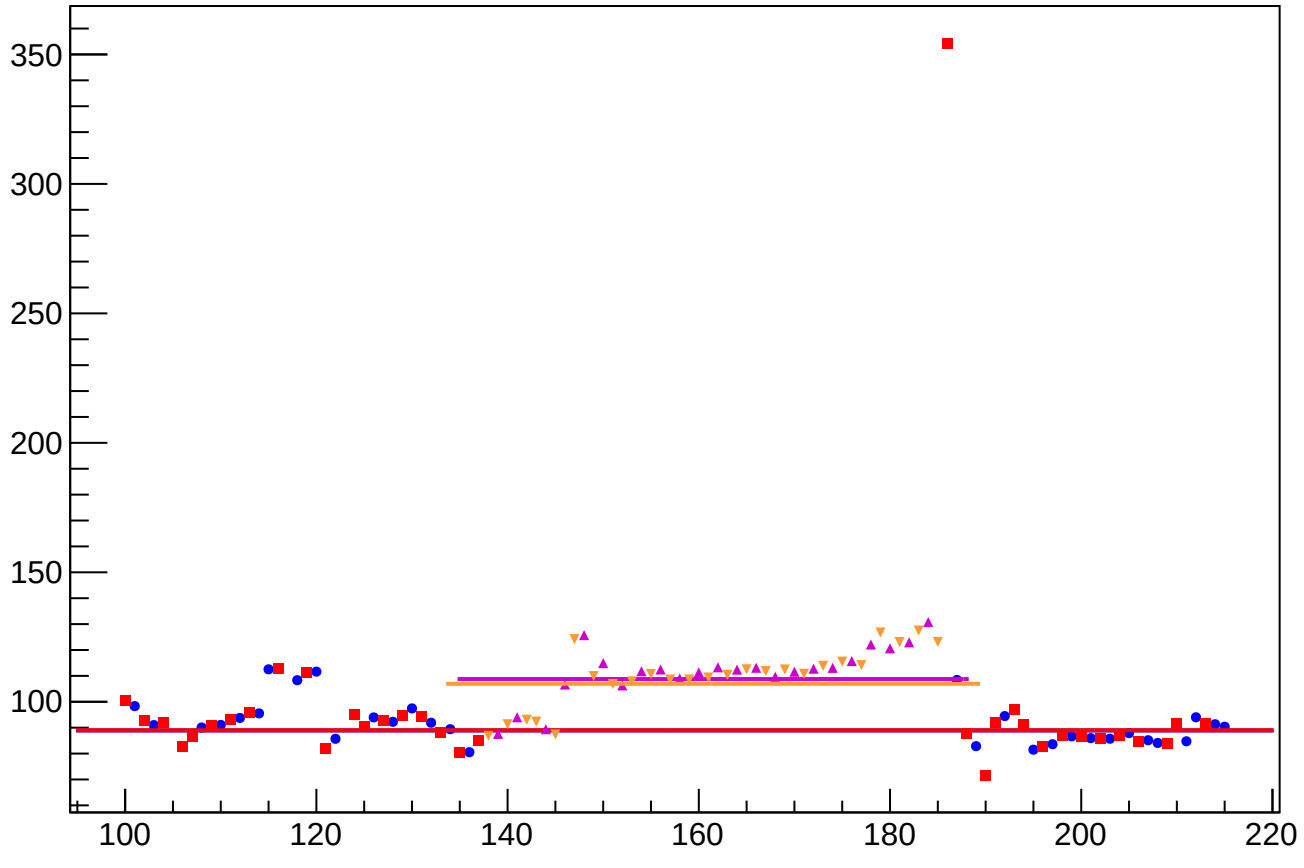
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -19.303+/-14.457 χ^2/NDF: 70.4/64

In: -86.505+/-15.889 χ^2/NDF:70.9/53

Out: -73.193+/-15.754 χ^2/NDF:100.1/58

All: -79.792+/-11.187 χ^2/NDF: 171.4/112



Right In: 88.918+/-0.014 χ^2/NDF: 197442.0/30

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.009+/-0.015 χ^2/NDF: 652440.6/33

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

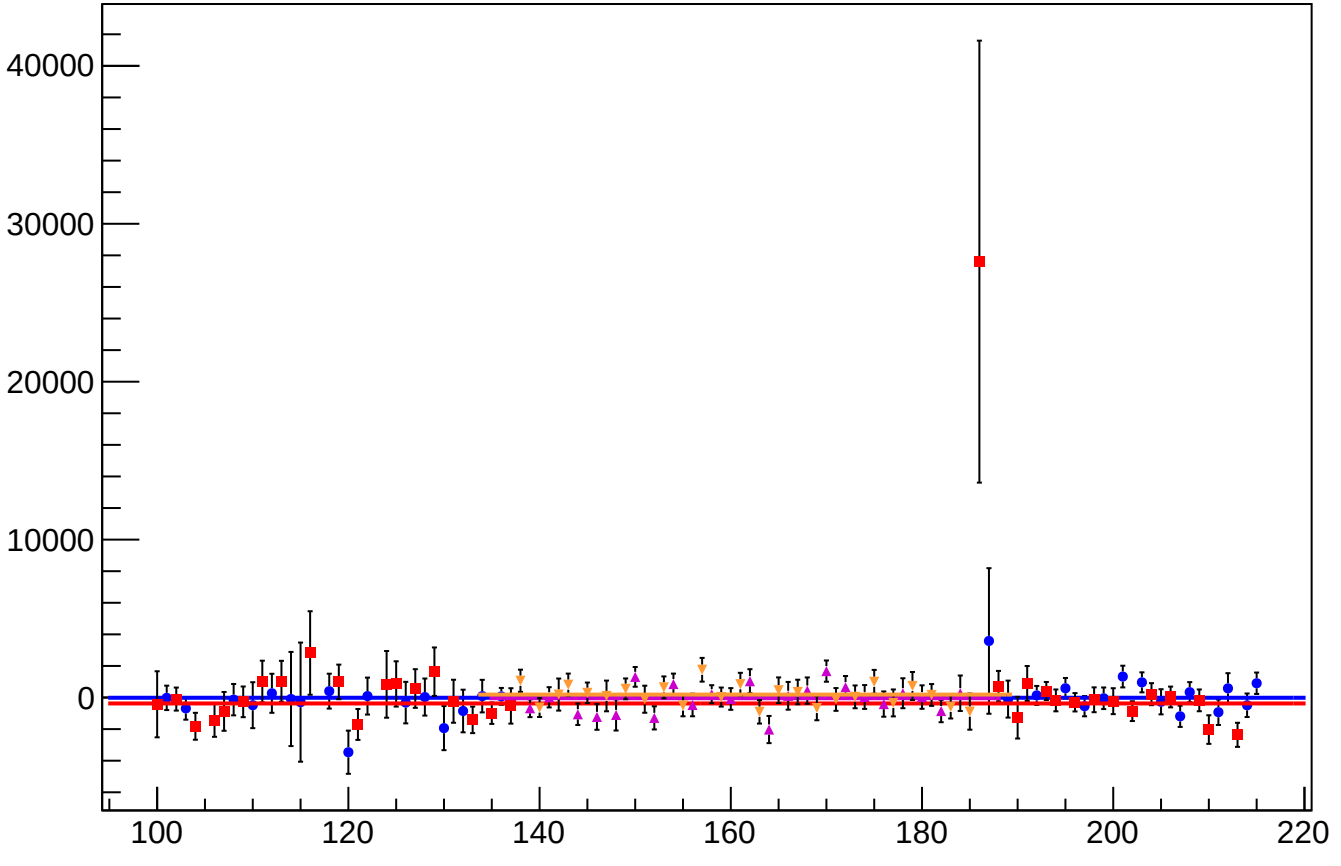
Right: 88.962+/-0.010 χ^2/NDF: 849902.5/64

In: 96.606+/-0.011 χ^2/NDF:1297443.2/53

Out: 96.457+/-0.011 χ^2/NDF:1746795.1/58

All: 96.531+/-0.008 χ^2/NDF: 3044326.9/112

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -14.652+/-152.941 χ^2/NDF: 25.7/30

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -375.838+/-154.902 χ^2/NDF: 38.2/33

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

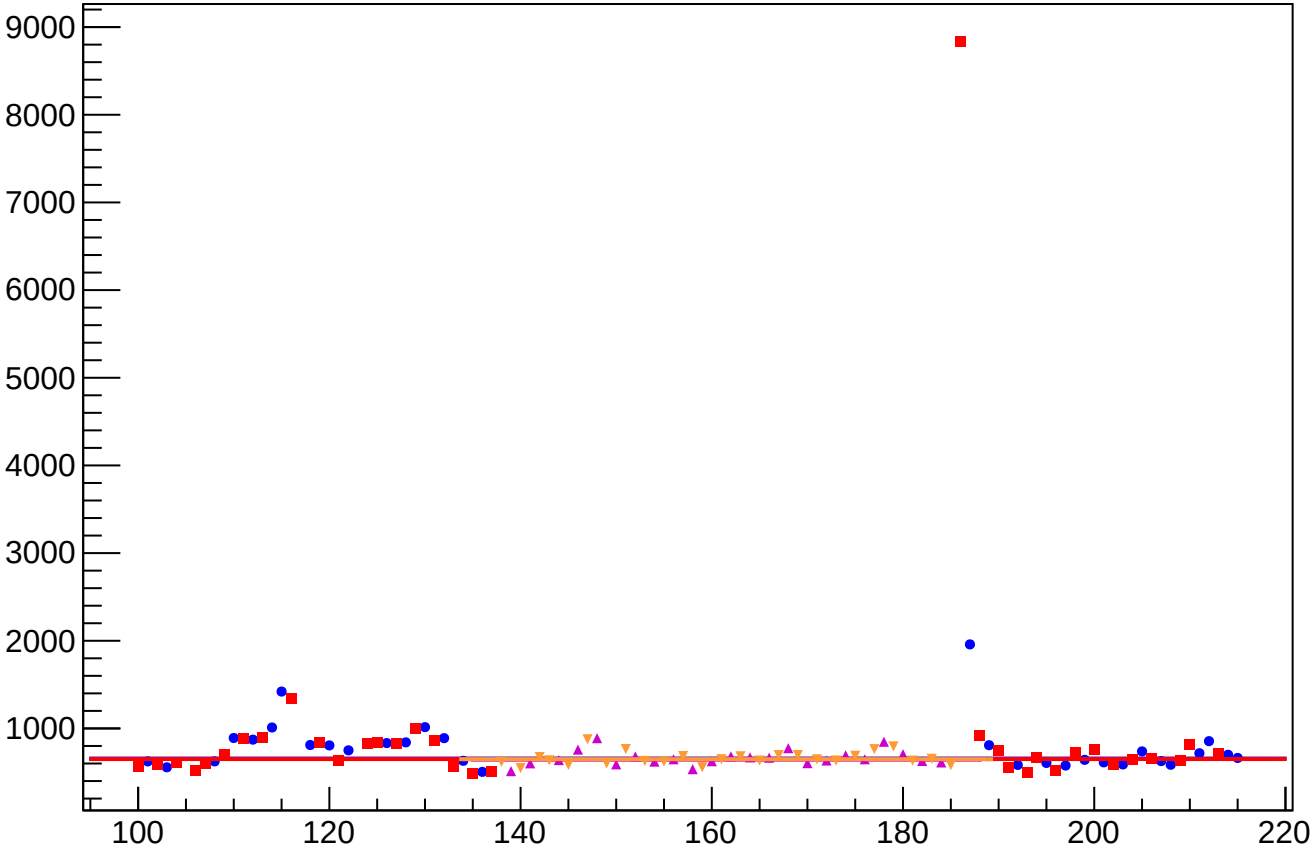
Right: -192.945+/-108.832 χ^2/NDF: 66.7/64

In: -29.034+/-107.833 χ^2/NDF:59.5/53

Out: -83.438+/-107.317 χ^2/NDF:64.1/58

All: -56.366+/-76.066 χ^2/NDF: 123.7/112

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 656.340+/-0.108 χ^2/NDF: 1232631.8/30

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 650.804+/-0.110 χ^2/NDF: 2063626.8/33

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

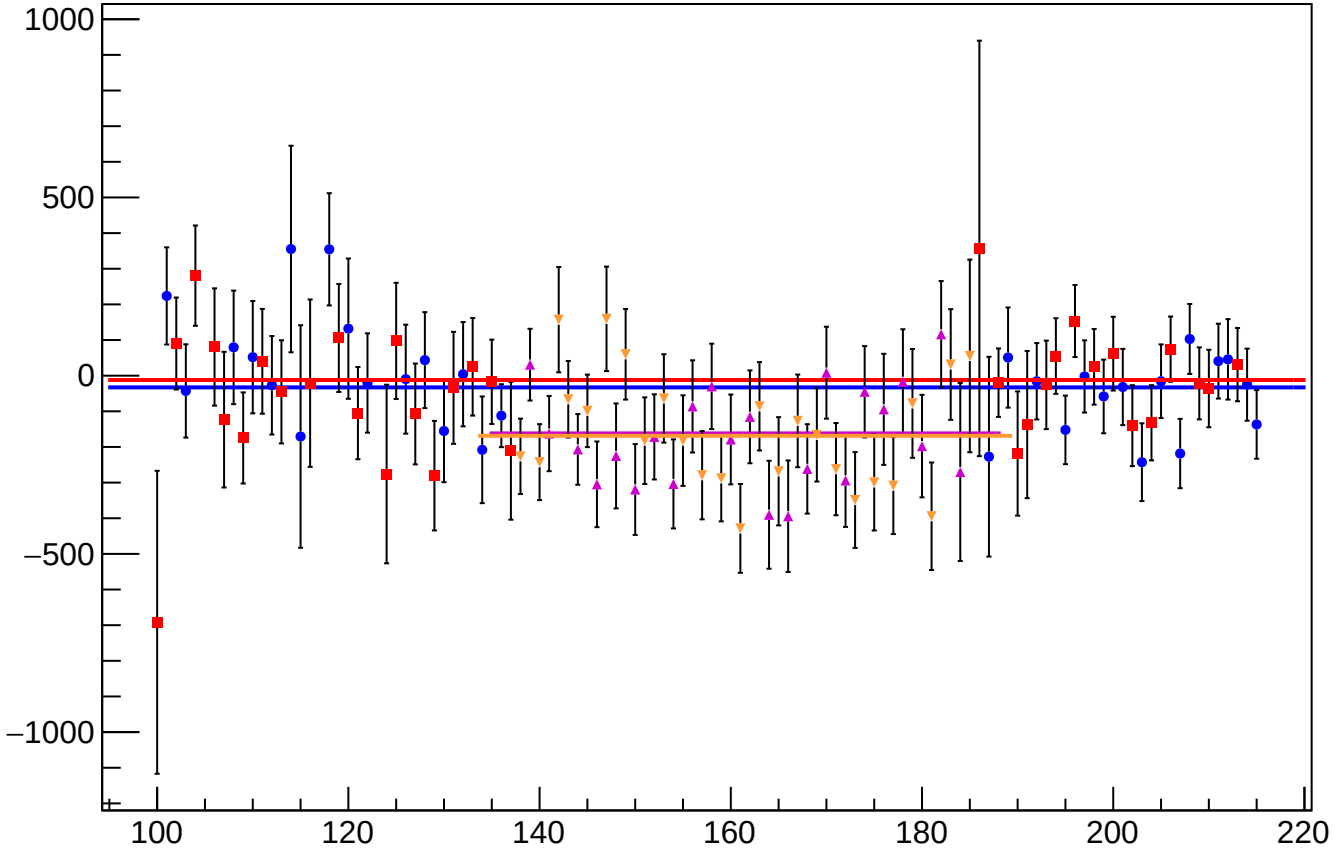
Right: 653.607+/-0.077 χ^2/NDF: 3297552.4/64

In: 650.171+/-0.076 χ^2/NDF:1798224.1/53

Out: 649.964+/-0.076 χ^2/NDF:2482105.2/58

All: 650.067+/-0.054 χ^2/NDF: 4280333.0/112

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -32.838+/-22.090 χ^2/NDF: 30.4/30

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -12.208+/-22.582 χ^2/NDF: 26.9/33

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

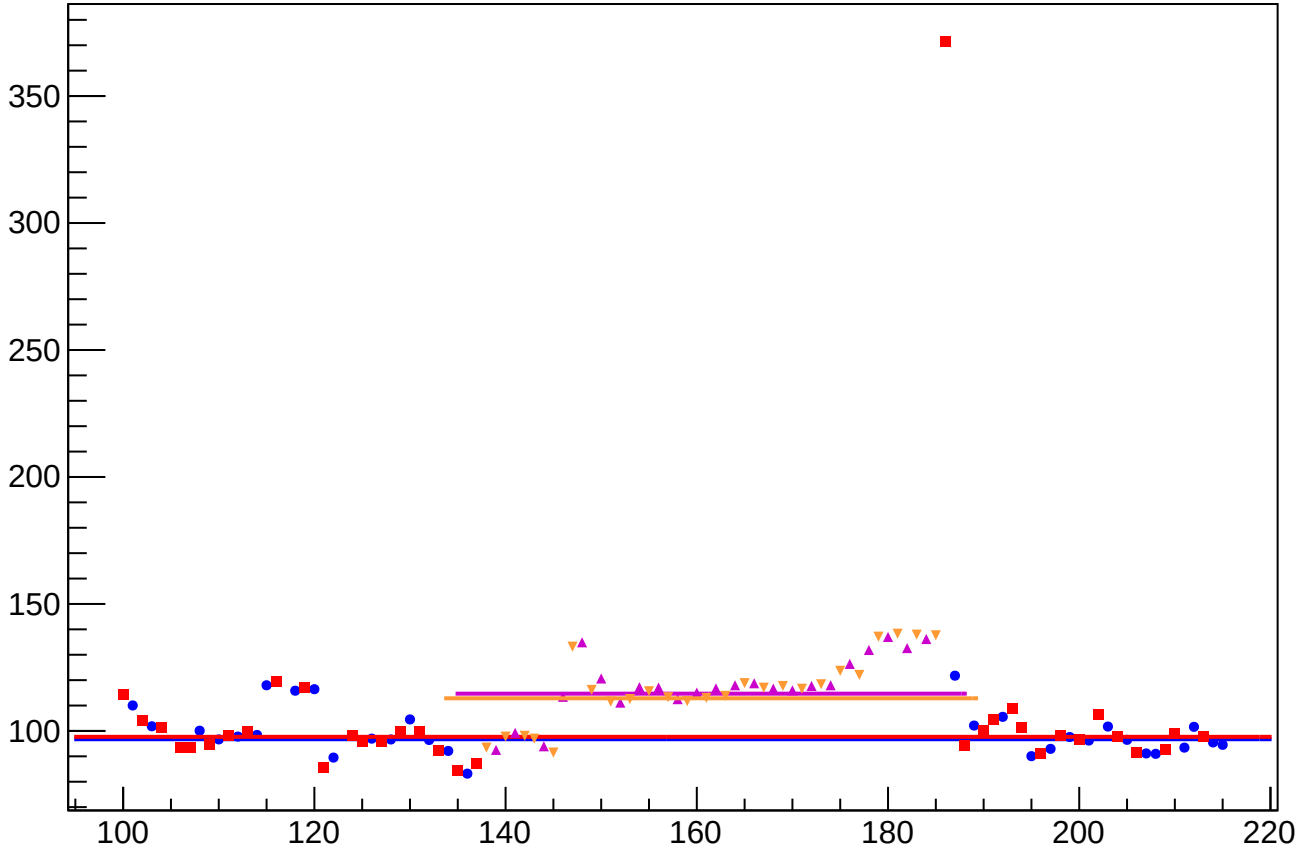
Right: -22.750+/-15.791 χ^2/NDF: 57.7/64

In: -84.760+/-17.084 χ^2/NDF:67.7/53

Out: -80.004+/-16.998 χ^2/NDF:80.1/58

All: -82.370+/-12.049 χ^2/NDF: 147.8/112

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 96.735+/-0.016 χ^2/NDF: 212007.4/30

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.679+/-0.016 χ^2/NDF: 615349.5/33

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

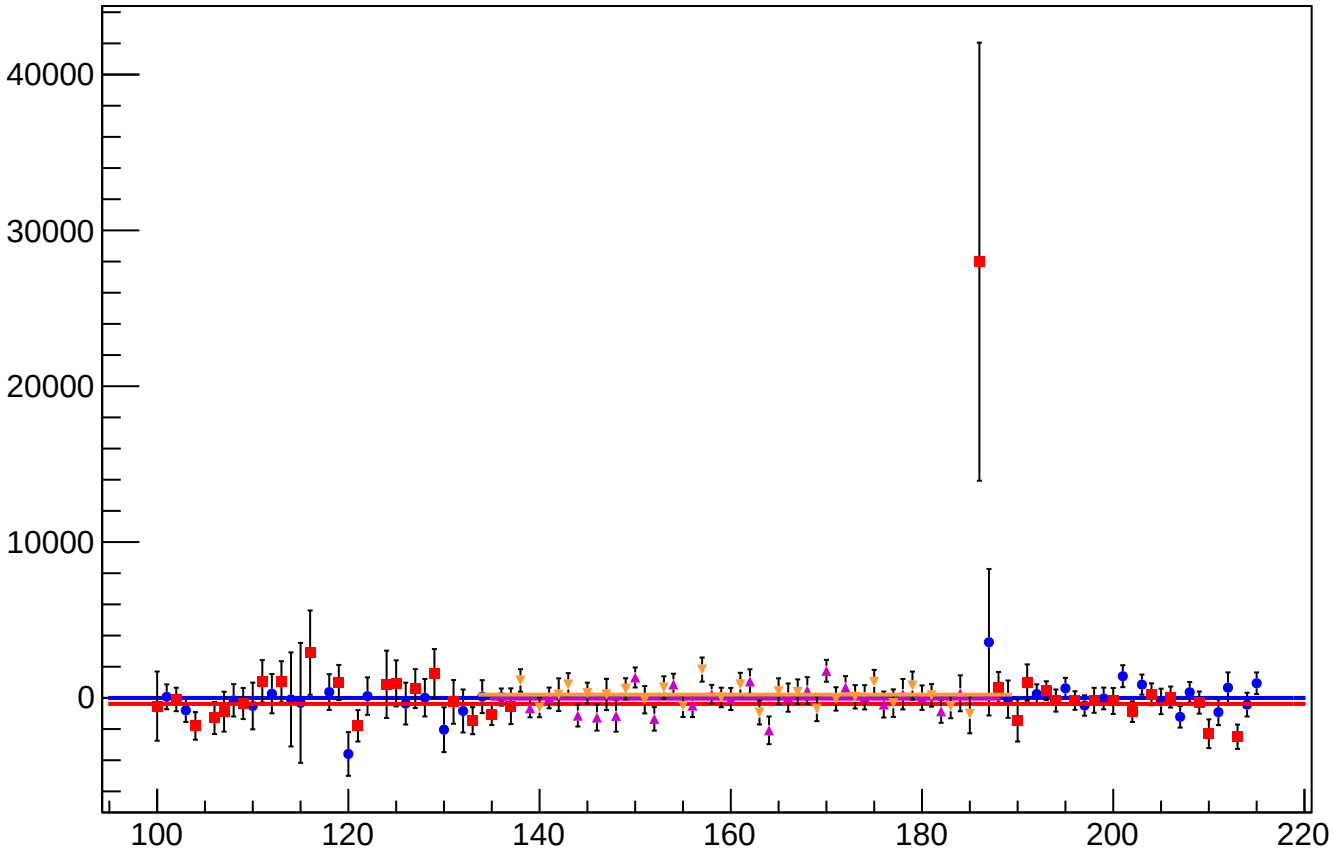
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.197+/-0.011 χ^2/NDF: 829143.0/64

In: 103.946+/-0.012 χ^2/NDF:1152197.0/53

Out: 104.254+/-0.012 χ^2/NDF:1518800.6/58

All: 104.101+/-0.009 χ^2/NDF: 2671324.2/112



Right In: -5.097+/-157.160 χ^2/NDF: 25.6/30

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -386.935+/-159.456 χ^2/NDF: 39.5/33

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

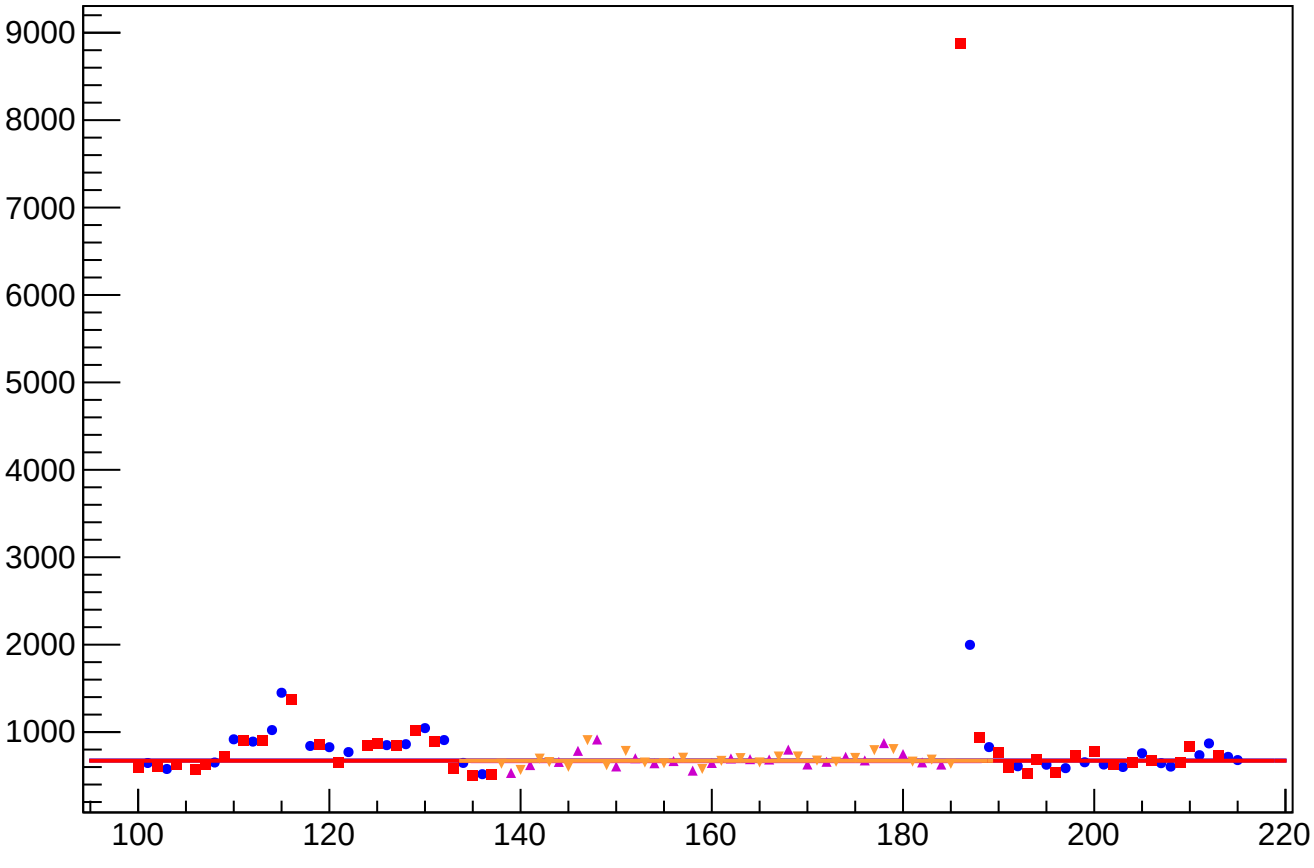
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -193.247+/-111.932 χ^2/NDF: 68.0/64

In: -27.635+/-111.244 χ^2/NDF:59.0/53

Out: -78.258+/-110.745 χ^2/NDF:65.6/58

All: -53.060+/-78.484 χ^2/NDF: 124.7/112



Right In: 674.896+/-0.111 χ^2/NDF: 1210943.9/30

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 672.251+/-0.113 χ^2/NDF: 1967444.4/33

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

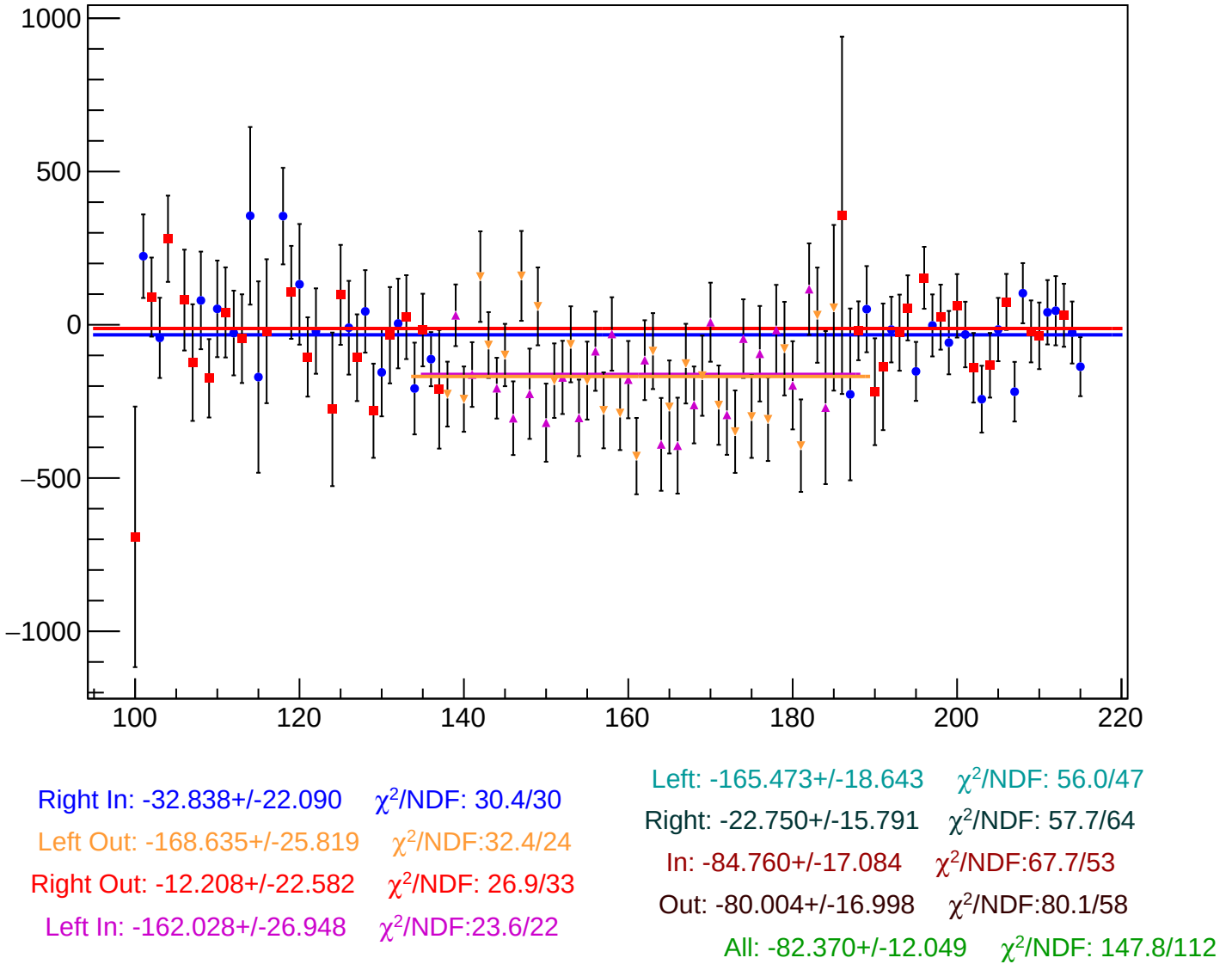
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

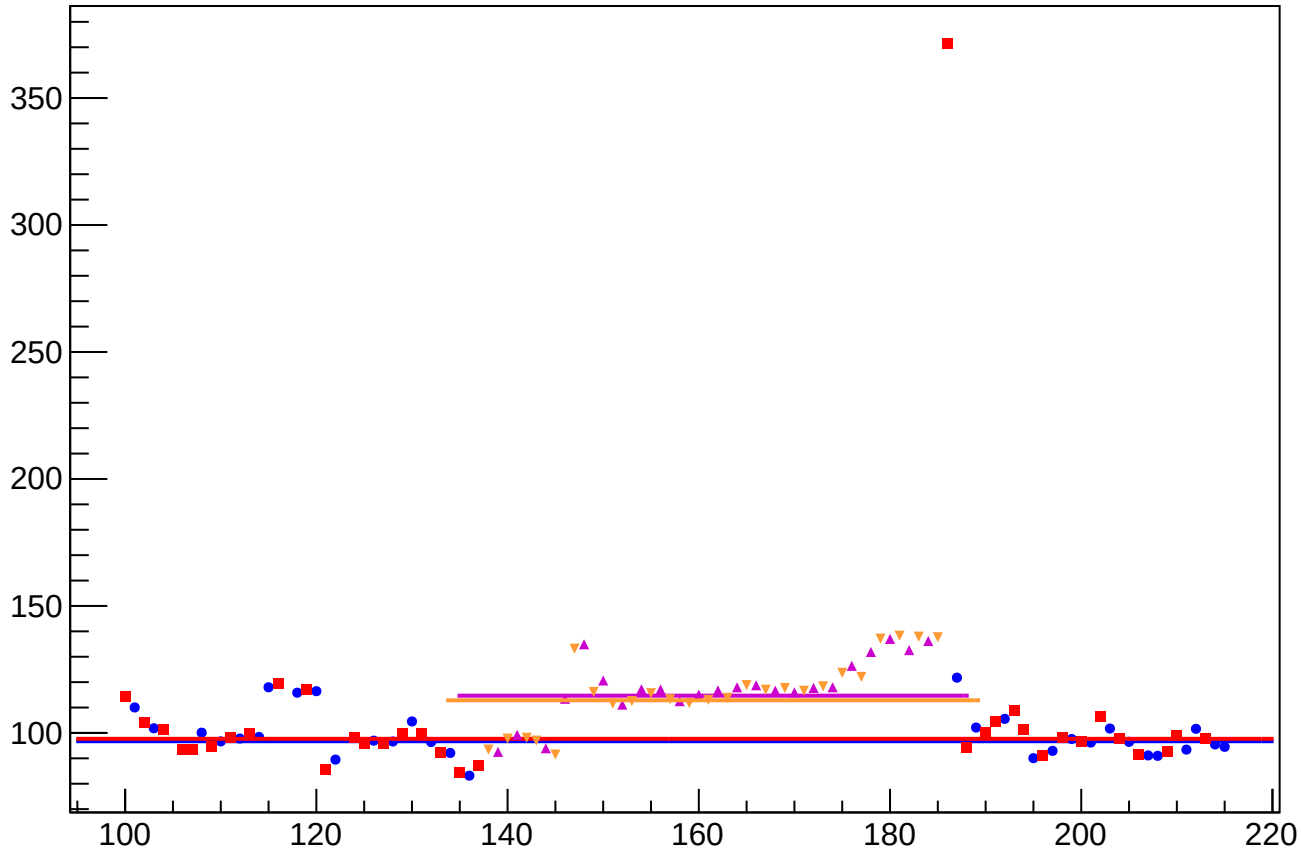
Right: 673.593+/-0.079 χ^2/NDF: 3178667.3/64

In: 671.126+/-0.079 χ^2/NDF:1760153.4/53

Out: 672.043+/-0.078 χ^2/NDF:2366610.9/58

All: 671.587+/-0.055 χ^2/NDF: 4126832.5/112


eigen_dit_asym_sam_15_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: -32.838+/-22.090 χ²/NDF: 30.4/30
Left Out: -168.635+/-25.819 χ²/NDF:32.4/24
Right Out: -12.208+/-22.582 χ²/NDF: 26.9/33
Left In: -162.028+/-26.948 χ²/NDF:23.6/22
Left: -165.473+/-18.643 χ²/NDF: 56.0/47
Right: -22.750+/-15.791 χ²/NDF: 57.7/64
In: -84.760+/-17.084 χ²/NDF:67.7/53
Out: -80.004+/-16.998 χ²/NDF:80.1/58
All: -82.370+/-12.049 χ²/NDF: 147.8/112



Right In: 96.735+/-0.016 χ^2/NDF: 212010.8/30

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.679+/-0.016 χ^2/NDF: 615351.0/33

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

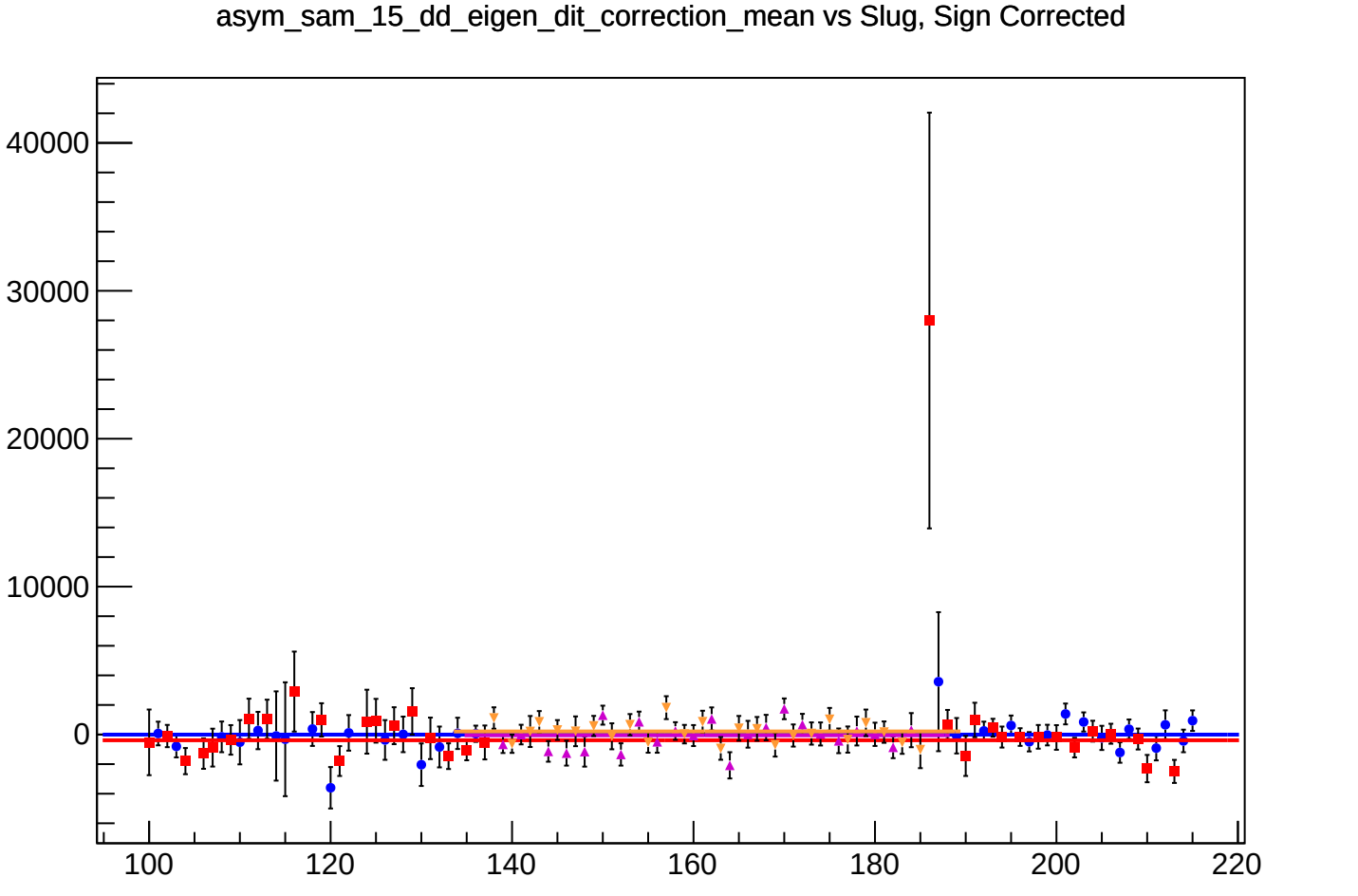
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.197+/-0.011 χ^2/NDF: 829147.8/64

In: 103.946+/-0.012 χ^2/NDF:1152211.3/53

Out: 104.254+/-0.012 χ^2/NDF:1518804.9/58

All: 104.101+/-0.009 χ^2/NDF: 2671342.8/112



Right In: -5.097+/-157.160 χ^2/NDF: 25.6/30

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -386.935+/-159.456 χ^2/NDF: 39.5/33

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

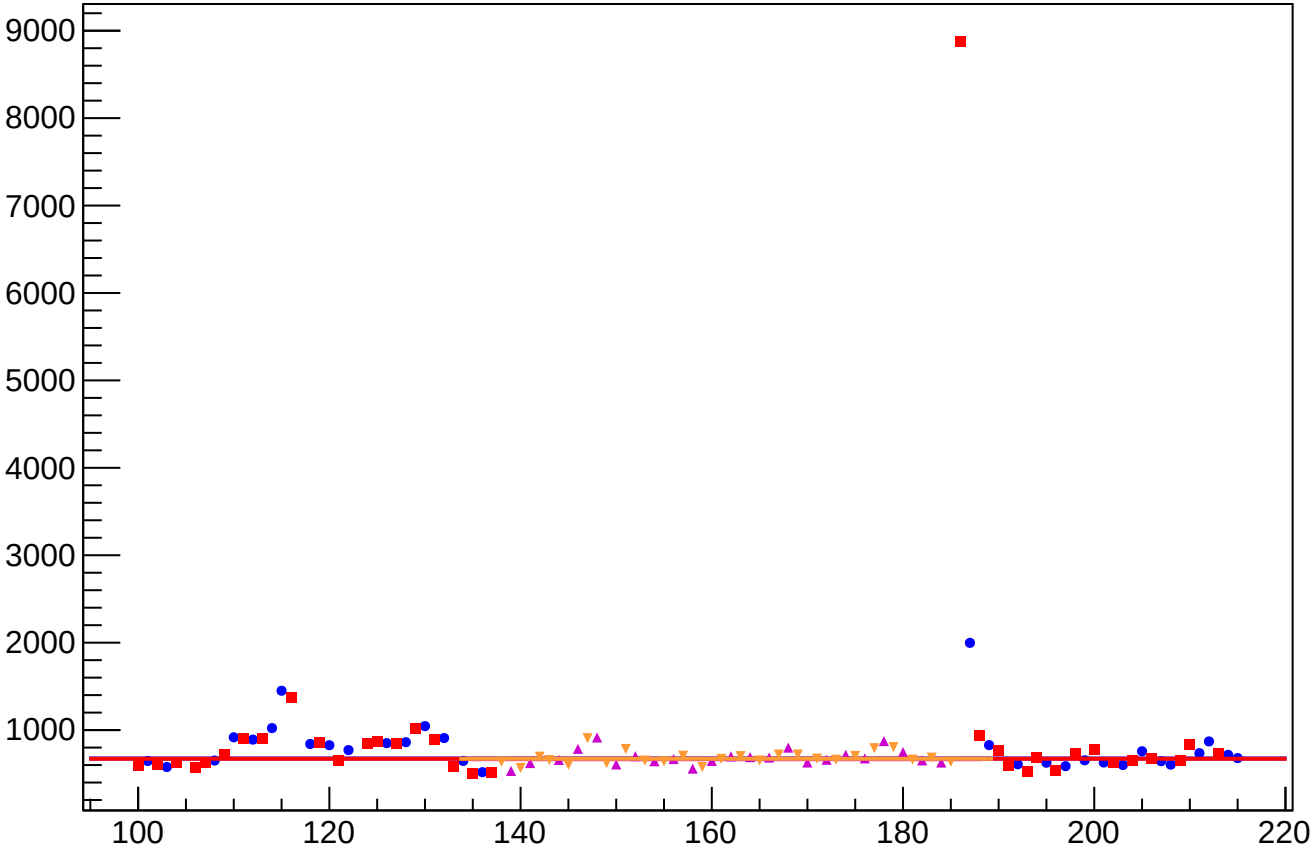
Right: -193.247+/-111.932 χ^2/NDF: 68.0/64

In: -27.635+/-111.244 χ^2/NDF:59.0/53

Out: -78.259+/-110.745 χ^2/NDF:65.6/58

All: -53.061+/-78.484 χ^2/NDF: 124.7/112

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 674.895+/-0.111 χ^2/NDF: 1210944.0/30

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 672.251+/-0.113 χ^2/NDF: 1967448.8/33

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

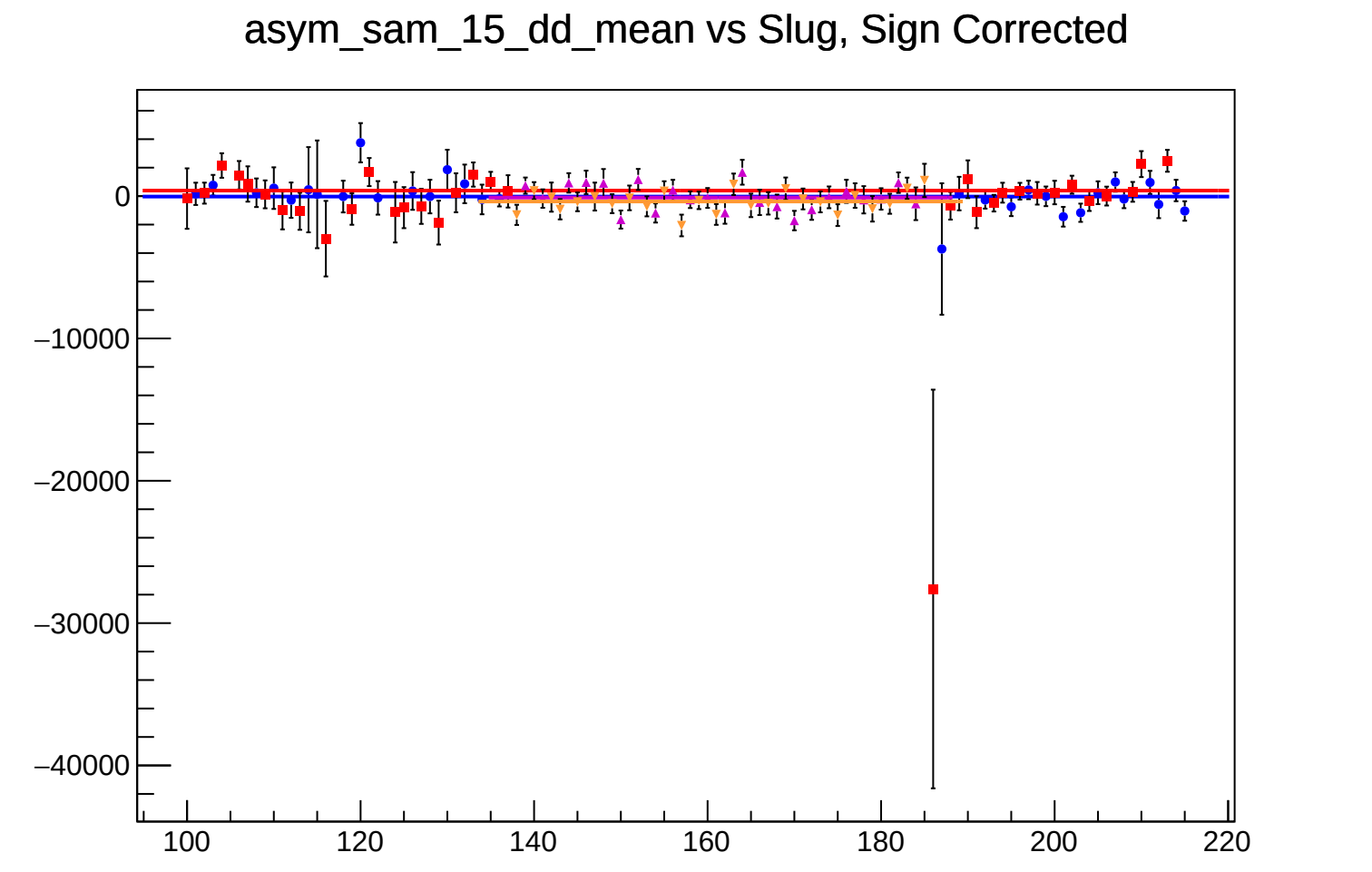
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 673.592+/-0.079 χ^2/NDF: 3178671.9/64

In: 671.126+/-0.079 χ^2/NDF:1760154.9/53

Out: 672.043+/-0.078 χ^2/NDF:2366615.7/58

All: 671.587+/-0.055 χ^2/NDF: 4126838.7/112



Right In: -31.944+/-154.463 χ^2/NDF: 28.2/30

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 390.094+/-156.328 χ^2/NDF: 42.8/33

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

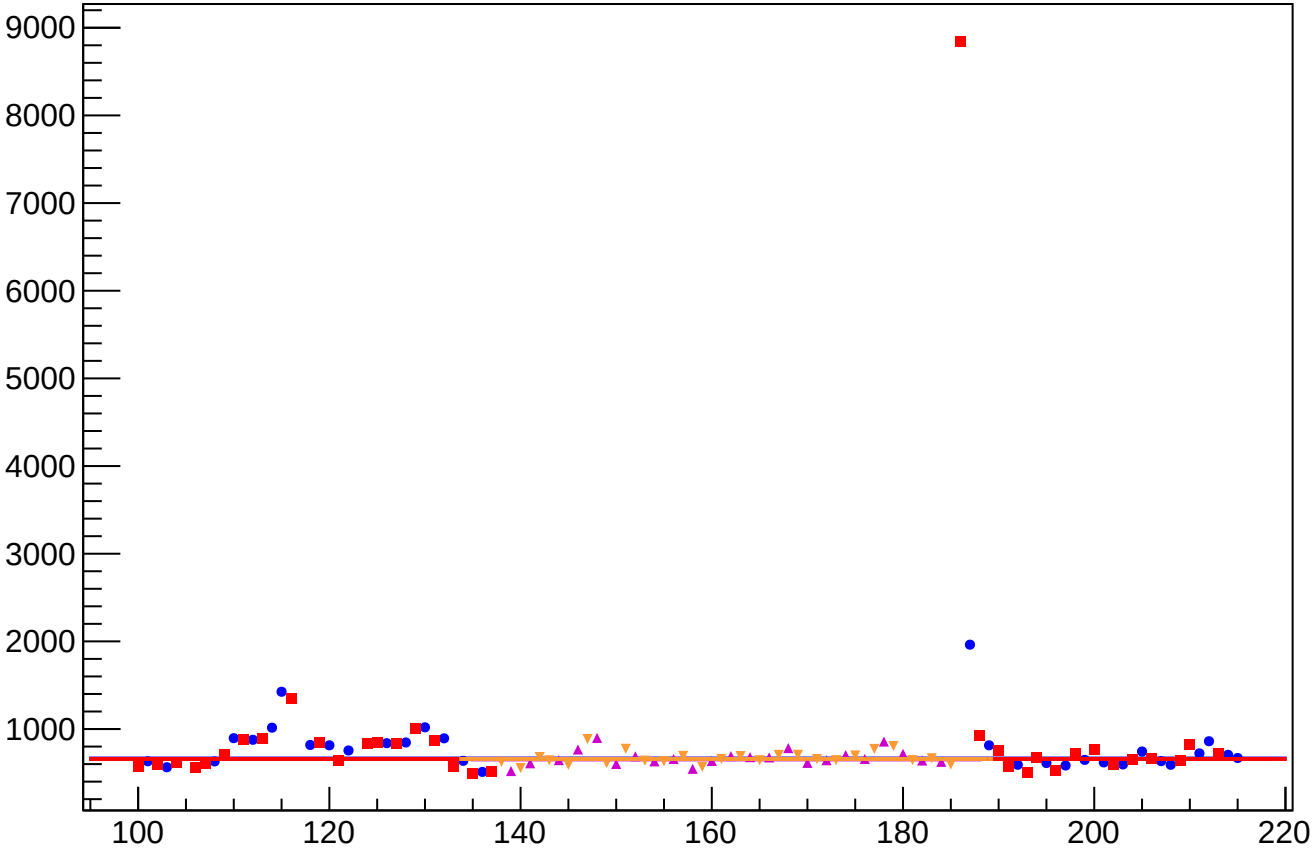
Right: 176.541+/-109.875 χ^2/NDF: 74.6/64

In: -67.662+/-109.176 χ^2/NDF:63.8/53

Out: -6.986+/-108.590 χ^2/NDF:76.6/58

All: -37.161+/-76.991 χ^2/NDF: 140.6/112

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 663.249+/-0.109 χ^2/NDF: 1204933.2/30

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 658.552+/-0.111 χ^2/NDF: 2011882.4/33

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

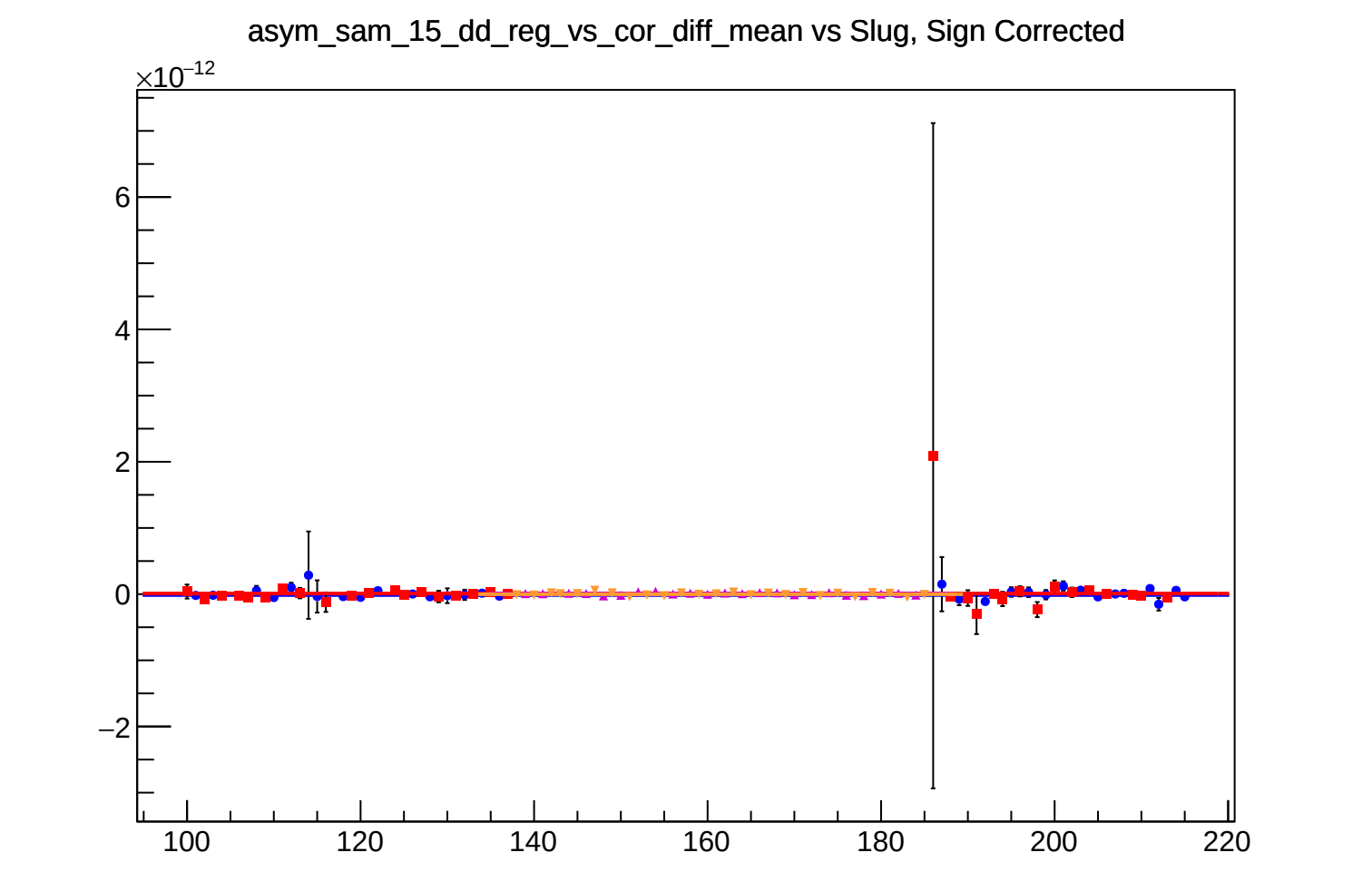
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 660.929+/-0.078 χ^2/NDF: 3217729.2/64

In: 658.596+/-0.077 χ^2/NDF:1750638.6/53

Out: 658.614+/-0.077 χ^2/NDF:2421567.3/58

All: 658.605+/-0.054 χ^2/NDF: 4172206.0/112



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/33

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

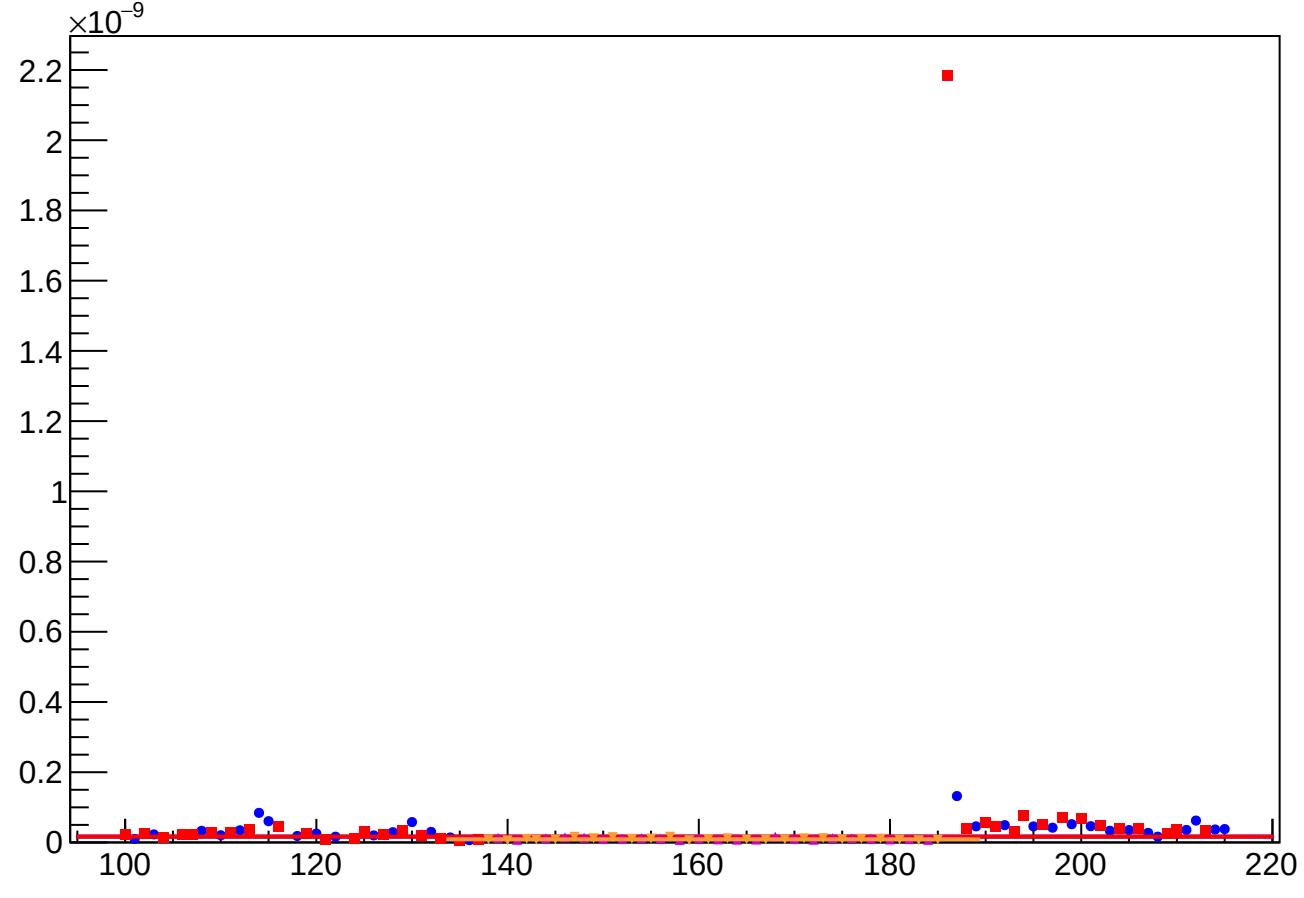
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 62.3/64

In: 0.000+/-0.000 χ^2/NDF:52.0/53

Out: 0.000+/-0.000 χ^2/NDF:61.9/58

All: 0.000+/-0.000 χ^2/NDF: 114.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 7122641.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7752914.7/33

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

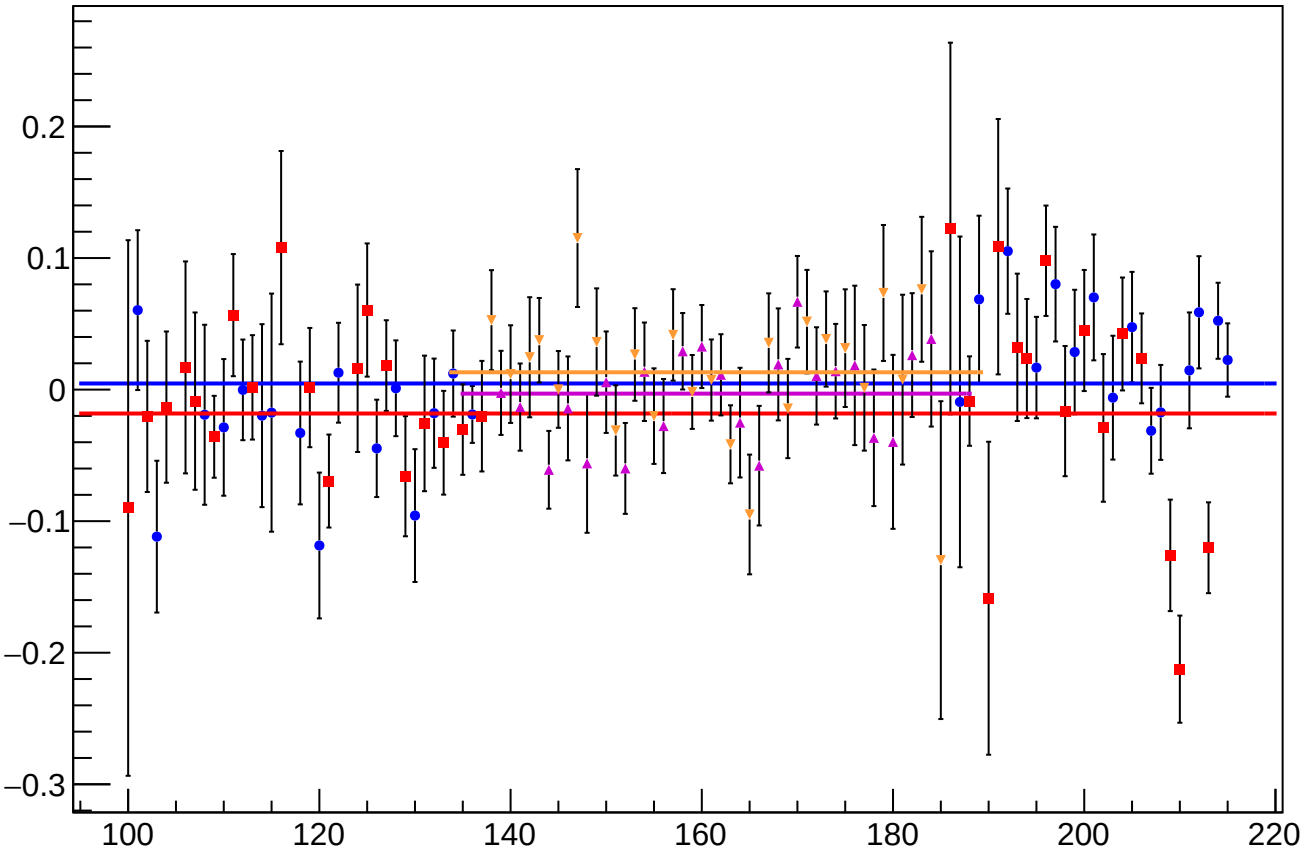
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14875556.7/64

In: 0.000+/-0.000 χ^2/NDF:9115355.8/53

Out: 0.000+/-0.000 χ^2/NDF:10675234.1/58

All: 0.000+/-0.000 χ^2/NDF: 19967781.9/112



Right In: 0.005+/-0.007 χ^2/NDF: 36.6/30

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.018+/-0.008 χ^2/NDF: 71.0/33

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

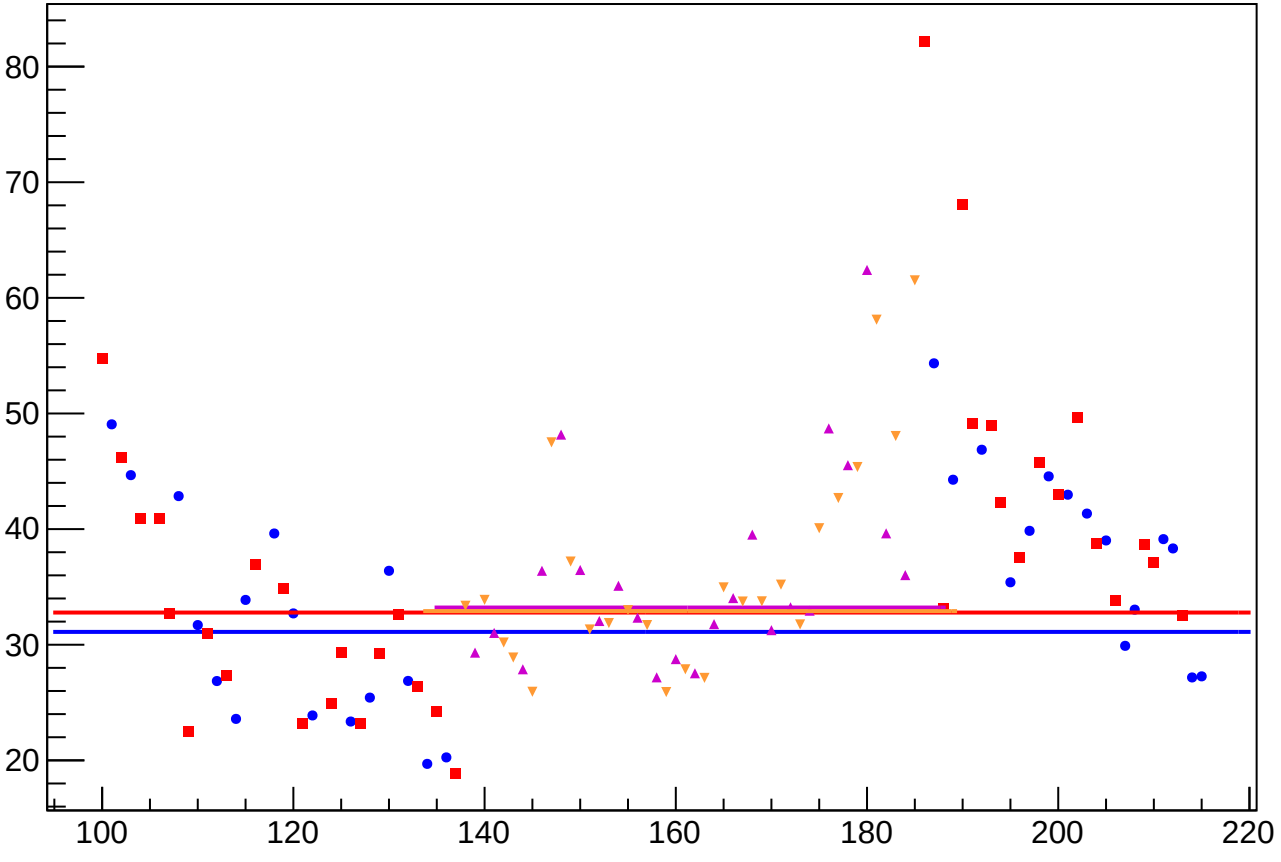
Right: -0.006+/-0.005 χ^2/NDF: 112.0/64

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.000+/-0.004 χ^2/NDF: 160.9/112

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.110+/-0.005 χ^2/NDF: 2579351.2/30

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.784+/-0.006 χ^2/NDF: 2486456.7/33

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

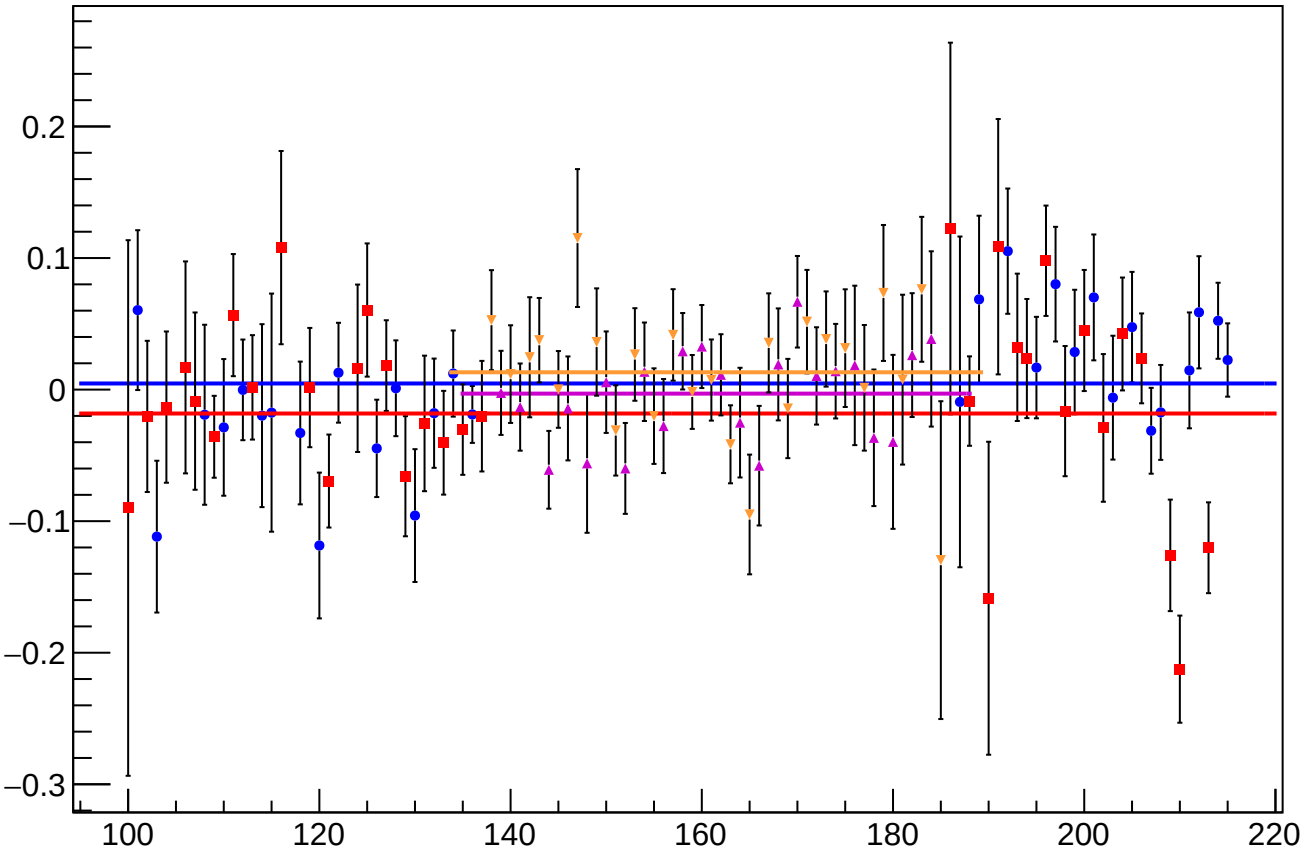
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.895+/-0.004 χ^2/NDF: 5113573.2/64

In: 32.089+/-0.004 χ^2/NDF:3875733.4/53

Out: 32.847+/-0.004 χ^2/NDF:3914632.3/58

All: 32.463+/-0.003 χ^2/NDF: 7809609.0/112



Right In: 0.005+/-0.007 χ^2/NDF: 36.6/30

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.018+/-0.008 χ^2/NDF: 71.0/33

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

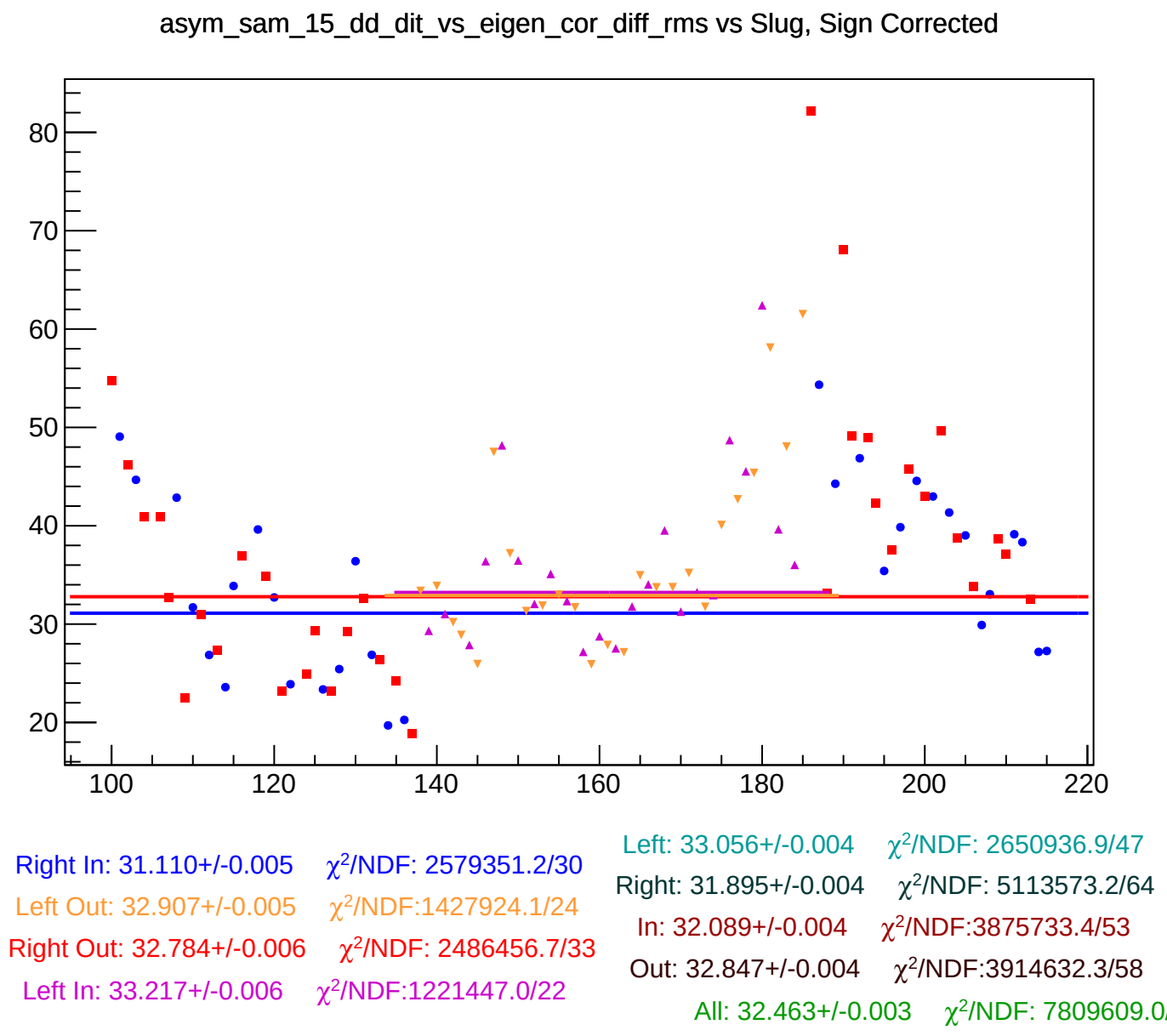
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

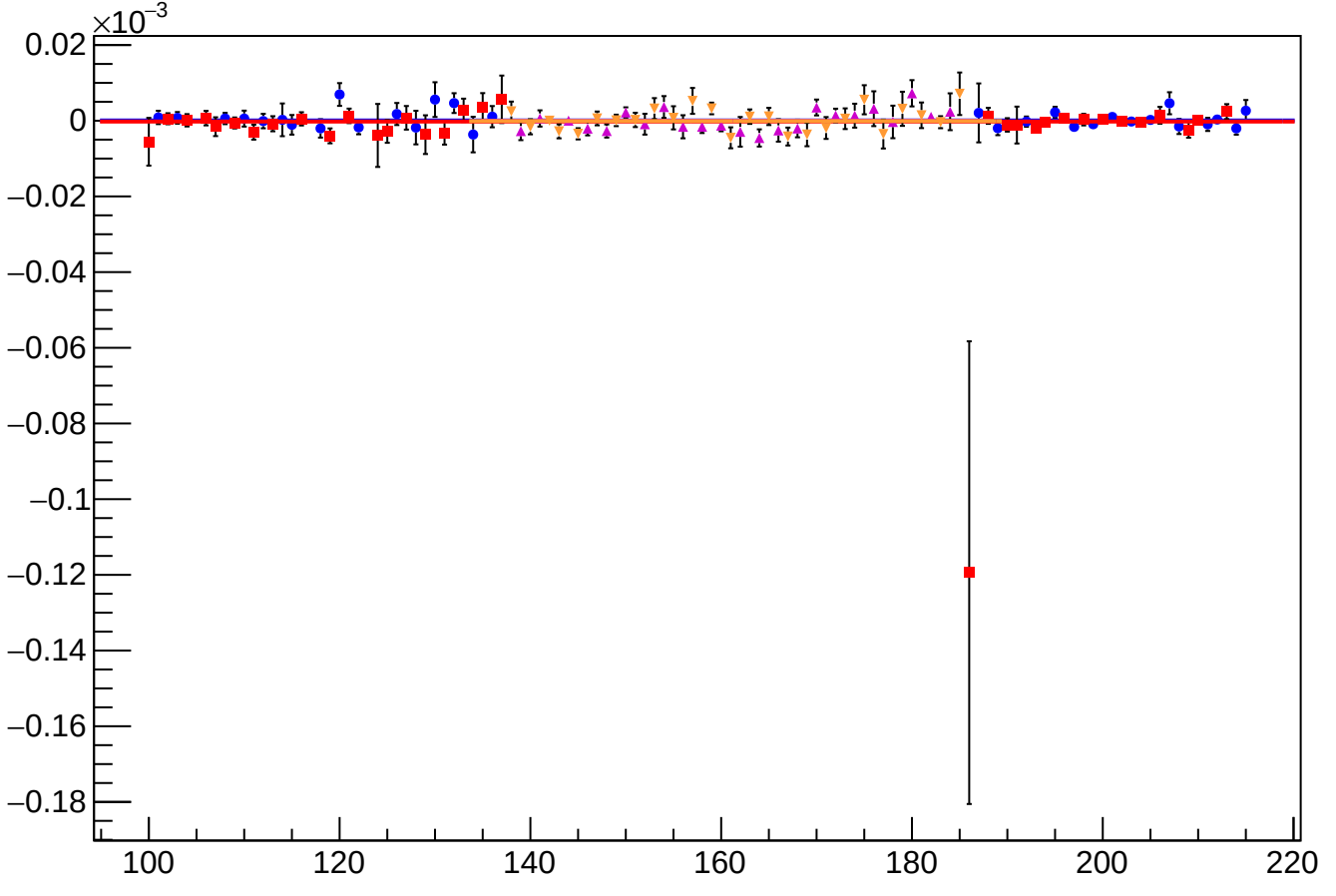
Right: -0.006+/-0.005 χ^2/NDF: 112.0/64

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.000+/-0.004 χ^2/NDF: 160.9/112


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
120
140
160
180
200
220
Right In: 31.110+/-0.005 χ²/NDF: 2579351.2/30
Left Out: 32.907+/-0.005 χ²/NDF:1427924.1/24
Right Out: 32.784+/-0.006 χ²/NDF: 2486456.7/33
Left In: 33.217+/-0.006 χ²/NDF:1221447.0/22
Left: 33.056+/-0.004 χ²/NDF: 2650936.9/47
Right: 31.895+/-0.004 χ²/NDF: 5113573.2/64
In: 32.089+/-0.004 χ²/NDF:3875733.4/53
Out: 32.847+/-0.004 χ²/NDF:3914632.3/58
All: 32.463+/-0.003 χ²/NDF: 7809609.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/33

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

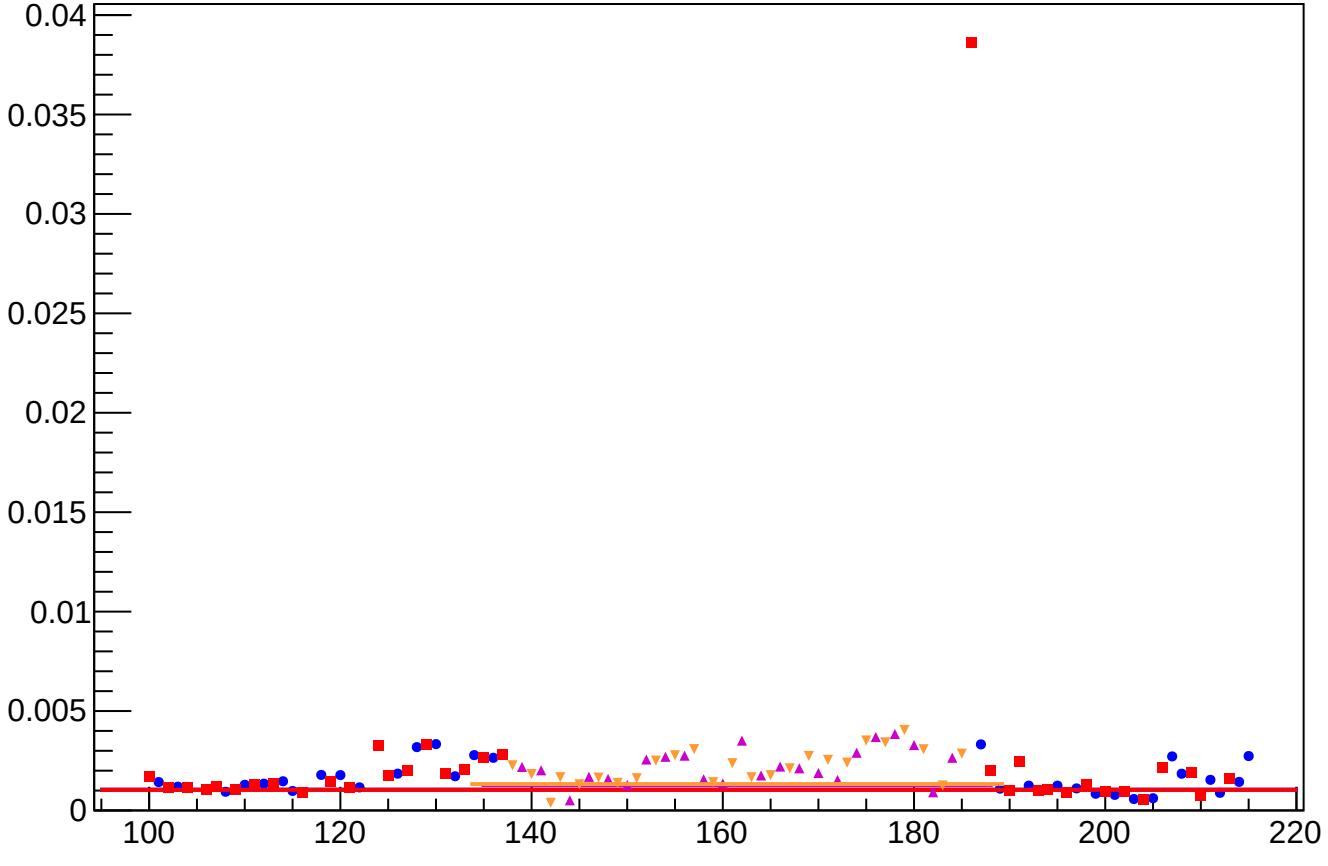
Right: -0.000+/-0.000 χ^2/NDF: 52.6/64

In: 0.000+/-0.000 χ^2/NDF:54.3/53

Out: -0.000+/-0.000 χ^2/NDF:56.0/58

All: -0.000+/-0.000 χ^2/NDF: 110.7/112

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6823467.7/30

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6183543.8/33

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

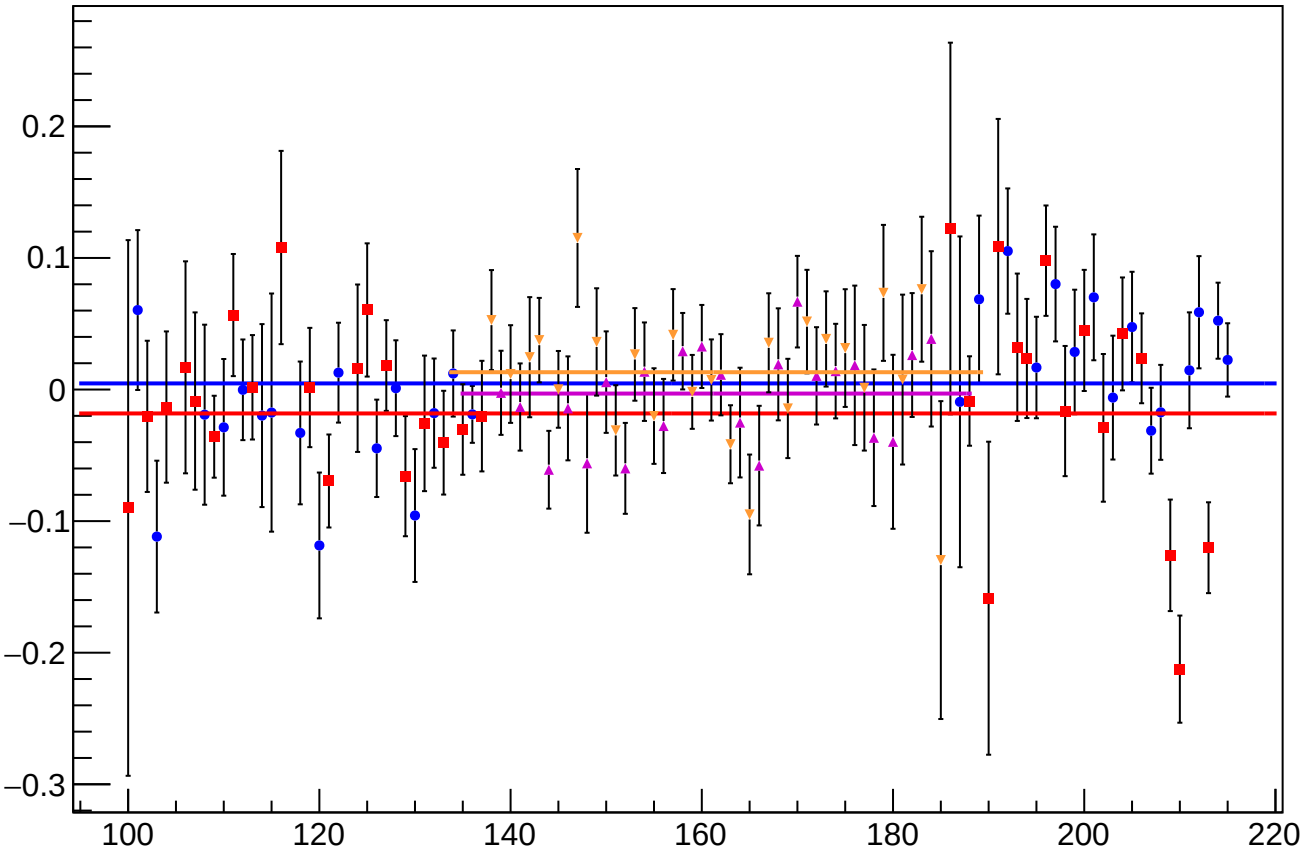
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 13008299.1/64

In: 0.001+/-0.000 χ^2/NDF:17218439.5/53

Out: 0.001+/-0.000 χ^2/NDF:18158299.1/58

All: 0.001+/-0.000 χ^2/NDF: 35377516.2/112



Right In: 0.005+/-0.007 χ^2/NDF: 36.6/30

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.018+/-0.008 χ^2/NDF: 71.0/33

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

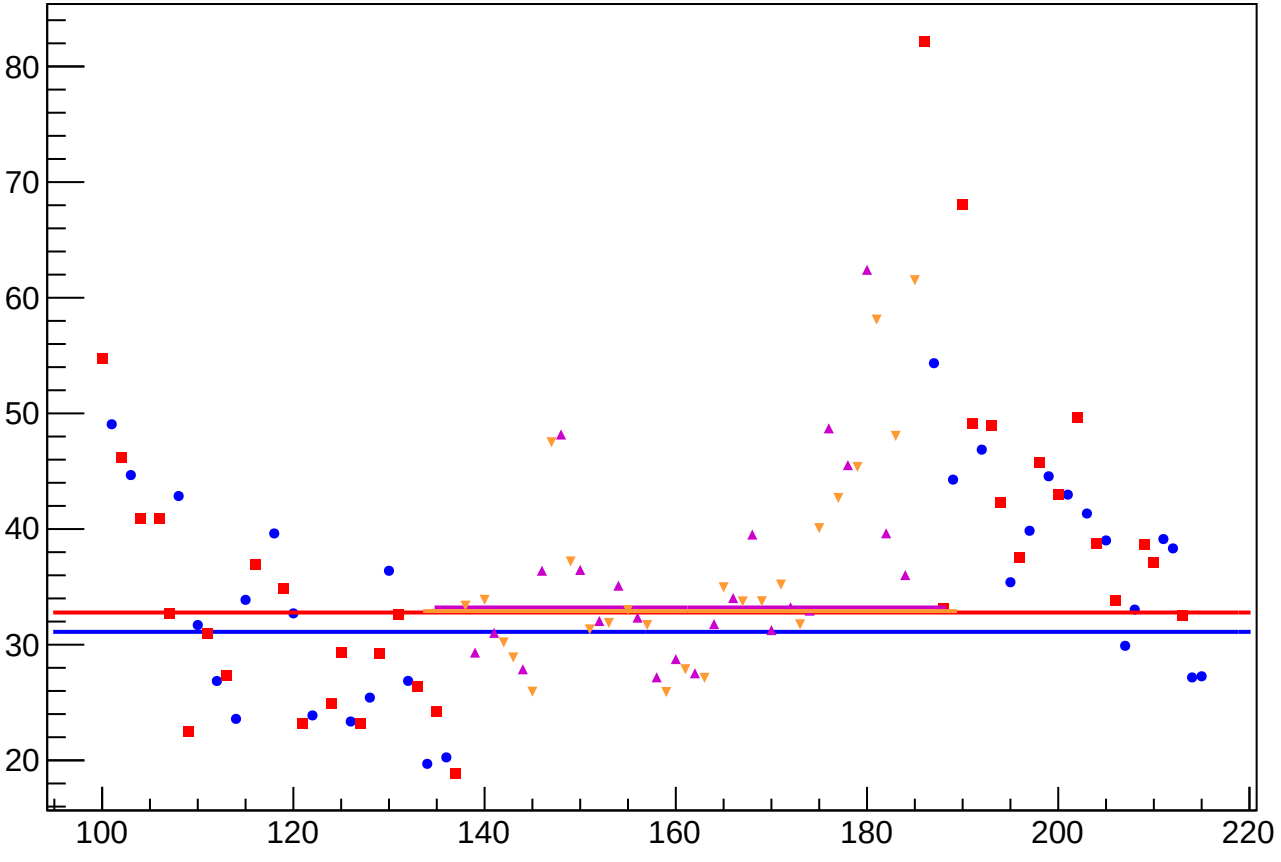
Right: -0.006+/-0.005 χ^2/NDF: 112.0/64

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.000+/-0.004 χ^2/NDF: 160.9/112

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.109+/-0.005 χ^2/NDF: 2579528.1/30

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.783+/-0.006 χ^2/NDF: 2486800.0/33

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

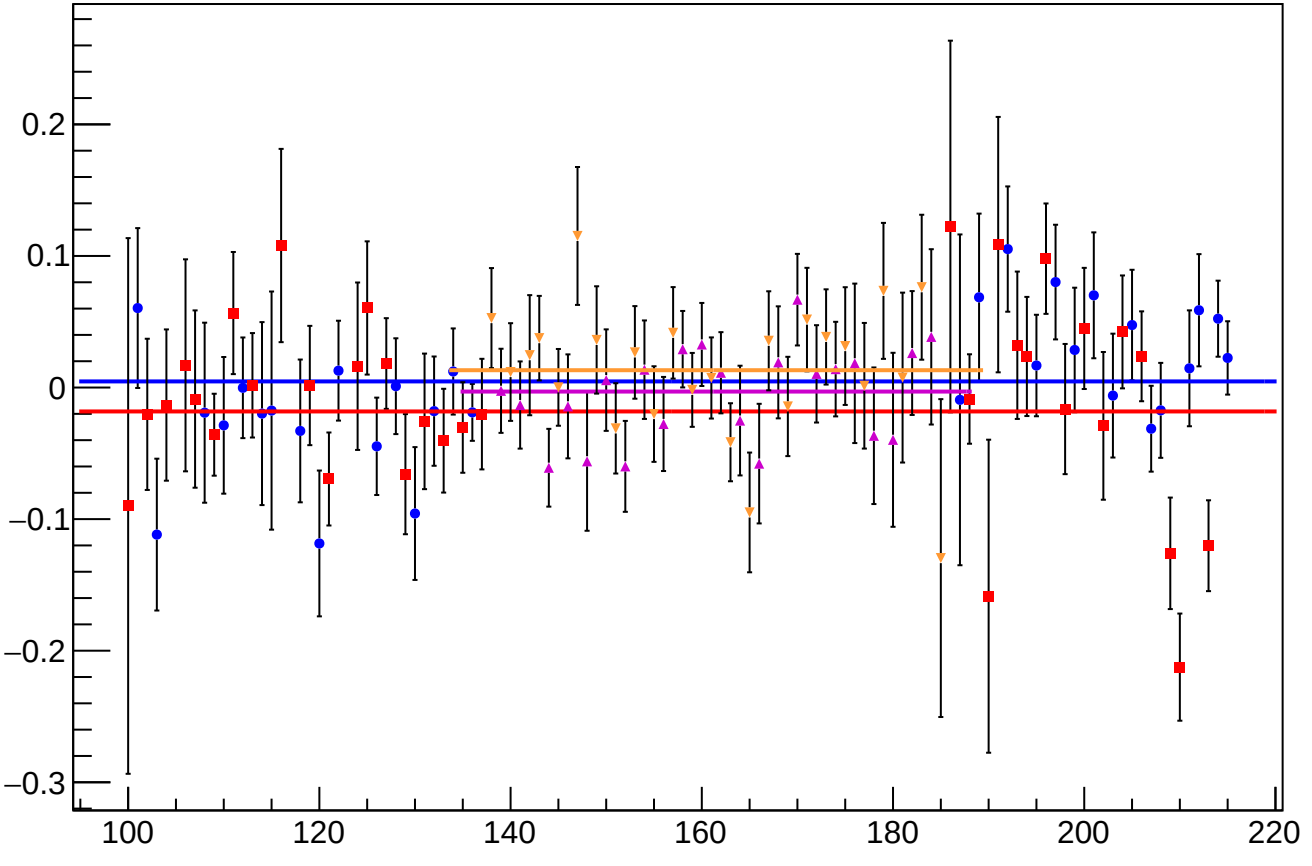
Right: 31.895+/-0.004 χ^2/NDF: 5114071.8/64

In: 32.089+/-0.004 χ^2/NDF:3876029.8/53

Out: 32.847+/-0.004 χ^2/NDF:3915049.3/58

All: 32.462+/-0.003 χ^2/NDF: 7810312.6/112

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 36.6/30

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.018+/-0.008 χ^2/NDF: 71.0/33

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

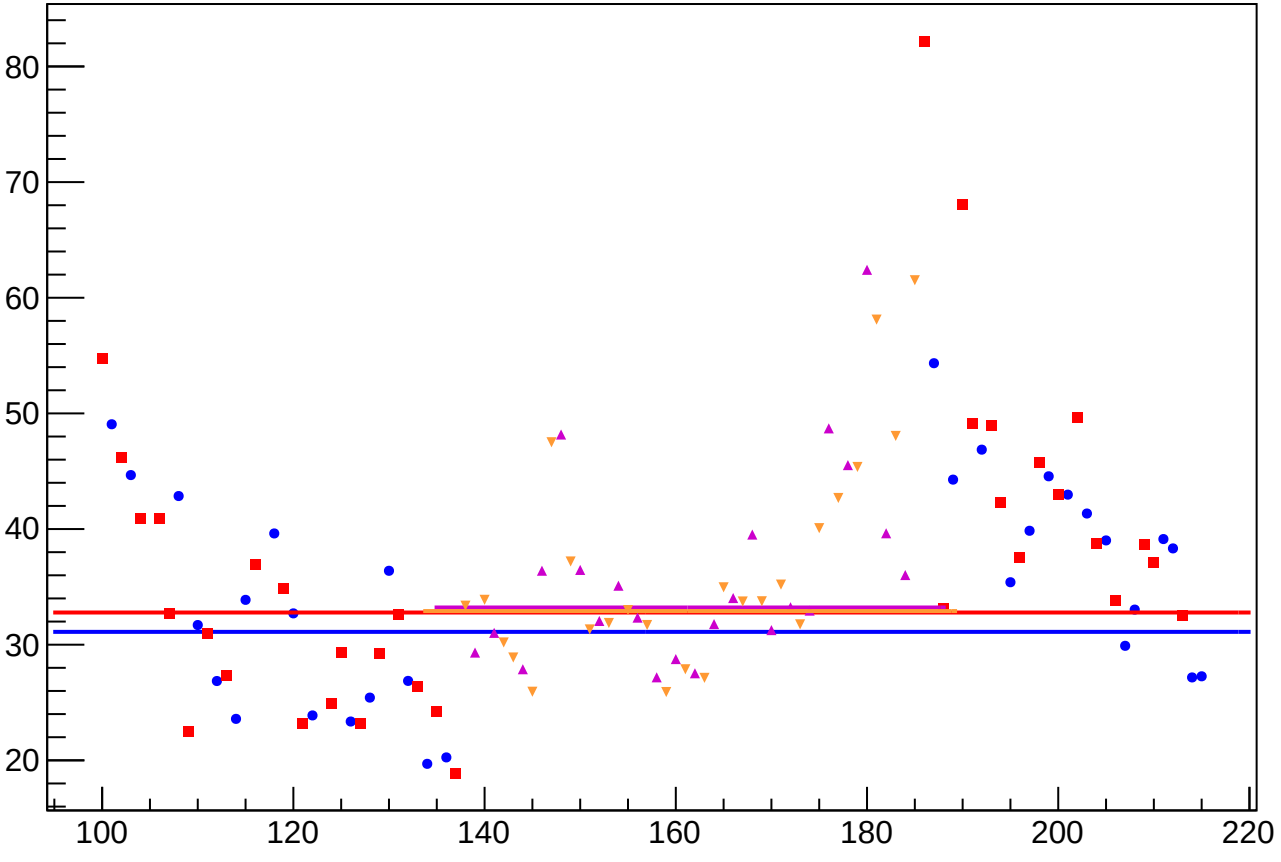
Right: -0.006+/-0.005 χ^2/NDF: 112.0/64

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.002+/-0.006 χ^2/NDF:104.5/58

All: -0.000+/-0.004 χ^2/NDF: 160.9/112

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.109+/-0.005 χ^2/NDF: 2579528.1/30

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.783+/-0.006 χ^2/NDF: 2486800.0/33

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

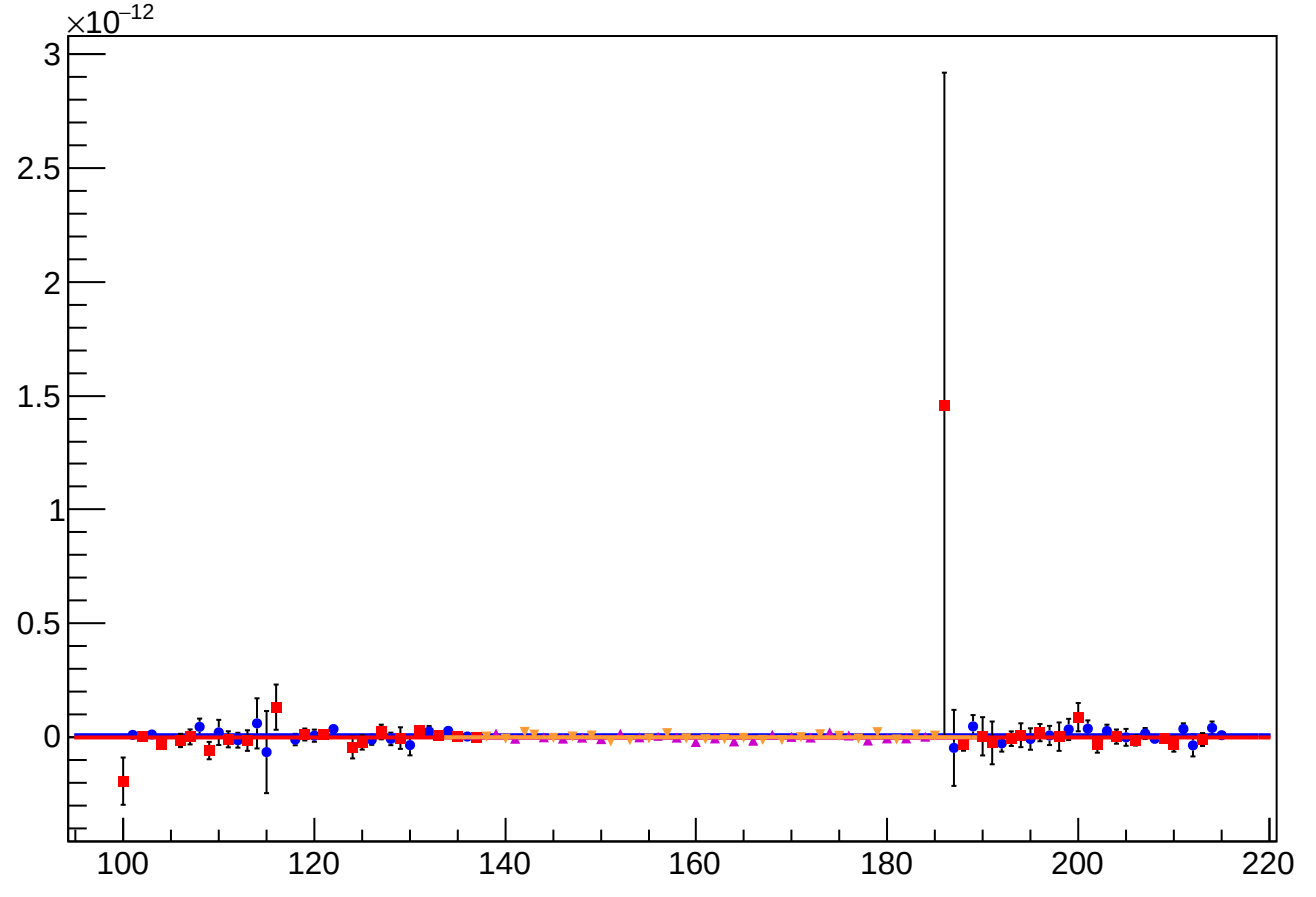
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.895+/-0.004 χ^2/NDF: 5114071.8/64

In: 32.089+/-0.004 χ^2/NDF:3876029.8/53

Out: 32.847+/-0.004 χ^2/NDF:3915049.3/58

All: 32.462+/-0.003 χ^2/NDF: 7810312.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/33

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

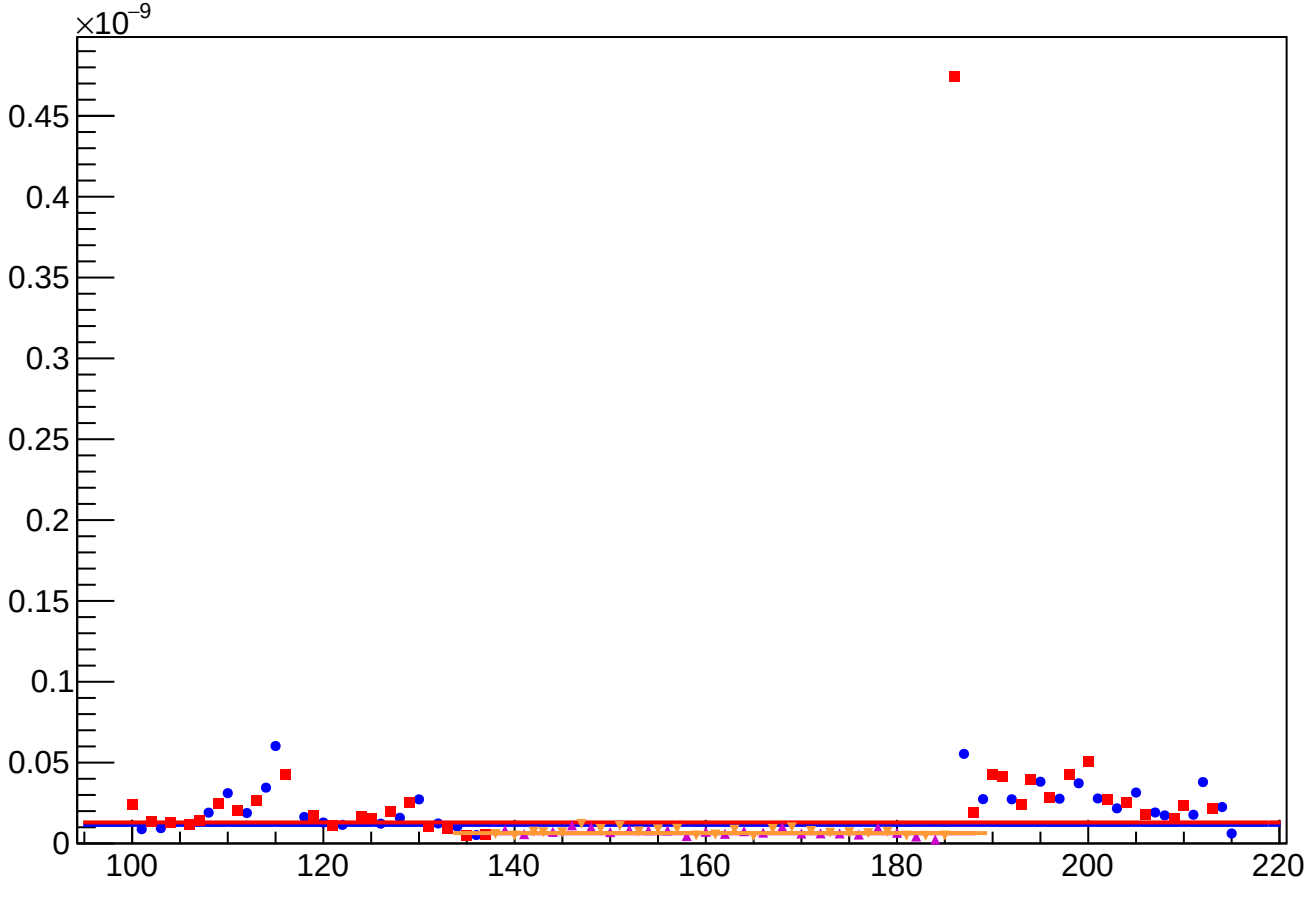
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 41.3/64

In: 0.000+/-0.000 χ^2/NDF:46.4/53

Out: -0.000+/-0.000 χ^2/NDF:53.7/58

All: 0.000+/-0.000 χ^2/NDF: 100.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 8311642.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7631833.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

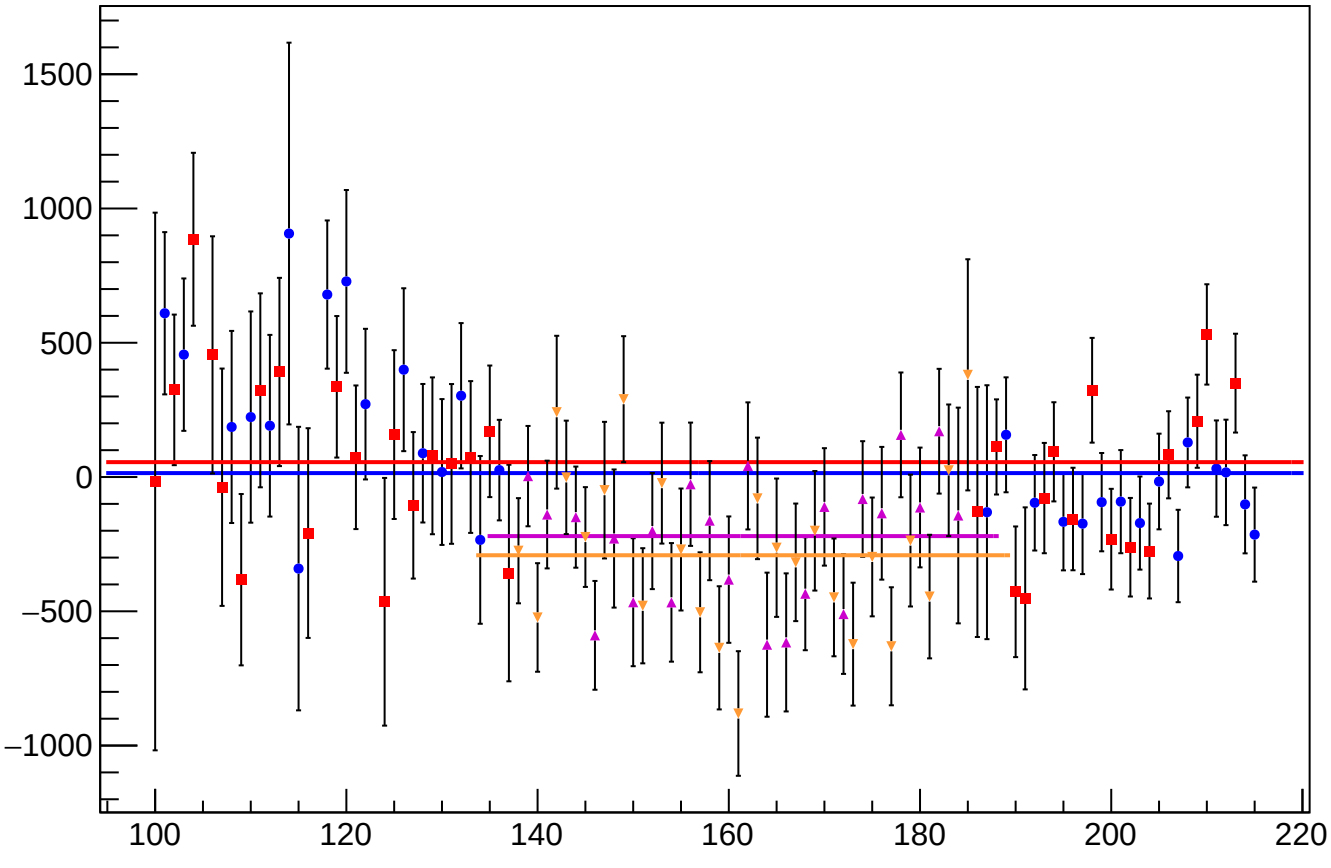
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16081201.2/64

In: 0.000+/-0.000 χ^2/NDF:13340832.4/53

Out: 0.000+/-0.000 χ^2/NDF:13487643.8/58

All: 0.000+/-0.000 χ^2/NDF: 26832904.4/112



Right In: 14.649+/-40.617 χ^2/NDF: 34.2/30

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 55.456+/-41.913 χ^2/NDF: 45.1/33

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

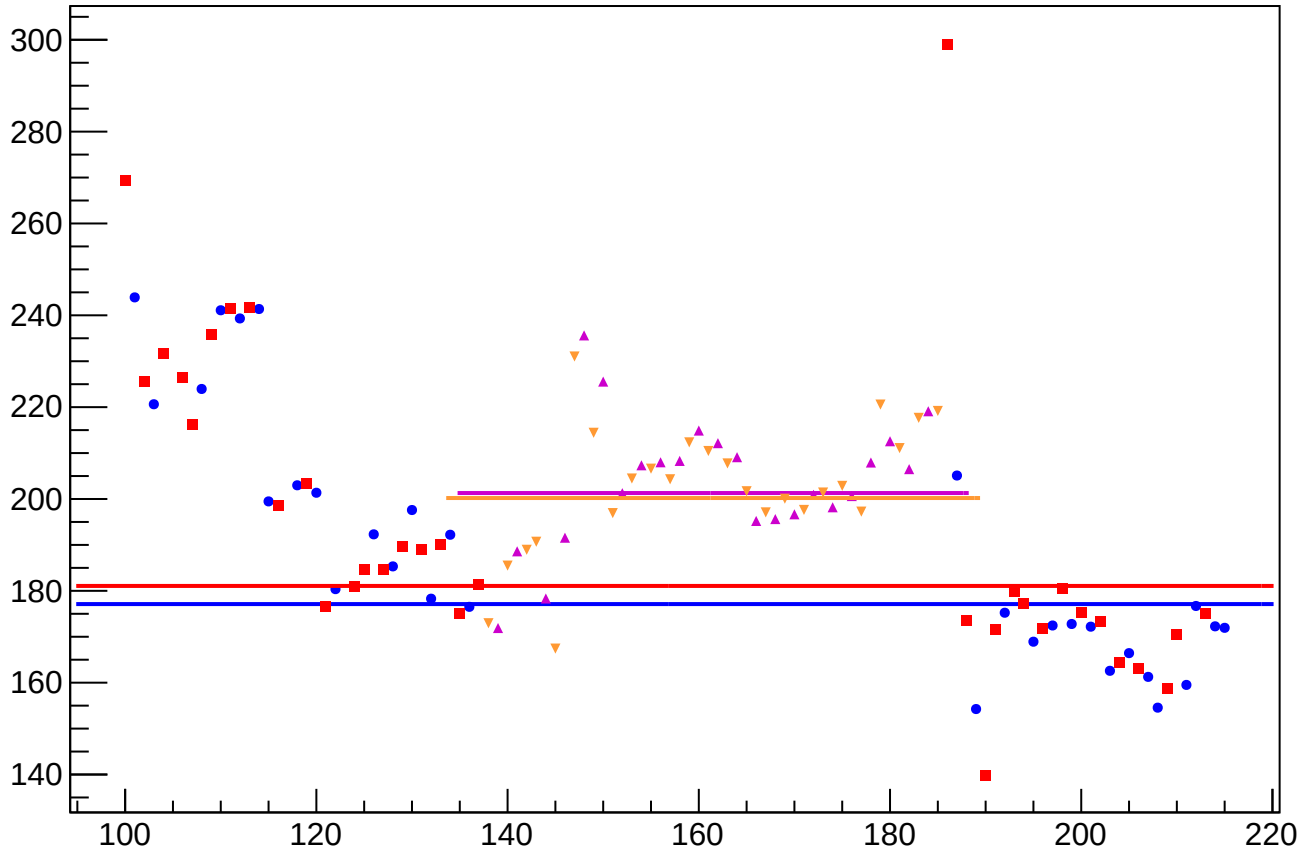
Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

Right: 34.412+/-29.168 χ^2/NDF: 79.8/64

In: -85.305+/-30.772 χ^2/NDF:72.2/53

Out: -103.291+/-30.862 χ^2/NDF:112.8/58

All: -94.272+/-21.791 χ^2/NDF: 185.1/112



Right In: 177.116+/-0.029 χ^2/NDF: 505570.9/30

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 181.067+/-0.030 χ^2/NDF: 636365.7/33

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

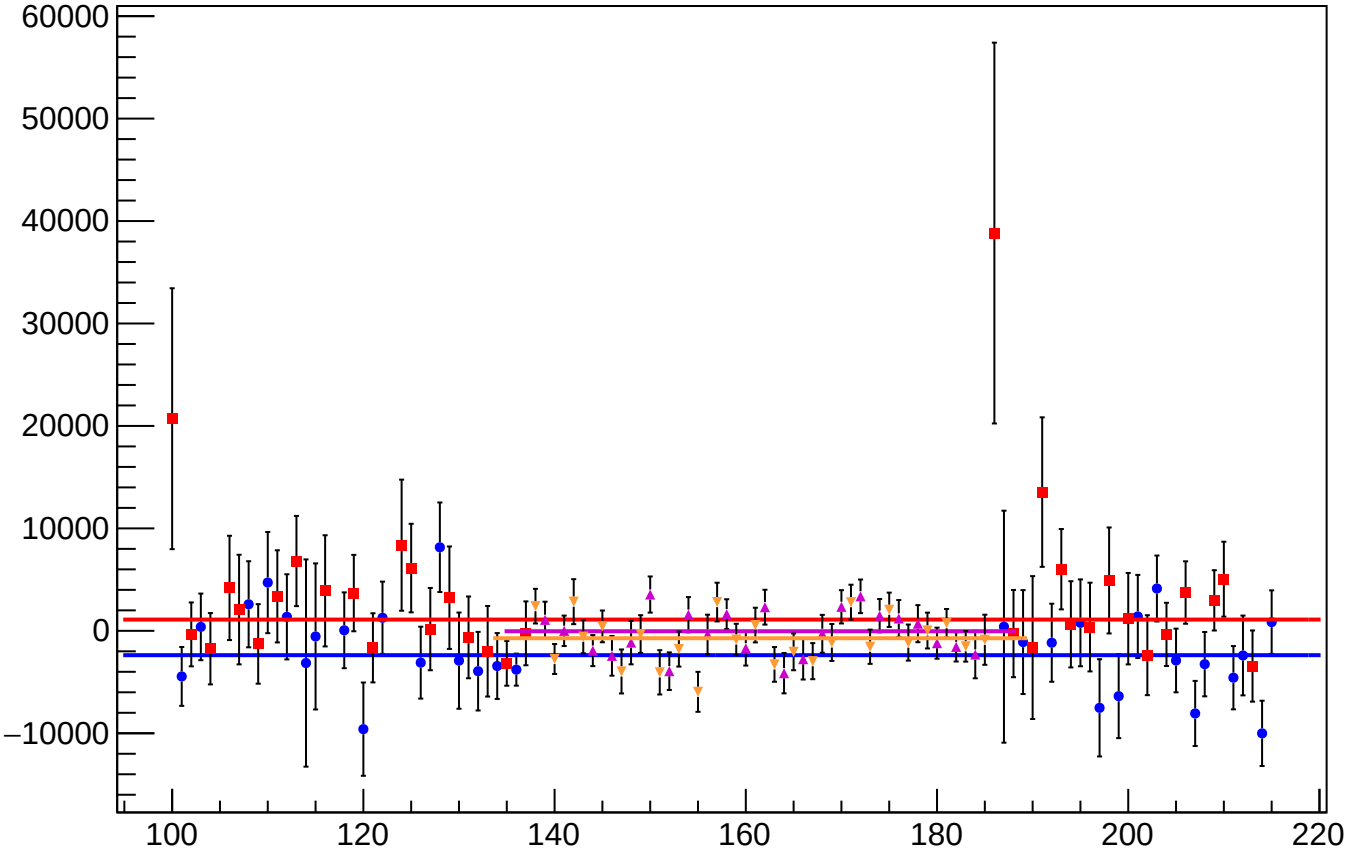
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.029+/-0.021 χ^2/NDF: 1151103.3/64

In: 187.418+/-0.022 χ^2/NDF:989221.5/53

Out: 189.830+/-0.022 χ^2/NDF:1031752.3/58

All: 188.621+/-0.015 χ^2/NDF: 2027103.9/112



Right In: -2376.402+/-636.958 χ^2/NDF: 35.1/30

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 1099.471+/-682.839 χ^2/NDF: 29.5/33

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

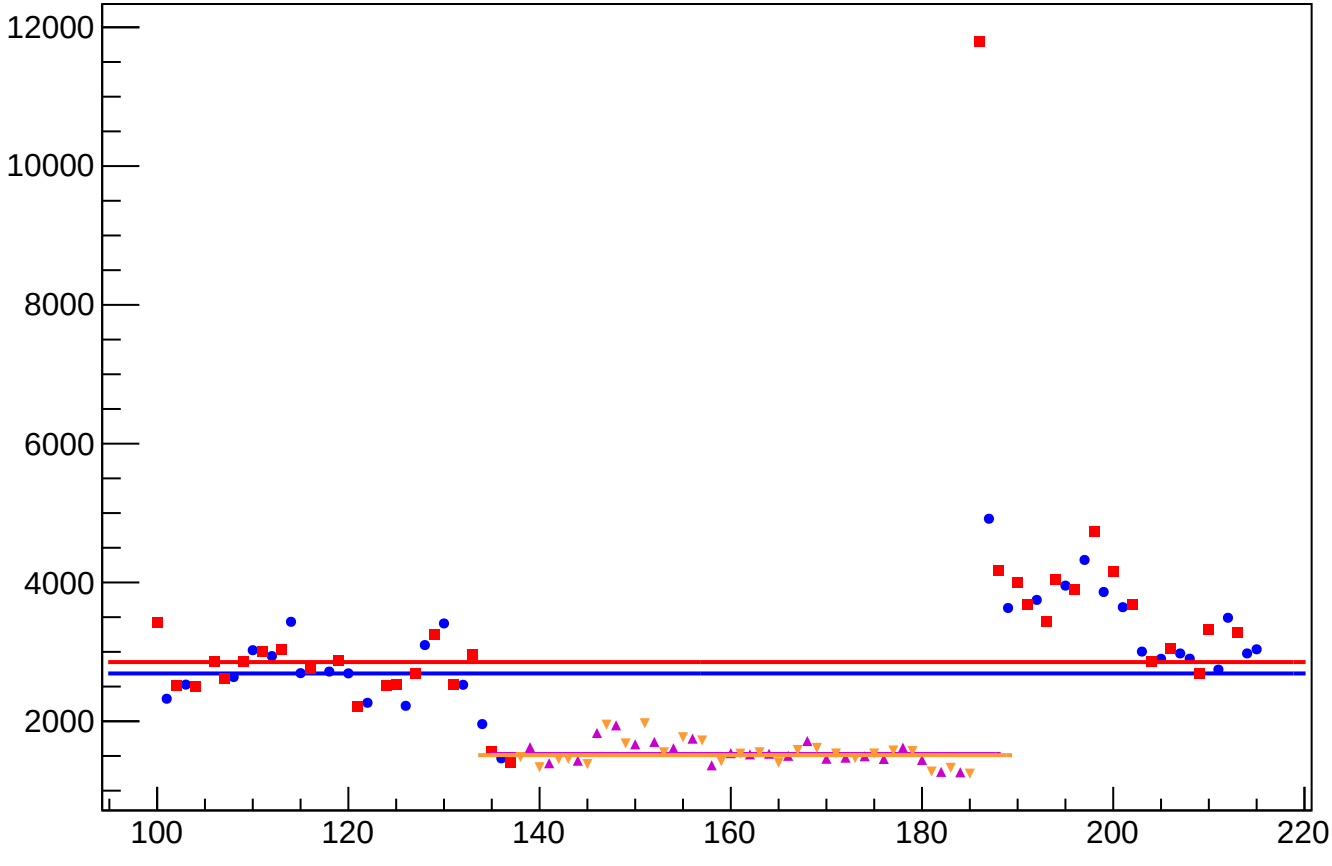
Right: -759.155+/-465.774 χ^2/NDF: 78.4/64

In: -603.345+/-312.921 χ^2/NDF:79.7/53

Out: -348.199+/-308.906 χ^2/NDF:73.4/58

All: -474.124+/-219.835 χ^2/NDF: 153.4/112

asym_sam_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2688.871+/-0.450 χ^2/NDF: 2695703.8/30

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2852.966+/-0.483 χ^2/NDF: 2973331.2/33

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

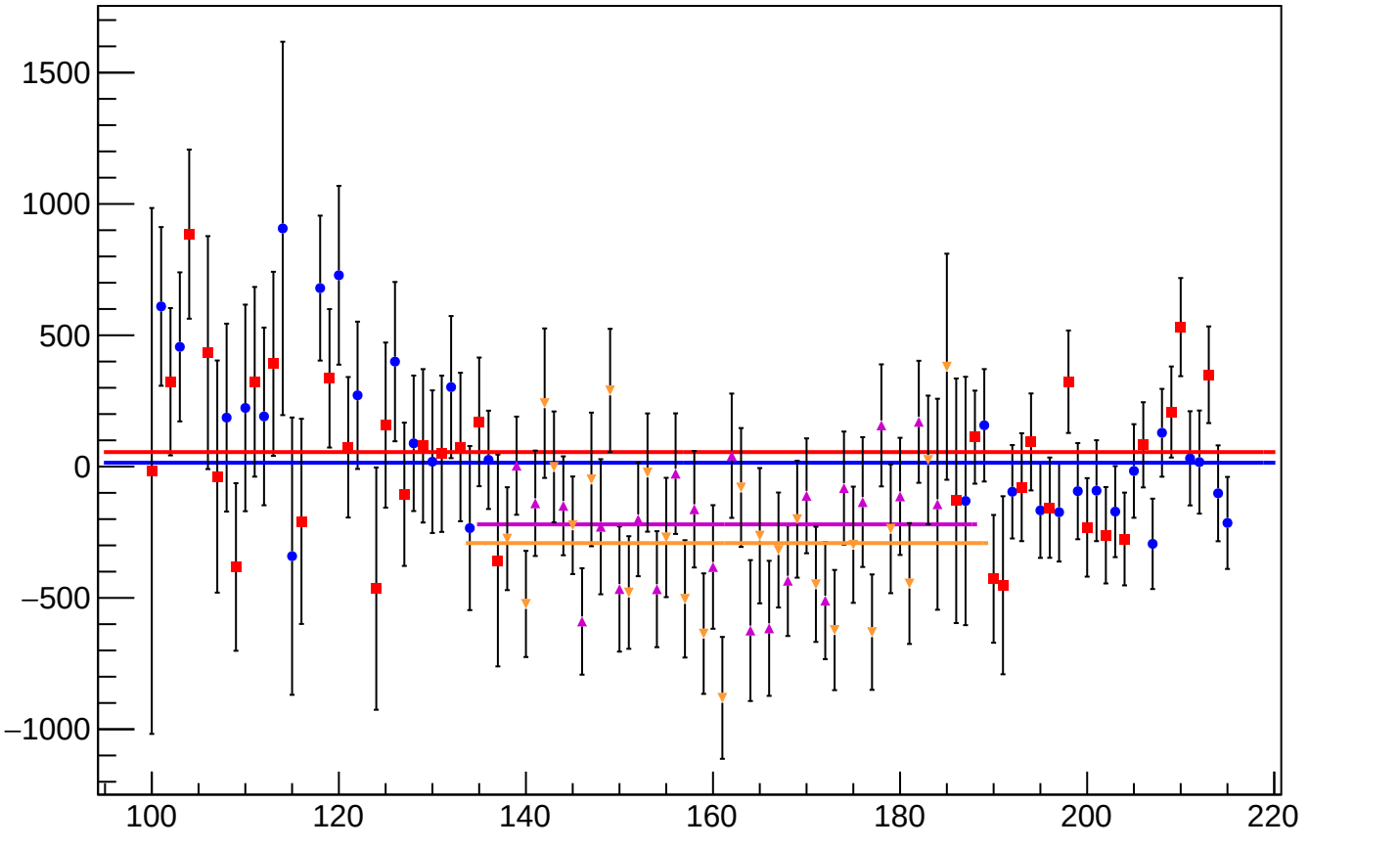
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2765.221+/-0.329 χ^2/NDF: 5730795.6/64

In: 1808.150+/-0.221 χ^2/NDF:8109709.8/53

Out: 1786.721+/-0.218 χ^2/NDF:9547149.2/58

All: 1797.297+/-0.155 χ^2/NDF: 17661609.3/1



Right In: 14.641+/-40.617 χ^2/NDF: 34.2/30

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 55.197+/-41.914 χ^2/NDF: 45.0/33

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

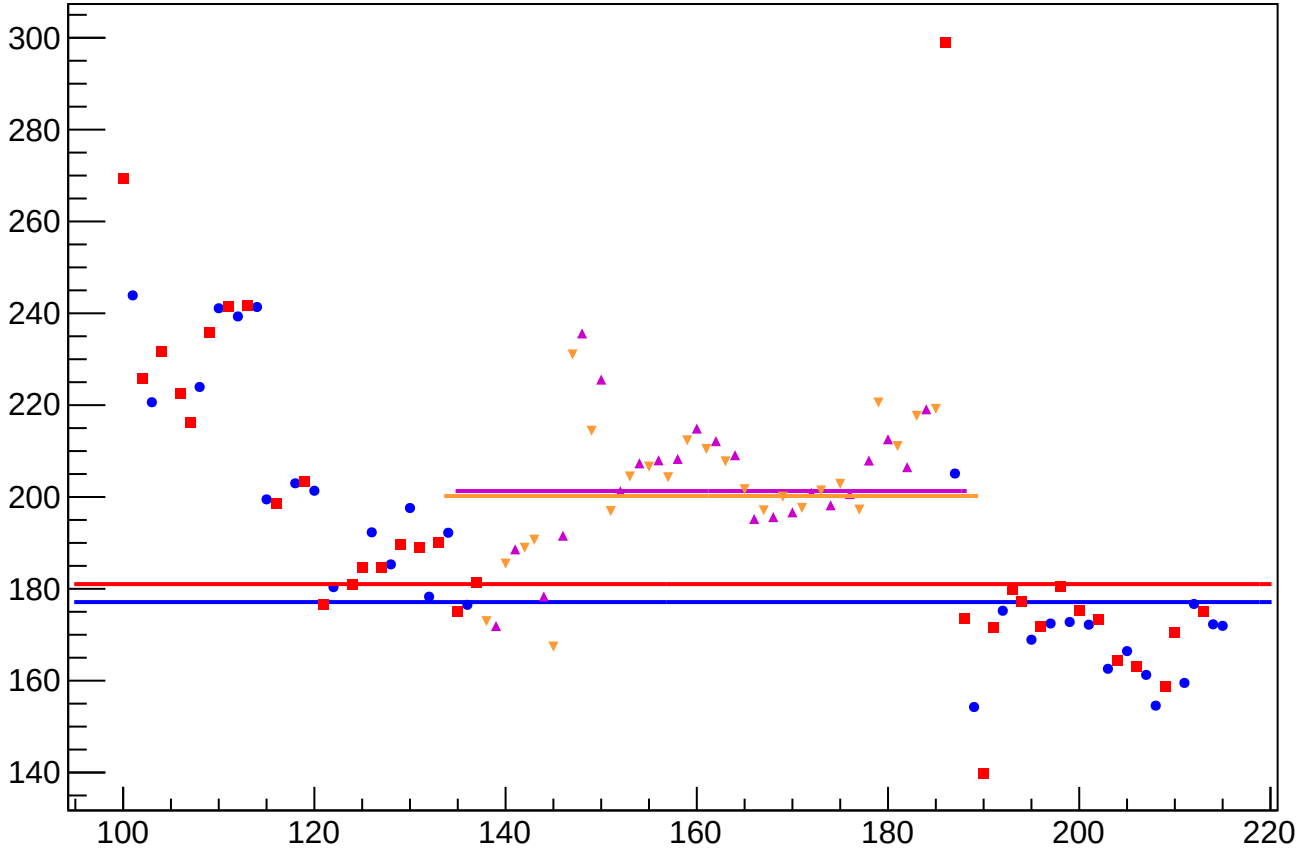
Right: 34.282+/-29.169 χ^2/NDF: 79.7/64

In: -85.313+/-30.772 χ^2/NDF:72.2/53

Out: -103.440+/-30.863 χ^2/NDF:112.6/58

All: -94.350+/-21.791 χ^2/NDF: 184.9/112

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 177.116+/-0.029 χ^2/NDF: 505571.5/30

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 181.029+/-0.030 χ^2/NDF: 632835.9/33

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

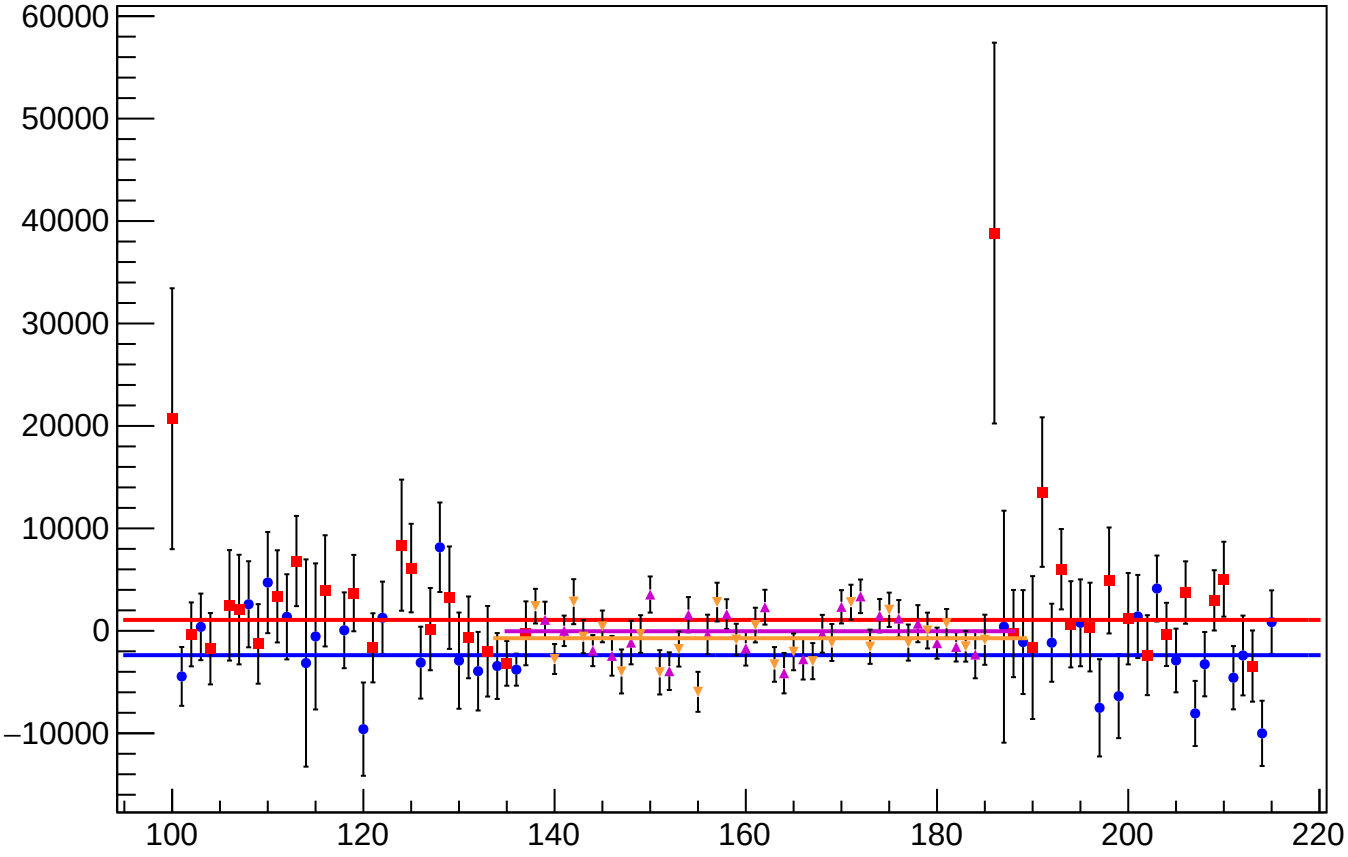
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.011+/-0.021 χ^2/NDF: 1147400.0/64

In: 187.418+/-0.022 χ^2/NDF:989222.0/53

Out: 189.810+/-0.022 χ^2/NDF:1028965.8/58

All: 188.611+/-0.015 χ^2/NDF: 2024216.7/112



Right In: -2376.388+/-636.959 χ^2/NDF: 35.1/30

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1066.267+/-683.520 χ^2/NDF: 29.1/33

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

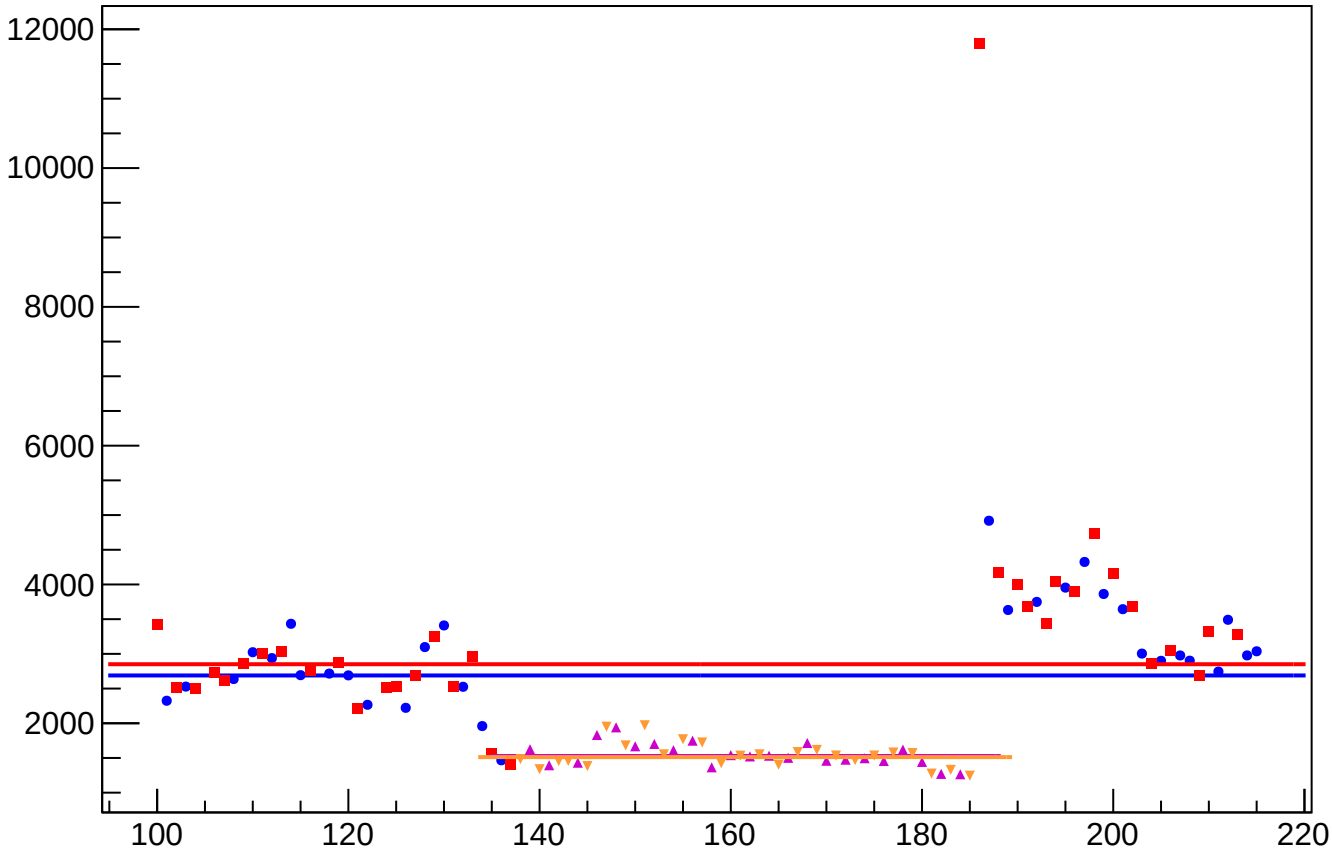
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -776.302+/-465.990 χ^2/NDF: 77.8/64

In: -603.339+/-312.922 χ^2/NDF:79.7/53

Out: -355.577+/-308.969 χ^2/NDF:72.9/58

All: -477.883+/-219.858 χ^2/NDF: 152.9/112



Right In: 2688.875+/-0.450 χ^2/NDF: 2695696.2/30

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.806+/-0.483 χ^2/NDF: 2974176.2/33

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

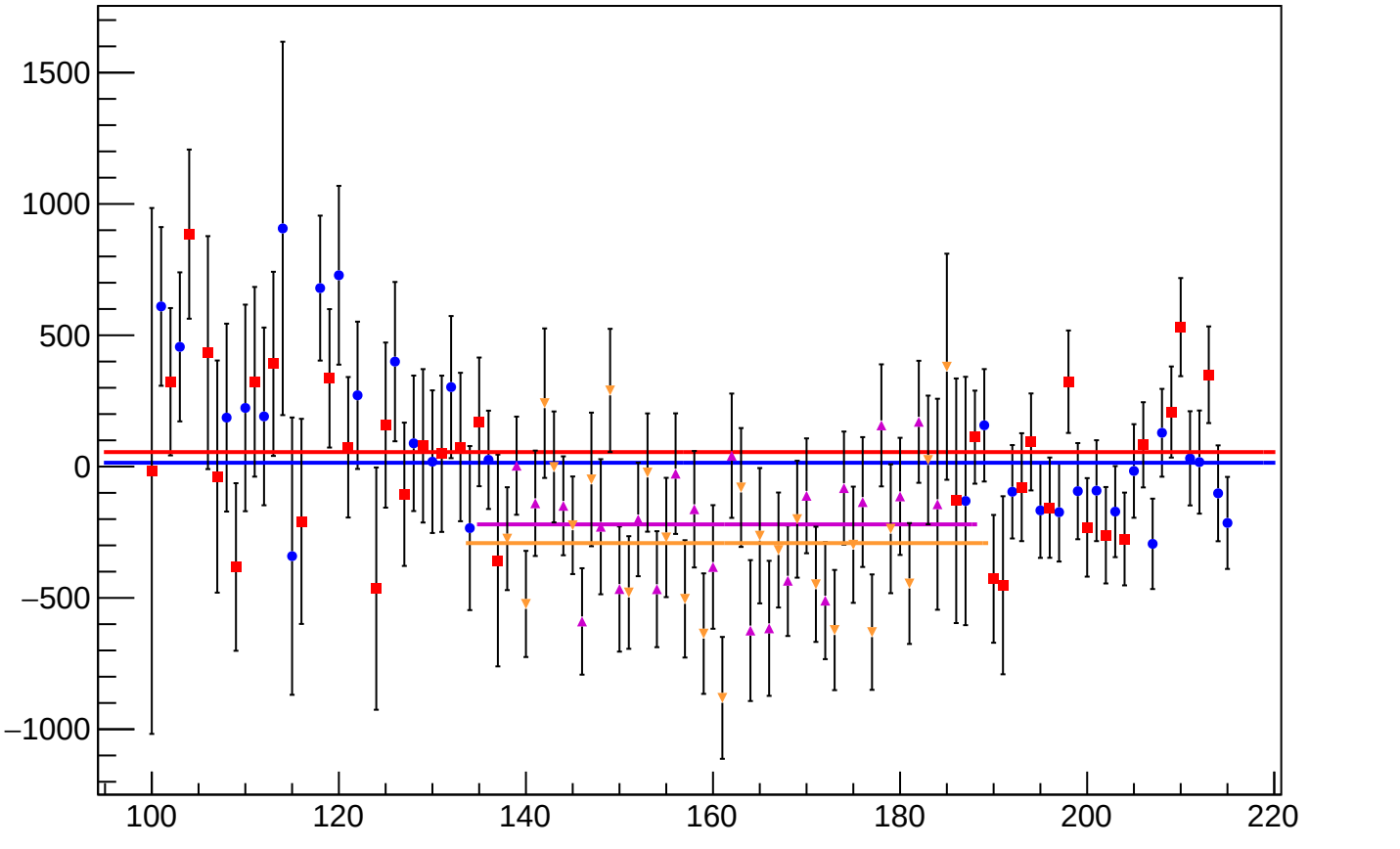
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2764.138+/-0.330 χ^2/NDF: 5729951.4/64

In: 1808.151+/-0.221 χ^2/NDF:8109718.5/53

Out: 1785.845+/-0.218 χ^2/NDF:9518571.4/58

All: 1796.856+/-0.155 χ^2/NDF: 17633435.6/1



Right In: 14.641+/-40.617 χ^2/NDF: 34.2/30

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 55.197+/-41.914 χ^2/NDF: 45.0/33

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

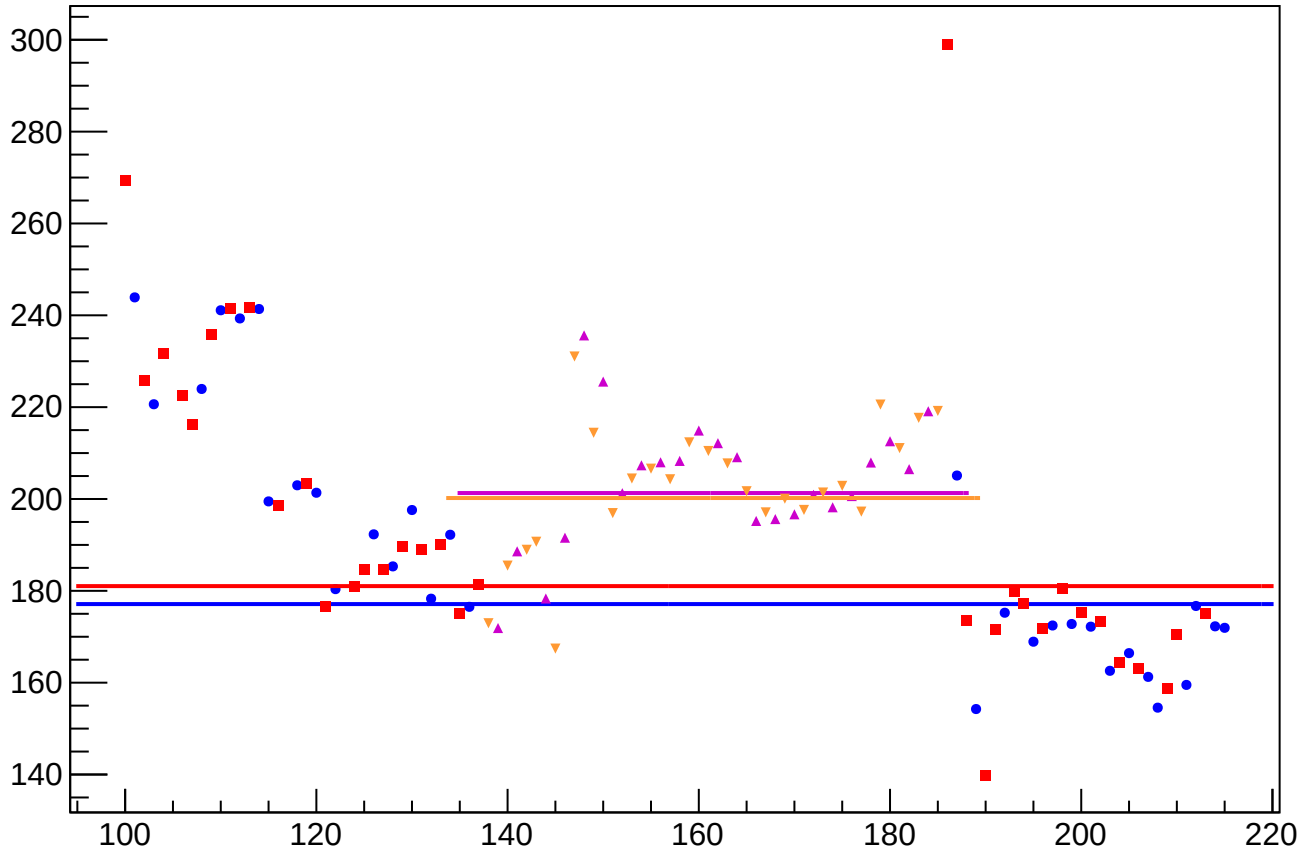
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 34.282+/-29.169 χ^2/NDF: 79.7/64

In: -85.313+/-30.772 χ^2/NDF:72.2/53

Out: -103.440+/-30.863 χ^2/NDF:112.6/58

All: -94.350+/-21.791 χ^2/NDF: 184.9/112



Right In: 177.116+/-0.029 χ^2/NDF: 505571.5/30

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 181.029+/-0.030 χ^2/NDF: 632835.9/33

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

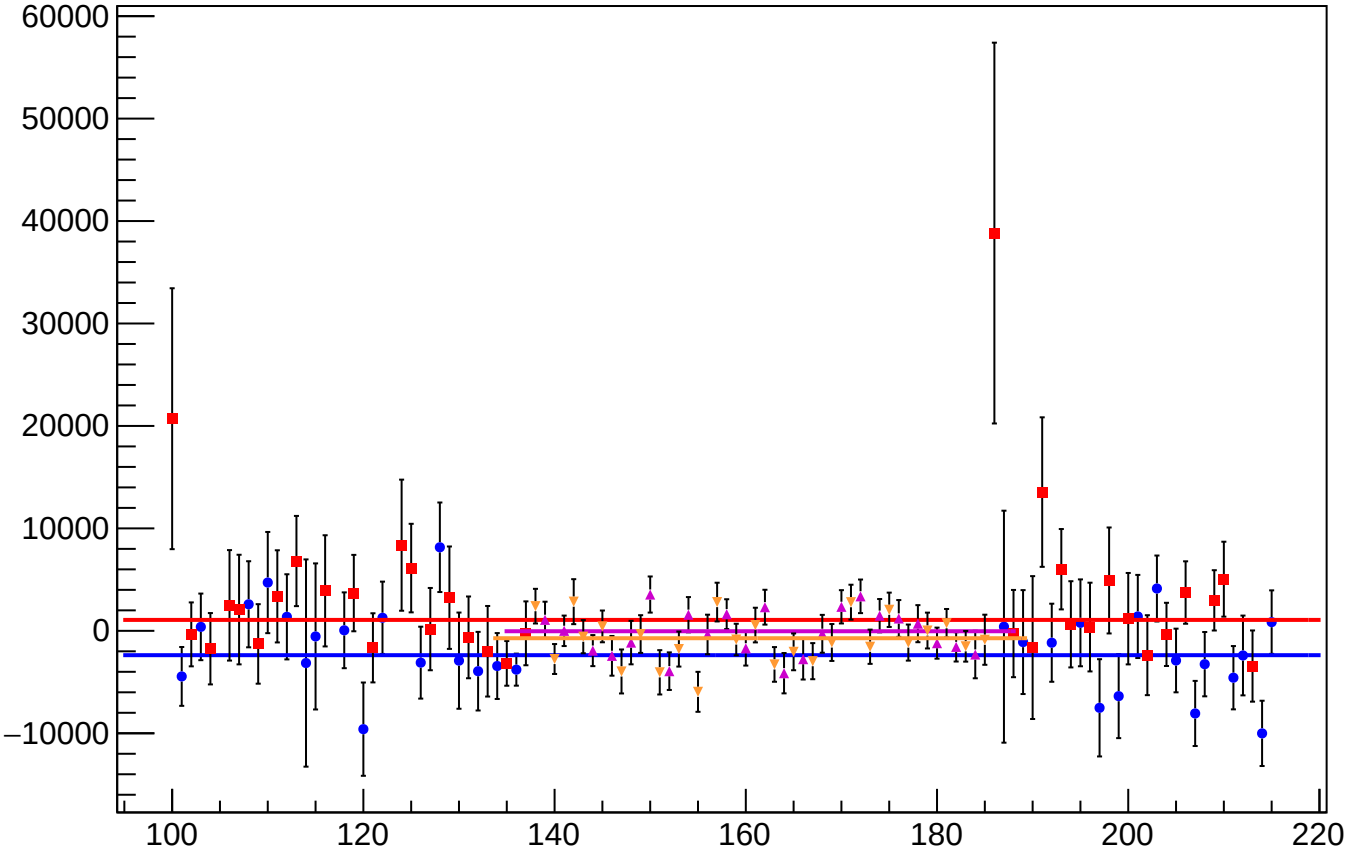
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 179.011+/-0.021 χ^2/NDF: 1147400.0/64

In: 187.418+/-0.022 χ^2/NDF:989222.0/53

Out: 189.810+/-0.022 χ^2/NDF:1028965.8/58

All: 188.611+/-0.015 χ^2/NDF: 2024216.7/112



Right In: -2376.388+/-636.959 χ^2/NDF: 35.1/30

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1066.267+/-683.520 χ^2/NDF: 29.1/33

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

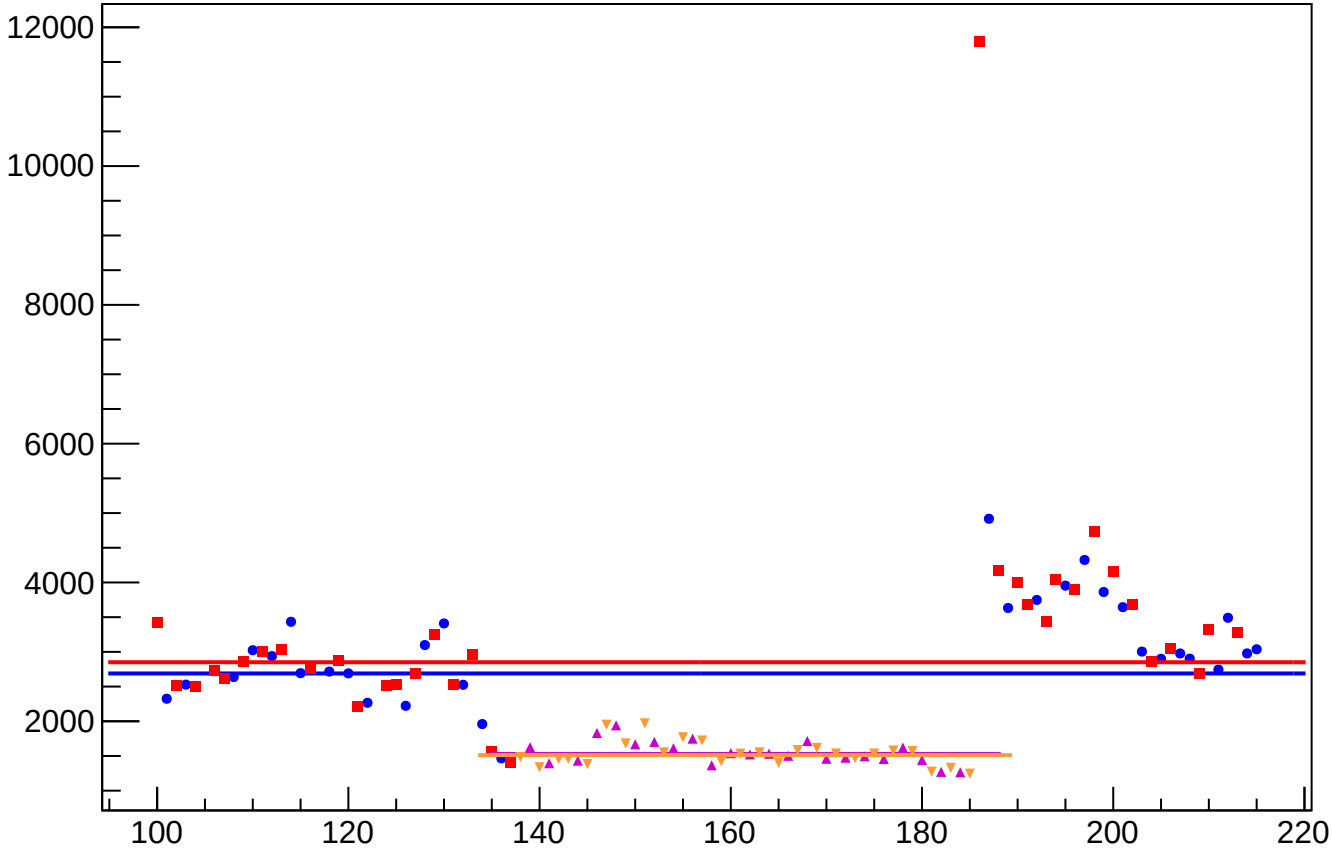
Right: -776.302+/-465.990 χ^2/NDF: 77.8/64

In: -603.339+/-312.922 χ^2/NDF:79.7/53

Out: -355.577+/-308.969 χ^2/NDF:72.9/58

All: -477.883+/-219.858 χ^2/NDF: 152.9/112

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2688.875+/-0.450 χ^2/NDF: 2695696.2/30

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.806+/-0.483 χ^2/NDF: 2974176.2/33

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

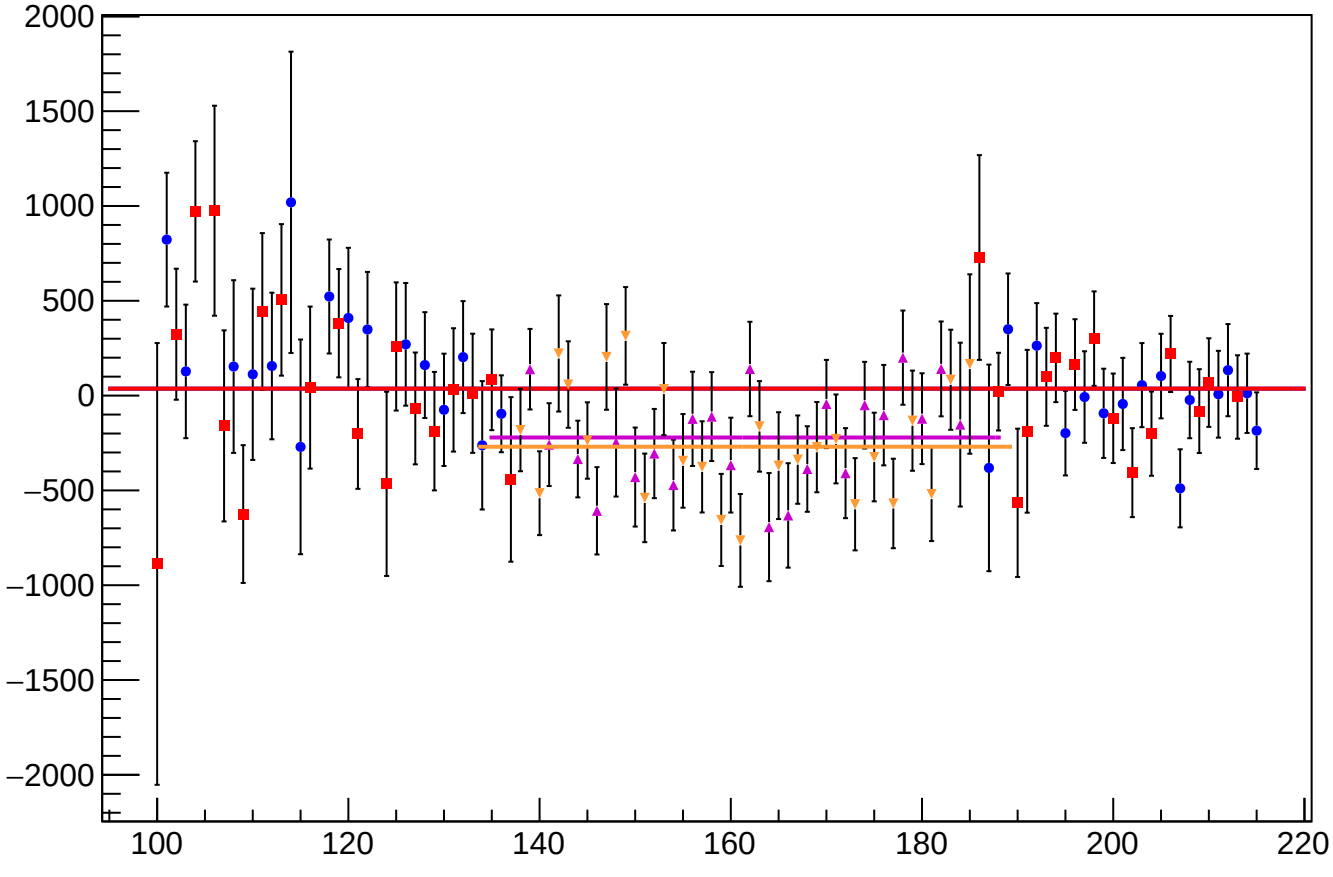
Right: 2764.138+/-0.330 χ^2/NDF: 5729951.4/64

In: 1808.151+/-0.221 χ^2/NDF:8109718.5/53

Out: 1785.845+/-0.218 χ^2/NDF:9518571.4/58

All: 1796.856+/-0.155 χ^2/NDF: 17633435.6/1

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 36.532+/-48.582 χ^2/NDF: 26.5/30

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 36.726+/-50.407 χ^2/NDF: 34.5/33

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

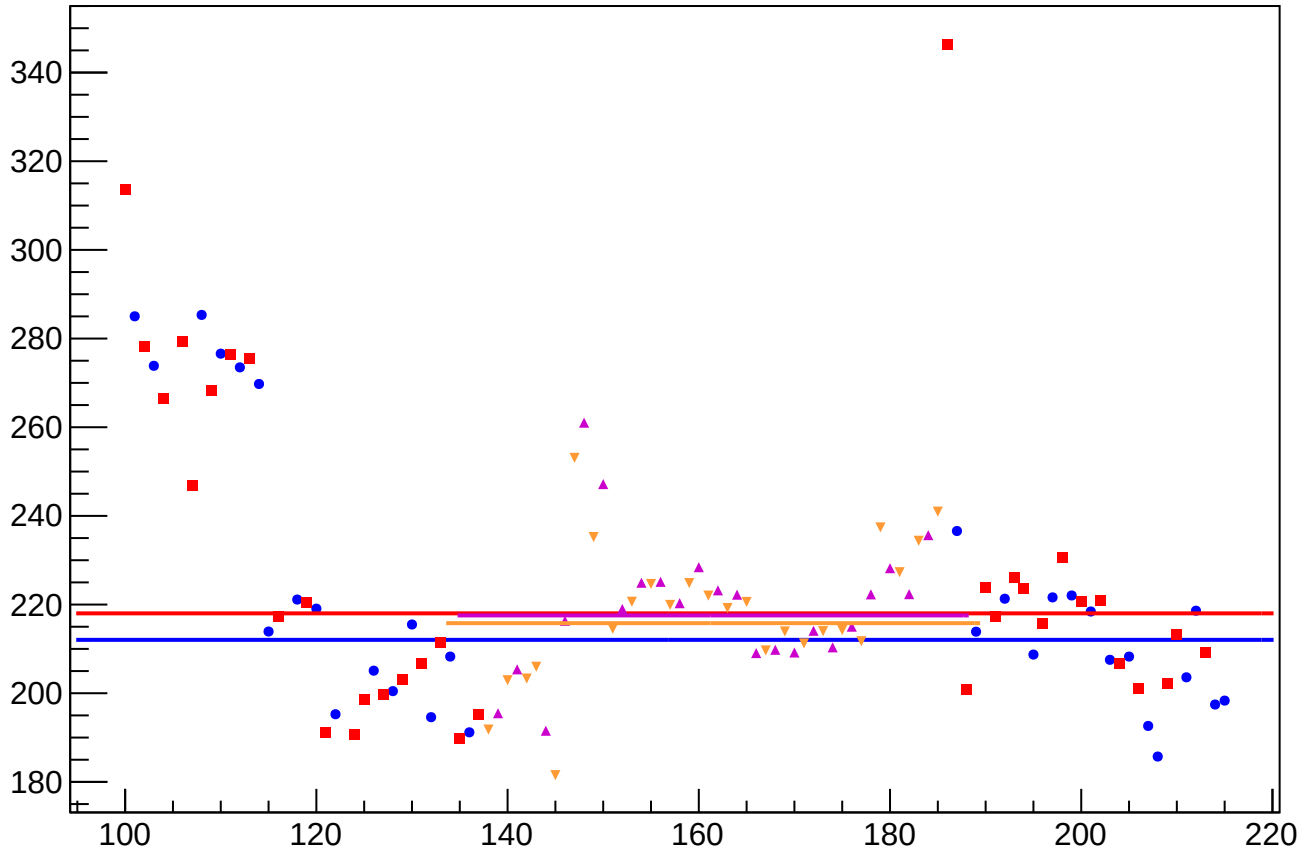
Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

Right: 36.626+/-34.980 χ^2/NDF: 61.0/64

In: -86.062+/-35.162 χ^2/NDF:63.2/53

Out: -120.319+/-35.193 χ^2/NDF:84.9/58

All: -103.176+/-24.874 χ^2/NDF: 148.6/112



Right In: 212.041+/-0.034 χ^2/NDF: 435179.1/30

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 218.018+/-0.036 χ^2/NDF: 503524.6/33

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

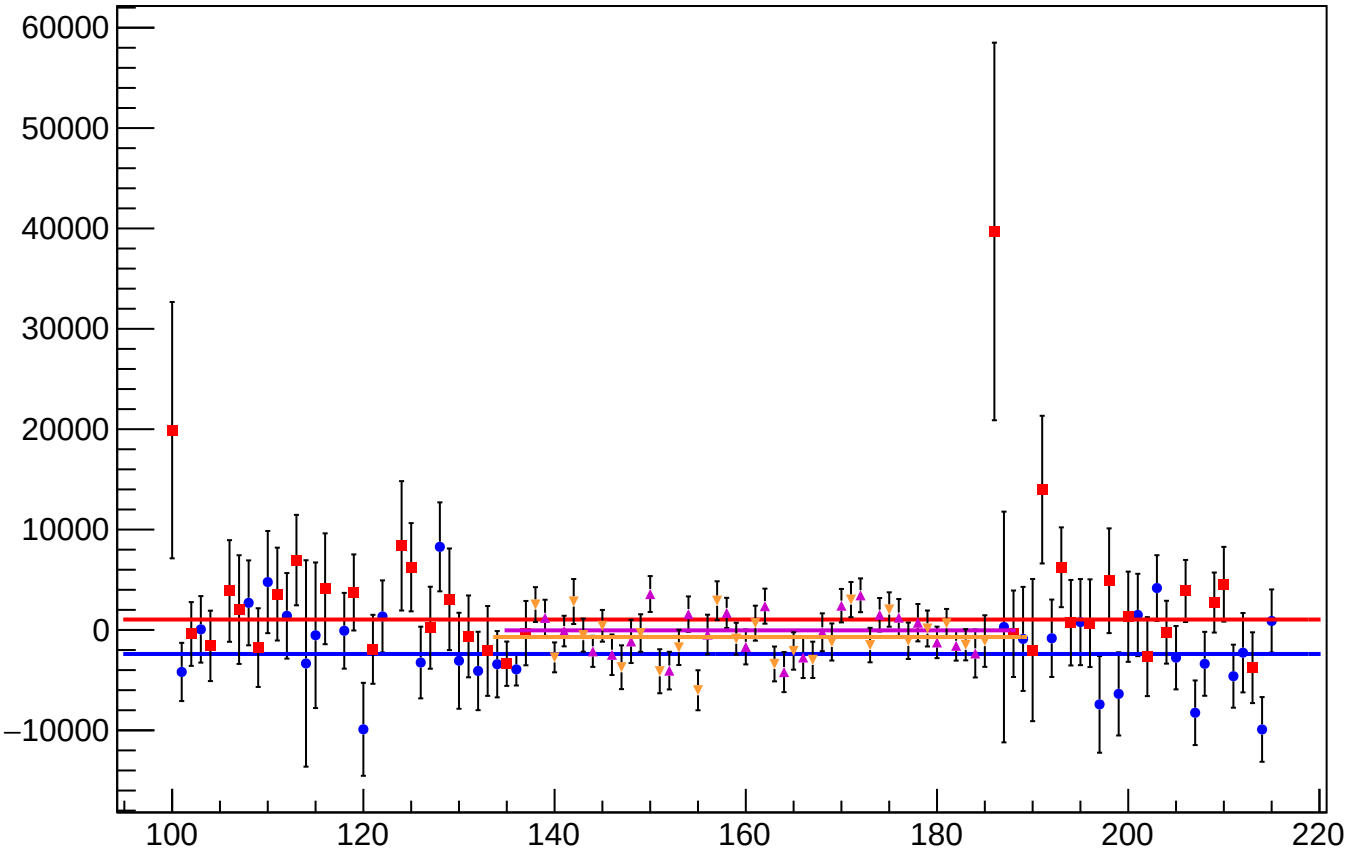
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 214.919+/-0.025 χ^2/NDF: 953278.4/64

In: 214.667+/-0.025 χ^2/NDF:608510.8/53

Out: 216.884+/-0.025 χ^2/NDF:694196.2/58

All: 215.775+/-0.018 χ^2/NDF: 1306681.4/112



Right In: -2393.904+/-648.170 χ^2/NDF: 34.6/30

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1038.424+/-692.893 χ^2/NDF: 30.0/33

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

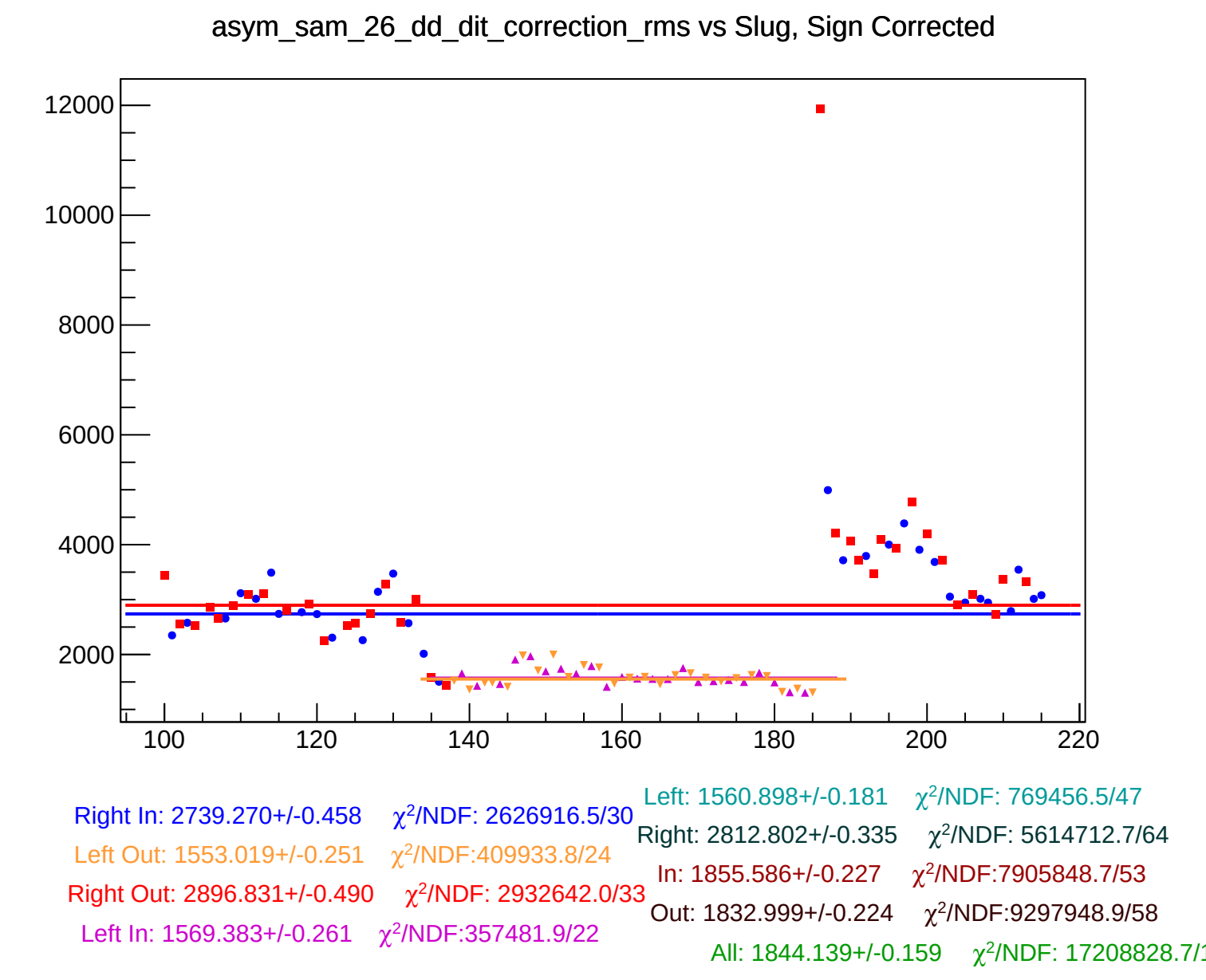
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

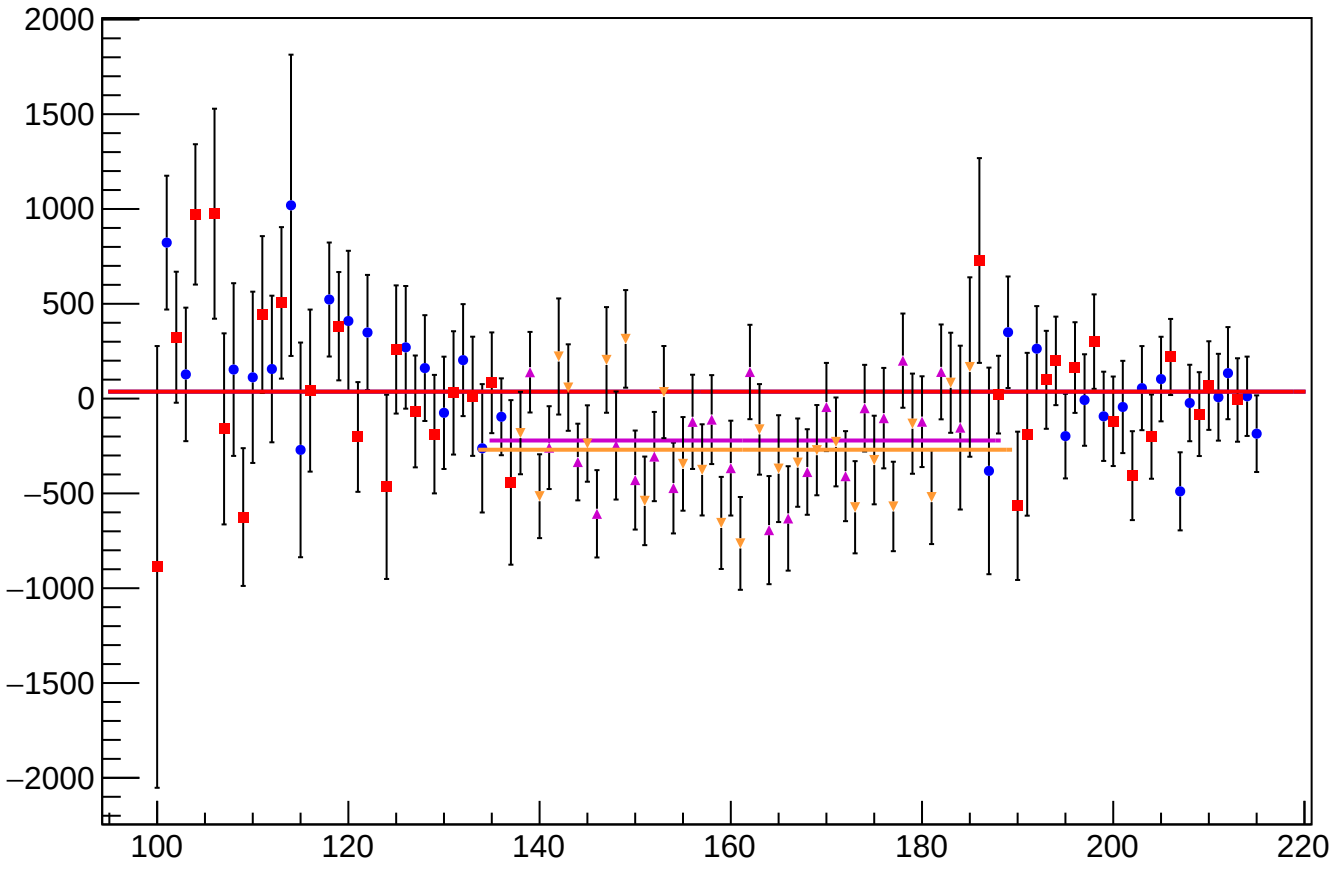
Right: -792.079+/-473.347 χ^2/NDF: 77.7/64

In: -615.605+/-320.593 χ^2/NDF:78.9/53

Out: -340.980+/-316.272 χ^2/NDF:72.6/58

All: -476.429+/-225.150 χ^2/NDF: 151.9/112


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 2739.270+/-0.458 χ²/NDF: 2626916.5/30
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2896.831+/-0.490 χ²/NDF: 2932642.0/33
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2812.802+/-0.335 χ²/NDF: 5614712.7/64
In: 1855.586+/-0.227 χ²/NDF:7905848.7/53
Out: 1832.999+/-0.224 χ²/NDF:9297948.9/58
All: 1844.139+/-0.159 χ²/NDF: 17208828.7/



Right In: 36.536+/-48.582 χ^2/NDF: 26.5/30

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 36.726+/-50.407 χ^2/NDF: 34.5/33

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

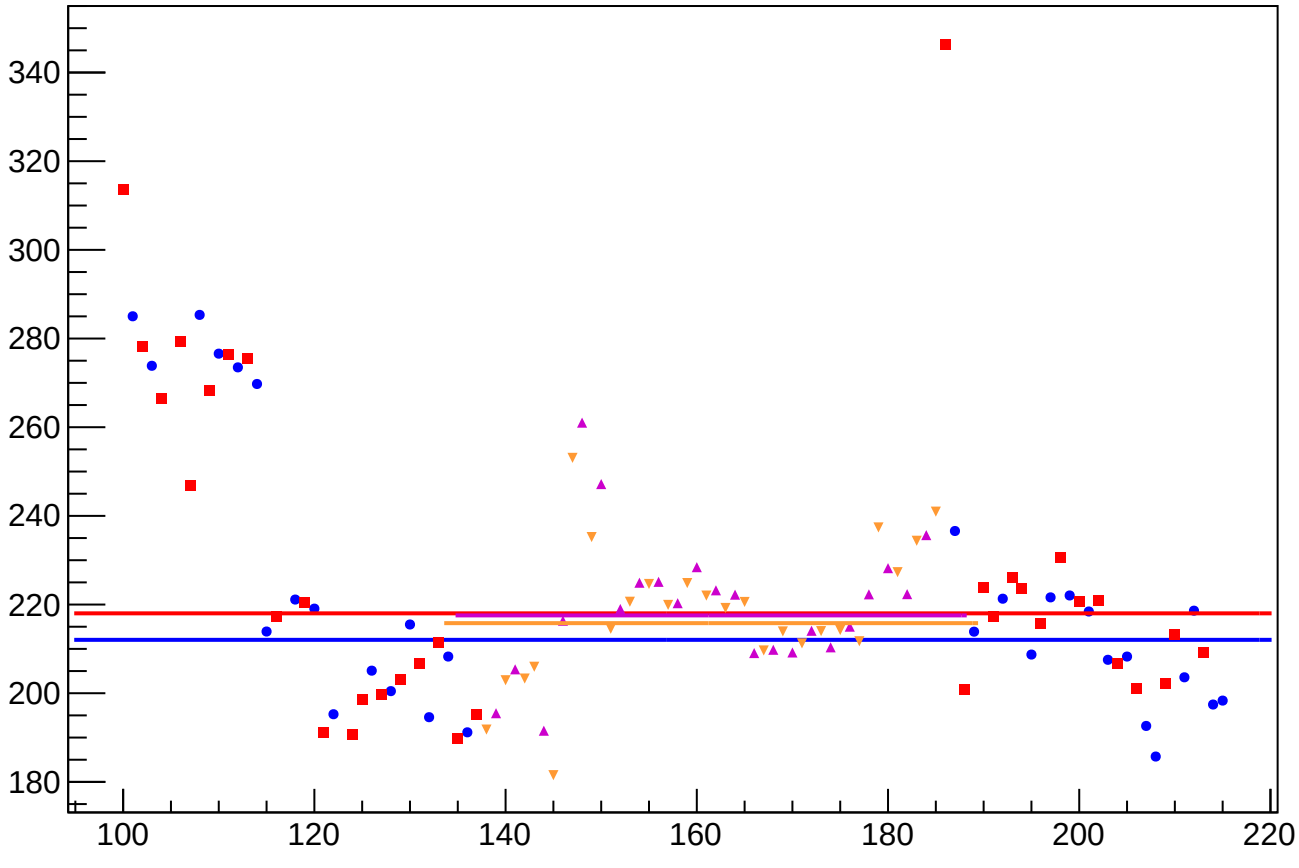
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 36.627+/-34.980 χ^2/NDF: 61.0/64

In: -86.060+/-35.162 χ^2/NDF:63.2/53

Out: -120.320+/-35.193 χ^2/NDF:84.9/58

All: -103.175+/-24.874 χ^2/NDF: 148.6/112



Right In: 212.041+/-0.034 χ^2/NDF: 435168.8/30

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 218.017+/-0.036 χ^2/NDF: 503506.4/33

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

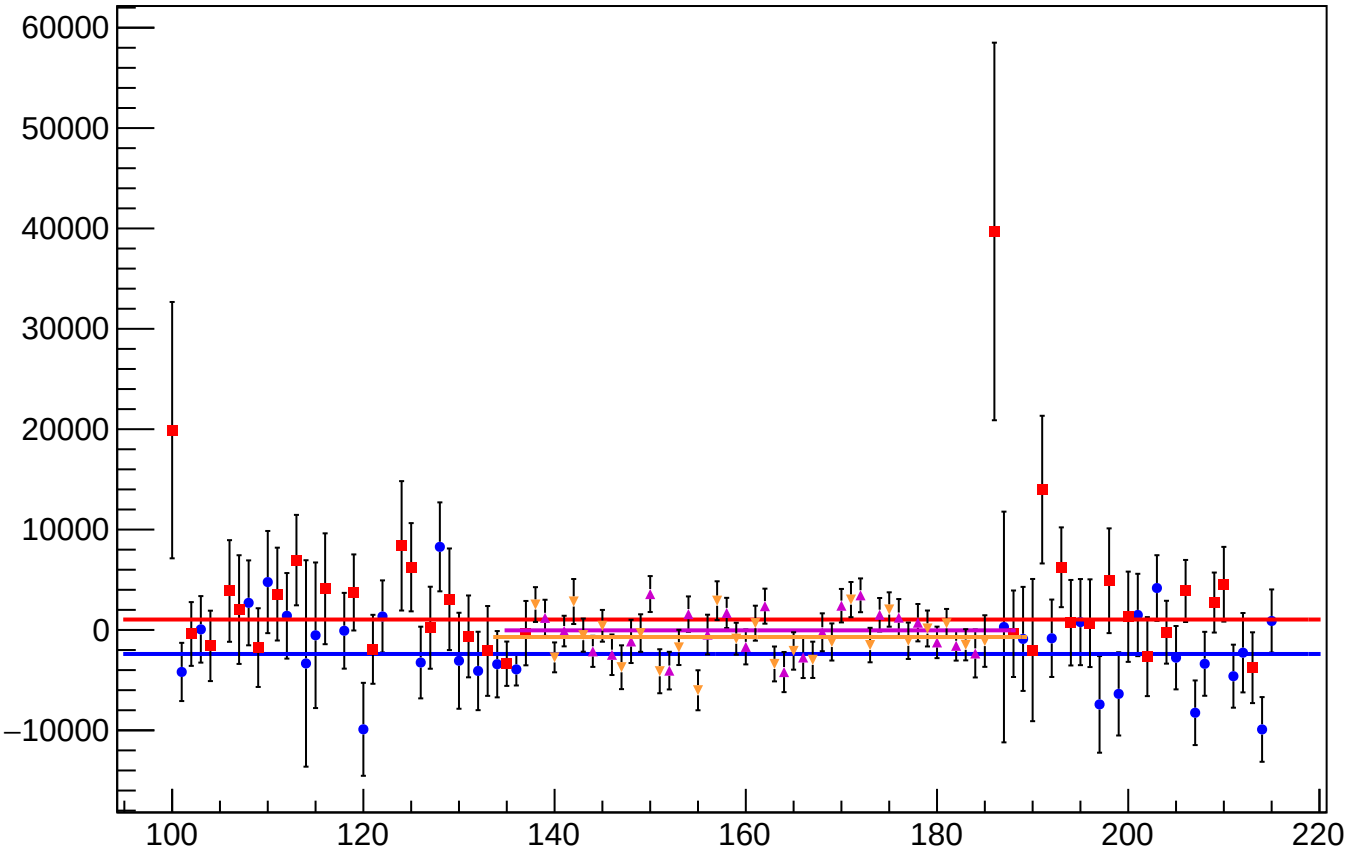
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 214.919+/-0.025 χ^2/NDF: 953250.3/64

In: 214.666+/-0.025 χ^2/NDF:608504.0/53

Out: 216.884+/-0.025 χ^2/NDF:694181.7/58

All: 215.774+/-0.018 χ^2/NDF: 1306660.5/112



Right In: -2393.902+/-648.169 χ^2/NDF: 34.6/30

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1038.424+/-692.893 χ^2/NDF: 30.0/33

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

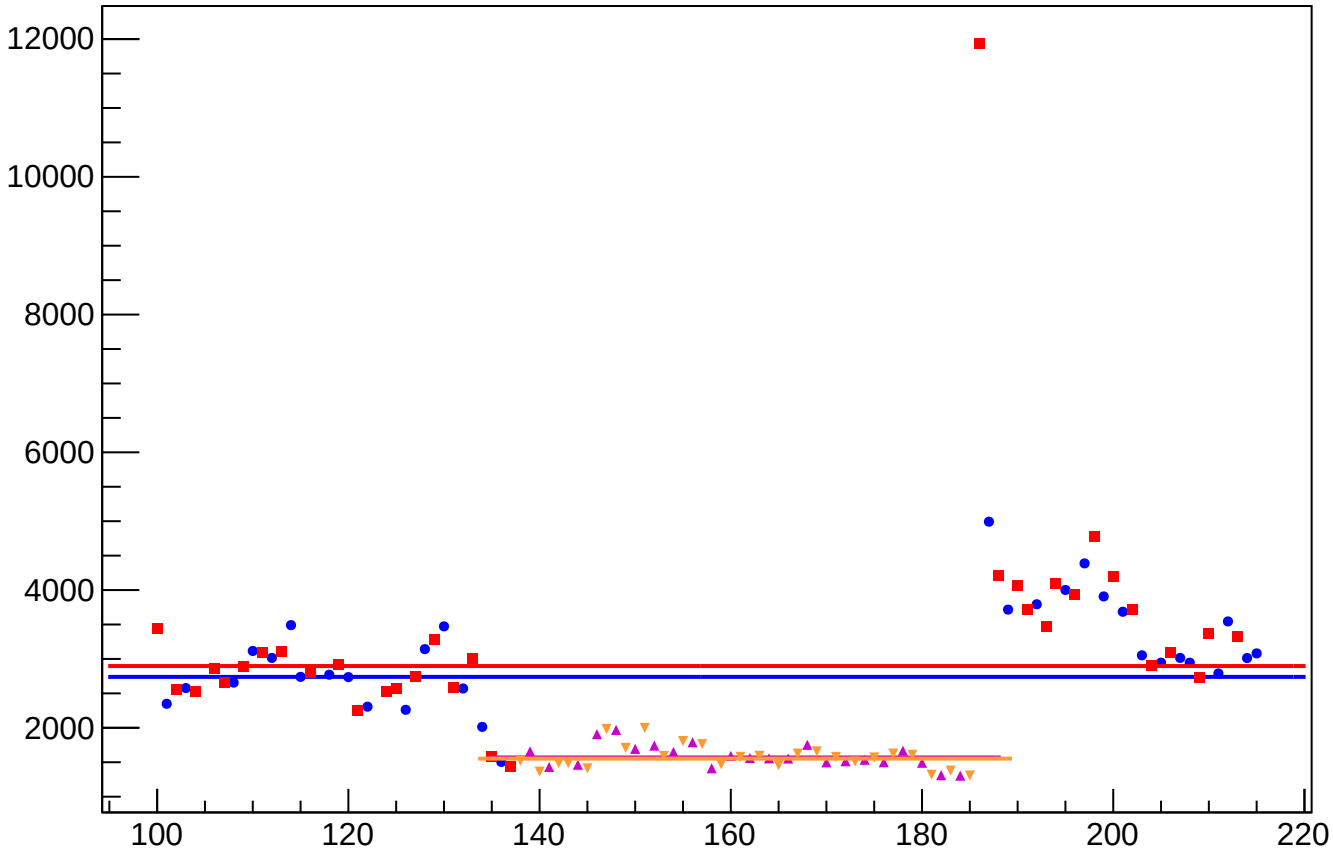
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -792.077+/-473.346 χ^2/NDF: 77.7/64

In: -615.604+/-320.593 χ^2/NDF:78.9/53

Out: -340.980+/-316.272 χ^2/NDF:72.6/58

All: -476.429+/-225.150 χ^2/NDF: 151.9/112



Right In: 2739.268+/-0.458 χ^2/NDF: 2626915.5/30

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2896.828+/-0.490 χ^2/NDF: 2932645.1/33

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

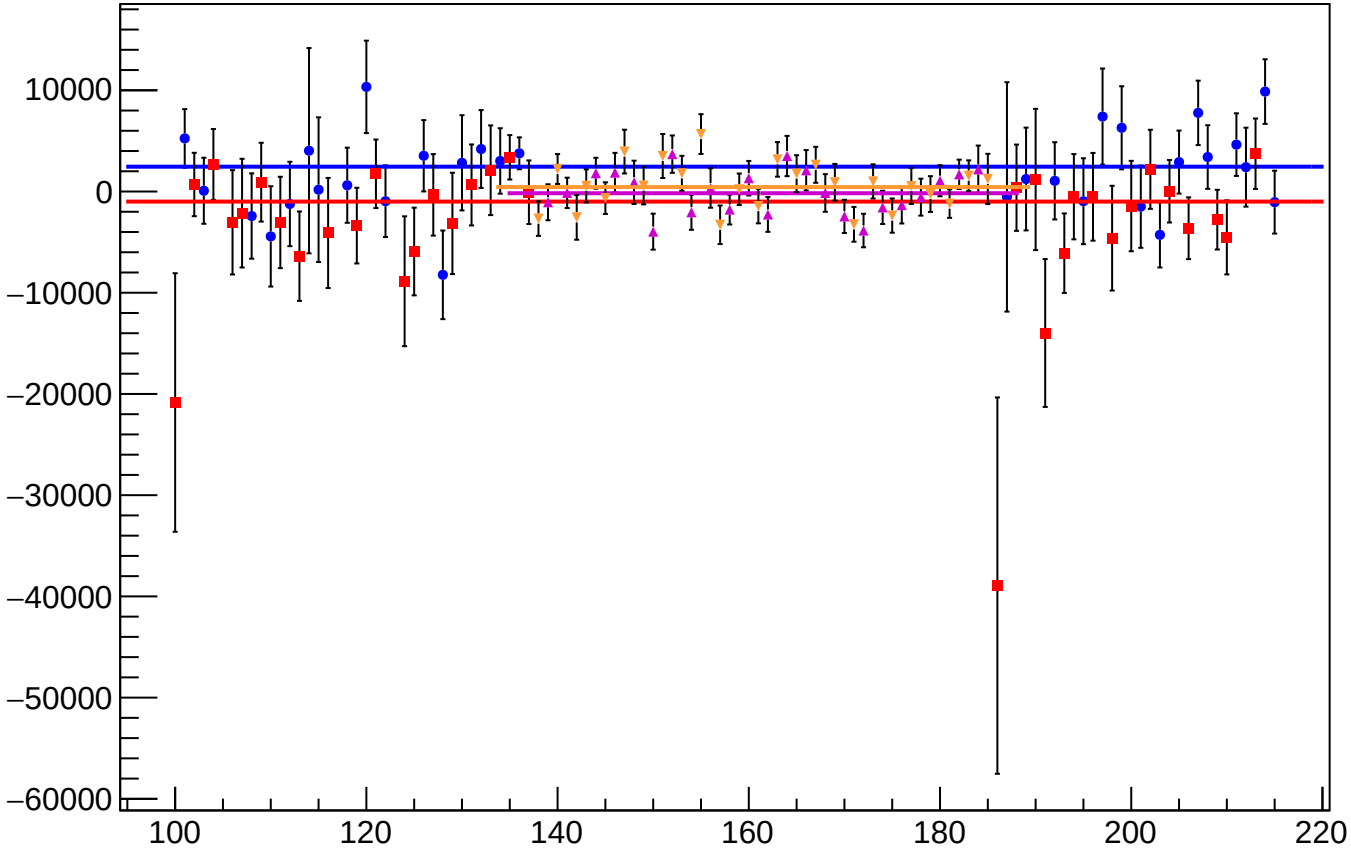
Right: 2812.799+/-0.335 χ^2/NDF: 5614714.5/64

In: 1855.586+/-0.227 χ^2/NDF:7905838.0/53

Out: 1832.999+/-0.224 χ^2/NDF:9297935.2/58

All: 1844.139+/-0.159 χ^2/NDF: 17208804.2/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2453.144+/-639.070 χ^2/NDF: 35.0/30

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -996.398+/-684.944 χ^2/NDF: 29.5/33

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

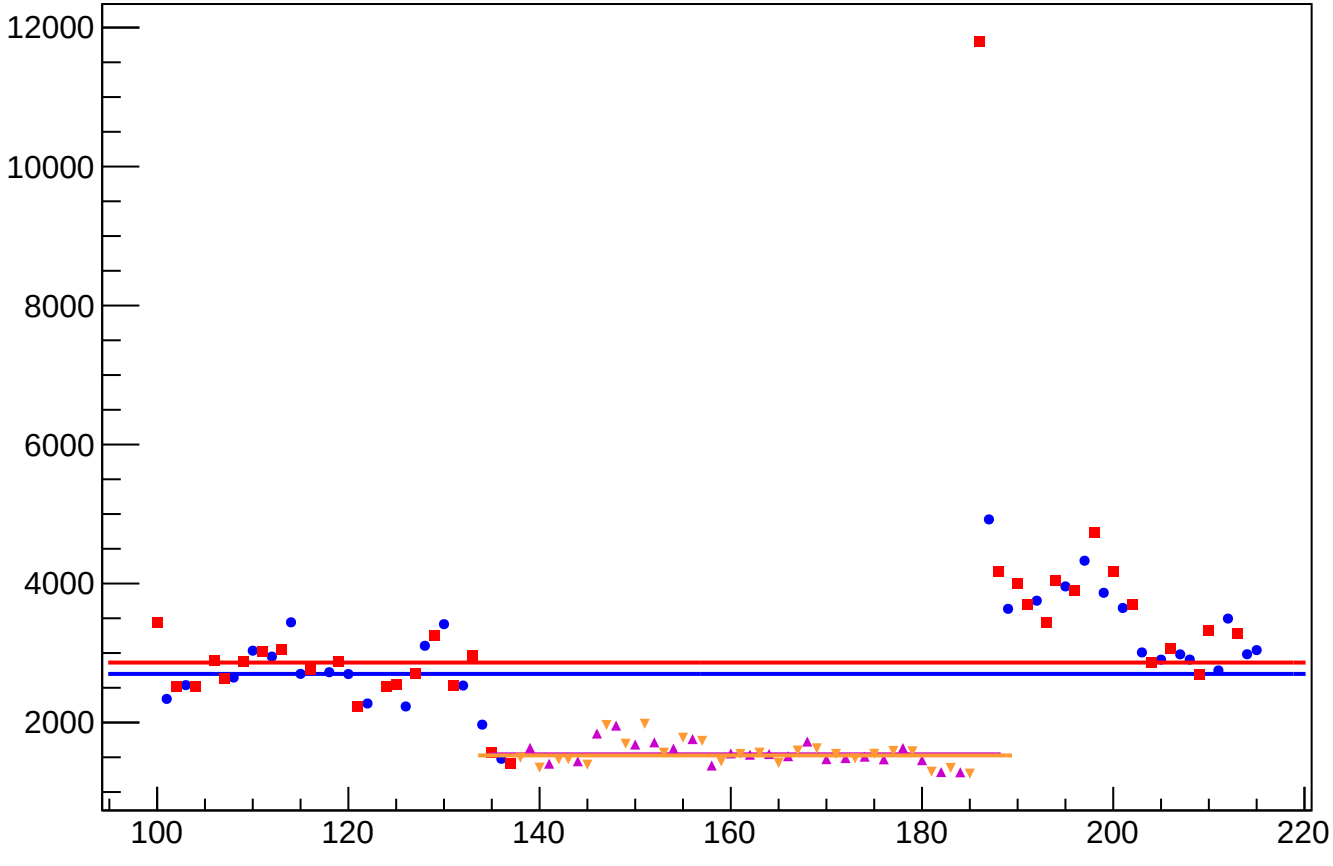
Right: 847.750+/-467.267 χ^2/NDF: 78.1/64

In: 468.810+/-315.340 χ^2/NDF:80.8/53

Out: 141.194+/-311.371 χ^2/NDF:71.8/58

All: 302.928+/-221.562 χ^2/NDF: 153.1/112

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2699.450+/-0.452 χ^2/NDF: 2653824.1/30

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2862.964+/-0.484 χ^2/NDF: 2940032.8/33

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

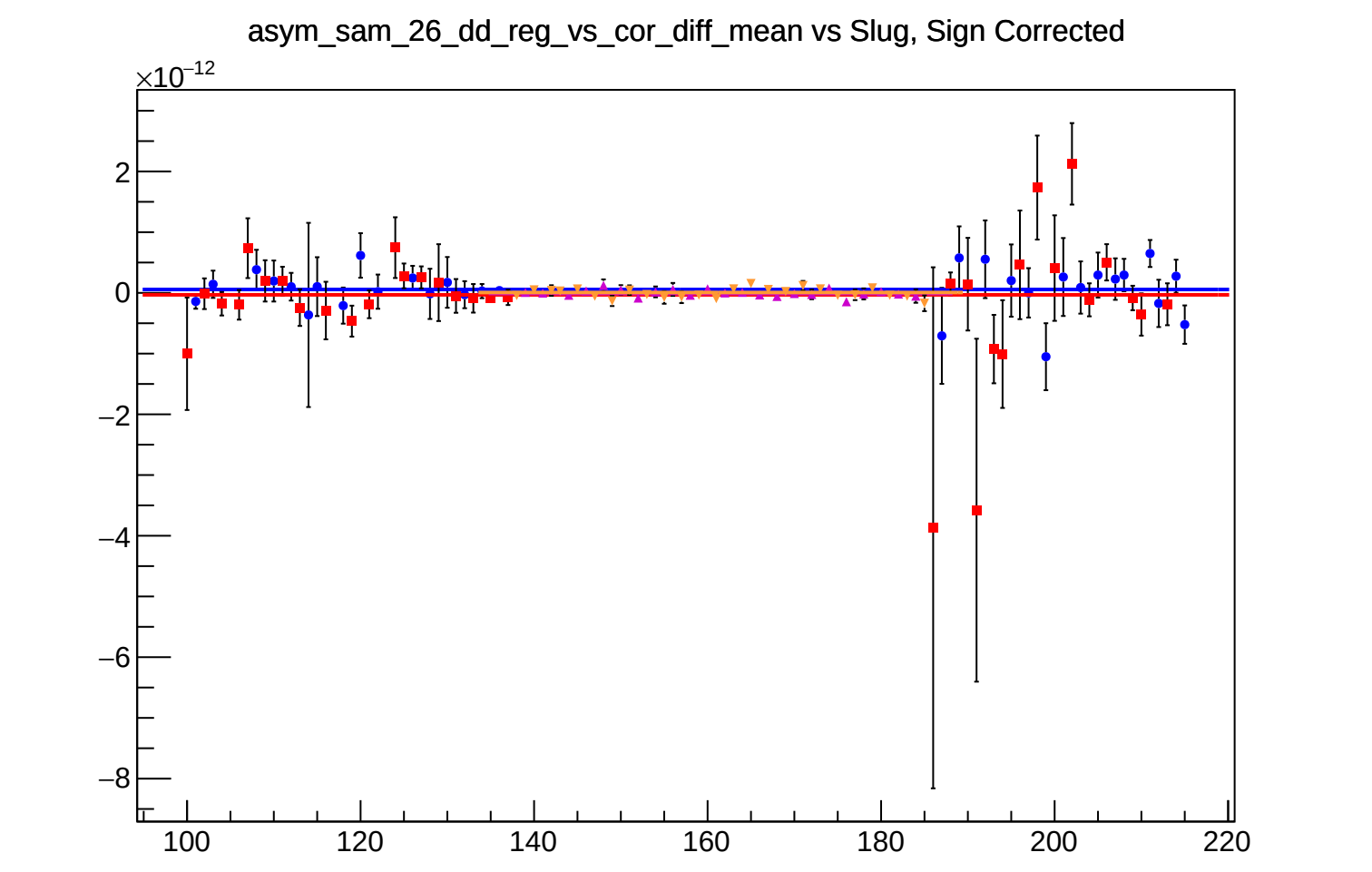
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2775.549+/-0.330 χ^2/NDF: 5654791.3/64

In: 1824.013+/-0.223 χ^2/NDF:7977040.7/53

Out: 1802.867+/-0.220 χ^2/NDF:9408279.5/58

All: 1813.306+/-0.157 χ^2/NDF: 17389873.8/1



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.0/33

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

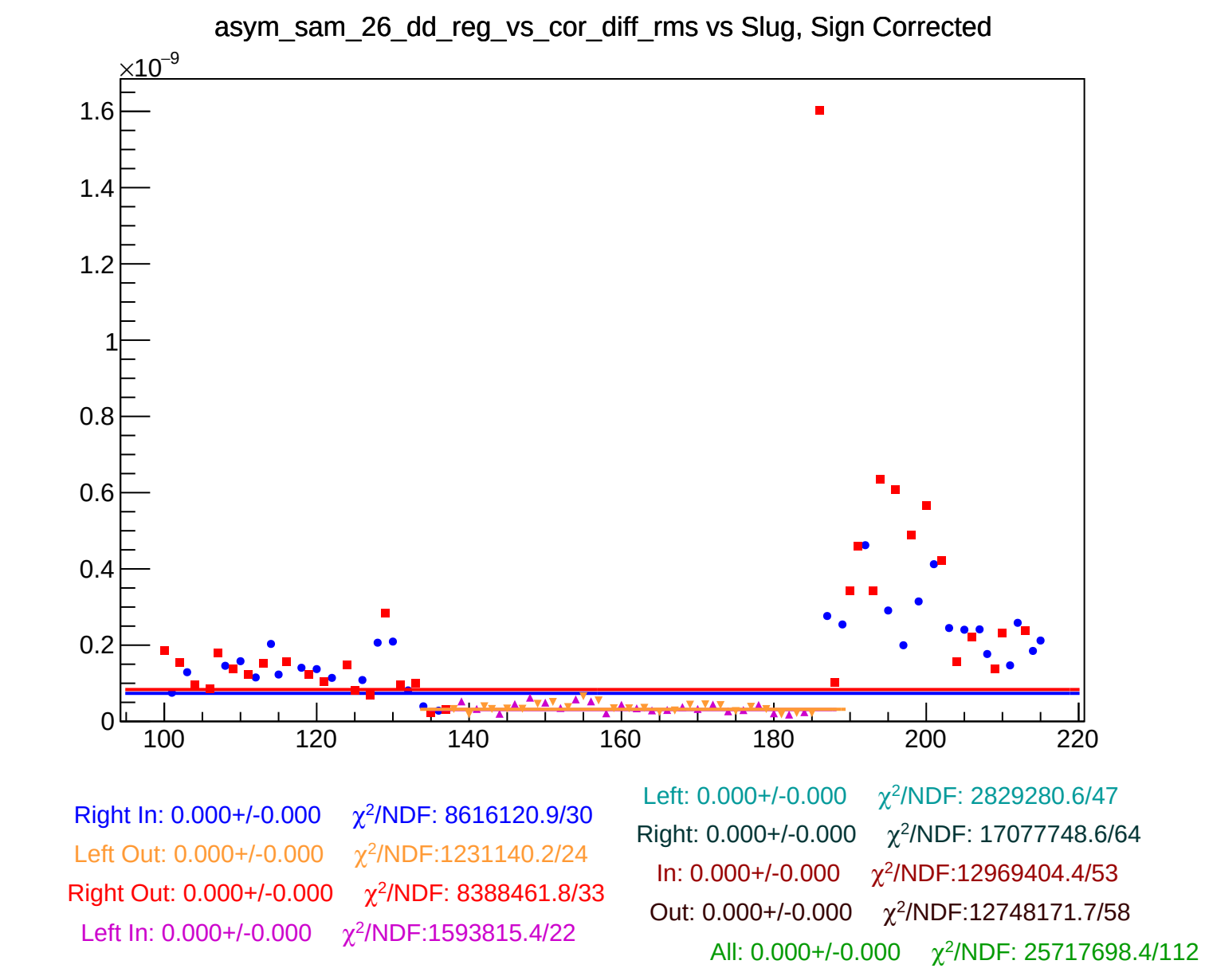
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 76.1/64

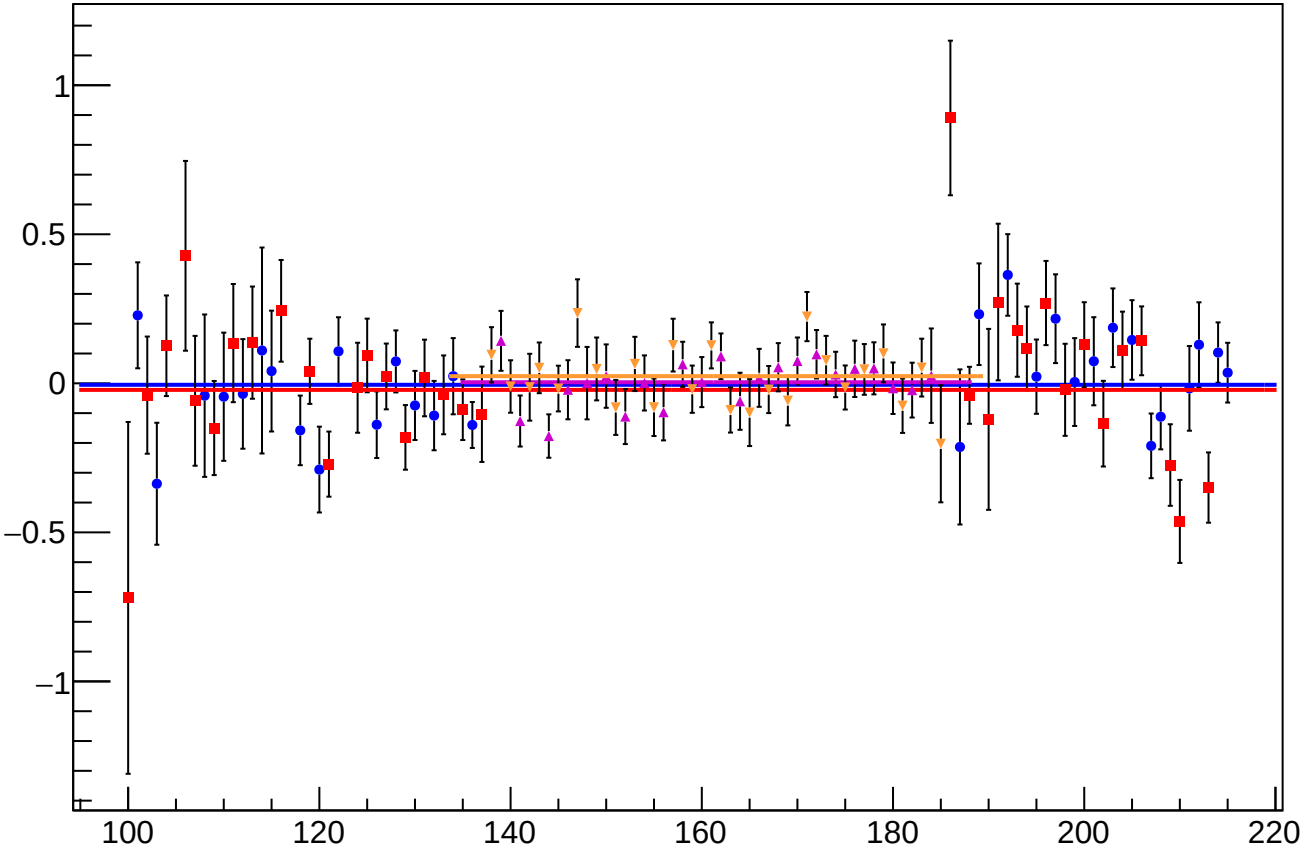
In: -0.000+/-0.000 χ^2/NDF:48.6/53

Out: 0.000+/-0.000 χ^2/NDF:76.7/58

All: 0.000+/-0.000 χ^2/NDF: 125.3/112


asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8616120.9/30
Left Out: 0.000+/-0.000 χ²/NDF:1231140.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 8388461.8/33
Left In: 0.000+/-0.000 χ²/NDF:1593815.4/22
Left: 0.000+/-0.000 χ²/NDF: 2829280.6/47
Right: 0.000+/-0.000 χ²/NDF: 17077748.6/64
In: 0.000+/-0.000 χ²/NDF:12969404.4/53
Out: 0.000+/-0.000 χ²/NDF:12748171.7/58
All: 0.000+/-0.000 χ²/NDF: 25717698.4/112

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.024 χ^2/NDF: 39.9/30

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.022+/-0.025 χ^2/NDF: 64.8/33

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

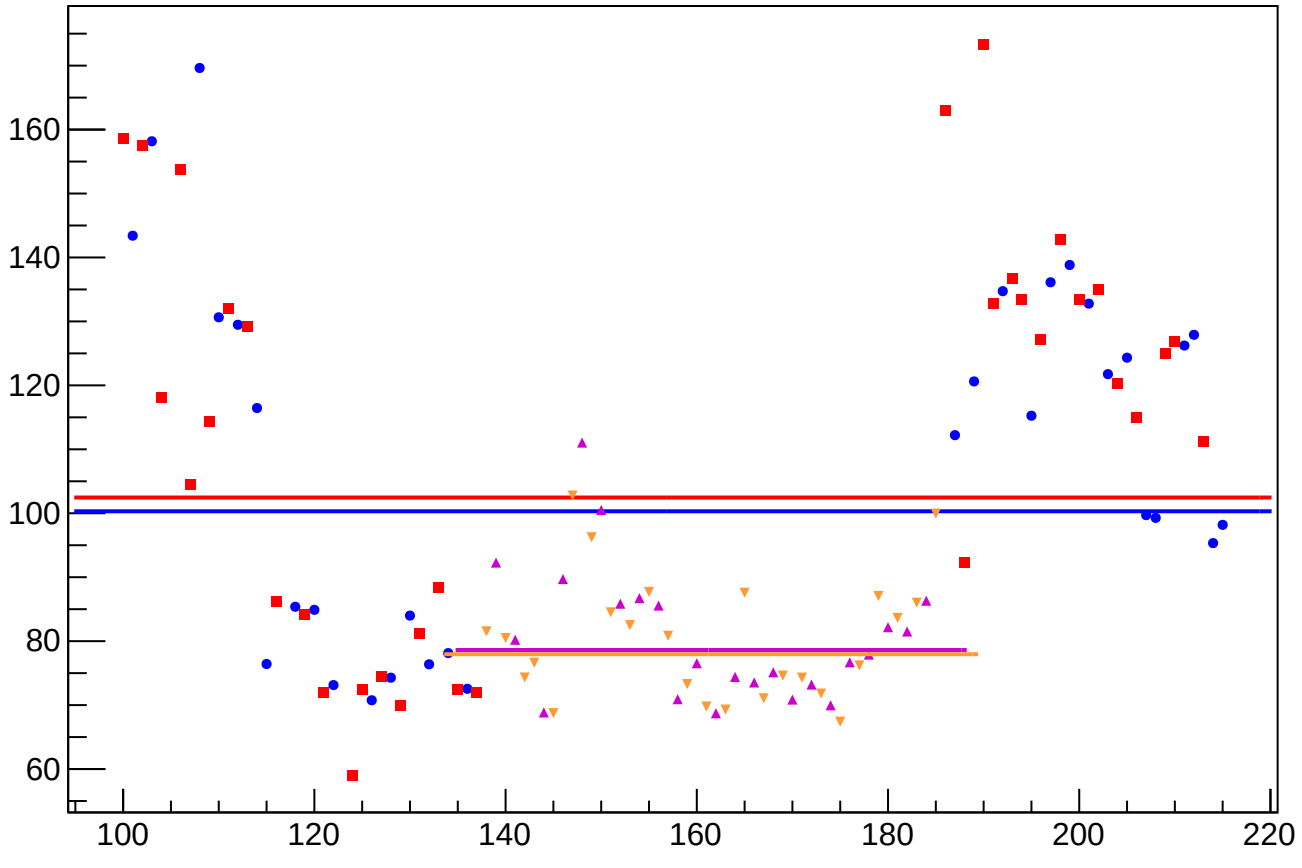
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.013+/-0.017 χ^2/NDF: 104.9/64

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.004+/-0.010 χ^2/NDF: 151.6/112



Right In: 100.309+/-0.017 χ^2/NDF: 2209206.4/30

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 102.461+/-0.017 χ^2/NDF: 2528296.5/33

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

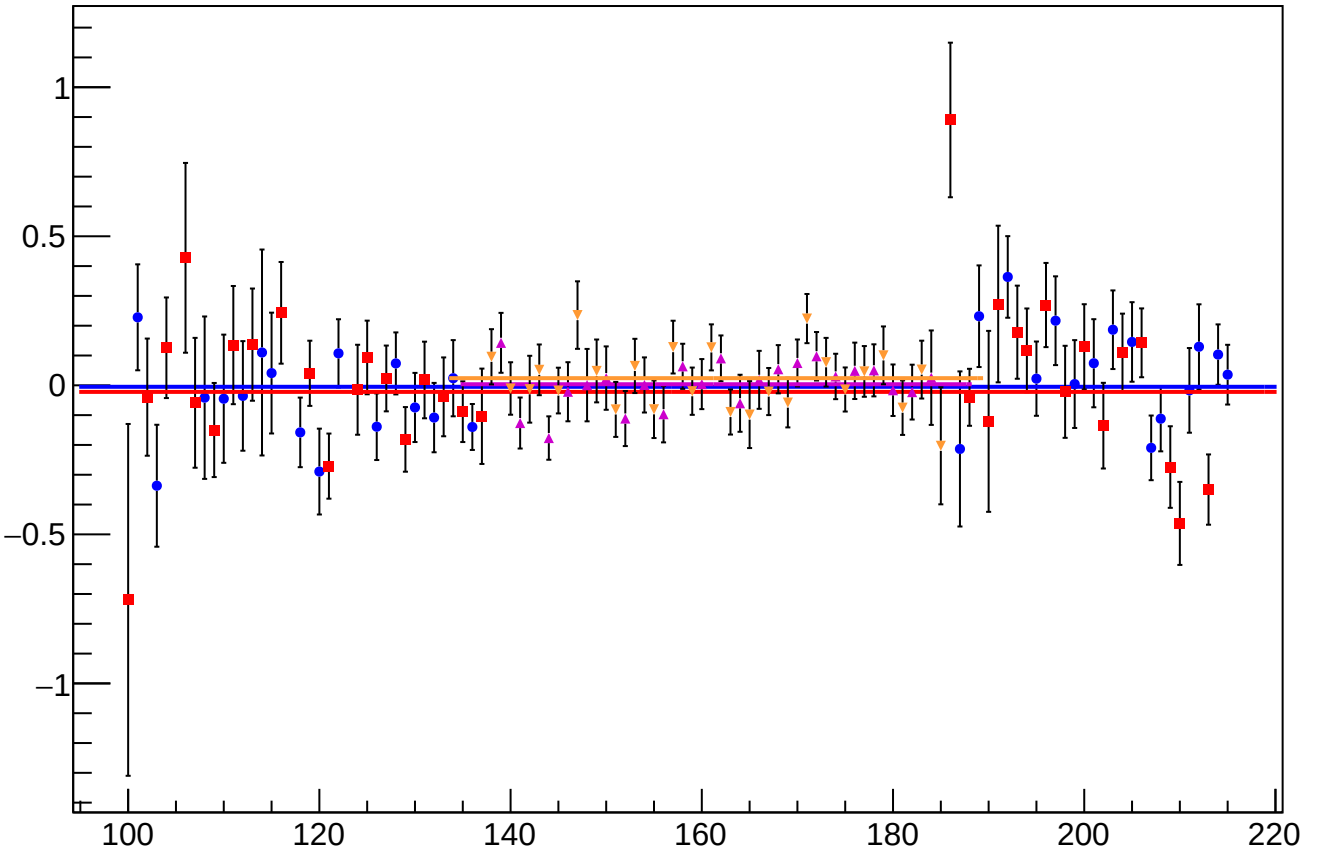
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 101.347+/-0.012 χ^2/NDF: 4745470.5/64

In: 86.874+/-0.010 χ^2/NDF:3746688.5/53

Out: 86.445+/-0.010 χ^2/NDF:4272563.6/58

All: 86.657+/-0.007 χ^2/NDF: 8020124.7/112



Right In: -0.005+/-0.024 χ^2/NDF: 39.9/30

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.022+/-0.025 χ^2/NDF: 64.8/33

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

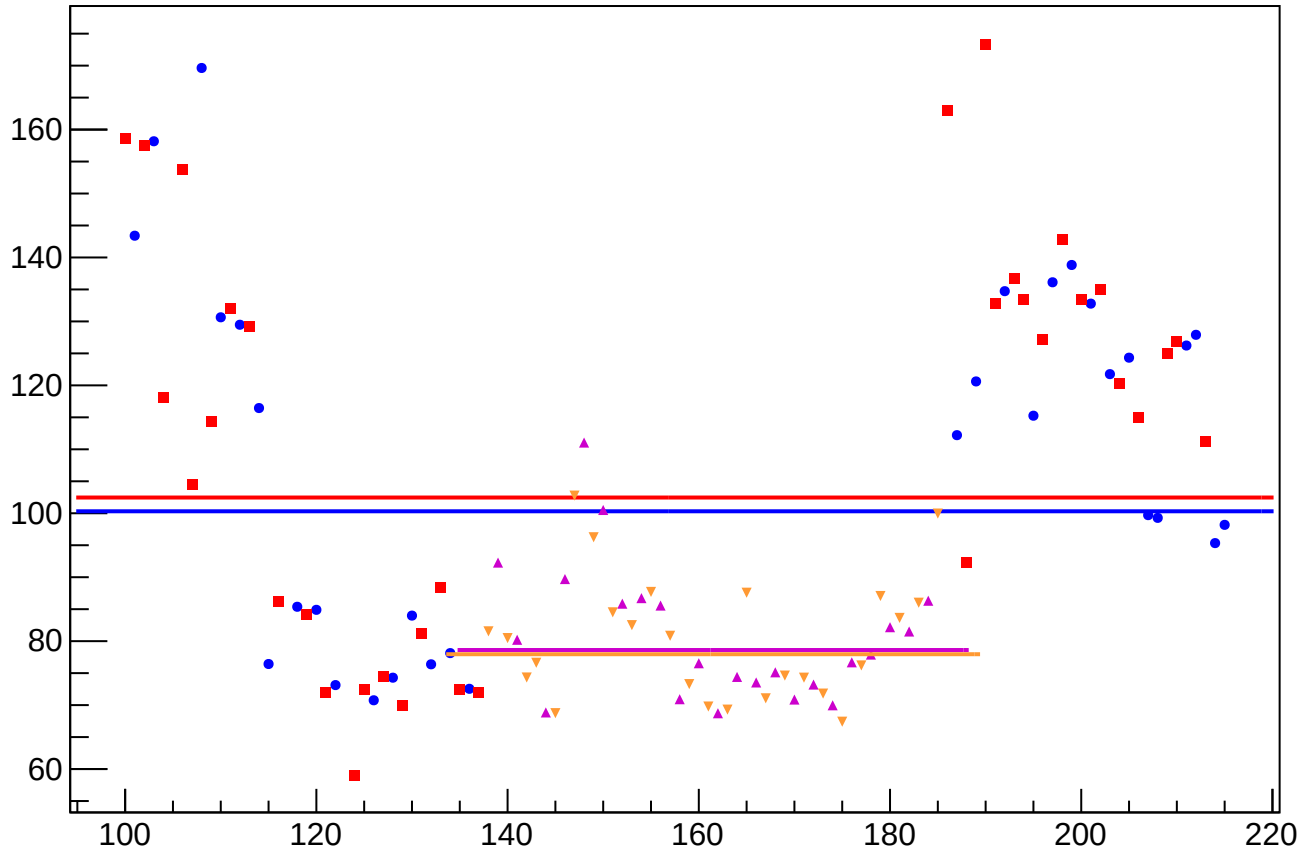
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.013+/-0.017 χ^2/NDF: 104.9/64

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.004+/-0.010 χ^2/NDF: 151.6/112



Right In: 100.309+/-0.017 χ^2/NDF: 2209206.4/30

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 102.461+/-0.017 χ^2/NDF: 2528296.5/33

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

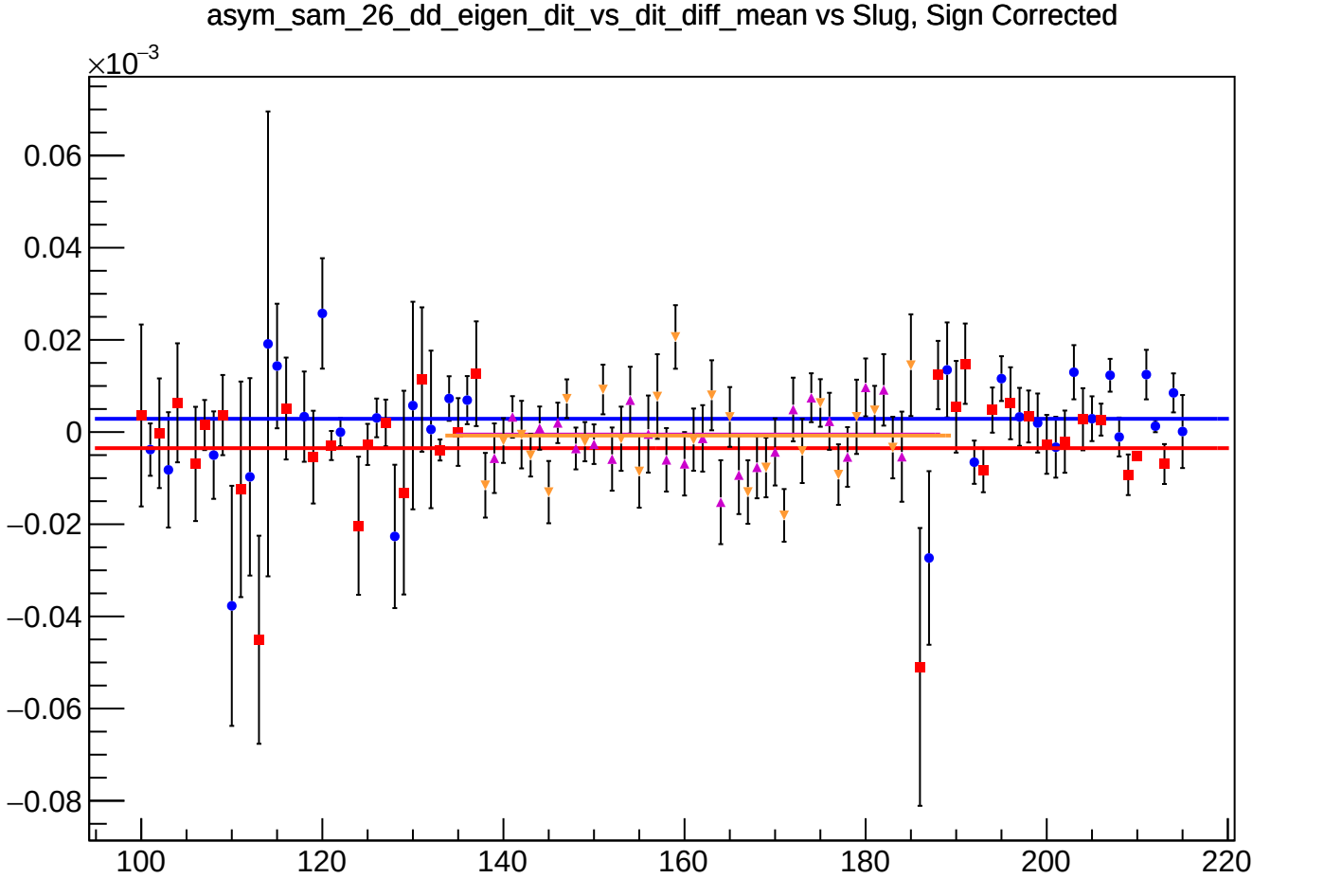
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

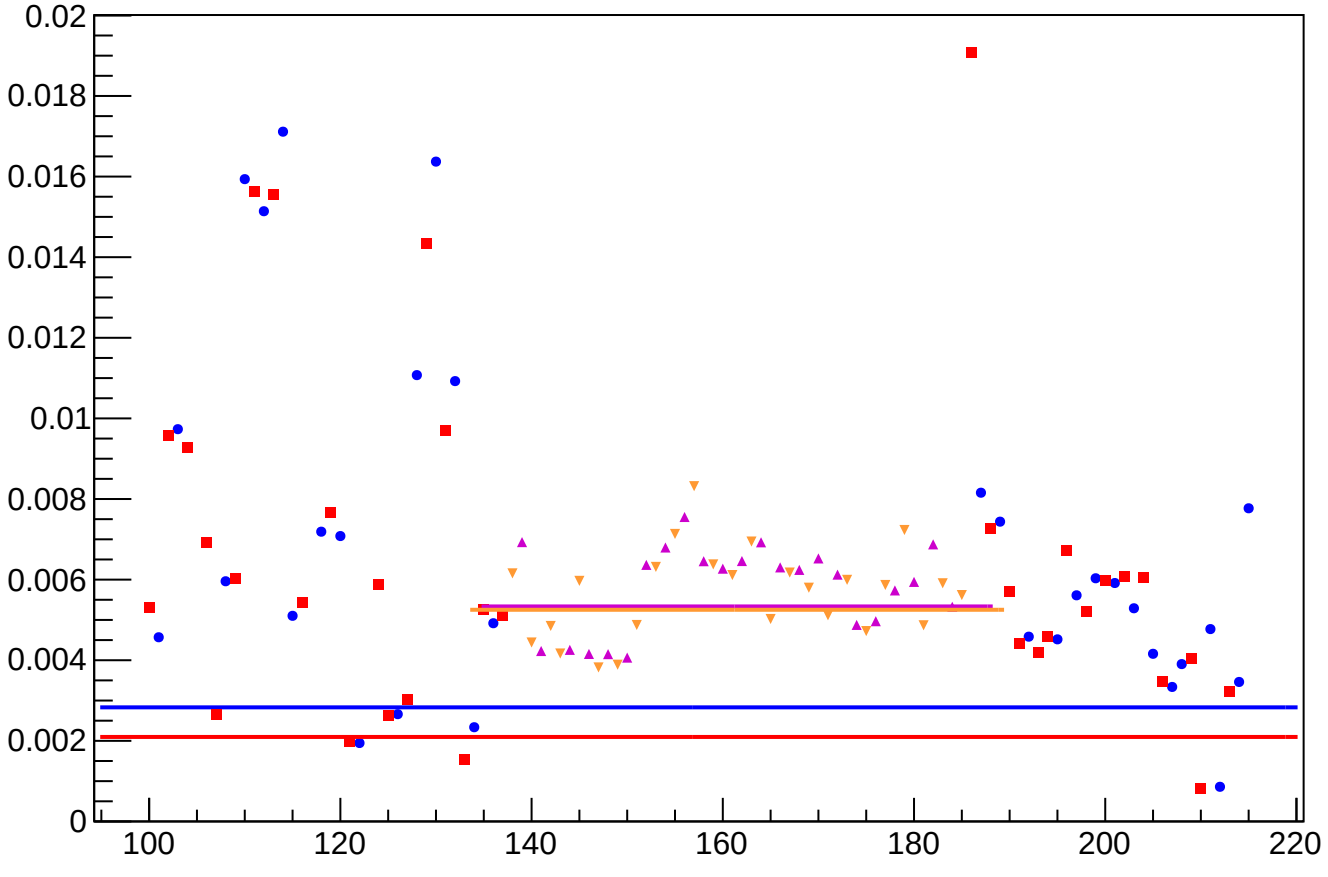
Right: 101.347+/-0.012 χ^2/NDF: 4745470.5/64

In: 86.874+/-0.010 χ^2/NDF:3746688.5/53

Out: 86.445+/-0.010 χ^2/NDF:4272563.6/58

All: 86.657+/-0.007 χ^2/NDF: 8020124.7/112


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
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: 44.4/30
Left Out: -0.000+/-0.000 χ²/NDF:47.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 41.4/33
Left In: -0.000+/-0.000 χ²/NDF:18.6/22
Left: -0.000+/-0.000 χ²/NDF: 66.2/47
Right: -0.000+/-0.000 χ²/NDF: 120.0/64
In: 0.000+/-0.000 χ²/NDF:68.0/53
Out: -0.000+/-0.000 χ²/NDF:92.8/58
All: -0.000+/-0.000 χ²/NDF: 186.3/112



Right In: 0.003+/-0.000 χ^2/NDF: 13978345.1/30

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 17421365.8/33

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

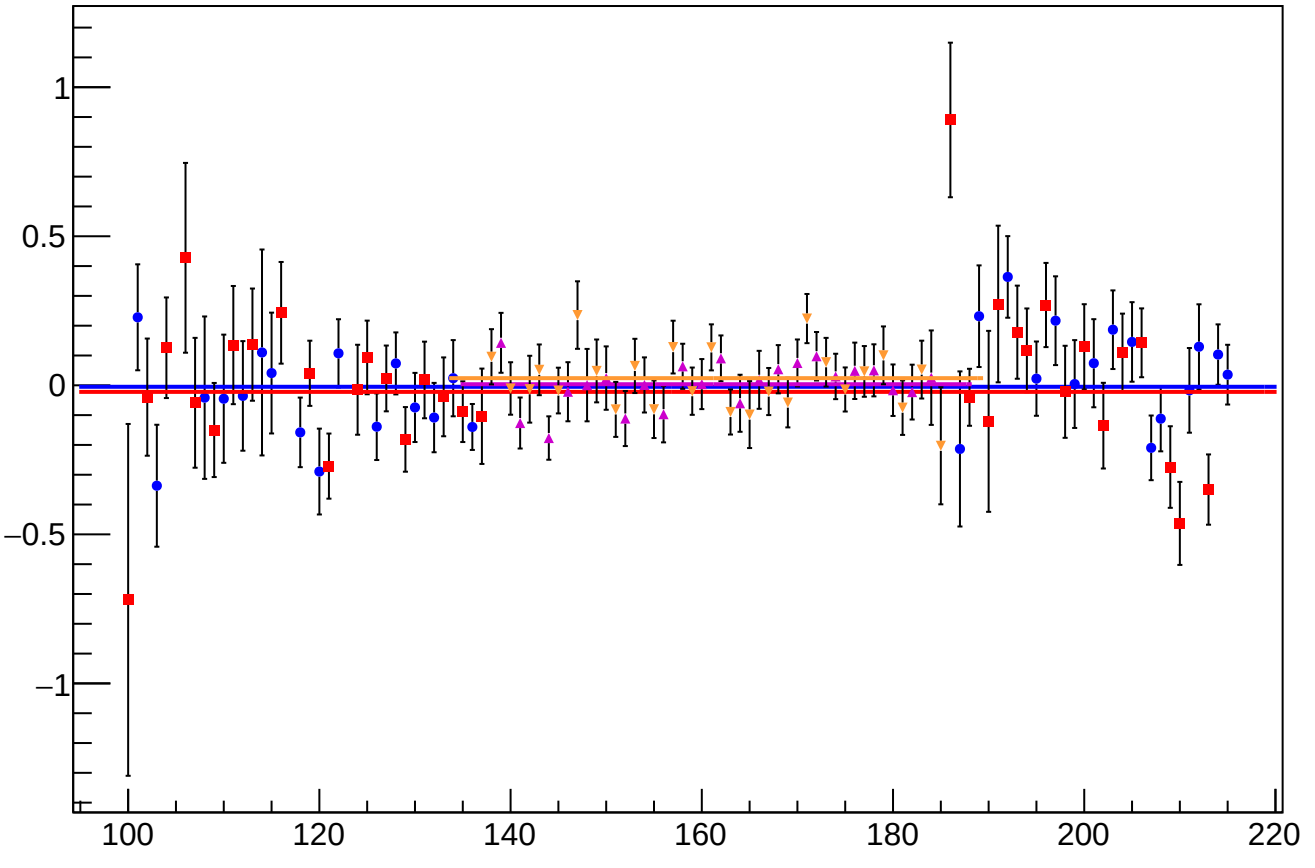
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.002+/-0.000 χ^2/NDF: 32309209.5/64

In: 0.004+/-0.000 χ^2/NDF:20805001.1/53

Out: 0.003+/-0.000 χ^2/NDF:29051858.7/58

All: 0.003+/-0.000 χ^2/NDF: 51142723.2/112



Right In: -0.005+/-0.024 χ^2/NDF: 39.9/30

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.022+/-0.025 χ^2/NDF: 64.8/33

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

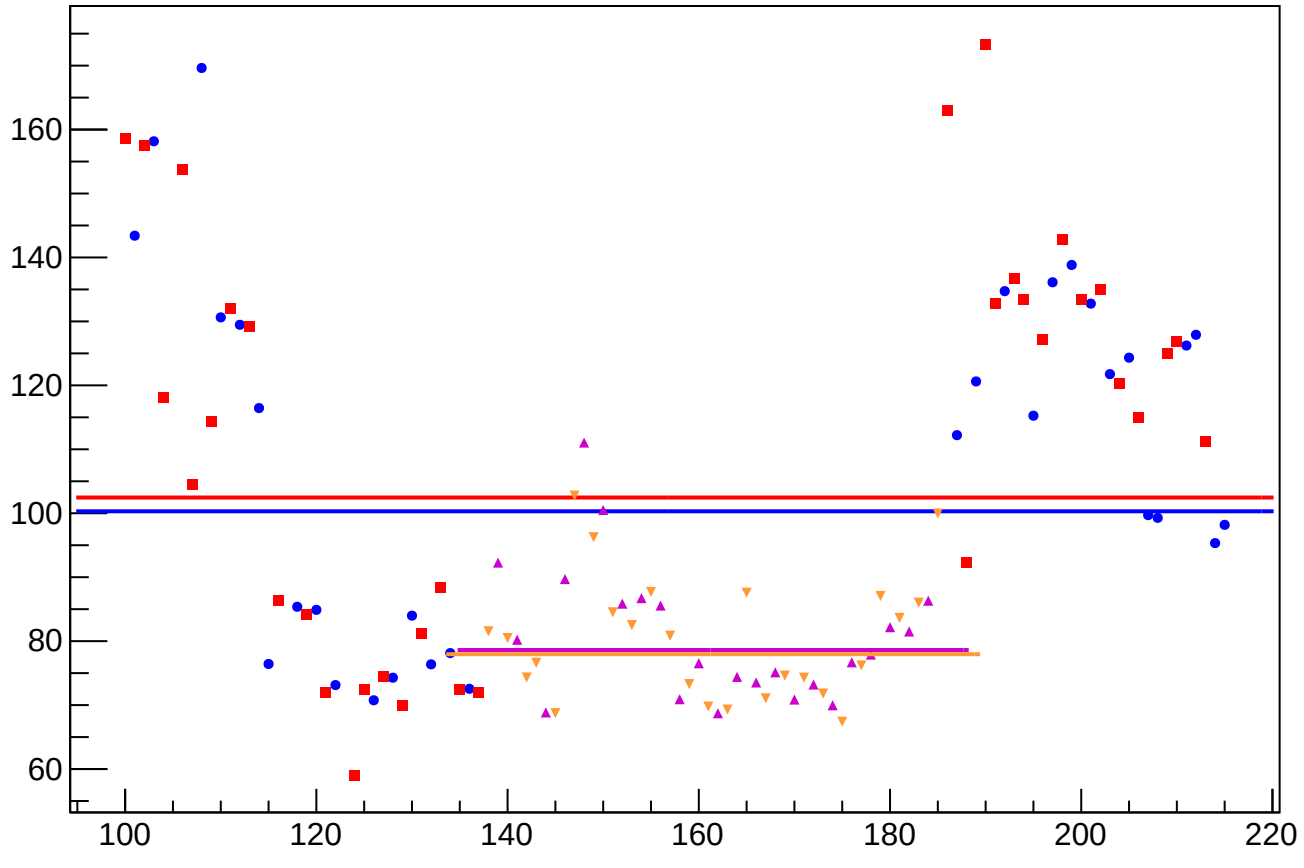
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.013+/-0.017 χ^2/NDF: 104.9/64

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.004+/-0.010 χ^2/NDF: 151.6/112



Right In: 100.307+/-0.017 χ^2/NDF: 2209345.5/30

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 102.459+/-0.017 χ^2/NDF: 2528421.0/33

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

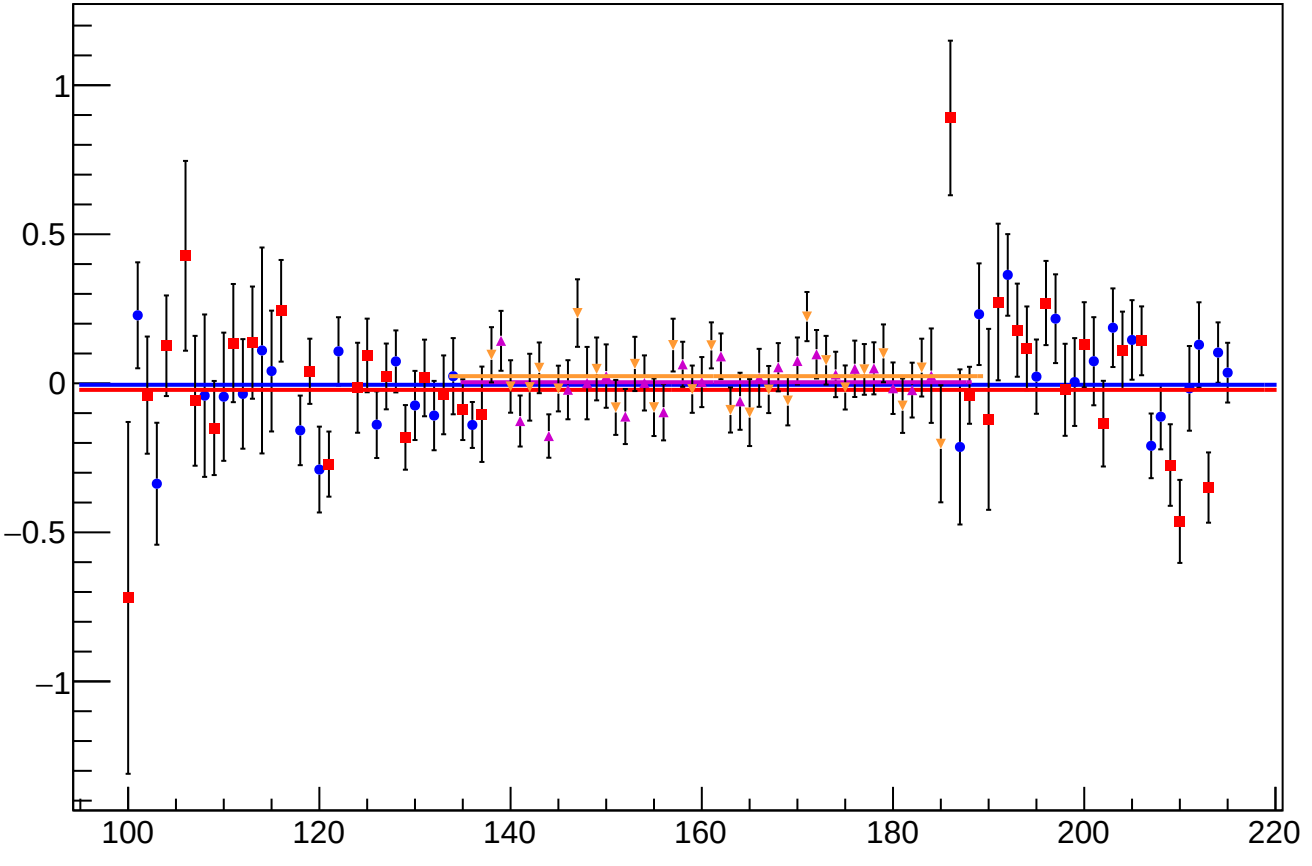
Right: 101.345+/-0.012 χ^2/NDF: 4745734.4/64

In: 86.873+/-0.010 χ^2/NDF:3746789.8/53

Out: 86.444+/-0.010 χ^2/NDF:4272616.2/58

All: 86.656+/-0.007 χ^2/NDF: 8020277.5/112

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.024 χ^2/NDF: 39.9/30

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.022+/-0.025 χ^2/NDF: 64.8/33

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

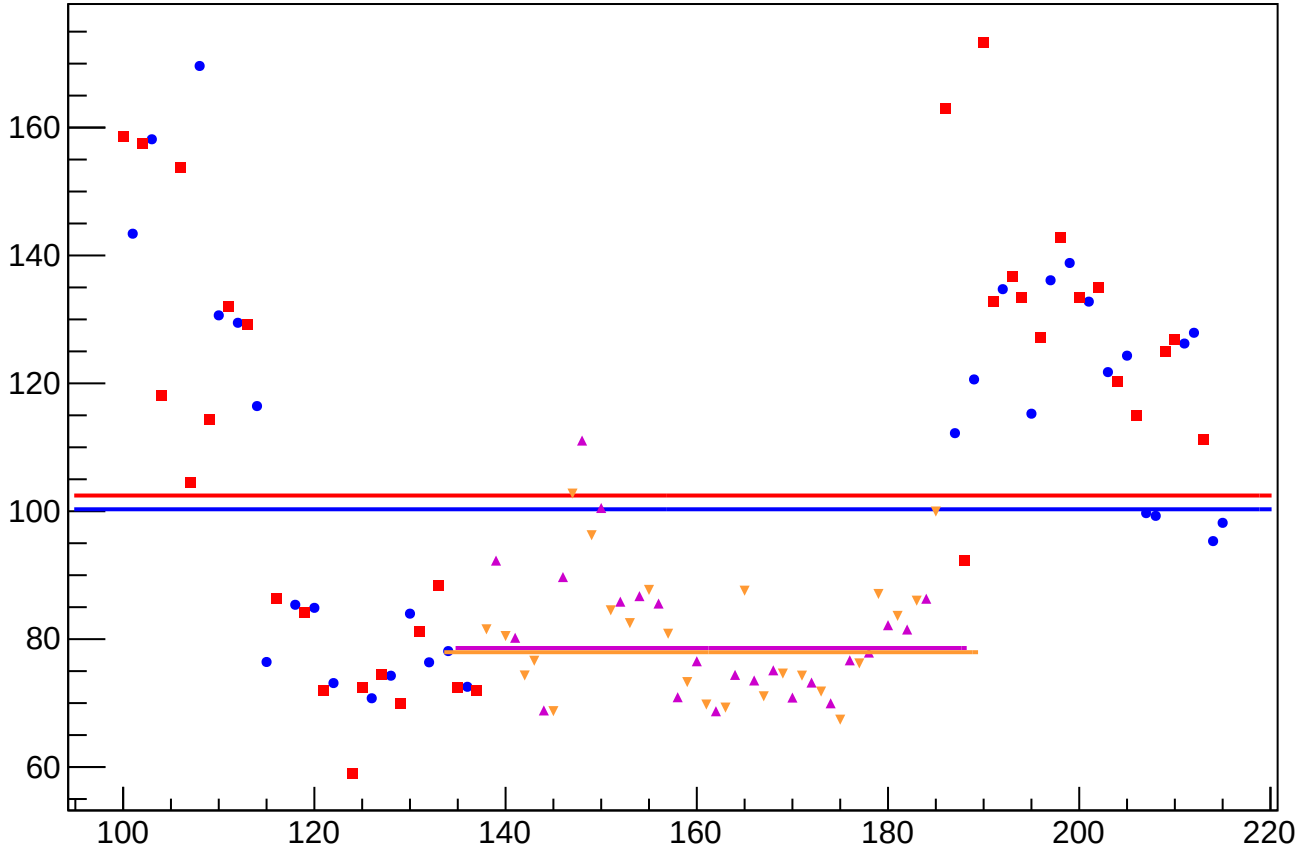
Right: -0.013+/-0.017 χ^2/NDF: 104.9/64

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: 0.008+/-0.014 χ^2/NDF:92.6/58

All: 0.004+/-0.010 χ^2/NDF: 151.6/112

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 100.307+/-0.017 χ^2/NDF: 2209345.5/30

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 102.459+/-0.017 χ^2/NDF: 2528421.0/33

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

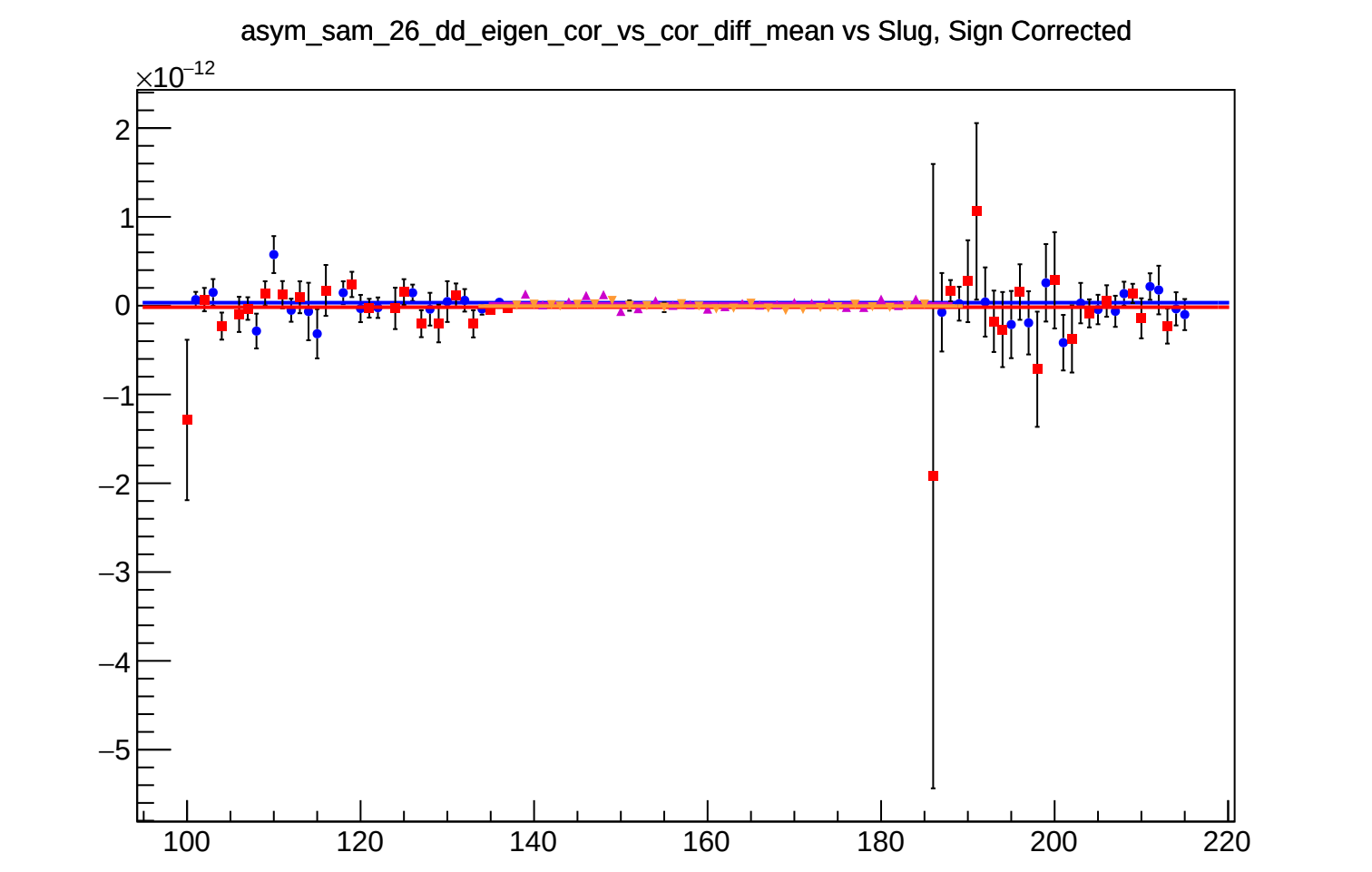
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 101.345+/-0.012 χ^2/NDF: 4745734.4/64

In: 86.873+/-0.010 χ^2/NDF:3746789.8/53

Out: 86.444+/-0.010 χ^2/NDF:4272616.2/58

All: 86.656+/-0.007 χ^2/NDF: 8020277.5/112



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/33

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

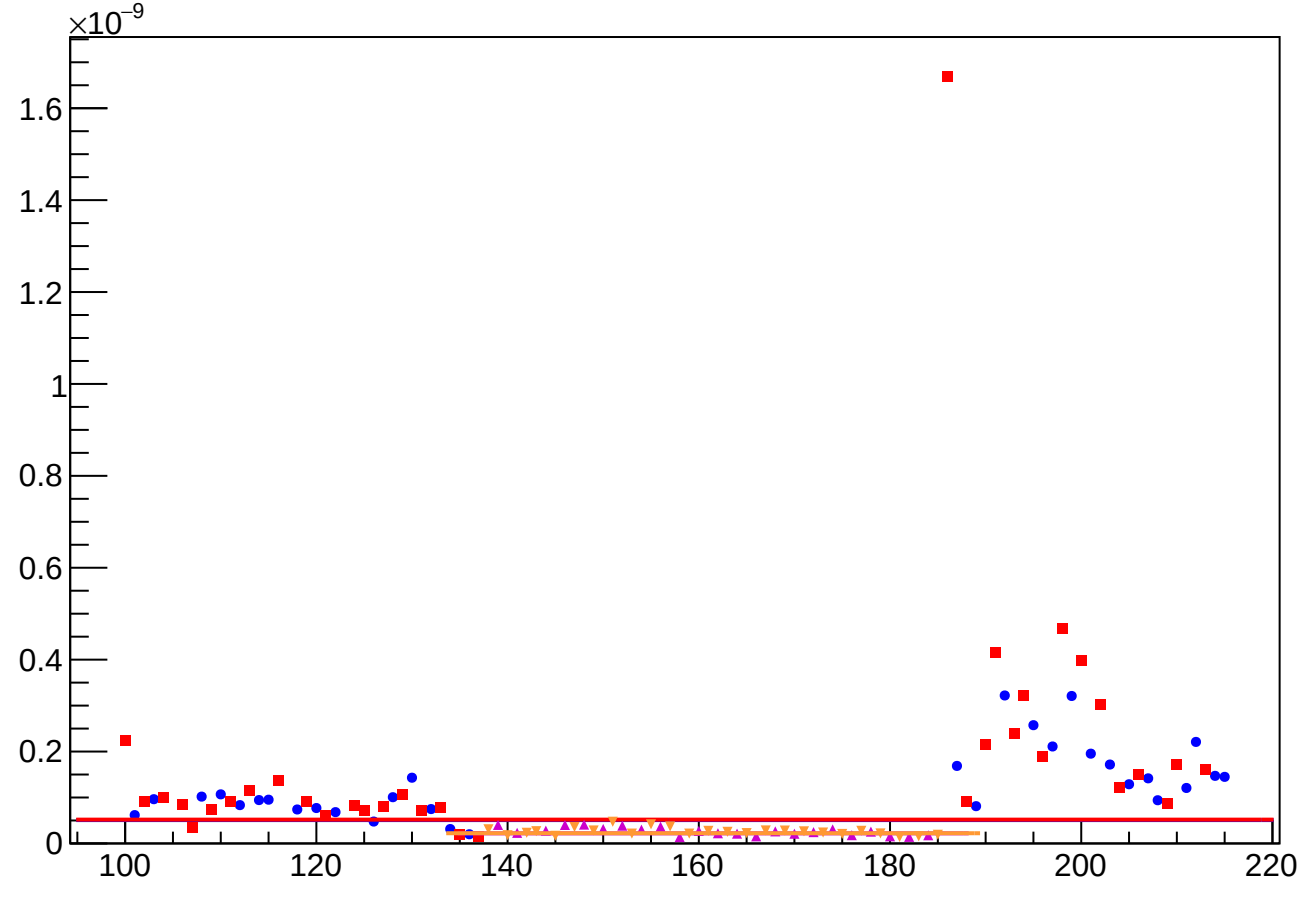
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 55.7/64

In: 0.000+/-0.000 χ^2/NDF:63.6/53

Out: -0.000+/-0.000 χ^2/NDF:42.7/58

All: 0.000+/-0.000 χ^2/NDF: 117.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 11674681.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12700500.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

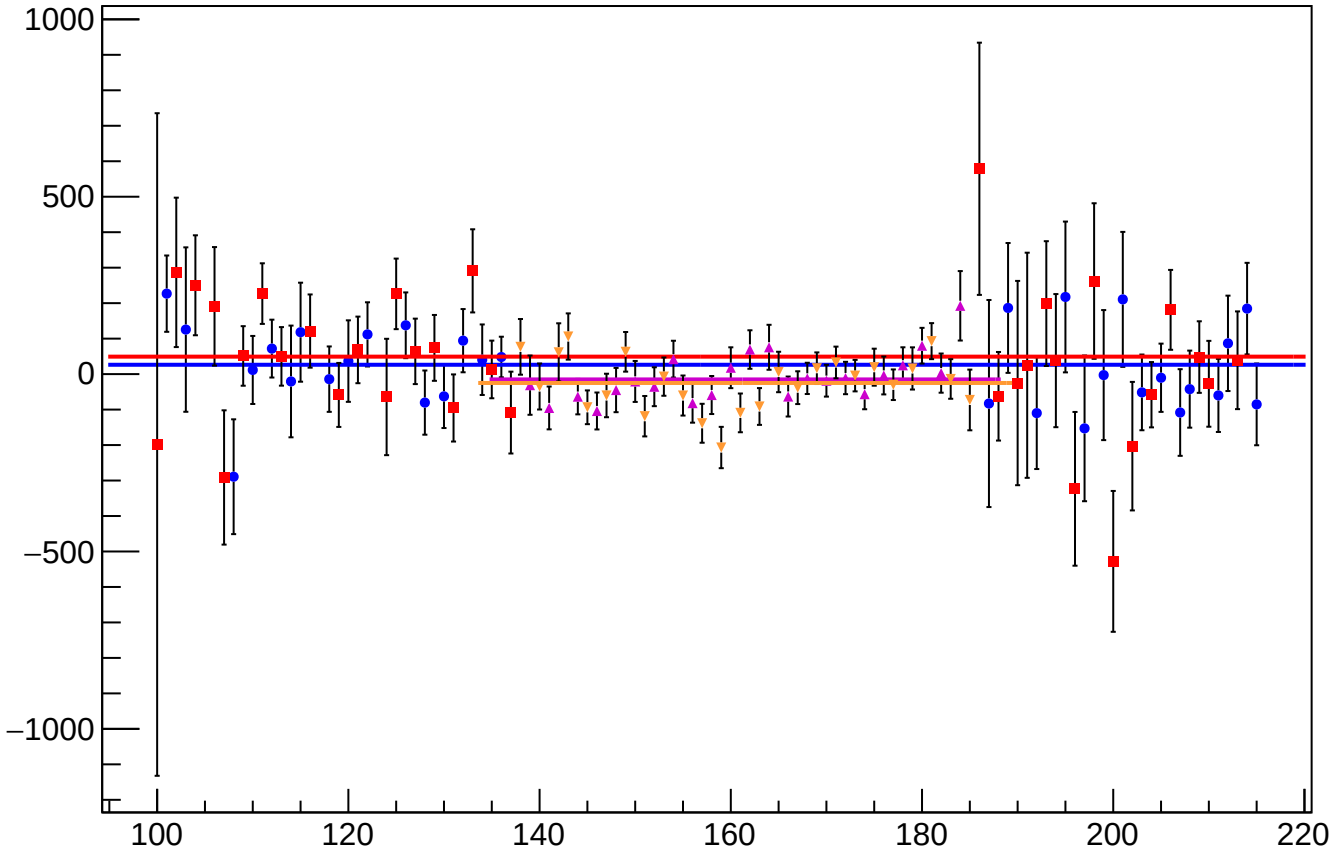
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 24377509.5/64

In: 0.000+/-0.000 χ^2/NDF:18500075.8/53

Out: 0.000+/-0.000 χ^2/NDF:18776042.3/58

All: 0.000+/-0.000 χ^2/NDF: 37277165.6/112



Right In: 26.326+/-19.903 χ^2/NDF: 23.8/30

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 49.227+/-20.645 χ^2/NDF: 47.3/33

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

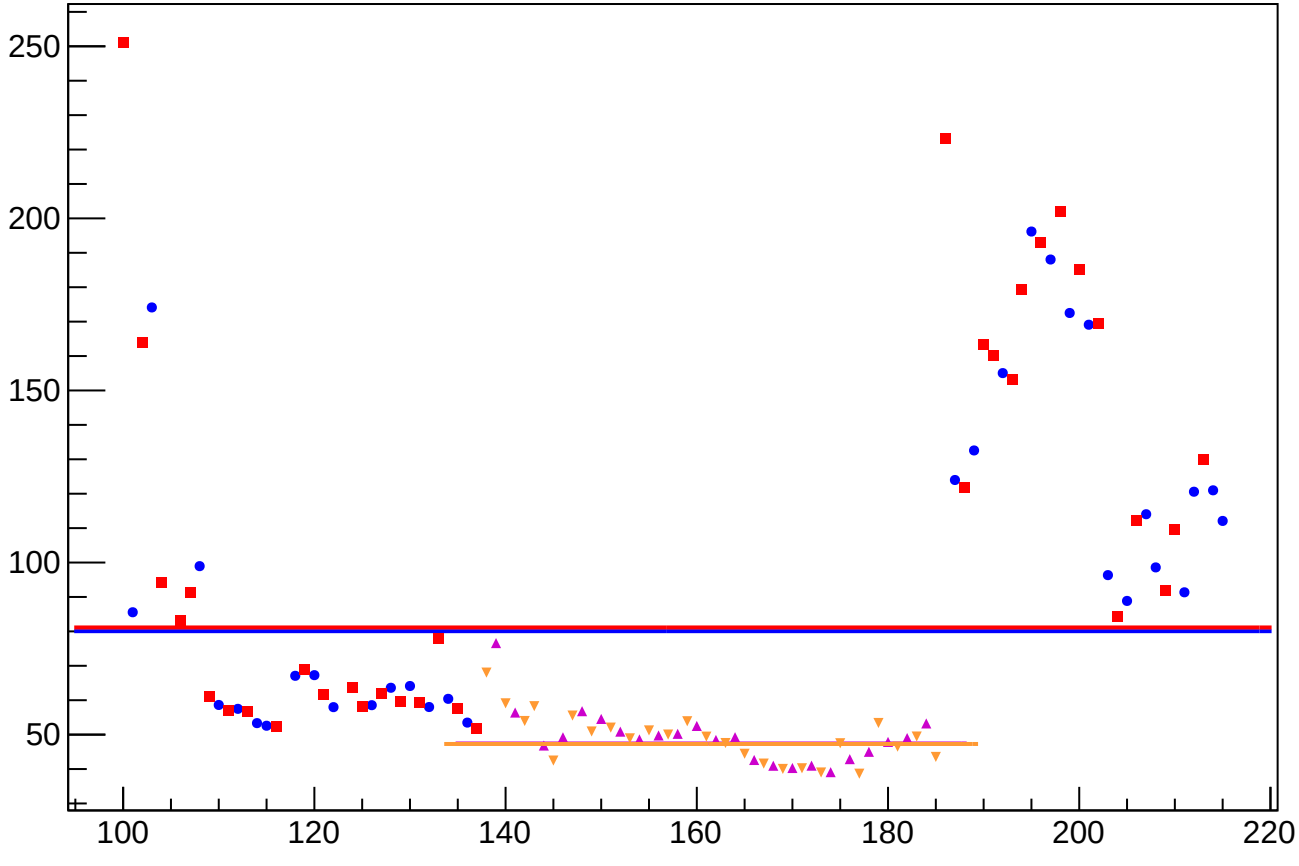
Right: 37.358+/-14.329 χ^2/NDF: 71.7/64

In: -5.032+/-9.773 χ^2/NDF:51.8/53

Out: -8.839+/-9.630 χ^2/NDF:100.5/58

All: -6.964+/-6.859 χ^2/NDF: 152.4/112

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 80.059+/-0.014 χ^2/NDF: 5400683.0/30

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 81.140+/-0.015 χ^2/NDF: 6258298.2/33

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

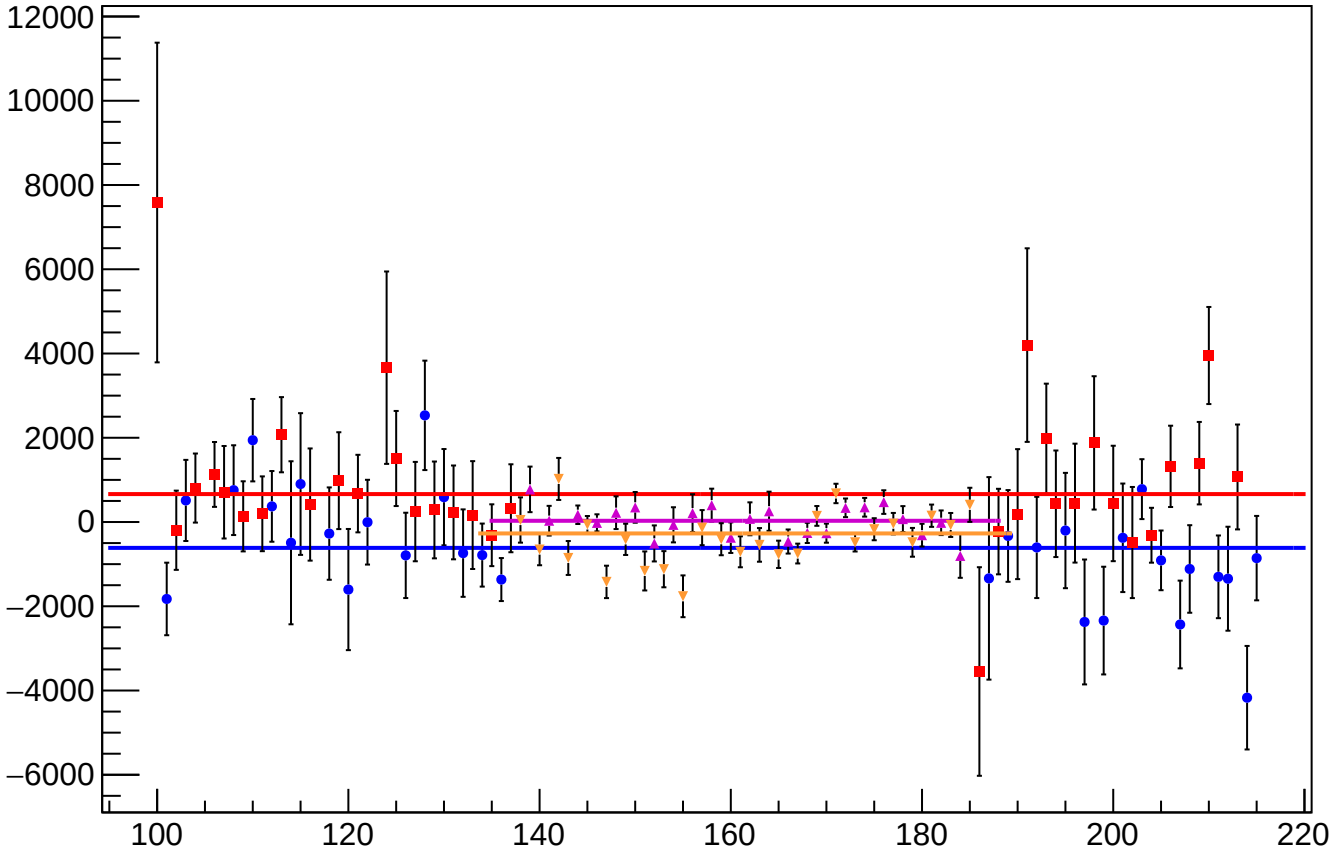
Right: 80.579+/-0.010 χ^2/NDF: 11661823.6/64

In: 55.292+/-0.007 χ^2/NDF:10136749.0/53

Out: 54.650+/-0.007 χ^2/NDF:11183674.2/58

All: 54.967+/-0.005 χ^2/NDF: 21324800.9/112

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -613.856+/-180.575 χ^2/NDF: 44.3/30

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 663.116+/-185.204 χ^2/NDF: 32.6/33

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

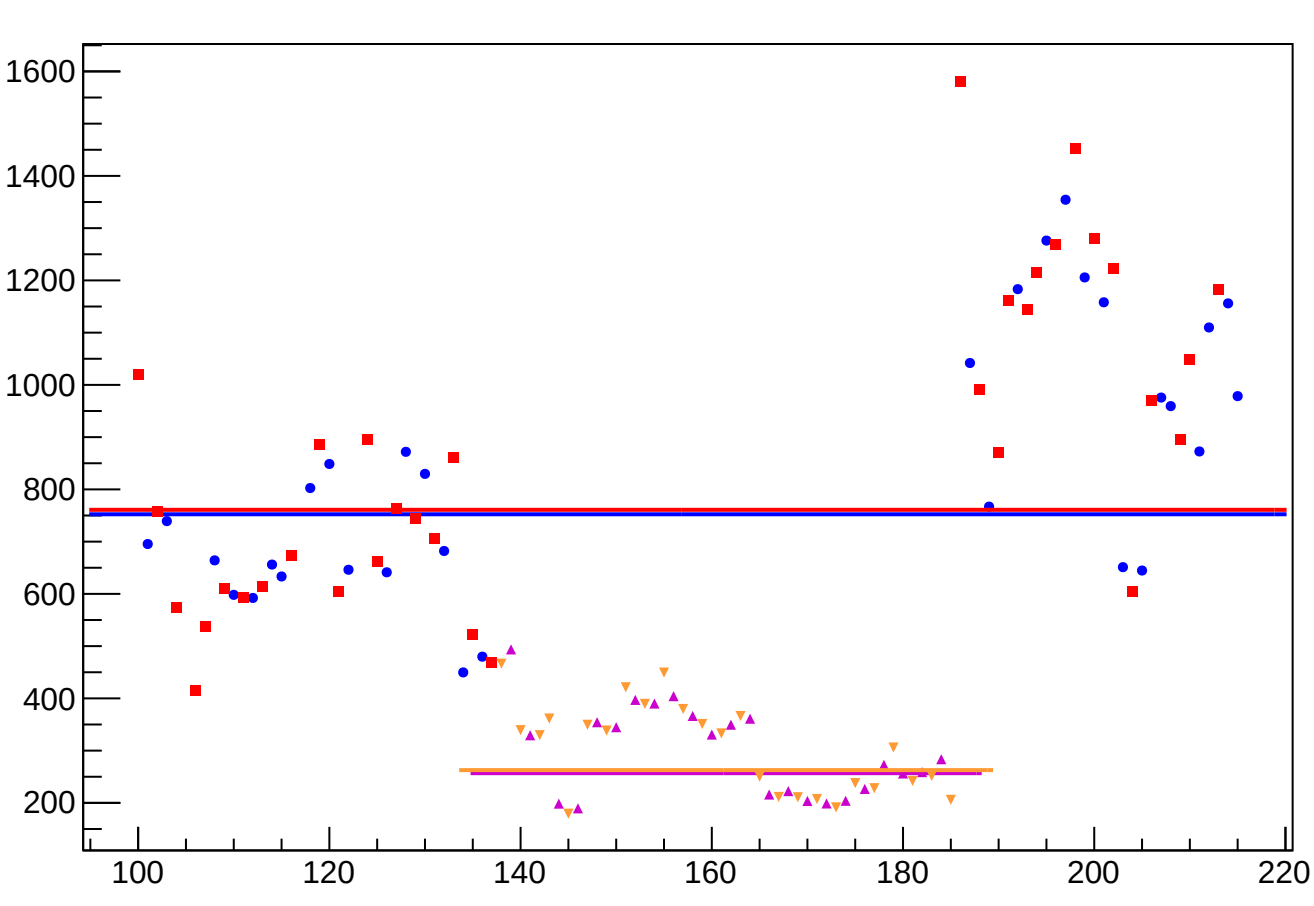
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 8.471+/-129.291 χ^2/NDF: 101.3/64

In: -39.930+/-59.206 χ^2/NDF:80.0/53

Out: -175.947+/-59.088 χ^2/NDF:129.4/58

All: -108.075+/-41.823 χ^2/NDF: 212.1/112



Right In: 752.360+/-0.128 χ^2/NDF: 3285244.4/30

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 760.902+/-0.131 χ^2/NDF: 3887847.0/33

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

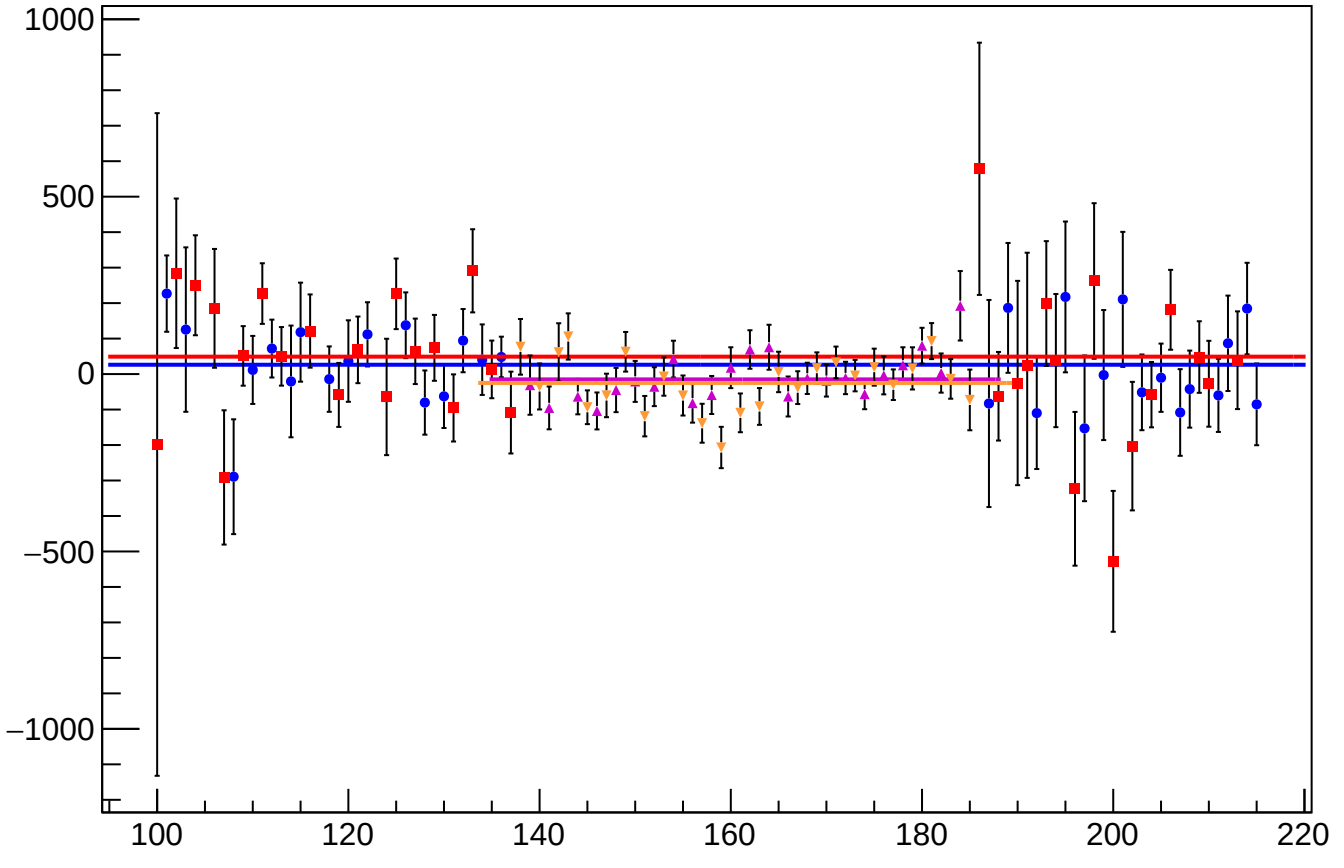
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 756.523+/-0.091 χ^2/NDF: 7175272.3/64

In: 310.112+/-0.042 χ^2/NDF:19365763.5/53

Out: 313.392+/-0.042 χ^2/NDF:19781491.7/58

All: 311.755+/-0.030 χ^2/NDF: 39150329.9/11



Right In: 26.320+/-19.903 χ^2/NDF: 23.8/30

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 49.097+/-20.646 χ^2/NDF: 47.2/33

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

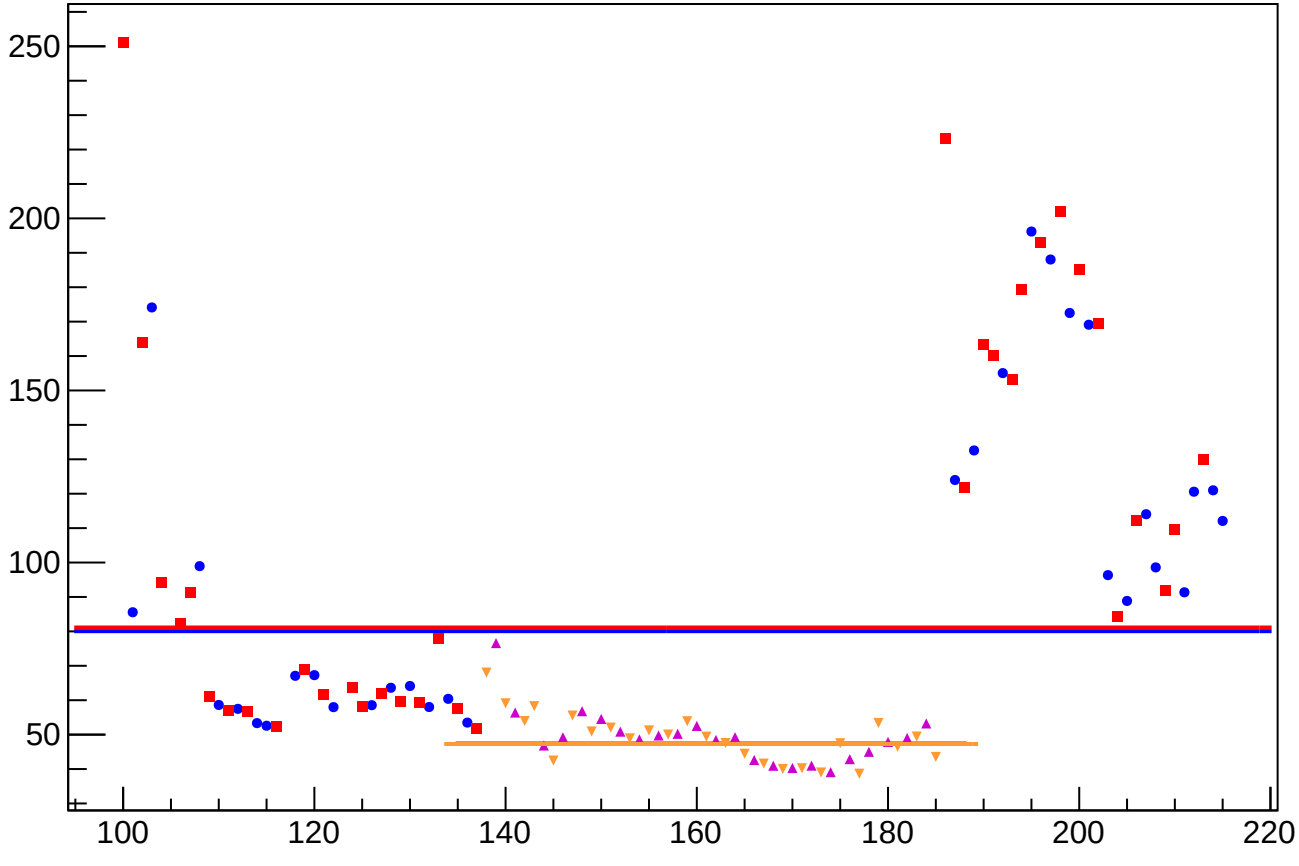
Right: 37.292+/-14.329 χ^2/NDF: 71.6/64

In: -5.032+/-9.773 χ^2/NDF:51.8/53

Out: -8.866+/-9.631 χ^2/NDF:100.4/58

All: -6.977+/-6.859 χ^2/NDF: 152.3/112

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 80.059+/-0.014 χ^2/NDF: 5400685.4/30

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 81.124+/-0.015 χ^2/NDF: 6258250.5/33

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

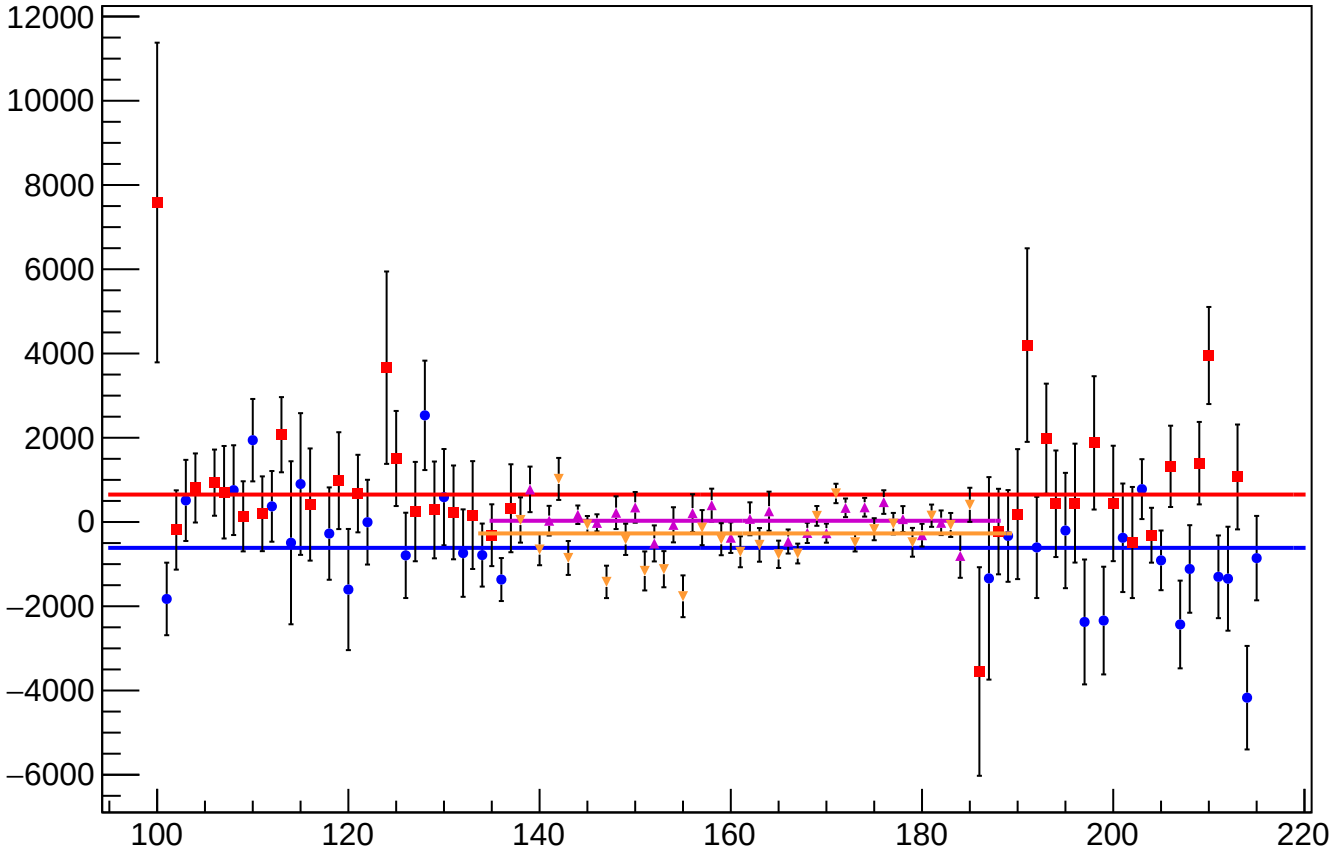
Right: 80.572+/-0.010 χ^2/NDF: 11661696.1/64

In: 55.292+/-0.007 χ^2/NDF:10136750.9/53

Out: 54.647+/-0.007 χ^2/NDF:11179429.4/58

All: 54.965+/-0.005 χ^2/NDF: 21320611.6/112

asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -613.857+/-180.575 χ^2/NDF: 44.3/30

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 651.560+/-185.421 χ^2/NDF: 32.4/33

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

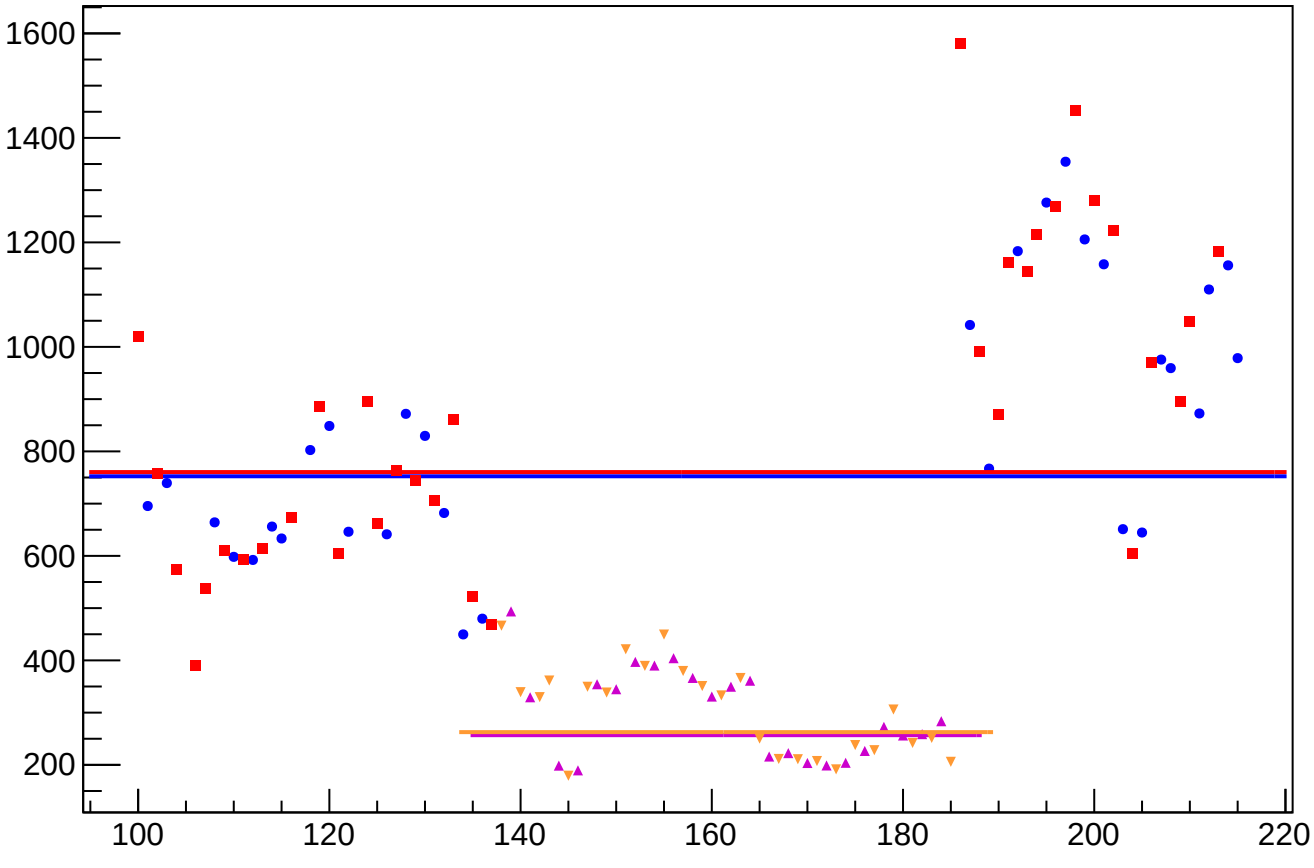
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 2.100+/-129.365 χ^2/NDF: 100.6/64

In: -39.928+/-59.206 χ^2/NDF:80.0/53

Out: -177.316+/-59.095 χ^2/NDF:128.5/58

All: -108.752+/-41.826 χ^2/NDF: 211.2/112



Right In: 752.363+/-0.128 χ^2/NDF: 3285240.3/30

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 760.411+/-0.131 χ^2/NDF: 3926390.4/33

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

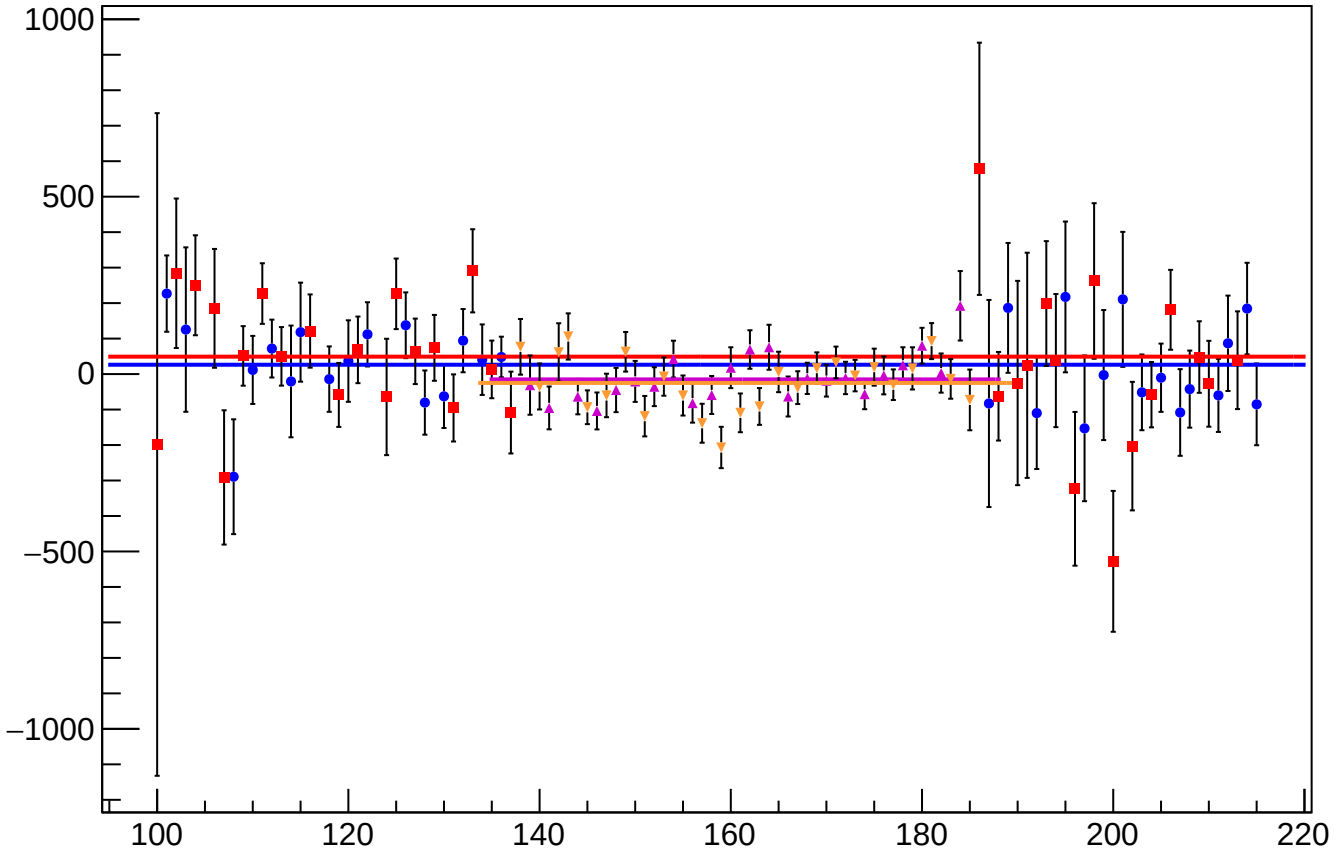
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 756.280+/-0.091 χ^2/NDF: 7213564.6/64

In: 310.112+/-0.042 χ^2/NDF:19365809.6/53

Out: 313.235+/-0.042 χ^2/NDF:19767141.7/58

All: 311.676+/-0.030 χ^2/NDF: 39135739.0/1



Right In: 26.320+/-19.903 χ^2/NDF: 23.8/30

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 49.097+/-20.646 χ^2/NDF: 47.2/33

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

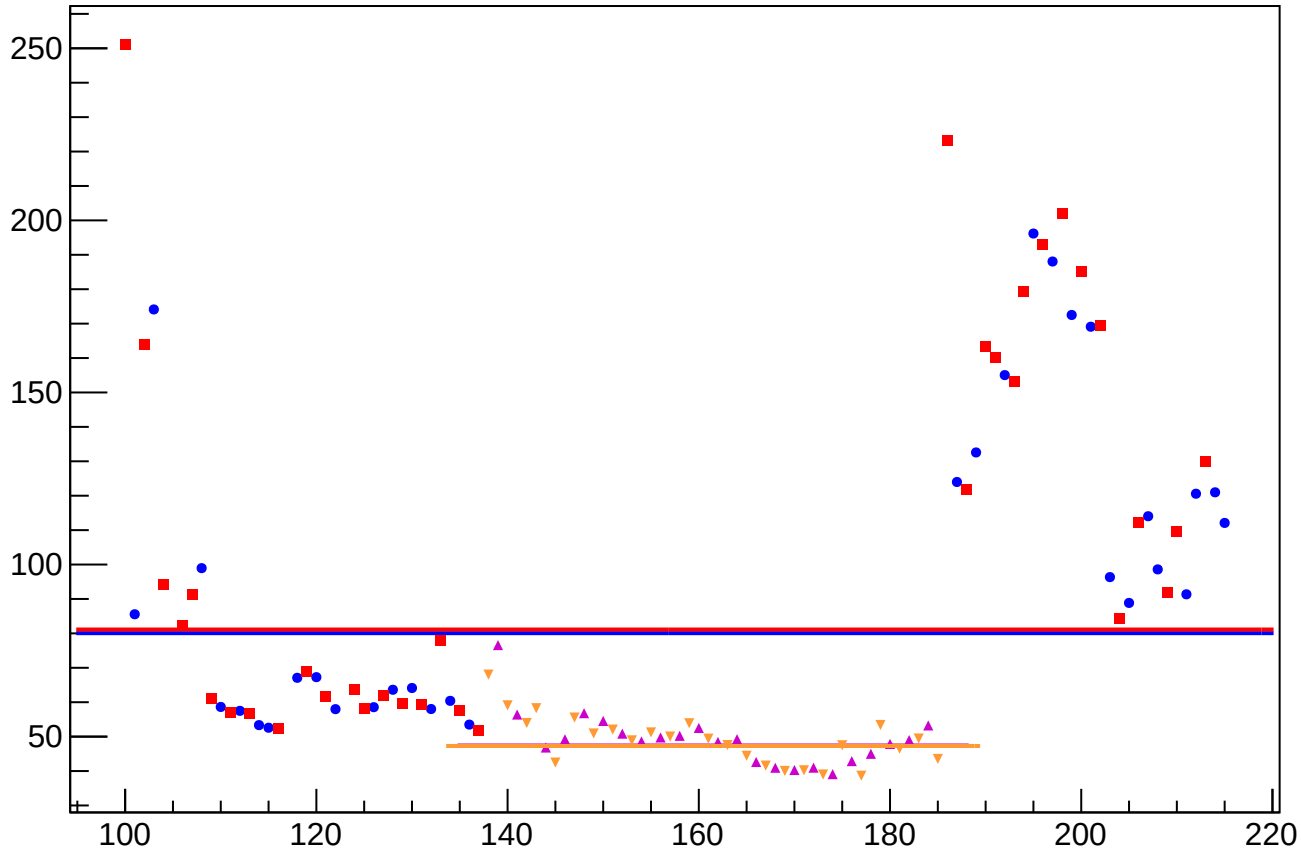
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 37.292+/-14.329 χ^2/NDF: 71.6/64

In: -5.032+/-9.773 χ^2/NDF:51.8/53

Out: -8.866+/-9.631 χ^2/NDF:100.4/58

All: -6.977+/-6.859 χ^2/NDF: 152.3/112



Right In: 80.059+/-0.014 χ^2/NDF: 5400685.4/30

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 81.124+/-0.015 χ^2/NDF: 6258250.5/33

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

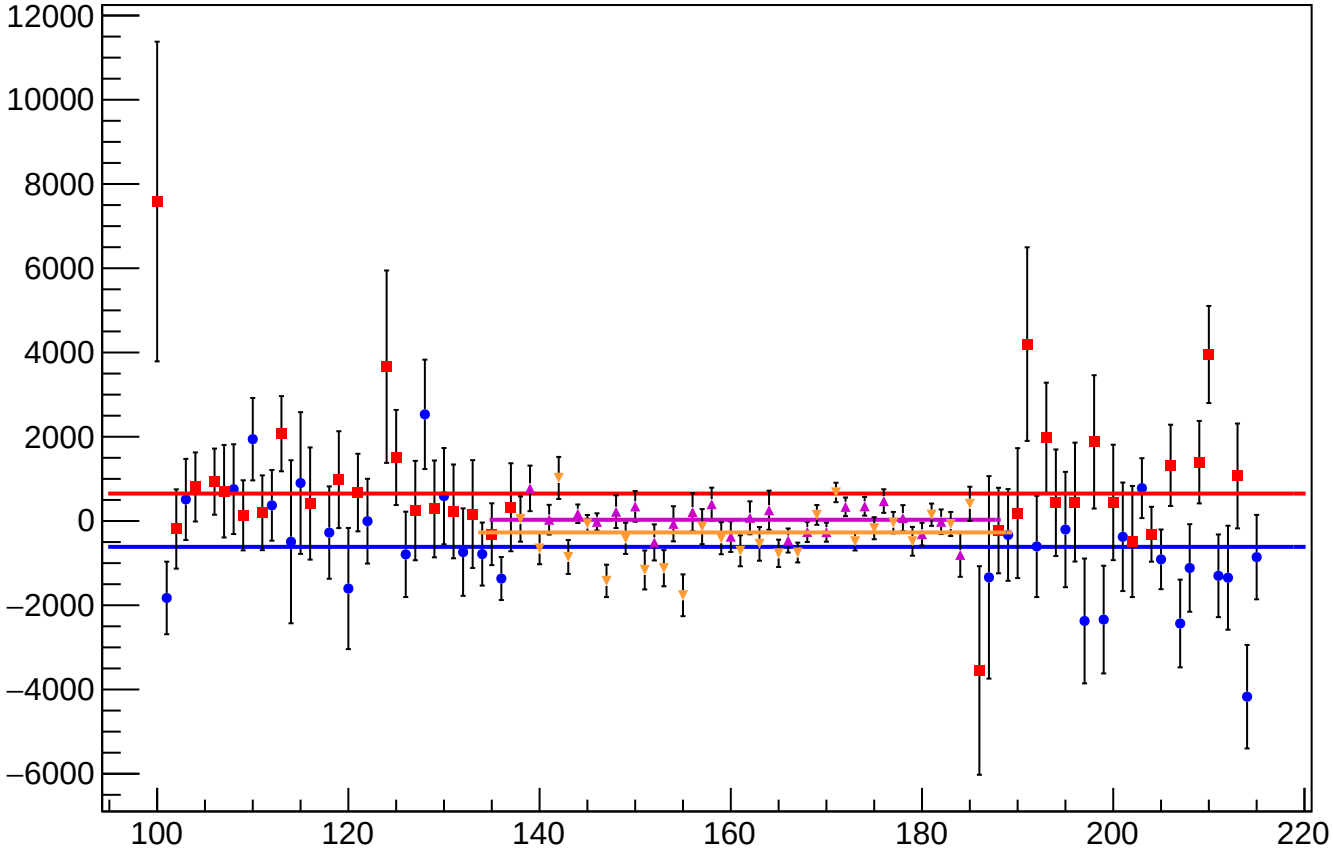
Right: 80.572+/-0.010 χ^2/NDF: 11661696.1/64

In: 55.292+/-0.007 χ^2/NDF:10136750.9/53

Out: 54.647+/-0.007 χ^2/NDF:11179429.4/58

All: 54.965+/-0.005 χ^2/NDF: 21320611.6/112

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -613.857+/-180.575 χ^2/NDF: 44.3/30

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 651.560+/-185.421 χ^2/NDF: 32.4/33

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

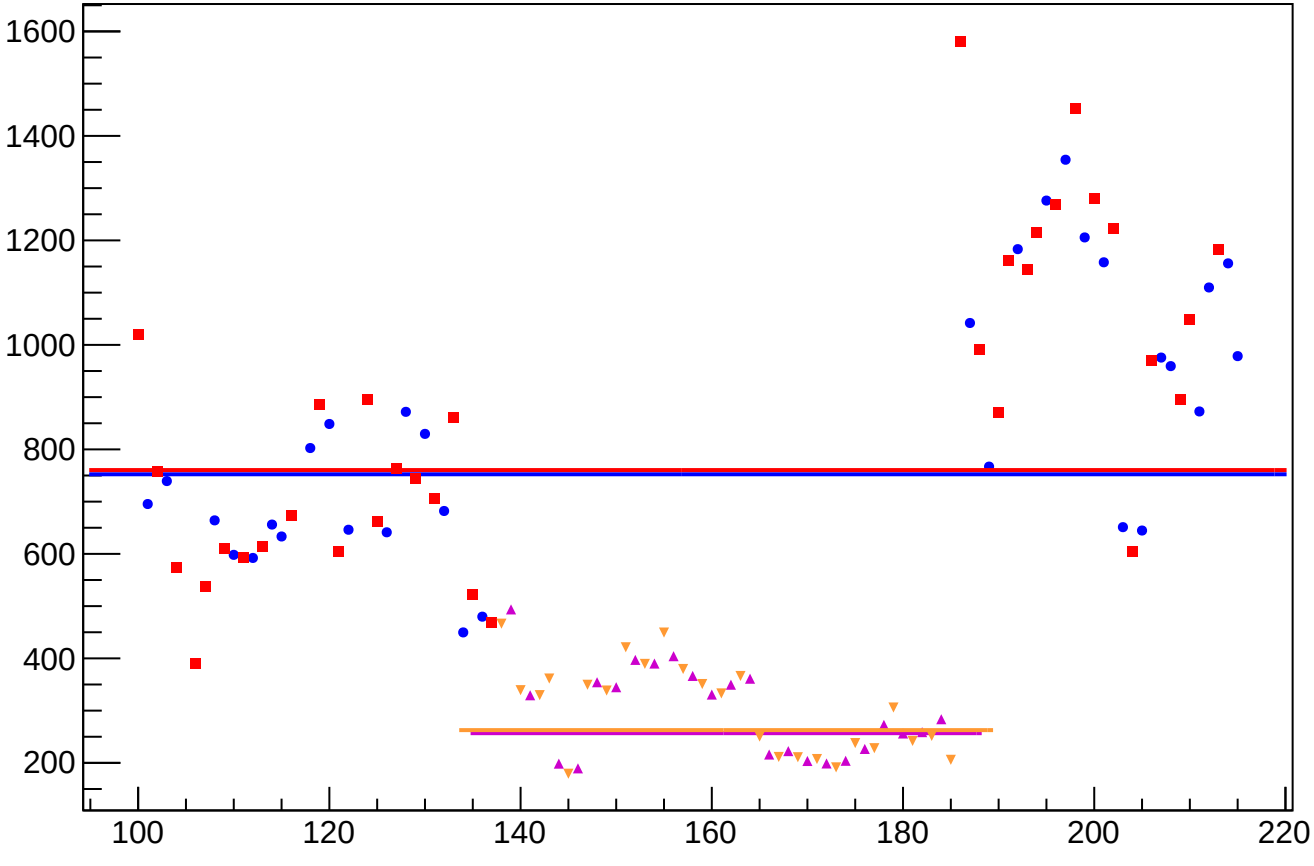
Right: 2.100+/-129.365 χ^2/NDF: 100.6/64

In: -39.928+/-59.206 χ^2/NDF:80.0/53

Out: -177.316+/-59.095 χ^2/NDF:128.5/58

All: -108.752+/-41.826 χ^2/NDF: 211.2/112

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 752.363+/-0.128 χ^2/NDF: 3285240.3/30

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 760.411+/-0.131 χ^2/NDF: 3926390.4/33

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

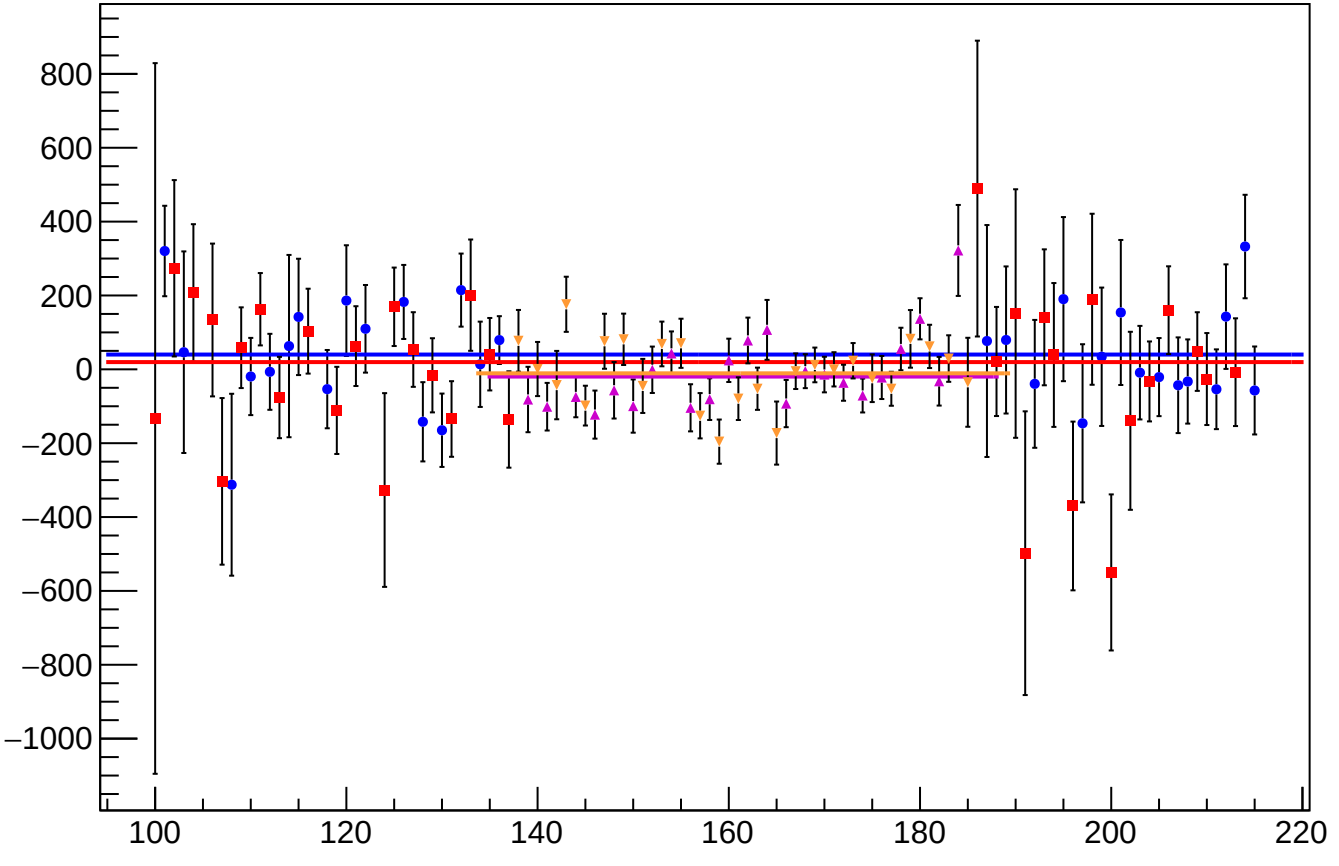
Right: 756.280+/-0.091 χ^2/NDF: 7213564.6/64

In: 310.112+/-0.042 χ^2/NDF:19365809.6/53

Out: 313.235+/-0.042 χ^2/NDF:19767141.7/58

All: 311.676+/-0.030 χ^2/NDF: 39135739.0/1

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 40.022+/-22.600 χ^2/NDF: 32.4/30

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 19.607+/-23.882 χ^2/NDF: 35.4/33

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

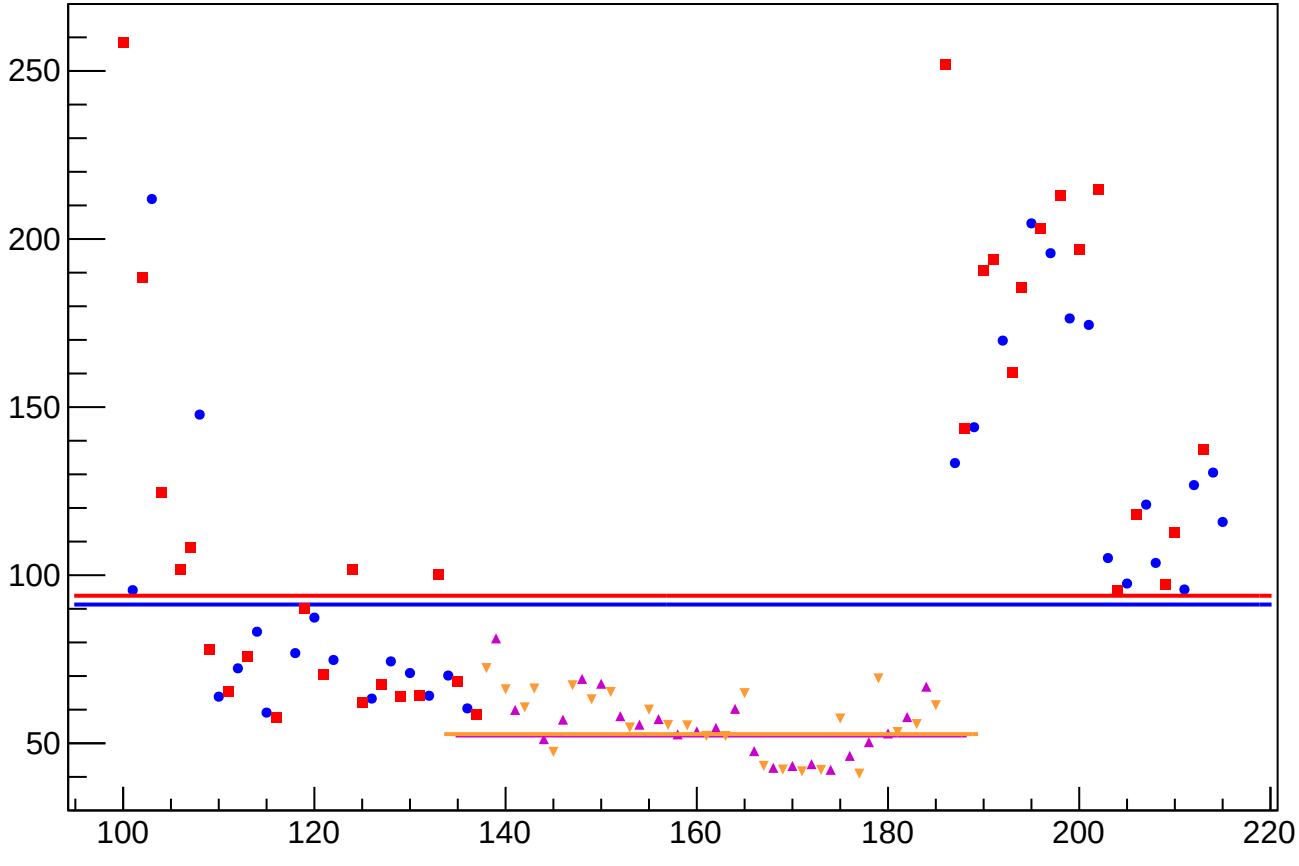
Right: 30.377+/-16.415 χ^2/NDF: 68.2/64

In: -5.553+/-10.969 χ^2/NDF:74.5/53

Out: -4.439+/-10.939 χ^2/NDF:77.1/58

All: -4.994+/-7.746 χ^2/NDF: 151.6/112

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 91.274+/-0.016 χ^2/NDF: 4716413.7/30

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 93.893+/-0.017 χ^2/NDF: 5769243.1/33

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

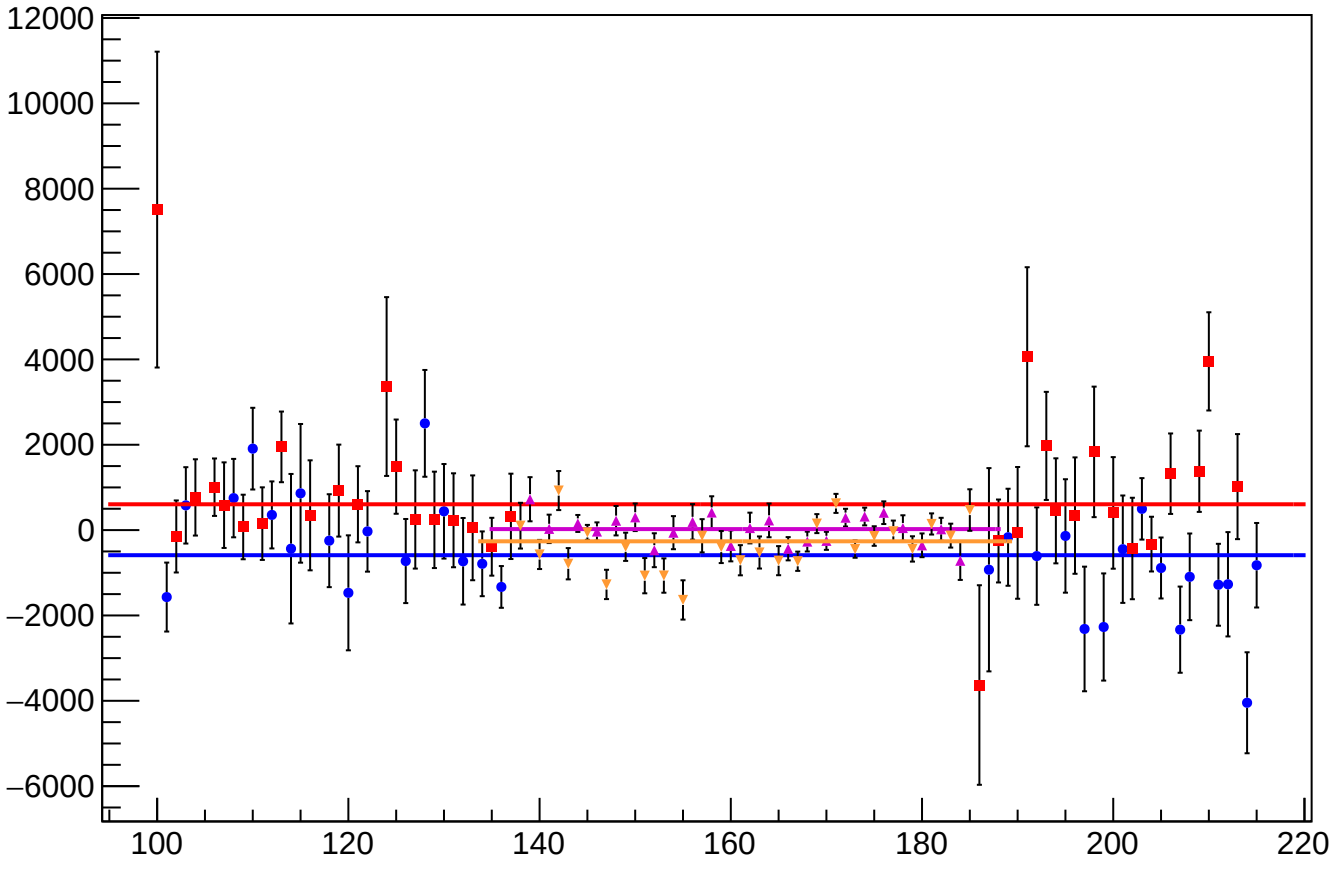
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 92.511+/-0.012 χ^2/NDF: 10498350.3/64

In: 61.491+/-0.008 χ^2/NDF:10151677.2/53

Out: 61.367+/-0.008 χ^2/NDF:11631228.5/58

All: 61.429+/-0.005 χ^2/NDF: 21783034.3/112



Right In: -588.112+/-175.089 χ^2/NDF: 43.2/30

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 605.064+/-176.779 χ^2/NDF: 34.9/33

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

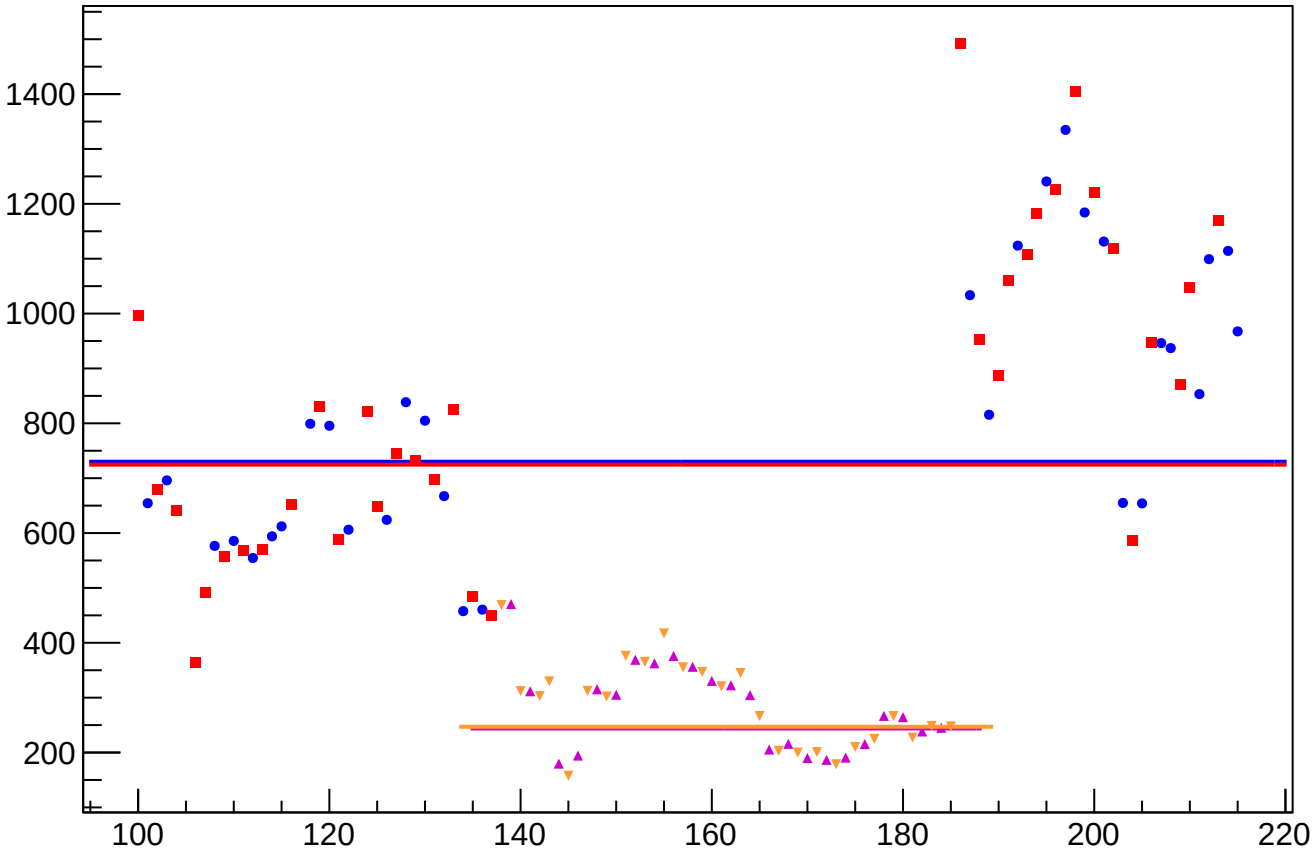
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 2.746+/-124.400 χ^2/NDF: 101.1/64

In: -39.649+/-56.248 χ^2/NDF:78.3/53

Out: -176.942+/-55.539 χ^2/NDF:128.8/58

All: -109.167+/-39.520 χ^2/NDF: 210.2/112



Right In: 729.957+/-0.124 χ^2/NDF: 3357225.6/30

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 724.641+/-0.125 χ^2/NDF: 4163728.4/33

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

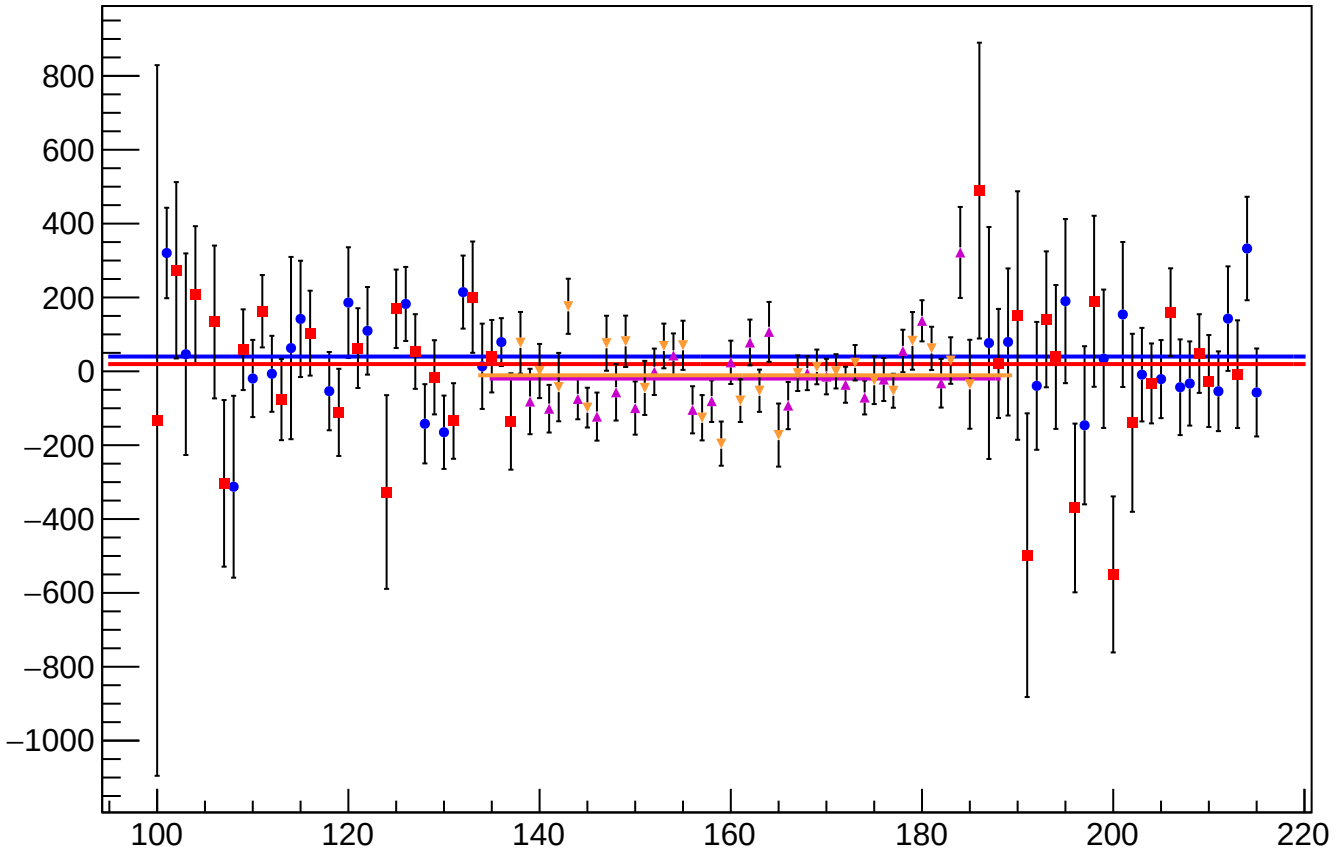
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 727.324+/-0.088 χ^2/NDF: 7521866.8/64

In: 293.996+/-0.040 χ^2/NDF:19674305.3/53

Out: 294.141+/-0.039 χ^2/NDF:20249230.1/58

All: 294.069+/-0.028 χ^2/NDF: 39923542.0/11



Right In: 40.023+/-22.600 χ^2/NDF: 32.4/30

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 19.606+/-23.882 χ^2/NDF: 35.4/33

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

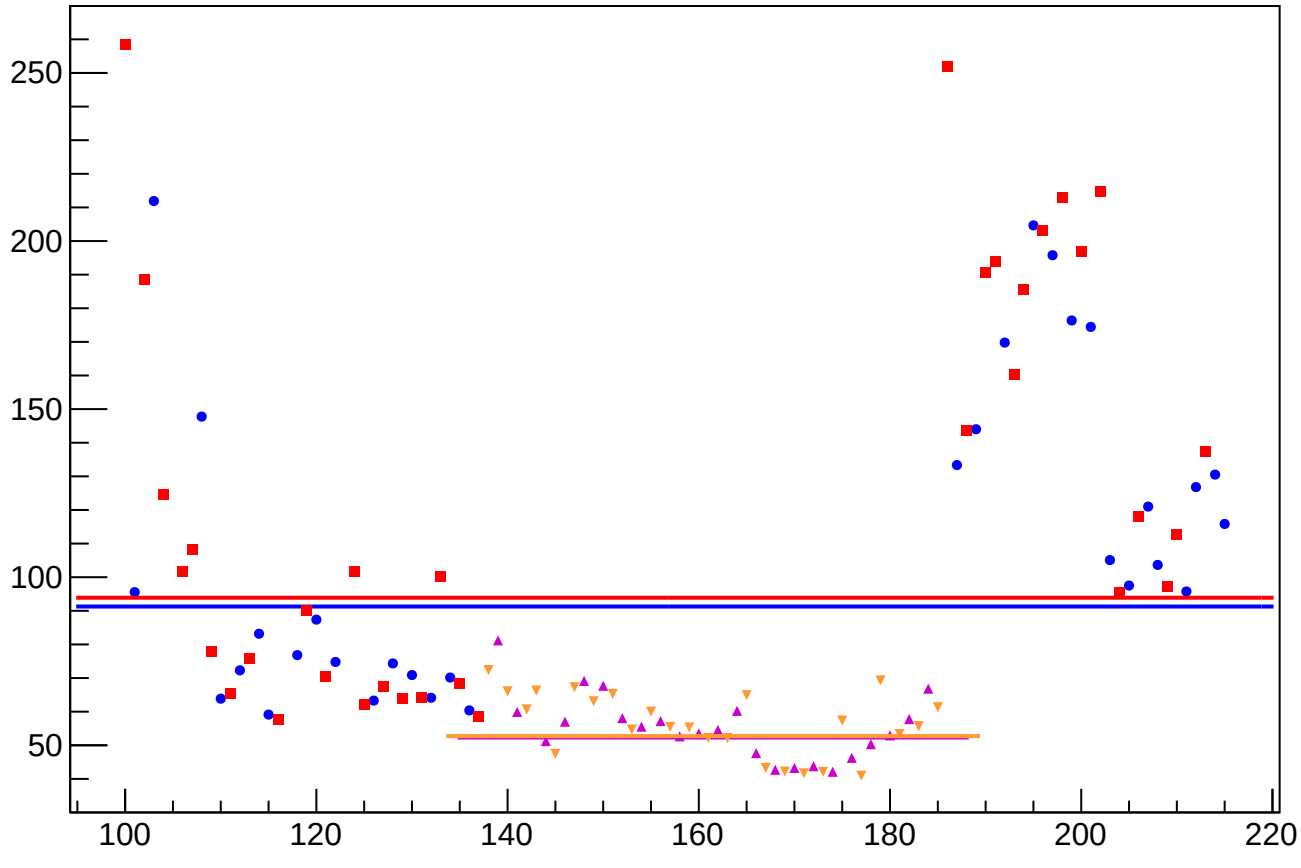
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 30.377+/-16.415 χ^2/NDF: 68.2/64

In: -5.553+/-10.969 χ^2/NDF:74.5/53

Out: -4.438+/-10.939 χ^2/NDF:77.1/58

All: -4.994+/-7.746 χ^2/NDF: 151.6/112



Right In: 91.274+/-0.016 χ^2/NDF: 4716448.4/30

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 93.893+/-0.017 χ^2/NDF: 5769247.8/33

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

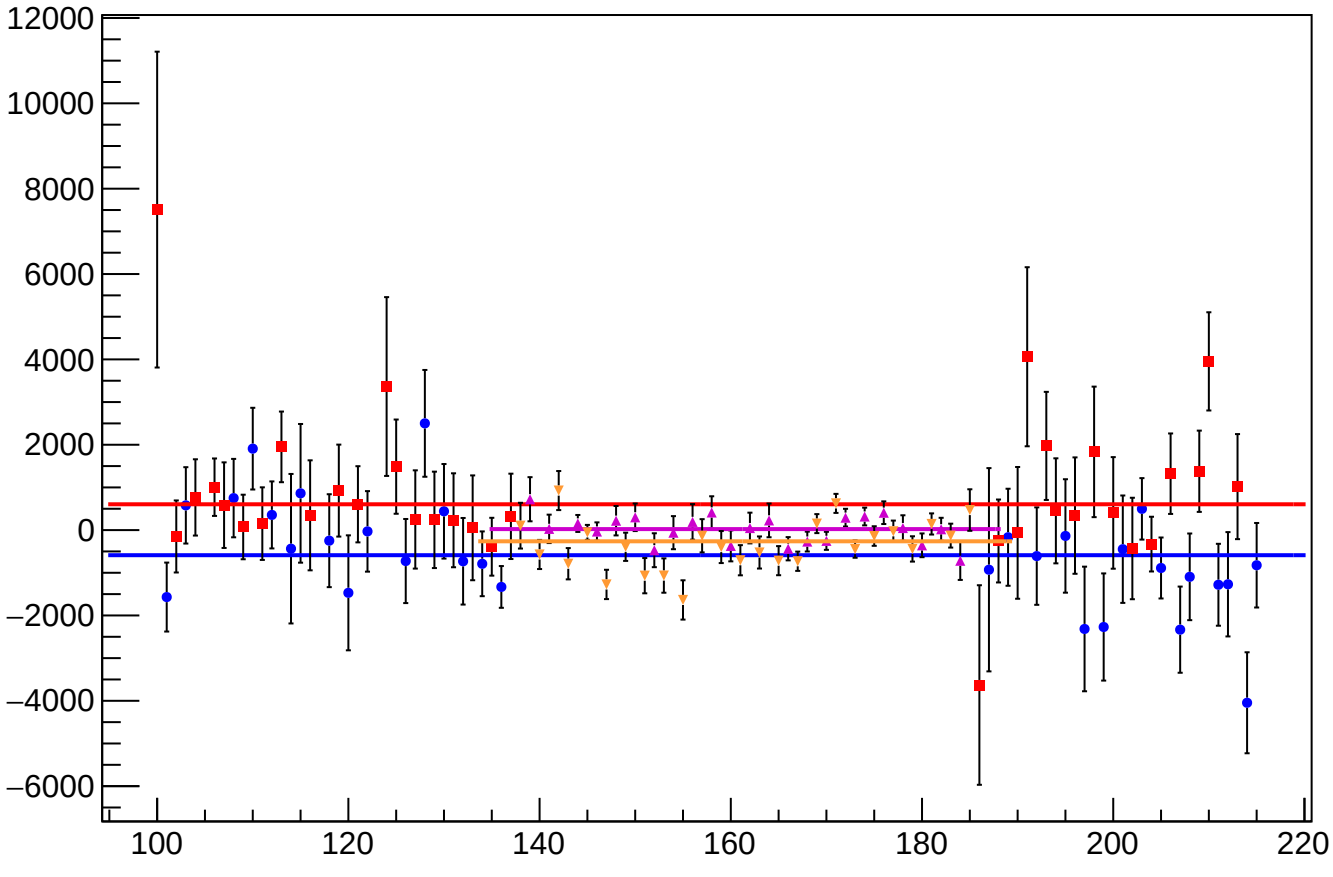
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 92.511+/-0.012 χ^2/NDF: 10498390.2/64

In: 61.491+/-0.008 χ^2/NDF:10151680.0/53

Out: 61.367+/-0.008 χ^2/NDF:11631228.4/58

All: 61.429+/-0.005 χ^2/NDF: 21783036.9/112



Right In: -588.112+/-175.089 χ^2/NDF: 43.2/30

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 605.064+/-176.779 χ^2/NDF: 34.9/33

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

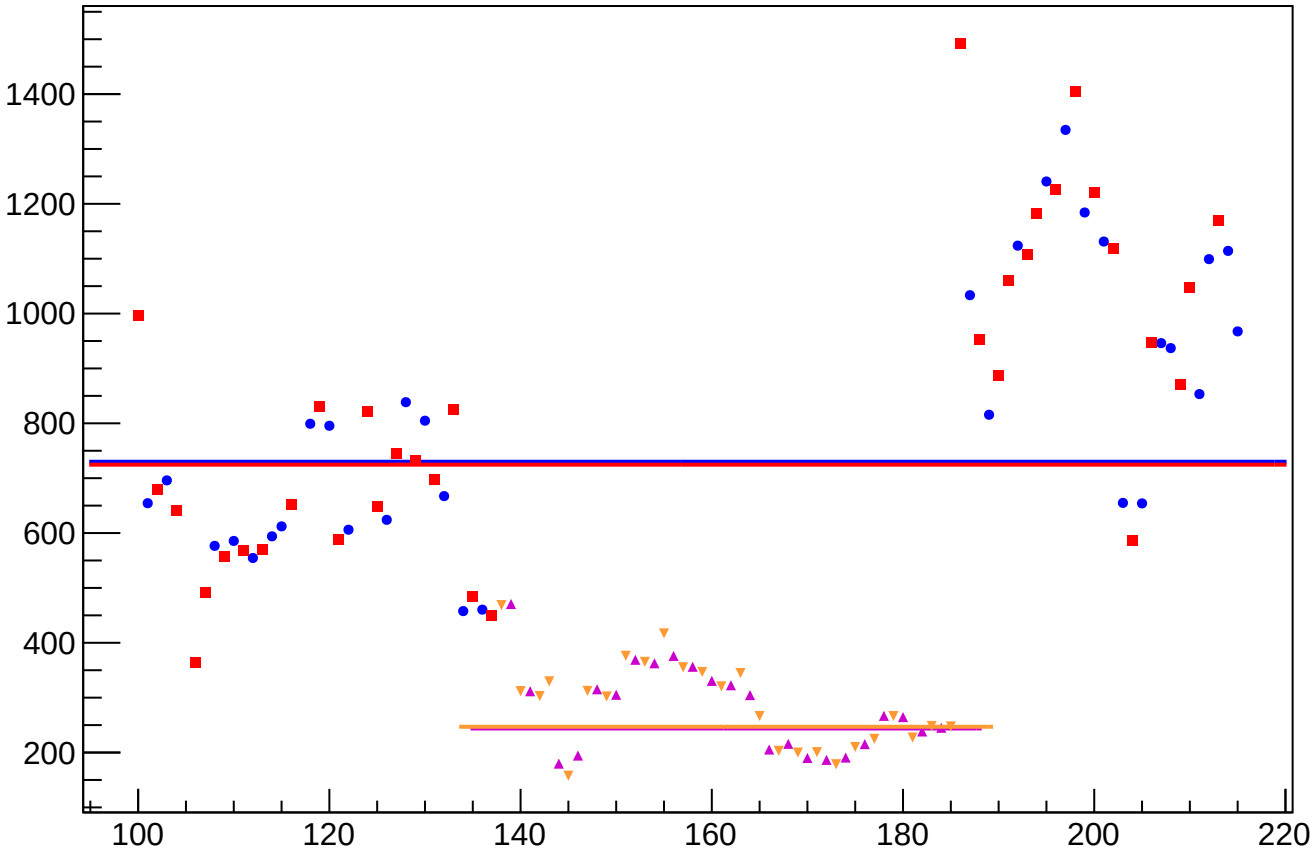
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 2.746+/-124.400 χ^2/NDF: 101.1/64

In: -39.649+/-56.248 χ^2/NDF:78.3/53

Out: -176.942+/-55.539 χ^2/NDF:128.8/58

All: -109.167+/-39.520 χ^2/NDF: 210.2/112



Right In: 729.957+/-0.124 χ^2/NDF: 3357204.6/30

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 724.641+/-0.125 χ^2/NDF: 4163719.5/33

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

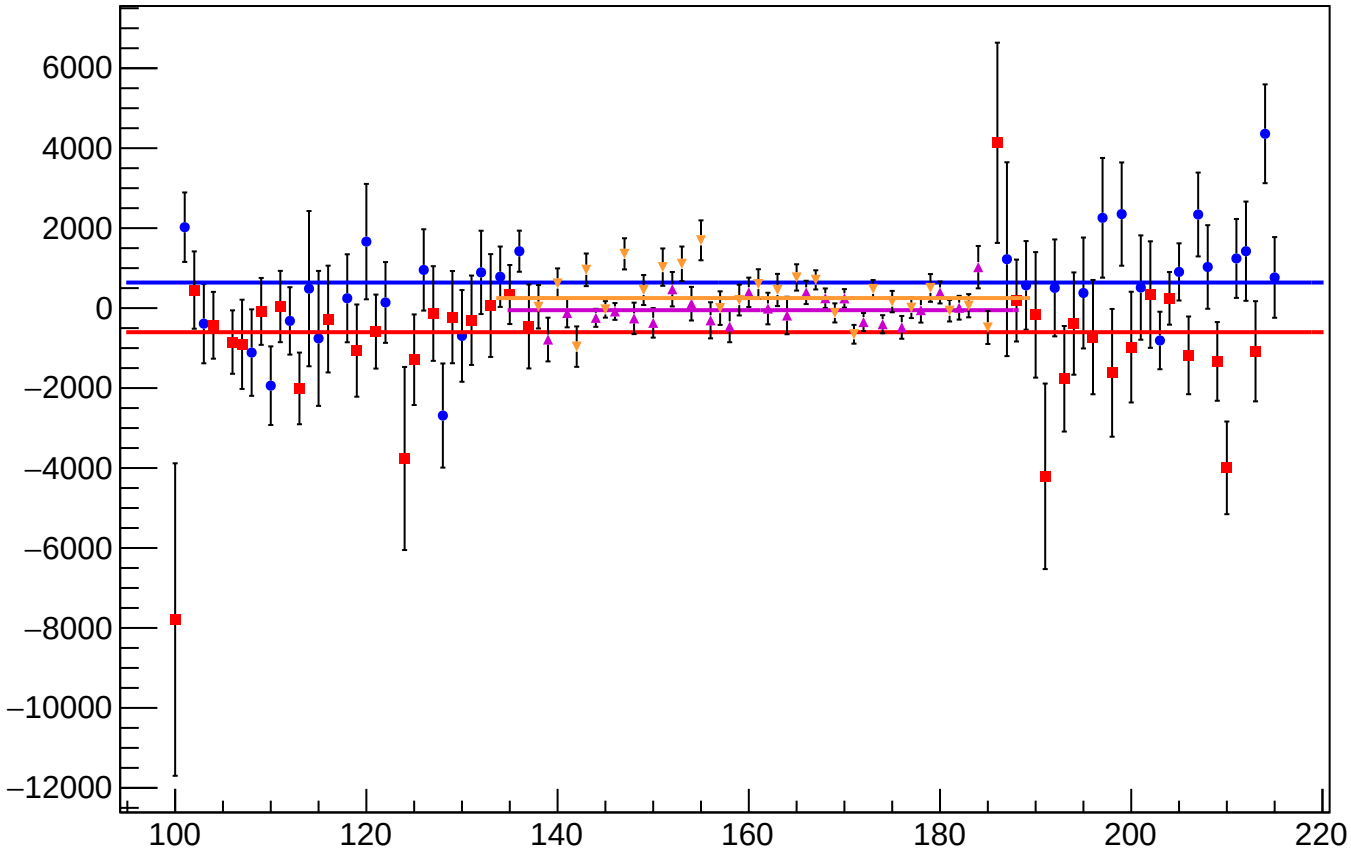
Right: 727.324+/-0.088 χ^2/NDF: 7521837.0/64

In: 293.996+/-0.040 χ^2/NDF:19674302.1/53

Out: 294.141+/-0.039 χ^2/NDF:20249210.7/58

All: 294.069+/-0.028 χ^2/NDF: 39923519.4/11

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 639.635+/-182.092 χ^2/NDF: 46.3/30

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -602.028+/-187.029 χ^2/NDF: 32.6/33

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

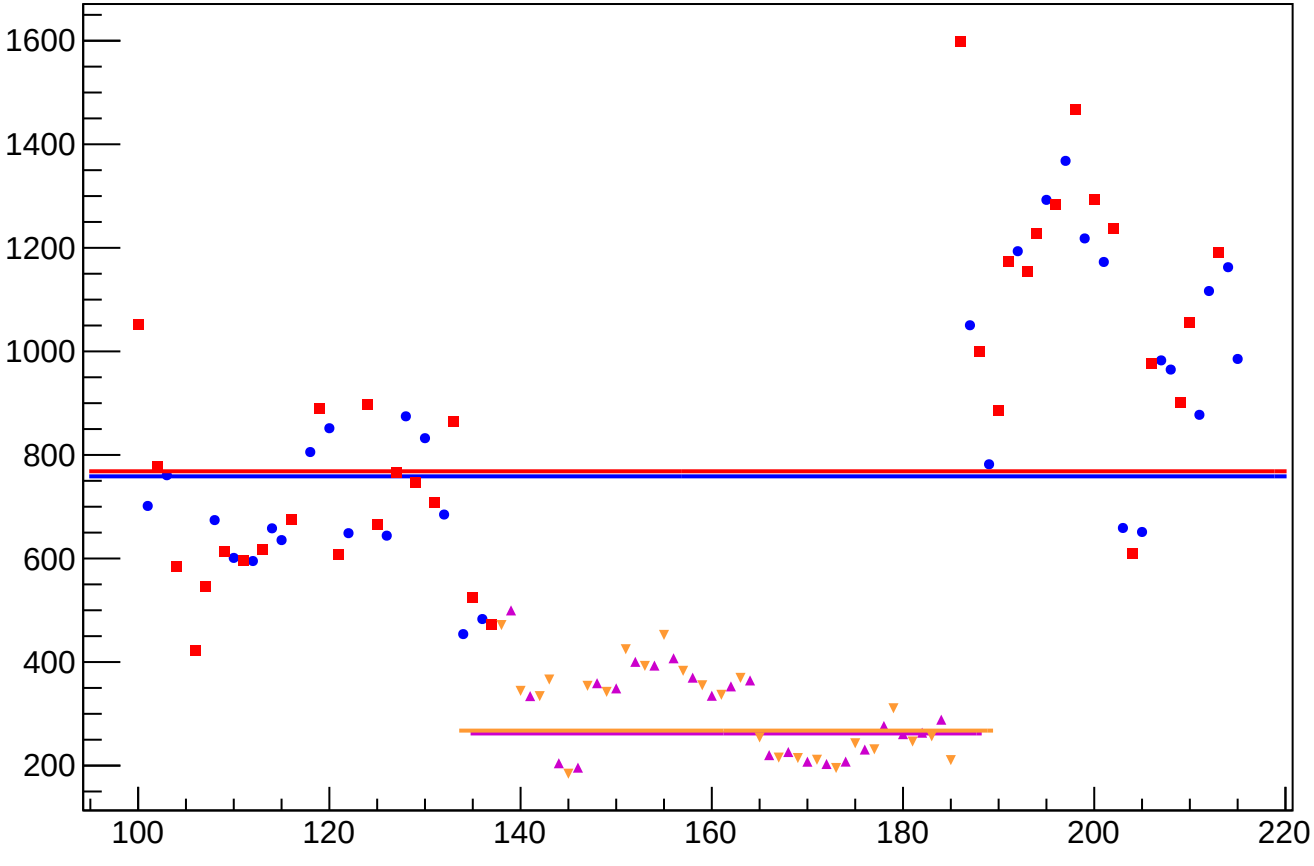
Right: 35.407+/-130.469 χ^2/NDF: 101.5/64

In: 23.974+/-60.247 χ^2/NDF:85.9/53

Out: 163.120+/-60.064 χ^2/NDF:118.8/58

All: 93.759+/-42.536 χ^2/NDF: 207.4/112

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 758.652+/-0.129 χ^2/NDF: 3291457.7/30

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 768.448+/-0.132 χ^2/NDF: 3869841.3/33

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

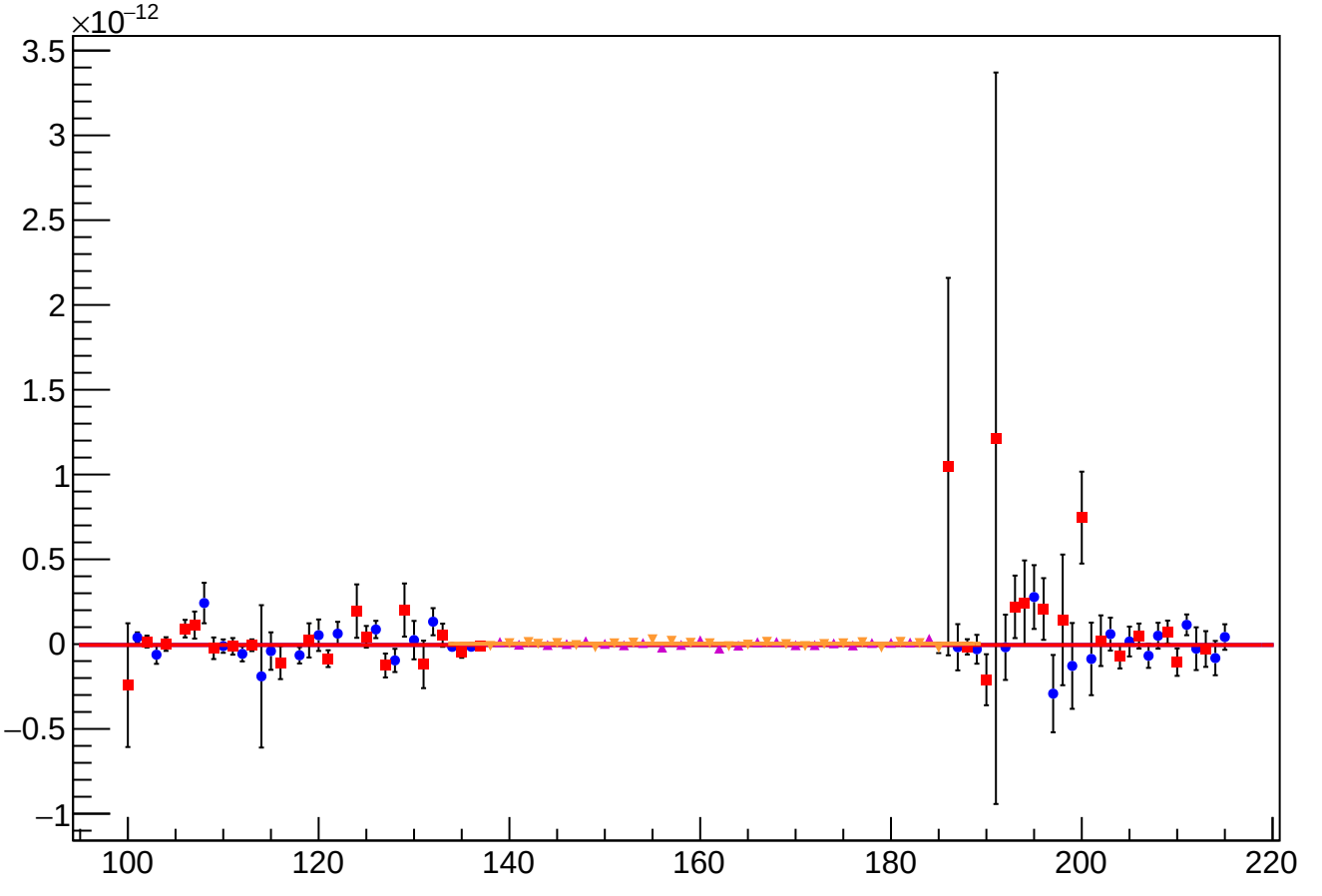
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 763.419+/-0.092 χ^2/NDF: 7164115.8/64

In: 316.451+/-0.043 χ^2/NDF:19073585.7/53

Out: 319.246+/-0.042 χ^2/NDF:19535168.5/58

All: 317.853+/-0.030 χ^2/NDF: 38610913.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.2/33

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

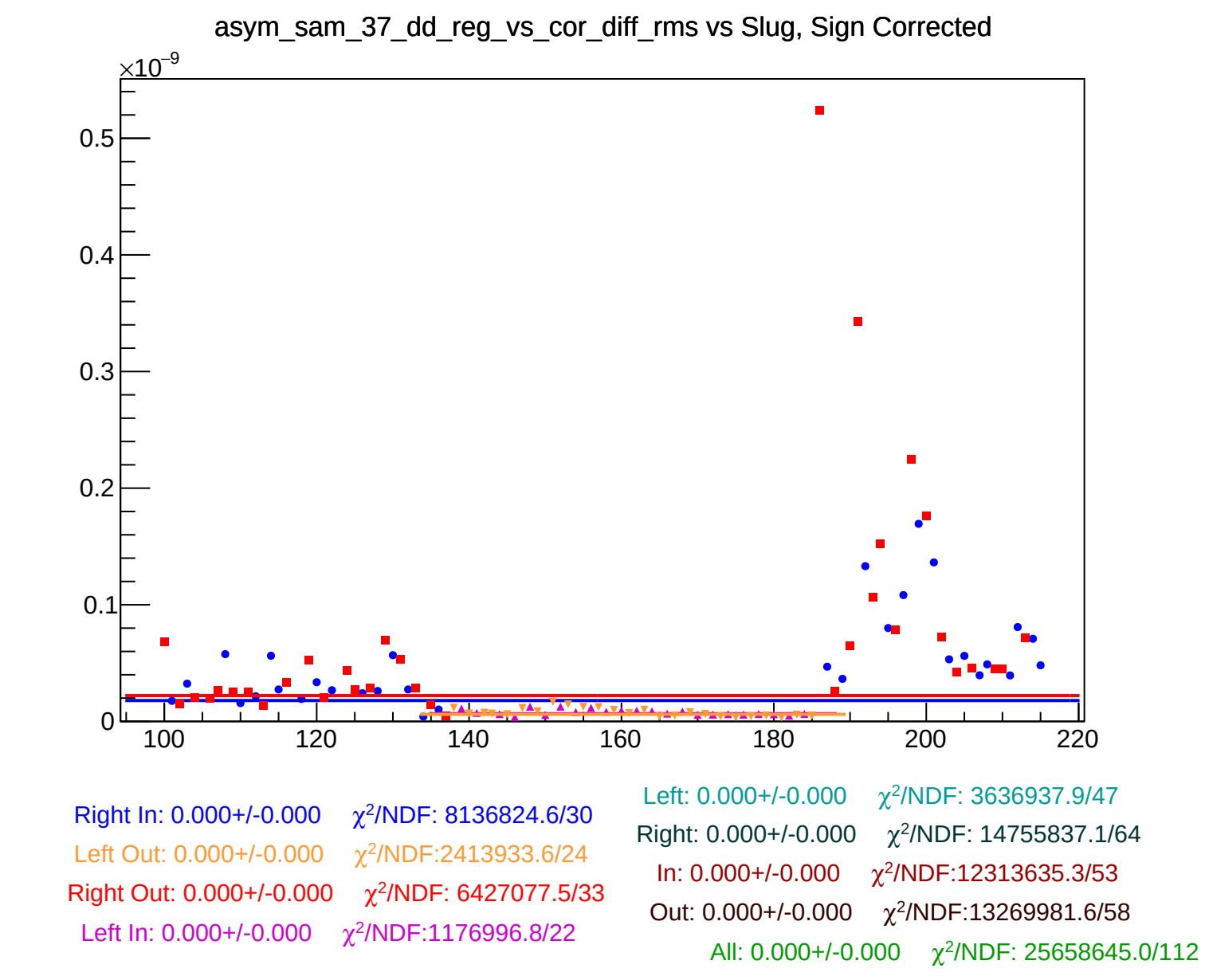
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

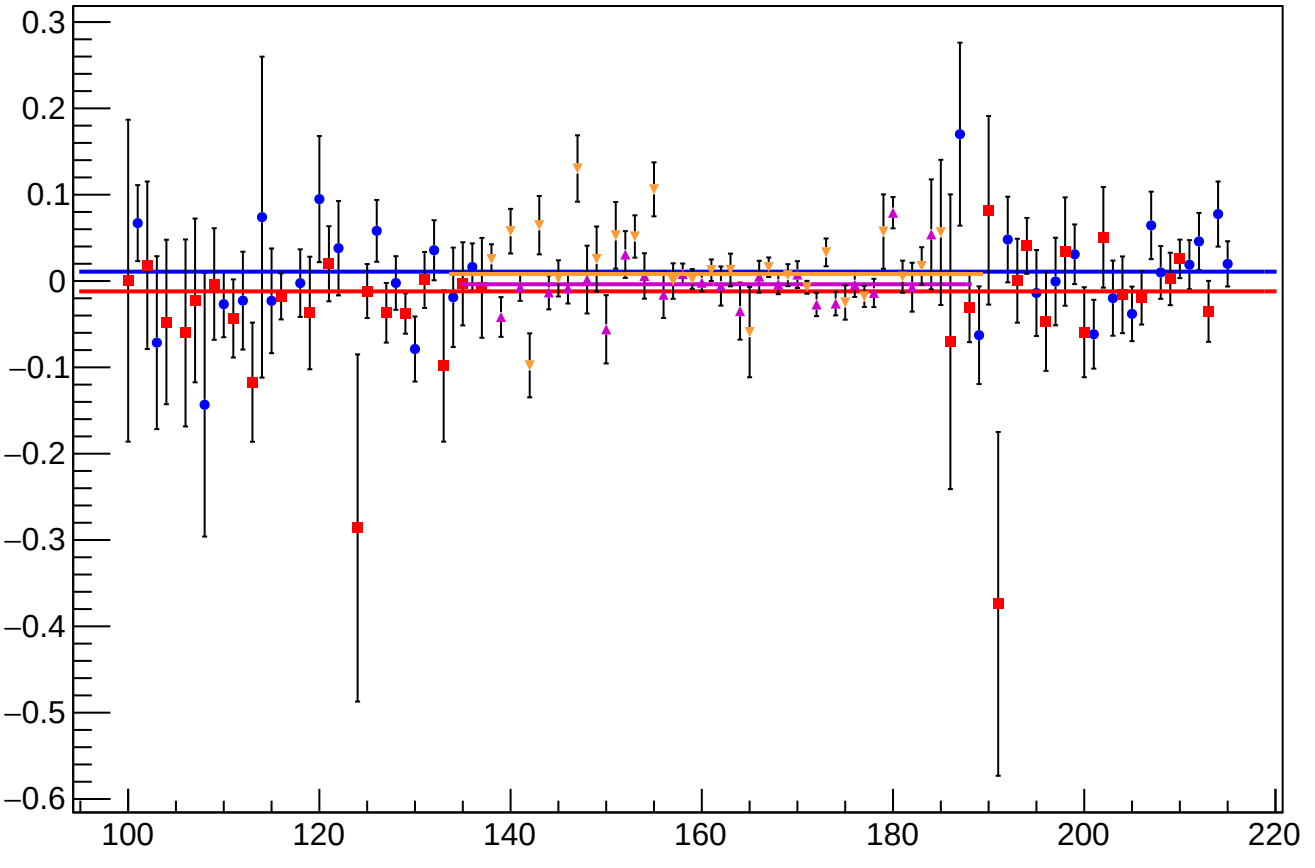
Right: -0.000+/-0.000 χ^2/NDF: 71.1/64

In: 0.000+/-0.000 χ^2/NDF:44.6/53

Out: 0.000+/-0.000 χ^2/NDF:54.9/58

All: 0.000+/-0.000 χ^2/NDF: 99.7/112


asym_sam_37_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: 8136824.6/30
Left Out: 0.000+/-0.000 χ²/NDF:2413933.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6427077.5/33
Left In: 0.000+/-0.000 χ²/NDF:1176996.8/22
Left: 0.000+/-0.000 χ²/NDF: 3636937.9/47
Right: 0.000+/-0.000 χ²/NDF: 14755837.1/64
In: 0.000+/-0.000 χ²/NDF:12313635.3/53
Out: 0.000+/-0.000 χ²/NDF:13269981.6/58
All: 0.000+/-0.000 χ²/NDF: 25658645.0/112



Right In: 0.011+/-0.007 χ^2/NDF: 32.8/30

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.012+/-0.007 χ^2/NDF: 22.3/33

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

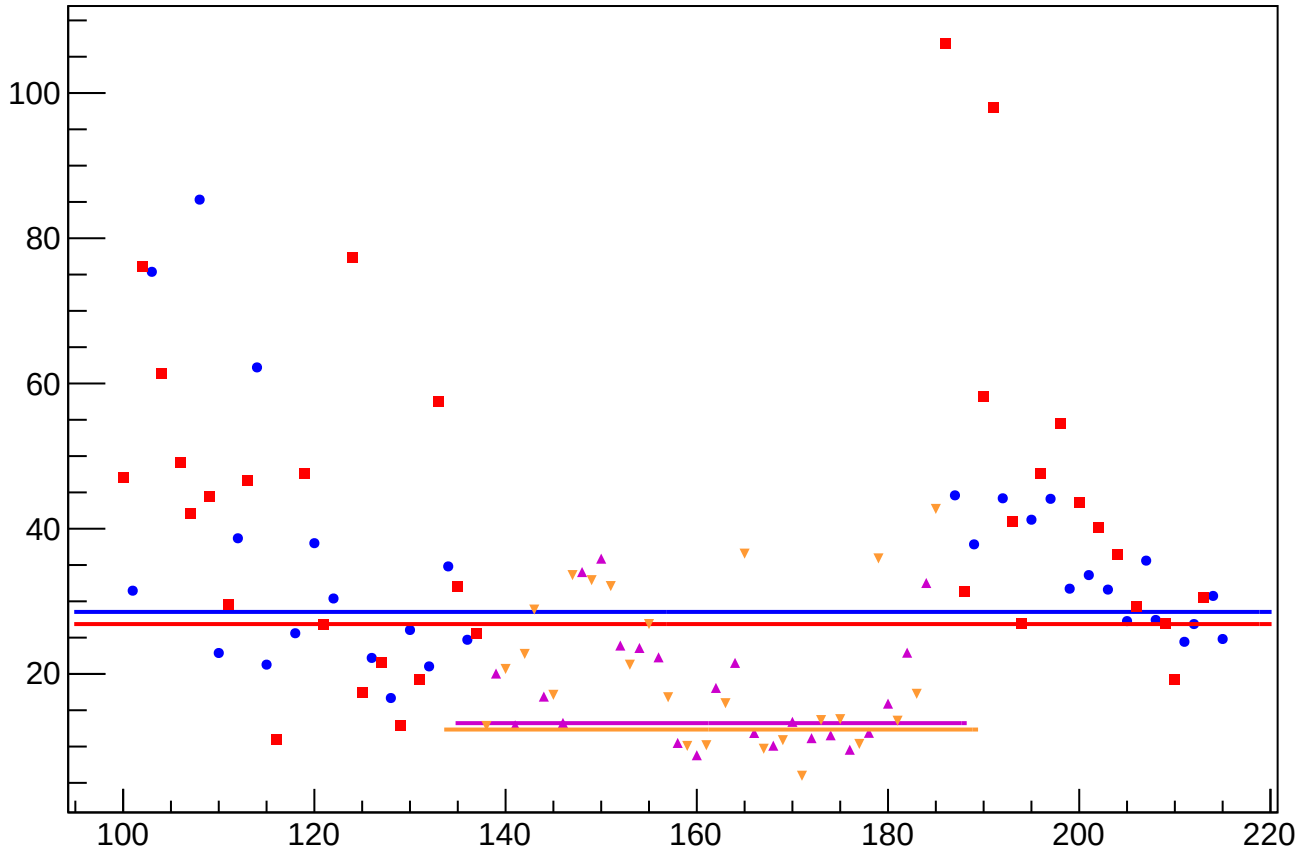
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.000+/-0.005 χ^2/NDF: 59.9/64

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 161.8/112



Right In: 28.542+/-0.005 χ^2/NDF: 2333384.0/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.868+/-0.005 χ^2/NDF: 5987419.4/33

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

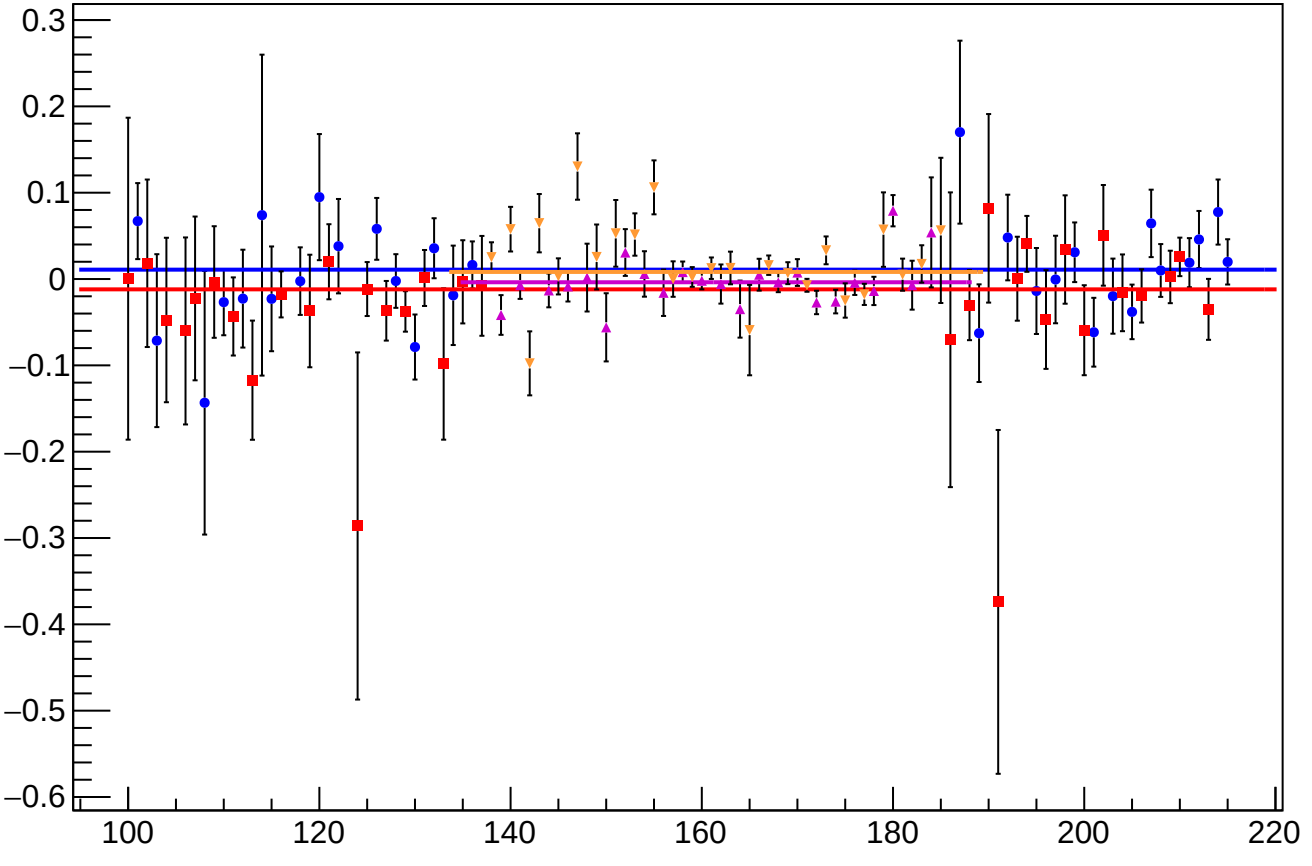
Right: 27.725+/-0.004 χ^2/NDF: 8372100.8/64

In: 16.264+/-0.002 χ^2/NDF:13255353.0/53

Out: 14.895+/-0.002 χ^2/NDF:18945643.8/58

All: 15.554+/-0.002 χ^2/NDF: 32384577.2/112

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.007 χ^2/NDF: 32.8/30

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.012+/-0.007 χ^2/NDF: 22.3/33

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

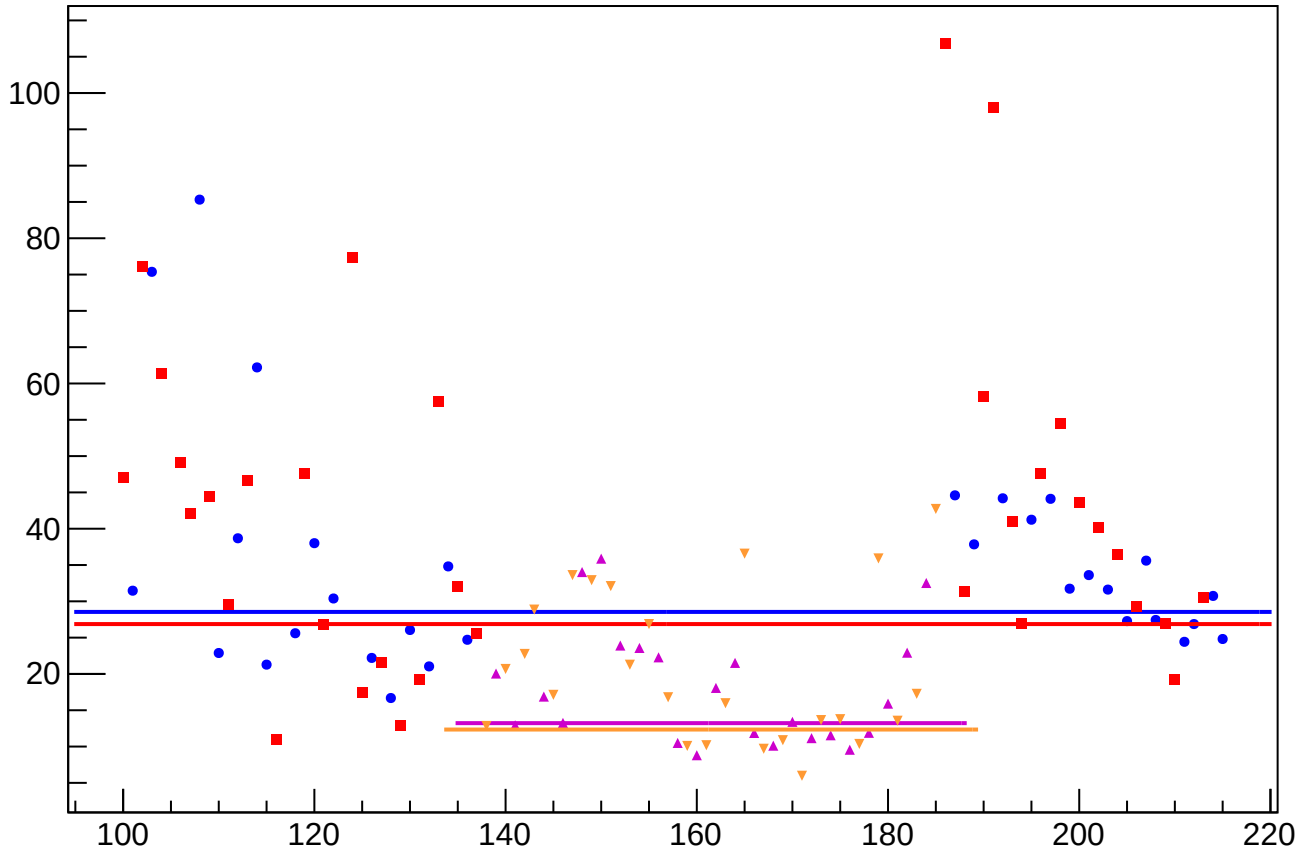
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.000+/-0.005 χ^2/NDF: 59.9/64

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 161.8/112



Right In: 28.542+/-0.005 χ^2/NDF: 2333384.0/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.868+/-0.005 χ^2/NDF: 5987419.4/33

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

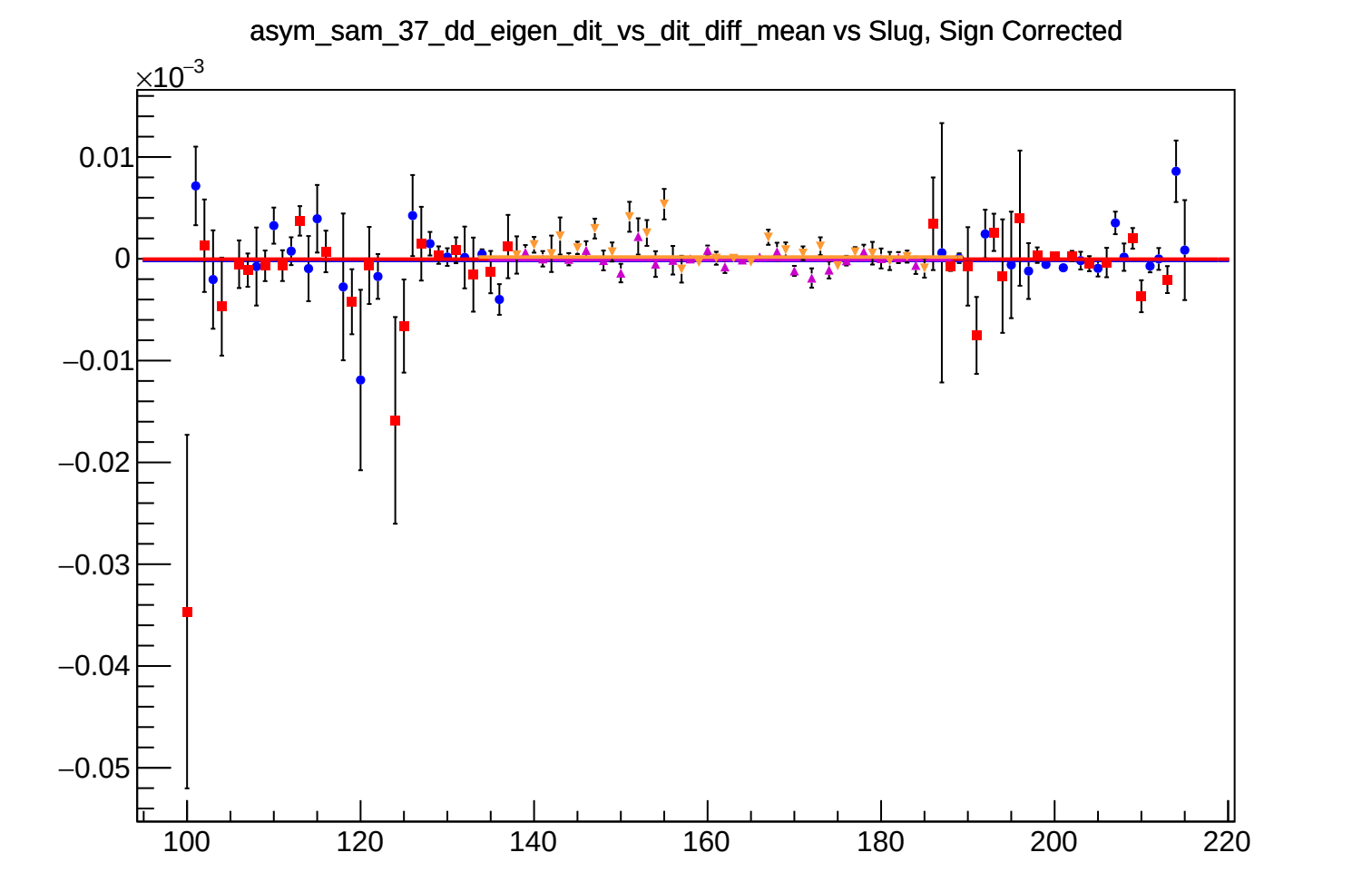
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.725+/-0.004 χ^2/NDF: 8372100.8/64

In: 16.264+/-0.002 χ^2/NDF:13255353.0/53

Out: 14.895+/-0.002 χ^2/NDF:18945643.8/58

All: 15.554+/-0.002 χ^2/NDF: 32384577.2/112



Right In: -0.000+/-0.000 χ^2/NDF: 51.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.0/33

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

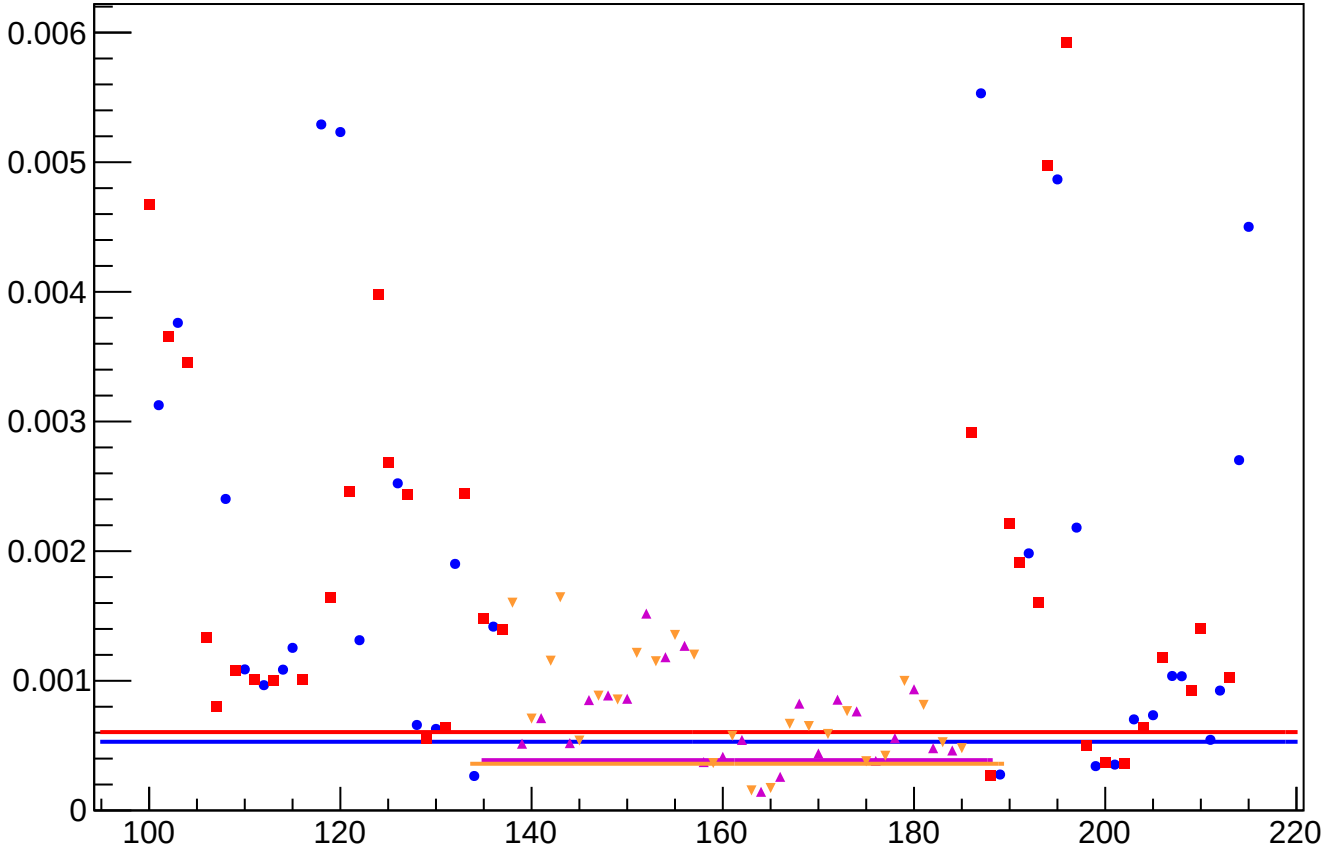
Right: -0.000+/-0.000 χ^2/NDF: 94.2/64

In: -0.000+/-0.000 χ^2/NDF:75.5/53

Out: 0.000+/-0.000 χ^2/NDF:105.4/58

All: 0.000+/-0.000 χ^2/NDF: 184.1/112

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 14987583.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13031464.8/33

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

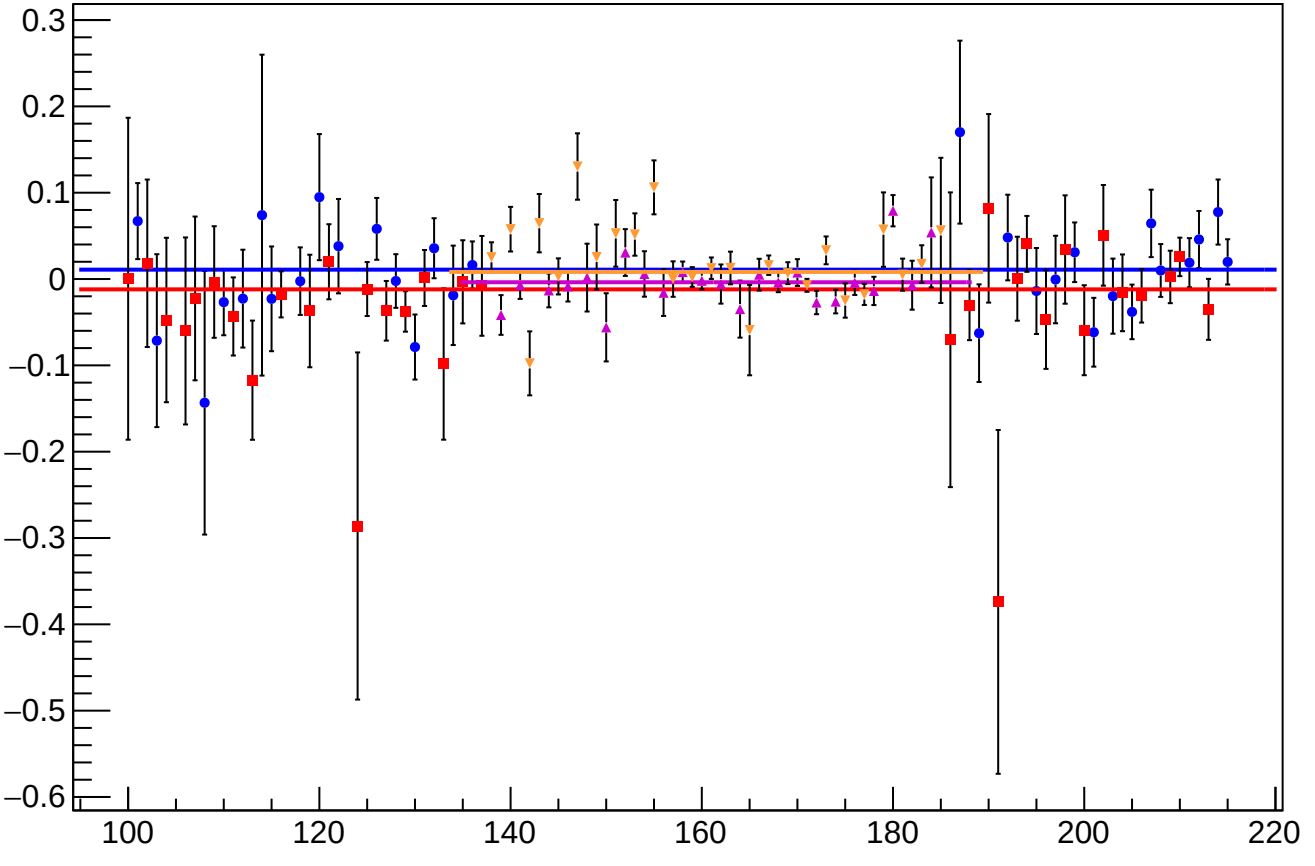
Right: 0.001+/-0.000 χ^2/NDF: 28187927.0/64

In: 0.000+/-0.000 χ^2/NDF:26430301.9/53

Out: 0.000+/-0.000 χ^2/NDF:29491956.3/58

All: 0.000+/-0.000 χ^2/NDF: 55954893.6/112

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.007 χ^2/NDF: 32.8/30

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.012+/-0.007 χ^2/NDF: 22.3/33

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

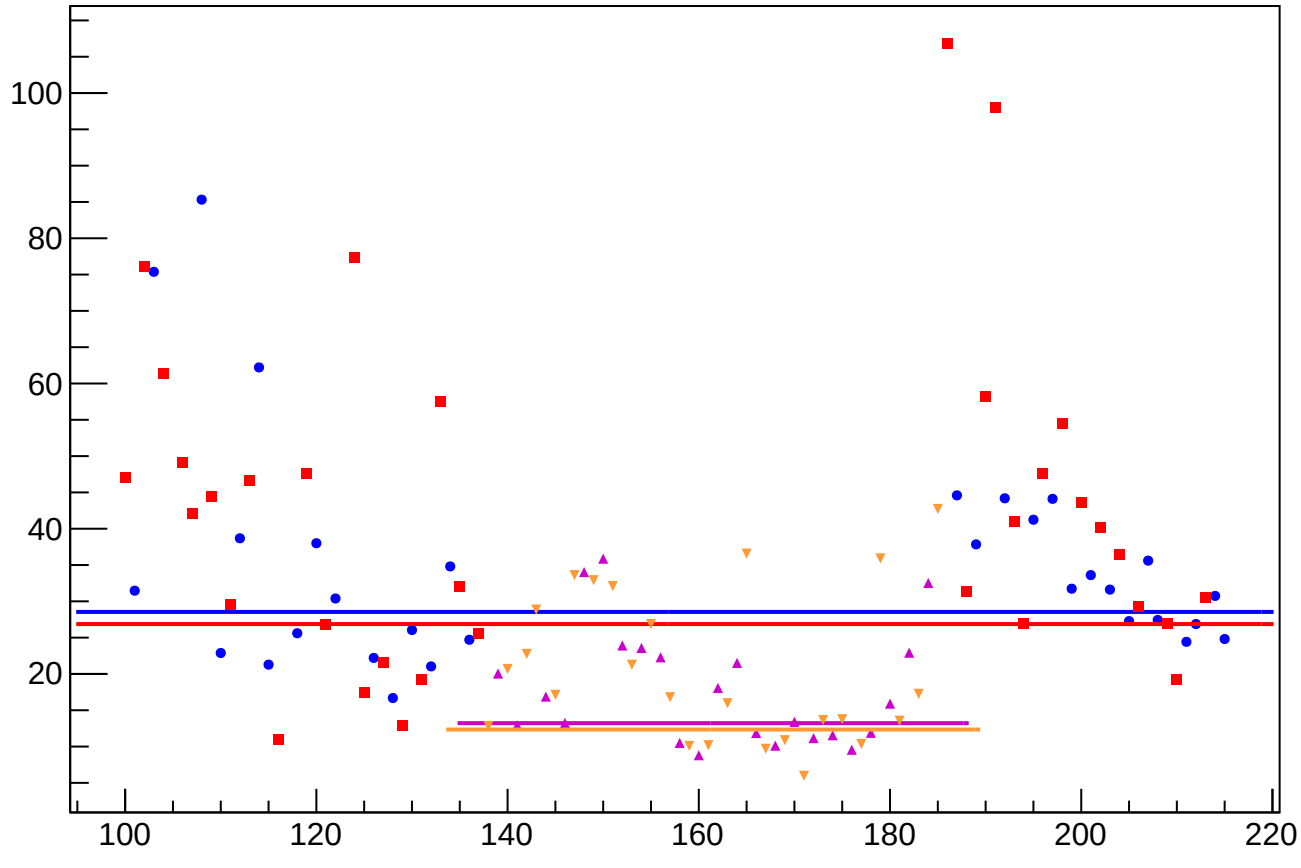
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.000+/-0.005 χ^2/NDF: 59.9/64

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 161.8/112



Right In: 28.543+/-0.005 χ^2/NDF: 2333284.3/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.868+/-0.005 χ^2/NDF: 5987127.3/33

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

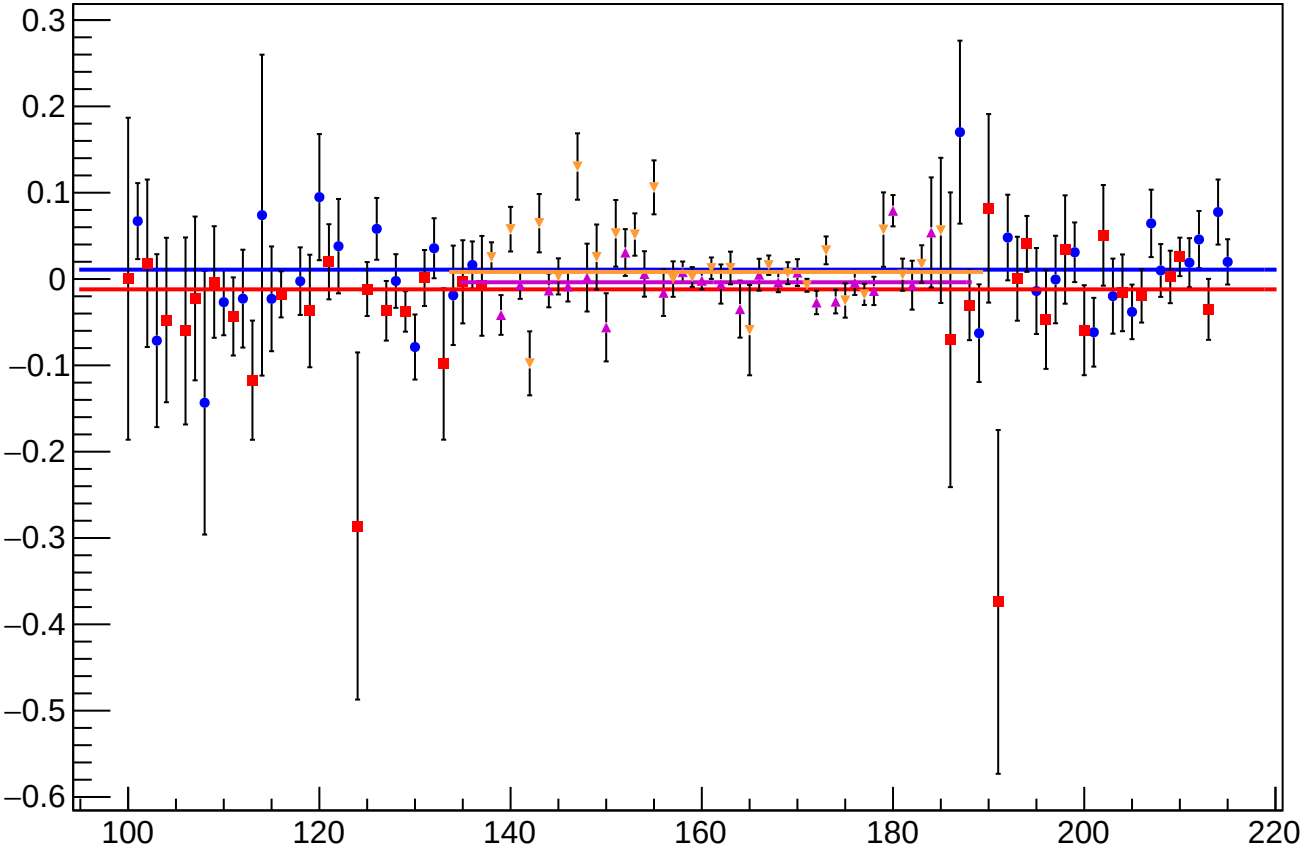
Right: 27.726+/-0.004 χ^2/NDF: 8371708.4/64

In: 16.264+/-0.002 χ^2/NDF:13255646.6/53

Out: 14.895+/-0.002 χ^2/NDF:18945783.6/58

All: 15.555+/-0.002 χ^2/NDF: 32384994.4/112

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.007 χ^2/NDF: 32.8/30

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.012+/-0.007 χ^2/NDF: 22.3/33

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

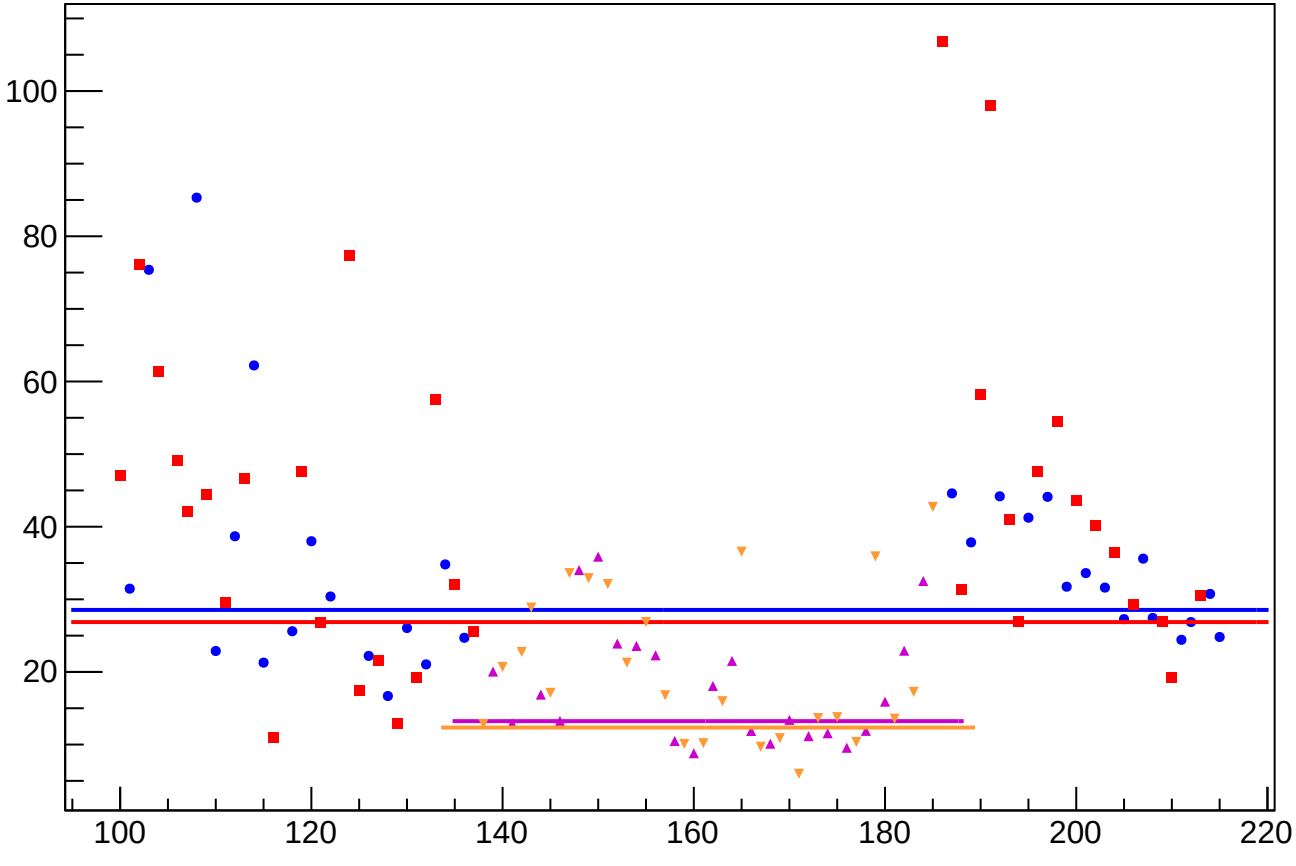
Right: -0.000+/-0.005 χ^2/NDF: 59.9/64

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.005+/-0.003 χ^2/NDF:87.1/58

All: 0.002+/-0.002 χ^2/NDF: 161.8/112

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.543+/-0.005 χ^2/NDF: 2333284.3/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.868+/-0.005 χ^2/NDF: 5987127.3/33

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

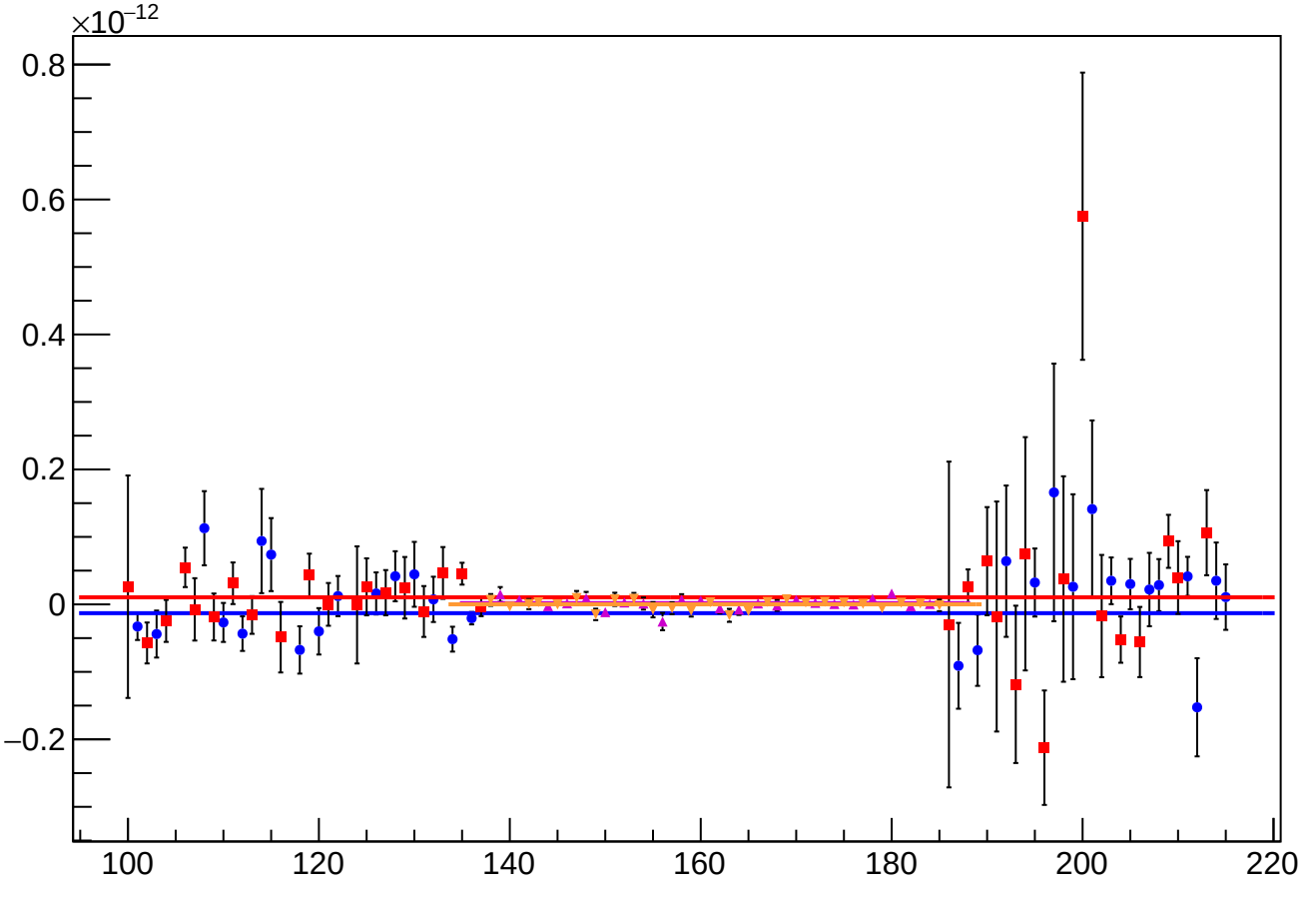
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.726+/-0.004 χ^2/NDF: 8371708.4/64

In: 16.264+/-0.002 χ^2/NDF:13255646.6/53

Out: 14.895+/-0.002 χ^2/NDF:18945783.6/58

All: 15.555+/-0.002 χ^2/NDF: 32384994.4/112



Right In: -0.000+/-0.000 χ^2/NDF: 46.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 48.7/33

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

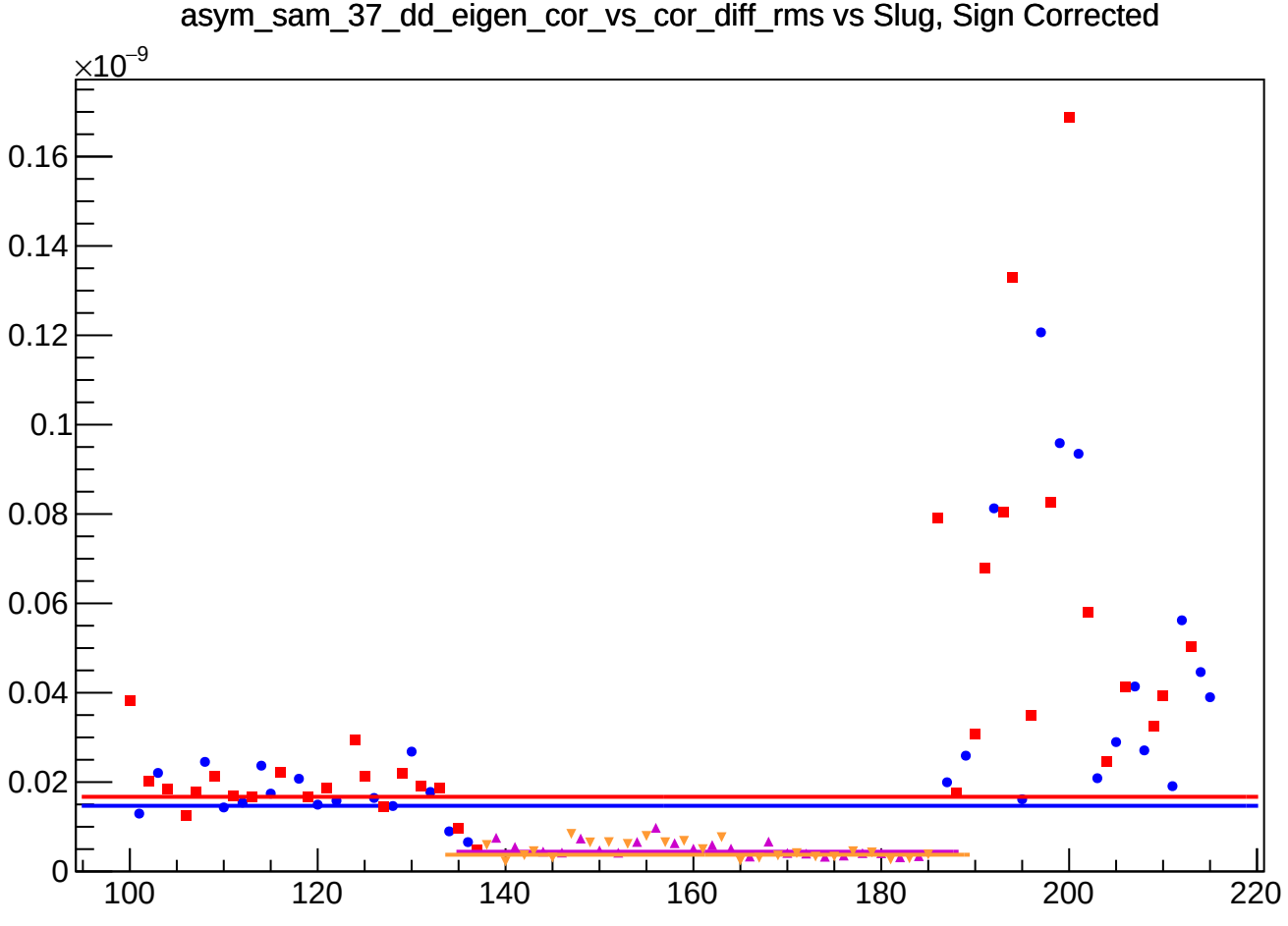
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 102.8/64

In: 0.000+/-0.000 χ^2/NDF:78.4/53

Out: 0.000+/-0.000 χ^2/NDF:72.9/58

All: 0.000+/-0.000 χ^2/NDF: 151.5/112



Right In: 0.000+/-0.000 χ^2/NDF: 7819394.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7714598.4/33

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

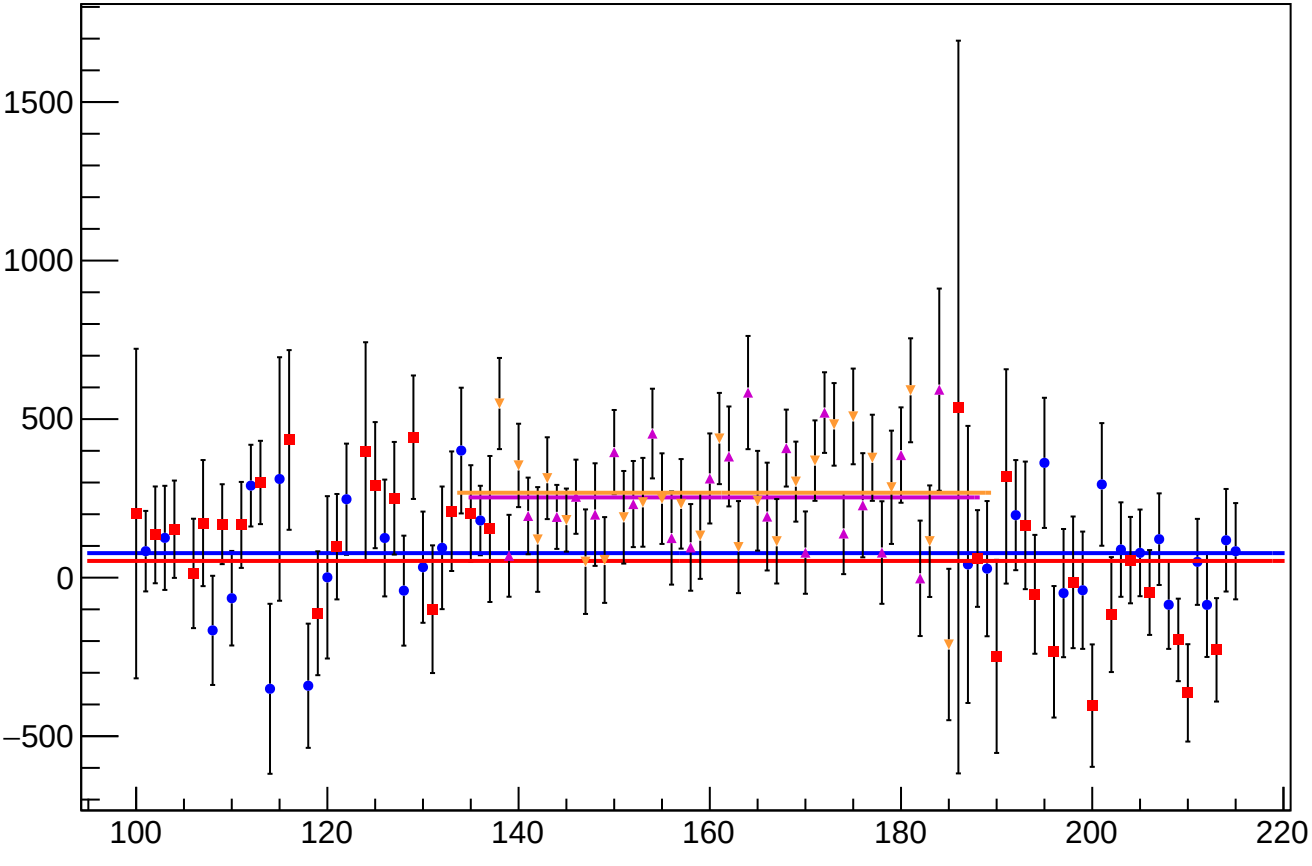
Right: 0.000+/-0.000 χ^2/NDF: 15653533.3/64

In: 0.000+/-0.000 χ^2/NDF:16221340.2/53

Out: 0.000+/-0.000 χ^2/NDF:19362990.0/58

All: 0.000+/-0.000 χ^2/NDF: 36007713.4/112

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 77.337+/-30.164 χ^2/NDF: 25.5/30

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 52.692+/-30.522 χ^2/NDF: 44.4/33

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

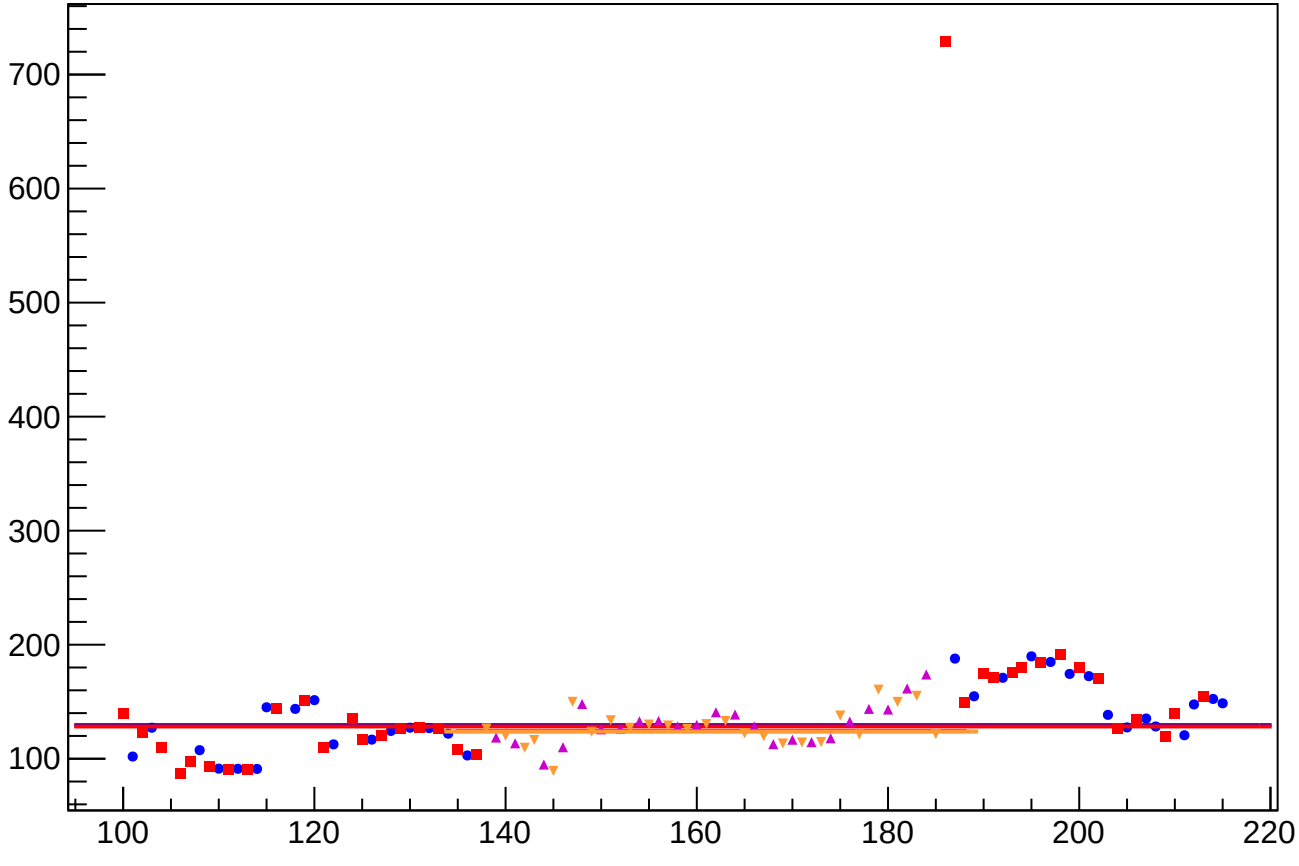
Right: 65.160+/-21.455 χ^2/NDF: 70.2/64

In: 167.705+/-21.022 χ^2/NDF:69.1/53

Out: 167.946+/-20.795 χ^2/NDF:102.0/58

All: 167.827+/-14.784 χ^2/NDF: 171.1/112

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 129.456+/-0.021 χ^2/NDF: 1489242.4/30

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 128.316+/-0.022 χ^2/NDF: 2385826.7/33

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

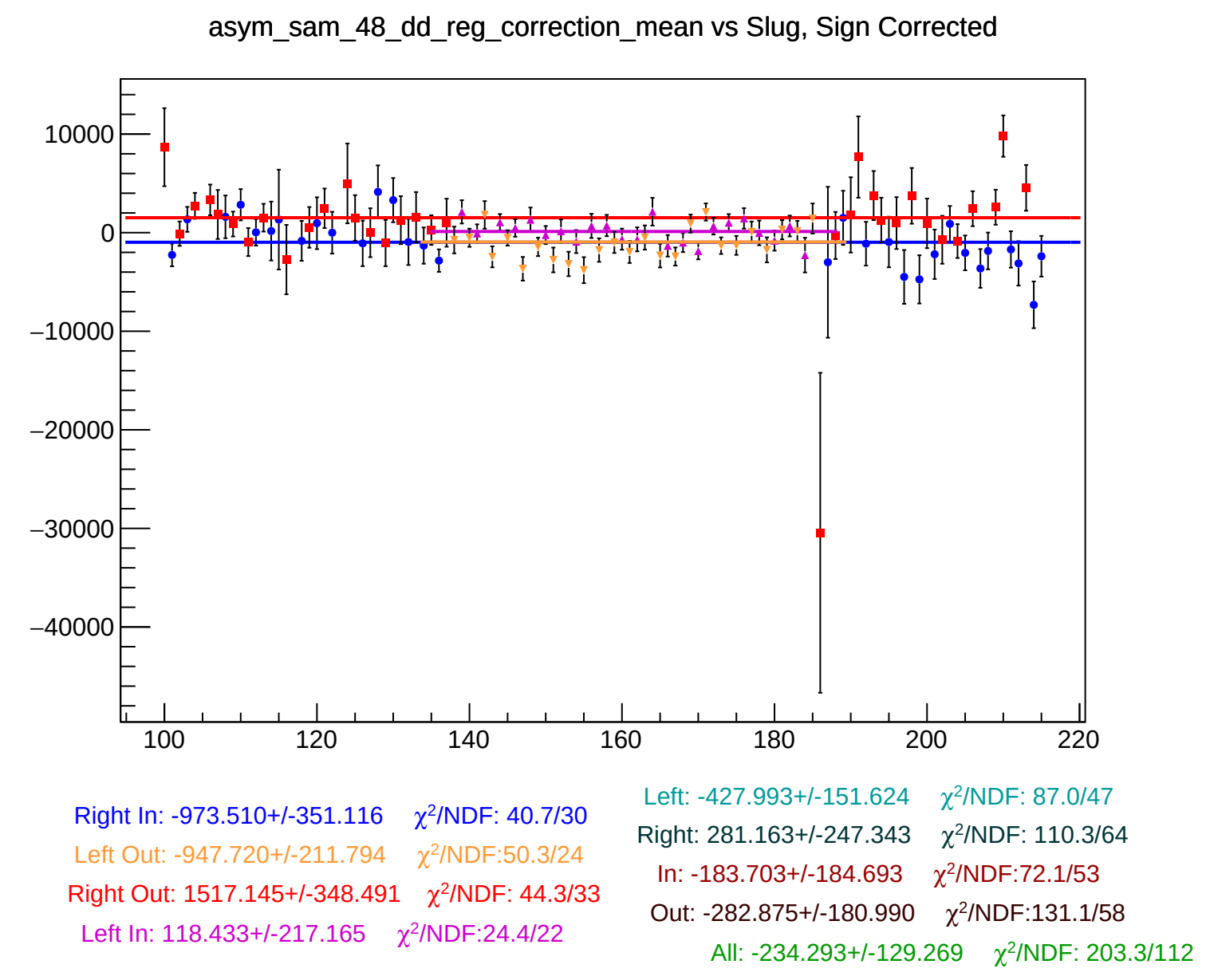
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

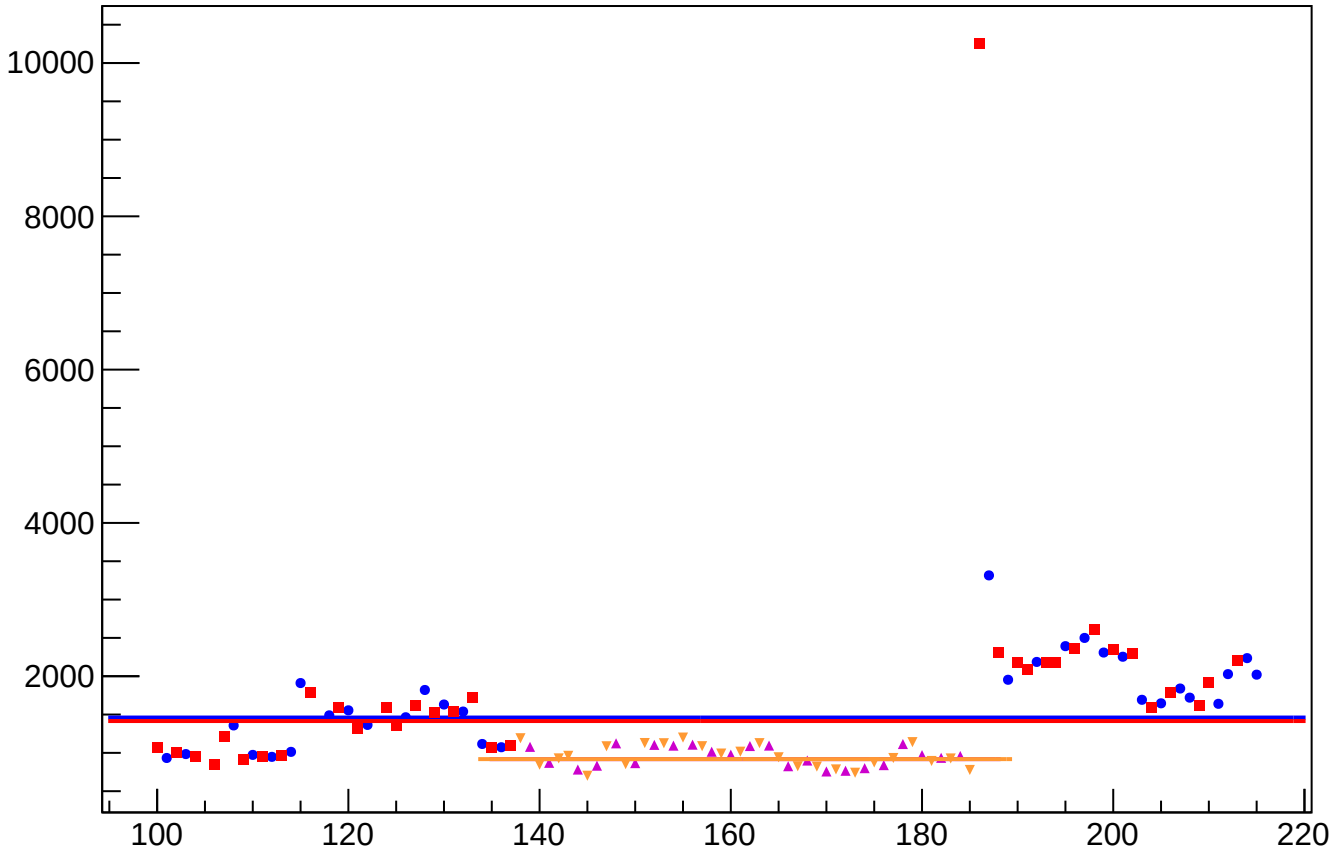
Right: 128.893+/-0.015 χ^2/NDF: 3876479.6/64

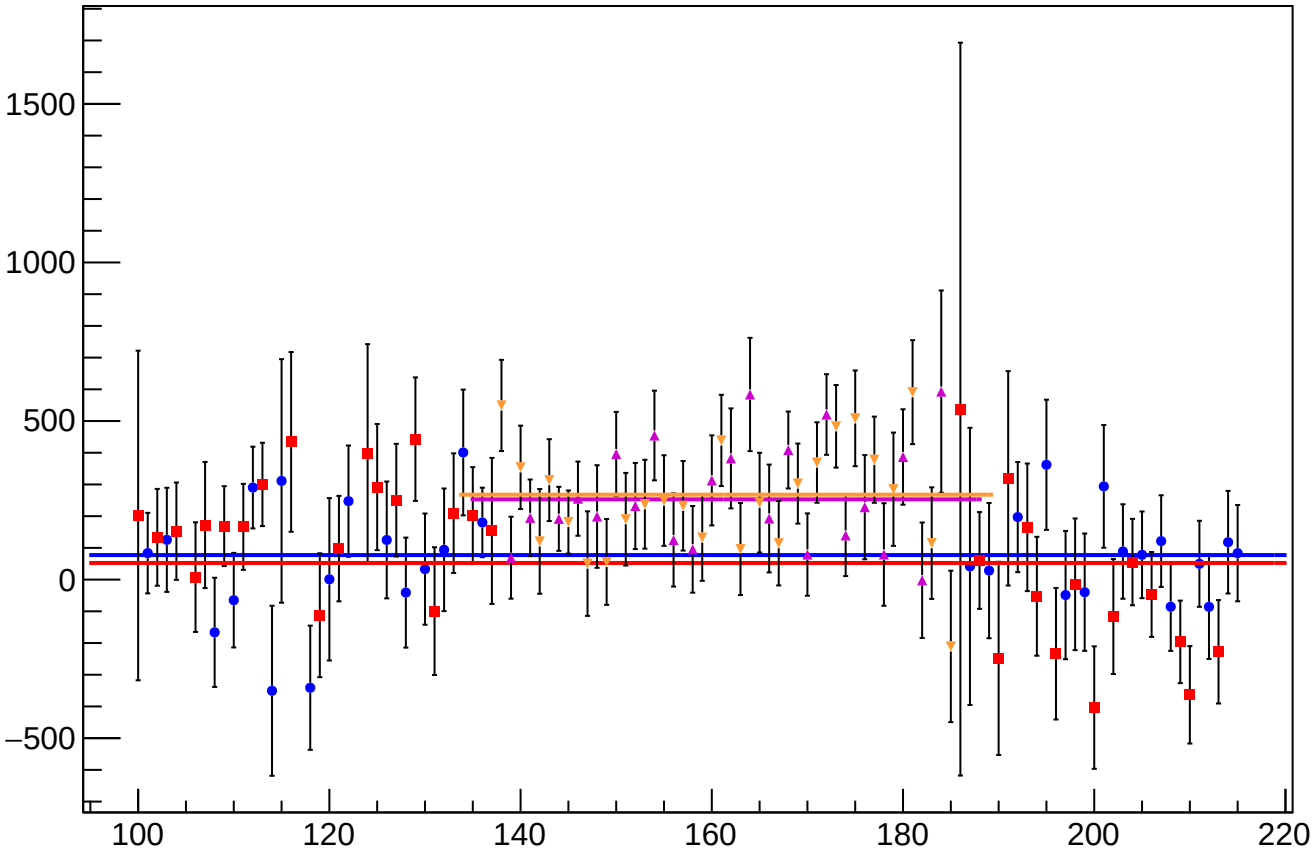
In: 126.783+/-0.015 χ^2/NDF:2076994.0/53

Out: 125.900+/-0.015 χ^2/NDF:3007660.1/58

All: 126.337+/-0.010 χ^2/NDF: 5086436.9/112


asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -973.510+/-351.116 χ²/NDF: 40.7/30
Left Out: -947.720+/-211.794 χ²/NDF:50.3/24
Right Out: 1517.145+/-348.491 χ²/NDF: 44.3/33
Left In: 118.433+/-217.165 χ²/NDF:24.4/22
Left: -427.993+/-151.624 χ²/NDF: 87.0/47
Right: 281.163+/-247.343 χ²/NDF: 110.3/64
In: -183.703+/-184.693 χ²/NDF:72.1/53
Out: -282.875+/-180.990 χ²/NDF:131.1/58
All: -234.293+/-129.269 χ²/NDF: 203.3/112


asym_sam_48_dd_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1460.894+/-0.248 χ²/NDF: 3667731.8/30
Left Out: 918.501+/-0.150 χ²/NDF:887820.0/24
Right Out: 1415.224+/-0.246 χ²/NDF: 4800949.8/33
Left In: 918.214+/-0.154 χ²/NDF:666262.3/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.1/47
Right: 1437.888+/-0.175 χ²/NDF: 8485727.1/64
In: 1068.371+/-0.131 χ²/NDF:7789717.4/53
Out: 1052.482+/-0.128 χ²/NDF:8656062.1/58
All: 1060.266+/-0.091 χ²/NDF: 16453330.7/1



Right In: 77.331+/-30.164 χ^2/NDF: 25.5/30

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 52.460+/-30.525 χ^2/NDF: 44.4/33

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

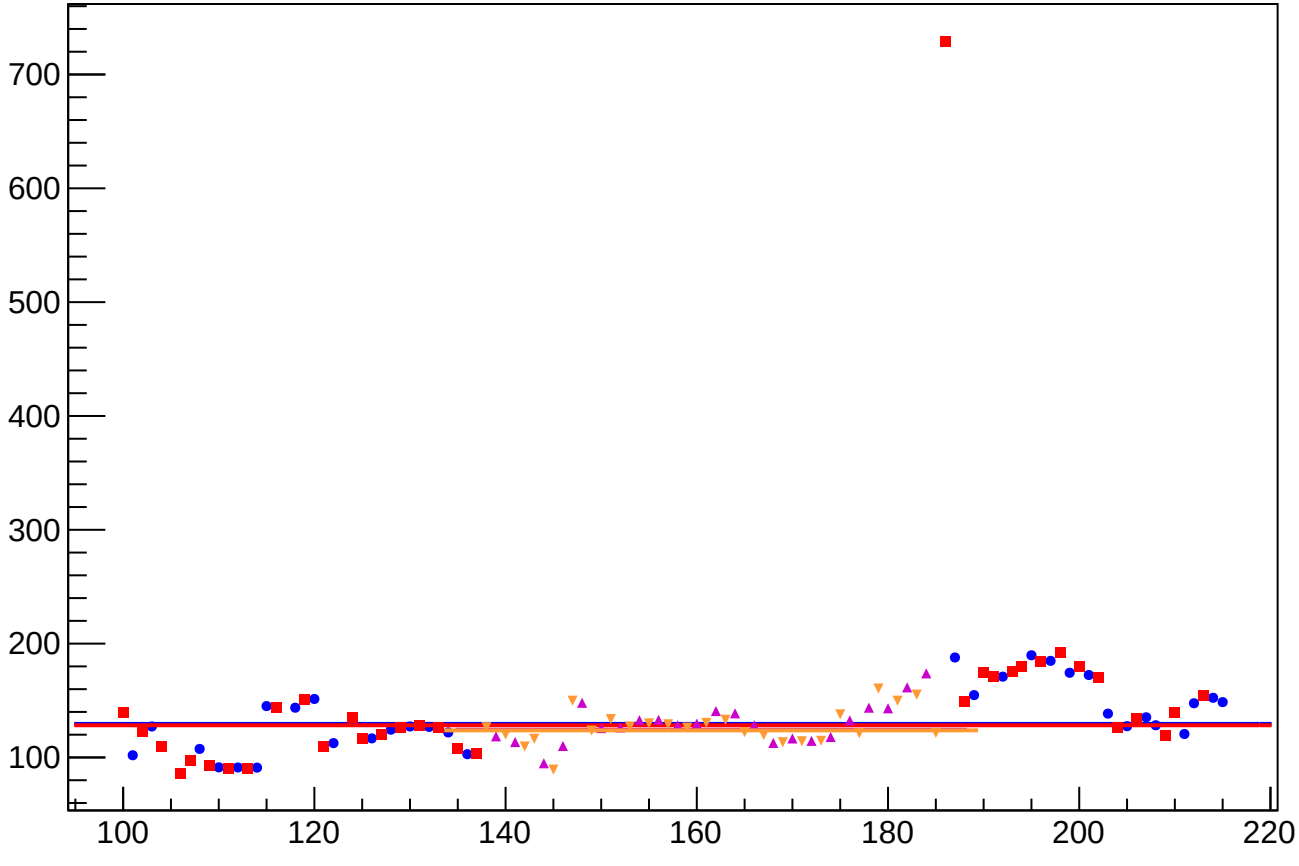
Right: 65.044+/-21.455 χ^2/NDF: 70.2/64

In: 167.704+/-21.022 χ^2/NDF:69.1/53

Out: 167.851+/-20.795 χ^2/NDF:102.1/58

All: 167.778+/-14.784 χ^2/NDF: 171.2/112

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 129.456+/-0.021 χ^2/NDF: 1489242.3/30

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 128.288+/-0.022 χ^2/NDF: 2391777.2/33

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

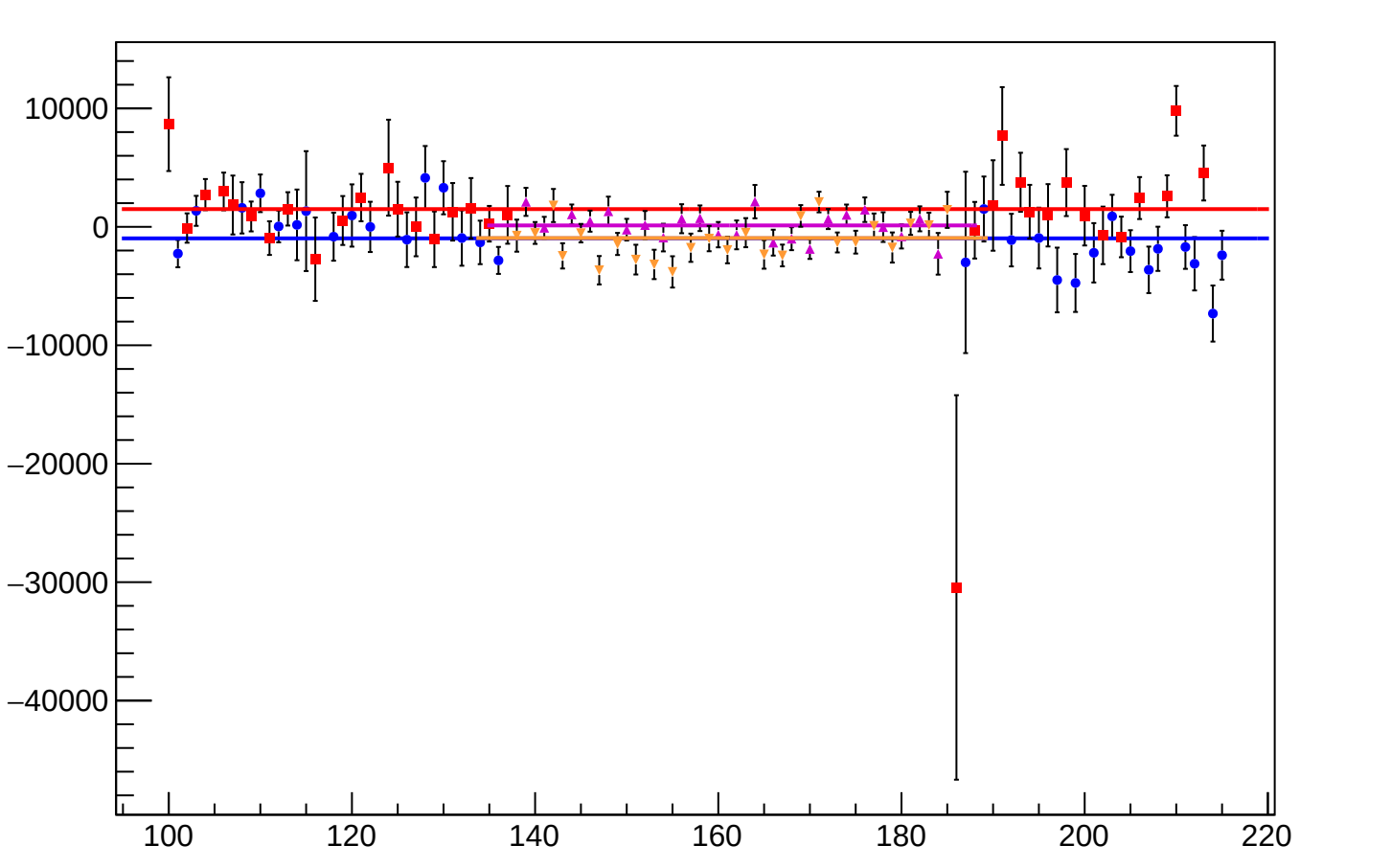
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 128.879+/-0.015 χ^2/NDF: 3882501.8/64

In: 126.783+/-0.015 χ^2/NDF:2076994.0/53

Out: 125.887+/-0.015 χ^2/NDF:3013311.8/58

All: 126.330+/-0.010 χ^2/NDF: 5092143.5/112



Right In: -973.570+/-351.117 χ^2/NDF: 40.7/30

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1497.248+/-348.901 χ^2/NDF: 43.8/33

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

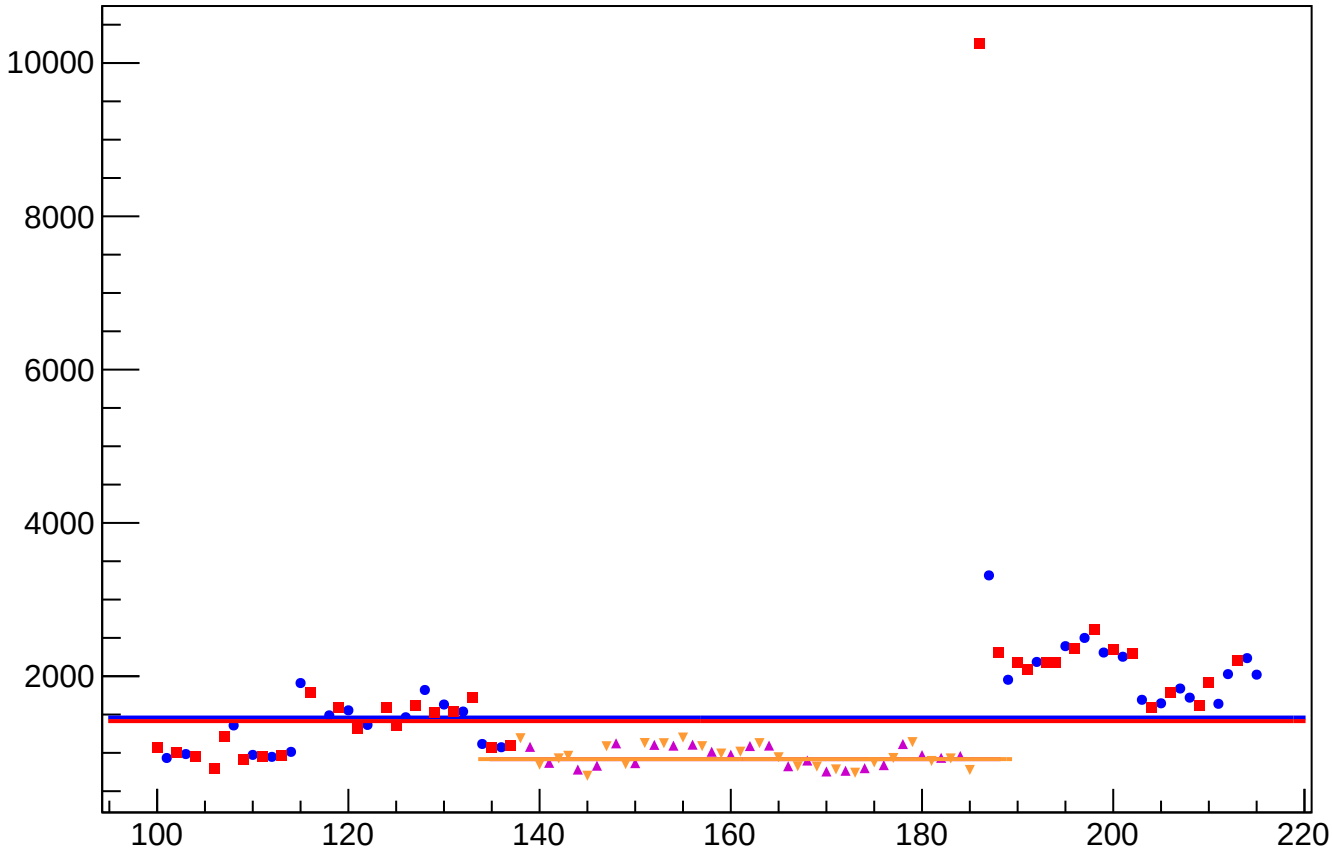
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 269.660+/-247.490 χ^2/NDF: 109.4/64

In: -183.716+/-184.694 χ^2/NDF:72.1/53

Out: -289.367+/-181.048 χ^2/NDF:129.9/58

All: -237.595+/-129.290 χ^2/NDF: 202.2/112



Right In: 1460.903+/-0.248 χ^2/NDF: 3667629.8/30

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1414.157+/-0.247 χ^2/NDF: 4835518.5/33

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

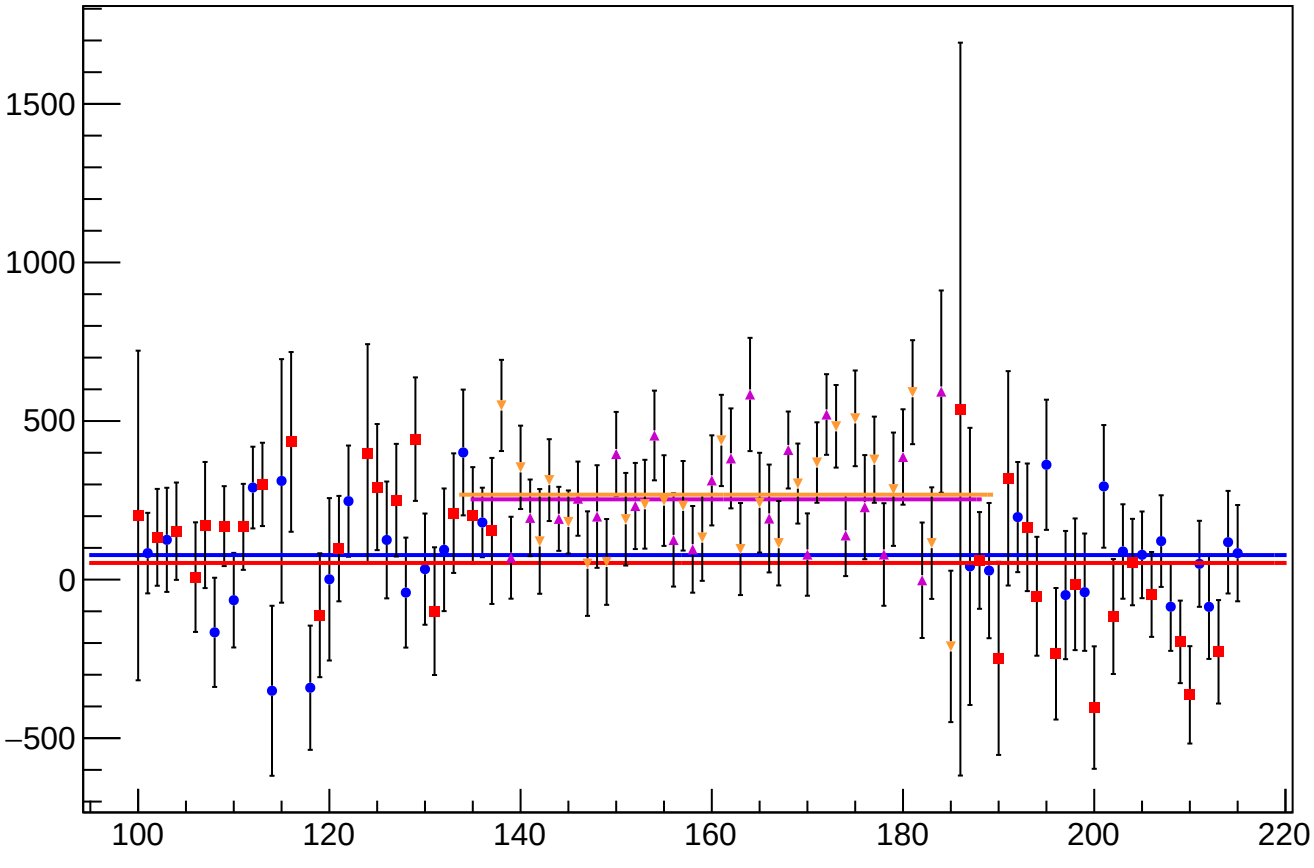
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1437.382+/-0.175 χ^2/NDF: 8520985.9/64

In: 1068.373+/-0.131 χ^2/NDF:7789703.6/53

Out: 1051.964+/-0.128 χ^2/NDF:8672807.0/58

All: 1060.005+/-0.091 χ^2/NDF: 16470561.1/1



Right In: 77.331+/-30.164 χ^2/NDF: 25.5/30

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 52.460+/-30.525 χ^2/NDF: 44.4/33

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

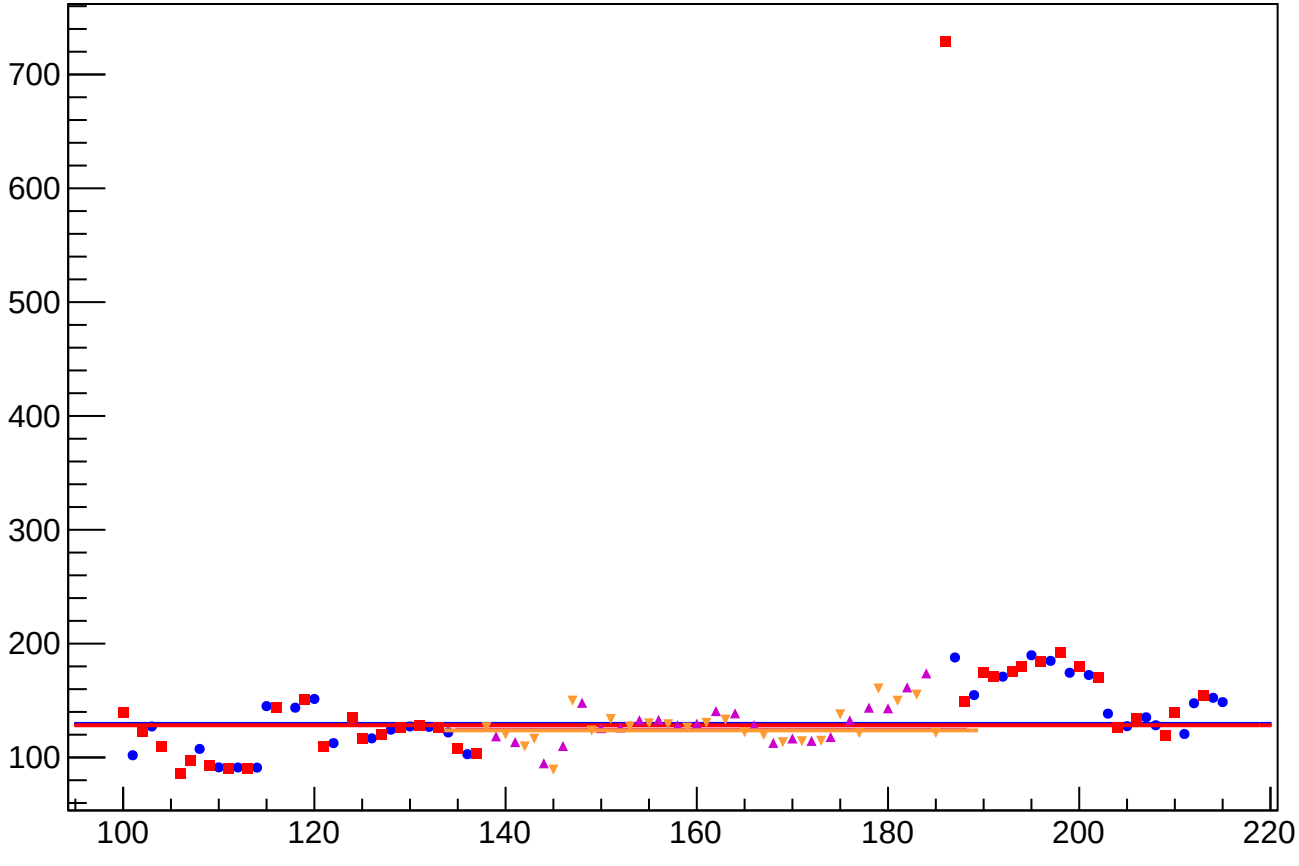
Right: 65.044+/-21.455 χ^2/NDF: 70.2/64

In: 167.704+/-21.022 χ^2/NDF:69.1/53

Out: 167.851+/-20.795 χ^2/NDF:102.1/58

All: 167.778+/-14.784 χ^2/NDF: 171.2/112

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 129.456+/-0.021 χ^2/NDF: 1489242.3/30

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 128.288+/-0.022 χ^2/NDF: 2391777.2/33

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

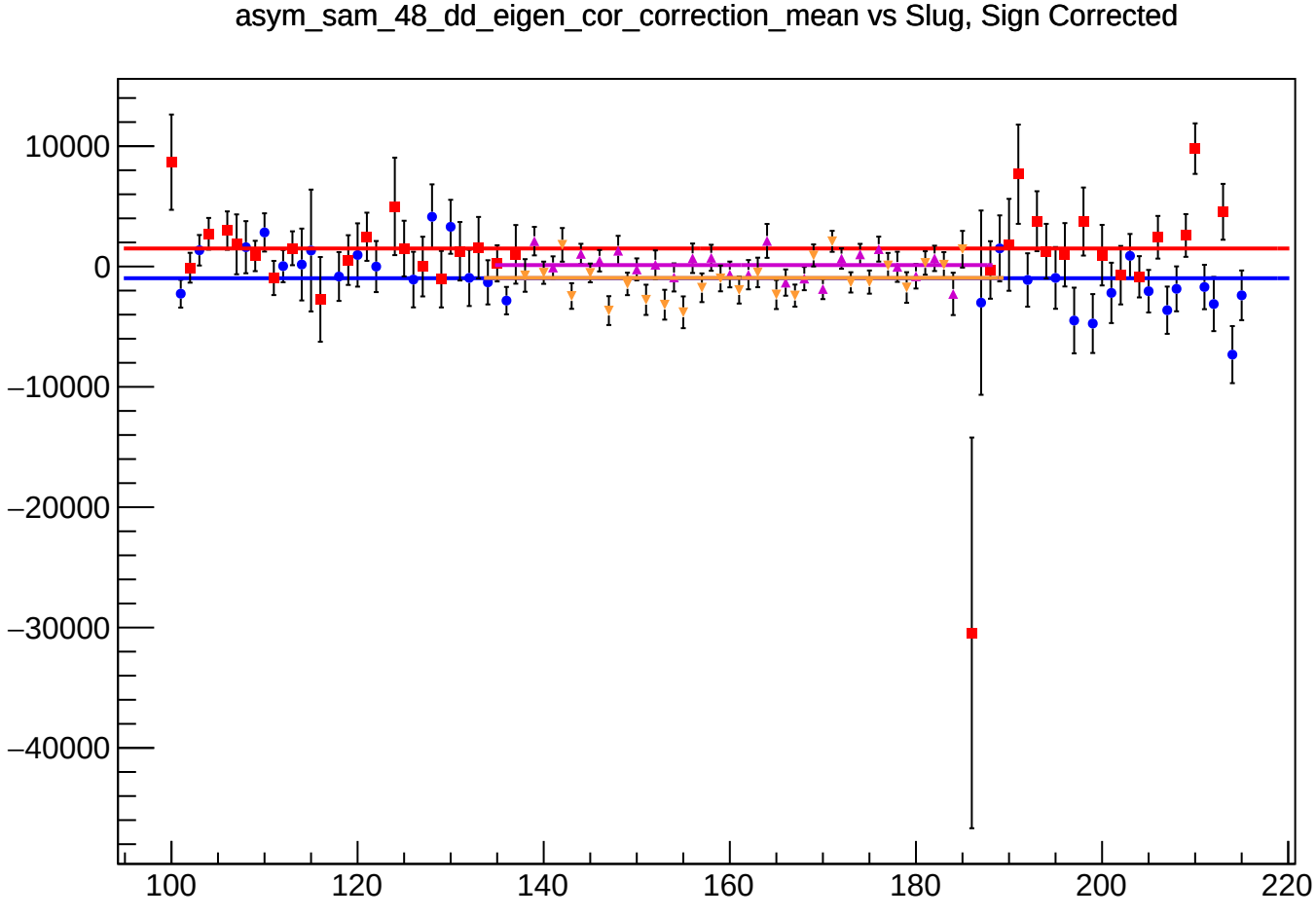
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 128.879+/-0.015 χ^2/NDF: 3882501.8/64

In: 126.783+/-0.015 χ^2/NDF:2076994.0/53

Out: 125.887+/-0.015 χ^2/NDF:3013311.8/58

All: 126.330+/-0.010 χ^2/NDF: 5092143.5/112



Right In: -973.570+/-351.117 χ^2/NDF: 40.7/30

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1497.248+/-348.901 χ^2/NDF: 43.8/33

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

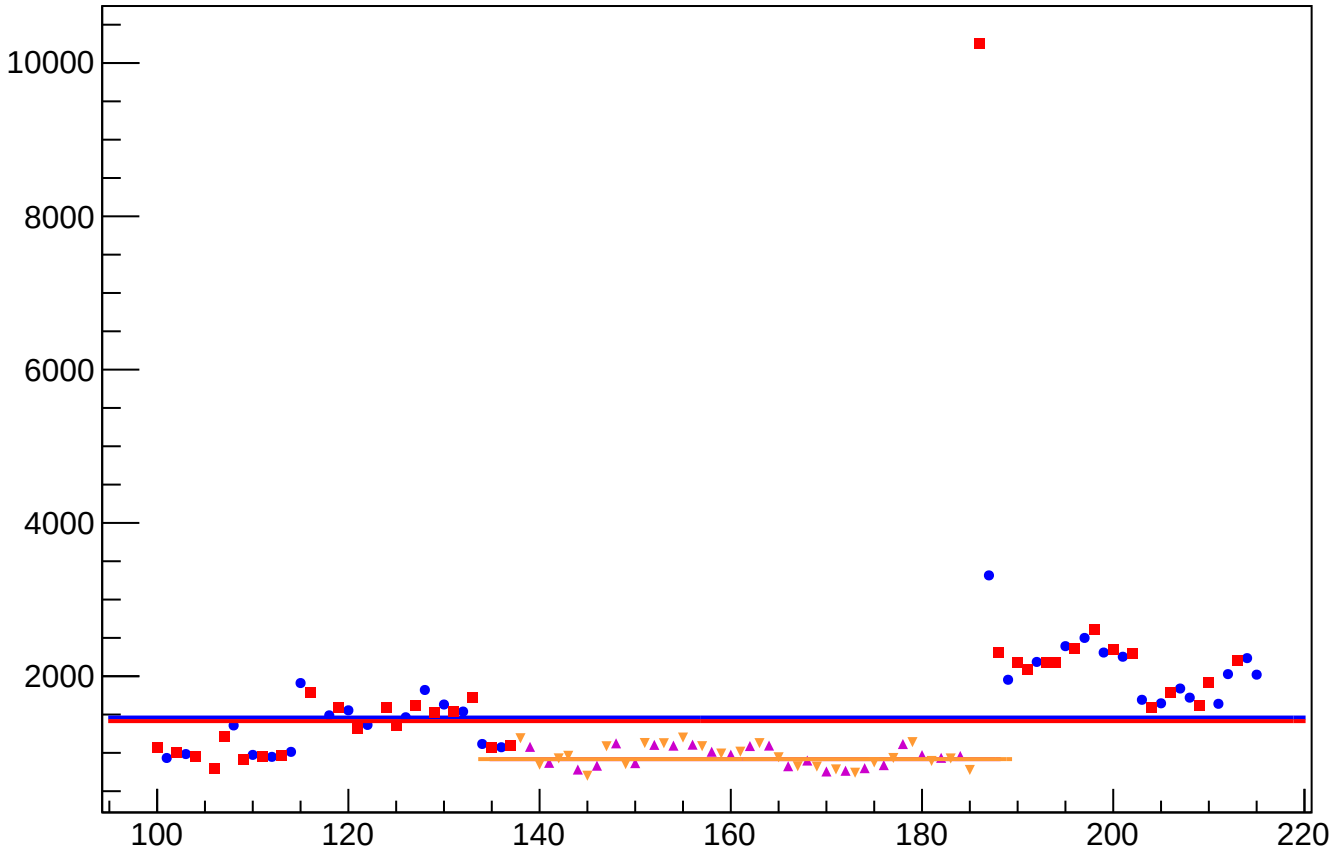
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 269.660+/-247.490 χ^2/NDF: 109.4/64

In: -183.716+/-184.694 χ^2/NDF:72.1/53

Out: -289.367+/-181.048 χ^2/NDF:129.9/58

All: -237.595+/-129.290 χ^2/NDF: 202.2/112



Right In: 1460.903+/-0.248 χ^2/NDF: 3667629.8/30

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1414.157+/-0.247 χ^2/NDF: 4835518.5/33

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

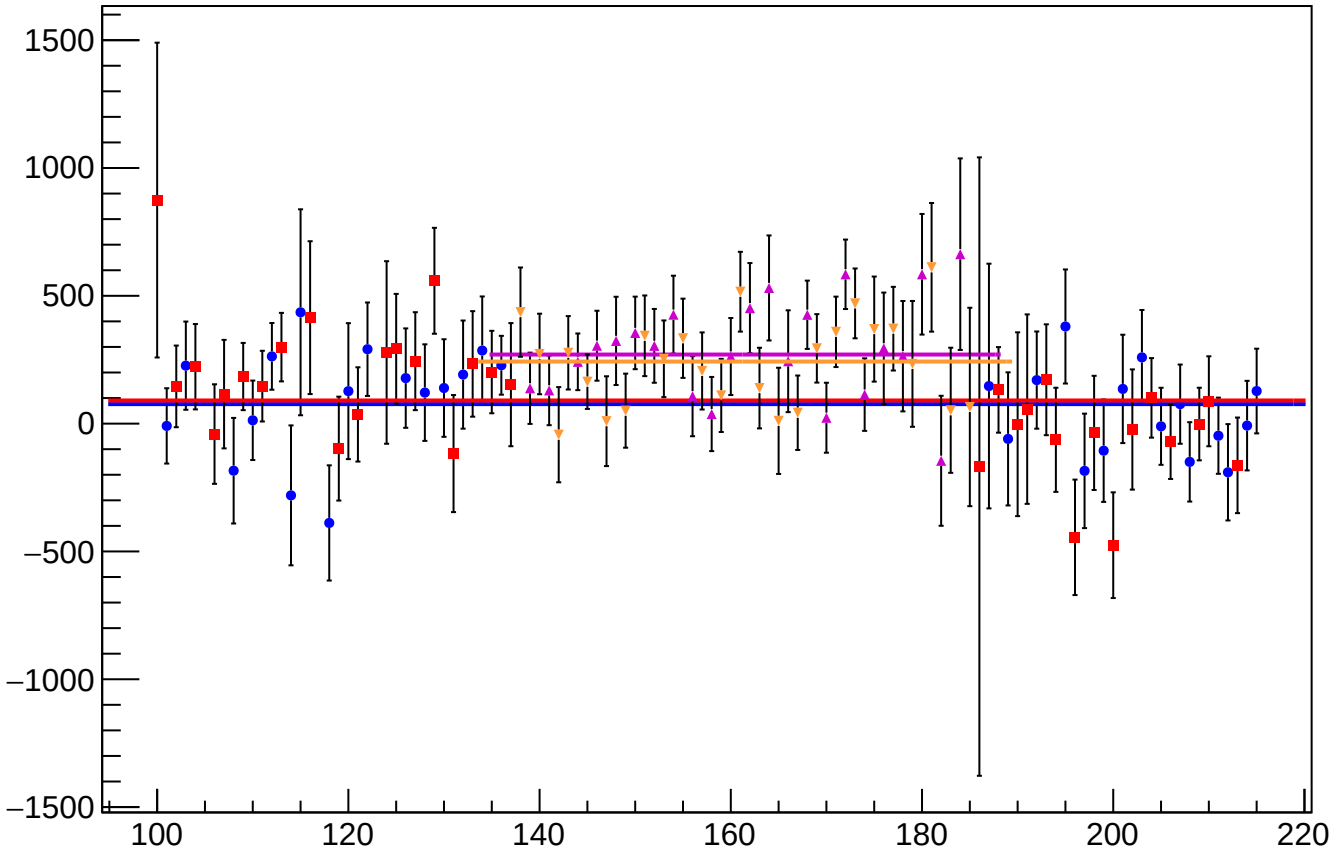
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1437.382+/-0.175 χ^2/NDF: 8520985.9/64

In: 1068.373+/-0.131 χ^2/NDF:7789703.6/53

Out: 1051.964+/-0.128 χ^2/NDF:8672807.0/58

All: 1060.005+/-0.091 χ^2/NDF: 16470561.1/1



Right In: 76.310+/-32.949 χ^2/NDF: 27.6/30

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 90.602+/-33.107 χ^2/NDF: 34.9/33

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

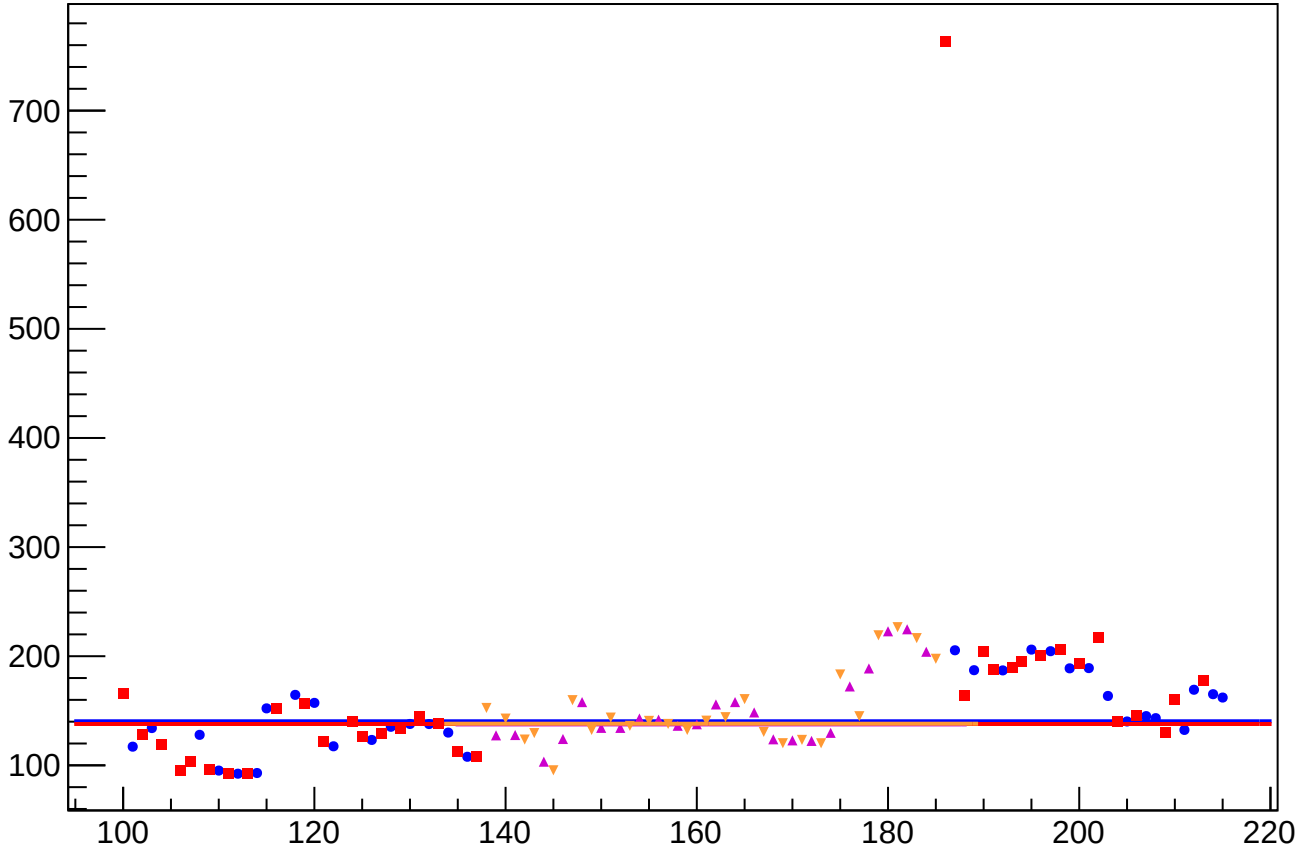
Right: 83.422+/-23.354 χ^2/NDF: 62.6/64

In: 173.440+/-23.279 χ^2/NDF:71.7/53

Out: 169.007+/-23.060 χ^2/NDF:69.4/58

All: 171.203+/-16.383 χ^2/NDF: 141.2/112

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 140.370+/-0.023 χ^2/NDF: 1750204.3/30

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 137.889+/-0.023 χ^2/NDF: 2761488.9/33

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

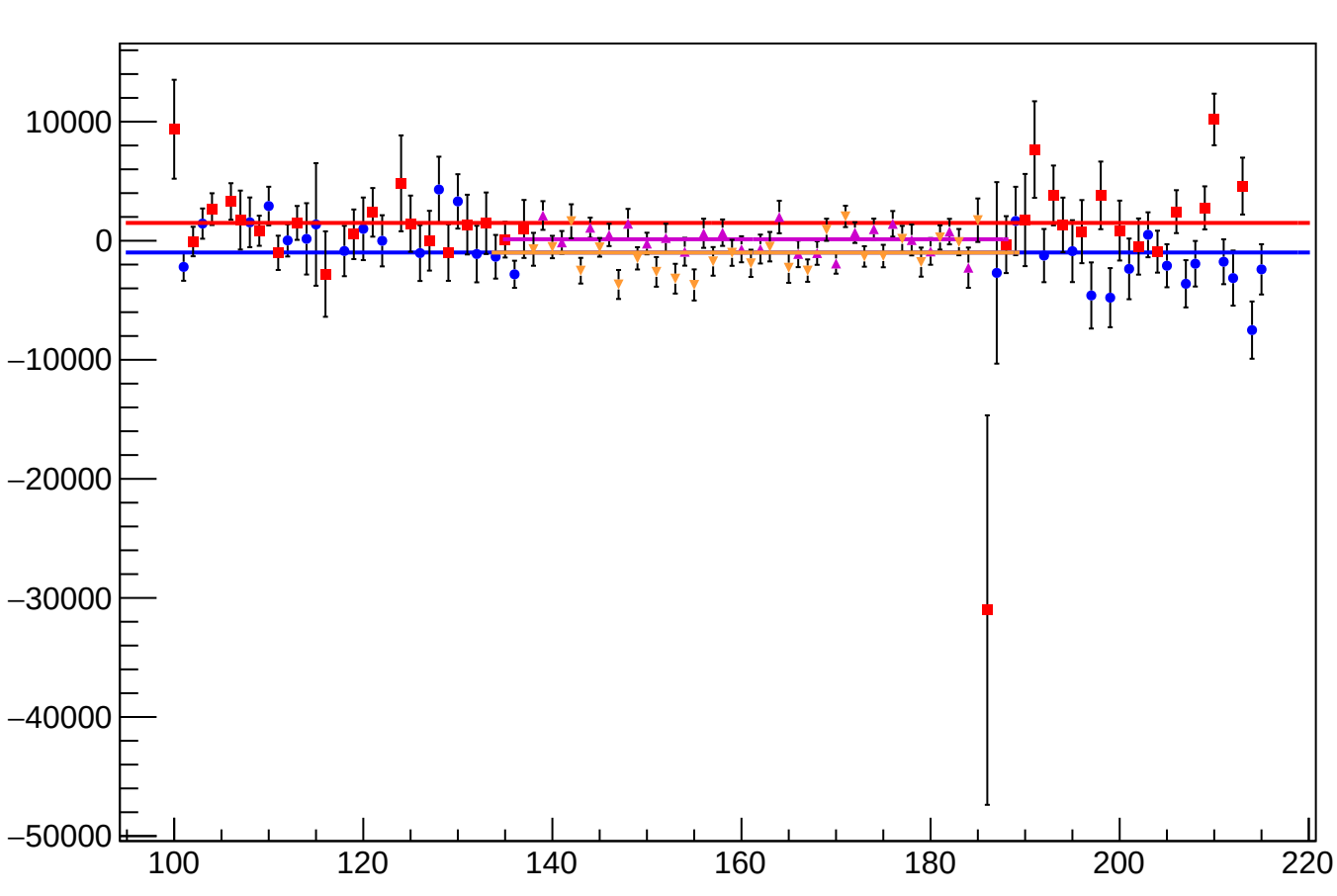
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 139.135+/-0.017 χ^2/NDF: 4517335.9/64

In: 138.928+/-0.016 χ^2/NDF:2867182.8/53

Out: 138.012+/-0.016 χ^2/NDF:4099850.9/58

All: 138.465+/-0.012 χ^2/NDF: 6968598.5/112



Right In: -986.305+/-355.576 χ^2/NDF: 40.6/30

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1497.089+/-351.479 χ^2/NDF: 45.2/33

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

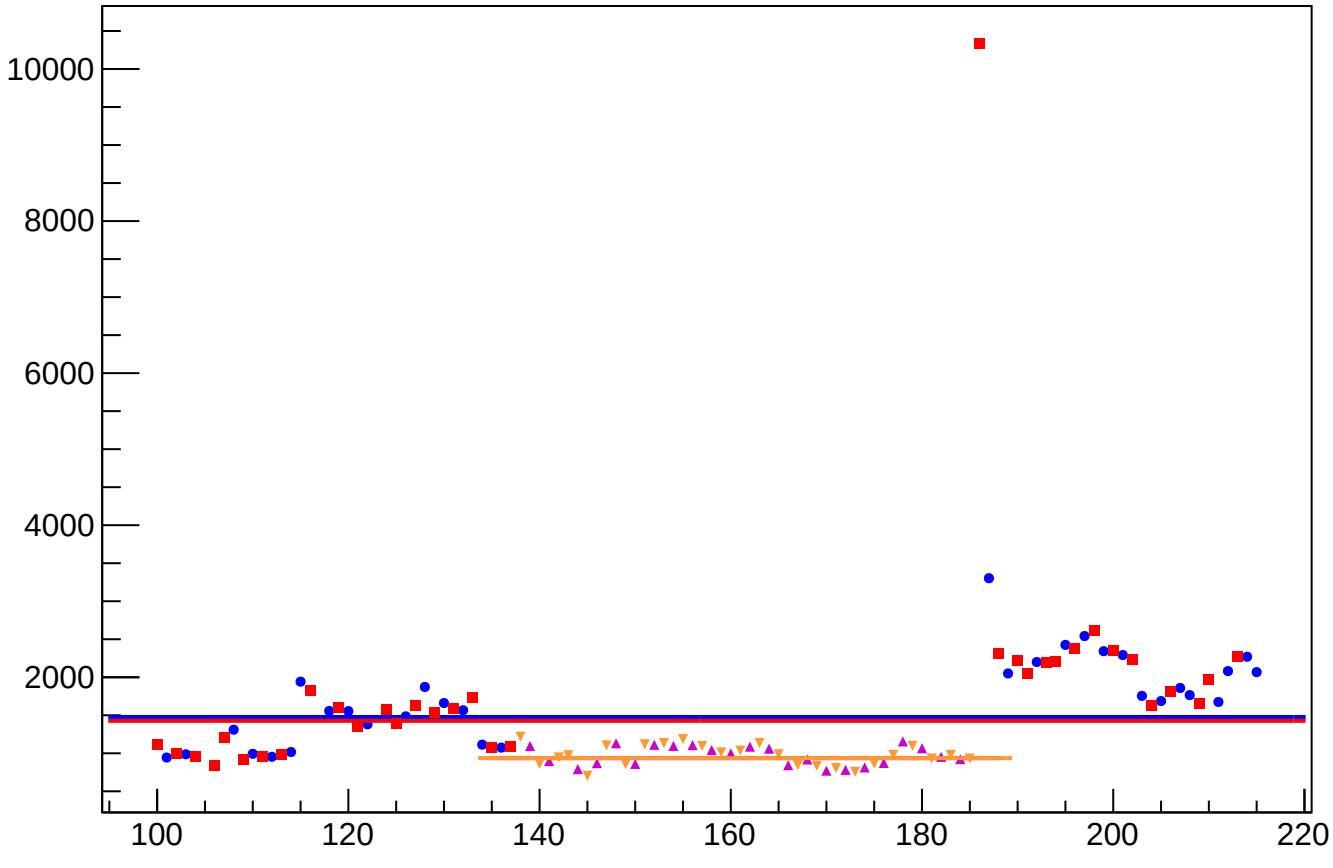
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 269.781+/-249.969 χ^2/NDF: 110.4/64

In: -185.513+/-187.924 χ^2/NDF:71.5/53

Out: -312.147+/-183.812 χ^2/NDF:128.6/58

All: -250.231+/-131.404 χ^2/NDF: 200.3/112



Right In: 1477.347+/-0.251 χ^2/NDF: 3798199.3/30

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1427.034+/-0.249 χ^2/NDF: 4842390.2/33

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

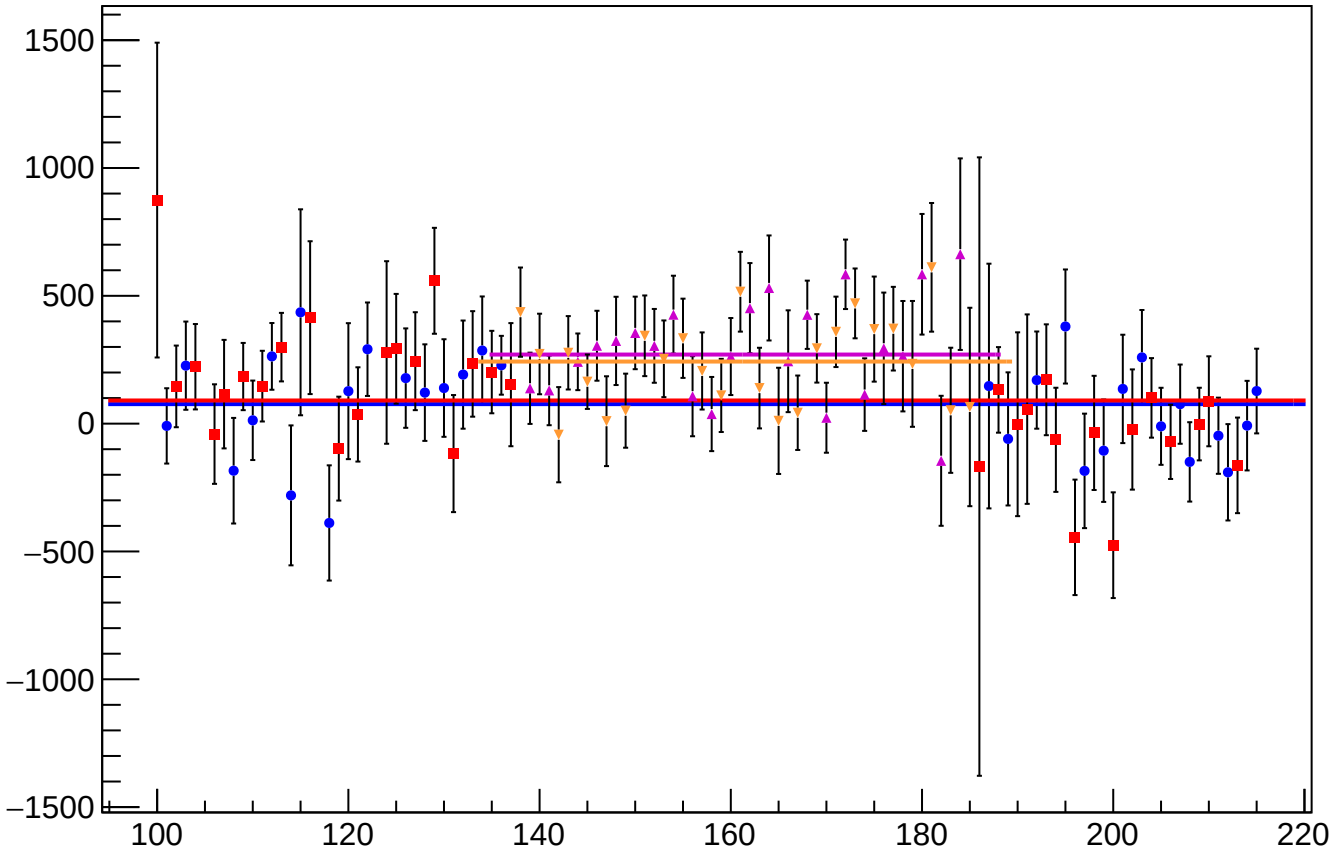
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1451.899+/-0.177 χ^2/NDF: 8660842.7/64

In: 1087.483+/-0.133 χ^2/NDF:7777117.1/53

Out: 1070.835+/-0.130 χ^2/NDF:8502177.8/58

All: 1078.975+/-0.093 χ^2/NDF: 16287316.5/1



Right In: 76.312+/-32.949 χ^2/NDF: 27.6/30

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 90.601+/-33.107 χ^2/NDF: 34.9/33

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

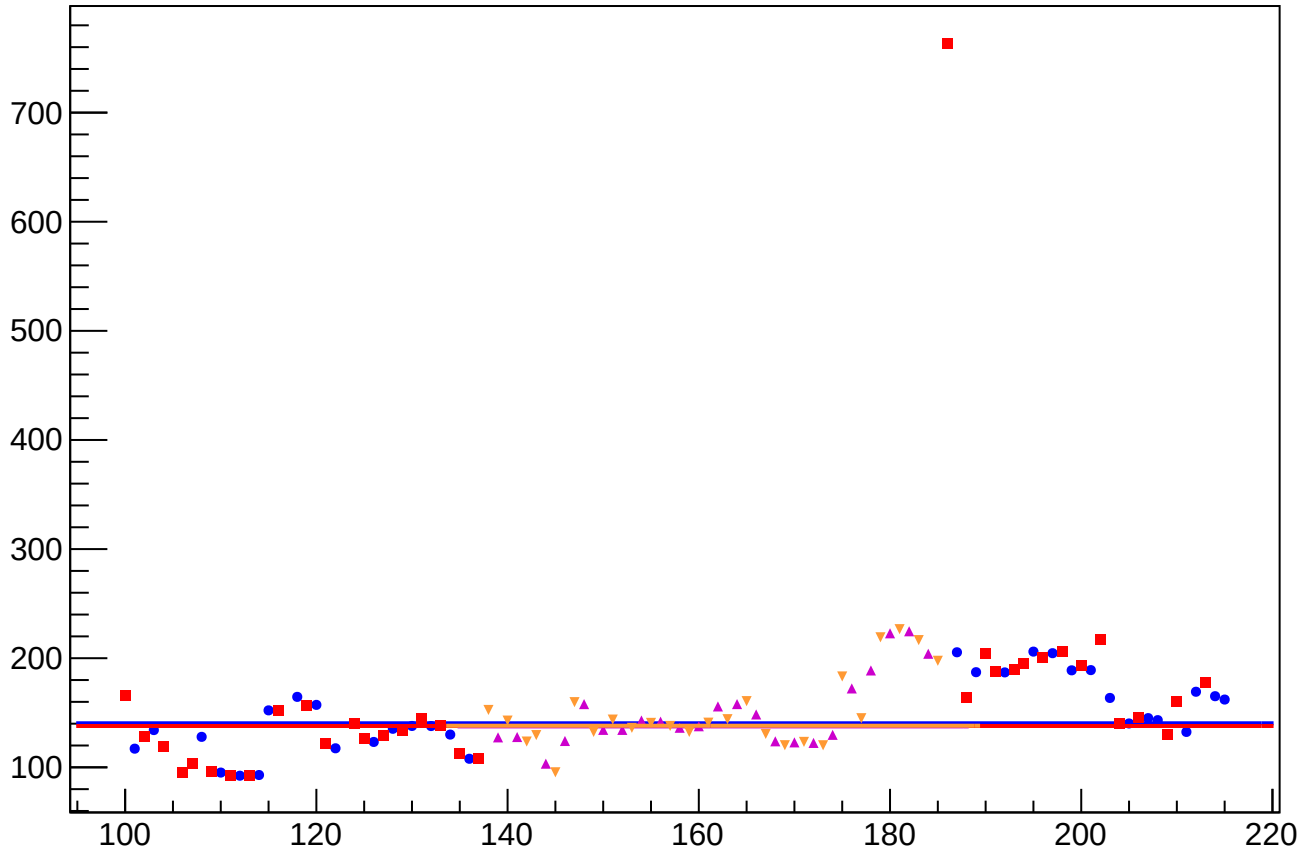
Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

Right: 83.422+/-23.354 χ^2/NDF: 62.6/64

In: 173.442+/-23.279 χ^2/NDF:71.7/53

Out: 169.008+/-23.060 χ^2/NDF:69.4/58

All: 171.204+/-16.383 χ^2/NDF: 141.2/112



Right In: 140.370+/-0.023 χ^2/NDF: 1750186.2/30

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 137.889+/-0.023 χ^2/NDF: 2761493.8/33

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

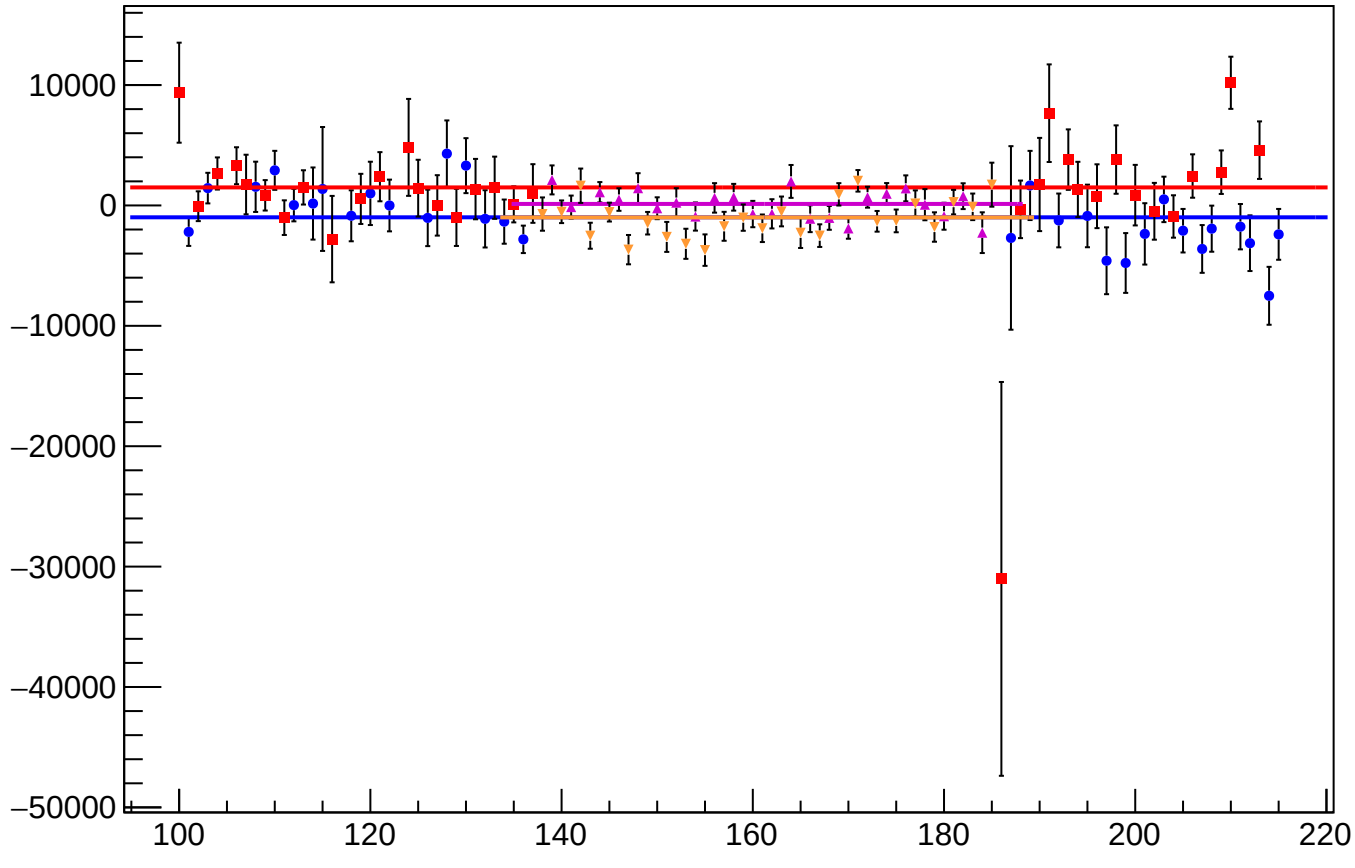
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 139.135+/-0.017 χ^2/NDF: 4517322.4/64

In: 138.928+/-0.016 χ^2/NDF:2867150.7/53

Out: 138.012+/-0.016 χ^2/NDF:4099859.0/58

All: 138.465+/-0.012 χ^2/NDF: 6968574.3/112



Right In: -986.304+/-355.576 χ^2/NDF: 40.6/30

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1497.087+/-351.479 χ^2/NDF: 45.2/33

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

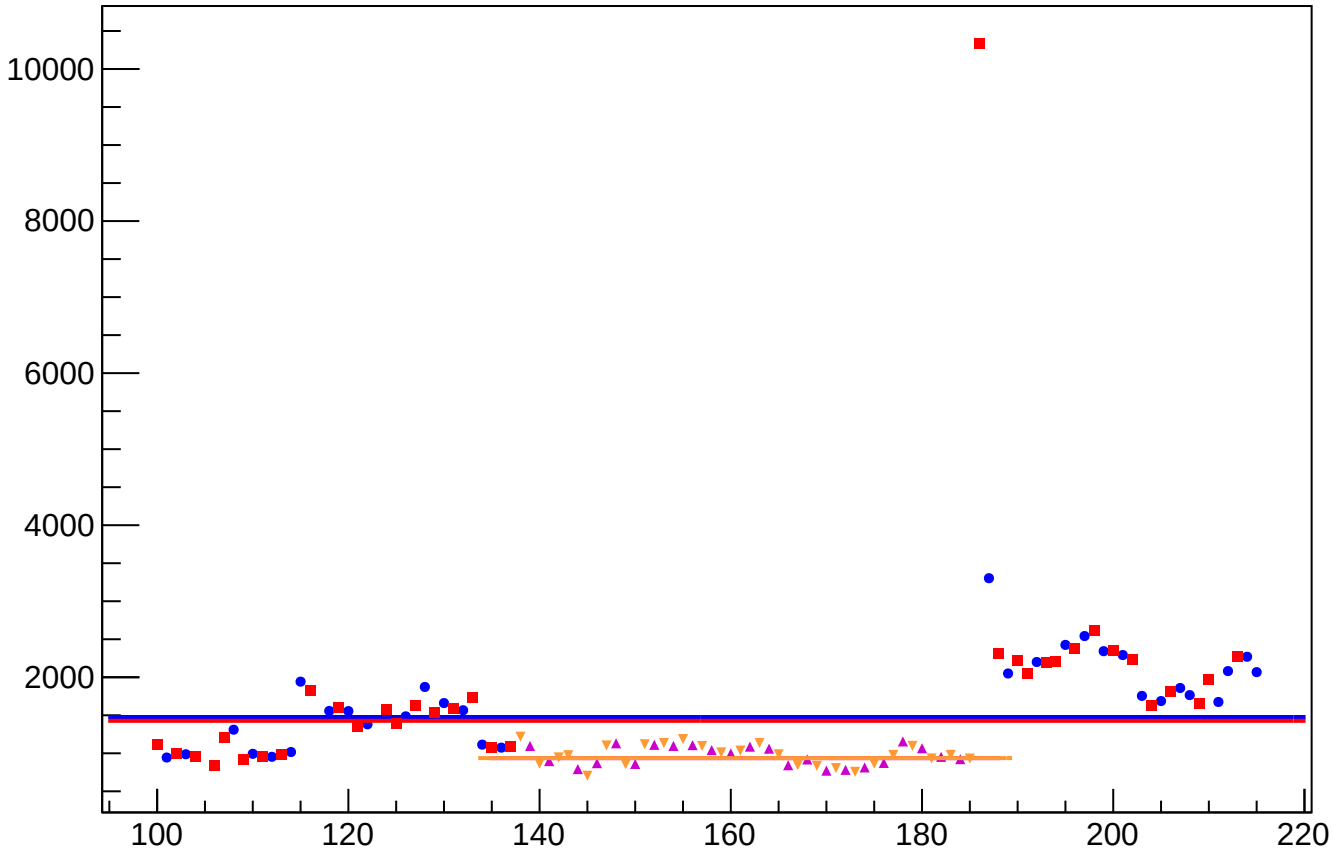
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 269.781+/-249.969 χ^2/NDF: 110.4/64

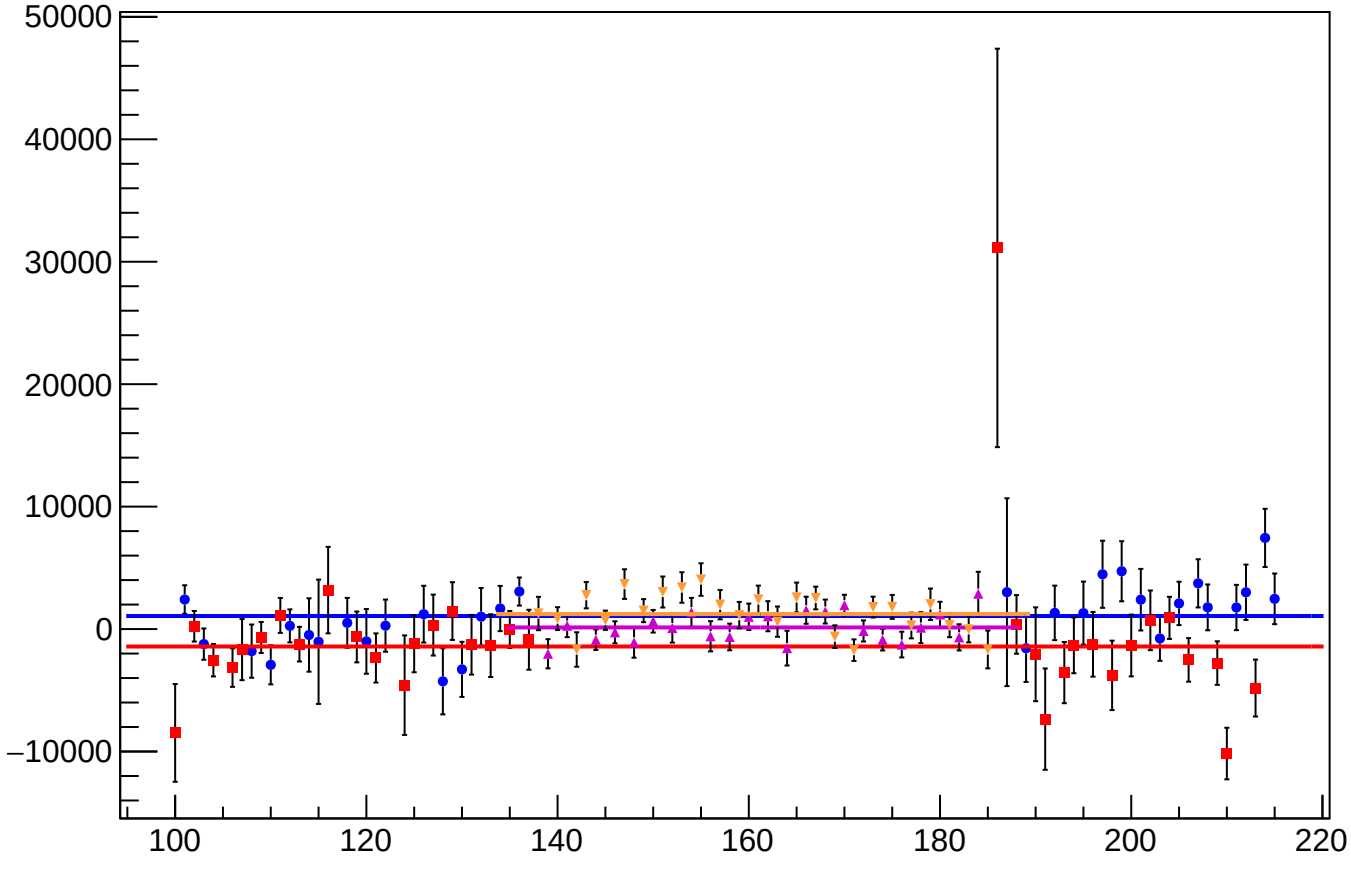
In: -185.513+/-187.924 χ^2/NDF:71.5/53

Out: -312.146+/-183.812 χ^2/NDF:128.6/58

All: -250.231+/-131.404 χ^2/NDF: 200.3/112


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: 1477.346+/-0.251 χ²/NDF: 3798191.7/30
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1427.033+/-0.249 χ²/NDF: 4842383.0/33
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1451.898+/-0.177 χ²/NDF: 8660827.9/64
In: 1087.482+/-0.133 χ²/NDF:7777118.3/53
Out: 1070.834+/-0.130 χ²/NDF:8502183.9/58
All: 1078.974+/-0.093 χ²/NDF: 16287324.1/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 1065.476+/-352.679 χ^2/NDF: 41.9/30

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1424.028+/-350.144 χ^2/NDF: 46.9/33

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

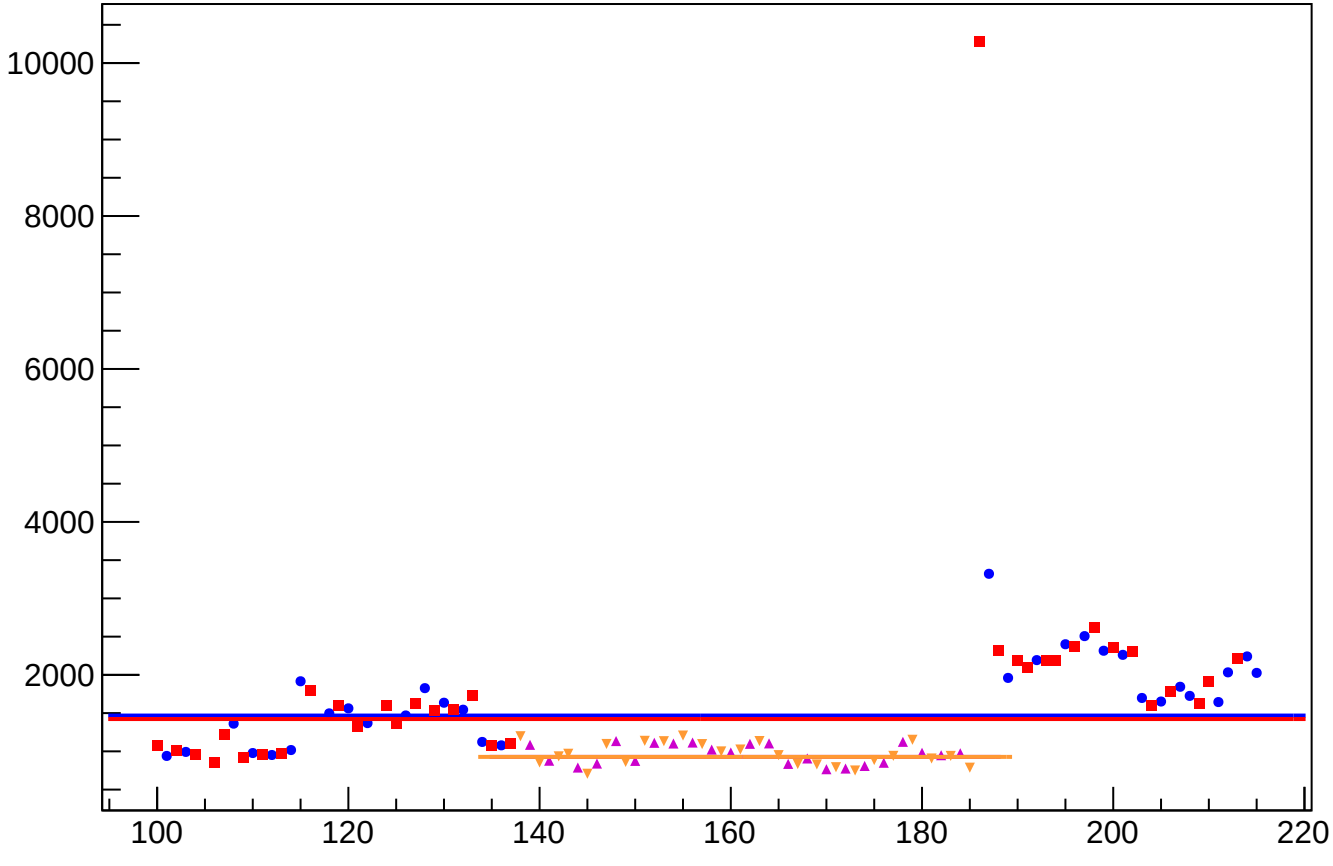
Right: -188.258+/-248.481 χ^2/NDF: 113.9/64

In: 392.851+/-186.219 χ^2/NDF:72.8/53

Out: 505.737+/-182.499 χ^2/NDF:137.1/58

All: 450.433+/-130.342 χ^2/NDF: 210.1/112

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1468.038+/-0.249 χ^2/NDF: 3638015.2/30

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1422.459+/-0.248 χ^2/NDF: 4770419.1/33

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

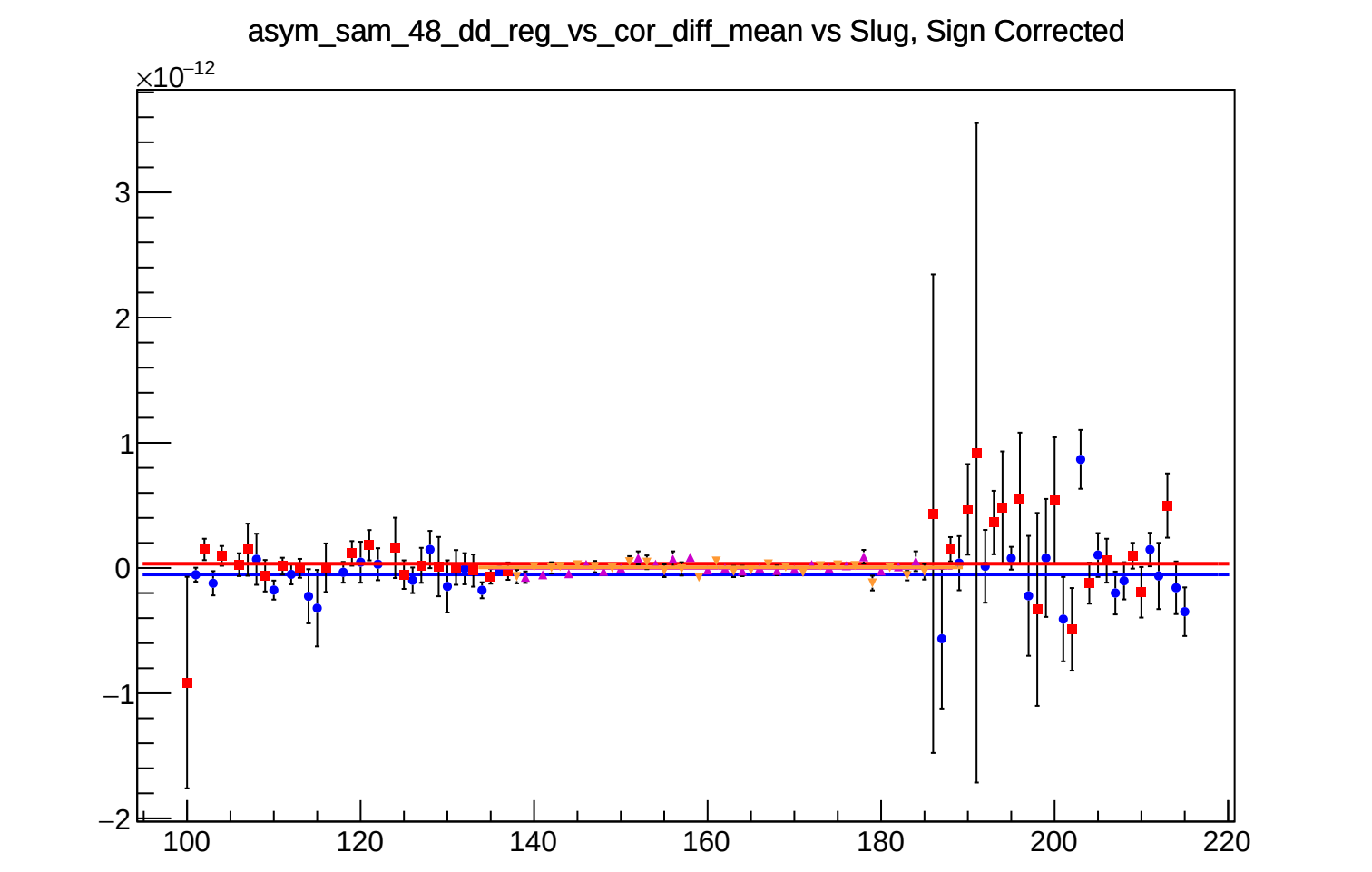
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1445.084+/-0.176 χ^2/NDF: 8425256.9/64

In: 1078.071+/-0.132 χ^2/NDF:7685086.0/53

Out: 1062.042+/-0.129 χ^2/NDF:8555029.2/58

All: 1069.895+/-0.092 χ^2/NDF: 16247674.0/1



Right In: -0.000+/-0.000 χ^2/NDF: 39.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/33

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

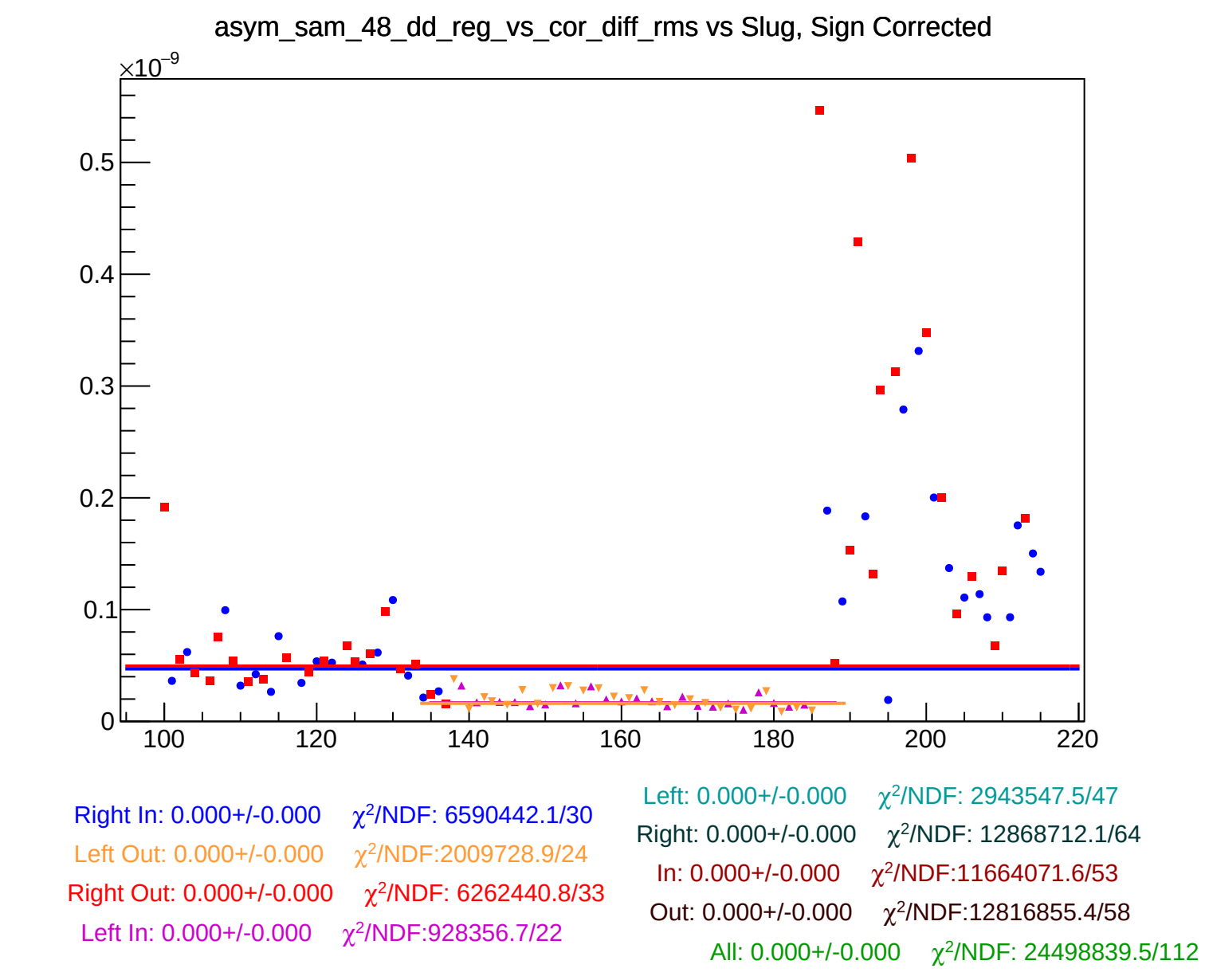
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

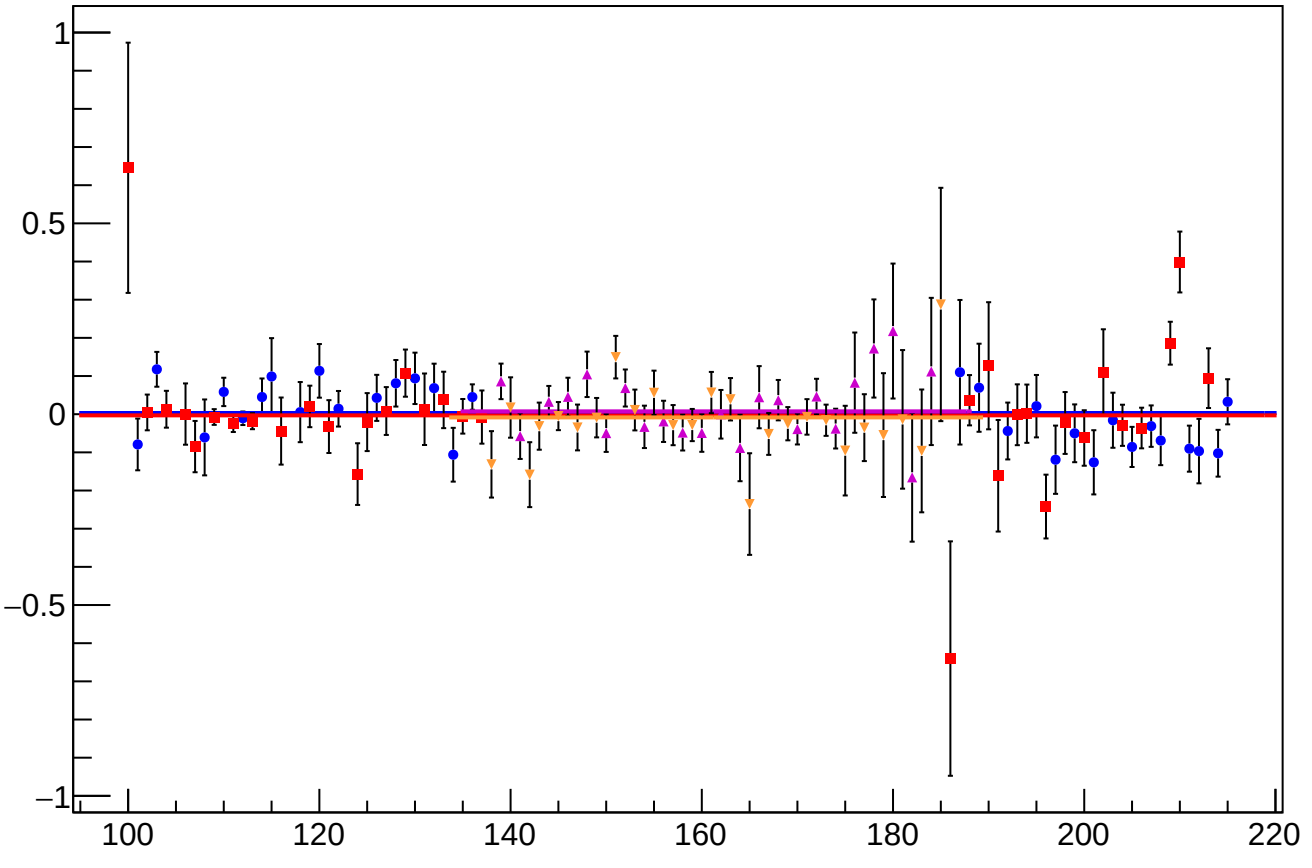
Right: -0.000+/-0.000 χ^2/NDF: 75.7/64

In: -0.000+/-0.000 χ^2/NDF:72.9/53

Out: 0.000+/-0.000 χ^2/NDF:55.2/58

All: 0.000+/-0.000 χ^2/NDF: 129.9/112


asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6590442.1/30
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6262440.8/33
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
Left: 0.000+/-0.000 χ²/NDF: 2943547.5/47
Right: 0.000+/-0.000 χ²/NDF: 12868712.1/64
In: 0.000+/-0.000 χ²/NDF:11664071.6/53
Out: 0.000+/-0.000 χ²/NDF:12816855.4/58
All: 0.000+/-0.000 χ²/NDF: 24498839.5/112



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/30

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 70.1/33

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

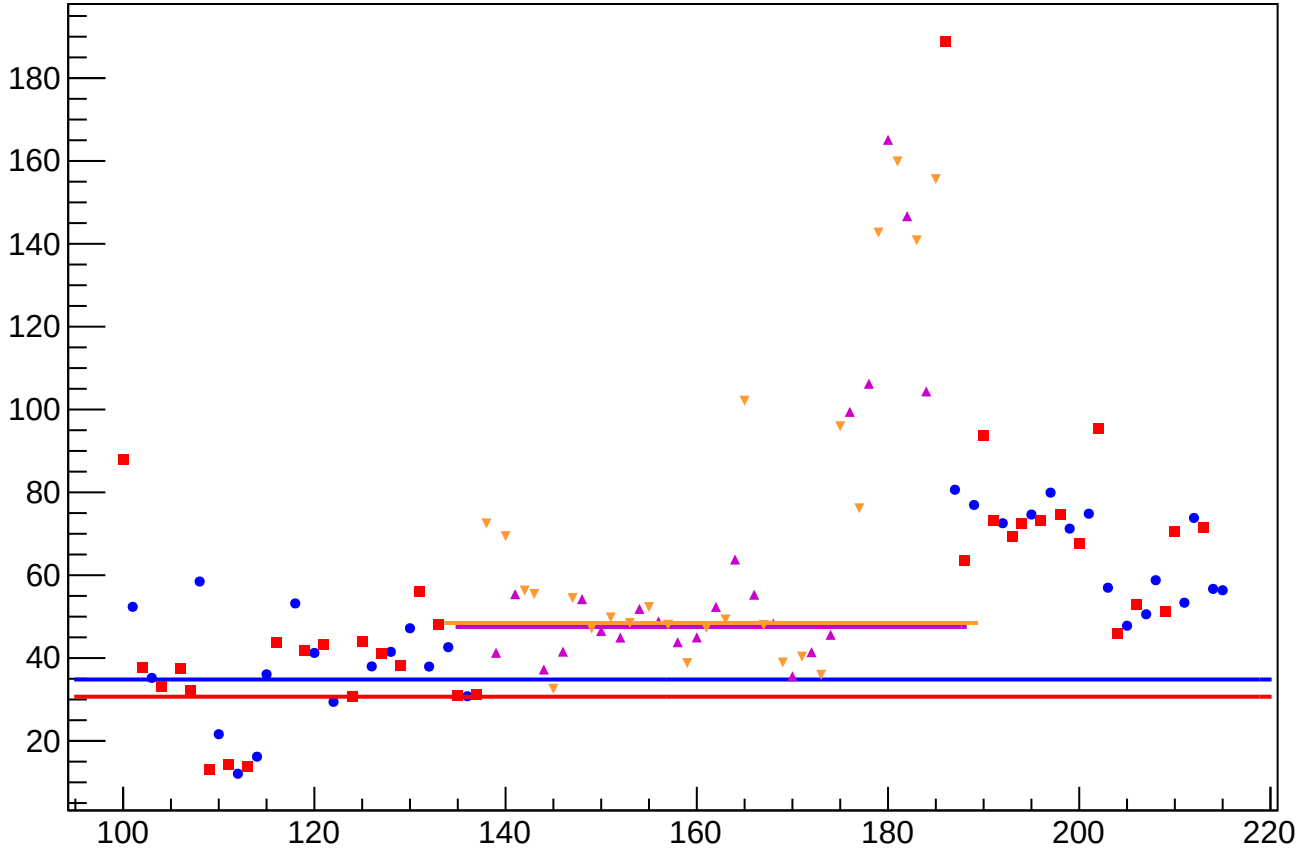
Right: -0.000+/-0.006 χ^2/NDF: 111.8/64

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: -0.000+/-0.005 χ^2/NDF: 159.1/112

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.824+/-0.007 χ^2/NDF: 9081518.7/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 30.673+/-0.006 χ^2/NDF: 11178230.1/33

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

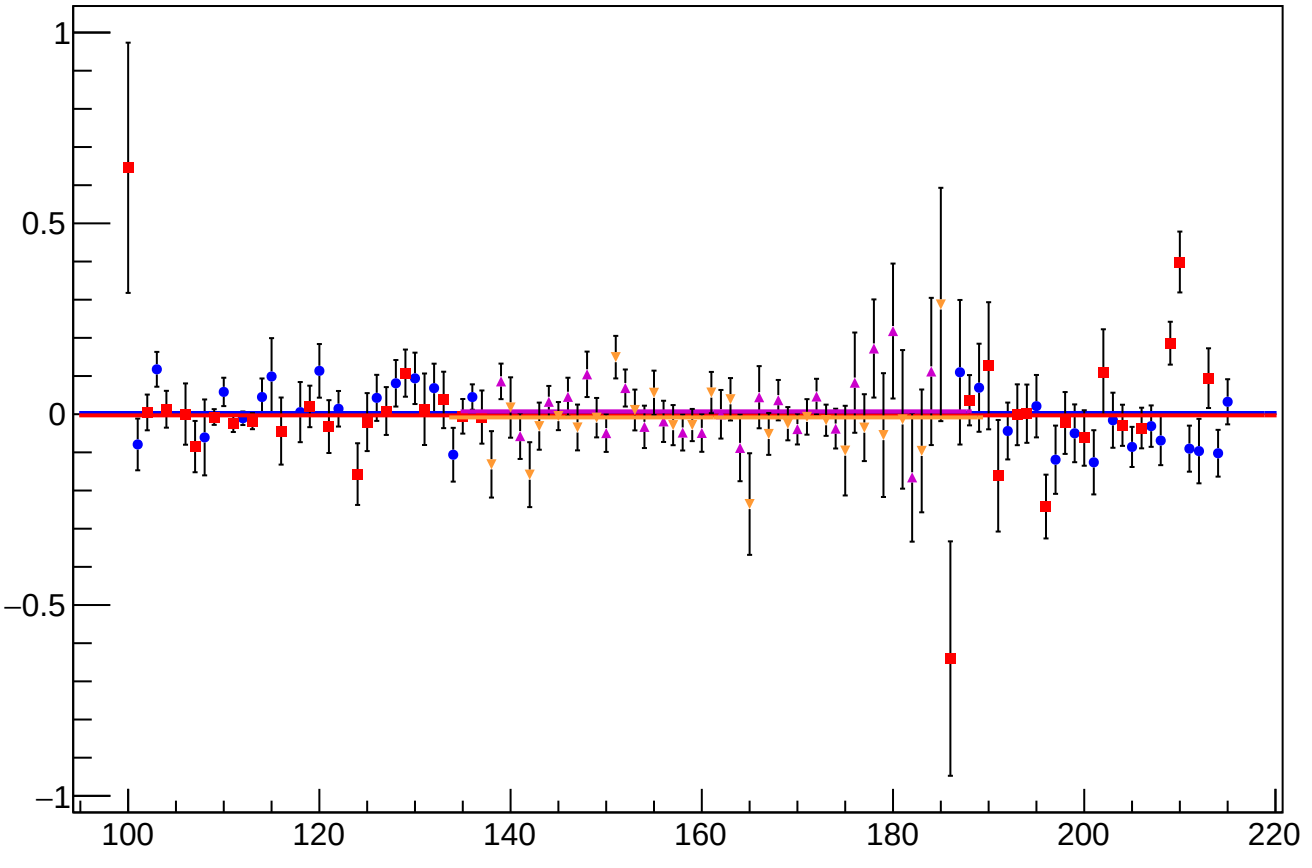
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 32.591+/-0.005 χ^2/NDF: 20466144.3/64

In: 39.678+/-0.005 χ^2/NDF:13527831.5/53

Out: 36.878+/-0.005 χ^2/NDF:18414455.1/58

All: 38.210+/-0.004 χ^2/NDF: 32090705.7/112



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/30

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 70.1/33

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

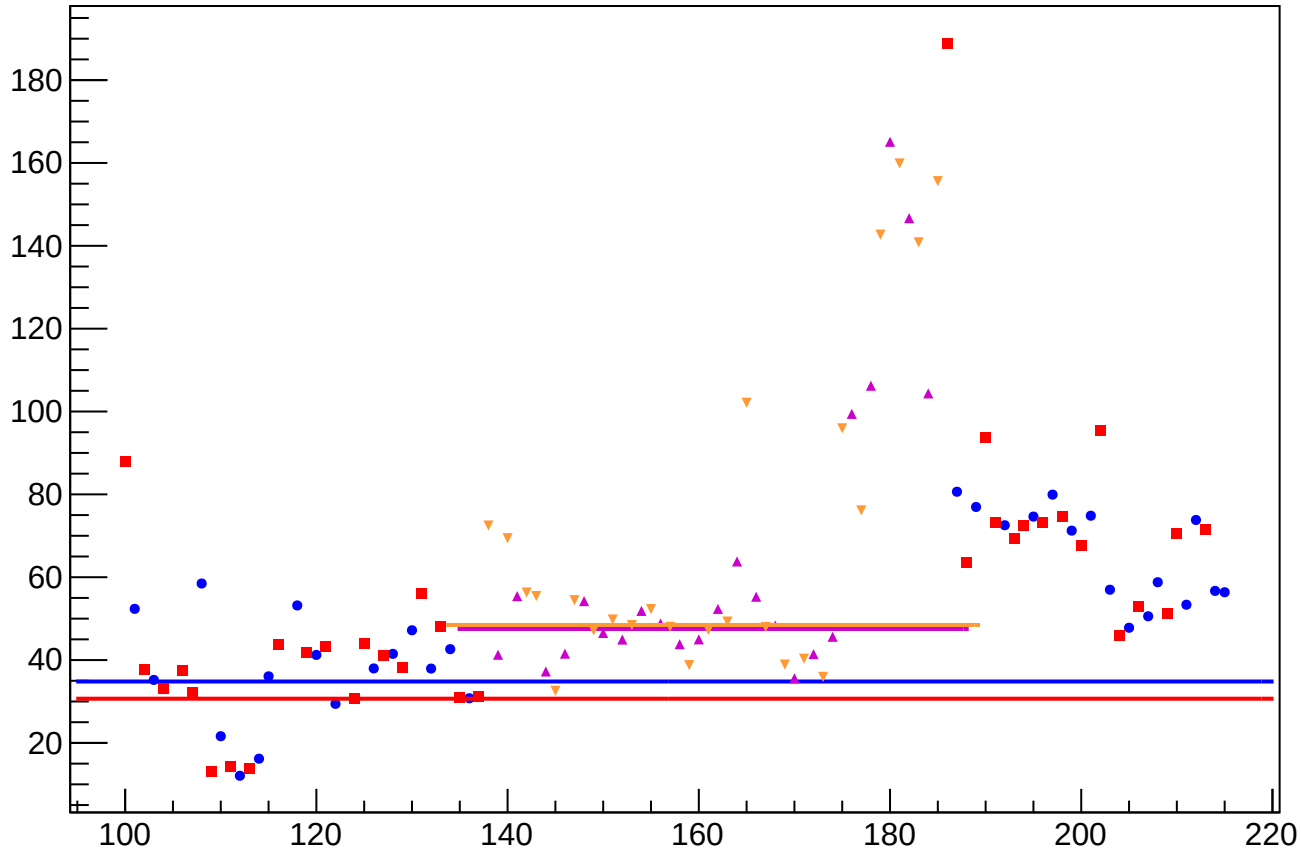
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.000+/-0.006 χ^2/NDF: 111.8/64

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: -0.000+/-0.005 χ^2/NDF: 159.1/112



Right In: 34.824+/-0.007 χ^2/NDF: 9081518.7/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 30.673+/-0.006 χ^2/NDF: 11178230.1/33

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

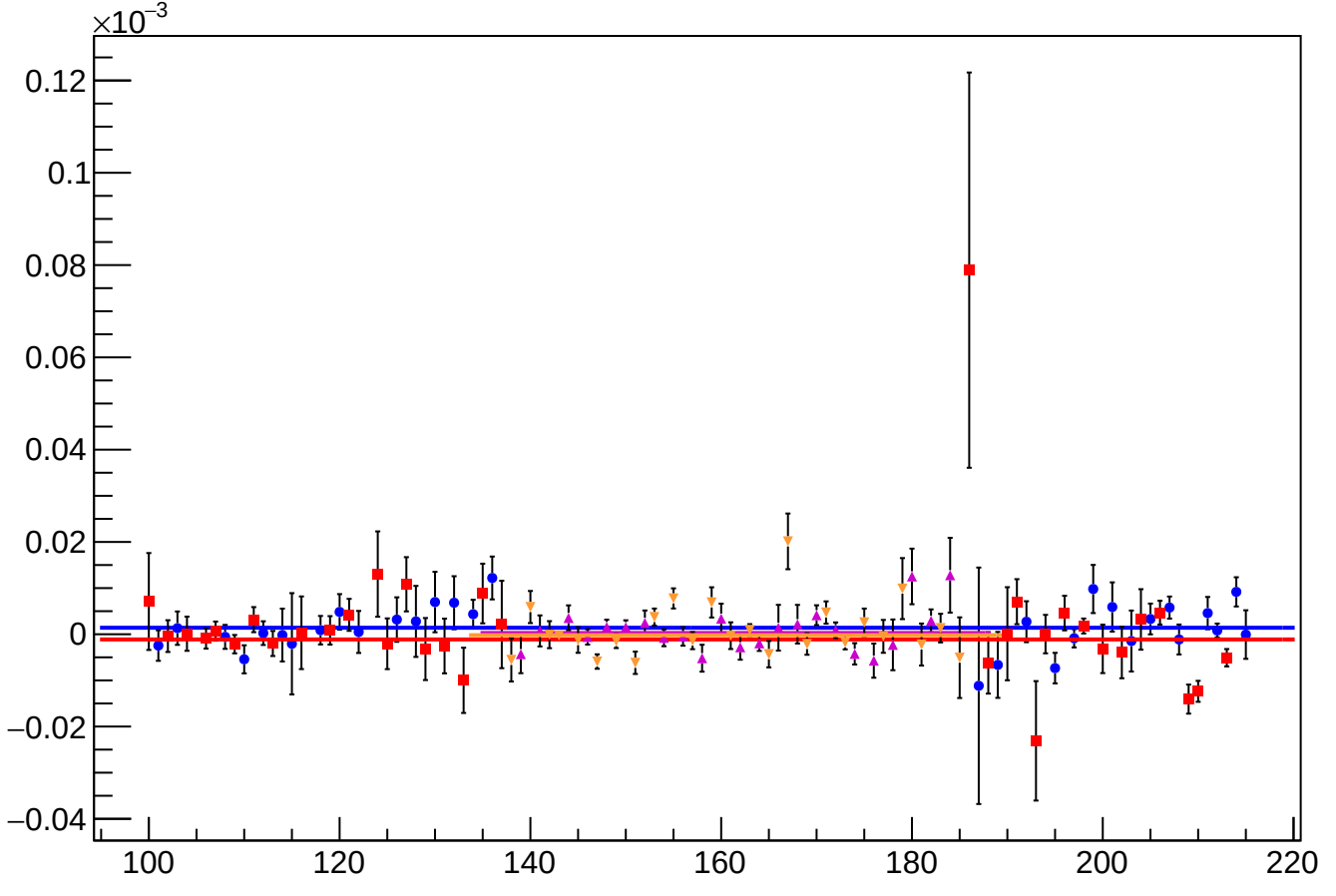
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 32.591+/-0.005 χ^2/NDF: 20466144.3/64

In: 39.678+/-0.005 χ^2/NDF:13527831.5/53

Out: 36.878+/-0.005 χ^2/NDF:18414455.1/58

All: 38.210+/-0.004 χ^2/NDF: 32090705.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 41.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 85.0/33

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

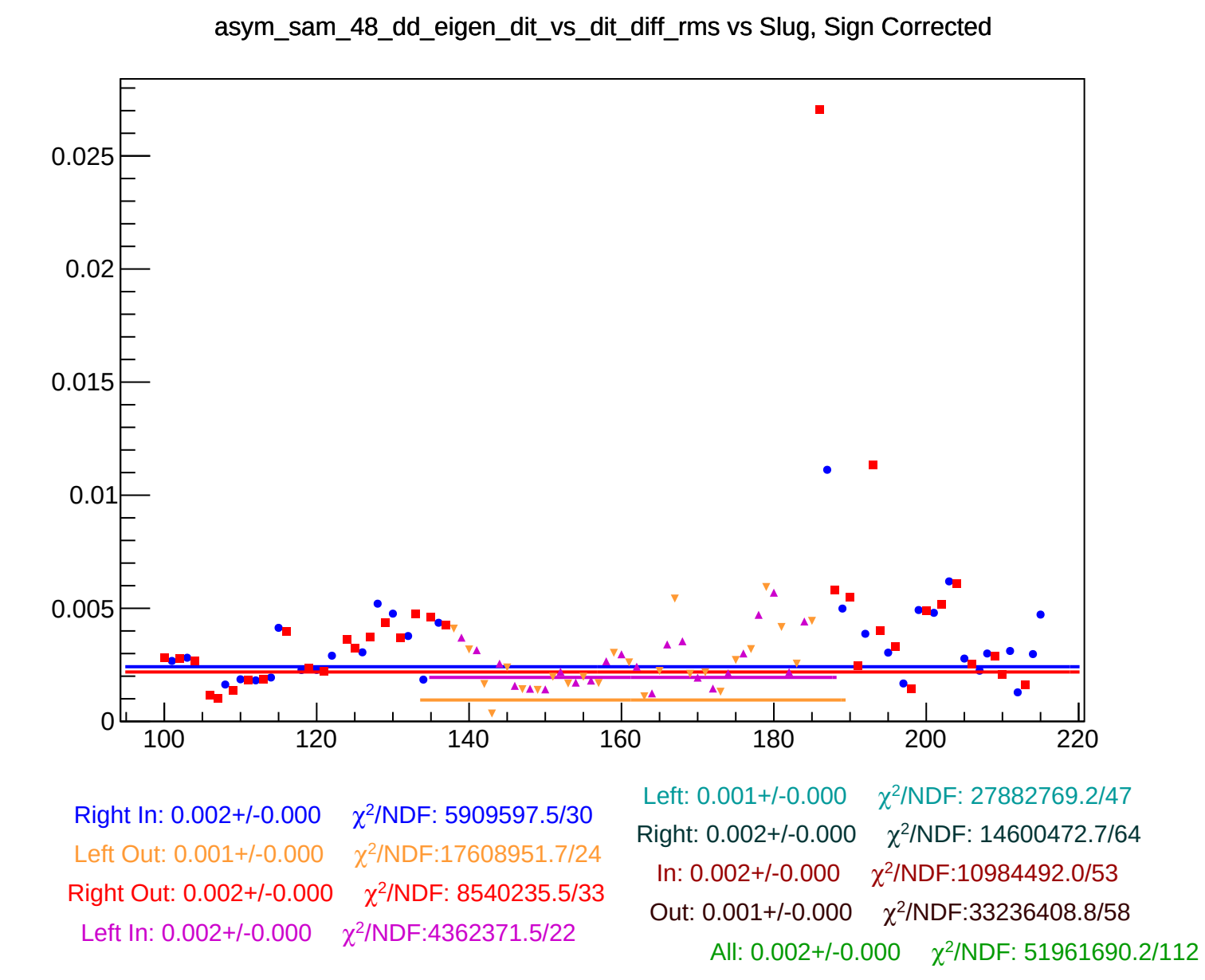
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

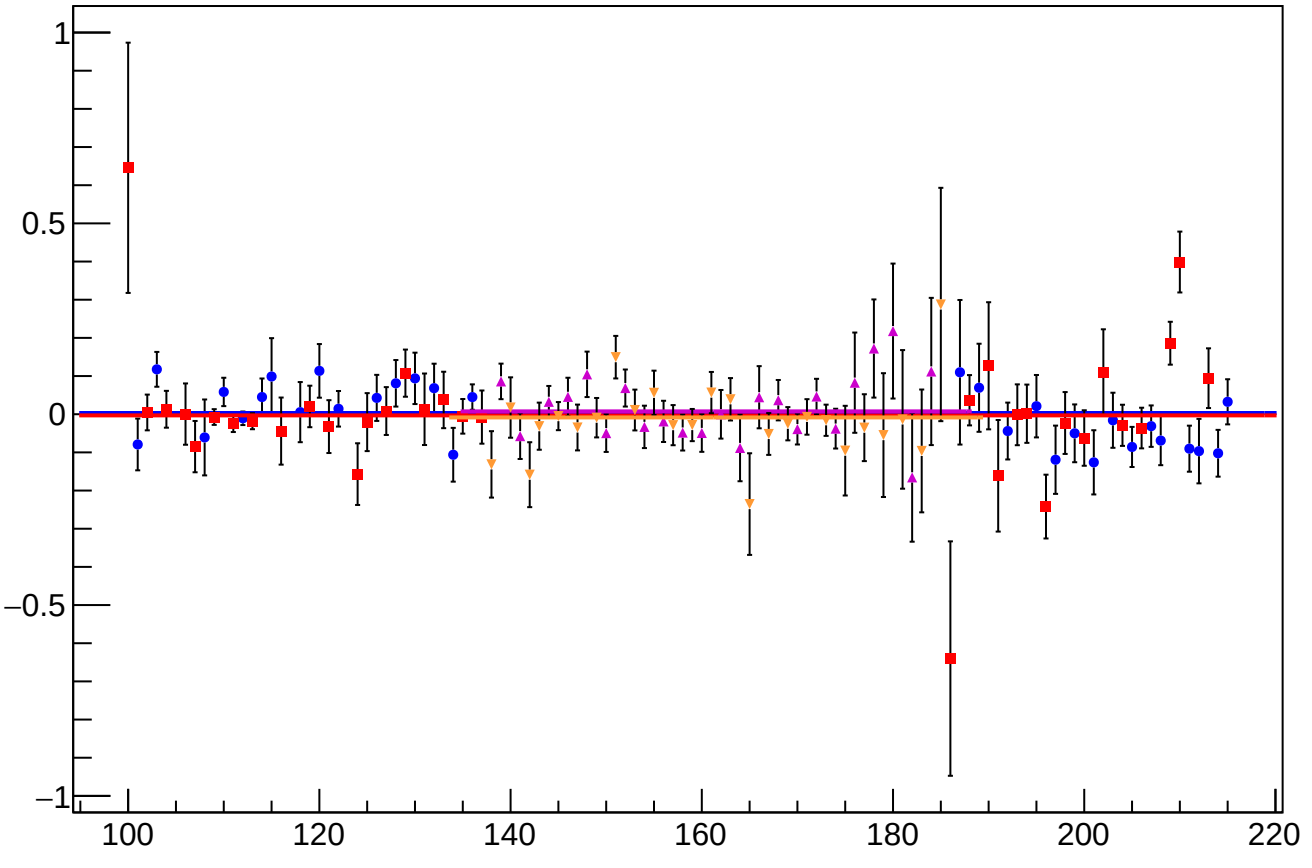
Right: 0.000+/-0.000 χ^2/NDF: 135.0/64

In: 0.000+/-0.000 χ^2/NDF:74.0/53

Out: -0.000+/-0.000 χ^2/NDF:158.7/58

All: -0.000+/-0.000 χ^2/NDF: 238.3/112


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: 5909597.5/30
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 8540235.5/33
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: 14600472.7/64
In: 0.002+/-0.000 χ²/NDF:10984492.0/53
Out: 0.001+/-0.000 χ²/NDF:33236408.8/58
All: 0.002+/-0.000 χ²/NDF: 51961690.2/112



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/30

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 70.1/33

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

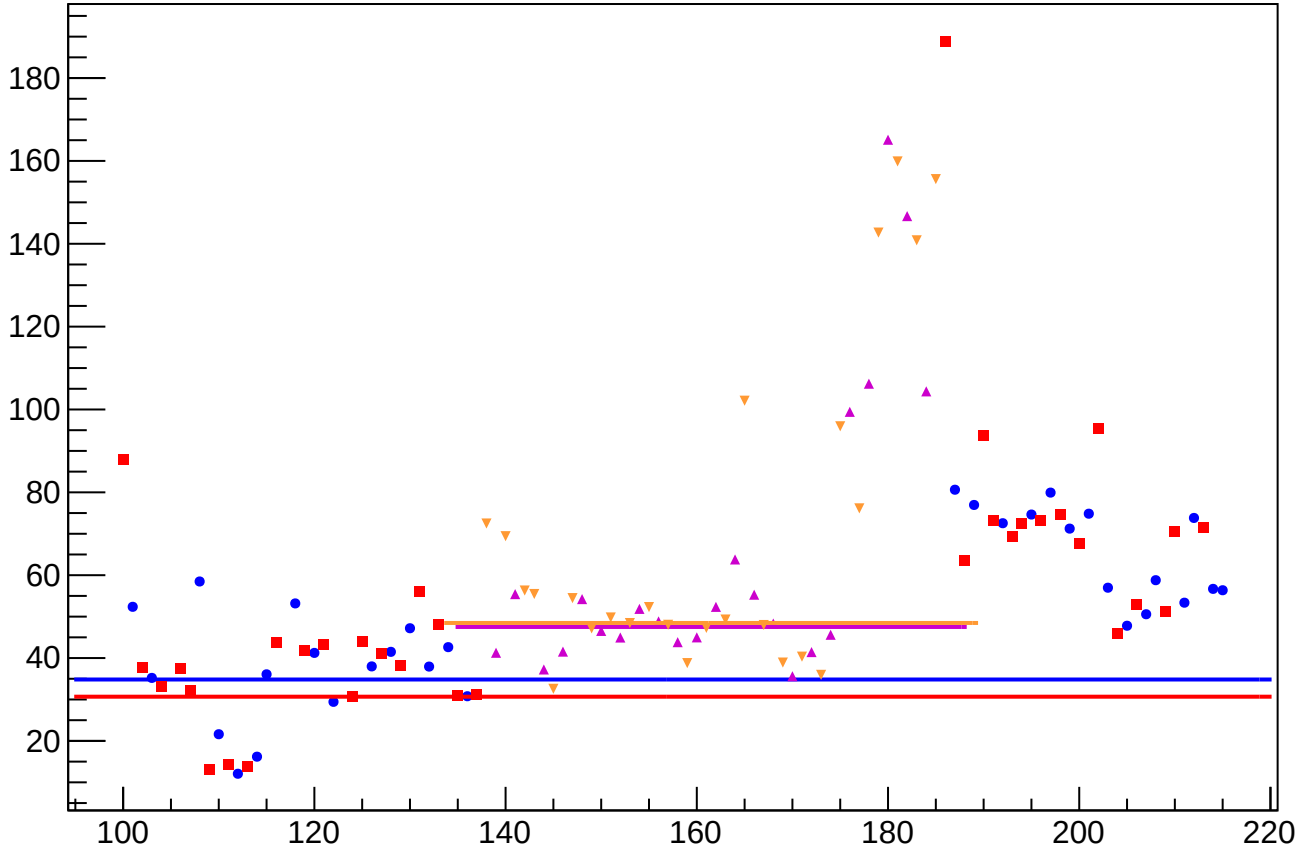
Right: -0.000+/-0.006 χ^2/NDF: 111.8/64

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: -0.000+/-0.005 χ^2/NDF: 159.1/112

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.822+/-0.007 χ^2/NDF: 9082371.3/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 30.673+/-0.006 χ^2/NDF: 11178534.2/33

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

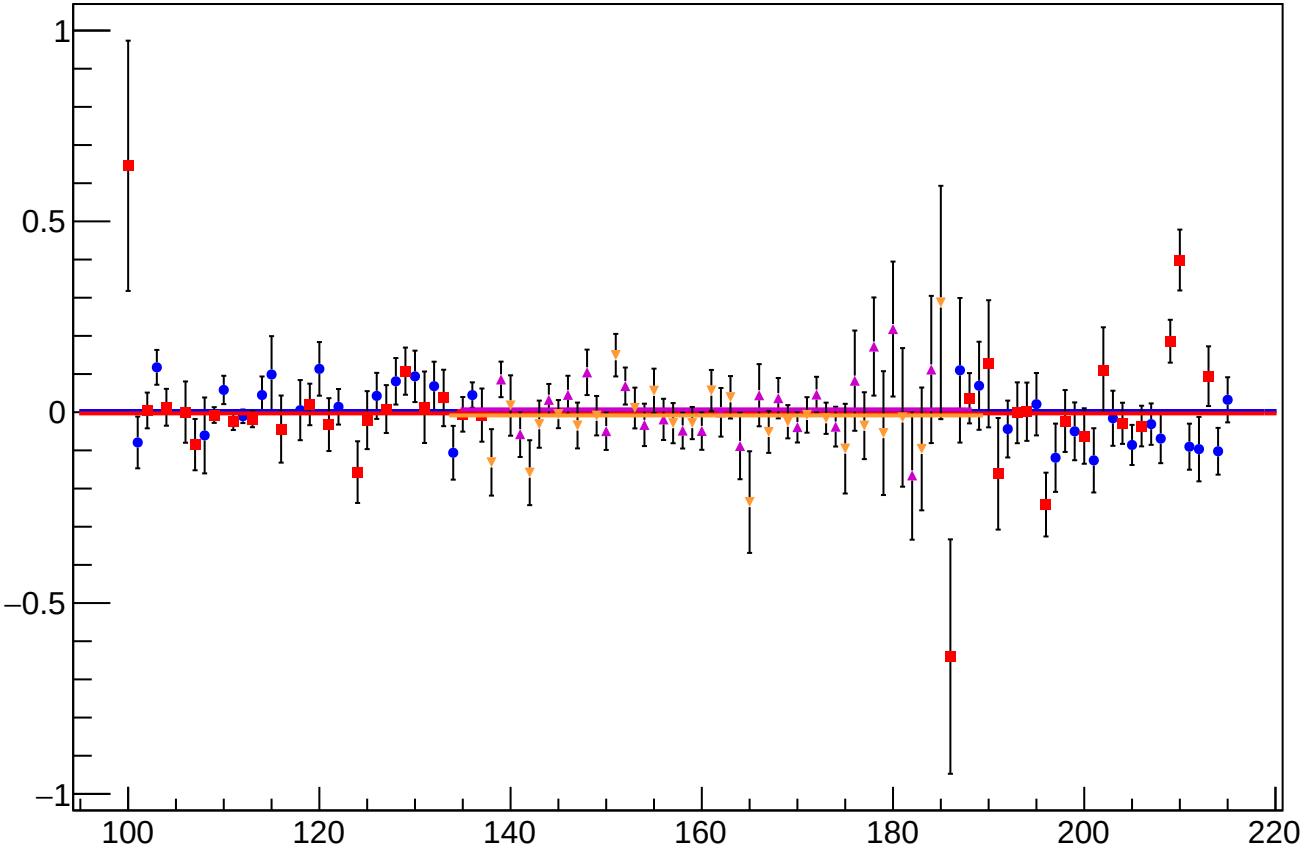
Right: 32.591+/-0.005 χ^2/NDF: 20467203.5/64

In: 39.677+/-0.005 χ^2/NDF:13529014.3/53

Out: 36.878+/-0.005 χ^2/NDF:18414911.4/58

All: 38.209+/-0.004 χ^2/NDF: 32092271.5/112

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/30

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.003+/-0.009 χ^2/NDF: 70.1/33

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

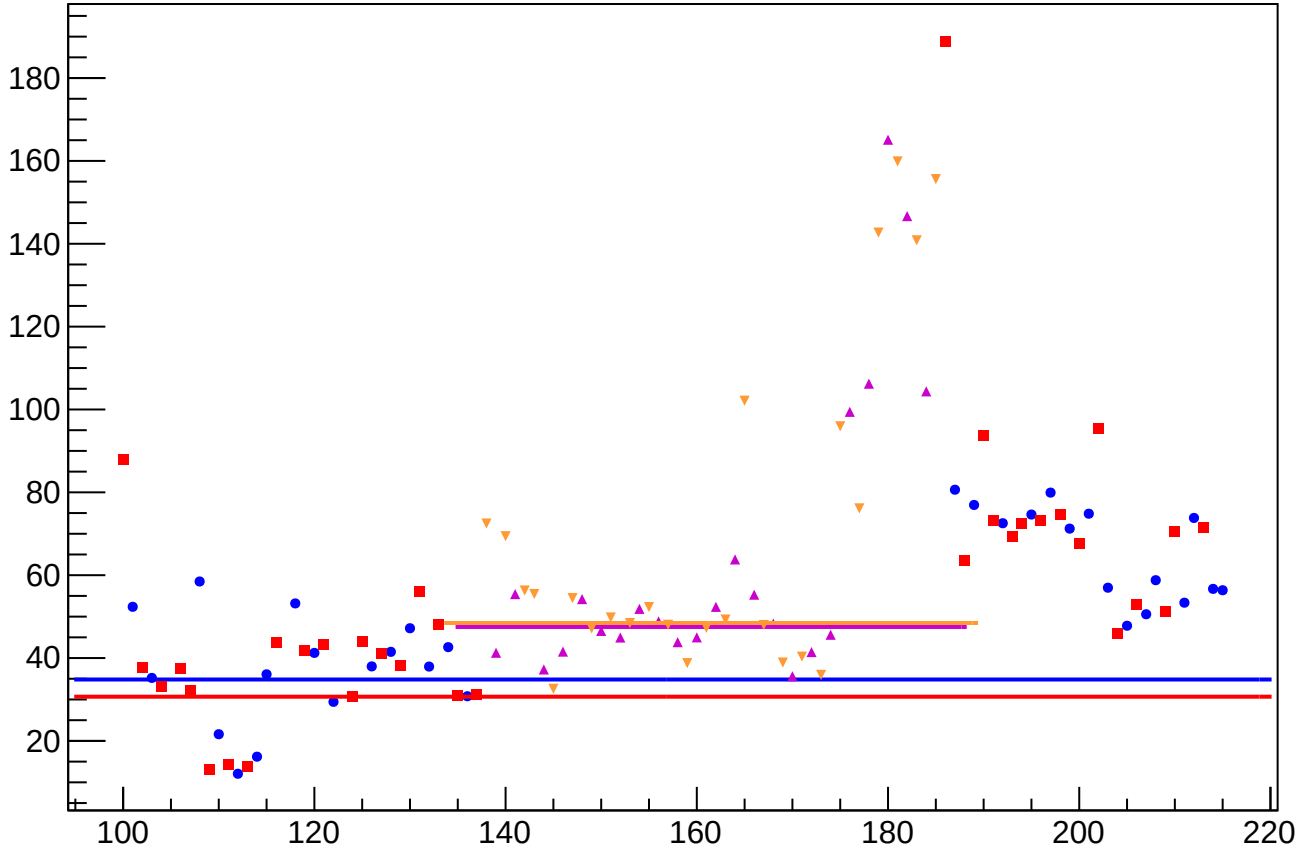
Right: -0.000+/-0.006 χ^2/NDF: 111.8/64

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: -0.005+/-0.007 χ^2/NDF:93.4/58

All: -0.000+/-0.005 χ^2/NDF: 159.1/112

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.822+/-0.007 χ^2/NDF: 9082371.3/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 30.673+/-0.006 χ^2/NDF: 11178534.2/33

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

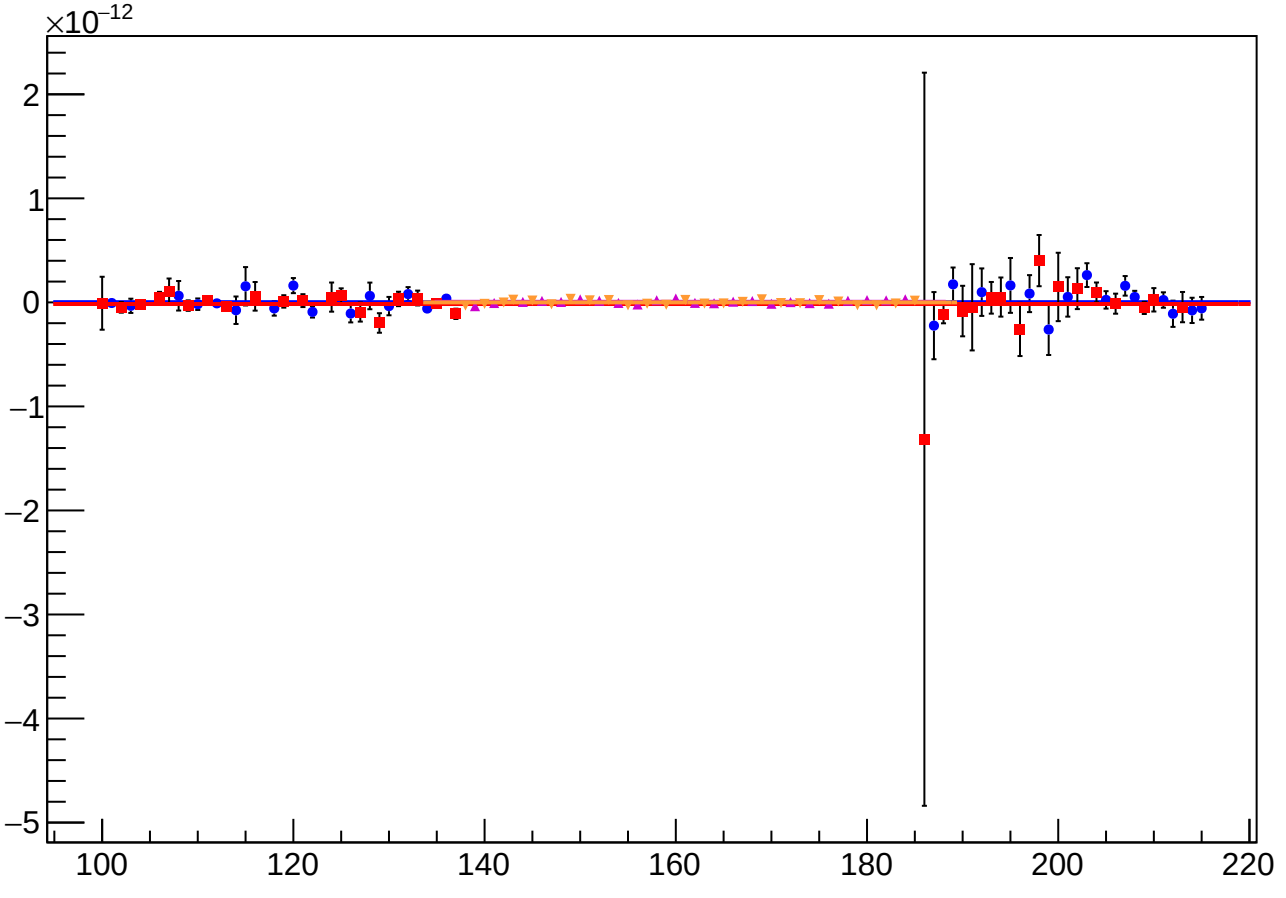
Right: 32.591+/-0.005 χ^2/NDF: 20467203.5/64

In: 39.677+/-0.005 χ^2/NDF:13529014.3/53

Out: 36.878+/-0.005 χ^2/NDF:18414911.4/58

All: 38.209+/-0.004 χ^2/NDF: 32092271.5/112

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/33

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

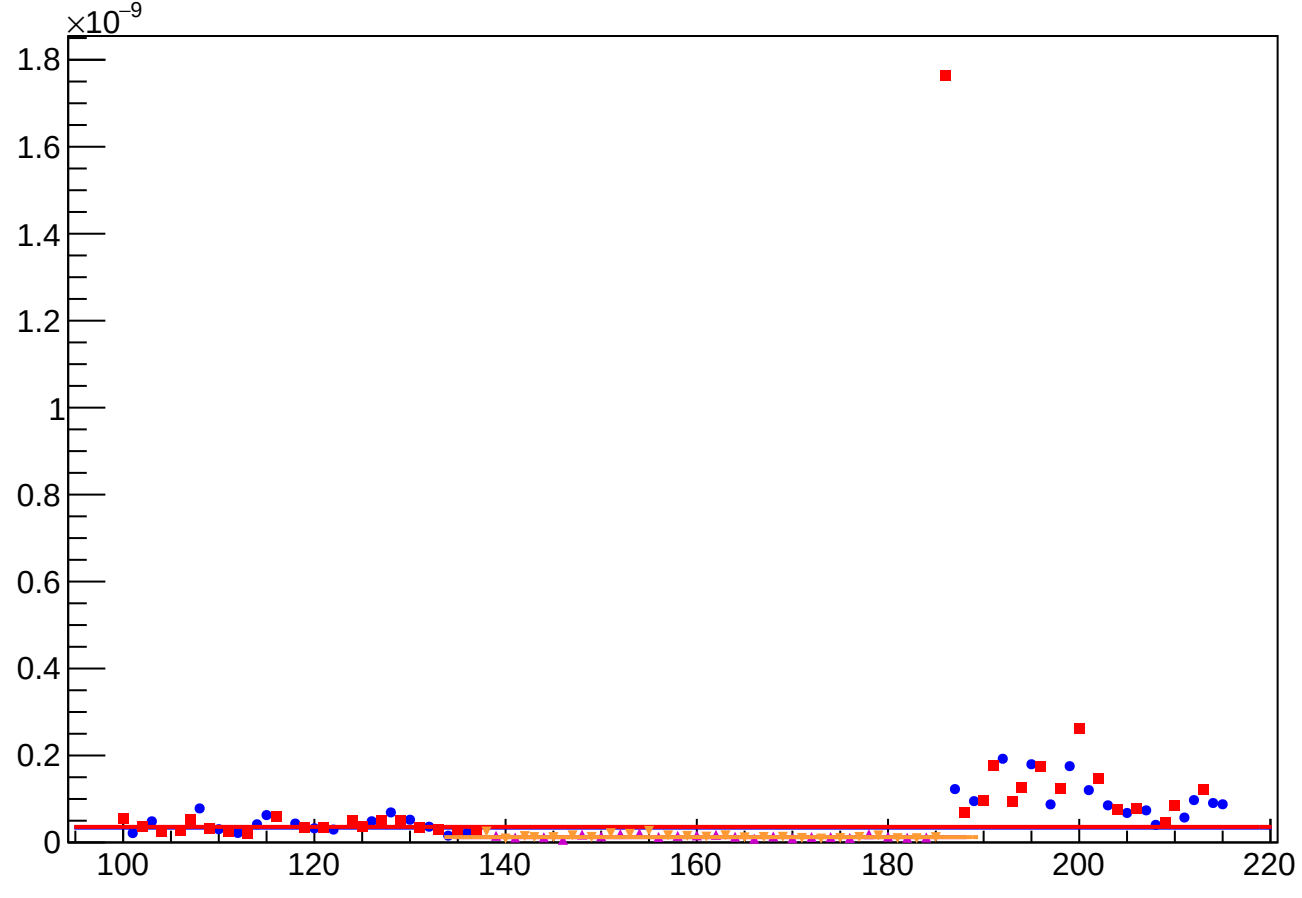
Right: -0.000+/-0.000 χ^2/NDF: 57.4/64

In: 0.000+/-0.000 χ^2/NDF:52.3/53

Out: -0.000+/-0.000 χ^2/NDF:56.1/58

All: 0.000+/-0.000 χ^2/NDF: 110.1/112

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8398240.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7637968.0/33

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

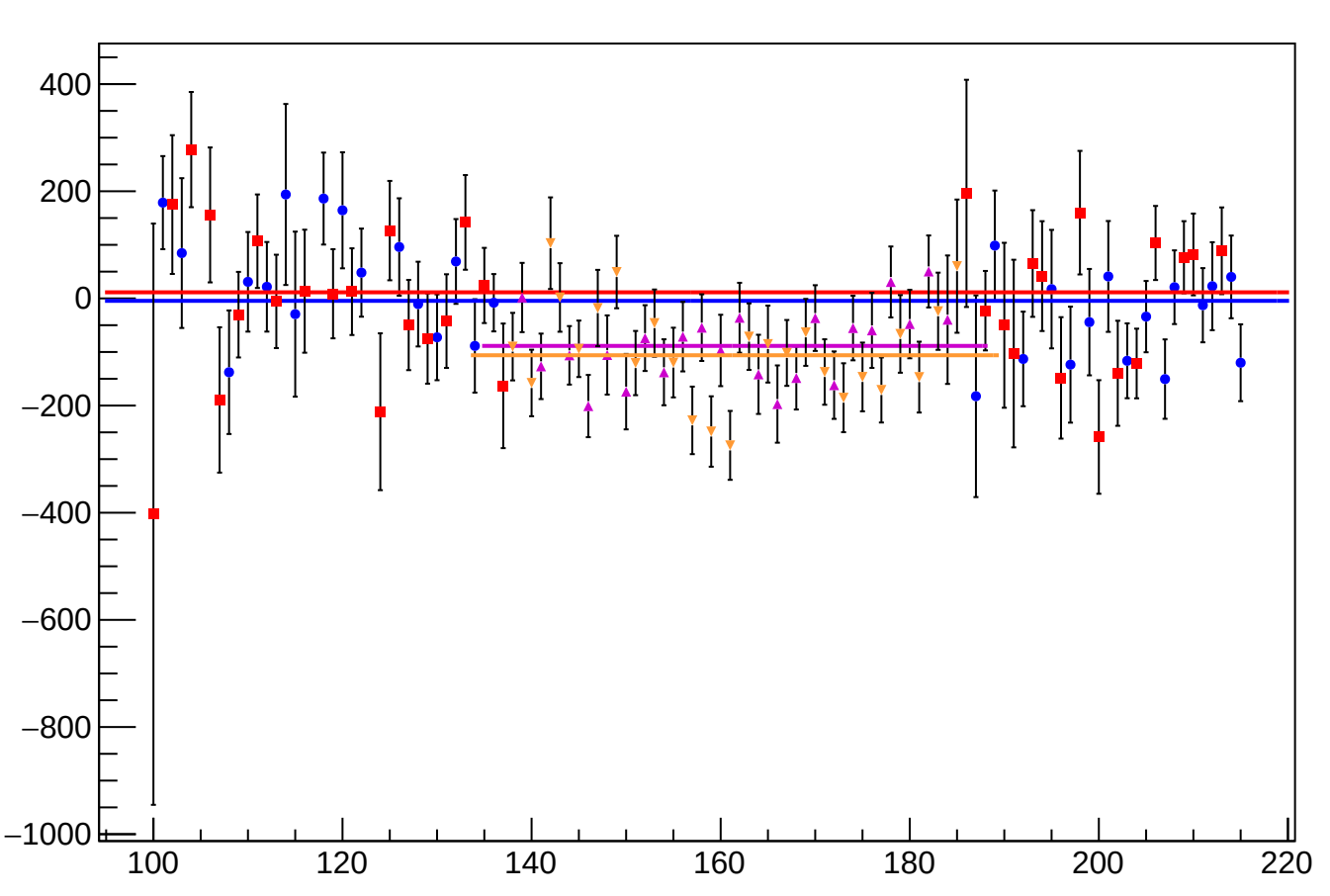
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 16058121.2/64

In: 0.000+/-0.000 χ^2/NDF:16729164.0/53

Out: 0.000+/-0.000 χ^2/NDF:16322889.3/58

All: 0.000+/-0.000 χ^2/NDF: 33052961.0/112



Right In: -4.532+/-15.435 χ^2/NDF: 34.2/30

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 11.390+/-16.111 χ^2/NDF: 46.7/33

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

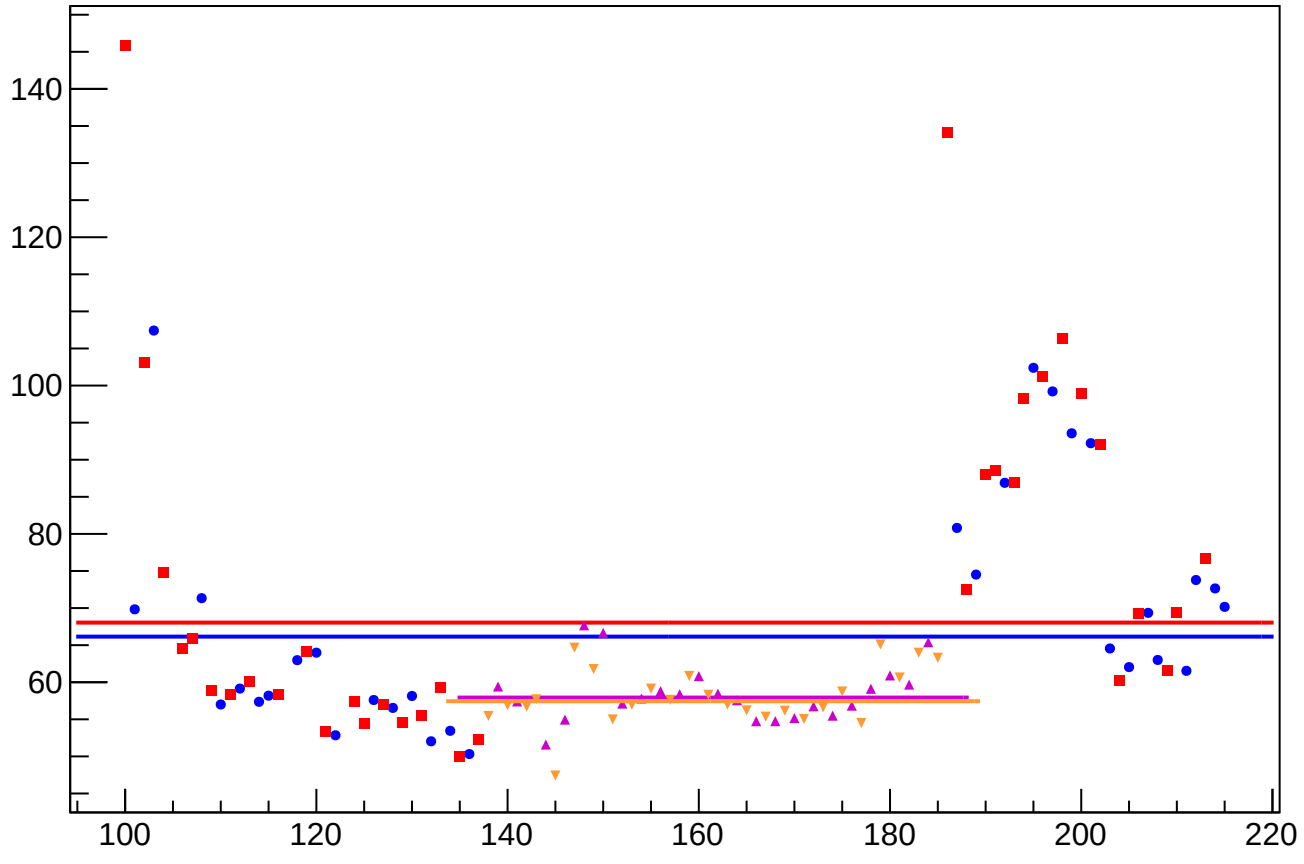
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 3.088+/-11.145 χ^2/NDF: 81.5/64

In: -51.970+/-10.190 χ^2/NDF:74.9/53

Out: -59.384+/-10.159 χ^2/NDF:119.4/58

All: -55.688+/-7.194 χ^2/NDF: 194.6/112



Right In: 66.151+/-0.011 χ^2/NDF: 1510165.6/30

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.043+/-0.011 χ^2/NDF: 1980858.5/33

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

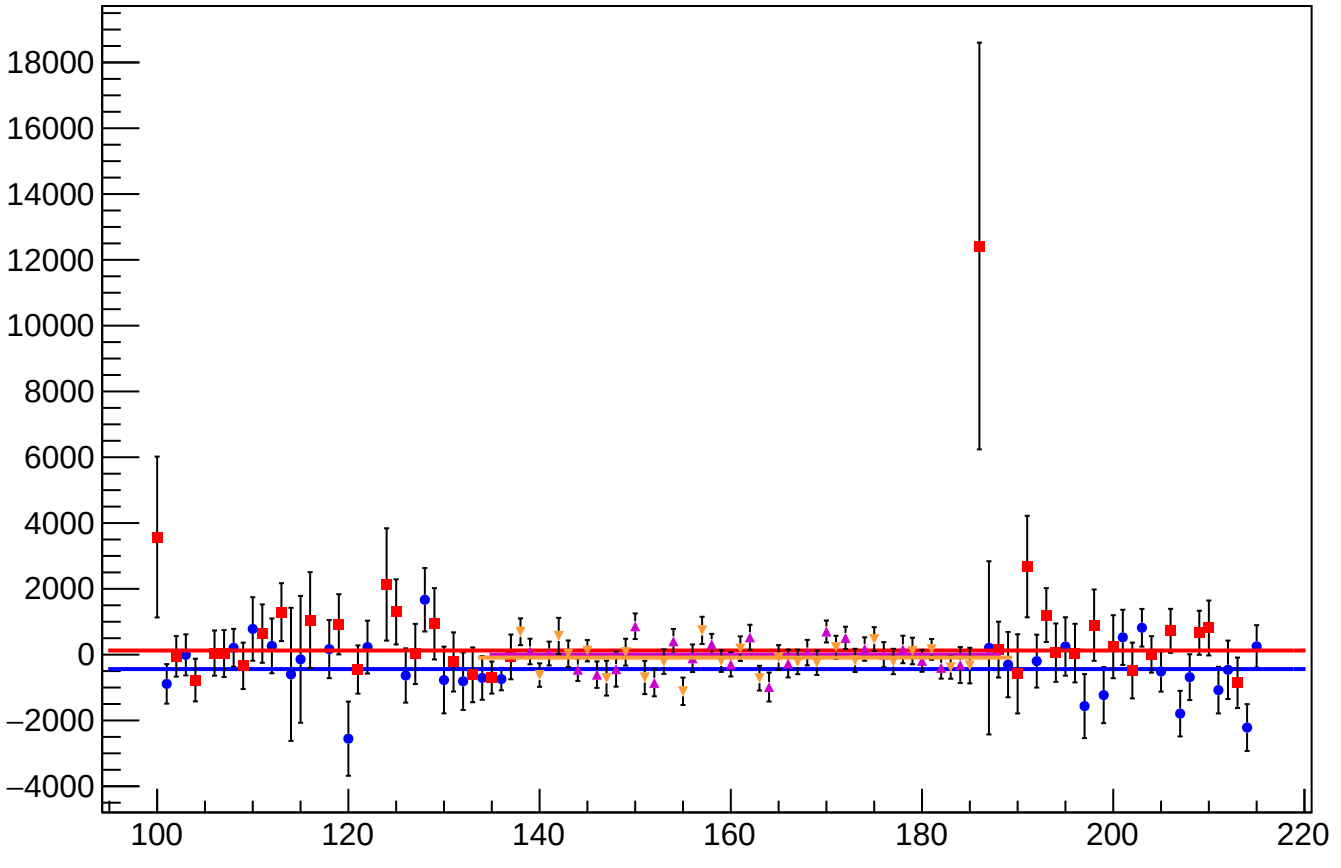
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 67.056+/-0.008 χ^2/NDF: 3505405.2/64

In: 61.515+/-0.007 χ^2/NDF:1965955.0/53

Out: 61.656+/-0.007 χ^2/NDF:2677205.6/58

All: 61.585+/-0.005 χ^2/NDF: 4643353.8/112



Right In: -438.717+/-133.614 χ^2/NDF: 36.7/30

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 126.060+/-140.593 χ^2/NDF: 29.2/33

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

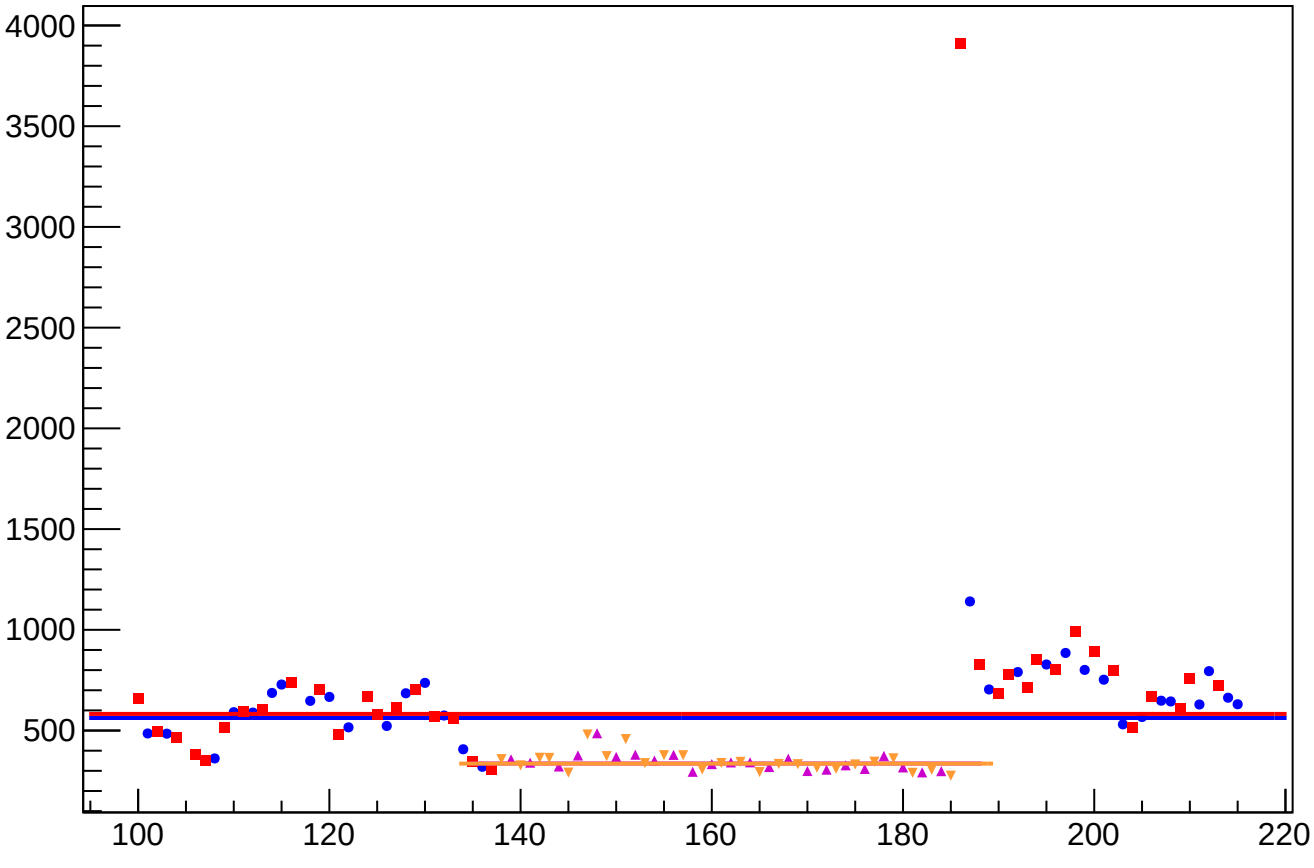
Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

Right: -170.696+/-96.853 χ^2/NDF: 74.4/64

In: -116.307+/-68.126 χ^2/NDF:78.1/53

Out: -39.411+/-67.542 χ^2/NDF:60.9/58

All: -77.528+/-47.965 χ^2/NDF: 139.7/112



Right In: 562.244+/-0.094 χ^2/NDF: 2826975.6/30

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 582.540+/-0.099 χ^2/NDF: 3437696.2/33

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

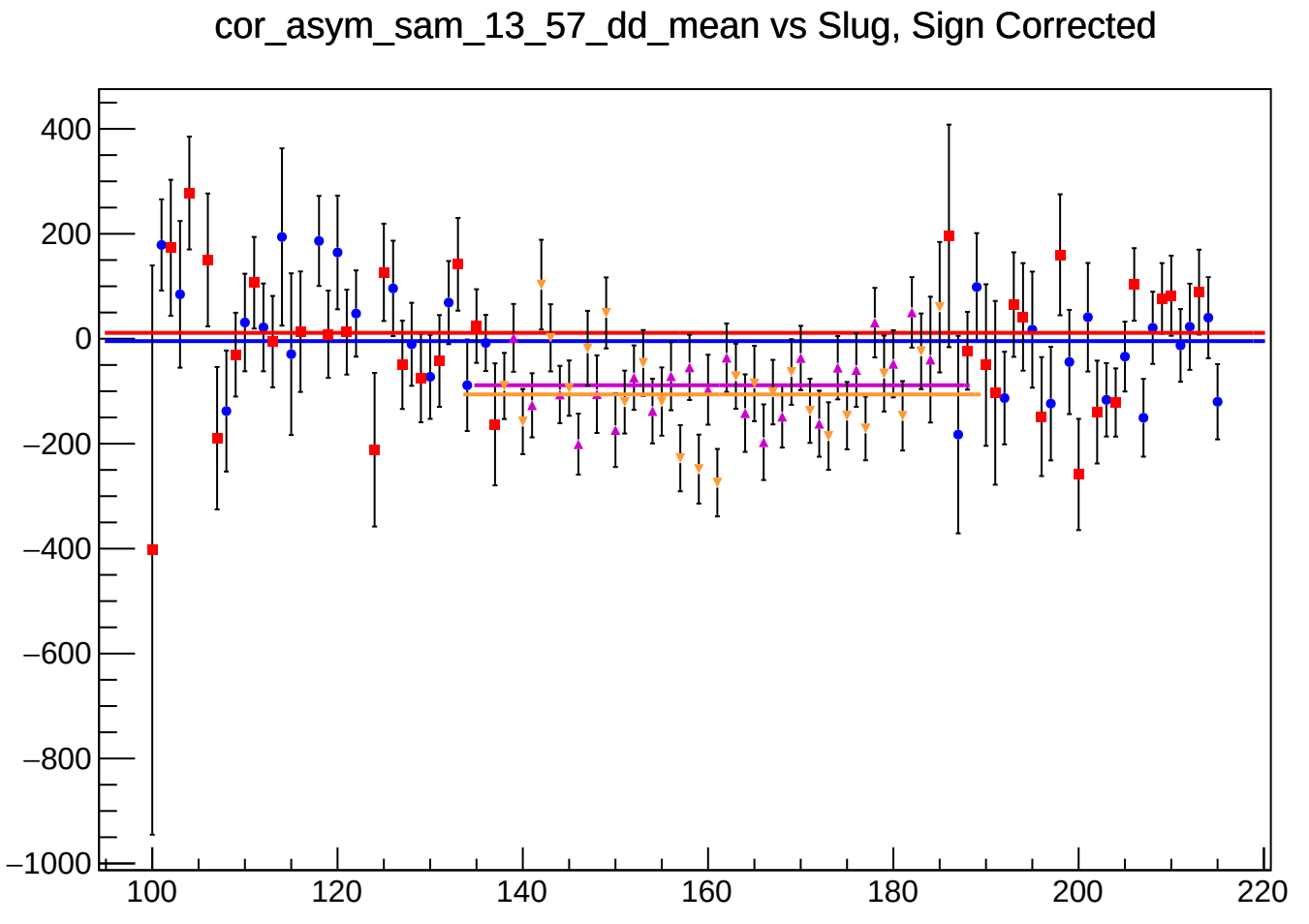
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 571.875+/-0.068 χ^2/NDF: 6286571.4/64

In: 395.071+/-0.048 χ^2/NDF:7471881.5/53

Out: 392.818+/-0.048 χ^2/NDF:8706195.1/58

All: 393.935+/-0.034 χ^2/NDF: 16179179.3/11



Right In: -4.536+/-15.435 χ^2/NDF: 34.2/30

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 11.242+/-16.112 χ^2/NDF: 46.6/33

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

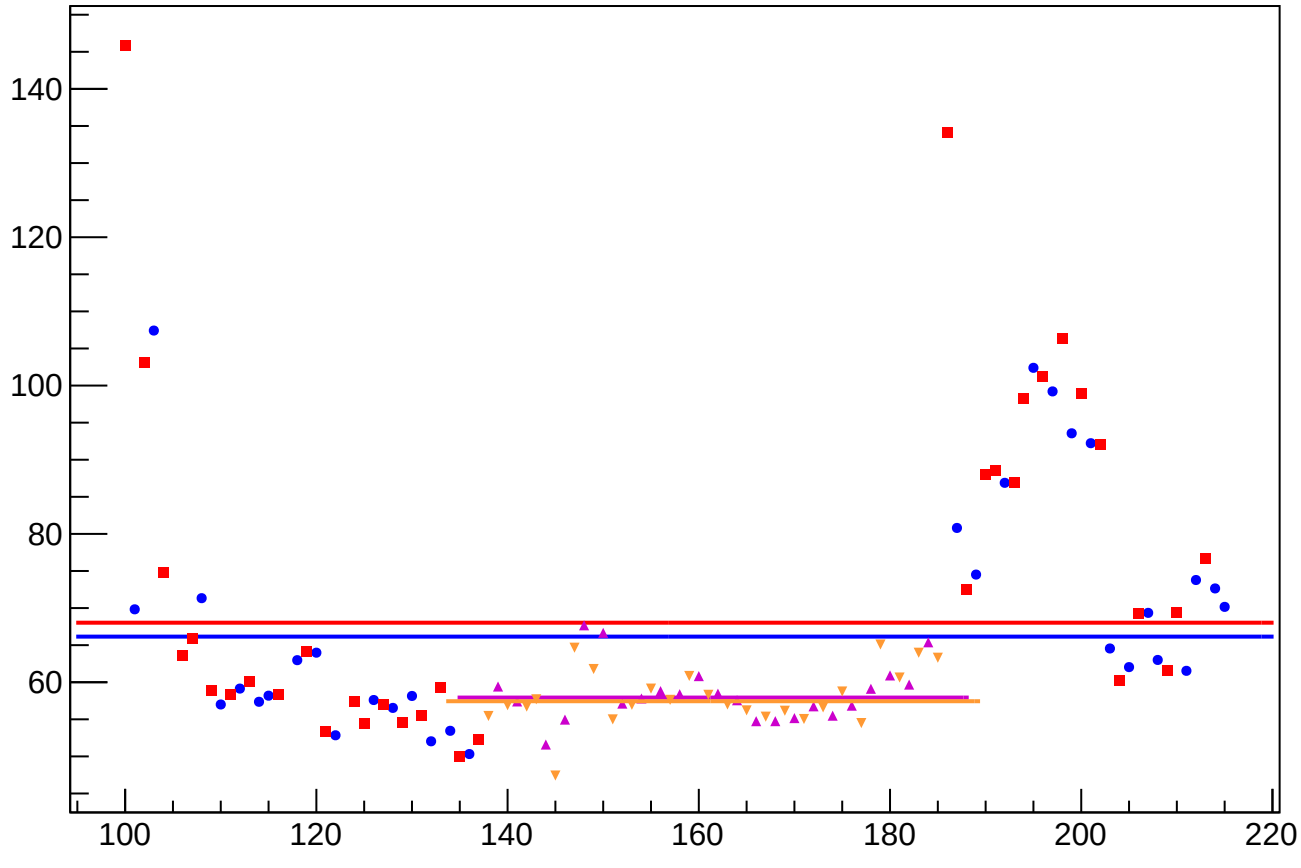
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 3.015+/-11.146 χ^2/NDF: 81.3/64

In: -51.973+/-10.190 χ^2/NDF:74.9/53

Out: -59.448+/-10.159 χ^2/NDF:119.2/58

All: -55.722+/-7.194 χ^2/NDF: 194.4/112



Right In: 66.151+/-0.011 χ^2/NDF: 1510167.6/30

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.028+/-0.011 χ^2/NDF: 1982022.9/33

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

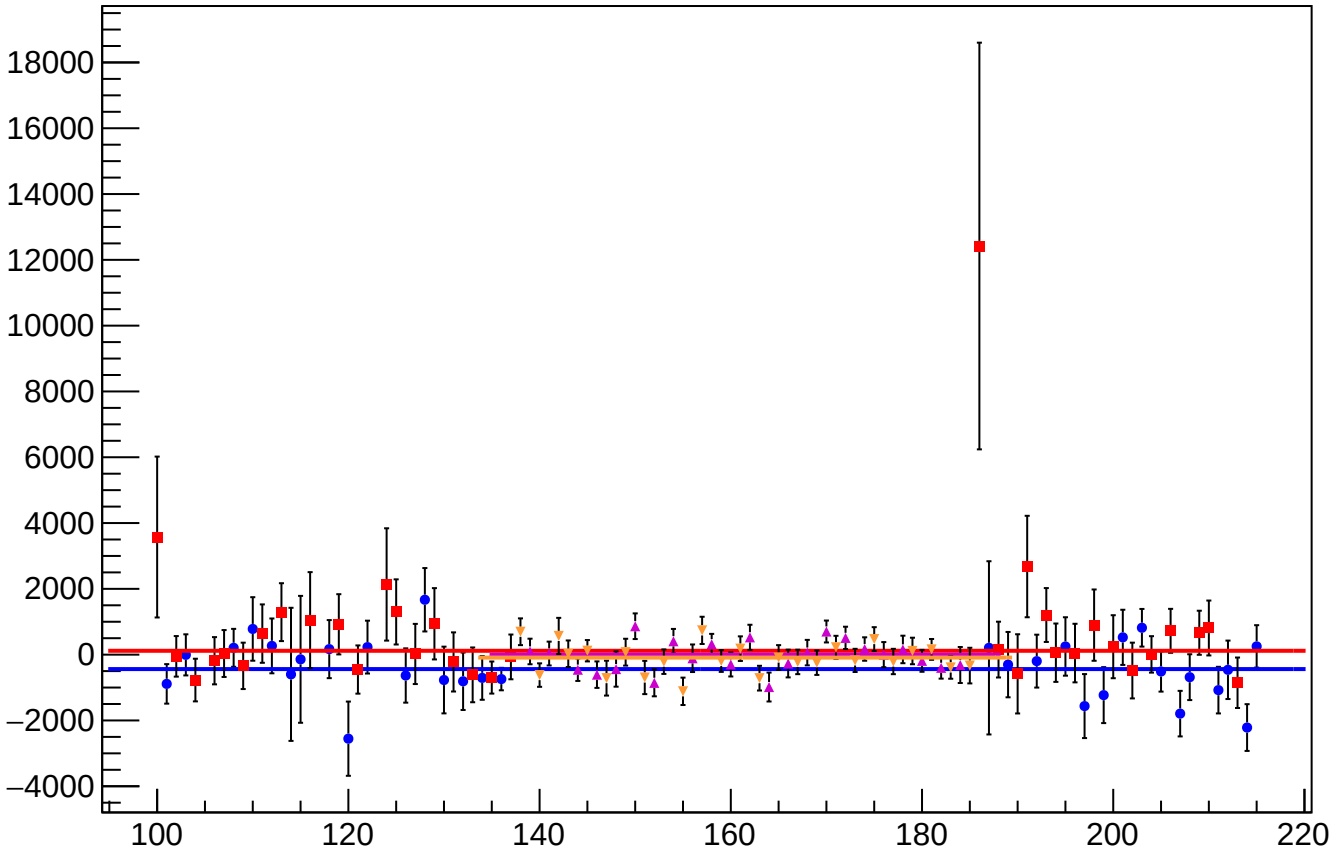
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 67.049+/-0.008 χ^2/NDF: 3506340.4/64

In: 61.515+/-0.007 χ^2/NDF:1965957.0/53

Out: 61.649+/-0.007 χ^2/NDF:2676817.2/58

All: 61.582+/-0.005 χ^2/NDF: 4642950.1/112



Right In: -438.701+/-133.614 χ^2/NDF: 36.7/30

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 117.396+/-140.849 χ^2/NDF: 29.4/33

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

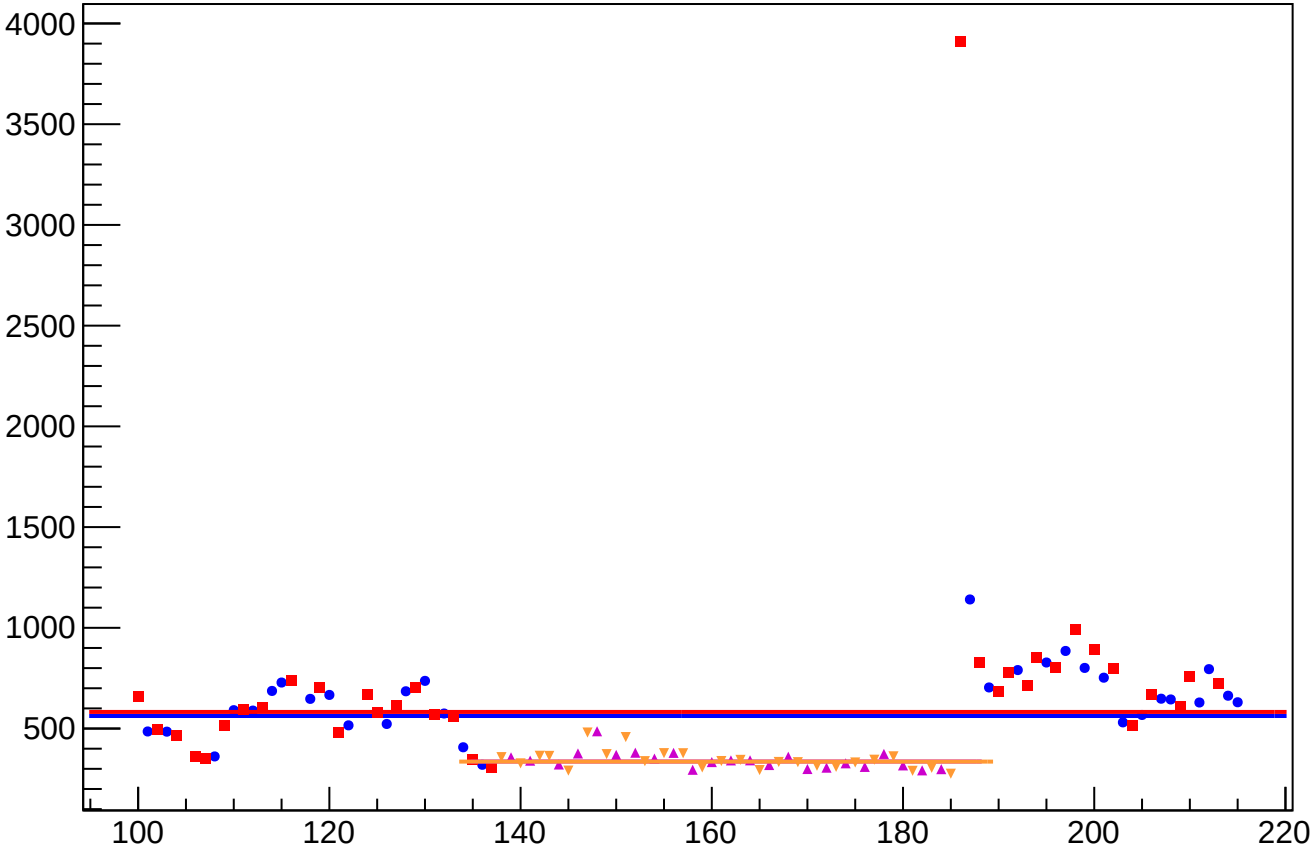
Right: -175.301+/-96.936 χ^2/NDF: 74.3/64

In: -116.304+/-68.126 χ^2/NDF:78.1/53

Out: -41.545+/-67.570 χ^2/NDF:60.9/58

All: -78.618+/-47.975 χ^2/NDF: 139.7/112

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 562.246+/-0.094 χ^2/NDF: 2826941.0/30

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.478+/-0.100 χ^2/NDF: 3457120.8/33

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

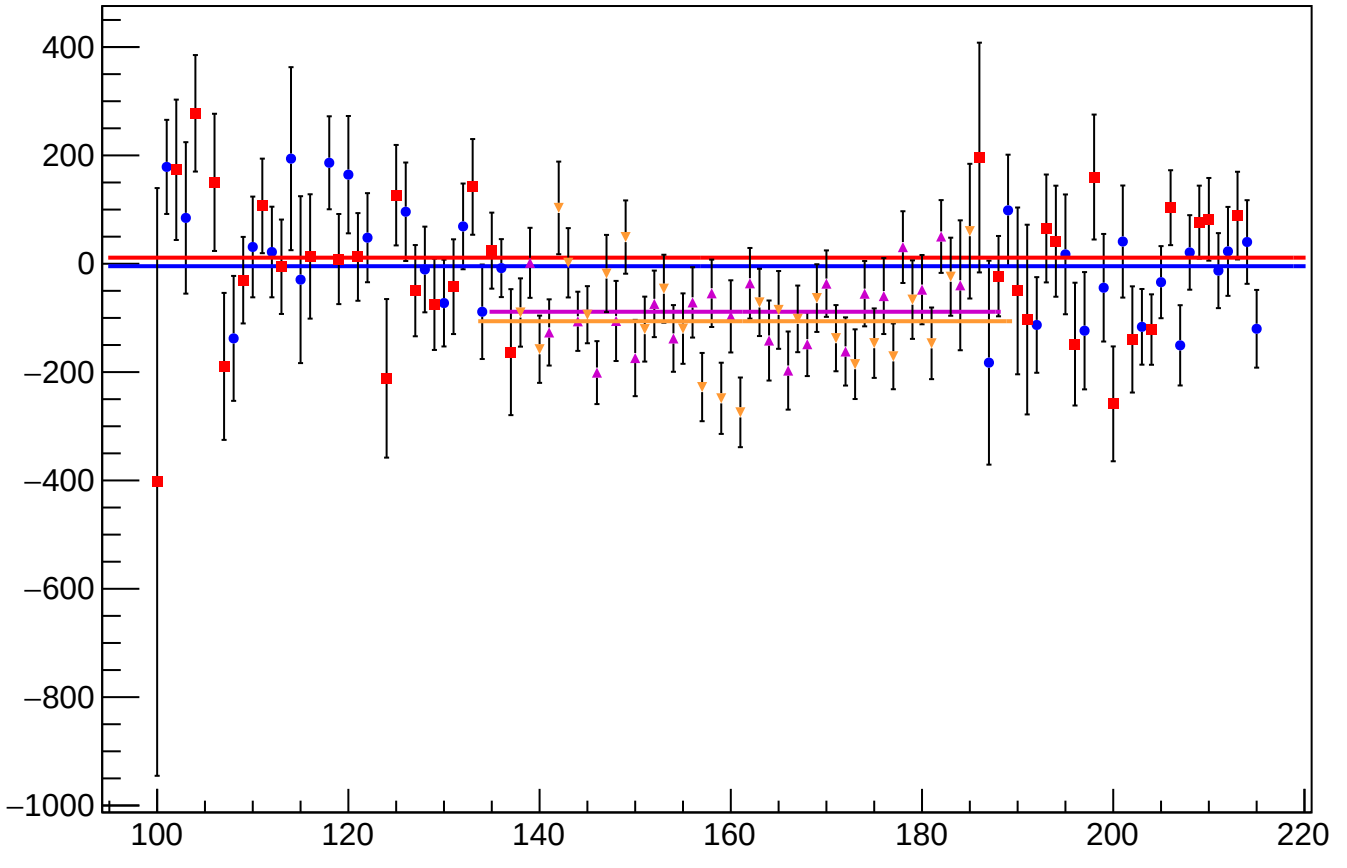
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 571.829+/-0.069 χ^2/NDF: 6305782.5/64

In: 395.071+/-0.048 χ^2/NDF:7471910.4/53

Out: 392.645+/-0.048 χ^2/NDF:8710051.4/58

All: 393.848+/-0.034 χ^2/NDF: 16183240.1/11



Right In: -4.536+/-15.435 χ^2/NDF: 34.2/30

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 11.242+/-16.112 χ^2/NDF: 46.6/33

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

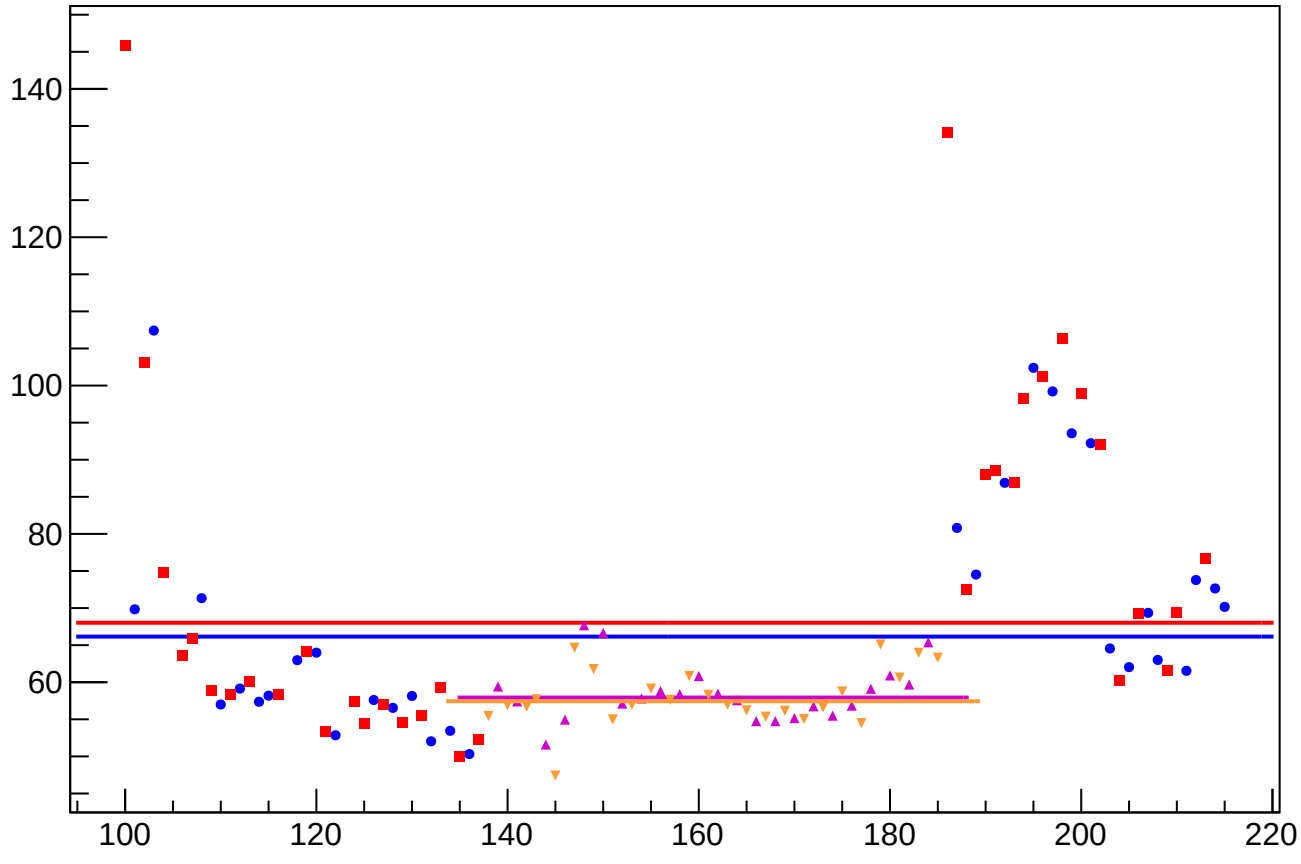
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 3.015+/-11.146 χ^2/NDF: 81.3/64

In: -51.973+/-10.190 χ^2/NDF:74.9/53

Out: -59.448+/-10.159 χ^2/NDF:119.2/58

All: -55.722+/-7.194 χ^2/NDF: 194.4/112



Right In: 66.151+/-0.011 χ^2/NDF: 1510167.6/30

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.028+/-0.011 χ^2/NDF: 1982022.9/33

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

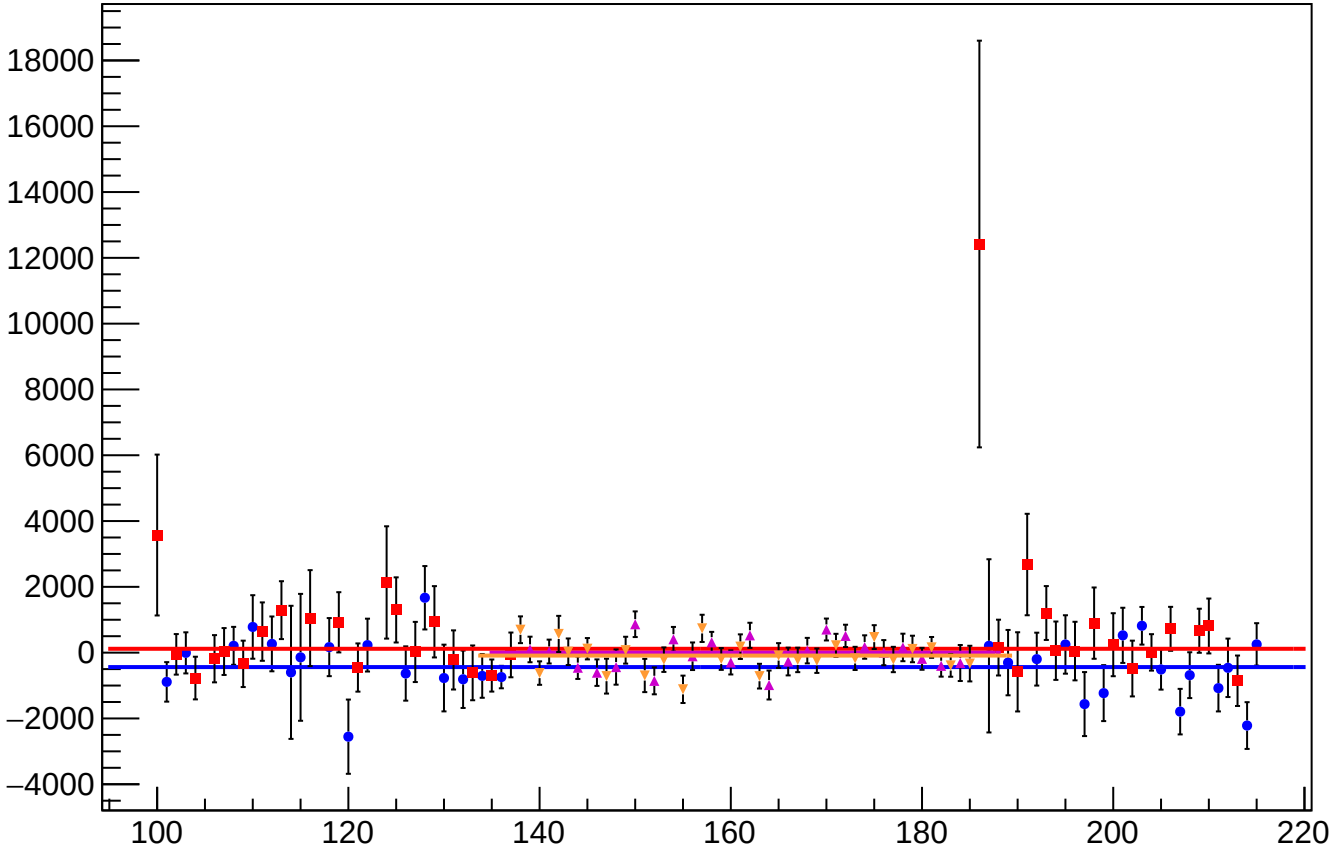
Right: 67.049+/-0.008 χ^2/NDF: 3506340.4/64

In: 61.515+/-0.007 χ^2/NDF:1965957.0/53

Out: 61.649+/-0.007 χ^2/NDF:2676817.2/58

All: 61.582+/-0.005 χ^2/NDF: 4642950.1/112

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -438.701+/-133.614 χ^2/NDF: 36.7/30

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 117.396+/-140.849 χ^2/NDF: 29.4/33

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

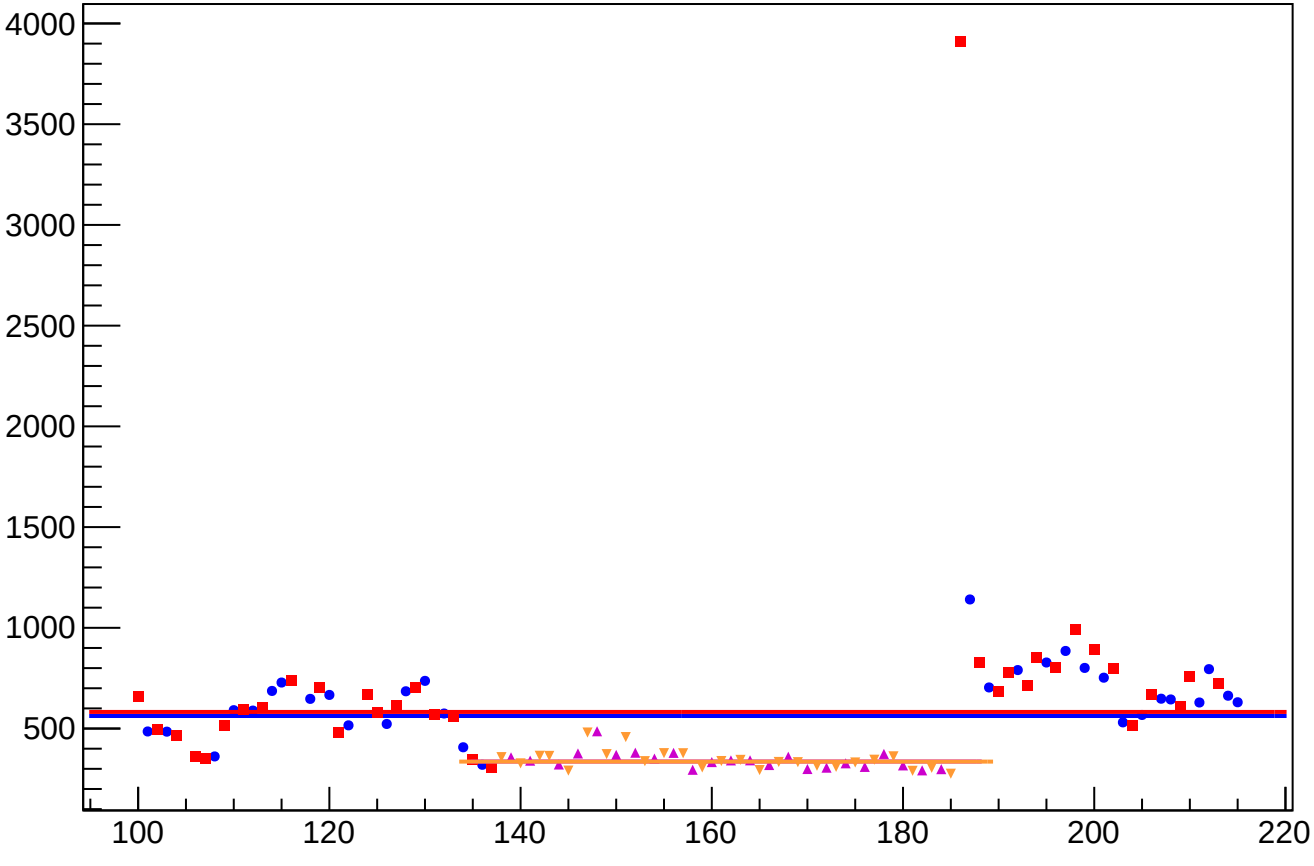
Right: -175.301+/-96.936 χ^2/NDF: 74.3/64

In: -116.304+/-68.126 χ^2/NDF:78.1/53

Out: -41.545+/-67.570 χ^2/NDF:60.9/58

All: -78.618+/-47.975 χ^2/NDF: 139.7/112

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 562.246+/-0.094 χ^2/NDF: 2826941.0/30

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.478+/-0.100 χ^2/NDF: 3457120.8/33

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

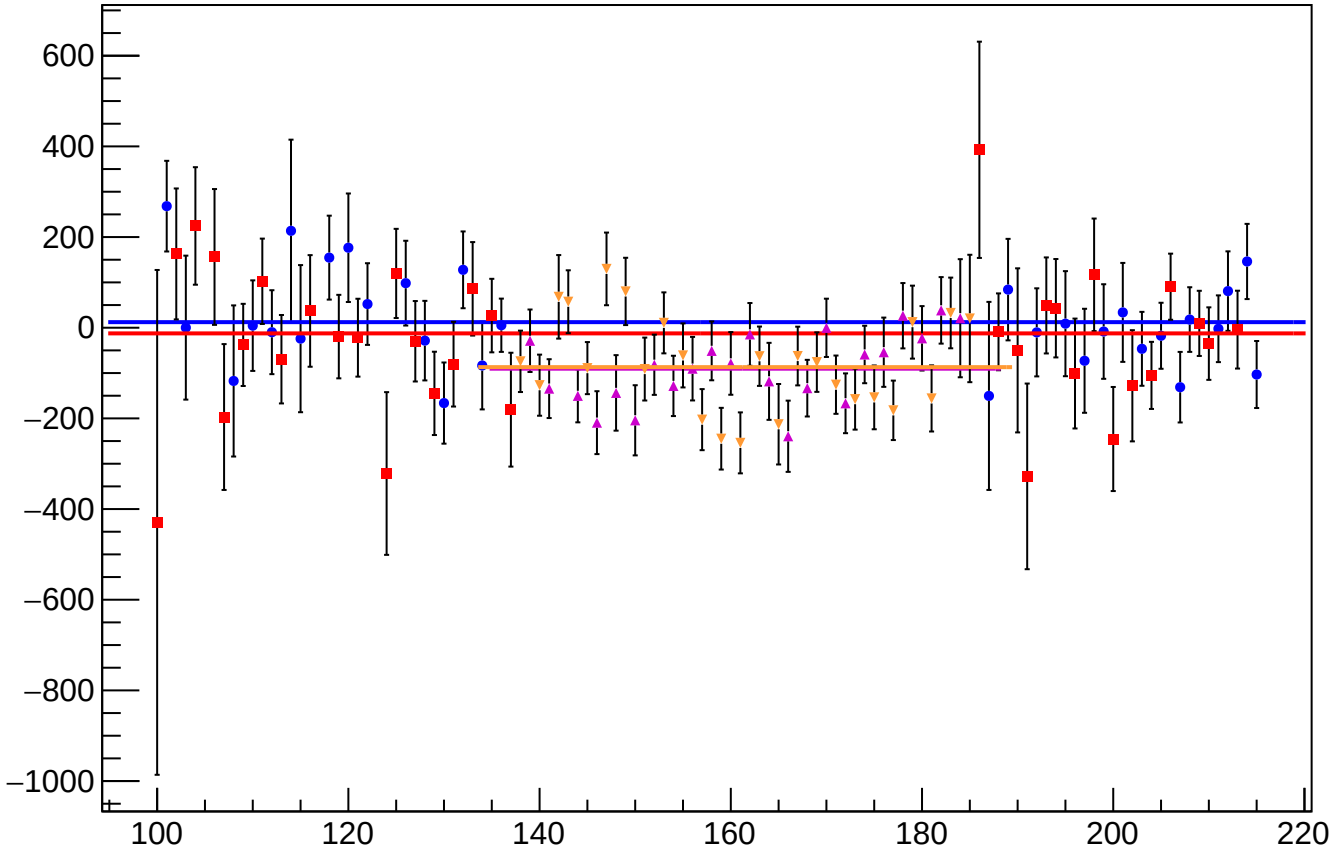
Right: 571.829+/-0.069 χ^2/NDF: 6305782.5/64

In: 395.071+/-0.048 χ^2/NDF:7471910.4/53

Out: 392.645+/-0.048 χ^2/NDF:8710051.4/58

All: 393.848+/-0.034 χ^2/NDF: 16183240.1/11

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 12.305+/-16.786 χ^2/NDF: 32.1/30

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -12.493+/-17.751 χ^2/NDF: 36.7/33

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

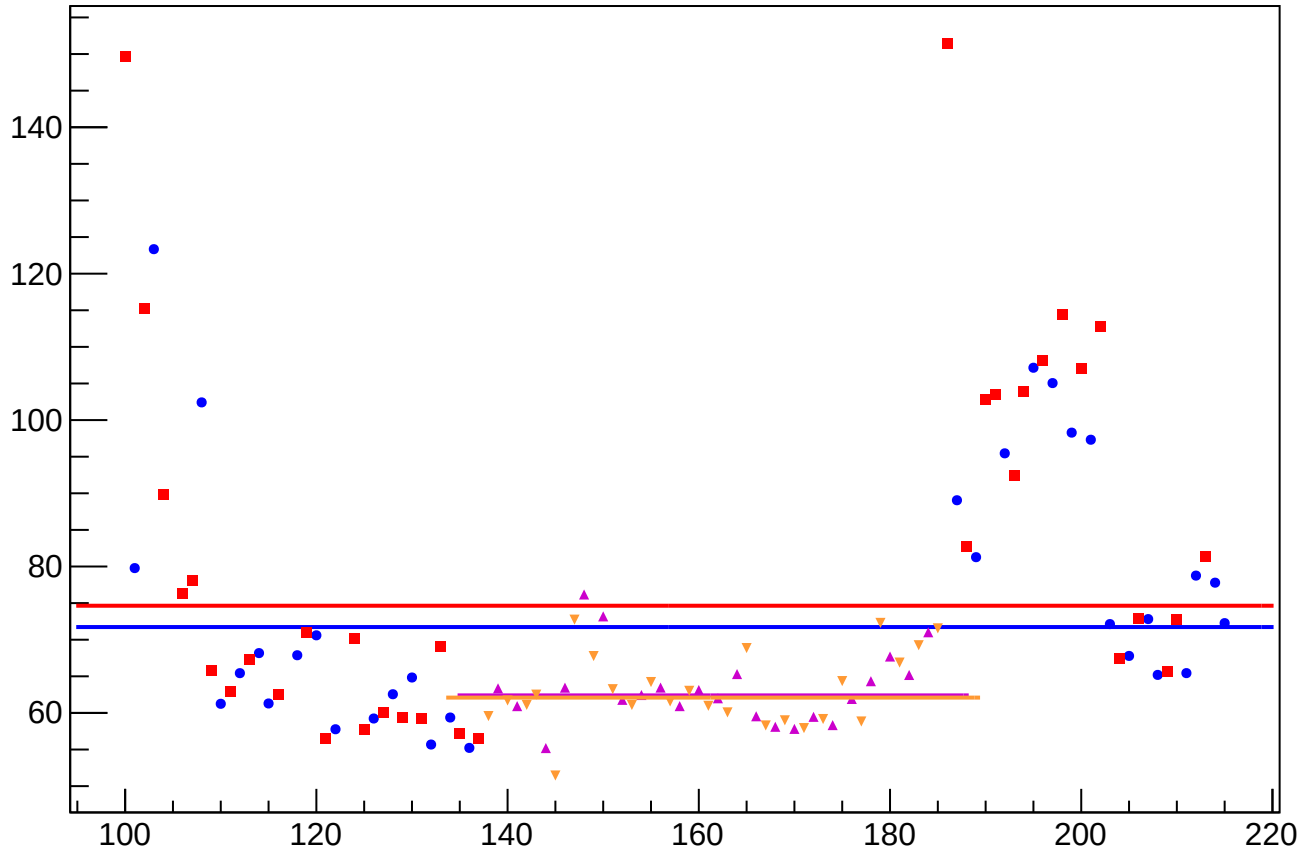
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 0.598+/-12.196 χ^2/NDF: 69.8/64

In: -45.950+/-11.040 χ^2/NDF:78.4/53

Out: -57.962+/-11.076 χ^2/NDF:96.2/58

All: -51.937+/-7.819 χ^2/NDF: 175.2/112



Right In: 71.730+/-0.012 χ^2/NDF: 1519926.1/30

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 74.642+/-0.013 χ^2/NDF: 2052804.0/33

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

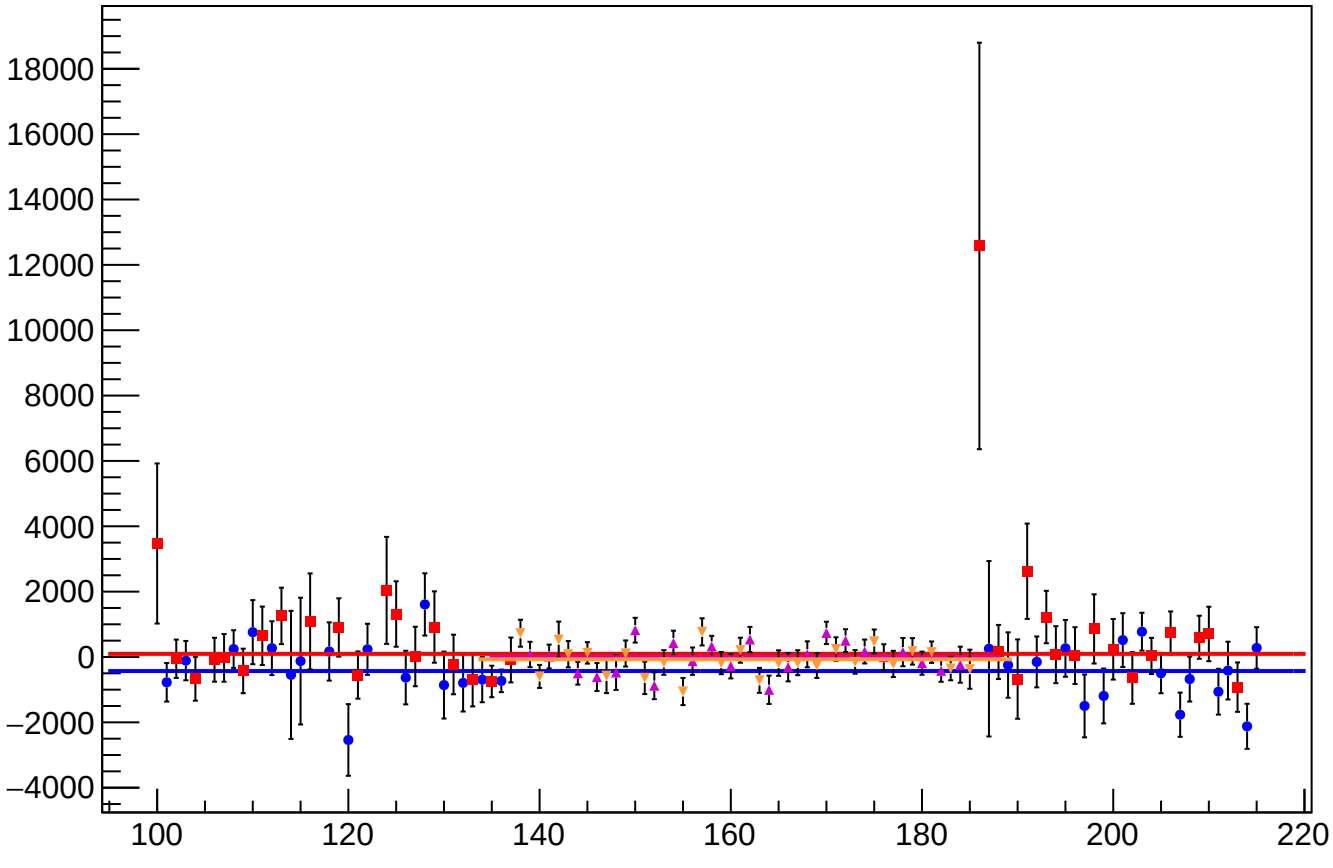
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 73.105+/-0.009 χ^2/NDF: 3601135.8/64

In: 66.433+/-0.008 χ^2/NDF:2059719.8/53

Out: 66.979+/-0.008 χ^2/NDF:2896475.6/58

All: 66.705+/-0.006 χ^2/NDF: 4958632.6/112



Right In: -430.195+/-132.850 χ^2/NDF: 35.6/30

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 95.657+/-138.840 χ^2/NDF: 30.6/33

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

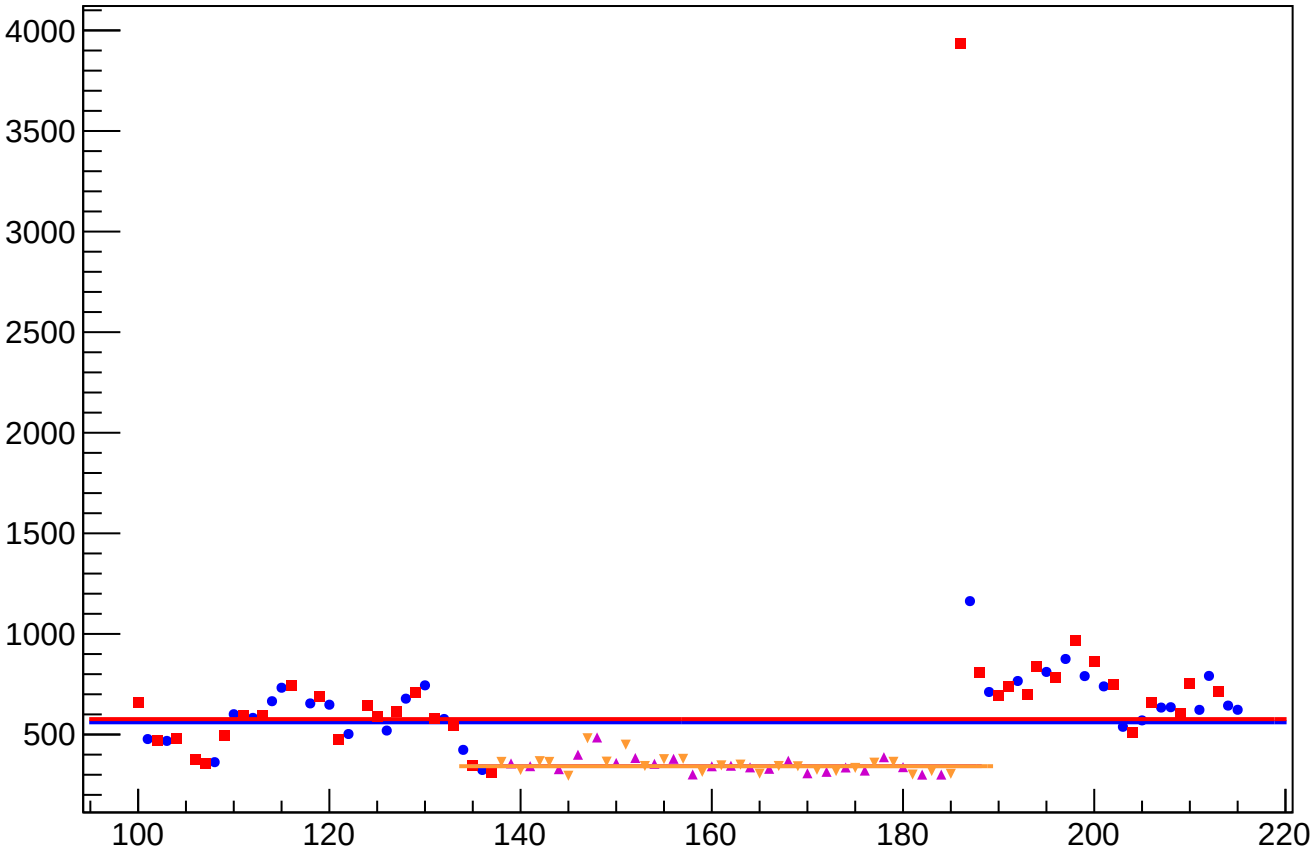
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -178.857+/-95.987 χ^2/NDF: 73.8/64

In: -120.559+/-69.009 χ^2/NDF:77.1/53

Out: -30.954+/-68.267 χ^2/NDF:60.3/58

All: -75.272+/-48.532 χ^2/NDF: 138.2/112



Right In: 560.701+/-0.094 χ^2/NDF: 2677911.5/30

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 576.560+/-0.098 χ^2/NDF: 3300071.7/33

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

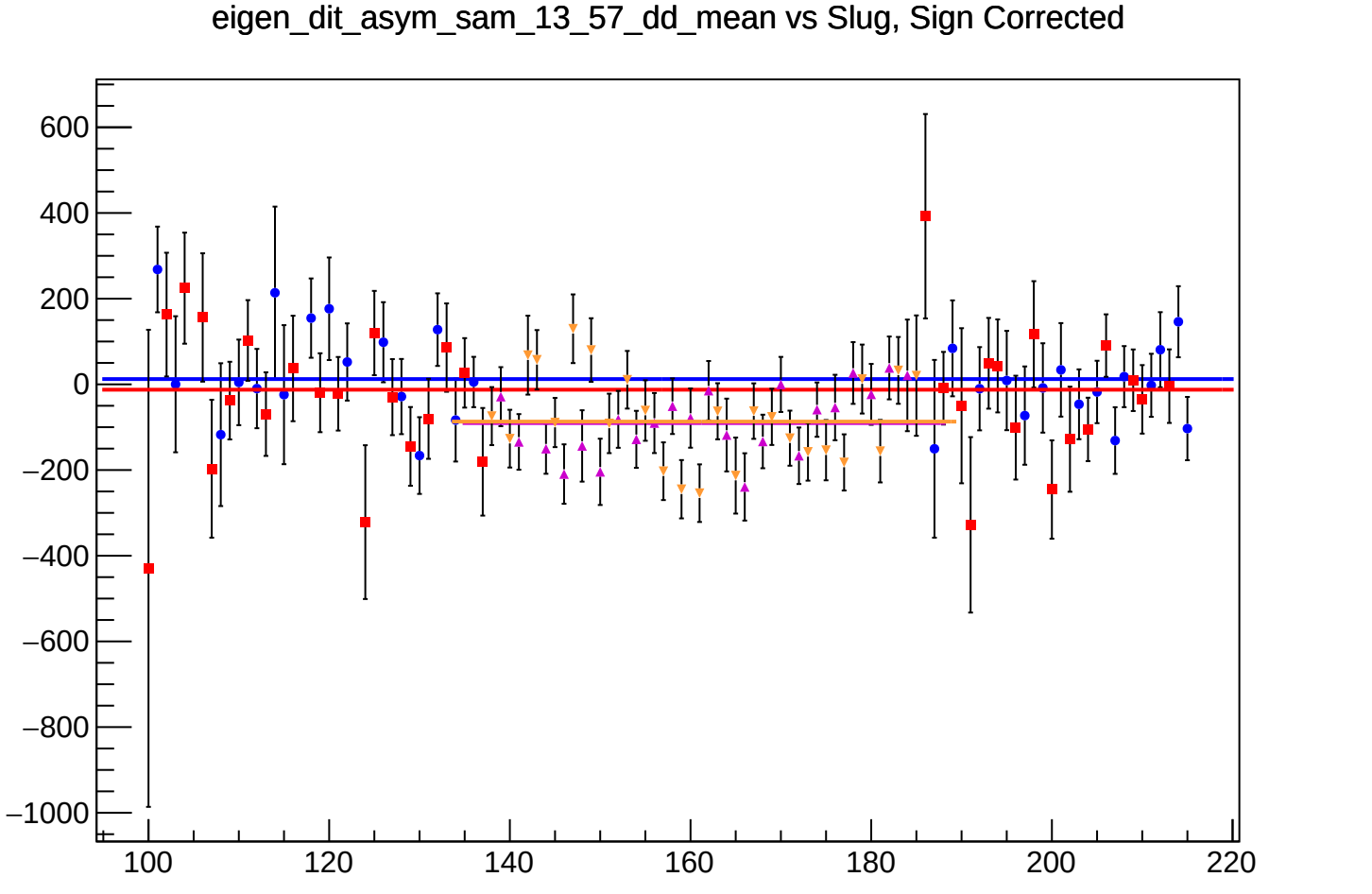
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 568.281+/-0.068 χ^2/NDF: 5991605.1/64

In: 401.921+/-0.049 χ^2/NDF:6963583.6/53

Out: 399.090+/-0.048 χ^2/NDF:8043996.2/58

All: 400.490+/-0.034 χ^2/NDF: 15009281.2/11



Right In: 12.306+/-16.786 χ^2/NDF: 32.1/30

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -12.494+/-17.751 χ^2/NDF: 36.7/33

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

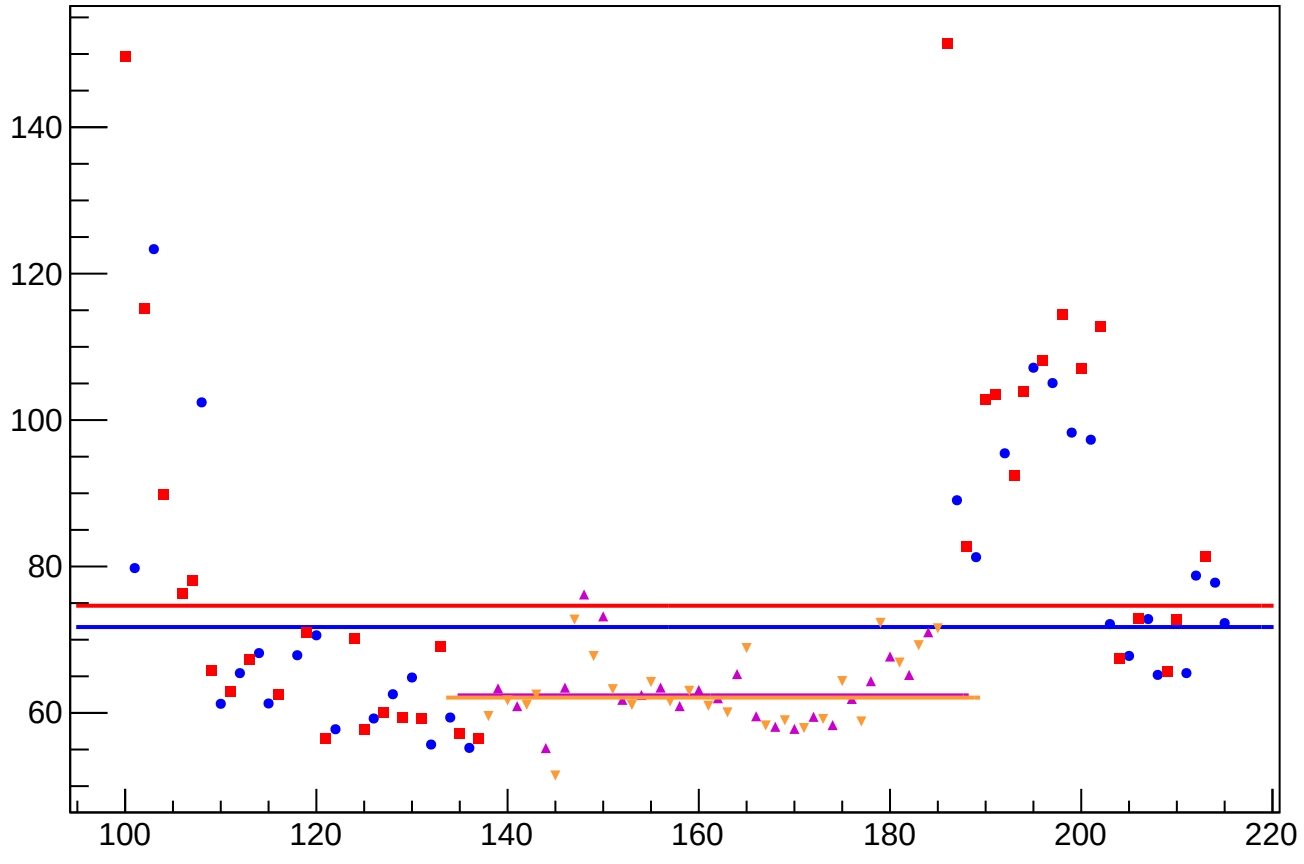
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 0.599+/-12.196 χ^2/NDF: 69.8/64

In: -45.949+/-11.040 χ^2/NDF:78.4/53

Out: -57.962+/-11.076 χ^2/NDF:96.2/58

All: -51.936+/-7.819 χ^2/NDF: 175.2/112



Right In: 71.730+/-0.012 χ^2/NDF: 1519948.7/30

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 74.642+/-0.013 χ^2/NDF: 2052807.3/33

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

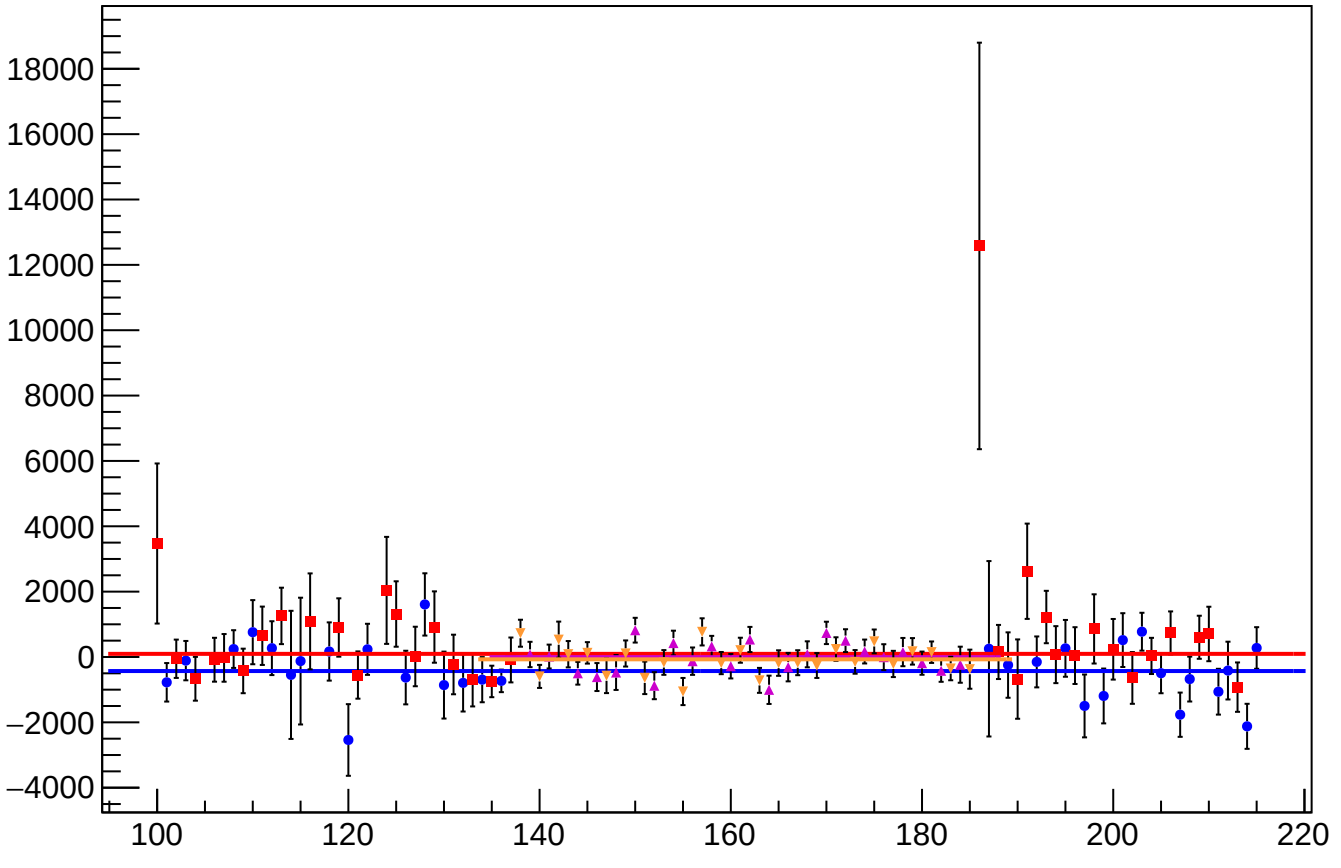
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 73.105+/-0.009 χ^2/NDF: 3601161.2/64

In: 66.433+/-0.008 χ^2/NDF:2059741.5/53

Out: 66.979+/-0.008 χ^2/NDF:2896478.7/58

All: 66.705+/-0.006 χ^2/NDF: 4958657.2/112



Right In: -430.195+/-132.850 χ^2/NDF: 35.6/30

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 95.656+/-138.840 χ^2/NDF: 30.6/33

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

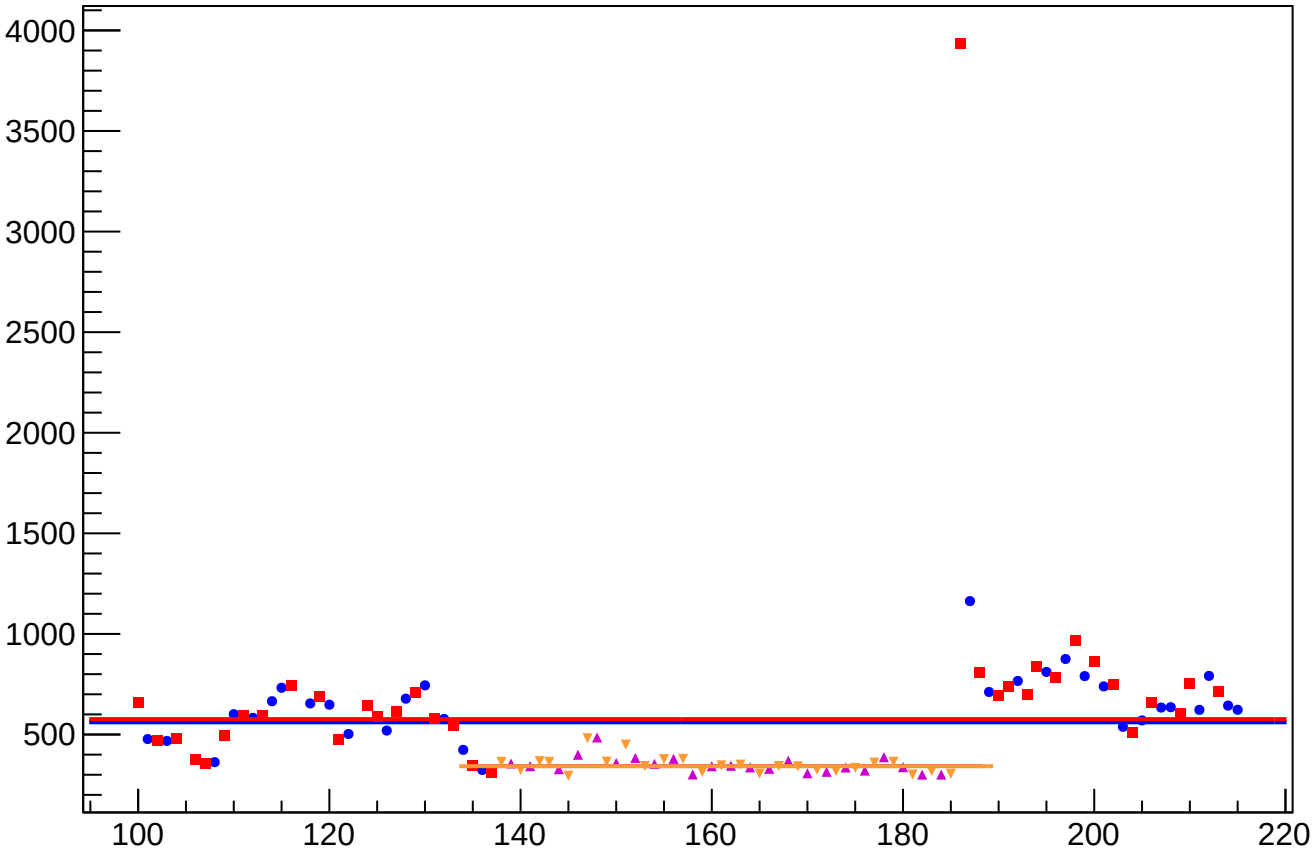
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -178.857+/-95.987 χ^2/NDF: 73.8/64

In: -120.560+/-69.009 χ^2/NDF:77.1/53

Out: -30.953+/-68.267 χ^2/NDF:60.3/58

All: -75.272+/-48.532 χ^2/NDF: 138.2/112



Right In: 560.700+/-0.094 χ^2/NDF: 2677914.9/30

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 576.559+/-0.098 χ^2/NDF: 3300077.7/33

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

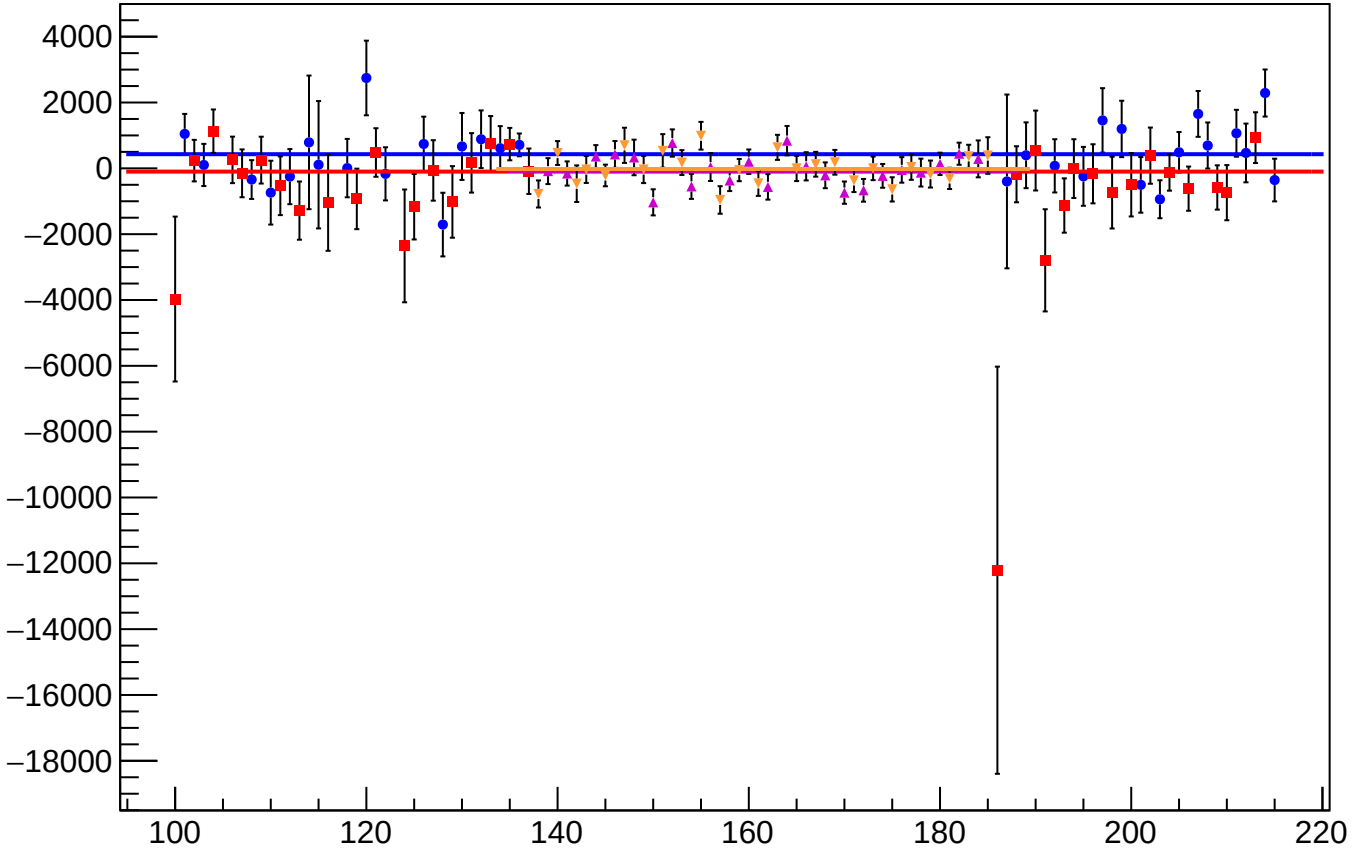
Right: 568.280+/-0.068 χ^2/NDF: 5991614.3/64

In: 401.921+/-0.049 χ^2/NDF:6963566.8/53

Out: 399.090+/-0.048 χ^2/NDF:8043984.1/58

All: 400.490+/-0.034 χ^2/NDF: 15009252.5/11

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 429.645+/-134.830 χ^2/NDF: 38.1/30

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -99.233+/-141.939 χ^2/NDF: 31.2/33

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

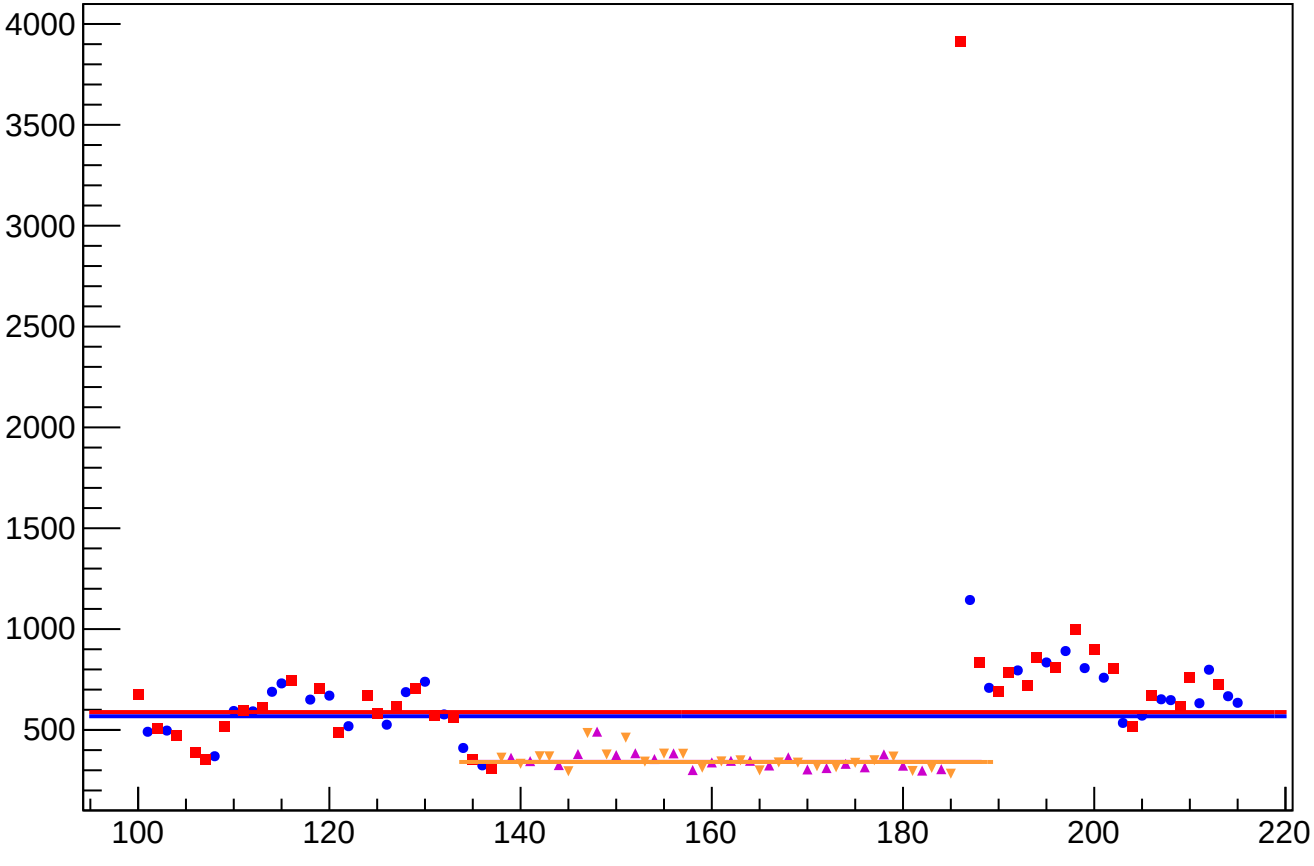
Right: 178.782+/-97.756 χ^2/NDF: 76.5/64

In: 54.655+/-69.061 χ^2/NDF:81.5/53

Out: -38.658+/-68.490 χ^2/NDF:62.8/58

All: 7.611+/-48.630 χ^2/NDF: 145.3/112

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 567.940+/-0.095 χ^2/NDF: 2758700.7/30

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 588.652+/-0.100 χ^2/NDF: 3368728.4/33

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

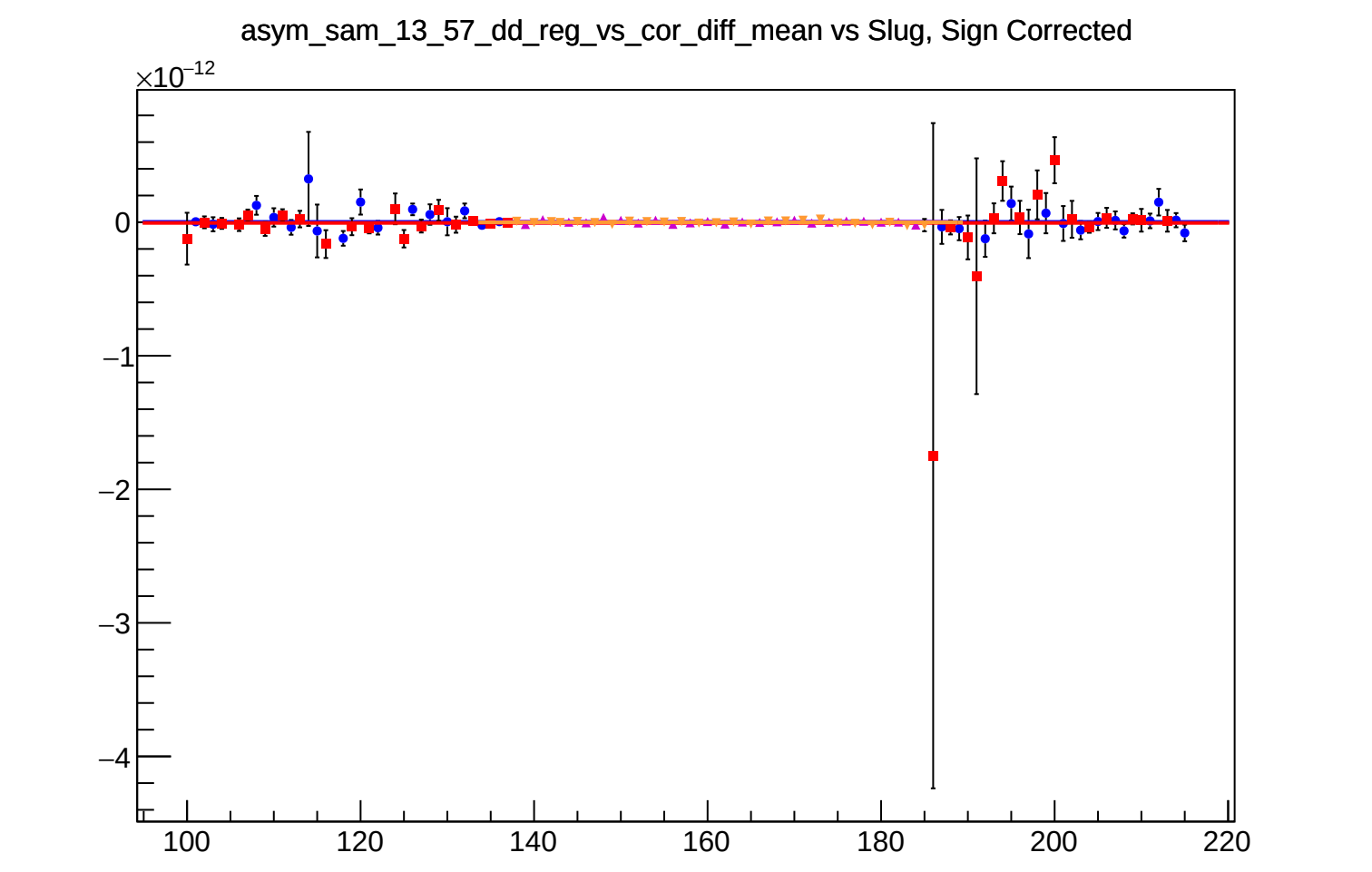
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 577.764+/-0.069 χ^2/NDF: 6149816.0/64

In: 400.999+/-0.049 χ^2/NDF:7312204.4/53

Out: 398.816+/-0.048 χ^2/NDF:8542943.4/58

All: 399.898+/-0.034 χ^2/NDF: 15856155.1/1



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.7/33

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

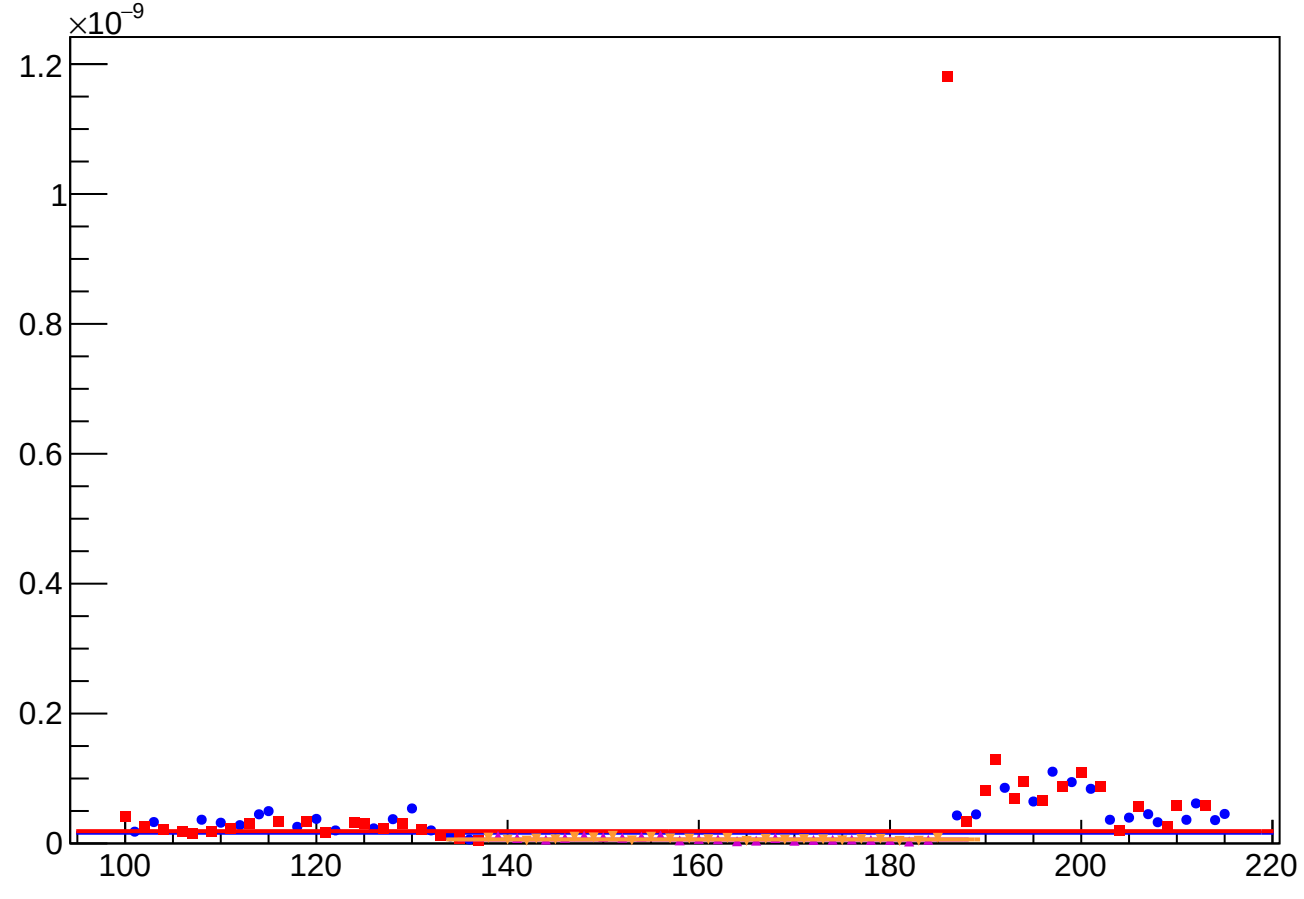
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 62.0/64

In: 0.000+/-0.000 χ^2/NDF:45.2/53

Out: -0.000+/-0.000 χ^2/NDF:50.1/58

All: 0.000+/-0.000 χ^2/NDF: 96.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 8595964.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7174468.6/33

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

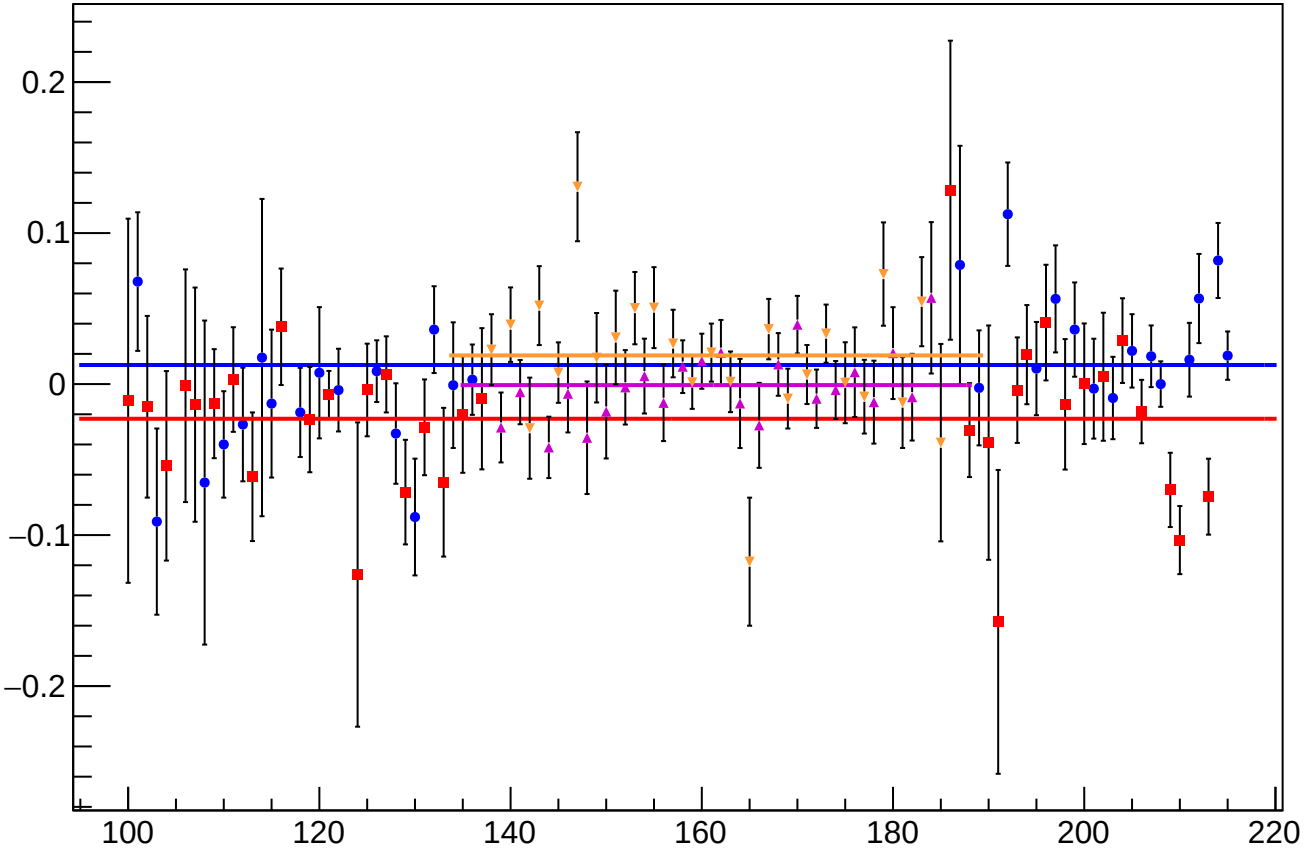
Right: 0.000+/-0.000 χ^2/NDF: 15864050.8/64

In: 0.000+/-0.000 χ^2/NDF:13770125.3/53

Out: 0.000+/-0.000 χ^2/NDF:12539833.8/58

All: 0.000+/-0.000 χ^2/NDF: 26310909.4/112

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.005 χ^2/NDF: 43.0/30

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.023+/-0.006 χ^2/NDF: 44.8/33

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

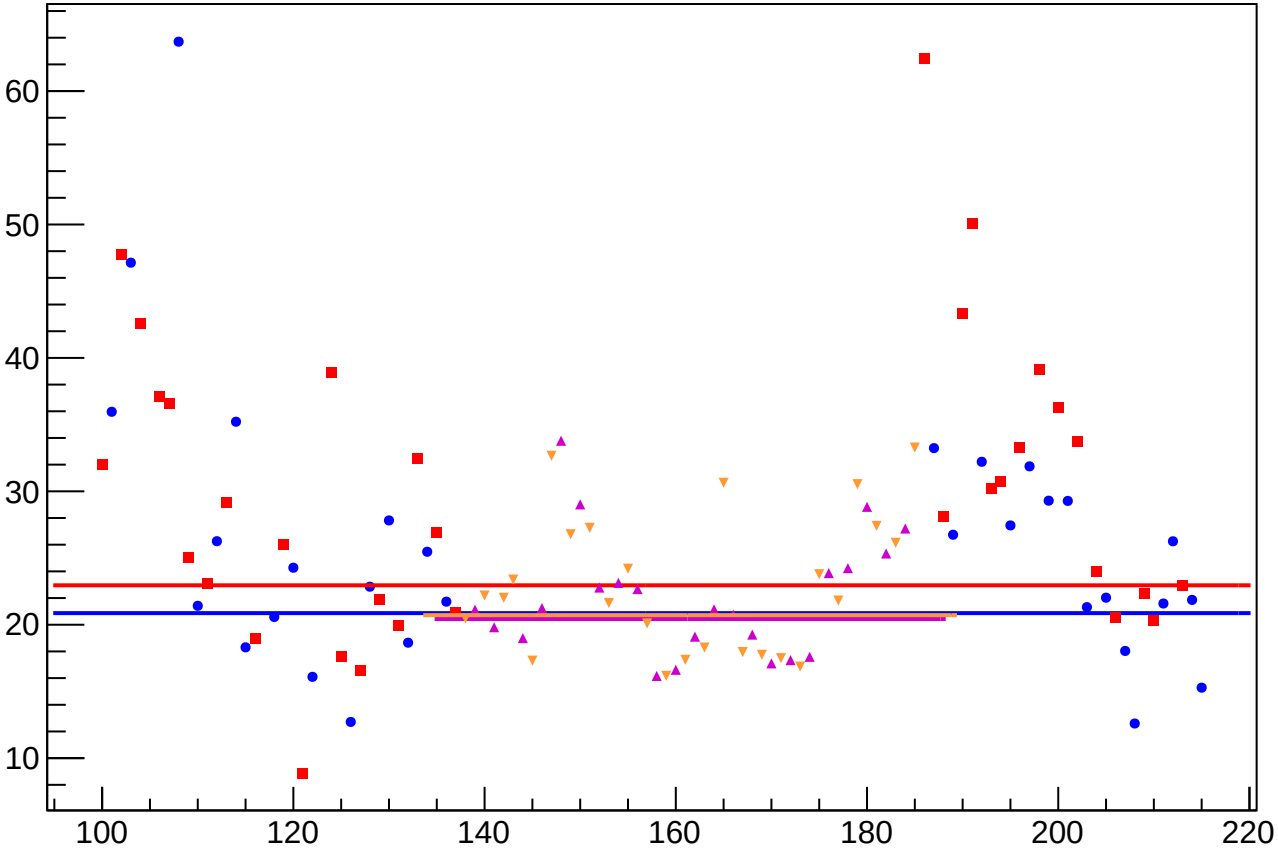
Right: -0.003+/-0.004 χ^2/NDF: 108.4/64

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.004+/-0.003 χ^2/NDF: 180.8/112

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.871+/-0.004 χ^2/NDF: 3321379.5/30

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 22.955+/-0.004 χ^2/NDF: 4442582.8/33

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

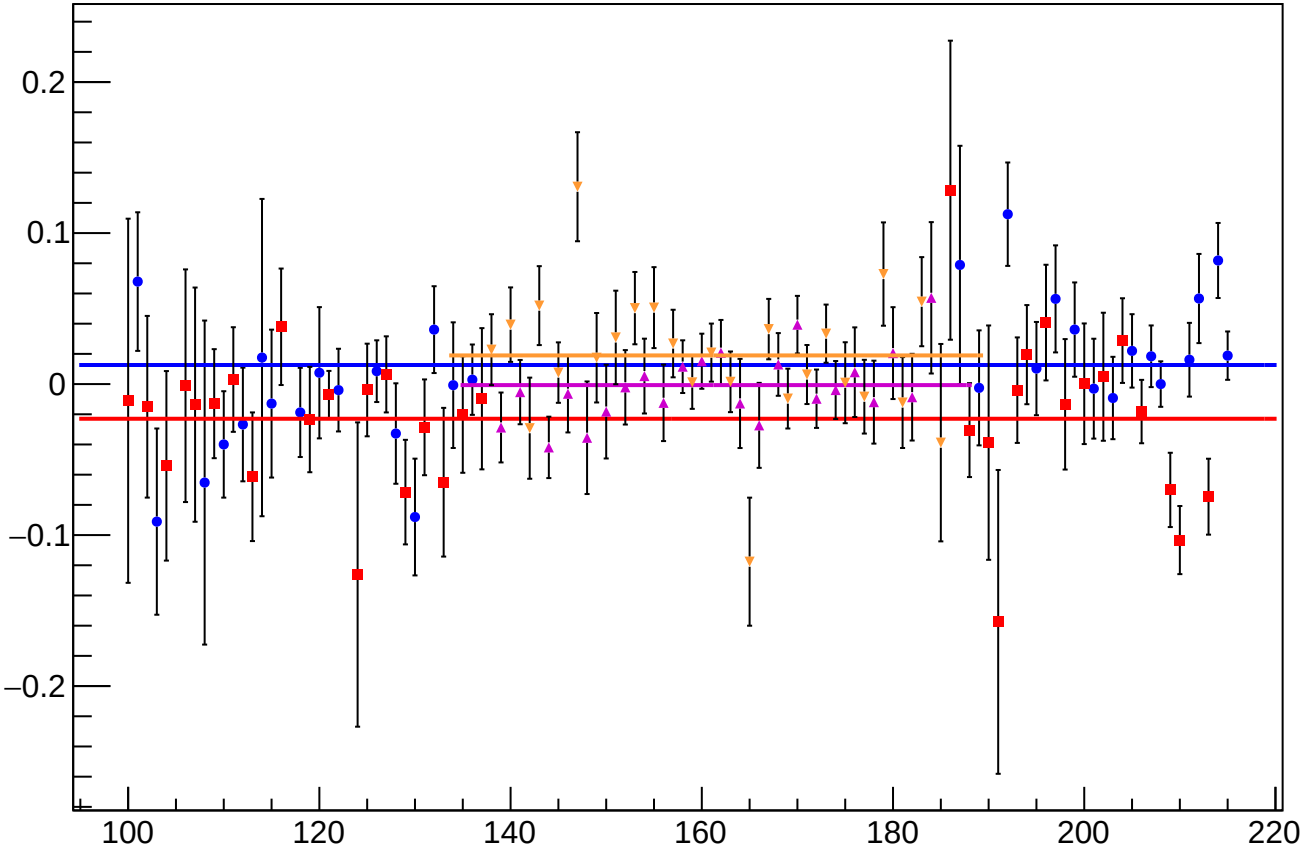
Right: 21.786+/-0.003 χ^2/NDF: 7905662.1/64

In: 20.639+/-0.003 χ^2/NDF:4502947.8/53

Out: 21.631+/-0.003 χ^2/NDF:6121242.8/58

All: 21.112+/-0.002 χ^2/NDF: 10697606.9/112

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.005 χ^2/NDF: 43.0/30

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.023+/-0.006 χ^2/NDF: 44.8/33

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

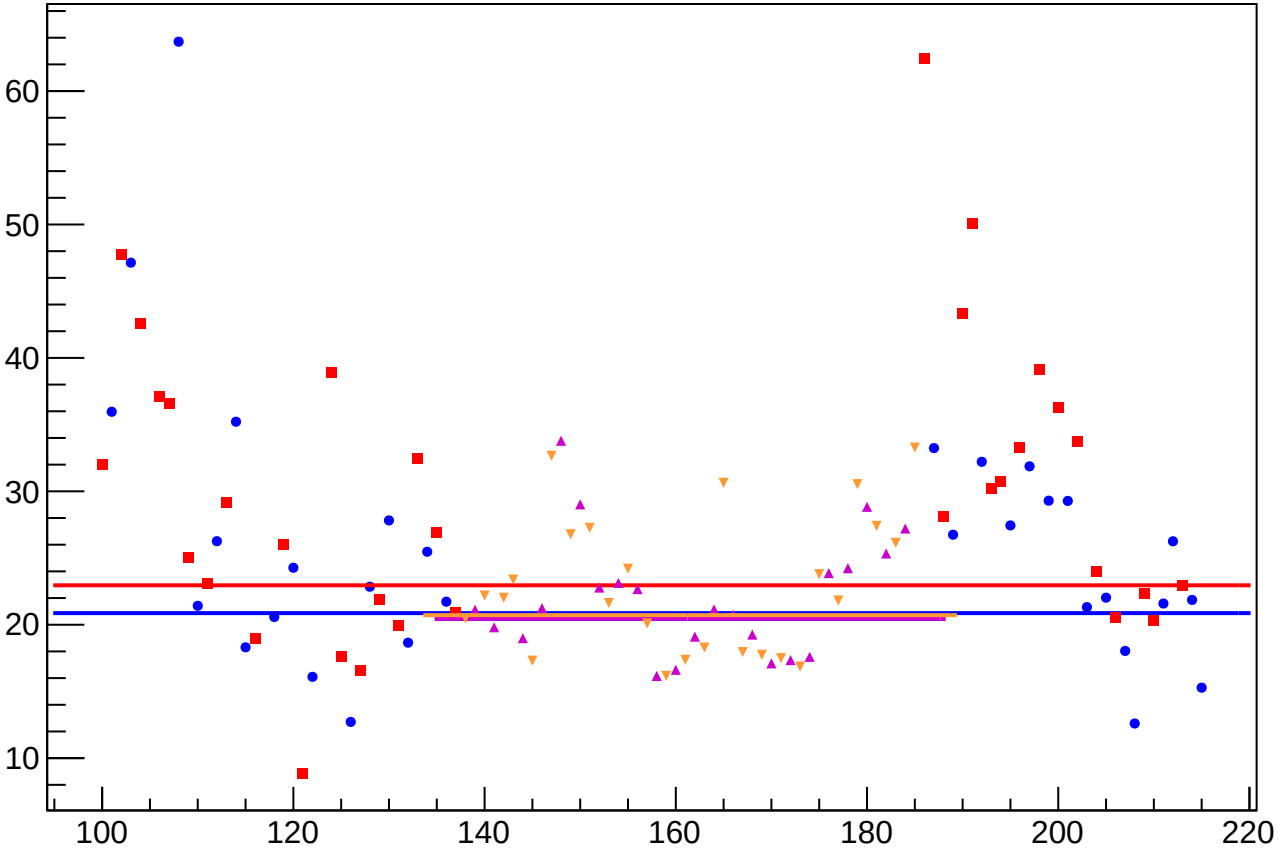
Right: -0.003+/-0.004 χ^2/NDF: 108.4/64

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.004+/-0.003 χ^2/NDF: 180.8/112

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.871+/-0.004 χ^2/NDF: 3321379.5/30

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 22.955+/-0.004 χ^2/NDF: 4442582.8/33

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

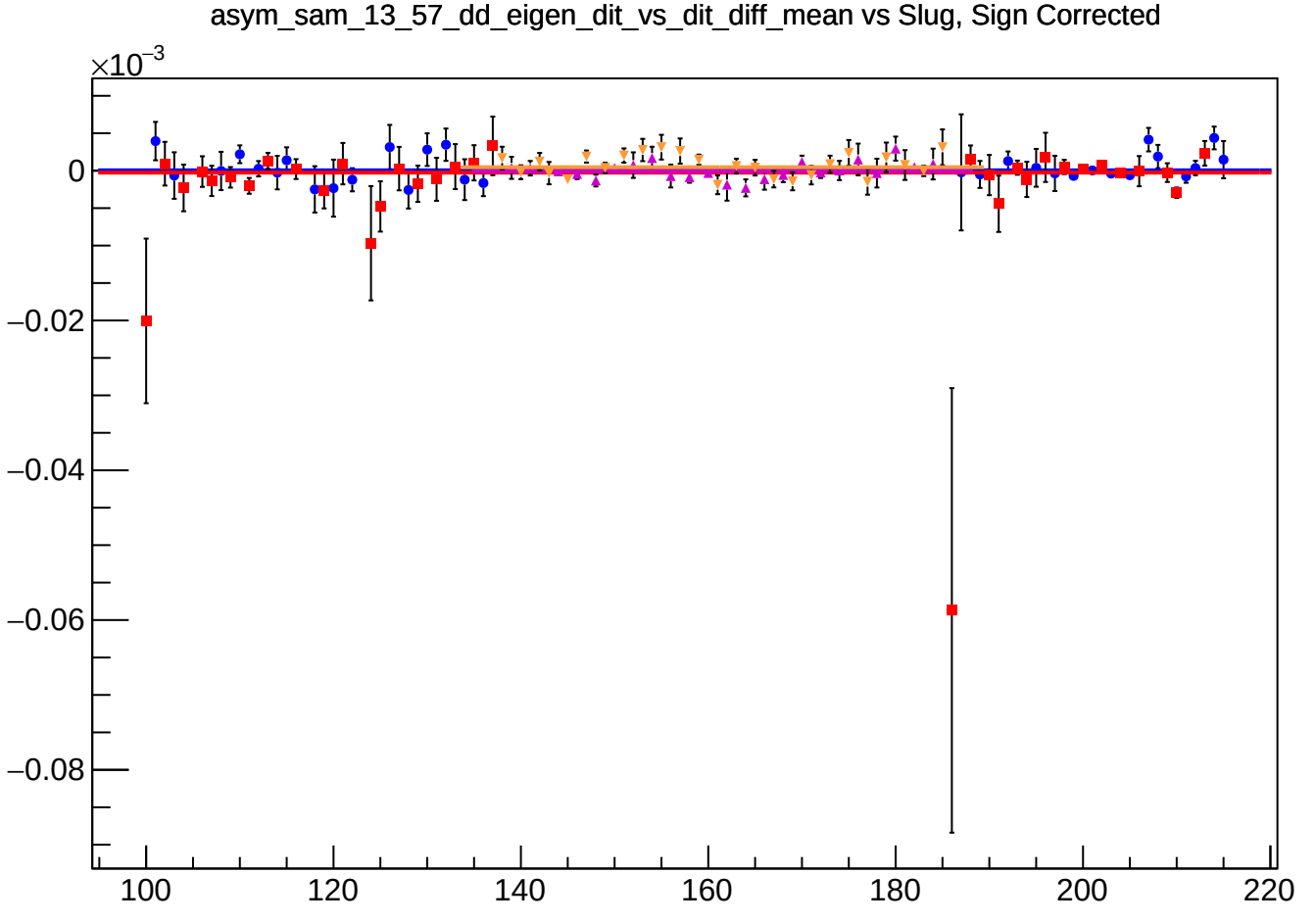
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.786+/-0.003 χ^2/NDF: 7905662.1/64

In: 20.639+/-0.003 χ^2/NDF:4502947.8/53

Out: 21.631+/-0.003 χ^2/NDF:6121242.8/58

All: 21.112+/-0.002 χ^2/NDF: 10697606.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 38.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.5/33

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

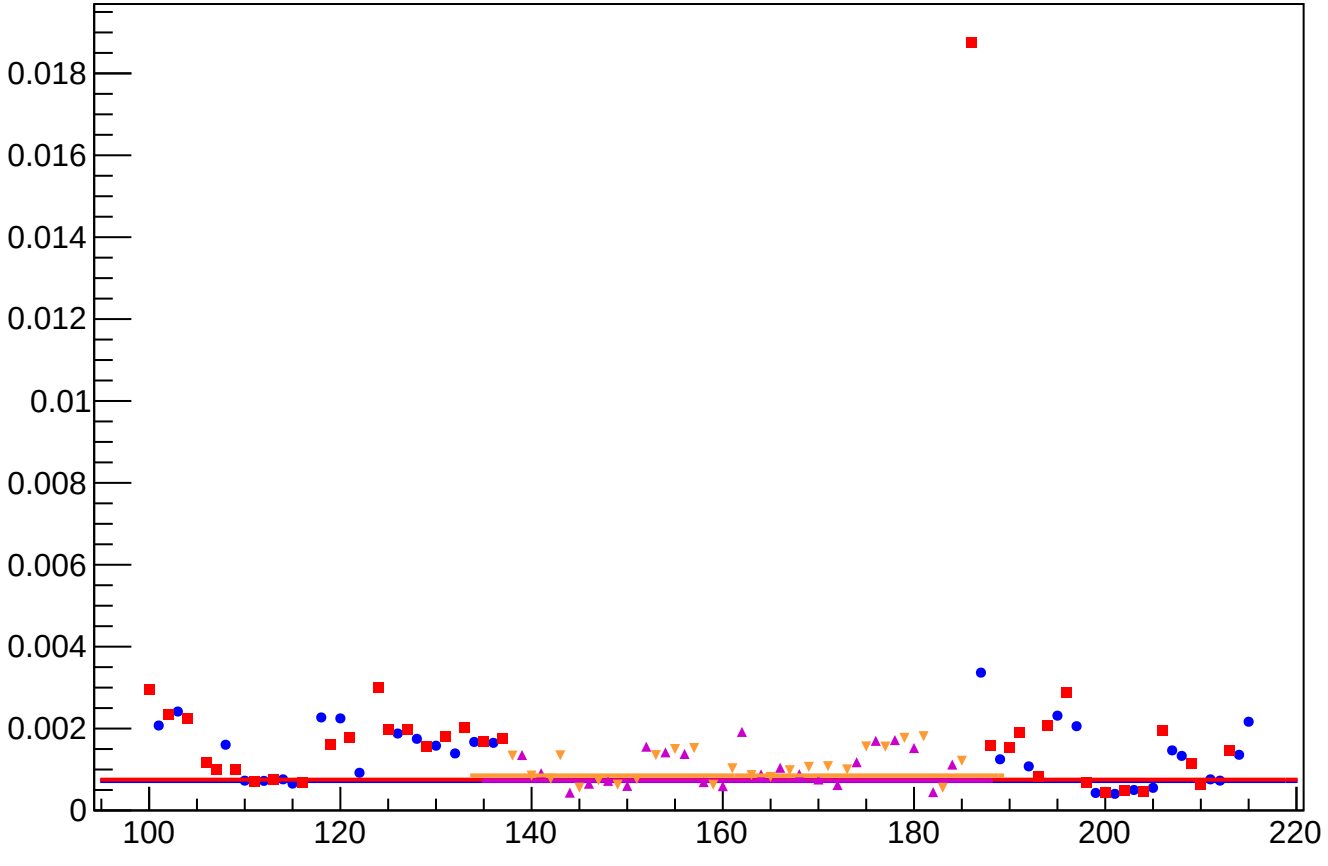
Right: -0.000+/-0.000 χ^2/NDF: 84.0/64

In: -0.000+/-0.000 χ^2/NDF:58.3/53

Out: 0.000+/-0.000 χ^2/NDF:86.9/58

All: 0.000+/-0.000 χ^2/NDF: 145.6/112

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10253323.6/30

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10189302.8/33

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

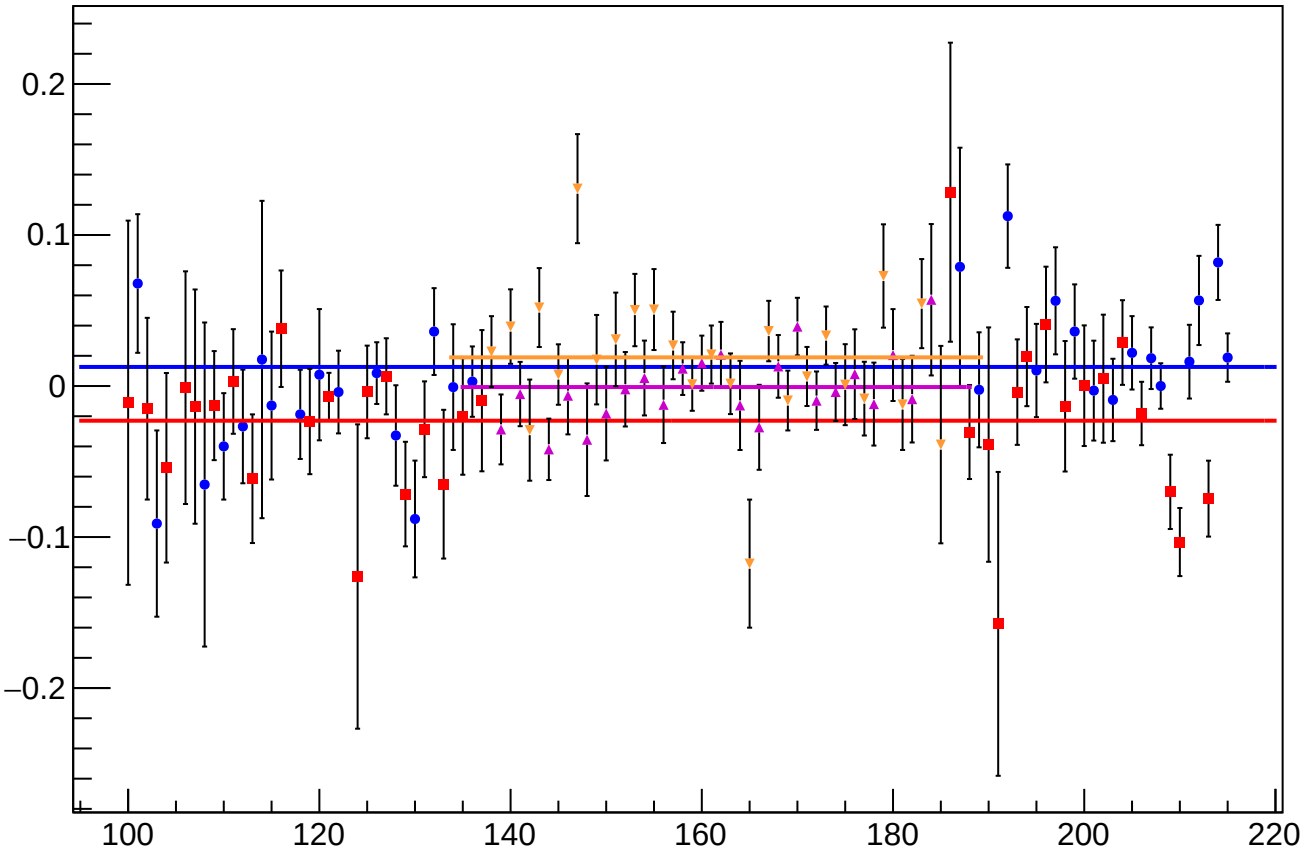
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 20469950.7/64

In: 0.001+/-0.000 χ^2/NDF:16060101.0/53

Out: 0.001+/-0.000 χ^2/NDF:14869238.4/58

All: 0.001+/-0.000 χ^2/NDF: 31259254.5/112



Right In: 0.013+/-0.005 χ^2/NDF: 43.0/30

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.023+/-0.006 χ^2/NDF: 44.8/33

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

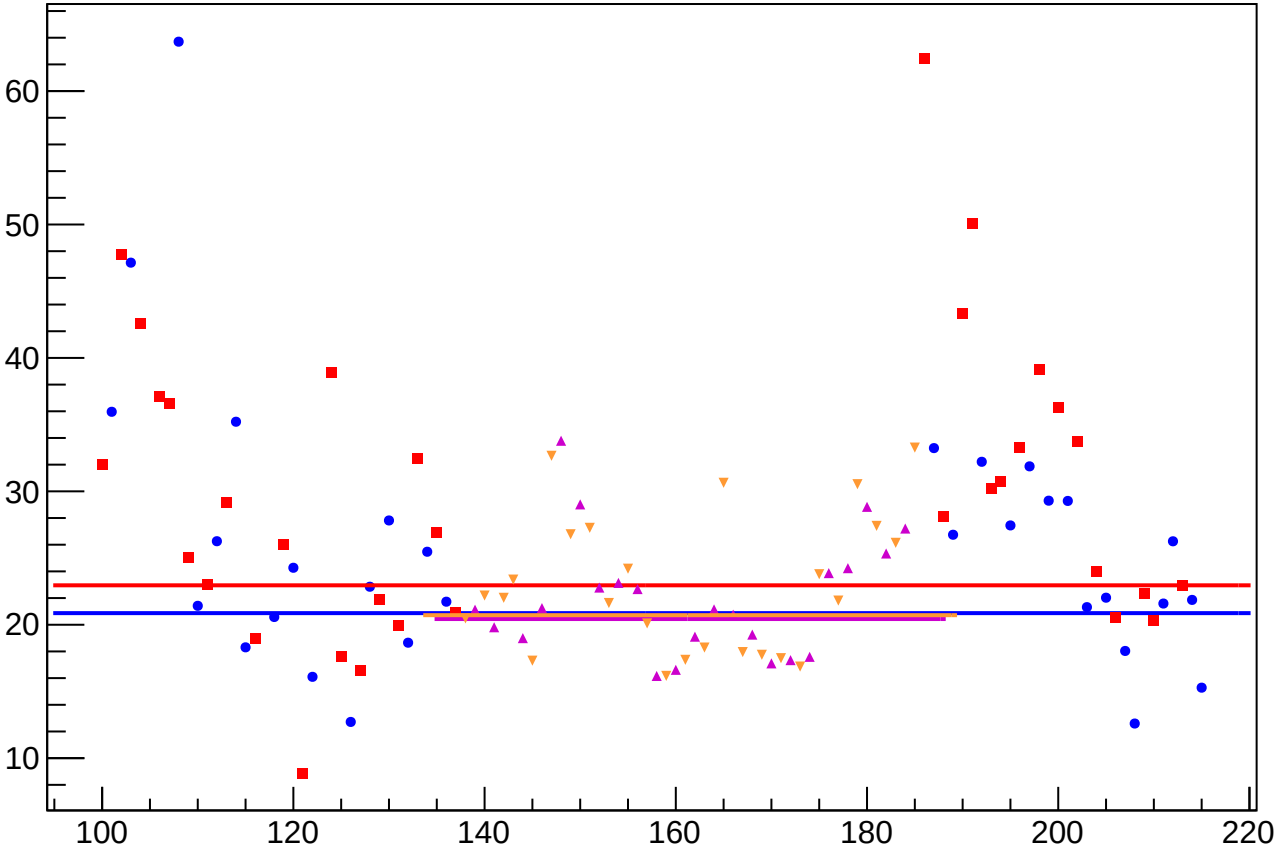
Right: -0.003+/-0.004 χ^2/NDF: 108.4/64

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.004+/-0.003 χ^2/NDF: 180.8/112

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.871+/-0.004 χ^2/NDF: 3321252.5/30

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 22.956+/-0.004 χ^2/NDF: 4442014.7/33

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

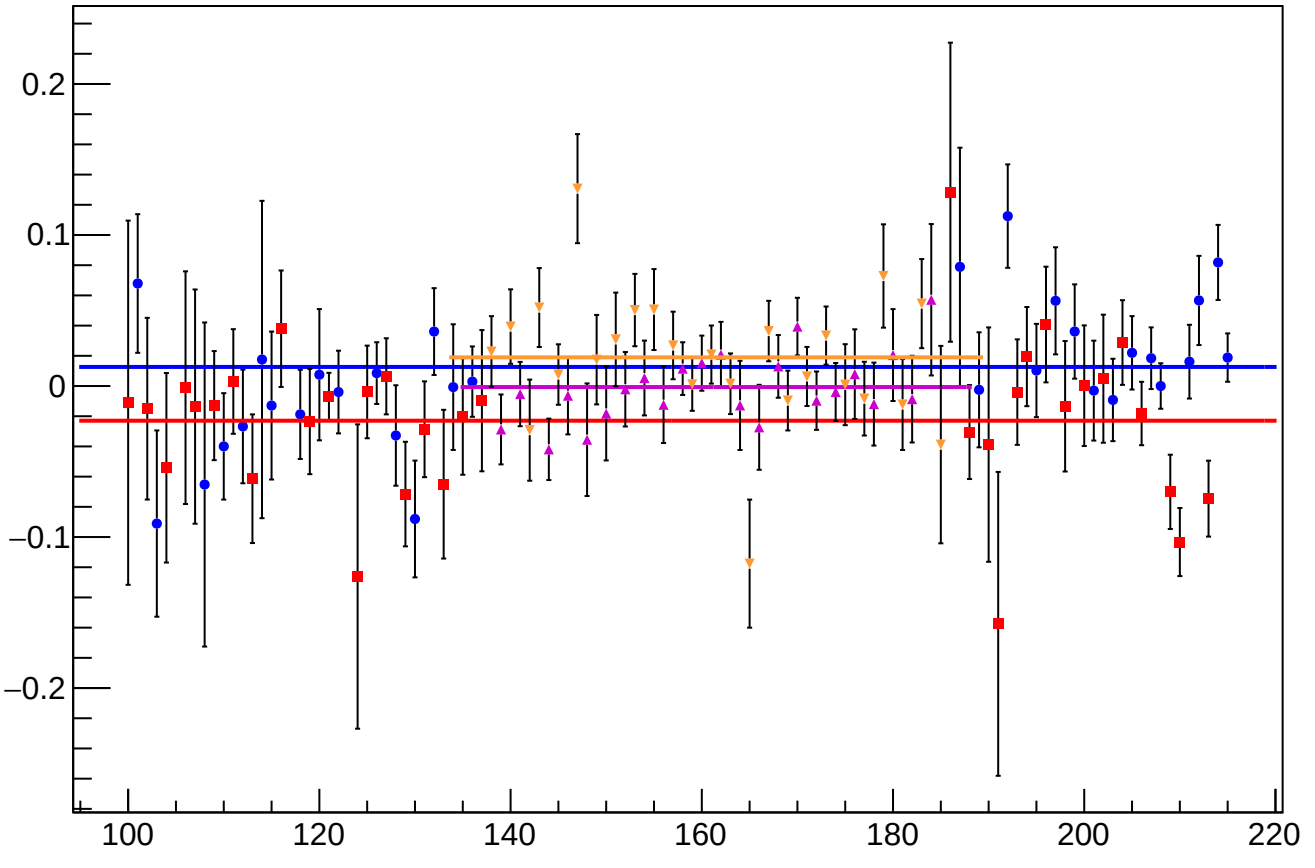
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.787+/-0.003 χ^2/NDF: 7904991.7/64

In: 20.639+/-0.003 χ^2/NDF:4502874.4/53

Out: 21.631+/-0.003 χ^2/NDF:6120851.8/58

All: 21.112+/-0.002 χ^2/NDF: 10697143.2/112



Right In: 0.013+/-0.005 χ^2/NDF: 43.0/30

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.023+/-0.006 χ^2/NDF: 44.8/33

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

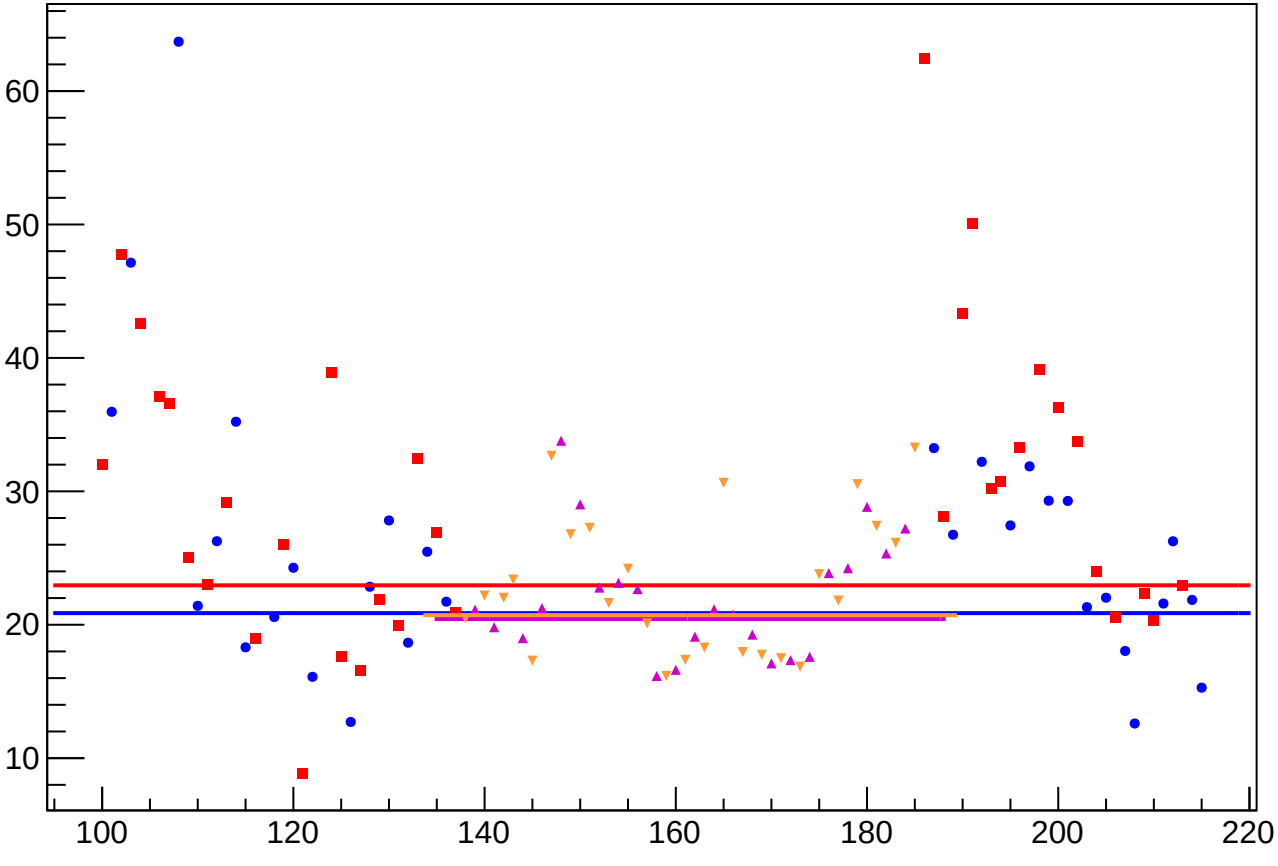
Right: -0.003+/-0.004 χ^2/NDF: 108.4/64

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.002+/-0.004 χ^2/NDF:116.2/58

All: 0.004+/-0.003 χ^2/NDF: 180.8/112

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.871+/-0.004 χ^2/NDF: 3321252.5/30

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 22.956+/-0.004 χ^2/NDF: 4442014.7/33

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

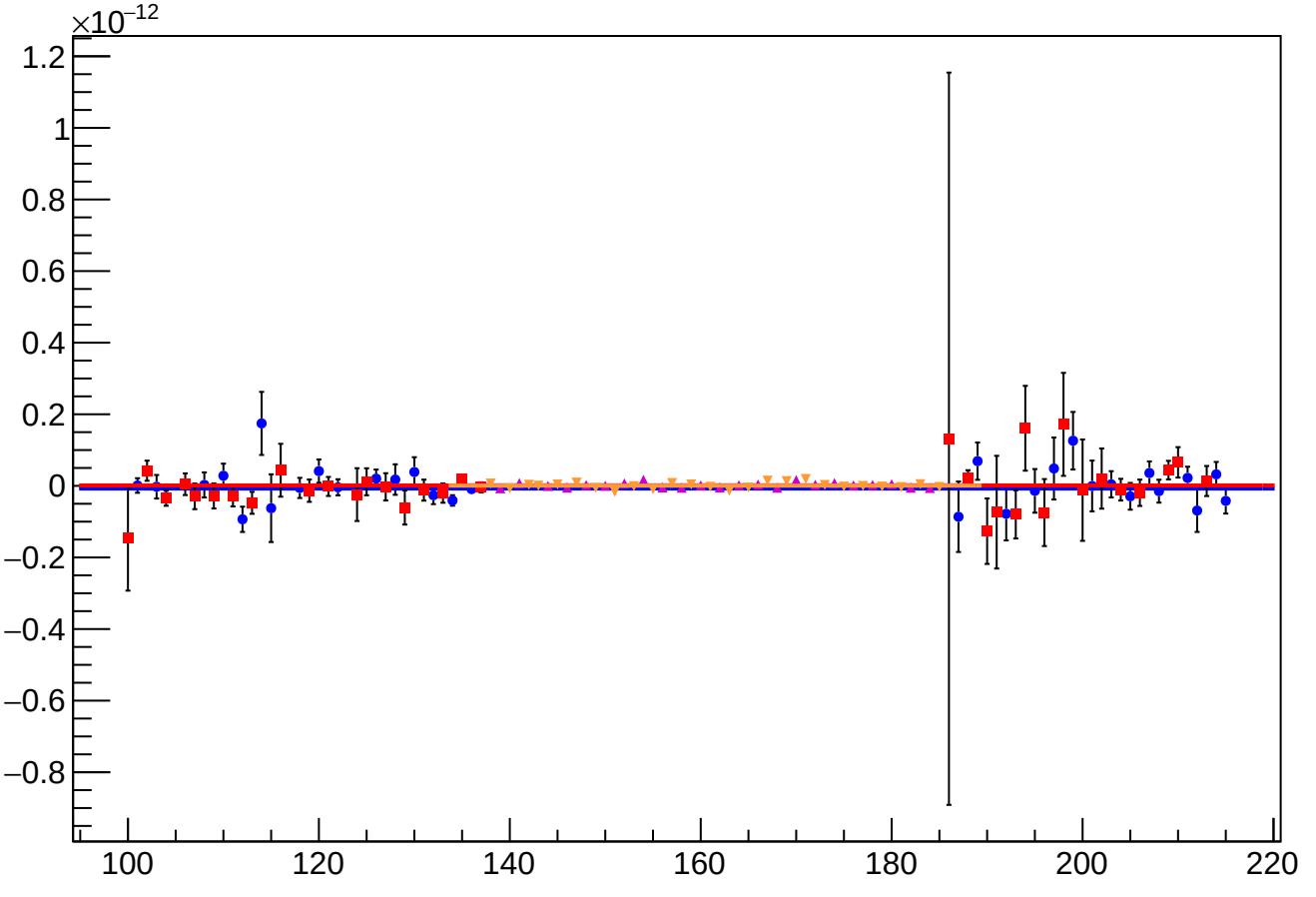
Right: 21.787+/-0.003 χ^2/NDF: 7904991.7/64

In: 20.639+/-0.003 χ^2/NDF:4502874.4/53

Out: 21.631+/-0.003 χ^2/NDF:6120851.8/58

All: 21.112+/-0.002 χ^2/NDF: 10697143.2/112

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/33

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

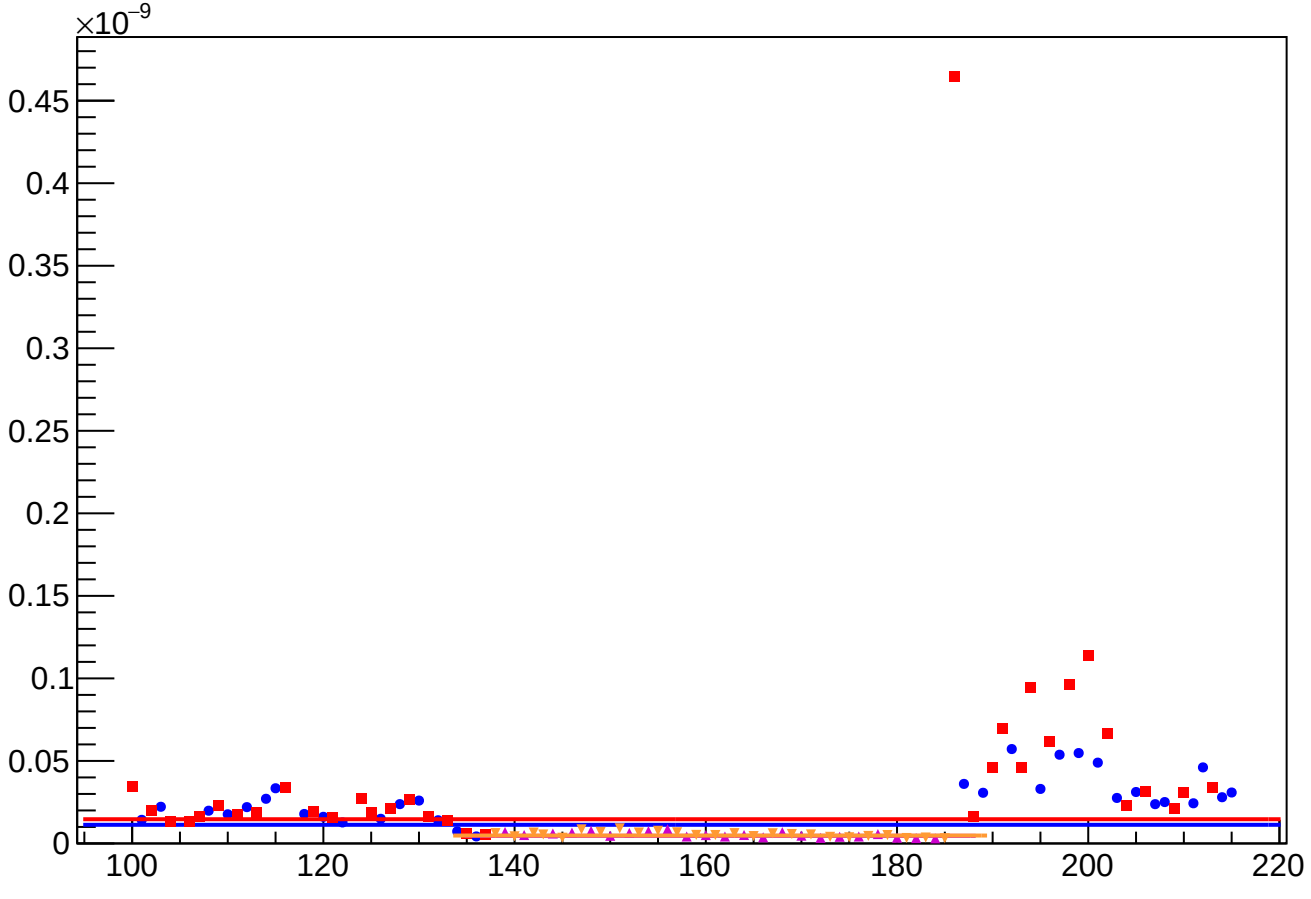
Right: -0.000+/-0.000 χ^2/NDF: 69.0/64

In: 0.000+/-0.000 χ^2/NDF:61.0/53

Out: 0.000+/-0.000 χ^2/NDF:60.2/58

All: 0.000+/-0.000 χ^2/NDF: 121.2/112

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11394396.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9693451.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

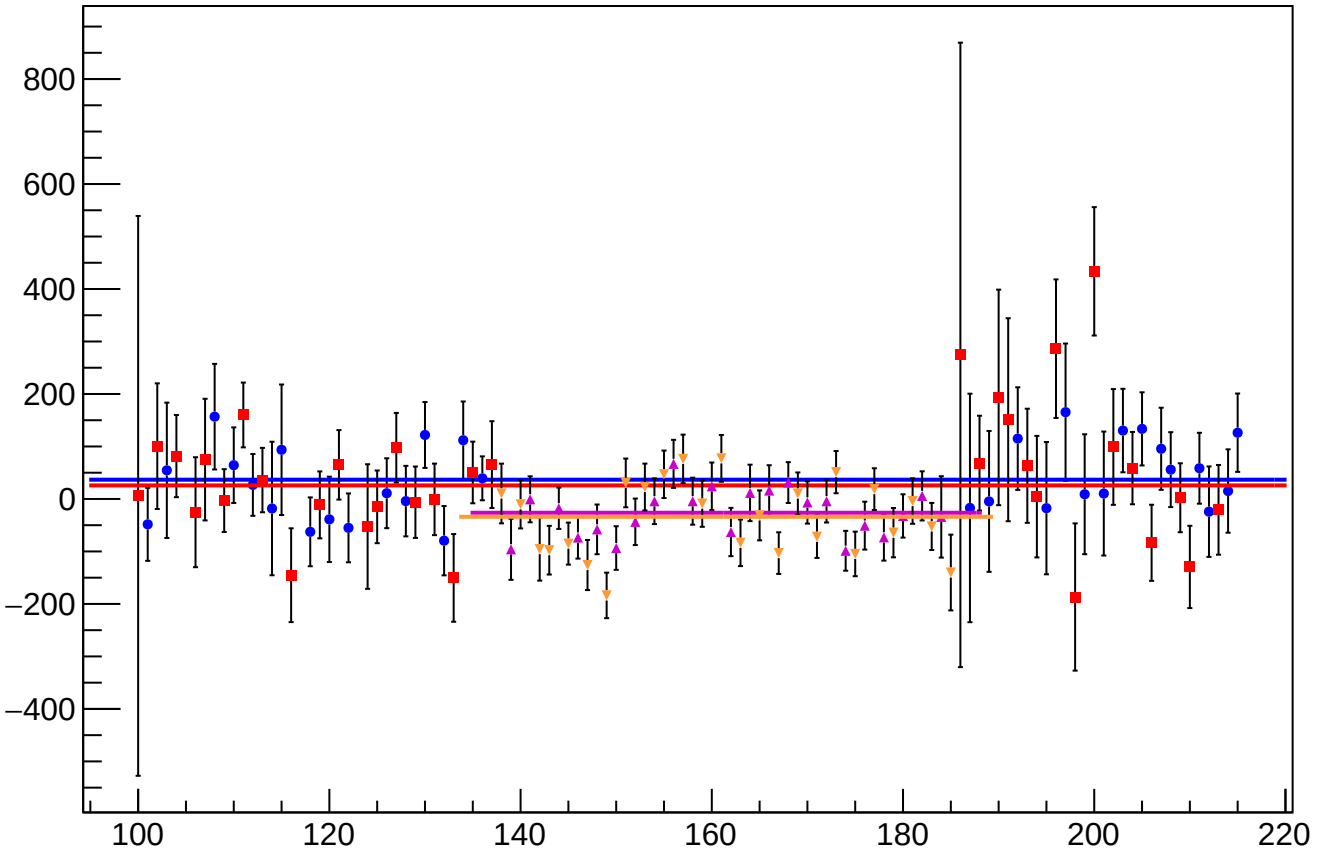
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 21608625.9/64

In: 0.000+/-0.000 χ^2/NDF:17957292.9/53

Out: 0.000+/-0.000 χ^2/NDF:18789779.1/58

All: 0.000+/-0.000 χ^2/NDF: 36767124.9/112



Right In: 36.697+/-13.943 χ^2/NDF: 23.3/30

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 25.820+/-14.356 χ^2/NDF: 44.1/33

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

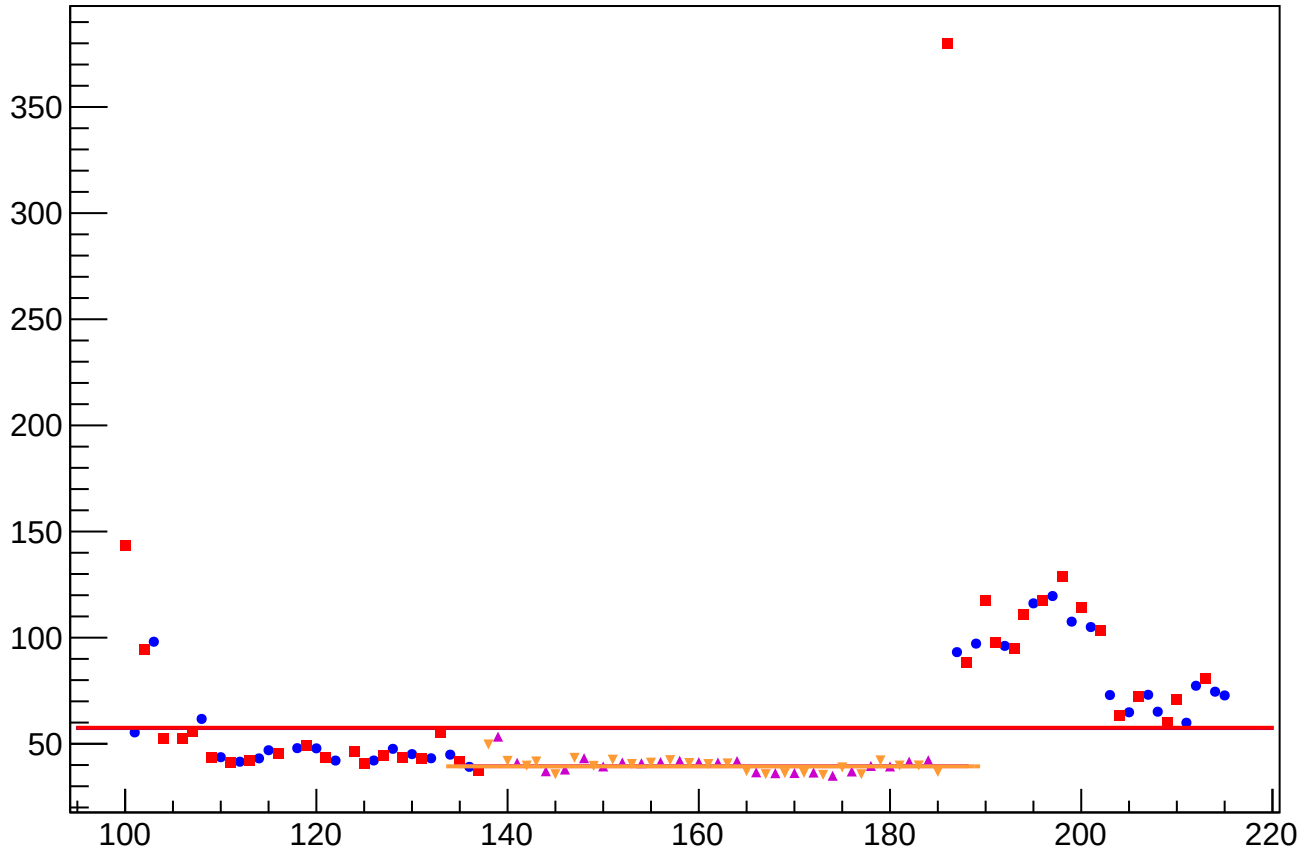
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 31.417+/-10.002 χ^2/NDF: 67.7/64

In: -6.962+/-7.720 χ^2/NDF:59.9/53

Out: -17.109+/-7.621 χ^2/NDF:115.3/58

All: -12.101+/-5.424 χ^2/NDF: 176.0/112



Right In: 57.432+/-0.010 χ^2/NDF: 4028096.9/30

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 57.540+/-0.010 χ^2/NDF: 5195577.0/33

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

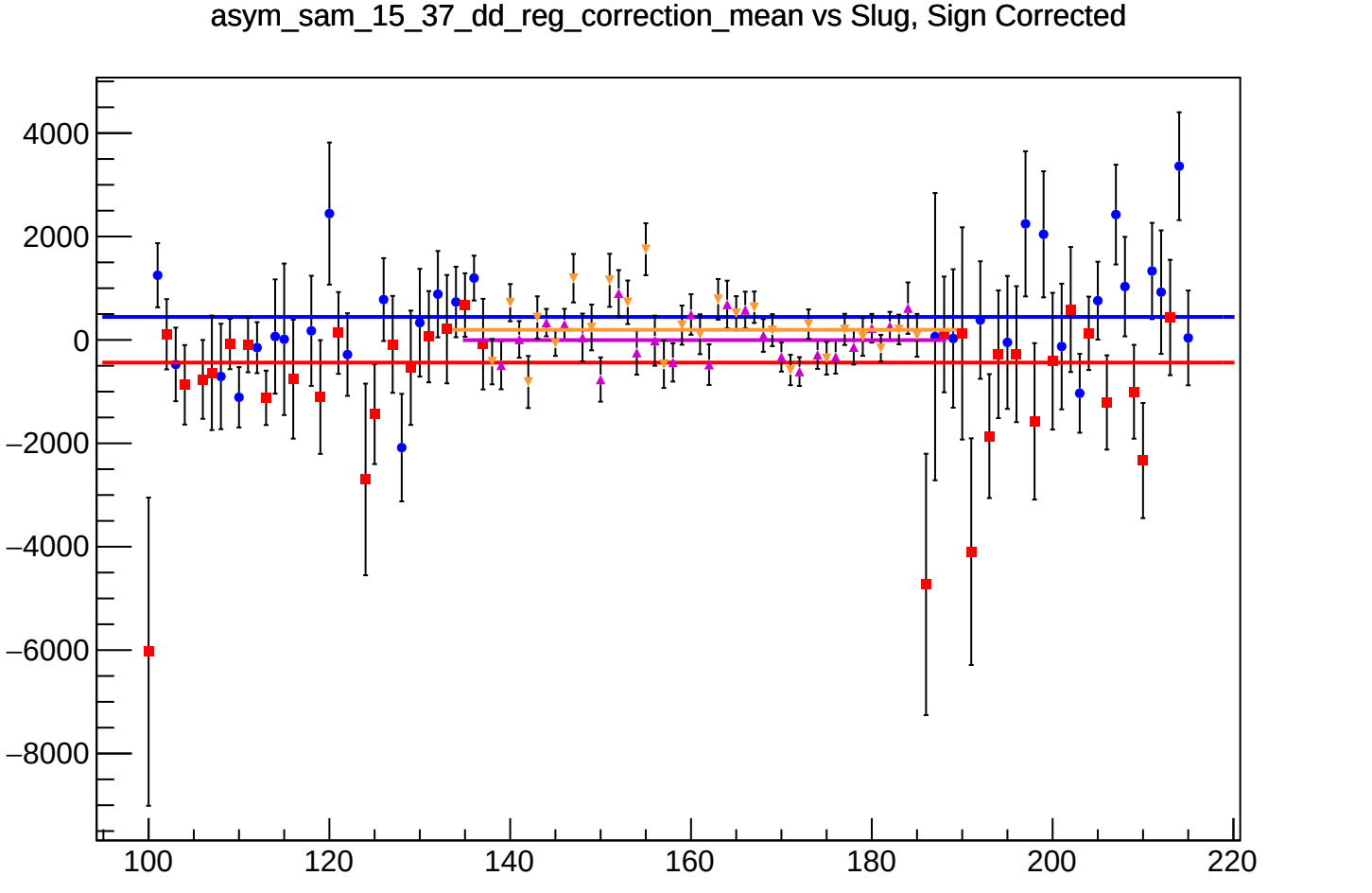
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.485+/-0.007 χ^2/NDF: 9223732.0/64

In: 44.992+/-0.005 χ^2/NDF:6576123.4/53

Out: 44.500+/-0.005 χ^2/NDF:7722056.6/58

All: 44.743+/-0.004 χ^2/NDF: 14302288.4/112



Right In: 444.156+/-153.076 χ^2/NDF: 47.4/30

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -438.426+/-154.922 χ^2/NDF: 29.1/33

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

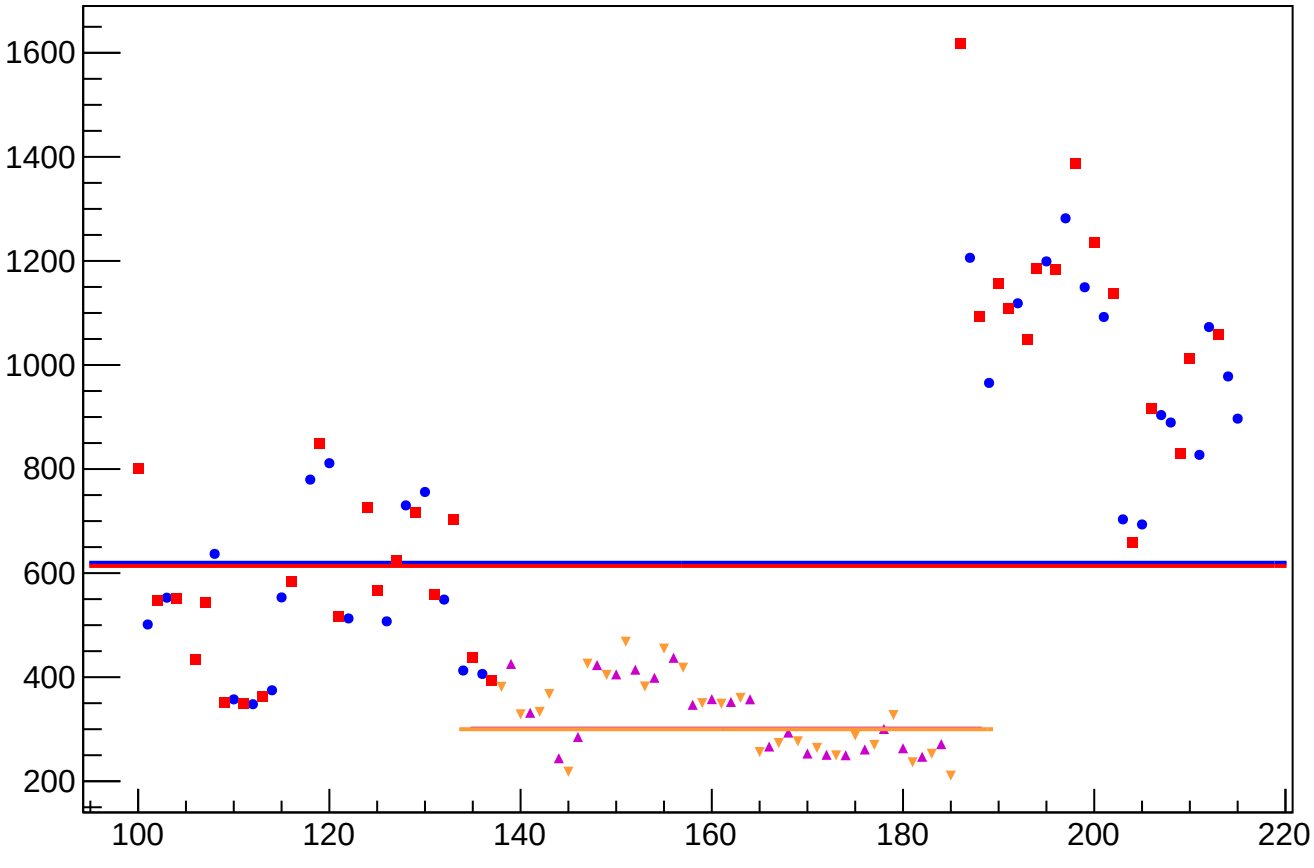
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 8.156+/-108.888 χ^2/NDF: 92.9/64

In: 77.139+/-65.139 χ^2/NDF:86.8/53

Out: 87.393+/-63.861 χ^2/NDF:91.6/58

All: 82.368+/-45.601 χ^2/NDF: 178.4/112



Right In: 619.894+/-0.108 χ^2/NDF: 5423153.2/30

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 613.806+/-0.110 χ^2/NDF: 6415230.1/33

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

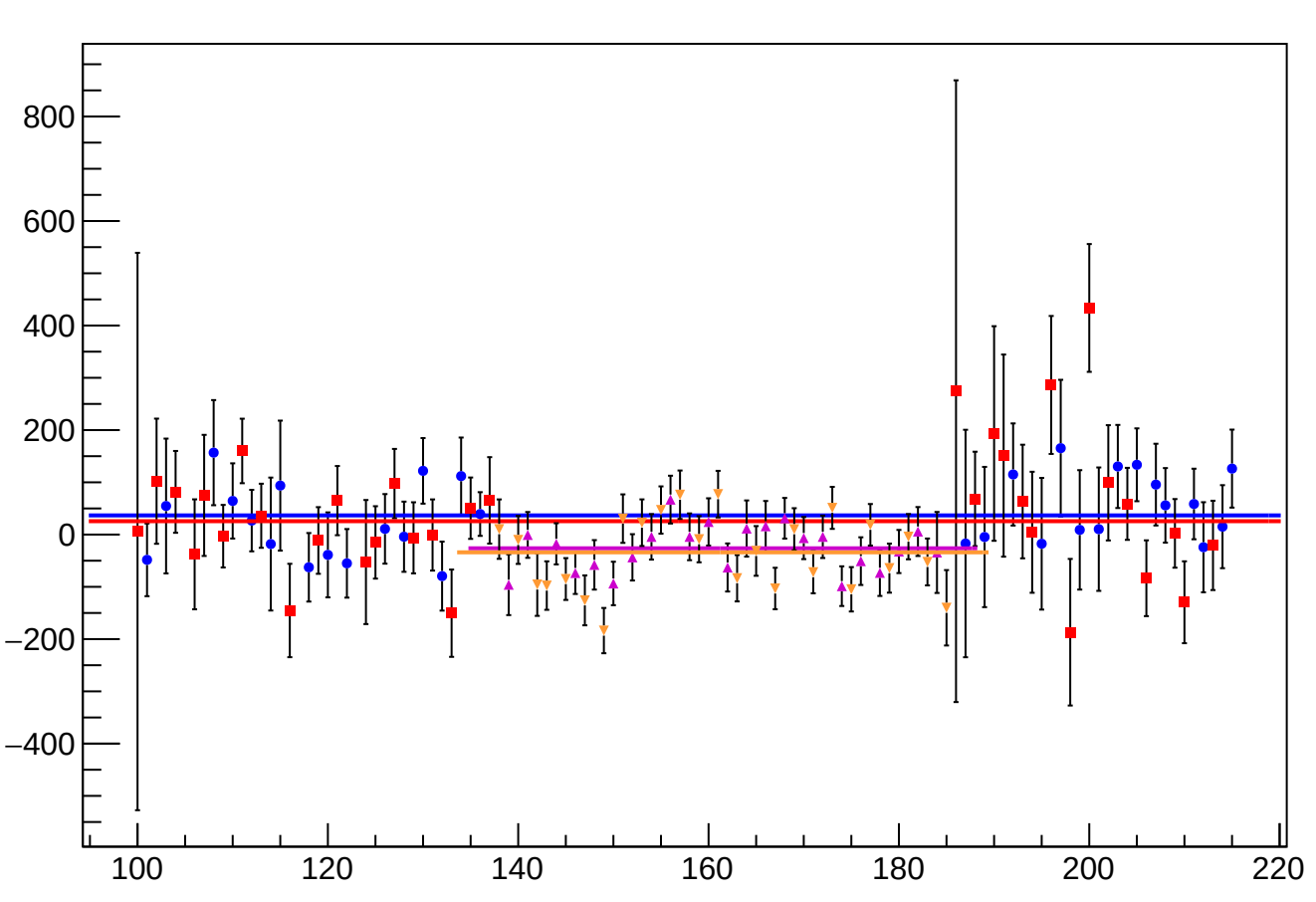
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 616.886+/-0.077 χ^2/NDF: 11839945.9/64

In: 358.744+/-0.046 χ^2/NDF:13938447.6/53

Out: 353.302+/-0.045 χ^2/NDF:15036273.9/58

All: 355.969+/-0.032 χ^2/NDF: 28981840.6/11



Right In: 36.701+/-13.943 χ^2/NDF: 23.3/30

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 25.617+/-14.358 χ^2/NDF: 44.2/33

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

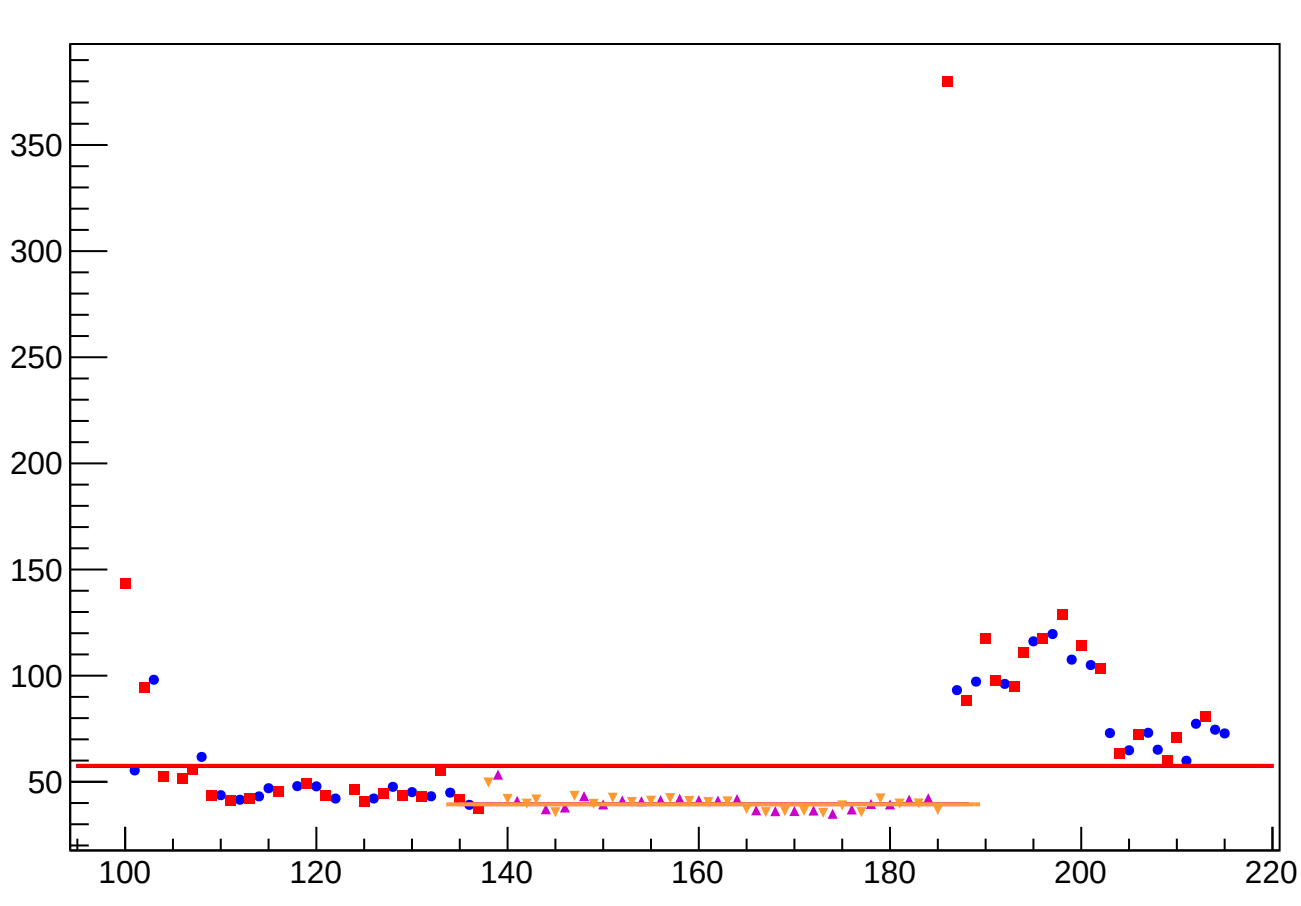
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 31.322+/-10.003 χ^2/NDF: 67.8/64

In: -6.961+/-7.720 χ^2/NDF:59.9/53

Out: -17.168+/-7.622 χ^2/NDF:115.3/58

All: -12.130+/-5.424 χ^2/NDF: 176.1/112



Right In: 57.432+/-0.010 χ^2/NDF: 4028099.9/30

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 57.526+/-0.010 χ^2/NDF: 5197368.0/33

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

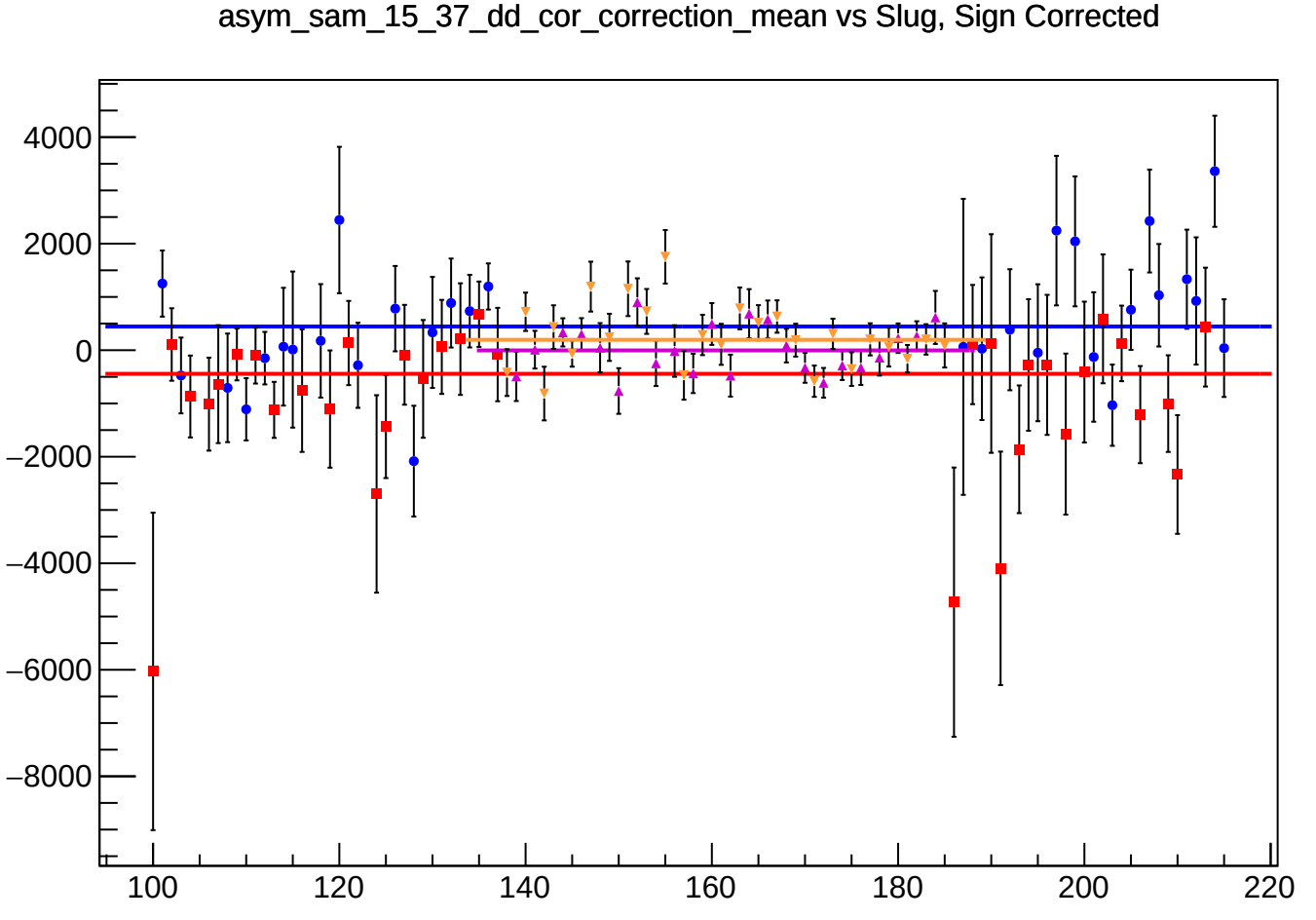
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.478+/-0.007 χ^2/NDF: 9225511.7/64

In: 44.992+/-0.005 χ^2/NDF:6576126.4/53

Out: 44.495+/-0.005 χ^2/NDF:7719941.8/58

All: 44.740+/-0.004 χ^2/NDF: 14300255.1/112



Right In: 444.160+/-153.076 χ^2/NDF: 47.4/30

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -443.365+/-155.690 χ^2/NDF: 29.4/33

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

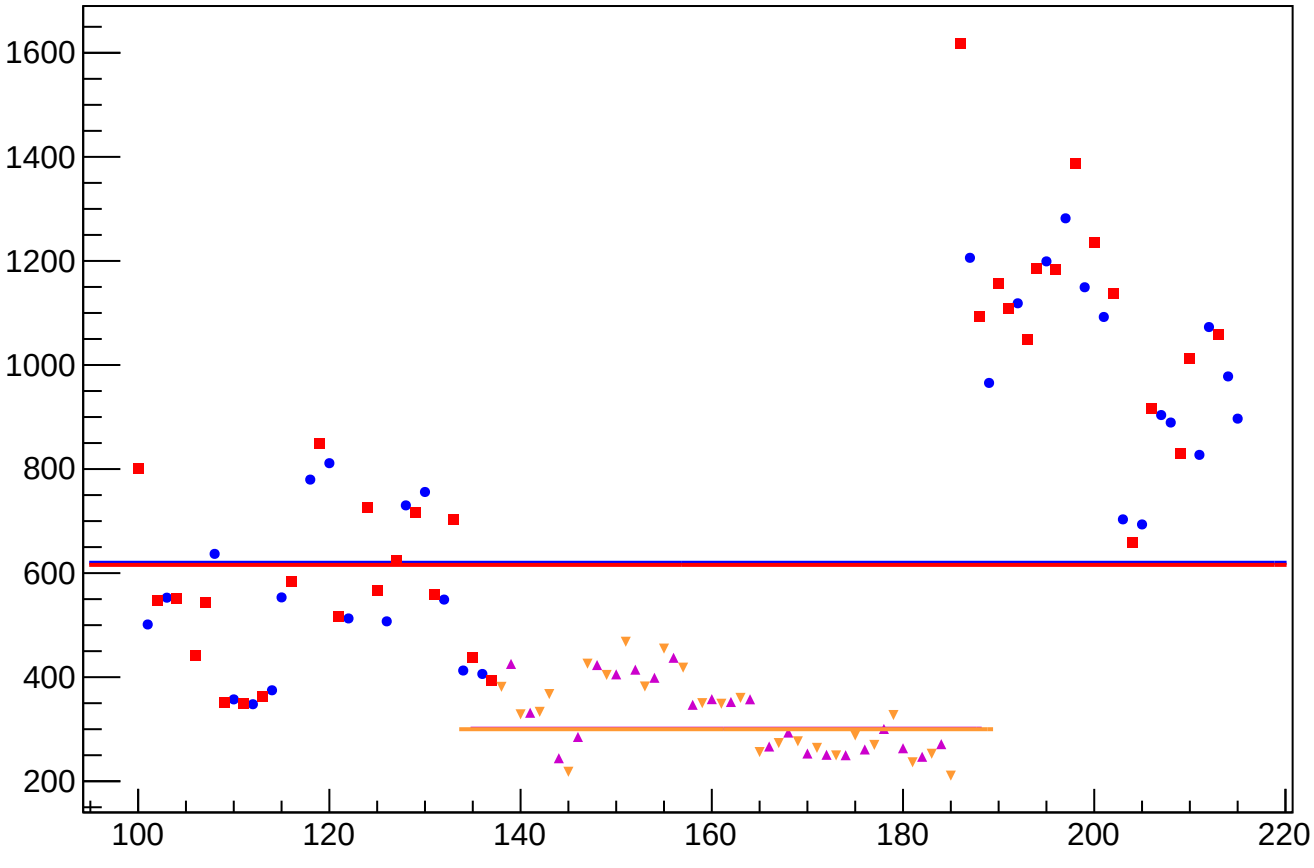
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 7.909+/-109.154 χ^2/NDF: 93.3/64

In: 77.140+/-65.139 χ^2/NDF:86.8/53

Out: 87.441+/-63.914 χ^2/NDF:92.0/58

All: 82.388+/-45.621 χ^2/NDF: 178.7/112



Right In: 619.896+/-0.108 χ^2/NDF: 5423131.9/30

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 615.835+/-0.110 χ^2/NDF: 6381642.0/33

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

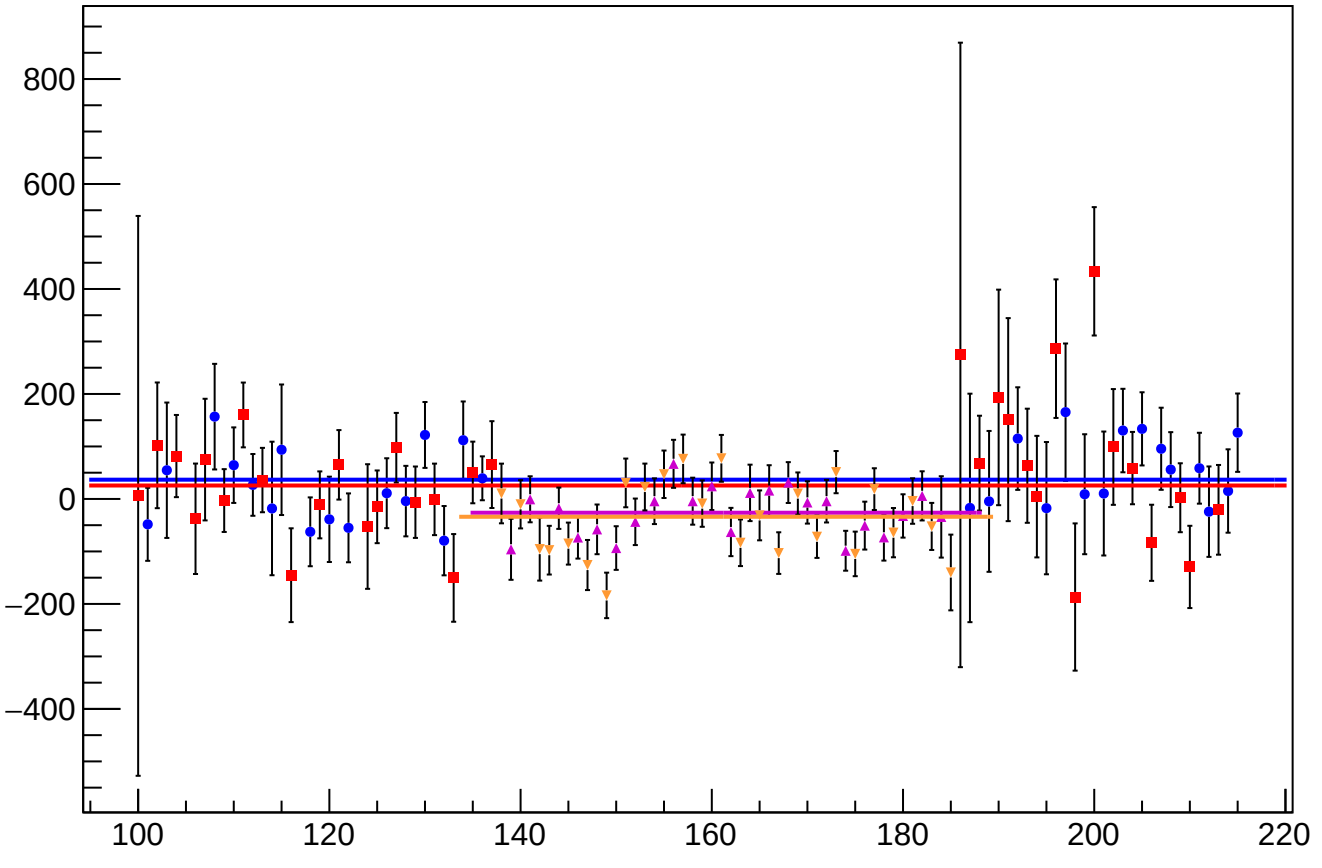
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

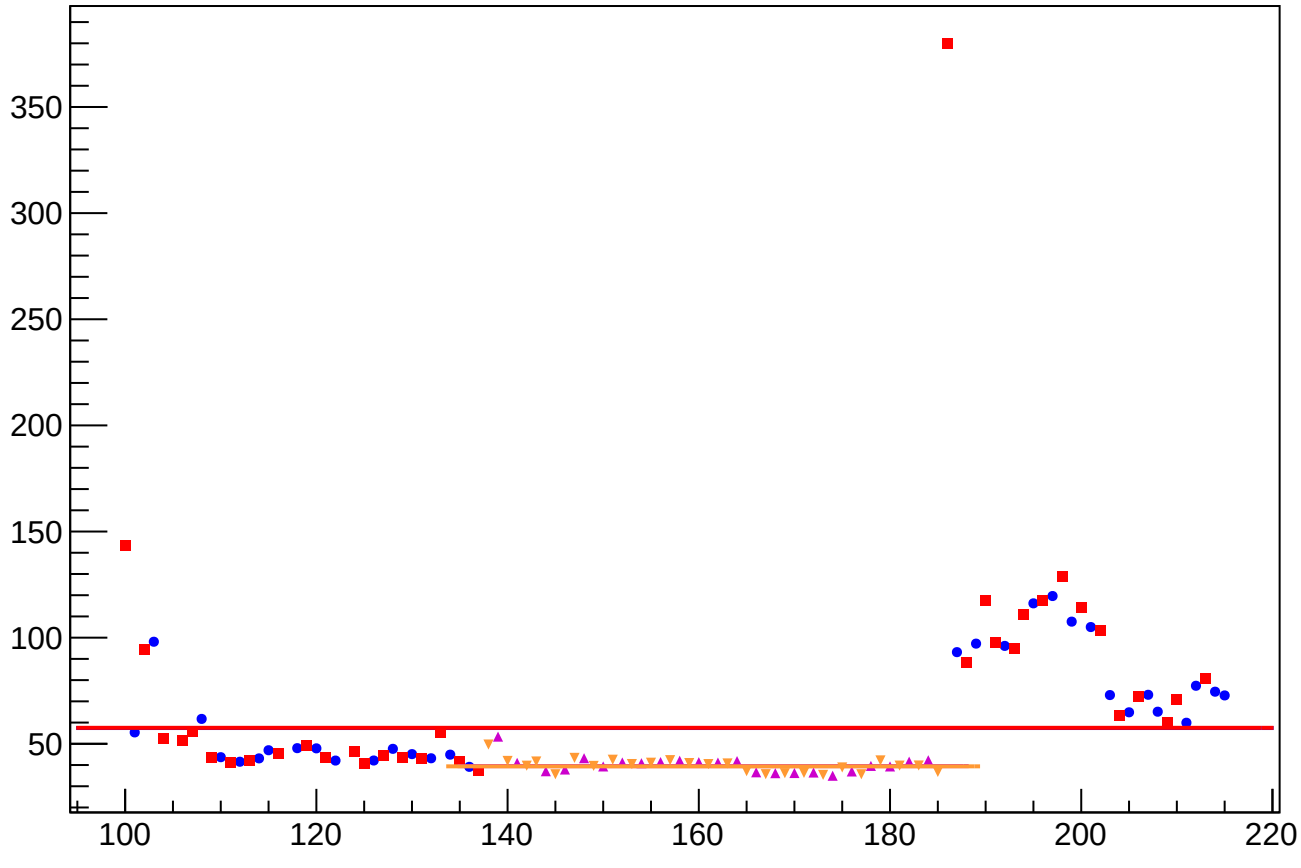
Right: 617.900+/-0.077 χ^2/NDF: 11805466.0/64

In: 358.744+/-0.046 χ^2/NDF:13938508.8/53

Out: 353.208+/-0.045 χ^2/NDF:15034612.9/58

All: 355.923+/-0.032 χ^2/NDF: 28980483.0/11


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
220
Right In: 36.701+/-13.943 χ²/NDF: 23.3/30
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 25.617+/-14.358 χ²/NDF: 44.2/33
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 31.322+/-10.003 χ²/NDF: 67.8/64
In: -6.961+/-7.720 χ²/NDF:59.9/53
Out: -17.168+/-7.622 χ²/NDF:115.3/58
All: -12.130+/-5.424 χ²/NDF: 176.1/112



Right In: 57.432+/-0.010 χ^2/NDF: 4028099.9/30

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 57.526+/-0.010 χ^2/NDF: 5197368.0/33

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

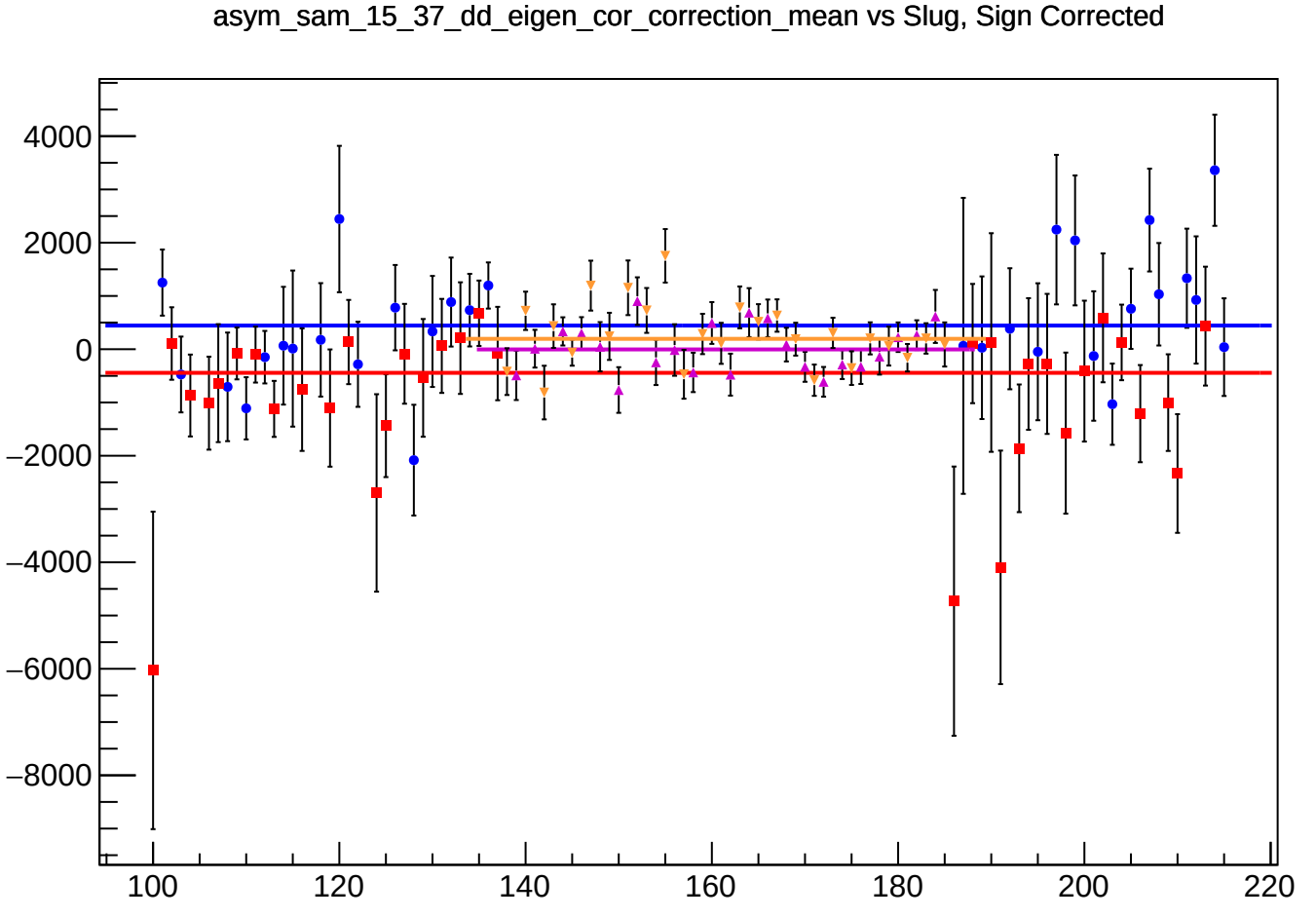
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.478+/-0.007 χ^2/NDF: 9225511.7/64

In: 44.992+/-0.005 χ^2/NDF:6576126.4/53

Out: 44.495+/-0.005 χ^2/NDF:7719941.8/58

All: 44.740+/-0.004 χ^2/NDF: 14300255.1/112



Right In: 444.160+/-153.076 χ^2/NDF: 47.4/30

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -443.365+/-155.690 χ^2/NDF: 29.4/33

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

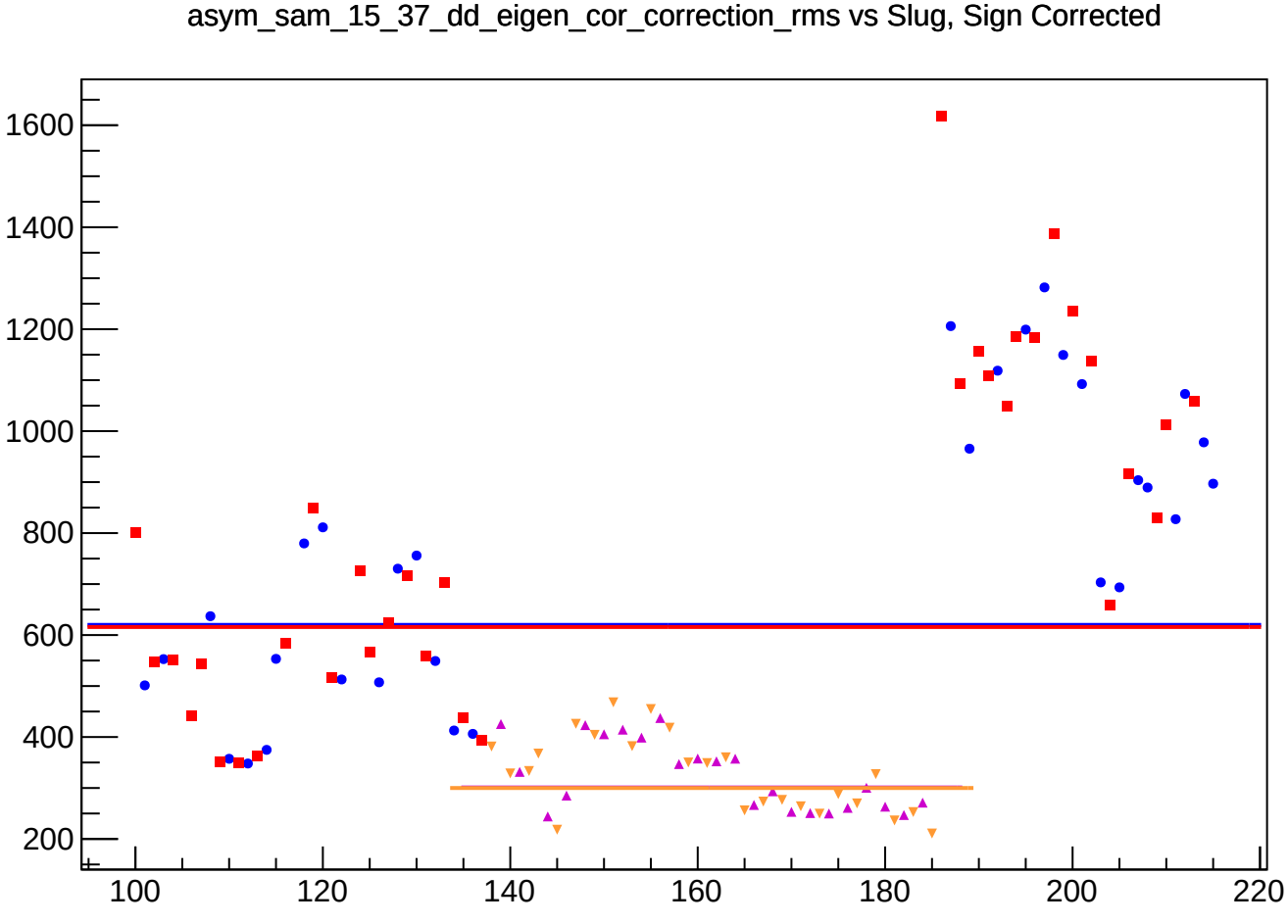
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: 7.909+/-109.154 χ^2/NDF: 93.3/64

In: 77.140+/-65.139 χ^2/NDF:86.8/53

Out: 87.441+/-63.914 χ^2/NDF:92.0/58

All: 82.388+/-45.621 χ^2/NDF: 178.7/112



Right In: 619.896+/-0.108 χ^2/NDF: 5423131.9/30

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 615.835+/-0.110 χ^2/NDF: 6381642.0/33

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

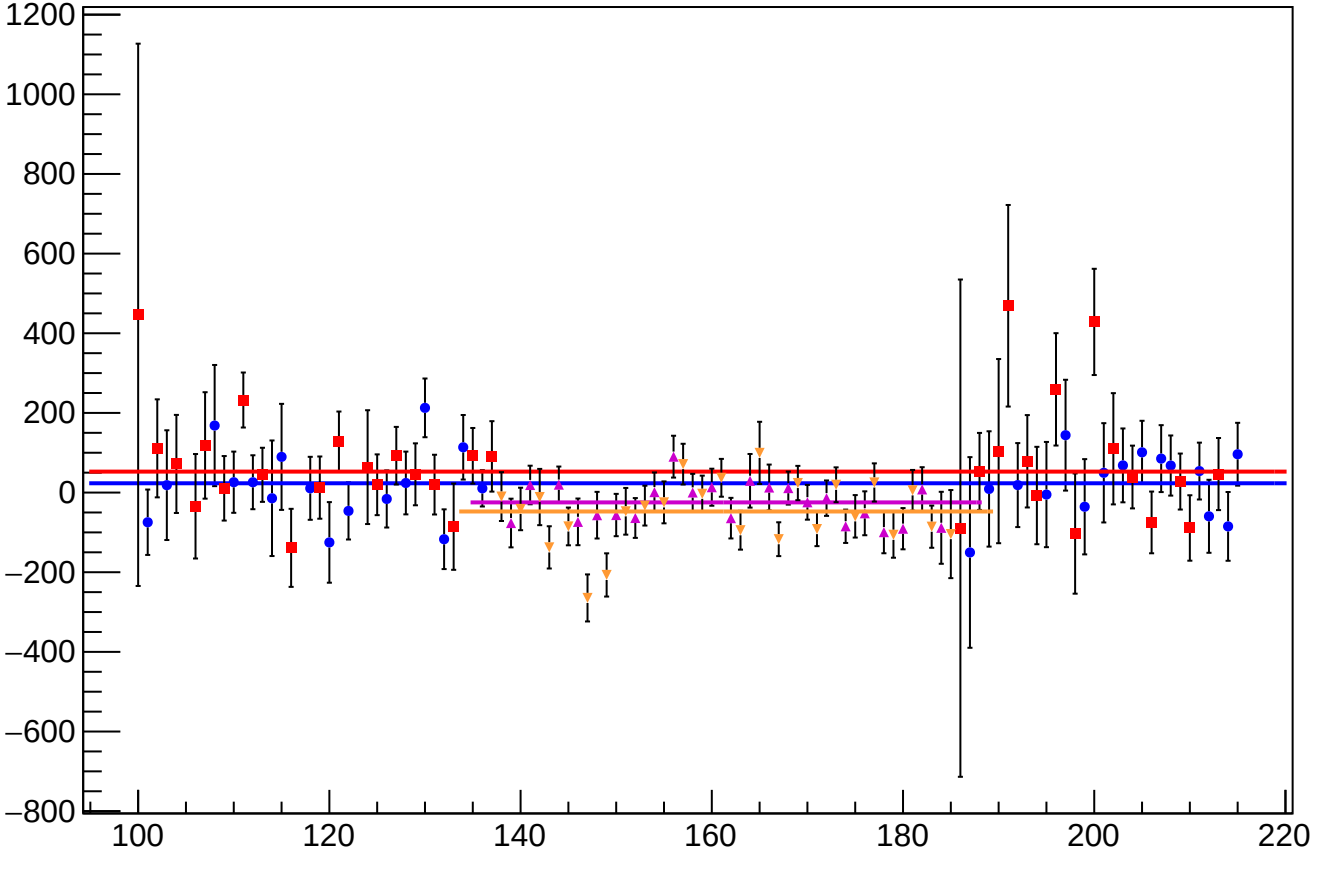
Right: 617.900+/-0.077 χ^2/NDF: 11805466.0/64

In: 358.744+/-0.046 χ^2/NDF:13938508.8/53

Out: 353.208+/-0.045 χ^2/NDF:15034612.9/58

All: 355.923+/-0.032 χ^2/NDF: 28980483.0/11

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 23.352+/-15.542 χ^2/NDF: 24.6/30

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 52.635+/-16.375 χ^2/NDF: 36.5/33

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

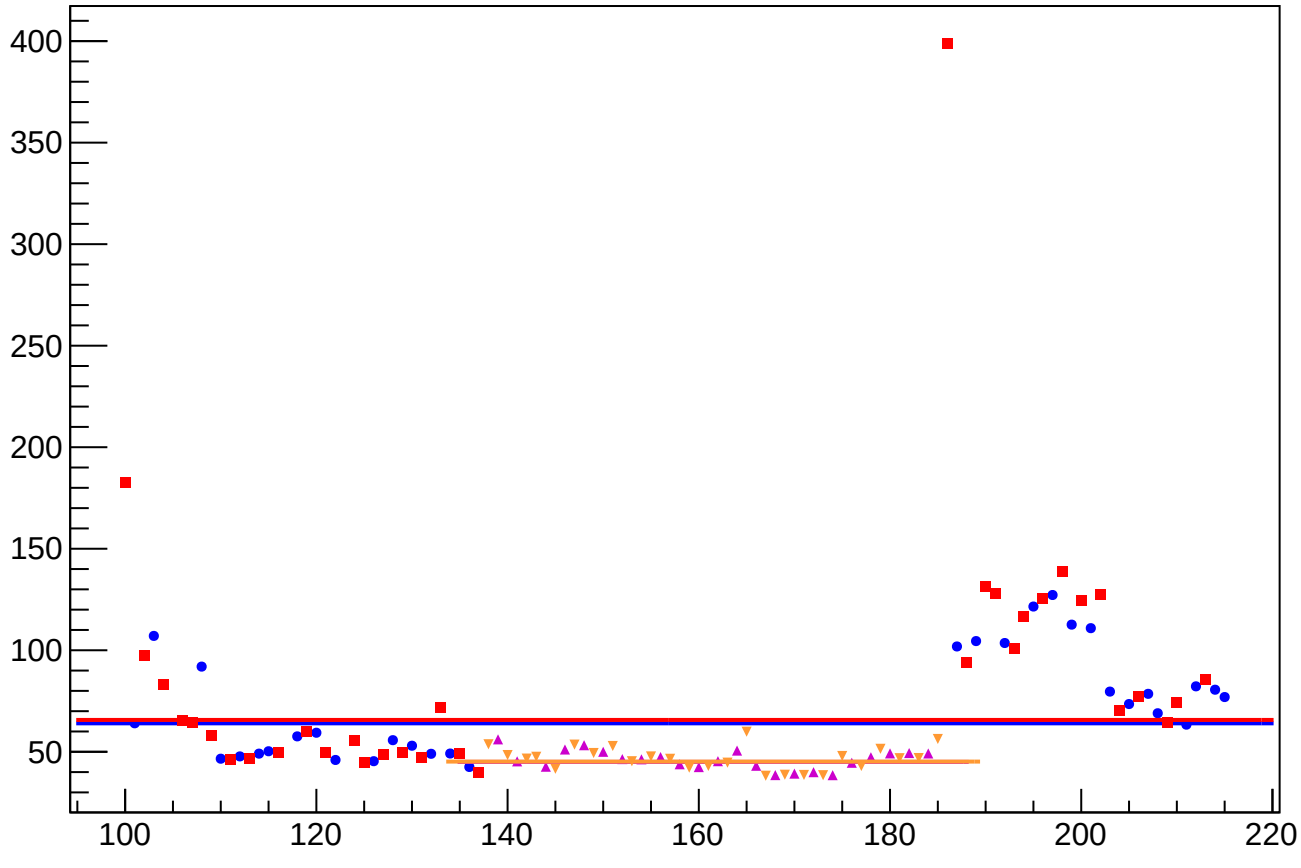
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 37.230+/-11.273 χ^2/NDF: 62.8/64

In: -9.318+/-8.791 χ^2/NDF:50.8/53

Out: -18.736+/-8.774 χ^2/NDF:117.8/58

All: -14.036+/-6.210 χ^2/NDF: 169.2/112



Right In: 64.011+/-0.011 χ^2/NDF: 3715149.3/30

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 65.689+/-0.012 χ^2/NDF: 4827882.8/33

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

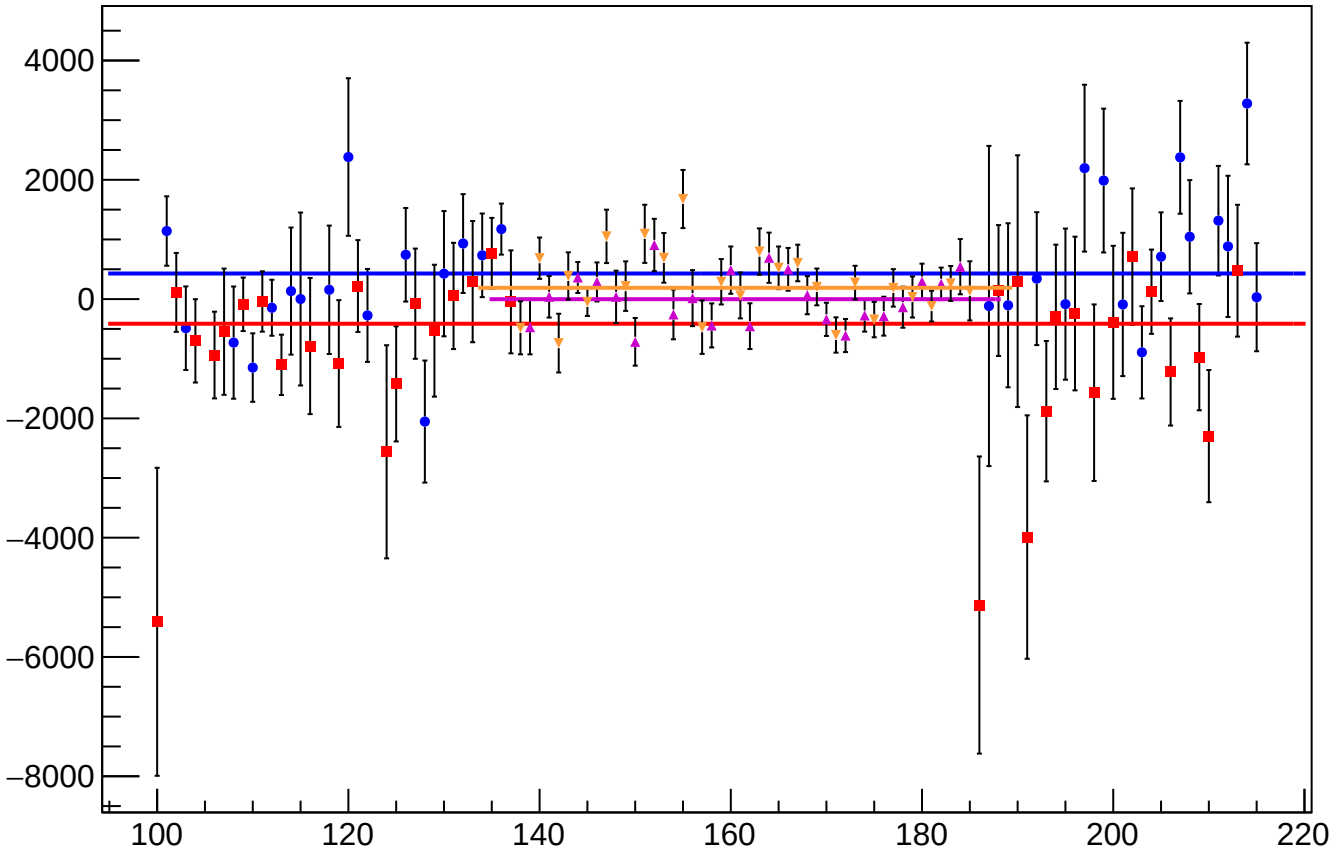
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 64.806+/-0.008 χ^2/NDF: 8554073.1/64

In: 51.094+/-0.006 χ^2/NDF:6119194.1/53

Out: 51.065+/-0.006 χ^2/NDF:7555203.2/58

All: 51.079+/-0.004 χ^2/NDF: 13674408.4/112



Right In: 429.002+/-150.175 χ^2/NDF: 47.3/30

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -413.073+/-149.750 χ^2/NDF: 32.2/33

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

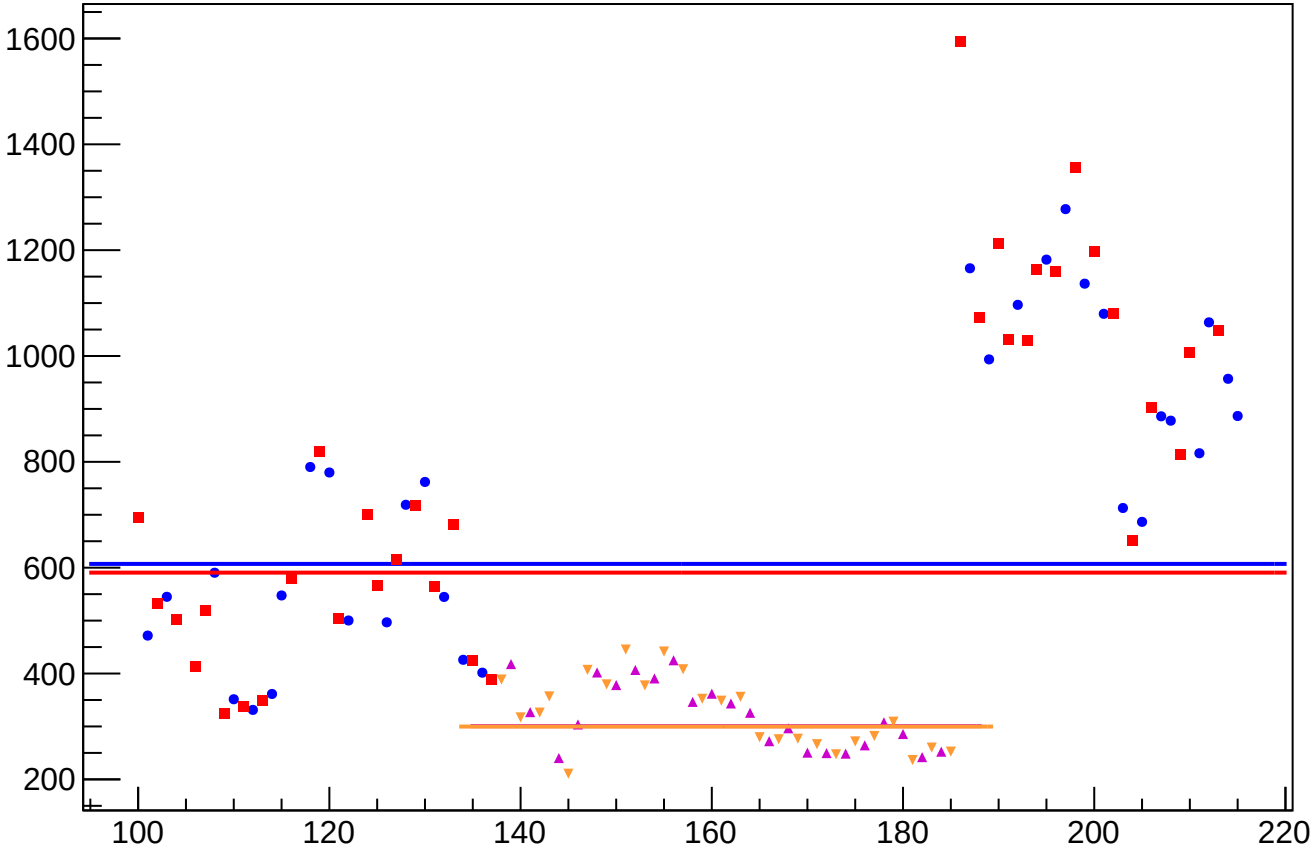
Right: 6.772+/-106.039 χ^2/NDF: 95.3/64

In: 78.313+/-64.713 χ^2/NDF:86.2/53

Out: 81.605+/-63.201 χ^2/NDF:92.3/58

All: 79.998+/-45.215 χ^2/NDF: 178.5/112

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 607.144+/-0.106 χ^2/NDF: 5585729.5/30

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 590.666+/-0.106 χ^2/NDF: 6724321.9/33

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

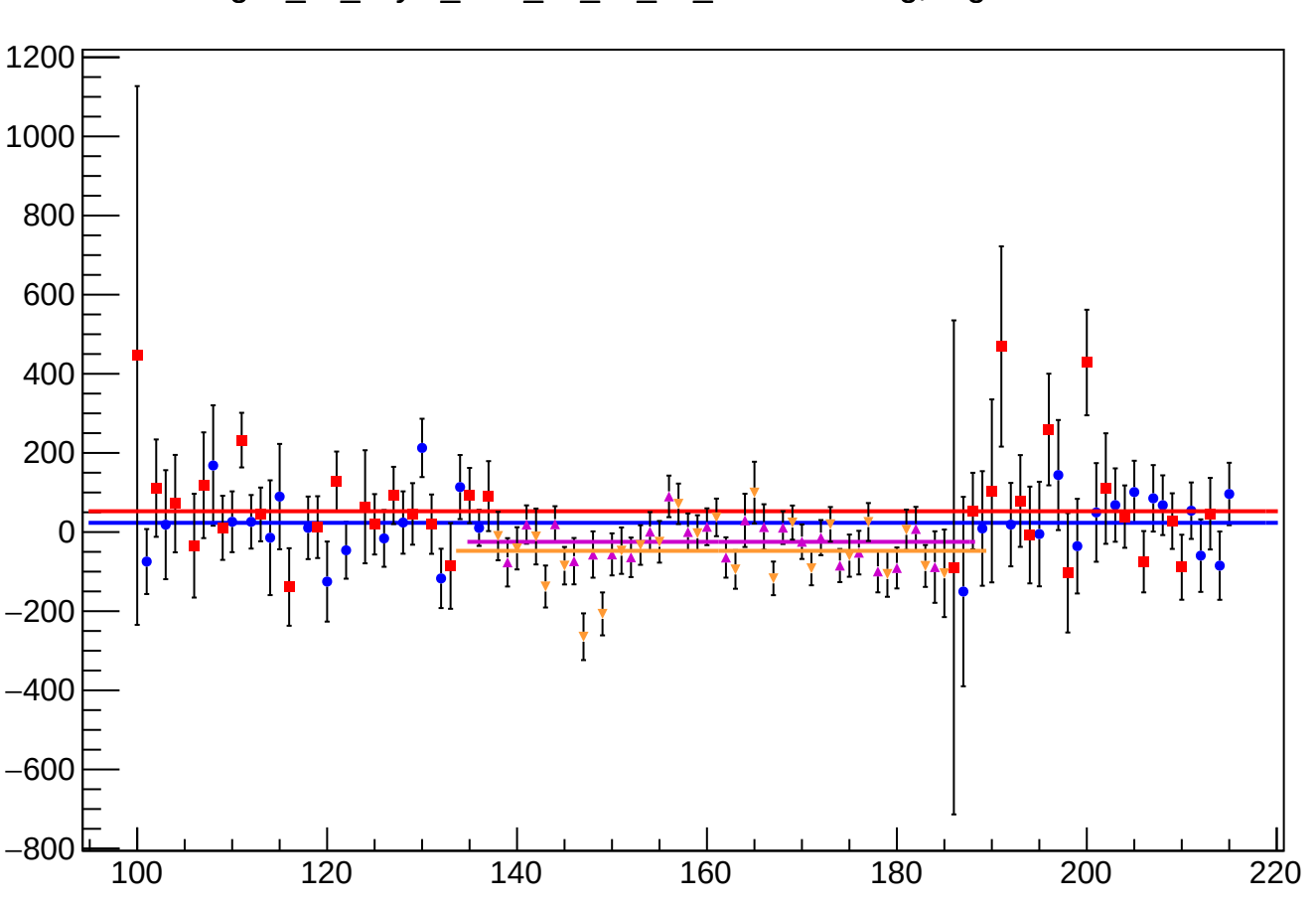
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 598.882+/-0.075 χ^2/NDF: 12322125.6/64

In: 357.476+/-0.046 χ^2/NDF:13633450.0/53

Out: 351.607+/-0.045 χ^2/NDF:14503222.9/58

All: 354.472+/-0.032 χ^2/NDF: 28145091.7/11



Right In: 23.351+/-15.542 χ^2/NDF: 24.6/30

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 52.636+/-16.375 χ^2/NDF: 36.5/33

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

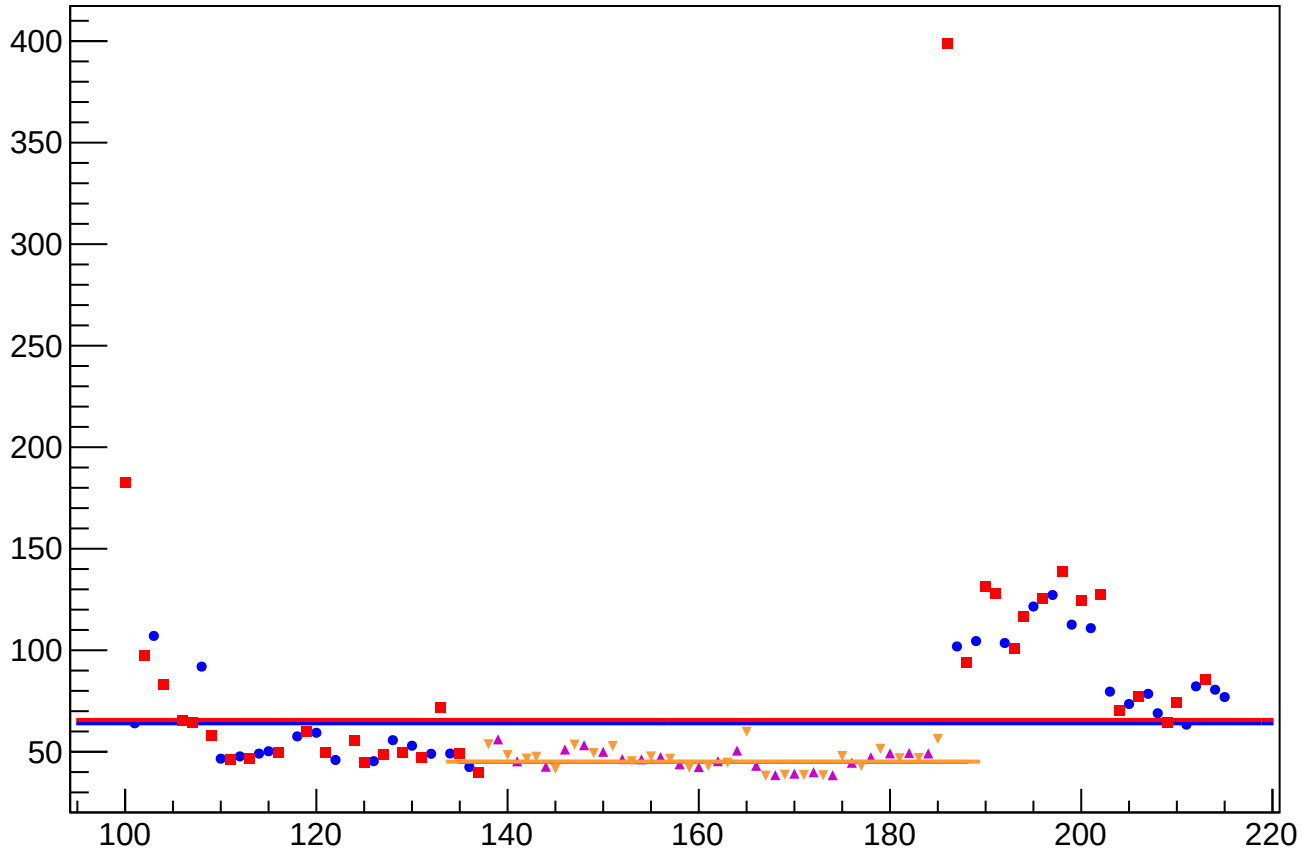
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 37.230+/-11.273 χ^2/NDF: 62.8/64

In: -9.319+/-8.791 χ^2/NDF:50.8/53

Out: -18.736+/-8.774 χ^2/NDF:117.8/58

All: -14.036+/-6.210 χ^2/NDF: 169.2/112



Right In: 64.011+/-0.011 χ^2/NDF: 3715153.8/30

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 65.689+/-0.012 χ^2/NDF: 4827886.6/33

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

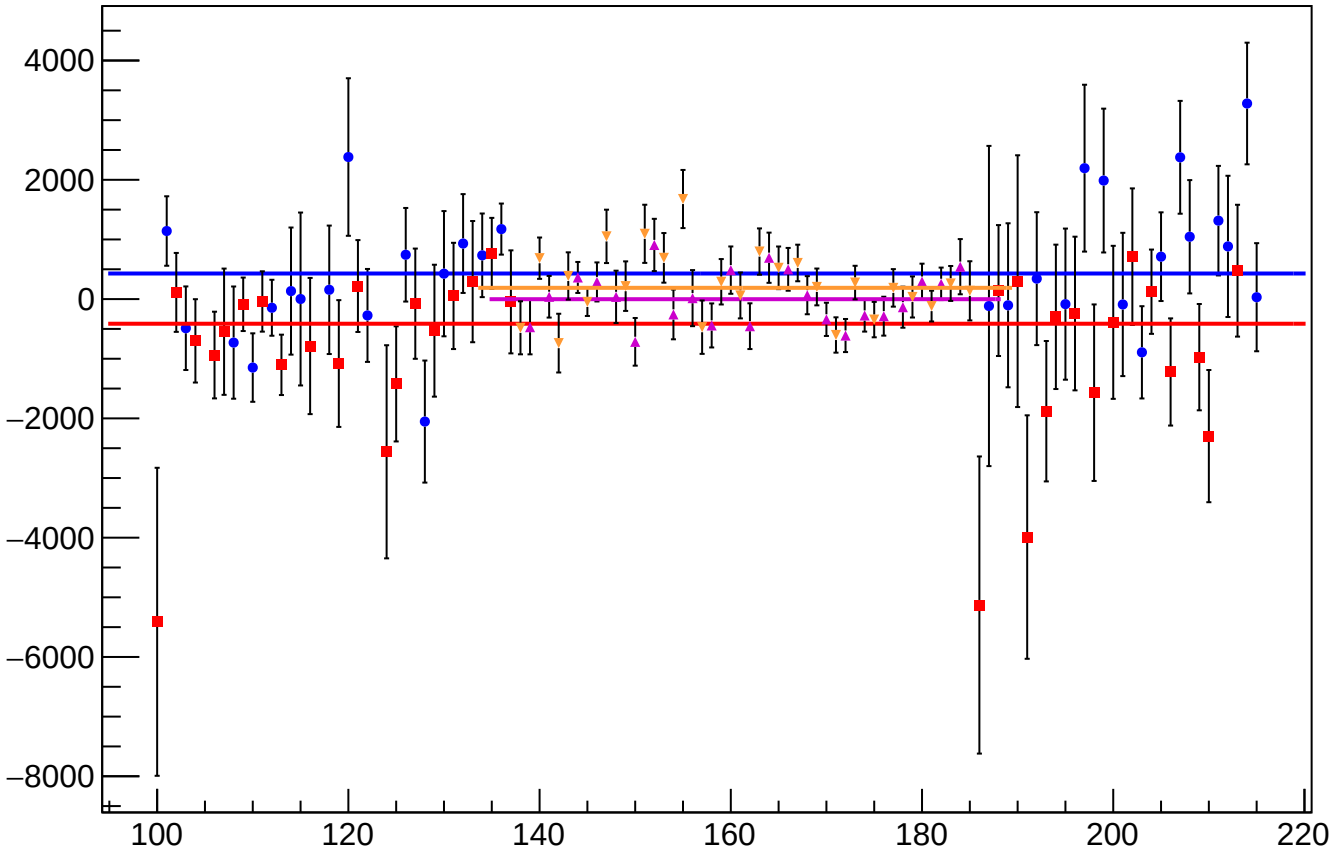
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 64.806+/-0.008 χ^2/NDF: 8554081.9/64

In: 51.094+/-0.006 χ^2/NDF:6119190.8/53

Out: 51.065+/-0.006 χ^2/NDF:7555213.7/58

All: 51.079+/-0.004 χ^2/NDF: 13674415.5/112



Right In: 429.000+/-150.175 χ^2/NDF: 47.3/30

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -413.073+/-149.750 χ^2/NDF: 32.2/33

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

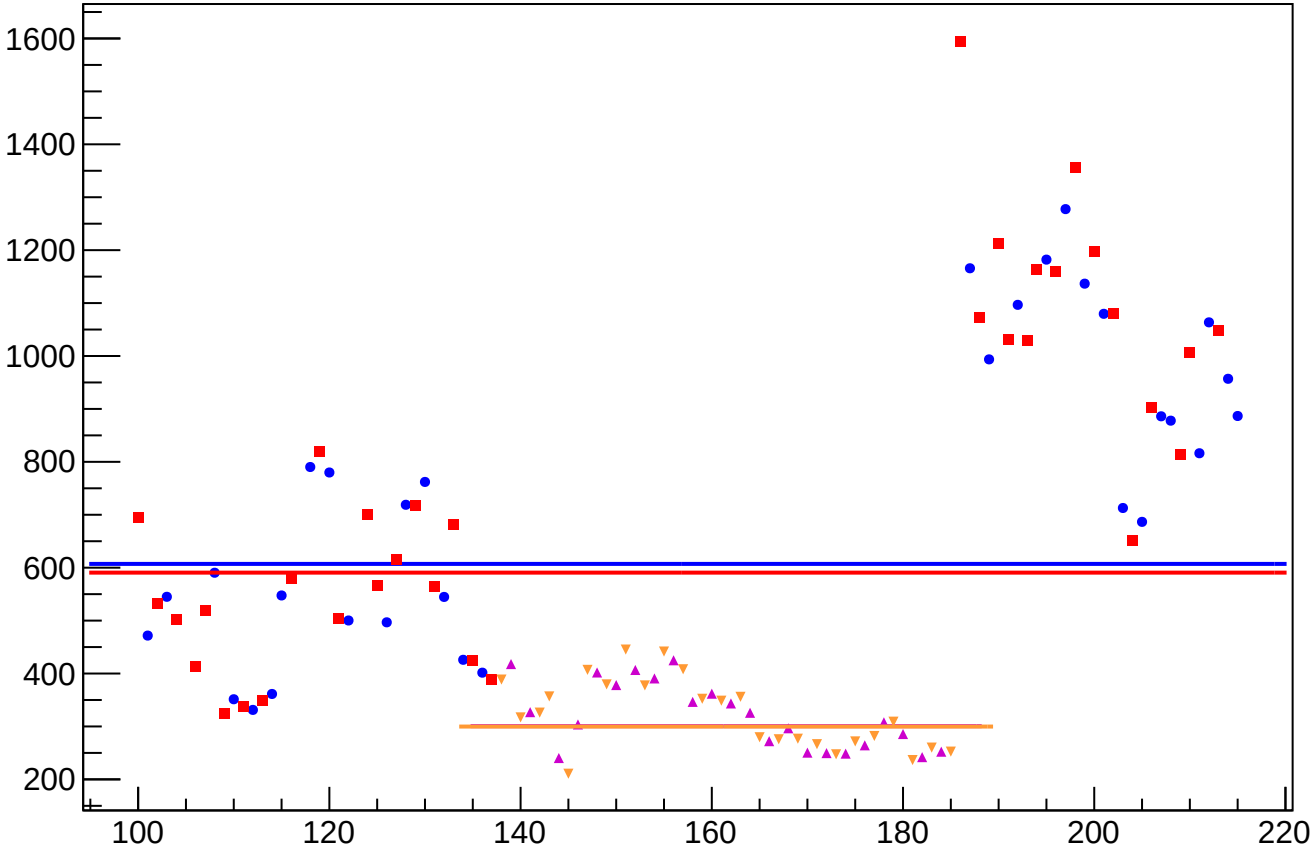
Right: 6.771+/-106.039 χ^2/NDF: 95.3/64

In: 78.313+/-64.713 χ^2/NDF:86.2/53

Out: 81.605+/-63.201 χ^2/NDF:92.3/58

All: 79.998+/-45.215 χ^2/NDF: 178.5/112

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 607.143+/-0.106 χ^2/NDF: 5585749.4/30

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 590.665+/-0.106 χ^2/NDF: 6724335.1/33

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

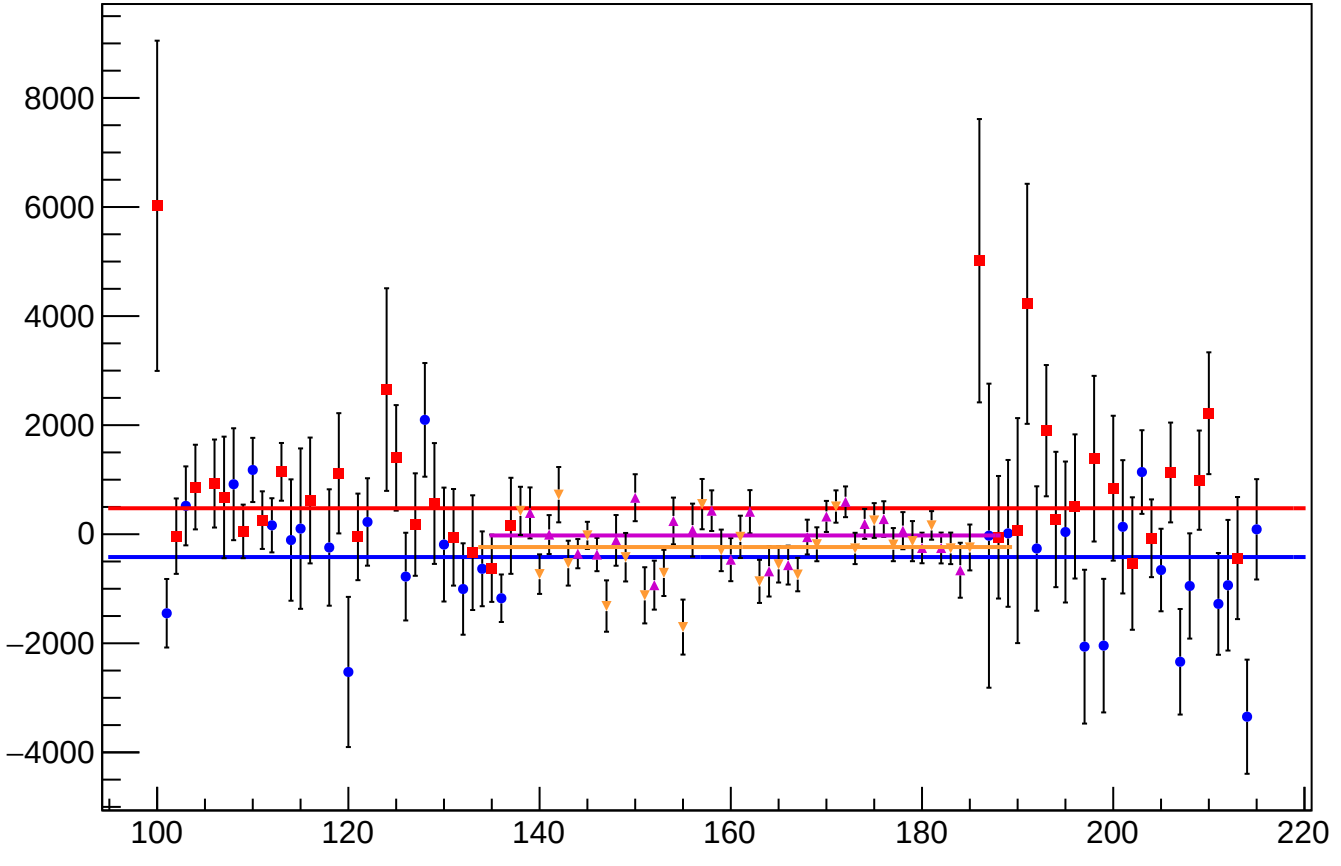
Right: 598.881+/-0.075 χ^2/NDF: 12322158.8/64

In: 357.476+/-0.046 χ^2/NDF:13633419.4/53

Out: 351.607+/-0.045 χ^2/NDF:14503202.4/58

All: 354.473+/-0.032 χ^2/NDF: 28145041.3/11

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -418.588+/-153.980 χ^2/NDF: 48.9/30

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 476.283+/-156.157 χ^2/NDF: 27.8/33

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

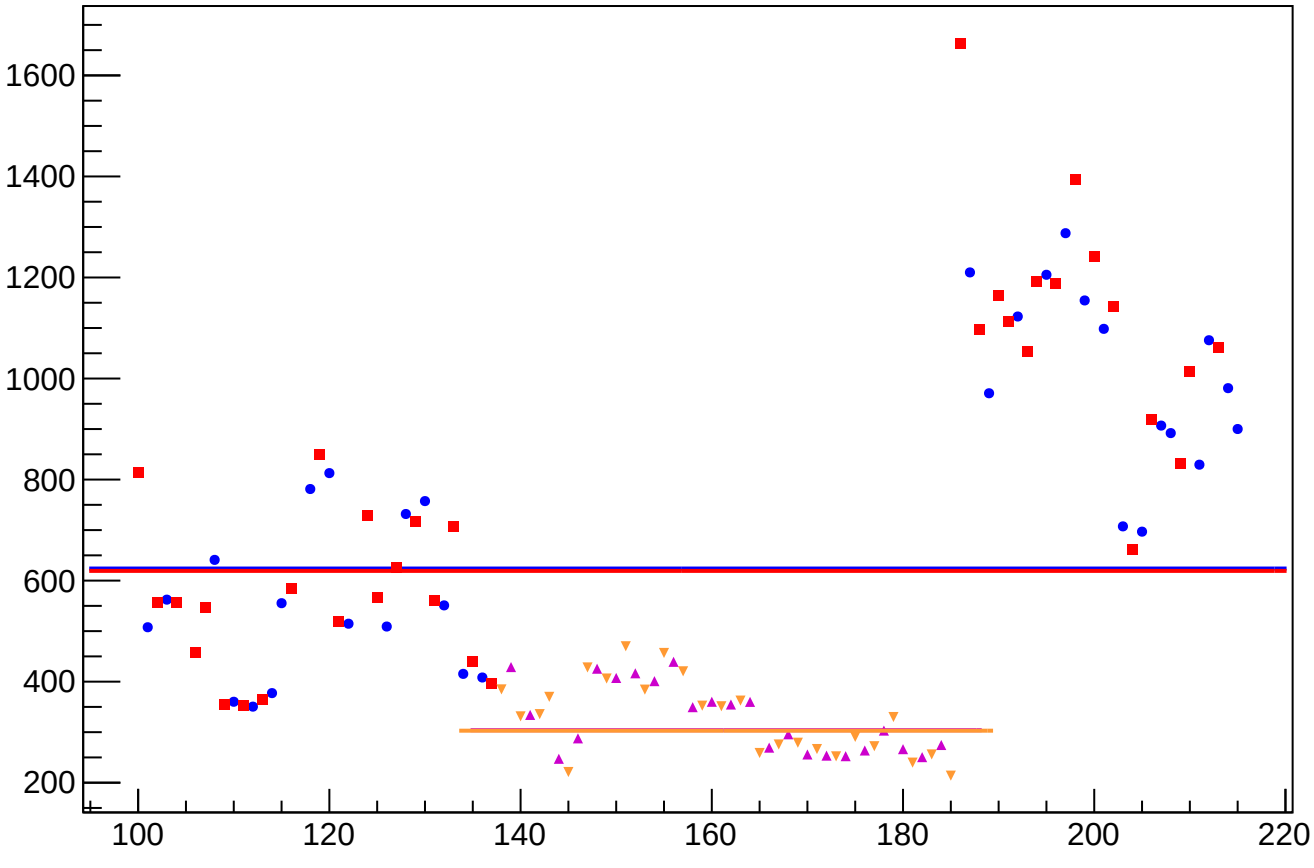
Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

Right: 22.567+/-109.642 χ^2/NDF: 93.3/64

In: -94.739+/-65.698 χ^2/NDF:84.2/53

Out: -114.024+/-64.438 χ^2/NDF:92.5/58

All: -104.568+/-46.003 χ^2/NDF: 176.7/112



Right In: 623.895+/-0.109 χ^2/NDF: 5387687.3/30

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 619.253+/-0.110 χ^2/NDF: 6354922.0/33

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

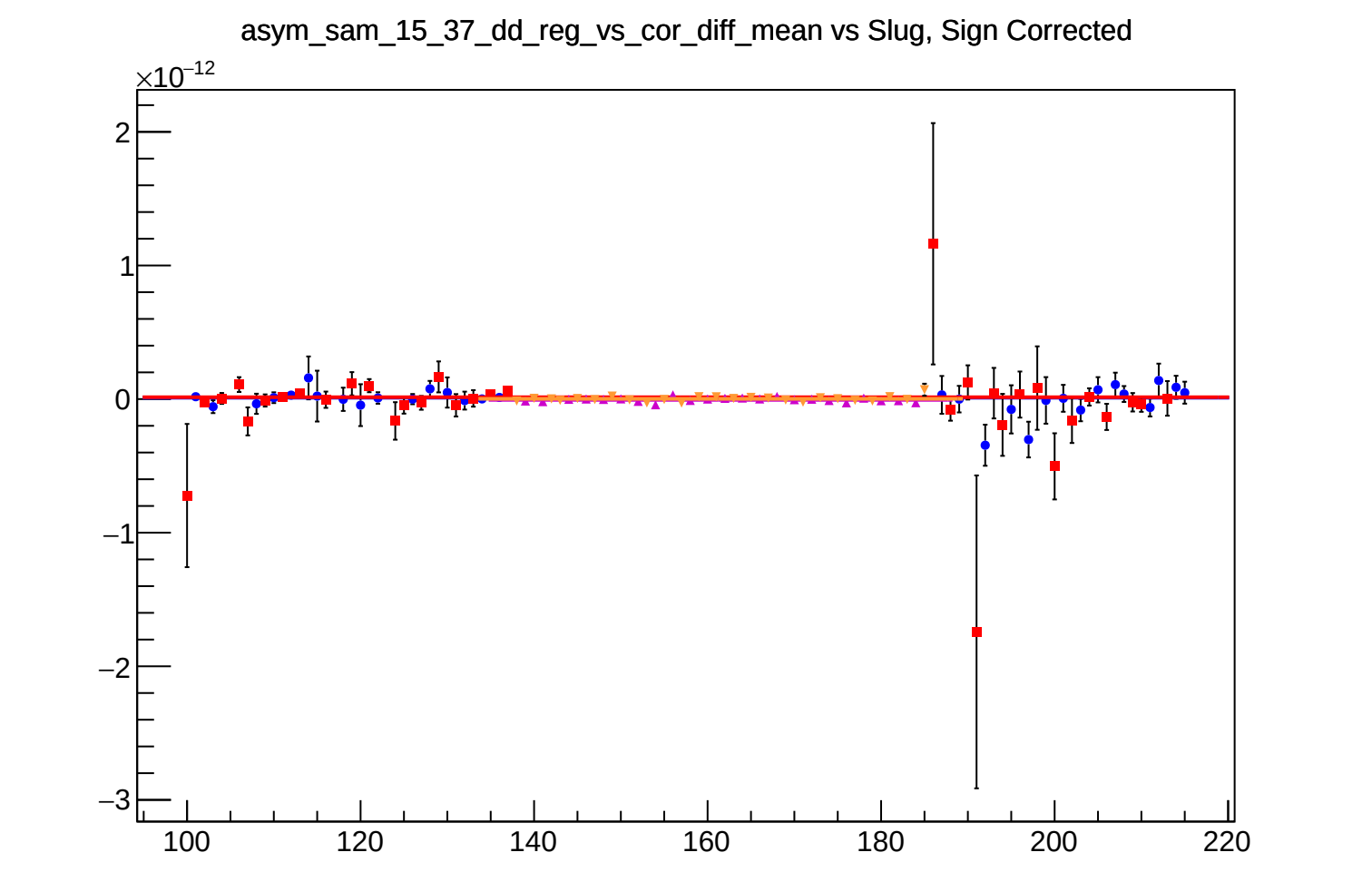
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 621.607+/-0.078 χ^2/NDF: 11743505.3/64

In: 362.172+/-0.046 χ^2/NDF:13828045.1/53

Out: 356.804+/-0.046 χ^2/NDF:14929730.9/58

All: 359.436+/-0.033 χ^2/NDF: 28764582.7/1



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/33

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

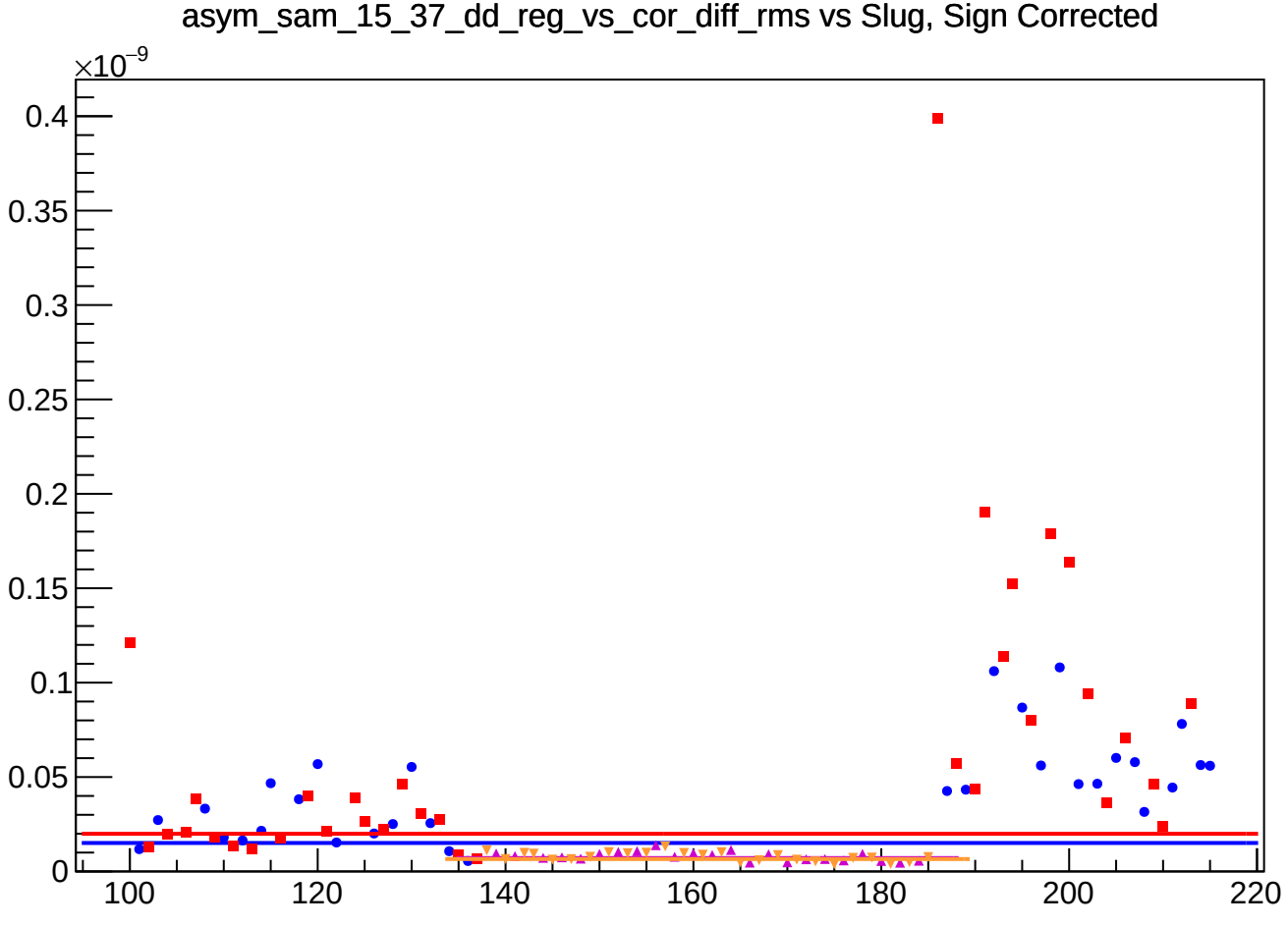
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 62.7/64

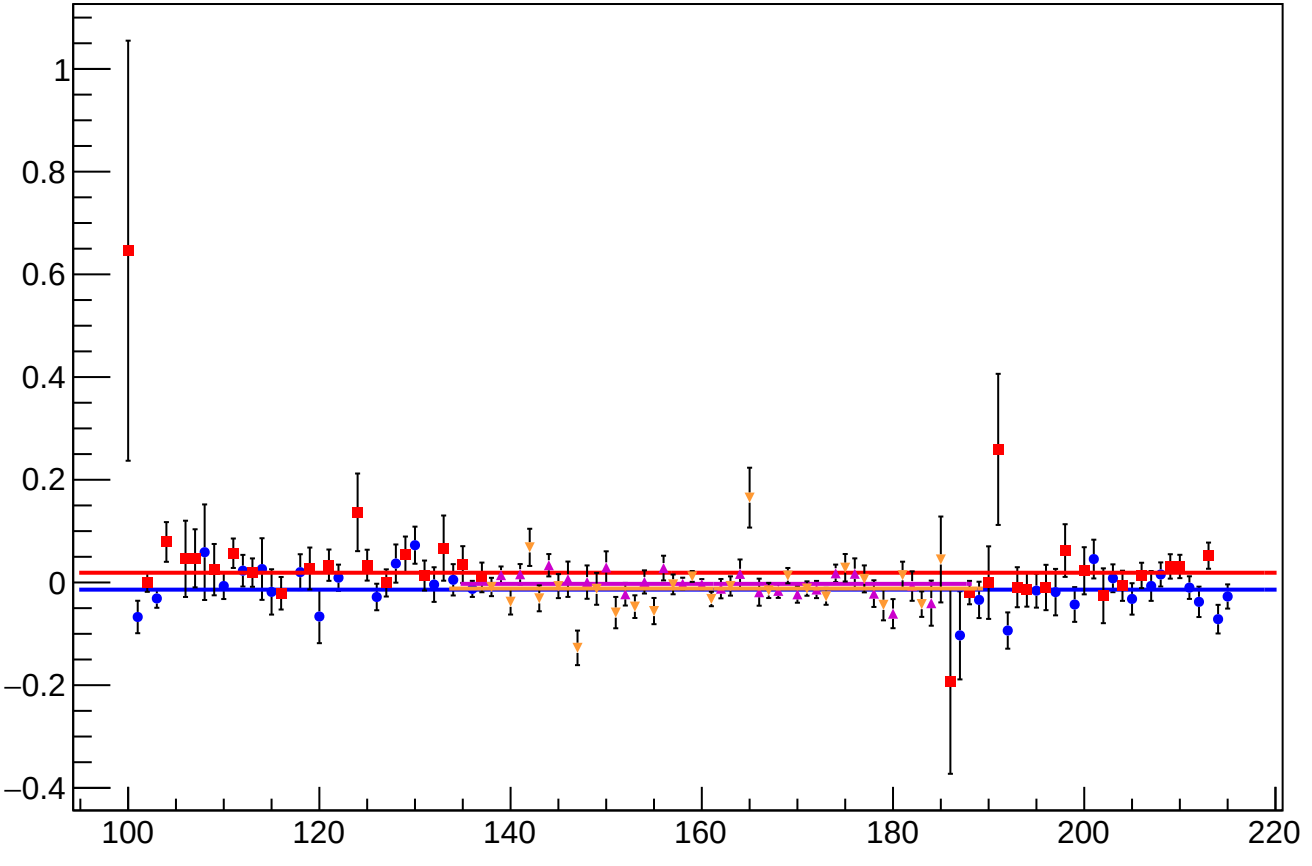
In: -0.000+/-0.000 χ^2/NDF:45.2/53

Out: 0.000+/-0.000 χ^2/NDF:64.0/58

All: -0.000+/-0.000 χ^2/NDF: 112.6/112


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7955893.8/30
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6903877.2/33
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 15173070.6/64
In: 0.000+/-0.000 χ²/NDF:10873040.3/53
Out: 0.000+/-0.000 χ²/NDF:11964442.5/58
All: 0.000+/-0.000 χ²/NDF: 22886024.7/112

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.005 χ^2/NDF: 35.1/30

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.006 χ^2/NDF: 28.4/33

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

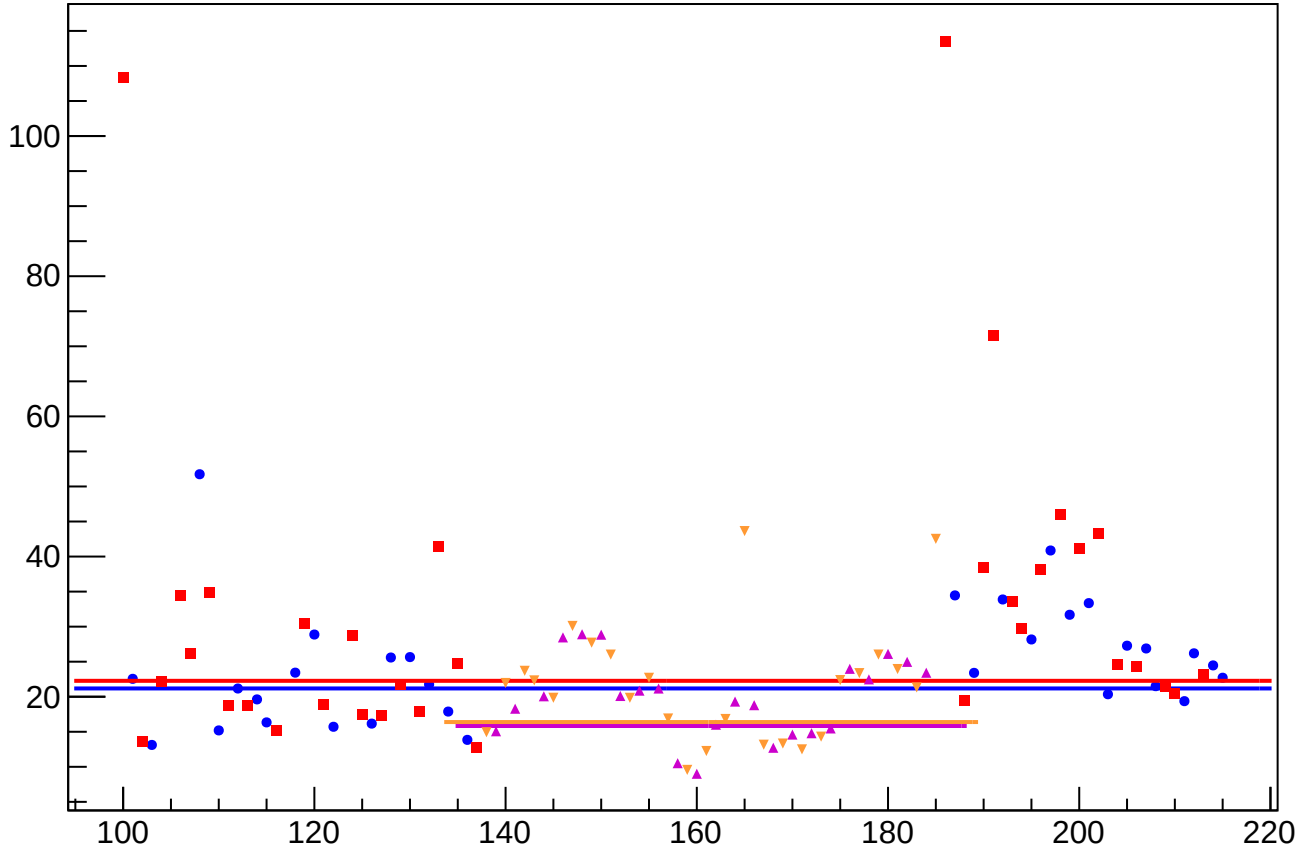
Right: 0.001+/-0.004 χ^2/NDF: 81.3/64

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 160.0/112

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.181+/-0.004 χ^2/NDF: 2940430.7/30

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.269+/-0.004 χ^2/NDF: 4114861.8/33

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

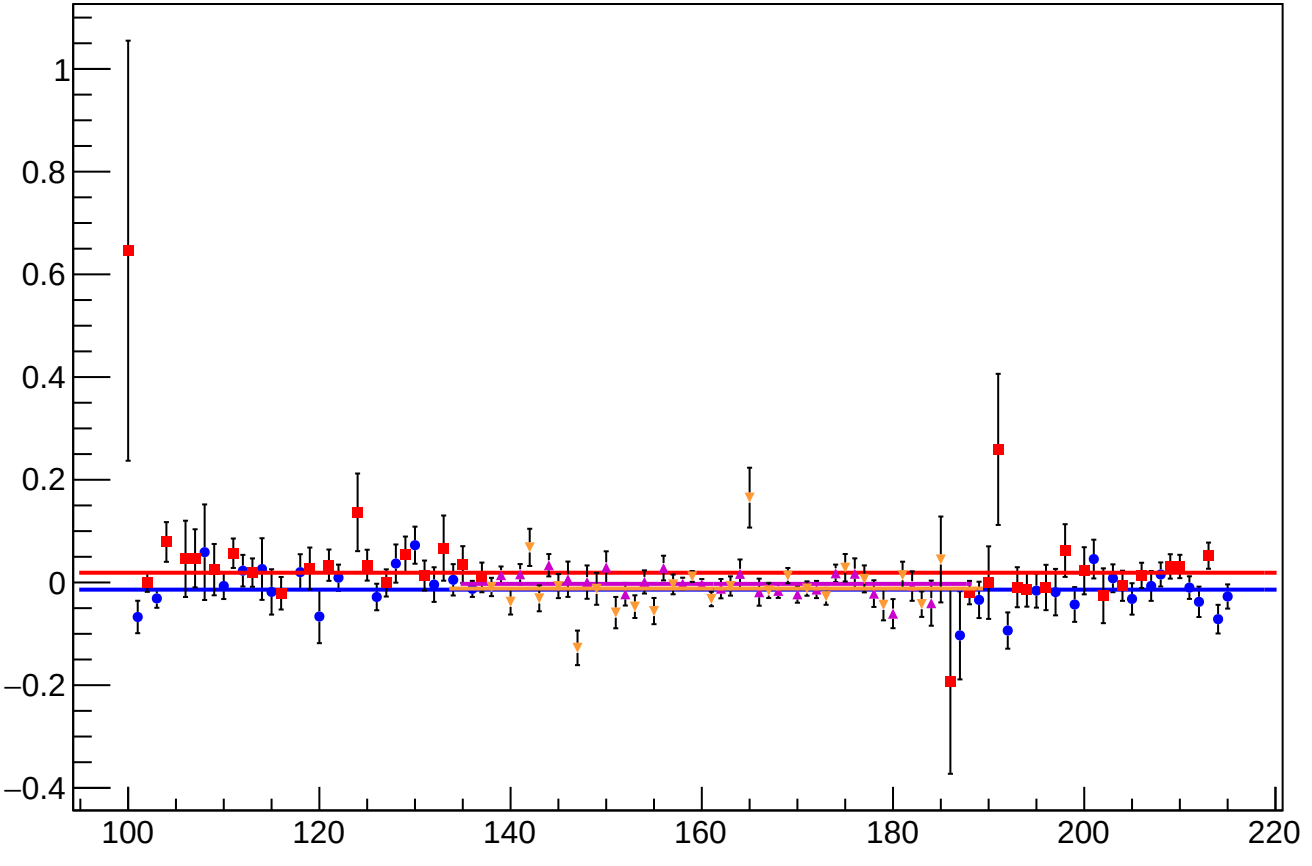
Right: 21.680+/-0.003 χ^2/NDF: 7094034.4/64

In: 17.797+/-0.002 χ^2/NDF:7890307.3/53

Out: 18.347+/-0.002 χ^2/NDF:9539078.6/58

All: 18.063+/-0.002 χ^2/NDF: 17457762.8/112

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.005 χ^2/NDF: 35.1/30

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.006 χ^2/NDF: 28.4/33

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

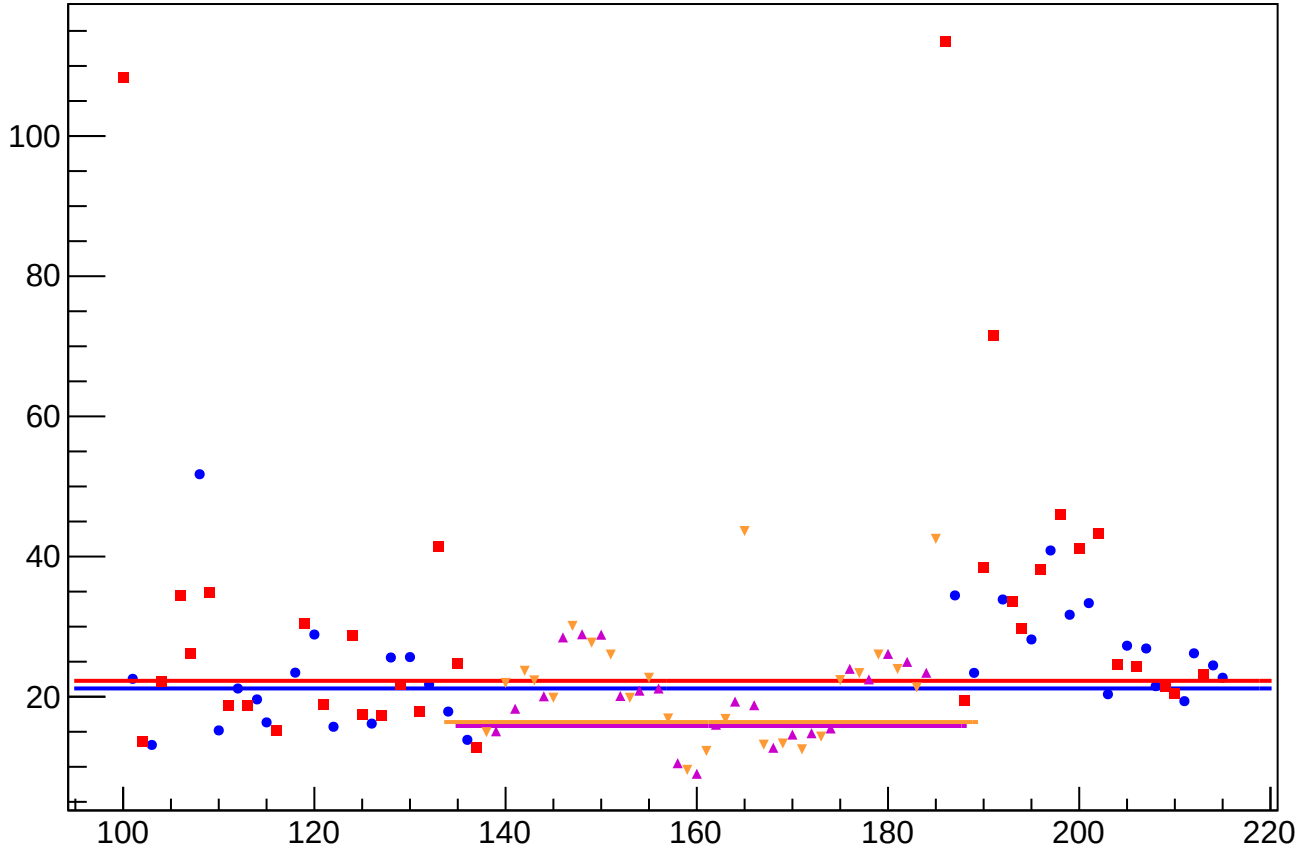
Right: 0.001+/-0.004 χ^2/NDF: 81.3/64

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 160.0/112

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.181+/-0.004 χ^2/NDF: 2940430.7/30

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.269+/-0.004 χ^2/NDF: 4114861.8/33

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

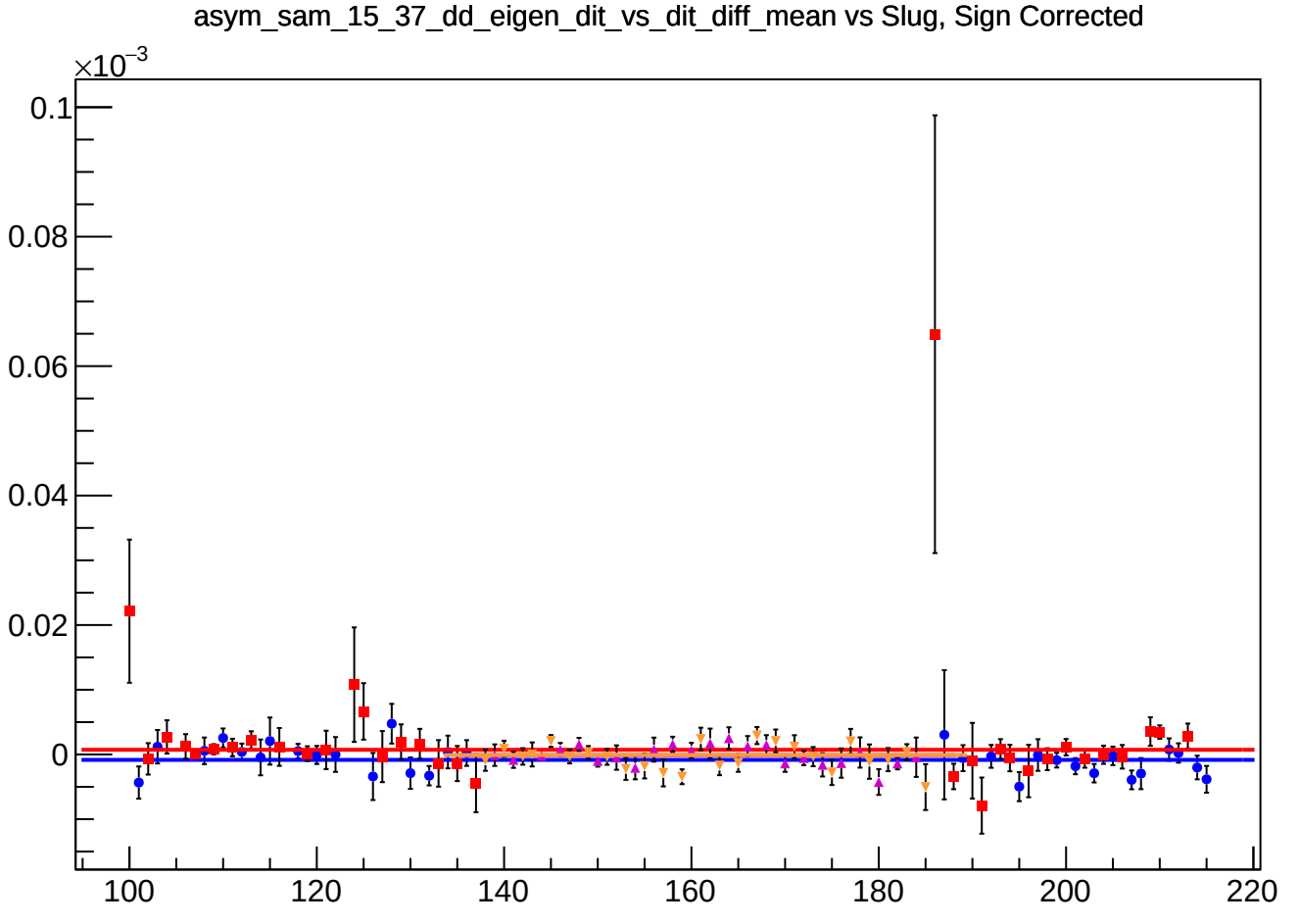
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.680+/-0.003 χ^2/NDF: 7094034.4/64

In: 17.797+/-0.002 χ^2/NDF:7890307.3/53

Out: 18.347+/-0.002 χ^2/NDF:9539078.6/58

All: 18.063+/-0.002 χ^2/NDF: 17457762.8/112



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.4/33

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

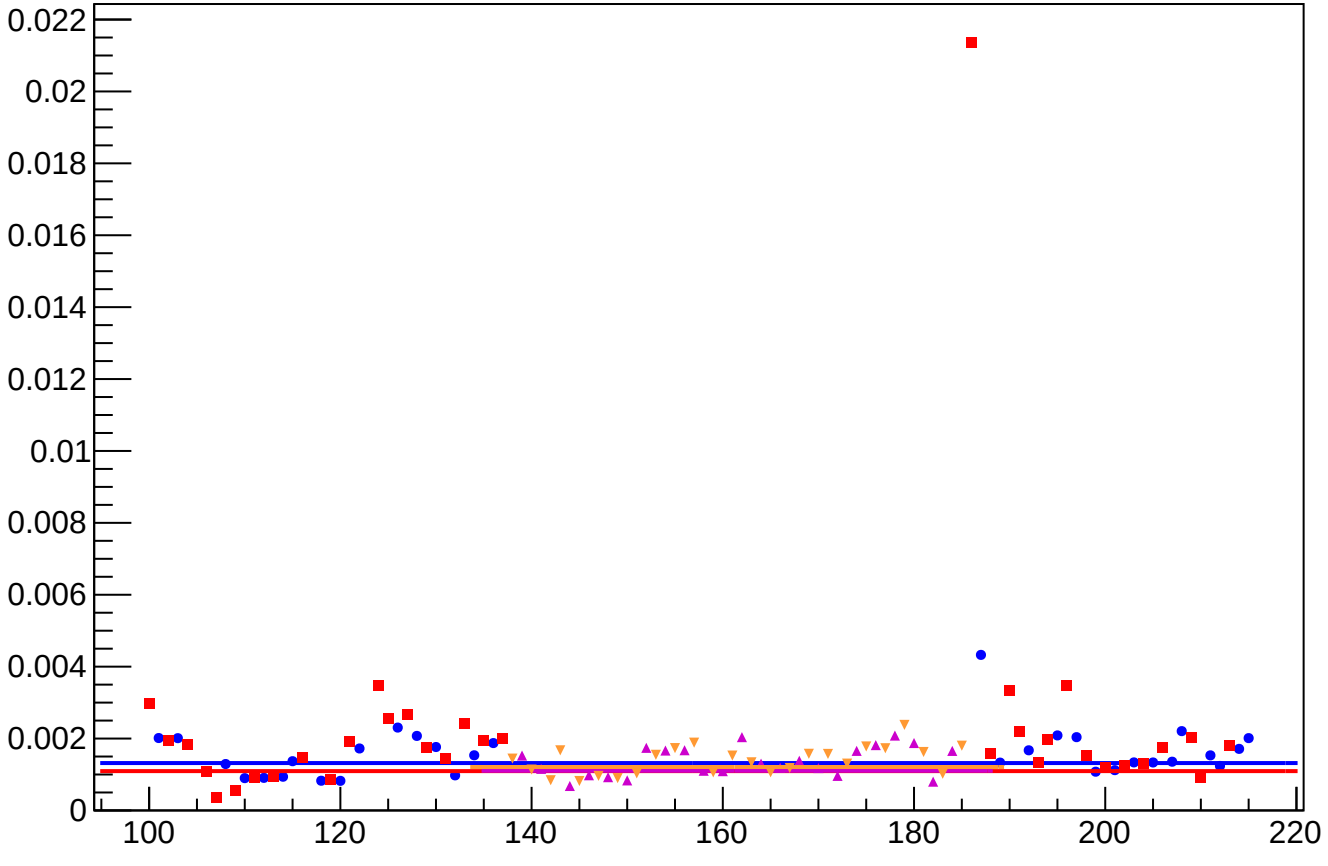
Right: 0.000+/-0.000 χ^2/NDF: 86.7/64

In: -0.000+/-0.000 χ^2/NDF:60.3/53

Out: 0.000+/-0.000 χ^2/NDF:78.4/58

All: -0.000+/-0.000 χ^2/NDF: 144.9/112

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3436007.7/30

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8655407.9/33

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

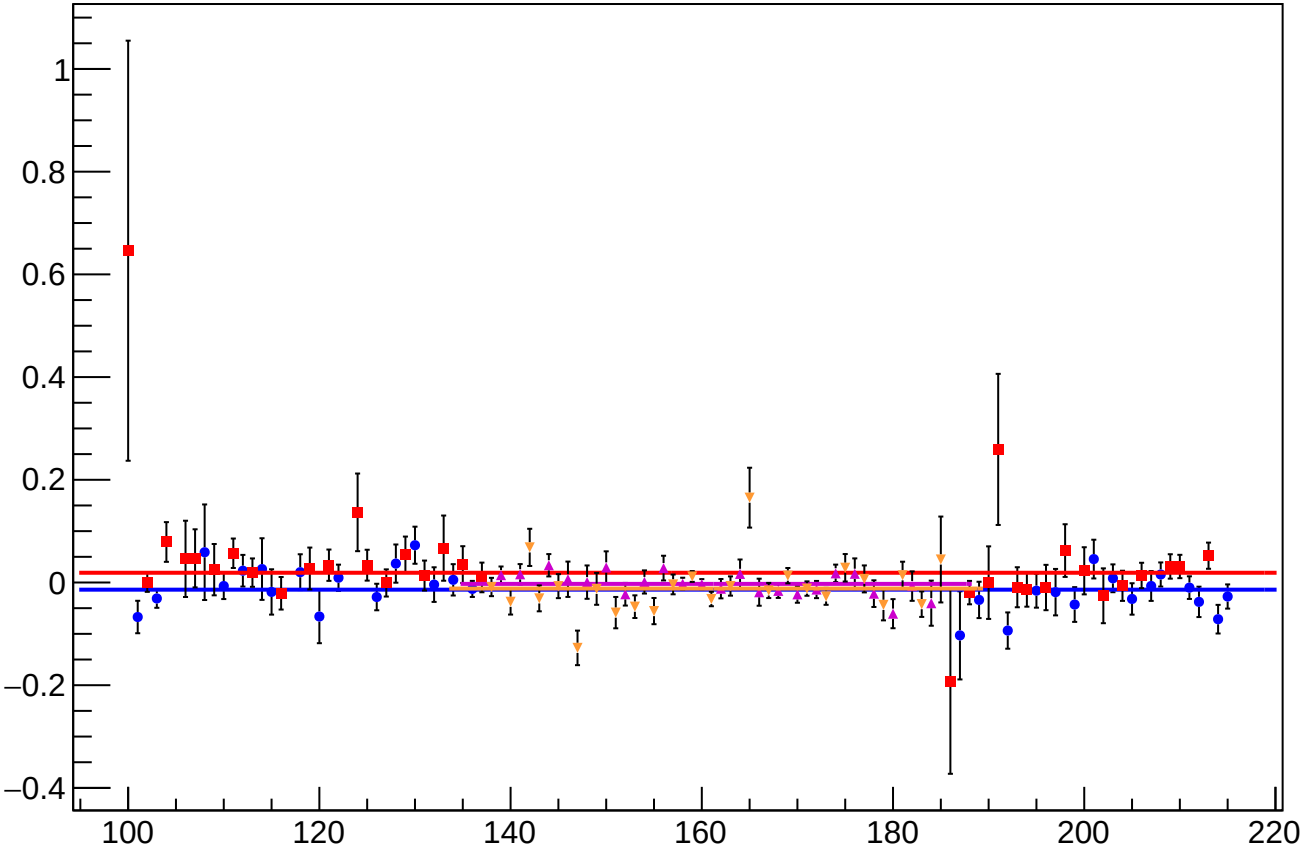
Right: 0.001+/-0.000 χ^2/NDF: 12626378.4/64

In: 0.001+/-0.000 χ^2/NDF:7450649.9/53

Out: 0.001+/-0.000 χ^2/NDF:11529190.4/58

All: 0.001+/-0.000 χ^2/NDF: 19022437.3/112

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.005 χ^2/NDF: 35.1/30

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.006 χ^2/NDF: 28.4/33

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

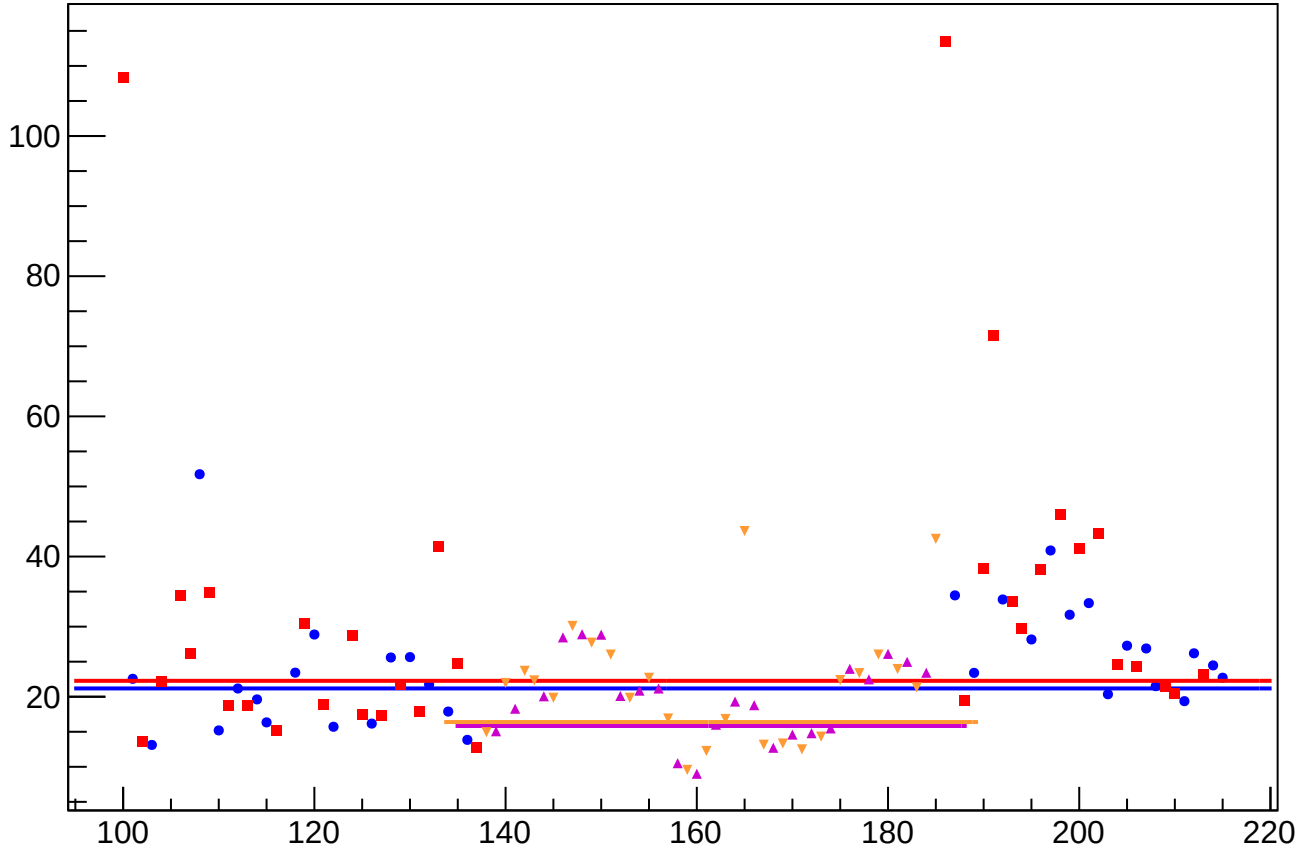
Right: 0.001+/-0.004 χ^2/NDF: 81.3/64

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 160.0/112

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.181+/-0.004 χ^2/NDF: 2940455.0/30

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.269+/-0.004 χ^2/NDF: 4114604.6/33

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

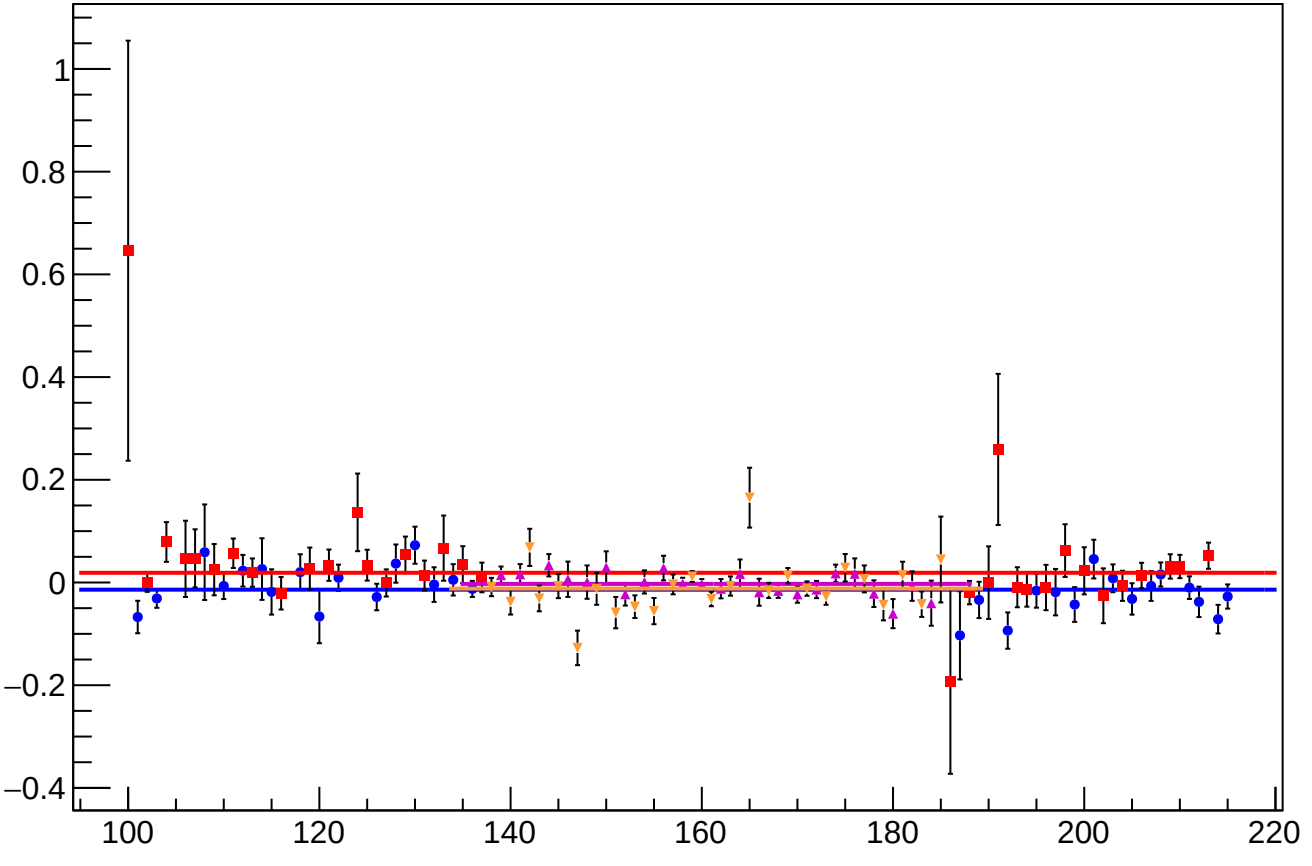
Right: 21.680+/-0.003 χ^2/NDF: 7093828.6/64

In: 17.797+/-0.002 χ^2/NDF:7890824.0/53

Out: 18.347+/-0.002 χ^2/NDF:9539329.5/58

All: 18.063+/-0.002 χ^2/NDF: 17458544.1/112

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.005 χ^2/NDF: 35.1/30

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.006 χ^2/NDF: 28.4/33

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

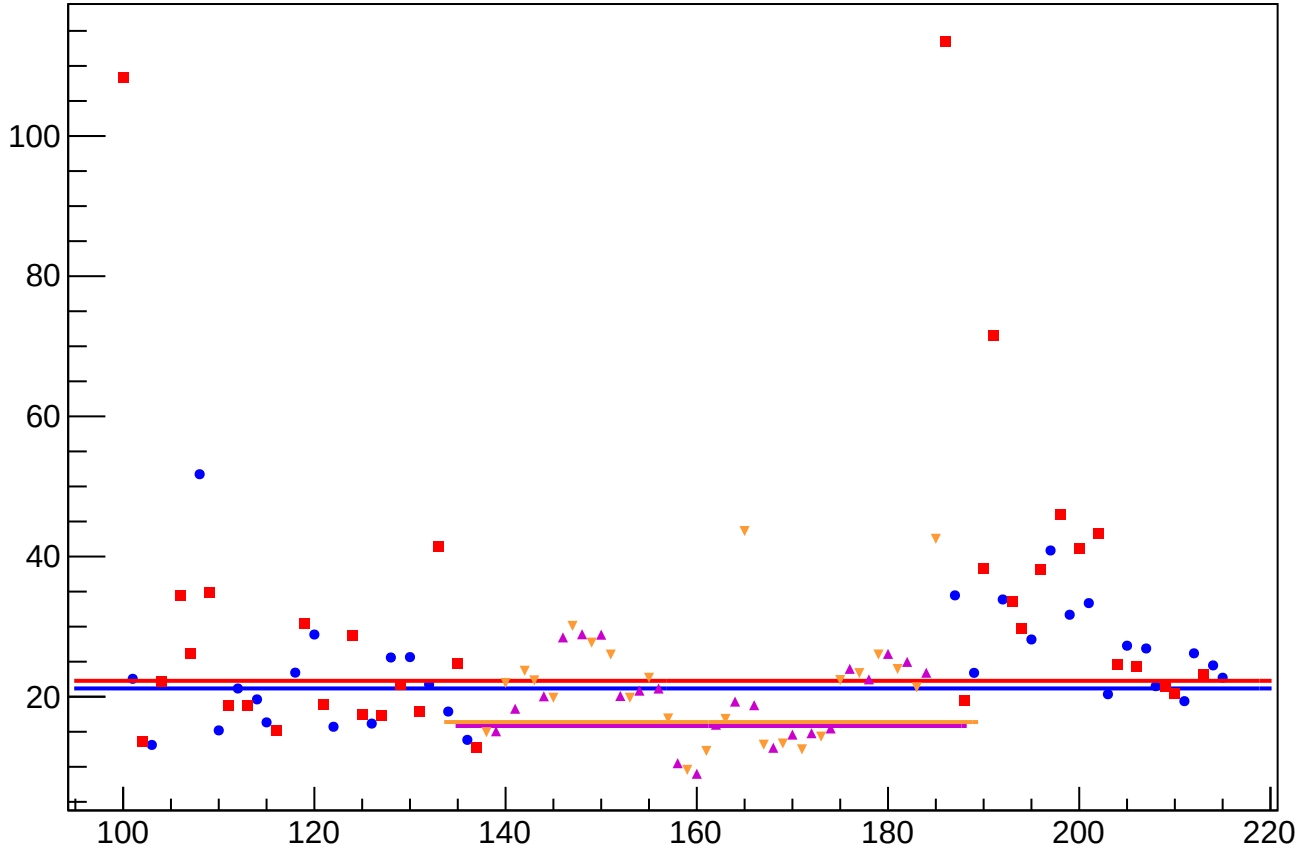
Right: 0.001+/-0.004 χ^2/NDF: 81.3/64

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.002+/-0.003 χ^2/NDF:100.9/58

All: -0.004+/-0.002 χ^2/NDF: 160.0/112

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: 2940455.0/30

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.269+/-0.004 χ^2/NDF: 4114604.6/33

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

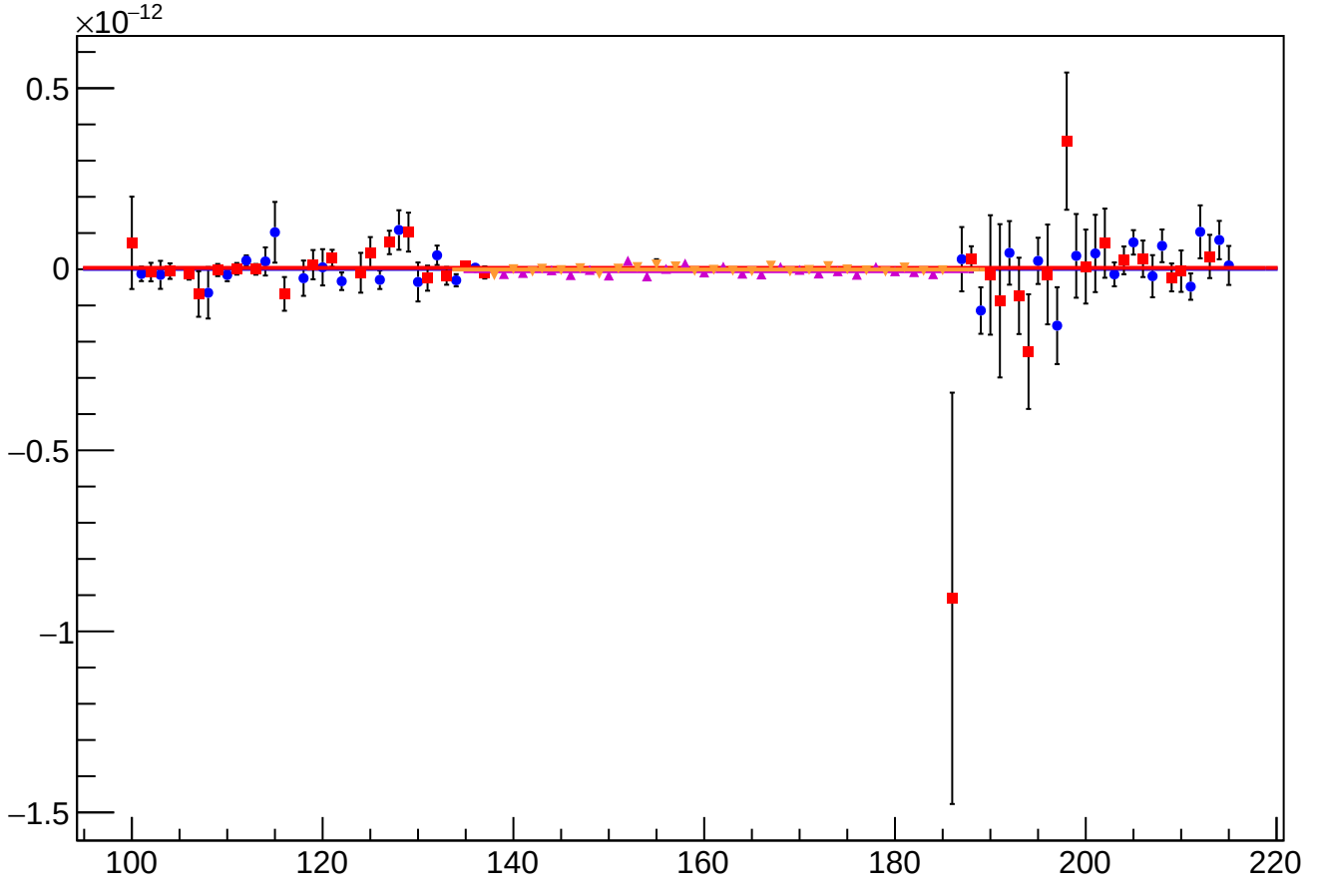
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.680+/-0.003 χ^2/NDF: 7093828.6/64

In: 17.797+/-0.002 χ^2/NDF:7890824.0/53

Out: 18.347+/-0.002 χ^2/NDF:9539329.5/58

All: 18.063+/-0.002 χ^2/NDF: 17458544.1/112



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/33

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

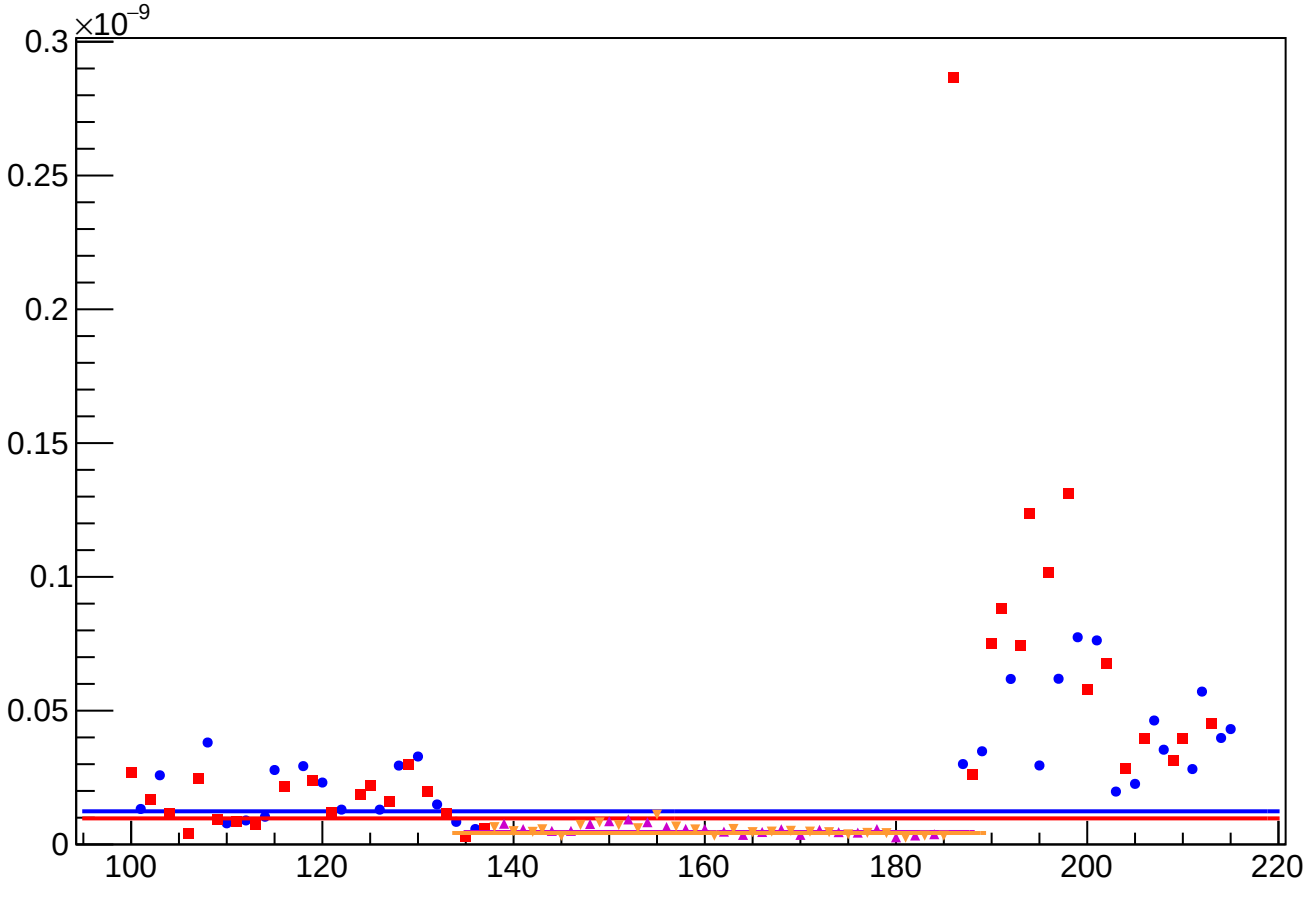
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 70.1/64

In: -0.000+/-0.000 χ^2/NDF:79.1/53

Out: -0.000+/-0.000 χ^2/NDF:50.5/58

All: -0.000+/-0.000 χ^2/NDF: 135.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 9944483.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12738511.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

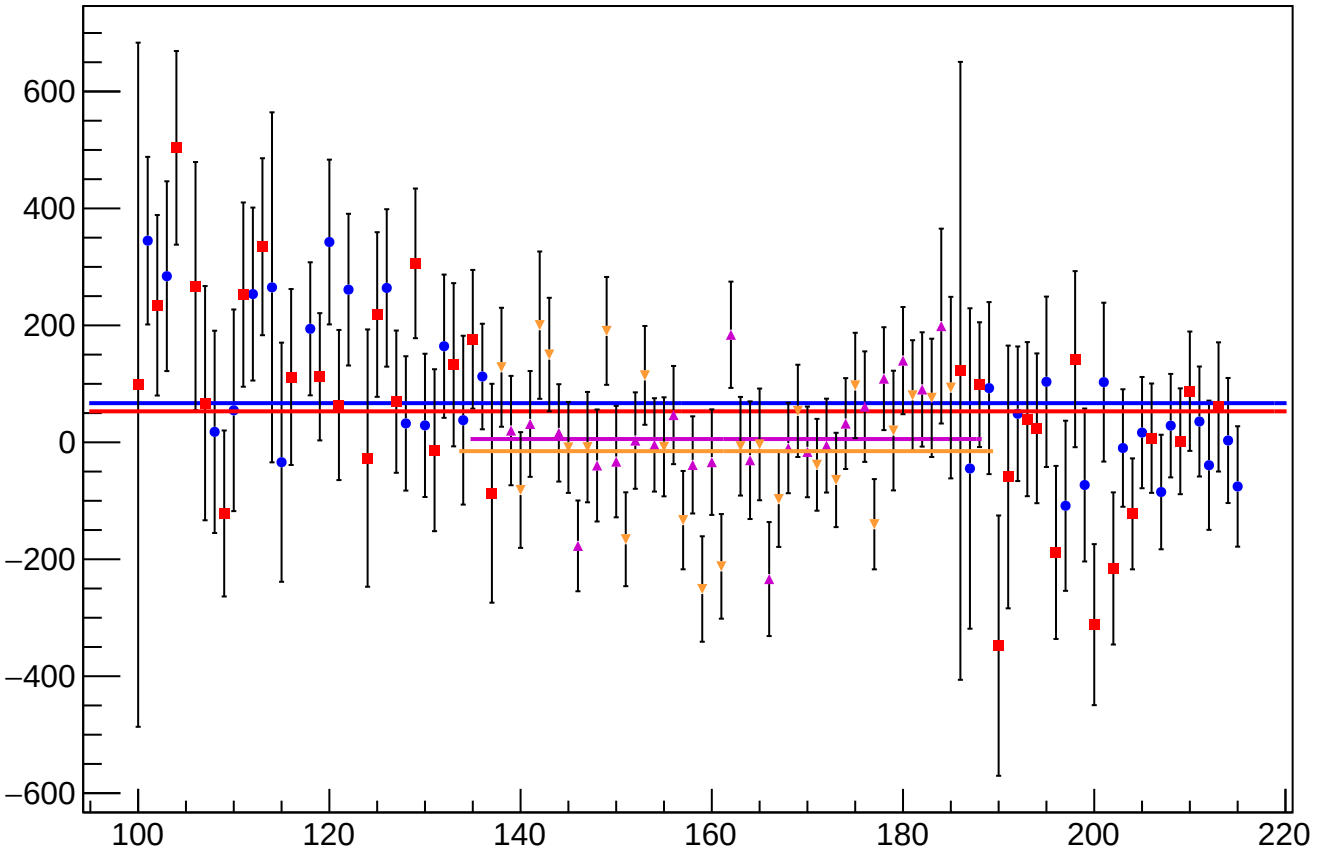
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 23022256.9/64

In: 0.000+/-0.000 χ^2/NDF:17325111.0/53

Out: 0.000+/-0.000 χ^2/NDF:18245045.5/58

All: 0.000+/-0.000 χ^2/NDF: 35752373.5/112



Right In: 66.996+/-22.268 χ^2/NDF: 28.2/30

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 52.988+/-23.368 χ^2/NDF: 46.6/33

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

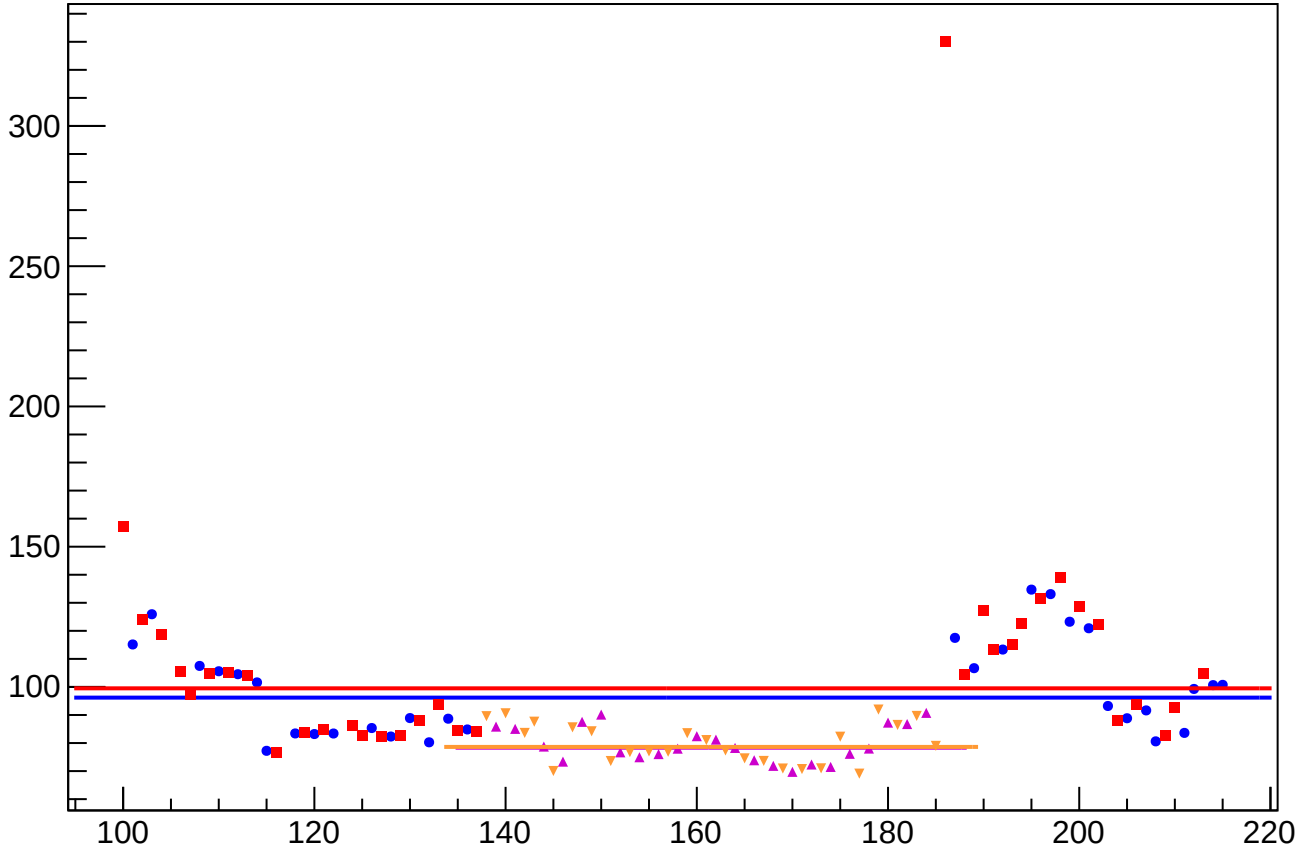
Right: 60.329+/-16.121 χ^2/NDF: 75.0/64

In: 30.499+/-14.176 χ^2/NDF:55.7/53

Out: 10.179+/-14.238 χ^2/NDF:93.6/58

All: 20.384+/-10.046 χ^2/NDF: 150.4/112

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 96.193+/-0.016 χ^2/NDF: 934151.9/30

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.506+/-0.017 χ^2/NDF: 1411493.8/33

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

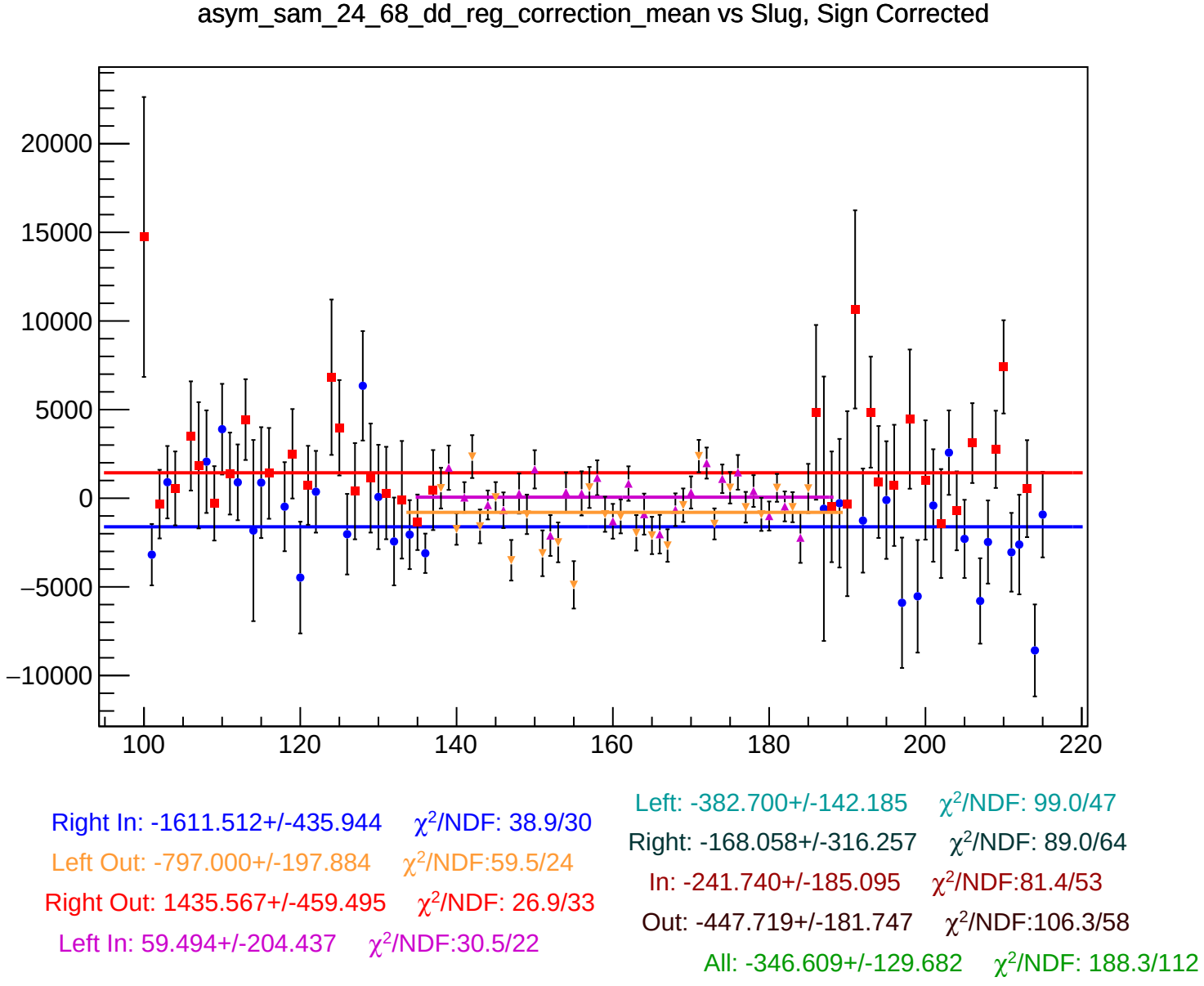
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

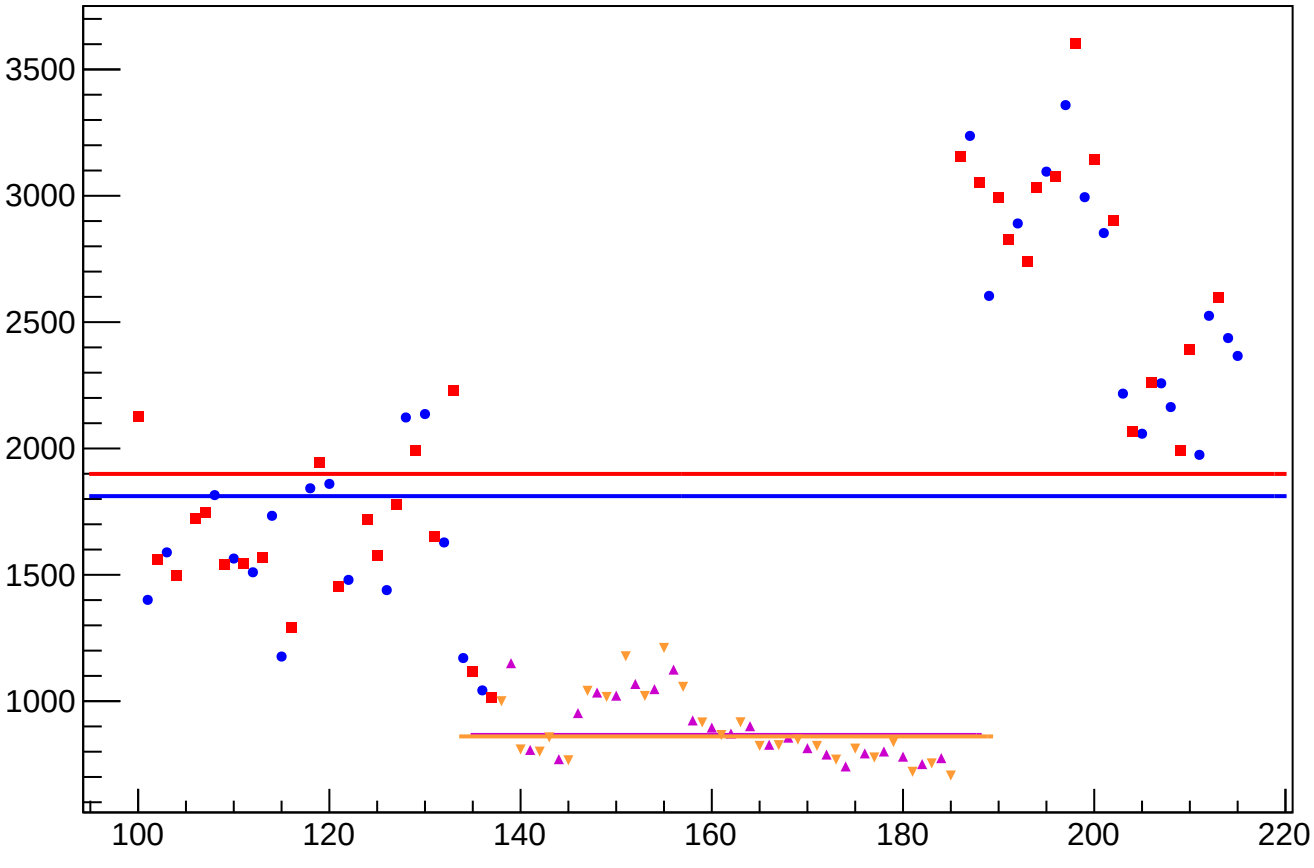
Right: 97.770+/-0.011 χ^2/NDF: 2366714.2/64

In: 85.572+/-0.010 χ^2/NDF:1908376.6/53

Out: 86.373+/-0.010 χ^2/NDF:2723447.4/58

All: 85.971+/-0.007 χ^2/NDF: 4635005.6/112


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: -1611.512+/-435.944 χ²/NDF: 38.9/30
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1435.567+/-459.495 χ²/NDF: 26.9/33
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -168.058+/-316.257 χ²/NDF: 89.0/64
In: -241.740+/-185.095 χ²/NDF:81.4/53
Out: -447.719+/-181.747 χ²/NDF:106.3/58
All: -346.609+/-129.682 χ²/NDF: 188.3/112



Right In: 1811.408+/-0.308 χ^2/NDF: 3746909.5/30

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1899.331+/-0.325 χ^2/NDF: 3687150.1/33

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

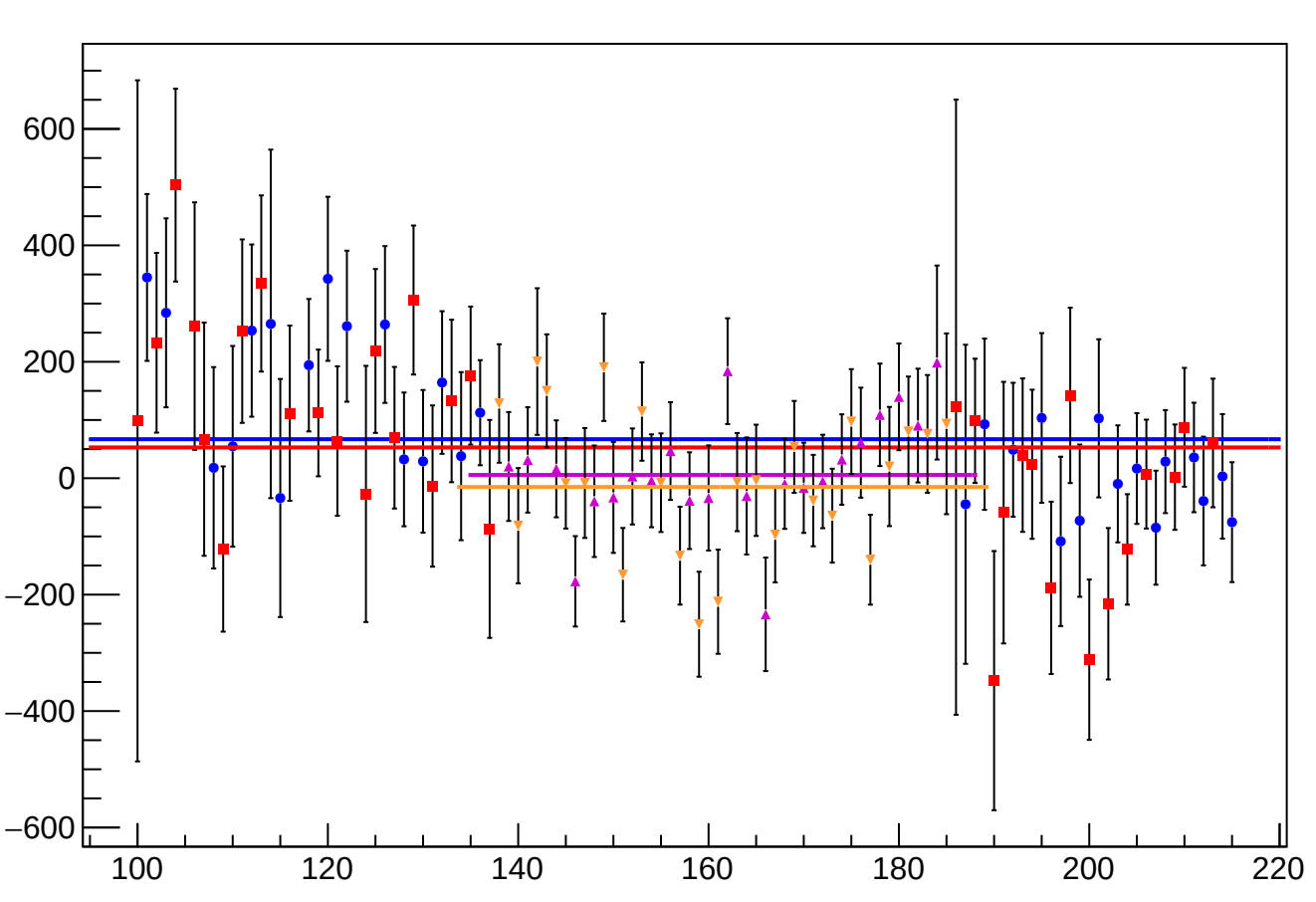
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1853.059+/-0.224 χ^2/NDF: 7472597.6/64

In: 1036.718+/-0.131 χ^2/NDF:12064837.4/53

Out: 1023.017+/-0.129 χ^2/NDF:13009755.9/58

All: 1029.742+/-0.092 χ^2/NDF: 25080172.8/1



Right In: 66.990+/-22.268 χ^2/NDF: 28.2/30

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 52.867+/-23.369 χ^2/NDF: 46.5/33

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

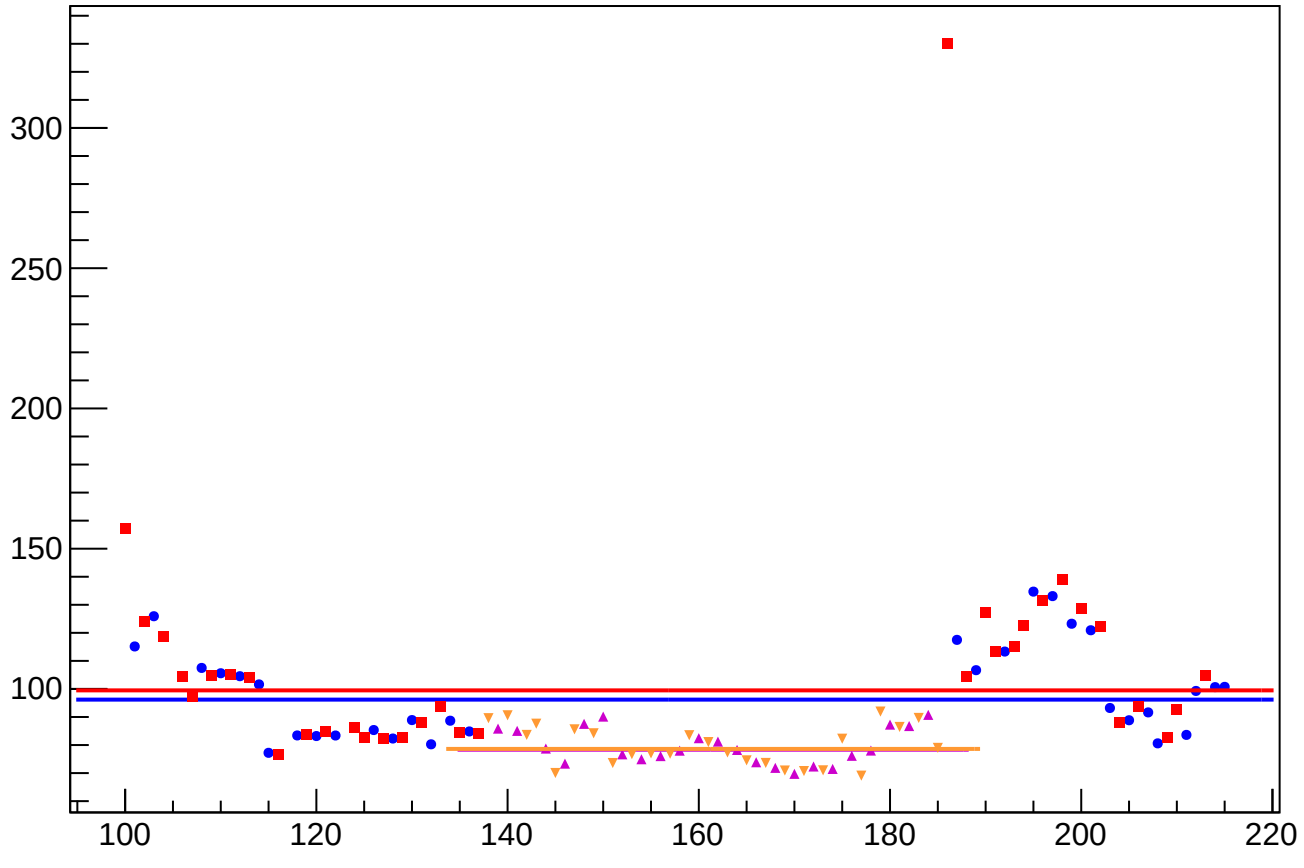
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 60.269+/-16.121 χ^2/NDF: 74.9/64

In: 30.495+/-14.176 χ^2/NDF:55.7/53

Out: 10.135+/-14.239 χ^2/NDF:93.5/58

All: 20.360+/-10.046 χ^2/NDF: 150.3/112



Right In: 96.193+/-0.016 χ^2/NDF: 934153.5/30

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.491+/-0.017 χ^2/NDF: 1411051.0/33

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

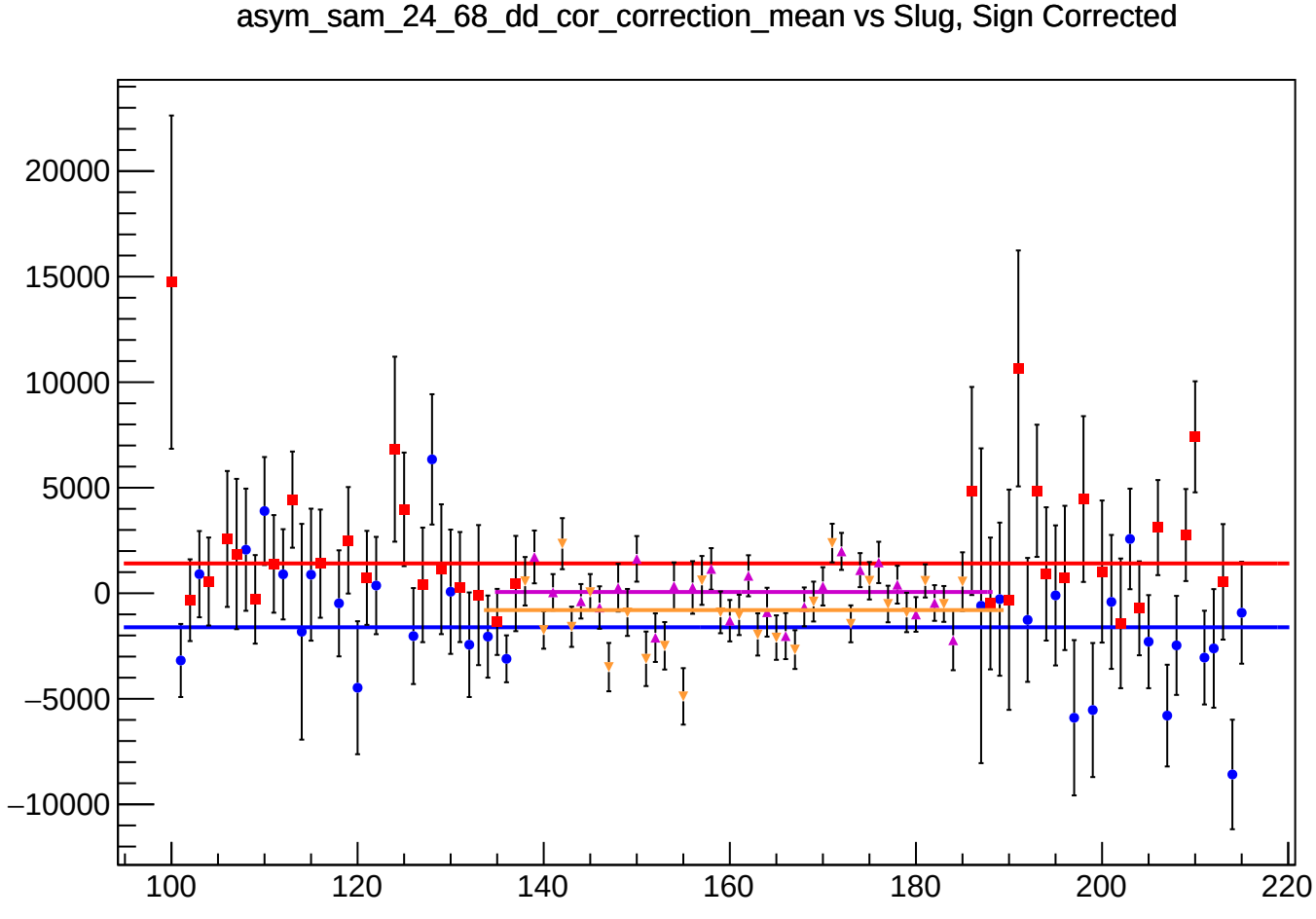
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.763+/-0.011 χ^2/NDF: 2366082.1/64

In: 85.572+/-0.010 χ^2/NDF:1908378.5/53

Out: 86.367+/-0.010 χ^2/NDF:2721525.5/58

All: 85.968+/-0.007 χ^2/NDF: 4633039.2/112



Right In: -1611.500+/-435.945 χ^2/NDF: 38.9/30

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1412.765+/-459.936 χ^2/NDF: 26.6/33

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

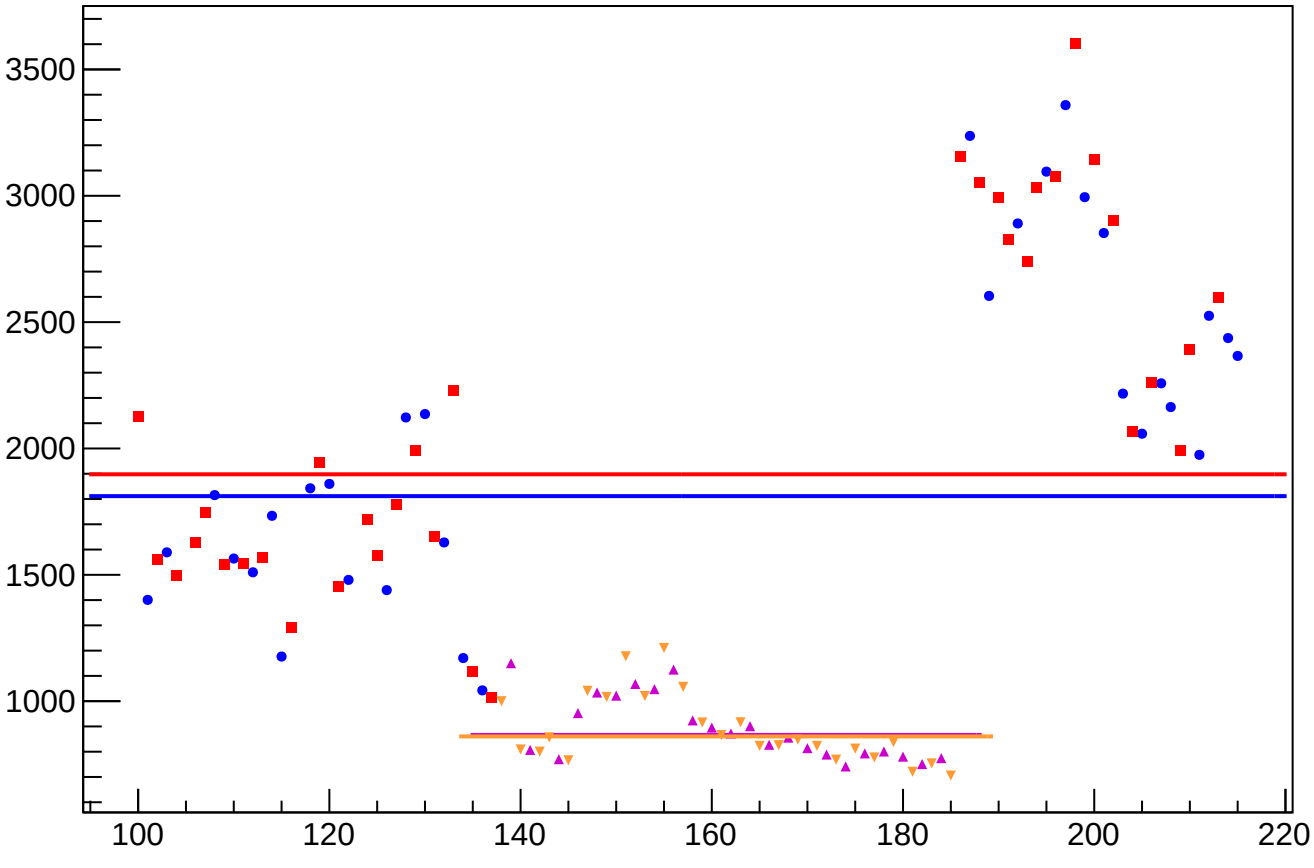
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -180.298+/-316.401 χ^2/NDF: 88.2/64

In: -241.737+/-185.095 χ^2/NDF:81.4/53

Out: -451.845+/-181.774 χ^2/NDF:105.5/58

All: -348.693+/-129.692 χ^2/NDF: 187.6/112



Right In: 1811.412+/-0.308 χ^2/NDF: 3746895.2/30

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1897.796+/-0.325 χ^2/NDF: 3694412.4/33

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

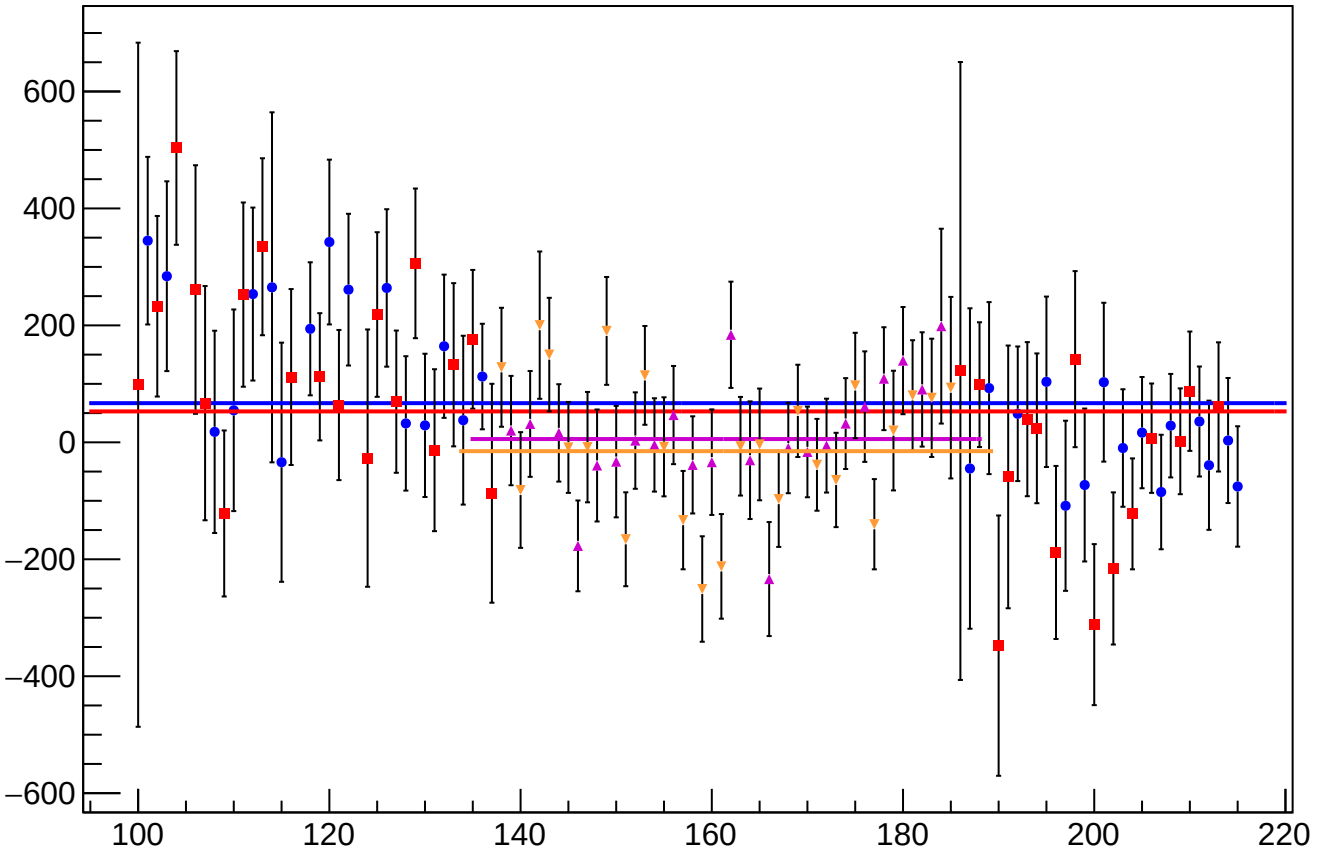
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1852.292+/-0.224 χ^2/NDF: 7478471.1/64

In: 1036.718+/-0.131 χ^2/NDF:12064850.4/53

Out: 1022.514+/-0.129 χ^2/NDF:12977643.3/58

All: 1029.488+/-0.092 χ^2/NDF: 25048489.6/



Right In: 66.990+/-22.268 χ^2/NDF: 28.2/30

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 52.867+/-23.369 χ^2/NDF: 46.5/33

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

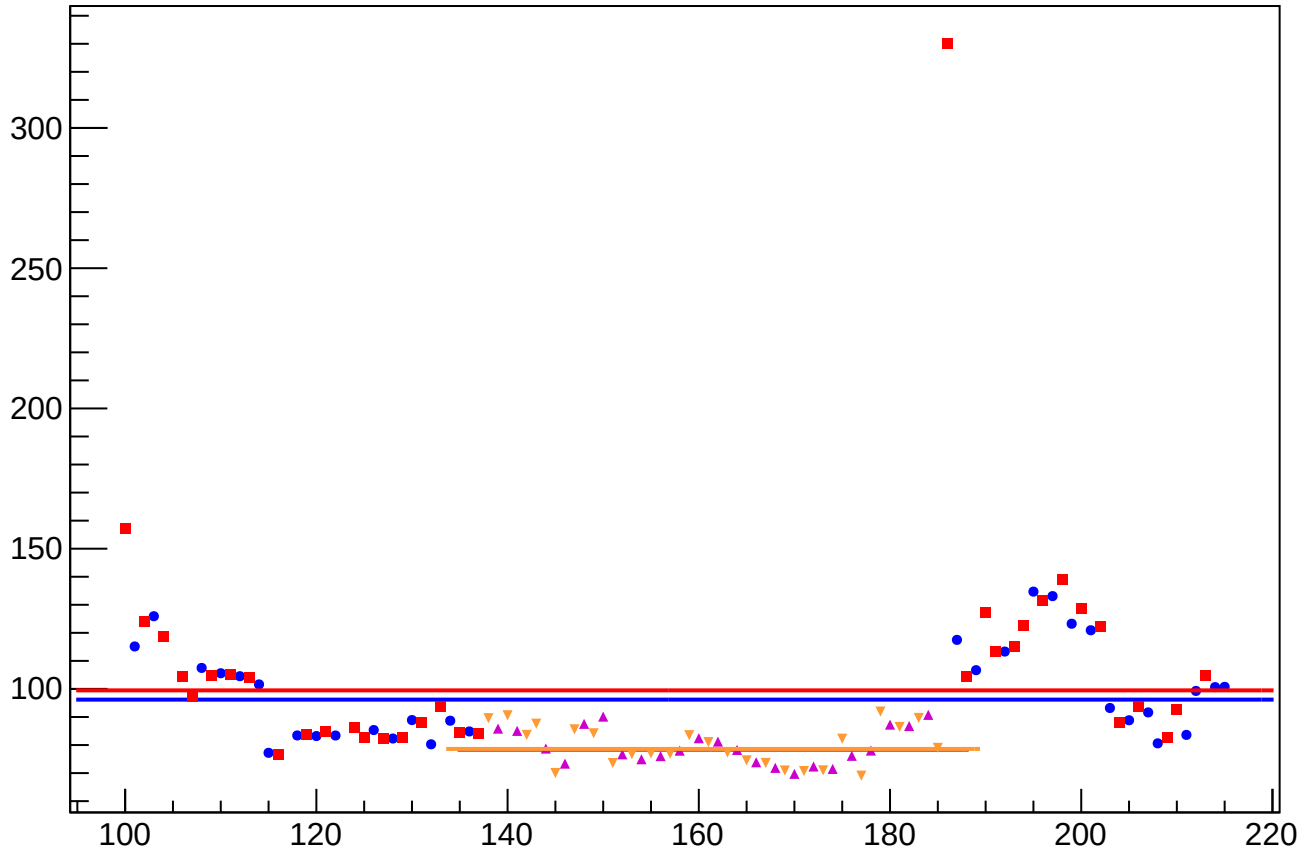
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 60.269+/-16.121 χ^2/NDF: 74.9/64

In: 30.495+/-14.176 χ^2/NDF:55.7/53

Out: 10.135+/-14.239 χ^2/NDF:93.5/58

All: 20.360+/-10.046 χ^2/NDF: 150.3/112



Right In: 96.193+/-0.016 χ^2/NDF: 934153.5/30

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.491+/-0.017 χ^2/NDF: 1411051.0/33

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

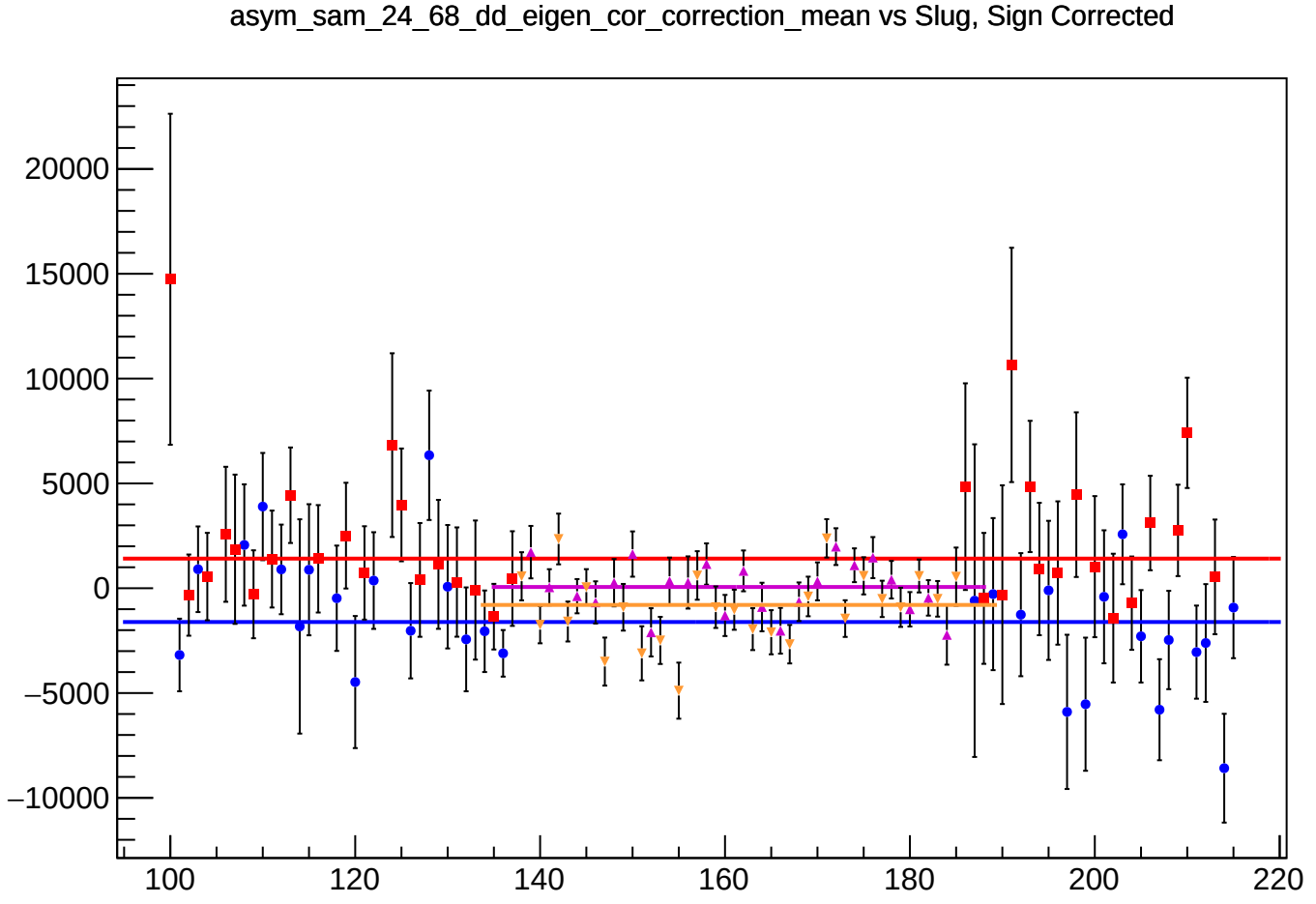
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.763+/-0.011 χ^2/NDF: 2366082.1/64

In: 85.572+/-0.010 χ^2/NDF:1908378.5/53

Out: 86.367+/-0.010 χ^2/NDF:2721525.5/58

All: 85.968+/-0.007 χ^2/NDF: 4633039.2/112



Right In: -1611.500+/-435.945 χ^2/NDF: 38.9/30

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1412.765+/-459.936 χ^2/NDF: 26.6/33

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

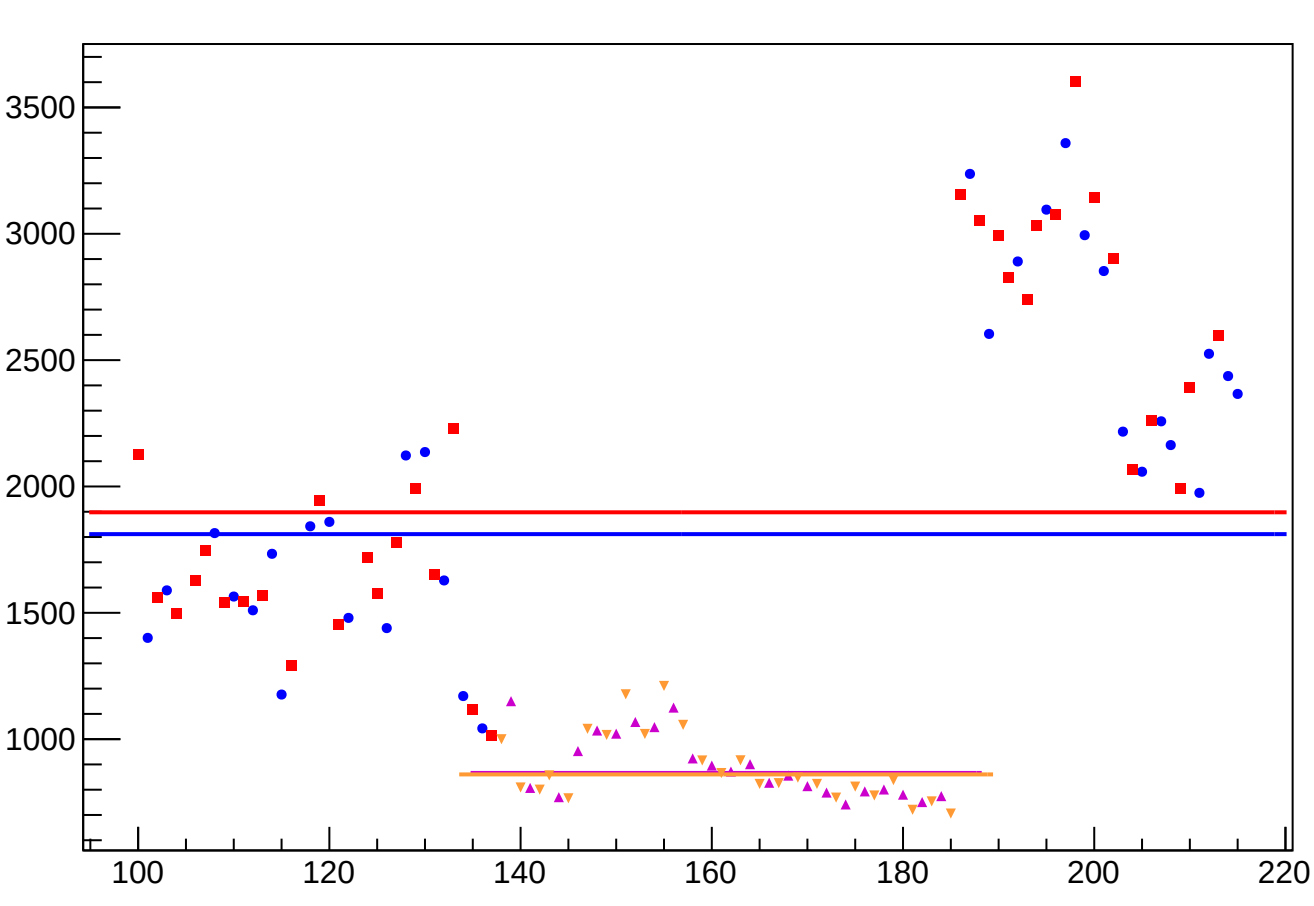
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -180.298+/-316.401 χ^2/NDF: 88.2/64

In: -241.737+/-185.095 χ^2/NDF:81.4/53

Out: -451.845+/-181.774 χ^2/NDF:105.5/58

All: -348.693+/-129.692 χ^2/NDF: 187.6/112



Right In: 1811.412+/-0.308 χ^2/NDF: 3746895.2/30

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1897.796+/-0.325 χ^2/NDF: 3694412.4/33

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

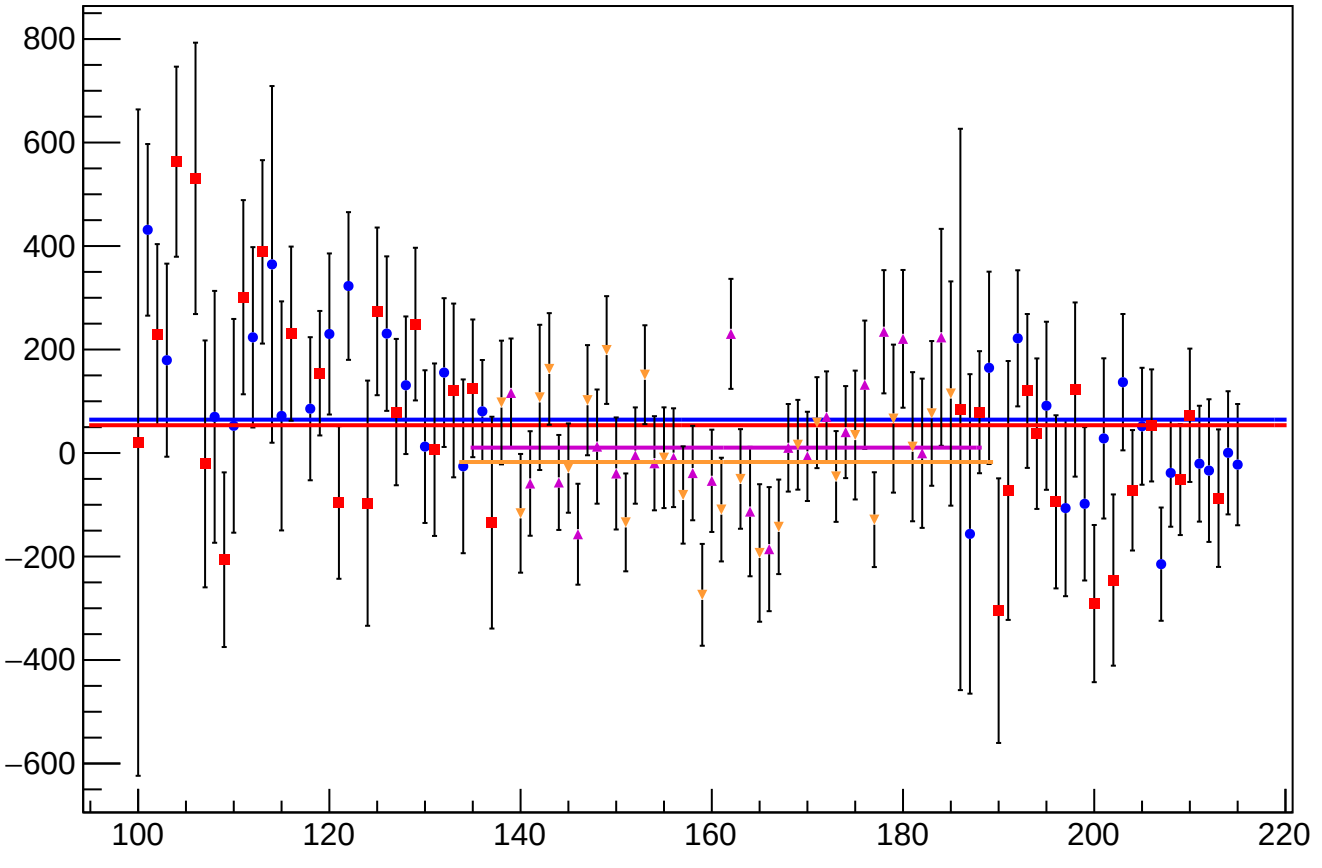
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1852.292+/-0.224 χ^2/NDF: 7478471.1/64

In: 1036.718+/-0.131 χ^2/NDF:12064850.4/53

Out: 1022.514+/-0.129 χ^2/NDF:12977643.3/58

All: 1029.488+/-0.092 χ^2/NDF: 25048489.6/



Right In: 64.498+/-25.929 χ^2/NDF: 27.9/30

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 53.714+/-27.125 χ^2/NDF: 43.1/33

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

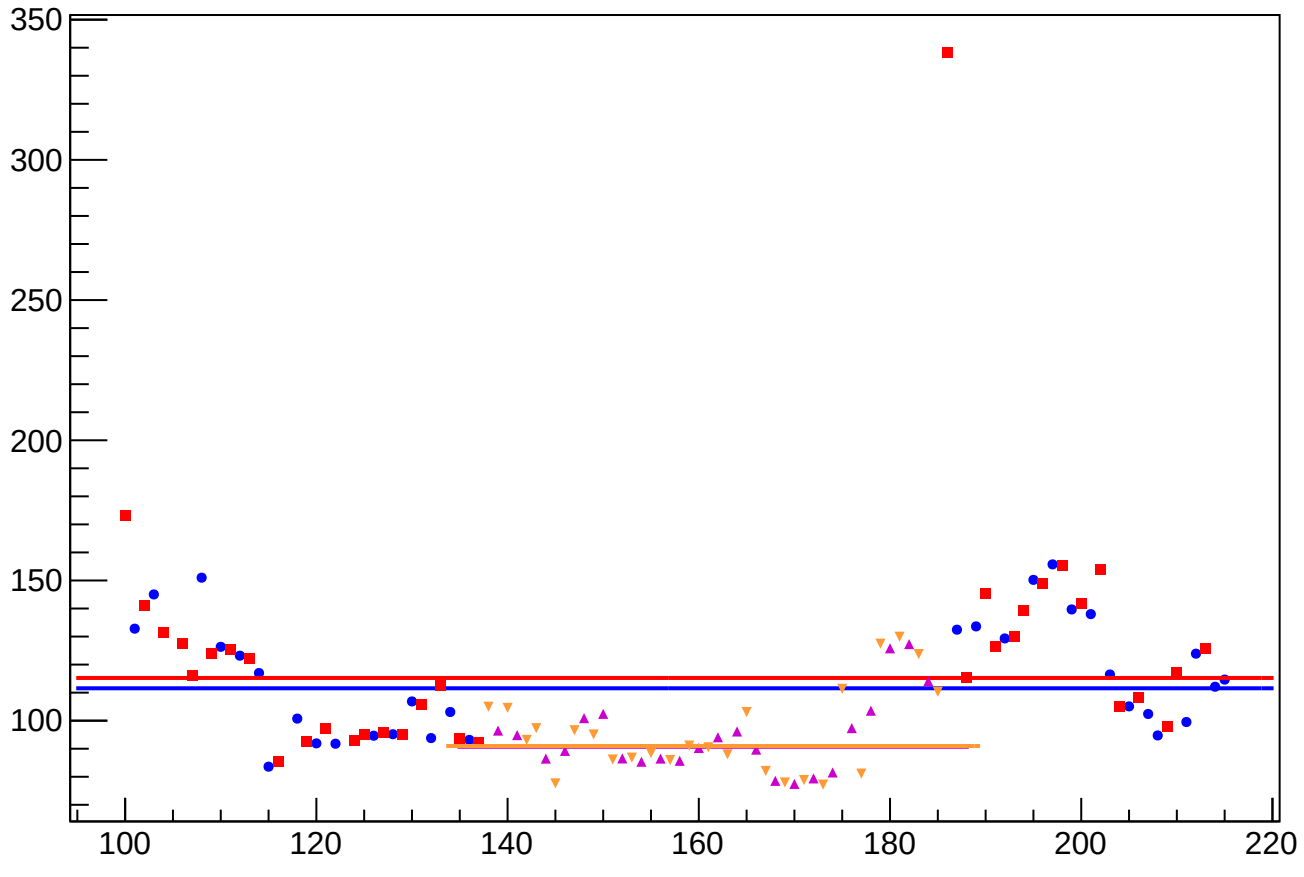
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 59.349+/-18.743 χ^2/NDF: 71.1/64

In: 32.453+/-16.552 χ^2/NDF:53.1/53

Out: 9.256+/-16.599 χ^2/NDF:78.6/58

All: 20.887+/-11.720 χ^2/NDF: 132.7/112



Right In: 111.554+/-0.018 χ^2/NDF: 1014820.0/30

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 115.236+/-0.019 χ^2/NDF: 1363185.6/33

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

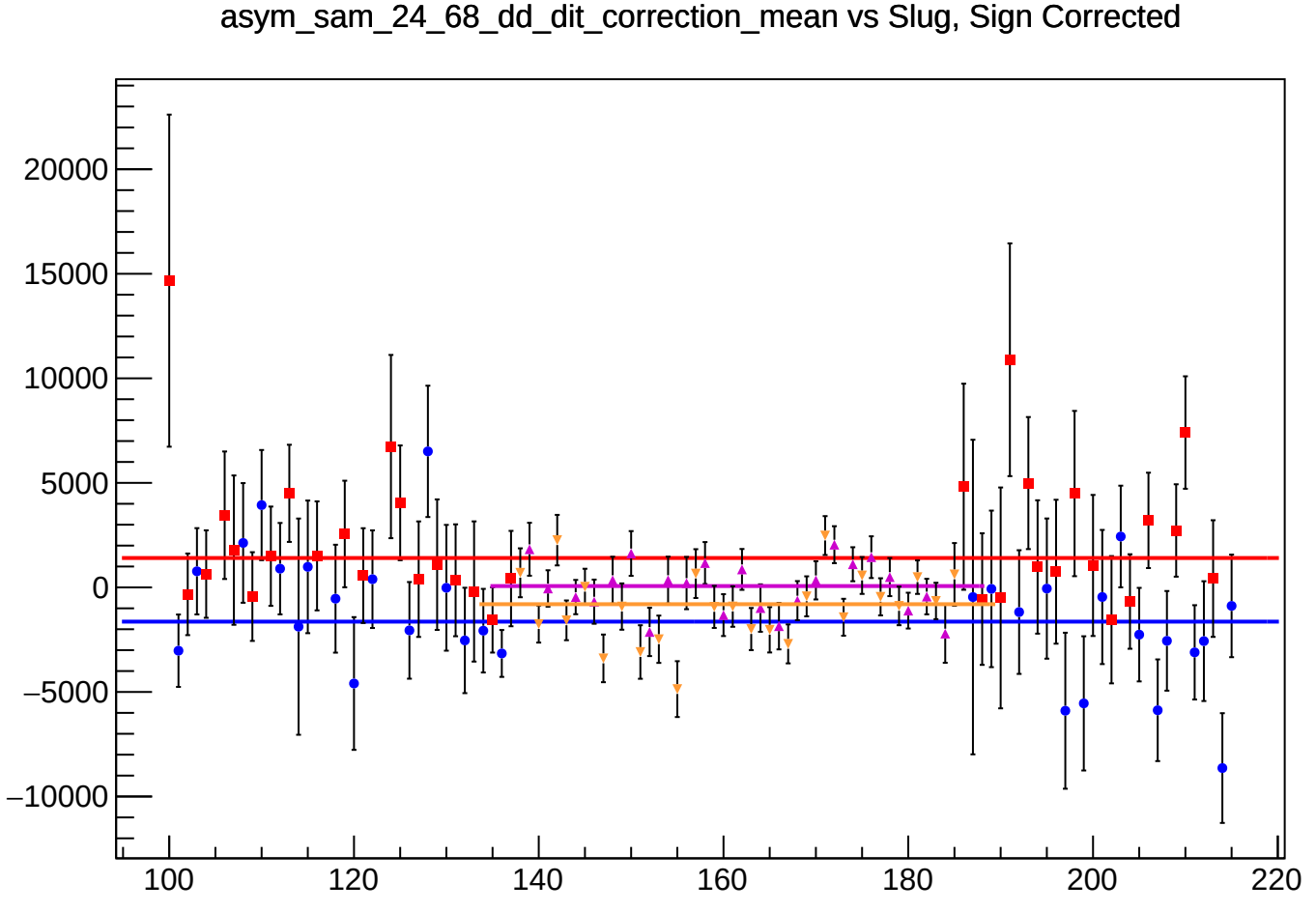
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

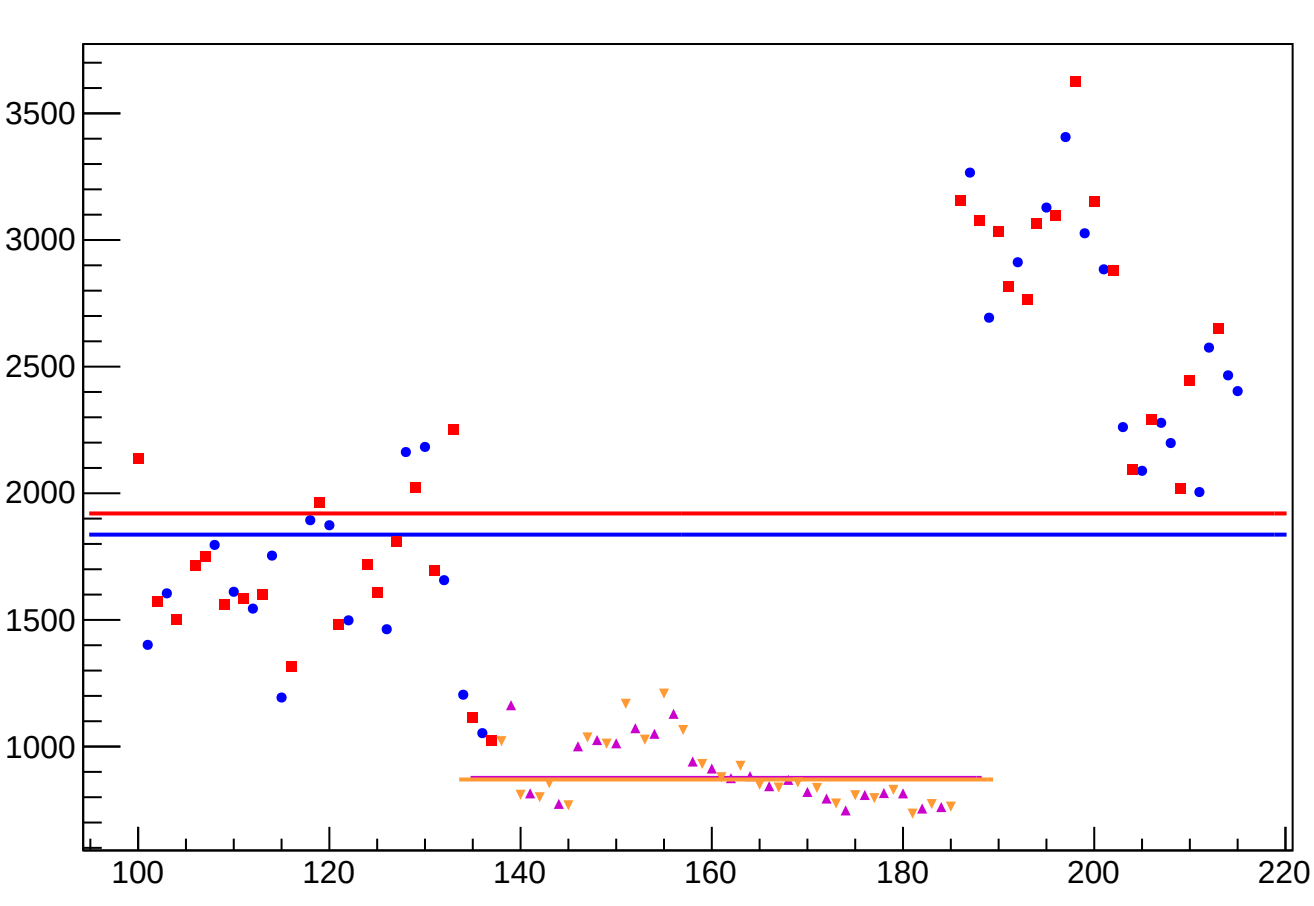
Right: 113.312+/-0.013 χ^2/NDF: 2397254.5/64

In: 99.192+/-0.012 χ^2/NDF:2328086.4/53

Out: 100.054+/-0.012 χ^2/NDF:3149174.6/58

All: 99.622+/-0.008 χ^2/NDF: 5479965.4/112


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1636.115+/-442.004 χ²/NDF: 38.3/30
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1406.837+/-464.419 χ²/NDF: 27.5/33
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -189.844+/-320.175 χ²/NDF: 88.3/64
In: -240.025+/-187.221 χ²/NDF:81.2/53
Out: -457.328+/-183.575 χ²/NDF:104.9/58
All: -350.813+/-131.077 χ²/NDF: 186.8/112



Right In: 1836.753+/-0.313 χ^2/NDF: 3759994.7/30

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1920.354+/-0.328 χ^2/NDF: 3675517.2/33

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

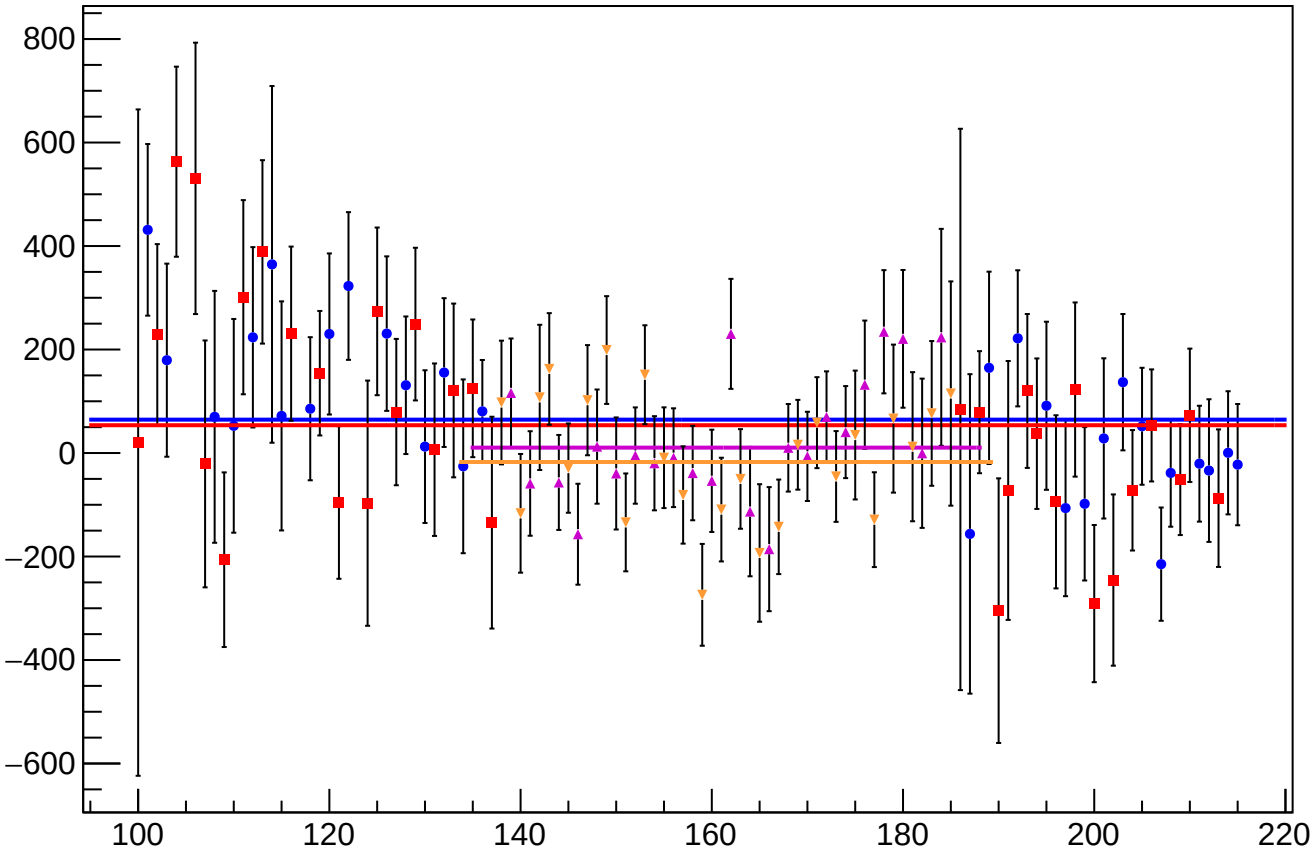
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1876.487+/-0.226 χ^2/NDF: 7469517.3/64

In: 1048.597+/-0.132 χ^2/NDF:12106784.6/53

Out: 1034.120+/-0.130 χ^2/NDF:12954351.6/58

All: 1041.216+/-0.093 χ^2/NDF: 25067232.6/1



Right In: 64.502+/-25.928 χ^2/NDF: 27.9/30

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 53.713+/-27.125 χ^2/NDF: 43.1/33

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

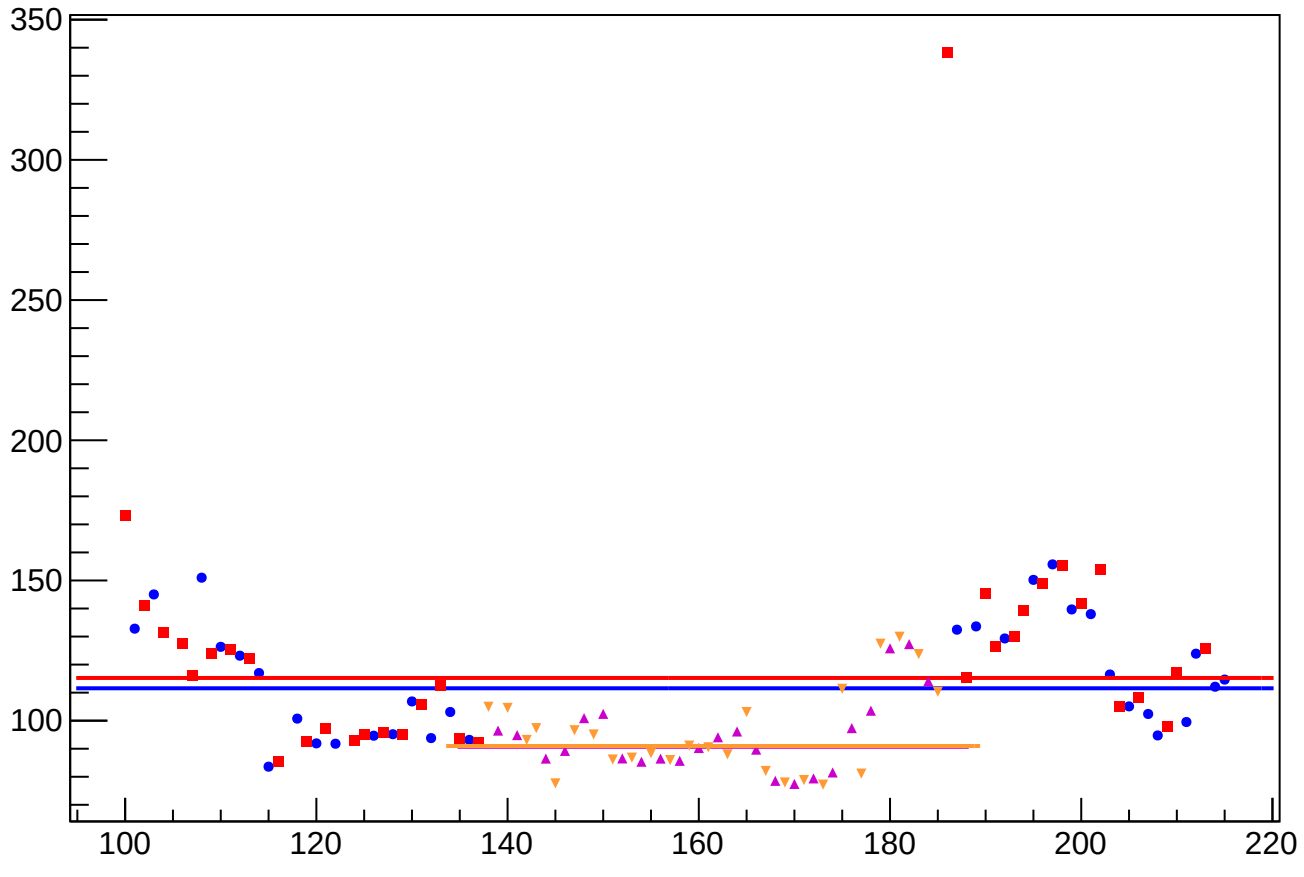
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 59.351+/-18.743 χ^2/NDF: 71.1/64

In: 32.454+/-16.552 χ^2/NDF:53.1/53

Out: 9.256+/-16.599 χ^2/NDF:78.6/58

All: 20.888+/-11.720 χ^2/NDF: 132.7/112



Right In: 111.554+/-0.018 χ^2/NDF: 1014834.3/30

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 115.235+/-0.019 χ^2/NDF: 1363204.1/33

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

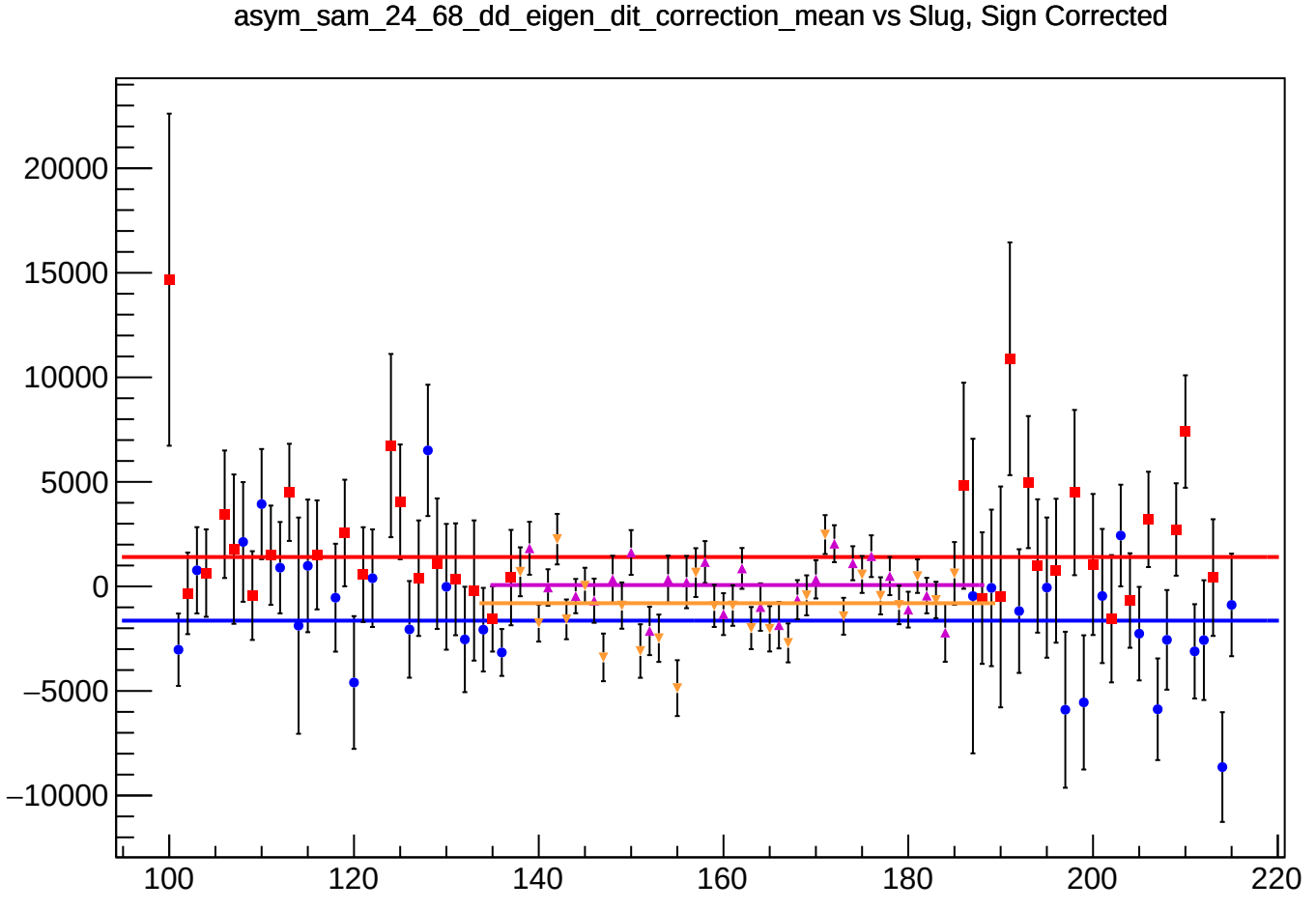
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

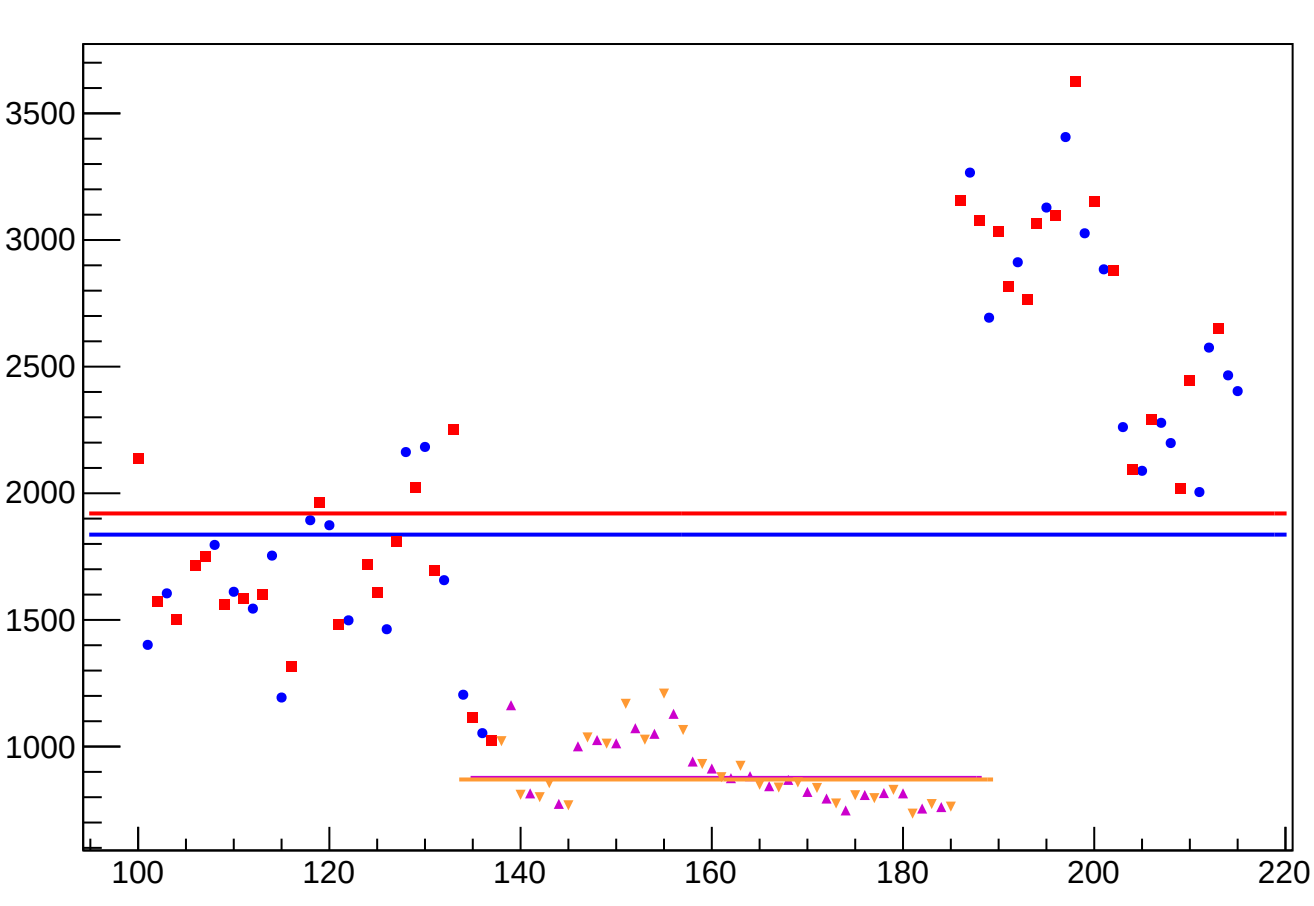
Right: 113.311+/-0.013 χ^2/NDF: 2397288.8/64

In: 99.192+/-0.012 χ^2/NDF:2328058.3/53

Out: 100.054+/-0.012 χ^2/NDF:3149161.1/58

All: 99.622+/-0.008 χ^2/NDF: 5479924.8/112


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1636.111+/-442.003 χ²/NDF: 38.3/30
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1406.835+/-464.419 χ²/NDF: 27.5/33
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -189.843+/-320.175 χ²/NDF: 88.3/64
In: -240.025+/-187.221 χ²/NDF:81.2/53
Out: -457.327+/-183.575 χ²/NDF:104.9/58
All: -350.812+/-131.077 χ²/NDF: 186.8/112



Right In: 1836.751+/-0.313 χ^2/NDF: 3760003.9/30

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1920.351+/-0.328 χ^2/NDF: 3675530.3/33

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

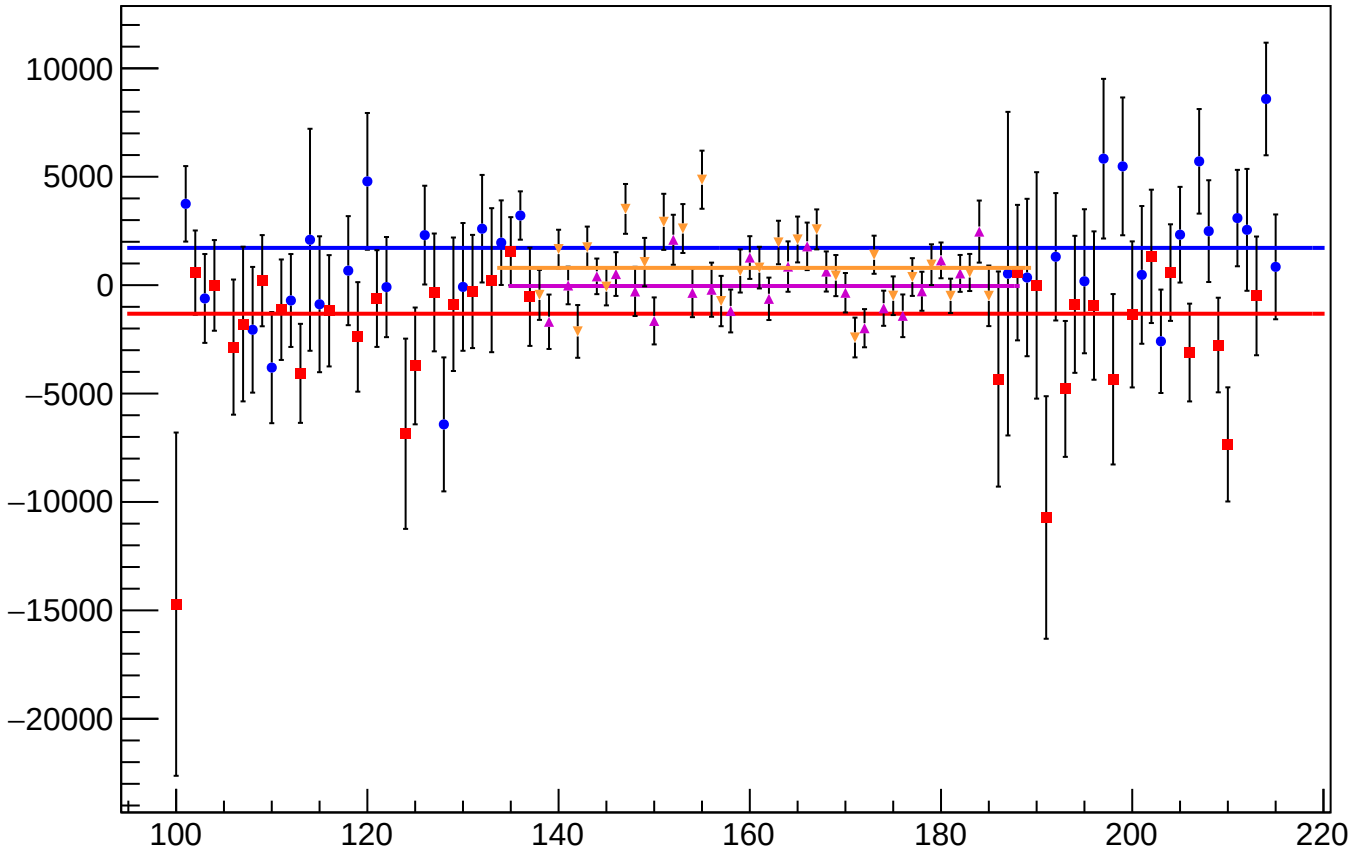
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1876.485+/-0.226 χ^2/NDF: 7469539.4/64

In: 1048.596+/-0.132 χ^2/NDF:12106784.4/53

Out: 1034.120+/-0.130 χ^2/NDF:12954351.6/58

All: 1041.215+/-0.093 χ^2/NDF: 25067232.4/1



Right In: 1718.238+/-436.844 χ^2/NDF: 39.0/30

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1317.949+/-460.423 χ^2/NDF: 26.5/33

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

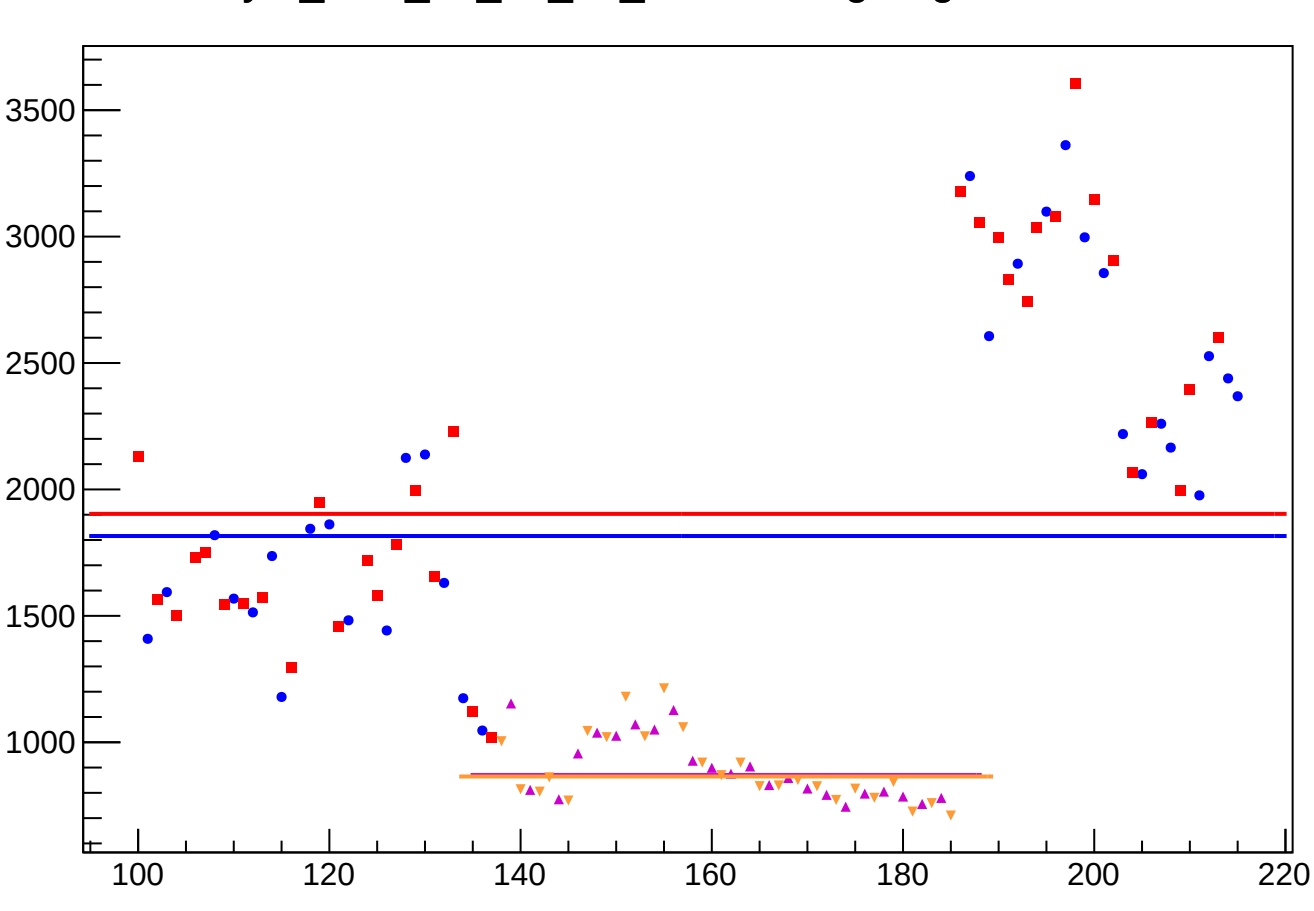
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 279.876+/-316.903 χ^2/NDF: 88.4/64

In: 278.412+/-185.841 χ^2/NDF:82.0/53

Out: 464.058+/-182.515 χ^2/NDF:101.4/58

All: 372.911+/-130.218 χ^2/NDF: 183.9/112



Right In: 1815.791+/-0.309 χ^2/NDF: 3723615.1/30

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1903.386+/-0.326 χ^2/NDF: 3672531.0/33

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

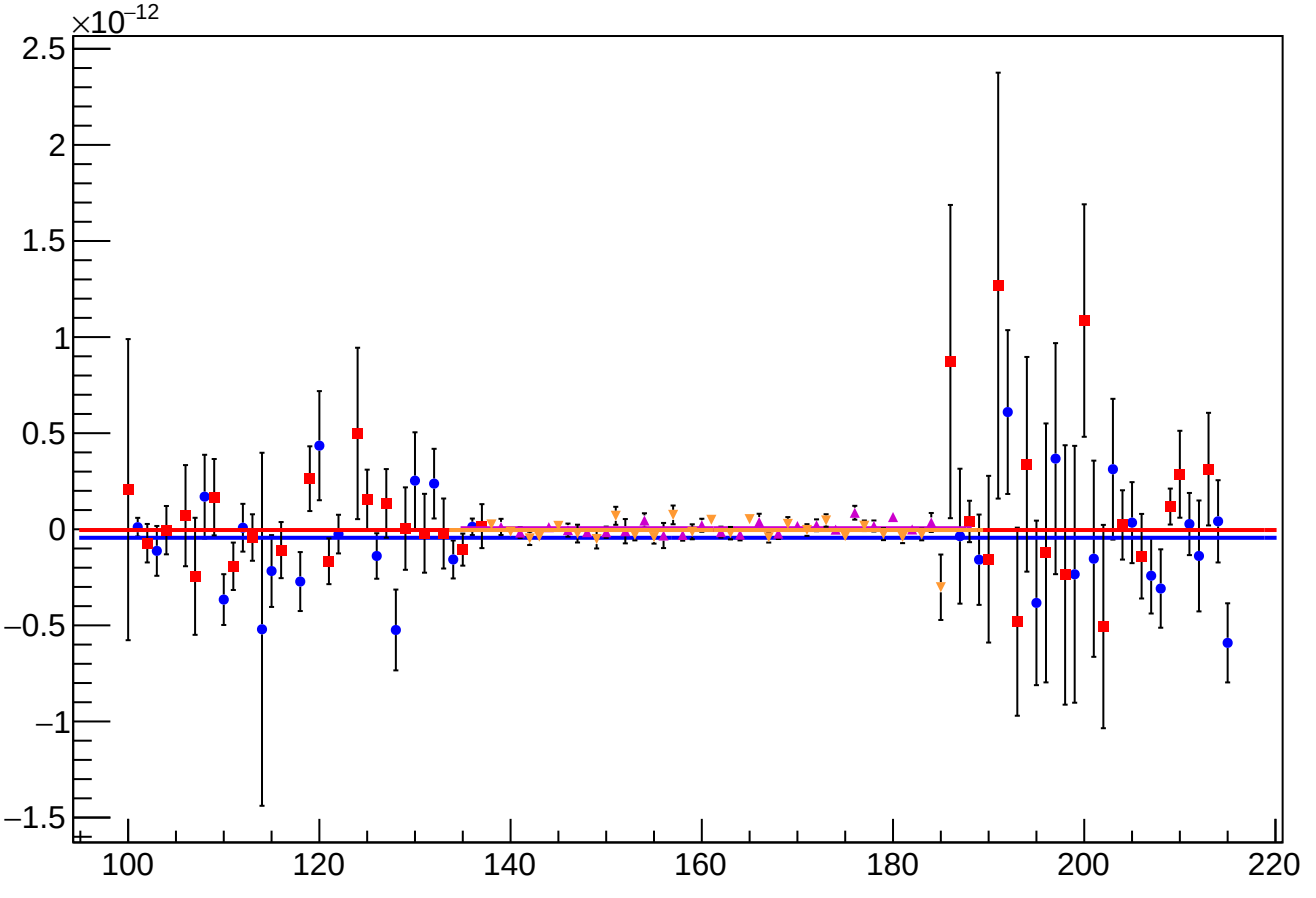
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1857.288+/-0.224 χ^2/NDF: 7434241.7/64

In: 1041.452+/-0.131 χ^2/NDF:12000756.8/53

Out: 1027.865+/-0.129 χ^2/NDF:12941596.5/58

All: 1034.536+/-0.092 χ^2/NDF: 24947795.2/1



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/33

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

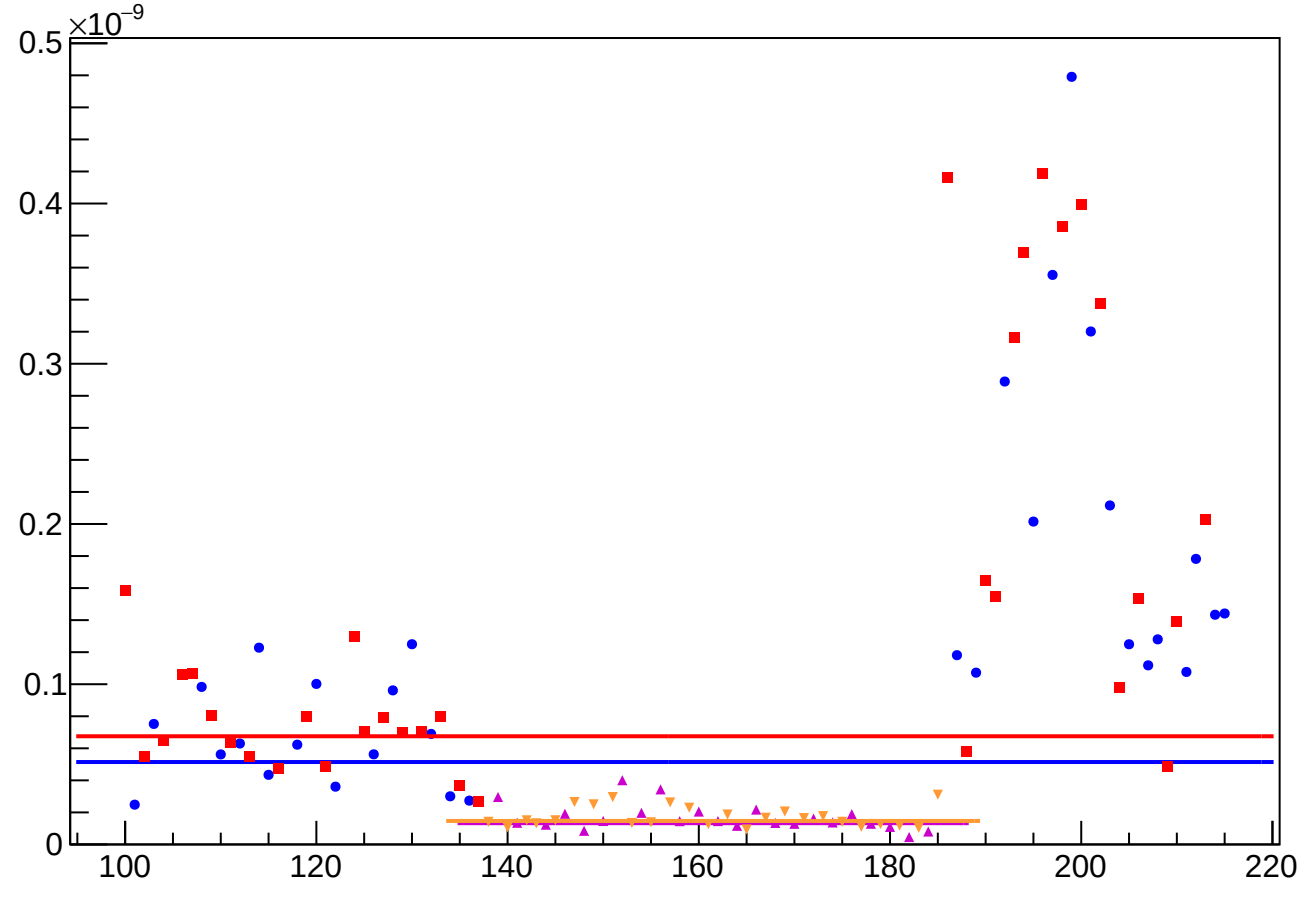
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 70.9/64

In: 0.000+/-0.000 χ^2/NDF:67.5/53

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: -0.000+/-0.000 χ^2/NDF: 134.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 7351062.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5631792.4/33

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

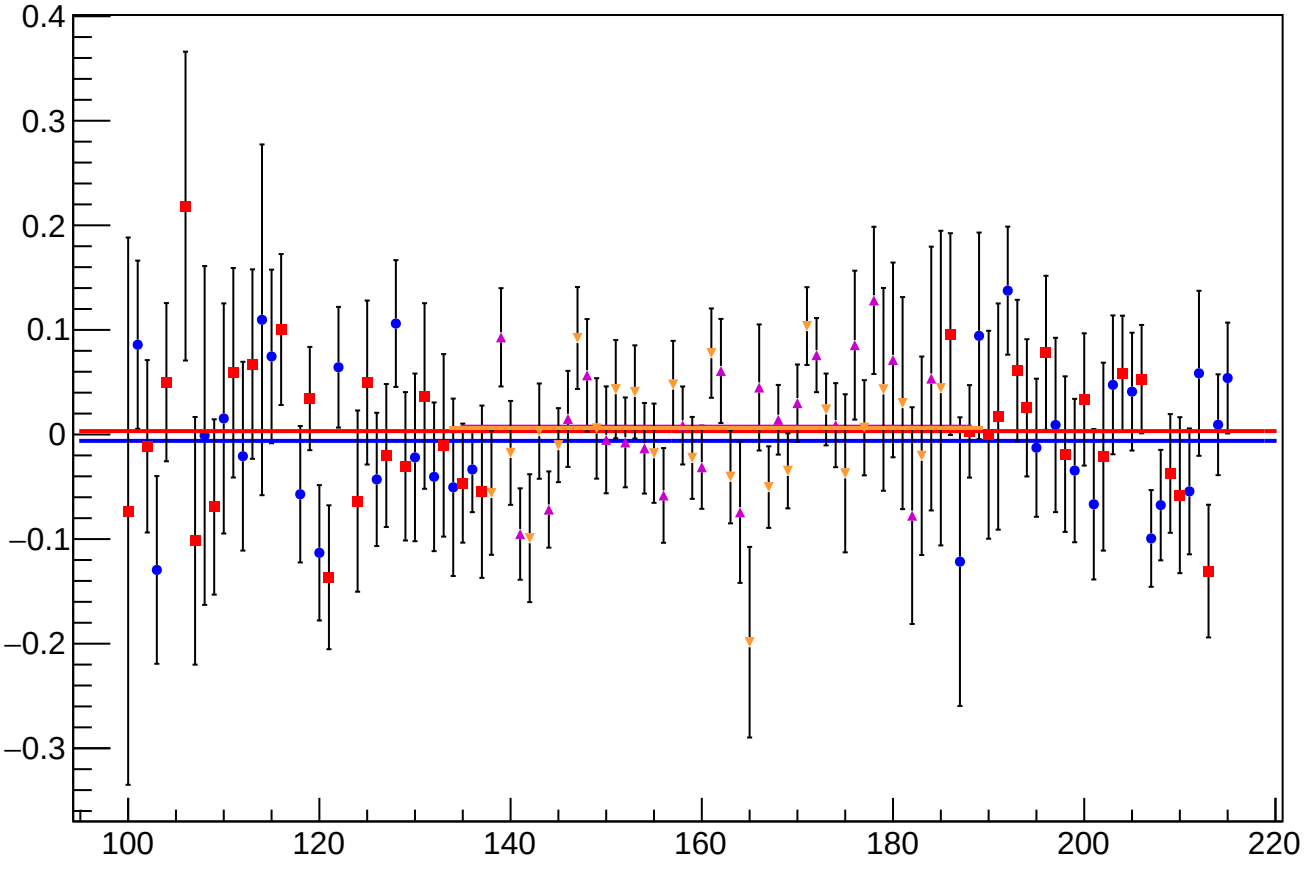
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13353615.7/64

In: 0.000+/-0.000 χ^2/NDF:14288638.4/53

Out: 0.000+/-0.000 χ^2/NDF:13054325.1/58

All: 0.000+/-0.000 χ^2/NDF: 27386187.6/112



Right In: -0.006+/-0.012 χ^2/NDF: 31.9/30

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 24.8/33

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

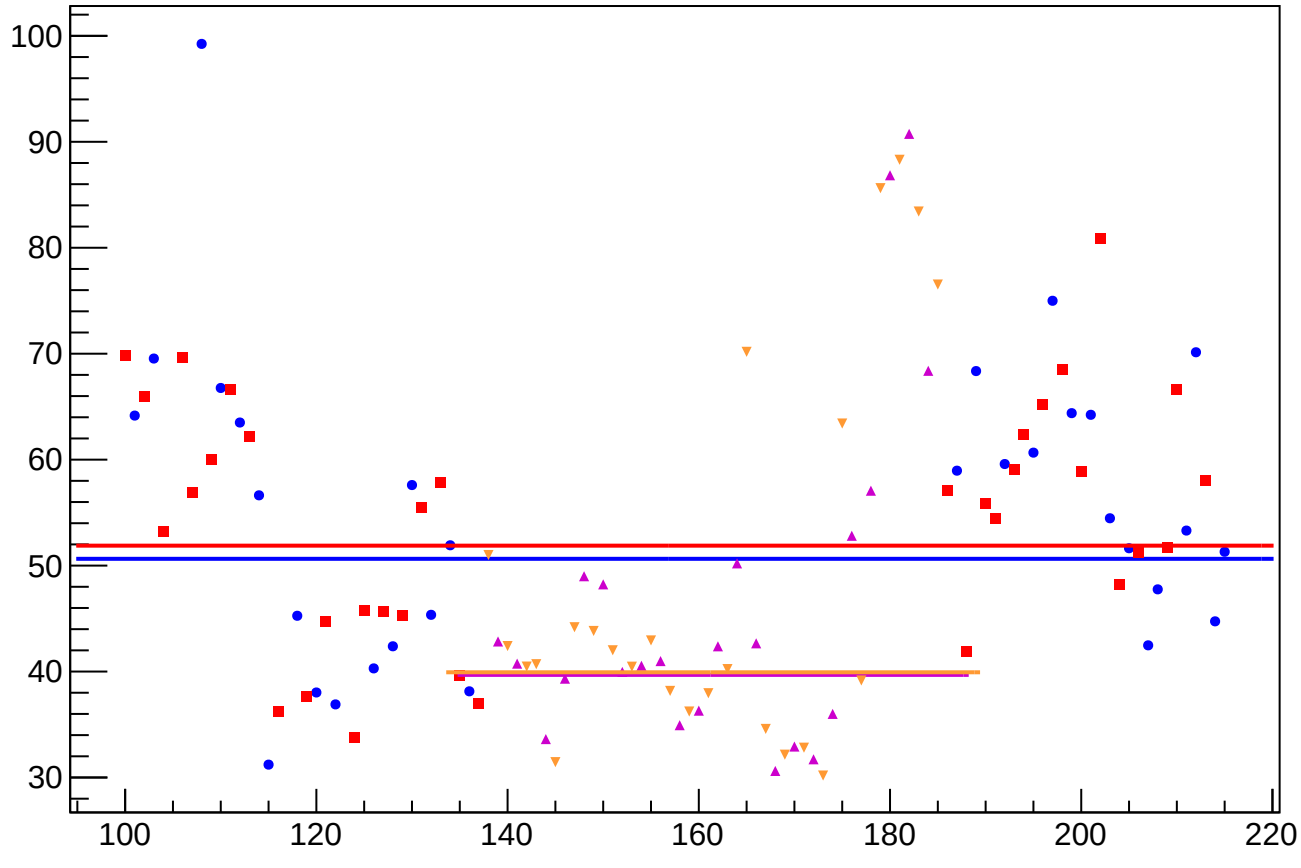
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.002+/-0.009 χ^2/NDF: 57.0/64

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.004+/-0.005 χ^2/NDF: 118.8/112



Right In: 50.640+/-0.009 χ^2/NDF: 1743375.8/30

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.883+/-0.009 χ^2/NDF: 1463541.9/33

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

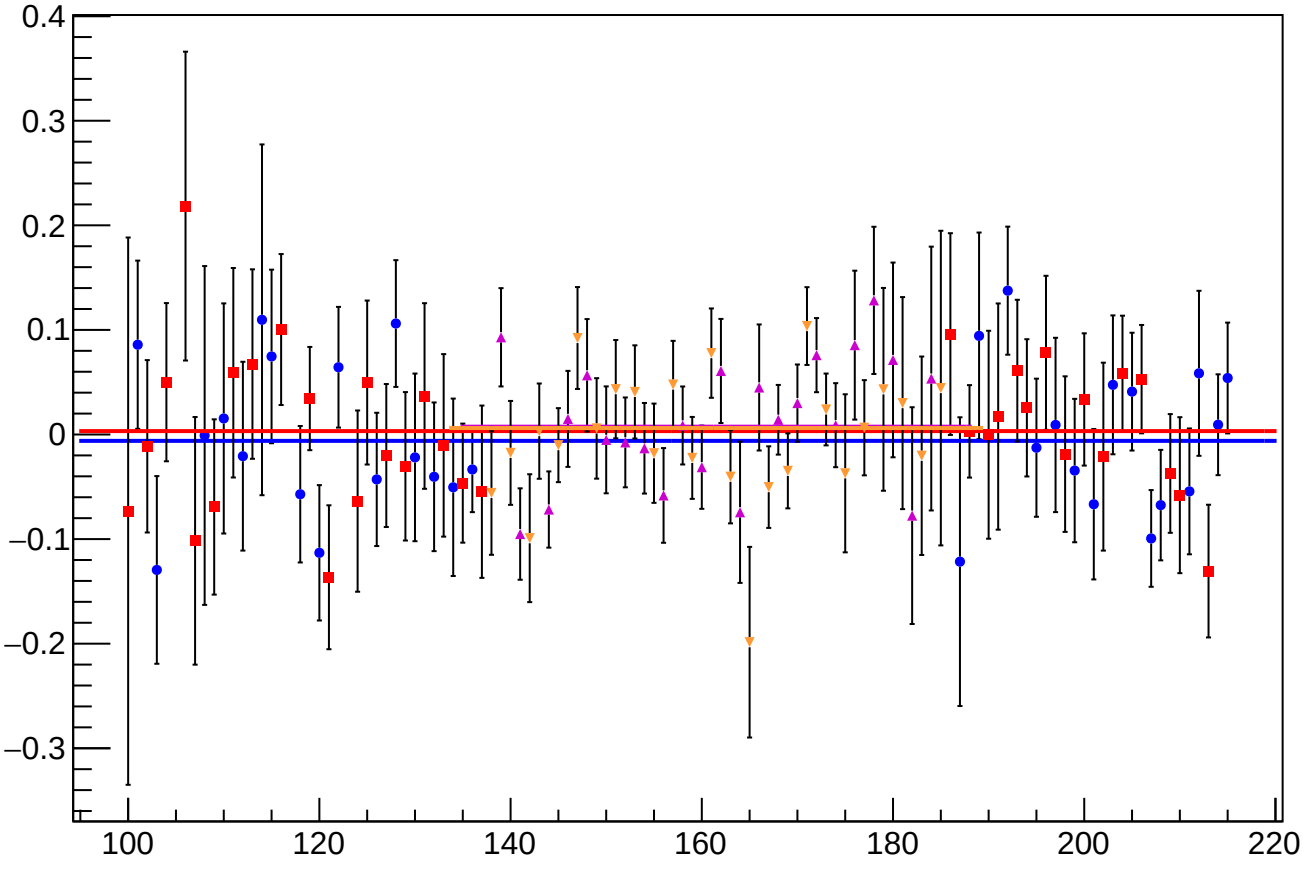
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.243+/-0.006 χ^2/NDF: 3217228.6/64

In: 44.031+/-0.005 χ^2/NDF:4655691.1/53

Out: 44.385+/-0.005 χ^2/NDF:5101465.5/58

All: 44.209+/-0.004 χ^2/NDF: 9759331.6/112



Right In: -0.006+/-0.012 χ^2/NDF: 31.9/30

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 24.8/33

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

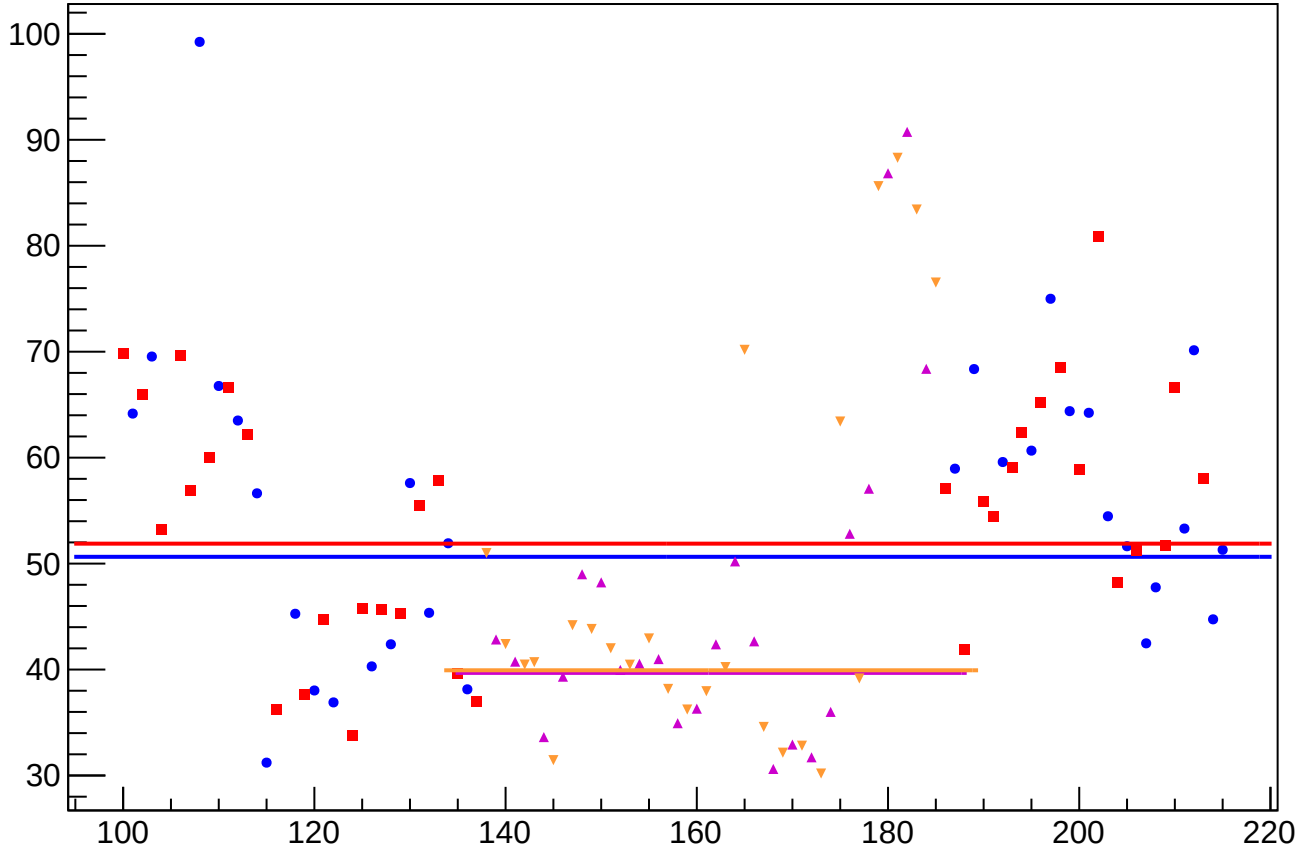
Right: -0.002+/-0.009 χ^2/NDF: 57.0/64

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.004+/-0.005 χ^2/NDF: 118.8/112

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.640+/-0.009 χ^2/NDF: 1743375.8/30

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.883+/-0.009 χ^2/NDF: 1463541.9/33

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

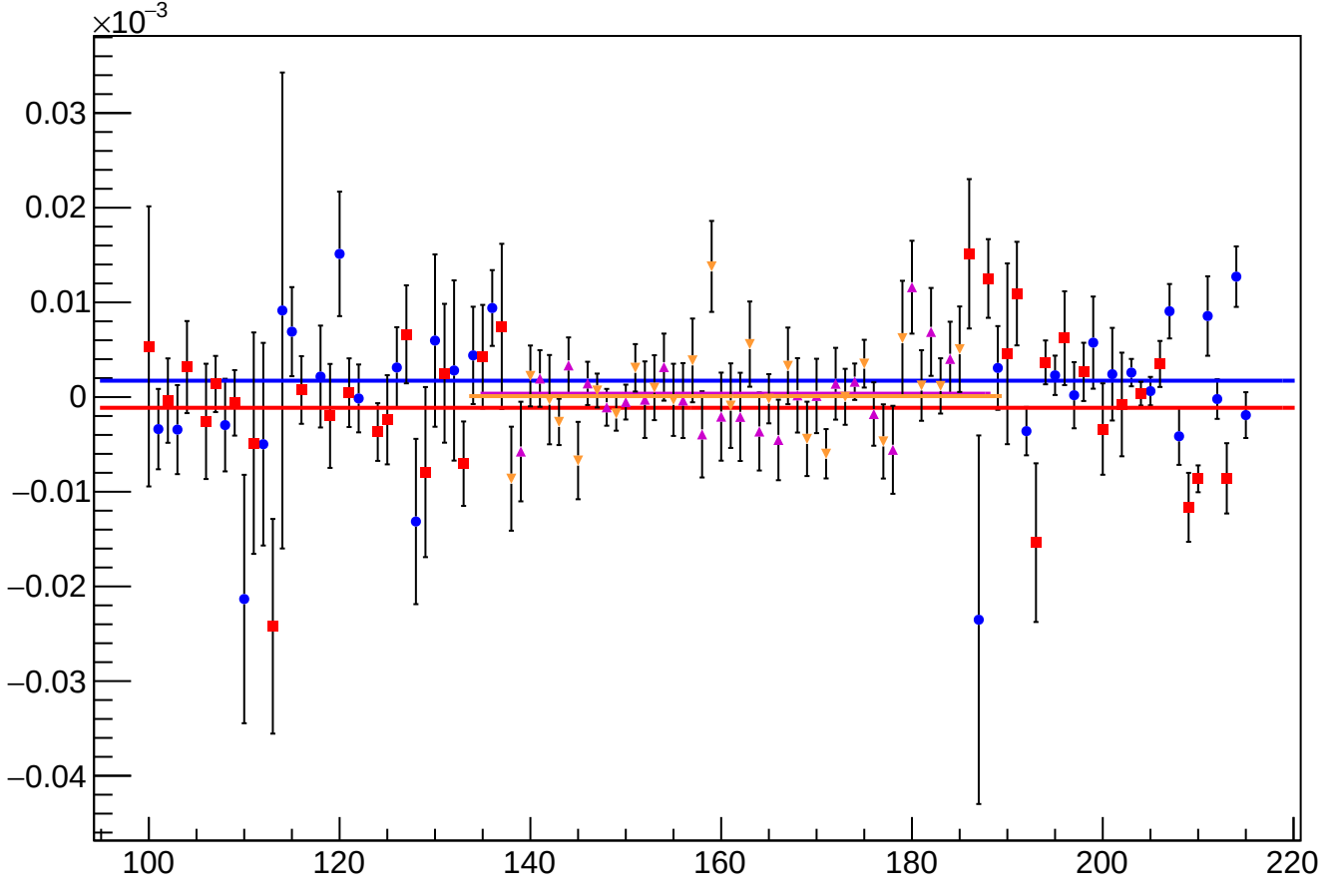
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.243+/-0.006 χ^2/NDF: 3217228.6/64

In: 44.031+/-0.005 χ^2/NDF:4655691.1/53

Out: 44.385+/-0.005 χ^2/NDF:5101465.5/58

All: 44.209+/-0.004 χ^2/NDF: 9759331.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 55.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 90.9/33

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

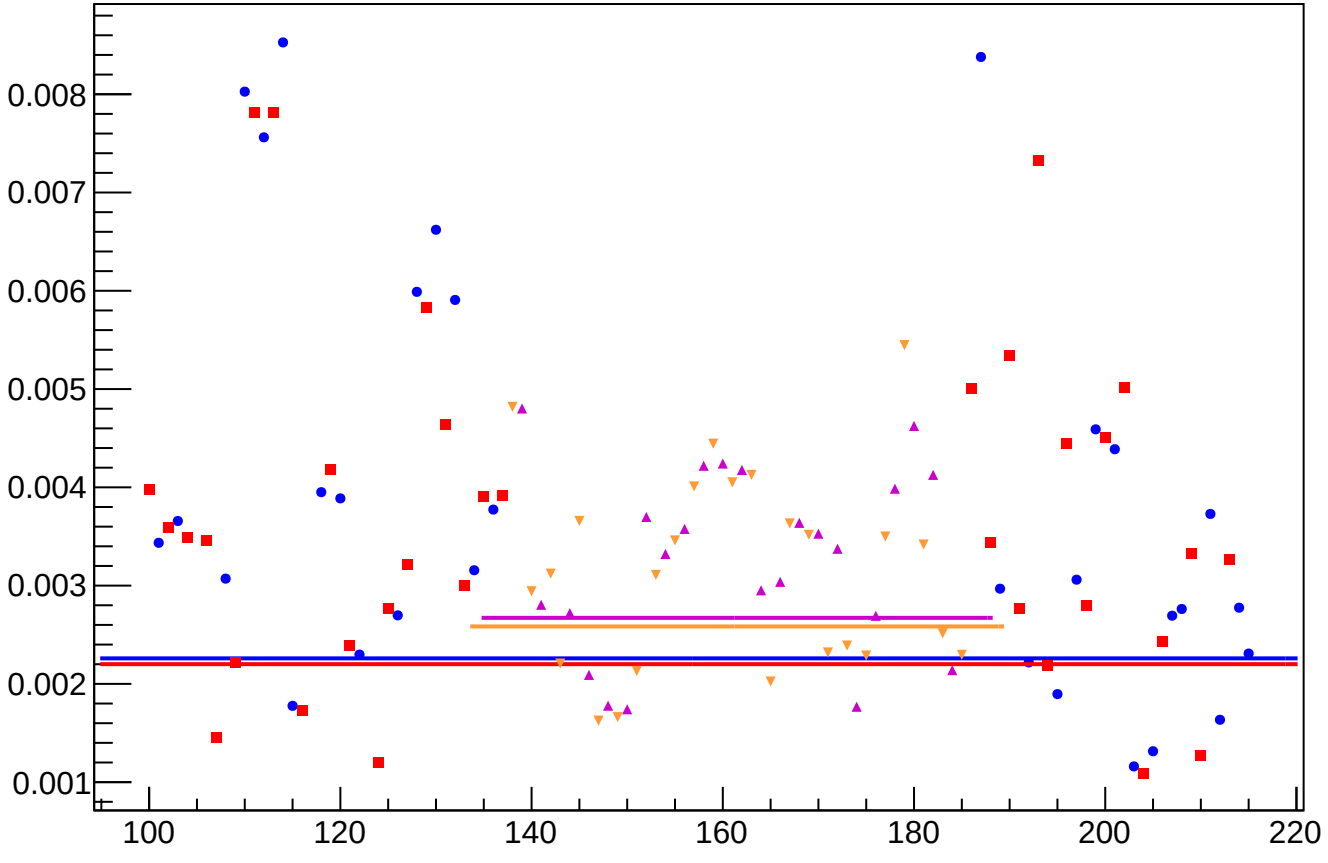
Right: 0.000+/-0.000 χ^2/NDF: 158.3/64

In: 0.000+/-0.000 χ^2/NDF:76.9/53

Out: -0.000+/-0.000 χ^2/NDF:126.1/58

All: 0.000+/-0.000 χ^2/NDF: 210.3/112

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6994539.5/30

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8735054.5/33

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

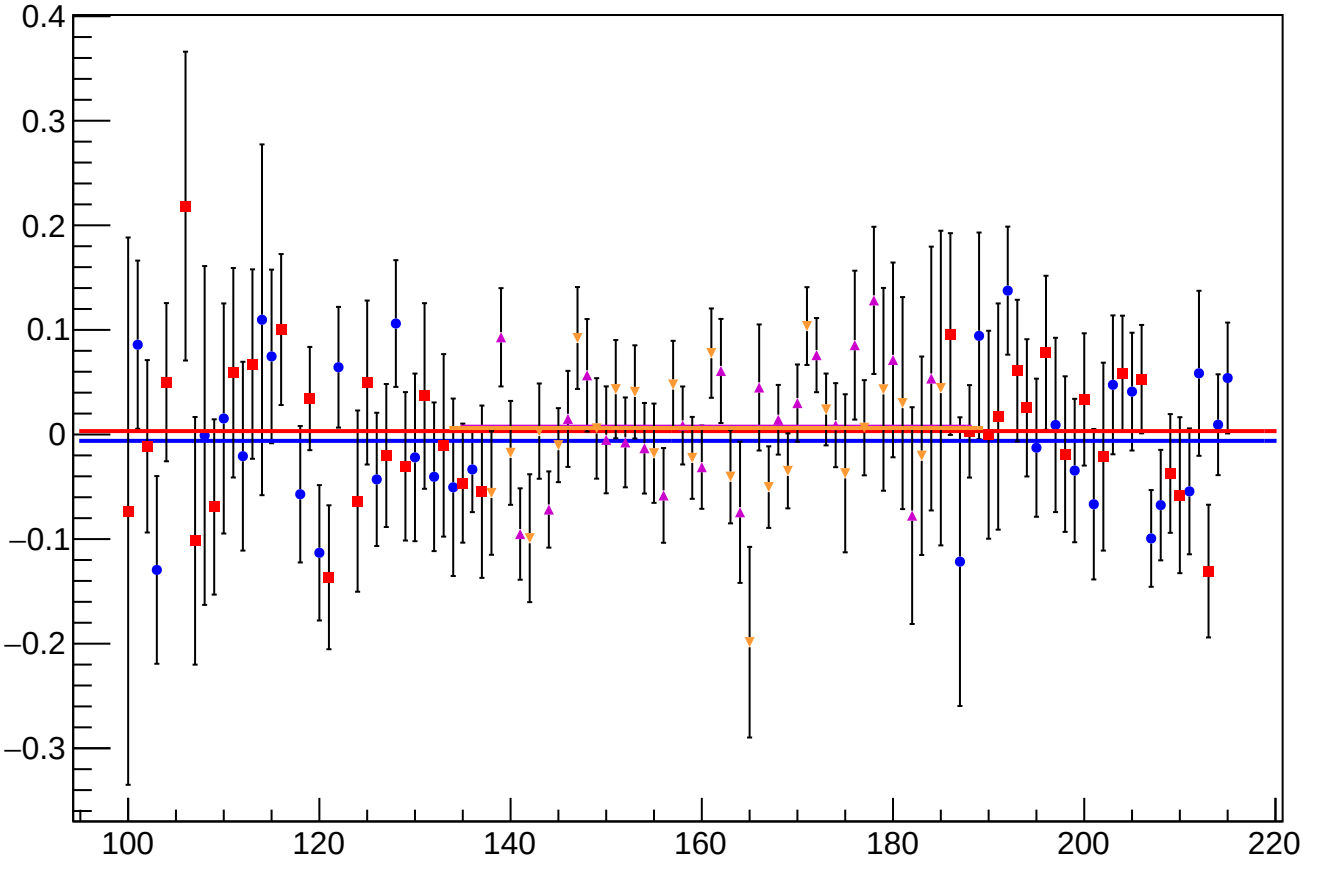
Right: 0.002+/-0.000 χ^2/NDF: 15739443.8/64

In: 0.002+/-0.000 χ^2/NDF:11245503.2/53

Out: 0.002+/-0.000 χ^2/NDF:13022630.7/58

All: 0.002+/-0.000 χ^2/NDF: 24285986.4/112

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 31.9/30

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 24.8/33

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

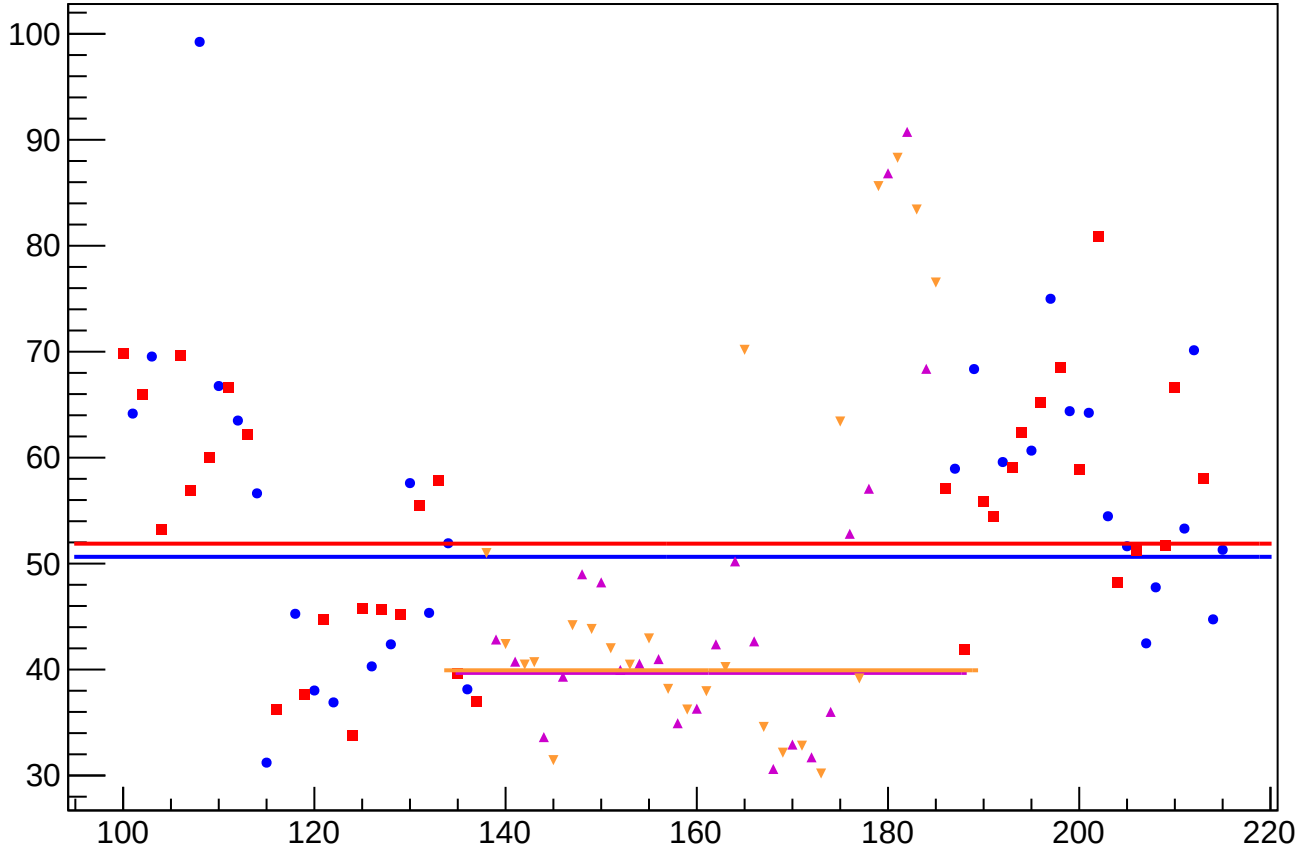
Right: -0.002+/-0.009 χ^2/NDF: 57.0/64

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.004+/-0.005 χ^2/NDF: 118.8/112

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.639+/-0.009 χ^2/NDF: 1743454.4/30

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.882+/-0.009 χ^2/NDF: 1463577.9/33

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

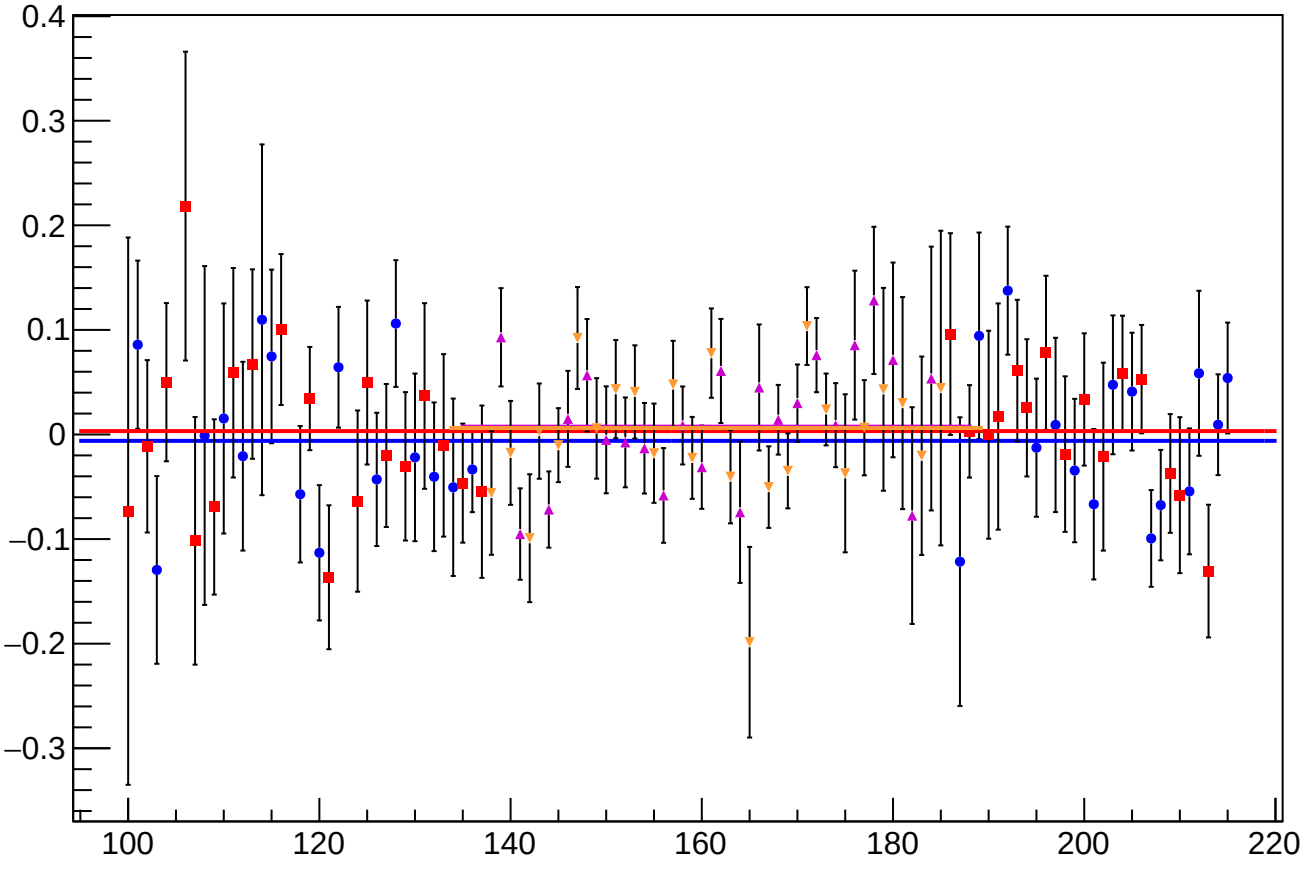
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.242+/-0.006 χ^2/NDF: 3217350.7/64

In: 44.031+/-0.005 χ^2/NDF:4655662.9/53

Out: 44.385+/-0.005 χ^2/NDF:5101413.1/58

All: 44.208+/-0.004 χ^2/NDF: 9759255.4/112



Right In: -0.006+/-0.012 χ^2/NDF: 31.9/30

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 24.8/33

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

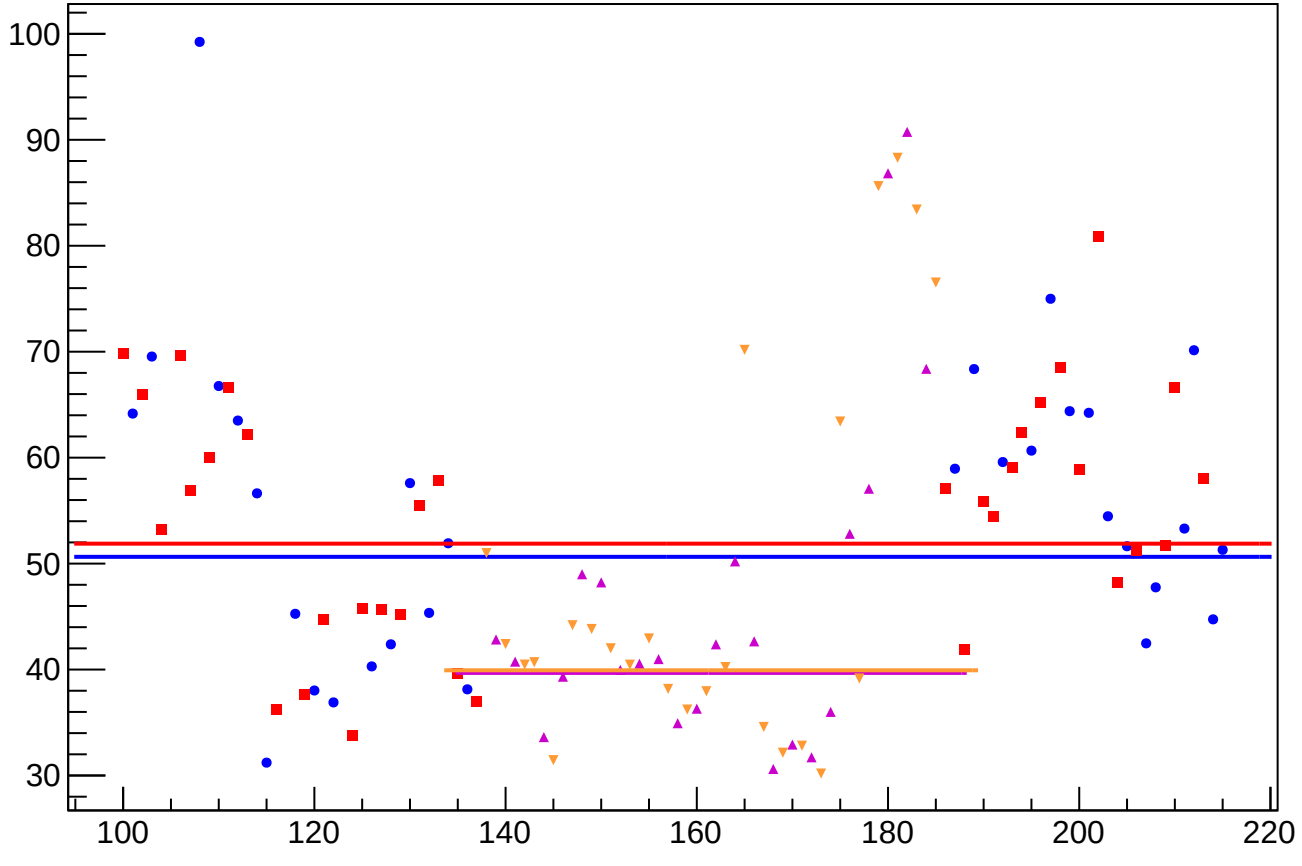
Right: -0.002+/-0.009 χ^2/NDF: 57.0/64

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.005+/-0.008 χ^2/NDF:55.6/58

All: 0.004+/-0.005 χ^2/NDF: 118.8/112

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.639+/-0.009 χ^2/NDF: 1743454.4/30

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.882+/-0.009 χ^2/NDF: 1463577.9/33

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

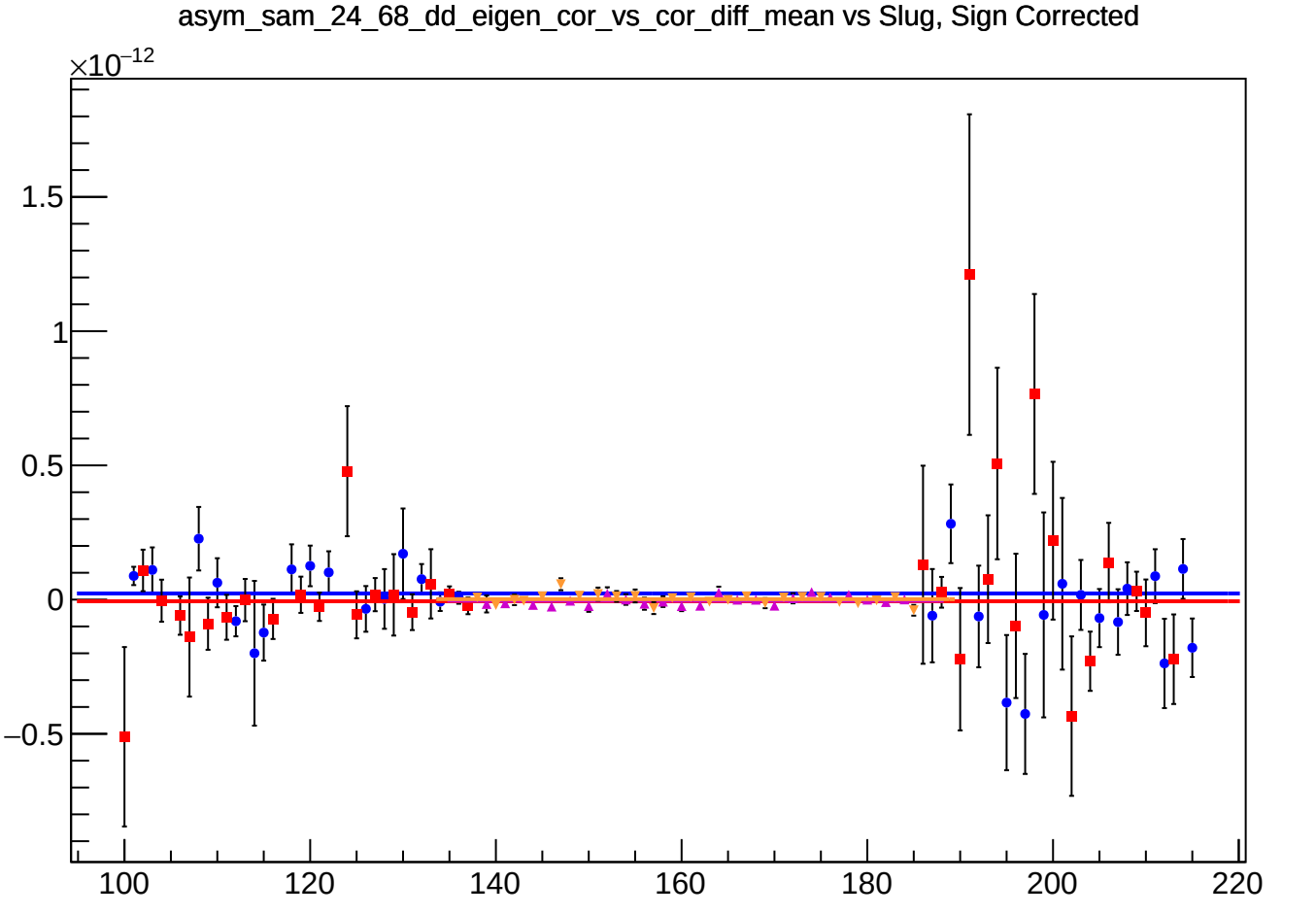
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.242+/-0.006 χ^2/NDF: 3217350.7/64

In: 44.031+/-0.005 χ^2/NDF:4655662.9/53

Out: 44.385+/-0.005 χ^2/NDF:5101413.1/58

All: 44.208+/-0.004 χ^2/NDF: 9759255.4/112



Right In: 0.000+/-0.000 χ^2/NDF: 39.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/33

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

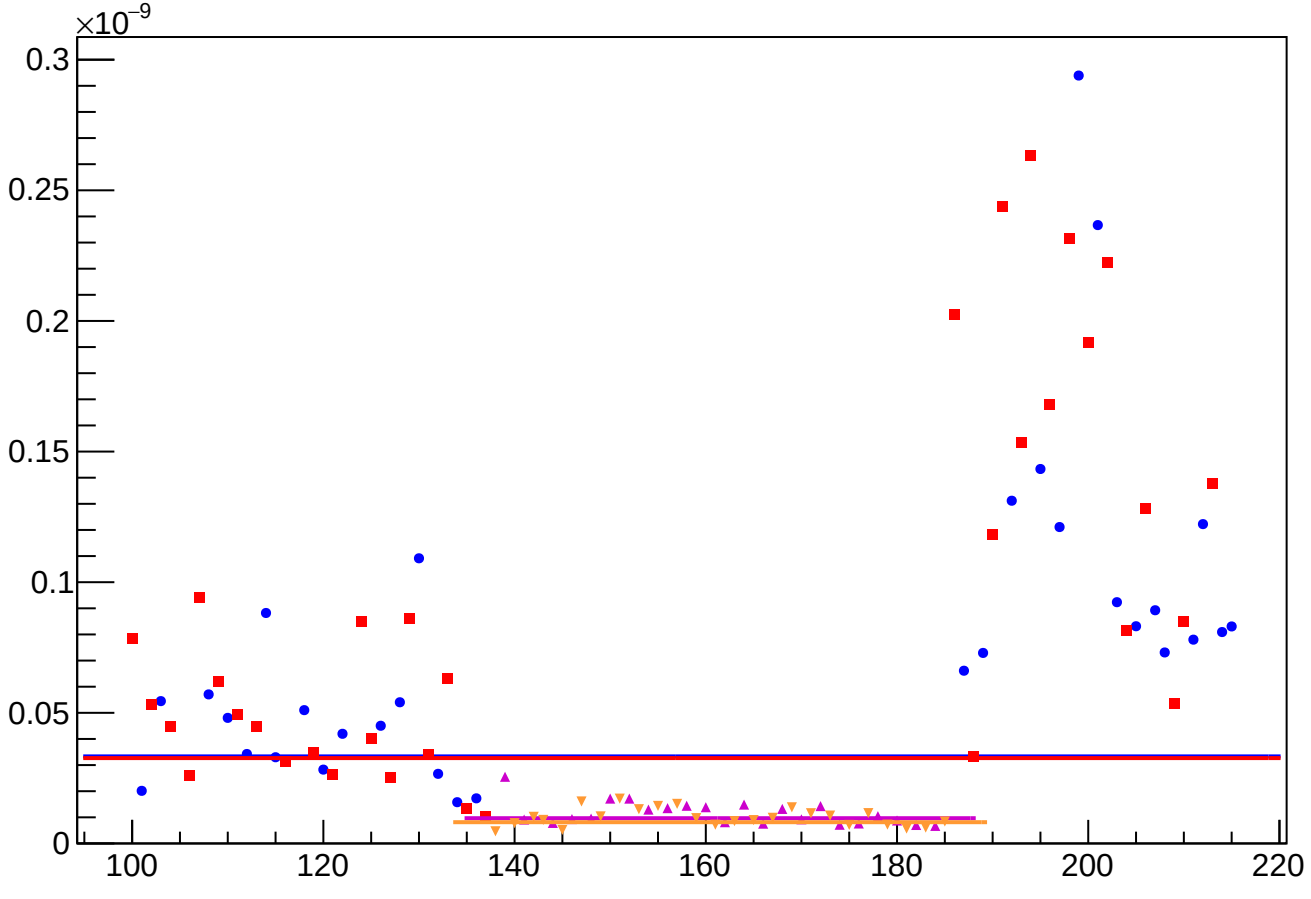
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 78.3/64

In: -0.000+/-0.000 χ^2/NDF:71.6/53

Out: 0.000+/-0.000 χ^2/NDF:64.2/58

All: -0.000+/-0.000 χ^2/NDF: 136.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 9349642.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10513800.7/33

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

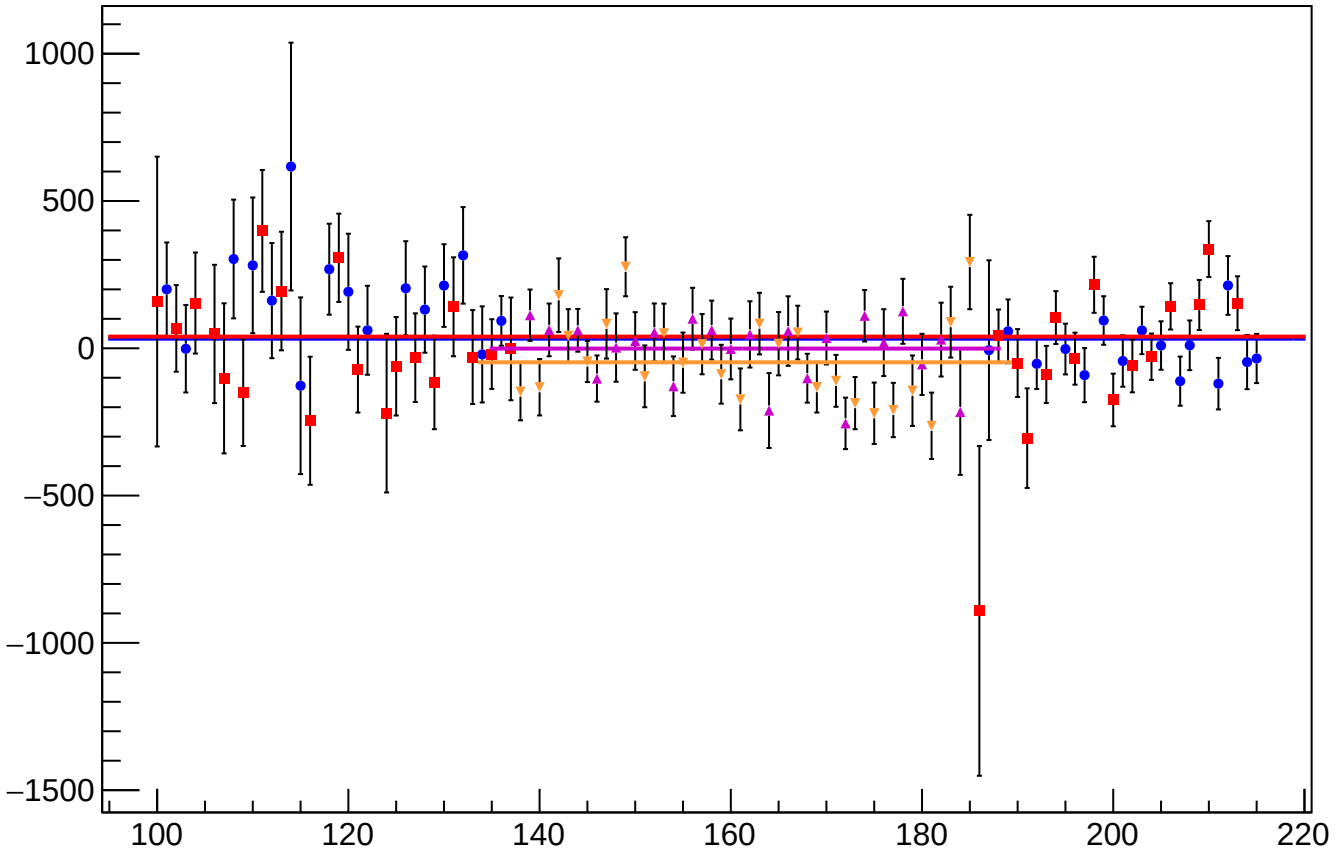
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 19865913.8/64

In: 0.000+/-0.000 χ^2/NDF:18063116.0/53

Out: 0.000+/-0.000 χ^2/NDF:19451228.9/58

All: 0.000+/-0.000 χ^2/NDF: 38001448.2/112



Right In: 32.637+/-20.083 χ^2/NDF: 32.0/30

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 39.601+/-20.979 χ^2/NDF: 50.8/33

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

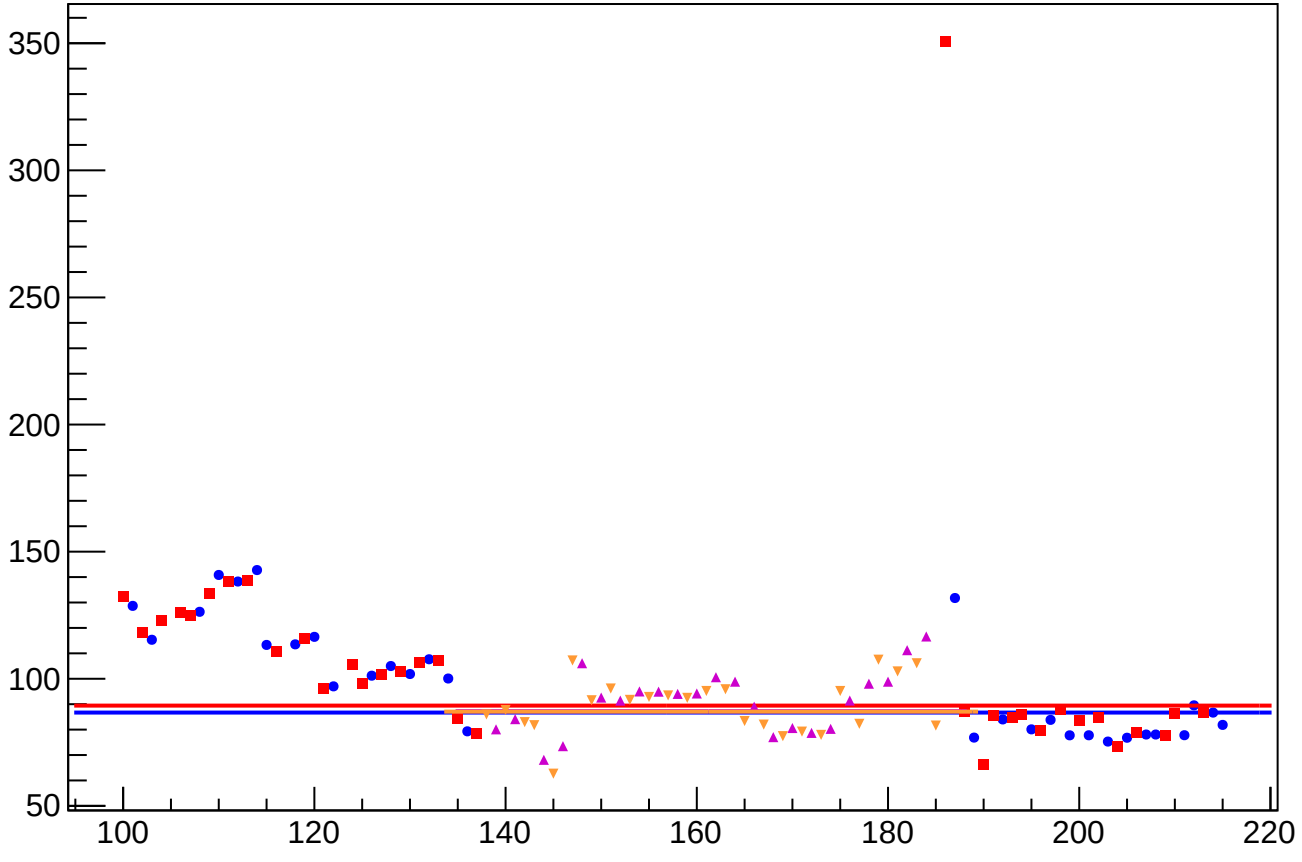
Right: 35.967+/-14.507 χ^2/NDF: 82.9/64

In: 16.256+/-14.381 χ^2/NDF:58.8/53

Out: -6.078+/-14.469 χ^2/NDF:103.8/58

All: 5.157+/-10.200 χ^2/NDF: 163.8/112

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 86.705+/-0.014 χ^2/NDF: 1101447.0/30

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.442+/-0.015 χ^2/NDF: 1520437.4/33

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

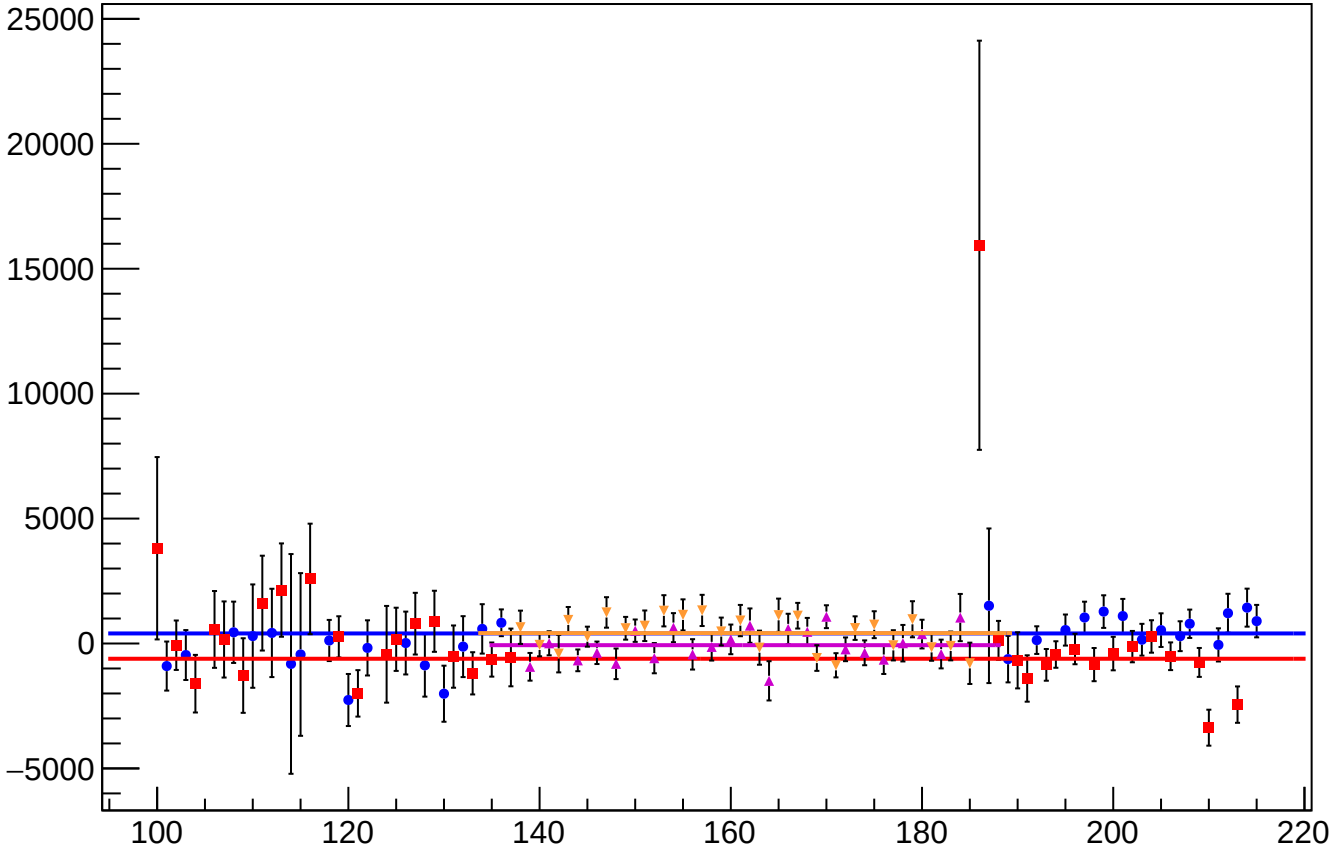
Right: 88.014+/-0.010 χ^2/NDF: 2639636.2/64

In: 86.974+/-0.010 χ^2/NDF:1697973.9/53

Out: 88.199+/-0.010 χ^2/NDF:2154444.4/58

All: 87.583+/-0.007 χ^2/NDF: 3859630.8/112

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 402.577+/-146.564 χ^2/NDF: 26.4/30

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -610.611+/-148.245 χ^2/NDF: 46.4/33

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

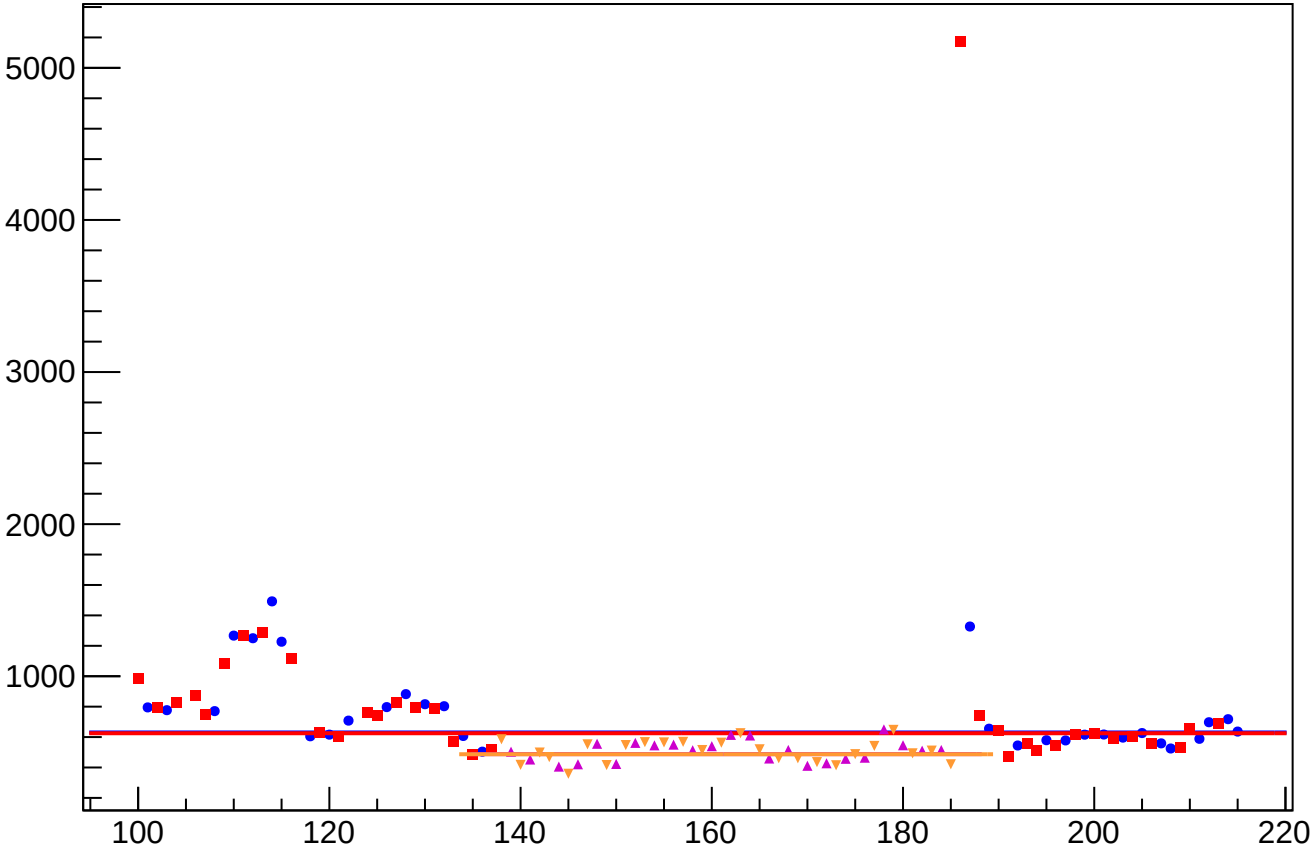
Right: -98.240+/-104.226 χ^2/NDF: 96.4/64

In: 112.942+/-90.677 χ^2/NDF:60.2/53

Out: 41.799+/-89.534 χ^2/NDF:109.3/58

All: 76.919+/-63.710 χ^2/NDF: 169.9/112

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 630.210+/-0.104 χ^2/NDF: 1372670.9/30

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 625.166+/-0.105 χ^2/NDF: 2223467.0/33

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

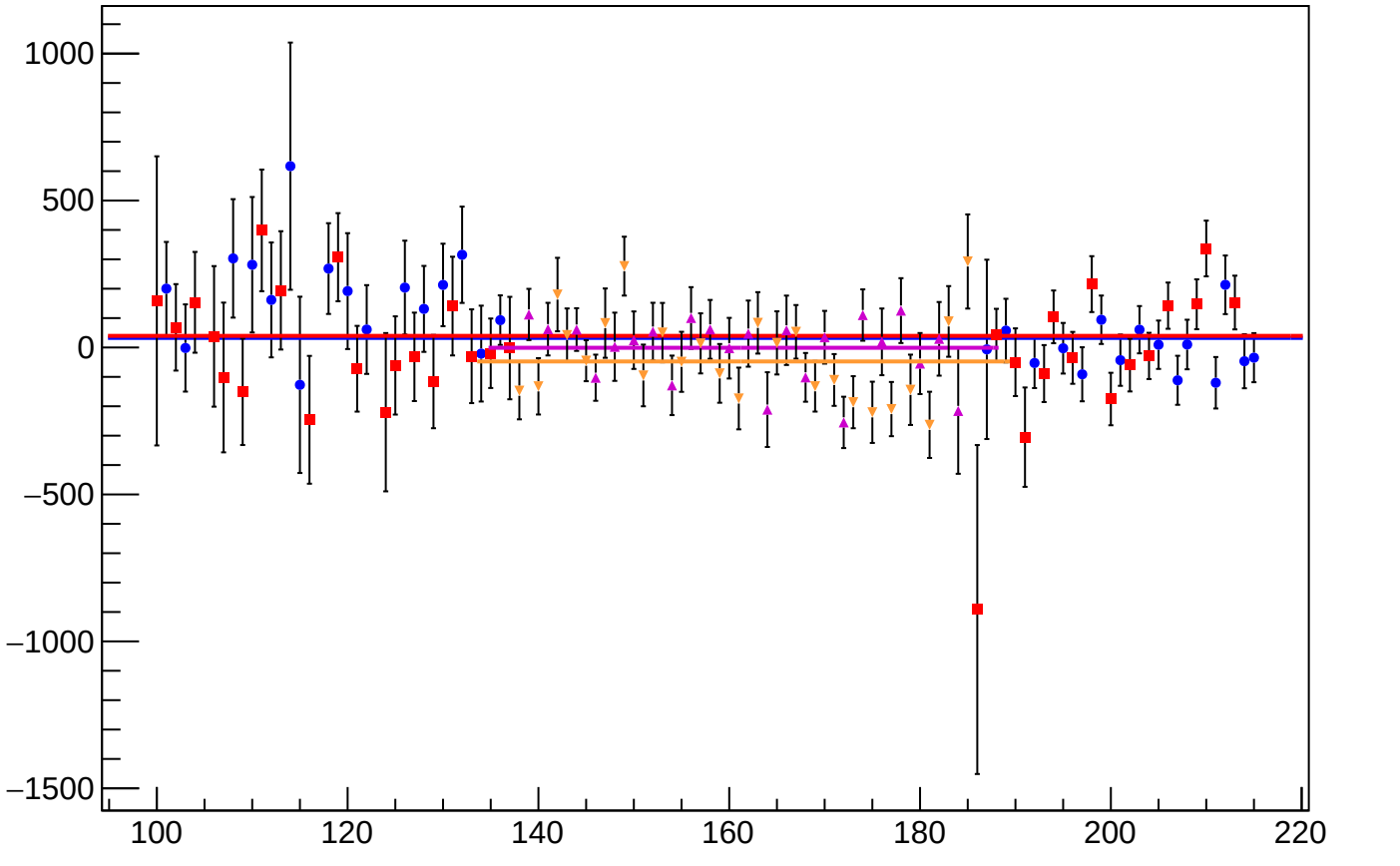
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 627.717+/-0.074 χ^2/NDF: 3597308.4/64

In: 542.391+/-0.064 χ^2/NDF:3170267.3/53

Out: 537.449+/-0.063 χ^2/NDF:4147036.3/58

All: 539.889+/-0.045 χ^2/NDF: 7320311.4/112



Right In: 32.631+/-20.083 χ^2/NDF: 32.0/30

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 39.534+/-20.982 χ^2/NDF: 50.8/33

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

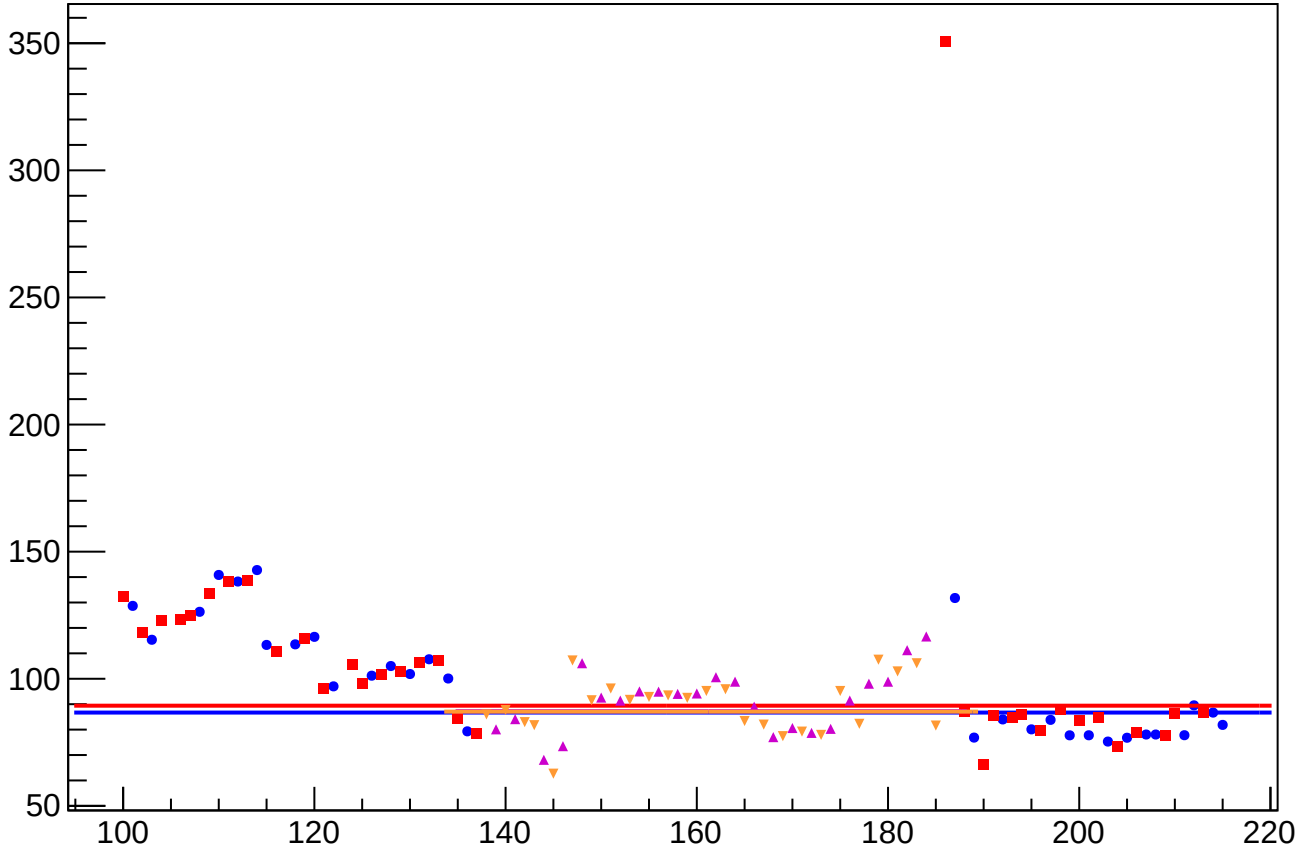
Right: 35.932+/-14.508 χ^2/NDF: 82.9/64

In: 16.252+/-14.381 χ^2/NDF:58.8/53

Out: -6.121+/-14.470 χ^2/NDF:103.8/58

All: 5.135+/-10.200 χ^2/NDF: 163.8/112

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 86.705+/-0.014 χ^2/NDF: 1101447.4/30

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.410+/-0.015 χ^2/NDF: 1511846.2/33

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

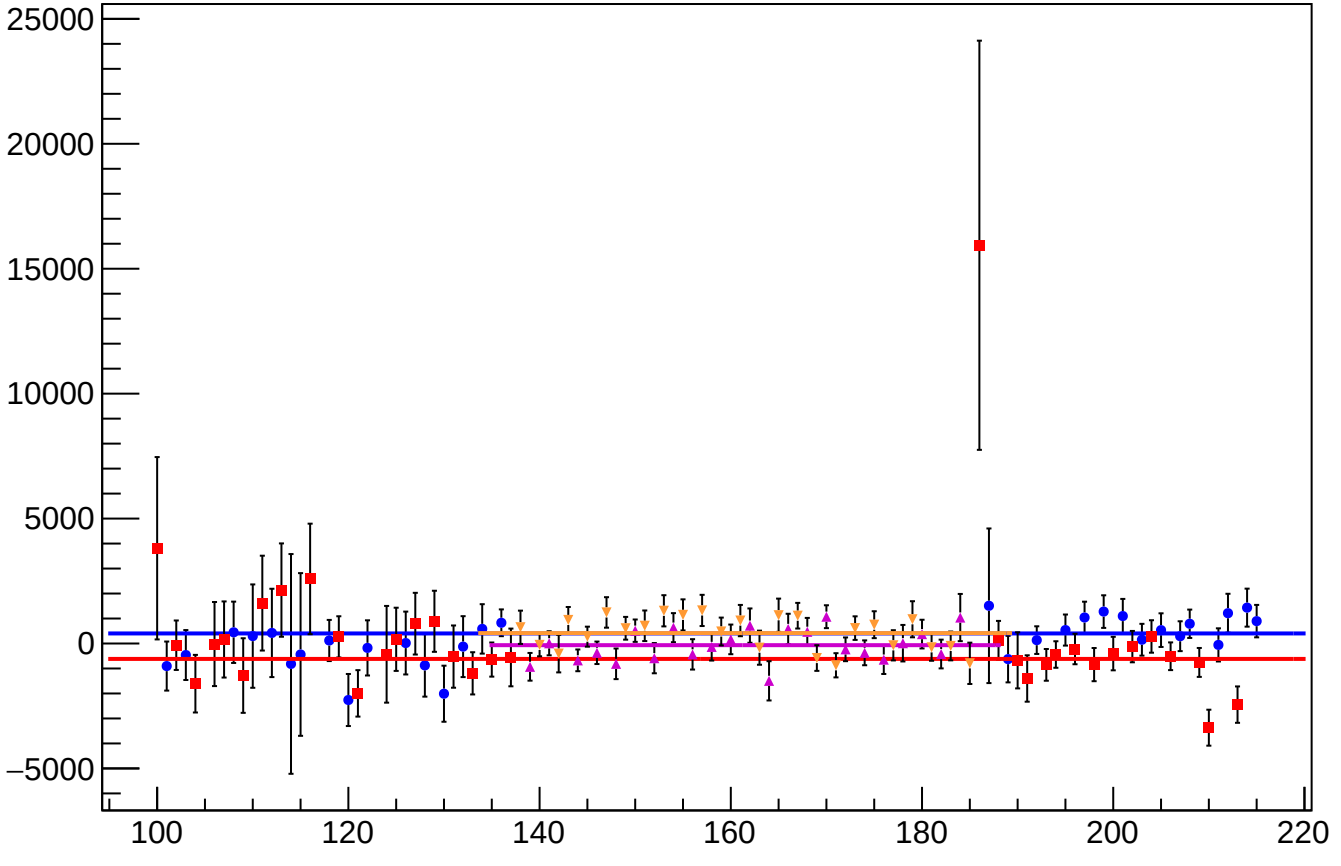
Right: 87.998+/-0.010 χ^2/NDF: 2630629.5/64

In: 86.974+/-0.010 χ^2/NDF:1697974.3/53

Out: 88.184+/-0.010 χ^2/NDF:2145492.0/58

All: 87.575+/-0.007 χ^2/NDF: 3850498.0/112

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 402.574+/-146.564 χ^2/NDF: 26.4/30

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -616.968+/-148.361 χ^2/NDF: 46.0/33

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

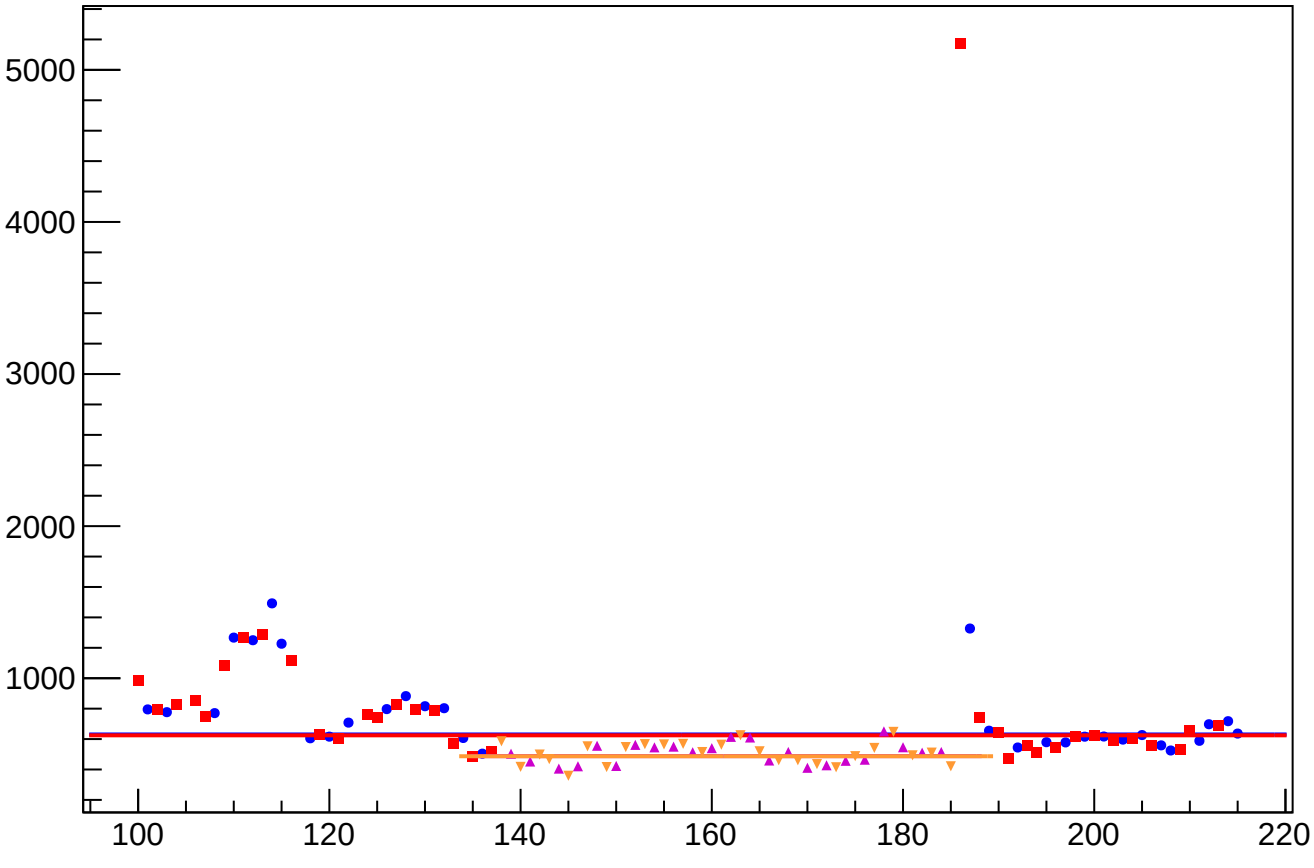
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

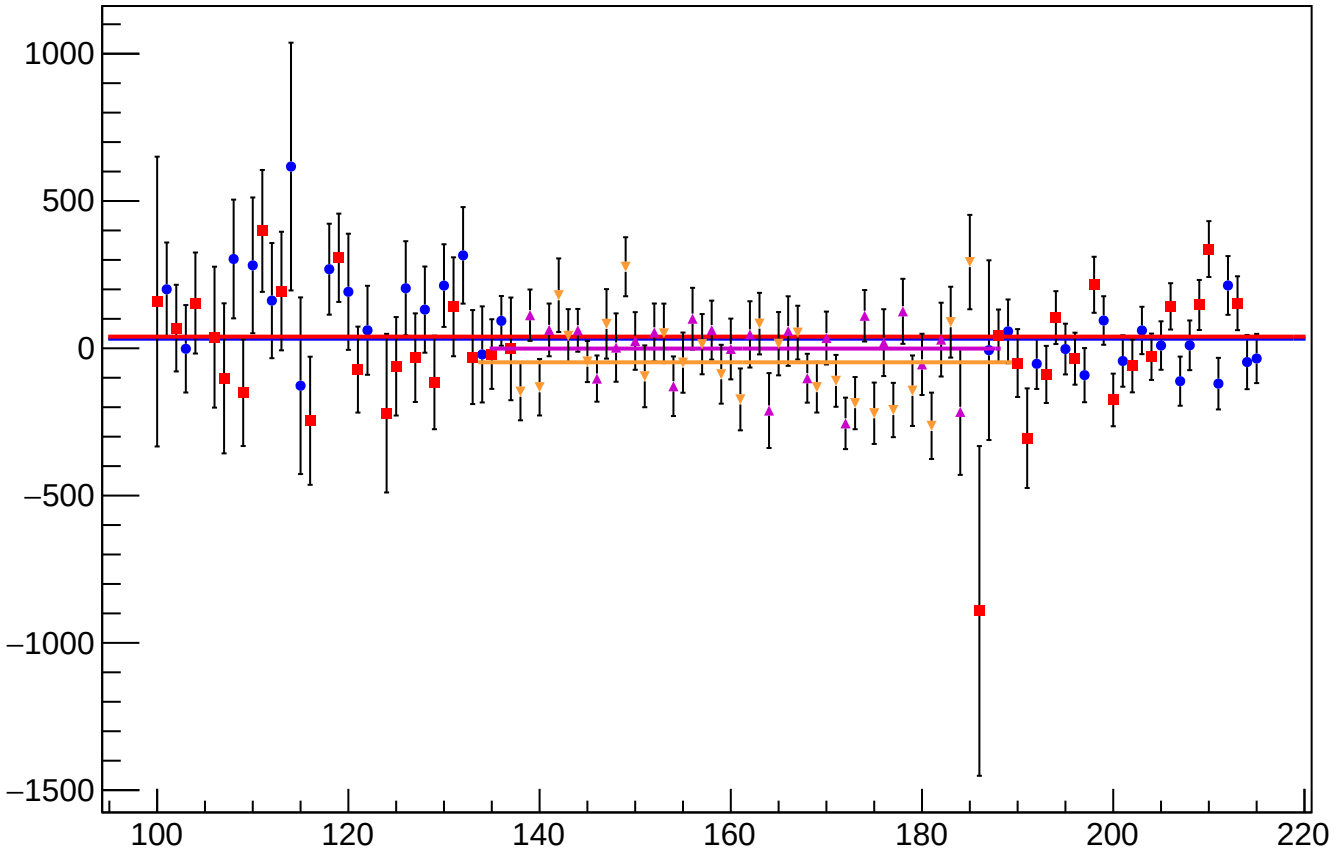
Right: -100.985+/-104.266 χ^2/NDF: 96.2/64

In: 112.942+/-90.677 χ^2/NDF:60.2/53

Out: 39.850+/-89.559 χ^2/NDF:109.2/58

All: 75.942+/-63.720 χ^2/NDF: 169.8/112


asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 630.210+/-0.104 χ²/NDF: 1372682.9/30
Left Out: 487.081+/-0.079 χ²/NDF:821261.6/24
Right Out: 624.630+/-0.105 χ²/NDF: 2208155.2/33
Left In: 487.930+/-0.082 χ²/NDF:634273.3/22
Left: 487.494+/-0.057 χ²/NDF: 1455590.6/47
Right: 627.454+/-0.074 χ²/NDF: 3582269.7/64
In: 542.391+/-0.064 χ²/NDF:3170283.4/53
Out: 537.204+/-0.063 χ²/NDF:4122081.4/58
All: 539.765+/-0.045 χ²/NDF: 7295677.9/112



Right In: 32.631+/-20.083 χ^2/NDF: 32.0/30

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 39.534+/-20.982 χ^2/NDF: 50.8/33

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

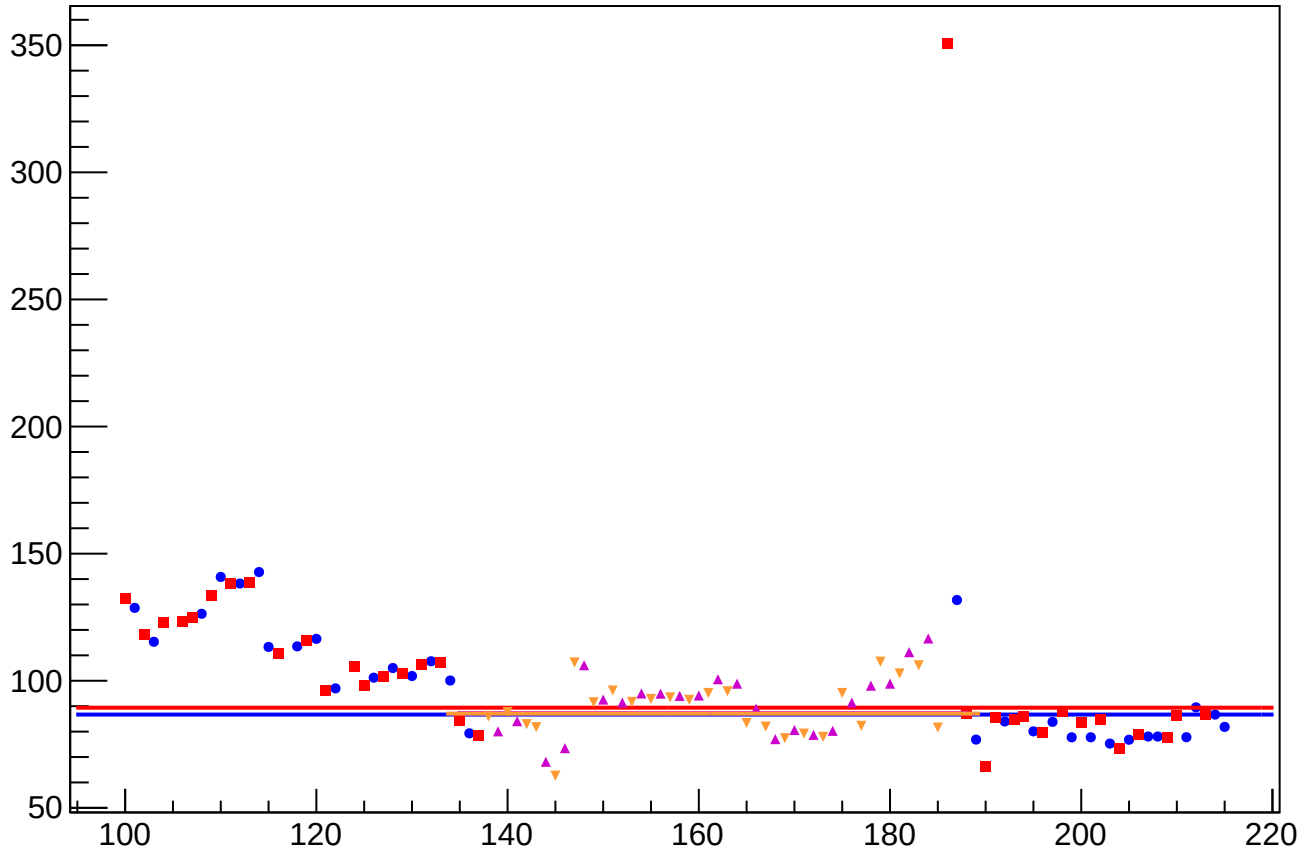
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 35.932+/-14.508 χ^2/NDF: 82.9/64

In: 16.252+/-14.381 χ^2/NDF:58.8/53

Out: -6.121+/-14.470 χ^2/NDF:103.8/58

All: 5.135+/-10.200 χ^2/NDF: 163.8/112



Right In: 86.705+/-0.014 χ^2/NDF: 1101447.4/30

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.410+/-0.015 χ^2/NDF: 1511846.2/33

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

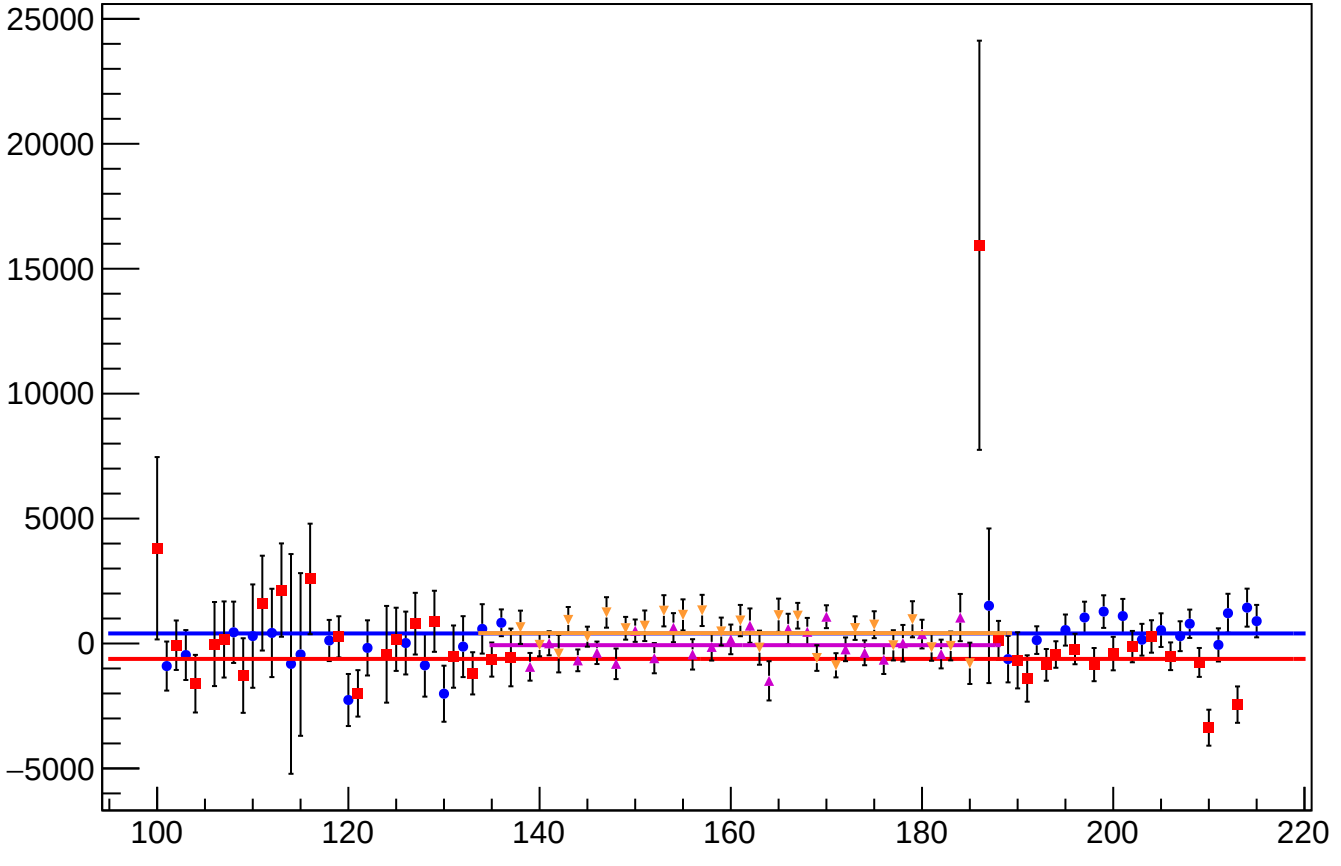
Right: 87.998+/-0.010 χ^2/NDF: 2630629.5/64

In: 86.974+/-0.010 χ^2/NDF:1697974.3/53

Out: 88.184+/-0.010 χ^2/NDF:2145492.0/58

All: 87.575+/-0.007 χ^2/NDF: 3850498.0/112

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 402.574+/-146.564 χ^2/NDF: 26.4/30

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -616.968+/-148.361 χ^2/NDF: 46.0/33

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

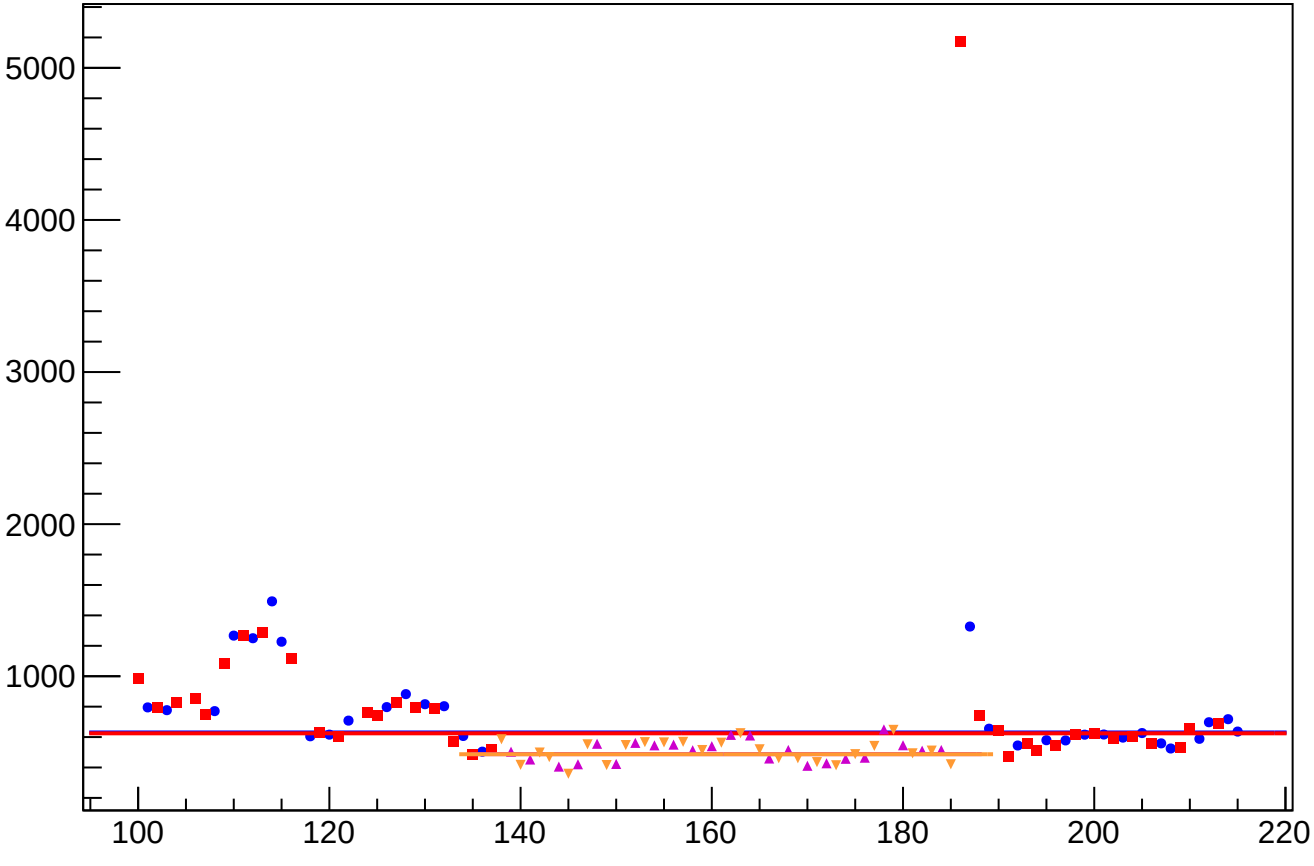
Right: -100.985+/-104.266 χ^2/NDF: 96.2/64

In: 112.942+/-90.677 χ^2/NDF:60.2/53

Out: 39.850+/-89.559 χ^2/NDF:109.2/58

All: 75.942+/-63.720 χ^2/NDF: 169.8/112

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 630.210+/-0.104 χ^2/NDF: 1372682.9/30

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 624.630+/-0.105 χ^2/NDF: 2208155.2/33

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

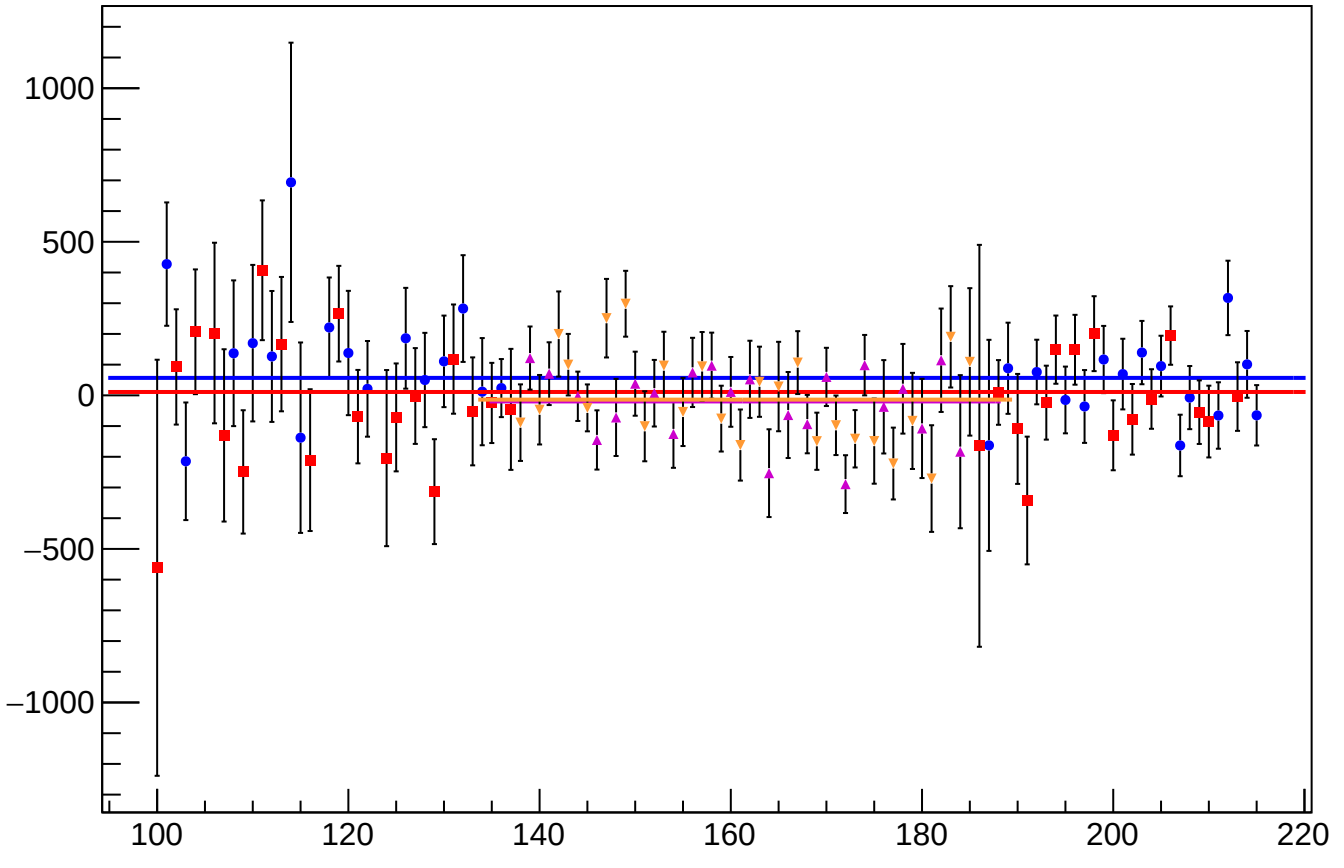
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 627.454+/-0.074 χ^2/NDF: 3582269.7/64

In: 542.391+/-0.064 χ^2/NDF:3170283.4/53

Out: 537.204+/-0.063 χ^2/NDF:4122081.4/58

All: 539.765+/-0.045 χ^2/NDF: 7295677.9/112



Right In: 56.876+/-24.114 χ^2/NDF: 27.5/30

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 10.989+/-25.207 χ^2/NDF: 32.6/33

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

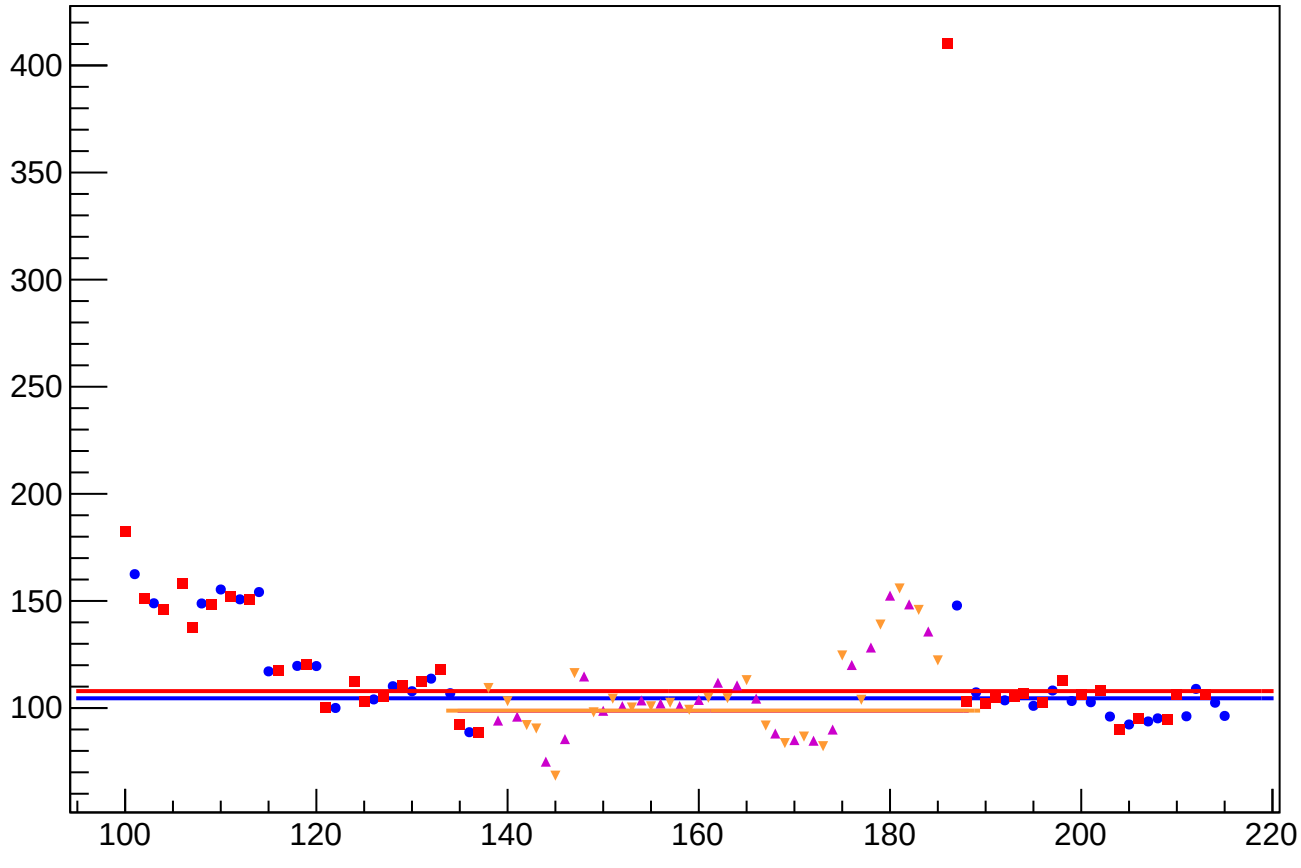
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 34.949+/-17.425 χ^2/NDF: 61.8/64

In: 17.663+/-16.856 χ^2/NDF:56.0/53

Out: -2.640+/-16.956 χ^2/NDF:69.5/58

All: 7.572+/-11.954 χ^2/NDF: 126.2/112



Right In: 104.554+/-0.017 χ^2/NDF: 790600.8/30

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 107.913+/-0.018 χ^2/NDF: 1175119.7/33

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

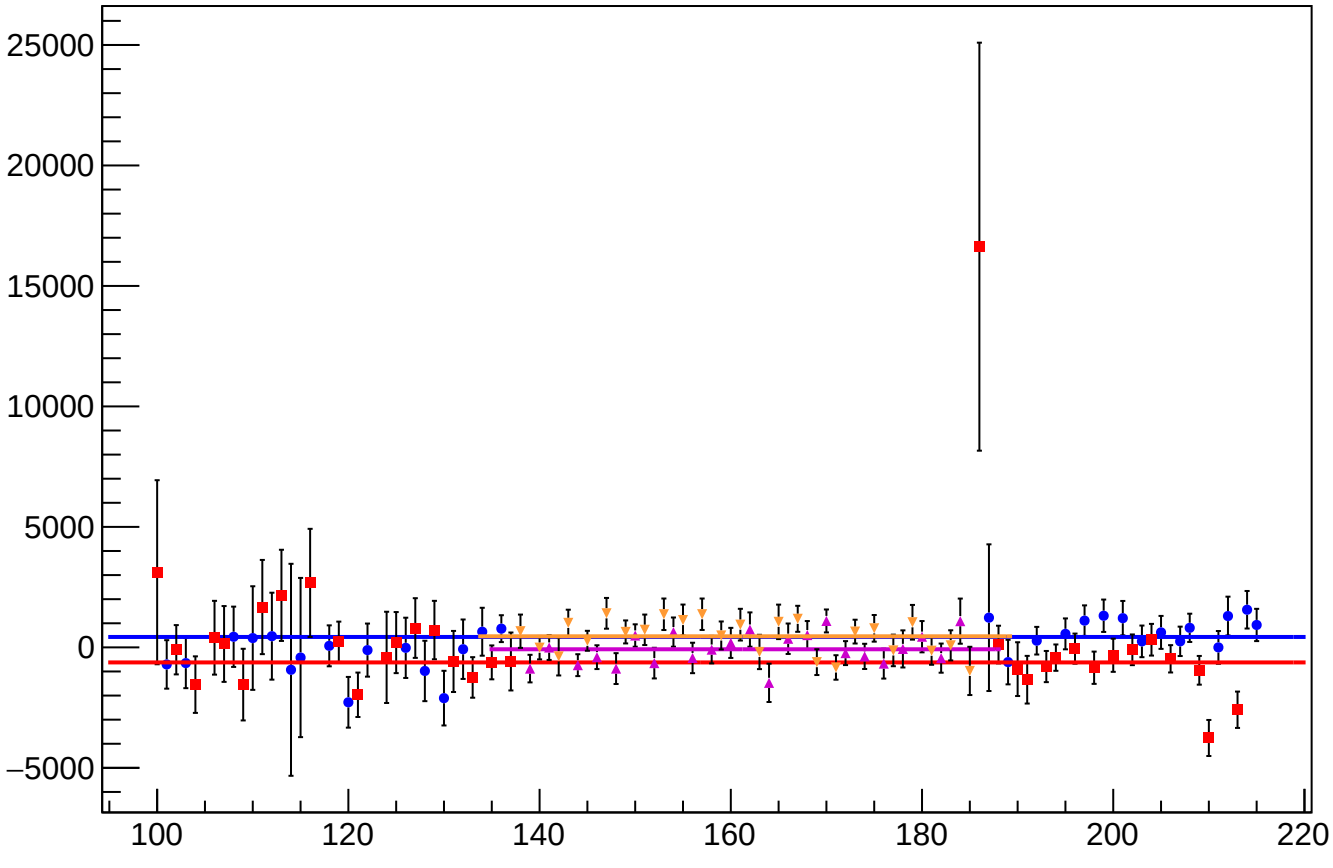
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 106.159+/-0.012 χ^2/NDF: 1984262.7/64

In: 101.546+/-0.012 χ^2/NDF:1839252.4/53

Out: 102.923+/-0.012 χ^2/NDF:2504073.3/58

All: 102.231+/-0.008 χ^2/NDF: 4349953.5/112



Right In: 432.159+/-150.210 χ^2/NDF: 27.0/30

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -624.615+/-151.235 χ^2/NDF: 49.8/33

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

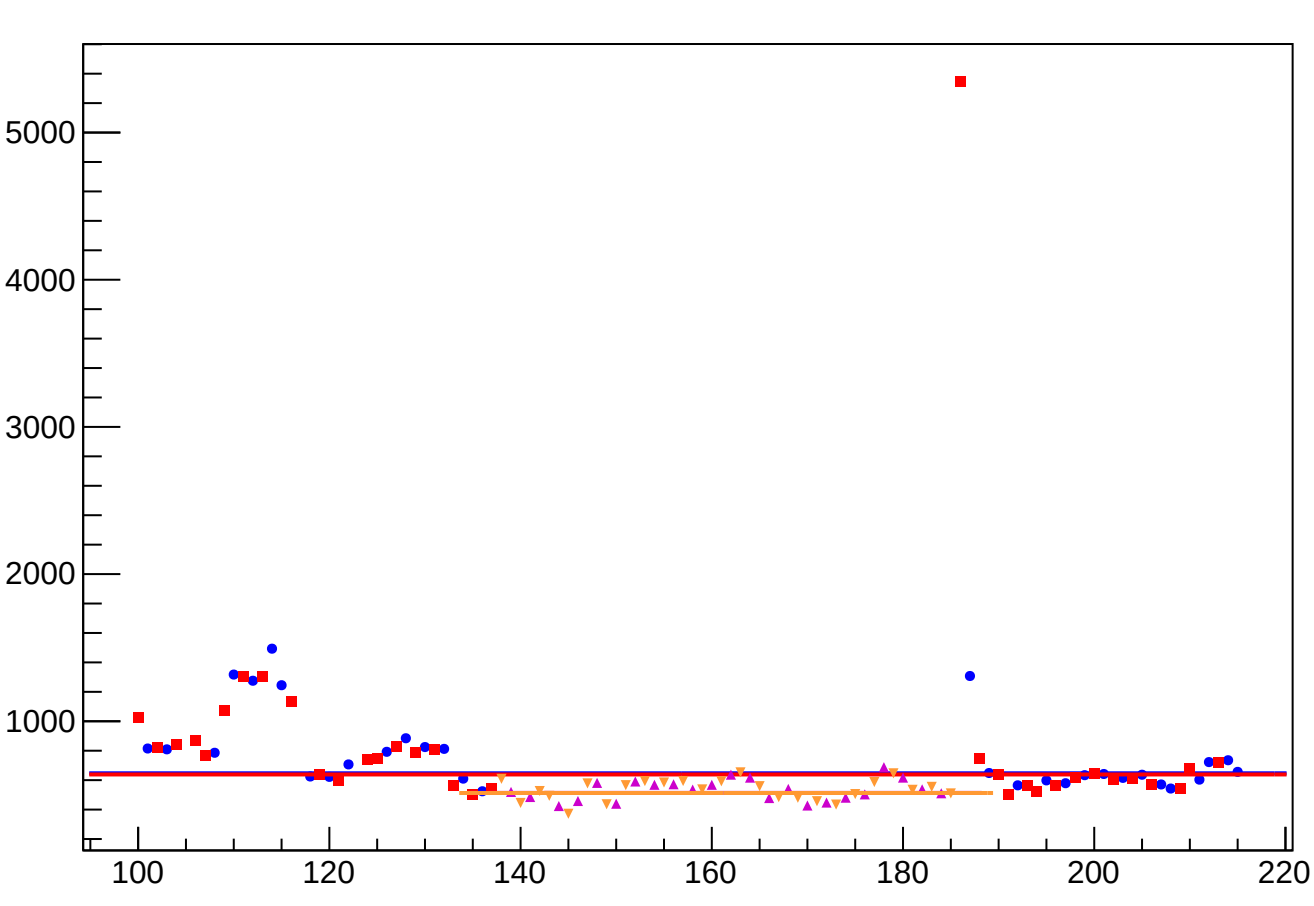
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -92.636+/-106.575 χ^2/NDF: 101.3/64

In: 123.163+/-94.436 χ^2/NDF:60.2/53

Out: 48.526+/-93.087 χ^2/NDF:112.4/58

All: 85.307+/-66.294 χ^2/NDF: 173.0/112



Right In: 646.567+/-0.106 χ^2/NDF: 1319381.0/30

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 638.593+/-0.107 χ^2/NDF: 2157113.5/33

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

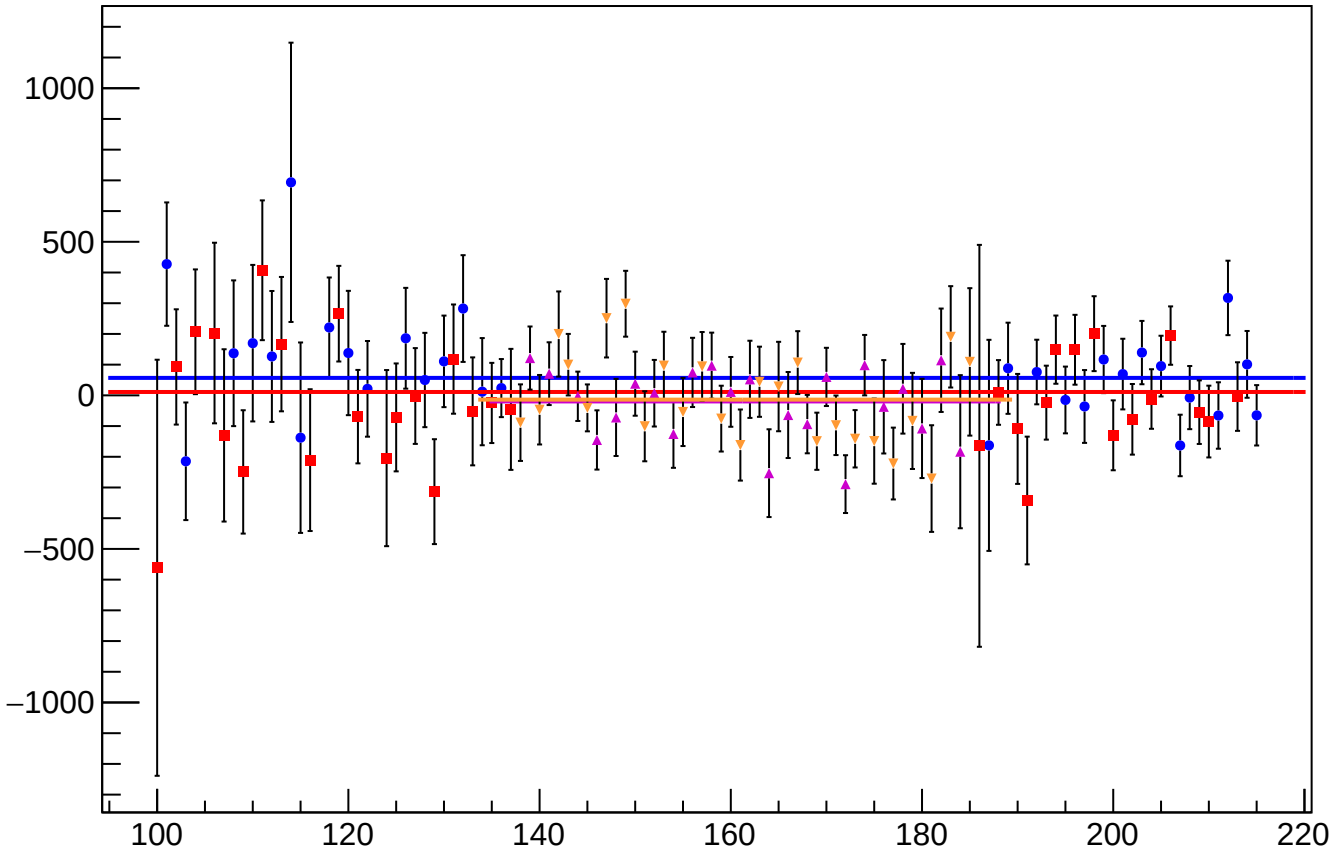
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 642.607+/-0.075 χ^2/NDF: 3479293.6/64

In: 566.019+/-0.067 χ^2/NDF:2904342.7/53

Out: 560.437+/-0.066 χ^2/NDF:3816252.3/58

All: 563.188+/-0.047 χ^2/NDF: 6724138.6/112



Right In: 56.875+/-24.114 χ^2/NDF: 27.5/30

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 10.990+/-25.207 χ^2/NDF: 32.6/33

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

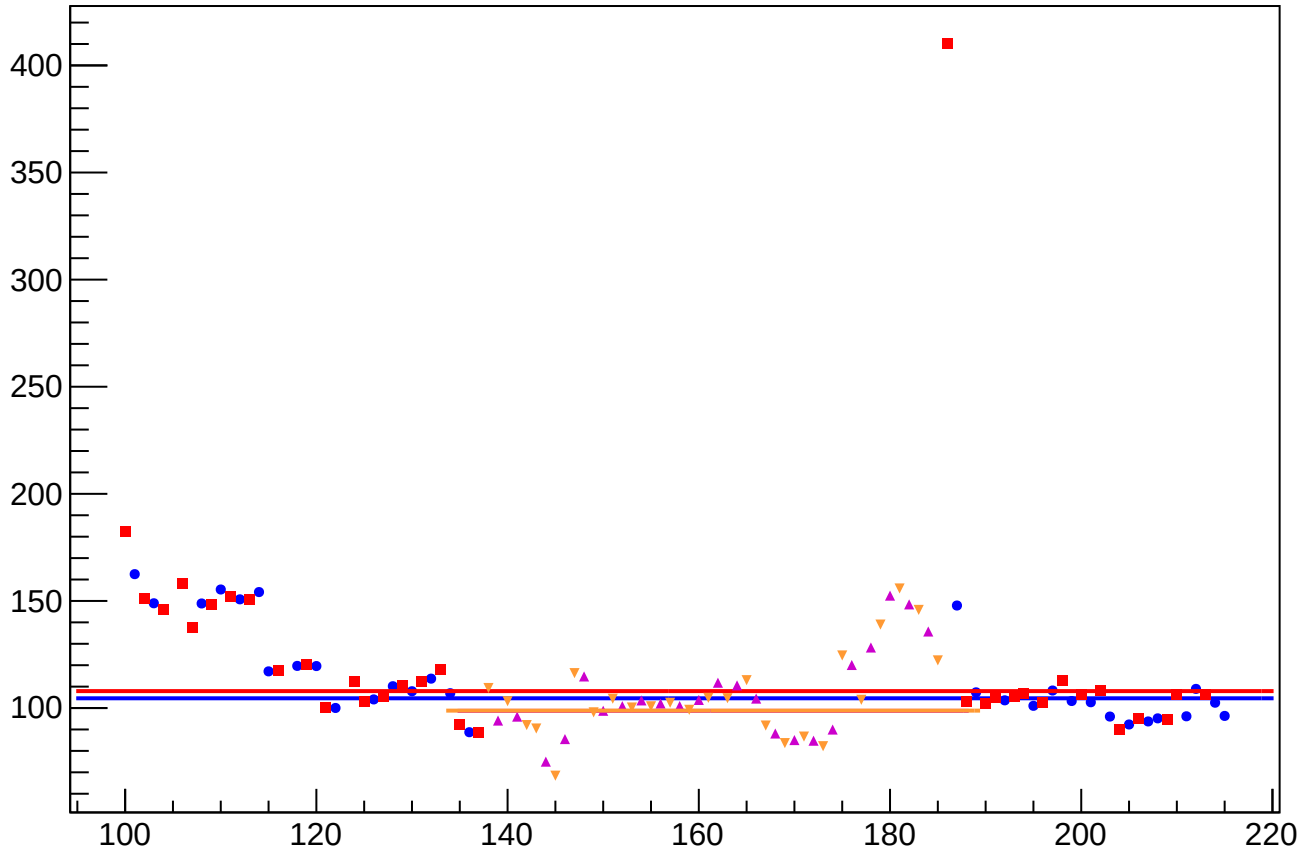
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 34.949+/-17.425 χ^2/NDF: 61.8/64

In: 17.663+/-16.856 χ^2/NDF:56.0/53

Out: -2.640+/-16.956 χ^2/NDF:69.5/58

All: 7.571+/-11.954 χ^2/NDF: 126.2/112



Right In: 104.554+/-0.017 χ^2/NDF: 790592.2/30

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 107.913+/-0.018 χ^2/NDF: 1175106.7/33

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

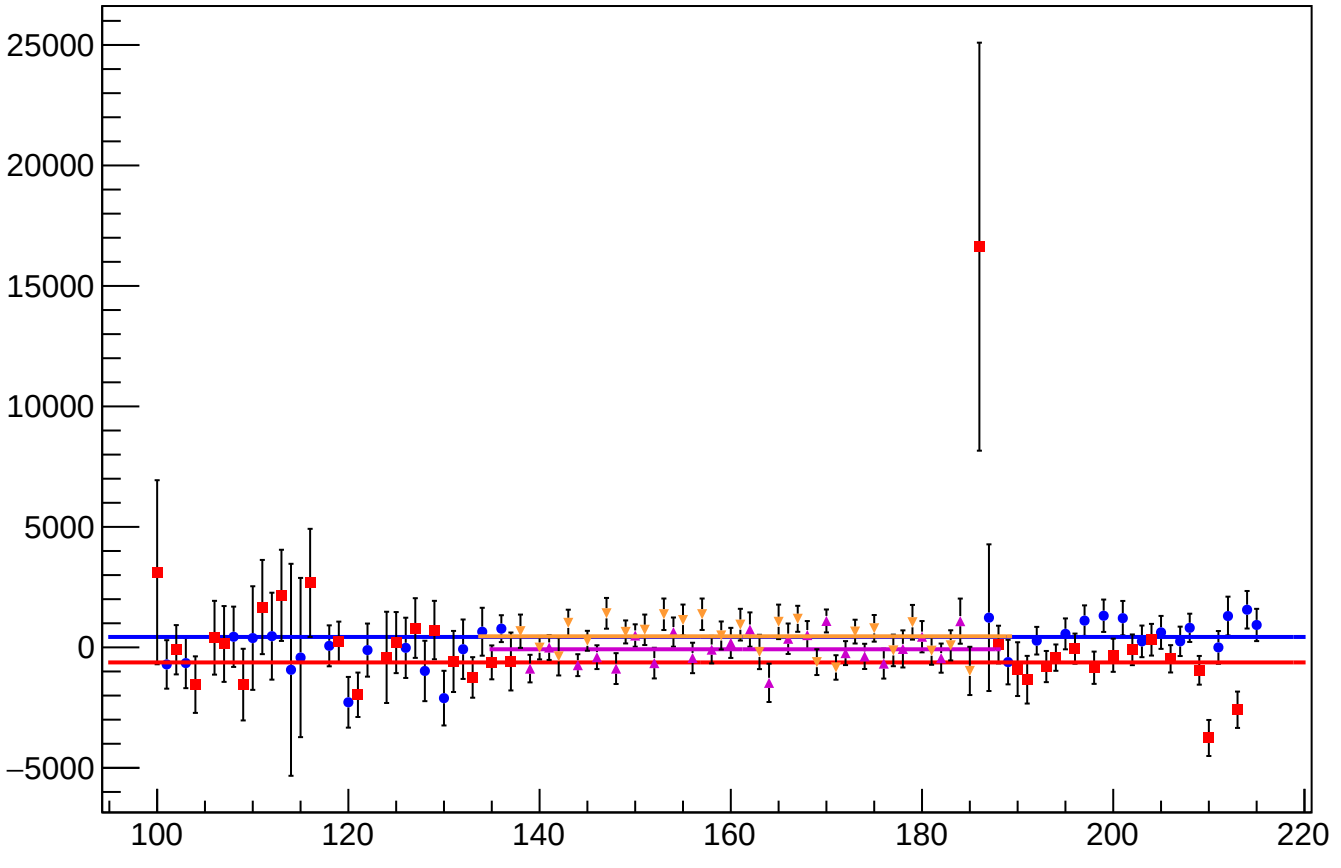
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 106.159+/-0.012 χ^2/NDF: 1984241.5/64

In: 101.546+/-0.012 χ^2/NDF:1839236.5/53

Out: 102.923+/-0.012 χ^2/NDF:2504068.4/58

All: 102.231+/-0.008 χ^2/NDF: 4349932.6/112



Right In: 432.159+/-150.210 χ^2/NDF: 27.0/30

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -624.613+/-151.235 χ^2/NDF: 49.8/33

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

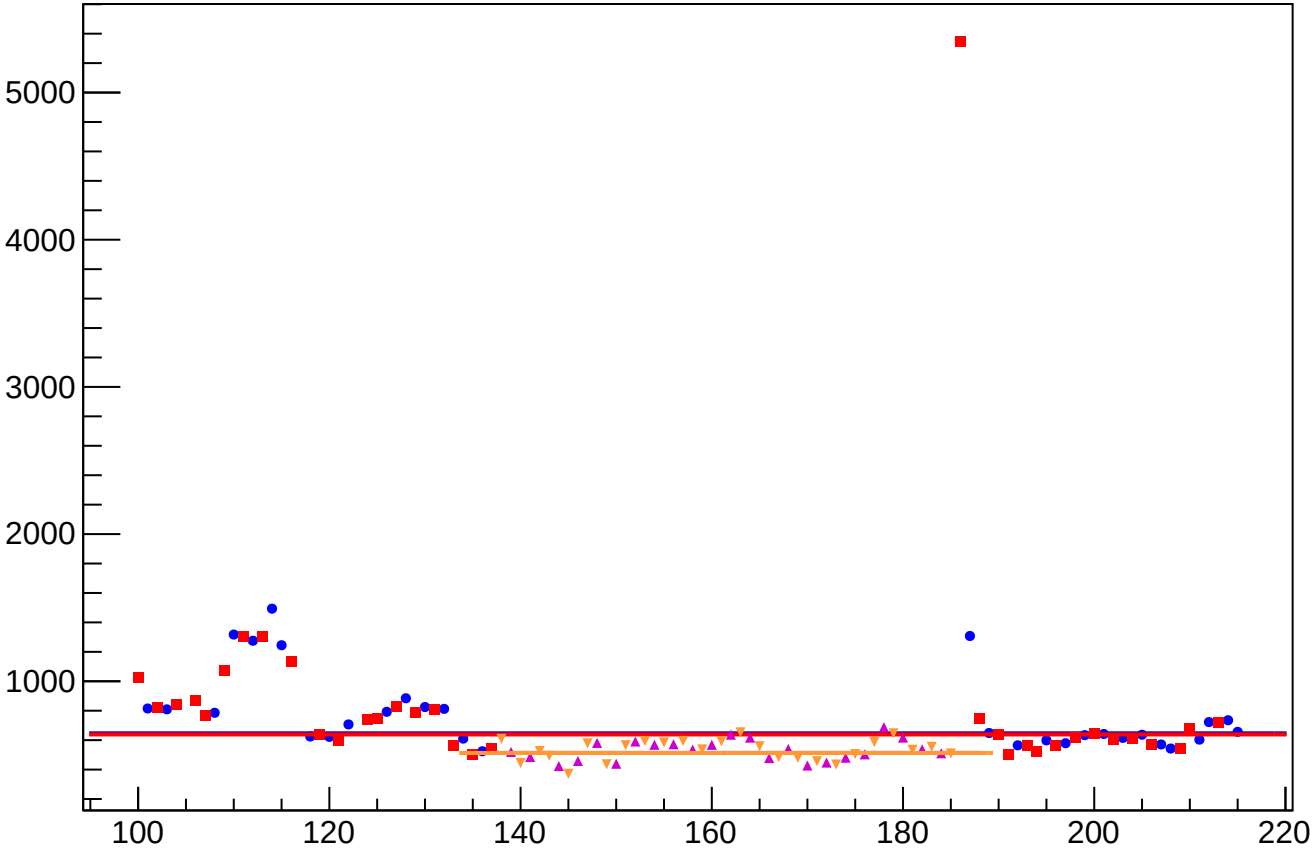
Right: -92.636+/-106.575 χ^2/NDF: 101.3/64

In: 123.163+/-94.436 χ^2/NDF:60.2/53

Out: 48.525+/-93.087 χ^2/NDF:112.4/58

All: 85.307+/-66.294 χ^2/NDF: 173.0/112

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 646.566+/-0.106 χ^2/NDF: 1319377.6/30

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 638.592+/-0.107 χ^2/NDF: 2157109.9/33

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

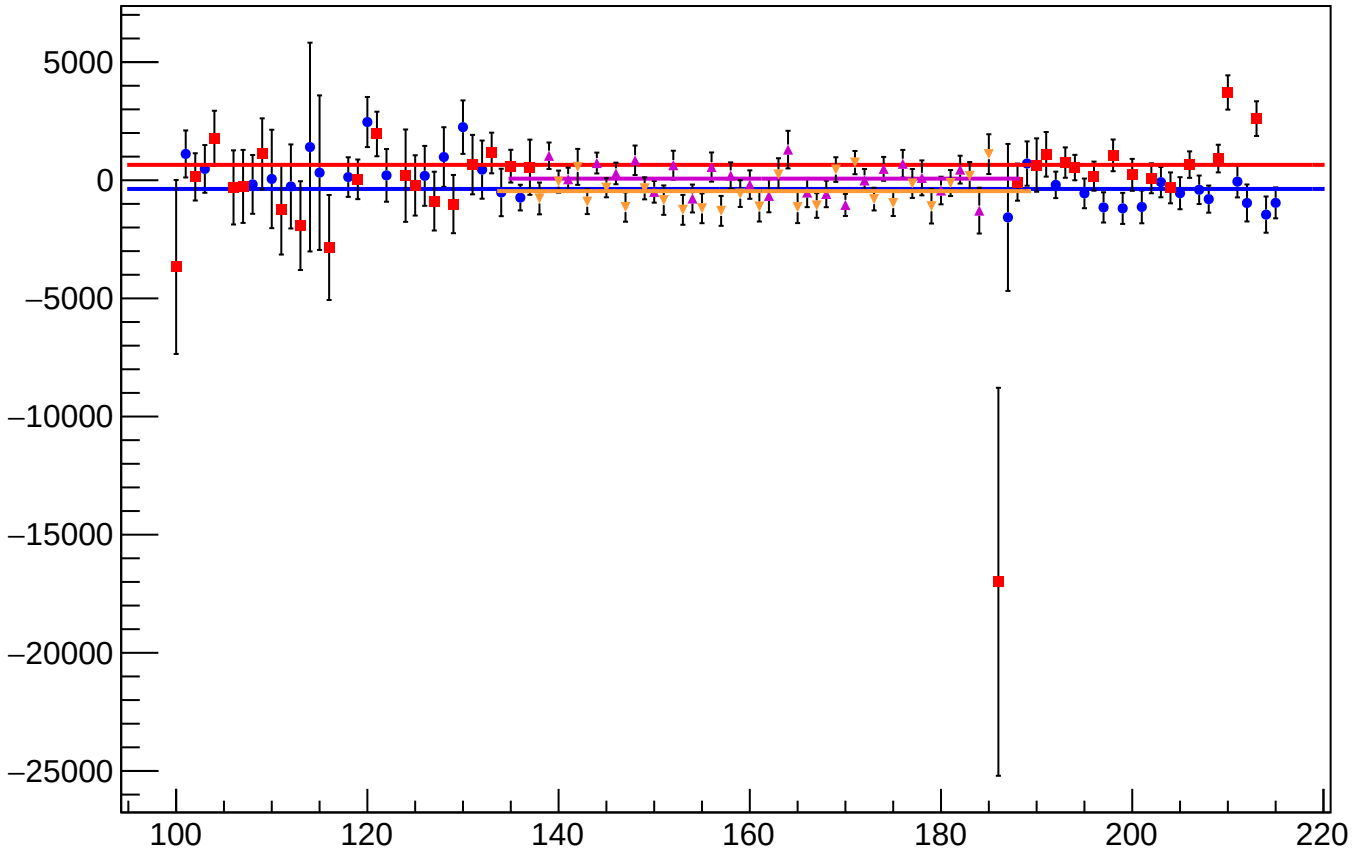
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 642.606+/-0.075 χ^2/NDF: 3479286.7/64

In: 566.019+/-0.067 χ^2/NDF:2904328.7/53

Out: 560.437+/-0.066 χ^2/NDF:3816238.6/58

All: 563.188+/-0.047 χ^2/NDF: 6724111.1/112



Right In: -367.613+/-148.076 χ^2/NDF: 28.9/30

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 651.419+/-149.904 χ^2/NDF: 50.6/33

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

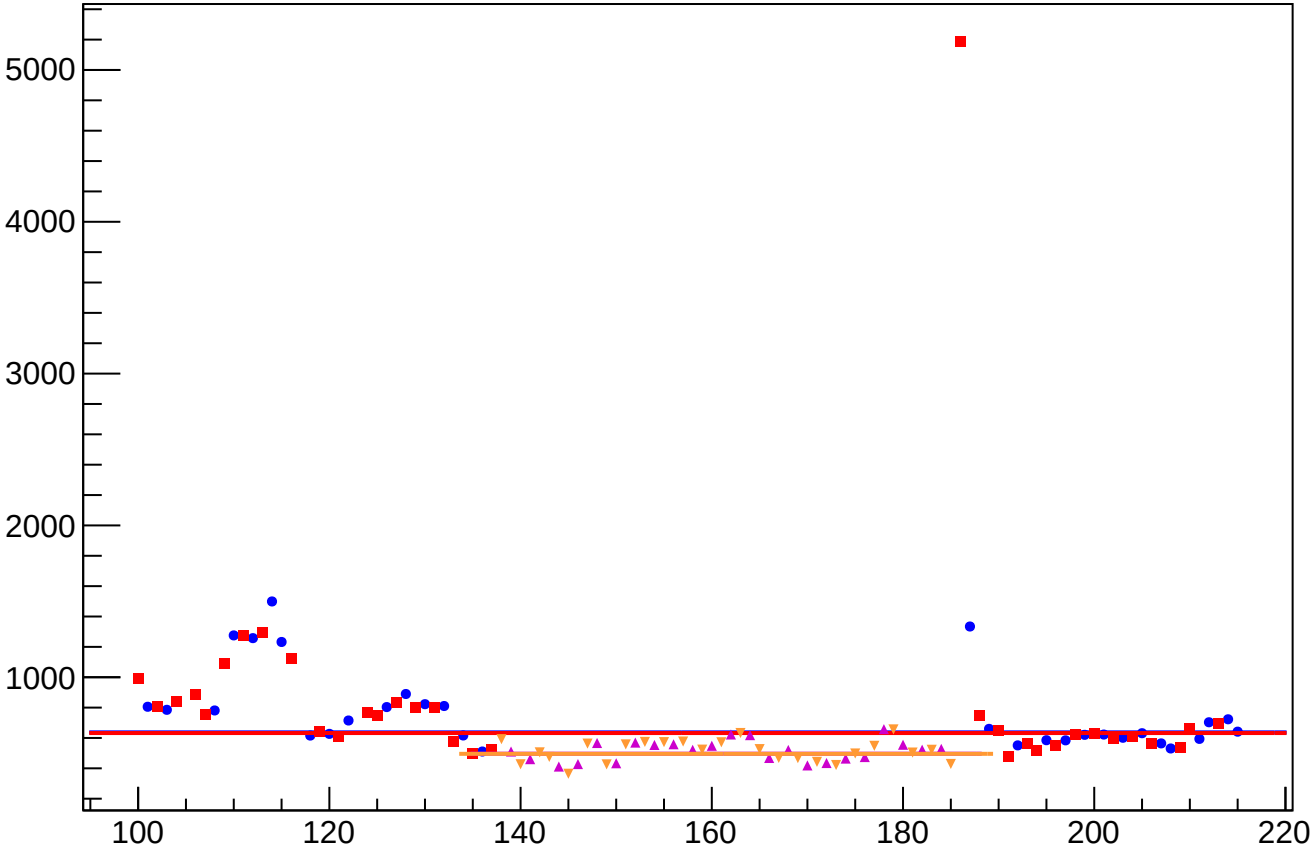
Right: 135.650+/-105.346 χ^2/NDF: 102.9/64

In: -100.049+/-91.978 χ^2/NDF:62.8/53

Out: -51.611+/-90.858 χ^2/NDF:116.2/58

All: -75.533+/-64.639 χ^2/NDF: 179.2/112

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 636.864+/-0.105 χ^2/NDF: 1359710.8/30

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 632.401+/-0.106 χ^2/NDF: 2201705.6/33

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

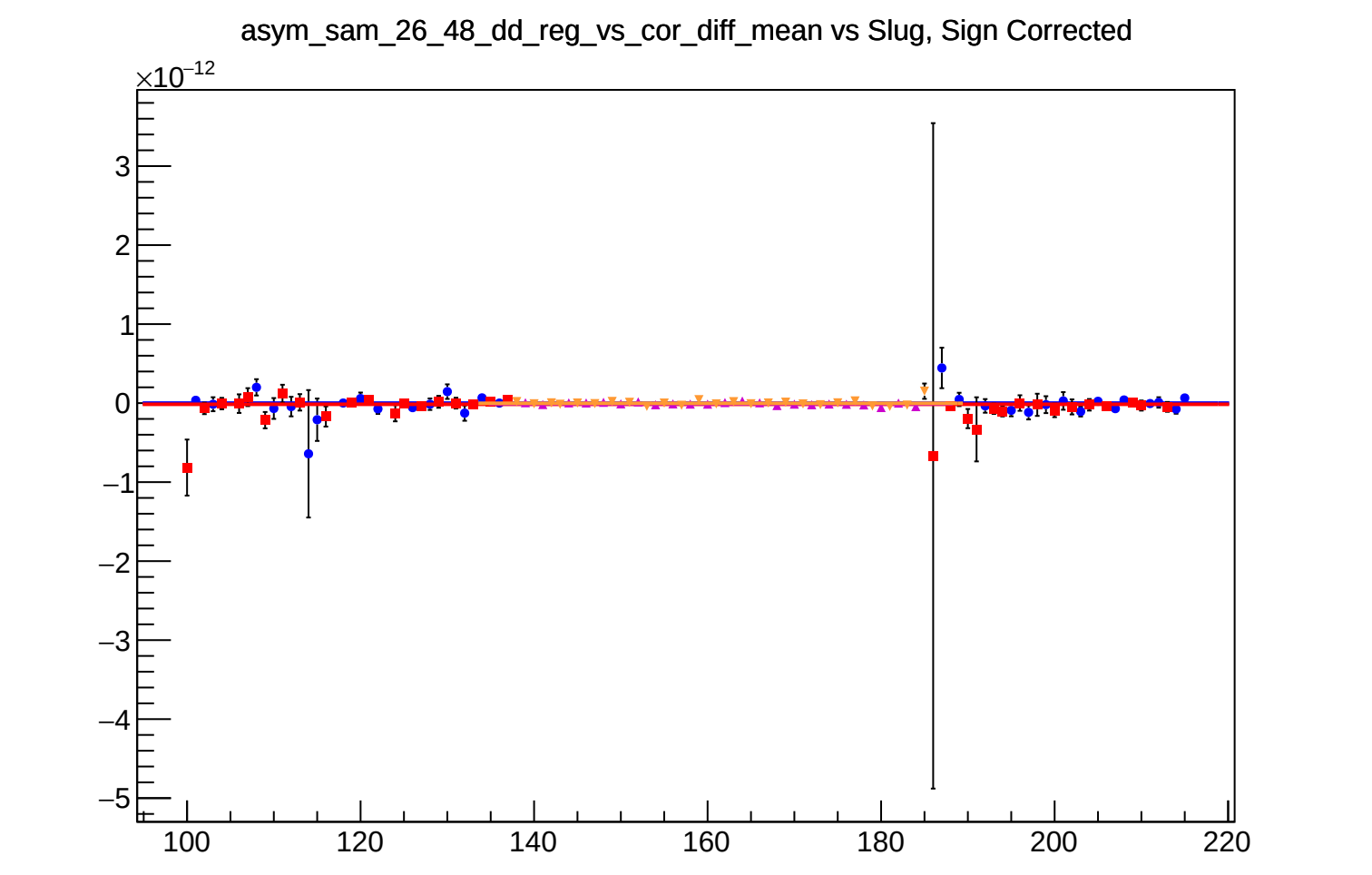
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 634.660+/-0.074 χ^2/NDF: 3562313.9/64

In: 550.539+/-0.065 χ^2/NDF:3088820.3/53

Out: 545.802+/-0.064 χ^2/NDF:4061420.2/58

All: 548.142+/-0.046 χ^2/NDF: 7152925.4/112



Right In: -0.000+/-0.000 χ^2/NDF: 32.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/33

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

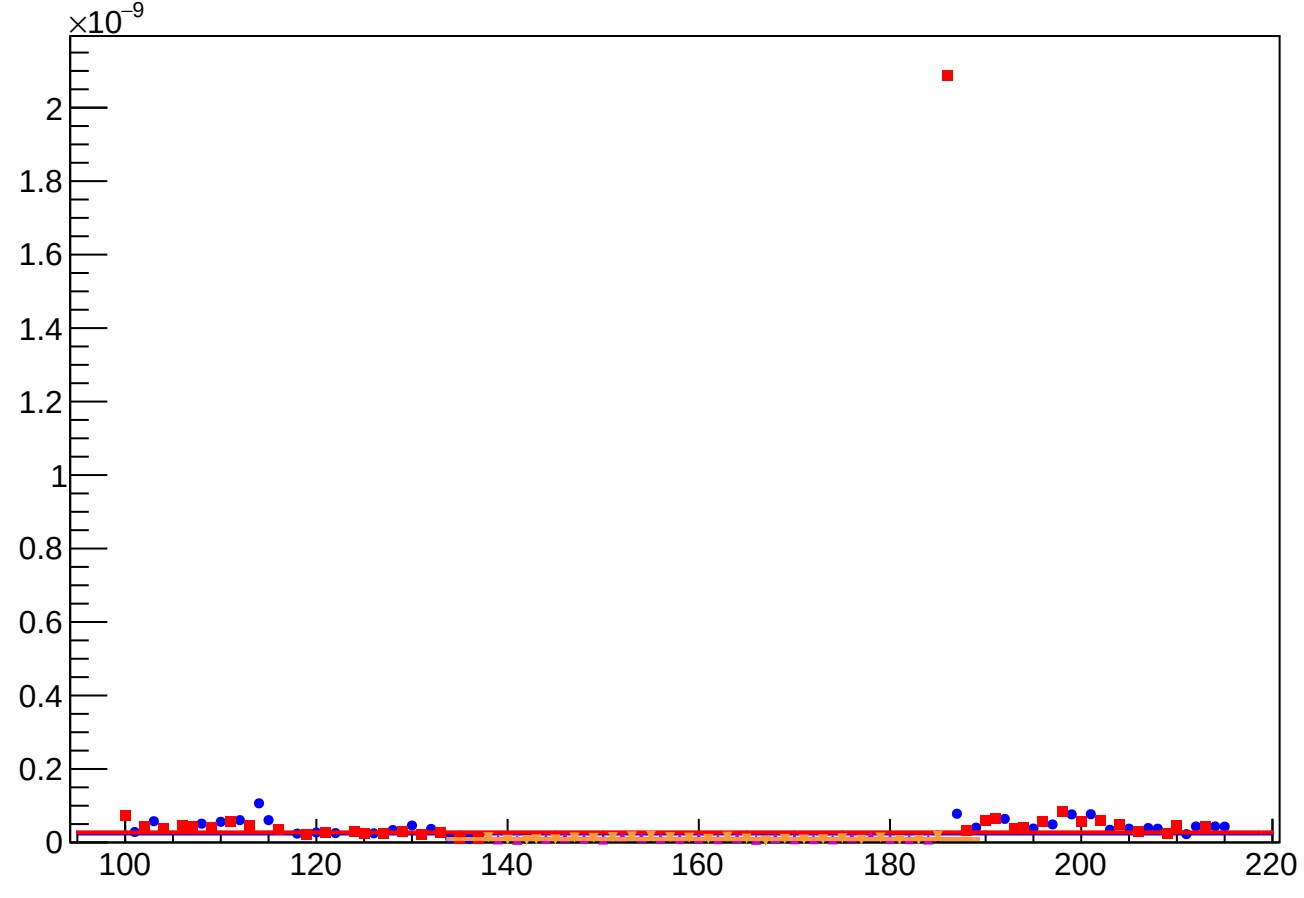
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 60.4/64

In: -0.000+/-0.000 χ^2/NDF:48.9/53

Out: -0.000+/-0.000 χ^2/NDF:53.0/58

All: -0.000+/-0.000 χ^2/NDF: 102.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 5874451.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4397795.7/33

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

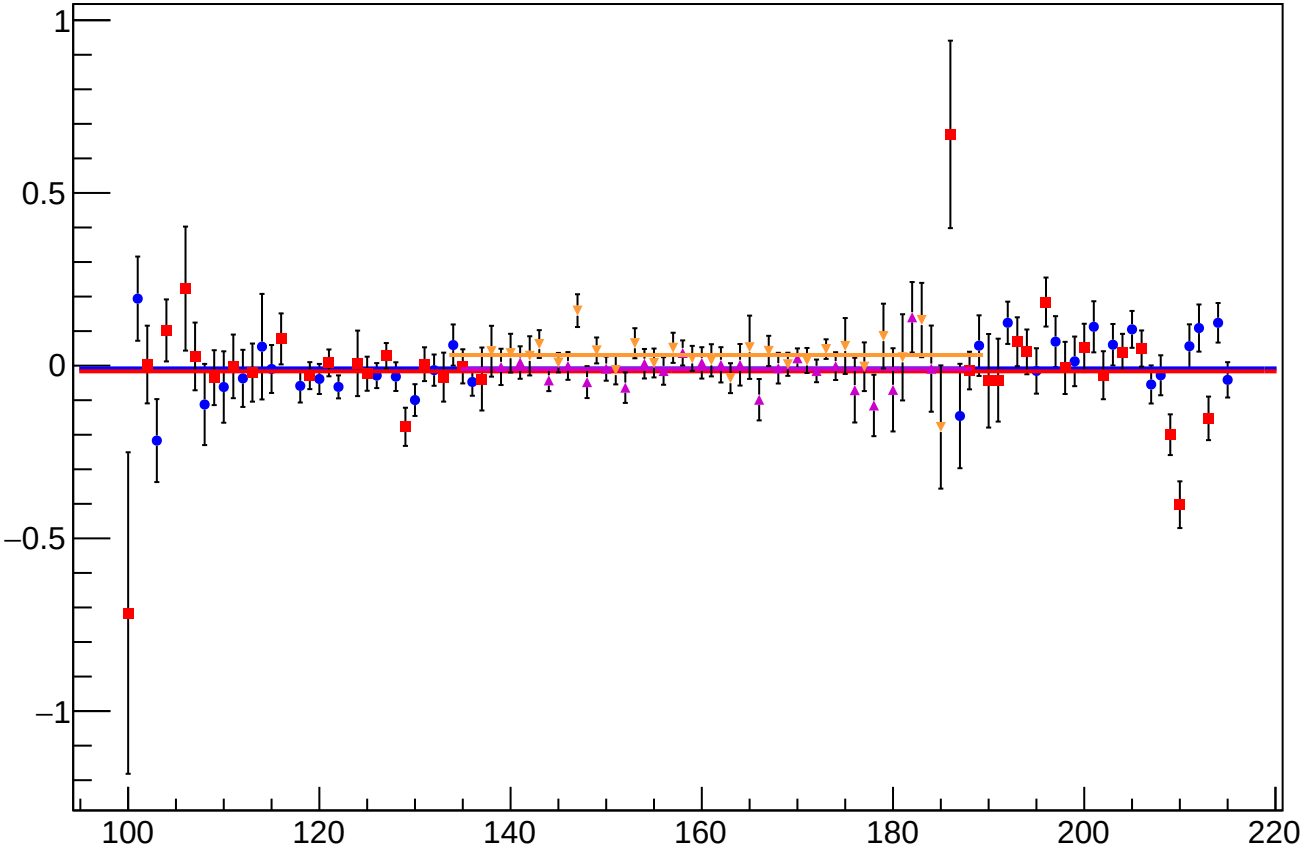
Right: 0.000+/-0.000 χ^2/NDF: 10366173.2/64

In: 0.000+/-0.000 χ^2/NDF:10548661.9/53

Out: 0.000+/-0.000 χ^2/NDF:11560484.2/58

All: 0.000+/-0.000 χ^2/NDF: 22149297.0/112

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.010 χ^2/NDF: 44.4/30

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.016+/-0.011 χ^2/NDF: 85.8/33

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

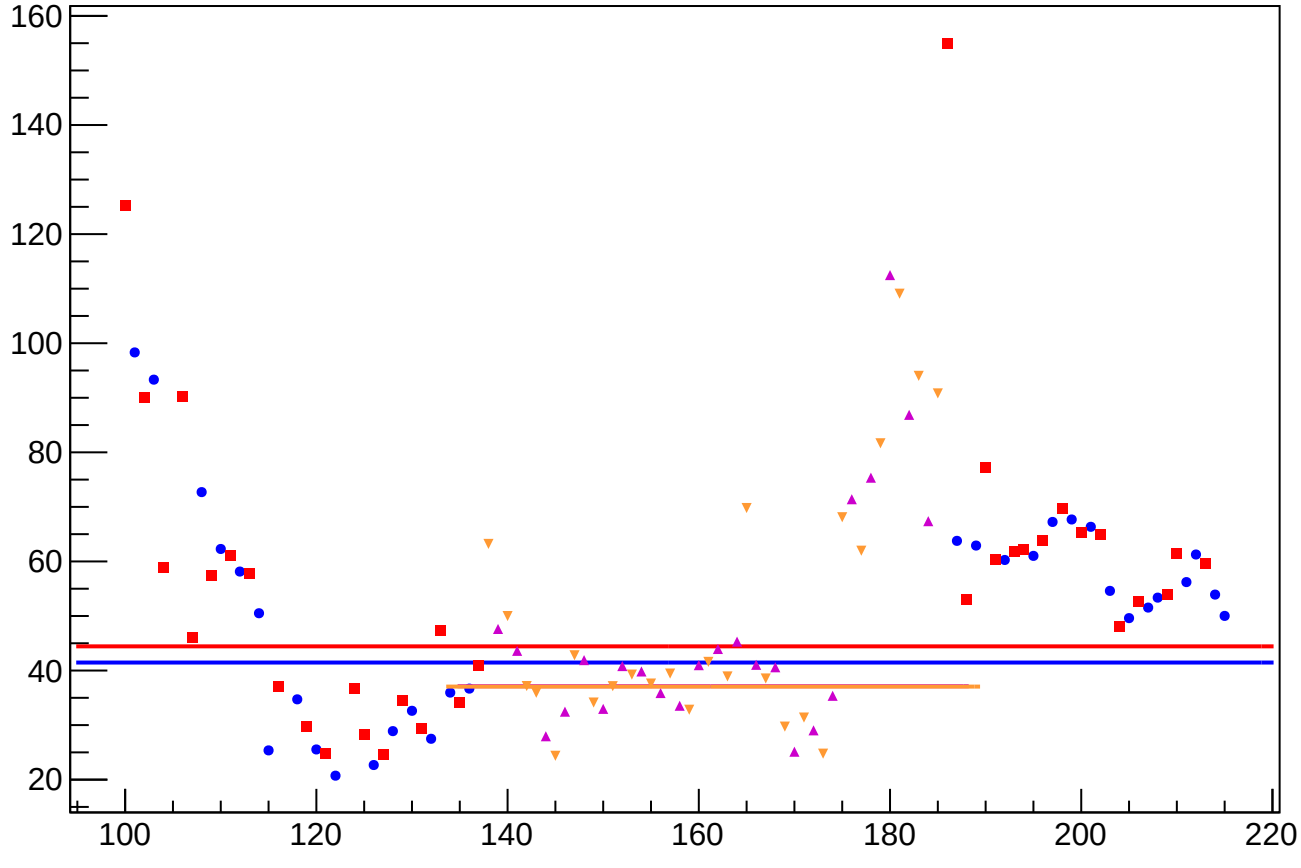
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.012+/-0.008 χ^2/NDF: 130.6/64

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.012+/-0.007 χ^2/NDF:114.6/58

All: 0.001+/-0.005 χ^2/NDF: 176.6/112



Right In: 41.467+/-0.007 χ^2/NDF: 5328505.3/30

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 44.434+/-0.008 χ^2/NDF: 4586466.5/33

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

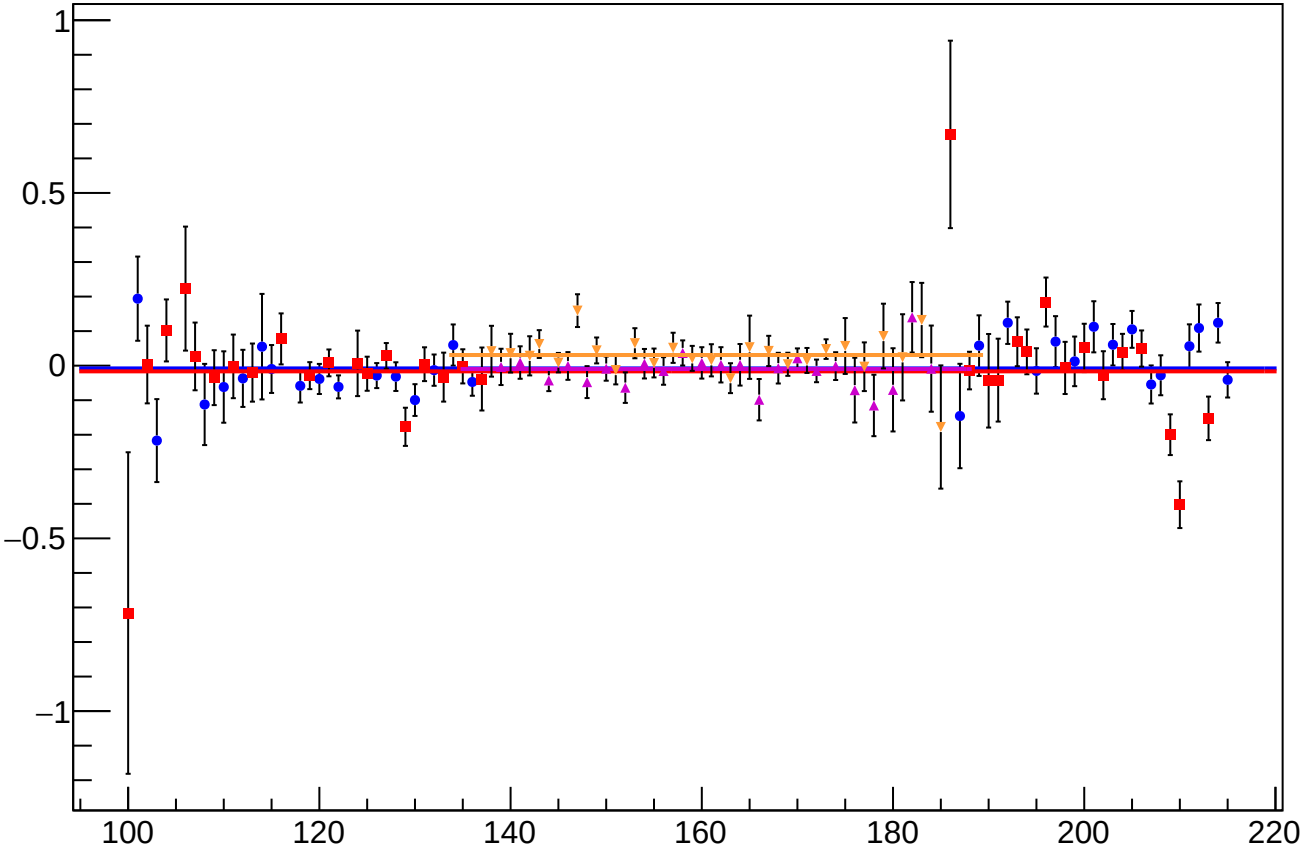
Right: 42.845+/-0.005 χ^2/NDF: 9991945.5/64

In: 39.092+/-0.005 χ^2/NDF:8535380.5/53

Out: 40.043+/-0.005 χ^2/NDF:9168990.1/58

All: 39.560+/-0.003 χ^2/NDF: 17722872.6/112

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.010 χ^2/NDF: 44.4/30

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.016+/-0.011 χ^2/NDF: 85.8/33

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

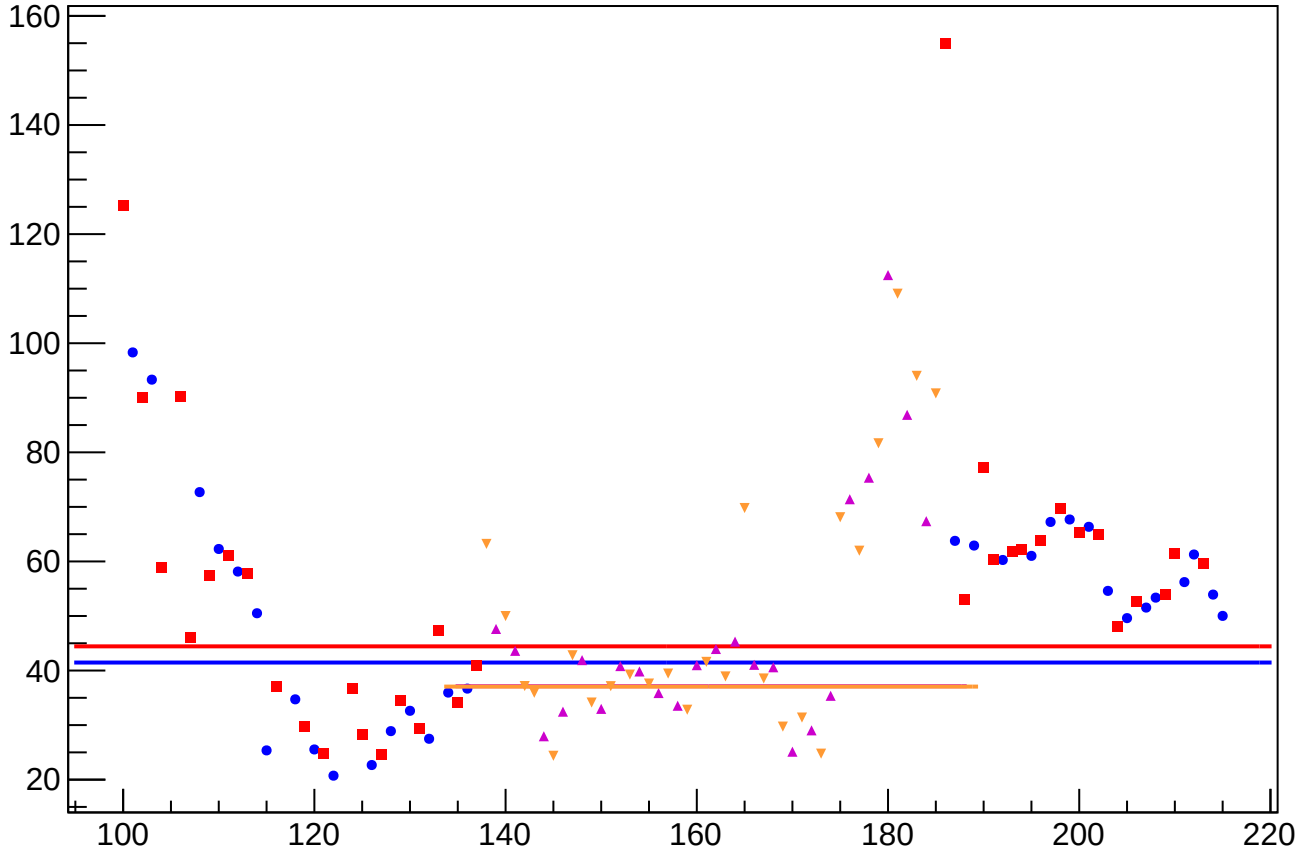
Right: -0.012+/-0.008 χ^2/NDF: 130.6/64

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.012+/-0.007 χ^2/NDF:114.6/58

All: 0.001+/-0.005 χ^2/NDF: 176.6/112

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.467+/-0.007 χ^2/NDF: 5328505.3/30

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 44.434+/-0.008 χ^2/NDF: 4586466.5/33

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

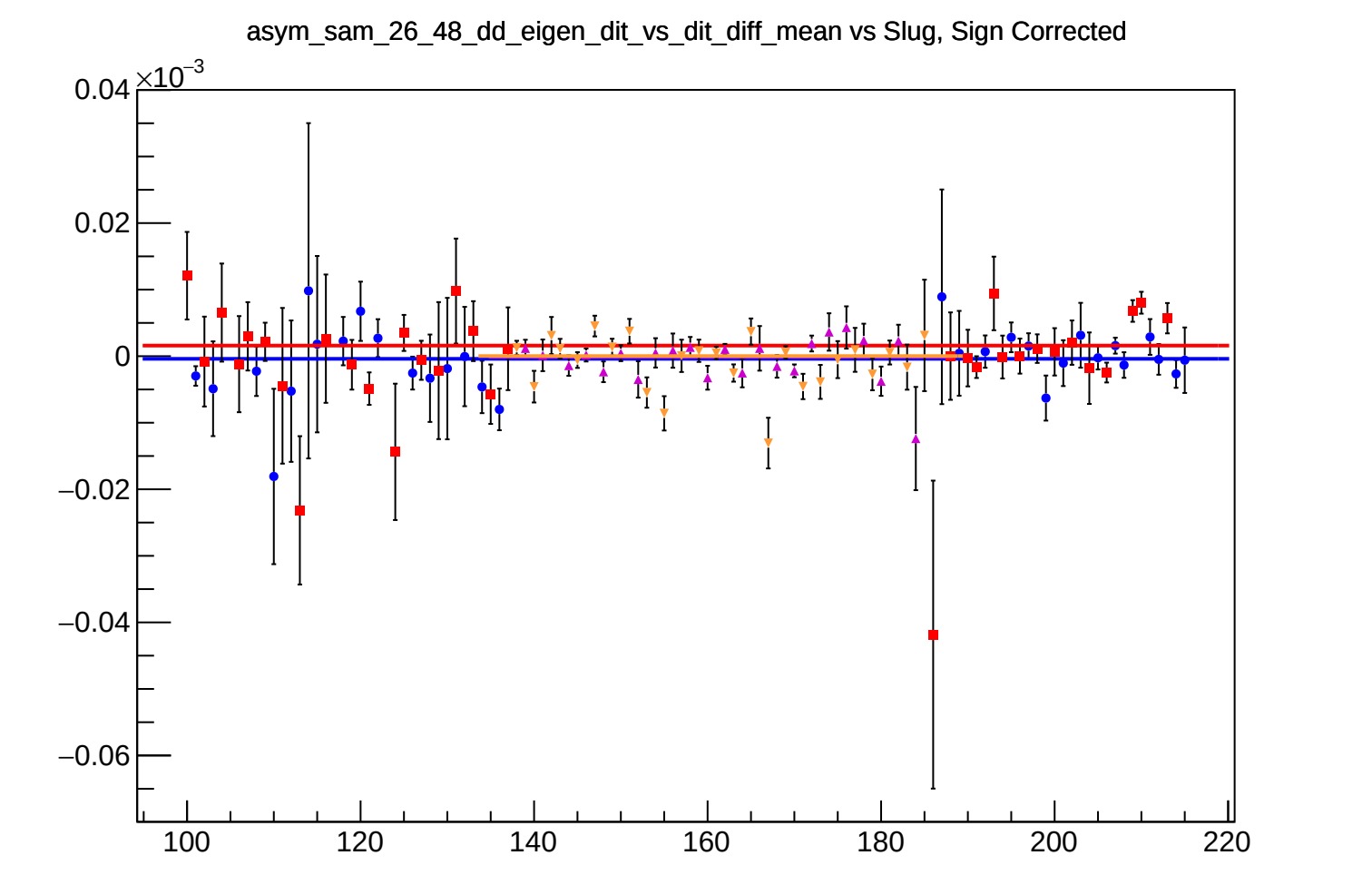
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 42.845+/-0.005 χ^2/NDF: 9991945.5/64

In: 39.092+/-0.005 χ^2/NDF:8535380.5/53

Out: 40.043+/-0.005 χ^2/NDF:9168990.1/58

All: 39.560+/-0.003 χ^2/NDF: 17722872.6/112



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 71.0/33

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

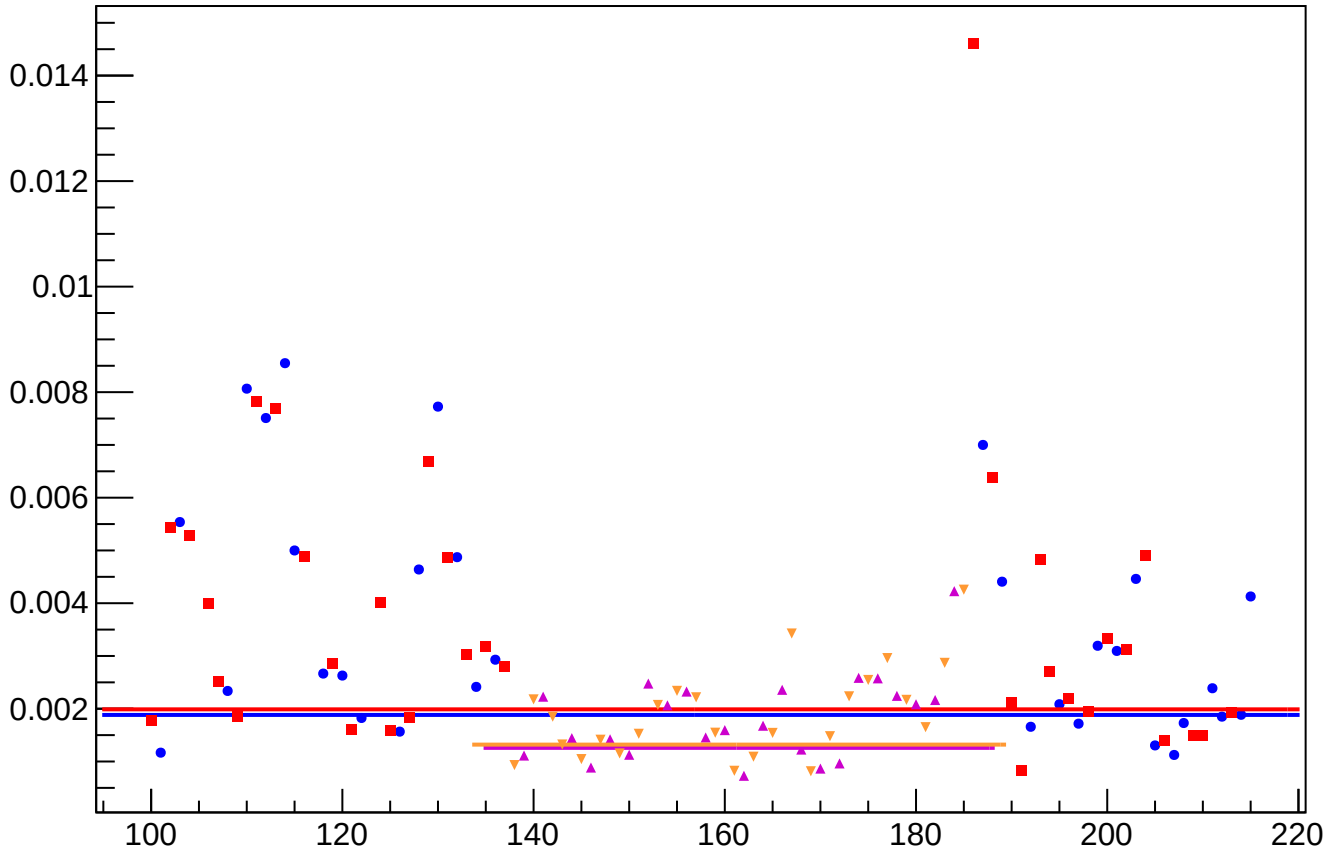
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: 0.000+/-0.000 χ^2/NDF: 109.4/64

In: -0.000+/-0.000 χ^2/NDF:63.6/53

Out: 0.000+/-0.000 χ^2/NDF:144.8/58

All: 0.000+/-0.000 χ^2/NDF: 211.0/112



Right In: 0.002+/-0.000 χ^2/NDF: 7196016.6/30

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8502465.1/33

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

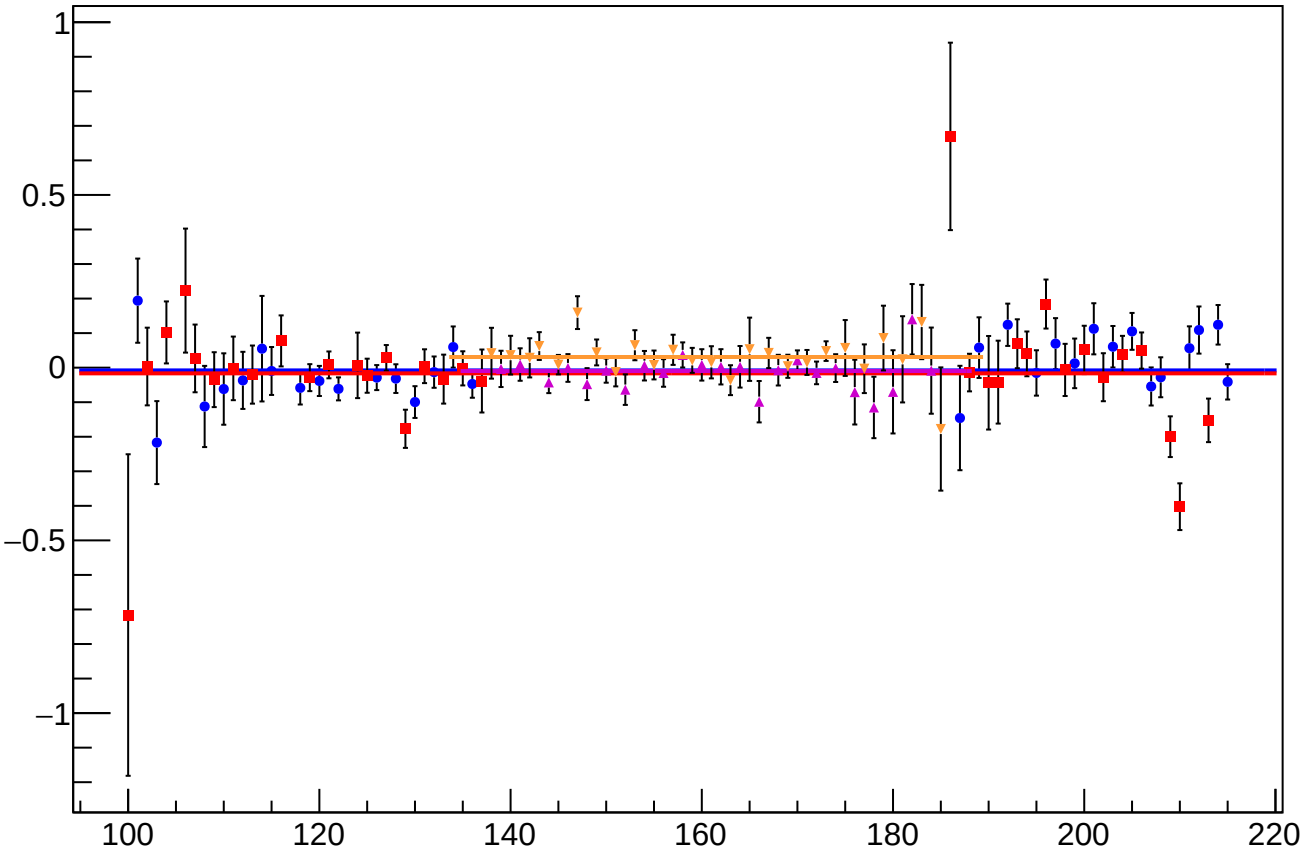
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 15739873.4/64

In: 0.001+/-0.000 χ^2/NDF:14735763.3/53

Out: 0.002+/-0.000 χ^2/NDF:16376894.3/58

All: 0.001+/-0.000 χ^2/NDF: 31156853.4/112



Right In: -0.008+/-0.010 χ^2/NDF: 44.4/30

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.016+/-0.011 χ^2/NDF: 85.8/33

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

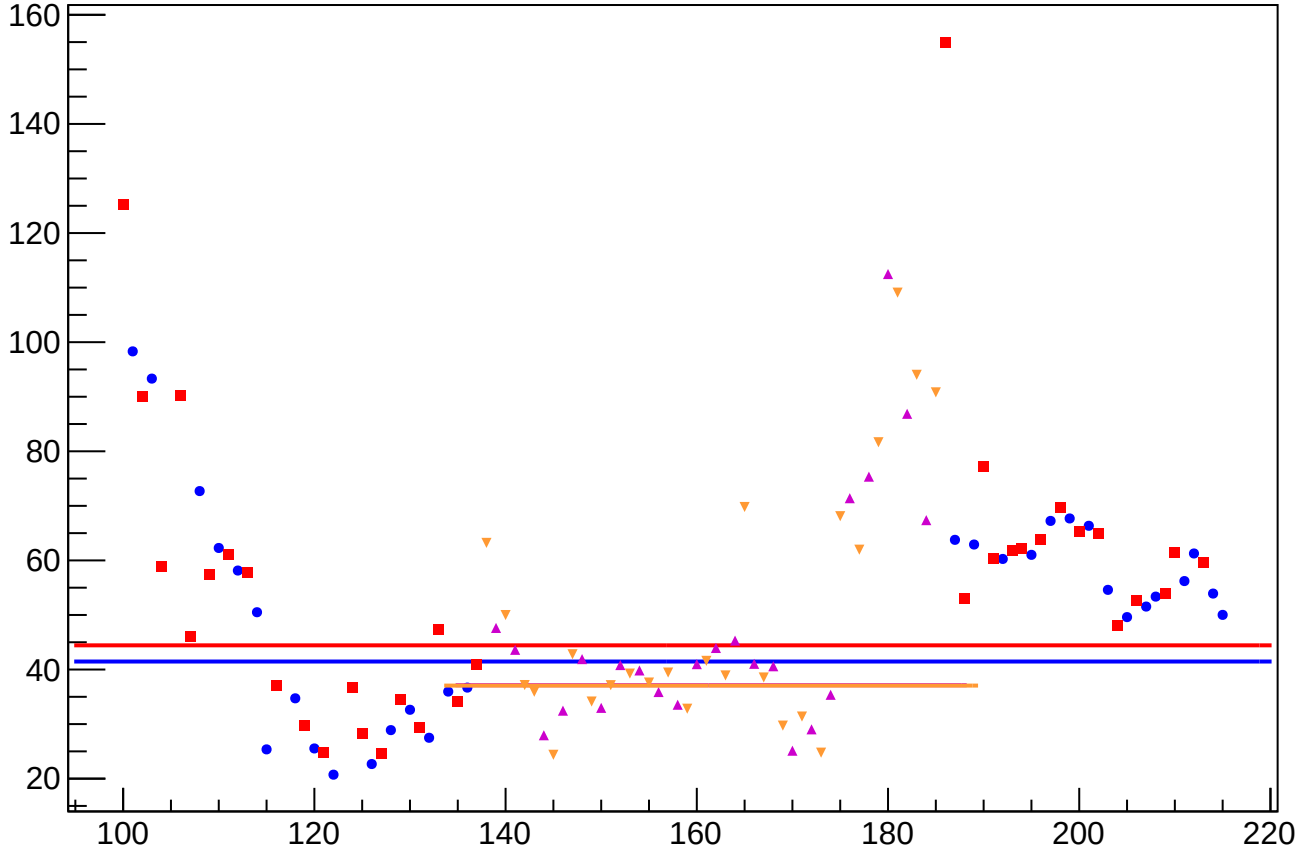
Right: -0.012+/-0.008 χ^2/NDF: 130.6/64

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.012+/-0.007 χ^2/NDF:114.5/58

All: 0.001+/-0.005 χ^2/NDF: 176.6/112

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.467+/-0.007 χ^2/NDF: 5328372.3/30

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 44.435+/-0.008 χ^2/NDF: 4586248.4/33

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

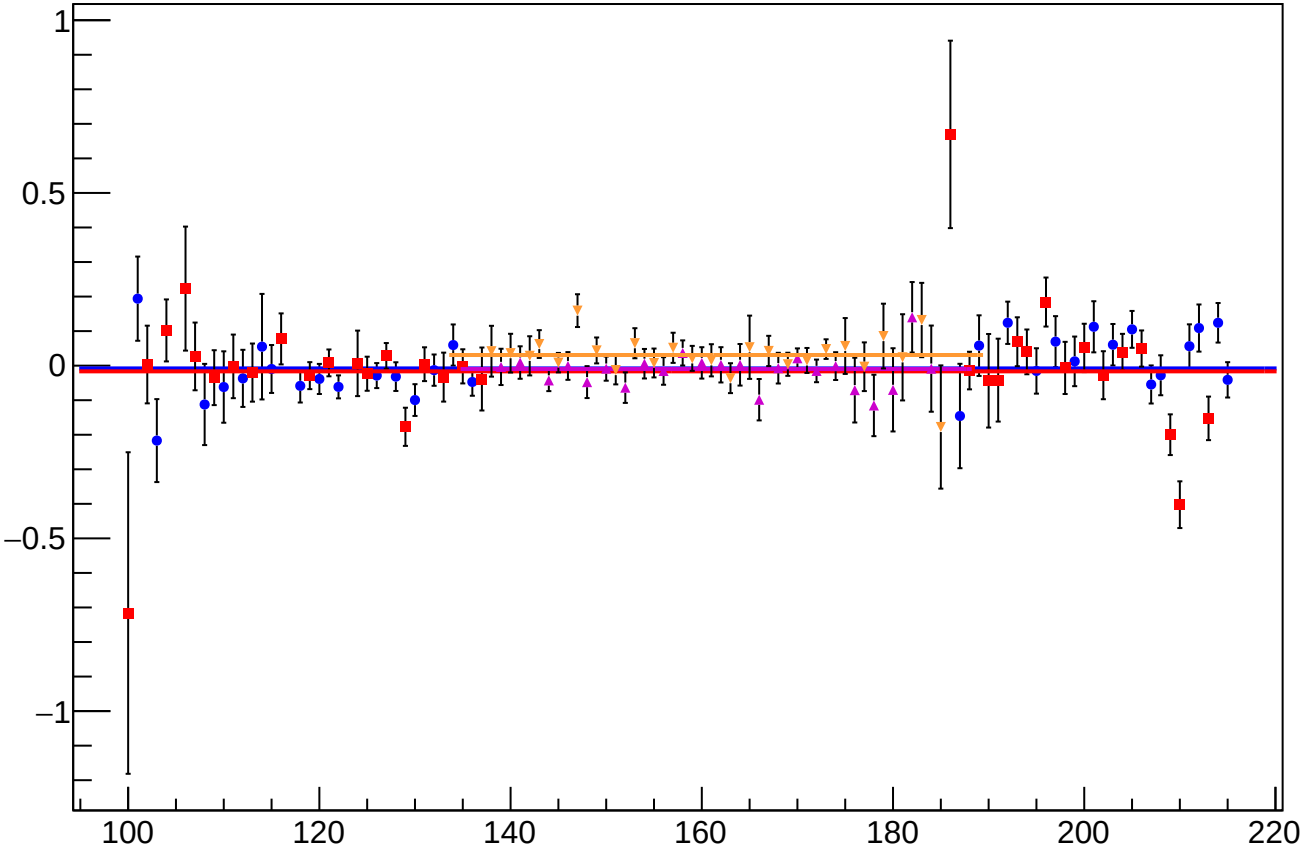
Right: 42.845+/-0.005 χ^2/NDF: 9991598.6/64

In: 39.092+/-0.005 χ^2/NDF:8535250.2/53

Out: 40.043+/-0.005 χ^2/NDF:9168839.7/58

All: 39.560+/-0.003 χ^2/NDF: 17722592.7/112

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.010 χ^2/NDF: 44.4/30

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.016+/-0.011 χ^2/NDF: 85.8/33

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

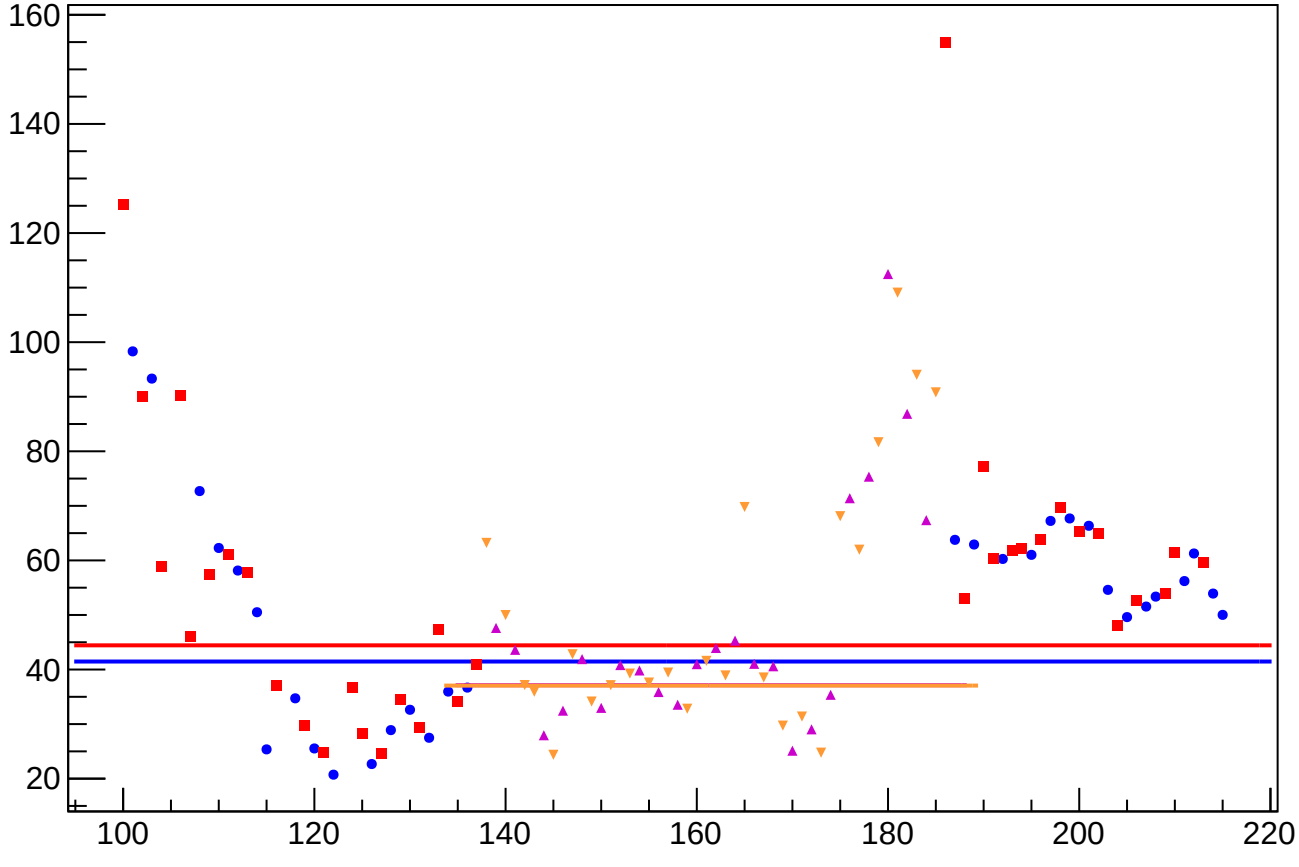
Right: -0.012+/-0.008 χ^2/NDF: 130.6/64

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.012+/-0.007 χ^2/NDF:114.5/58

All: 0.001+/-0.005 χ^2/NDF: 176.6/112

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.467+/-0.007 χ^2/NDF: 5328372.3/30

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 44.435+/-0.008 χ^2/NDF: 4586248.4/33

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

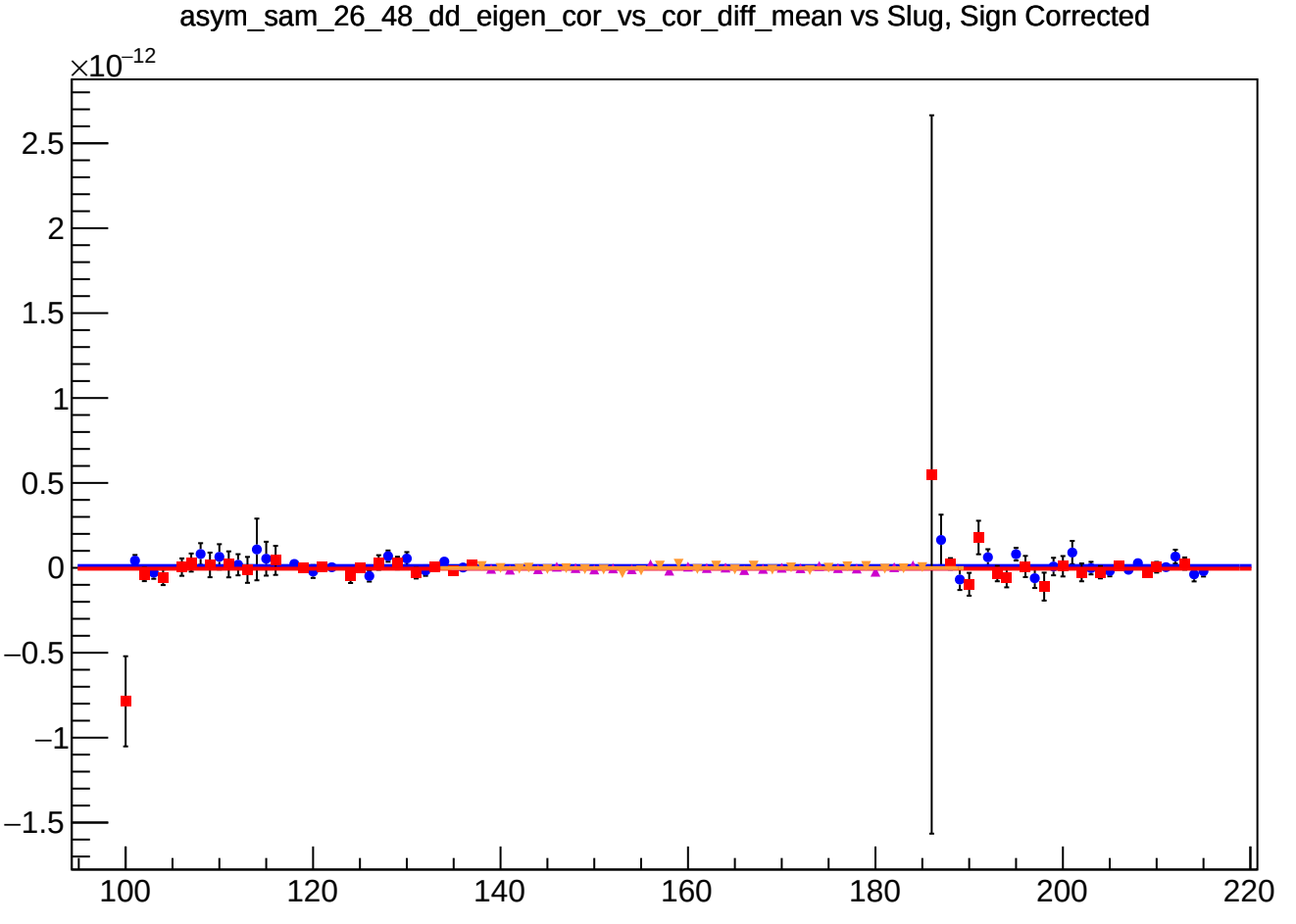
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 42.845+/-0.005 χ^2/NDF: 9991598.6/64

In: 39.092+/-0.005 χ^2/NDF:8535250.2/53

Out: 40.043+/-0.005 χ^2/NDF:9168839.7/58

All: 39.560+/-0.003 χ^2/NDF: 17722592.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/33

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

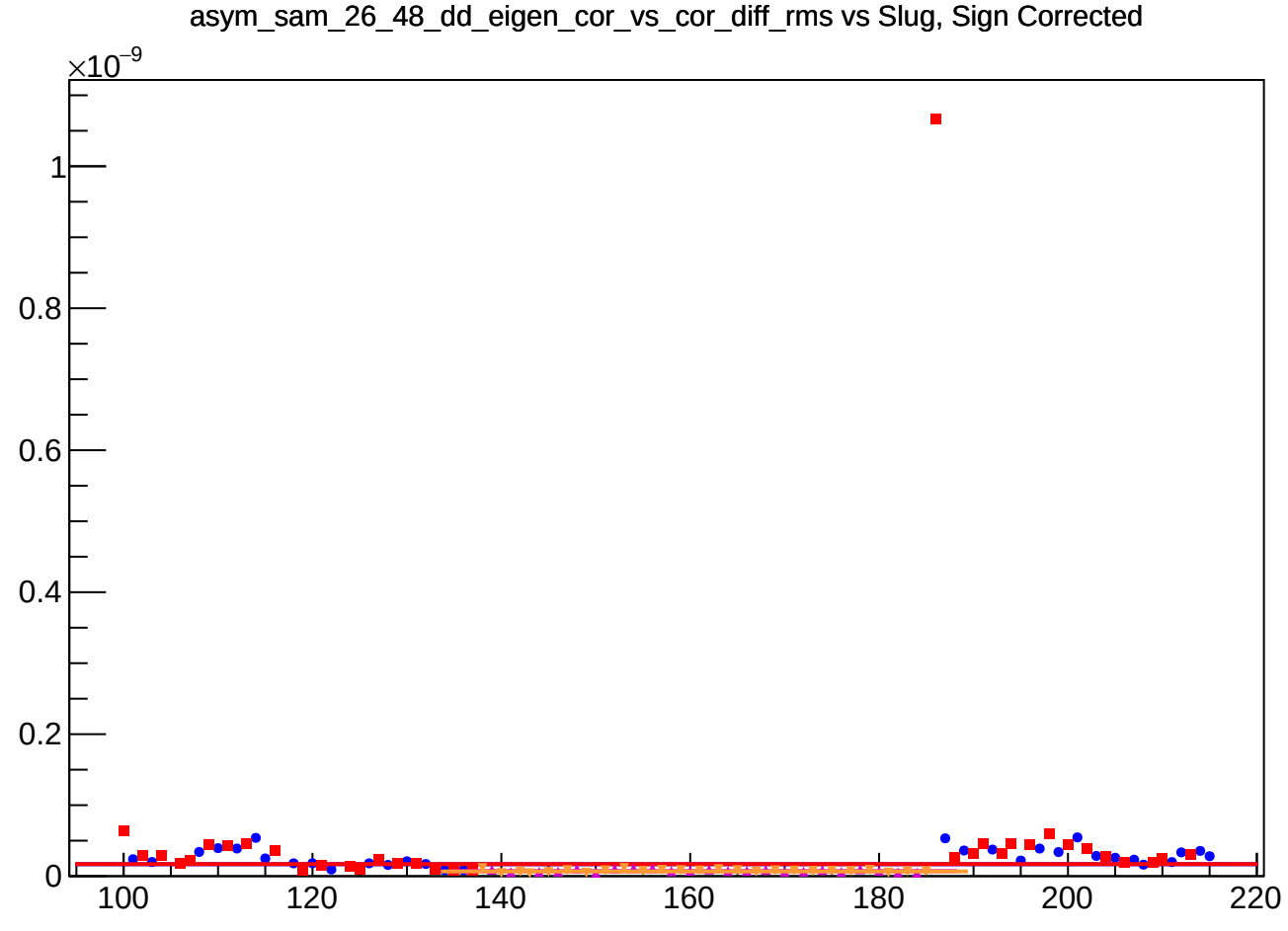
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 67.3/64

In: -0.000+/-0.000 χ^2/NDF:60.2/53

Out: -0.000+/-0.000 χ^2/NDF:55.8/58

All: -0.000+/-0.000 χ^2/NDF: 116.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 6390431.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7663163.0/33

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

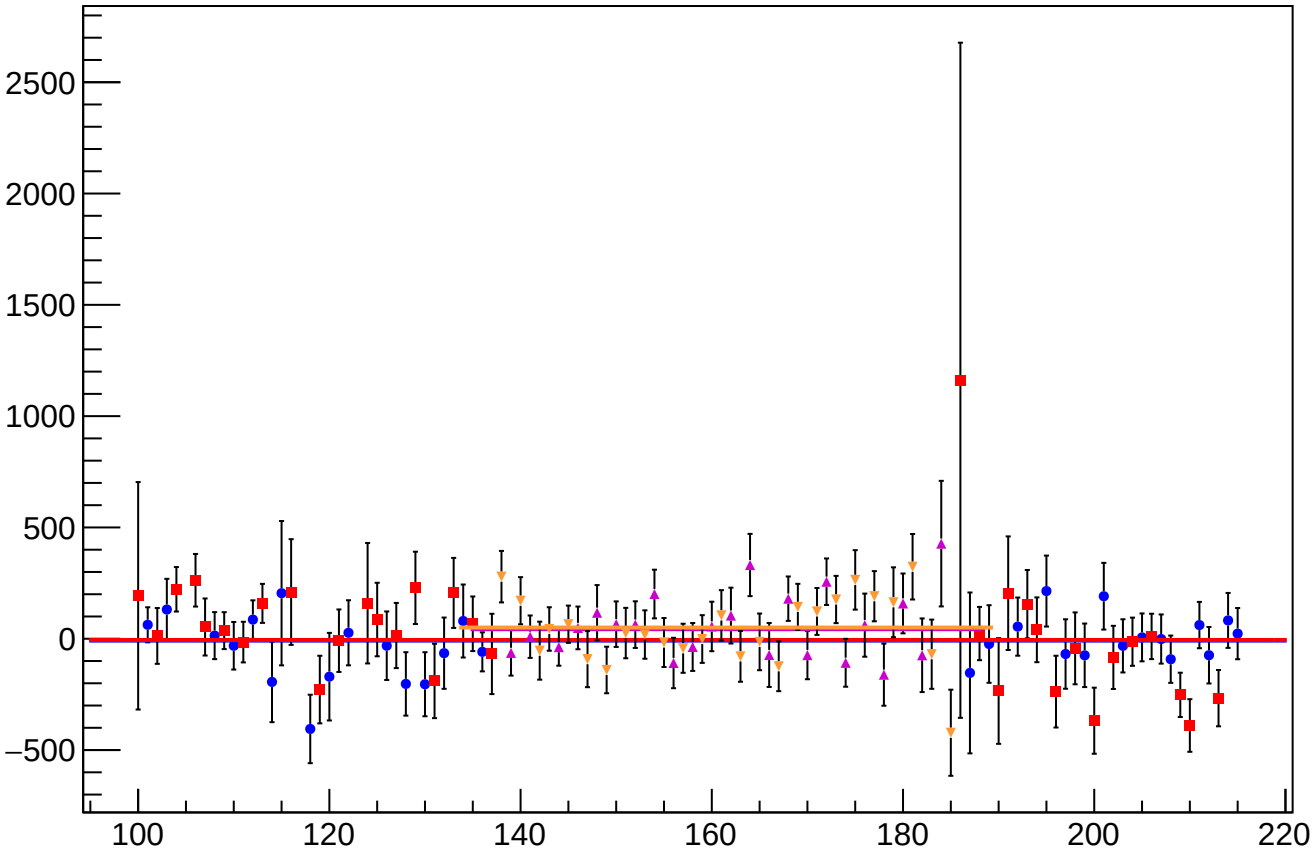
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14054460.4/64

In: 0.000+/-0.000 χ^2/NDF:13612827.6/53

Out: 0.000+/-0.000 χ^2/NDF:15681140.9/58

All: 0.000+/-0.000 χ^2/NDF: 29394621.7/112



Right In: -8.190+/-22.814 χ^2/NDF: 23.0/30

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -5.379+/-22.956 χ^2/NDF: 56.6/33

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

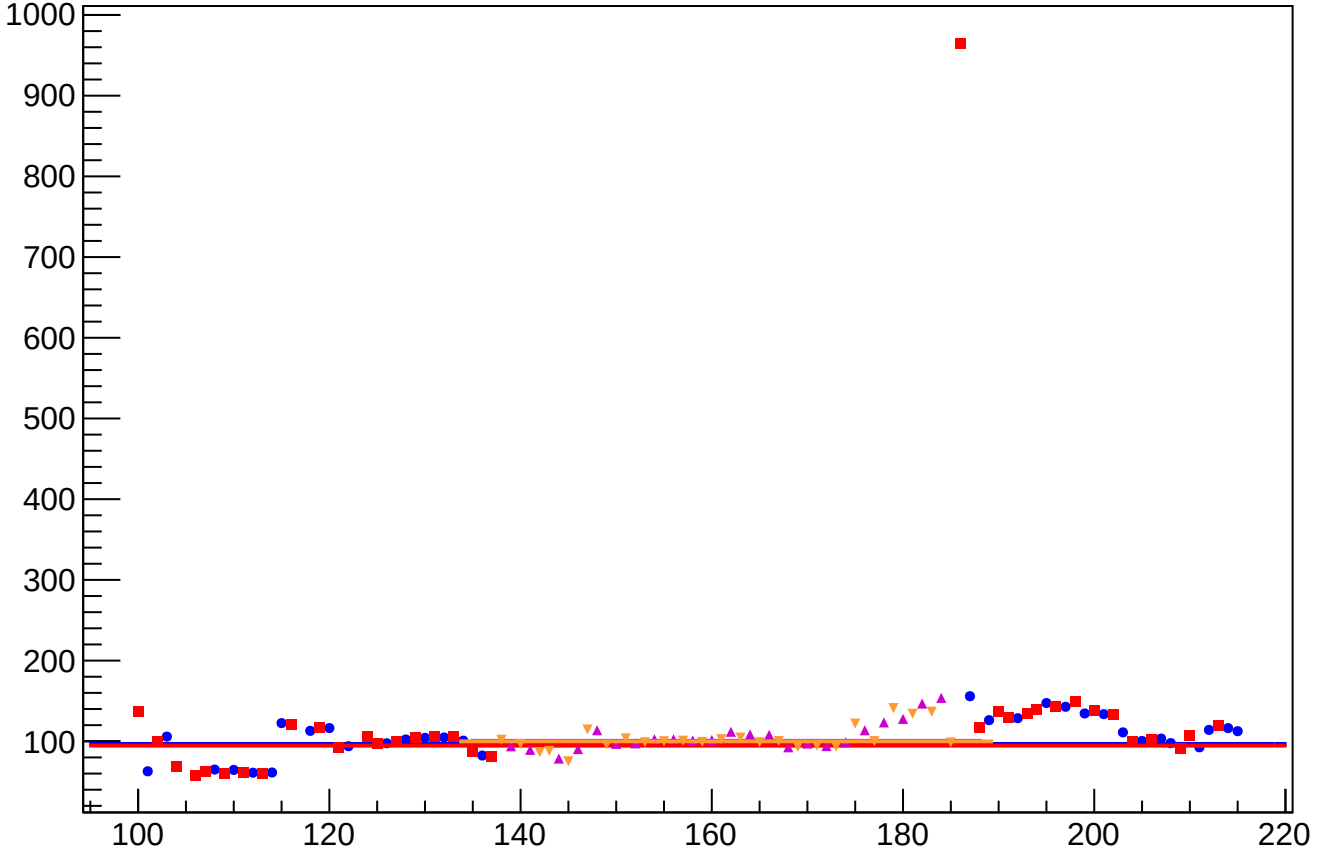
Right: -6.793+/-16.182 χ^2/NDF: 79.6/64

In: 16.380+/-16.456 χ^2/NDF:52.0/53

Out: 22.466+/-16.233 χ^2/NDF:93.0/58

All: 19.465+/-11.556 χ^2/NDF: 145.1/112

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 96.675+/-0.016 χ^2/NDF: 2316713.8/30

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 94.644+/-0.016 χ^2/NDF: 3538042.9/33

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

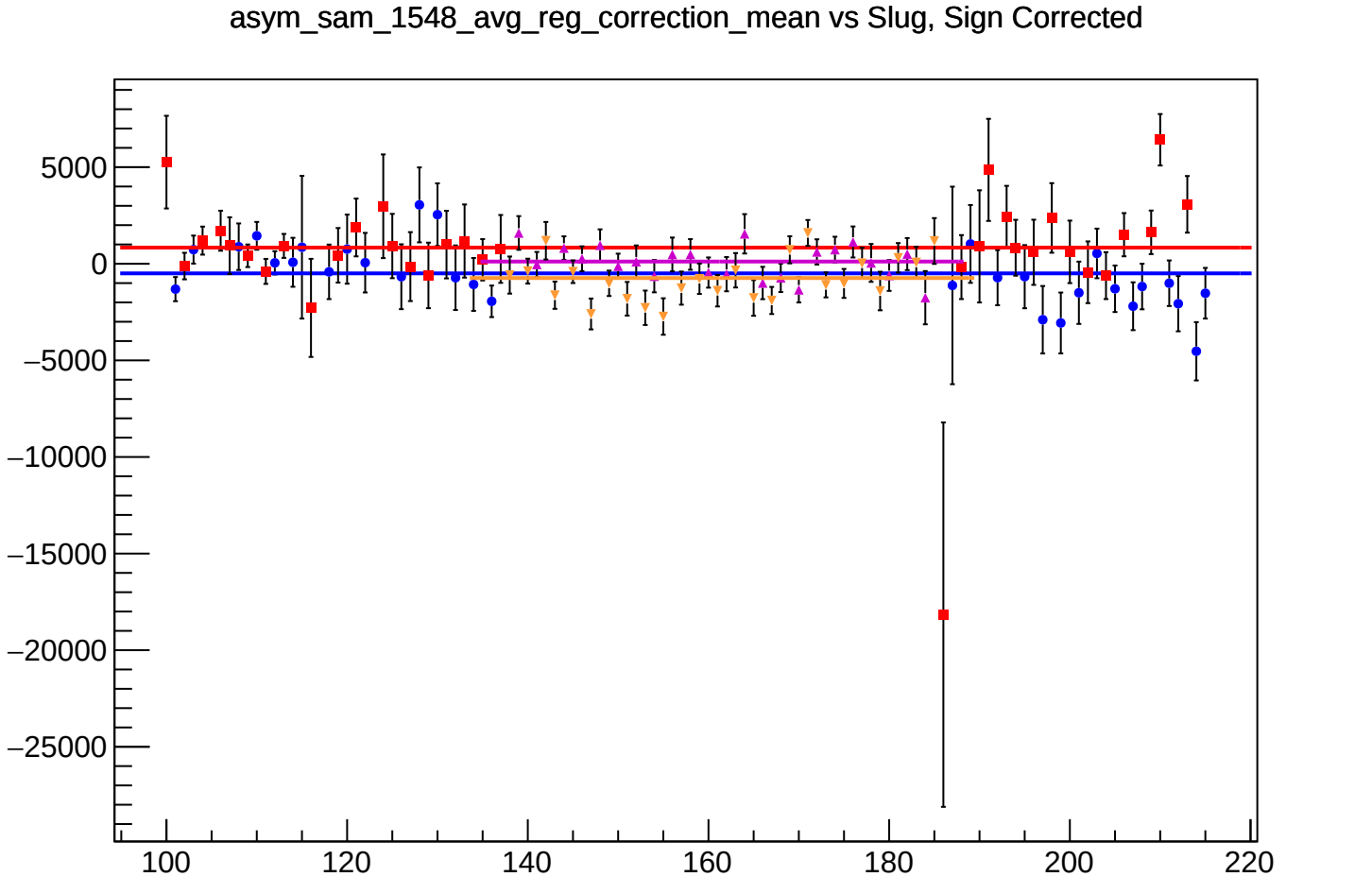
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 95.666+/-0.011 χ^2/NDF: 5862632.9/64

In: 98.509+/-0.012 χ^2/NDF:3000501.2/53

Out: 97.241+/-0.011 χ^2/NDF:4287013.1/58

All: 97.867+/-0.008 χ^2/NDF: 7293530.2/112



Right In: -496.315+/-211.759 χ^2/NDF: 43.2/30

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 837.739+/-204.927 χ^2/NDF: 45.5/33

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

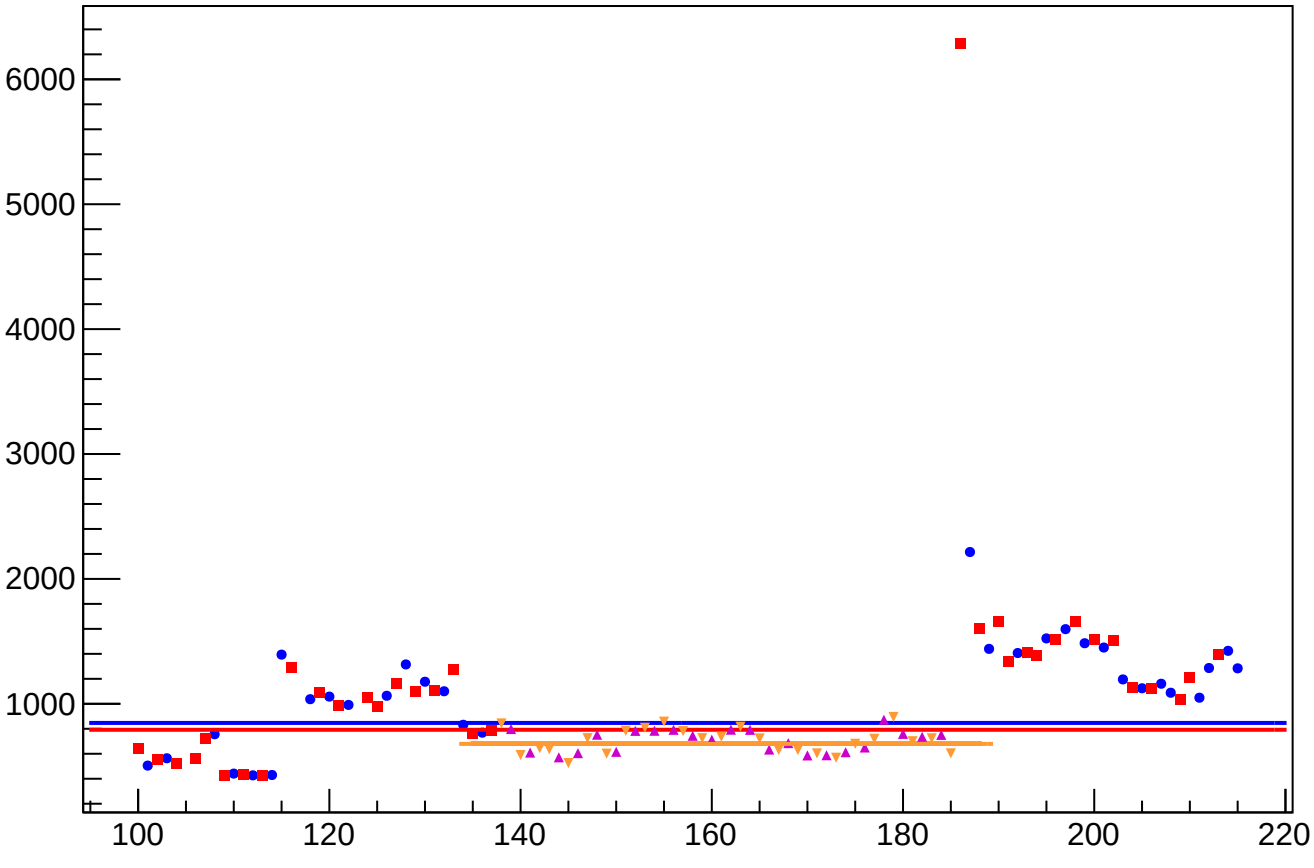
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 192.580+/-147.261 χ^2/NDF: 109.2/64

In: -108.507+/-128.159 χ^2/NDF:72.2/53

Out: -158.653+/-124.283 χ^2/NDF:132.6/58

All: -134.350+/-89.220 χ^2/NDF: 204.8/112



Right In: 846.959+/-0.150 χ^2/NDF: 6326808.4/30

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 792.123+/-0.145 χ^2/NDF: 7904076.7/33

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

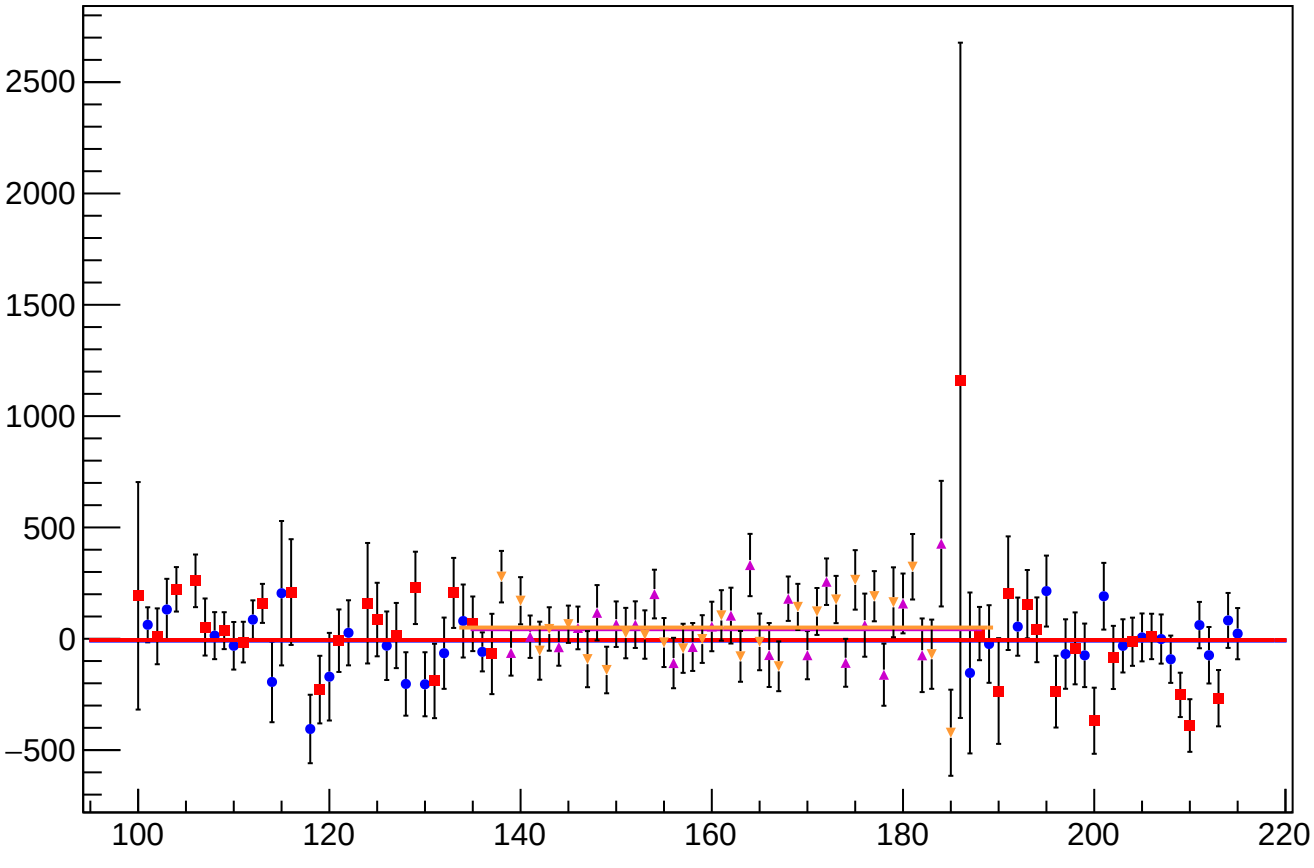
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 818.642+/-0.104 χ^2/NDF: 14300139.9/64

In: 742.353+/-0.091 χ^2/NDF:7670738.5/53

Out: 720.701+/-0.088 χ^2/NDF:9025784.2/58

All: 731.195+/-0.063 χ^2/NDF: 16725943.4/1



Right In: -8.192+/-22.814 χ^2/NDF: 23.0/30

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -5.536+/-22.957 χ^2/NDF: 56.5/33

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

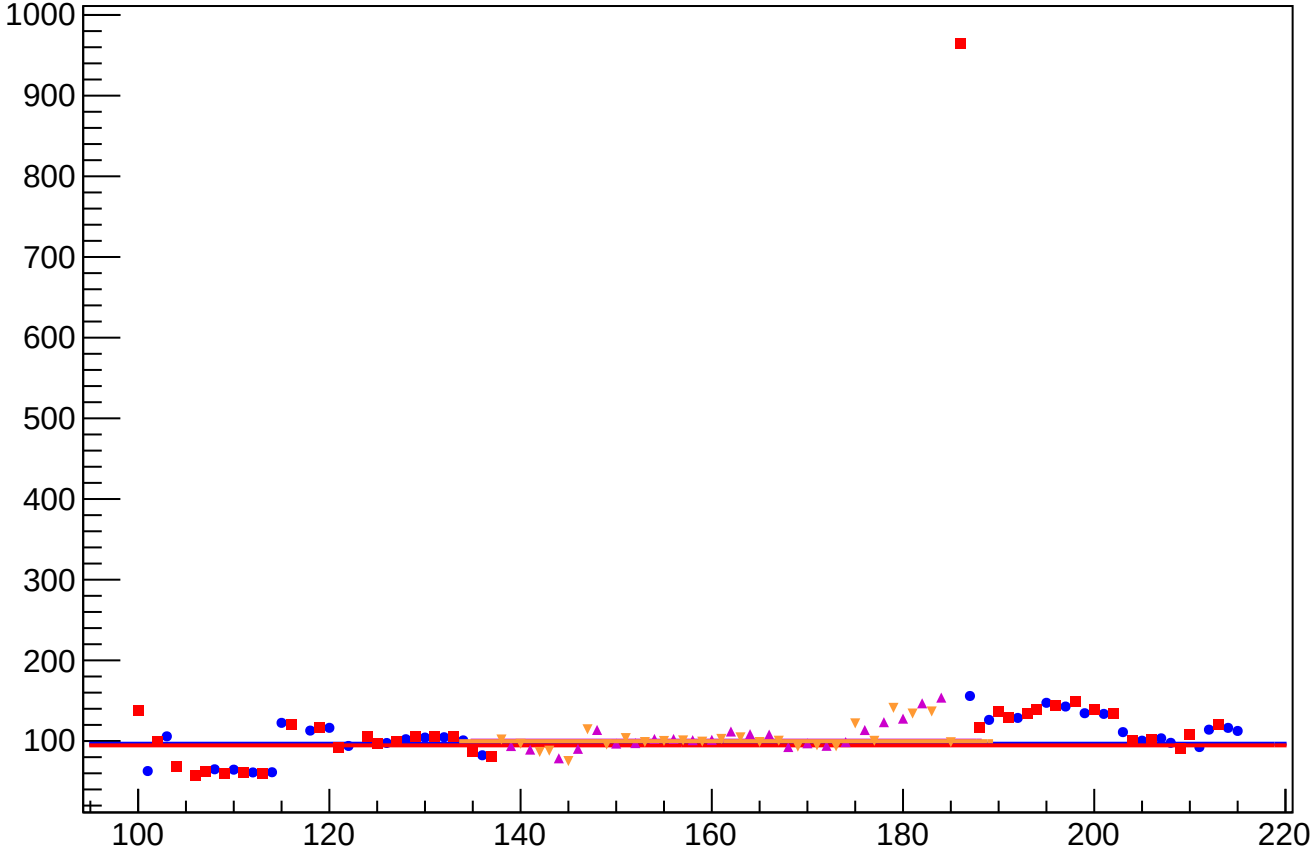
Right: -6.872+/-16.182 χ^2/NDF: 79.5/64

In: 16.379+/-16.456 χ^2/NDF:52.0/53

Out: 22.393+/-16.233 χ^2/NDF:92.9/58

All: 19.427+/-11.556 χ^2/NDF: 145.0/112

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 96.675+/-0.016 χ^2/NDF: 2316714.8/30

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 94.634+/-0.016 χ^2/NDF: 3541468.7/33

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

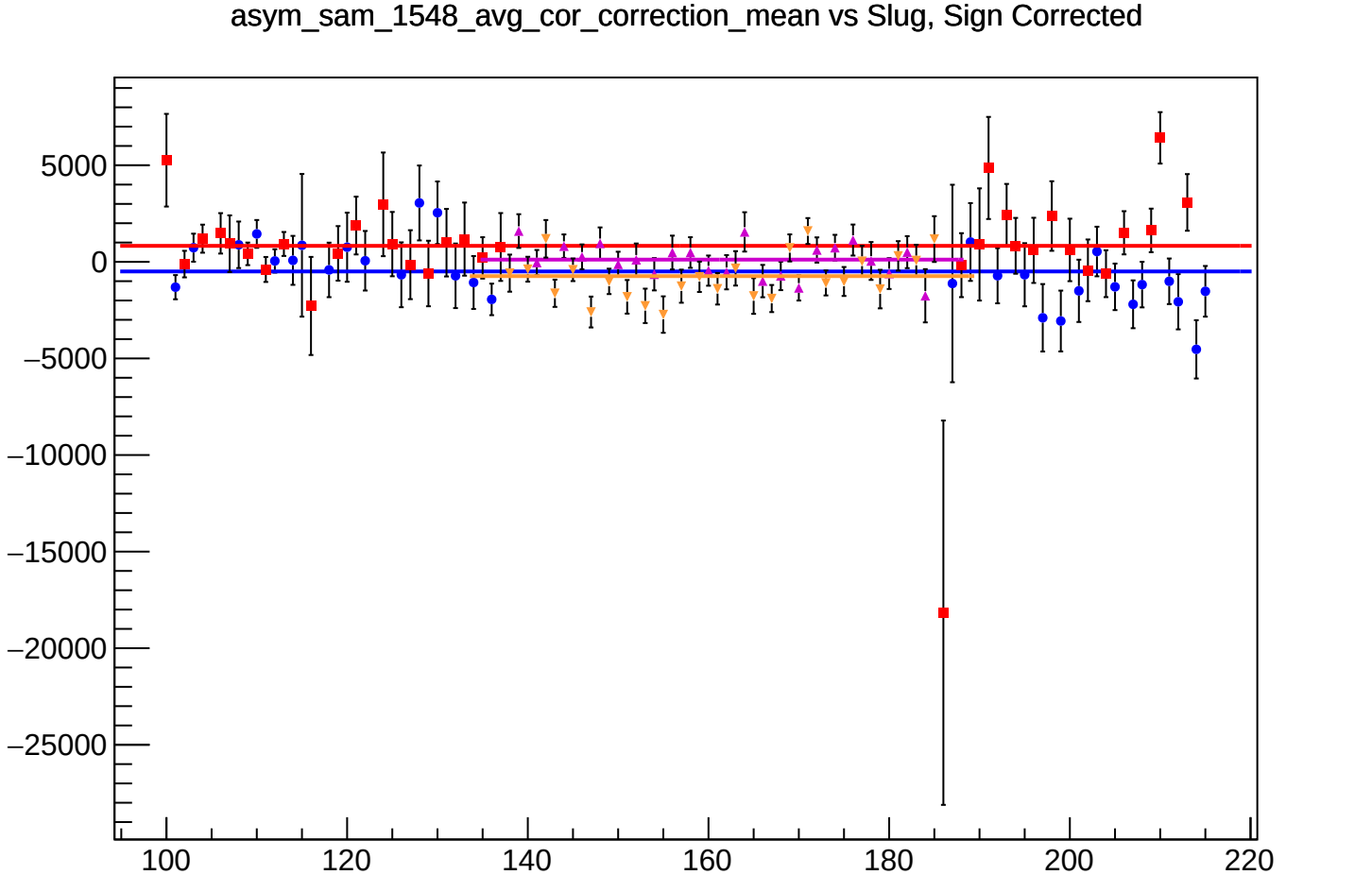
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 95.661+/-0.011 χ^2/NDF: 5866135.6/64

In: 98.509+/-0.012 χ^2/NDF:3000502.1/53

Out: 97.237+/-0.011 χ^2/NDF:4290630.1/58

All: 97.864+/-0.008 χ^2/NDF: 7297193.7/112



Right In: -496.340+/-211.761 χ^2/NDF: 43.2/30

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 828.438+/-205.021 χ^2/NDF: 45.1/33

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

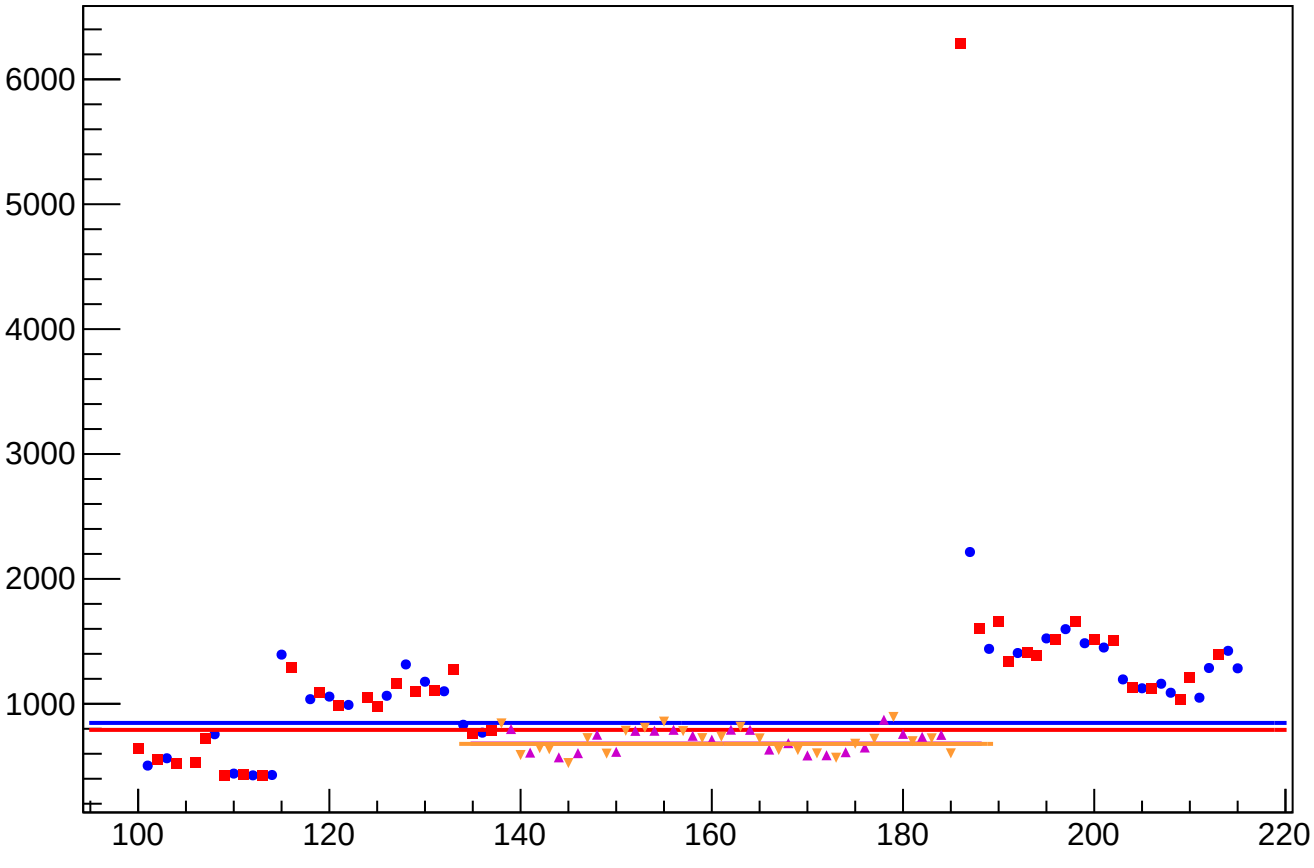
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 187.468+/-147.297 χ^2/NDF: 108.5/64

In: -108.513+/-128.159 χ^2/NDF:72.2/53

Out: -162.400+/-124.304 χ^2/NDF:131.7/58

All: -136.279+/-89.228 χ^2/NDF: 204.0/112



Right In: 846.968+/-0.150 χ^2/NDF: 6326626.5/30

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 791.058+/-0.145 χ^2/NDF: 7931812.0/33

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

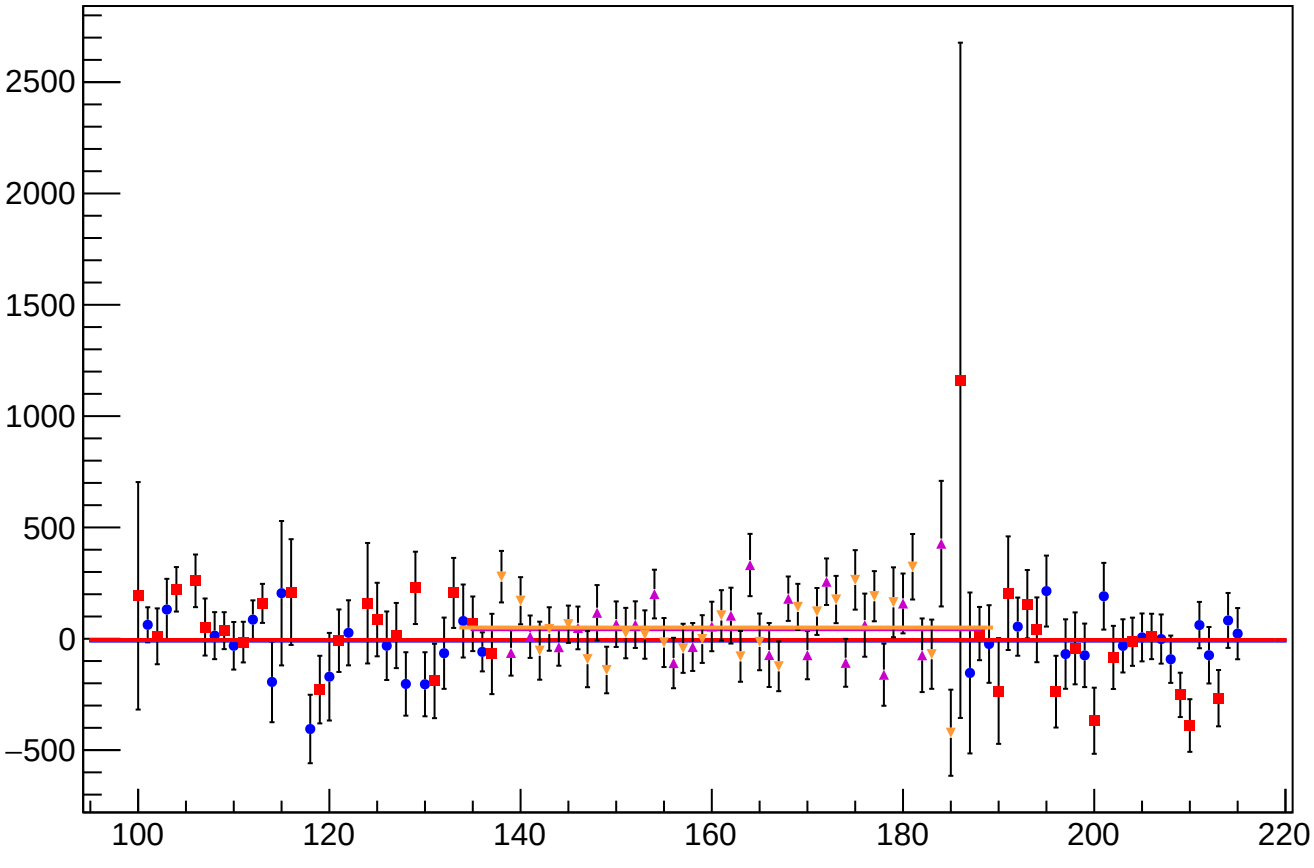
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 818.109+/-0.104 χ^2/NDF: 14330401.8/64

In: 742.356+/-0.091 χ^2/NDF:7670638.3/53

Out: 720.285+/-0.088 χ^2/NDF:9046088.6/58

All: 730.984+/-0.063 χ^2/NDF: 16747290.7/11



Right In: -8.192+/-22.814 χ^2/NDF: 23.0/30

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -5.536+/-22.957 χ^2/NDF: 56.5/33

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

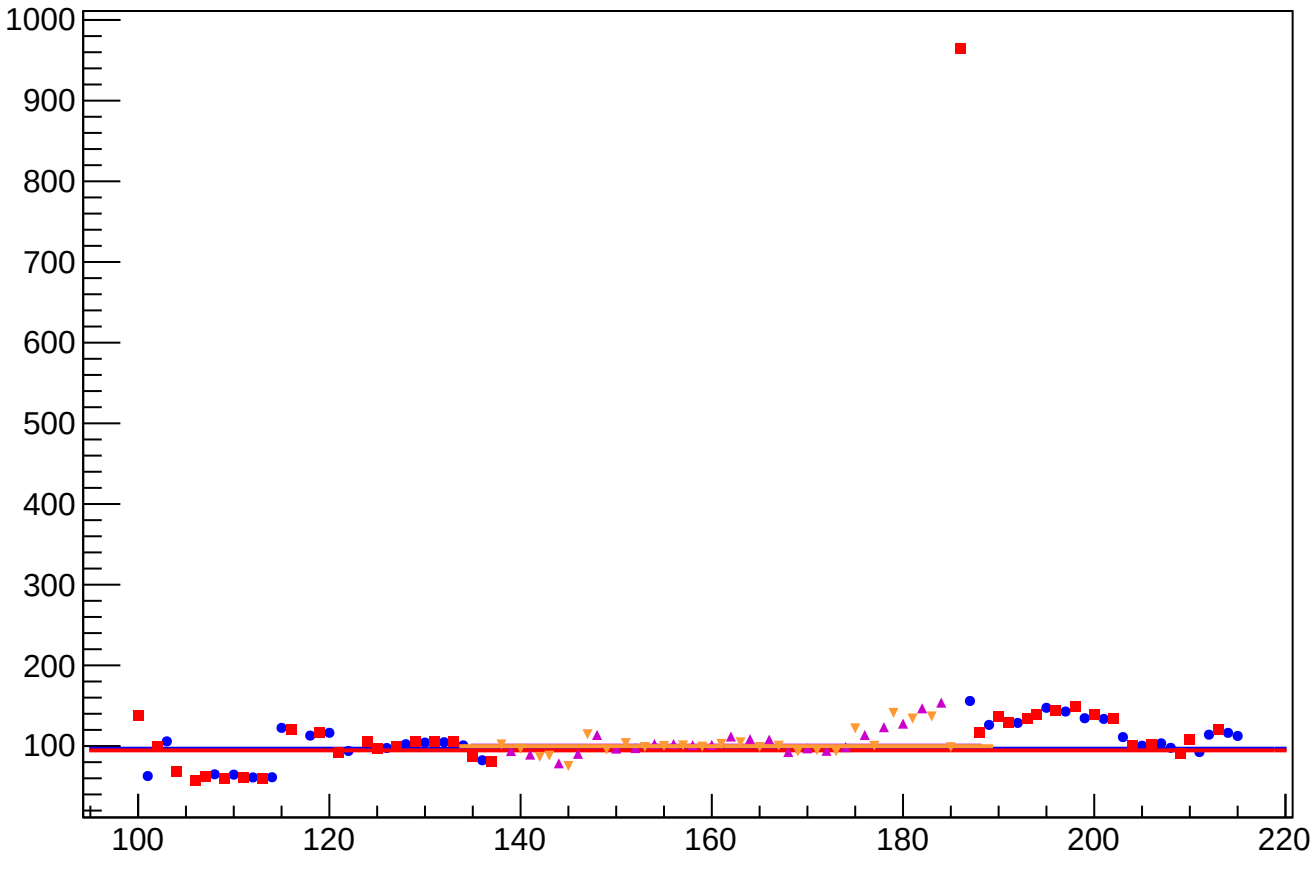
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: -6.872+/-16.182 χ^2/NDF: 79.5/64

In: 16.379+/-16.456 χ^2/NDF:52.0/53

Out: 22.393+/-16.233 χ^2/NDF:92.9/58

All: 19.427+/-11.556 χ^2/NDF: 145.0/112



Right In: 96.675+/-0.016 χ^2/NDF: 2316714.8/30

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 94.634+/-0.016 χ^2/NDF: 3541468.7/33

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

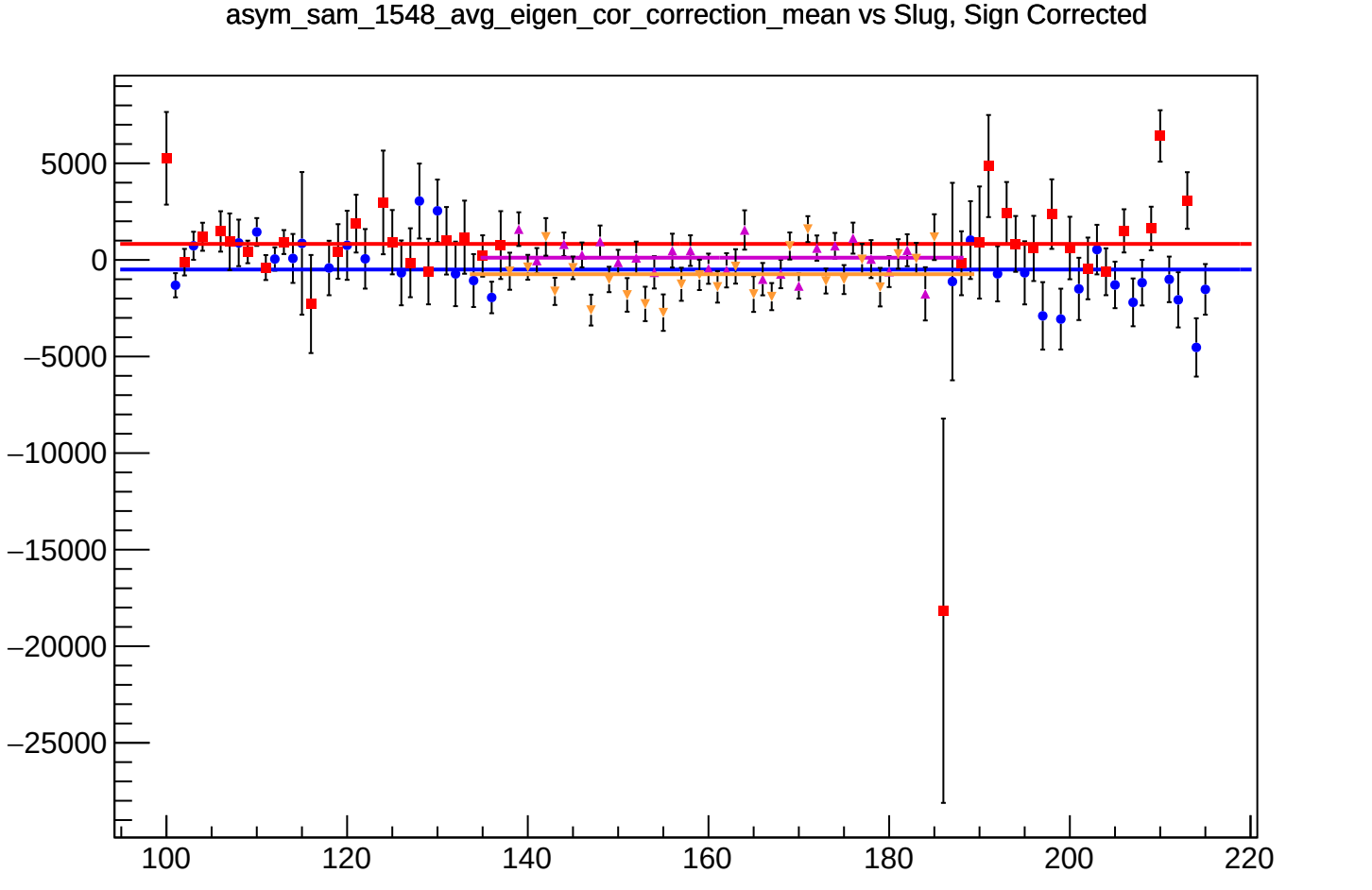
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 95.661+/-0.011 χ^2/NDF: 5866135.6/64

In: 98.509+/-0.012 χ^2/NDF:3000502.1/53

Out: 97.237+/-0.011 χ^2/NDF:4290630.1/58

All: 97.864+/-0.008 χ^2/NDF: 7297193.7/112



Right In: -496.340+/-211.761 χ^2/NDF: 43.2/30

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 828.438+/-205.021 χ^2/NDF: 45.1/33

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

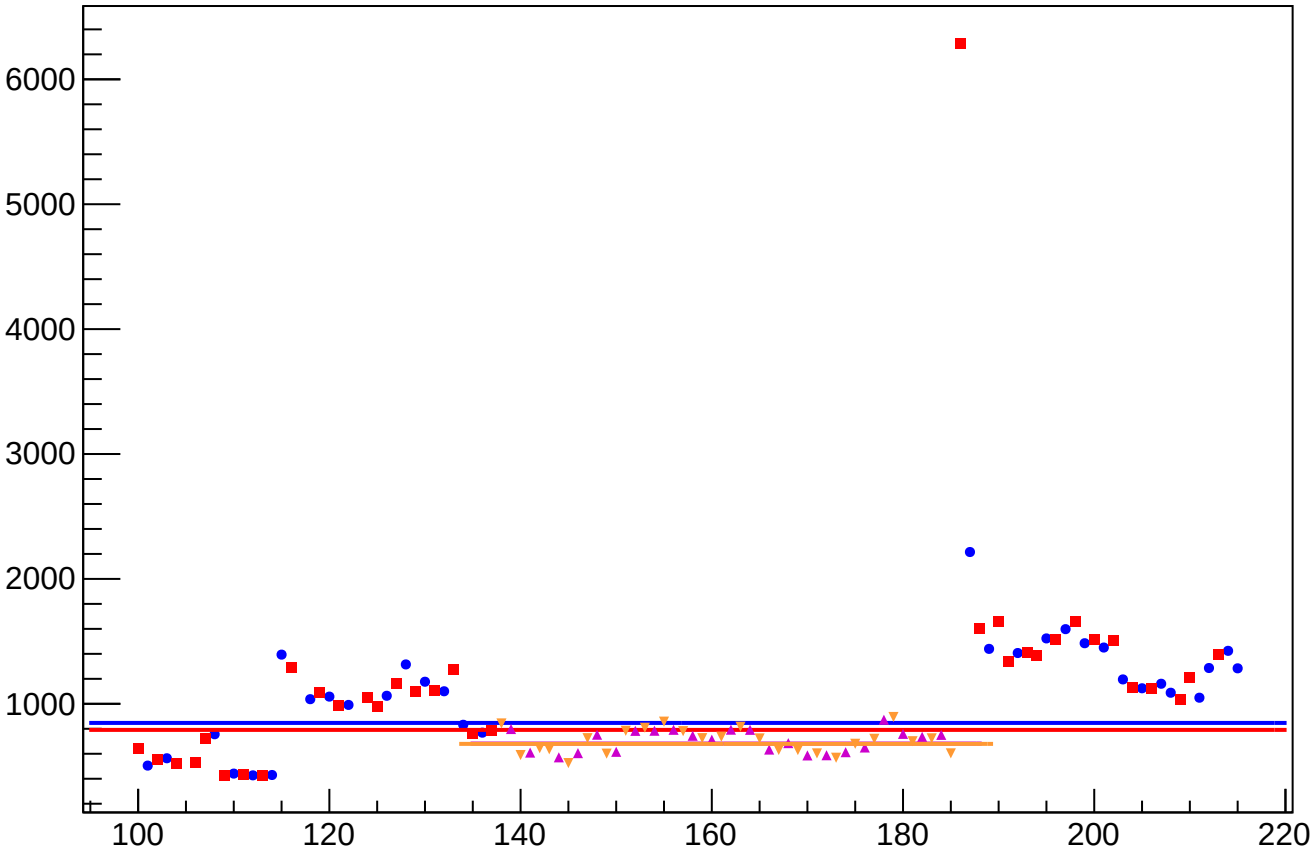
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 187.468+/-147.297 χ^2/NDF: 108.5/64

In: -108.513+/-128.159 χ^2/NDF:72.2/53

Out: -162.400+/-124.304 χ^2/NDF:131.7/58

All: -136.279+/-89.228 χ^2/NDF: 204.0/112



Right In: 846.968+/-0.150 χ^2/NDF: 6326626.5/30

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 791.058+/-0.145 χ^2/NDF: 7931812.0/33

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

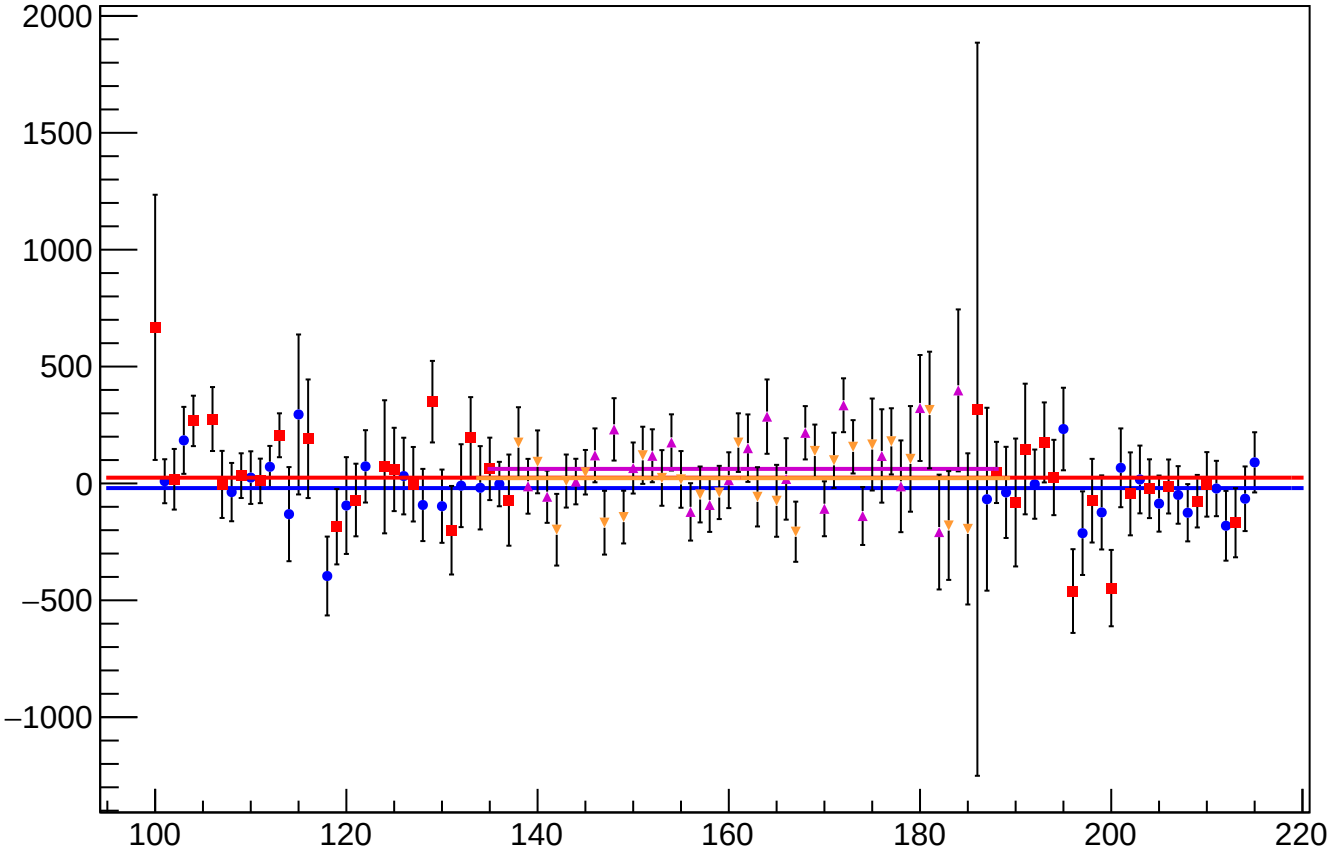
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 818.109+/-0.104 χ^2/NDF: 14330401.8/64

In: 742.356+/-0.091 χ^2/NDF:7670638.3/53

Out: 720.285+/-0.088 χ^2/NDF:9046088.6/58

All: 730.984+/-0.063 χ^2/NDF: 16747290.7/11



Right In: -19.915+/-25.379 χ^2/NDF: 17.7/30

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 24.644+/-25.450 χ^2/NDF: 42.5/33

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

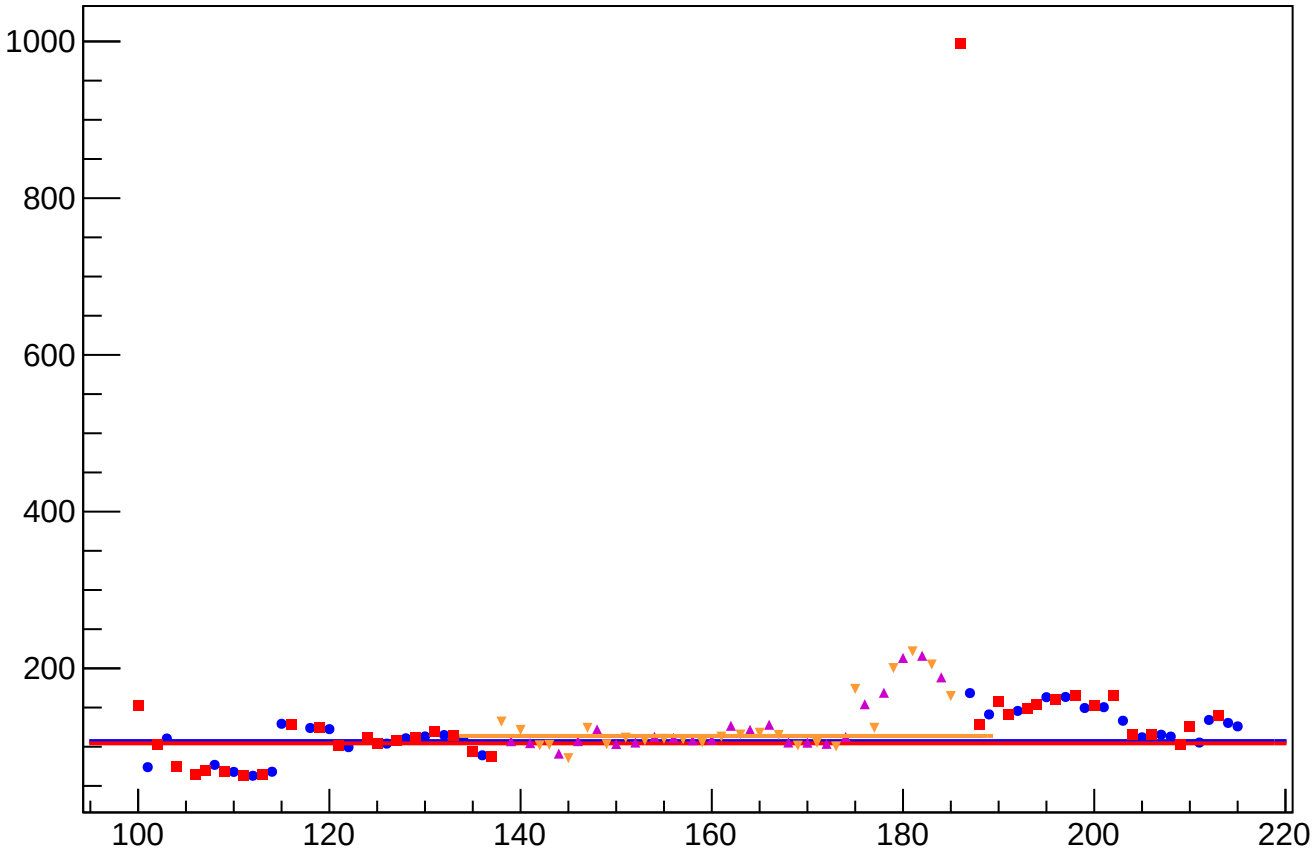
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 2.302+/-17.971 χ^2/NDF: 61.7/64

In: 18.080+/-18.600 χ^2/NDF:49.8/53

Out: 23.641+/-18.403 χ^2/NDF:64.1/58

All: 20.890+/-13.082 χ^2/NDF: 114.0/112



Right In: 107.171+/-0.018 χ^2/NDF: 2467506.7/30

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 104.334+/-0.018 χ^2/NDF: 3761597.7/33

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

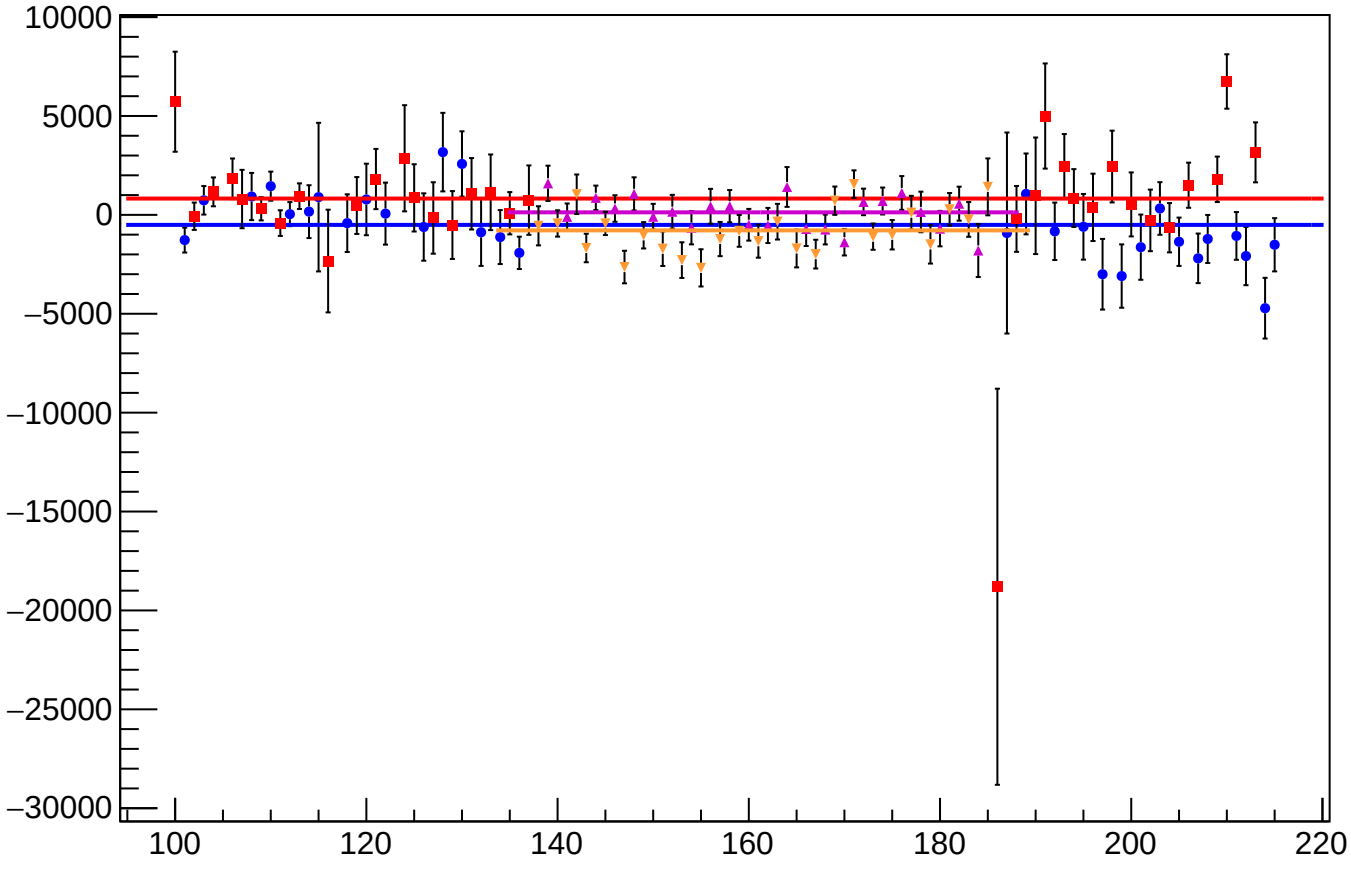
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 105.757+/-0.013 χ^2/NDF: 6241562.2/64

In: 110.182+/-0.013 χ^2/NDF:3844384.6/53

Out: 108.834+/-0.013 χ^2/NDF:5472573.8/58

All: 109.501+/-0.009 χ^2/NDF: 9322267.1/112



Right In: -506.847+/-214.554 χ^2/NDF: 43.2/30

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 824.215+/-207.472 χ^2/NDF: 47.5/33

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

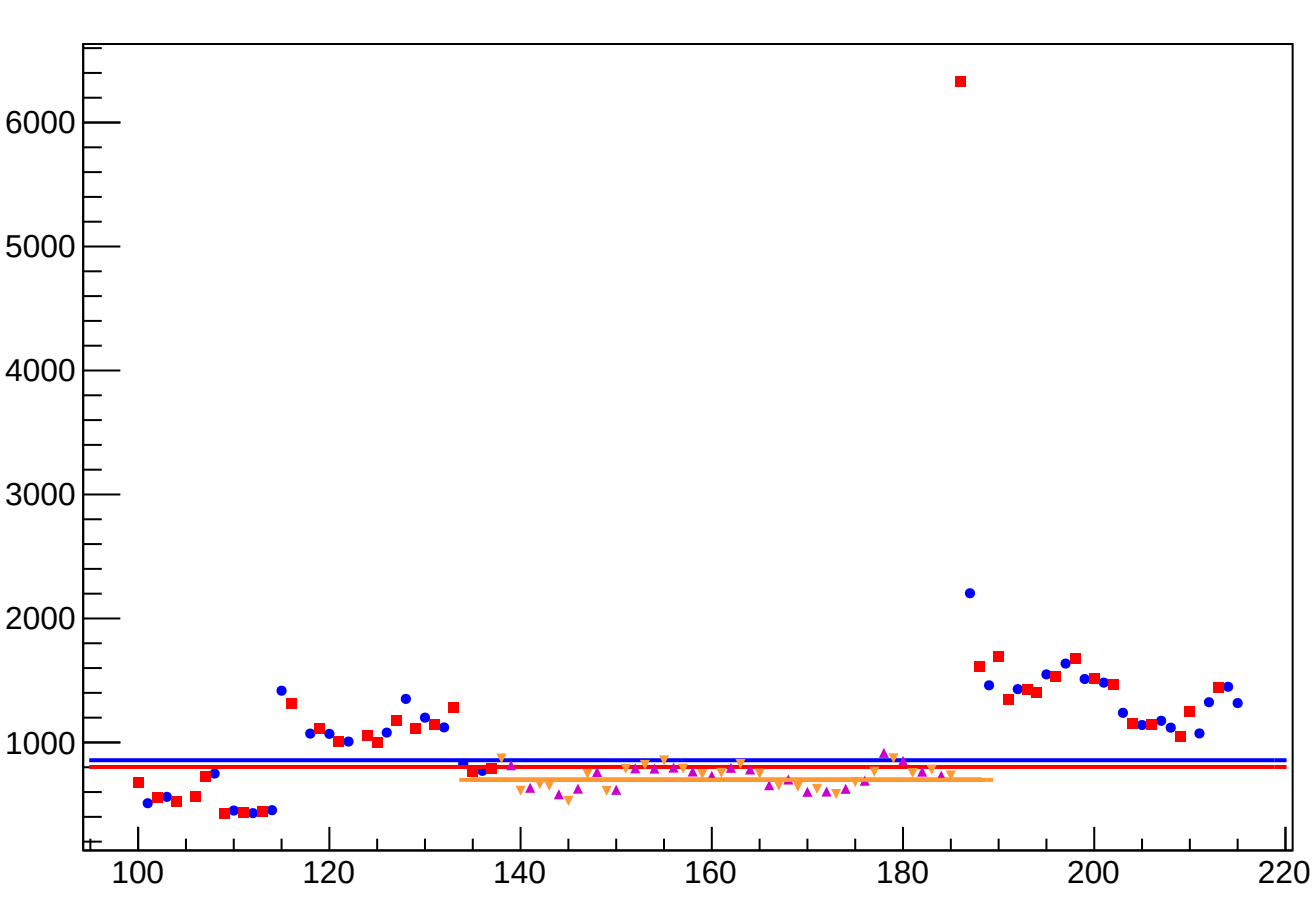
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 181.015+/-149.146 χ^2/NDF: 110.5/64

In: -108.288+/-130.922 χ^2/NDF:71.4/53

Out: -182.156+/-126.939 χ^2/NDF:130.5/58

All: -146.363+/-91.135 χ^2/NDF: 202.0/112



Right In: 856.693+/-0.152 χ^2/NDF: 6458719.9/30

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 802.265+/-0.147 χ^2/NDF: 7911607.0/33

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

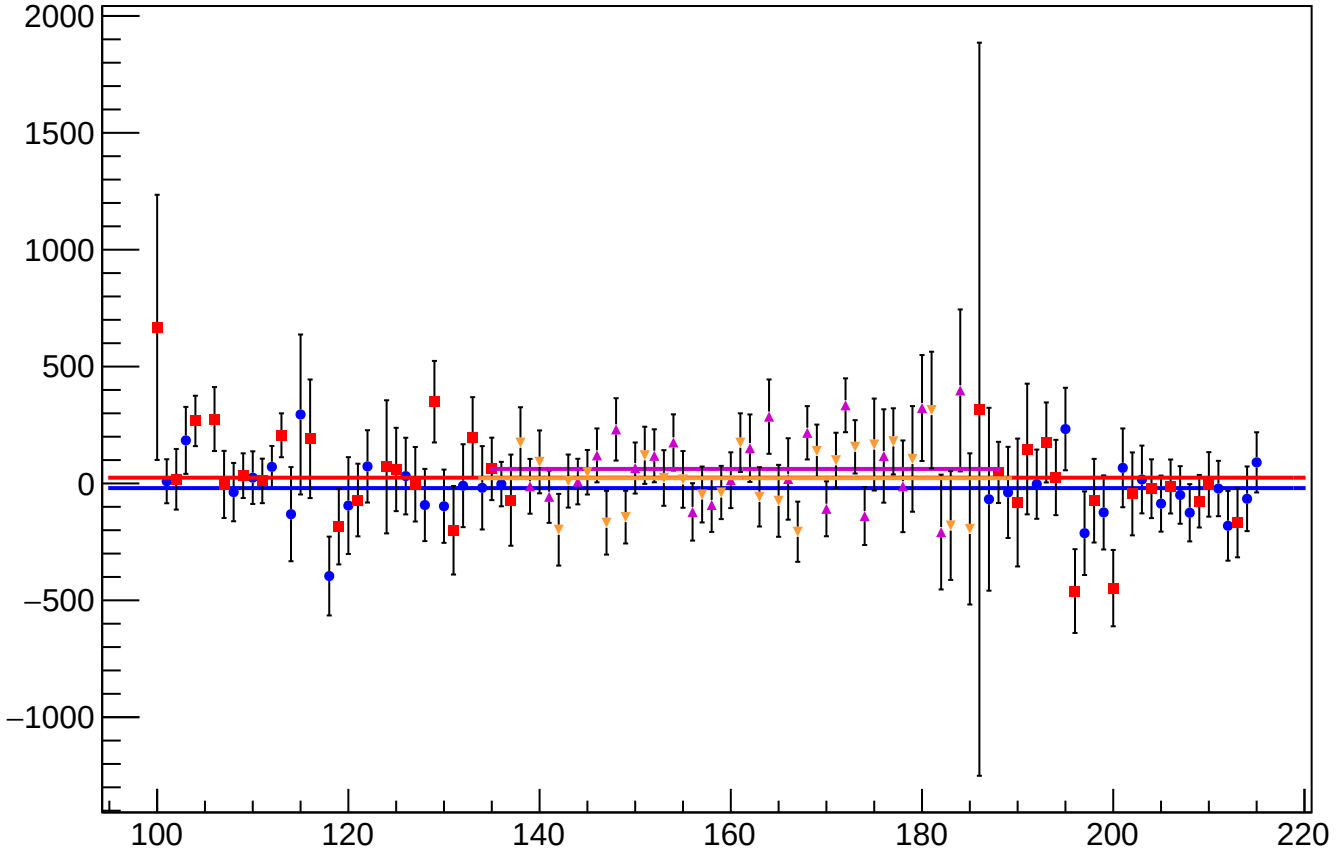
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 828.566+/-0.105 χ^2/NDF: 14436839.7/64

In: 758.394+/-0.093 χ^2/NDF:7711893.8/53

Out: 737.179+/-0.090 χ^2/NDF:8940884.4/58

All: 747.459+/-0.064 χ^2/NDF: 16679848.1/11



Right In: -19.914+/-25.379 χ^2/NDF: 17.7/30

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 24.643+/-25.450 χ^2/NDF: 42.5/33

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

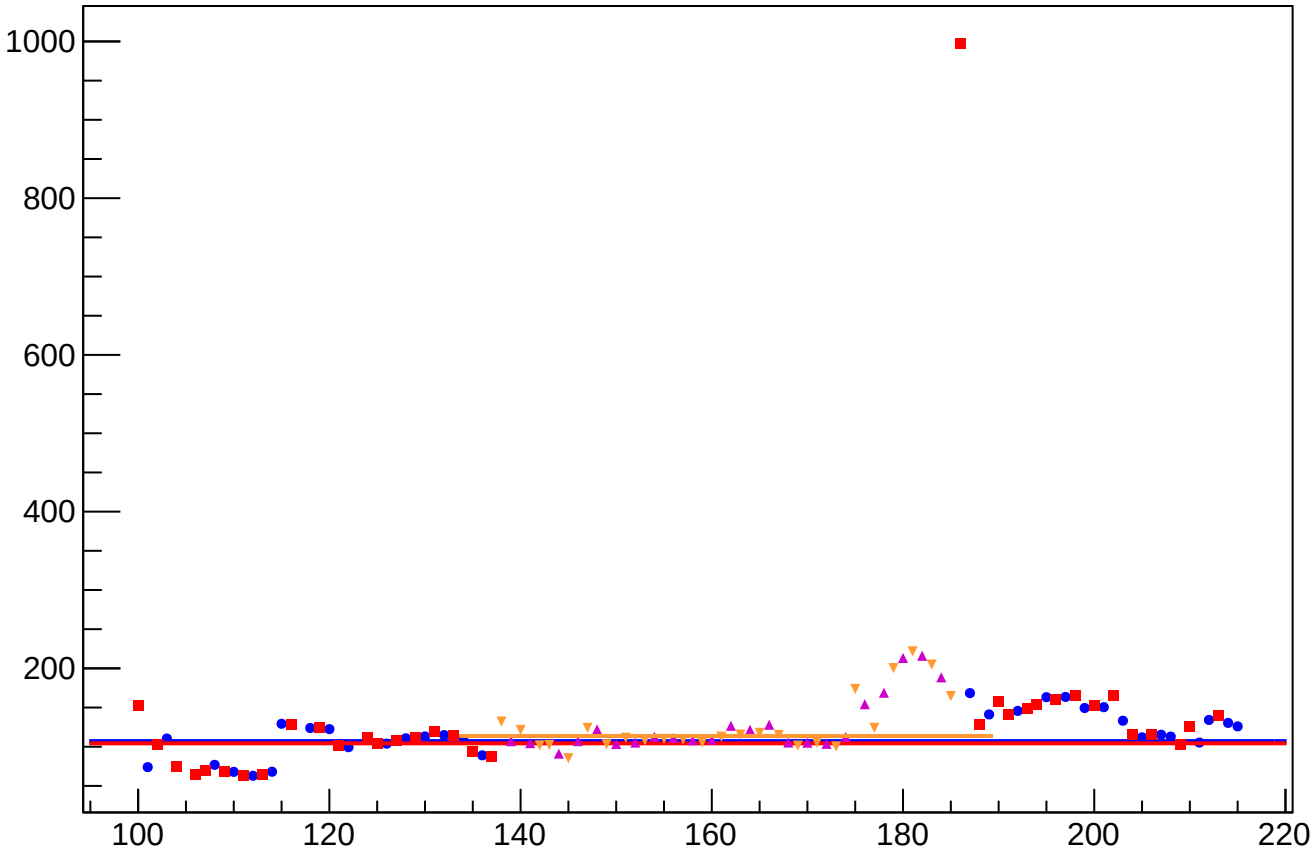
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 2.303+/-17.971 χ^2/NDF: 61.7/64

In: 18.081+/-18.600 χ^2/NDF:49.8/53

Out: 23.642+/-18.403 χ^2/NDF:64.1/58

All: 20.891+/-13.082 χ^2/NDF: 114.0/112



Right In: 107.171+/-0.018 χ^2/NDF: 2467486.2/30

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 104.334+/-0.018 χ^2/NDF: 3761596.7/33

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

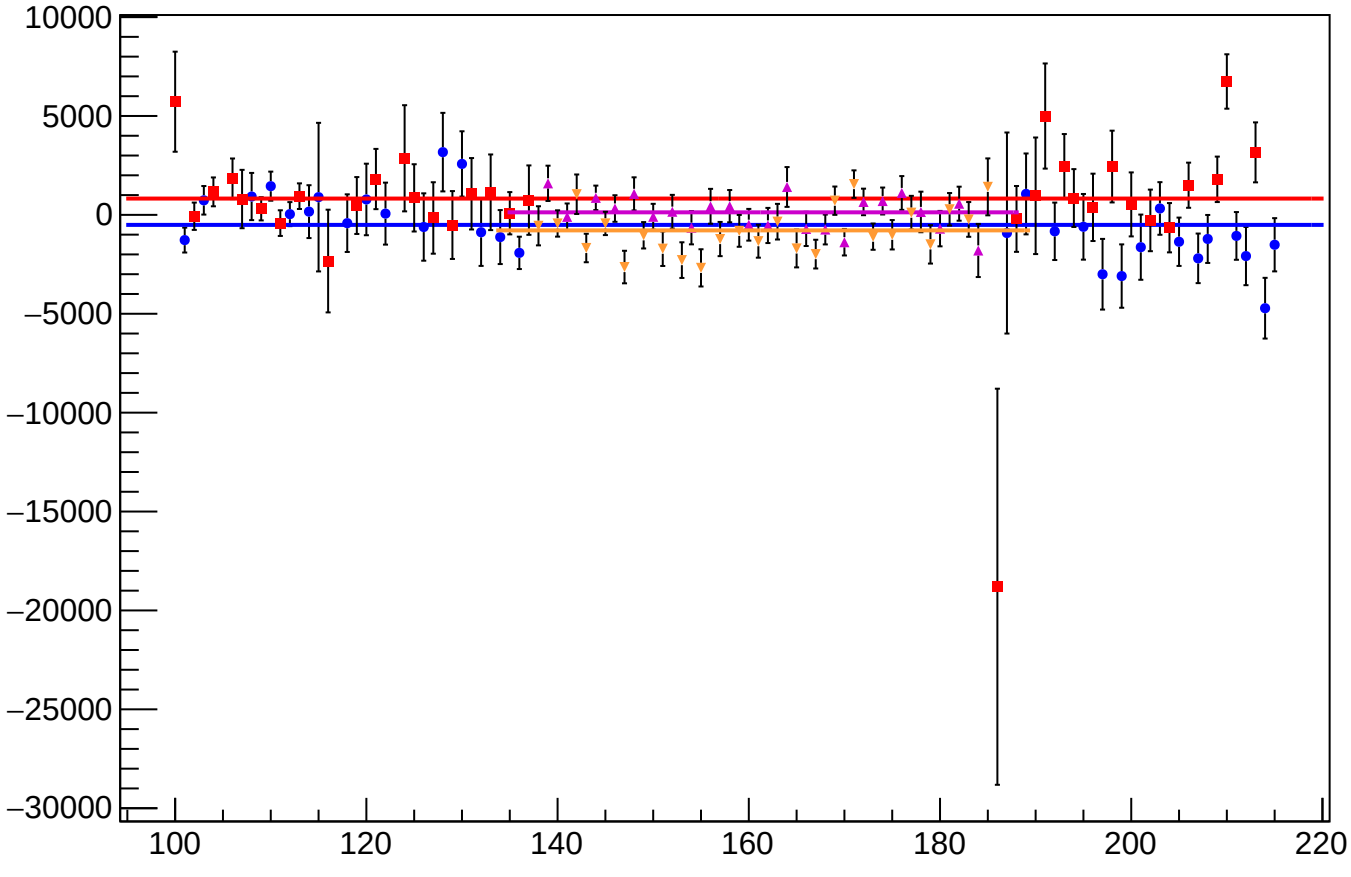
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 105.756+/-0.013 χ^2/NDF: 6241540.6/64

In: 110.182+/-0.013 χ^2/NDF:3844347.7/53

Out: 108.834+/-0.013 χ^2/NDF:5472568.6/58

All: 109.501+/-0.009 χ^2/NDF: 9322225.0/112



Right In: -506.846+/-214.554 χ^2/NDF: 43.2/30

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 824.213+/-207.472 χ^2/NDF: 47.5/33

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

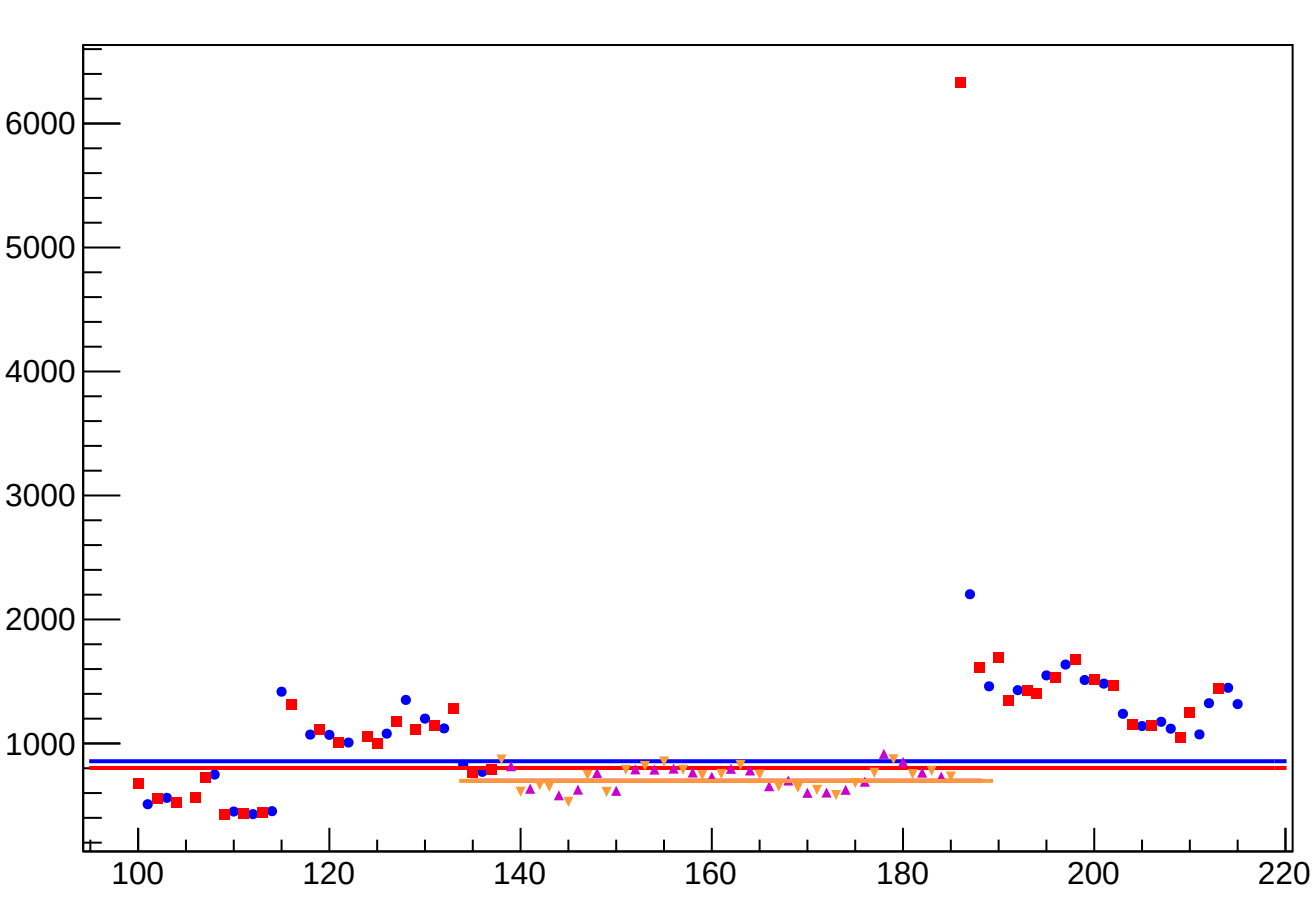
Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

Right: 181.014+/-149.146 χ^2/NDF: 110.5/64

In: -108.289+/-130.922 χ^2/NDF:71.4/53

Out: -182.156+/-126.939 χ^2/NDF:130.5/58

All: -146.363+/-91.135 χ^2/NDF: 202.0/112



Right In: 856.692+/-0.152 χ^2/NDF: 6458719.9/30

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 802.264+/-0.147 χ^2/NDF: 7911603.0/33

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

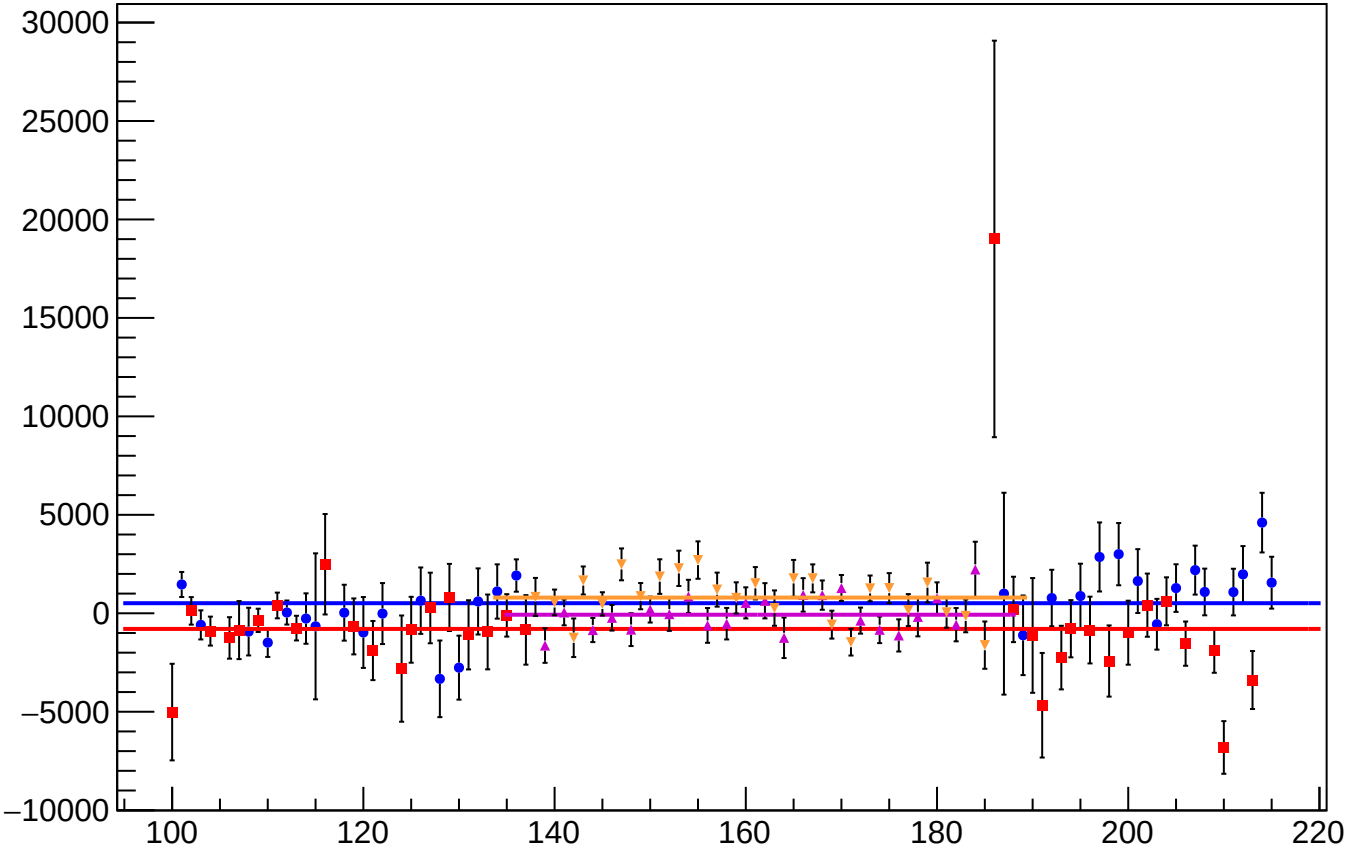
Right: 828.565+/-0.105 χ^2/NDF: 14436835.6/64

In: 758.394+/-0.093 χ^2/NDF:7711887.6/53

Out: 737.178+/-0.090 χ^2/NDF:8940878.8/58

All: 747.458+/-0.064 χ^2/NDF: 16679836.6/1

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 512.022+/-213.601 χ^2/NDF: 44.3/30

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -794.098+/-206.815 χ^2/NDF: 47.9/33

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

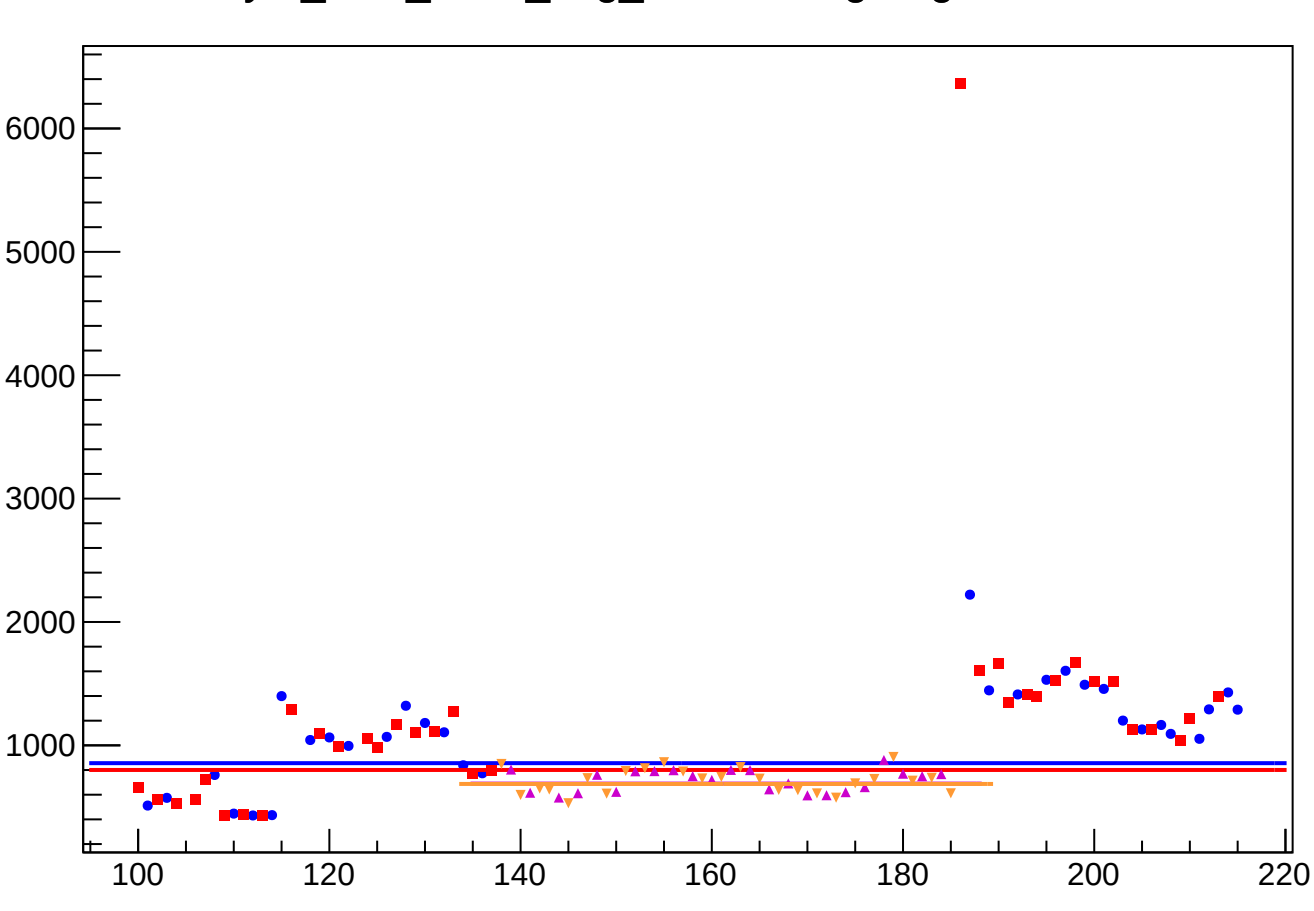
Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

Right: -162.117+/-148.581 χ^2/NDF: 111.5/64

In: 141.781+/-129.520 χ^2/NDF:74.0/53

Out: 209.881+/-125.624 χ^2/NDF:131.6/58

All: 176.871+/-90.176 χ^2/NDF: 205.7/112



Right In: 855.681+/-0.151 χ^2/NDF: 6220187.8/30

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 800.531+/-0.146 χ^2/NDF: 7805086.8/33

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

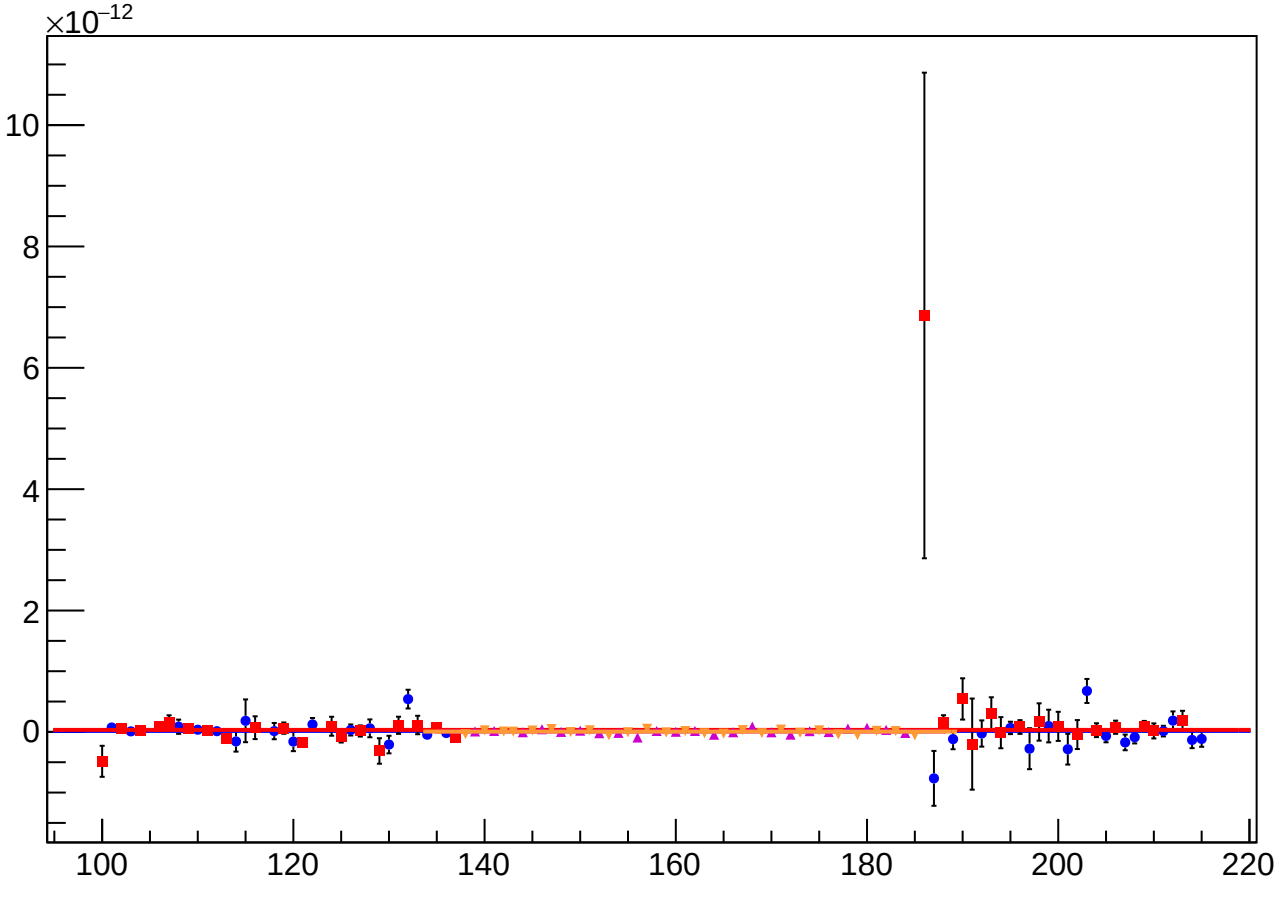
Right: 827.216+/-0.105 χ^2/NDF: 14094089.7/64

In: 750.915+/-0.092 χ^2/NDF:7548168.9/53

Out: 729.042+/-0.089 χ^2/NDF:8911773.4/58

All: 739.644+/-0.064 χ^2/NDF: 16489331.7/11

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 48.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/33

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

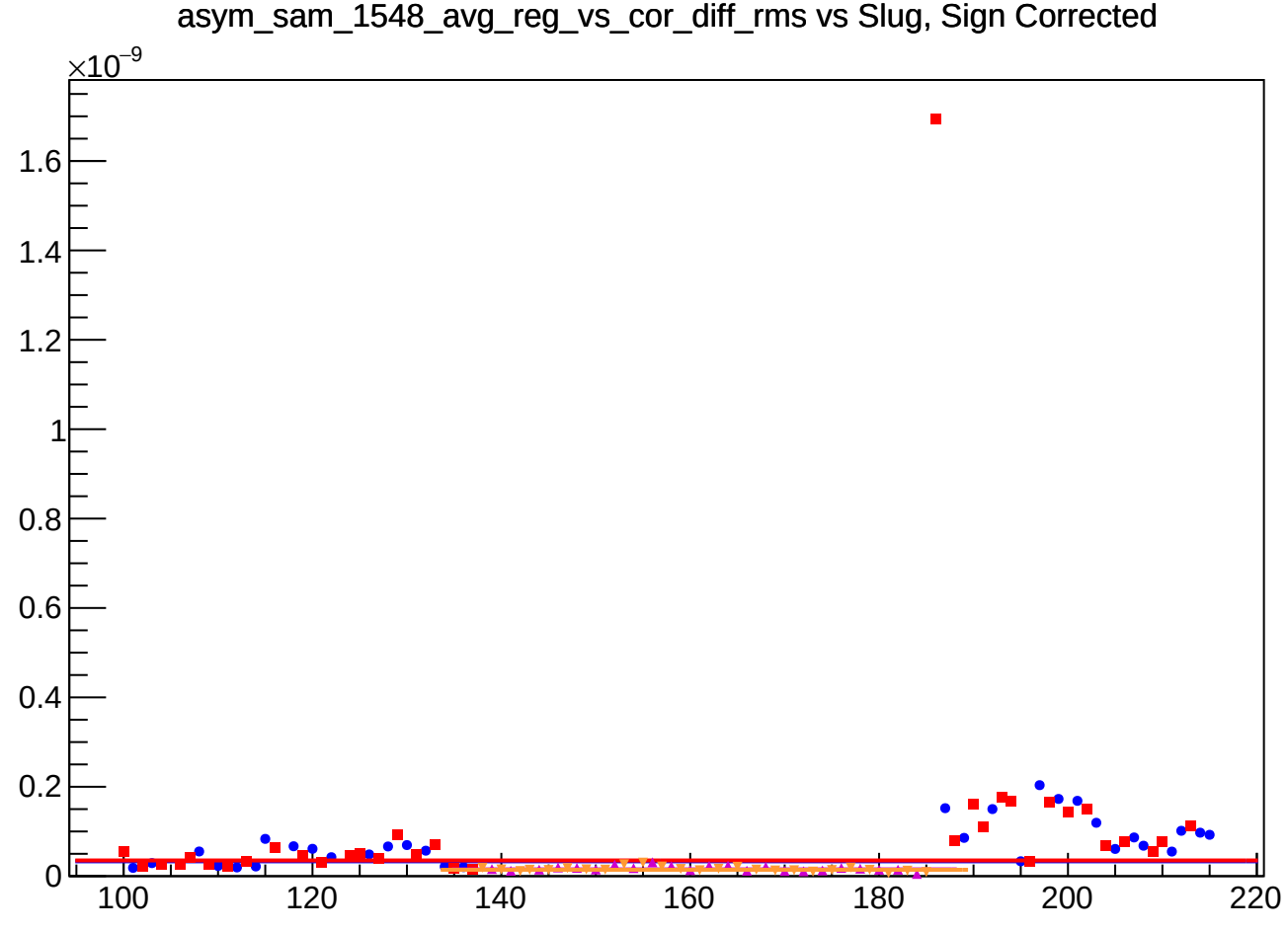
Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 84.9/64

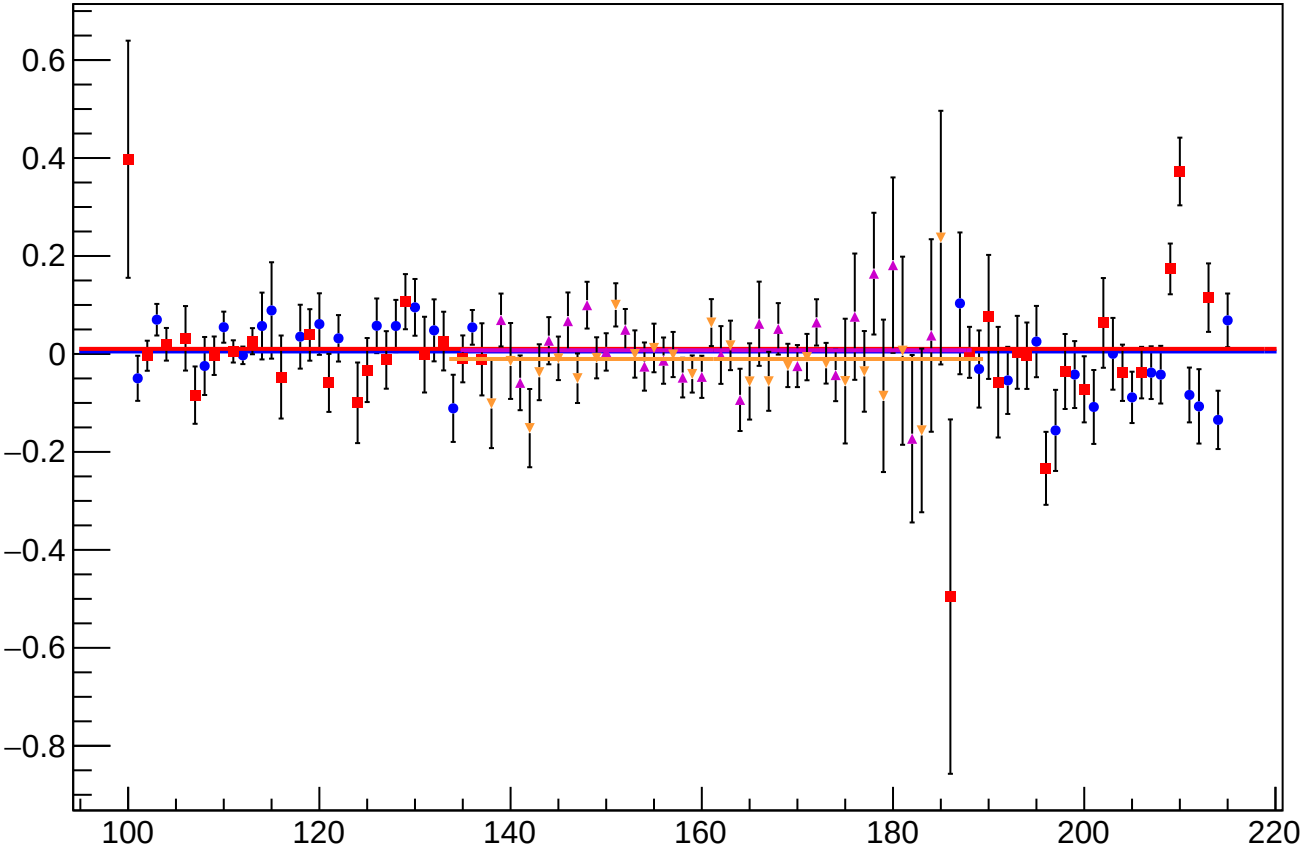
In: 0.000+/-0.000 χ^2/NDF:75.3/53

Out: 0.000+/-0.000 χ^2/NDF:60.8/58

All: 0.000+/-0.000 χ^2/NDF: 136.1/112


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6895895.8/30
Left Out: 0.000+/-0.000 χ²/NDF:992947.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5924525.0/33
Left In: 0.000+/-0.000 χ²/NDF:1107168.2/22
Left: 0.000+/-0.000 χ²/NDF: 2124302.0/47
Right: 0.000+/-0.000 χ²/NDF: 12838126.6/64
In: 0.000+/-0.000 χ²/NDF:10792124.2/53
Out: 0.000+/-0.000 χ²/NDF:10276968.2/58
All: 0.000+/-0.000 χ²/NDF: 21117573.3/112

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.009 χ^2/NDF: 44.5/30

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.010+/-0.009 χ^2/NDF: 70.6/33

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

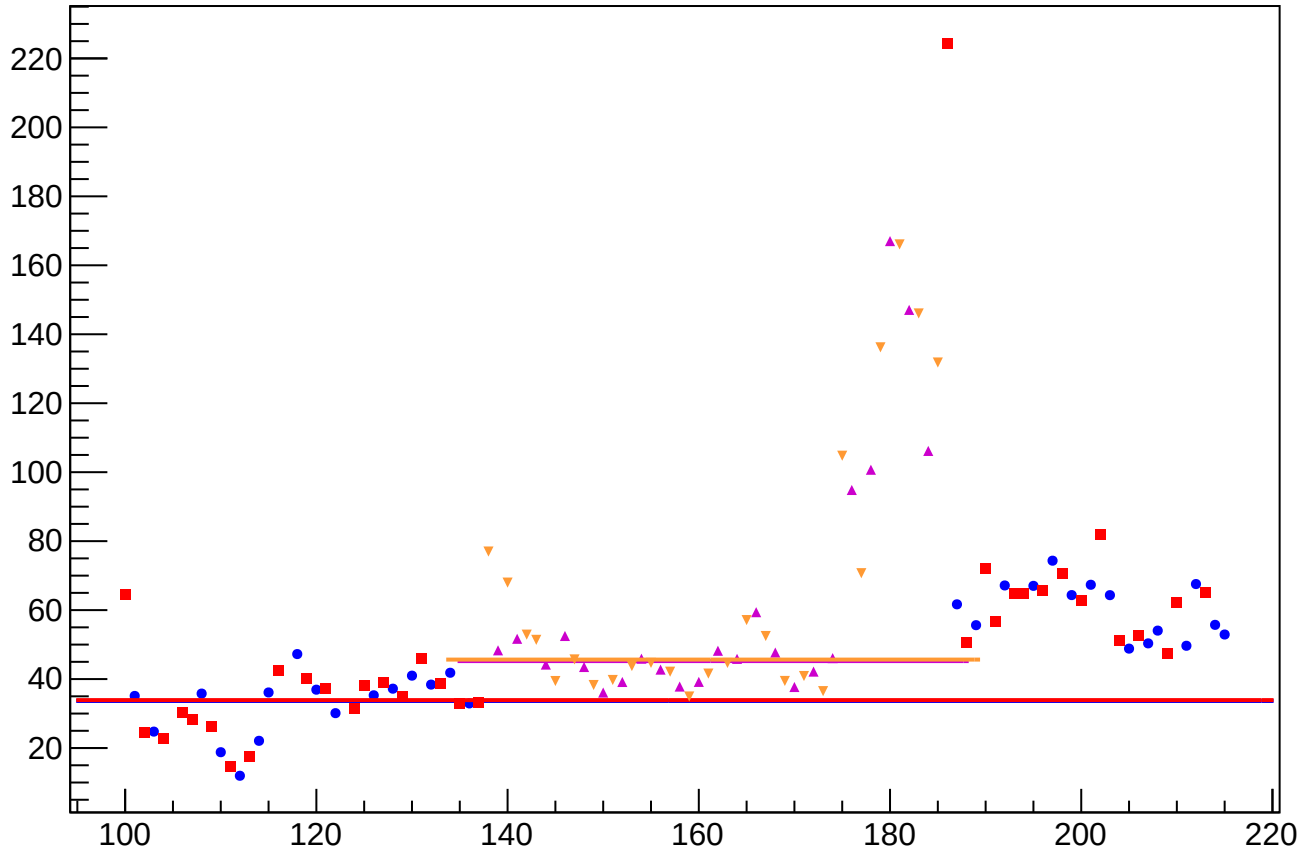
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.008+/-0.006 χ^2/NDF: 115.4/64

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.004+/-0.005 χ^2/NDF: 158.8/112



Right In: 33.648+/-0.006 χ^2/NDF: 8237421.1/30

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 33.899+/-0.006 χ^2/NDF: 7727030.3/33

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

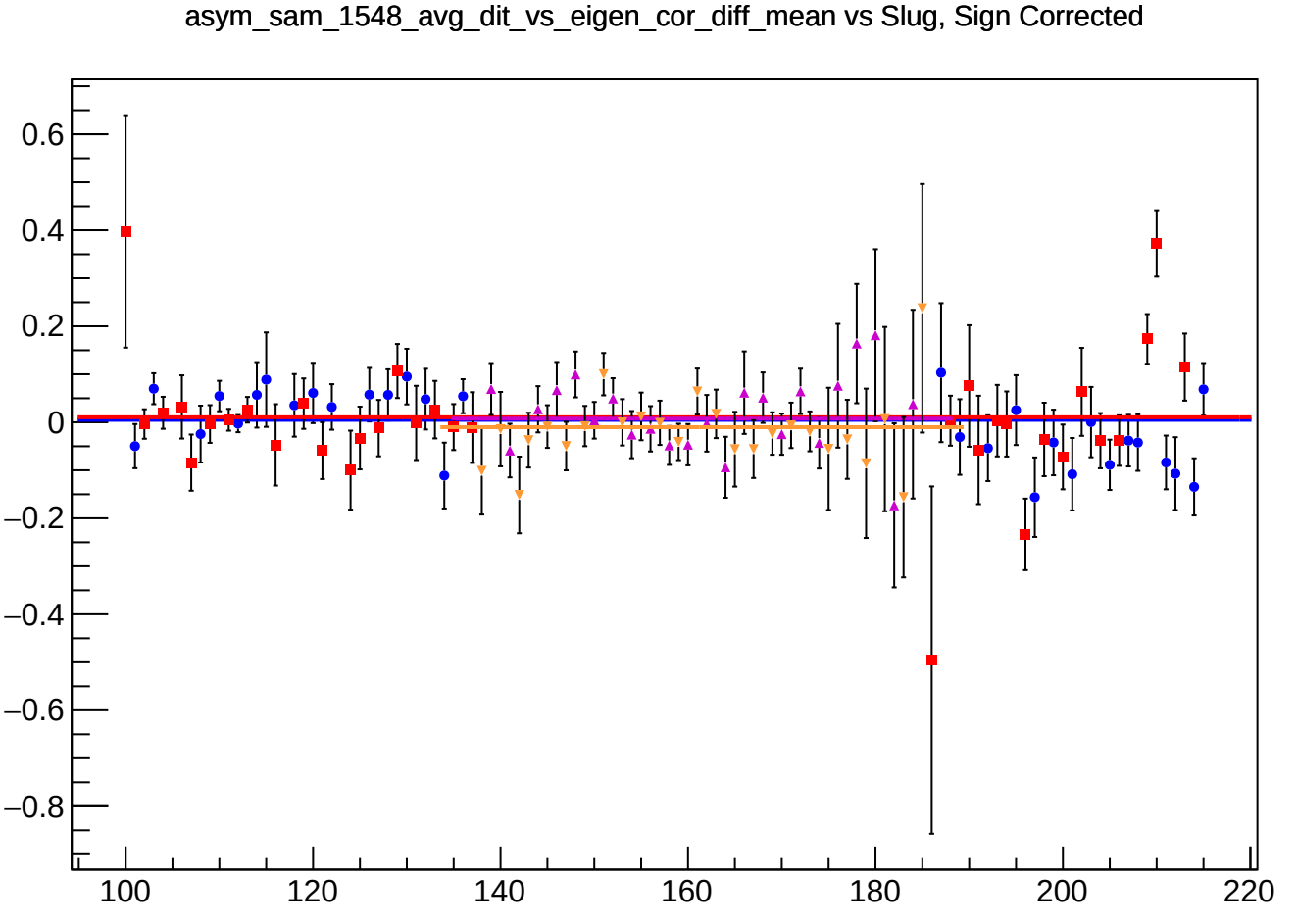
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 33.772+/-0.004 χ^2/NDF: 15965246.2/64

In: 37.992+/-0.005 χ^2/NDF:12512702.8/53

Out: 38.462+/-0.005 χ^2/NDF:13071154.3/58

All: 38.226+/-0.004 χ^2/NDF: 25588341.2/112



Right In: 0.005+/-0.009 χ^2/NDF: 44.5/30

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.010+/-0.009 χ^2/NDF: 70.6/33

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

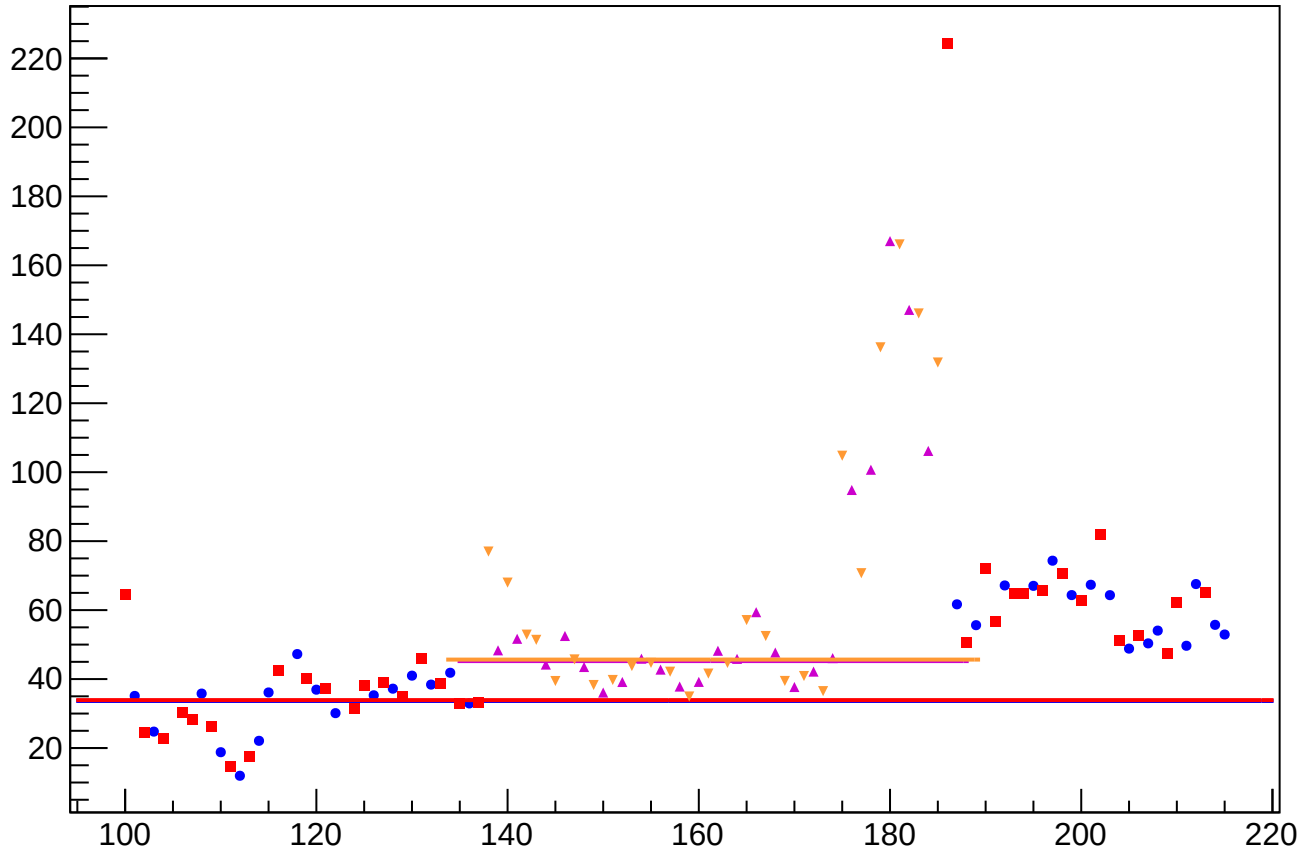
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.008+/-0.006 χ^2/NDF: 115.4/64

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.004+/-0.005 χ^2/NDF: 158.8/112



Right In: 33.648+/-0.006 χ^2/NDF: 8237421.1/30

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 33.899+/-0.006 χ^2/NDF: 7727030.3/33

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

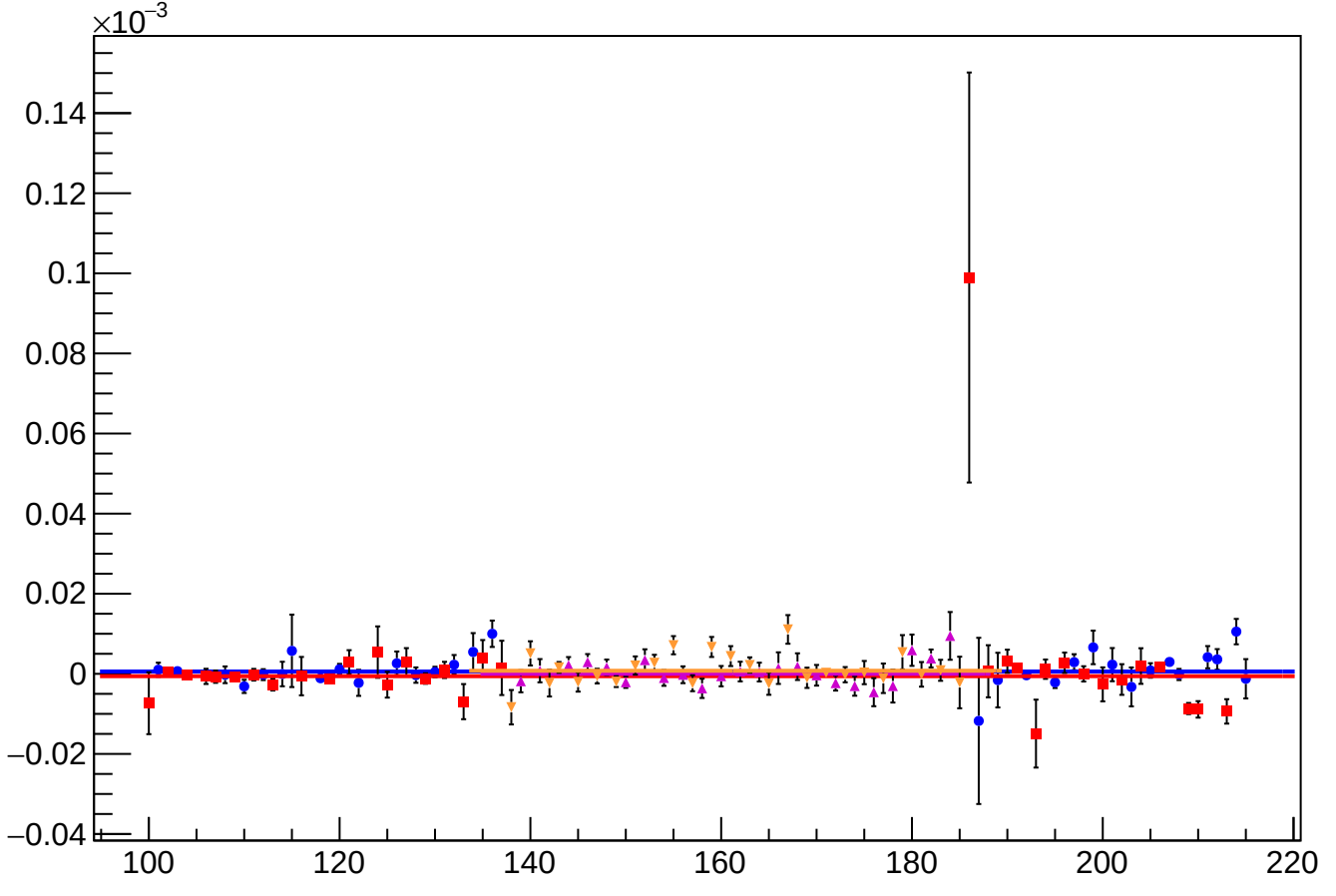
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 33.772+/-0.004 χ^2/NDF: 15965246.2/64

In: 37.992+/-0.005 χ^2/NDF:12512702.8/53

Out: 38.462+/-0.005 χ^2/NDF:13071154.3/58

All: 38.226+/-0.004 χ^2/NDF: 25588341.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 46.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 91.3/33

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

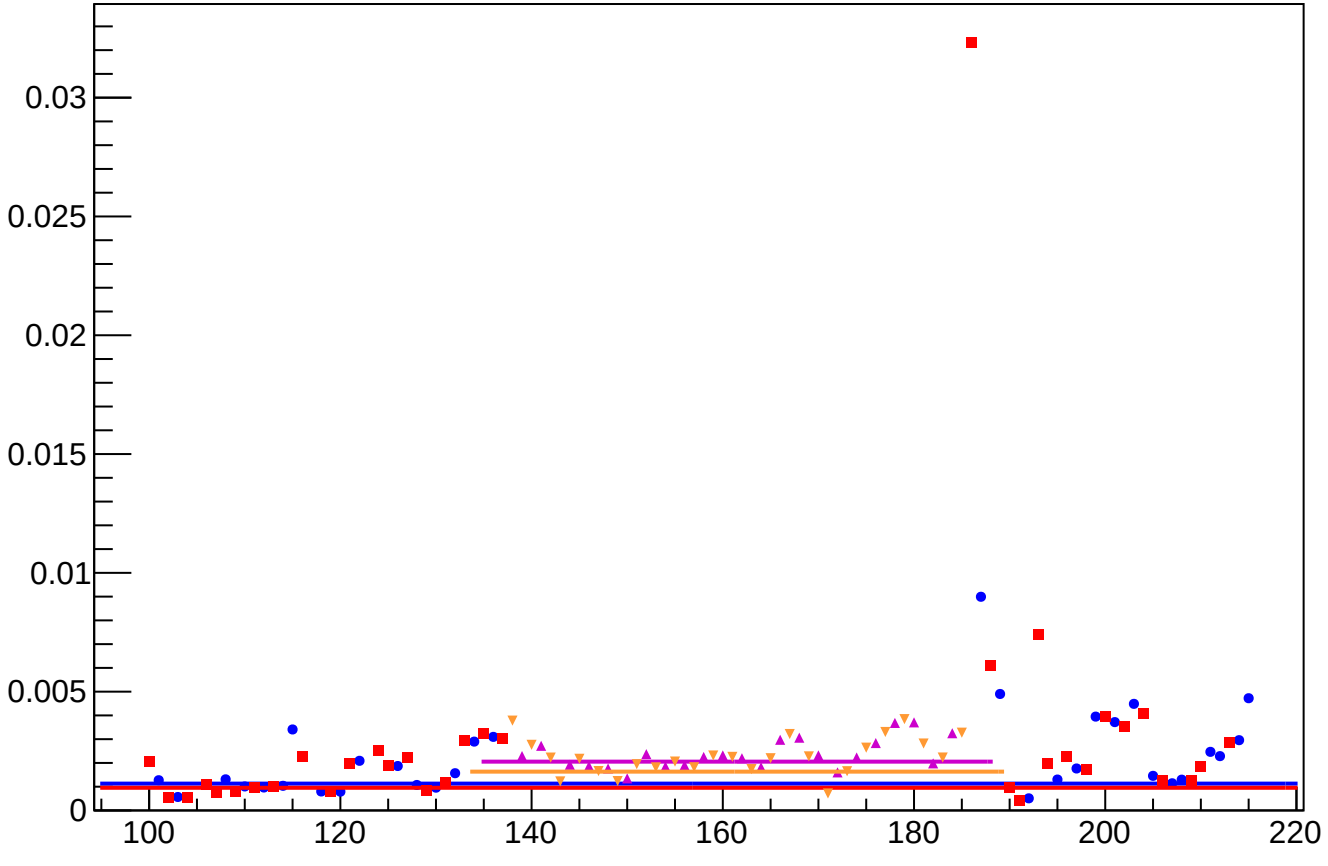
Right: -0.000+/-0.000 χ^2/NDF: 145.0/64

In: 0.000+/-0.000 χ^2/NDF:71.5/53

Out: -0.000+/-0.000 χ^2/NDF:144.8/58

All: 0.000+/-0.000 χ^2/NDF: 218.9/112

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10217723.6/30

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13232801.7/33

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

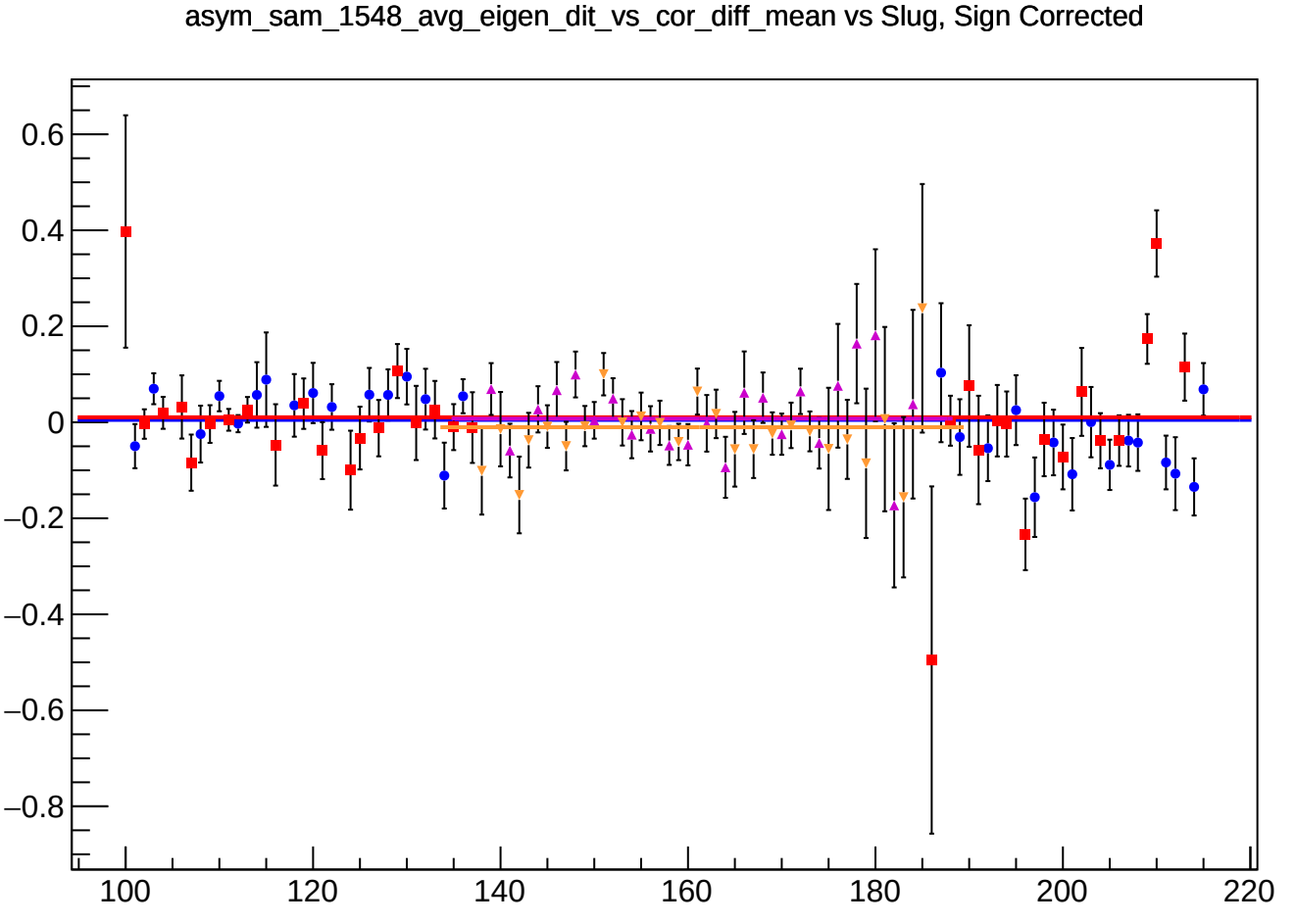
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 23790629.7/64

In: 0.001+/-0.000 χ^2/NDF:17171358.7/53

Out: 0.001+/-0.000 χ^2/NDF:23441074.4/58

All: 0.001+/-0.000 χ^2/NDF: 41406704.7/112



Right In: 0.005+/-0.009 χ^2/NDF: 44.5/30

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.010+/-0.009 χ^2/NDF: 70.6/33

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

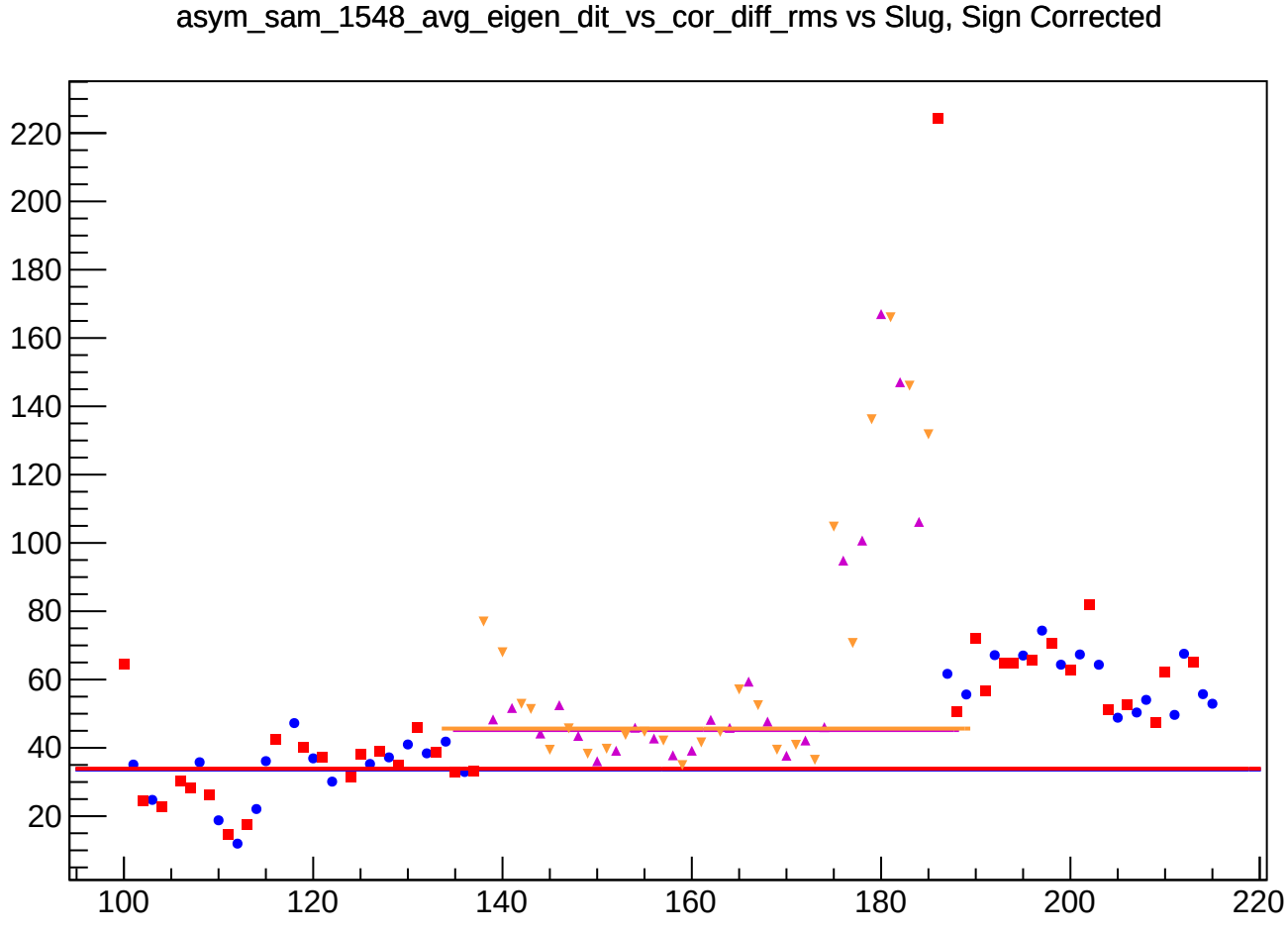
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.008+/-0.006 χ^2/NDF: 115.4/64

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.004+/-0.005 χ^2/NDF: 158.8/112



Right In: 33.648+/-0.006 χ^2/NDF: 8237713.7/30

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 33.899+/-0.006 χ^2/NDF: 7727280.4/33

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

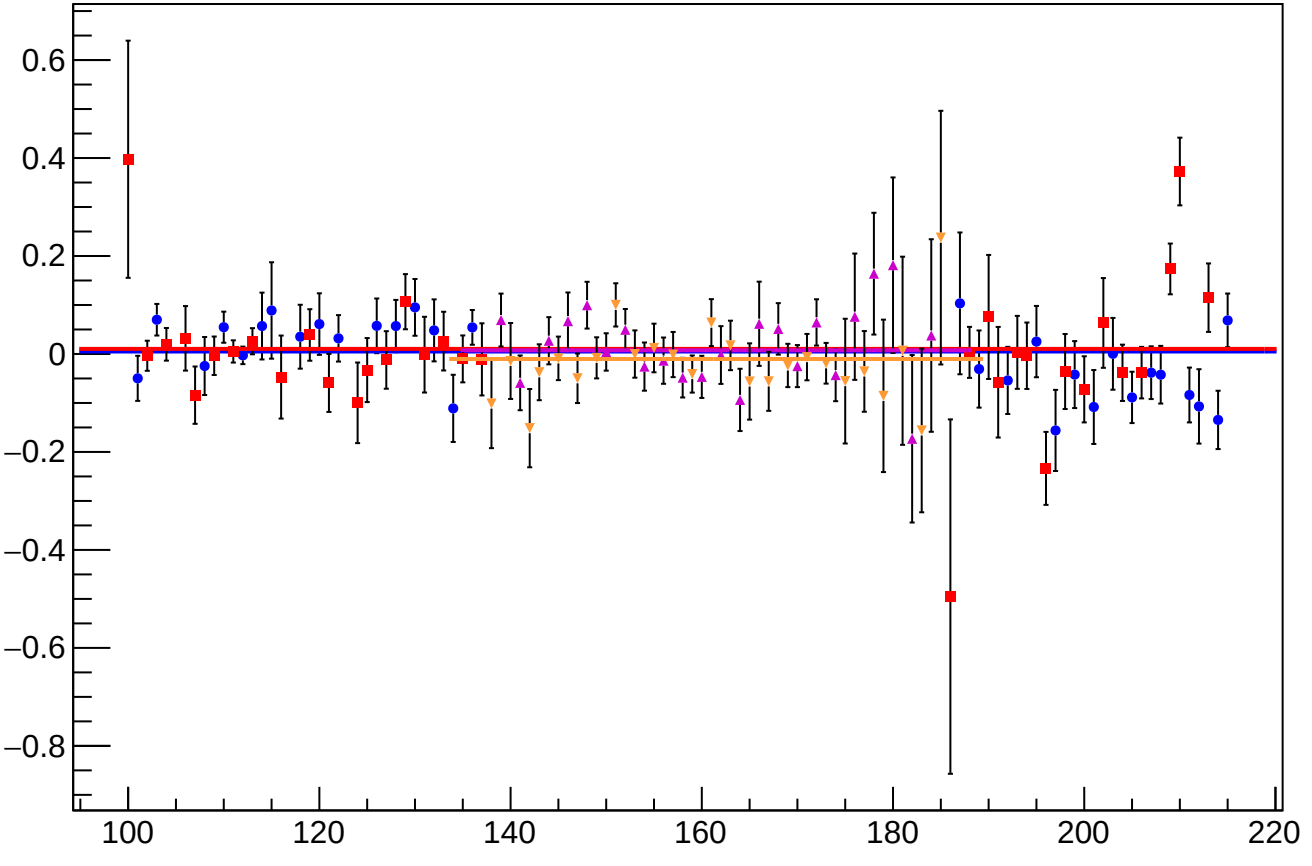
Right: 33.771+/-0.004 χ^2/NDF: 15965789.9/64

In: 37.992+/-0.005 χ^2/NDF:12513143.5/53

Out: 38.462+/-0.005 χ^2/NDF:13071514.4/58

All: 38.226+/-0.004 χ^2/NDF: 25589144.6/112

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.009 χ^2/NDF: 44.5/30

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.010+/-0.009 χ^2/NDF: 70.6/33

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

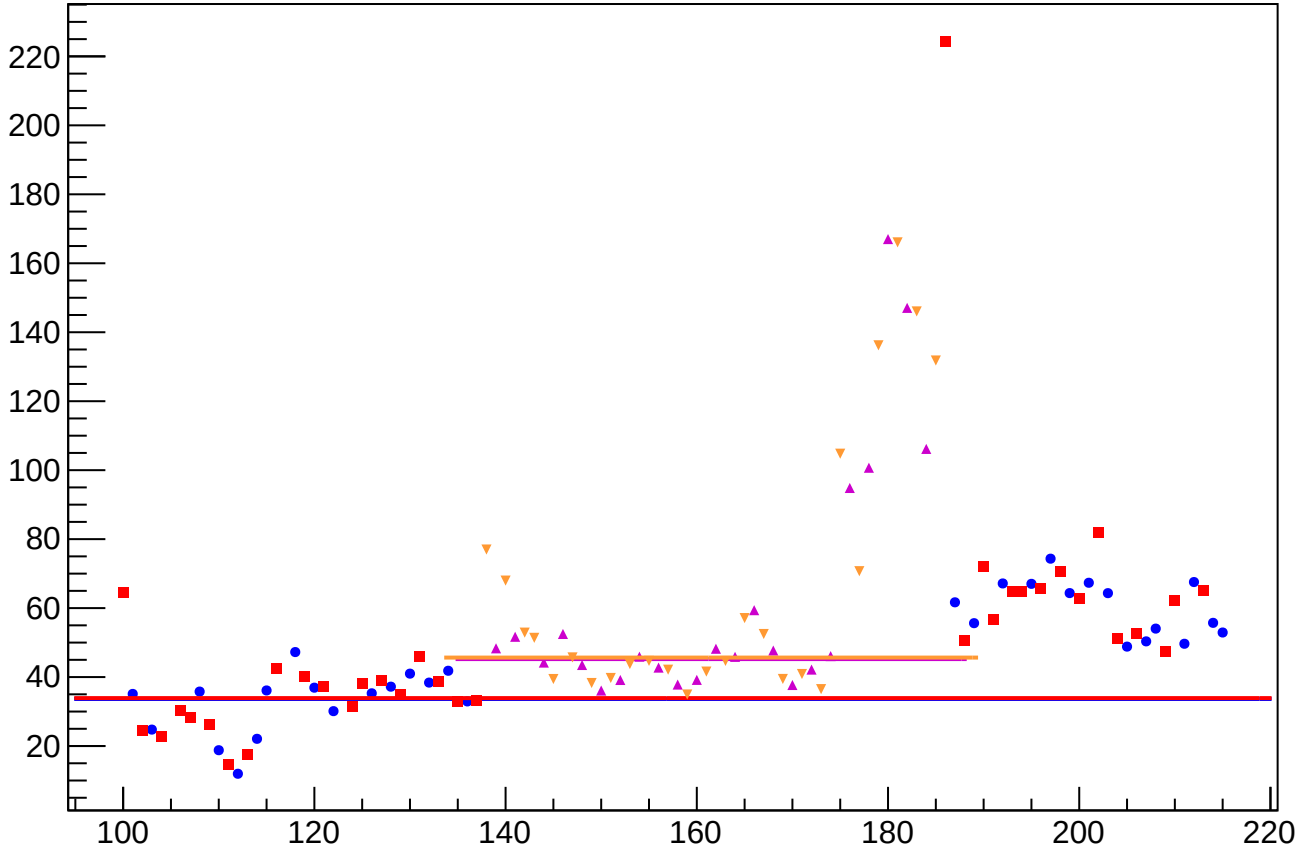
Right: 0.008+/-0.006 χ^2/NDF: 115.4/64

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.002+/-0.007 χ^2/NDF:90.8/58

All: 0.004+/-0.005 χ^2/NDF: 158.8/112

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.648+/-0.006 χ^2/NDF: 8237713.7/30

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 33.899+/-0.006 χ^2/NDF: 7727280.4/33

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

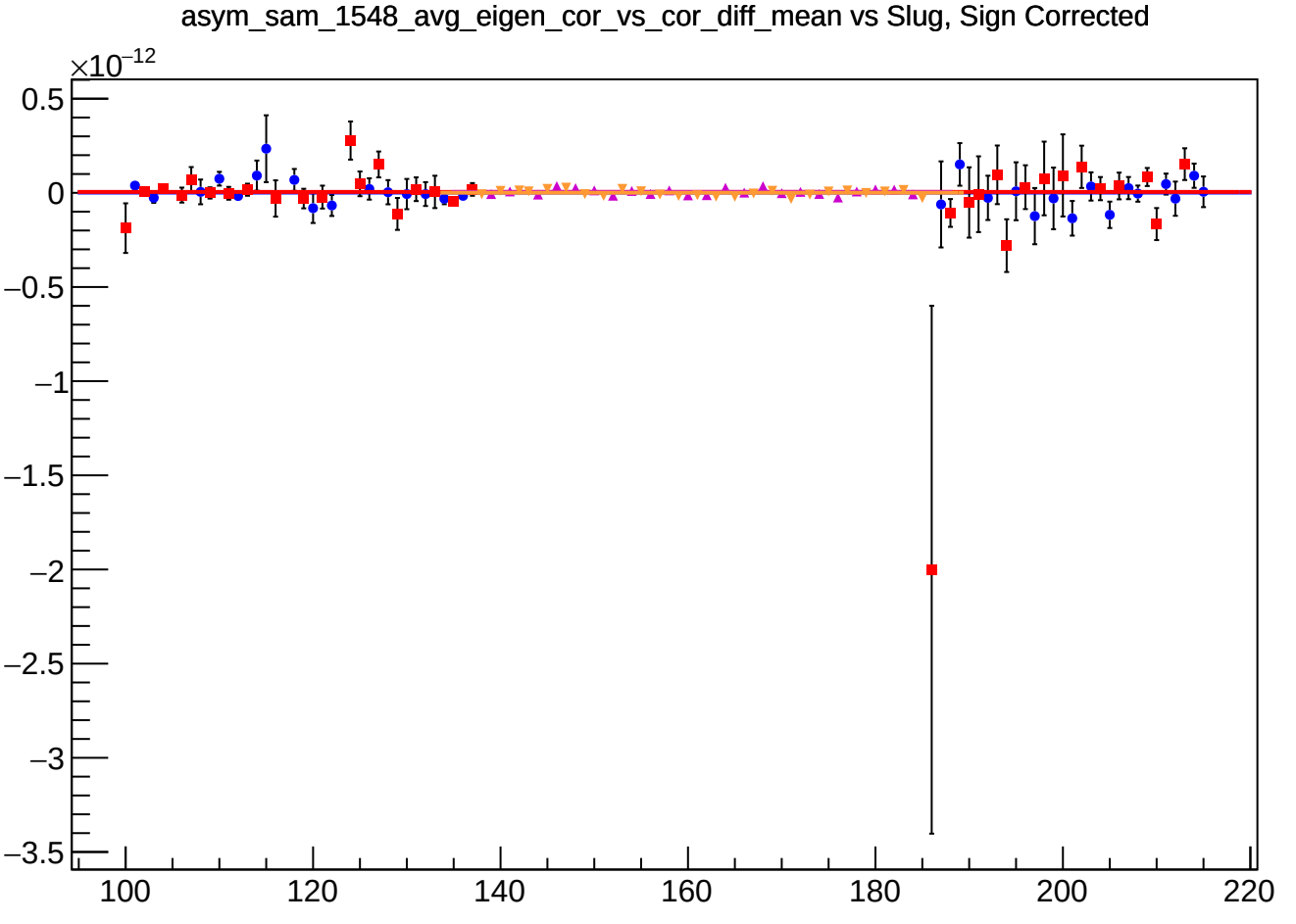
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 33.771+/-0.004 χ^2/NDF: 15965789.9/64

In: 37.992+/-0.005 χ^2/NDF:12513143.5/53

Out: 38.462+/-0.005 χ^2/NDF:13071514.4/58

All: 38.226+/-0.004 χ^2/NDF: 25589144.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 44.3/33

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

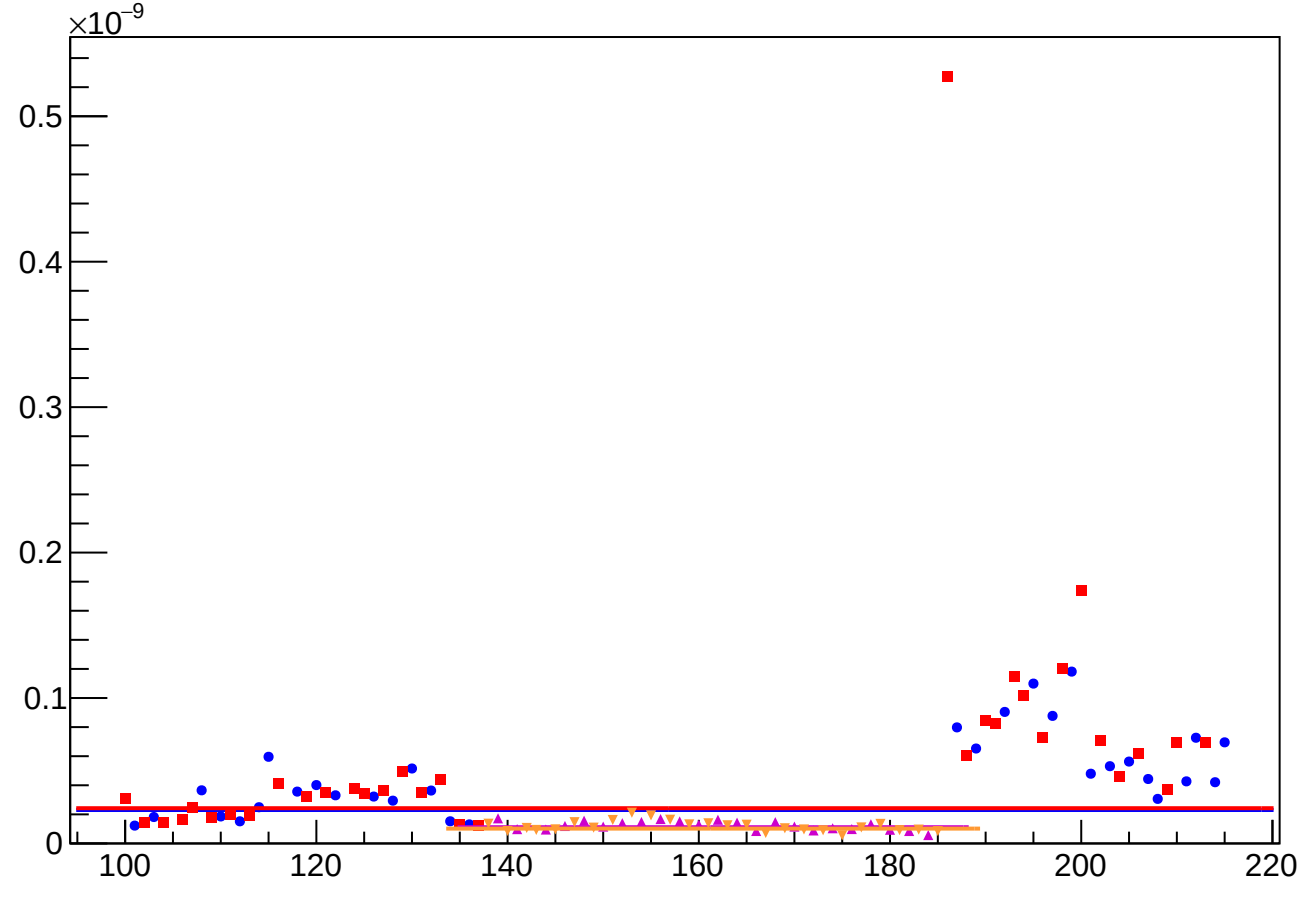
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 73.9/64

In: 0.000+/-0.000 χ^2/NDF:53.3/53

Out: 0.000+/-0.000 χ^2/NDF:69.9/58

All: 0.000+/-0.000 χ^2/NDF: 123.8/112



Right In: 0.000+/-0.000 χ^2/NDF: 8259908.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8885140.3/33

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

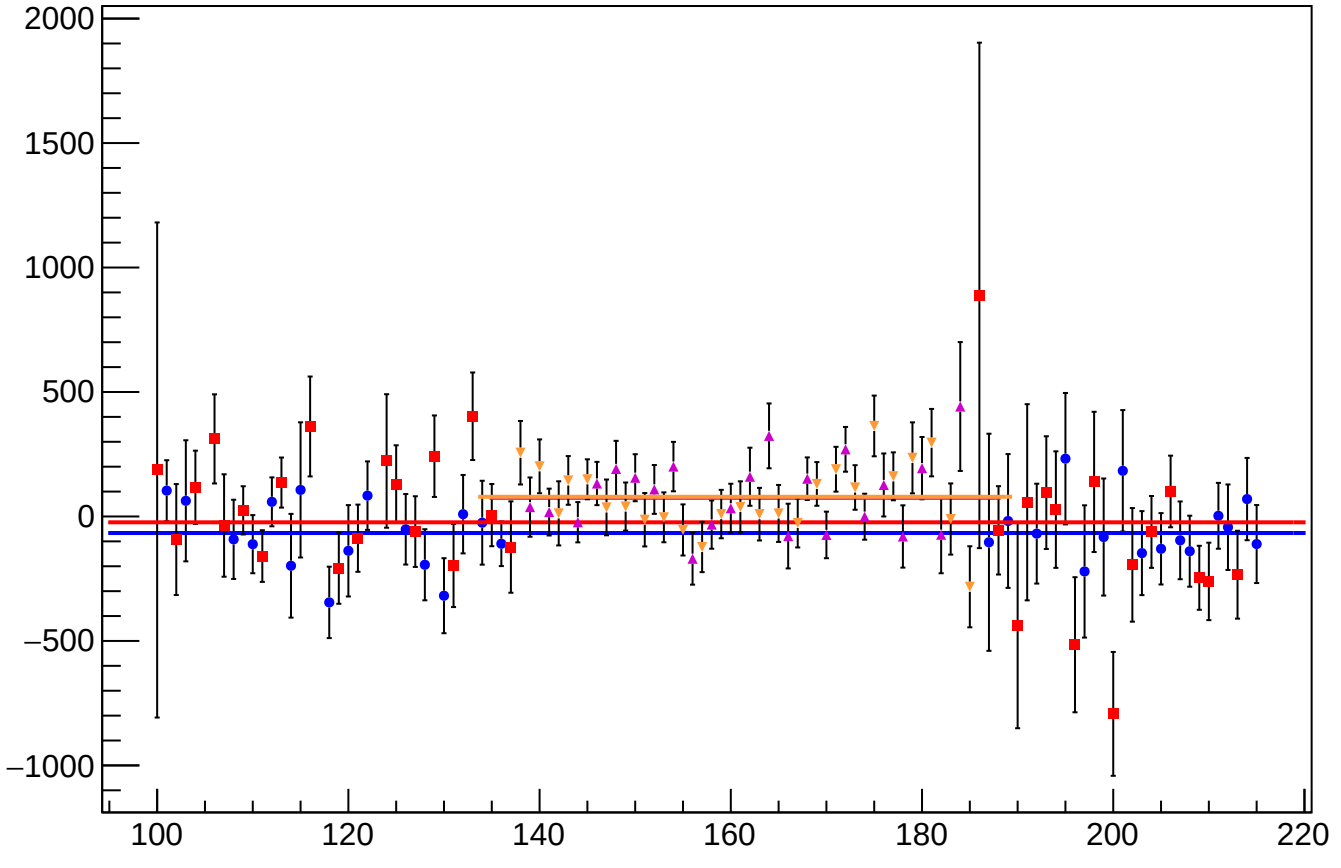
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17167542.0/64

In: 0.000+/-0.000 χ^2/NDF:13603845.7/53

Out: 0.000+/-0.000 χ^2/NDF:15971393.8/58

All: 0.000+/-0.000 χ^2/NDF: 29728953.3/112



Right In: -66.433+/-28.166 χ^2/NDF: 18.6/30

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -23.446+/-28.543 χ^2/NDF: 49.9/33

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

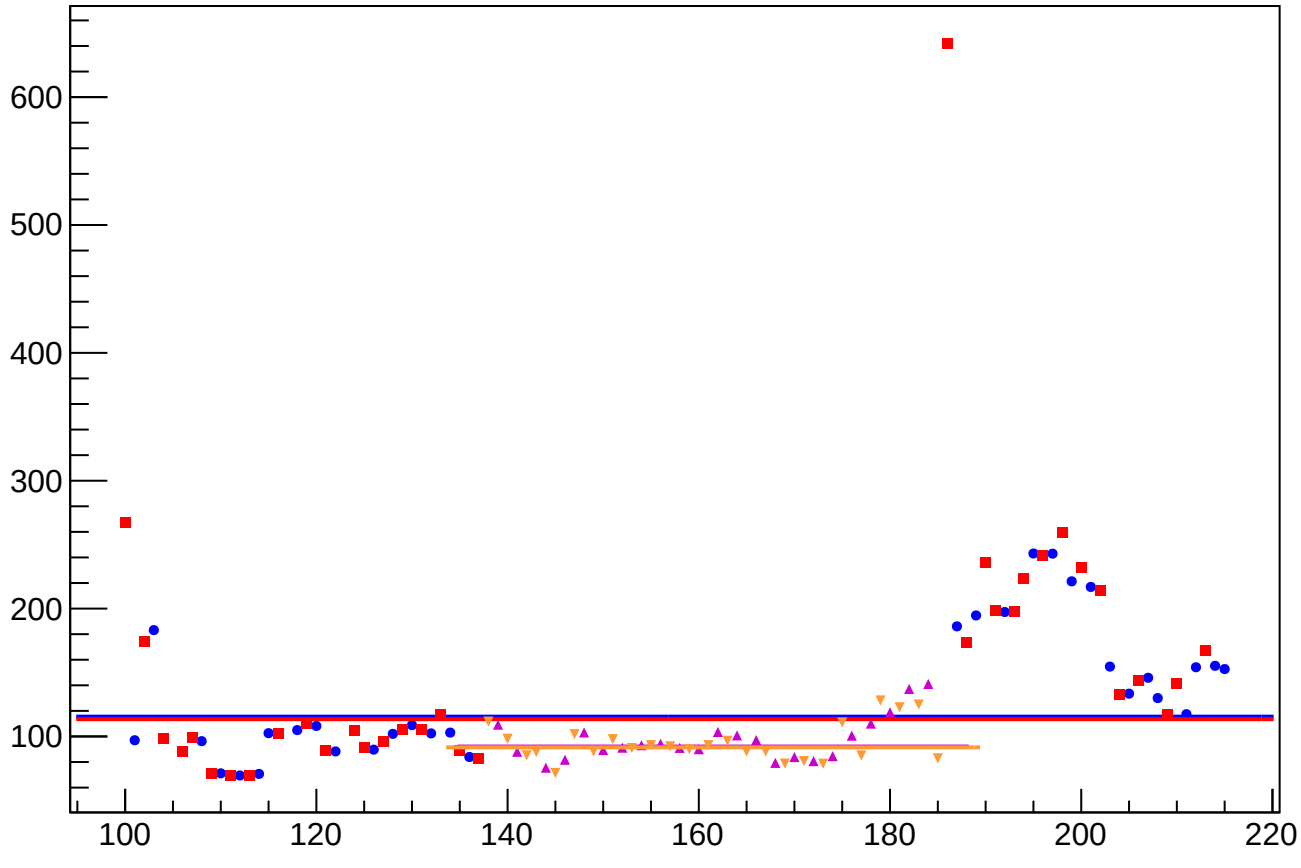
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -45.225+/-20.048 χ^2/NDF: 69.6/64

In: 21.934+/-17.258 χ^2/NDF:67.0/53

Out: 42.857+/-16.968 χ^2/NDF:90.3/58

All: 32.573+/-12.099 χ^2/NDF: 158.0/112



Right In: 115.492+/-0.020 χ^2/NDF: 4309295.4/30

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 113.533+/-0.020 χ^2/NDF: 5650313.6/33

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

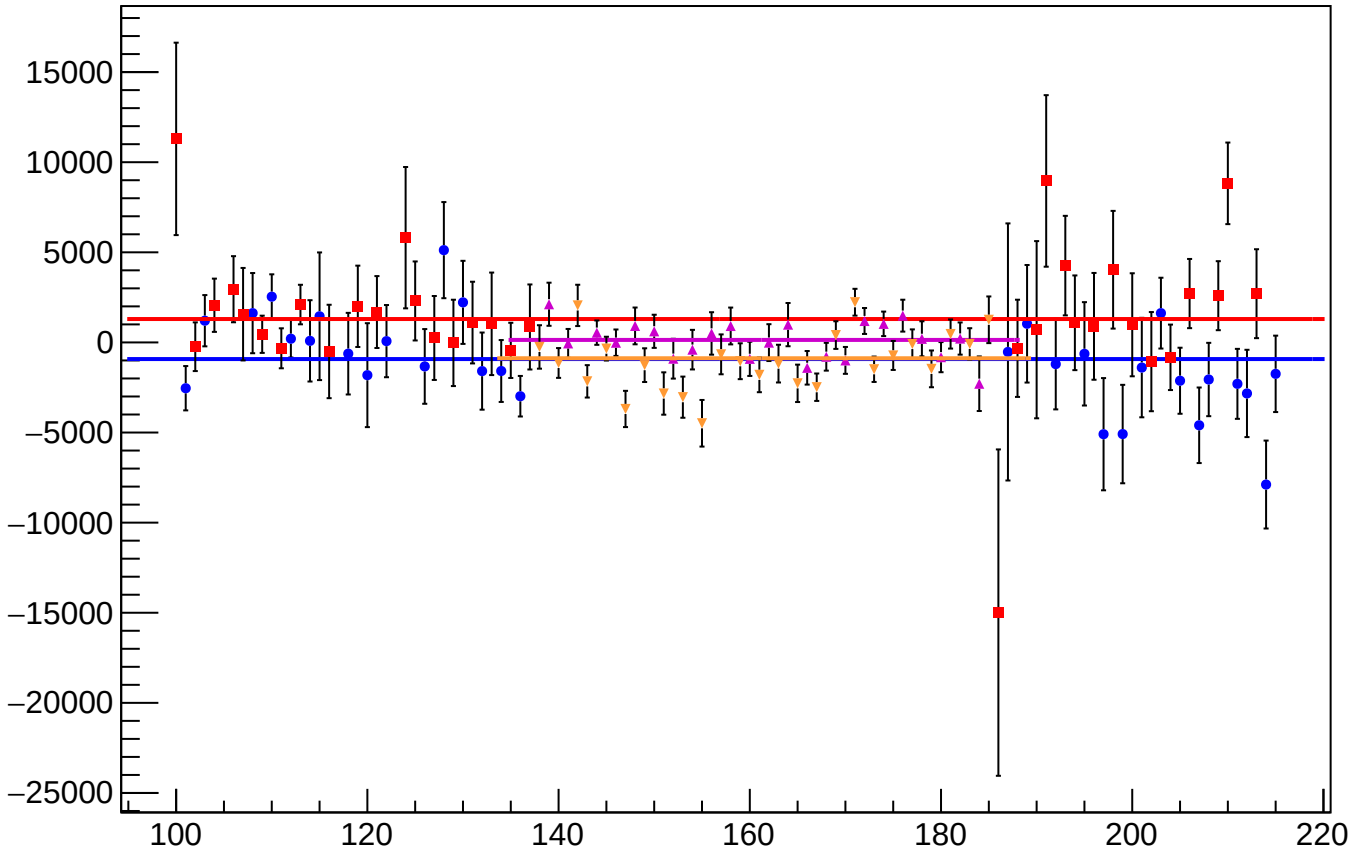
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 114.526+/-0.014 χ^2/NDF: 9964383.7/64

In: 100.882+/-0.012 χ^2/NDF:5870449.8/53

Out: 99.262+/-0.012 χ^2/NDF:7174776.8/58

All: 100.058+/-0.009 χ^2/NDF: 13054187.5/1



Right In: -923.123+/-347.214 χ^2/NDF: 45.3/30

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1298.207+/-344.941 χ^2/NDF: 35.8/33

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

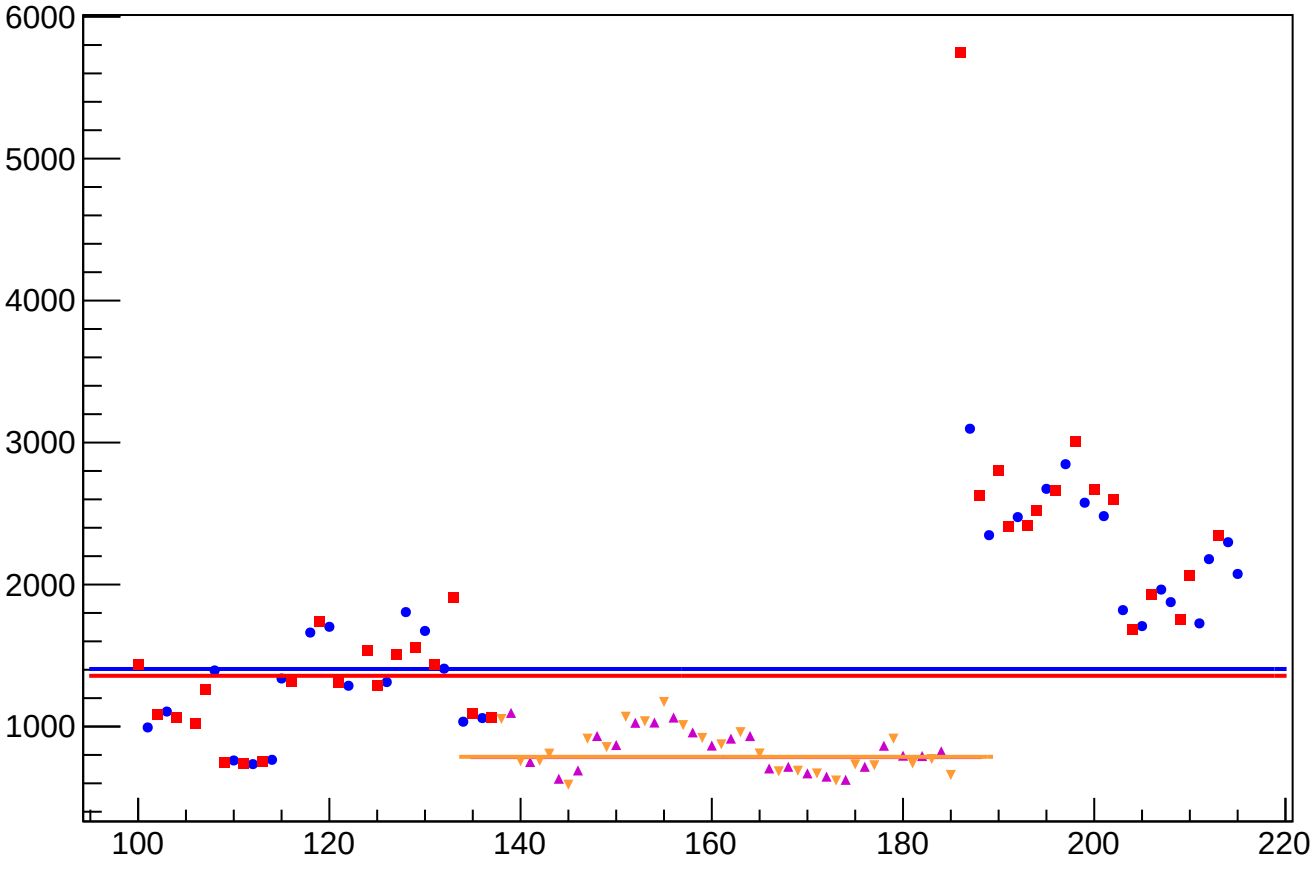
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 194.837+/-244.710 χ^2/NDF: 101.8/64

In: -99.177+/-164.349 χ^2/NDF:76.8/53

Out: -403.694+/-161.098 χ^2/NDF:134.7/58

All: -254.477+/-115.046 χ^2/NDF: 213.2/112



Right In: 1405.267+/-0.246 χ^2/NDF: 5509705.6/30

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1357.358+/-0.244 χ^2/NDF: 6835941.7/33

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

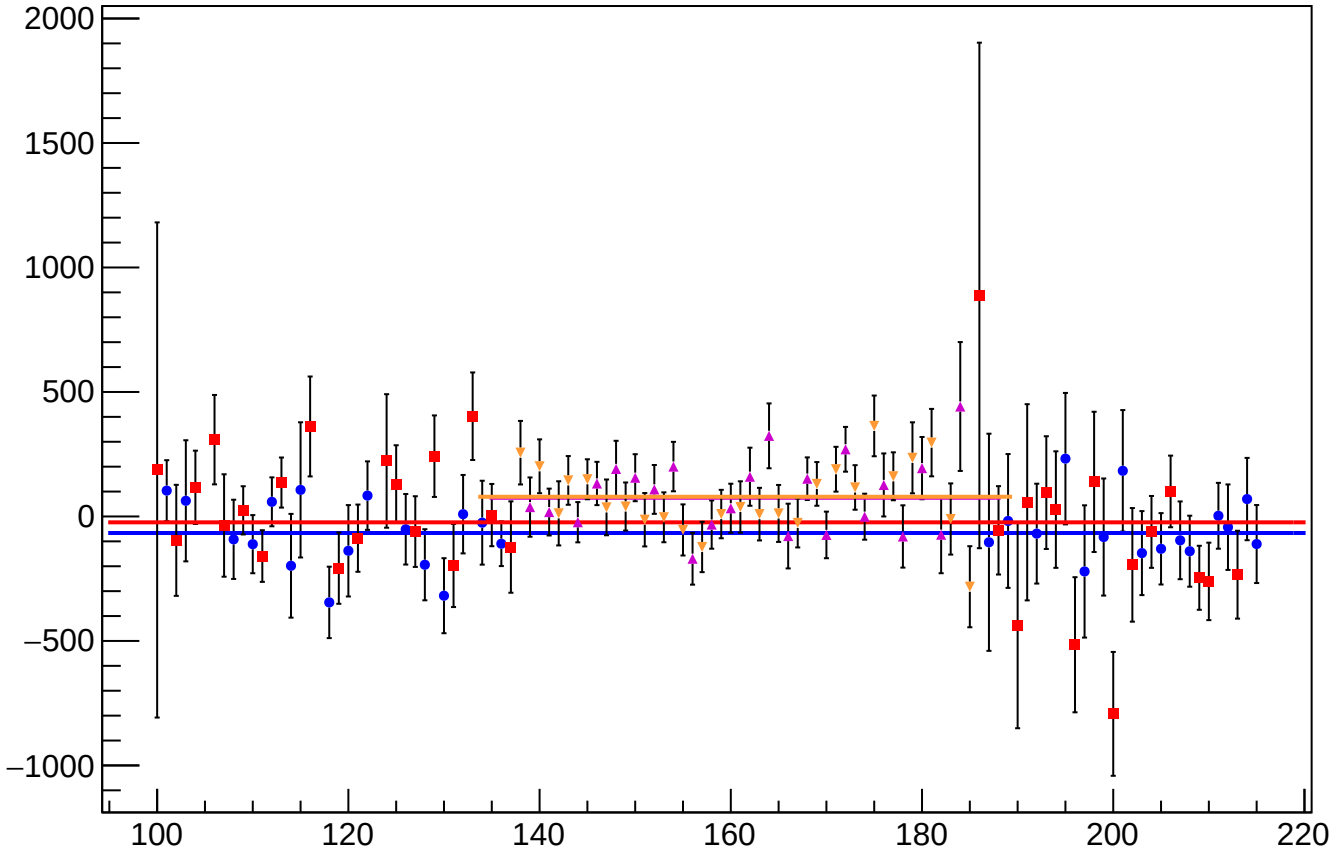
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1381.155+/-0.173 χ^2/NDF: 12364811.2/64

In: 923.839+/-0.116 χ^2/NDF:11528647.9/53

Out: 911.216+/-0.114 χ^2/NDF:12325848.9/58

All: 917.401+/-0.081 χ^2/NDF: 23860514.5/11



Right In: -66.443+/-28.166 χ^2/NDF: 18.6/30

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -23.625+/-28.545 χ^2/NDF: 49.9/33

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

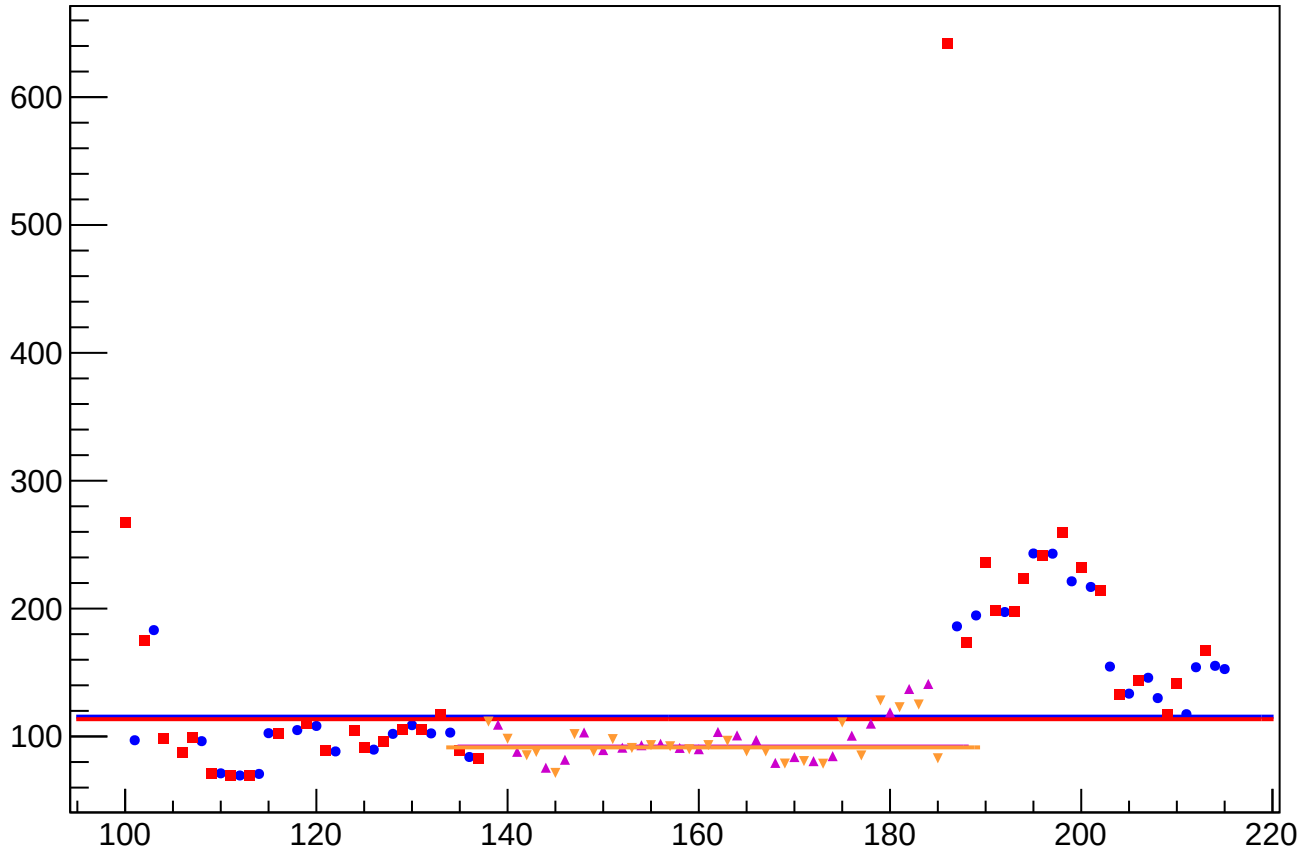
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -45.320+/-20.049 χ^2/NDF: 69.6/64

In: 21.931+/-17.258 χ^2/NDF:67.0/53

Out: 42.803+/-16.969 χ^2/NDF:90.2/58

All: 32.544+/-12.100 χ^2/NDF: 157.9/112



Right In: 115.492+/-0.020 χ^2/NDF: 4309298.4/30

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 113.504+/-0.020 χ^2/NDF: 5654461.0/33

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

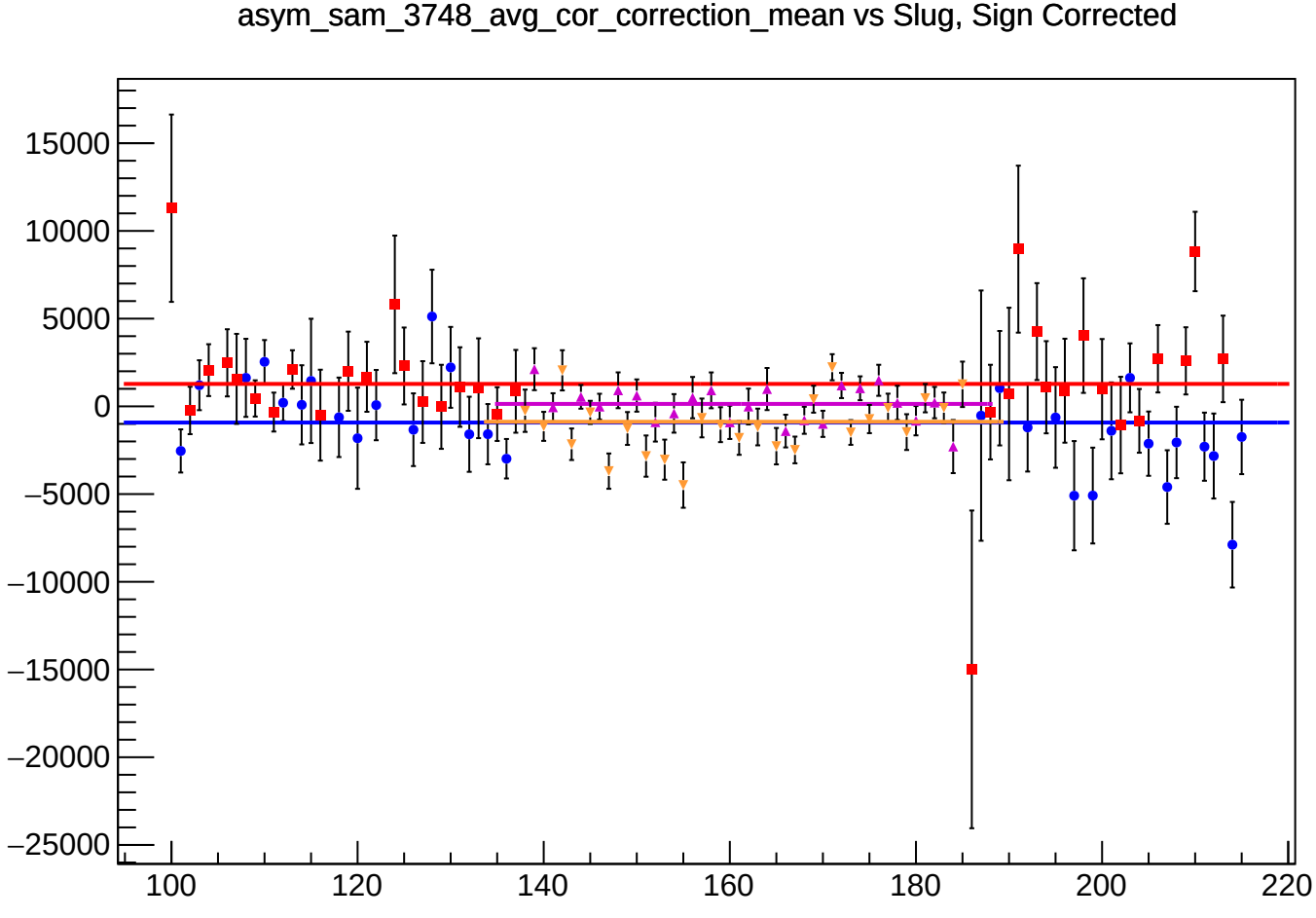
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 114.511+/-0.014 χ^2/NDF: 9968676.0/64

In: 100.882+/-0.012 χ^2/NDF:5870452.9/53

Out: 99.251+/-0.012 χ^2/NDF:7176810.1/58

All: 100.053+/-0.009 χ^2/NDF: 13056346.9/1



Right In: -923.144+/-347.216 χ^2/NDF: 45.3/30

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1278.643+/-345.456 χ^2/NDF: 35.4/33

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

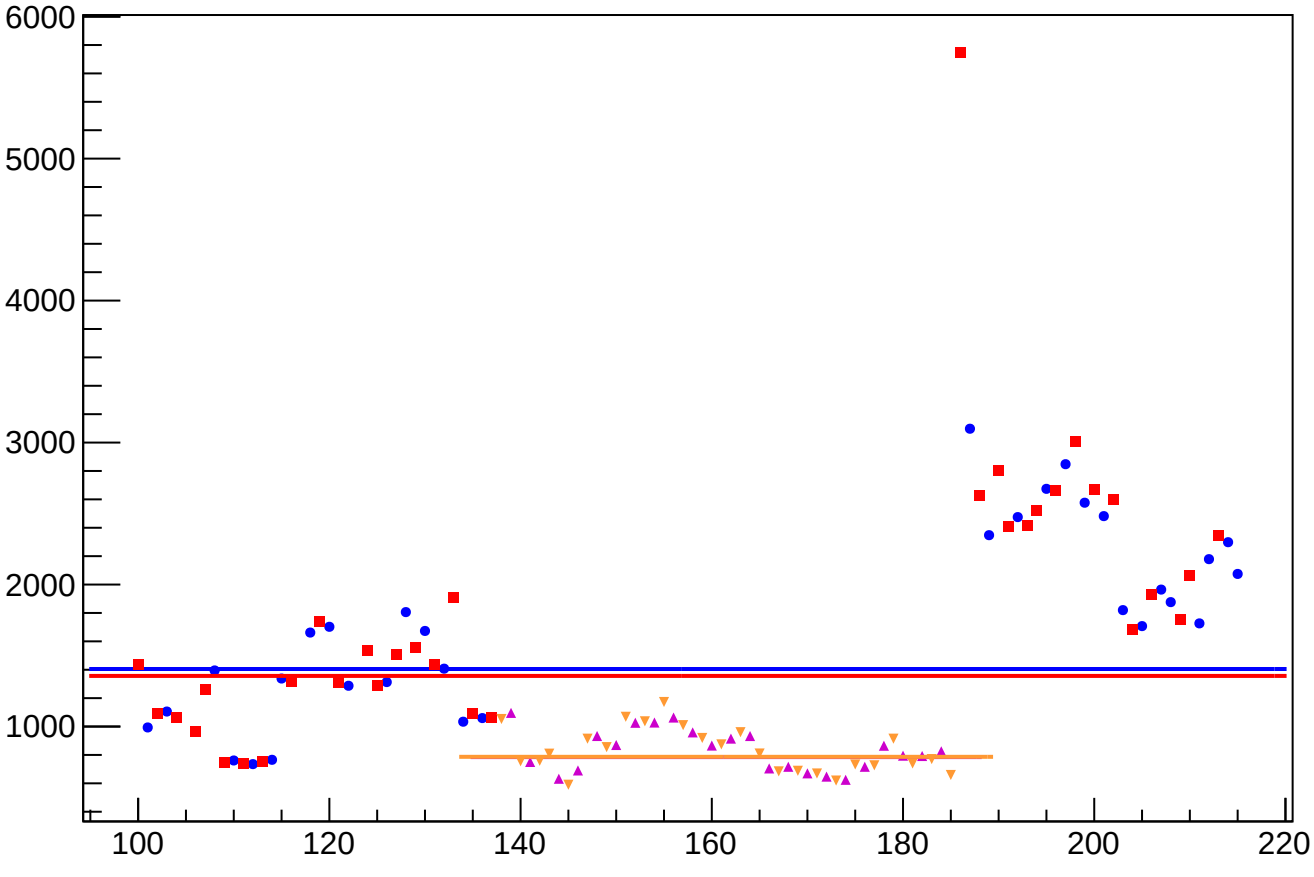
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 183.344+/-244.894 χ^2/NDF: 100.9/64

In: -99.178+/-164.349 χ^2/NDF:76.8/53

Out: -409.051+/-161.150 χ^2/NDF:133.6/58

All: -257.159+/-115.065 χ^2/NDF: 212.2/112



Right In: 1405.277+/-0.246 χ^2/NDF: 5509629.7/30

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1356.545+/-0.244 χ^2/NDF: 6852446.1/33

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

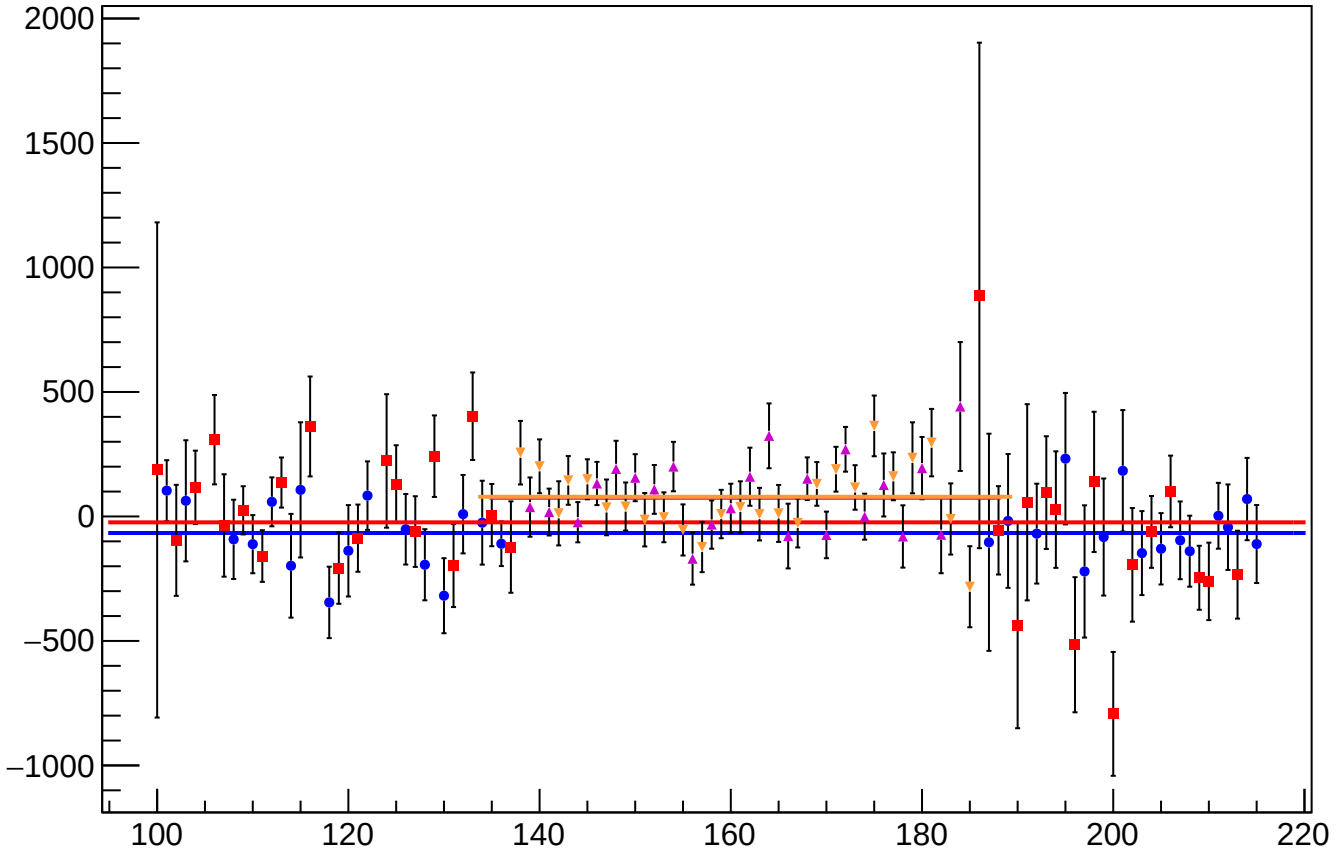
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1380.787+/-0.173 χ^2/NDF: 12381873.5/64

In: 923.841+/-0.116 χ^2/NDF:11528678.6/53

Out: 910.749+/-0.114 χ^2/NDF:12320236.6/58

All: 917.166+/-0.081 χ^2/NDF: 23855385.5/11



Right In: -66.443+/-28.166 χ^2/NDF: 18.6/30

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -23.625+/-28.545 χ^2/NDF: 49.9/33

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

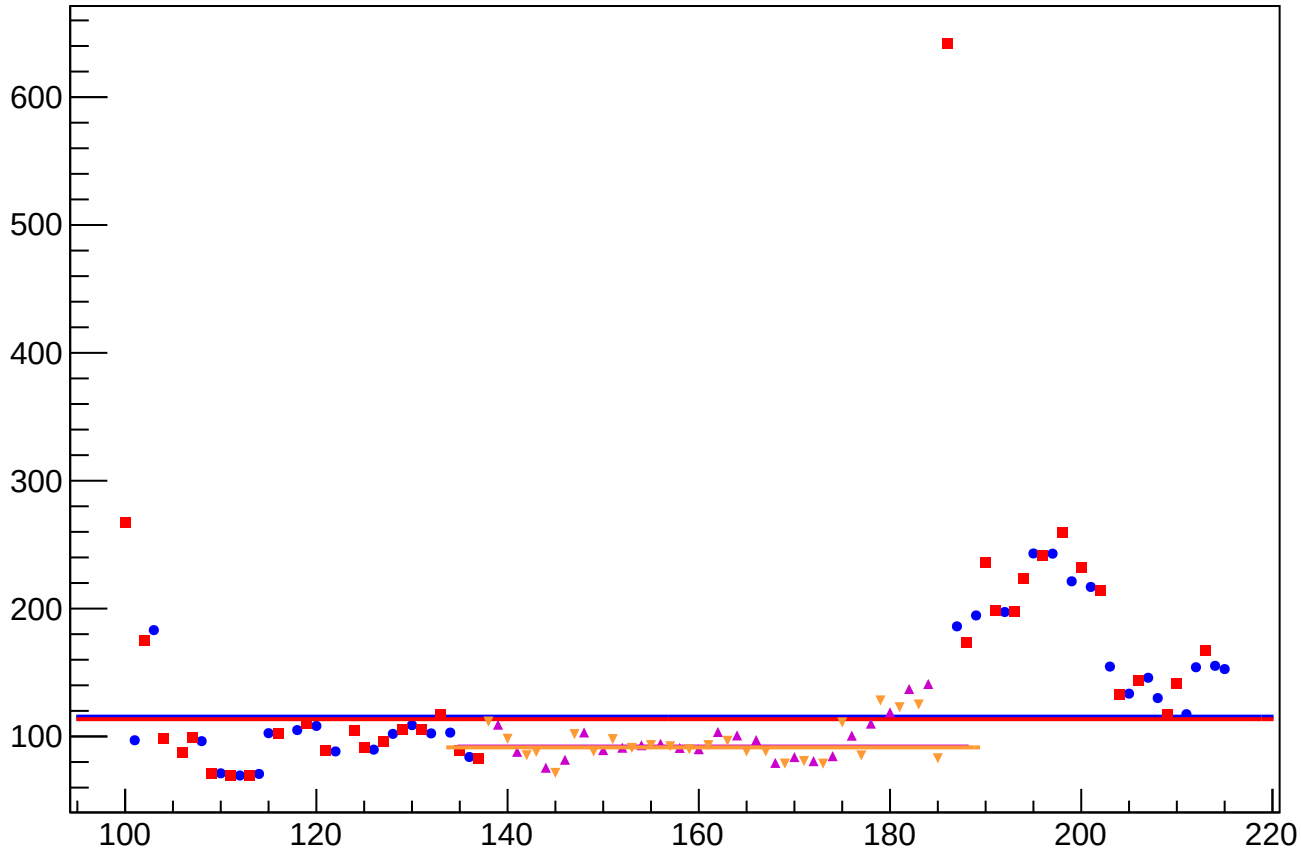
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -45.320+/-20.049 χ^2/NDF: 69.6/64

In: 21.931+/-17.258 χ^2/NDF:67.0/53

Out: 42.803+/-16.969 χ^2/NDF:90.2/58

All: 32.544+/-12.100 χ^2/NDF: 157.9/112



Right In: 115.492+/-0.020 χ^2/NDF: 4309298.4/30

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 113.504+/-0.020 χ^2/NDF: 5654461.0/33

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

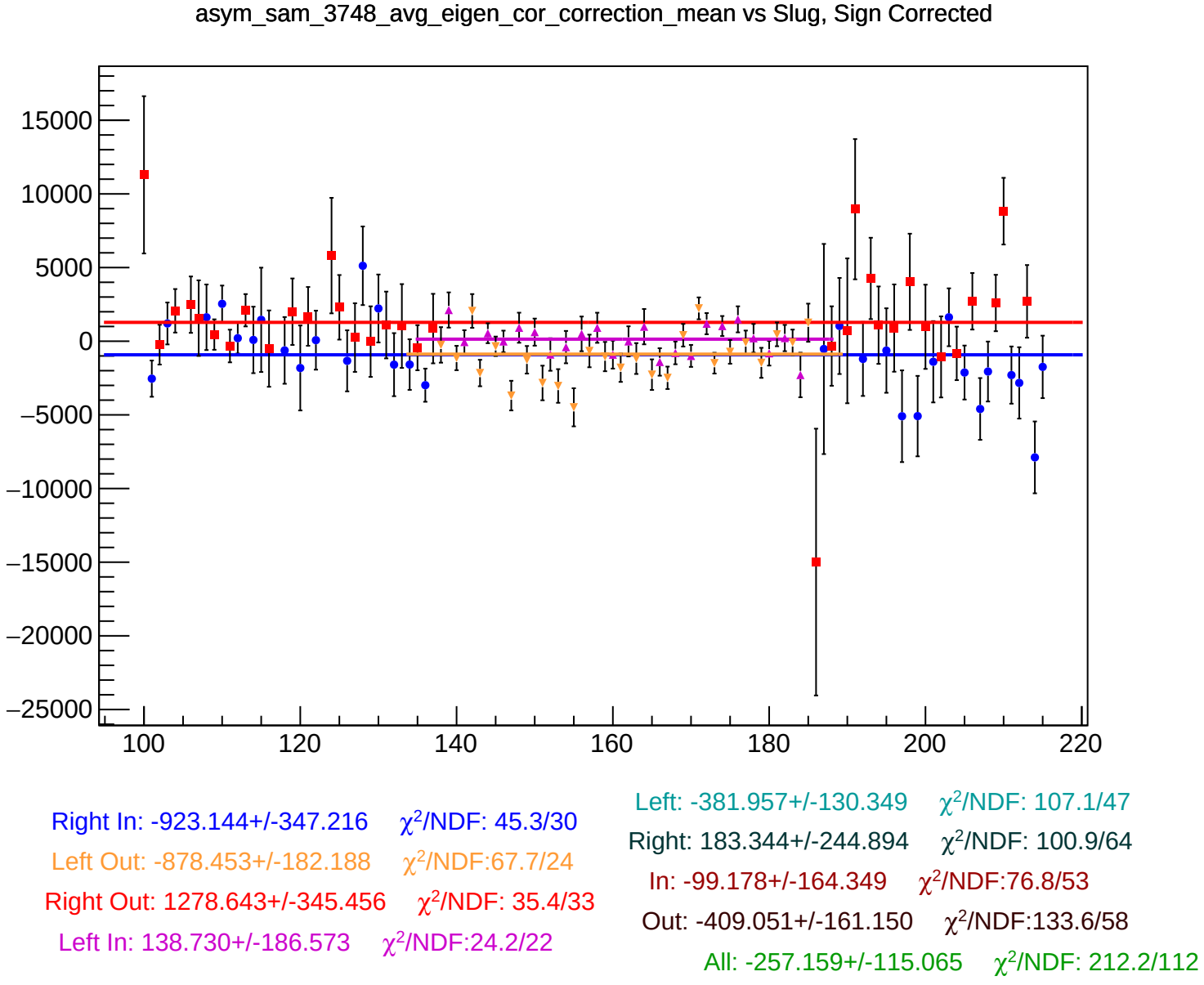
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

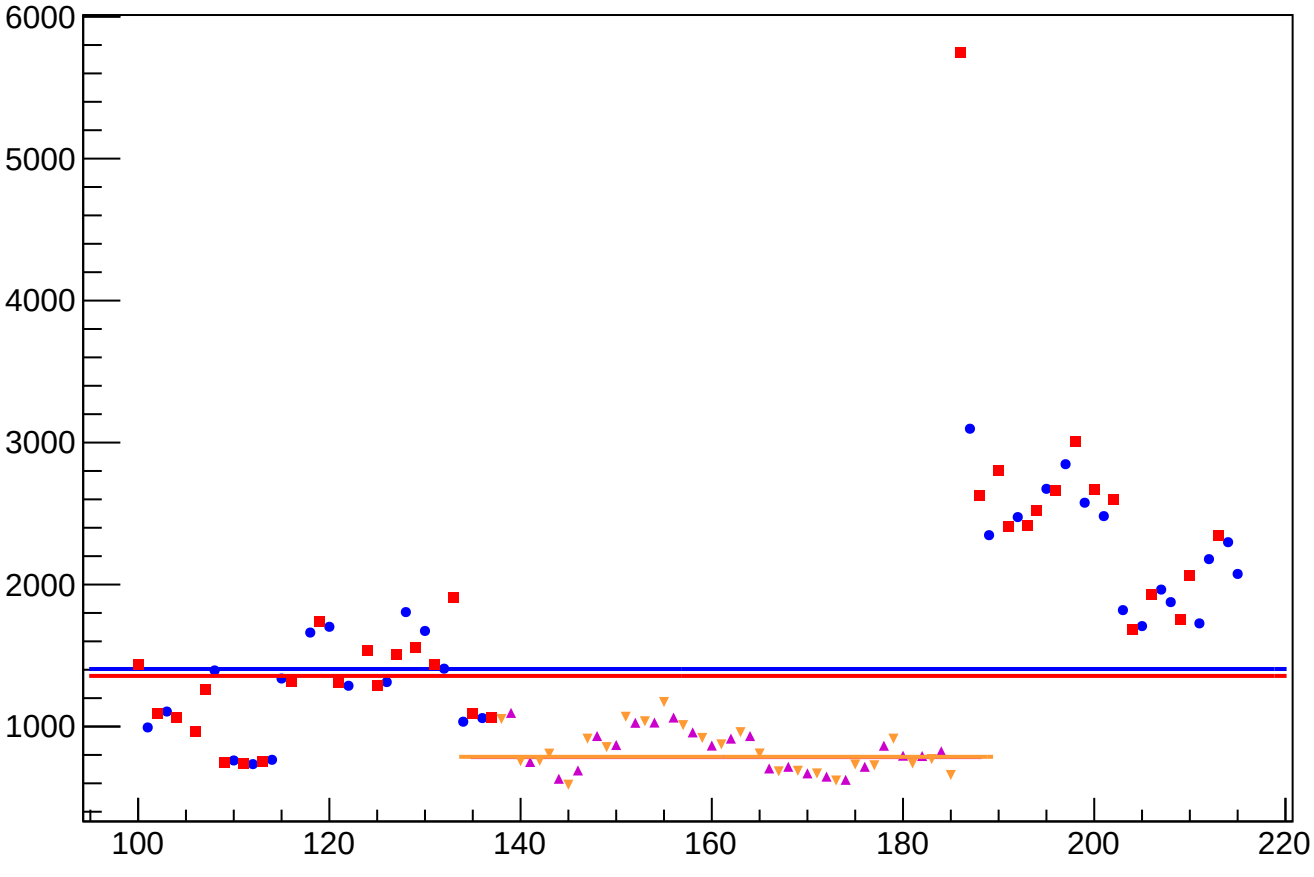
Right: 114.511+/-0.014 χ^2/NDF: 9968676.0/64

In: 100.882+/-0.012 χ^2/NDF:5870452.9/53

Out: 99.251+/-0.012 χ^2/NDF:7176810.1/58

All: 100.053+/-0.009 χ^2/NDF: 13056346.9/1


asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
220
Right In: -923.144+/-347.216 χ²/NDF: 45.3/30
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 1278.643+/-345.456 χ²/NDF: 35.4/33
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 183.344+/-244.894 χ²/NDF: 100.9/64
In: -99.178+/-164.349 χ²/NDF:76.8/53
Out: -409.051+/-161.150 χ²/NDF:133.6/58
All: -257.159+/-115.065 χ²/NDF: 212.2/112



Right In: 1405.277+/-0.246 χ^2/NDF: 5509629.7/30

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1356.545+/-0.244 χ^2/NDF: 6852446.1/33

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

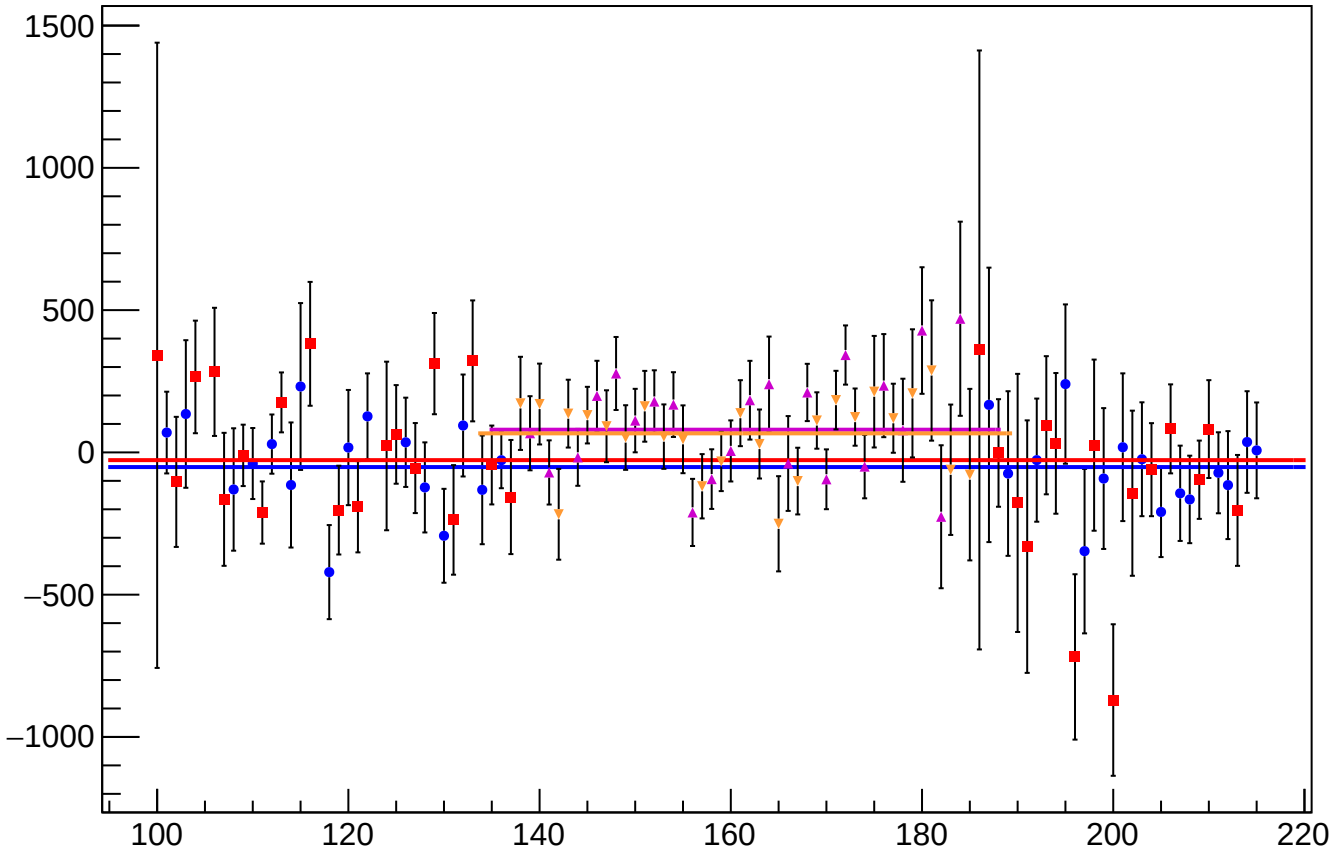
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1380.787+/-0.173 χ^2/NDF: 12381873.5/64

In: 923.841+/-0.116 χ^2/NDF:11528678.6/53

Out: 910.749+/-0.114 χ^2/NDF:12320236.6/58

All: 917.166+/-0.081 χ^2/NDF: 23855385.5/11



Right In: -51.560+/-31.043 χ^2/NDF: 17.8/30

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -27.173+/-31.640 χ^2/NDF: 44.3/33

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

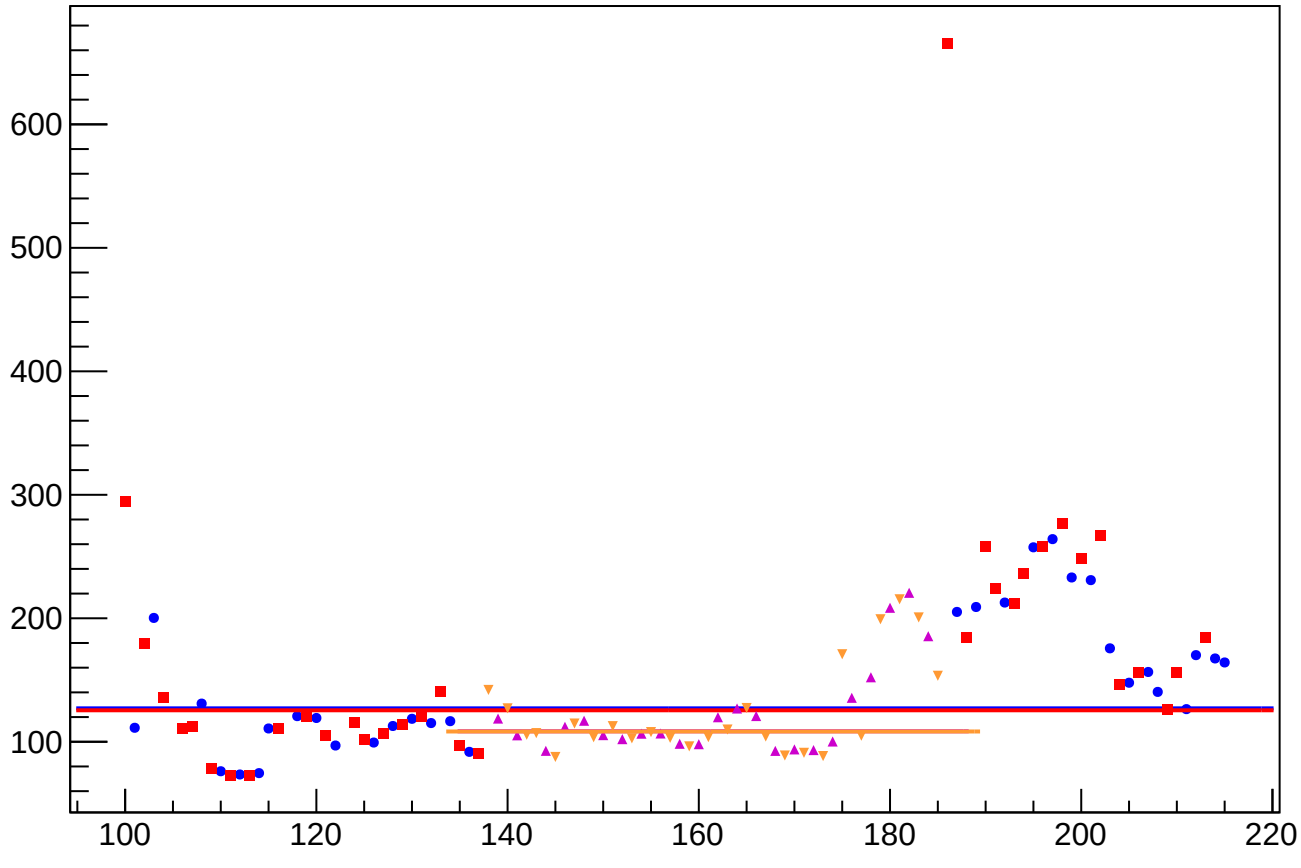
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -39.599+/-22.159 χ^2/NDF: 62.4/64

In: 24.895+/-20.066 χ^2/NDF:65.2/53

Out: 29.707+/-19.894 χ^2/NDF:69.2/58

All: 27.322+/-14.128 χ^2/NDF: 134.5/112



Right In: 127.058+/-0.022 χ^2/NDF: 4236975.4/30

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 125.502+/-0.022 χ^2/NDF: 5625230.9/33

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

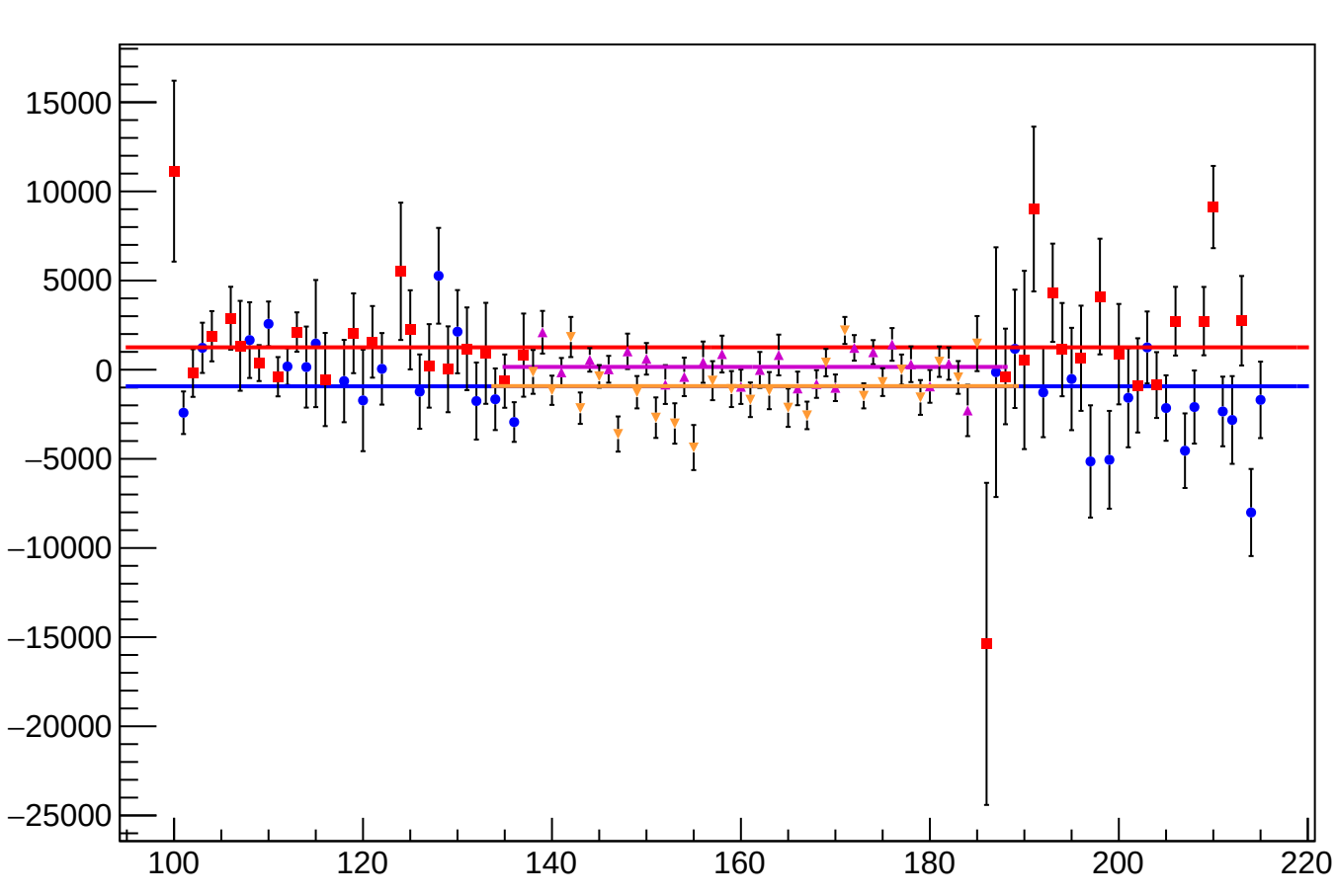
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 126.295+/-0.016 χ^2/NDF: 9864670.8/64

In: 116.249+/-0.014 χ^2/NDF:6032819.0/53

Out: 115.119+/-0.014 χ^2/NDF:7756022.3/58

All: 115.679+/-0.010 χ^2/NDF: 13792044.4/11



Right In: -931.542+/-346.596 χ^2/NDF: 45.1/30

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 1254.491+/-342.061 χ^2/NDF: 37.6/33

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

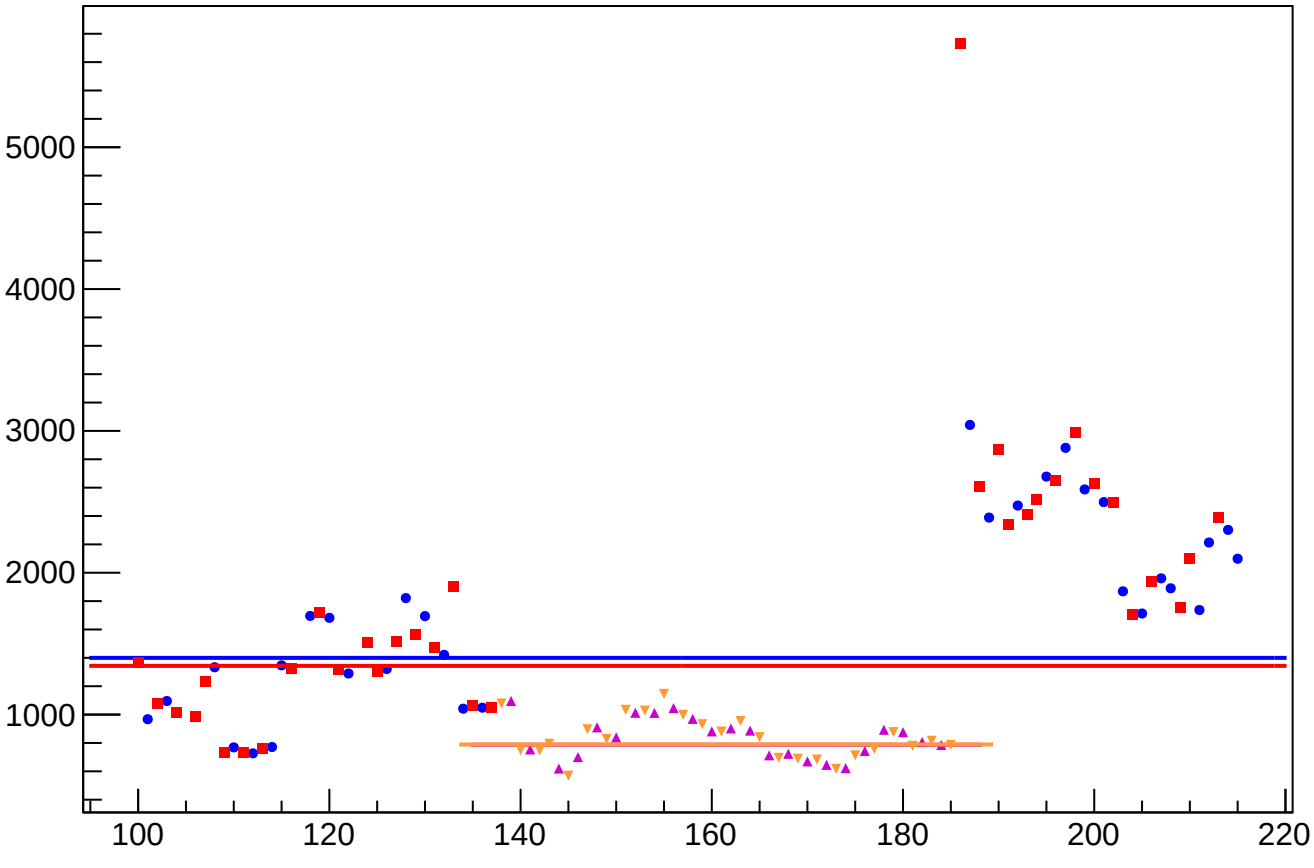
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 175.872+/-243.461 χ^2/NDF: 102.8/64

In: -89.535+/-164.653 χ^2/NDF:75.8/53

Out: -437.348+/-160.990 χ^2/NDF:133.1/58

All: -267.354+/-115.110 χ^2/NDF: 211.2/112



Right In: 1399.925+/-0.245 χ^2/NDF: 5669945.2/30

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1343.569+/-0.242 χ^2/NDF: 6967312.0/33

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

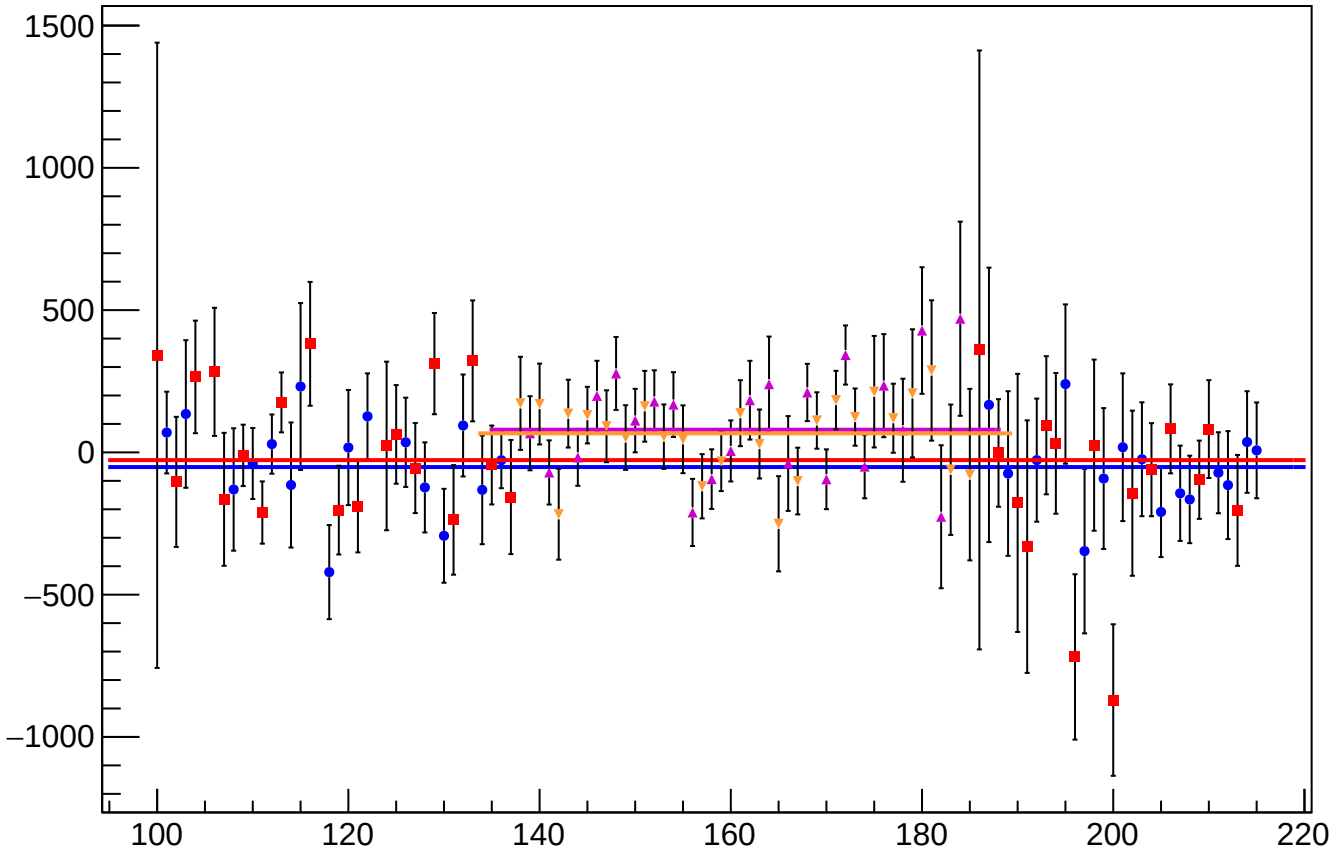
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1371.376+/-0.172 χ^2/NDF: 12664043.9/64

In: 925.627+/-0.116 χ^2/NDF:11548216.8/53

Out: 912.036+/-0.114 χ^2/NDF:12232934.2/58

All: 918.679+/-0.081 χ^2/NDF: 23788117.8/11



Right In: -51.558+/-31.043 χ^2/NDF: 17.8/30

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -27.176+/-31.640 χ^2/NDF: 44.3/33

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

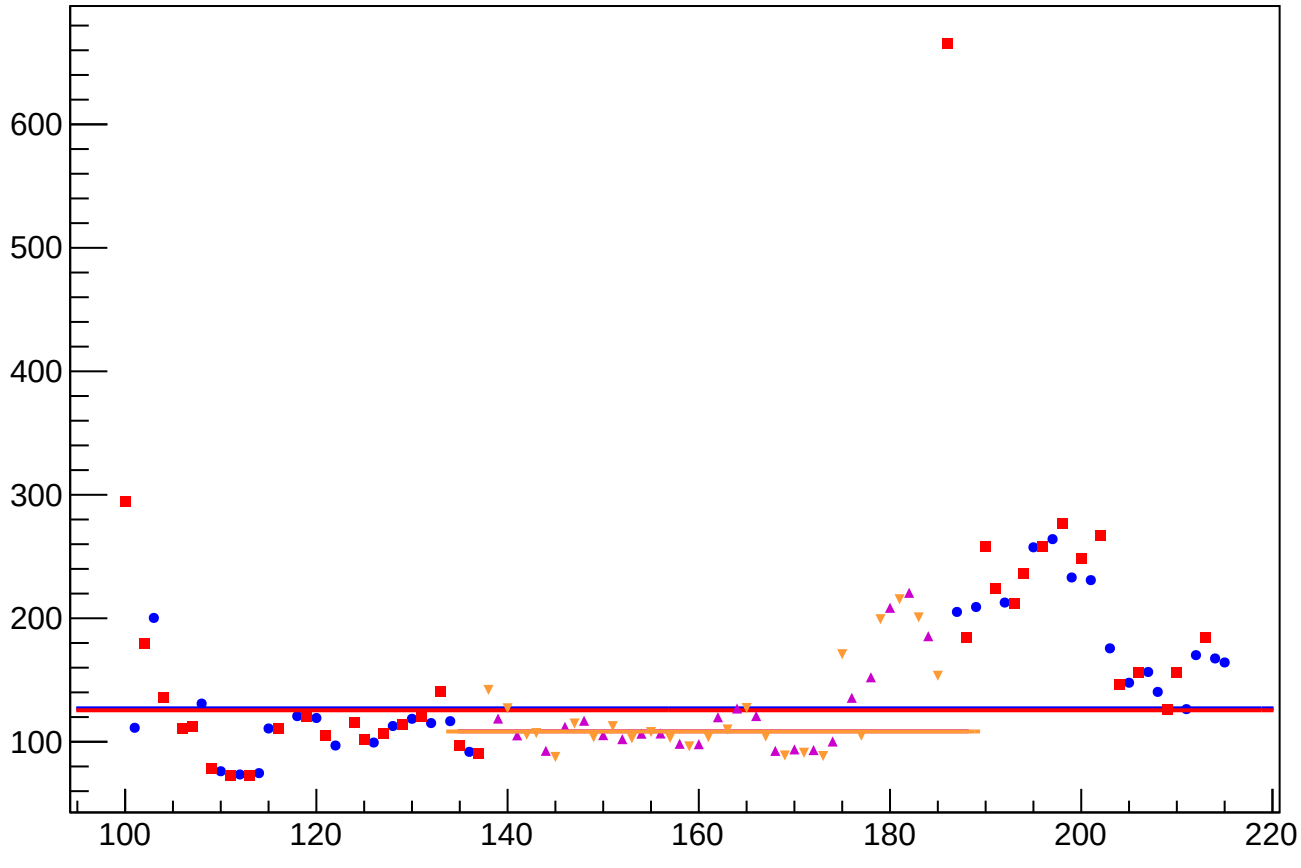
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -39.599+/-22.159 χ^2/NDF: 62.4/64

In: 24.896+/-20.066 χ^2/NDF:65.2/53

Out: 29.707+/-19.894 χ^2/NDF:69.2/58

All: 27.322+/-14.128 χ^2/NDF: 134.5/112



Right In: 127.058+/-0.022 χ^2/NDF: 4236958.4/30

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 125.502+/-0.022 χ^2/NDF: 5625231.3/33

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

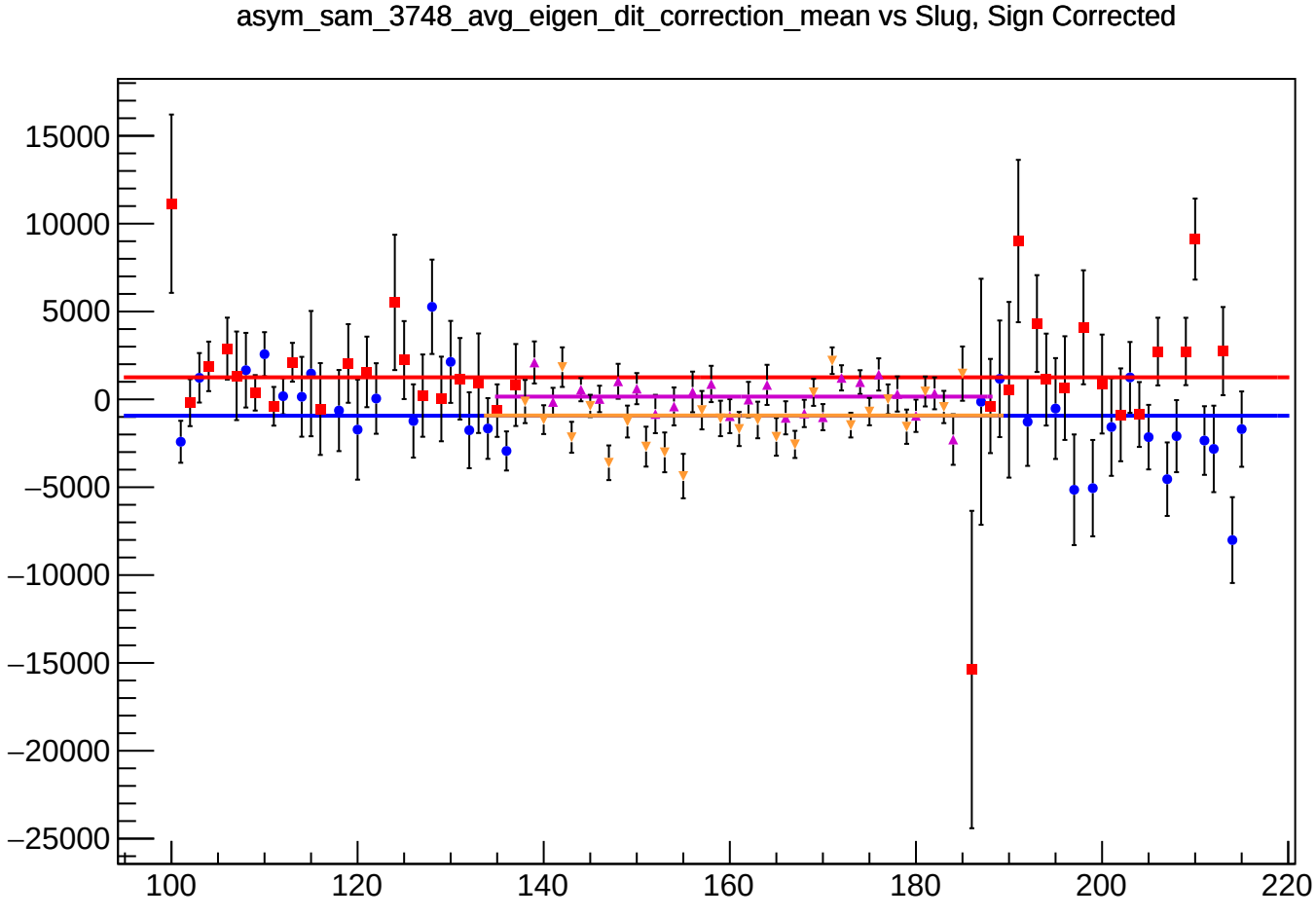
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 126.295+/-0.016 χ^2/NDF: 9864654.2/64

In: 116.250+/-0.014 χ^2/NDF:6032774.1/53

Out: 115.119+/-0.014 χ^2/NDF:7756009.5/58

All: 115.679+/-0.010 χ^2/NDF: 13791986.6/1



Right In: -931.539+/-346.596 χ^2/NDF: 45.1/30

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 1254.489+/-342.060 χ^2/NDF: 37.6/33

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

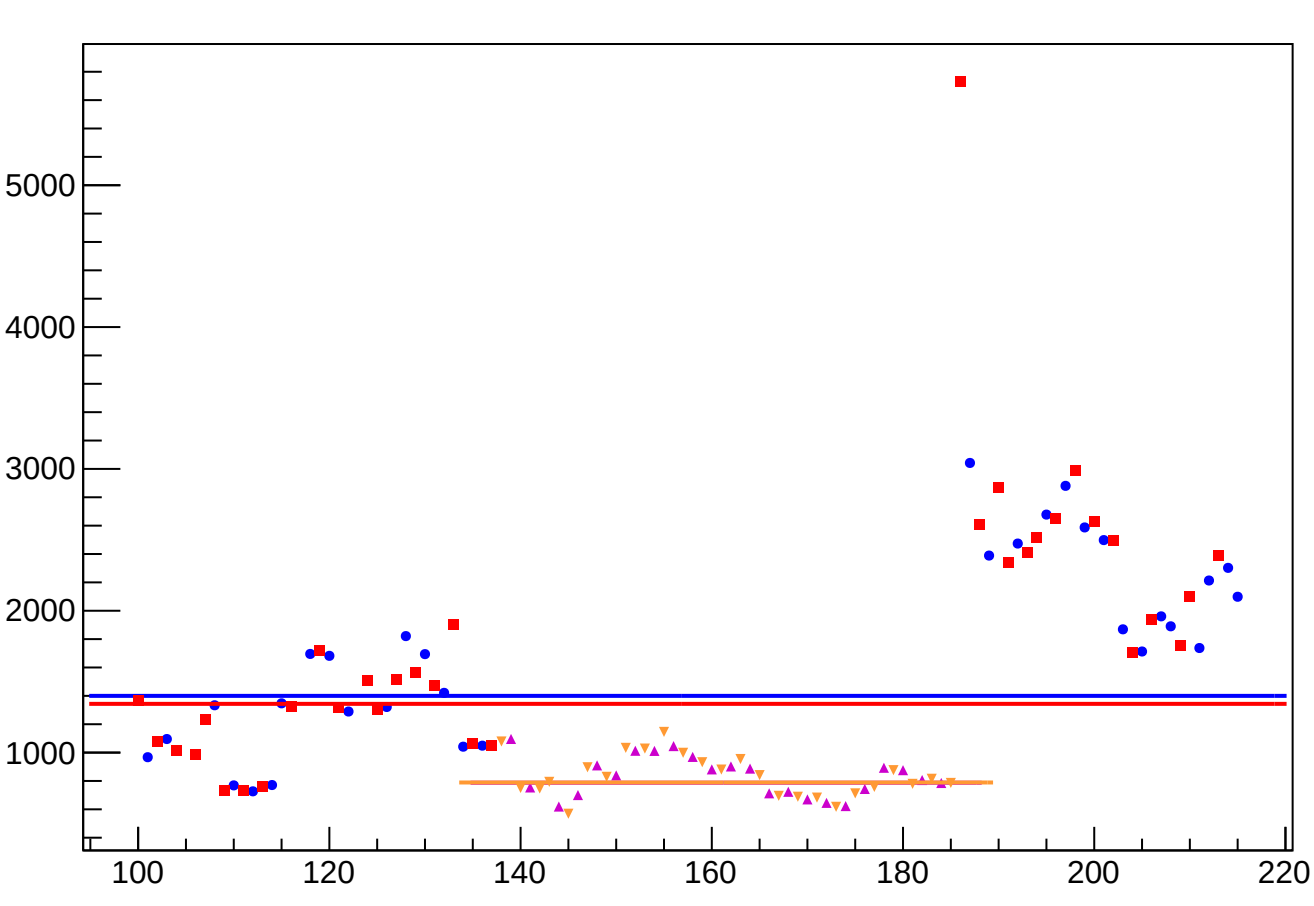
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 175.872+/-243.461 χ^2/NDF: 102.8/64

In: -89.535+/-164.653 χ^2/NDF:75.8/53

Out: -437.348+/-160.989 χ^2/NDF:133.1/58

All: -267.354+/-115.110 χ^2/NDF: 211.2/112



Right In: 1399.923+/-0.245 χ^2/NDF: 5669958.1/30

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1343.567+/-0.242 χ^2/NDF: 6967320.1/33

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

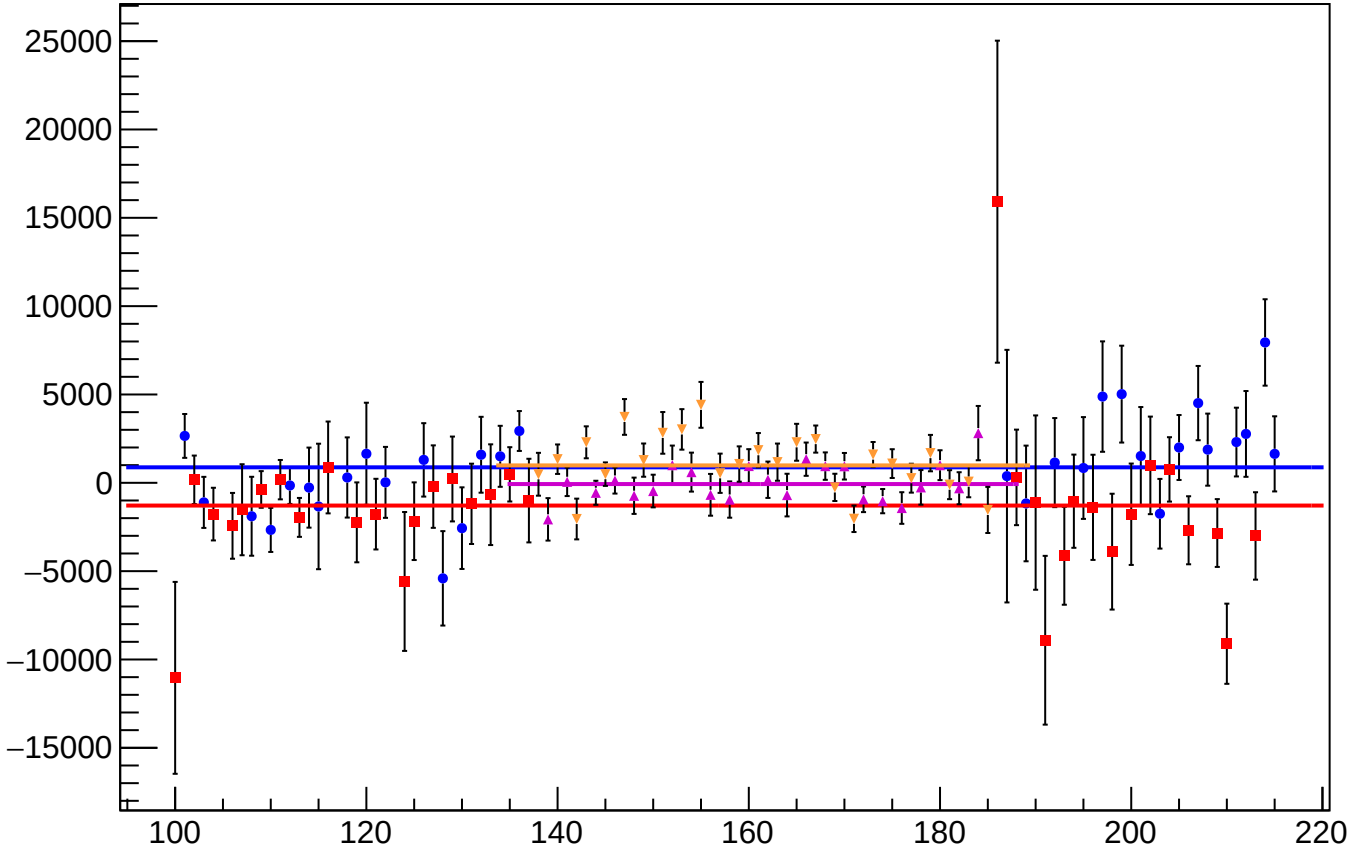
Right: 1371.374+/-0.172 χ^2/NDF: 12664064.7/64

In: 925.625+/-0.116 χ^2/NDF:11548230.7/53

Out: 912.034+/-0.114 χ^2/NDF:12232948.1/58

All: 918.677+/-0.081 χ^2/NDF: 23788145.6/11

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 876.986+/-348.842 χ^2/NDF: 46.2/30

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -1286.982+/-346.679 χ^2/NDF: 35.7/33

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

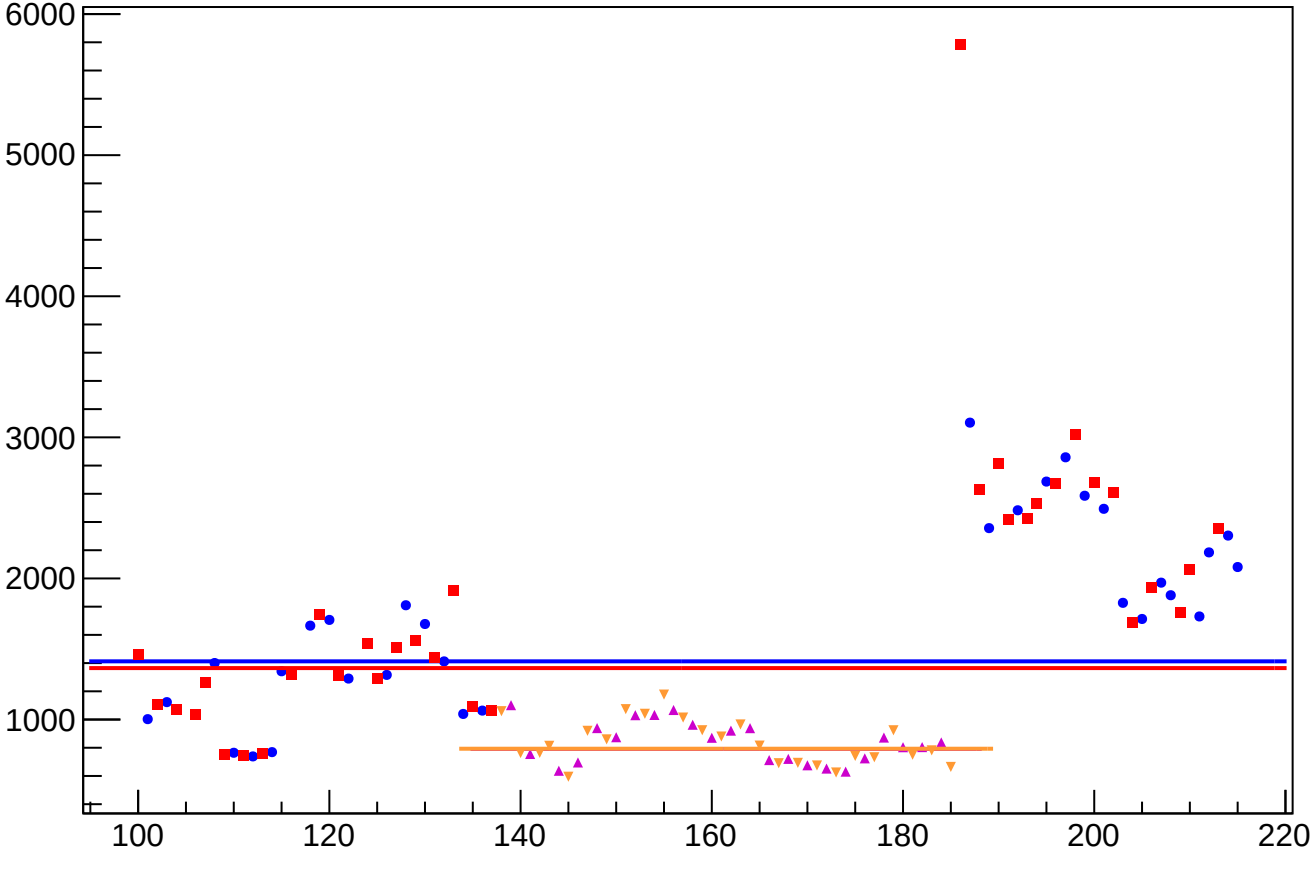
Right: -211.726+/-245.900 χ^2/NDF: 101.2/64

In: 143.134+/-165.521 χ^2/NDF:76.3/53

Out: 487.857+/-162.252 χ^2/NDF:132.9/58

All: 318.933+/-115.868 χ^2/NDF: 211.5/112

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1412.498+/-0.247 χ^2/NDF: 5480458.4/30

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1364.574+/-0.245 χ^2/NDF: 6809856.0/33

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

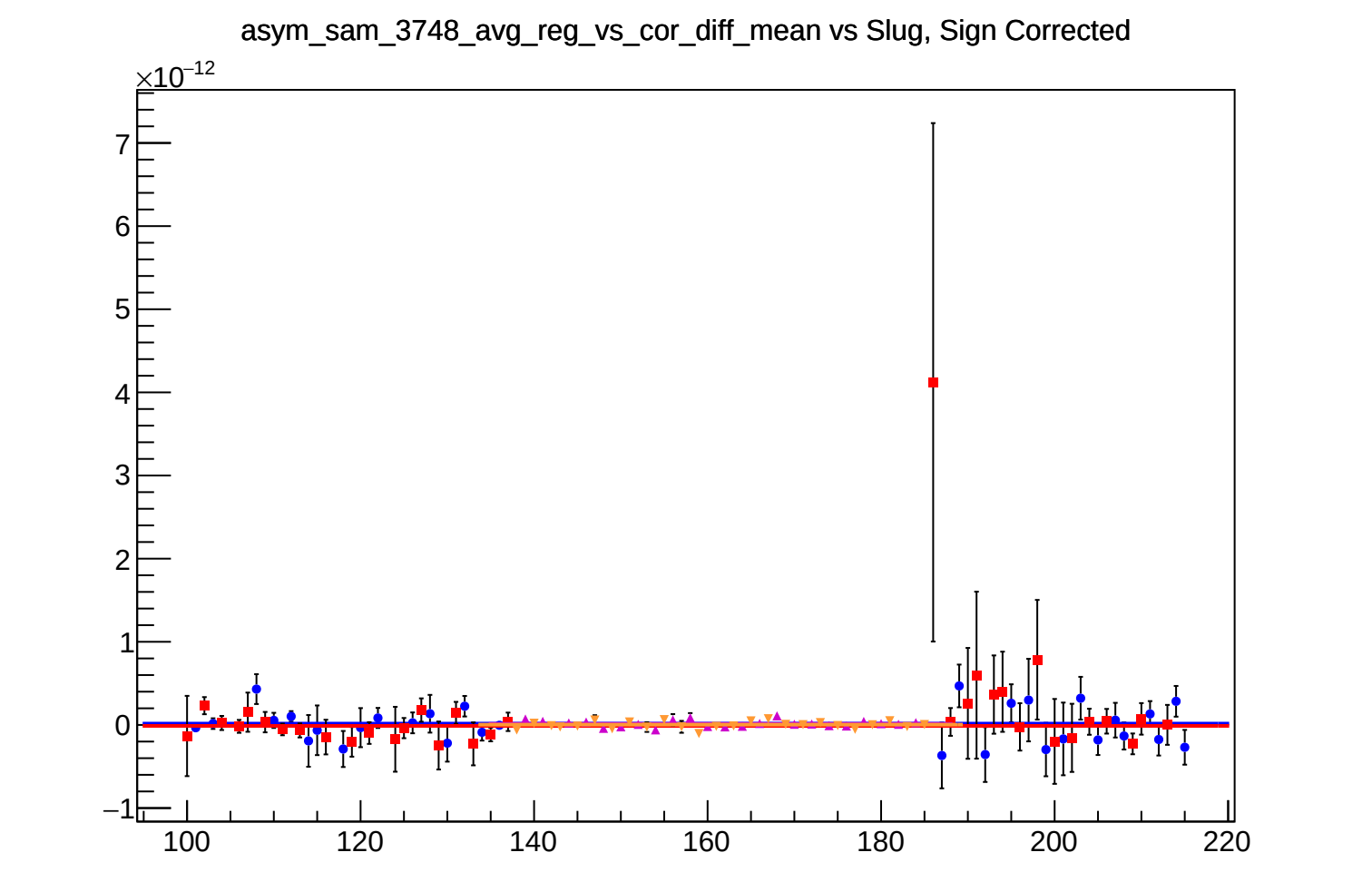
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1388.387+/-0.174 χ^2/NDF: 12309305.2/64

In: 931.043+/-0.117 χ^2/NDF:11446108.0/53

Out: 918.237+/-0.115 χ^2/NDF:12248757.8/58

All: 924.513+/-0.082 χ^2/NDF: 23700970.6/11



Right In: 0.000+/-0.000 χ^2/NDF: 33.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/33

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

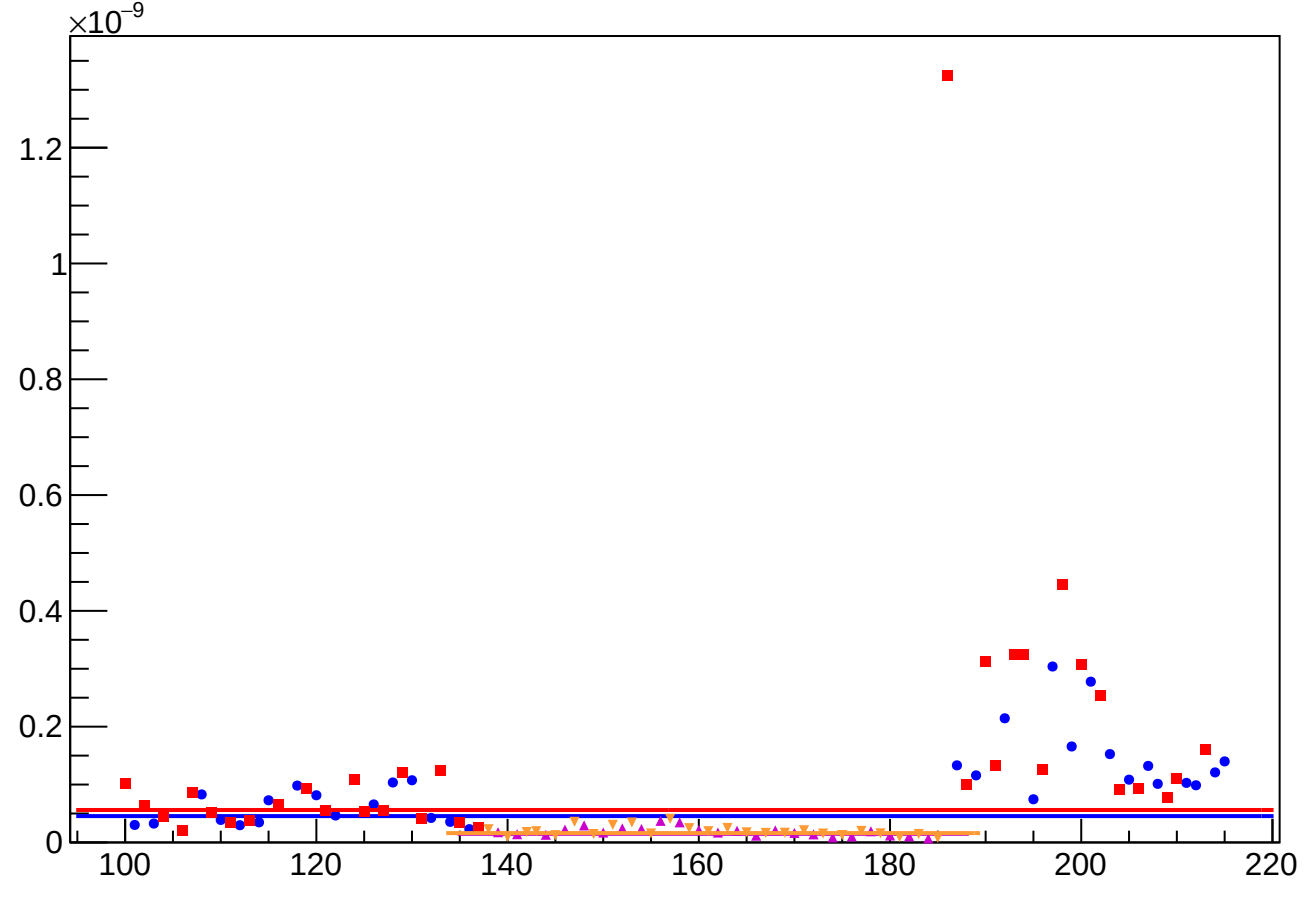
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 59.0/64

In: 0.000+/-0.000 χ^2/NDF:59.1/53

Out: 0.000+/-0.000 χ^2/NDF:58.8/58

All: 0.000+/-0.000 χ^2/NDF: 119.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 6225756.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6002247.8/33

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

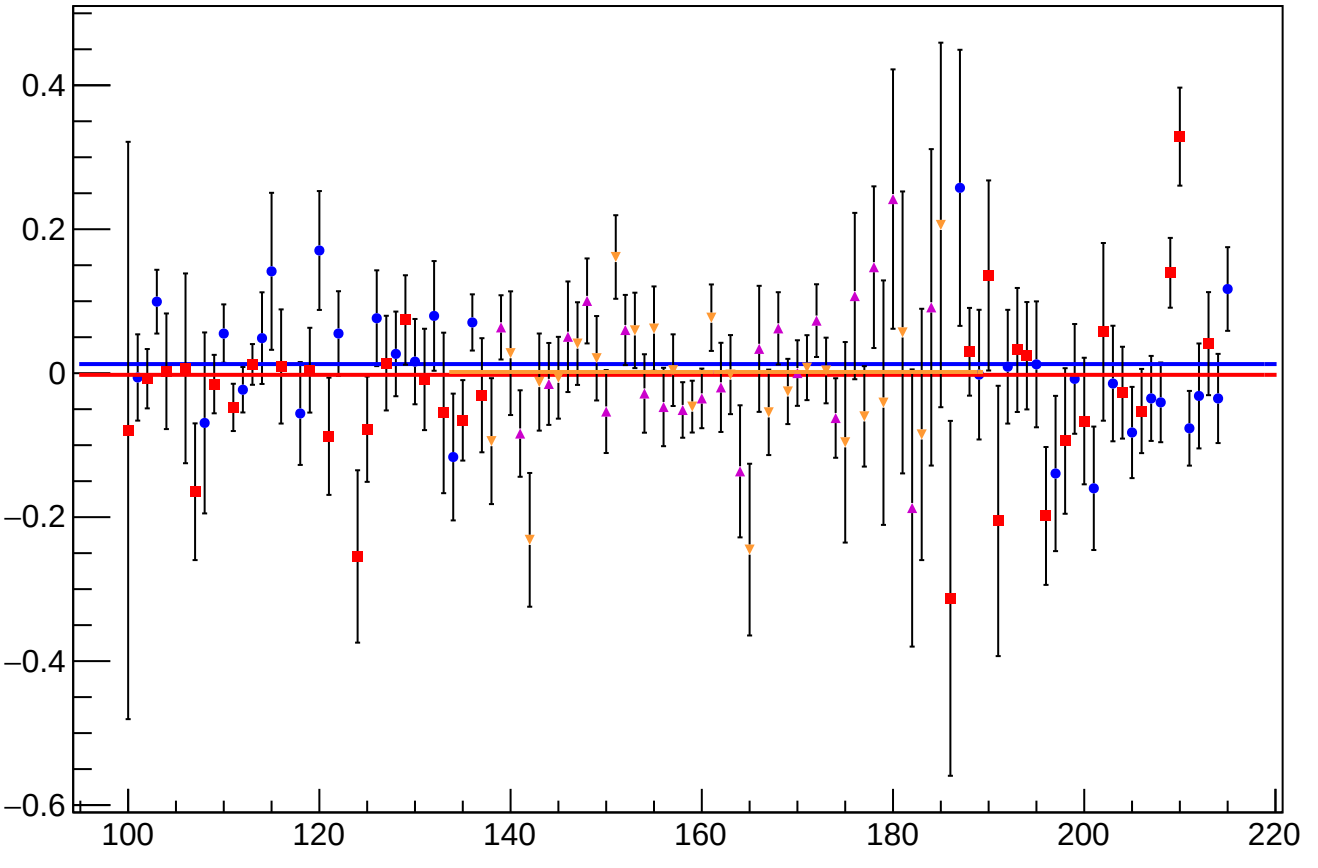
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 12445880.8/64

In: 0.000+/-0.000 χ^2/NDF:11987982.8/53

Out: 0.000+/-0.000 χ^2/NDF:12639557.5/58

All: 0.000+/-0.000 χ^2/NDF: 24663457.7/112



Right In: 0.013+/-0.011 χ^2/NDF: 38.5/30

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.002+/-0.011 χ^2/NDF: 58.7/33

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

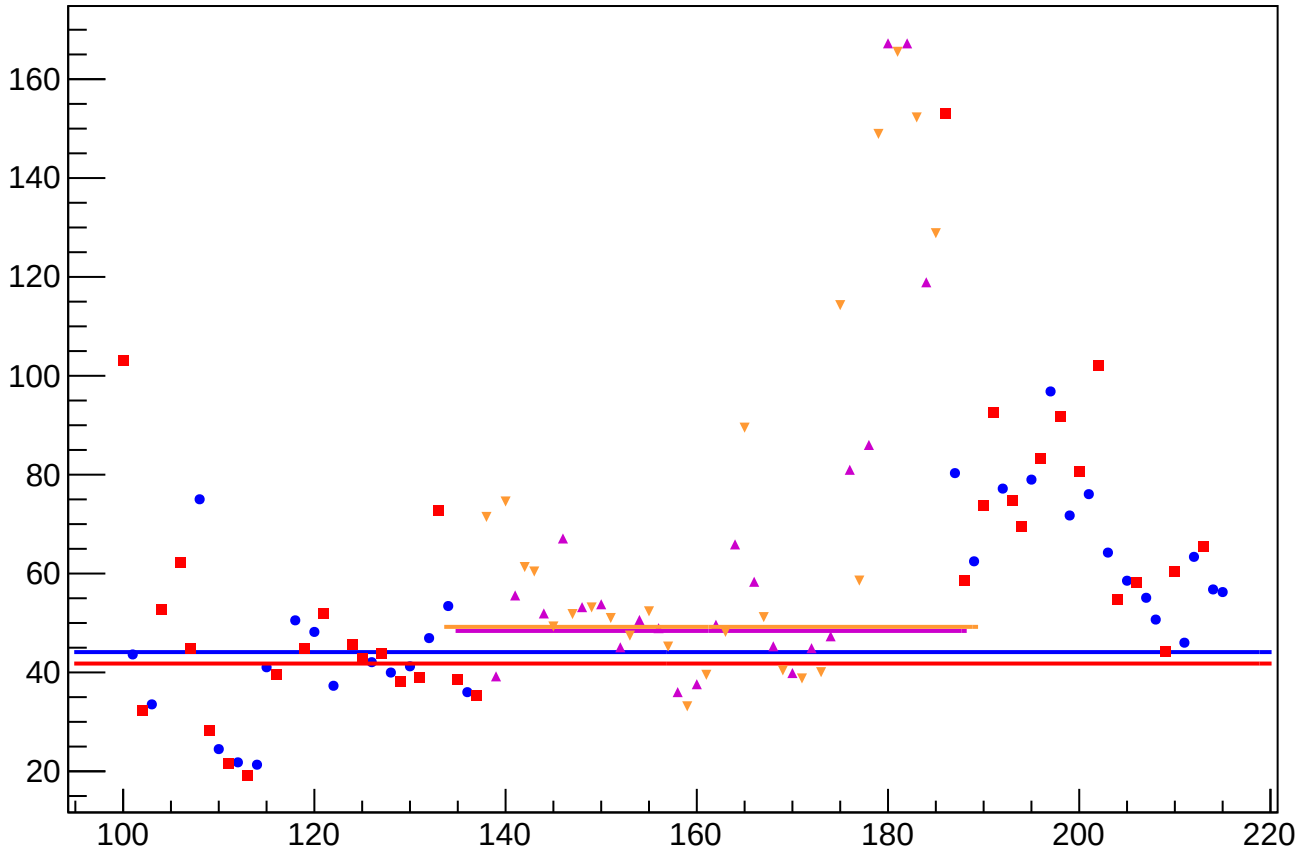
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.005+/-0.008 χ^2/NDF: 98.1/64

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.004+/-0.006 χ^2/NDF: 154.6/112



Right In: 44.112+/-0.008 χ^2/NDF: 4616873.1/30

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 41.794+/-0.008 χ^2/NDF: 6467618.3/33

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

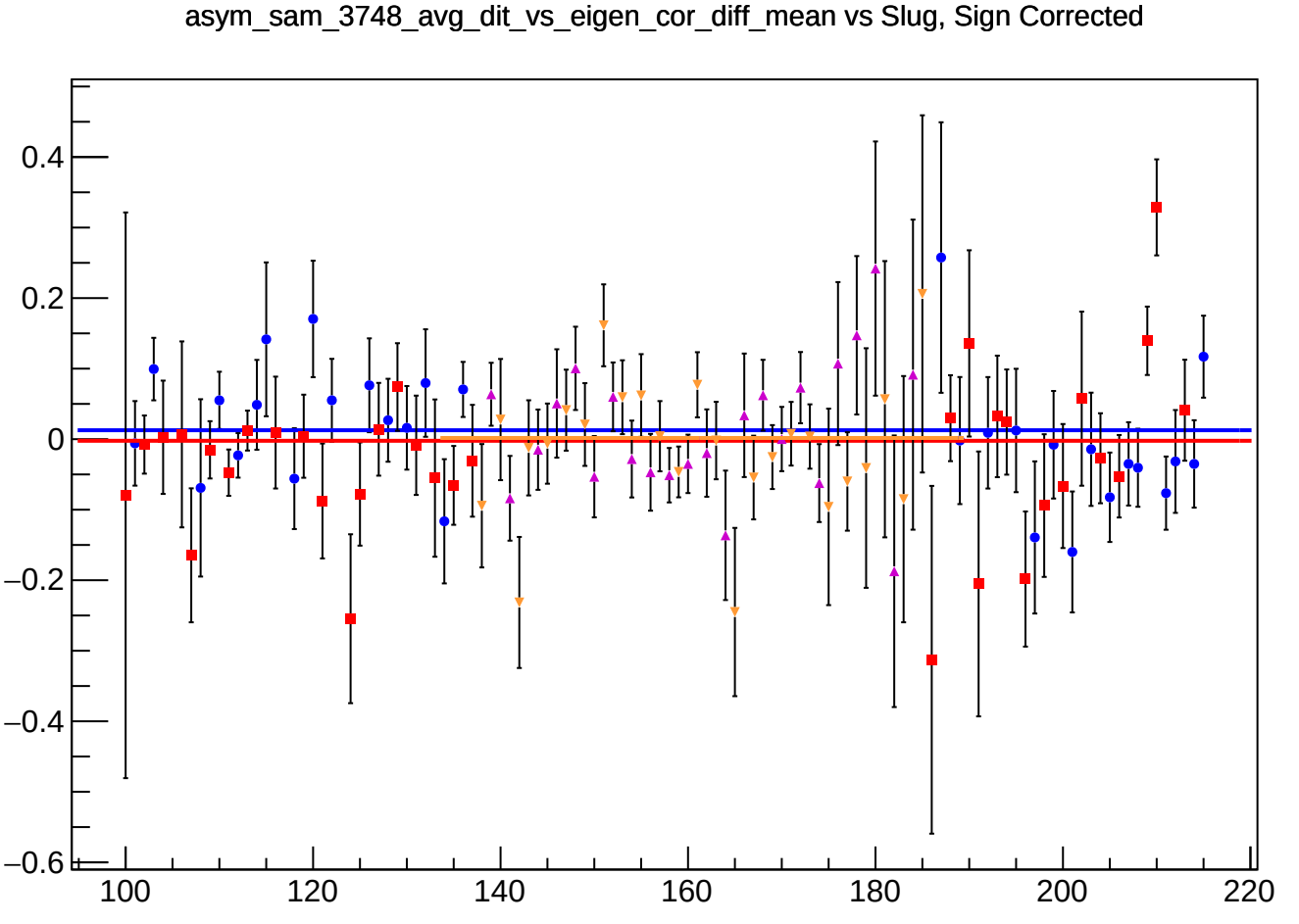
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 42.945+/-0.006 χ^2/NDF: 11128607.9/64

In: 46.017+/-0.006 χ^2/NDF:7783008.9/53

Out: 45.092+/-0.006 χ^2/NDF:11044107.4/58

All: 45.551+/-0.004 χ^2/NDF: 18839753.1/112



Right In: 0.013+/-0.011 χ^2/NDF: 38.5/30

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.002+/-0.011 χ^2/NDF: 58.7/33

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

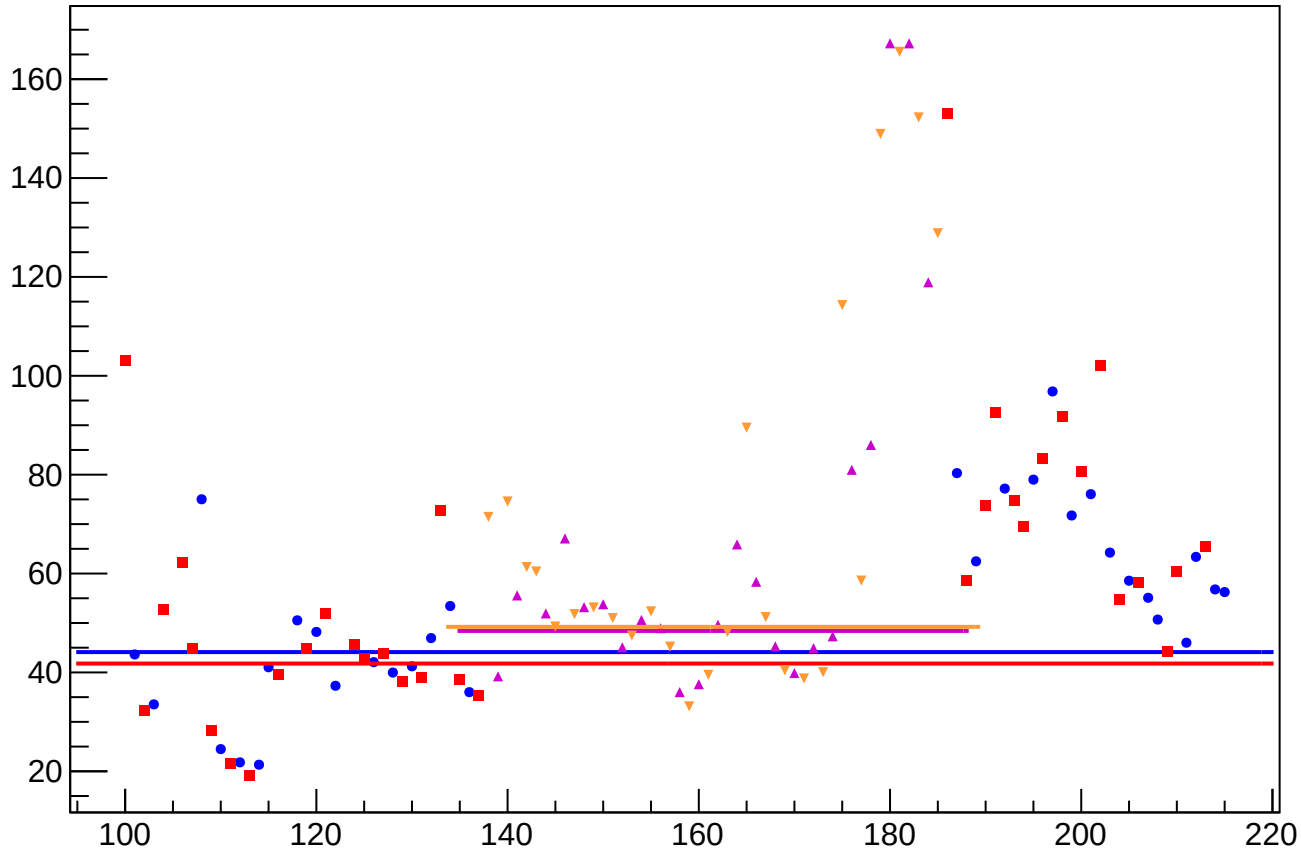
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.005+/-0.008 χ^2/NDF: 98.1/64

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.004+/-0.006 χ^2/NDF: 154.6/112



Right In: 44.112+/-0.008 χ^2/NDF: 4616873.1/30

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 41.794+/-0.008 χ^2/NDF: 6467618.3/33

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

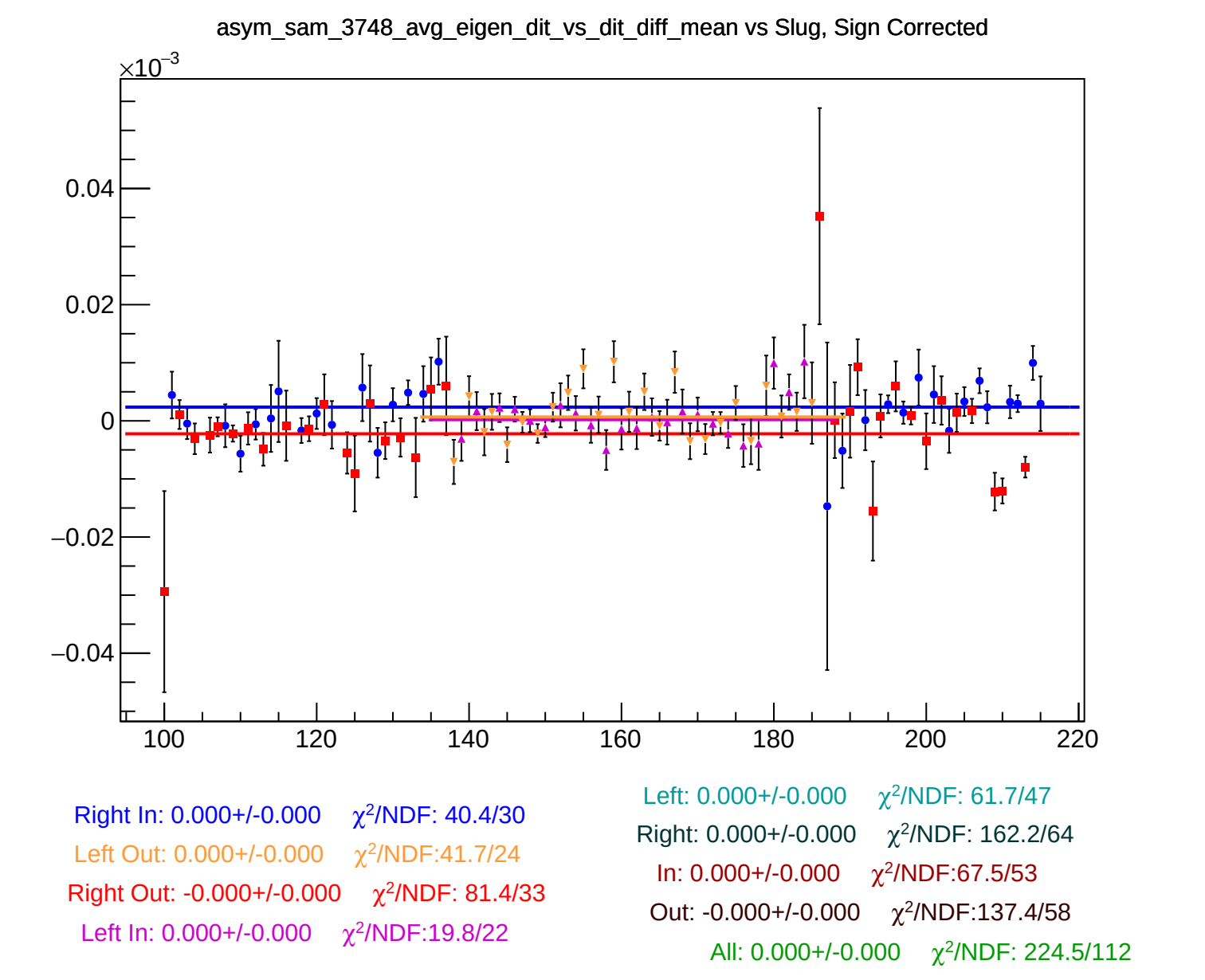
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

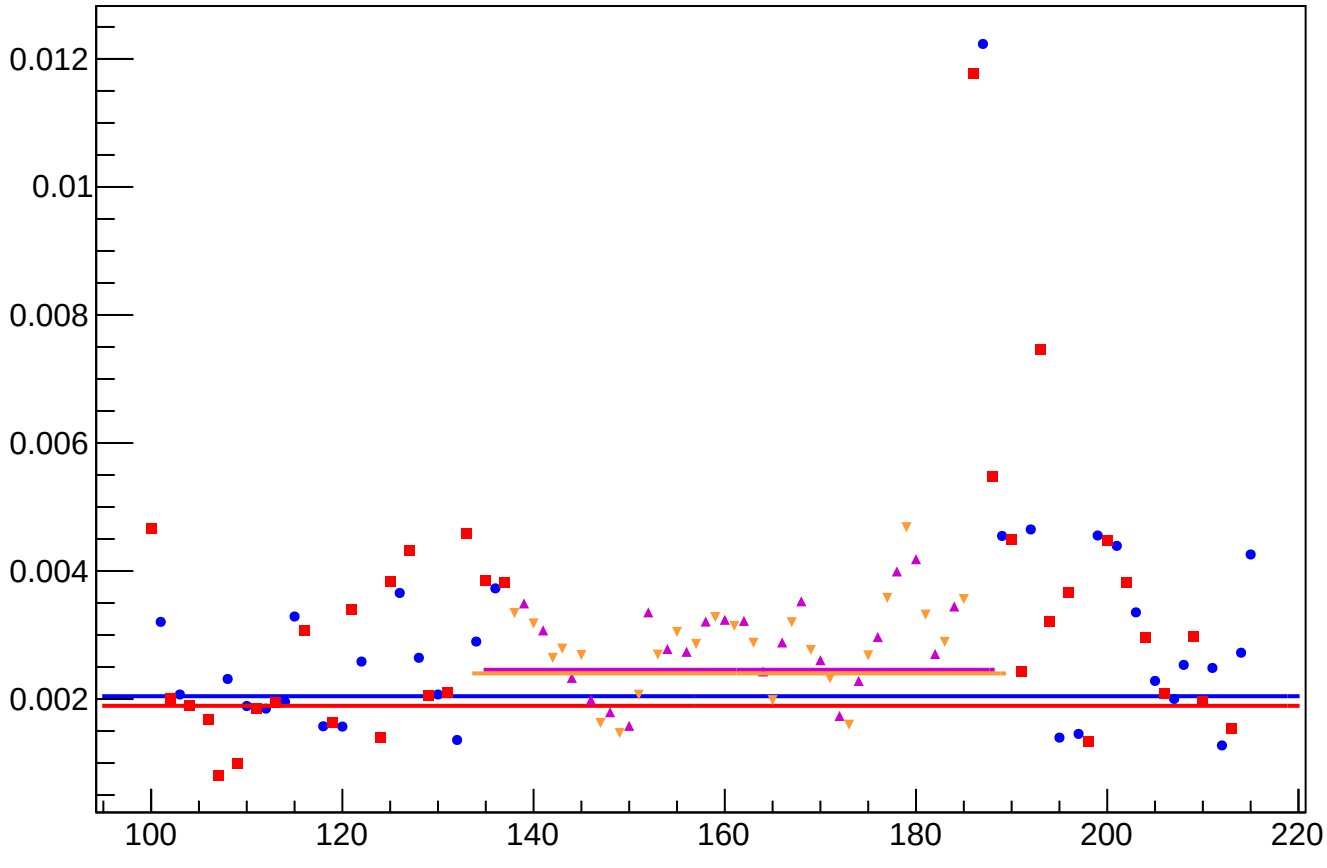
Right: 42.945+/-0.006 χ^2/NDF: 11128607.9/64

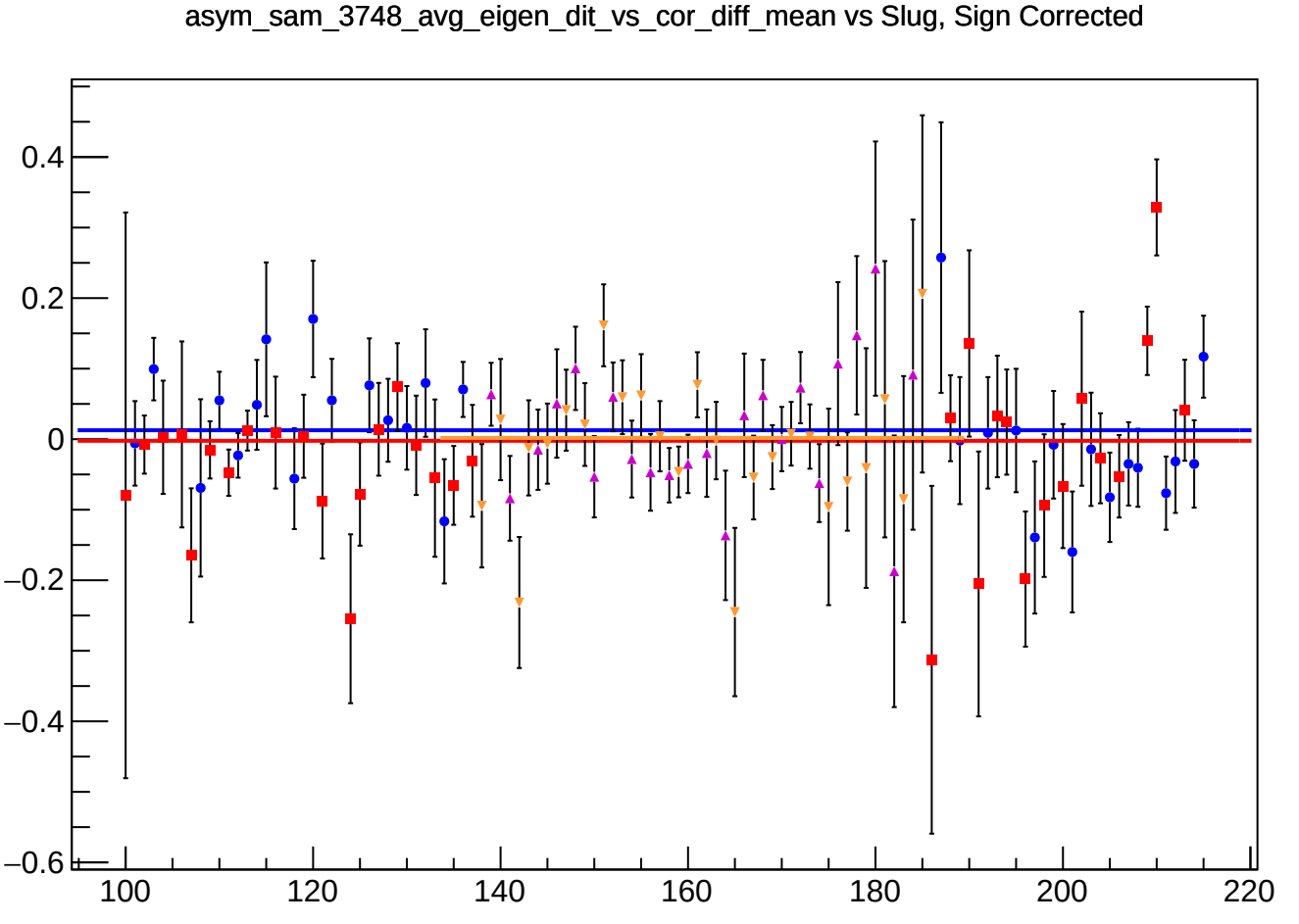
In: 46.017+/-0.006 χ^2/NDF:7783008.9/53

Out: 45.092+/-0.006 χ^2/NDF:11044107.4/58

All: 45.551+/-0.004 χ^2/NDF: 18839753.1/112


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: 40.4/30
Left Out: 0.000+/-0.000 χ²/NDF:41.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 81.4/33
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: 162.2/64
In: 0.000+/-0.000 χ²/NDF:67.5/53
Out: -0.000+/-0.000 χ²/NDF:137.4/58
All: 0.000+/-0.000 χ²/NDF: 224.5/112


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 5363827.4/30
Left Out: 0.002+/-0.000 χ²/NDF:3123870.1/24
Right Out: 0.002+/-0.000 χ²/NDF: 7877111.5/33
Left In: 0.002+/-0.000 χ²/NDF:2629718.7/22
Left: 0.002+/-0.000 χ²/NDF: 5762873.5/47
Right: 0.002+/-0.000 χ²/NDF: 13327417.9/64
In: 0.002+/-0.000 χ²/NDF:8533787.3/53
Out: 0.002+/-0.000 χ²/NDF:11881067.8/58
All: 0.002+/-0.000 χ²/NDF: 20489046.3/112



Right In: 0.013+/-0.011 χ^2/NDF: 38.5/30

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.002+/-0.011 χ^2/NDF: 58.7/33

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

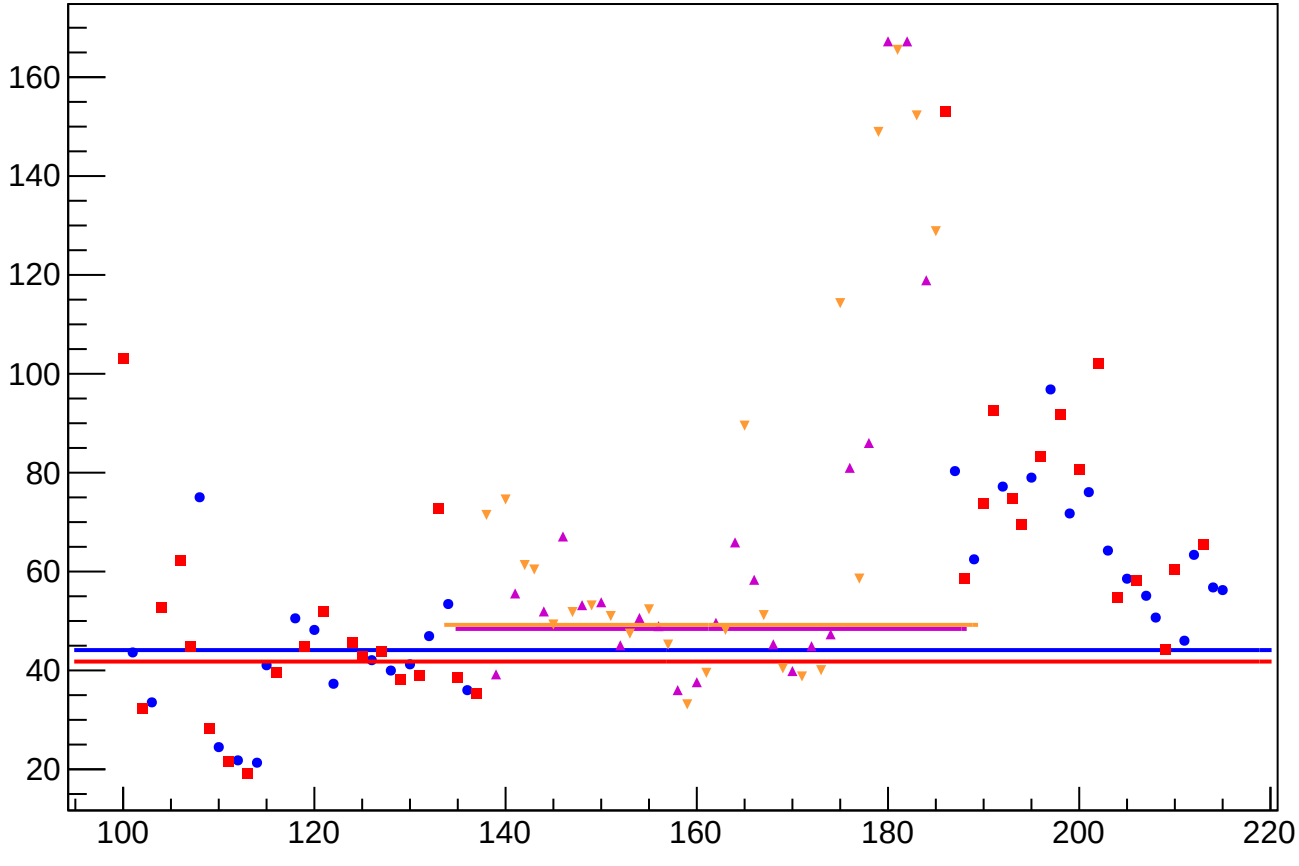
Right: 0.005+/-0.008 χ^2/NDF: 98.1/64

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.004+/-0.006 χ^2/NDF: 154.6/112

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.113+/-0.008 χ^2/NDF: 4616725.6/30

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 41.795+/-0.008 χ^2/NDF: 6467530.9/33

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

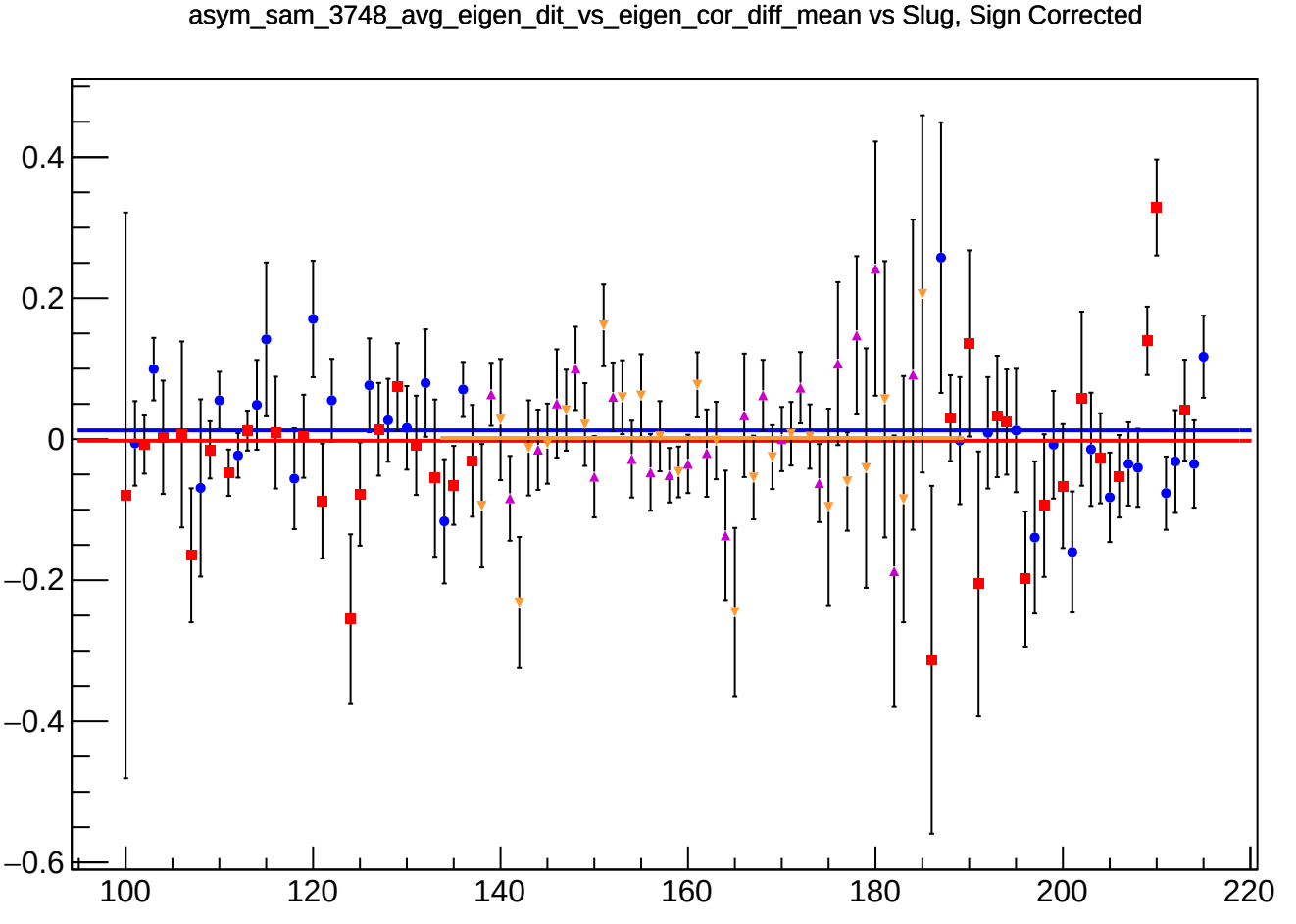
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 42.945+/-0.006 χ^2/NDF: 11128368.6/64

In: 46.017+/-0.006 χ^2/NDF:7782839.9/53

Out: 45.093+/-0.006 χ^2/NDF:11043998.2/58

All: 45.552+/-0.004 χ^2/NDF: 18839472.7/112



Right In: 0.013+/-0.011 χ^2/NDF: 38.5/30

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.002+/-0.011 χ^2/NDF: 58.7/33

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

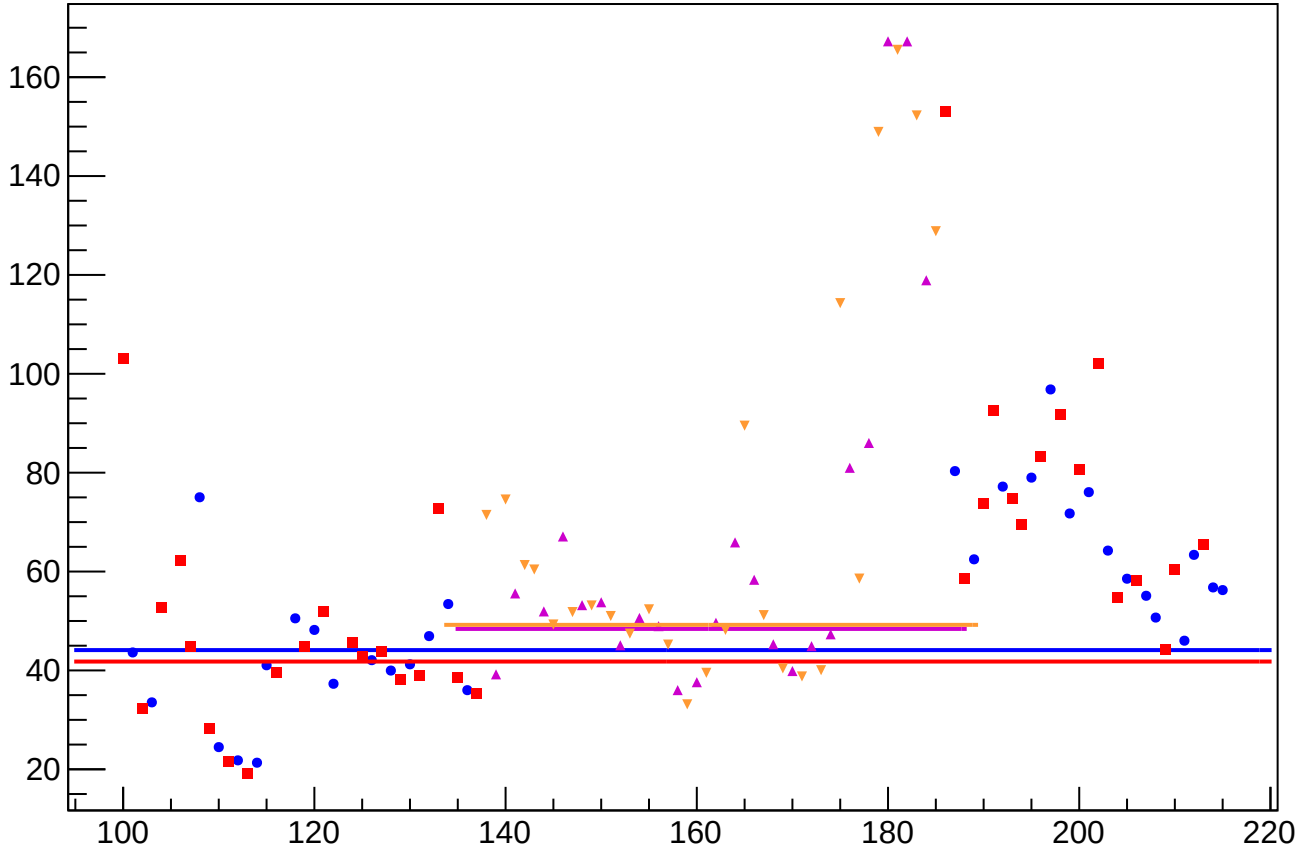
Right: 0.005+/-0.008 χ^2/NDF: 98.1/64

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: -0.001+/-0.008 χ^2/NDF:89.2/58

All: 0.004+/-0.006 χ^2/NDF: 154.6/112

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.113+/-0.008 χ^2/NDF: 4616725.6/30

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 41.795+/-0.008 χ^2/NDF: 6467530.9/33

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

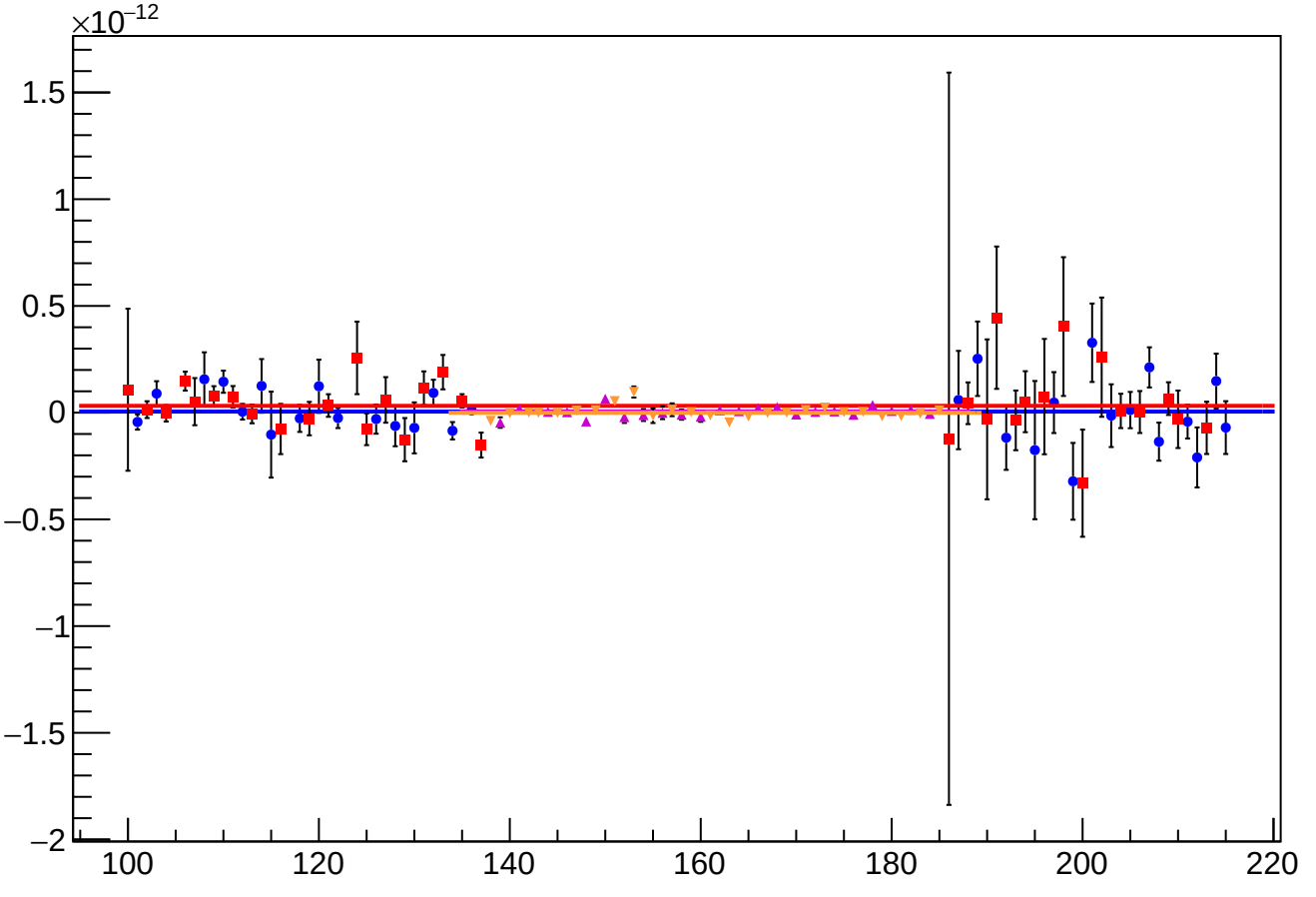
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 42.945+/-0.006 χ^2/NDF: 11128368.6/64

In: 46.017+/-0.006 χ^2/NDF:7782839.9/53

Out: 45.093+/-0.006 χ^2/NDF:11043998.2/58

All: 45.552+/-0.004 χ^2/NDF: 18839472.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 44.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.7/33

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

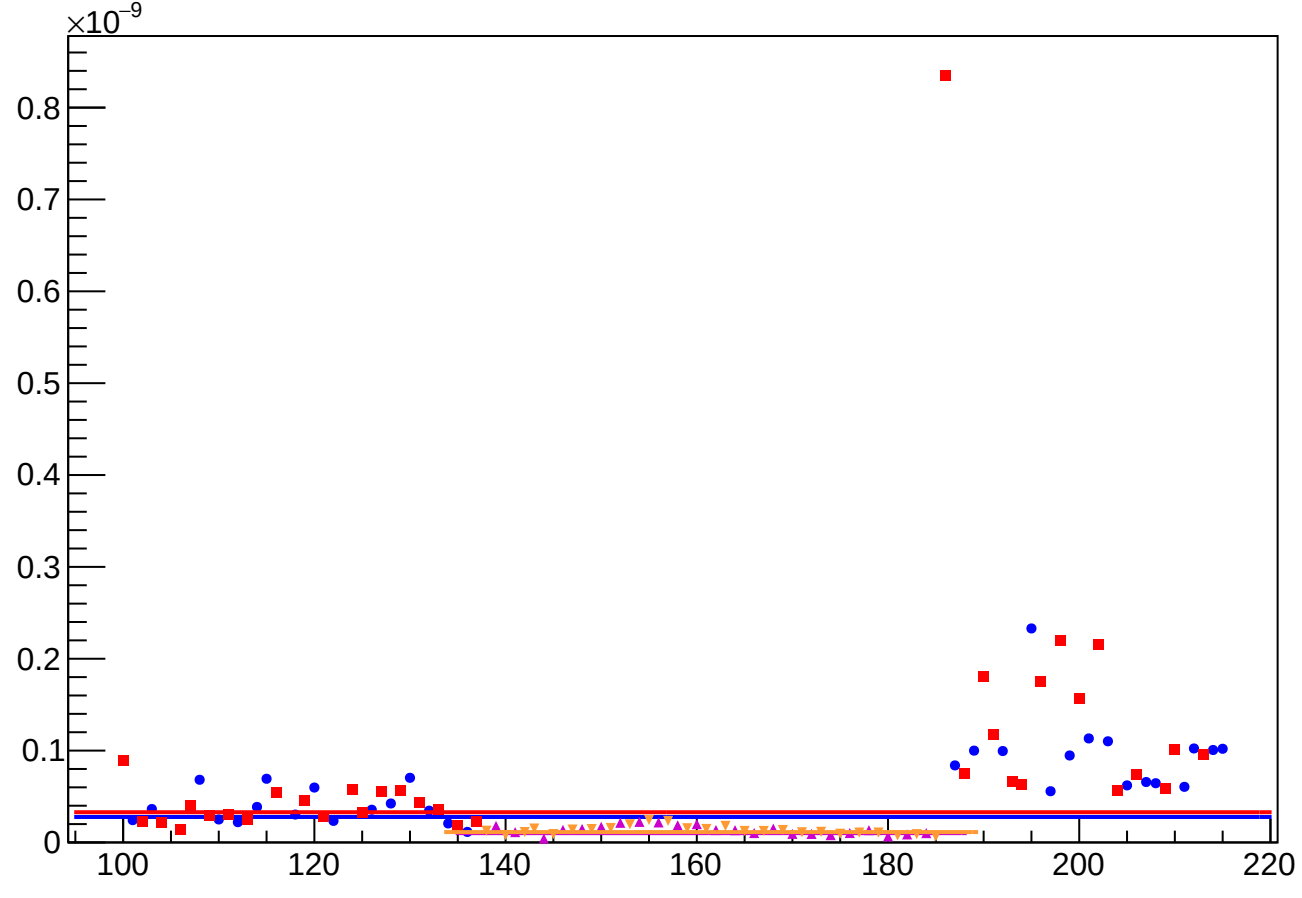
Right: 0.000+/-0.000 χ^2/NDF: 88.2/64

In: 0.000+/-0.000 χ^2/NDF:73.2/53

Out: 0.000+/-0.000 χ^2/NDF:84.4/58

All: 0.000+/-0.000 χ^2/NDF: 158.3/112

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9141843.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7510584.1/33

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

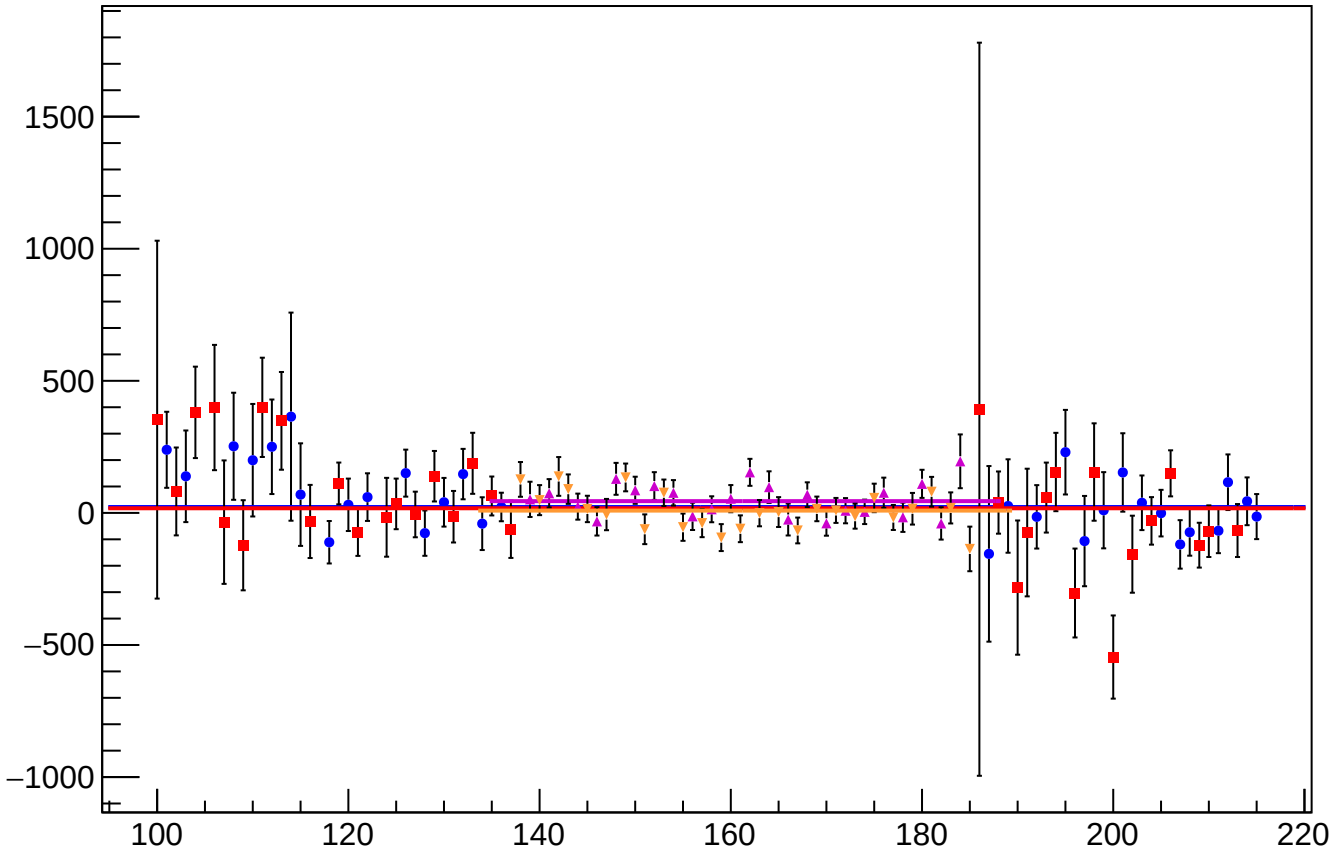
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16854876.9/64

In: 0.000+/-0.000 χ^2/NDF:18084003.8/53

Out: 0.000+/-0.000 χ^2/NDF:15556075.2/58

All: 0.000+/-0.000 χ^2/NDF: 33785260.9/112



Right In: 22.219+/-19.111 χ^2/NDF: 24.8/30

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 17.547+/-20.669 χ^2/NDF: 50.8/33

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

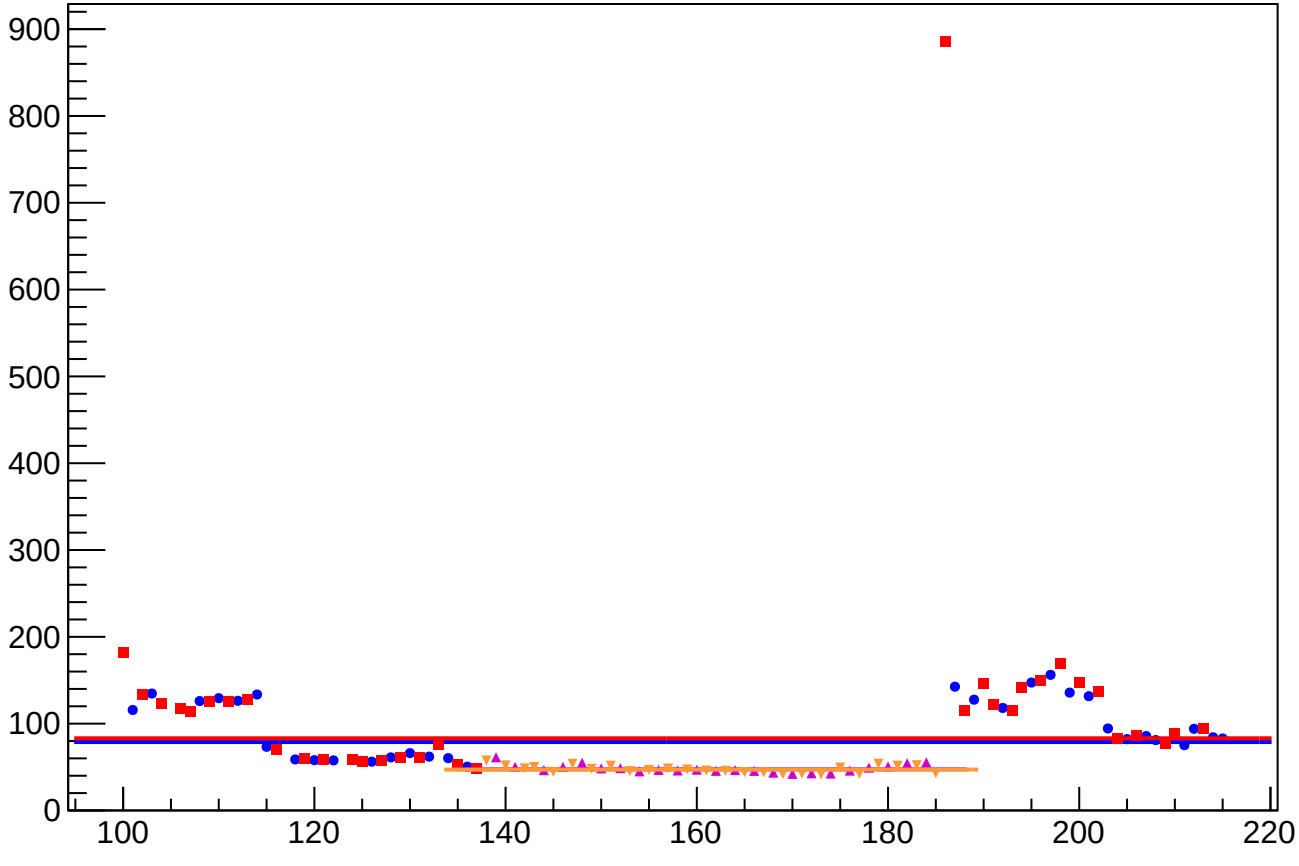
Right: 20.066+/-14.032 χ^2/NDF: 75.6/64

In: 38.874+/-9.630 χ^2/NDF:52.8/53

Out: 10.633+/-9.551 χ^2/NDF:85.5/58

All: 24.637+/-6.781 χ^2/NDF: 142.7/112

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 78.799+/-0.014 χ^2/NDF: 3902661.6/30

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 83.139+/-0.015 χ^2/NDF: 5027207.2/33

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

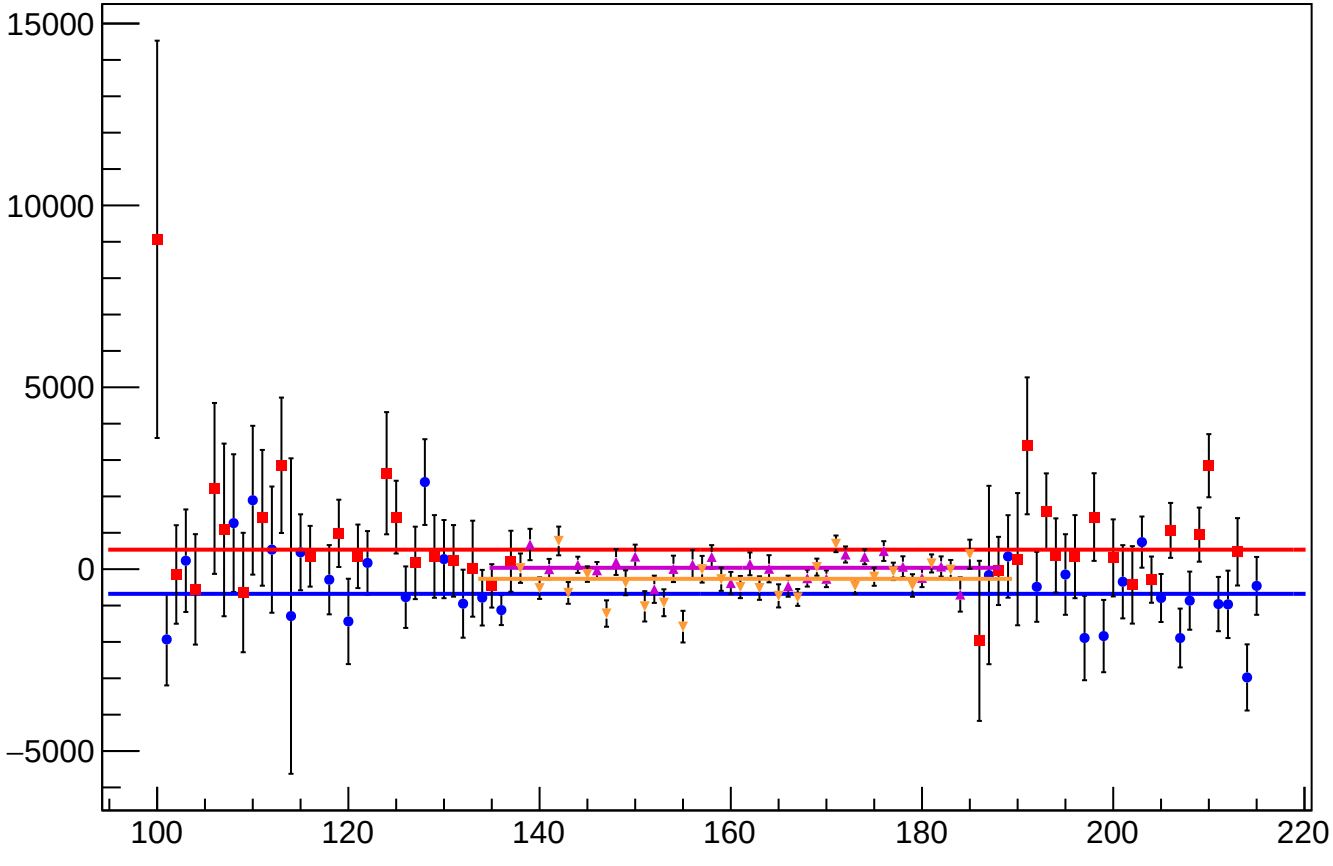
Right: 80.799+/-0.010 χ^2/NDF: 8977402.3/64

In: 55.360+/-0.007 χ^2/NDF:8206057.6/53

Out: 54.767+/-0.007 χ^2/NDF:10106539.9/58

All: 55.061+/-0.005 χ^2/NDF: 18316424.5/112

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.995+/-165.414 χ^2/NDF: 33.0/30

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 536.285+/-180.260 χ^2/NDF: 28.2/33

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

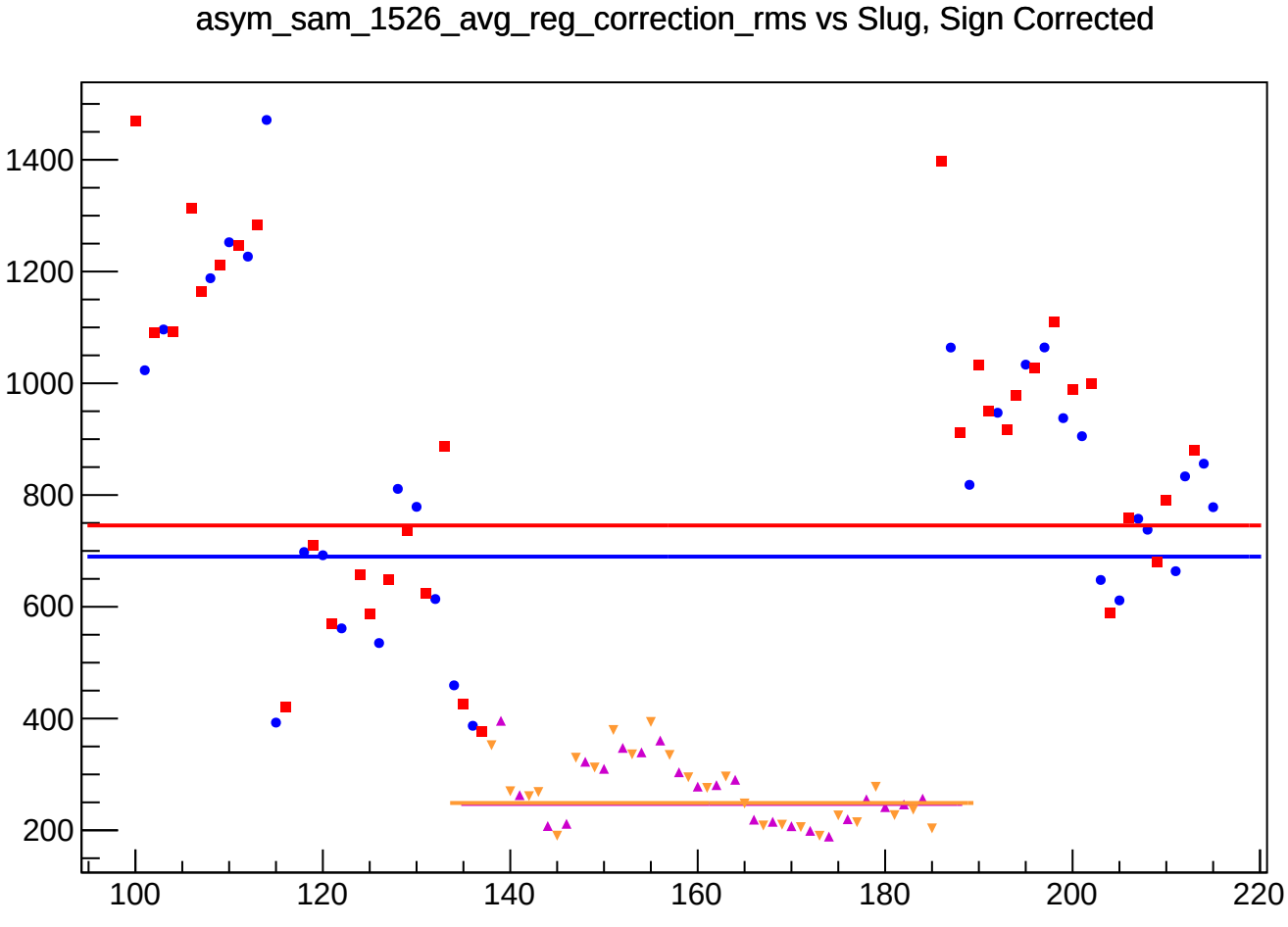
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -122.912+/-121.876 χ^2/NDF: 85.8/64

In: -43.614+/-55.704 χ^2/NDF:76.2/53

Out: -190.374+/-55.239 χ^2/NDF:115.9/58

All: -117.609+/-39.223 χ^2/NDF: 195.6/112



Right In: 689.788+/-0.117 χ^2/NDF: 3462117.1/30

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 745.587+/-0.127 χ^2/NDF: 3576397.7/33

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

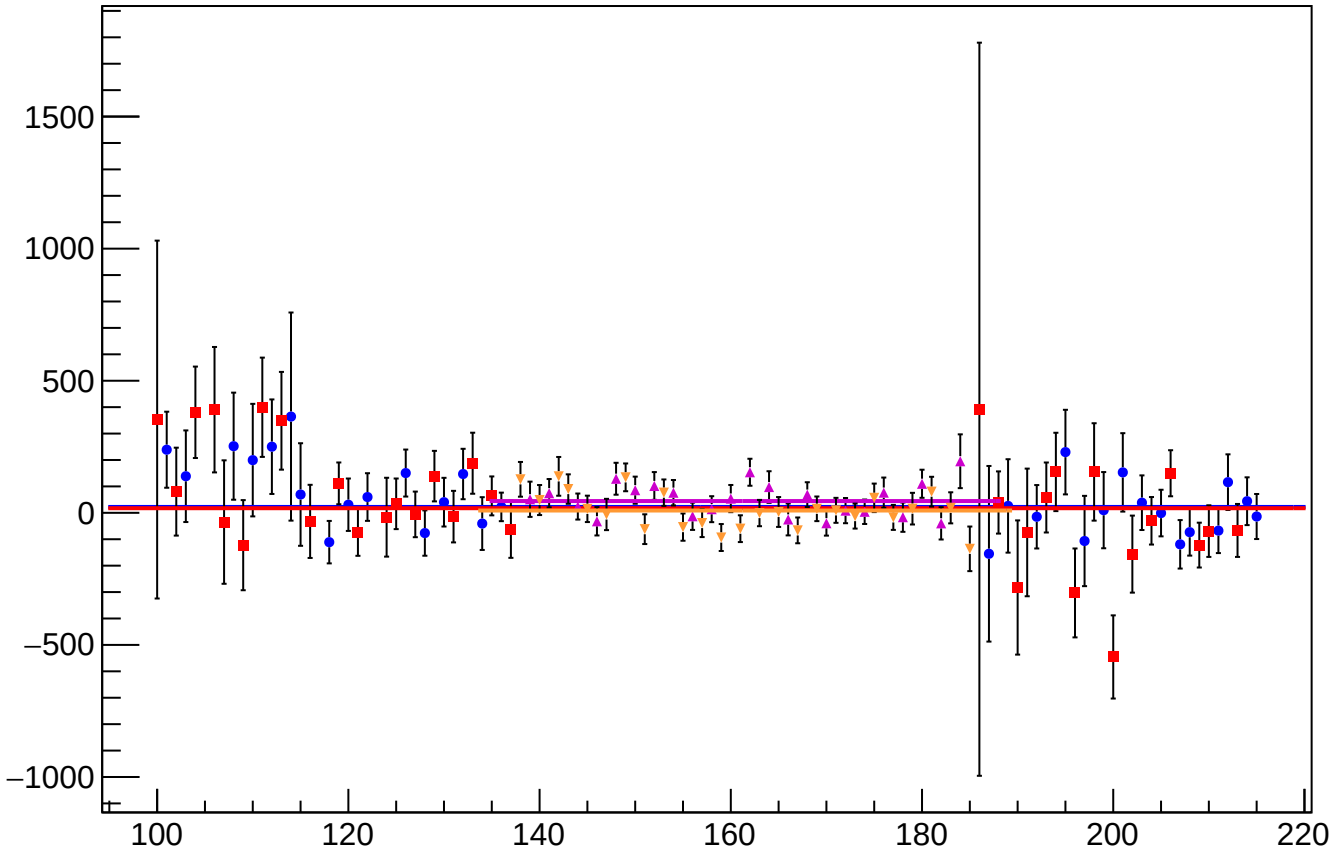
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 715.295+/-0.086 χ^2/NDF: 7142552.9/64

In: 297.311+/-0.039 χ^2/NDF:17646160.6/53

Out: 295.534+/-0.039 χ^2/NDF:18999056.7/58

All: 296.415+/-0.028 χ^2/NDF: 36646243.4/1



Right In: 22.213+/-19.111 χ^2/NDF: 24.8/30

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 17.459+/-20.669 χ^2/NDF: 50.6/33

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

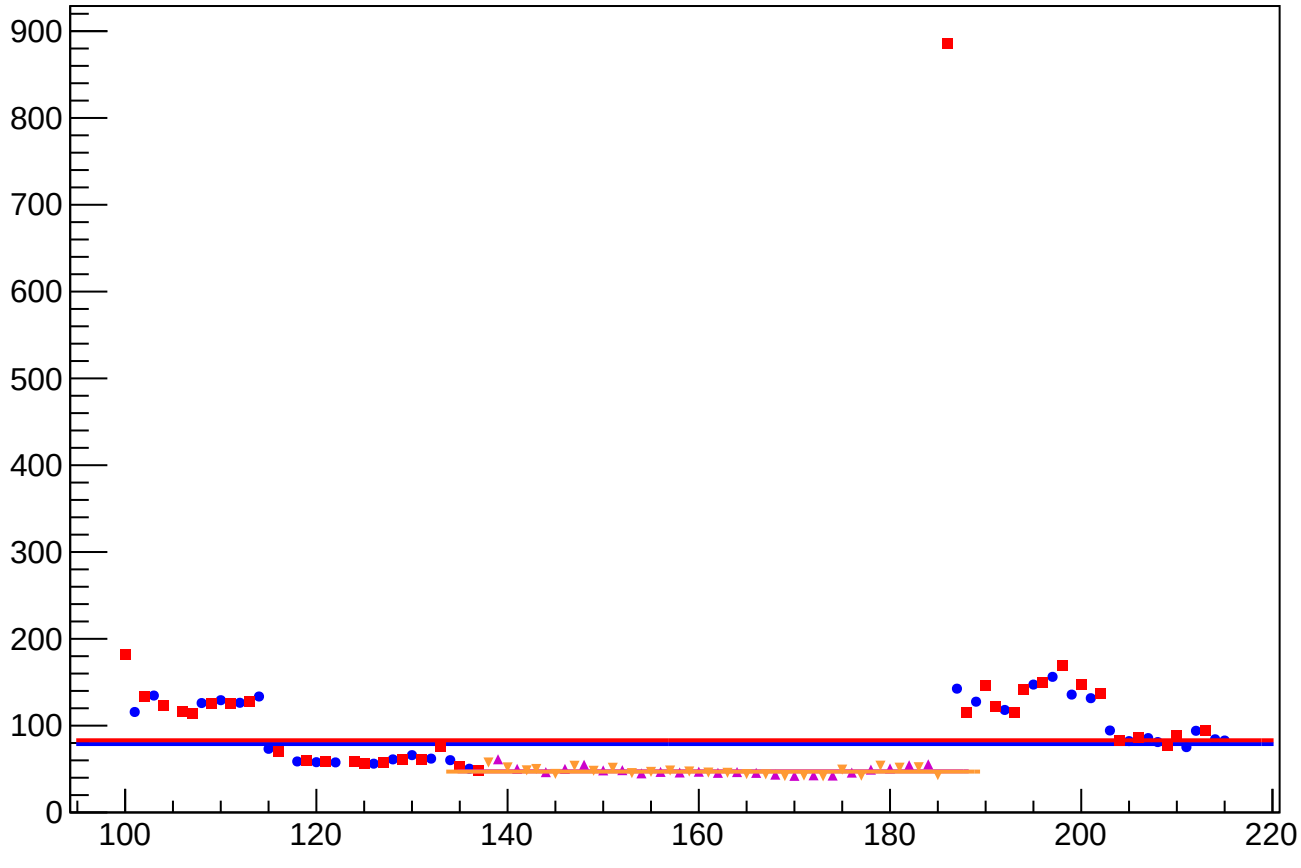
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 20.022+/-14.032 χ^2/NDF: 75.5/64

In: 38.871+/-9.630 χ^2/NDF:52.8/53

Out: 10.616+/-9.551 χ^2/NDF:85.4/58

All: 24.627+/-6.781 χ^2/NDF: 142.6/112



Right In: 78.799+/-0.014 χ^2/NDF: 3902663.9/30

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 83.131+/-0.015 χ^2/NDF: 5024986.5/33

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

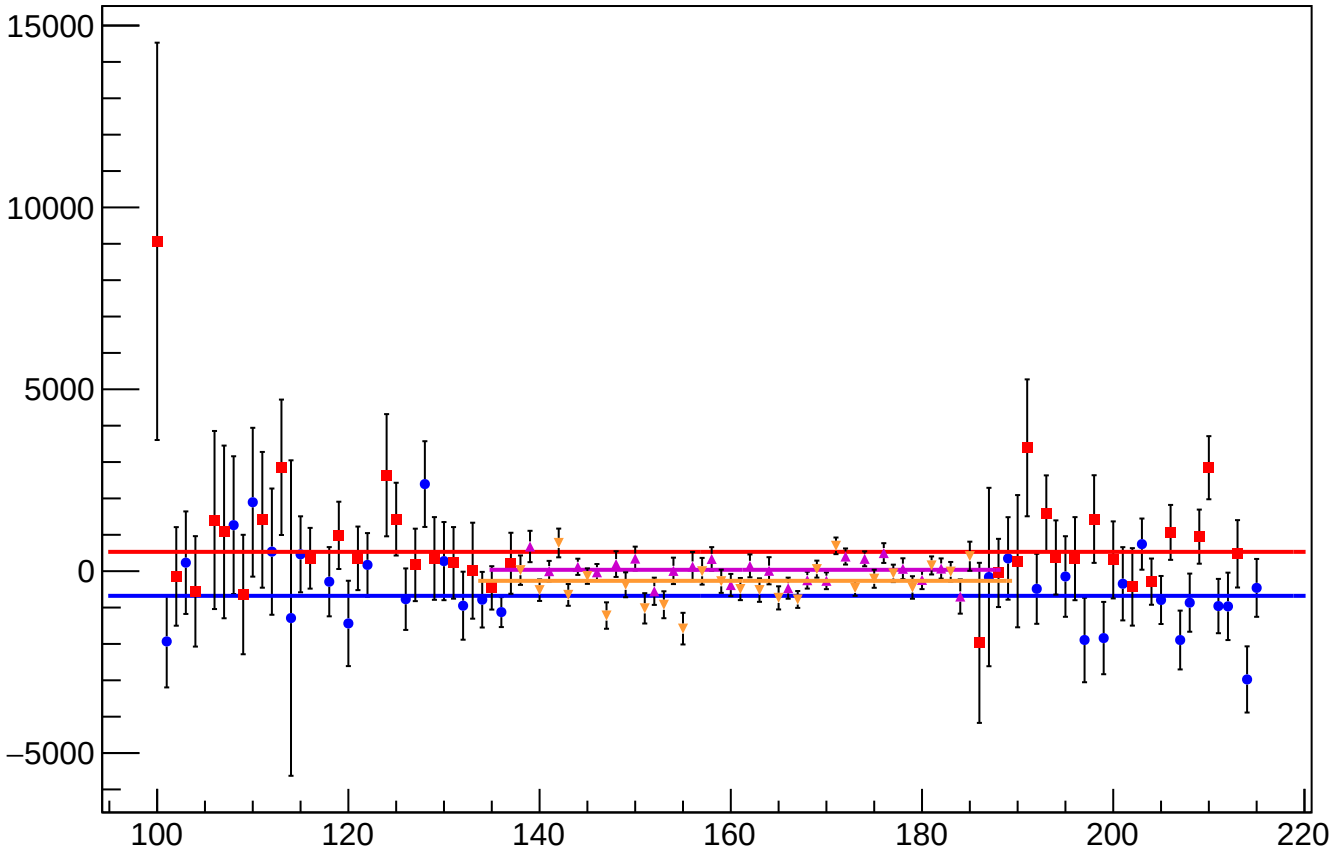
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.796+/-0.010 χ^2/NDF: 8975007.5/64

In: 55.360+/-0.007 χ^2/NDF:8206059.7/53

Out: 54.765+/-0.007 χ^2/NDF:10102059.9/58

All: 55.060+/-0.005 χ^2/NDF: 18311971.4/112



Right In: -677.989+/-165.414 χ^2/NDF: 33.0/30

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 531.151+/-180.304 χ^2/NDF: 27.8/33

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

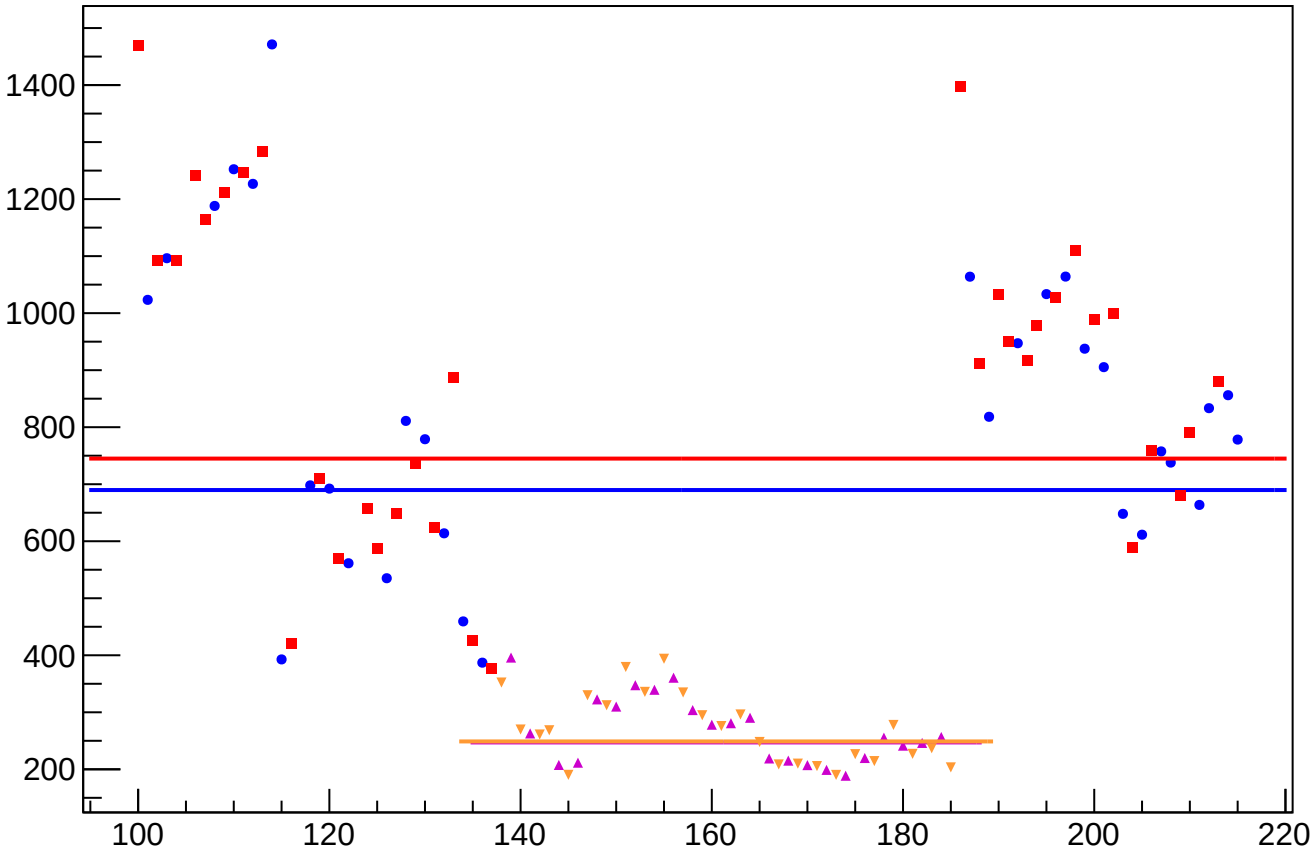
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -125.402+/-121.890 χ^2/NDF: 85.2/64

In: -43.616+/-55.704 χ^2/NDF:76.2/53

Out: -190.885+/-55.241 χ^2/NDF:115.3/58

All: -117.866+/-39.224 χ^2/NDF: 195.0/112



Right In: 689.788+/-0.117 χ^2/NDF: 3462157.2/30

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 744.940+/-0.127 χ^2/NDF: 3542065.0/33

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

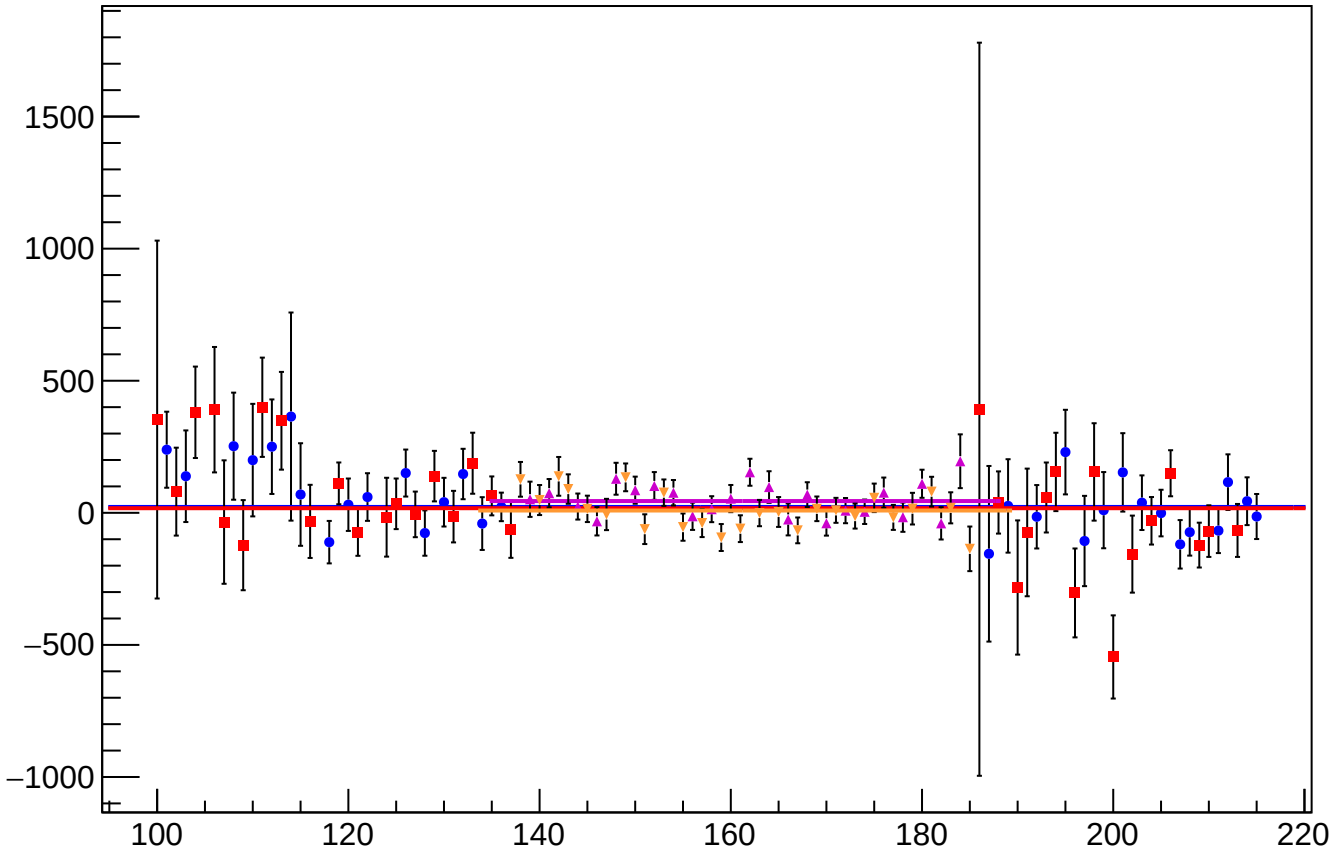
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 714.993+/-0.086 χ^2/NDF: 7105831.1/64

In: 297.311+/-0.039 χ^2/NDF:17646172.8/53

Out: 295.452+/-0.039 χ^2/NDF:18922799.8/58

All: 296.374+/-0.028 χ^2/NDF: 36570095.3/11



Right In: 22.213+/-19.111 χ^2/NDF: 24.8/30

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 17.459+/-20.669 χ^2/NDF: 50.6/33

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

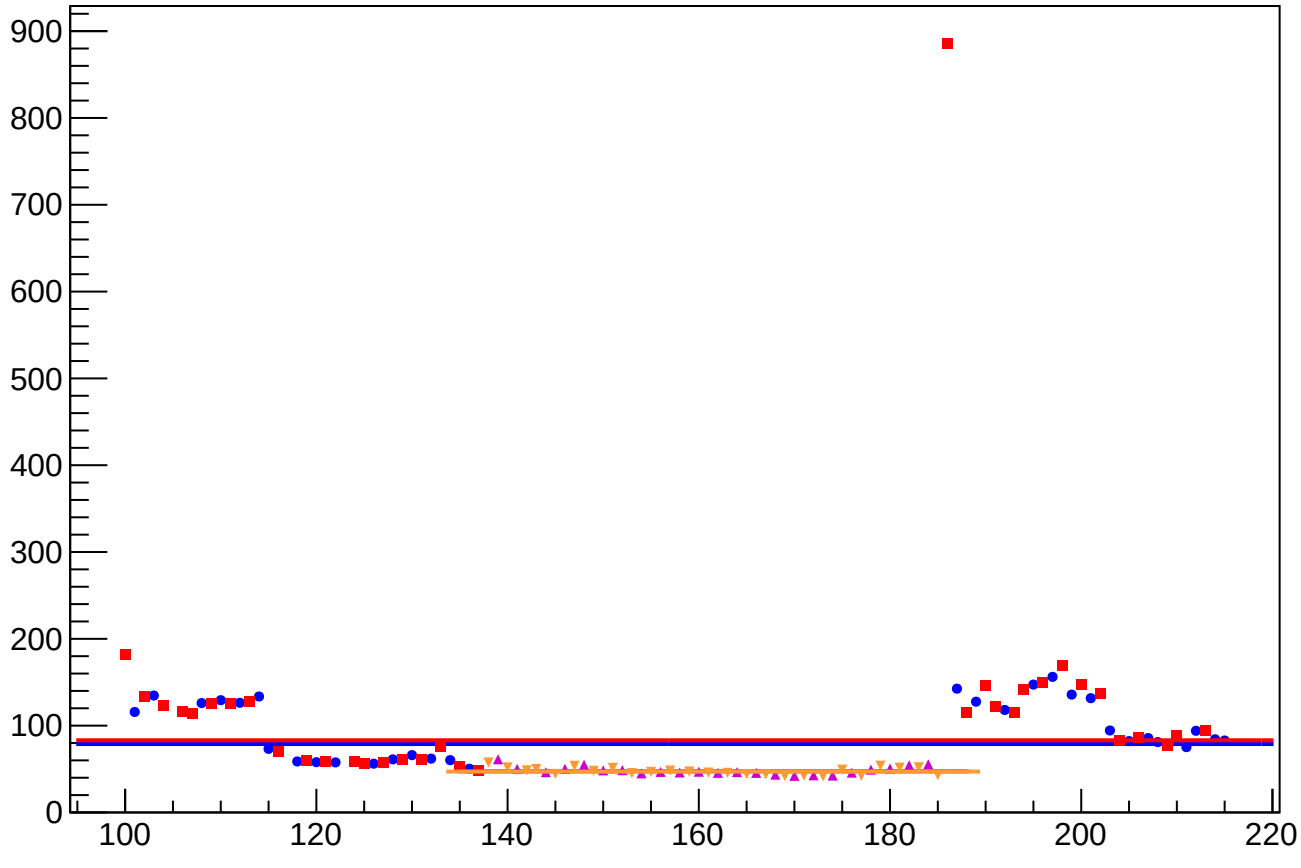
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 20.022+/-14.032 χ^2/NDF: 75.5/64

In: 38.871+/-9.630 χ^2/NDF:52.8/53

Out: 10.616+/-9.551 χ^2/NDF:85.4/58

All: 24.627+/-6.781 χ^2/NDF: 142.6/112



Right In: 78.799+/-0.014 χ^2/NDF: 3902663.9/30

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 83.131+/-0.015 χ^2/NDF: 5024986.5/33

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

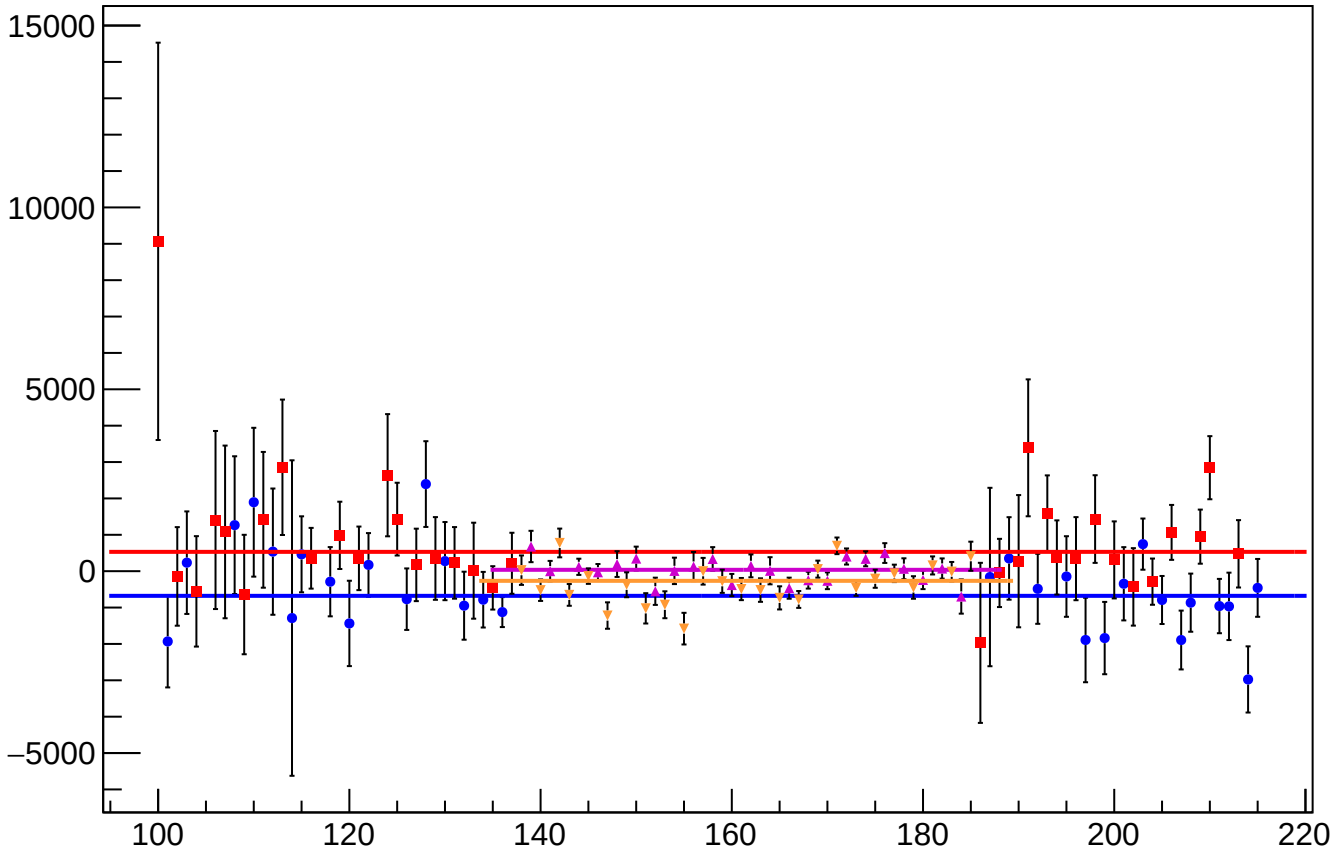
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.796+/-0.010 χ^2/NDF: 8975007.5/64

In: 55.360+/-0.007 χ^2/NDF:8206059.7/53

Out: 54.765+/-0.007 χ^2/NDF:10102059.9/58

All: 55.060+/-0.005 χ^2/NDF: 18311971.4/112



Right In: -677.989+/-165.414 χ^2/NDF: 33.0/30

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 531.151+/-180.304 χ^2/NDF: 27.8/33

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

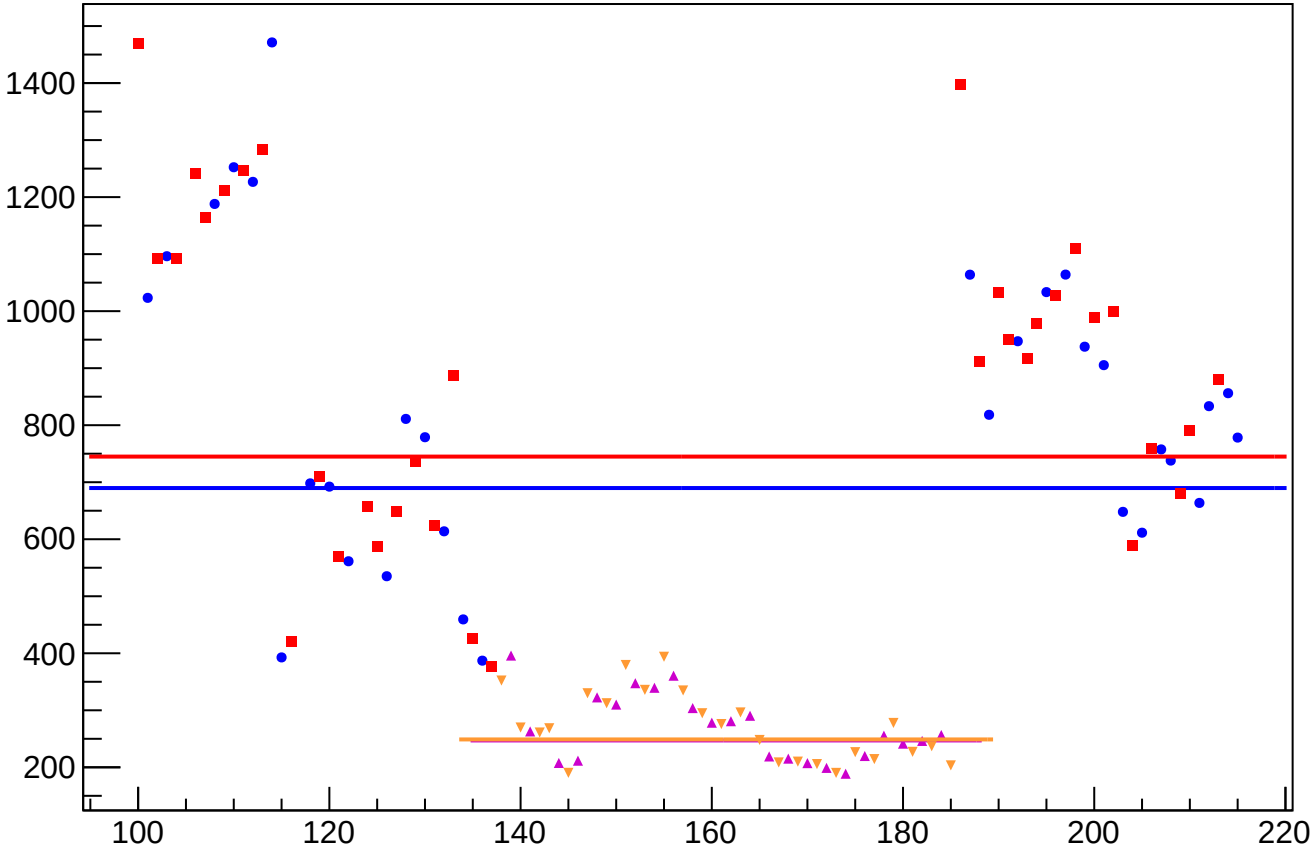
Right: -125.402+/-121.890 χ^2/NDF: 85.2/64

In: -43.616+/-55.704 χ^2/NDF:76.2/53

Out: -190.885+/-55.241 χ^2/NDF:115.3/58

All: -117.866+/-39.224 χ^2/NDF: 195.0/112

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 689.788+/-0.117 χ^2/NDF: 3462157.2/30

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 744.940+/-0.127 χ^2/NDF: 3542065.0/33

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

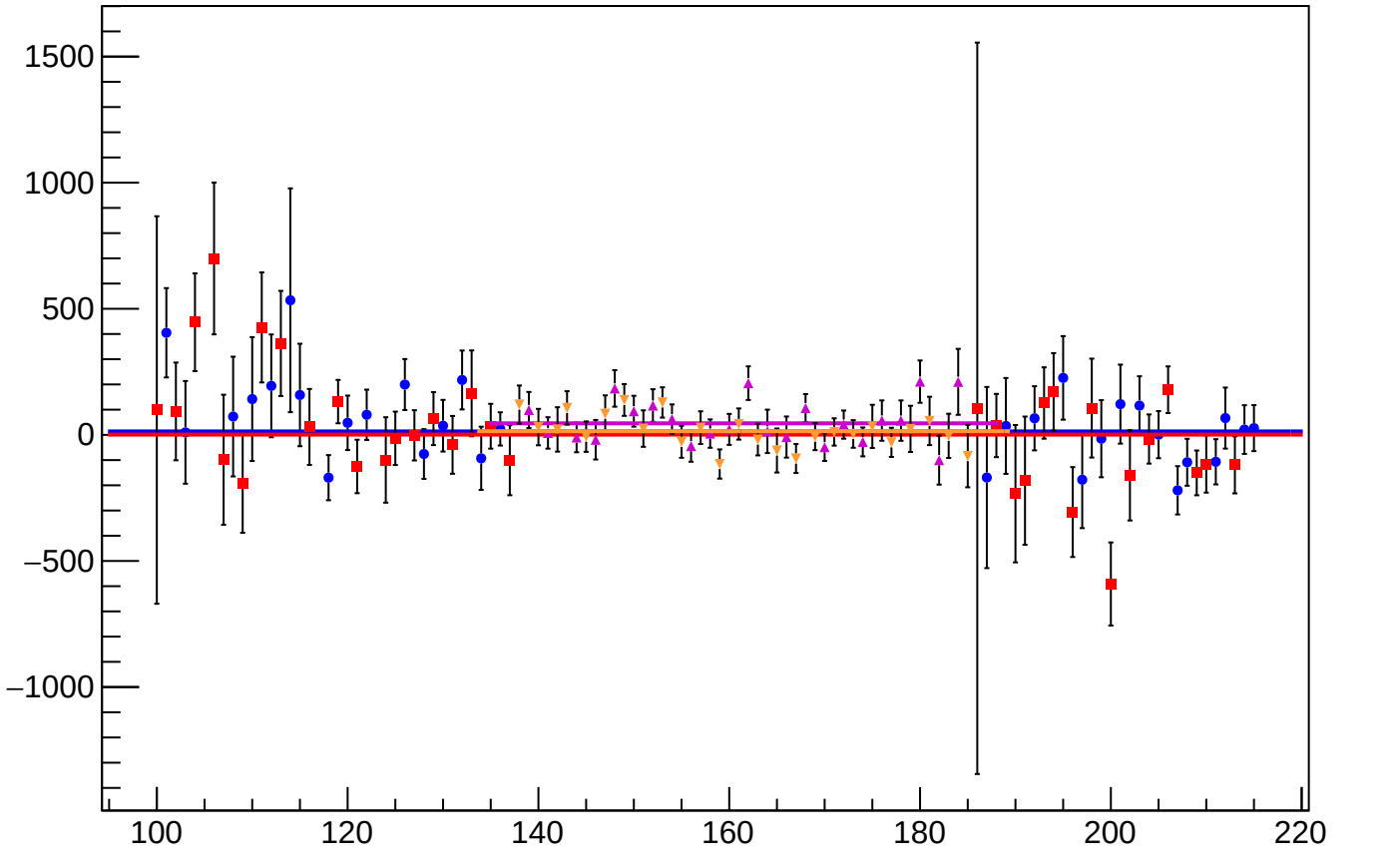
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 714.993+/-0.086 χ^2/NDF: 7105831.1/64

In: 297.311+/-0.039 χ^2/NDF:17646172.8/53

Out: 295.452+/-0.039 χ^2/NDF:18922799.8/58

All: 296.374+/-0.028 χ^2/NDF: 36570095.3/11



Right In: 13.683+/-21.344 χ^2/NDF: 34.7/30

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 1.127+/-23.315 χ^2/NDF: 54.2/33

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

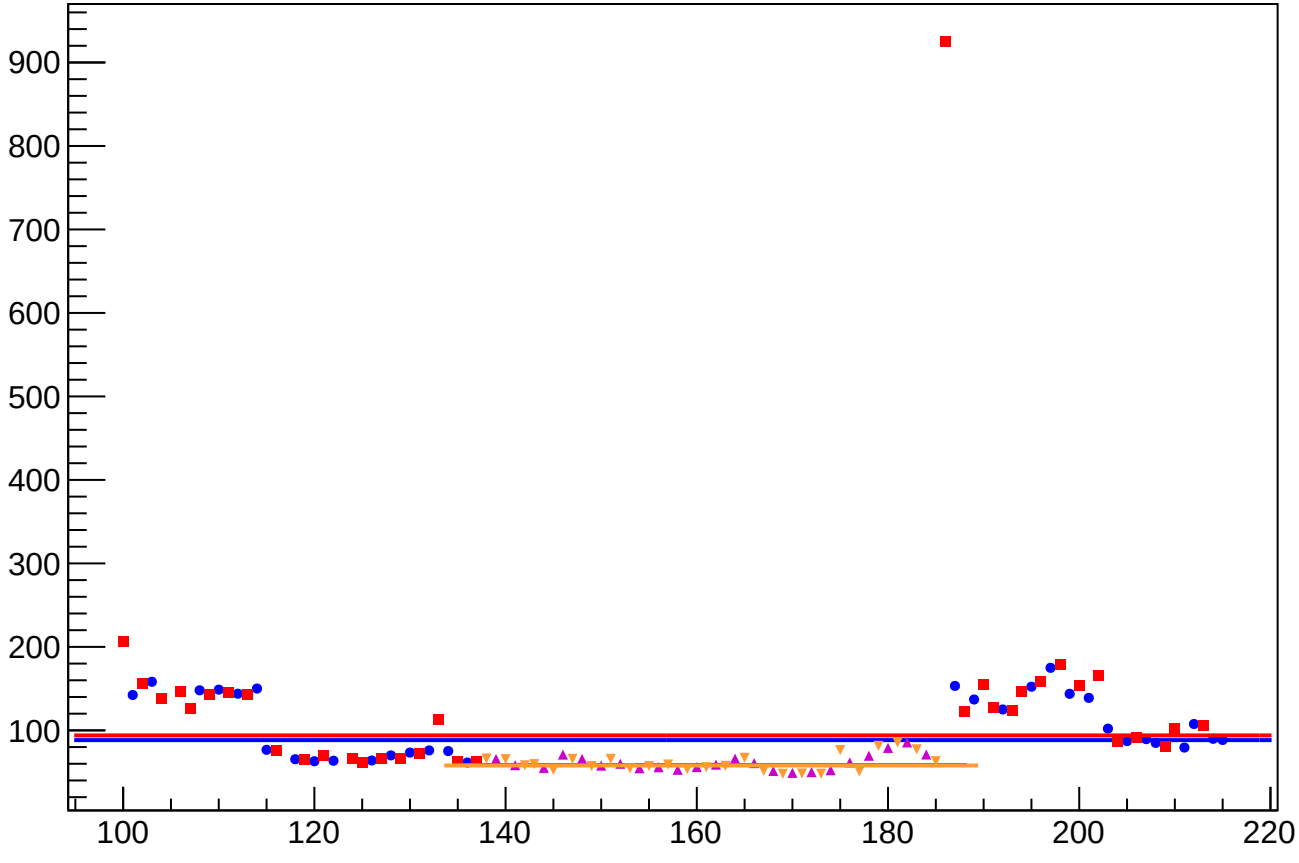
Right: 7.958+/-15.743 χ^2/NDF: 89.1/64

In: 36.209+/-11.666 χ^2/NDF:67.1/53

Out: 11.158+/-11.653 χ^2/NDF:79.0/58

All: 23.670+/-8.245 χ^2/NDF: 148.4/112

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 88.316+/-0.015 χ^2/NDF: 3473505.6/30

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 93.949+/-0.016 χ^2/NDF: 4635532.4/33

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

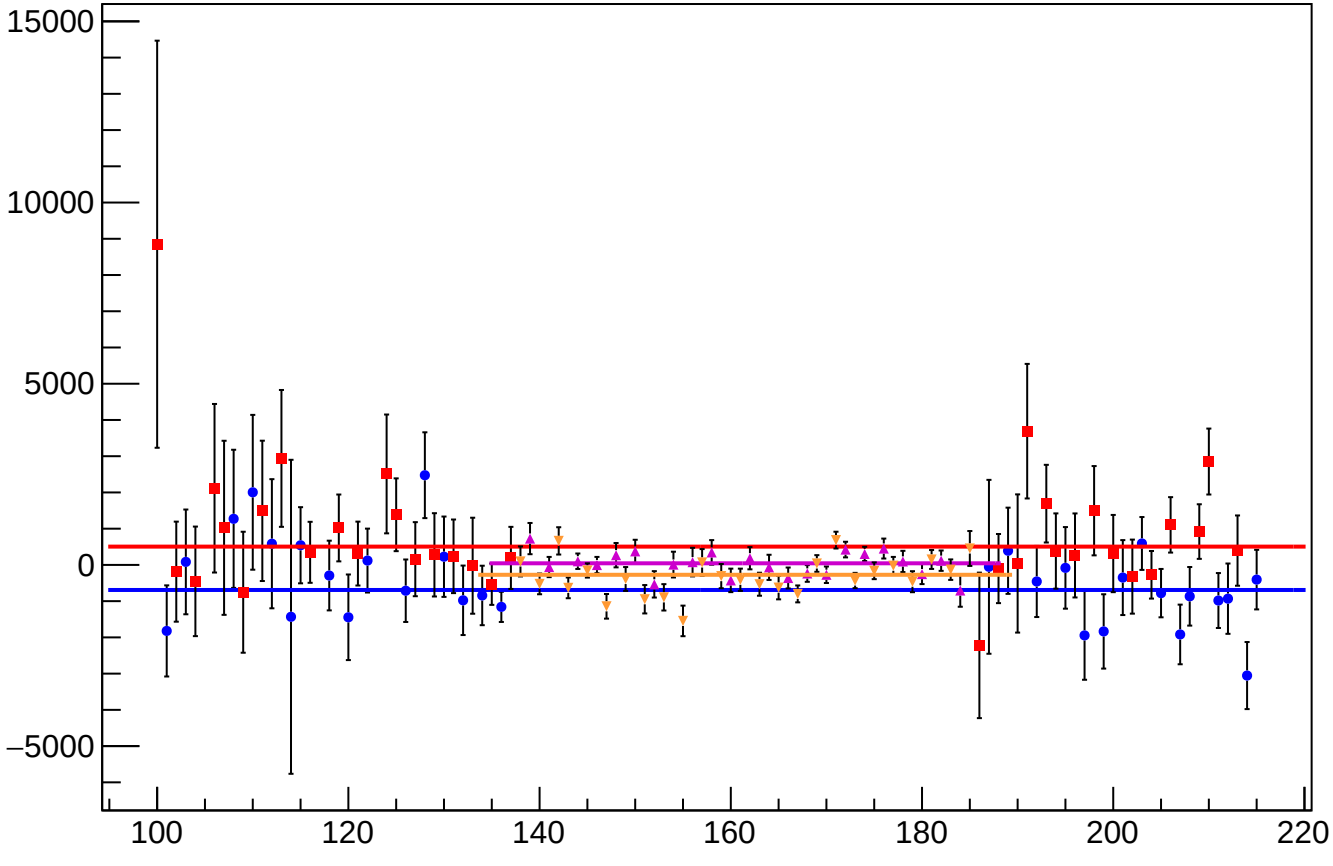
Right: 90.884+/-0.011 χ^2/NDF: 8172535.3/64

In: 67.393+/-0.008 χ^2/NDF:6864264.3/53

Out: 66.954+/-0.008 χ^2/NDF:9106311.1/58

All: 67.174+/-0.006 χ^2/NDF: 15971989.9/112

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -691.650+/-168.992 χ^2/NDF: 32.2/30

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 505.063+/-181.969 χ^2/NDF: 29.2/33

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

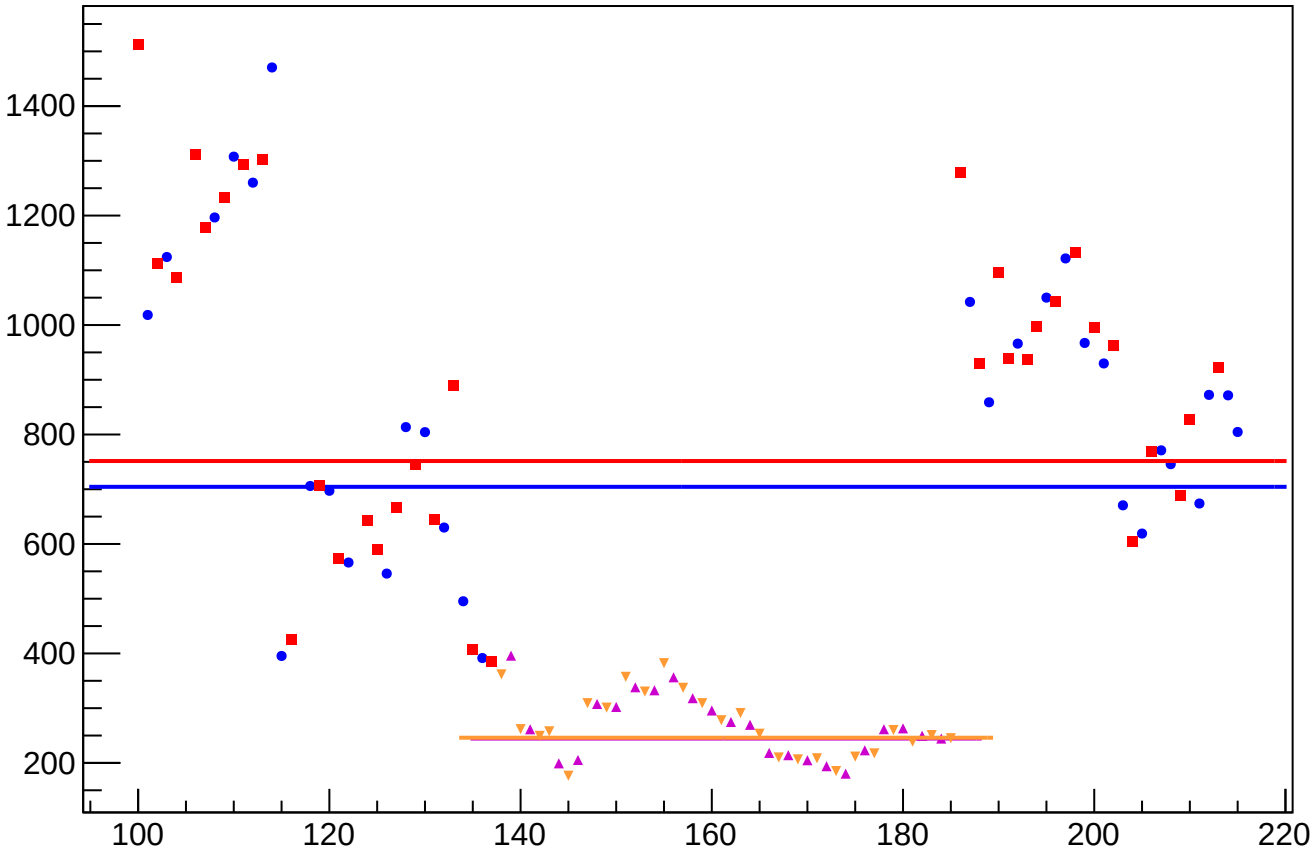
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -137.482+/-123.829 χ^2/NDF: 84.6/64

In: -34.504+/-55.378 χ^2/NDF:75.6/53

Out: -202.426+/-54.632 χ^2/NDF:111.6/58

All: -119.603+/-38.892 χ^2/NDF: 191.9/112



Right In: 704.410+/-0.119 χ^2/NDF: 3512677.5/30

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 751.532+/-0.129 χ^2/NDF: 3707330.3/33

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

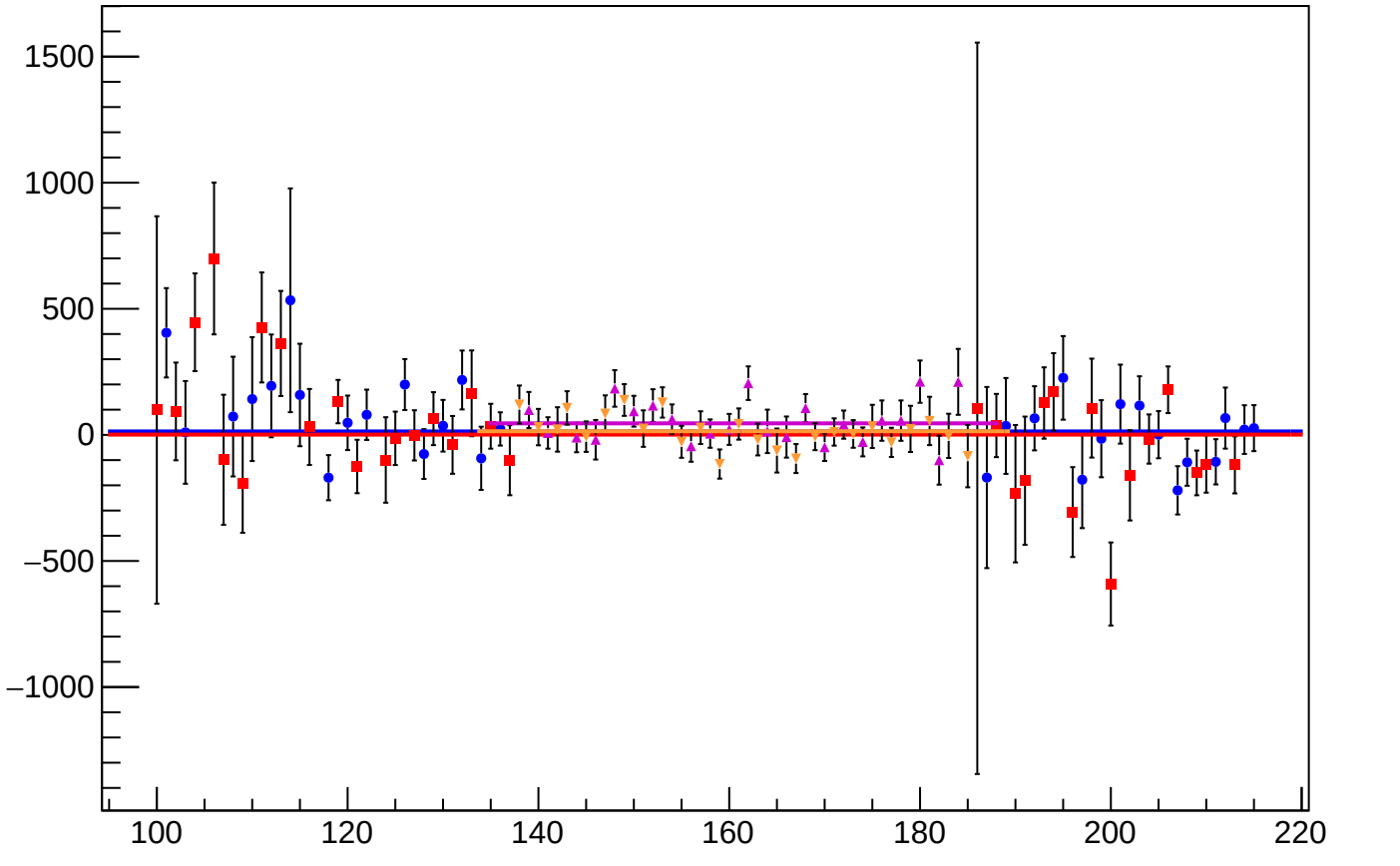
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 726.231+/-0.088 χ^2/NDF: 7292017.0/64

In: 293.842+/-0.039 χ^2/NDF:18334922.9/53

Out: 291.582+/-0.039 χ^2/NDF:19431587.8/58

All: 292.697+/-0.028 χ^2/NDF: 37768199.7/11



Right In: 13.684+/-21.344 χ^2/NDF: 34.7/30

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 1.126+/-23.315 χ^2/NDF: 54.2/33

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

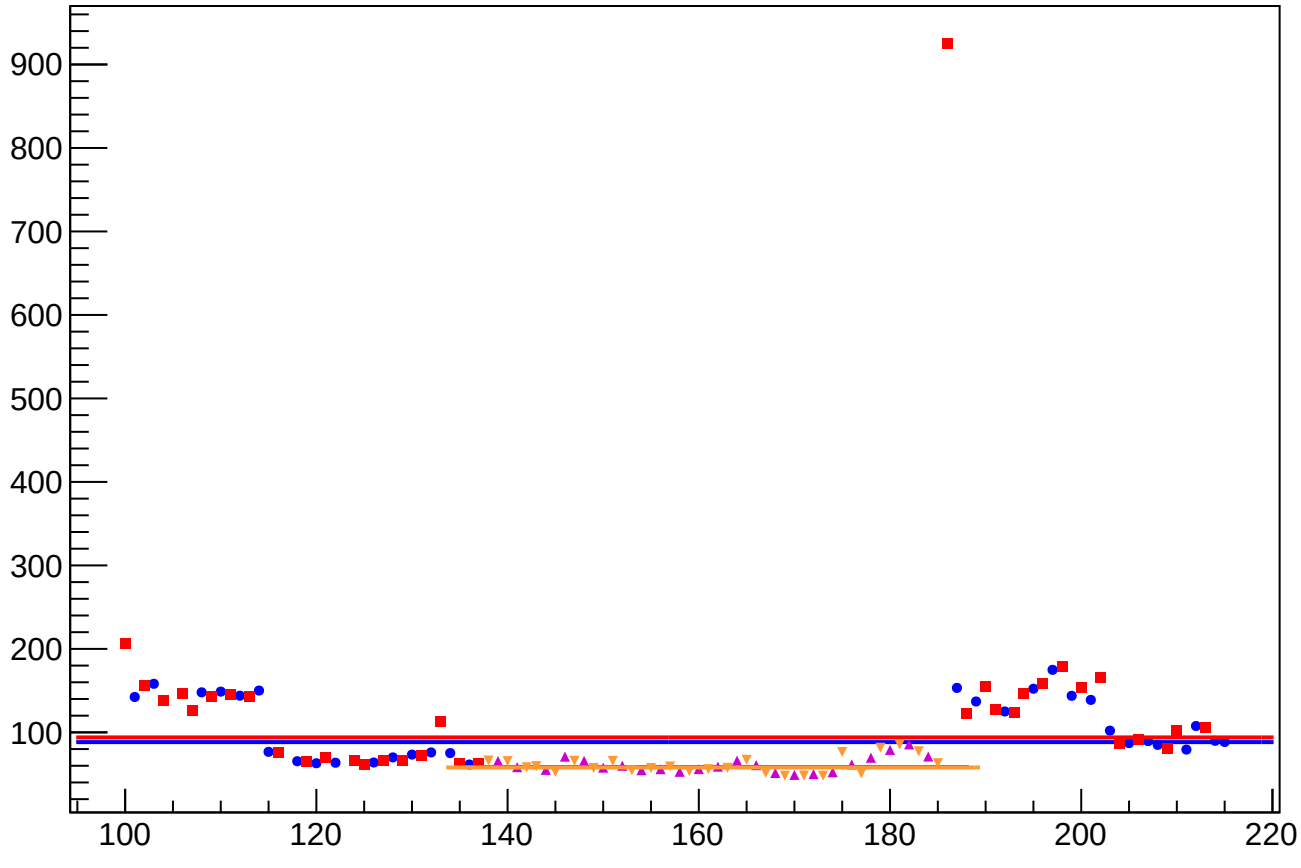
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 7.959+/-15.743 χ^2/NDF: 89.1/64

In: 36.209+/-11.666 χ^2/NDF:67.1/53

Out: 11.157+/-11.653 χ^2/NDF:79.0/58

All: 23.669+/-8.245 χ^2/NDF: 148.4/112



Right In: 88.316+/-0.015 χ^2/NDF: 3473510.0/30

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 93.948+/-0.016 χ^2/NDF: 4635542.7/33

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

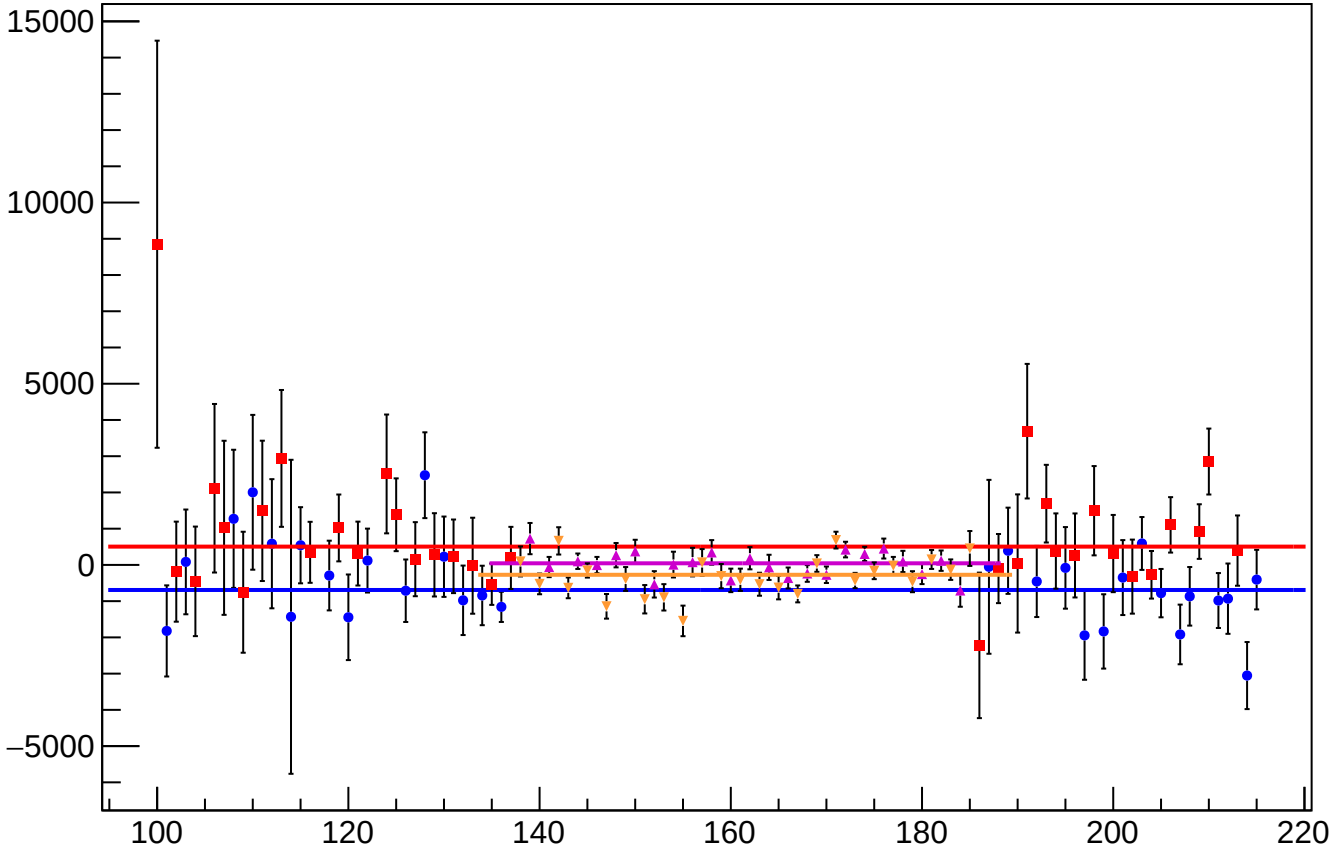
Right: 90.884+/-0.011 χ^2/NDF: 8172550.8/64

In: 67.393+/-0.008 χ^2/NDF:6864189.3/53

Out: 66.955+/-0.008 χ^2/NDF:9106270.6/58

All: 67.174+/-0.006 χ^2/NDF: 15971874.6/112

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -691.648+/-168.992 χ^2/NDF: 32.2/30

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 505.063+/-181.969 χ^2/NDF: 29.2/33

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

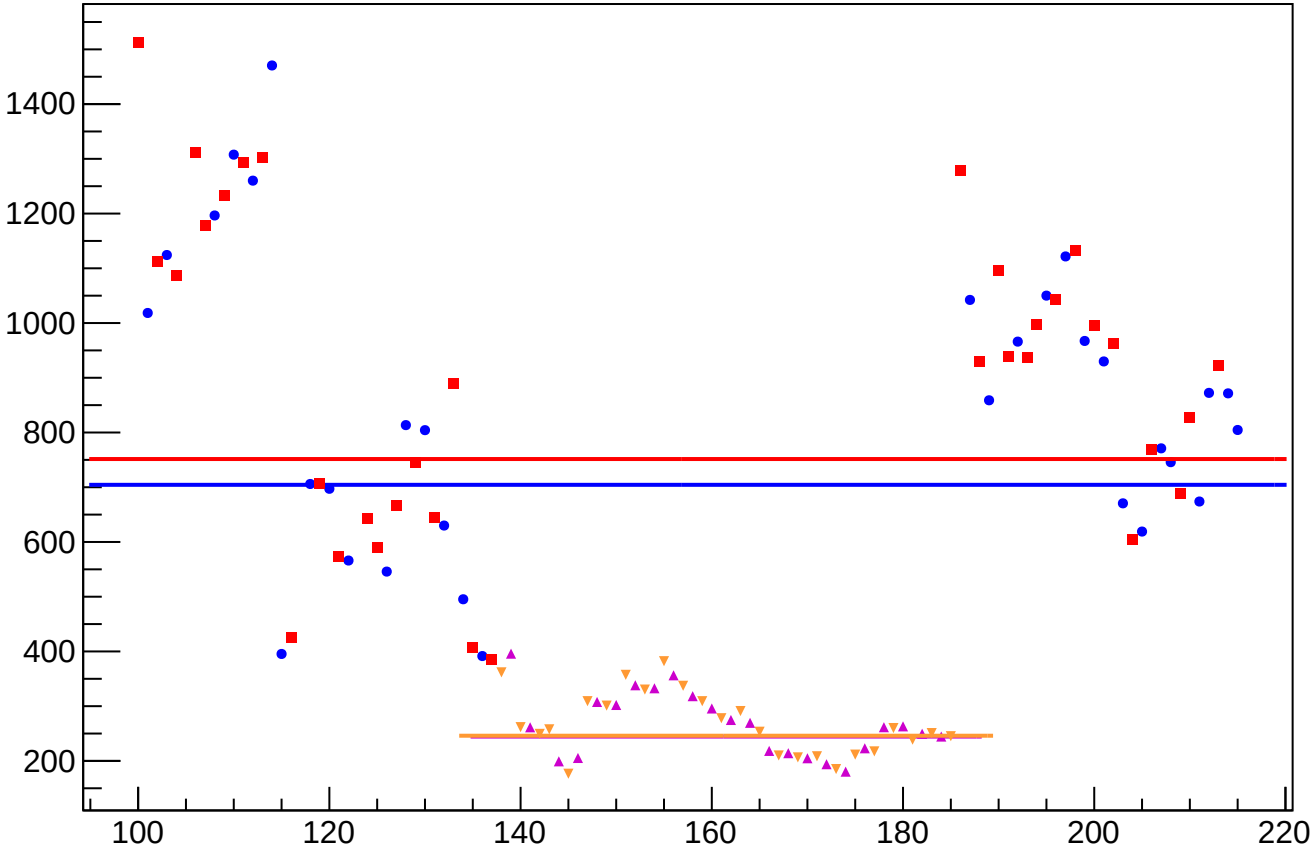
Right: -137.481+/-123.829 χ^2/NDF: 84.6/64

In: -34.504+/-55.378 χ^2/NDF:75.6/53

Out: -202.425+/-54.632 χ^2/NDF:111.6/58

All: -119.603+/-38.892 χ^2/NDF: 191.9/112

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 704.410+/-0.119 χ^2/NDF: 3512661.3/30

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 751.531+/-0.129 χ^2/NDF: 3707309.9/33

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

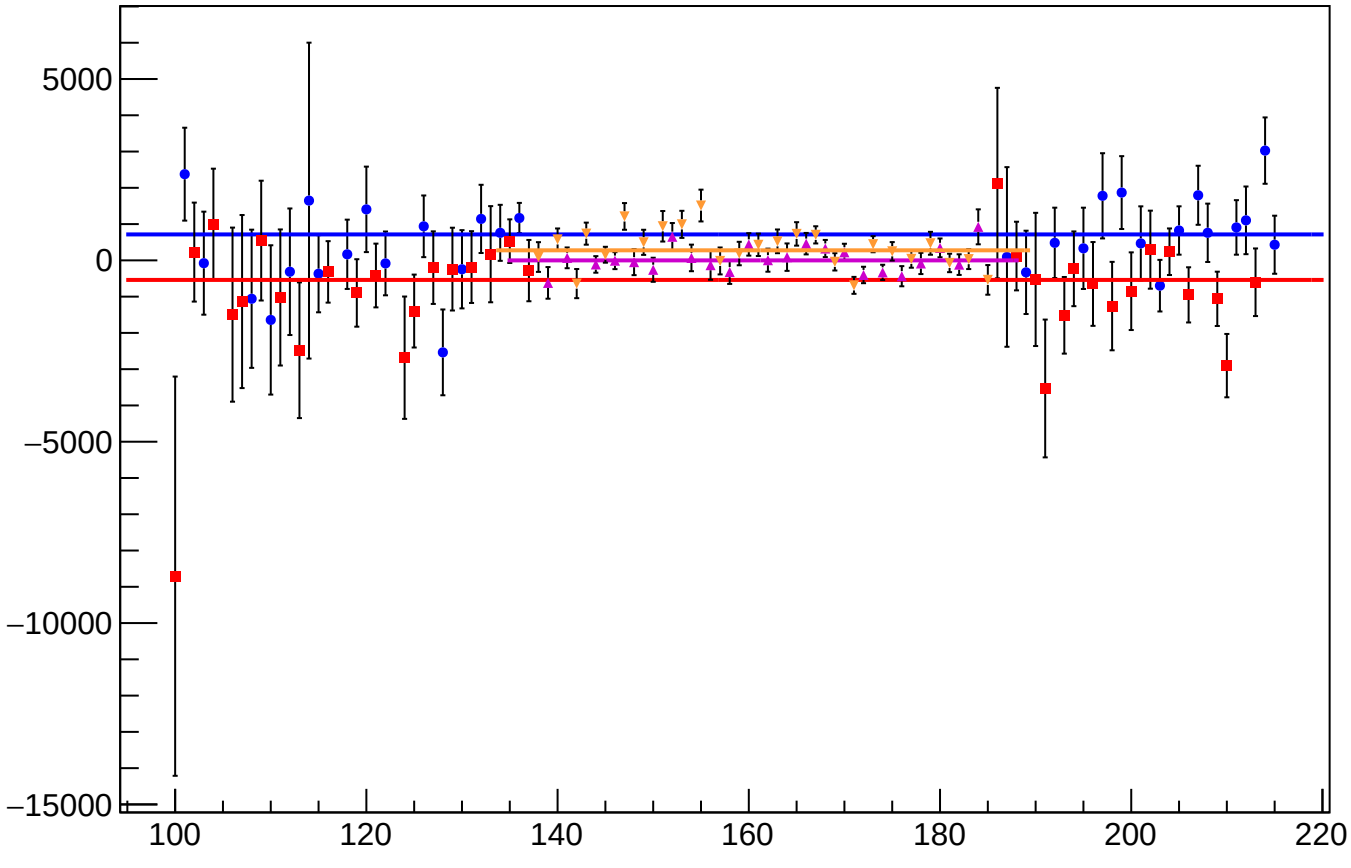
Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

Right: 726.231+/-0.088 χ^2/NDF: 7291980.9/64

In: 293.842+/-0.039 χ^2/NDF:18334911.7/53

Out: 291.581+/-0.039 χ^2/NDF:19431600.3/58

All: 292.696+/-0.028 χ^2/NDF: 37768201.3/11



Right In: 715.257+/-166.830 χ^2/NDF: 32.7/30

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -539.297+/-181.887 χ^2/NDF: 27.3/33

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

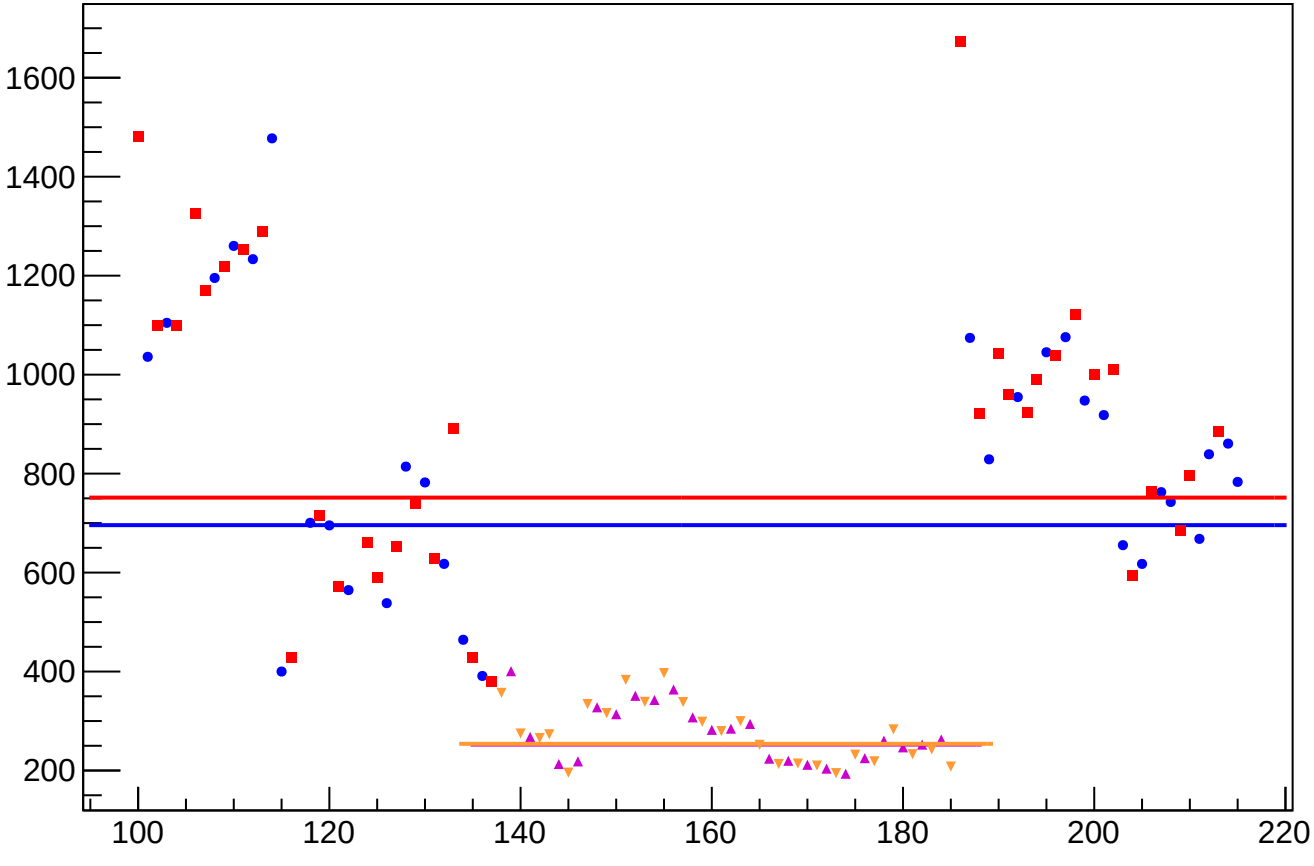
Right: 142.048+/-122.946 χ^2/NDF: 85.8/64

In: 82.291+/-56.756 χ^2/NDF:77.1/53

Out: 199.001+/-56.249 χ^2/NDF:109.6/58

All: 141.170+/-39.952 χ^2/NDF: 188.8/112

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 695.857+/-0.118 χ^2/NDF: 3446786.1/30

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 751.512+/-0.129 χ^2/NDF: 3643508.5/33

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

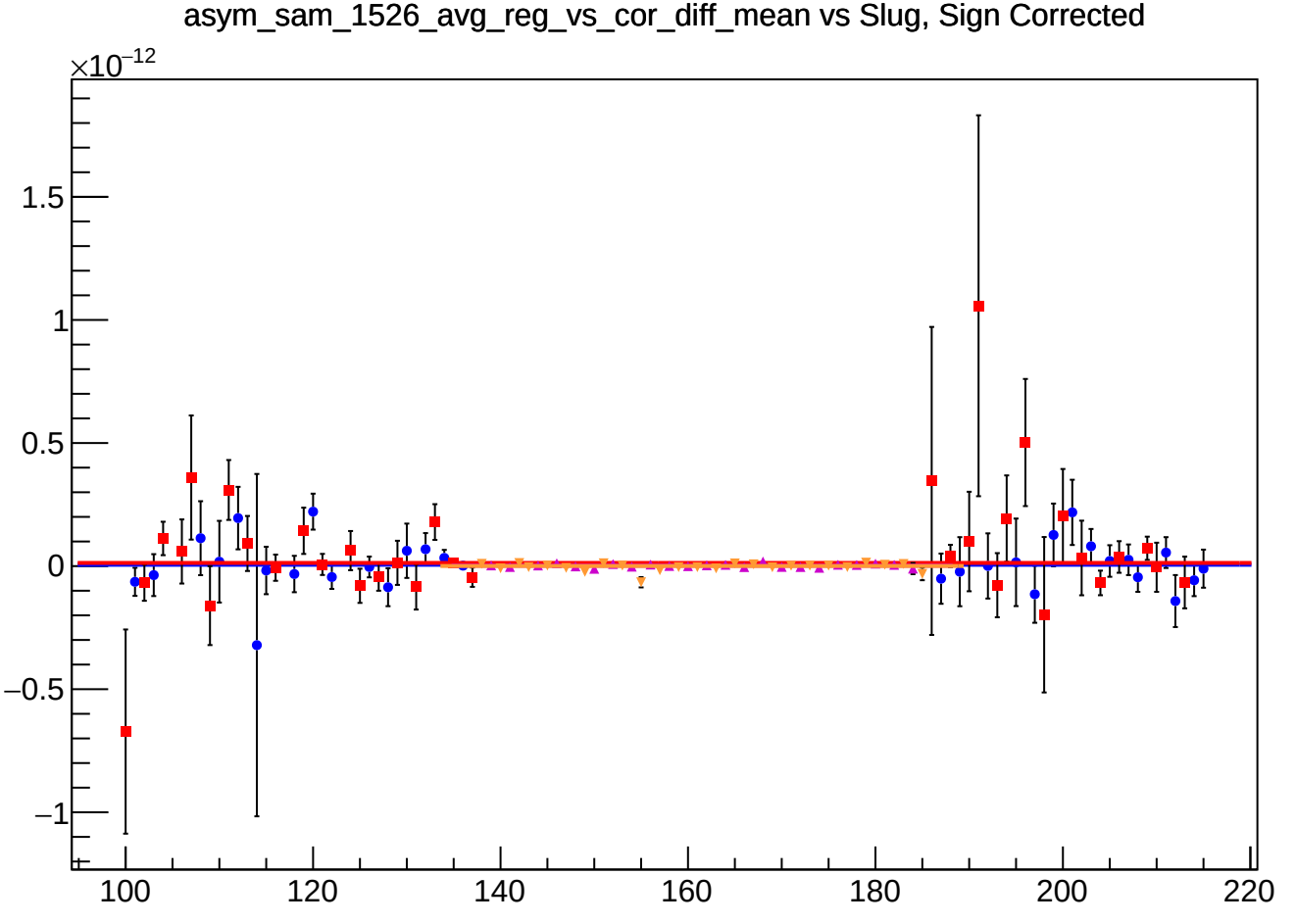
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 721.286+/-0.087 χ^2/NDF: 7191991.5/64

In: 303.716+/-0.040 χ^2/NDF:17355330.7/53

Out: 301.539+/-0.040 χ^2/NDF:18769245.4/58

All: 302.617+/-0.028 χ^2/NDF: 36126060.9/11



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.7/33

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

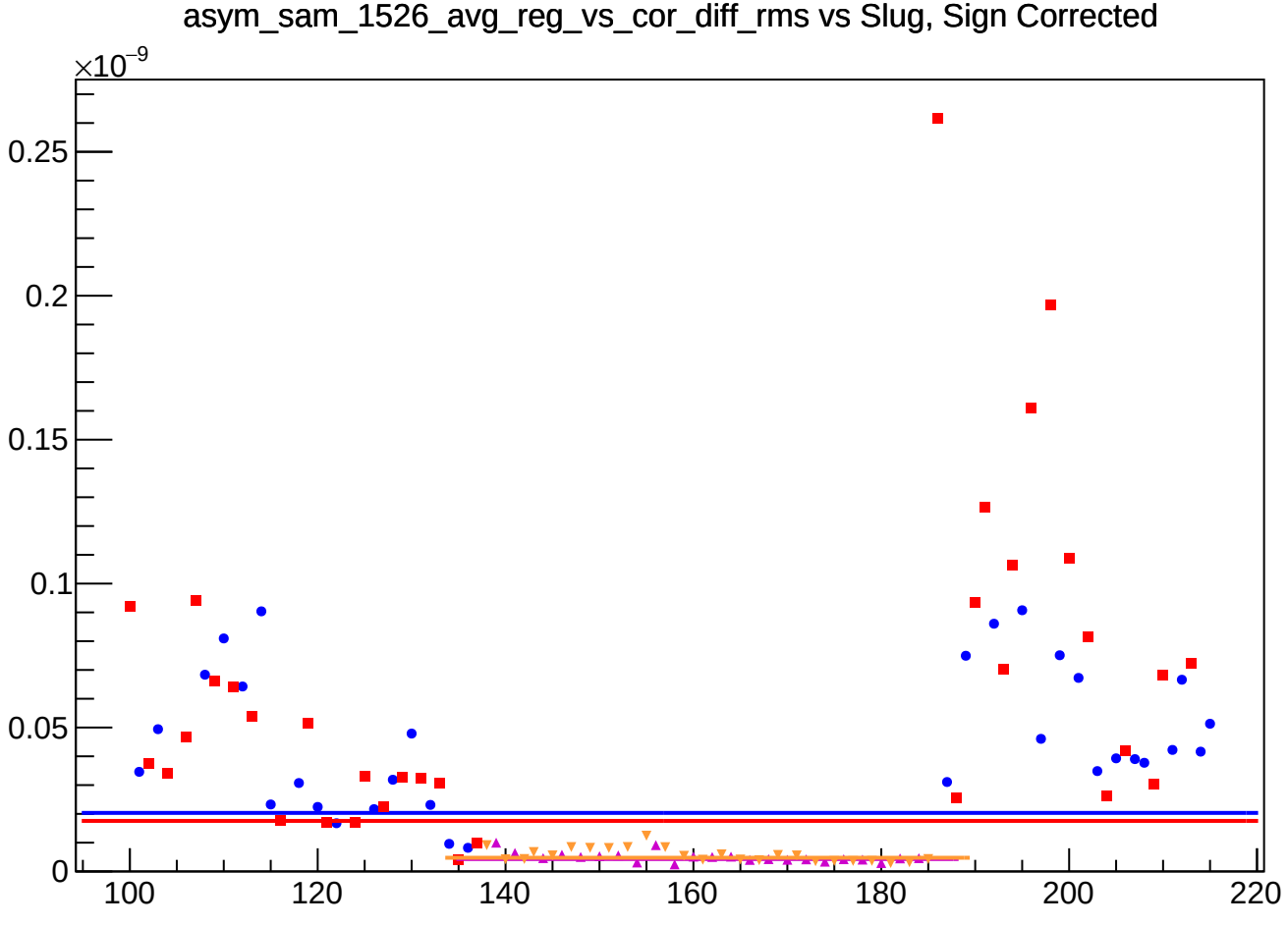
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 72.8/64

In: 0.000+/-0.000 χ^2/NDF:42.9/53

Out: 0.000+/-0.000 χ^2/NDF:72.3/58

All: 0.000+/-0.000 χ^2/NDF: 115.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 6794362.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9121923.2/33

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

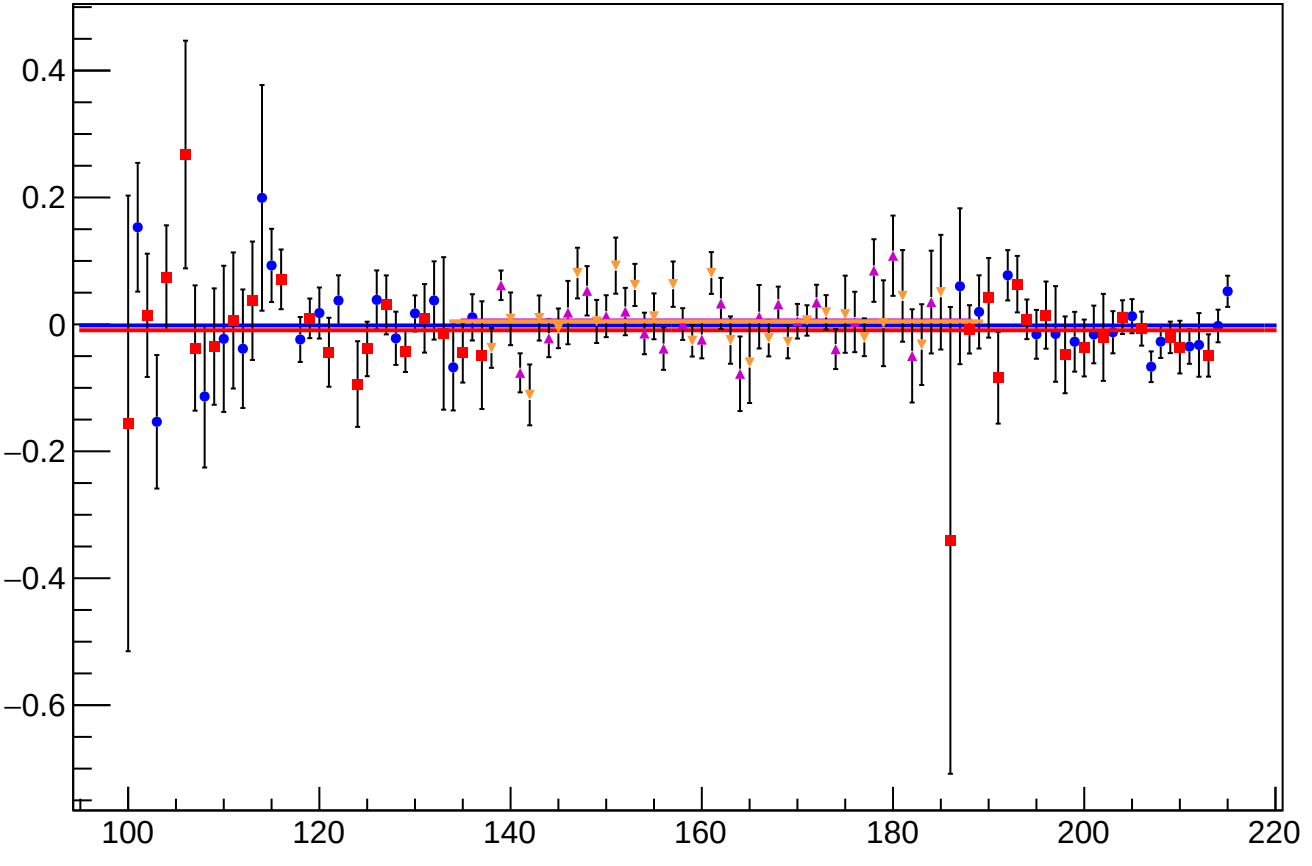
Right: 0.000+/-0.000 χ^2/NDF: 16001857.2/64

In: 0.000+/-0.000 χ^2/NDF:13313406.1/53

Out: 0.000+/-0.000 χ^2/NDF:14196720.0/58

All: 0.000+/-0.000 χ^2/NDF: 27542631.2/112

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.008 χ^2/NDF: 21.6/33

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

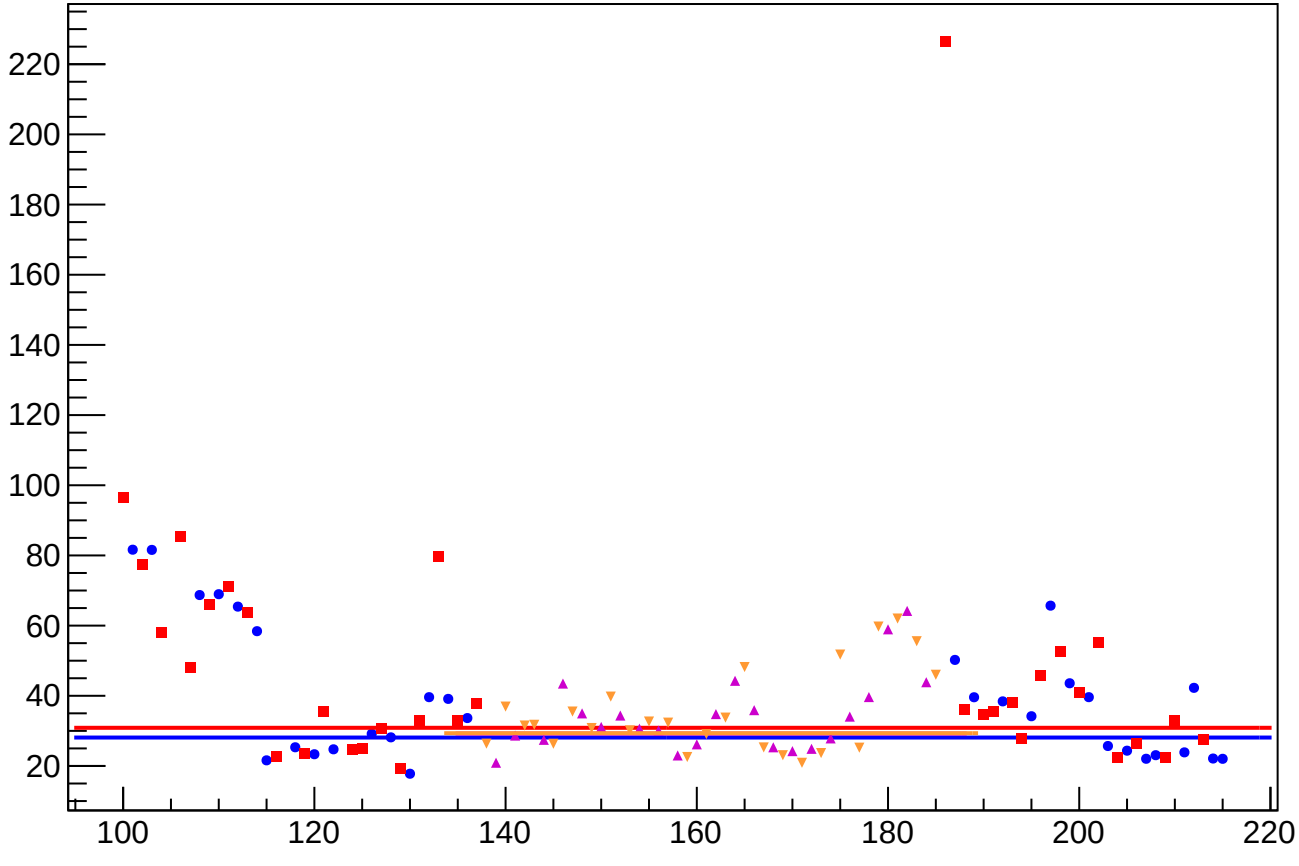
Right: -0.005+/-0.005 χ^2/NDF: 56.4/64

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: 0.001+/-0.004 χ^2/NDF: 123.4/112

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.101+/-0.005 χ^2/NDF: 4337159.9/30

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 30.878+/-0.006 χ^2/NDF: 4639328.0/33

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

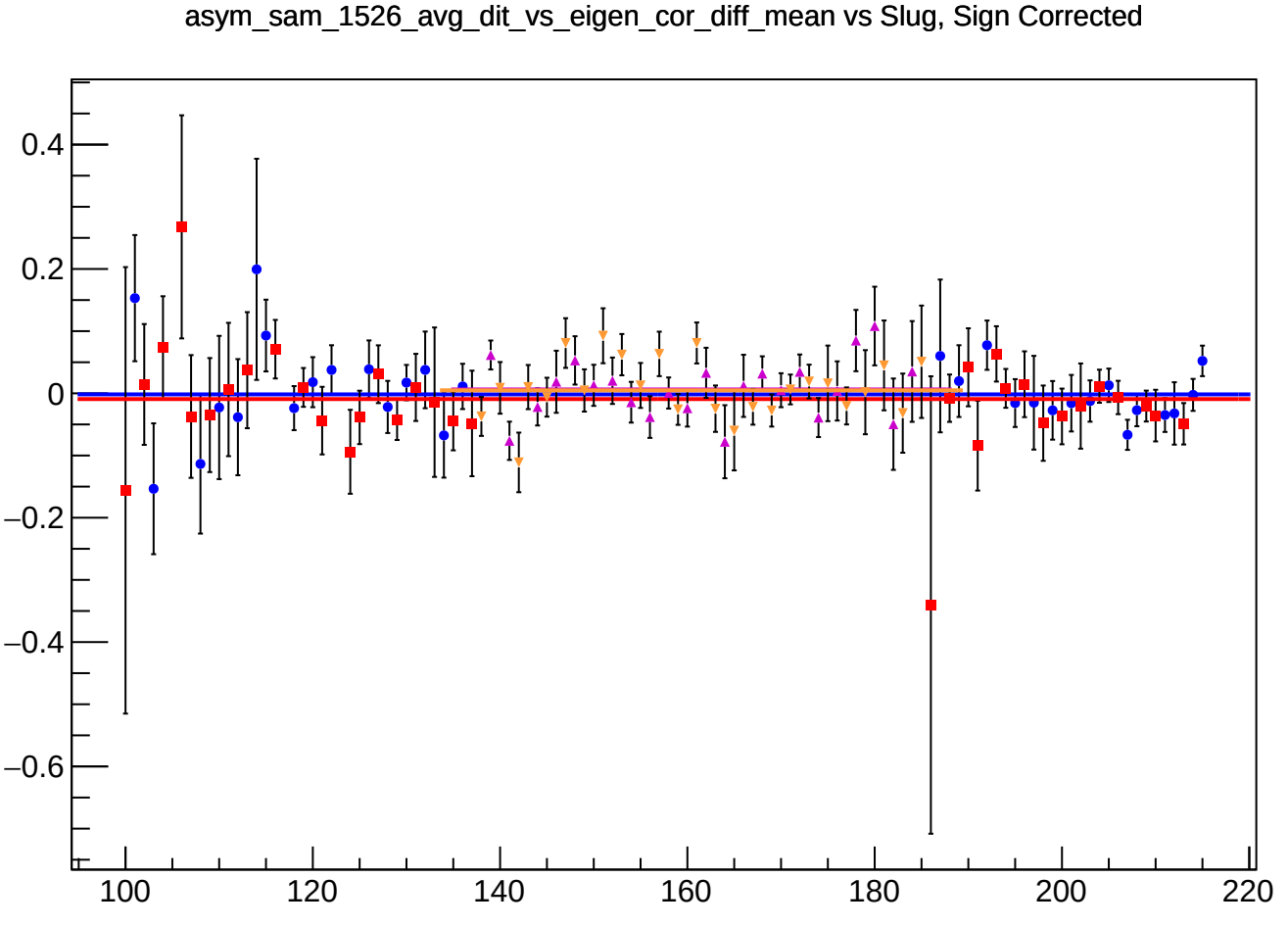
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 29.334+/-0.004 χ^2/NDF: 9110434.2/64

In: 28.655+/-0.004 χ^2/NDF:6459196.7/53

Out: 30.017+/-0.004 χ^2/NDF:7367946.2/58

All: 29.308+/-0.003 χ^2/NDF: 13895587.6/112



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.008 χ^2/NDF: 21.6/33

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

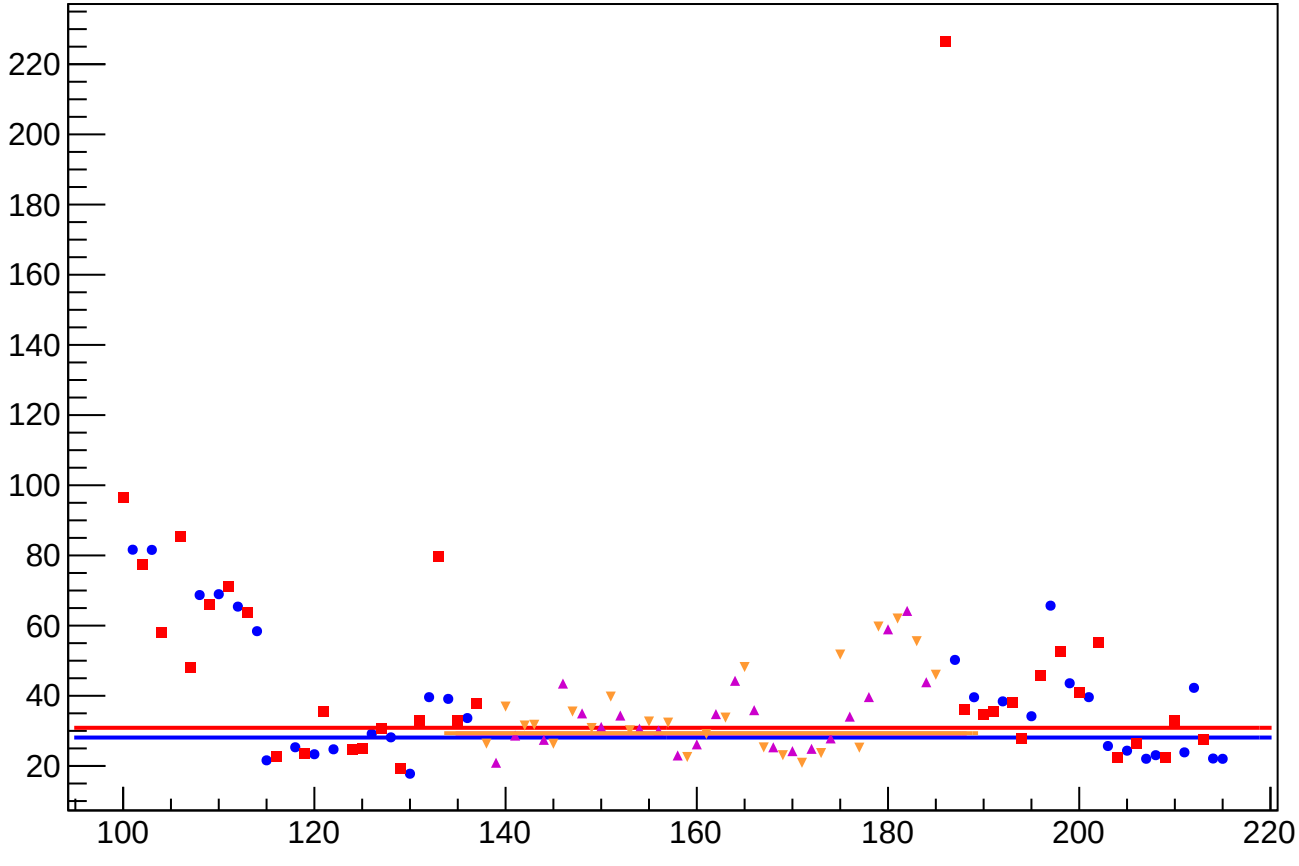
Right: -0.005+/-0.005 χ^2/NDF: 56.4/64

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: 0.001+/-0.004 χ^2/NDF: 123.4/112

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.101+/-0.005 χ^2/NDF: 4337159.9/30

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 30.878+/-0.006 χ^2/NDF: 4639328.0/33

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

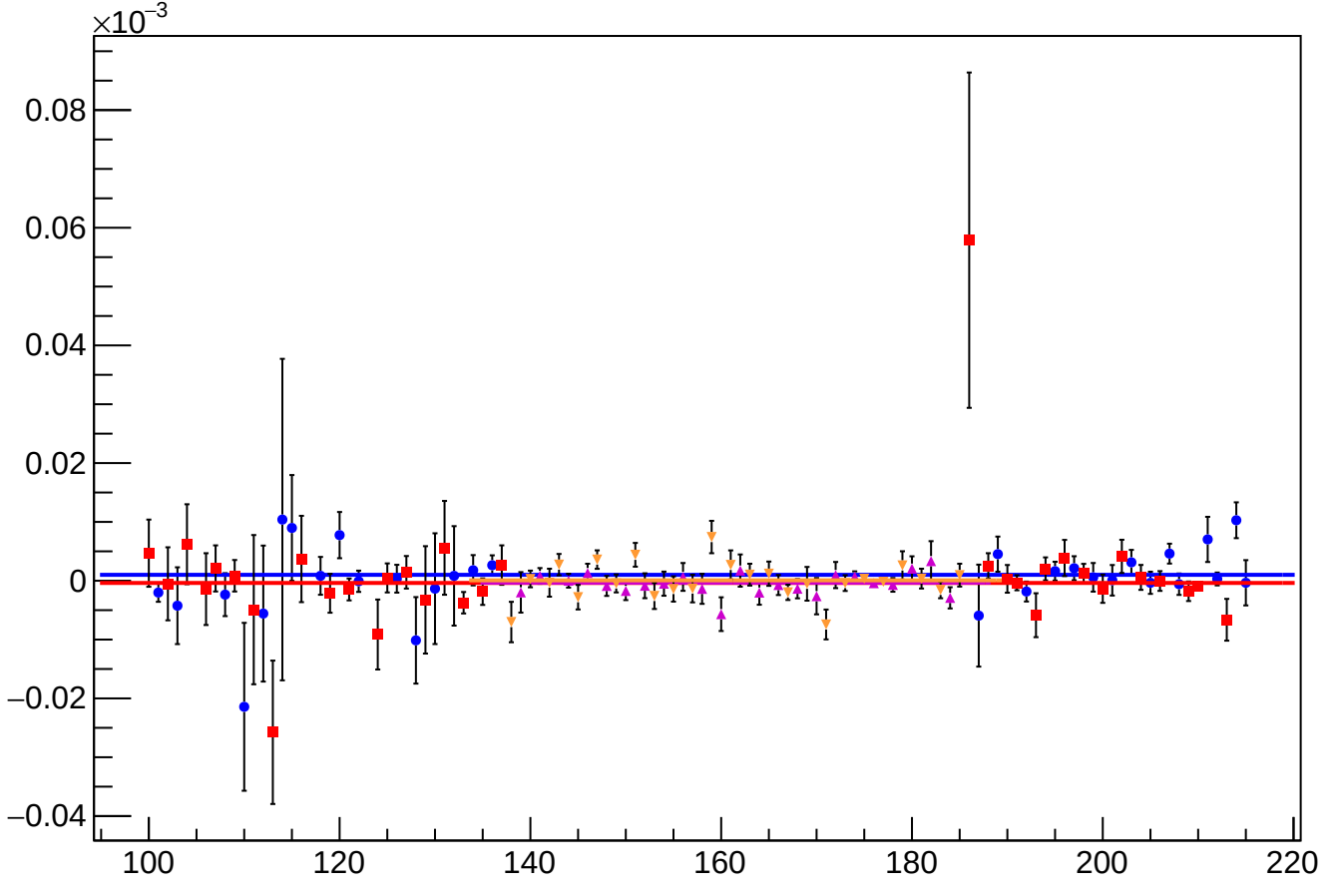
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 29.334+/-0.004 χ^2/NDF: 9110434.2/64

In: 28.655+/-0.004 χ^2/NDF:6459196.7/53

Out: 30.017+/-0.004 χ^2/NDF:7367946.2/58

All: 29.308+/-0.003 χ^2/NDF: 13895587.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/33

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

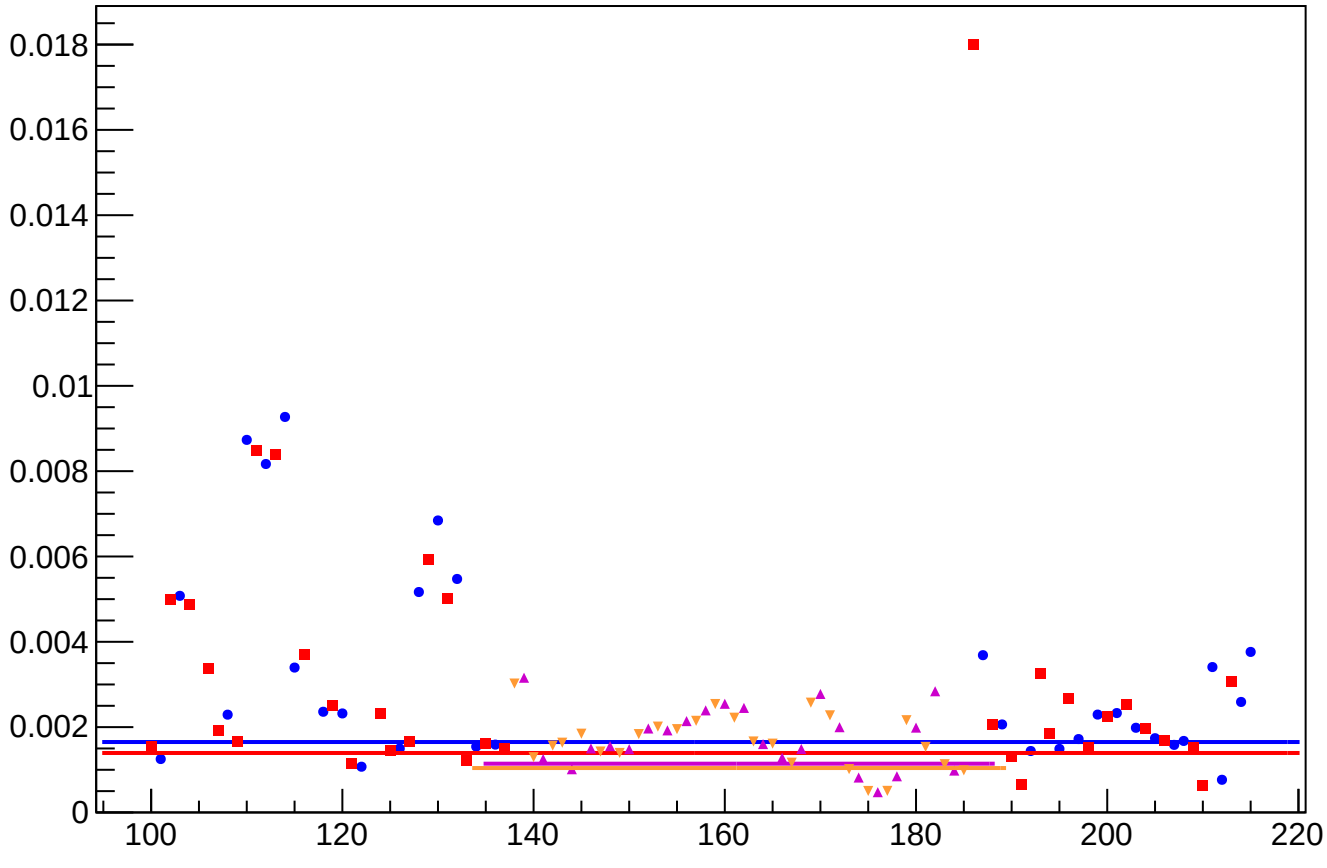
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 81.6/64

In: 0.000+/-0.000 χ^2/NDF:61.9/53

Out: -0.000+/-0.000 χ^2/NDF:80.3/58

All: 0.000+/-0.000 χ^2/NDF: 142.6/112



Right In: 0.002+/-0.000 χ^2/NDF: 7009858.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10235927.8/33

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

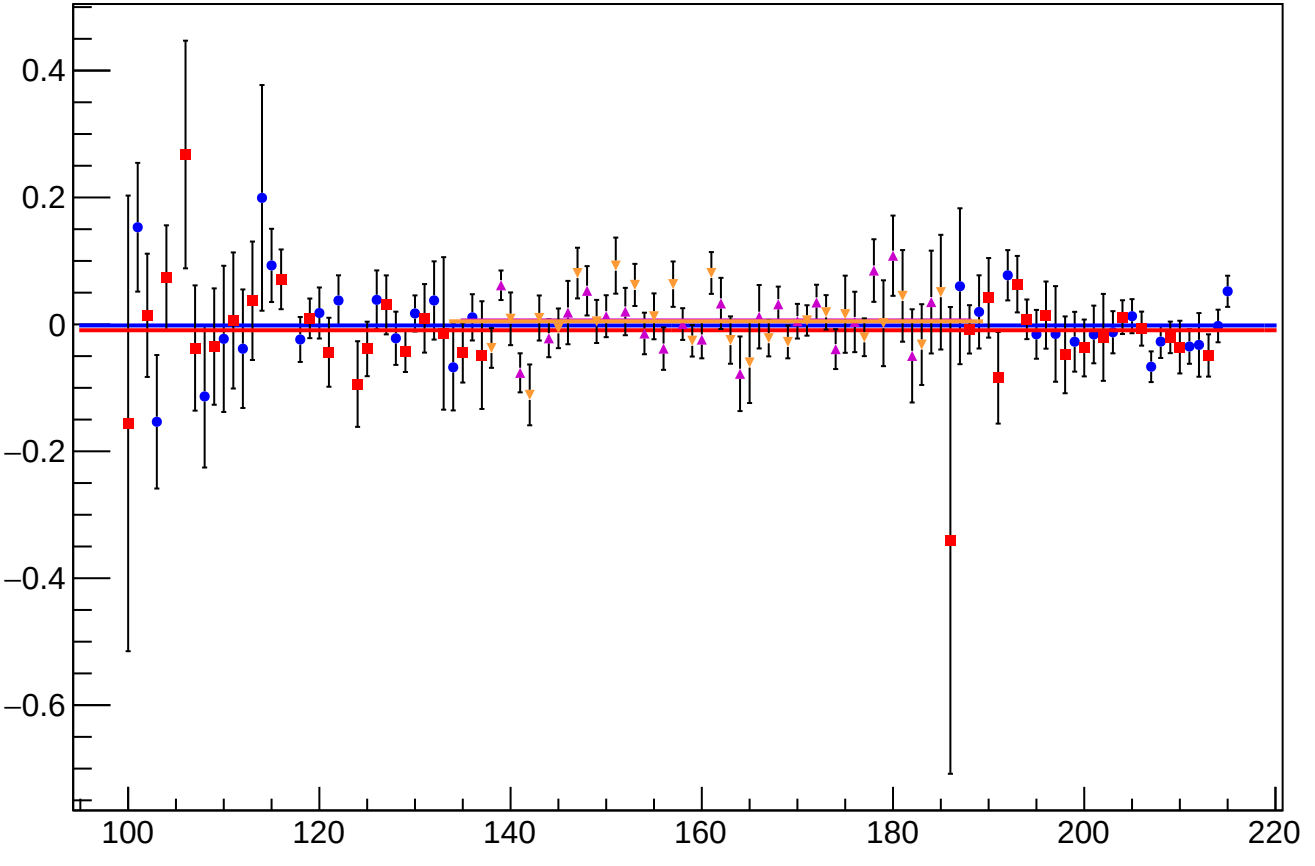
Right: 0.002+/-0.000 χ^2/NDF: 17641208.3/64

In: 0.001+/-0.000 χ^2/NDF:17127020.2/53

Out: 0.001+/-0.000 χ^2/NDF:21164209.4/58

All: 0.001+/-0.000 χ^2/NDF: 38705876.1/112

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.008 χ^2/NDF: 21.6/33

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

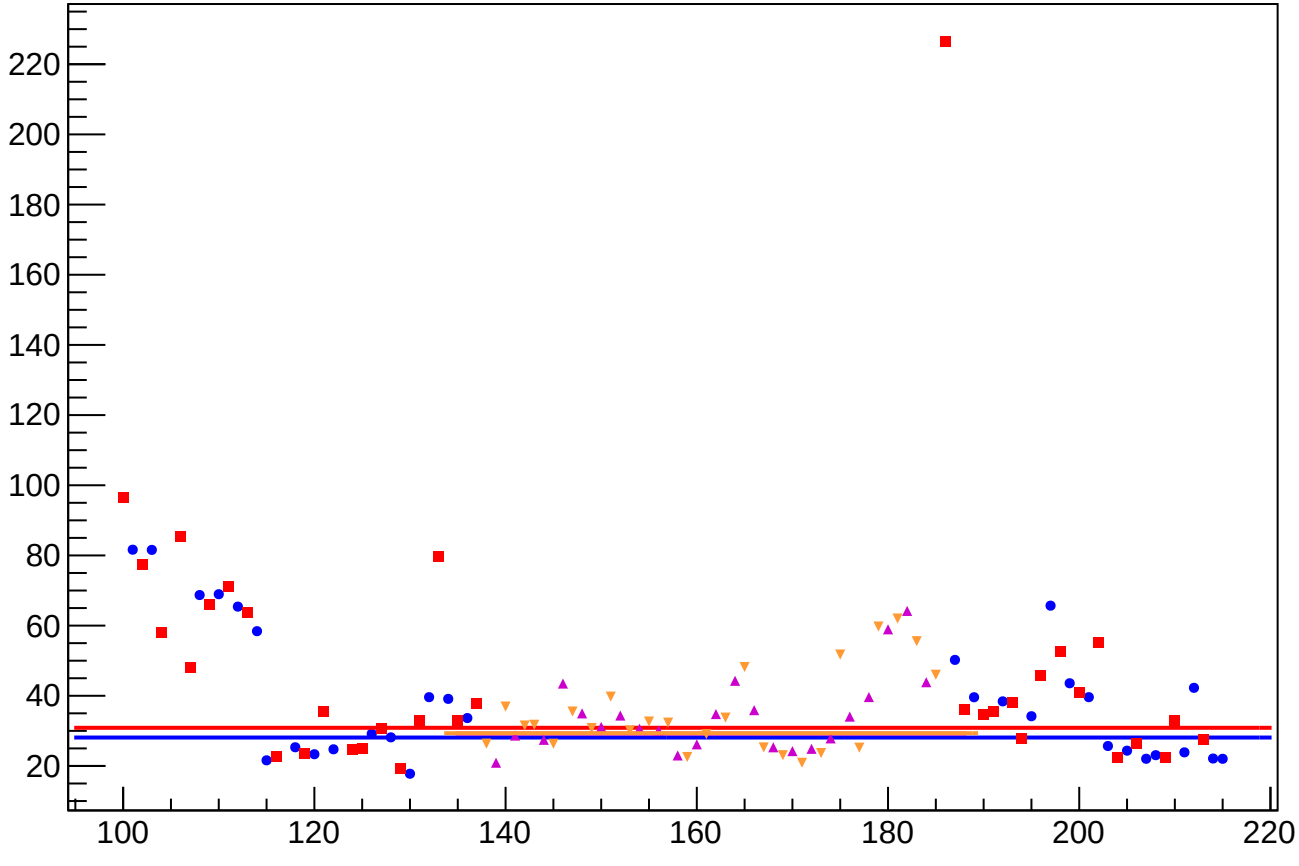
Right: -0.005+/-0.005 χ^2/NDF: 56.4/64

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: 0.001+/-0.004 χ^2/NDF: 123.4/112

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.101+/-0.005 χ^2/NDF: 4337370.2/30

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 30.878+/-0.006 χ^2/NDF: 4639486.6/33

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

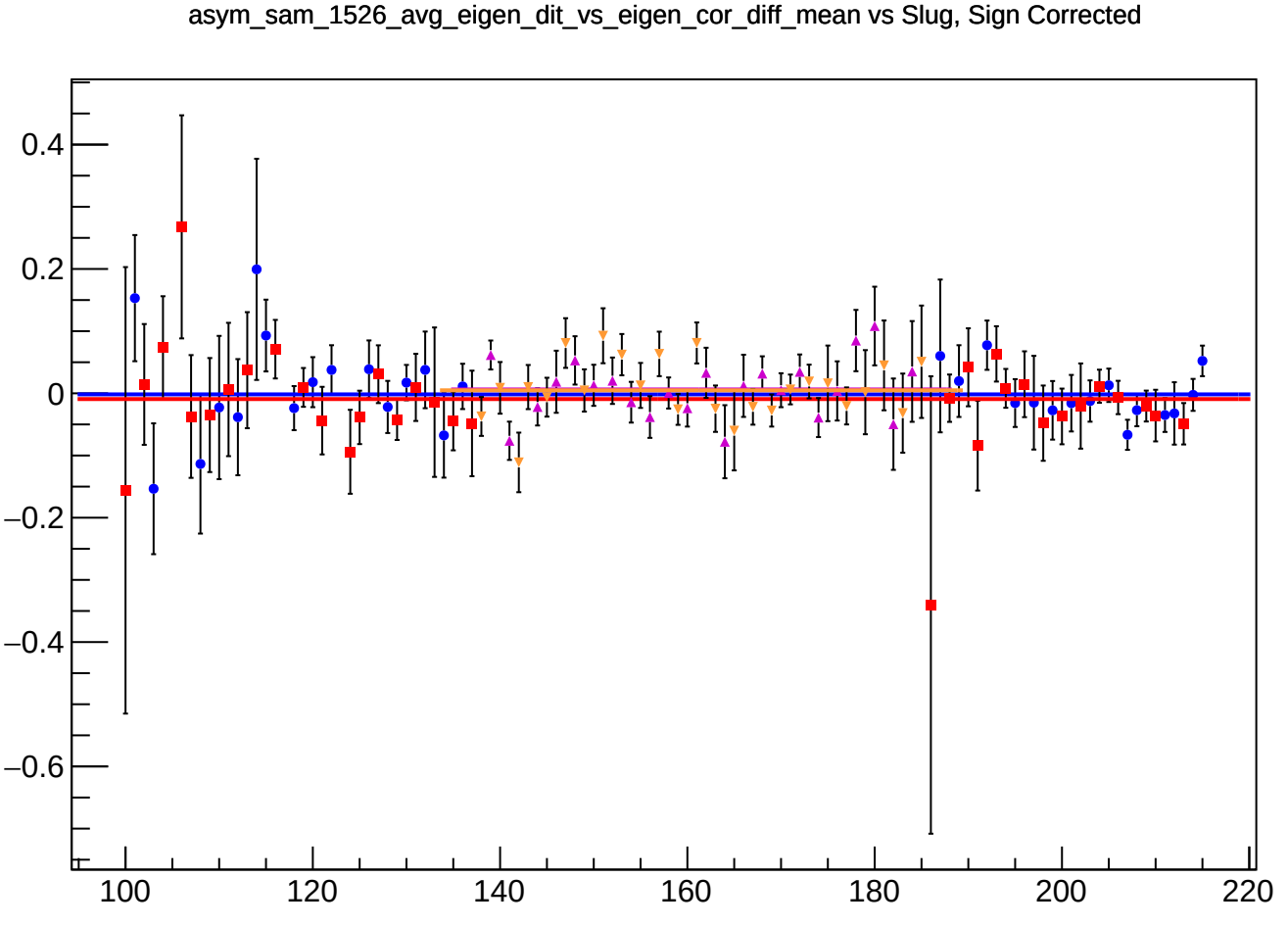
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 29.334+/-0.004 χ^2/NDF: 9110801.0/64

In: 28.655+/-0.004 χ^2/NDF:6459408.4/53

Out: 30.017+/-0.004 χ^2/NDF:7368107.8/58

All: 29.307+/-0.003 χ^2/NDF: 13895955.2/112



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.008 χ^2/NDF: 21.6/33

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

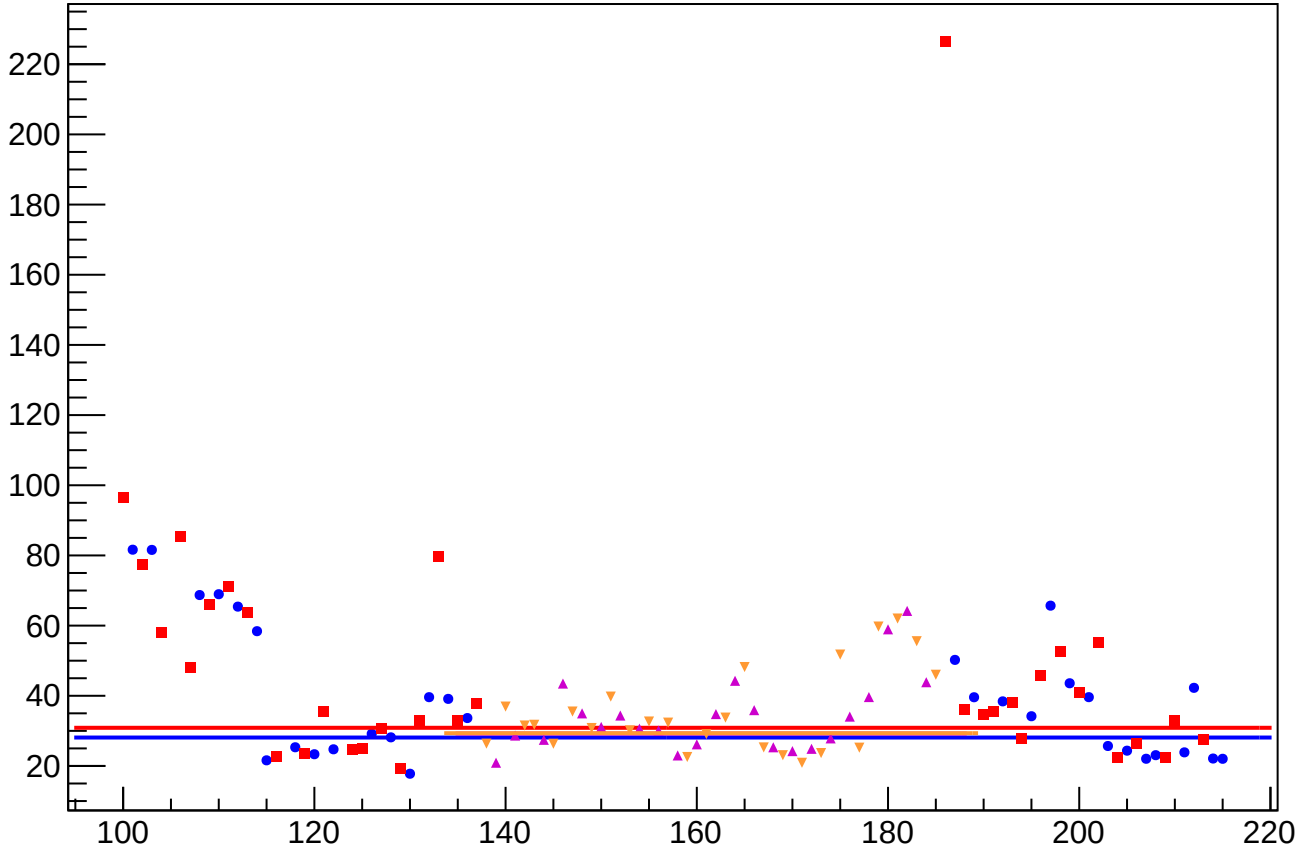
Right: -0.005+/-0.005 χ^2/NDF: 56.4/64

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: -0.001+/-0.005 χ^2/NDF:57.3/58

All: 0.001+/-0.004 χ^2/NDF: 123.4/112

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.101+/-0.005 χ^2/NDF: 4337370.2/30

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 30.878+/-0.006 χ^2/NDF: 4639486.6/33

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

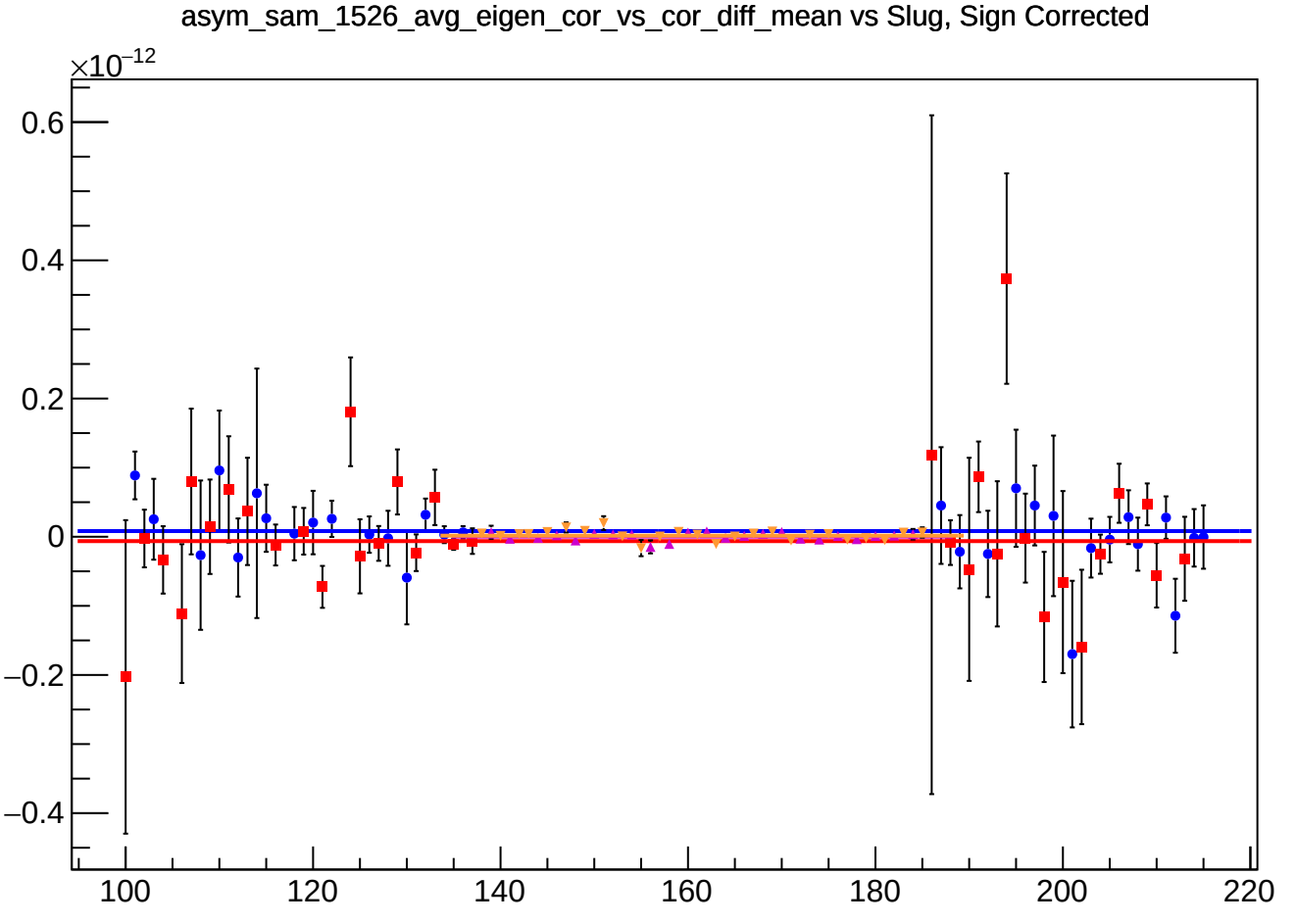
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 29.334+/-0.004 χ^2/NDF: 9110801.0/64

In: 28.655+/-0.004 χ^2/NDF:6459408.4/53

Out: 30.017+/-0.004 χ^2/NDF:7368107.8/58

All: 29.307+/-0.003 χ^2/NDF: 13895955.2/112



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.2/33

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

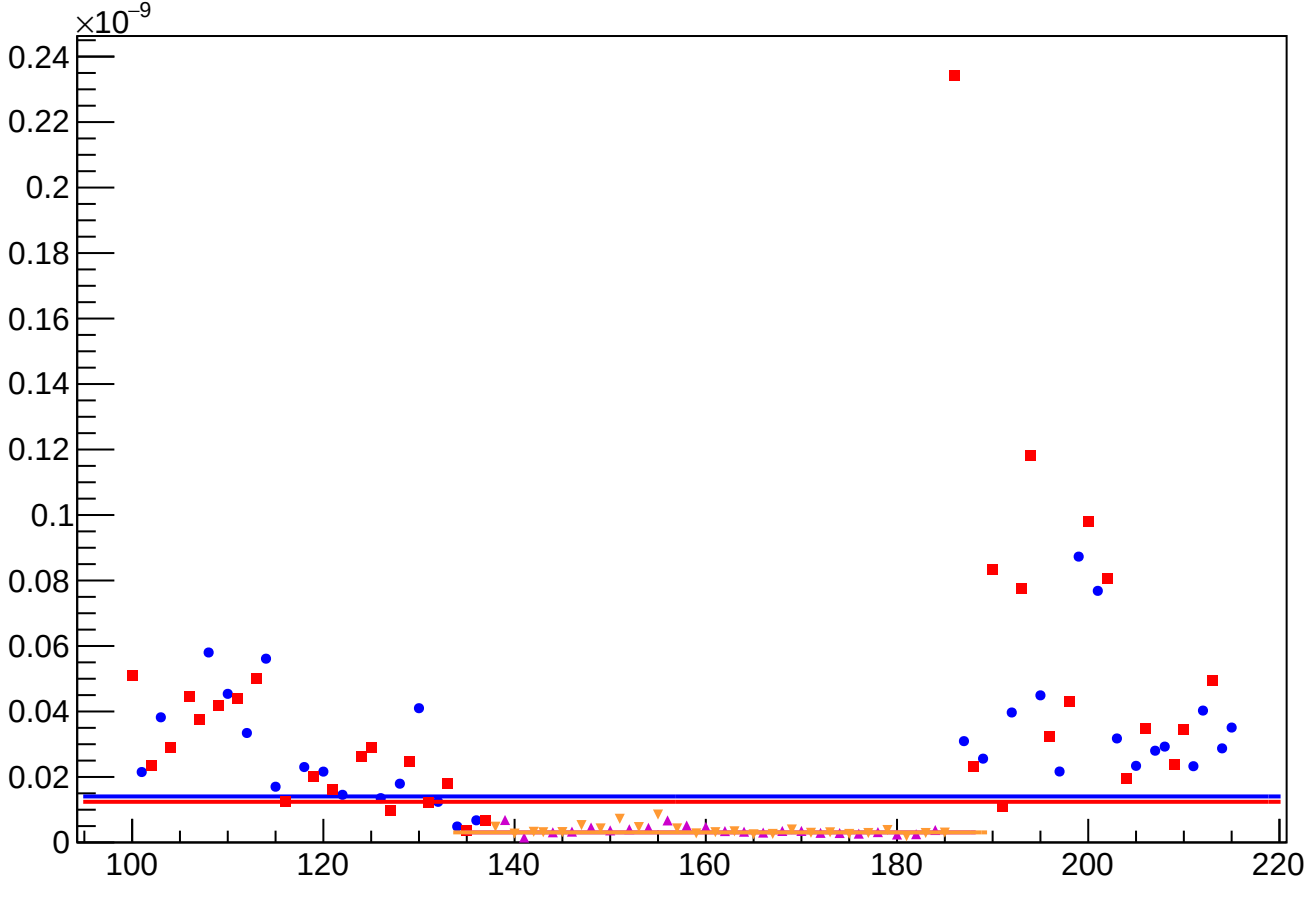
Right: 0.000+/-0.000 χ^2/NDF: 67.3/64

In: 0.000+/-0.000 χ^2/NDF:42.2/53

Out: 0.000+/-0.000 χ^2/NDF:79.2/58

All: 0.000+/-0.000 χ^2/NDF: 121.9/112

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9038438.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12063433.7/33

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

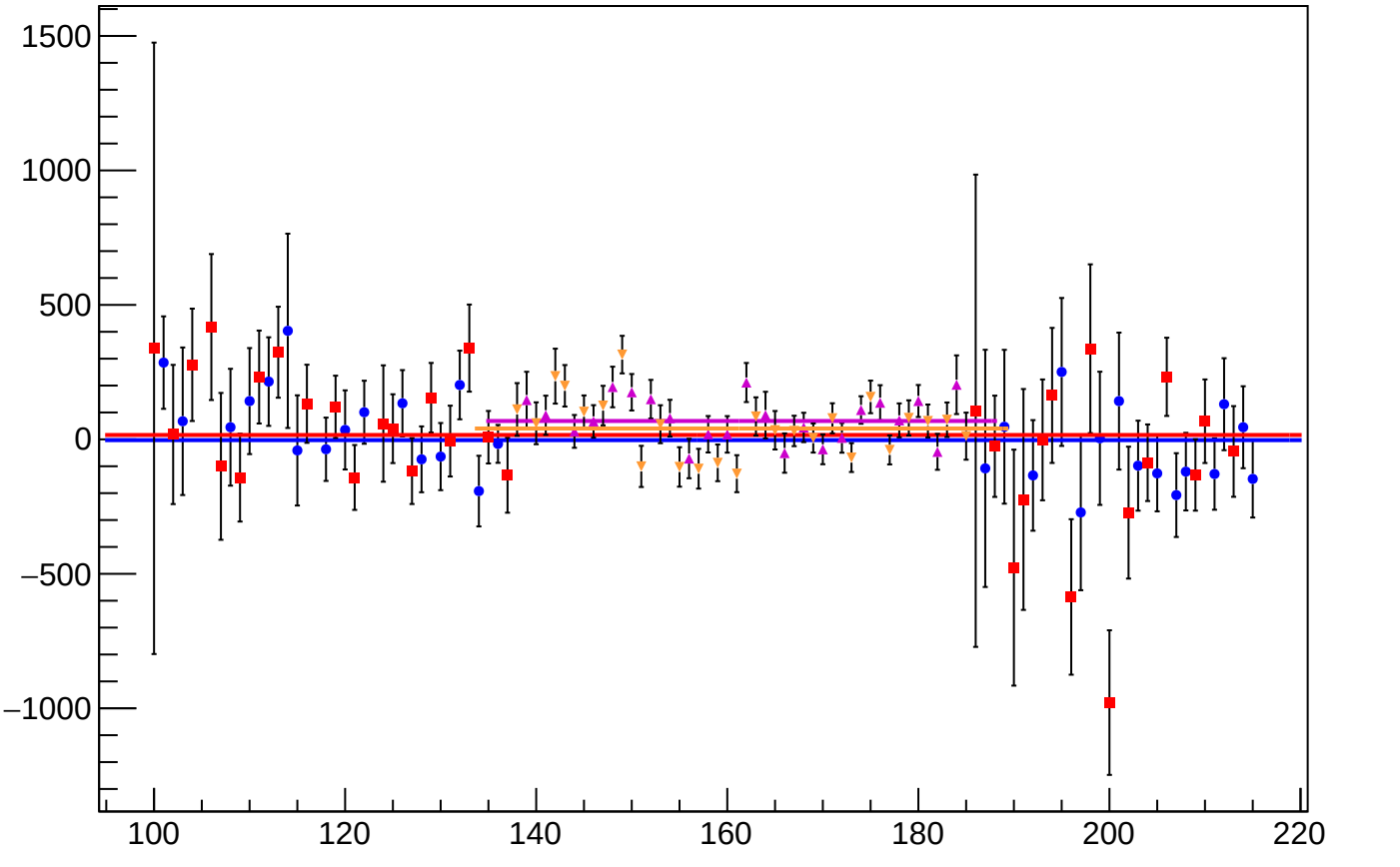
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 21193439.9/64

In: 0.000+/-0.000 χ^2/NDF:19228509.0/53

Out: 0.000+/-0.000 χ^2/NDF:19875051.5/58

All: 0.000+/-0.000 χ^2/NDF: 39109409.8/112



Right In: -2.905+/-27.457 χ^2/NDF: 22.6/30

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 16.229+/-29.084 χ^2/NDF: 47.3/33

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

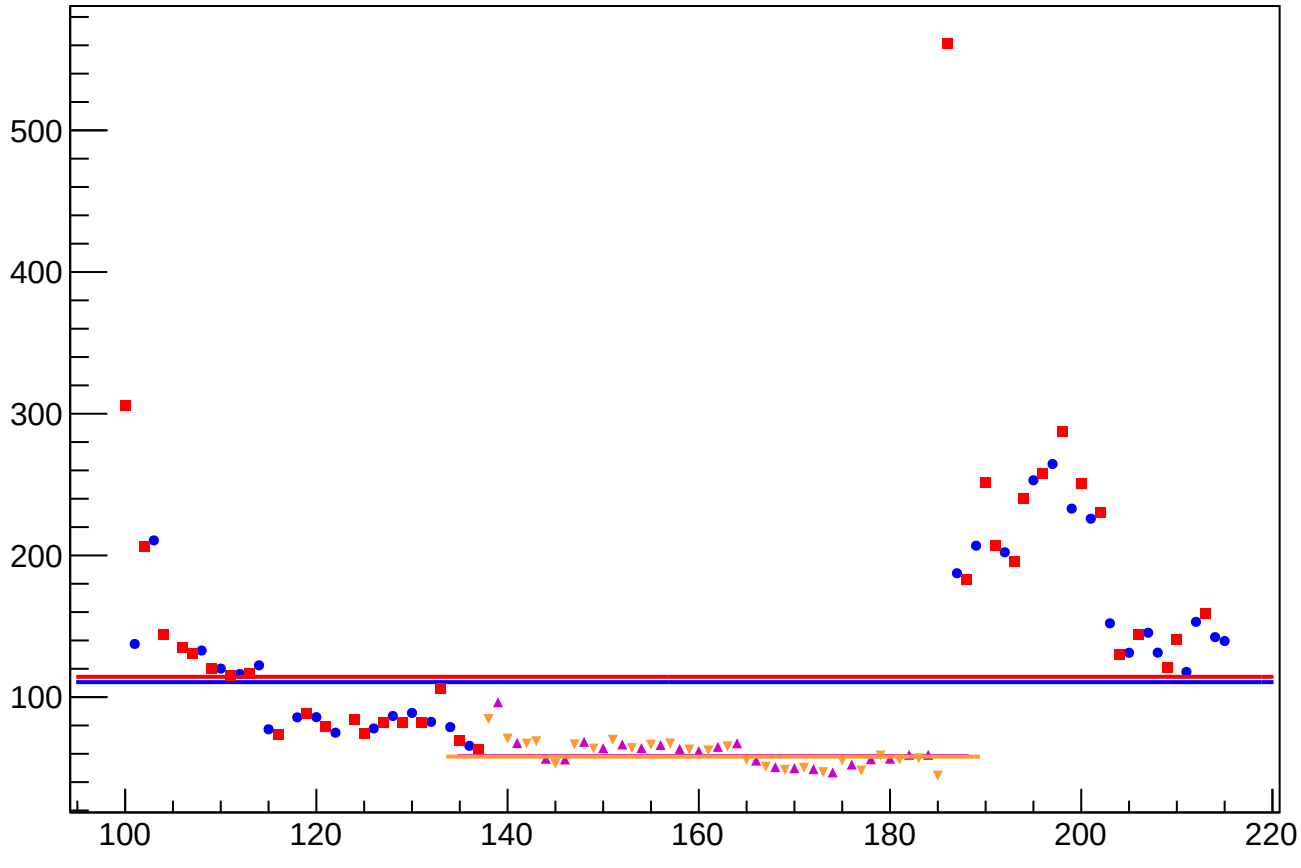
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 6.112+/-19.965 χ^2/NDF: 70.1/64

In: 53.865+/-12.377 χ^2/NDF:59.7/53

Out: 36.119+/-12.172 χ^2/NDF:107.3/58

All: 44.844+/-8.679 χ^2/NDF: 168.0/112



Right In: 110.579+/-0.019 χ^2/NDF: 5327874.7/30

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 114.328+/-0.021 χ^2/NDF: 6330506.0/33

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

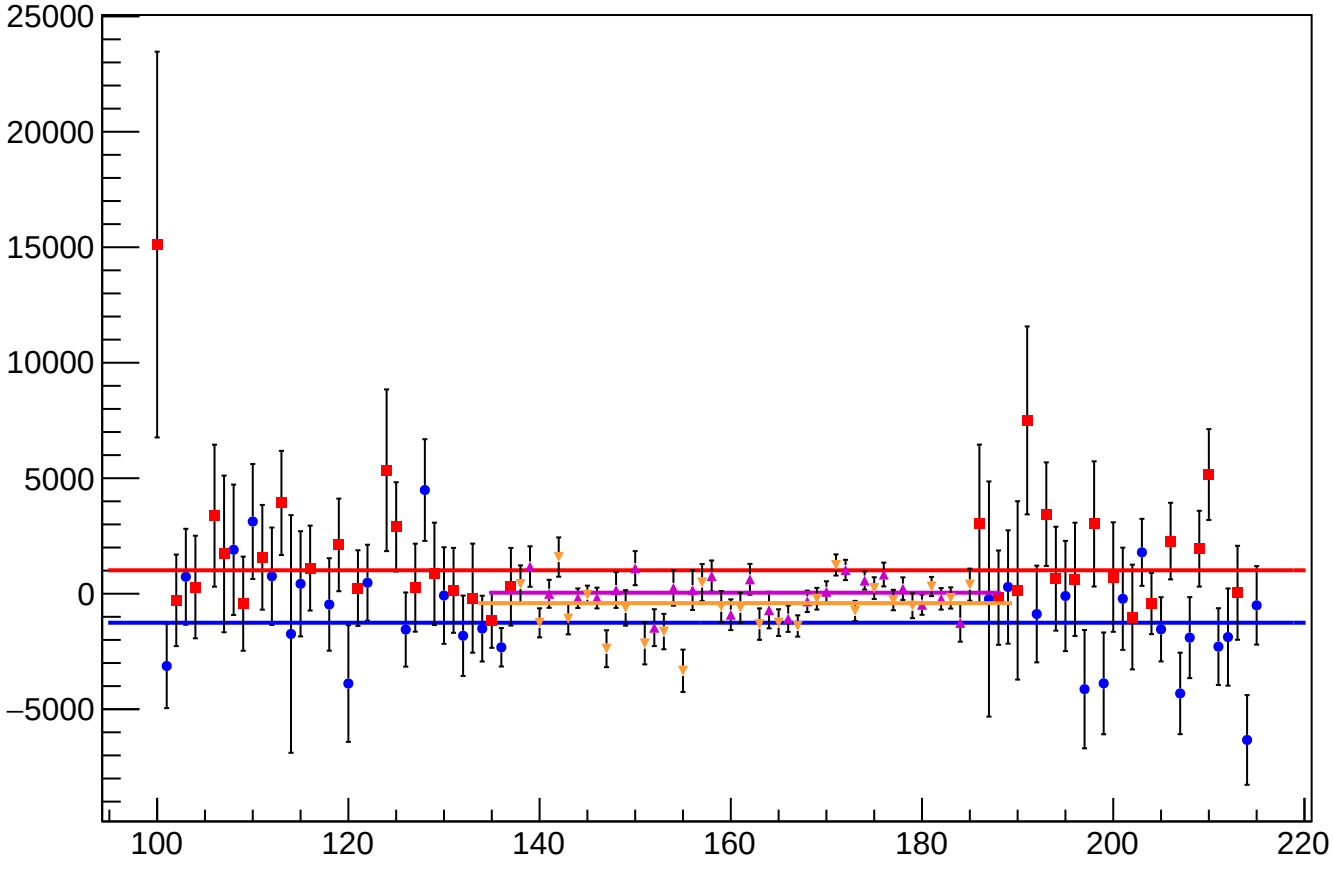
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 112.346+/-0.014 χ^2/NDF: 11675955.7/64

In: 69.001+/-0.009 χ^2/NDF:11819074.7/53

Out: 67.862+/-0.009 χ^2/NDF:13326986.1/58

All: 68.422+/-0.006 χ^2/NDF: 25154674.5/112



Right In: -1255.552+/-330.533 χ^2/NDF: 37.8/30

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 1014.847+/-355.880 χ^2/NDF: 26.0/33

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

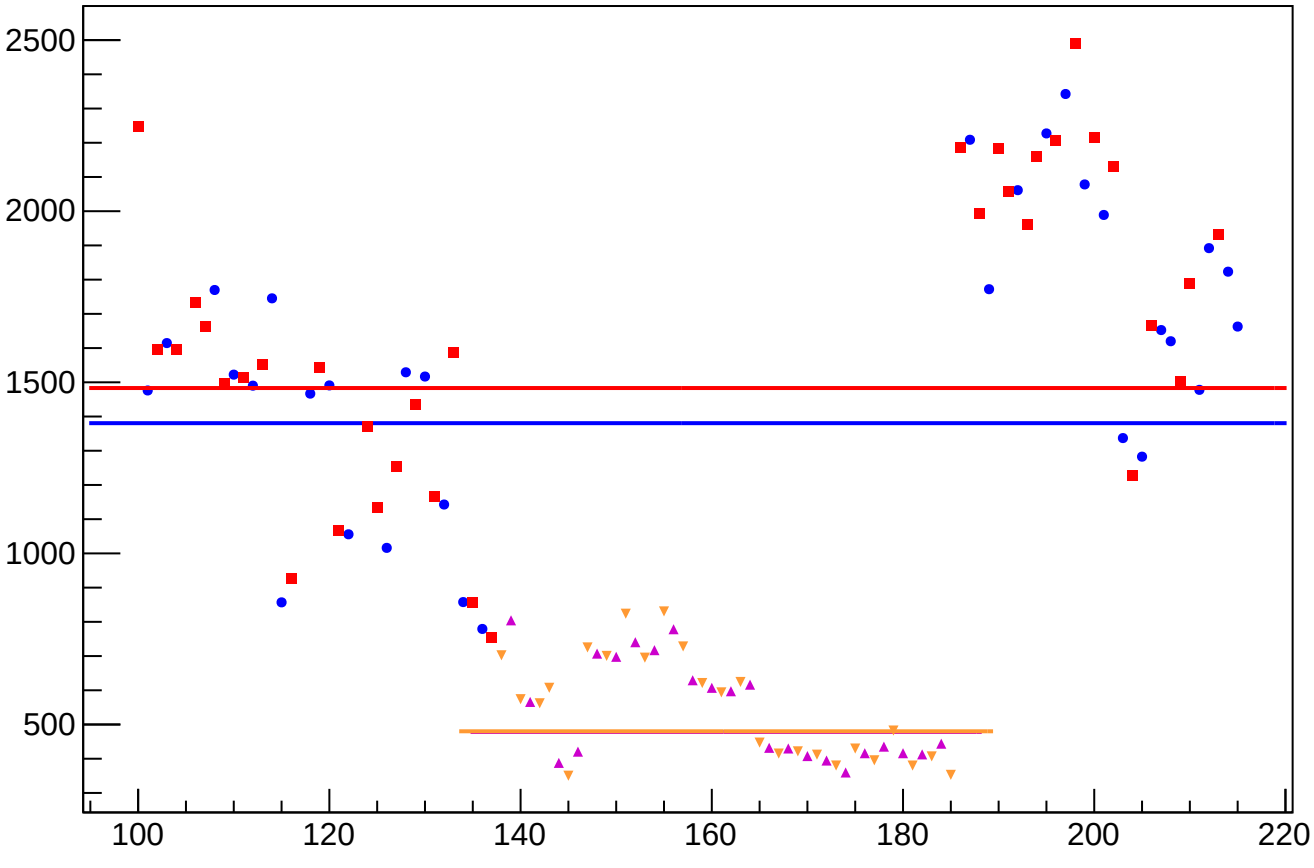
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -204.077+/-242.188 χ^2/NDF: 85.6/64

In: -97.253+/-109.258 χ^2/NDF:82.6/53

Out: -275.182+/-108.106 χ^2/NDF:103.6/58

All: -187.160+/-76.846 χ^2/NDF: 187.6/112



Right In: 1380.581+/-0.234 χ^2/NDF: 3337809.7/30

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1483.256+/-0.252 χ^2/NDF: 3080237.7/33

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

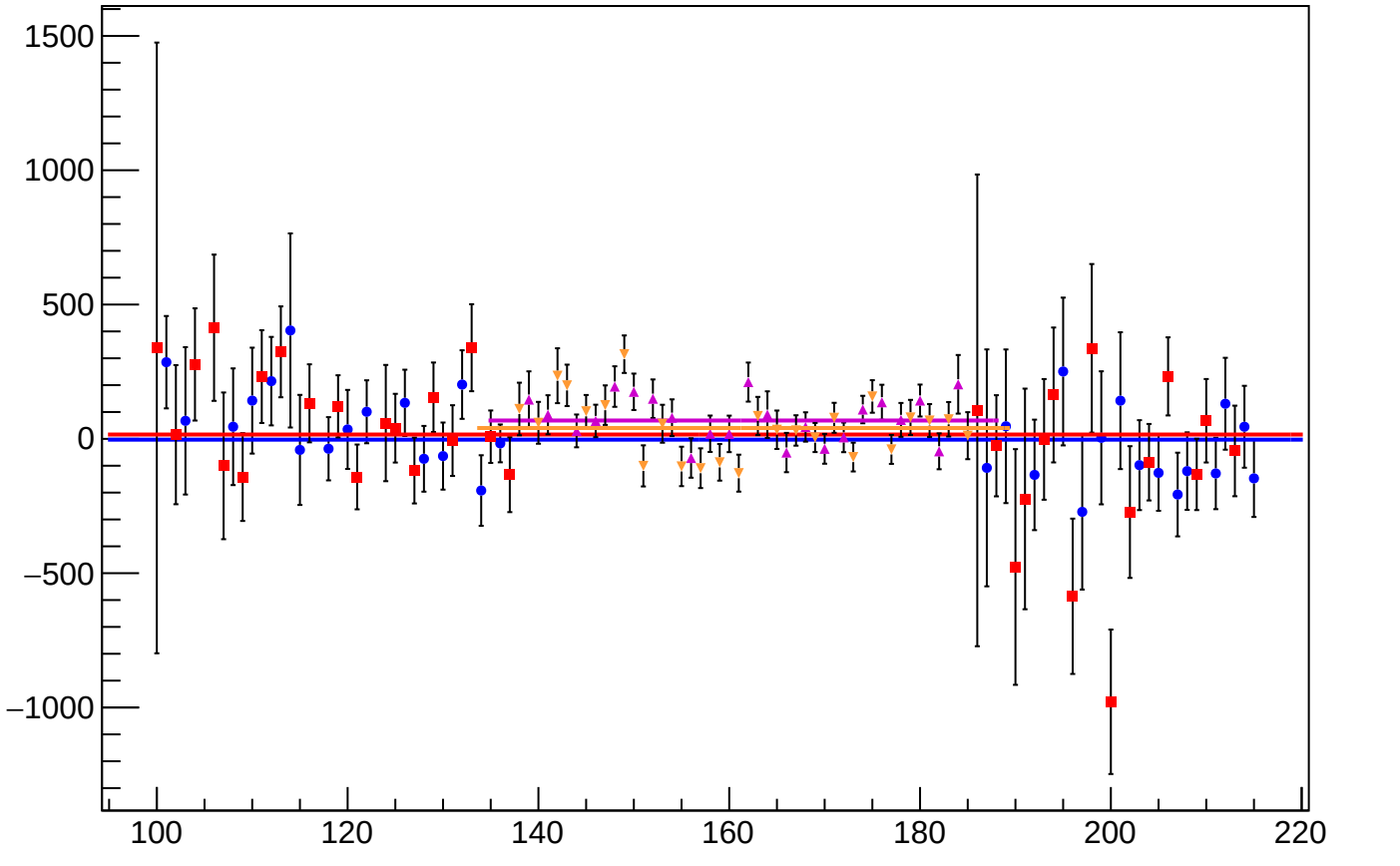
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1428.132+/-0.171 χ^2/NDF: 6507422.8/64

In: 576.693+/-0.077 χ^2/NDF:18834669.8/53

Out: 572.723+/-0.076 χ^2/NDF:20085563.2/58

All: 574.687+/-0.054 χ^2/NDF: 38921567.2/1



Right In: -2.913+/-27.457 χ^2/NDF: 22.6/30

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 16.126+/-29.086 χ^2/NDF: 47.2/33

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

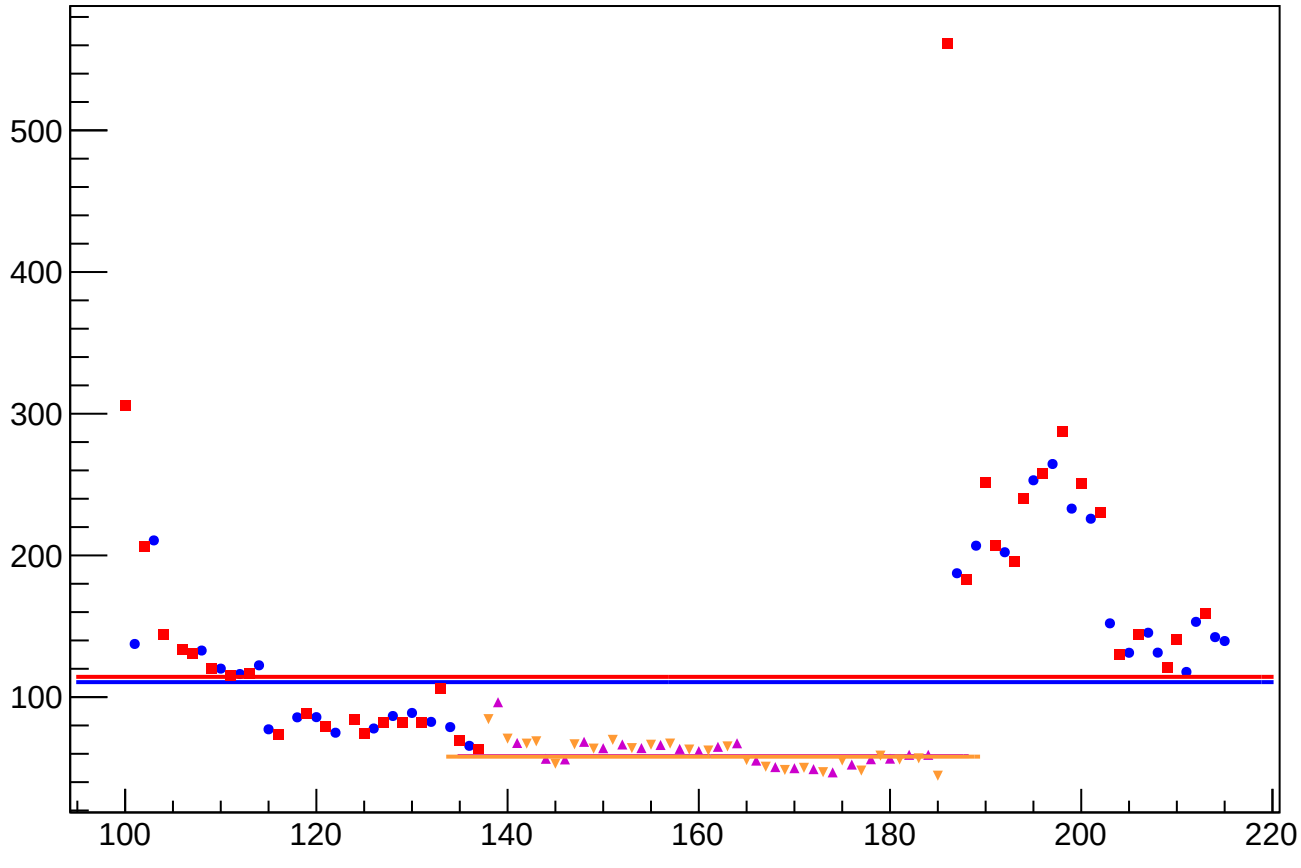
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 6.058+/-19.966 χ^2/NDF: 70.0/64

In: 53.863+/-12.377 χ^2/NDF:59.7/53

Out: 36.103+/-12.172 χ^2/NDF:107.2/58

All: 44.834+/-8.679 χ^2/NDF: 168.0/112



Right In: 110.579+/-0.019 χ^2/NDF: 5327877.7/30

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 114.304+/-0.021 χ^2/NDF: 6328646.8/33

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

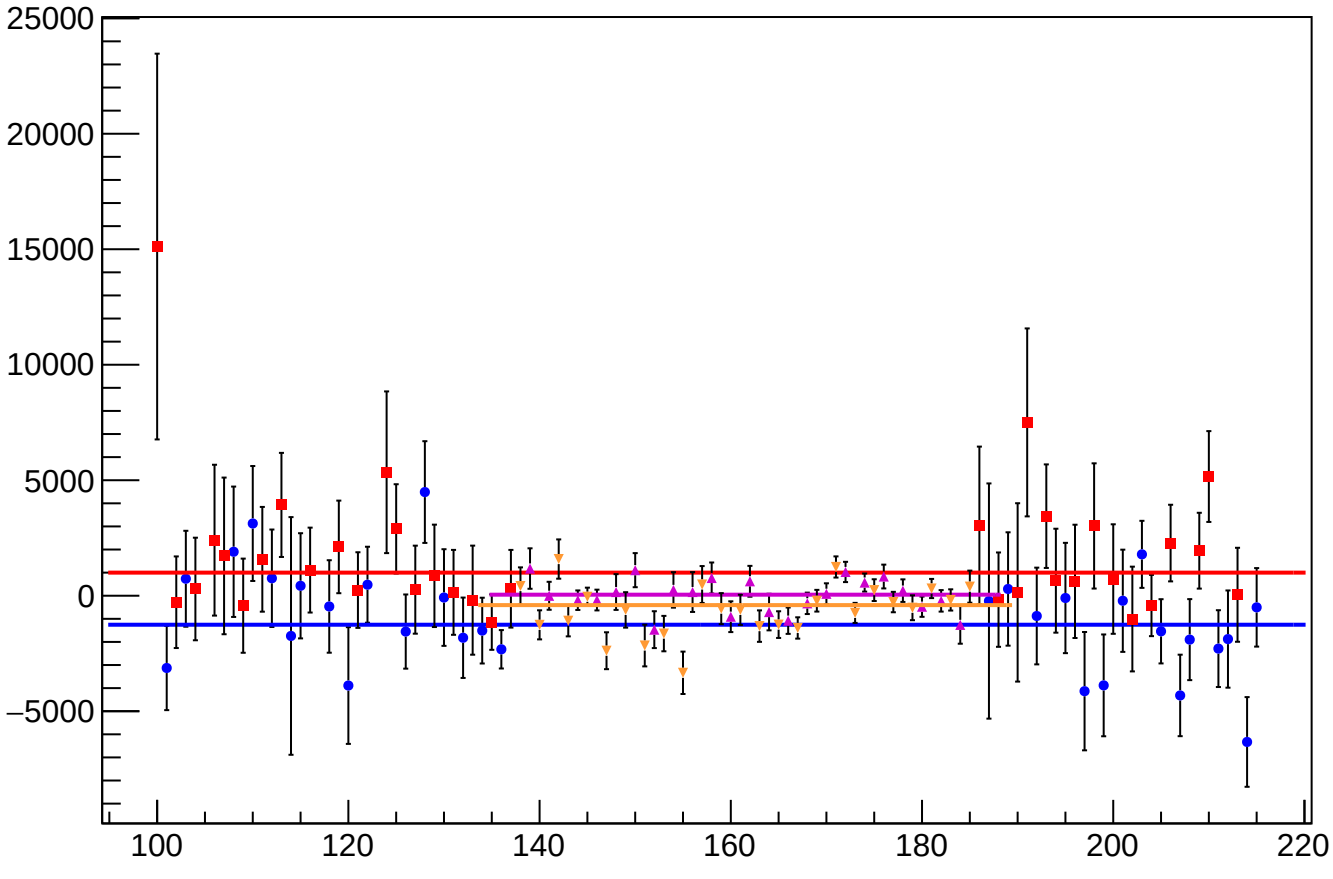
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 112.334+/-0.014 χ^2/NDF: 11673876.8/64

In: 69.001+/-0.009 χ^2/NDF:11819077.1/53

Out: 67.857+/-0.009 χ^2/NDF:13319472.2/58

All: 68.419+/-0.006 χ^2/NDF: 25147236.5/112



Right In: -1255.537+/-330.534 χ^2/NDF: 37.8/30

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 999.906+/-356.161 χ^2/NDF: 25.5/33

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

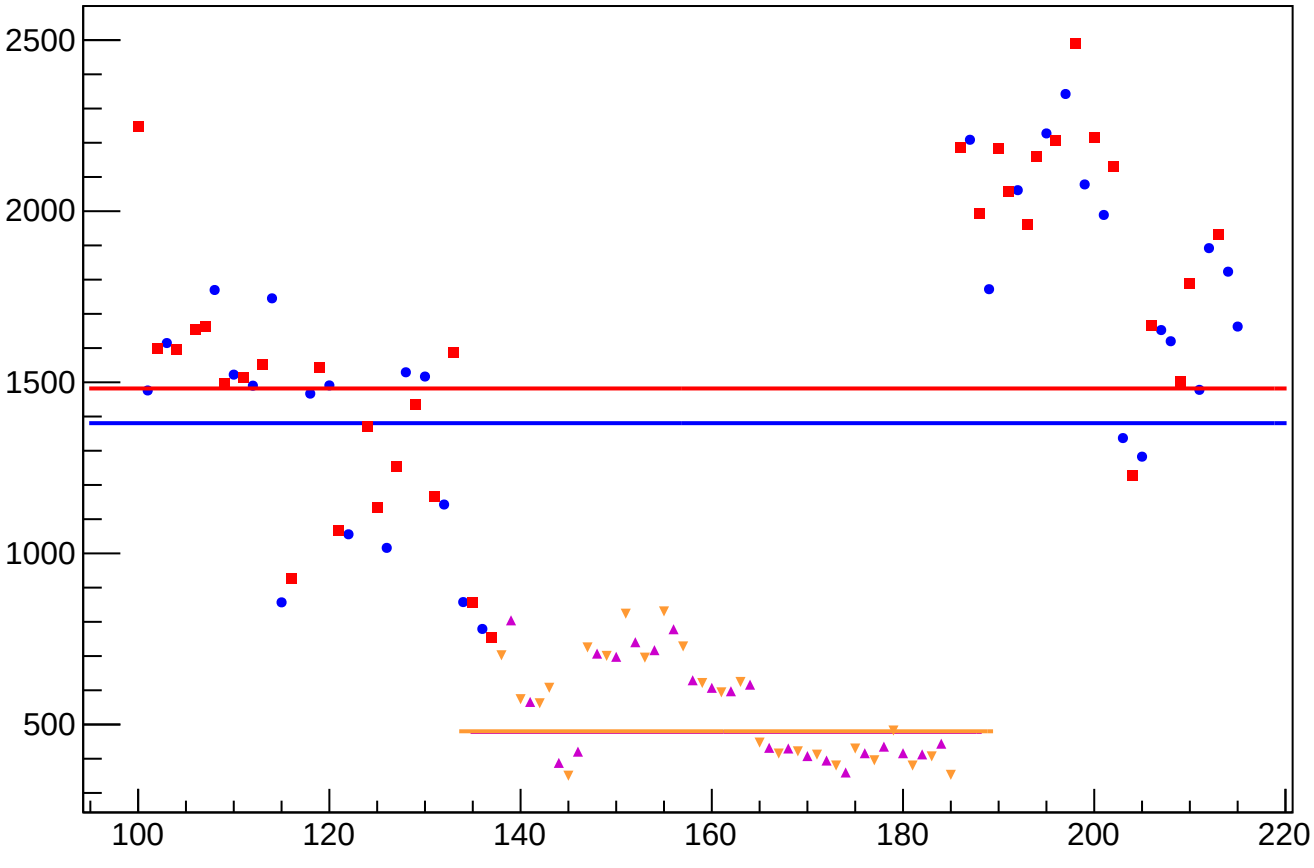
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -211.869+/-242.276 χ^2/NDF: 84.9/64

In: -97.252+/-109.258 χ^2/NDF:82.6/53

Out: -276.744+/-108.114 χ^2/NDF:102.9/58

All: -187.943+/-76.849 χ^2/NDF: 186.9/112



Right In: 1380.583+/-0.234 χ^2/NDF: 3337836.2/30

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1481.977+/-0.252 χ^2/NDF: 3072645.7/33

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

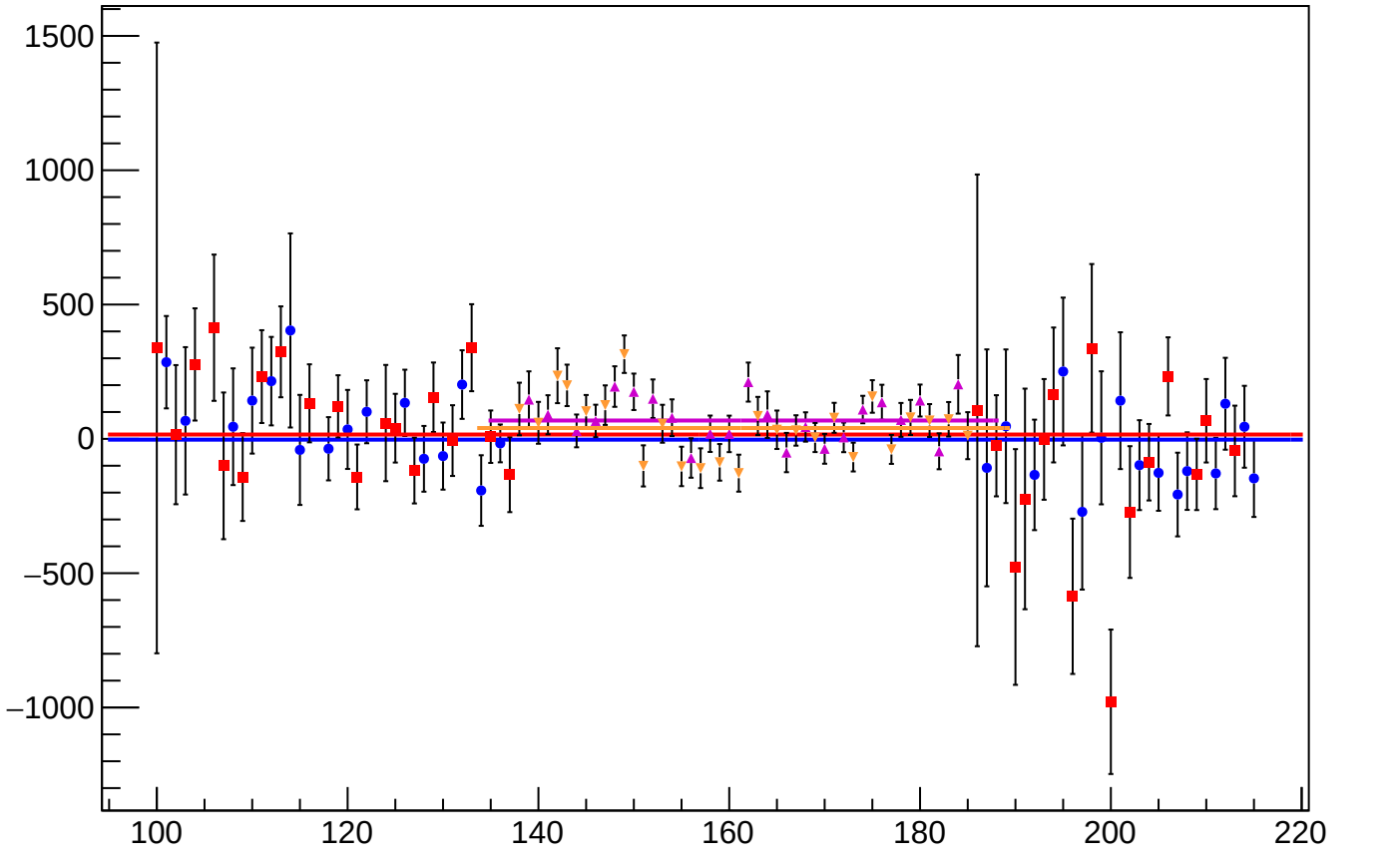
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1427.501+/-0.171 χ^2/NDF: 6497568.9/64

In: 576.693+/-0.077 χ^2/NDF:18834696.5/53

Out: 572.473+/-0.076 χ^2/NDF:20020679.4/58

All: 574.561+/-0.054 χ^2/NDF: 38856883.5/1



Right In: -2.913+/-27.457 χ^2/NDF: 22.6/30

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 16.126+/-29.086 χ^2/NDF: 47.2/33

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

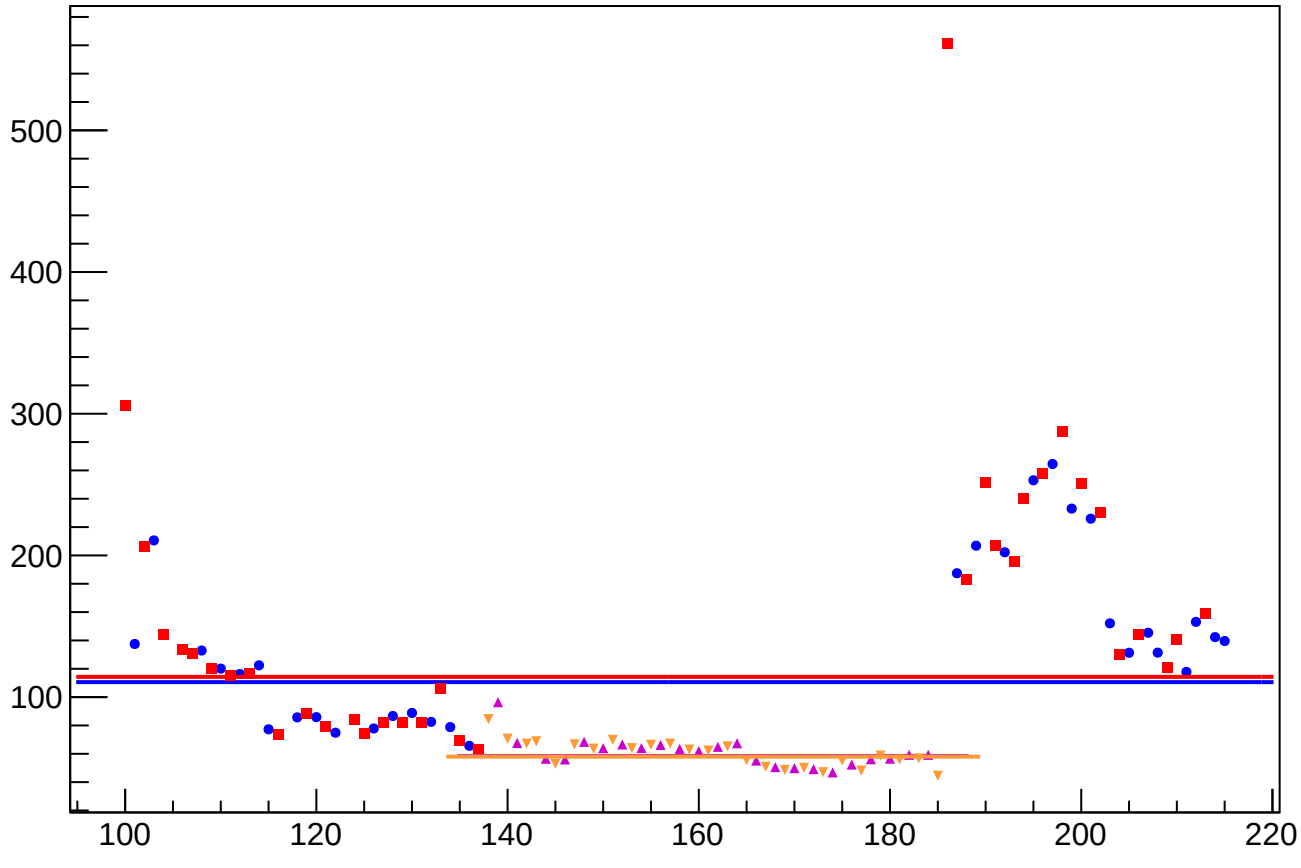
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 6.058+/-19.966 χ^2/NDF: 70.0/64

In: 53.863+/-12.377 χ^2/NDF:59.7/53

Out: 36.103+/-12.172 χ^2/NDF:107.2/58

All: 44.834+/-8.679 χ^2/NDF: 168.0/112



Right In: 110.579+/-0.019 χ^2/NDF: 5327877.7/30

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 114.304+/-0.021 χ^2/NDF: 6328646.8/33

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

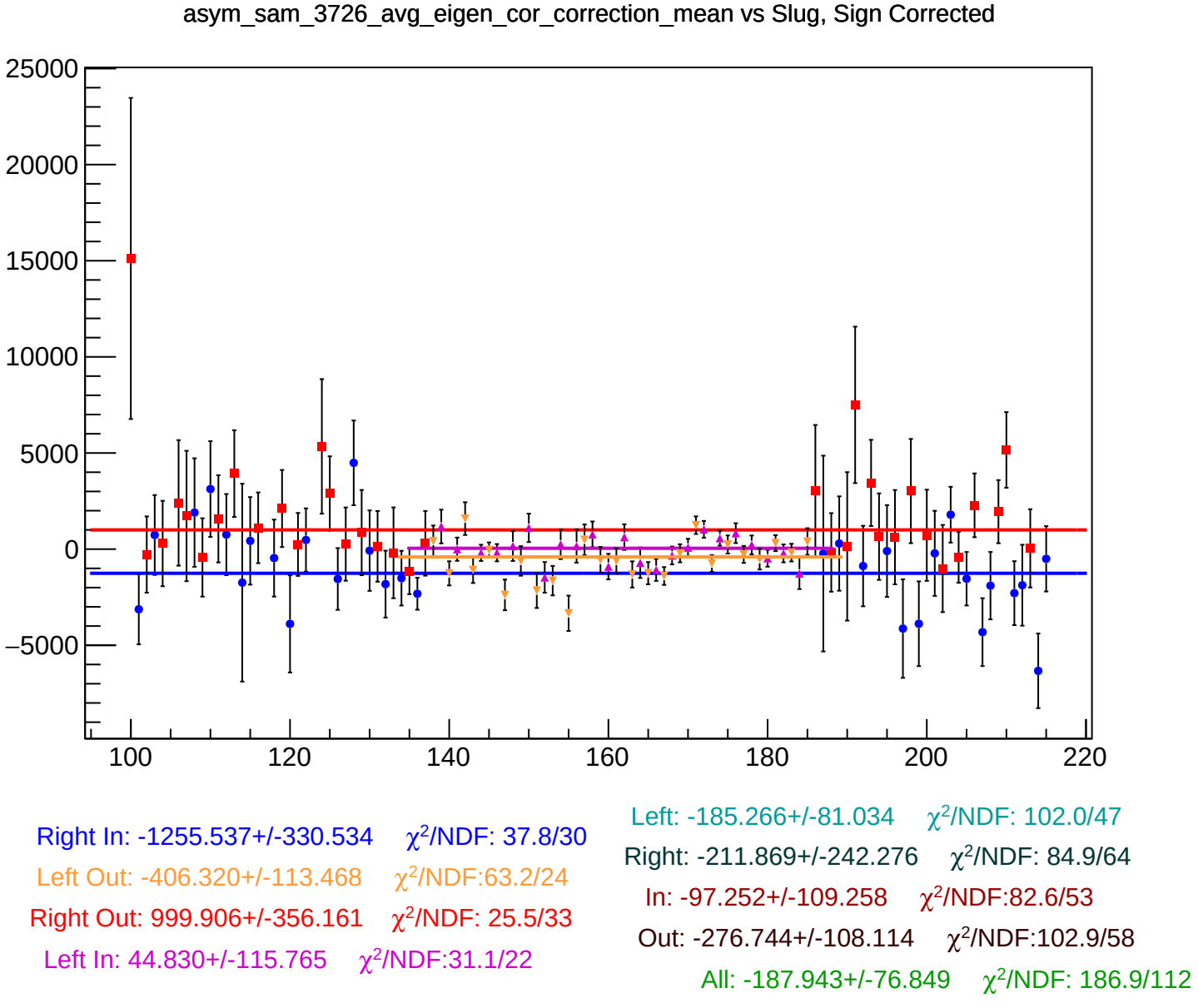
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

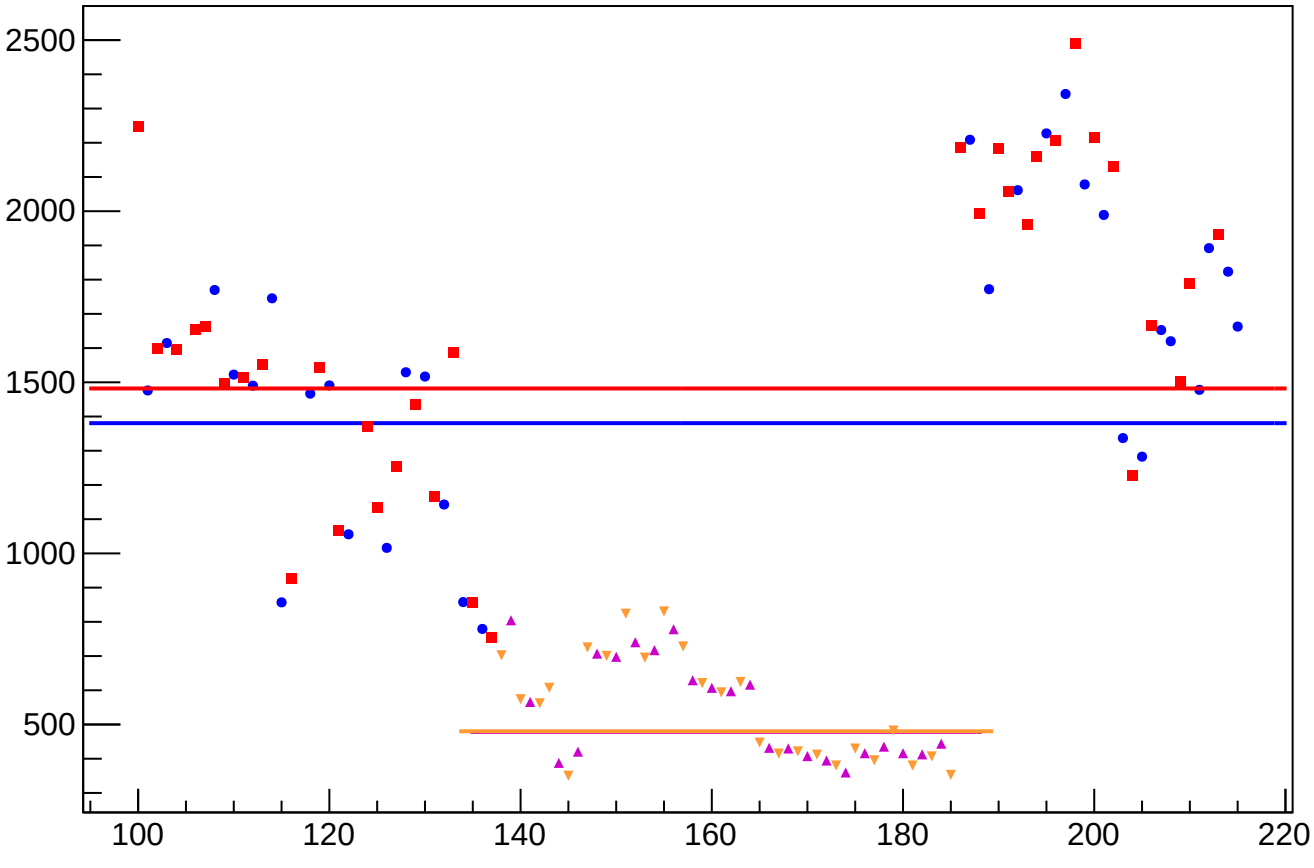
Right: 112.334+/-0.014 χ^2/NDF: 11673876.8/64

In: 69.001+/-0.009 χ^2/NDF:11819077.1/53

Out: 67.857+/-0.009 χ^2/NDF:13319472.2/58

All: 68.419+/-0.006 χ^2/NDF: 25147236.5/112


asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -1255.537+/-330.534 χ²/NDF: 37.8/30
Left Out: -406.320+/-113.468 χ²/NDF:63.2/24
Right Out: 999.906+/-356.161 χ²/NDF: 25.5/33
Left In: 44.830+/-115.765 χ²/NDF:31.1/22
Left: -185.266+/-81.034 χ²/NDF: 102.0/47
Right: -211.869+/-242.276 χ²/NDF: 84.9/64
In: -97.252+/-109.258 χ²/NDF:82.6/53
Out: -276.744+/-108.114 χ²/NDF:102.9/58
All: -187.943+/-76.849 χ²/NDF: 186.9/112



Right In: 1380.583+/-0.234 χ^2/NDF: 3337836.2/30

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1481.977+/-0.252 χ^2/NDF: 3072645.7/33

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

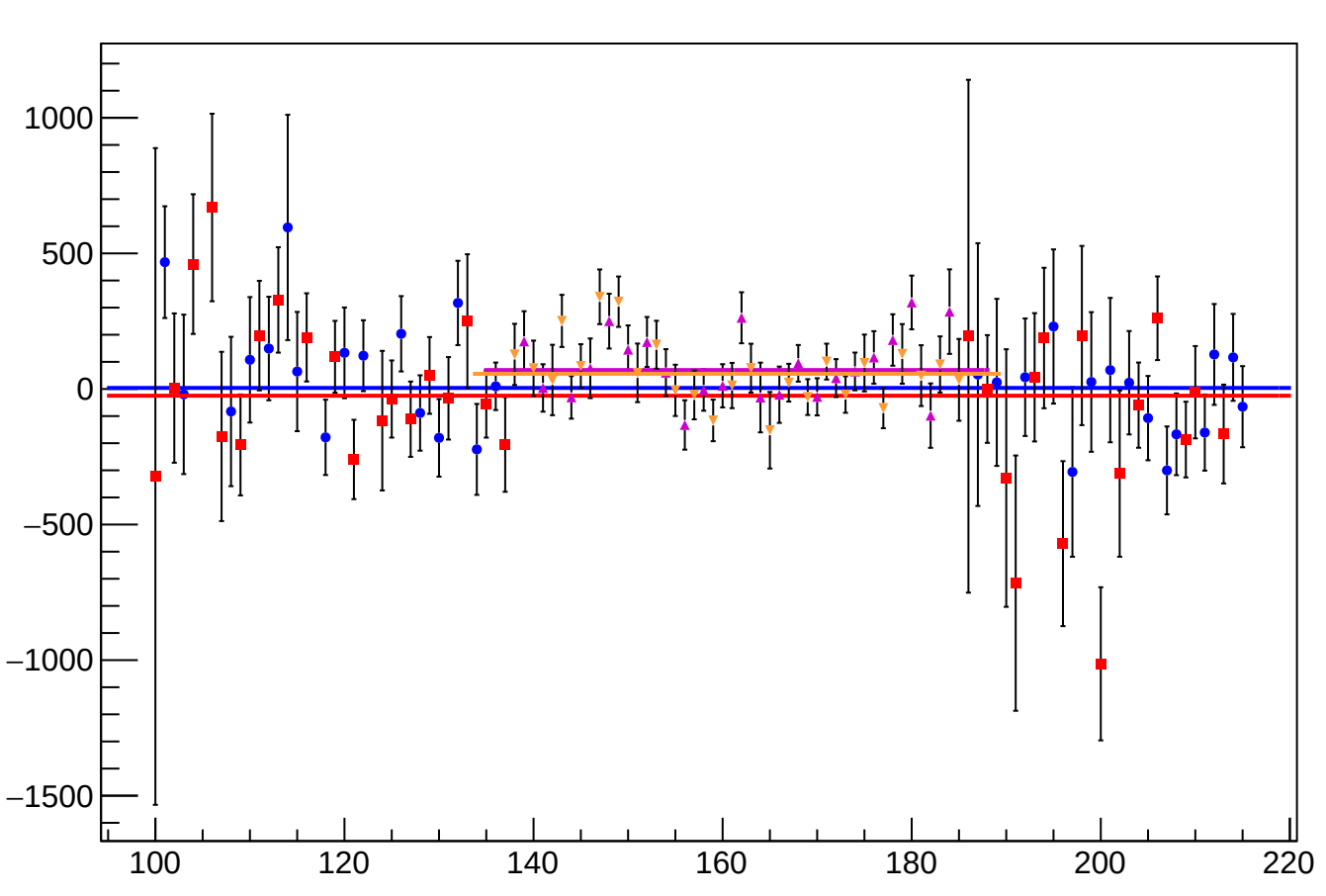
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1427.501+/-0.171 χ^2/NDF: 6497568.9/64

In: 576.693+/-0.077 χ^2/NDF:18834696.5/53

Out: 572.473+/-0.076 χ^2/NDF:20020679.4/58

All: 574.561+/-0.054 χ^2/NDF: 38856883.5/1



Right In: 3.822+/-31.179 χ^2/NDF: 30.9/30

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -24.824+/-33.279 χ^2/NDF: 47.6/33

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

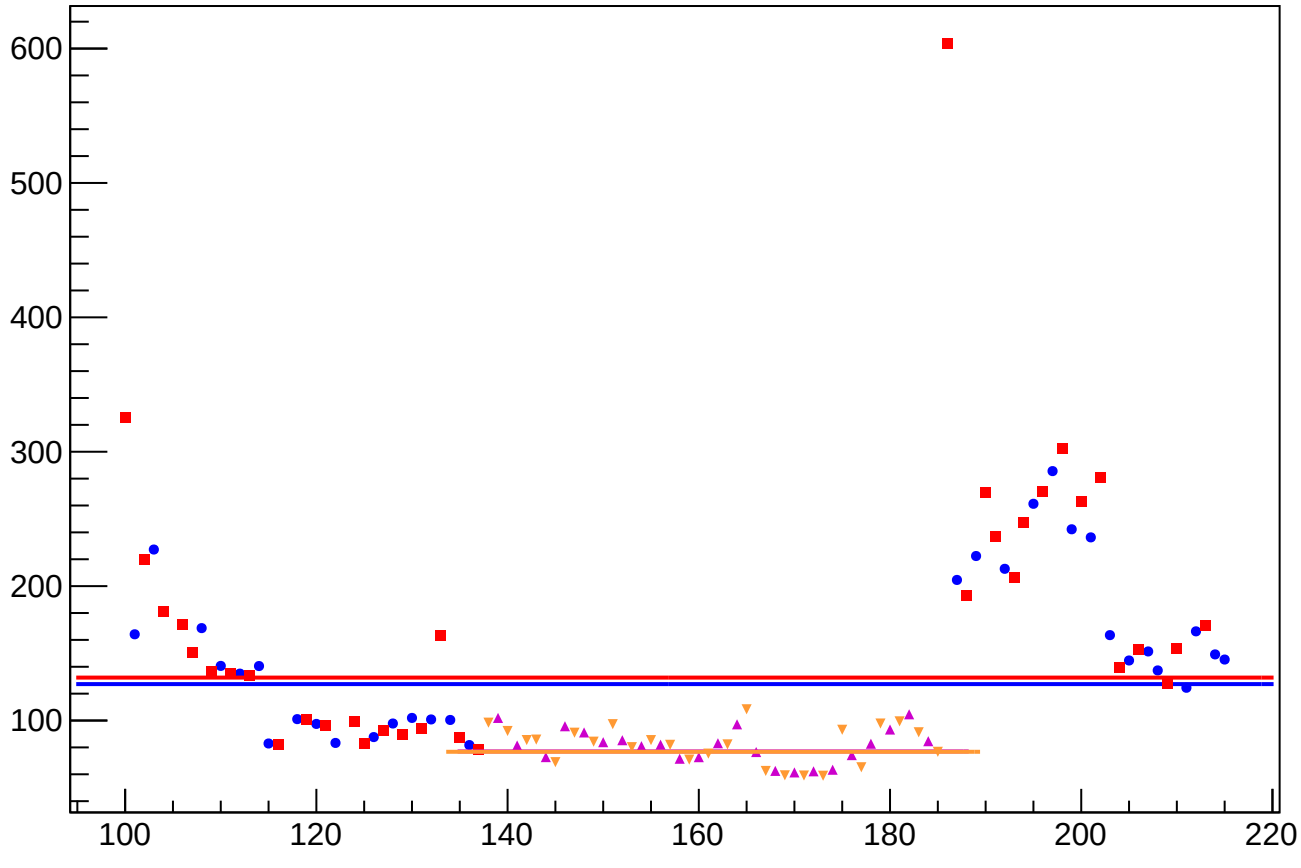
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -9.569+/-22.753 χ^2/NDF: 78.9/64

In: 52.657+/-15.908 χ^2/NDF:68.7/53

Out: 37.746+/-15.798 χ^2/NDF:90.5/58

All: 45.150+/-11.210 χ^2/NDF: 159.7/112



Right In: 127.104+/-0.022 χ^2/NDF: 4310470.4/30

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 131.949+/-0.024 χ^2/NDF: 5560706.9/33

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

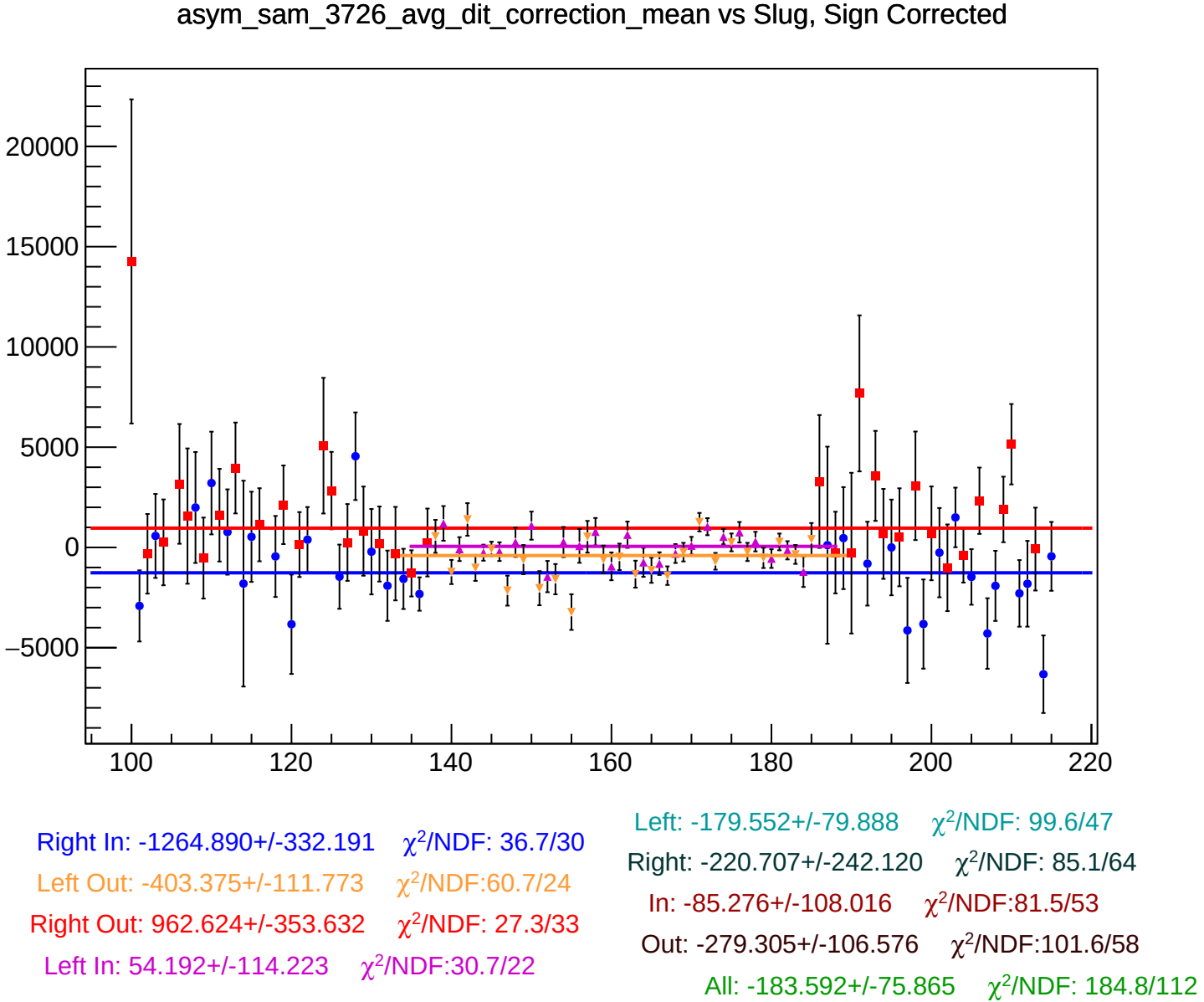
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

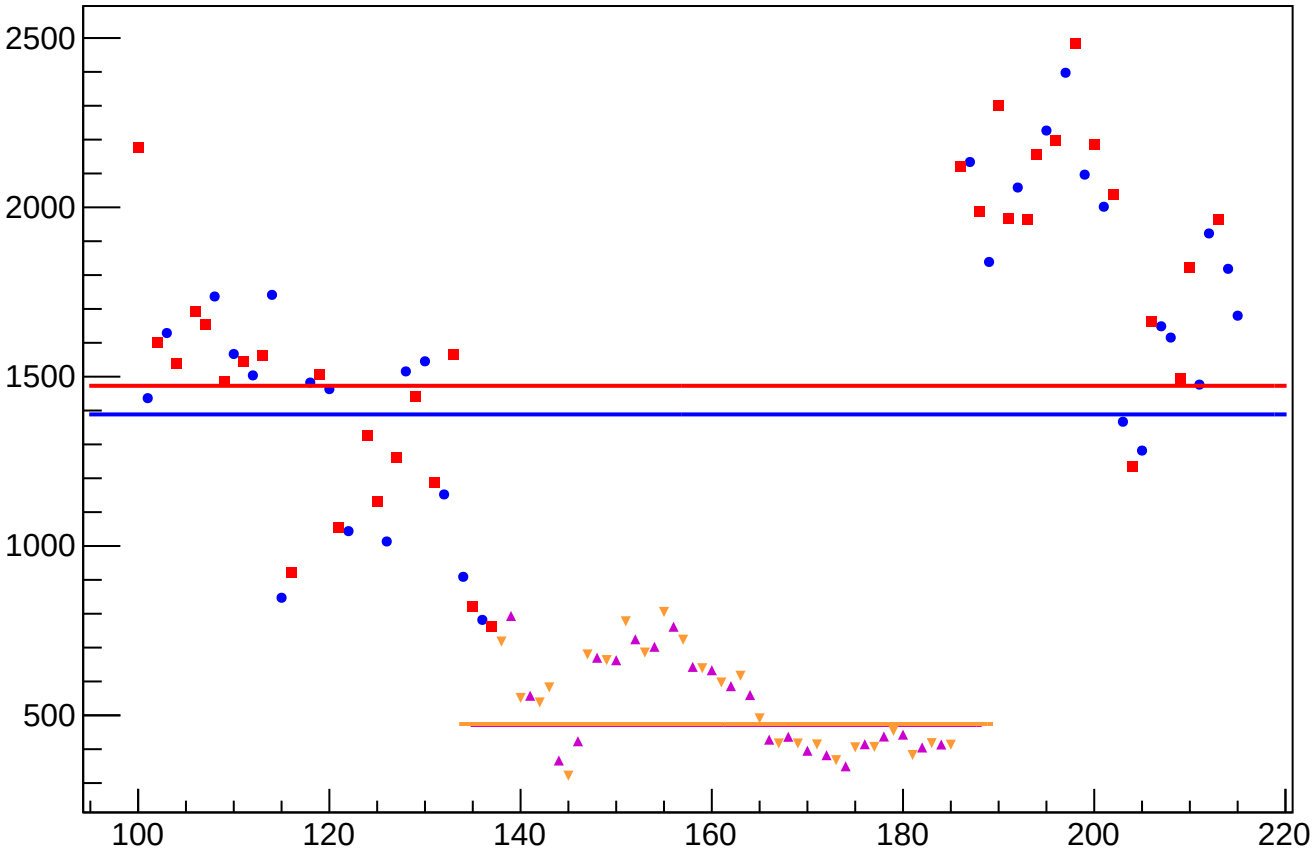
Right: 129.369+/-0.016 χ^2/NDF: 9893748.7/64

In: 90.056+/-0.011 χ^2/NDF:8986852.2/53

Out: 89.184+/-0.011 χ^2/NDF:11058759.6/58

All: 89.617+/-0.008 χ^2/NDF: 20048636.1/112


asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -1264.890+/-332.191 χ²/NDF: 36.7/30
Left Out: -403.375+/-111.773 χ²/NDF:60.7/24
Right Out: 962.624+/-353.632 χ²/NDF: 27.3/33
Left In: 54.192+/-114.223 χ²/NDF:30.7/22
Left: -179.552+/-79.888 χ²/NDF: 99.6/47
Right: -220.707+/-242.120 χ²/NDF: 85.1/64
In: -85.276+/-108.016 χ²/NDF:81.5/53
Out: -279.305+/-106.576 χ²/NDF:101.6/58
All: -183.592+/-75.865 χ²/NDF: 184.8/112



Right In: 1388.561+/-0.235 χ^2/NDF: 3313638.6/30

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1473.067+/-0.250 χ^2/NDF: 3139904.2/33

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

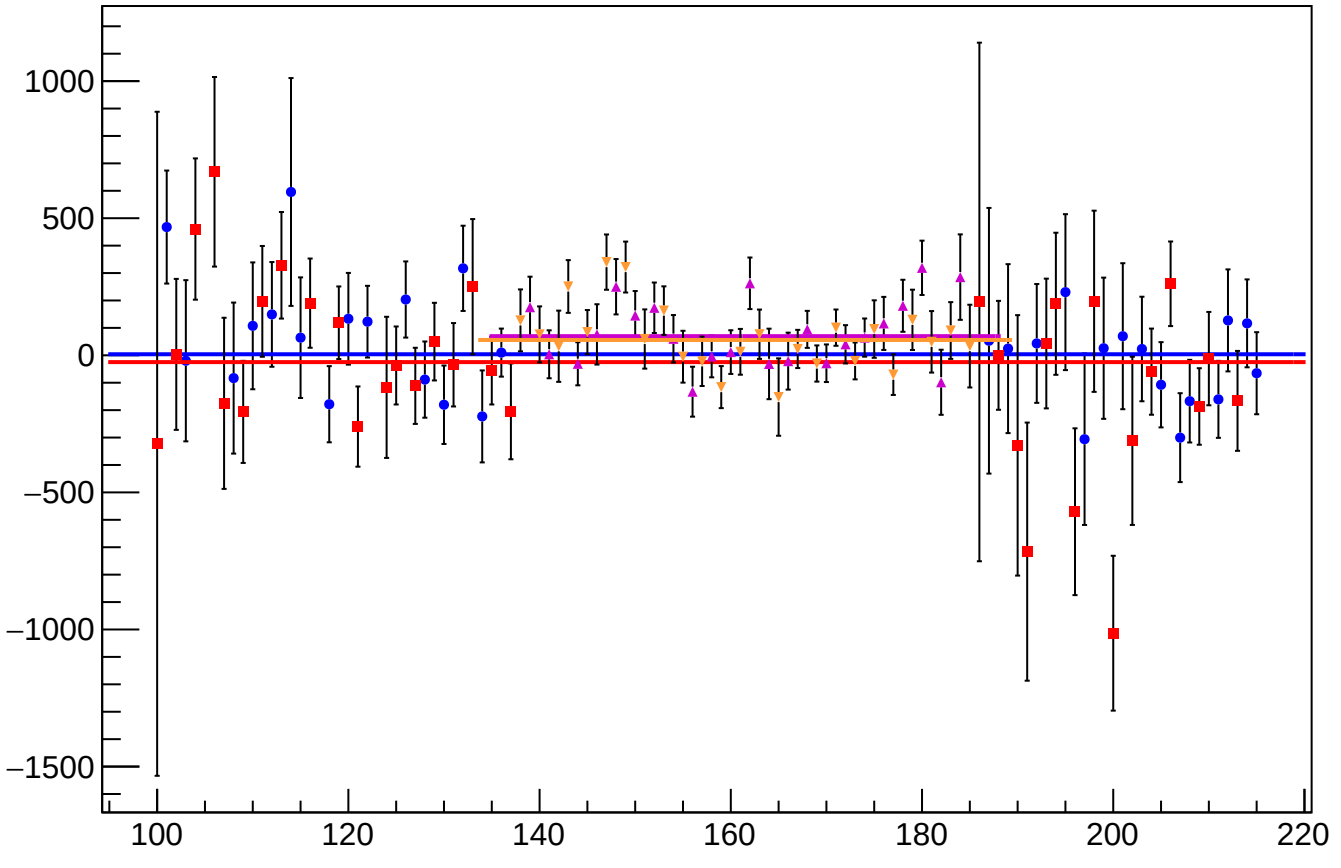
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1428.175+/-0.171 χ^2/NDF: 6514214.0/64

In: 568.423+/-0.076 χ^2/NDF:19155059.7/53

Out: 565.010+/-0.075 χ^2/NDF:20183498.6/58

All: 566.693+/-0.054 χ^2/NDF: 39339569.8/1



Right In: 3.823+/-31.179 χ^2/NDF: 30.9/30

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -24.826+/-33.279 χ^2/NDF: 47.6/33

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

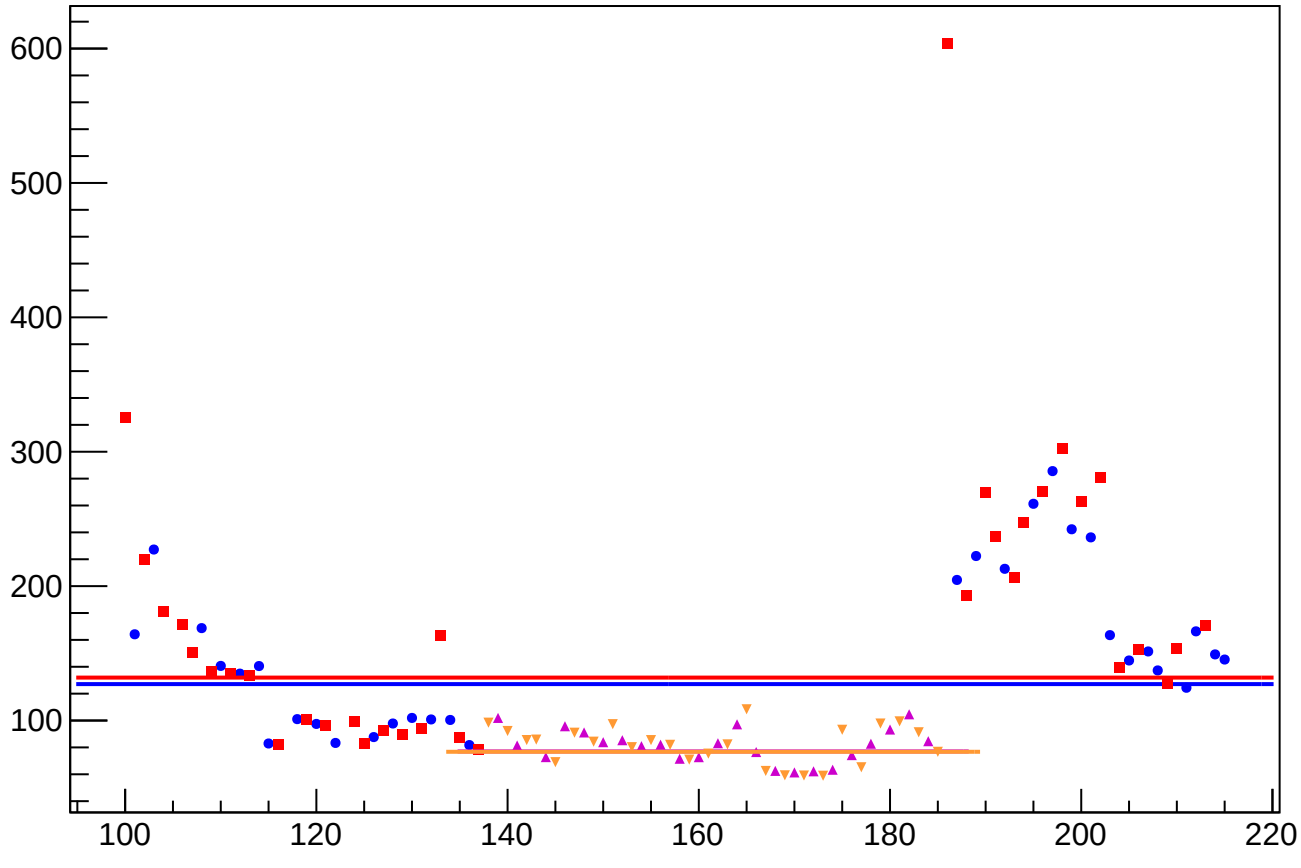
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -9.569+/-22.753 χ^2/NDF: 78.9/64

In: 52.657+/-15.908 χ^2/NDF:68.7/53

Out: 37.745+/-15.798 χ^2/NDF:90.5/58

All: 45.149+/-11.210 χ^2/NDF: 159.7/112



Right In: 127.104+/-0.022 χ^2/NDF: 4310483.4/30

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 131.949+/-0.024 χ^2/NDF: 5560717.7/33

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

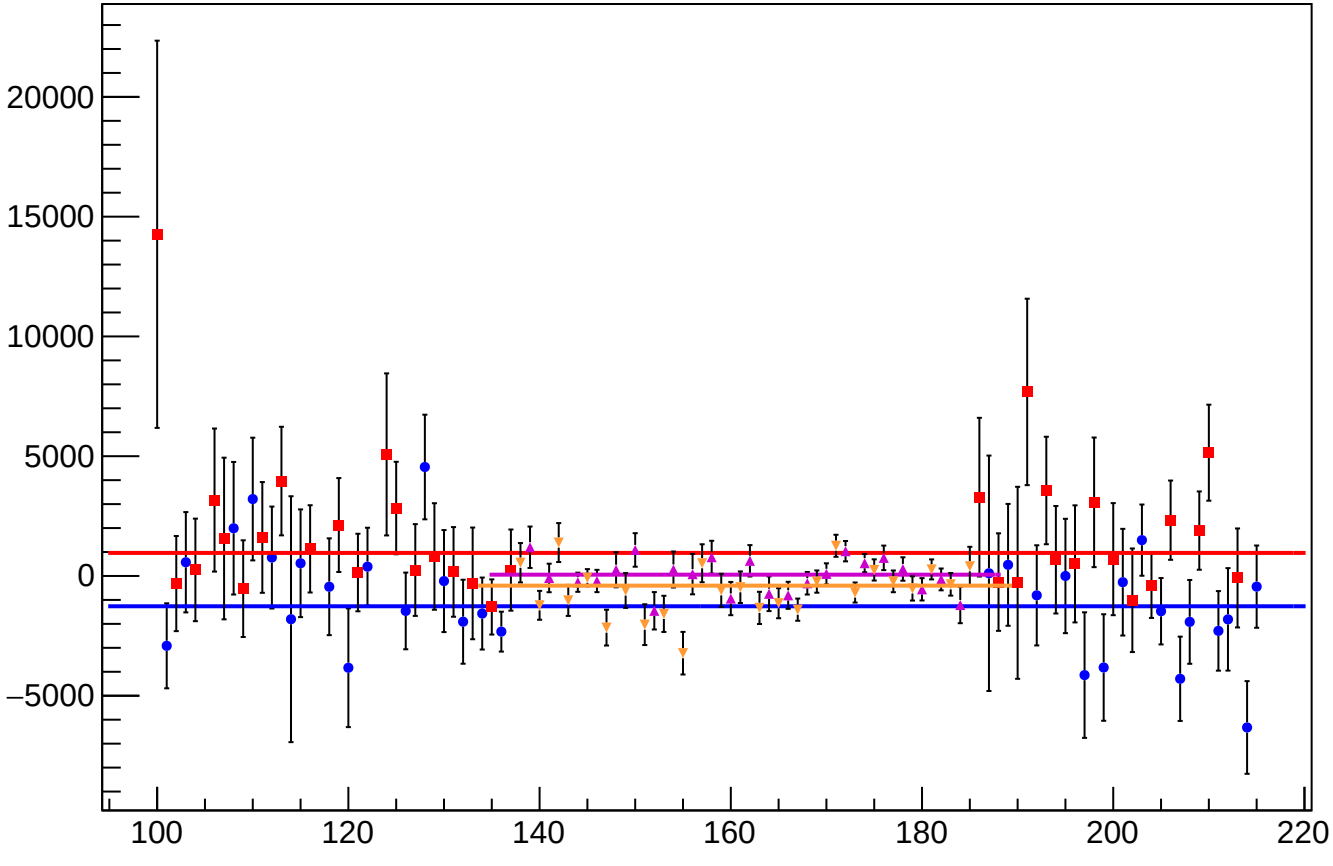
Right: 129.369+/-0.016 χ^2/NDF: 9893773.6/64

In: 90.056+/-0.011 χ^2/NDF:8986782.3/53

Out: 89.185+/-0.011 χ^2/NDF:11058711.8/58

All: 89.617+/-0.008 χ^2/NDF: 20048518.4/112

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1264.887+/-332.190 χ^2/NDF: 36.7/30

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 962.624+/-353.632 χ^2/NDF: 27.3/33

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

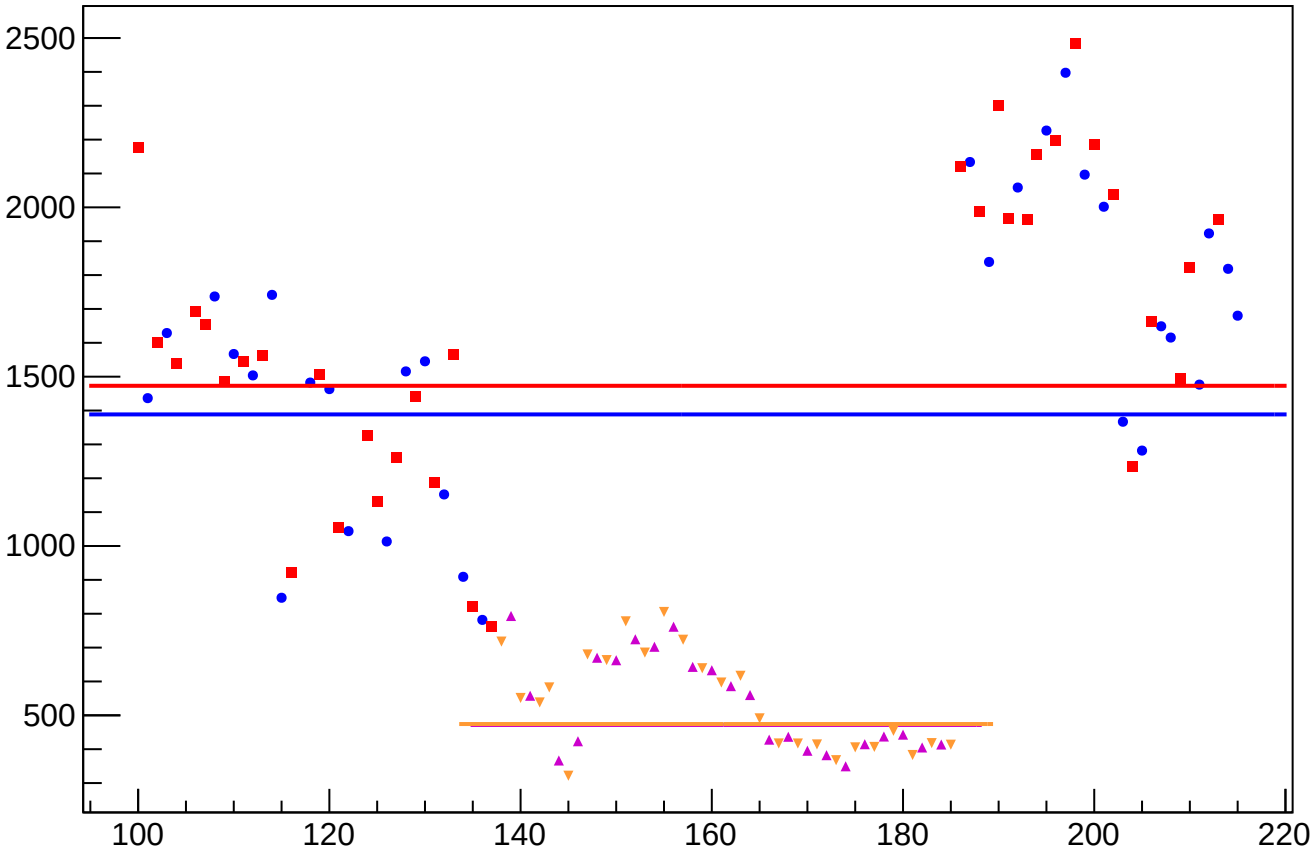
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

Right: -220.705+/-242.119 χ^2/NDF: 85.1/64

In: -85.276+/-108.016 χ^2/NDF:81.5/53

Out: -279.304+/-106.576 χ^2/NDF:101.6/58

All: -183.592+/-75.865 χ^2/NDF: 184.8/112


asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
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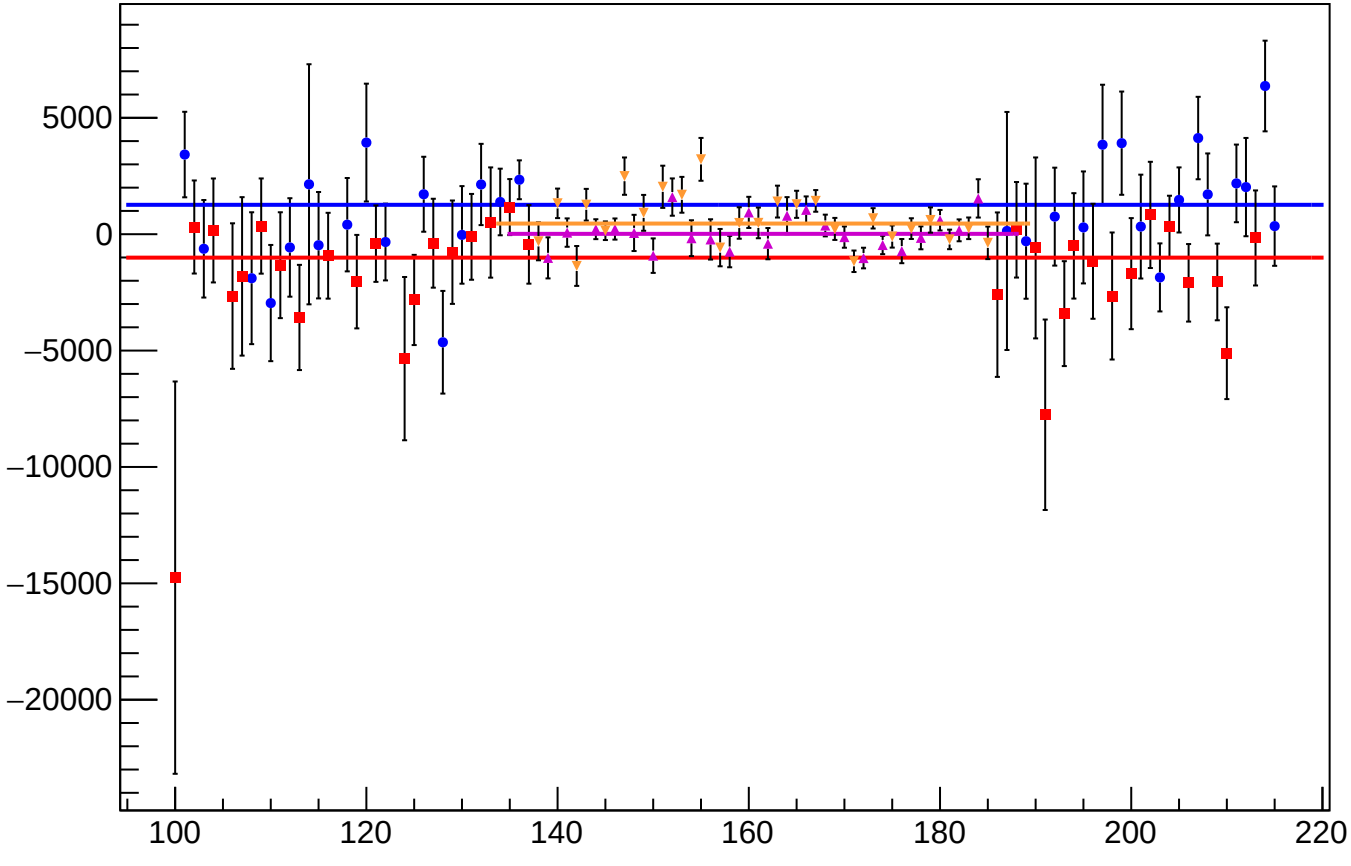
100
120
140
160
180
200
220
Right In: 1388.560+/-0.235 χ²/NDF: 3313631.1/30
Left Out: 474.294+/-0.079 χ²/NDF:2538999.2/24
Right Out: 1473.066+/-0.250 χ²/NDF: 3139900.6/33
Left In: 471.456+/-0.081 χ²/NDF:2209338.4/22
Left: 472.905+/-0.056 χ²/NDF: 4748968.3/47
Right: 1428.174+/-0.171 χ²/NDF: 6514202.5/64
In: 568.422+/-0.076 χ²/NDF:19155045.7/53
Out: 565.010+/-0.075 χ²/NDF:20183497.3/58
All: 566.693+/-0.054 χ²/NDF: 39339554.6/11

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 1262.700+/-332.016 χ^2/NDF: 37.6/30

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -1006.844+/-357.540 χ^2/NDF: 24.3/33

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

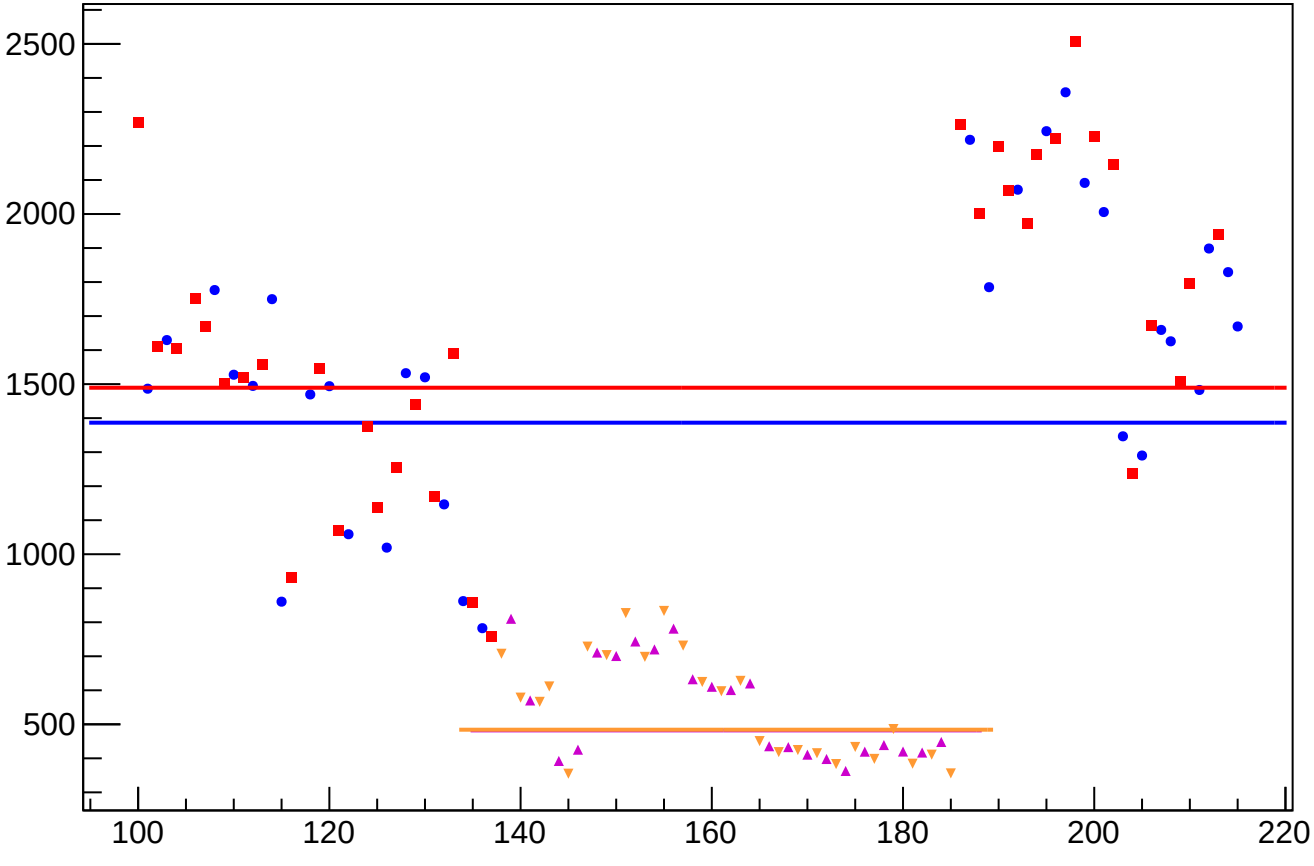
Right: 211.820+/-243.294 χ^2/NDF: 83.5/64

In: 152.278+/-110.098 χ^2/NDF:80.4/53

Out: 321.418+/-108.916 χ^2/NDF:98.9/58

All: 237.760+/-77.430 χ^2/NDF: 180.5/112

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1386.613+/-0.235 χ^2/NDF: 3346918.1/30

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1489.395+/-0.253 χ^2/NDF: 3110176.4/33

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

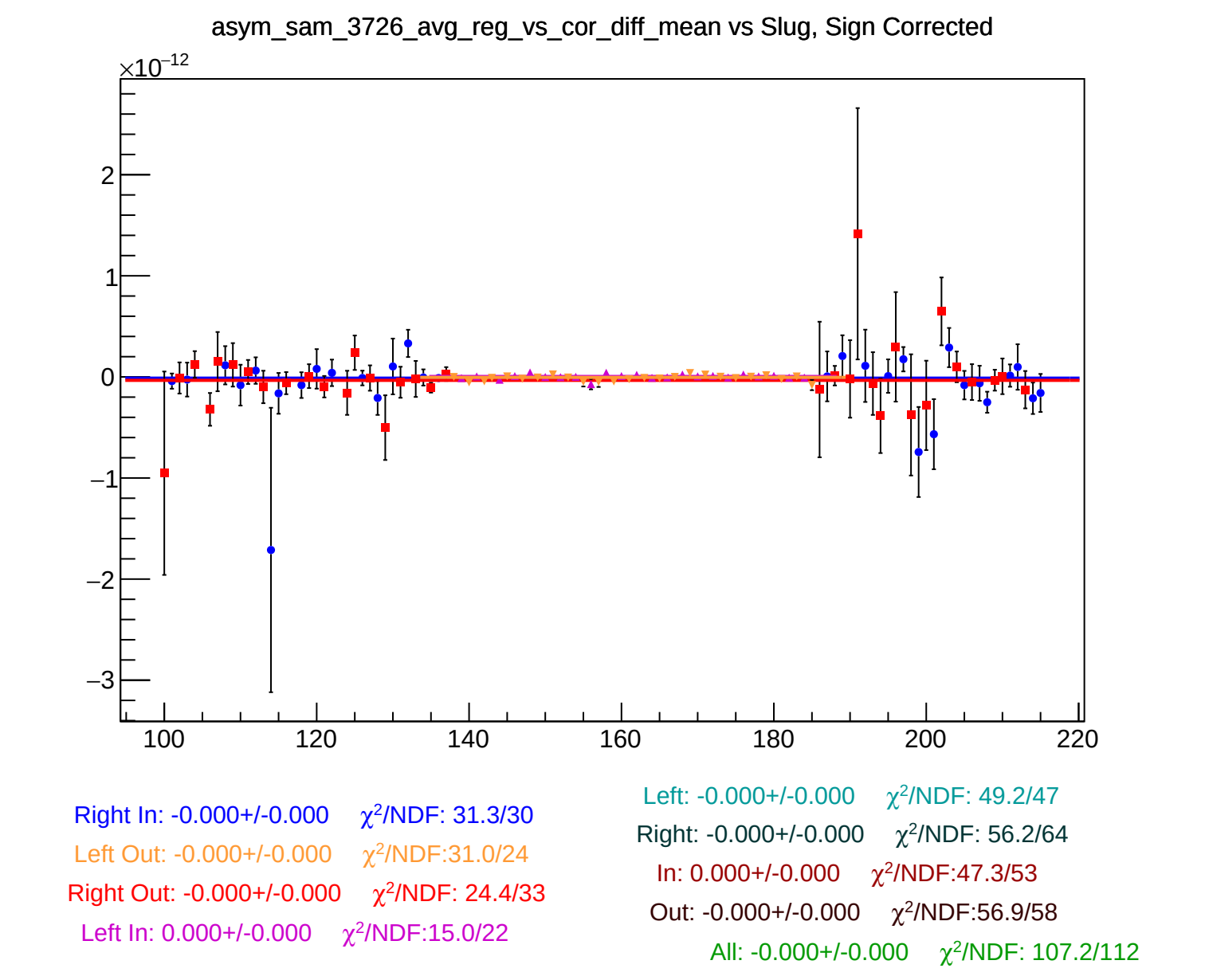
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

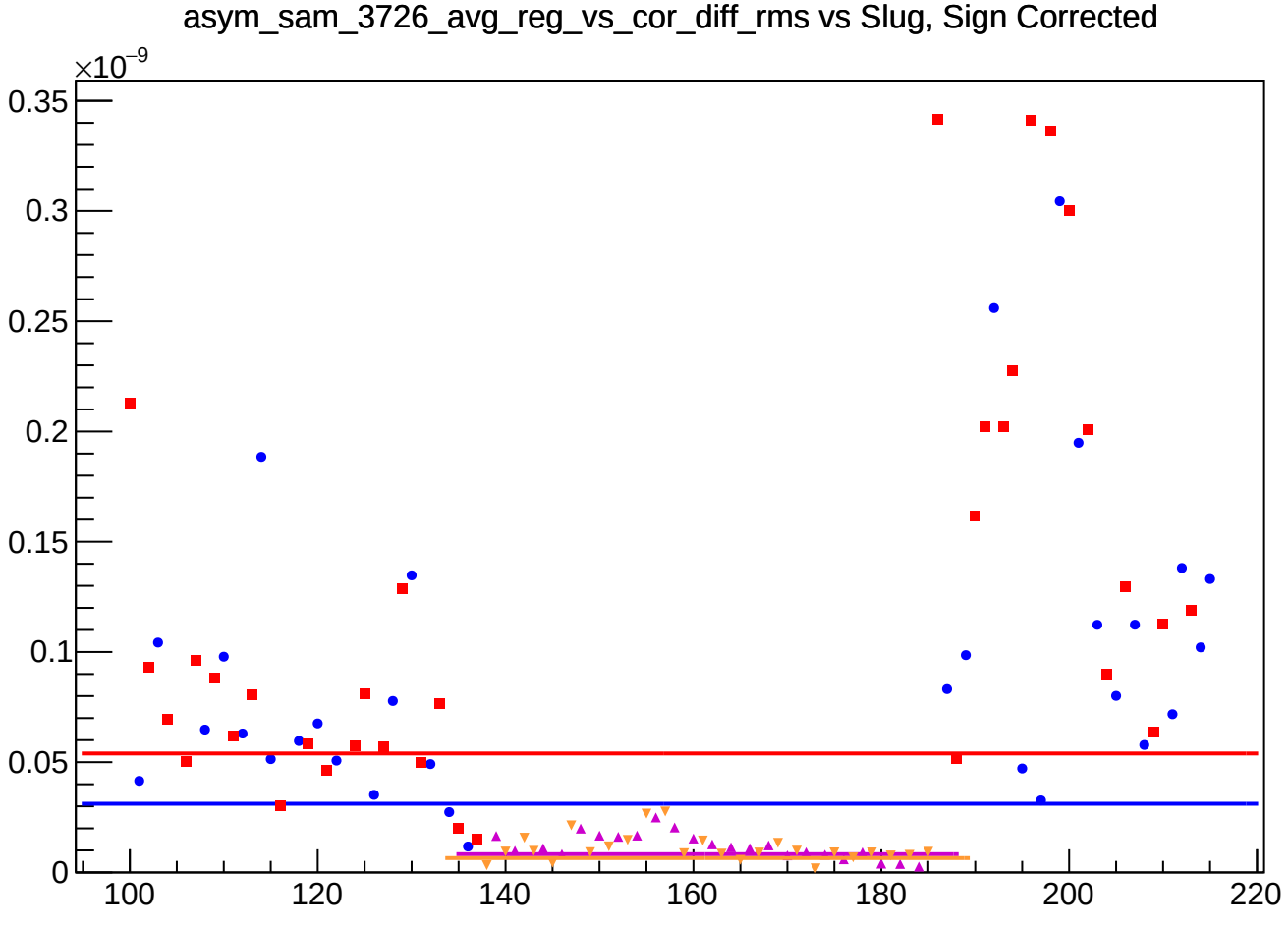
Right: 1434.205+/-0.172 χ^2/NDF: 6545842.7/64

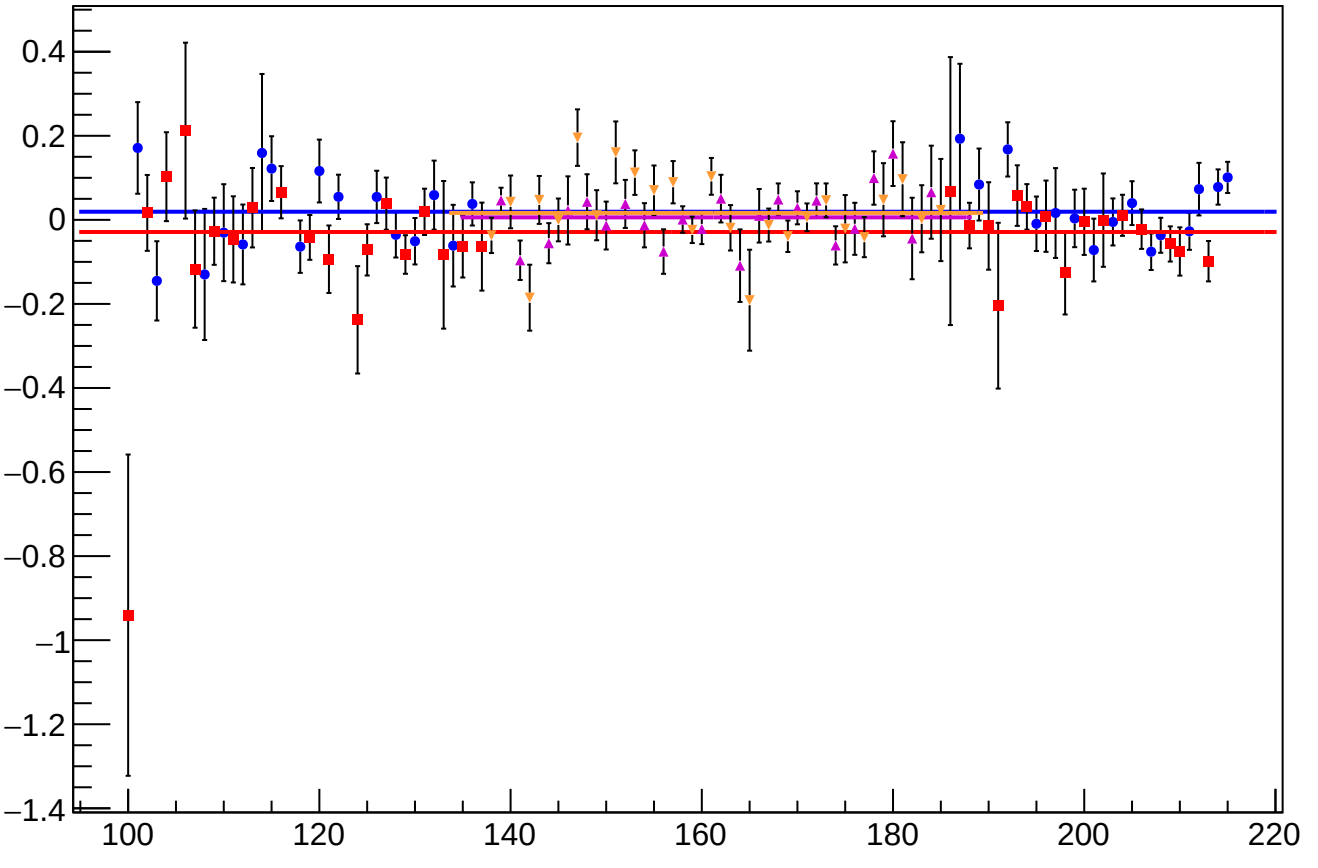
In: 581.614+/-0.078 χ^2/NDF:18743328.9/53

Out: 577.415+/-0.077 χ^2/NDF:20001933.6/58

All: 579.492+/-0.055 χ^2/NDF: 38746733.2/11


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 31.3/30
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.4/33
Left In: 0.000+/-0.000 χ²/NDF:15.0/22
Left: -0.000+/-0.000 χ²/NDF: 49.2/47
Right: -0.000+/-0.000 χ²/NDF: 56.2/64
In: 0.000+/-0.000 χ²/NDF:47.3/53
Out: -0.000+/-0.000 χ²/NDF:56.9/58
All: -0.000+/-0.000 χ²/NDF: 107.2/112


asym_sam_3726_avg_reg_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: 8545273.7/30
Left Out: 0.000+/-0.000 χ²/NDF:3737127.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 6704730.1/33
Left In: 0.000+/-0.000 χ²/NDF:2799238.8/22
Left: 0.000+/-0.000 χ²/NDF: 6795469.8/47
Right: 0.000+/-0.000 χ²/NDF: 16501303.0/64
In: 0.000+/-0.000 χ²/NDF:15171383.4/53
Out: 0.000+/-0.000 χ²/NDF:18175705.7/58
All: 0.000+/-0.000 χ²/NDF: 33742500.4/112



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/30

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.029+/-0.012 χ^2/NDF: 28.4/33

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

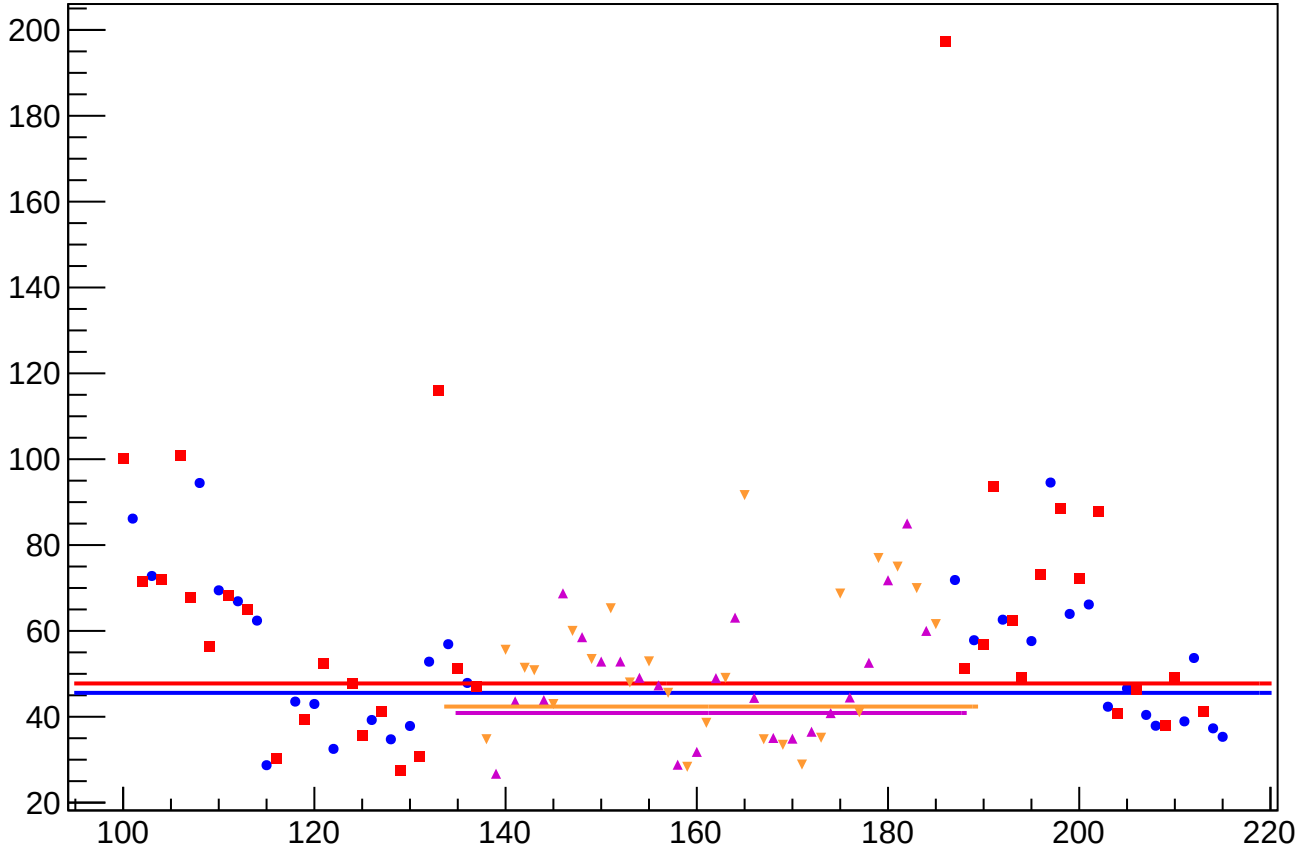
Right: -0.003+/-0.008 χ^2/NDF: 78.1/64

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.005+/-0.005 χ^2/NDF: 147.3/112

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.566+/-0.008 χ^2/NDF: 2676611.0/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 47.758+/-0.009 χ^2/NDF: 3641979.2/33

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

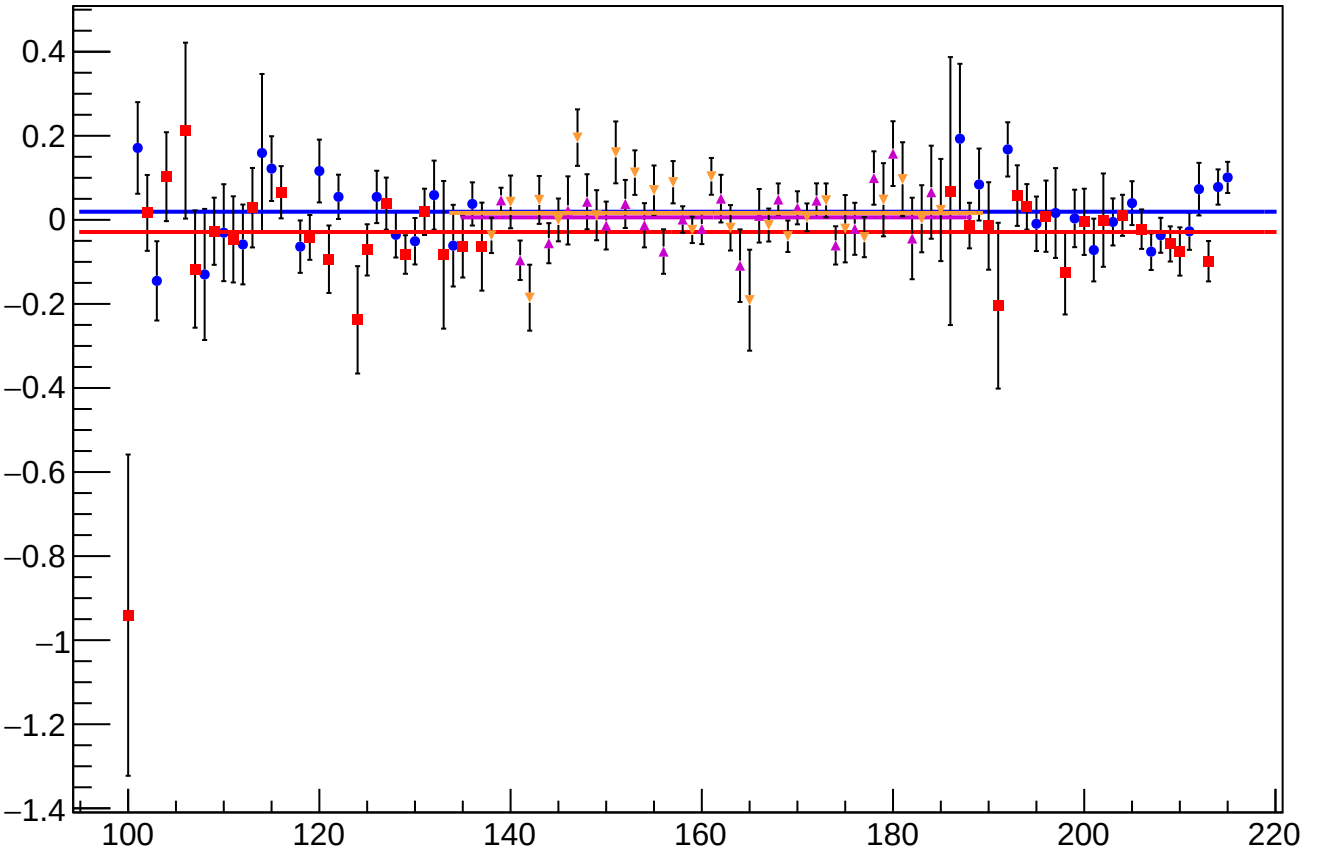
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 46.575+/-0.006 χ^2/NDF: 6353818.6/64

In: 43.022+/-0.005 χ^2/NDF:5544772.2/53

Out: 44.642+/-0.006 χ^2/NDF:7060881.1/58

All: 43.801+/-0.004 χ^2/NDF: 12649590.3/112



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/30

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.029+/-0.012 χ^2/NDF: 28.4/33

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

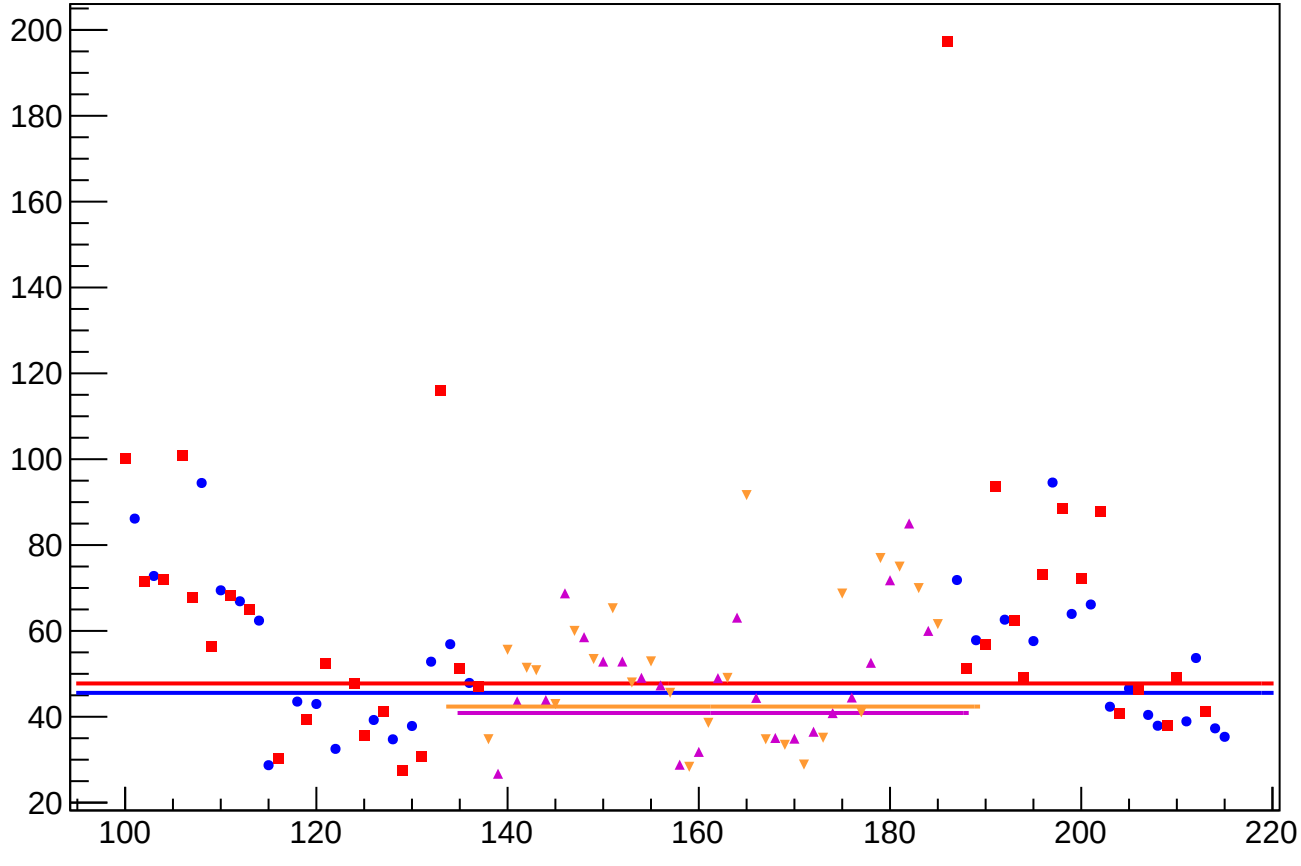
Right: -0.003+/-0.008 χ^2/NDF: 78.1/64

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.005+/-0.005 χ^2/NDF: 147.3/112

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.566+/-0.008 χ^2/NDF: 2676611.0/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 47.758+/-0.009 χ^2/NDF: 3641979.2/33

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

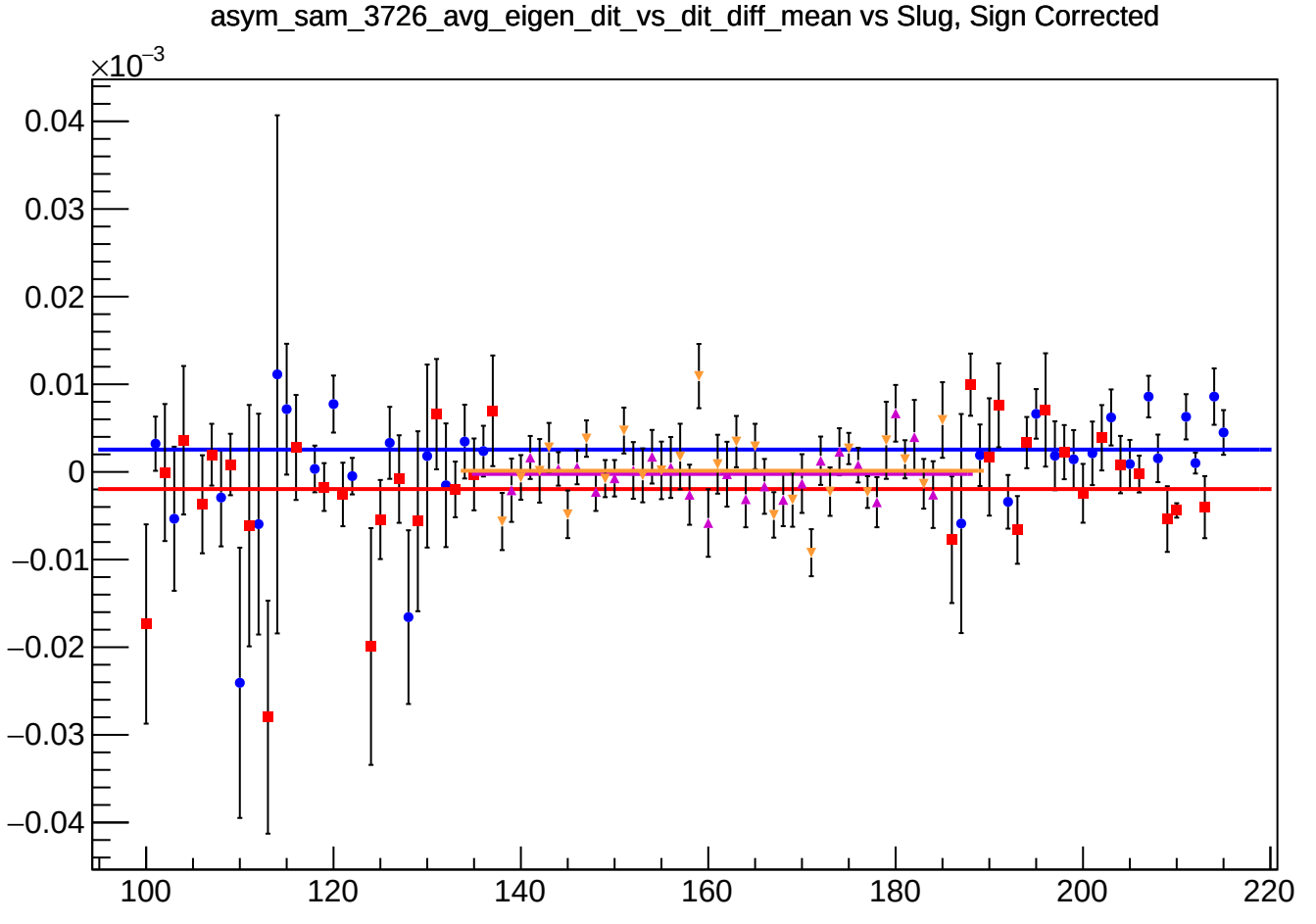
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 46.575+/-0.006 χ^2/NDF: 6353818.6/64

In: 43.022+/-0.005 χ^2/NDF:5544772.2/53

Out: 44.642+/-0.006 χ^2/NDF:7060881.1/58

All: 43.801+/-0.004 χ^2/NDF: 12649590.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 54.1/33

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

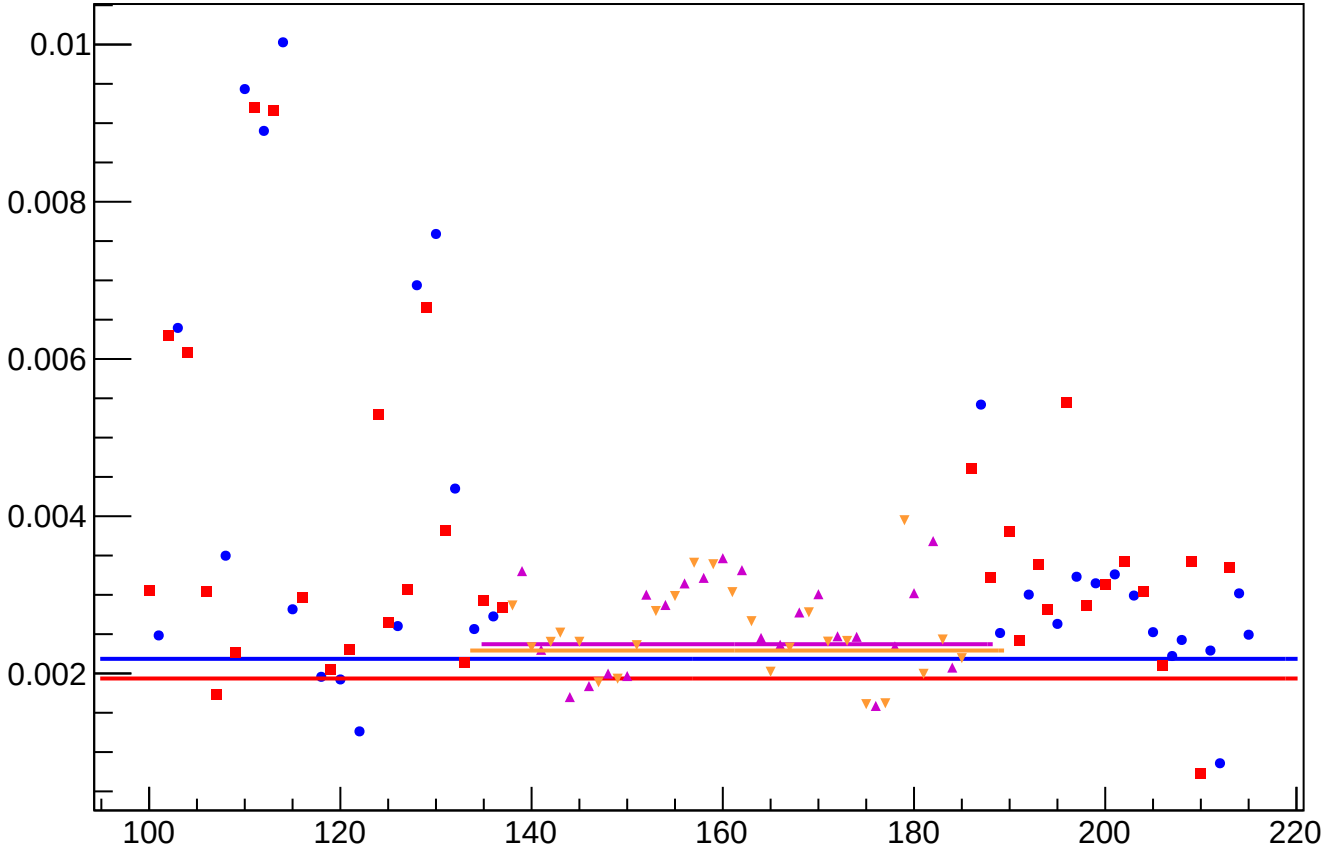
Right: 0.000+/-0.000 χ^2/NDF: 125.1/64

In: 0.000+/-0.000 χ^2/NDF:65.7/53

Out: -0.000+/-0.000 χ^2/NDF:111.5/58

All: 0.000+/-0.000 χ^2/NDF: 191.3/112

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7201335.6/30

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11249834.0/33

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

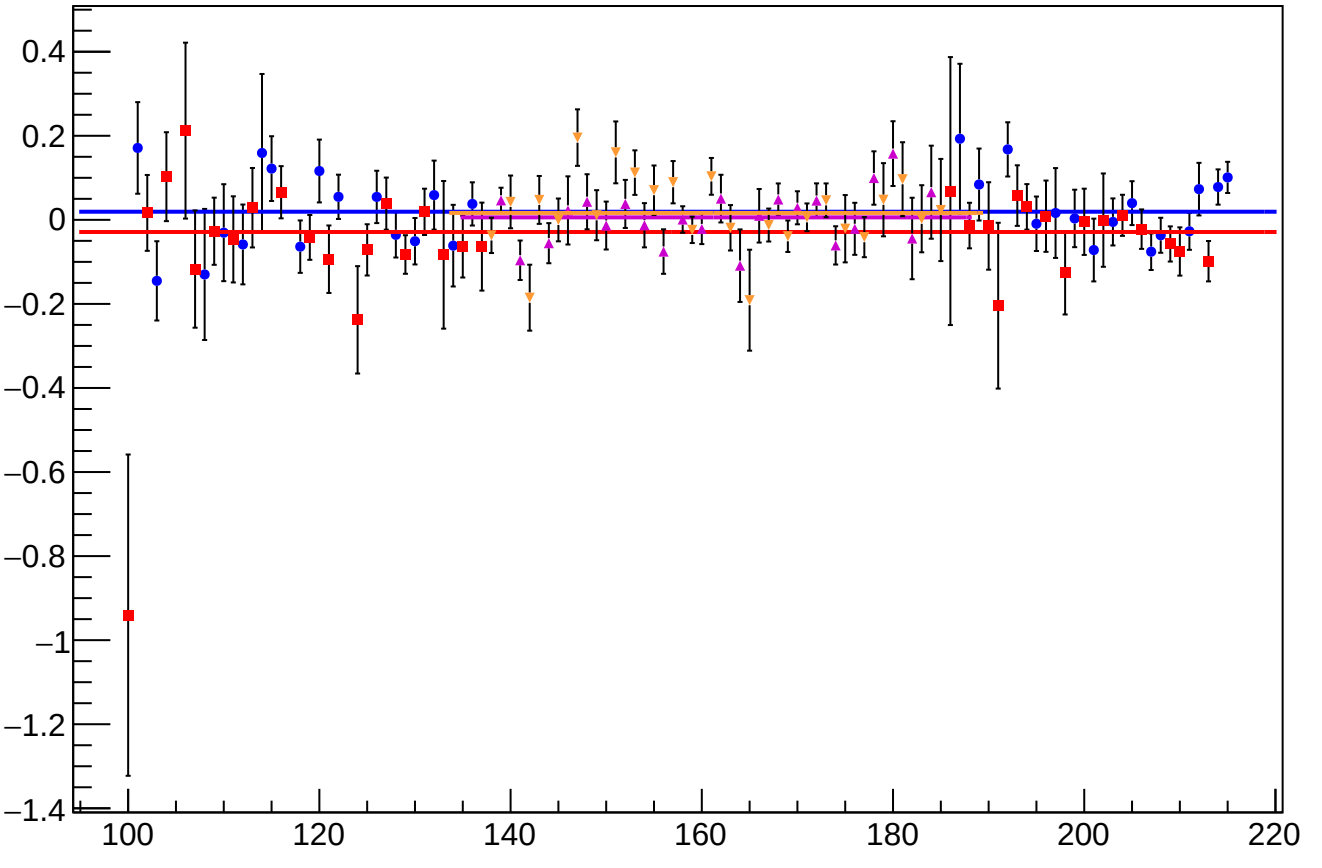
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.002+/-0.000 χ^2/NDF: 18654383.1/64

In: 0.002+/-0.000 χ^2/NDF:9327687.8/53

Out: 0.002+/-0.000 χ^2/NDF:13502971.1/58

All: 0.002+/-0.000 χ^2/NDF: 22998562.2/112



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/30

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.029+/-0.012 χ^2/NDF: 28.4/33

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

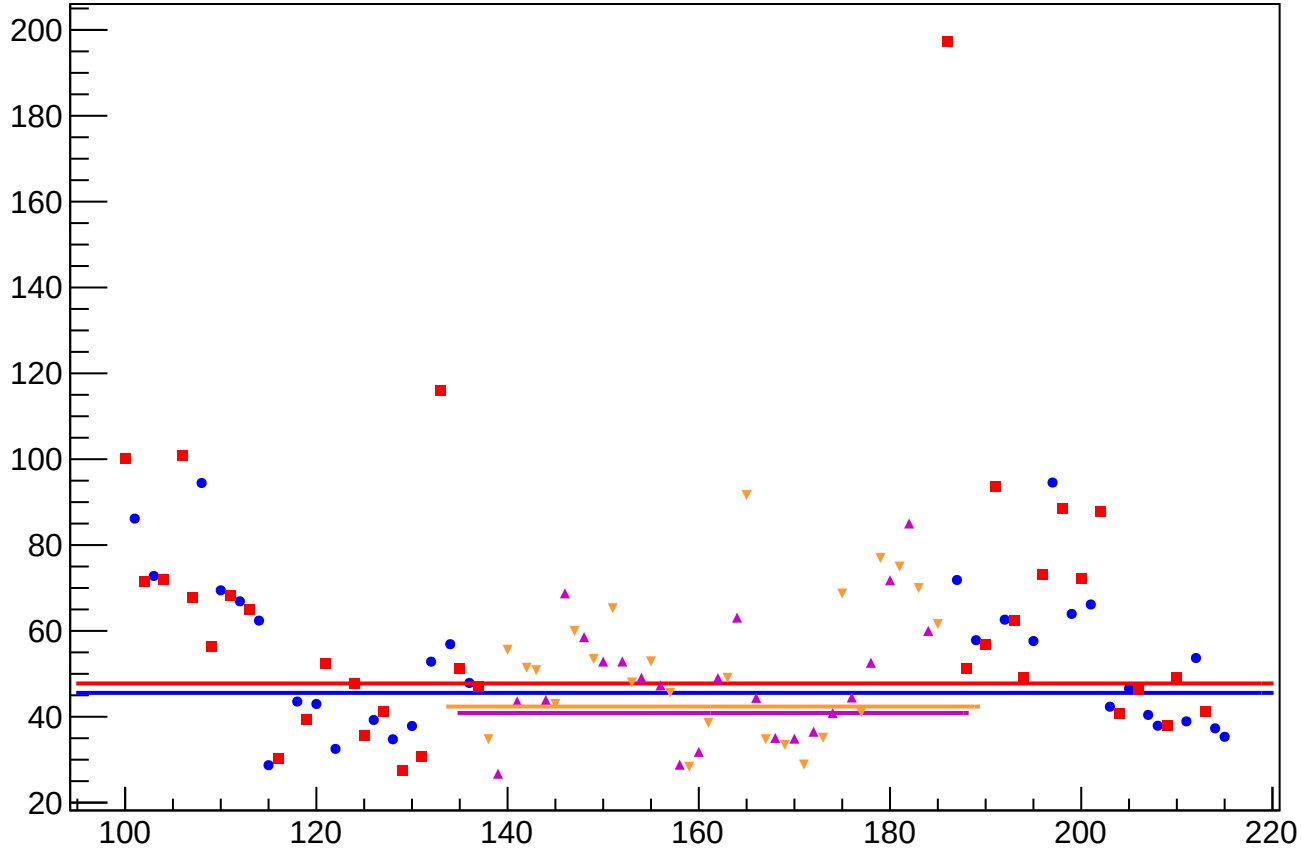
Right: -0.003+/-0.008 χ^2/NDF: 78.1/64

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.005+/-0.005 χ^2/NDF: 147.3/112

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.566+/-0.008 χ^2/NDF: 2676557.4/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 47.758+/-0.009 χ^2/NDF: 3641904.9/33

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

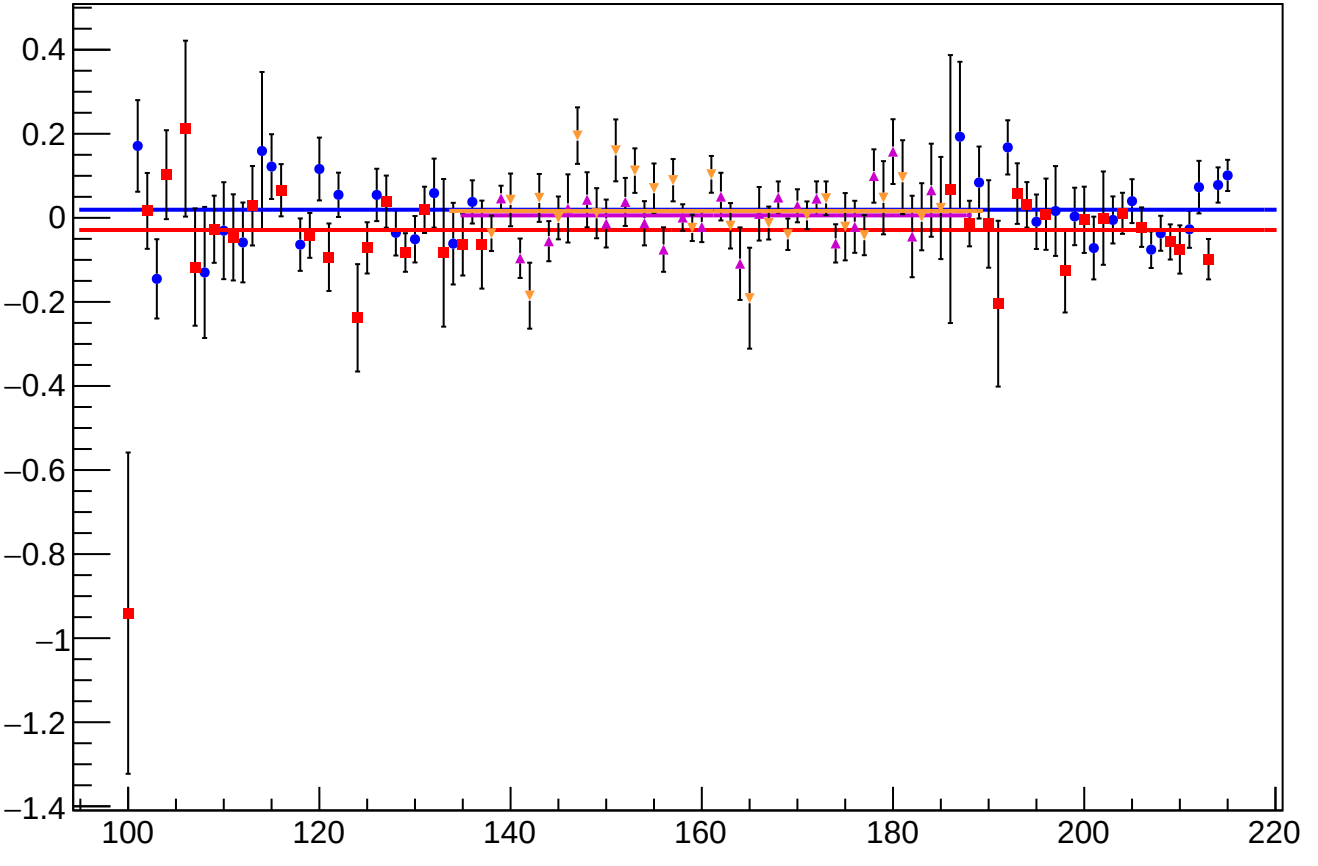
Right: 46.575+/-0.006 χ^2/NDF: 6353692.7/64

In: 43.023+/-0.005 χ^2/NDF:5544707.9/53

Out: 44.642+/-0.006 χ^2/NDF:7060814.7/58

All: 43.801+/-0.004 χ^2/NDF: 12649459.6/112

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/30

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.029+/-0.012 χ^2/NDF: 28.4/33

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

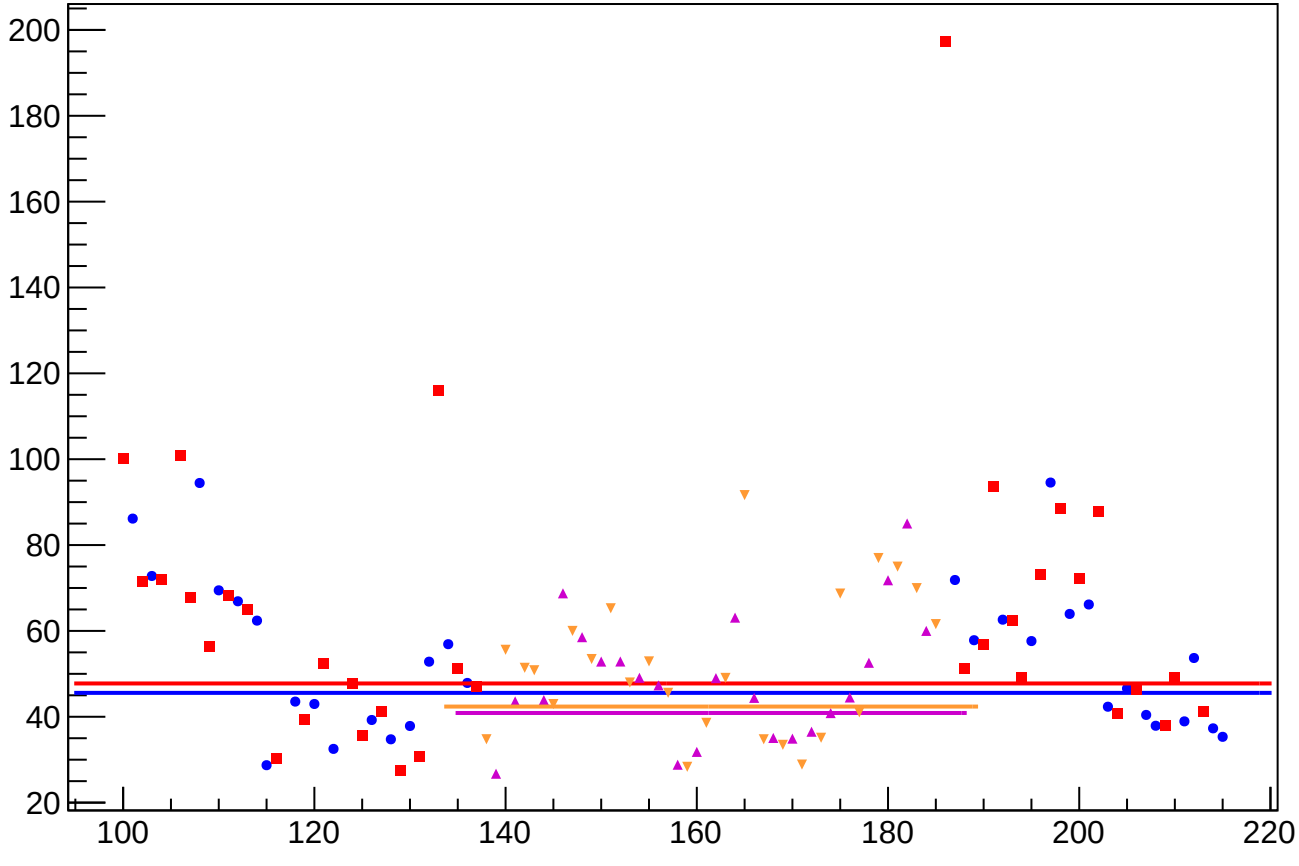
Right: -0.003+/-0.008 χ^2/NDF: 78.1/64

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: -0.003+/-0.008 χ^2/NDF:77.6/58

All: 0.005+/-0.005 χ^2/NDF: 147.3/112

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.566+/-0.008 χ^2/NDF: 2676557.4/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 47.758+/-0.009 χ^2/NDF: 3641904.9/33

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

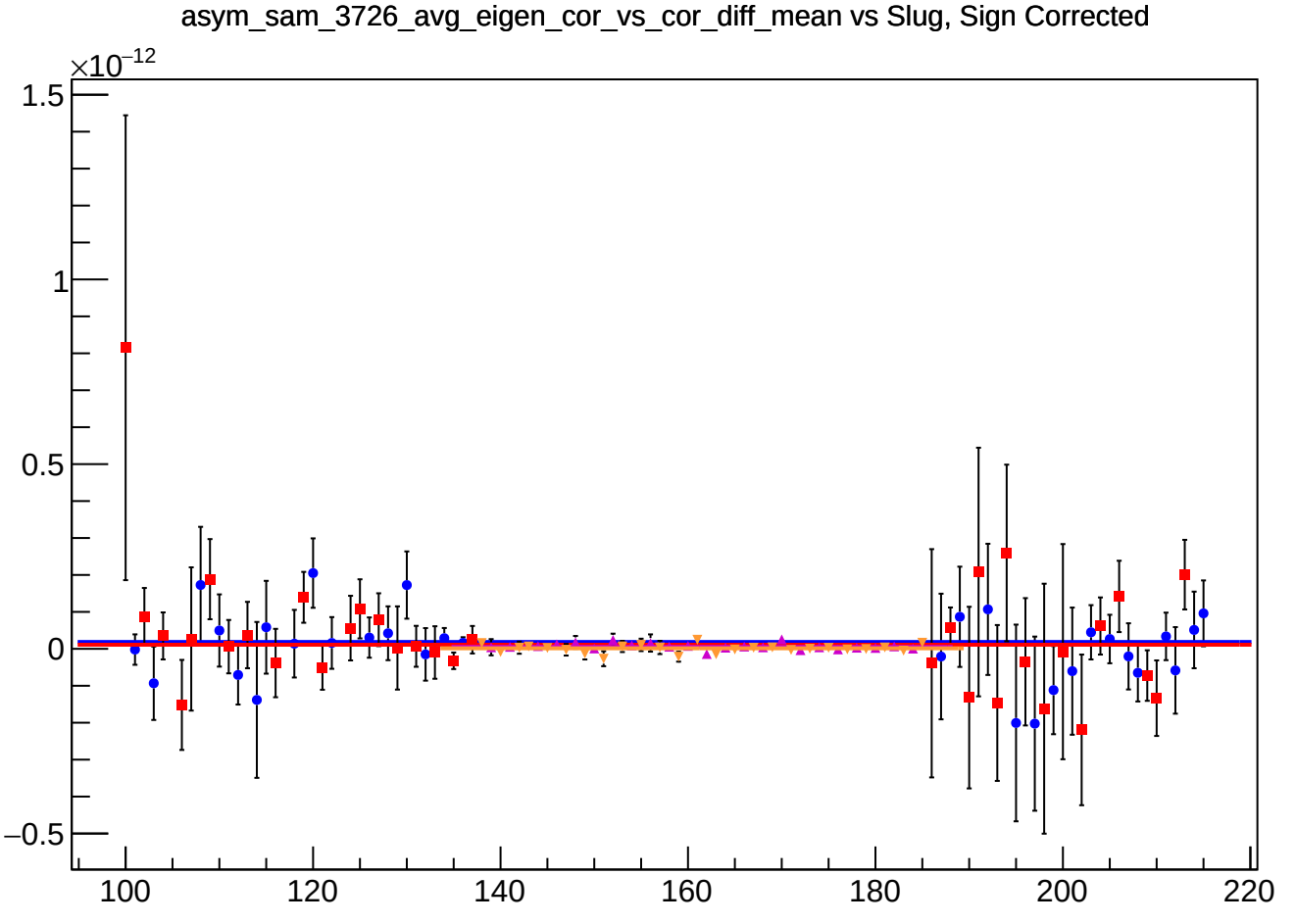
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 46.575+/-0.006 χ^2/NDF: 6353692.7/64

In: 43.023+/-0.005 χ^2/NDF:5544707.9/53

Out: 44.642+/-0.006 χ^2/NDF:7060814.7/58

All: 43.801+/-0.004 χ^2/NDF: 12649459.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.3/33

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

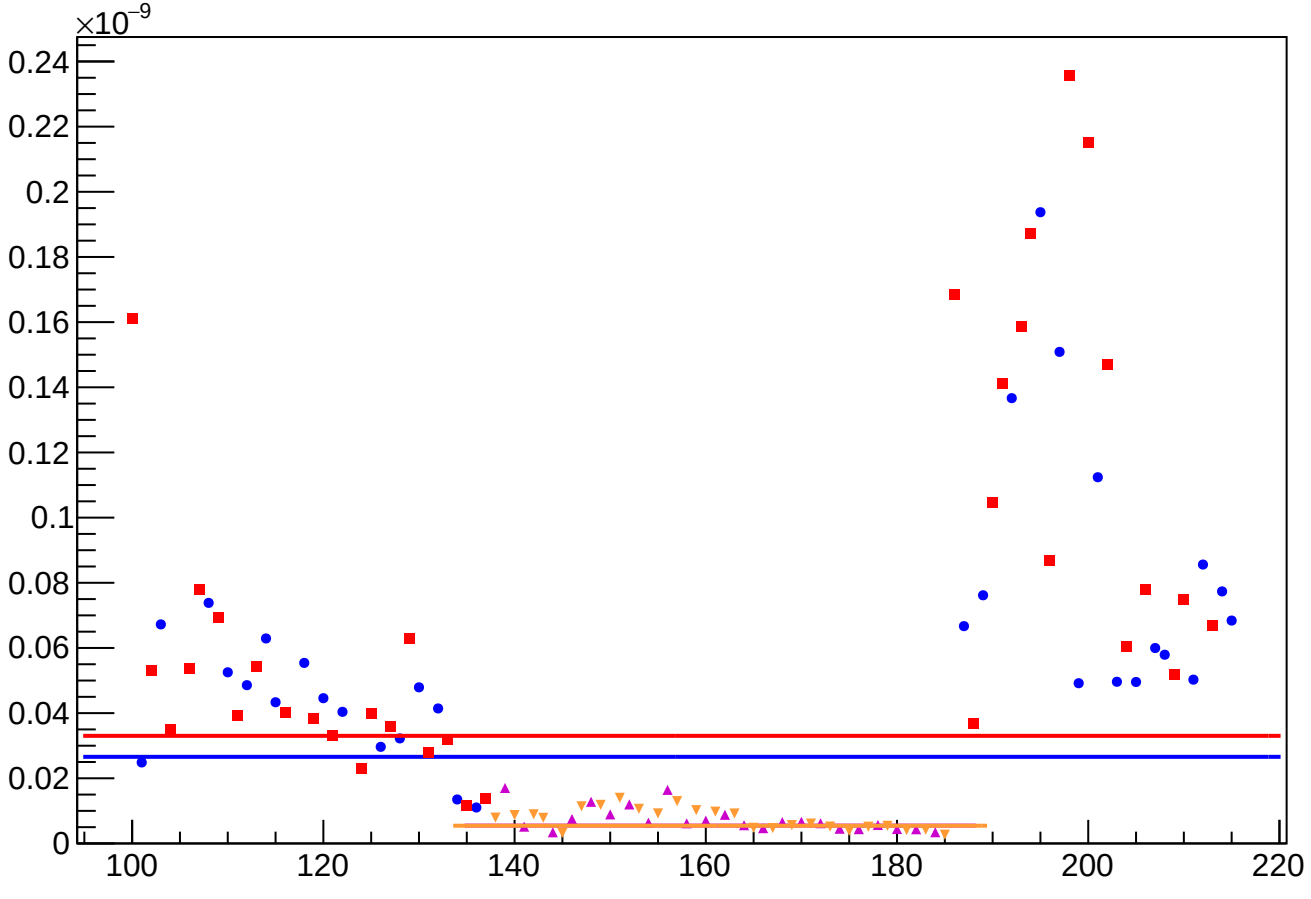
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 51.7/64

In: 0.000+/-0.000 χ^2/NDF:33.0/53

Out: 0.000+/-0.000 χ^2/NDF:53.5/58

All: 0.000+/-0.000 χ^2/NDF: 89.1/112



Right In: 0.000+/-0.000 χ^2/NDF: 9817263.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9361422.1/33

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

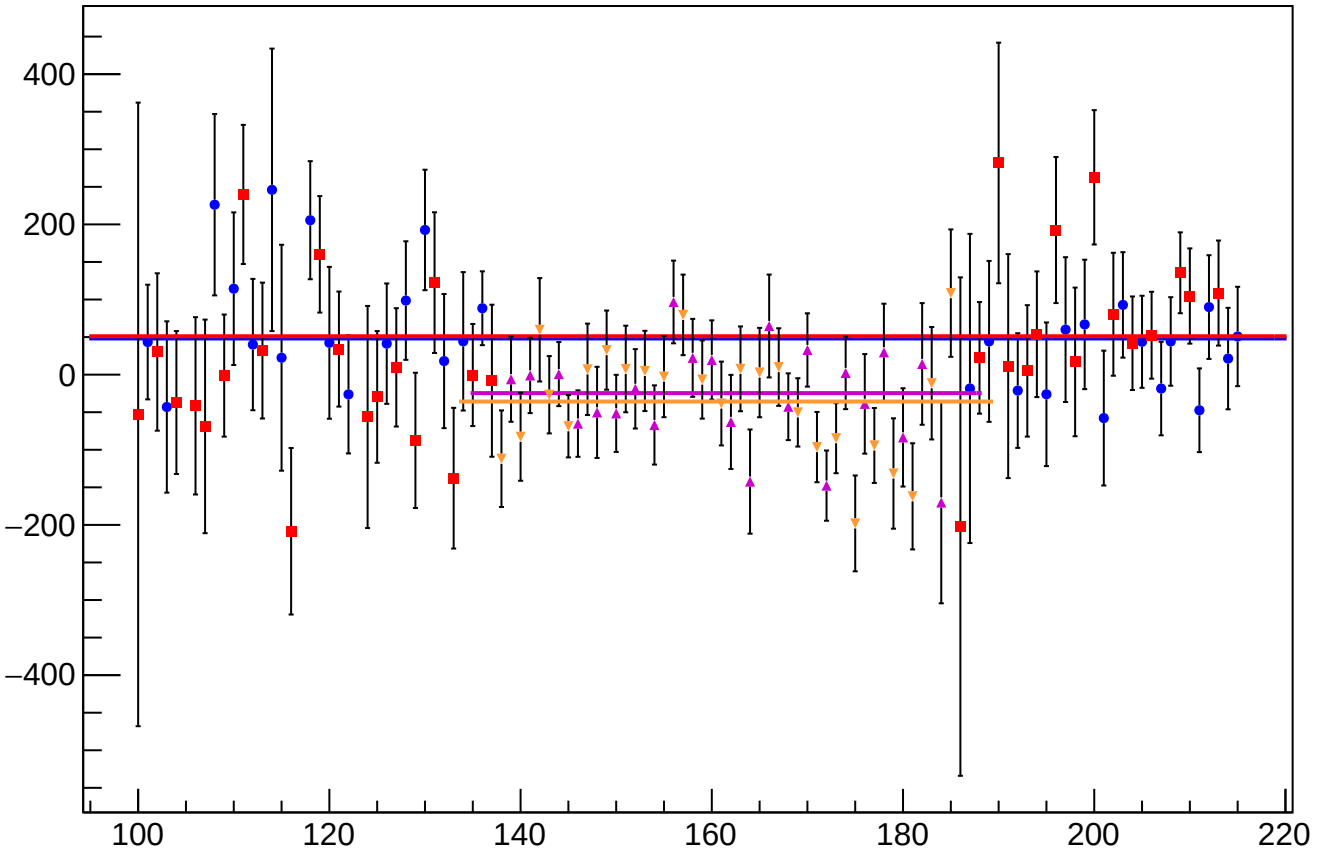
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 19499470.7/64

In: 0.000+/-0.000 χ^2/NDF:20833362.5/53

Out: 0.000+/-0.000 χ^2/NDF:22862710.2/58

All: 0.000+/-0.000 χ^2/NDF: 43701545.2/112



Right In: 48.165+/-14.254 χ^2/NDF: 21.8/30

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 51.121+/-14.865 χ^2/NDF: 39.0/33

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

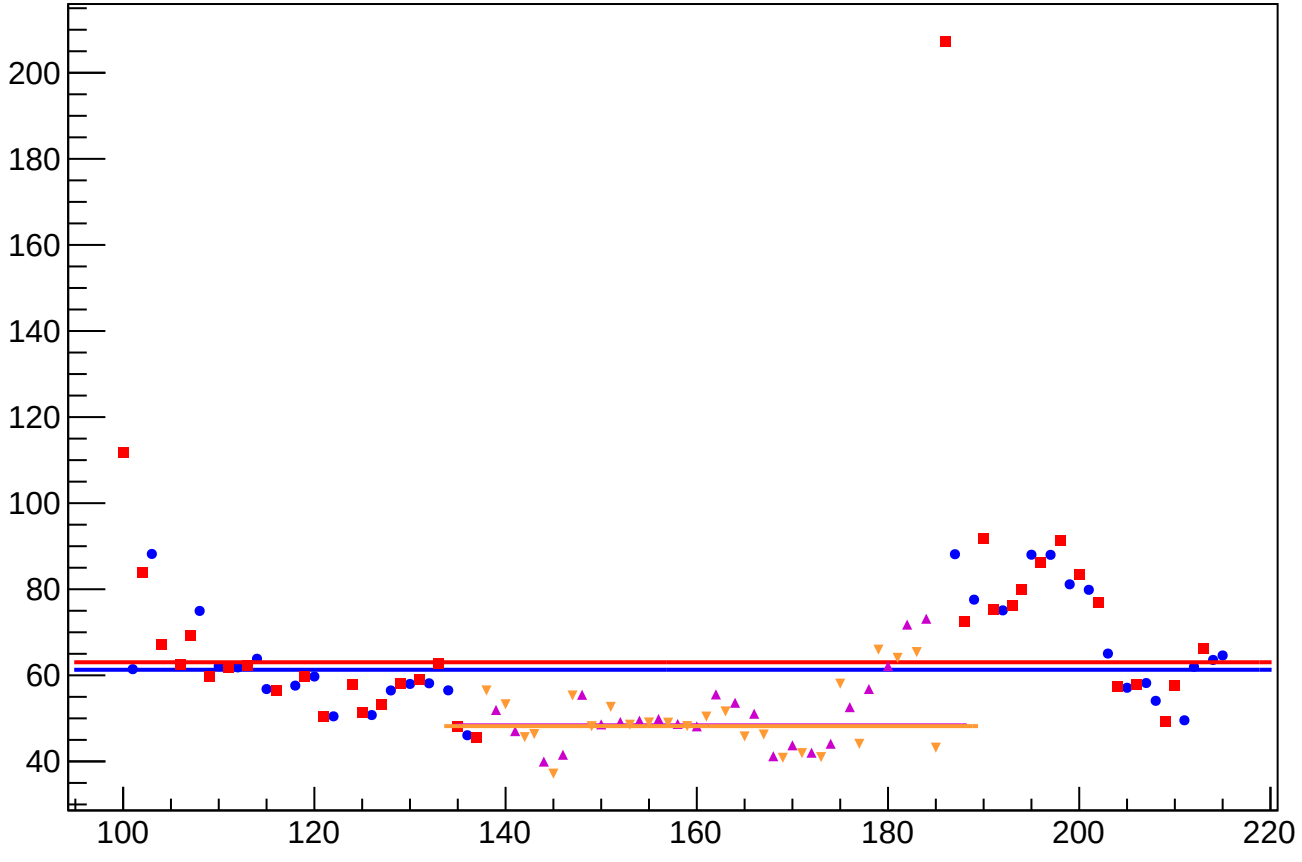
Right: 49.581+/-10.288 χ^2/NDF: 60.8/64

In: 4.019+/-8.937 χ^2/NDF:63.3/53

Out: -4.605+/-8.904 χ^2/NDF:94.6/58

All: -0.309+/-6.308 χ^2/NDF: 158.4/112

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.290+/-0.010 χ^2/NDF: 1220796.2/30

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.038+/-0.011 χ^2/NDF: 1652825.1/33

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

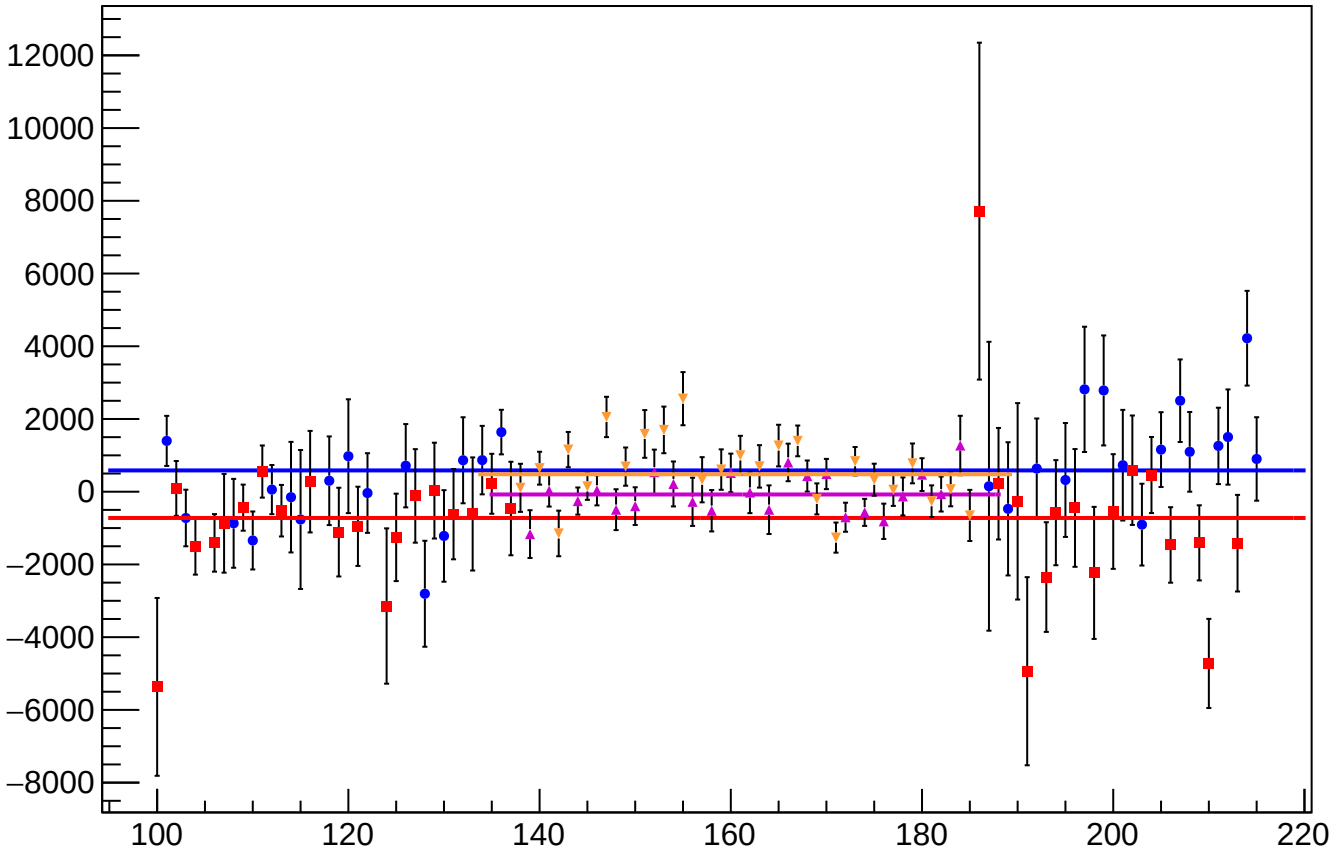
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.127+/-0.007 χ^2/NDF: 2888035.4/64

In: 53.455+/-0.006 χ^2/NDF:2911762.7/53

Out: 53.523+/-0.006 χ^2/NDF:3711178.6/58

All: 53.489+/-0.004 χ^2/NDF: 6622999.3/112



Right In: 585.648+/-196.610 χ^2/NDF: 41.9/30

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -721.858+/-193.960 χ^2/NDF: 36.2/33

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

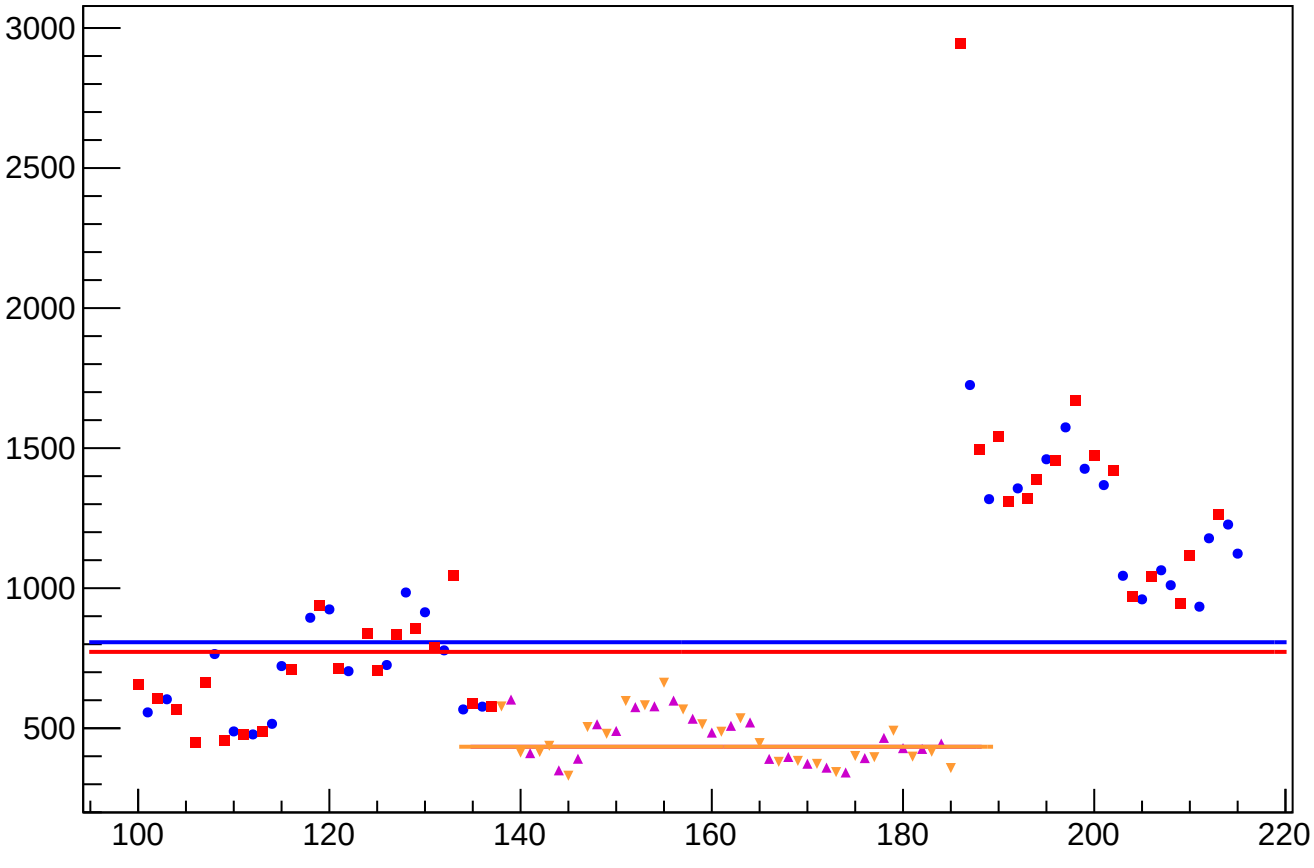
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -76.974+/-138.078 χ^2/NDF: 100.5/64

In: 67.028+/-91.327 χ^2/NDF:75.2/53

Out: 225.691+/-89.251 χ^2/NDF:135.7/58

All: 148.184+/-63.831 χ^2/NDF: 212.5/112



Right In: 807.060+/-0.139 χ^2/NDF: 4568540.1/30

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 772.586+/-0.137 χ^2/NDF: 6082802.9/33

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

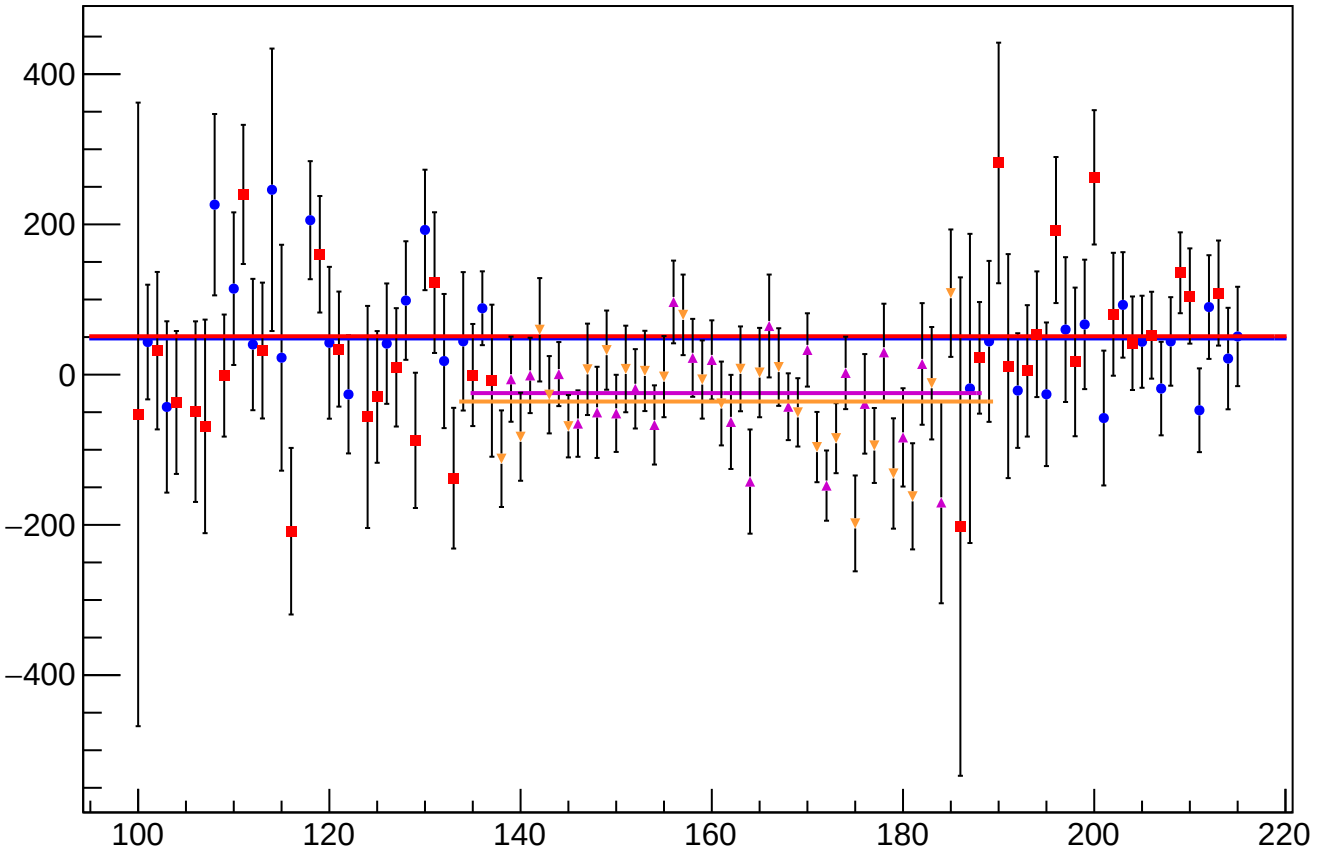
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 789.589+/-0.098 χ^2/NDF: 10682505.8/64

In: 514.276+/-0.065 χ^2/NDF:11318794.4/53

Out: 505.648+/-0.063 χ^2/NDF:12132154.9/58

All: 509.863+/-0.045 χ^2/NDF: 23460080.6/1



Right In: 48.168+/-14.254 χ^2/NDF: 21.8/30

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 51.090+/-14.869 χ^2/NDF: 39.1/33

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

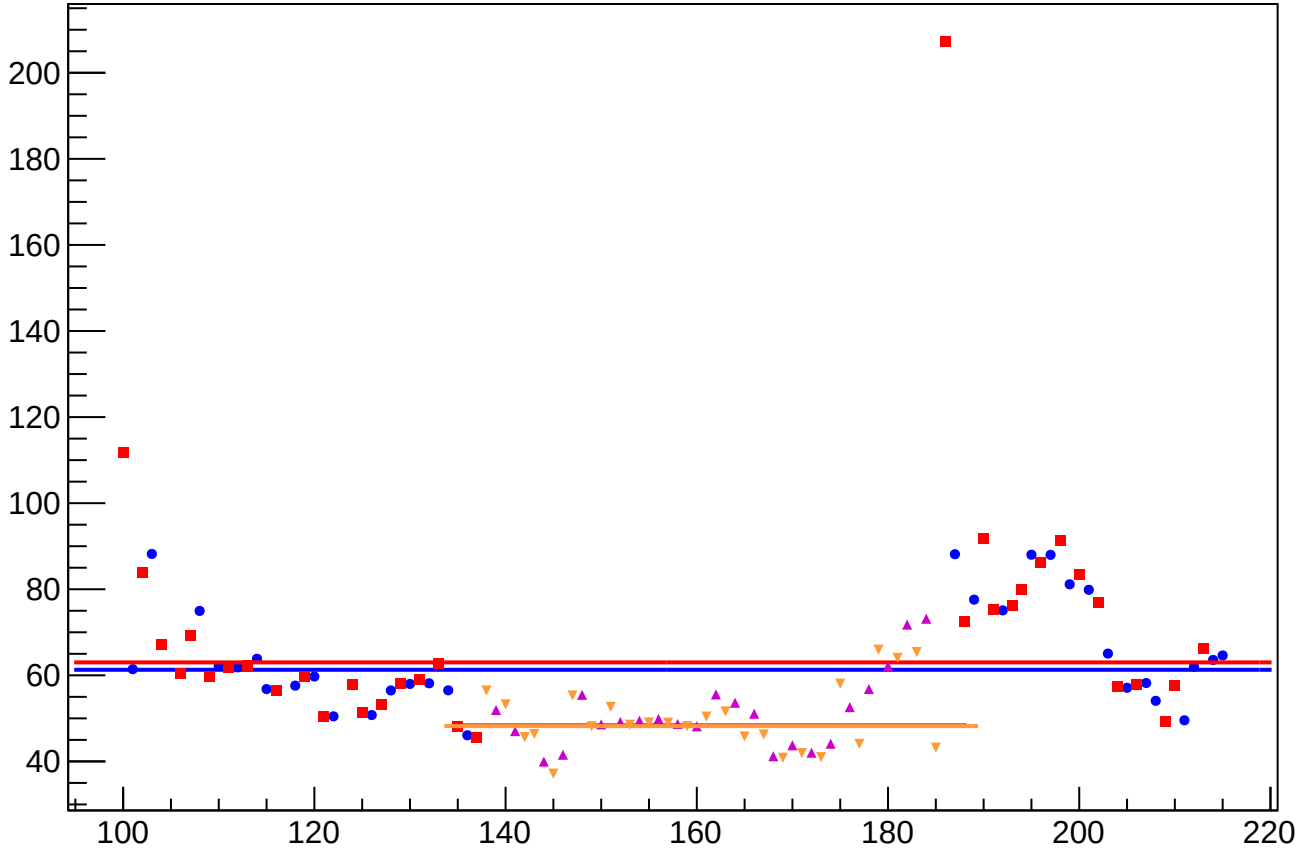
Right: 49.567+/-10.290 χ^2/NDF: 60.9/64

In: 4.019+/-8.937 χ^2/NDF:63.3/53

Out: -4.632+/-8.905 χ^2/NDF:94.7/58

All: -0.322+/-6.308 χ^2/NDF: 158.4/112

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.290+/-0.010 χ^2/NDF: 1220799.7/30

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.007+/-0.011 χ^2/NDF: 1653925.1/33

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

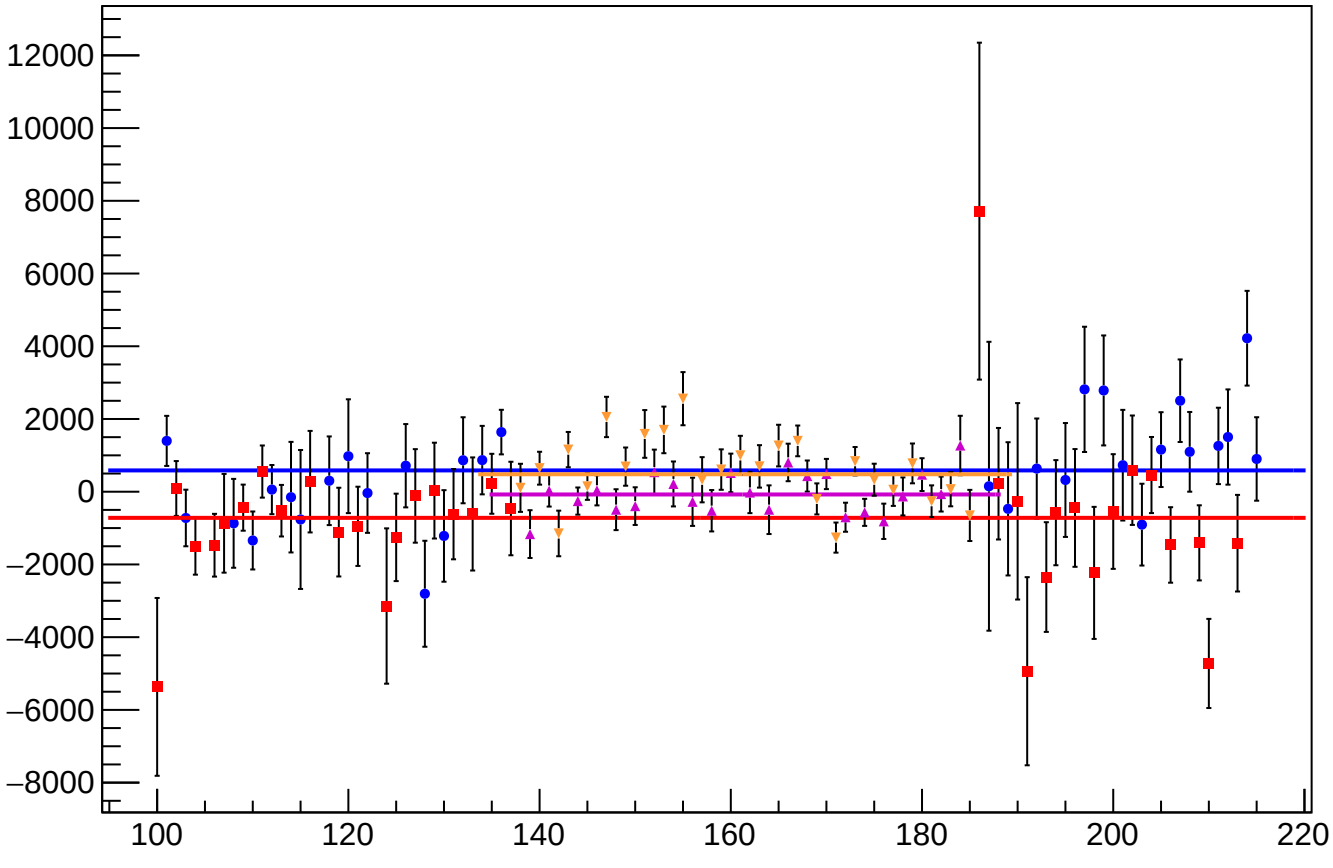
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.112+/-0.007 χ^2/NDF: 2888635.5/64

In: 53.455+/-0.006 χ^2/NDF:2911766.6/53

Out: 53.510+/-0.006 χ^2/NDF:3706540.3/58

All: 53.482+/-0.004 χ^2/NDF: 6618344.9/112



Right In: 585.677+/-196.611 χ^2/NDF: 41.9/30

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -718.746+/-194.898 χ^2/NDF: 36.2/33

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

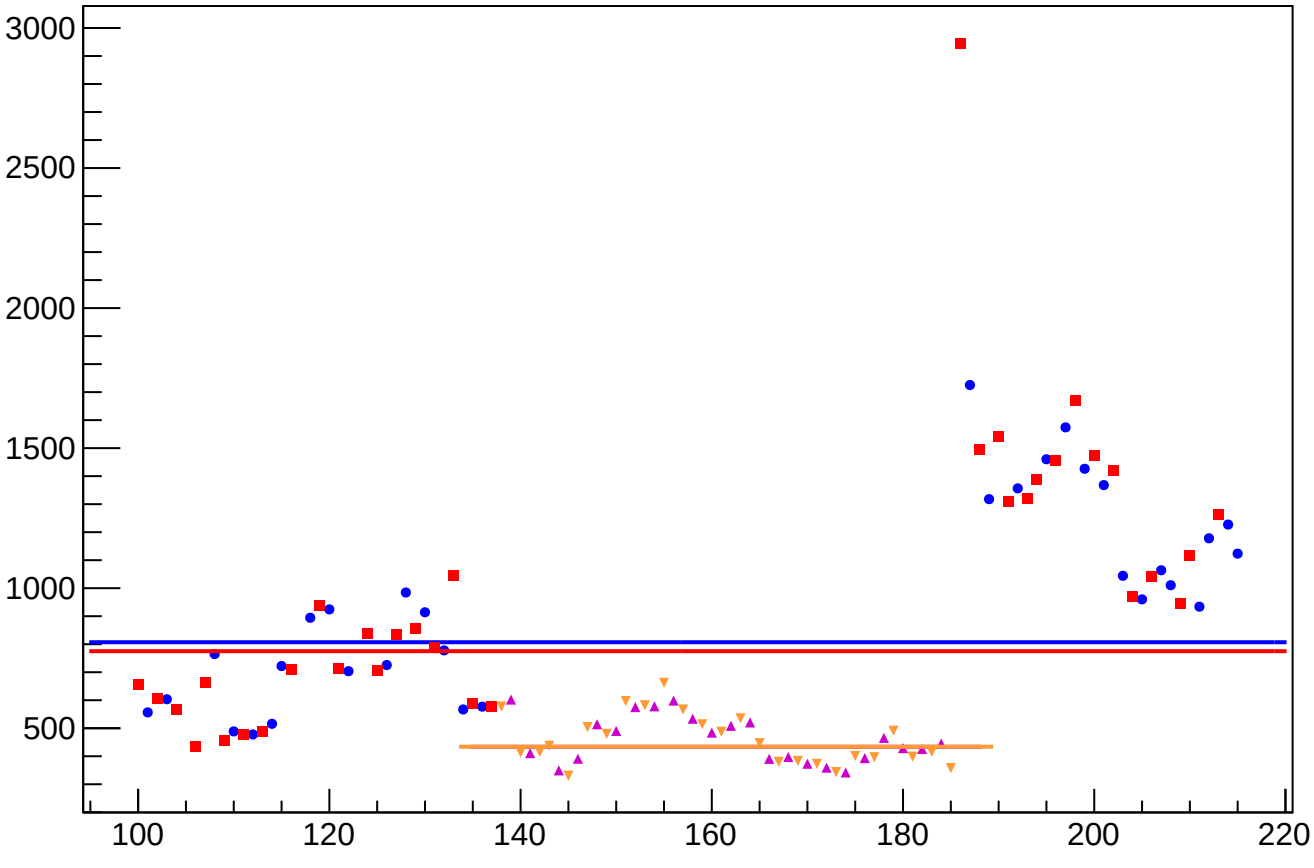
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -72.242+/-138.415 χ^2/NDF: 100.3/64

In: 67.031+/-91.327 χ^2/NDF:75.2/53

Out: 228.271+/-89.342 χ^2/NDF:135.3/58

All: 149.423+/-63.864 χ^2/NDF: 212.1/112



Right In: 807.065+/-0.139 χ^2/NDF: 4568458.2/30

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 775.070+/-0.138 χ^2/NDF: 6052039.8/33

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

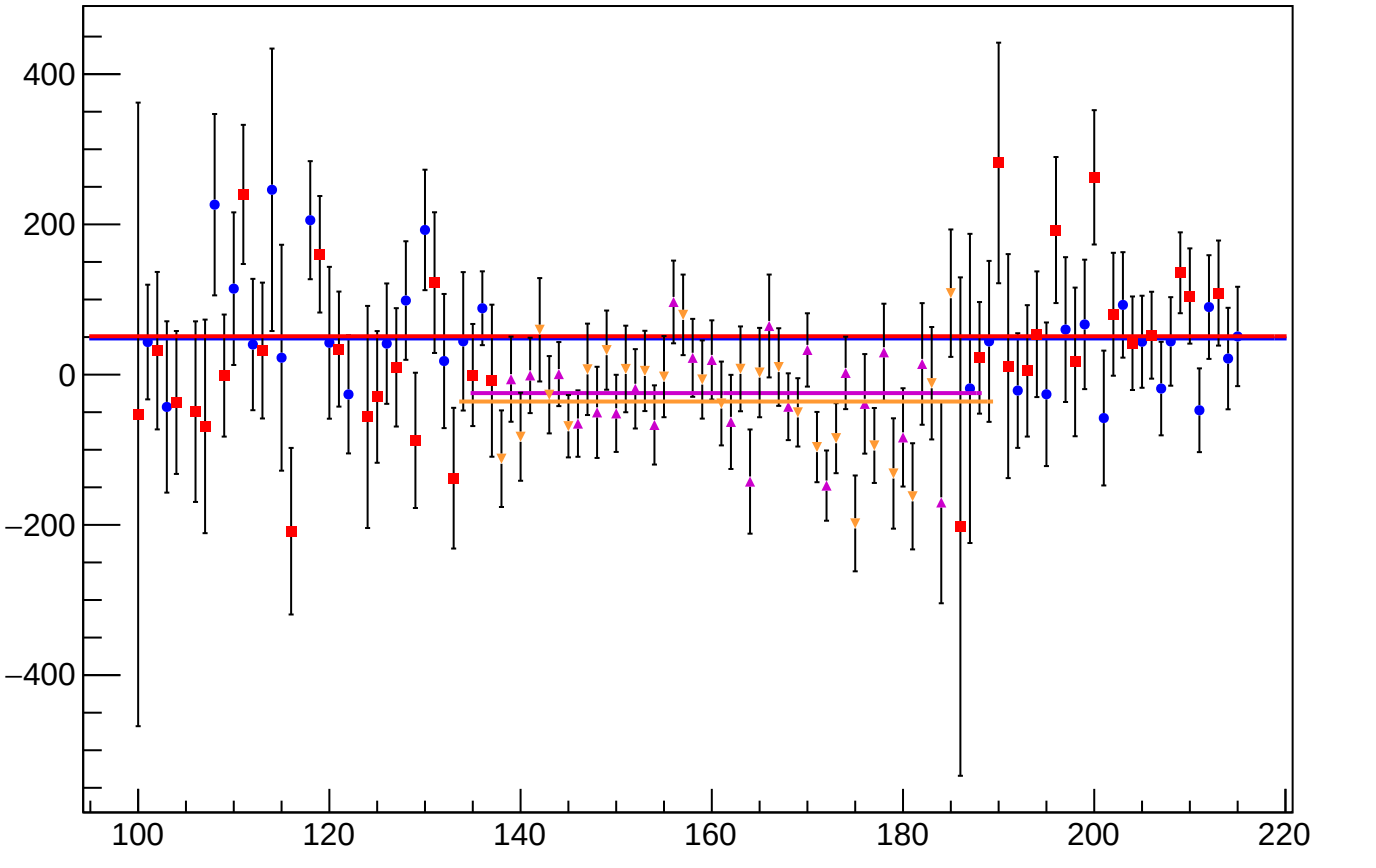
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 790.928+/-0.098 χ^2/NDF: 10647210.9/64

In: 514.277+/-0.065 χ^2/NDF:11318812.1/53

Out: 505.627+/-0.063 χ^2/NDF:12135211.8/58

All: 509.857+/-0.045 χ^2/NDF: 23463192.7/11



Right In: 48.168+/-14.254 χ^2/NDF: 21.8/30

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 51.090+/-14.869 χ^2/NDF: 39.1/33

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

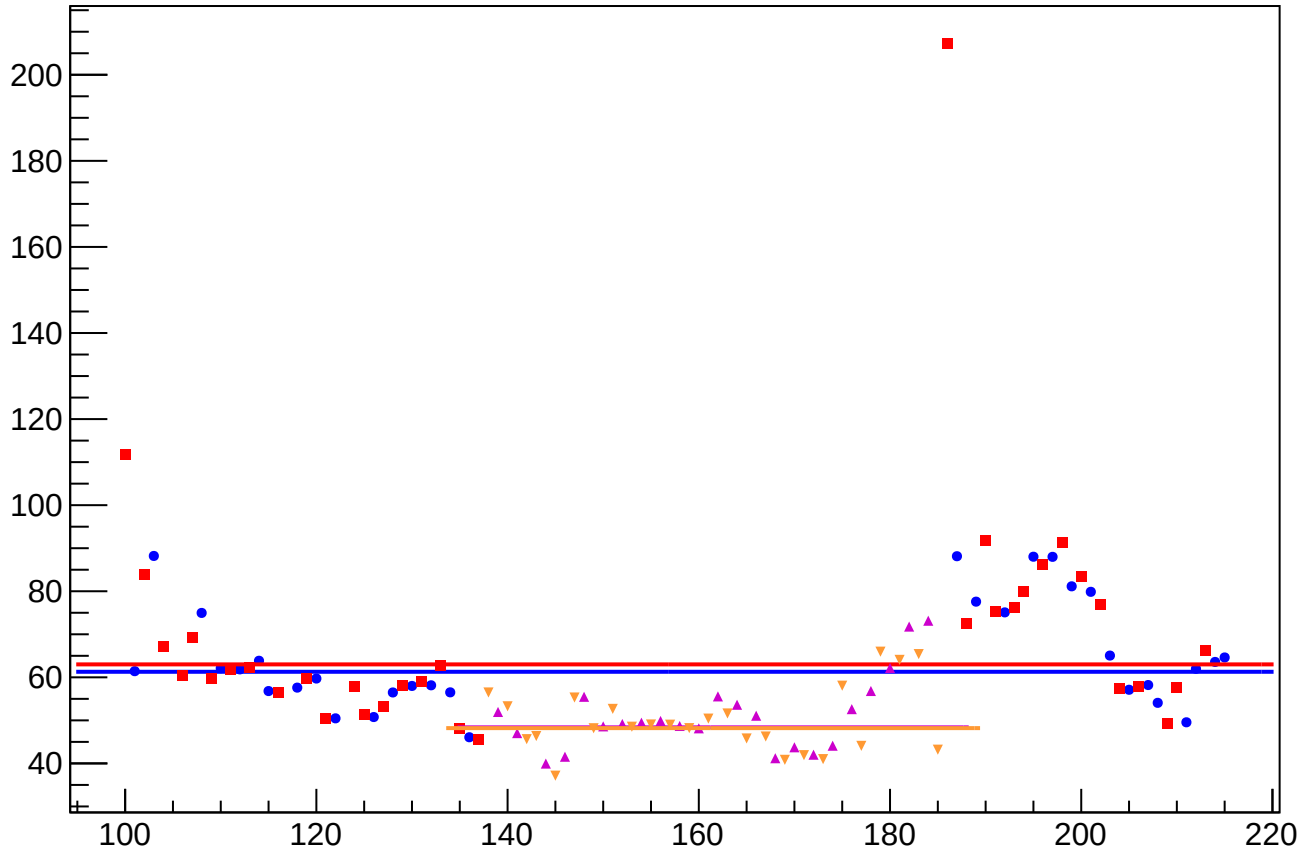
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 49.567+/-10.290 χ^2/NDF: 60.9/64

In: 4.019+/-8.937 χ^2/NDF:63.3/53

Out: -4.632+/-8.905 χ^2/NDF:94.7/58

All: -0.322+/-6.308 χ^2/NDF: 158.4/112



Right In: 61.290+/-0.010 χ^2/NDF: 1220799.7/30

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.007+/-0.011 χ^2/NDF: 1653925.1/33

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

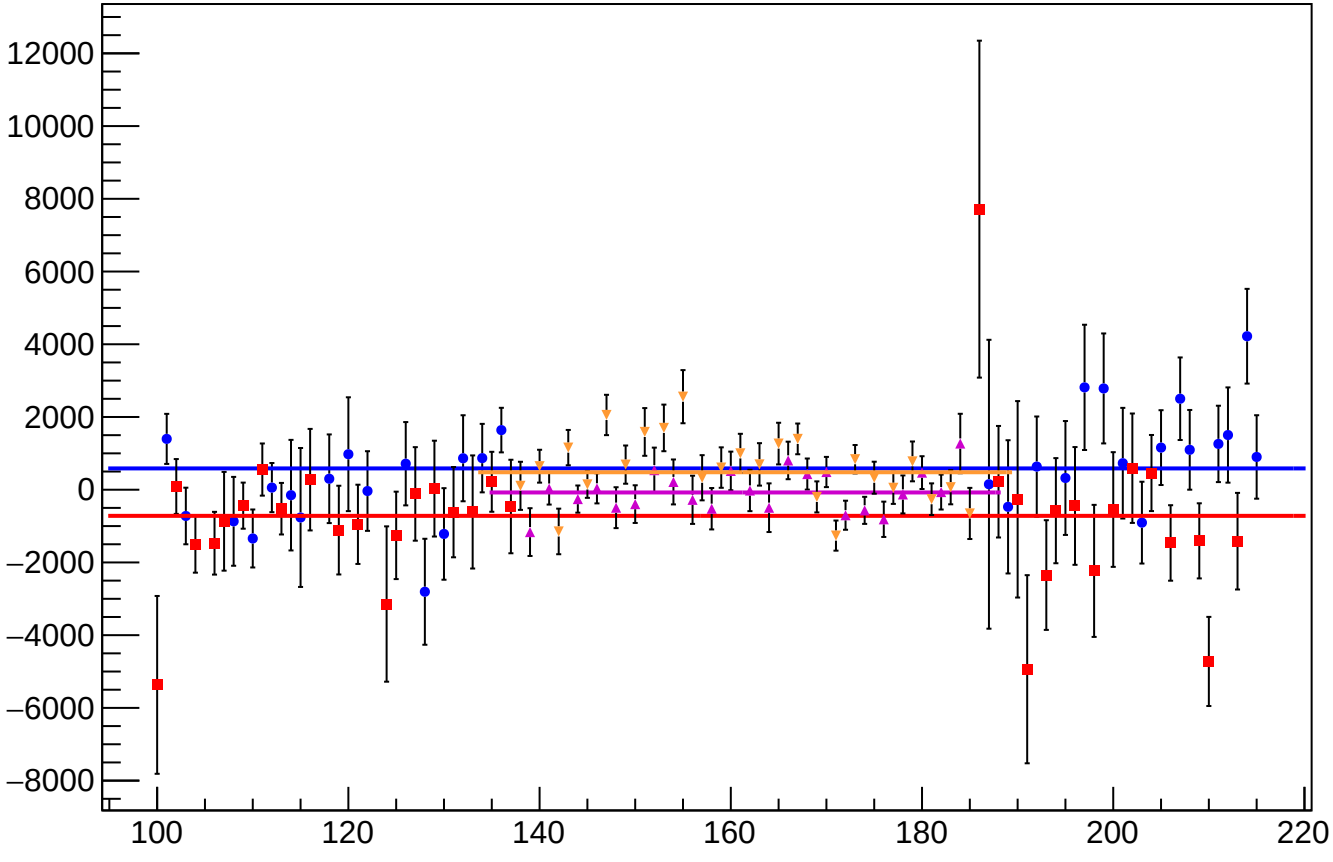
Right: 62.112+/-0.007 χ^2/NDF: 2888635.5/64

In: 53.455+/-0.006 χ^2/NDF:2911766.6/53

Out: 53.510+/-0.006 χ^2/NDF:3706540.3/58

All: 53.482+/-0.004 χ^2/NDF: 6618344.9/112

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 585.677+/-196.611 χ^2/NDF: 41.9/30

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -718.746+/-194.898 χ^2/NDF: 36.2/33

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

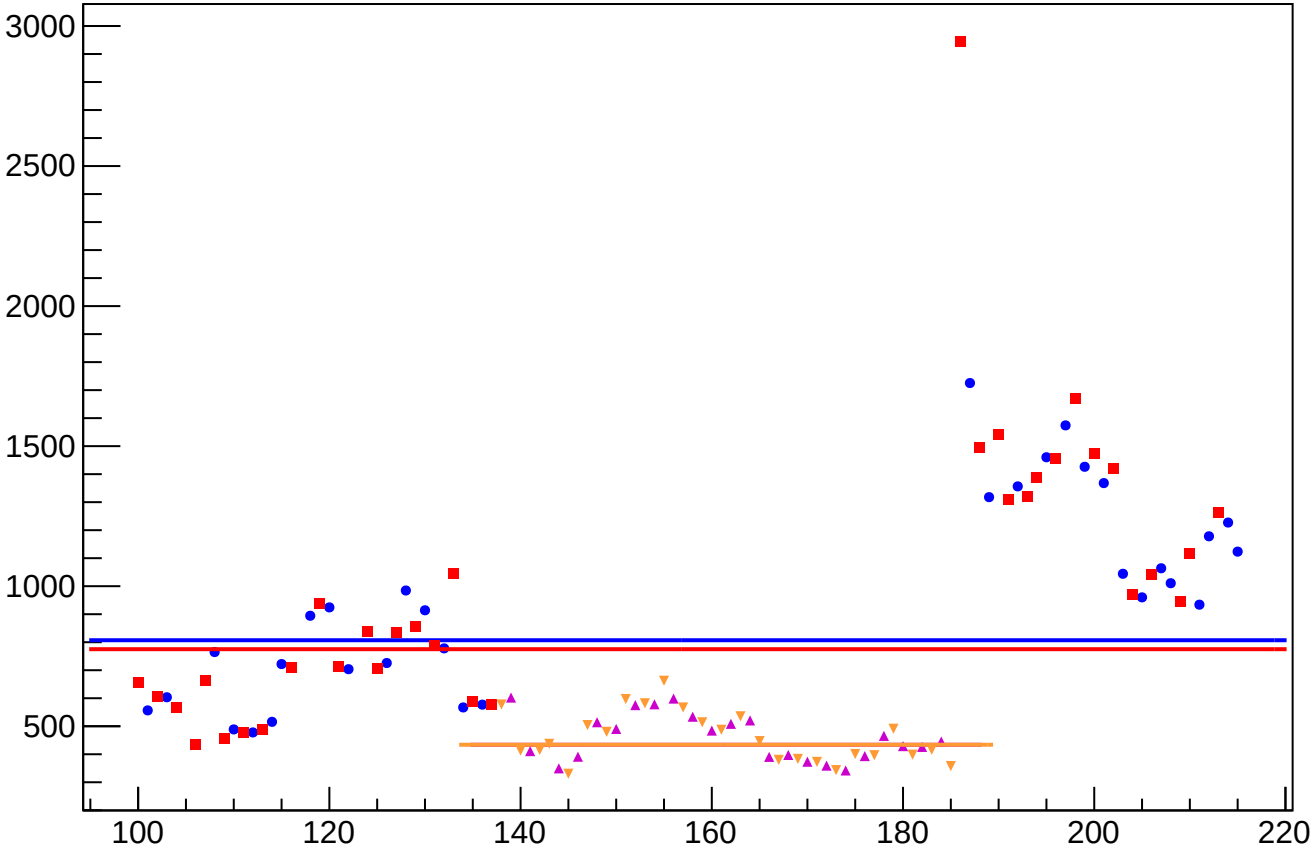
Right: -72.242+/-138.415 χ^2/NDF: 100.3/64

In: 67.031+/-91.327 χ^2/NDF:75.2/53

Out: 228.271+/-89.342 χ^2/NDF:135.3/58

All: 149.423+/-63.864 χ^2/NDF: 212.1/112

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 807.065+/-0.139 χ^2/NDF: 4568458.2/30

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 775.070+/-0.138 χ^2/NDF: 6052039.8/33

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

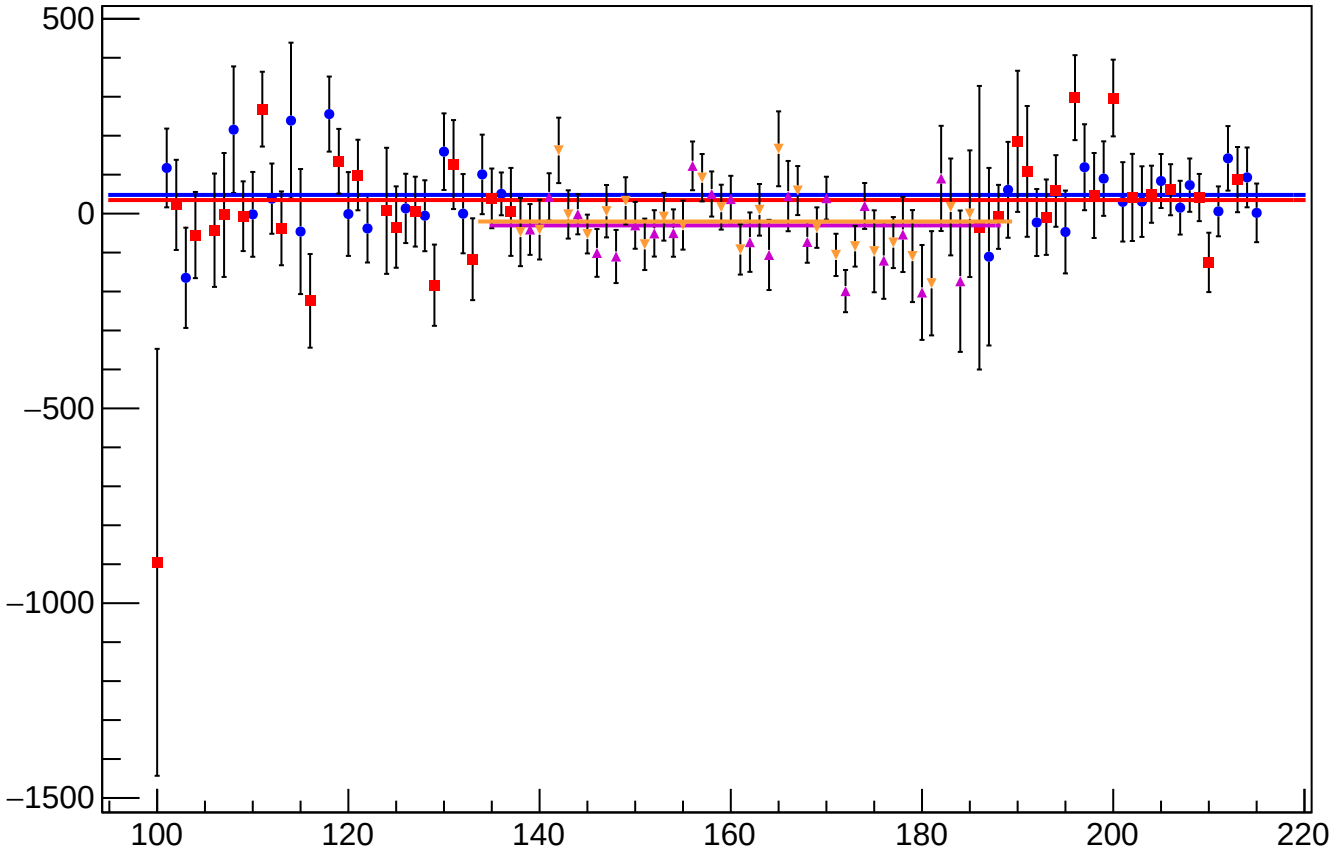
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 790.928+/-0.098 χ^2/NDF: 10647210.9/64

In: 514.277+/-0.065 χ^2/NDF:11318812.1/53

Out: 505.627+/-0.063 χ^2/NDF:12135211.8/58

All: 509.857+/-0.045 χ^2/NDF: 23463192.7/11



Right In: 47.975+/-16.323 χ^2/NDF: 19.5/30

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 34.747+/-16.916 χ^2/NDF: 44.3/33

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

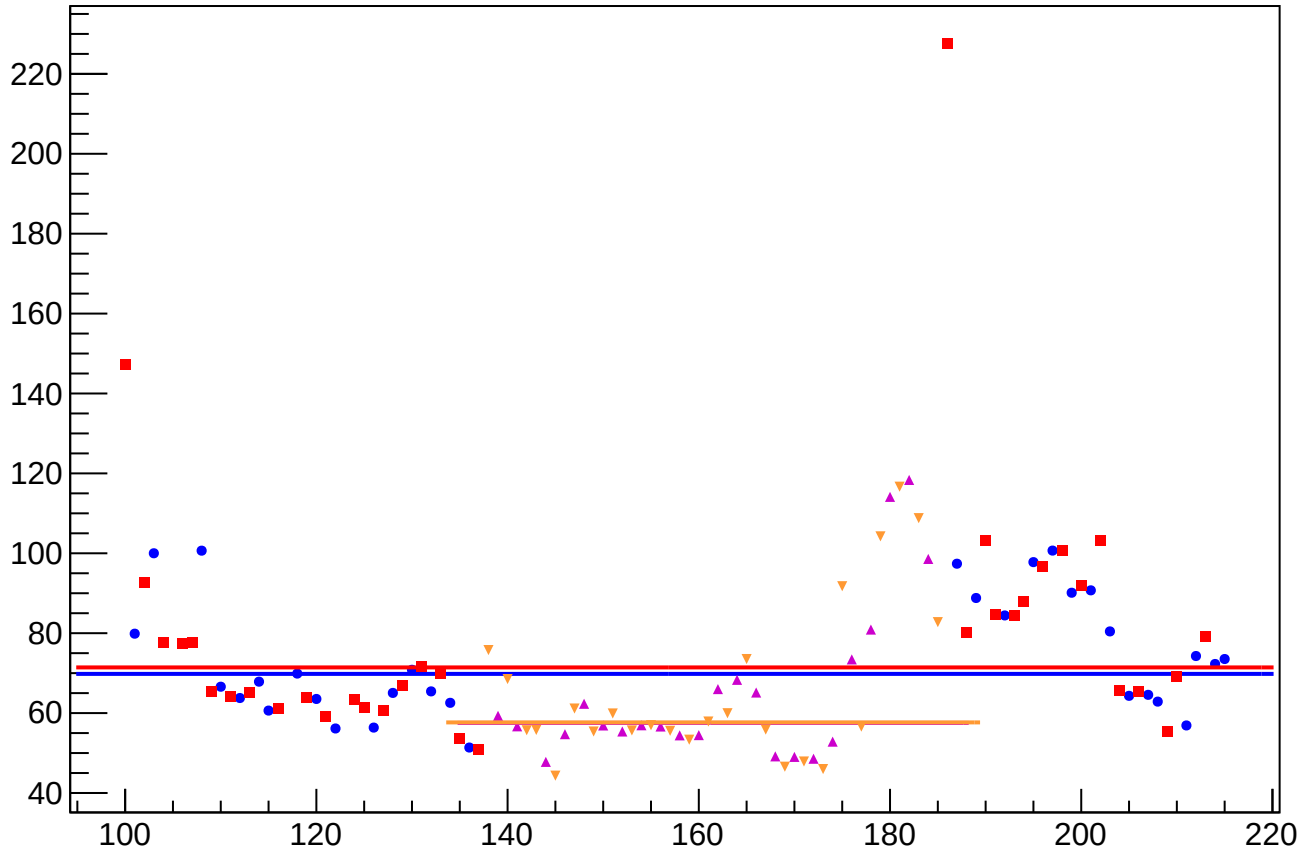
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 41.597+/-11.746 χ^2/NDF: 64.2/64

In: 2.807+/-10.617 χ^2/NDF:65.4/53

Out: 1.400+/-10.616 χ^2/NDF:75.9/58

All: 2.104+/-7.507 χ^2/NDF: 141.3/112



Right In: 69.813+/-0.012 χ^2/NDF: 1336251.4/30

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.433+/-0.012 χ^2/NDF: 1697739.4/33

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

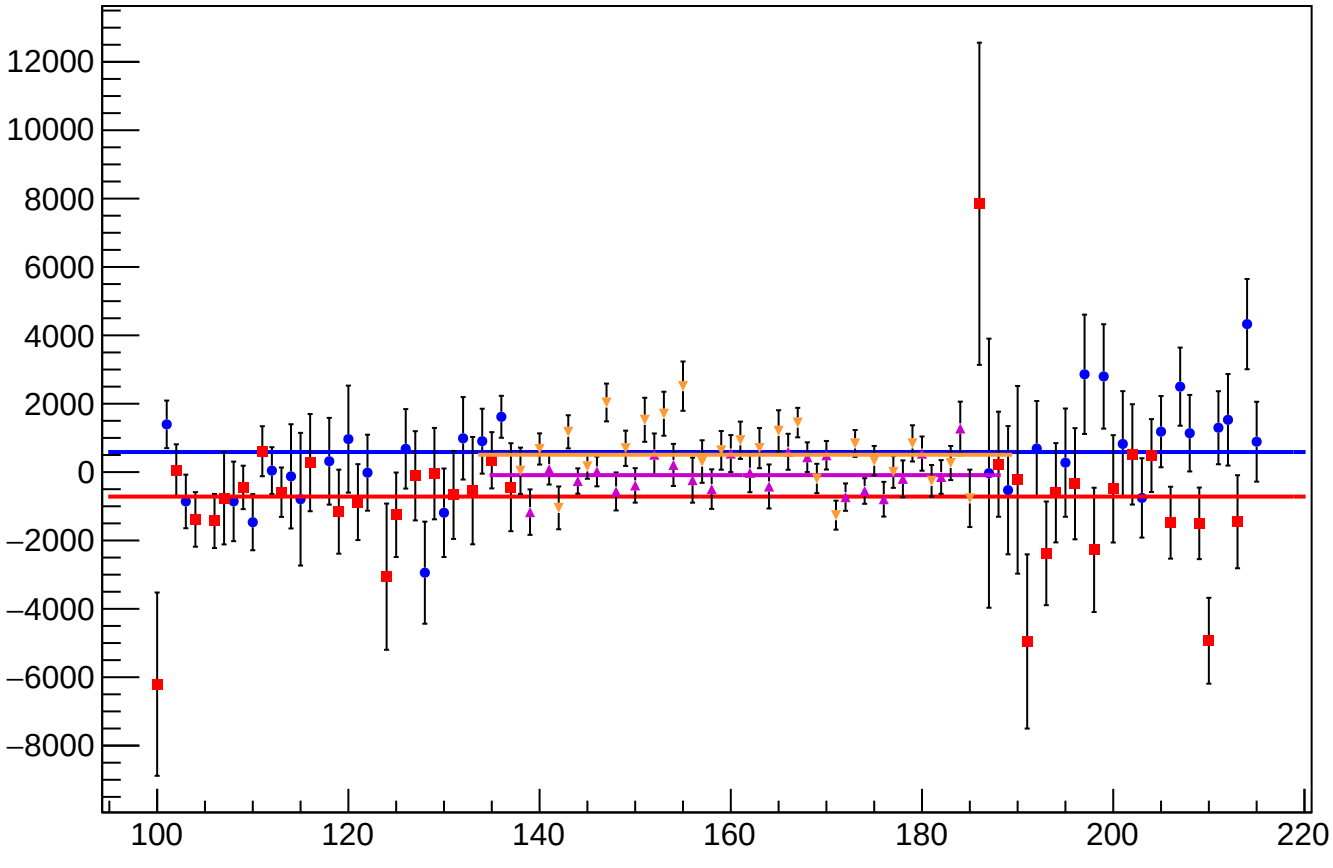
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 70.594+/-0.008 χ^2/NDF: 3043480.3/64

In: 62.732+/-0.008 χ^2/NDF:3431903.9/53

Out: 63.090+/-0.008 χ^2/NDF:4410102.5/58

All: 62.911+/-0.005 χ^2/NDF: 7843138.5/112



Right In: 586.888+/-199.066 χ^2/NDF: 42.8/30

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -716.250+/-195.961 χ^2/NDF: 37.6/33

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

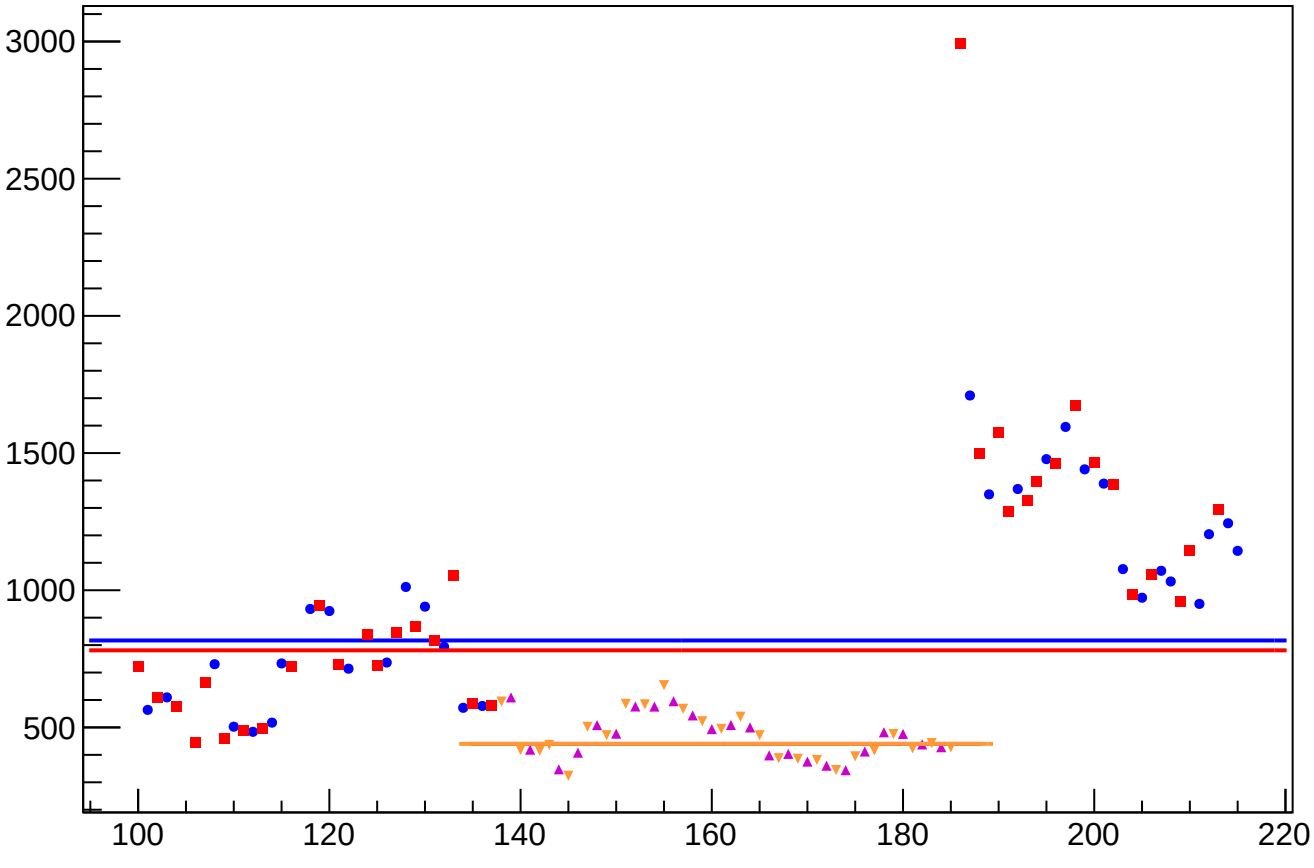
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -74.924+/-139.650 χ^2/NDF: 102.2/64

In: 57.524+/-92.555 χ^2/NDF:75.1/53

Out: 247.266+/-90.321 χ^2/NDF:134.1/58

All: 154.712+/-64.642 χ^2/NDF: 211.4/112



Right In: 816.927+/-0.141 χ^2/NDF: 4620890.3/30

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 780.958+/-0.139 χ^2/NDF: 6059153.8/33

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

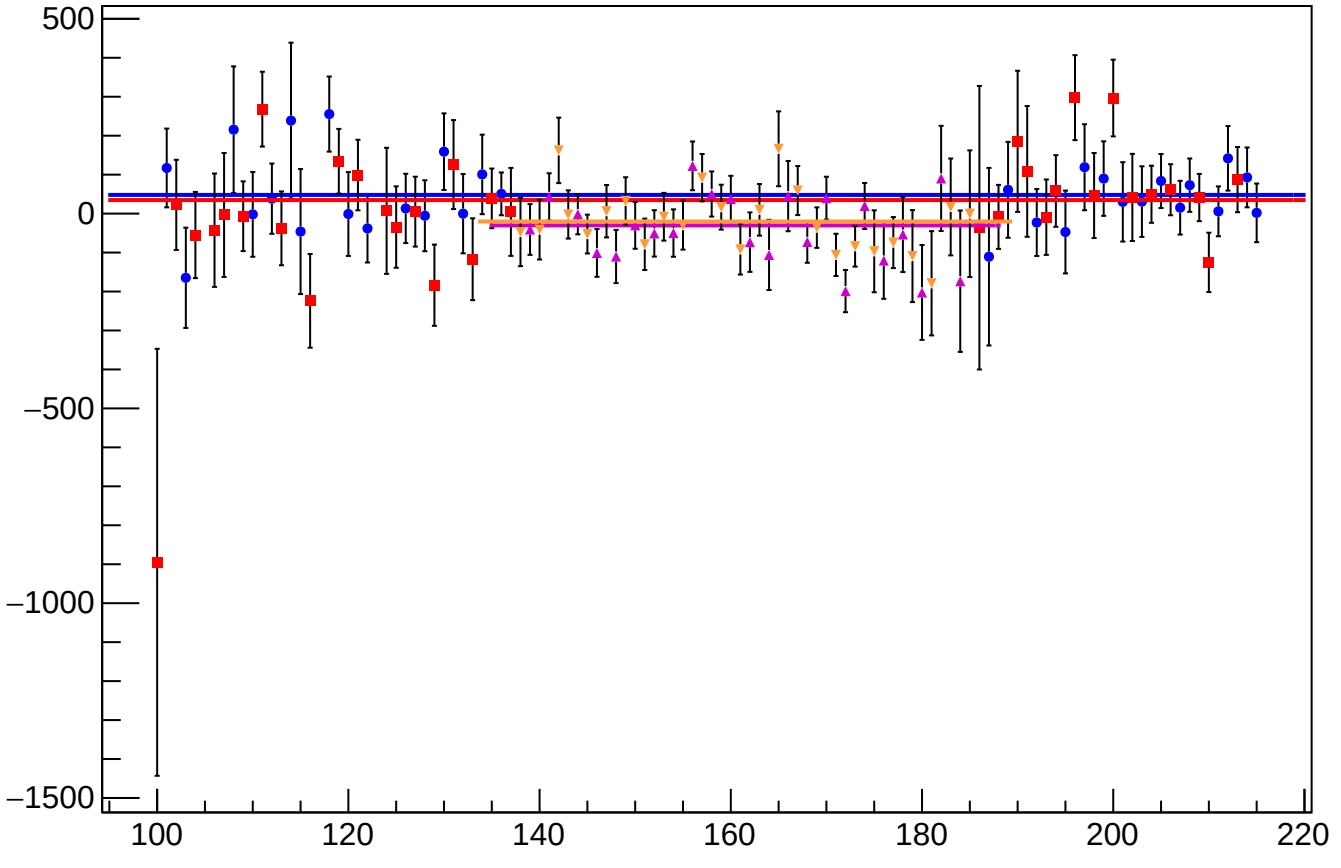
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 798.659+/-0.099 χ^2/NDF: 10713205.6/64

In: 521.385+/-0.065 χ^2/NDF:11306891.5/53

Out: 512.493+/-0.064 χ^2/NDF:12022469.3/58

All: 516.830+/-0.046 χ^2/NDF: 23338817.8/11



Right In: 47.973+/-16.323 χ^2/NDF: 19.5/30

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 34.748+/-16.916 χ^2/NDF: 44.3/33

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

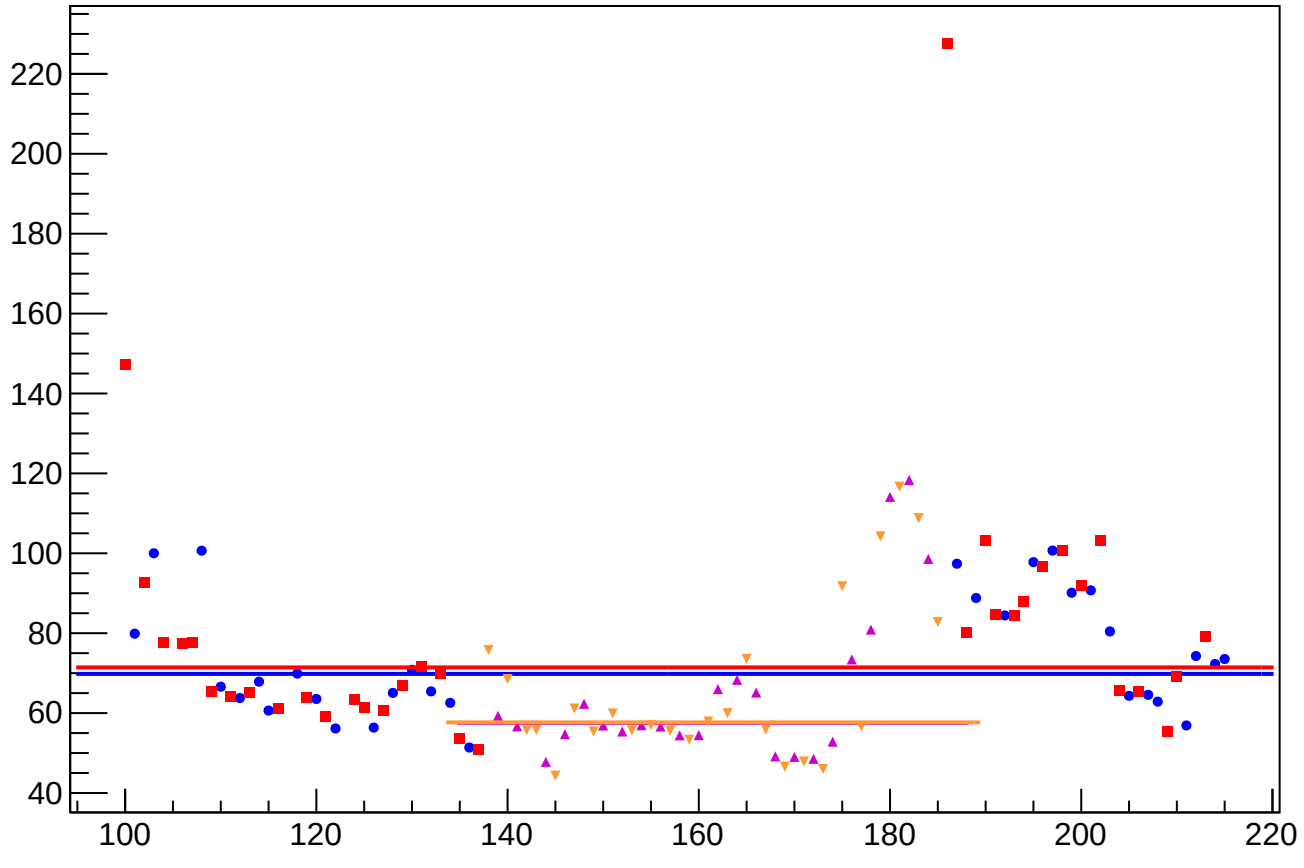
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 41.597+/-11.746 χ^2/NDF: 64.2/64

In: 2.807+/-10.617 χ^2/NDF:65.4/53

Out: 1.400+/-10.616 χ^2/NDF:75.9/58

All: 2.103+/-7.507 χ^2/NDF: 141.3/112



Right In: 69.813+/-0.012 χ^2/NDF: 1336224.6/30

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 71.433+/-0.012 χ^2/NDF: 1697743.9/33

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

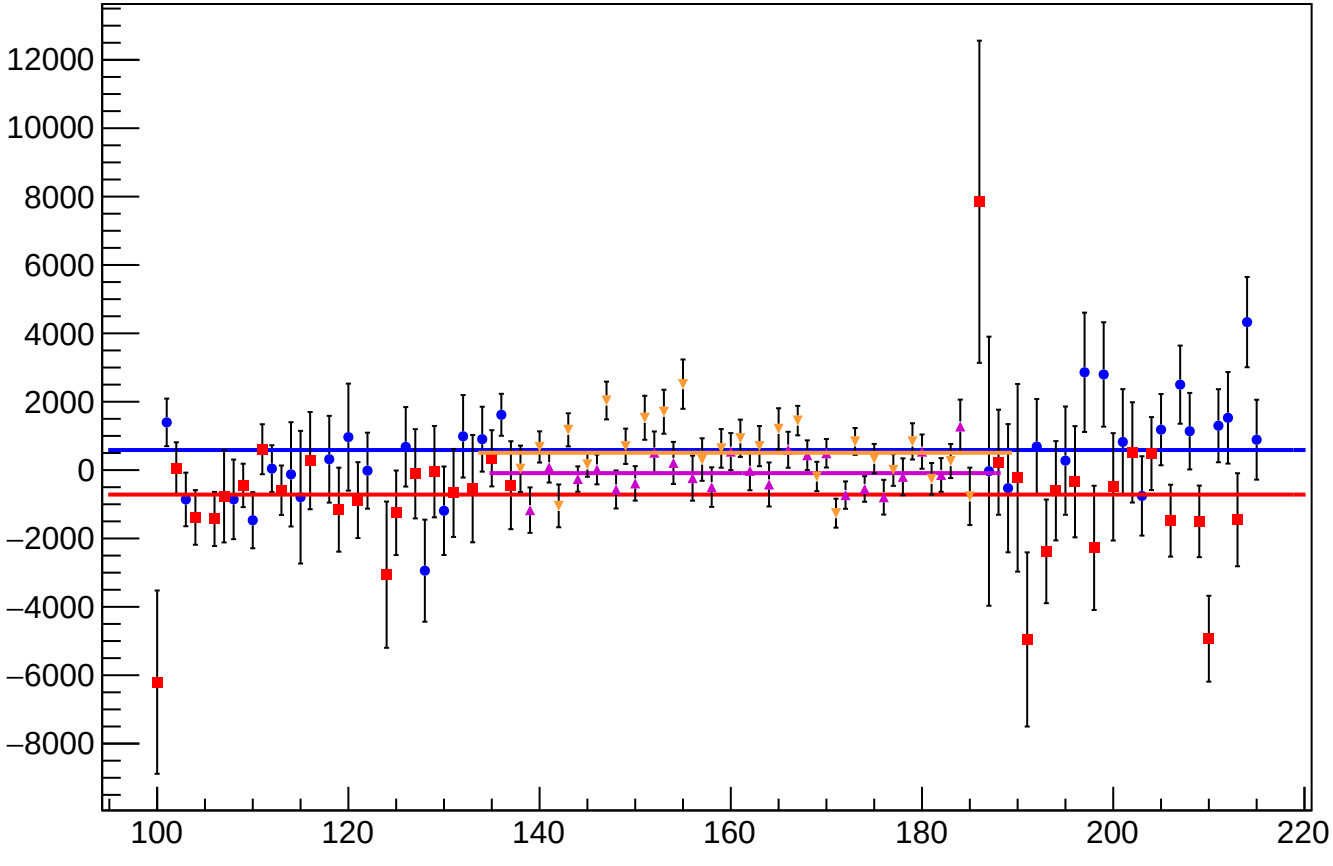
Right: 70.594+/-0.008 χ^2/NDF: 3043458.2/64

In: 62.732+/-0.008 χ^2/NDF:3431848.7/53

Out: 63.090+/-0.008 χ^2/NDF:4410084.4/58

All: 62.911+/-0.005 χ^2/NDF: 7843065.6/112

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 586.886+/-199.066 χ^2/NDF: 42.8/30

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -716.248+/-195.961 χ^2/NDF: 37.6/33

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

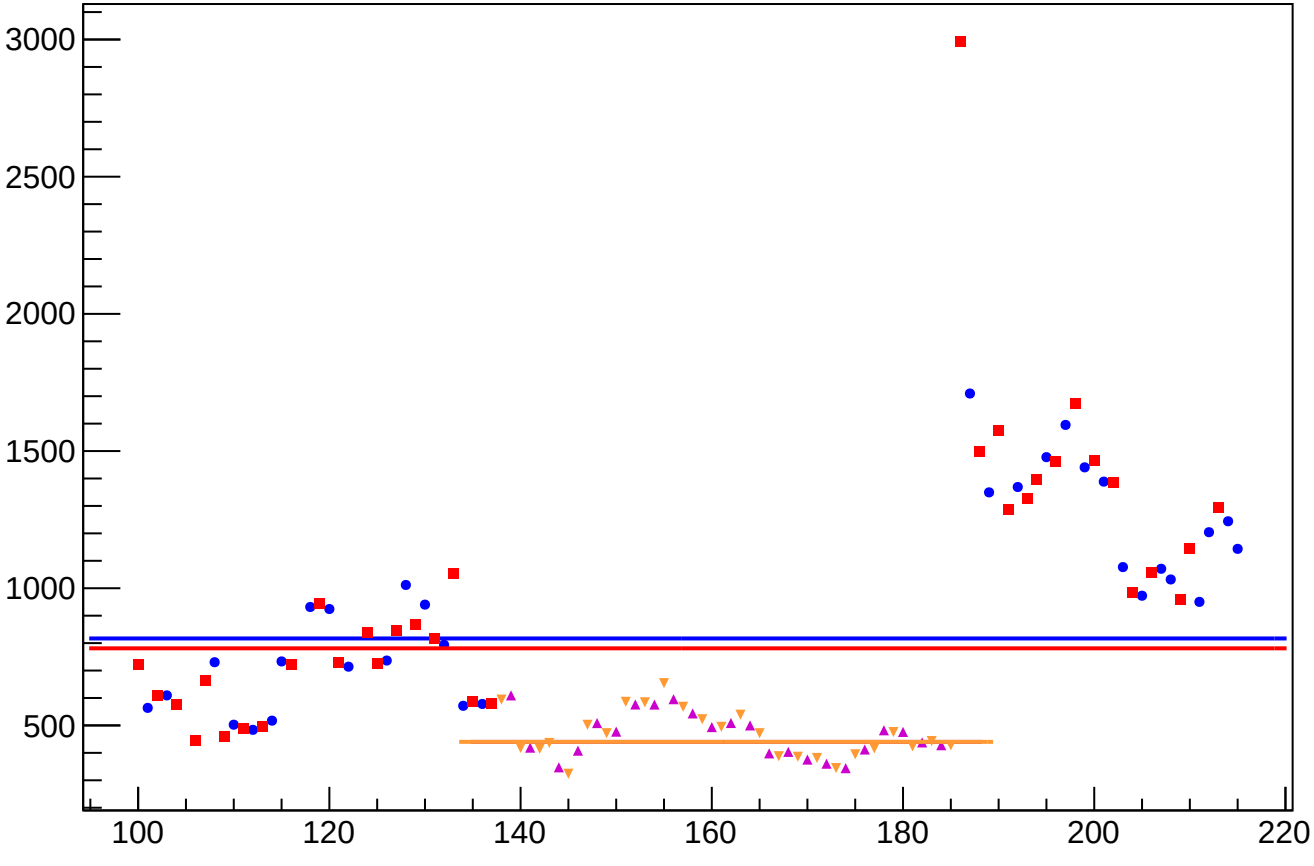
Right: -74.924+/-139.650 χ^2/NDF: 102.2/64

In: 57.523+/-92.555 χ^2/NDF:75.1/53

Out: 247.266+/-90.321 χ^2/NDF:134.1/58

All: 154.712+/-64.642 χ^2/NDF: 211.4/112

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 816.926+/-0.141 χ^2/NDF: 4620895.2/30

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 780.957+/-0.139 χ^2/NDF: 6059159.2/33

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

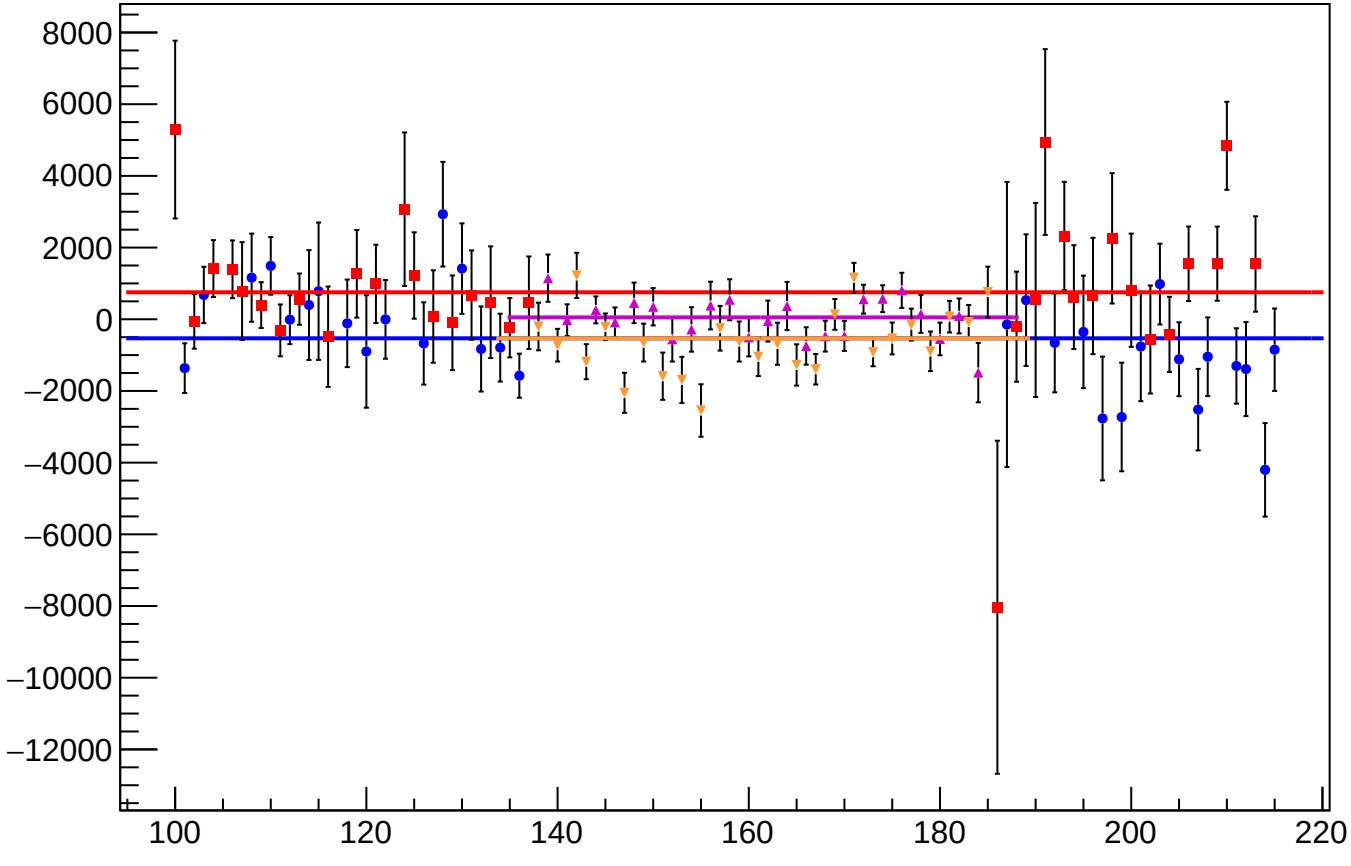
Right: 798.659+/-0.099 χ^2/NDF: 10713215.8/64

In: 521.384+/-0.065 χ^2/NDF:11306927.8/53

Out: 512.491+/-0.064 χ^2/NDF:12022501.6/58

All: 516.829+/-0.046 χ^2/NDF: 23338886.2/1

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -531.206+/-197.461 χ^2/NDF: 43.4/30

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 752.961+/-195.068 χ^2/NDF: 35.9/33

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

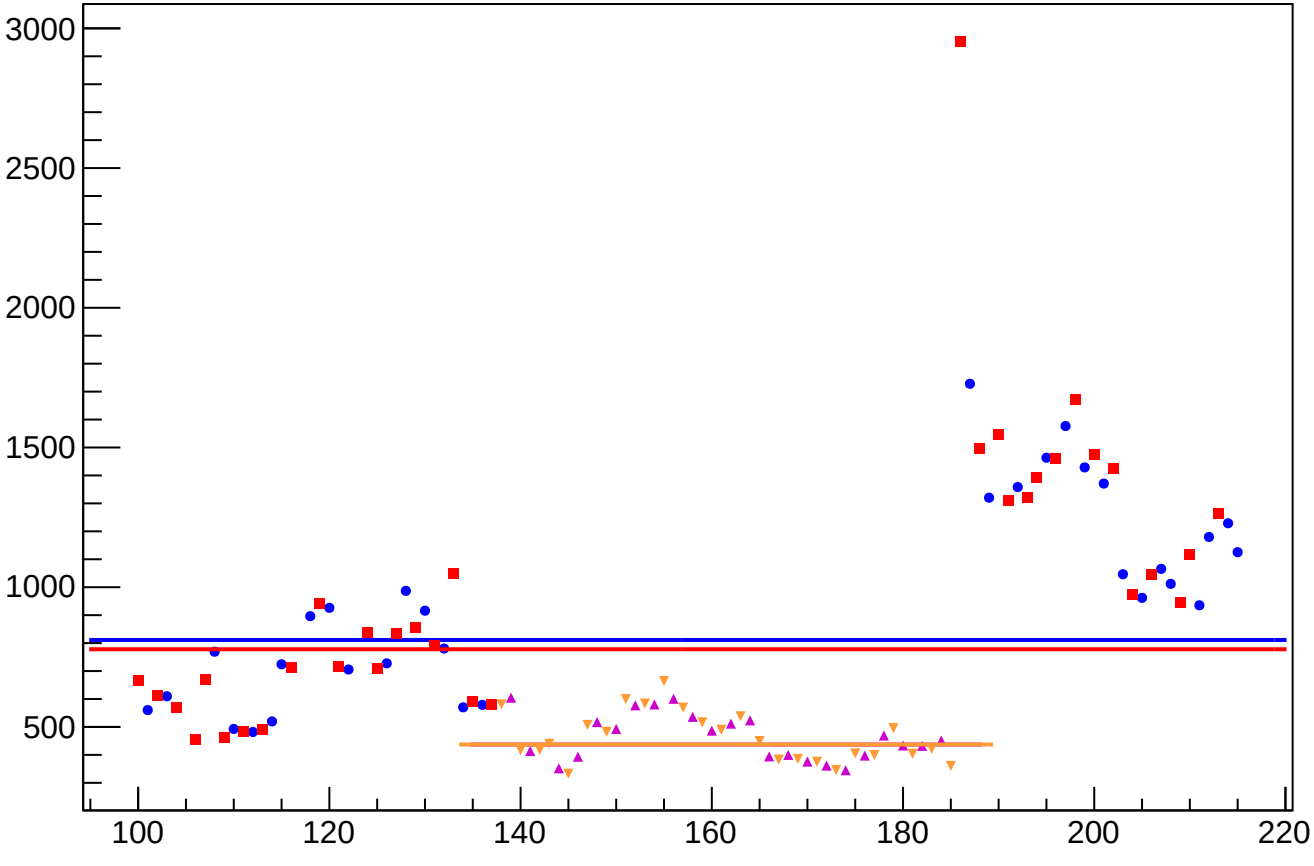
Right: 118.707+/-138.772 χ^2/NDF: 100.7/64

In: -73.966+/-91.927 χ^2/NDF:74.3/53

Out: -258.968+/-89.862 χ^2/NDF:135.6/58

All: -168.569+/-64.260 χ^2/NDF: 212.0/112

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 811.223+/-0.140 χ^2/NDF: 4514346.5/30

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 778.008+/-0.138 χ^2/NDF: 5999336.9/33

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

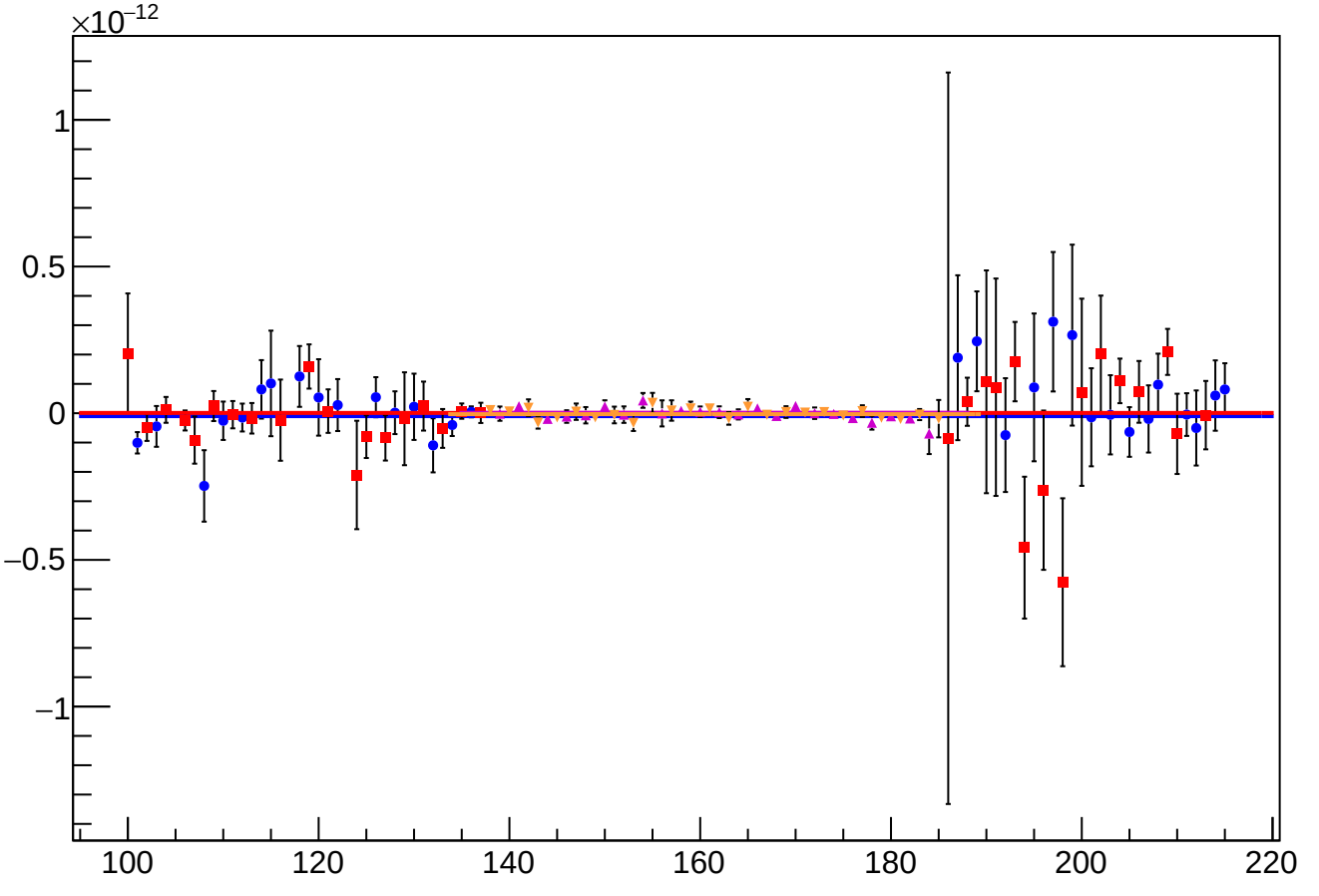
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 794.413+/-0.098 χ^2/NDF: 10542323.5/64

In: 518.058+/-0.065 χ^2/NDF:11222747.3/53

Out: 509.491+/-0.064 χ^2/NDF:12037324.2/58

All: 513.677+/-0.045 χ^2/NDF: 23268951.8/11



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/33

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

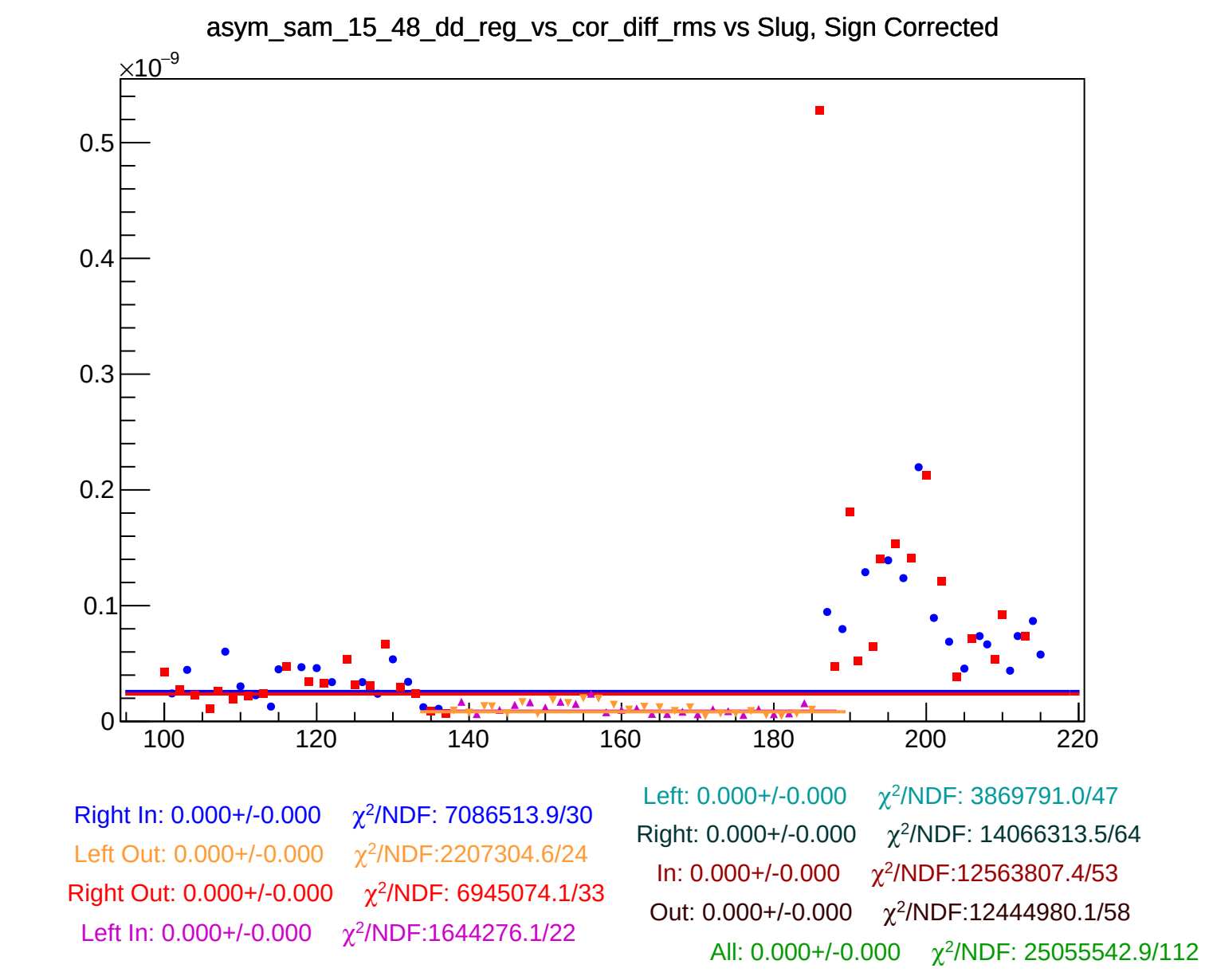
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

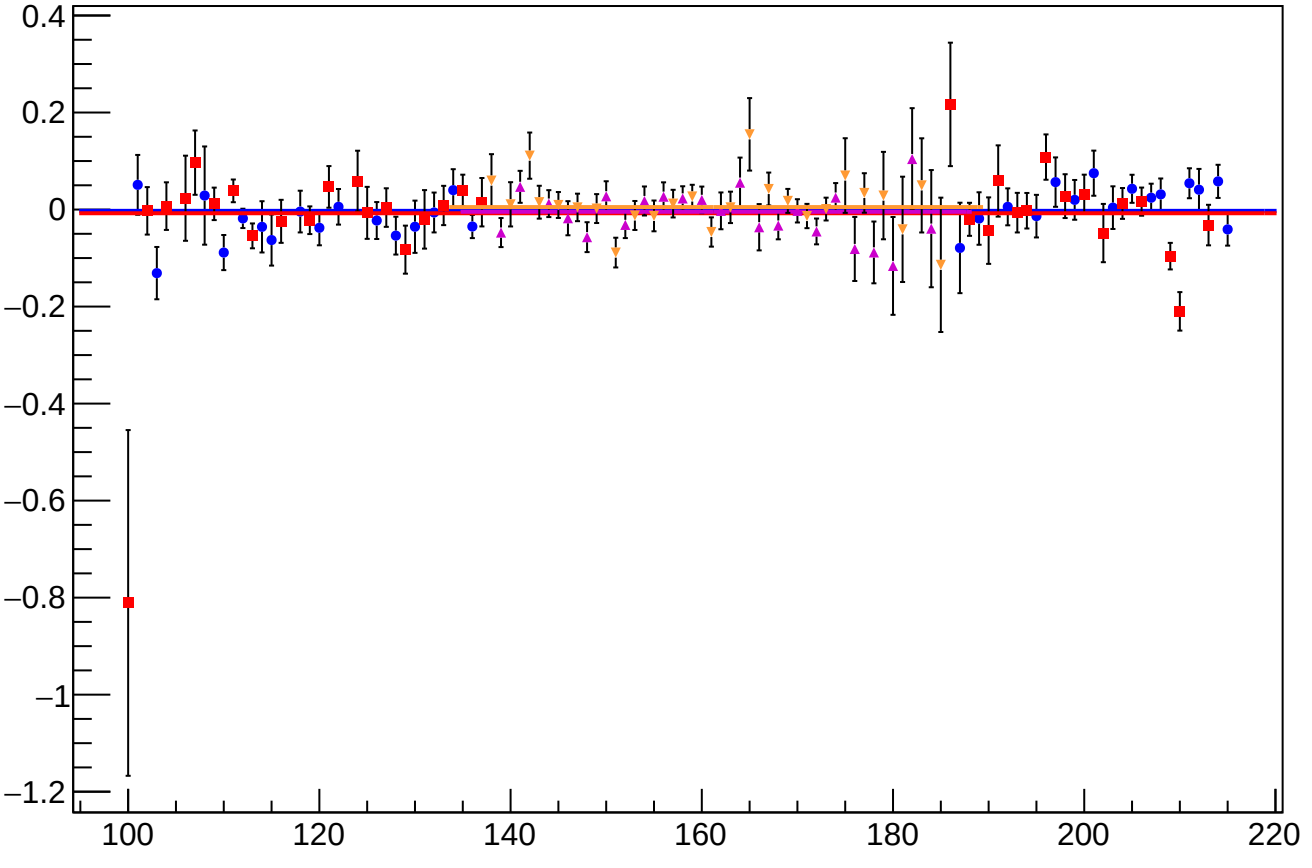
Right: -0.000+/-0.000 χ^2/NDF: 61.2/64

In: 0.000+/-0.000 χ^2/NDF:48.6/53

Out: -0.000+/-0.000 χ^2/NDF:49.5/58

All: -0.000+/-0.000 χ^2/NDF: 98.5/112


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: 7086513.9/30
Left Out: 0.000+/-0.000 χ²/NDF:2207304.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6945074.1/33
Left In: 0.000+/-0.000 χ²/NDF:1644276.1/22
Left: 0.000+/-0.000 χ²/NDF: 3869791.0/47
Right: 0.000+/-0.000 χ²/NDF: 14066313.5/64
In: 0.000+/-0.000 χ²/NDF:12563807.4/53
Out: 0.000+/-0.000 χ²/NDF:12444980.1/58
All: 0.000+/-0.000 χ²/NDF: 25055542.9/112



Right In: -0.003+/-0.007 χ^2/NDF: 39.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.008+/-0.007 χ^2/NDF: 73.6/33

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

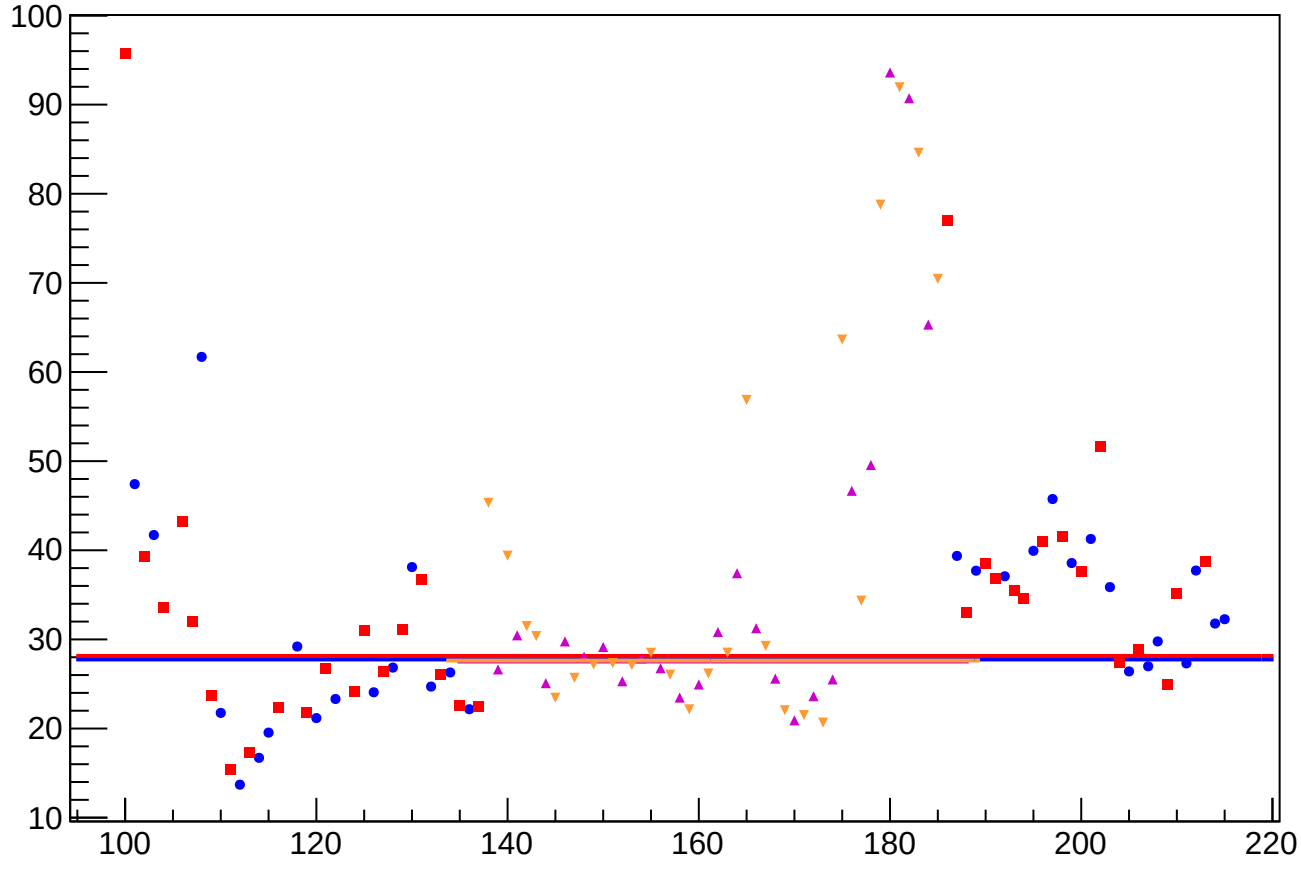
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.005+/-0.005 χ^2/NDF: 113.2/64

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.002+/-0.003 χ^2/NDF: 168.3/112



Right In: 27.753+/-0.005 χ^2/NDF: 3247381.3/30

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 28.142+/-0.005 χ^2/NDF: 3045683.6/33

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

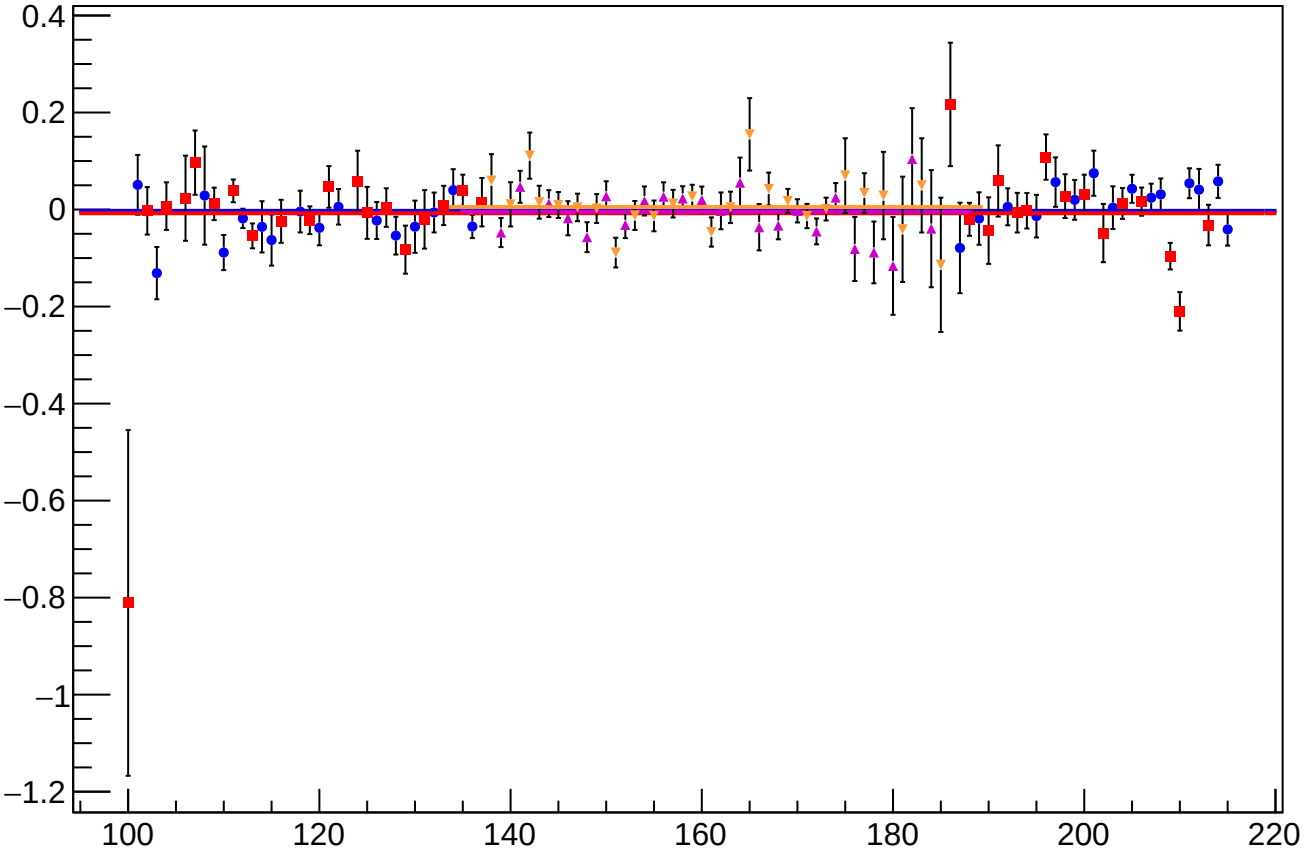
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.944+/-0.003 χ^2/NDF: 6296273.6/64

In: 27.642+/-0.003 χ^2/NDF:5883023.9/53

Out: 27.885+/-0.003 χ^2/NDF:7025182.9/58

All: 27.763+/-0.002 χ^2/NDF: 12910710.4/112



Right In: -0.003+/-0.007 χ^2/NDF: 39.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.008+/-0.007 χ^2/NDF: 73.6/33

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

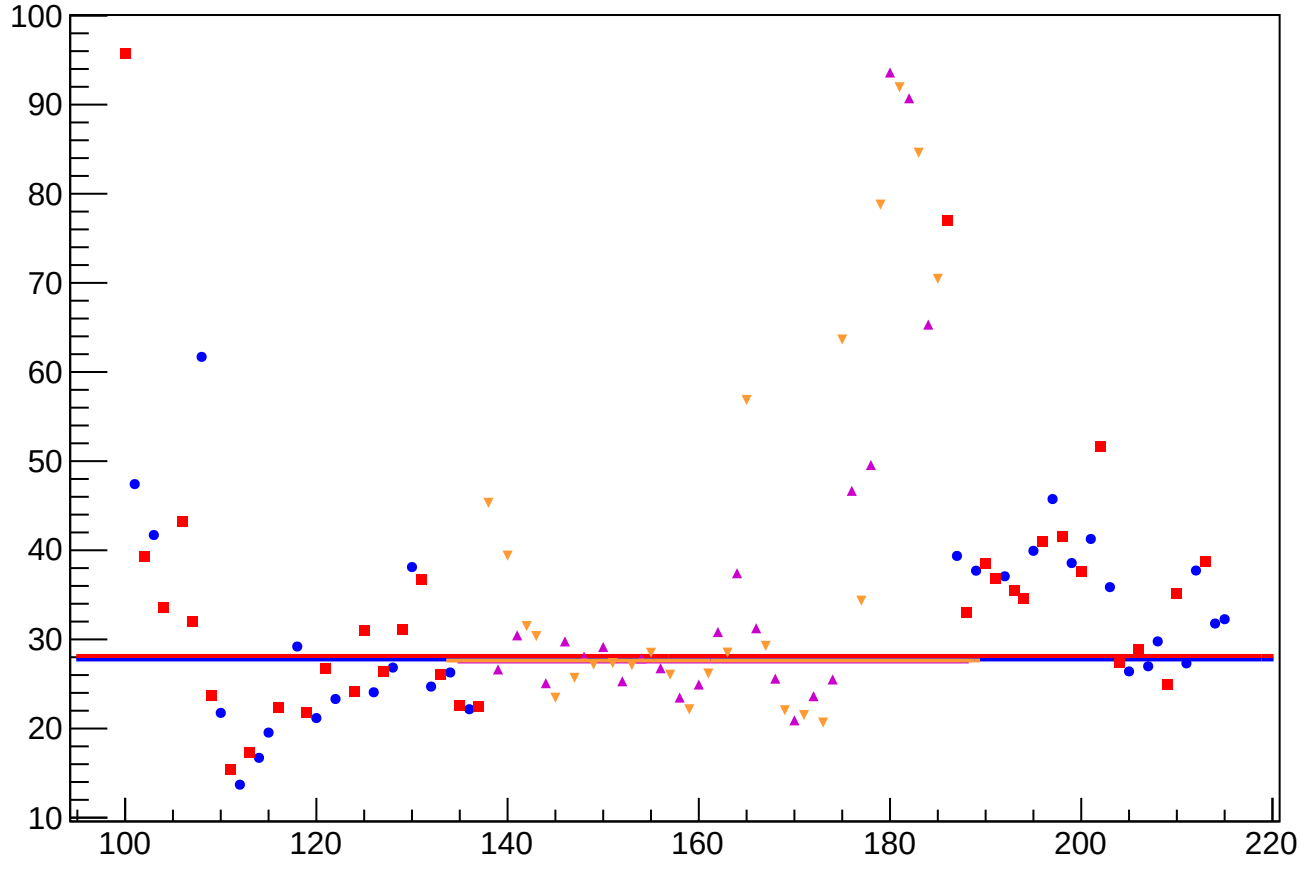
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.005+/-0.005 χ^2/NDF: 113.2/64

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.002+/-0.003 χ^2/NDF: 168.3/112



Right In: 27.753+/-0.005 χ^2/NDF: 3247381.3/30

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 28.142+/-0.005 χ^2/NDF: 3045683.6/33

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

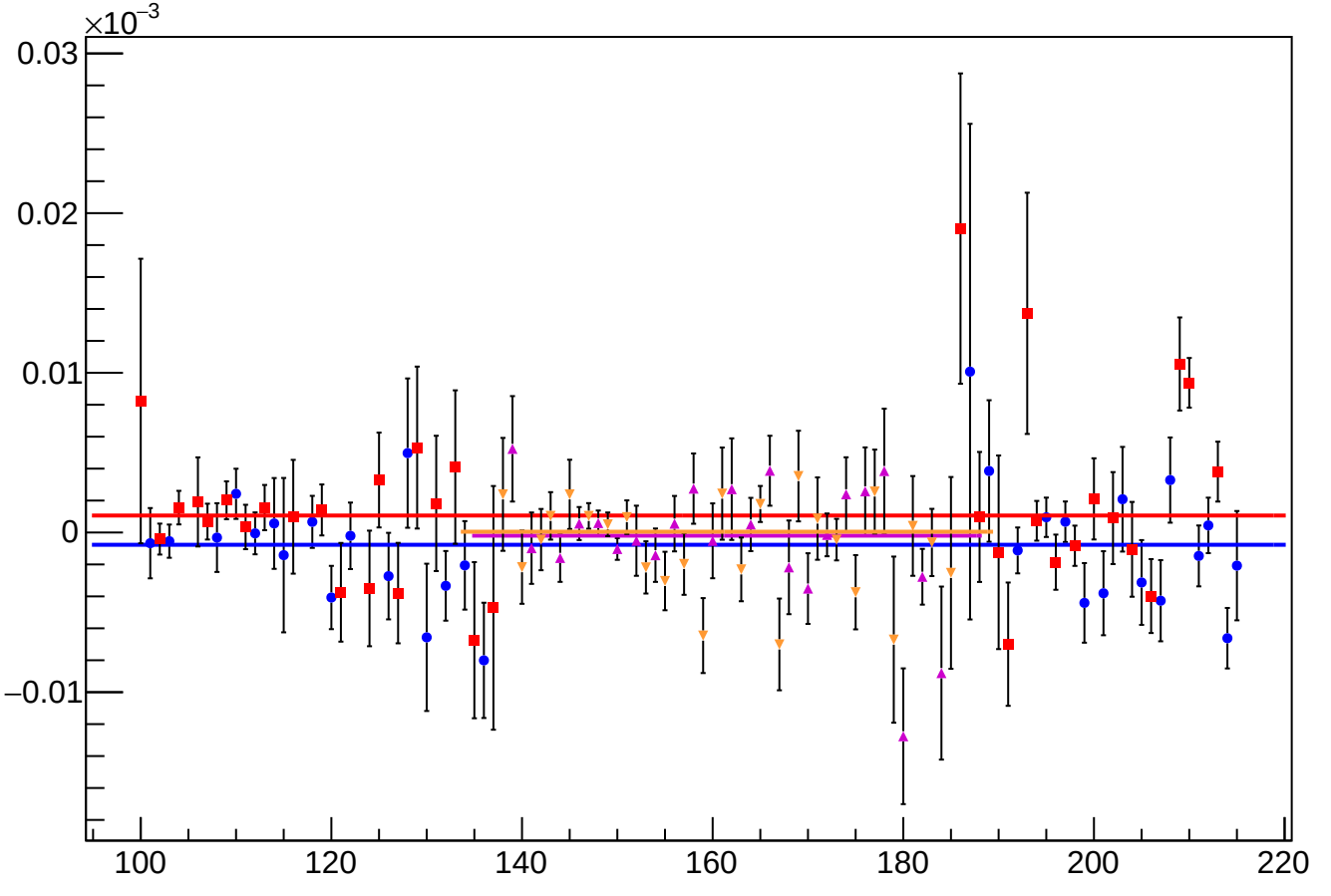
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.944+/-0.003 χ^2/NDF: 6296273.6/64

In: 27.642+/-0.003 χ^2/NDF:5883023.9/53

Out: 27.885+/-0.003 χ^2/NDF:7025182.9/58

All: 27.763+/-0.002 χ^2/NDF: 12910710.4/112



Right In: -0.000+/-0.000 χ^2/NDF: 42.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 78.4/33

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

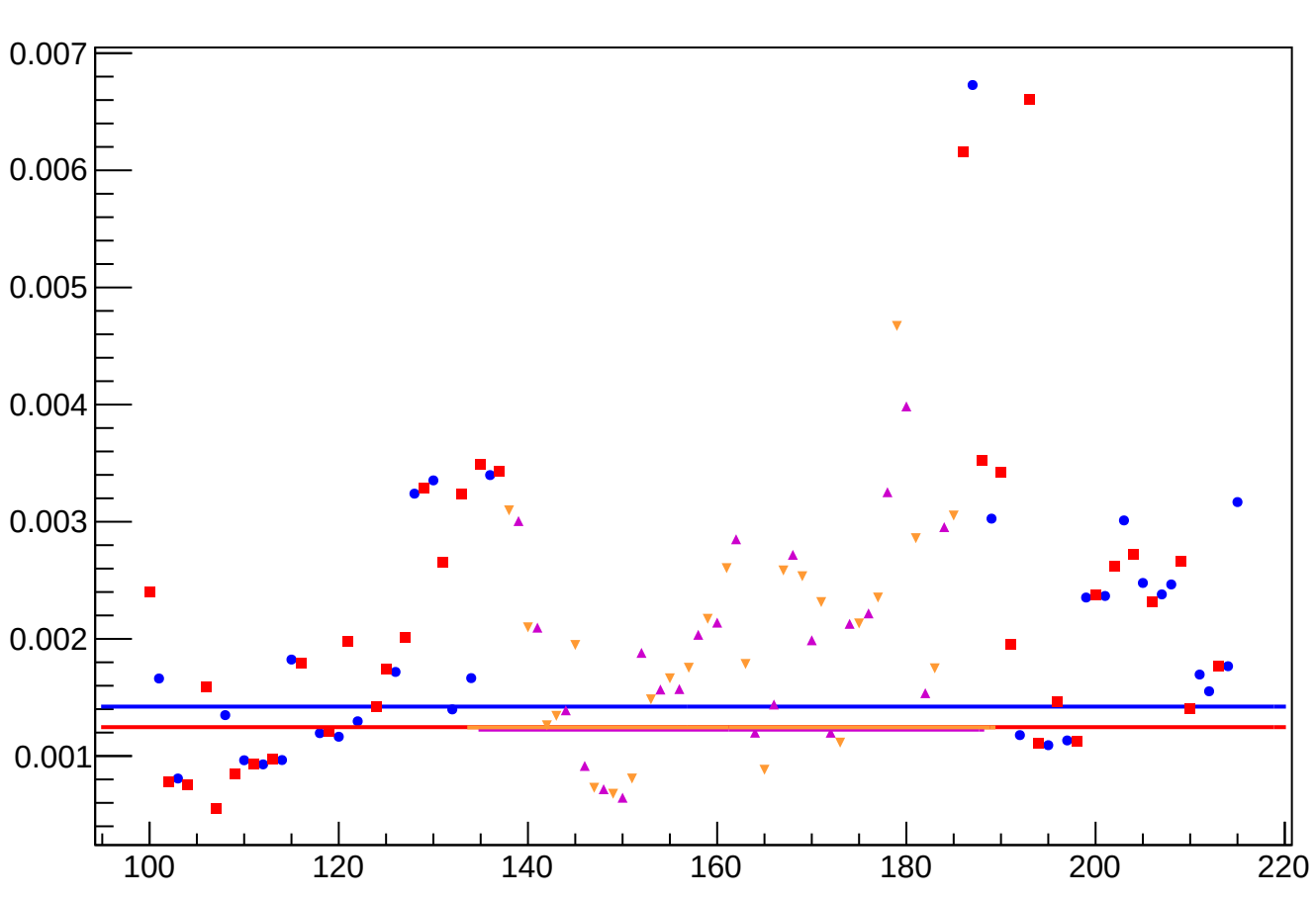
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

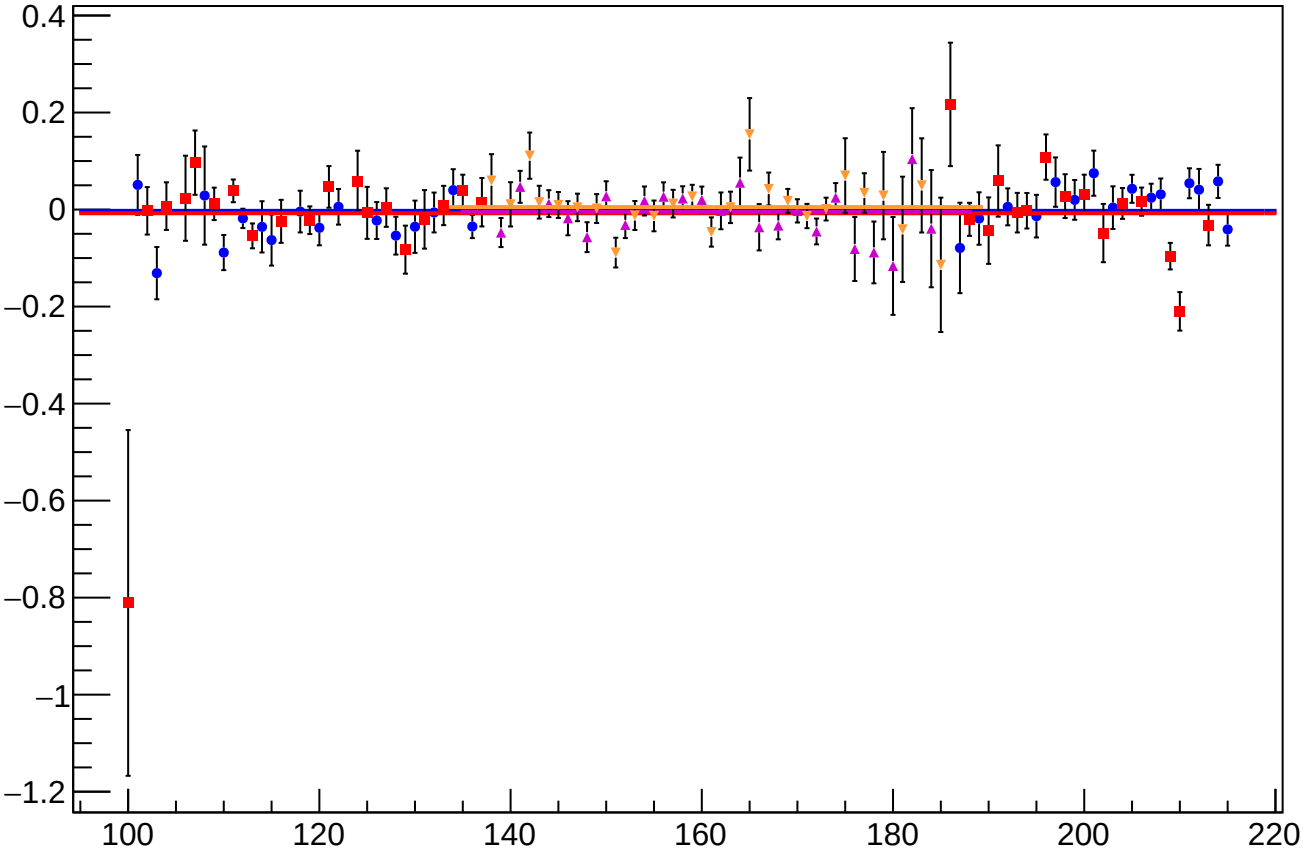
Right: 0.000+/-0.000 χ^2/NDF: 134.2/64

In: -0.000+/-0.000 χ^2/NDF:76.6/53

Out: 0.000+/-0.000 χ^2/NDF:120.1/58

All: 0.000+/-0.000 χ^2/NDF: 205.5/112


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 5965874.2/30
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 8923219.4/33
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
Left: 0.001+/-0.000 χ²/NDF: 16167353.6/47
Right: 0.001+/-0.000 χ²/NDF: 15141691.8/64
In: 0.001+/-0.000 χ²/NDF:14109334.5/53
Out: 0.001+/-0.000 χ²/NDF:17264309.3/58
All: 0.001+/-0.000 χ²/NDF: 31458193.7/112



Right In: -0.003+/-0.007 χ^2/NDF: 39.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.008+/-0.007 χ^2/NDF: 73.6/33

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

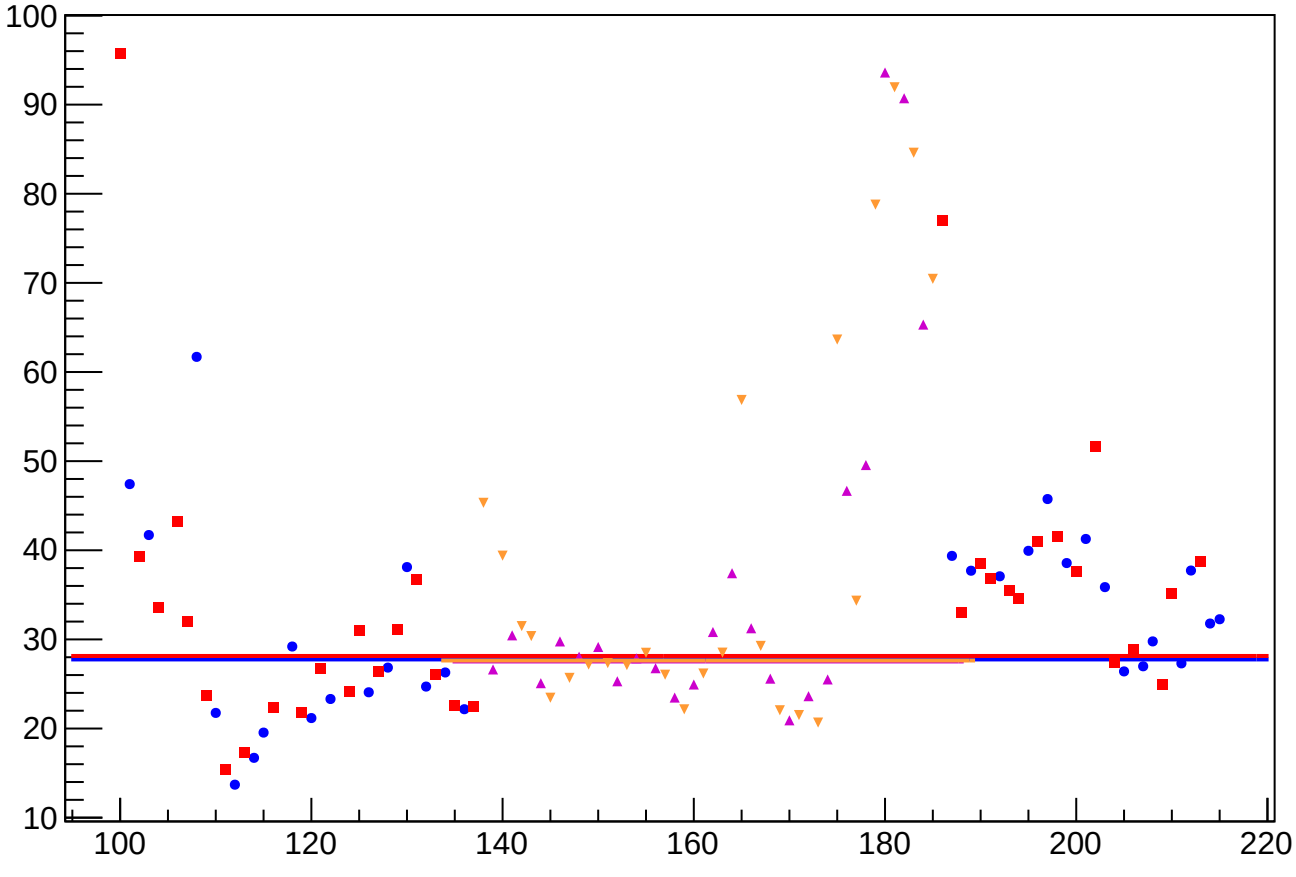
Right: -0.005+/-0.005 χ^2/NDF: 113.2/64

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.002+/-0.003 χ^2/NDF: 168.3/112

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.753+/-0.005 χ^2/NDF: 3247358.5/30

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 28.142+/-0.005 χ^2/NDF: 3045779.0/33

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

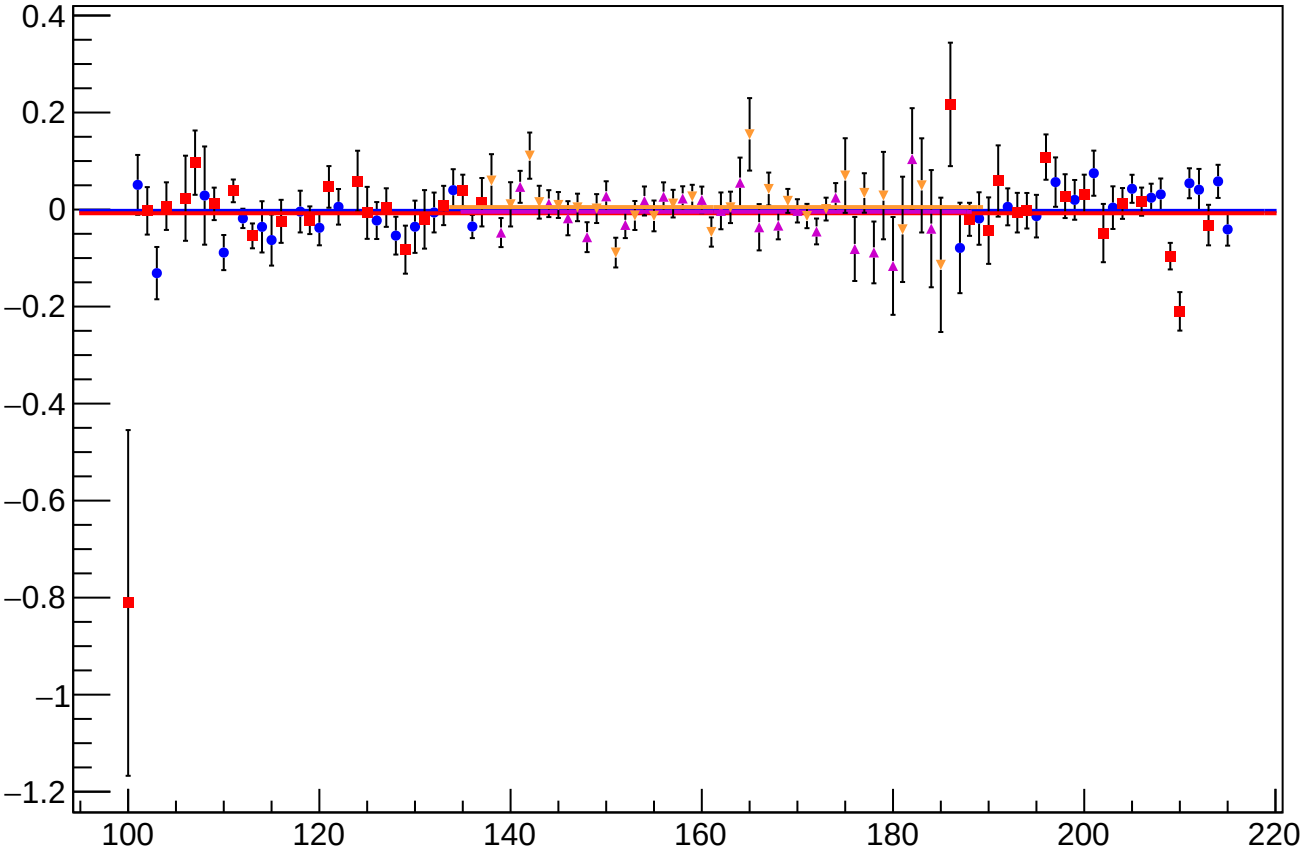
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.944+/-0.003 χ^2/NDF: 6296346.5/64

In: 27.642+/-0.003 χ^2/NDF:5882966.2/53

Out: 27.885+/-0.003 χ^2/NDF:7025210.0/58

All: 27.763+/-0.002 χ^2/NDF: 12910681.5/112



Right In: -0.003+/-0.007 χ^2/NDF: 39.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.008+/-0.007 χ^2/NDF: 73.6/33

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

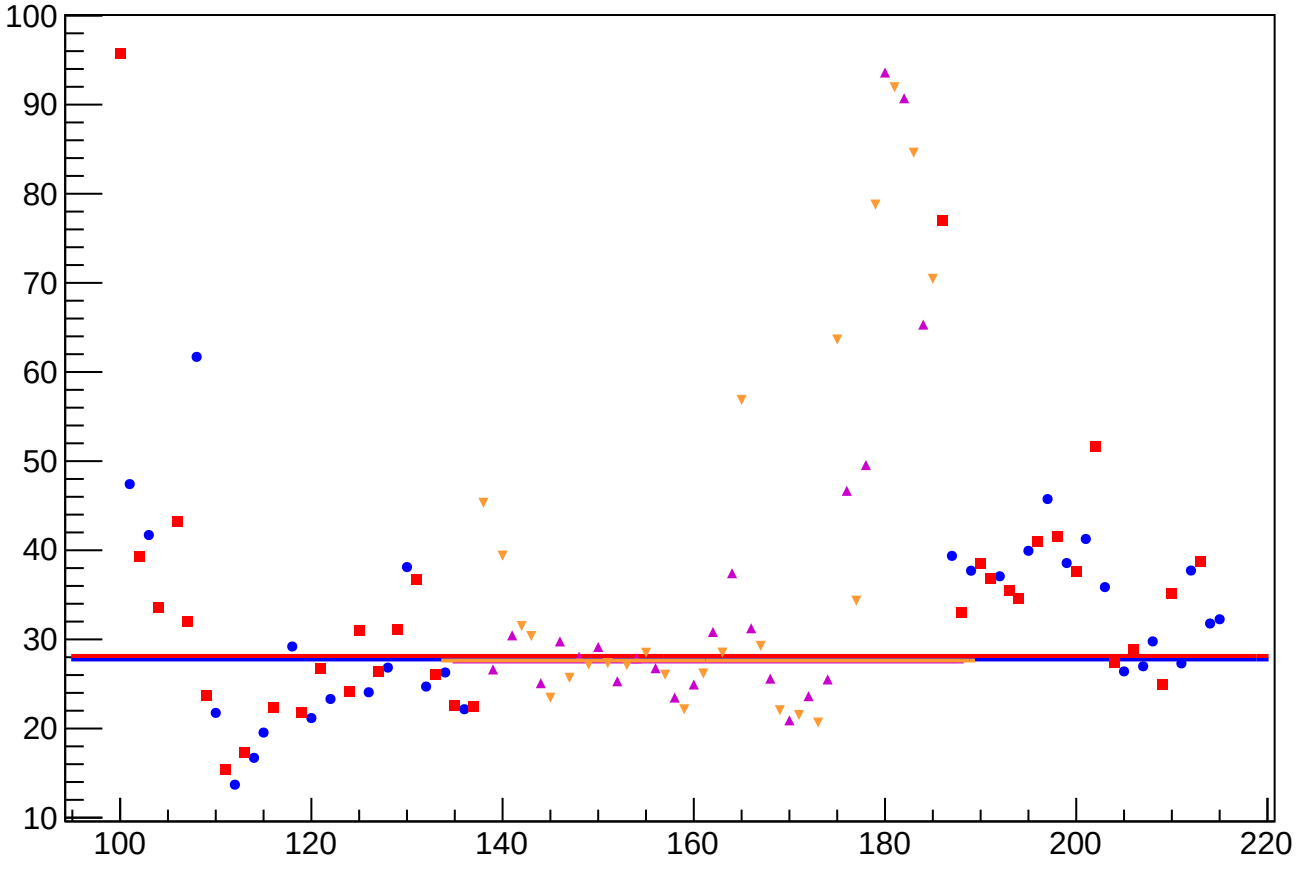
Right: -0.005+/-0.005 χ^2/NDF: 113.2/64

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.001+/-0.005 χ^2/NDF:103.7/58

All: -0.002+/-0.003 χ^2/NDF: 168.3/112

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.753+/-0.005 χ^2/NDF: 3247358.5/30

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 28.142+/-0.005 χ^2/NDF: 3045779.0/33

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

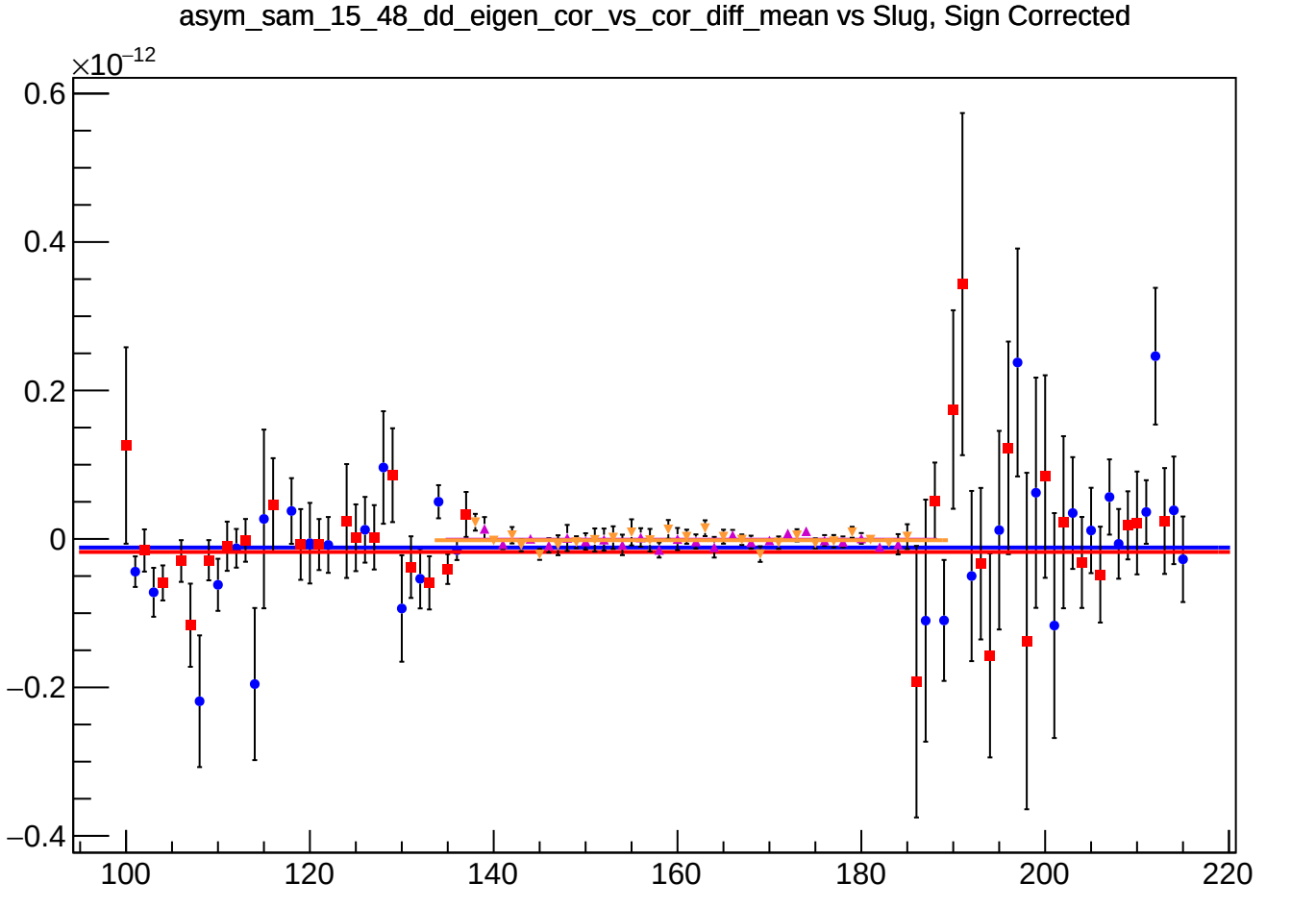
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.944+/-0.003 χ^2/NDF: 6296346.5/64

In: 27.642+/-0.003 χ^2/NDF:5882966.2/53

Out: 27.885+/-0.003 χ^2/NDF:7025210.0/58

All: 27.763+/-0.002 χ^2/NDF: 12910681.5/112



Right In: -0.000+/-0.000 χ^2/NDF: 47.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/33

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

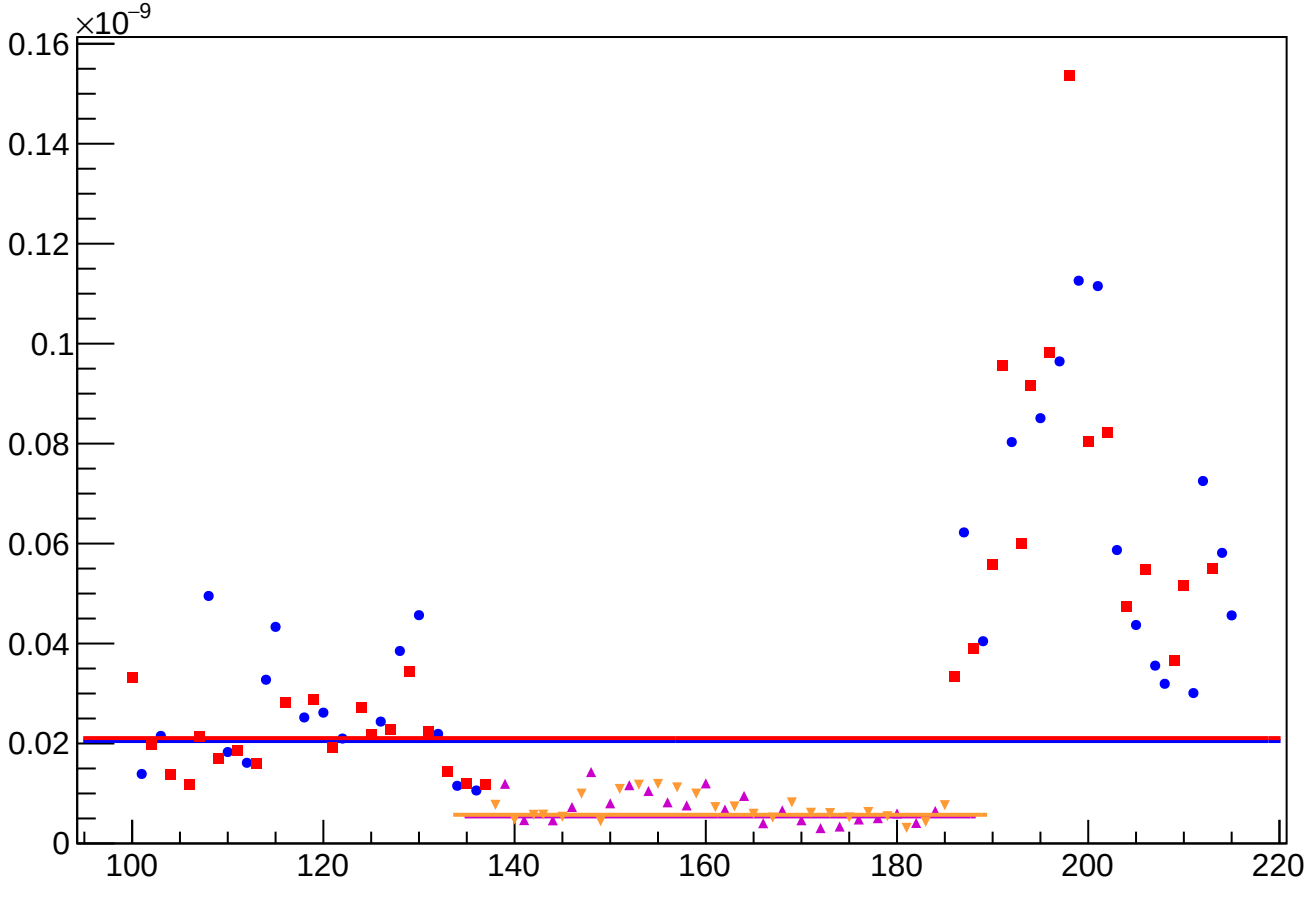
Right: -0.000+/-0.000 χ^2/NDF: 78.0/64

In: -0.000+/-0.000 χ^2/NDF:66.3/53

Out: -0.000+/-0.000 χ^2/NDF:58.8/58

All: -0.000+/-0.000 χ^2/NDF: 125.2/112

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8413468.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6997877.8/33

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

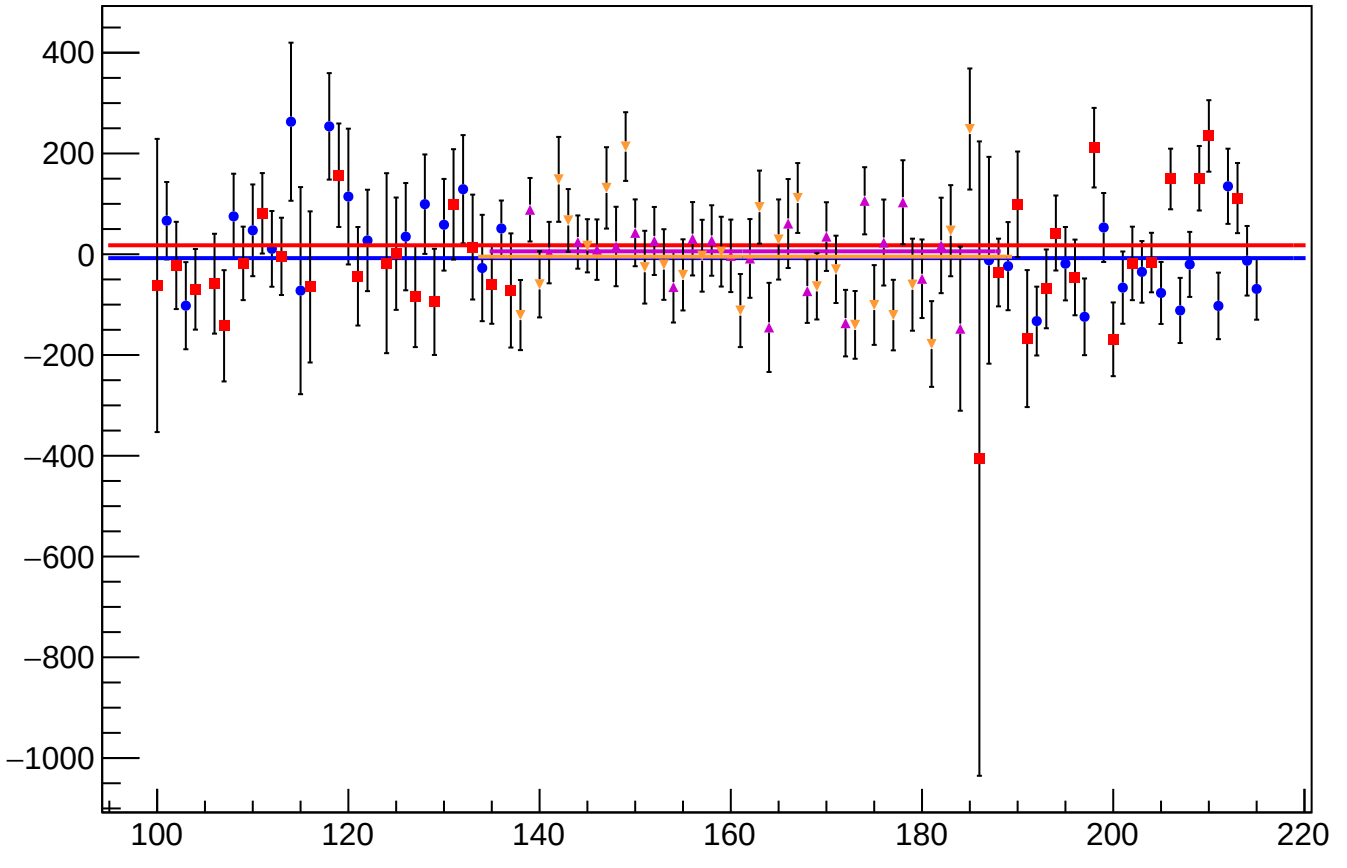
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15417870.9/64

In: 0.000+/-0.000 χ^2/NDF:20285946.0/53

Out: 0.000+/-0.000 χ^2/NDF:17797943.2/58

All: 0.000+/-0.000 χ^2/NDF: 38115760.0/112



Right In: -7.729+/-14.290 χ^2/NDF: 36.3/30

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.769+/-14.744 χ^2/NDF: 51.0/33

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

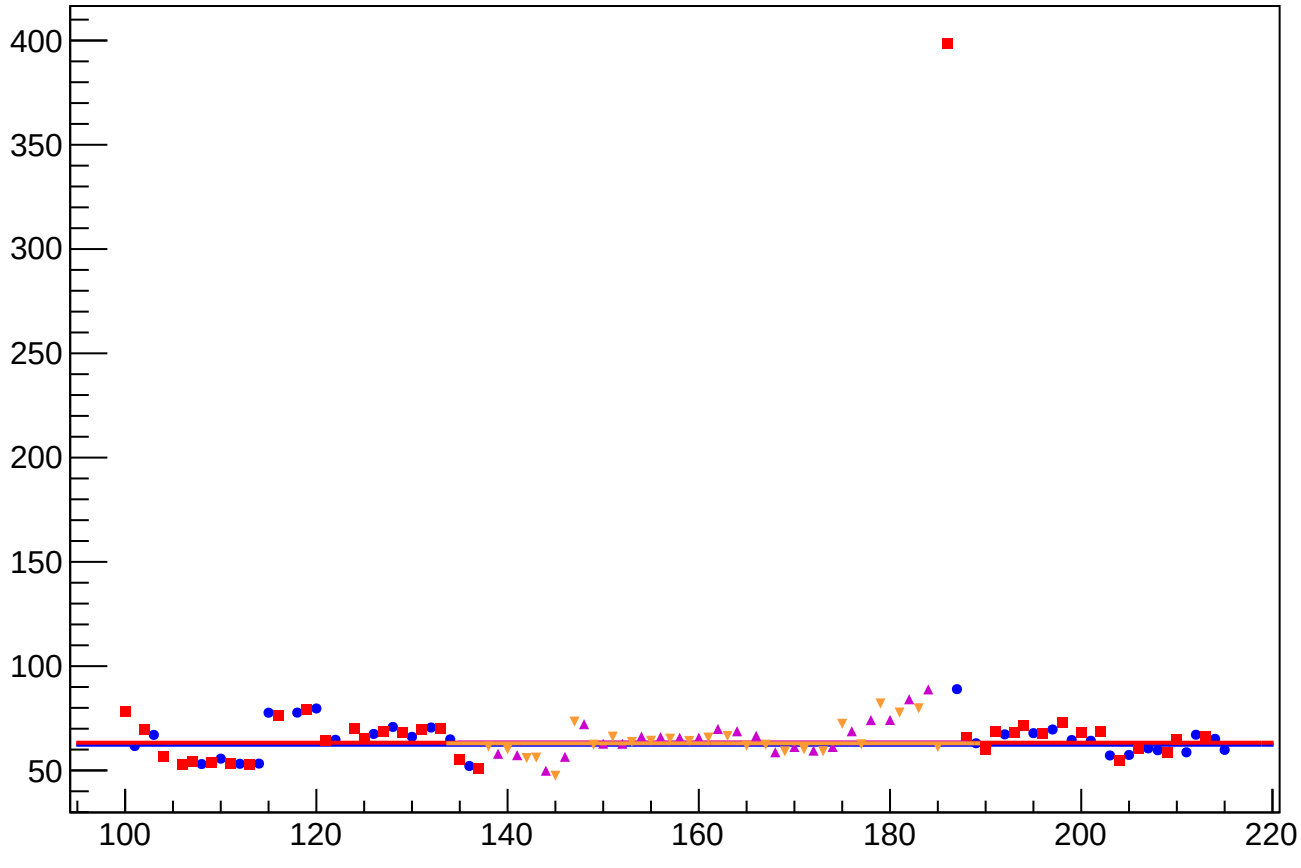
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 4.622+/-10.261 χ^2/NDF: 88.9/64

In: -1.272+/-10.324 χ^2/NDF:55.0/53

Out: 6.272+/-10.313 χ^2/NDF:99.6/58

All: 2.504+/-7.296 χ^2/NDF: 154.9/112



Right In: 62.315+/-0.010 χ^2/NDF: 399238.7/30

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.294+/-0.010 χ^2/NDF: 1029282.0/33

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

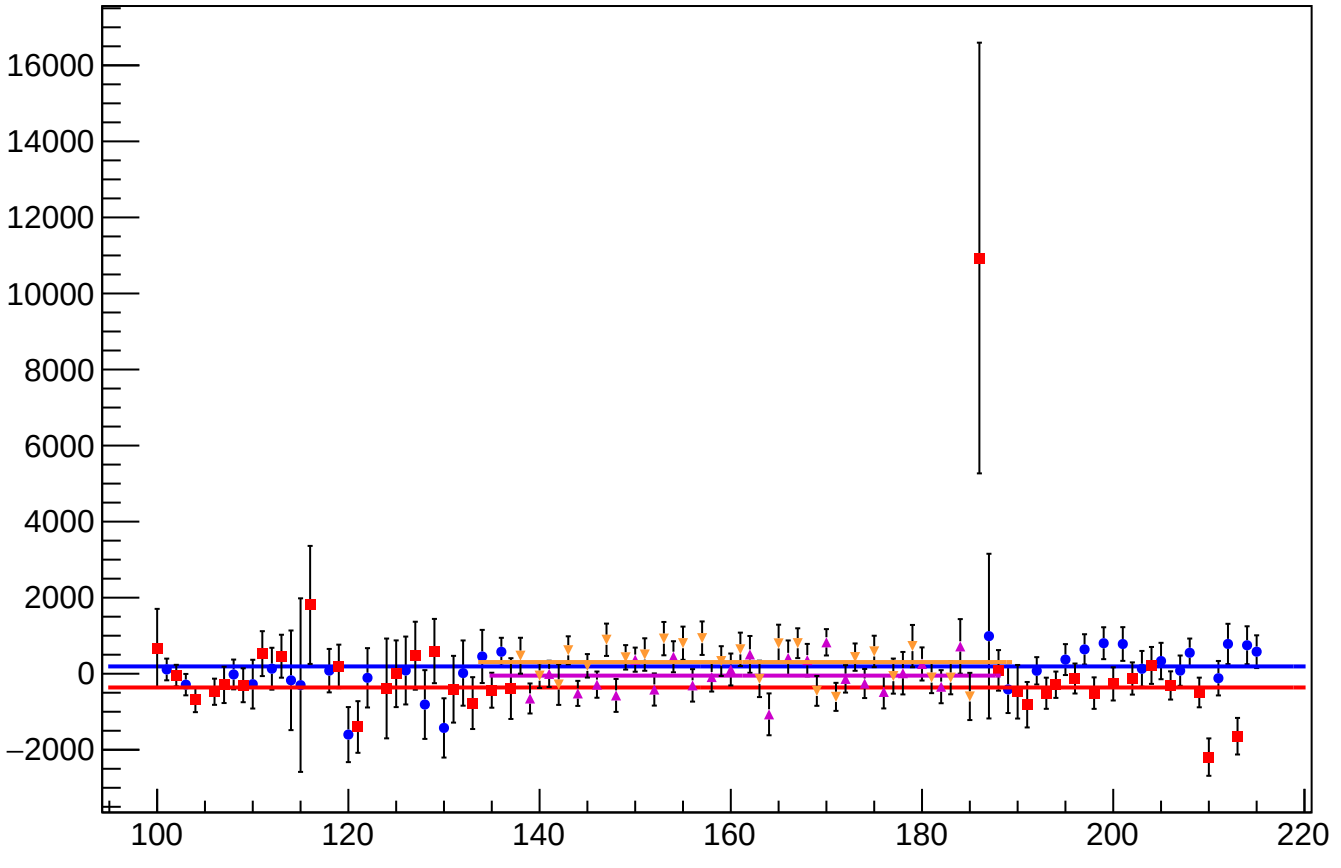
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.789+/-0.007 χ^2/NDF: 1433067.1/64

In: 62.817+/-0.007 χ^2/NDF:901332.8/53

Out: 63.132+/-0.007 χ^2/NDF:1556615.7/58

All: 62.974+/-0.005 χ^2/NDF: 2458877.5/112



Right In: 191.813+/-86.617 χ^2/NDF: 28.5/30

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -361.855+/-84.944 χ^2/NDF: 44.5/33

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

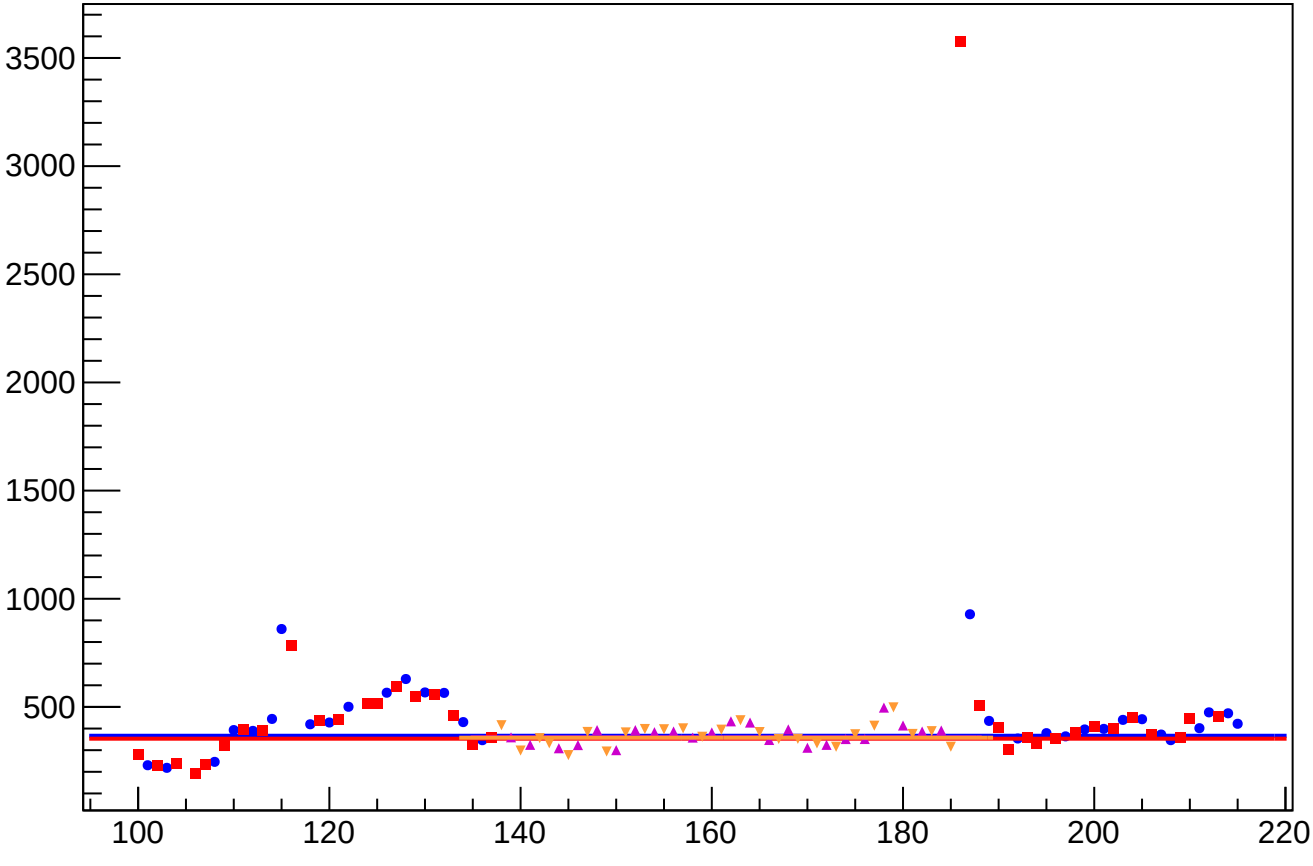
Right: -90.420+/-60.647 χ^2/NDF: 93.8/64

In: 68.383+/-60.609 χ^2/NDF:59.7/53

Out: -17.011+/-59.130 χ^2/NDF:107.1/58

All: 24.631+/-42.324 χ^2/NDF: 167.8/112

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 366.693+/-0.061 χ^2/NDF: 2434222.1/30

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 353.097+/-0.060 χ^2/NDF: 3163579.5/33

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

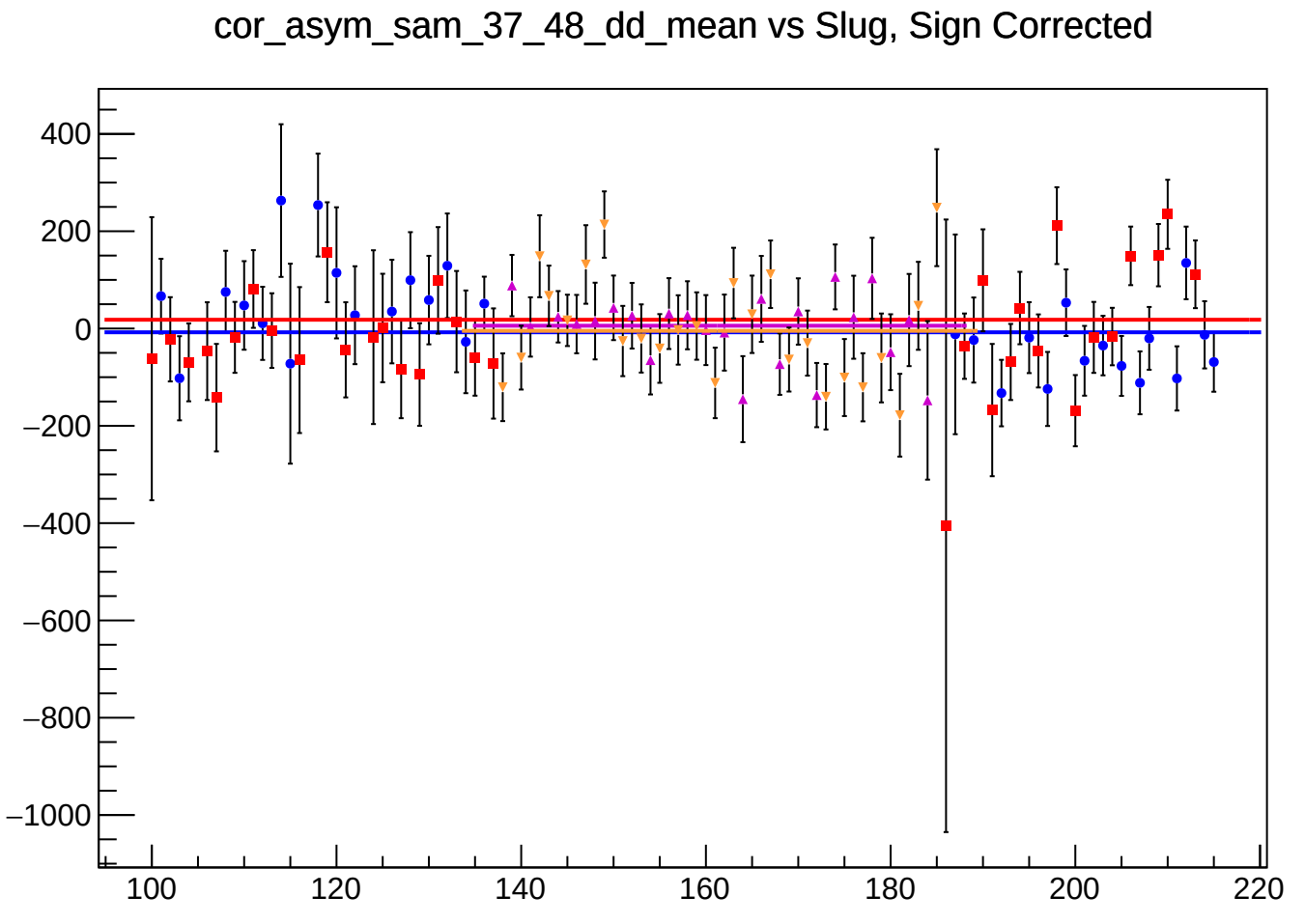
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 359.763+/-0.043 χ^2/NDF: 5622922.9/64

In: 362.946+/-0.043 χ^2/NDF:2961319.0/53

Out: 355.486+/-0.042 χ^2/NDF:3850378.6/58

All: 359.123+/-0.030 χ^2/NDF: 6827221.0/112



Right In: -7.733+/-14.290 χ^2/NDF: 36.3/30

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 18.074+/-14.749 χ^2/NDF: 50.8/33

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

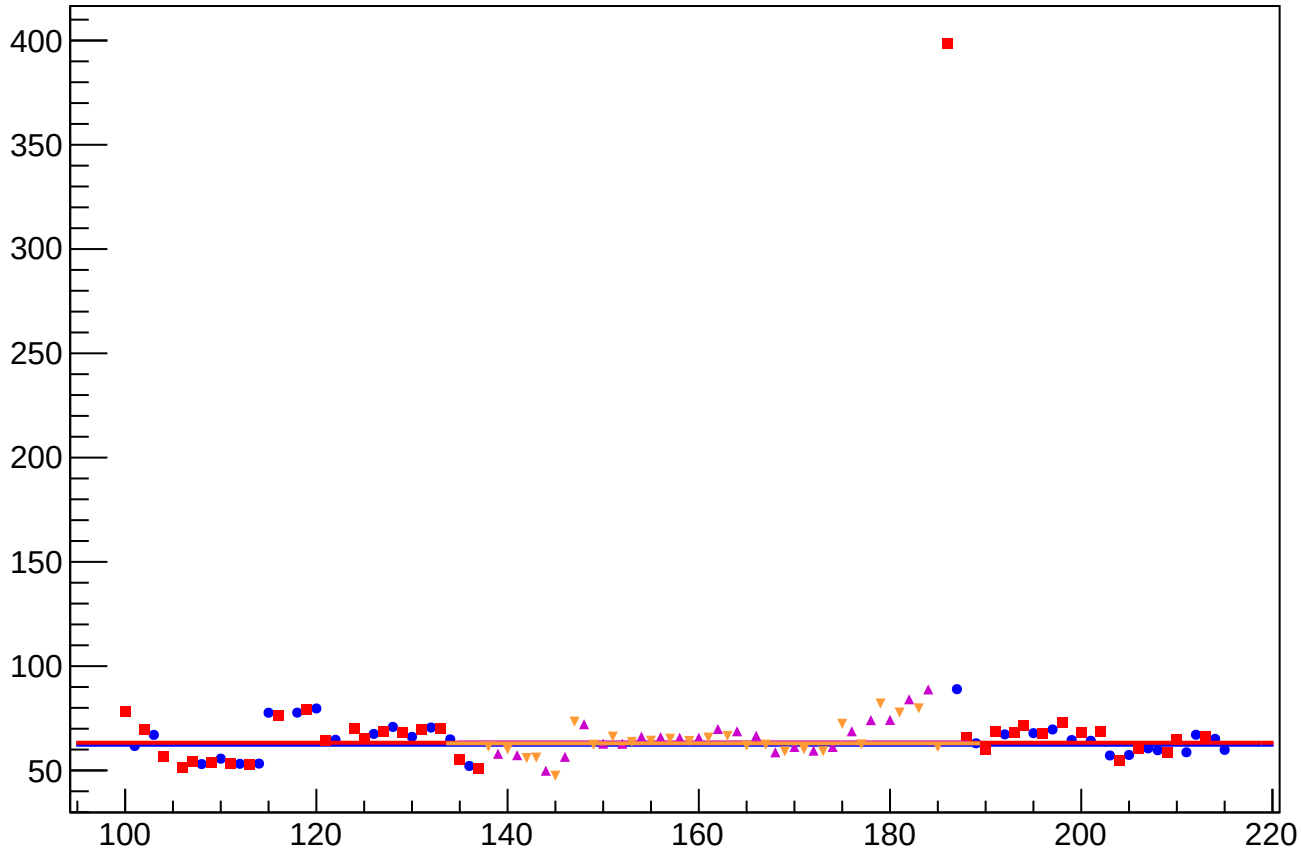
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 4.763+/-10.263 χ^2/NDF: 88.7/64

In: -1.275+/-10.324 χ^2/NDF:55.0/53

Out: 6.415+/-10.315 χ^2/NDF:99.4/58

All: 2.574+/-7.297 χ^2/NDF: 154.7/112



Right In: 62.315+/-0.010 χ^2/NDF: 399238.9/30

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.278+/-0.010 χ^2/NDF: 1033396.3/33

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

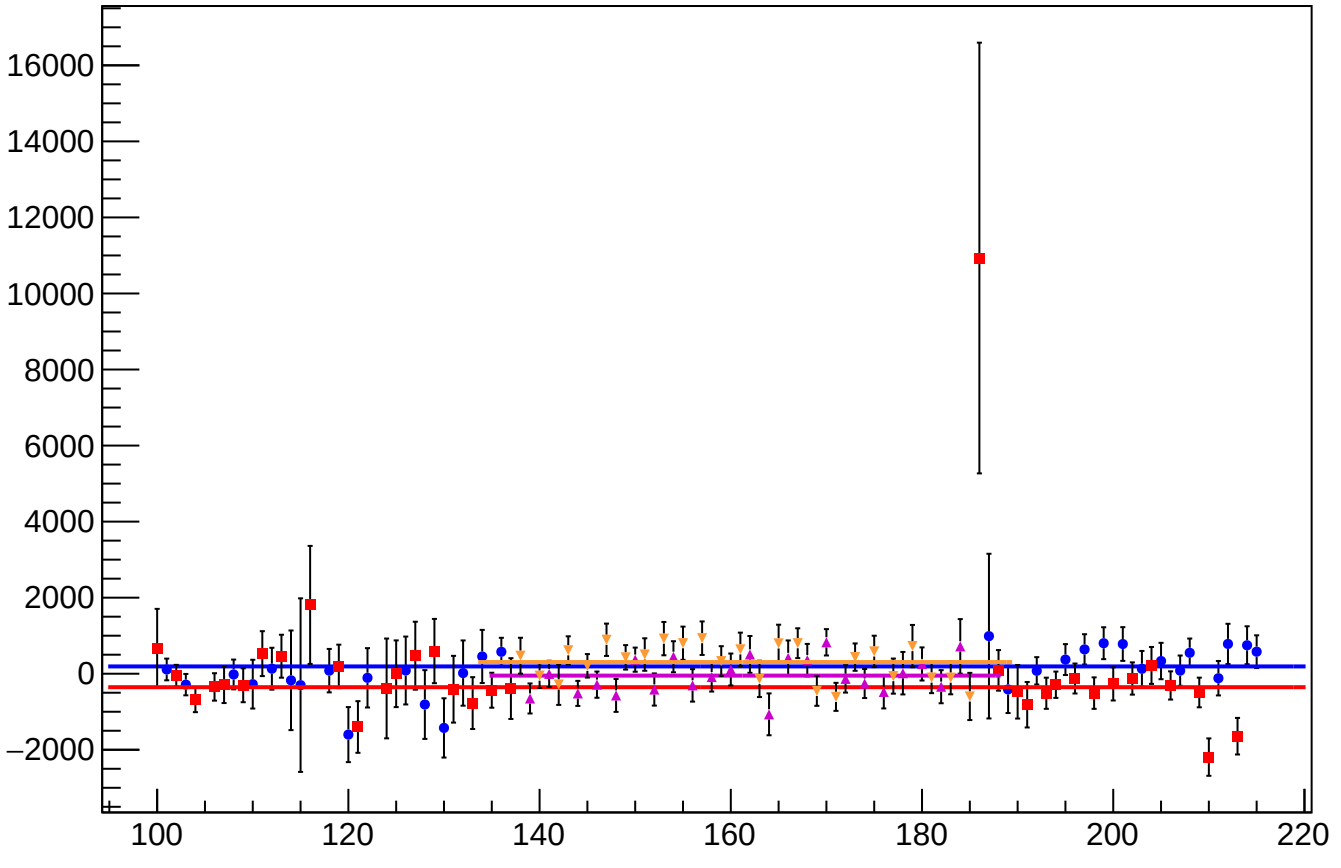
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.781+/-0.007 χ^2/NDF: 1437033.2/64

In: 62.817+/-0.007 χ^2/NDF:901333.0/53

Out: 63.124+/-0.007 χ^2/NDF:1560683.5/58

All: 62.971+/-0.005 χ^2/NDF: 2462899.6/112



Right In: 191.818+/-86.617 χ^2/NDF: 28.5/30

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -354.331+/-85.174 χ^2/NDF: 44.3/33

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

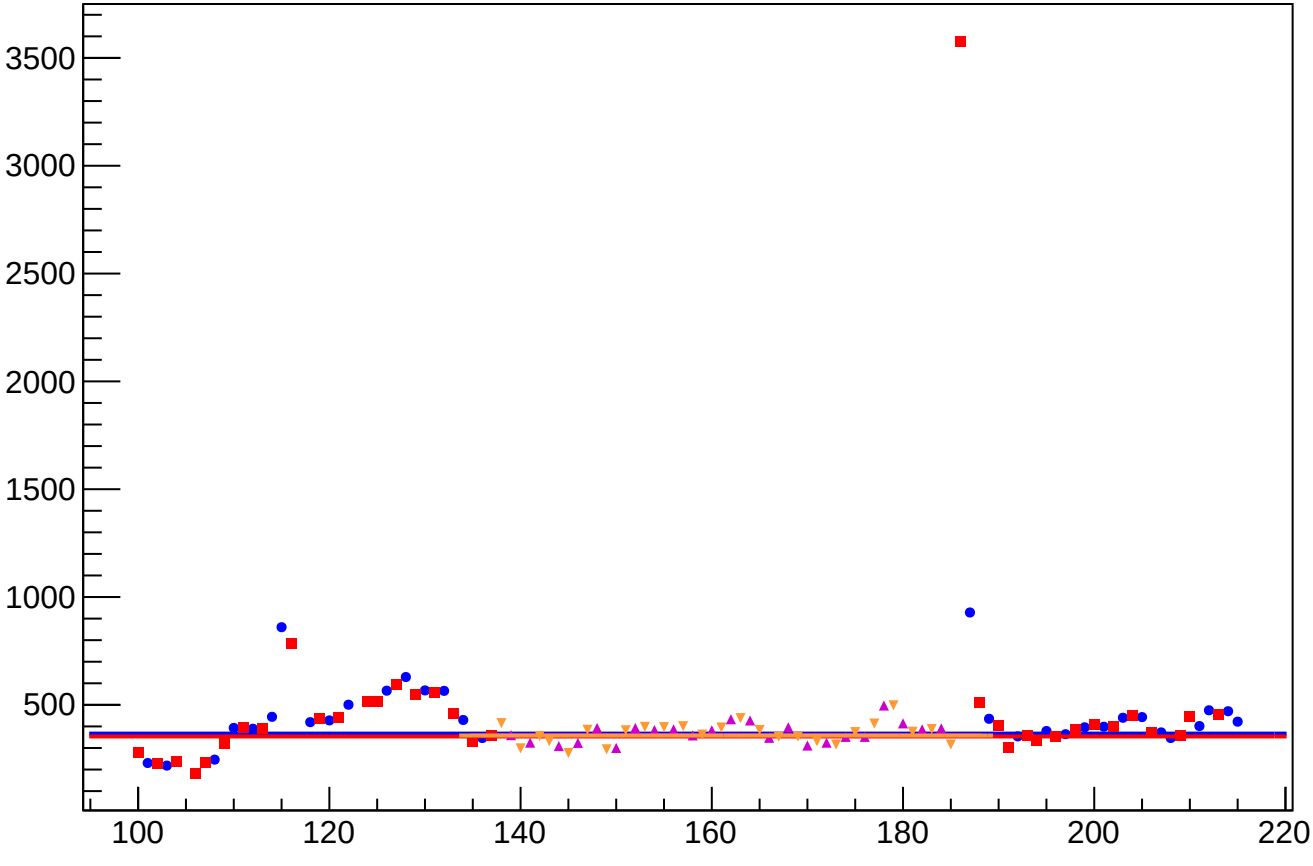
Right: -85.842+/-60.731 χ^2/NDF: 93.0/64

In: 68.386+/-60.609 χ^2/NDF:59.7/53

Out: -12.472+/-59.208 χ^2/NDF:106.1/58

All: 27.011+/-42.353 χ^2/NDF: 166.8/112

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 366.695+/-0.061 χ^2/NDF: 2434131.1/30

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 353.401+/-0.060 χ^2/NDF: 3177702.1/33

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

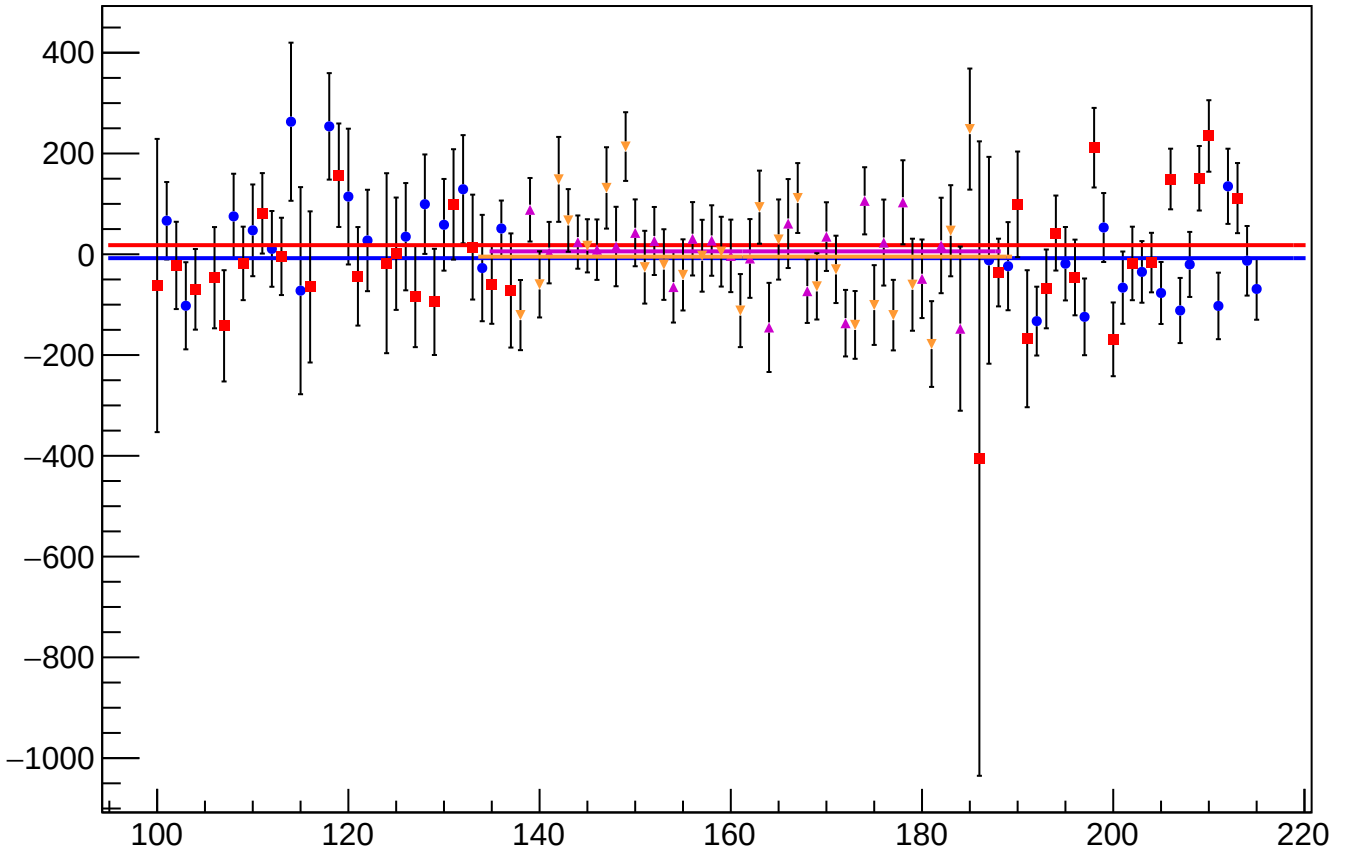
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 359.937+/-0.043 χ^2/NDF: 5635783.6/64

In: 362.946+/-0.043 χ^2/NDF:2961233.7/53

Out: 355.639+/-0.042 χ^2/NDF:3864100.0/58

All: 359.207+/-0.030 χ^2/NDF: 6840208.9/112



Right In: -7.733+/-14.290 χ^2/NDF: 36.3/30

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 18.074+/-14.749 χ^2/NDF: 50.8/33

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

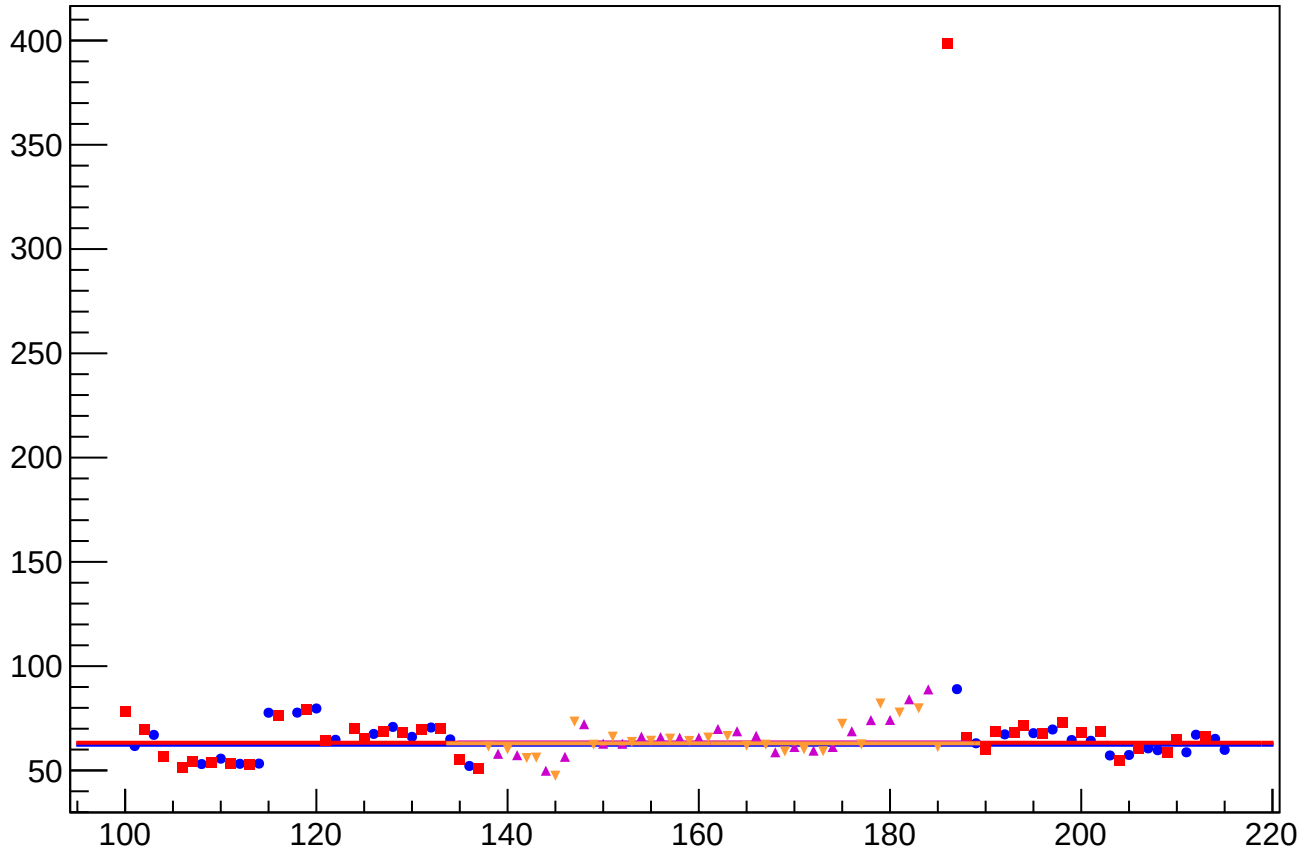
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 4.763+/-10.263 χ^2/NDF: 88.7/64

In: -1.275+/-10.324 χ^2/NDF:55.0/53

Out: 6.415+/-10.315 χ^2/NDF:99.4/58

All: 2.574+/-7.297 χ^2/NDF: 154.7/112



Right In: 62.315+/-0.010 χ^2/NDF: 399238.9/30

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.278+/-0.010 χ^2/NDF: 1033396.3/33

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

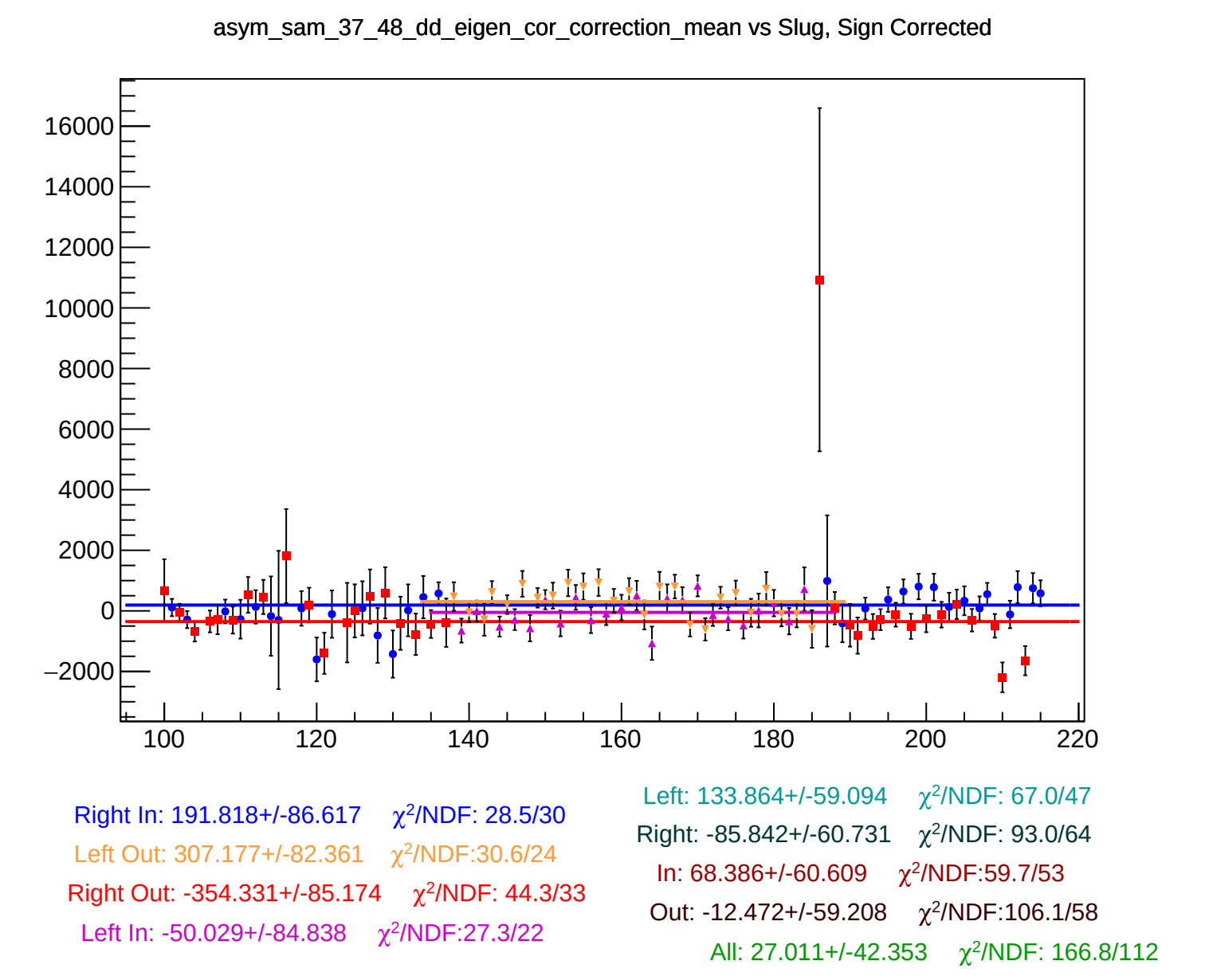
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.781+/-0.007 χ^2/NDF: 1437033.2/64

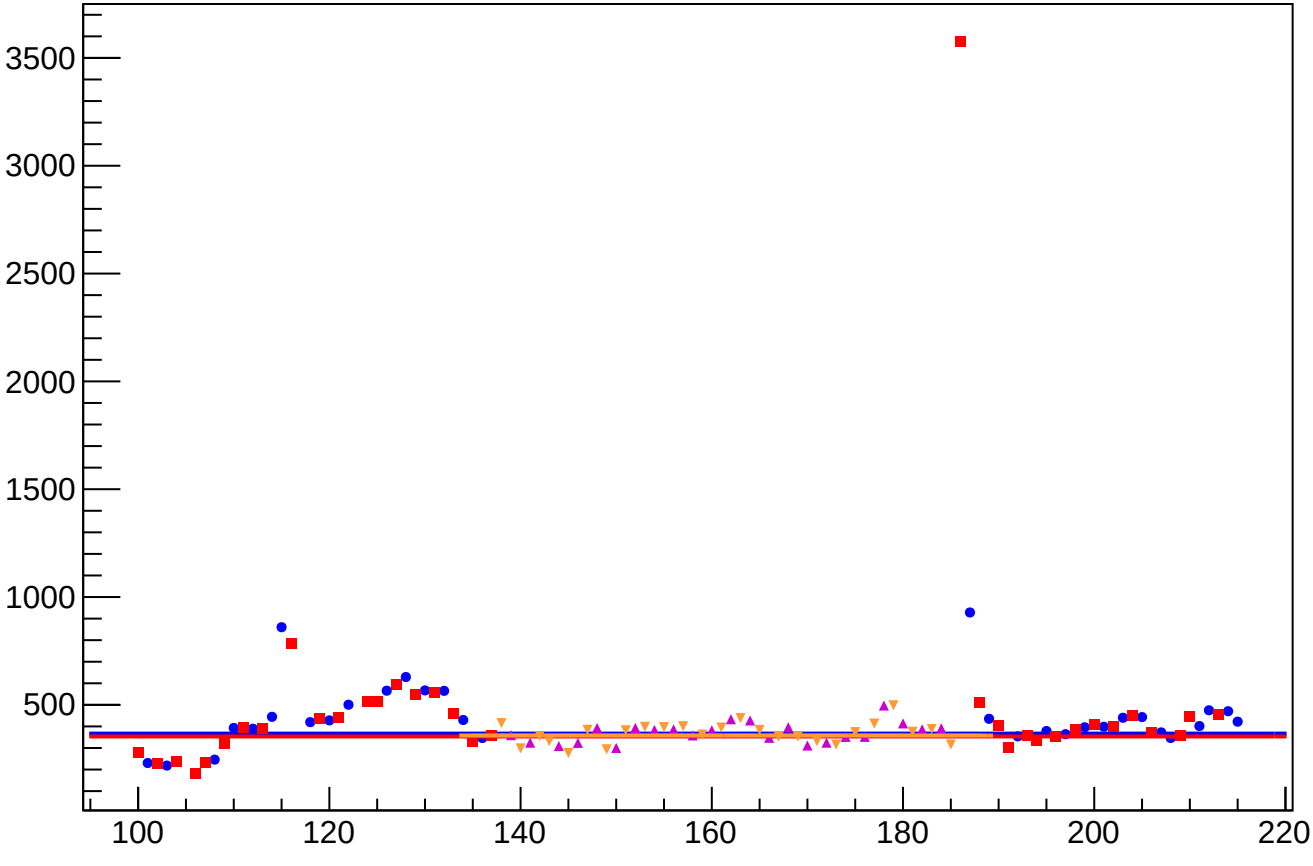
In: 62.817+/-0.007 χ^2/NDF:901333.0/53

Out: 63.124+/-0.007 χ^2/NDF:1560683.5/58

All: 62.971+/-0.005 χ^2/NDF: 2462899.6/112


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 191.818+/-86.617 χ²/NDF: 28.5/30
Left Out: 307.177+/-82.361 χ²/NDF:30.6/24
Right Out: -354.331+/-85.174 χ²/NDF: 44.3/33
Left In: -50.029+/-84.838 χ²/NDF:27.3/22
Left: 133.864+/-59.094 χ²/NDF: 67.0/47
Right: -85.842+/-60.731 χ²/NDF: 93.0/64
In: 68.386+/-60.609 χ²/NDF:59.7/53
Out: -12.472+/-59.208 χ²/NDF:106.1/58
All: 27.011+/-42.353 χ²/NDF: 166.8/112

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 366.695+/-0.061 χ^2/NDF: 2434131.1/30

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 353.401+/-0.060 χ^2/NDF: 3177702.1/33

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

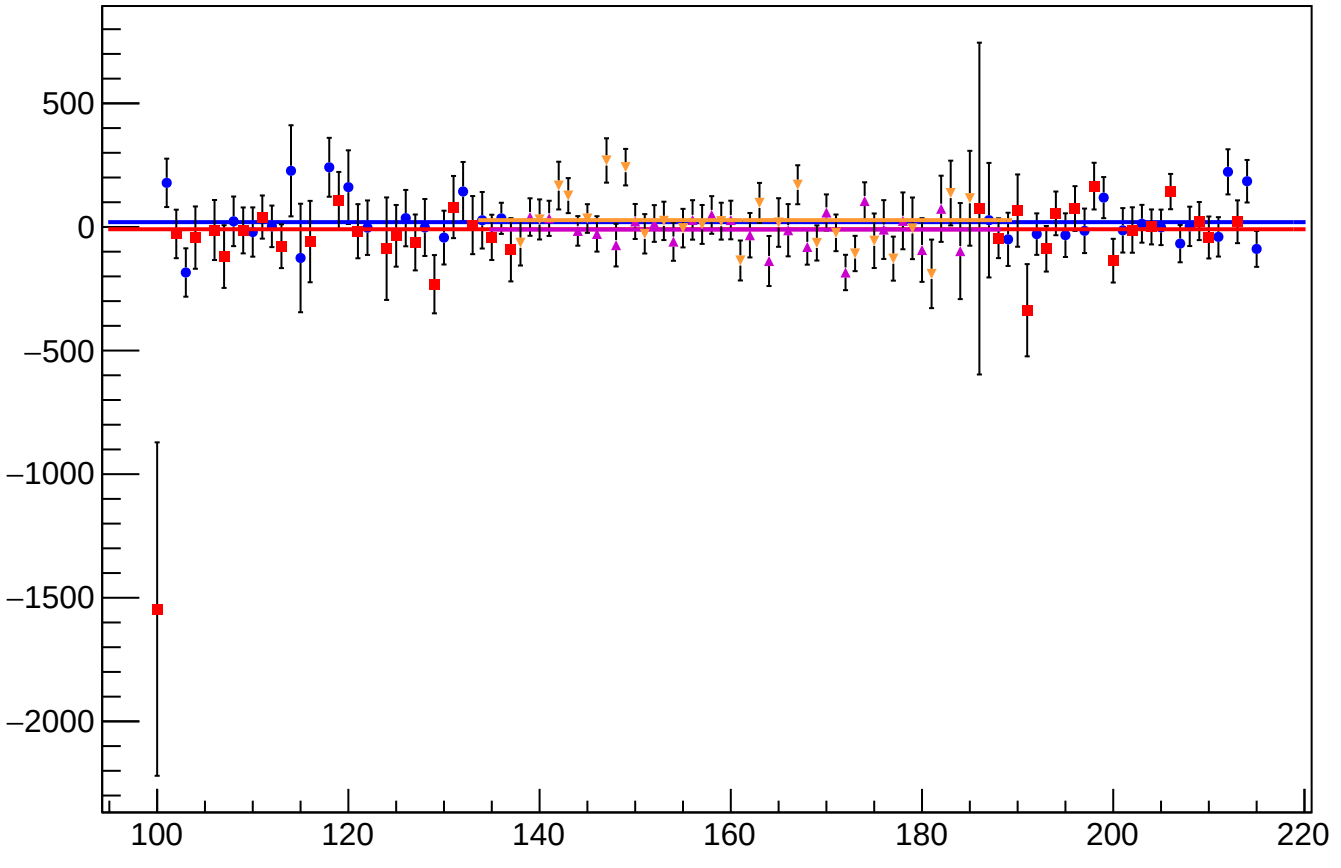
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 359.937+/-0.043 χ^2/NDF: 5635783.6/64

In: 362.946+/-0.043 χ^2/NDF:2961233.7/53

Out: 355.639+/-0.042 χ^2/NDF:3864100.0/58

All: 359.207+/-0.030 χ^2/NDF: 6840208.9/112



Right In: 19.506+/-16.903 χ^2/NDF: 30.6/30

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -9.209+/-17.637 χ^2/NDF: 29.3/33

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

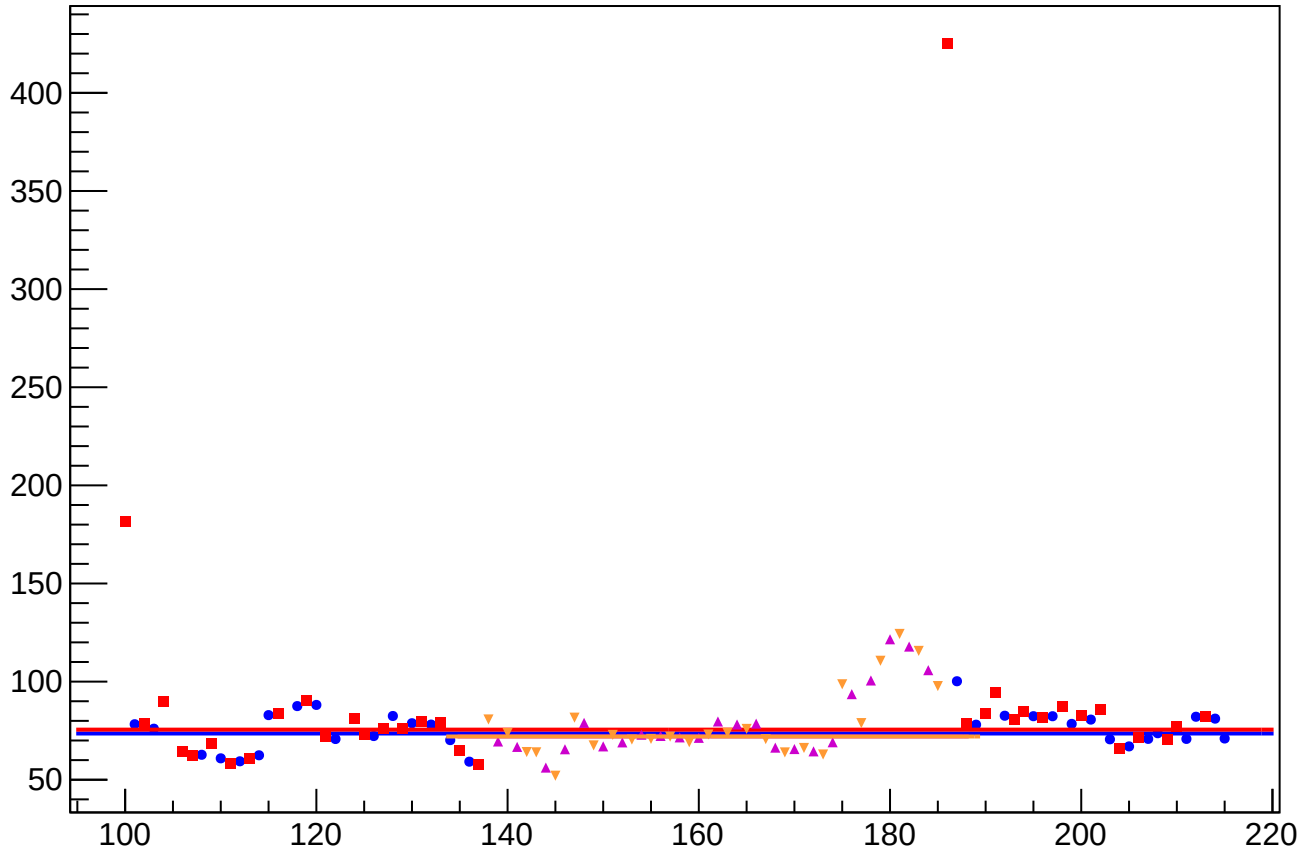
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 5.759+/-12.203 χ^2/NDF: 61.2/64

In: 4.776+/-12.064 χ^2/NDF:48.2/53

Out: 10.168+/-12.143 χ^2/NDF:73.9/58

All: 7.454+/-8.558 χ^2/NDF: 122.2/112



Right In: 73.563+/-0.012 χ^2/NDF: 474218.7/30

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.532+/-0.012 χ^2/NDF: 1117045.8/33

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

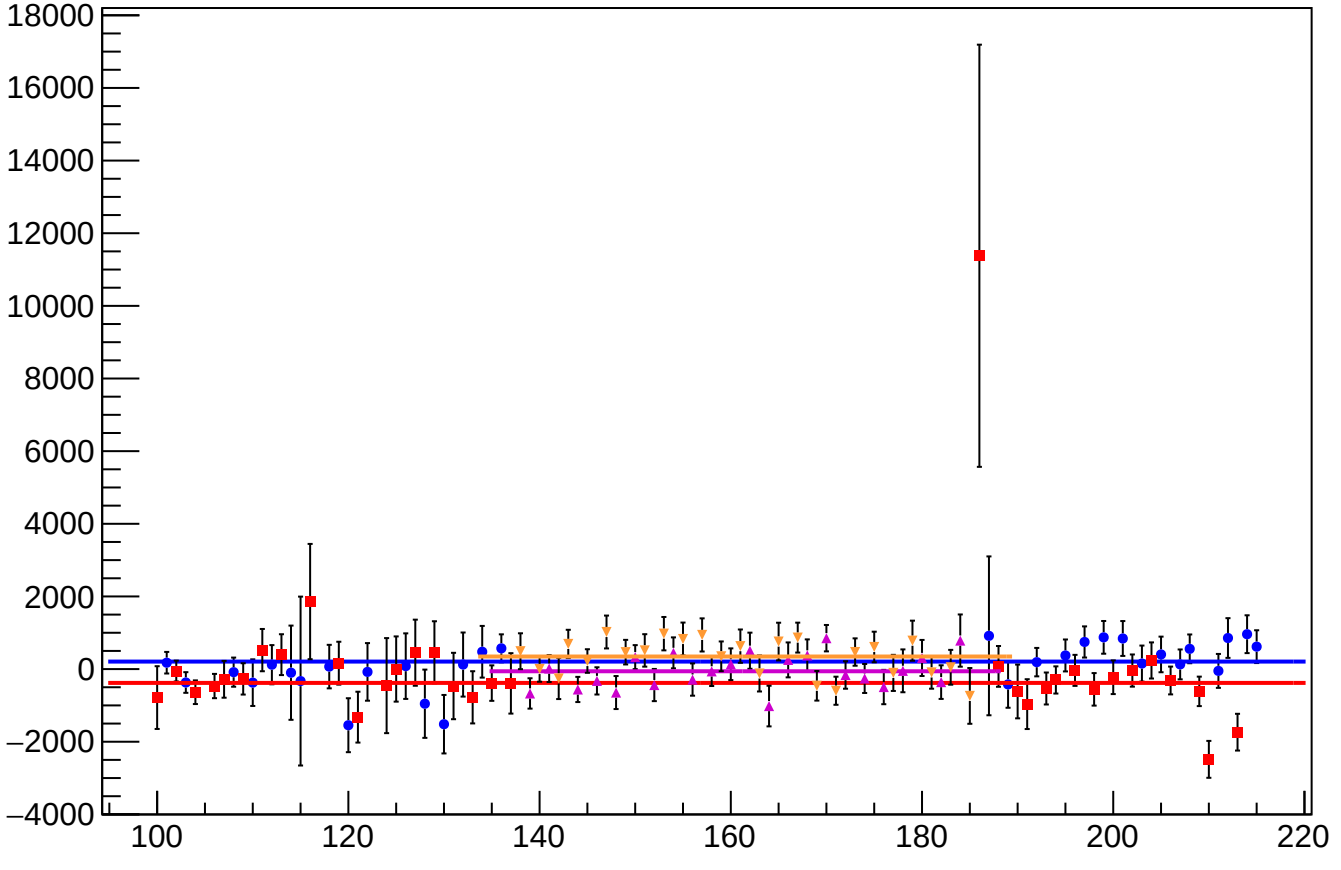
Right: 74.506+/-0.009 χ^2/NDF: 1604263.3/64

In: 72.841+/-0.009 χ^2/NDF:1540502.2/53

Out: 73.696+/-0.009 χ^2/NDF:2427744.4/58

All: 73.266+/-0.006 χ^2/NDF: 3973228.2/112

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 206.760+/-90.268 χ^2/NDF: 30.9/30

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -380.470+/-87.645 χ^2/NDF: 47.1/33

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

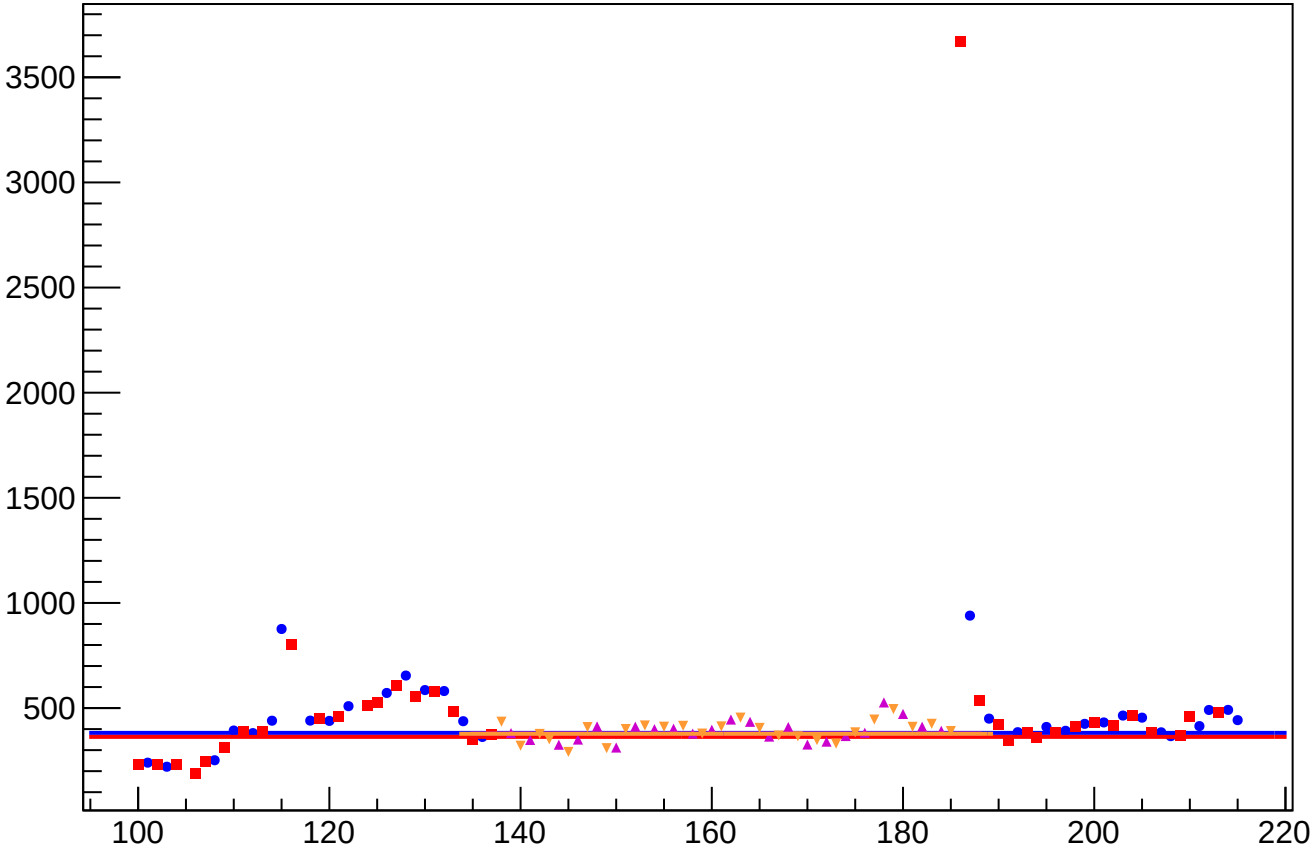
Right: -95.508+/-62.881 χ^2/NDF: 99.8/64

In: 72.155+/-63.524 χ^2/NDF:61.1/53

Out: -13.821+/-61.682 χ^2/NDF:110.7/58

All: 27.902+/-44.252 χ^2/NDF: 172.8/112

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 382.032+/-0.064 χ^2/NDF: 2503829.1/30

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 363.051+/-0.062 χ^2/NDF: 3460375.0/33

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

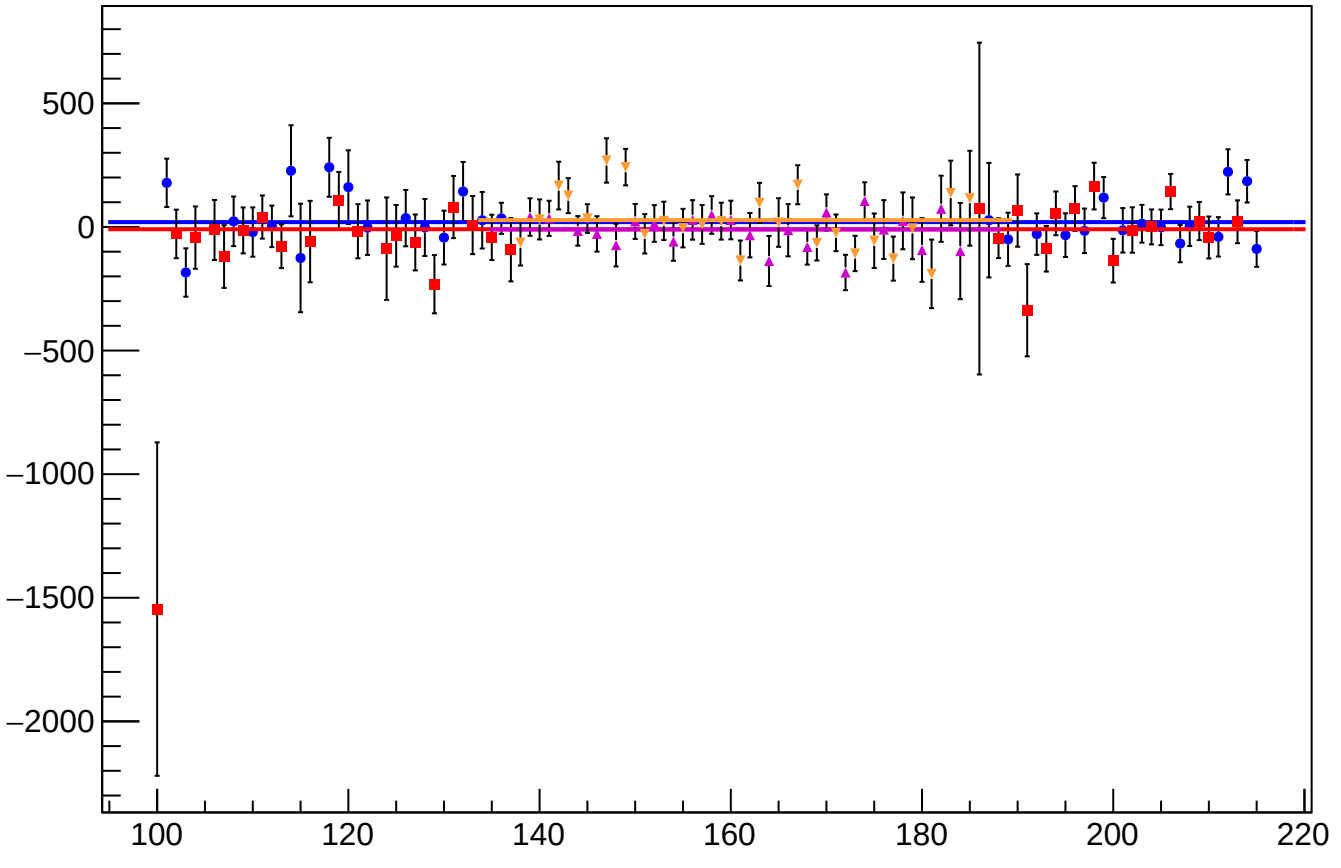
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 372.262+/-0.044 χ^2/NDF: 6009719.3/64

In: 380.435+/-0.045 χ^2/NDF:3032753.3/53

Out: 370.494+/-0.044 χ^2/NDF:4125661.0/58

All: 375.318+/-0.031 χ^2/NDF: 7183628.7/112



Right In: 19.506+/-16.903 χ^2/NDF: 30.6/30

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -9.208+/-17.637 χ^2/NDF: 29.3/33

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

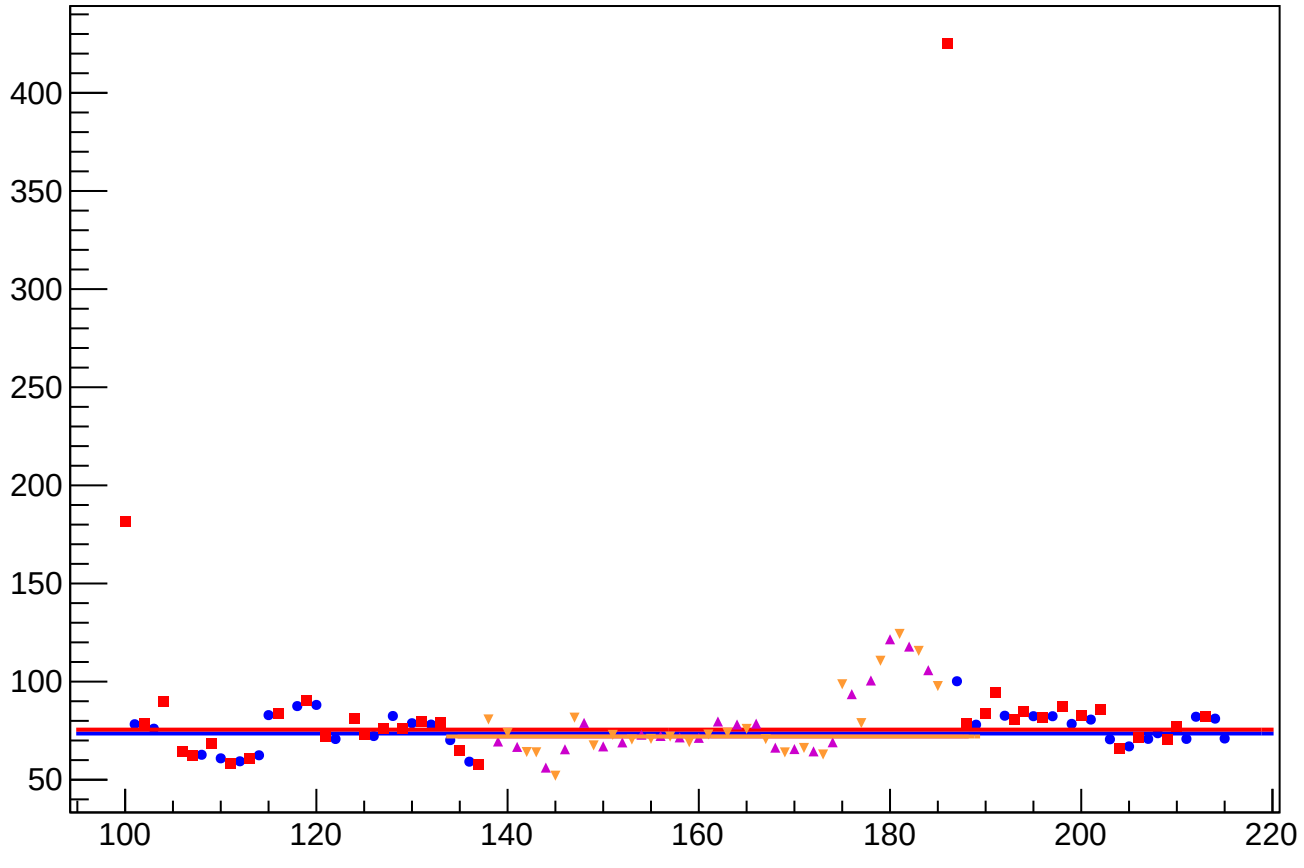
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 5.759+/-12.203 χ^2/NDF: 61.2/64

In: 4.776+/-12.064 χ^2/NDF:48.2/53

Out: 10.167+/-12.143 χ^2/NDF:73.9/58

All: 7.454+/-8.558 χ^2/NDF: 122.2/112



Right In: 73.563+/-0.012 χ^2/NDF: 474214.1/30

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 75.532+/-0.012 χ^2/NDF: 1117043.8/33

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

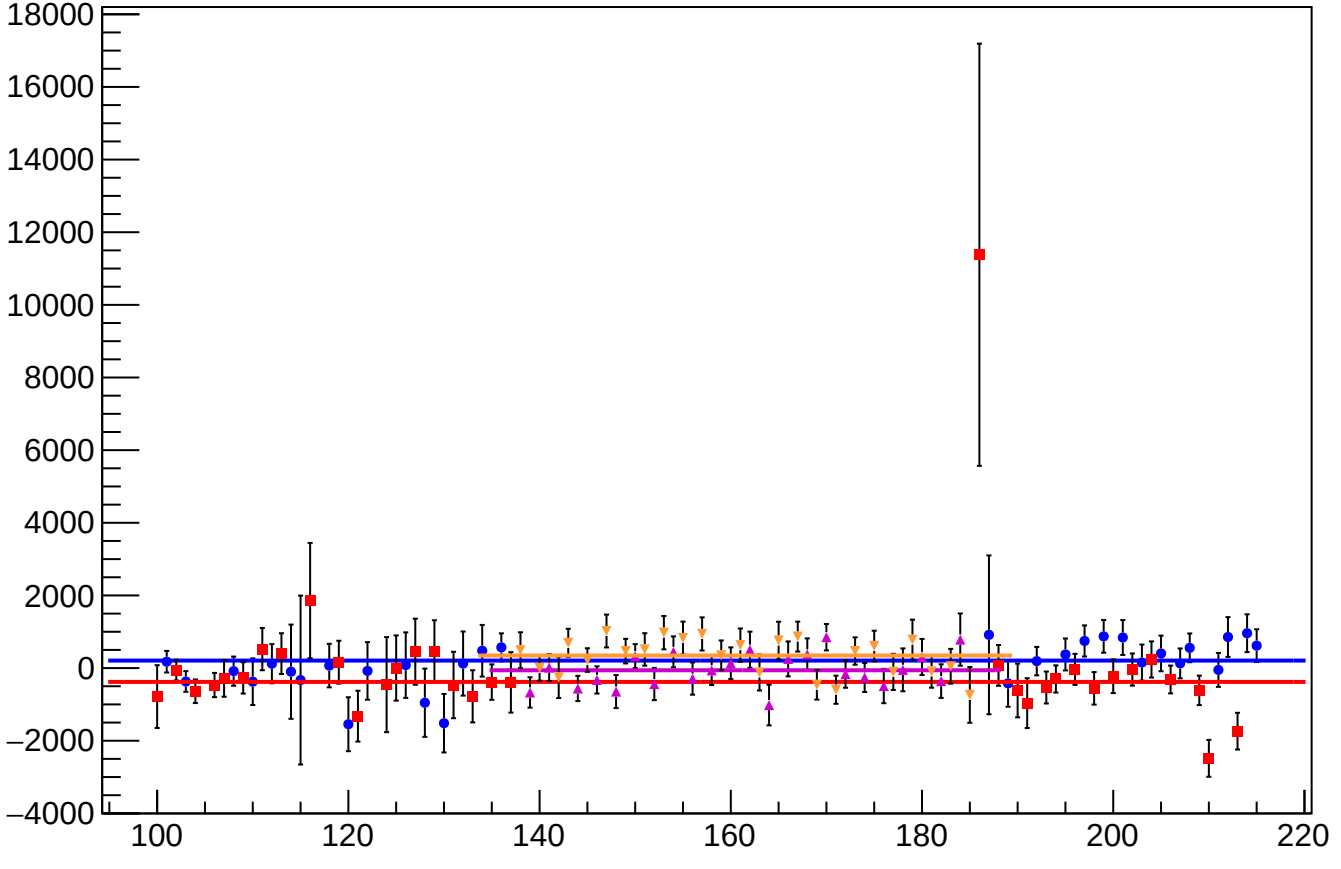
Right: 74.505+/-0.009 χ^2/NDF: 1604256.8/64

In: 72.841+/-0.009 χ^2/NDF:1540487.3/53

Out: 73.695+/-0.009 χ^2/NDF:2427748.8/58

All: 73.266+/-0.006 χ^2/NDF: 3973217.9/112

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 206.760+/-90.268 χ^2/NDF: 30.9/30

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -380.470+/-87.645 χ^2/NDF: 47.1/33

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

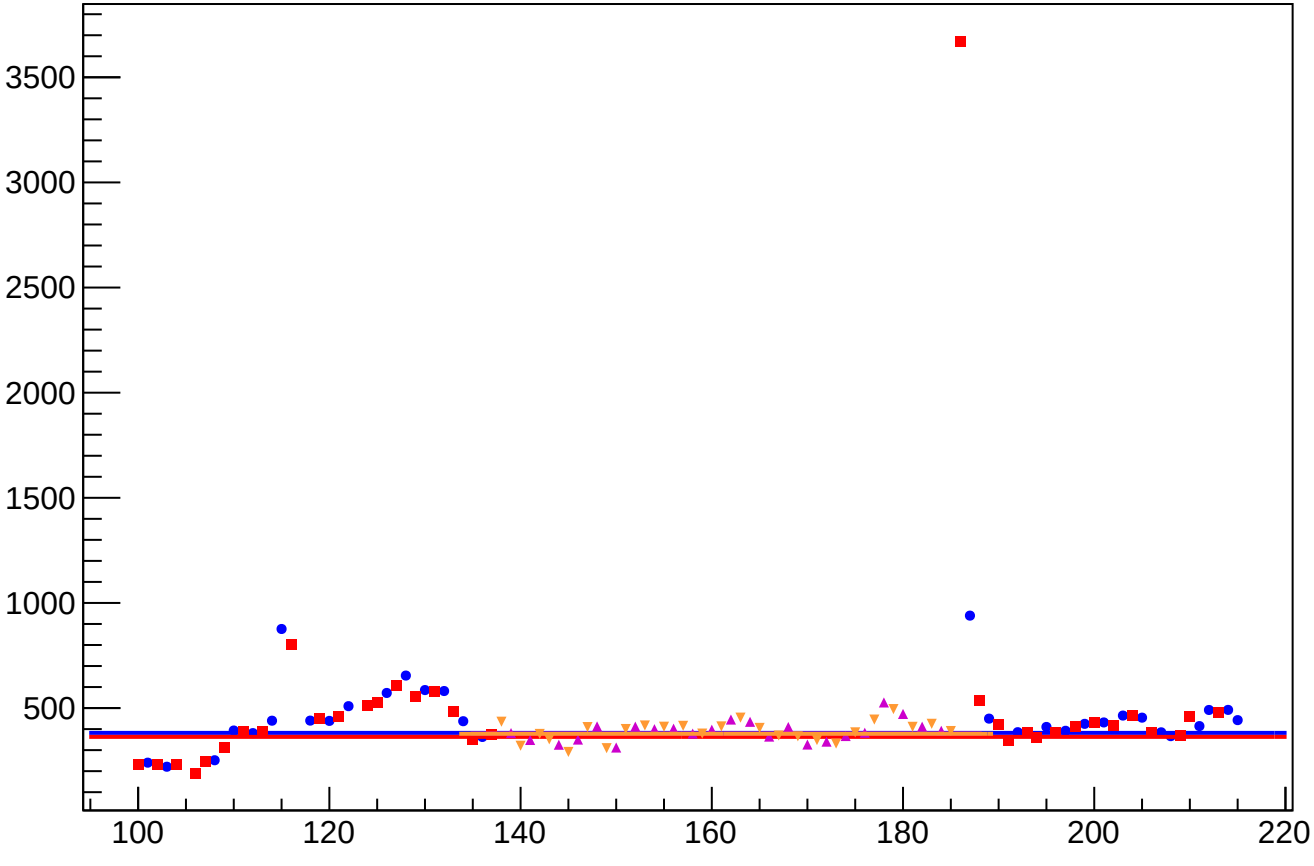
Right: -95.508+/-62.881 χ^2/NDF: 99.8/64

In: 72.155+/-63.524 χ^2/NDF:61.1/53

Out: -13.822+/-61.682 χ^2/NDF:110.7/58

All: 27.902+/-44.252 χ^2/NDF: 172.8/112

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 382.032+/-0.064 χ^2/NDF: 2503814.2/30

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 363.051+/-0.062 χ^2/NDF: 3460359.7/33

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

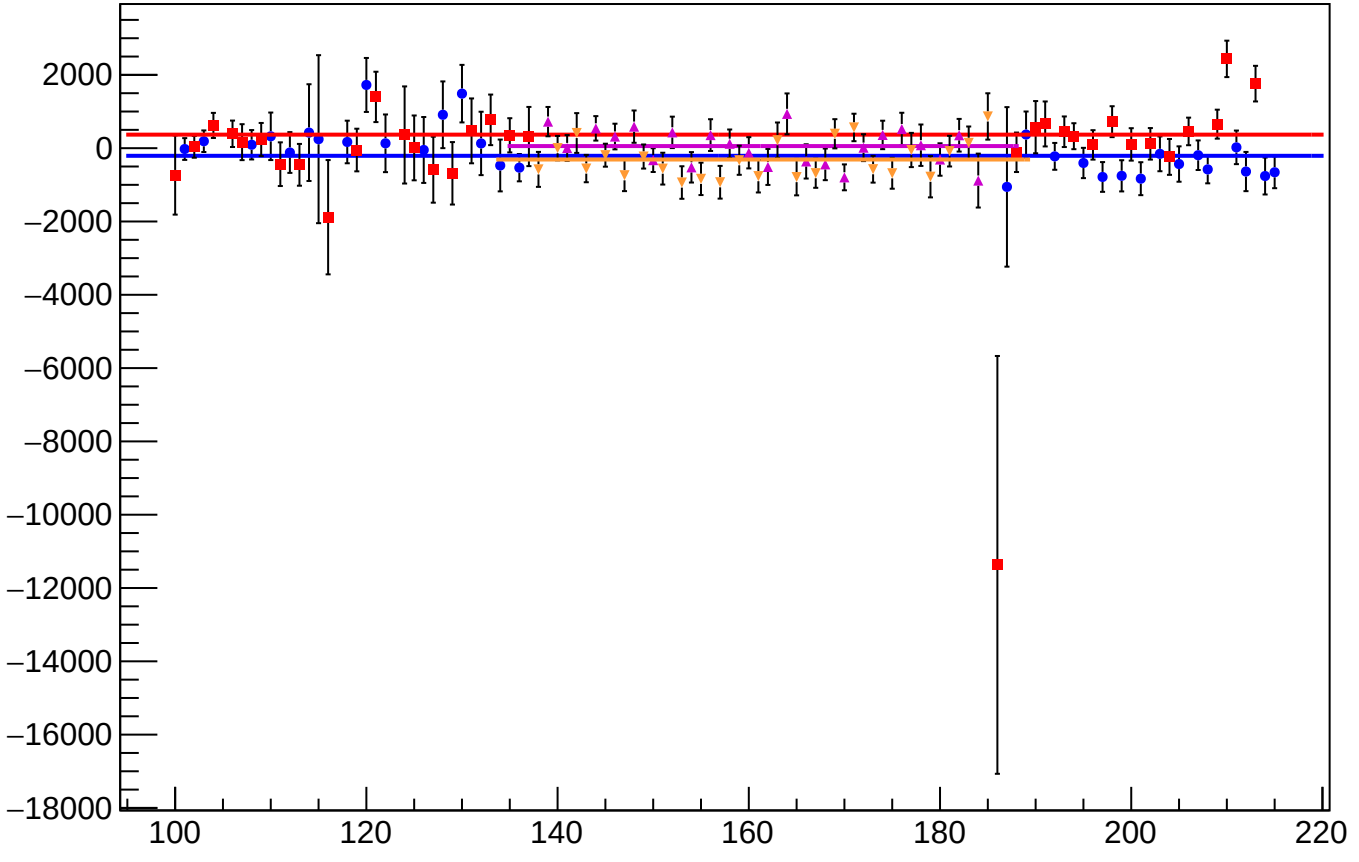
Right: 372.262+/-0.044 χ^2/NDF: 6009689.9/64

In: 380.435+/-0.045 χ^2/NDF:3032734.4/53

Out: 370.493+/-0.044 χ^2/NDF:4125644.9/58

All: 375.318+/-0.031 χ^2/NDF: 7183594.3/112

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -208.105+/-88.258 χ^2/NDF: 29.7/30

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 369.450+/-86.755 χ^2/NDF: 50.0/33

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

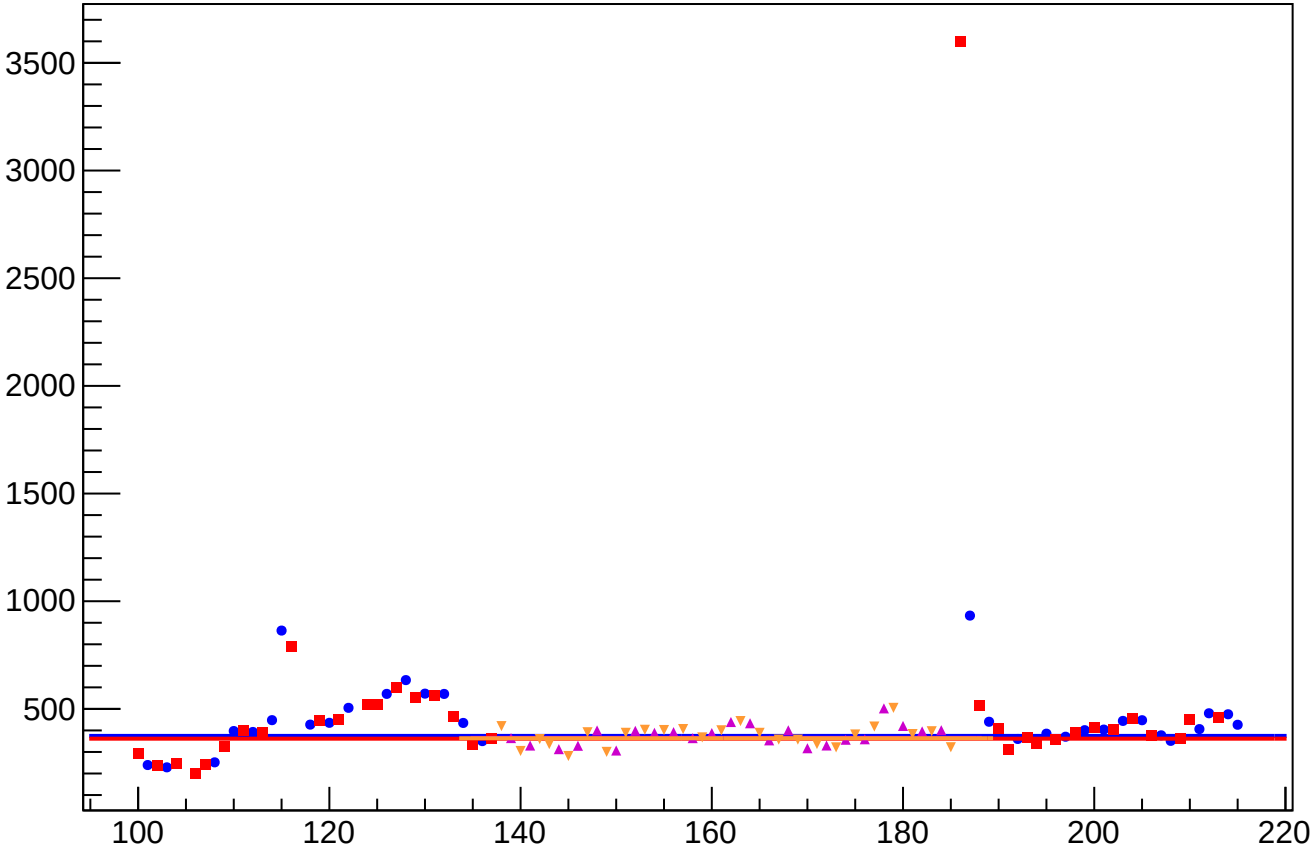
Right: 85.633+/-61.870 χ^2/NDF: 101.4/64

In: -72.185+/-61.677 χ^2/NDF:62.3/53

Out: 17.920+/-60.238 χ^2/NDF:111.6/58

All: -26.069+/-43.094 χ^2/NDF: 175.0/112

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 374.605+/-0.062 χ^2/NDF: 2251664.7/30

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 361.699+/-0.061 χ^2/NDF: 2964392.3/33

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

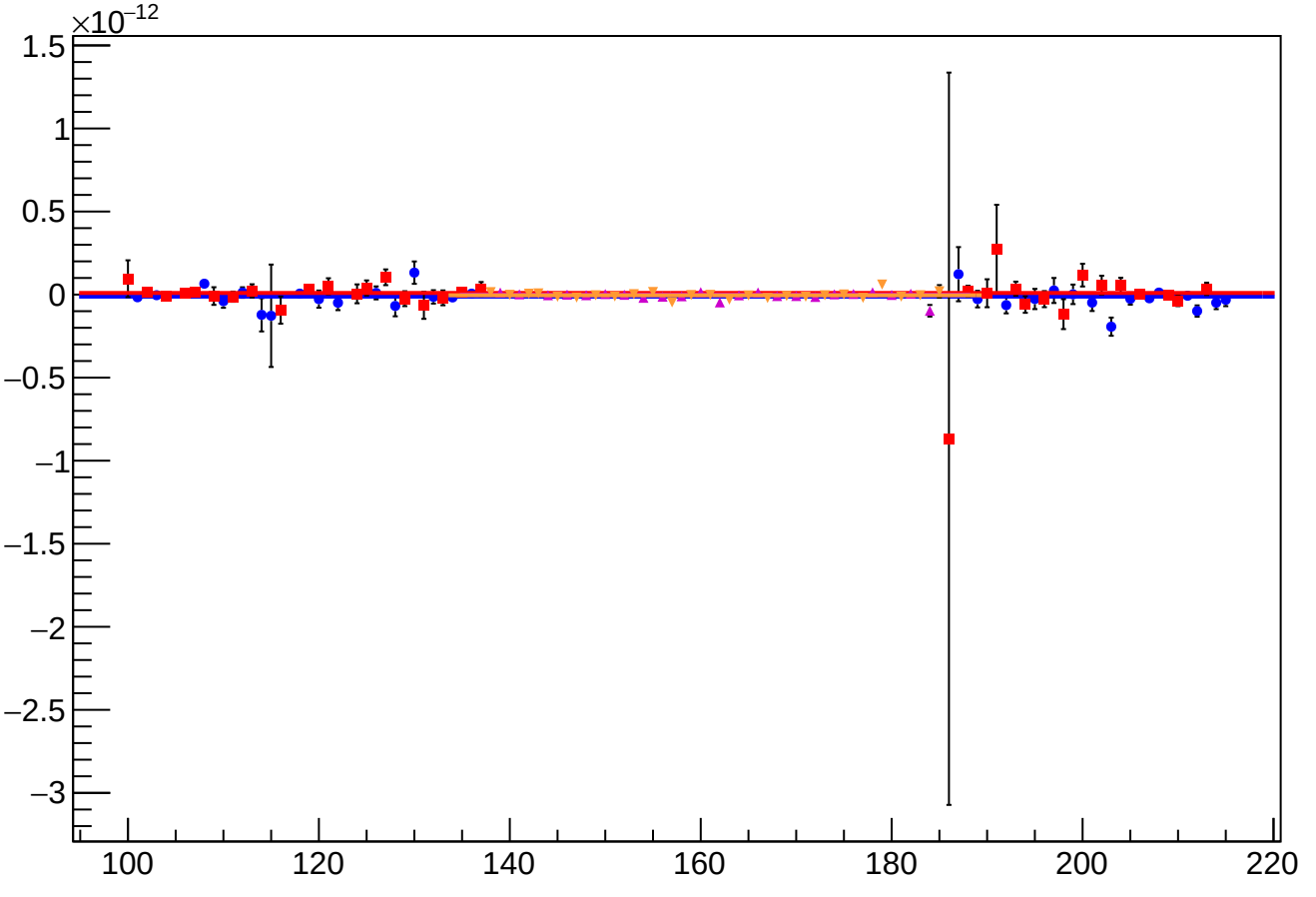
Right: 368.041+/-0.044 χ^2/NDF: 5237809.8/64

In: 369.856+/-0.044 χ^2/NDF:2772477.5/53

Out: 362.742+/-0.043 χ^2/NDF:3634195.9/58

All: 366.215+/-0.030 χ^2/NDF: 6420292.0/112

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/33

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

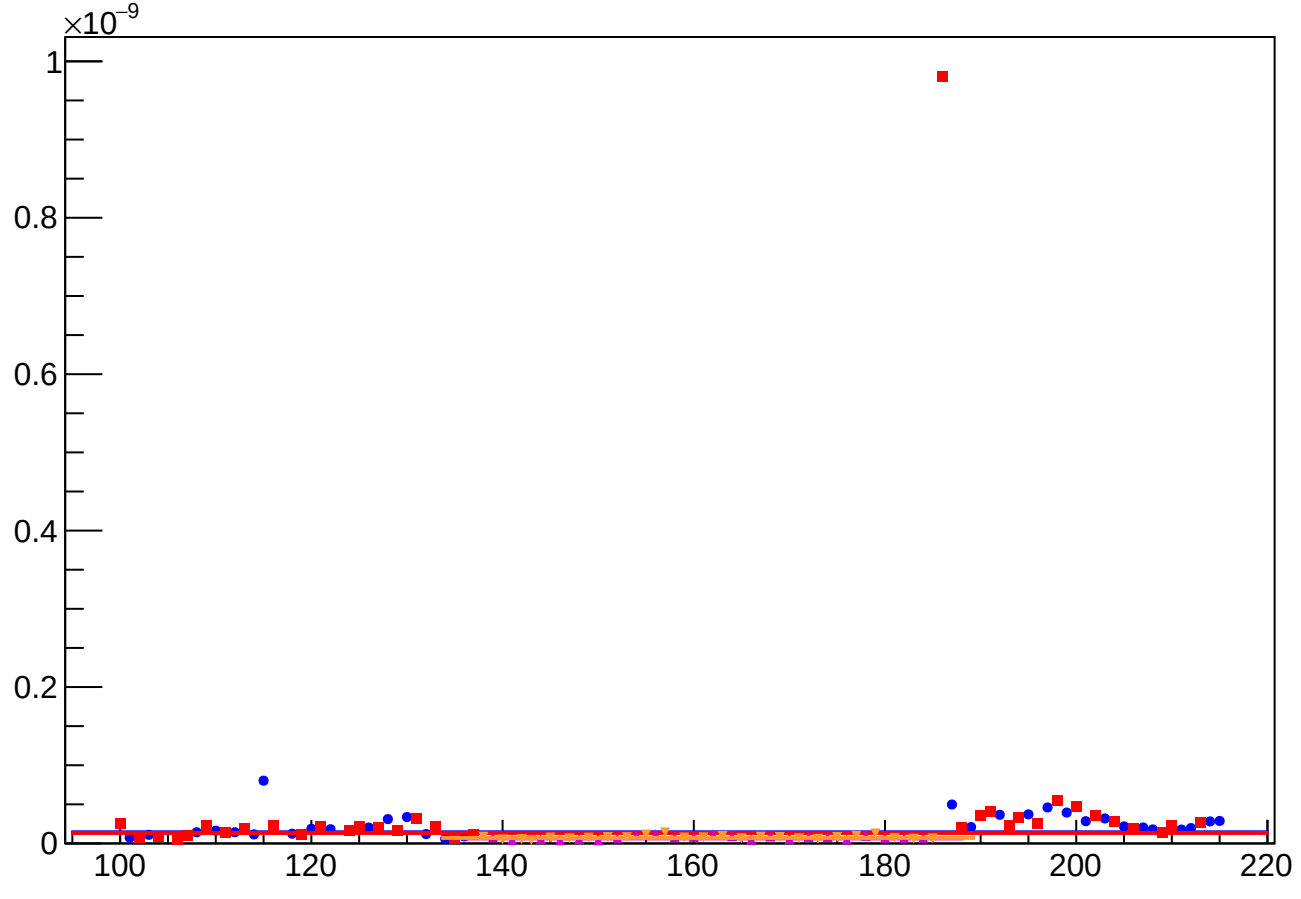
Right: -0.000+/-0.000 χ^2/NDF: 73.9/64

In: -0.000+/-0.000 χ^2/NDF:65.3/53

Out: -0.000+/-0.000 χ^2/NDF:52.7/58

All: -0.000+/-0.000 χ^2/NDF: 118.3/112

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4631361.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5120415.3/33

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

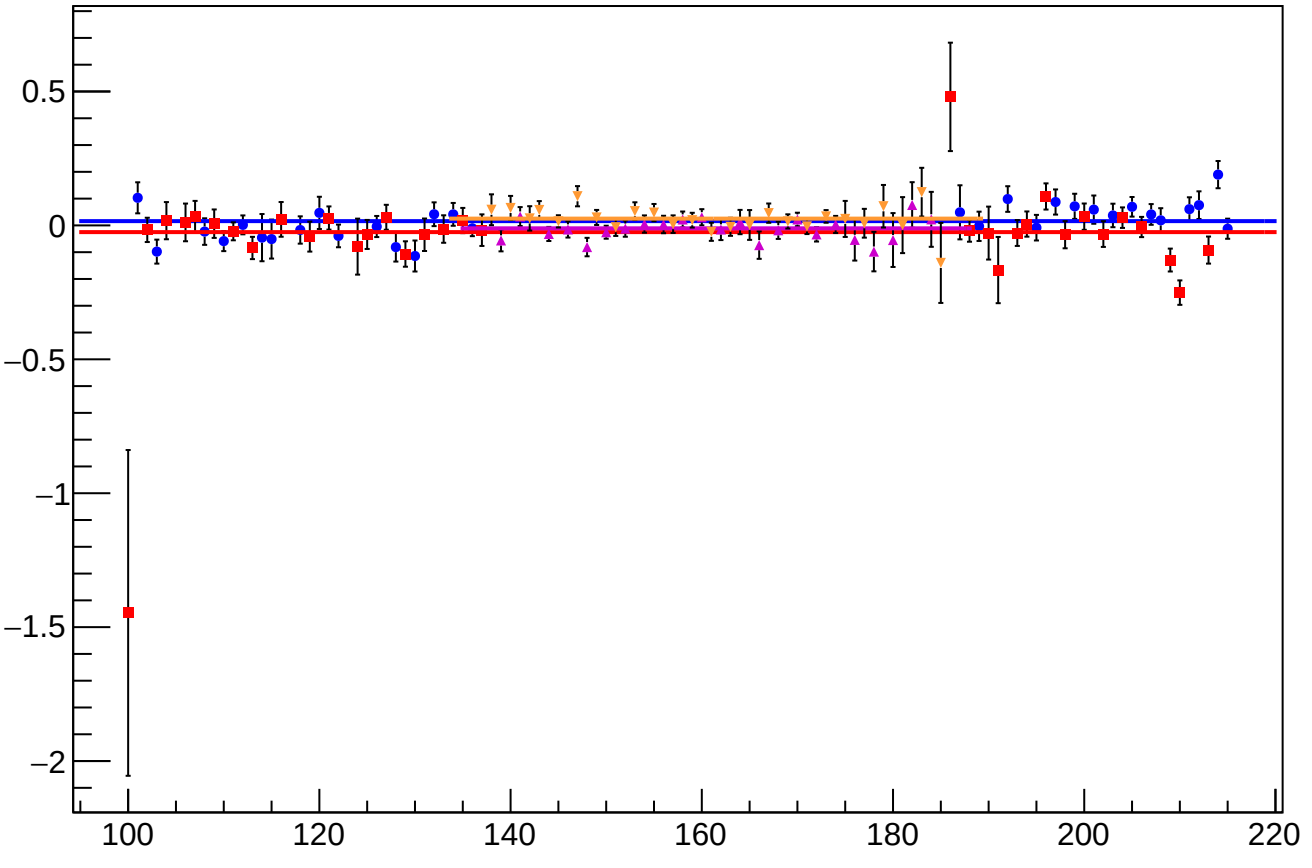
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9772484.8/64

In: 0.000+/-0.000 χ^2/NDF:9095909.7/53

Out: 0.000+/-0.000 χ^2/NDF:8126904.7/58

All: 0.000+/-0.000 χ^2/NDF: 17252966.2/112



Right In: 0.016+/-0.008 χ^2/NDF: 52.5/30

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.025+/-0.009 χ^2/NDF: 68.5/33

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

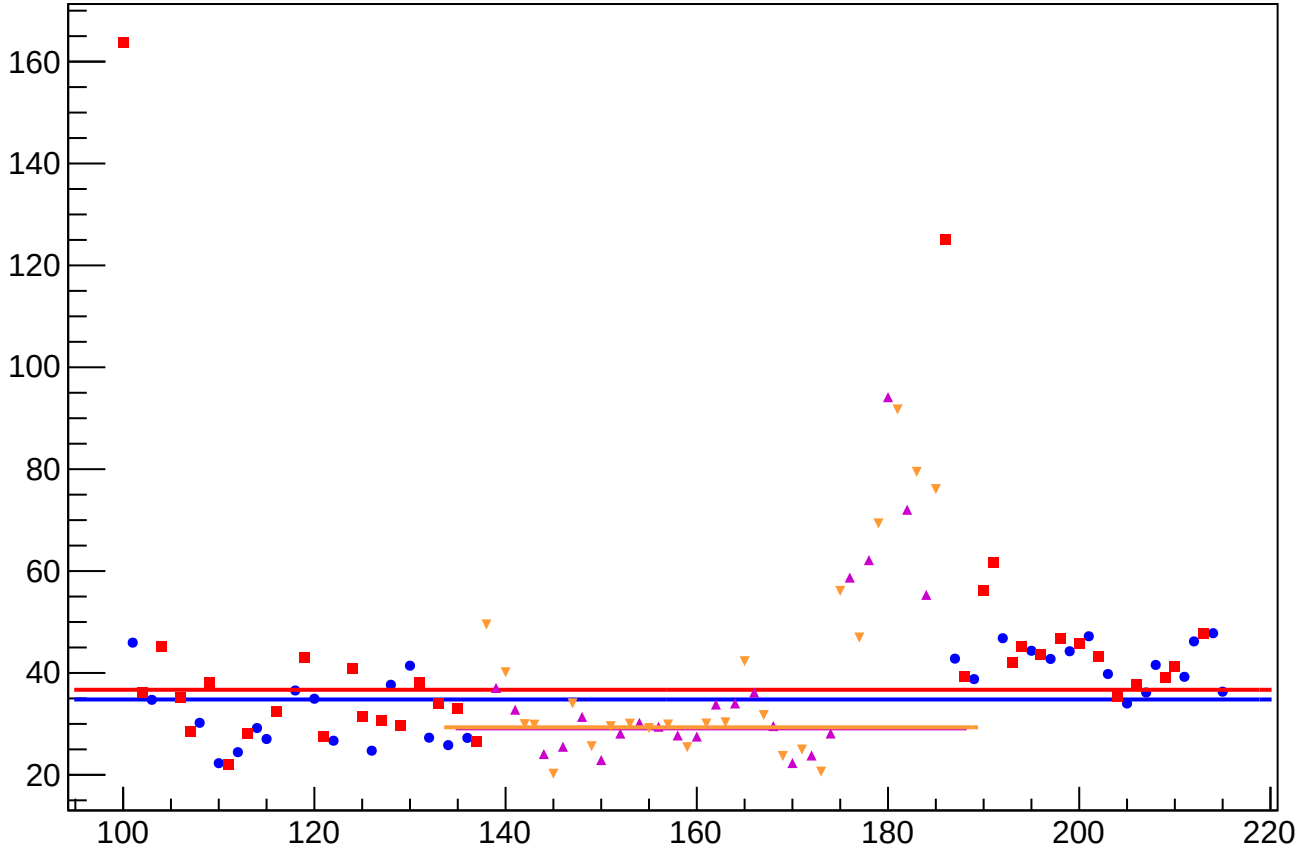
Right: -0.003+/-0.006 χ^2/NDF: 132.6/64

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.003+/-0.004 χ^2/NDF: 183.4/112

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.794+/-0.006 χ^2/NDF: 1839443.8/30

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.698+/-0.006 χ^2/NDF: 1916323.0/33

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

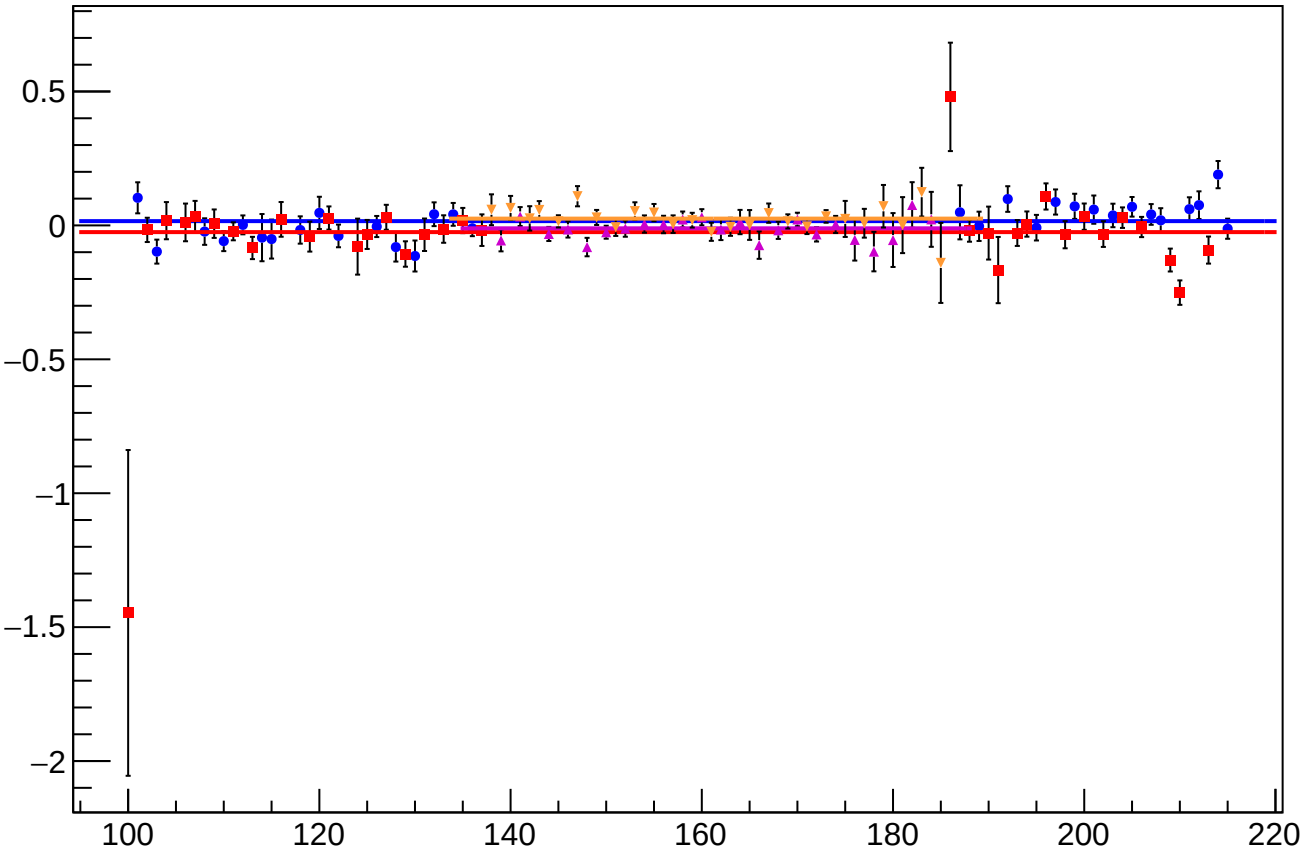
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.685+/-0.004 χ^2/NDF: 3805786.8/64

In: 31.618+/-0.004 χ^2/NDF:5209710.1/53

Out: 32.283+/-0.004 χ^2/NDF:6633721.1/58

All: 31.945+/-0.003 χ^2/NDF: 11857977.9/112



Right In: 0.016+/-0.008 χ^2/NDF: 52.5/30

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.025+/-0.009 χ^2/NDF: 68.5/33

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

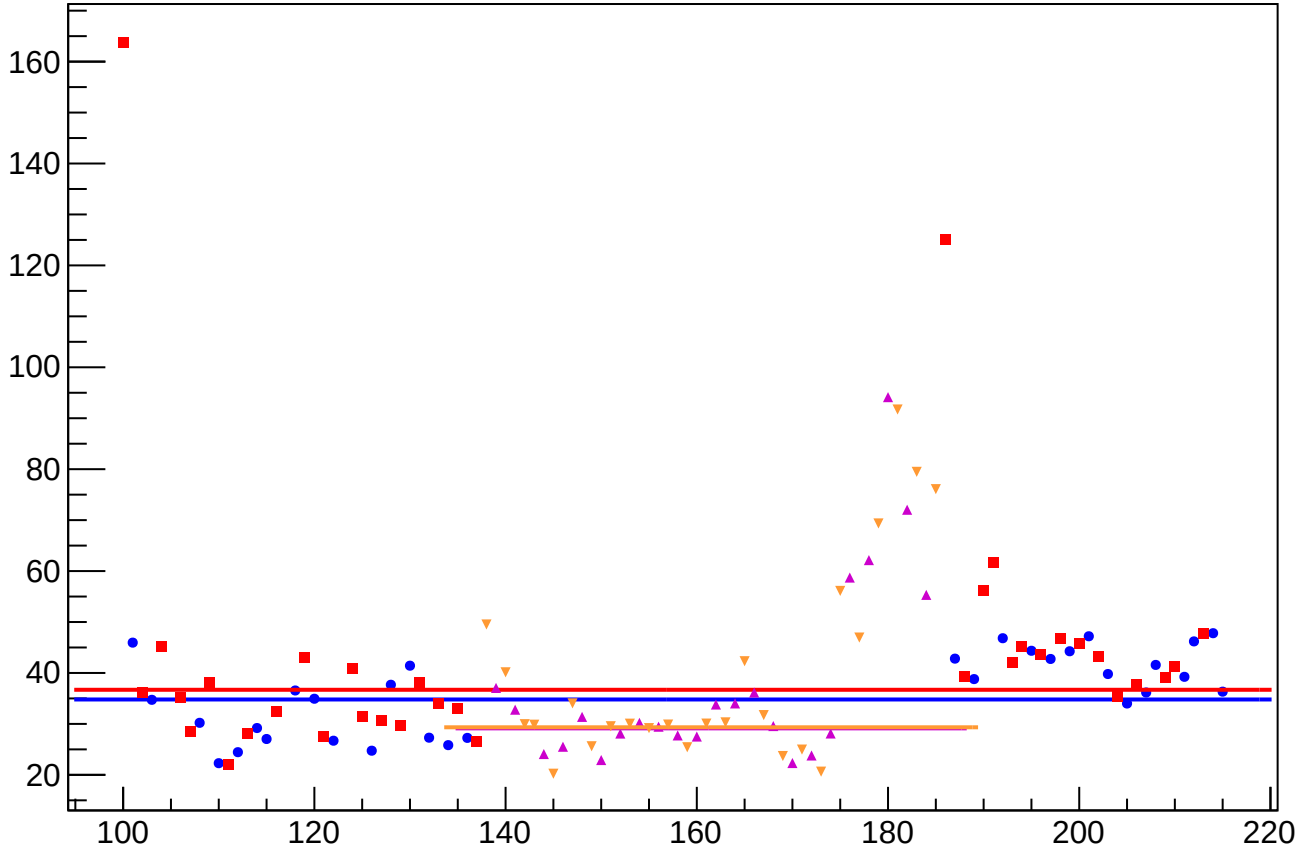
Right: -0.003+/-0.006 χ^2/NDF: 132.6/64

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.003+/-0.004 χ^2/NDF: 183.4/112

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.794+/-0.006 χ^2/NDF: 1839443.8/30

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.698+/-0.006 χ^2/NDF: 1916323.0/33

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

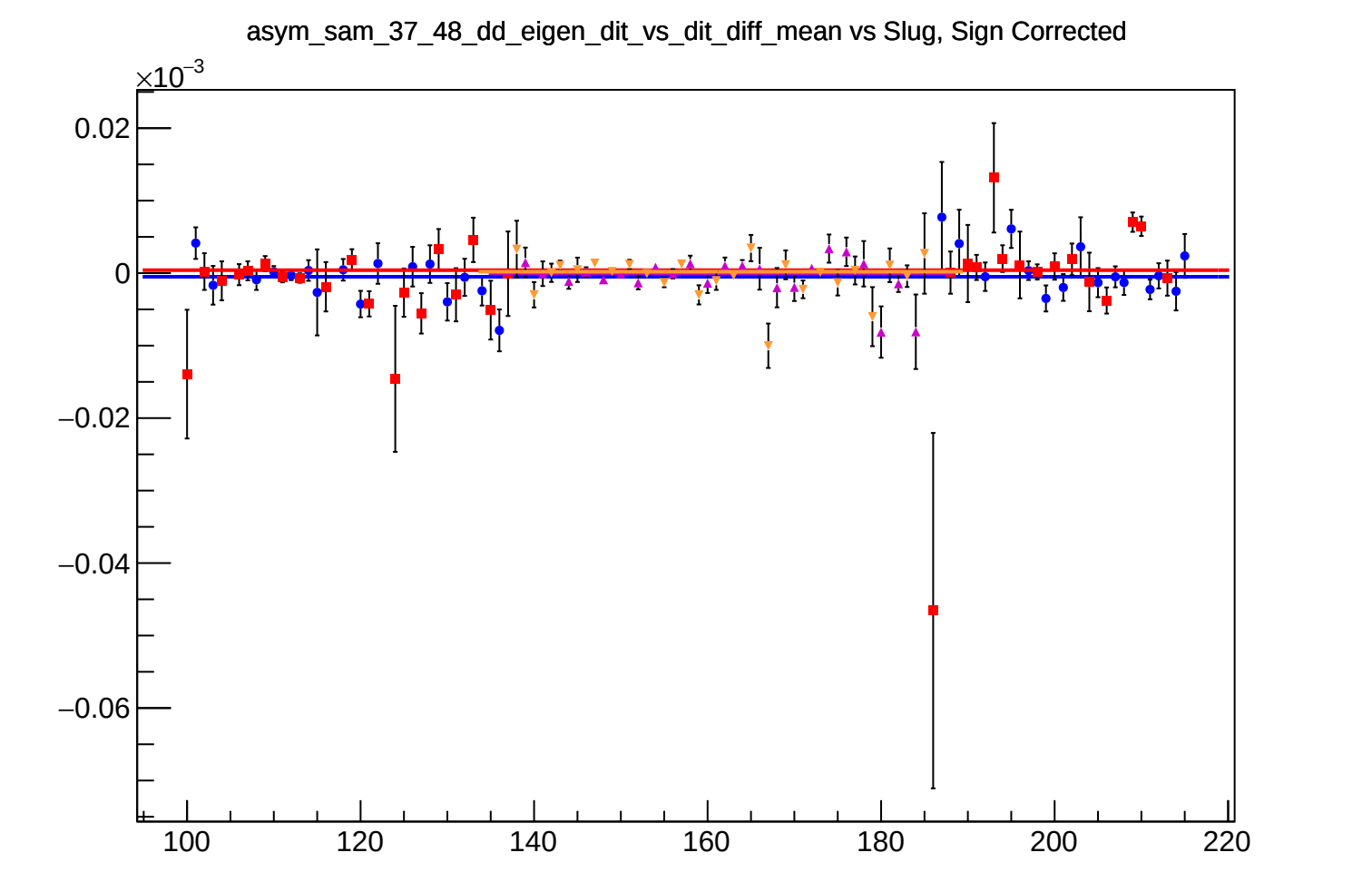
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.685+/-0.004 χ^2/NDF: 3805786.8/64

In: 31.618+/-0.004 χ^2/NDF:5209710.1/53

Out: 32.283+/-0.004 χ^2/NDF:6633721.1/58

All: 31.945+/-0.003 χ^2/NDF: 11857977.9/112



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 89.3/33

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

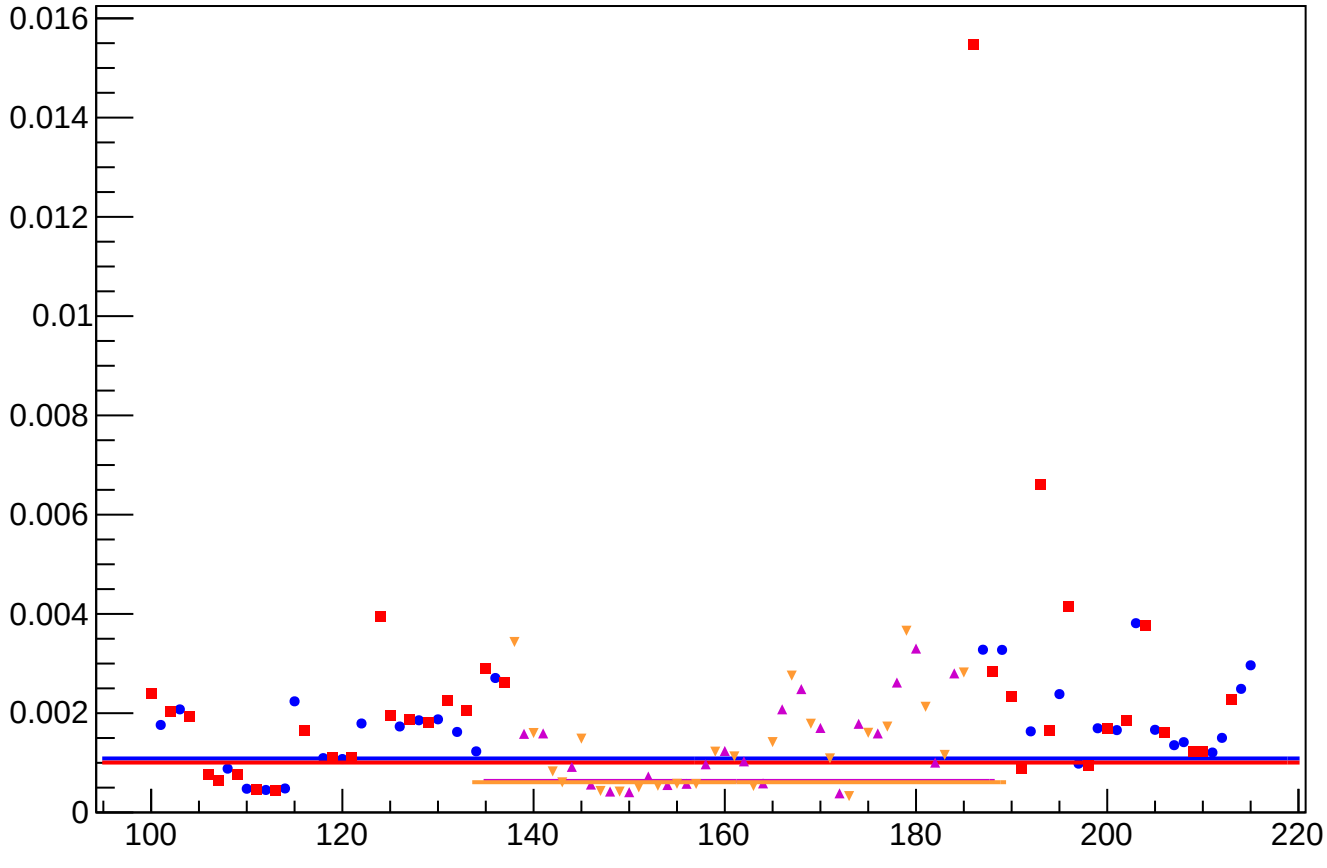
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 132.3/64

In: -0.000+/-0.000 χ^2/NDF:73.1/53

Out: 0.000+/-0.000 χ^2/NDF:142.4/58

All: 0.000+/-0.000 χ^2/NDF: 218.8/112



Right In: 0.001+/-0.000 χ^2/NDF: 9799487.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11778999.4/33

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

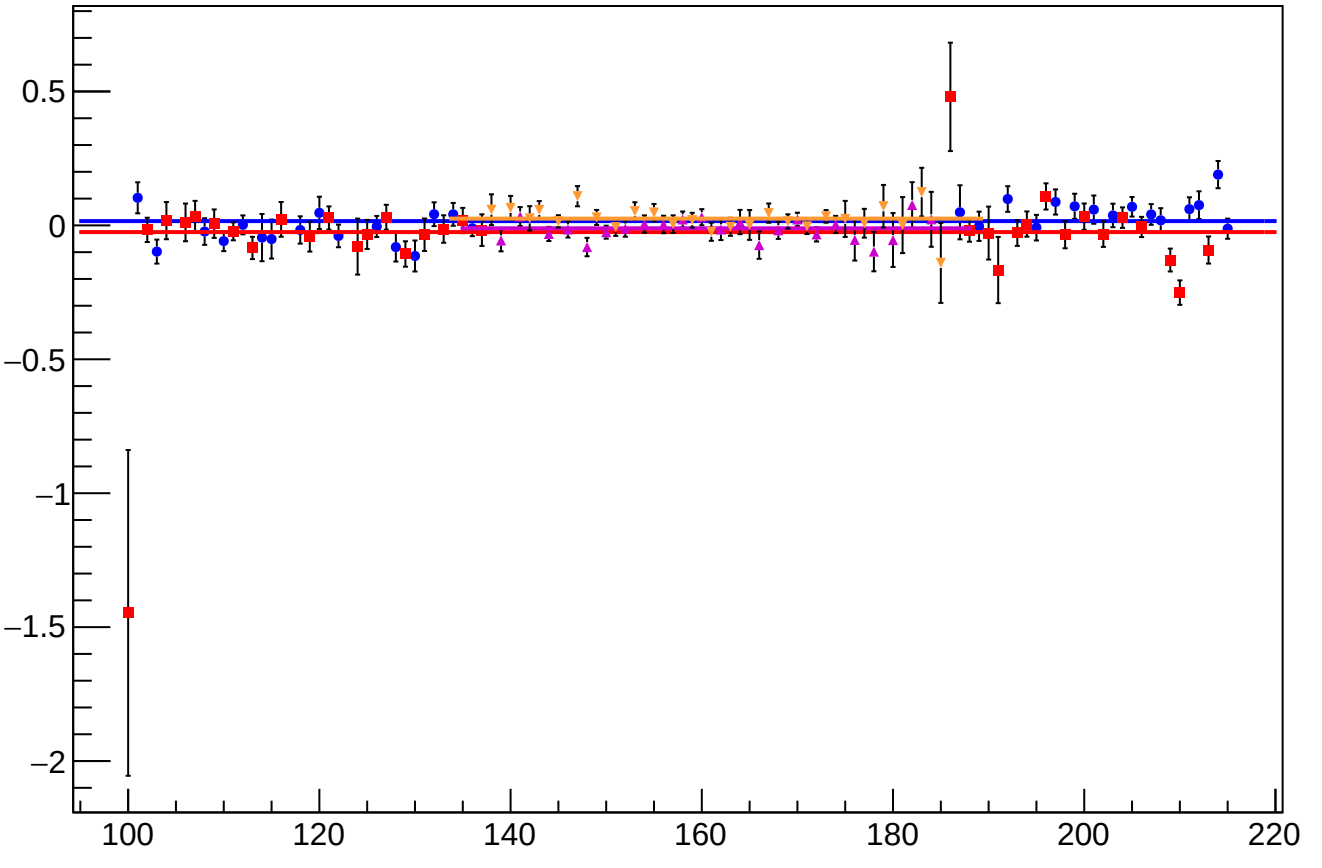
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 21657438.6/64

In: 0.001+/-0.000 χ^2/NDF:22529210.7/53

Out: 0.001+/-0.000 χ^2/NDF:25579421.2/58

All: 0.001+/-0.000 χ^2/NDF: 48203221.9/112



Right In: 0.016+/-0.008 χ^2/NDF: 52.5/30

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.025+/-0.009 χ^2/NDF: 68.5/33

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

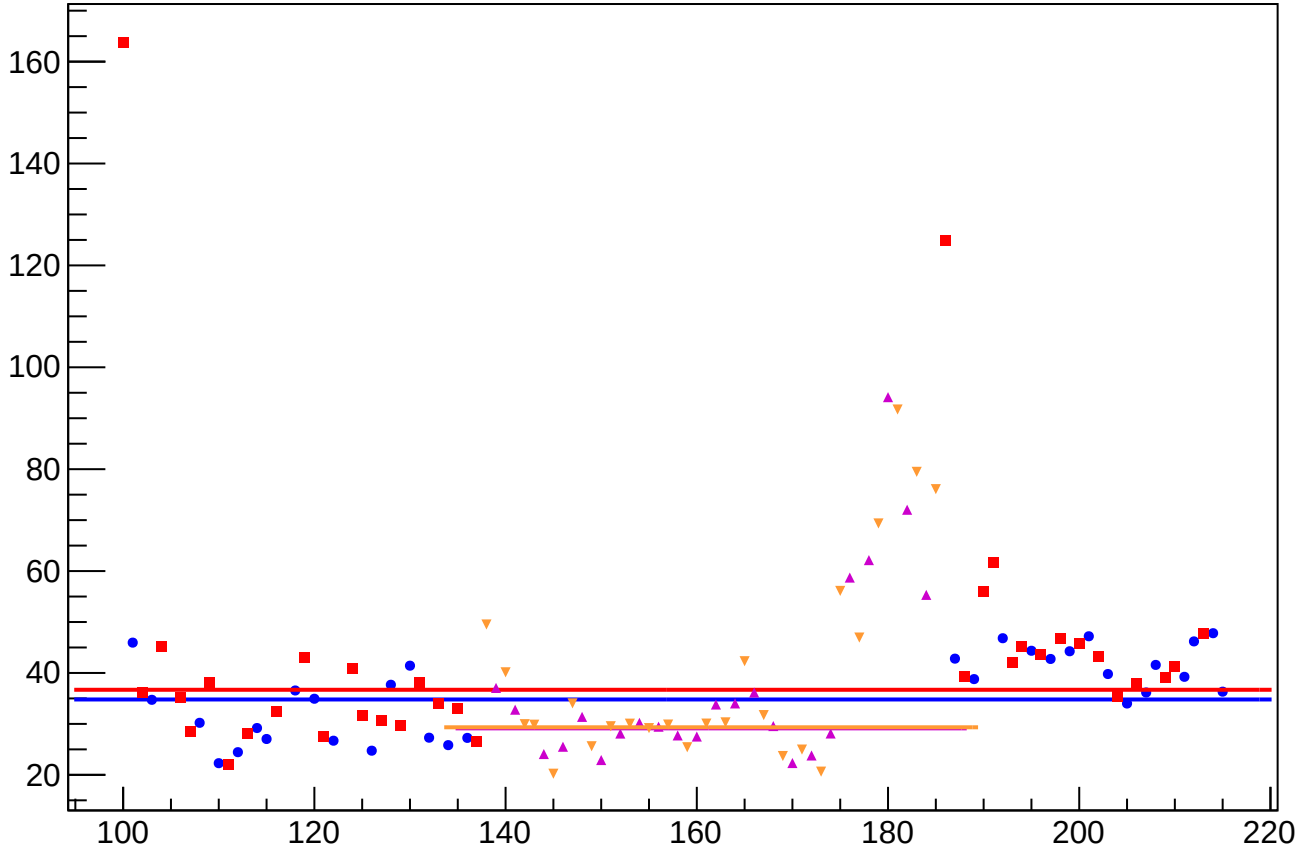
Right: -0.003+/-0.006 χ^2/NDF: 132.6/64

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.003+/-0.004 χ^2/NDF: 183.4/112

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.794+/-0.006 χ^2/NDF: 1839339.9/30

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.698+/-0.006 χ^2/NDF: 1916200.1/33

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

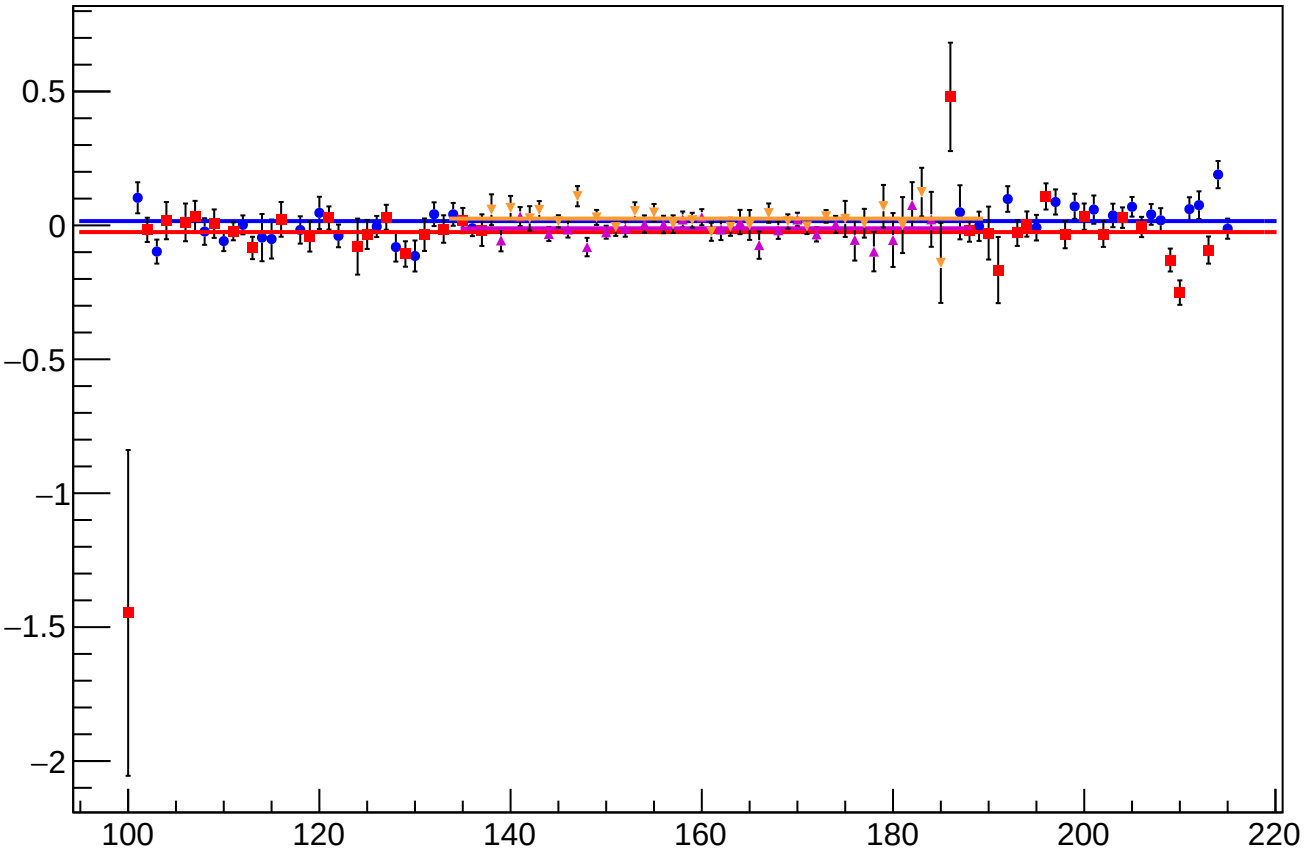
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.685+/-0.004 χ^2/NDF: 3805566.1/64

In: 31.618+/-0.004 χ^2/NDF:5209589.4/53

Out: 32.283+/-0.004 χ^2/NDF:6633721.4/58

All: 31.945+/-0.003 χ^2/NDF: 11857858.0/112



Right In: 0.016+/-0.008 χ^2/NDF: 52.5/30

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.025+/-0.009 χ^2/NDF: 68.5/33

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

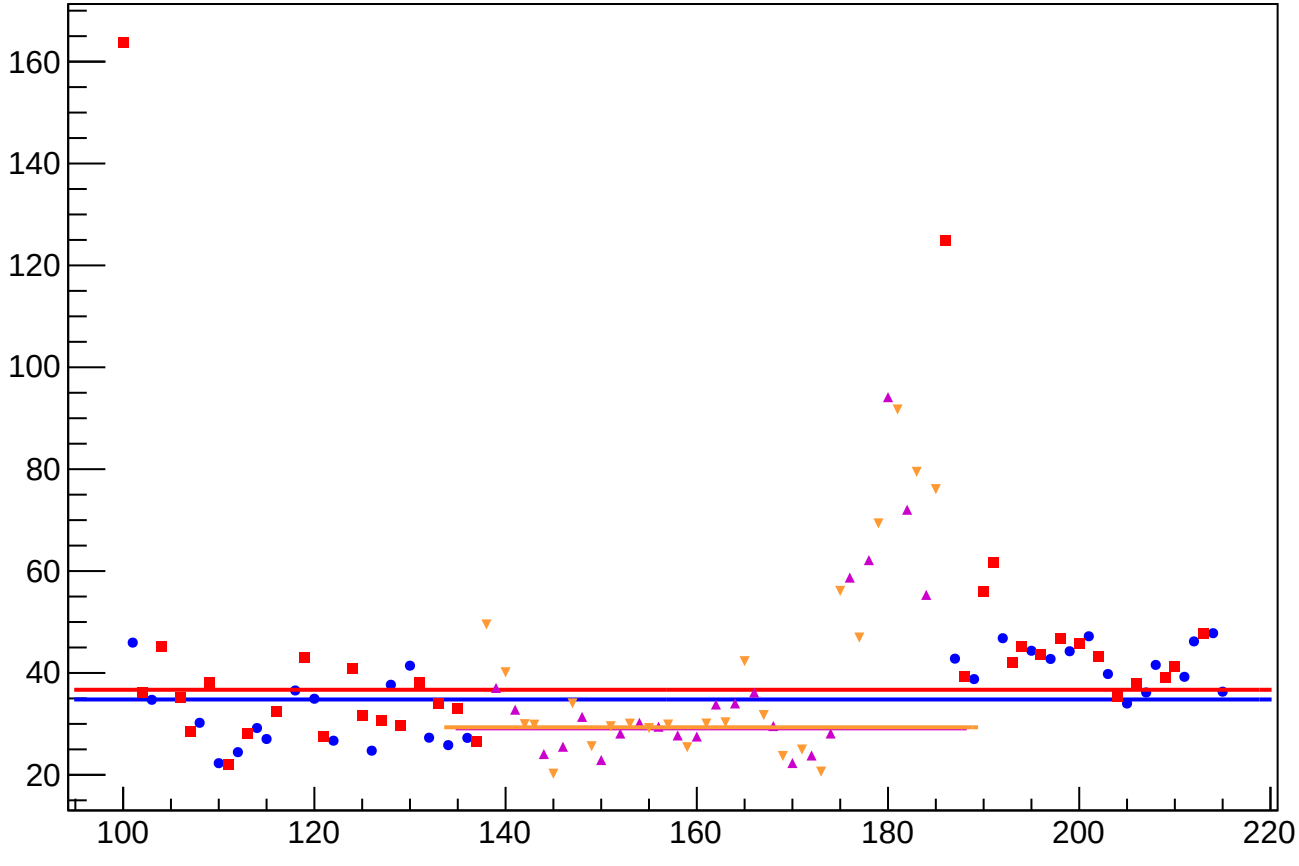
Right: -0.003+/-0.006 χ^2/NDF: 132.6/64

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: 0.005+/-0.006 χ^2/NDF:105.7/58

All: 0.003+/-0.004 χ^2/NDF: 183.4/112

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.794+/-0.006 χ^2/NDF: 1839339.9/30

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.698+/-0.006 χ^2/NDF: 1916200.1/33

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

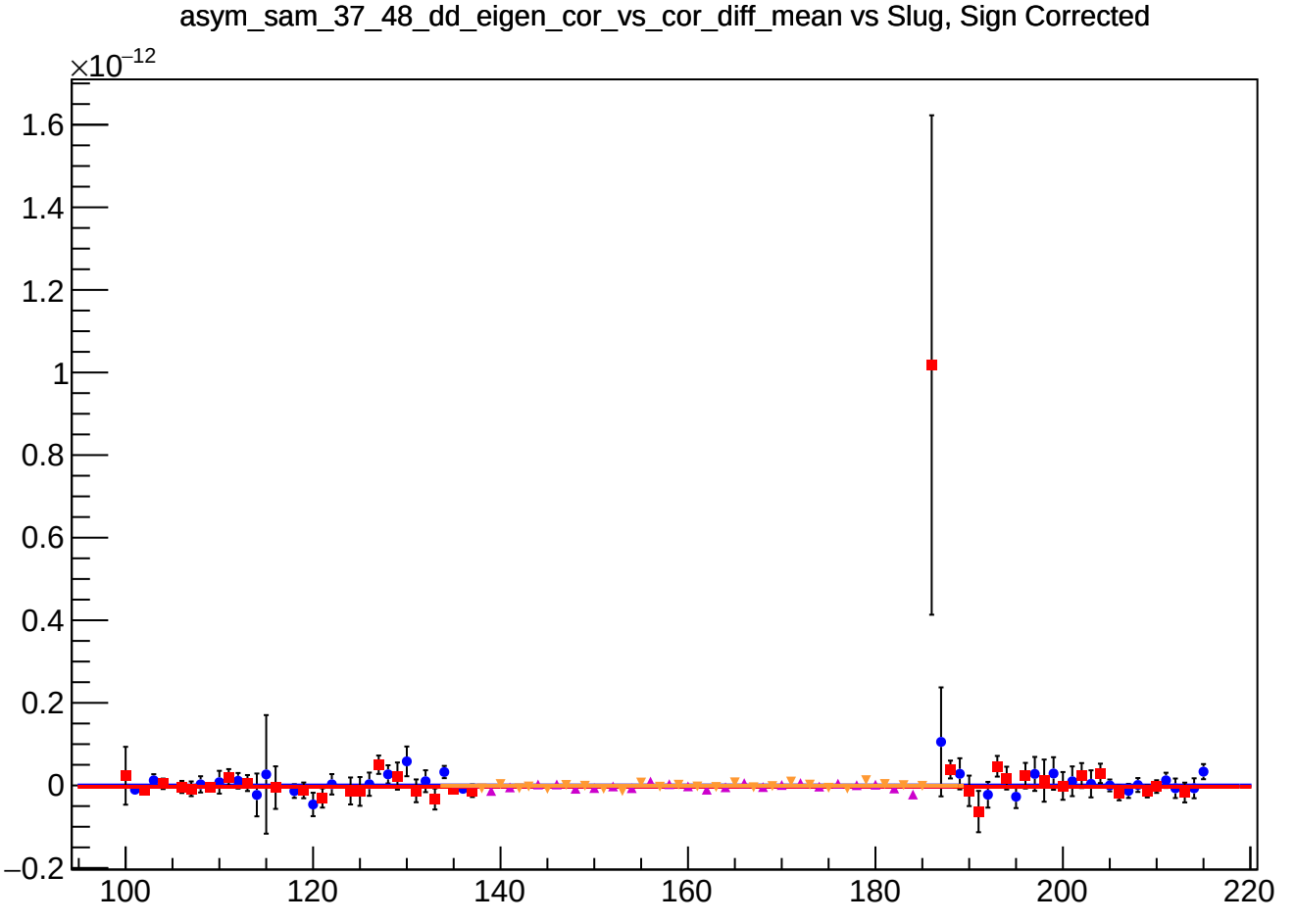
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.685+/-0.004 χ^2/NDF: 3805566.1/64

In: 31.618+/-0.004 χ^2/NDF:5209589.4/53

Out: 32.283+/-0.004 χ^2/NDF:6633721.4/58

All: 31.945+/-0.003 χ^2/NDF: 11857858.0/112



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/33

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

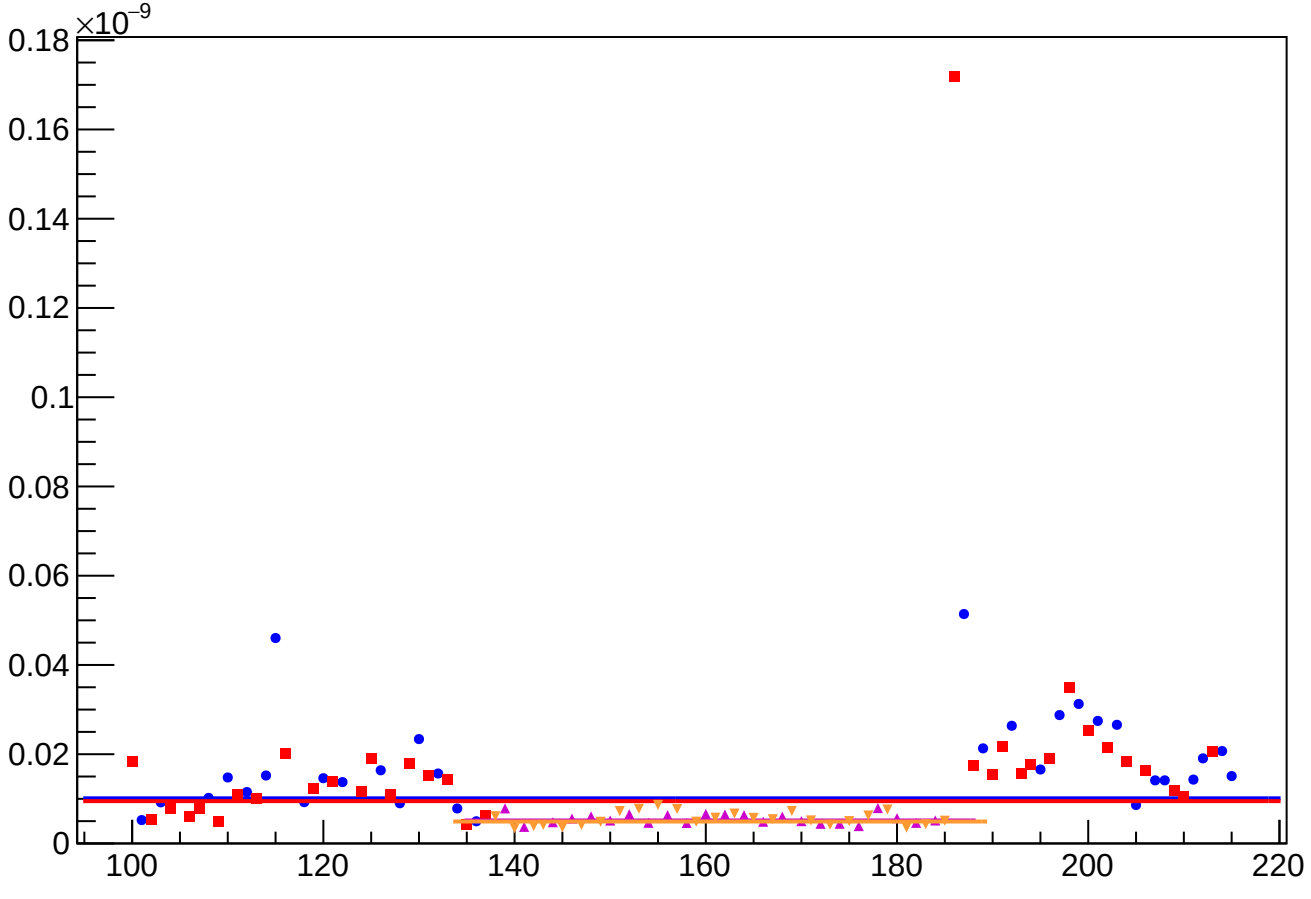
Right: -0.000+/-0.000 χ^2/NDF: 57.5/64

In: -0.000+/-0.000 χ^2/NDF:42.1/53

Out: -0.000+/-0.000 χ^2/NDF:47.2/58

All: -0.000+/-0.000 χ^2/NDF: 89.3/112

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7028737.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6153340.3/33

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

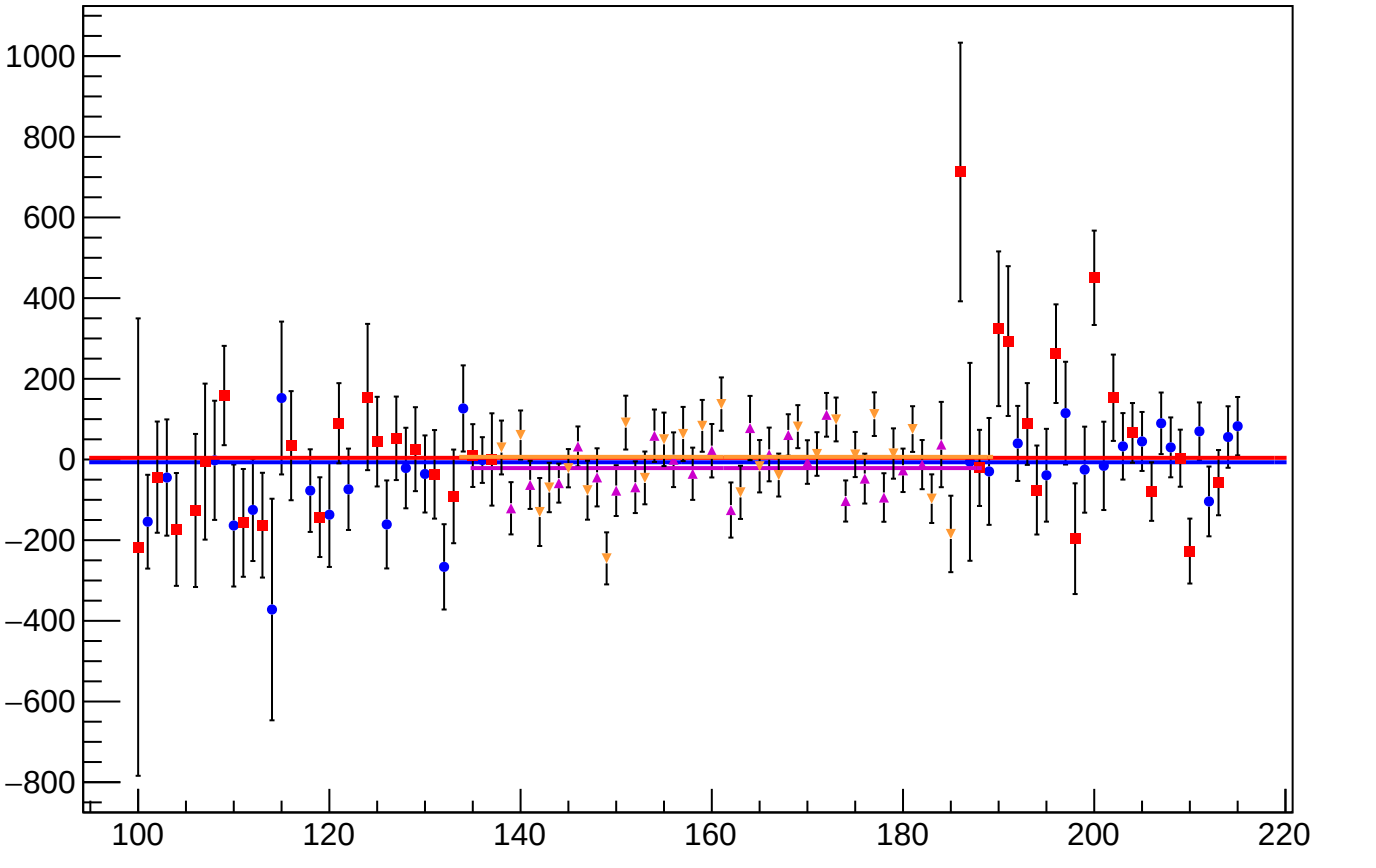
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13220628.1/64

In: 0.000+/-0.000 χ^2/NDF:11919523.8/53

Out: 0.000+/-0.000 χ^2/NDF:11526074.4/58

All: 0.000+/-0.000 χ^2/NDF: 23508831.0/112



Right In: -6.908+/-17.602 χ^2/NDF: 26.2/30

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 4.107+/-18.851 χ^2/NDF: 57.3/33

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

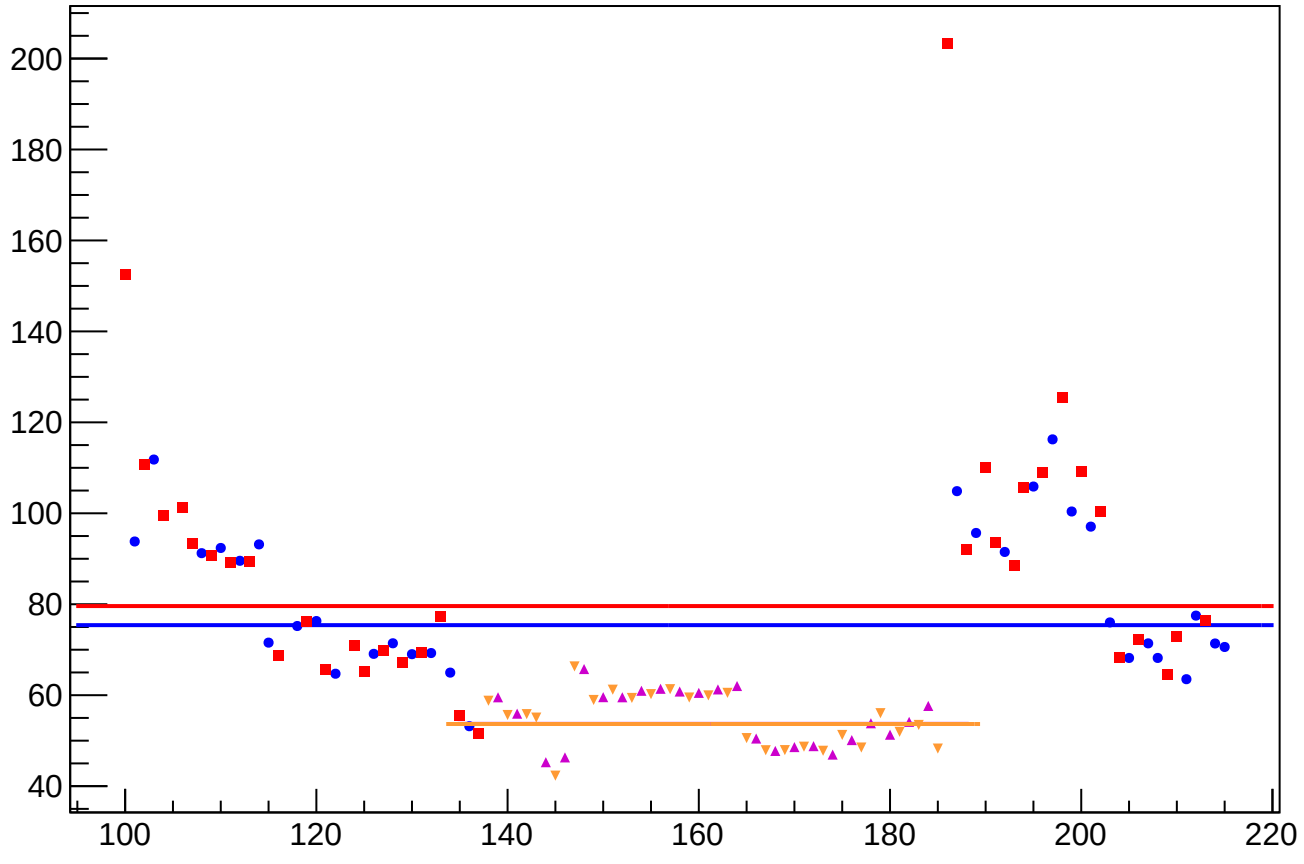
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -1.777+/-12.865 χ^2/NDF: 83.7/64

In: -16.422+/-10.272 χ^2/NDF:52.0/53

Out: 5.803+/-10.294 χ^2/NDF:107.9/58

All: -5.333+/-7.271 χ^2/NDF: 162.2/112



Right In: 75.404+/-0.012 χ^2/NDF: 1419372.4/30

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.599+/-0.013 χ^2/NDF: 1958773.2/33

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

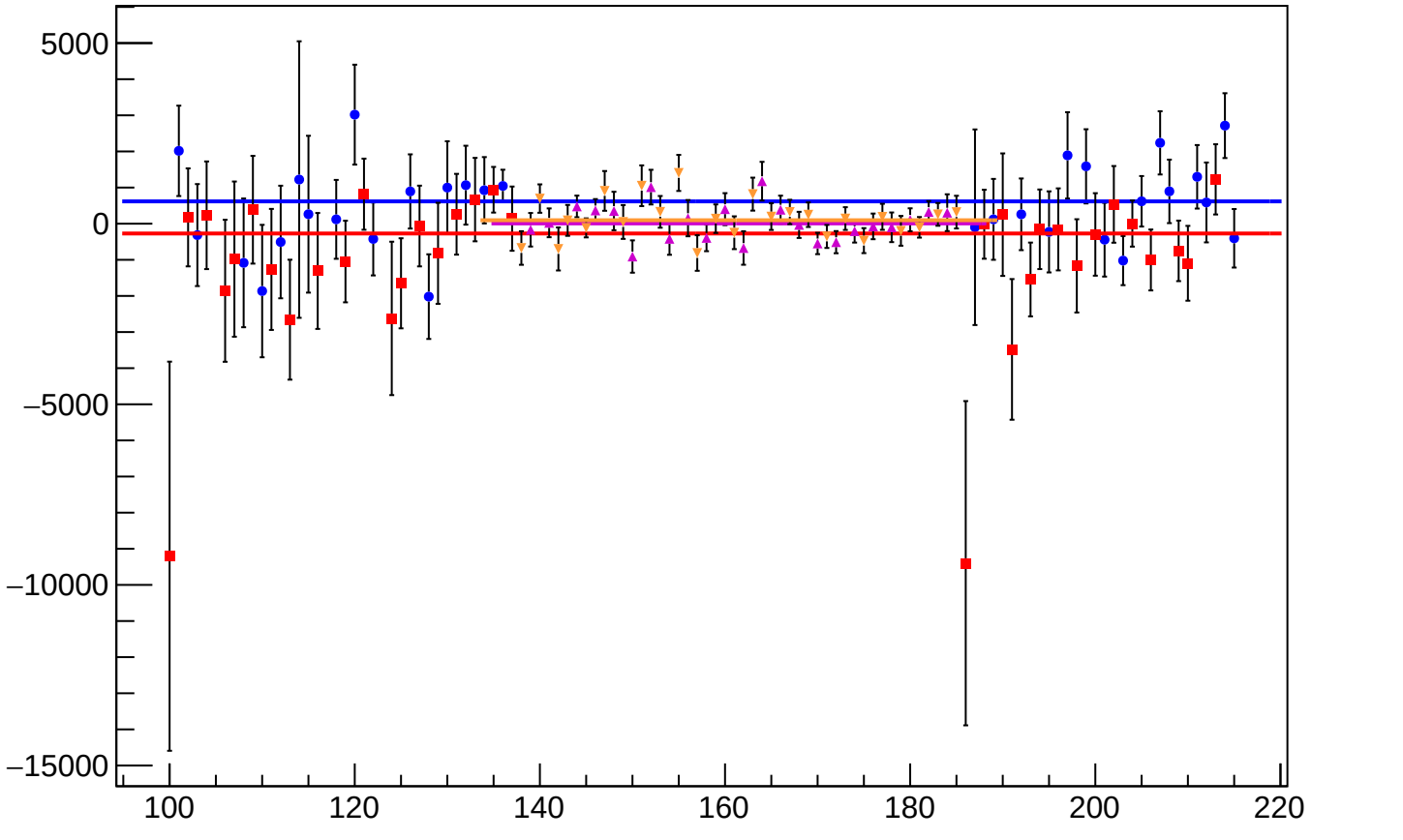
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.358+/-0.009 χ^2/NDF: 3431068.9/64

In: 61.088+/-0.007 χ^2/NDF:3896893.1/53

Out: 61.399+/-0.007 χ^2/NDF:5087659.0/58

All: 61.243+/-0.005 χ^2/NDF: 8985466.4/112



Right In: 617.675+/-179.362 χ^2/NDF: 36.8/30

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -271.509+/-195.308 χ^2/NDF: 29.8/33

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

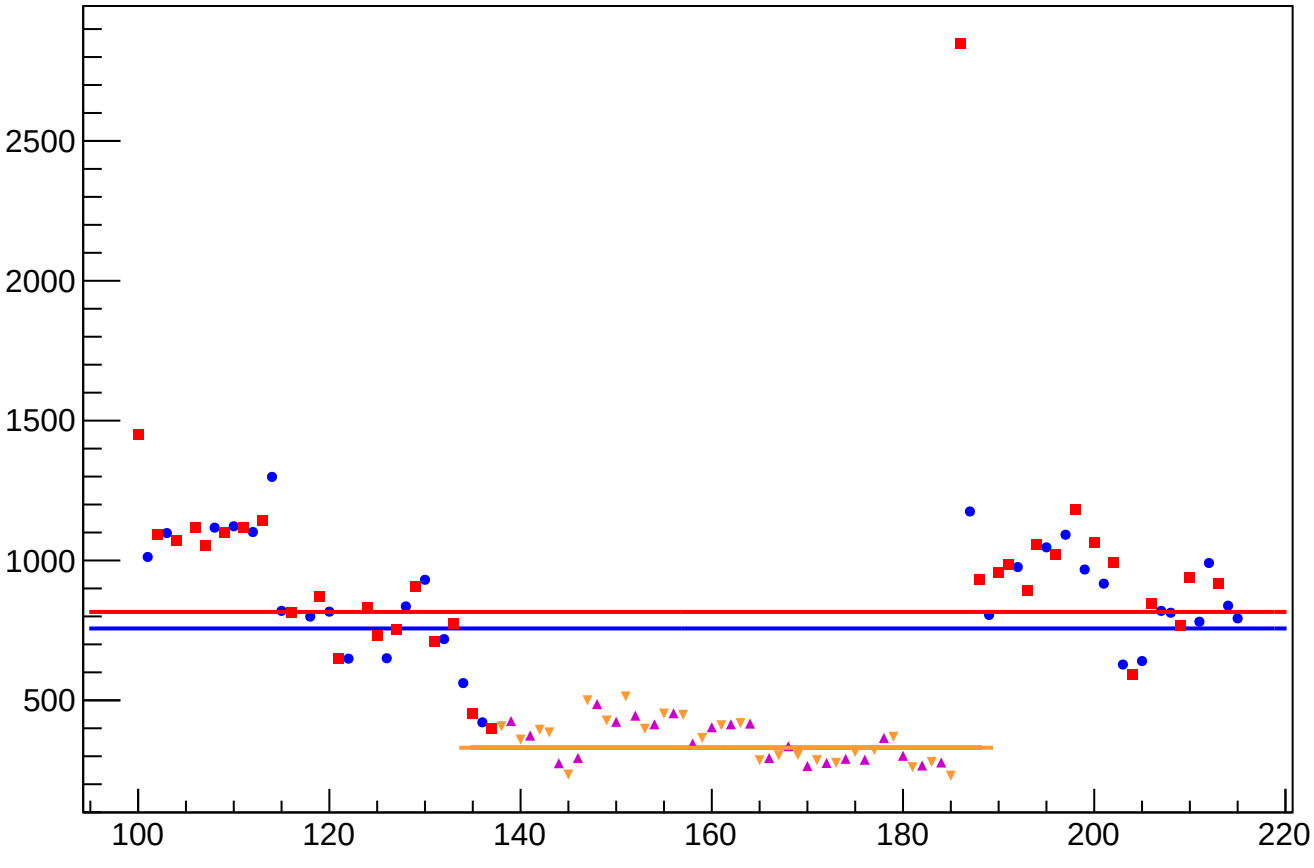
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 210.859+/-132.106 χ^2/NDF: 77.8/64

In: 107.220+/-72.394 χ^2/NDF:78.7/53

Out: 45.942+/-71.742 χ^2/NDF:66.0/58

All: 76.304+/-50.958 χ^2/NDF: 145.1/112



Right In: 756.919+/-0.127 χ^2/NDF: 2637966.4/30

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 816.012+/-0.138 χ^2/NDF: 2927735.3/33

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

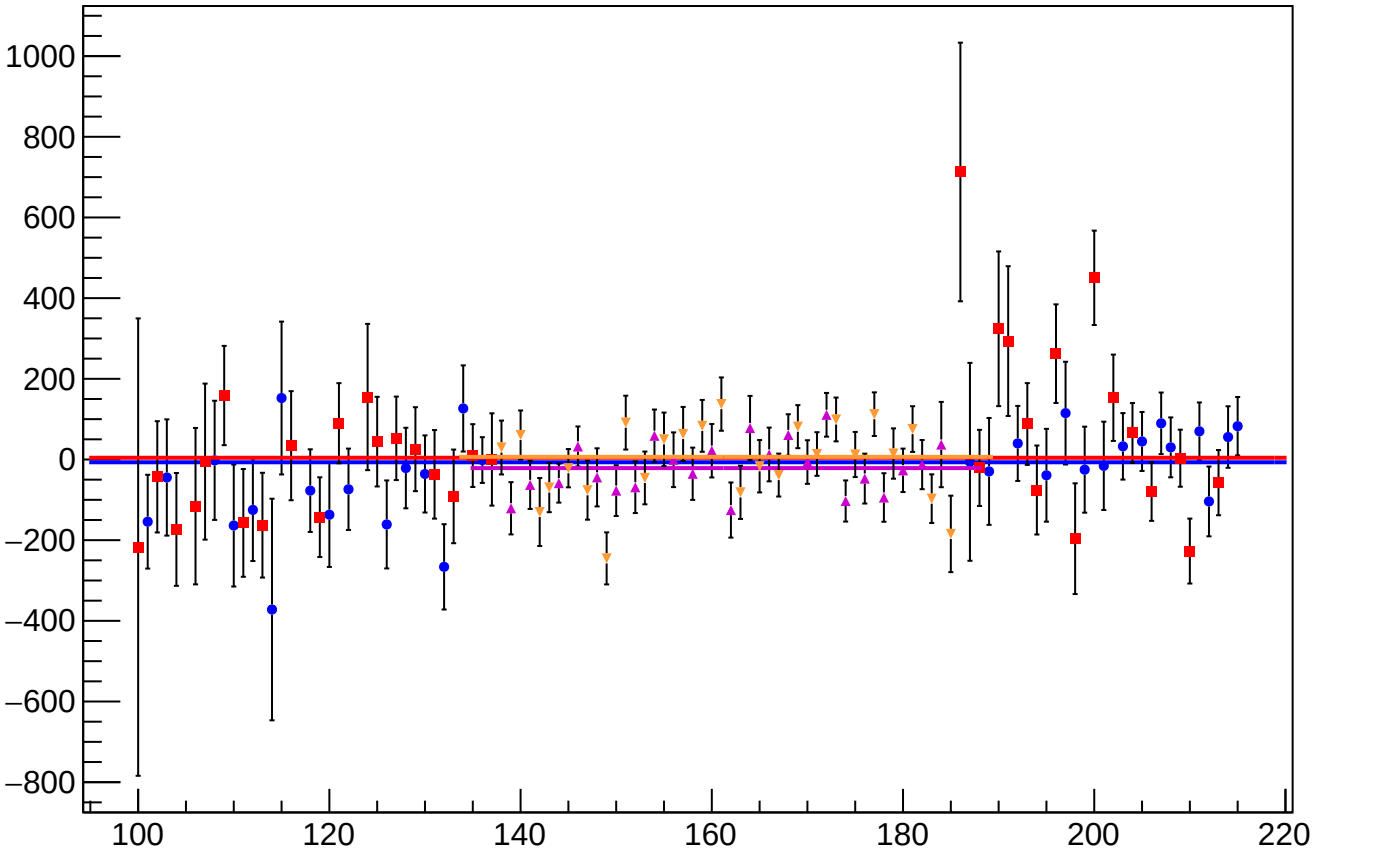
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 783.955+/-0.093 χ^2/NDF: 5665026.6/64

In: 400.435+/-0.051 χ^2/NDF:13401477.5/53

Out: 395.928+/-0.051 χ^2/NDF:15375927.3/58

All: 398.161+/-0.036 χ^2/NDF: 28781316.3/11



Right In: -6.902+/-17.602 χ^2/NDF: 26.2/30

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 4.279+/-18.855 χ^2/NDF: 57.2/33

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

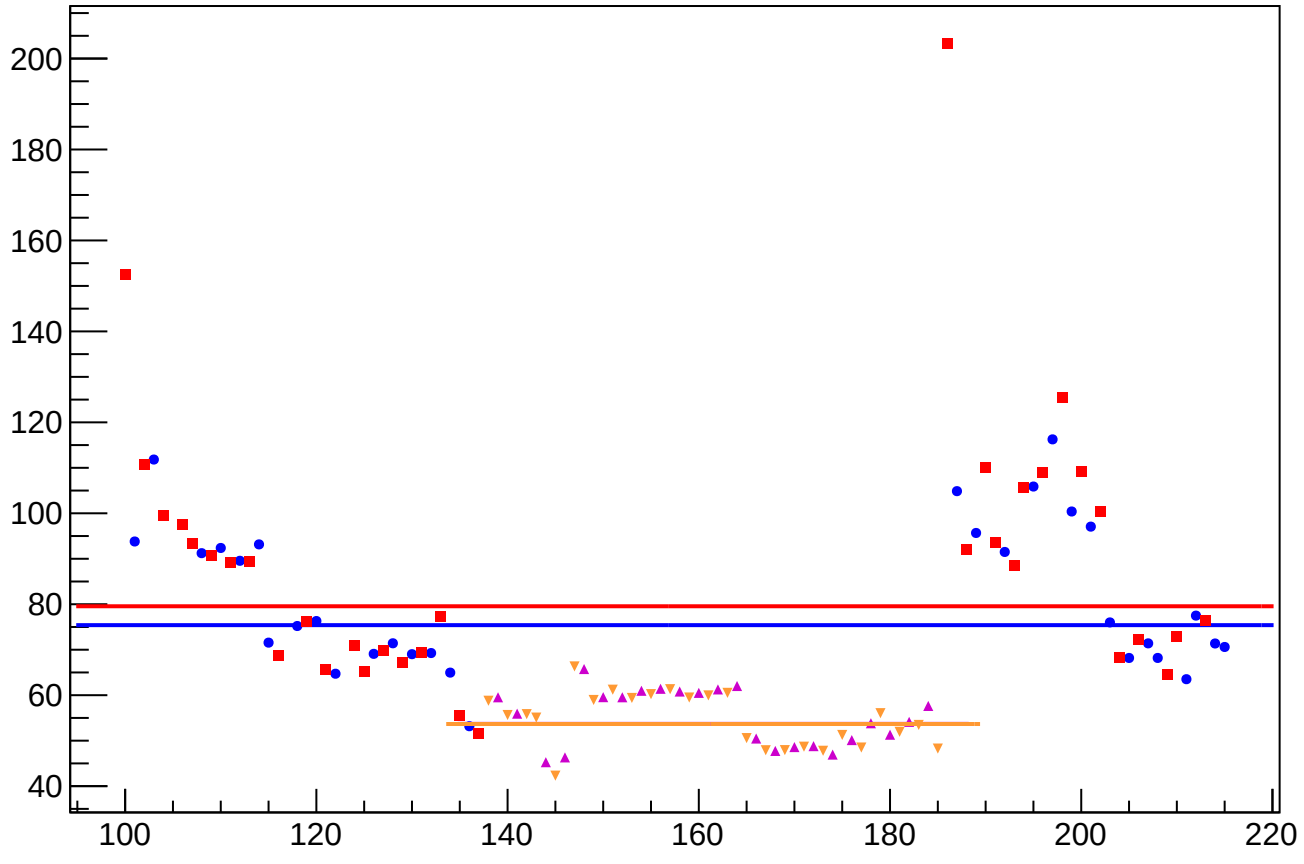
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -1.695+/-12.867 χ^2/NDF: 83.6/64

In: -16.420+/-10.272 χ^2/NDF:52.0/53

Out: 5.856+/-10.294 χ^2/NDF:107.8/58

All: -5.306+/-7.271 χ^2/NDF: 162.2/112



Right In: 75.404+/-0.012 χ^2/NDF: 1419374.8/30

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.556+/-0.013 χ^2/NDF: 1950177.2/33

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

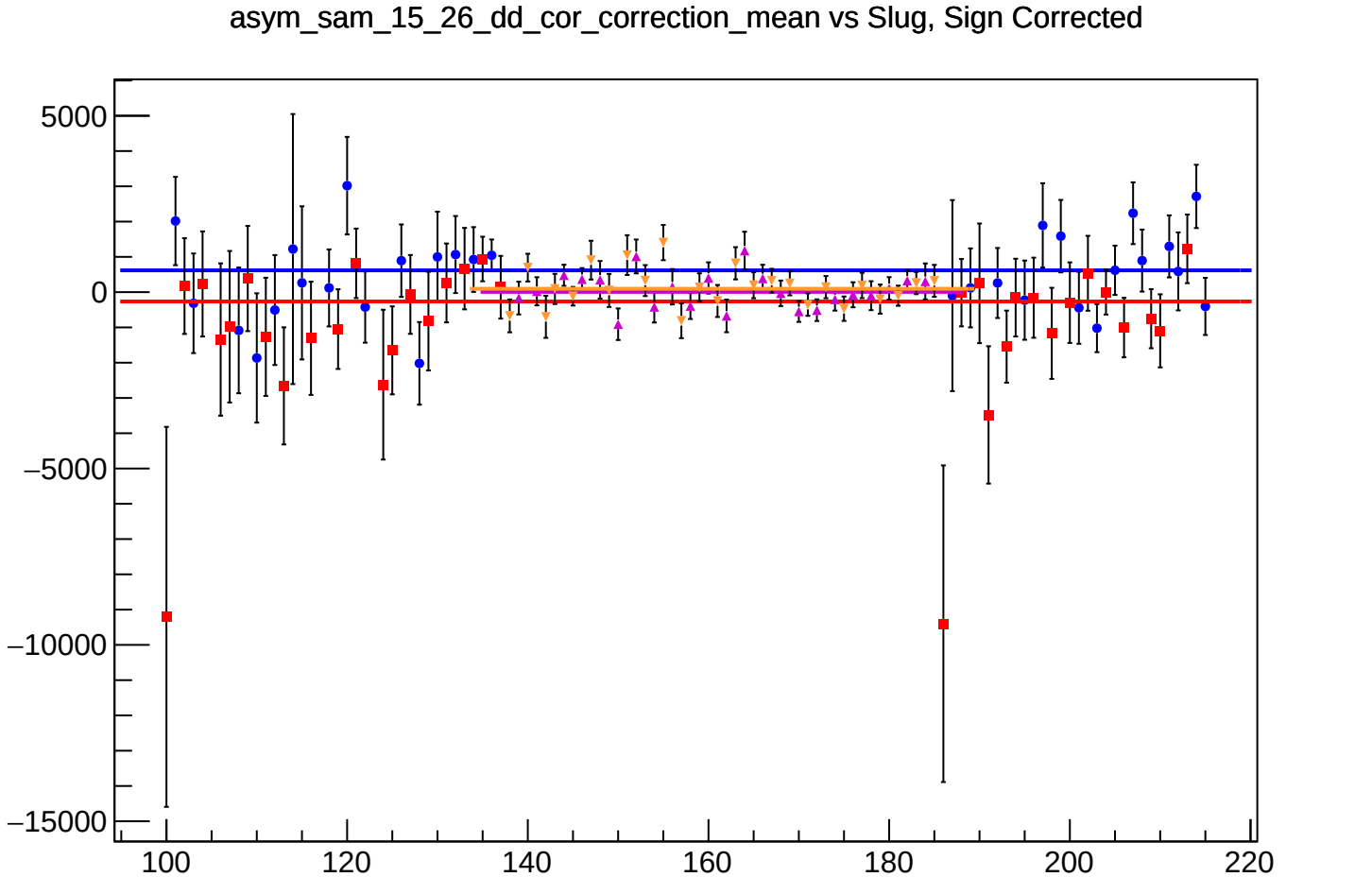
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 77.337+/-0.009 χ^2/NDF: 3421371.8/64

In: 61.088+/-0.007 χ^2/NDF:3896895.7/53

Out: 61.383+/-0.007 χ^2/NDF:5069346.8/58

All: 61.235+/-0.005 χ^2/NDF: 8967068.6/112



Right In: 617.673+/-179.362 χ^2/NDF: 36.8/30

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -264.682+/-195.476 χ^2/NDF: 29.4/33

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

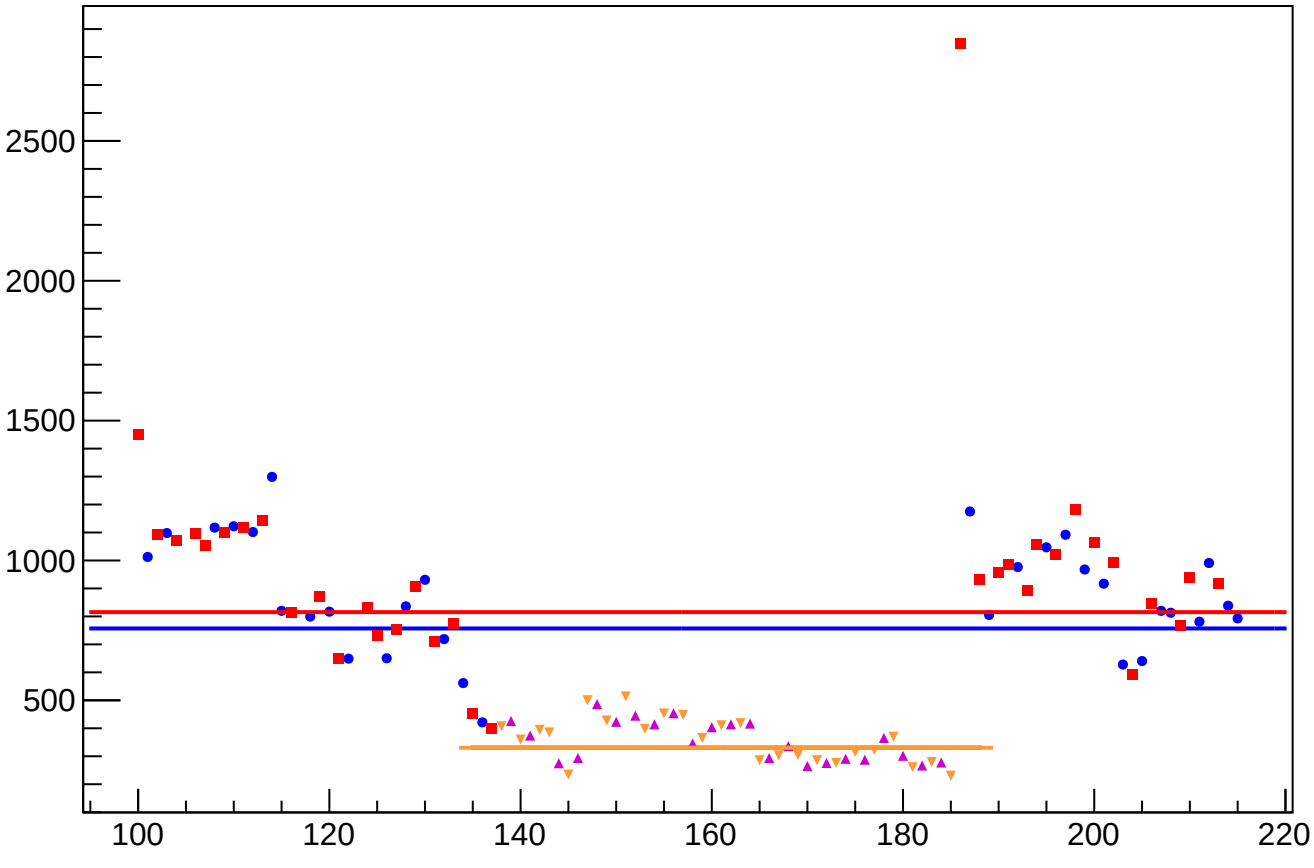
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 214.358+/-132.158 χ^2/NDF: 77.2/64

In: 107.216+/-72.394 χ^2/NDF:78.7/53

Out: 46.938+/-71.750 χ^2/NDF:65.5/58

All: 76.808+/-50.961 χ^2/NDF: 144.6/112



Right In: 756.919+/-0.127 χ^2/NDF: 2637989.2/30

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.321+/-0.138 χ^2/NDF: 2914237.2/33

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

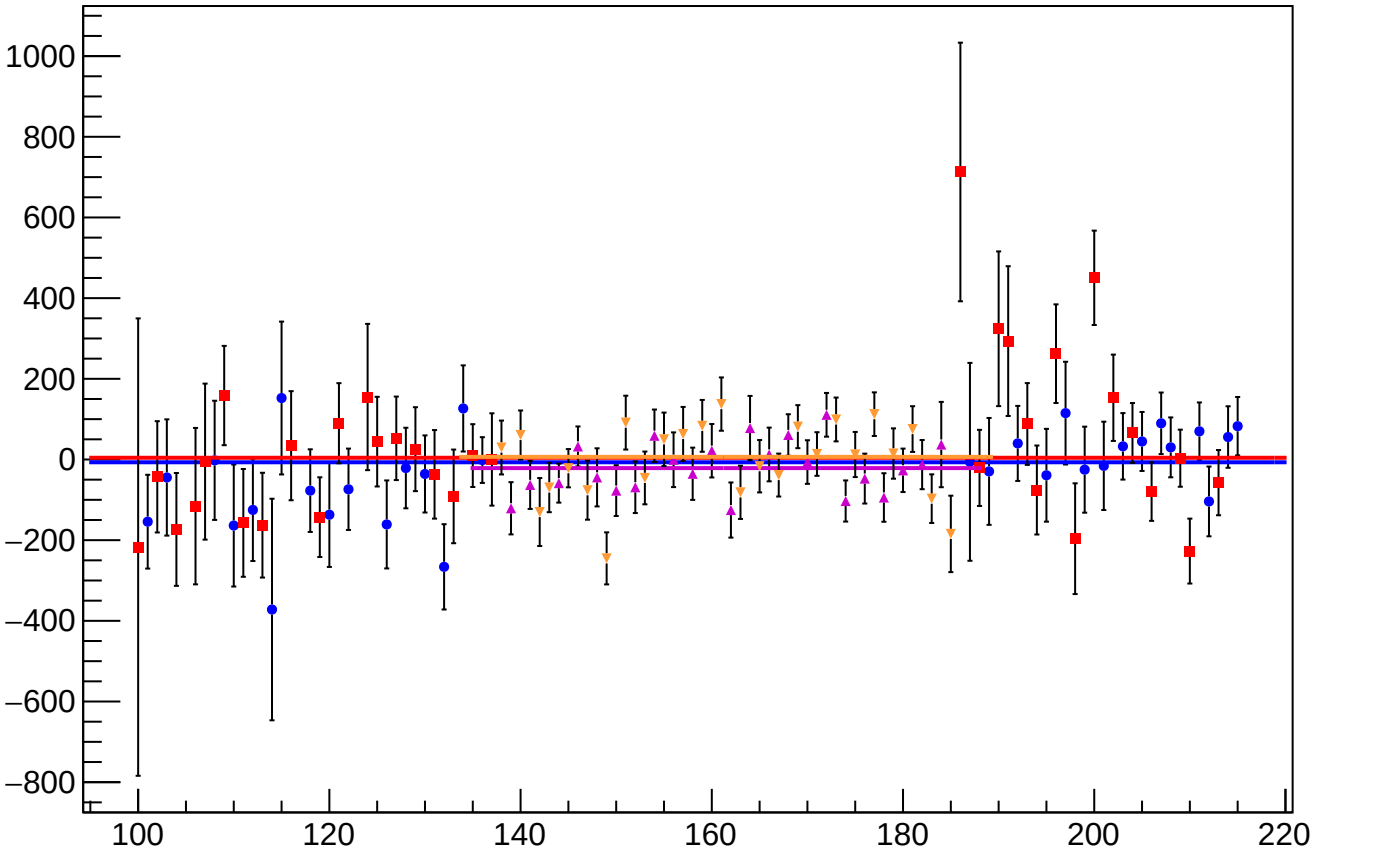
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 783.614+/-0.093 χ^2/NDF: 5649148.6/64

In: 400.435+/-0.051 χ^2/NDF:13401512.2/53

Out: 395.737+/-0.051 χ^2/NDF:15316121.9/58

All: 398.065+/-0.036 χ^2/NDF: 28721882.5/11



Right In: -6.902+/-17.602 χ^2/NDF: 26.2/30

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 4.279+/-18.855 χ^2/NDF: 57.2/33

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

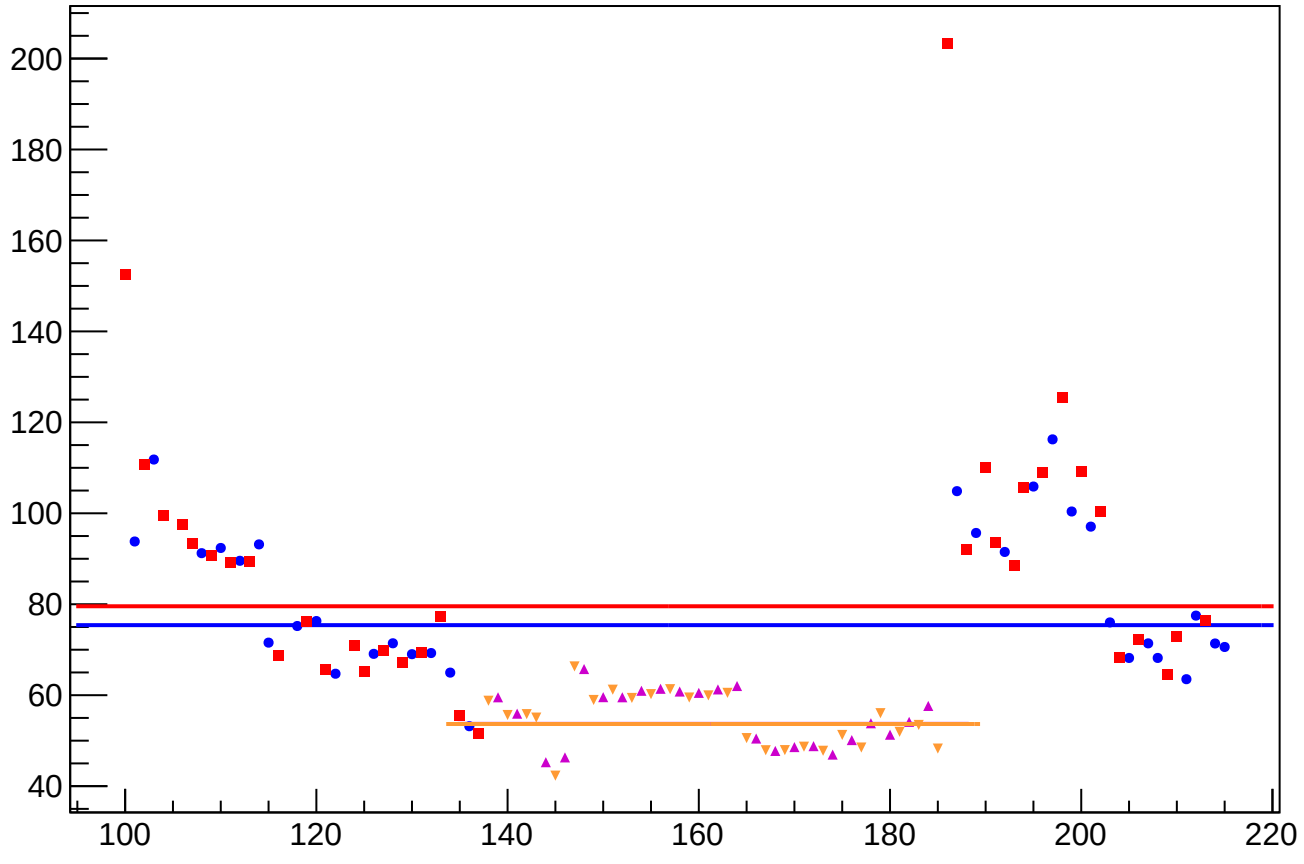
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -1.695+/-12.867 χ^2/NDF: 83.6/64

In: -16.420+/-10.272 χ^2/NDF:52.0/53

Out: 5.856+/-10.294 χ^2/NDF:107.8/58

All: -5.306+/-7.271 χ^2/NDF: 162.2/112



Right In: 75.404+/-0.012 χ^2/NDF: 1419374.8/30

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 79.556+/-0.013 χ^2/NDF: 1950177.2/33

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

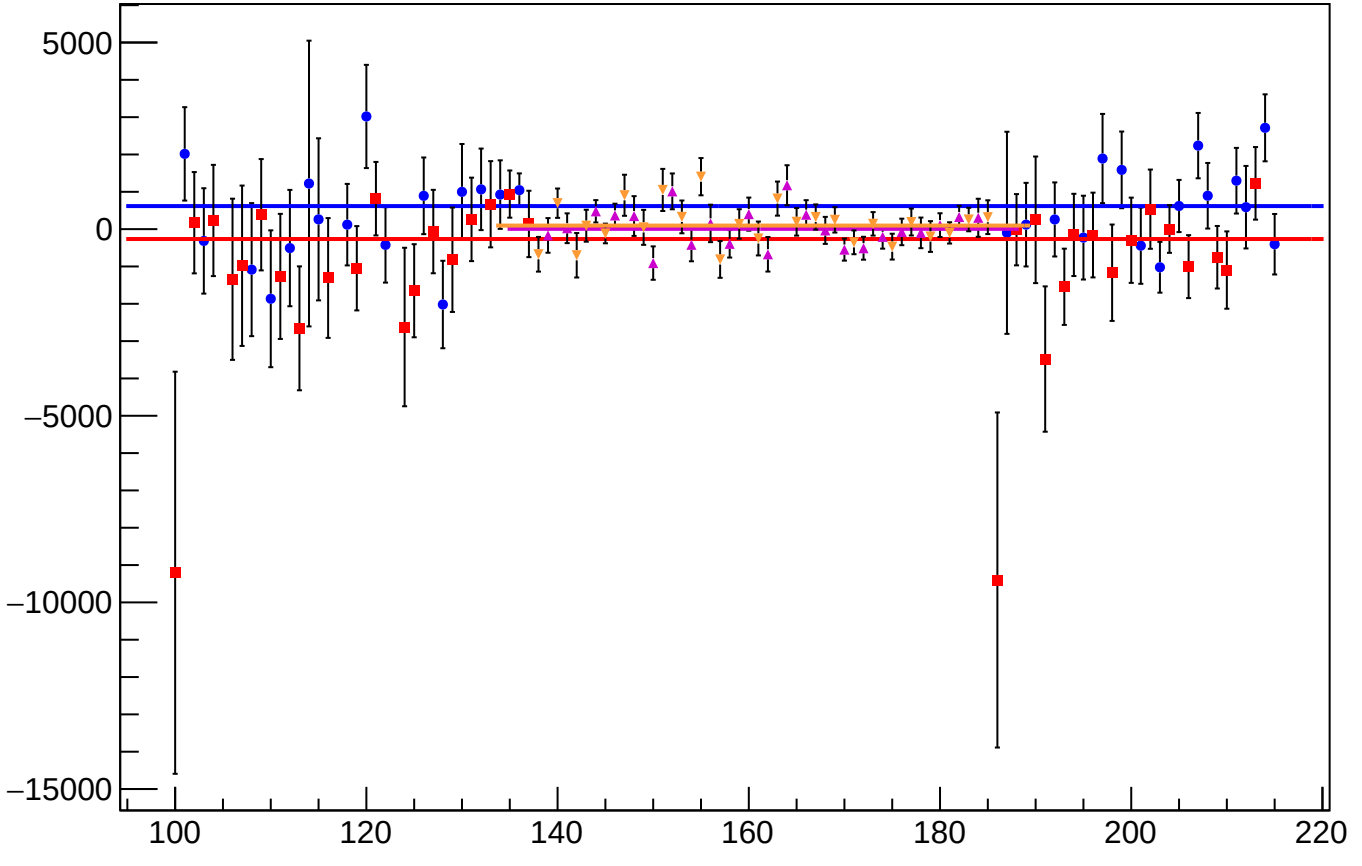
Right: 77.337+/-0.009 χ^2/NDF: 3421371.8/64

In: 61.088+/-0.007 χ^2/NDF:3896895.7/53

Out: 61.383+/-0.007 χ^2/NDF:5069346.8/58

All: 61.235+/-0.005 χ^2/NDF: 8967068.6/112

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 617.673+/-179.362 χ^2/NDF: 36.8/30

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -264.682+/-195.476 χ^2/NDF: 29.4/33

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

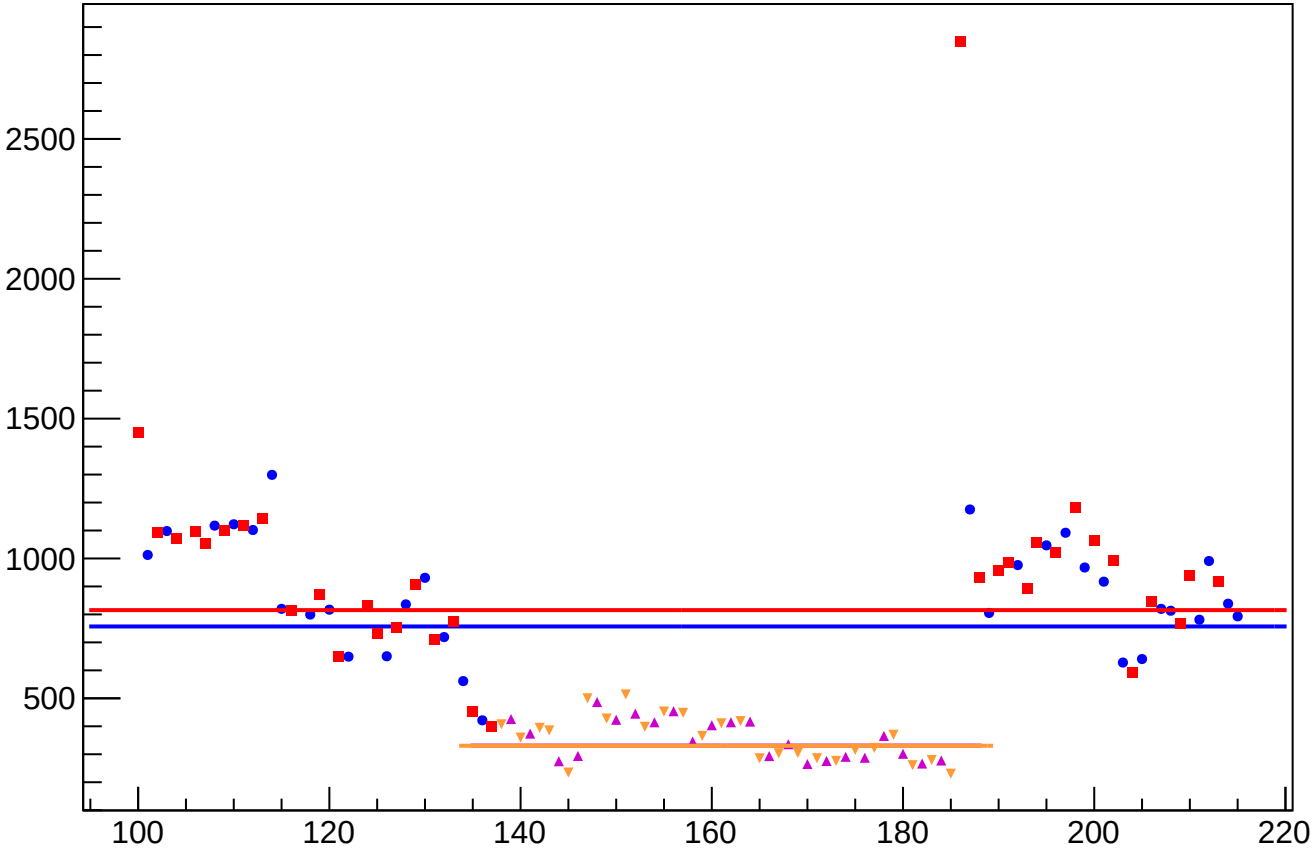
Right: 214.358+/-132.158 χ^2/NDF: 77.2/64

In: 107.216+/-72.394 χ^2/NDF:78.7/53

Out: 46.938+/-71.750 χ^2/NDF:65.5/58

All: 76.808+/-50.961 χ^2/NDF: 144.6/112

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 756.919+/-0.127 χ^2/NDF: 2637989.2/30

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.321+/-0.138 χ^2/NDF: 2914237.2/33

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

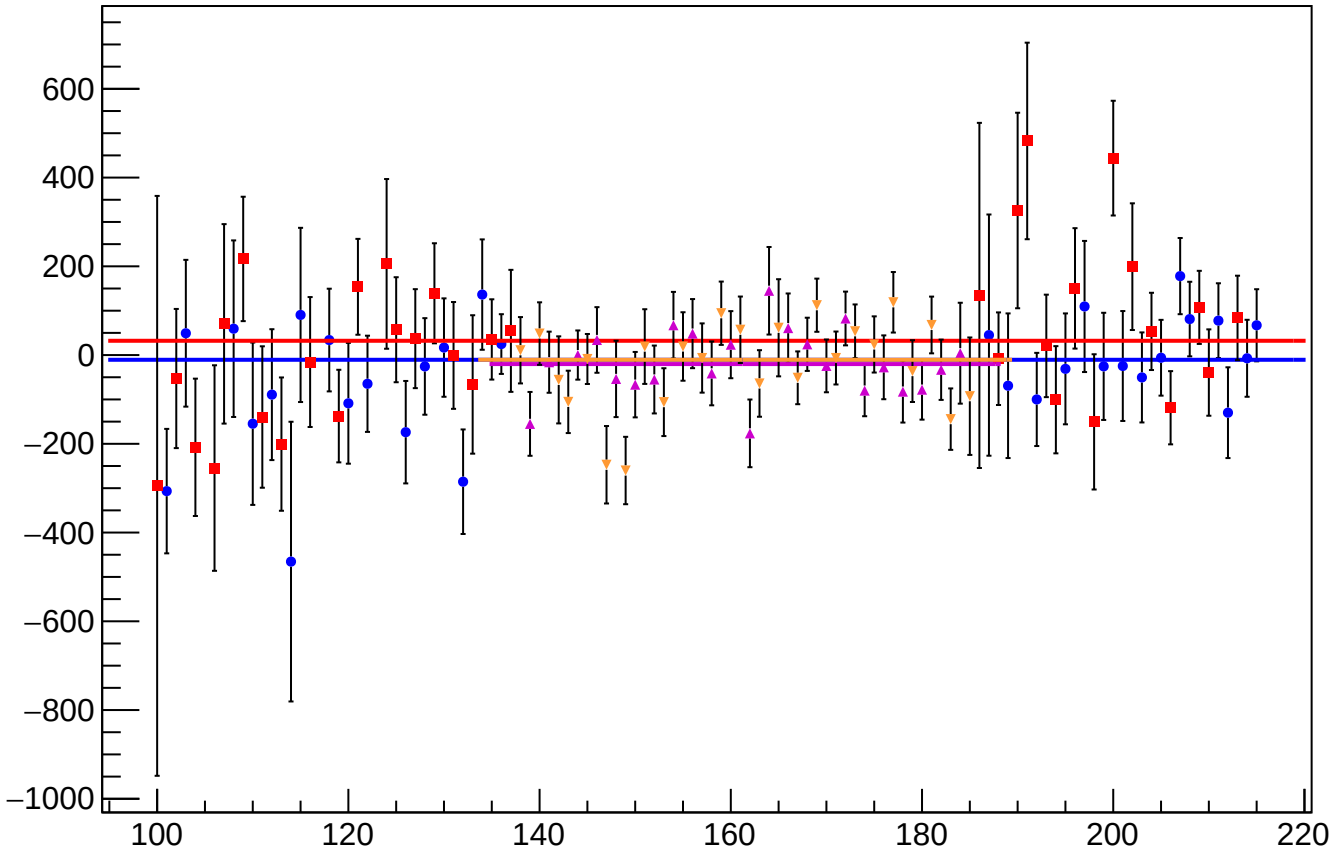
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 783.614+/-0.093 χ^2/NDF: 5649148.6/64

In: 400.435+/-0.051 χ^2/NDF:13401512.2/53

Out: 395.737+/-0.051 χ^2/NDF:15316121.9/58

All: 398.065+/-0.036 χ^2/NDF: 28721882.5/1



Right In: -10.621+/-20.185 χ^2/NDF: 29.2/30

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 32.213+/-21.536 χ^2/NDF: 42.2/33

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

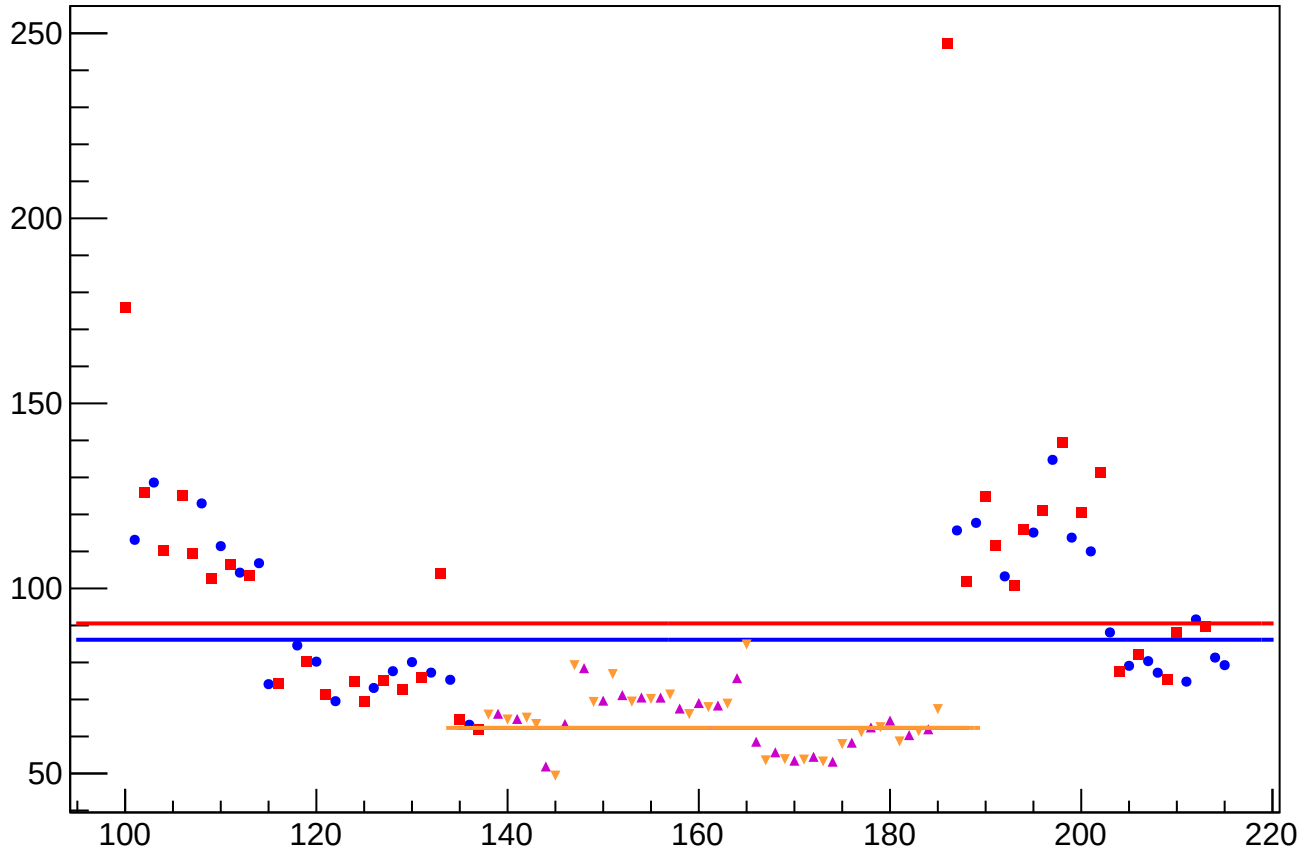
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 9.411+/-14.727 χ^2/NDF: 73.6/64

In: -16.935+/-11.909 χ^2/NDF:51.1/53

Out: 2.505+/-11.919 χ^2/NDF:87.2/58

All: -7.223+/-8.425 χ^2/NDF: 139.6/112



Right In: 86.139+/-0.014 χ^2/NDF: 1475693.8/30

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 90.544+/-0.015 χ^2/NDF: 2077555.1/33

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

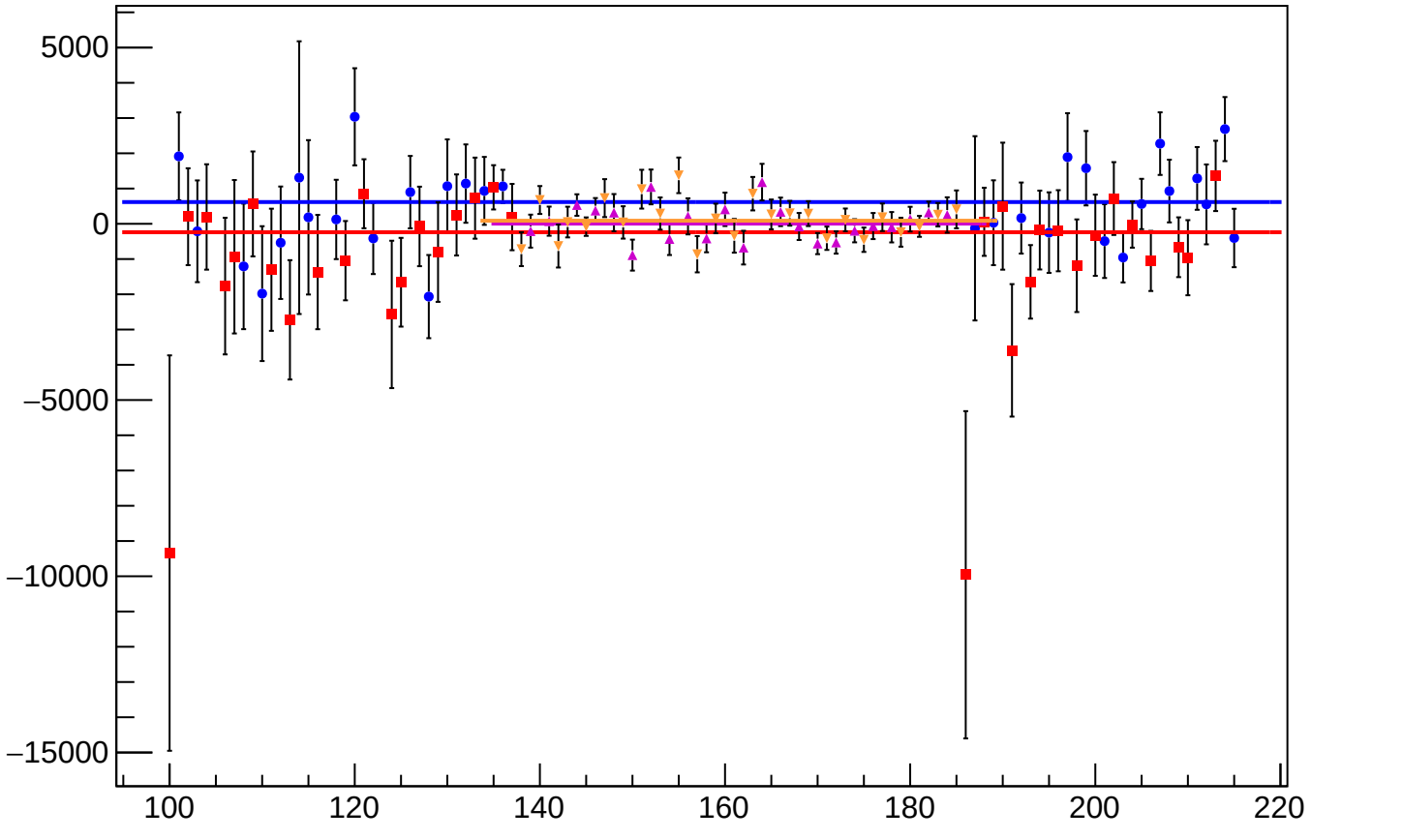
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 88.199+/-0.010 χ^2/NDF: 3597789.8/64

In: 70.605+/-0.008 χ^2/NDF:3777222.6/53

Out: 70.963+/-0.008 χ^2/NDF:5097425.6/58

All: 70.784+/-0.006 χ^2/NDF: 8875550.2/112



Right In: 617.433+/-183.912 χ^2/NDF: 35.7/30

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -238.959+/-197.722 χ^2/NDF: 31.9/33

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

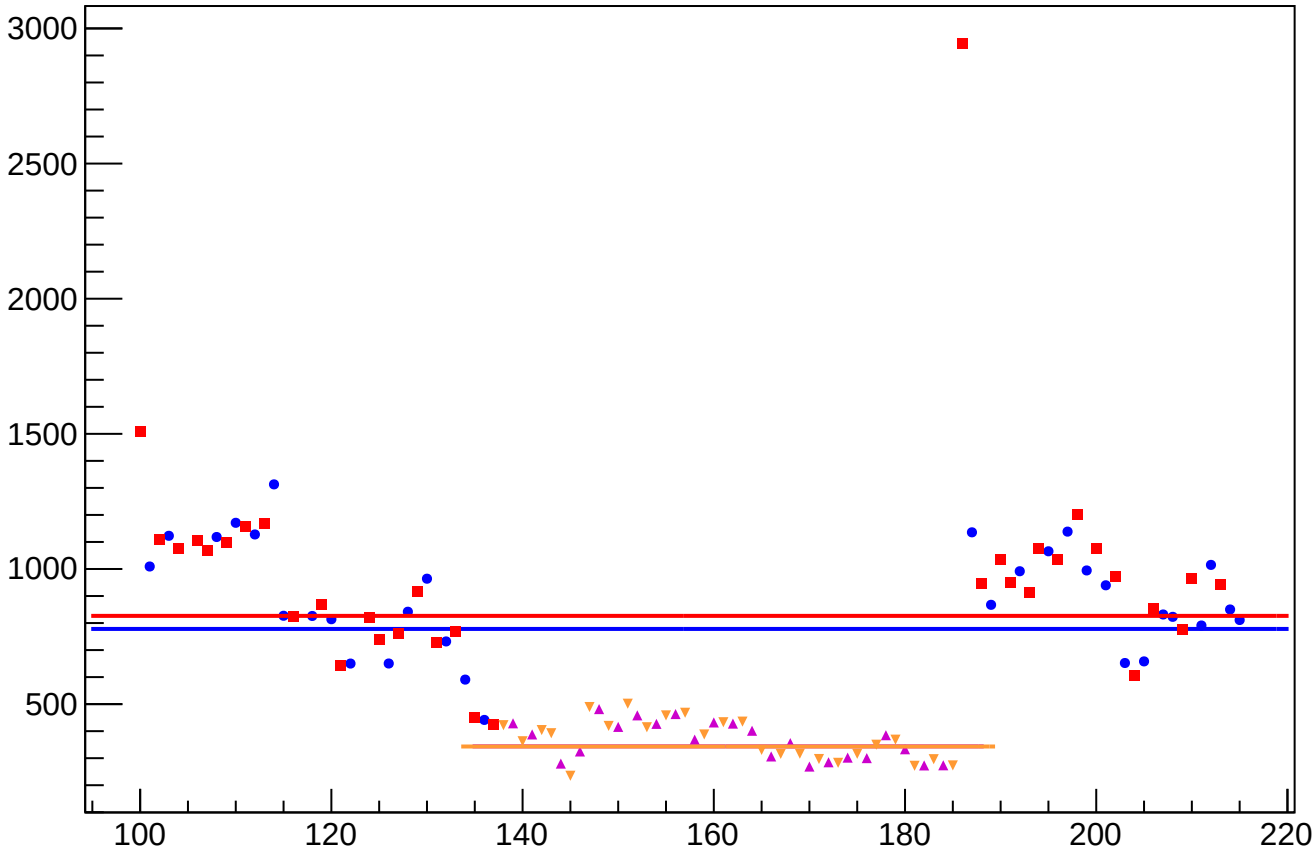
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 220.187+/-134.663 χ^2/NDF: 77.6/64

In: 108.036+/-74.977 χ^2/NDF:77.4/53

Out: 41.293+/-74.029 χ^2/NDF:65.8/58

All: 74.240+/-52.679 χ^2/NDF: 143.6/112



Right In: 778.207+/-0.130 χ^2/NDF: 2493179.5/30

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 826.521+/-0.140 χ^2/NDF: 2914870.6/33

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

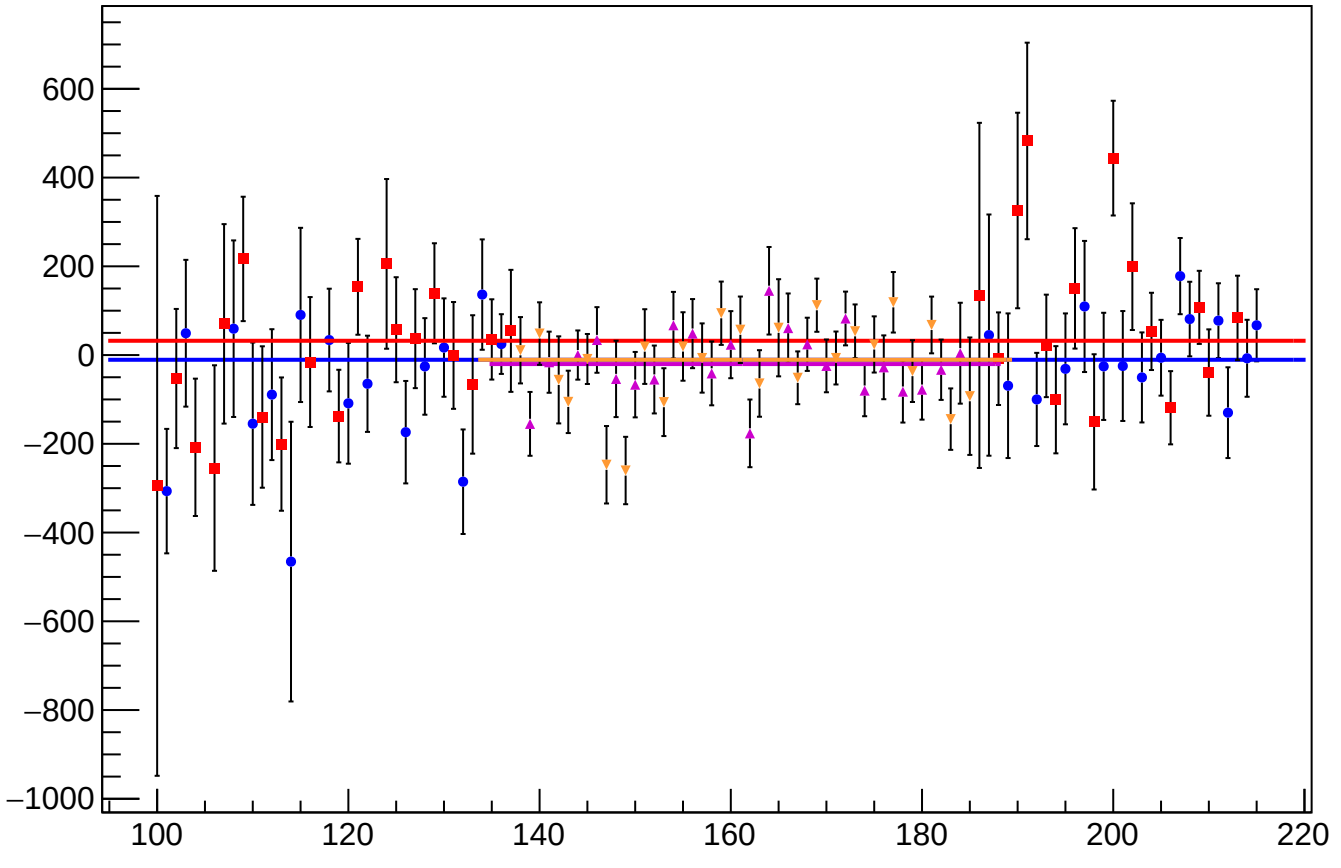
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 800.618+/-0.095 χ^2/NDF: 5472075.7/64

In: 415.930+/-0.053 χ^2/NDF:13058965.7/53

Out: 410.975+/-0.052 χ^2/NDF:14784551.4/58

All: 413.421+/-0.037 χ^2/NDF: 27847940.0/1



Right In: -10.622+/-20.185 χ^2/NDF: 29.2/30

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 32.213+/-21.535 χ^2/NDF: 42.2/33

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

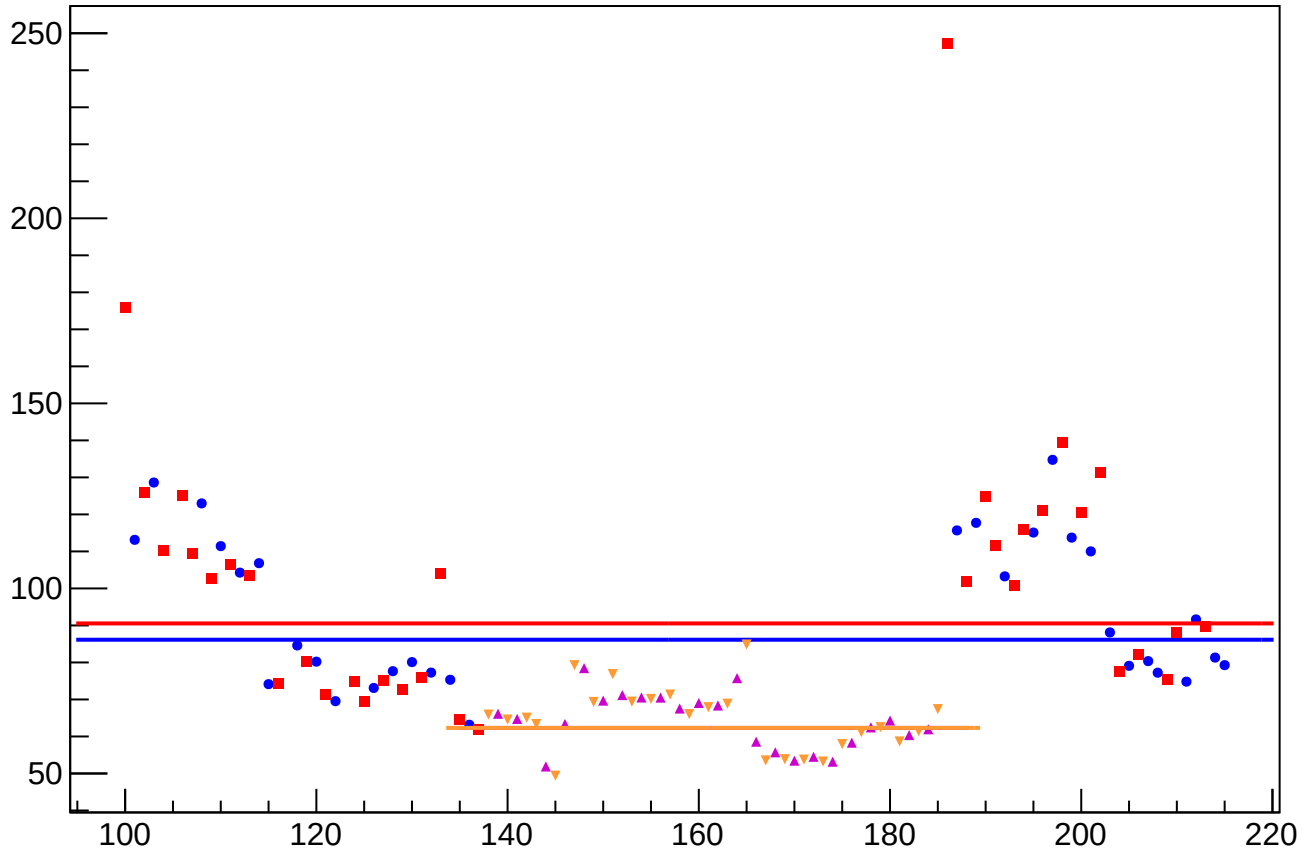
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 9.410+/-14.727 χ^2/NDF: 73.6/64

In: -16.935+/-11.909 χ^2/NDF:51.1/53

Out: 2.505+/-11.919 χ^2/NDF:87.2/58

All: -7.223+/-8.425 χ^2/NDF: 139.6/112



Right In: 86.139+/-0.014 χ^2/NDF: 1475705.9/30

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 90.544+/-0.015 χ^2/NDF: 2077548.6/33

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

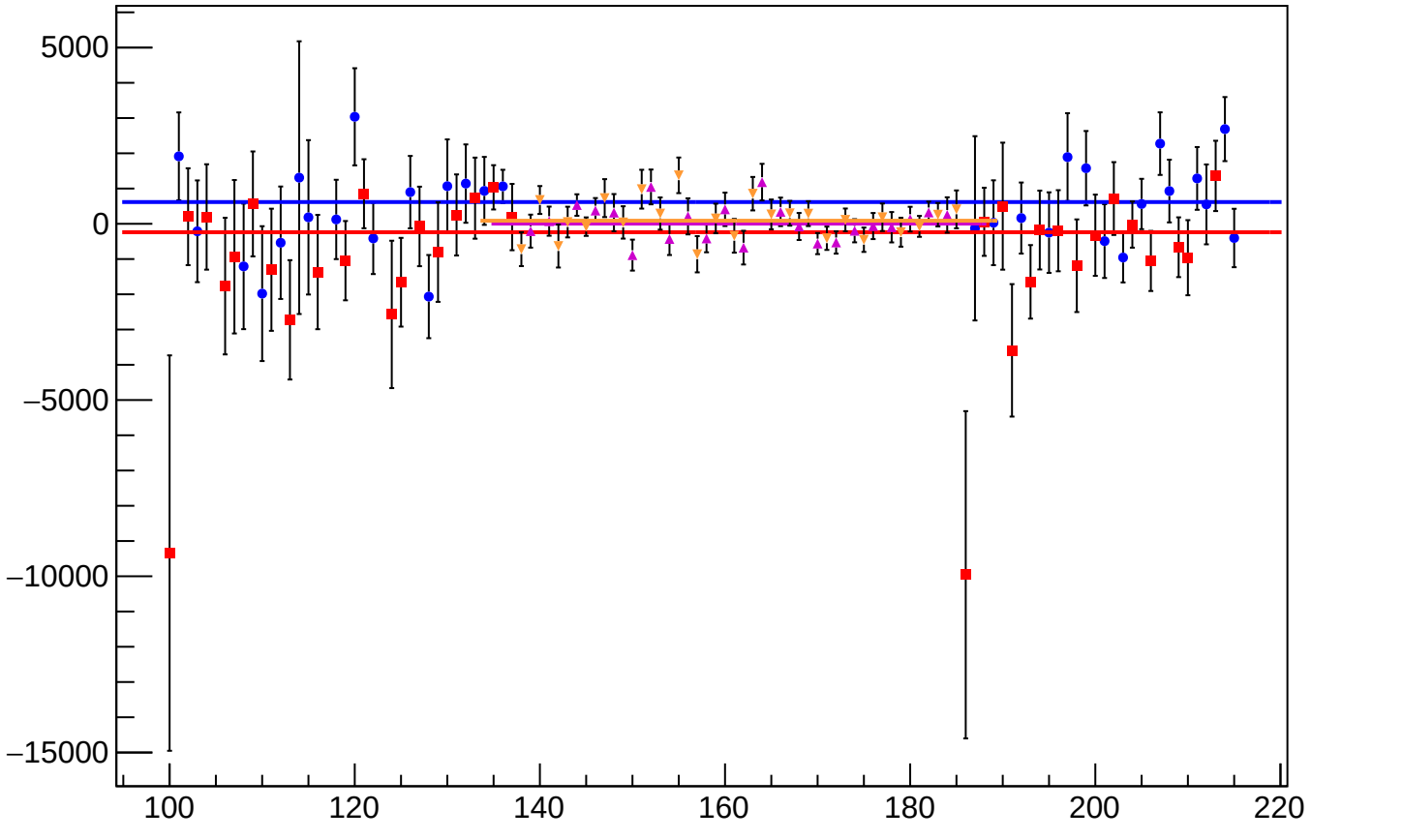
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 88.199+/-0.010 χ^2/NDF: 3597797.2/64

In: 70.605+/-0.008 χ^2/NDF:3777173.9/53

Out: 70.963+/-0.008 χ^2/NDF:5097394.7/58

All: 70.784+/-0.006 χ^2/NDF: 8875470.2/112



Right In: 617.433+/-183.912 χ^2/NDF: 35.7/30

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -238.959+/-197.722 χ^2/NDF: 31.9/33

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

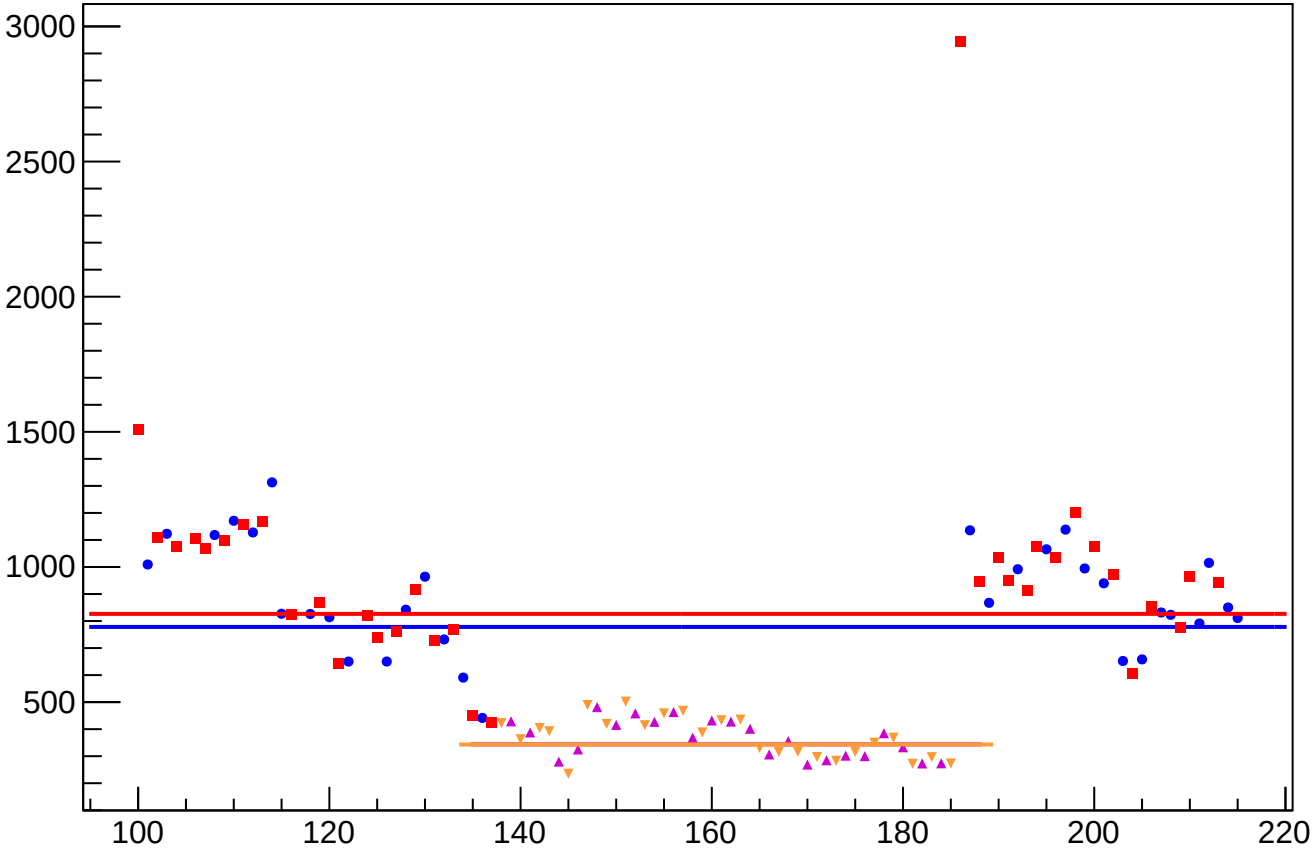
Right: 220.186+/-134.663 χ^2/NDF: 77.6/64

In: 108.036+/-74.977 χ^2/NDF:77.4/53

Out: 41.293+/-74.029 χ^2/NDF:65.8/58

All: 74.240+/-52.679 χ^2/NDF: 143.6/112

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 778.207+/-0.130 χ^2/NDF: 2493166.8/30

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 826.522+/-0.140 χ^2/NDF: 2914859.7/33

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

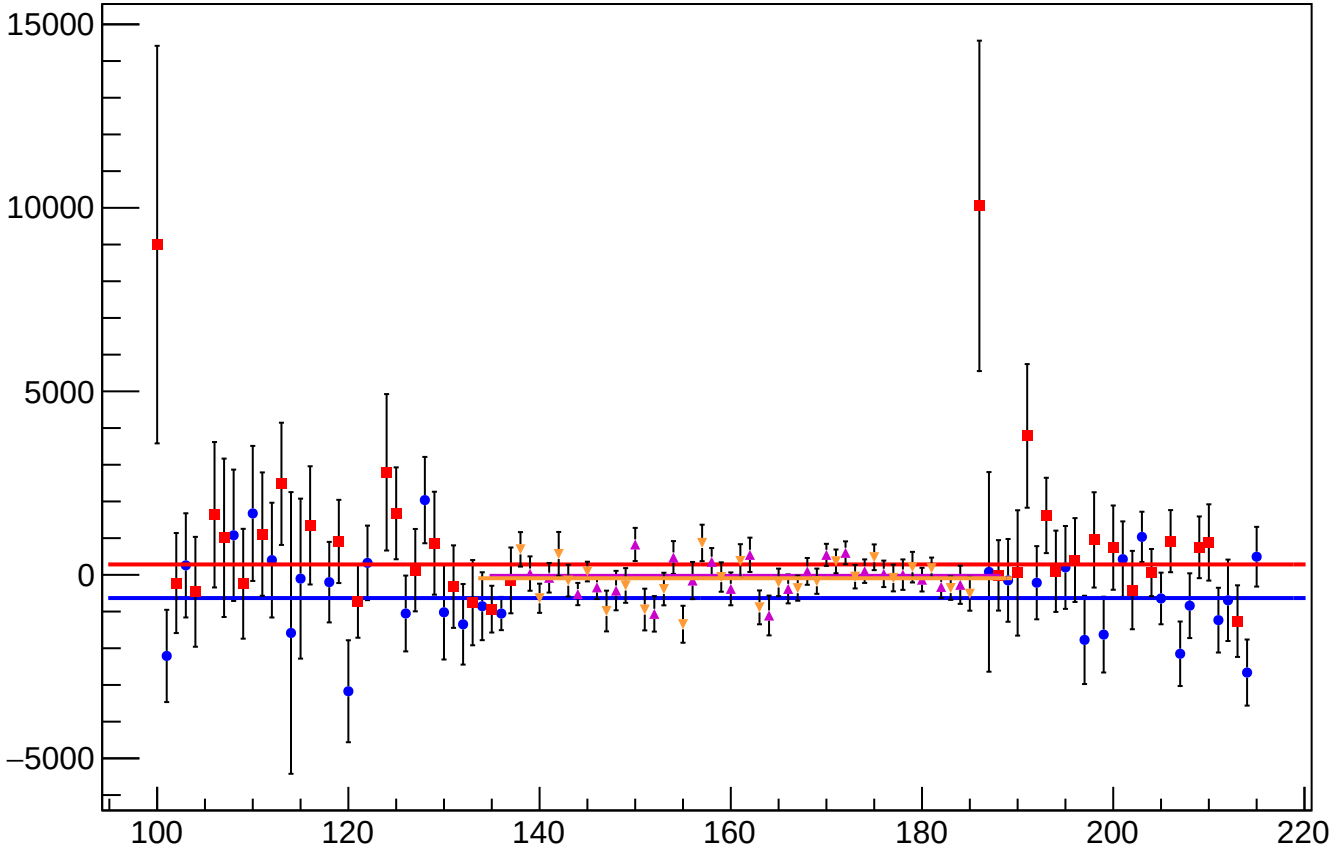
Right: 800.618+/-0.095 χ^2/NDF: 5472051.8/64

In: 415.930+/-0.053 χ^2/NDF:13058965.4/53

Out: 410.975+/-0.052 χ^2/NDF:14784562.4/58

All: 413.421+/-0.037 χ^2/NDF: 27847951.0/1

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -632.476+/-180.383 χ^2/NDF: 36.4/30

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 283.763+/-196.350 χ^2/NDF: 29.7/33

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

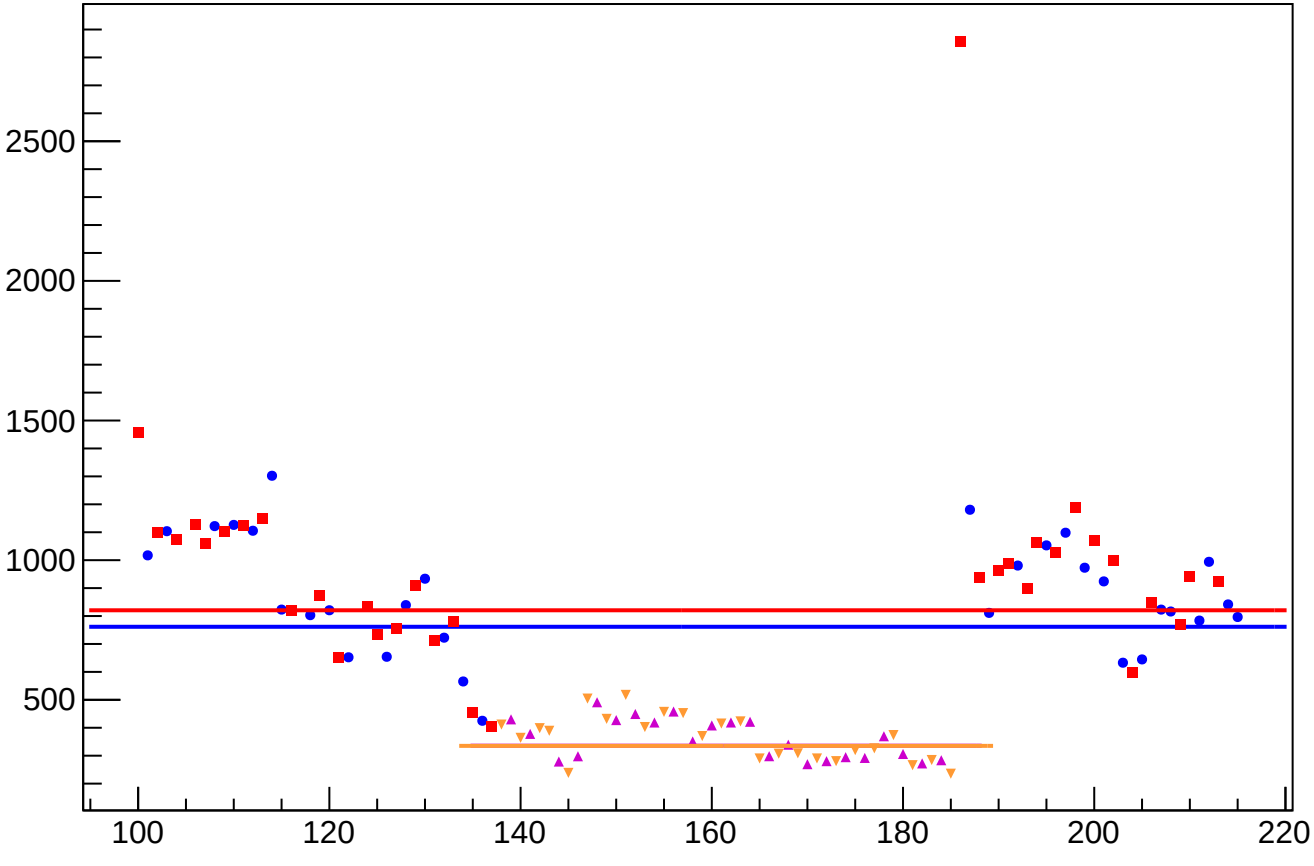
Right: -213.119+/-132.837 χ^2/NDF: 77.9/64

In: -127.094+/-73.289 χ^2/NDF:76.7/53

Out: -41.154+/-72.638 χ^2/NDF:67.0/58

All: -83.741+/-51.591 χ^2/NDF: 144.5/112

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 761.539+/-0.128 χ^2/NDF: 2611761.3/30

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 820.597+/-0.139 χ^2/NDF: 2909911.7/33

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

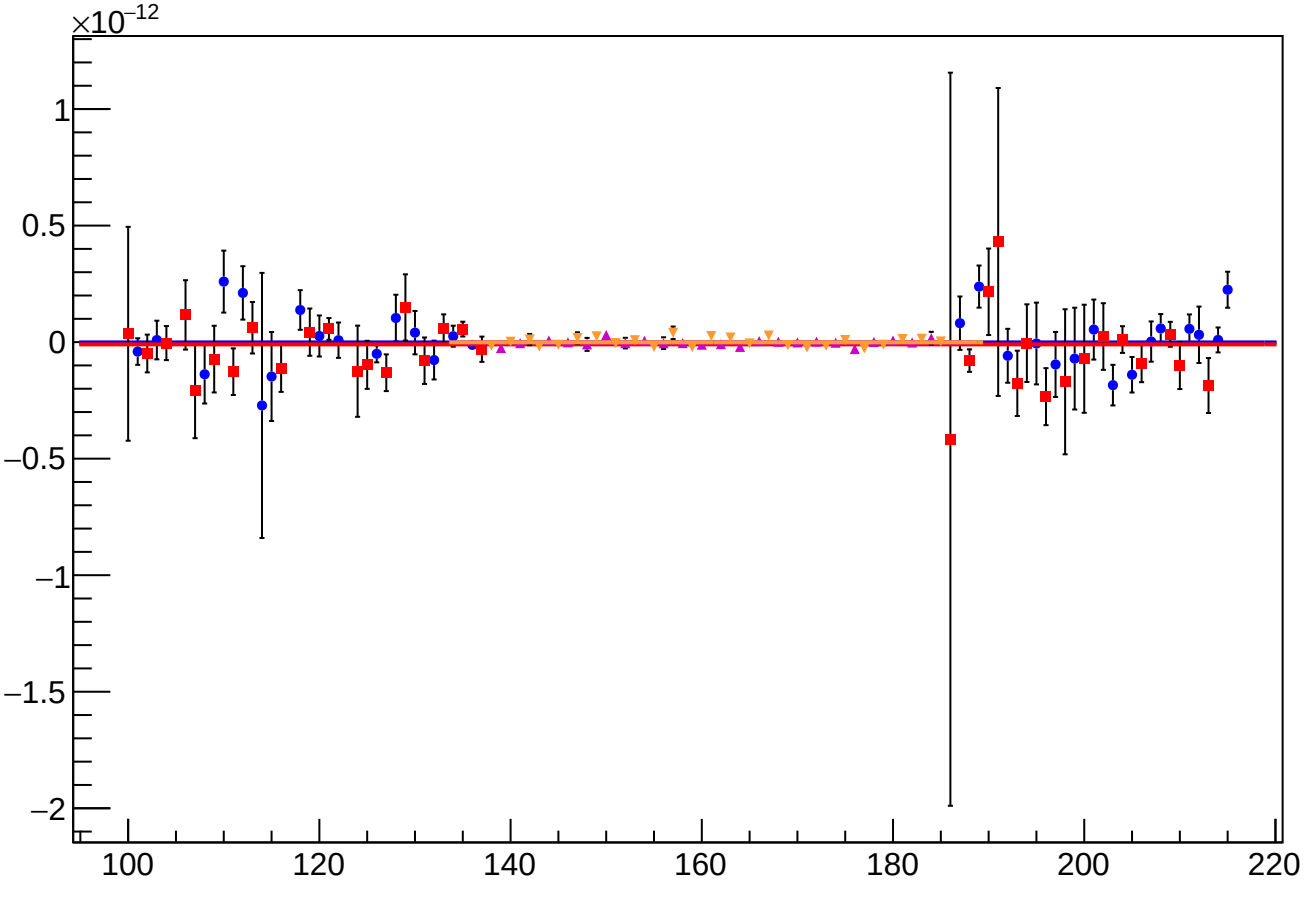
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 788.569+/-0.094 χ^2/NDF: 5619796.1/64

In: 406.069+/-0.052 χ^2/NDF:13205594.9/53

Out: 401.586+/-0.051 χ^2/NDF:15167984.8/58

All: 403.807+/-0.036 χ^2/NDF: 28377354.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 44.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/33

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

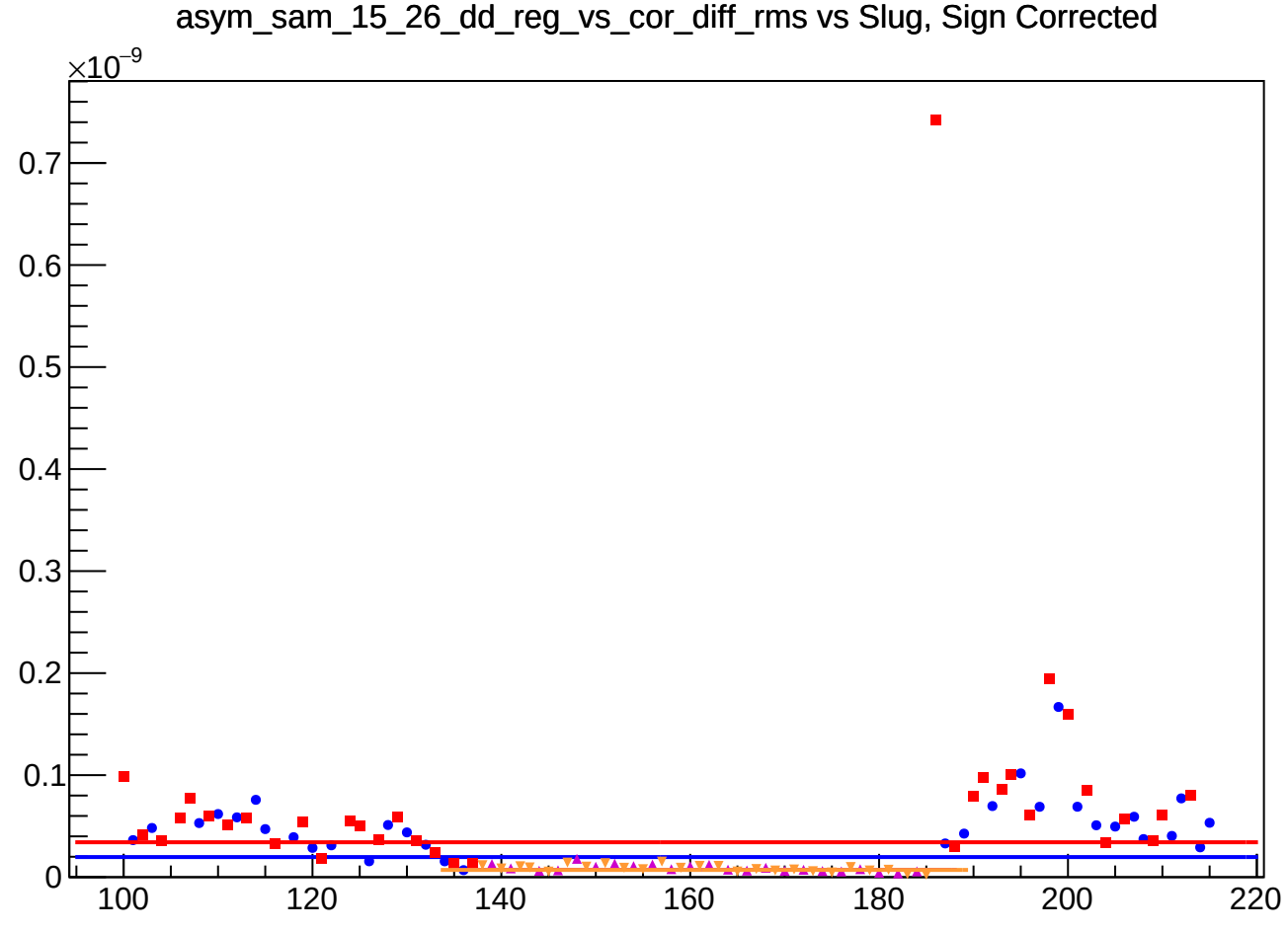
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 76.7/64

In: -0.000+/-0.000 χ^2/NDF:59.1/53

Out: -0.000+/-0.000 χ^2/NDF:65.8/58

All: -0.000+/-0.000 χ^2/NDF: 124.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 8419889.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5267143.0/33

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

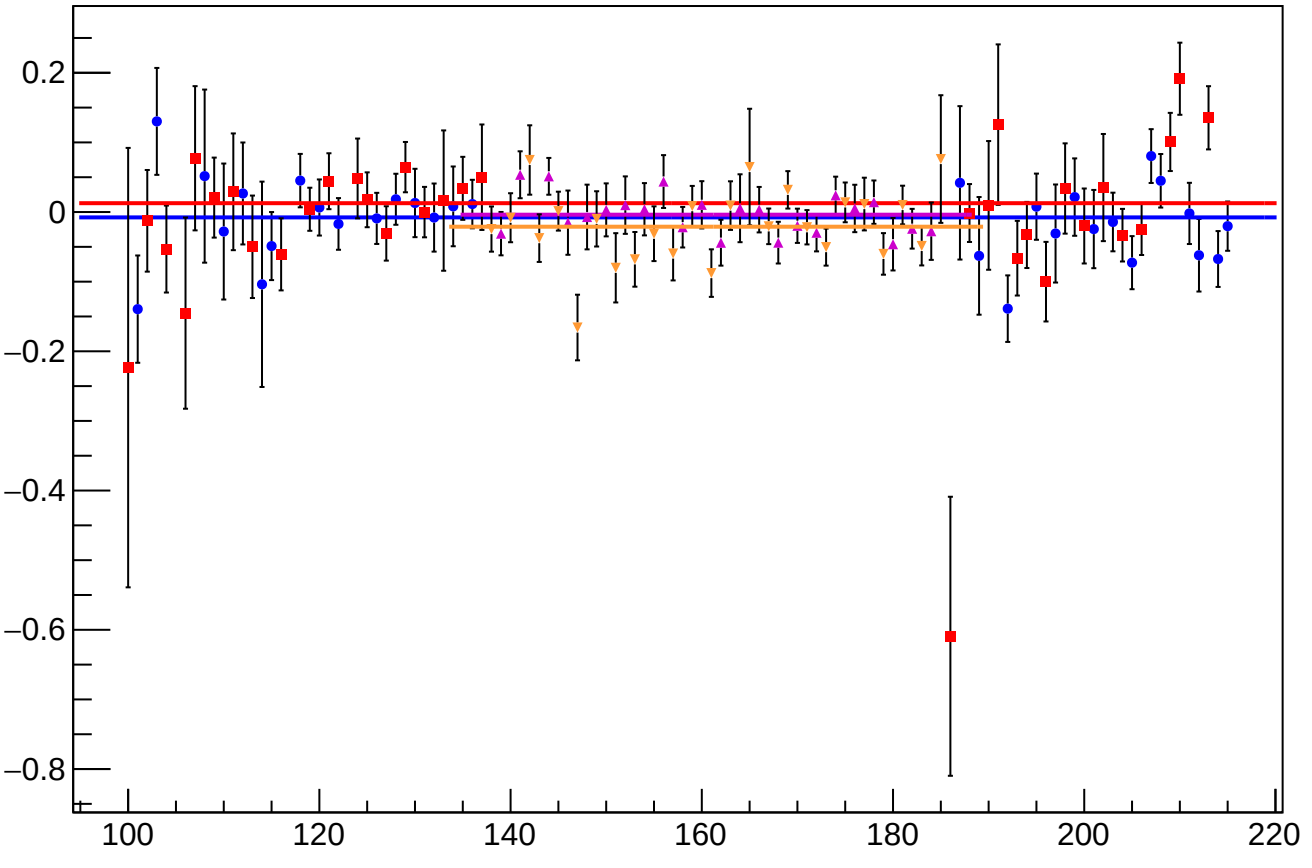
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15140424.6/64

In: 0.000+/-0.000 χ^2/NDF:13183163.9/53

Out: 0.000+/-0.000 χ^2/NDF:14343774.1/58

All: 0.000+/-0.000 χ^2/NDF: 27531745.3/112



Right In: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 55.6/33

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

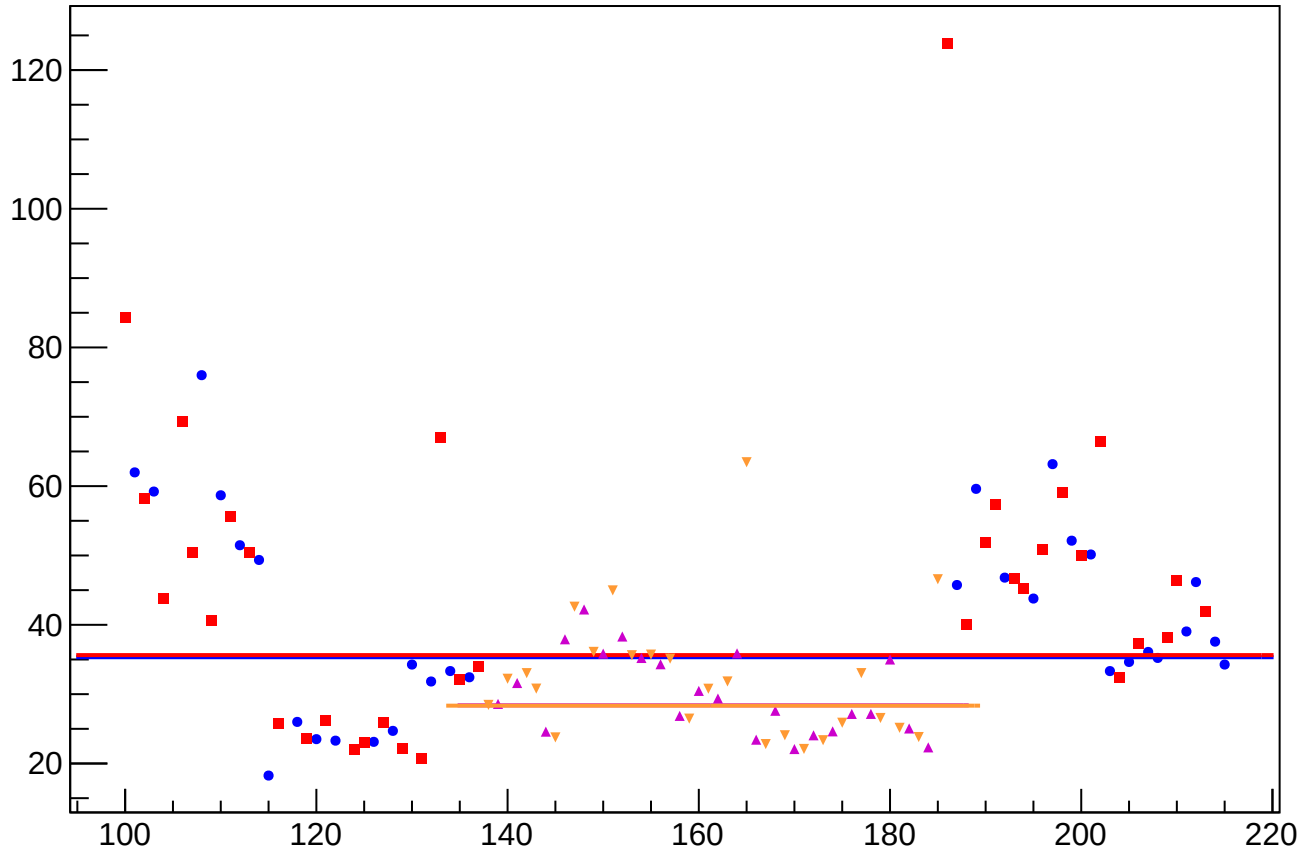
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.002+/-0.006 χ^2/NDF: 91.5/64

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.007+/-0.004 χ^2/NDF: 154.2/112



Right In: 35.327+/-0.006 χ^2/NDF: 3148879.6/30

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 35.633+/-0.006 χ^2/NDF: 4122170.9/33

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

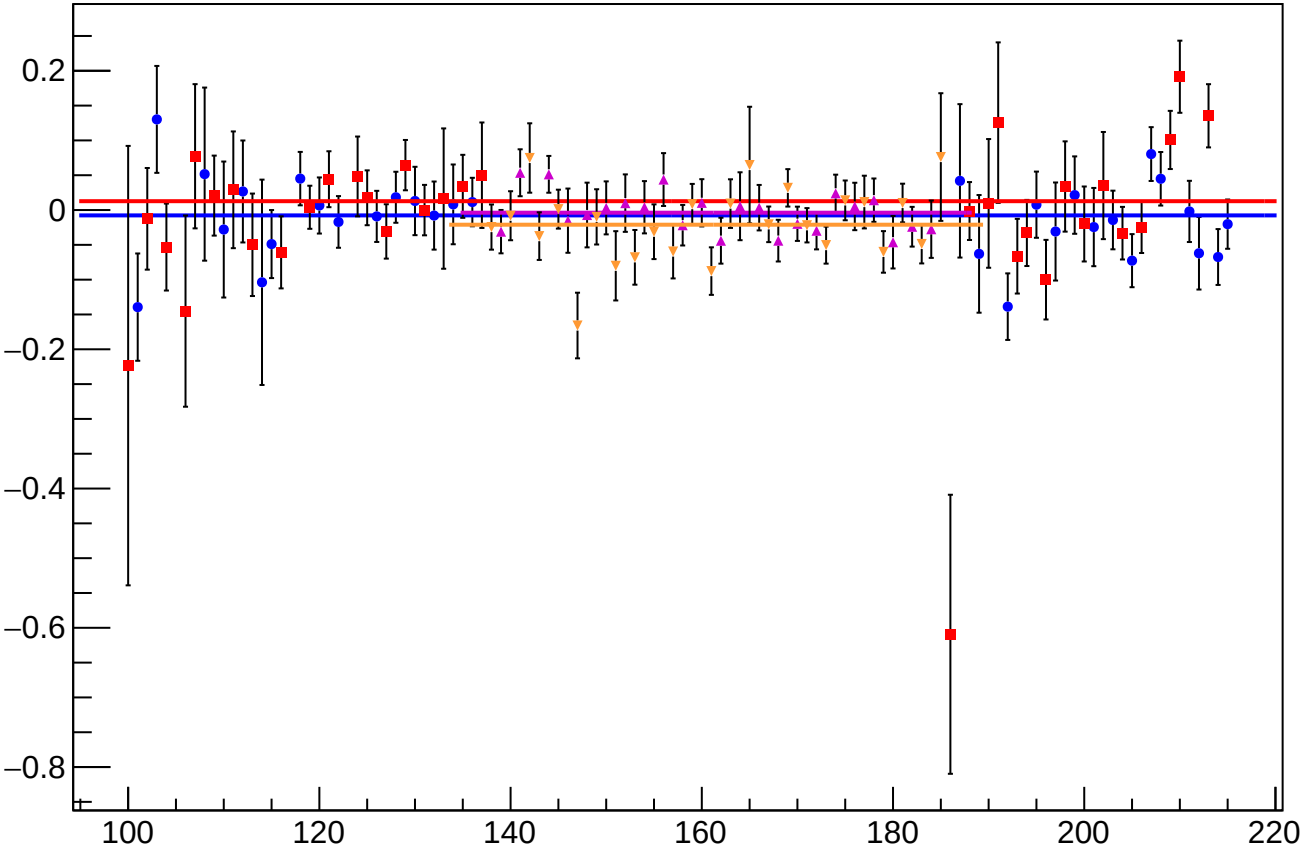
Right: 35.475+/-0.004 χ^2/NDF: 7272267.3/64

In: 31.082+/-0.004 χ^2/NDF:5041709.0/53

Out: 30.968+/-0.004 χ^2/NDF:6716586.2/58

All: 31.025+/-0.003 χ^2/NDF: 11758749.1/112

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 55.6/33

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

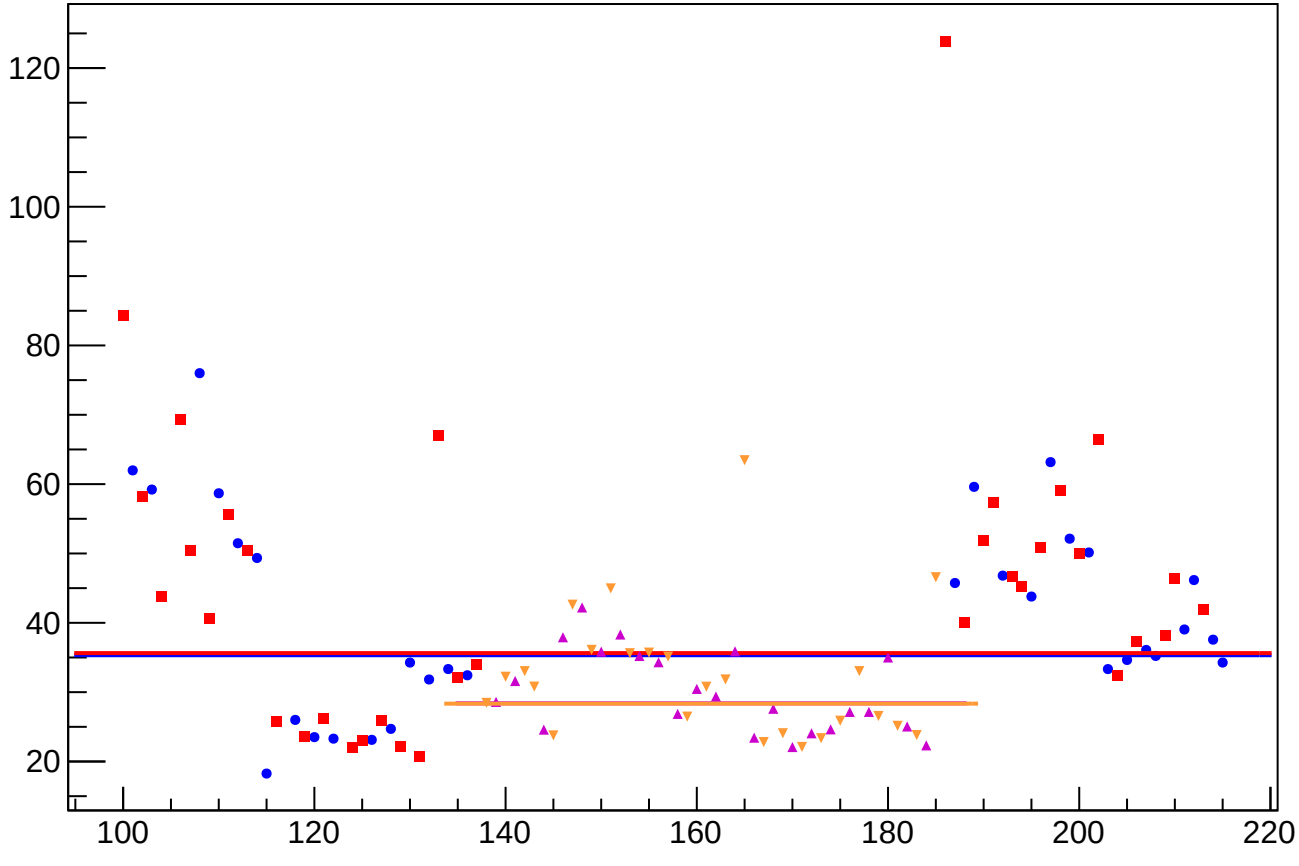
Right: 0.002+/-0.006 χ^2/NDF: 91.5/64

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.007+/-0.004 χ^2/NDF: 154.2/112

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.327+/-0.006 χ^2/NDF: 3148879.6/30

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 35.633+/-0.006 χ^2/NDF: 4122170.9/33

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

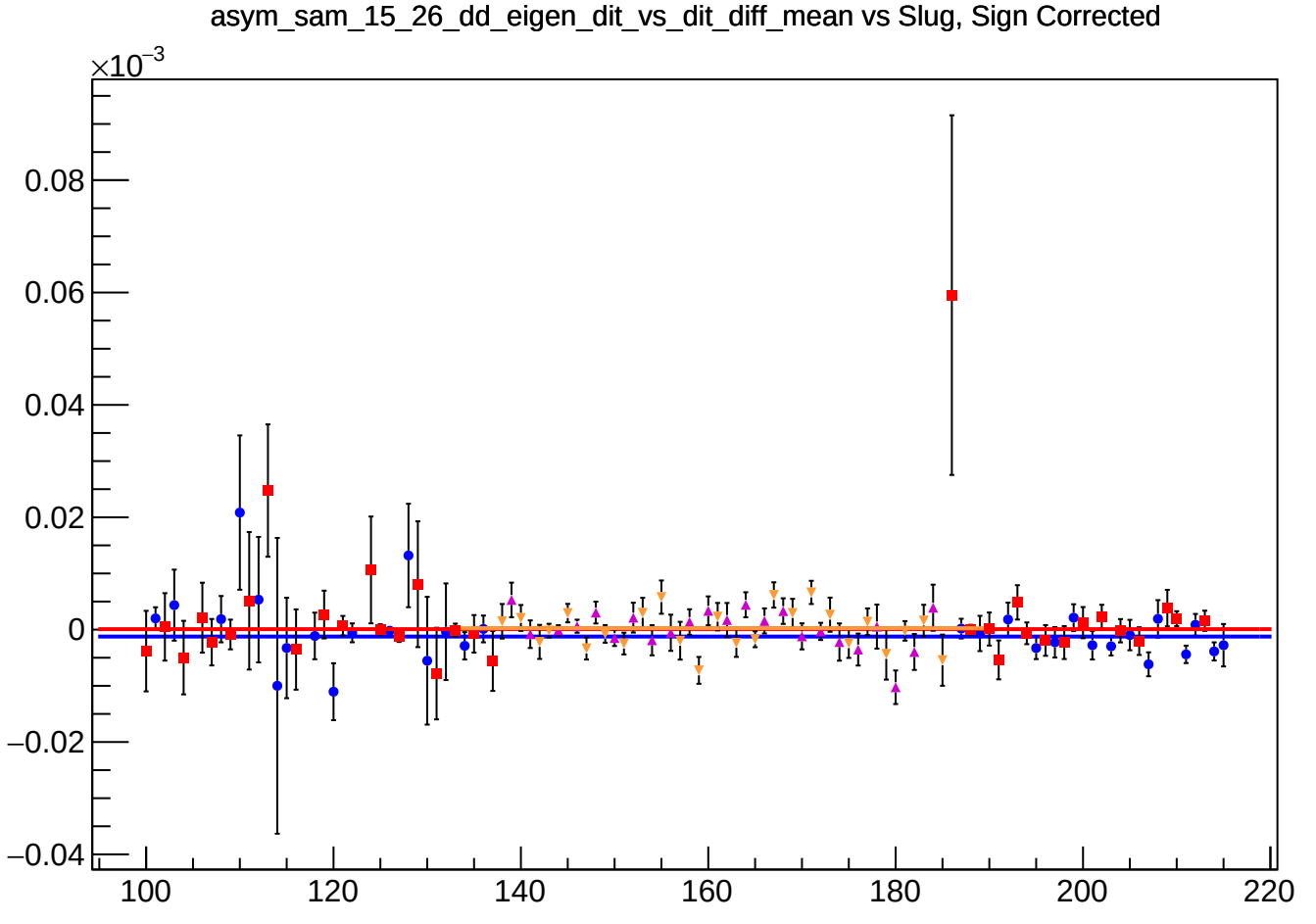
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.475+/-0.004 χ^2/NDF: 7272267.3/64

In: 31.082+/-0.004 χ^2/NDF:5041709.0/53

Out: 30.968+/-0.004 χ^2/NDF:6716586.2/58

All: 31.025+/-0.003 χ^2/NDF: 11758749.1/112



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/33

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

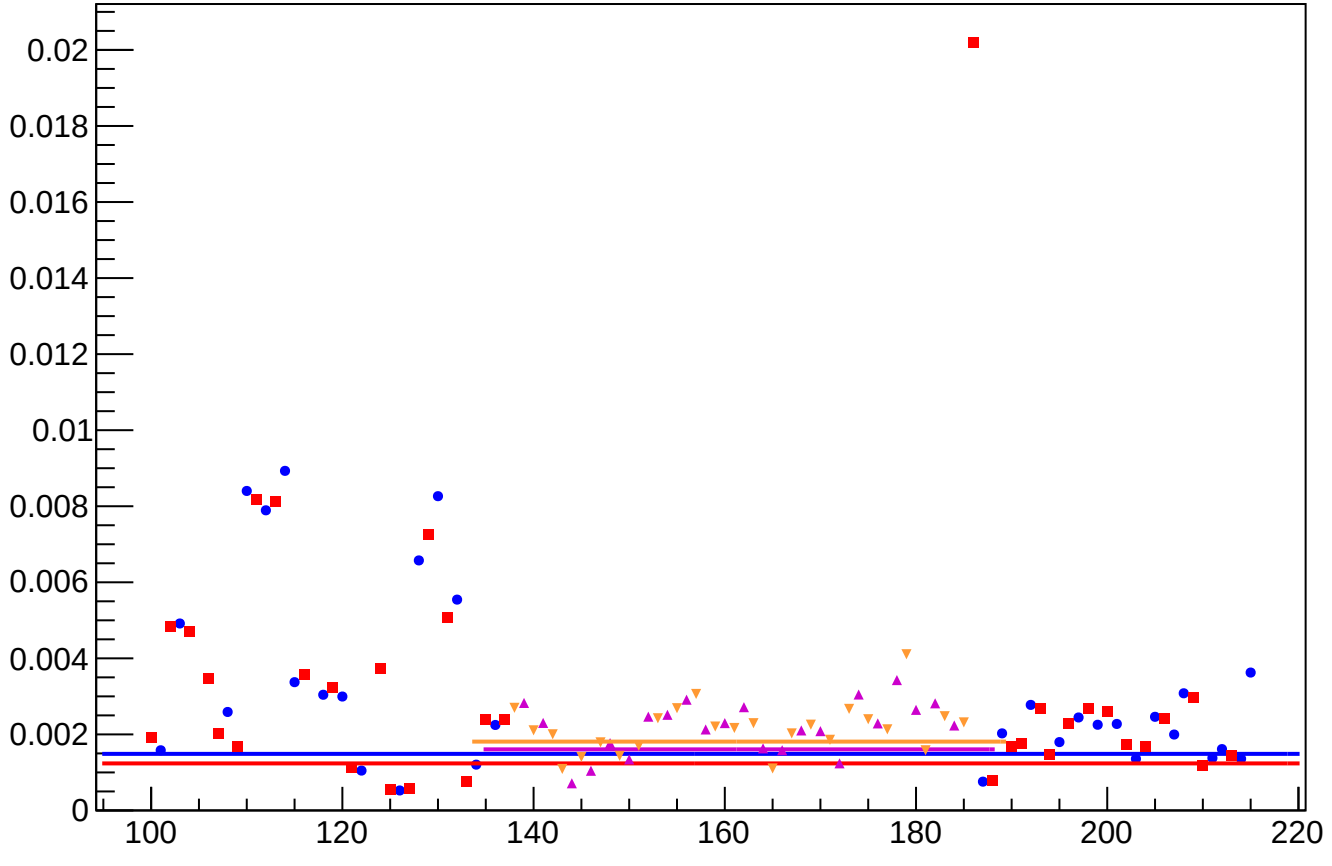
Right: -0.000+/-0.000 χ^2/NDF: 70.3/64

In: -0.000+/-0.000 χ^2/NDF:76.2/53

Out: 0.000+/-0.000 χ^2/NDF:78.7/58

All: -0.000+/-0.000 χ^2/NDF: 157.6/112

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10420020.9/30

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11656266.0/33

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

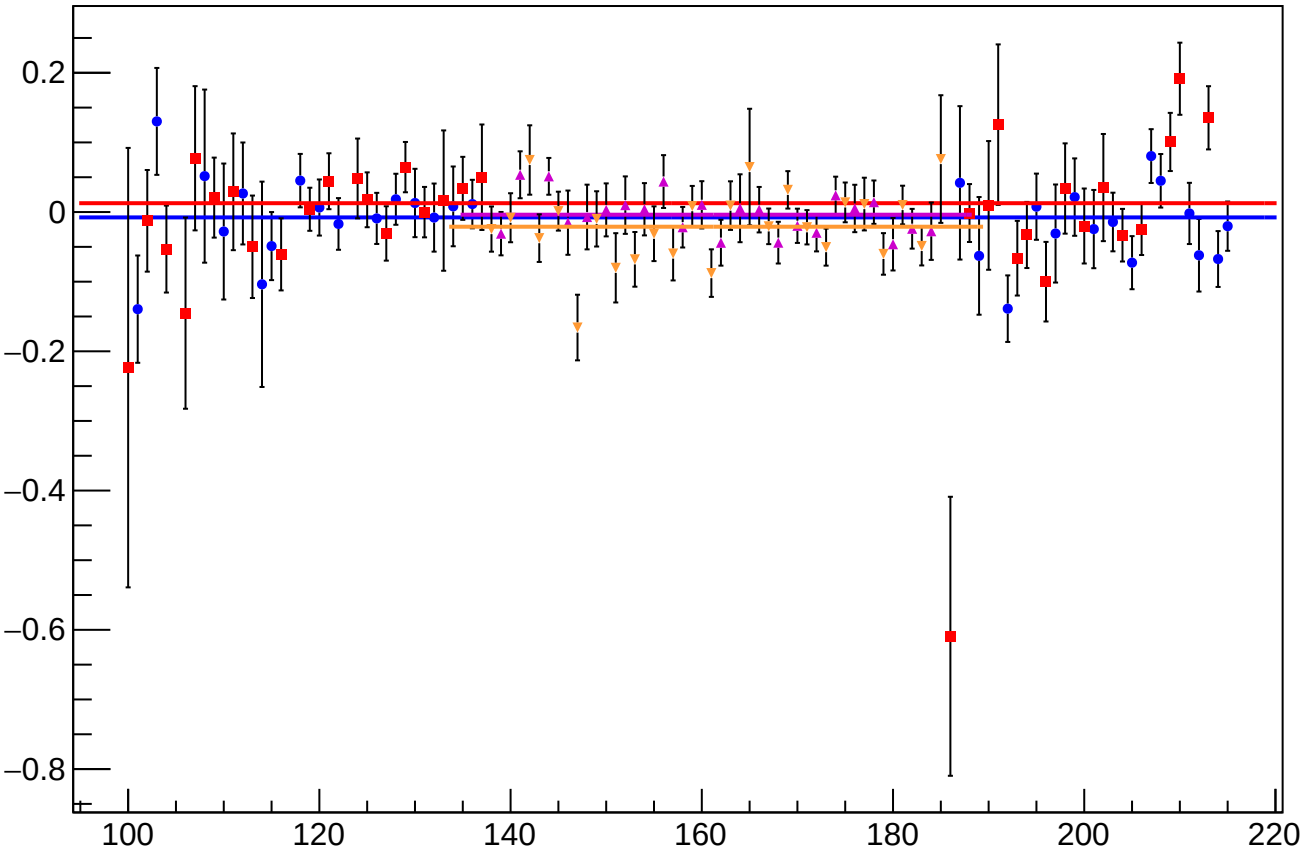
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 22490482.4/64

In: 0.002+/-0.000 χ^2/NDF:16534616.2/53

Out: 0.001+/-0.000 χ^2/NDF:17128723.5/58

All: 0.002+/-0.000 χ^2/NDF: 33724117.2/112



Right In: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 55.7/33

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

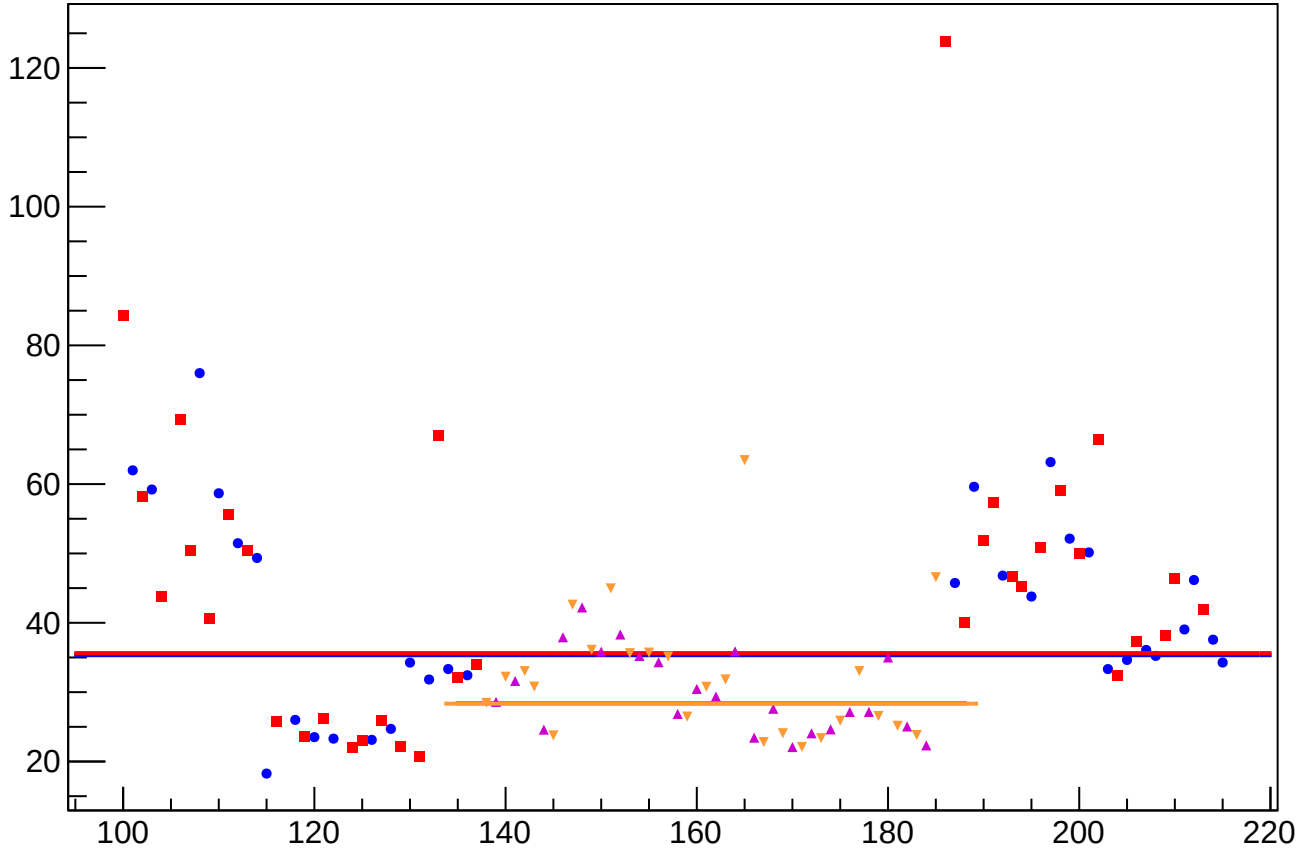
Right: 0.002+/-0.006 χ^2/NDF: 91.5/64

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.007+/-0.004 χ^2/NDF: 154.2/112

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.327+/-0.006 χ^2/NDF: 3148747.9/30

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 35.632+/-0.006 χ^2/NDF: 4122297.2/33

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

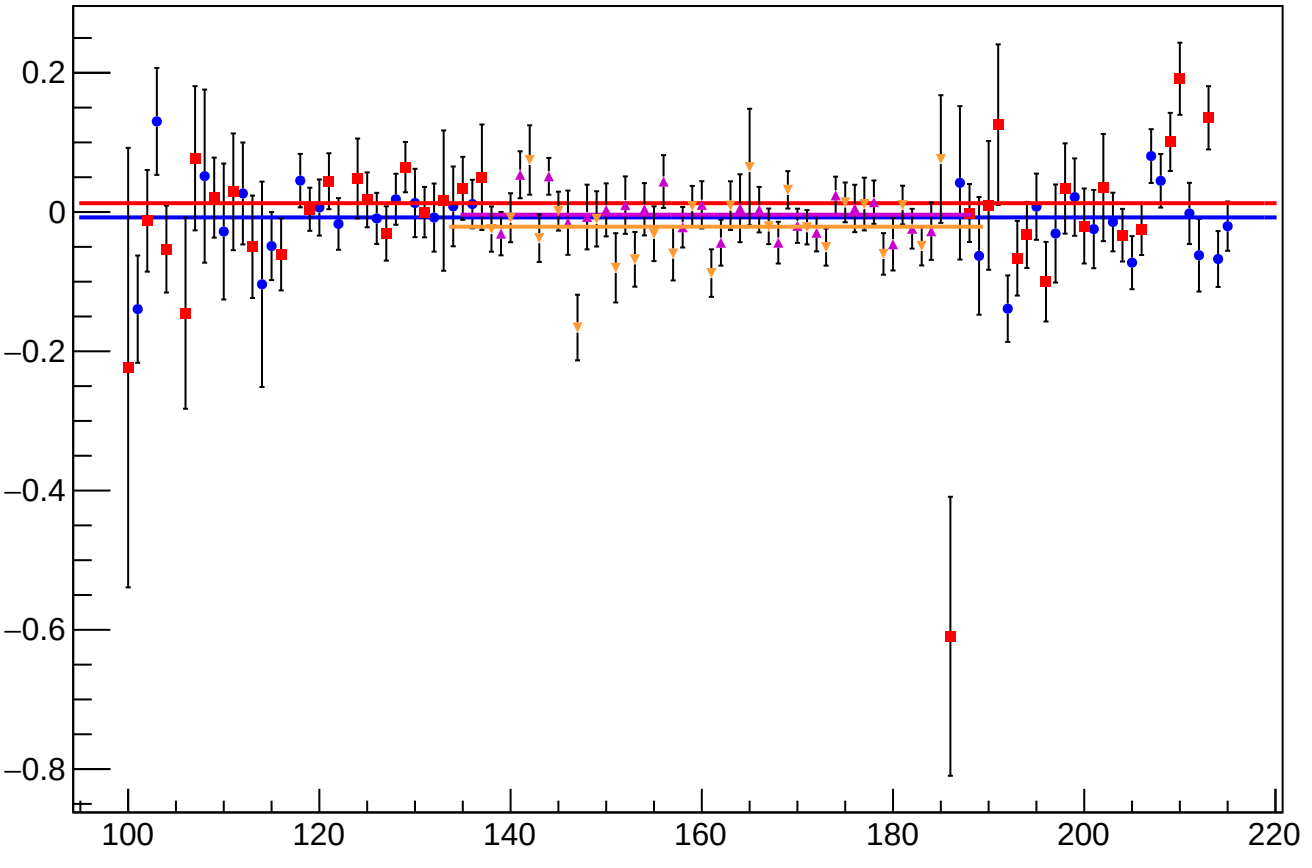
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.475+/-0.004 χ^2/NDF: 7272258.4/64

In: 31.082+/-0.004 χ^2/NDF:5041525.7/53

Out: 30.968+/-0.004 χ^2/NDF:6716601.3/58

All: 31.025+/-0.003 χ^2/NDF: 11758583.0/112



Right In: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 55.7/33

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

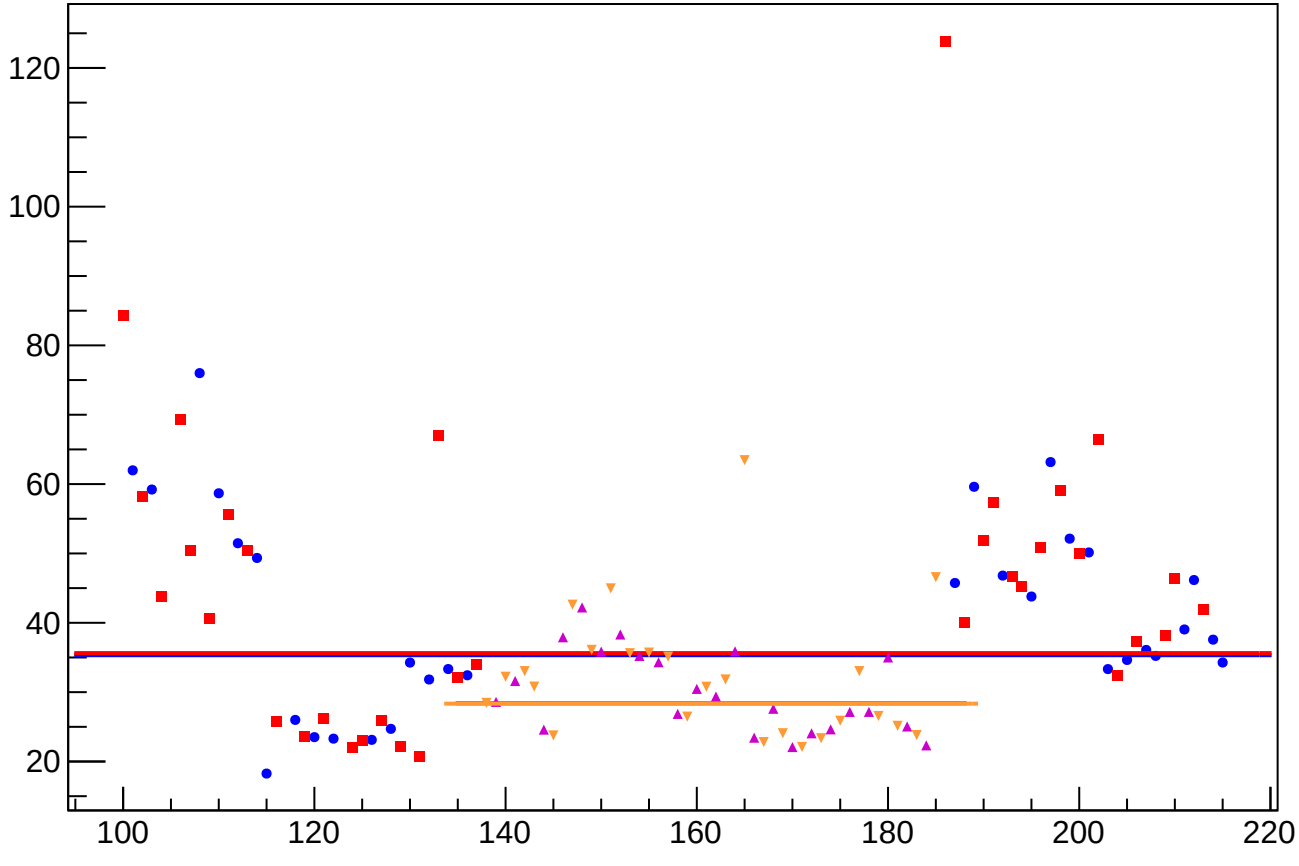
Right: 0.002+/-0.006 χ^2/NDF: 91.5/64

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.009+/-0.005 χ^2/NDF:102.1/58

All: -0.007+/-0.004 χ^2/NDF: 154.2/112

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.327+/-0.006 χ^2/NDF: 3148747.9/30

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 35.632+/-0.006 χ^2/NDF: 4122297.2/33

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

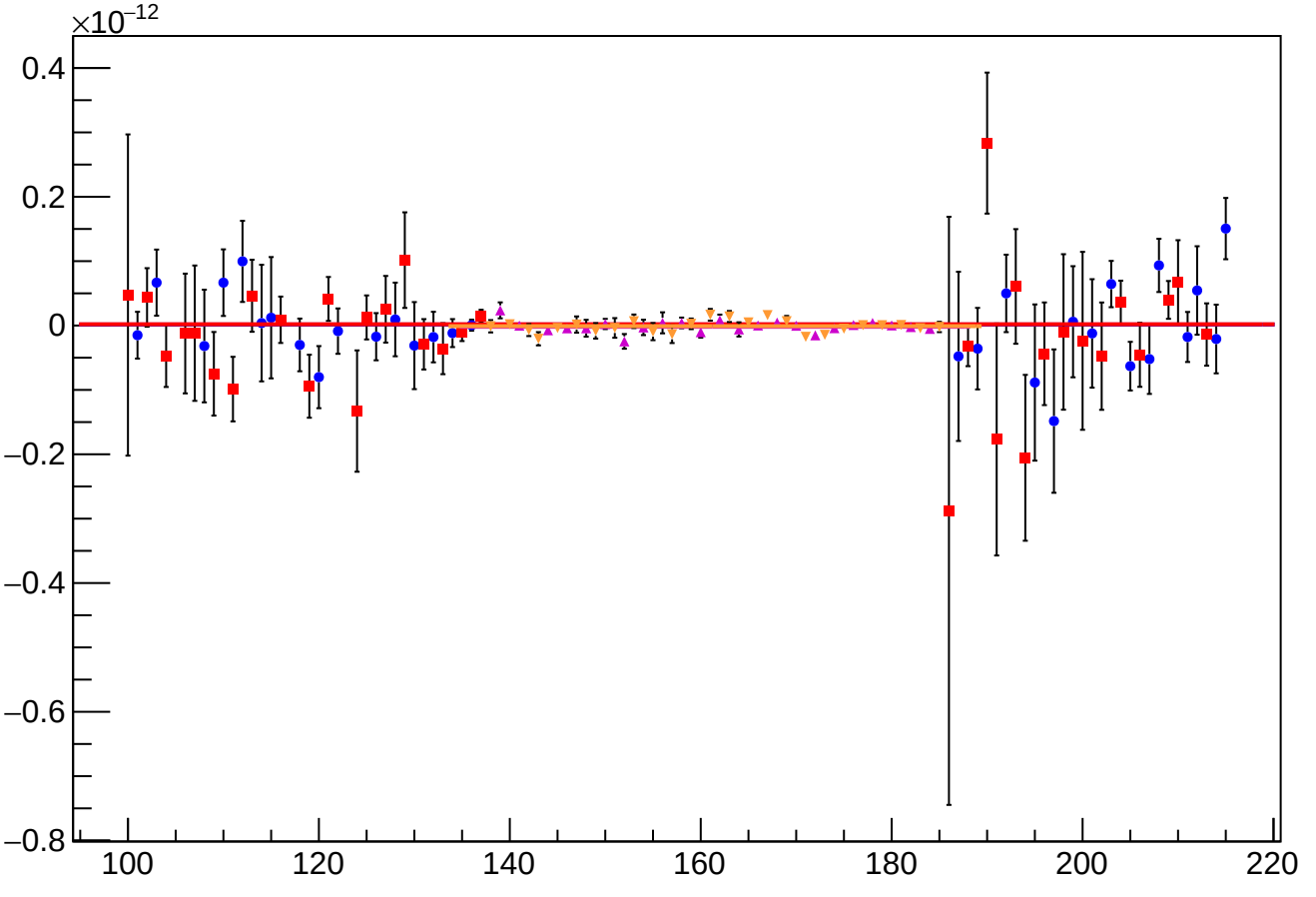
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.475+/-0.004 χ^2/NDF: 7272258.4/64

In: 31.082+/-0.004 χ^2/NDF:5041525.7/53

Out: 30.968+/-0.004 χ^2/NDF:6716601.3/58

All: 31.025+/-0.003 χ^2/NDF: 11758583.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 36.9/30

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/33

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

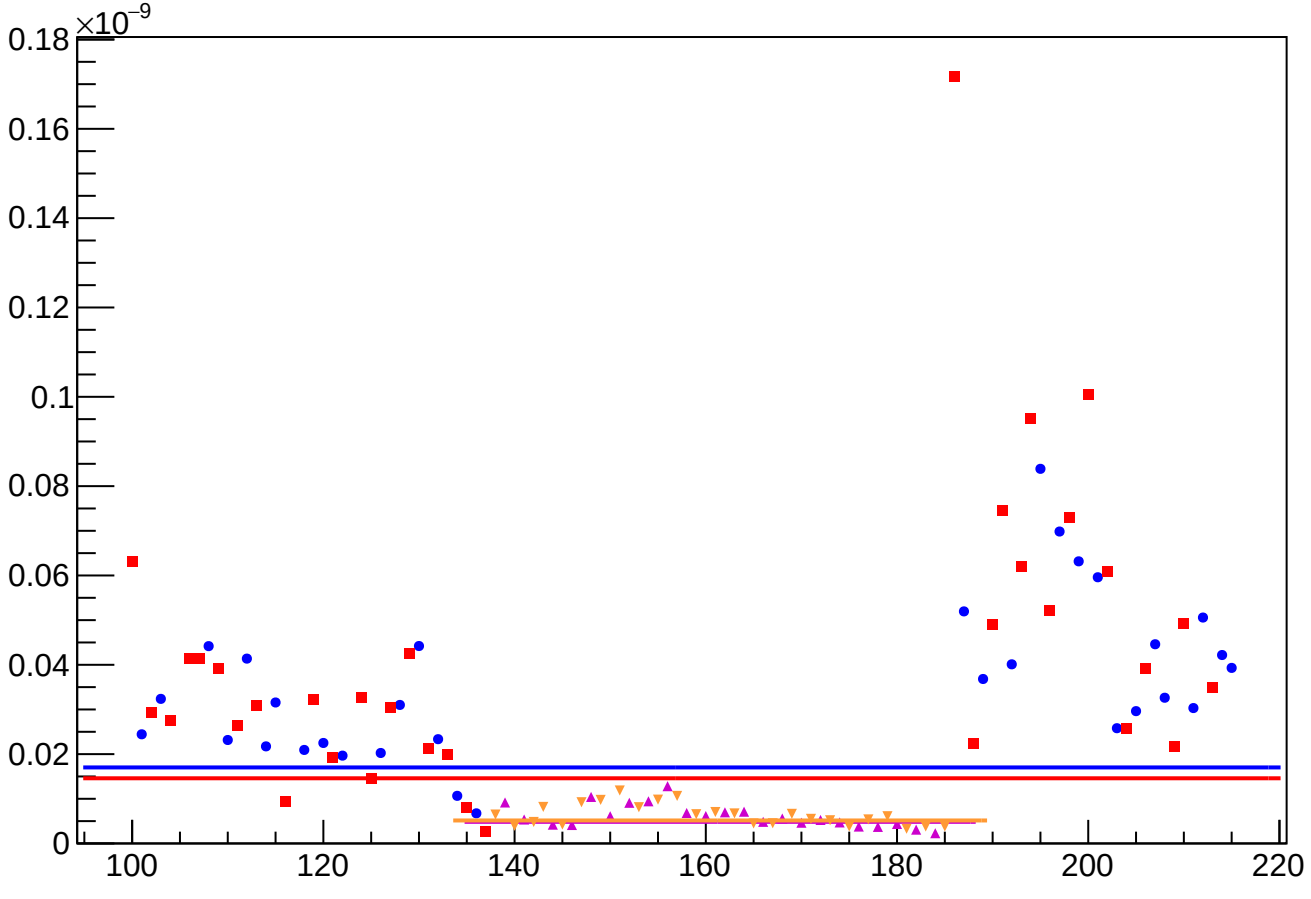
Right: 0.000+/-0.000 χ^2/NDF: 76.0/64

In: -0.000+/-0.000 χ^2/NDF:56.8/53

Out: -0.000+/-0.000 χ^2/NDF:73.4/58

All: -0.000+/-0.000 χ^2/NDF: 130.4/112

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9939978.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11685040.0/33

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

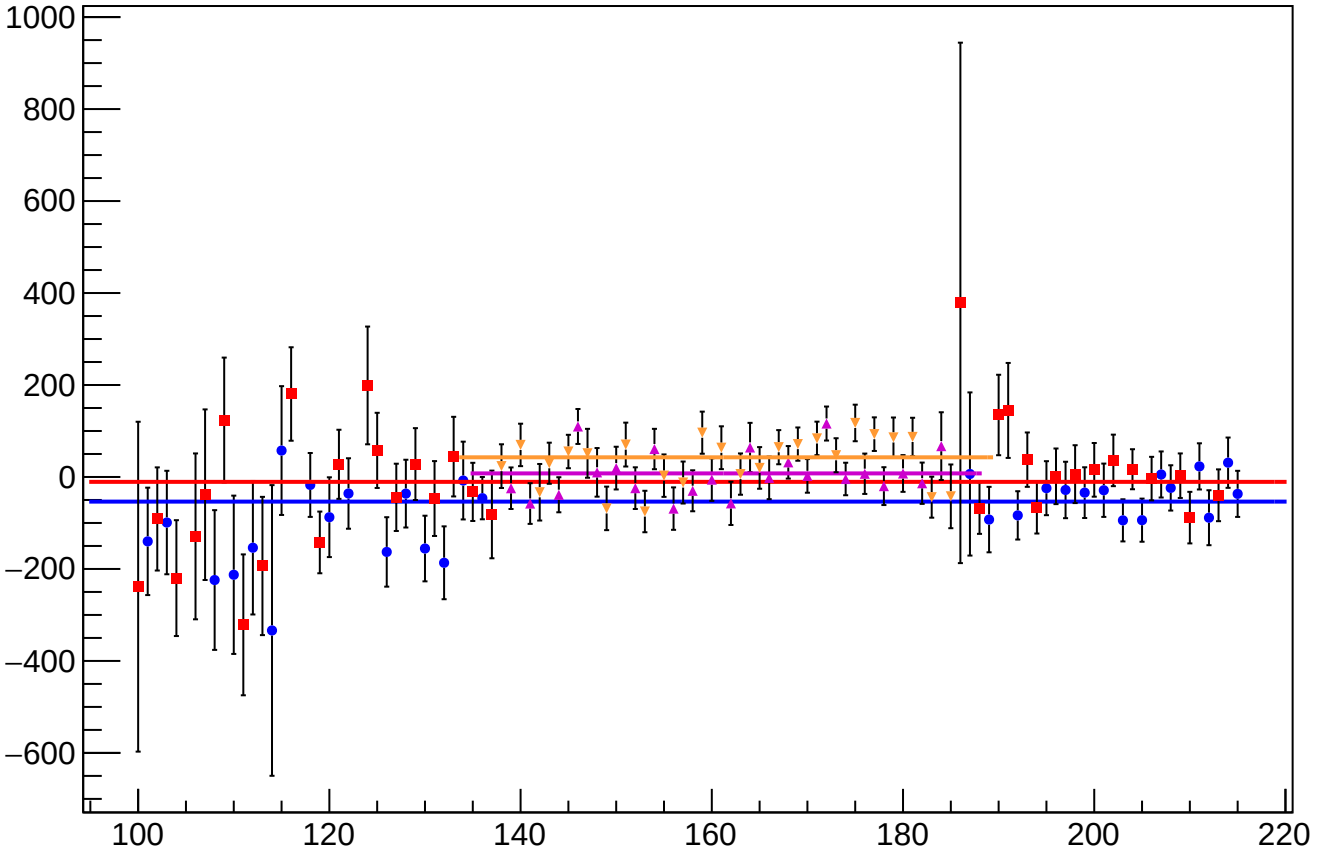
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 21784321.7/64

In: 0.000+/-0.000 χ^2/NDF:20455809.7/53

Out: 0.000+/-0.000 χ^2/NDF:19339145.8/58

All: 0.000+/-0.000 χ^2/NDF: 39813468.6/112



Right In: -53.559+/-11.866 χ^2/NDF: 22.5/30

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -10.614+/-12.524 χ^2/NDF: 35.4/33

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

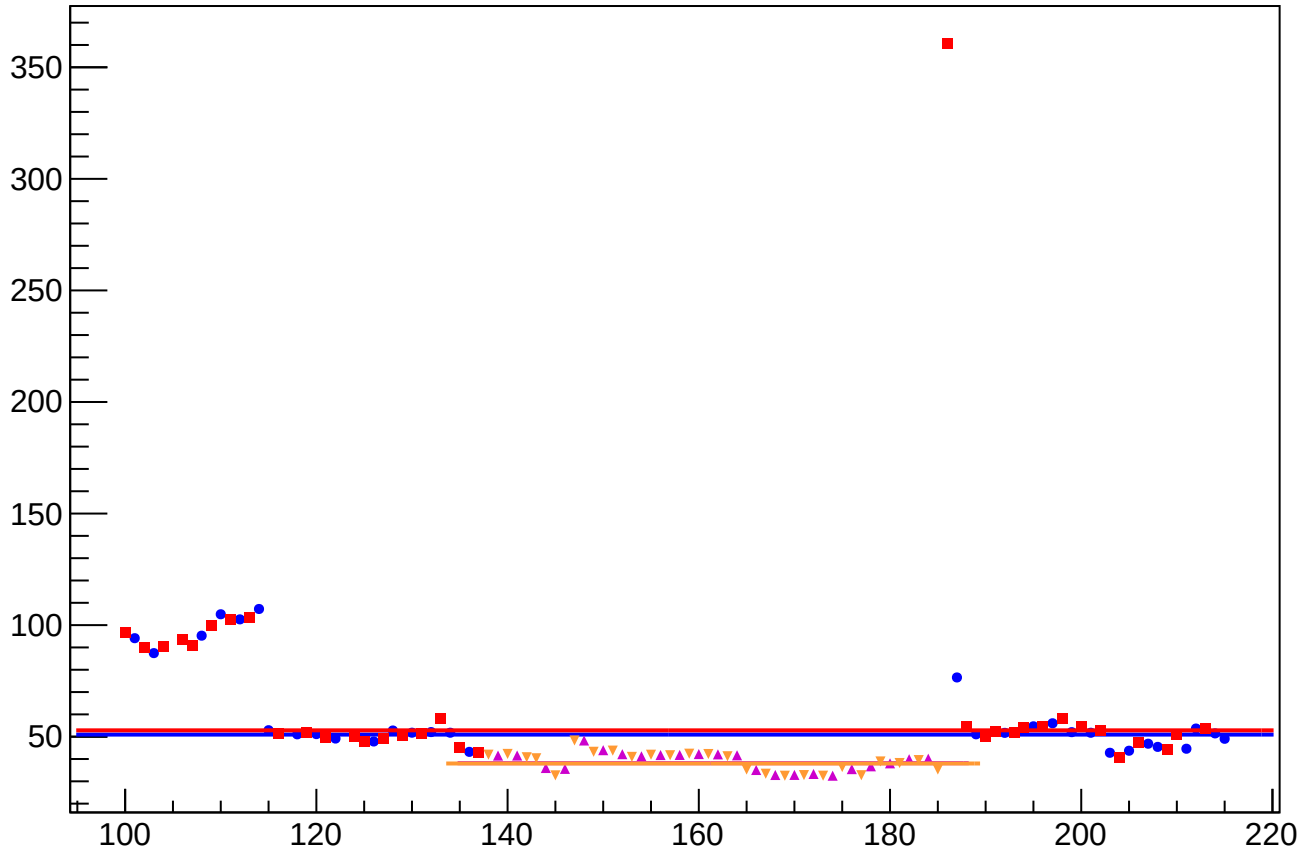
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -33.244+/-8.614 χ^2/NDF: 64.0/64

In: -14.536+/-7.158 χ^2/NDF:70.1/53

Out: 25.396+/-7.144 χ^2/NDF:82.4/58

All: 5.468+/-5.057 χ^2/NDF: 168.0/112



Right In: 50.945+/-0.008 χ^2/NDF: 1484476.0/30

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.847+/-0.009 χ^2/NDF: 2238419.1/33

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

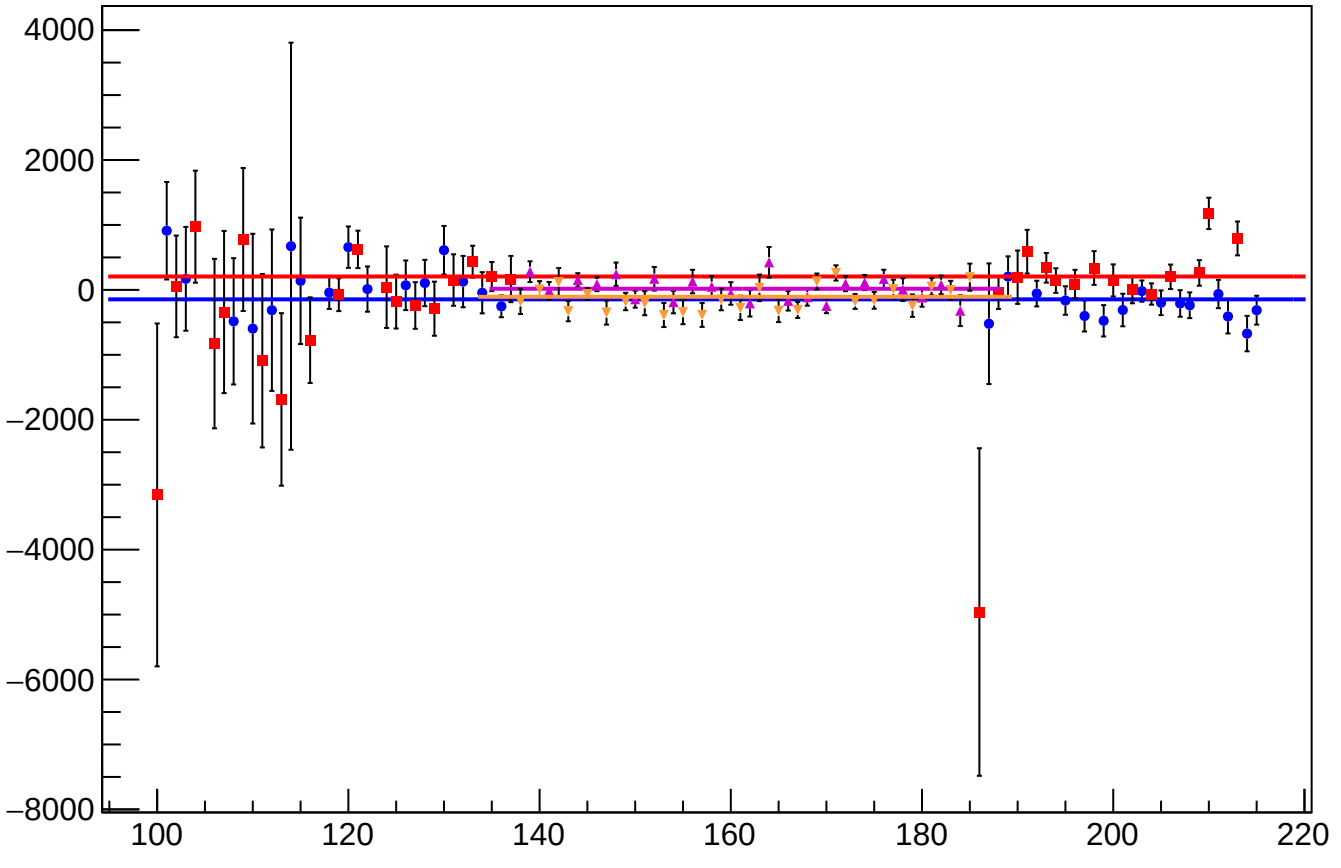
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.844+/-0.006 χ^2/NDF: 3747194.2/64

In: 42.794+/-0.005 χ^2/NDF:3395955.6/53

Out: 42.824+/-0.005 χ^2/NDF:4650581.5/58

All: 42.809+/-0.004 χ^2/NDF: 8046554.1/112



Right In: -145.761+/-49.610 χ^2/NDF: 26.7/30

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 205.837+/-50.896 χ^2/NDF: 49.4/33

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

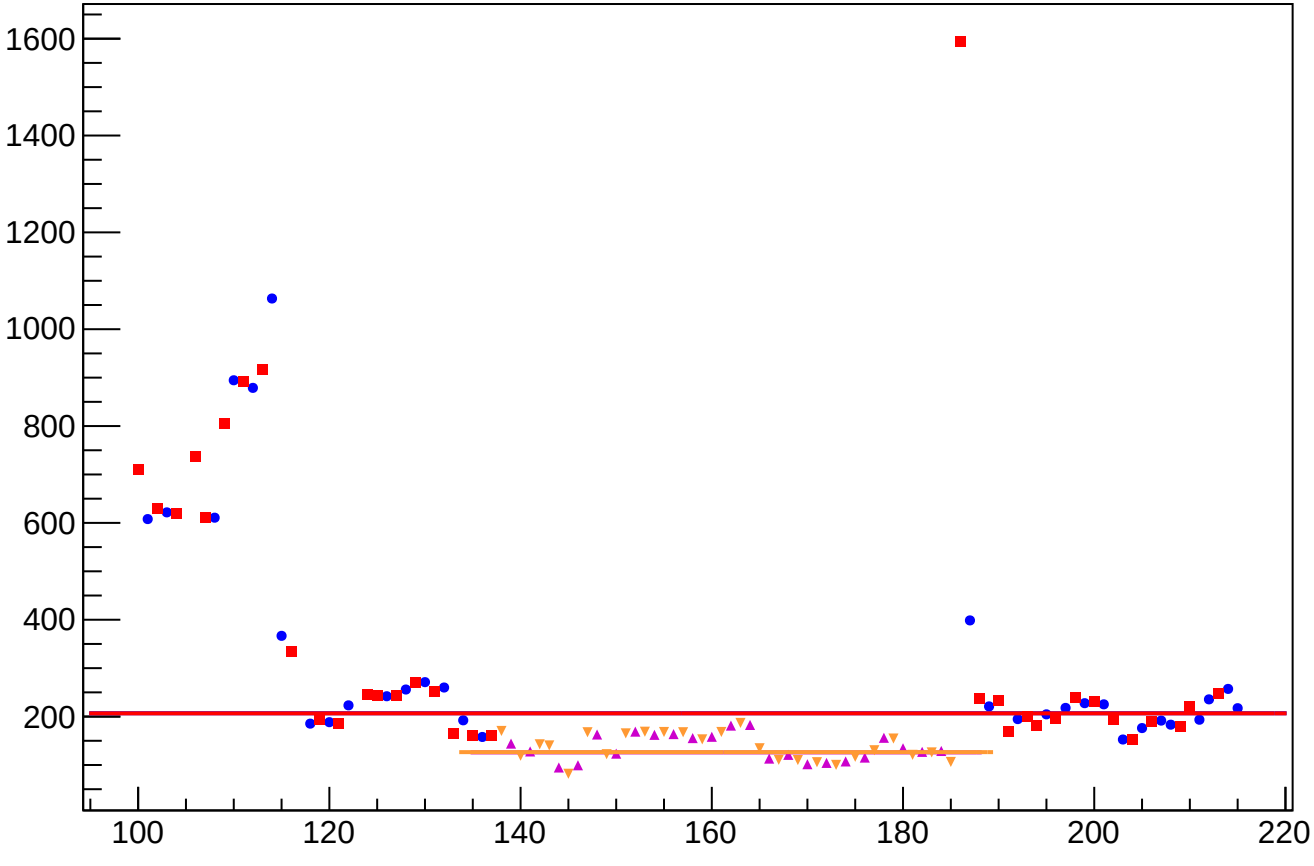
Right: 25.542+/-35.526 χ^2/NDF: 100.6/64

In: -26.598+/-25.787 χ^2/NDF:62.9/53

Out: -27.709+/-25.564 χ^2/NDF:115.2/58

All: -27.158+/-18.155 χ^2/NDF: 178.1/112

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 206.871+/-0.035 χ^2/NDF: 3577893.4/30

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 206.637+/-0.036 χ^2/NDF: 4827414.4/33

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

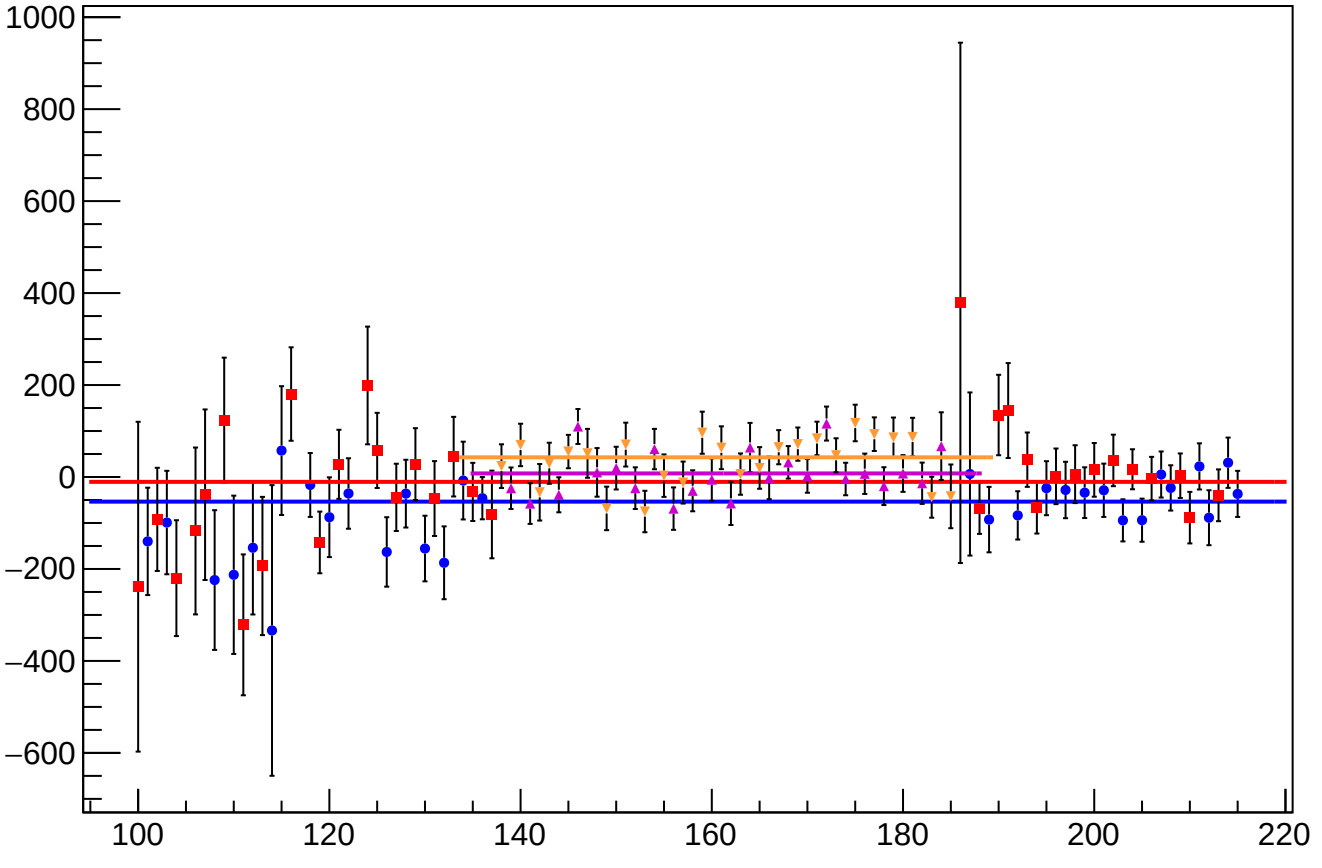
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 206.757+/-0.025 χ^2/NDF: 8405329.5/64

In: 147.860+/-0.018 χ^2/NDF:8865983.2/53

Out: 146.762+/-0.018 χ^2/NDF:10287360.3/58

All: 147.306+/-0.013 χ^2/NDF: 19155171.1/11



Right In: -53.557+/-11.866 χ^2/NDF: 22.5/30

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -10.561+/-12.525 χ^2/NDF: 35.3/33

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

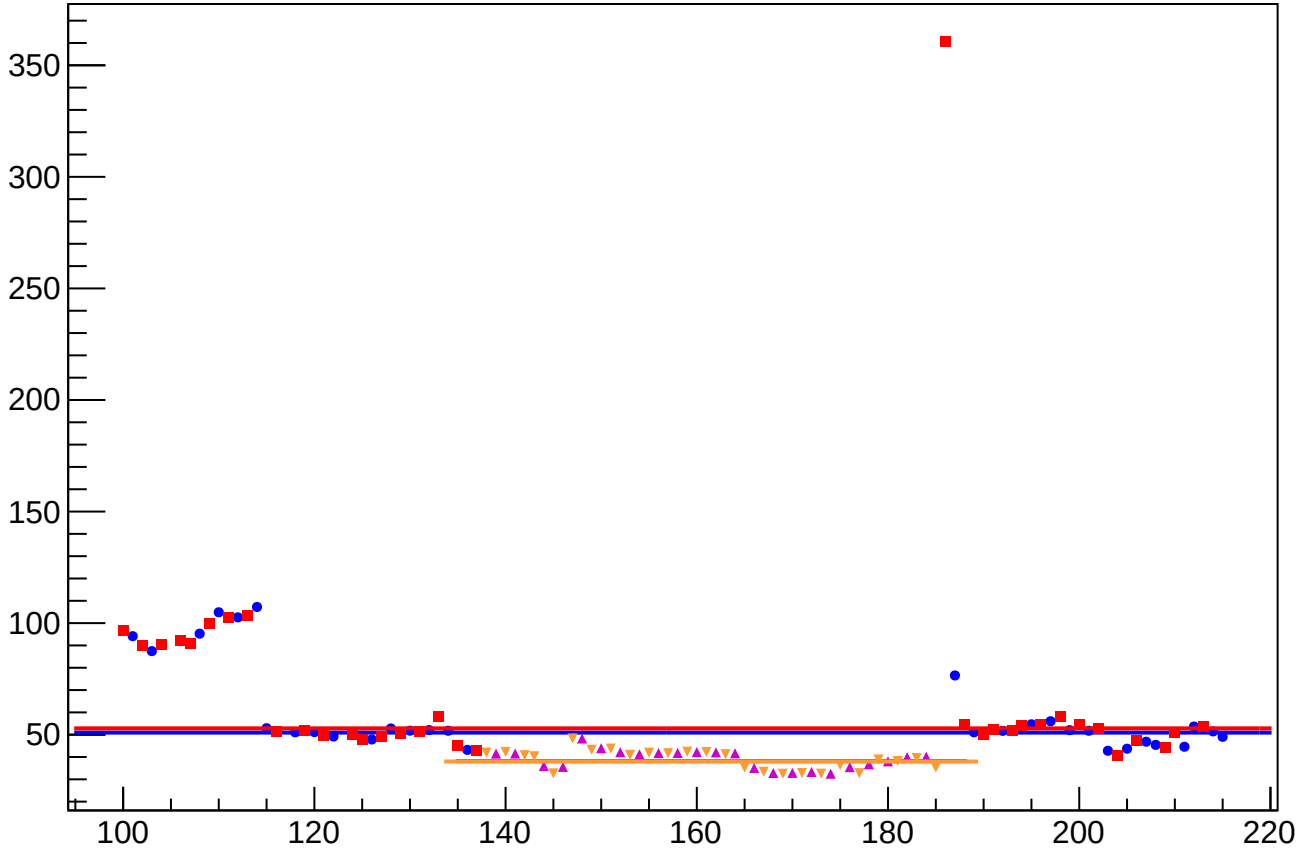
Right: -33.219+/-8.614 χ^2/NDF: 64.0/64

In: -14.535+/-7.158 χ^2/NDF:70.1/53

Out: 25.415+/-7.144 χ^2/NDF:82.3/58

All: 5.478+/-5.057 χ^2/NDF: 167.9/112

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 50.945+/-0.008 χ^2/NDF: 1484476.2/30

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.837+/-0.009 χ^2/NDF: 2229890.7/33

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

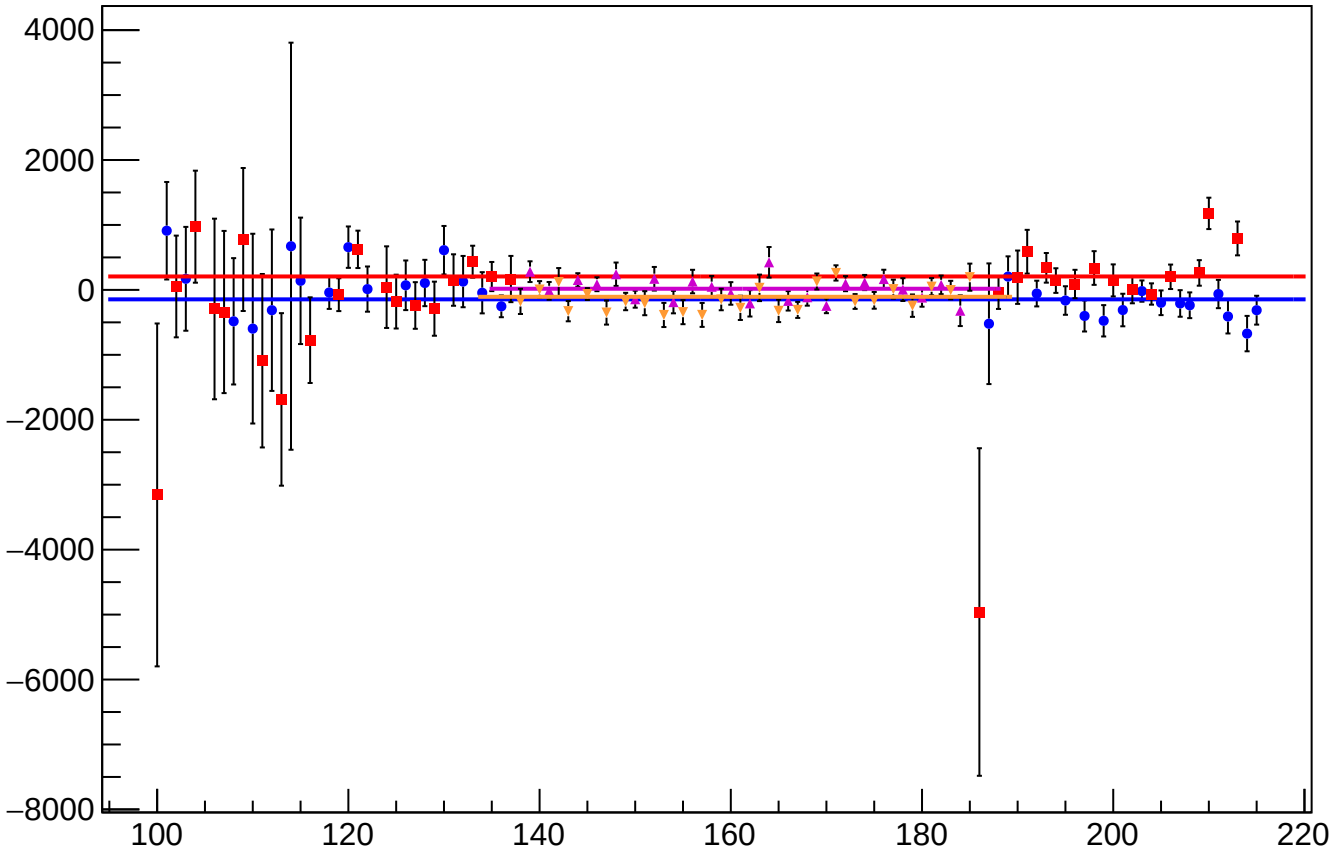
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.840+/-0.006 χ^2/NDF: 3738420.9/64

In: 42.794+/-0.005 χ^2/NDF:3395955.8/53

Out: 42.821+/-0.005 χ^2/NDF:4639523.7/58

All: 42.808+/-0.004 χ^2/NDF: 8035492.8/112



Right In: -145.758+/-49.610 χ^2/NDF: 26.7/30

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 206.729+/-50.901 χ^2/NDF: 48.9/33

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

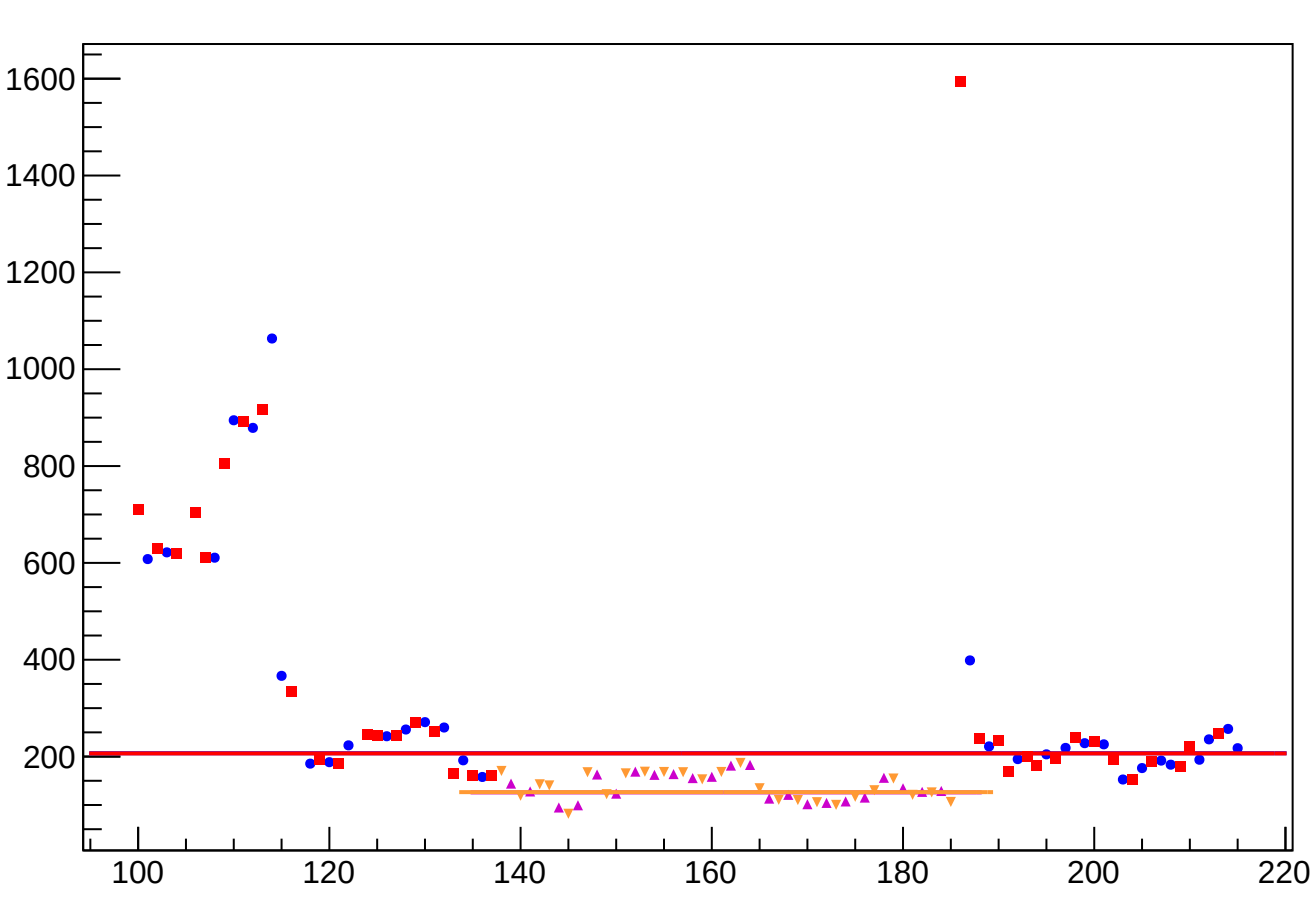
Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

Right: 25.961+/-35.527 χ^2/NDF: 100.3/64

In: -26.597+/-25.787 χ^2/NDF:62.9/53

Out: -27.494+/-25.564 χ^2/NDF:114.9/58

All: -27.050+/-18.155 χ^2/NDF: 177.8/112



Right In: 206.871+/-0.035 χ^2/NDF: 3577902.1/30

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.498+/-0.036 χ^2/NDF: 4754358.4/33

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

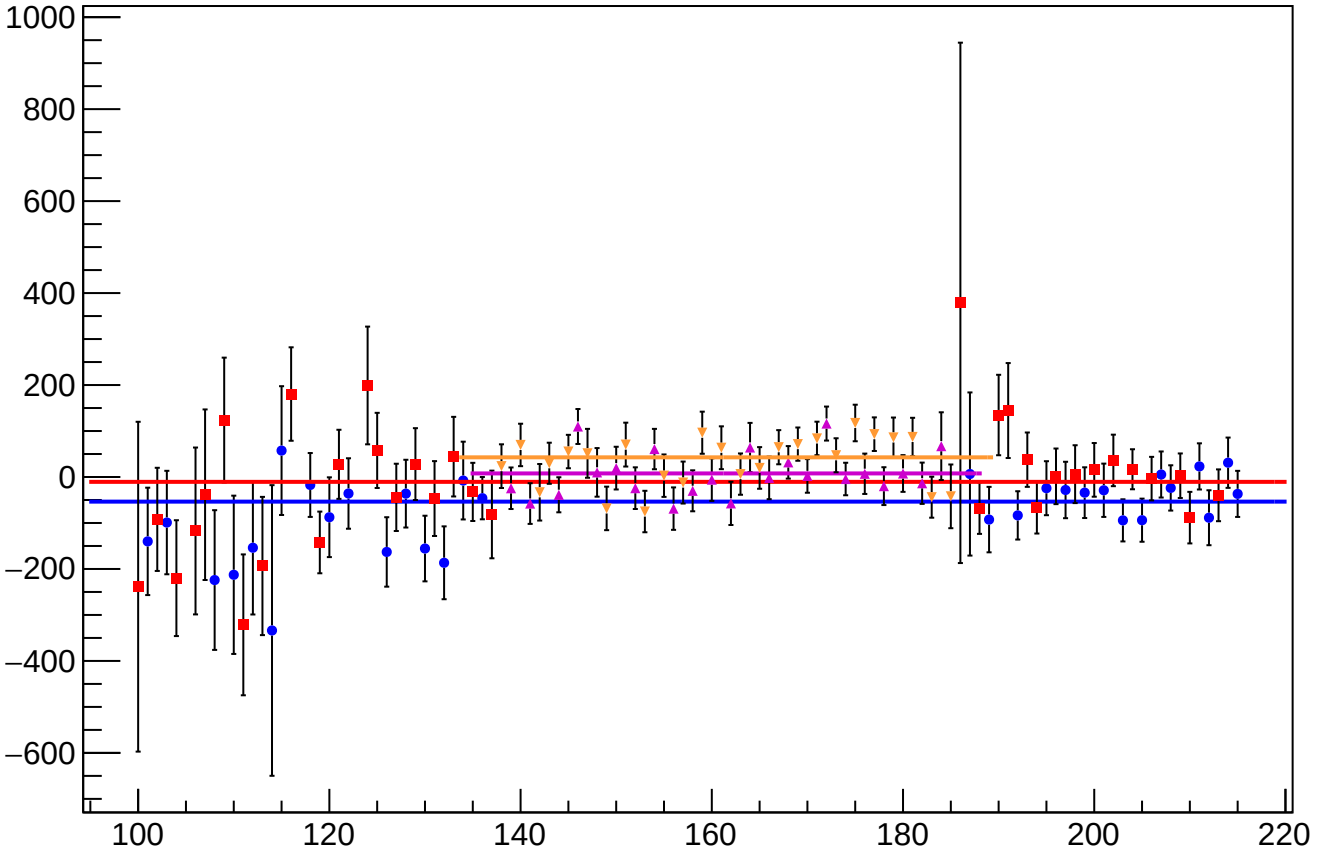
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.689+/-0.025 χ^2/NDF: 8332315.7/64

In: 147.860+/-0.018 χ^2/NDF:8866006.3/53

Out: 146.724+/-0.018 χ^2/NDF:10200929.5/58

All: 147.287+/-0.013 χ^2/NDF: 19068891.4/1



Right In: -53.557+/-11.866 χ^2/NDF: 22.5/30

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -10.561+/-12.525 χ^2/NDF: 35.3/33

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

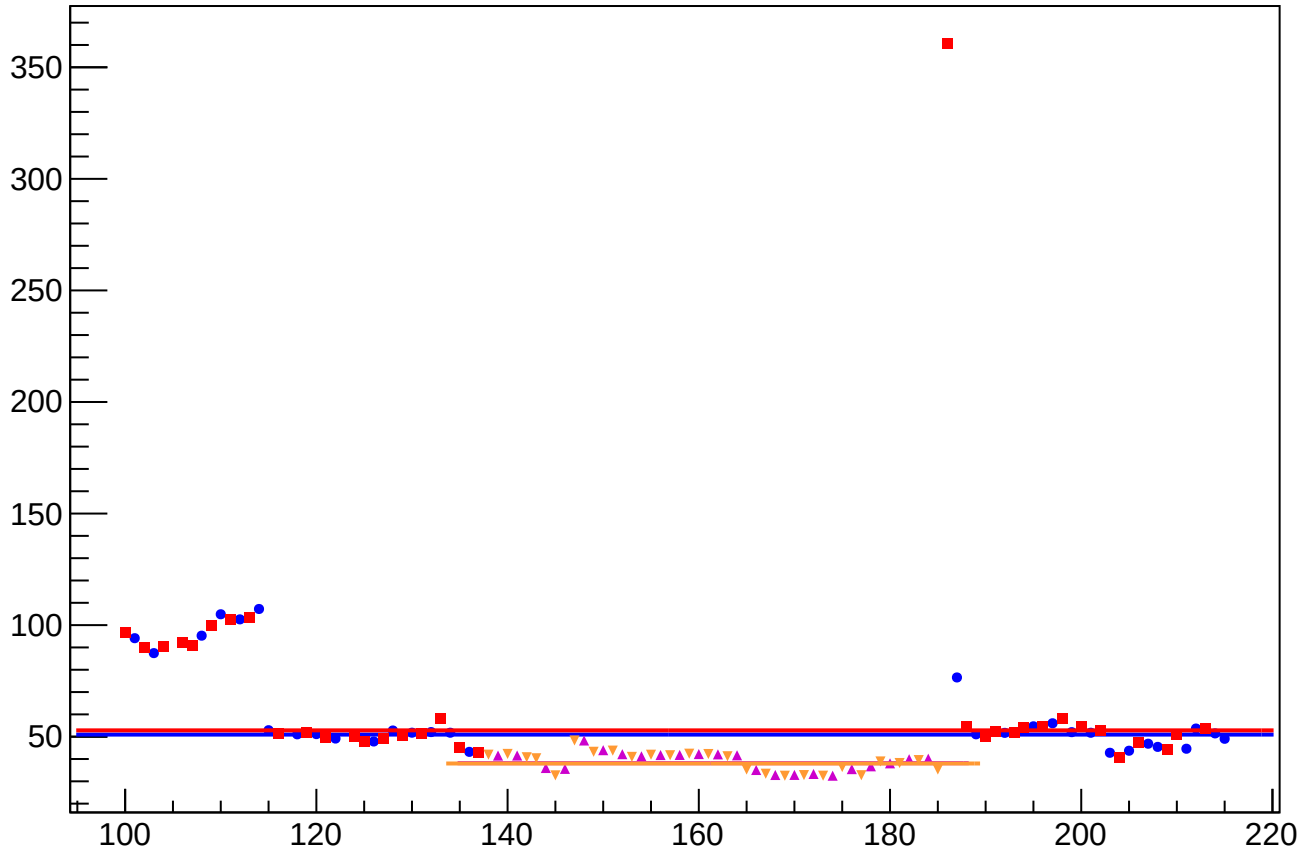
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -33.219+/-8.614 χ^2/NDF: 64.0/64

In: -14.535+/-7.158 χ^2/NDF:70.1/53

Out: 25.415+/-7.144 χ^2/NDF:82.3/58

All: 5.478+/-5.057 χ^2/NDF: 167.9/112



Right In: 50.945+/-0.008 χ^2/NDF: 1484476.2/30

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.837+/-0.009 χ^2/NDF: 2229890.7/33

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

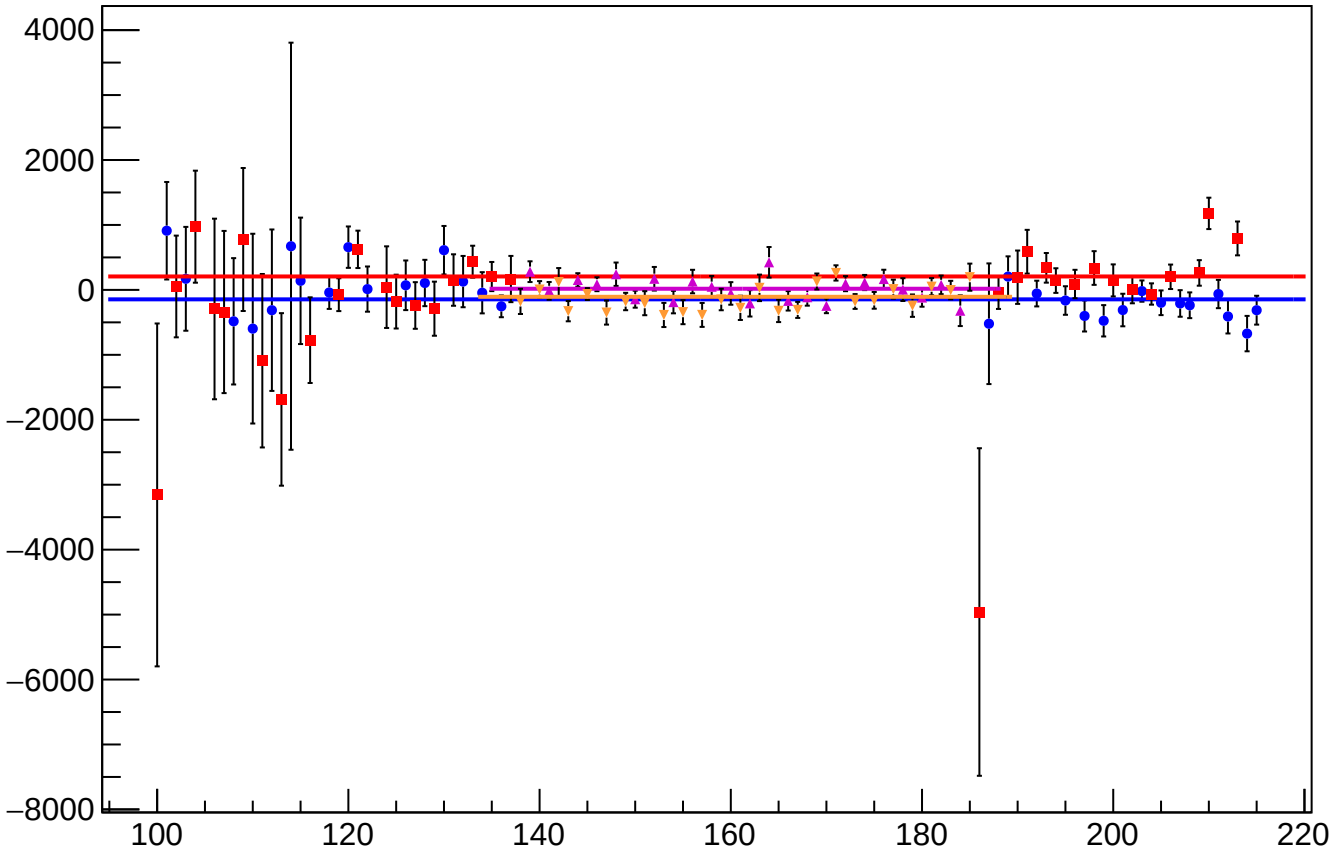
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.840+/-0.006 χ^2/NDF: 3738420.9/64

In: 42.794+/-0.005 χ^2/NDF:3395955.8/53

Out: 42.821+/-0.005 χ^2/NDF:4639523.7/58

All: 42.808+/-0.004 χ^2/NDF: 8035492.8/112



Right In: -145.758+/-49.610 χ^2/NDF: 26.7/30

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 206.729+/-50.901 χ^2/NDF: 48.9/33

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

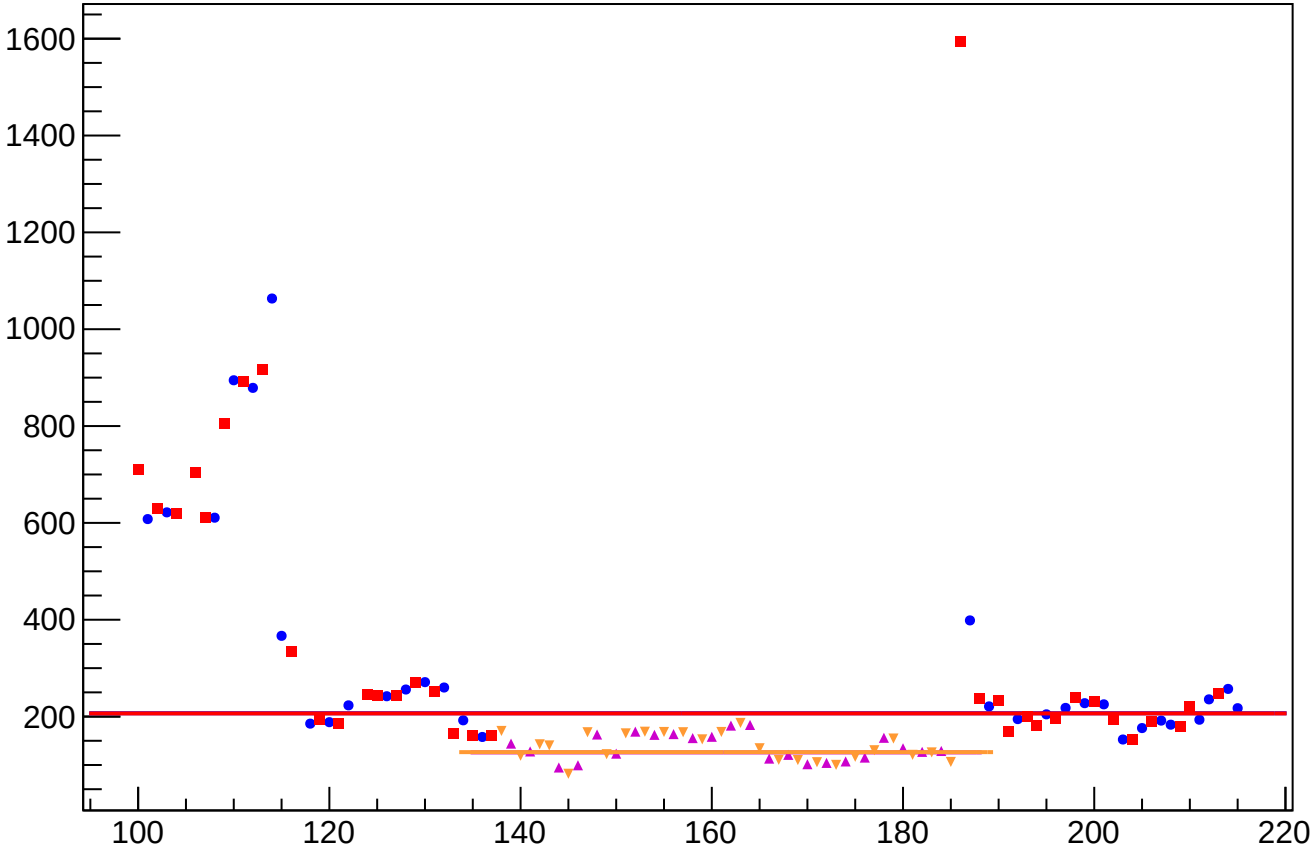
Right: 25.961+/-35.527 χ^2/NDF: 100.3/64

In: -26.597+/-25.787 χ^2/NDF:62.9/53

Out: -27.494+/-25.564 χ^2/NDF:114.9/58

All: -27.050+/-18.155 χ^2/NDF: 177.8/112

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 206.871+/-0.035 χ^2/NDF: 3577902.1/30

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.498+/-0.036 χ^2/NDF: 4754358.4/33

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

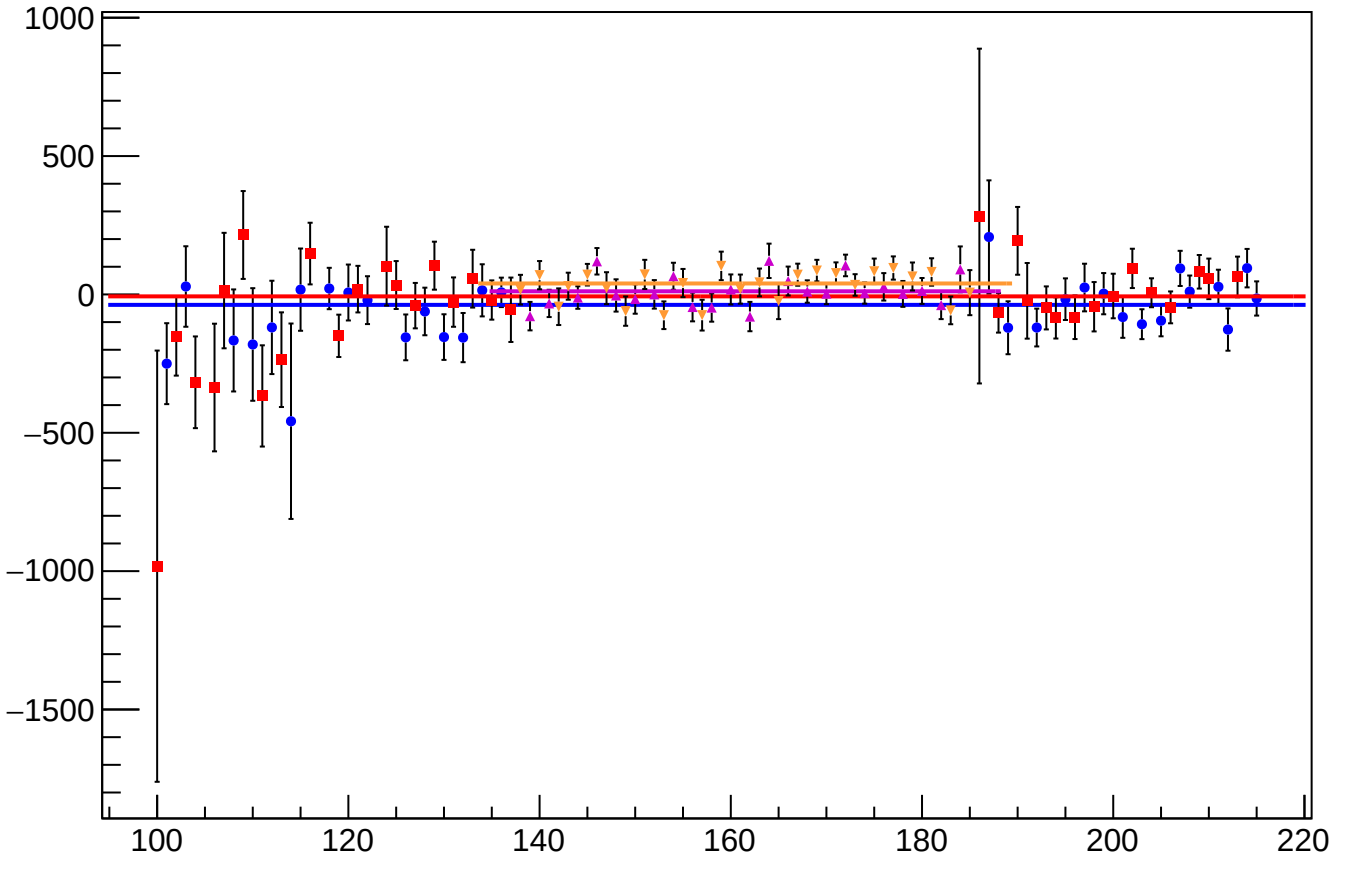
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.689+/-0.025 χ^2/NDF: 8332315.7/64

In: 147.860+/-0.018 χ^2/NDF:8866006.3/53

Out: 146.724+/-0.018 χ^2/NDF:10200929.5/58

All: 147.287+/-0.013 χ^2/NDF: 19068891.4/1



Right In: -37.758+/-14.453 χ^2/NDF: 31.6/30

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -7.044+/-15.444 χ^2/NDF: 37.0/33

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

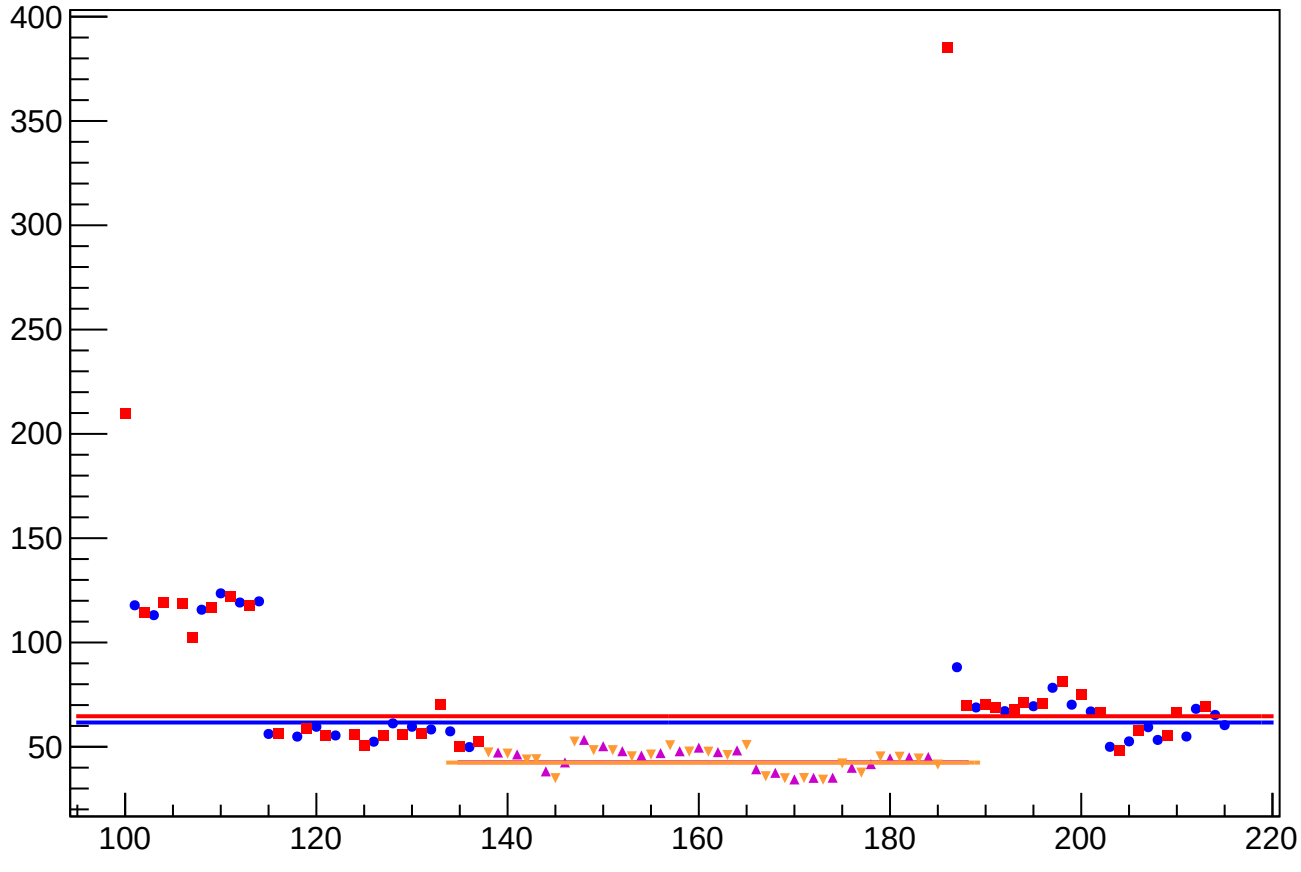
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -23.417+/-10.553 χ^2/NDF: 70.7/64

In: -4.743+/-8.266 χ^2/NDF:67.3/53

Out: 26.290+/-8.242 χ^2/NDF:73.1/58

All: 10.820+/-5.836 χ^2/NDF: 147.5/112



Right In: 61.645+/-0.010 χ^2/NDF: 1773836.1/30

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 64.648+/-0.011 χ^2/NDF: 2584131.2/33

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

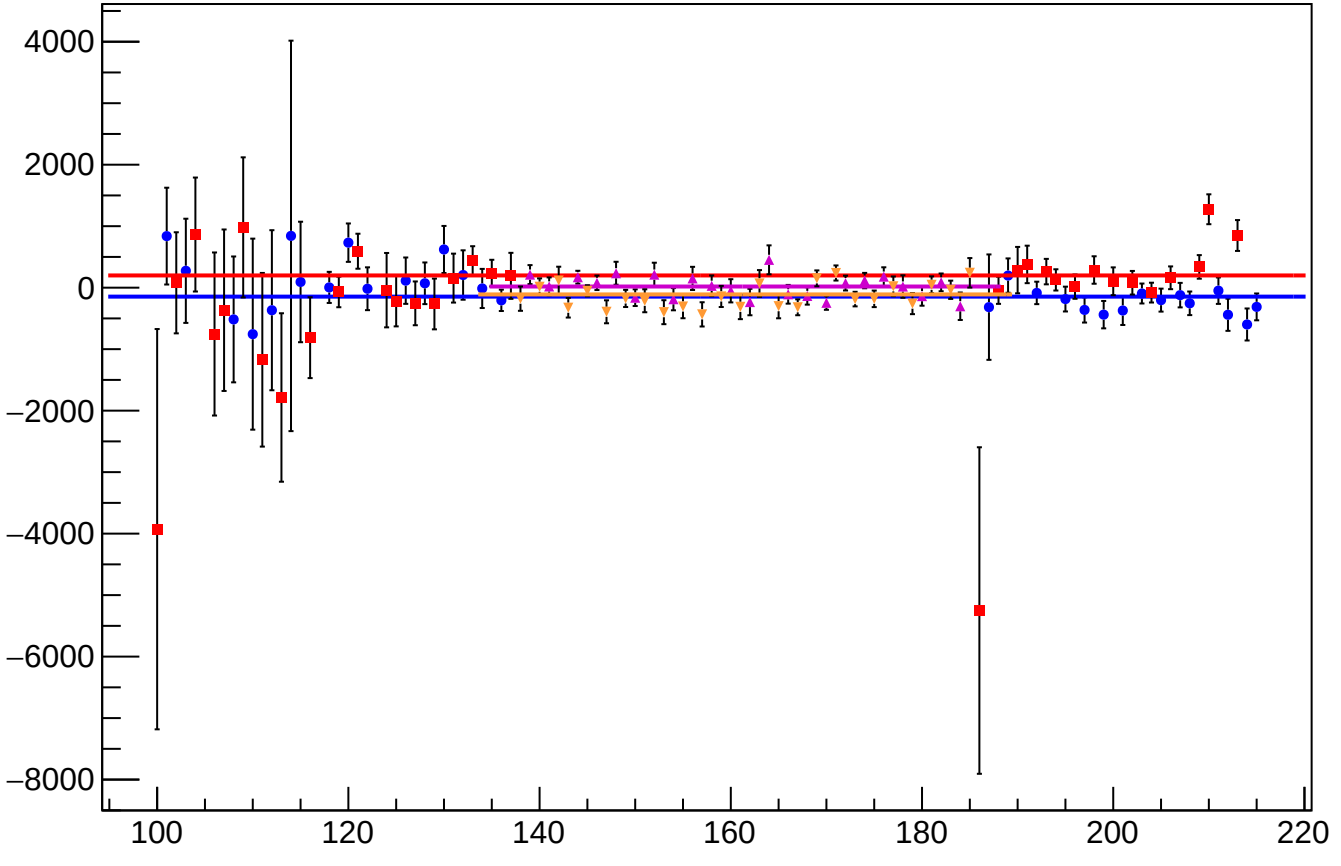
Right: 63.047+/-0.007 χ^2/NDF: 4398279.3/64

In: 48.815+/-0.006 χ^2/NDF:4705545.1/53

Out: 48.755+/-0.006 χ^2/NDF:6244407.0/58

All: 48.785+/-0.004 χ^2/NDF: 10950006.5/112

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -145.570+/-48.005 χ^2/NDF: 27.7/30

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 198.869+/-48.399 χ^2/NDF: 54.5/33

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

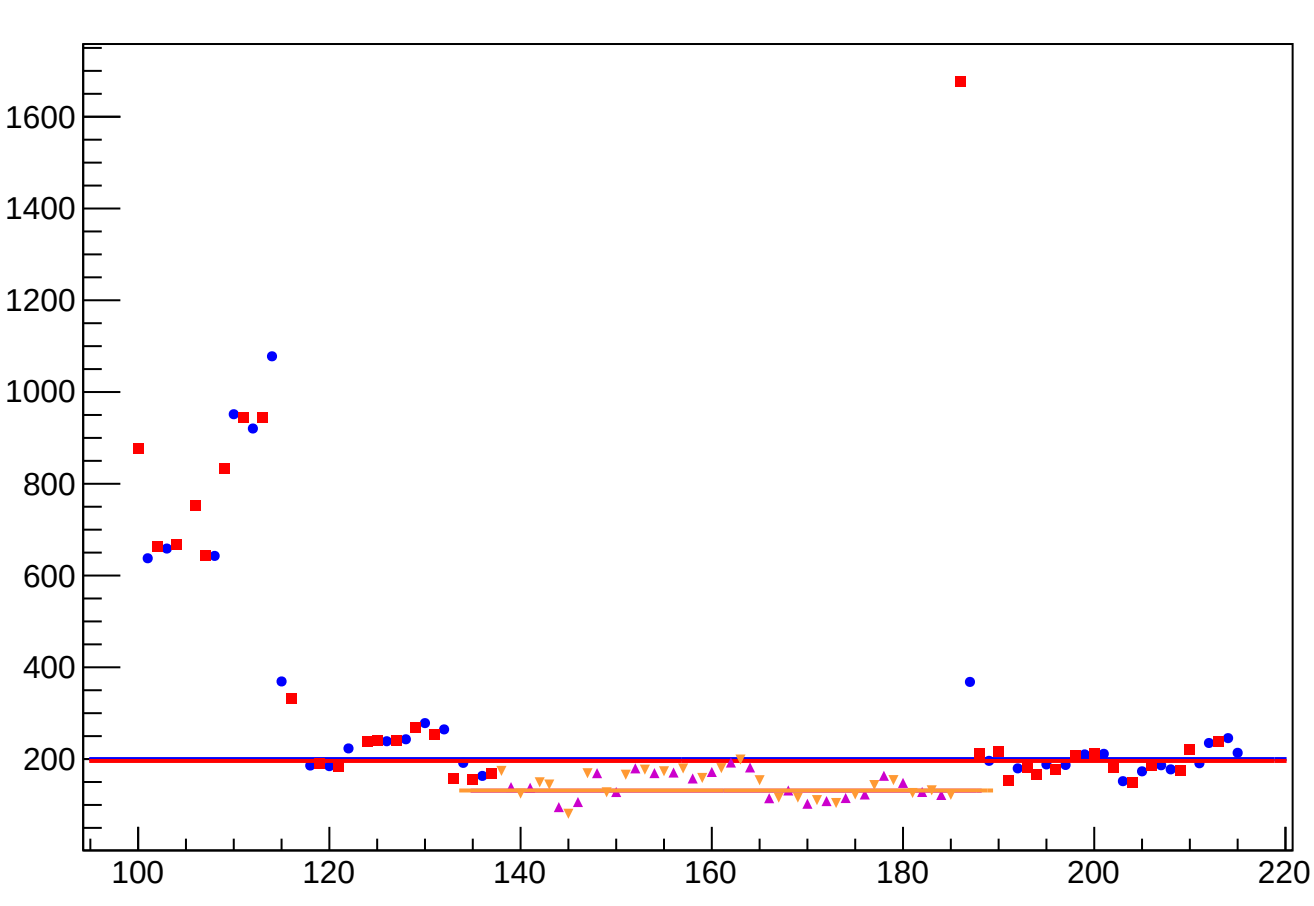
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 25.243+/-34.083 χ^2/NDF: 107.7/64

In: -30.594+/-26.323 χ^2/NDF:63.1/53

Out: -21.048+/-25.960 χ^2/NDF:119.7/58

All: -25.755+/-18.483 χ^2/NDF: 182.9/112



Right In: 199.957+/-0.034 χ^2/NDF: 3661837.7/30

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 195.880+/-0.034 χ^2/NDF: 5069342.6/33

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

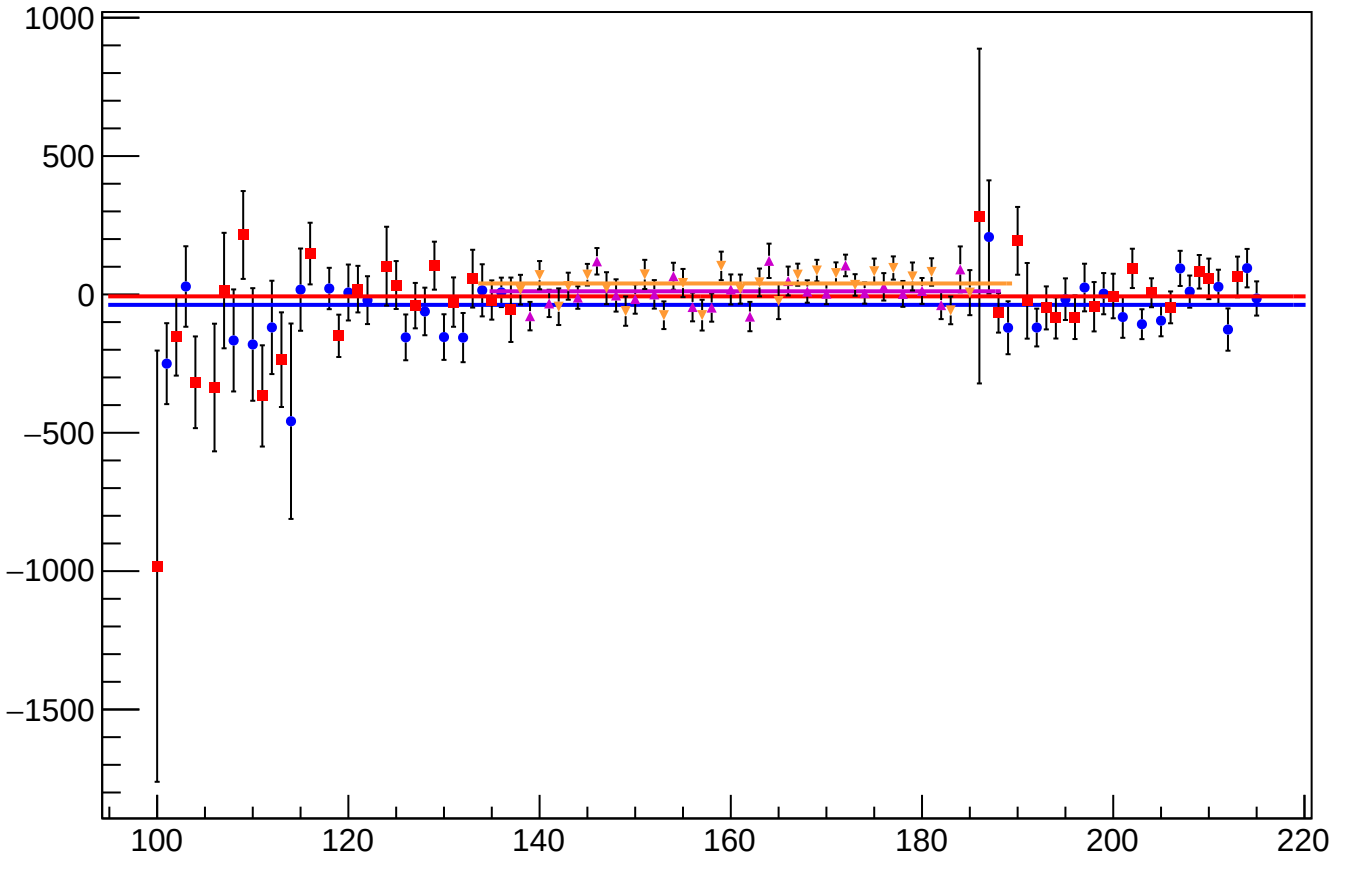
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 197.935+/-0.024 χ^2/NDF: 8738334.9/64

In: 151.785+/-0.019 χ^2/NDF:8009459.1/53

Out: 150.032+/-0.018 χ^2/NDF:9491833.1/58

All: 150.896+/-0.013 χ^2/NDF: 17505785.2/1



Right In: -37.757+/-14.453 χ^2/NDF: 31.6/30

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -7.045+/-15.444 χ^2/NDF: 37.0/33

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

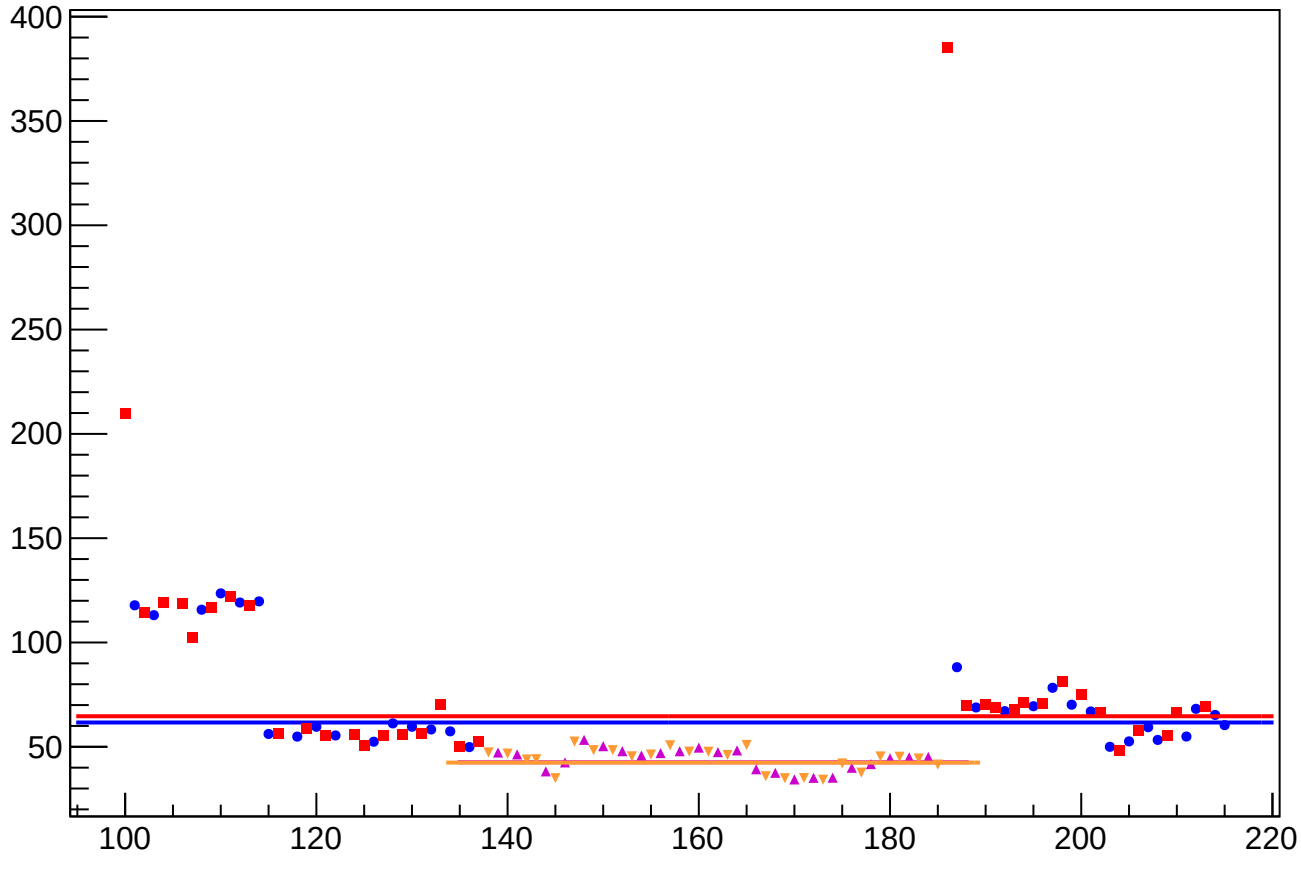
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -23.417+/-10.553 χ^2/NDF: 70.7/64

In: -4.743+/-8.266 χ^2/NDF:67.3/53

Out: 26.291+/-8.242 χ^2/NDF:73.1/58

All: 10.820+/-5.836 χ^2/NDF: 147.5/112



Right In: 61.645+/-0.010 χ^2/NDF: 1773826.2/30

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 64.648+/-0.011 χ^2/NDF: 2584104.7/33

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

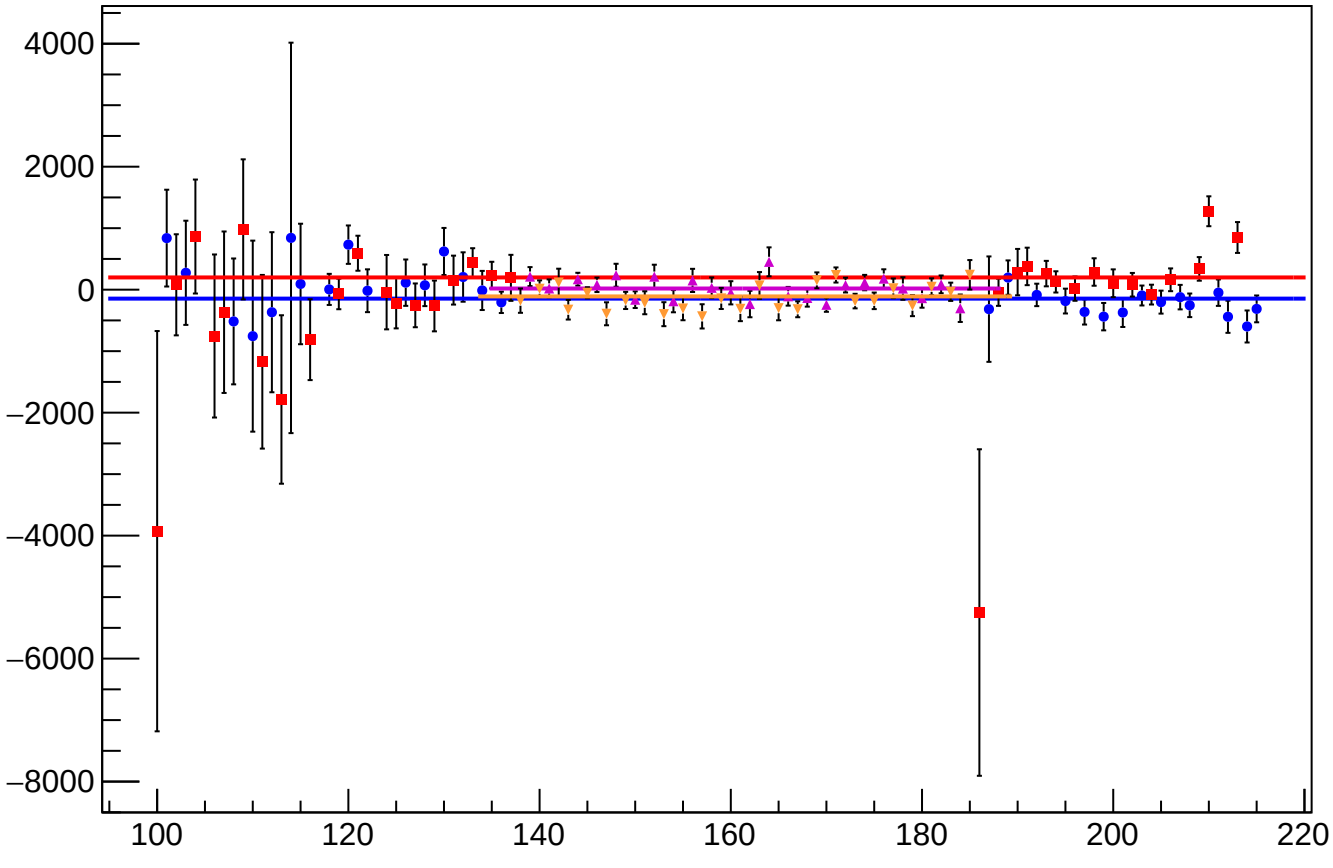
Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

Right: 63.047+/-0.007 χ^2/NDF: 4398248.6/64

In: 48.815+/-0.006 χ^2/NDF:4705530.0/53

Out: 48.755+/-0.006 χ^2/NDF:6244456.1/58

All: 48.785+/-0.004 χ^2/NDF: 10950040.5/112



Right In: -145.571+/-48.005 χ^2/NDF: 27.7/30

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 198.867+/-48.399 χ^2/NDF: 54.5/33

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

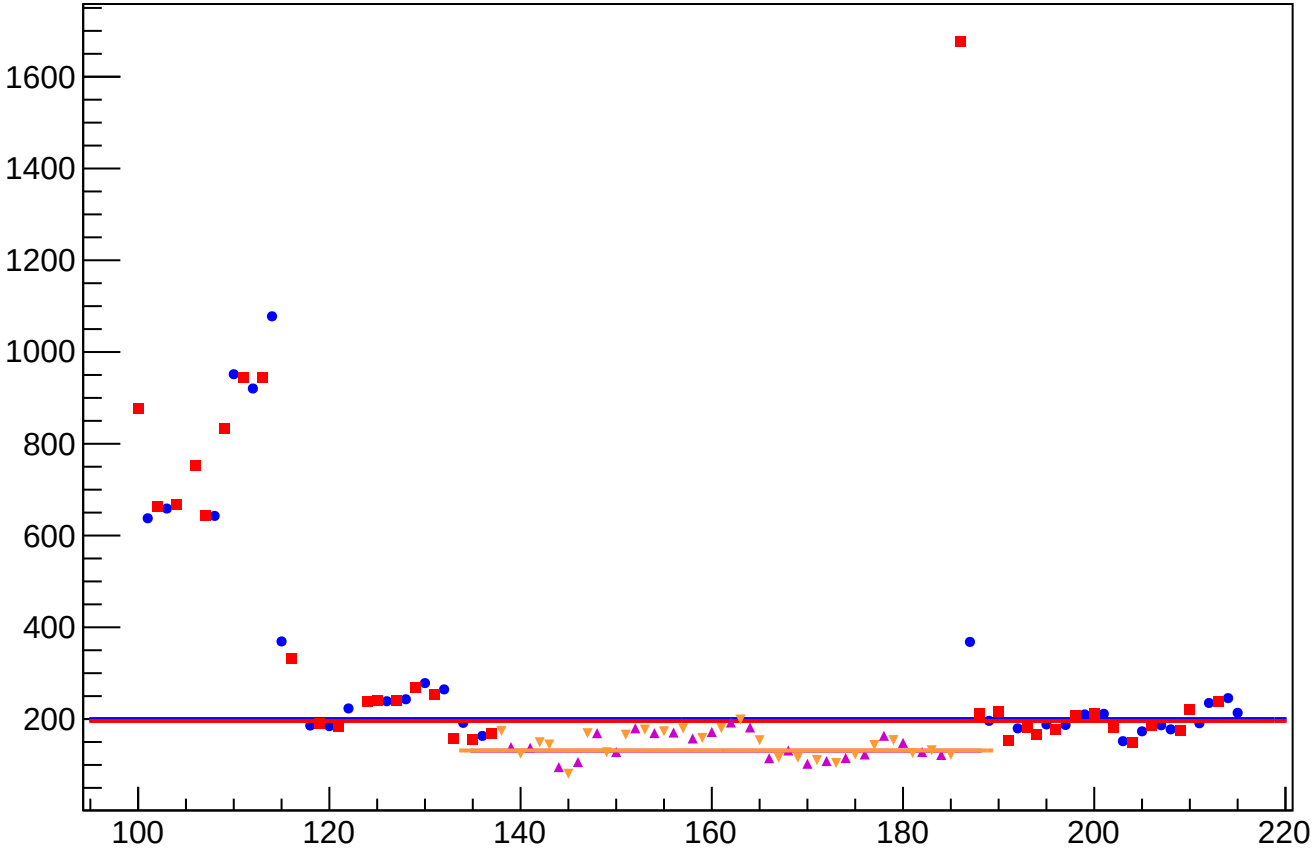
Right: 25.241+/-34.083 χ^2/NDF: 107.7/64

In: -30.594+/-26.323 χ^2/NDF:63.1/53

Out: -21.048+/-25.960 χ^2/NDF:119.7/58

All: -25.755+/-18.483 χ^2/NDF: 182.9/112

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 199.957+/-0.034 χ^2/NDF: 3661838.0/30

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 195.879+/-0.034 χ^2/NDF: 5069350.7/33

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

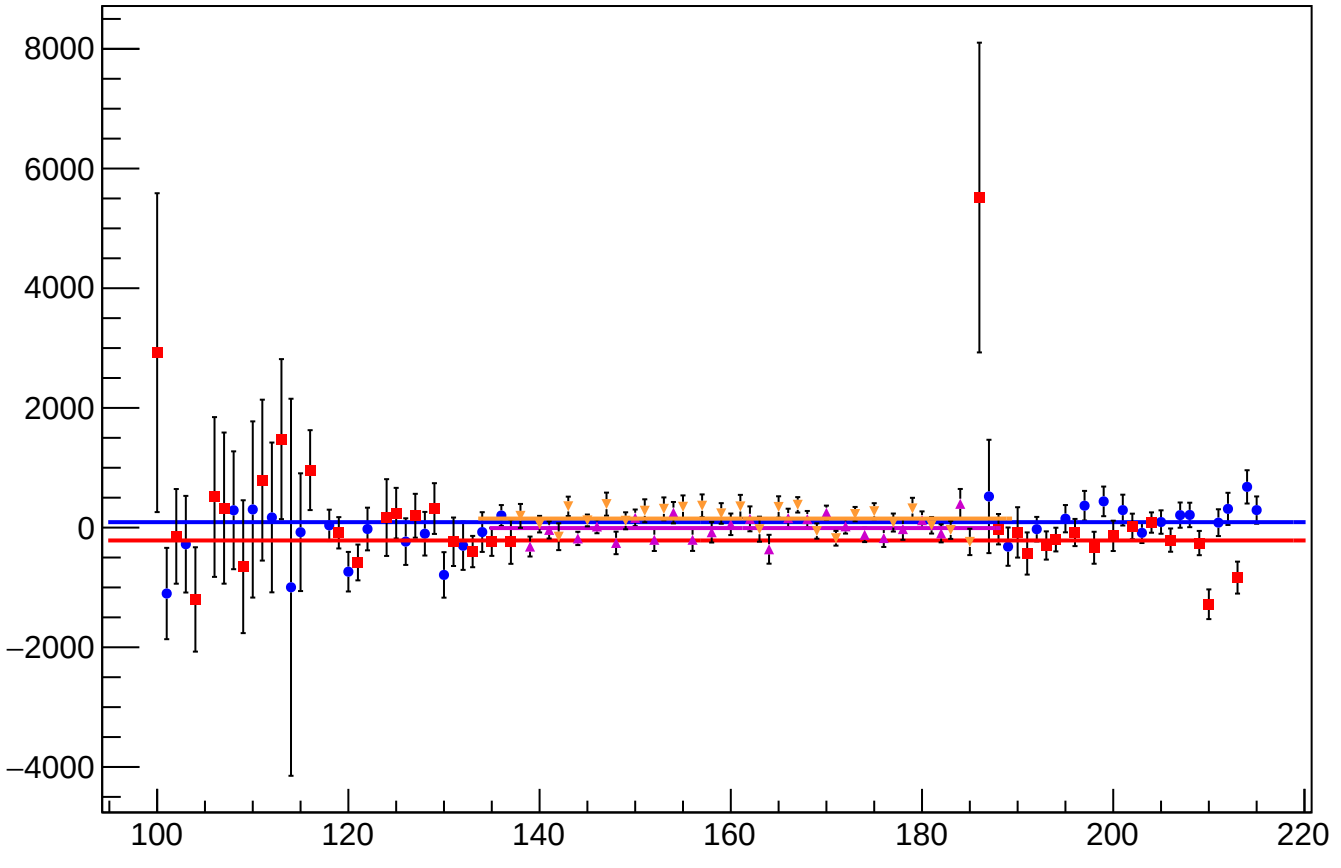
Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

Right: 197.935+/-0.024 χ^2/NDF: 8738343.4/64

In: 151.785+/-0.019 χ^2/NDF:8009406.3/53

Out: 150.032+/-0.018 χ^2/NDF:9491775.6/58

All: 150.896+/-0.013 χ^2/NDF: 17505674.9/1



Right In: 91.055+/-51.159 χ^2/NDF: 31.0/30

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -215.041+/-52.622 χ^2/NDF: 50.1/33

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

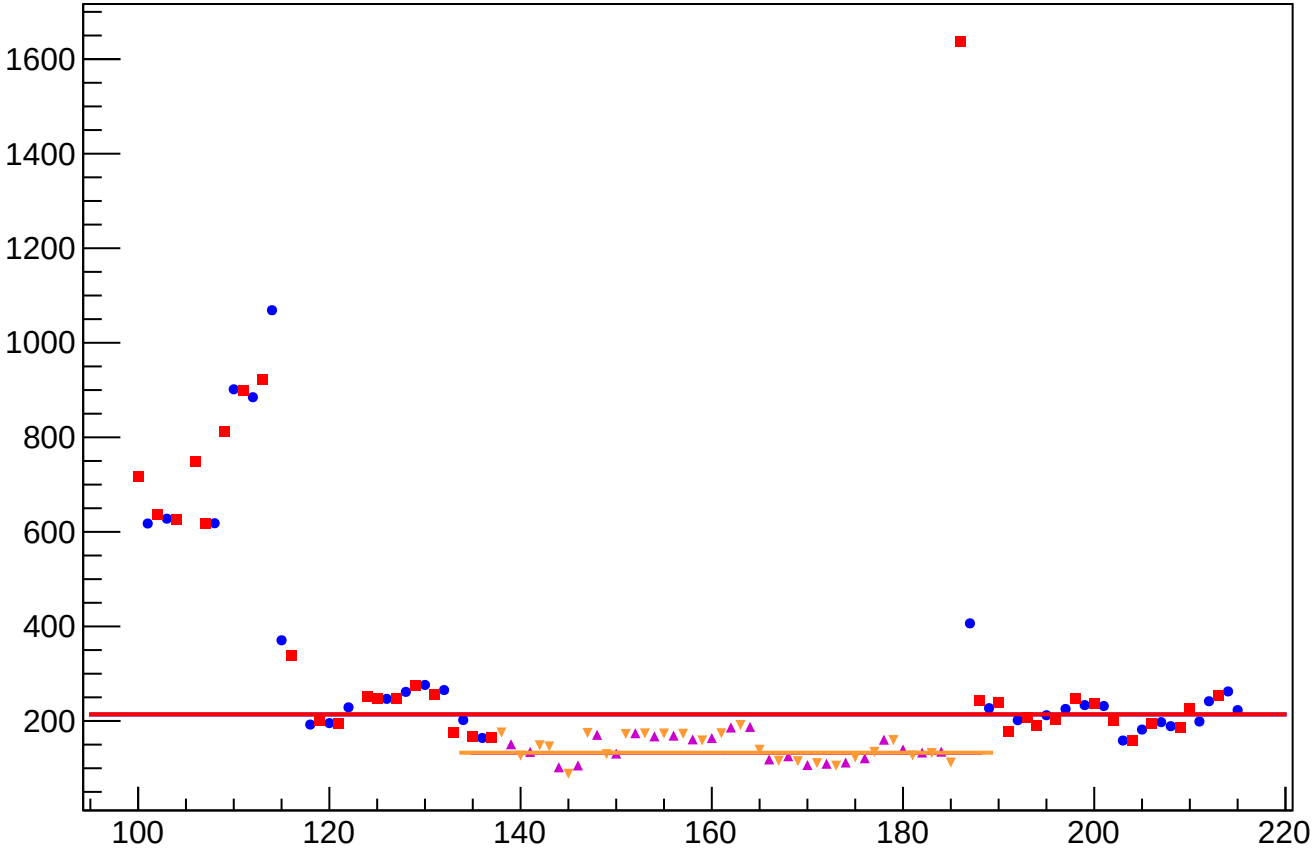
Right: -57.677+/-36.681 χ^2/NDF: 98.5/64

In: 19.425+/-26.898 χ^2/NDF:63.2/53

Out: 56.994+/-26.679 χ^2/NDF:119.2/58

All: 38.363+/-18.942 χ^2/NDF: 183.3/112

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 213.683+/-0.036 χ^2/NDF: 3478598.9/30

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 214.118+/-0.037 χ^2/NDF: 4698698.1/33

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

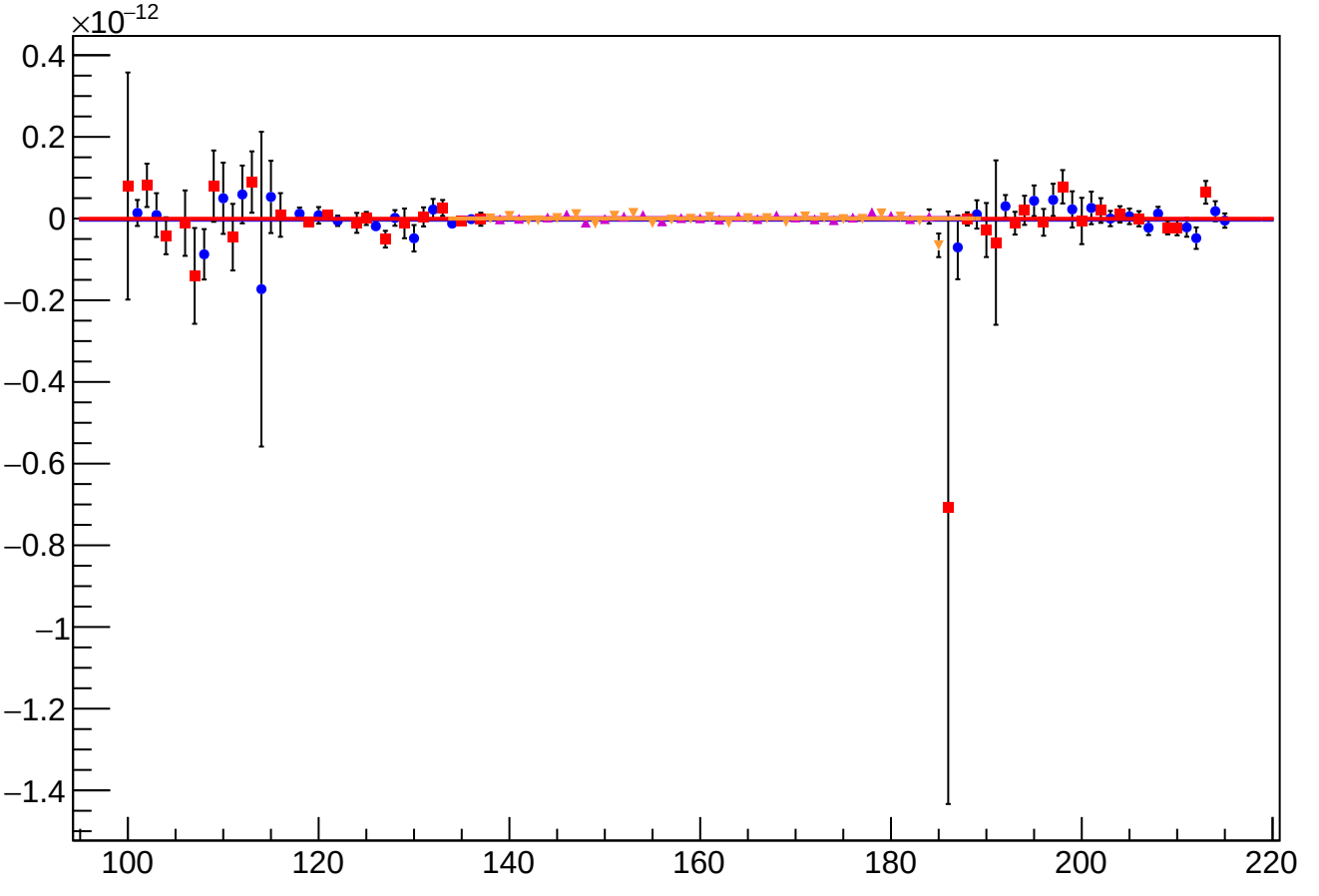
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 213.894+/-0.026 χ^2/NDF: 8177367.1/64

In: 154.827+/-0.019 χ^2/NDF:8414763.2/53

Out: 153.758+/-0.019 χ^2/NDF:9832750.2/58

All: 154.288+/-0.013 χ^2/NDF: 18249107.5/12



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/33

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

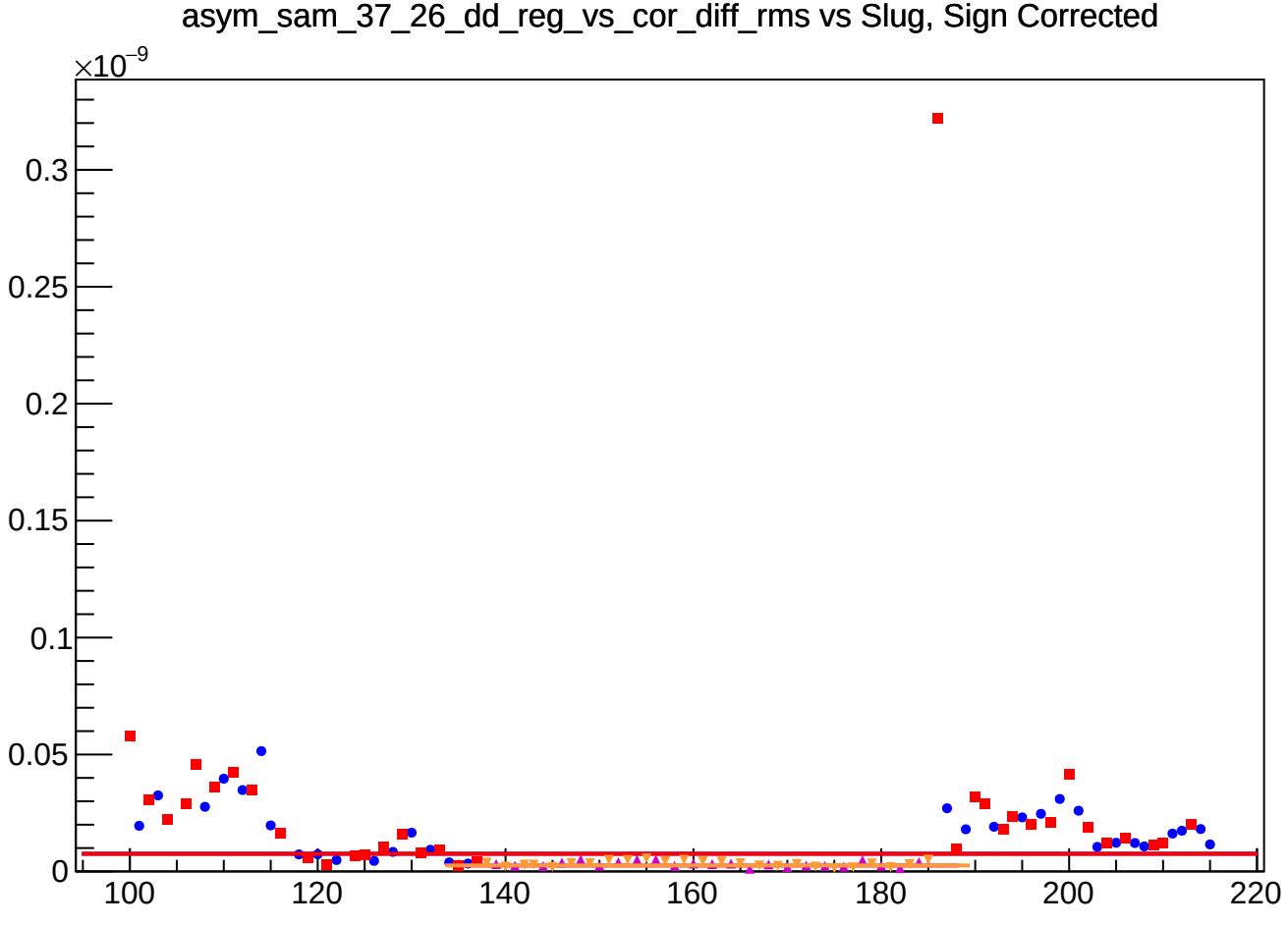
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 57.2/64

In: 0.000+/-0.000 χ^2/NDF:40.7/53

Out: 0.000+/-0.000 χ^2/NDF:65.0/58

All: 0.000+/-0.000 χ^2/NDF: 105.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 7248102.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7928684.8/33

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

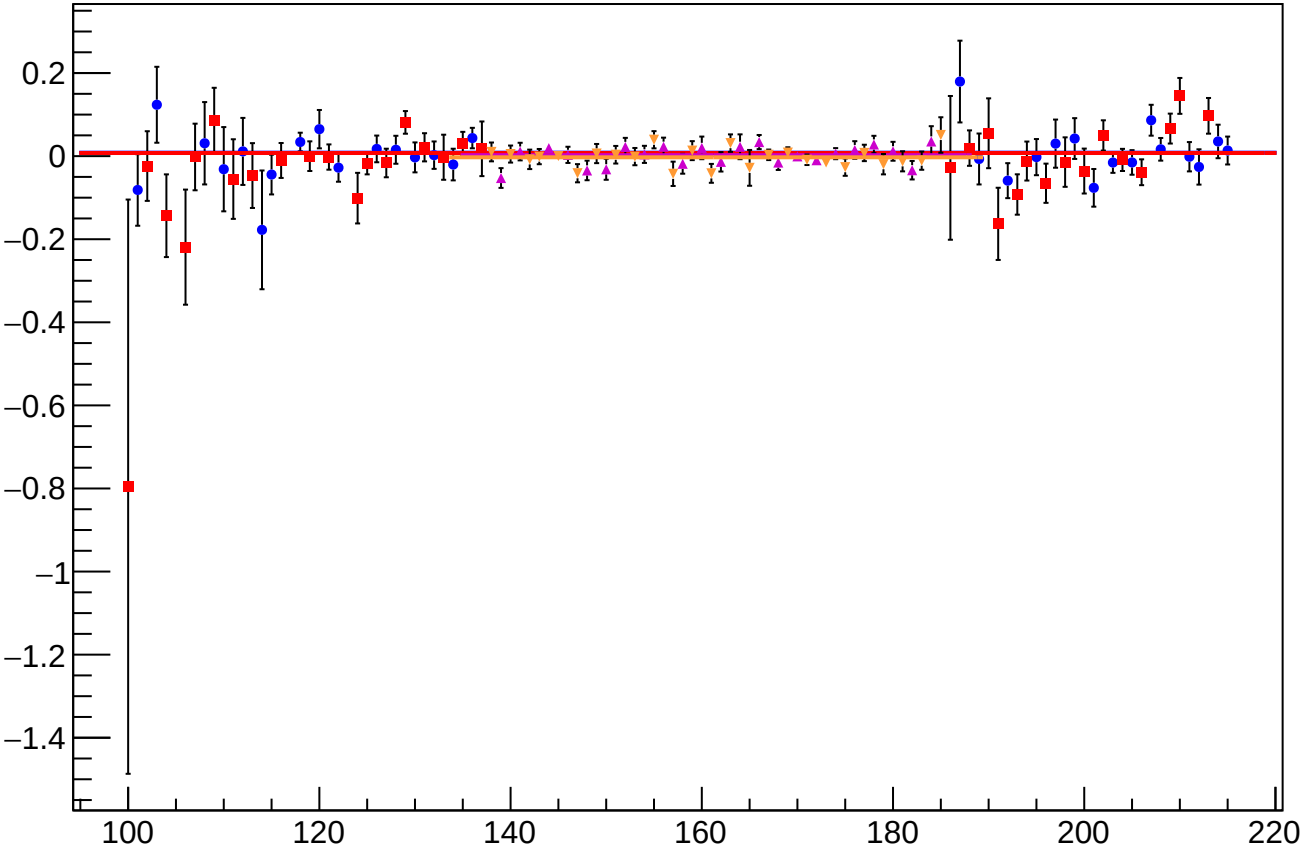
Right: 0.000+/-0.000 χ^2/NDF: 15176854.5/64

In: 0.000+/-0.000 χ^2/NDF:13355861.4/53

Out: 0.000+/-0.000 χ^2/NDF:14010423.8/58

All: 0.000+/-0.000 χ^2/NDF: 27368138.9/112

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/30

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.008 χ^2/NDF: 54.4/33

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

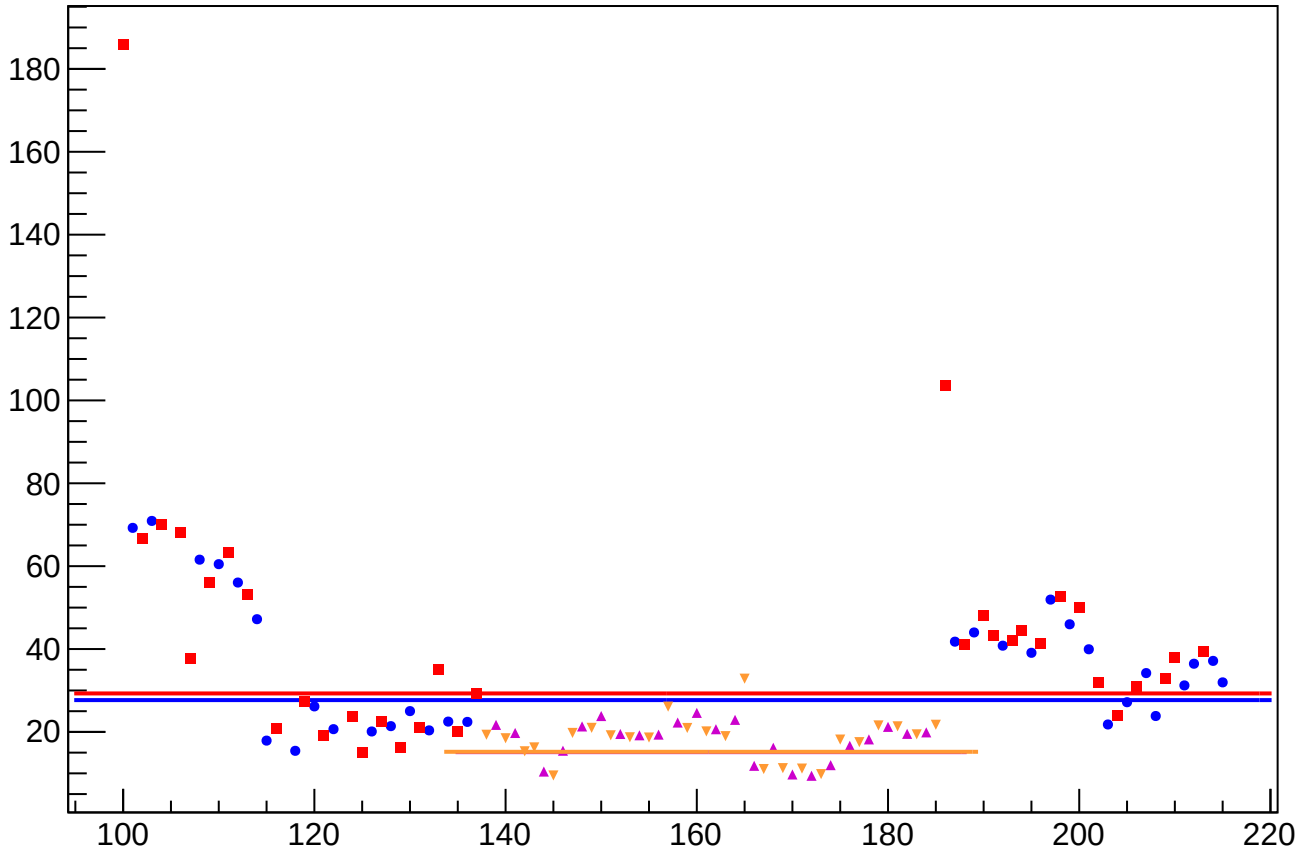
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.008+/-0.005 χ^2/NDF: 84.1/64

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 136.7/112



Right In: 27.677+/-0.005 χ^2/NDF: 4582370.9/30

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 29.285+/-0.005 χ^2/NDF: 5547031.7/33

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

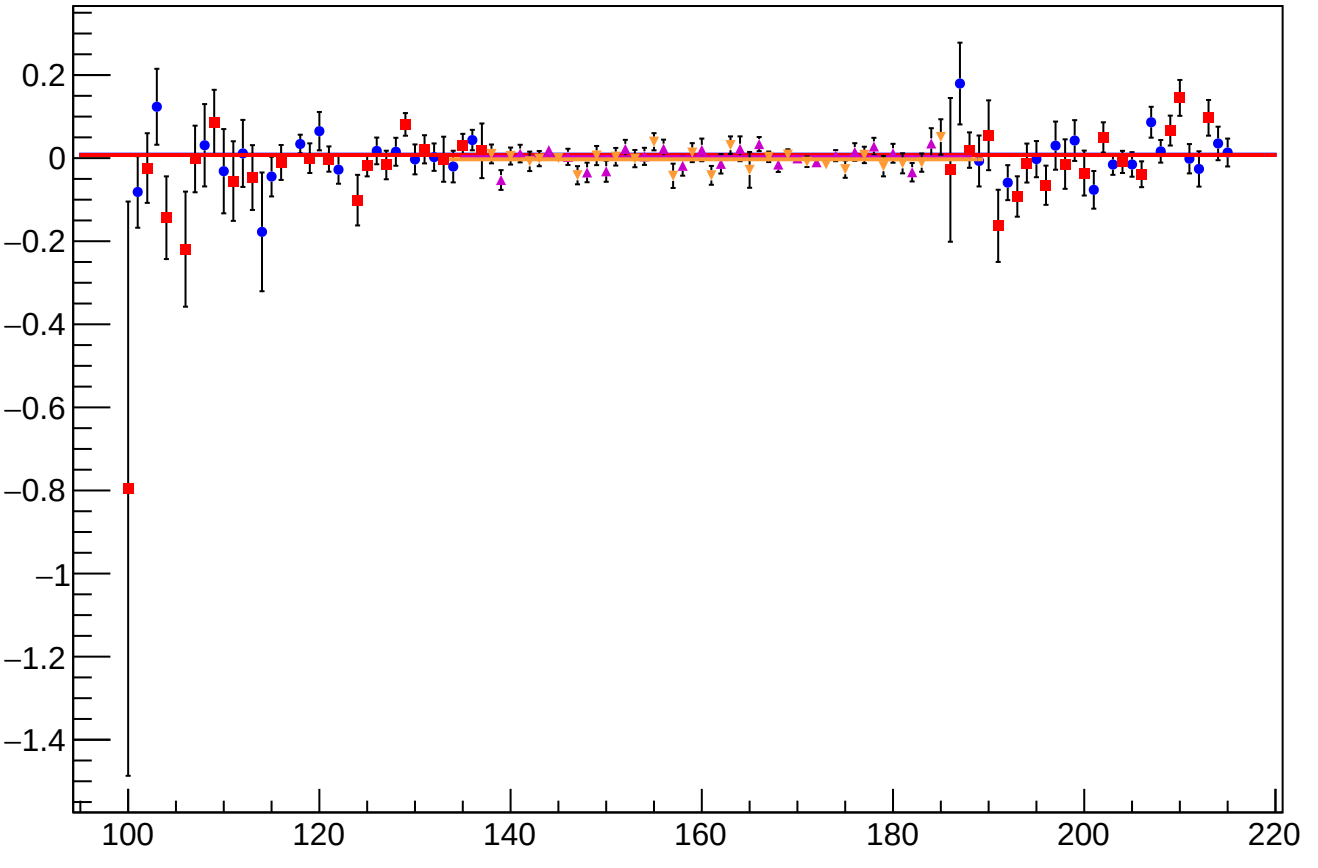
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 28.419+/-0.004 χ^2/NDF: 10178785.8/64

In: 18.033+/-0.002 χ^2/NDF:12992024.7/53

Out: 17.957+/-0.002 χ^2/NDF:14643246.5/58

All: 17.995+/-0.002 χ^2/NDF: 27635792.3/112



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/30

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.008 χ^2/NDF: 54.4/33

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

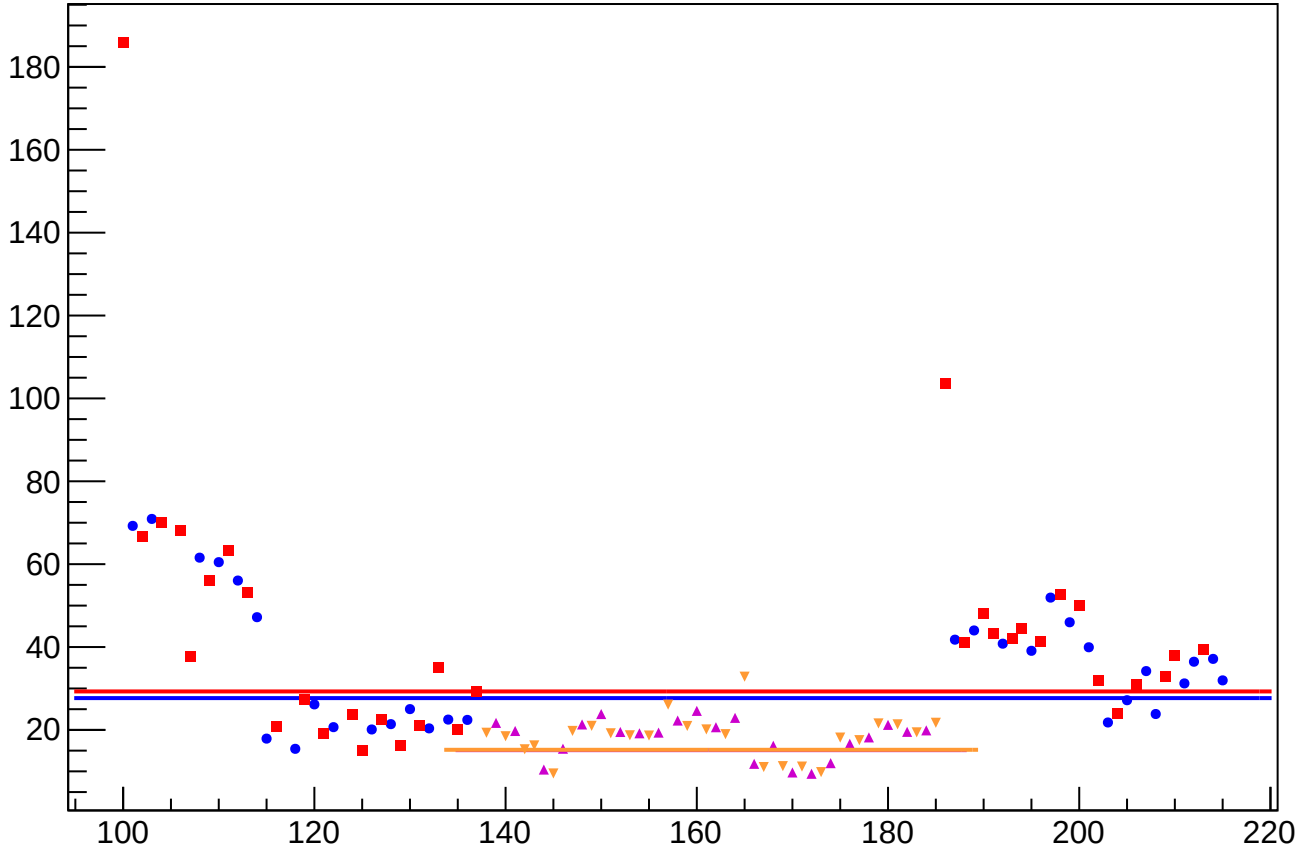
Right: 0.008+/-0.005 χ^2/NDF: 84.1/64

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 136.7/112

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.677+/-0.005 χ^2/NDF: 4582370.9/30

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 29.285+/-0.005 χ^2/NDF: 5547031.7/33

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

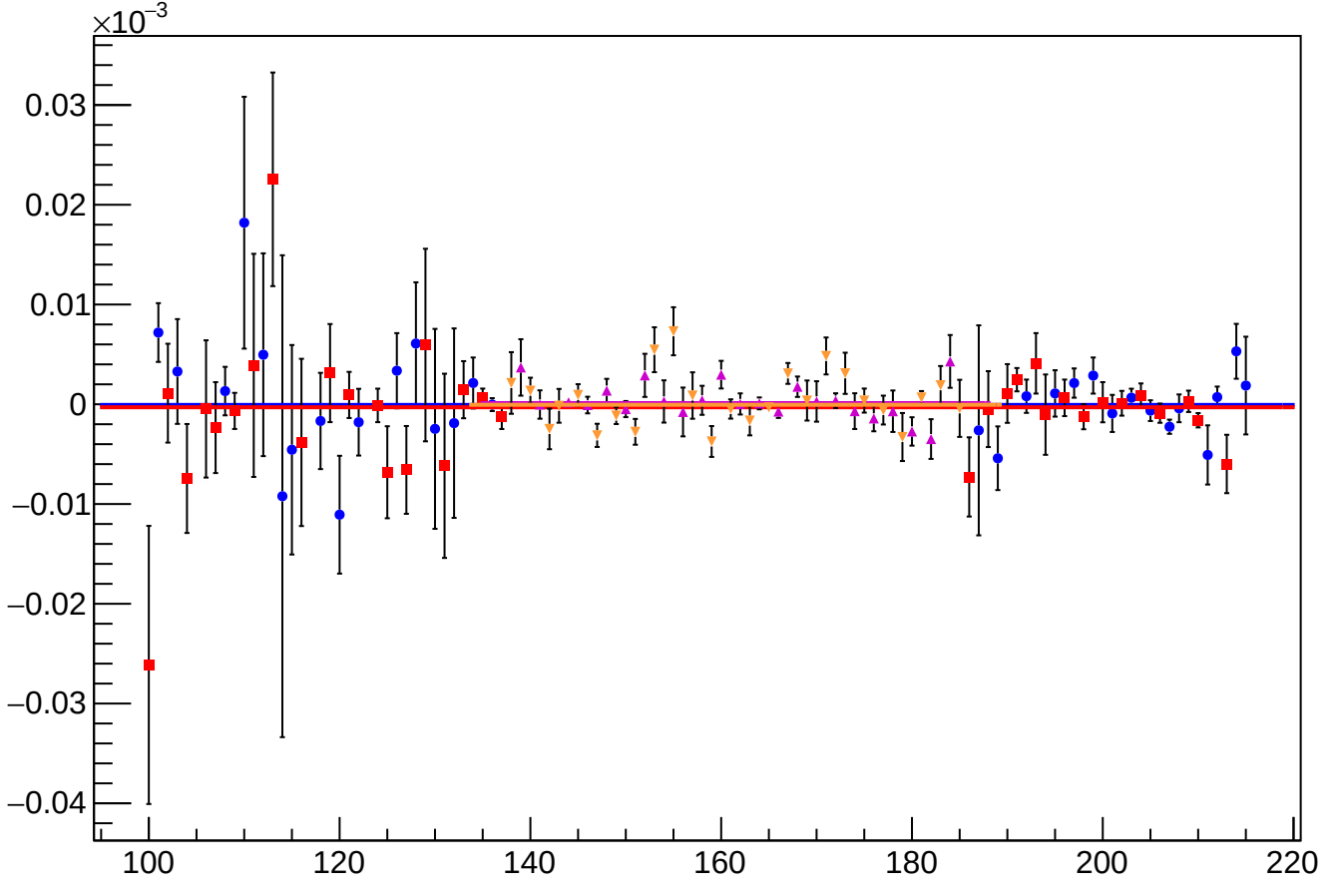
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 28.419+/-0.004 χ^2/NDF: 10178785.8/64

In: 18.033+/-0.002 χ^2/NDF:12992024.7/53

Out: 17.957+/-0.002 χ^2/NDF:14643246.5/58

All: 17.995+/-0.002 χ^2/NDF: 27635792.3/112



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.7/33

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

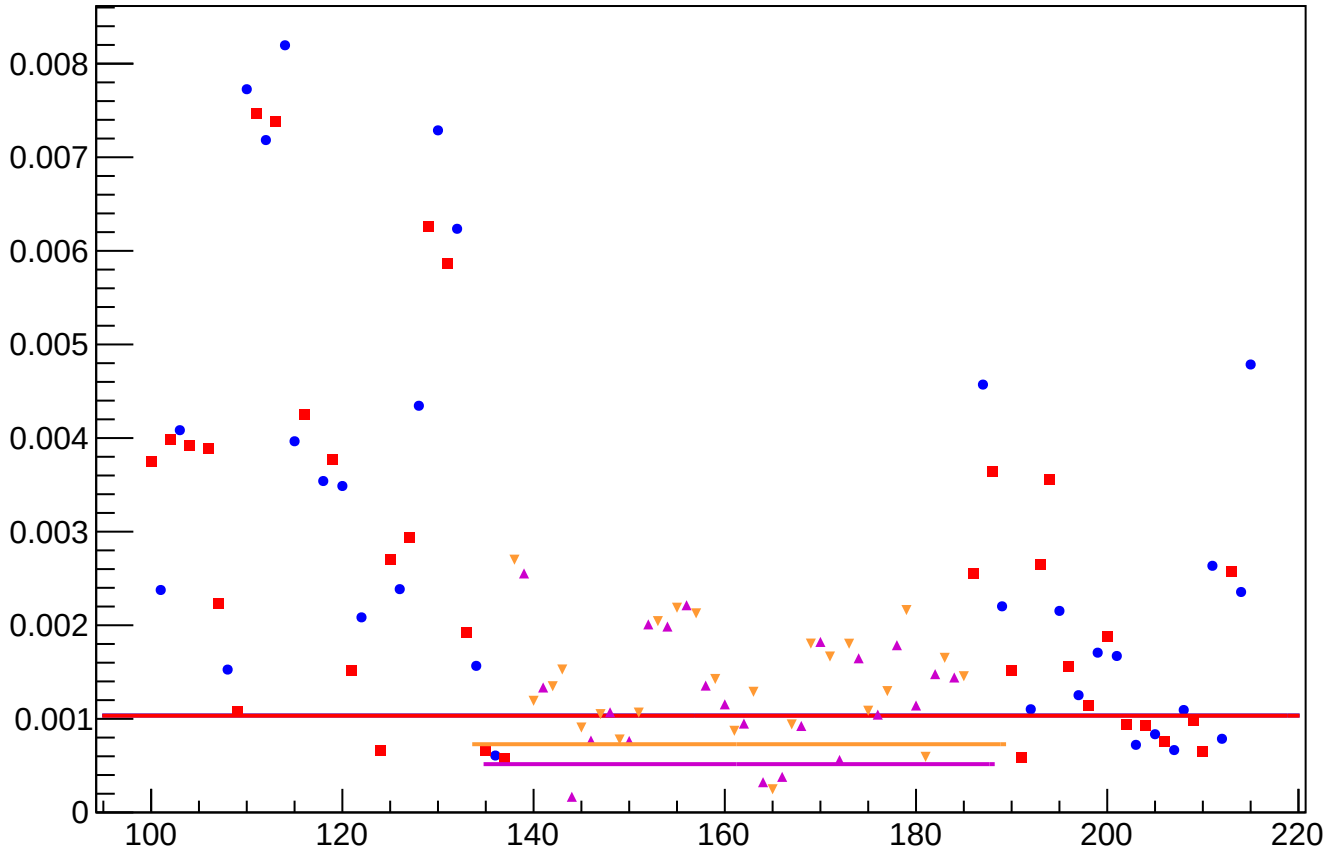
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 81.3/64

In: 0.000+/-0.000 χ^2/NDF:68.1/53

Out: -0.000+/-0.000 χ^2/NDF:102.0/58

All: -0.000+/-0.000 χ^2/NDF: 170.8/112



Right In: 0.001+/-0.000 χ^2/NDF: 11749769.1/30

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11620620.8/33

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

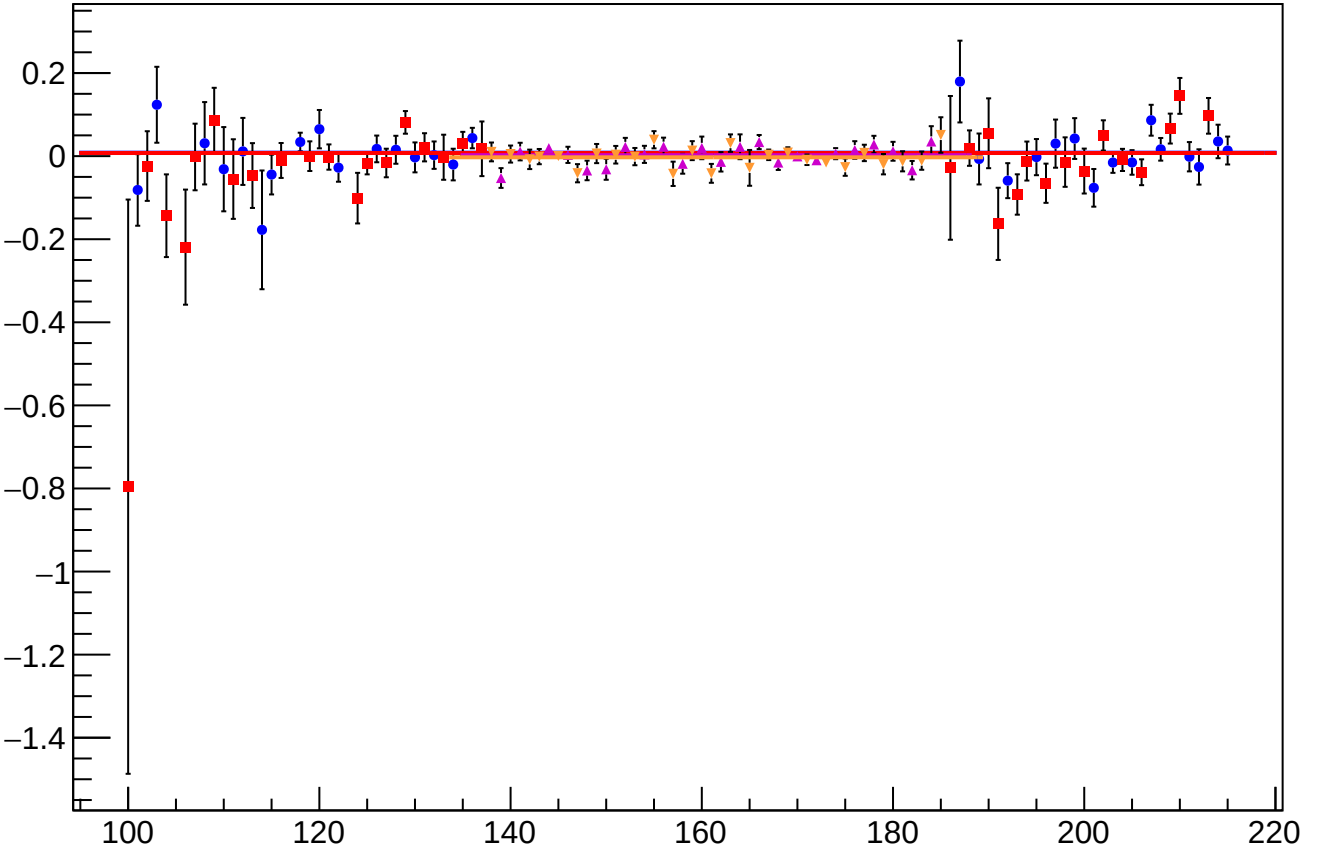
Right: 0.001+/-0.000 χ^2/NDF: 23370444.1/64

In: 0.001+/-0.000 χ^2/NDF:31140985.4/53

Out: 0.001+/-0.000 χ^2/NDF:26106801.1/58

All: 0.001+/-0.000 χ^2/NDF: 58496439.4/112

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/30

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.008 χ^2/NDF: 54.4/33

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

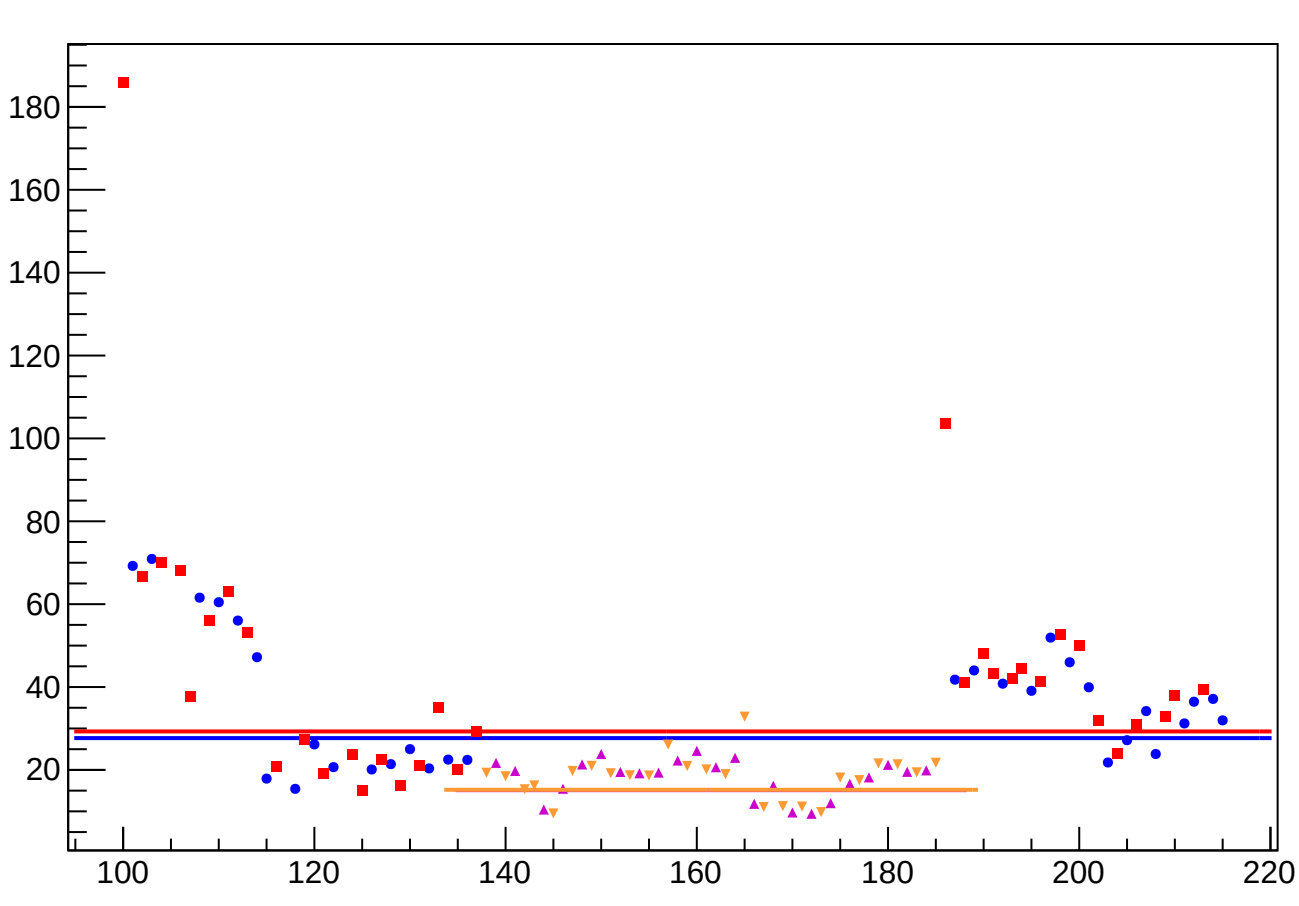
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.008+/-0.005 χ^2/NDF: 84.1/64

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 136.7/112



Right In: 27.676+/-0.005 χ^2/NDF: 4582741.5/30

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 29.285+/-0.005 χ^2/NDF: 5547231.9/33

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

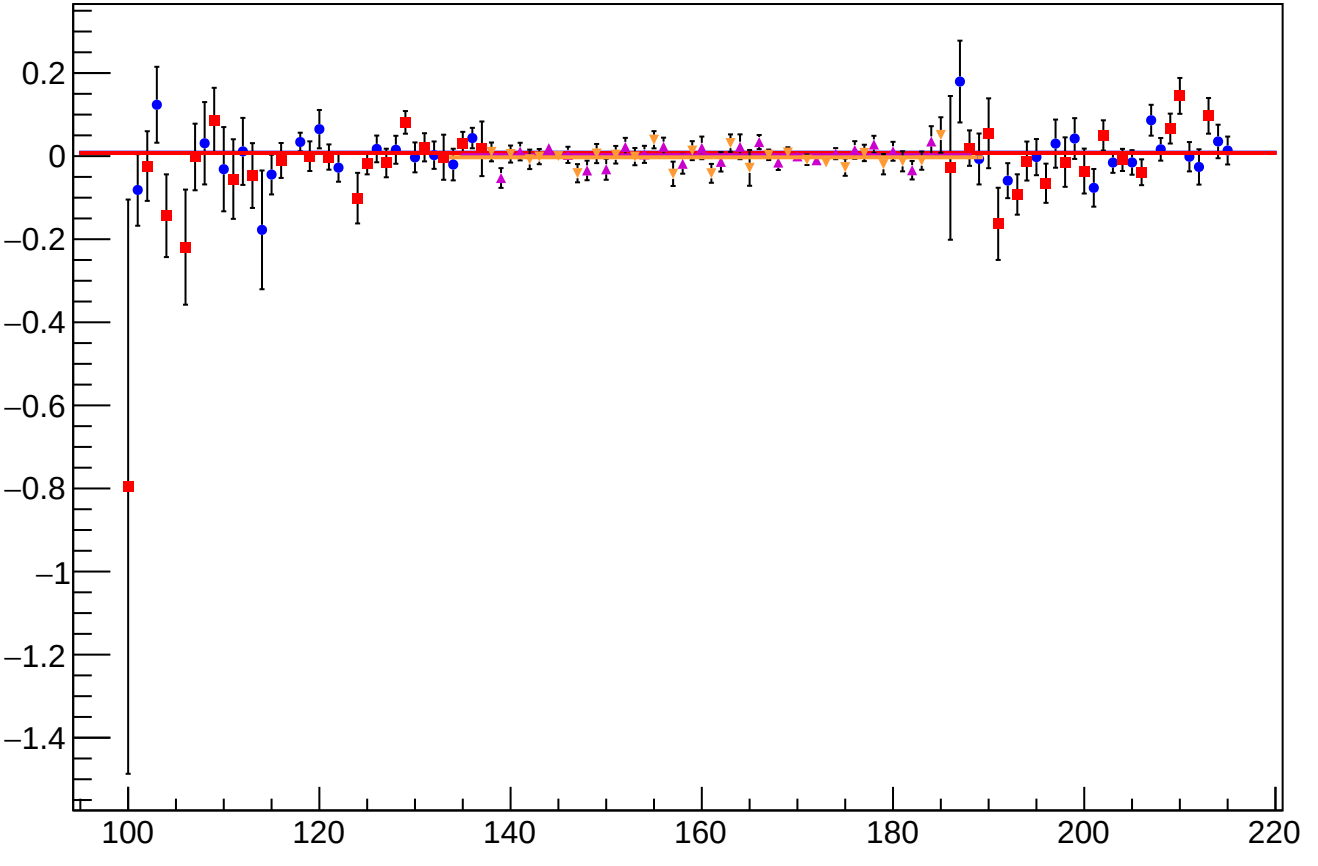
Right: 28.419+/-0.004 χ^2/NDF: 10179385.4/64

In: 18.033+/-0.002 χ^2/NDF:12991933.7/53

Out: 17.957+/-0.002 χ^2/NDF:14643353.3/58

All: 17.995+/-0.002 χ^2/NDF: 27635808.1/112

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/30

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.008 χ^2/NDF: 54.4/33

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

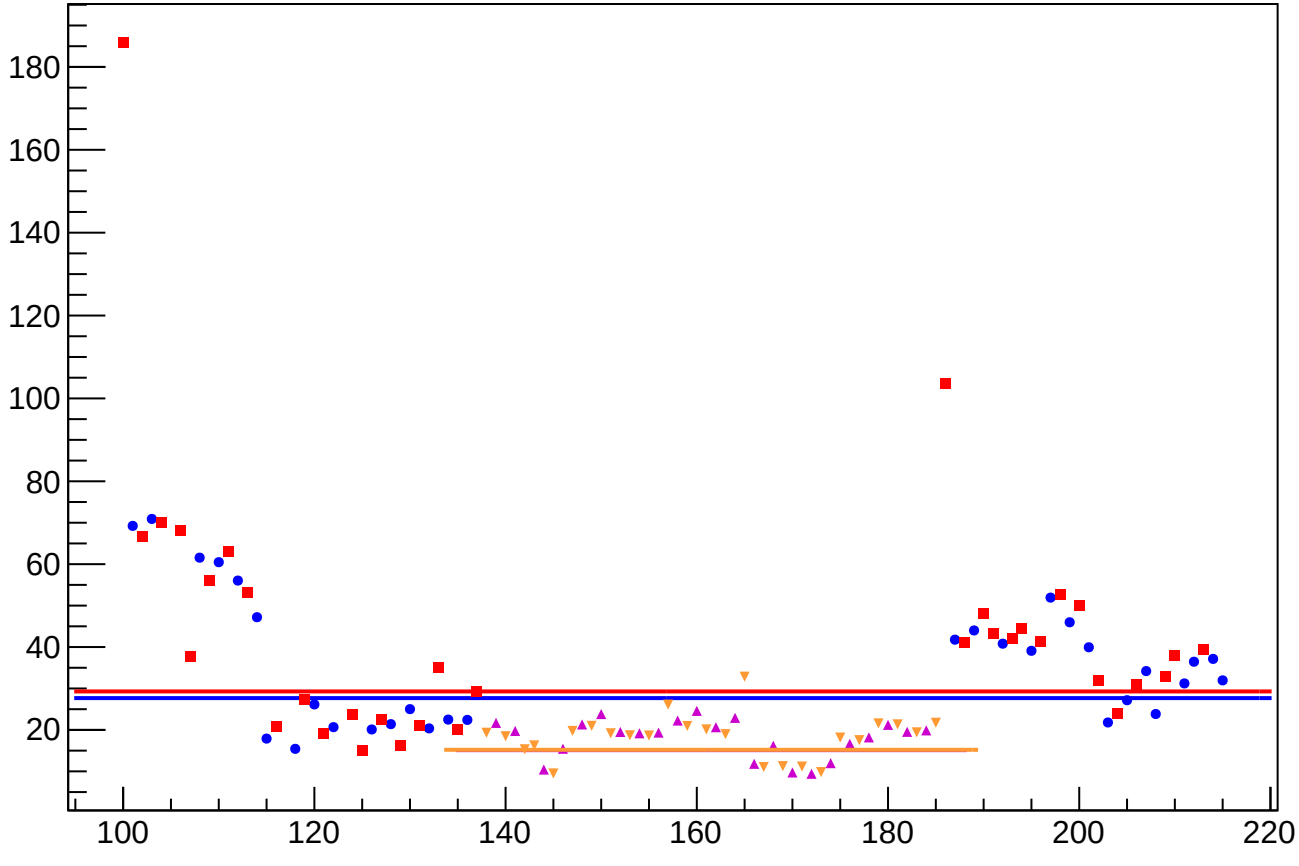
Right: 0.008+/-0.005 χ^2/NDF: 84.1/64

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: -0.001+/-0.003 χ^2/NDF:78.6/58

All: 0.001+/-0.002 χ^2/NDF: 136.7/112

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.676+/-0.005 χ^2/NDF: 4582741.5/30

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 29.285+/-0.005 χ^2/NDF: 5547231.9/33

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

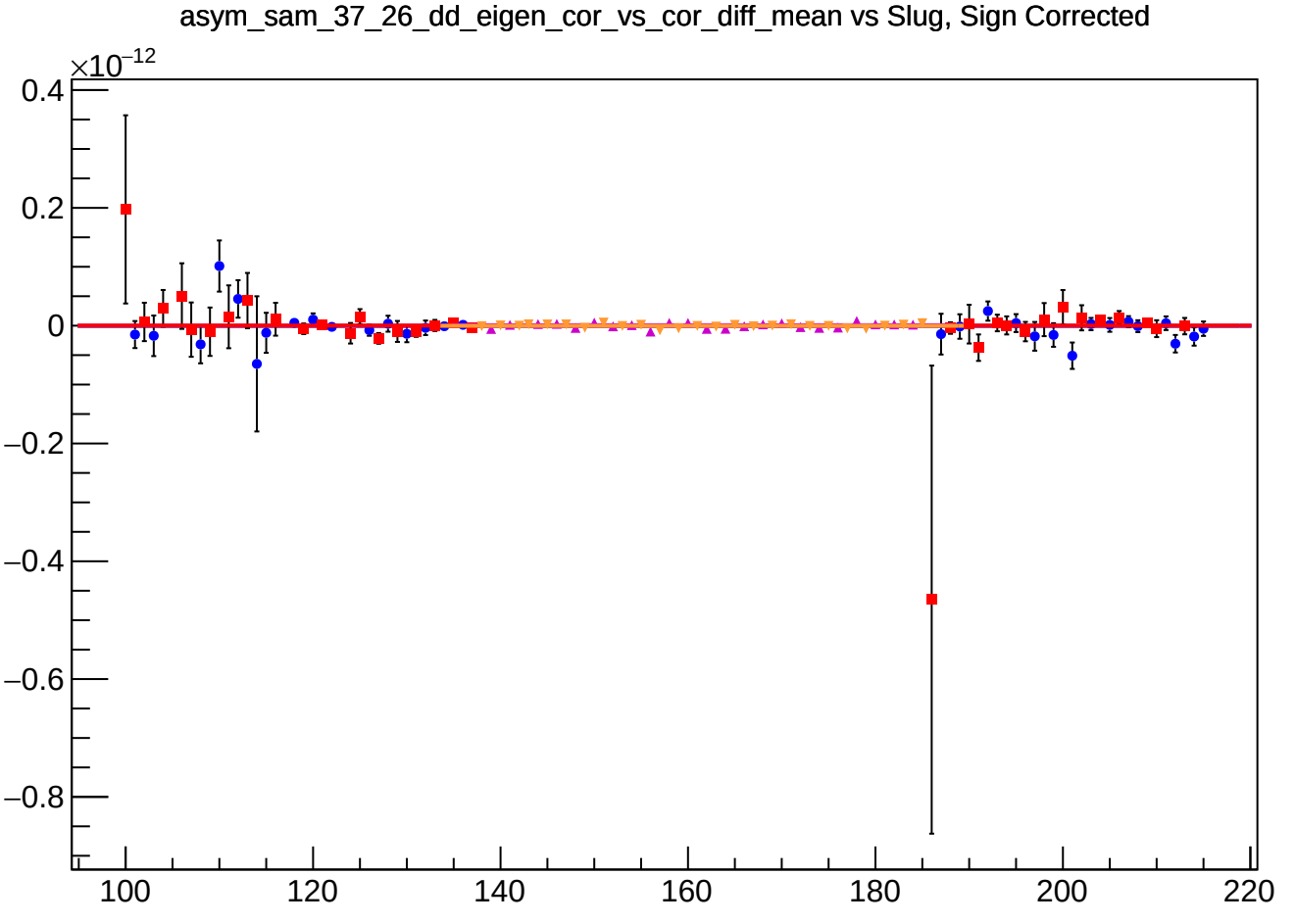
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 28.419+/-0.004 χ^2/NDF: 10179385.4/64

In: 18.033+/-0.002 χ^2/NDF:12991933.7/53

Out: 17.957+/-0.002 χ^2/NDF:14643353.3/58

All: 17.995+/-0.002 χ^2/NDF: 27635808.1/112



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/33

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

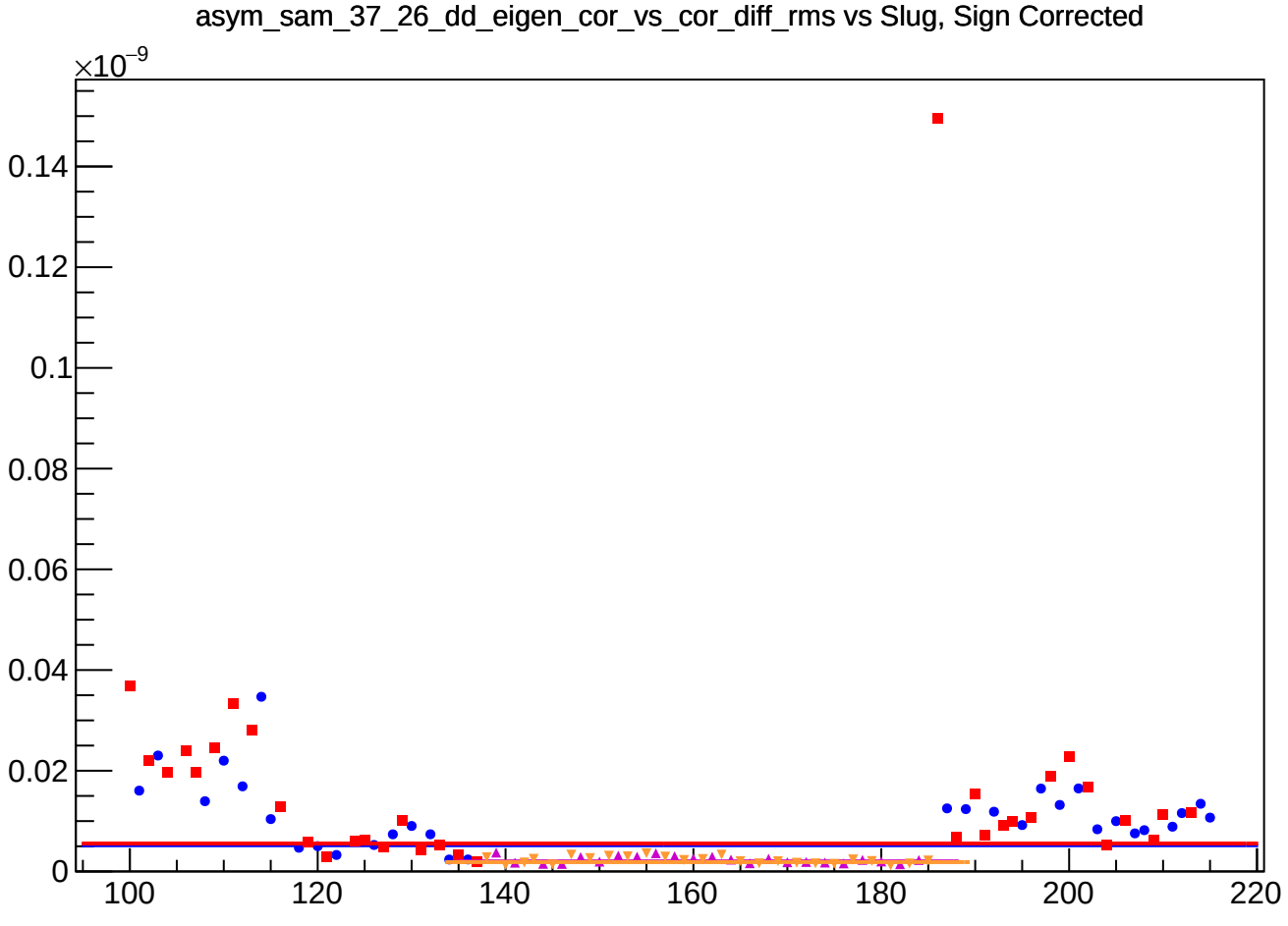
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

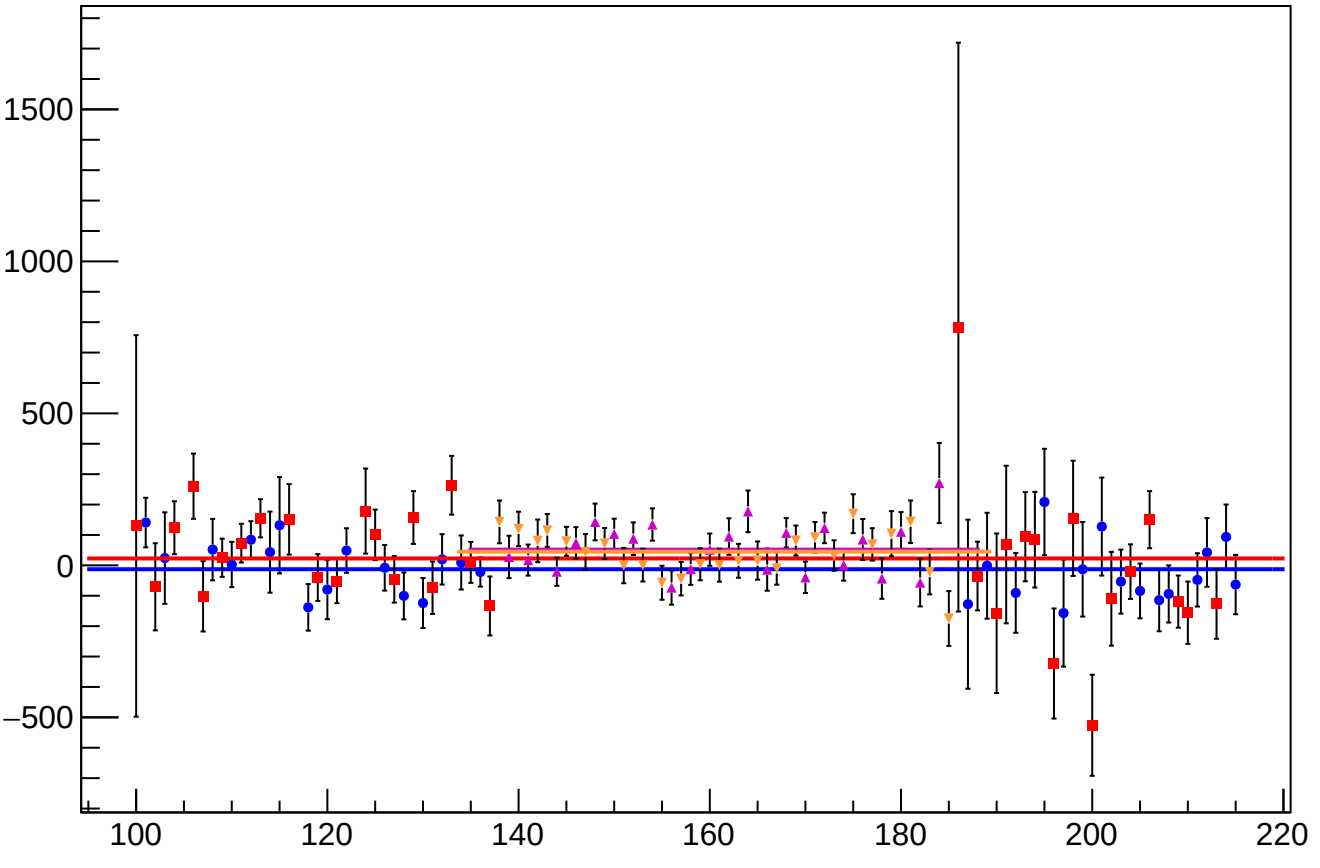
Right: -0.000+/-0.000 χ^2/NDF: 54.9/64

In: 0.000+/-0.000 χ^2/NDF:68.3/53

Out: -0.000+/-0.000 χ^2/NDF:47.9/58

All: 0.000+/-0.000 χ^2/NDF: 117.7/112


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9166306.9/30
Left Out: 0.000+/-0.000 χ²/NDF:2645485.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 8889516.3/33
Left In: 0.000+/-0.000 χ²/NDF:1948585.8/22
Left: 0.000+/-0.000 χ²/NDF: 4661169.2/47
Right: 0.000+/-0.000 χ²/NDF: 18088833.9/64
In: 0.000+/-0.000 χ²/NDF:16964710.2/53
Out: 0.000+/-0.000 χ²/NDF:18172132.2/58
All: 0.000+/-0.000 χ²/NDF: 35269893.6/112



Right In: -12.713+/-16.728 χ^2/NDF: 22.6/30

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 22.670+/-16.967 χ^2/NDF: 58.4/33

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

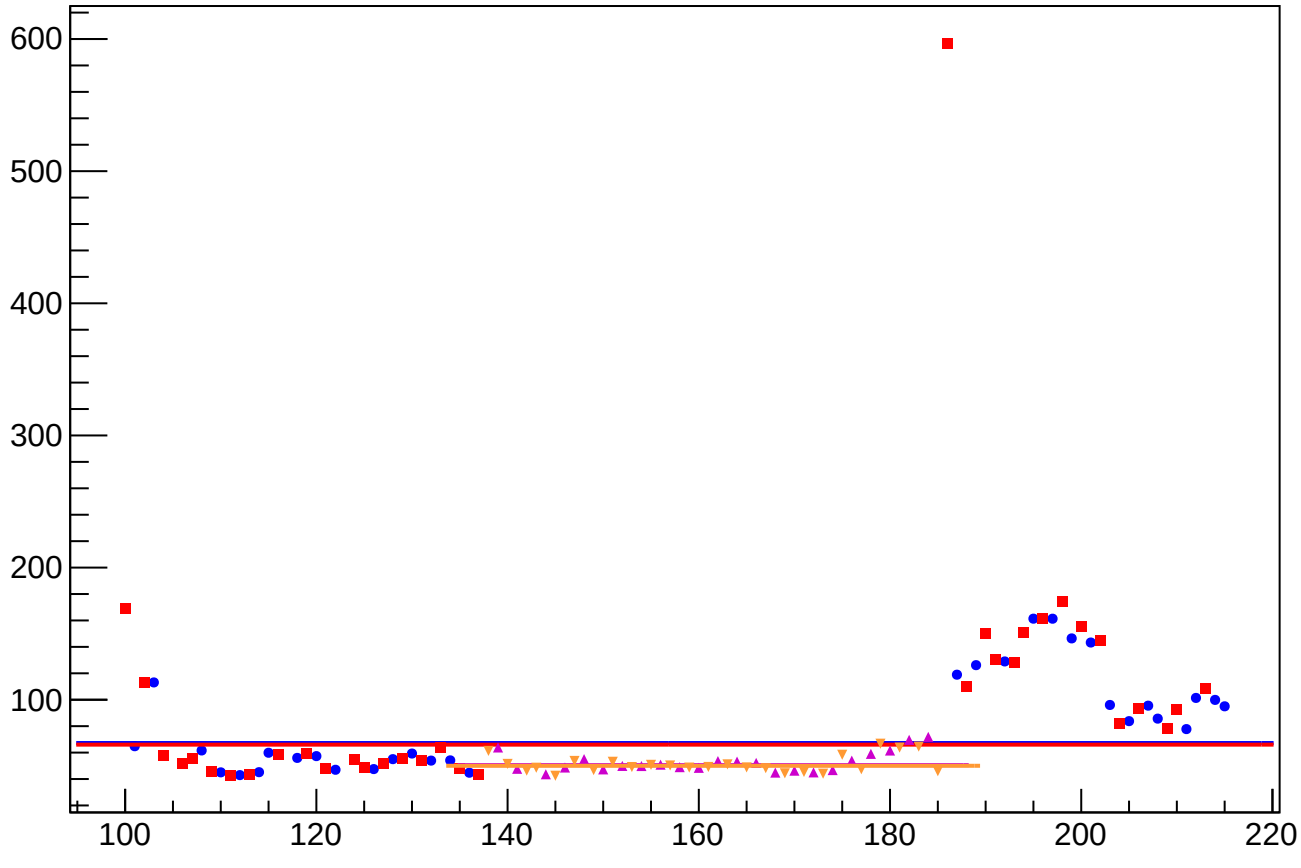
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 4.727+/-11.912 χ^2/NDF: 83.2/64

In: 29.931+/-9.712 χ^2/NDF:68.2/53

Out: 38.039+/-9.516 χ^2/NDF:90.9/58

All: 34.068+/-6.797 χ^2/NDF: 159.5/112



Right In: 67.233+/-0.012 χ^2/NDF: 5567209.8/30

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 66.018+/-0.012 χ^2/NDF: 6932848.2/33

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

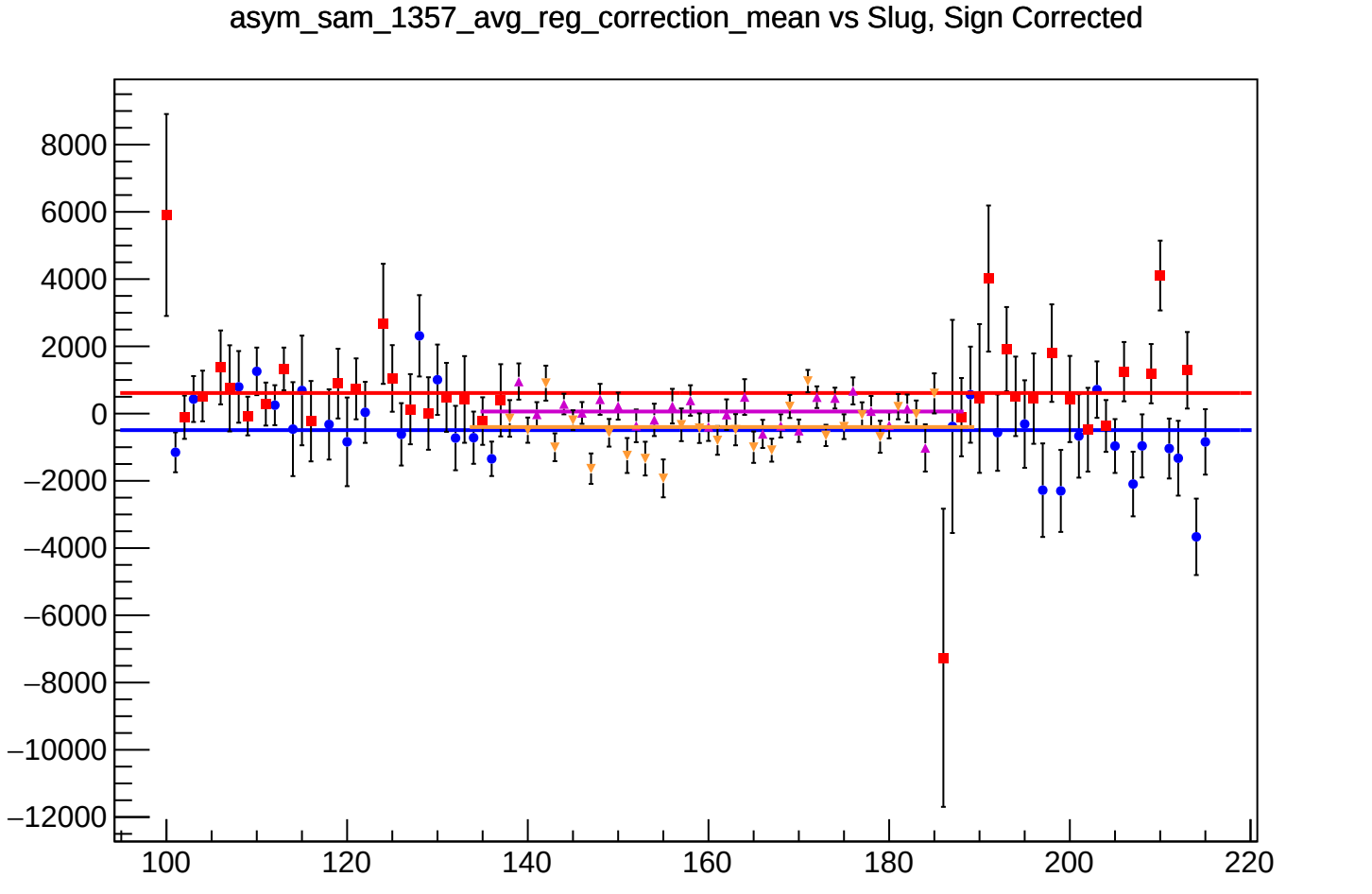
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 66.634+/-0.008 χ^2/NDF: 12505255.5/64

In: 56.149+/-0.007 χ^2/NDF:7395290.0/53

Out: 55.053+/-0.007 χ^2/NDF:8660512.9/58

All: 55.590+/-0.005 χ^2/NDF: 16068779.5/112



Right In: -491.873+/-165.531 χ^2/NDF: 42.3/30

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 612.350+/-169.408 χ^2/NDF: 34.7/33

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

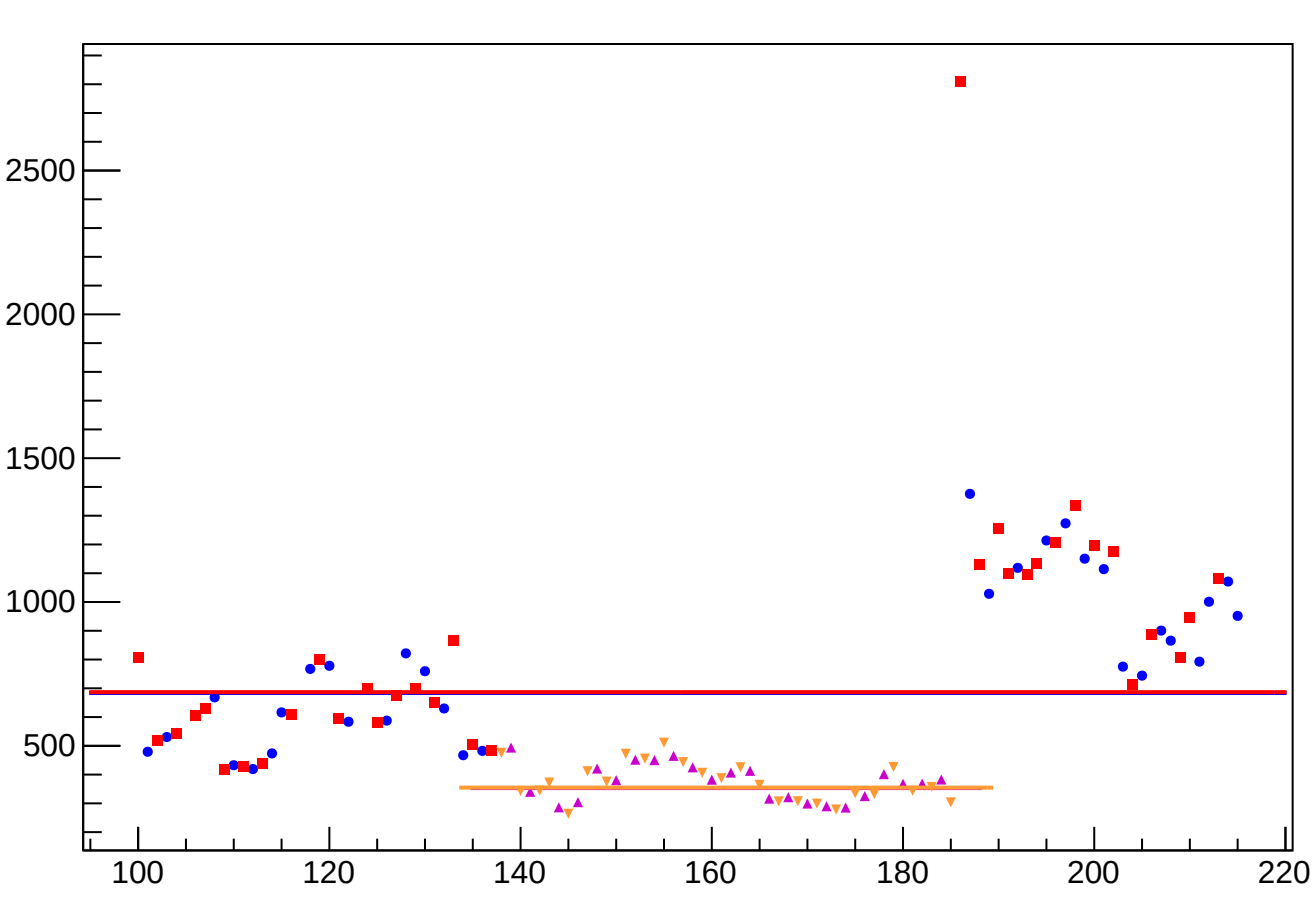
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 47.459+/-118.395 χ^2/NDF: 98.7/64

In: -51.161+/-74.831 χ^2/NDF:75.1/53

Out: -207.078+/-73.855 χ^2/NDF:129.0/58

All: -130.143+/-52.565 χ^2/NDF: 206.3/112



Right In: 683.702+/-0.117 χ^2/NDF: 4129885.0/30

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 686.603+/-0.120 χ^2/NDF: 4916970.6/33

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

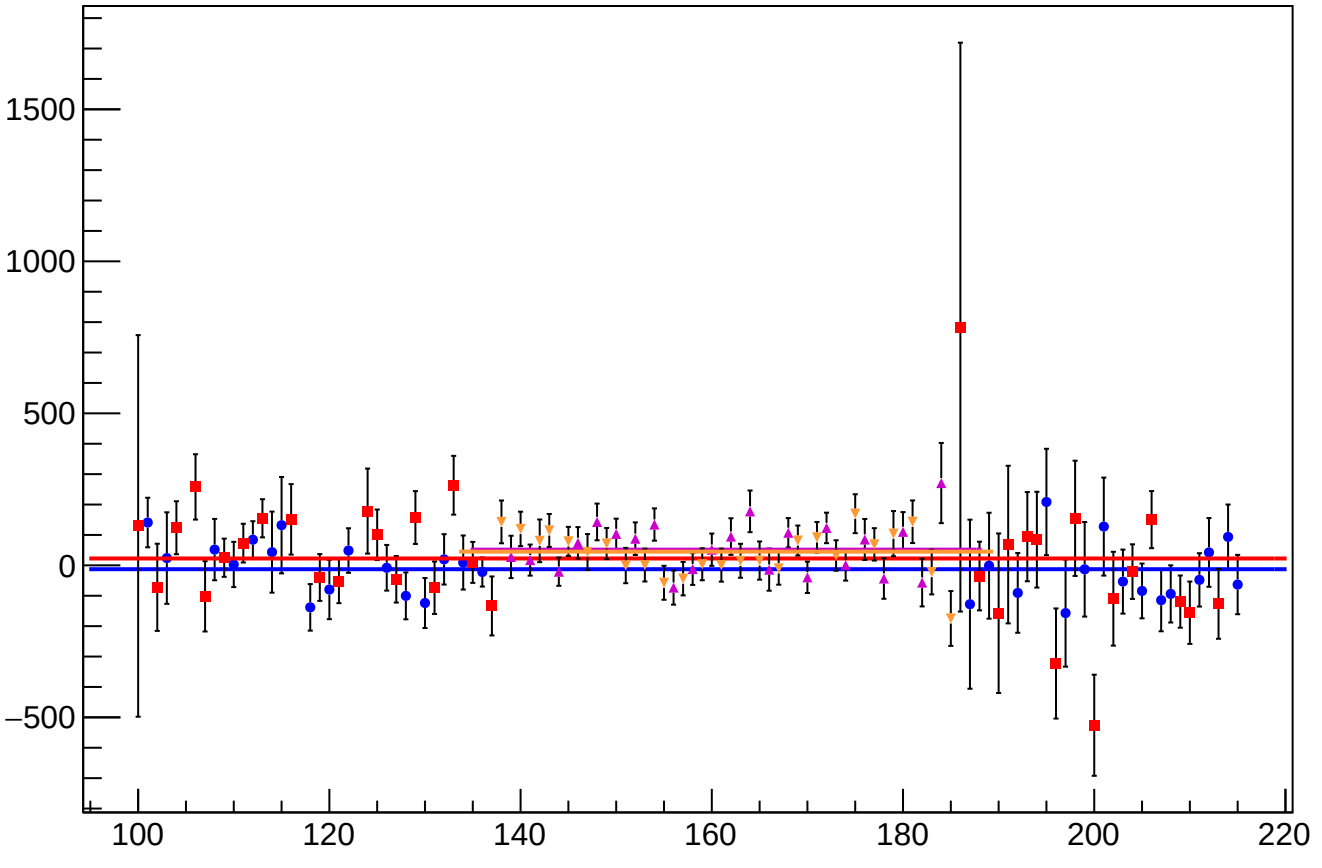
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 685.119+/-0.084 χ^2/NDF: 9047155.5/64

In: 420.671+/-0.053 χ^2/NDF:11481091.7/53

Out: 417.757+/-0.052 χ^2/NDF:12281391.7/58

All: 419.195+/-0.037 χ^2/NDF: 23764019.8/1



Right In: -12.717+/-16.728 χ^2/NDF: 22.6/30

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 22.583+/-16.968 χ^2/NDF: 58.3/33

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

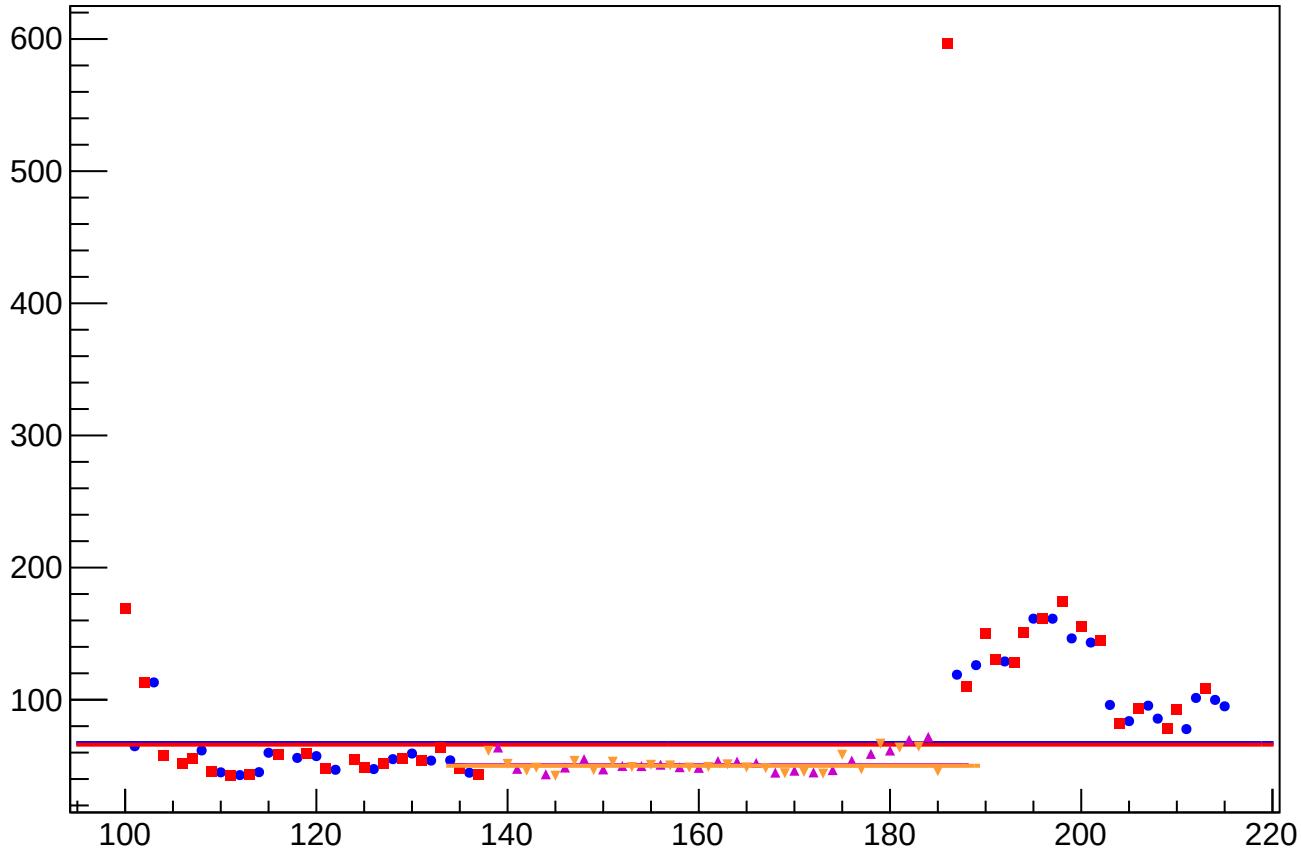
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 4.682+/-11.912 χ^2/NDF: 83.1/64

In: 29.929+/-9.712 χ^2/NDF:68.2/53

Out: 38.014+/-9.516 χ^2/NDF:90.8/58

All: 34.054+/-6.797 χ^2/NDF: 159.4/112



Right In: 67.233+/-0.012 χ^2/NDF: 5567212.1/30

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 66.011+/-0.012 χ^2/NDF: 6934560.7/33

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

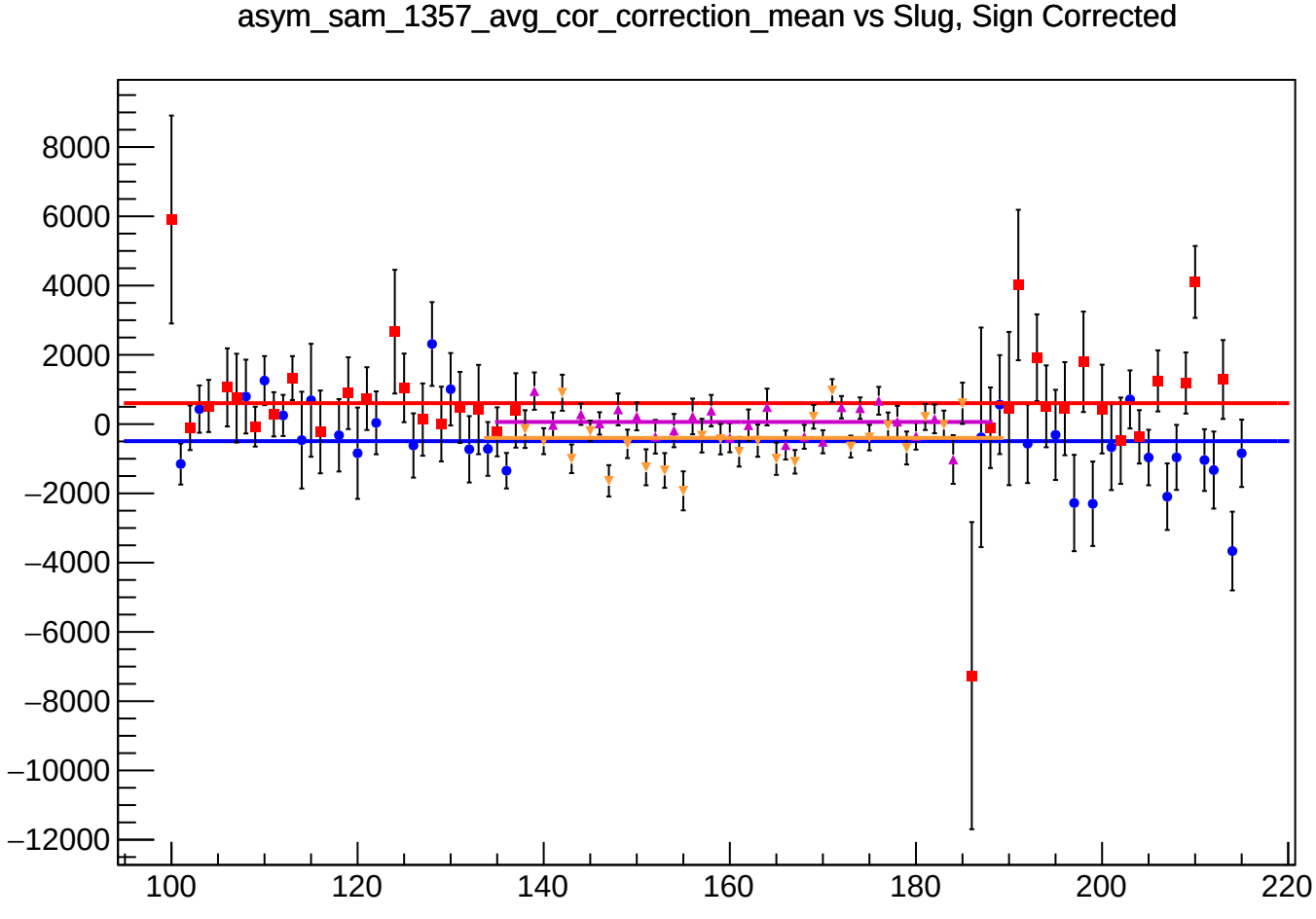
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 66.631+/-0.008 χ^2/NDF: 12507031.6/64

In: 56.149+/-0.007 χ^2/NDF:7395292.3/53

Out: 55.051+/-0.007 χ^2/NDF:8661104.8/58

All: 55.589+/-0.005 χ^2/NDF: 16069430.2/112



Right In: -491.862+/-165.532 χ^2/NDF: 42.3/30

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 604.720+/-169.518 χ^2/NDF: 34.4/33

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

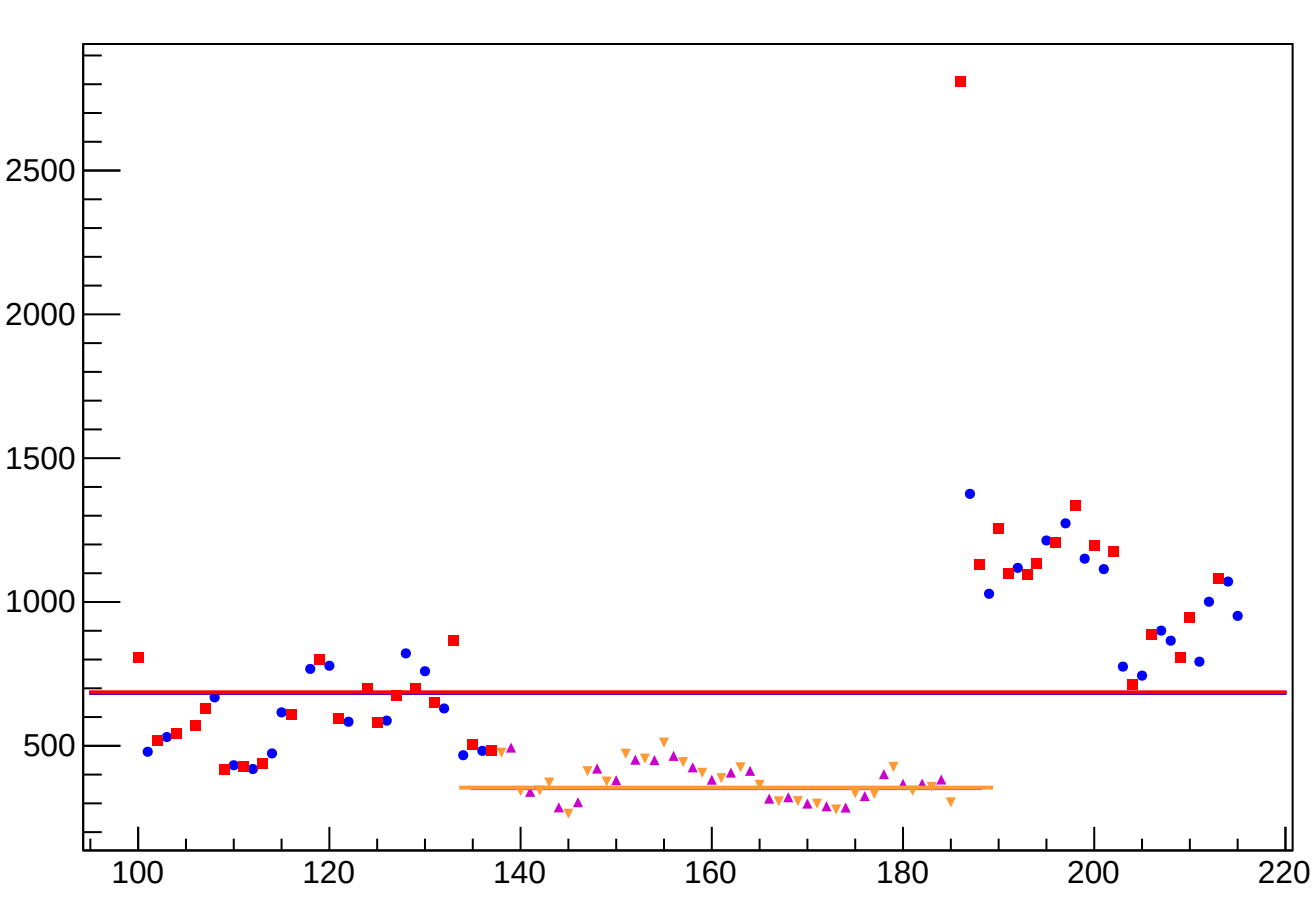
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 43.384+/-118.433 χ^2/NDF: 98.1/64

In: -51.158+/-74.831 χ^2/NDF:75.1/53

Out: -208.726+/-73.864 χ^2/NDF:128.2/58

All: -130.967+/-52.568 χ^2/NDF: 205.5/112



Right In: 683.708+/-0.117 χ^2/NDF: 4129790.2/30

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 685.951+/-0.120 χ^2/NDF: 4926327.6/33

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

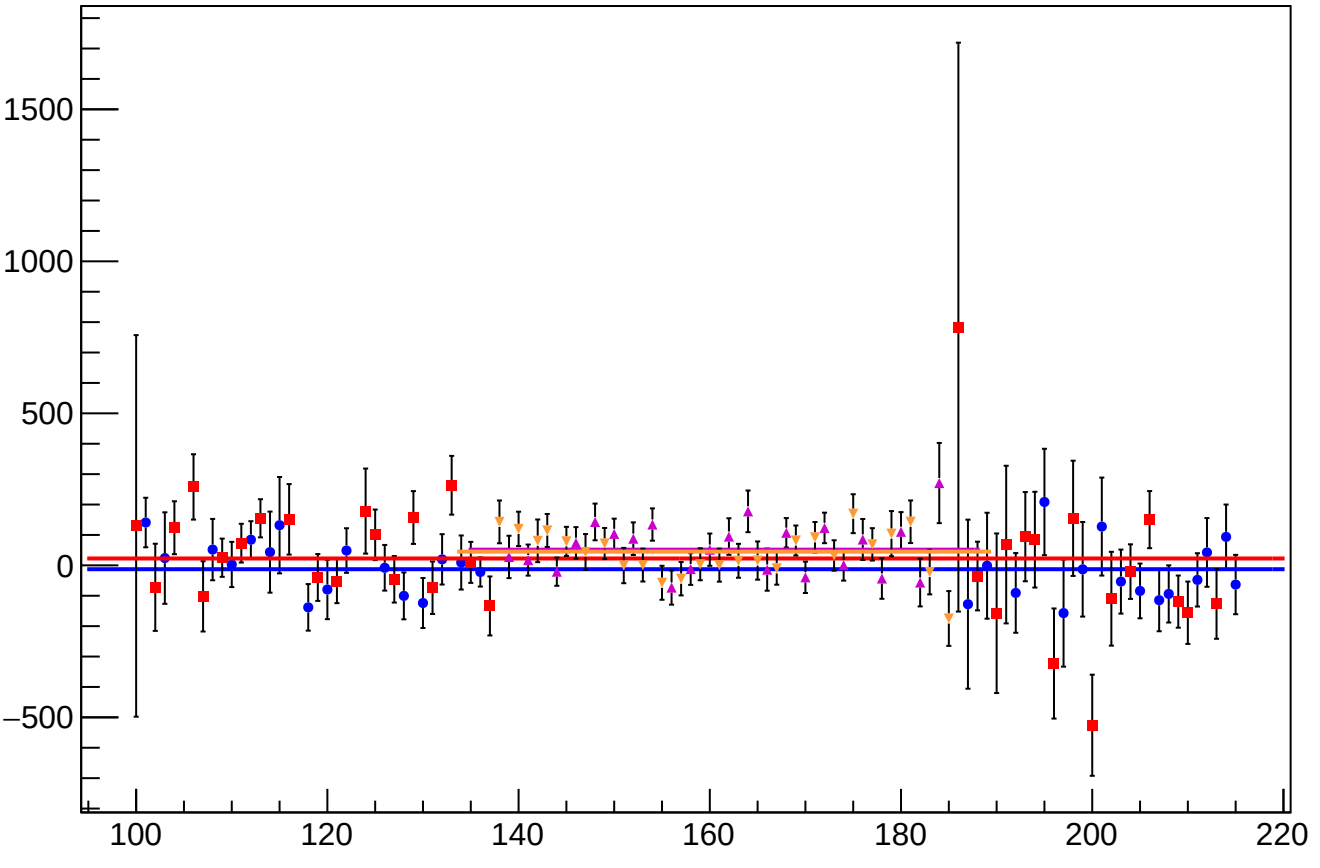
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 684.803+/-0.084 χ^2/NDF: 9056297.1/64

In: 420.671+/-0.053 χ^2/NDF:11481136.4/53

Out: 417.566+/-0.052 χ^2/NDF:12259812.3/58

All: 419.098+/-0.037 χ^2/NDF: 23742692.9/1



Right In: -12.717+/-16.728 χ^2/NDF: 22.6/30

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 22.583+/-16.968 χ^2/NDF: 58.3/33

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

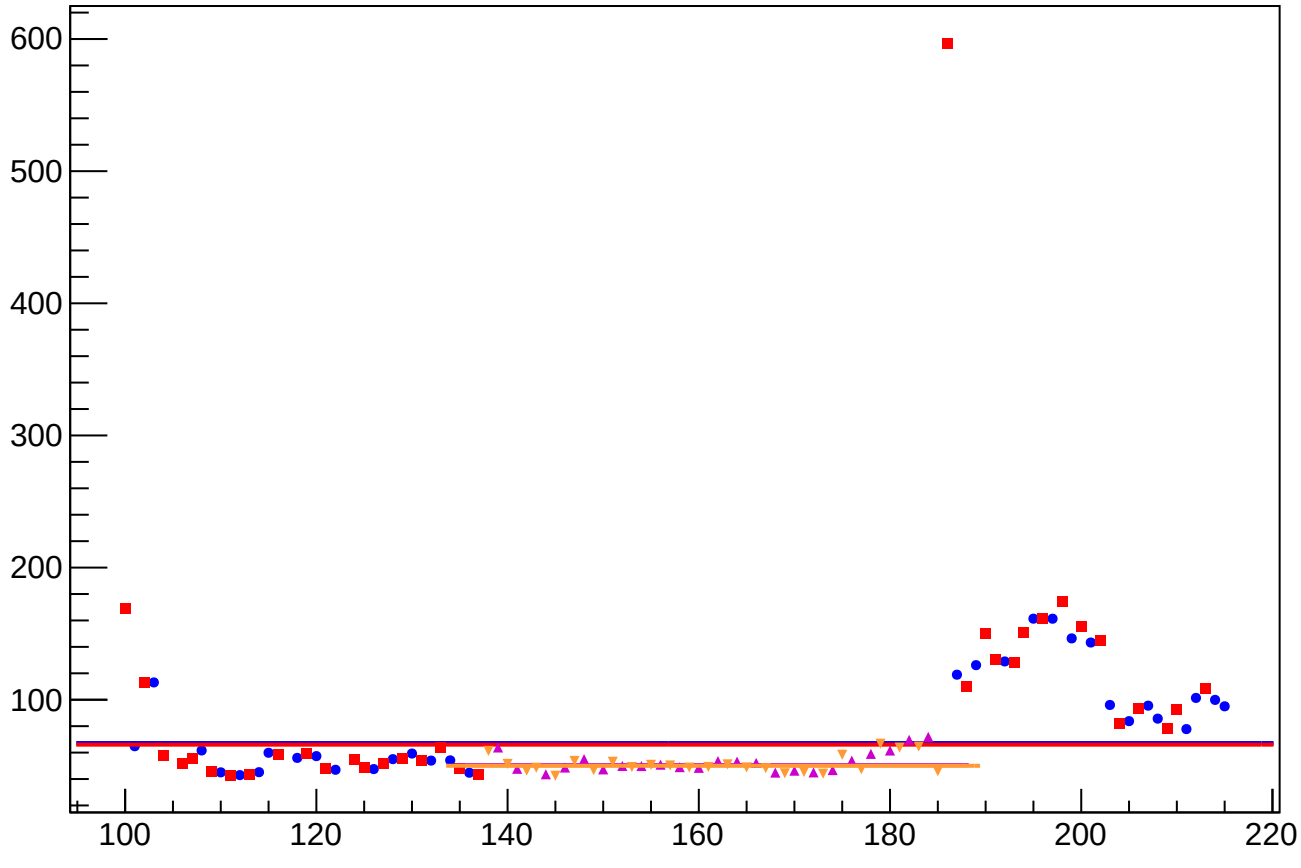
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 4.682+/-11.912 χ^2/NDF: 83.1/64

In: 29.929+/-9.712 χ^2/NDF:68.2/53

Out: 38.014+/-9.516 χ^2/NDF:90.8/58

All: 34.054+/-6.797 χ^2/NDF: 159.4/112



Right In: 67.233+/-0.012 χ^2/NDF: 5567212.1/30

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 66.011+/-0.012 χ^2/NDF: 6934560.7/33

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

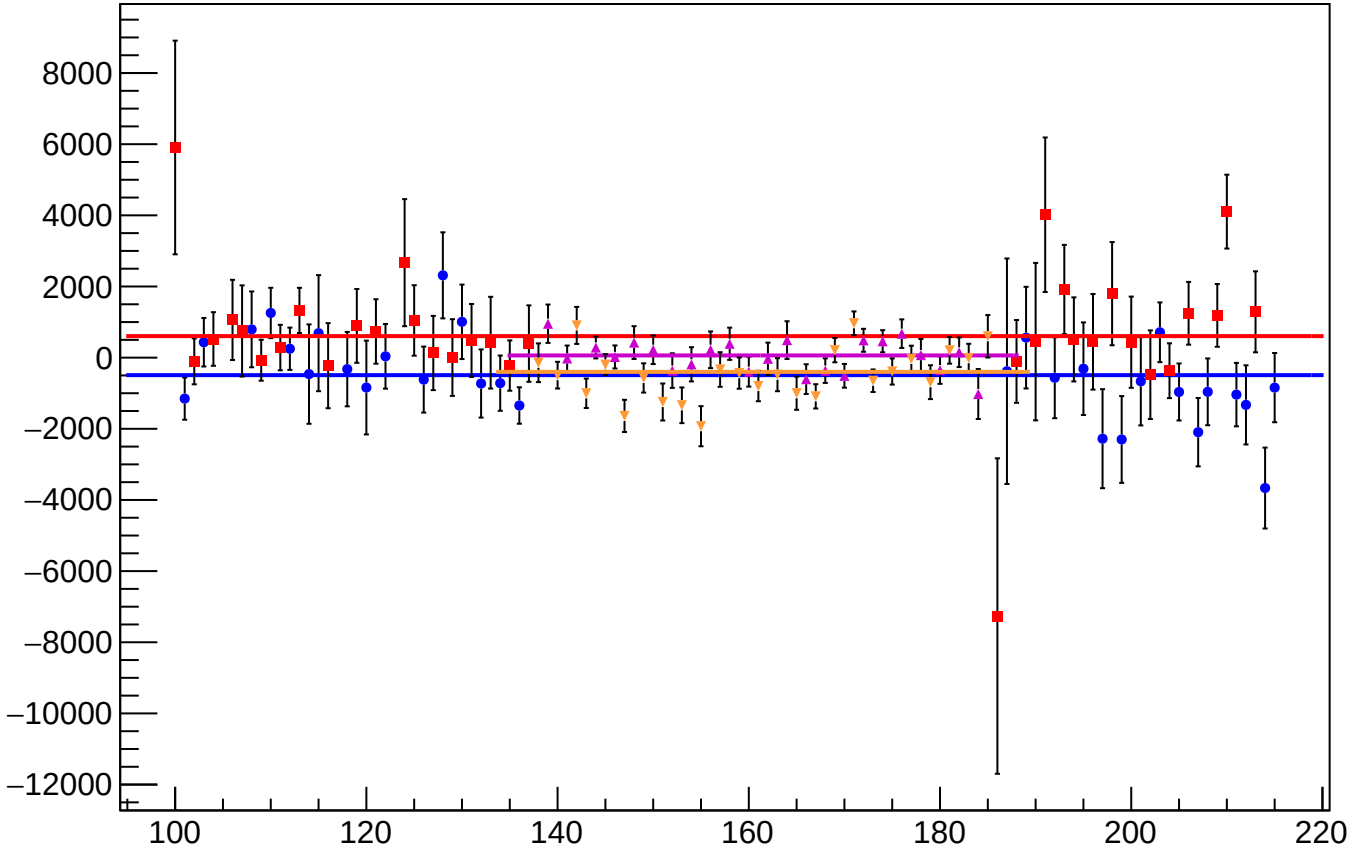
Right: 66.631+/-0.008 χ^2/NDF: 12507031.6/64

In: 56.149+/-0.007 χ^2/NDF:7395292.3/53

Out: 55.051+/-0.007 χ^2/NDF:8661104.8/58

All: 55.589+/-0.005 χ^2/NDF: 16069430.2/112

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -491.862+/-165.532 χ^2/NDF: 42.3/30

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 604.720+/-169.518 χ^2/NDF: 34.4/33

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

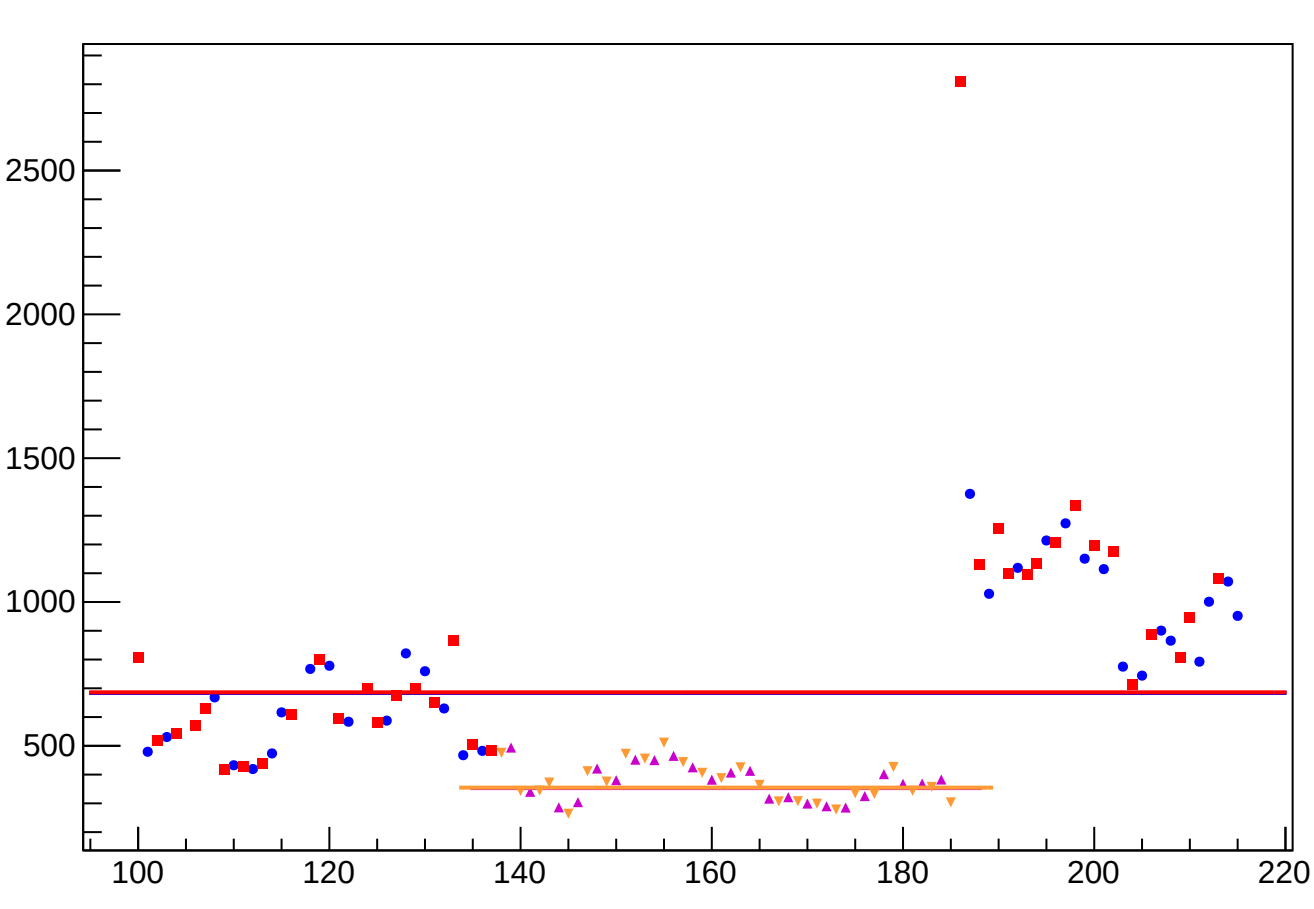
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 43.384+/-118.433 χ^2/NDF: 98.1/64

In: -51.158+/-74.831 χ^2/NDF:75.1/53

Out: -208.726+/-73.864 χ^2/NDF:128.2/58

All: -130.967+/-52.568 χ^2/NDF: 205.5/112



Right In: 683.708+/-0.117 χ^2/NDF: 4129790.2/30

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 685.951+/-0.120 χ^2/NDF: 4926327.6/33

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

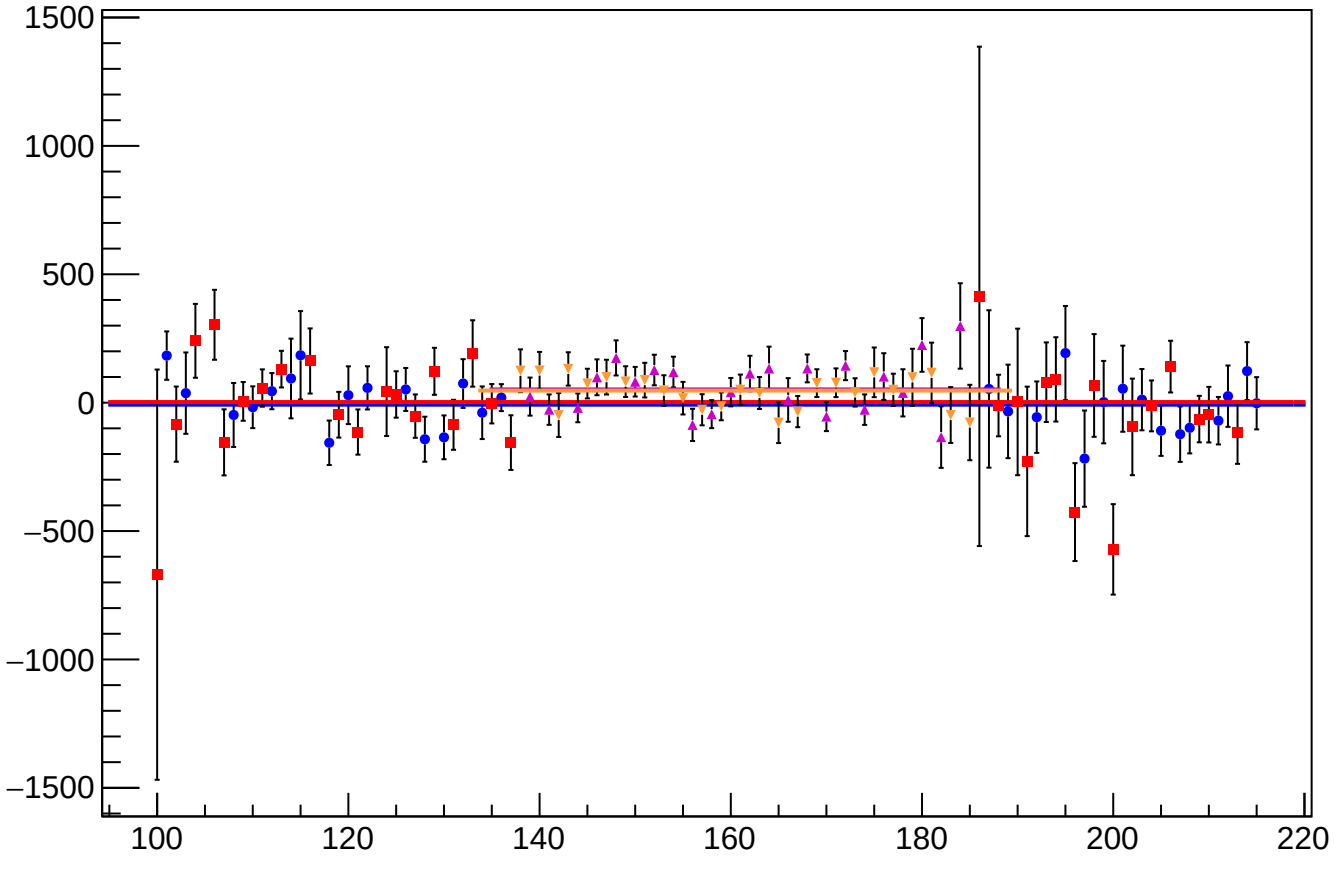
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 684.803+/-0.084 χ^2/NDF: 9056297.1/64

In: 420.671+/-0.053 χ^2/NDF:11481136.4/53

Out: 417.566+/-0.052 χ^2/NDF:12259812.3/58

All: 419.098+/-0.037 χ^2/NDF: 23742692.9/1



Right In: -7.735+/-18.482 χ^2/NDF: 24.1/30

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 2.433+/-19.279 χ^2/NDF: 46.1/33

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

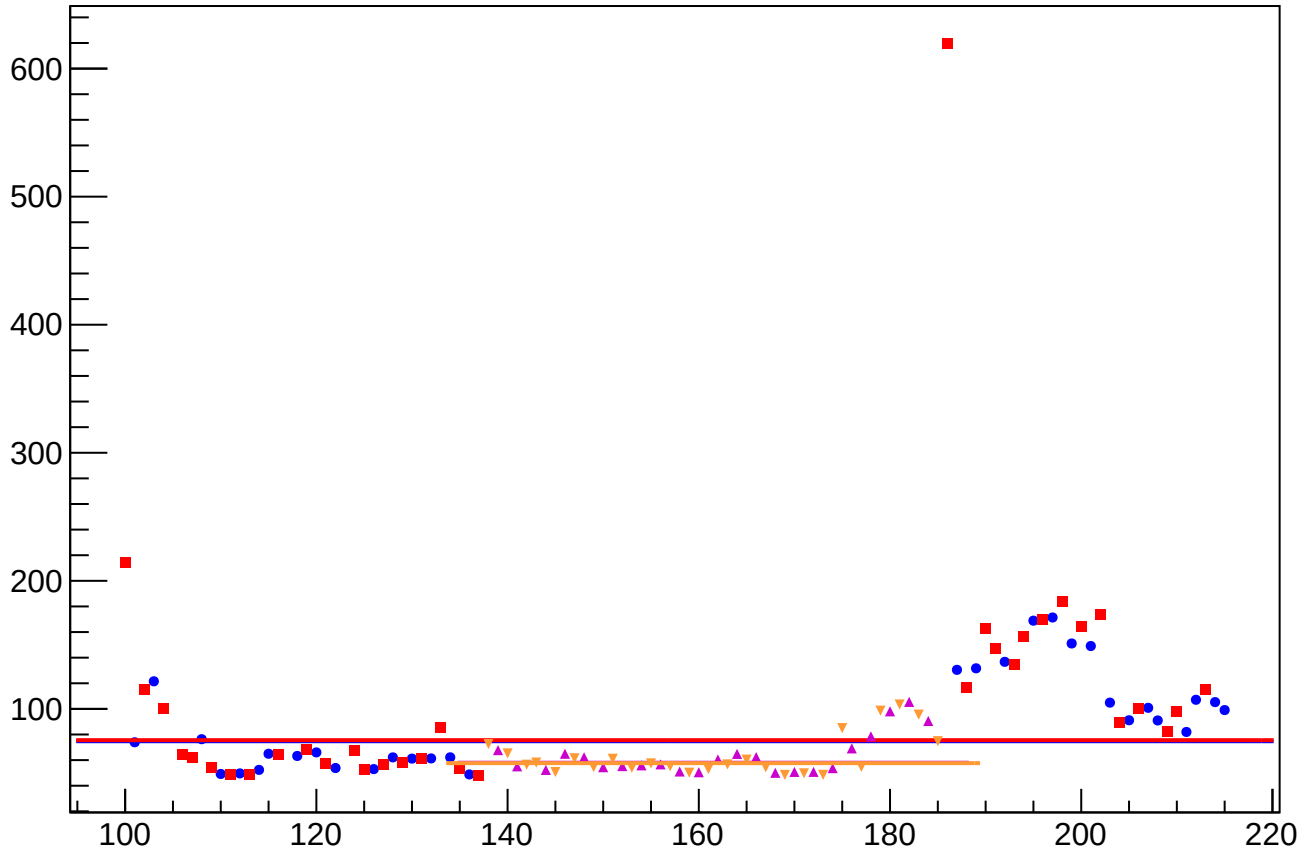
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -2.866+/-13.342 χ^2/NDF: 70.3/64

In: 30.131+/-11.126 χ^2/NDF:68.9/53

Out: 32.421+/-11.064 χ^2/NDF:66.7/58

All: 31.282+/-7.845 χ^2/NDF: 135.6/112



Right In: 74.755+/-0.013 χ^2/NDF: 4969507.4/30

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 75.564+/-0.014 χ^2/NDF: 6325657.5/33

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

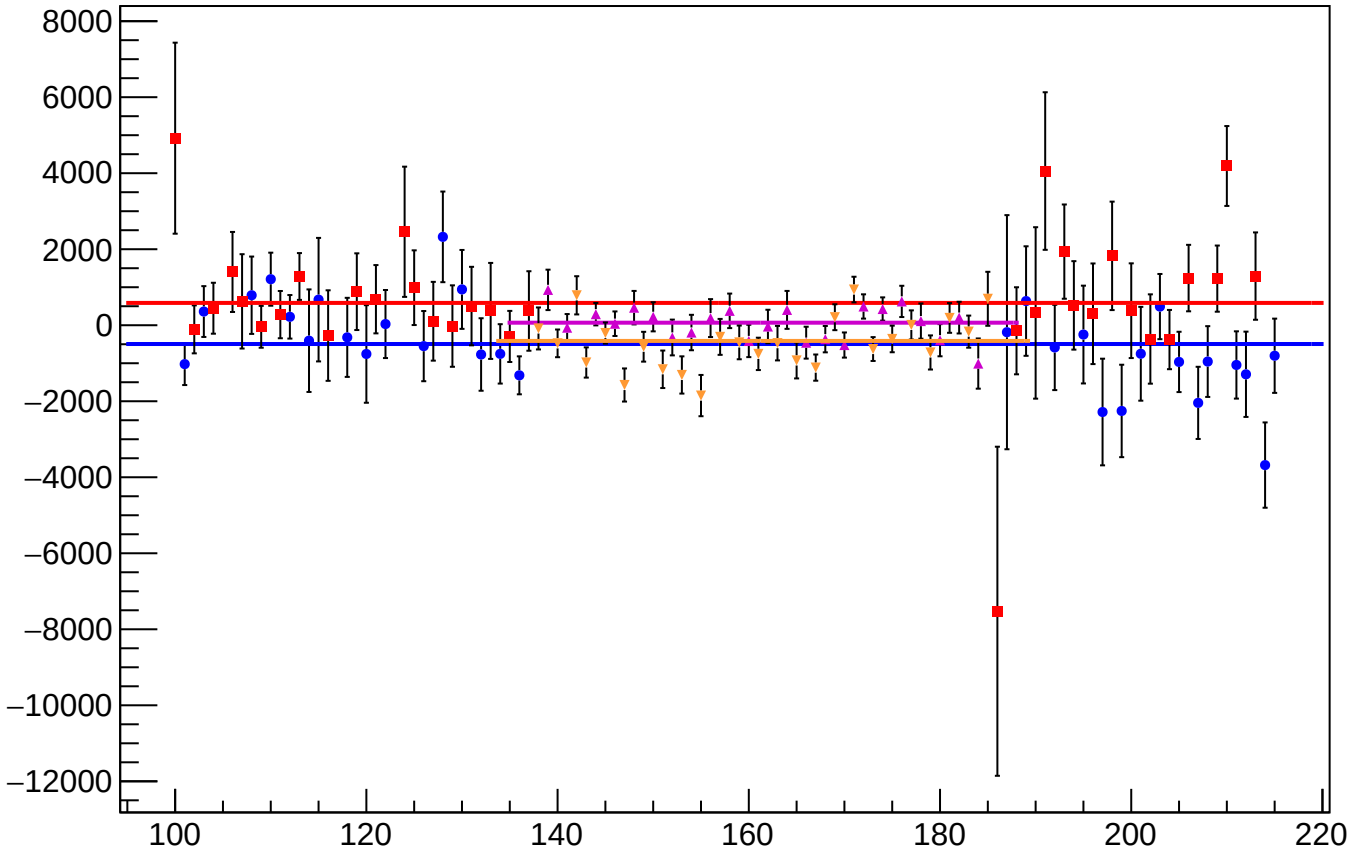
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 75.143+/-0.009 χ^2/NDF: 11297001.4/64

In: 64.034+/-0.008 χ^2/NDF:7149587.3/53

Out: 63.538+/-0.008 χ^2/NDF:8851714.7/58

All: 63.784+/-0.006 χ^2/NDF: 16003296.7/112



Right In: -494.187+/-162.653 χ^2/NDF: 41.1/30

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 587.184+/-164.924 χ^2/NDF: 36.1/33

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

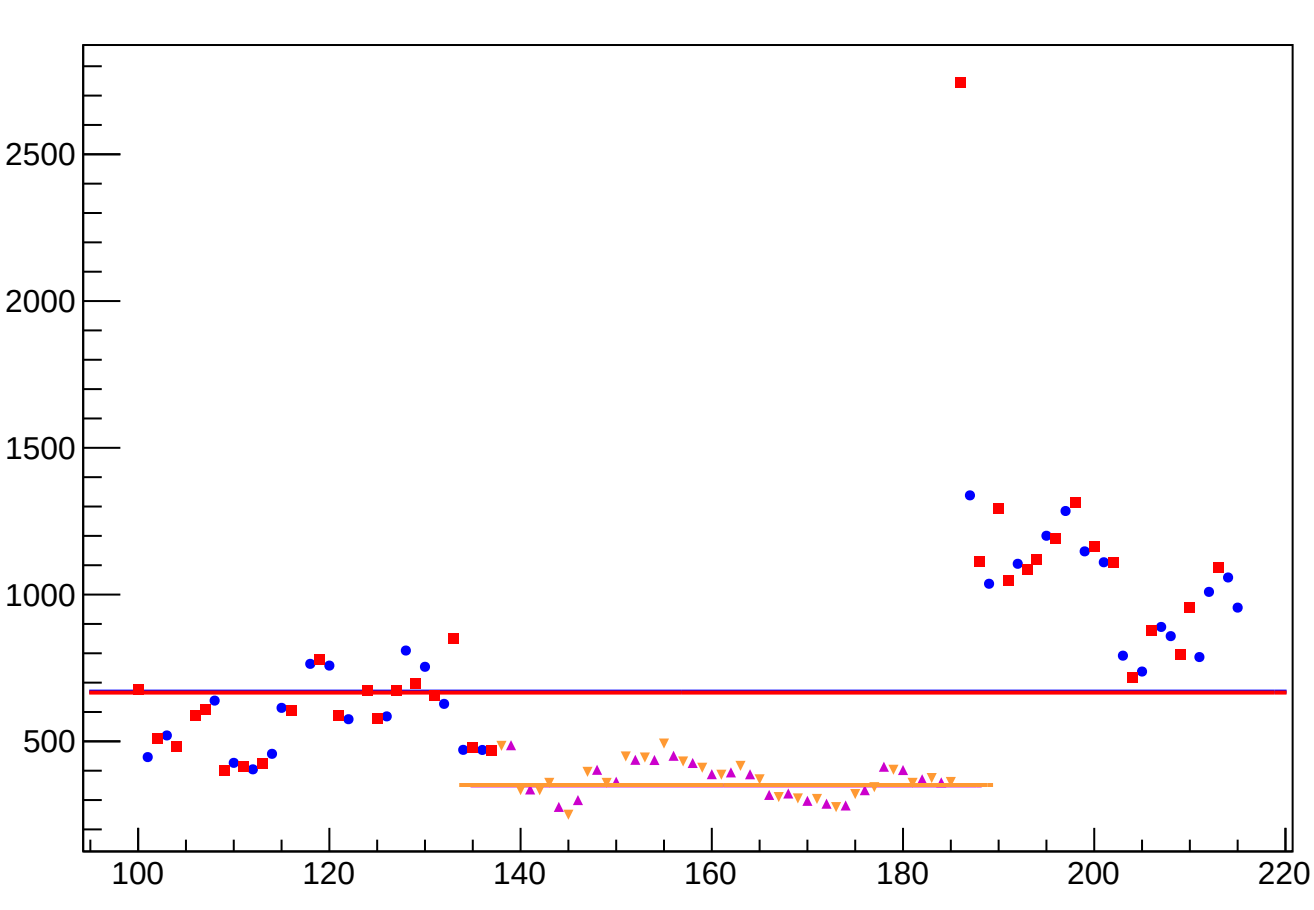
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 38.999+/-115.808 χ^2/NDF: 99.0/64

In: -49.410+/-73.988 χ^2/NDF:73.4/53

Out: -218.152+/-72.802 χ^2/NDF:127.1/58

All: -135.145+/-51.893 χ^2/NDF: 203.1/112



Right In: 669.424+/-0.115 χ^2/NDF: 4395899.9/30

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 666.102+/-0.117 χ^2/NDF: 5174028.2/33

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

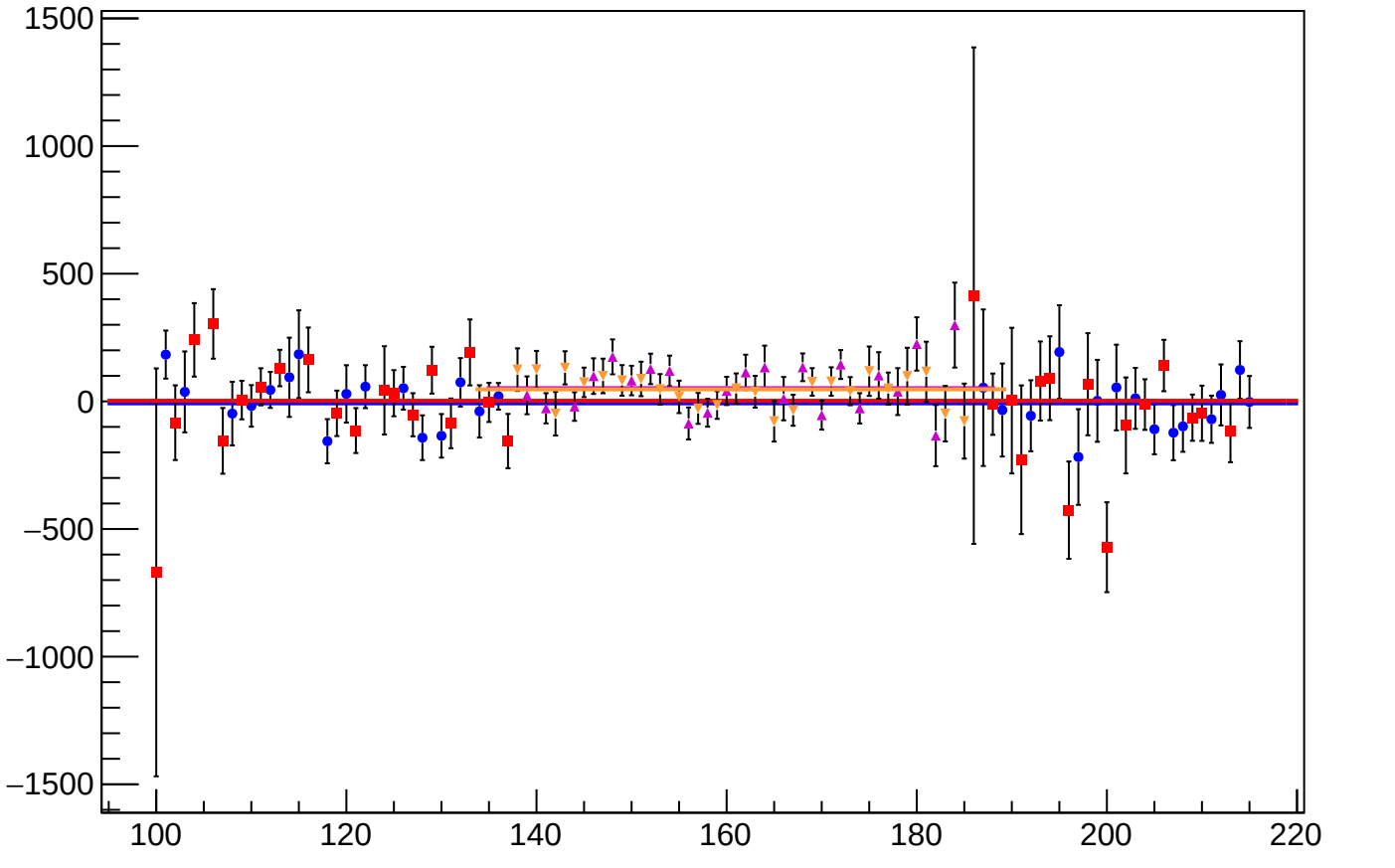
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 667.786+/-0.082 χ^2/NDF: 9570339.4/64

In: 415.947+/-0.052 χ^2/NDF:11510719.9/53

Out: 412.612+/-0.051 χ^2/NDF:12160501.6/58

All: 414.253+/-0.037 χ^2/NDF: 23673286.5/1



Right In: -7.735+/-18.482 χ^2/NDF: 24.1/30

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 2.431+/-19.279 χ^2/NDF: 46.1/33

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

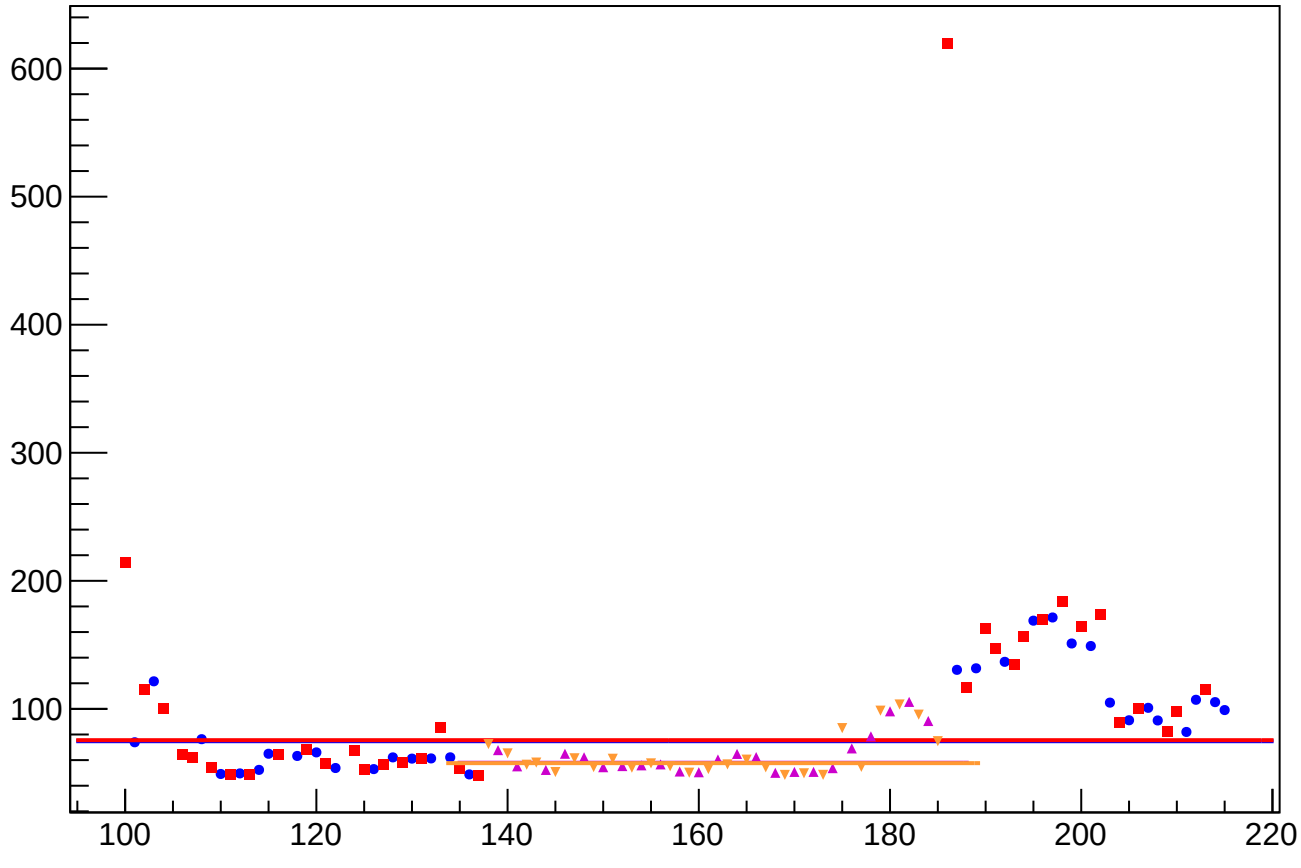
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -2.866+/-13.342 χ^2/NDF: 70.4/64

In: 30.131+/-11.126 χ^2/NDF:68.9/53

Out: 32.421+/-11.065 χ^2/NDF:66.7/58

All: 31.282+/-7.845 χ^2/NDF: 135.6/112



Right In: 74.755+/-0.013 χ^2/NDF: 4969482.3/30

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 75.565+/-0.014 χ^2/NDF: 6325639.3/33

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

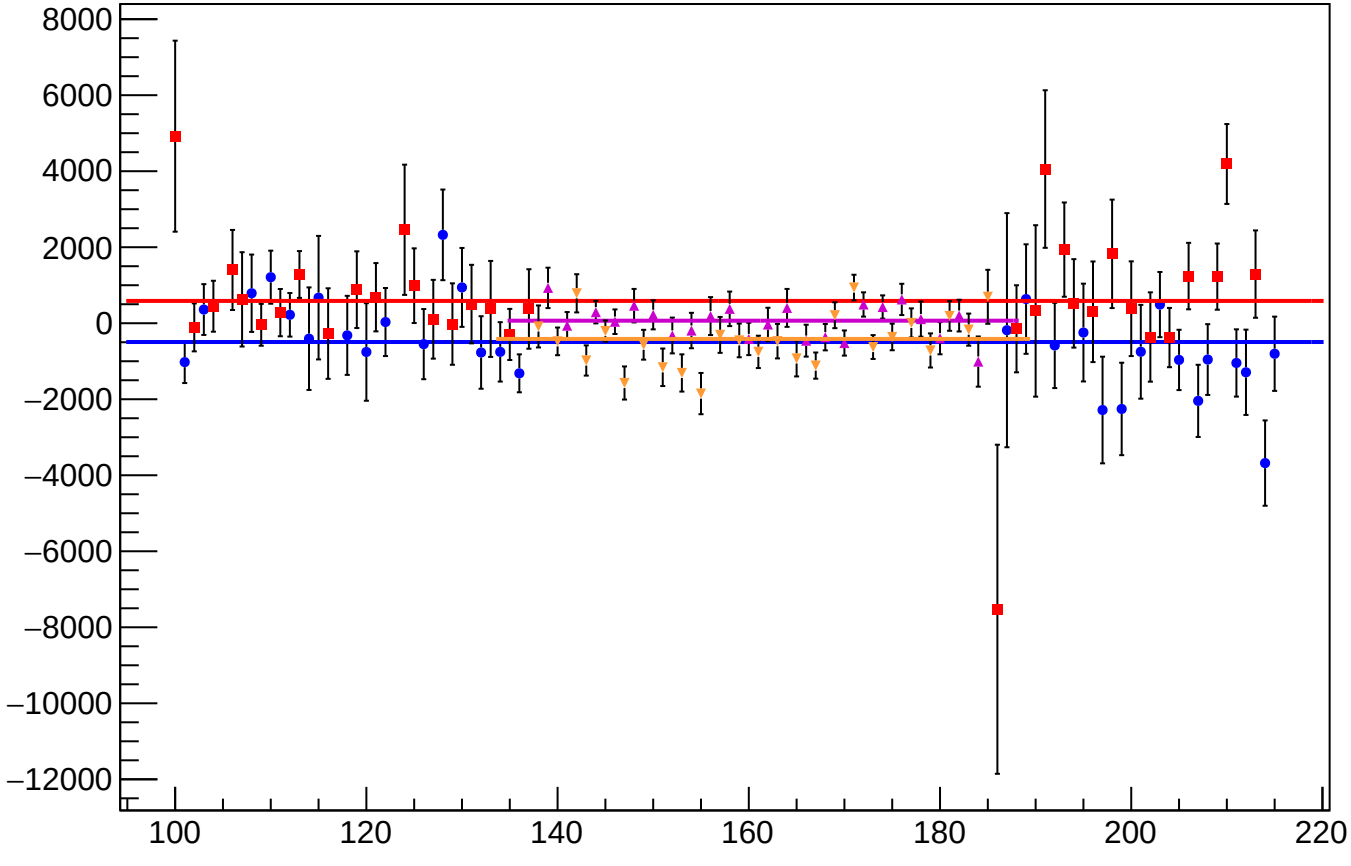
Right: 75.143+/-0.009 χ^2/NDF: 11296958.2/64

In: 64.034+/-0.008 χ^2/NDF:7149542.8/53

Out: 63.538+/-0.008 χ^2/NDF:8851691.4/58

All: 63.785+/-0.006 χ^2/NDF: 16003229.0/112

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -494.186+/-162.652 χ^2/NDF: 41.1/30

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 587.183+/-164.924 χ^2/NDF: 36.1/33

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

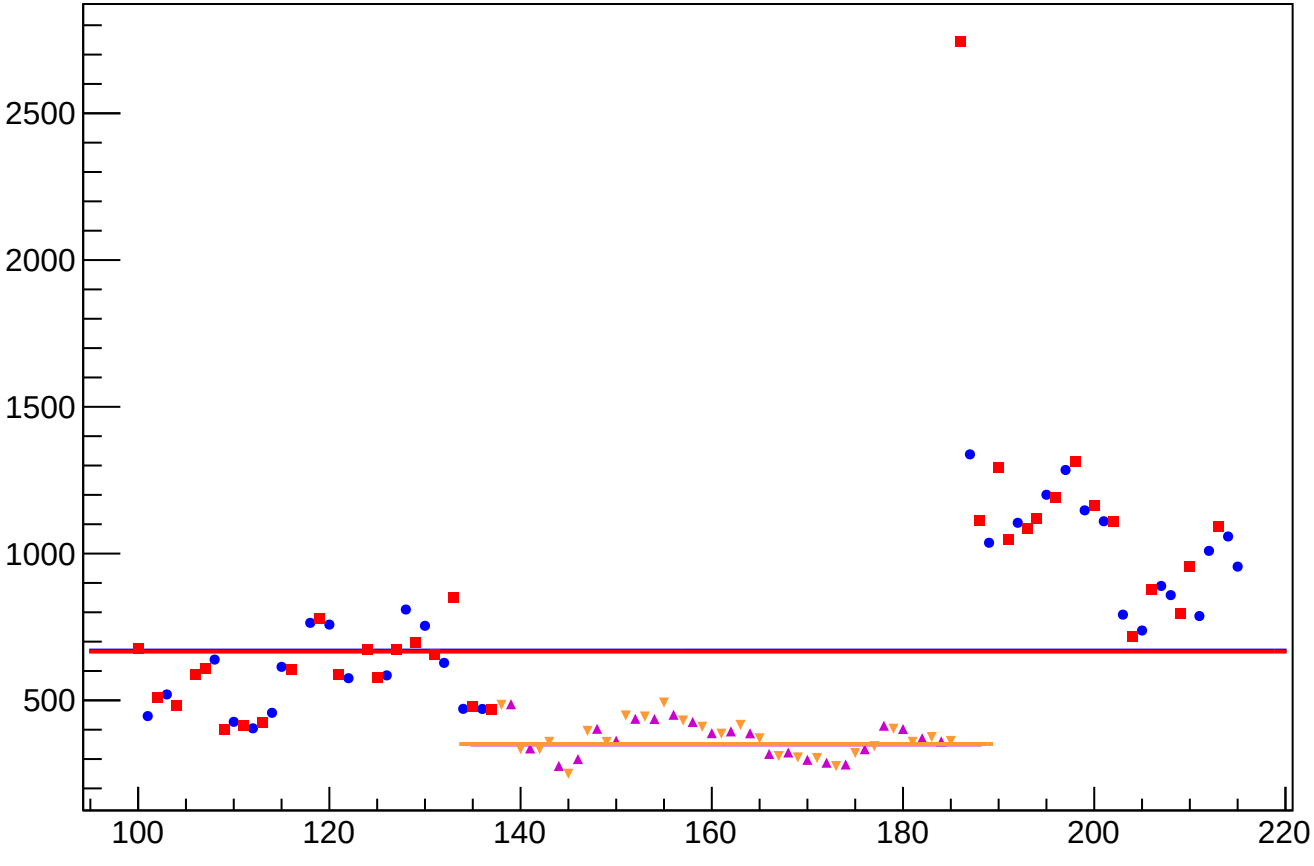
Right: 38.999+/-115.807 χ^2/NDF: 99.0/64

In: -49.410+/-73.988 χ^2/NDF:73.4/53

Out: -218.151+/-72.802 χ^2/NDF:127.1/58

All: -135.145+/-51.893 χ^2/NDF: 203.1/112

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 669.423+/-0.115 χ^2/NDF: 4395912.1/30

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 666.101+/-0.117 χ^2/NDF: 5174036.3/33

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

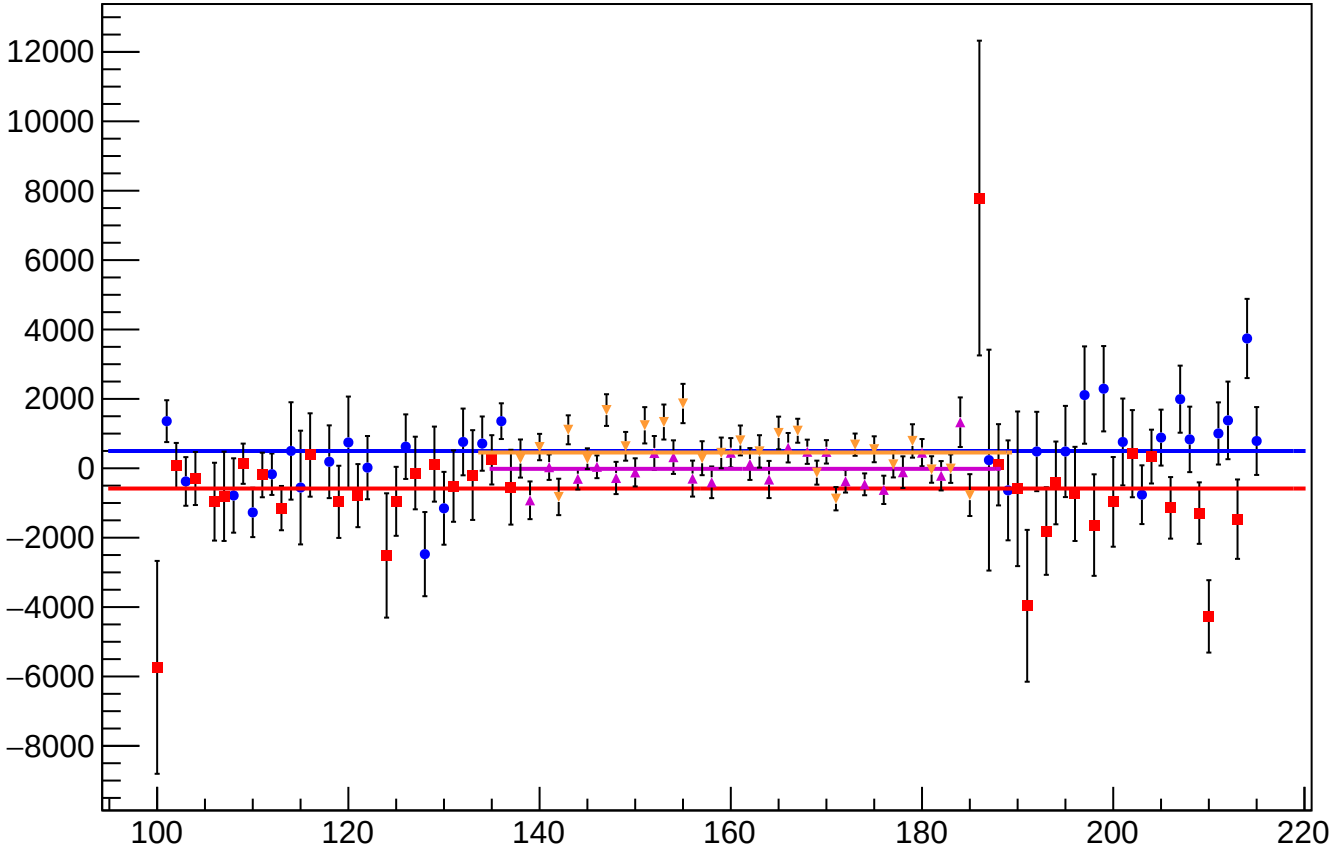
Right: 667.785+/-0.082 χ^2/NDF: 9570359.8/64

In: 415.947+/-0.052 χ^2/NDF:11510704.8/53

Out: 412.612+/-0.051 χ^2/NDF:12160490.7/58

All: 414.252+/-0.037 χ^2/NDF: 23673260.6/1

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 498.286+/-166.793 χ^2/NDF: 42.9/30

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -583.232+/-170.724 χ^2/NDF: 34.8/33

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

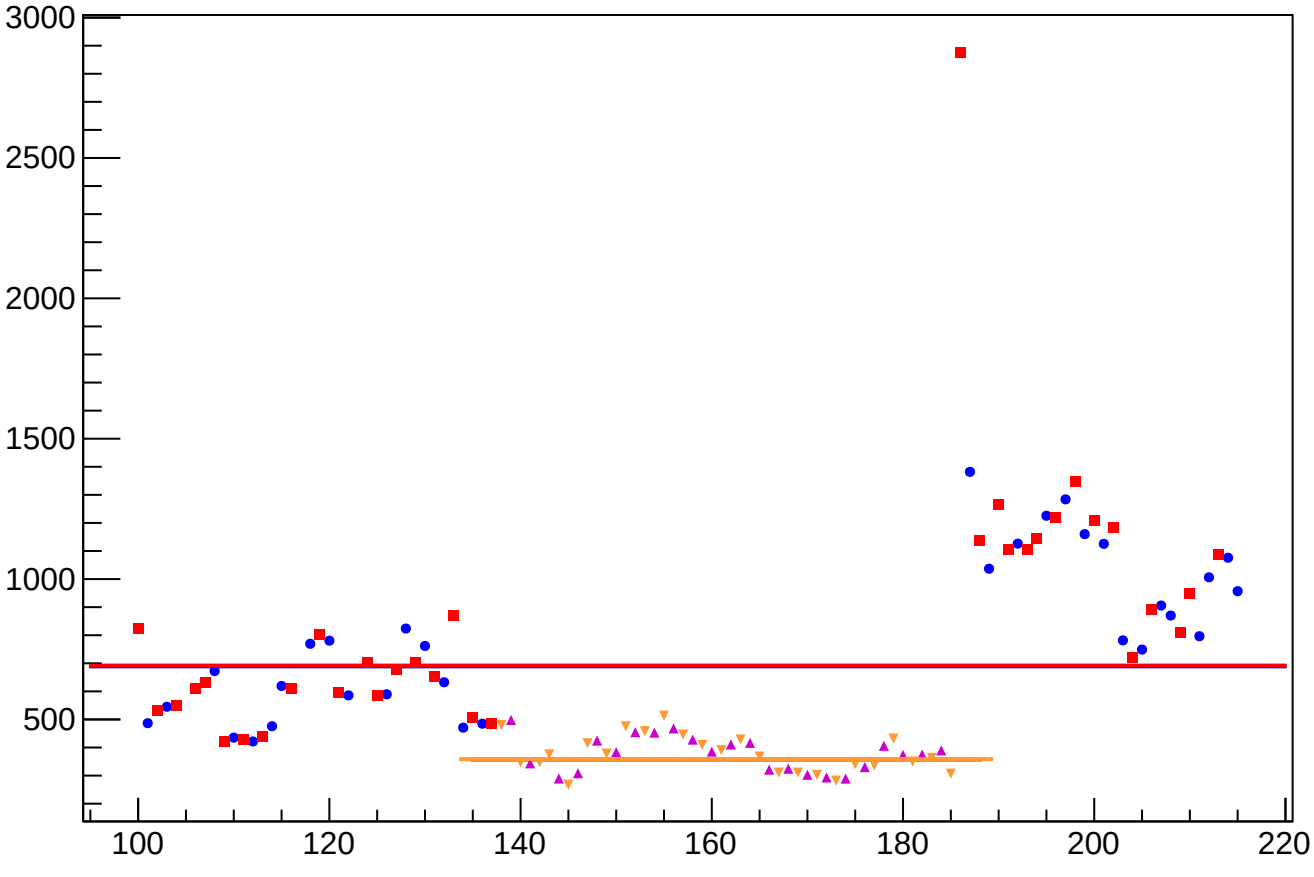
Right: -29.877+/-119.306 χ^2/NDF: 98.2/64

In: 89.634+/-75.613 χ^2/NDF:75.3/53

Out: 256.861+/-74.617 χ^2/NDF:125.6/58

All: 174.356+/-53.111 χ^2/NDF: 203.4/112

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 689.110+/-0.118 χ^2/NDF: 4108184.4/30

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 691.834+/-0.121 χ^2/NDF: 4910185.6/33

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

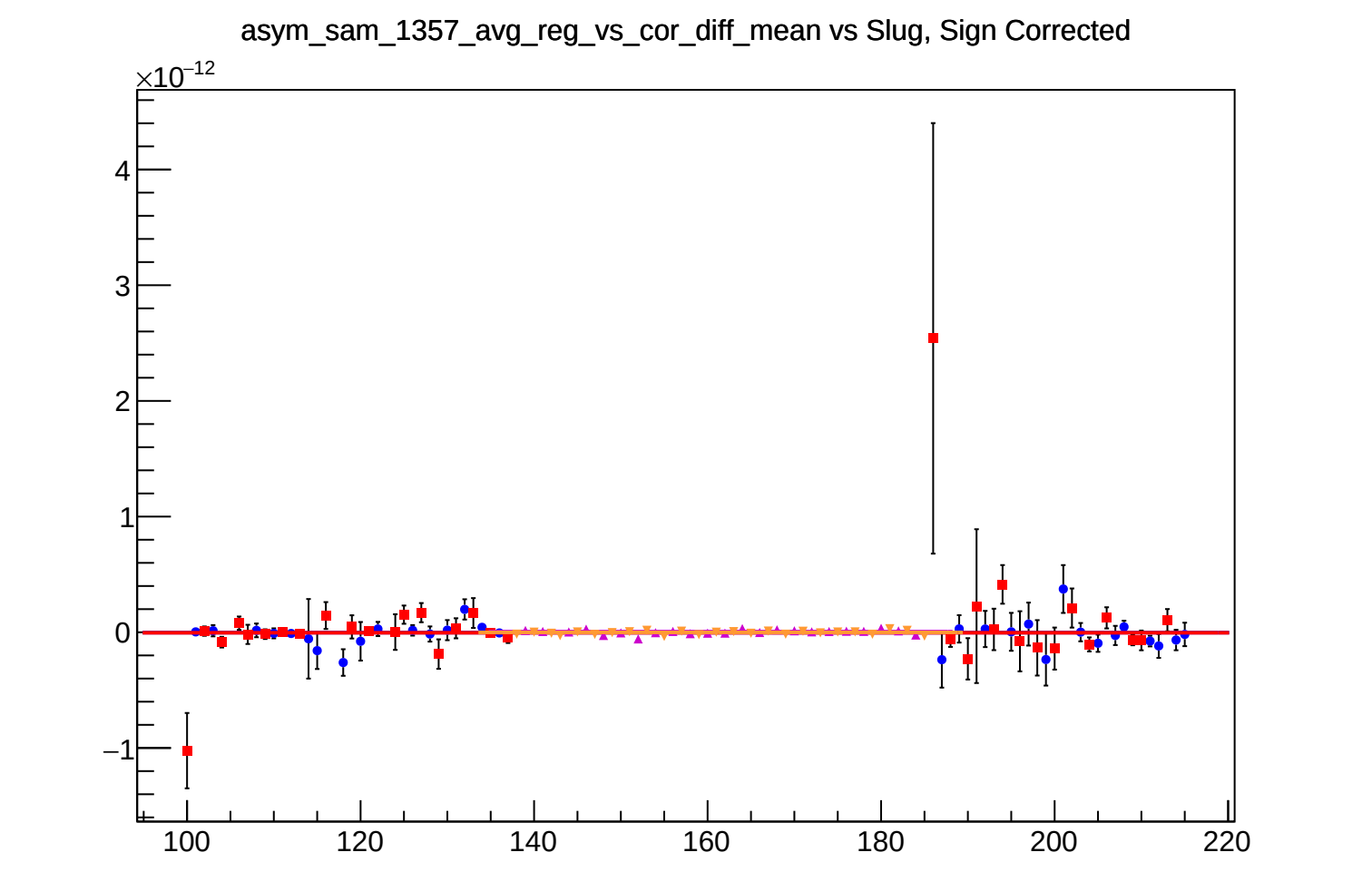
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 690.440+/-0.084 χ^2/NDF: 9018630.5/64

In: 425.397+/-0.053 χ^2/NDF:11382728.9/53

Out: 422.318+/-0.053 χ^2/NDF:12191056.0/58

All: 423.837+/-0.038 χ^2/NDF: 23575465.5/1



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.2/33

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

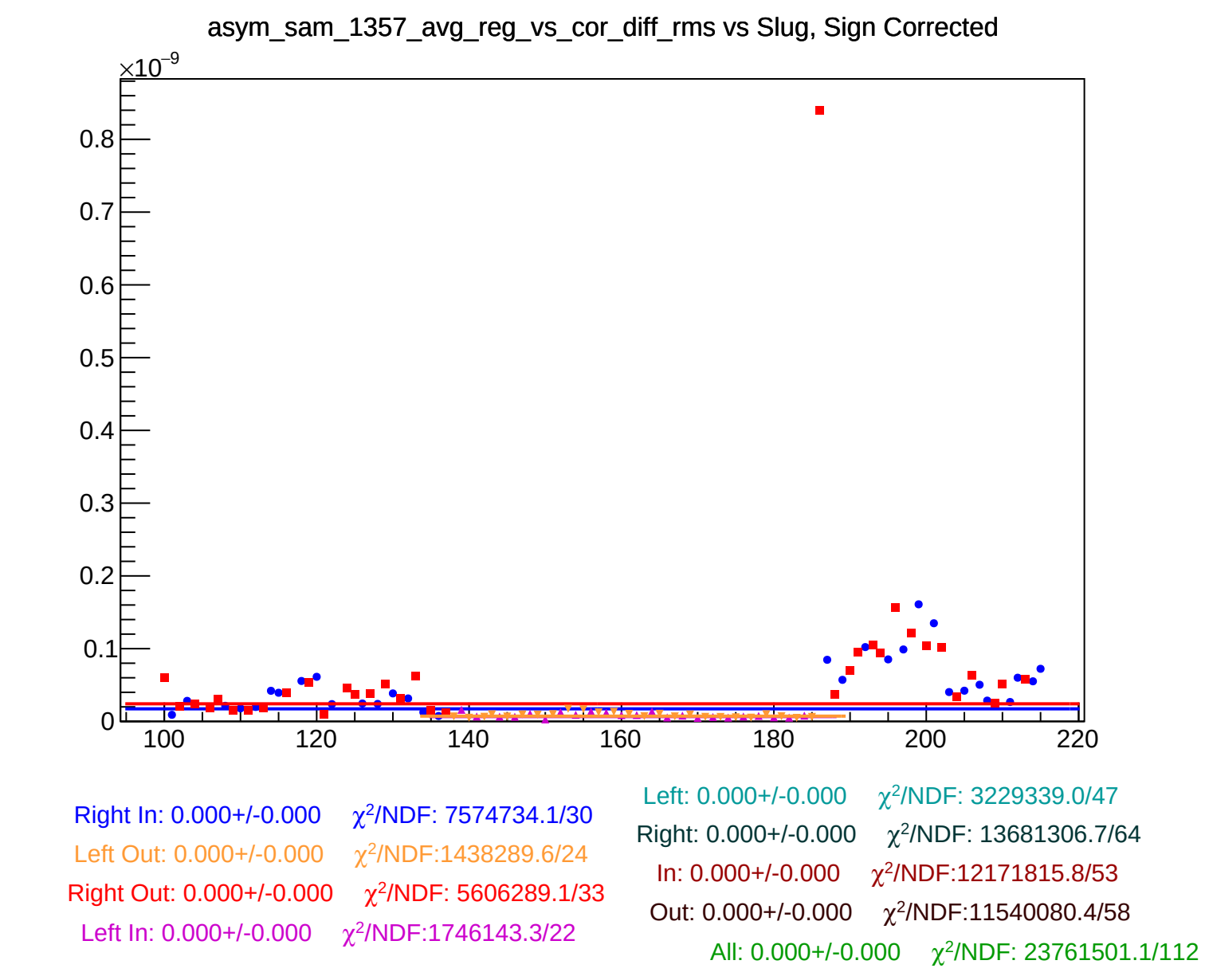
Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 78.4/64

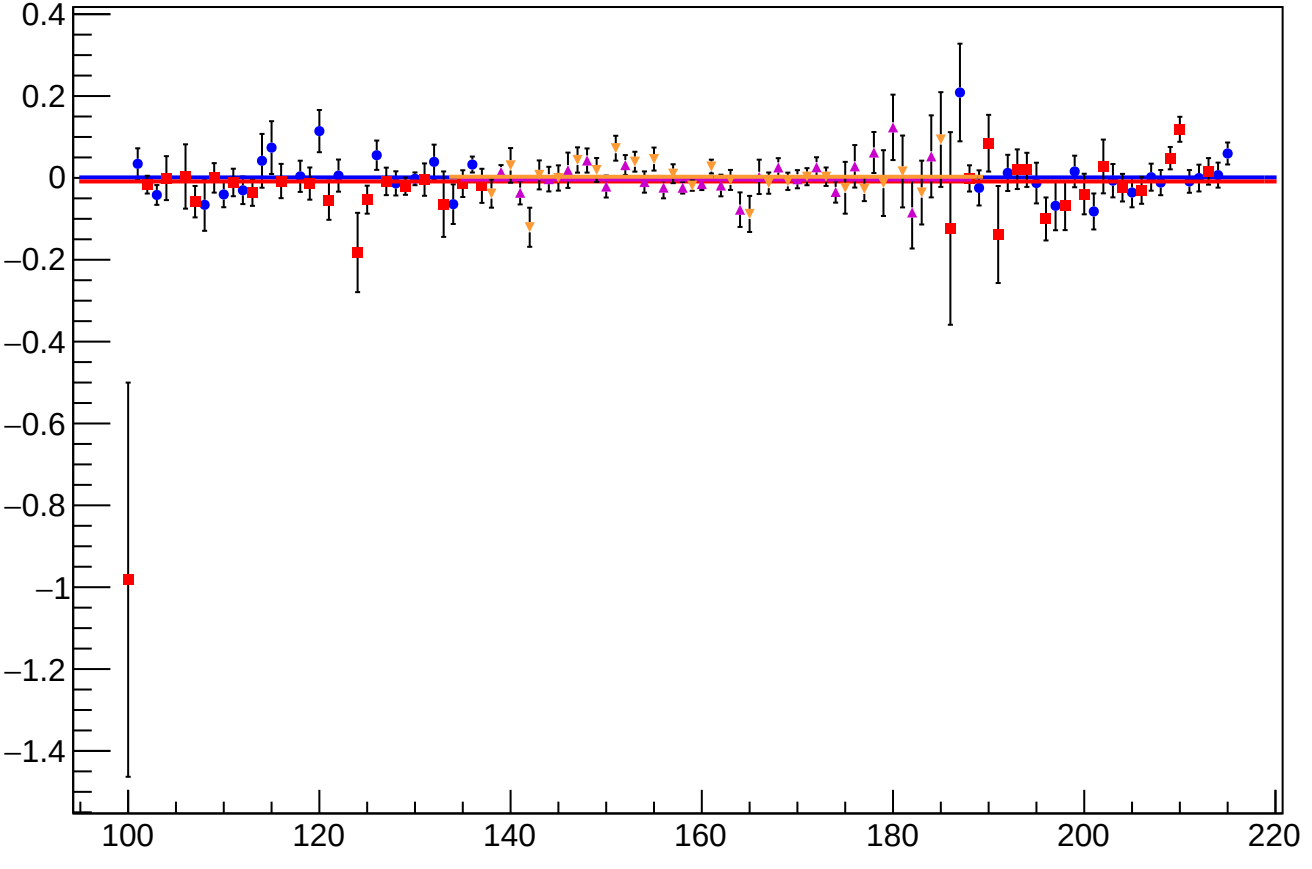
In: 0.000+/-0.000 χ^2/NDF:55.6/53

Out: -0.000+/-0.000 χ^2/NDF:70.4/58

All: 0.000+/-0.000 χ^2/NDF: 128.3/112


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: 7574734.1/30
Left Out: 0.000+/-0.000 χ²/NDF:1438289.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5606289.1/33
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: 13681306.7/64
In: 0.000+/-0.000 χ²/NDF:12171815.8/53
Out: 0.000+/-0.000 χ²/NDF:11540080.4/58
All: 0.000+/-0.000 χ²/NDF: 23761501.1/112

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.009+/-0.007 χ^2/NDF: 45.3/33

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

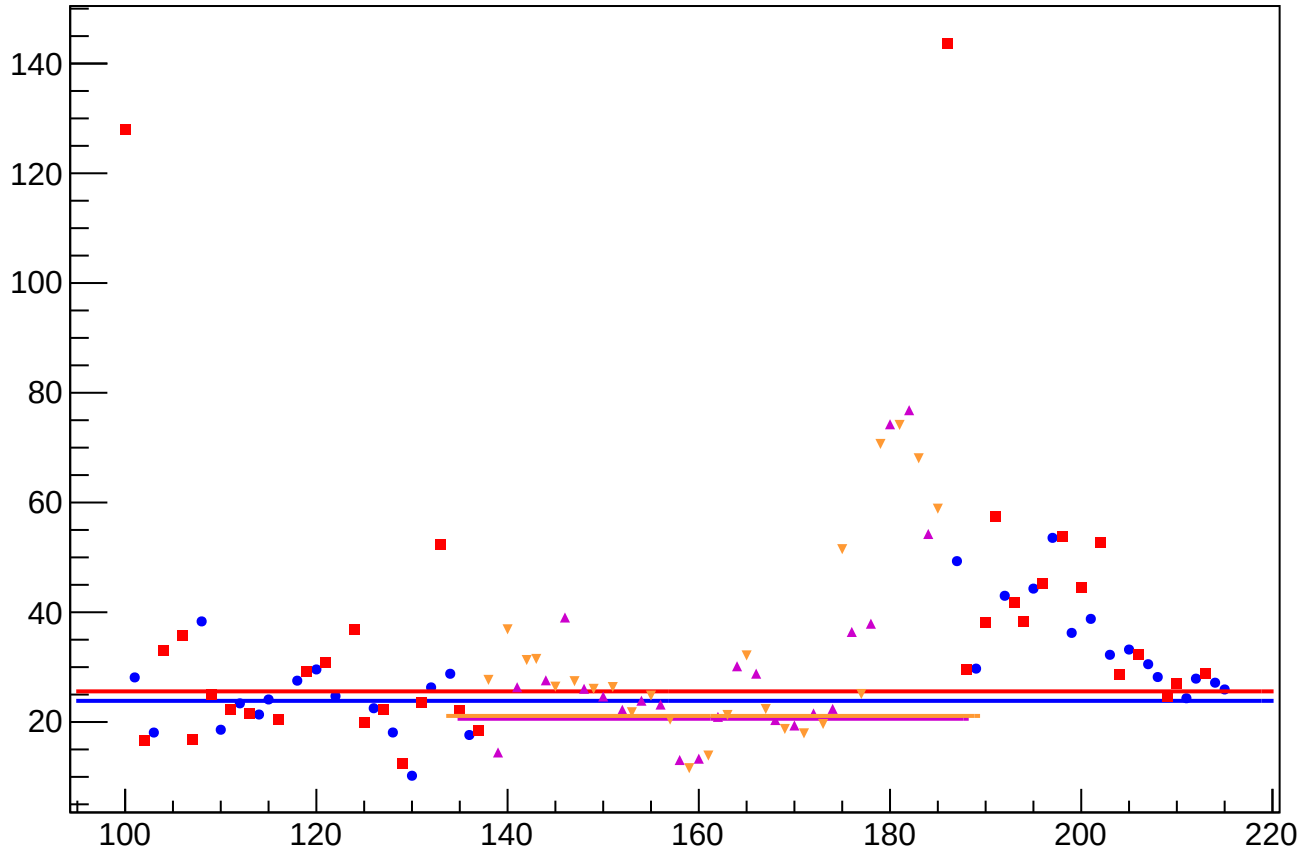
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.003+/-0.004 χ^2/NDF: 83.3/64

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.002+/-0.003 χ^2/NDF: 141.6/112



Right In: 23.855+/-0.004 χ^2/NDF: 4373980.2/30

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.584+/-0.005 χ^2/NDF: 4569061.8/33

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

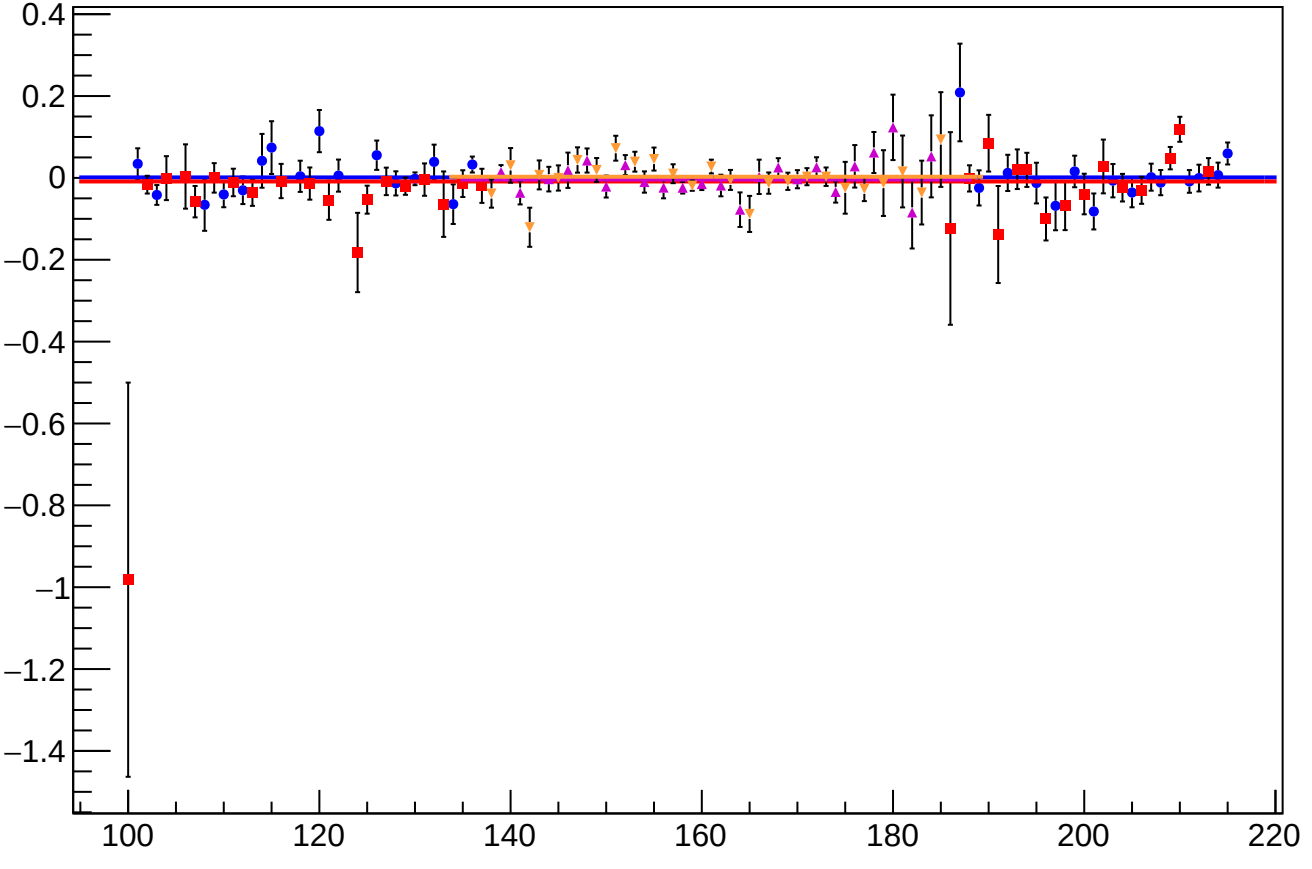
Right: 24.638+/-0.003 χ^2/NDF: 9017359.6/64

In: 22.053+/-0.003 χ^2/NDF:9296371.5/53

Out: 22.913+/-0.003 χ^2/NDF:10658835.7/58

All: 22.465+/-0.002 χ^2/NDF: 19998703.0/112

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.009+/-0.007 χ^2/NDF: 45.3/33

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

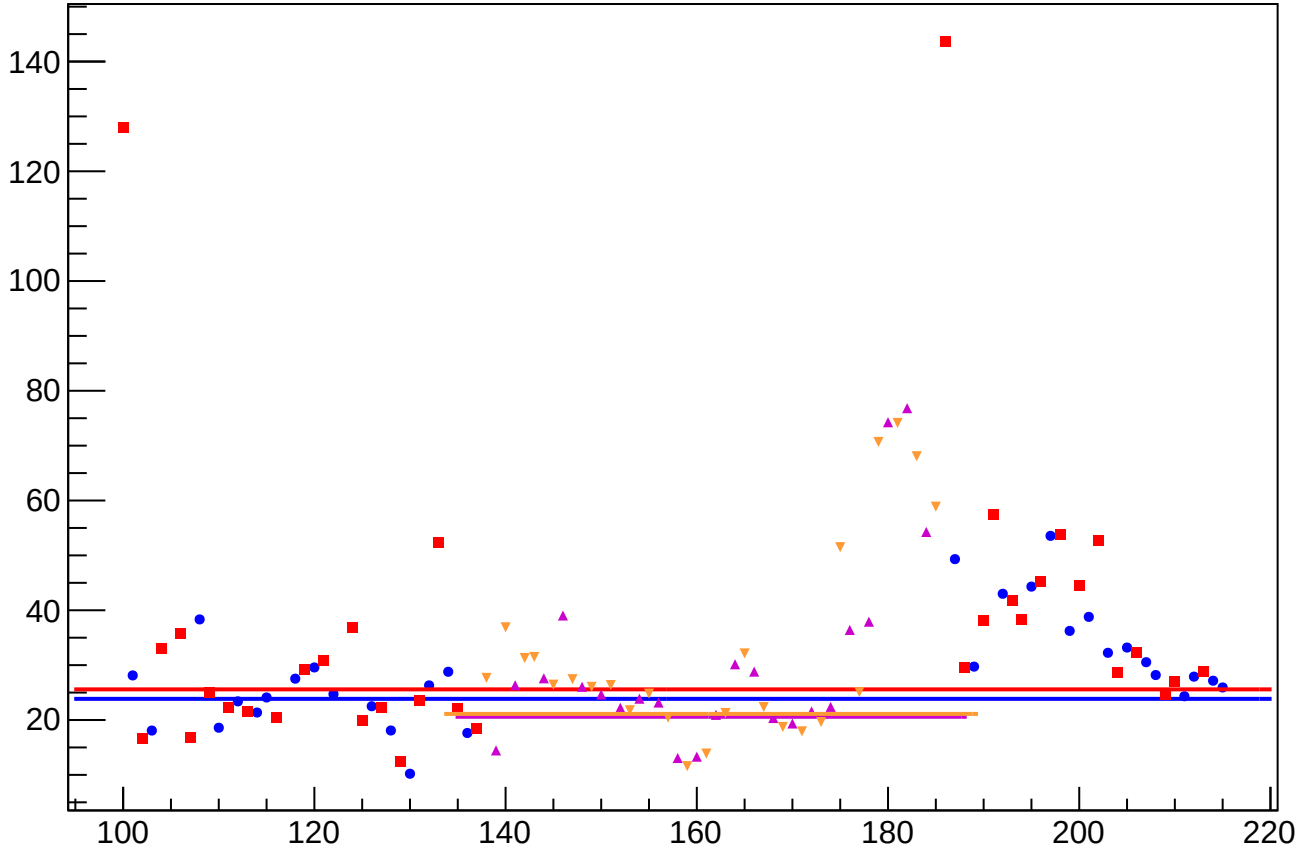
Right: -0.003+/-0.004 χ^2/NDF: 83.3/64

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.002+/-0.003 χ^2/NDF: 141.6/112

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.855+/-0.004 χ^2/NDF: 4373980.2/30

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.584+/-0.005 χ^2/NDF: 4569061.8/33

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

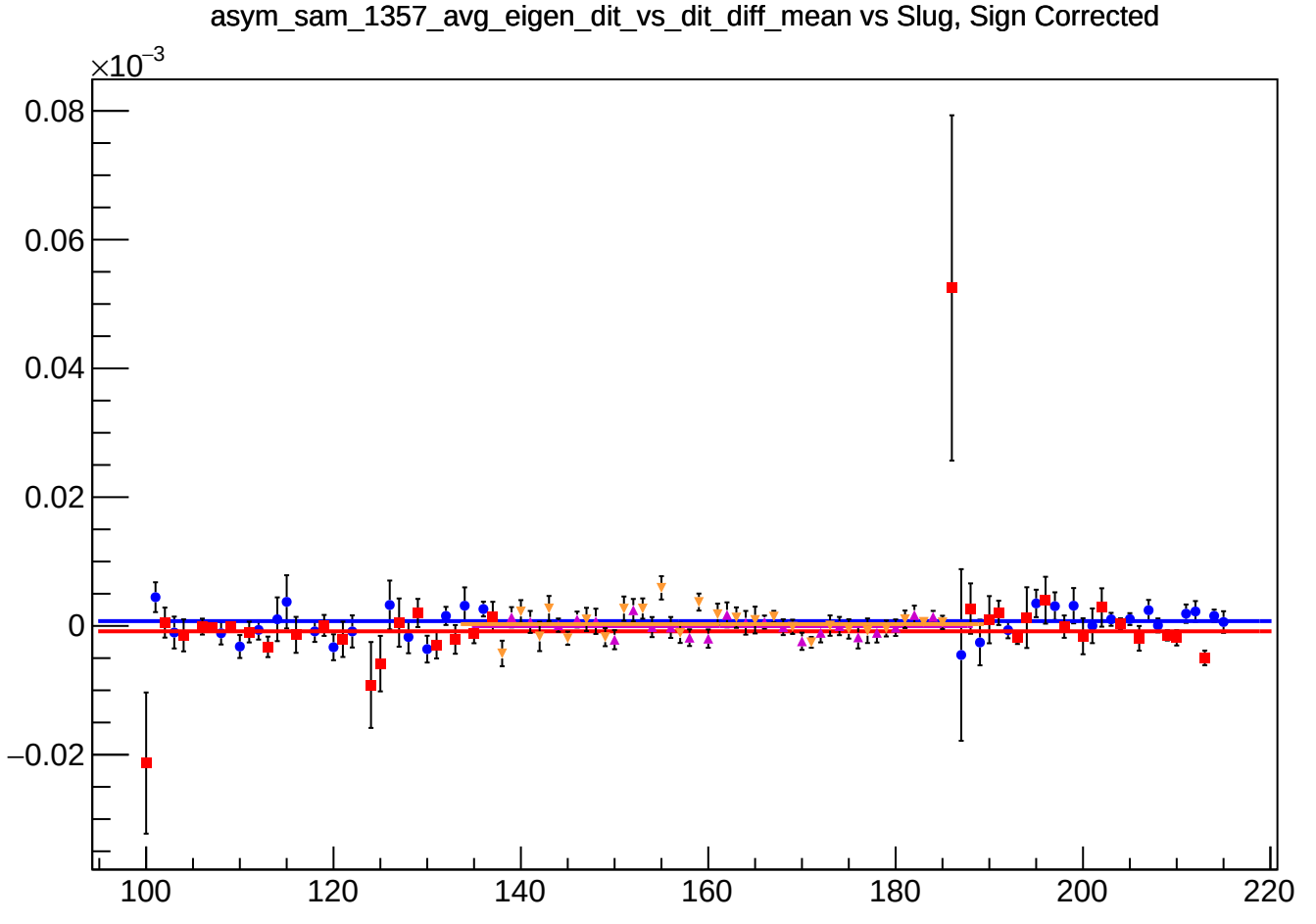
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

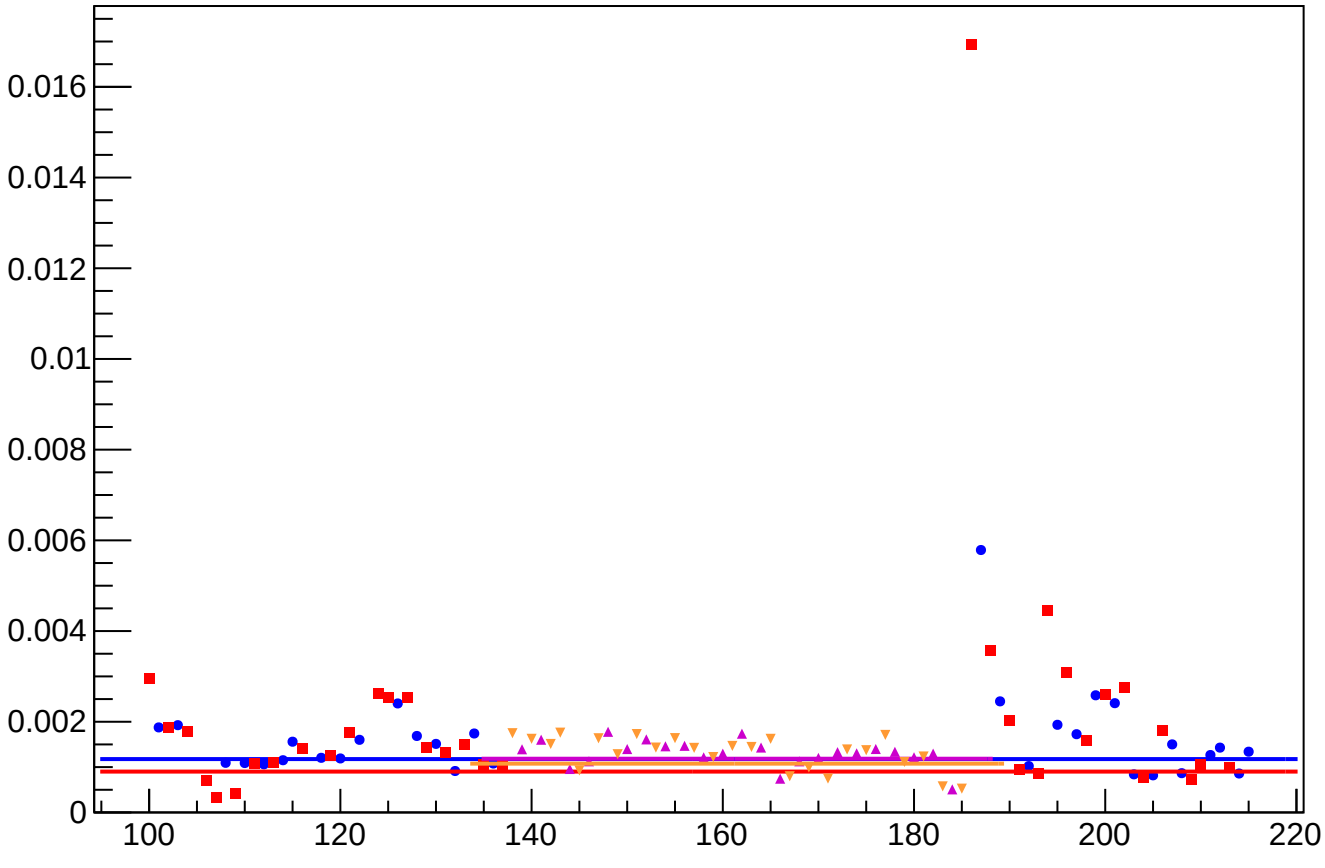
Right: 24.638+/-0.003 χ^2/NDF: 9017359.6/64

In: 22.053+/-0.003 χ^2/NDF:9296371.5/53

Out: 22.913+/-0.003 χ^2/NDF:10658835.7/58

All: 22.465+/-0.002 χ^2/NDF: 19998703.0/112


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: 35.2/30
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 45.0/33
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 96.6/64
In: 0.000+/-0.000 χ²/NDF:58.5/53
Out: -0.000+/-0.000 χ²/NDF:107.0/58
All: -0.000+/-0.000 χ²/NDF: 170.9/112



Right In: 0.001+/-0.000 χ^2/NDF: 3881040.5/30

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11183920.4/33

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

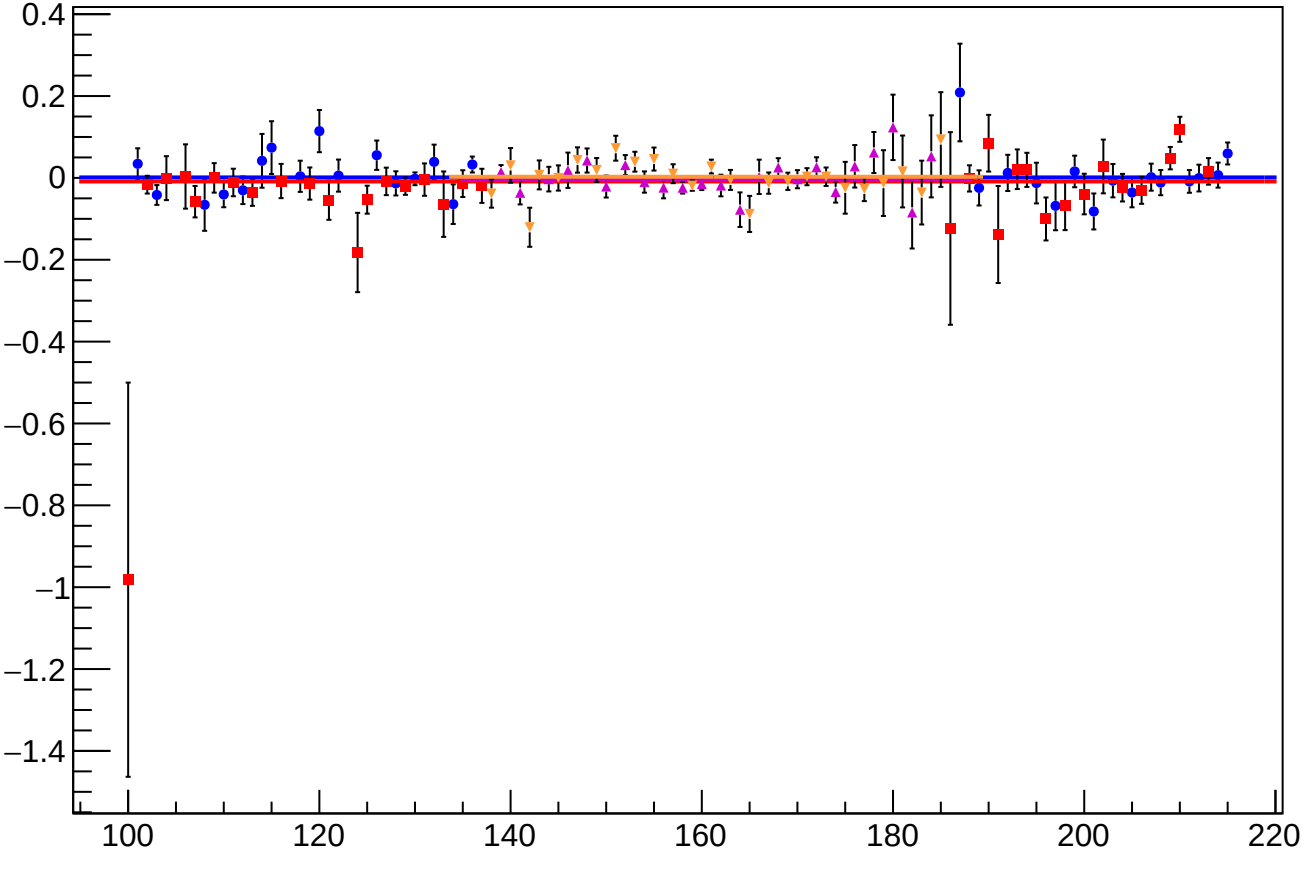
Right: 0.001+/-0.000 χ^2/NDF: 16059756.2/64

In: 0.001+/-0.000 χ^2/NDF:6338255.0/53

Out: 0.001+/-0.000 χ^2/NDF:16189807.1/58

All: 0.001+/-0.000 χ^2/NDF: 23525427.4/112

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.009+/-0.007 χ^2/NDF: 45.3/33

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

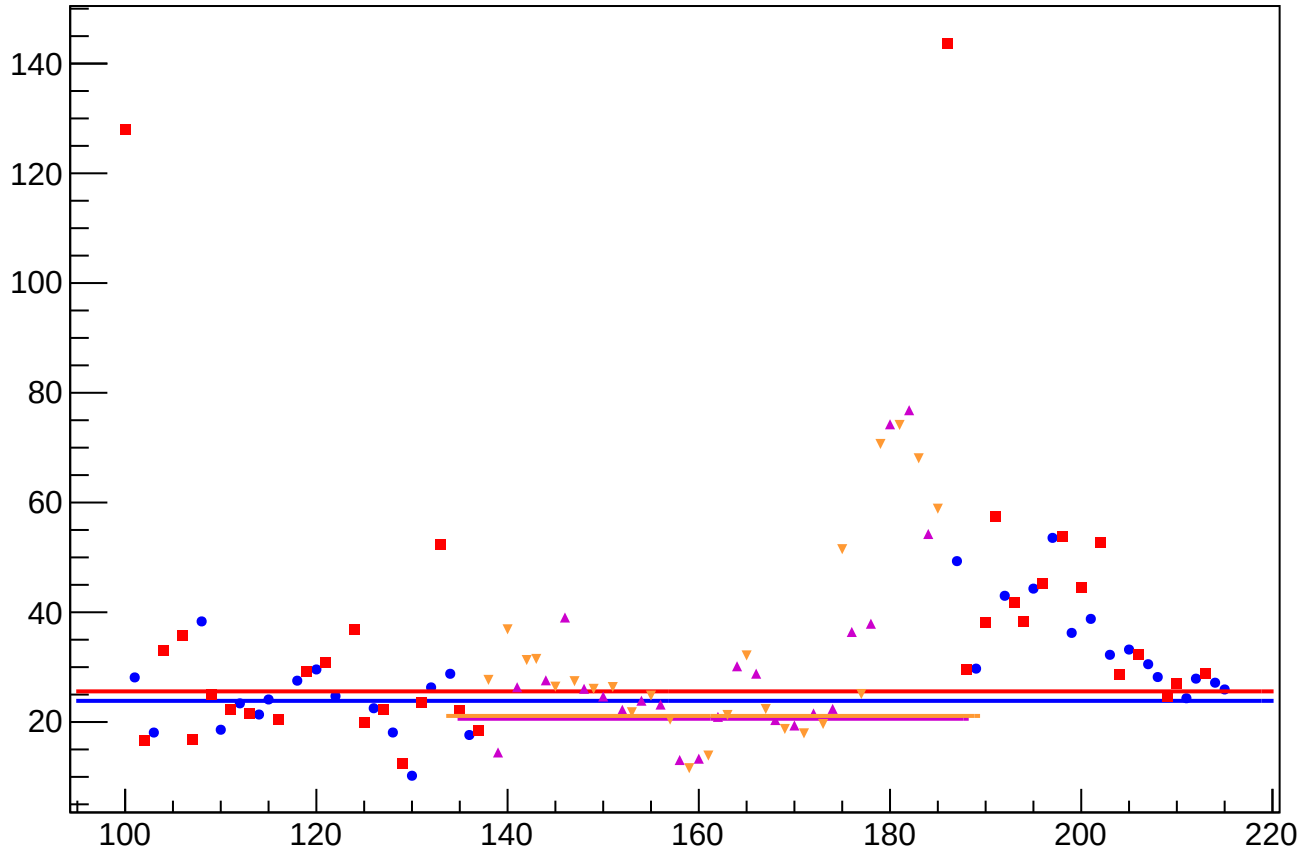
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.003+/-0.004 χ^2/NDF: 83.3/64

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.002+/-0.003 χ^2/NDF: 141.6/112



Right In: 23.856+/-0.004 χ^2/NDF: 4373696.3/30

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.584+/-0.005 χ^2/NDF: 4569027.1/33

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

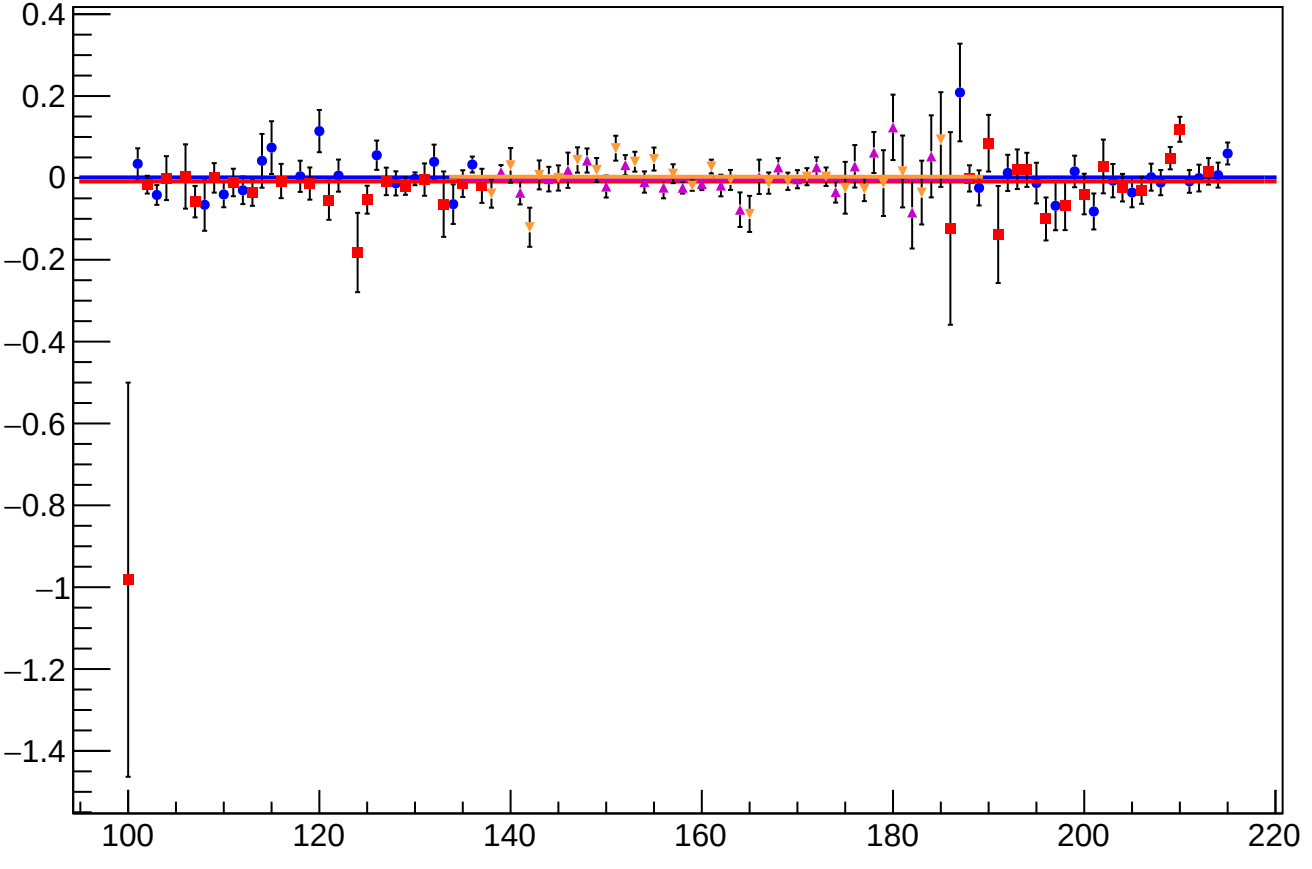
Right: 24.639+/-0.003 χ^2/NDF: 9017018.2/64

In: 22.053+/-0.003 χ^2/NDF:9296113.5/53

Out: 22.913+/-0.003 χ^2/NDF:10658948.7/58

All: 22.465+/-0.002 χ^2/NDF: 19998536.1/112

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.009+/-0.007 χ^2/NDF: 45.3/33

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

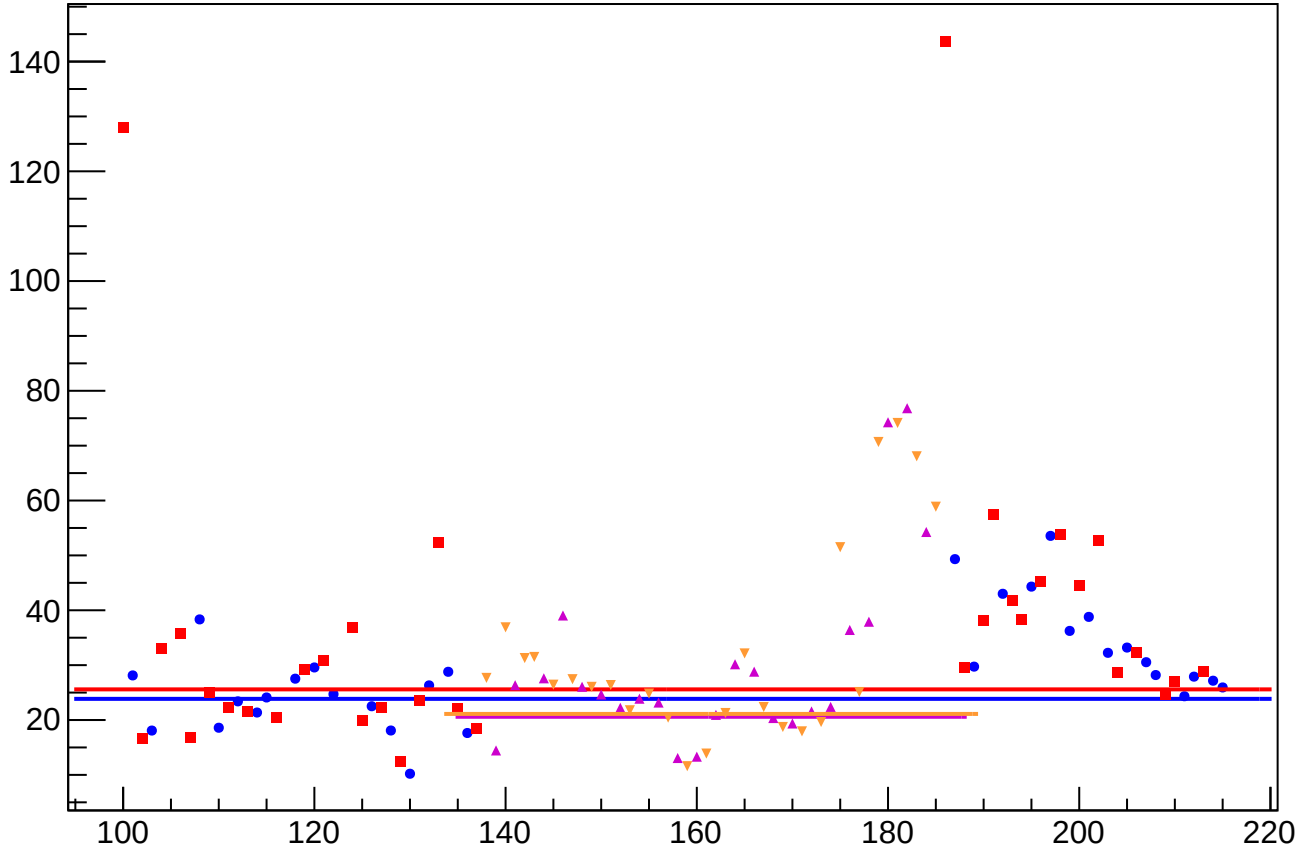
Right: -0.003+/-0.004 χ^2/NDF: 83.3/64

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: -0.002+/-0.004 χ^2/NDF:79.9/58

All: -0.002+/-0.003 χ^2/NDF: 141.6/112

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.856+/-0.004 χ^2/NDF: 4373696.3/30

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.584+/-0.005 χ^2/NDF: 4569027.1/33

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

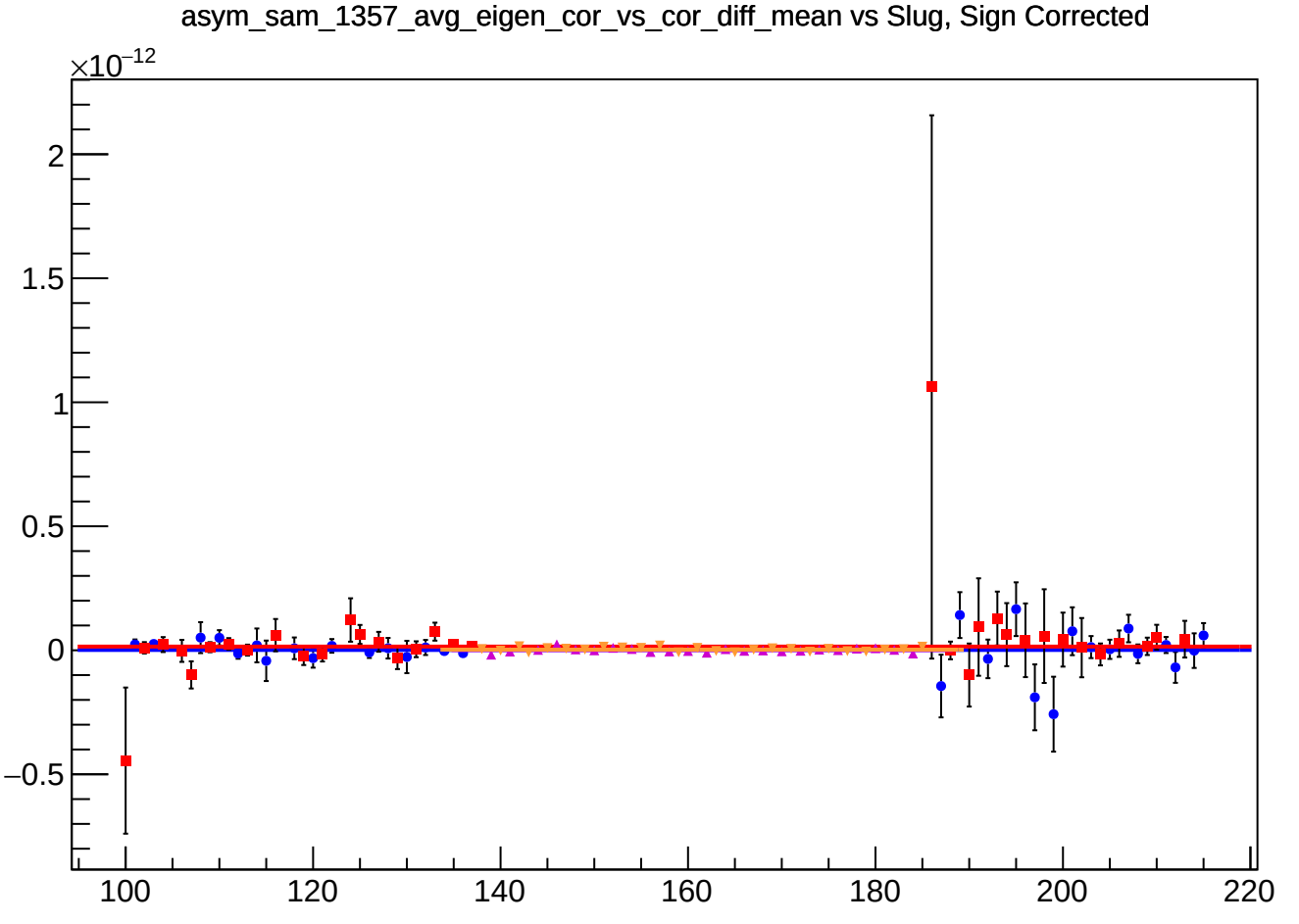
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.639+/-0.003 χ^2/NDF: 9017018.2/64

In: 22.053+/-0.003 χ^2/NDF:9296113.5/53

Out: 22.913+/-0.003 χ^2/NDF:10658948.7/58

All: 22.465+/-0.002 χ^2/NDF: 19998536.1/112



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/33

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

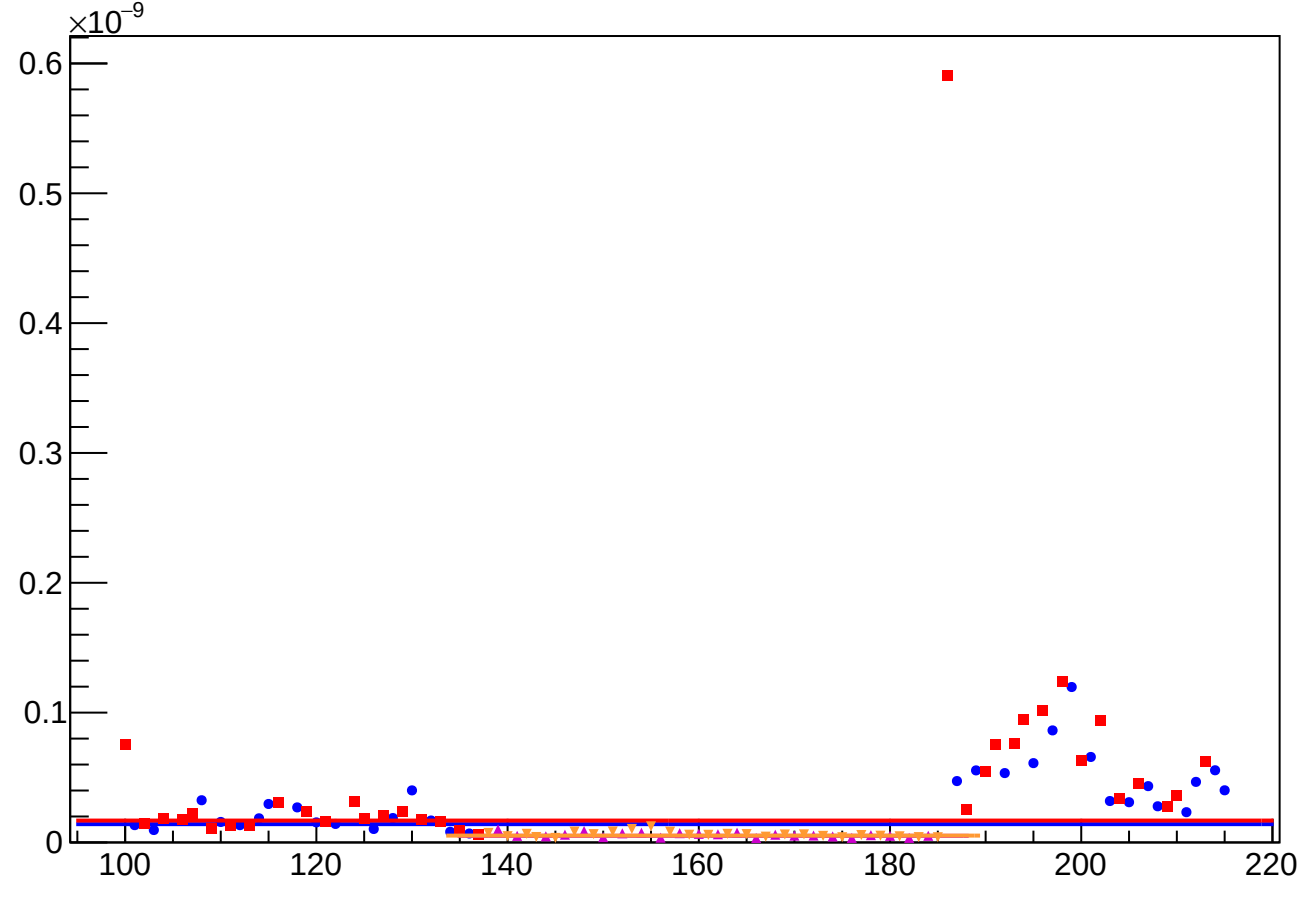
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 53.3/64

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:46.9/58

All: 0.000+/-0.000 χ^2/NDF: 97.8/112



Right In: 0.000+/-0.000 χ^2/NDF: 9621504.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8898439.5/33

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

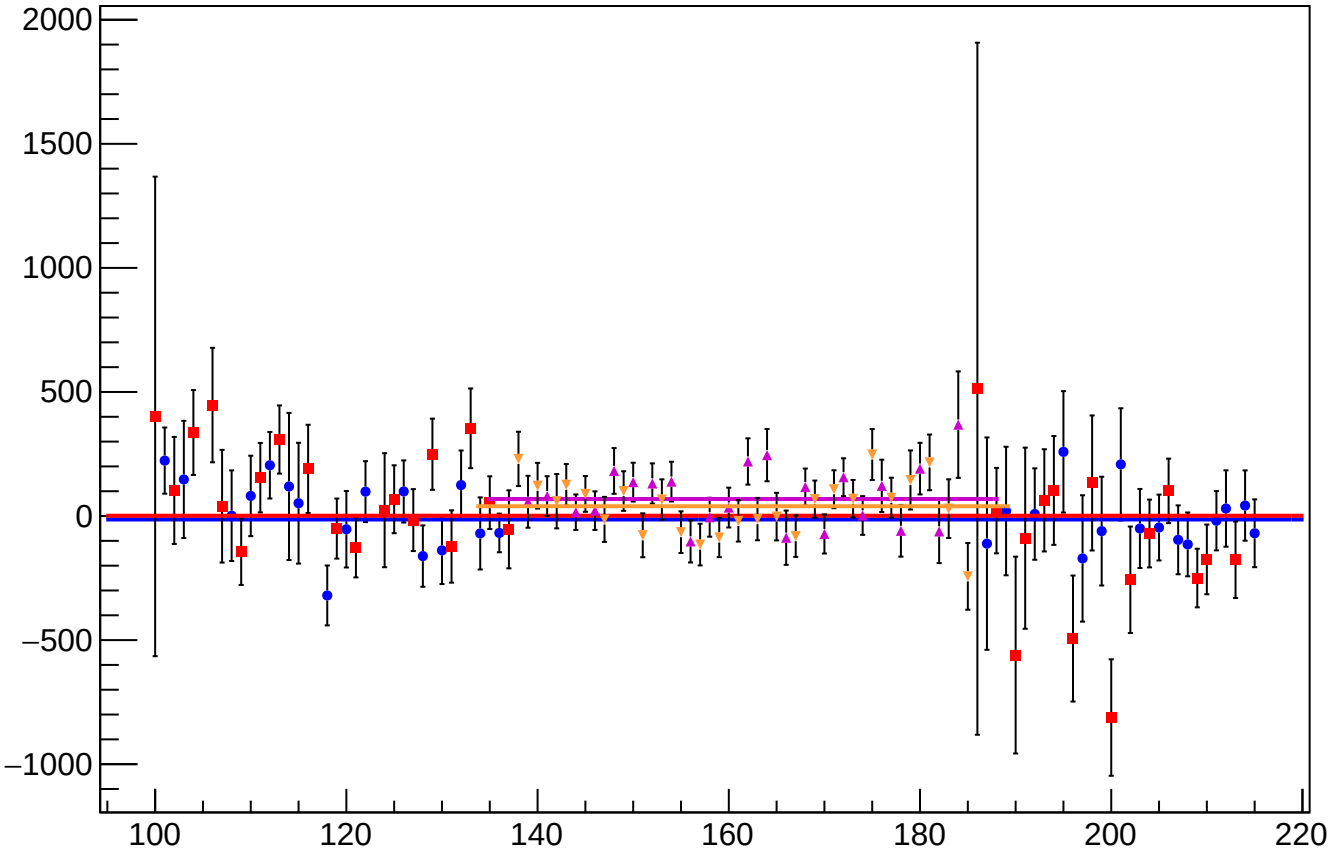
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 18757452.4/64

In: 0.000+/-0.000 χ^2/NDF:16778809.8/53

Out: 0.000+/-0.000 χ^2/NDF:17760739.3/58

All: 0.000+/-0.000 χ^2/NDF: 34550797.8/112



Right In: -13.827+/-26.753 χ^2/NDF: 23.2/30

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 1.220+/-28.167 χ^2/NDF: 55.2/33

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

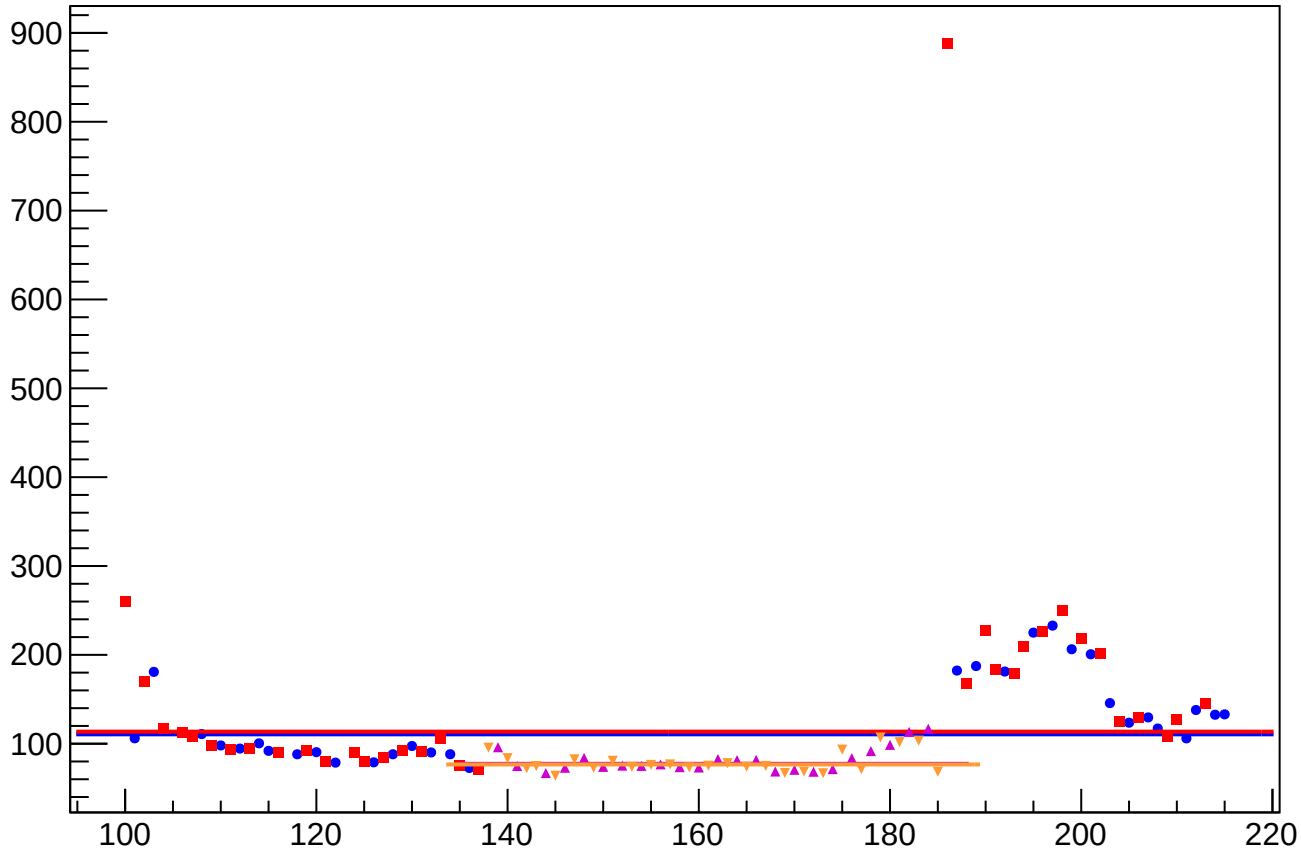
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: -6.691+/-19.398 χ^2/NDF: 78.5/64

In: 42.305+/-15.114 χ^2/NDF:58.6/53

Out: 28.677+/-14.966 χ^2/NDF:88.5/58

All: 35.424+/-10.634 χ^2/NDF: 147.5/112



Right In: 110.558+/-0.019 χ^2/NDF: 3699410.5/30

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 113.577+/-0.020 χ^2/NDF: 4722184.0/33

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

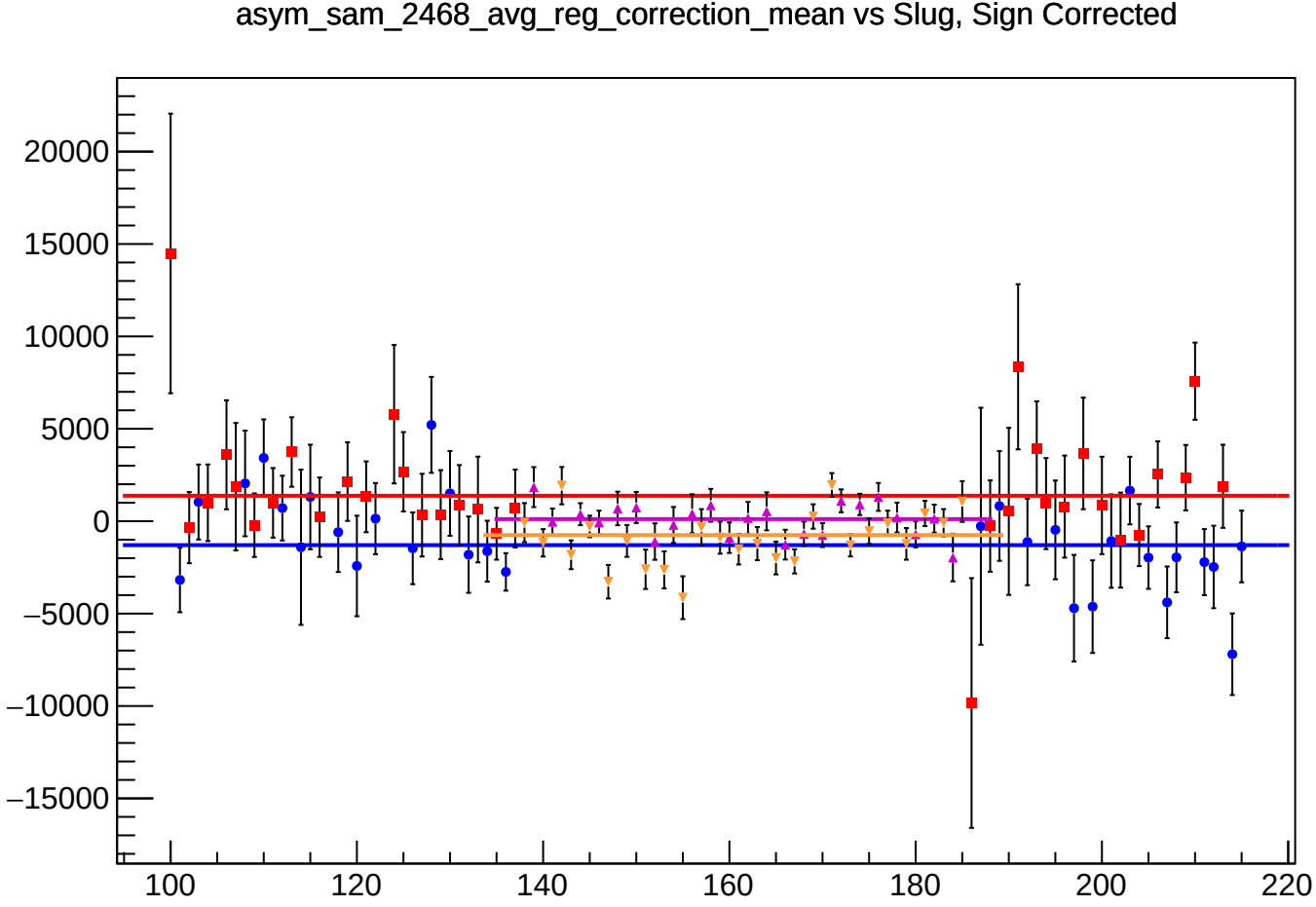
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 111.990+/-0.014 χ^2/NDF: 8433671.8/64

In: 87.948+/-0.011 χ^2/NDF:6388176.3/53

Out: 87.073+/-0.011 χ^2/NDF:7844309.4/58

All: 87.506+/-0.008 χ^2/NDF: 14235873.1/112



Right In: -1294.970+/-370.095 χ^2/NDF: 38.8/30

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1377.669+/-388.950 χ^2/NDF: 31.3/33

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

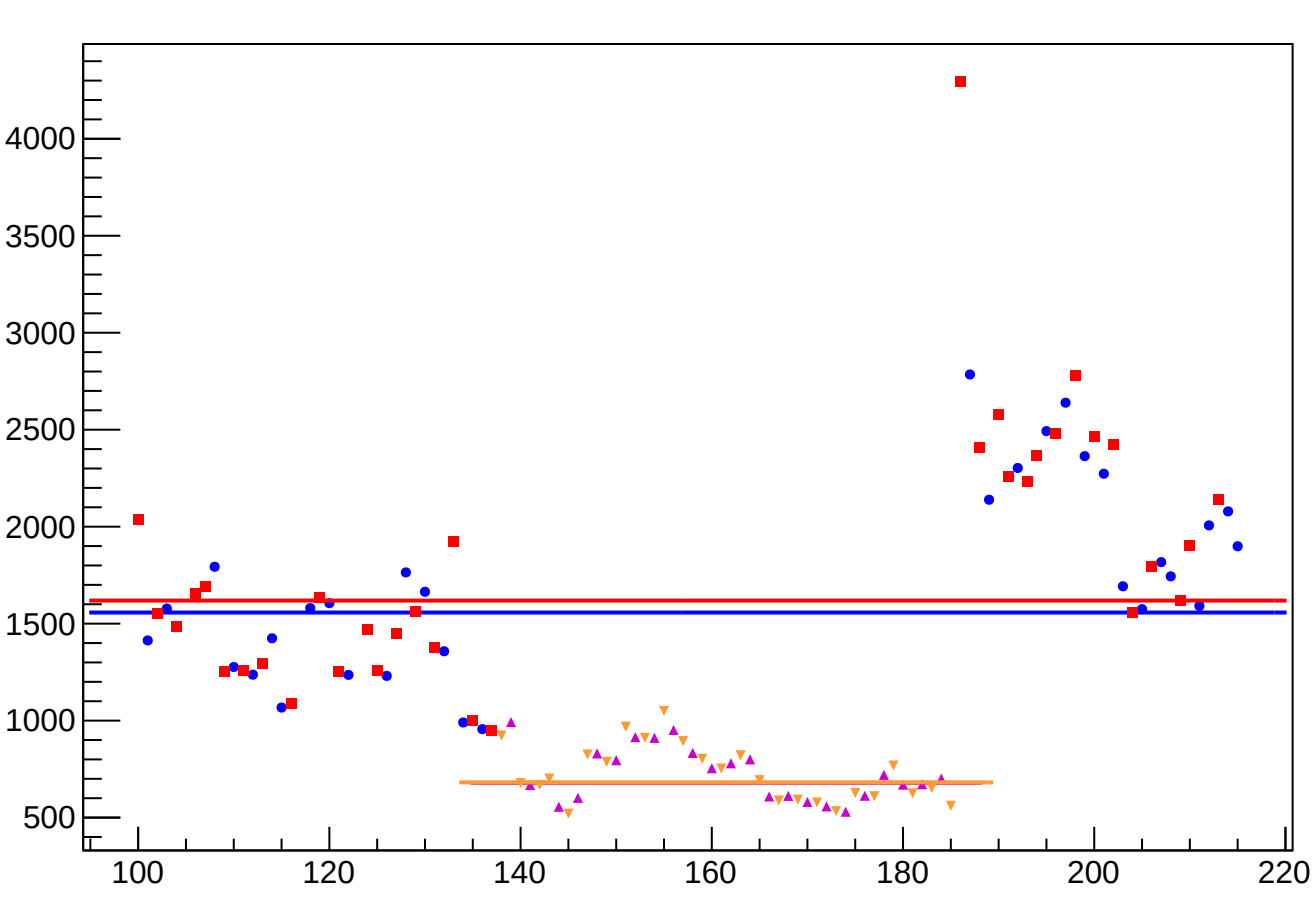
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: -24.999+/-268.115 χ^2/NDF: 94.9/64

In: -112.275+/-148.258 χ^2/NDF:76.0/53

Out: -448.058+/-146.448 χ^2/NDF:126.9/58

All: -282.230+/-104.188 χ^2/NDF: 205.6/112



Right In: 1557.347+/-0.262 χ^2/NDF: 2848208.7/30

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1618.944+/-0.275 χ^2/NDF: 3152239.7/33

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

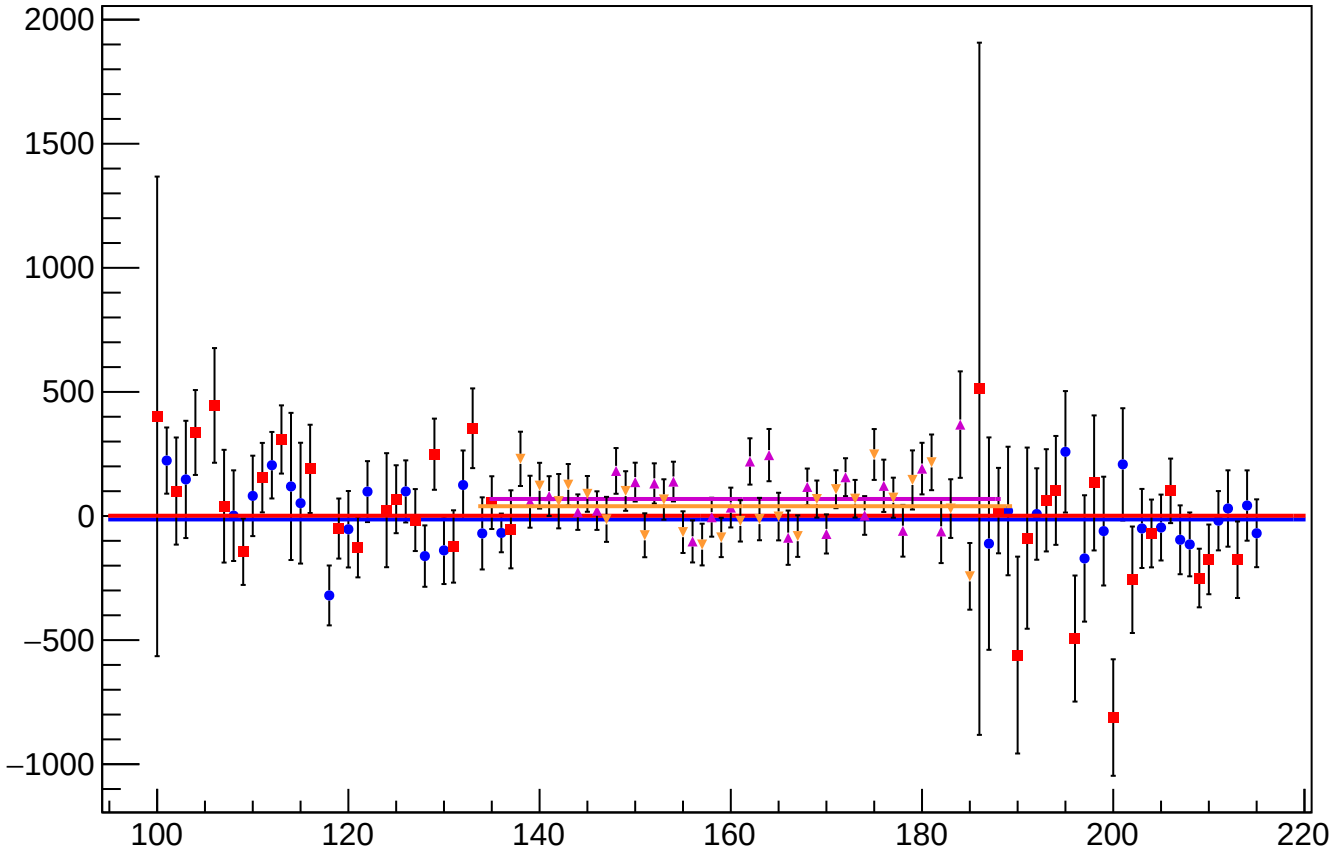
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1586.616+/-0.190 χ^2/NDF: 6026773.8/64

In: 820.301+/-0.105 χ^2/NDF:13481888.4/53

Out: 814.336+/-0.104 χ^2/NDF:14458987.5/58

All: 817.282+/-0.074 χ^2/NDF: 27942514.7/1



Right In: -13.836+/-26.753 χ^2/NDF: 23.2/30

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 1.126+/-28.168 χ^2/NDF: 55.2/33

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

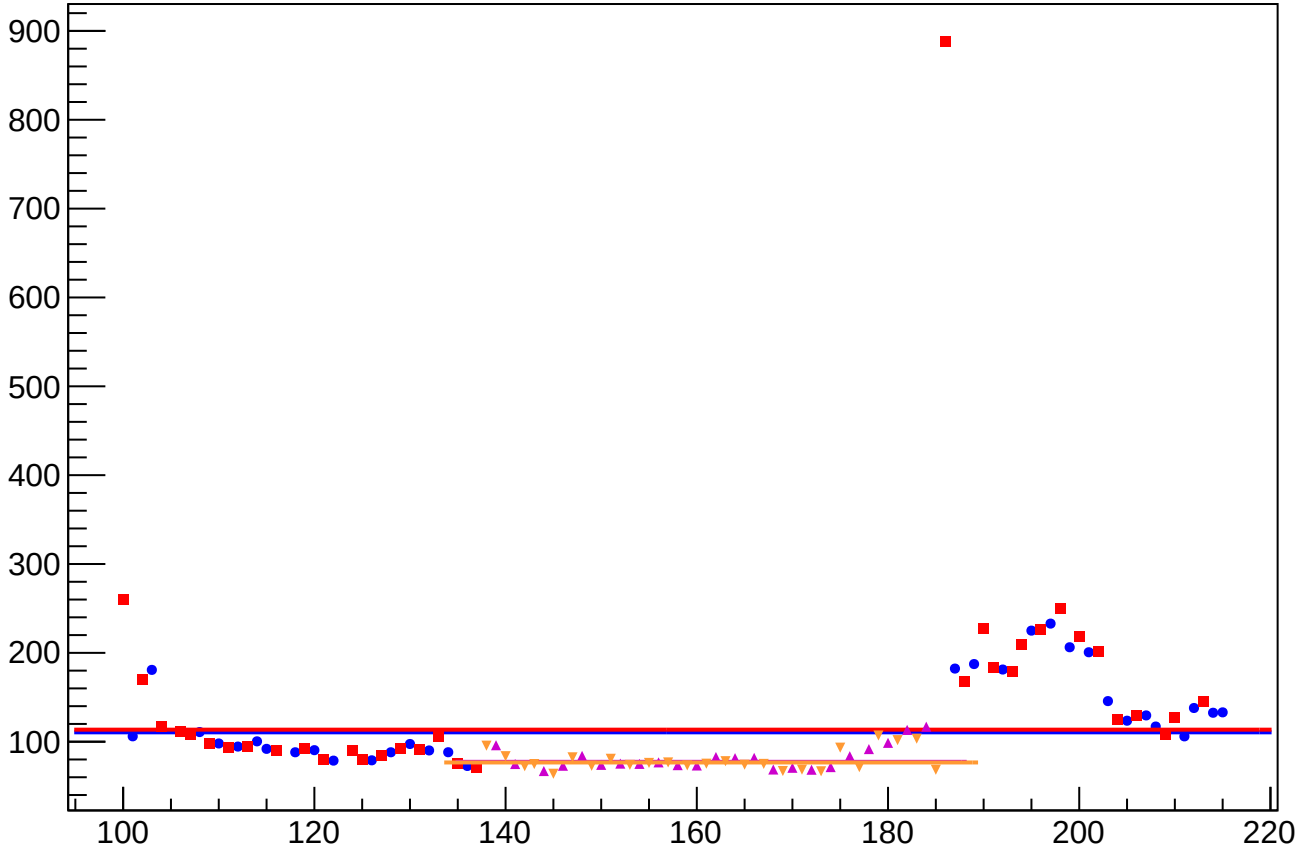
Right: -6.741+/-19.398 χ^2/NDF: 78.5/64

In: 42.302+/-15.114 χ^2/NDF:58.6/53

Out: 28.656+/-14.966 χ^2/NDF:88.4/58

All: 35.412+/-10.635 χ^2/NDF: 147.5/112

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 110.558+/-0.019 χ^2/NDF: 3699414.1/30

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 113.558+/-0.020 χ^2/NDF: 4722573.9/33

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

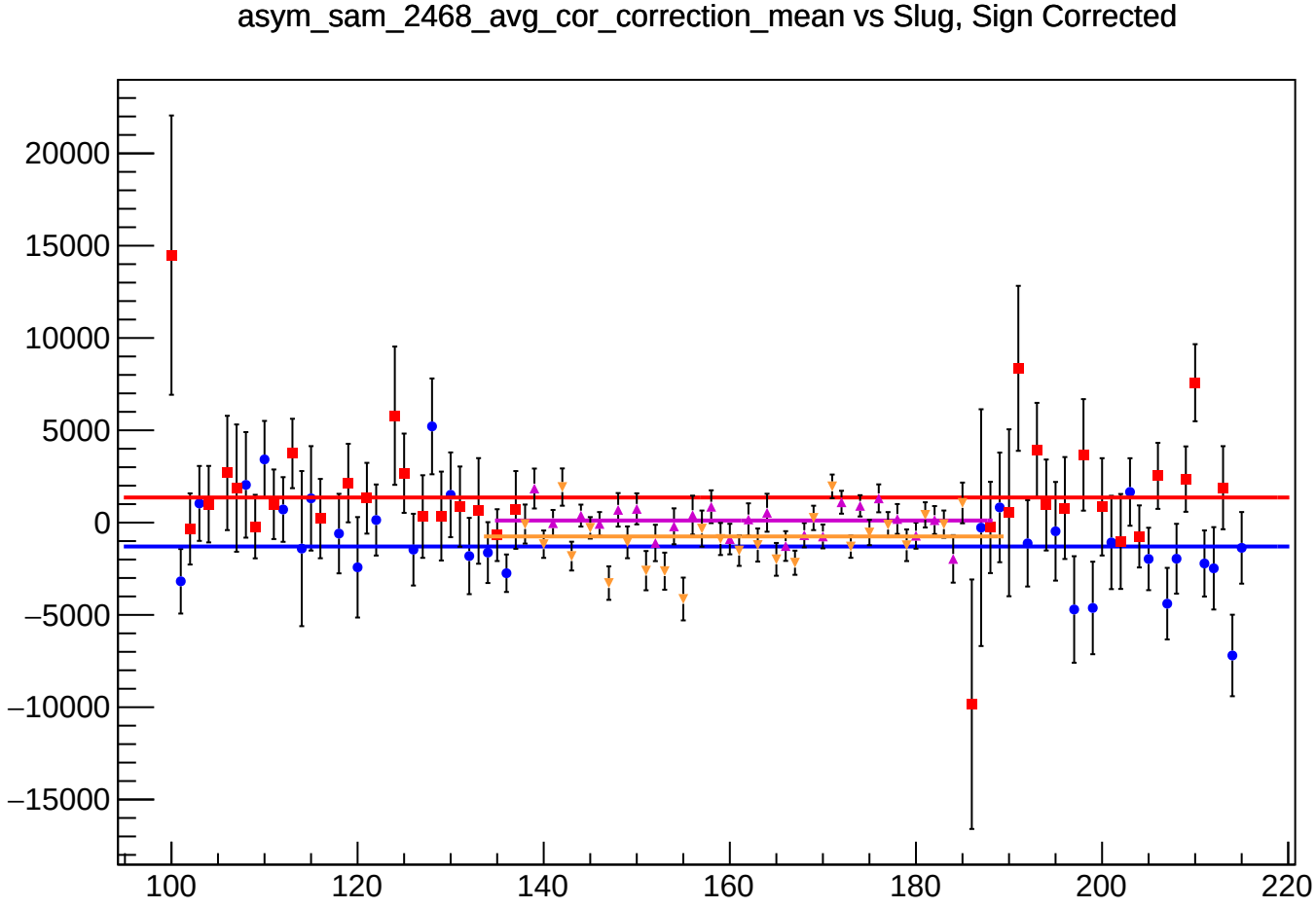
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 111.981+/-0.014 χ^2/NDF: 8433911.7/64

In: 87.948+/-0.011 χ^2/NDF:6388179.9/53

Out: 87.067+/-0.011 χ^2/NDF:7842008.6/58

All: 87.503+/-0.008 χ^2/NDF: 14233622.0/112



Right In: -1294.953+/-370.096 χ^2/NDF: 38.8/30

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1360.187+/-389.271 χ^2/NDF: 30.9/33

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

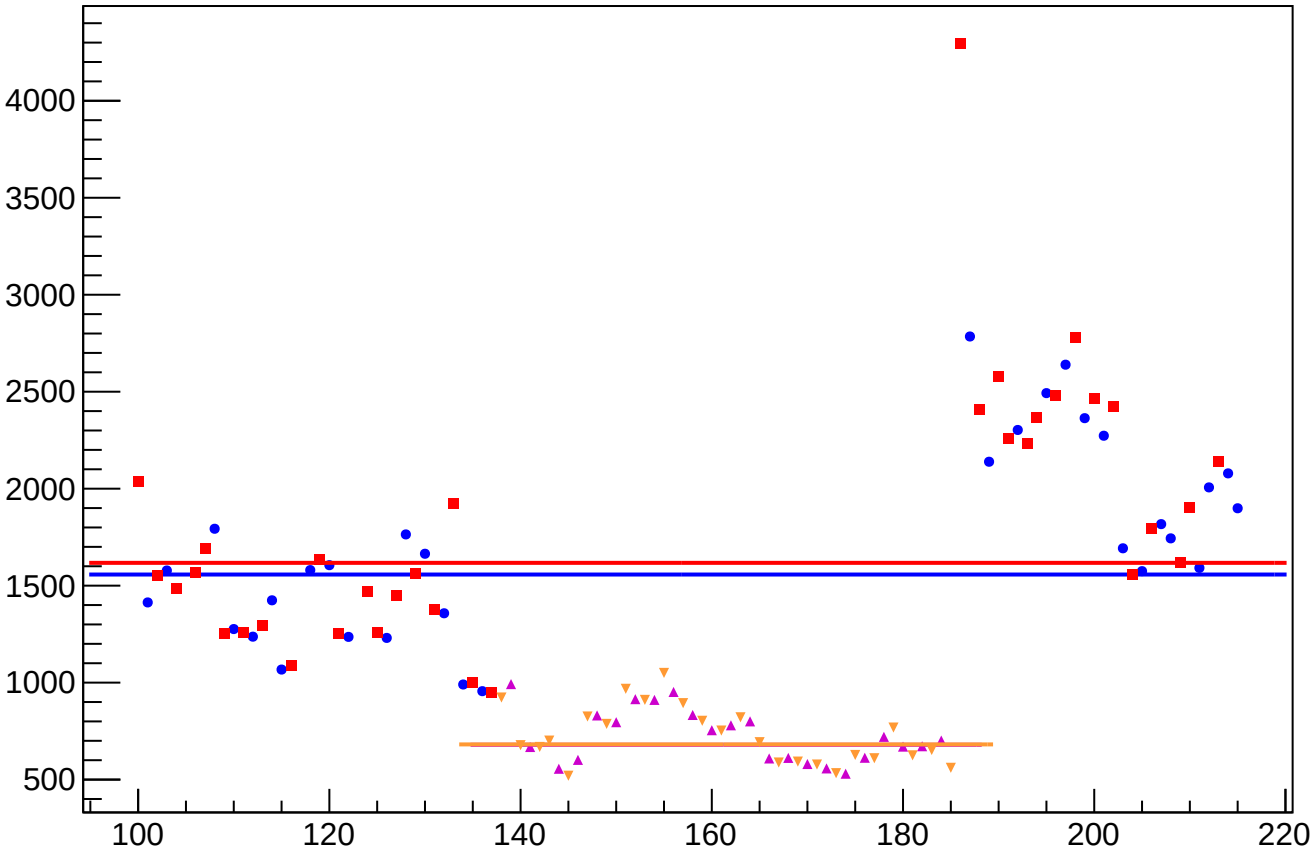
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: -34.385+/-268.220 χ^2/NDF: 94.1/64

In: -112.271+/-148.258 χ^2/NDF:76.0/53

Out: -450.952+/-146.465 χ^2/NDF:126.1/58

All: -283.673+/-104.195 χ^2/NDF: 204.8/112



Right In: 1557.350+/-0.262 χ^2/NDF: 2848216.3/30

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1617.566+/-0.275 χ^2/NDF: 3152364.2/33

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

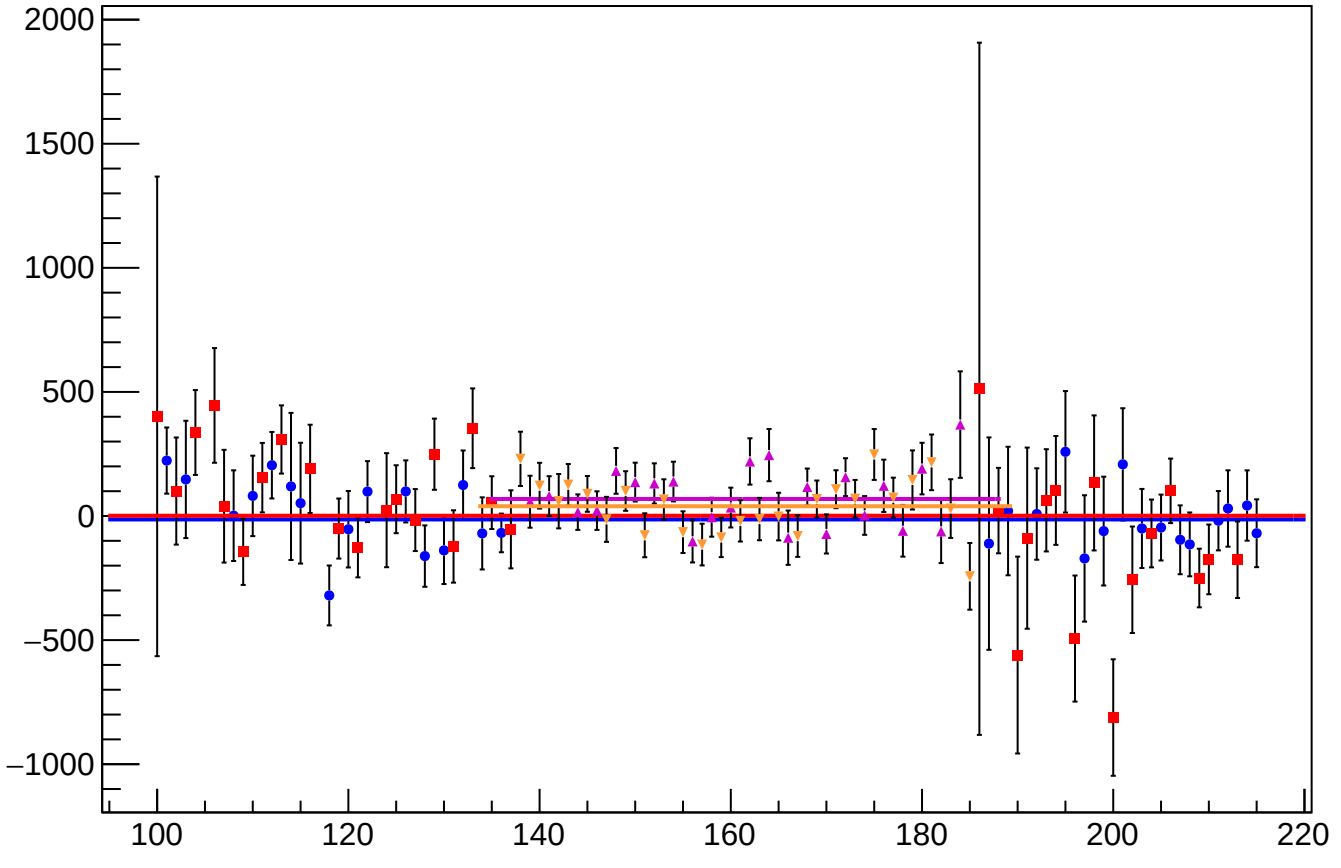
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1585.938+/-0.190 χ^2/NDF: 6025716.3/64

In: 820.301+/-0.105 χ^2/NDF:13481921.8/53

Out: 813.953+/-0.104 χ^2/NDF:14415749.0/58

All: 817.088+/-0.074 χ^2/NDF: 27899526.8/1



Right In: -13.836+/-26.753 χ^2/NDF: 23.2/30

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 1.126+/-28.168 χ^2/NDF: 55.2/33

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

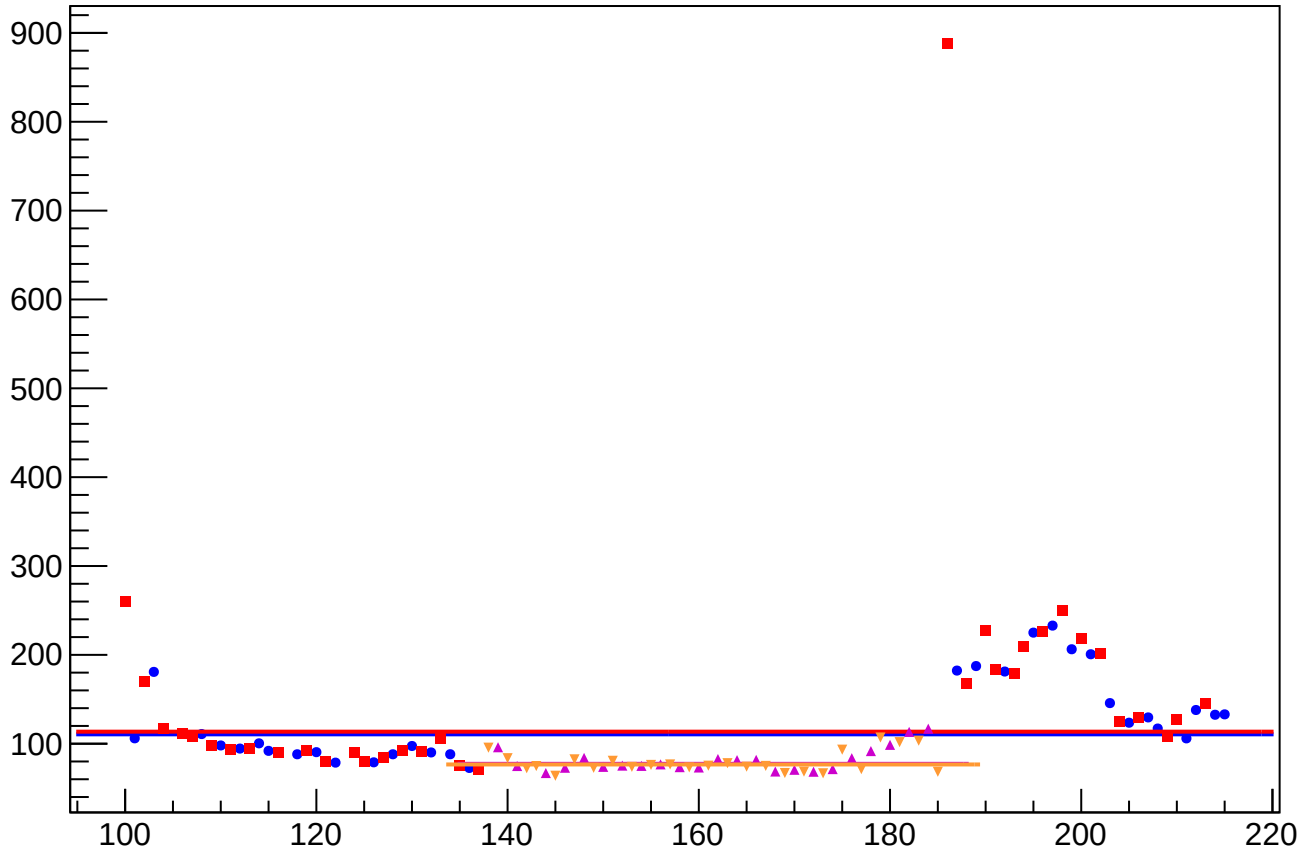
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -6.741+/-19.398 χ^2/NDF: 78.5/64

In: 42.302+/-15.114 χ^2/NDF:58.6/53

Out: 28.656+/-14.966 χ^2/NDF:88.4/58

All: 35.412+/-10.635 χ^2/NDF: 147.5/112



Right In: 110.558+/-0.019 χ^2/NDF: 3699414.1/30

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 113.558+/-0.020 χ^2/NDF: 4722573.9/33

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

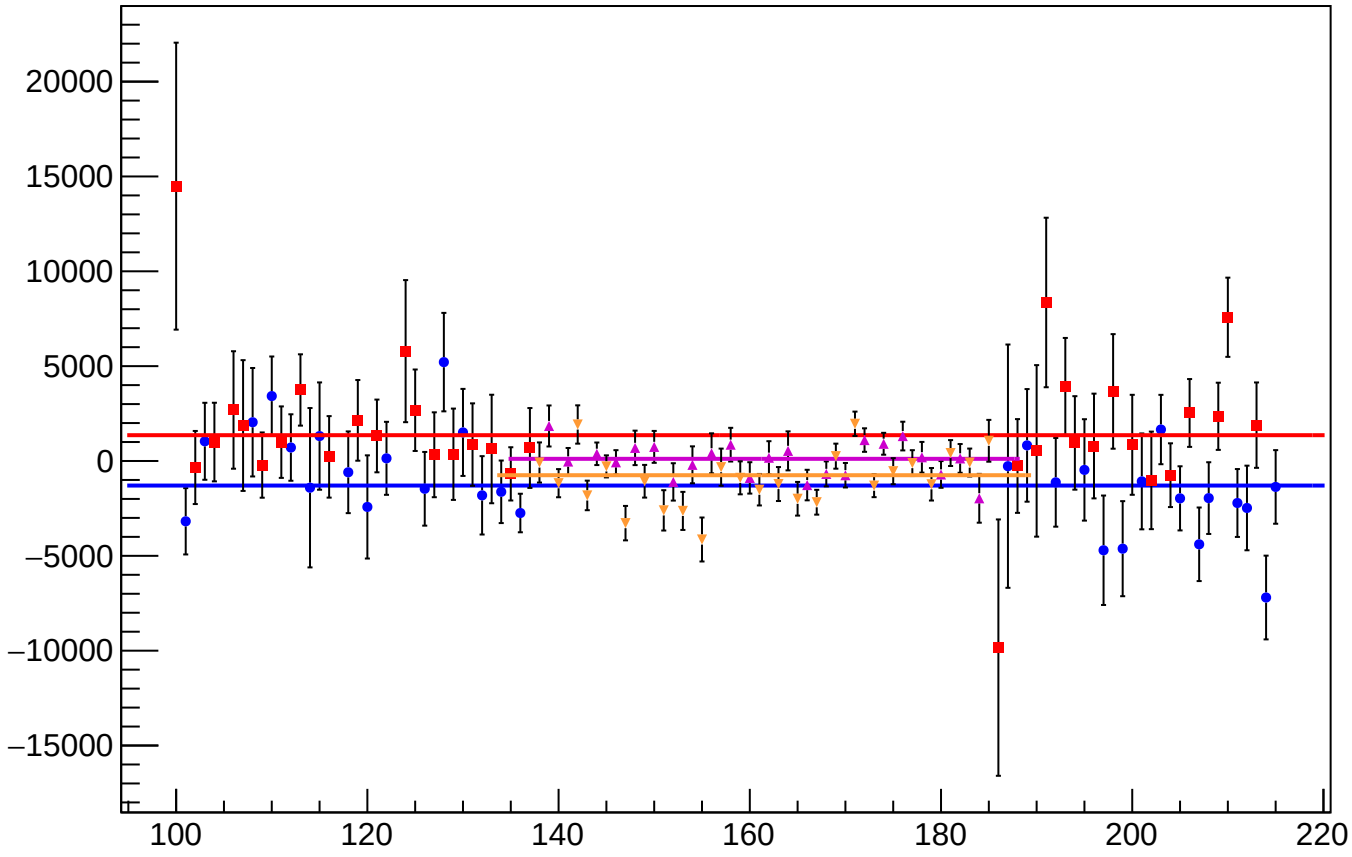
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 111.981+/-0.014 χ^2/NDF: 8433911.7/64

In: 87.948+/-0.011 χ^2/NDF:6388179.9/53

Out: 87.067+/-0.011 χ^2/NDF:7842008.6/58

All: 87.503+/-0.008 χ^2/NDF: 14233622.0/112



Right In: -1294.953+/-370.096 χ^2/NDF: 38.8/30

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1360.187+/-389.271 χ^2/NDF: 30.9/33

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

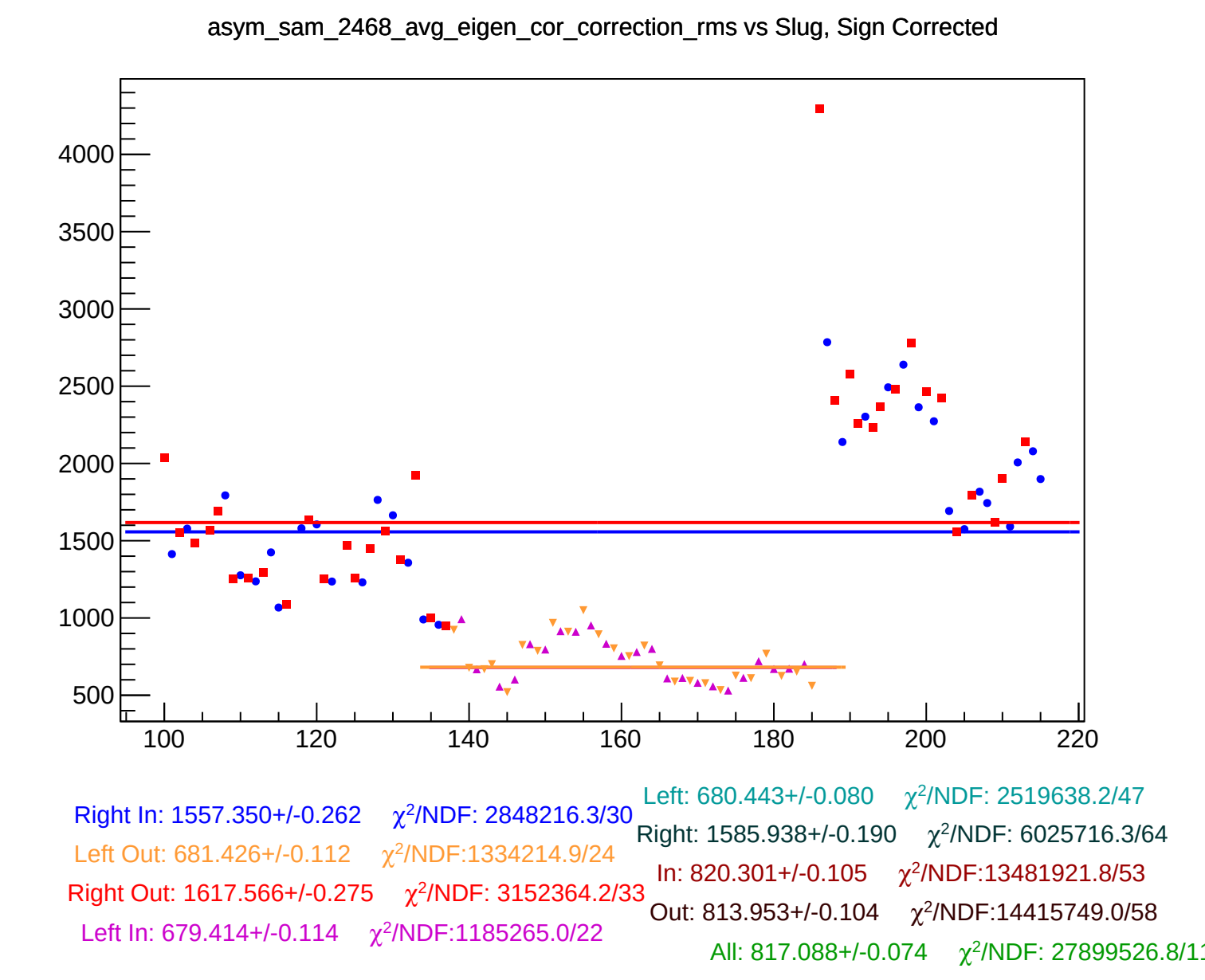
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

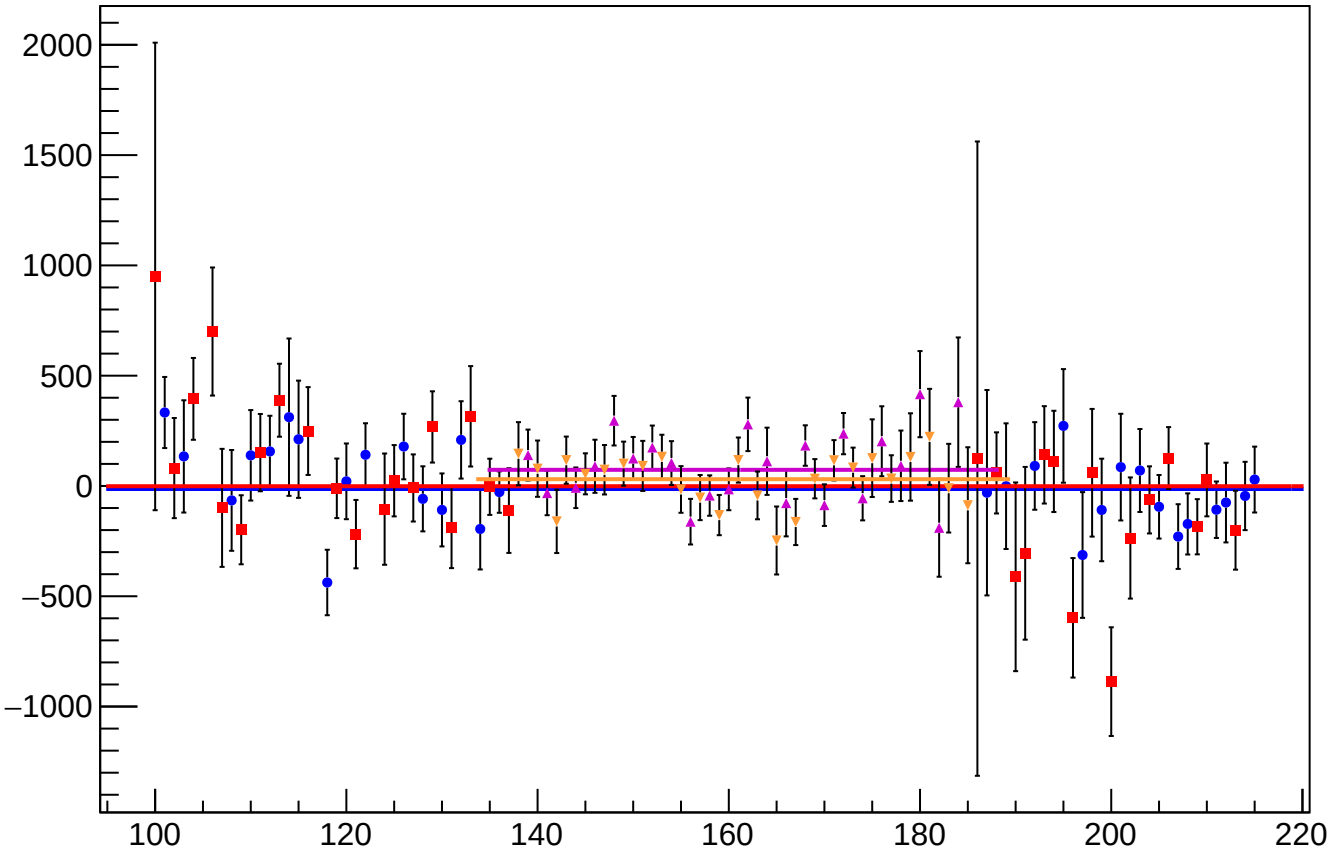
Right: -34.385+/-268.220 χ^2/NDF: 94.1/64

In: -112.271+/-148.258 χ^2/NDF:76.0/53

Out: -450.952+/-146.465 χ^2/NDF:126.1/58

All: -283.673+/-104.195 χ^2/NDF: 204.8/112


asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1557.350+/-0.262 χ²/NDF: 2848216.3/30
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1617.566+/-0.275 χ²/NDF: 3152364.2/33
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.2/47
Right: 1585.938+/-0.190 χ²/NDF: 6025716.3/64
In: 820.301+/-0.105 χ²/NDF:13481921.8/53
Out: 813.953+/-0.104 χ²/NDF:14415749.0/58
All: 817.088+/-0.074 χ²/NDF: 27899526.8/1



Right In: -13.724+/-30.904 χ^2/NDF: 30.0/30

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -1.167+/-32.573 χ^2/NDF: 54.4/33

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

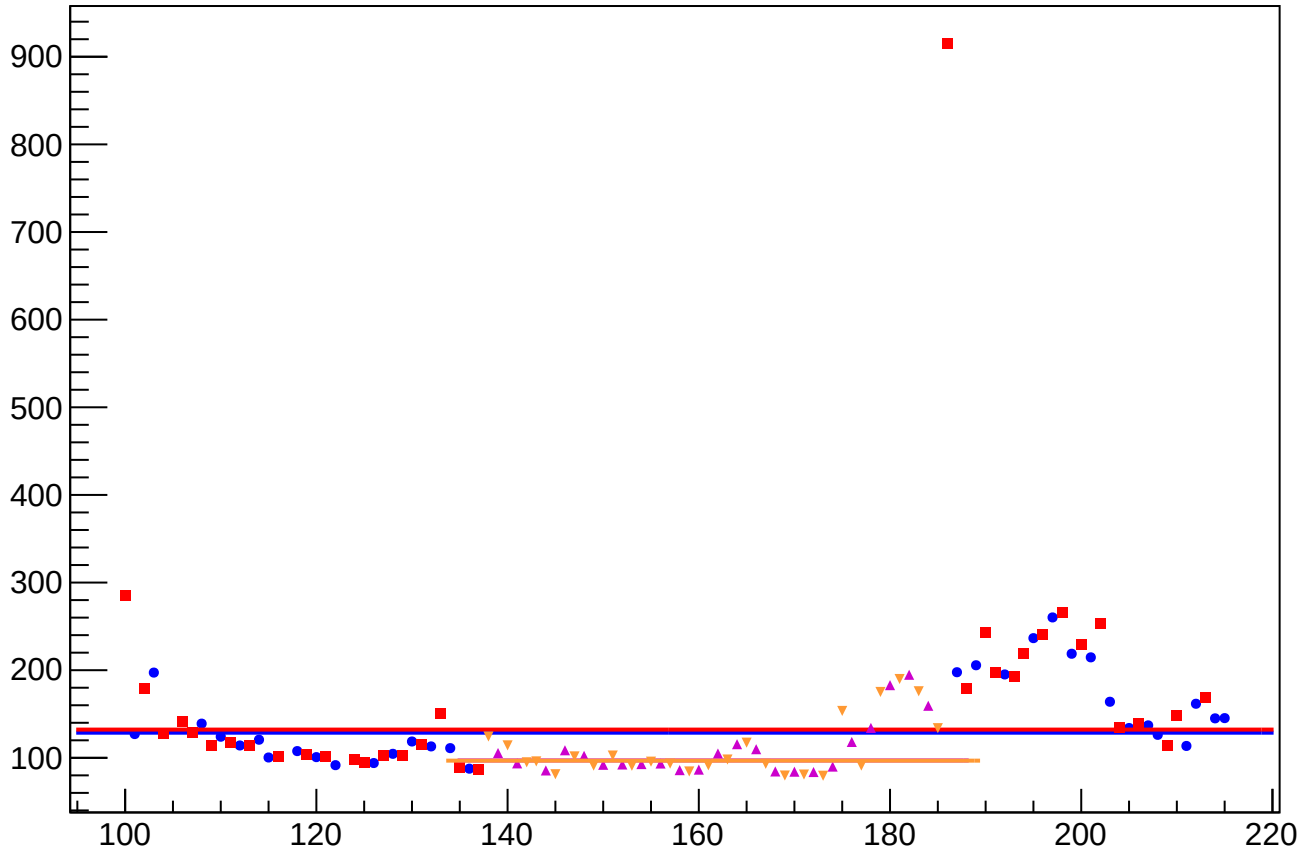
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -7.776+/-22.419 χ^2/NDF: 84.5/64

In: 41.301+/-18.711 χ^2/NDF:69.5/53

Out: 20.176+/-18.709 χ^2/NDF:75.0/58

All: 30.737+/-13.230 χ^2/NDF: 145.2/112



Right In: 128.695+/-0.022 χ^2/NDF: 2969025.1/30

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.232+/-0.023 χ^2/NDF: 4018679.7/33

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

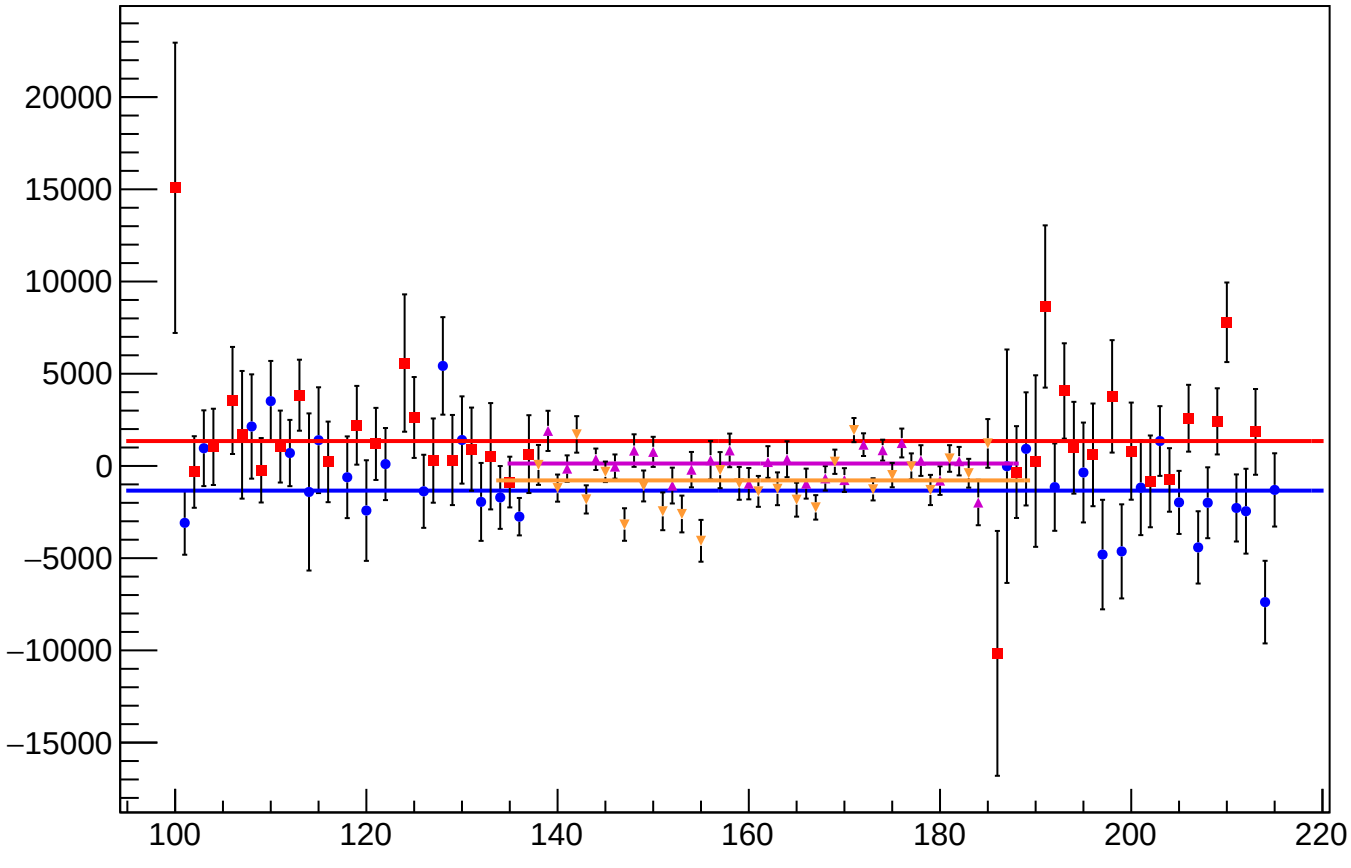
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 130.370+/-0.016 χ^2/NDF: 7000117.2/64

In: 108.630+/-0.013 χ^2/NDF:5621314.9/53

Out: 108.486+/-0.013 χ^2/NDF:7325334.9/58

All: 108.558+/-0.009 χ^2/NDF: 12946708.8/11



Right In: -1337.924+/-376.081 χ^2/NDF: 38.0/30

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1349.572+/-393.282 χ^2/NDF: 32.4/33

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

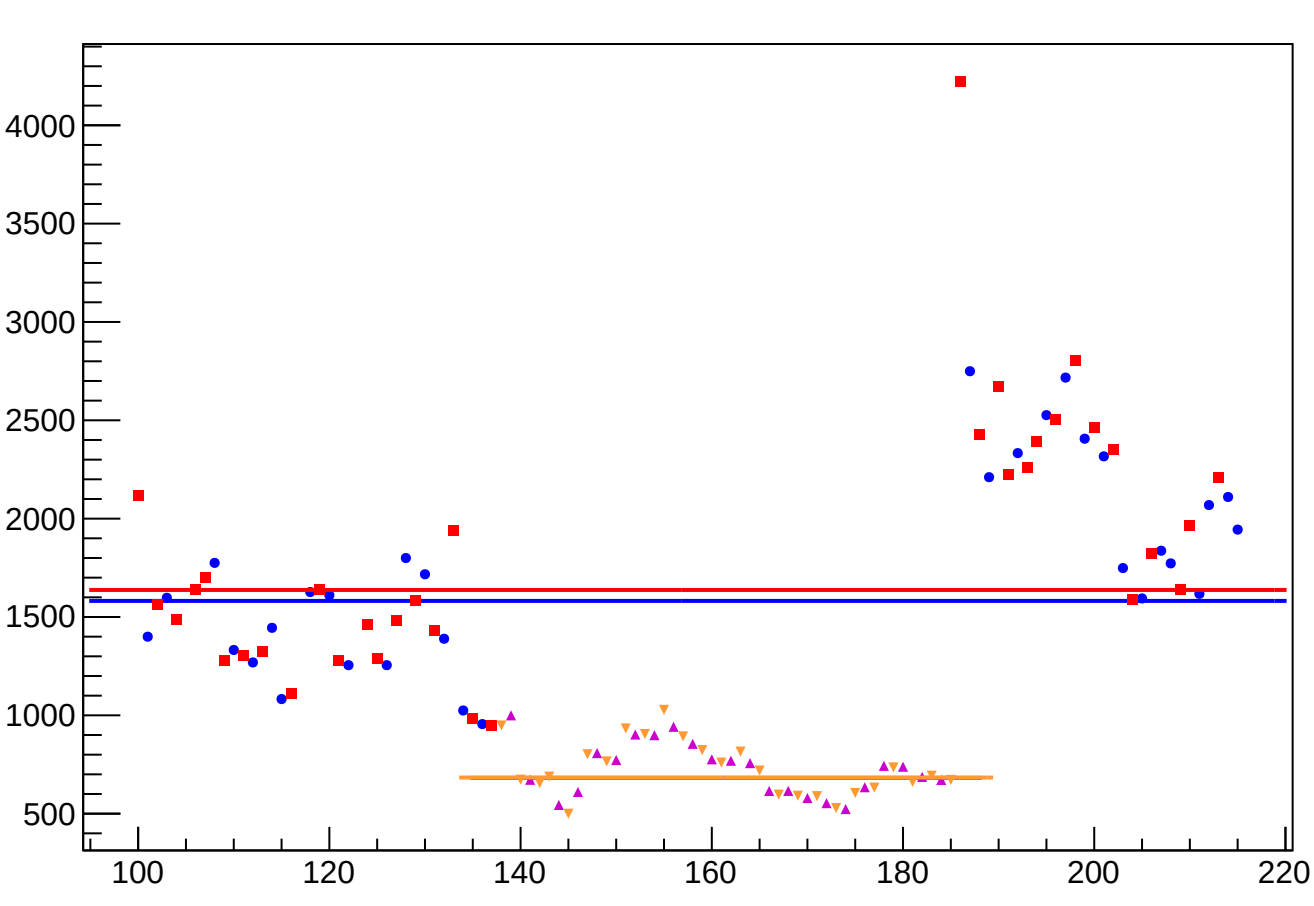
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: -54.230+/-271.807 χ^2/NDF: 94.8/64

In: -99.563+/-149.100 χ^2/NDF:75.1/53

Out: -486.223+/-146.873 χ^2/NDF:124.1/58

All: -295.802+/-104.634 χ^2/NDF: 202.6/112



Right In: 1581.771+/-0.266 χ^2/NDF: 2903583.7/30

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1637.528+/-0.278 χ^2/NDF: 3149479.2/33

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

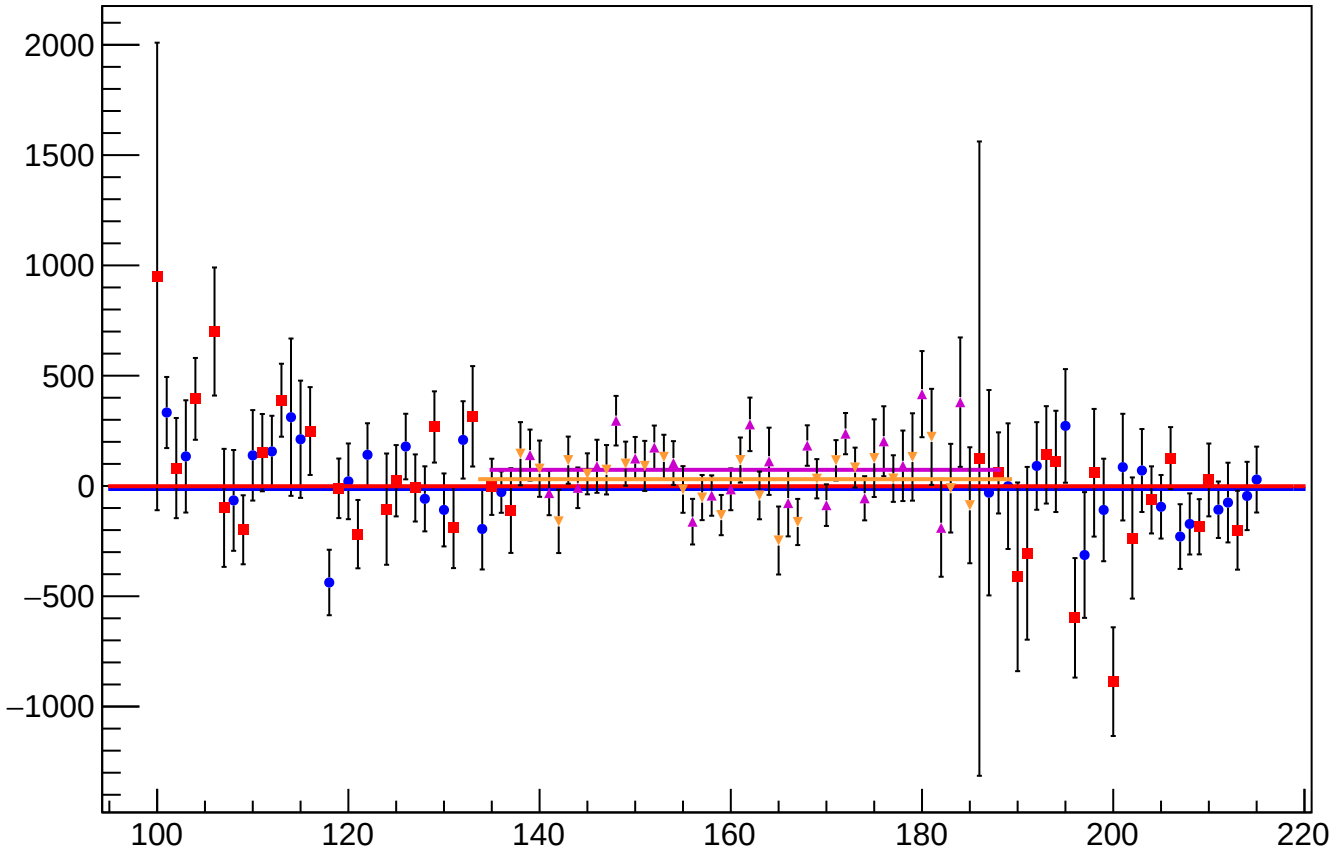
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1608.404+/-0.192 χ^2/NDF: 6074061.1/64

In: 823.393+/-0.105 χ^2/NDF:13739177.4/53

Out: 816.728+/-0.104 χ^2/NDF:14570953.8/58

All: 820.010+/-0.074 χ^2/NDF: 28312159.4/11



Right In: -13.721+/-30.903 χ^2/NDF: 30.0/30

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -1.169+/-32.573 χ^2/NDF: 54.4/33

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

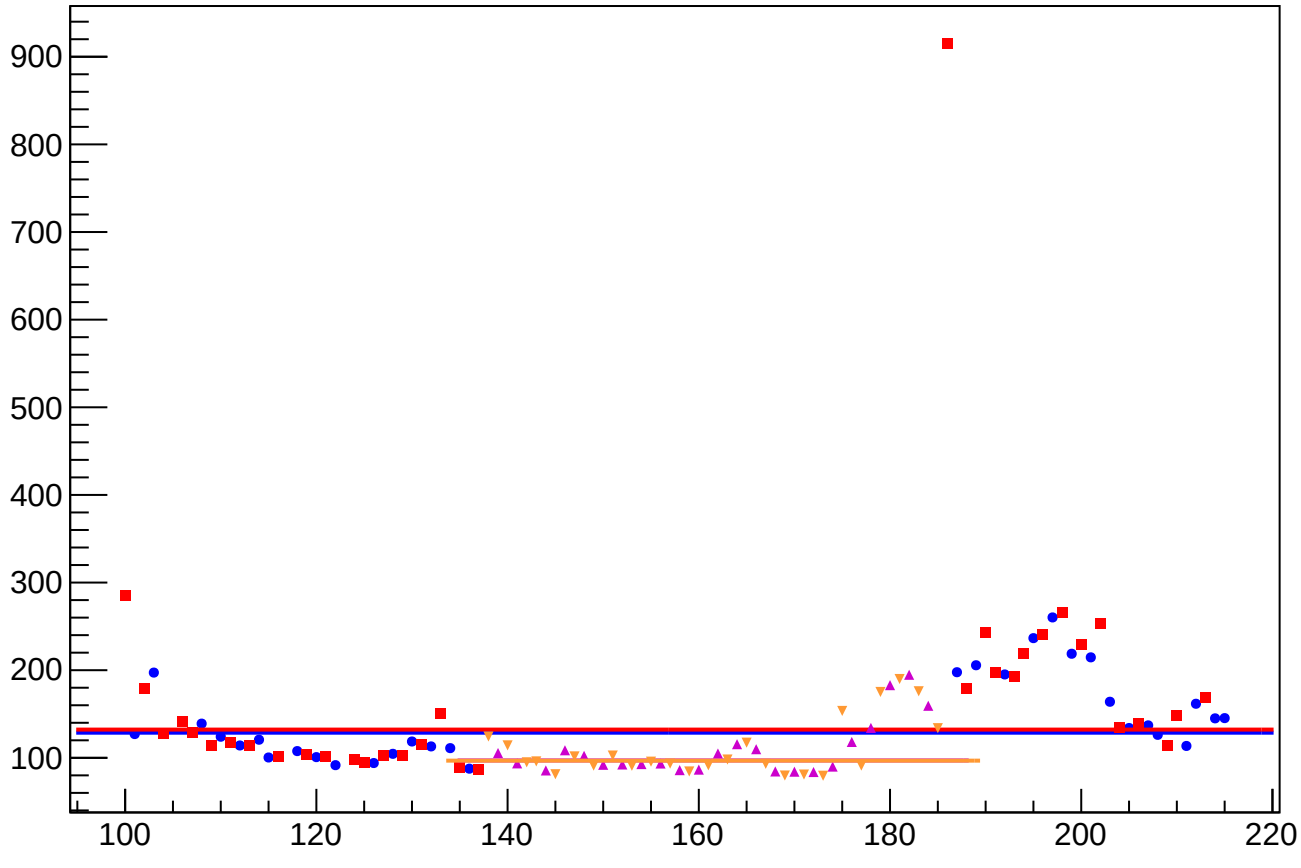
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -7.775+/-22.419 χ^2/NDF: 84.5/64

In: 41.301+/-18.711 χ^2/NDF:69.5/53

Out: 20.175+/-18.709 χ^2/NDF:75.0/58

All: 30.737+/-13.230 χ^2/NDF: 145.2/112



Right In: 128.694+/-0.022 χ^2/NDF: 2969043.3/30

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.231+/-0.023 χ^2/NDF: 4018710.3/33

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

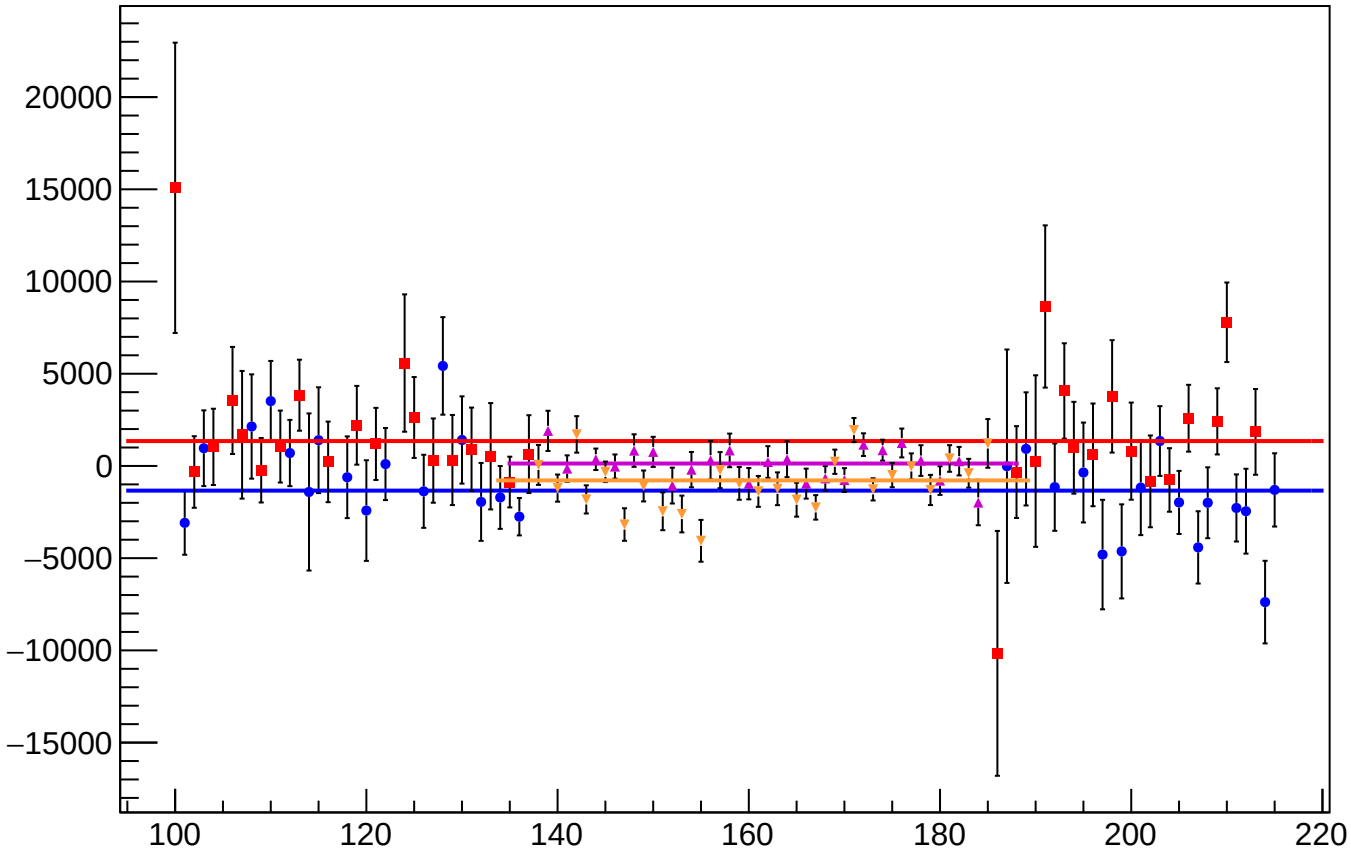
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 130.370+/-0.016 χ^2/NDF: 7000166.8/64

In: 108.630+/-0.013 χ^2/NDF:5621243.2/53

Out: 108.486+/-0.013 χ^2/NDF:7325296.1/58

All: 108.558+/-0.009 χ^2/NDF: 12946598.3/1



Right In: -1337.918+/-376.081 χ^2/NDF: 38.0/30

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1349.570+/-393.281 χ^2/NDF: 32.4/33

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

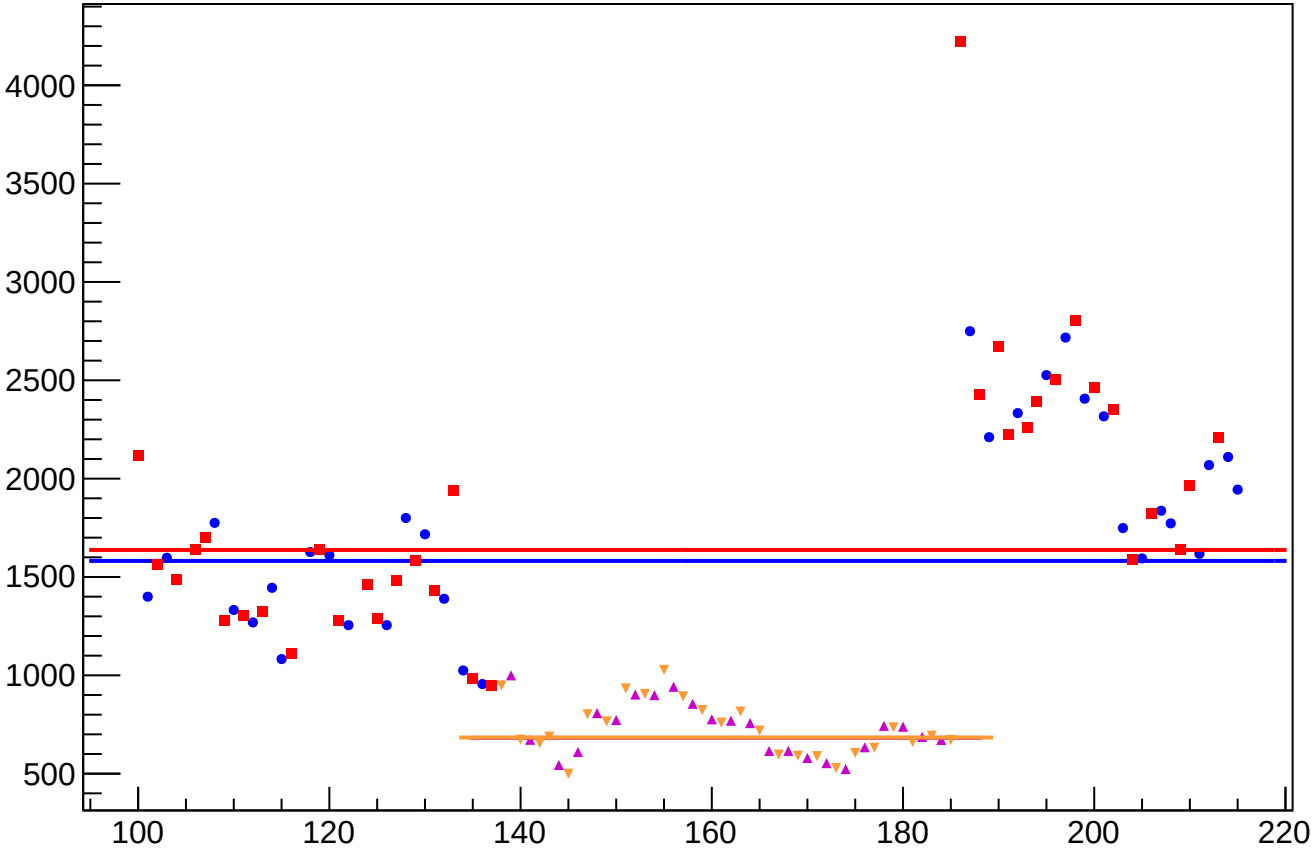
Right: -54.228+/-271.807 χ^2/NDF: 94.8/64

In: -99.563+/-149.100 χ^2/NDF:75.1/53

Out: -486.222+/-146.873 χ^2/NDF:124.1/58

All: -295.802+/-104.633 χ^2/NDF: 202.6/112

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1581.768+/-0.266 χ^2/NDF: 2903593.0/30

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1637.525+/-0.278 χ^2/NDF: 3149491.0/33

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

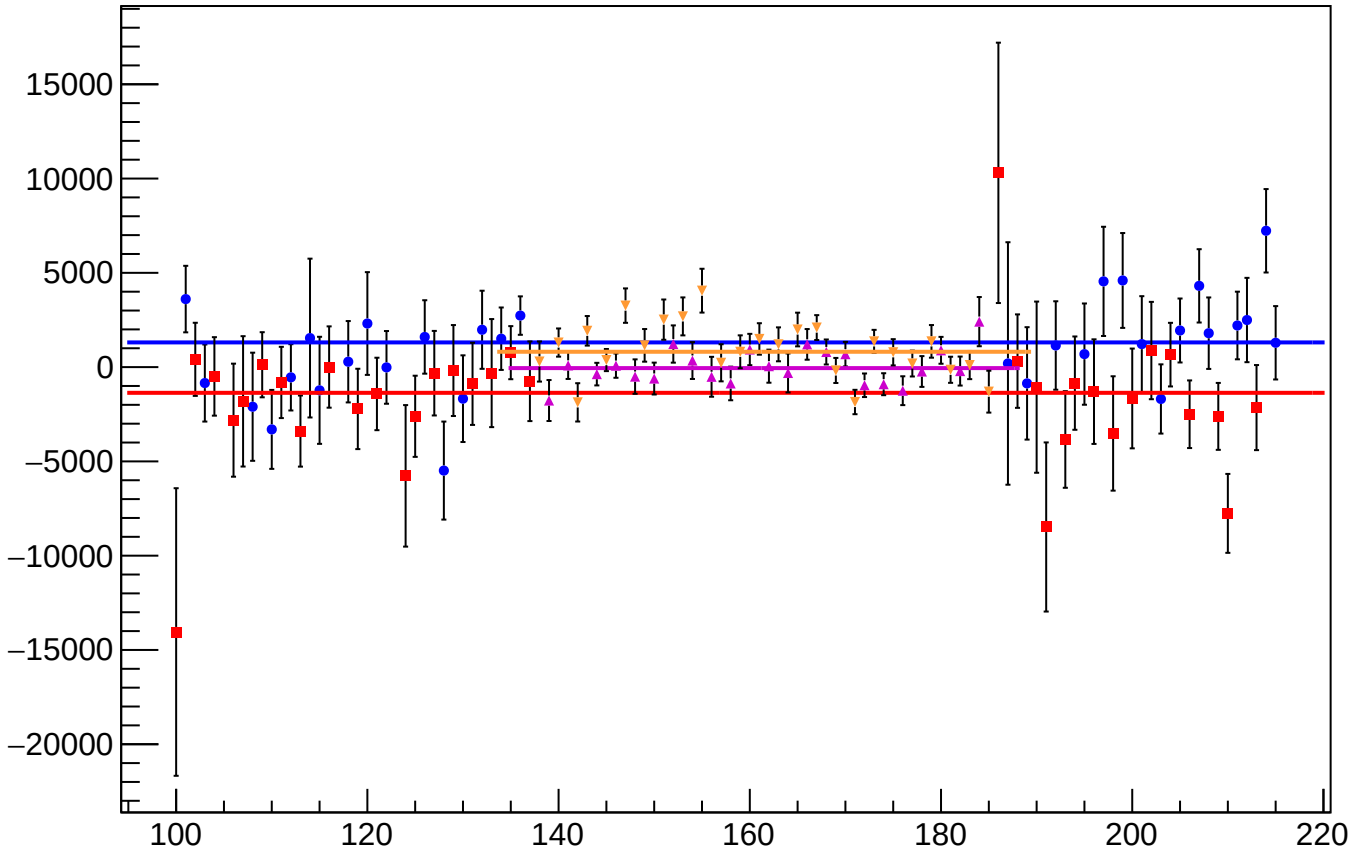
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1608.401+/-0.192 χ^2/NDF: 6074082.2/64

In: 823.391+/-0.105 χ^2/NDF:13739195.4/53

Out: 816.726+/-0.104 χ^2/NDF:14570976.9/58

All: 820.008+/-0.074 χ^2/NDF: 28312200.5/1



Right In: 1309.858+/-371.364 χ^2/NDF: 39.0/30

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1363.316+/-390.276 χ^2/NDF: 31.2/33

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

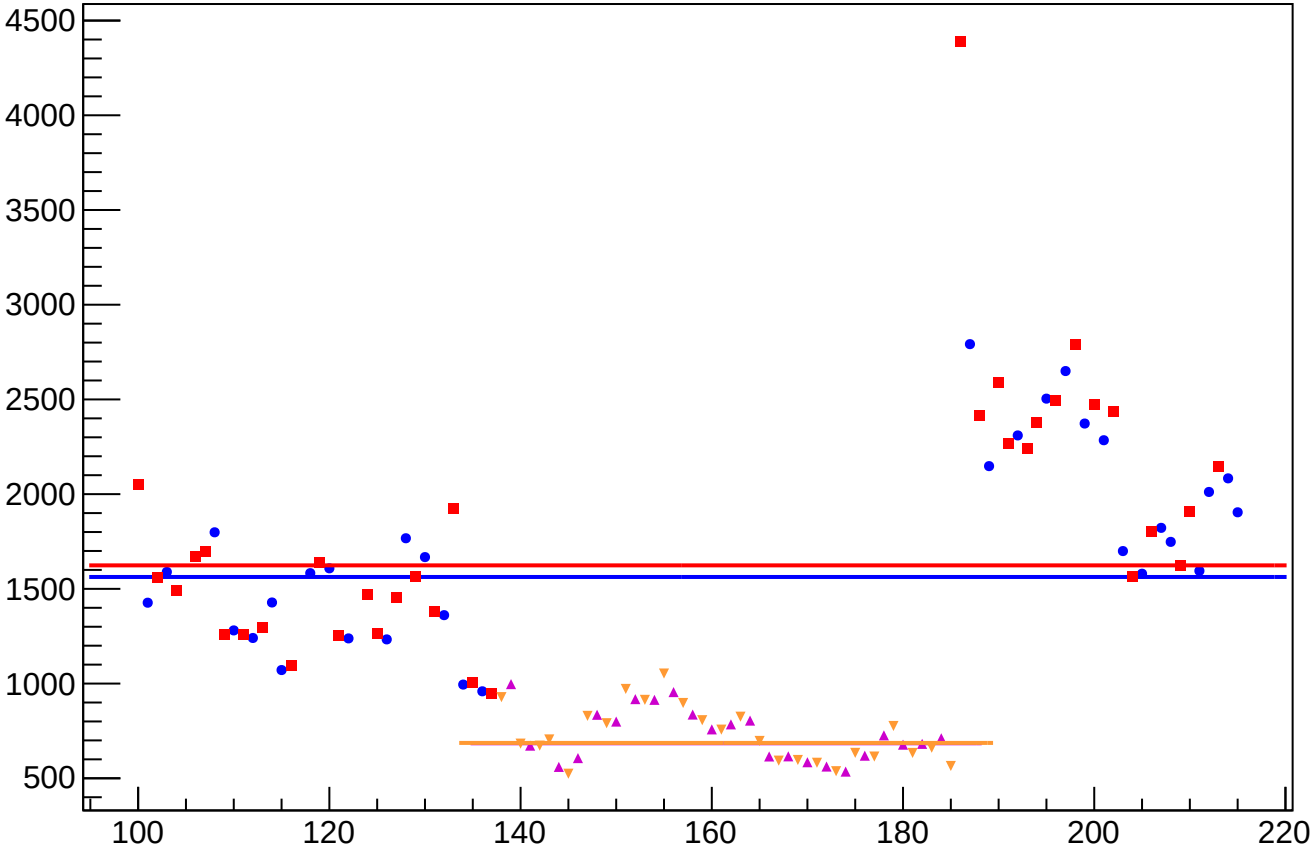
Right: 39.607+/-269.032 χ^2/NDF: 94.8/64

In: 167.823+/-149.283 χ^2/NDF:75.6/53

Out: 503.259+/-147.452 χ^2/NDF:123.6/58

All: 337.611+/-104.906 χ^2/NDF: 201.8/112

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1562.735+/-0.263 χ^2/NDF: 2847145.3/30

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1623.992+/-0.276 χ^2/NDF: 3163825.9/33

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

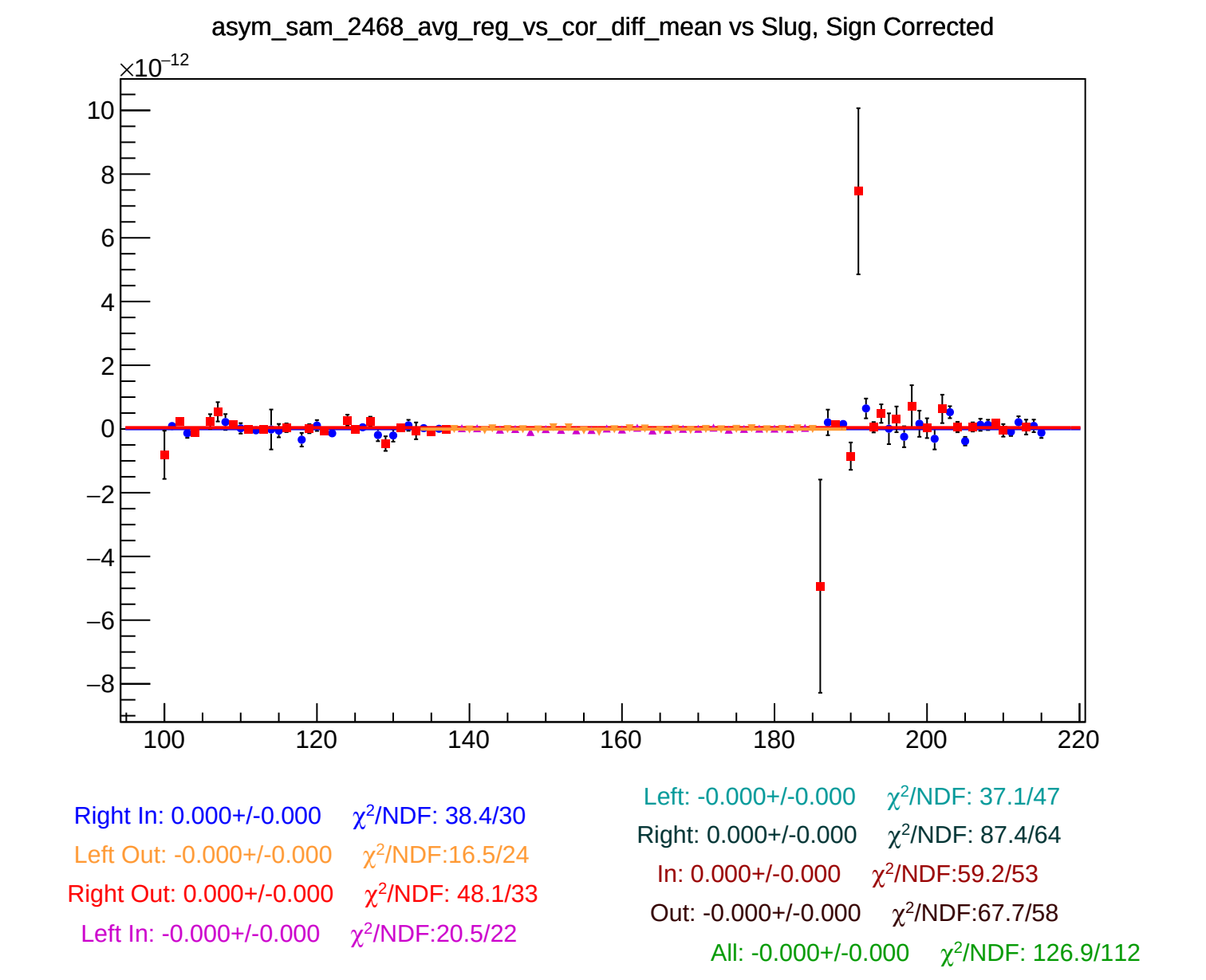
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1591.843+/-0.190 χ^2/NDF: 6036830.3/64

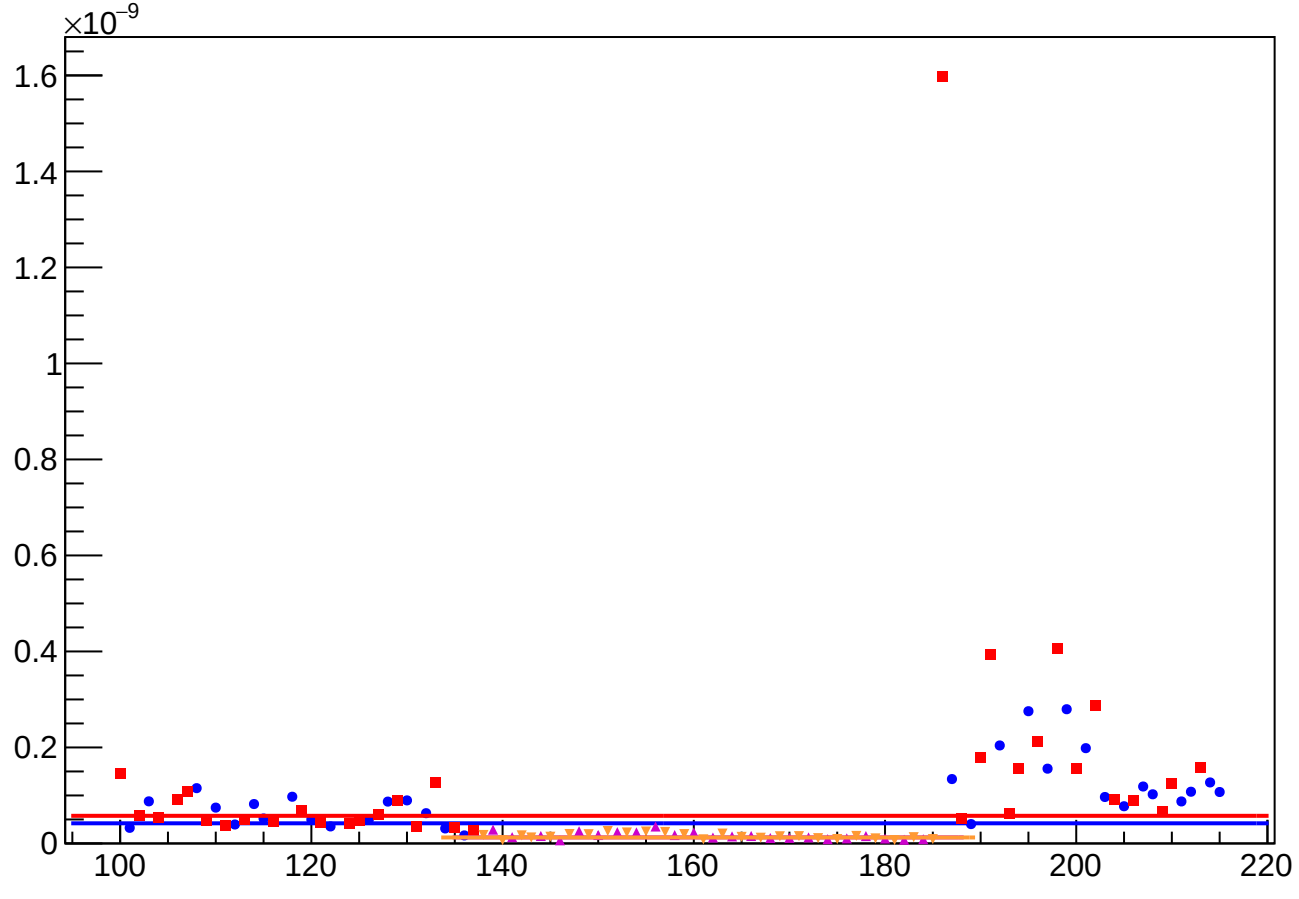
In: 826.637+/-0.106 χ^2/NDF:13384645.8/53

Out: 820.493+/-0.104 χ^2/NDF:14364925.4/58

All: 823.527+/-0.074 χ^2/NDF: 27751286.1/11


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: 38.4/30
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 48.1/33
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 87.4/64
In: 0.000+/-0.000 χ²/NDF:59.2/53
Out: -0.000+/-0.000 χ²/NDF:67.7/58
All: -0.000+/-0.000 χ²/NDF: 126.9/112

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6985336.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4205483.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

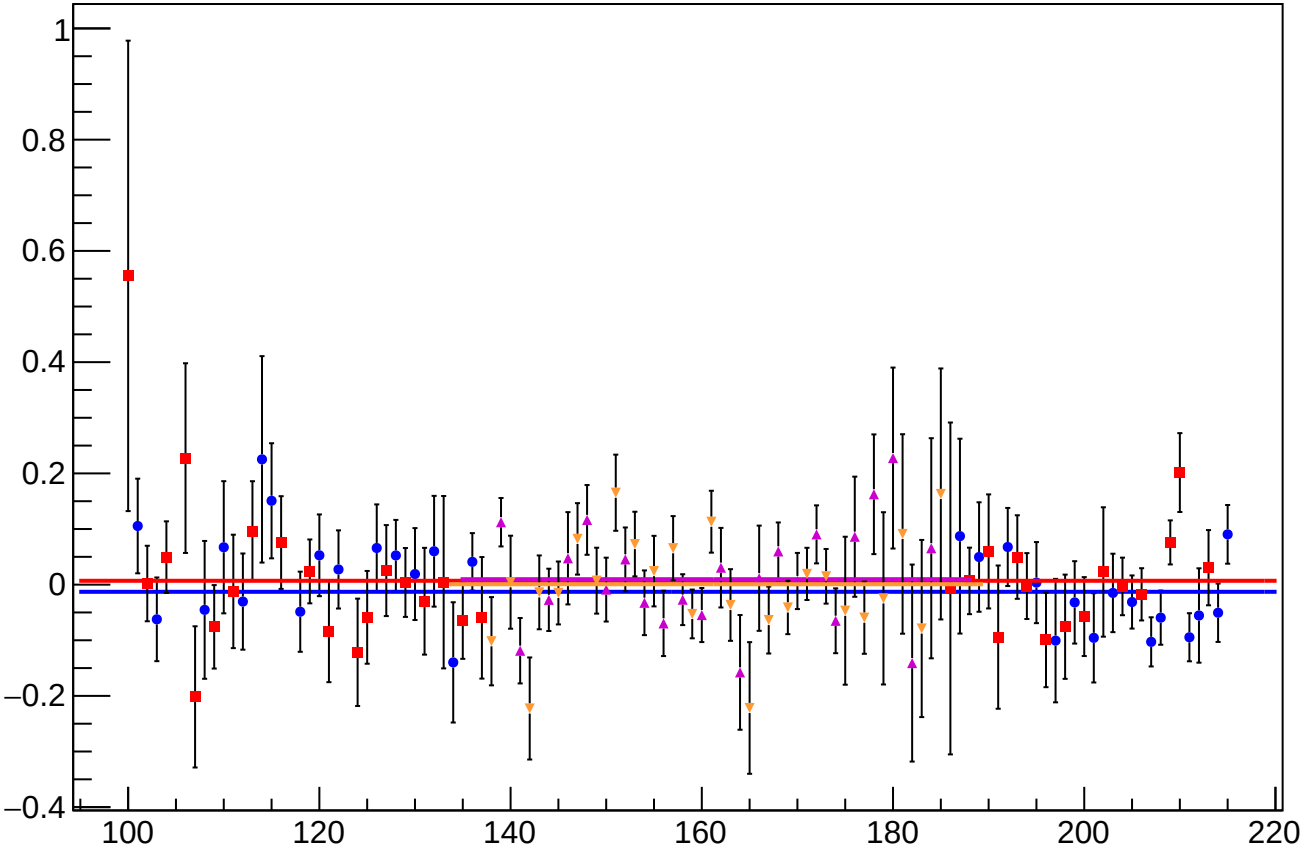
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11674126.6/64

In: 0.000+/-0.000 χ^2/NDF:13041947.1/53

Out: 0.000+/-0.000 χ^2/NDF:12285046.4/58

All: 0.000+/-0.000 χ^2/NDF: 25329963.9/112



Right In: -0.013+/-0.013 χ^2/NDF: 30.9/30

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.007+/-0.013 χ^2/NDF: 30.0/33

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

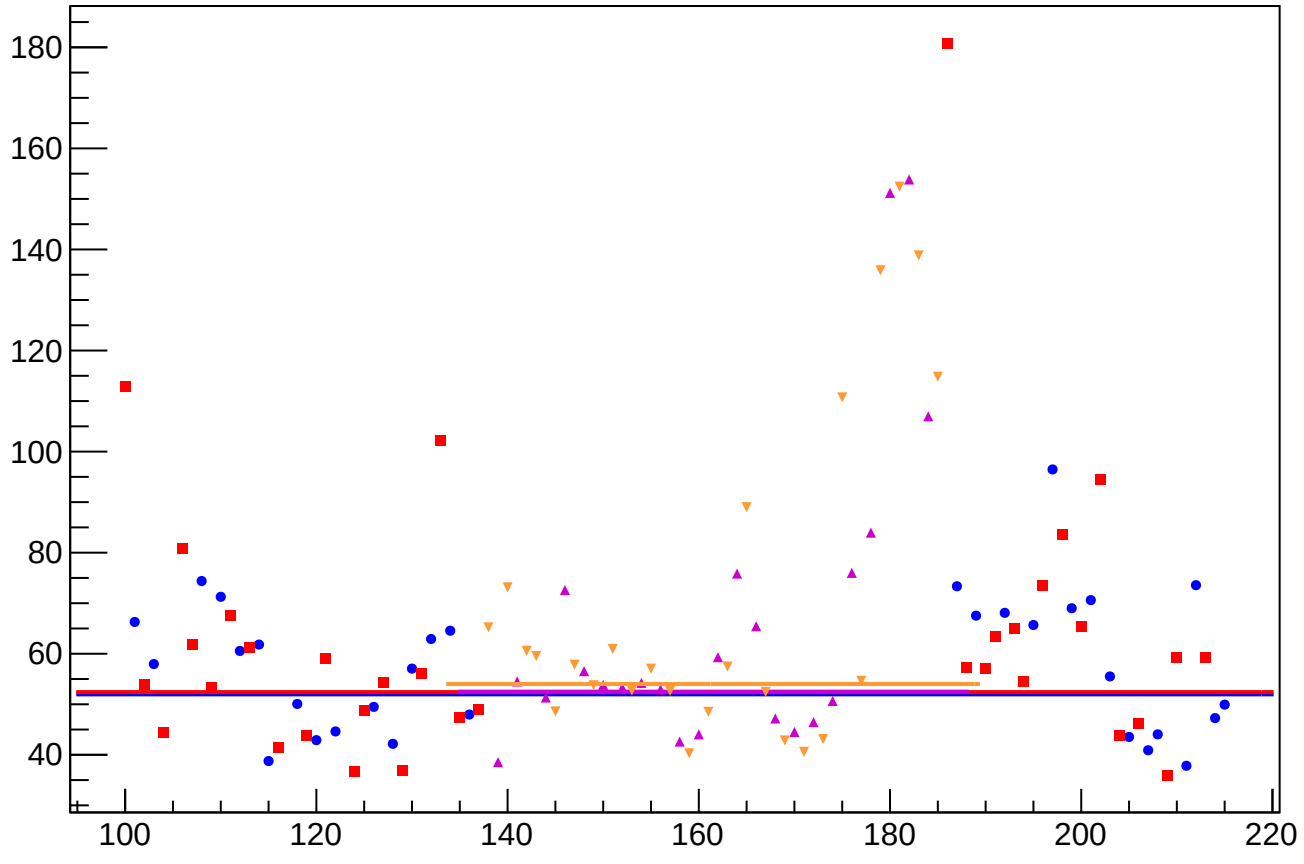
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: -0.003+/-0.009 χ^2/NDF: 62.1/64

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: 0.001+/-0.006 χ^2/NDF: 126.3/112



Right In: 51.961+/-0.009 χ^2/NDF: 1818703.9/30

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 52.412+/-0.009 χ^2/NDF: 2309069.7/33

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

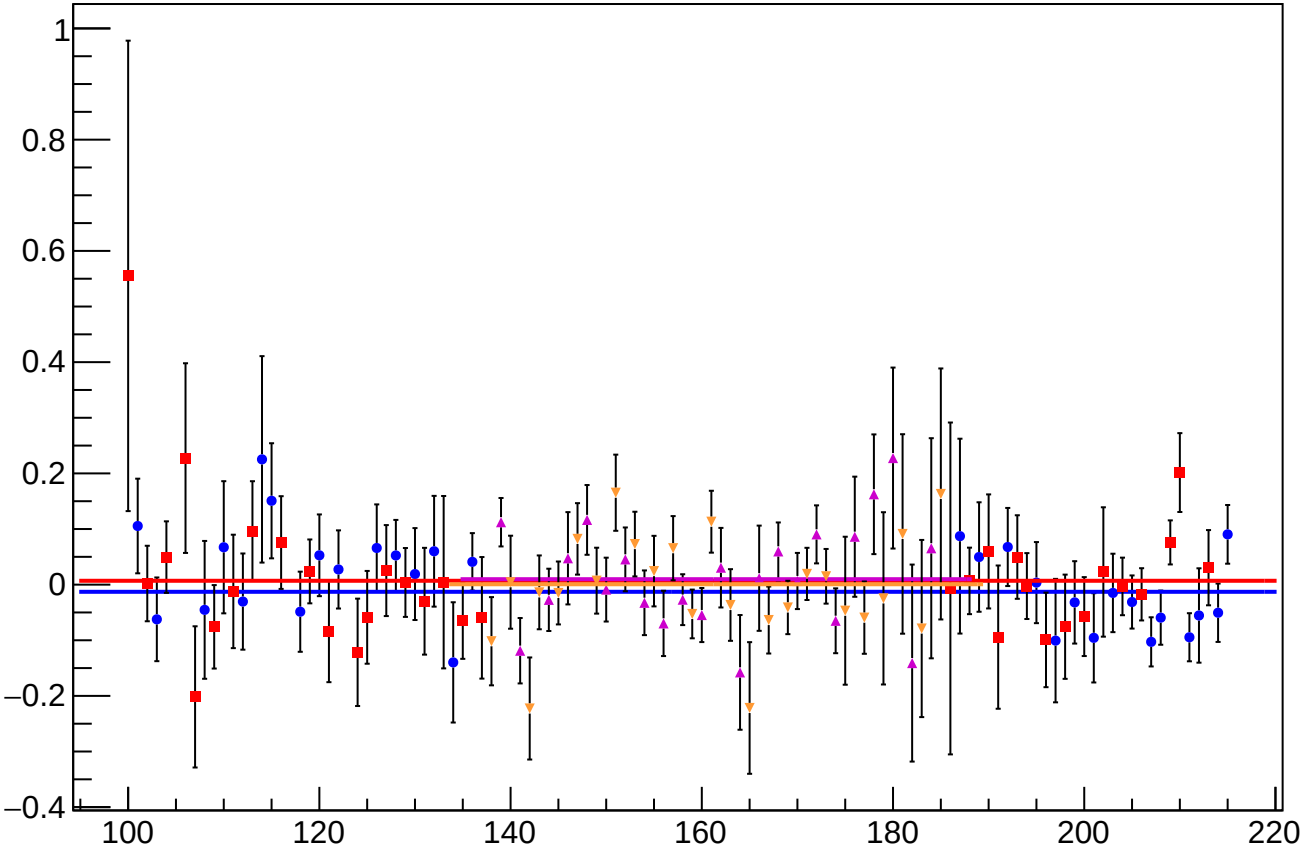
Right: 52.180+/-0.006 χ^2/NDF: 4129020.5/64

In: 52.218+/-0.006 χ^2/NDF:4378226.3/53

Out: 53.196+/-0.007 χ^2/NDF:5551577.5/58

All: 52.699+/-0.005 χ^2/NDF: 9941137.6/112

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.013 χ^2/NDF: 30.9/30

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.007+/-0.013 χ^2/NDF: 30.0/33

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

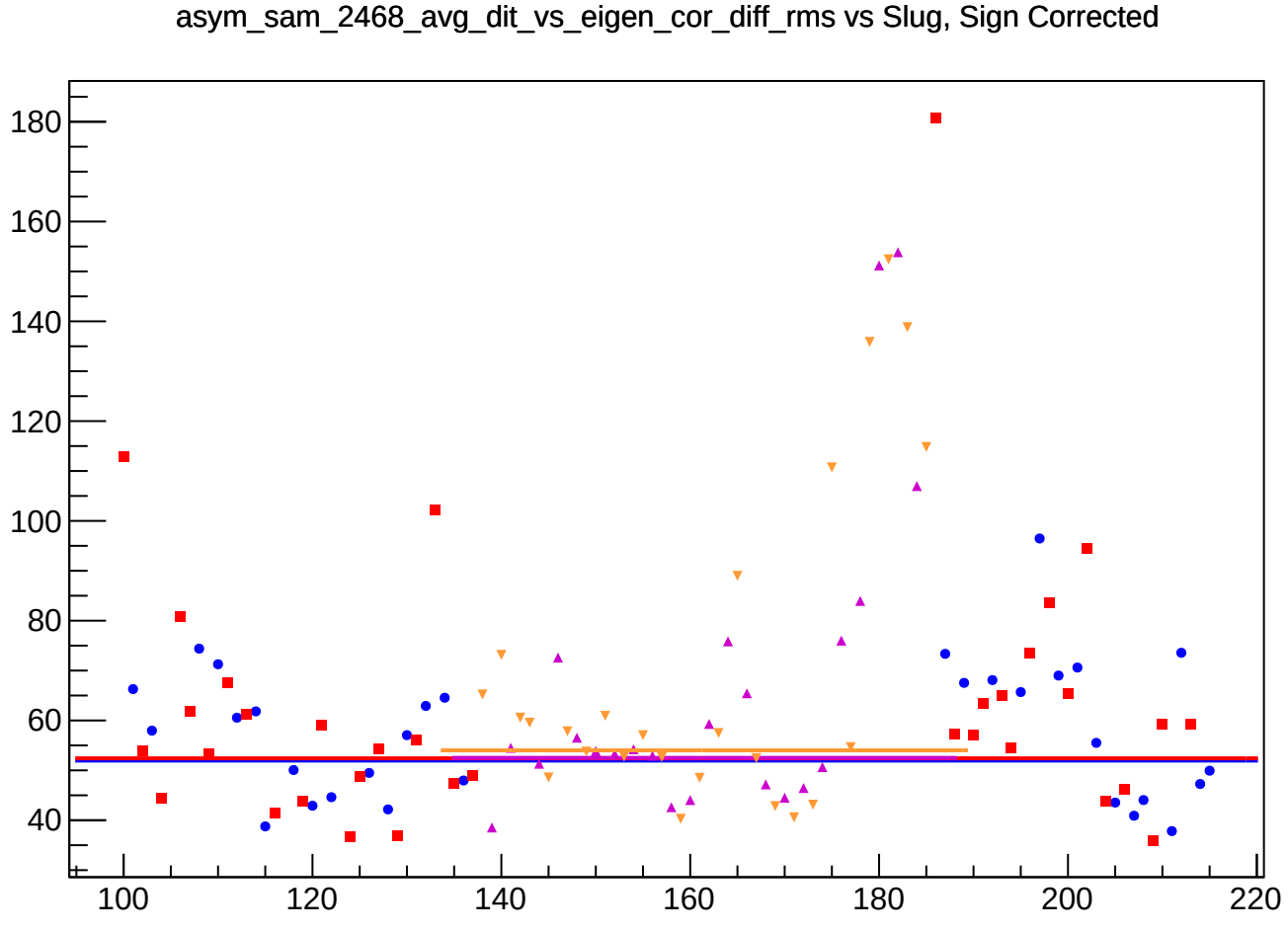
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: -0.003+/-0.009 χ^2/NDF: 62.1/64

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: 0.001+/-0.006 χ^2/NDF: 126.3/112



Right In: 51.961+/-0.009 χ^2/NDF: 1818703.9/30

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 52.412+/-0.009 χ^2/NDF: 2309069.7/33

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

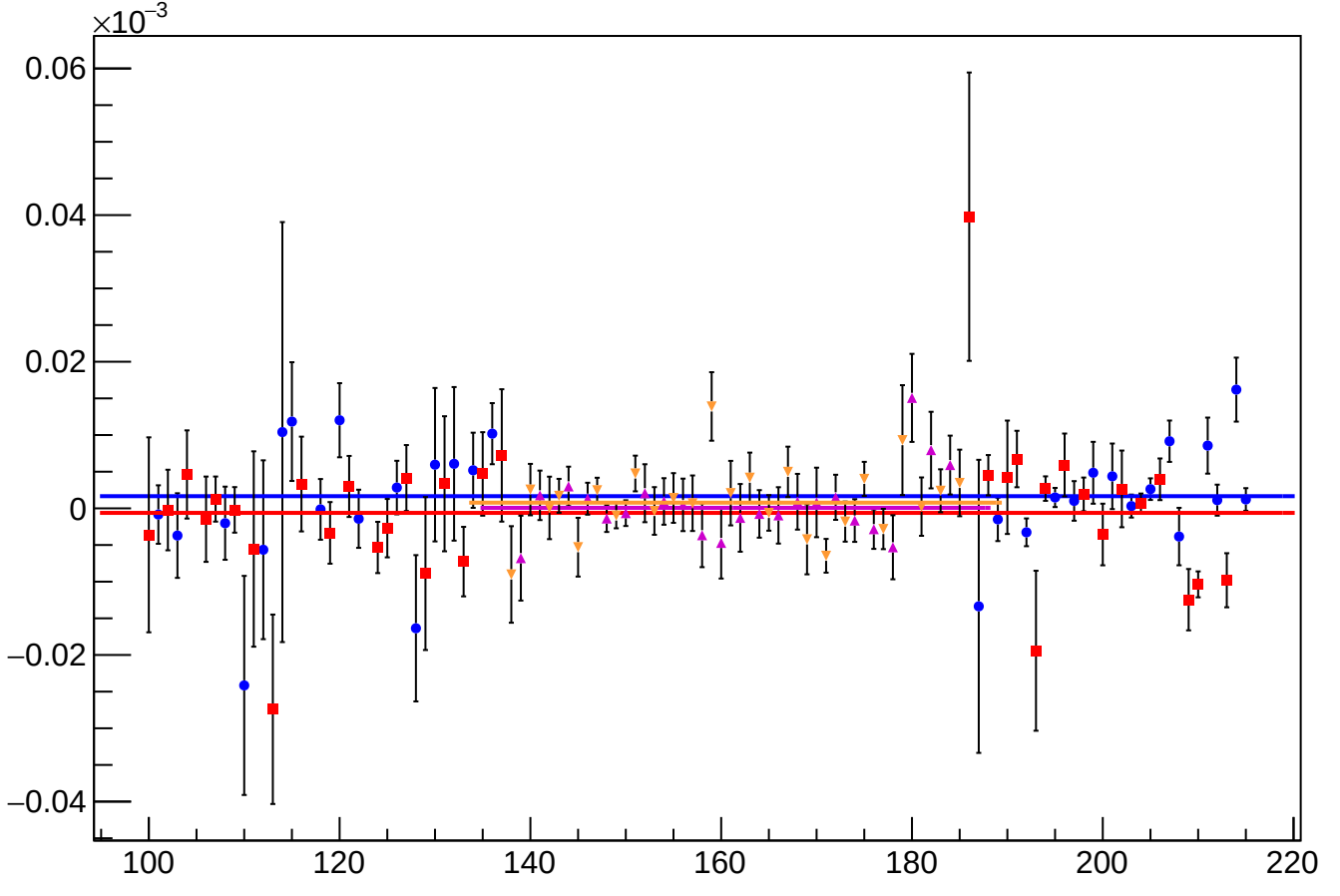
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 52.180+/-0.006 χ^2/NDF: 4129020.5/64

In: 52.218+/-0.006 χ^2/NDF:4378226.3/53

Out: 53.196+/-0.007 χ^2/NDF:5551577.5/58

All: 52.699+/-0.005 χ^2/NDF: 9941137.6/112



Right In: 0.000+/-0.000 χ^2/NDF: 54.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 86.1/33

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

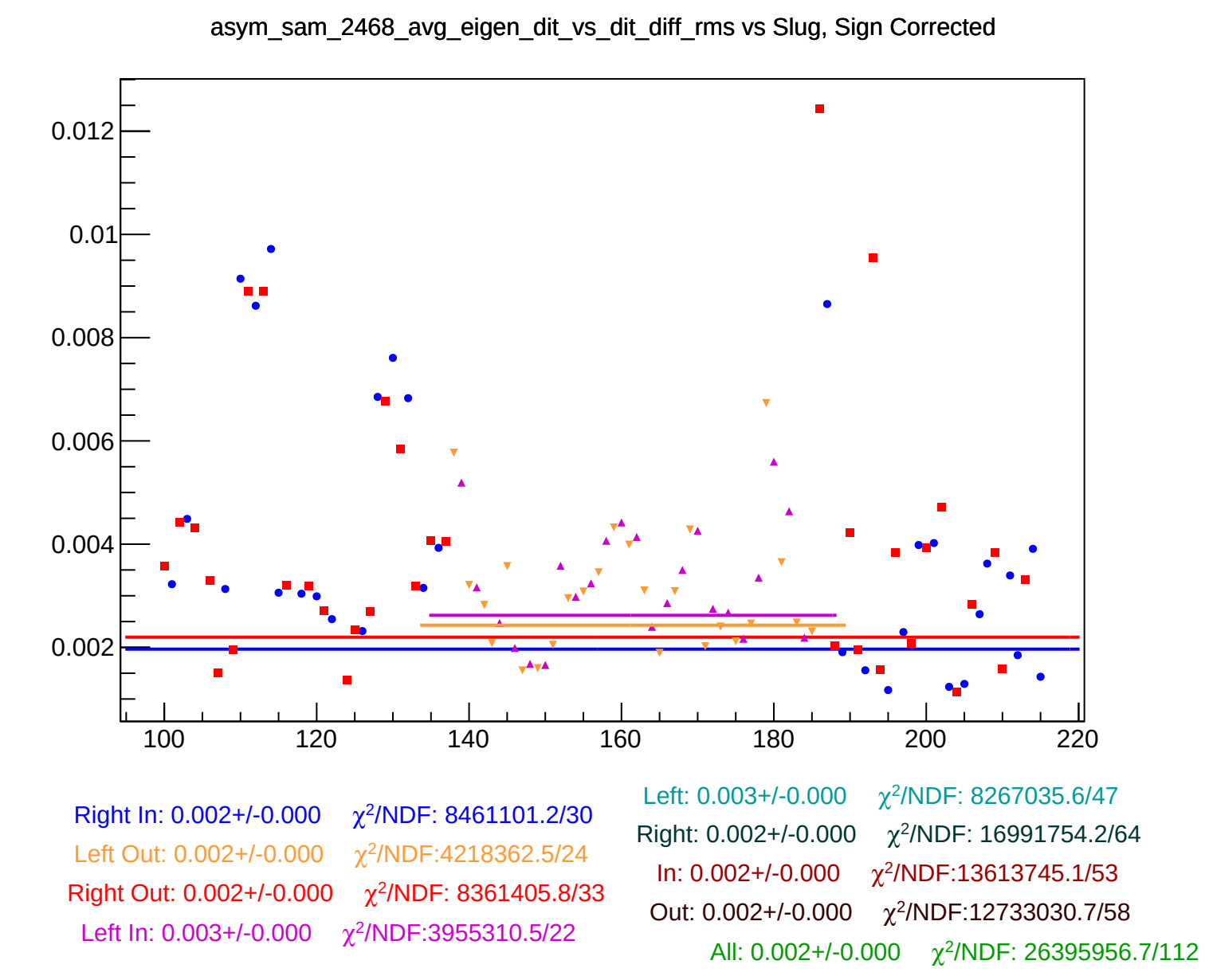
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 148.7/64

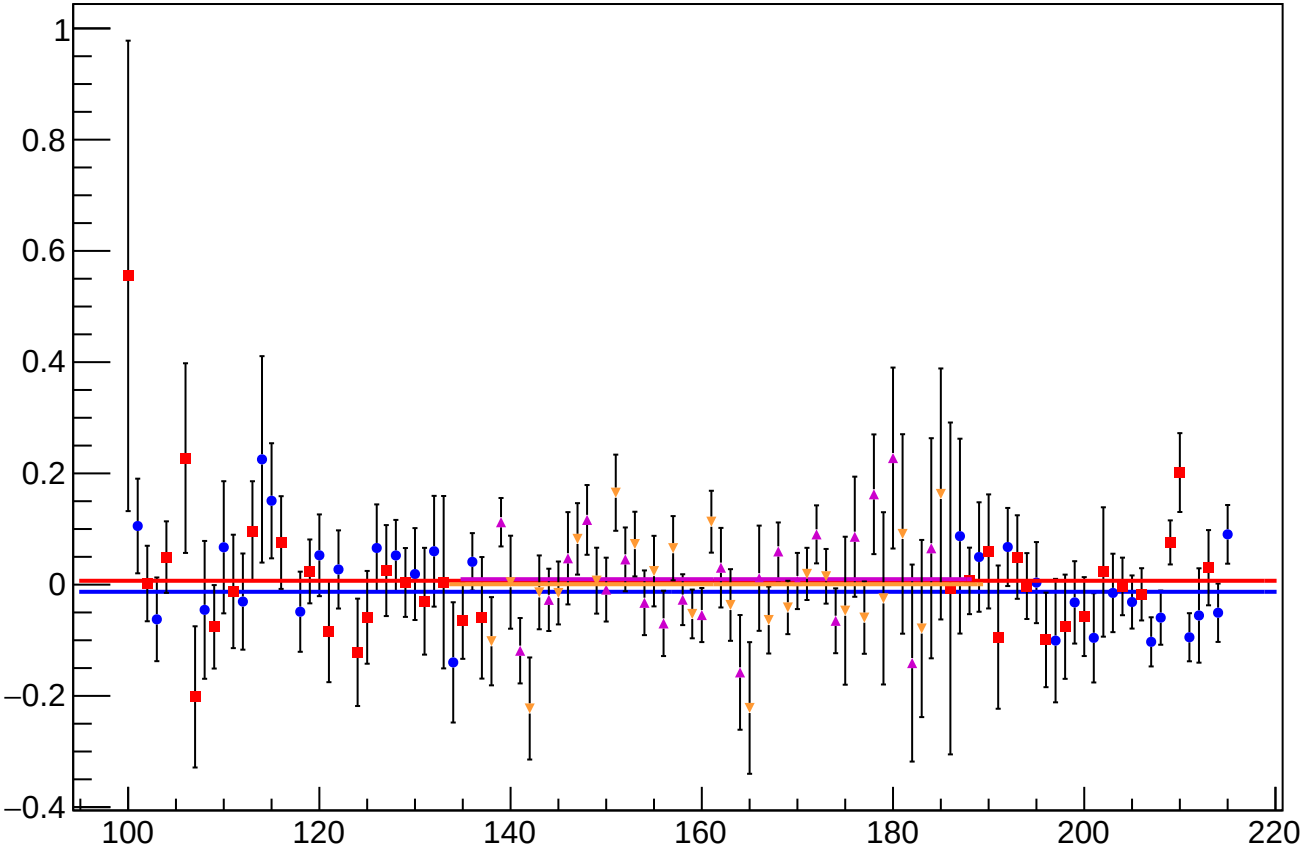
In: 0.000+/-0.000 χ^2/NDF:78.1/53

Out: 0.000+/-0.000 χ^2/NDF:127.0/58

All: 0.000+/-0.000 χ^2/NDF: 207.7/112


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 8461101.2/30
Left Out: 0.002+/-0.000 χ²/NDF:4218362.5/24
Right Out: 0.002+/-0.000 χ²/NDF: 8361405.8/33
Left In: 0.003+/-0.000 χ²/NDF:3955310.5/22
Left: 0.003+/-0.000 χ²/NDF: 8267035.6/47
Right: 0.002+/-0.000 χ²/NDF: 16991754.2/64
In: 0.002+/-0.000 χ²/NDF:13613745.1/53
Out: 0.002+/-0.000 χ²/NDF:12733030.7/58
All: 0.002+/-0.000 χ²/NDF: 26395956.7/112

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.013 χ^2/NDF: 30.9/30

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.007+/-0.013 χ^2/NDF: 30.0/33

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

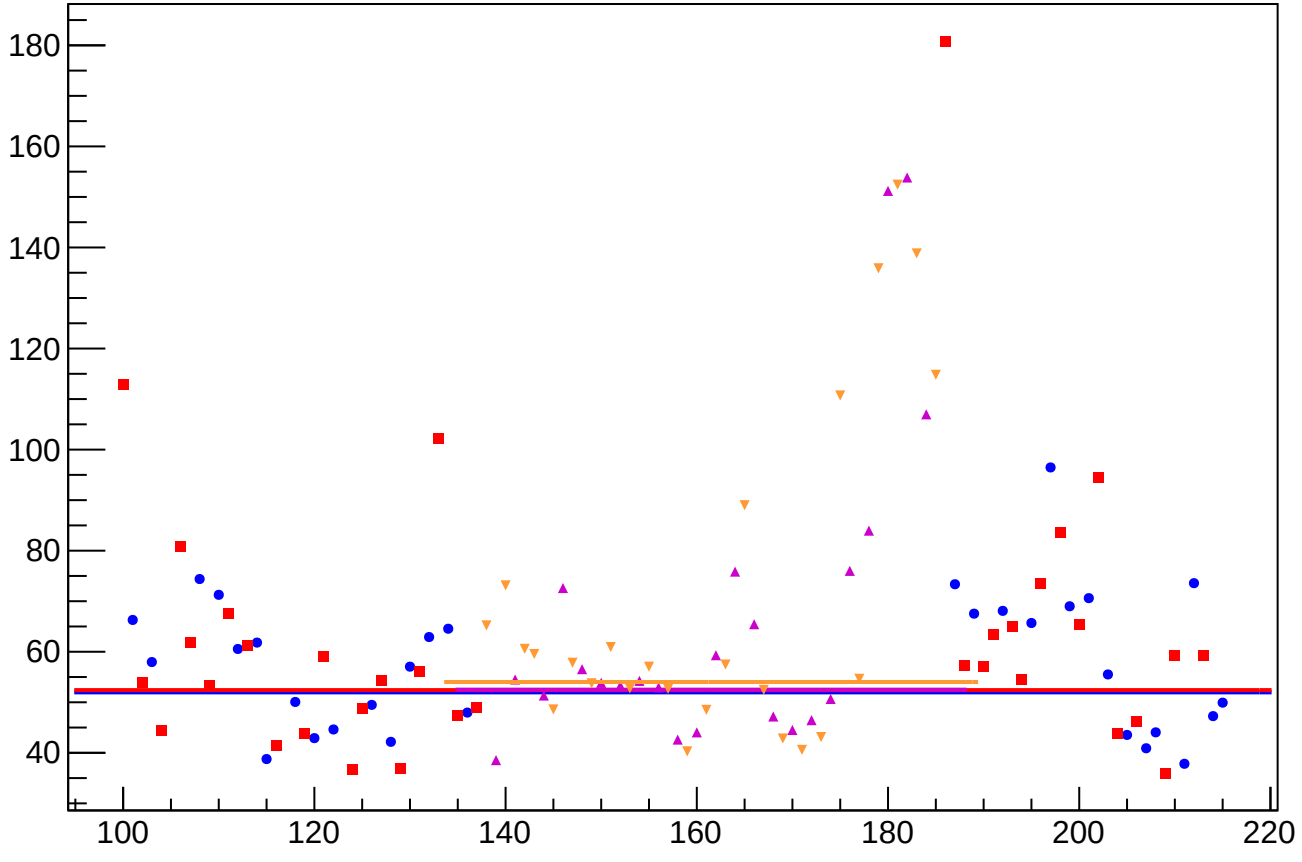
Right: -0.003+/-0.009 χ^2/NDF: 62.1/64

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: 0.001+/-0.006 χ^2/NDF: 126.3/112

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.960+/-0.009 χ^2/NDF: 1818625.2/30

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 52.412+/-0.009 χ^2/NDF: 2308996.7/33

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

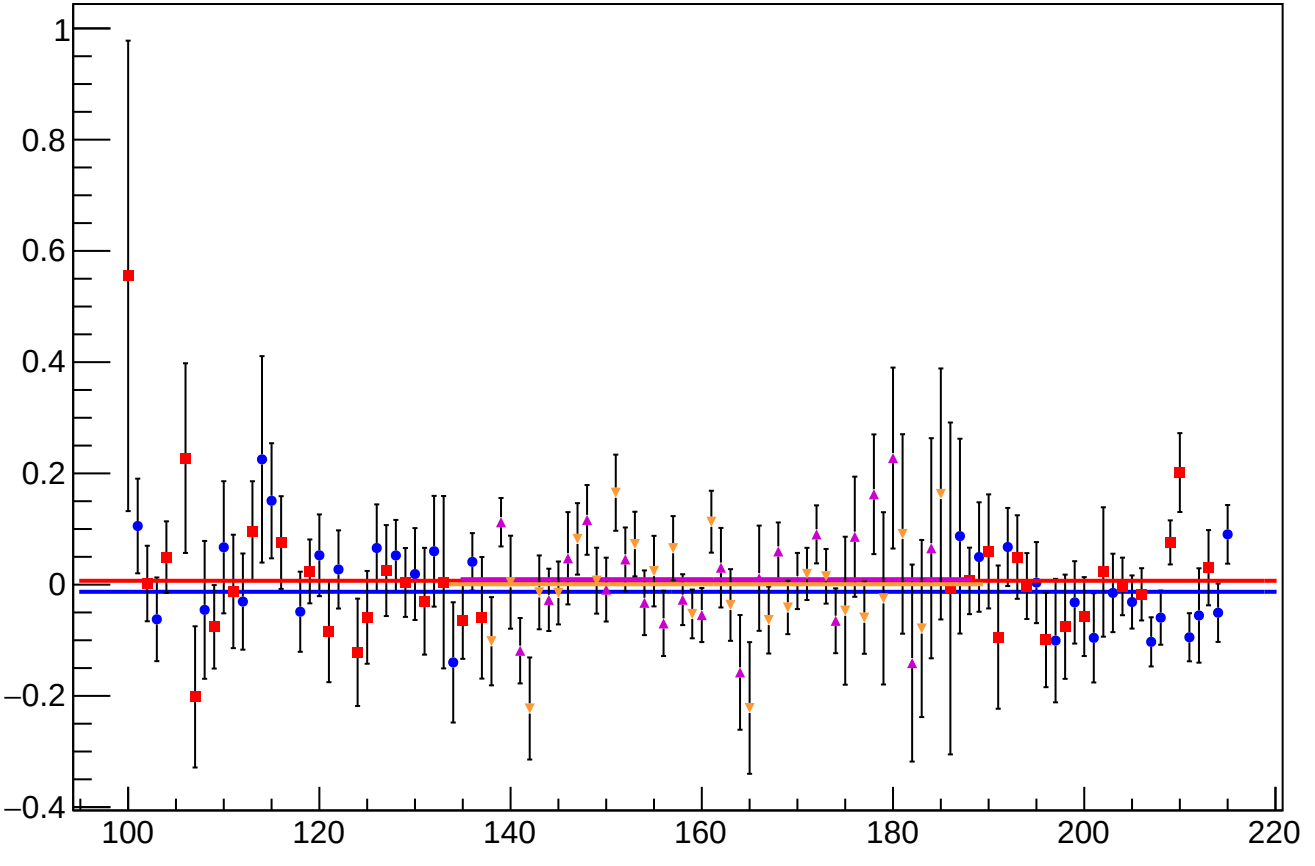
Right: 52.179+/-0.006 χ^2/NDF: 4128870.4/64

In: 52.218+/-0.006 χ^2/NDF:4378195.3/53

Out: 53.196+/-0.007 χ^2/NDF:5551535.3/58

All: 52.699+/-0.005 χ^2/NDF: 9941068.7/112

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.013 χ^2/NDF: 30.9/30

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.007+/-0.013 χ^2/NDF: 30.0/33

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

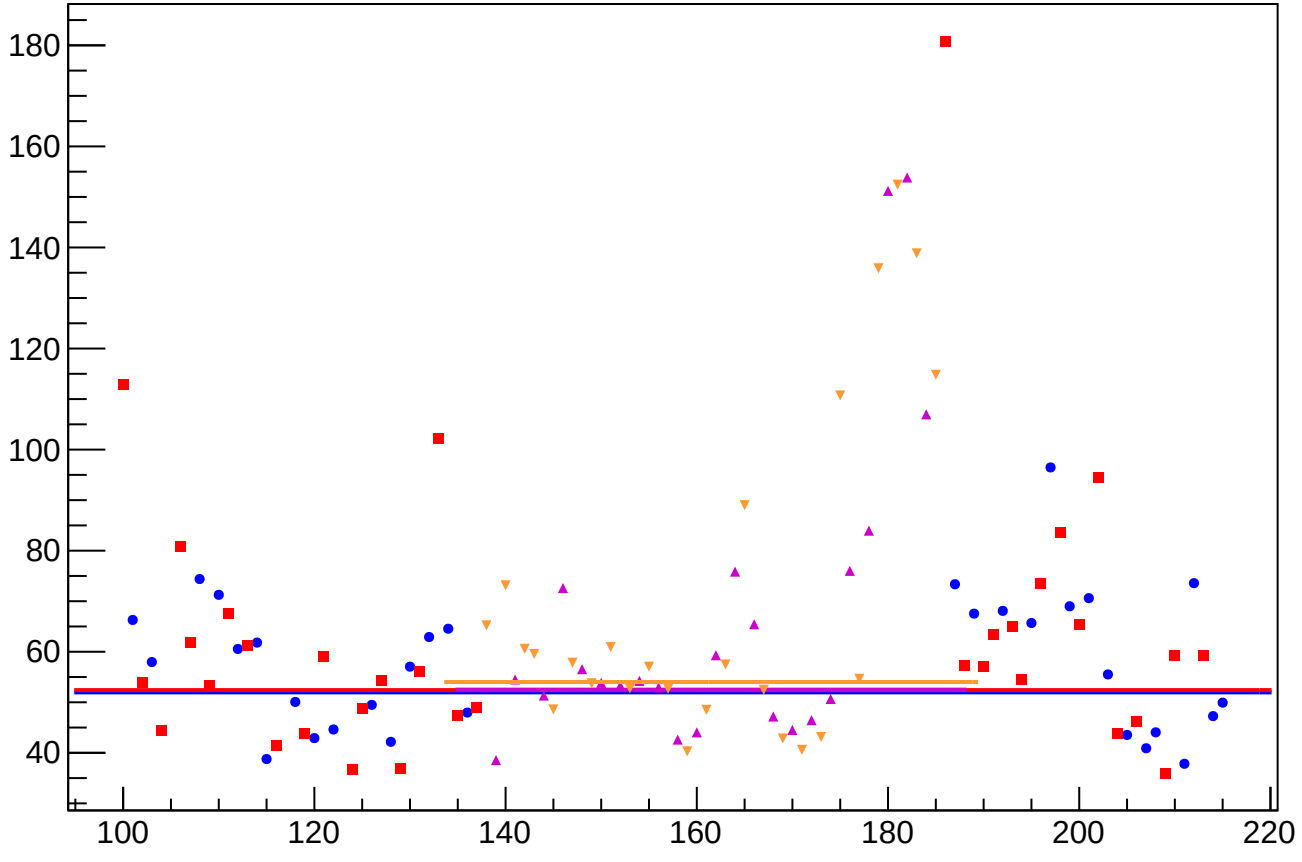
Right: -0.003+/-0.009 χ^2/NDF: 62.1/64

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.004+/-0.009 χ^2/NDF:61.8/58

All: 0.001+/-0.006 χ^2/NDF: 126.3/112

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.960+/-0.009 χ^2/NDF: 1818625.2/30

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 52.412+/-0.009 χ^2/NDF: 2308996.7/33

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

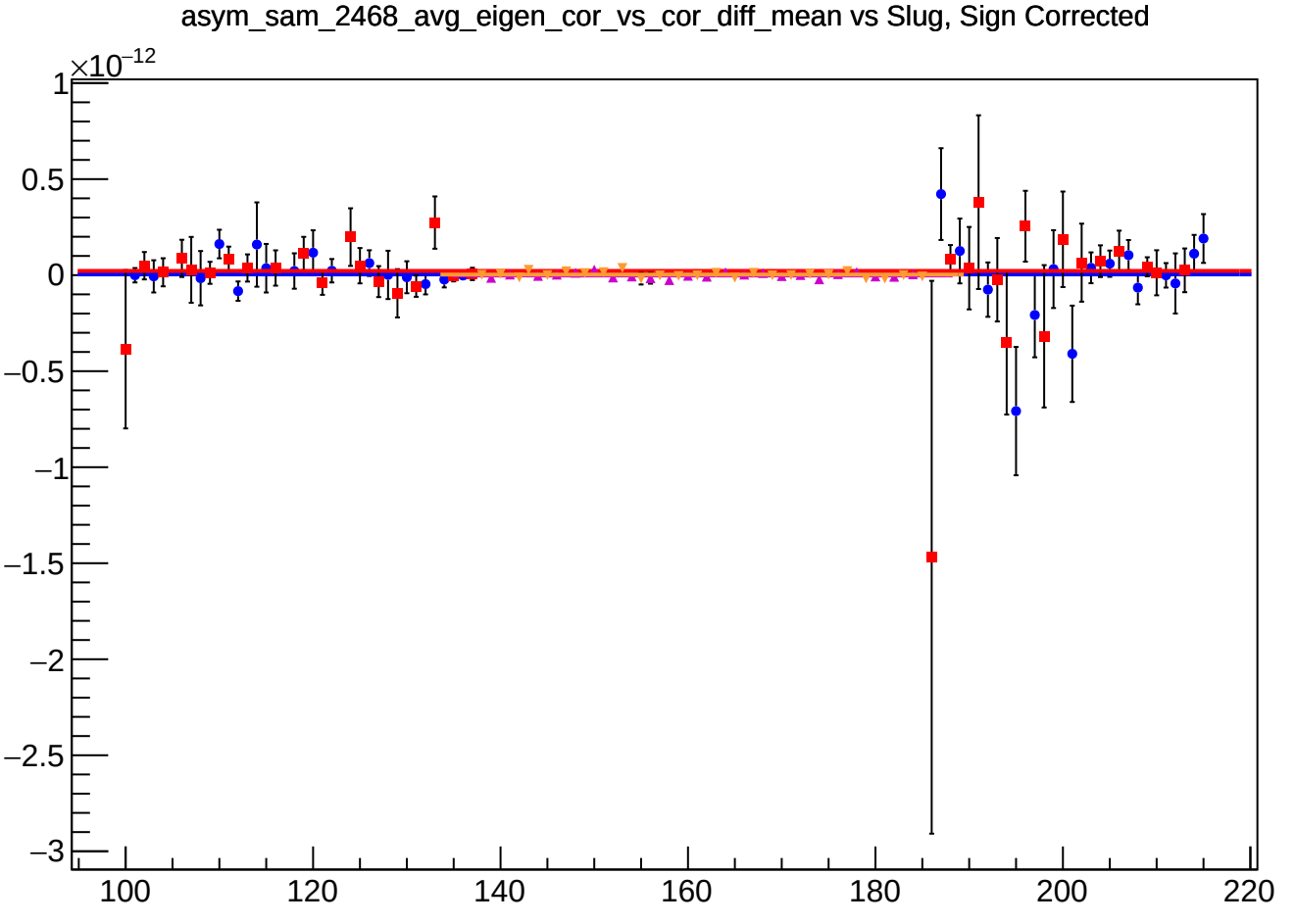
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 52.179+/-0.006 χ^2/NDF: 4128870.4/64

In: 52.218+/-0.006 χ^2/NDF:4378195.3/53

Out: 53.196+/-0.007 χ^2/NDF:5551535.3/58

All: 52.699+/-0.005 χ^2/NDF: 9941068.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/33

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

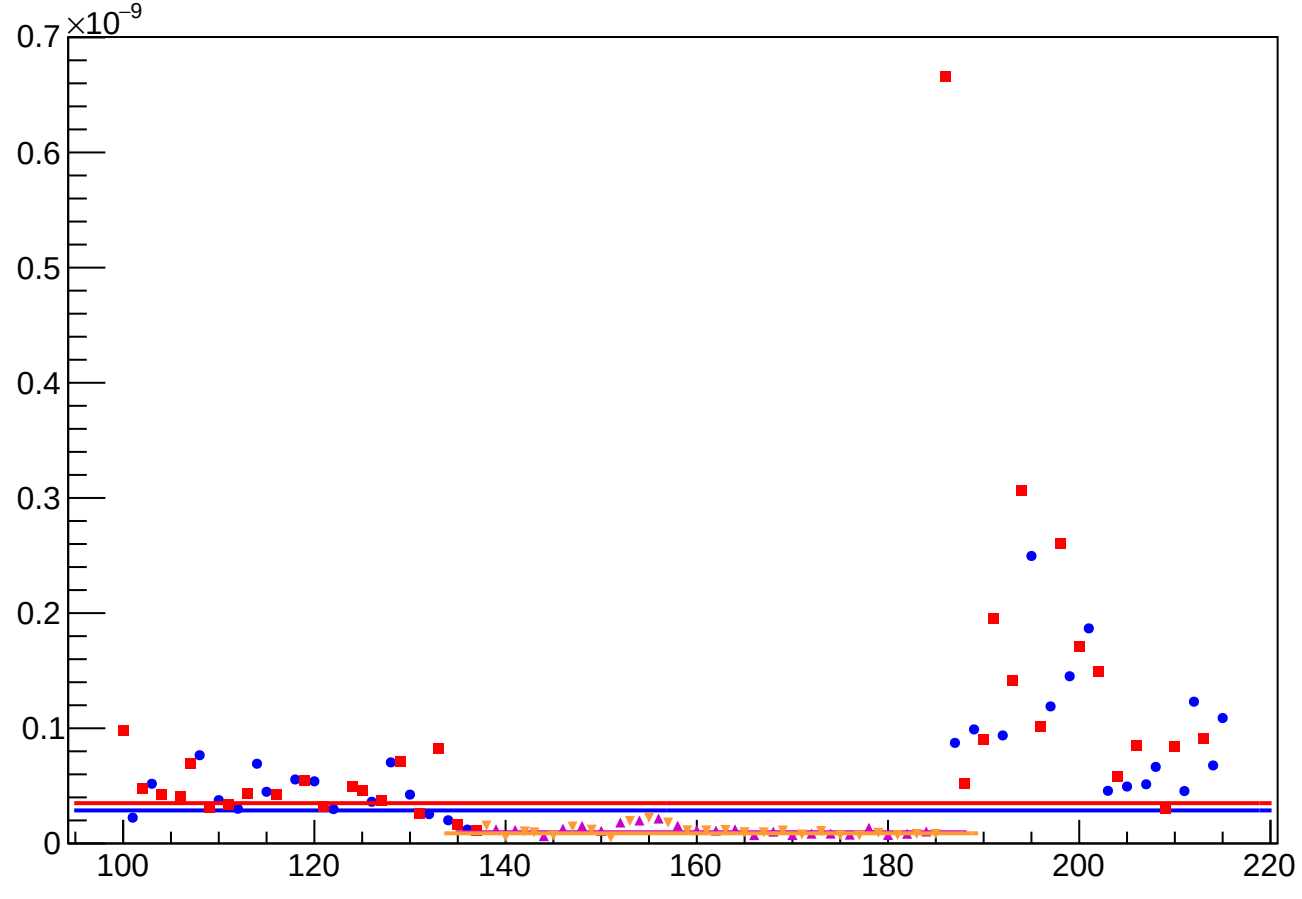
Right: 0.000+/-0.000 χ^2/NDF: 53.3/64

In: -0.000+/-0.000 χ^2/NDF:45.6/53

Out: 0.000+/-0.000 χ^2/NDF:46.0/58

All: 0.000+/-0.000 χ^2/NDF: 93.3/112

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9565841.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8949229.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

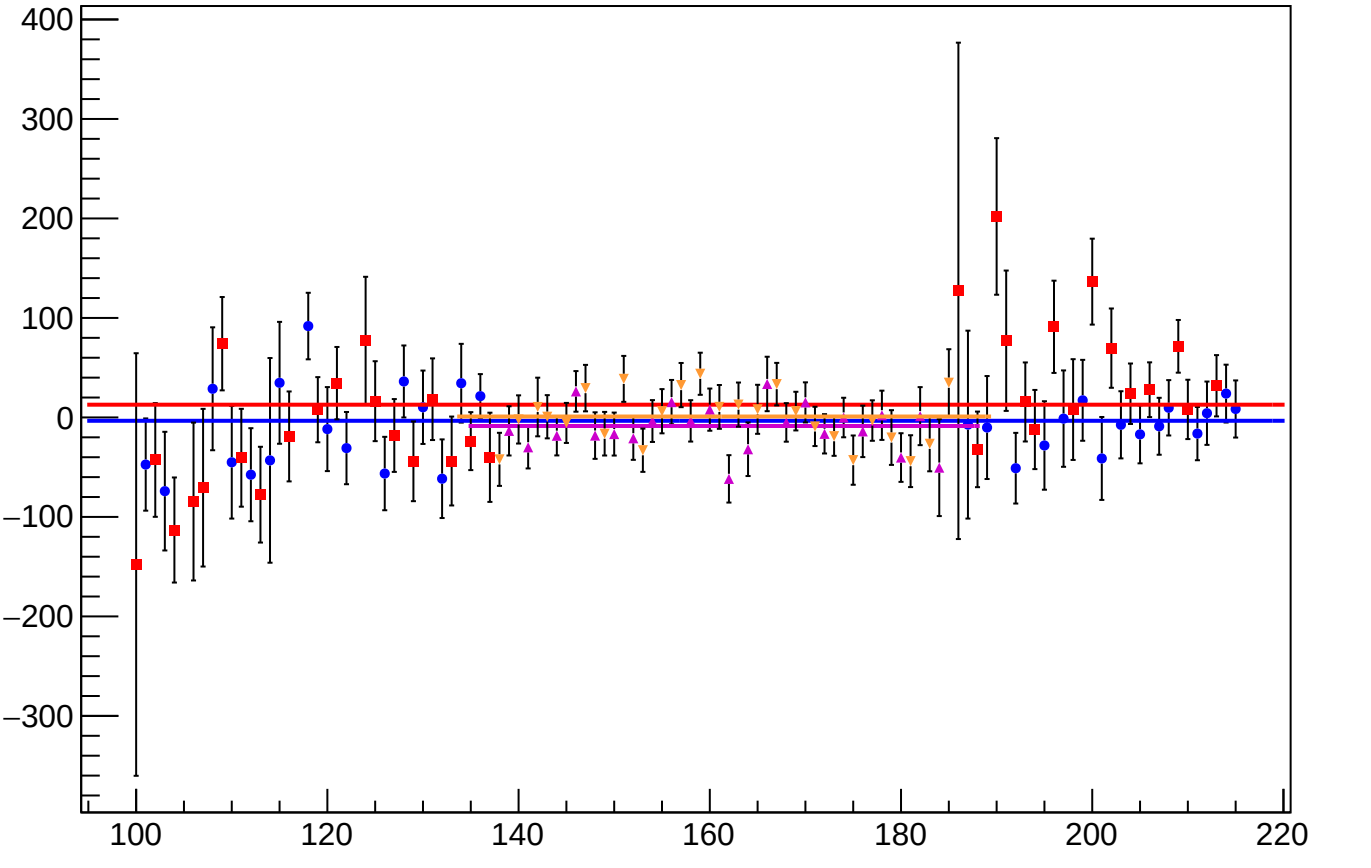
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 18788773.0/64

In: 0.000+/-0.000 χ^2/NDF:17432070.7/53

Out: 0.000+/-0.000 χ^2/NDF:19204767.3/58

All: 0.000+/-0.000 χ^2/NDF: 36804684.4/112



Right In: -3.372+/-6.645 χ^2/NDF: 26.5/30

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 12.802+/-7.097 χ^2/NDF: 52.9/33

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

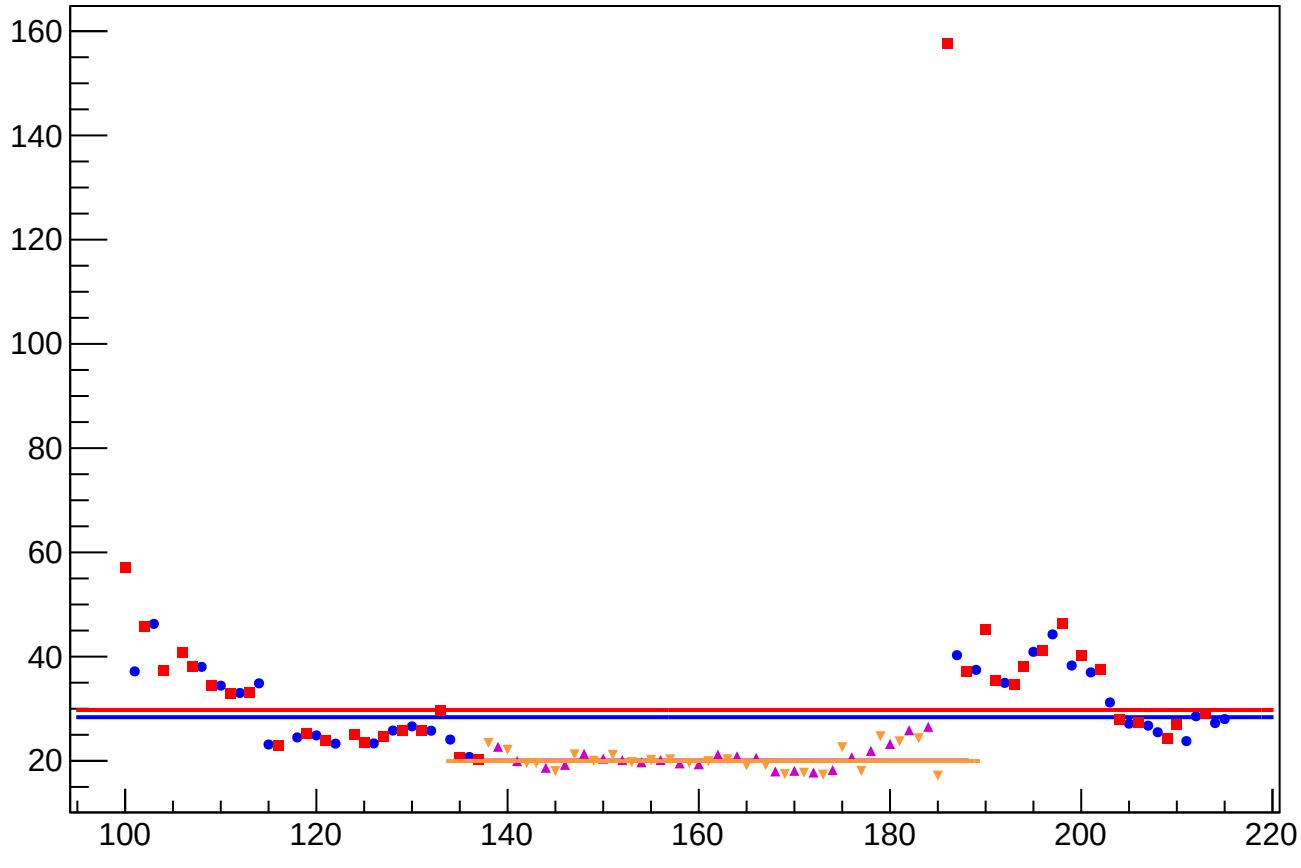
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 4.184+/-4.851 χ^2/NDF: 82.2/64

In: -6.845+/-3.850 χ^2/NDF:46.3/53

Out: 4.404+/-3.845 χ^2/NDF:84.1/58

All: -1.213+/-2.721 χ^2/NDF: 134.7/112



Right In: 28.379+/-0.005 χ^2/NDF: 1615410.7/30

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.767+/-0.005 χ^2/NDF: 2350454.8/33

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

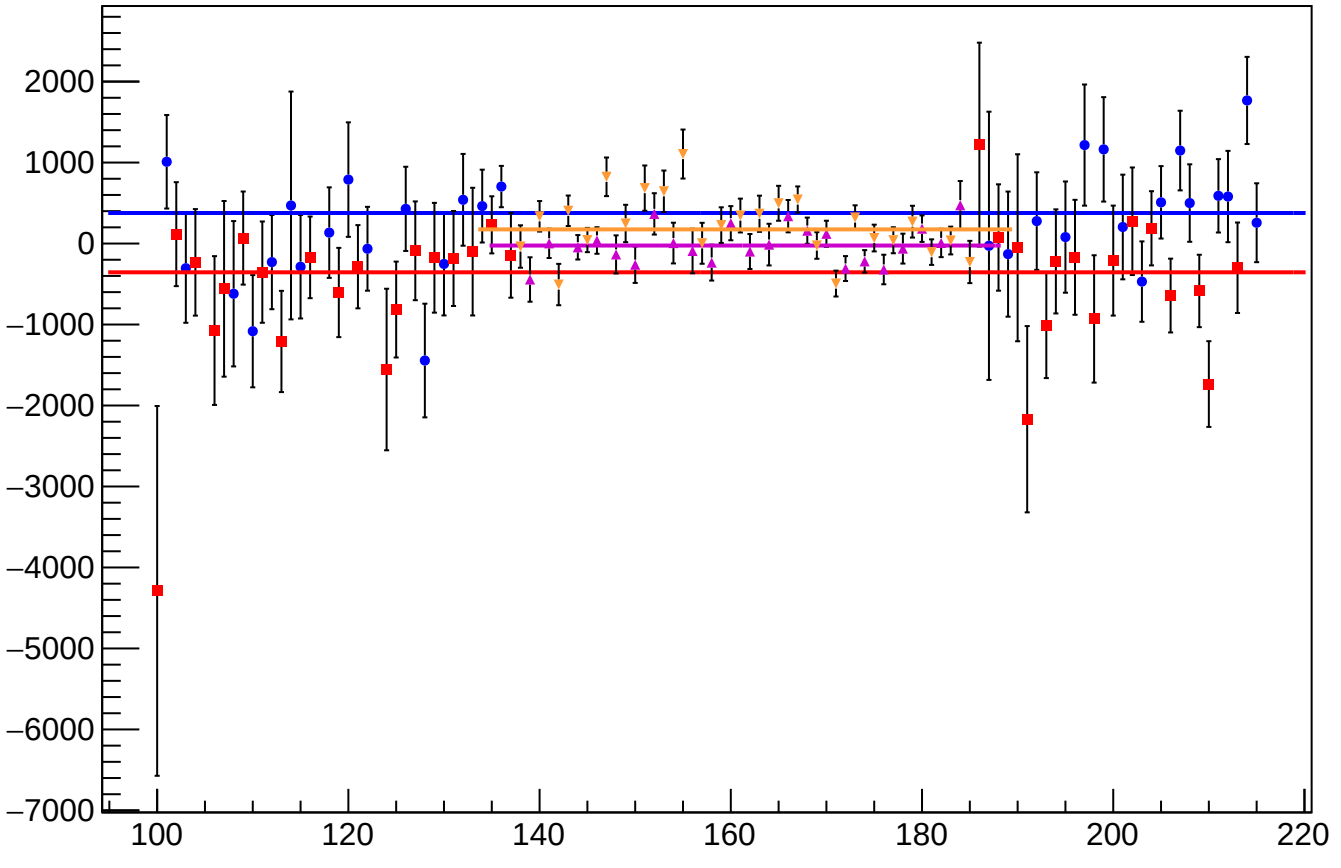
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 29.027+/-0.003 χ^2/NDF: 4006611.7/64

In: 22.861+/-0.003 χ^2/NDF:3993191.0/53

Out: 22.844+/-0.003 χ^2/NDF:5430478.5/58

All: 22.852+/-0.002 χ^2/NDF: 9423688.4/112



Right In: 377.222+/-99.148 χ^2/NDF: 36.9/30

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -355.057+/-105.599 χ^2/NDF: 28.4/33

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

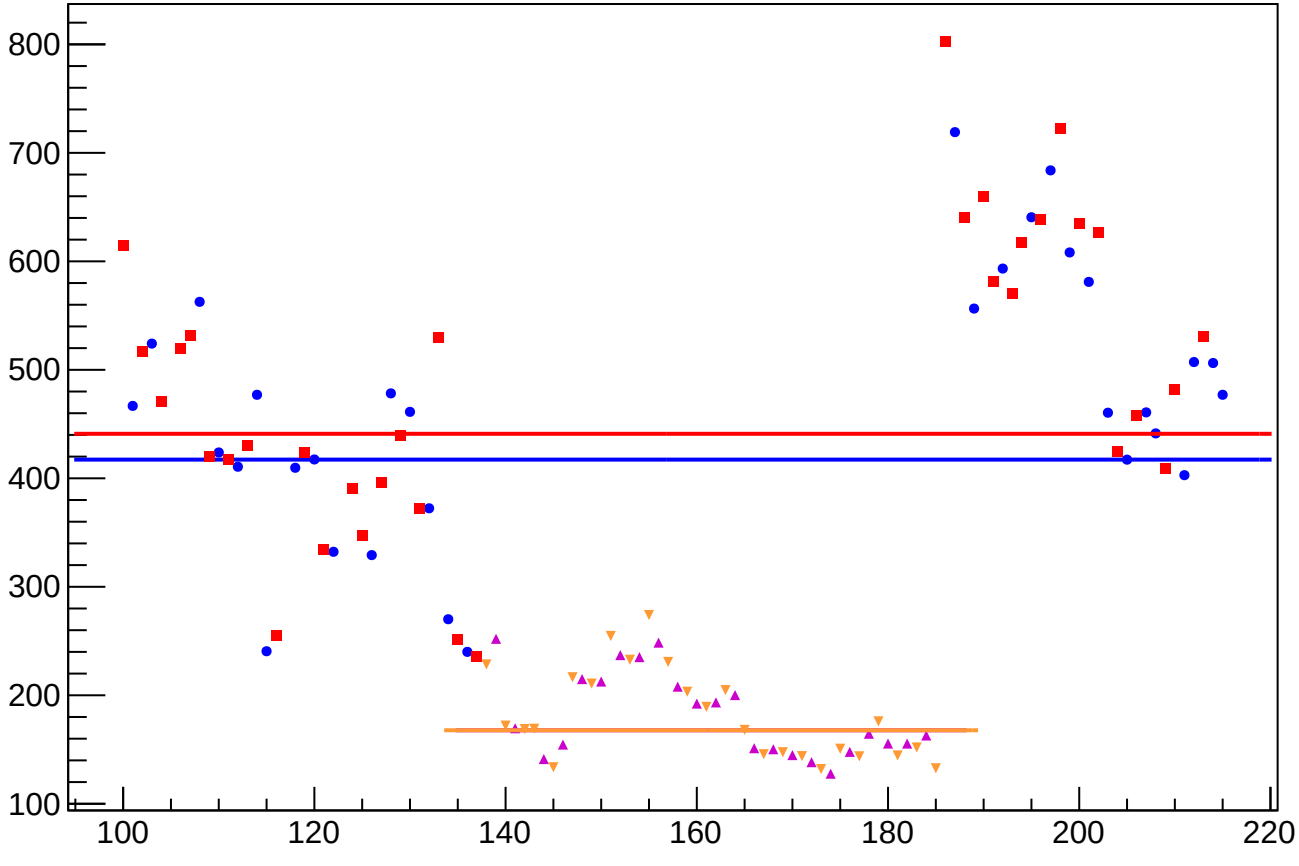
Right: 34.133+/-72.281 χ^2/NDF: 90.9/64

In: 31.826+/-37.151 χ^2/NDF:77.9/53

Out: 110.968+/-36.625 χ^2/NDF:121.8/58

All: 71.961+/-26.082 χ^2/NDF: 202.0/112

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 417.243+/-0.070 χ^2/NDF: 2846545.4/30

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 441.035+/-0.075 χ^2/NDF: 2931508.9/33

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

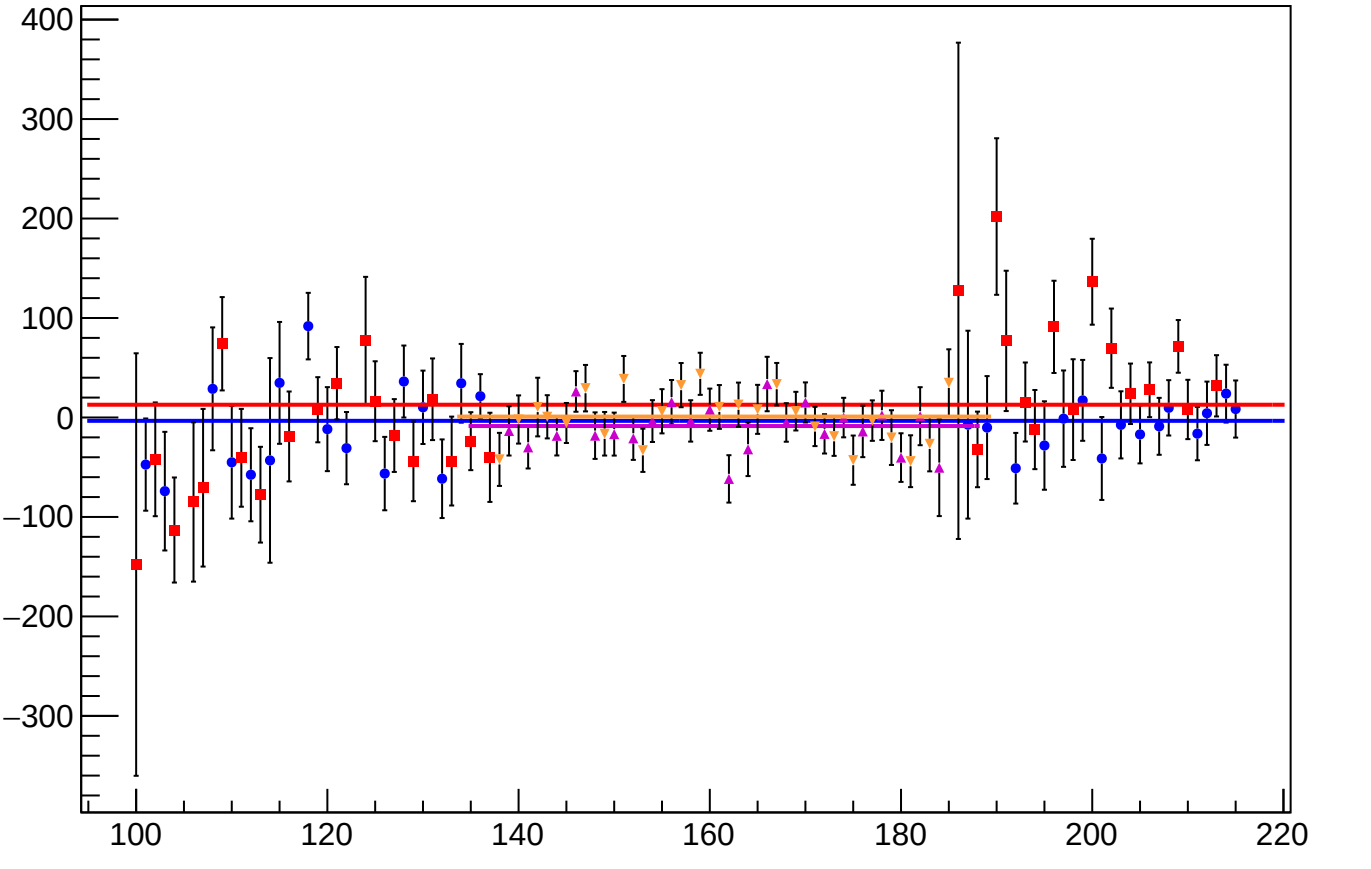
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 428.390+/-0.051 χ^2/NDF: 5832009.2/64

In: 202.778+/-0.026 χ^2/NDF:15136024.3/53

Out: 200.628+/-0.026 χ^2/NDF:16292960.8/58

All: 201.688+/-0.018 χ^2/NDF: 31432381.6/1



Right In: -3.370+/-6.645 χ^2/NDF: 26.5/30

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 12.824+/-7.098 χ^2/NDF: 52.9/33

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

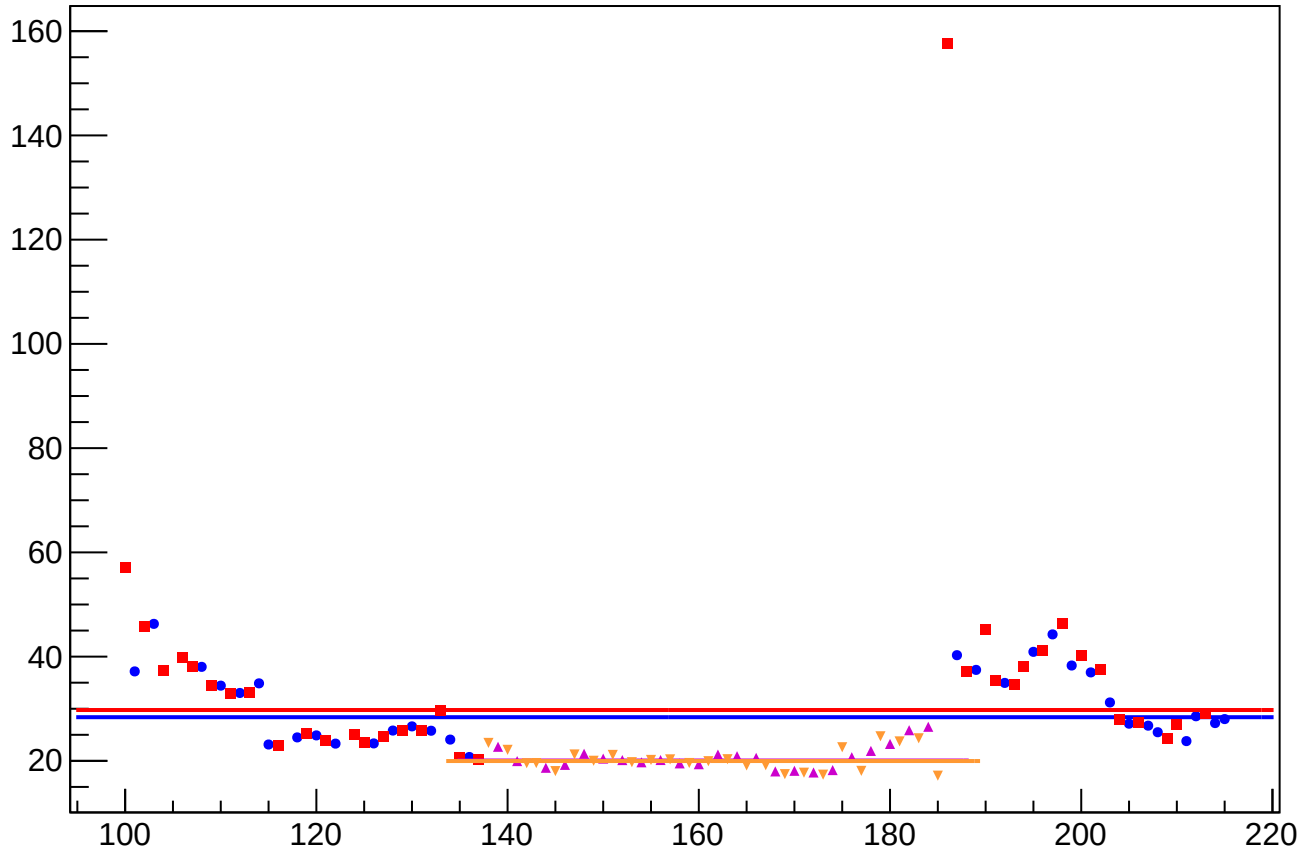
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 4.195+/-4.851 χ^2/NDF: 82.1/64

In: -6.845+/-3.850 χ^2/NDF:46.3/53

Out: 4.409+/-3.845 χ^2/NDF:84.1/58

All: -1.210+/-2.721 χ^2/NDF: 134.6/112



Right In: 28.379+/-0.005 χ^2/NDF: 1615413.9/30

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.757+/-0.005 χ^2/NDF: 2342851.3/33

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

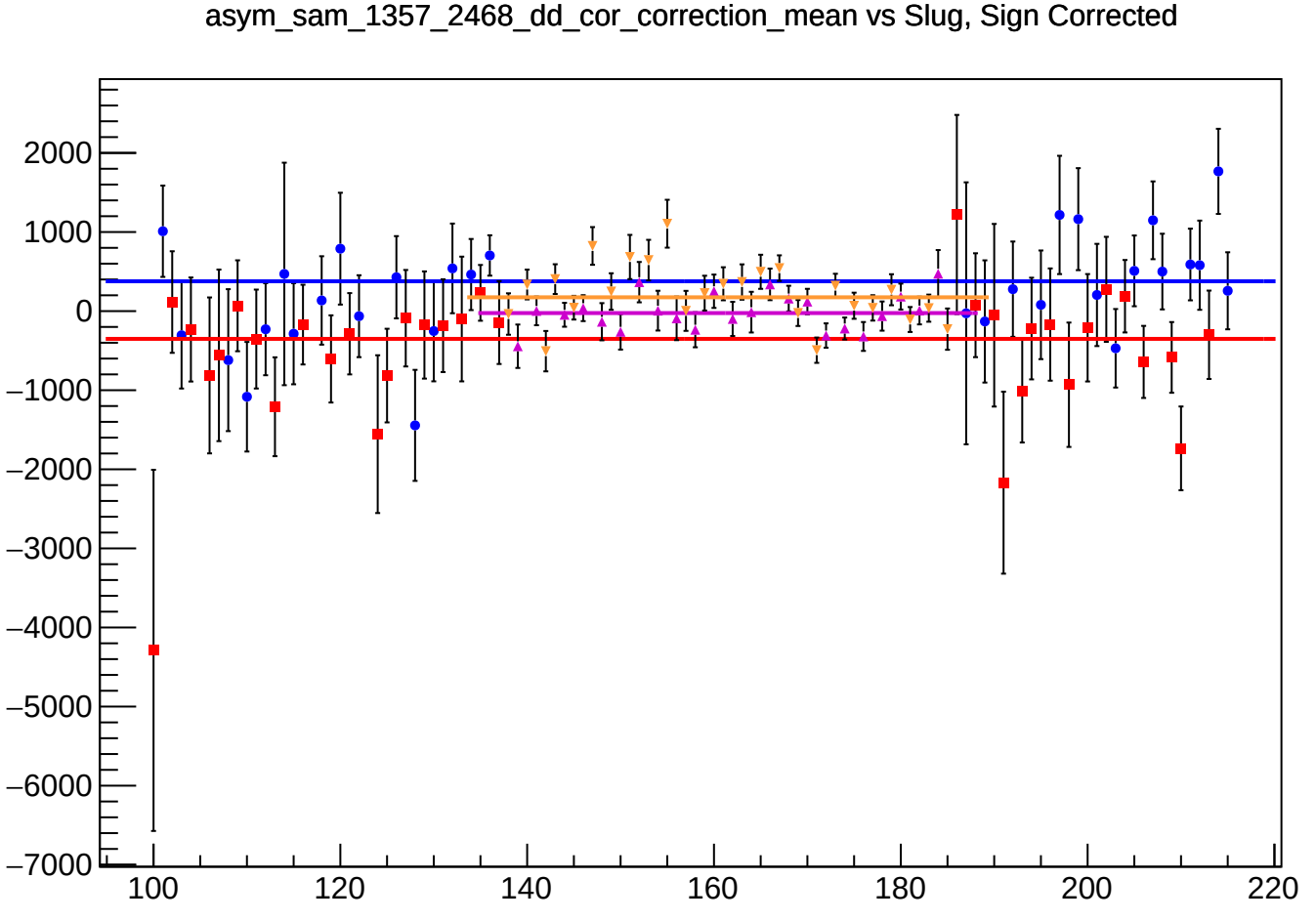
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.023+/-0.003 χ^2/NDF: 3998419.9/64

In: 22.861+/-0.003 χ^2/NDF:3993194.4/53

Out: 22.841+/-0.003 χ^2/NDF:5417049.6/58

All: 22.851+/-0.002 χ^2/NDF: 9410271.0/112



Right In: 377.219+/-99.148 χ^2/NDF: 36.9/30

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -350.855+/-105.692 χ^2/NDF: 28.0/33

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

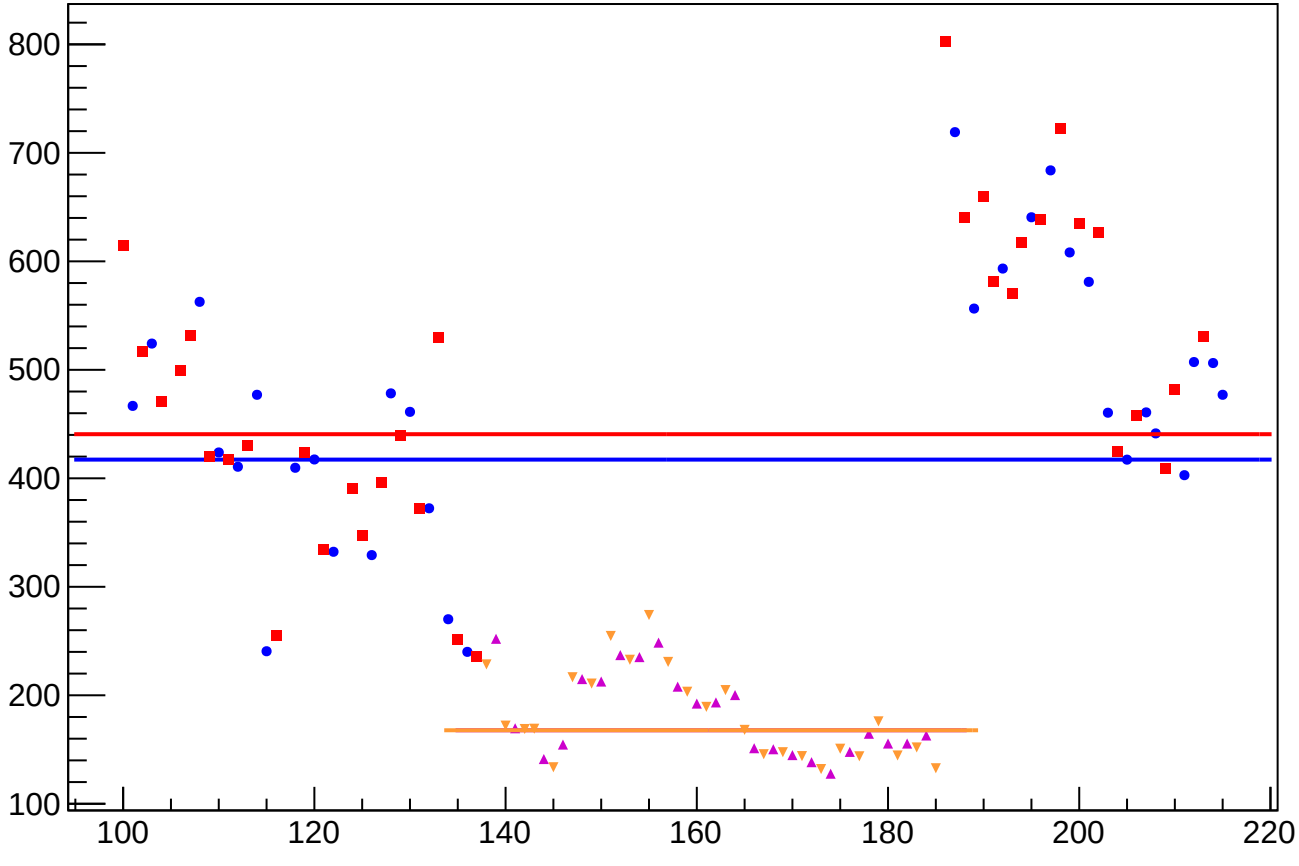
Right: 36.420+/-72.311 χ^2/NDF: 90.2/64

In: 31.825+/-37.151 χ^2/NDF:77.9/53

Out: 111.570+/-36.629 χ^2/NDF:121.0/58

All: 72.261+/-26.083 χ^2/NDF: 201.3/112

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 417.244+/-0.070 χ^2/NDF: 2846570.1/30

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 440.668+/-0.075 χ^2/NDF: 2923948.4/33

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

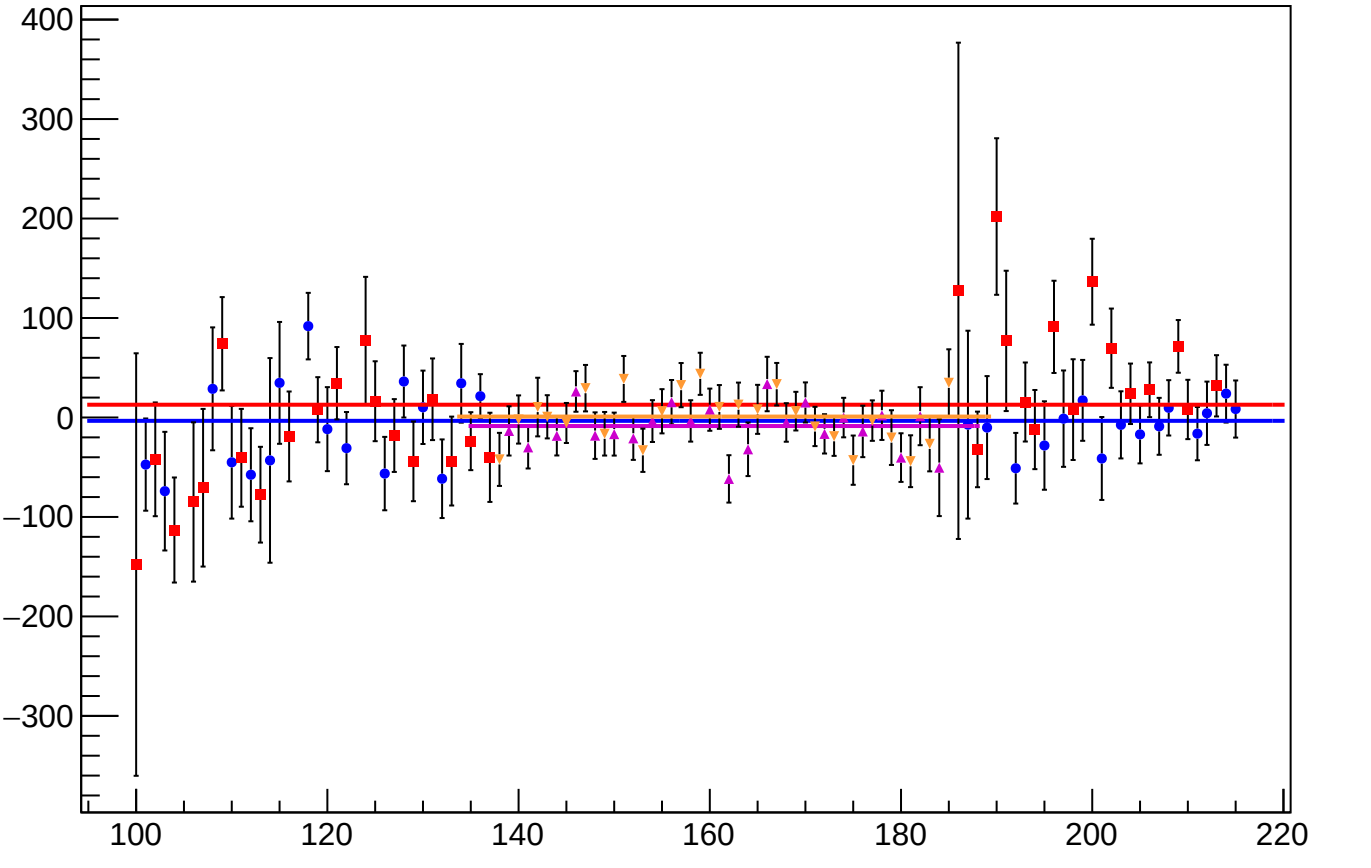
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 428.208+/-0.051 χ^2/NDF: 5822774.6/64

In: 202.778+/-0.026 χ^2/NDF:15136035.4/53

Out: 200.533+/-0.026 χ^2/NDF:16235584.6/58

All: 201.639+/-0.018 χ^2/NDF: 31375323.5/11



Right In: -3.370+/-6.645 χ^2/NDF: 26.5/30

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 12.824+/-7.098 χ^2/NDF: 52.9/33

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

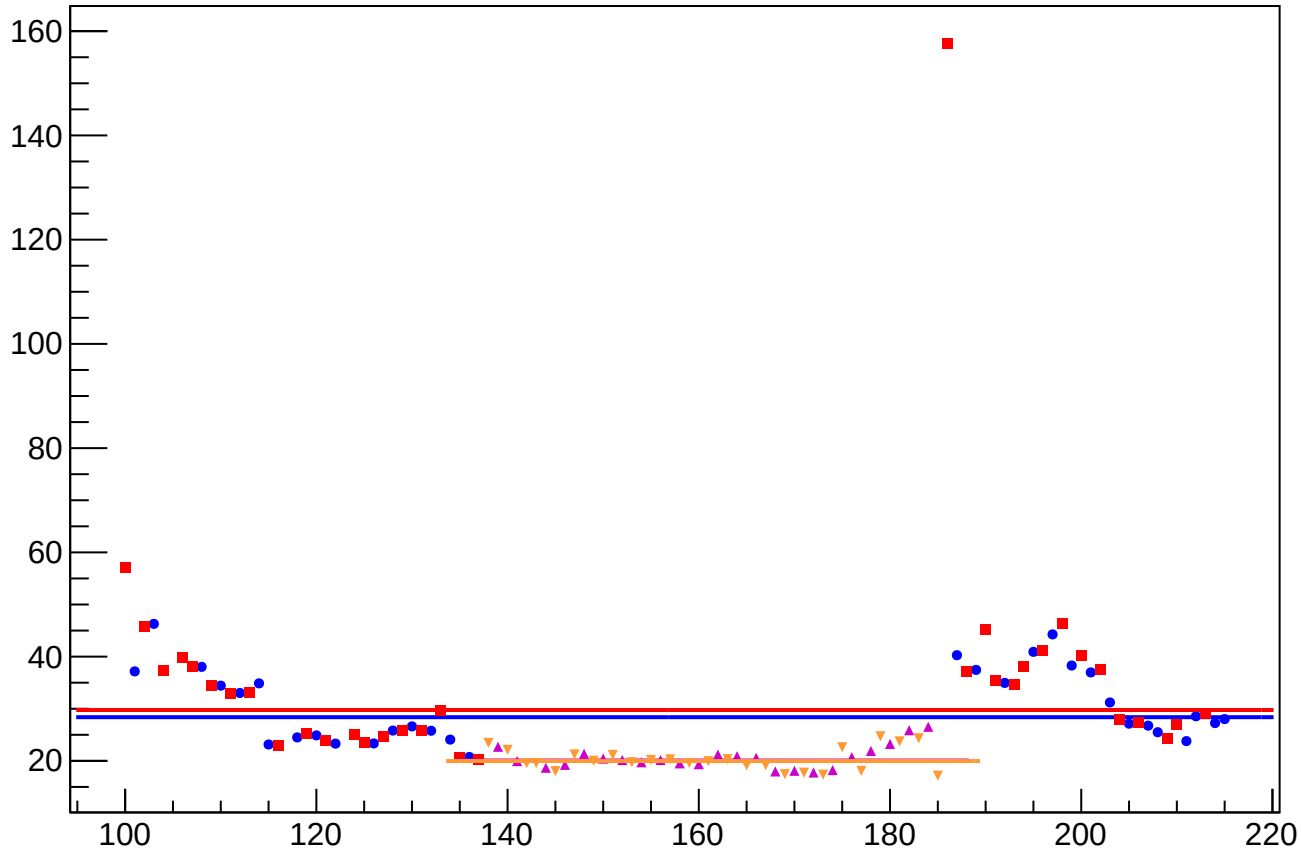
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 4.195+/-4.851 χ^2/NDF: 82.1/64

In: -6.845+/-3.850 χ^2/NDF:46.3/53

Out: 4.409+/-3.845 χ^2/NDF:84.1/58

All: -1.210+/-2.721 χ^2/NDF: 134.6/112



Right In: 28.379+/-0.005 χ^2/NDF: 1615413.9/30

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.757+/-0.005 χ^2/NDF: 2342851.3/33

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

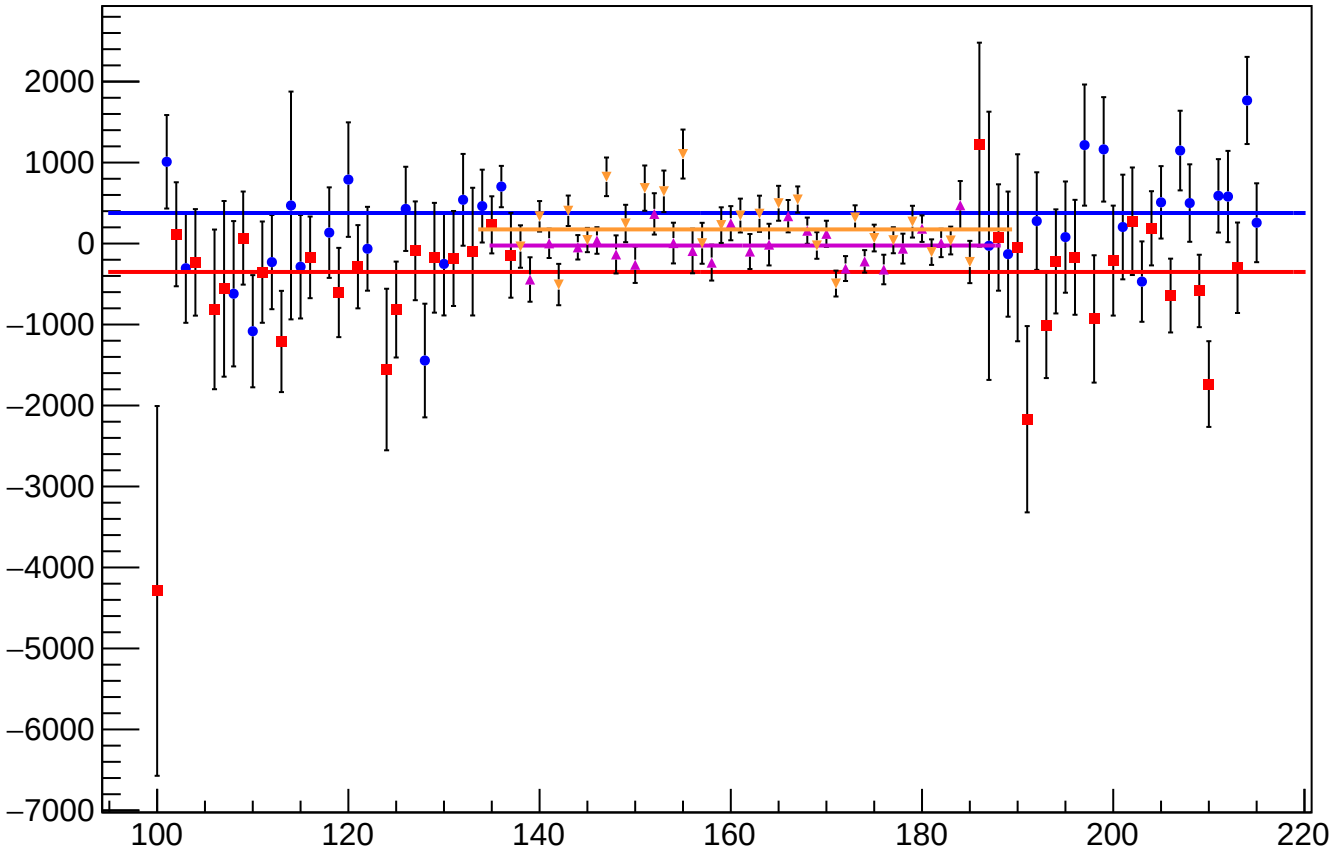
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.023+/-0.003 χ^2/NDF: 3998419.9/64

In: 22.861+/-0.003 χ^2/NDF:3993194.4/53

Out: 22.841+/-0.003 χ^2/NDF:5417049.6/58

All: 22.851+/-0.002 χ^2/NDF: 9410271.0/112



Right In: 377.219+/-99.148 χ^2/NDF: 36.9/30

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -350.855+/-105.692 χ^2/NDF: 28.0/33

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

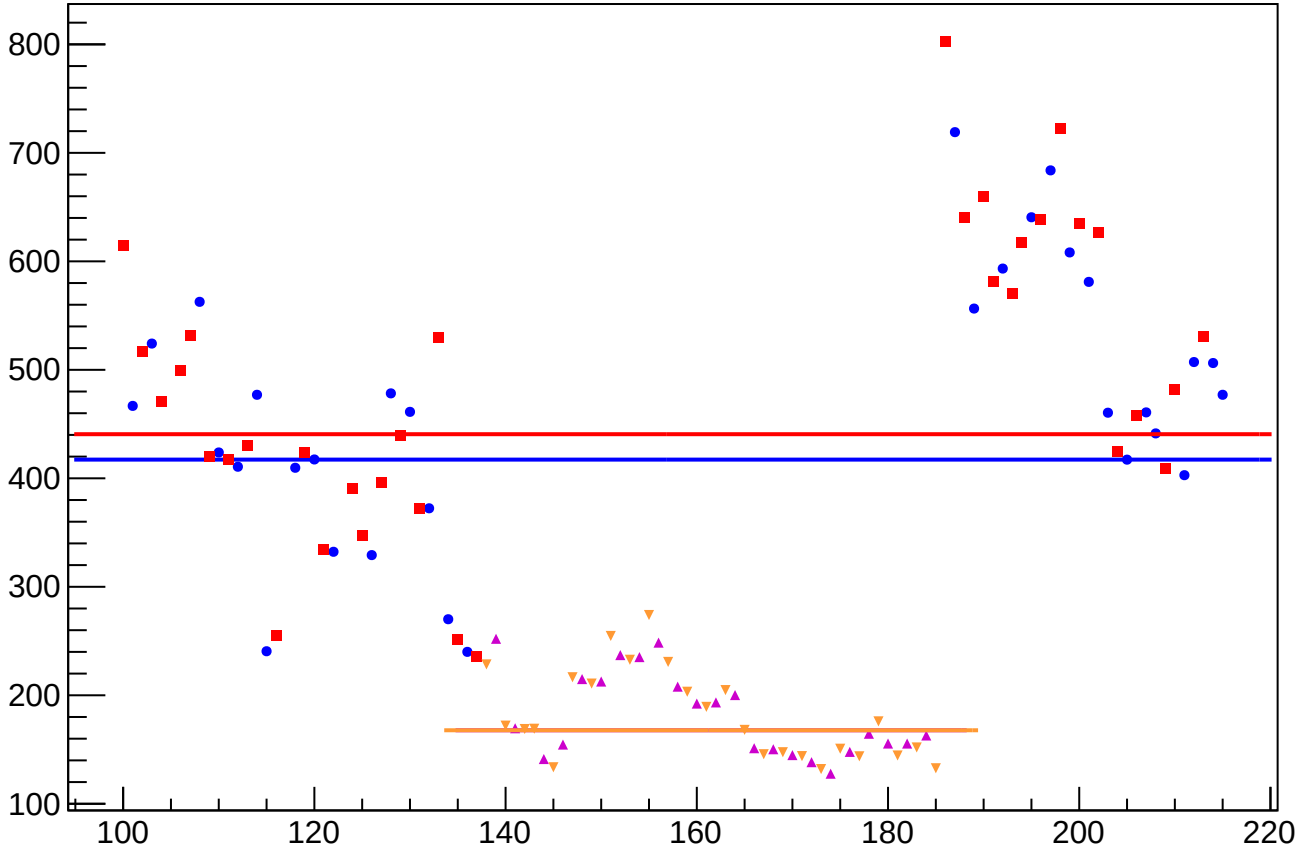
Right: 36.420+/-72.311 χ^2/NDF: 90.2/64

In: 31.825+/-37.151 χ^2/NDF:77.9/53

Out: 111.570+/-36.629 χ^2/NDF:121.0/58

All: 72.261+/-26.083 χ^2/NDF: 201.3/112

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 417.244+/-0.070 χ^2/NDF: 2846570.1/30

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 440.668+/-0.075 χ^2/NDF: 2923948.4/33

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

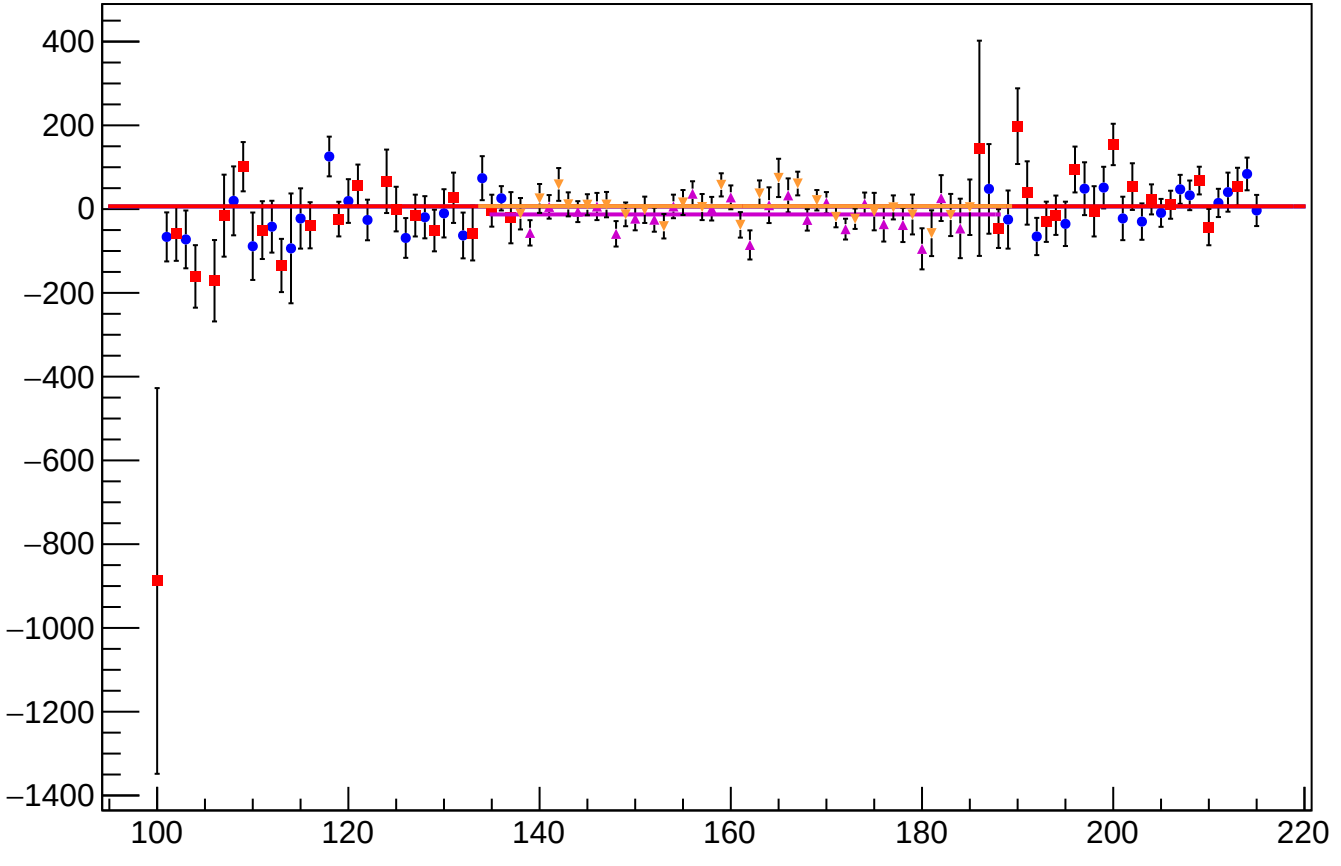
Right: 428.208+/-0.051 χ^2/NDF: 5822774.6/64

In: 202.778+/-0.026 χ^2/NDF:15136035.4/53

Out: 200.533+/-0.026 χ^2/NDF:16235584.6/58

All: 201.639+/-0.018 χ^2/NDF: 31375323.5/1

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 6.319+/-8.591 χ^2/NDF: 31.7/30

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 6.754+/-9.084 χ^2/NDF: 52.6/33

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

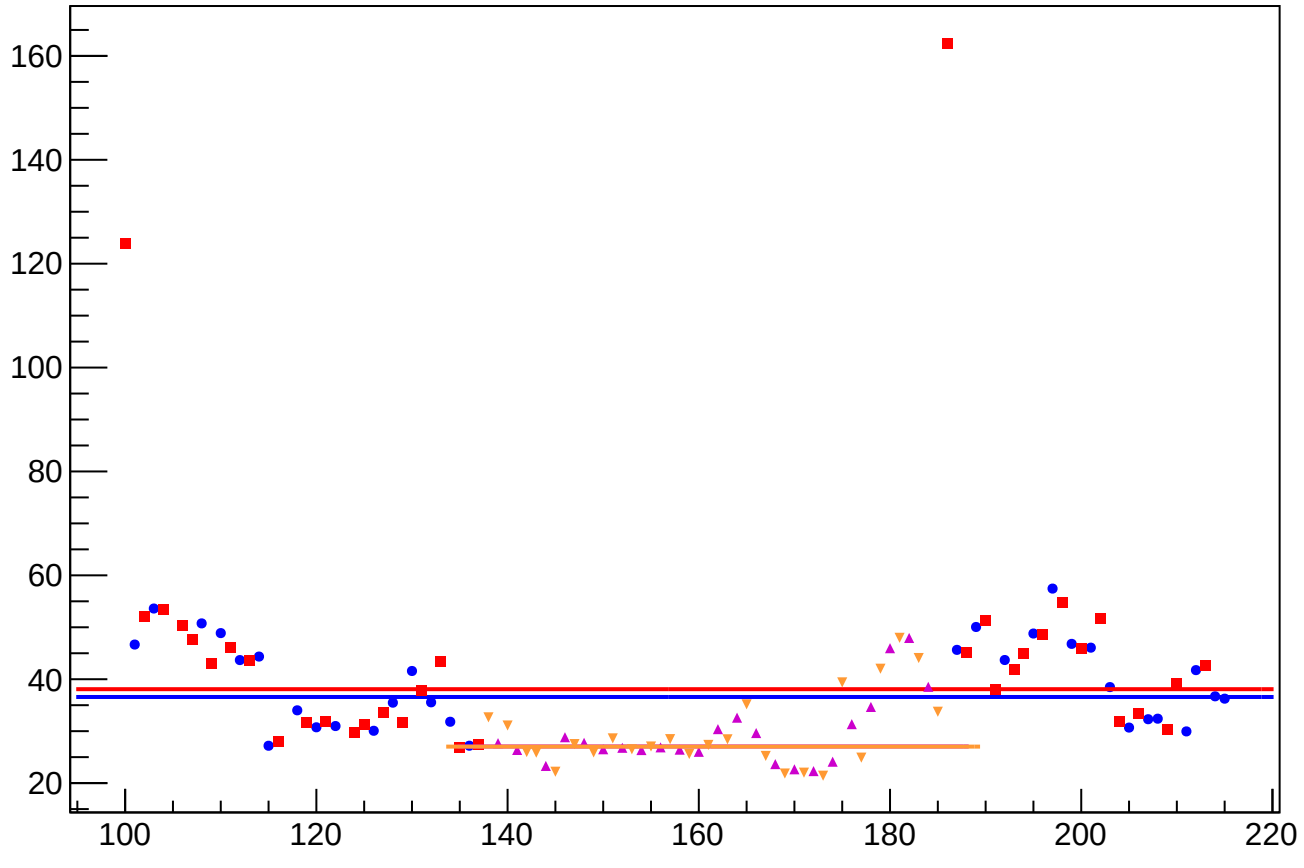
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 6.524+/-6.242 χ^2/NDF: 84.3/64

In: -5.756+/-5.190 χ^2/NDF:60.4/53

Out: 6.973+/-5.195 χ^2/NDF:75.3/58

All: 0.603+/-3.672 χ^2/NDF: 138.7/112



Right In: 36.580+/-0.006 χ^2/NDF: 1536579.9/30

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 38.084+/-0.006 χ^2/NDF: 2096793.1/33

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

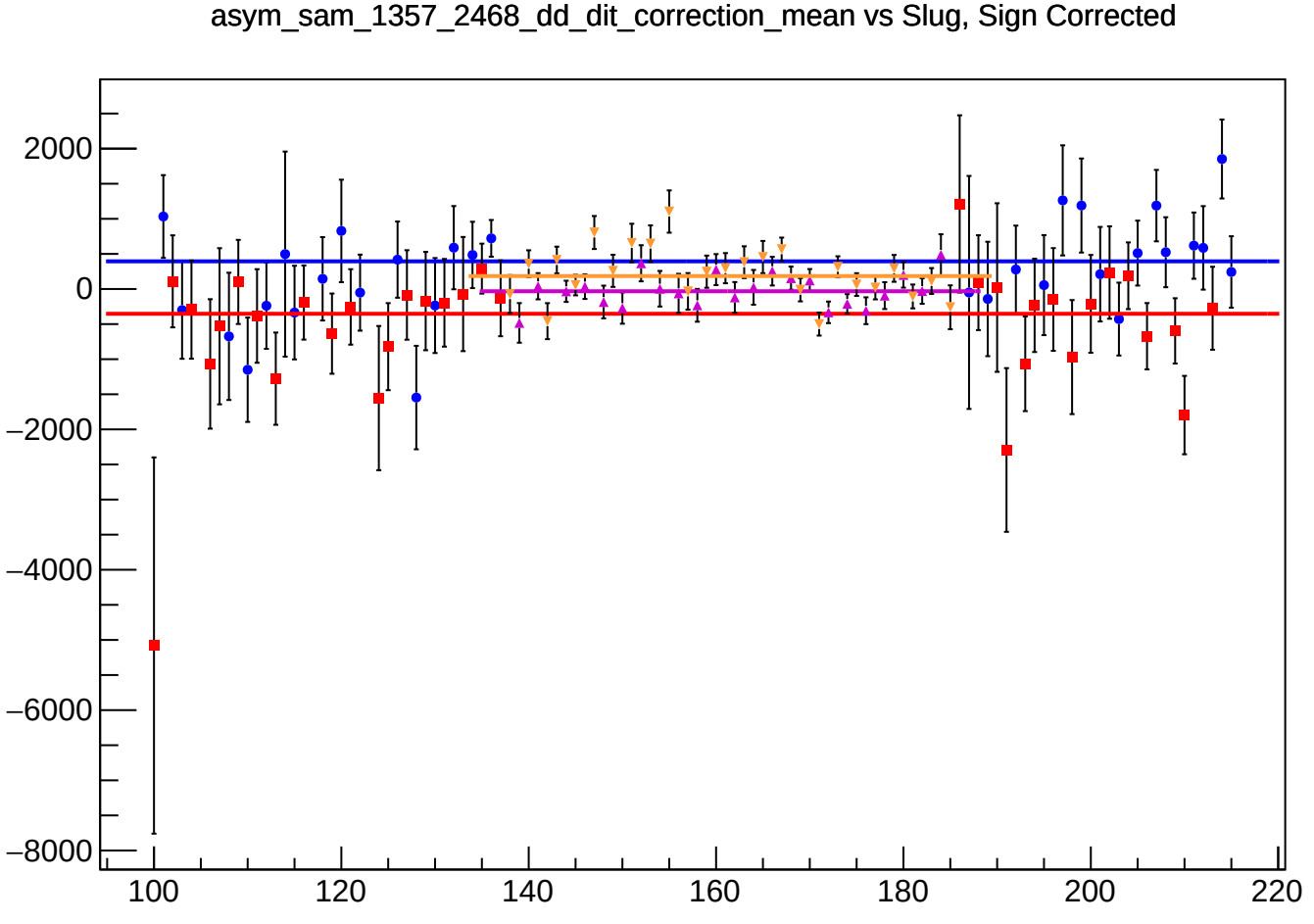
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 37.290+/-0.004 χ^2/NDF: 3662319.0/64

In: 30.530+/-0.004 χ^2/NDF:4142840.6/53

Out: 30.643+/-0.004 χ^2/NDF:5521425.2/58

All: 30.586+/-0.003 χ^2/NDF: 9664742.5/112



Right In: 394.170+/-103.210 χ^2/NDF: 36.6/30

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -352.996+/-109.485 χ^2/NDF: 29.2/33

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

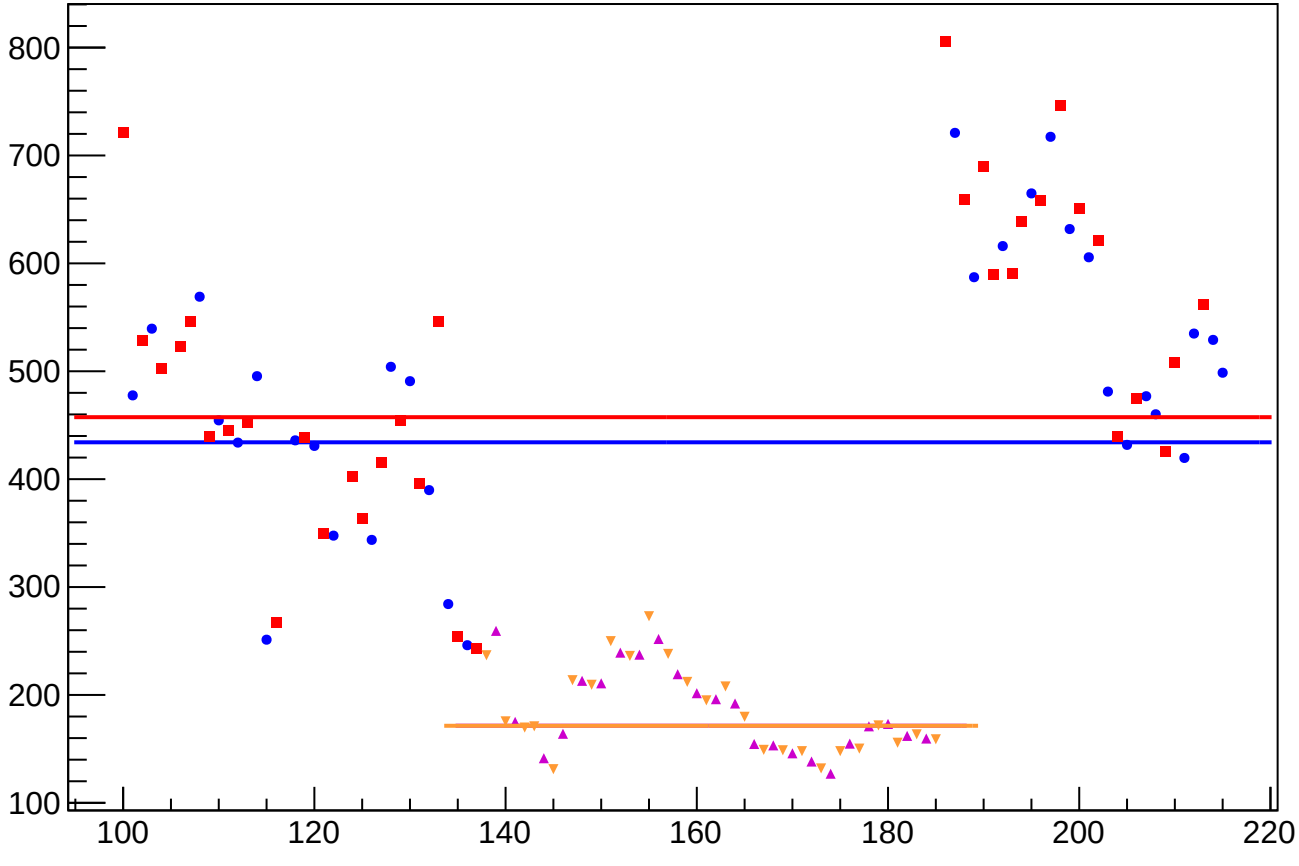
Right: 42.611+/-75.101 χ^2/NDF: 90.4/64

In: 26.119+/-38.083 χ^2/NDF:77.7/53

Out: 121.827+/-37.432 χ^2/NDF:118.1/58

All: 74.799+/-26.696 χ^2/NDF: 199.0/112

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 434.156+/-0.073 χ^2/NDF: 2898864.4/30

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 457.446+/-0.077 χ^2/NDF: 2919294.8/33

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

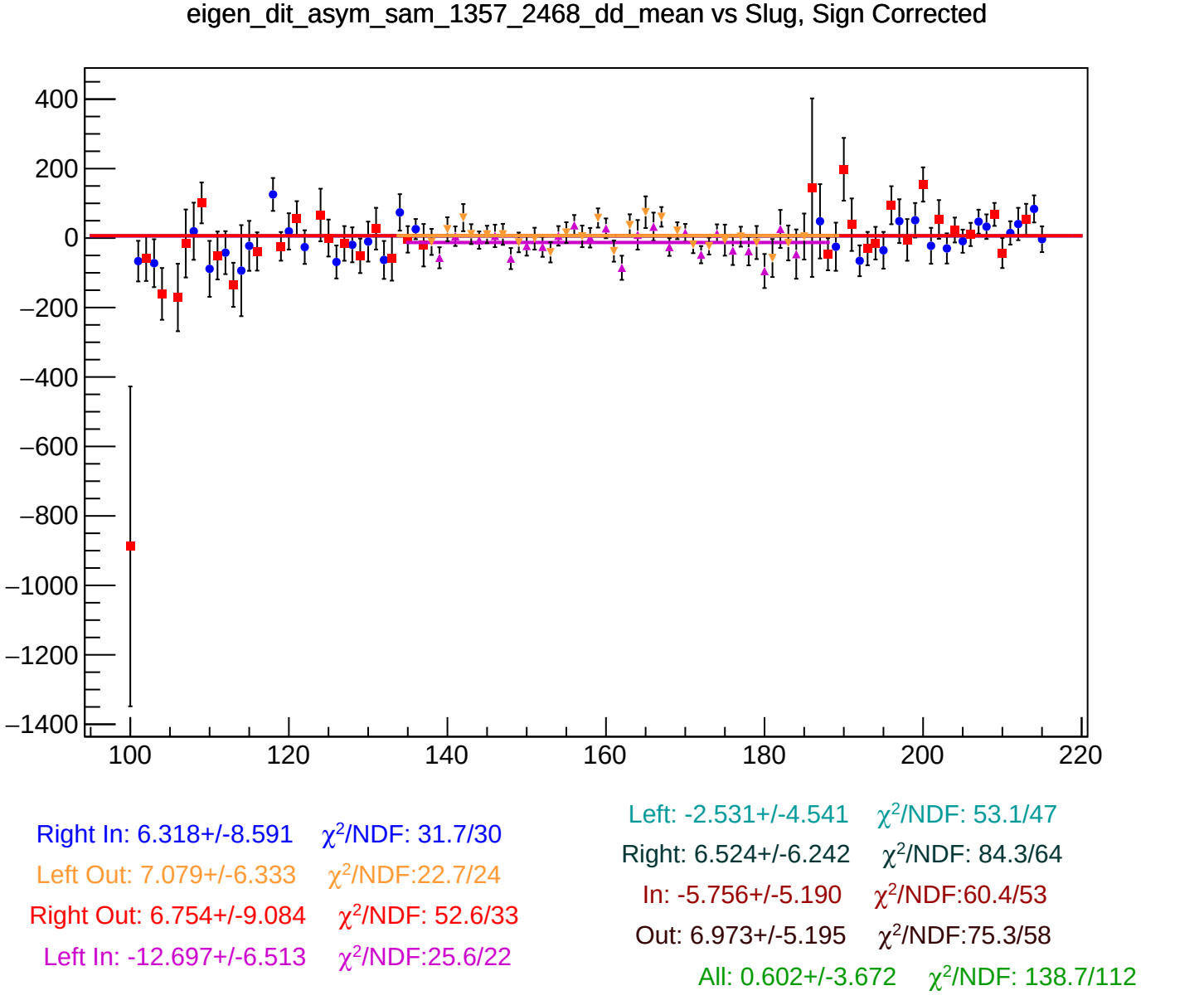
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

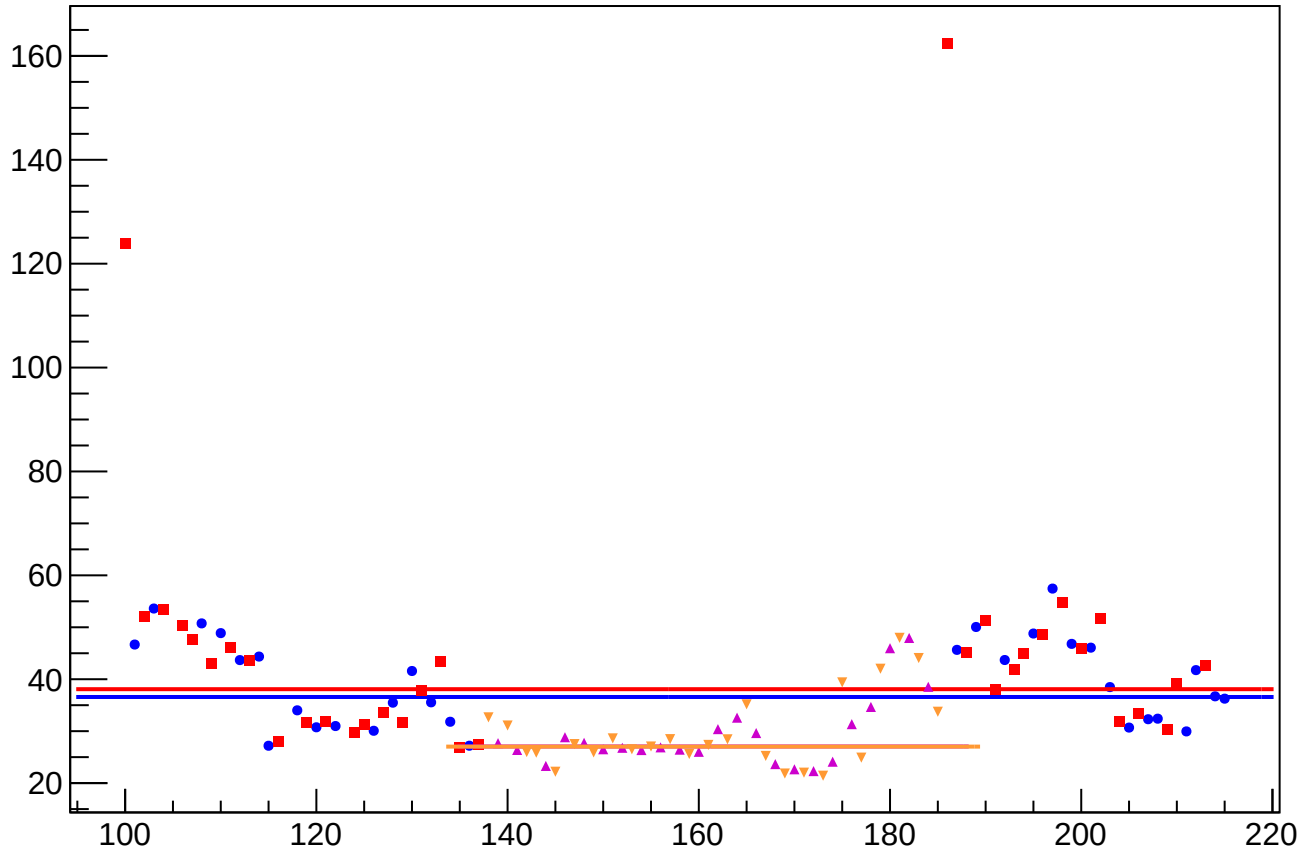
Right: 445.115+/-0.053 χ^2/NDF: 5866077.7/64

In: 207.253+/-0.027 χ^2/NDF:15504731.4/53

Out: 204.859+/-0.026 χ^2/NDF:16500077.3/58

All: 206.035+/-0.019 χ^2/NDF: 32008828.0/11


eigen_dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
120
140
160
180
200
220
Right In: 6.318+/-8.591 χ²/NDF: 31.7/30
Left Out: 7.079+/-6.333 χ²/NDF:22.7/24
Right Out: 6.754+/-9.084 χ²/NDF: 52.6/33
Left In: -12.697+/-6.513 χ²/NDF:25.6/22
Left: -2.531+/-4.541 χ²/NDF: 53.1/47
Right: 6.524+/-6.242 χ²/NDF: 84.3/64
In: -5.756+/-5.190 χ²/NDF:60.4/53
Out: 6.973+/-5.195 χ²/NDF:75.3/58
All: 0.602+/-3.672 χ²/NDF: 138.7/112



Right In: 36.579+/-0.006 χ^2/NDF: 1536557.4/30

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 38.084+/-0.006 χ^2/NDF: 2096769.9/33

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

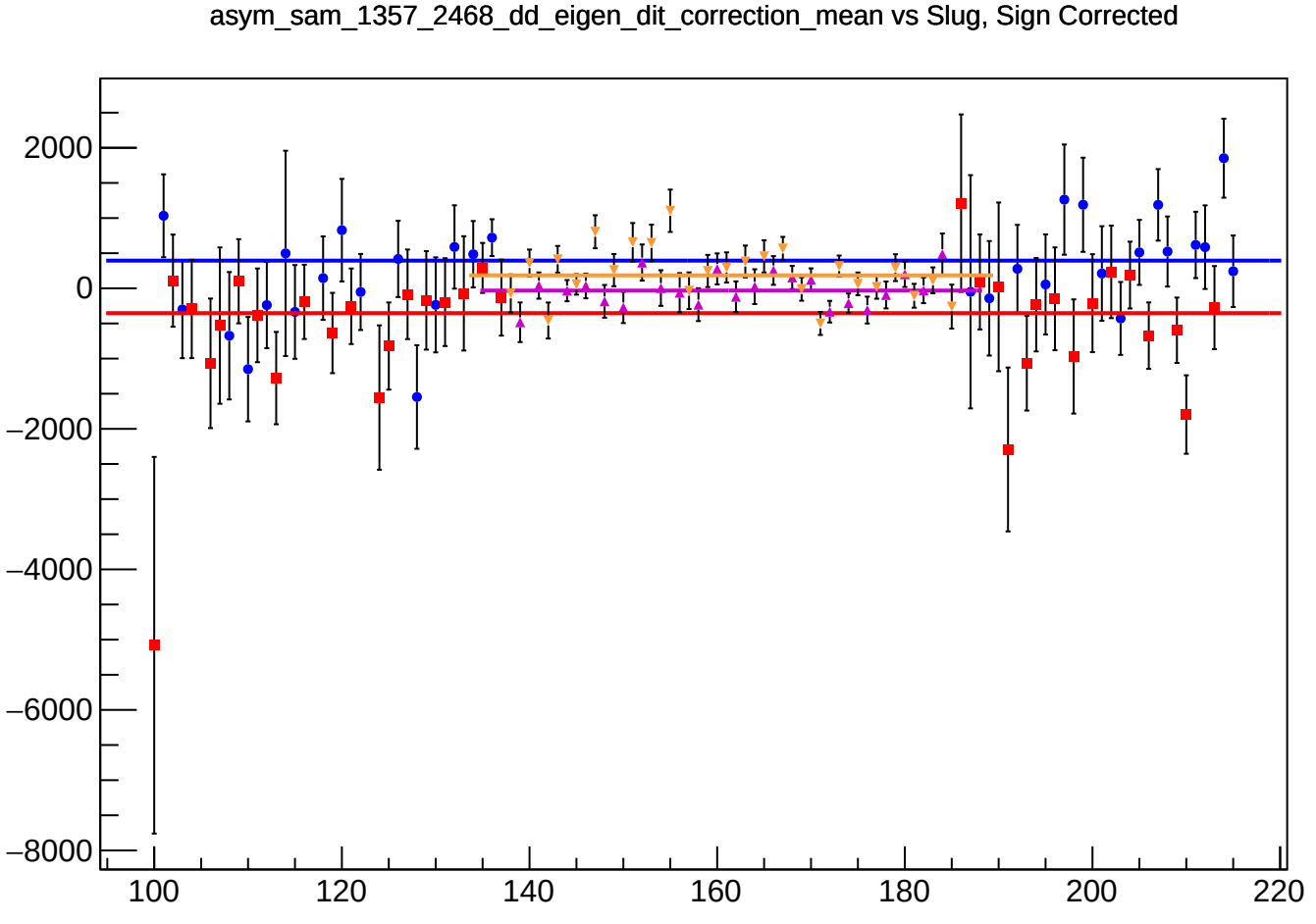
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 37.290+/-0.004 χ^2/NDF: 3662278.2/64

In: 30.530+/-0.004 χ^2/NDF:4142711.3/53

Out: 30.643+/-0.004 χ^2/NDF:5521345.1/58

All: 30.586+/-0.003 χ^2/NDF: 9664533.7/112



Right In: 394.168+/-103.210 χ^2/NDF: 36.6/30

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -352.995+/-109.485 χ^2/NDF: 29.2/33

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

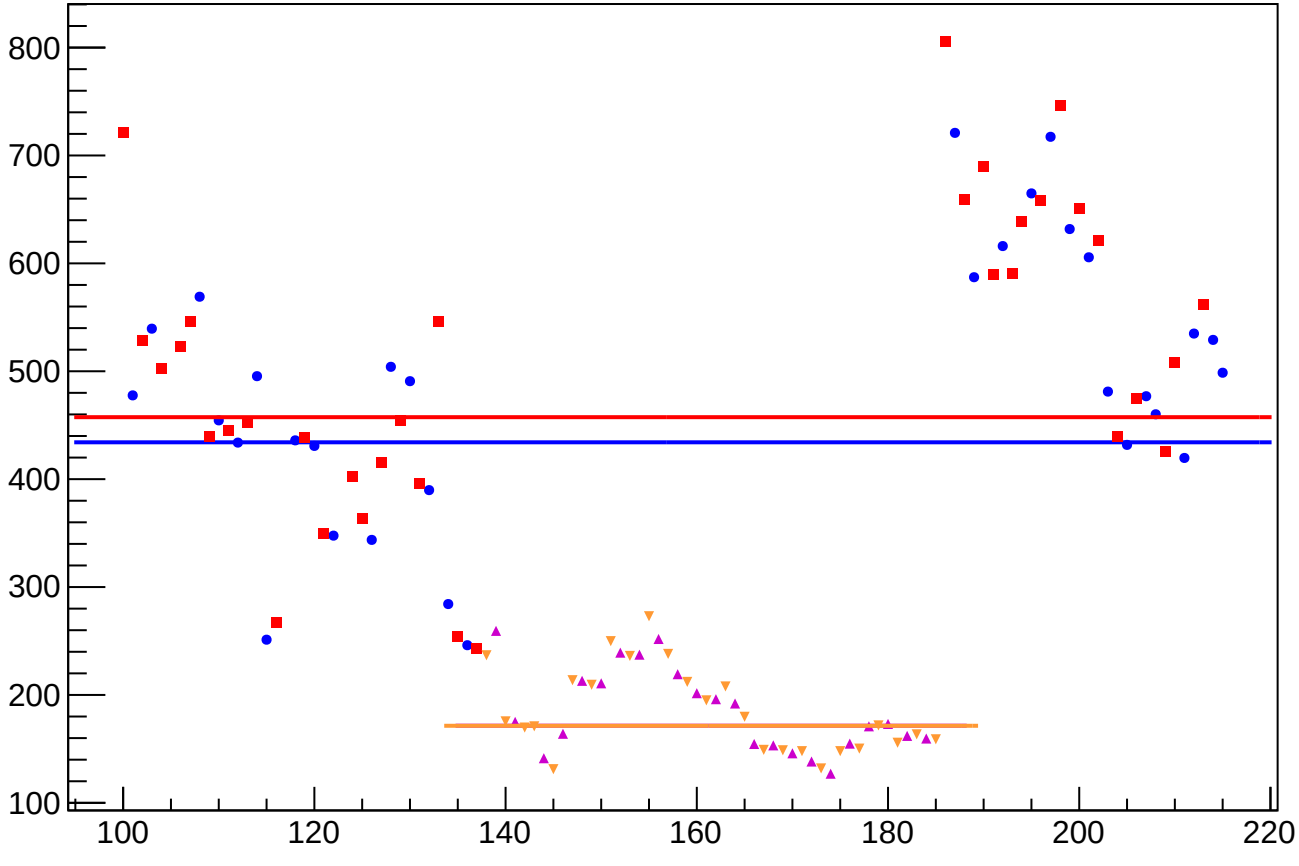
Right: 42.611+/-75.101 χ^2/NDF: 90.4/64

In: 26.118+/-38.083 χ^2/NDF:77.7/53

Out: 121.827+/-37.432 χ^2/NDF:118.1/58

All: 74.799+/-26.696 χ^2/NDF: 199.0/112

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 434.156+/-0.073 χ^2/NDF: 2898873.1/30

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 457.446+/-0.077 χ^2/NDF: 2919306.3/33

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

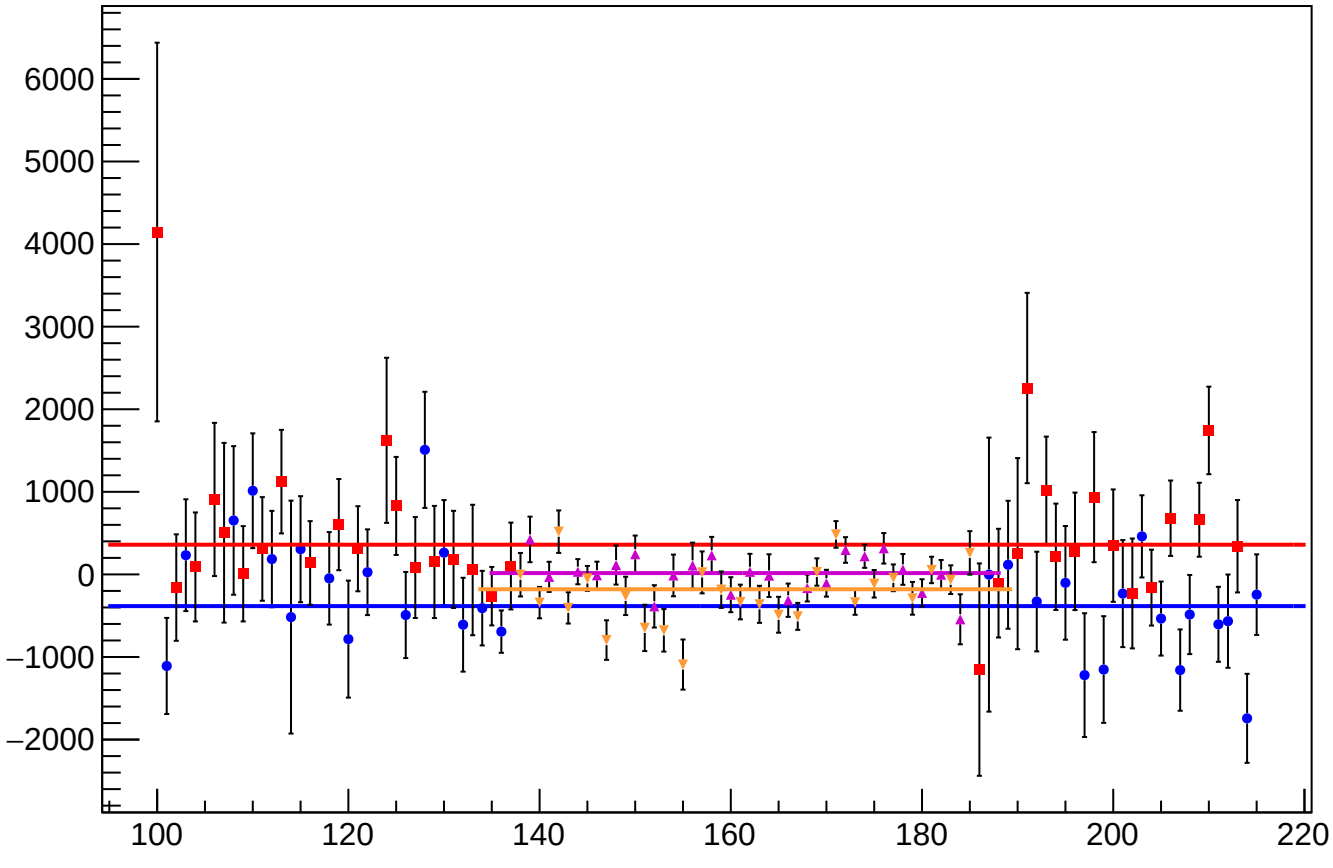
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 445.114+/-0.053 χ^2/NDF: 5866098.2/64

In: 207.252+/-0.027 χ^2/NDF:15504786.7/53

Out: 204.858+/-0.026 χ^2/NDF:16500133.6/58

All: 206.035+/-0.019 χ^2/NDF: 32008939.3/11



Right In: -383.906+/-99.428 χ^2/NDF: 36.7/30

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 359.814+/-105.895 χ^2/NDF: 28.3/33

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

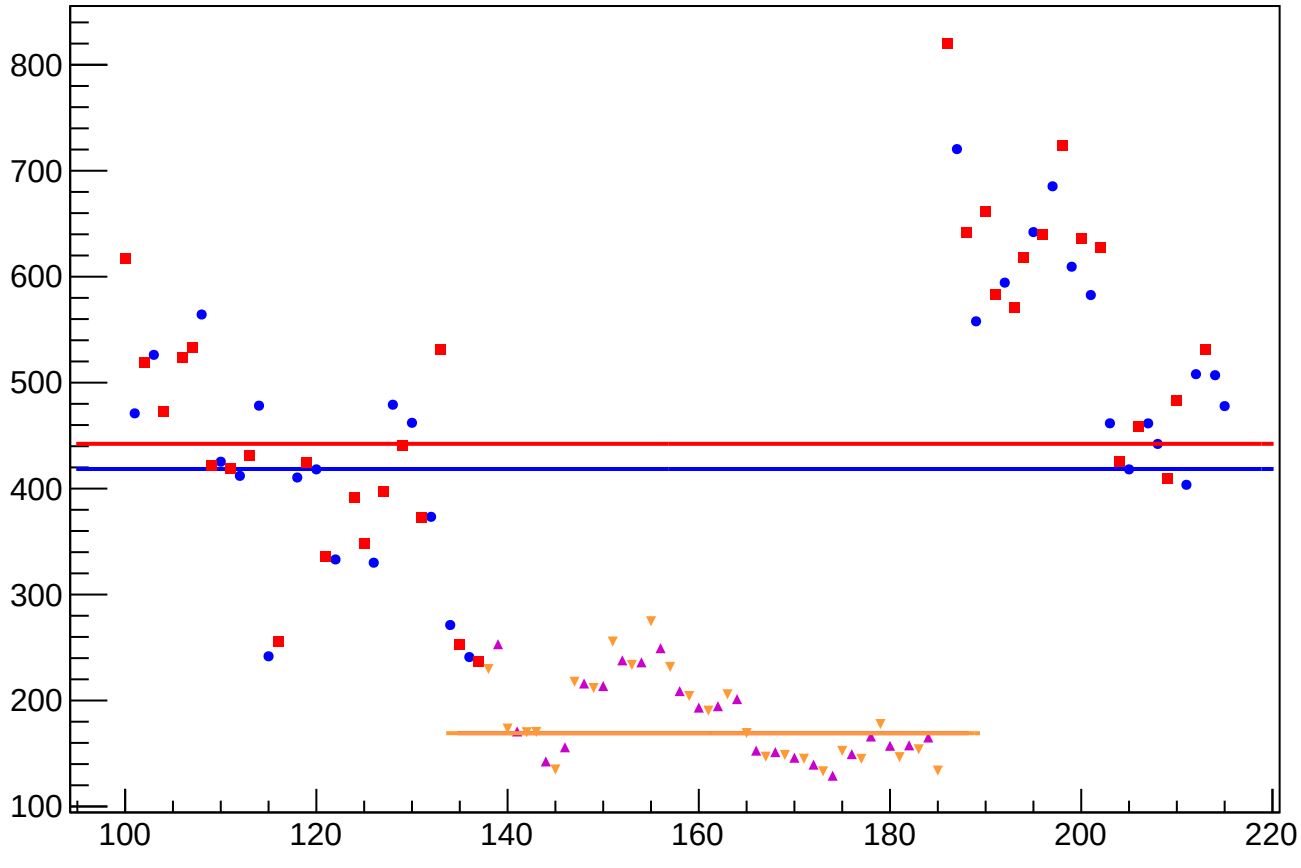
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -35.448+/-72.485 χ^2/NDF: 91.3/64

In: -40.610+/-37.425 χ^2/NDF:77.2/53

Out: -114.163+/-36.897 χ^2/NDF:118.2/58

All: -77.909+/-26.275 χ^2/NDF: 197.4/112



Right In: 418.508+/-0.070 χ^2/NDF: 2835013.1/30

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 442.266+/-0.075 χ^2/NDF: 2930862.1/33

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

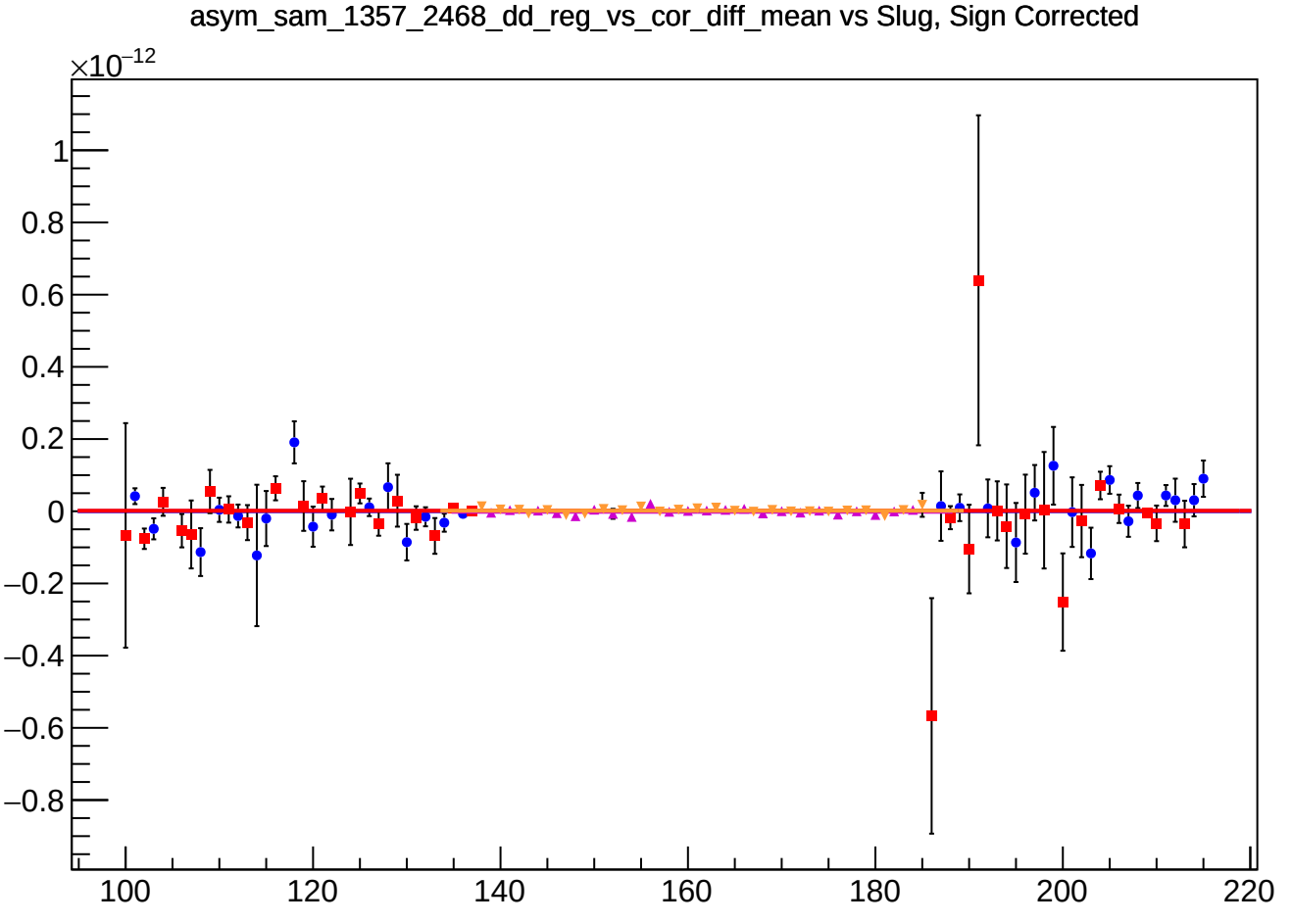
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

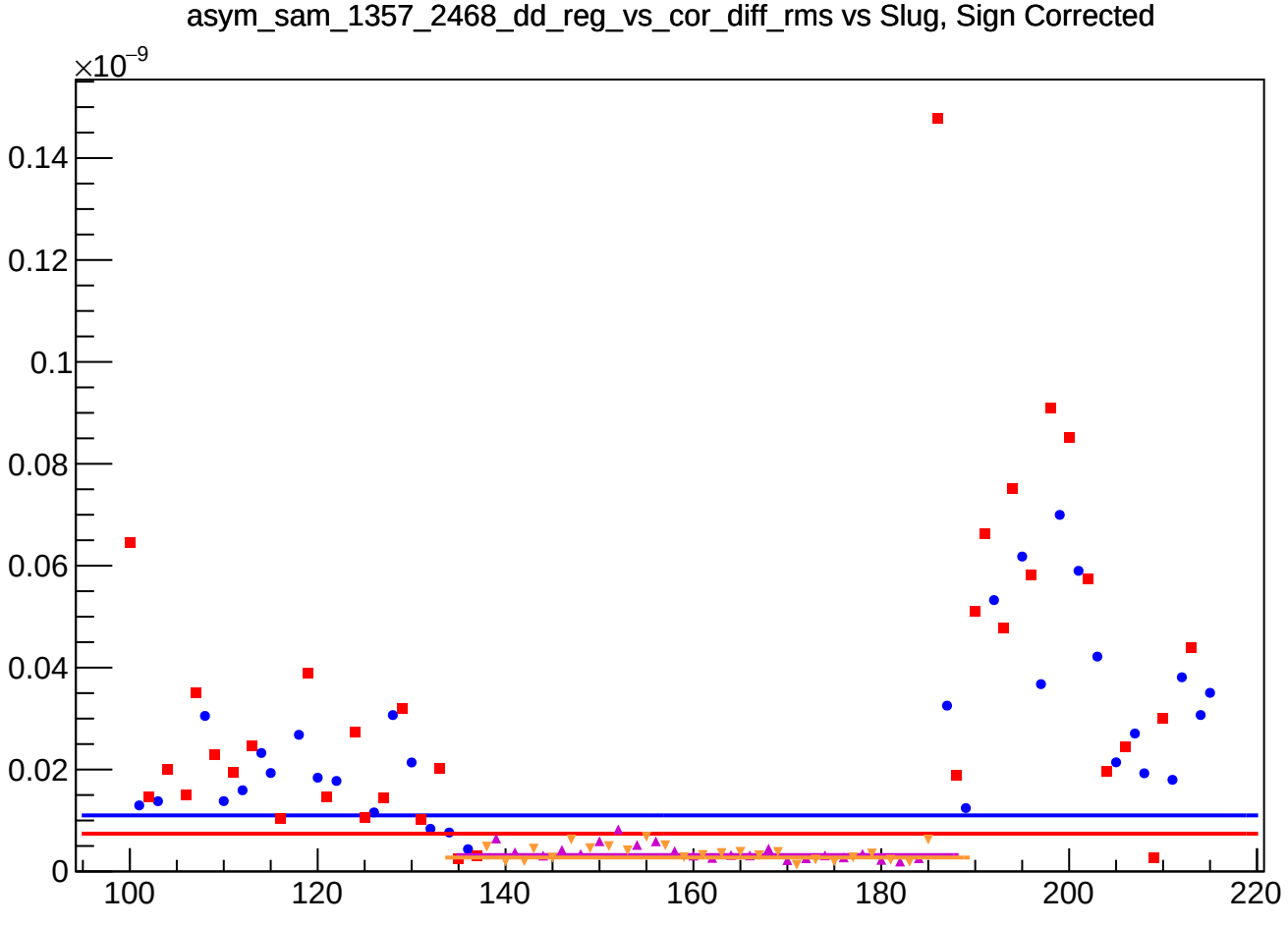
Right: 429.639+/-0.051 χ^2/NDF: 5819374.9/64

In: 204.511+/-0.026 χ^2/NDF:15003390.5/53

Out: 202.335+/-0.026 χ^2/NDF:16164485.5/58

All: 203.407+/-0.019 χ^2/NDF: 31171306.0/11


asym_sam_1357_2468_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: 47.0/30
Left Out: 0.000+/-0.000 χ²/NDF:18.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.7/33
Left In: -0.000+/-0.000 χ²/NDF:19.7/22
Left: 0.000+/-0.000 χ²/NDF: 41.2/47
Right: 0.000+/-0.000 χ²/NDF: 84.7/64
In: -0.000+/-0.000 χ²/NDF:66.7/53
Out: 0.000+/-0.000 χ²/NDF:56.5/58
All: 0.000+/-0.000 χ²/NDF: 125.9/112



Right In: 0.000+/-0.000 χ^2/NDF: 7216264.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9832361.0/33

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

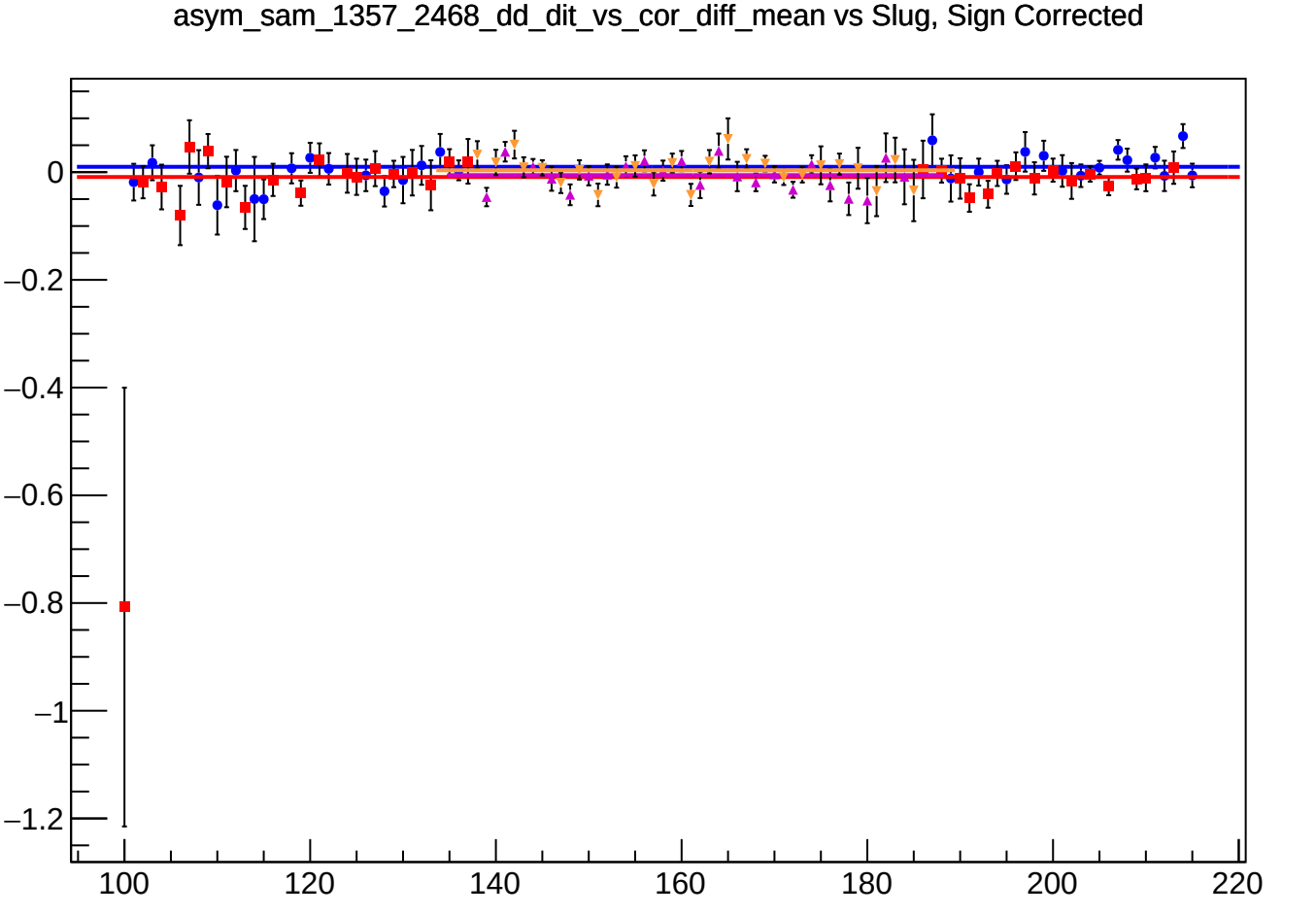
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17587880.5/64

In: 0.000+/-0.000 χ^2/NDF:12775312.1/53

Out: 0.000+/-0.000 χ^2/NDF:13737687.1/58

All: 0.000+/-0.000 χ^2/NDF: 26825786.2/112



Right In: 0.010+/-0.005 χ^2/NDF: 25.8/30

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 23.3/33

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

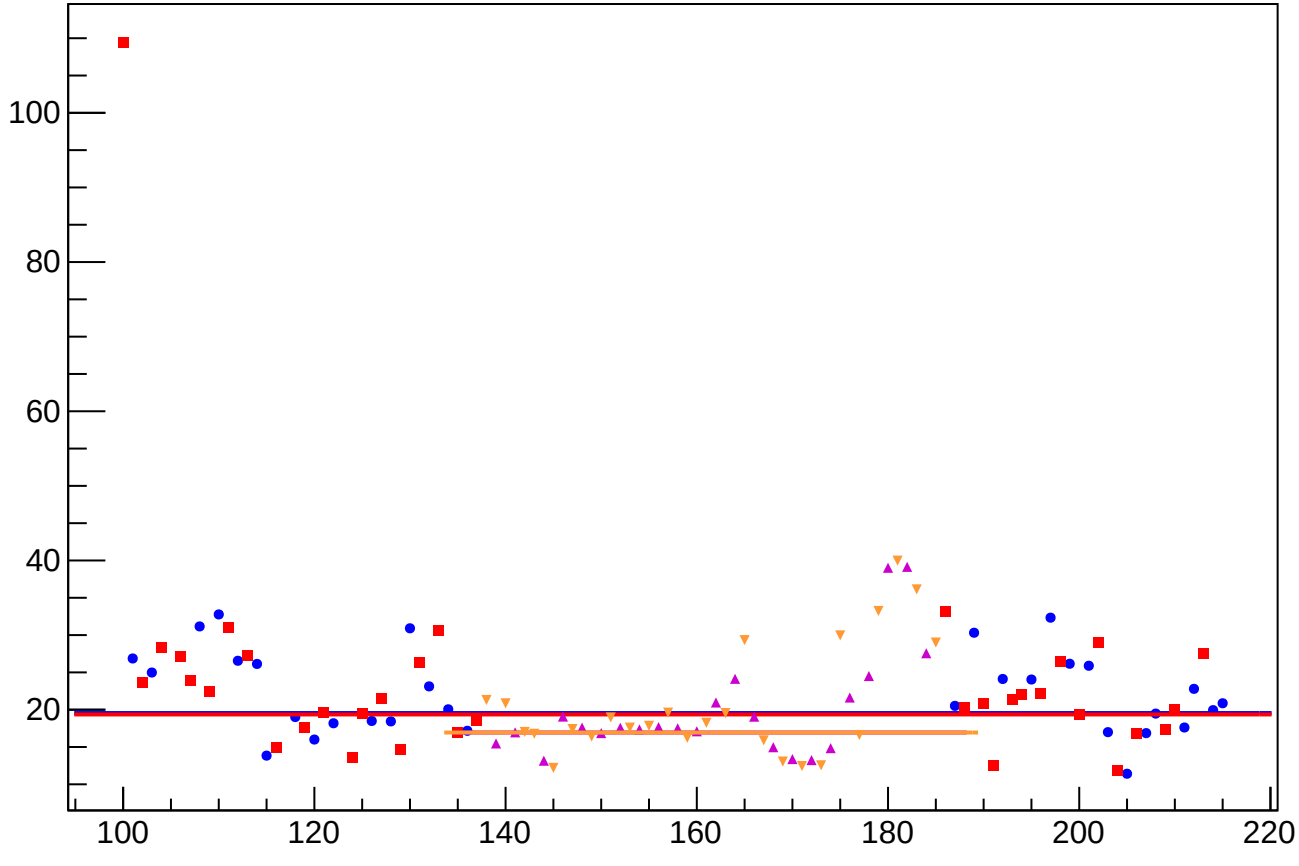
Right: 0.001+/-0.003 χ^2/NDF: 57.0/64

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.000+/-0.002 χ^2/NDF: 119.6/112

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.549+/-0.003 χ^2/NDF: 2355209.0/30

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.363+/-0.003 χ^2/NDF: 2286696.9/33

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

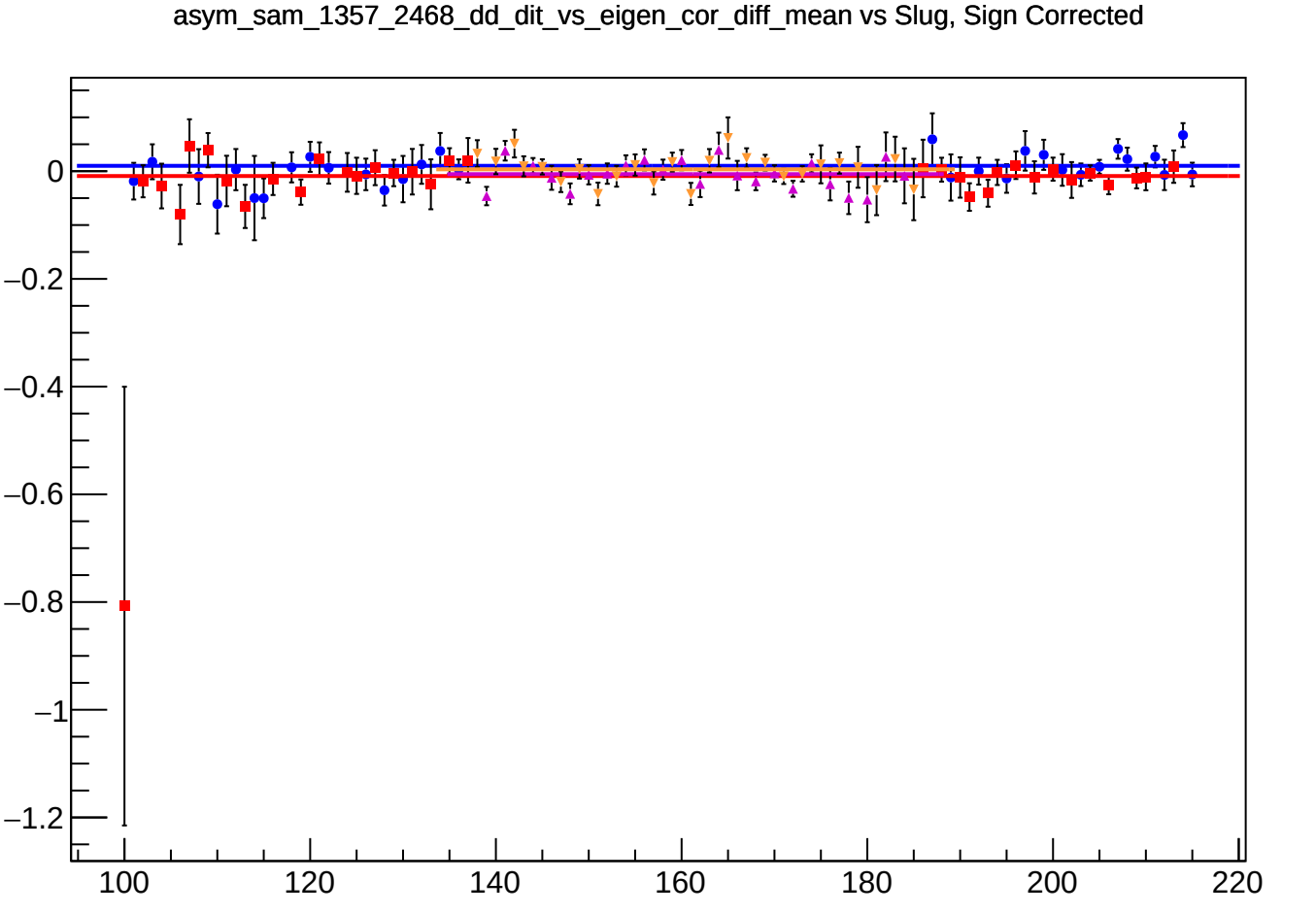
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.456+/-0.002 χ^2/NDF: 4643420.2/64

In: 18.078+/-0.002 χ^2/NDF:4633840.8/53

Out: 17.962+/-0.002 χ^2/NDF:5419896.6/58

All: 18.019+/-0.002 χ^2/NDF: 10055116.8/112



Right In: 0.010+/-0.005 χ^2/NDF: 25.8/30

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 23.3/33

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

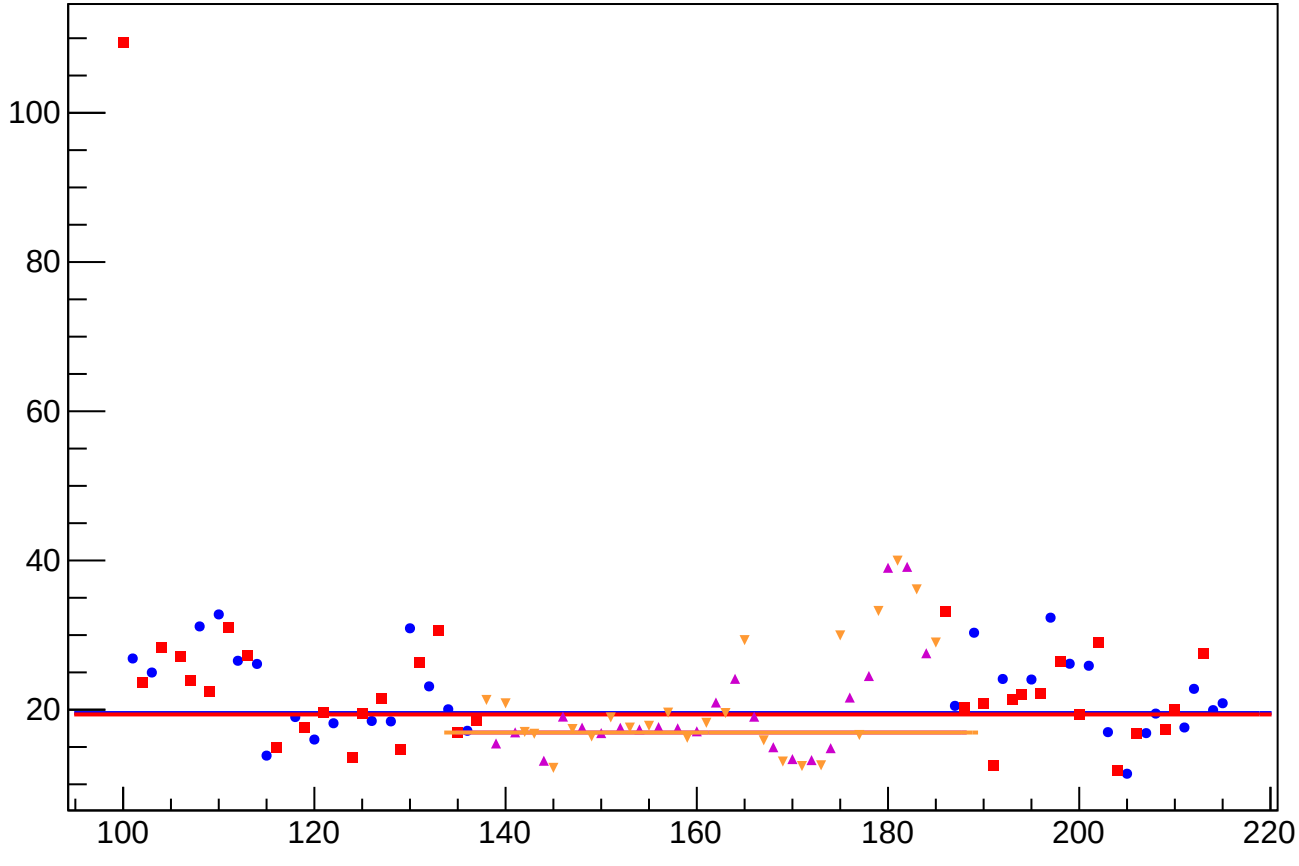
Right: 0.001+/-0.003 χ^2/NDF: 57.0/64

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.000+/-0.002 χ^2/NDF: 119.6/112

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.549+/-0.003 χ^2/NDF: 2355209.0/30

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.363+/-0.003 χ^2/NDF: 2286696.9/33

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

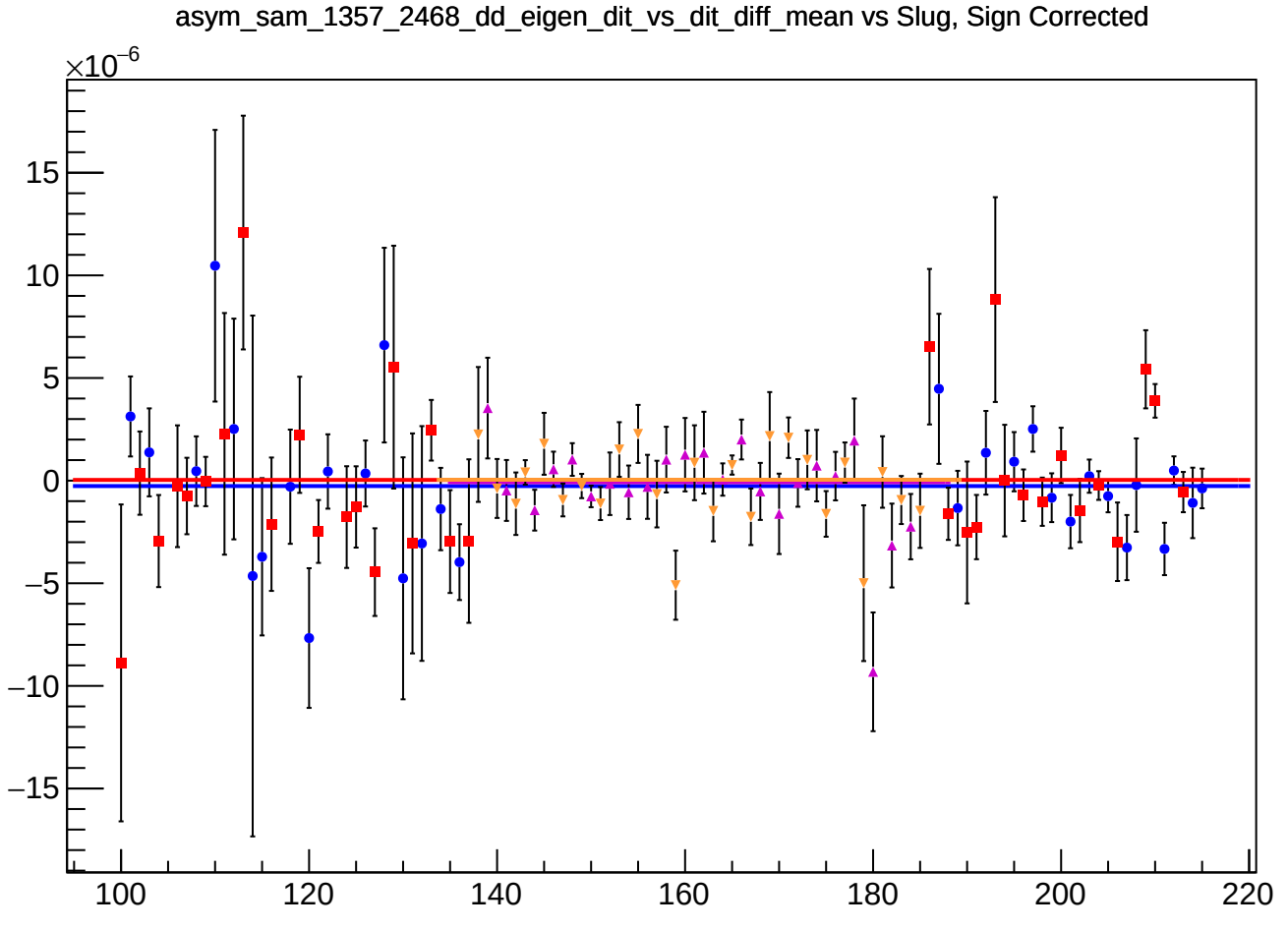
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.456+/-0.002 χ^2/NDF: 4643420.2/64

In: 18.078+/-0.002 χ^2/NDF:4633840.8/53

Out: 17.962+/-0.002 χ^2/NDF:5419896.6/58

All: 18.019+/-0.002 χ^2/NDF: 10055116.8/112



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 69.4/33

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

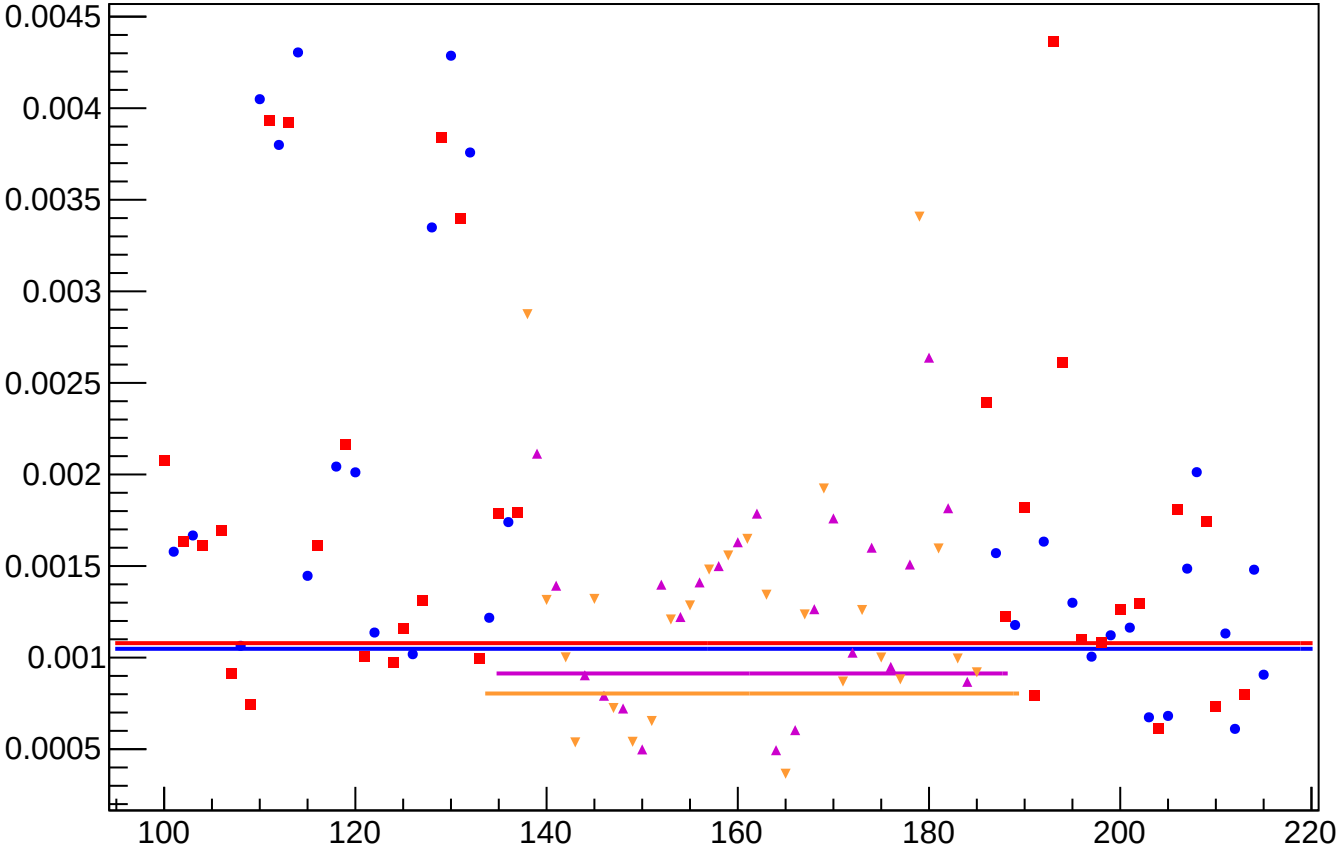
Right: -0.000+/-0.000 χ^2/NDF: 113.1/64

In: -0.000+/-0.000 χ^2/NDF:74.3/53

Out: 0.000+/-0.000 χ^2/NDF:106.6/58

All: -0.000+/-0.000 χ^2/NDF: 181.6/112

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6296213.1/30

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6886430.7/33

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

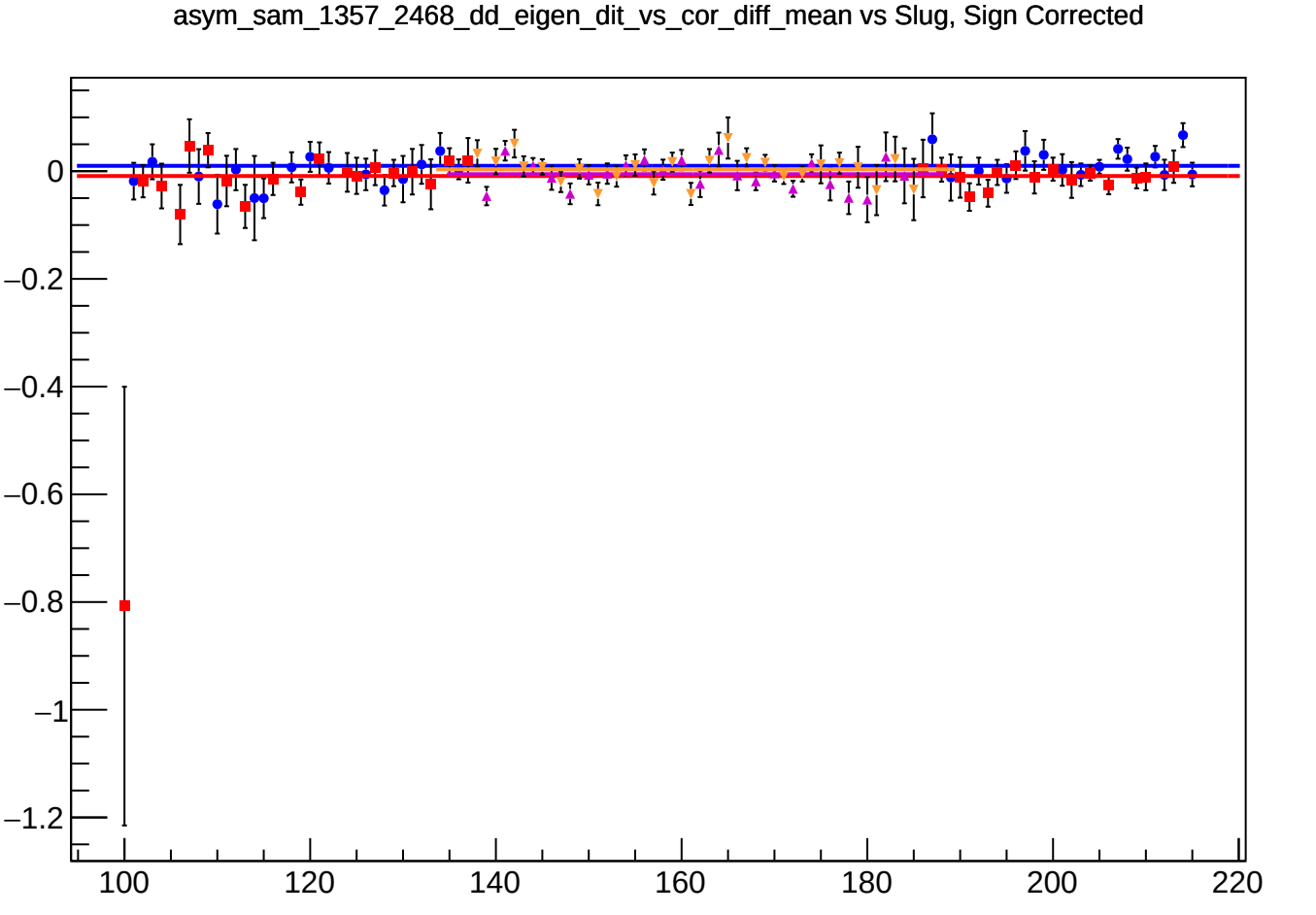
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 13195010.2/64

In: 0.001+/-0.000 χ^2/NDF:13014985.2/53

Out: 0.001+/-0.000 χ^2/NDF:16366886.2/58

All: 0.001+/-0.000 χ^2/NDF: 29554650.0/112



Right In: 0.010+/-0.005 χ^2/NDF: 25.8/30

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 23.3/33

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

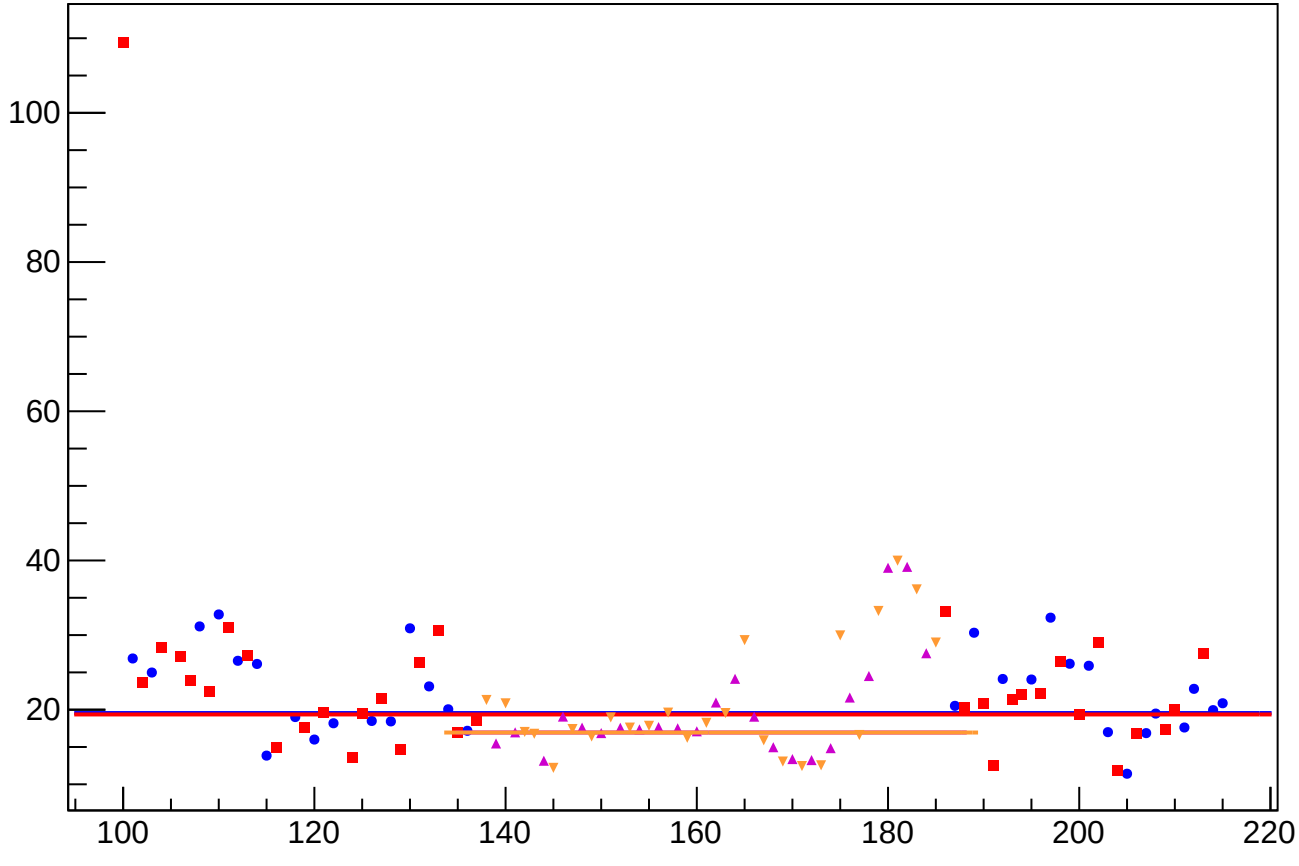
Right: 0.001+/-0.003 χ^2/NDF: 57.0/64

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.000+/-0.002 χ^2/NDF: 119.6/112

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.549+/-0.003 χ^2/NDF: 2355228.6/30

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.363+/-0.003 χ^2/NDF: 2286698.1/33

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

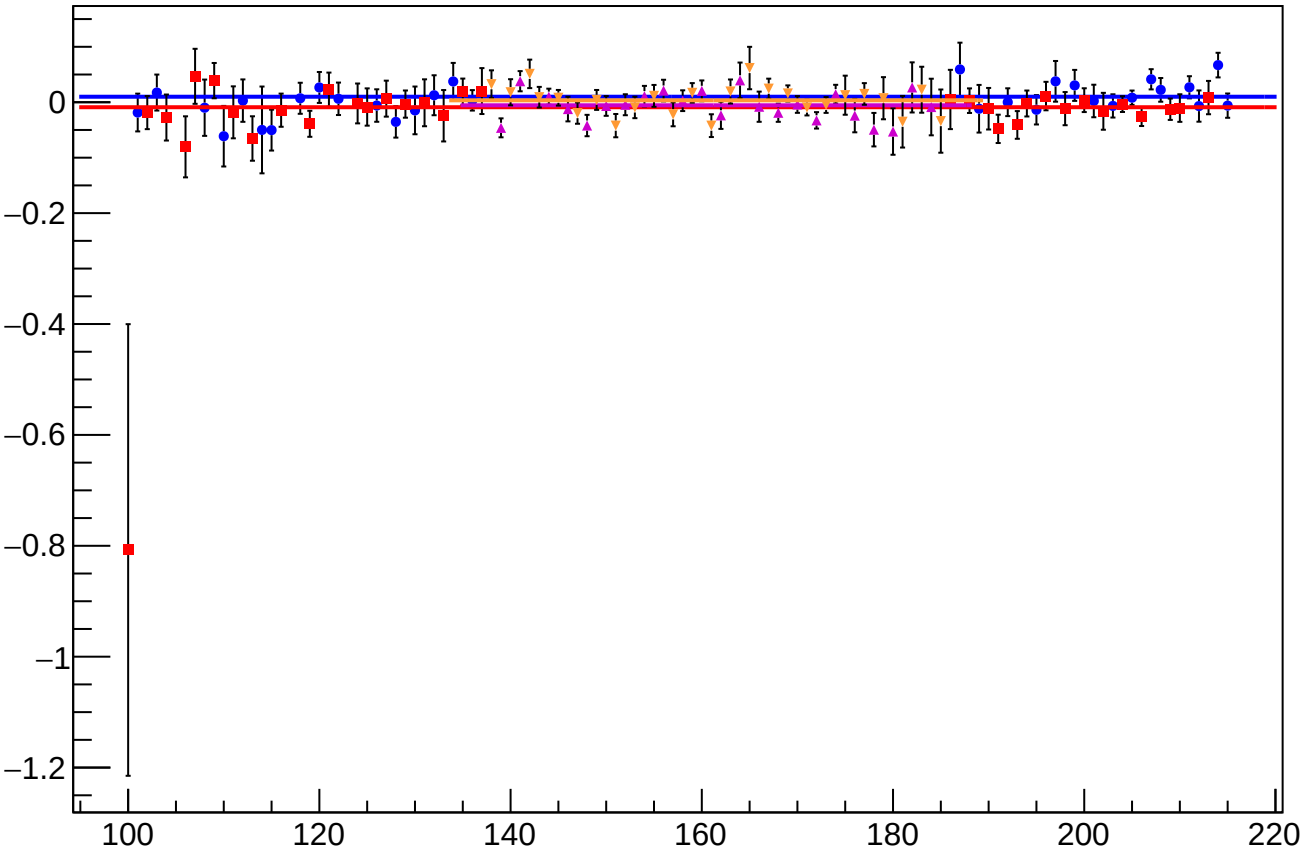
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.456+/-0.002 χ^2/NDF: 4643439.3/64

In: 18.078+/-0.002 χ^2/NDF:4633765.0/53

Out: 17.962+/-0.002 χ^2/NDF:5419810.2/58

All: 18.019+/-0.002 χ^2/NDF: 10054952.7/112



Right In: 0.010+/-0.005 χ^2/NDF: 25.8/30

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 23.3/33

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

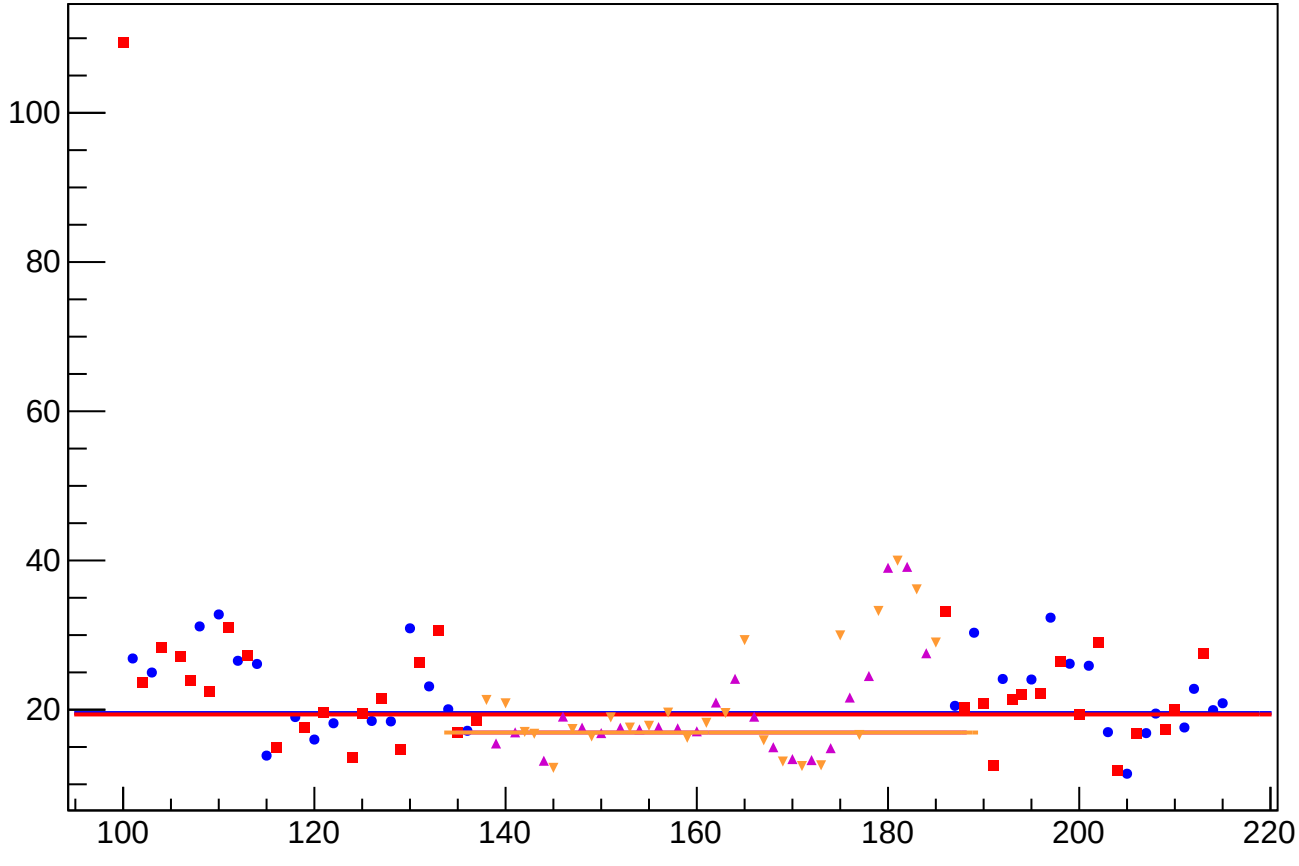
Right: 0.001+/-0.003 χ^2/NDF: 57.0/64

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.002+/-0.003 χ^2/NDF:54.1/58

All: -0.000+/-0.002 χ^2/NDF: 119.6/112

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.549+/-0.003 χ^2/NDF: 2355228.6/30

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.363+/-0.003 χ^2/NDF: 2286698.1/33

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

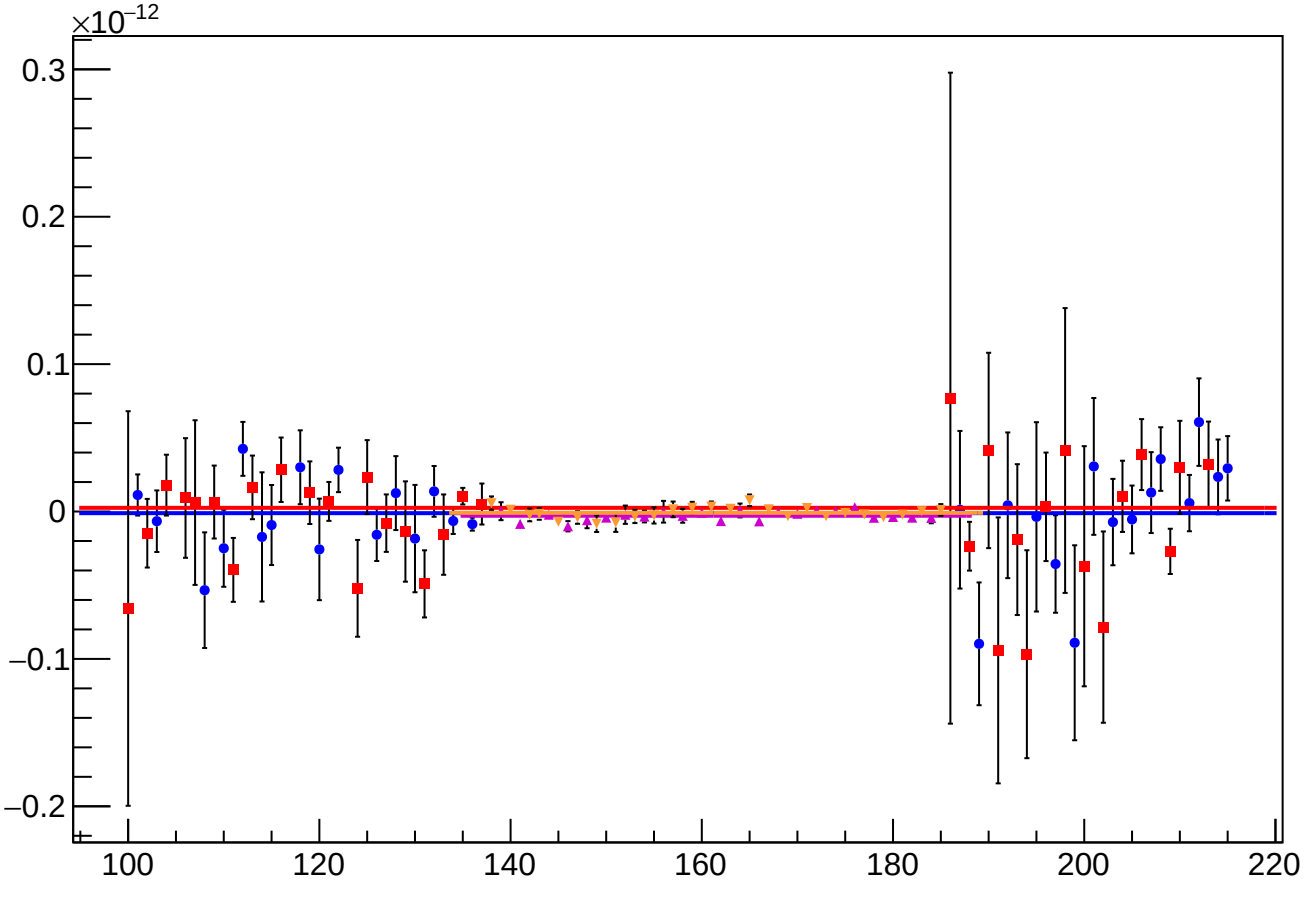
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.456+/-0.002 χ^2/NDF: 4643439.3/64

In: 18.078+/-0.002 χ^2/NDF:4633765.0/53

Out: 17.962+/-0.002 χ^2/NDF:5419810.2/58

All: 18.019+/-0.002 χ^2/NDF: 10054952.7/112



Right In: -0.000+/-0.000 χ^2/NDF: 38.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/33

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

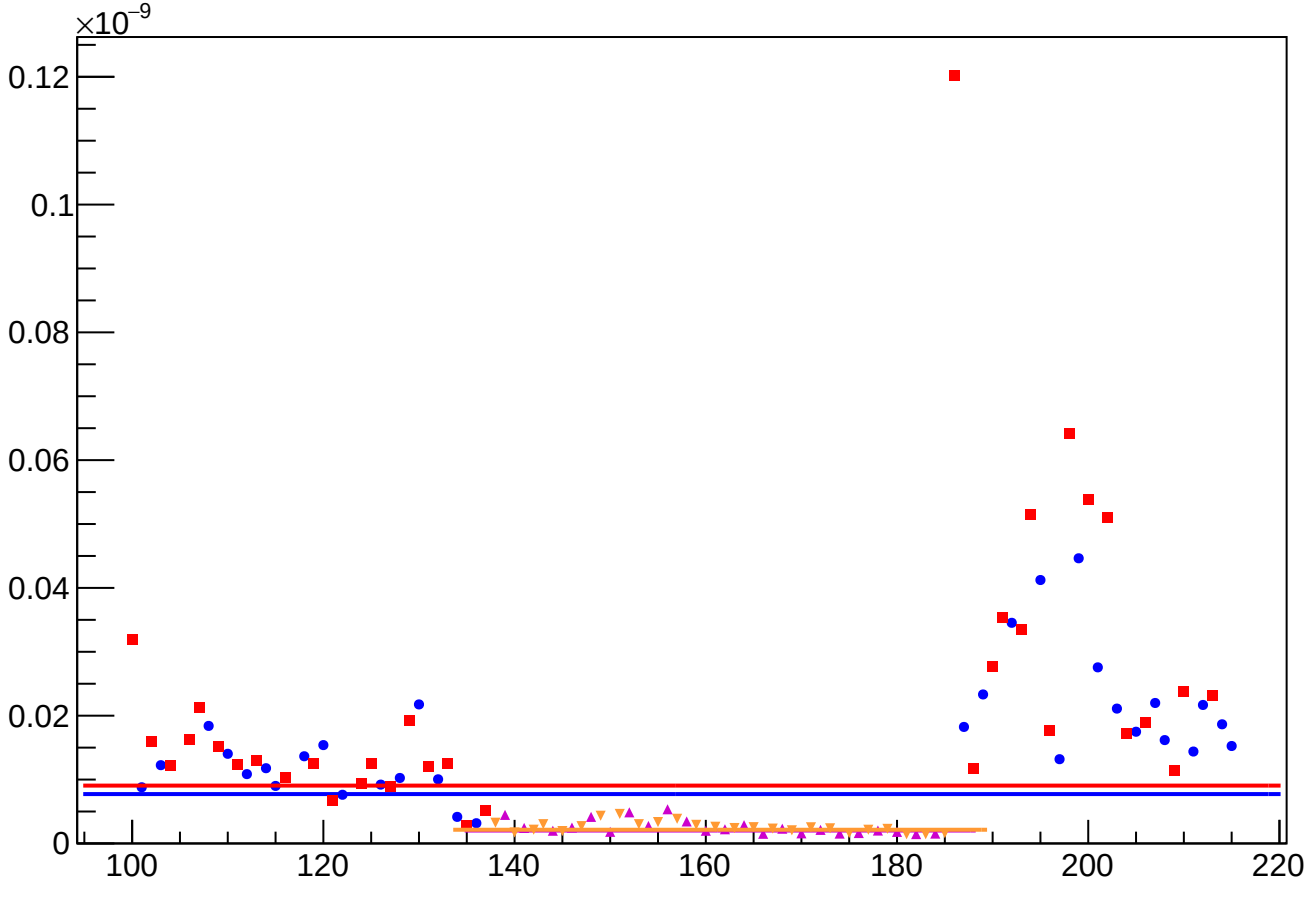
Right: 0.000+/-0.000 χ^2/NDF: 74.3/64

In: -0.000+/-0.000 χ^2/NDF:62.2/53

Out: -0.000+/-0.000 χ^2/NDF:59.4/58

All: -0.000+/-0.000 χ^2/NDF: 126.9/112

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8940773.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9455764.3/33

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

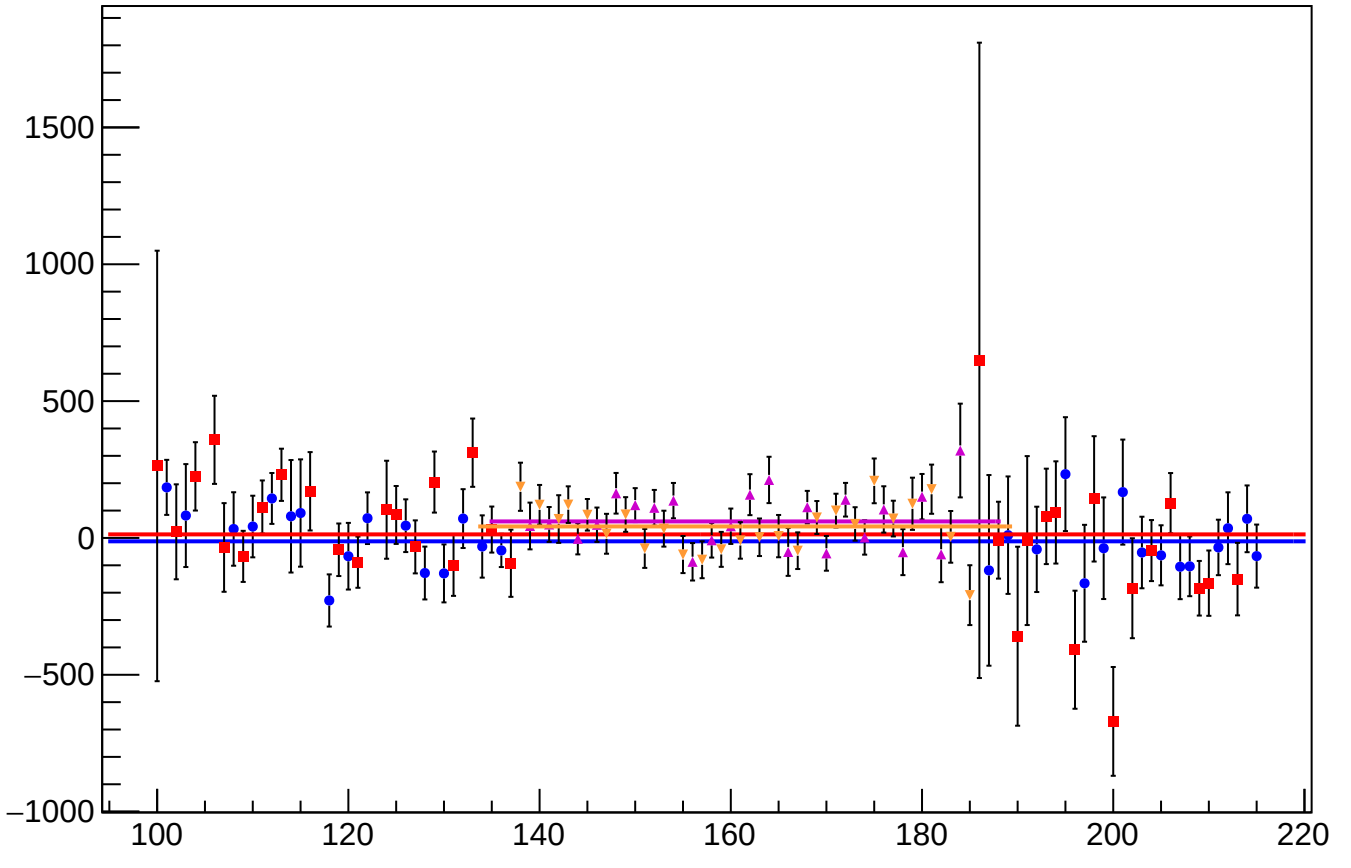
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 18563791.3/64

In: 0.000+/-0.000 χ^2/NDF:18271952.8/53

Out: 0.000+/-0.000 χ^2/NDF:19277434.9/58

All: 0.000+/-0.000 χ^2/NDF: 37576948.2/112



Right In: -12.357+/-21.214 χ^2/NDF: 23.3/30

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 13.023+/-22.054 χ^2/NDF: 56.9/33

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

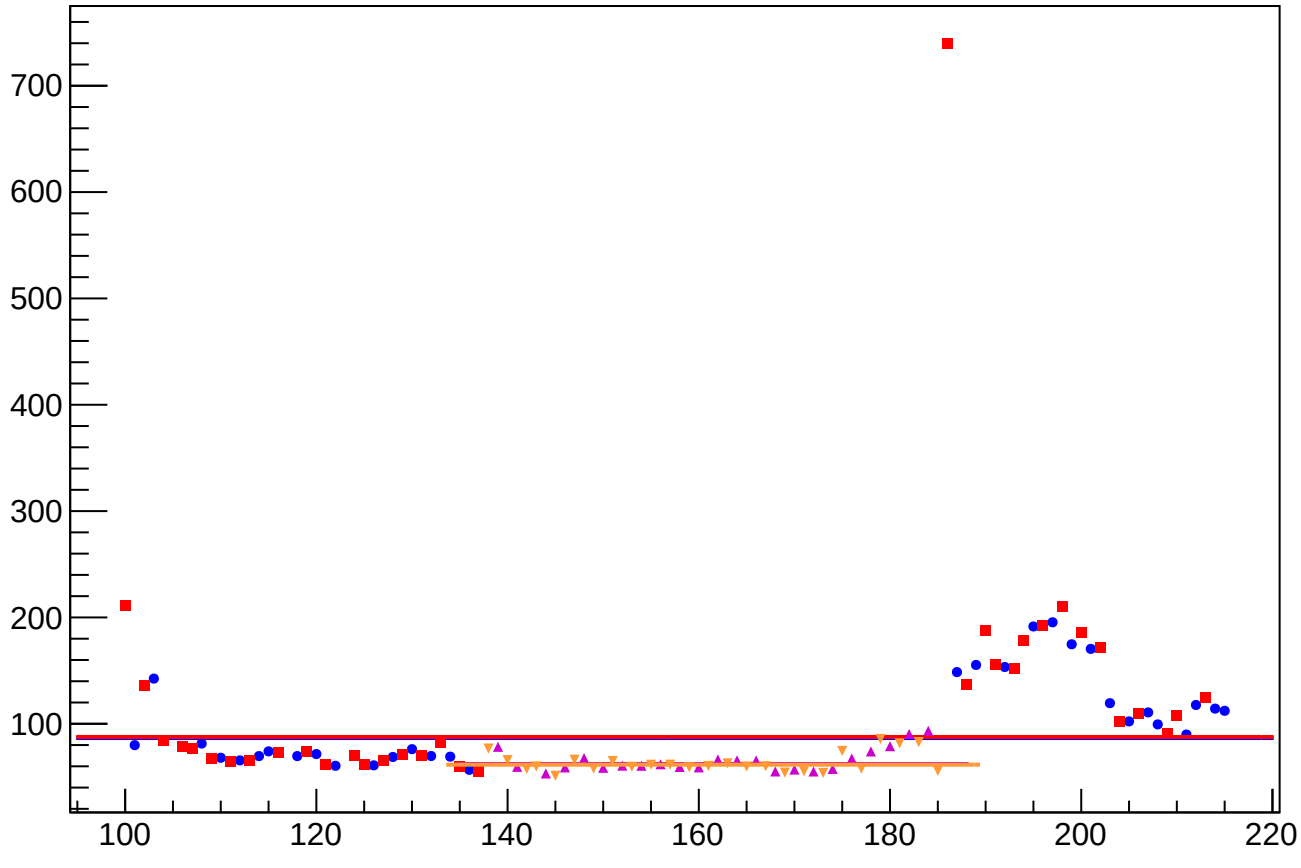
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -0.160+/-15.289 χ^2/NDF: 80.8/64

In: 36.751+/-12.090 χ^2/NDF:63.4/53

Out: 33.532+/-11.928 χ^2/NDF:90.1/58

All: 35.120+/-8.491 χ^2/NDF: 153.5/112



Right In: 86.585+/-0.015 χ^2/NDF: 4513418.6/30

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 87.598+/-0.016 χ^2/NDF: 5640523.5/33

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

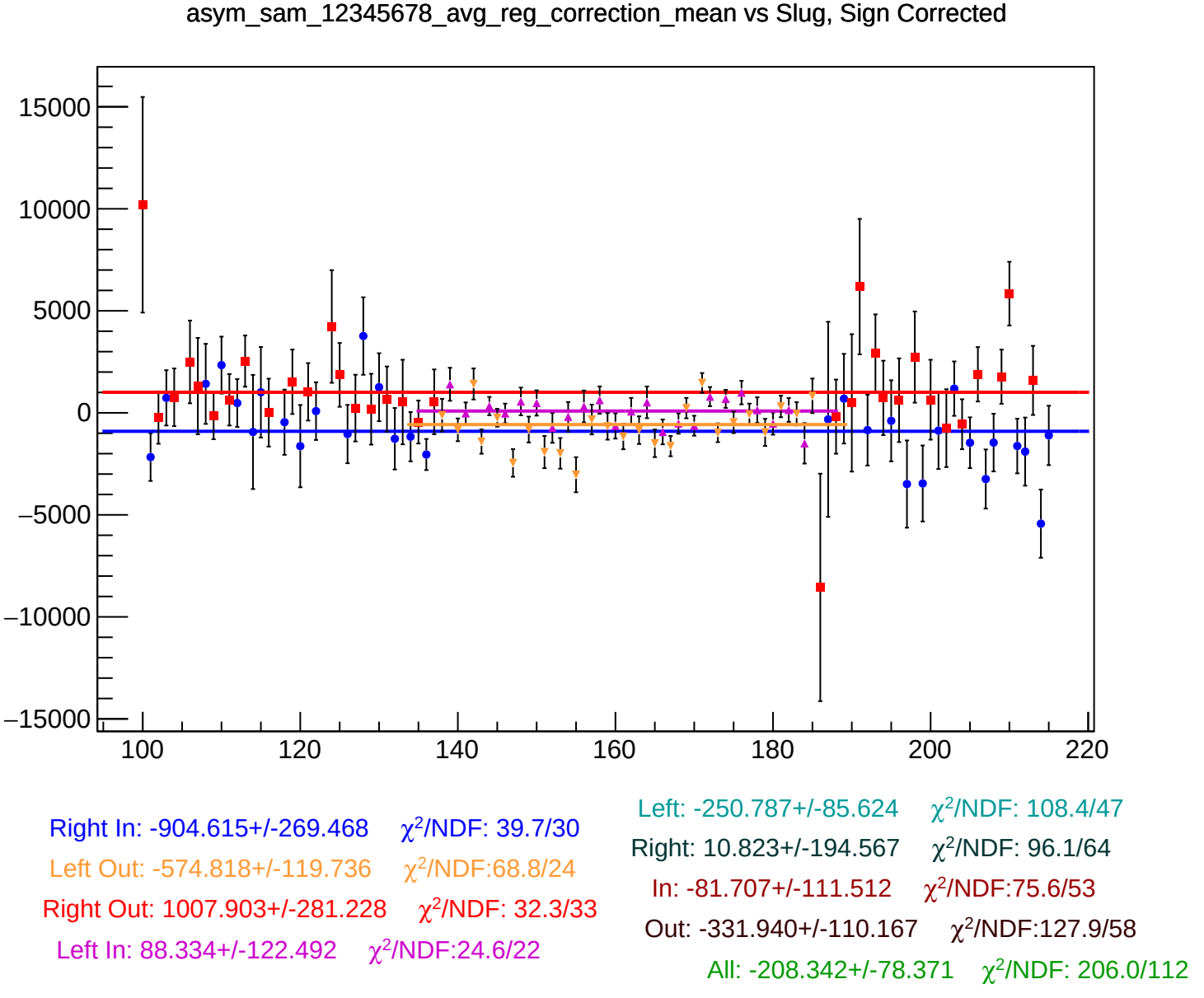
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 87.072+/-0.011 χ^2/NDF: 10156135.8/64

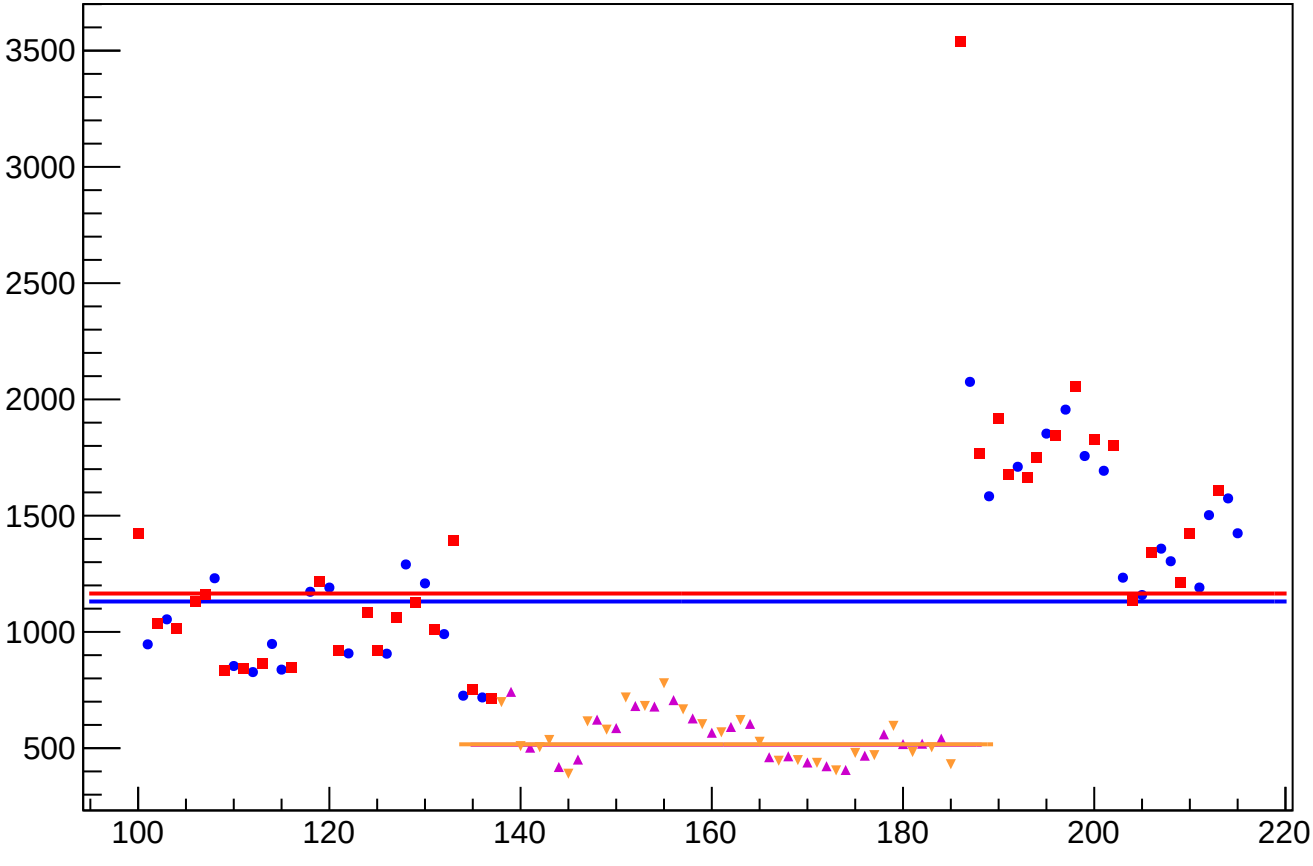
In: 70.083+/-0.009 χ^2/NDF:6902605.0/53

Out: 69.165+/-0.008 χ^2/NDF:8253158.1/58

All: 69.618+/-0.006 χ^2/NDF: 15161602.6/112


asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -904.615+/-269.468 χ²/NDF: 39.7/30
Left Out: -574.818+/-119.736 χ²/NDF:68.8/24
Right Out: 1007.903+/-281.228 χ²/NDF: 32.3/33
Left In: 88.334+/-122.492 χ²/NDF:24.6/22
Left: -250.787+/-85.624 χ²/NDF: 108.4/47
Right: 10.823+/-194.567 χ²/NDF: 96.1/64
In: -81.707+/-111.512 χ²/NDF:75.6/53
Out: -331.940+/-110.167 χ²/NDF:127.9/58
All: -208.342+/-78.371 χ²/NDF: 206.0/112

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1130.868+/-0.191 χ^2/NDF: 3035251.7/30

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1165.126+/-0.199 χ^2/NDF: 3465229.7/33

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

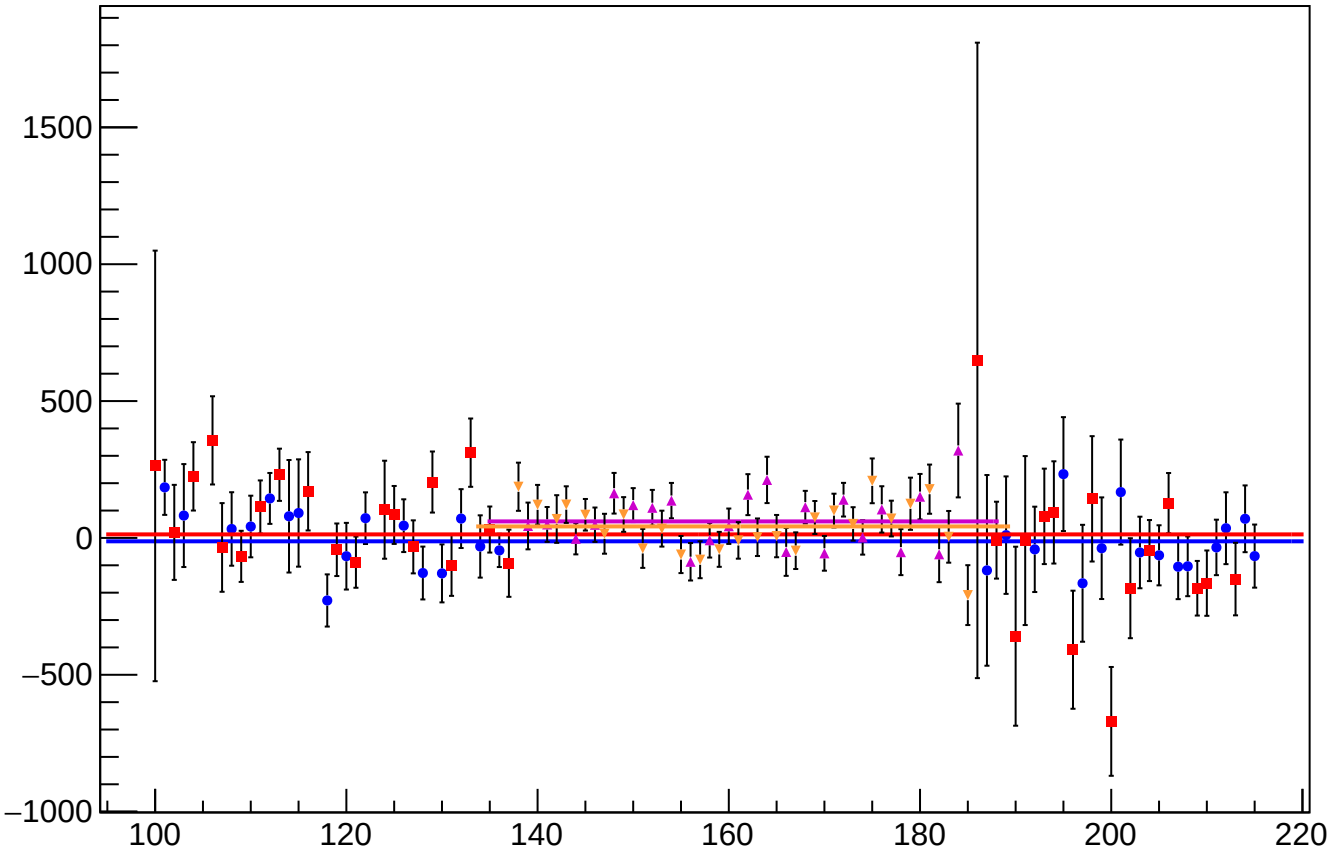
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1147.266+/-0.138 χ^2/NDF: 6515954.0/64

In: 620.285+/-0.079 χ^2/NDF:12819766.4/53

Out: 616.150+/-0.078 χ^2/NDF:13733032.5/58

All: 618.192+/-0.055 χ^2/NDF: 26554190.5/1



Right In: -12.364+/-21.214 χ^2/NDF: 23.3/30

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 12.937+/-22.055 χ^2/NDF: 56.8/33

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

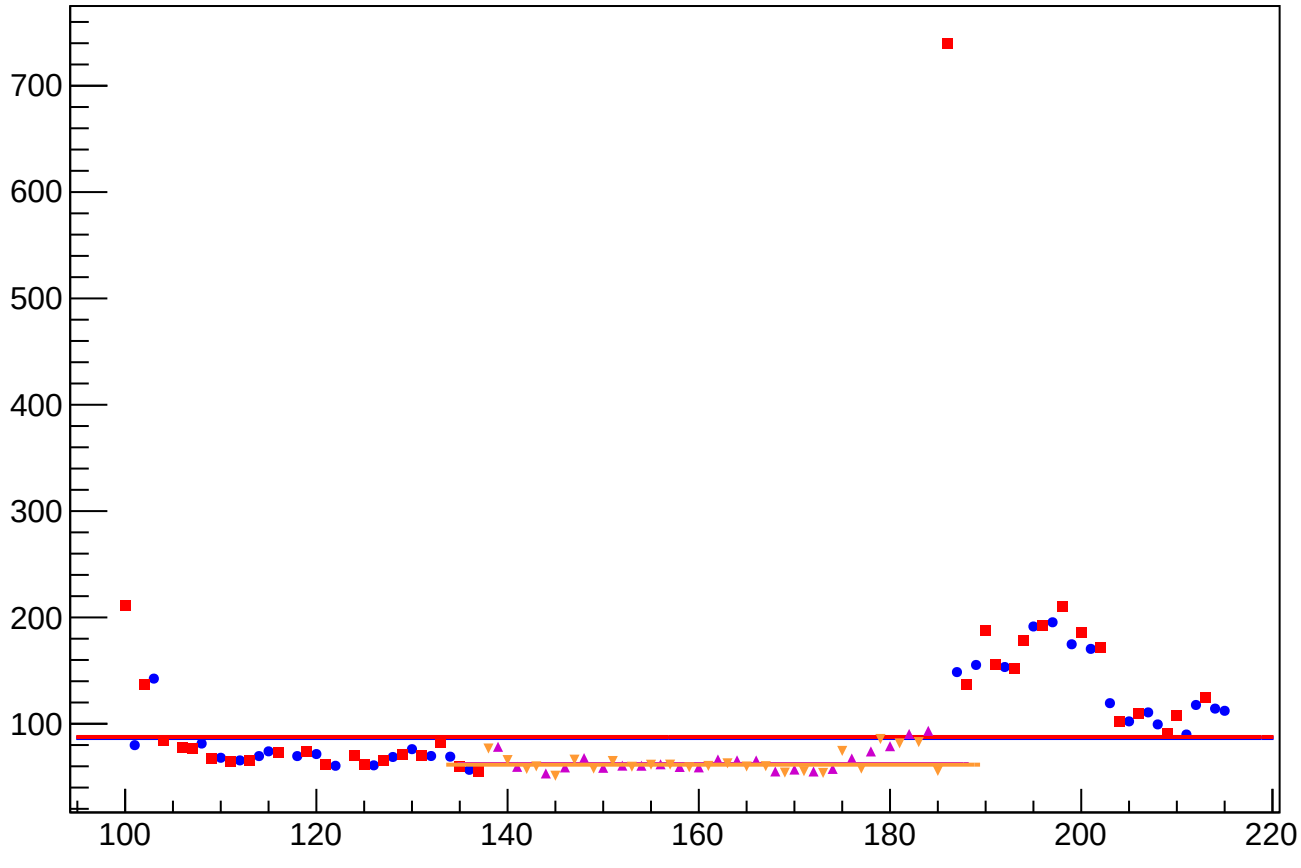
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -0.205+/-15.289 χ^2/NDF: 80.7/64

In: 36.749+/-12.090 χ^2/NDF:63.4/53

Out: 33.511+/-11.928 χ^2/NDF:90.0/58

All: 35.108+/-8.491 χ^2/NDF: 153.5/112



Right In: 86.585+/-0.015 χ^2/NDF: 4513421.7/30

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 87.586+/-0.016 χ^2/NDF: 5641823.3/33

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

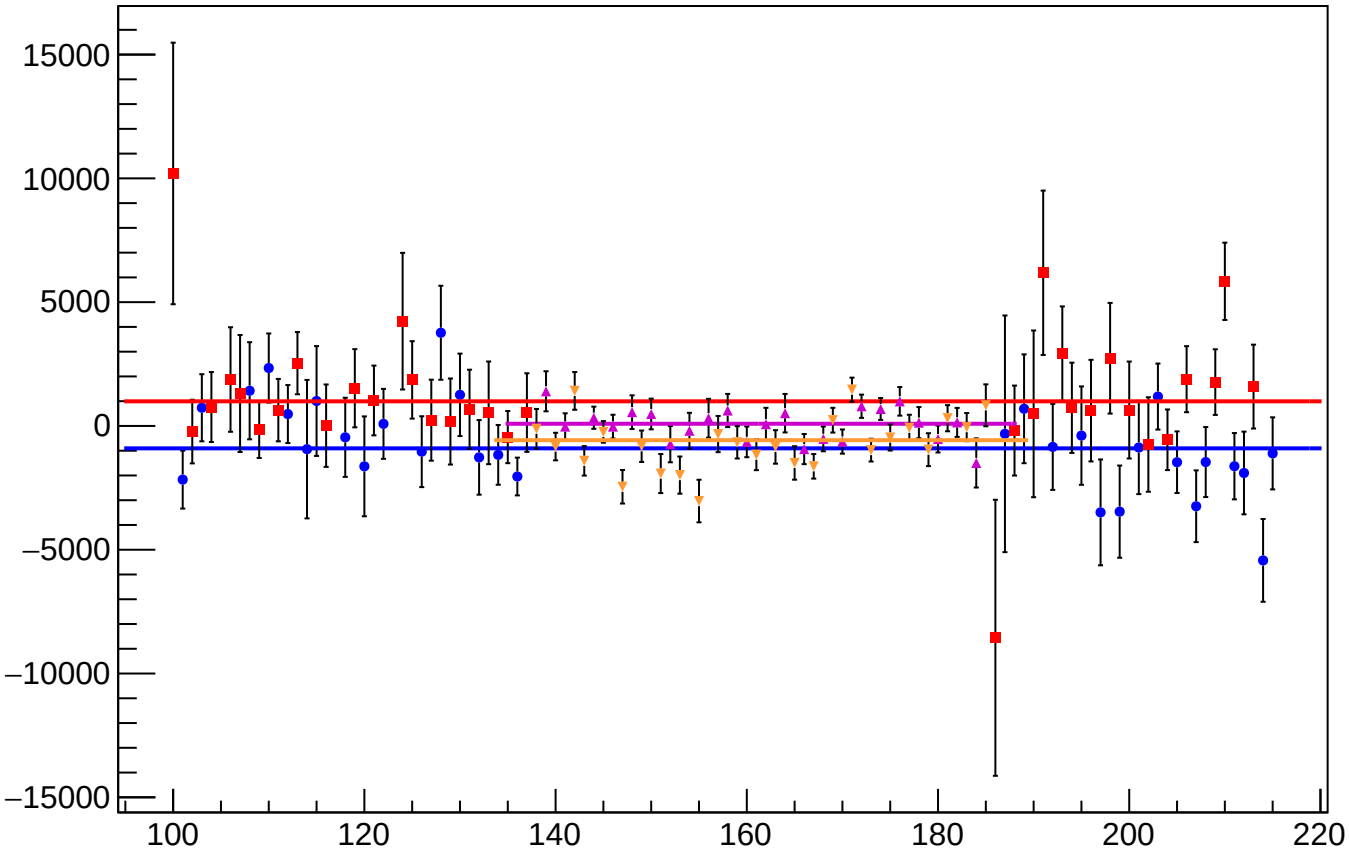
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 87.066+/-0.011 χ^2/NDF: 10157385.1/64

In: 70.083+/-0.009 χ^2/NDF:6902608.1/53

Out: 69.161+/-0.008 χ^2/NDF:8252493.7/58

All: 69.616+/-0.006 χ^2/NDF: 15160991.5/112



Right In: -904.600+/-269.469 χ^2/NDF: 39.7/30

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 995.005+/-281.448 χ^2/NDF: 31.9/33

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

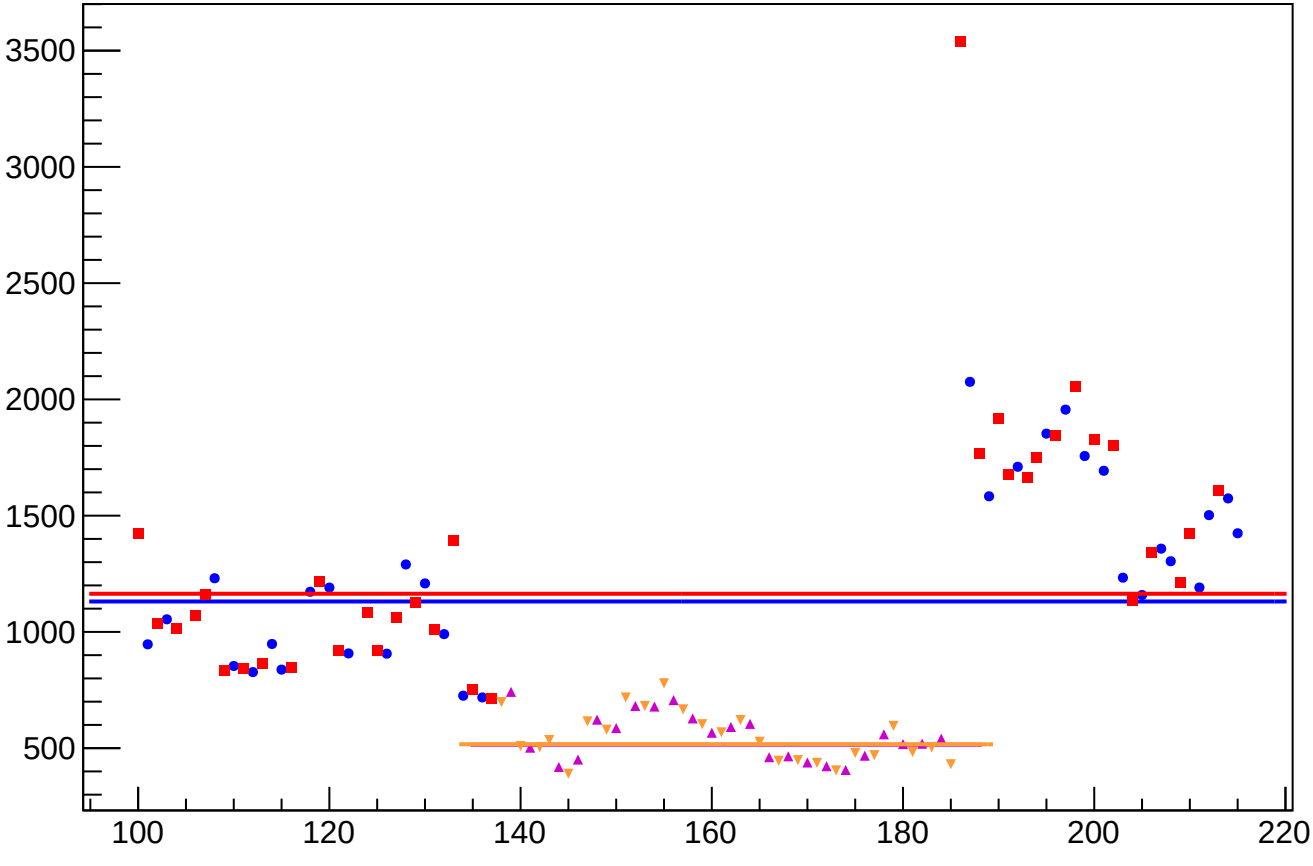
Right: 3.918+/-194.641 χ^2/NDF: 95.4/64

In: -81.704+/-111.512 χ^2/NDF:75.6/53

Out: -334.232+/-110.180 χ^2/NDF:127.0/58

All: -209.486+/-78.376 χ^2/NDF: 205.2/112

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1130.871+/-0.191 χ^2/NDF: 3035242.0/30

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1164.107+/-0.199 χ^2/NDF: 3468512.5/33

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

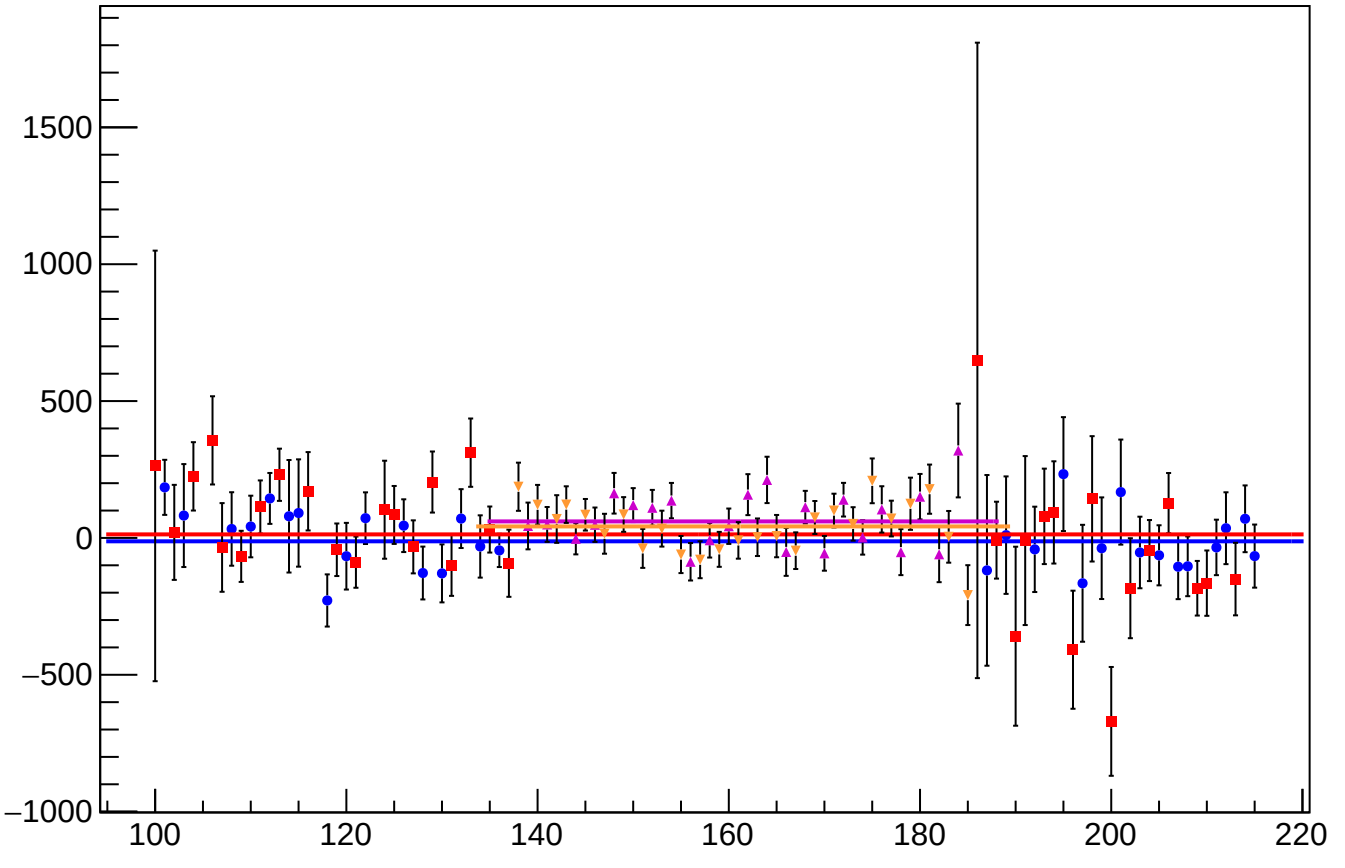
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1146.767+/-0.138 χ^2/NDF: 6518305.4/64

In: 620.285+/-0.079 χ^2/NDF:12819807.7/53

Out: 615.862+/-0.078 χ^2/NDF:13696176.6/58

All: 618.047+/-0.055 χ^2/NDF: 26517576.5/1



Right In: -12.364+/-21.214 χ^2/NDF: 23.3/30

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 12.937+/-22.055 χ^2/NDF: 56.8/33

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

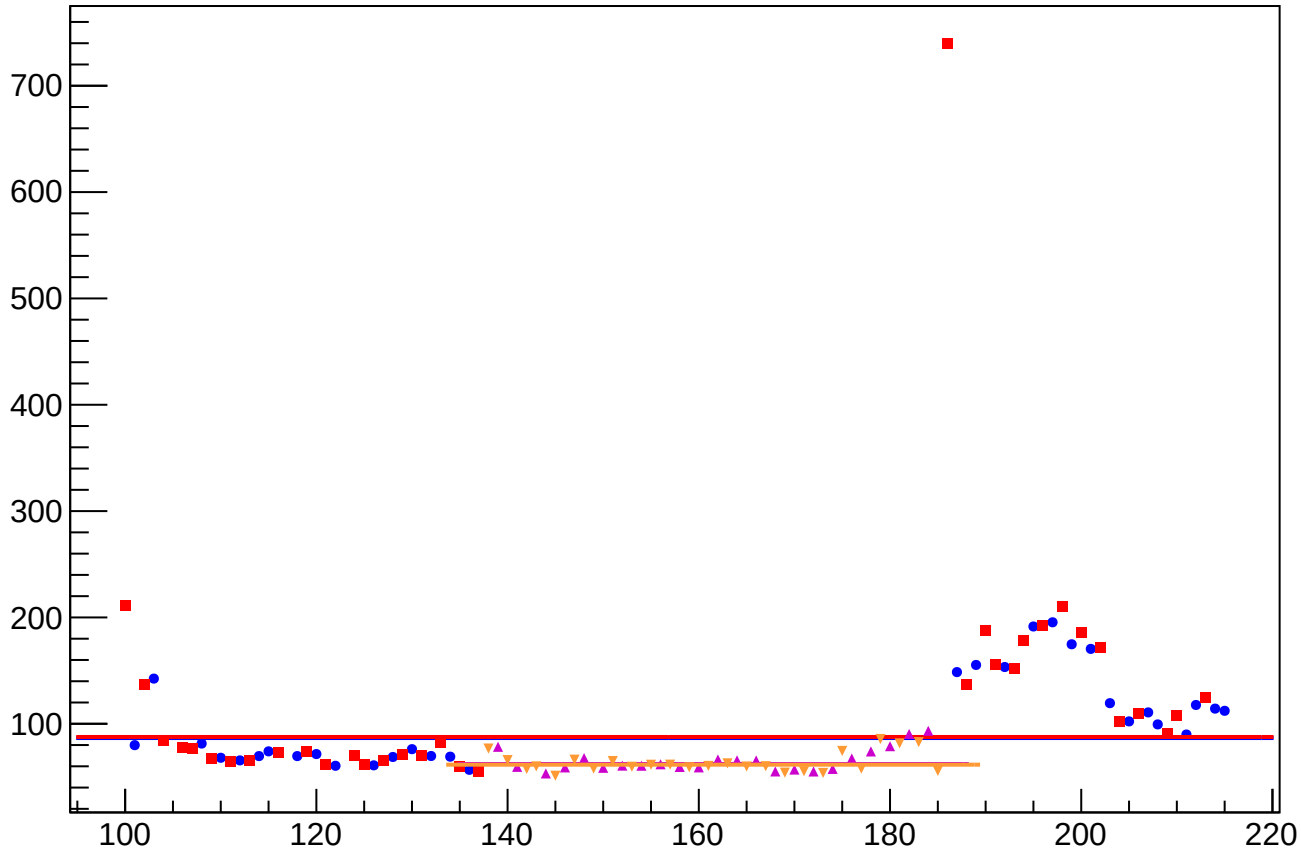
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -0.205+/-15.289 χ^2/NDF: 80.7/64

In: 36.749+/-12.090 χ^2/NDF:63.4/53

Out: 33.511+/-11.928 χ^2/NDF:90.0/58

All: 35.108+/-8.491 χ^2/NDF: 153.5/112



Right In: 86.585+/-0.015 χ^2/NDF: 4513421.7/30

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 87.586+/-0.016 χ^2/NDF: 5641823.3/33

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

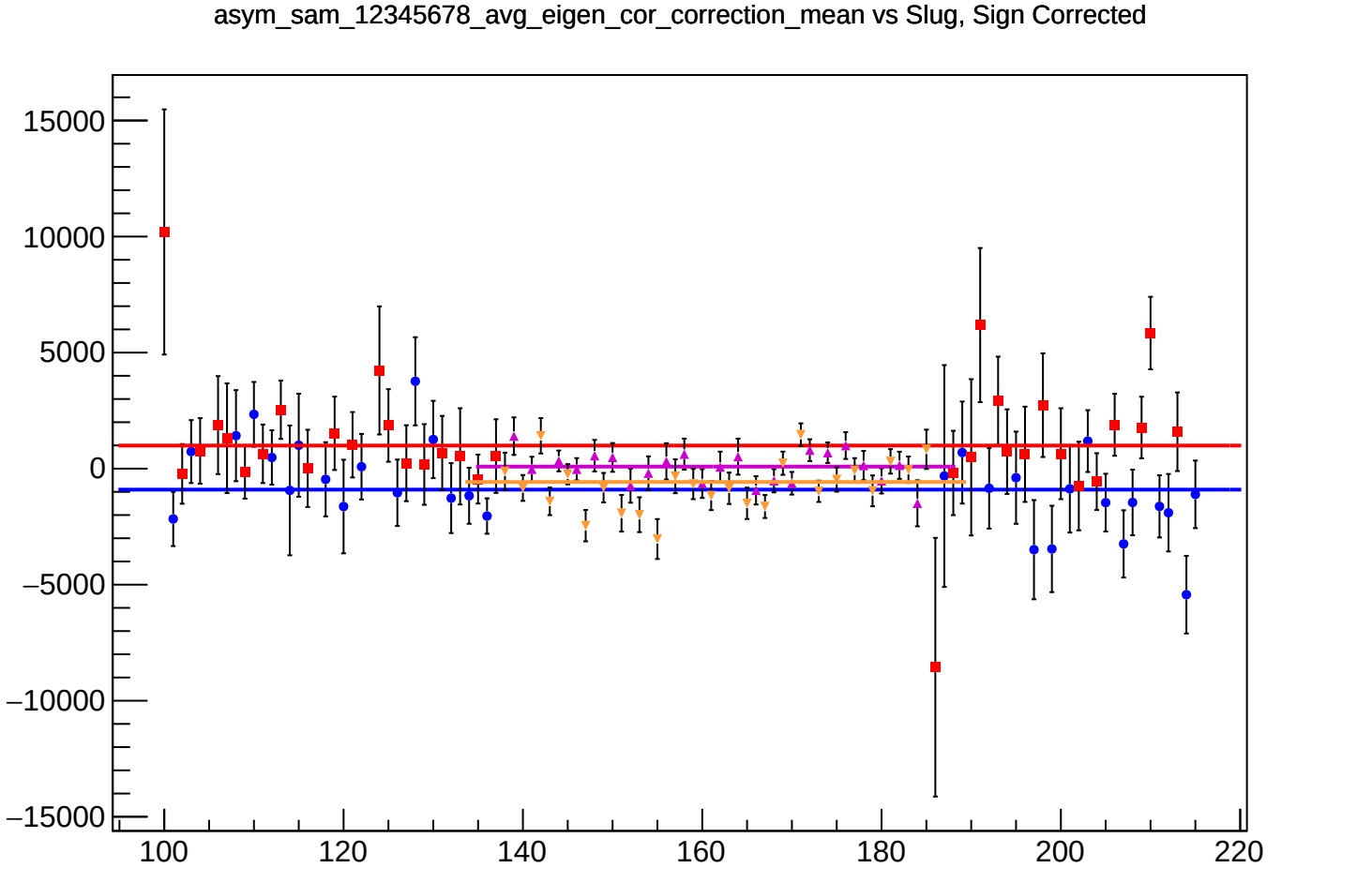
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 87.066+/-0.011 χ^2/NDF: 10157385.1/64

In: 70.083+/-0.009 χ^2/NDF:6902608.1/53

Out: 69.161+/-0.008 χ^2/NDF:8252493.7/58

All: 69.616+/-0.006 χ^2/NDF: 15160991.5/112



Right In: -904.600+/-269.469 χ^2/NDF: 39.7/30

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 995.005+/-281.448 χ^2/NDF: 31.9/33

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

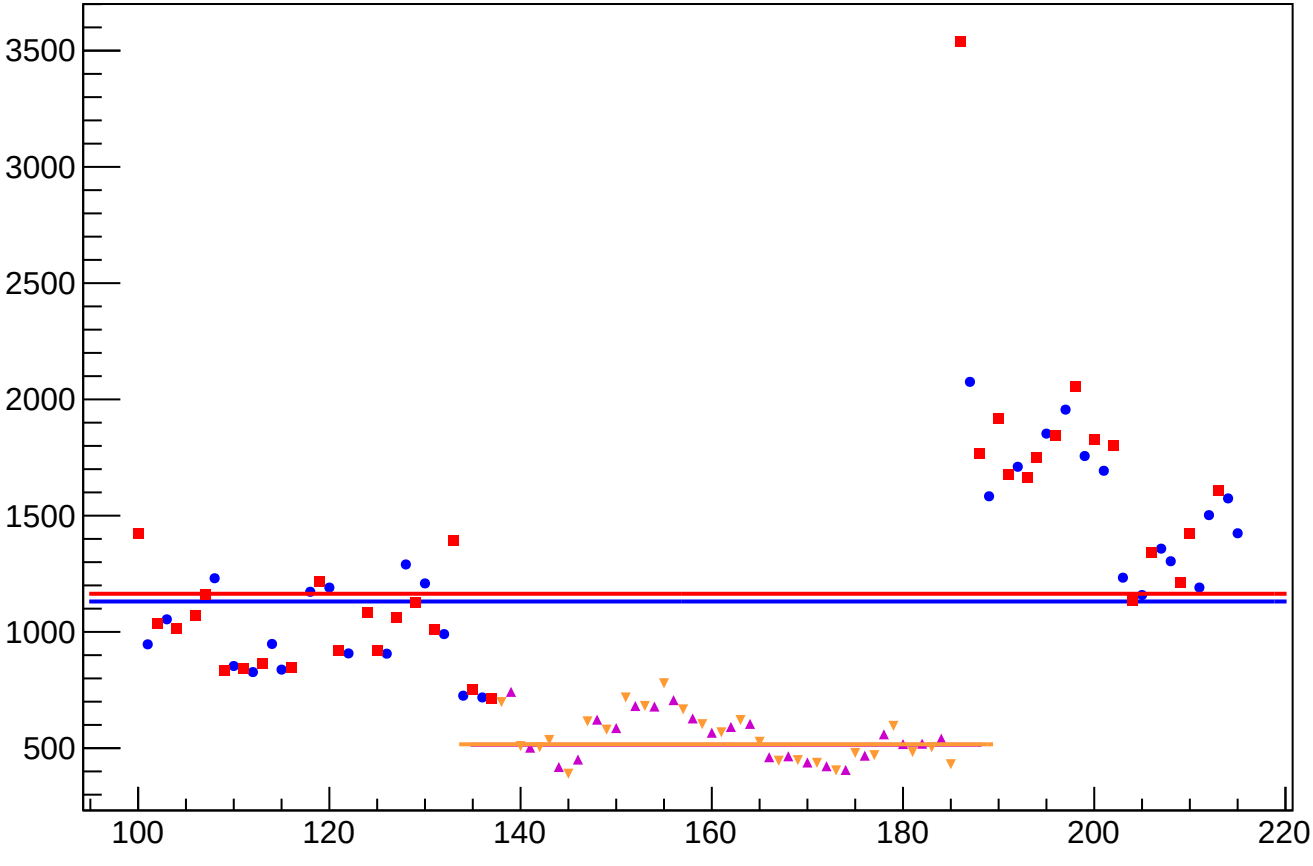
Right: 3.918+/-194.641 χ^2/NDF: 95.4/64

In: -81.704+/-111.512 χ^2/NDF:75.6/53

Out: -334.232+/-110.180 χ^2/NDF:127.0/58

All: -209.486+/-78.376 χ^2/NDF: 205.2/112

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1130.871+/-0.191 χ^2/NDF: 3035242.0/30

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1164.107+/-0.199 χ^2/NDF: 3468512.5/33

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

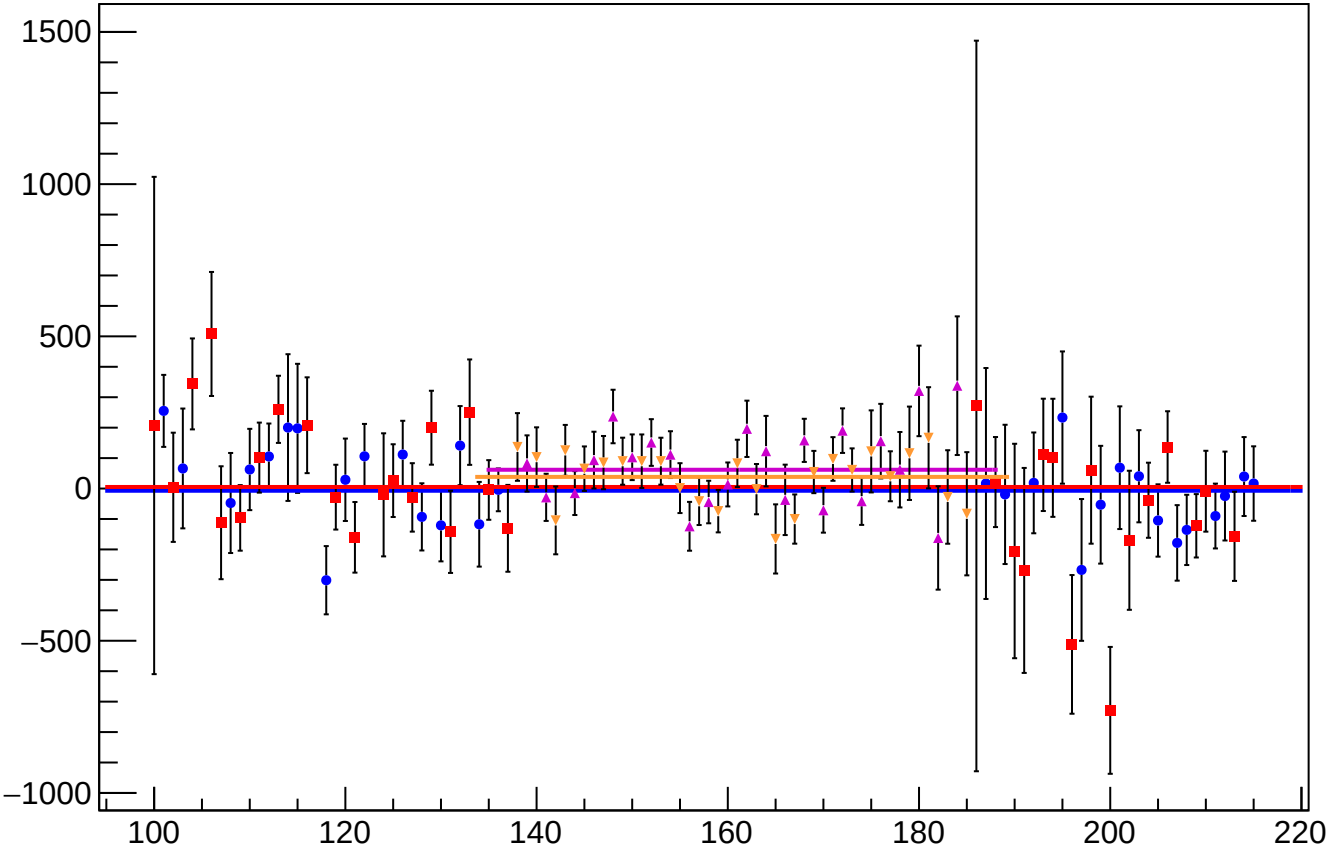
Right: 1146.767+/-0.138 χ^2/NDF: 6518305.4/64

In: 620.285+/-0.079 χ^2/NDF:12819807.7/53

Out: 615.862+/-0.078 χ^2/NDF:13696176.6/58

All: 618.047+/-0.055 χ^2/NDF: 26517576.5/1

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -7.235+/-23.867 χ^2/NDF: 28.3/30

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 5.167+/-25.062 χ^2/NDF: 53.2/33

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

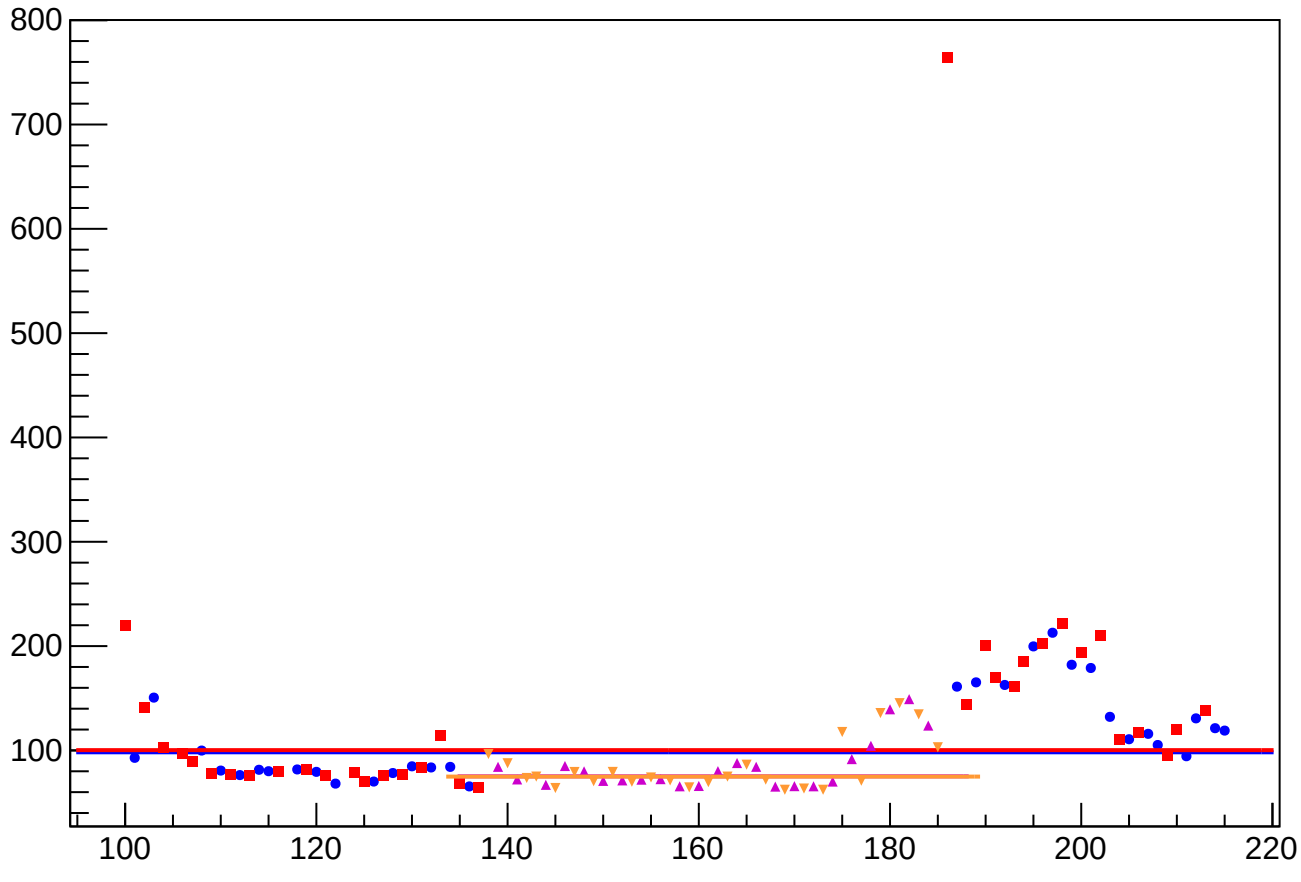
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -1.337+/-17.284 χ^2/NDF: 81.6/64

In: 36.384+/-14.468 χ^2/NDF:70.3/53

Out: 27.286+/-14.441 χ^2/NDF:73.2/58

All: 31.826+/-10.221 χ^2/NDF: 143.6/112



Right In: 98.206+/-0.017 χ^2/NDF: 3767661.7/30

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 100.268+/-0.018 χ^2/NDF: 4952286.4/33

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

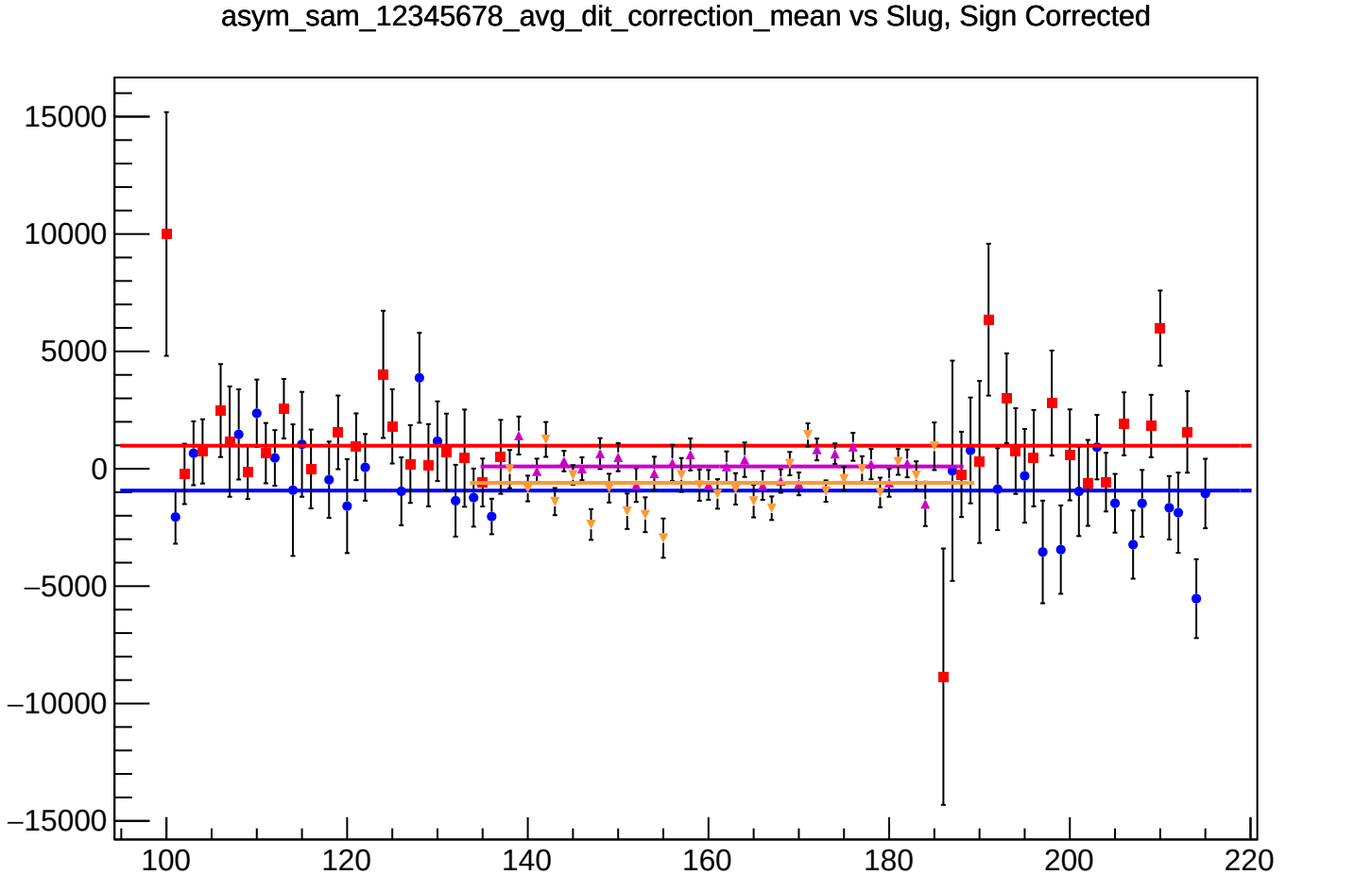
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 99.187+/-0.012 χ^2/NDF: 8727046.6/64

In: 83.626+/-0.010 χ^2/NDF:6260190.7/53

Out: 83.325+/-0.010 χ^2/NDF:7982345.0/58

All: 83.475+/-0.007 χ^2/NDF: 14242969.5/112



Right In: -929.231+/-271.306 χ^2/NDF: 38.8/30

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 982.648+/-281.532 χ^2/NDF: 33.5/33

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

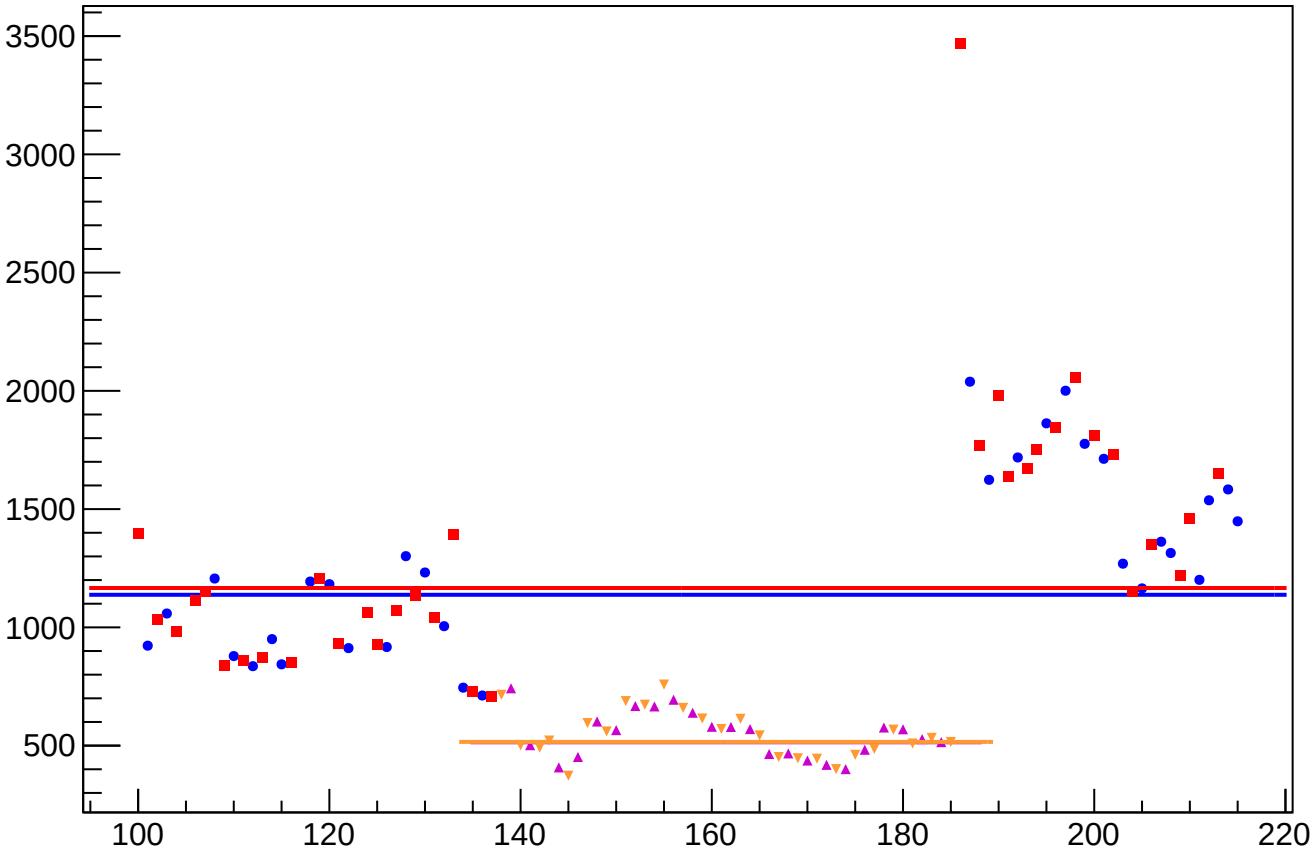
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

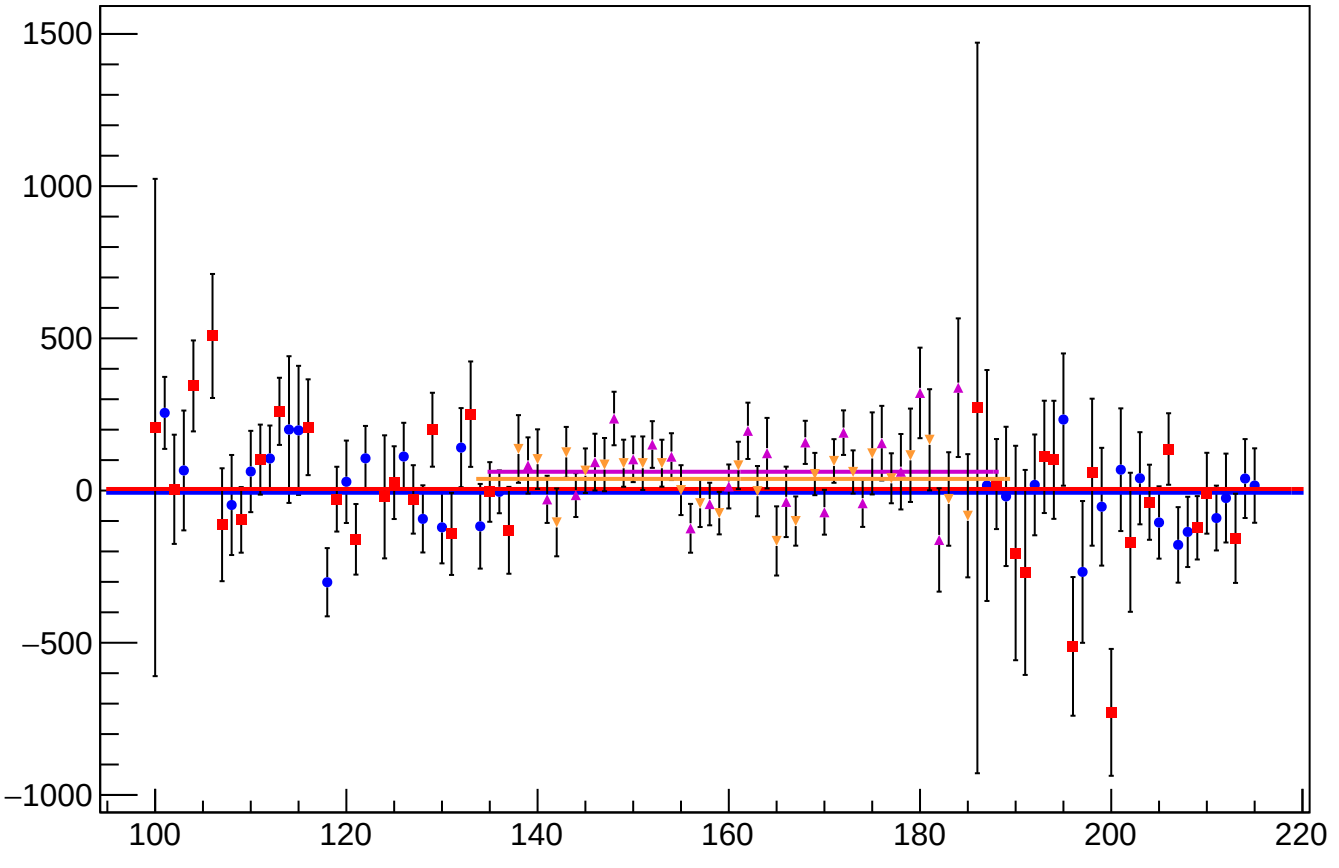
Right: -8.643+/-195.358 χ^2/NDF: 96.2/64

In: -74.593+/-111.503 χ^2/NDF:74.4/53

Out: -357.996+/-109.863 χ^2/NDF:125.3/58

All: -218.394+/-78.258 χ^2/NDF: 203.0/112


asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1137.752+/-0.192 χ²/NDF: 3107692.0/30
Left Out: 515.762+/-0.084 χ²/NDF:1232478.6/24
Right Out: 1166.437+/-0.199 χ²/NDF: 3485481.4/33
Left In: 514.088+/-0.086 χ²/NDF:1116884.3/22
Left: 514.945+/-0.060 χ²/NDF: 2349554.8/47
Right: 1151.564+/-0.138 χ²/NDF: 6603938.2/64
In: 619.431+/-0.079 χ²/NDF:13007916.9/53
Out: 614.848+/-0.078 χ²/NDF:13774315.4/58
All: 617.105+/-0.055 χ²/NDF: 26783946.7/1



Right In: -7.234+/-23.867 χ^2/NDF: 28.3/30

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 5.165+/-25.062 χ^2/NDF: 53.2/33

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

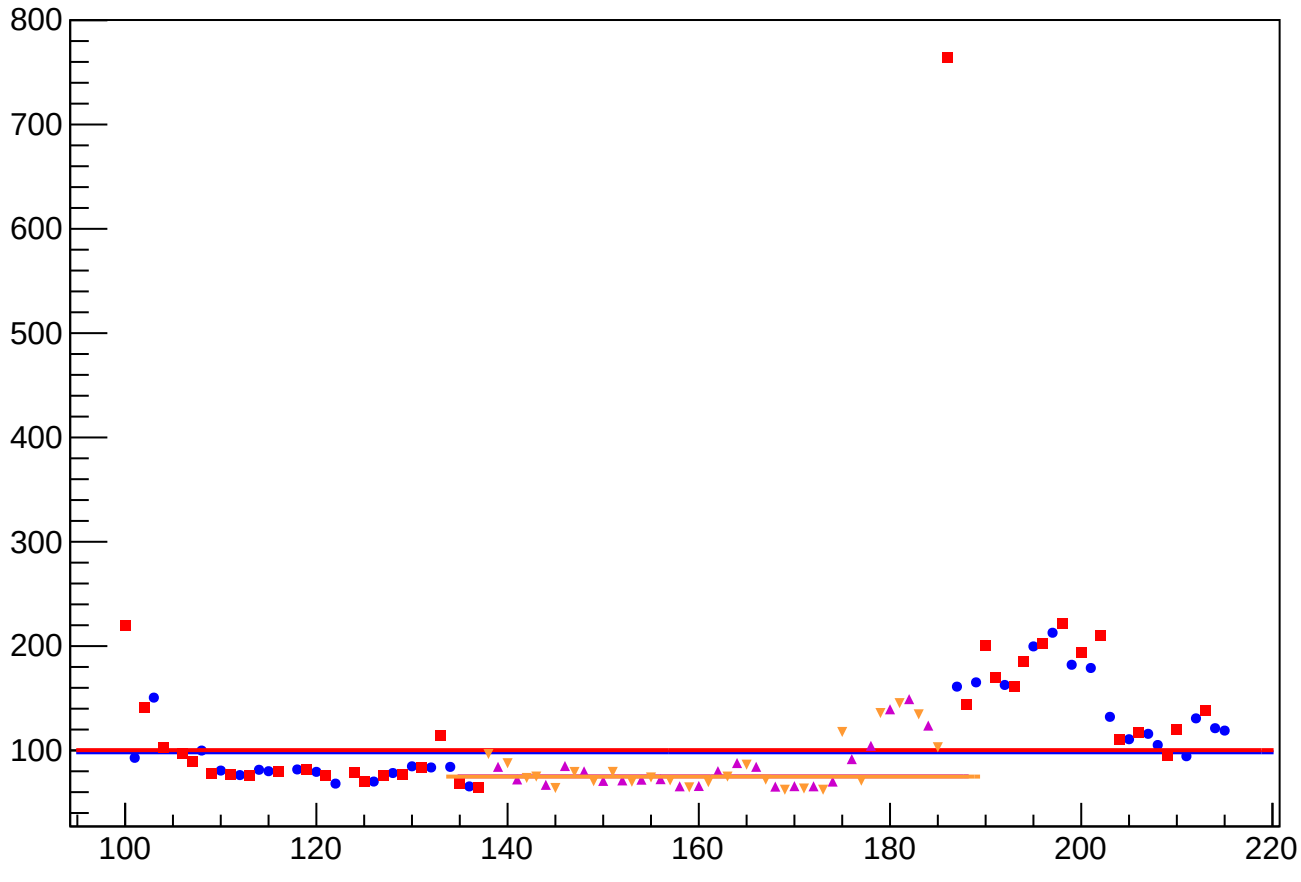
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: -1.337+/-17.284 χ^2/NDF: 81.6/64

In: 36.383+/-14.468 χ^2/NDF:70.3/53

Out: 27.286+/-14.441 χ^2/NDF:73.2/58

All: 31.826+/-10.221 χ^2/NDF: 143.6/112



Right In: 98.206+/-0.017 χ^2/NDF: 3767674.6/30

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 100.268+/-0.018 χ^2/NDF: 4952314.8/33

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

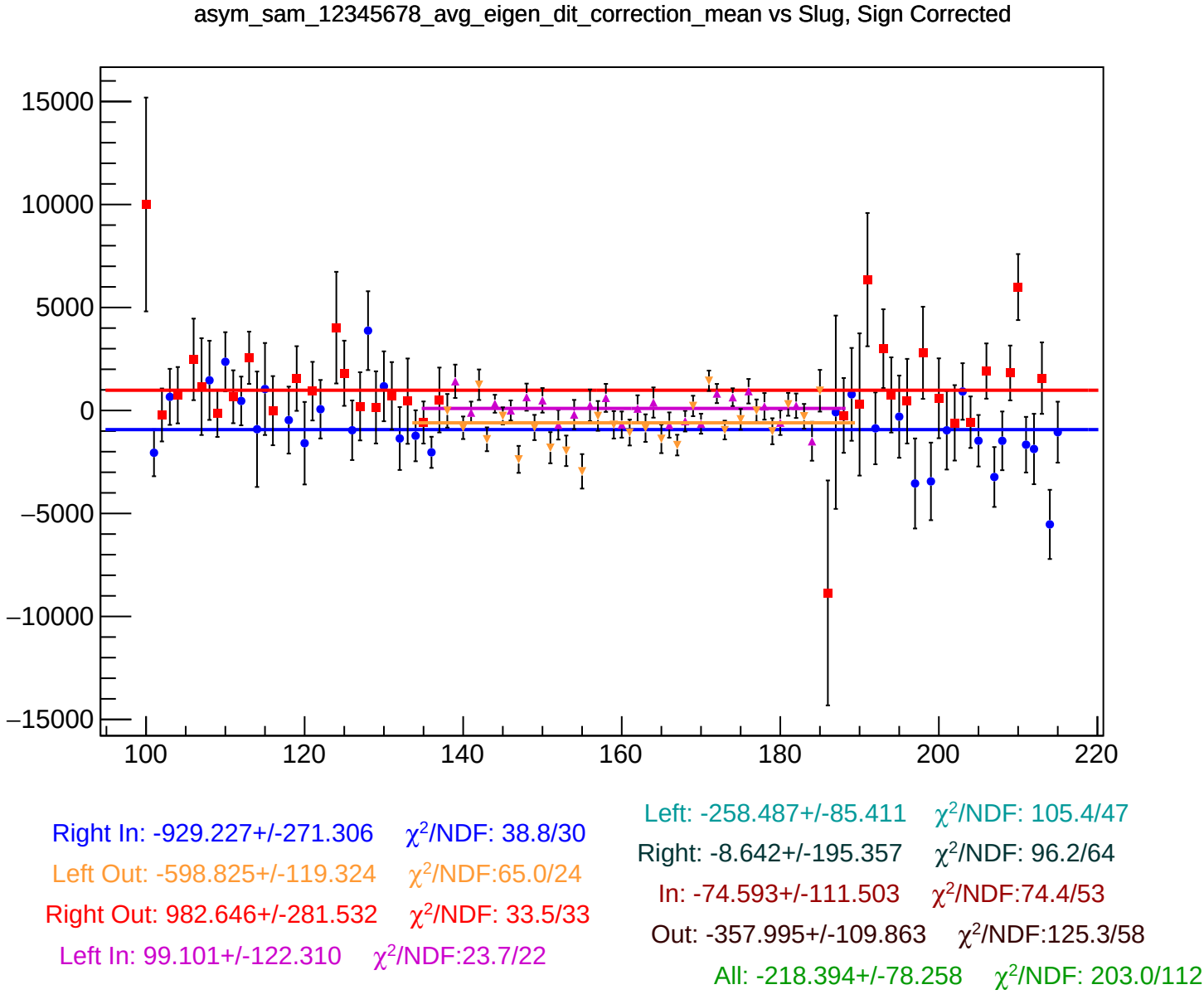
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 99.187+/-0.012 χ^2/NDF: 8727088.2/64

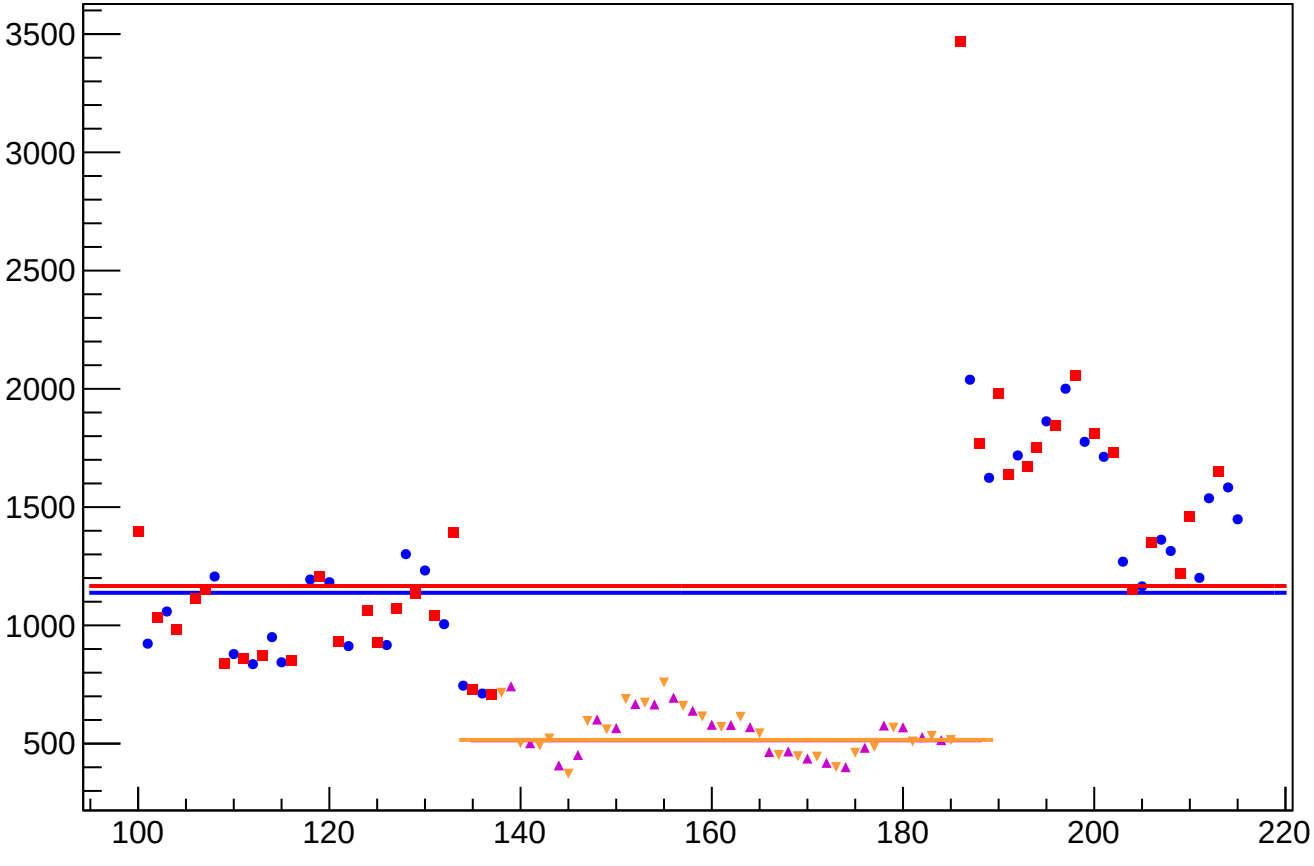
In: 83.626+/-0.010 χ^2/NDF:6260140.7/53

Out: 83.325+/-0.010 χ^2/NDF:7982327.8/58

All: 83.475+/-0.007 χ^2/NDF: 14242902.2/112


asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -929.227+/-271.306 χ²/NDF: 38.8/30
Left Out: -598.825+/-119.324 χ²/NDF:65.0/24
Right Out: 982.646+/-281.532 χ²/NDF: 33.5/33
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: -8.642+/-195.357 χ²/NDF: 96.2/64
In: -74.593+/-111.503 χ²/NDF:74.4/53
Out: -357.995+/-109.863 χ²/NDF:125.3/58
All: -218.394+/-78.258 χ²/NDF: 203.0/112

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1137.750+/-0.192 χ^2/NDF: 3107702.3/30

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1166.434+/-0.199 χ^2/NDF: 3485493.6/33

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

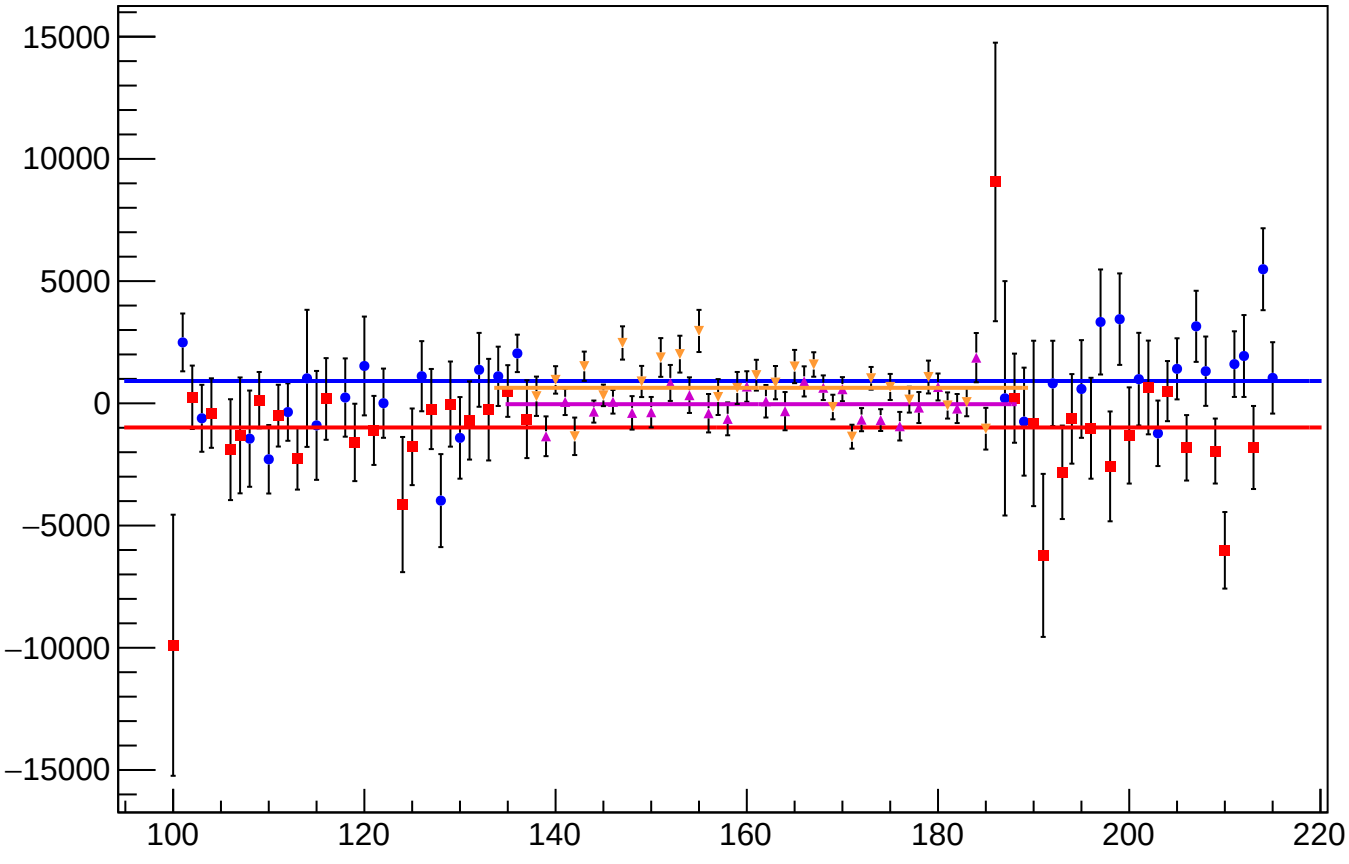
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1151.562+/-0.138 χ^2/NDF: 6603960.6/64

In: 619.430+/-0.079 χ^2/NDF:13007922.6/53

Out: 614.847+/-0.078 χ^2/NDF:13774326.8/58

All: 617.104+/-0.055 χ^2/NDF: 26783963.8/1



Right In: 913.891+/-270.599 χ^2/NDF: 40.0/30

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -987.294+/-282.404 χ^2/NDF: 32.2/33

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

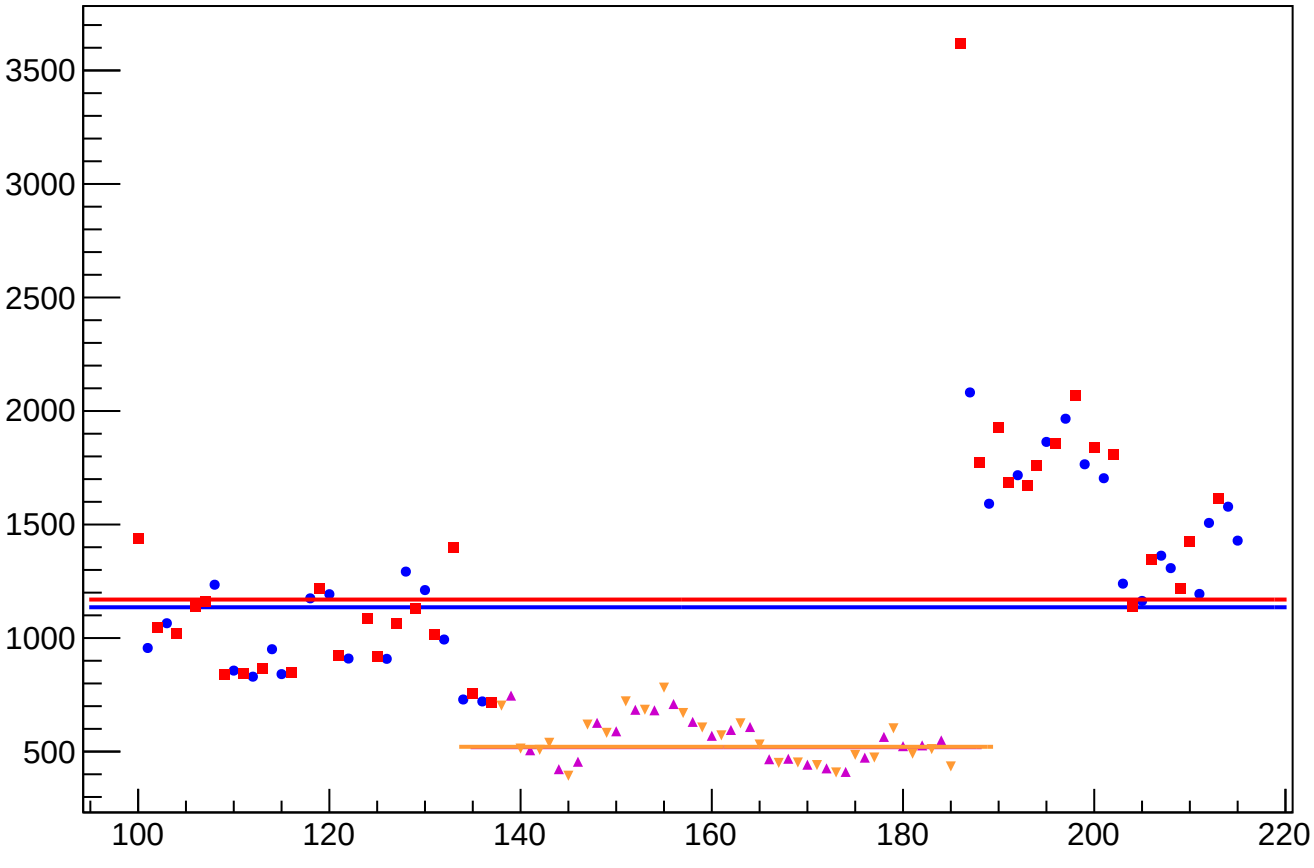
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: 3.865+/-195.382 χ^2/NDF: 95.9/64

In: 128.775+/-112.365 χ^2/NDF:75.3/53

Out: 384.182+/-111.001 χ^2/NDF:124.6/58

All: 258.038+/-78.967 χ^2/NDF: 202.5/112



Right In: 1135.609+/-0.191 χ^2/NDF: 3035578.6/30

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1169.566+/-0.200 χ^2/NDF: 3479201.9/33

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

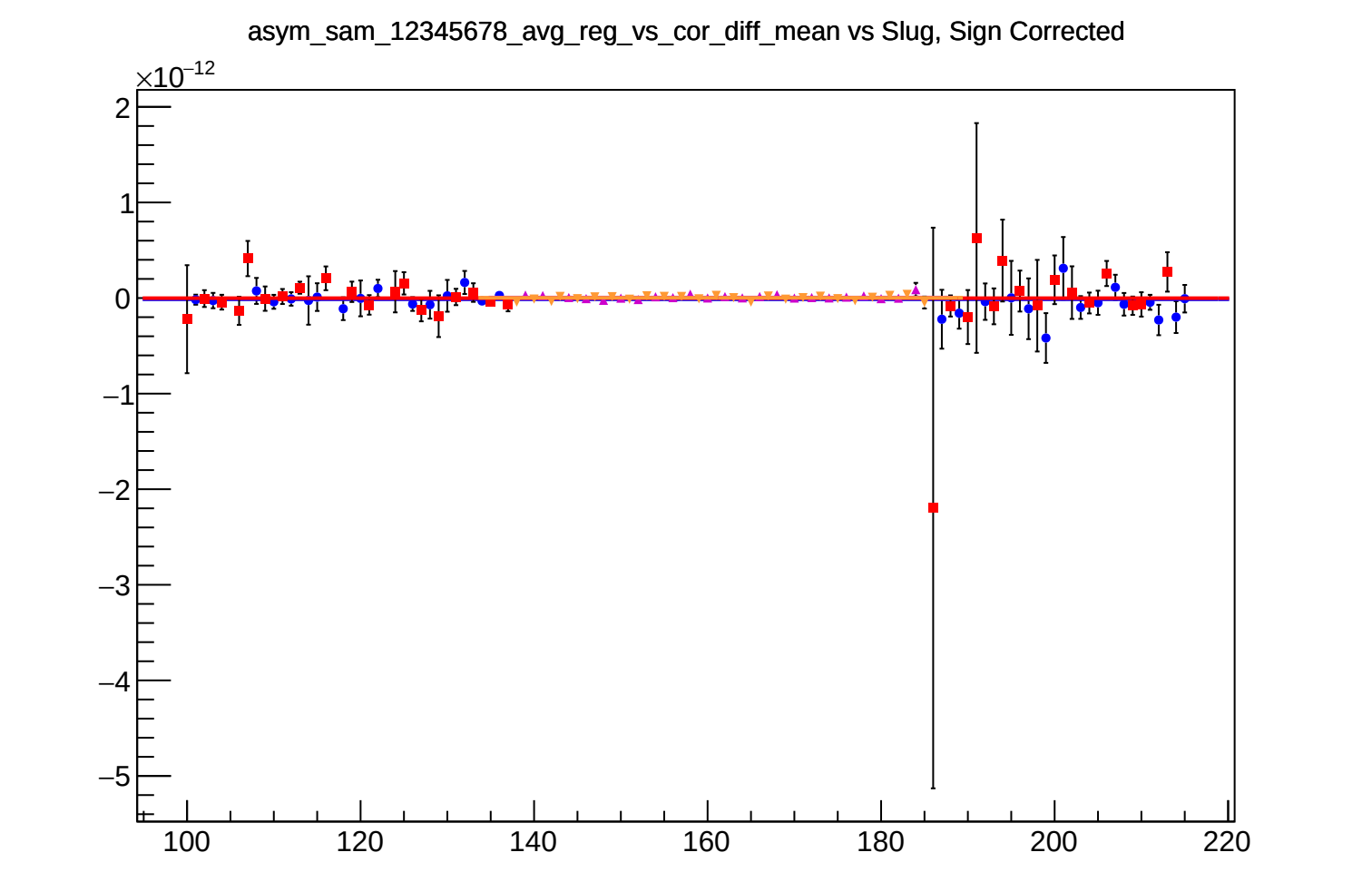
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1151.863+/-0.138 χ^2/NDF: 6529855.4/64

In: 625.519+/-0.079 χ^2/NDF:12723621.4/53

Out: 621.221+/-0.078 χ^2/NDF:13640454.8/58

All: 623.344+/-0.056 χ^2/NDF: 26365557.6/1



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/33

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

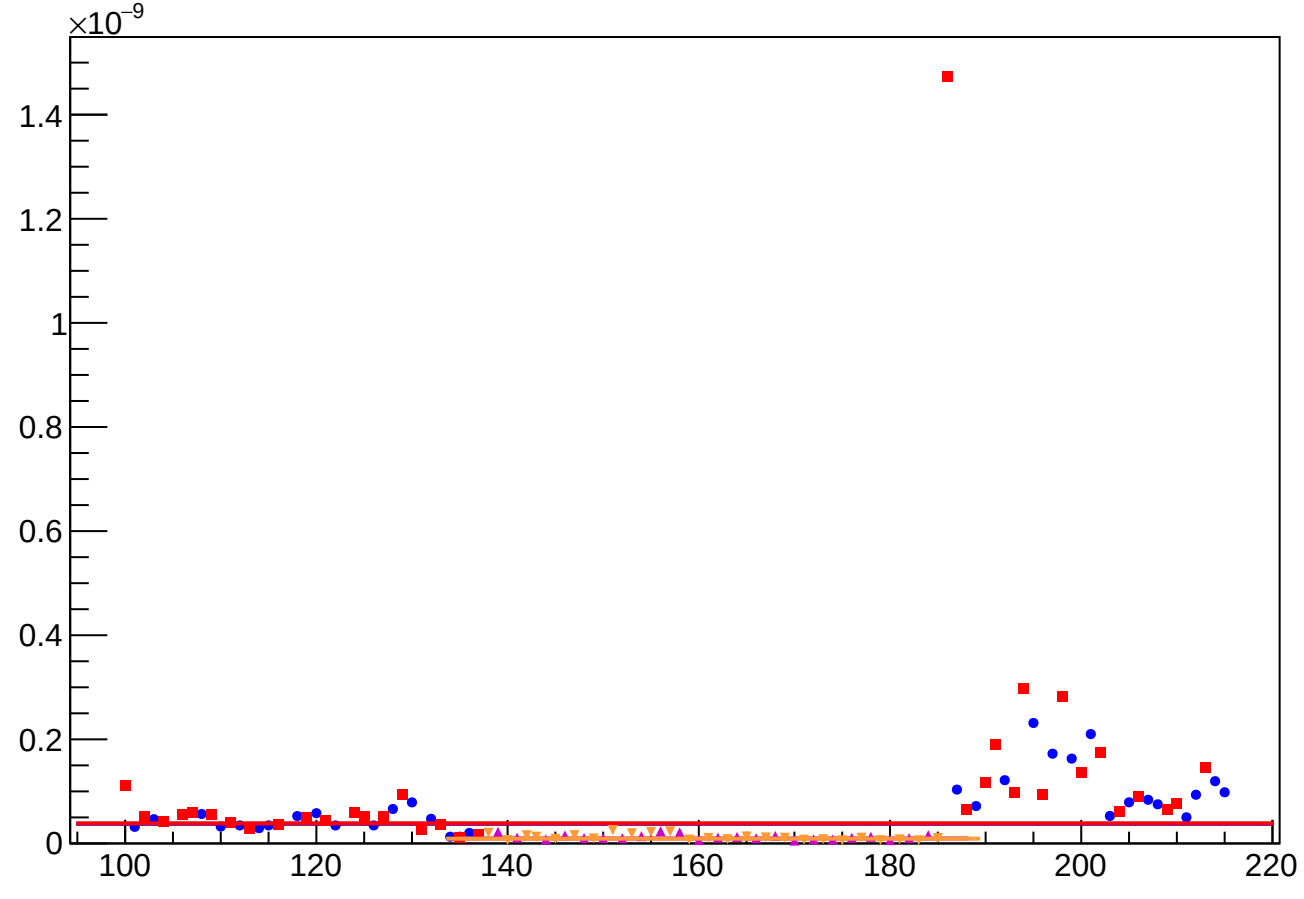
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.4/64

In: 0.000+/-0.000 χ^2/NDF:29.2/53

Out: 0.000+/-0.000 χ^2/NDF:52.4/58

All: 0.000+/-0.000 χ^2/NDF: 81.7/112



Right In: 0.000+/-0.000 χ^2/NDF: 5973466.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6541574.8/33

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

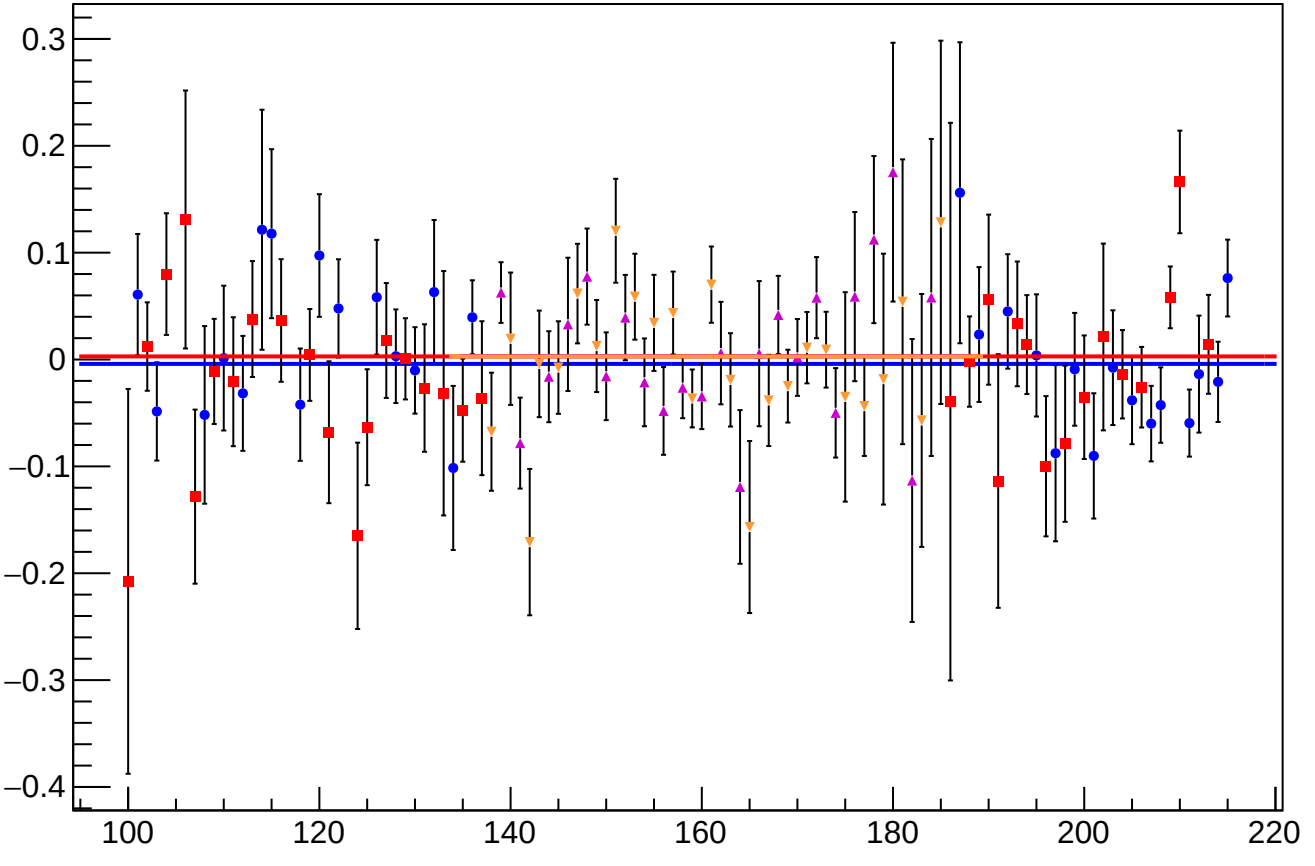
Right: 0.000+/-0.000 χ^2/NDF: 12517483.7/64

In: 0.000+/-0.000 χ^2/NDF:13330351.1/53

Out: 0.000+/-0.000 χ^2/NDF:13974148.8/58

All: 0.000+/-0.000 χ^2/NDF: 27340407.5/112

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.009 χ^2/NDF: 35.2/30

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.003+/-0.009 χ^2/NDF: 38.1/33

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

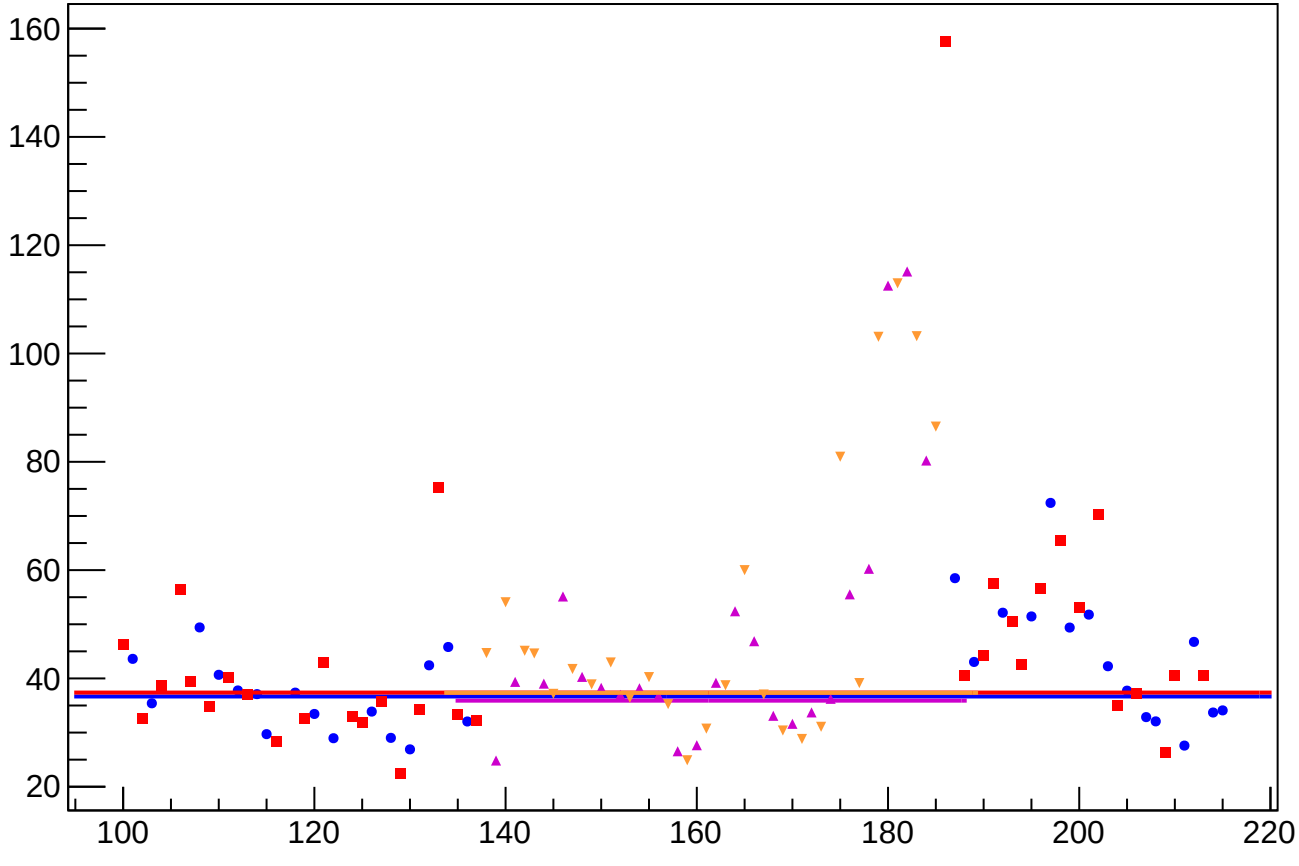
Right: -0.001+/-0.006 χ^2/NDF: 73.6/64

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: 0.001+/-0.005 χ^2/NDF: 136.5/112

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.667+/-0.006 χ^2/NDF: 1758365.5/30

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.389+/-0.007 χ^2/NDF: 2620948.3/33

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

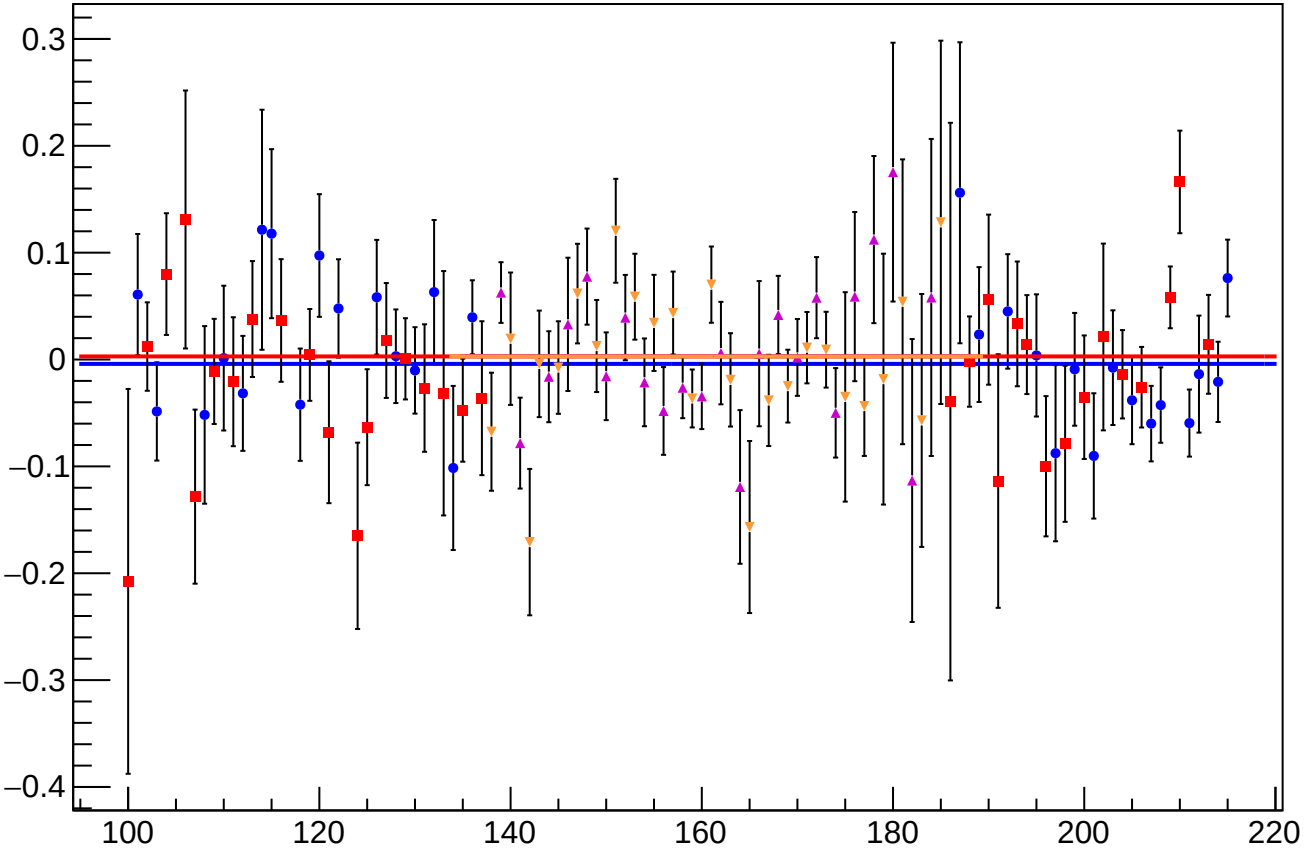
Right: 37.010+/-0.005 χ^2/NDF: 4385618.4/64

In: 36.294+/-0.005 χ^2/NDF:4903962.5/53

Out: 37.366+/-0.005 χ^2/NDF:6317618.7/58

All: 36.814+/-0.003 χ^2/NDF: 11249067.5/112

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.009 χ^2/NDF: 35.2/30

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.003+/-0.009 χ^2/NDF: 38.1/33

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

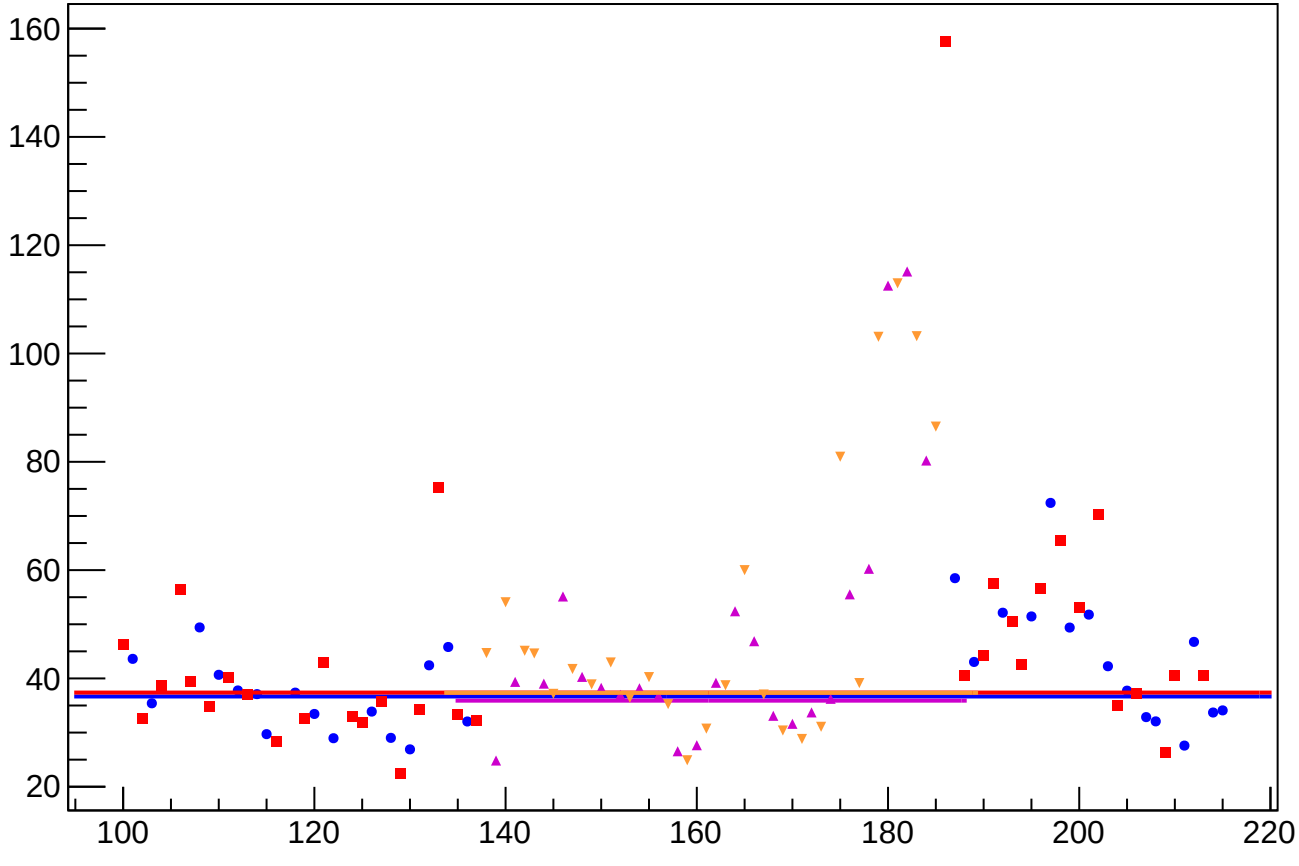
Right: -0.001+/-0.006 χ^2/NDF: 73.6/64

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: 0.001+/-0.005 χ^2/NDF: 136.5/112

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.667+/-0.006 χ^2/NDF: 1758365.5/30

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.389+/-0.007 χ^2/NDF: 2620948.3/33

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

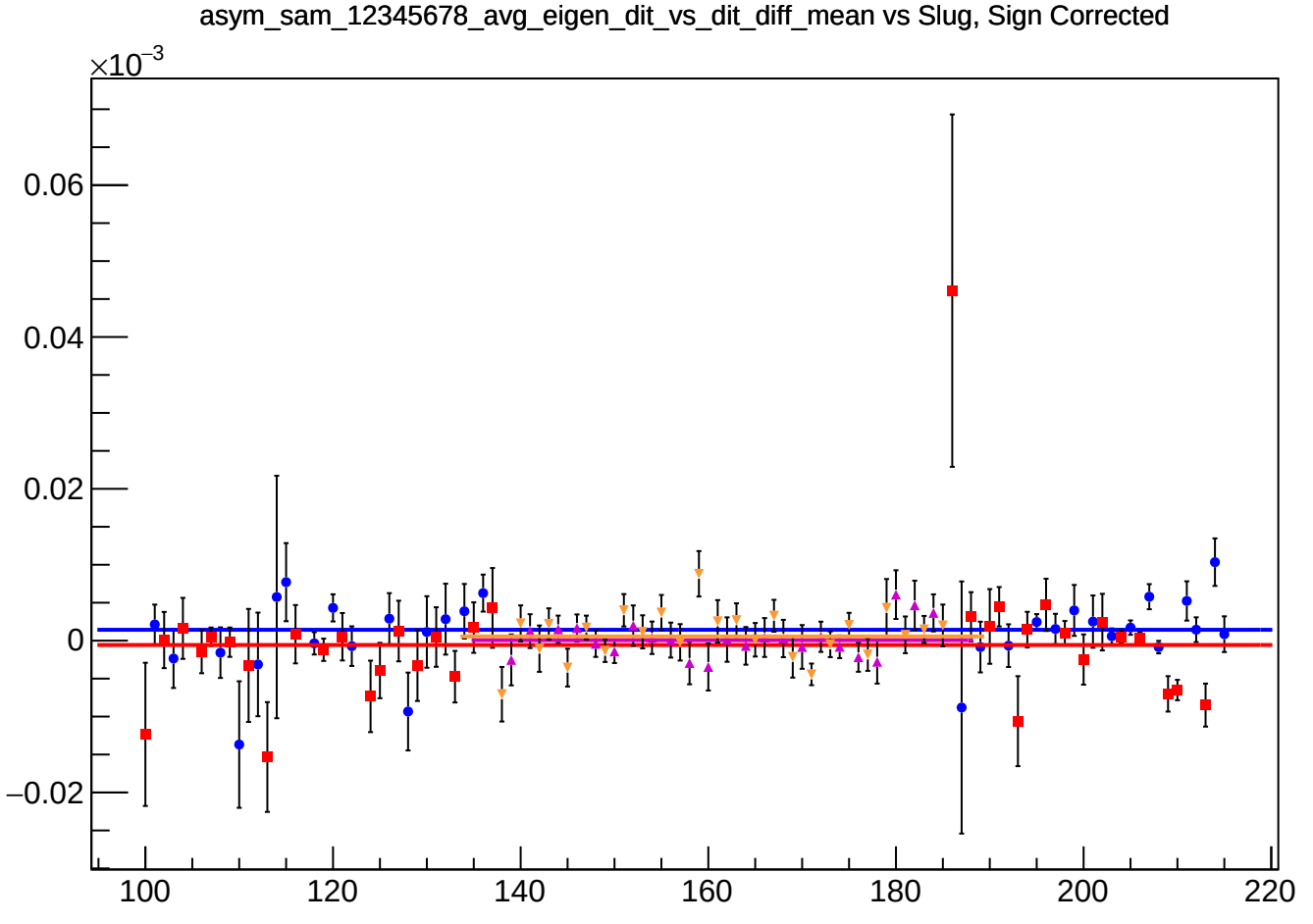
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 37.010+/-0.005 χ^2/NDF: 4385618.4/64

In: 36.294+/-0.005 χ^2/NDF:4903962.5/53

Out: 37.366+/-0.005 χ^2/NDF:6317618.7/58

All: 36.814+/-0.003 χ^2/NDF: 11249067.5/112



Right In: 0.000+/-0.000 χ^2/NDF: 49.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 69.3/33

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

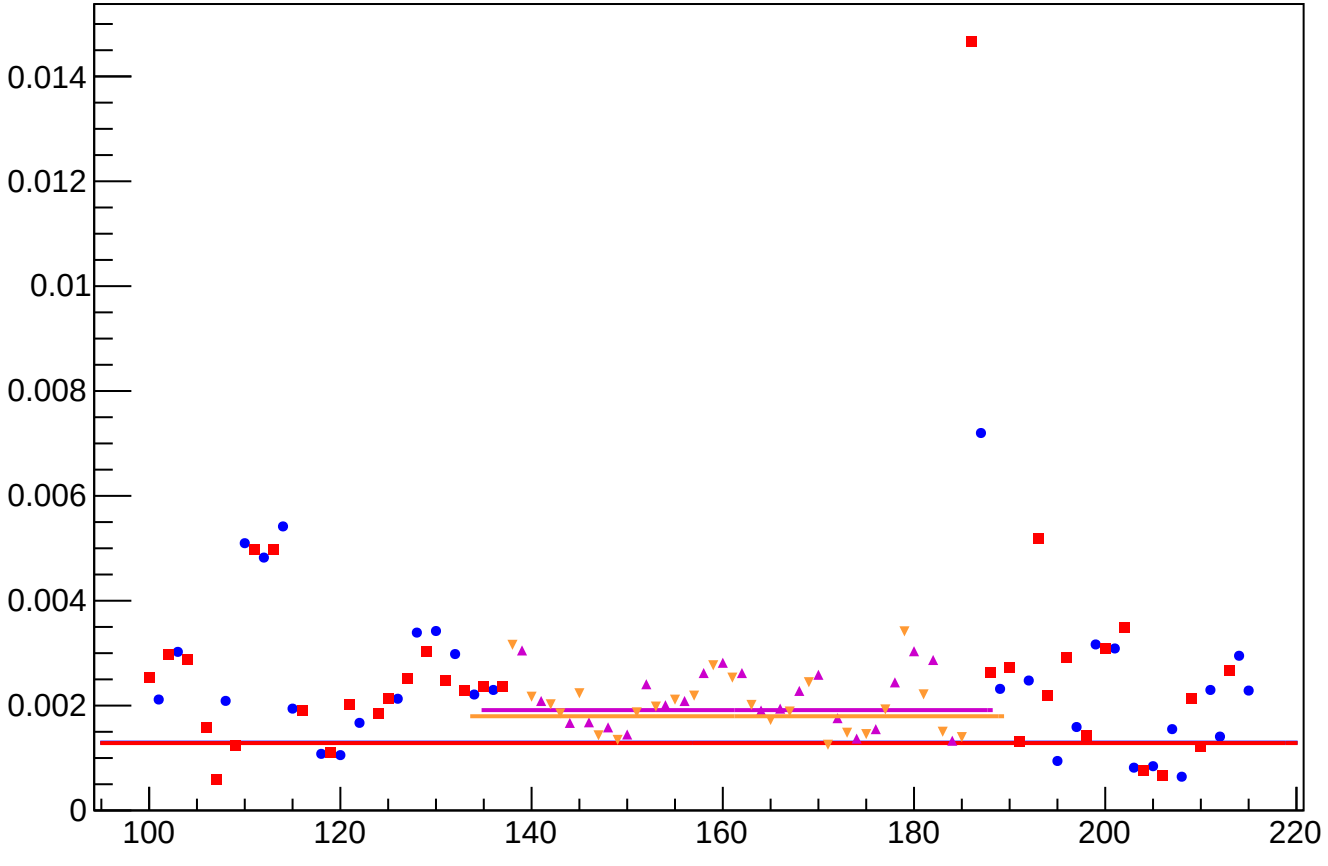
Right: 0.000+/-0.000 χ^2/NDF: 134.5/64

In: 0.000+/-0.000 χ^2/NDF:72.1/53

Out: -0.000+/-0.000 χ^2/NDF:116.9/58

All: 0.000+/-0.000 χ^2/NDF: 195.7/112

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9165128.9/30

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10878952.6/33

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

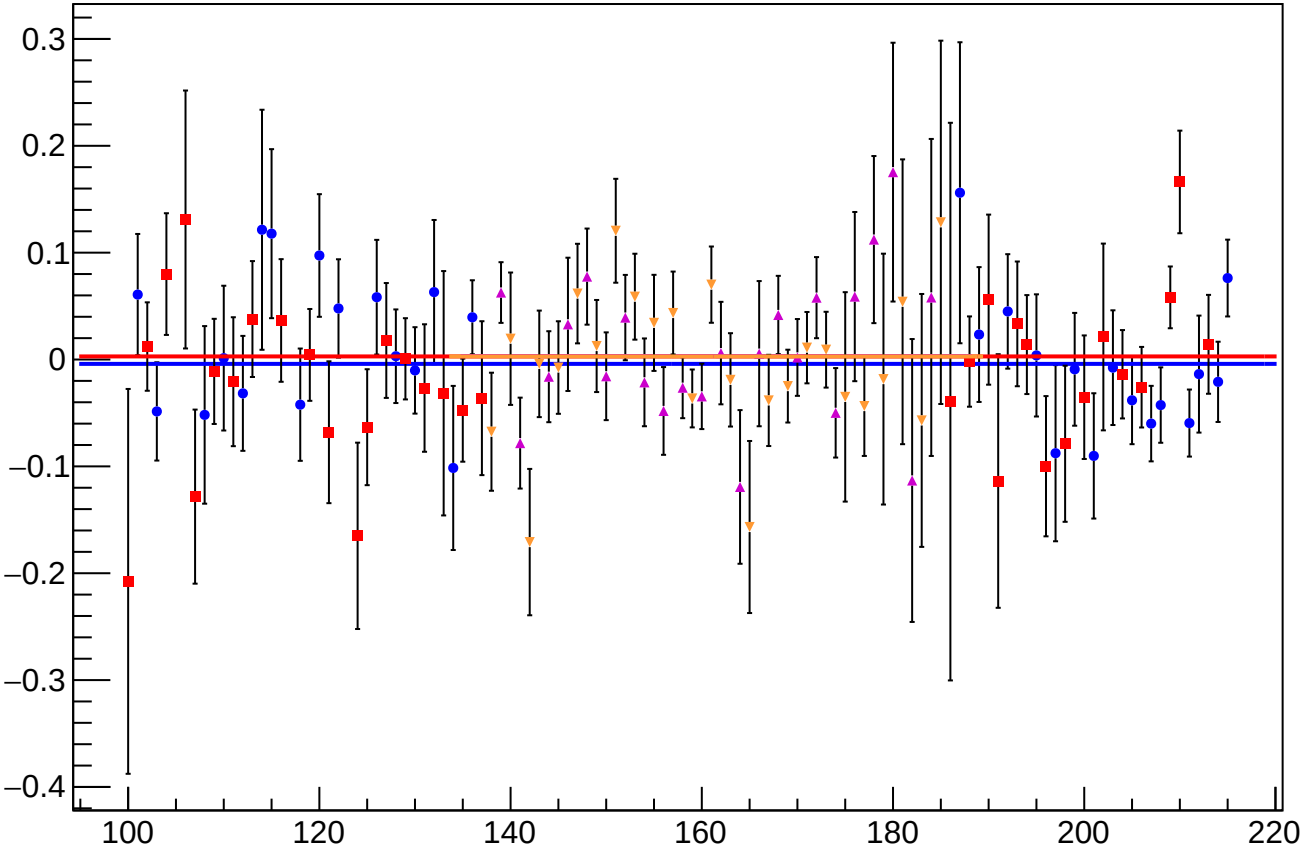
Right: 0.001+/-0.000 χ^2/NDF: 20044618.3/64

In: 0.002+/-0.000 χ^2/NDF:13593820.6/53

Out: 0.002+/-0.000 χ^2/NDF:14833947.3/58

All: 0.002+/-0.000 χ^2/NDF: 28431854.7/112

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.009 χ^2/NDF: 35.2/30

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.003+/-0.009 χ^2/NDF: 38.1/33

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

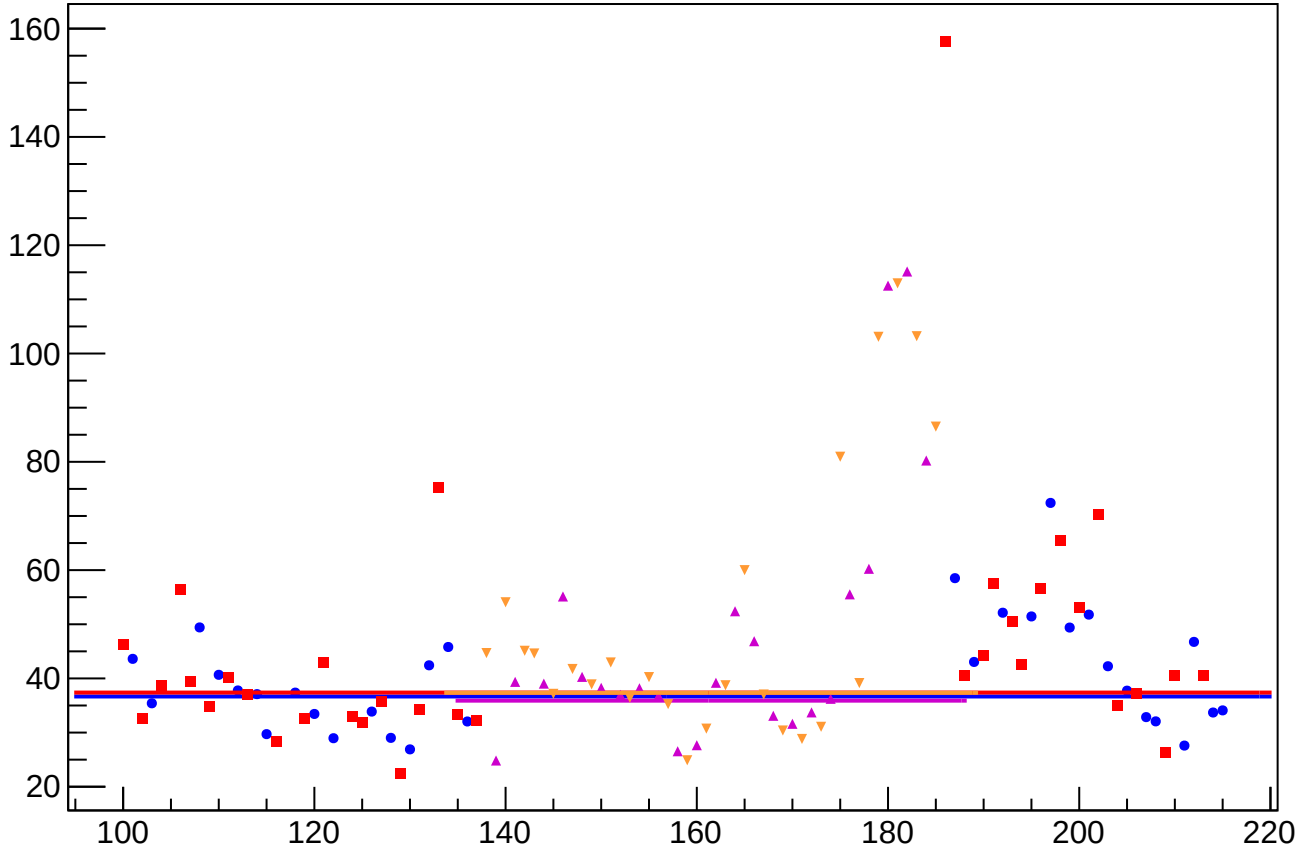
Right: -0.001+/-0.006 χ^2/NDF: 73.6/64

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: 0.001+/-0.005 χ^2/NDF: 136.5/112

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.666+/-0.006 χ^2/NDF: 1758406.1/30

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.389+/-0.007 χ^2/NDF: 2621025.1/33

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

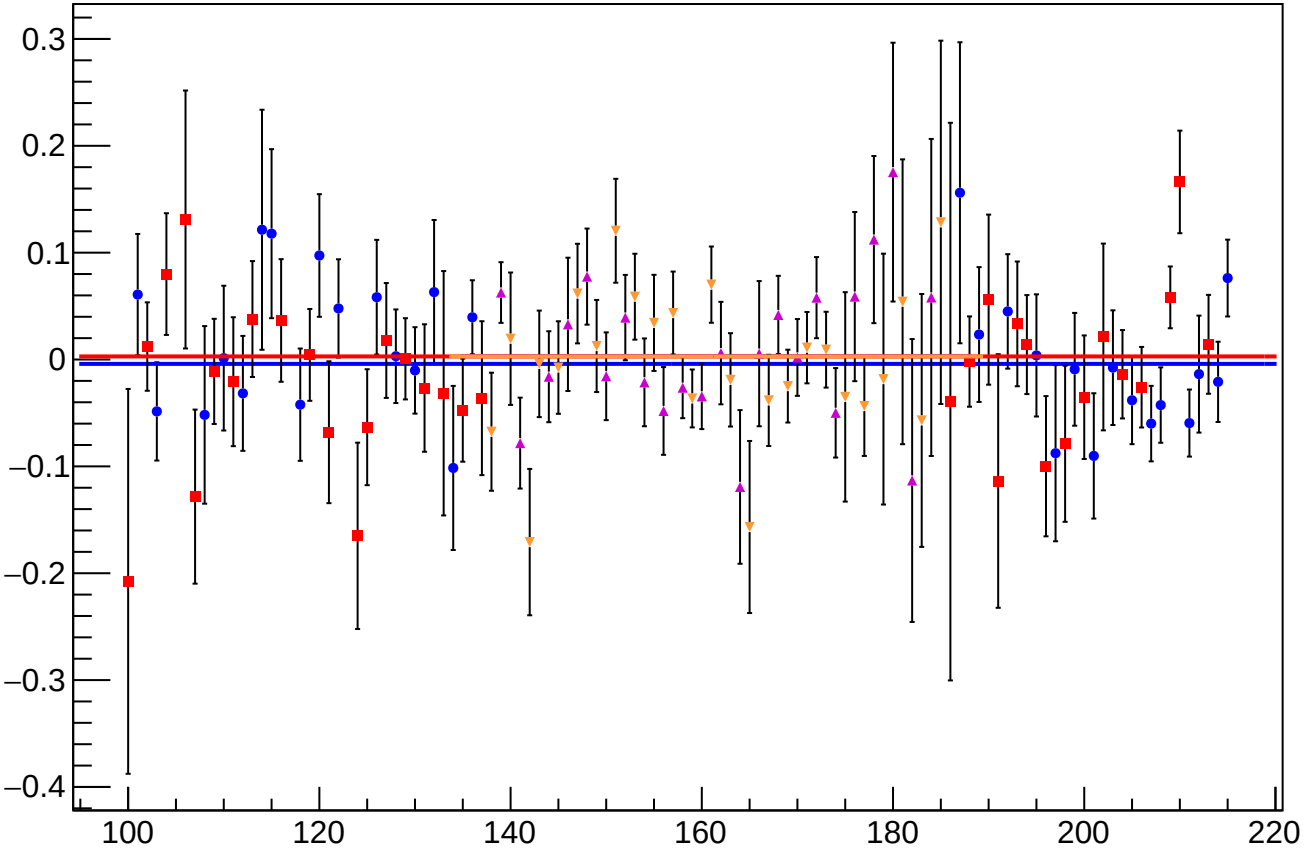
Right: 37.010+/-0.005 χ^2/NDF: 4385737.3/64

In: 36.294+/-0.005 χ^2/NDF:4904005.5/53

Out: 37.366+/-0.005 χ^2/NDF:6317745.2/58

All: 36.814+/-0.003 χ^2/NDF: 11249236.9/112

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.009 χ^2/NDF: 35.2/30

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.003+/-0.009 χ^2/NDF: 38.1/33

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

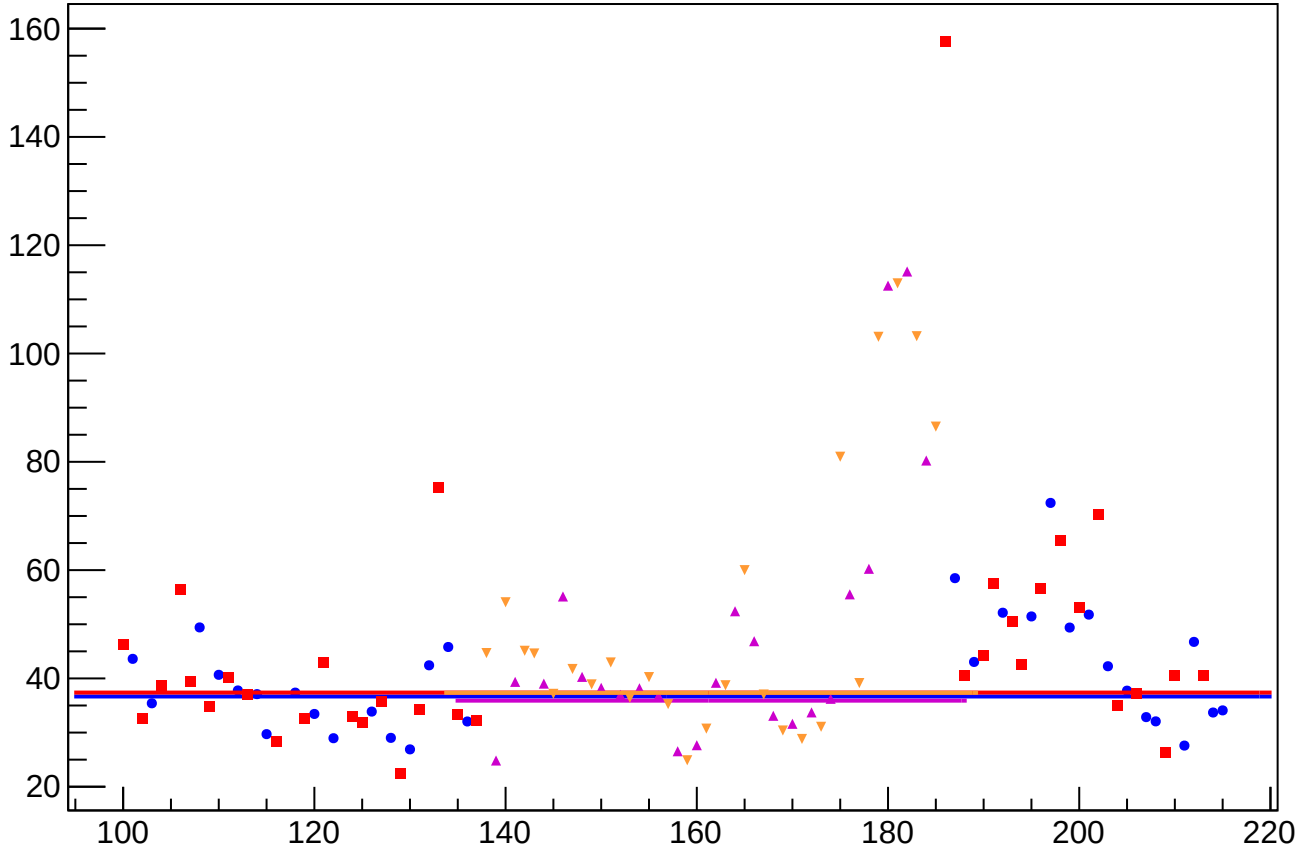
Right: -0.001+/-0.006 χ^2/NDF: 73.6/64

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.003+/-0.007 χ^2/NDF:71.0/58

All: 0.001+/-0.005 χ^2/NDF: 136.5/112

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.666+/-0.006 χ^2/NDF: 1758406.1/30

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.389+/-0.007 χ^2/NDF: 2621025.1/33

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

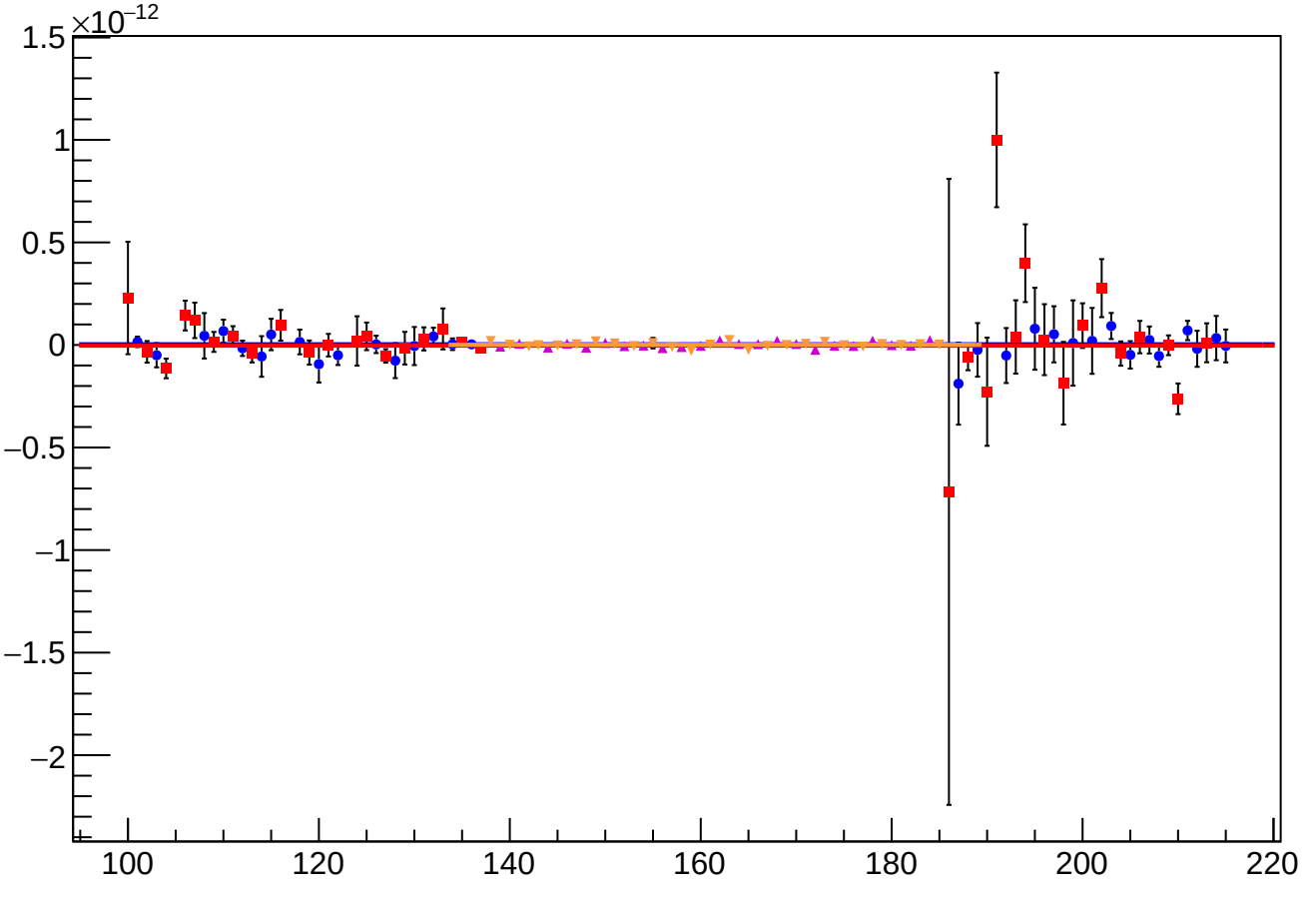
Right: 37.010+/-0.005 χ^2/NDF: 4385737.3/64

In: 36.294+/-0.005 χ^2/NDF:4904005.5/53

Out: 37.366+/-0.005 χ^2/NDF:6317745.2/58

All: 36.814+/-0.003 χ^2/NDF: 11249236.9/112

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 55.4/33

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

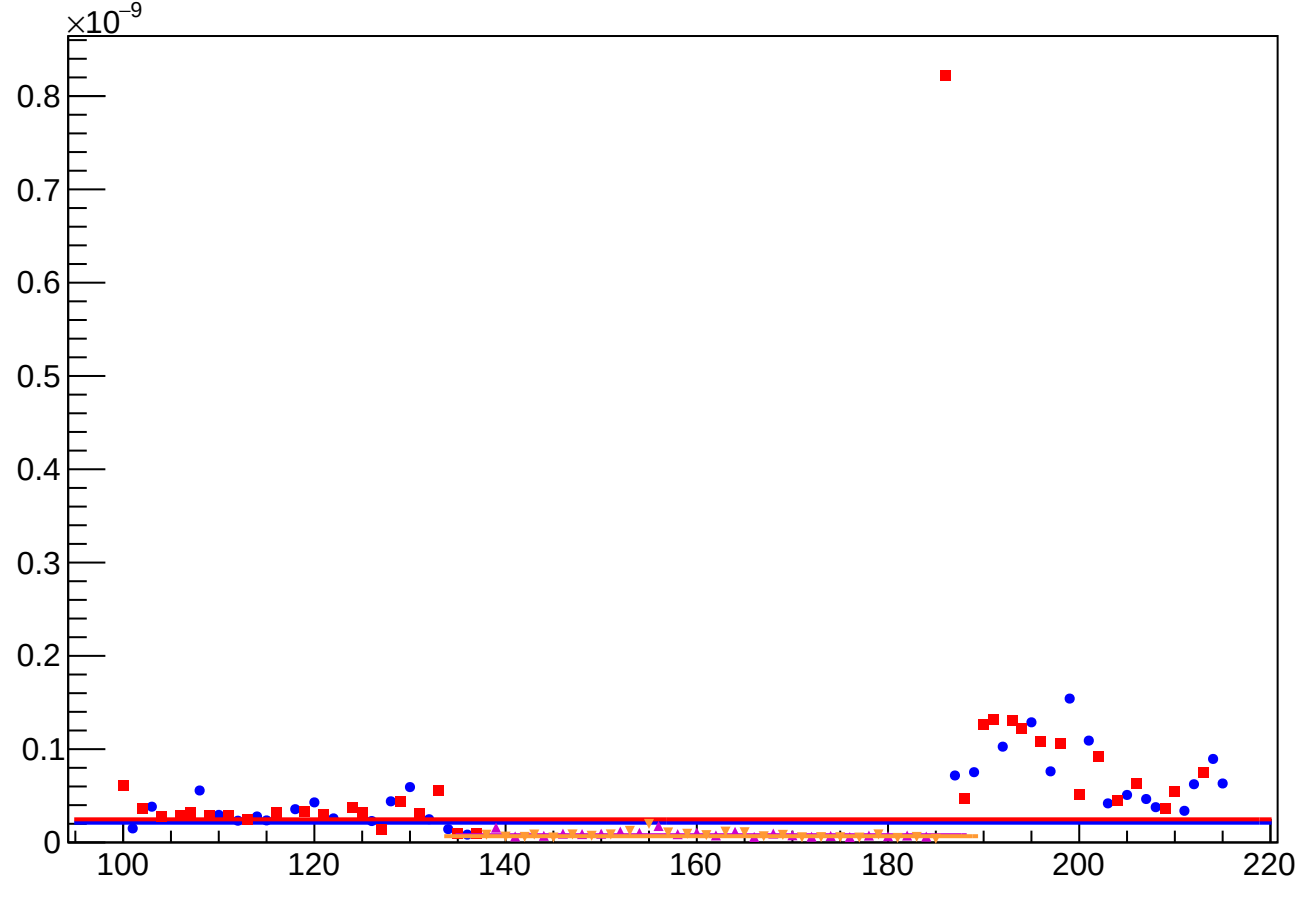
Right: 0.000+/-0.000 χ^2/NDF: 70.9/64

In: 0.000+/-0.000 χ^2/NDF:44.5/53

Out: 0.000+/-0.000 χ^2/NDF:77.1/58

All: 0.000+/-0.000 χ^2/NDF: 121.5/112

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10111372.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8618855.2/33

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

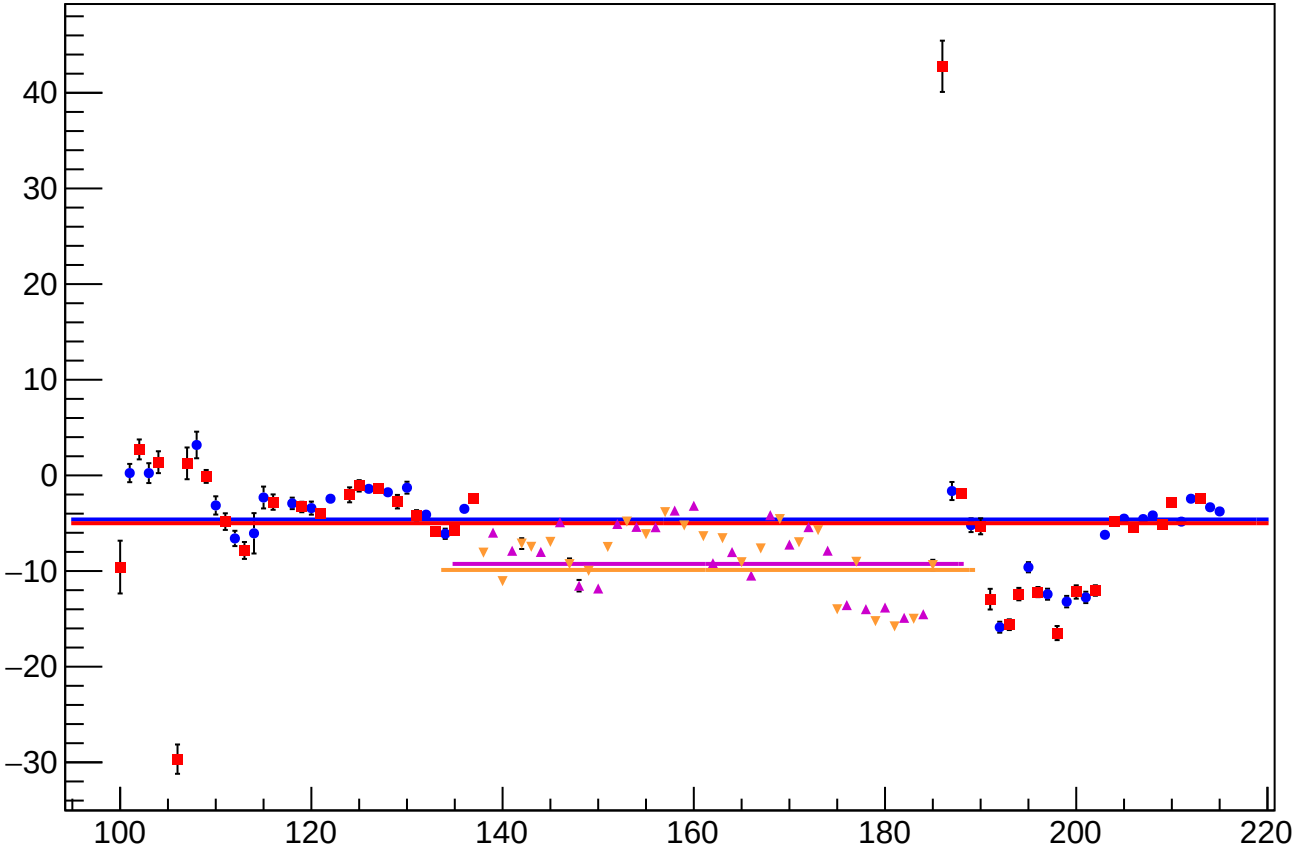
Right: 0.000+/-0.000 χ^2/NDF: 18901210.2/64

In: 0.000+/-0.000 χ^2/NDF:16776688.3/53

Out: 0.000+/-0.000 χ^2/NDF:17874260.5/58

All: 0.000+/-0.000 χ^2/NDF: 35017324.9/112

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.611+/-0.084 χ^2/NDF: 1398.5/30

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.001+/-0.090 χ^2/NDF: 2382.4/33

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

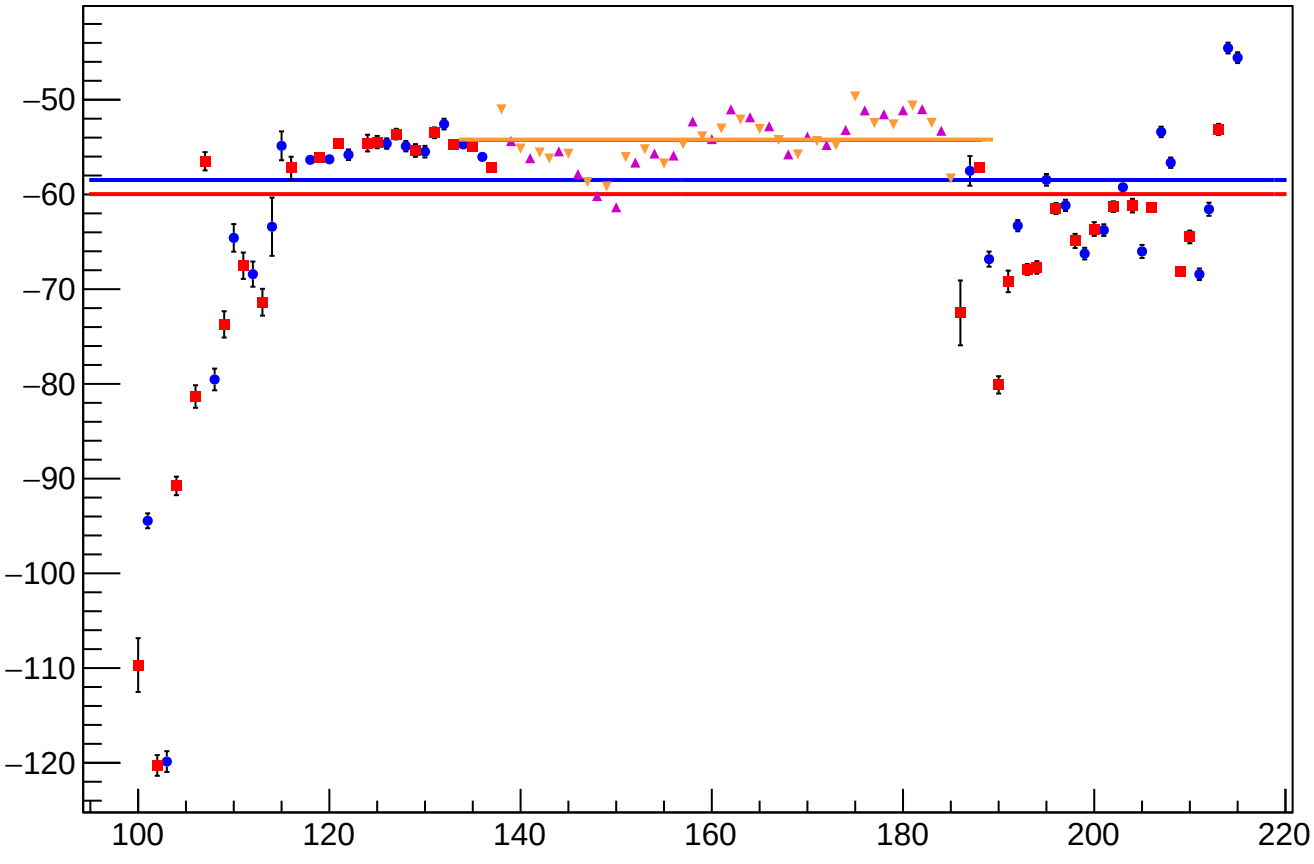
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.792+/-0.062 χ^2/NDF: 3790.8/64

In: -7.305+/-0.055 χ^2/NDF:6230.8/53

Out: -8.070+/-0.055 χ^2/NDF:7424.6/58

All: -7.684+/-0.039 χ^2/NDF: 13752.7/112



Right In: -58.471+/-0.104 χ^2/NDF: 8178.0/30

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.965+/-0.107 χ^2/NDF: 7480.4/33

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

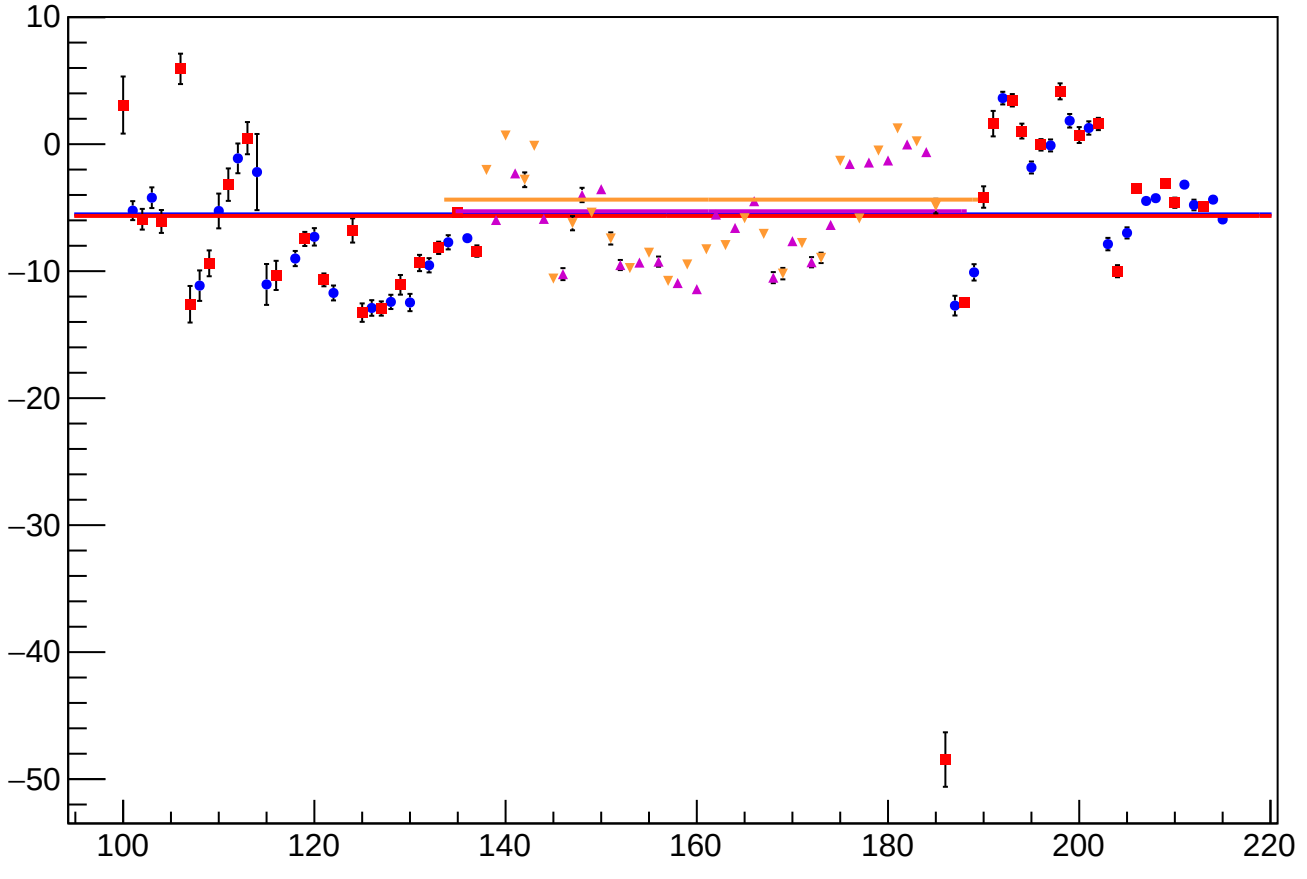
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.202+/-0.075 χ^2/NDF: 15758.6/64

In: -55.261+/-0.051 χ^2/NDF:11911.6/53

Out: -55.445+/-0.049 χ^2/NDF:11627.0/58

All: -55.356+/-0.035 χ^2/NDF: 23545.4/112



Right In: -5.530+/-0.086 χ^2/NDF: 1892.0/30

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.649+/-0.090 χ^2/NDF: 3273.4/33

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

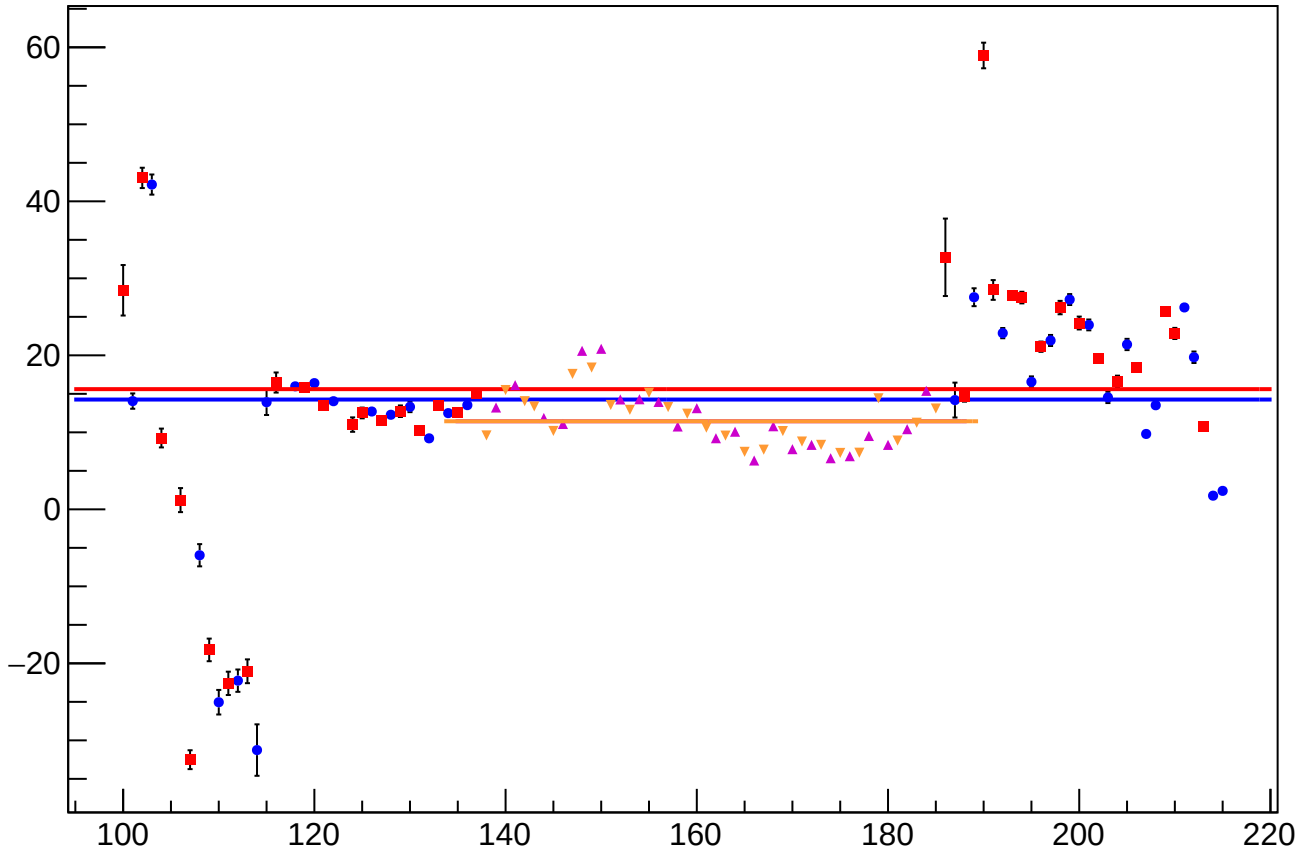
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.587+/-0.062 χ^2/NDF: 5166.4/64

In: -5.383+/-0.055 χ^2/NDF:4647.1/53

Out: -4.840+/-0.055 χ^2/NDF:7101.7/58

All: -5.113+/-0.039 χ^2/NDF: 11797.6/112



Right In: 14.259+/-0.116 χ^2/NDF: 4554.4/30

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.609+/-0.121 χ^2/NDF: 6396.5/33

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

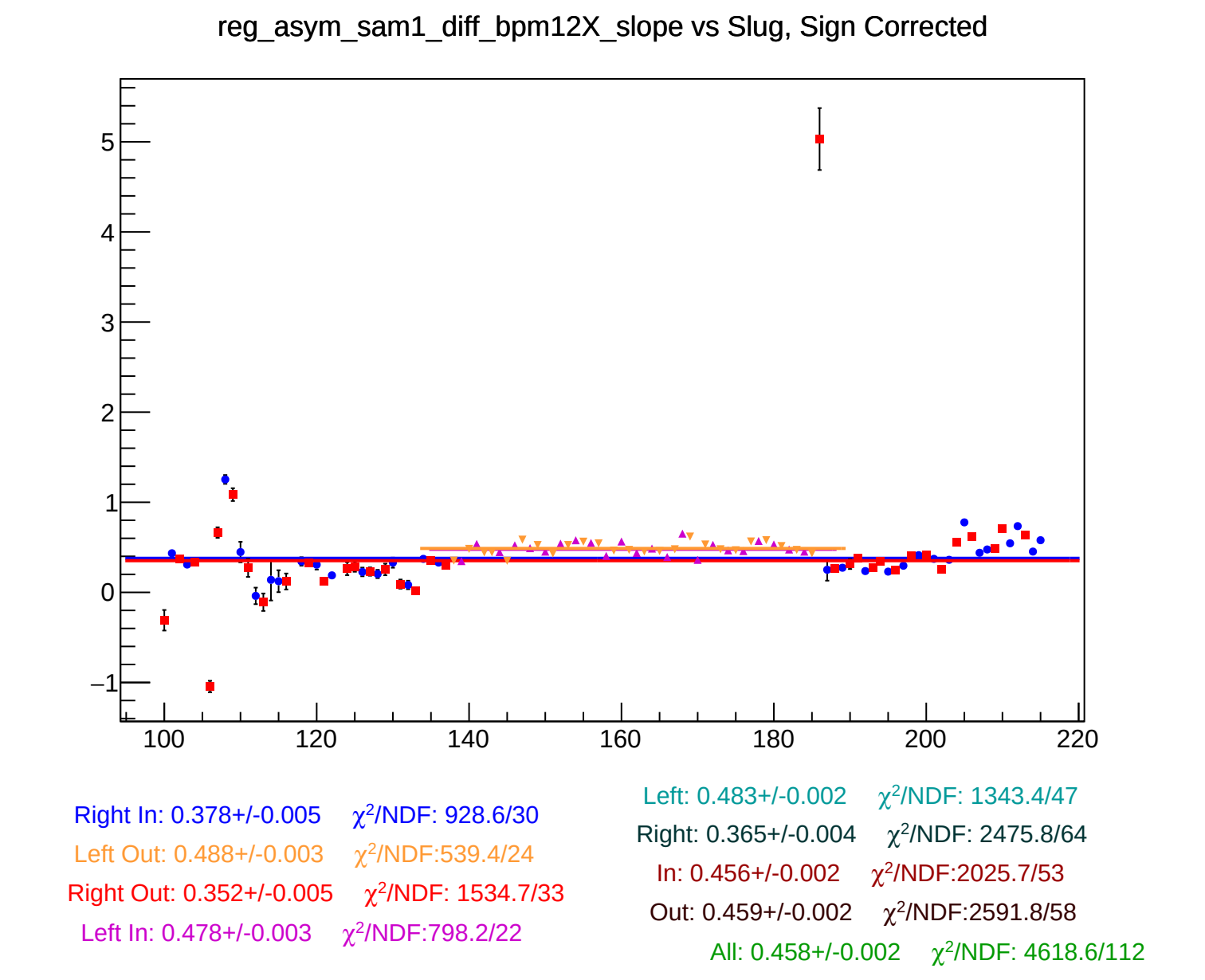
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

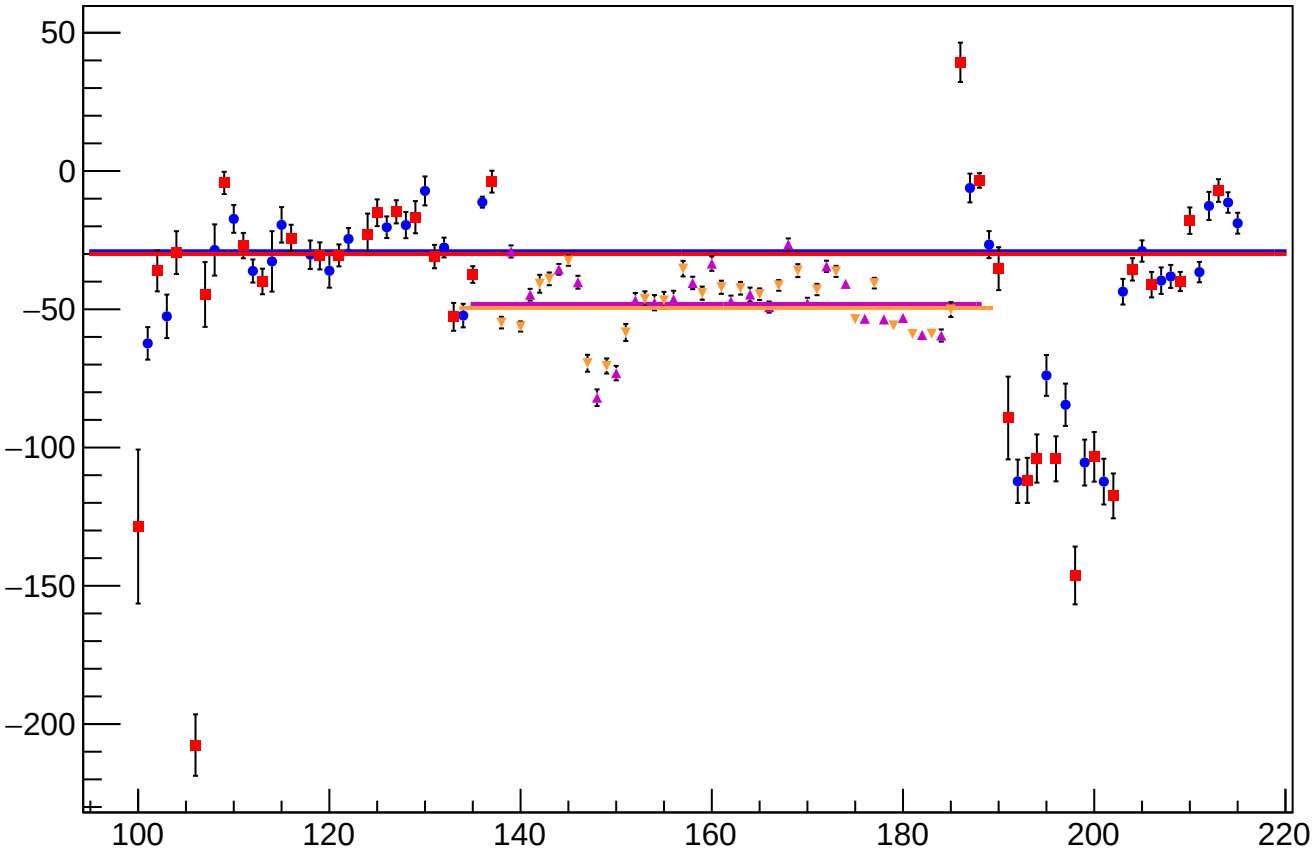
Right: 14.906+/-0.083 χ^2/NDF: 11016.3/64

In: 12.105+/-0.056 χ^2/NDF:8366.5/53

Out: 12.309+/-0.055 χ^2/NDF:9778.0/58

All: 12.209+/-0.039 χ^2/NDF: 18151.3/112


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: 0.378+/-0.005 χ²/NDF: 928.6/30
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.352+/-0.005 χ²/NDF: 1534.7/33
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.365+/-0.004 χ²/NDF: 2475.8/64
In: 0.456+/-0.002 χ²/NDF:2025.7/53
Out: 0.459+/-0.002 χ²/NDF:2591.8/58
All: 0.458+/-0.002 χ²/NDF: 4618.6/112



Right In: -29.026+/-0.823 χ^2/NDF: 662.7/30

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -29.991+/-0.867 χ^2/NDF: 1245.4/33

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

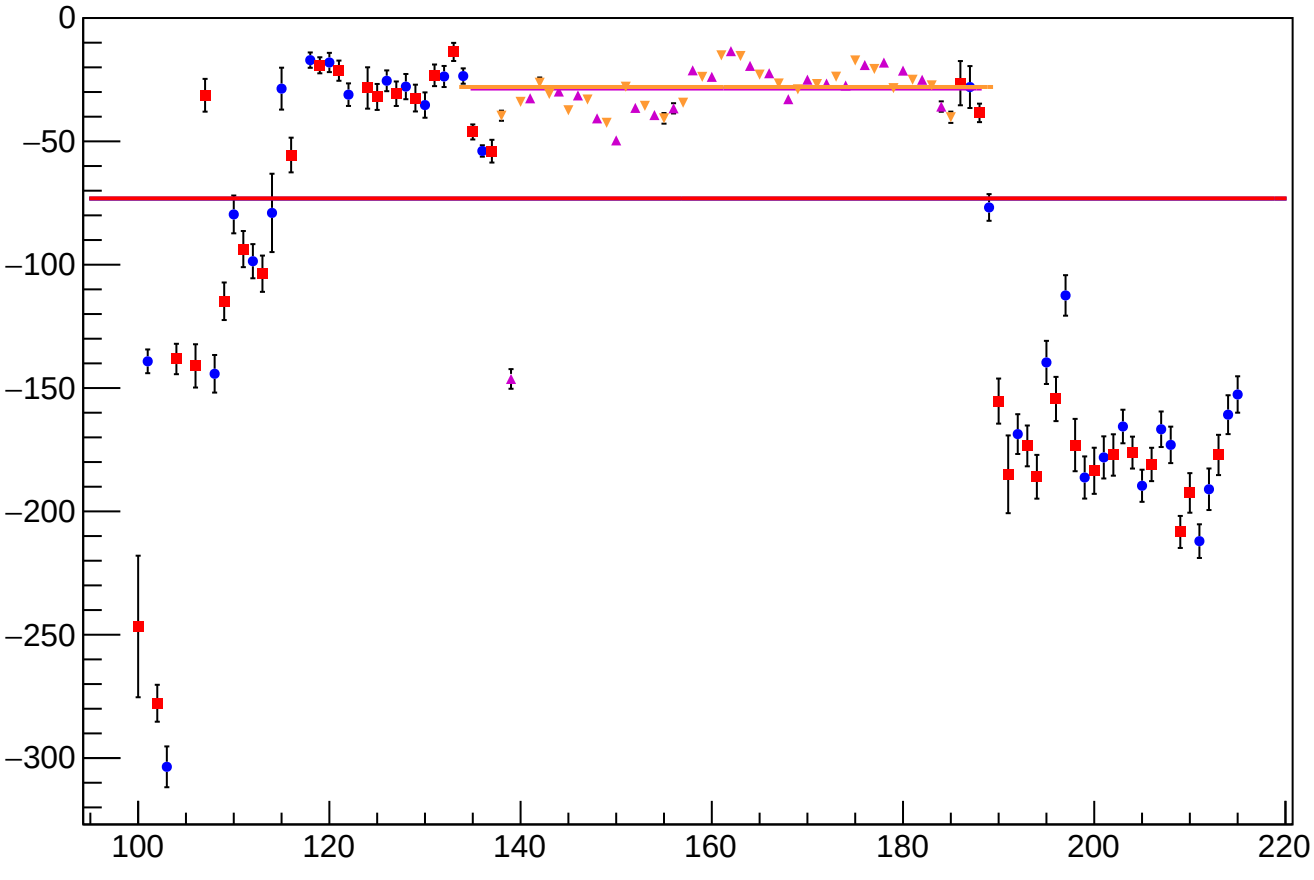
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -29.483+/-0.597 χ^2/NDF: 1908.7/64

In: -44.168+/-0.373 χ^2/NDF:1795.4/53

Out: -46.053+/-0.365 χ^2/NDF:2239.3/58

All: -45.131+/-0.261 χ^2/NDF: 4047.8/112



Right In: -73.219+/-0.955 χ^2/NDF: 4701.9/30

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -73.121+/-1.005 χ^2/NDF: 4540.1/33

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

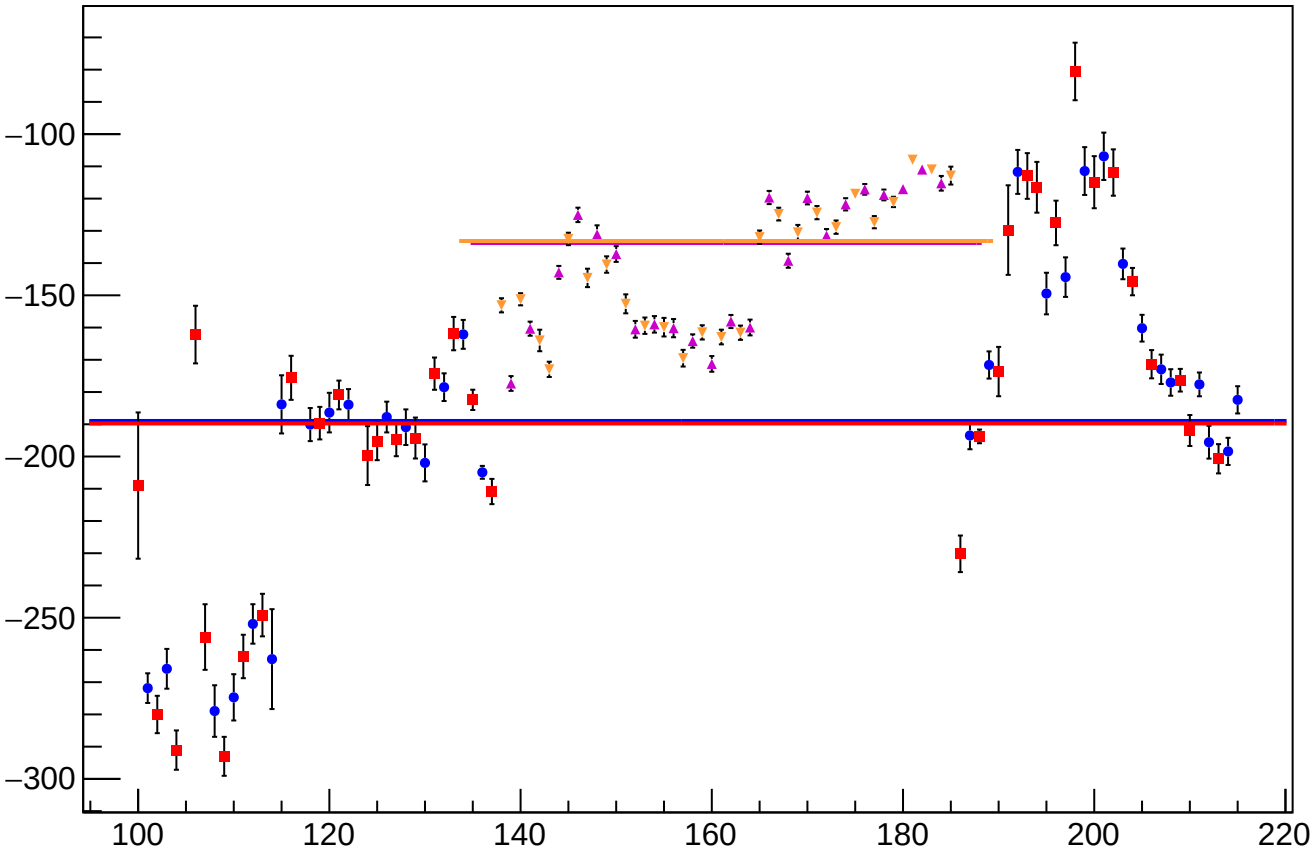
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -73.173+/-0.692 χ^2/NDF: 9242.0/64

In: -33.446+/-0.315 χ^2/NDF:8128.9/53

Out: -32.138+/-0.306 χ^2/NDF:6869.0/58

All: -32.773+/-0.219 χ^2/NDF: 15006.8/112



Right In: -188.976+/-0.853 χ^2/NDF: 1652.8/30

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.747+/-0.888 χ^2/NDF: 2005.0/33

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

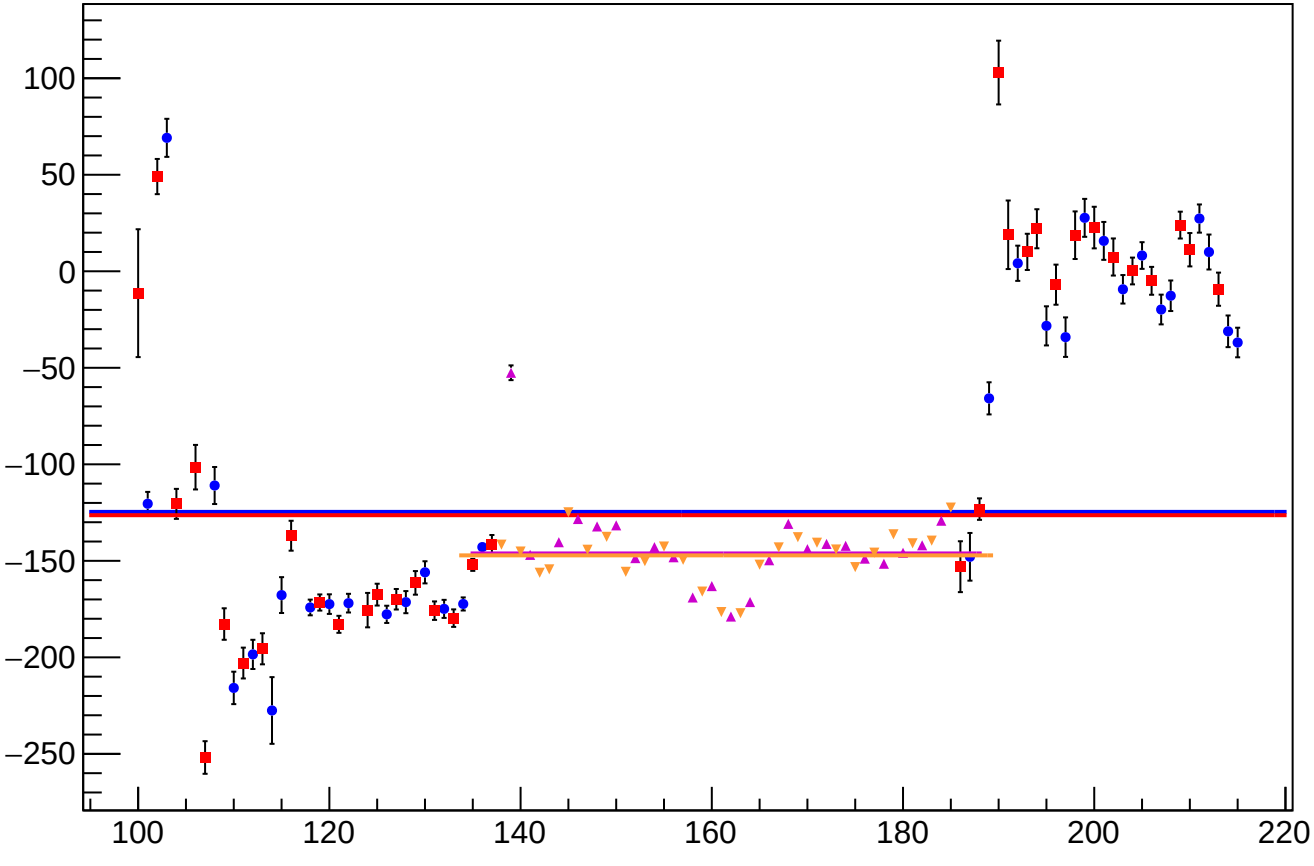
Right: -189.347+/-0.615 χ^2/NDF: 3658.2/64

In: -144.422+/-0.375 χ^2/NDF:7473.0/53

Out: -142.823+/-0.367 χ^2/NDF:7906.0/58

All: -143.606+/-0.262 χ^2/NDF: 15388.3/112

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -124.645+/-1.070 χ^2/NDF: 4384.1/30

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -126.361+/-1.148 χ^2/NDF: 4479.9/33

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

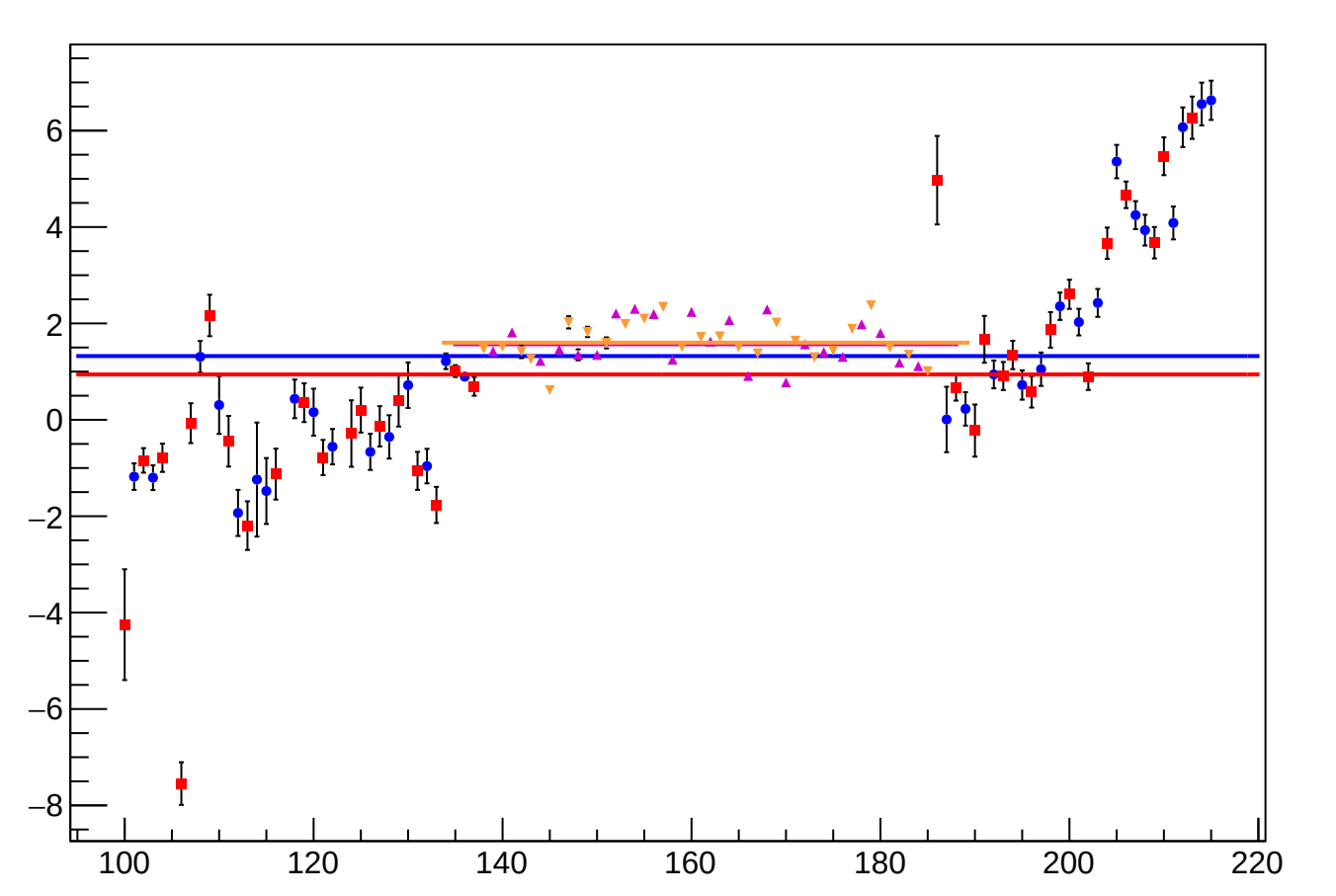
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

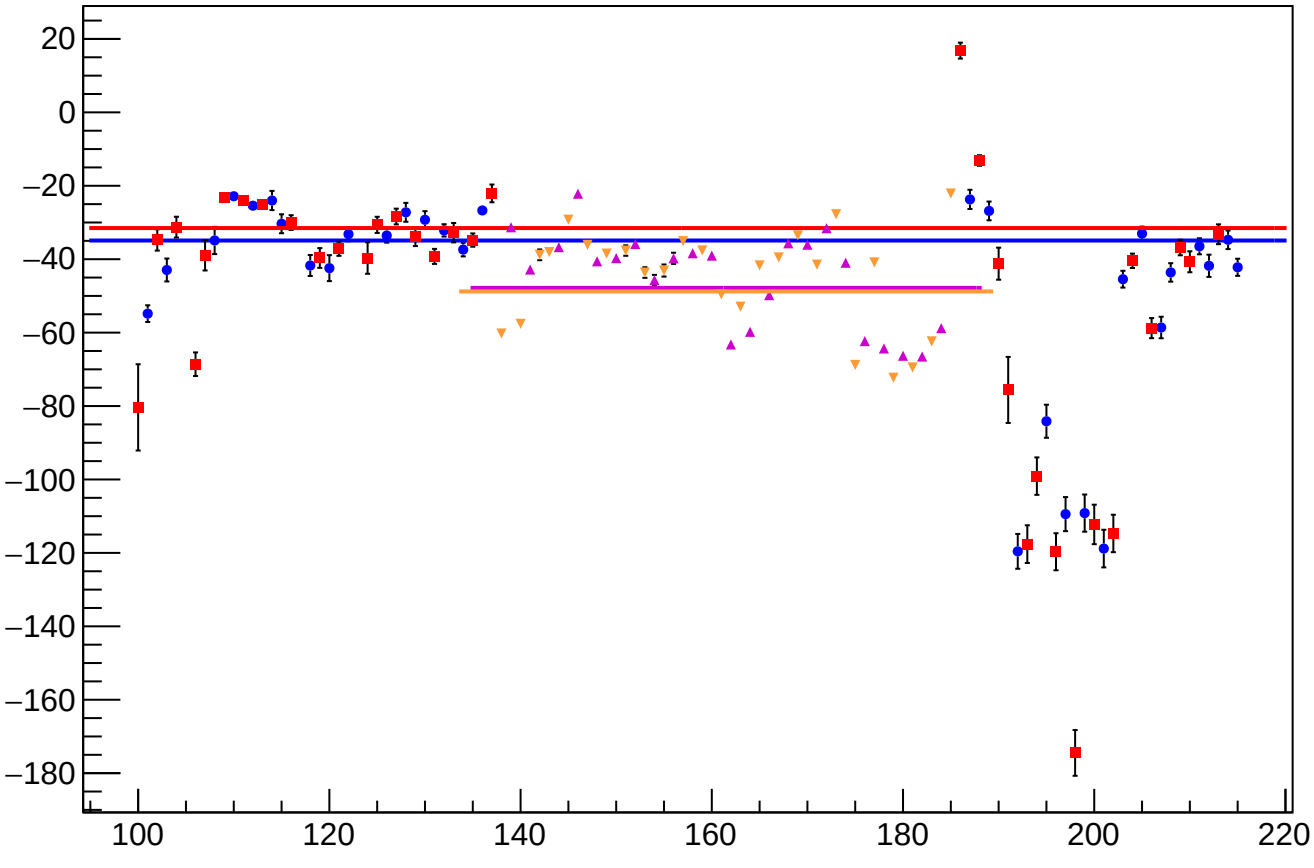
Right: -125.443+/-0.783 χ^2/NDF: 8865.2/64

In: -143.867+/-0.350 χ^2/NDF:6539.5/53

Out: -145.321+/-0.342 χ^2/NDF:6025.1/58

All: -144.611+/-0.245 χ^2/NDF: 12573.4/112


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 1.322+/-0.052 χ²/NDF: 1257.6/30
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 0.941+/-0.056 χ²/NDF: 1335.7/33
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 1.146+/-0.038 χ²/NDF: 2618.4/64
In: 1.545+/-0.016 χ²/NDF:2013.1/53
Out: 1.551+/-0.015 χ²/NDF:2046.7/58
All: 1.548+/-0.011 χ²/NDF: 4059.9/112



Right In: -34.910+/-0.393 χ^2/NDF: 1671.5/30

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.516+/-0.384 χ^2/NDF: 2953.6/33

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

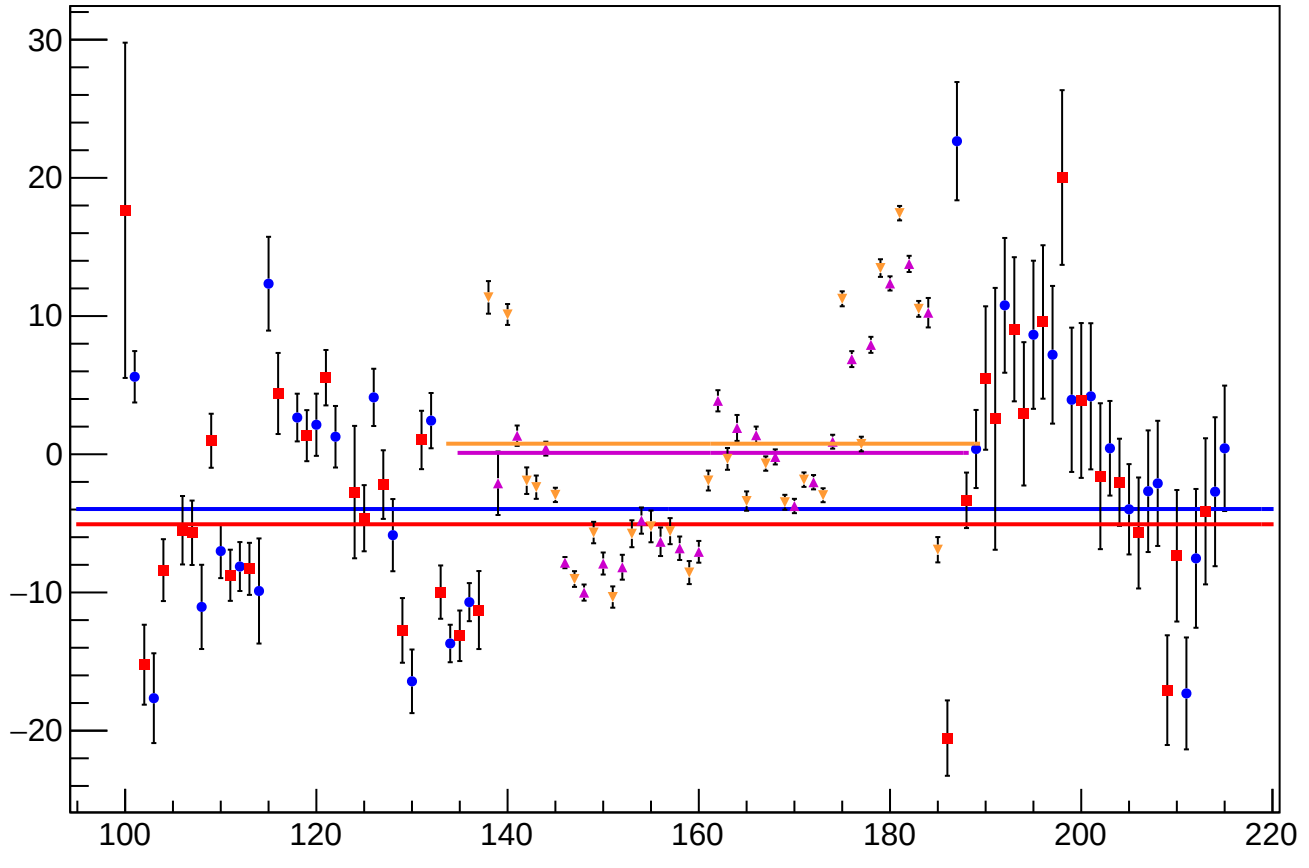
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

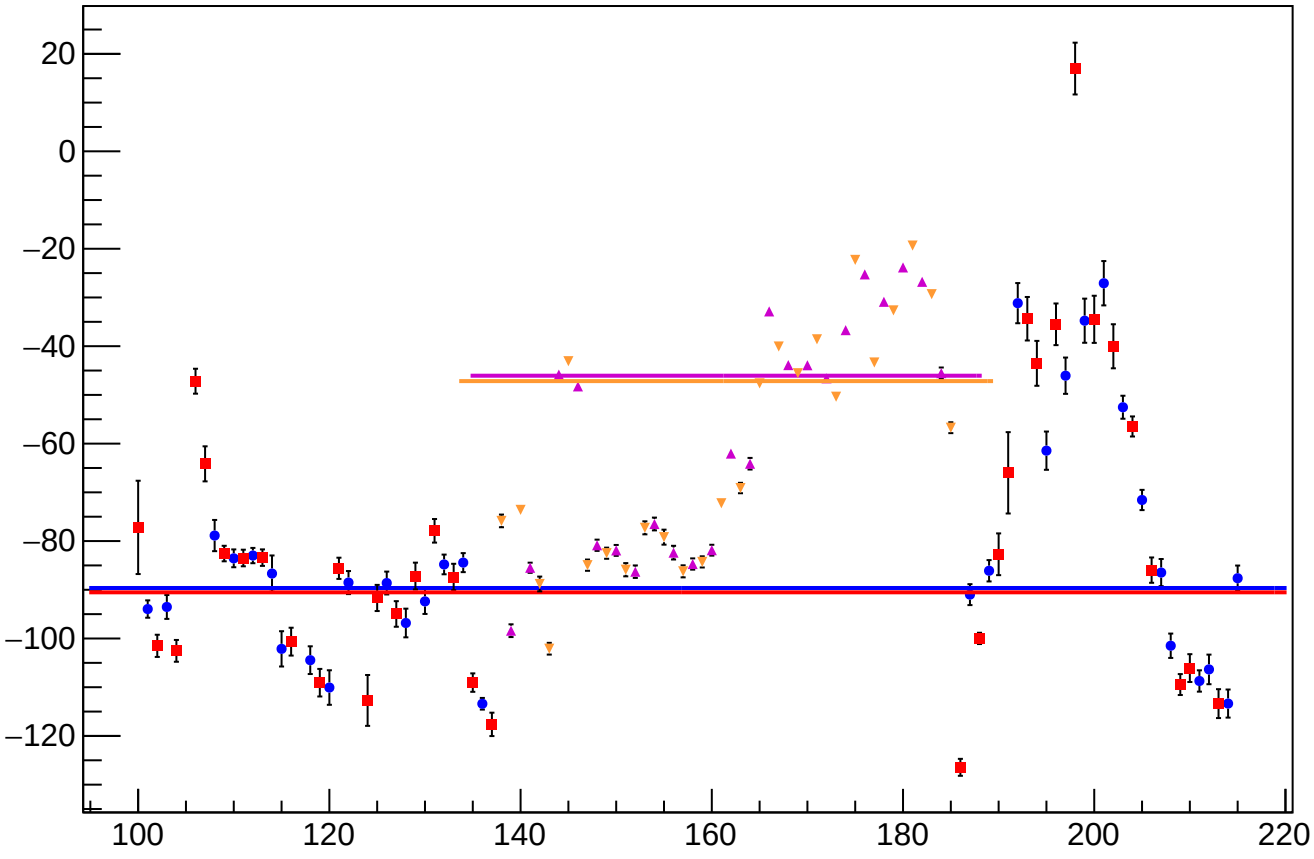
Right: -33.176+/-0.275 χ^2/NDF: 4663.3/64

In: -45.784+/-0.156 χ^2/NDF:9805.3/53

Out: -46.044+/-0.153 χ^2/NDF:13607.9/58

All: -45.917+/-0.109 χ^2/NDF: 23414.6/112


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: -3.962+/-0.462 χ²/NDF: 321.0/30
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -5.065+/-0.467 χ²/NDF: 220.0/33
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.507+/-0.329 χ²/NDF: 543.8/64
In: -0.209+/-0.128 χ²/NDF:3114.2/53
Out: 0.332+/-0.127 χ²/NDF:3831.5/58
All: 0.063+/-0.090 χ²/NDF: 6954.7/112



Right In: -89.632+/-0.428 χ^2/NDF: 1785.9/30

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.522+/-0.421 χ^2/NDF: 2833.2/33

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

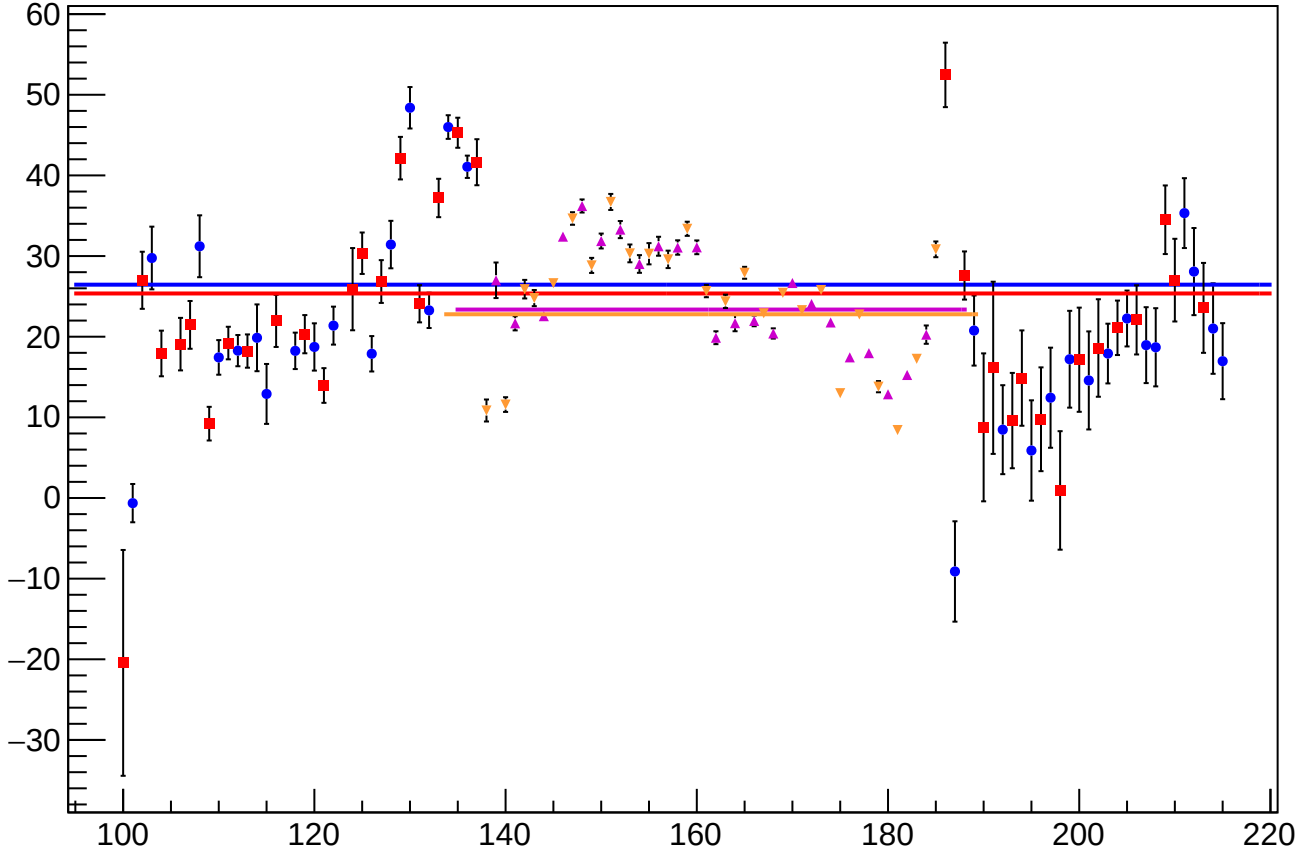
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -90.084+/-0.300 χ^2/NDF: 4621.3/64

In: -52.017+/-0.158 χ^2/NDF:25522.7/53

Out: -53.104+/-0.156 χ^2/NDF:29660.7/58

All: -52.569+/-0.111 χ^2/NDF: 55207.4/112



Right In: 26.451+/-0.519 χ^2/NDF: 679.6/30

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.360+/-0.536 χ^2/NDF: 442.3/33

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

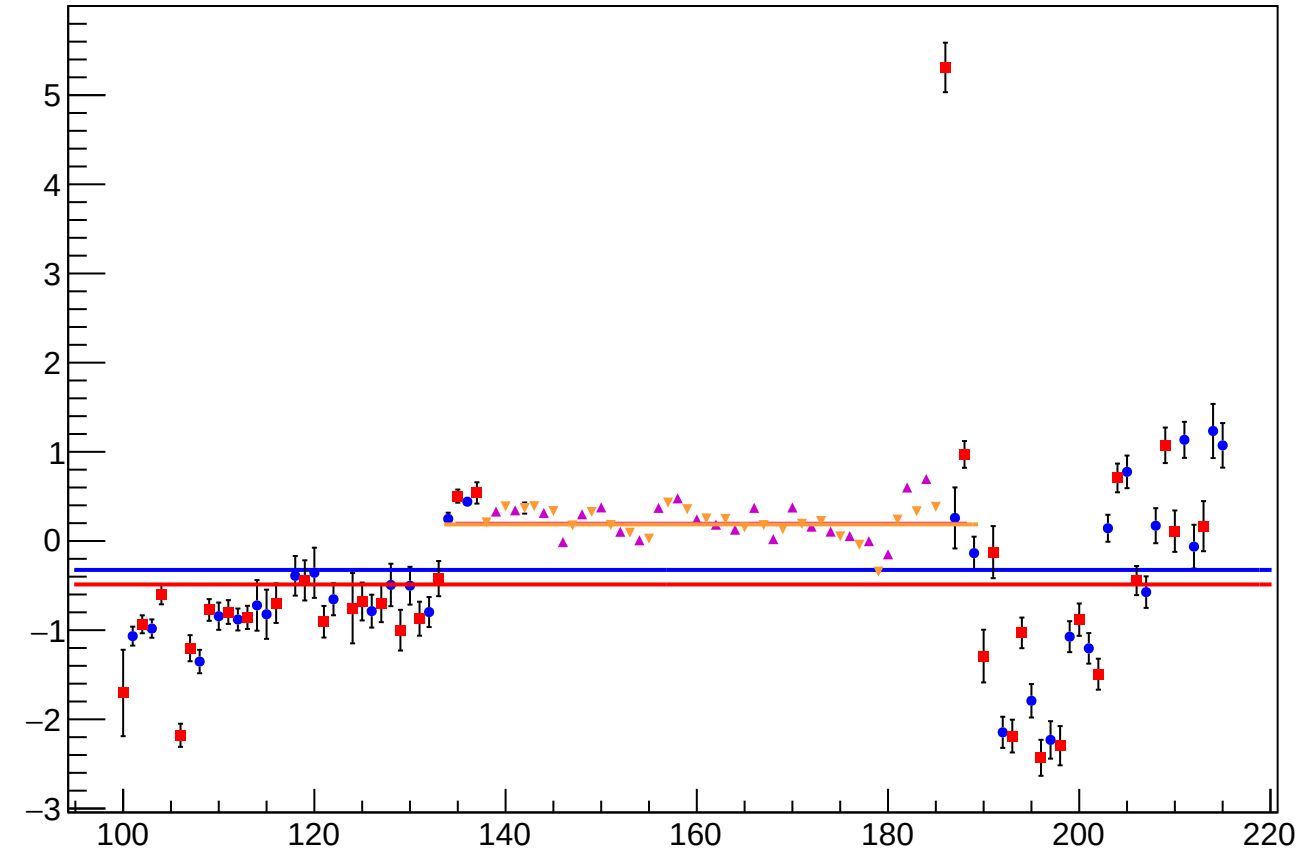
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.923+/-0.373 χ^2/NDF: 1124.0/64

In: 23.600+/-0.143 χ^2/NDF:2497.6/53

Out: 22.963+/-0.142 χ^2/NDF:2876.8/58

All: 23.279+/-0.101 χ^2/NDF: 5384.4/112



Right In: -0.324+/-0.026 χ^2/NDF: 924.4/30

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.488+/-0.028 χ^2/NDF: 1475.1/33

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

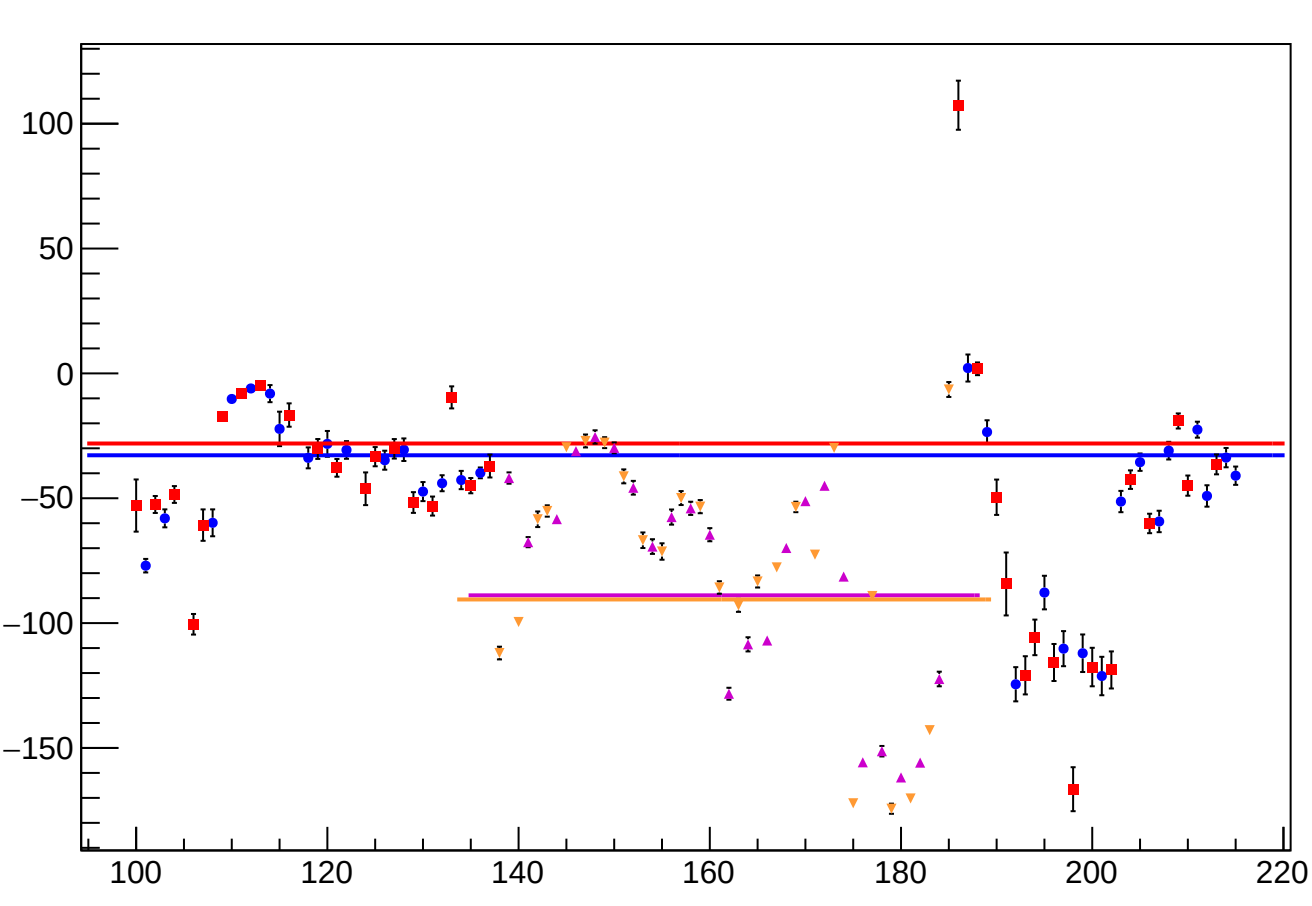
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.402+/-0.019 χ^2/NDF: 2417.9/64

In: 0.162+/-0.006 χ^2/NDF:2228.5/53

Out: 0.150+/-0.006 χ^2/NDF:2684.5/58

All: 0.156+/-0.005 χ^2/NDF: 4914.7/112



Right In: -32.792+/-0.616 χ^2/NDF: 1682.5/30

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -28.075+/-0.583 χ^2/NDF: 2426.5/33

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

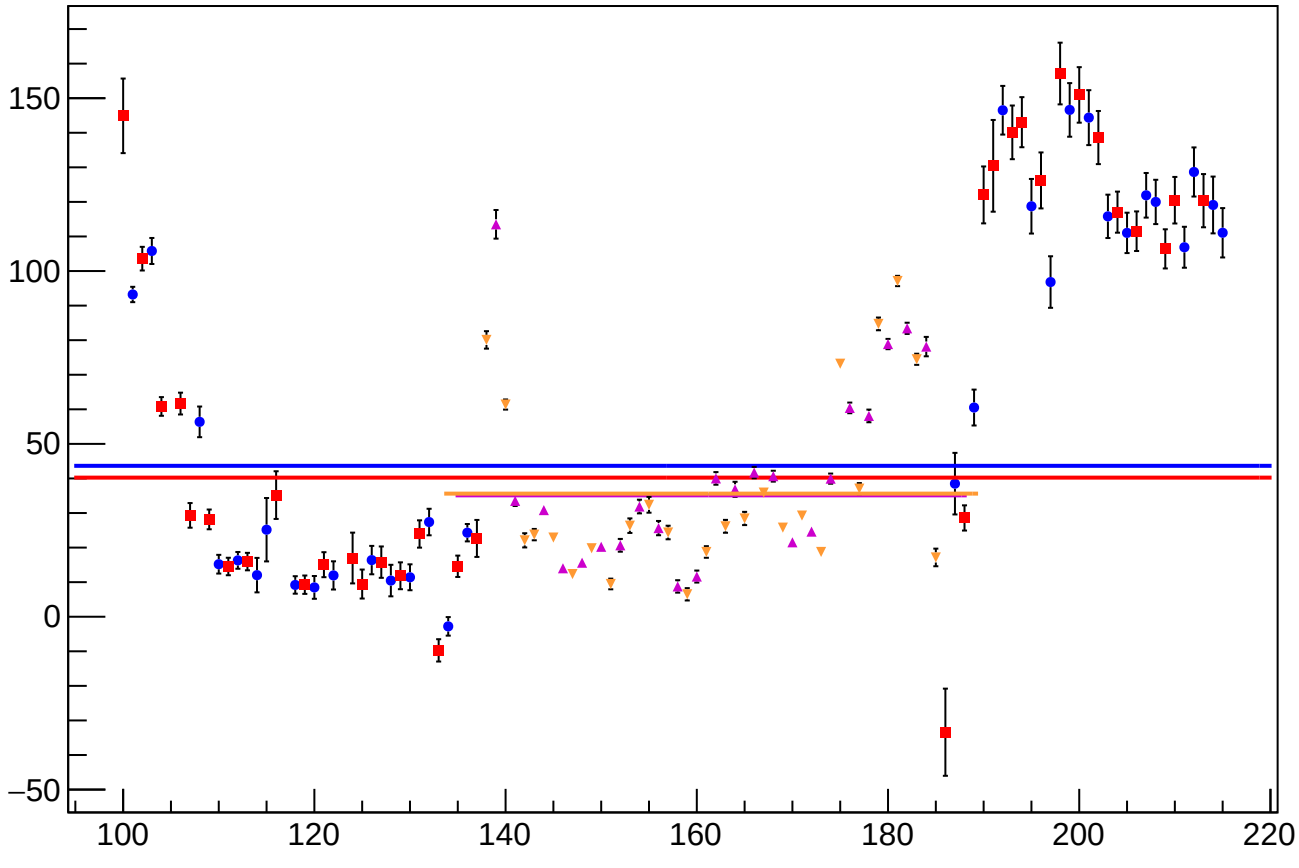
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.303+/-0.424 χ^2/NDF: 4139.9/64

In: -70.268+/-0.355 χ^2/NDF:19030.8/53

Out: -69.113+/-0.341 χ^2/NDF:25323.4/58

All: -69.668+/-0.246 χ^2/NDF: 44359.7/112



Right In: 43.654+/-0.734 χ^2/NDF: 3656.7/30

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 40.240+/-0.725 χ^2/NDF: 3334.3/33

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

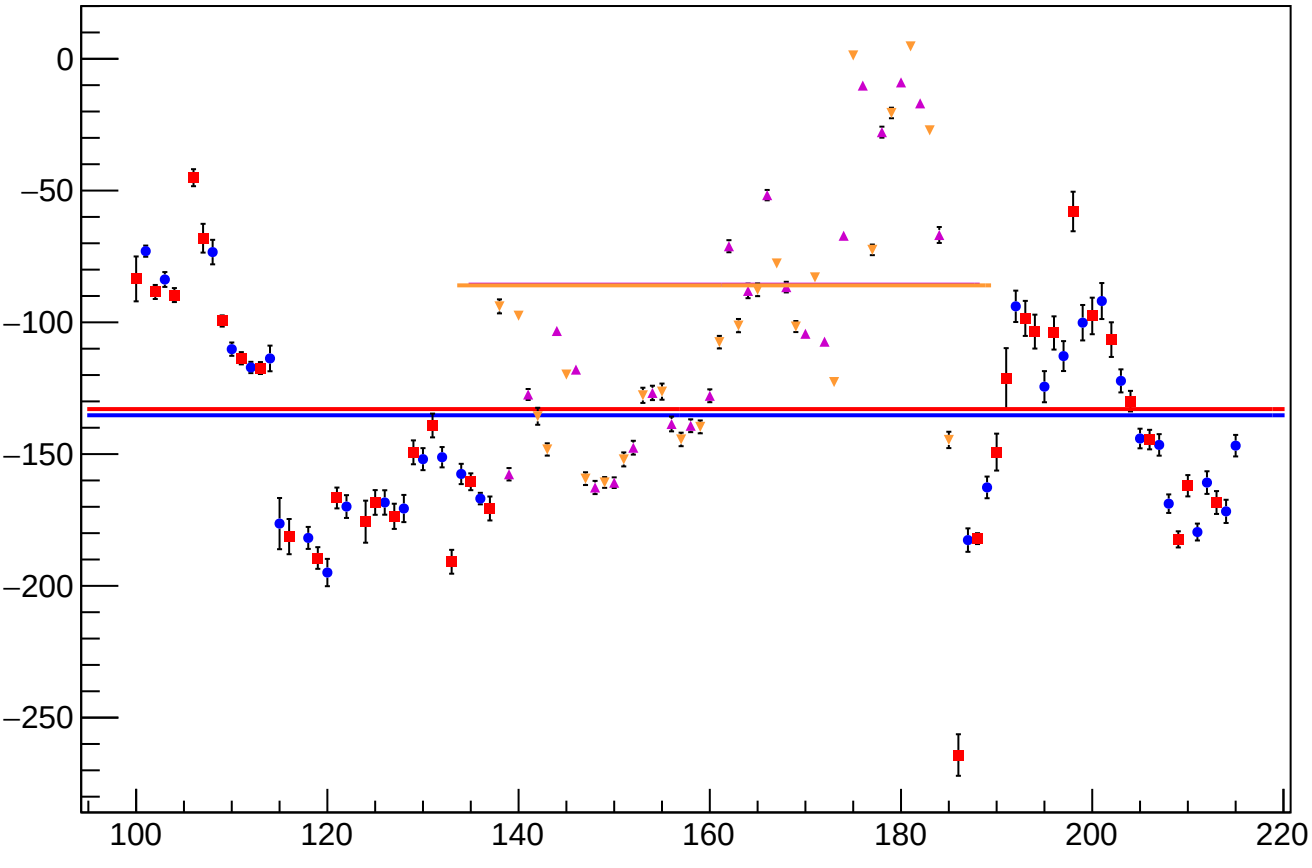
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 41.927+/-0.516 χ^2/NDF: 7002.0/64

In: 36.595+/-0.306 χ^2/NDF:7913.2/53

Out: 36.389+/-0.297 χ^2/NDF:9341.2/58

All: 36.489+/-0.213 χ^2/NDF: 17254.6/112



Right In: -135.268+/-0.671 χ^2/NDF: 2981.6/30

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -132.918+/-0.653 χ^2/NDF: 4068.6/33

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

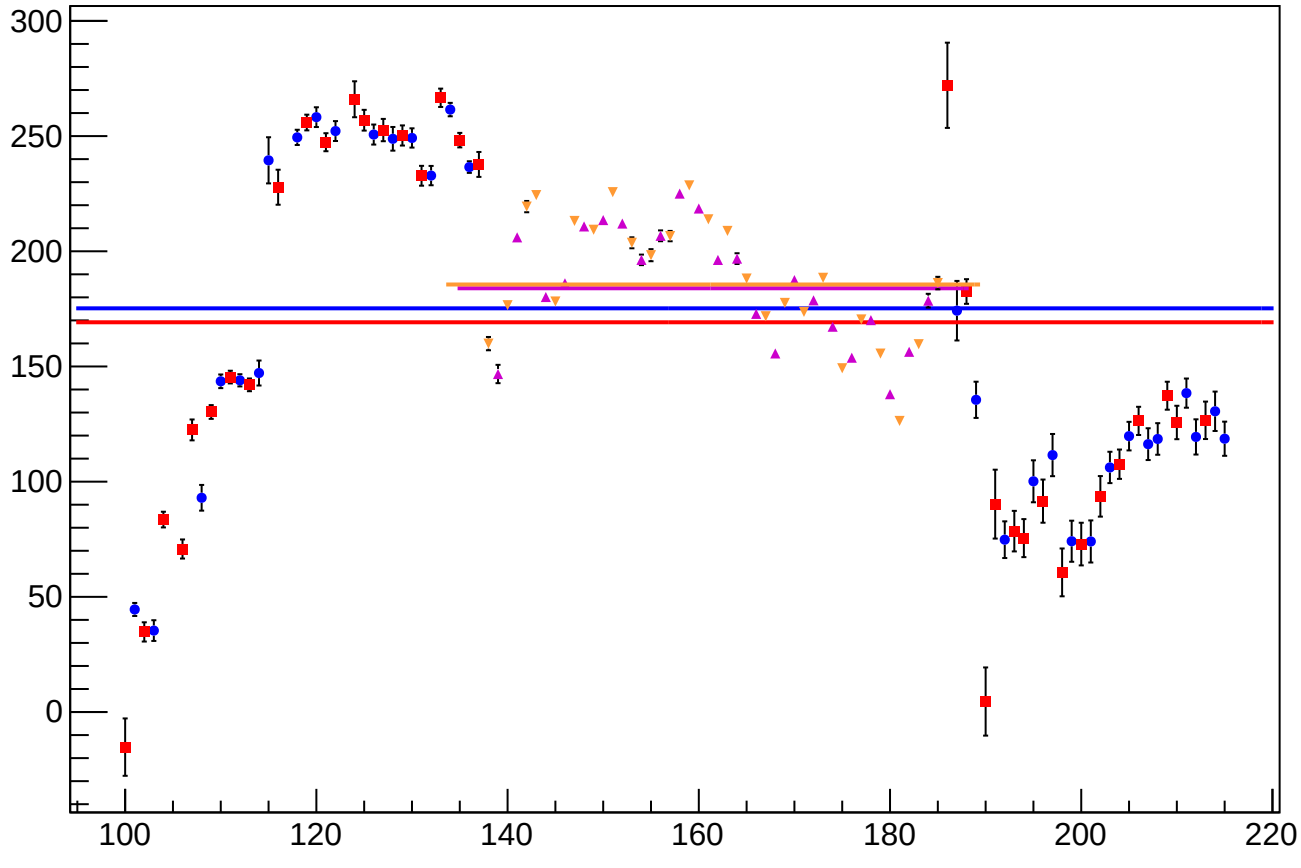
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -134.062+/-0.468 χ^2/NDF: 7056.5/64

In: -100.261+/-0.363 χ^2/NDF:20597.5/53

Out: -99.738+/-0.354 χ^2/NDF:23951.6/58

All: -99.992+/-0.254 χ^2/NDF: 44550.2/112



Right In: 175.236+/-0.834 χ^2/NDF: 8364.3/30

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 169.182+/-0.832 χ^2/NDF: 7802.0/33

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

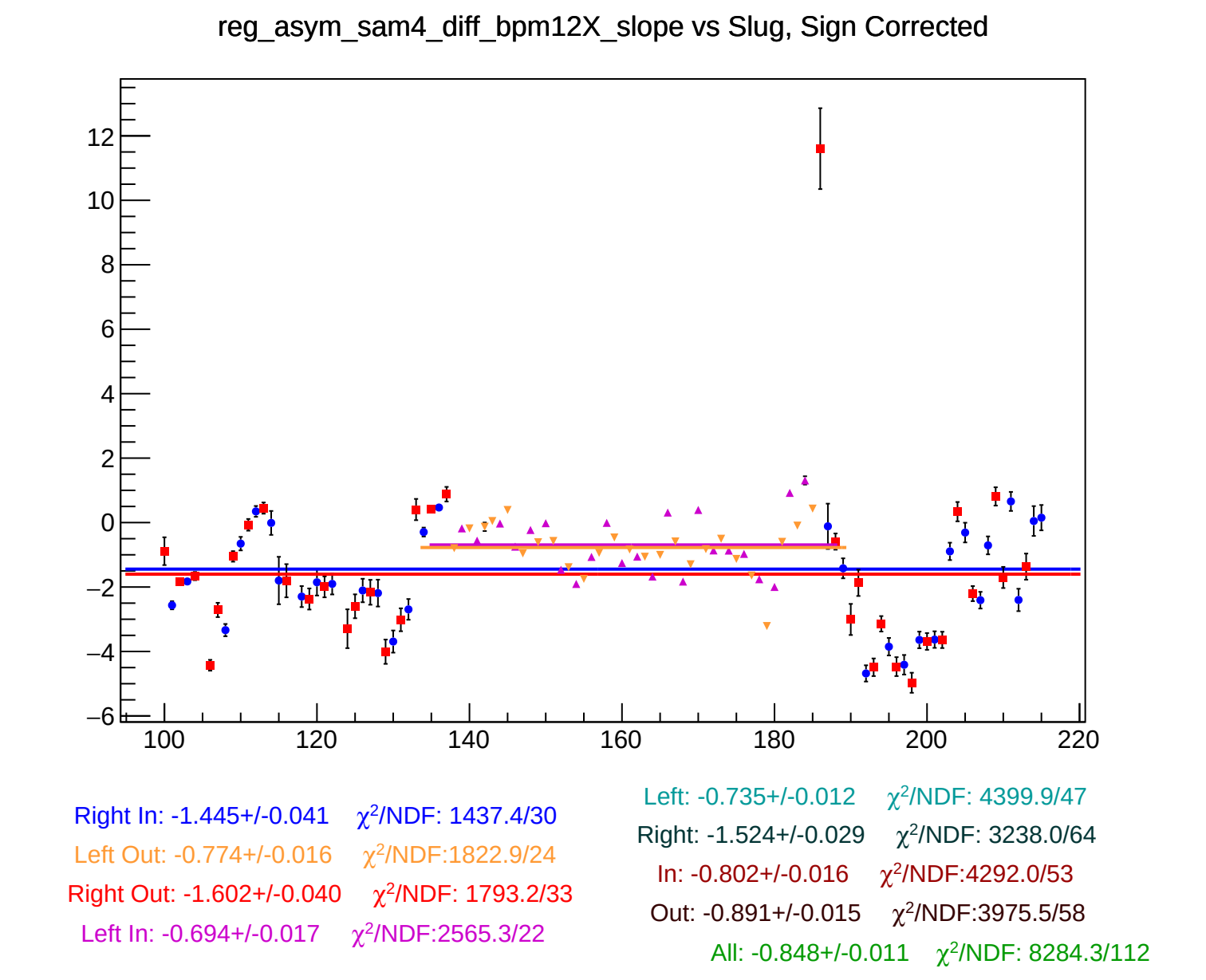
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 172.200+/-0.589 χ^2/NDF: 16192.7/64

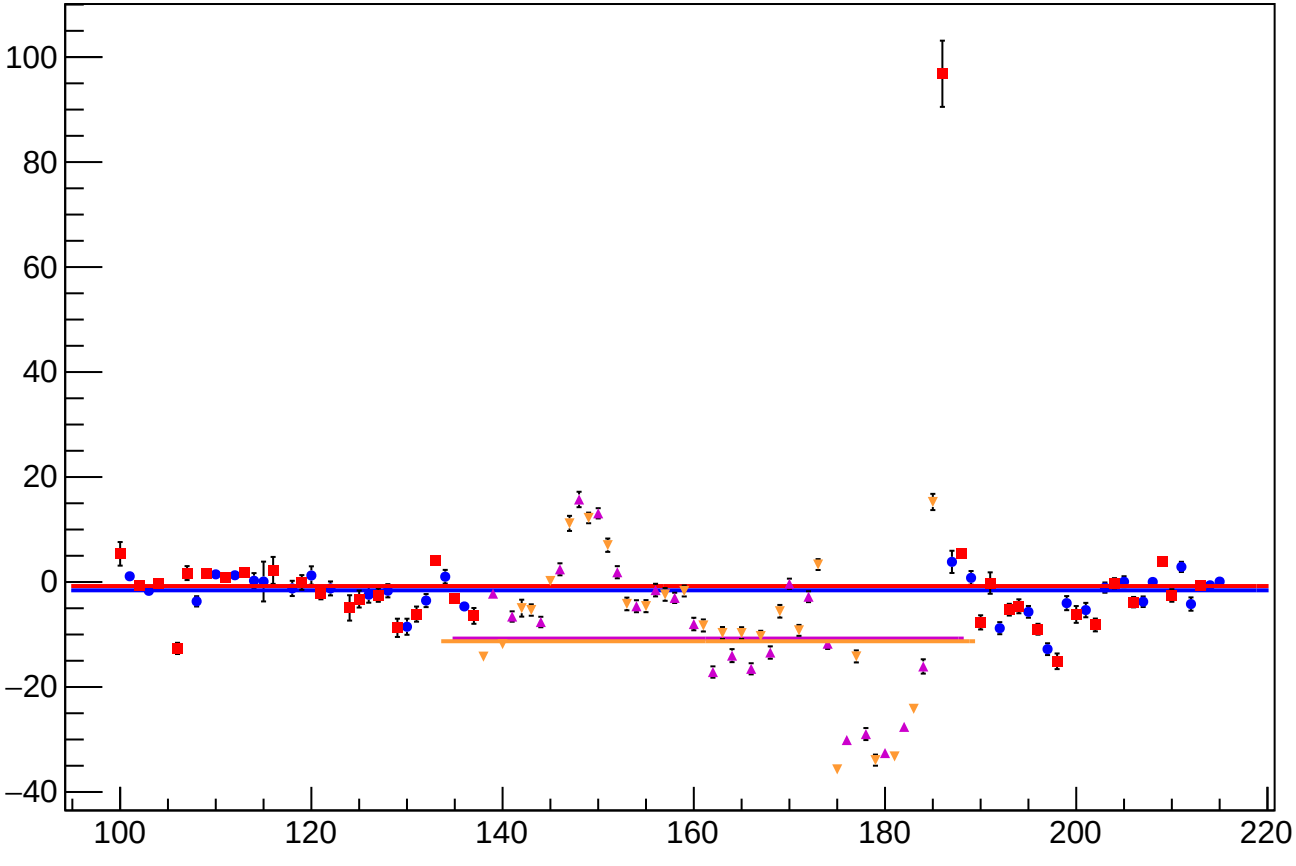
In: 182.460+/-0.344 χ^2/NDF:12328.2/53

Out: 182.914+/-0.336 χ^2/NDF:13482.1/58

All: 182.693+/-0.240 χ^2/NDF: 25811.2/112


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: -1.445+/-0.041 χ2/NDF: 1437.4/30
Left Out: -0.774+/-0.016 χ2/NDF:1822.9/24
Right Out: -1.602+/-0.040 χ2/NDF: 1793.2/33
Left In: -0.694+/-0.017 χ2/NDF:2565.3/22
Left: -0.735+/-0.012 χ2/NDF: 4399.9/47
Right: -1.524+/-0.029 χ2/NDF: 3238.0/64
In: -0.802+/-0.016 χ2/NDF:4292.0/53
Out: -0.891+/-0.015 χ2/NDF:3975.5/58
All: -0.848+/-0.011 χ2/NDF: 8284.3/112

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.581+/-0.187 χ^2/NDF: 323.5/30

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.766+/-0.175 χ^2/NDF: 929.0/33

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

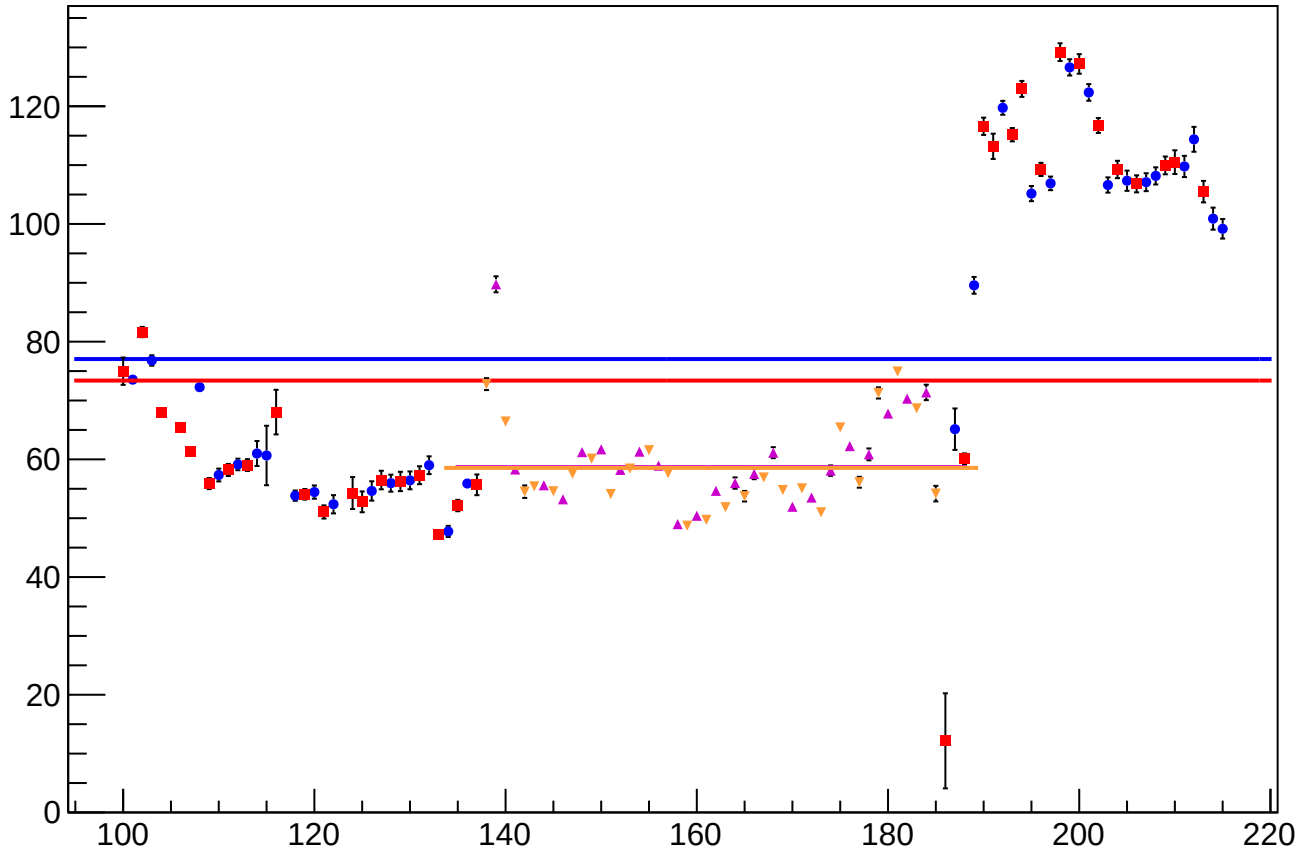
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.146+/-0.128 χ^2/NDF: 1262.6/64

In: -5.582+/-0.141 χ^2/NDF:5071.8/53

Out: -5.119+/-0.134 χ^2/NDF:6928.0/58

All: -5.339+/-0.097 χ^2/NDF: 12005.4/112



Right In: 77.045+/-0.219 χ^2/NDF: 11981.1/30

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 73.389+/-0.204 χ^2/NDF: 15937.1/33

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

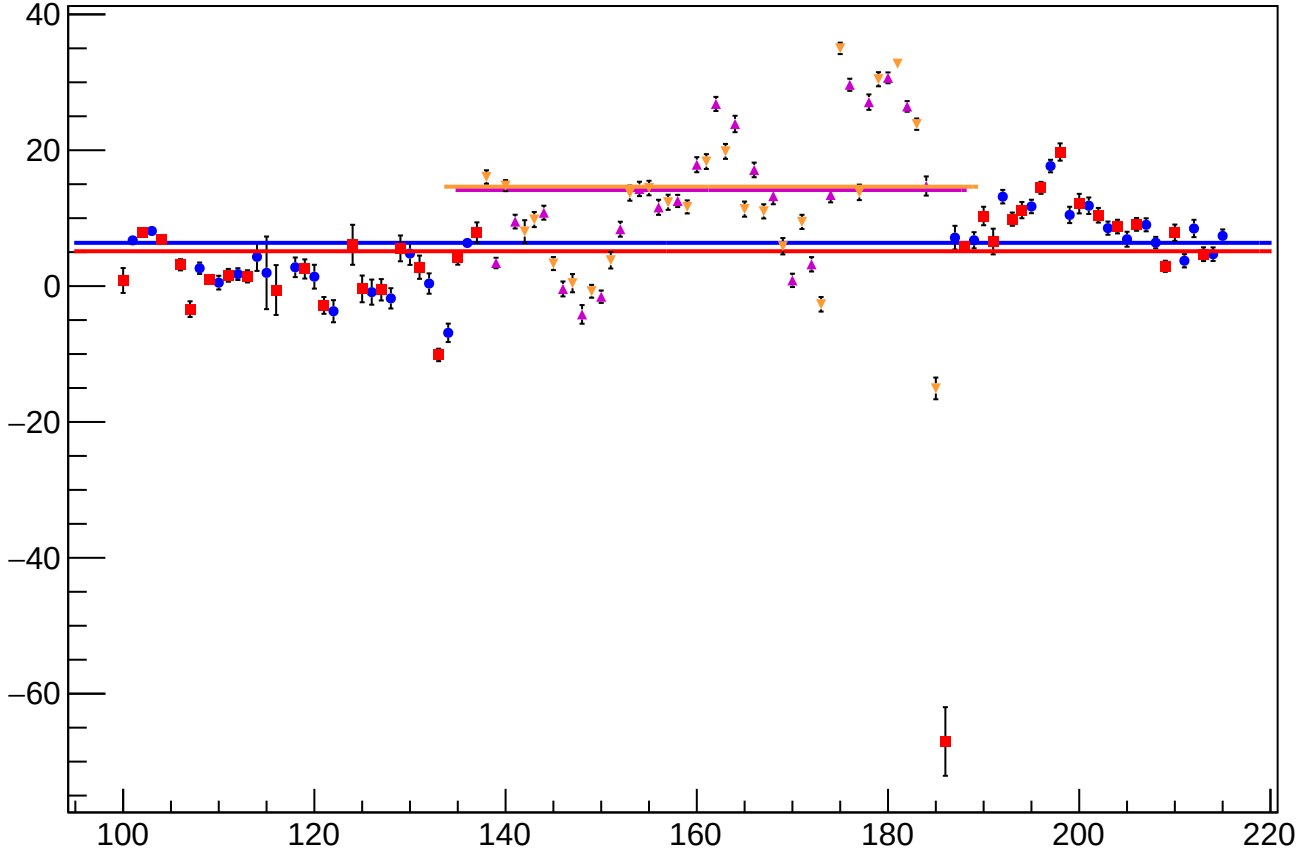
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 75.084+/-0.149 χ^2/NDF: 28067.8/64

In: 65.506+/-0.133 χ^2/NDF:18017.8/53

Out: 64.268+/-0.126 χ^2/NDF:21106.3/58

All: 64.853+/-0.092 χ^2/NDF: 39169.5/112



Right In: 6.369+/-0.189 χ^2/NDF: 583.7/30

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.131+/-0.178 χ^2/NDF: 1113.0/33

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

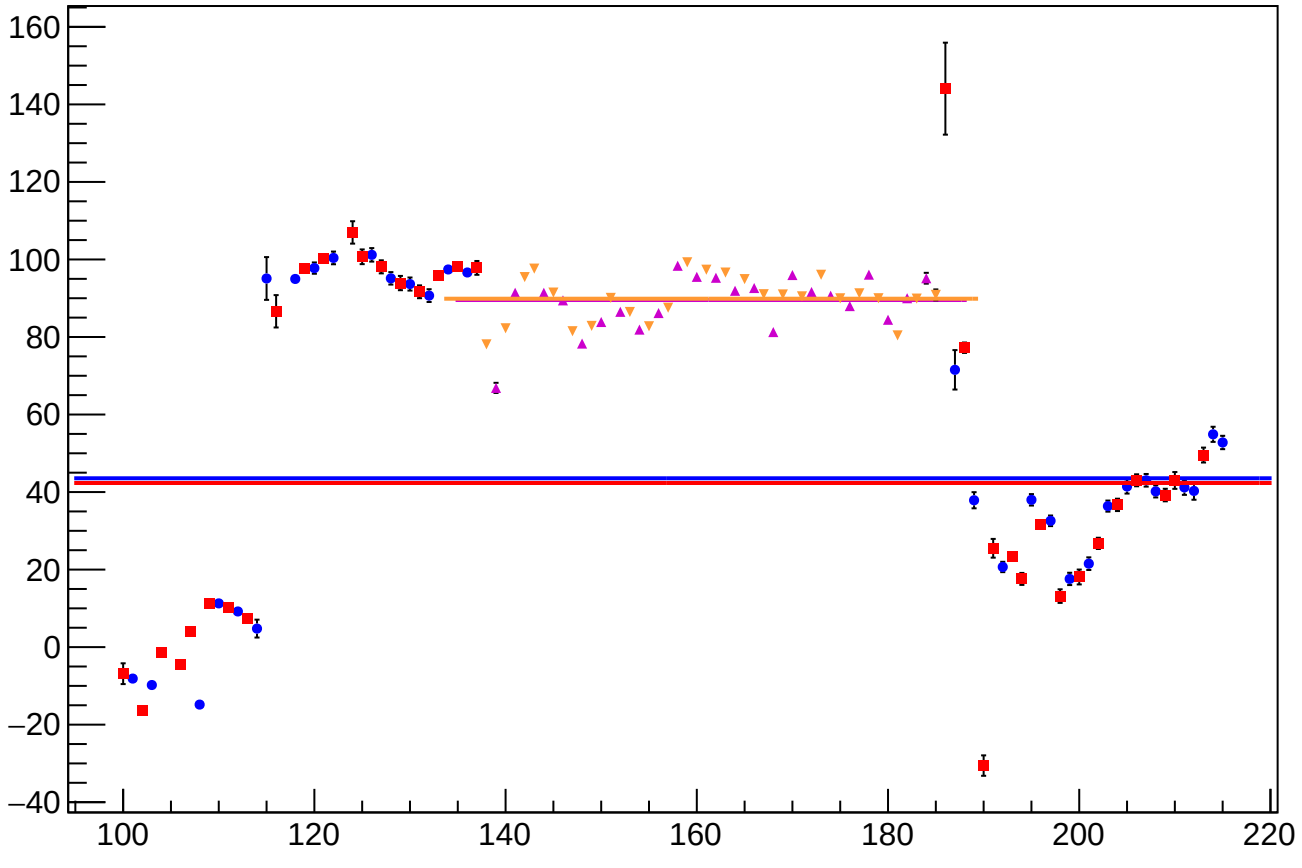
Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

Right: 5.713+/-0.130 χ^2/NDF: 1719.4/64

In: 9.830+/-0.141 χ^2/NDF:3876.9/53

Out: 9.177+/-0.135 χ^2/NDF:5288.8/58

All: 9.489+/-0.097 χ^2/NDF: 9176.9/112



Right In: 43.554+/-0.252 χ^2/NDF: 28003.5/30

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.339+/-0.238 χ^2/NDF: 31755.2/33

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

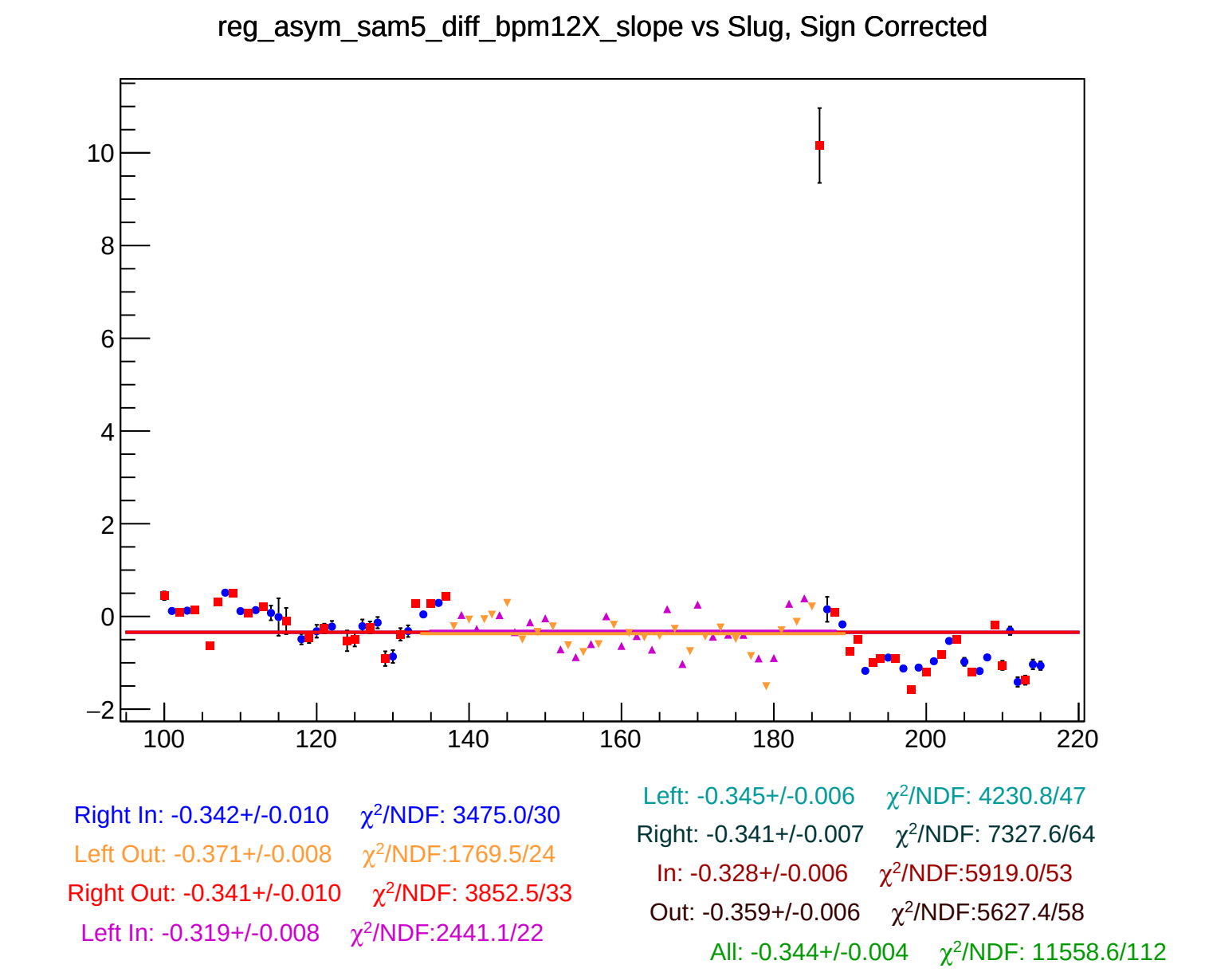
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

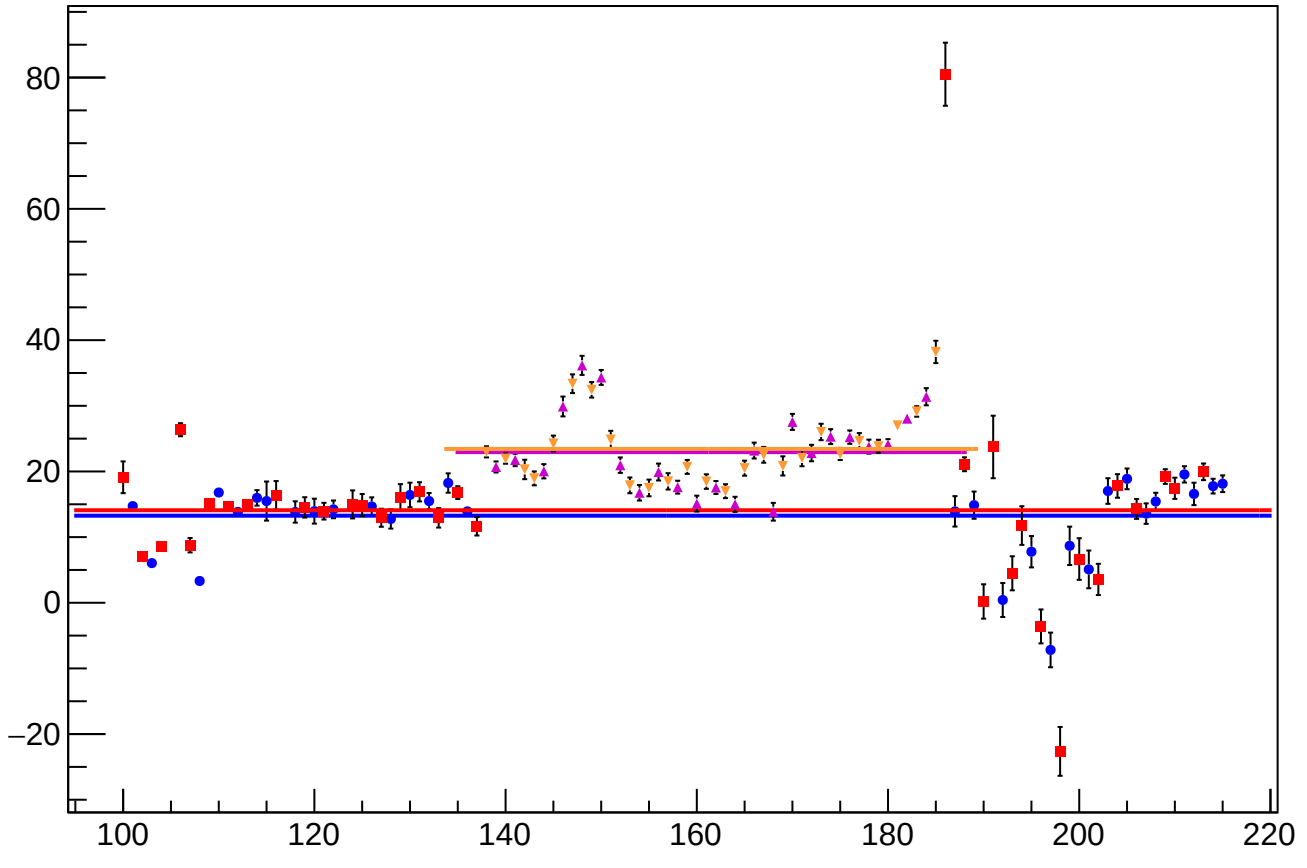
Right: 42.913+/-0.173 χ^2/NDF: 59770.9/64

In: 73.135+/-0.150 χ^2/NDF:50552.1/53

Out: 72.478+/-0.144 χ^2/NDF:58056.2/58

All: 72.793+/-0.104 χ^2/NDF: 108618.2/112


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.342+/-0.010 χ²/NDF: 3475.0/30
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: -0.341+/-0.010 χ²/NDF: 3852.5/33
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: -0.341+/-0.007 χ²/NDF: 7327.6/64
In: -0.328+/-0.006 χ²/NDF:5919.0/53
Out: -0.359+/-0.006 χ²/NDF:5627.4/58
All: -0.344+/-0.004 χ²/NDF: 11558.6/112



Right In: 13.264+/-0.192 χ^2/NDF: 572.4/30

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.092+/-0.188 χ^2/NDF: 908.4/33

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

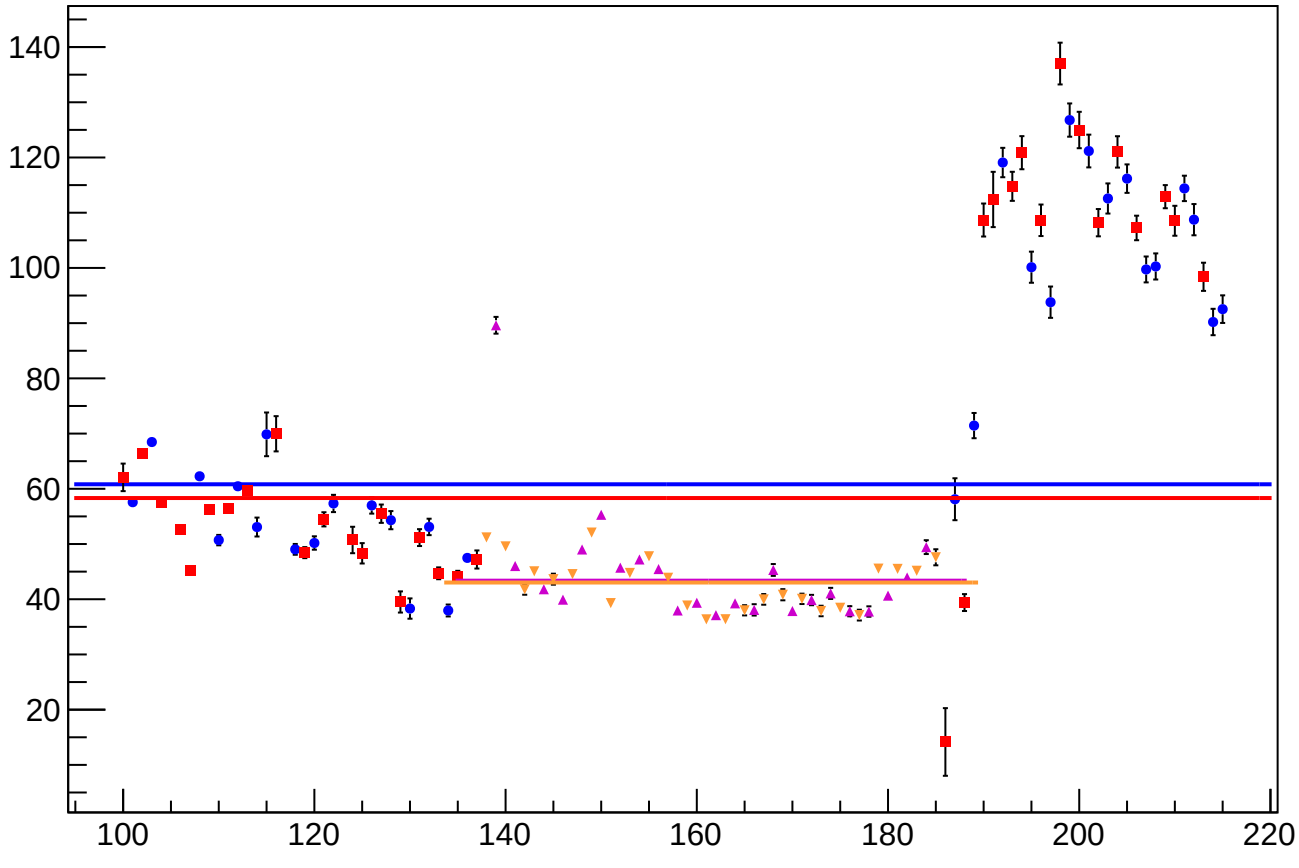
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.689+/-0.134 χ^2/NDF: 1490.3/64

In: 17.349+/-0.146 χ^2/NDF:2205.5/53

Out: 18.109+/-0.142 χ^2/NDF:2403.2/58

All: 17.741+/-0.102 χ^2/NDF: 4622.6/112



Right In: 60.819+/-0.211 χ^2/NDF: 5720.0/30

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 58.328+/-0.213 χ^2/NDF: 6652.6/33

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

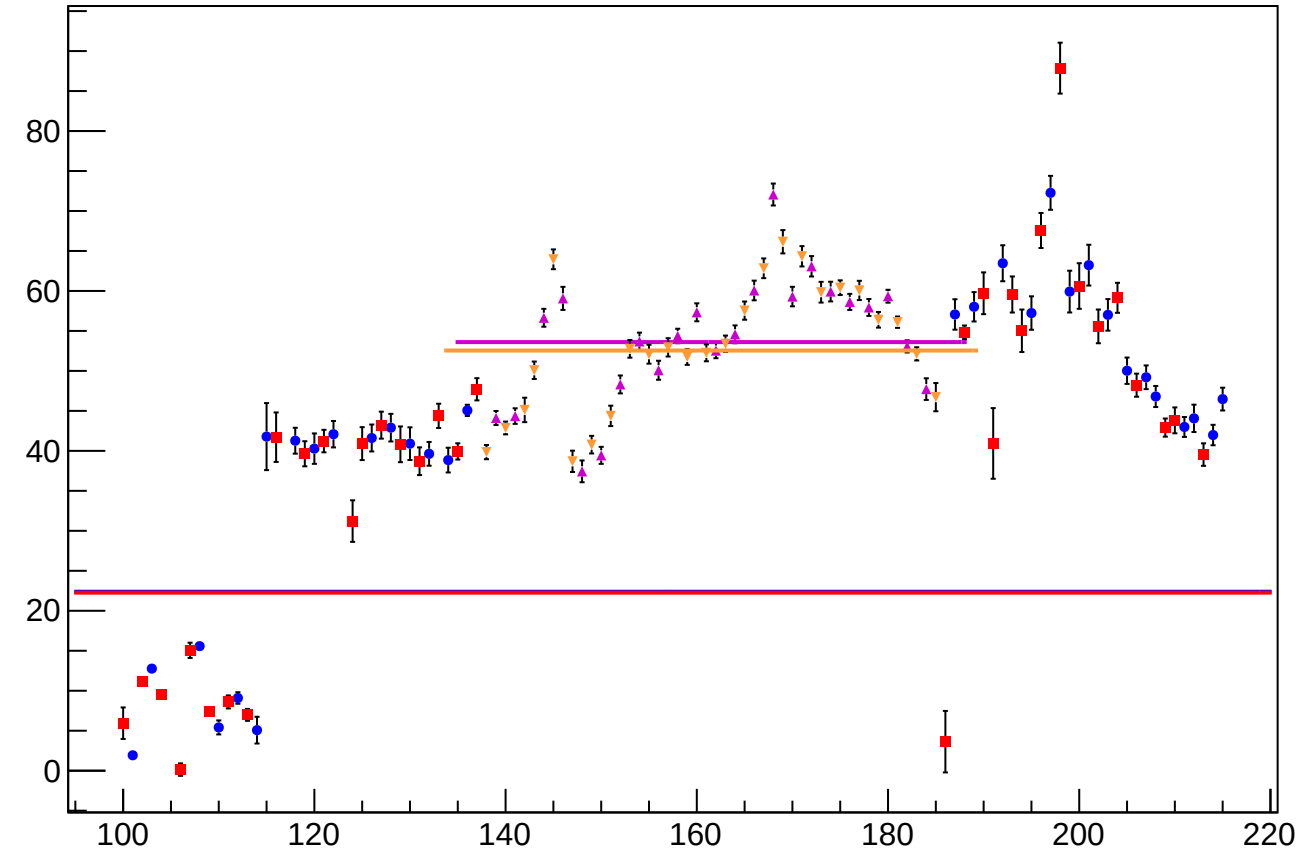
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 59.587+/-0.150 χ^2/NDF: 12441.5/64

In: 50.580+/-0.136 χ^2/NDF:11423.6/53

Out: 48.857+/-0.132 χ^2/NDF:10619.3/58

All: 49.693+/-0.094 χ^2/NDF: 22126.0/112



Right In: 22.383+/-0.192 χ^2/NDF: 10742.9/30

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 22.271+/-0.197 χ^2/NDF: 9666.1/33

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

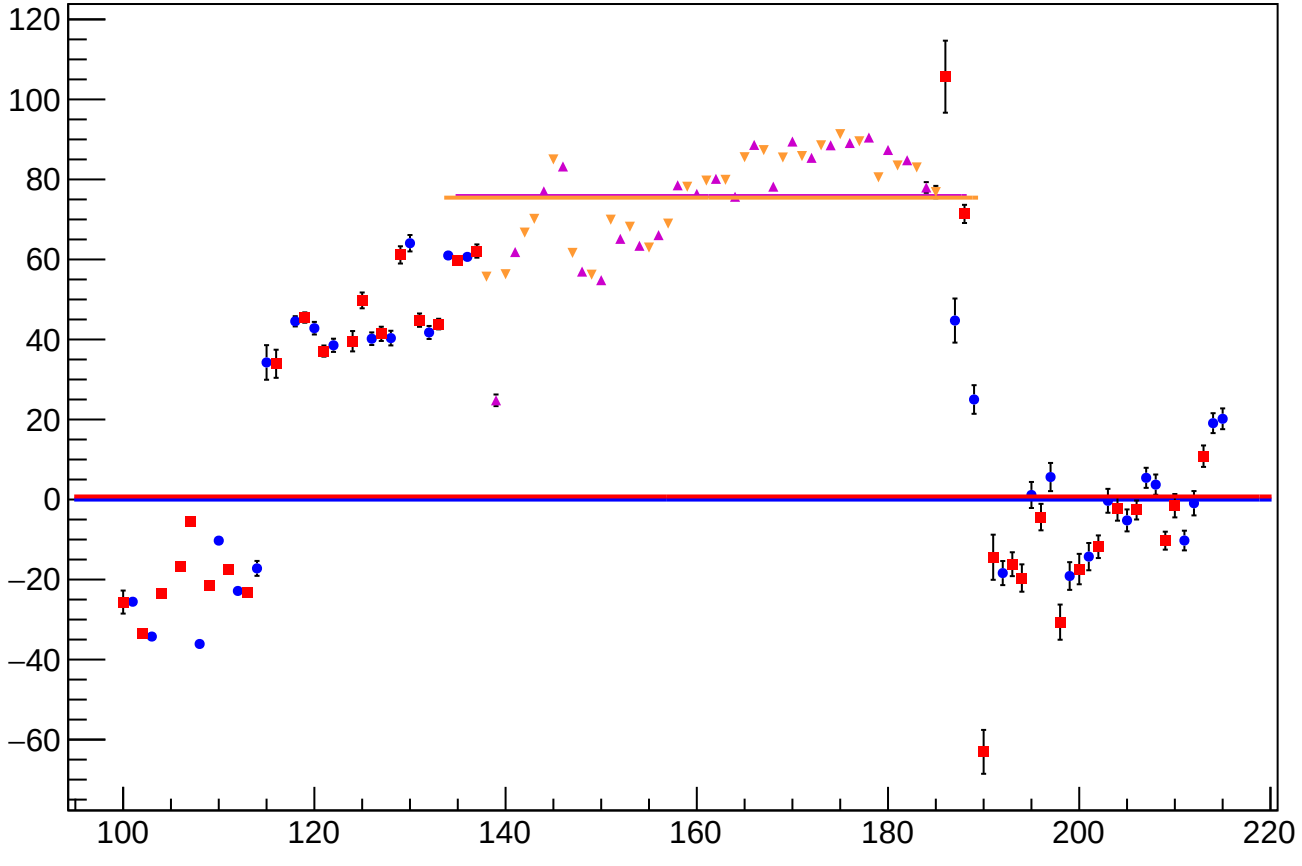
Right: 22.328+/-0.137 χ^2/NDF: 20409.1/64

In: 35.687+/-0.146 χ^2/NDF:23018.2/53

Out: 36.086+/-0.145 χ^2/NDF:21678.8/58

All: 35.888+/-0.103 χ^2/NDF: 44700.7/112

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.012+/-0.247 χ^2/NDF: 21381.9/30

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.761+/-0.250 χ^2/NDF: 17479.6/33

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

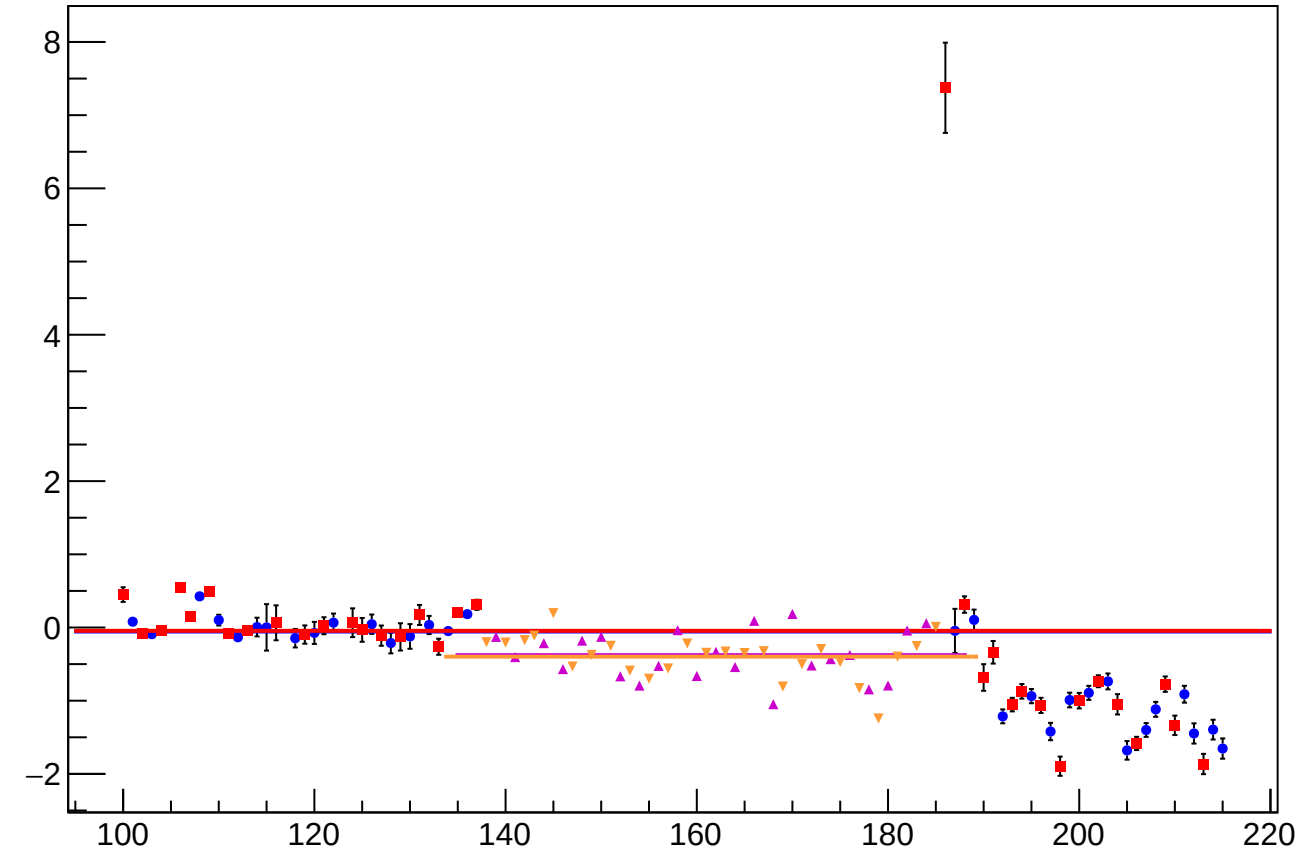
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.369+/-0.176 χ^2/NDF: 38866.3/64

In: 46.356+/-0.154 χ^2/NDF:83134.9/53

Out: 48.475+/-0.151 χ^2/NDF:77741.0/58

All: 47.441+/-0.108 χ^2/NDF: 160972.5/112



Right In: -0.054+/-0.010 χ^2/NDF: 1915.0/30

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.045+/-0.011 χ^2/NDF: 2002.2/33

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

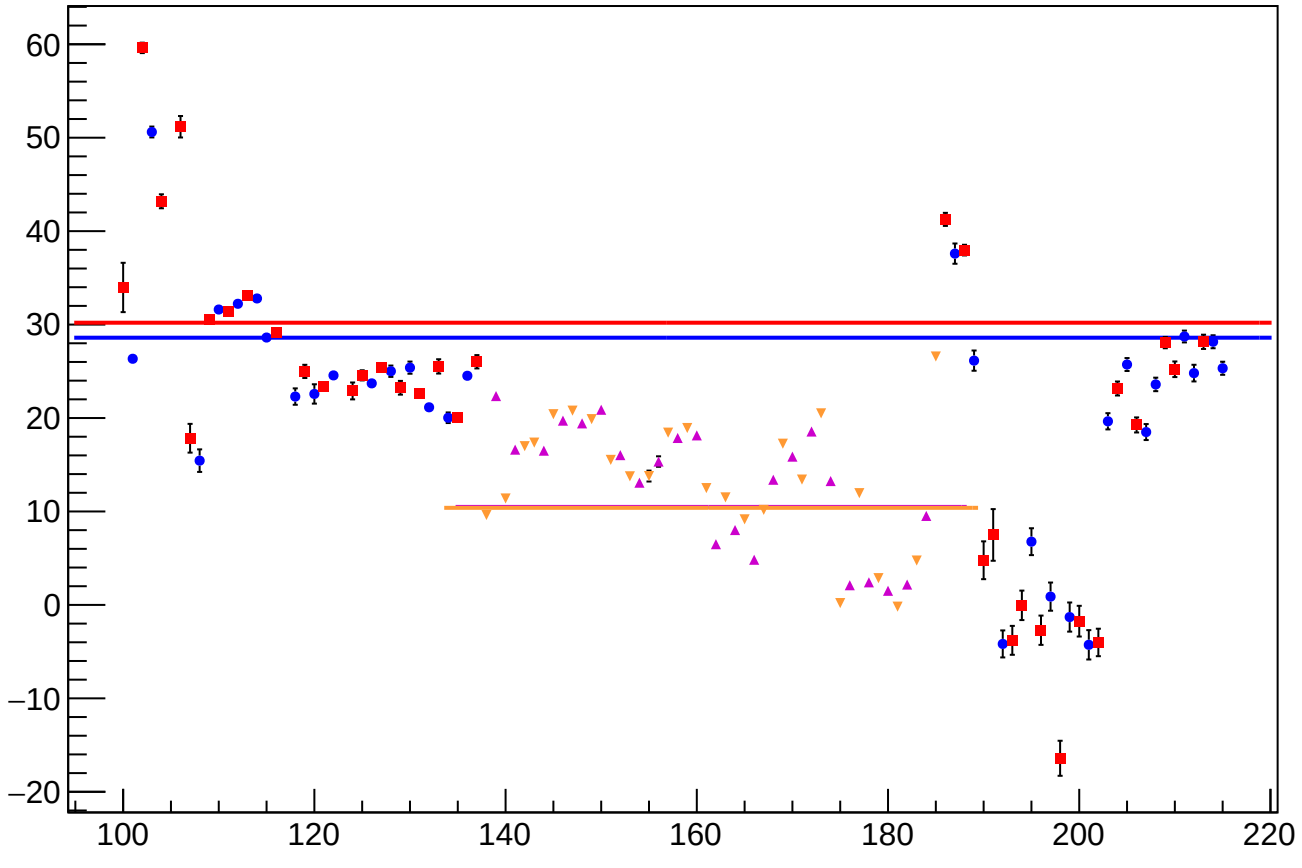
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: -0.050+/-0.007 χ^2/NDF: 3917.5/64

In: -0.248+/-0.007 χ^2/NDF:3835.0/53

Out: -0.262+/-0.007 χ^2/NDF:3710.5/58

All: -0.255+/-0.005 χ^2/NDF: 7547.9/112



Right In: 28.597+/-0.086 χ^2/NDF: 5790.1/30

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.200+/-0.076 χ^2/NDF: 8947.5/33

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

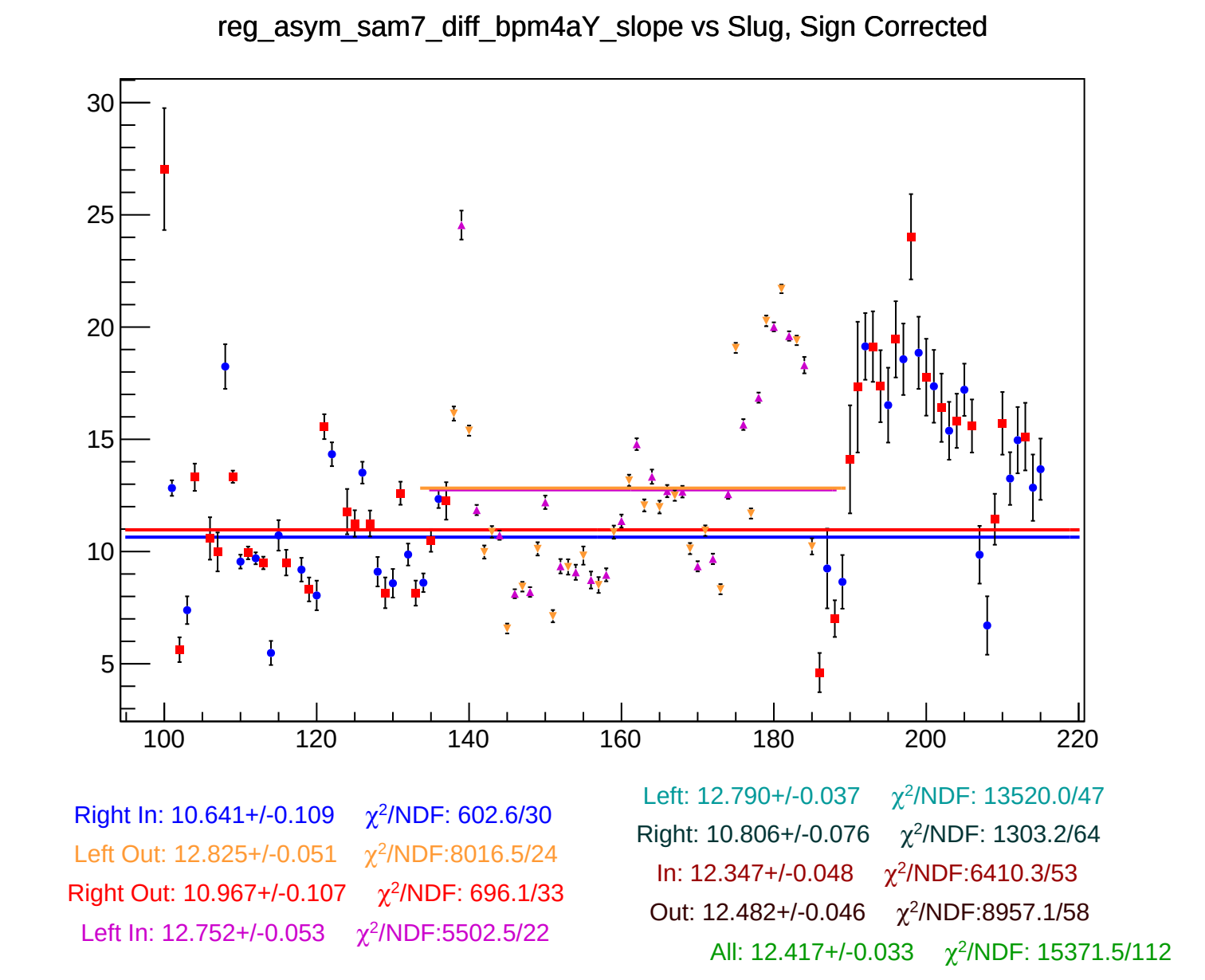
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

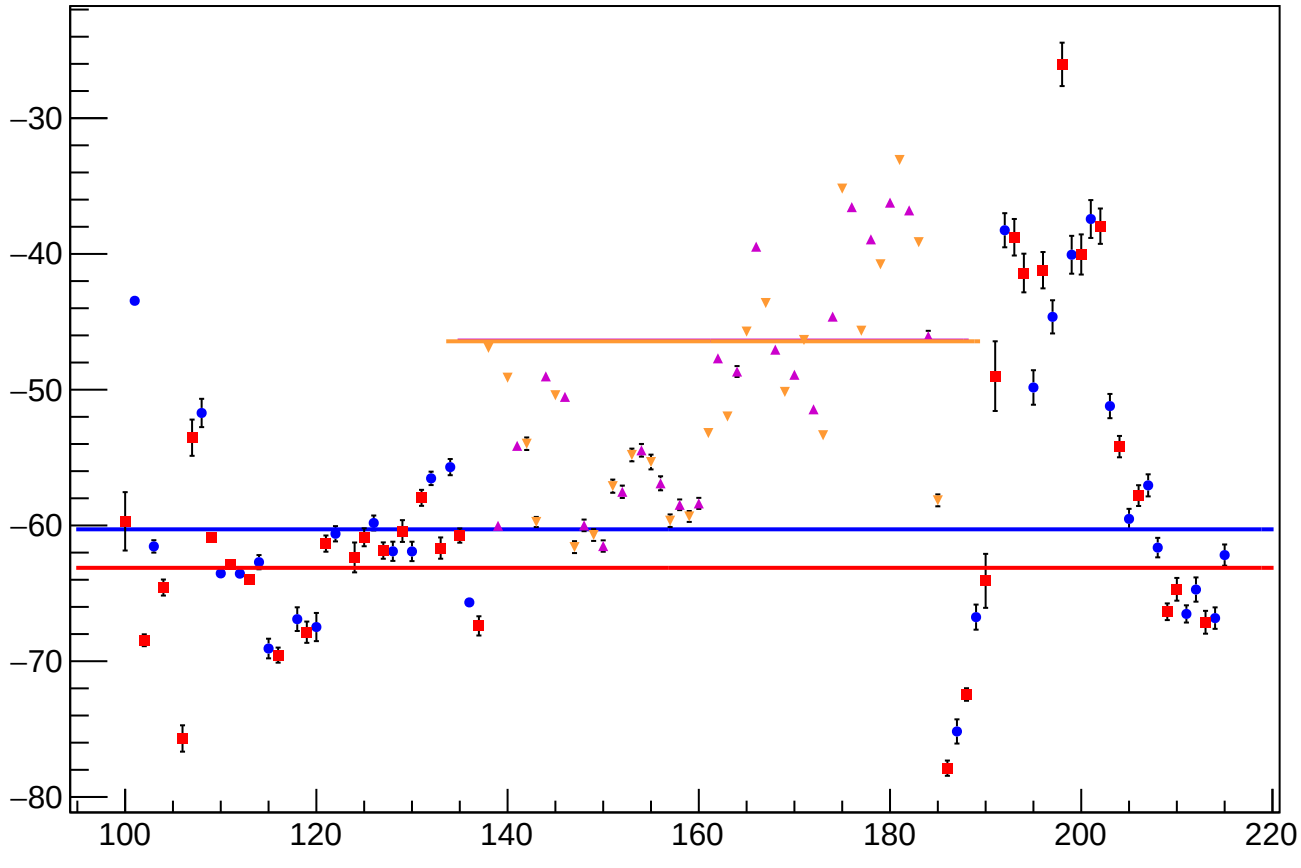
Right: 29.492+/-0.057 χ^2/NDF: 14933.7/64

In: 17.349+/-0.053 χ^2/NDF:45142.9/53

Out: 18.616+/-0.049 χ^2/NDF:62368.4/58

All: 18.027+/-0.036 χ^2/NDF: 107821.6/112


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
120
140
160
180
200
220
Right In: 10.641+/-0.109 χ²/NDF: 602.6/30
Left Out: 12.825+/-0.051 χ²/NDF:8016.5/24
Right Out: 10.967+/-0.107 χ²/NDF: 696.1/33
Left In: 12.752+/-0.053 χ²/NDF:5502.5/22
Left: 12.790+/-0.037 χ²/NDF: 13520.0/47
Right: 10.806+/-0.076 χ²/NDF: 1303.2/64
In: 12.347+/-0.048 χ²/NDF:6410.3/53
Out: 12.482+/-0.046 χ²/NDF:8957.1/58
All: 12.417+/-0.033 χ²/NDF: 15371.5/112



Right In: -60.285+/-0.101 χ^2/NDF: 5262.9/30

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.122+/-0.097 χ^2/NDF: 4187.7/33

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

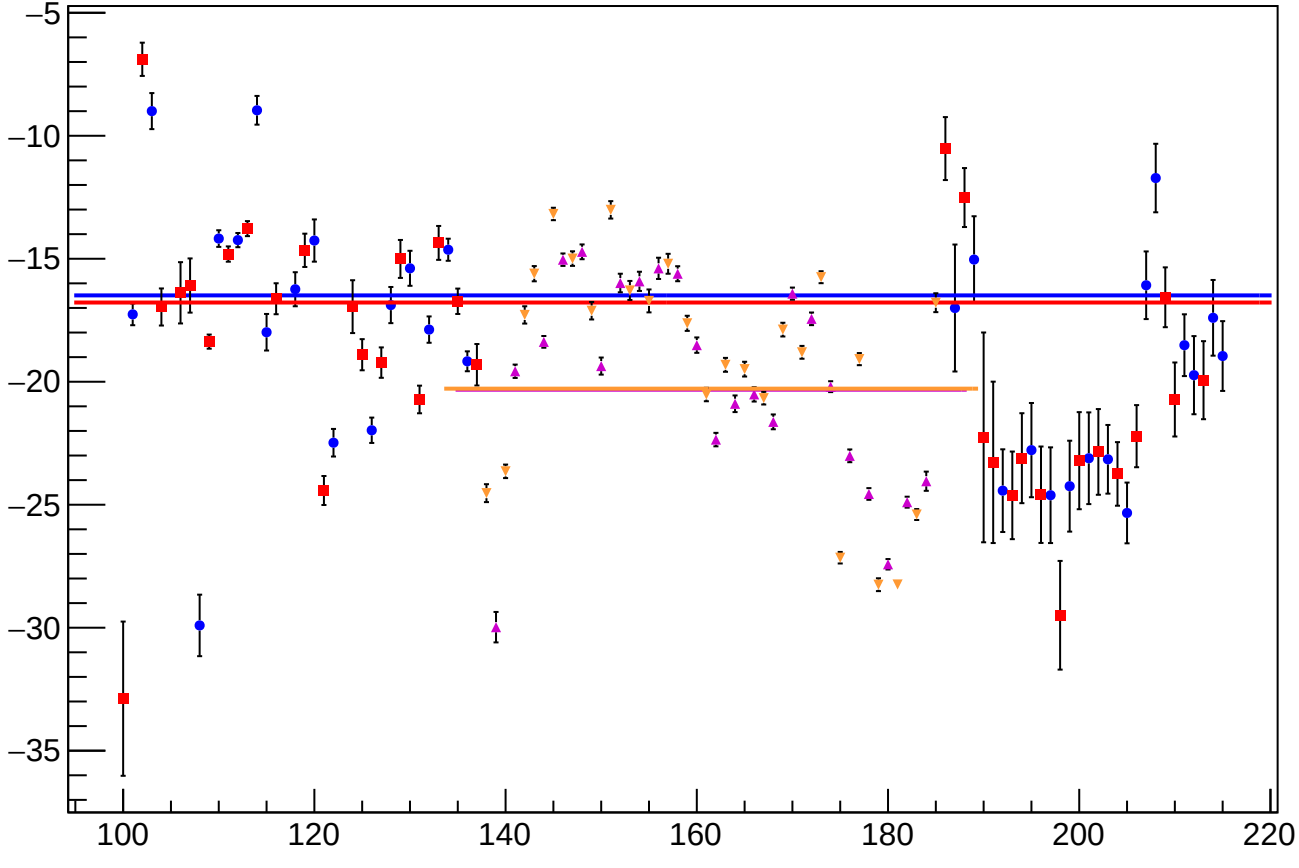
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.772+/-0.070 χ^2/NDF: 9860.5/64

In: -50.588+/-0.056 χ^2/NDF:33445.4/53

Out: -51.568+/-0.054 χ^2/NDF:42995.2/58

All: -51.098+/-0.039 χ^2/NDF: 76601.0/112



Right In: -16.489+/-0.121 χ^2/NDF: 981.8/30

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.779+/-0.119 χ^2/NDF: 893.0/33

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

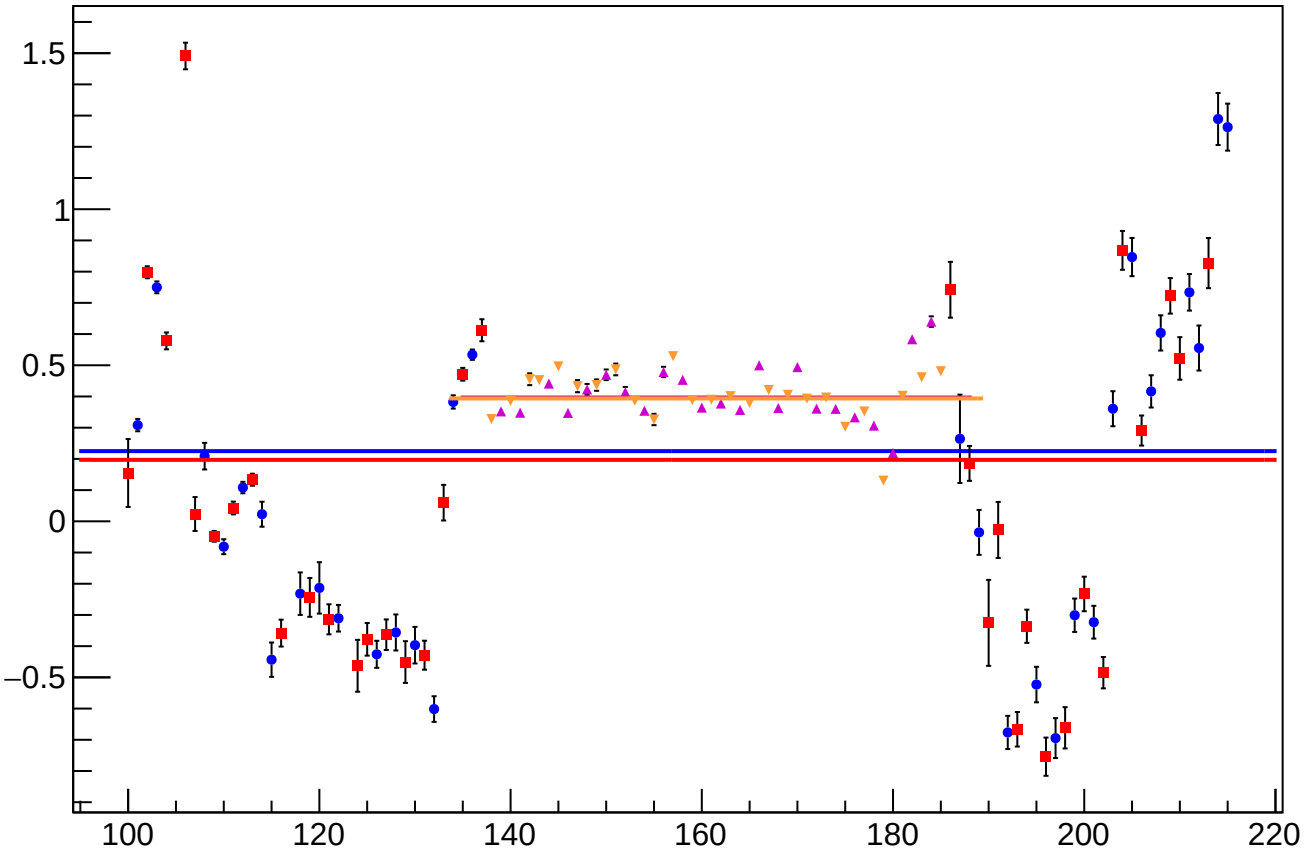
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.637+/-0.085 χ^2/NDF: 1877.7/64

In: -19.589+/-0.053 χ^2/NDF:6062.2/53

Out: -19.629+/-0.051 χ^2/NDF:8613.5/58

All: -19.610+/-0.037 χ^2/NDF: 14675.9/112



Right In: 0.225+/-0.006 χ^2/NDF: 4139.1/30

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.197+/-0.006 χ^2/NDF: 4971.2/33

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

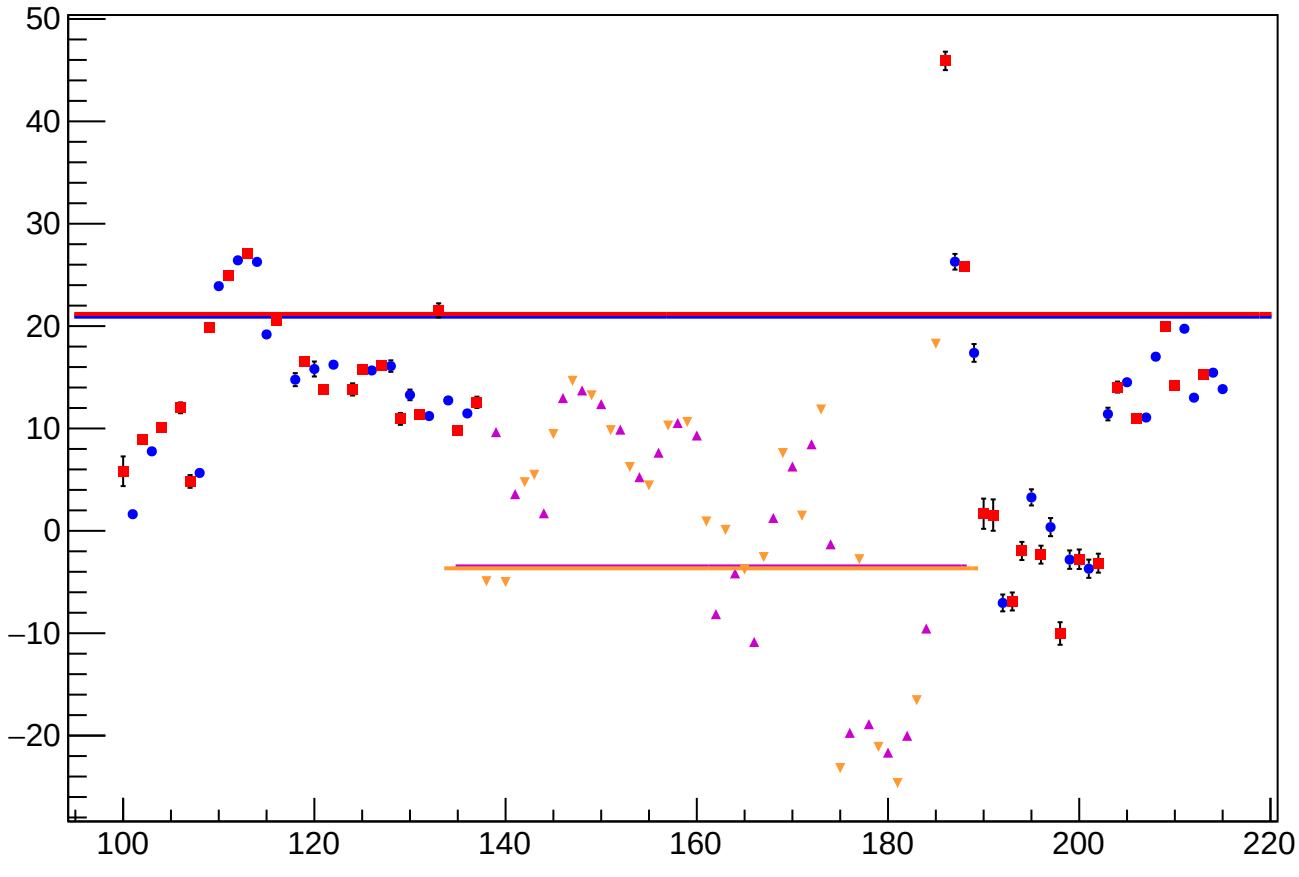
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.211+/-0.005 χ^2/NDF: 9119.6/64

In: 0.372+/-0.002 χ^2/NDF:6041.9/53

Out: 0.367+/-0.002 χ^2/NDF:6714.3/58

All: 0.370+/-0.002 χ^2/NDF: 12758.3/112



Right In: 20.921+/-0.052 χ^2/NDF: 18768.7/30

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.188+/-0.044 χ^2/NDF: 17989.5/33

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

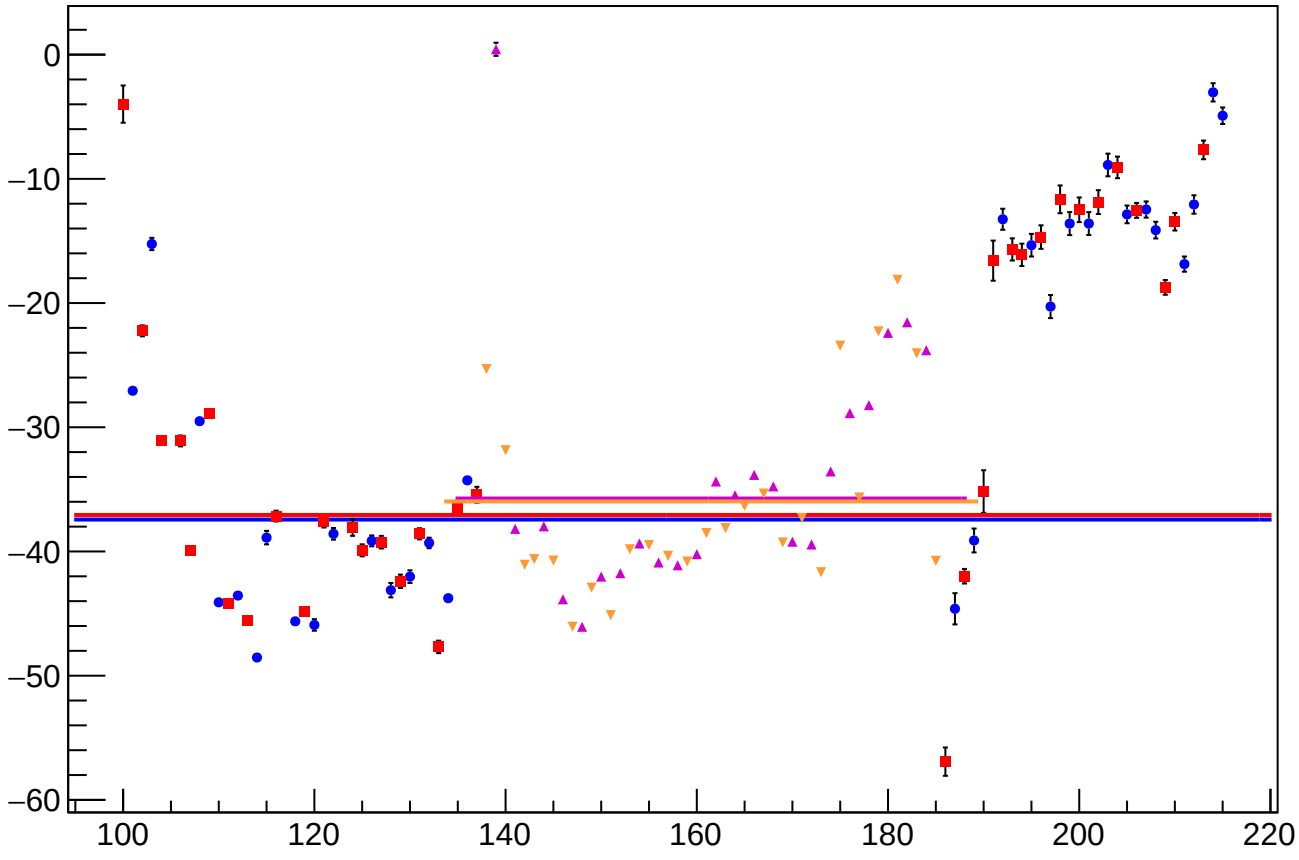
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.076+/-0.034 χ^2/NDF: 36773.5/64

In: 9.994+/-0.038 χ^2/NDF:163557.2/53

Out: 11.357+/-0.034 χ^2/NDF:200188.2/58

All: 10.752+/-0.026 χ^2/NDF: 364445.8/112



Right In: -37.429+/-0.072 χ^2/NDF: 24430.6/30

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.061+/-0.067 χ^2/NDF: 21174.7/33

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

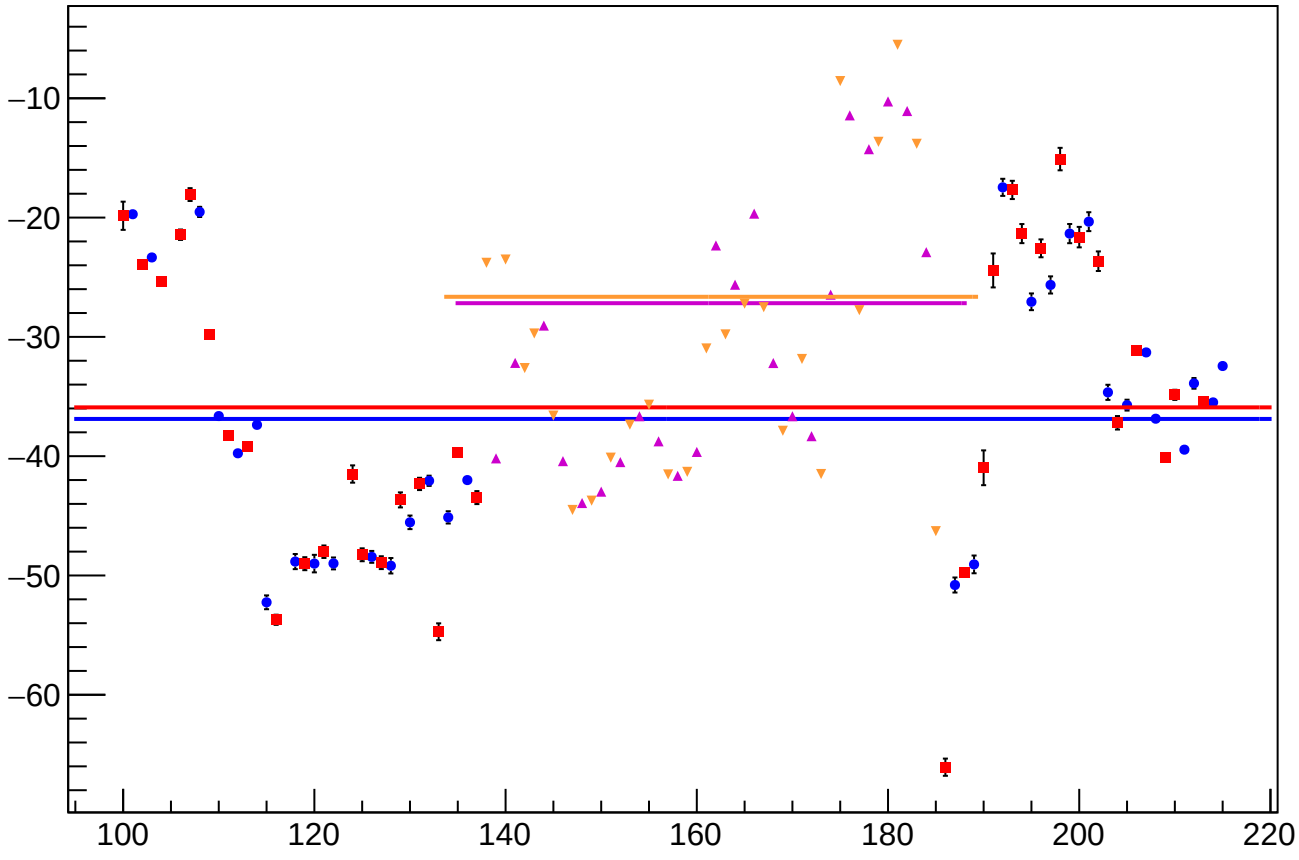
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -37.234+/-0.049 χ^2/NDF: 45619.4/64

In: -36.215+/-0.038 χ^2/NDF:51986.1/53

Out: -36.281+/-0.036 χ^2/NDF:54970.4/58

All: -36.250+/-0.026 χ^2/NDF: 106958.1/112



Right In: -36.878+/-0.064 χ^2/NDF: 14166.6/30

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.908+/-0.058 χ^2/NDF: 19394.7/33

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

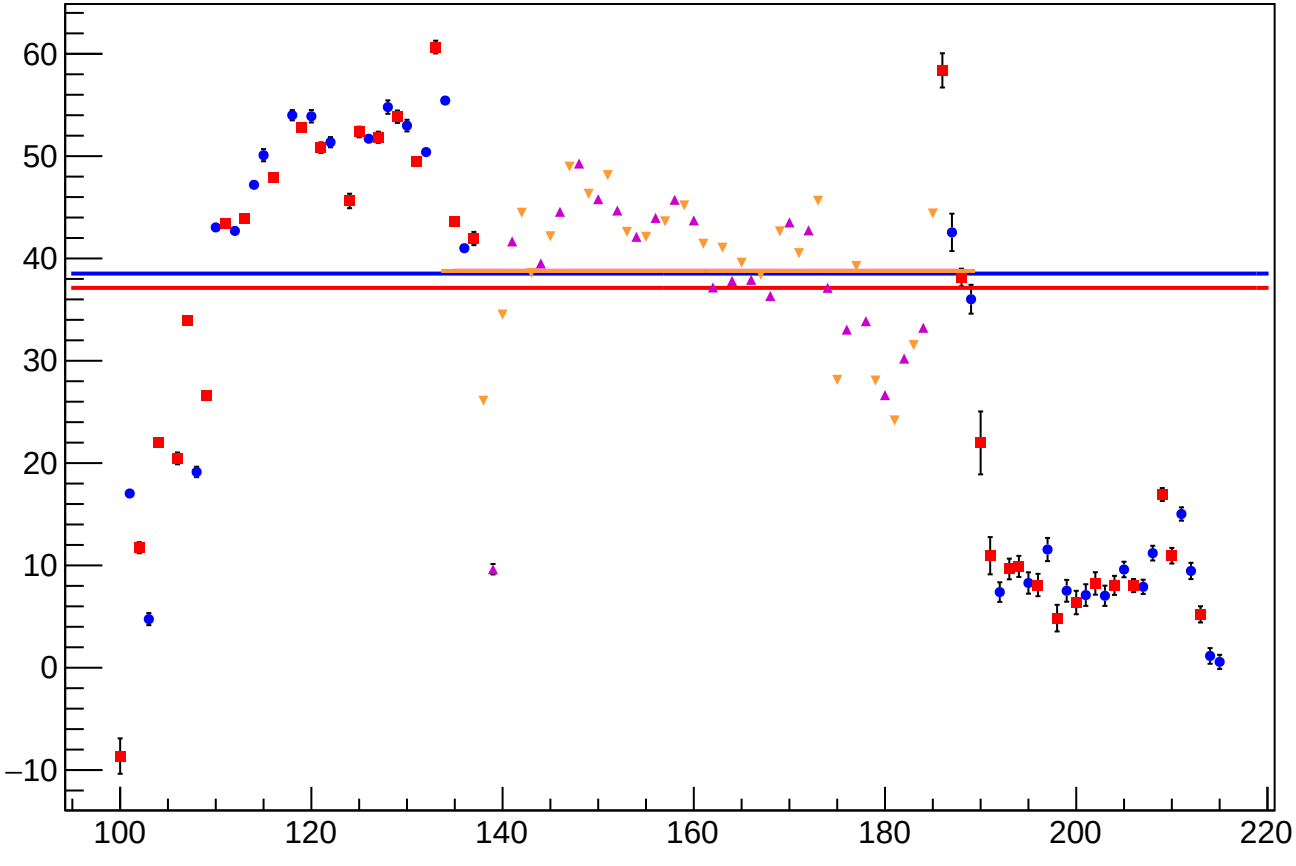
Right: -36.350+/-0.043 χ^2/NDF: 33686.9/64

In: -31.497+/-0.043 χ^2/NDF:67957.6/53

Out: -30.962+/-0.040 χ^2/NDF:82896.9/58

All: -31.212+/-0.029 χ^2/NDF: 150938.3/112

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.523+/-0.080 χ^2/NDF: 35239.2/30

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.125+/-0.075 χ^2/NDF: 30342.0/33

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

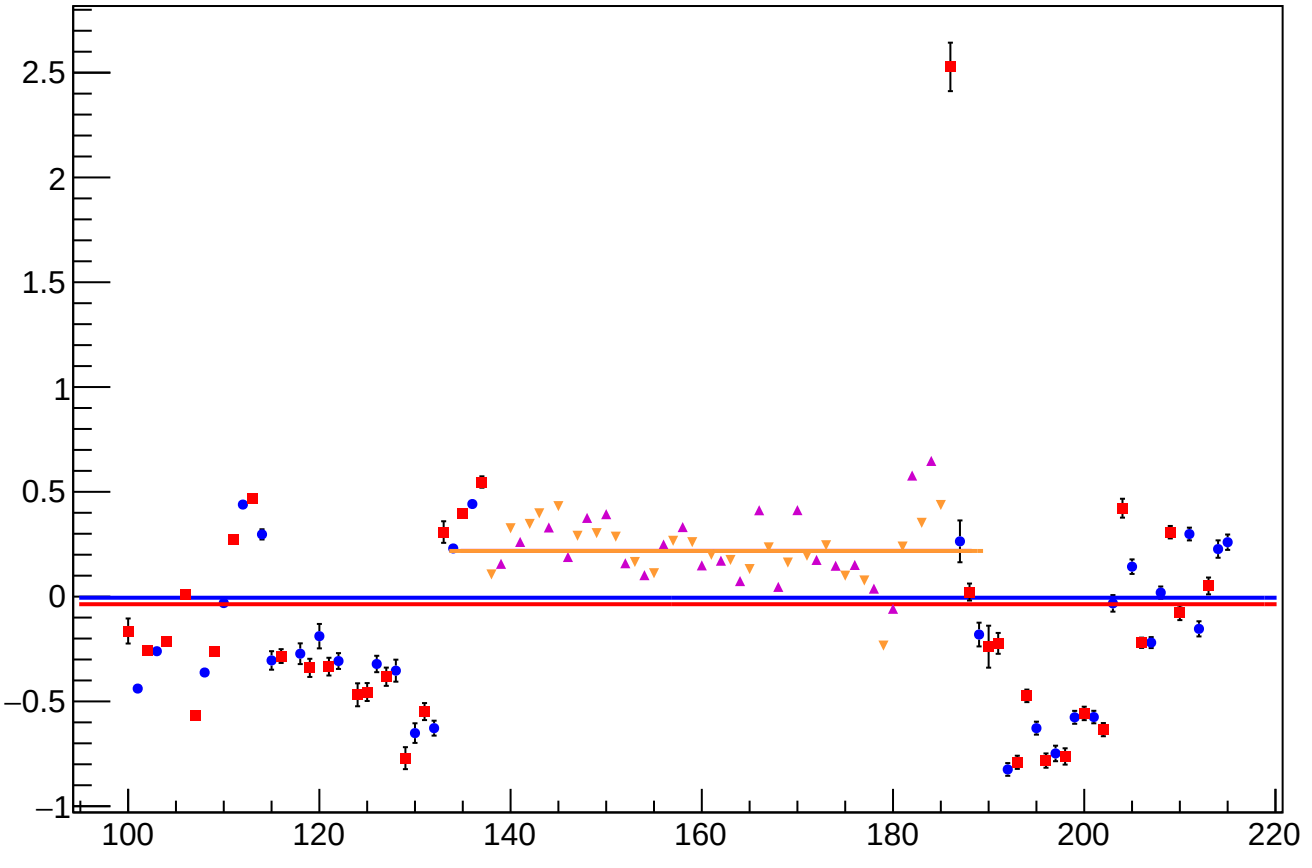
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 37.778+/-0.054 χ^2/NDF: 65745.8/64

In: 38.715+/-0.042 χ^2/NDF:51488.0/53

Out: 38.297+/-0.040 χ^2/NDF:51761.4/58

All: 38.494+/-0.029 χ^2/NDF: 103300.6/112



Right In: -0.005+/-0.004 χ^2/NDF: 8252.4/30

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.036+/-0.004 χ^2/NDF: 9629.9/33

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

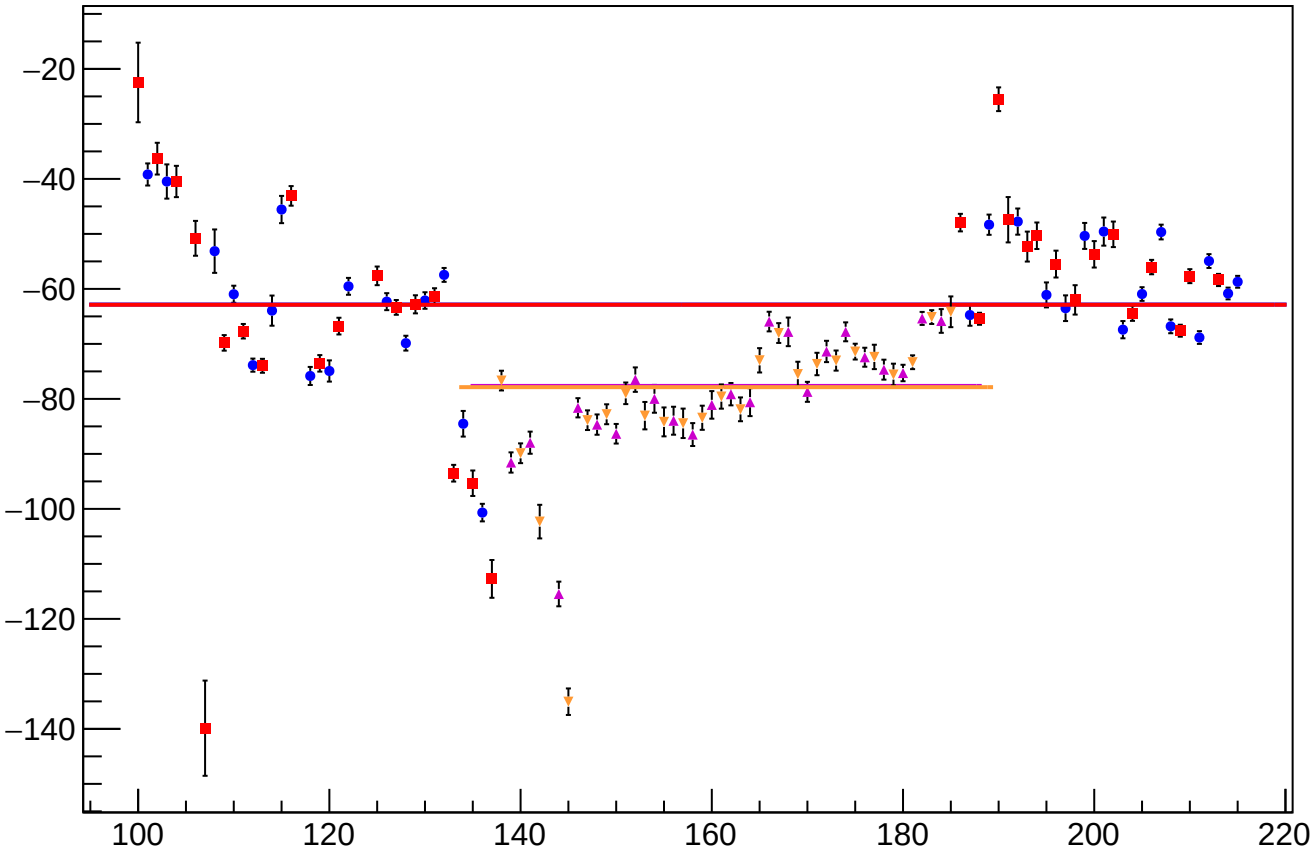
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.022+/-0.003 χ^2/NDF: 17910.7/64

In: 0.170+/-0.002 χ^2/NDF:15735.3/53

Out: 0.160+/-0.002 χ^2/NDF:16877.3/58

All: 0.165+/-0.001 χ^2/NDF: 32625.4/112



Right In: -62.843+/-0.285 χ^2/NDF: 1493.1/30

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.883+/-0.294 χ^2/NDF: 1974.6/32

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

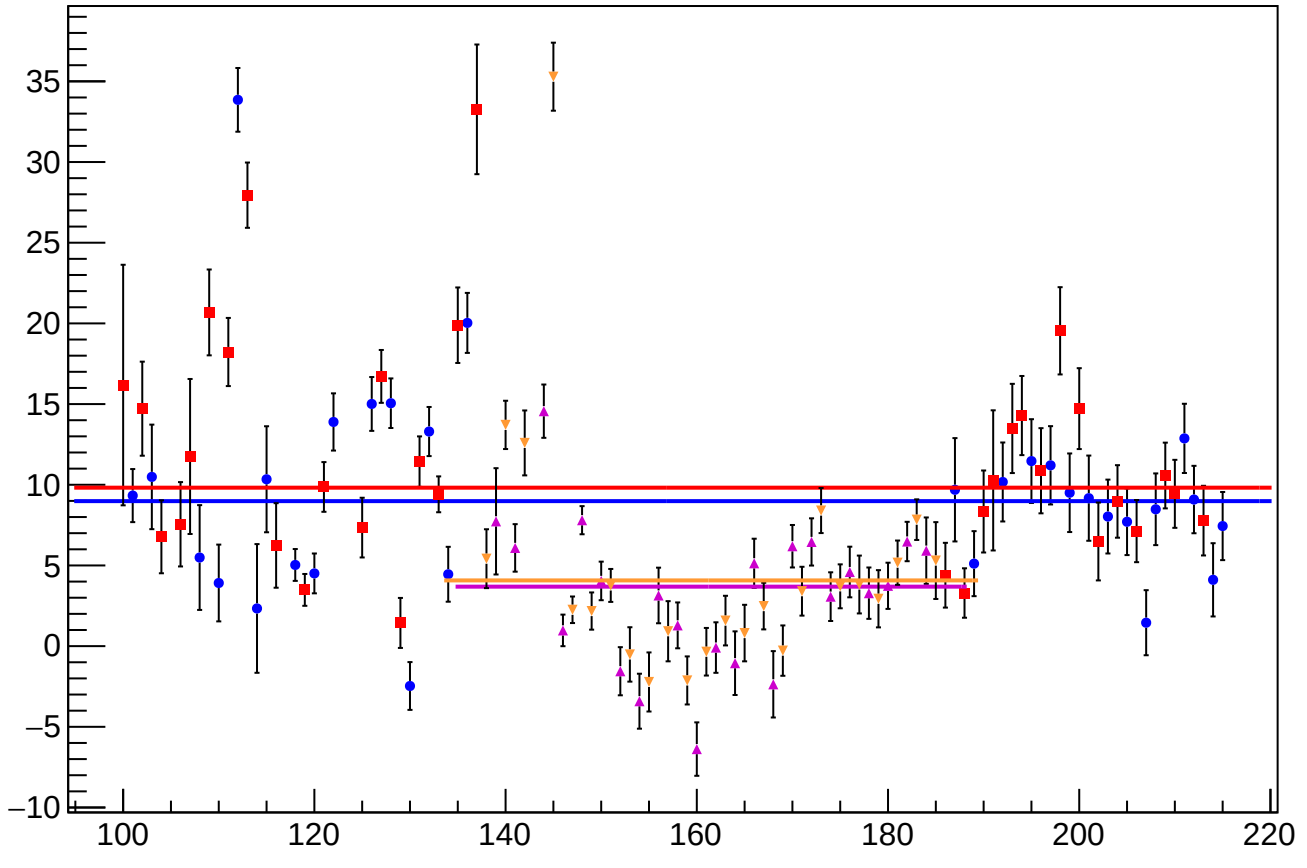
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -62.862+/-0.205 χ^2/NDF: 3467.7/63

In: -67.885+/-0.231 χ^2/NDF:3105.3/53

Out: -68.251+/-0.236 χ^2/NDF:3834.7/56

All: -68.064+/-0.165 χ^2/NDF: 6941.3/110



Right In: 8.986+/-0.346 χ^2/NDF: 372.1/30

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.820+/-0.349 χ^2/NDF: 317.6/32

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

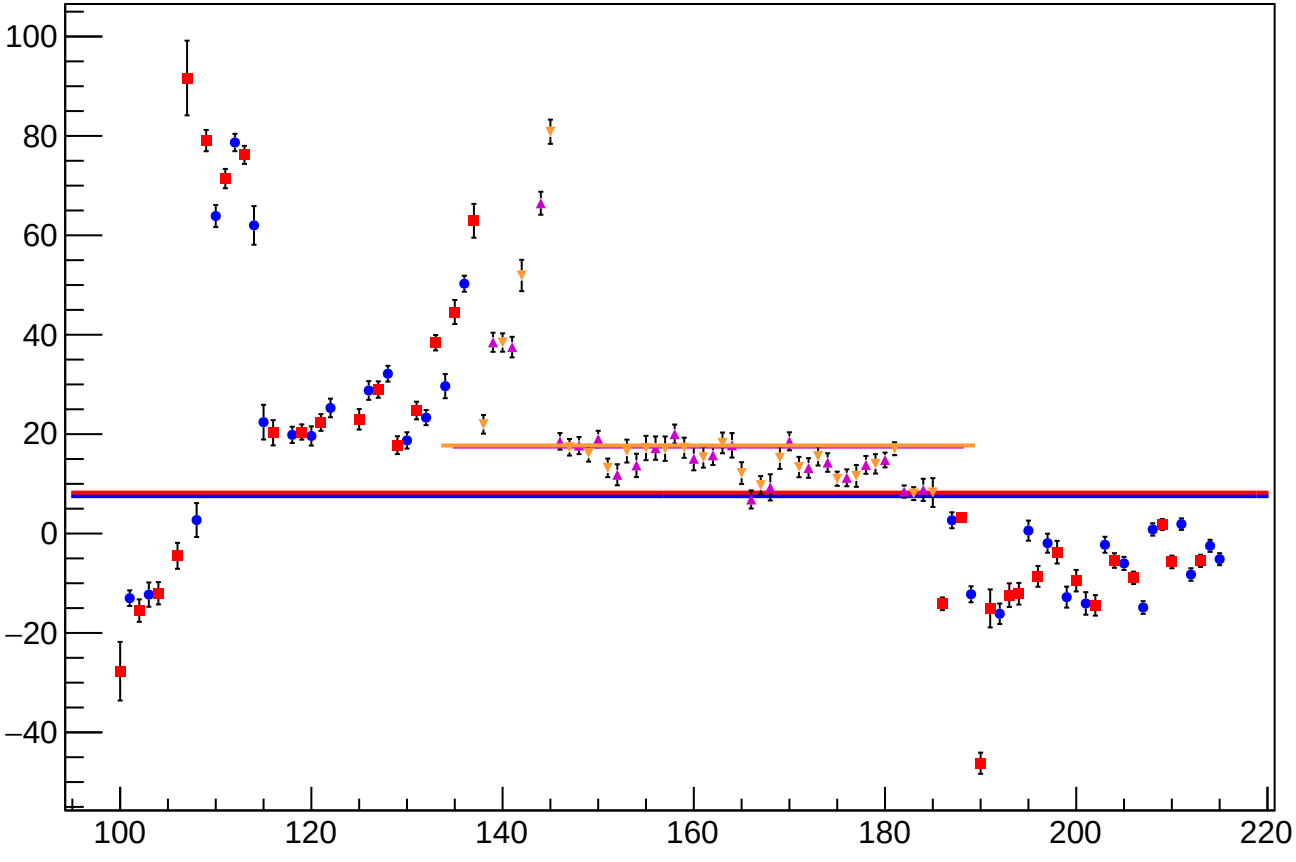
Right: 9.400+/-0.246 χ^2/NDF: 692.6/63

In: 5.973+/-0.227 χ^2/NDF:687.9/53

Out: 6.484+/-0.226 χ^2/NDF:845.5/56

All: 6.230+/-0.160 χ^2/NDF: 1535.9/110

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.523+/-0.299 χ^2/NDF: 5599.1/30

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 8.230+/-0.303 χ^2/NDF: 7297.7/32

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

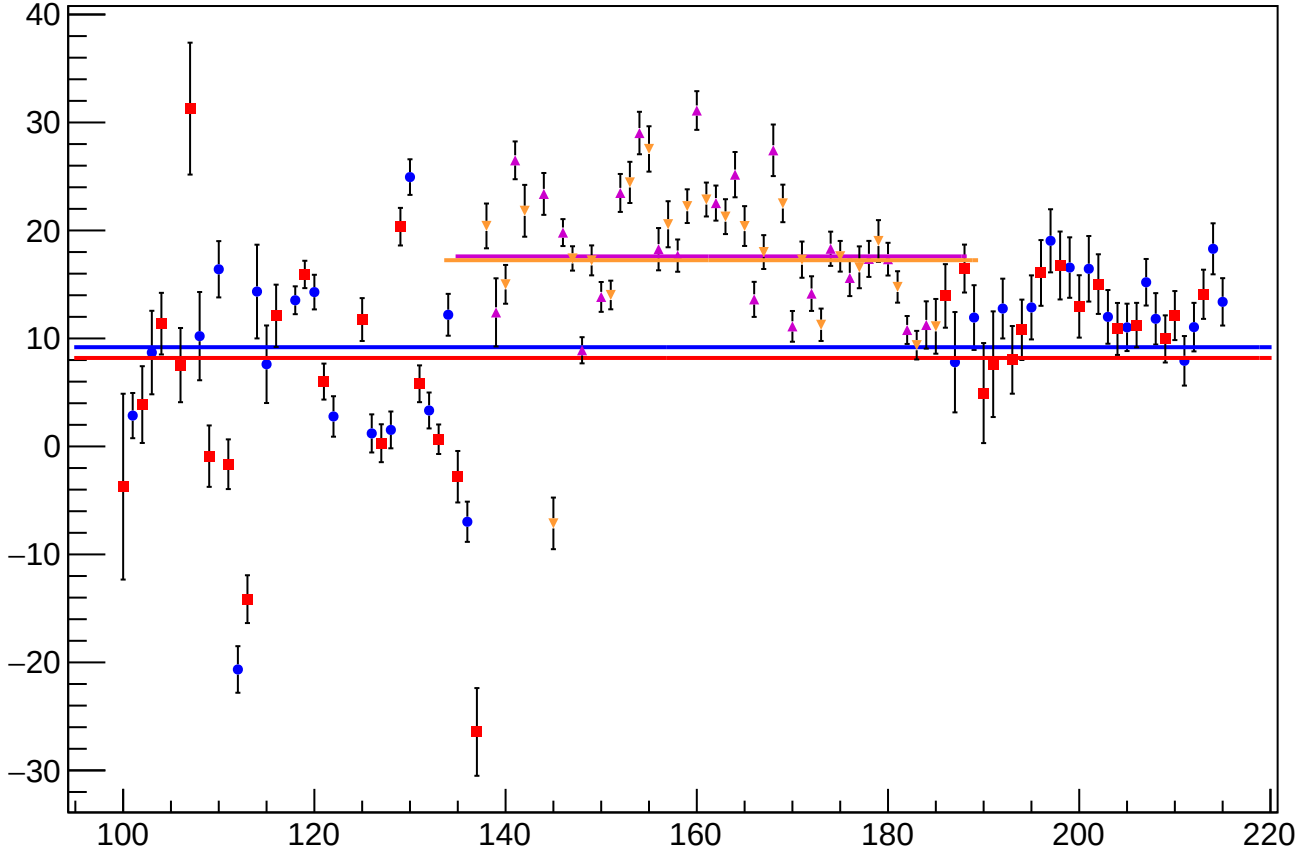
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 7.871+/-0.213 χ^2/NDF: 12899.6/63

In: 11.175+/-0.238 χ^2/NDF:6828.0/53

Out: 11.795+/-0.240 χ^2/NDF:8724.0/56

All: 11.483+/-0.169 χ^2/NDF: 15555.3/110



Right In: 9.190+/-0.396 χ^2/NDF: 523.9/30

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 8.192+/-0.406 χ^2/NDF: 444.5/32

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

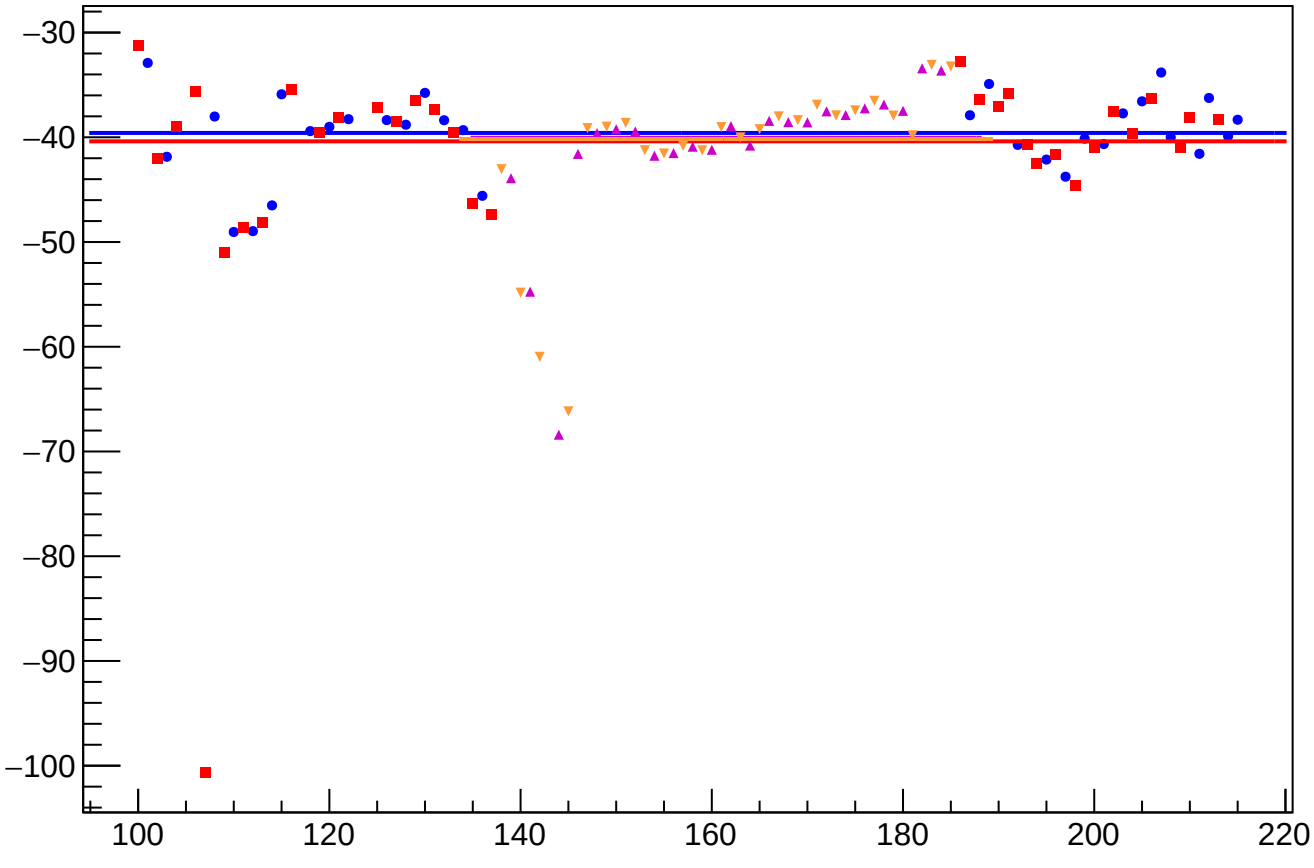
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.703+/-0.284 χ^2/NDF: 971.5/63

In: 14.007+/-0.259 χ^2/NDF:1091.3/53

Out: 13.535+/-0.260 χ^2/NDF:999.1/56

All: 13.772+/-0.183 χ^2/NDF: 2092.0/110



Right In: -39.585+/-0.020 χ^2/NDF: 33850.1/30

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.387+/-0.020 χ^2/NDF: 73469.5/32

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

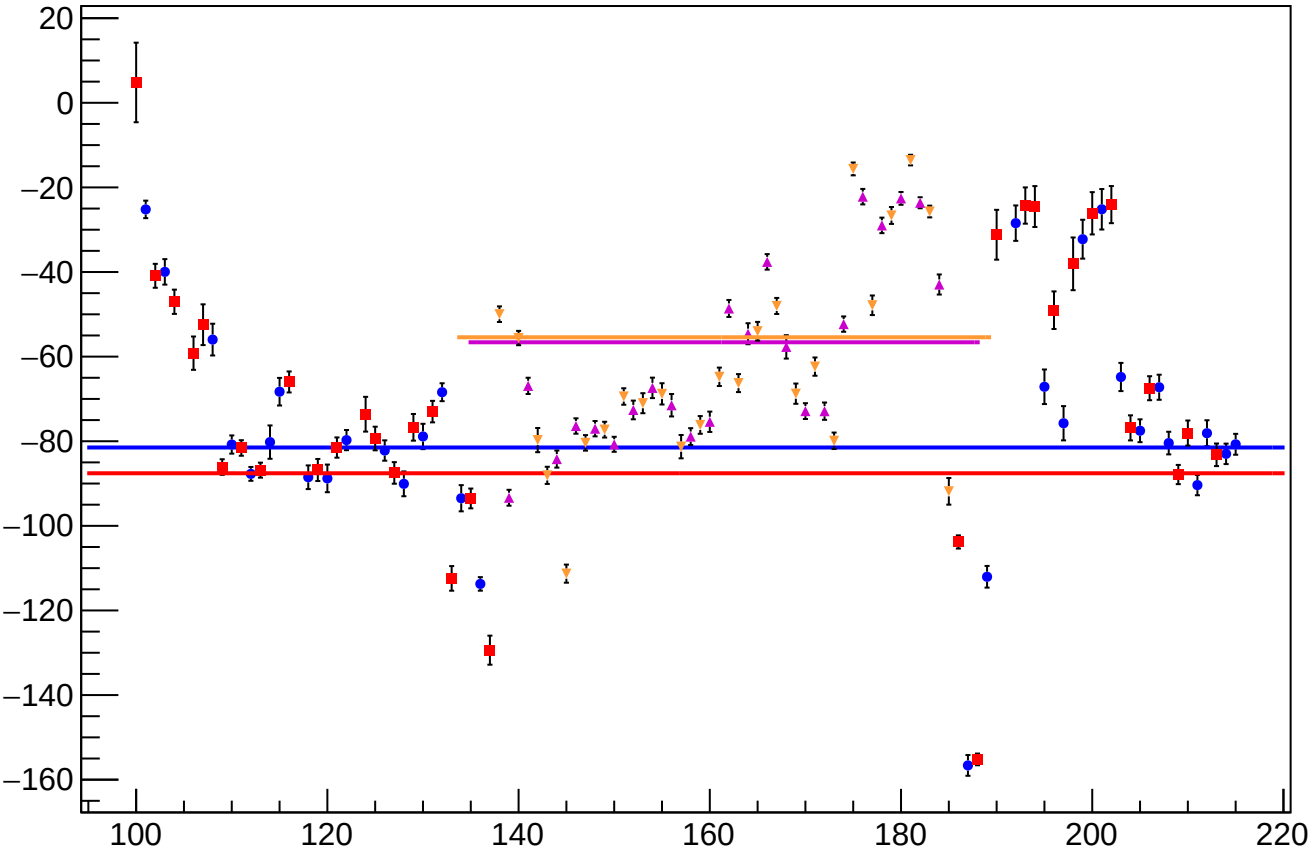
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -39.982+/-0.014 χ^2/NDF: 108130.0/63

In: -39.875+/-0.012 χ^2/NDF:170631.6/53

Out: -40.248+/-0.012 χ^2/NDF:236882.9/56

All: -40.060+/-0.009 χ^2/NDF: 407981.1/110



Right In: -81.479+/-0.479 χ^2/NDF: 3062.3/30

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.570+/-0.464 χ^2/NDF: 4615.6/32

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

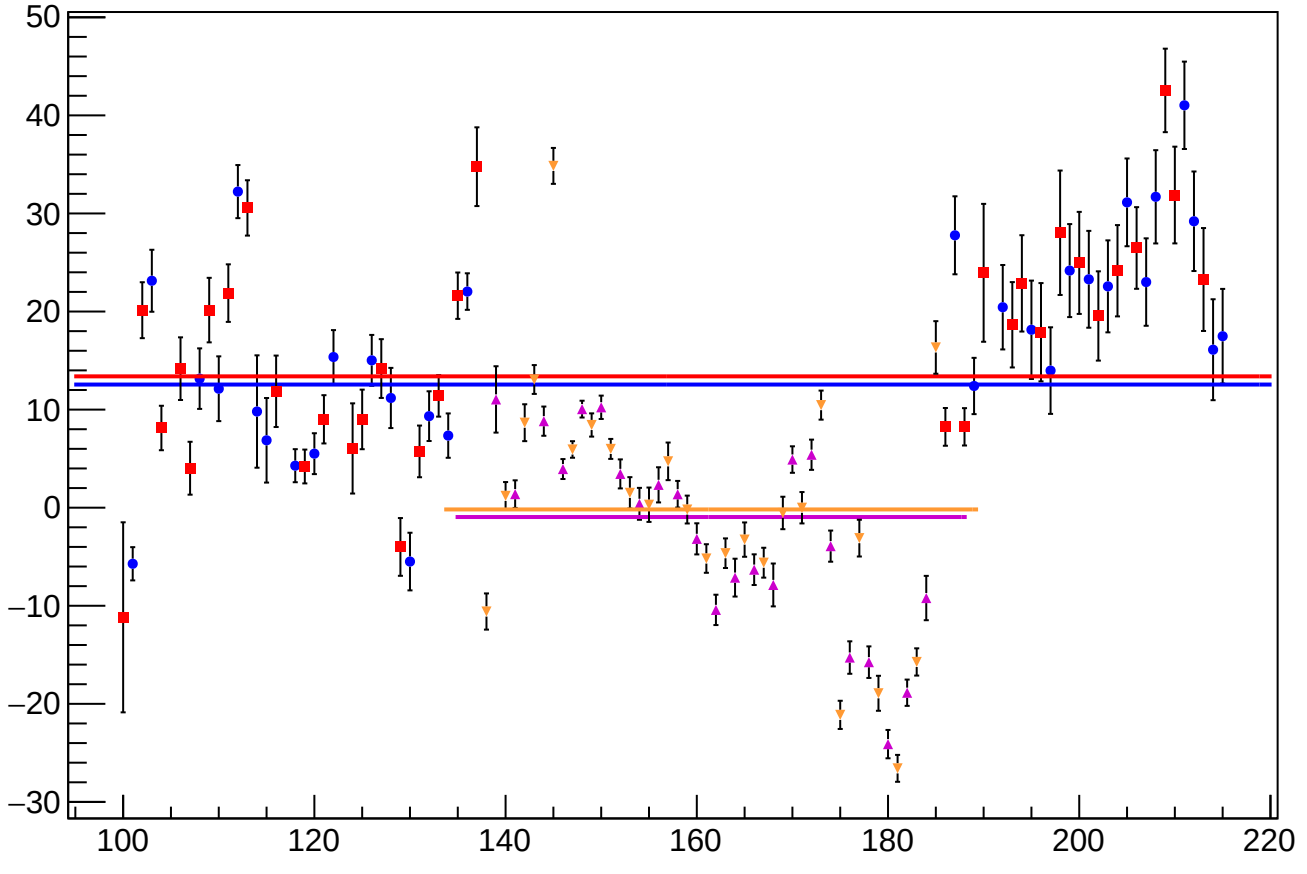
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.624+/-0.333 χ^2/NDF: 7761.4/63

In: -66.943+/-0.309 χ^2/NDF:7989.2/53

Out: -68.879+/-0.300 χ^2/NDF:11937.3/57

All: -67.939+/-0.215 χ^2/NDF: 19946.7/111



Right In: 12.555+/-0.545 χ^2/NDF: 417.3/30

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.391+/-0.534 χ^2/NDF: 314.9/32

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

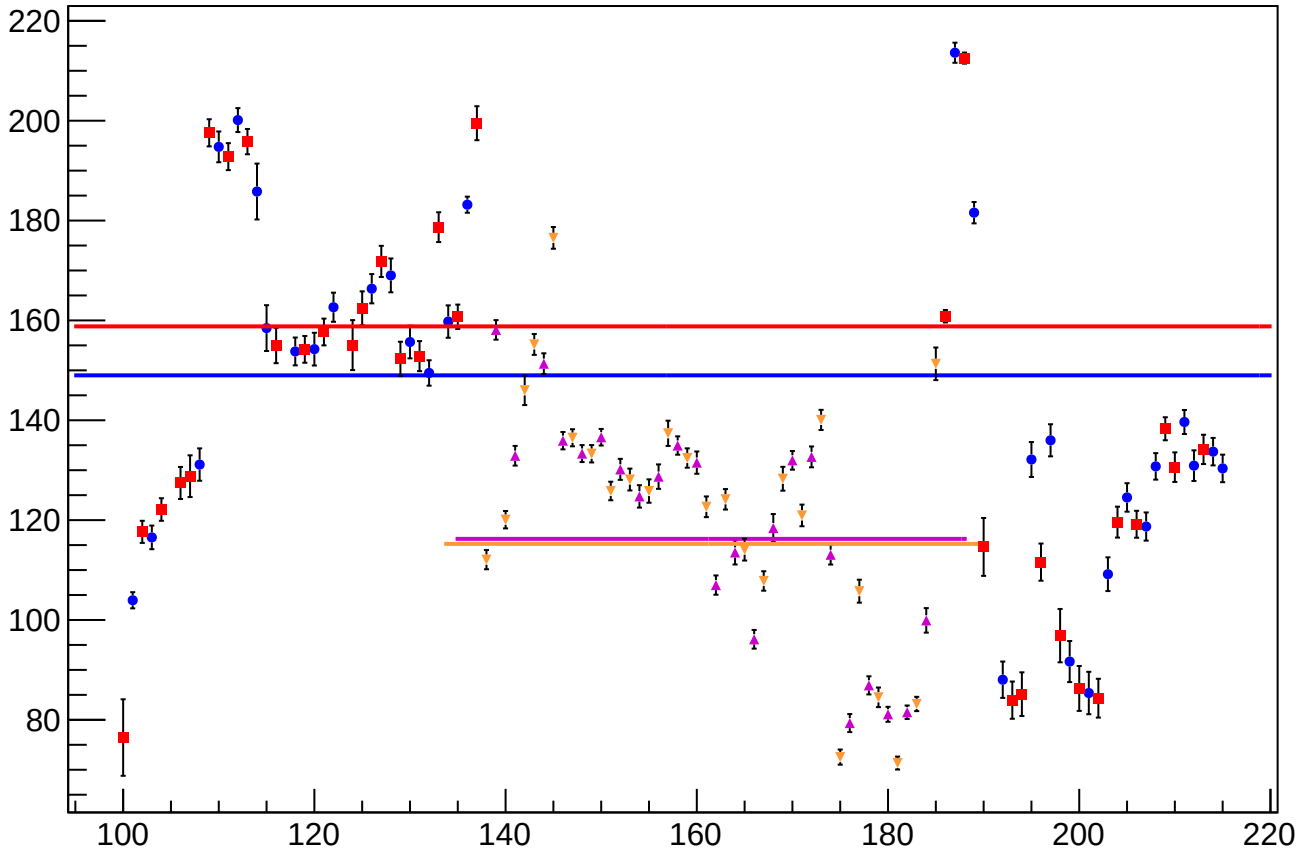
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 12.982+/-0.381 χ^2/NDF: 733.3/63

In: 2.254+/-0.266 χ^2/NDF:1955.2/53

Out: 2.983+/-0.258 χ^2/NDF:2409.5/57

All: 2.630+/-0.185 χ^2/NDF: 4368.6/111



Right In: 148.998+/-0.492 χ^2/NDF: 4777.9/30

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 158.805+/-0.464 χ^2/NDF: 6294.6/32

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

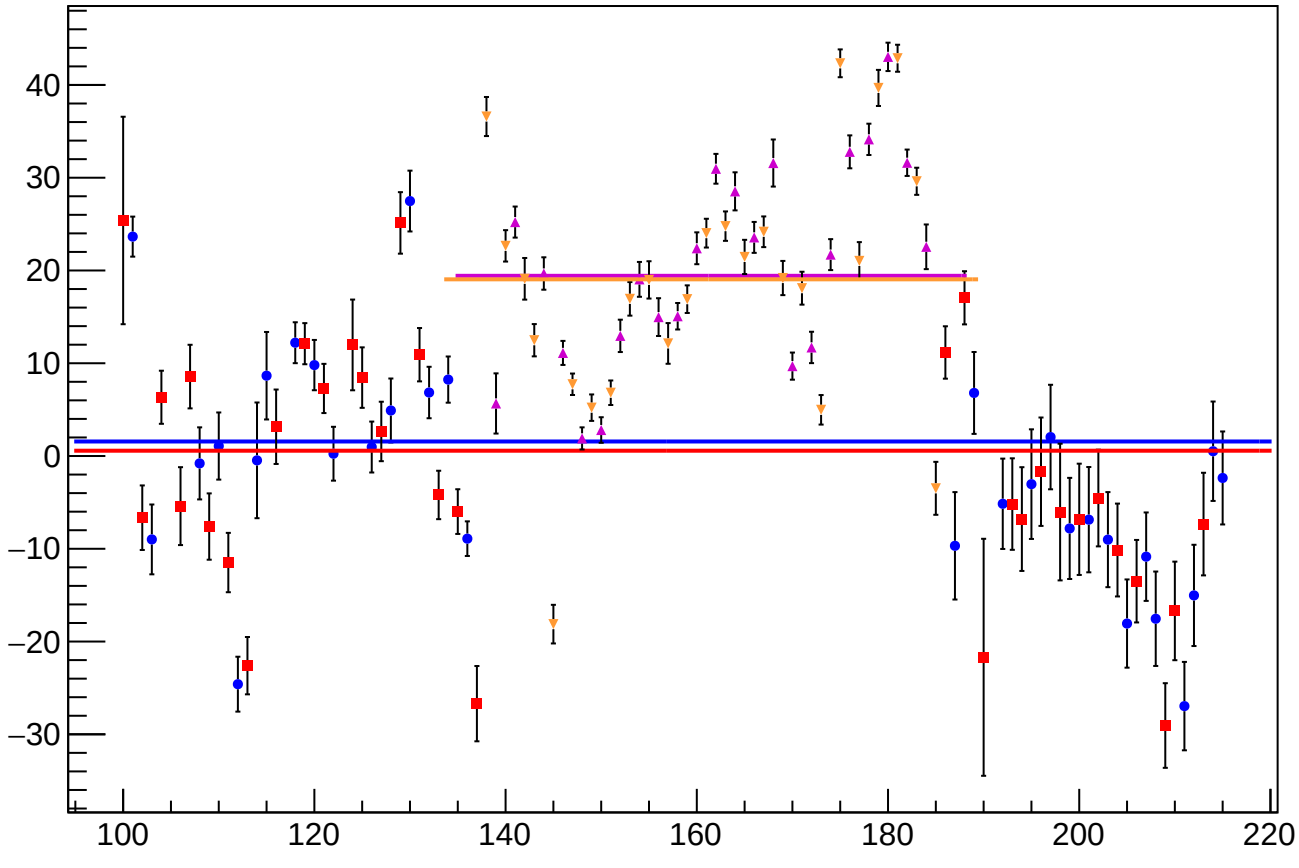
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

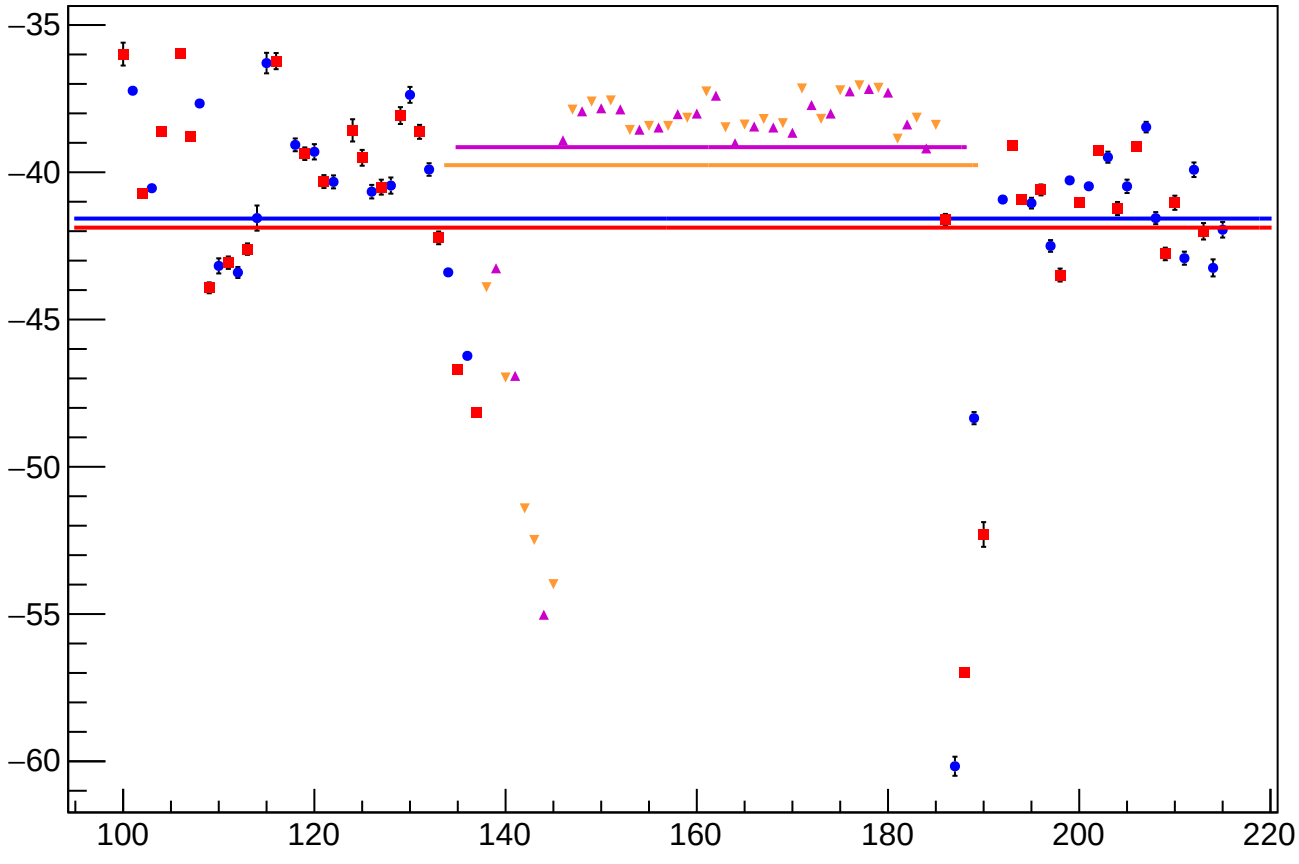
Right: 154.181+/-0.338 χ^2/NDF: 11282.8/63

In: 129.259+/-0.310 χ^2/NDF:11090.2/53

Out: 133.280+/-0.299 χ^2/NDF:16287.8/57

All: 131.343+/-0.215 χ^2/NDF: 27465.2/111


reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: 1.566+/-0.629 χ²/NDF: 432.9/30
Left Out: 19.046+/-0.336 χ²/NDF:1545.8/24
Right Out: 0.572+/-0.631 χ²/NDF: 391.9/32
Left In: 19.425+/-0.346 χ²/NDF:1077.2/22
Left: 19.230+/-0.241 χ²/NDF: 2623.6/47
Right: 1.070+/-0.445 χ²/NDF: 826.0/63
In: 15.283+/-0.303 χ²/NDF:2129.1/53
Out: 14.960+/-0.297 χ²/NDF:2605.8/57
All: 15.118+/-0.212 χ²/NDF: 4735.5/111



Right In: -41.572+/-0.031 χ^2/NDF: 13007.4/30

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.879+/-0.031 χ^2/NDF: 19762.5/32

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

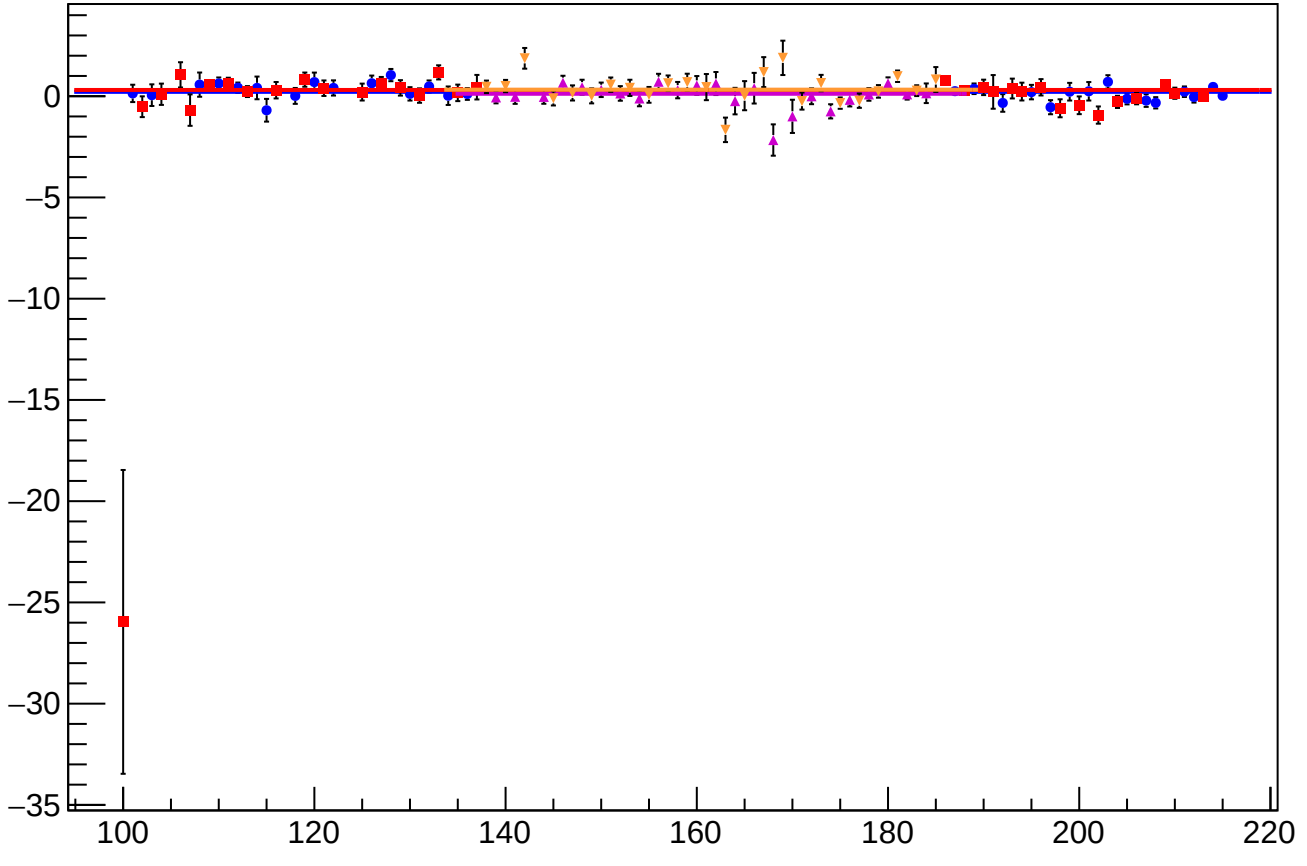
Right: -41.723+/-0.022 χ^2/NDF: 32819.5/63

In: -39.646+/-0.014 χ^2/NDF:64879.1/53

Out: -40.176+/-0.014 χ^2/NDF:105348.9/57

All: -39.913+/-0.010 χ^2/NDF: 170957.7/111

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.216+/-0.058 χ^2/NDF: 36.1/30

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.308+/-0.055 χ^2/NDF: 63.6/32

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

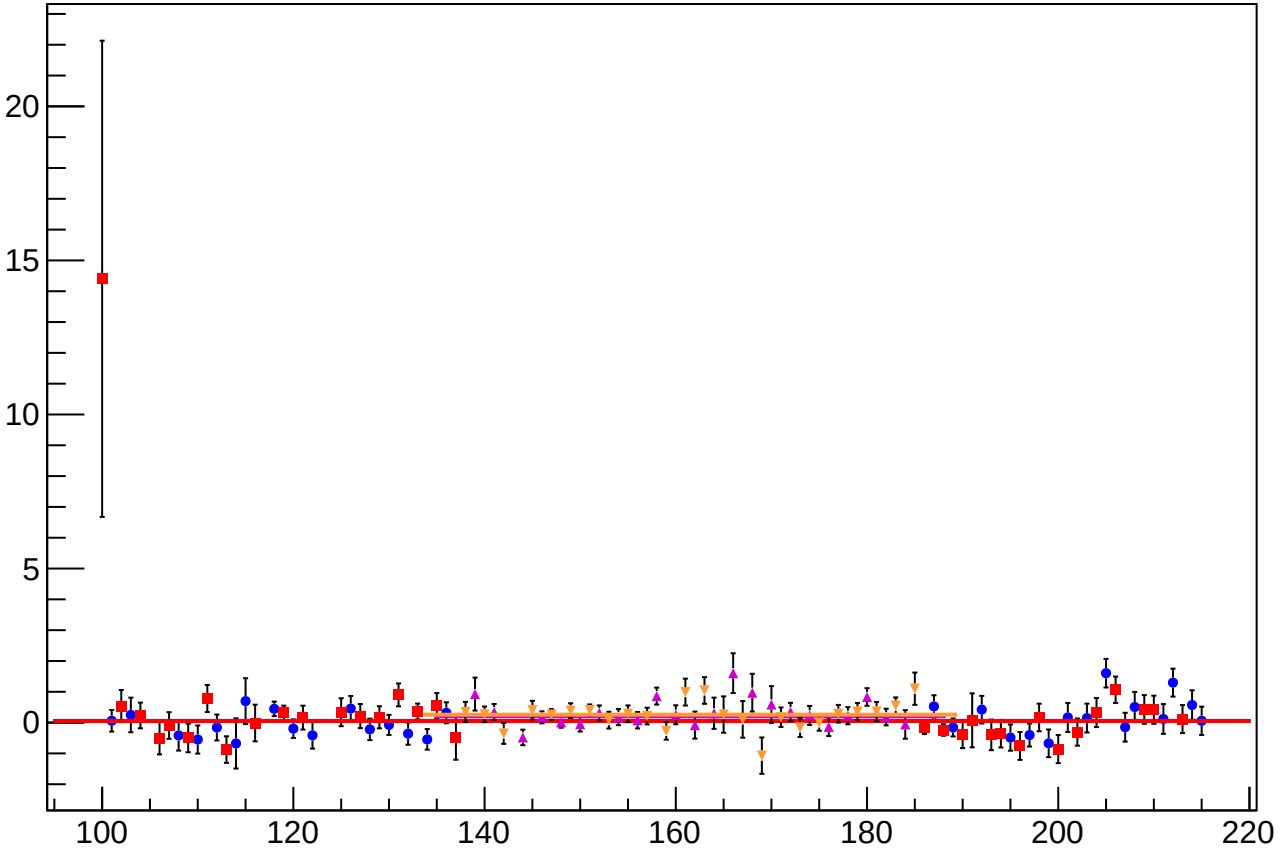
Right: 0.264+/-0.040 χ^2/NDF: 101.0/63

In: 0.182+/-0.047 χ^2/NDF:67.0/53

Out: 0.313+/-0.045 χ^2/NDF:110.5/56

All: 0.250+/-0.033 χ^2/NDF: 181.5/110

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.053+/-0.072 χ^2/NDF: 45.6/30

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.049+/-0.067 χ^2/NDF: 46.5/32

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

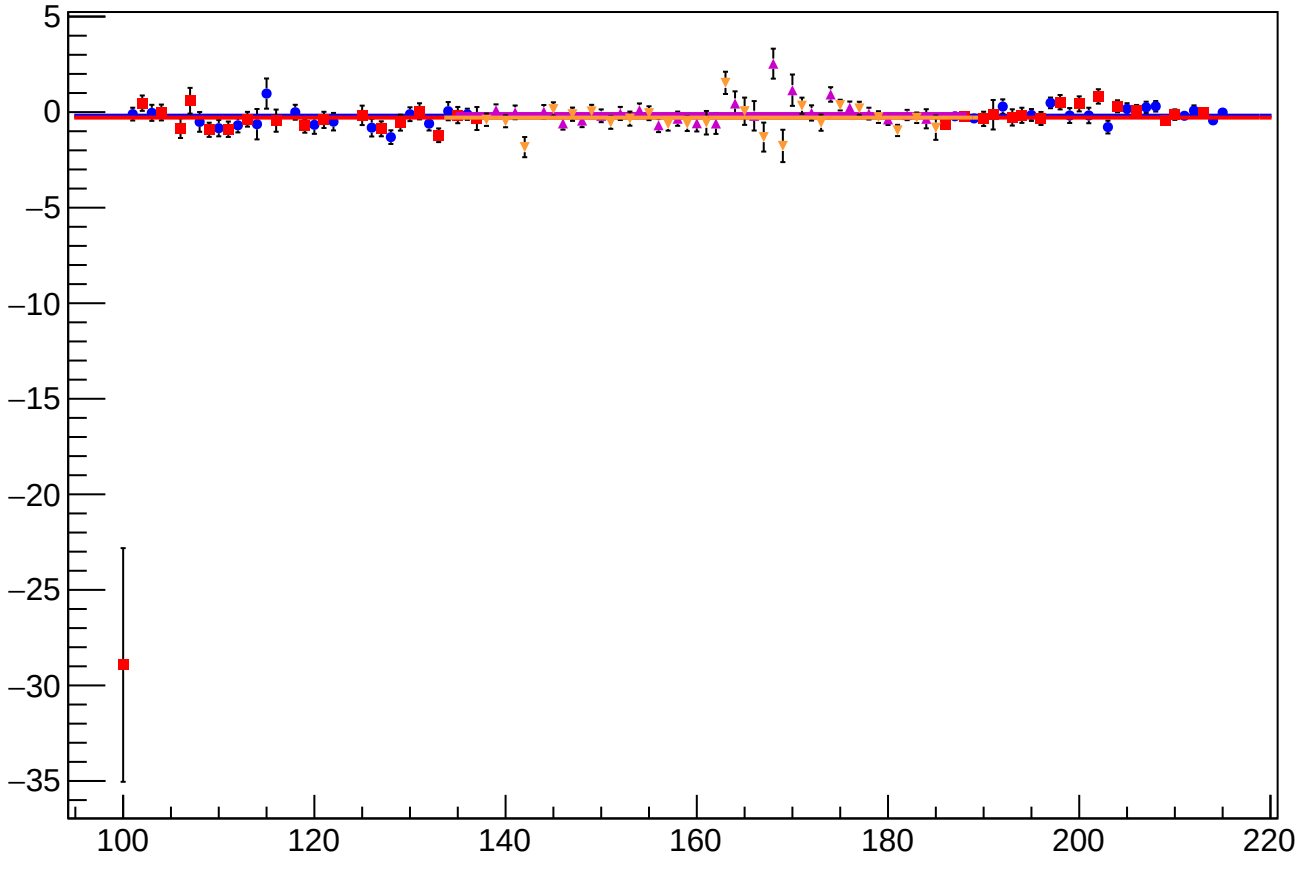
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.051+/-0.049 χ^2/NDF: 92.1/63

In: 0.143+/-0.046 χ^2/NDF:80.2/53

Out: 0.166+/-0.044 χ^2/NDF:78.3/56

All: 0.155+/-0.032 χ^2/NDF: 158.7/110



Right In: -0.185+/-0.059 χ^2/NDF: 42.3/30

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.287+/-0.053 χ^2/NDF: 76.8/32

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

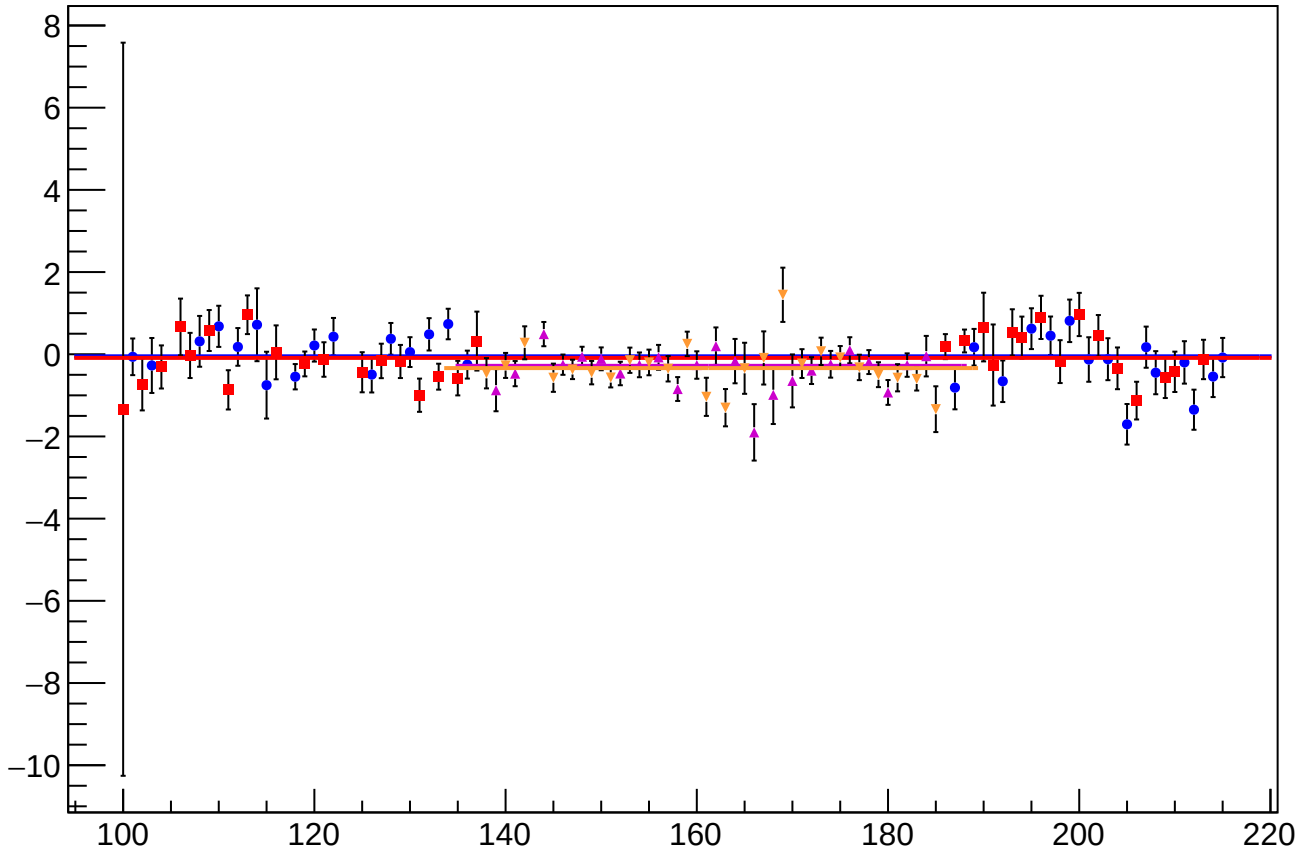
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.241+/-0.039 χ^2/NDF: 120.8/63

In: -0.155+/-0.047 χ^2/NDF:76.3/53

Out: -0.287+/-0.044 χ^2/NDF:121.9/56

All: -0.225+/-0.032 χ^2/NDF: 202.4/110



Right In: -0.050+/-0.083 χ^2/NDF: 47.2/30

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.088+/-0.081 χ^2/NDF: 43.0/32

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

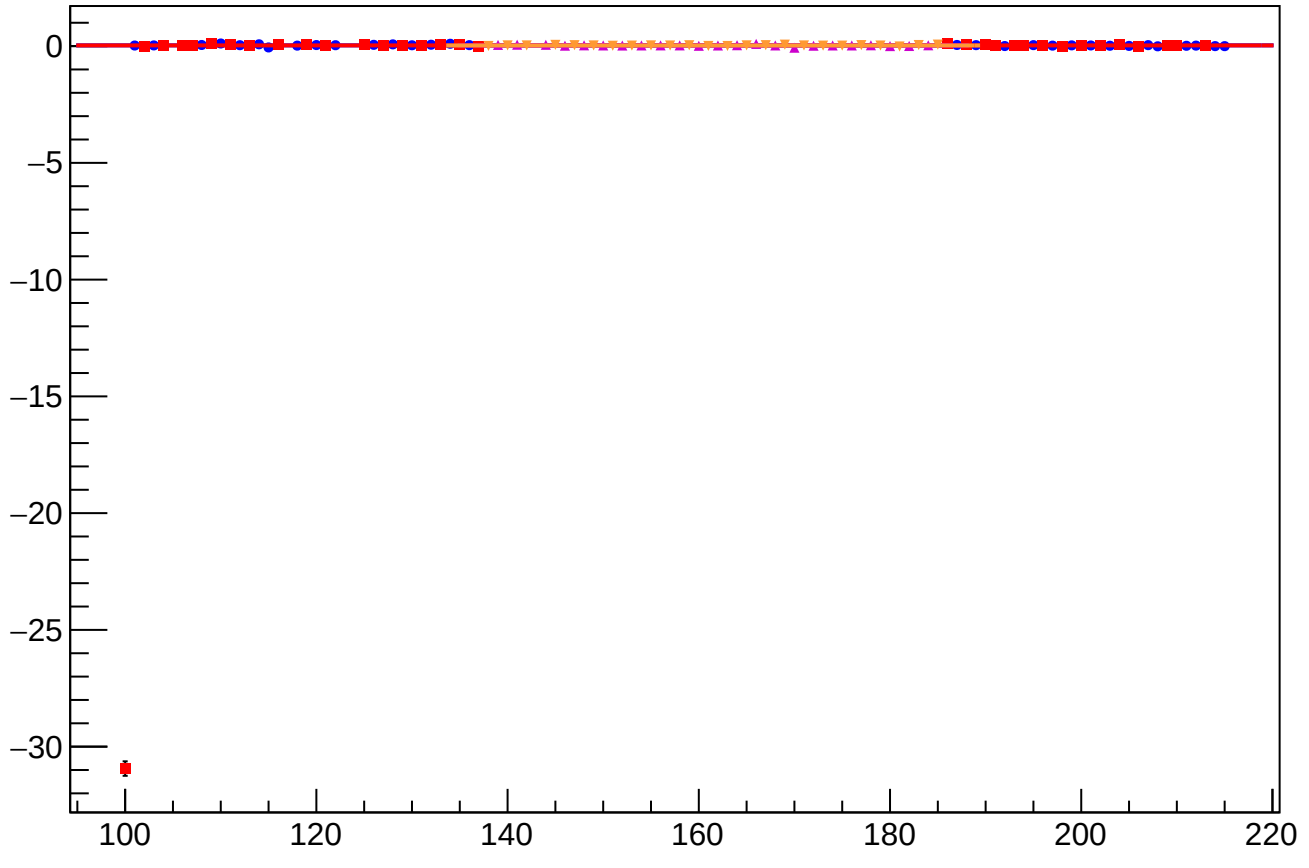
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.070+/-0.058 χ^2/NDF: 90.4/63

In: -0.187+/-0.053 χ^2/NDF:80.8/53

Out: -0.234+/-0.052 χ^2/NDF:78.7/56

All: -0.211+/-0.037 χ^2/NDF: 159.9/110



Right In: 0.033+/-0.004 χ^2/NDF: 40.6/30

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.030+/-0.004 χ^2/NDF: 10055.8/32

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

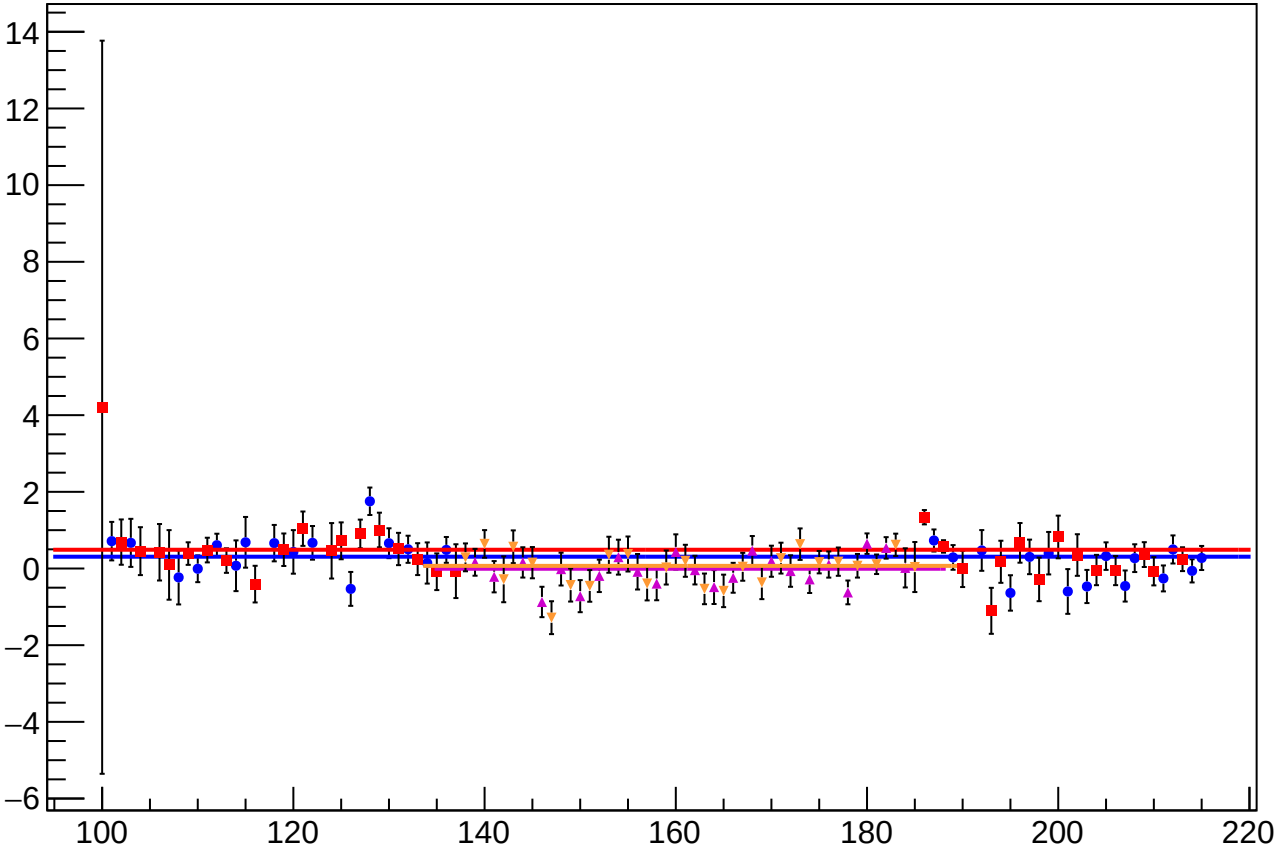
Right: 0.031+/-0.003 χ^2/NDF: 10096.6/63

In: 0.031+/-0.002 χ^2/NDF:79.9/53

Out: 0.029+/-0.002 χ^2/NDF:10083.6/56

All: 0.030+/-0.002 χ^2/NDF: 10163.8/110

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.308+/-0.073 χ^2/NDF: 46.8/30

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.489+/-0.067 χ^2/NDF: 50.3/32

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

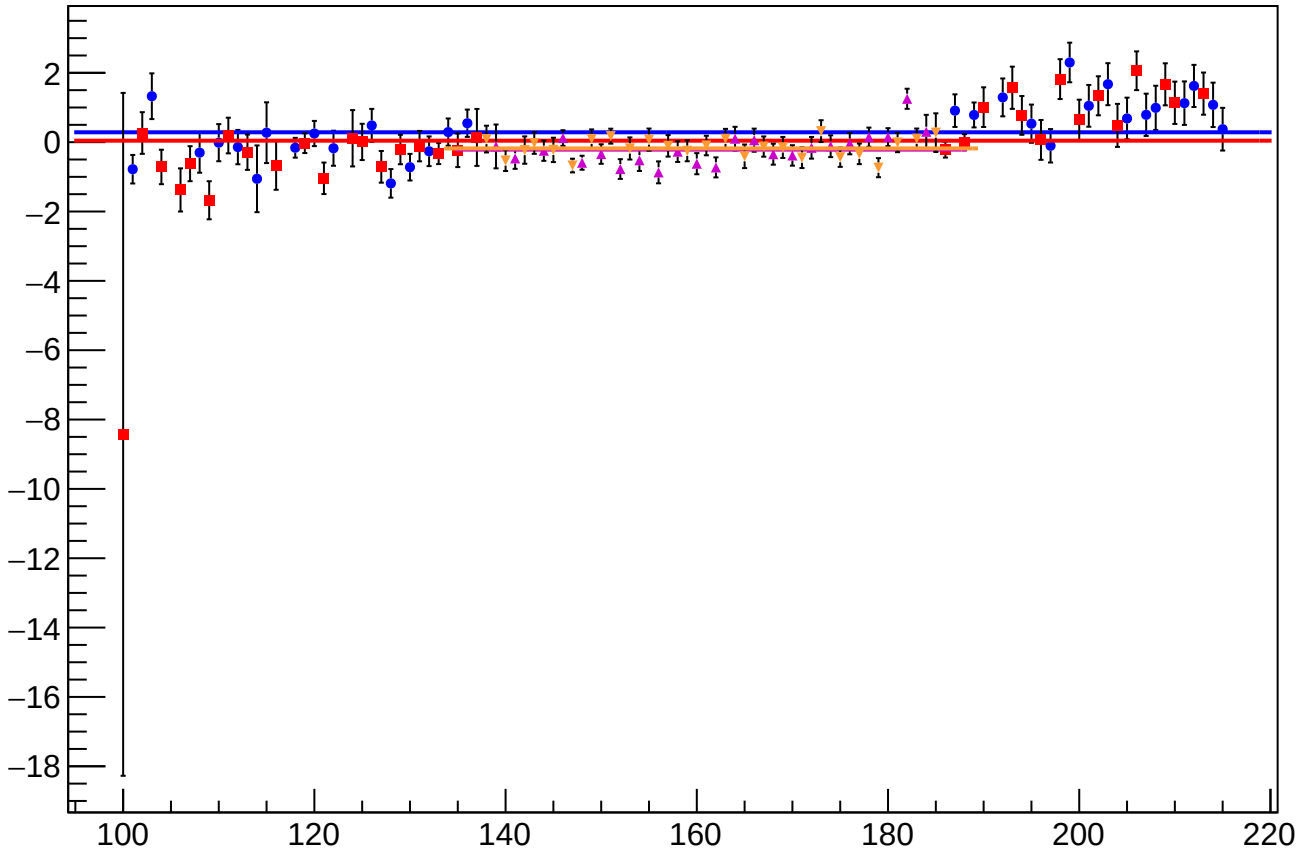
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.405+/-0.049 χ^2/NDF: 100.4/63

In: 0.165+/-0.054 χ^2/NDF:83.8/53

Out: 0.308+/-0.051 χ^2/NDF:98.3/57

All: 0.241+/-0.037 χ^2/NDF: 185.9/111



Right In: 0.285+/-0.088 χ^2/NDF: 76.2/30

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.043+/-0.081 χ^2/NDF: 89.3/32

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

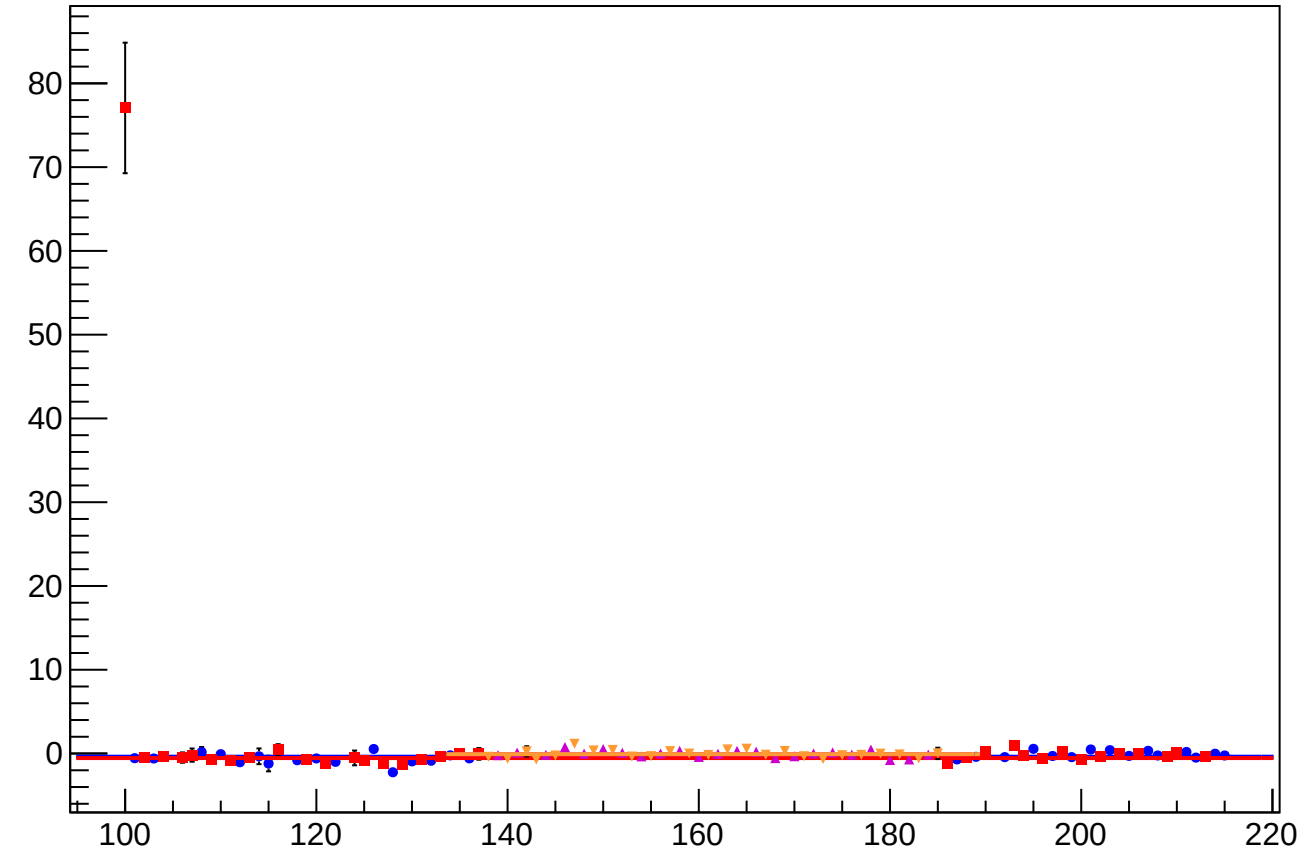
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.154+/-0.059 χ^2/NDF: 169.6/63

In: -0.050+/-0.050 χ^2/NDF:151.7/53

Out: -0.102+/-0.048 χ^2/NDF:119.0/57

All: -0.078+/-0.035 χ^2/NDF: 271.2/111



Right In: -0.382+/-0.074 χ^2/NDF: 53.4/30

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.542+/-0.065 χ^2/NDF: 149.5/32

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

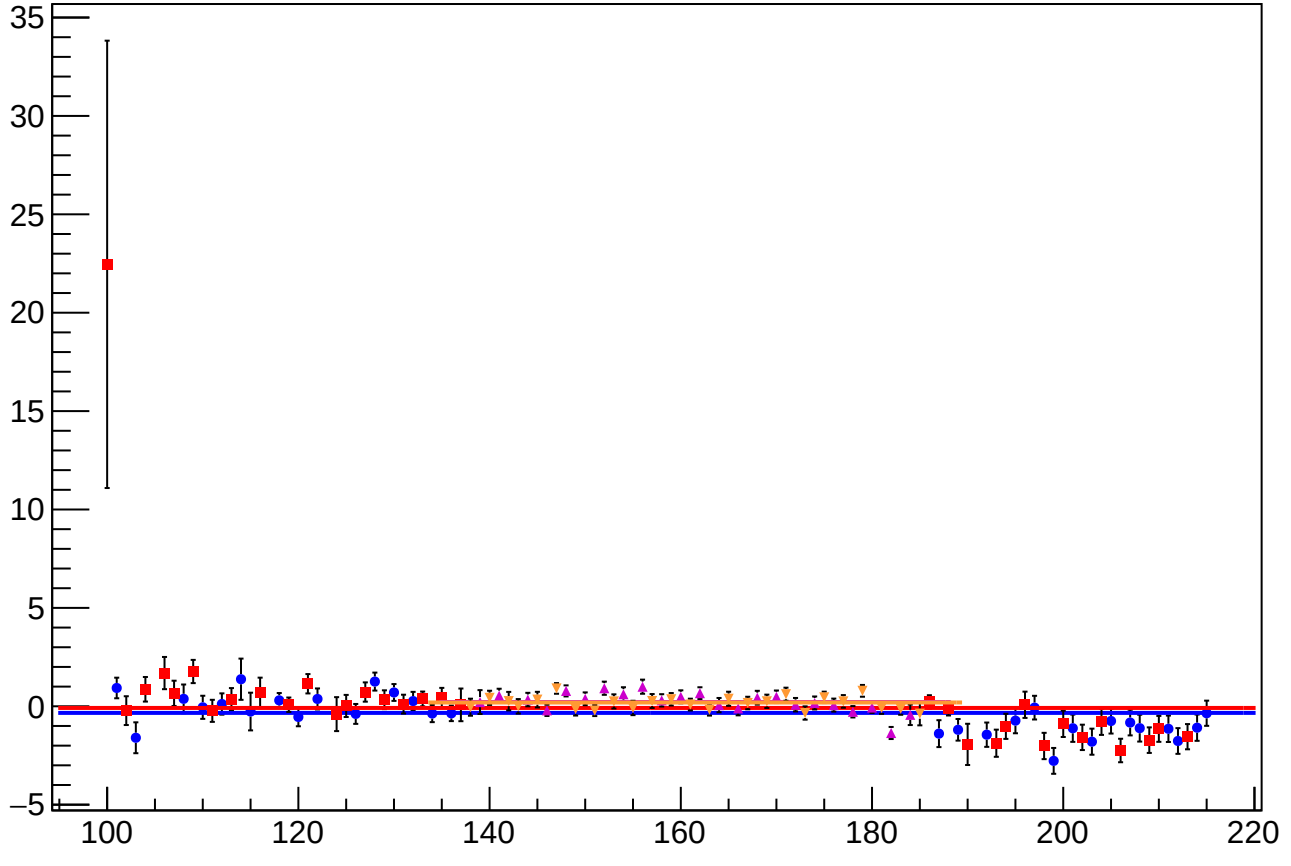
Right: -0.472+/-0.049 χ^2/NDF: 205.6/63

In: -0.239+/-0.054 χ^2/NDF:89.8/53

Out: -0.349+/-0.049 χ^2/NDF:201.0/57

All: -0.299+/-0.036 χ^2/NDF: 293.1/111

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.336+/-0.101 χ^2/NDF: 75.9/30

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.084+/-0.098 χ^2/NDF: 93.3/32

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

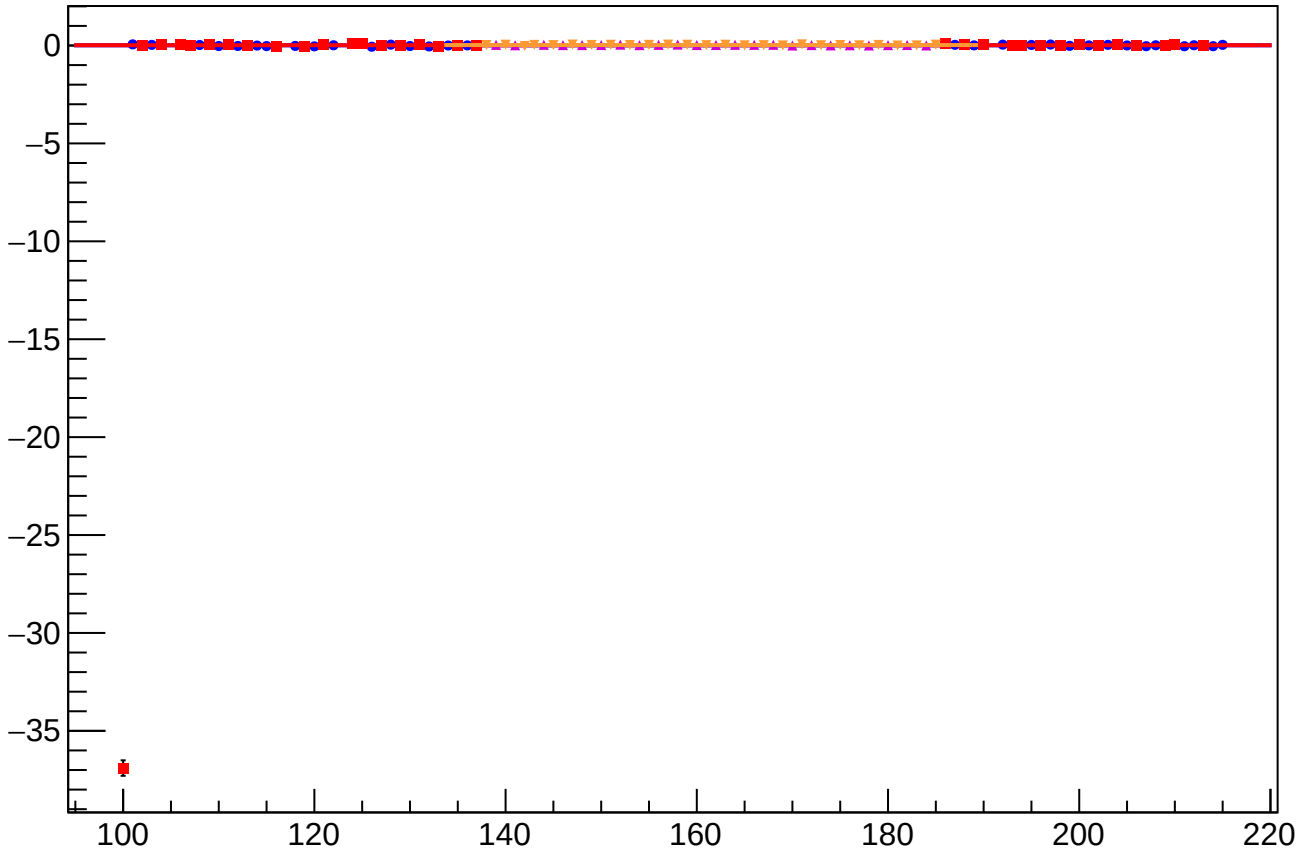
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.205+/-0.070 χ^2/NDF: 172.4/63

In: 0.040+/-0.057 χ^2/NDF:151.1/53

Out: 0.105+/-0.055 χ^2/NDF:124.7/57

All: 0.074+/-0.040 χ^2/NDF: 276.4/111



Right In: 0.010+/-0.005 χ^2/NDF: 36.8/30

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8783.0/32

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

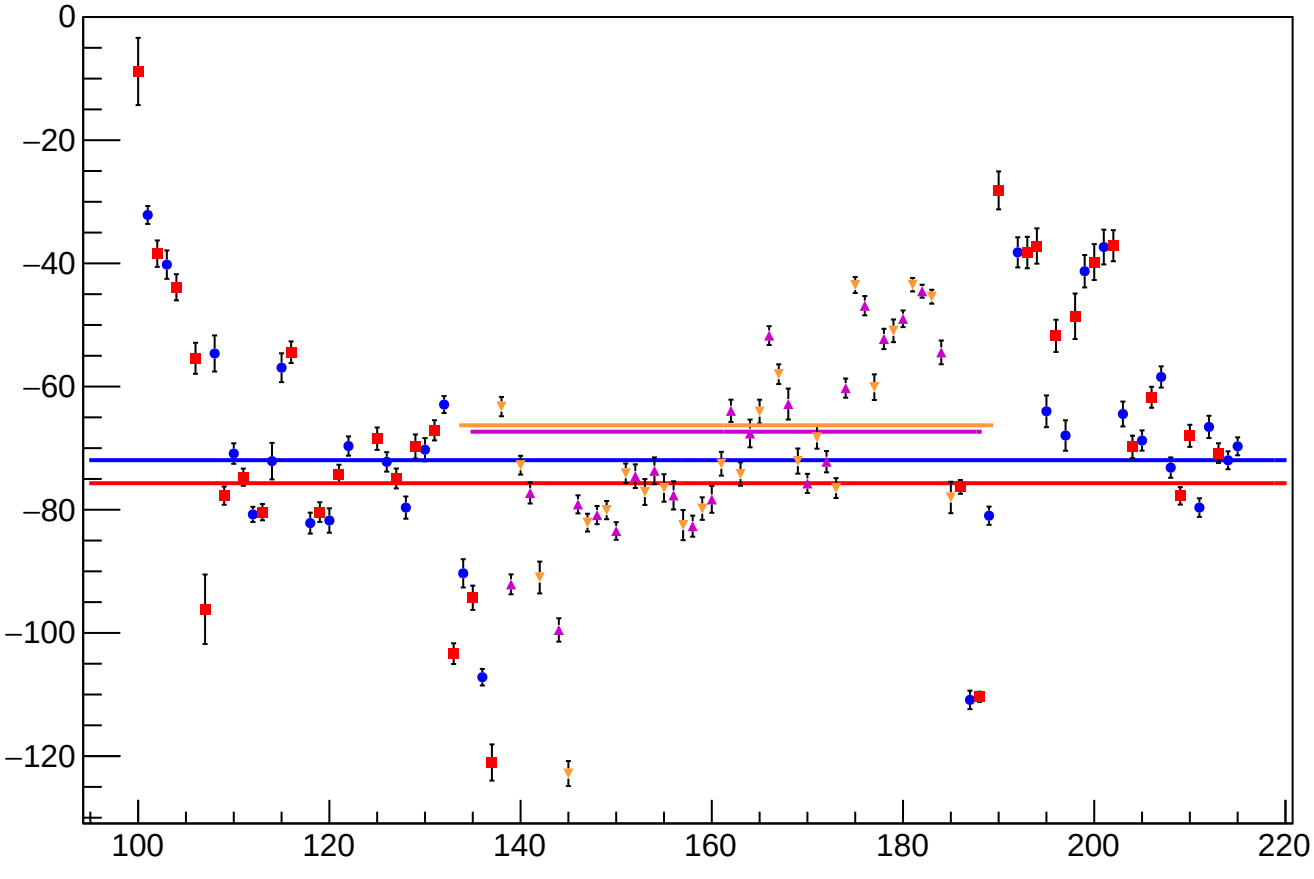
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.003 χ^2/NDF: 8820.5/63

In: 0.020+/-0.003 χ^2/NDF:61.5/53

Out: 0.021+/-0.003 χ^2/NDF:8816.1/57

All: 0.021+/-0.002 χ^2/NDF: 8877.7/111



Right In: -71.952+/-0.316 χ^2/NDF: 3256.1/30

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.691+/-0.311 χ^2/NDF: 4595.2/31

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

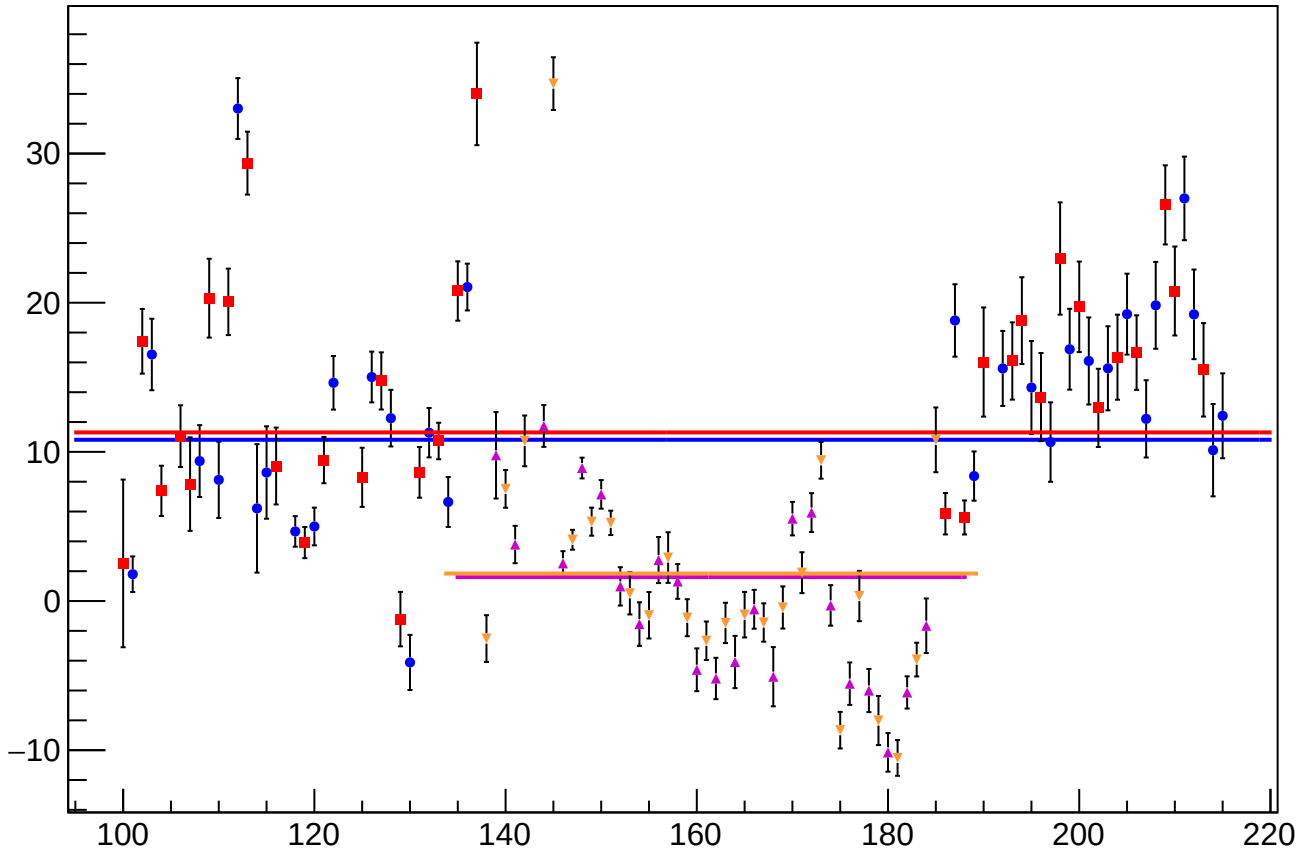
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.853+/-0.221 χ^2/NDF: 7922.6/62

In: -69.845+/-0.233 χ^2/NDF:5456.3/53

Out: -71.466+/-0.230 χ^2/NDF:7557.4/55

All: -70.665+/-0.164 χ^2/NDF: 13038.2/109



Right In: 10.812+/-0.360 χ^2/NDF: 457.3/30

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.304+/-0.356 χ^2/NDF: 414.2/31

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

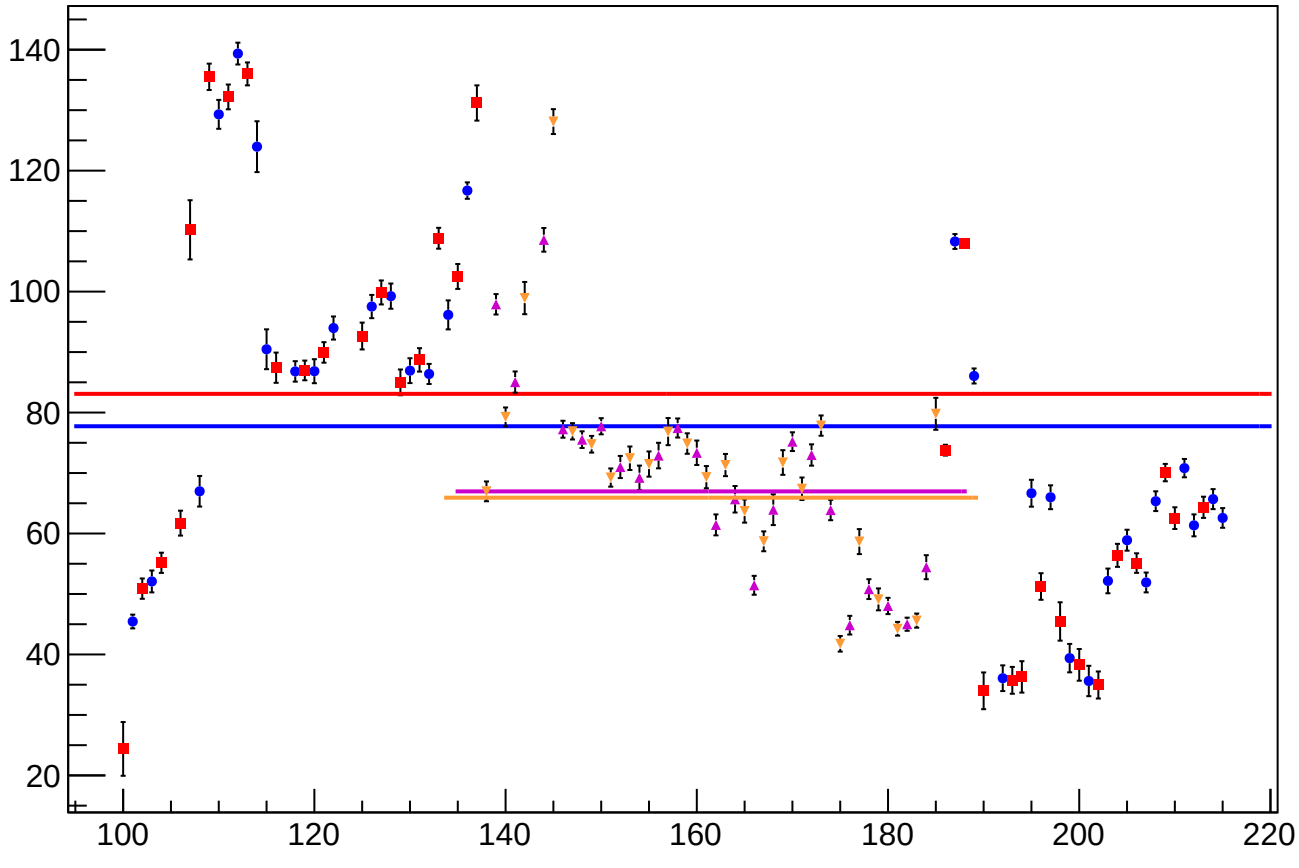
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 11.060+/-0.253 χ^2/NDF: 872.5/62

In: 4.737+/-0.210 χ^2/NDF:1385.8/53

Out: 5.036+/-0.207 χ^2/NDF:1662.5/55

All: 4.888+/-0.147 χ^2/NDF: 3049.3/109



Right In: 77.735+/-0.321 χ^2/NDF: 6529.8/30

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 83.091+/-0.306 χ^2/NDF: 8073.2/31

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

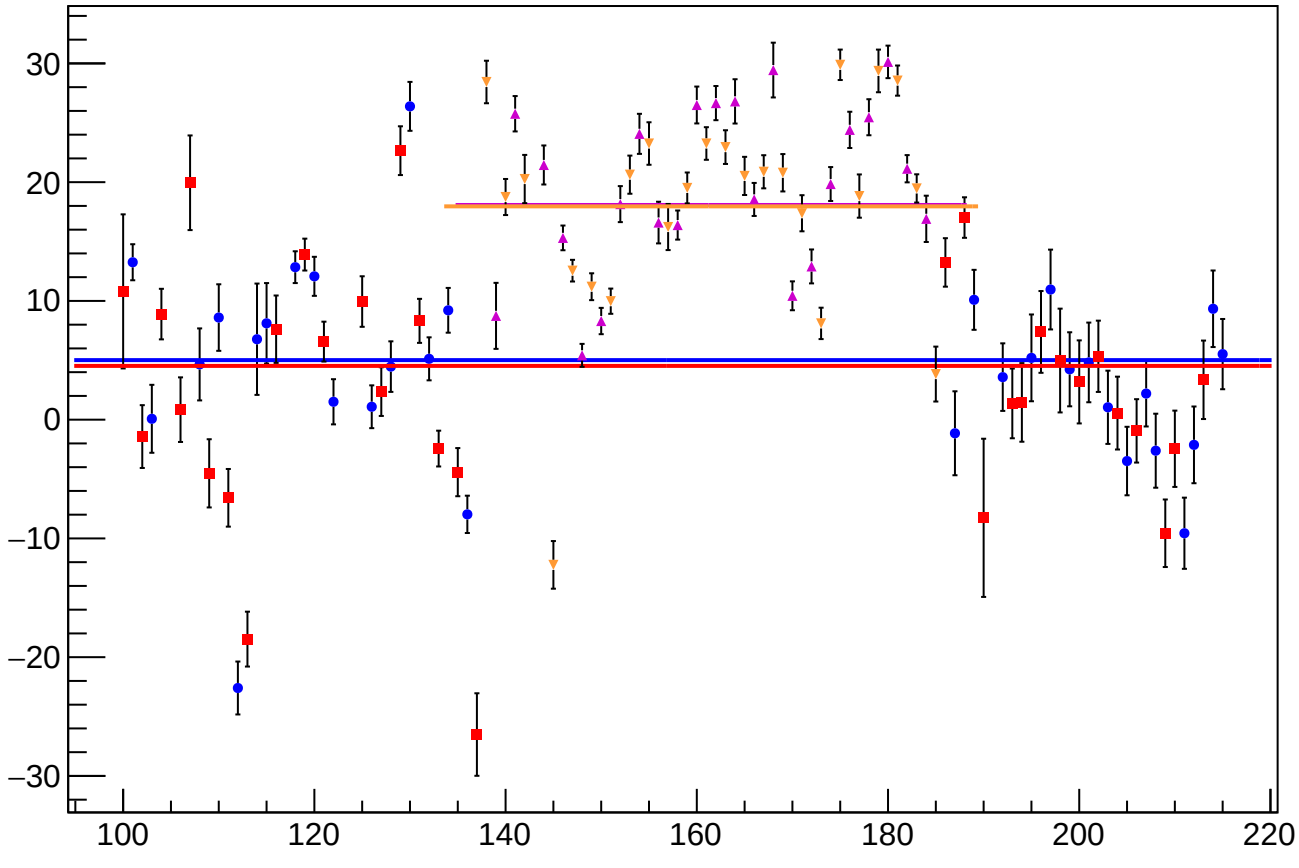
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 80.544+/-0.222 χ^2/NDF: 14748.7/62

In: 72.673+/-0.234 χ^2/NDF:9279.2/53

Out: 75.422+/-0.228 χ^2/NDF:12035.3/55

All: 74.085+/-0.163 χ^2/NDF: 21385.4/109



Right In: 5.015+/-0.420 χ^2/NDF: 488.7/30

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.529+/-0.424 χ^2/NDF: 532.4/31

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

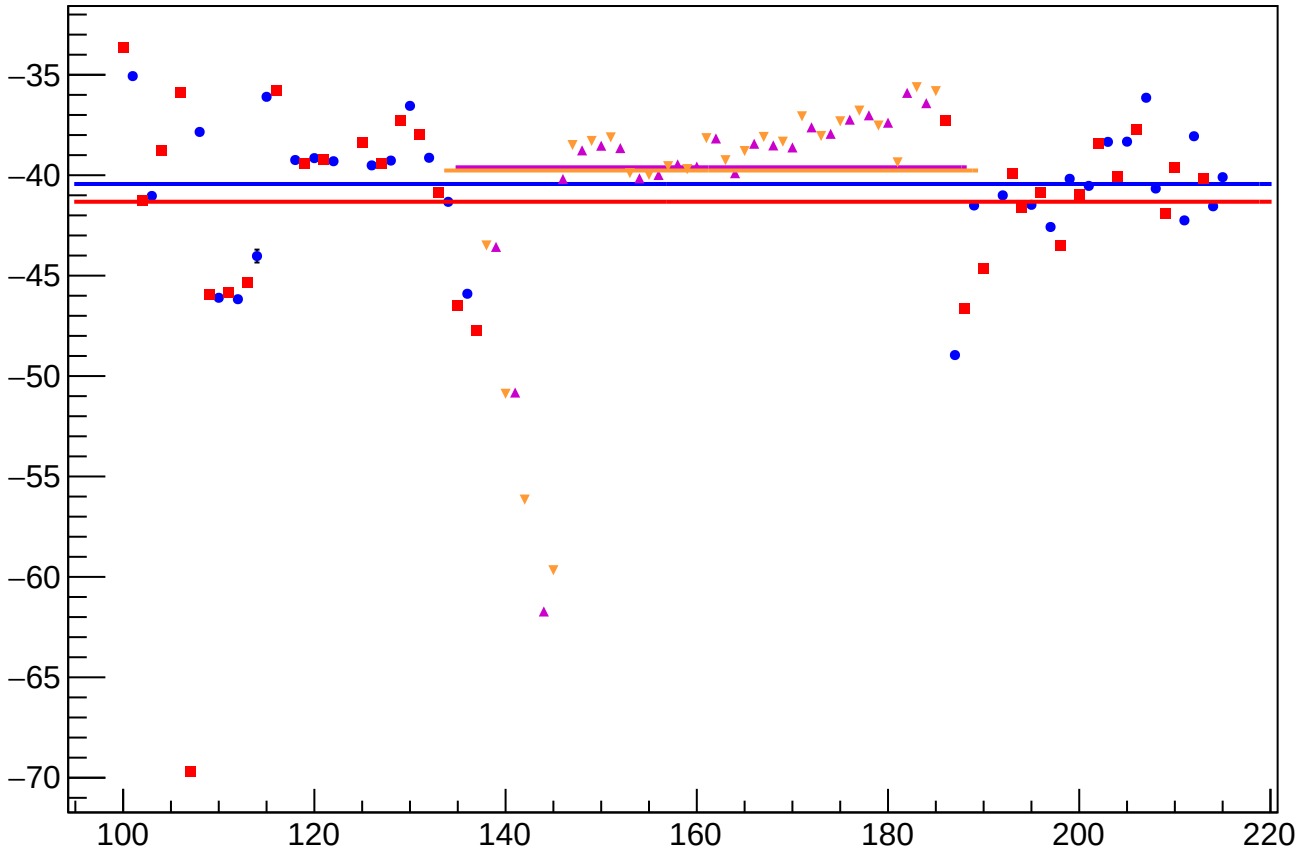
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.775+/-0.298 χ^2/NDF: 1021.8/62

In: 13.761+/-0.241 χ^2/NDF:1742.6/53

Out: 13.648+/-0.241 χ^2/NDF:1944.7/55

All: 13.704+/-0.170 χ^2/NDF: 3687.4/109



Right In: -40.437+/-0.021 χ^2/NDF: 23336.2/30

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.321+/-0.021 χ^2/NDF: 44827.6/31

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

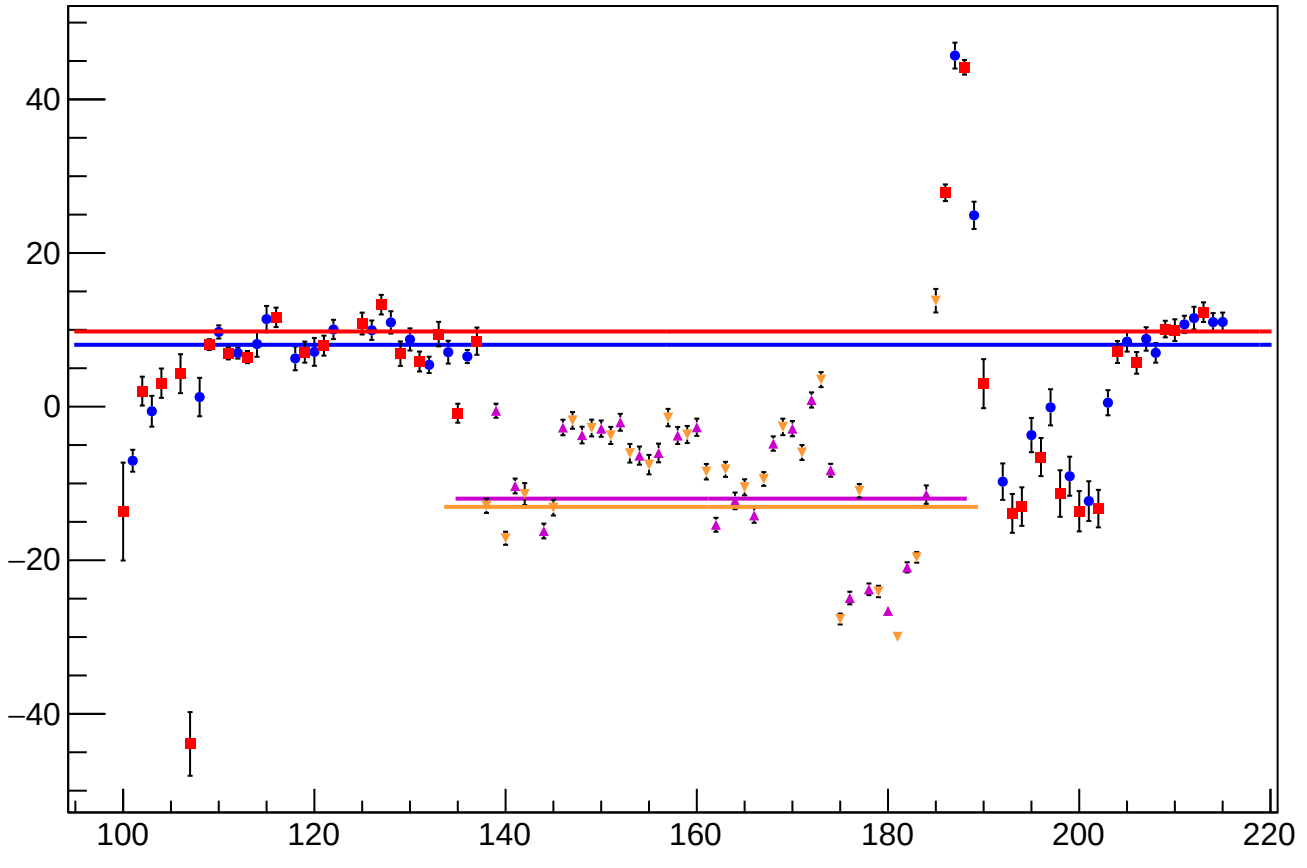
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

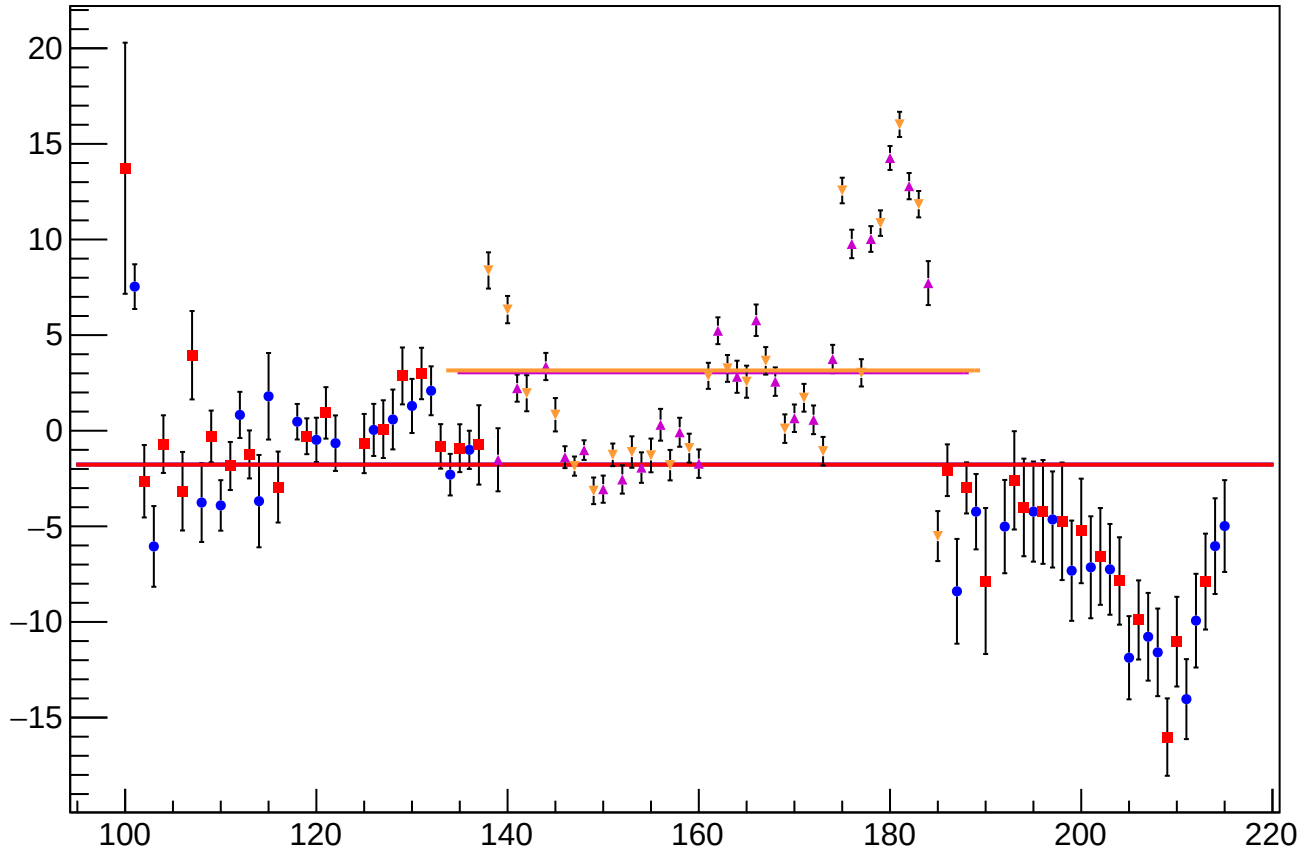
Right: -40.873+/-0.015 χ^2/NDF: 69060.4/62

In: -39.850+/-0.011 χ^2/NDF:131107.8/53

Out: -40.218+/-0.011 χ^2/NDF:178607.7/55

All: -40.033+/-0.008 χ^2/NDF: 310247.2/109


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
220
Right In: 8.051+/-0.245 χ²/NDF: 1008.1/30
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 9.786+/-0.241 χ²/NDF: 2391.3/31
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 8.933+/-0.172 χ²/NDF: 3424.8/62
In: -4.196+/-0.153 χ²/NDF:7263.4/53
Out: -4.159+/-0.151 χ²/NDF:10726.9/55
All: -4.177+/-0.107 χ²/NDF: 17990.3/109



Right In: -1.768+/-0.292 χ^2/NDF: 235.8/30

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.775+/-0.295 χ^2/NDF: 151.7/31

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

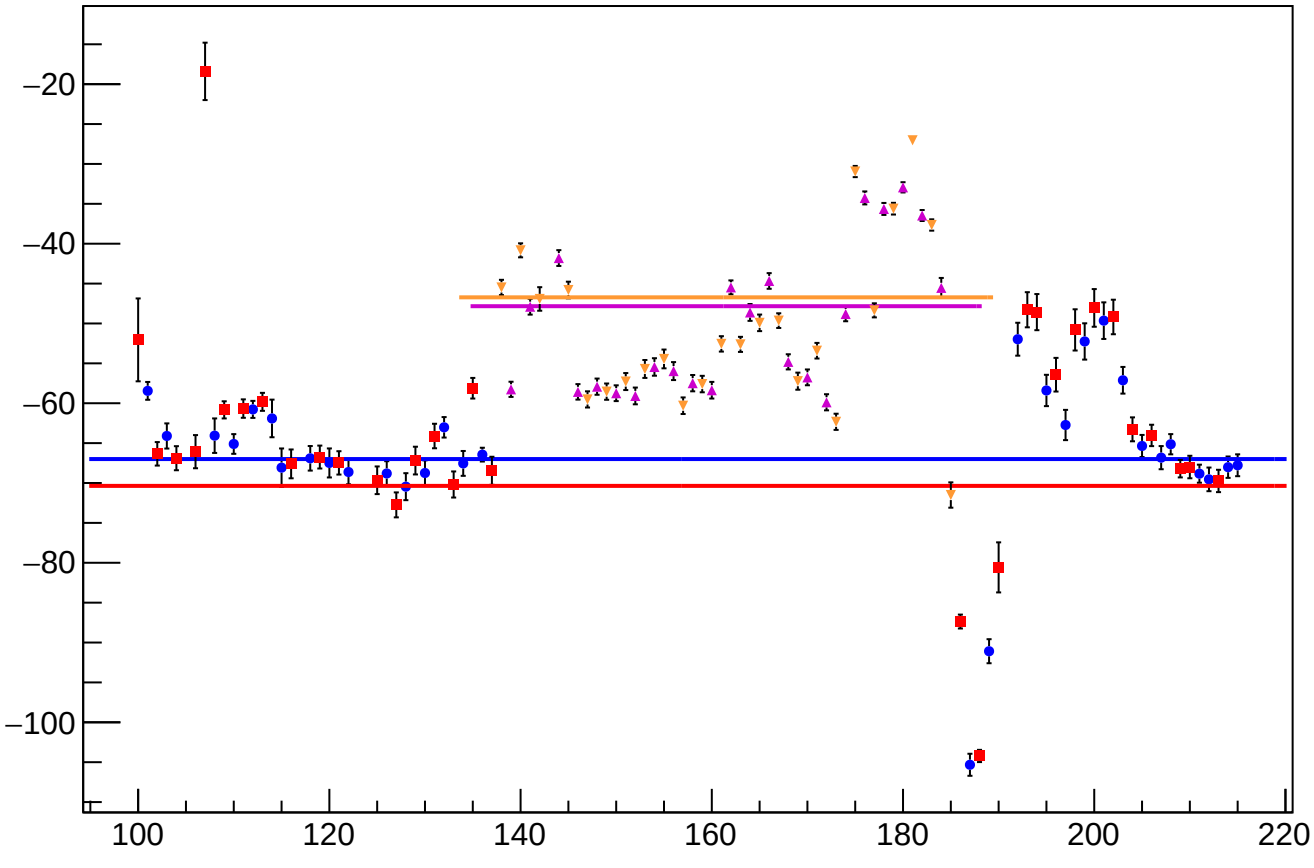
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.771+/-0.208 χ^2/NDF: 387.6/62

In: 2.025+/-0.135 χ^2/NDF:1595.8/53

Out: 2.153+/-0.133 χ^2/NDF:1758.4/55

All: 2.090+/-0.095 χ^2/NDF: 3354.7/109



Right In: -66.998+/-0.263 χ^2/NDF: 1369.7/30

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.361+/-0.260 χ^2/NDF: 3475.0/31

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

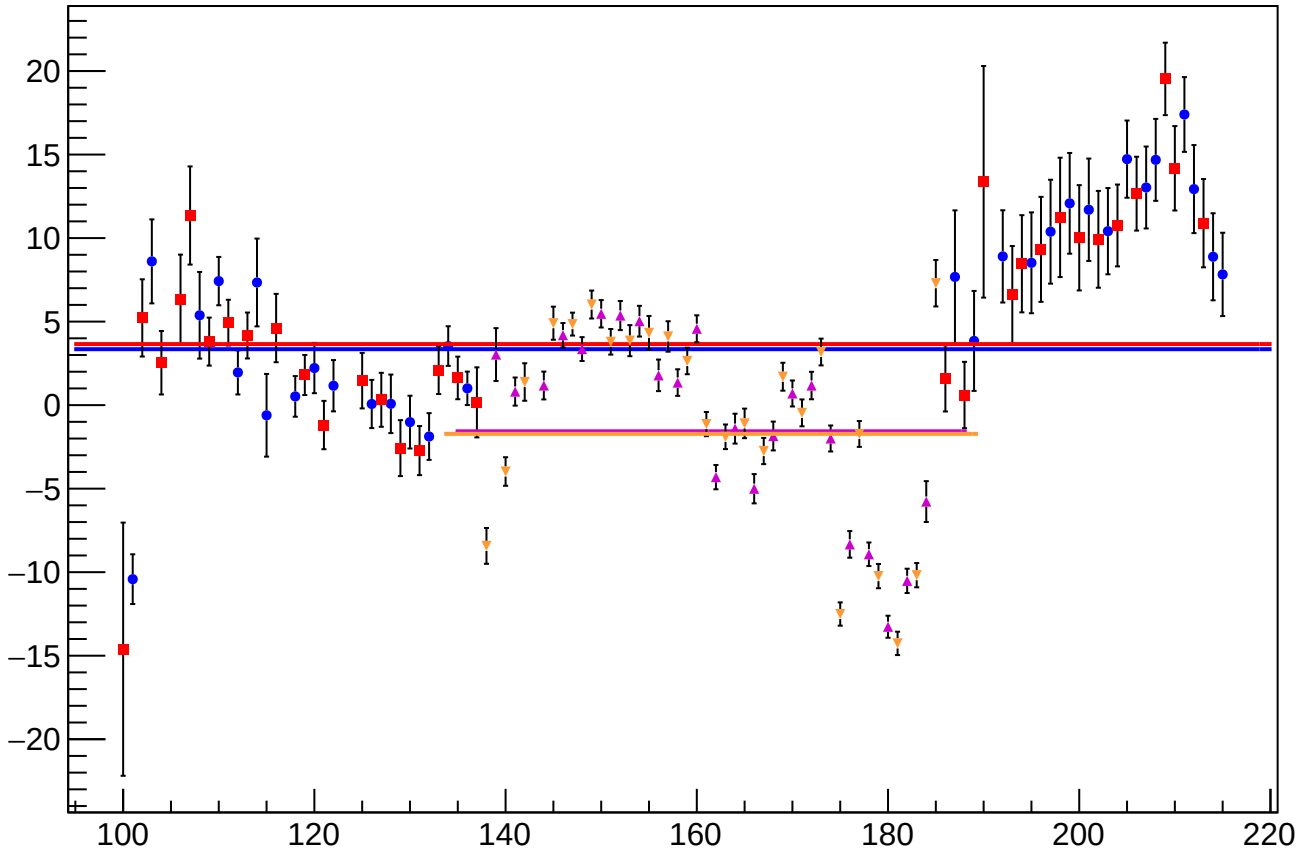
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.704+/-0.185 χ^2/NDF: 4927.4/62

In: -54.565+/-0.156 χ^2/NDF:7359.1/53

Out: -55.055+/-0.154 χ^2/NDF:12288.1/55

All: -54.813+/-0.110 χ^2/NDF: 19652.2/109



Right In: 3.349+/-0.331 χ^2/NDF: 306.3/30

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.655+/-0.340 χ^2/NDF: 203.5/31

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

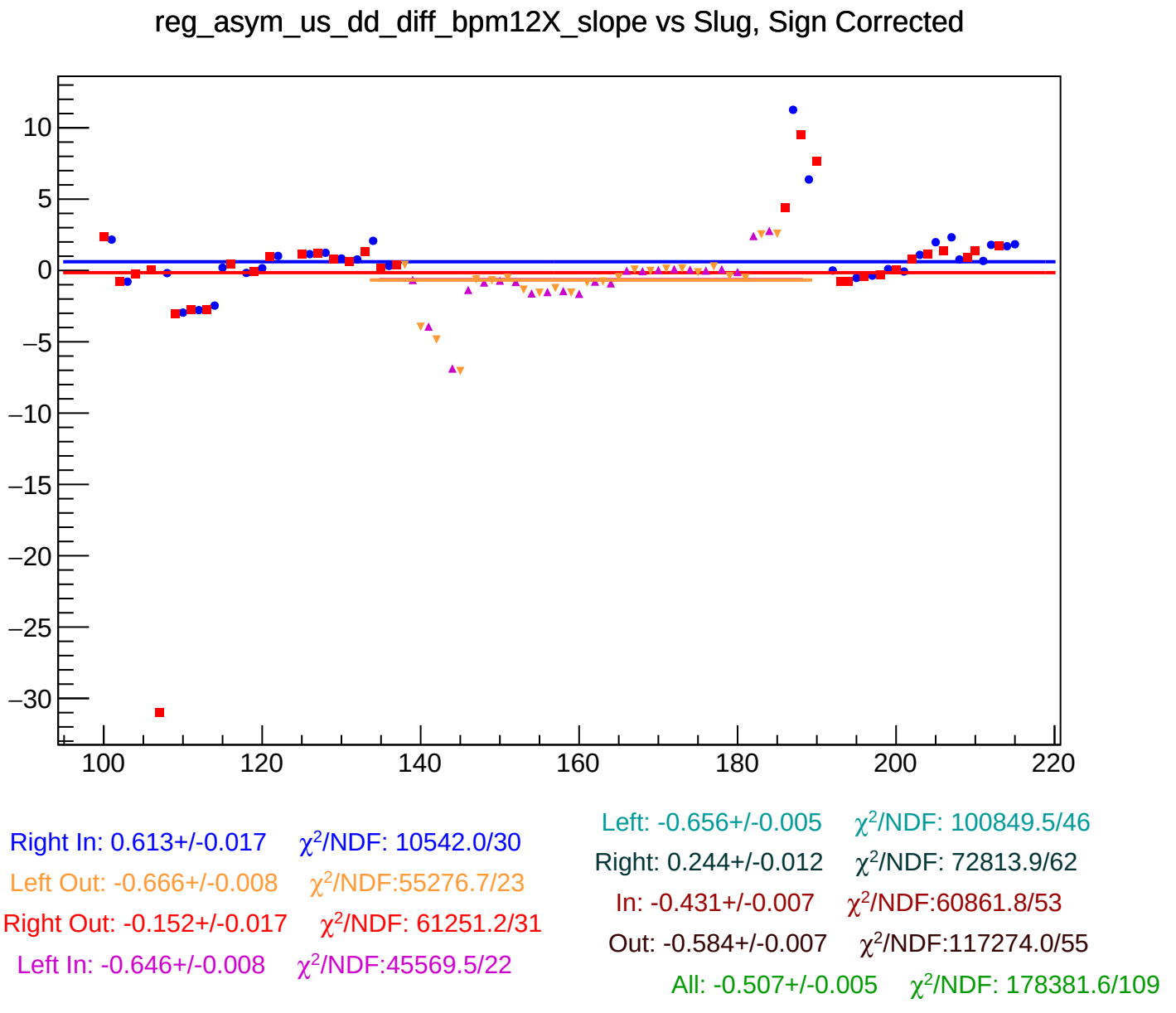
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

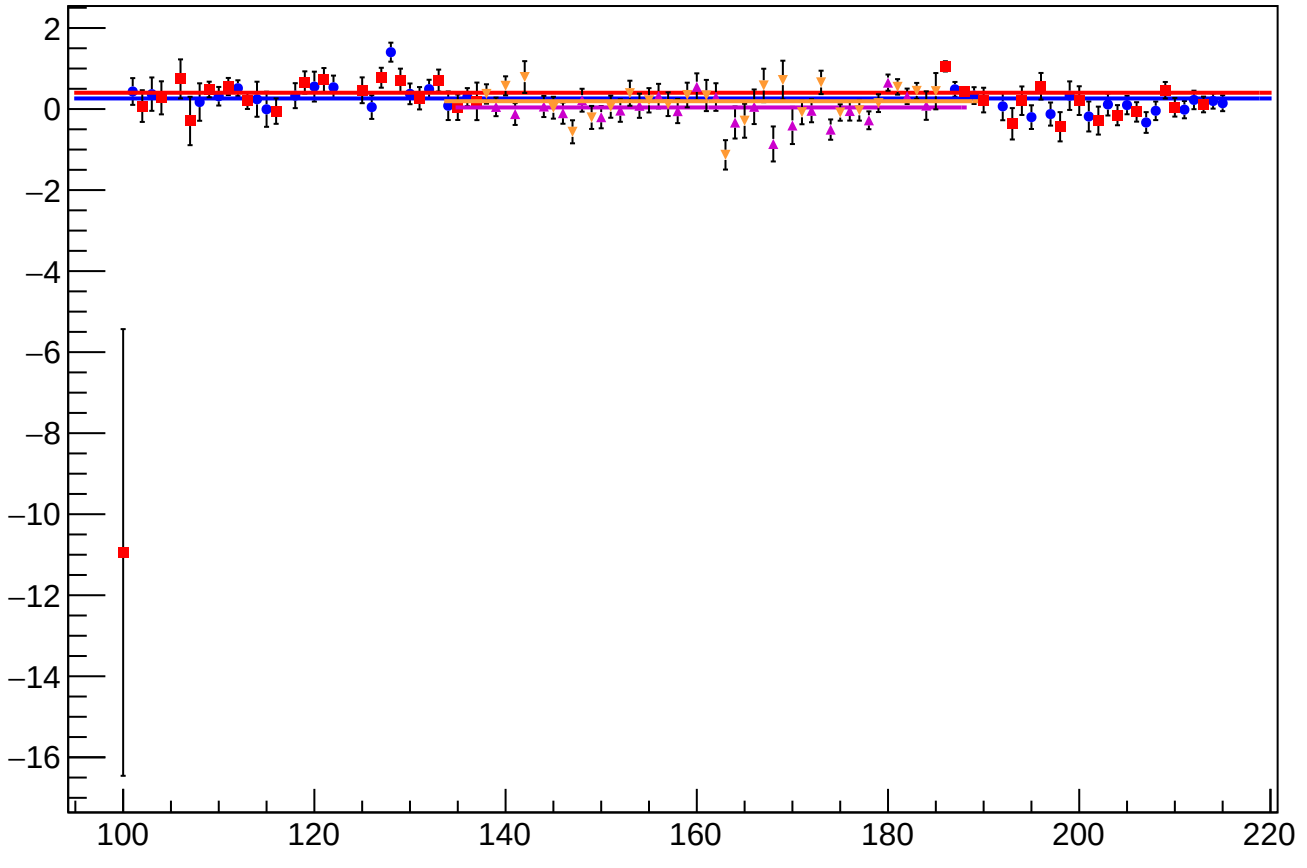
Right: 3.497+/-0.237 χ^2/NDF: 510.2/62

In: -0.533+/-0.152 χ^2/NDF:1598.5/53

Out: -0.667+/-0.151 χ^2/NDF:1810.1/55

All: -0.601+/-0.107 χ^2/NDF: 3409.0/109


reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected
10
5
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
220
Right In: 0.613+/-0.017 χ²/NDF: 10542.0/30
Left Out: -0.666+/-0.008 χ²/NDF:55276.7/23
Right Out: -0.152+/-0.017 χ²/NDF: 61251.2/31
Left In: -0.646+/-0.008 χ²/NDF:45569.5/22
Left: -0.656+/-0.005 χ²/NDF: 100849.5/46
Right: 0.244+/-0.012 χ²/NDF: 72813.9/62
In: -0.431+/-0.007 χ²/NDF:60861.8/53
Out: -0.584+/-0.007 χ²/NDF:117274.0/55
All: -0.507+/-0.005 χ²/NDF: 178381.6/109



Right In: 0.261+/-0.047 χ^2/NDF: 47.7/30

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.402+/-0.044 χ^2/NDF: 73.5/31

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

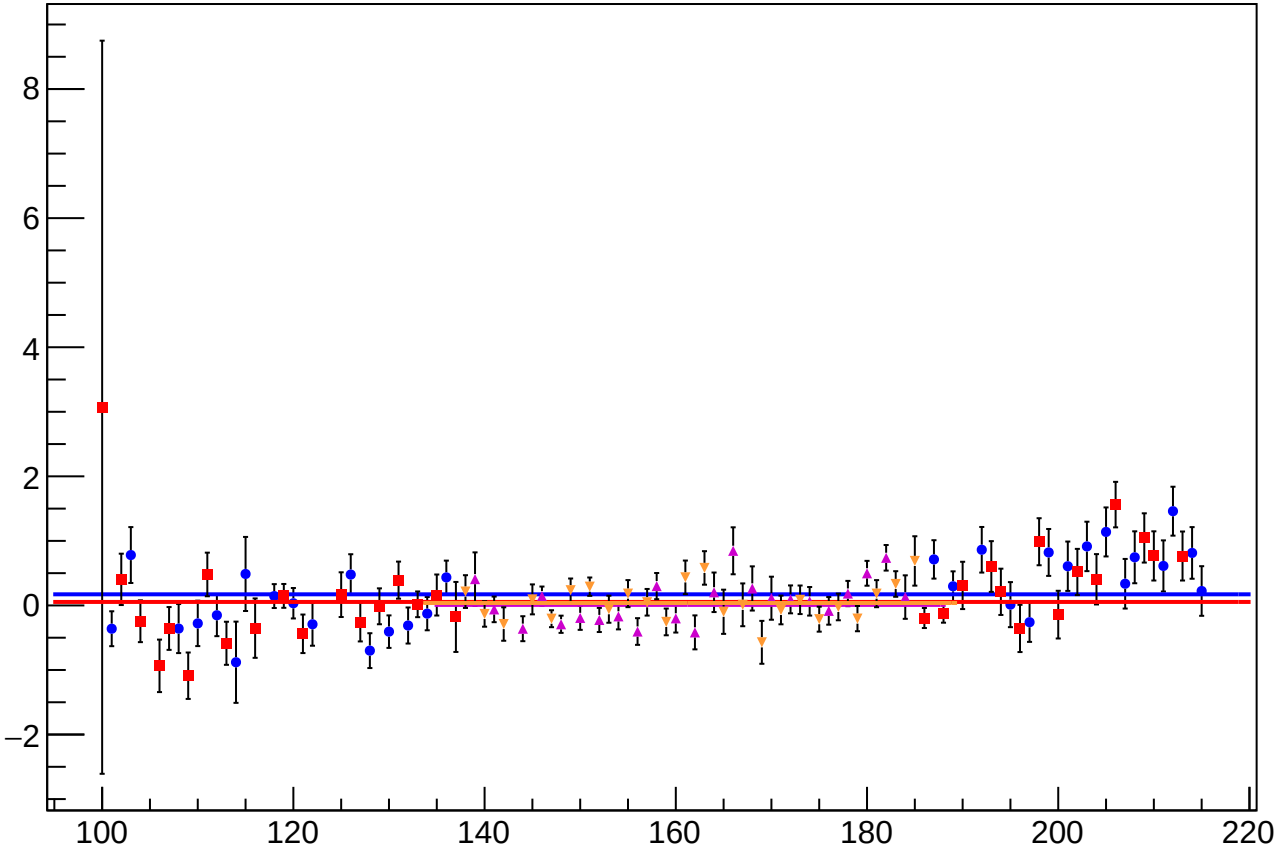
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.336+/-0.032 χ^2/NDF: 126.1/62

In: 0.174+/-0.036 χ^2/NDF:87.2/53

Out: 0.325+/-0.035 χ^2/NDF:126.2/55

All: 0.253+/-0.025 χ^2/NDF: 222.5/109



Right In: 0.172+/-0.057 χ^2/NDF: 79.8/30

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.054+/-0.053 χ^2/NDF: 80.7/31

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

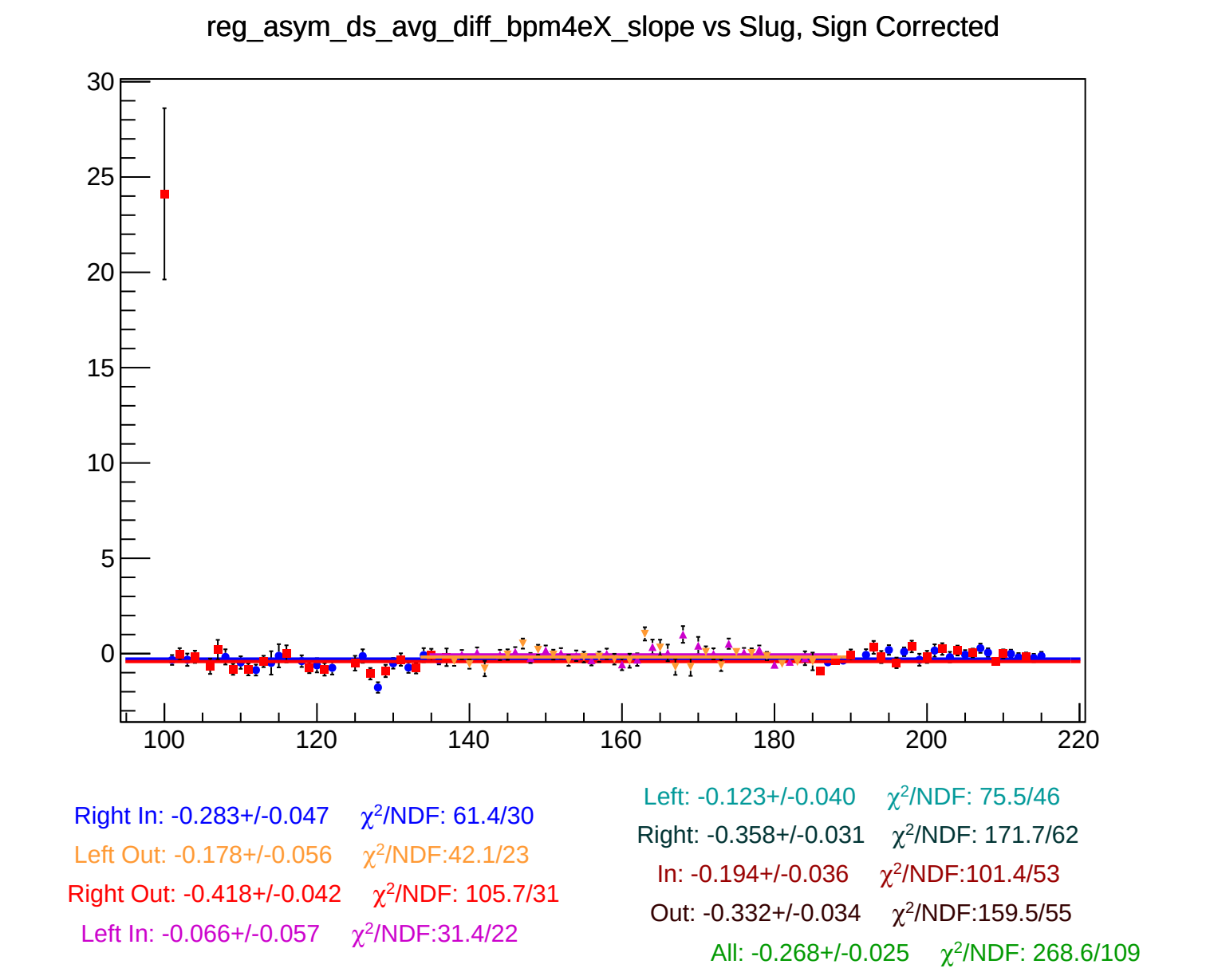
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

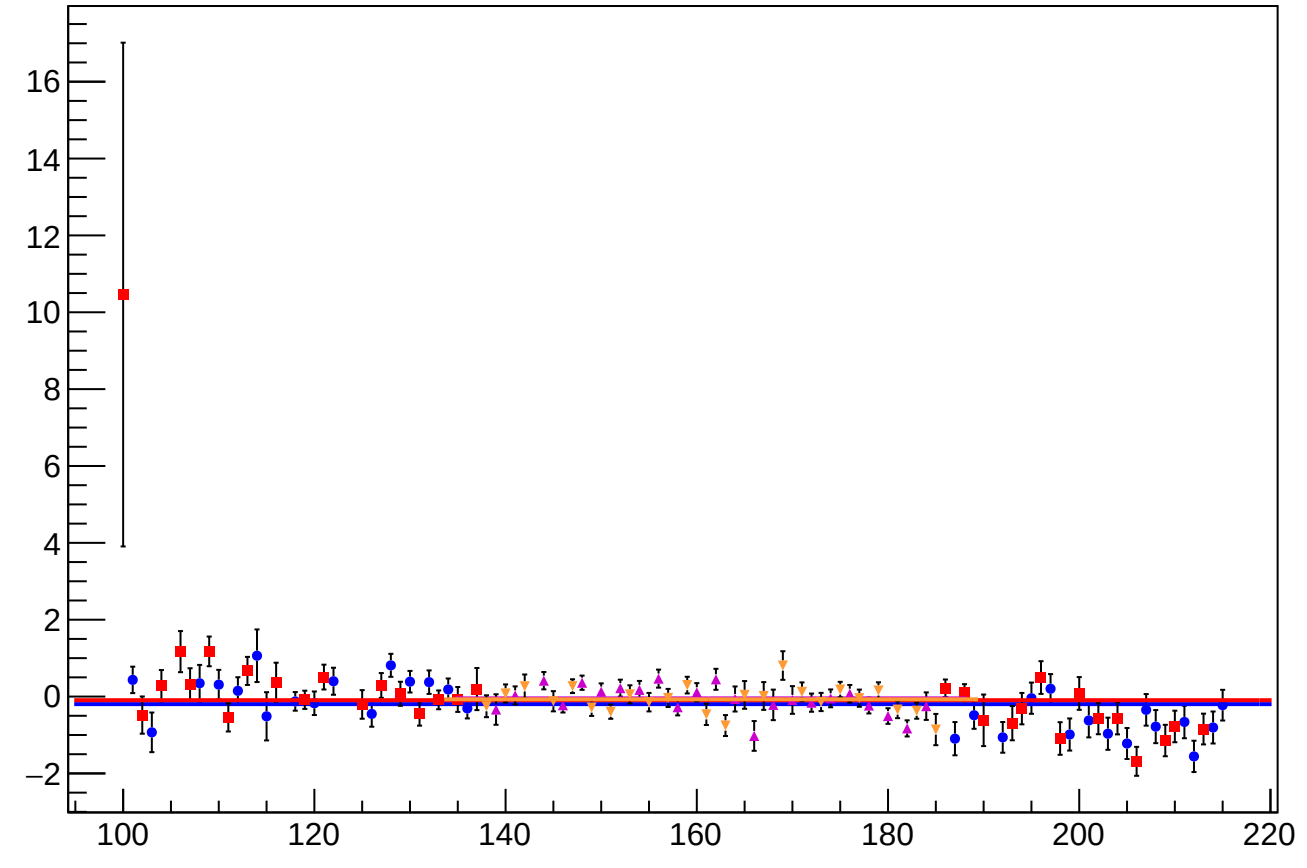
Right: 0.109+/-0.039 χ^2/NDF: 162.8/62

In: 0.070+/-0.035 χ^2/NDF:136.4/53

Out: 0.044+/-0.033 χ^2/NDF:113.5/55

All: 0.057+/-0.024 χ^2/NDF: 250.2/109


reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
100
120
140
160
180
200
220
Right In: -0.283+/-0.047 χ2/NDF: 61.4/30
Left Out: -0.178+/-0.056 χ2/NDF:42.1/23
Right Out: -0.418+/-0.042 χ2/NDF: 105.7/31
Left In: -0.066+/-0.057 χ2/NDF:31.4/22
Left: -0.123+/-0.040 χ2/NDF: 75.5/46
Right: -0.358+/-0.031 χ2/NDF: 171.7/62
In: -0.194+/-0.036 χ2/NDF:101.4/53
Out: -0.332+/-0.034 χ2/NDF:159.5/55
All: -0.268+/-0.025 χ2/NDF: 268.6/109



Right In: -0.197+/-0.066 χ^2/NDF: 79.4/30

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.094+/-0.064 χ^2/NDF: 81.2/31

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

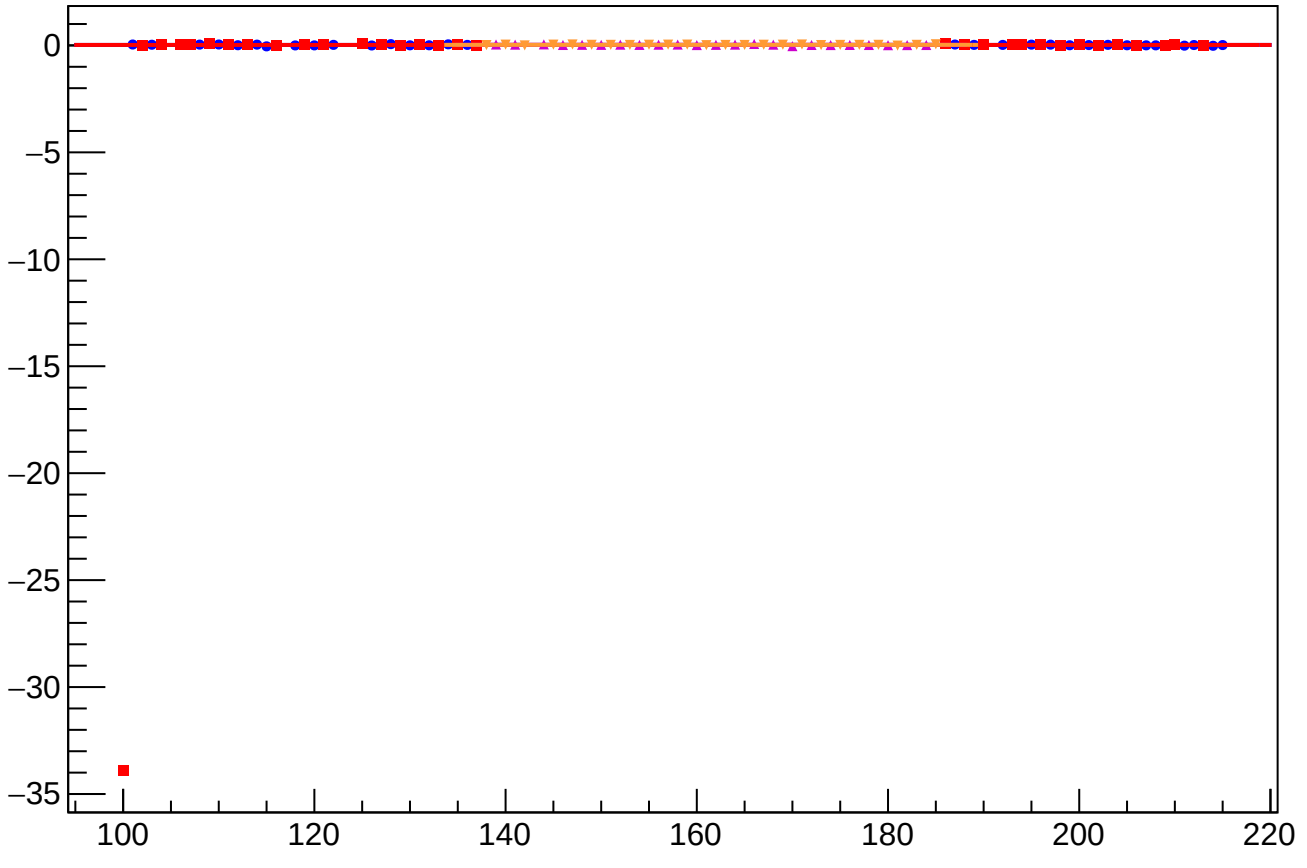
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.144+/-0.046 χ^2/NDF: 161.9/62

In: -0.102+/-0.040 χ^2/NDF:133.2/53

Out: -0.080+/-0.039 χ^2/NDF:119.0/55

All: -0.091+/-0.028 χ^2/NDF: 252.3/109



Right In: 0.021+/-0.003 χ^2/NDF: 30.1/30

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22317.6/31

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

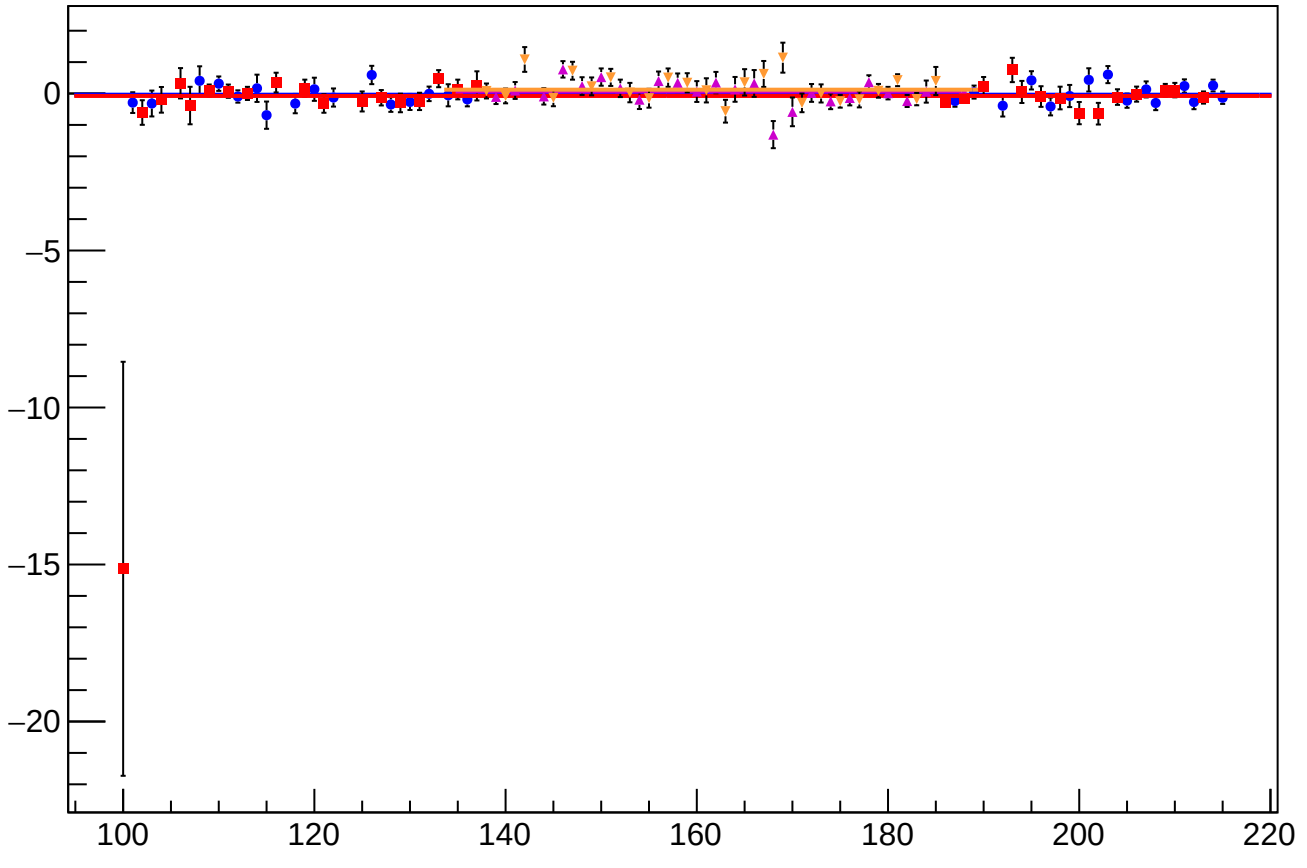
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.022+/-0.002 χ^2/NDF: 22347.7/62

In: 0.025+/-0.002 χ^2/NDF:71.2/53

Out: 0.025+/-0.002 χ^2/NDF:22350.6/55

All: 0.025+/-0.001 χ^2/NDF: 22421.8/109



Right In: -0.037+/-0.047 χ^2/NDF: 37.3/30

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.078+/-0.044 χ^2/NDF: 35.2/31

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

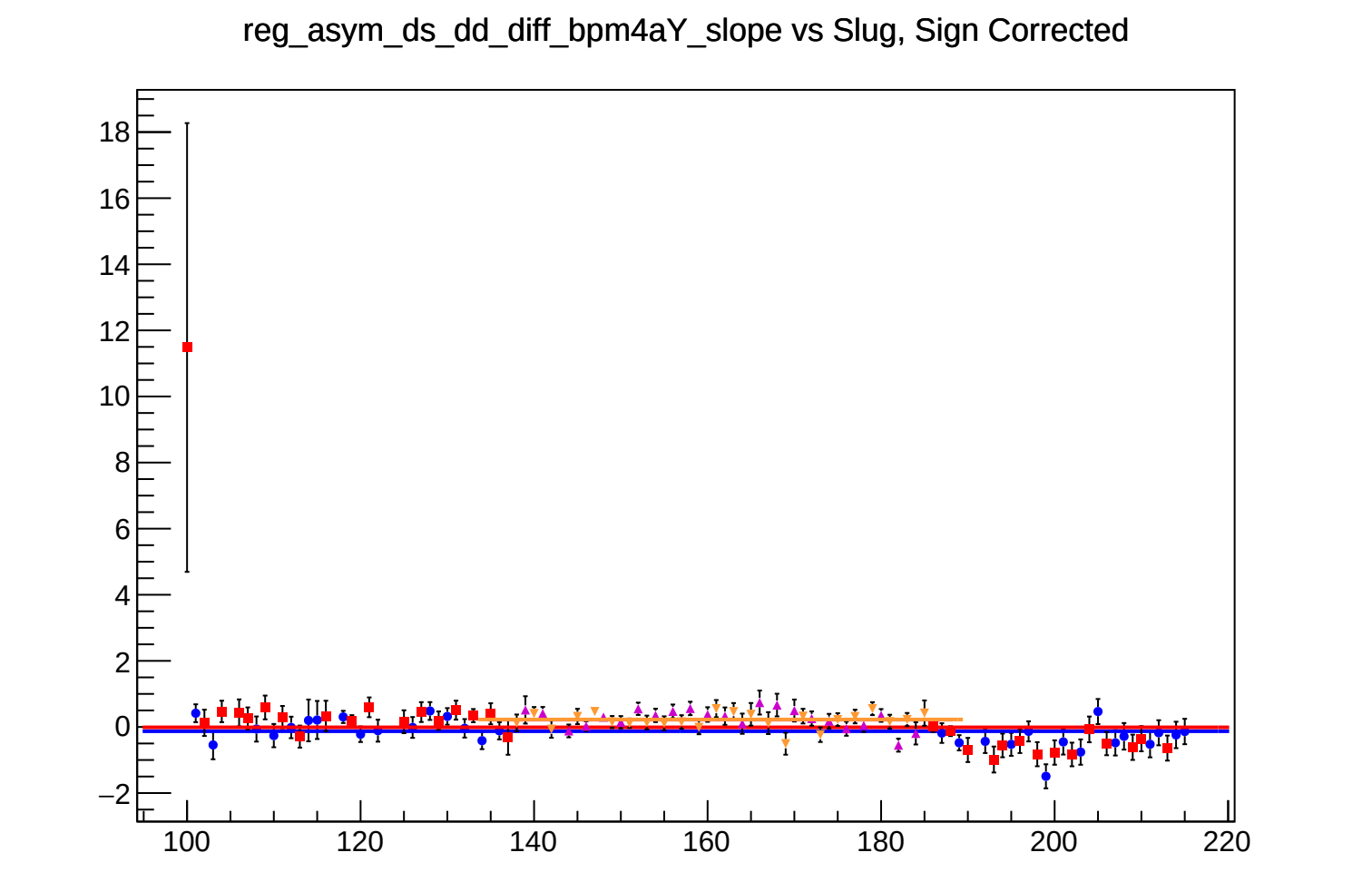
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.059+/-0.032 χ^2/NDF: 72.9/62

In: 0.002+/-0.036 χ^2/NDF:73.4/53

Out: -0.003+/-0.035 χ^2/NDF:82.6/55

All: -0.001+/-0.025 χ^2/NDF: 156.0/109



Right In: -0.130+/-0.057 χ^2/NDF: 47.7/30

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.011+/-0.053 χ^2/NDF: 64.8/31

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

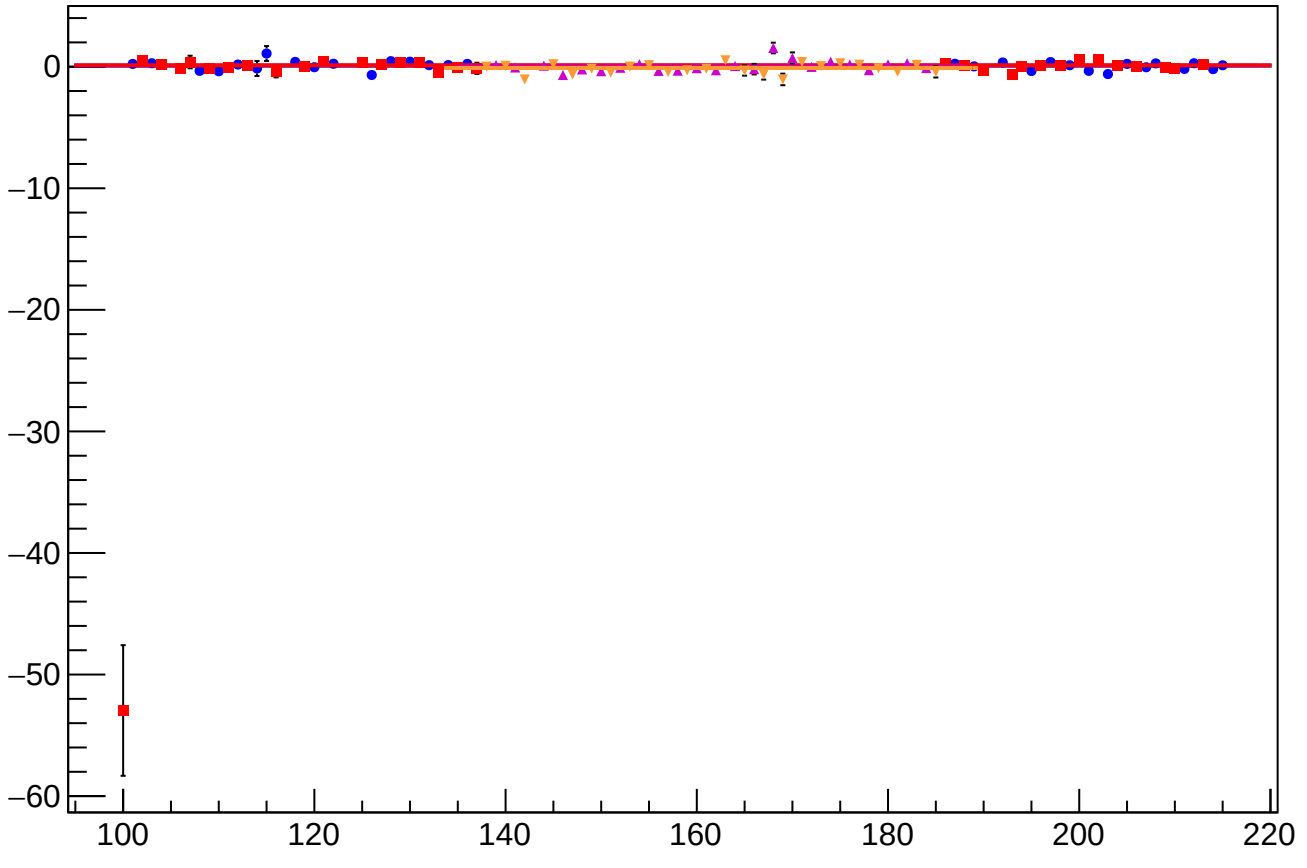
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.066+/-0.039 χ^2/NDF: 114.9/62

In: 0.088+/-0.035 χ^2/NDF:110.9/53

Out: 0.130+/-0.033 χ^2/NDF:100.9/55

All: 0.110+/-0.024 χ^2/NDF: 212.6/109



Right In: 0.089+/-0.047 χ^2/NDF: 36.4/30

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.115+/-0.042 χ^2/NDF: 124.5/31

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

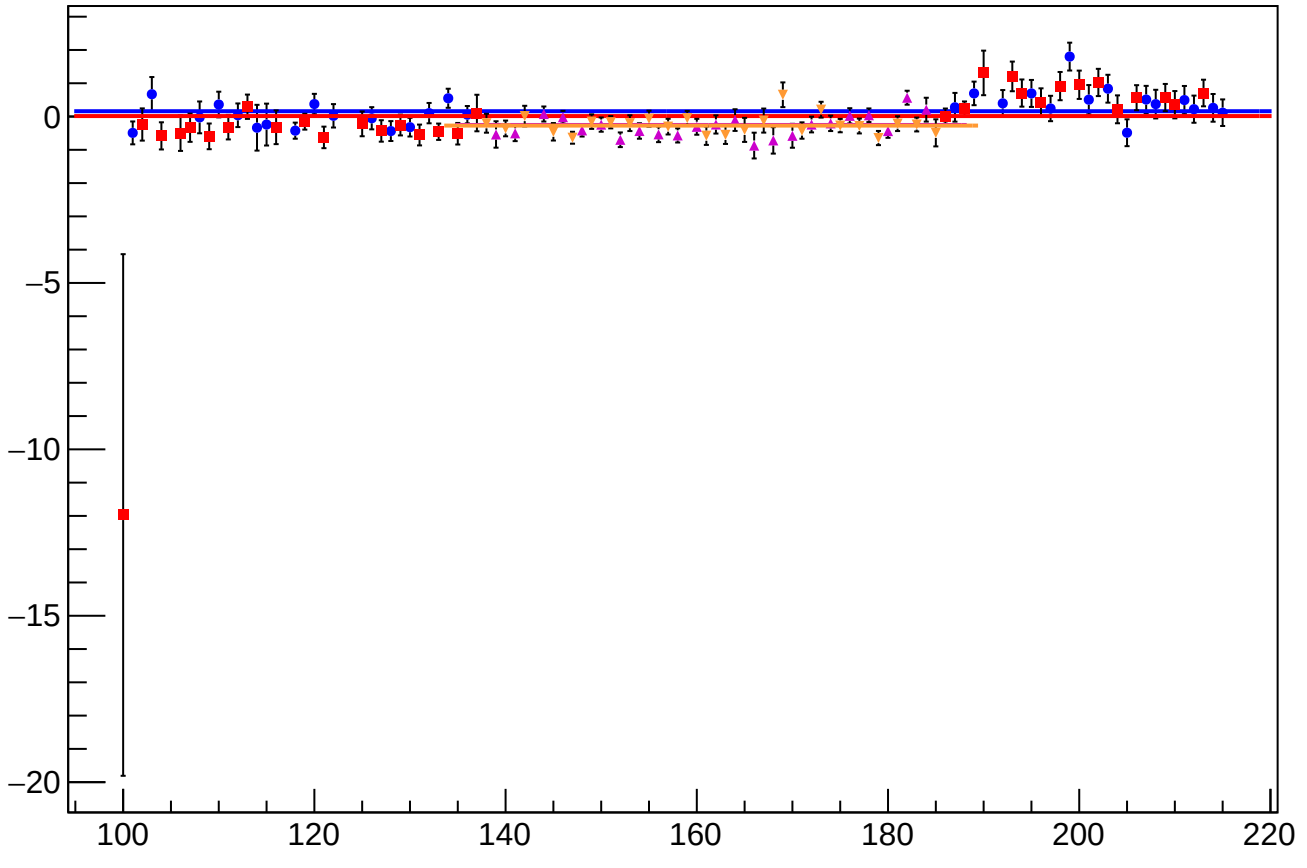
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.103+/-0.031 χ^2/NDF: 161.1/62

In: 0.049+/-0.036 χ^2/NDF:76.1/53

Out: 0.036+/-0.034 χ^2/NDF:171.9/55

All: 0.042+/-0.025 χ^2/NDF: 248.1/109



Right In: 0.160+/-0.066 χ^2/NDF: 49.3/30

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: 0.014+/-0.064 χ^2/NDF: 66.9/31

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

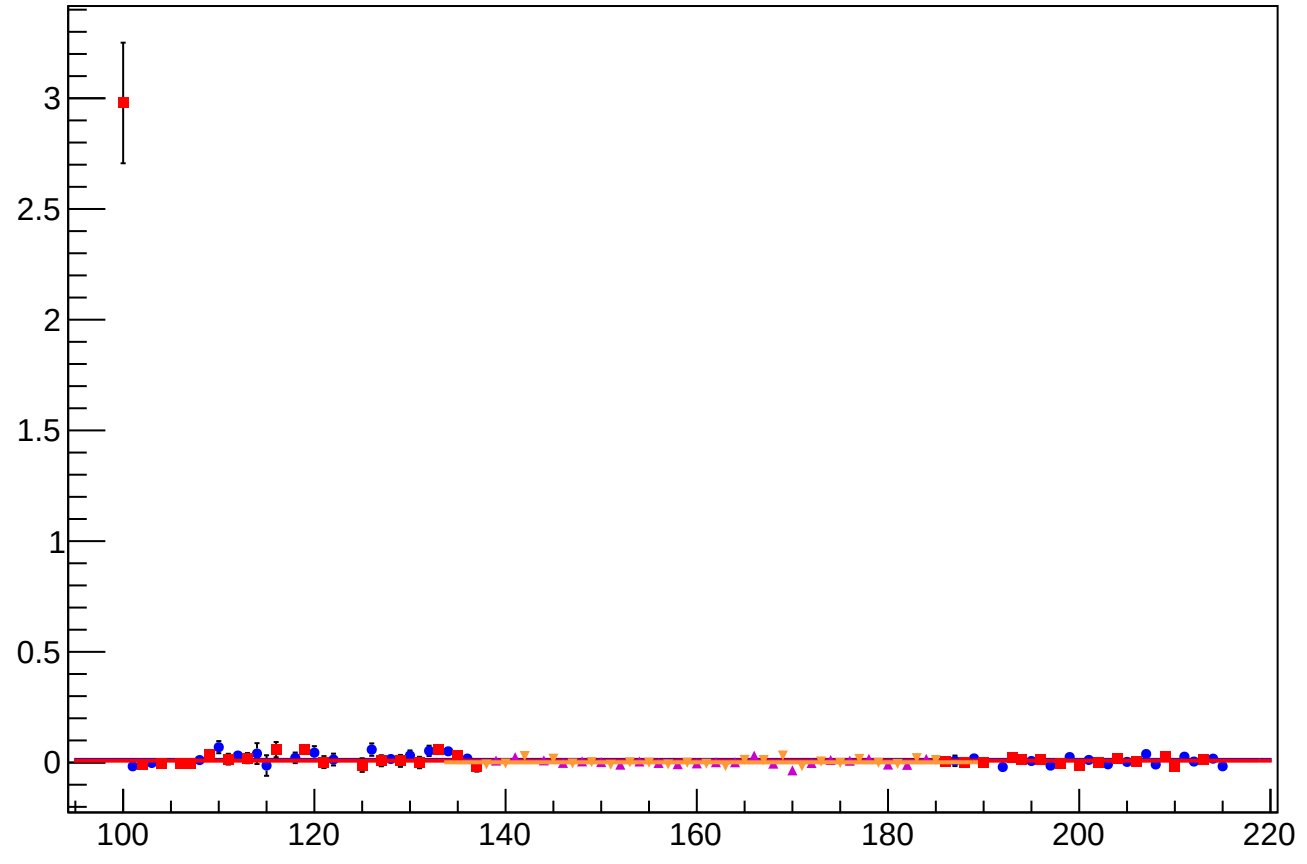
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.085+/-0.046 χ^2/NDF: 118.7/62

In: -0.101+/-0.040 χ^2/NDF:114.9/53

Out: -0.165+/-0.039 χ^2/NDF:104.3/55

All: -0.134+/-0.028 χ^2/NDF: 220.5/109



Right In: 0.012+/-0.003 χ^2/NDF: 47.0/30

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 152.4/31

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

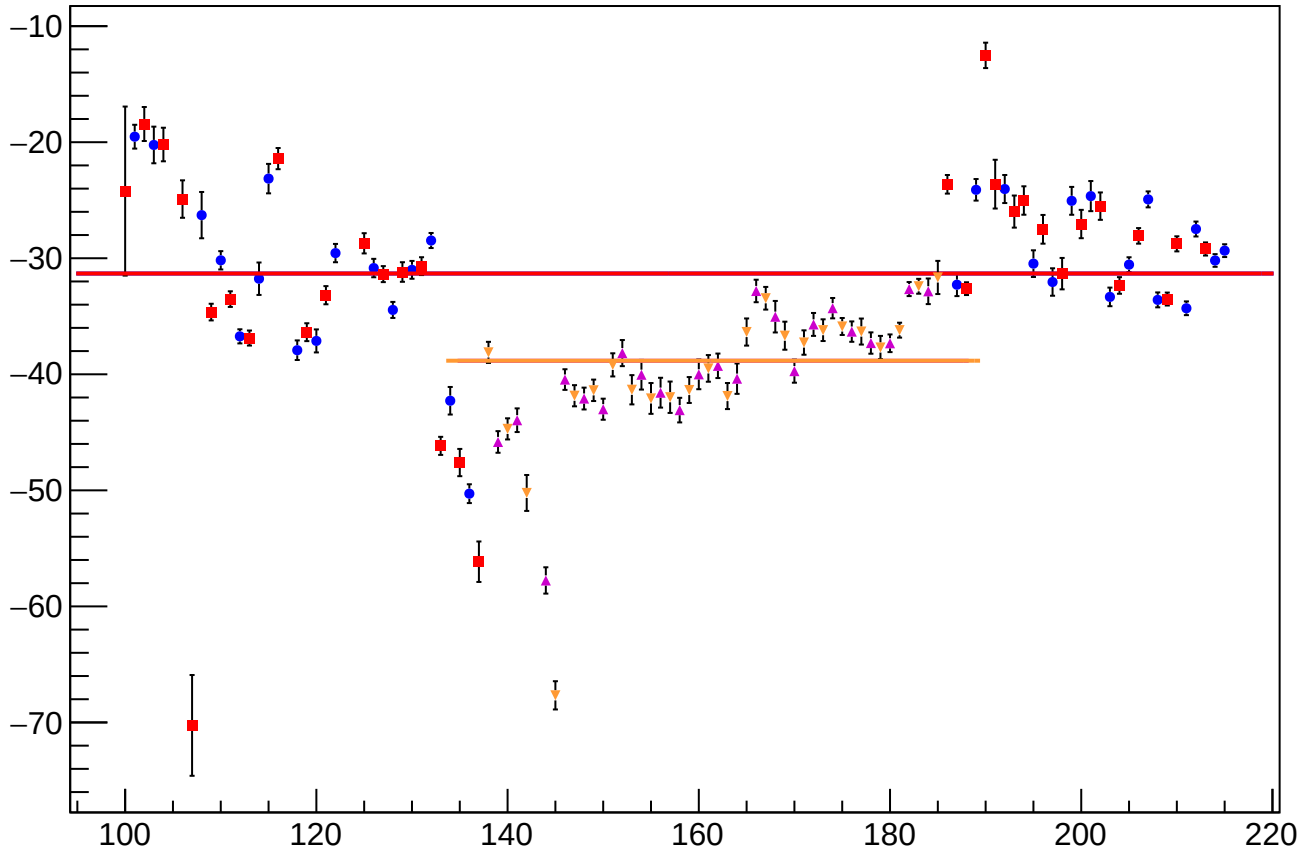
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.010+/-0.002 χ^2/NDF: 200.0/62

In: 0.006+/-0.002 χ^2/NDF:78.3/53

Out: 0.004+/-0.002 χ^2/NDF:183.1/55

All: 0.005+/-0.001 χ^2/NDF: 261.9/109



Right In: -31.317+/-0.146 χ^2/NDF: 1421.2/30

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.315+/-0.150 χ^2/NDF: 1838.1/32

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

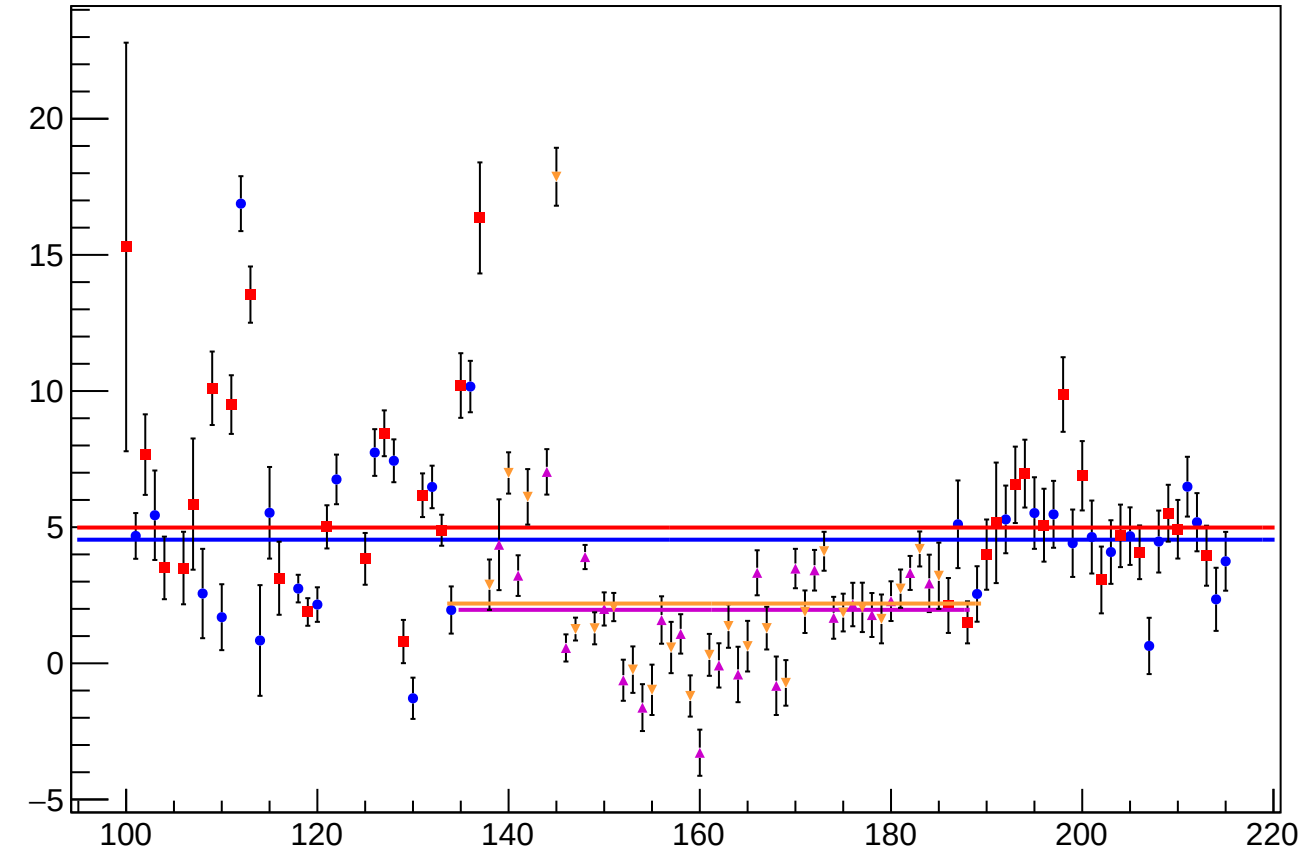
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.316+/-0.105 χ^2/NDF: 3259.4/63

In: -33.865+/-0.118 χ^2/NDF:2978.5/53

Out: -33.992+/-0.121 χ^2/NDF:3645.4/56

All: -33.927+/-0.084 χ^2/NDF: 6624.4/110



Right In: 4.540+/-0.177 χ^2/NDF: 357.9/30

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.987+/-0.178 χ^2/NDF: 299.2/32

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

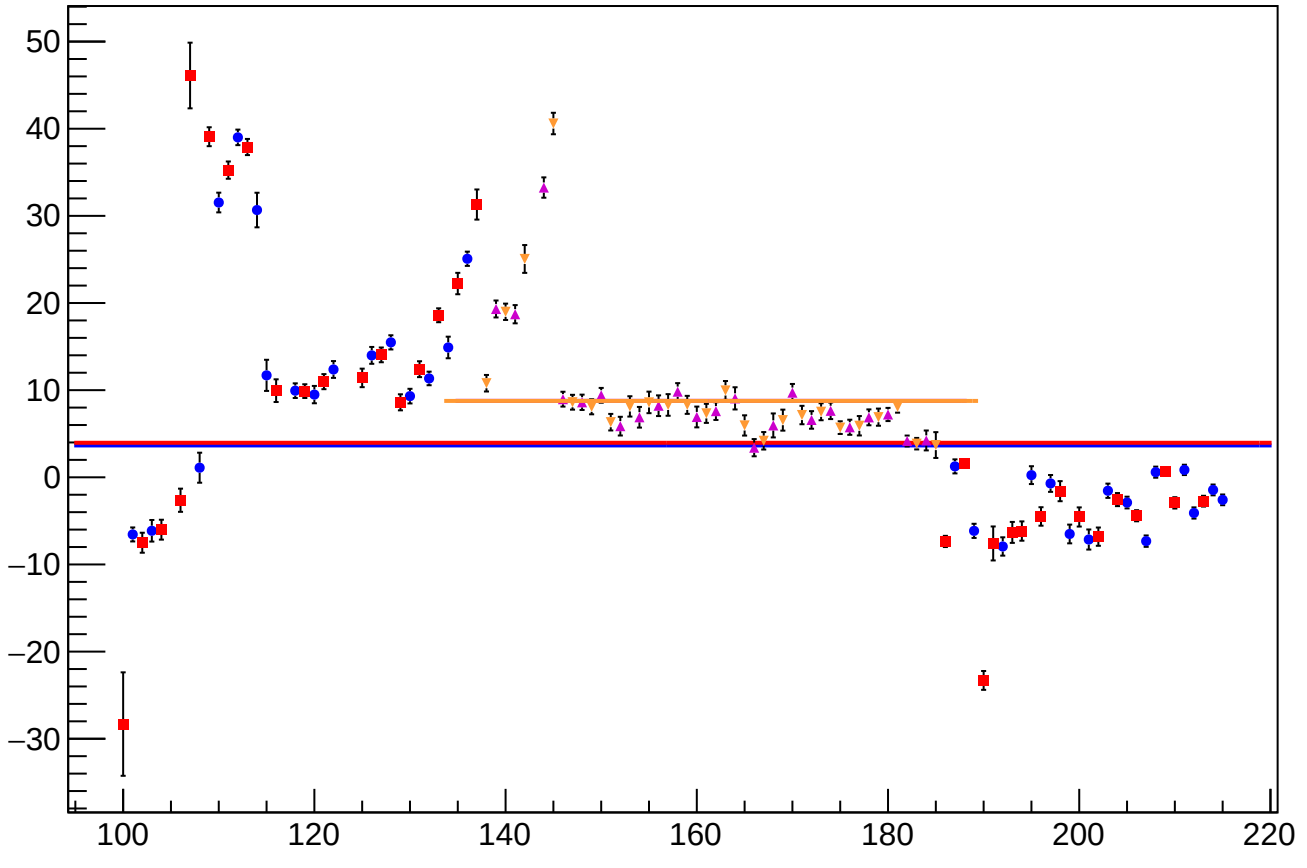
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.762+/-0.126 χ^2/NDF: 660.2/63

In: 3.080+/-0.117 χ^2/NDF:651.2/53

Out: 3.371+/-0.116 χ^2/NDF:806.0/56

All: 3.226+/-0.082 χ^2/NDF: 1460.3/110



Right In: 3.657+/-0.152 χ^2/NDF: 5281.1/30

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 3.962+/-0.155 χ^2/NDF: 6923.5/32

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

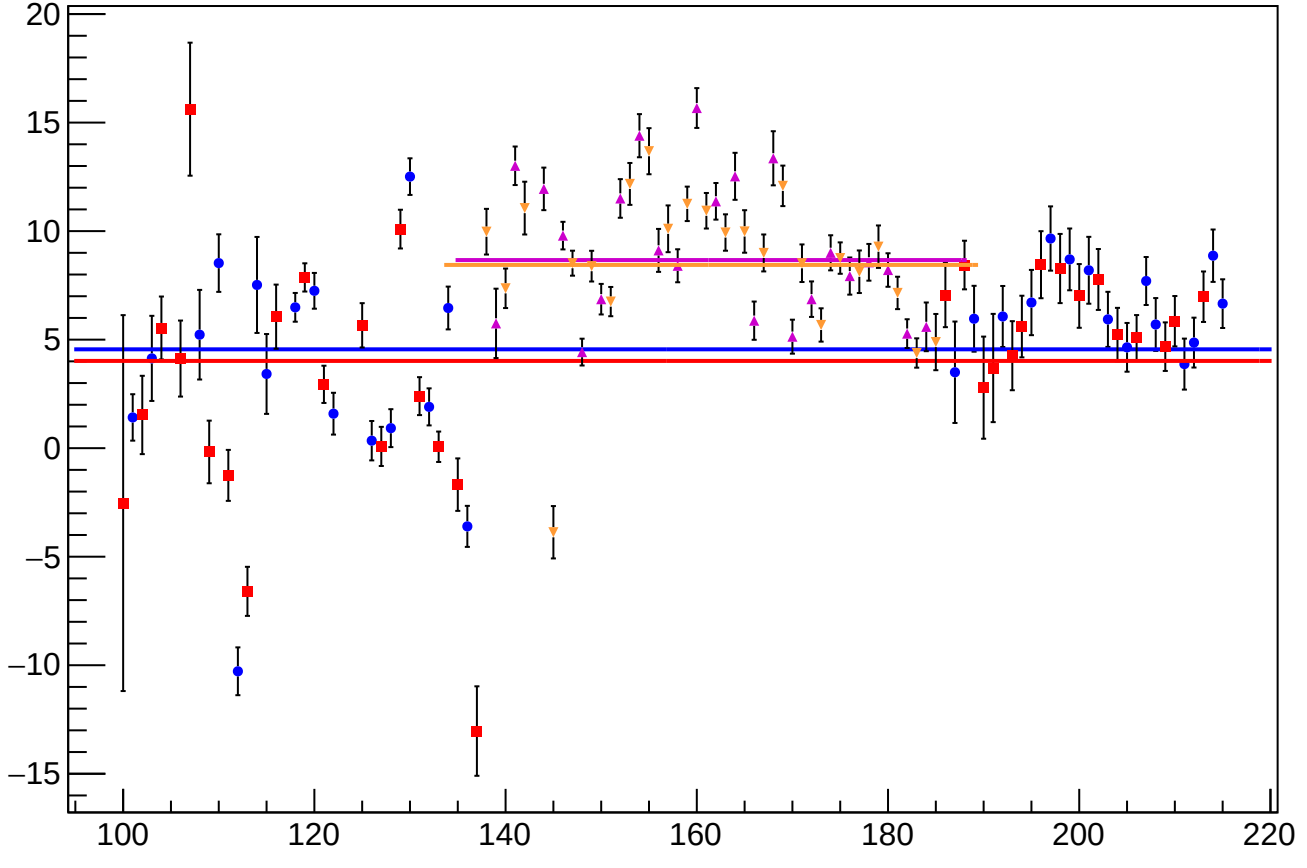
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 3.808+/-0.109 χ^2/NDF: 12206.6/63

In: 5.521+/-0.122 χ^2/NDF:6486.2/53

Out: 5.755+/-0.122 χ^2/NDF:8318.7/56

All: 5.637+/-0.086 χ^2/NDF: 14806.7/110



Right In: 4.554+/-0.203 χ^2/NDF: 502.7/30

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 4.020+/-0.207 χ^2/NDF: 426.4/32

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

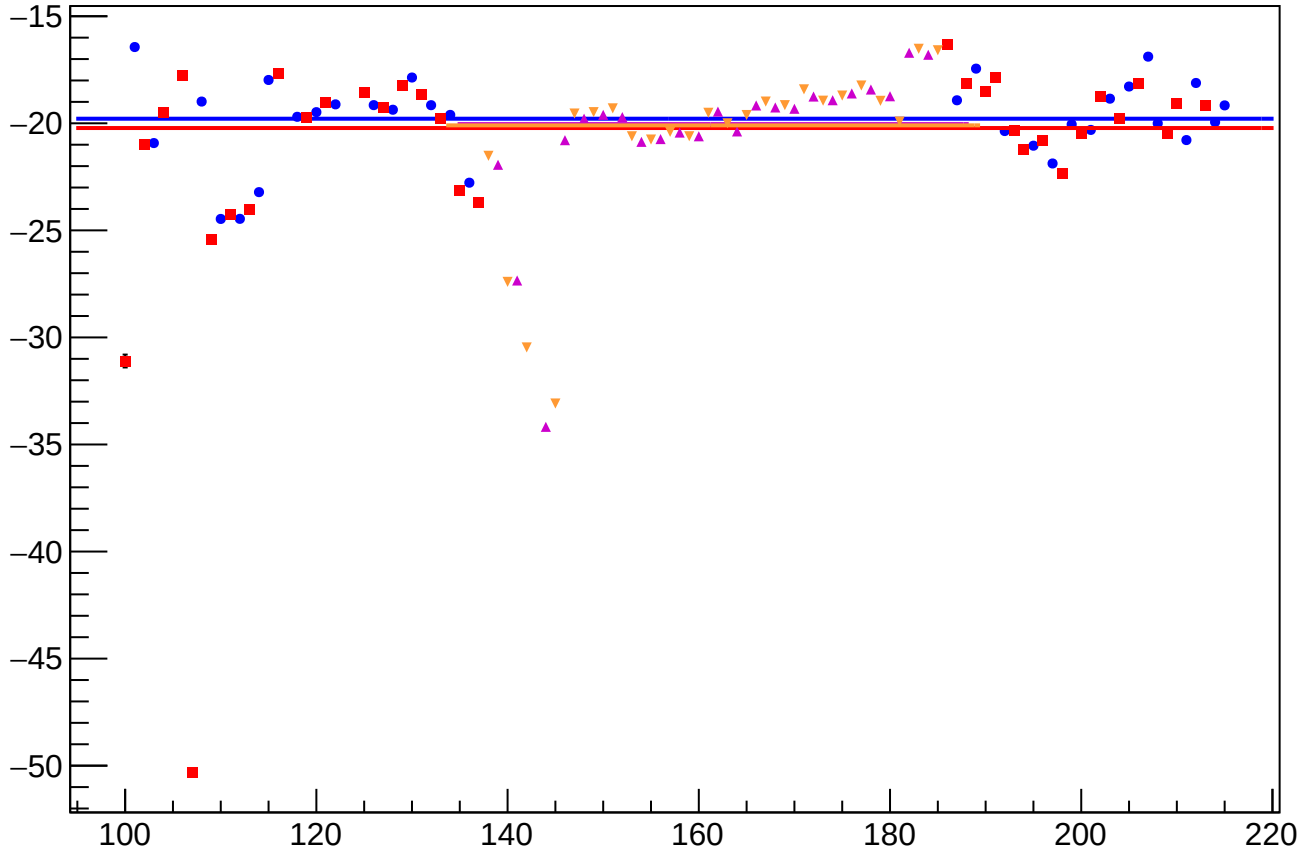
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.293+/-0.145 χ^2/NDF: 932.5/63

In: 6.902+/-0.133 χ^2/NDF:1042.6/53

Out: 6.622+/-0.133 χ^2/NDF:957.9/56

All: 6.762+/-0.094 χ^2/NDF: 2002.8/110



Right In: -19.786+/-0.010 χ^2/NDF: 32499.5/30

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.221+/-0.010 χ^2/NDF: 72376.3/32

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

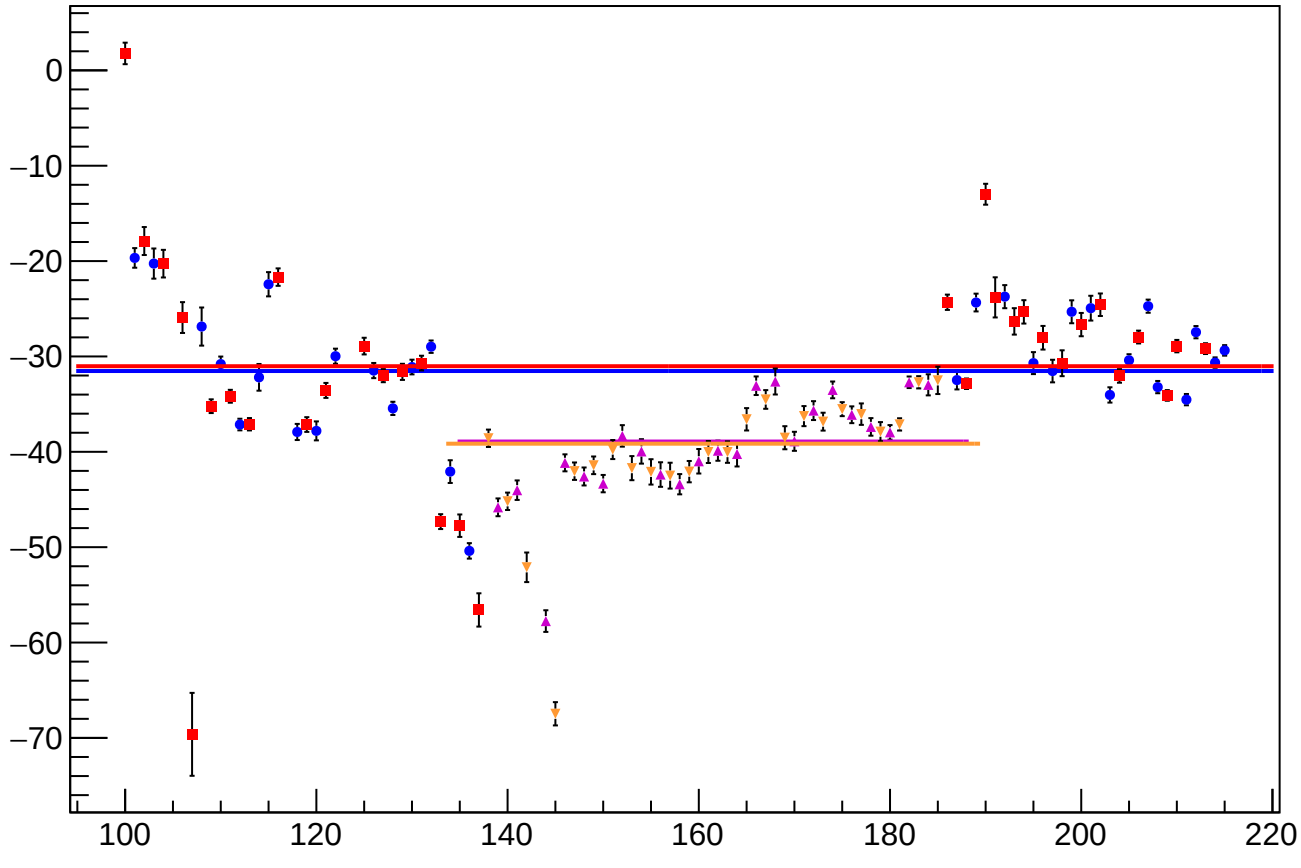
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

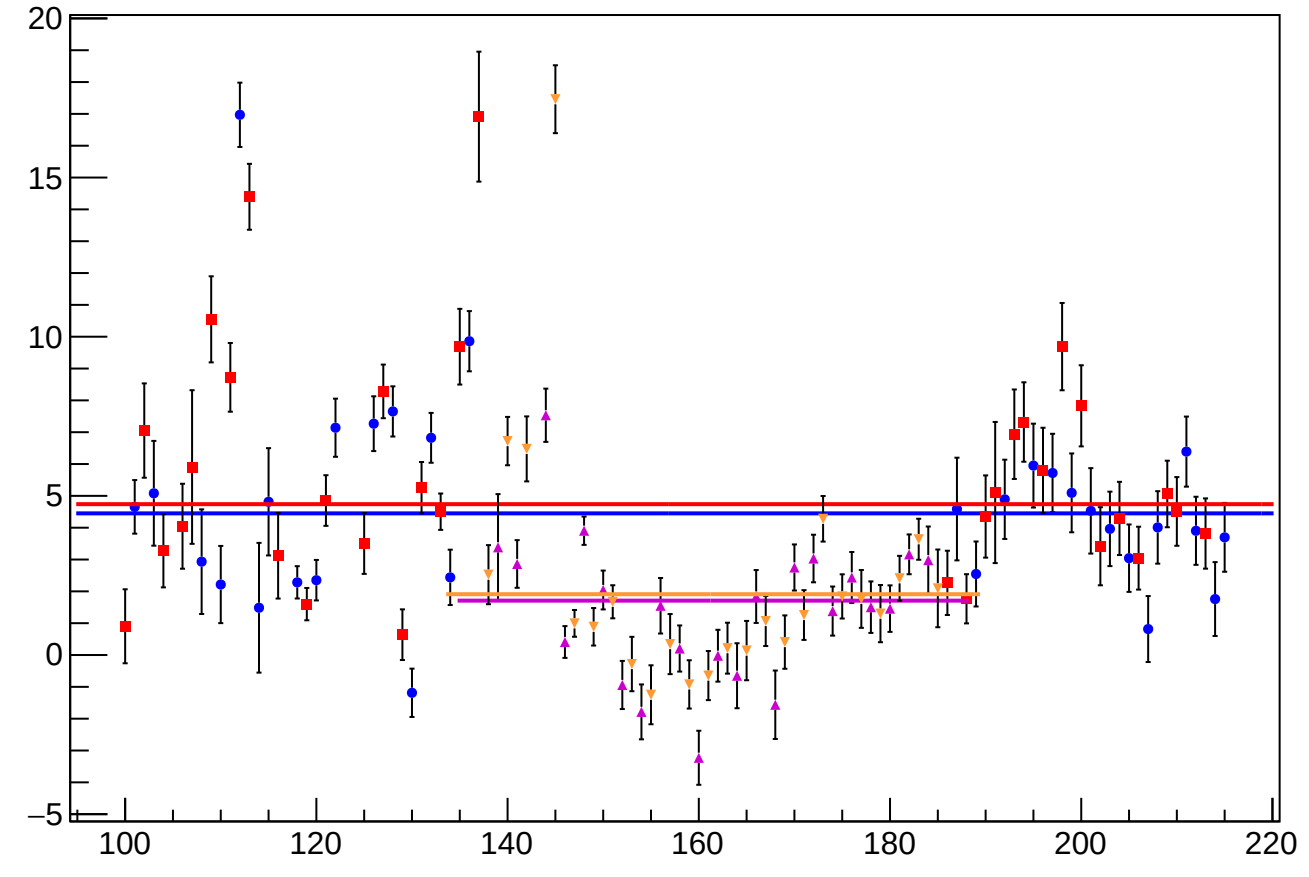
Right: -20.001+/-0.007 χ^2/NDF: 105794.1/63

In: -19.942+/-0.006 χ^2/NDF:165176.2/53

Out: -20.143+/-0.006 χ^2/NDF:231763.2/56

All: -20.042+/-0.004 χ^2/NDF: 397457.8/110


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
200
220
Right In: -31.528+/-0.146 χ²/NDF: 1447.9/30
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.024+/-0.149 χ²/NDF: 2770.2/32
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -31.282+/-0.104 χ²/NDF: 4223.9/63
In: -34.033+/-0.119 χ²/NDF:3002.6/53
Out: -33.886+/-0.120 χ²/NDF:4712.2/56
All: -33.960+/-0.084 χ²/NDF: 7715.5/110



Right In: 4.450+/-0.177 χ^2/NDF: 357.4/30

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.739+/-0.177 χ^2/NDF: 325.8/32

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

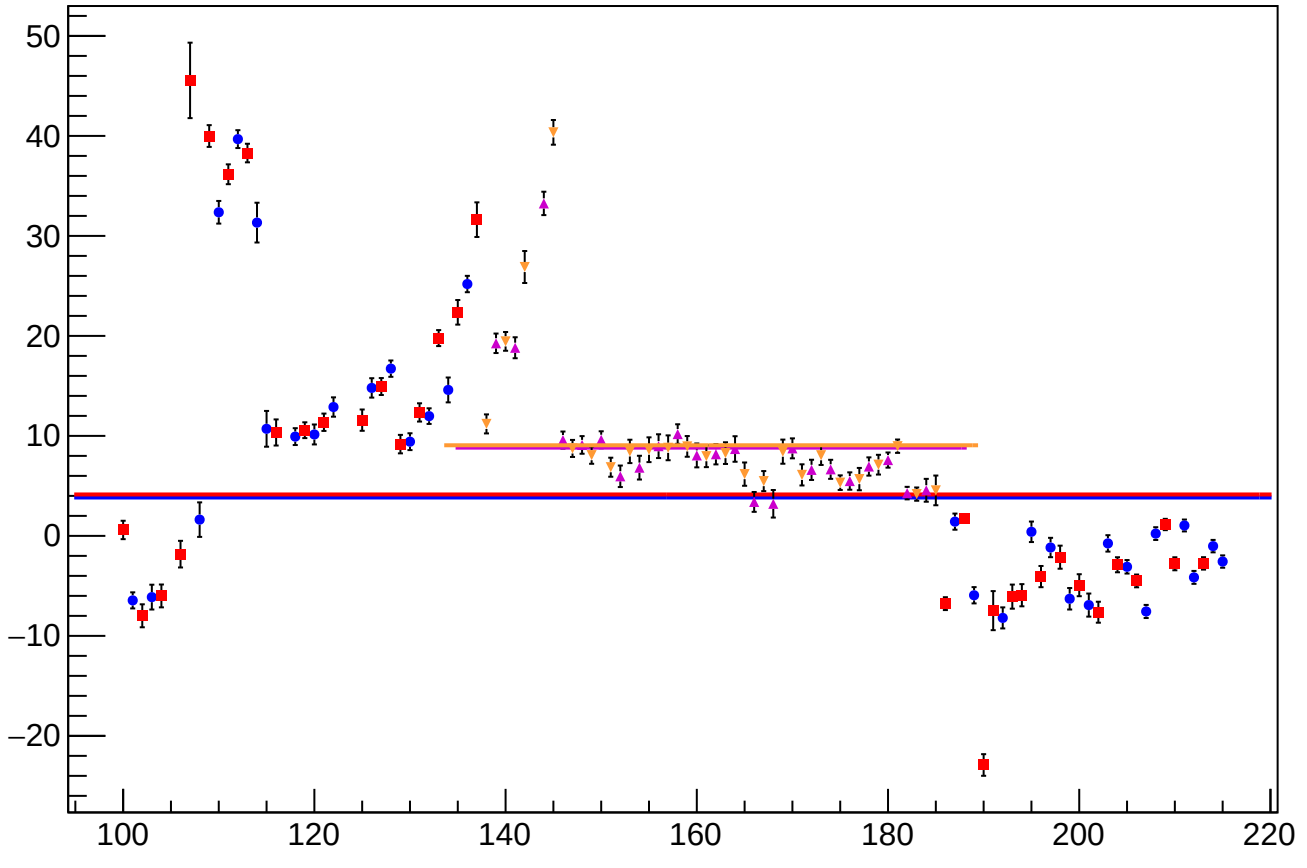
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.595+/-0.125 χ^2/NDF: 684.6/63

In: 2.896+/-0.117 χ^2/NDF:675.5/53

Out: 3.118+/-0.115 χ^2/NDF:832.1/56

All: 3.008+/-0.082 χ^2/NDF: 1509.3/110



Right In: 3.839+/-0.153 χ^2/NDF: 5454.0/30

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 4.142+/-0.153 χ^2/NDF: 7105.2/32

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

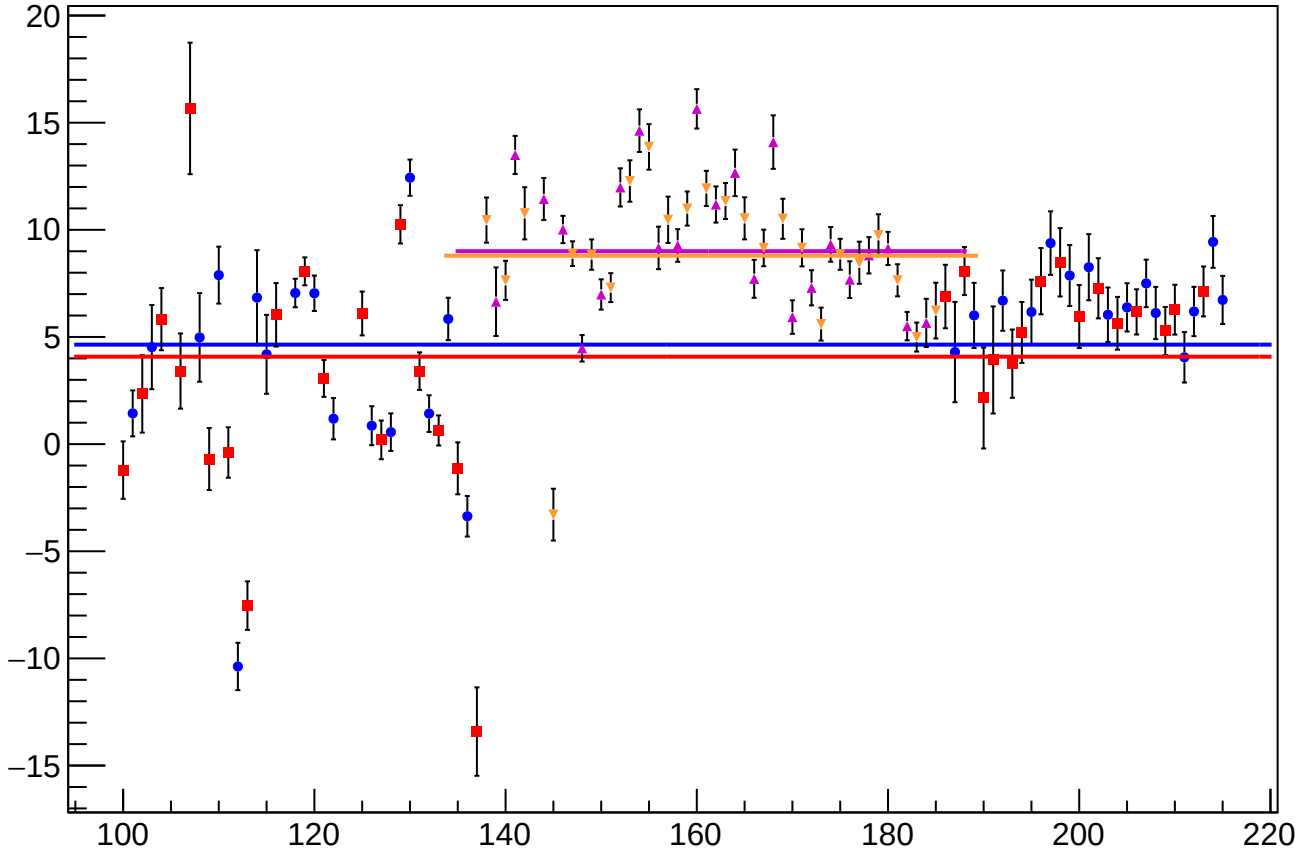
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 3.990+/-0.108 χ^2/NDF: 12561.2/63

In: 5.655+/-0.122 χ^2/NDF:6643.6/53

Out: 5.945+/-0.122 χ^2/NDF:8518.6/56

All: 5.800+/-0.086 χ^2/NDF: 15165.0/110



Right In: 4.643+/-0.203 χ^2/NDF: 504.4/30

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.080+/-0.206 χ^2/NDF: 442.7/32

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

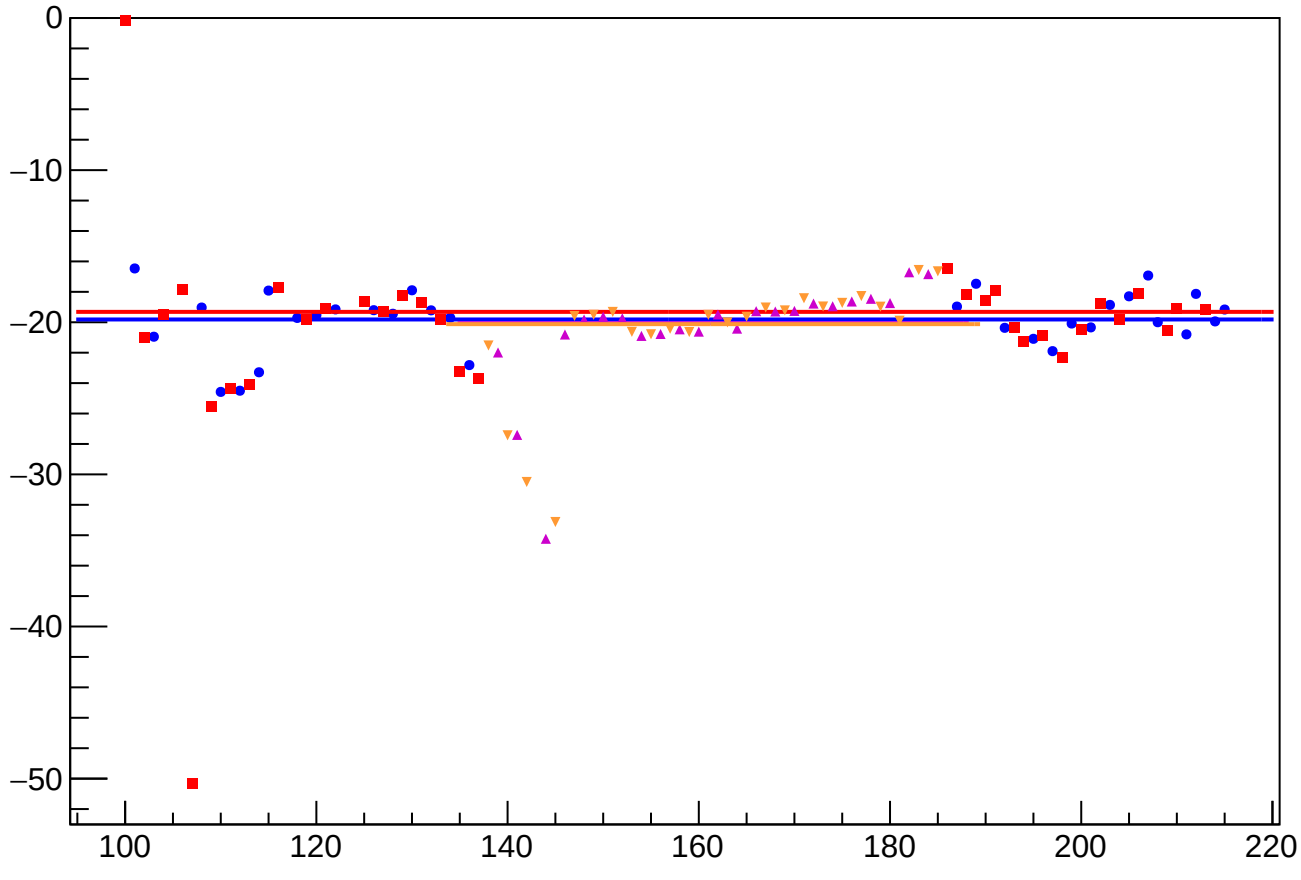
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.365+/-0.144 χ^2/NDF: 951.0/63

In: 7.133+/-0.133 χ^2/NDF:1057.5/53

Out: 6.827+/-0.133 χ^2/NDF:993.3/56

All: 6.980+/-0.094 χ^2/NDF: 2053.4/110



Right In: -19.817+/-0.010 χ^2/NDF: 32524.9/30

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.317+/-0.010 χ^2/NDF: 248098.7/32

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

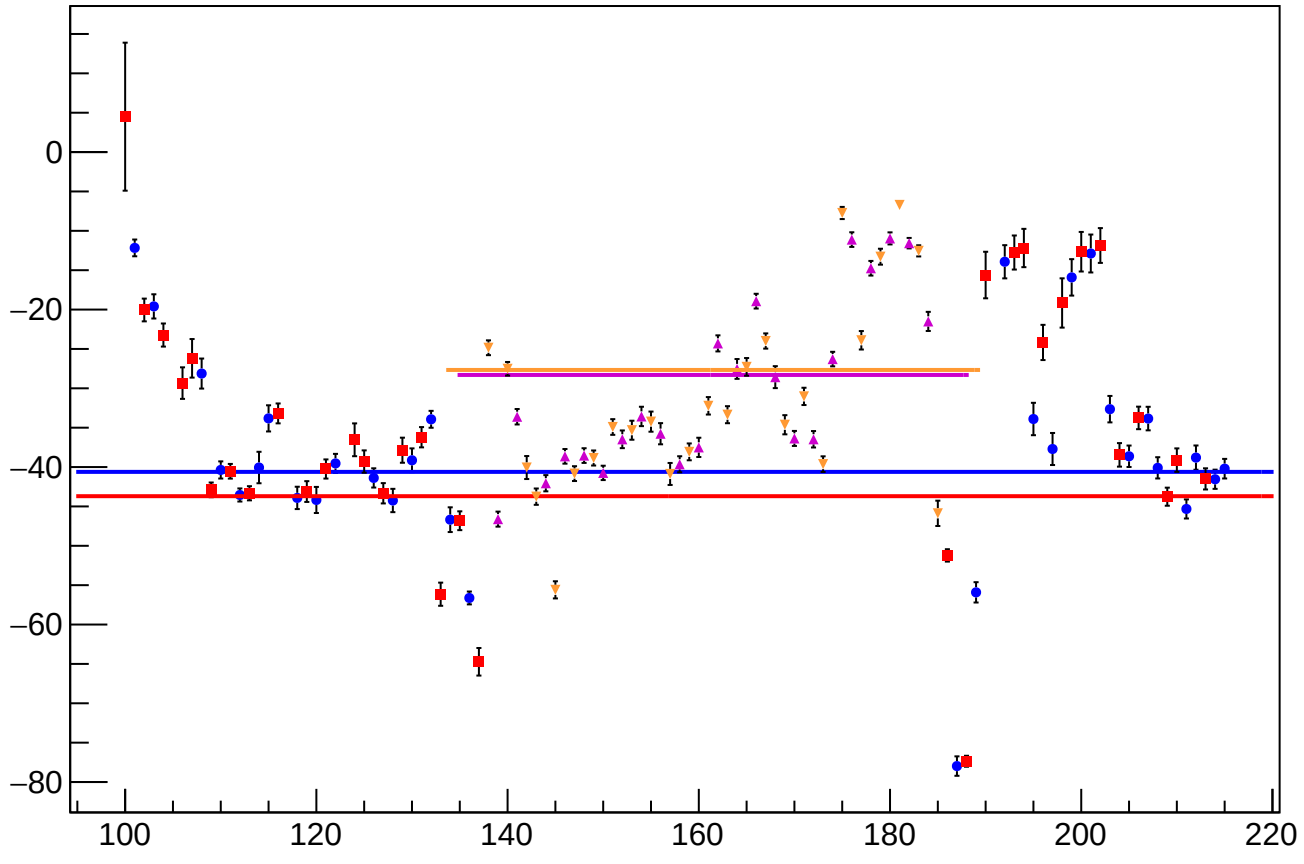
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.564+/-0.007 χ^2/NDF: 281856.9/63

In: -19.970+/-0.006 χ^2/NDF:165582.9/53

Out: -19.812+/-0.006 χ^2/NDF:410668.8/56

All: -19.890+/-0.004 χ^2/NDF: 576574.1/110



Right In: -40.612+/-0.243 χ^2/NDF: 2967.8/30

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.699+/-0.235 χ^2/NDF: 4438.1/32

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

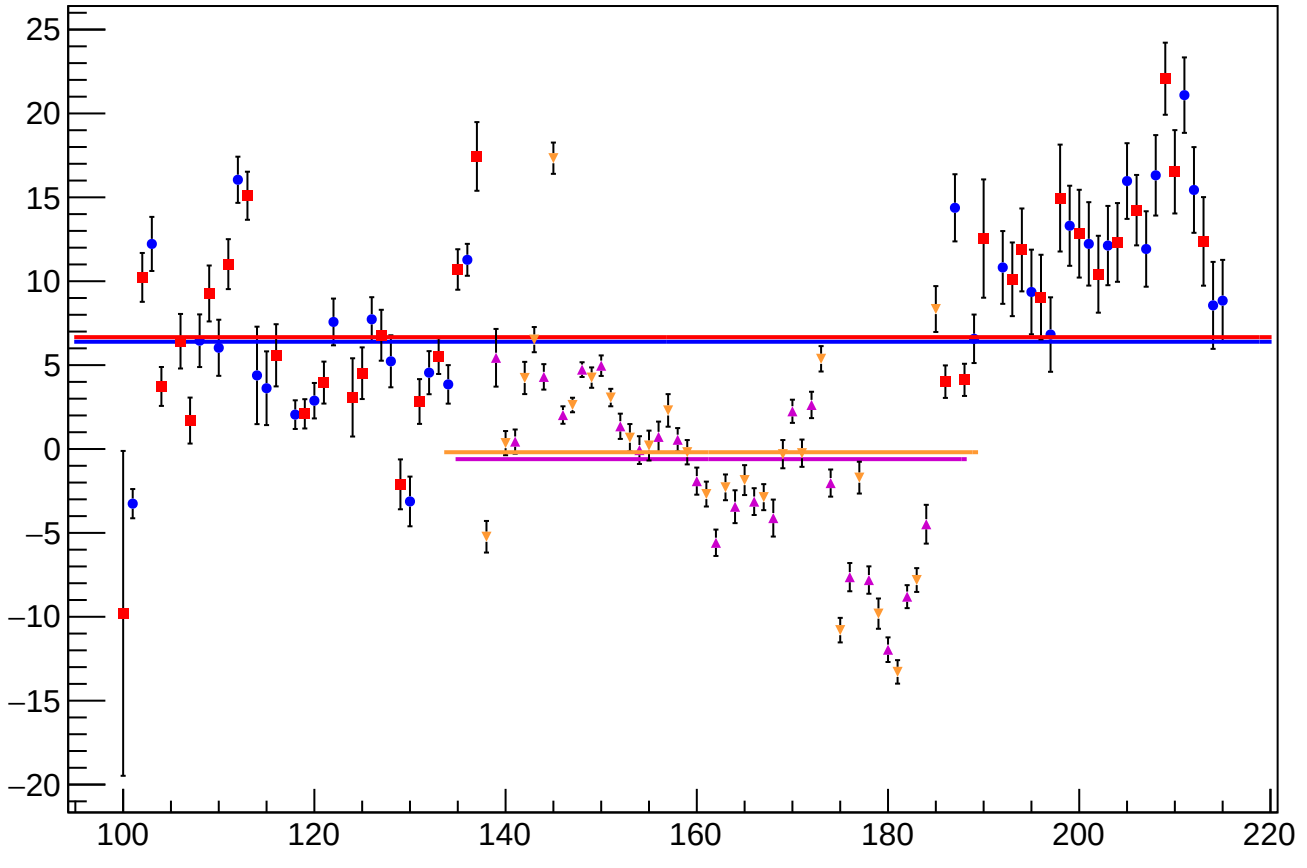
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.207+/-0.169 χ^2/NDF: 7489.5/63

In: -33.453+/-0.157 χ^2/NDF:7738.7/53

Out: -34.429+/-0.152 χ^2/NDF:11532.4/57

All: -33.955+/-0.109 χ^2/NDF: 19291.0/111



Right In: 6.393+/-0.277 χ^2/NDF: 440.4/30

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.667+/-0.271 χ^2/NDF: 324.6/32

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

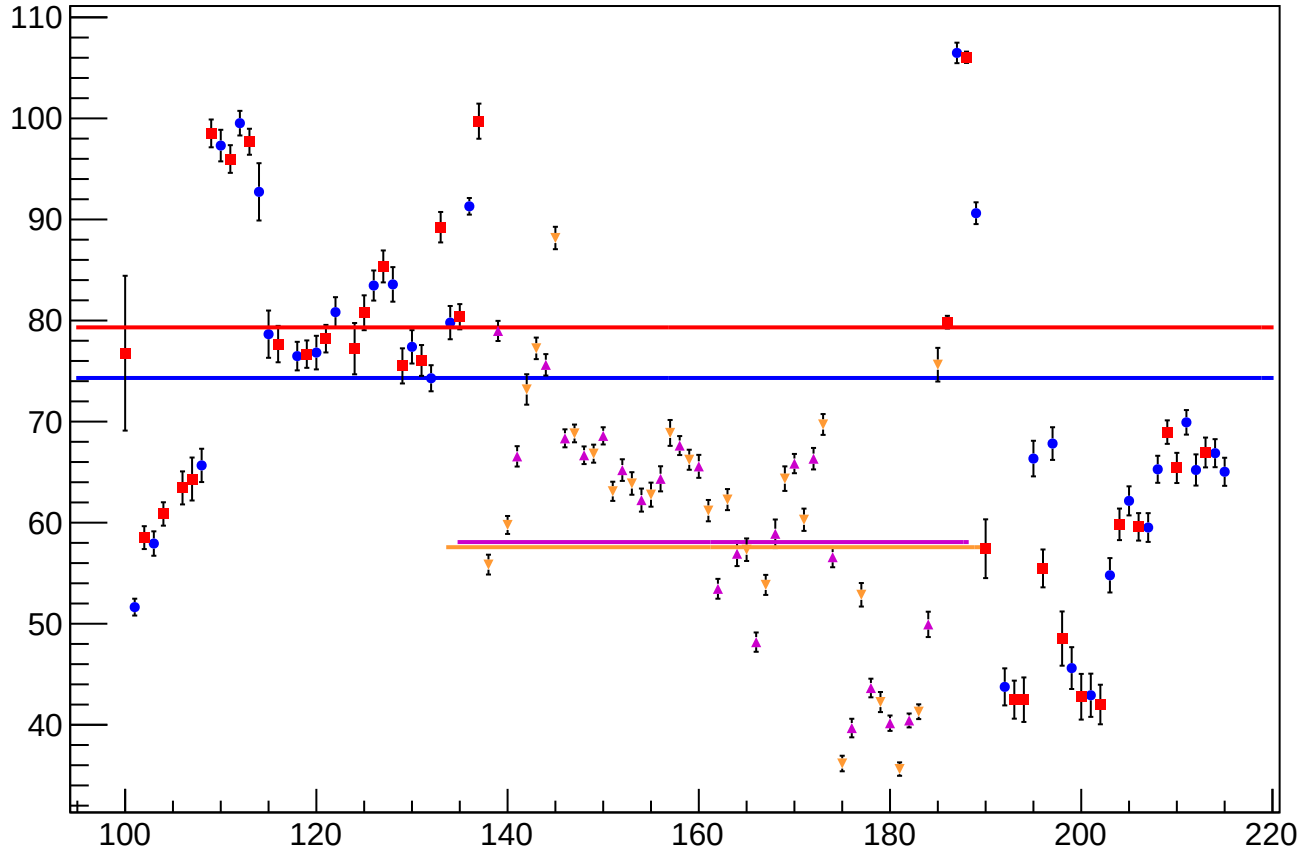
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.533+/-0.193 χ^2/NDF: 765.6/63

In: 1.070+/-0.135 χ^2/NDF:1901.9/53

Out: 1.422+/-0.131 χ^2/NDF:2361.4/57

All: 1.252+/-0.094 χ^2/NDF: 4266.8/111



Right In: 74.317+/-0.249 χ^2/NDF: 4610.5/30

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 79.323+/-0.235 χ^2/NDF: 6027.7/32

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

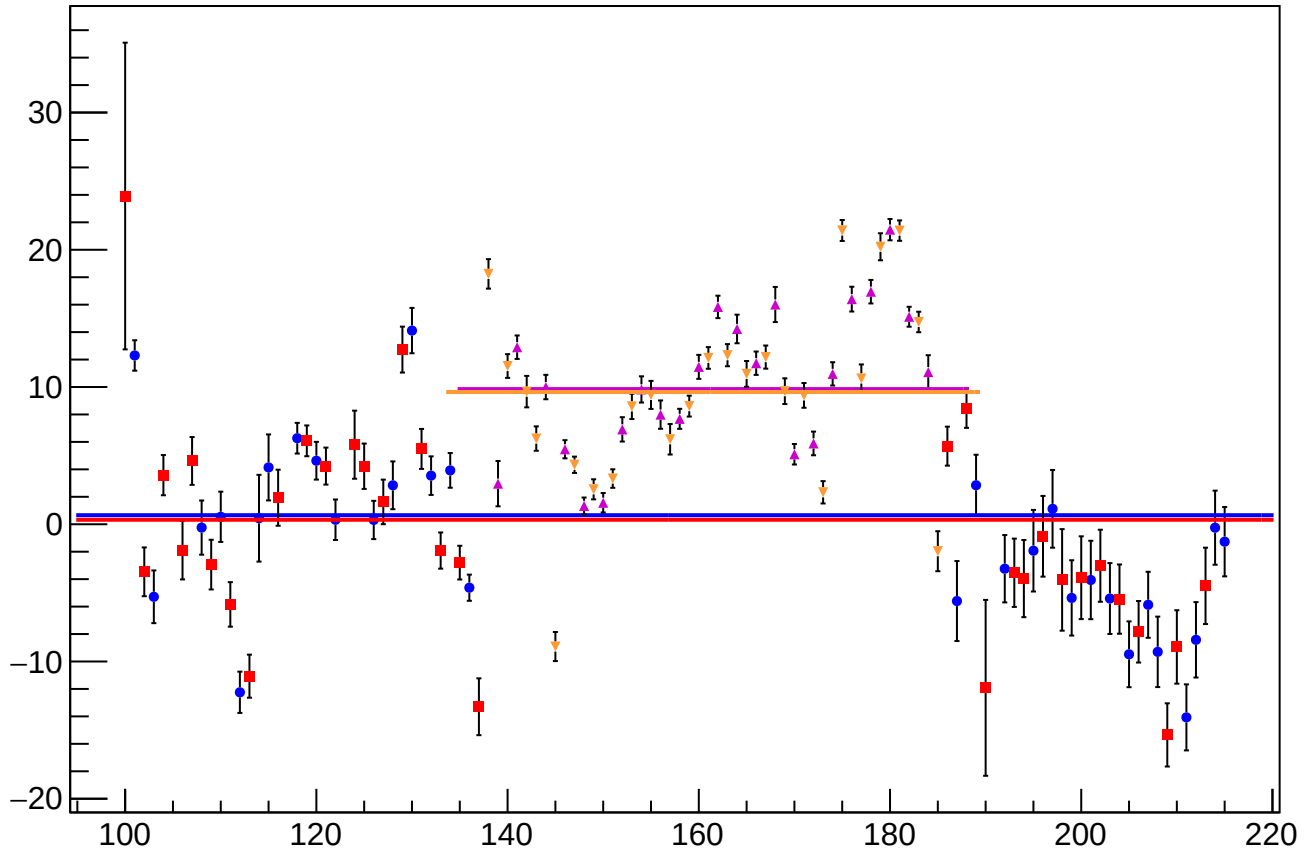
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 76.964+/-0.171 χ^2/NDF: 10851.7/63

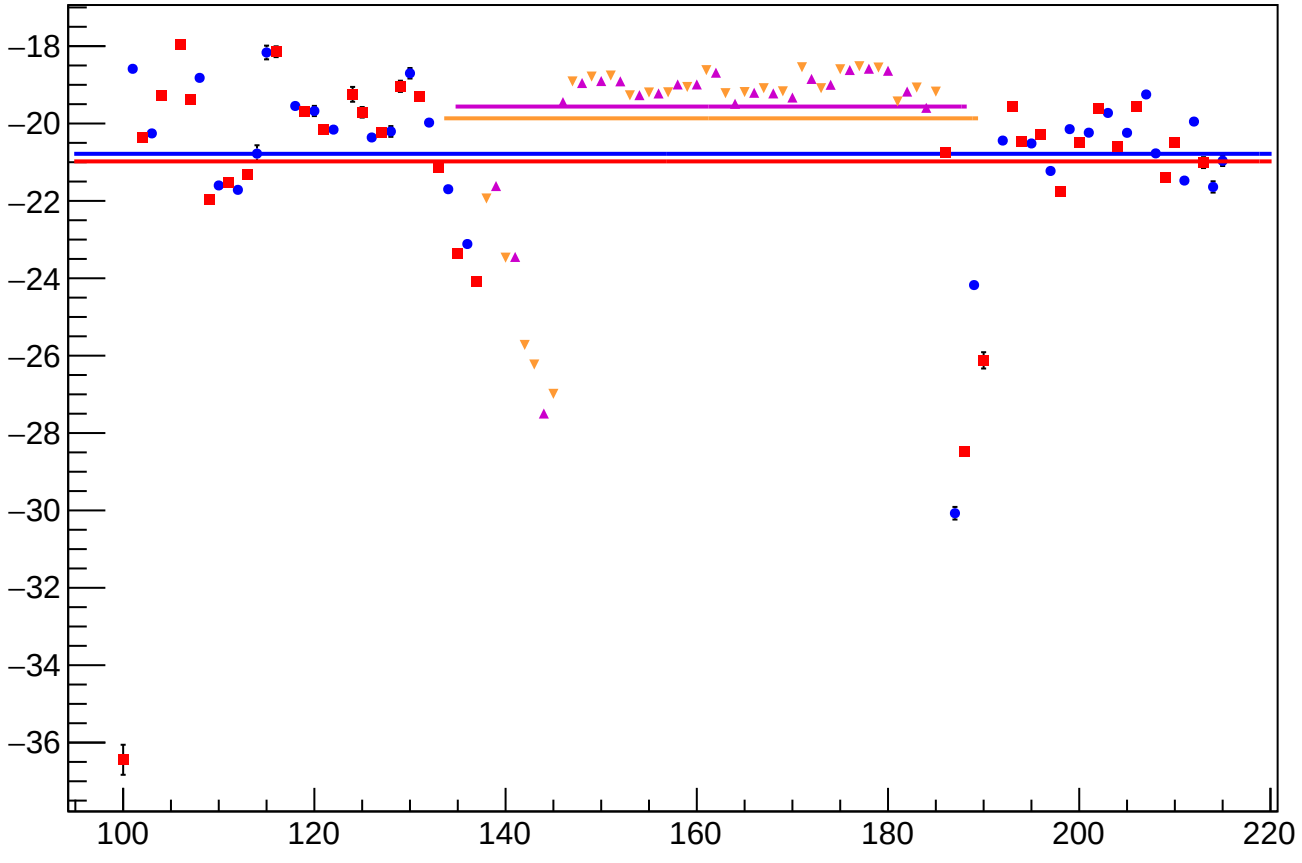
In: 64.577+/-0.158 χ^2/NDF:10717.4/53

Out: 66.650+/-0.152 χ^2/NDF:15699.8/57

All: 65.652+/-0.109 χ^2/NDF: 26506.9/111


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: 0.660+/-0.319 χ²/NDF: 450.1/30
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 0.326+/-0.320 χ²/NDF: 397.6/32
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 0.494+/-0.226 χ²/NDF: 848.3/63
In: 7.701+/-0.154 χ²/NDF:2078.1/53
Out: 7.560+/-0.151 χ²/NDF:2546.9/57
All: 7.629+/-0.108 χ²/NDF: 4625.5/111

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.783+/-0.016 χ^2/NDF: 12654.3/30

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.979+/-0.016 χ^2/NDF: 20701.5/32

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

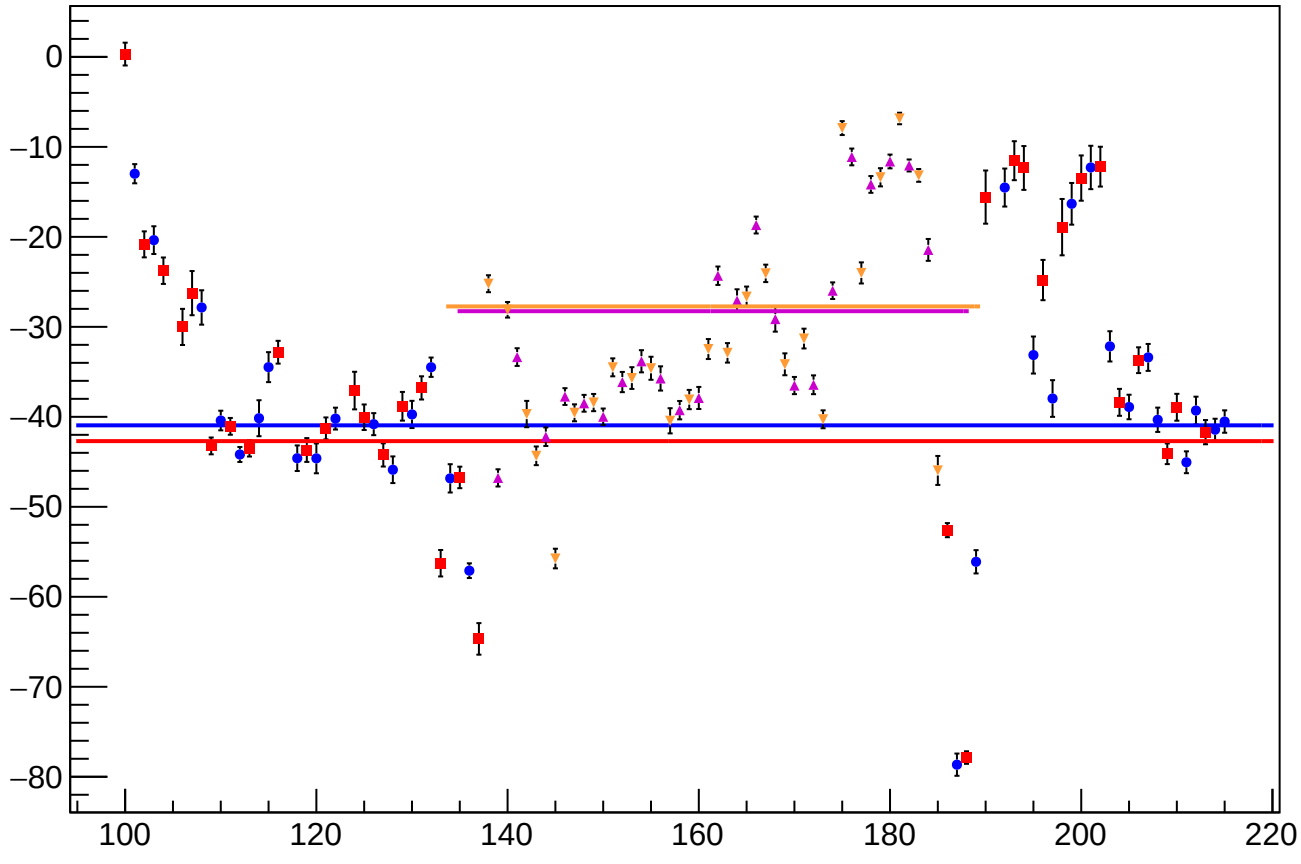
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.879+/-0.011 χ^2/NDF: 33433.7/63

In: -19.815+/-0.007 χ^2/NDF:62711.7/53

Out: -20.086+/-0.007 χ^2/NDF:103561.2/57

All: -19.951+/-0.005 χ^2/NDF: 167012.5/111



Right In: -40.946+/-0.243 χ^2/NDF: 2971.9/30

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.699+/-0.231 χ^2/NDF: 5645.6/32

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

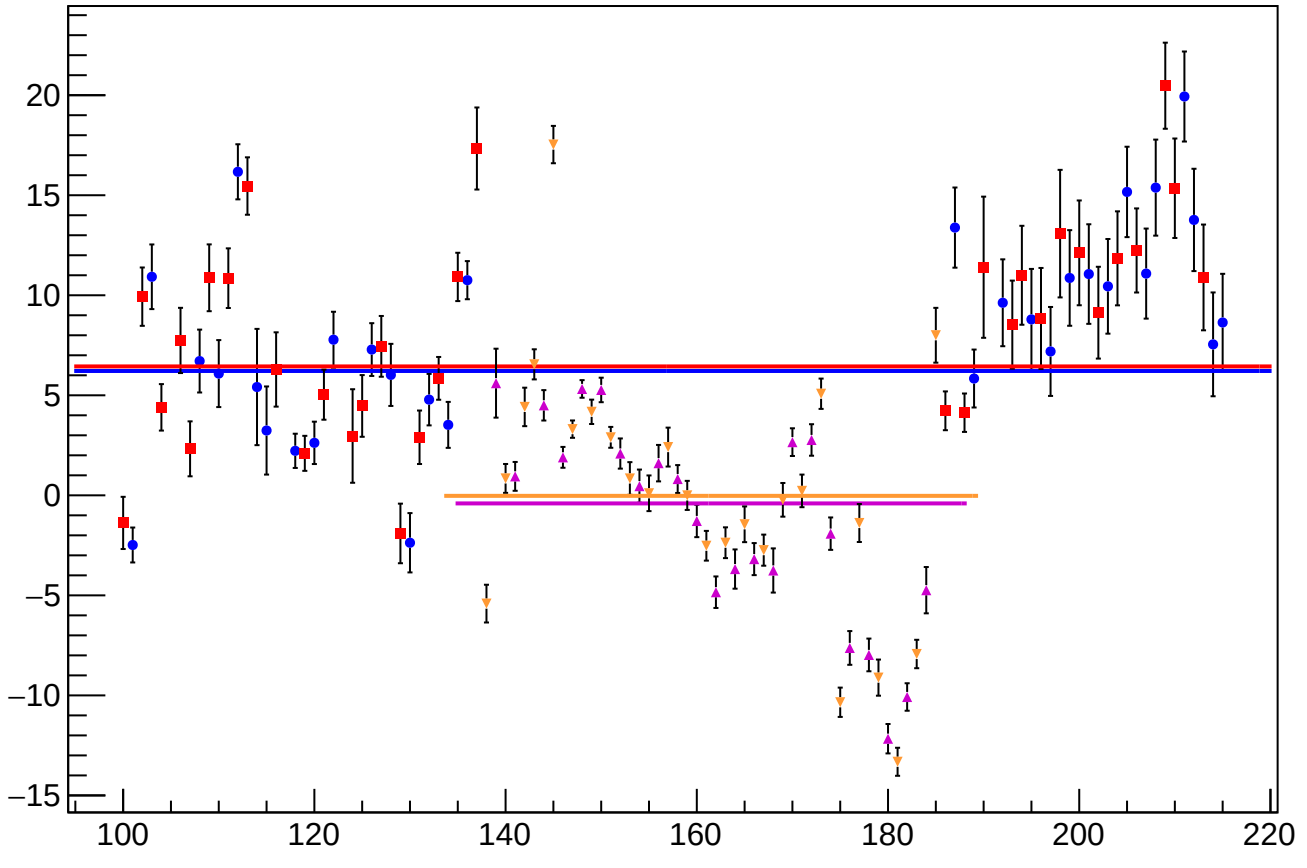
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.866+/-0.167 χ^2/NDF: 8644.8/63

In: -33.572+/-0.157 χ^2/NDF:7729.8/53

Out: -34.165+/-0.152 χ^2/NDF:12335.6/57

All: -33.879+/-0.109 χ^2/NDF: 20072.8/111



Right In: 6.216+/-0.277 χ^2/NDF: 369.7/30

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.443+/-0.265 χ^2/NDF: 320.3/32

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

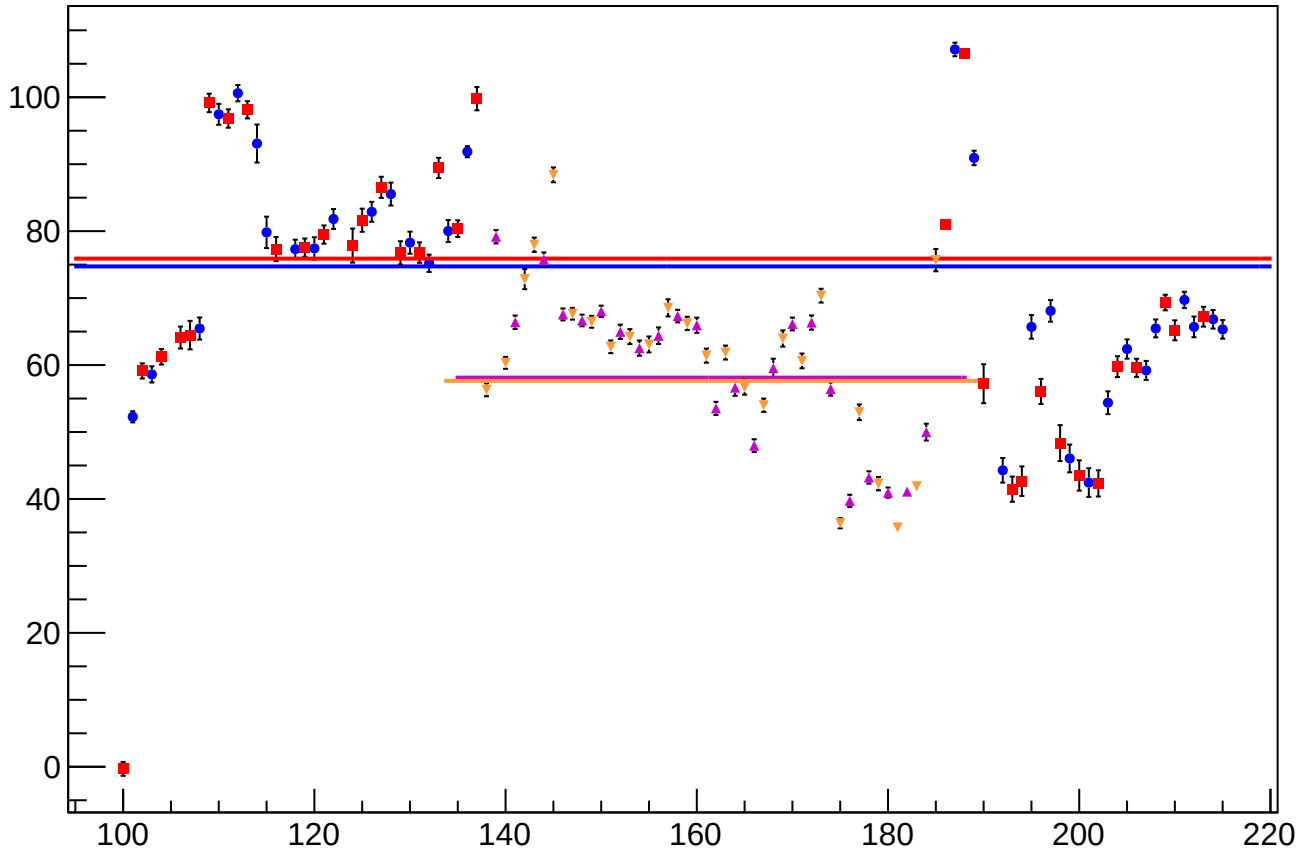
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.334+/-0.192 χ^2/NDF: 690.4/63

In: 1.182+/-0.136 χ^2/NDF:1888.2/53

Out: 1.545+/-0.131 χ^2/NDF:2302.0/57

All: 1.370+/-0.094 χ^2/NDF: 4193.9/111



Right In: 74.735+/-0.249 χ^2/NDF: 4681.8/30

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 75.897+/-0.230 χ^2/NDF: 11812.0/32

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

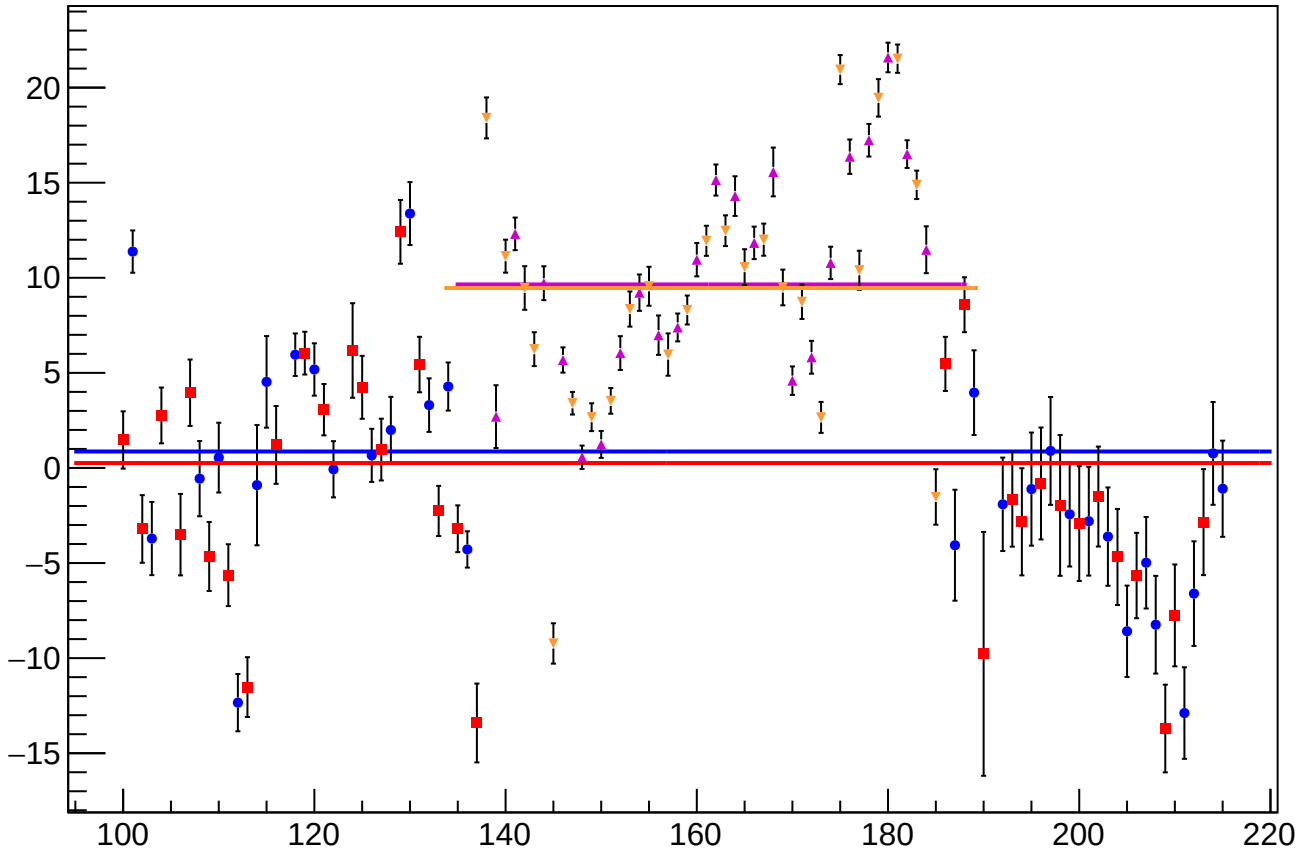
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

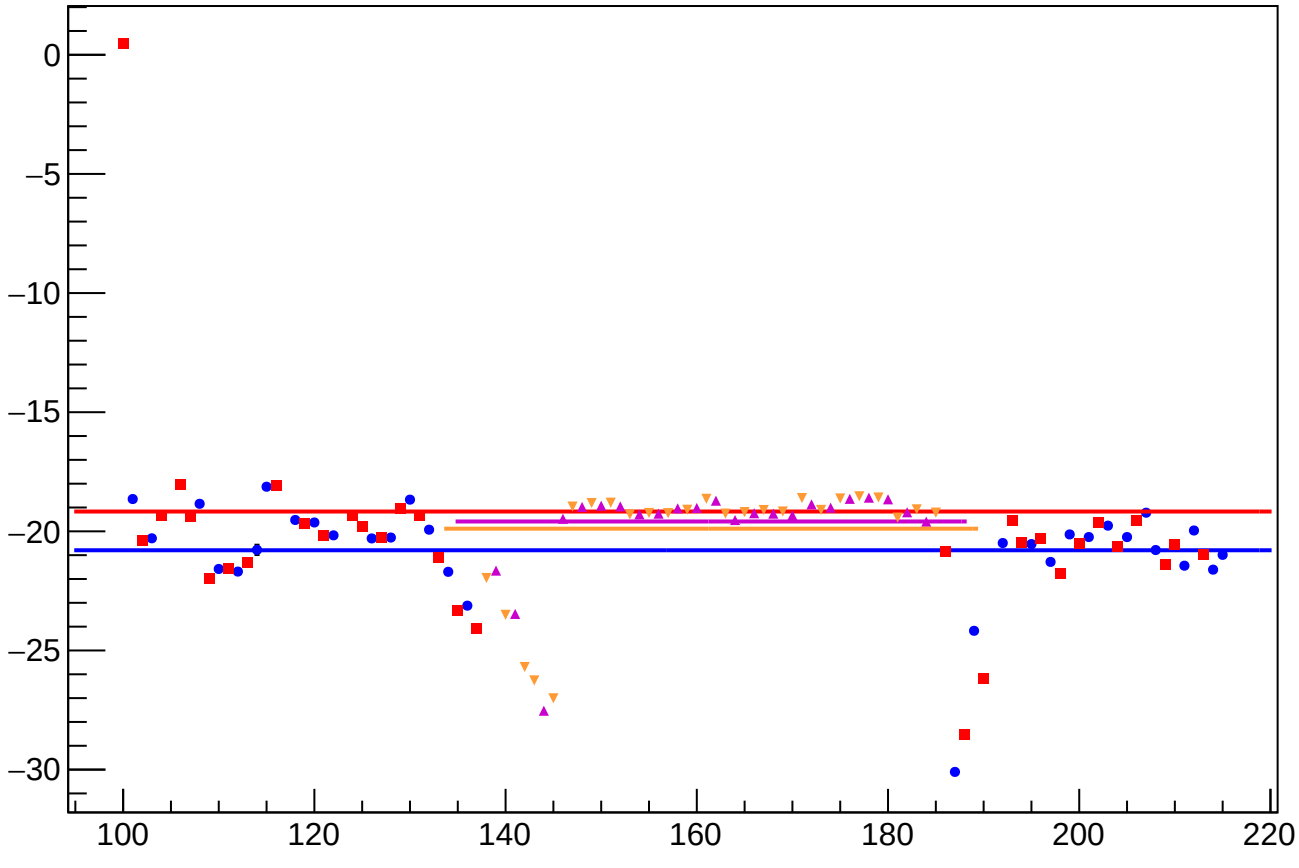
Right: 75.364+/-0.169 χ^2/NDF: 16505.6/63

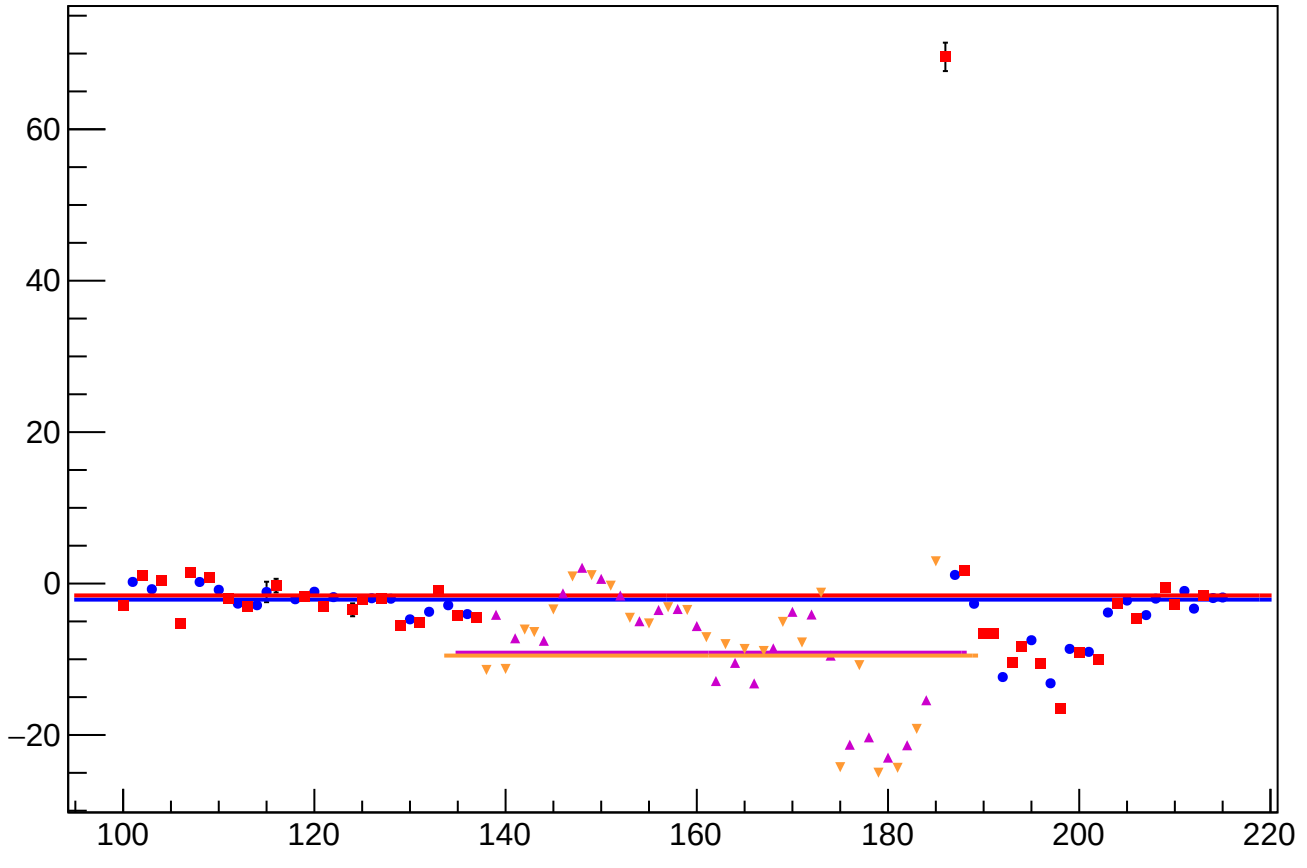
In: 64.771+/-0.158 χ^2/NDF:10786.8/53

Out: 65.481+/-0.151 χ^2/NDF:20031.2/57

All: 65.143+/-0.109 χ^2/NDF: 30828.6/111


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
220
Right In: 0.866+/-0.320 χ²/NDF: 390.5/30
Left Out: 9.461+/-0.172 χ²/NDF:1483.1/24
Right Out: 0.260+/-0.314 χ²/NDF: 364.9/32
Left In: 9.650+/-0.177 χ²/NDF:1078.5/22
Left: 9.553+/-0.123 χ²/NDF: 2562.3/47
Right: 0.557+/-0.224 χ²/NDF: 757.2/63
In: 7.596+/-0.155 χ²/NDF:2047.6/53
Out: 7.339+/-0.151 χ²/NDF:2510.7/57
All: 7.464+/-0.108 χ²/NDF: 4559.7/111


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: -20.794+/-0.016 χ²/NDF: 12535.3/30
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.168+/-0.015 χ²/NDF: 172633.1/32
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.960+/-0.011 χ²/NDF: 190753.8/63
In: -19.837+/-0.007 χ²/NDF:62385.9/53
Out: -19.736+/-0.007 χ²/NDF:252919.0/57
All: -19.786+/-0.005 χ²/NDF: 315407.0/111



Right In: -2.120+/-0.047 χ^2/NDF: 3365.0/30

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.568+/-0.044 χ^2/NDF: 6970.0/33

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

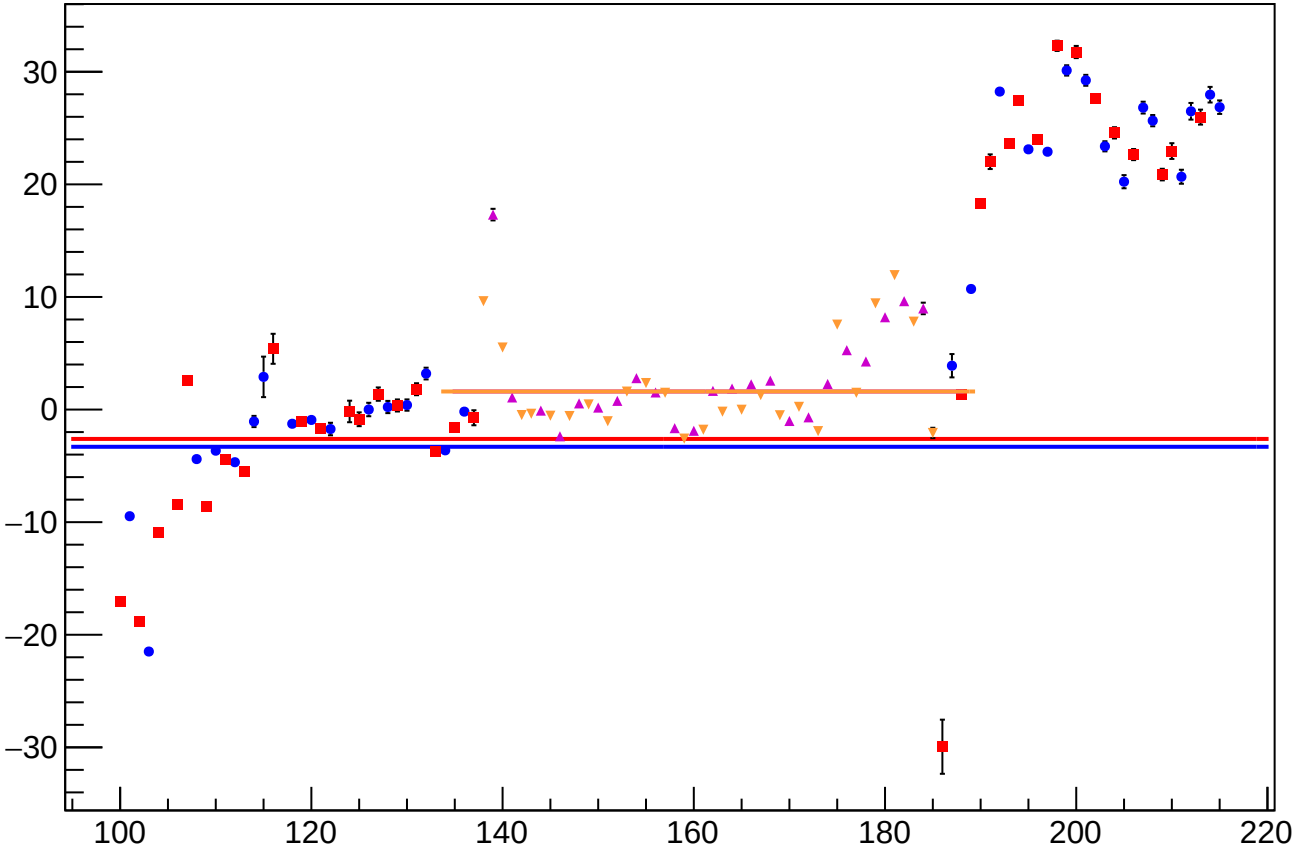
Right: -1.827+/-0.032 χ^2/NDF: 10407.9/64

In: -4.115+/-0.040 χ^2/NDF:20044.7/53

Out: -3.728+/-0.038 χ^2/NDF:28595.2/58

All: -3.912+/-0.027 χ^2/NDF: 48689.4/112

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.306+/-0.052 χ^2/NDF: 69135.8/30

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.608+/-0.052 χ^2/NDF: 68619.0/33

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

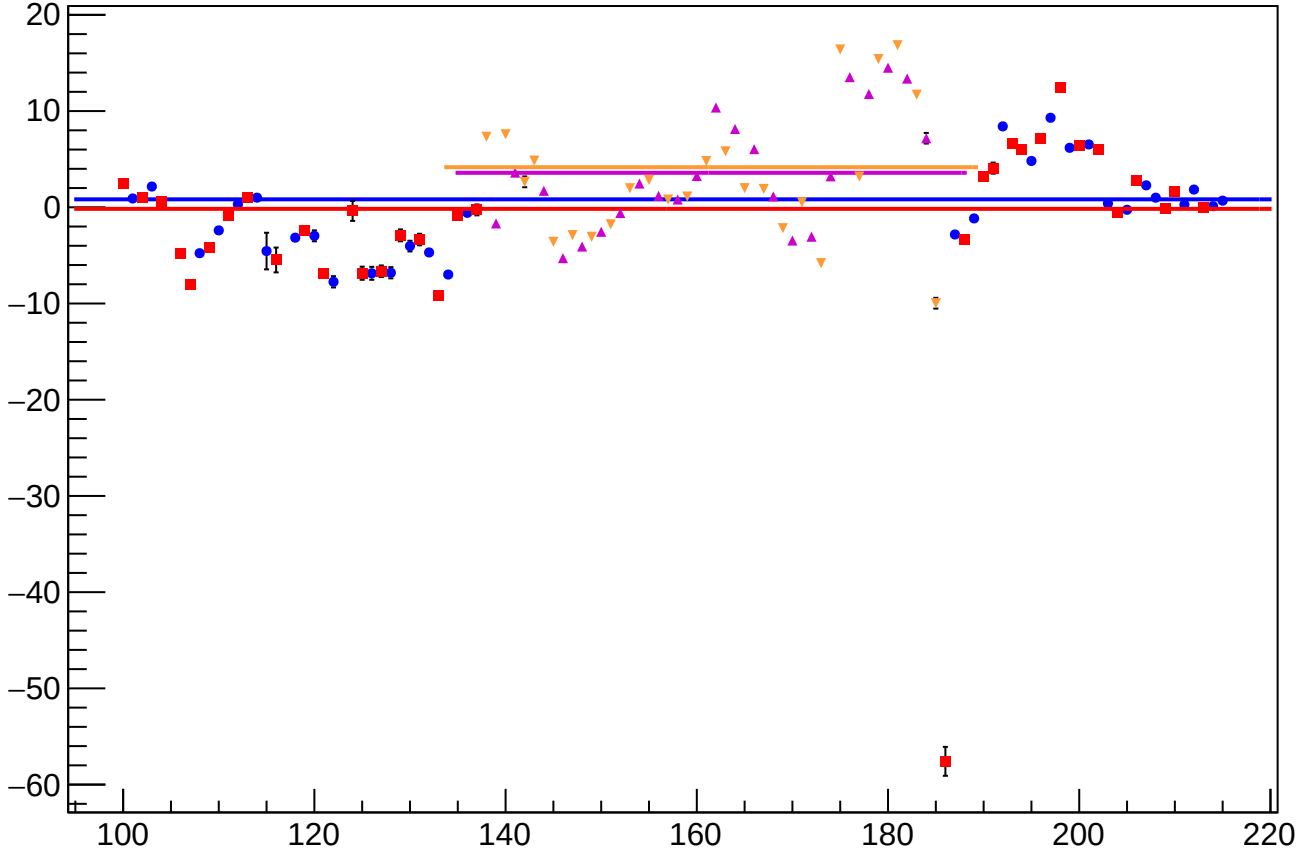
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -2.954+/-0.037 χ^2/NDF: 137845.4/64

In: -1.103+/-0.039 χ^2/NDF:76789.7/53

Out: -0.640+/-0.038 χ^2/NDF:76404.0/58

All: -0.866+/-0.027 χ^2/NDF: 153267.4/112



Right In: 0.827+/-0.046 χ^2/NDF: 4184.9/30

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.162+/-0.045 χ^2/NDF: 8227.5/33

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

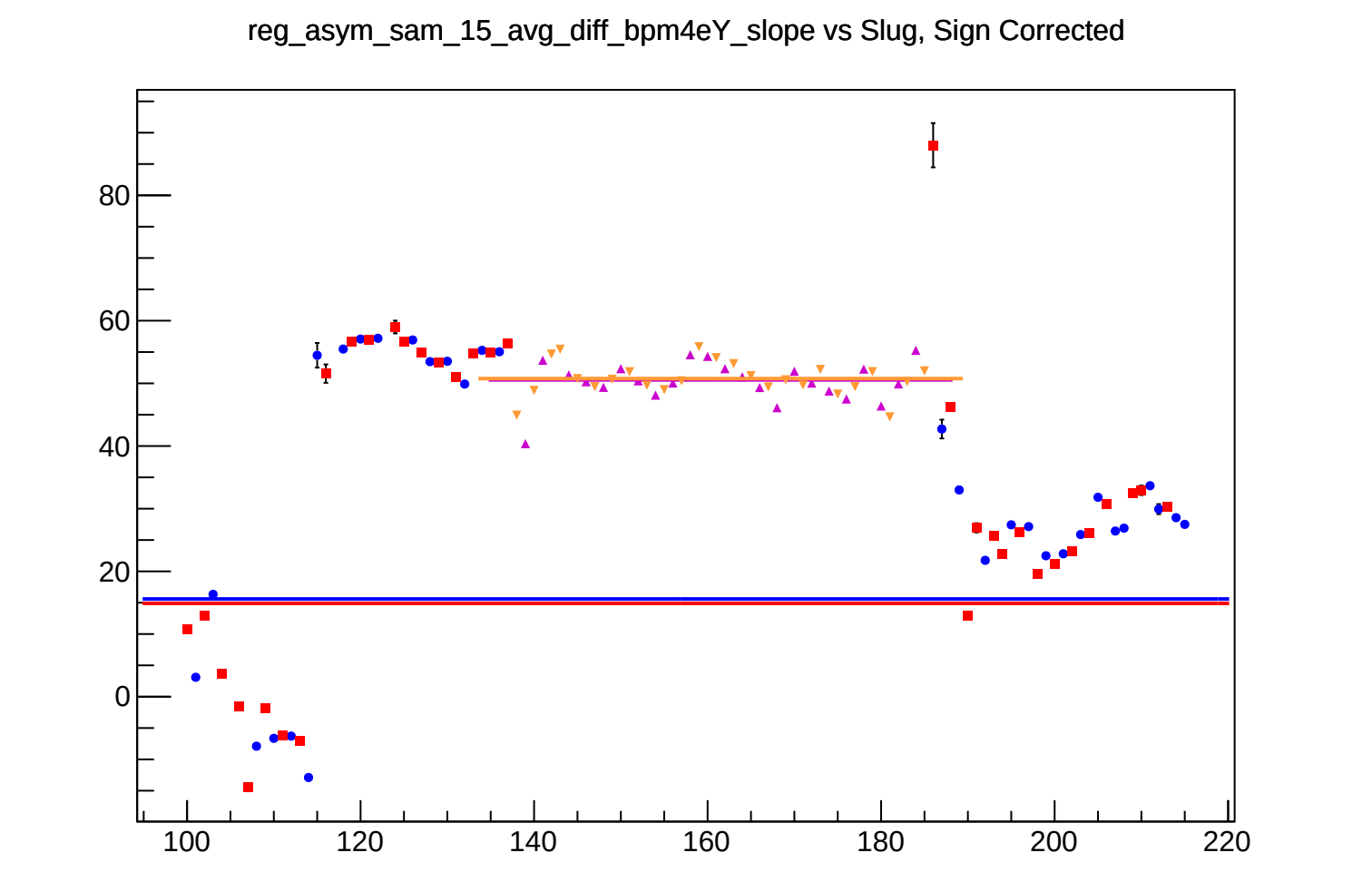
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.323+/-0.032 χ^2/NDF: 12651.2/64

In: 1.588+/-0.039 χ^2/NDF:12419.2/53

Out: 1.045+/-0.038 χ^2/NDF:20073.3/58

All: 1.311+/-0.027 χ^2/NDF: 32592.1/112



Right In: 15.595+/-0.062 χ^2/NDF: 116621.0/30

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.892+/-0.061 χ^2/NDF: 132867.4/33

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

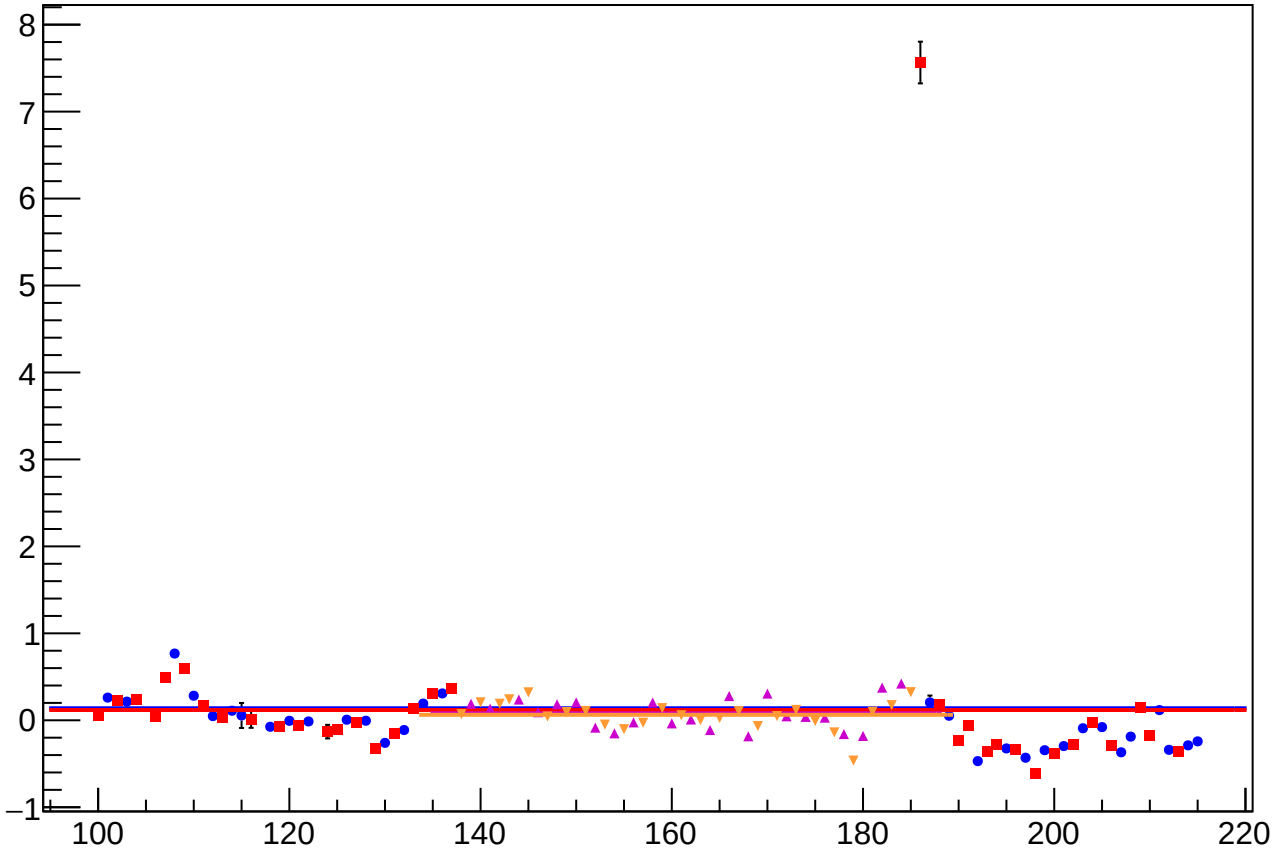
Right: 15.241+/-0.043 χ^2/NDF: 249554.0/64

In: 32.199+/-0.045 χ^2/NDF:271245.2/53

Out: 32.463+/-0.044 χ^2/NDF:302972.2/58

All: 32.334+/-0.031 χ^2/NDF: 574235.2/112

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.138+/-0.002 χ^2/NDF: 13929.9/30

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.119+/-0.002 χ^2/NDF: 13204.7/33

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

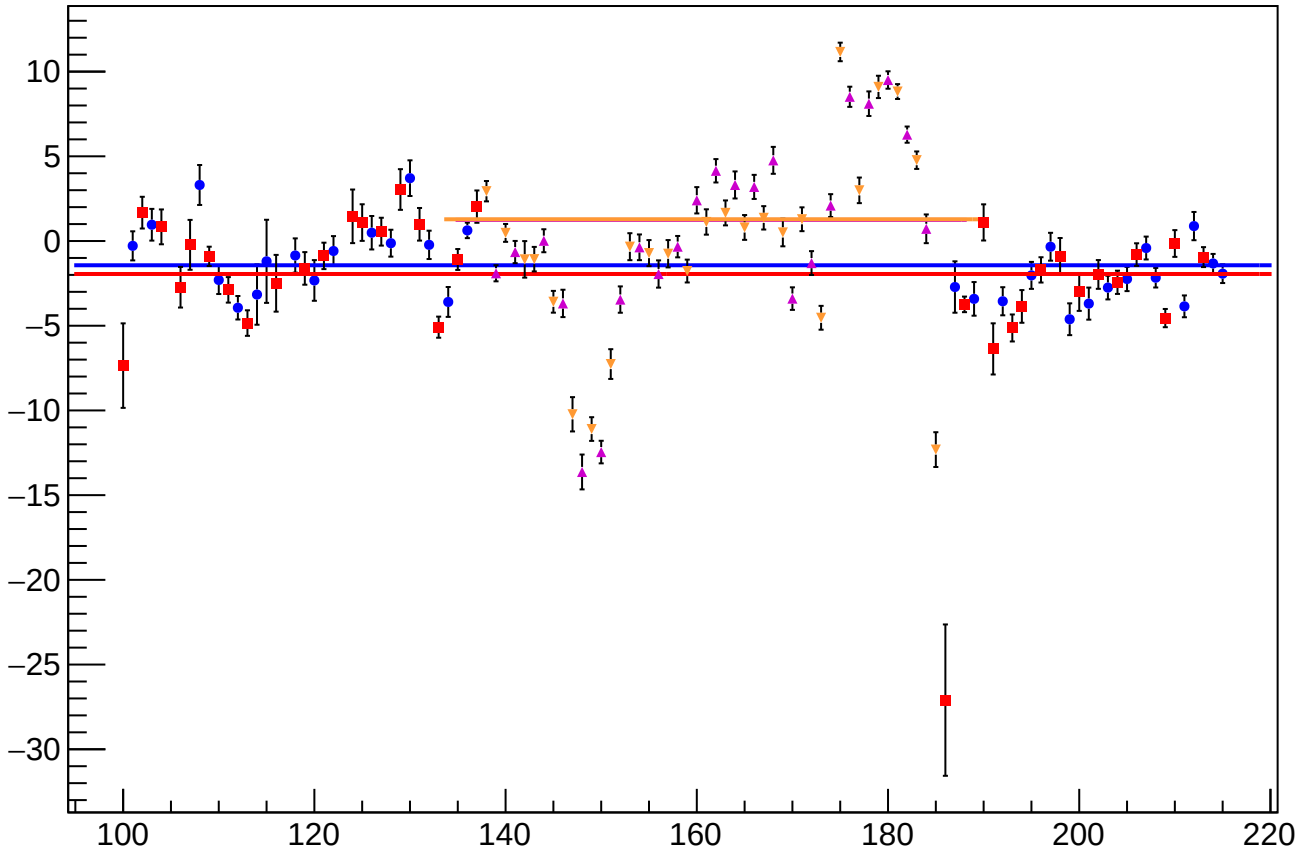
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.128+/-0.002 χ^2/NDF: 27168.1/64

In: 0.113+/-0.002 χ^2/NDF:17622.0/53

Out: 0.095+/-0.002 χ^2/NDF:15996.7/58

All: 0.104+/-0.001 χ^2/NDF: 33666.6/112



Right In: -1.431+/-0.143 χ^2/NDF: 162.4/30

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.946+/-0.142 χ^2/NDF: 263.9/33

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

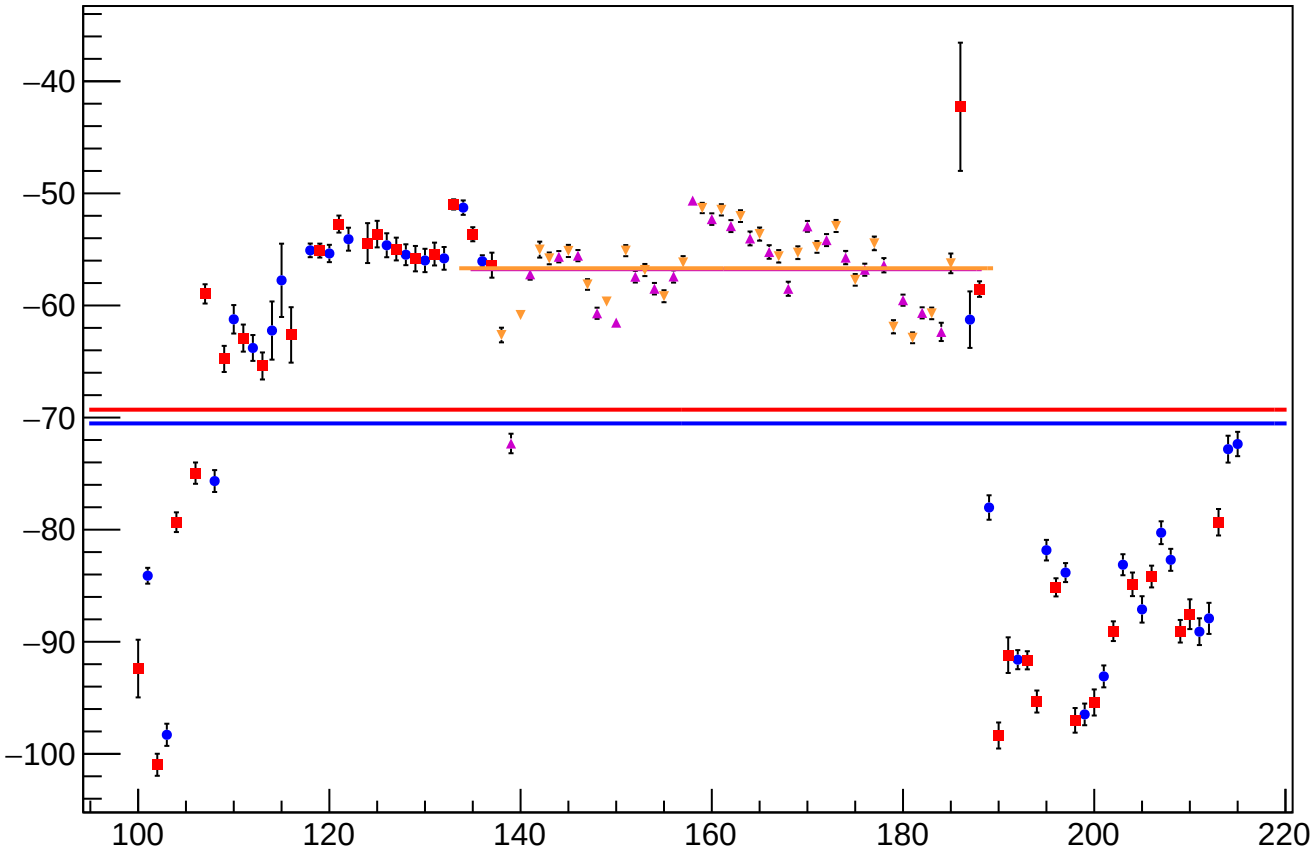
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.691+/-0.101 χ^2/NDF: 432.8/64

In: -0.068+/-0.100 χ^2/NDF:1853.3/53

Out: -0.277+/-0.098 χ^2/NDF:2247.9/58

All: -0.174+/-0.070 χ^2/NDF: 4103.4/112



Right In: -70.522+/-0.170 χ^2/NDF: 8455.7/30

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.295+/-0.163 χ^2/NDF: 11296.8/33

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

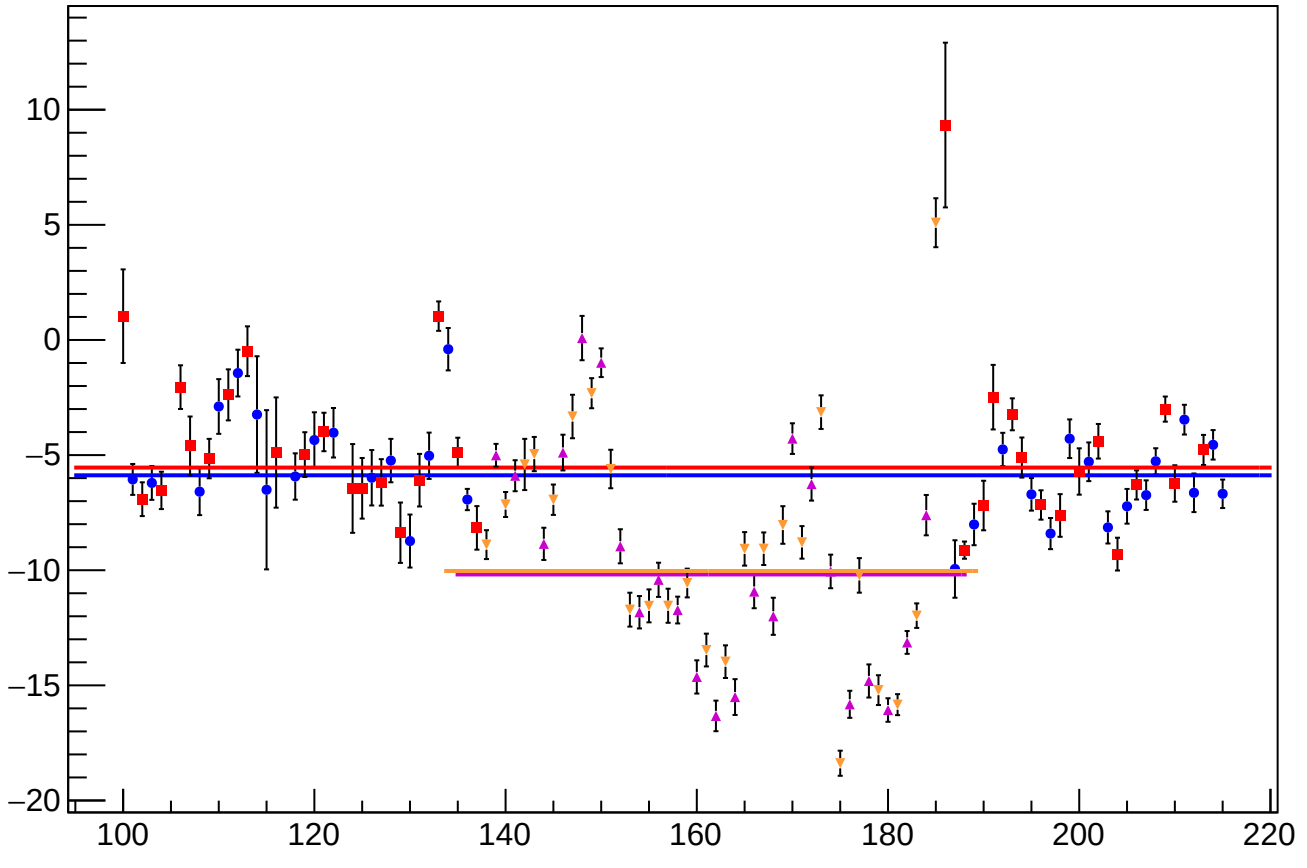
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.881+/-0.118 χ^2/NDF: 19779.6/64

In: -60.923+/-0.094 χ^2/NDF:14127.5/53

Out: -60.505+/-0.089 χ^2/NDF:16508.9/58

All: -60.705+/-0.065 χ^2/NDF: 30646.8/112



Right In: -5.878+/-0.144 χ^2/NDF: 155.3/30

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.542+/-0.141 χ^2/NDF: 379.2/33

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

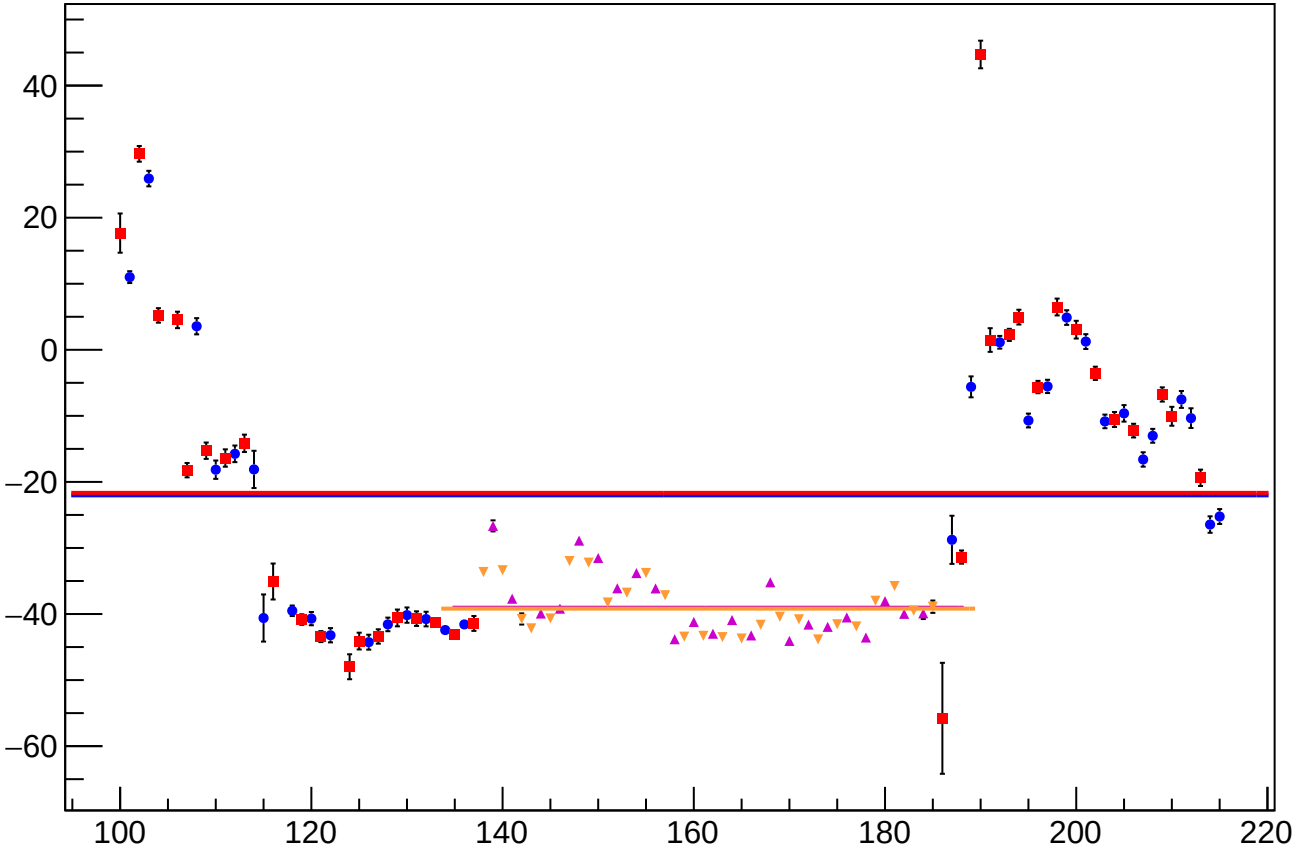
Right: -5.706+/-0.101 χ^2/NDF: 537.3/64

In: -8.111+/-0.100 χ^2/NDF:1759.2/53

Out: -7.864+/-0.098 χ^2/NDF:2086.9/58

All: -7.985+/-0.070 χ^2/NDF: 3849.2/112

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.034+/-0.193 χ^2/NDF: 10735.3/30

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -21.656+/-0.188 χ^2/NDF: 12947.4/33

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

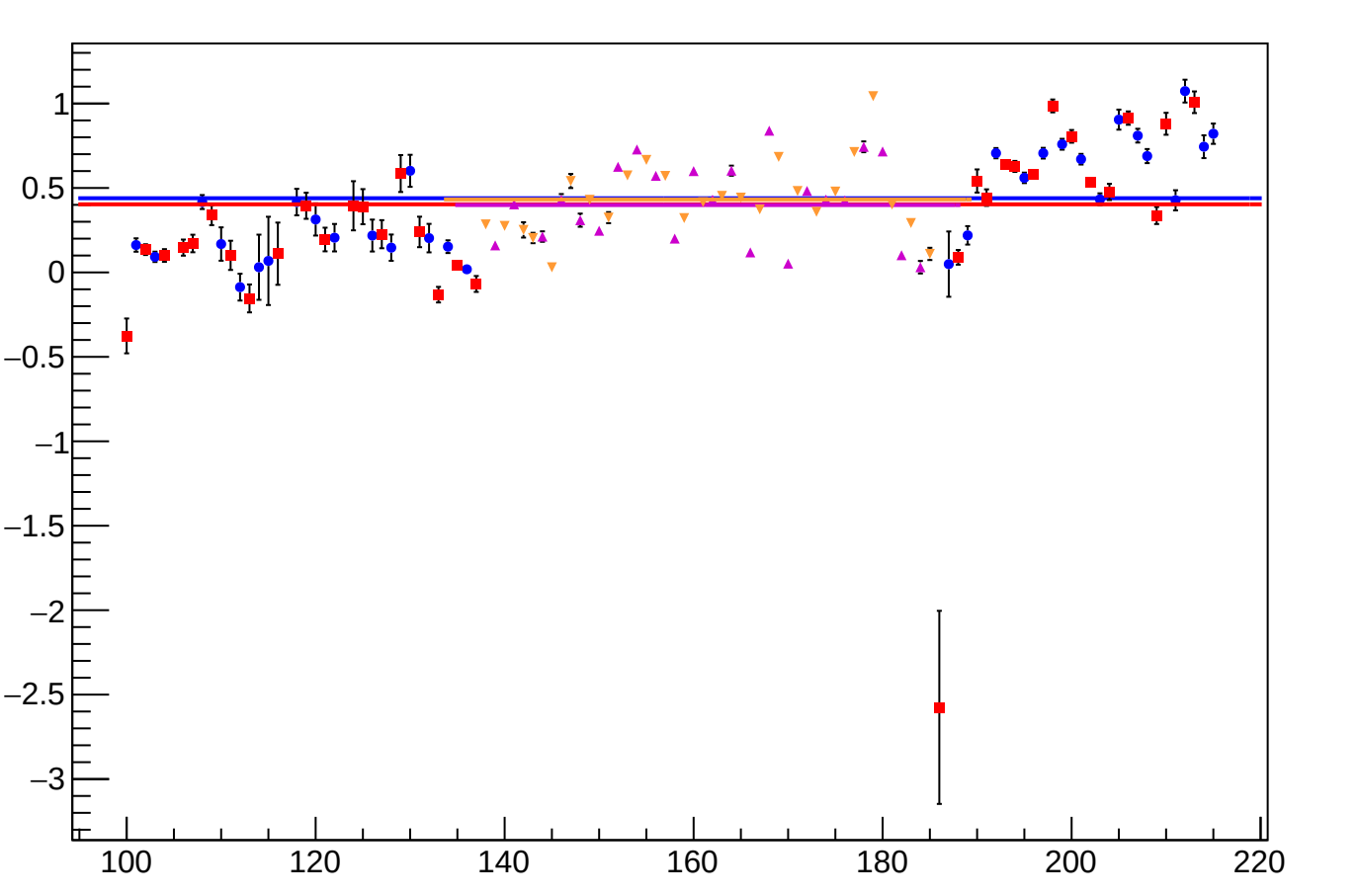
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -21.840+/-0.135 χ^2/NDF: 23684.7/64

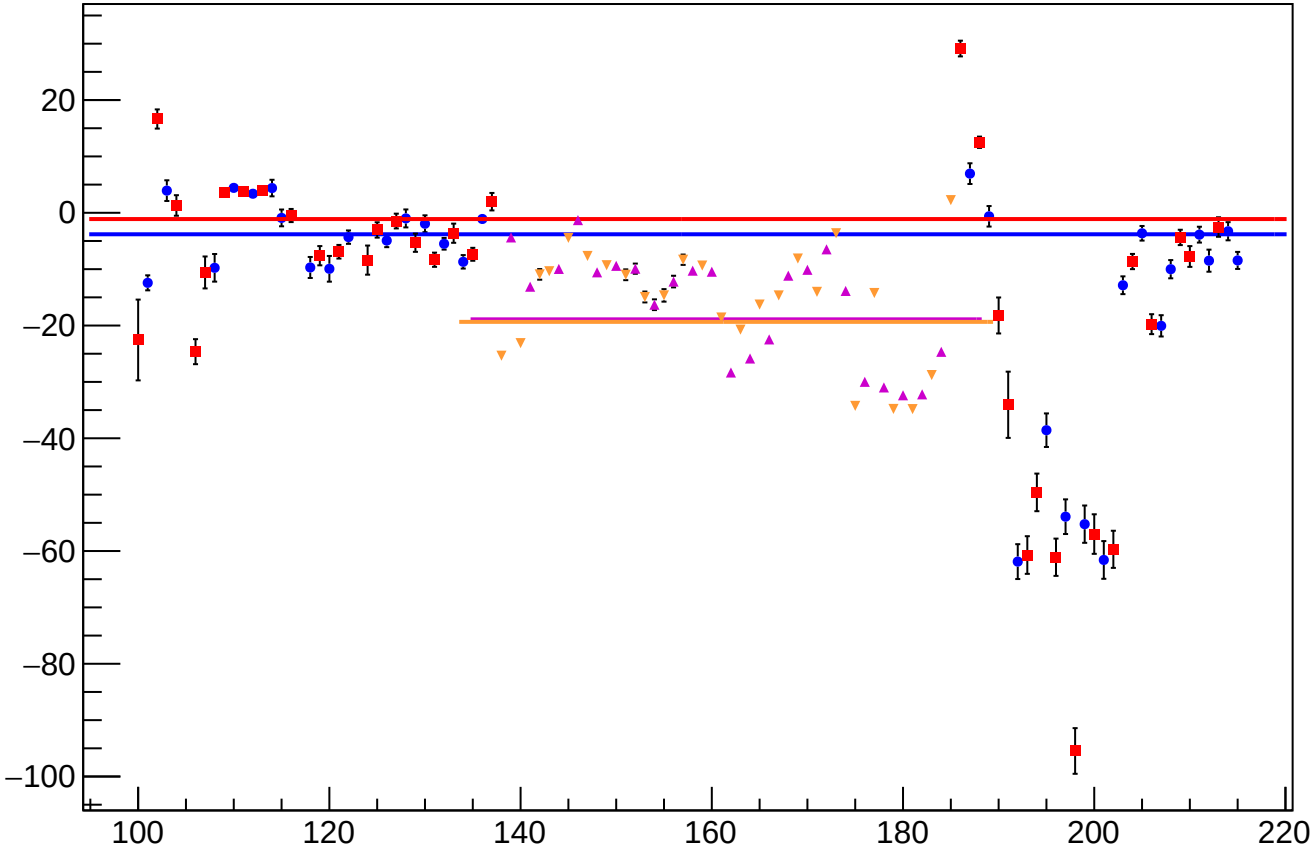
In: -34.048+/-0.104 χ^2/NDF:17467.5/53

Out: -34.116+/-0.101 χ^2/NDF:20147.6/58

All: -34.083+/-0.073 χ^2/NDF: 37615.3/112


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
100
120
140
160
180
200
220
Right In: 0.439+/-0.008 χ²/NDF: 1378.9/30
Left Out: 0.432+/-0.005 χ²/NDF:1368.7/24
Right Out: 0.403+/-0.008 χ²/NDF: 1684.2/33
Left In: 0.399+/-0.005 χ²/NDF:1923.8/22
Left: 0.416+/-0.004 χ²/NDF: 3312.1/47
Right: 0.421+/-0.006 χ²/NDF: 3073.1/64
In: 0.411+/-0.004 χ²/NDF:3319.8/53
Out: 0.423+/-0.004 χ²/NDF:3062.1/58
All: 0.417+/-0.003 χ²/NDF: 6385.8/112

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.811+/-0.242 χ^2/NDF: 1894.2/30

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.110+/-0.234 χ^2/NDF: 3394.3/33

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

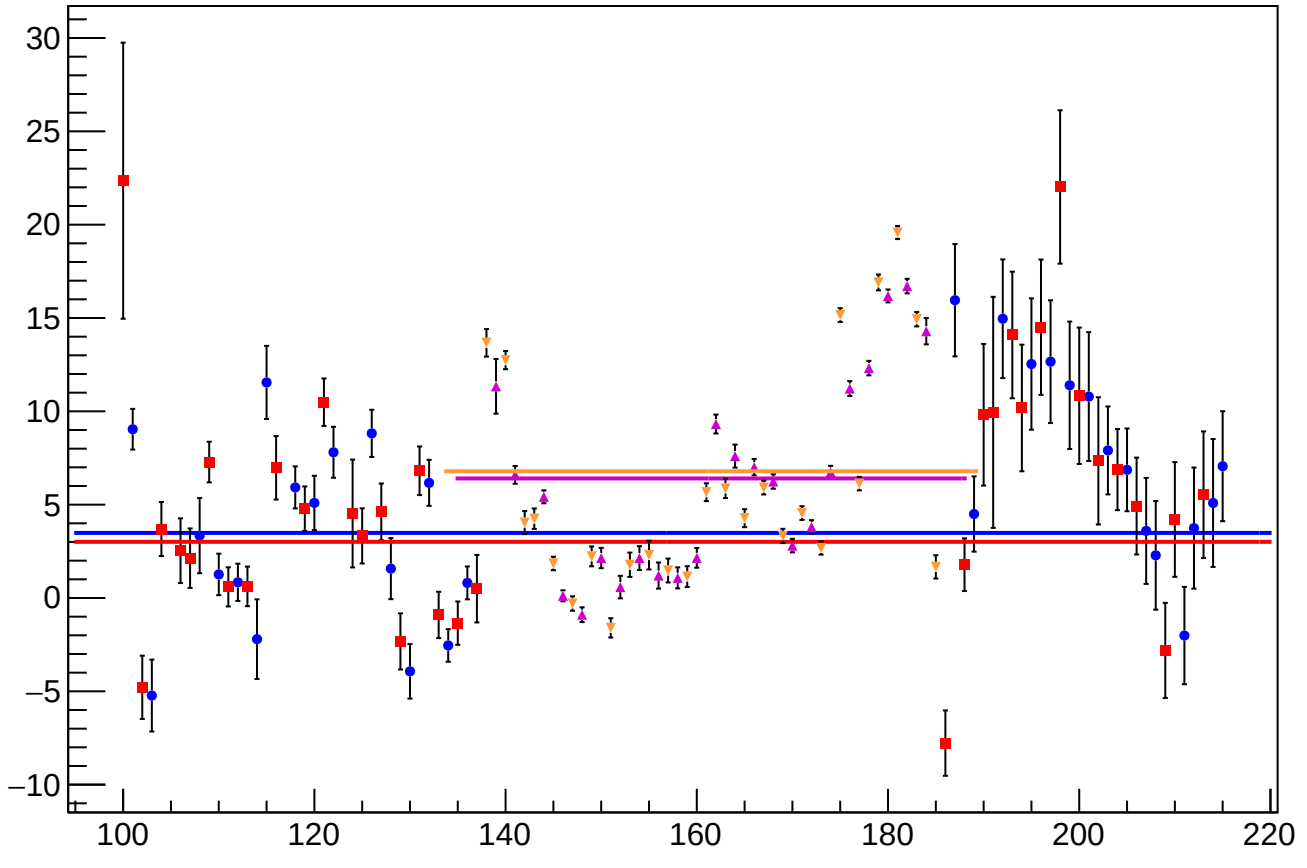
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

Right: -2.413+/-0.168 χ^2/NDF: 5352.8/64

In: -16.080+/-0.105 χ^2/NDF:13337.8/53

Out: -15.876+/-0.102 χ^2/NDF:18714.4/58

All: -15.975+/-0.073 χ^2/NDF: 32054.2/112



Right In: 3.487+/-0.288 χ^2/NDF: 270.9/30

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 3.009+/-0.292 χ^2/NDF: 250.8/33

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

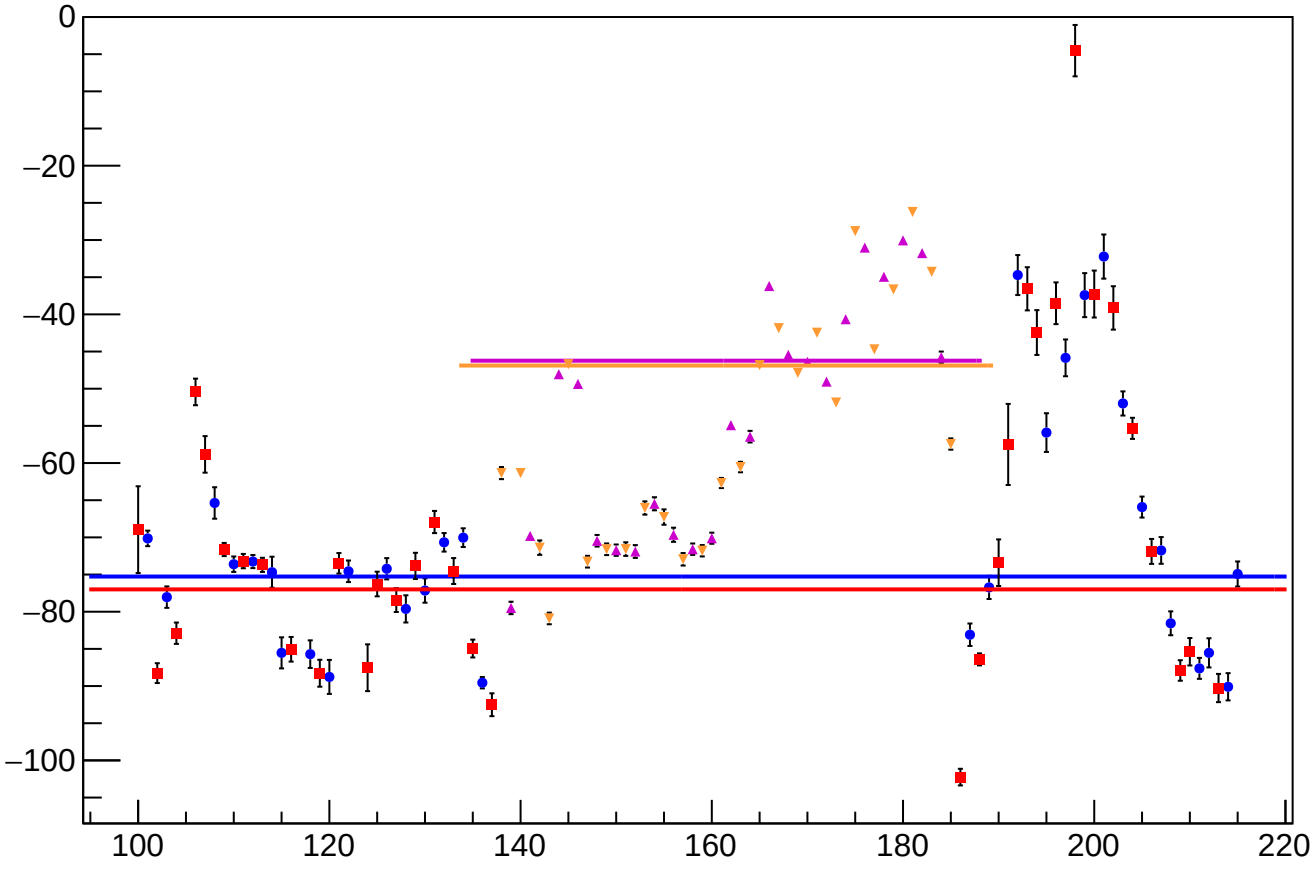
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.251+/-0.205 χ^2/NDF: 523.1/64

In: 6.138+/-0.087 χ^2/NDF:3774.6/53

Out: 6.459+/-0.086 χ^2/NDF:5036.3/58

All: 6.300+/-0.061 χ^2/NDF: 8817.8/112



Right In: -75.268+/-0.268 χ^2/NDF: 1799.6/30

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.996+/-0.264 χ^2/NDF: 3010.7/33

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

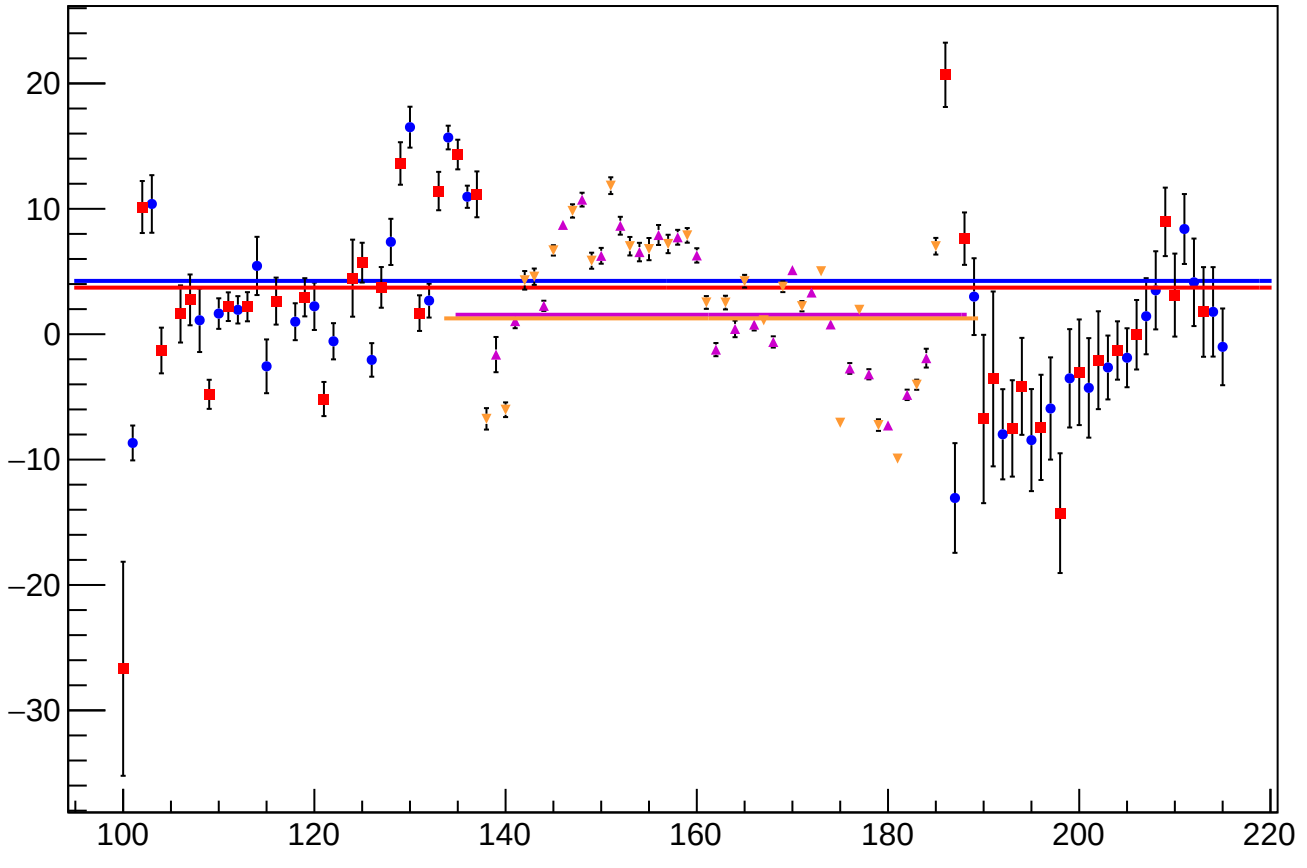
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.145+/-0.188 χ^2/NDF: 4831.4/64

In: -50.827+/-0.107 χ^2/NDF:26841.3/53

Out: -51.605+/-0.105 χ^2/NDF:31946.1/58

All: -51.224+/-0.075 χ^2/NDF: 58814.5/112



Right In: 4.252+/-0.323 χ^2/NDF: 491.3/30

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.715+/-0.332 χ^2/NDF: 391.7/33

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

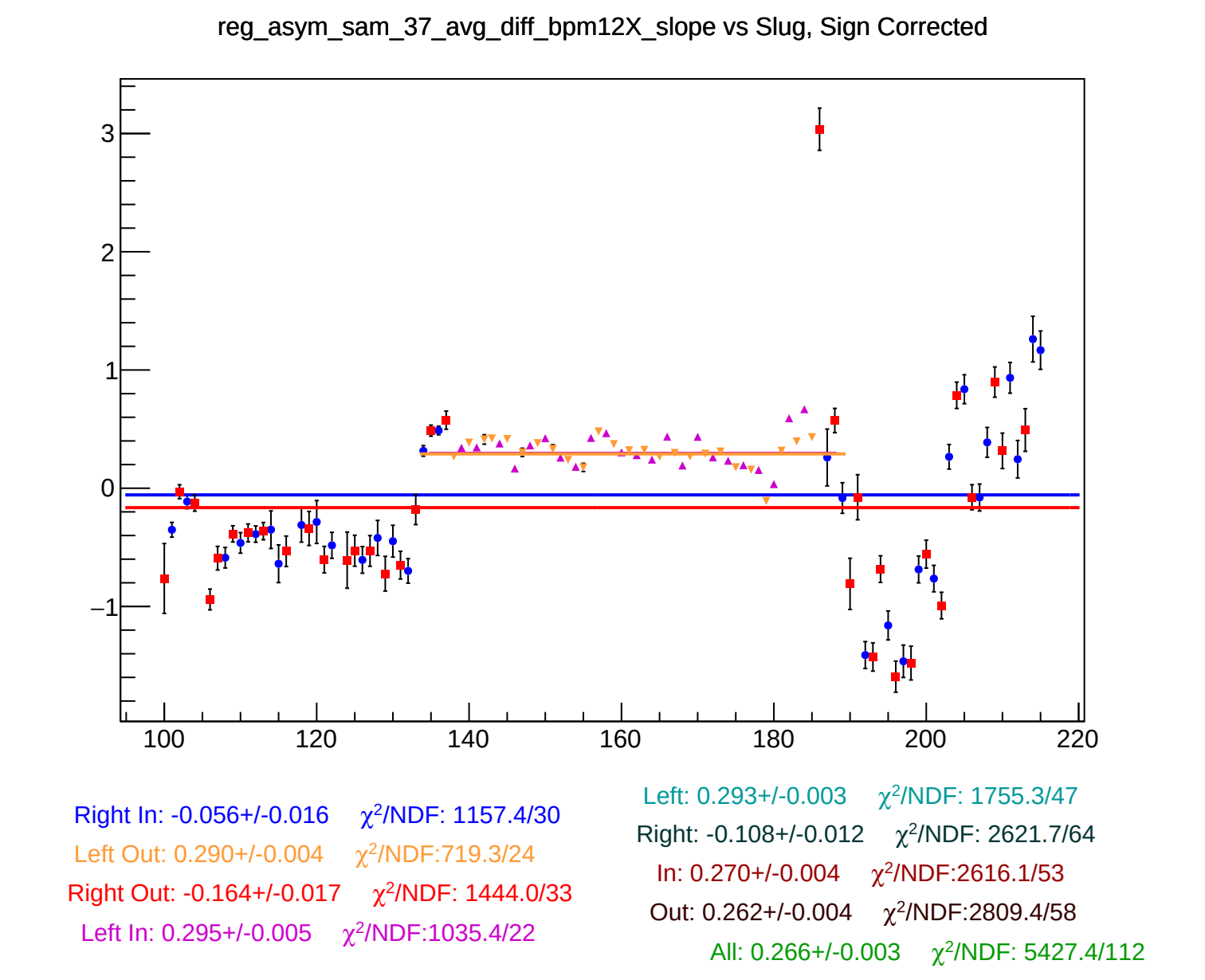
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

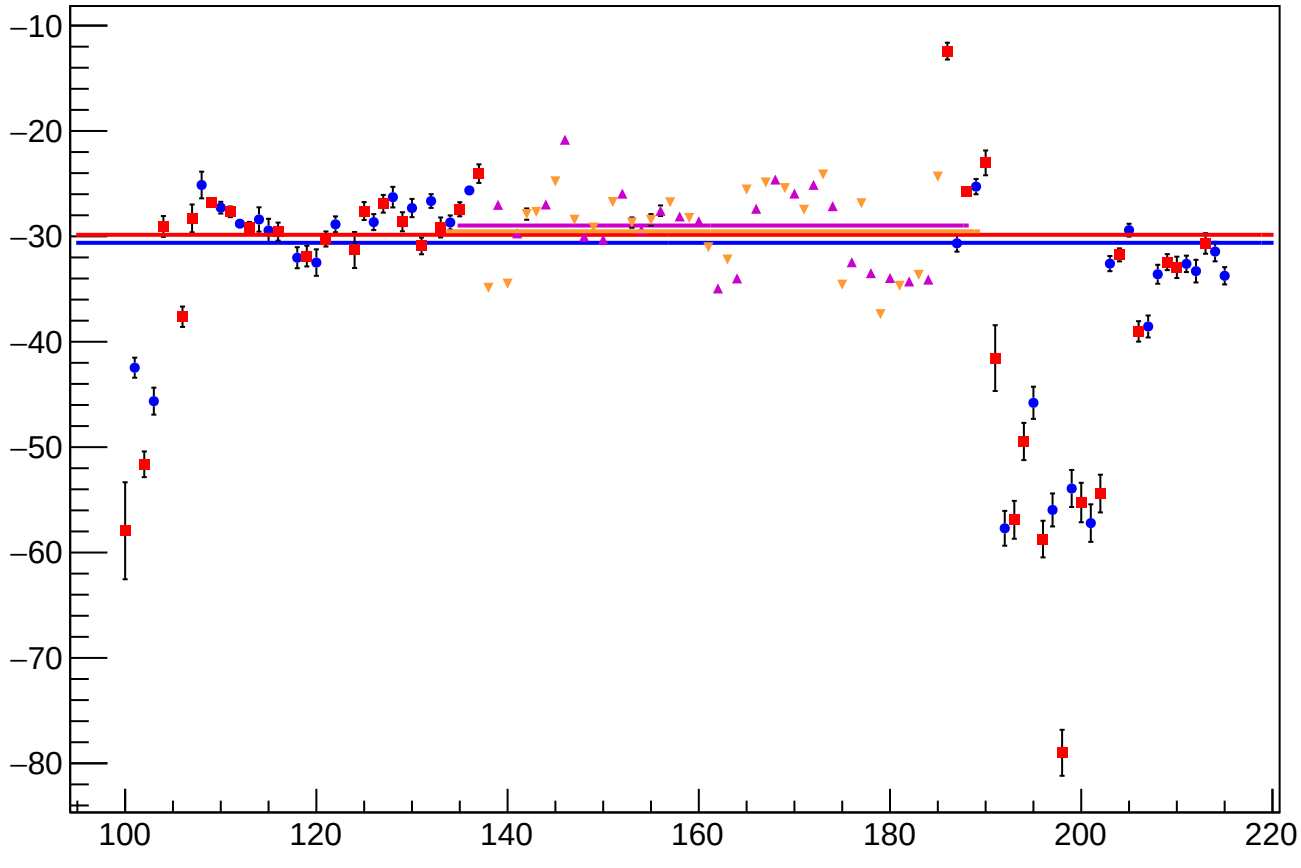
Right: 3.991+/-0.232 χ^2/NDF: 884.3/64

In: 1.796+/-0.097 χ^2/NDF:2890.6/53

Out: 1.467+/-0.096 χ^2/NDF:3887.3/58

All: 1.630+/-0.068 χ^2/NDF: 6783.7/112


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: -0.056+/-0.016 χ²/NDF: 1157.4/30
Left Out: 0.290+/-0.004 χ²/NDF:719.3/24
Right Out: -0.164+/-0.017 χ²/NDF: 1444.0/33
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.108+/-0.012 χ²/NDF: 2621.7/64
In: 0.270+/-0.004 χ²/NDF:2616.1/53
Out: 0.262+/-0.004 χ²/NDF:2809.4/58
All: 0.266+/-0.003 χ²/NDF: 5427.4/112



Right In: -30.613+/-0.147 χ^2/NDF: 1783.9/30

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.852+/-0.145 χ^2/NDF: 2805.8/33

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

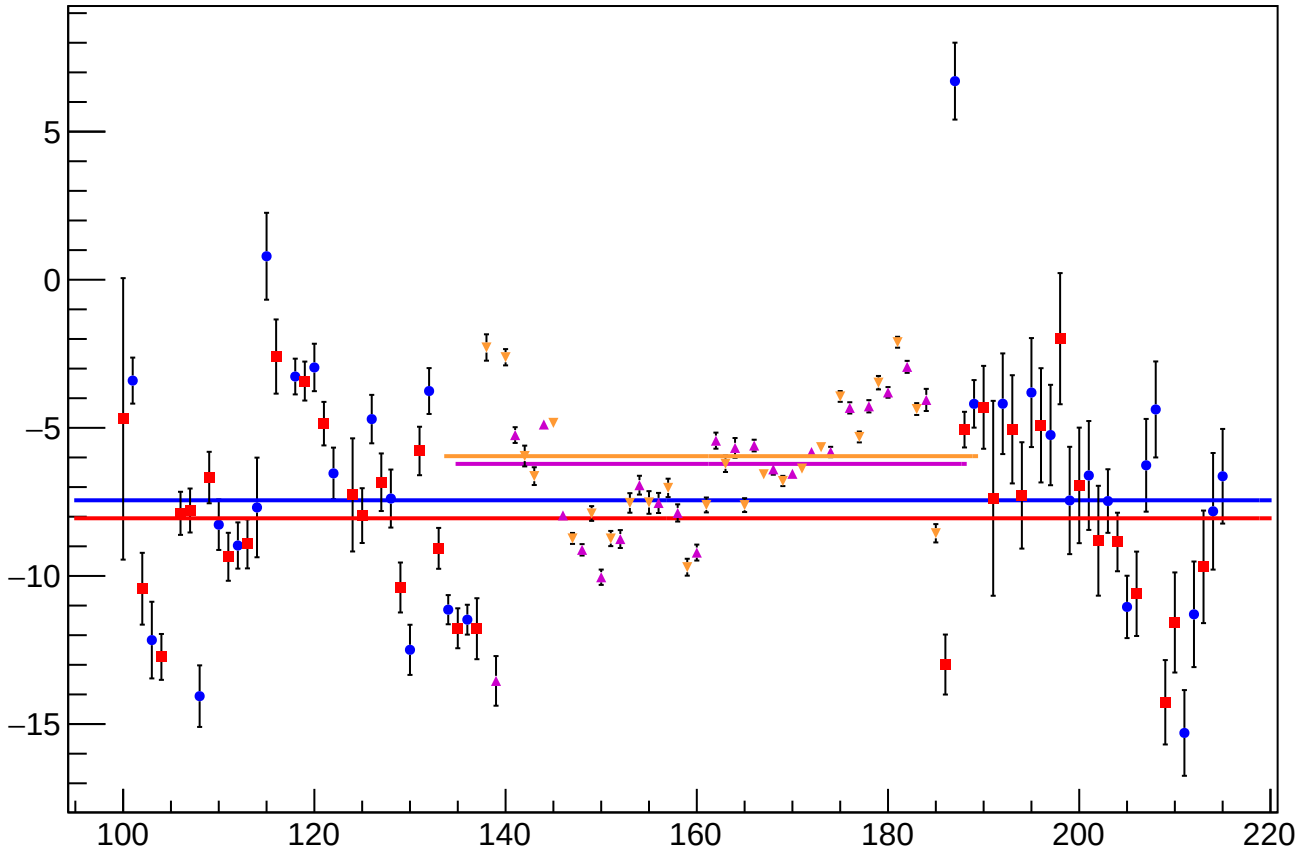
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.228+/-0.103 χ^2/NDF: 4603.2/64

In: -29.185+/-0.053 χ^2/NDF:7240.8/53

Out: -29.560+/-0.053 χ^2/NDF:8898.9/58

All: -29.375+/-0.037 χ^2/NDF: 16164.9/112



Right In: -7.446+/-0.171 χ^2/NDF: 582.2/30

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.053+/-0.170 χ^2/NDF: 294.7/33

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

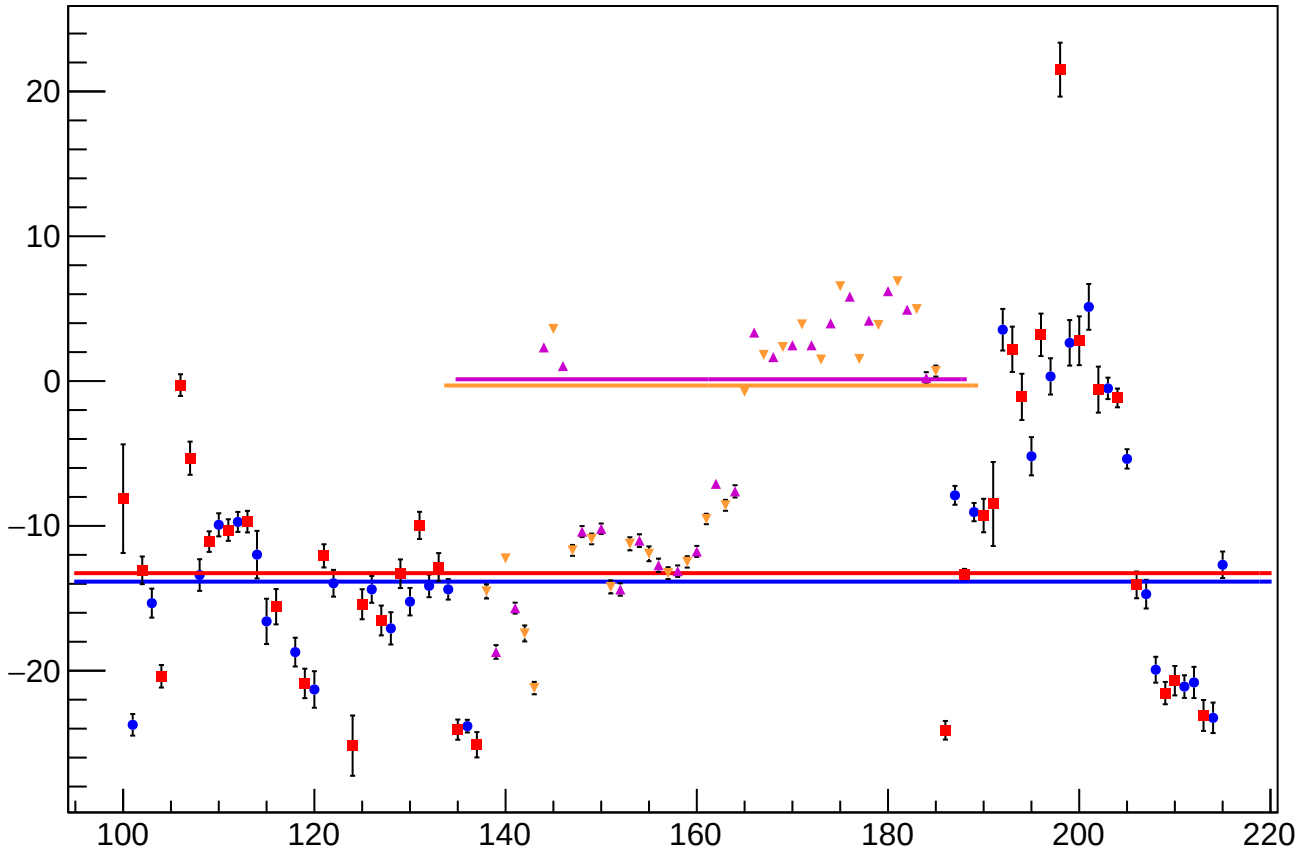
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.751+/-0.121 χ^2/NDF: 883.2/64

In: -6.293+/-0.043 χ^2/NDF:2372.2/53

Out: -6.090+/-0.043 χ^2/NDF:2294.4/58

All: -6.192+/-0.030 χ^2/NDF: 4677.9/112



Right In: -13.849+/-0.156 χ^2/NDF: 2287.1/30

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.262+/-0.152 χ^2/NDF: 2715.1/33

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

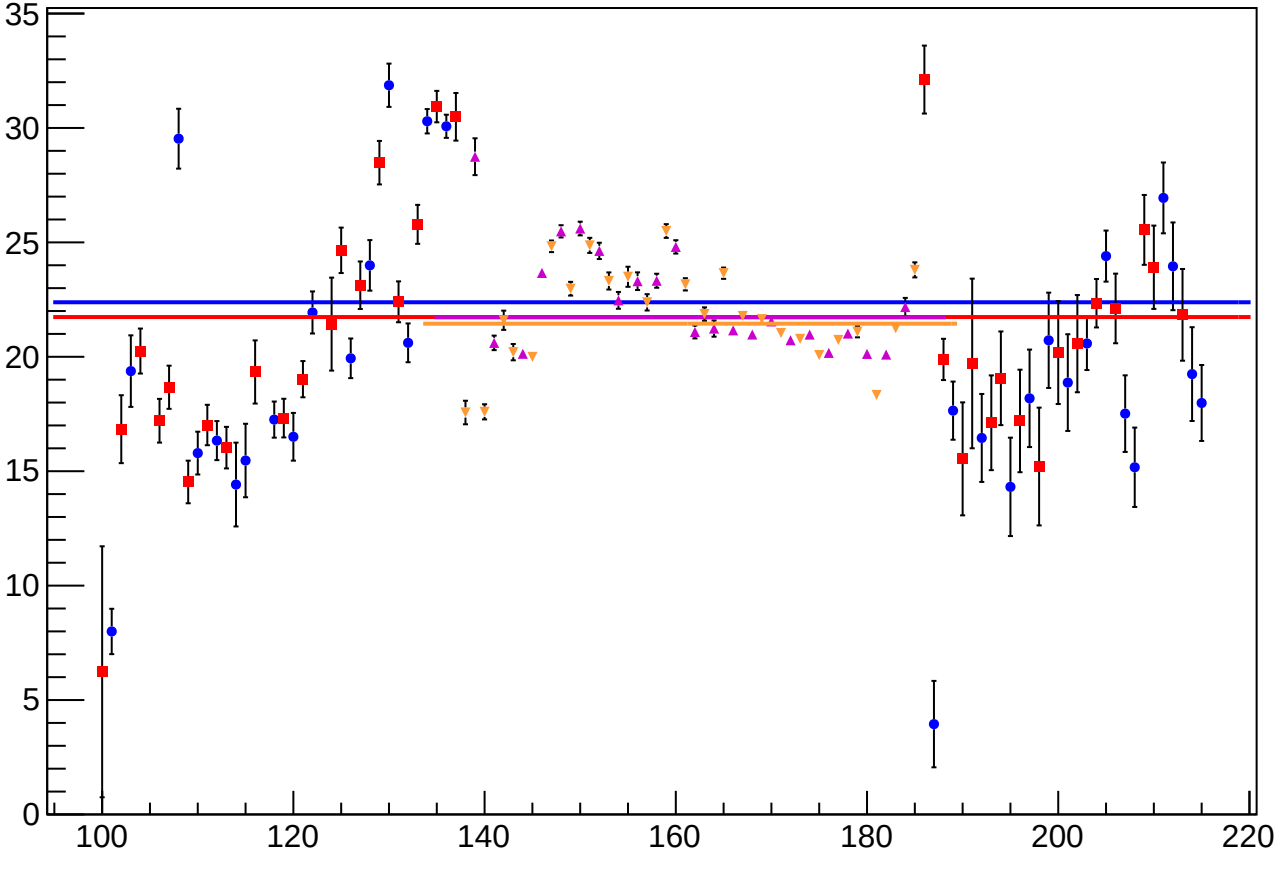
Right: -13.547+/-0.109 χ^2/NDF: 5009.4/64

In: -1.521+/-0.054 χ^2/NDF:23205.1/53

Out: -1.890+/-0.053 χ^2/NDF:26313.0/58

All: -1.708+/-0.038 χ^2/NDF: 49542.1/112

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.383+/-0.194 χ^2/NDF: 1212.9/30

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.737+/-0.199 χ^2/NDF: 644.0/33

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

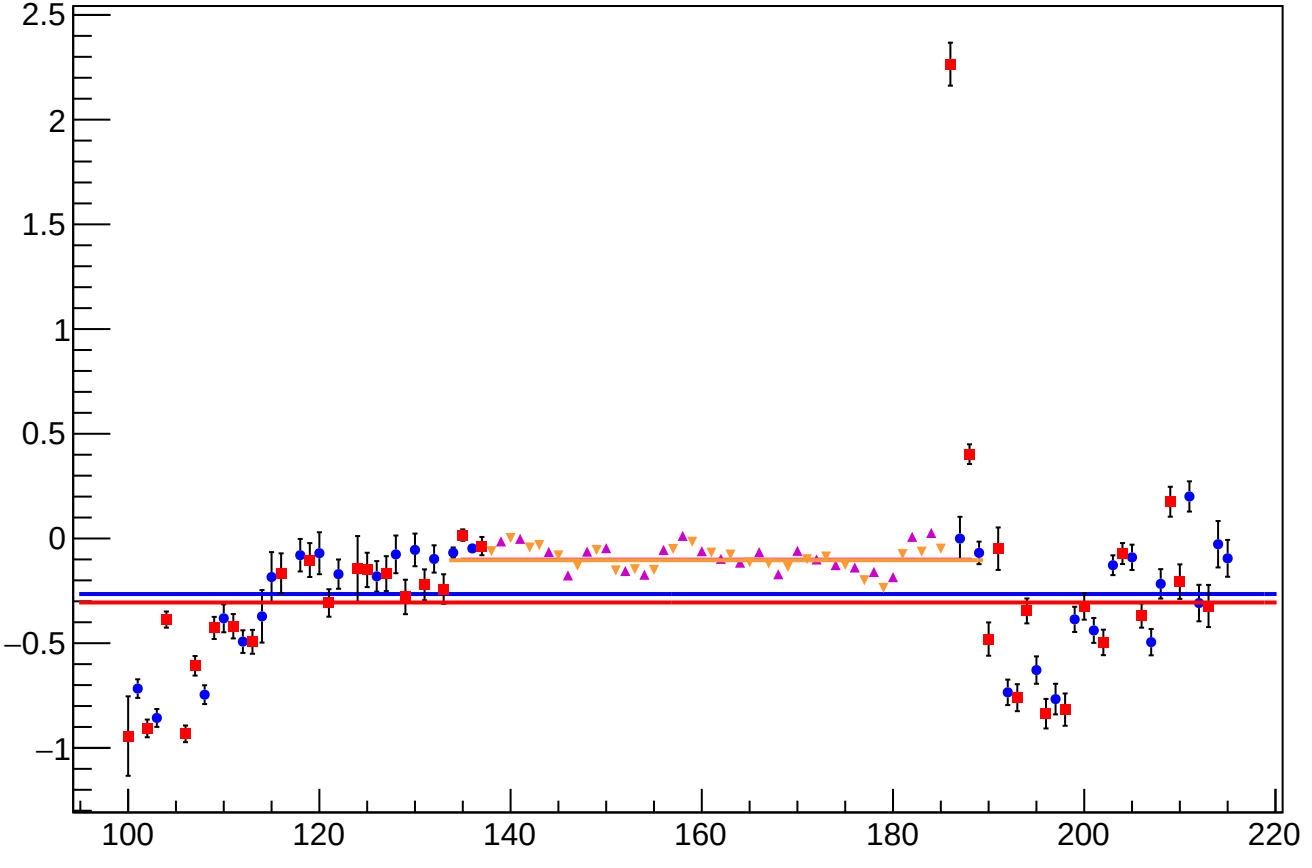
Right: 22.068+/-0.139 χ^2/NDF: 1862.2/64

In: 21.766+/-0.048 χ^2/NDF:2397.4/53

Out: 21.464+/-0.048 χ^2/NDF:1971.2/58

All: 21.615+/-0.034 χ^2/NDF: 4388.3/112

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.265+/-0.010 χ^2/NDF: 886.0/30

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.306+/-0.010 χ^2/NDF: 1821.2/33

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

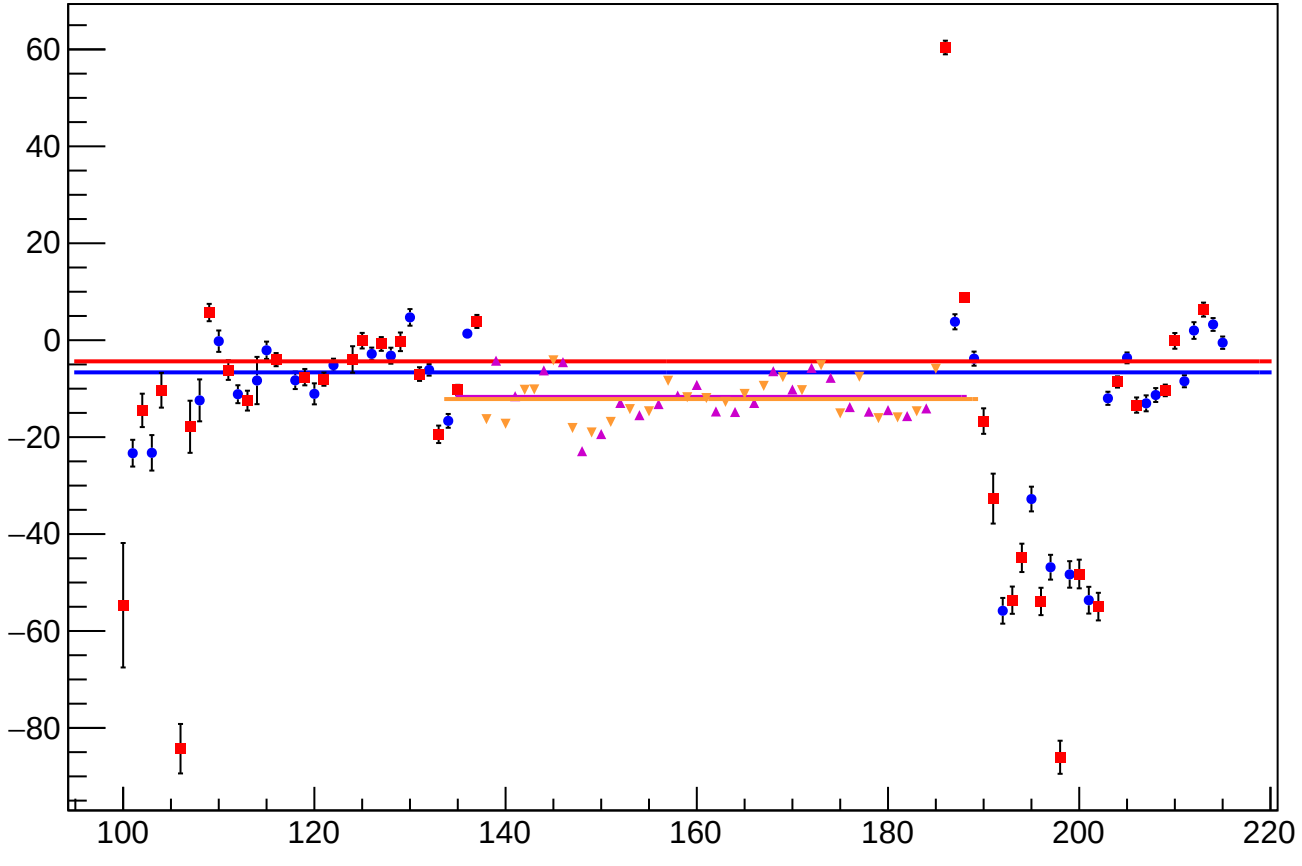
Right: -0.285+/-0.007 χ^2/NDF: 2715.6/64

In: -0.110+/-0.002 χ^2/NDF:1918.0/53

Out: -0.113+/-0.002 χ^2/NDF:2753.8/58

All: -0.111+/-0.002 χ^2/NDF: 4673.0/112

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.637+/-0.279 χ^2/NDF: 1751.9/30

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.363+/-0.294 χ^2/NDF: 4961.9/33

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

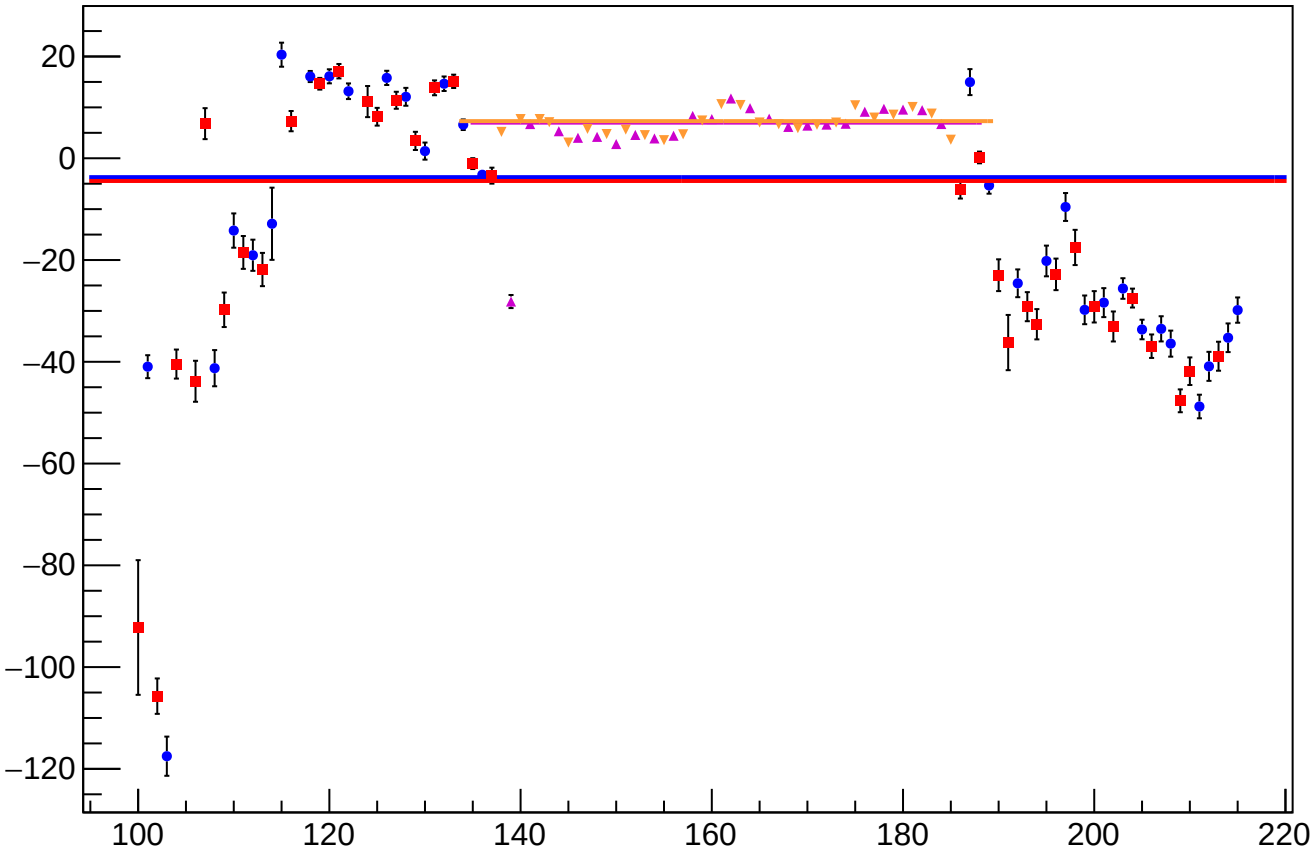
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.557+/-0.202 χ^2/NDF: 6745.2/64

In: -11.180+/-0.089 χ^2/NDF:3997.6/53

Out: -11.455+/-0.087 χ^2/NDF:7731.5/58

All: -11.321+/-0.062 χ^2/NDF: 11733.9/112



Right In: -3.710+/-0.327 χ^2/NDF: 4361.4/30

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -4.462+/-0.345 χ^2/NDF: 3898.3/33

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

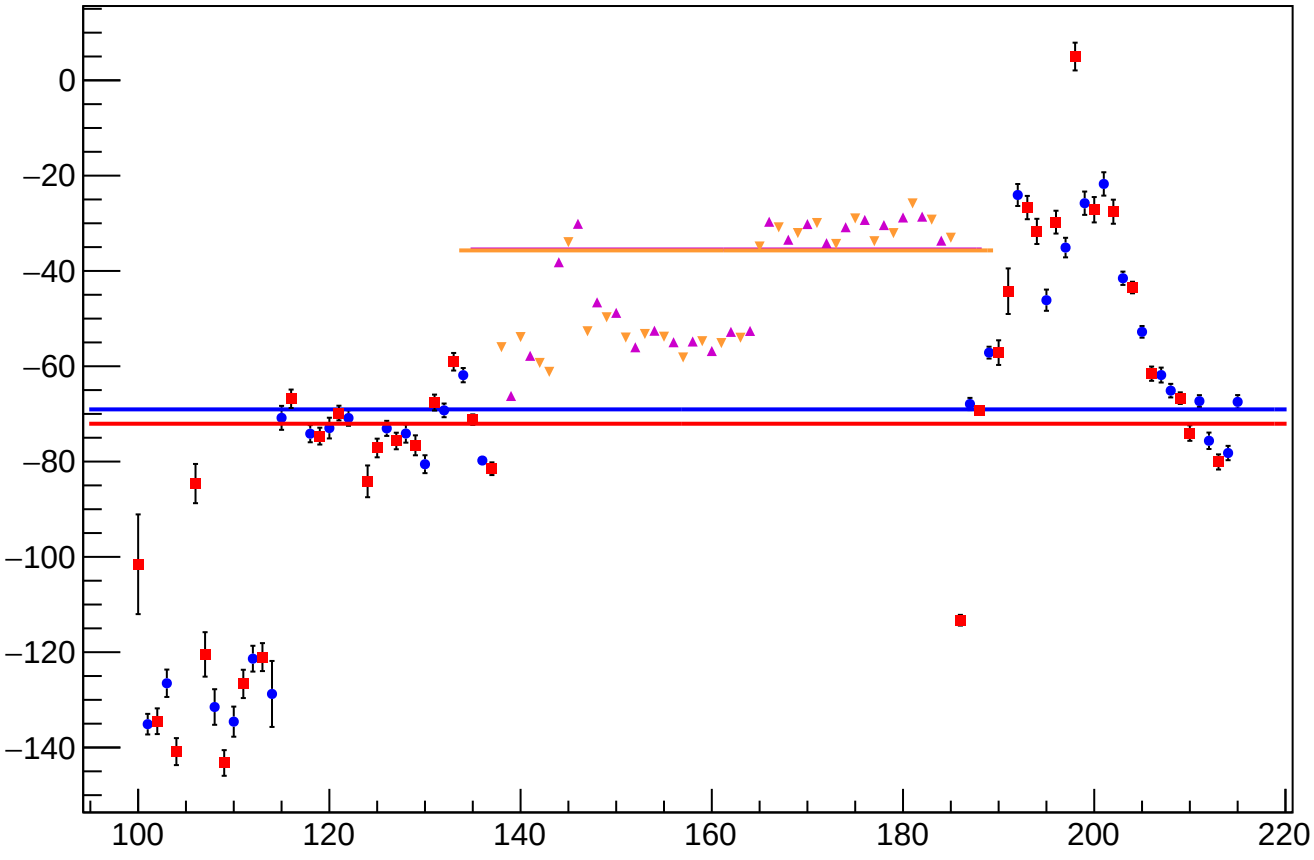
Right: -4.066+/-0.238 χ^2/NDF: 8262.2/64

In: 6.456+/-0.074 χ^2/NDF:6954.2/53

Out: 6.768+/-0.073 χ^2/NDF:5829.3/58

All: 6.614+/-0.052 χ^2/NDF: 12792.5/112

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -69.050+/-0.289 χ^2/NDF: 5010.8/30

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.061+/-0.296 χ^2/NDF: 6976.1/33

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

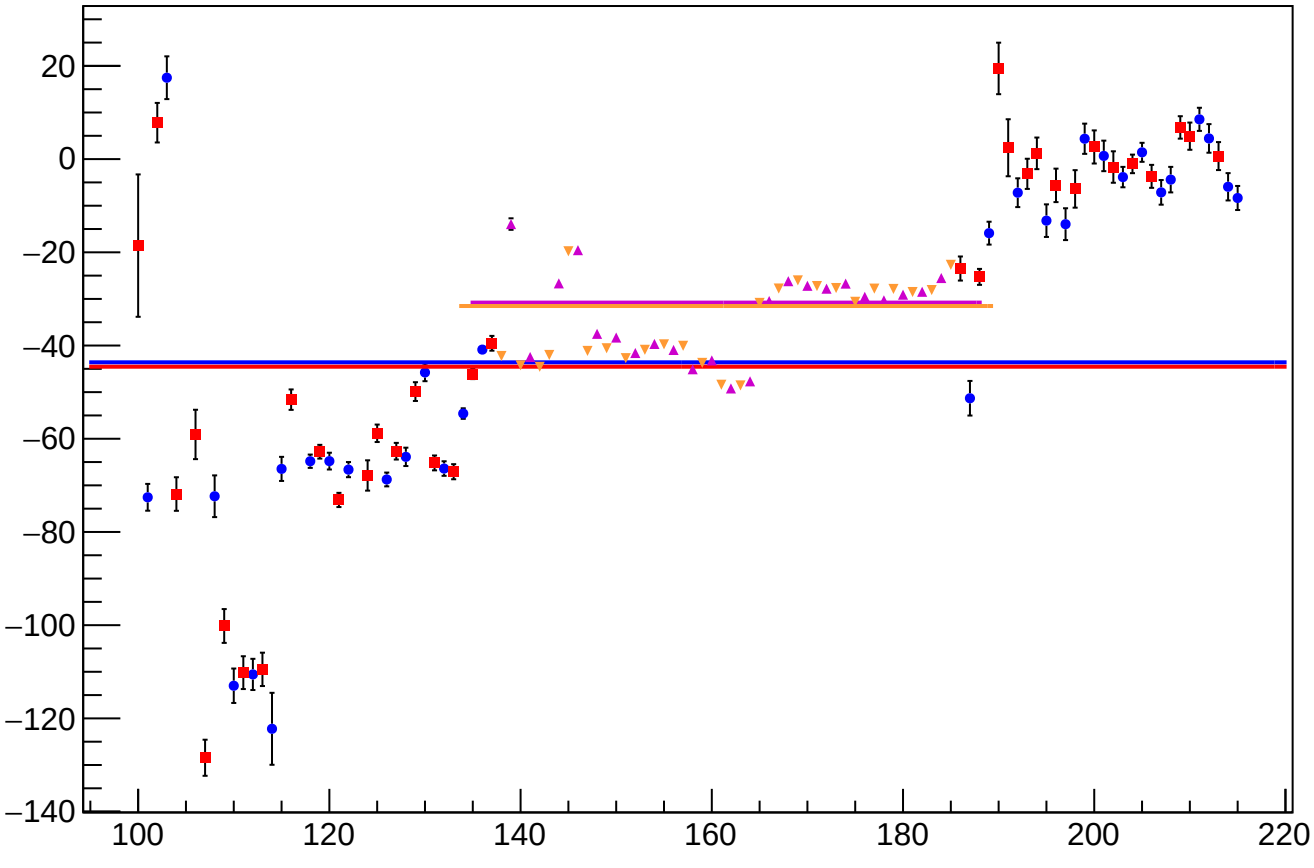
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -70.522+/-0.207 χ^2/NDF: 12040.0/64

In: -38.741+/-0.090 χ^2/NDF:28338.0/53

Out: -38.916+/-0.088 χ^2/NDF:33545.6/58

All: -38.830+/-0.063 χ^2/NDF: 61885.6/112



Right In: -43.602+/-0.366 χ^2/NDF: 5605.9/30

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -44.542+/-0.396 χ^2/NDF: 5707.5/33

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

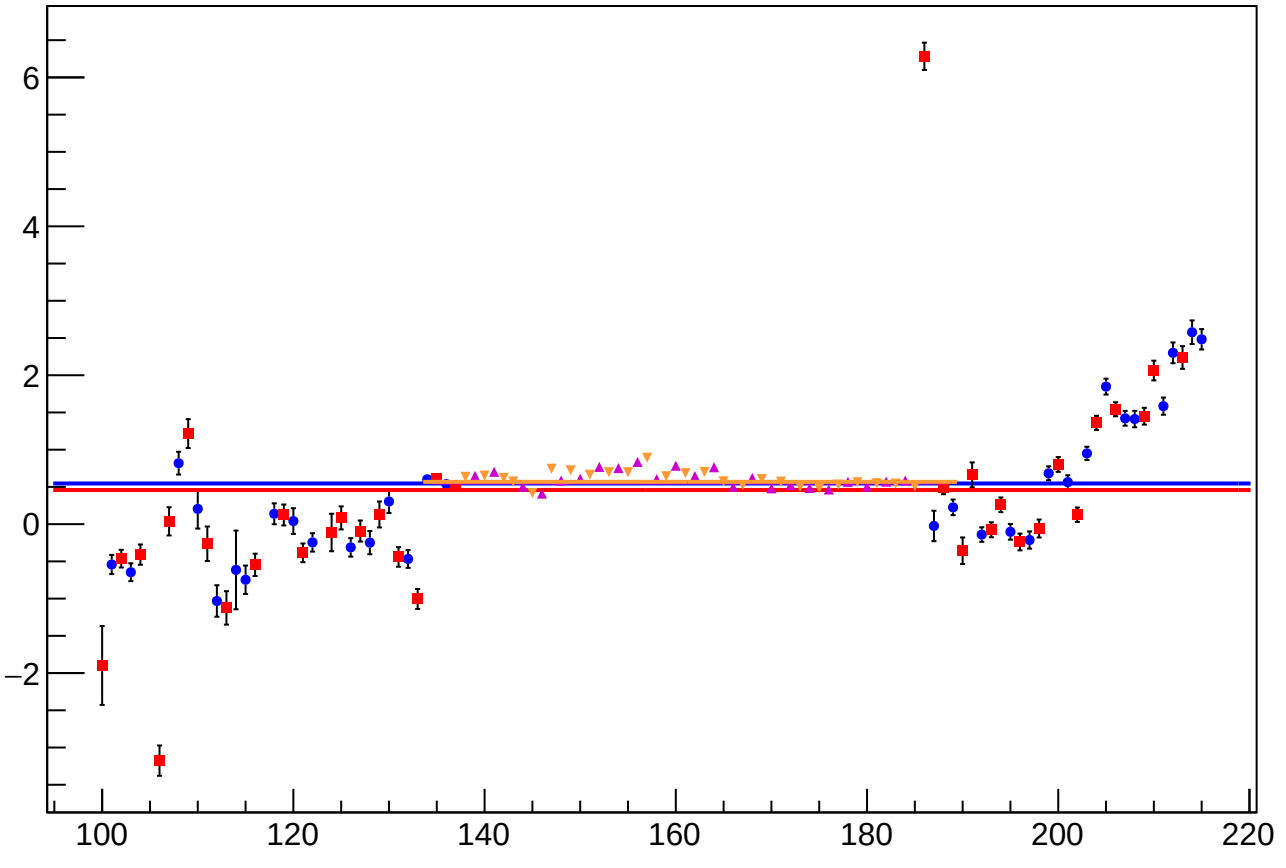
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -44.035+/-0.269 χ^2/NDF: 11316.5/64

In: -31.435+/-0.082 χ^2/NDF:14320.4/53

Out: -32.066+/-0.081 χ^2/NDF:15202.4/58

All: -31.755+/-0.058 χ^2/NDF: 29552.6/112



Right In: 0.546+/-0.018 χ^2/NDF: 1548.2/30

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.458+/-0.020 χ^2/NDF: 2558.5/33

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

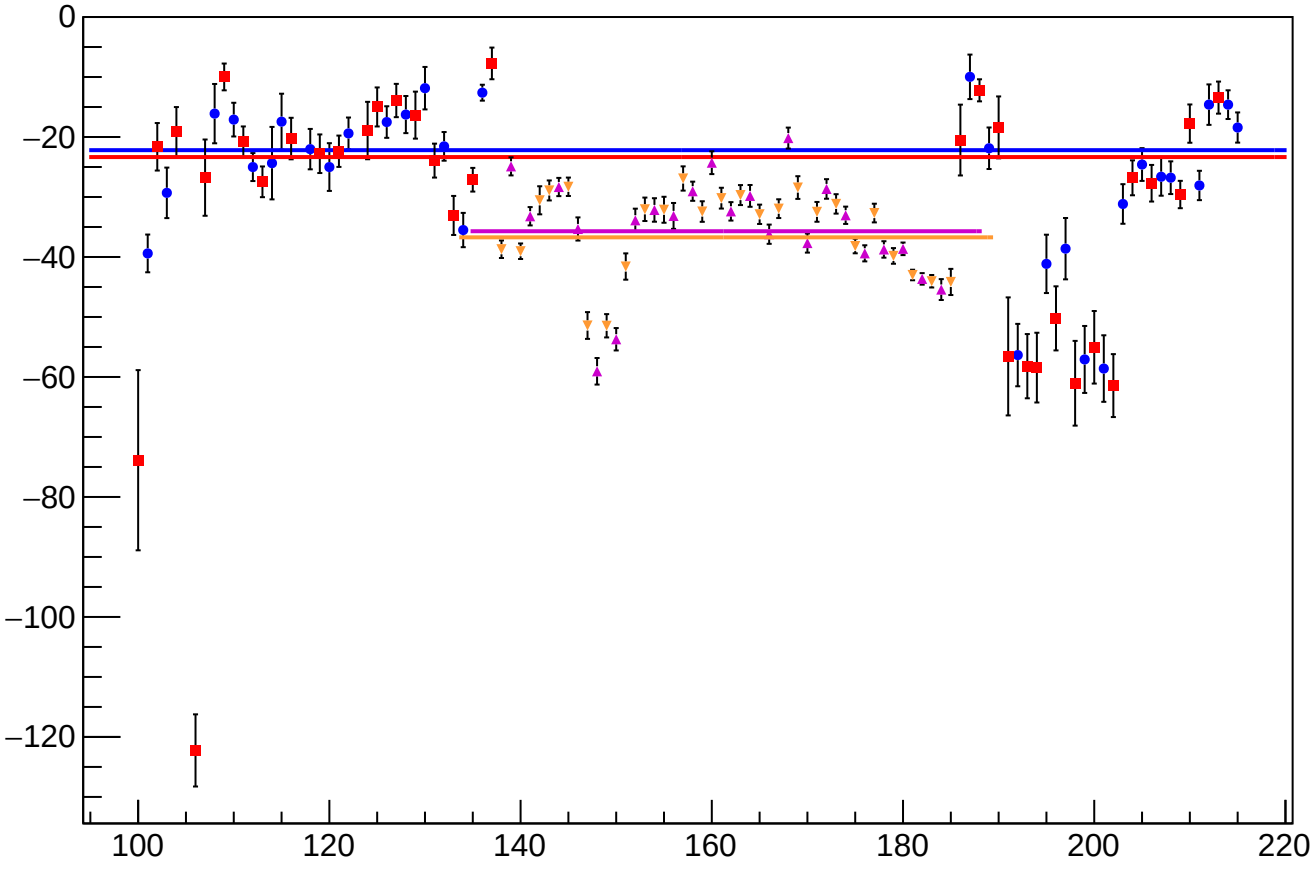
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.506+/-0.013 χ^2/NDF: 4117.7/64

In: 0.559+/-0.004 χ^2/NDF:2220.2/53

Out: 0.564+/-0.004 χ^2/NDF:3143.6/58

All: 0.562+/-0.003 χ^2/NDF: 5364.8/112



Right In: -22.194+/-0.538 χ^2/NDF: 328.9/30

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.344+/-0.561 χ^2/NDF: 683.2/33

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

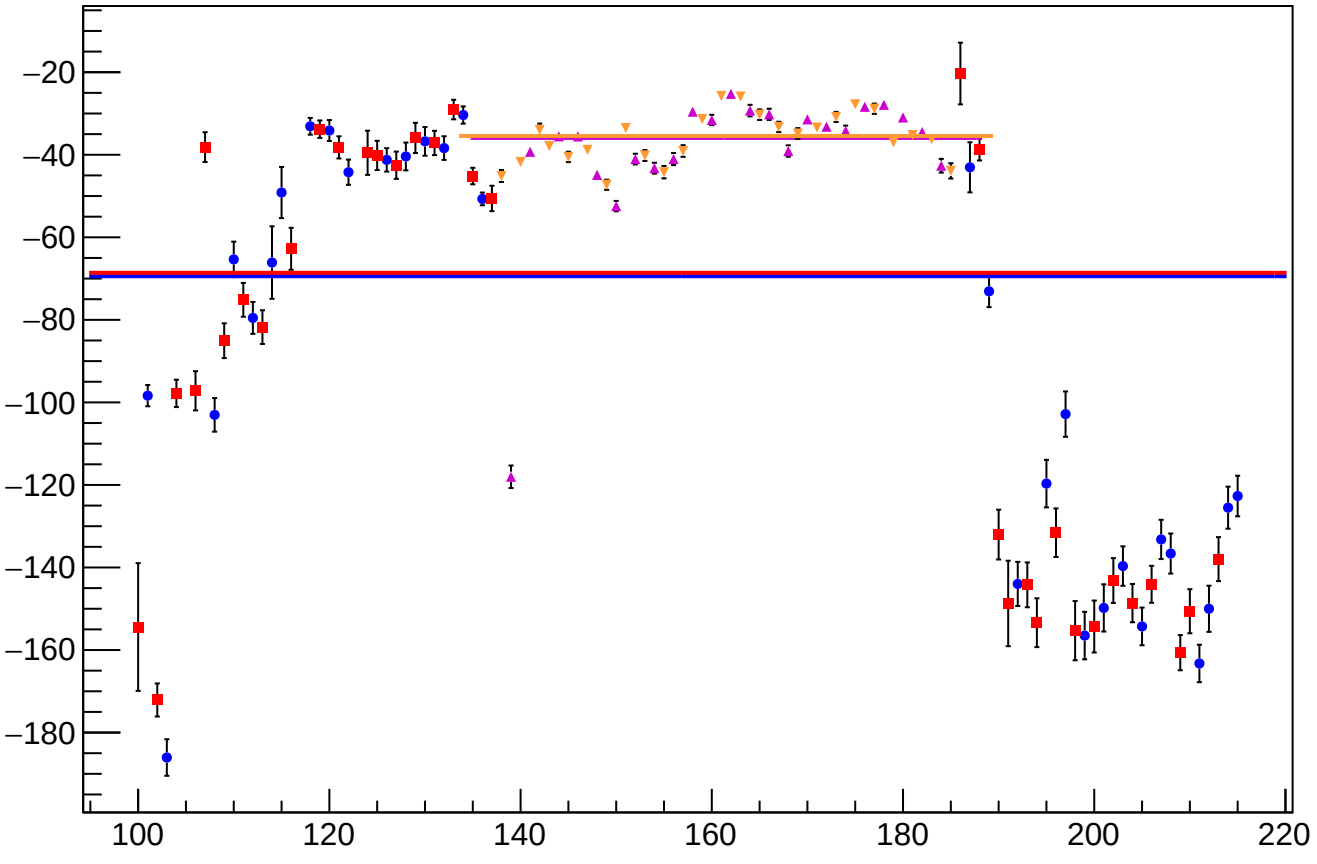
Right: -22.744+/-0.388 χ^2/NDF: 1014.3/64

In: -32.121+/-0.277 χ^2/NDF:1371.4/53

Out: -33.593+/-0.271 χ^2/NDF:1539.4/58

All: -32.872+/-0.194 χ^2/NDF: 2925.1/112

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -69.429+/-0.622 χ^2/NDF: 4924.3/30

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -68.599+/-0.648 χ^2/NDF: 4940.7/33

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

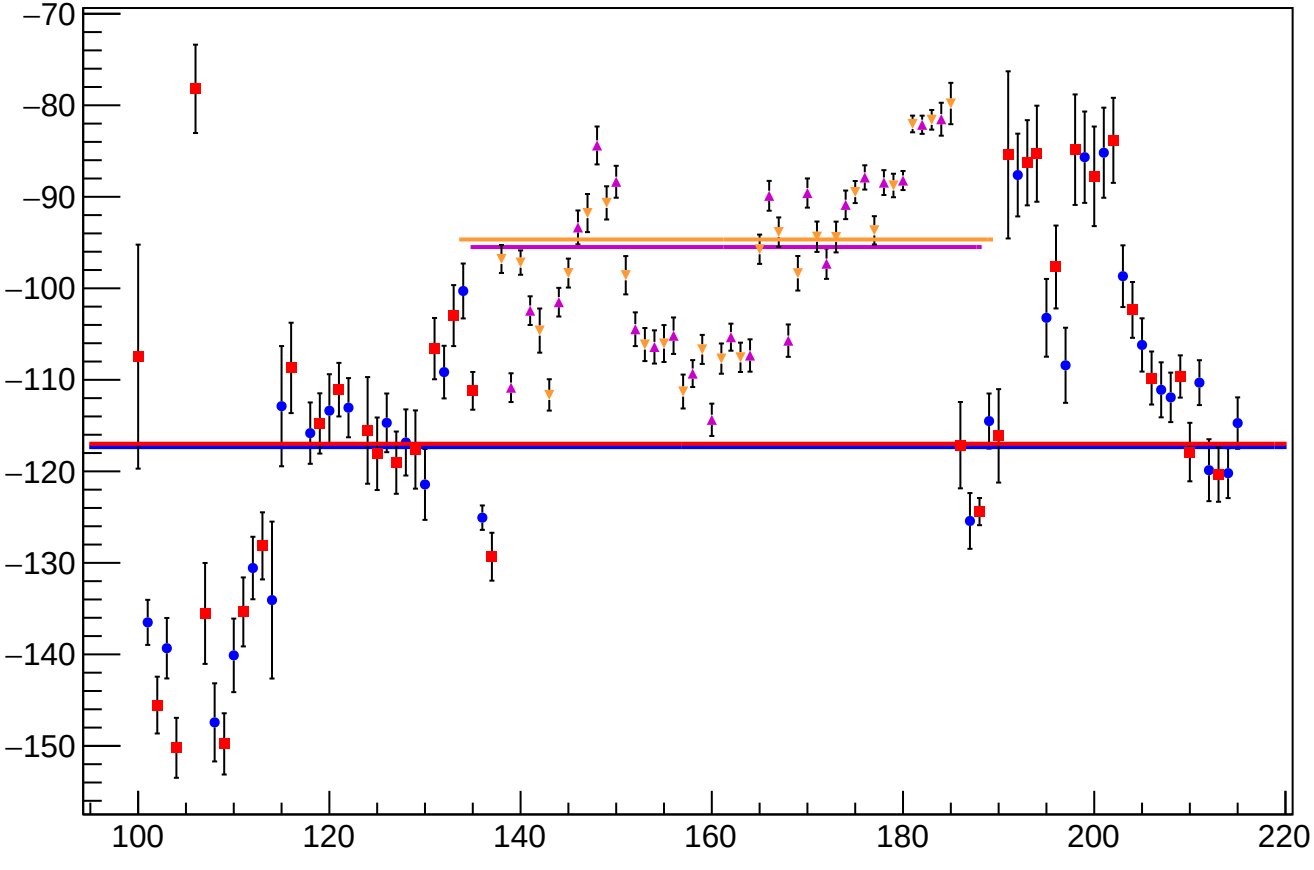
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -69.032+/-0.449 χ^2/NDF: 9865.9/64

In: -40.777+/-0.237 χ^2/NDF:8952.3/53

Out: -39.580+/-0.229 χ^2/NDF:7766.7/58

All: -40.159+/-0.165 χ^2/NDF: 16732.1/112



Right In: -117.352+/-0.558 χ^2/NDF: 498.8/30

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -116.980+/-0.580 χ^2/NDF: 742.2/33

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

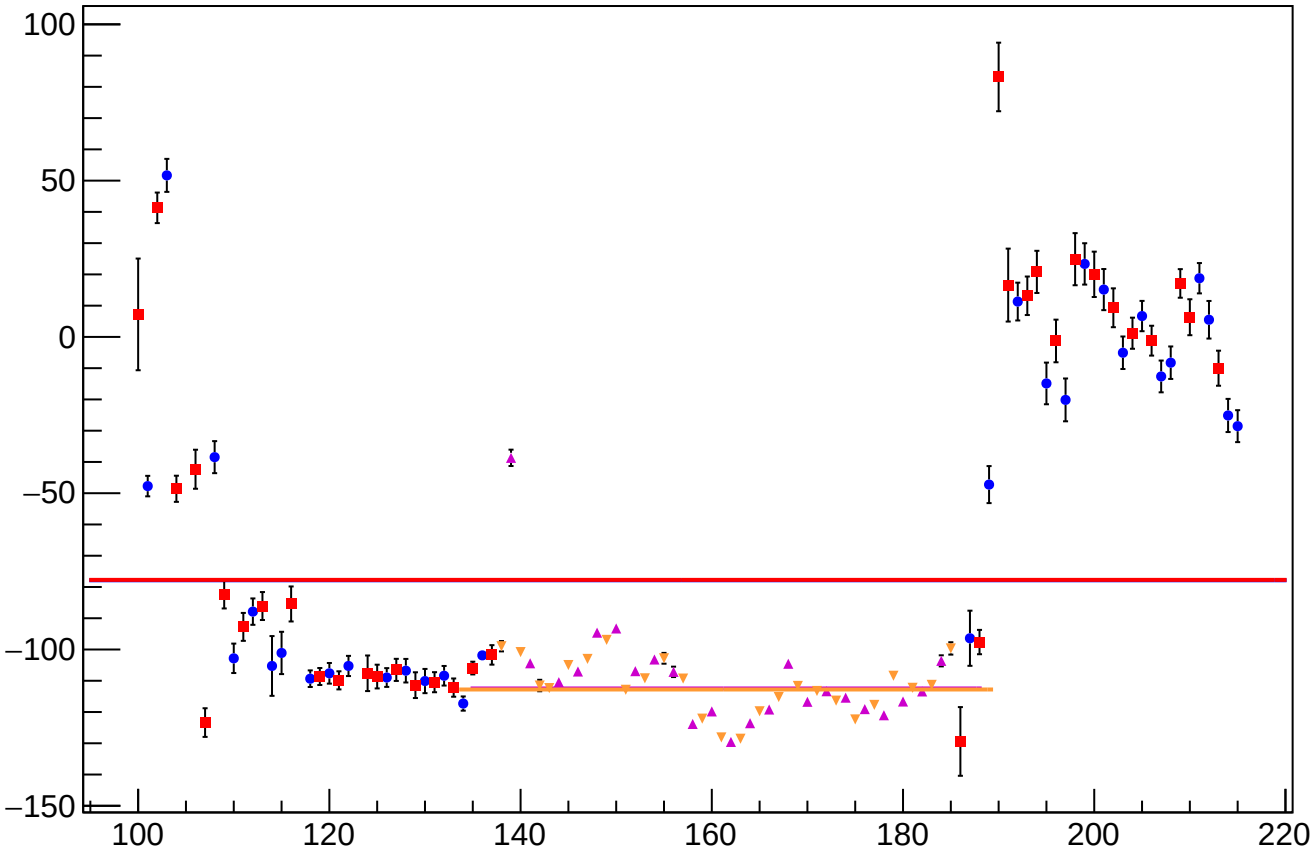
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.174+/-0.402 χ^2/NDF: 1241.2/64

In: -100.927+/-0.278 χ^2/NDF:2621.3/53

Out: -99.617+/-0.273 χ^2/NDF:2794.1/58

All: -100.260+/-0.195 χ^2/NDF: 5426.8/112



Right In: -77.854+/-0.699 χ^2/NDF: 4431.5/30

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -77.725+/-0.741 χ^2/NDF: 4499.5/33

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

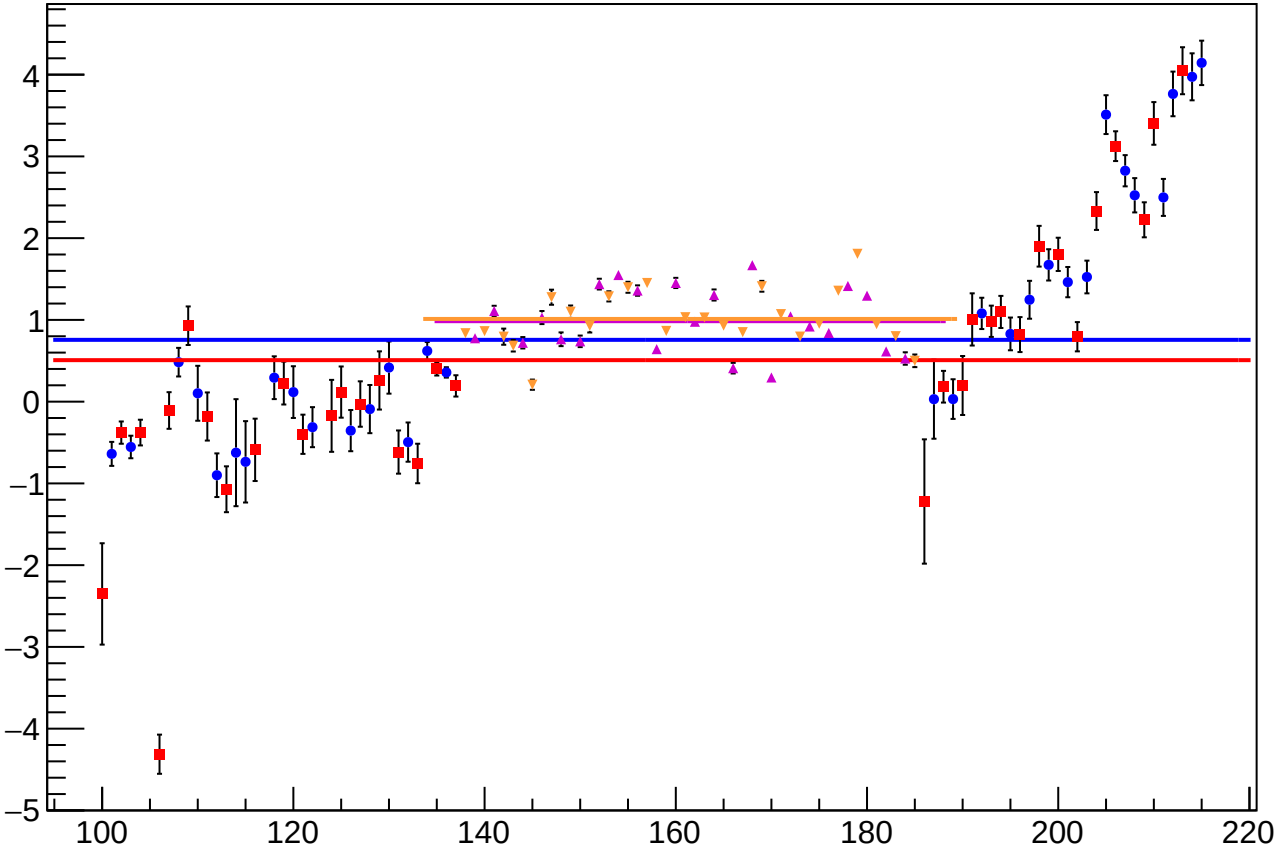
Right: -77.793+/-0.508 χ^2/NDF: 8931.0/64

In: -107.534+/-0.264 χ^2/NDF:8323.9/53

Out: -108.575+/-0.257 χ^2/NDF:7406.2/58

All: -108.068+/-0.184 χ^2/NDF: 15738.0/112

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.756+/-0.034 χ^2/NDF: 1217.4/30

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.508+/-0.036 χ^2/NDF: 1343.7/33

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

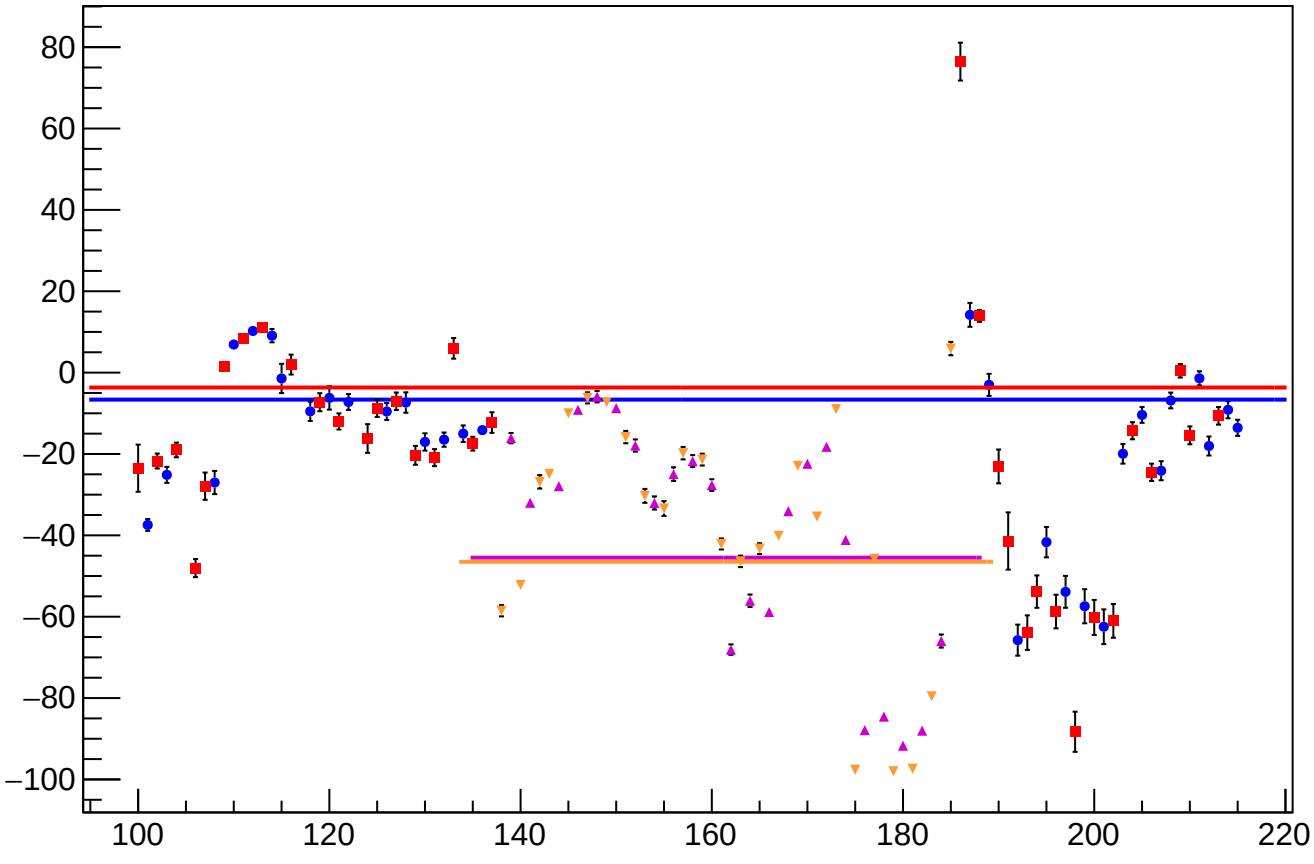
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.639+/-0.024 χ^2/NDF: 2586.8/64

In: 0.956+/-0.012 χ^2/NDF:2158.0/53

Out: 0.959+/-0.012 χ^2/NDF:2213.5/58

All: 0.957+/-0.008 χ^2/NDF: 4371.5/112



Right In: -6.636+/-0.325 χ^2/NDF: 2576.8/30

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.664+/-0.303 χ^2/NDF: 3419.9/33

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

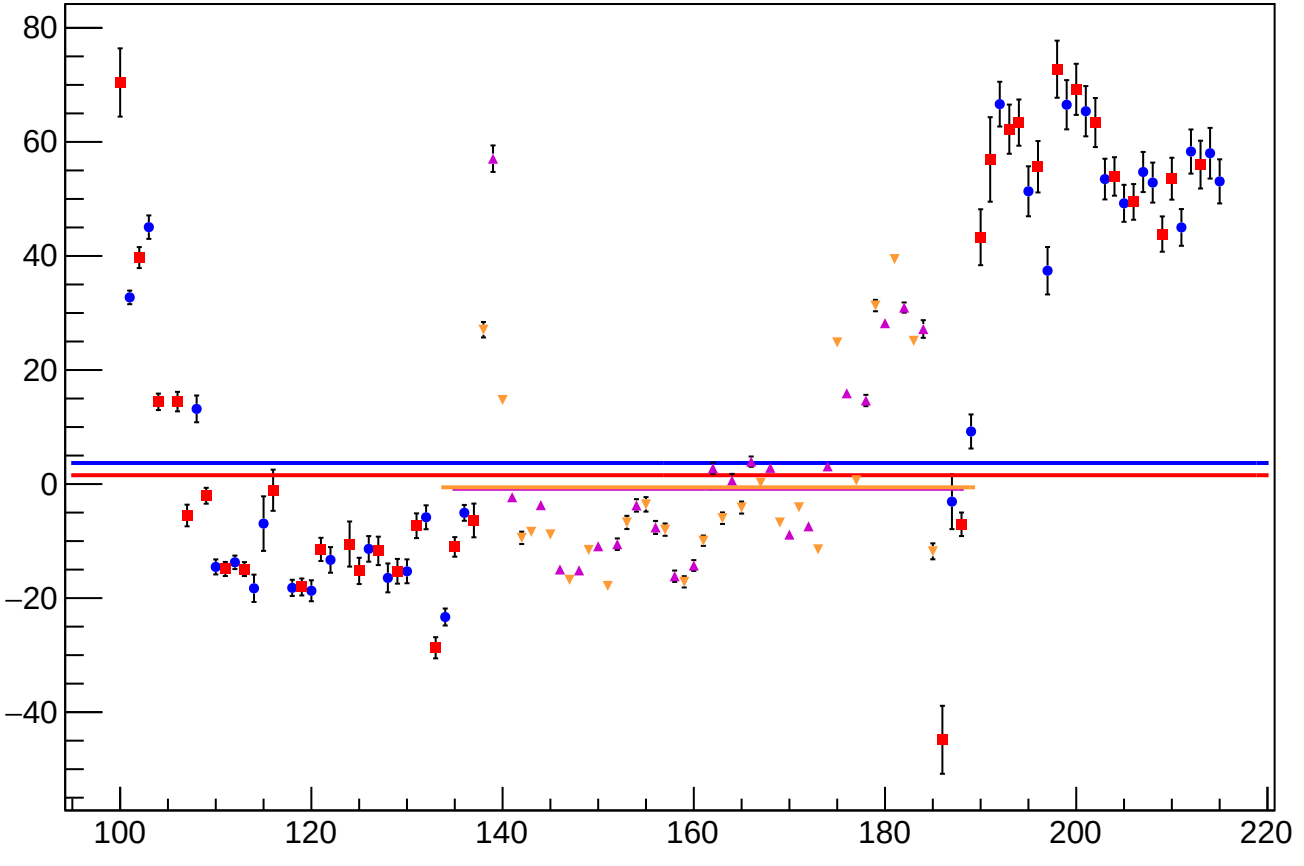
Right: -5.048+/-0.221 χ^2/NDF: 6041.4/64

In: -31.922+/-0.192 χ^2/NDF:27476.1/53

Out: -30.829+/-0.183 χ^2/NDF:36139.2/58

All: -31.351+/-0.132 χ^2/NDF: 63632.3/112

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.698+/-0.394 χ^2/NDF: 4858.4/30

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 1.552+/-0.387 χ^2/NDF: 4236.9/33

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

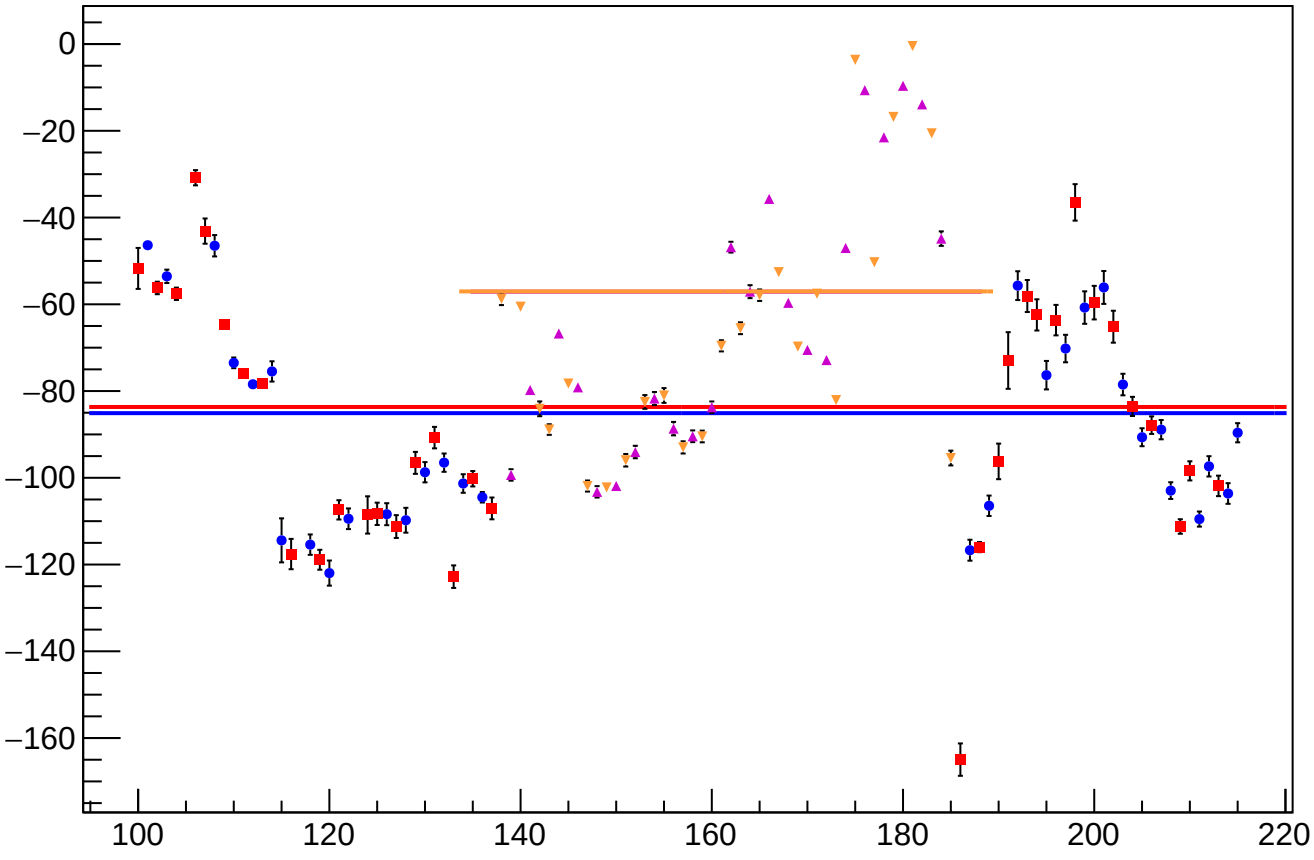
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 2.606+/-0.276 χ^2/NDF: 9110.3/64

In: -0.025+/-0.166 χ^2/NDF:11083.4/53

Out: -0.204+/-0.161 χ^2/NDF:12713.2/58

All: -0.117+/-0.116 χ^2/NDF: 23797.3/112



Right In: -85.096+/-0.359 χ^2/NDF: 3807.4/30

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.674+/-0.348 χ^2/NDF: 5289.2/33

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

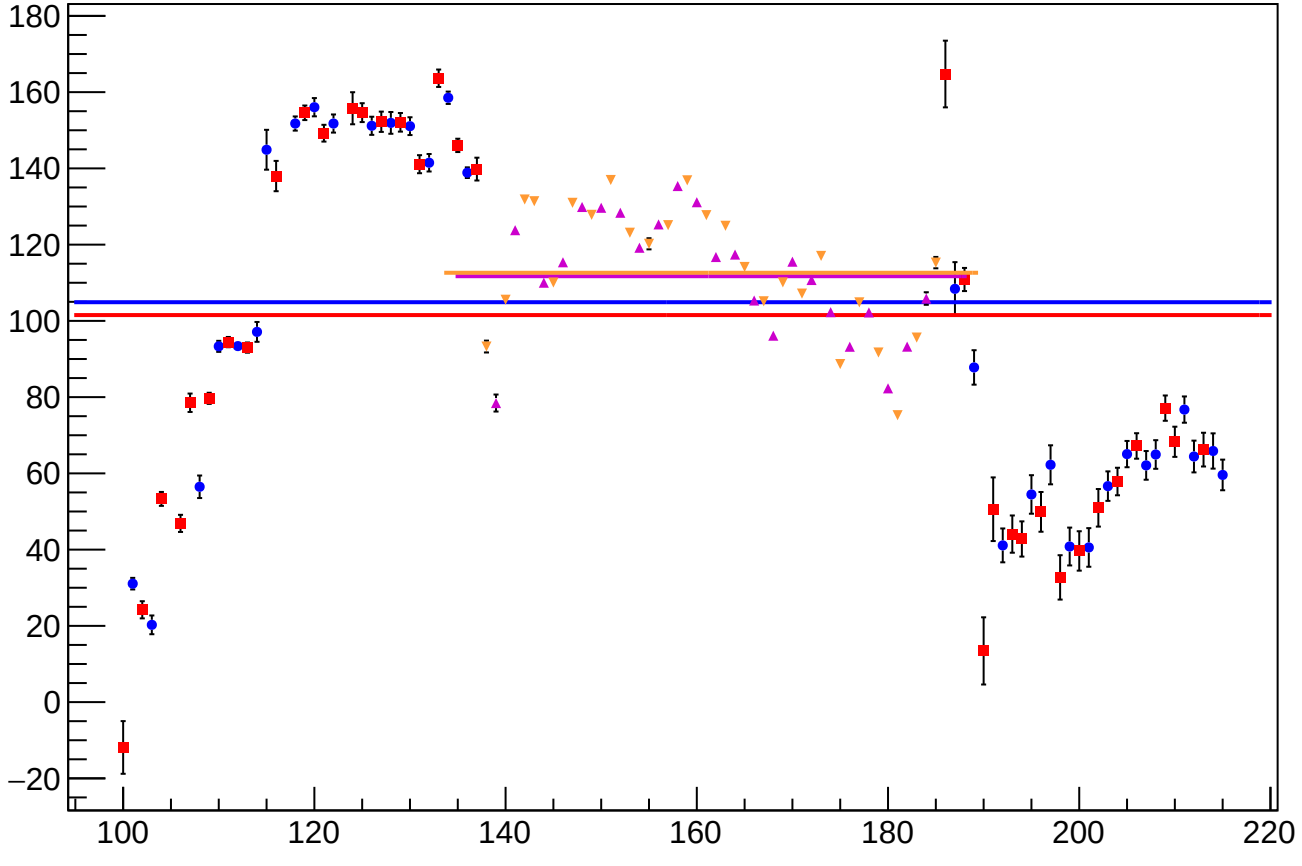
Right: -84.362+/-0.250 χ^2/NDF: 9104.7/64

In: -65.556+/-0.198 χ^2/NDF:25210.2/53

Out: -65.124+/-0.192 χ^2/NDF:29680.2/58

All: -65.333+/-0.138 χ^2/NDF: 54892.9/112

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 104.899+/-0.447 χ^2/NDF: 10097.3/30

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 101.524+/-0.443 χ^2/NDF: 9125.1/33

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

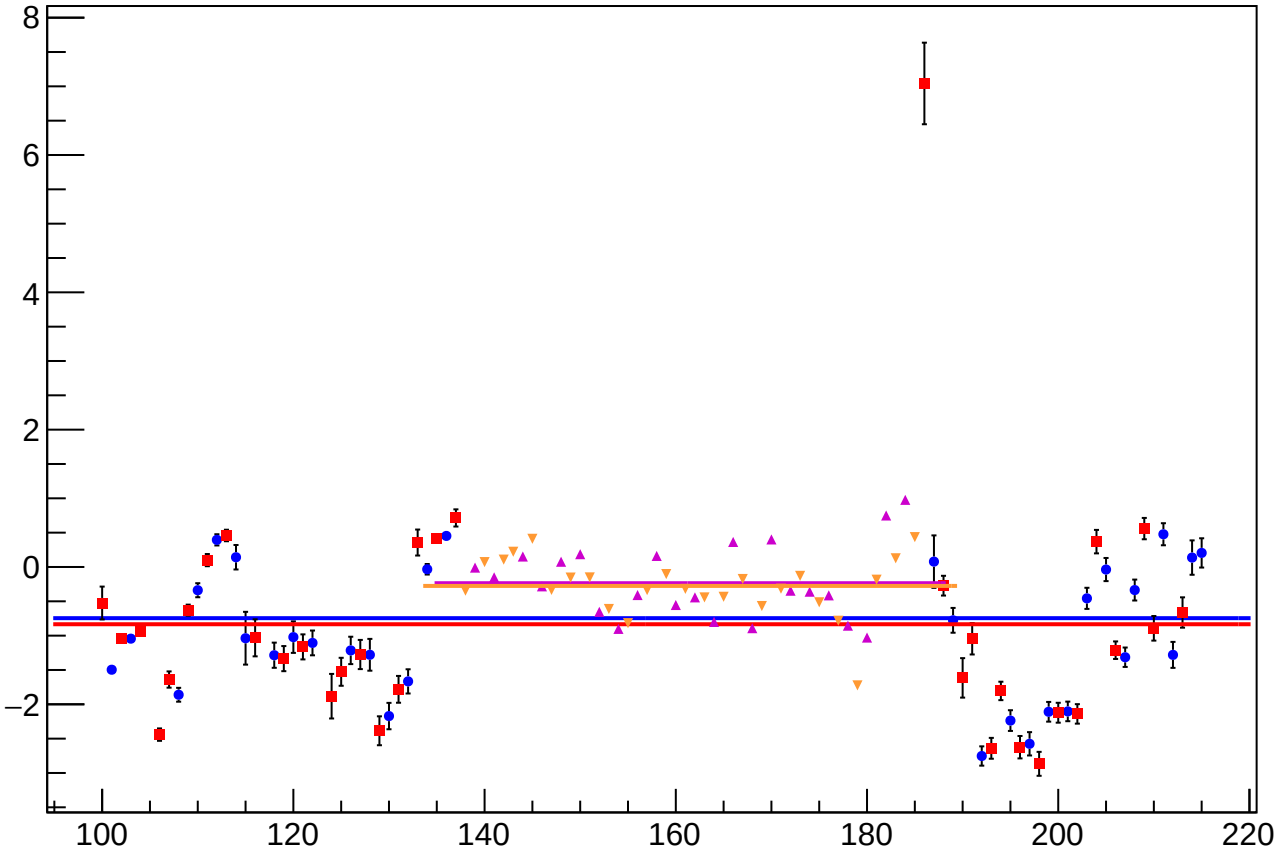
Right: 103.194+/-0.315 χ^2/NDF: 19251.2/64

In: 110.525+/-0.187 χ^2/NDF:15186.1/53

Out: 110.743+/-0.182 χ^2/NDF:16355.7/58

All: 110.637+/-0.131 χ^2/NDF: 31542.4/112

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.022 χ^2/NDF: 1890.2/30

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.834+/-0.022 χ^2/NDF: 2317.4/33

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

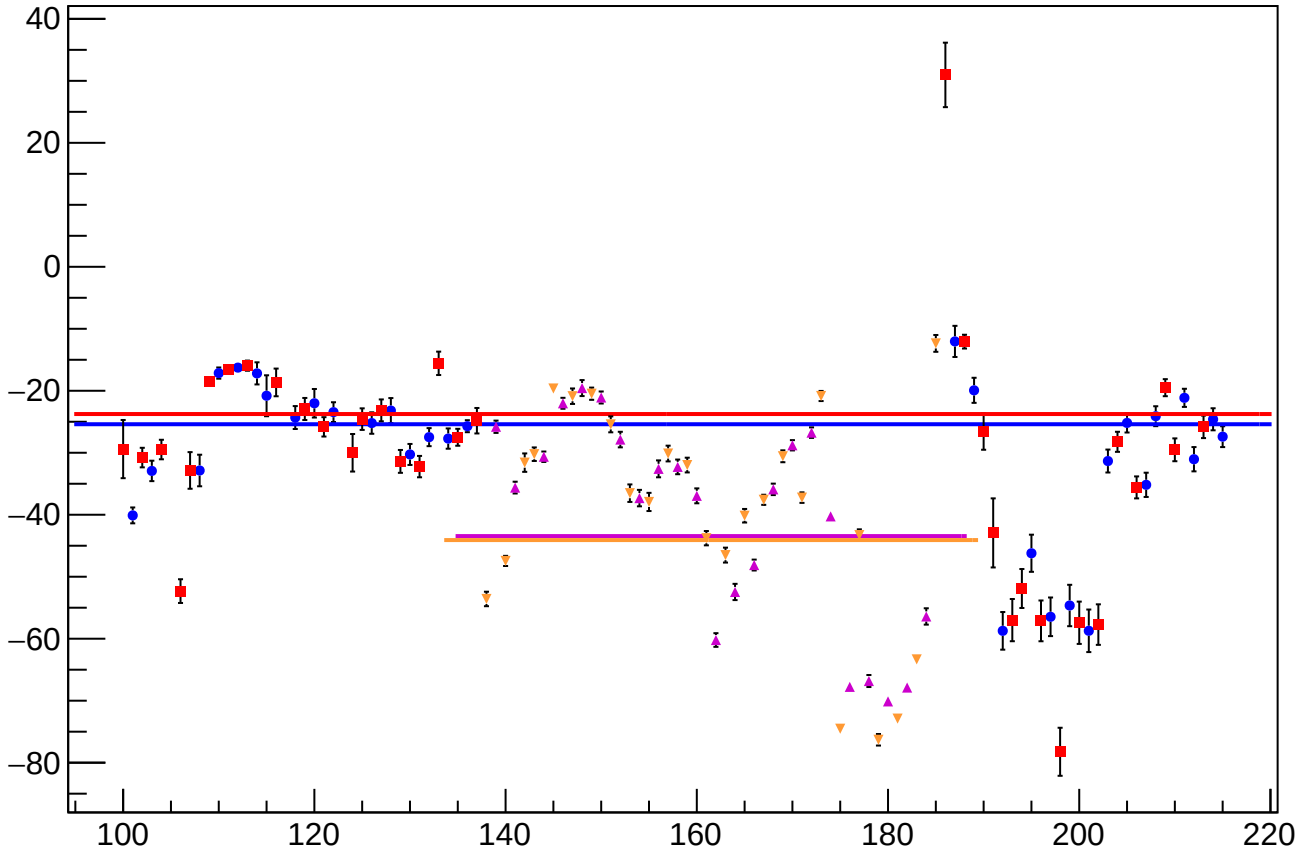
Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

Right: -0.790+/-0.016 χ^2/NDF: 4215.8/64

In: -0.311+/-0.008 χ^2/NDF:5303.0/53

Out: -0.357+/-0.008 χ^2/NDF:5001.6/58

All: -0.335+/-0.006 χ^2/NDF: 10319.4/112



Right In: -25.399+/-0.290 χ^2/NDF: 962.1/30

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.754+/-0.277 χ^2/NDF: 1558.7/33

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

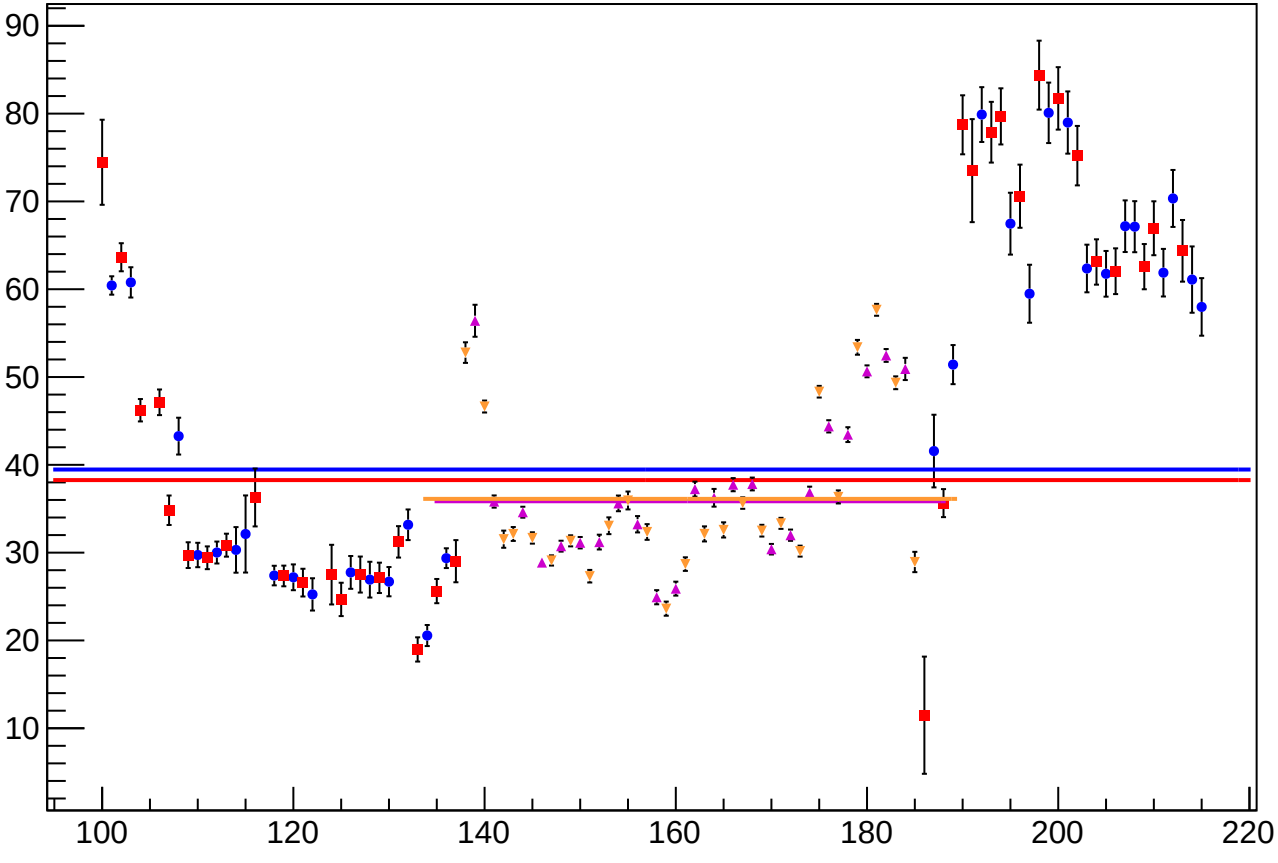
Right: -24.540+/-0.200 χ^2/NDF: 2537.6/64

In: -37.674+/-0.164 χ^2/NDF:11419.2/53

Out: -37.451+/-0.158 χ^2/NDF:15520.7/58

All: -37.559+/-0.114 χ^2/NDF: 26940.9/112

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 39.466+/-0.339 χ^2/NDF: 2511.6/30

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.263+/-0.336 χ^2/NDF: 2475.0/33

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

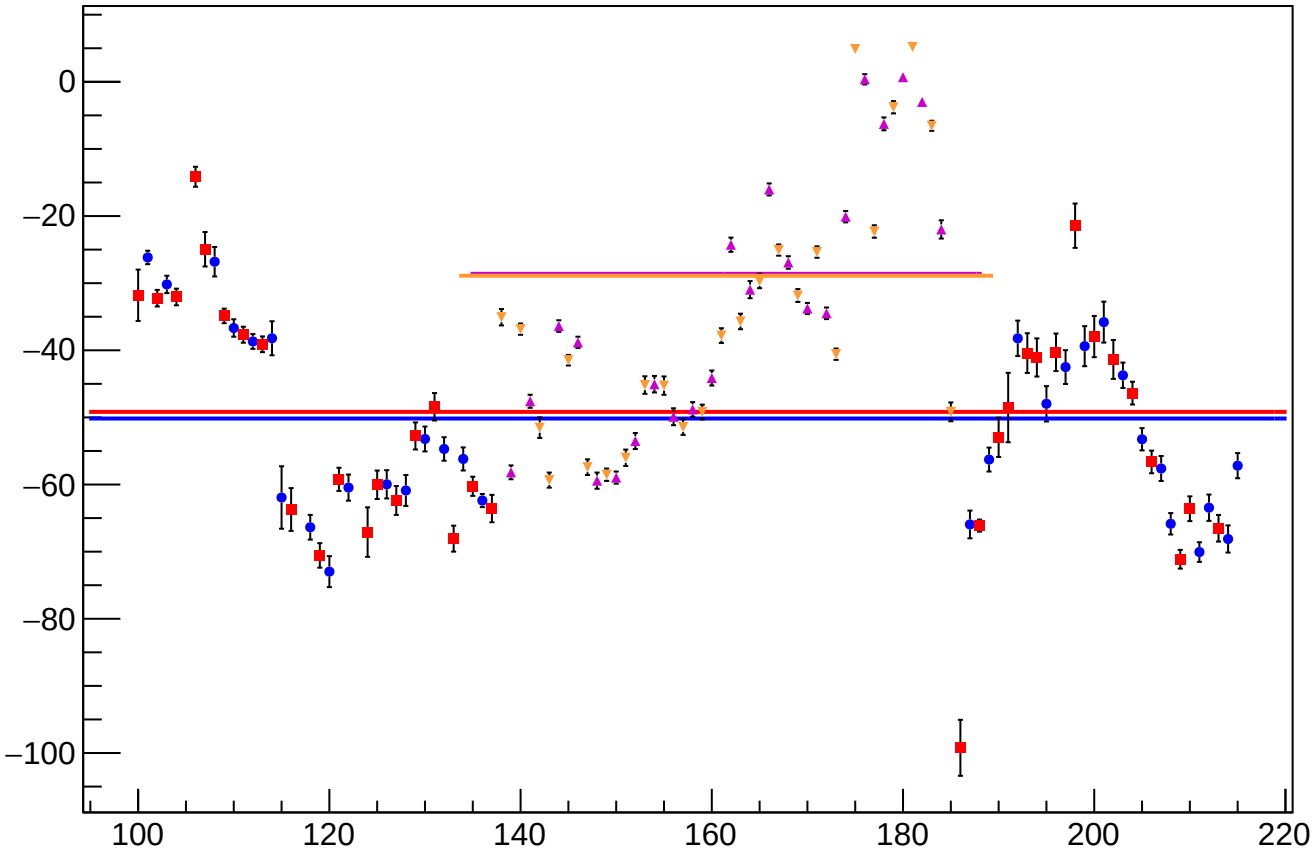
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 38.859+/-0.239 χ^2/NDF: 4993.0/64

In: 36.477+/-0.141 χ^2/NDF:4899.2/53

Out: 36.479+/-0.137 χ^2/NDF:6067.4/58

All: 36.478+/-0.098 χ^2/NDF: 10966.6/112



Right In: -50.166+/-0.311 χ^2/NDF: 2181.4/30

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -49.175+/-0.303 χ^2/NDF: 2897.5/33

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

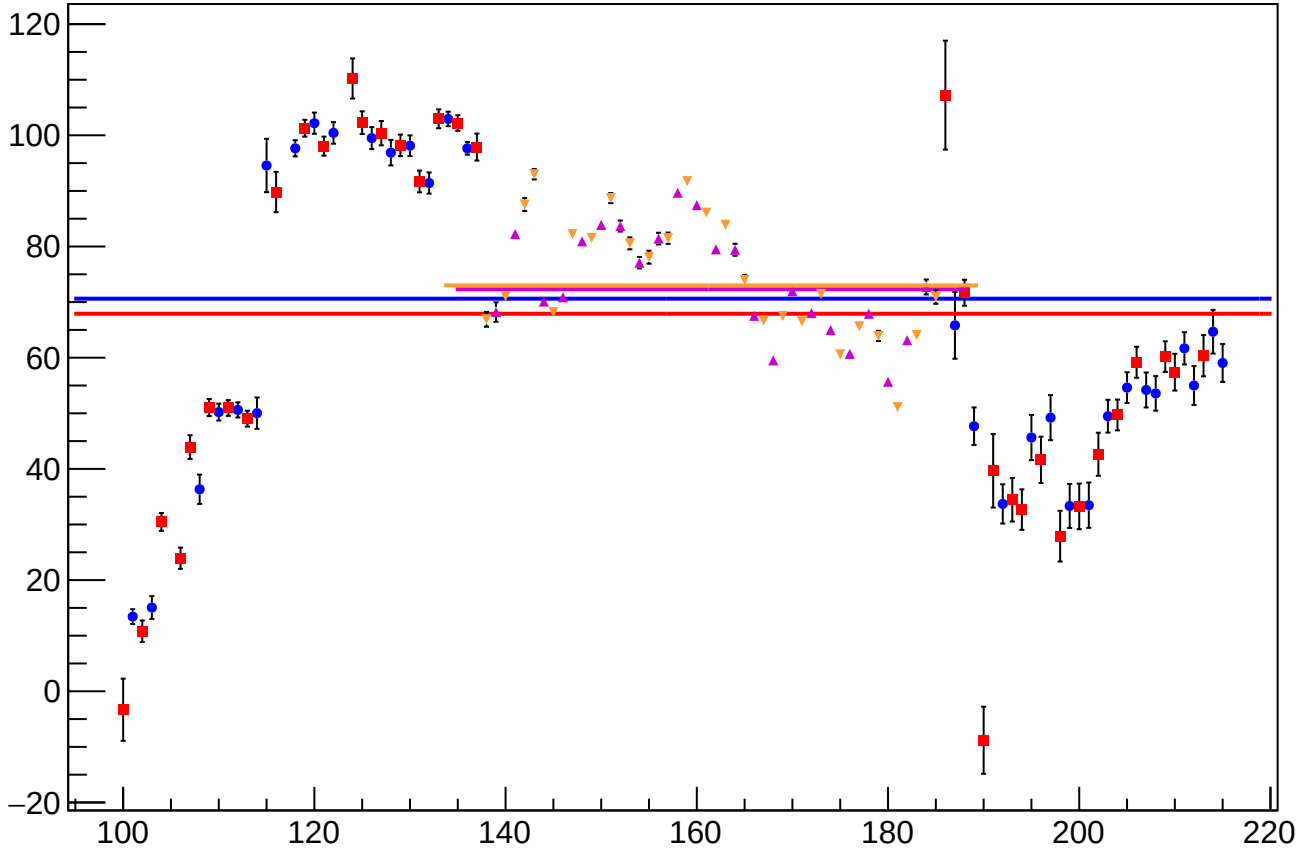
Right: -49.659+/-0.217 χ^2/NDF: 5084.2/64

In: -34.827+/-0.167 χ^2/NDF:15626.5/53

Out: -34.731+/-0.163 χ^2/NDF:17884.0/58

All: -34.778+/-0.116 χ^2/NDF: 33510.6/112

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 70.618+/-0.386 χ^2/NDF: 6514.8/30

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.903+/-0.387 χ^2/NDF: 6368.9/33

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

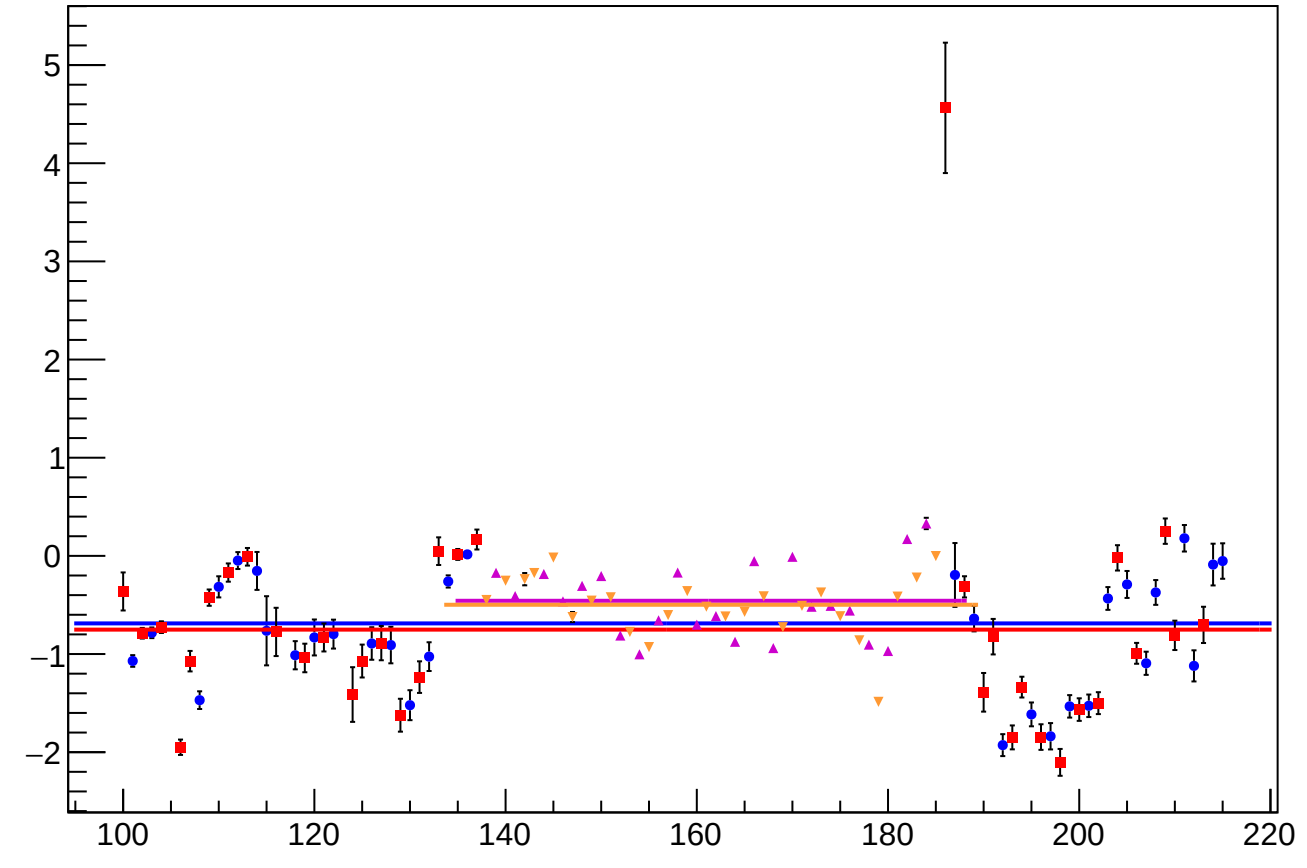
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 69.264+/-0.273 χ^2/NDF: 12908.4/64

In: 72.019+/-0.158 χ^2/NDF:9443.2/53

Out: 72.188+/-0.154 χ^2/NDF:10567.5/58

All: 72.106+/-0.110 χ^2/NDF: 20011.3/112



Right In: -0.688+/-0.019 χ^2/NDF: 990.2/30

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.751+/-0.019 χ^2/NDF: 1290.3/33

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

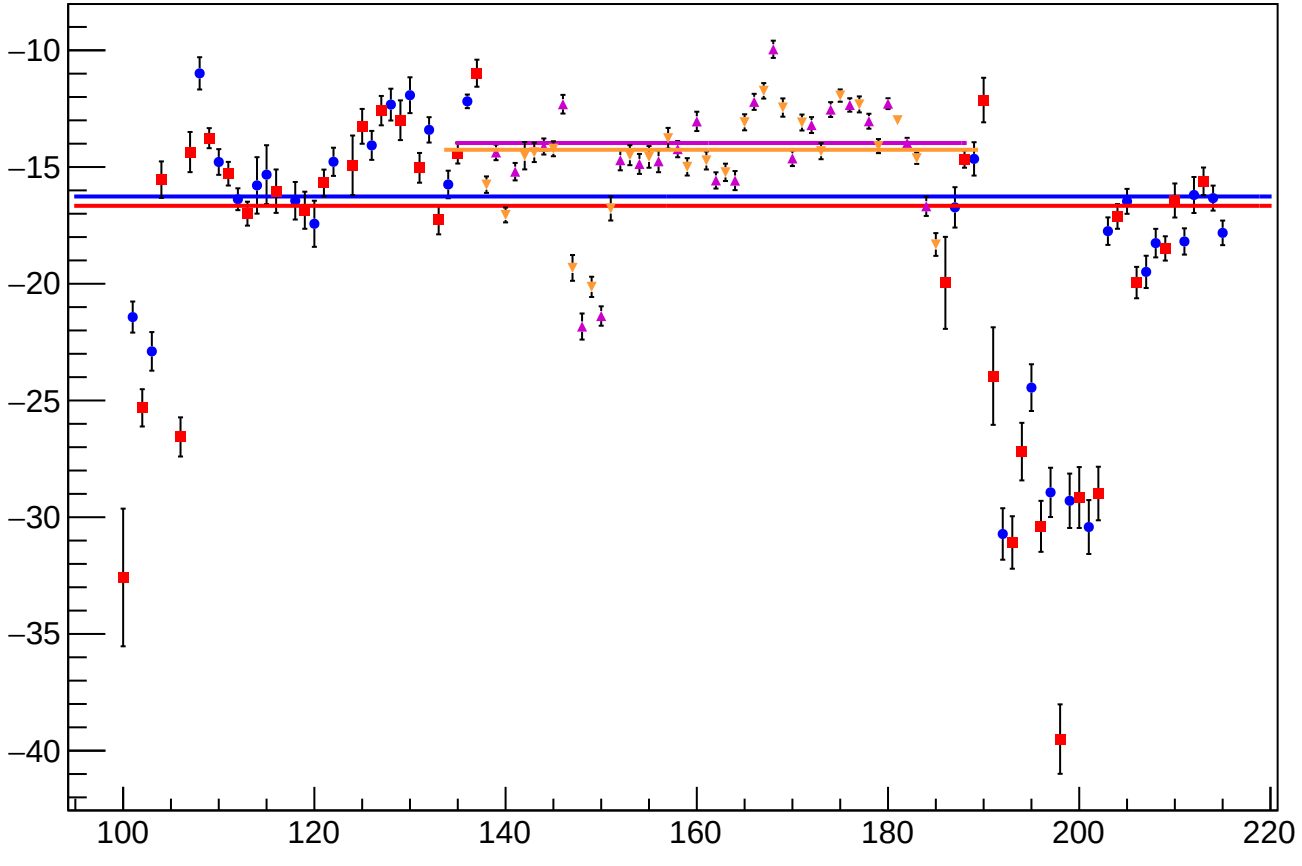
Right: -0.720+/-0.013 χ^2/NDF: 2286.3/64

In: -0.491+/-0.007 χ^2/NDF:3223.1/53

Out: -0.534+/-0.007 χ^2/NDF:2932.2/58

All: -0.513+/-0.005 χ^2/NDF: 6173.9/112

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.262+/-0.115 χ^2/NDF: 1222.9/30

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.661+/-0.118 χ^2/NDF: 1510.4/33

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

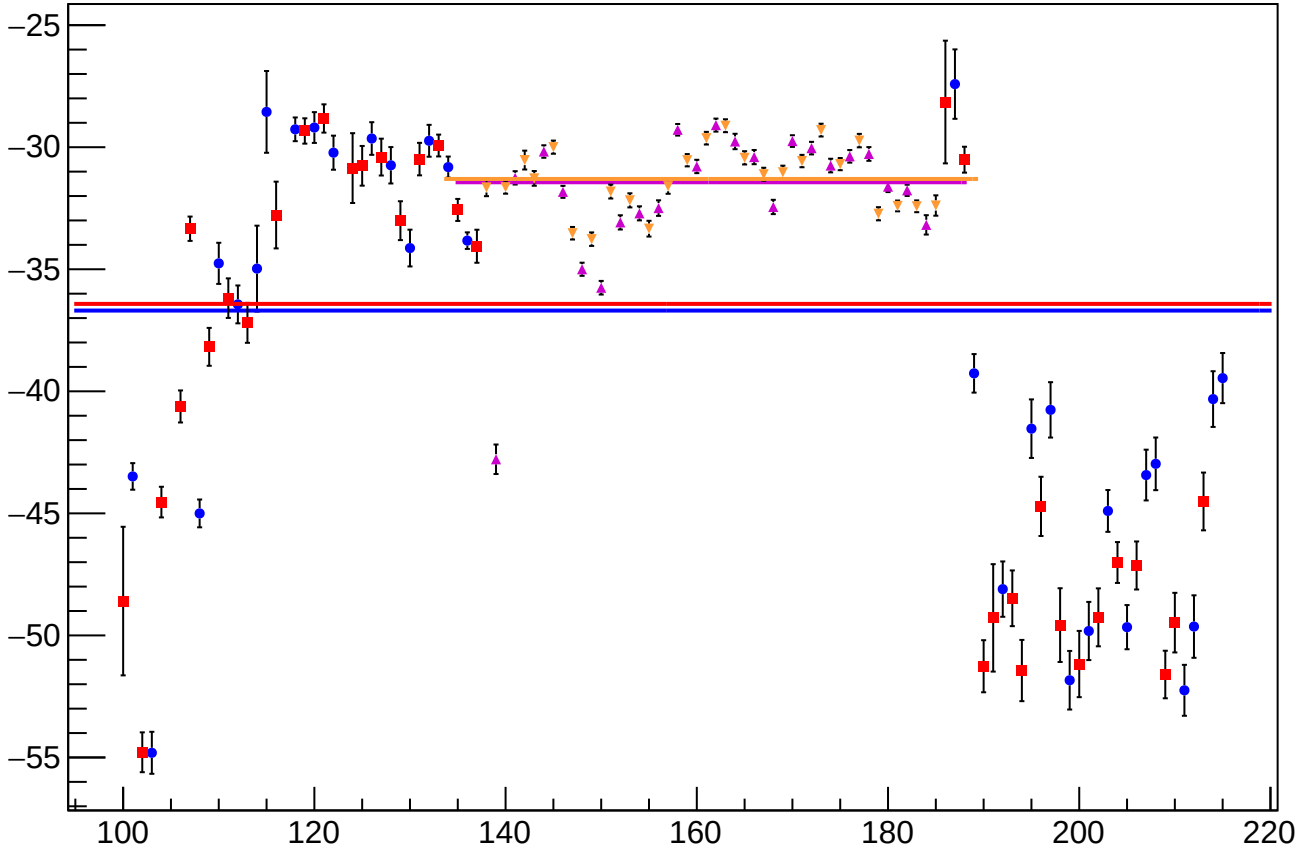
Right: -16.457+/-0.082 χ^2/NDF: 2739.1/64

In: -14.612+/-0.061 χ^2/NDF:2415.4/53

Out: -14.881+/-0.060 χ^2/NDF:2541.0/58

All: -14.749+/-0.043 χ^2/NDF: 4966.2/112

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -36.692+/-0.134 χ^2/NDF: 3039.2/30

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.419+/-0.134 χ^2/NDF: 3318.8/33

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

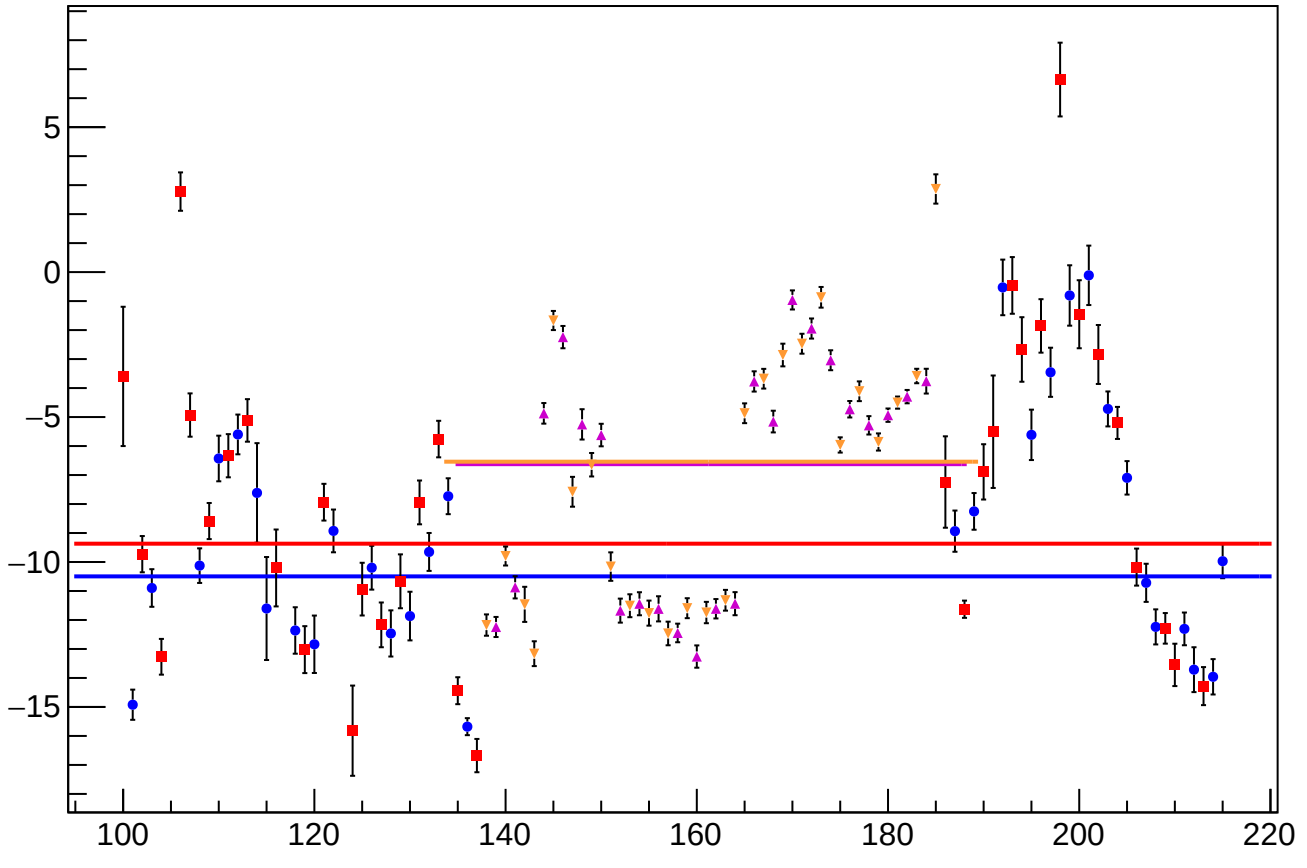
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -36.556+/-0.095 χ^2/NDF: 6360.0/64

In: -32.251+/-0.053 χ^2/NDF:5559.5/53

Out: -32.042+/-0.051 χ^2/NDF:5116.5/58

All: -32.144+/-0.037 χ^2/NDF: 10684.1/112



Right In: -10.496+/-0.119 χ^2/NDF: 1122.7/30

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.368+/-0.121 χ^2/NDF: 1527.2/33

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

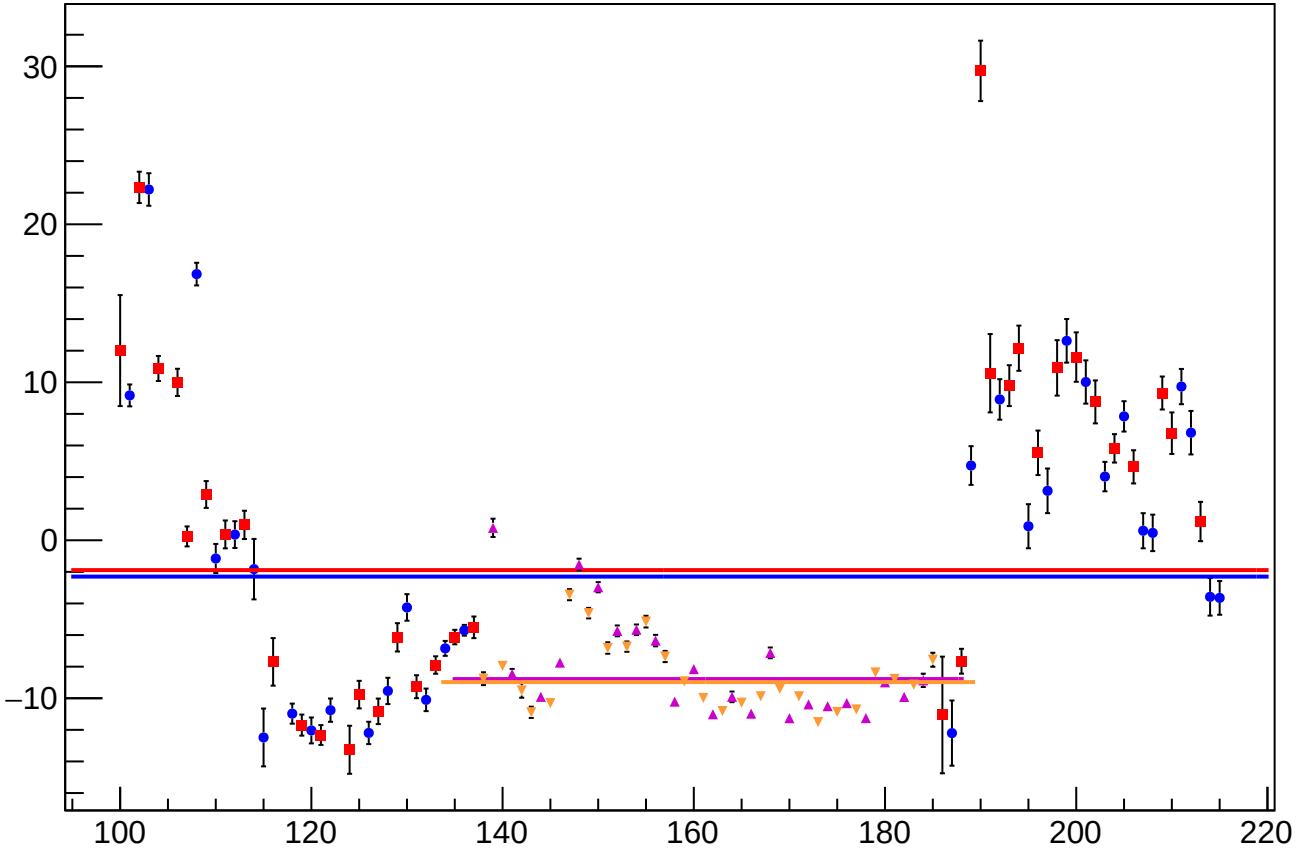
Right: -9.939+/-0.085 χ^2/NDF: 2694.1/64

In: -7.647+/-0.061 χ^2/NDF:4806.3/53

Out: -7.244+/-0.060 χ^2/NDF:5181.8/58

All: -7.442+/-0.043 χ^2/NDF: 10010.1/112

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.299+/-0.151 χ^2/NDF: 3325.6/30

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -1.889+/-0.155 χ^2/NDF: 3276.7/33

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

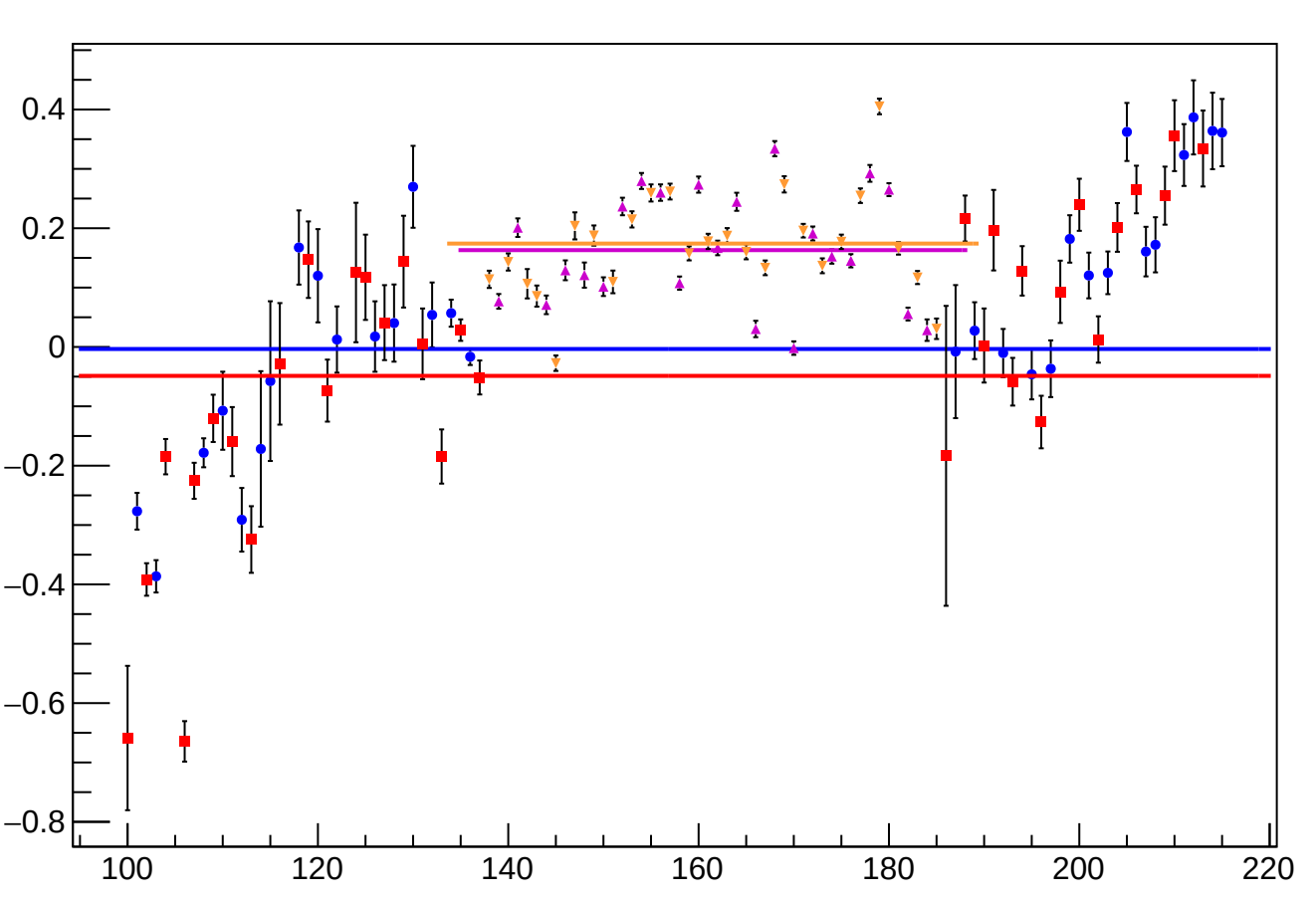
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.100+/-0.108 χ^2/NDF: 6605.9/64

In: -7.808+/-0.058 χ^2/NDF:6587.0/53

Out: -8.016+/-0.057 χ^2/NDF:6053.2/58

All: -7.914+/-0.041 χ^2/NDF: 12646.7/112



Right In: -0.003+/-0.007 χ^2/NDF: 679.8/30

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.049+/-0.007 χ^2/NDF: 1000.8/33

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

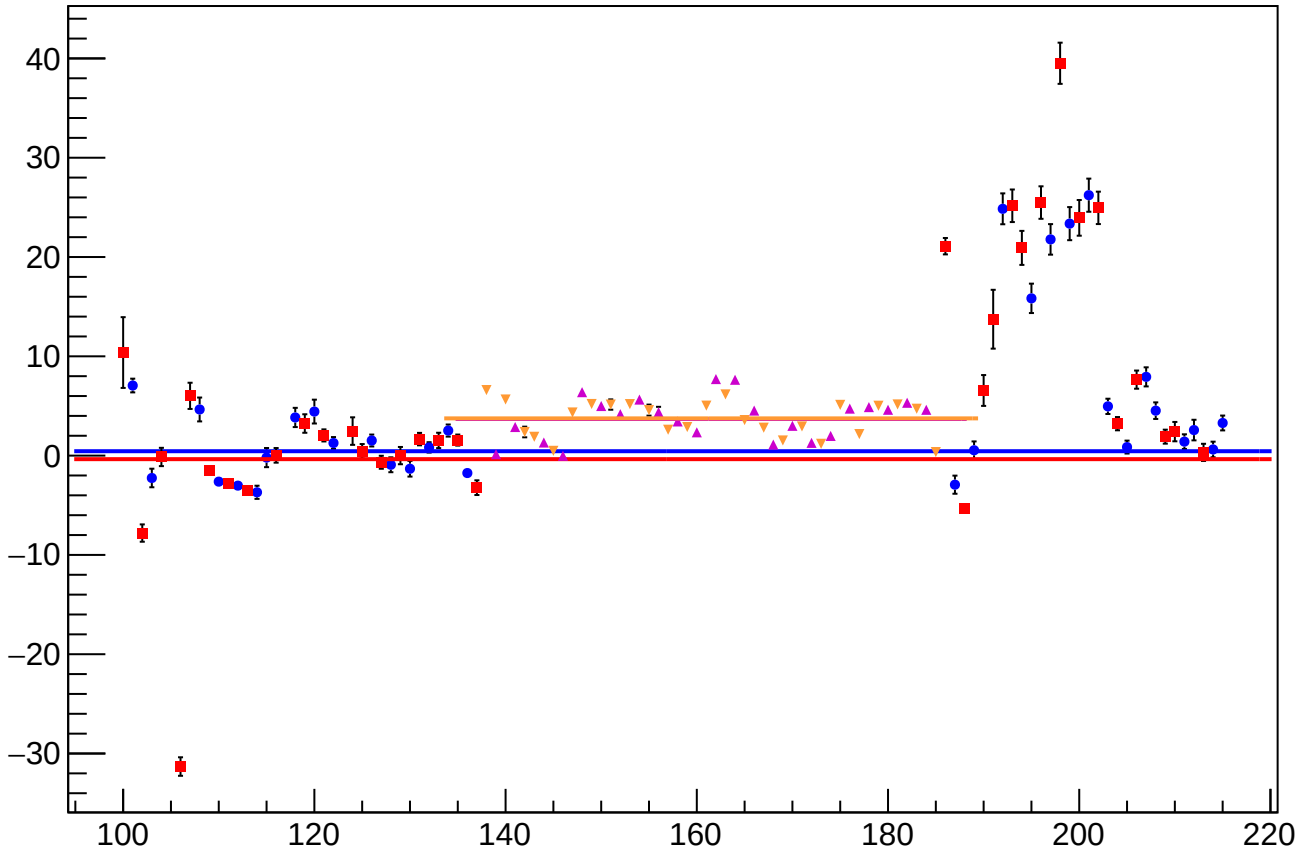
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.025+/-0.005 χ^2/NDF: 1700.6/64

In: 0.140+/-0.003 χ^2/NDF:2364.9/53

Out: 0.147+/-0.003 χ^2/NDF:2739.9/58

All: 0.144+/-0.002 χ^2/NDF: 5108.1/112



Right In: 0.444+/-0.119 χ^2/NDF: 1604.0/30

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.356+/-0.114 χ^2/NDF: 3861.1/33

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

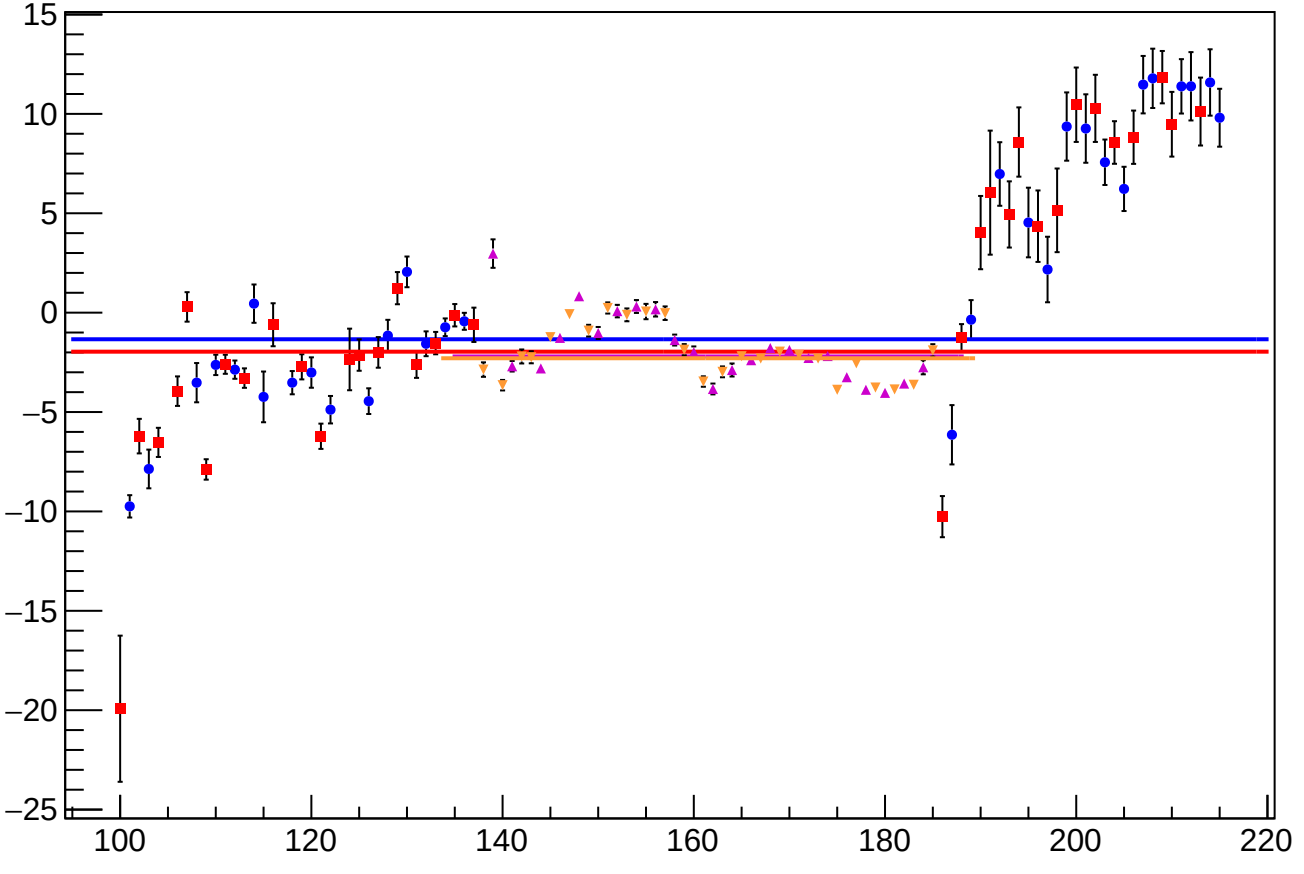
Right: 0.028+/-0.082 χ^2/NDF: 5488.6/64

In: 2.960+/-0.056 χ^2/NDF:3135.5/53

Out: 2.816+/-0.054 χ^2/NDF:5669.6/58

All: 2.886+/-0.039 χ^2/NDF: 8808.5/112

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.339+/-0.144 χ^2/NDF: 1047.0/30

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -1.963+/-0.144 χ^2/NDF: 950.4/33

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

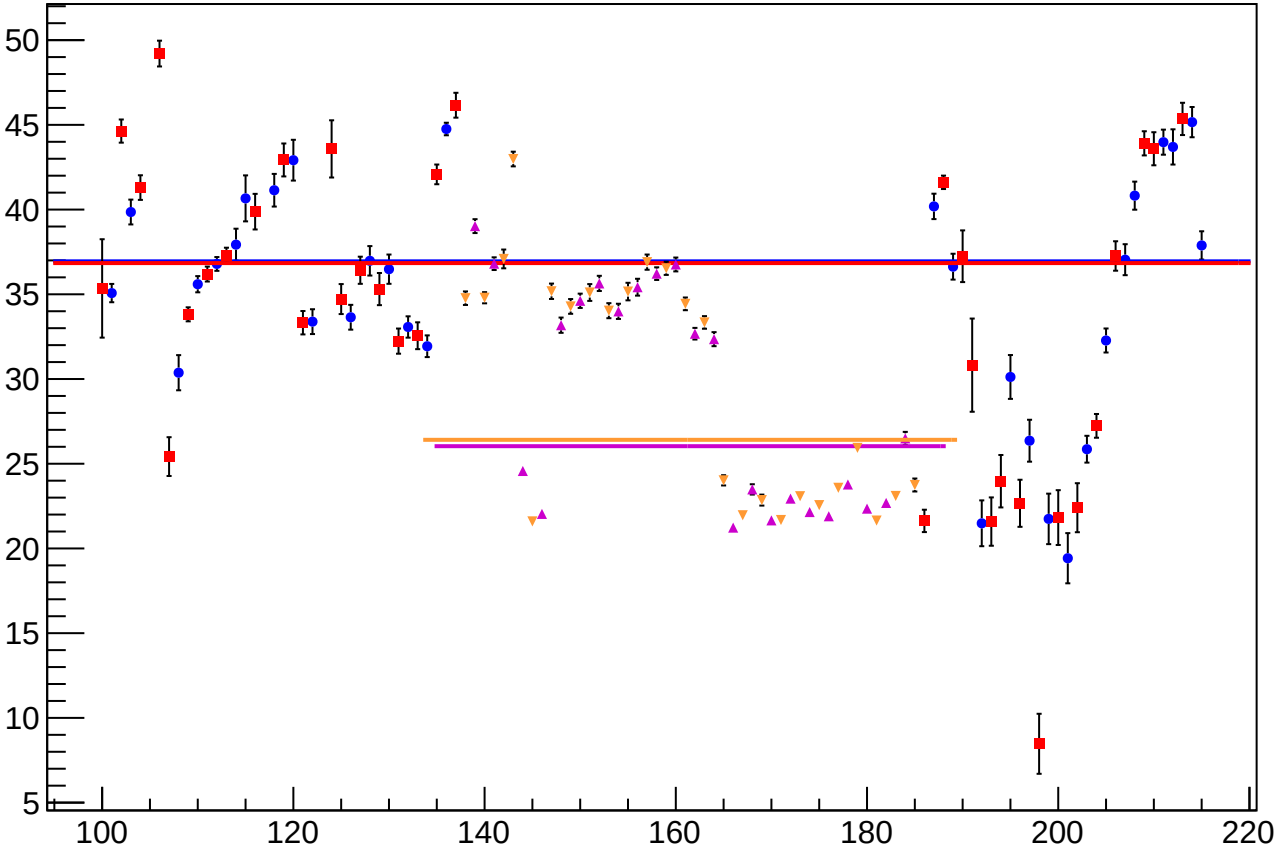
Right: -1.651+/-0.102 χ^2/NDF: 2006.8/64

In: -2.108+/-0.048 χ^2/NDF:1803.9/53

Out: -2.259+/-0.047 χ^2/NDF:1586.6/58

All: -2.185+/-0.033 χ^2/NDF: 3395.6/112

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 36.945+/-0.133 χ^2/NDF: 1691.9/30

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.842+/-0.131 χ^2/NDF: 2821.6/33

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

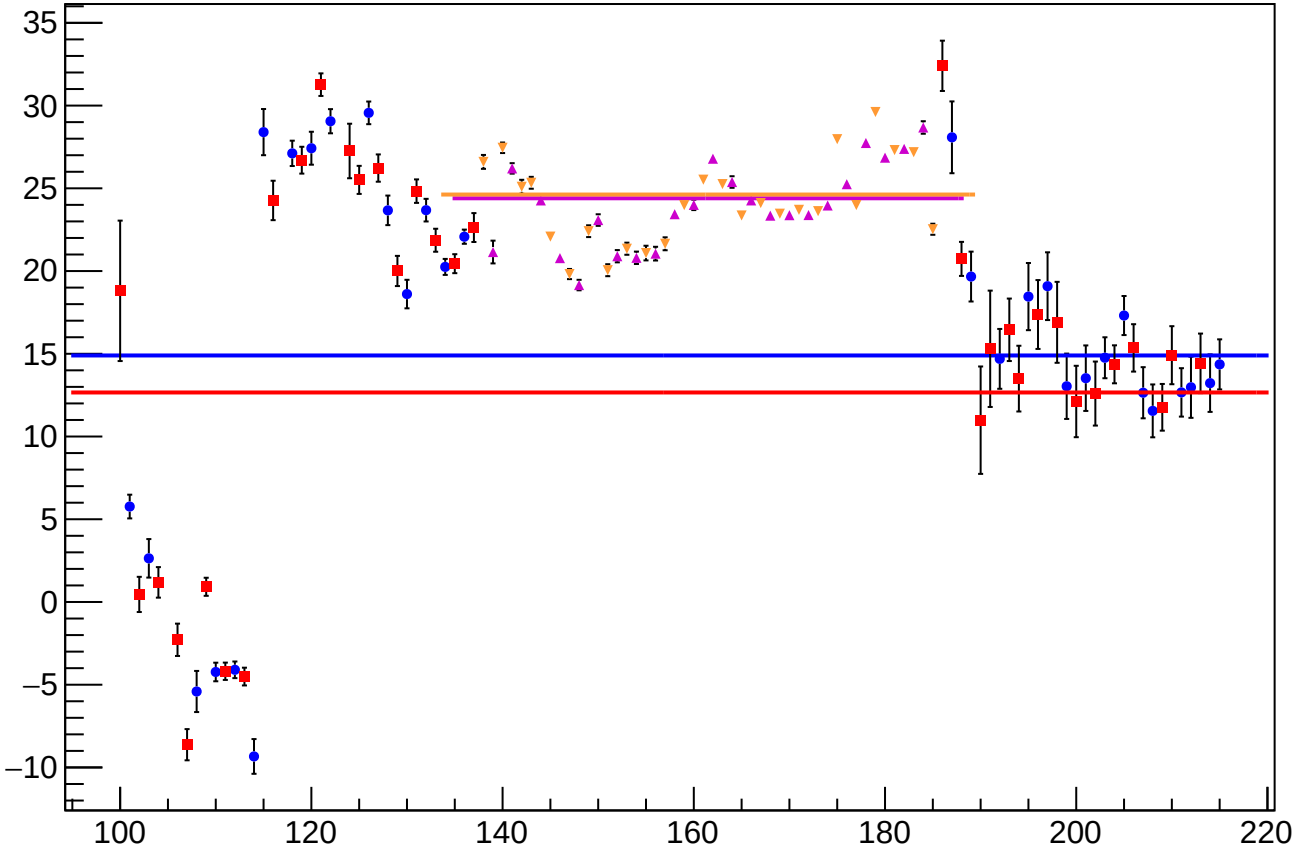
Right: 36.892+/-0.093 χ^2/NDF: 4513.8/64

In: 28.083+/-0.058 χ^2/NDF:15006.9/53

Out: 28.344+/-0.056 χ^2/NDF:17243.9/58

All: 28.217+/-0.040 χ^2/NDF: 32261.4/112

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.898+/-0.161 χ^2/NDF: 5757.4/30

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.662+/-0.164 χ^2/NDF: 6373.7/33

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

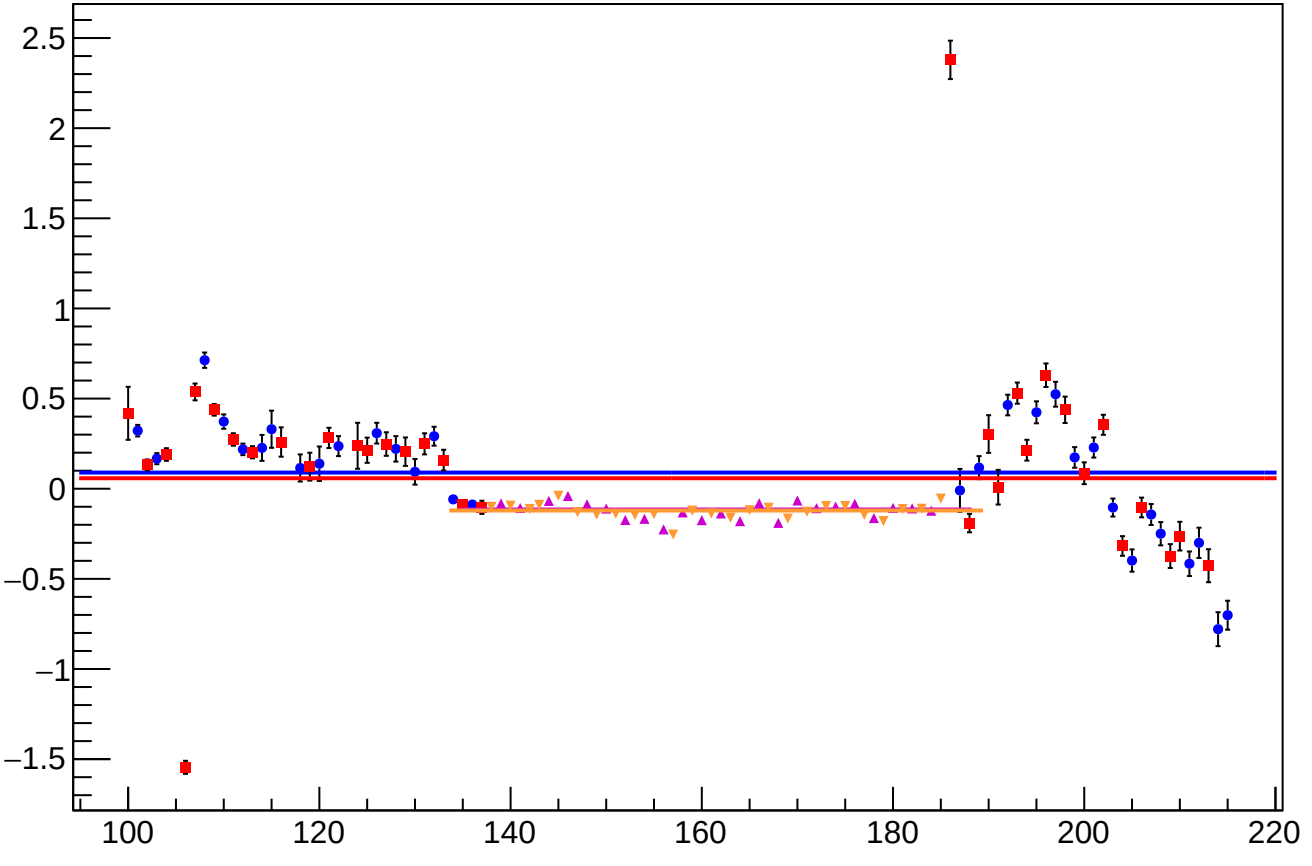
Right: 13.801+/-0.115 χ^2/NDF: 12226.2/64

In: 23.353+/-0.053 χ^2/NDF:10583.9/53

Out: 23.403+/-0.052 χ^2/NDF:13121.7/58

All: 23.379+/-0.037 χ^2/NDF: 23706.1/112

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090+/-0.008 χ^2/NDF: 1034.2/30

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.058+/-0.008 χ^2/NDF: 3271.7/33

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

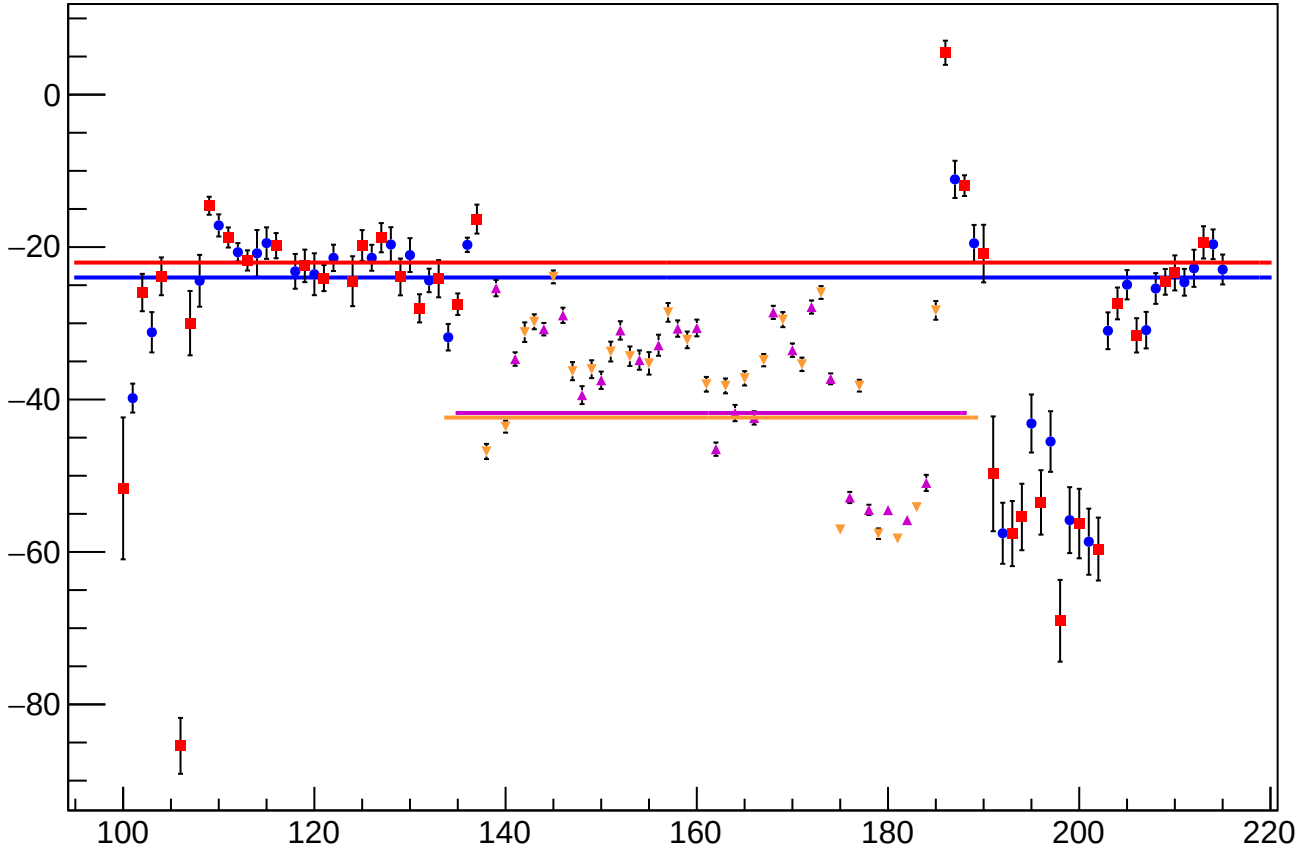
Right: 0.074+/-0.006 χ^2/NDF: 4313.0/64

In: -0.098+/-0.002 χ^2/NDF:1894.9/53

Out: -0.107+/-0.002 χ^2/NDF:3945.7/58

All: -0.102+/-0.002 χ^2/NDF: 5847.9/112

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.991+/-0.358 χ^2/NDF: 460.8/30

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -22.032+/-0.358 χ^2/NDF: 1204.1/33

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

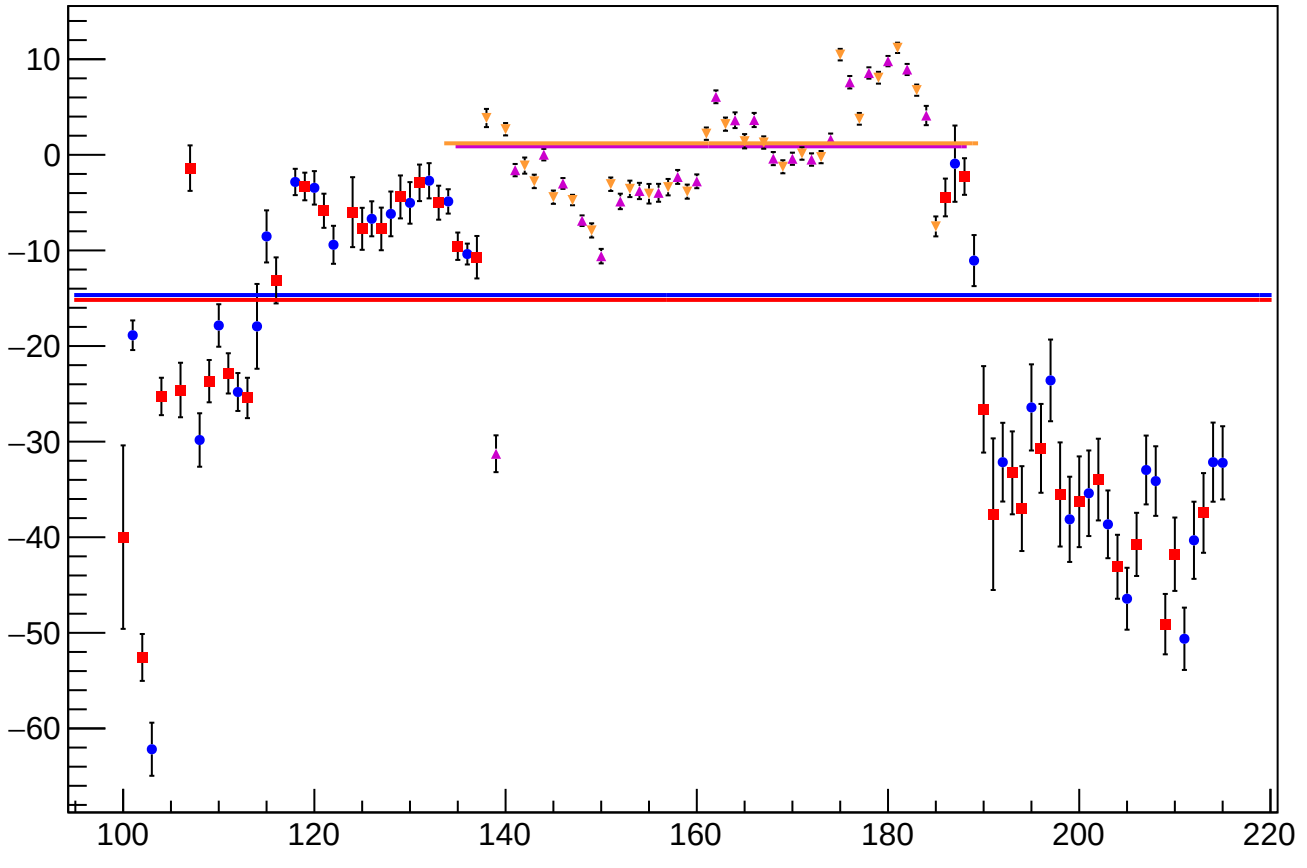
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -23.013+/-0.253 χ^2/NDF: 1679.9/64

In: -38.119+/-0.162 χ^2/NDF:5881.8/53

Out: -38.437+/-0.157 χ^2/NDF:8283.8/58

All: -38.283+/-0.113 χ^2/NDF: 14167.6/112



Right In: -14.666+/-0.410 χ^2/NDF: 1143.0/30

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -15.176+/-0.422 χ^2/NDF: 1119.0/33

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

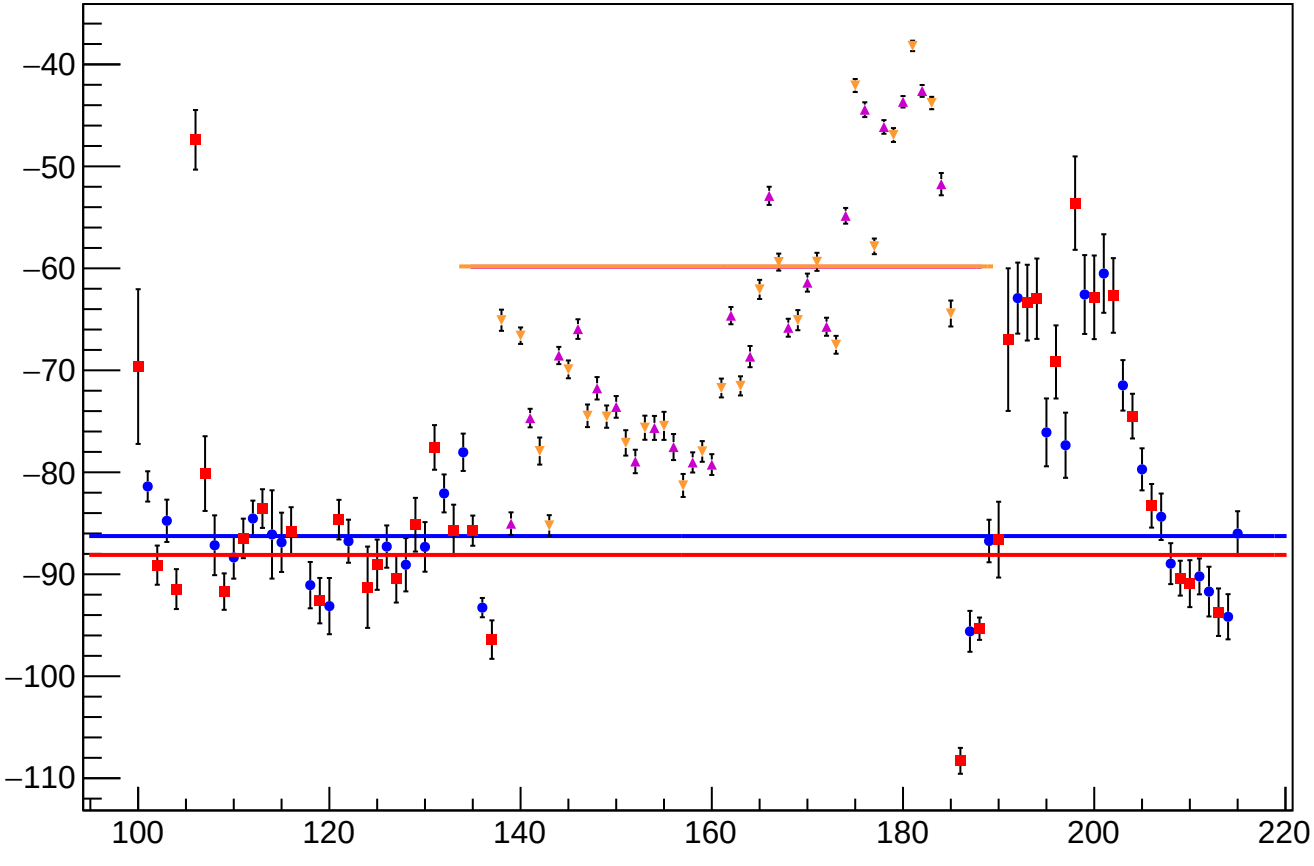
Right: -14.913+/-0.294 χ^2/NDF: 2262.8/64

In: -0.795+/-0.135 χ^2/NDF:4188.8/53

Out: -0.379+/-0.131 χ^2/NDF:3940.7/58

All: -0.581+/-0.094 χ^2/NDF: 8134.4/112

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -86.253+/-0.379 χ^2/NDF: 342.8/30

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.102+/-0.378 χ^2/NDF: 889.8/33

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

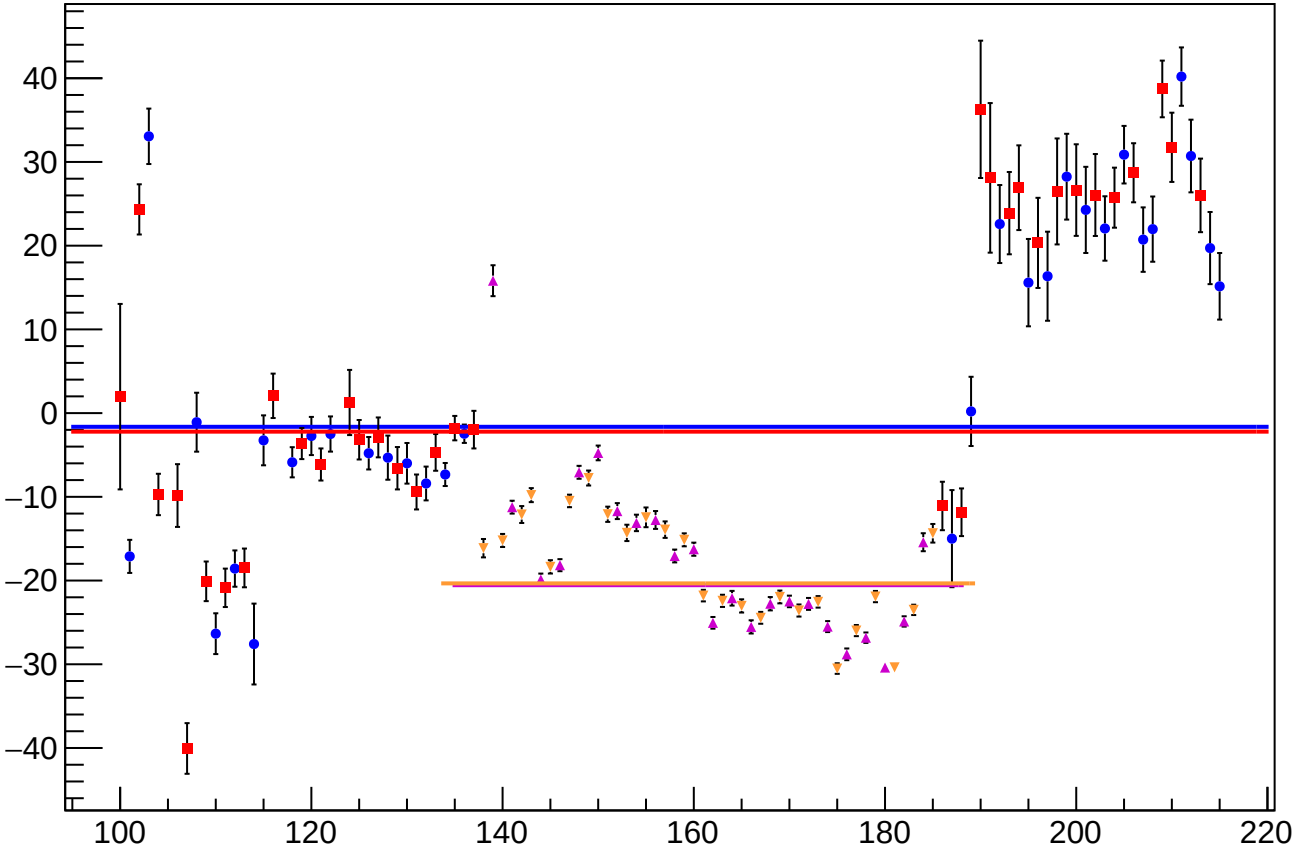
Right: -87.180+/-0.268 χ^2/NDF: 1244.6/64

In: -64.749+/-0.163 χ^2/NDF:9826.4/53

Out: -64.813+/-0.159 χ^2/NDF:12141.3/58

All: -64.782+/-0.114 χ^2/NDF: 21967.8/112

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.636+/-0.461 χ^2/NDF: 960.8/30

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -2.214+/-0.485 χ^2/NDF: 1053.3/33

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

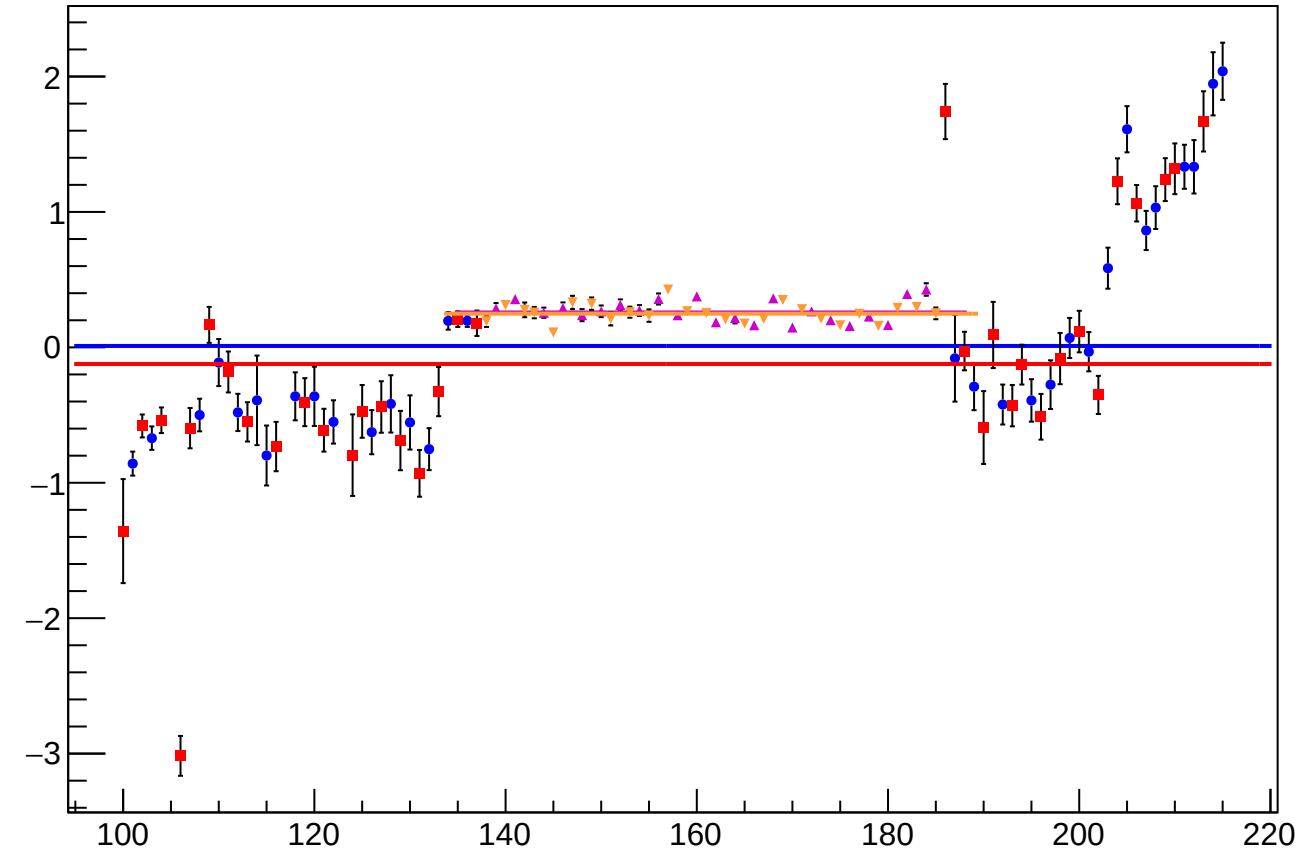
Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

Right: -1.910+/-0.334 χ^2/NDF: 2014.8/64

In: -18.534+/-0.151 χ^2/NDF:4656.3/53

Out: -18.668+/-0.147 χ^2/NDF:4021.5/58

All: -18.602+/-0.105 χ^2/NDF: 8678.2/112



Right In: 0.010+/-0.023 χ^2/NDF: 772.8/30

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.123+/-0.024 χ^2/NDF: 1017.6/33

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

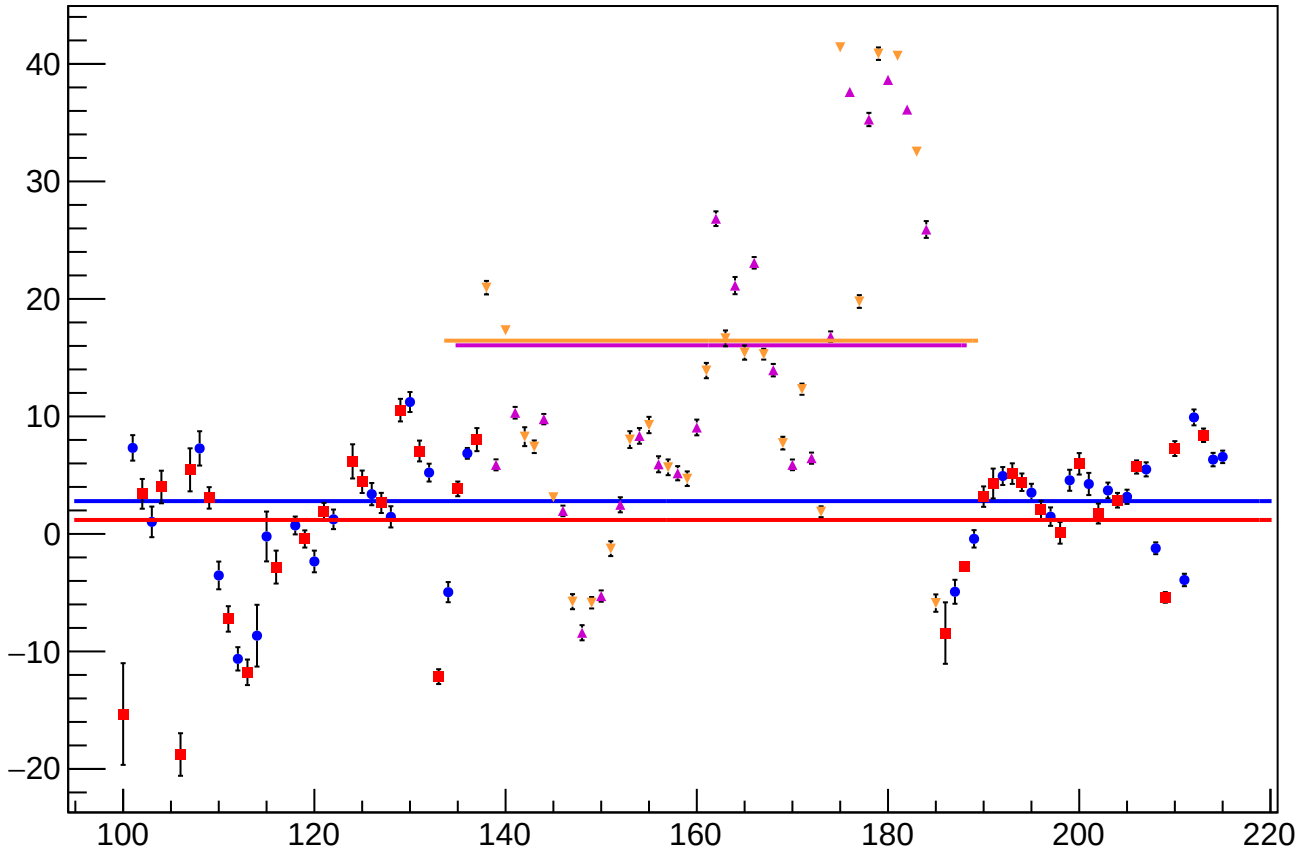
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.052+/-0.017 χ^2/NDF: 1806.3/64

In: 0.236+/-0.007 χ^2/NDF:1014.1/53

Out: 0.221+/-0.007 χ^2/NDF:1326.6/58

All: 0.228+/-0.005 χ^2/NDF: 2343.2/112



Right In: 2.793+/-0.136 χ^2/NDF: 1114.2/30

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 1.189+/-0.136 χ^2/NDF: 1782.8/33

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

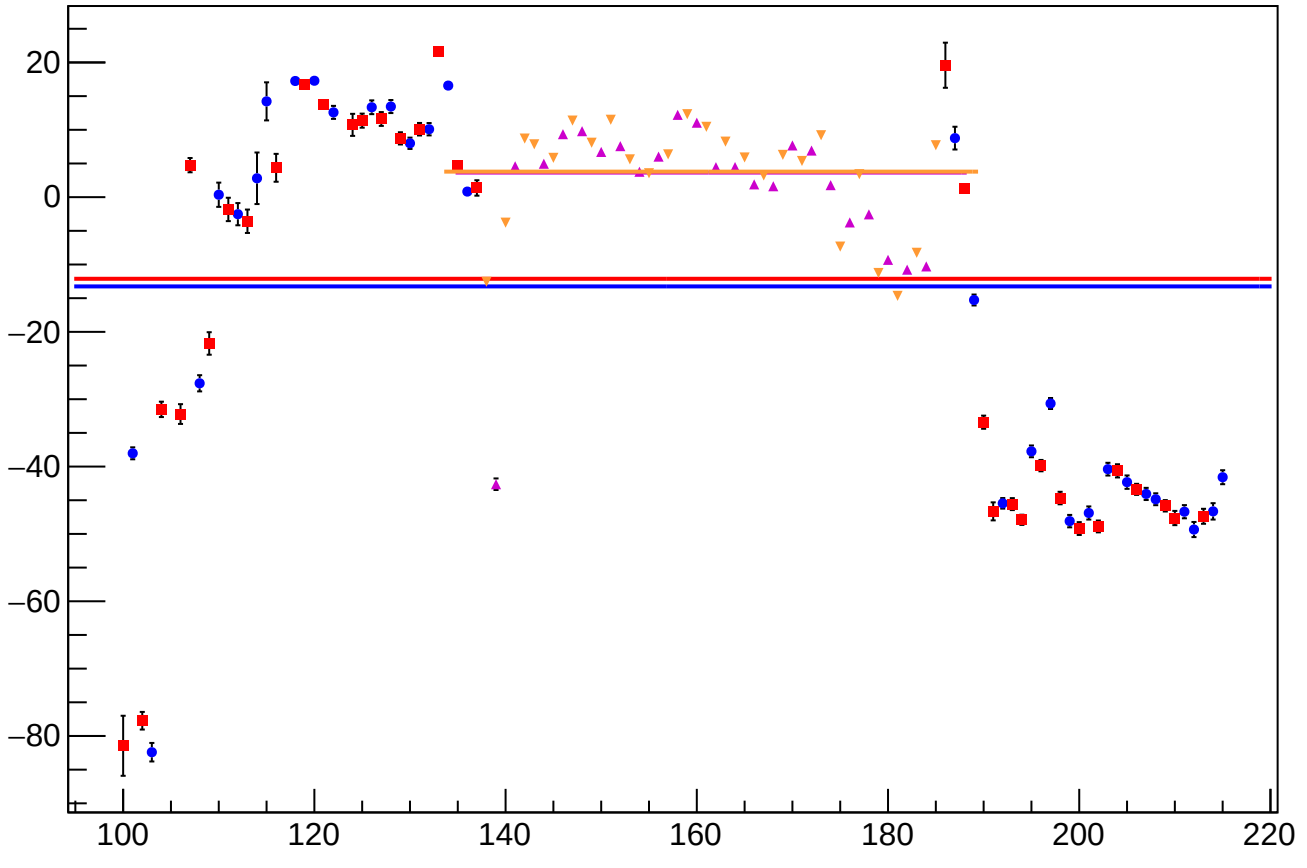
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.992+/-0.096 χ^2/NDF: 2966.7/64

In: 10.960+/-0.084 χ^2/NDF:24608.6/53

Out: 10.815+/-0.083 χ^2/NDF:31130.7/58

All: 10.886+/-0.059 χ^2/NDF: 55740.9/112



Right In: -13.251+/-0.159 χ^2/NDF: 30680.4/30

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -12.119+/-0.155 χ^2/NDF: 34192.7/33

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

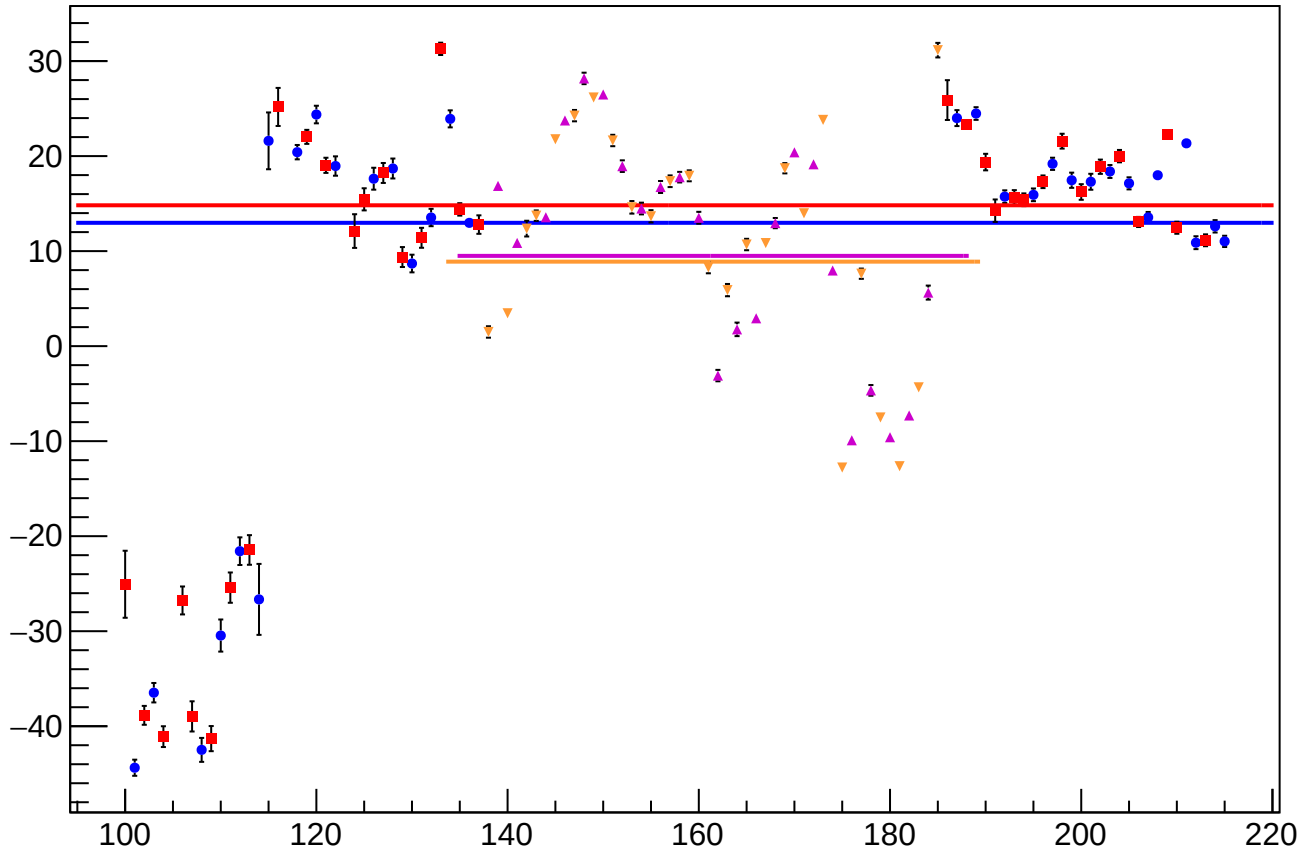
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -12.669+/-0.111 χ^2/NDF: 64899.0/64

In: 0.050+/-0.074 χ^2/NDF:47829.1/53

Out: 0.443+/-0.071 χ^2/NDF:51595.7/58

All: 0.253+/-0.051 χ^2/NDF: 99439.5/112



Right In: 12.979+/-0.136 χ^2/NDF: 11820.9/30

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.823+/-0.132 χ^2/NDF: 12785.1/33

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

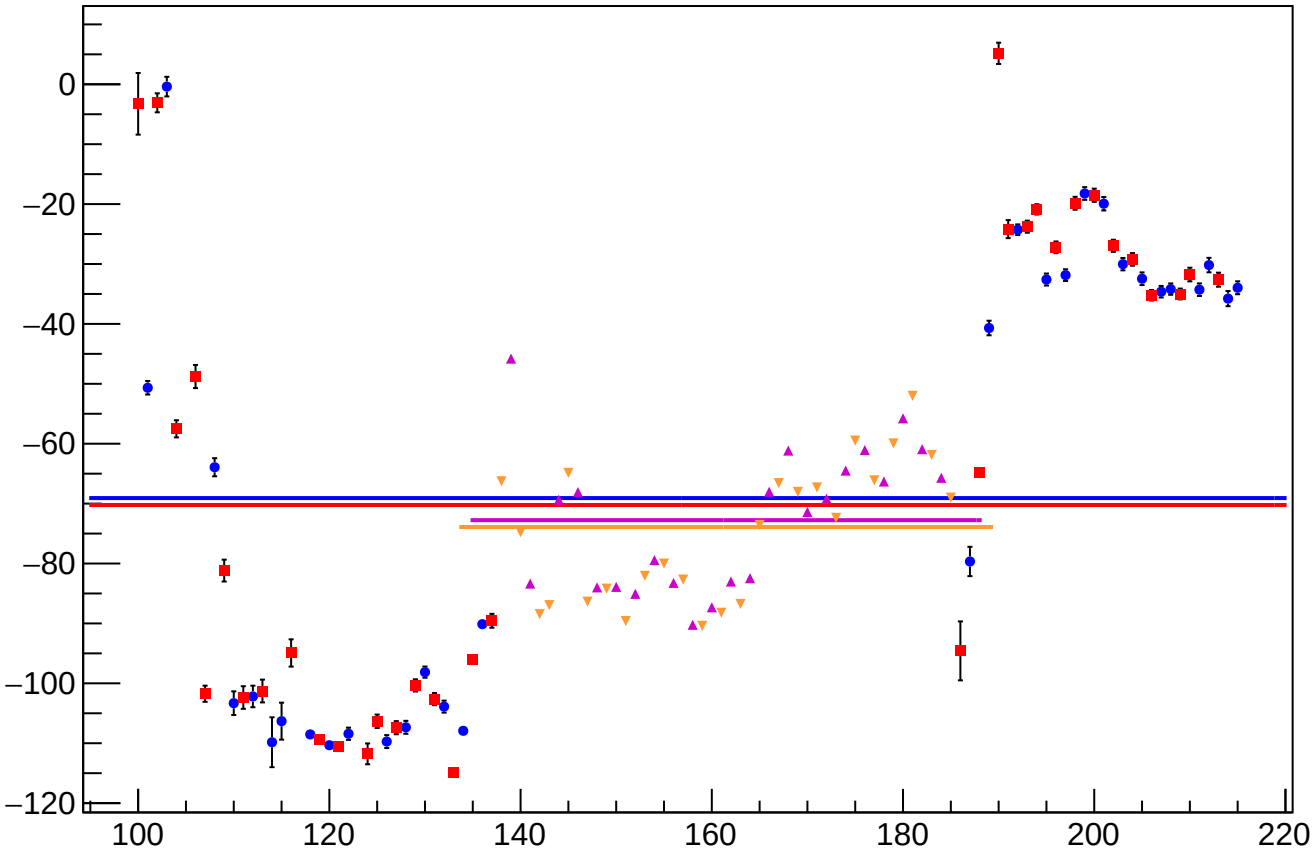
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.927+/-0.095 χ^2/NDF: 24700.4/64

In: 10.821+/-0.084 χ^2/NDF:25267.0/53

Out: 11.151+/-0.082 χ^2/NDF:29458.4/58

All: 10.991+/-0.058 χ^2/NDF: 54733.3/112



Right In: -69.075+/-0.182 χ^2/NDF: 40294.0/30

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -70.233+/-0.181 χ^2/NDF: 45974.9/33

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

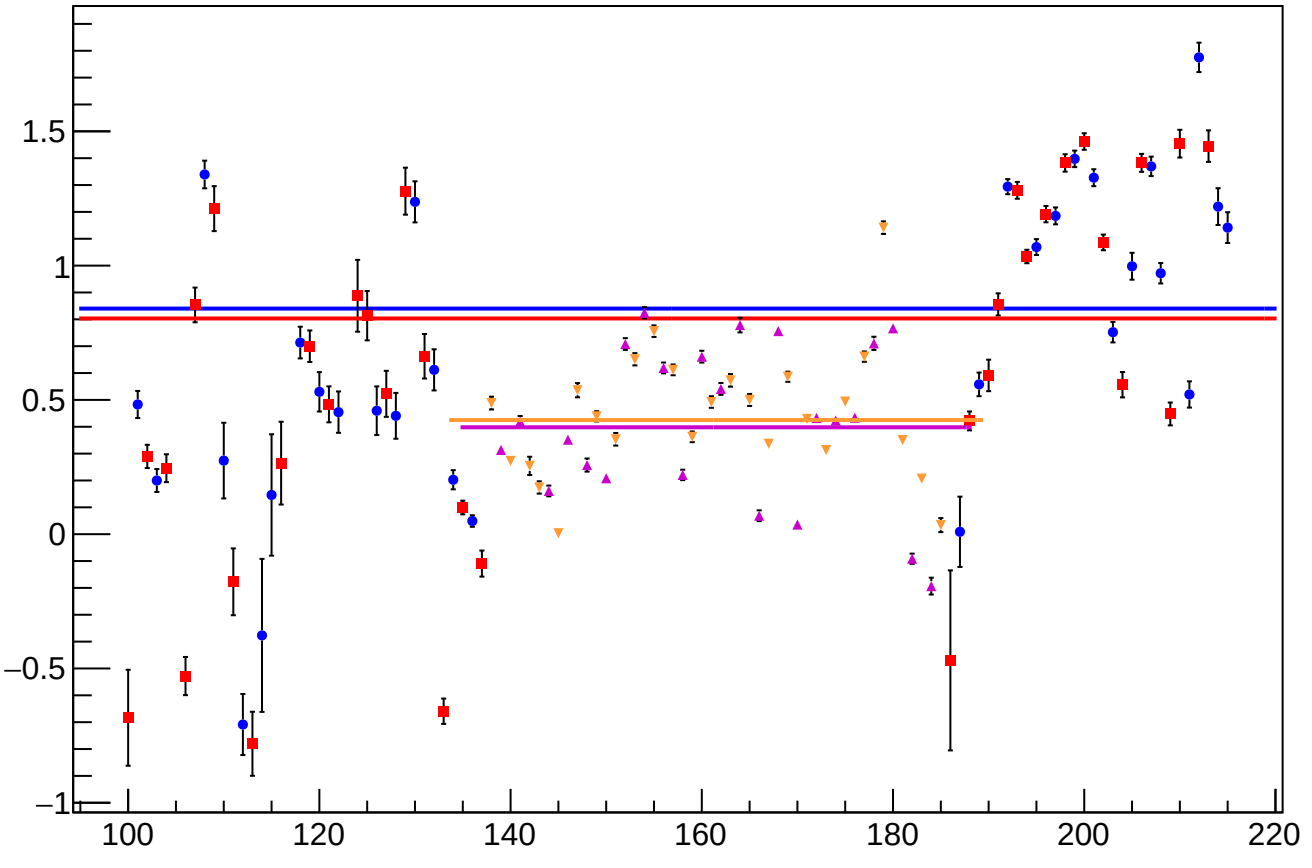
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -69.659+/-0.128 χ^2/NDF: 86289.2/64

In: -71.998+/-0.083 χ^2/NDF:53230.3/53

Out: -73.172+/-0.081 χ^2/NDF:61871.9/58

All: -72.600+/-0.058 χ^2/NDF: 115204.7/112



Right In: 0.840+/-0.008 χ^2/NDF: 4118.8/30

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.803+/-0.008 χ^2/NDF: 5275.6/33

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

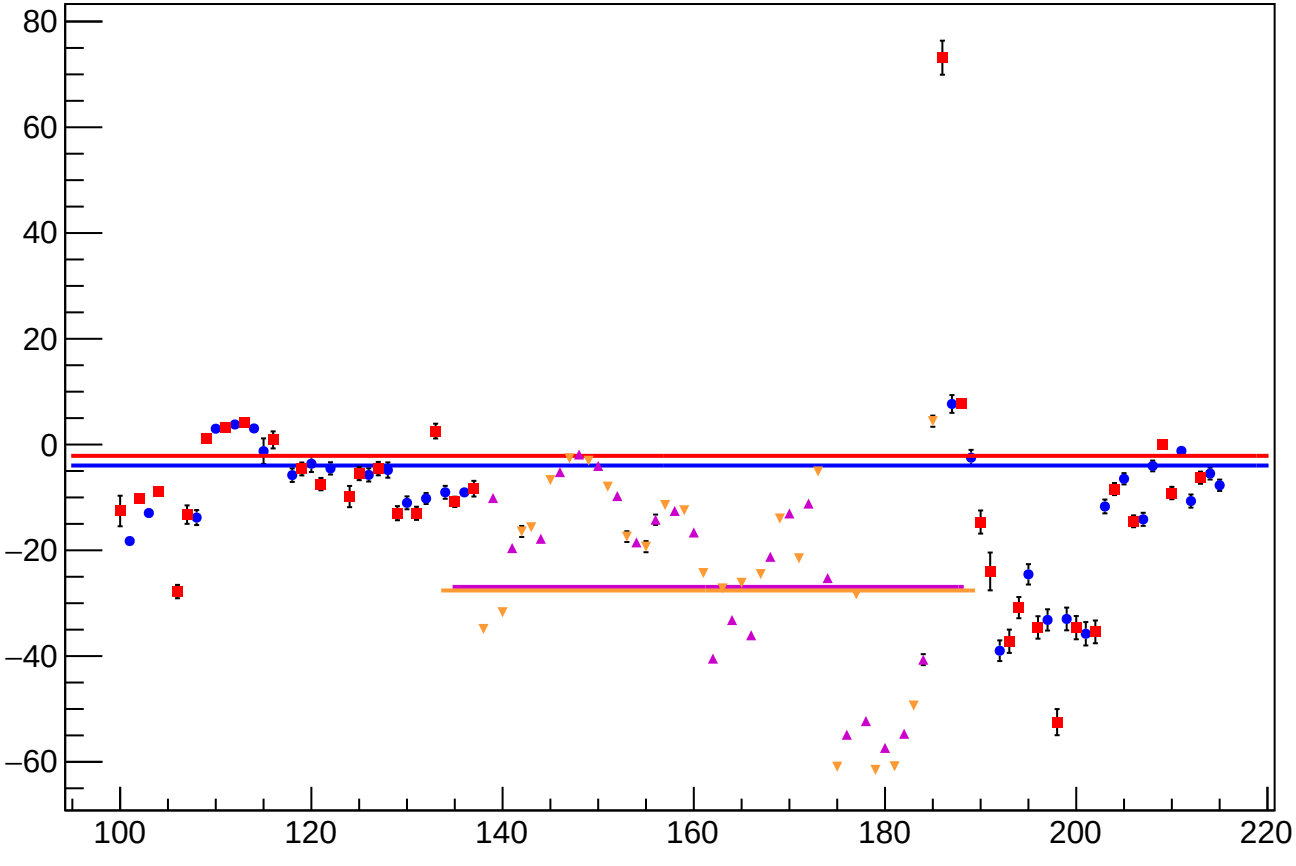
Right: 0.821+/-0.006 χ^2/NDF: 9405.3/64

In: 0.490+/-0.004 χ^2/NDF:10791.3/53

Out: 0.505+/-0.004 χ^2/NDF:10154.7/58

All: 0.498+/-0.003 χ^2/NDF: 20954.1/112

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.965+/-0.167 χ^2/NDF: 2823.6/30

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.135+/-0.154 χ^2/NDF: 4076.8/33

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

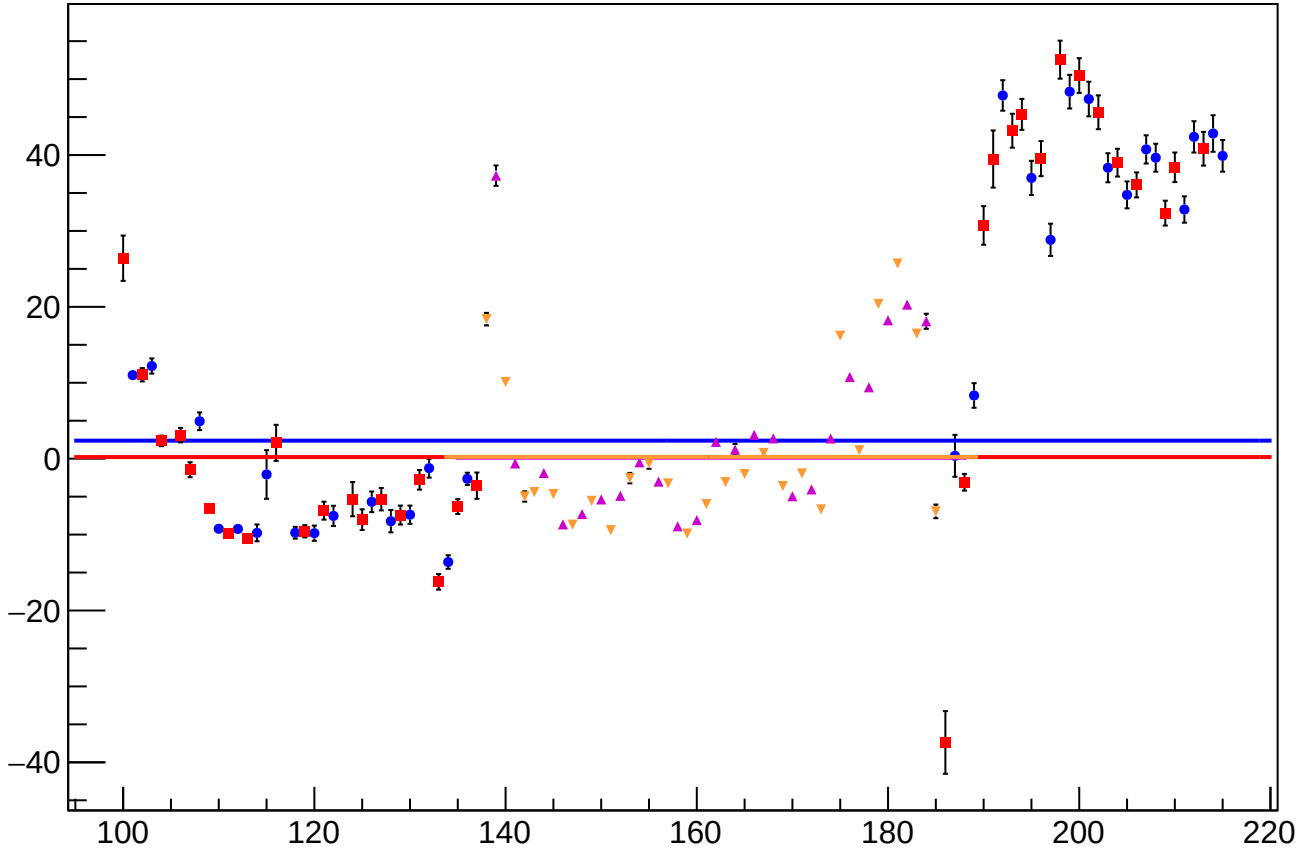
Right: -2.974+/-0.113 χ^2/NDF: 6965.1/64

In: -16.757+/-0.111 χ^2/NDF:28835.3/53

Out: -15.696+/-0.105 χ^2/NDF:38383.3/58

All: -16.197+/-0.077 χ^2/NDF: 67266.6/112

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.374+/-0.207 χ^2/NDF: 6721.3/30

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: 0.211+/-0.201 χ^2/NDF: 6431.1/33

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

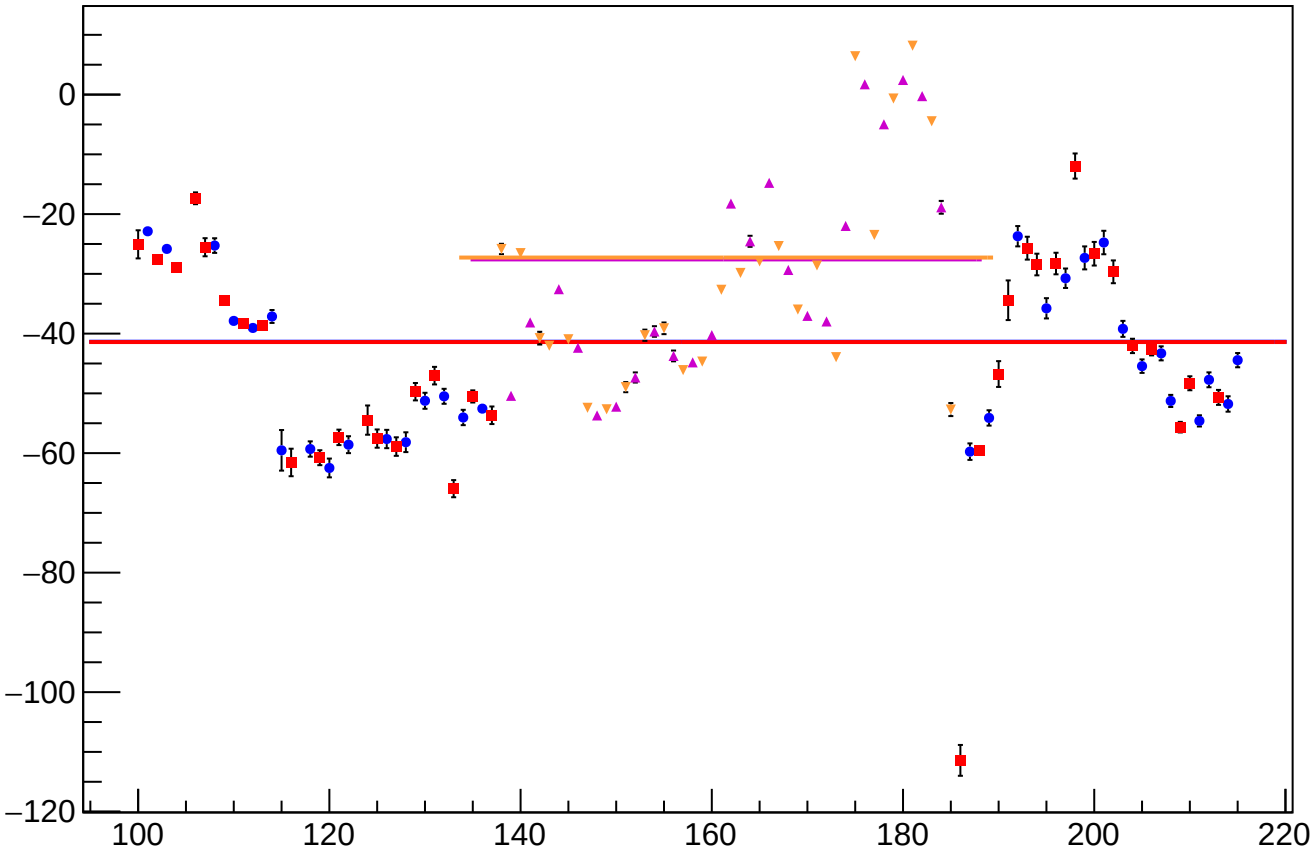
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: 1.263+/-0.144 χ^2/NDF: 13208.5/64

In: 0.657+/-0.100 χ^2/NDF:12648.7/53

Out: 0.232+/-0.097 χ^2/NDF:14466.7/58

All: 0.437+/-0.070 χ^2/NDF: 27124.7/112



Right In: -41.357+/-0.187 χ^2/NDF: 4004.9/30

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.411+/-0.180 χ^2/NDF: 5352.8/33

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

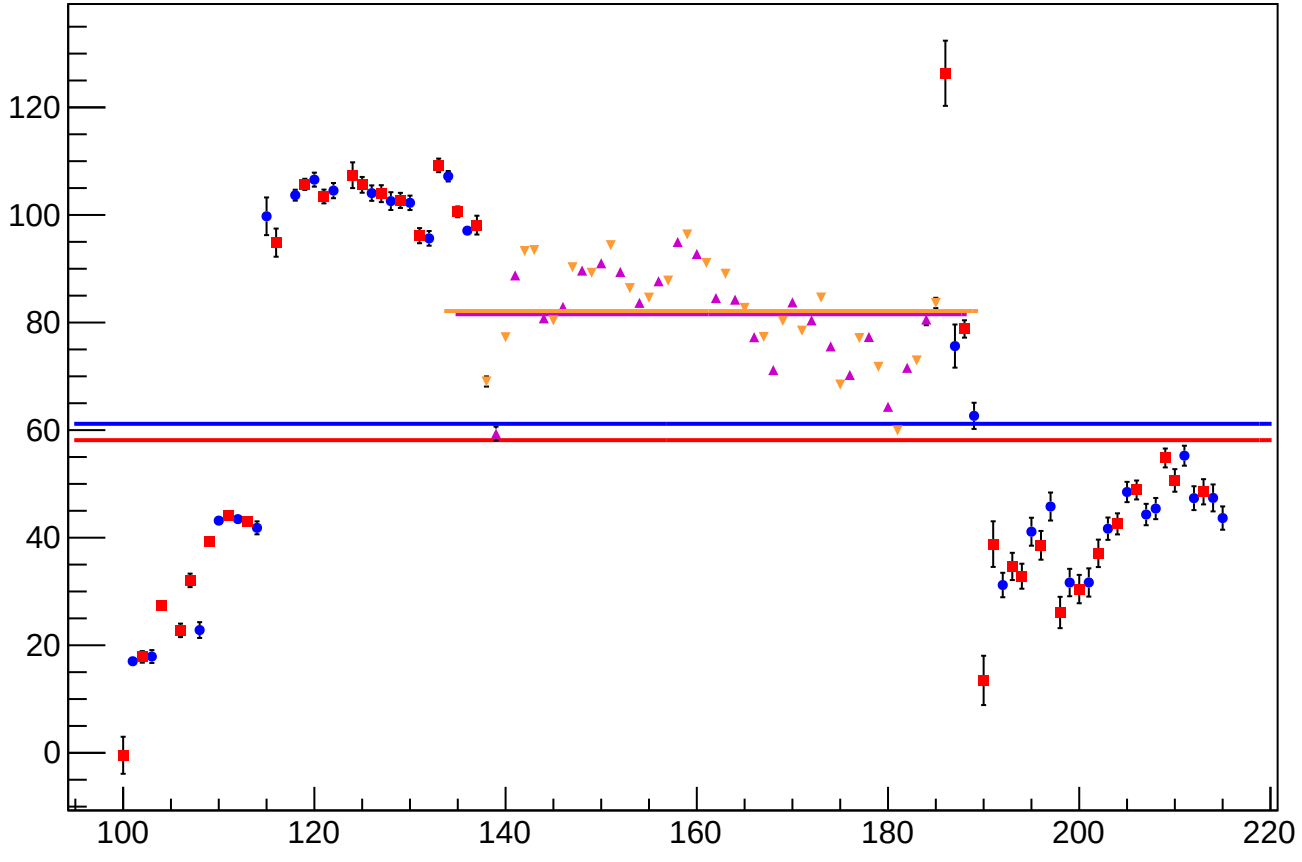
Right: -41.385+/-0.130 χ^2/NDF: 9357.8/64

In: -32.889+/-0.116 χ^2/NDF:22981.2/53

Out: -32.801+/-0.112 χ^2/NDF:27656.7/58

All: -32.844+/-0.081 χ^2/NDF: 50638.2/112

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.173+/-0.236 χ^2/NDF: 19690.2/30

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.133+/-0.230 χ^2/NDF: 18563.5/33

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

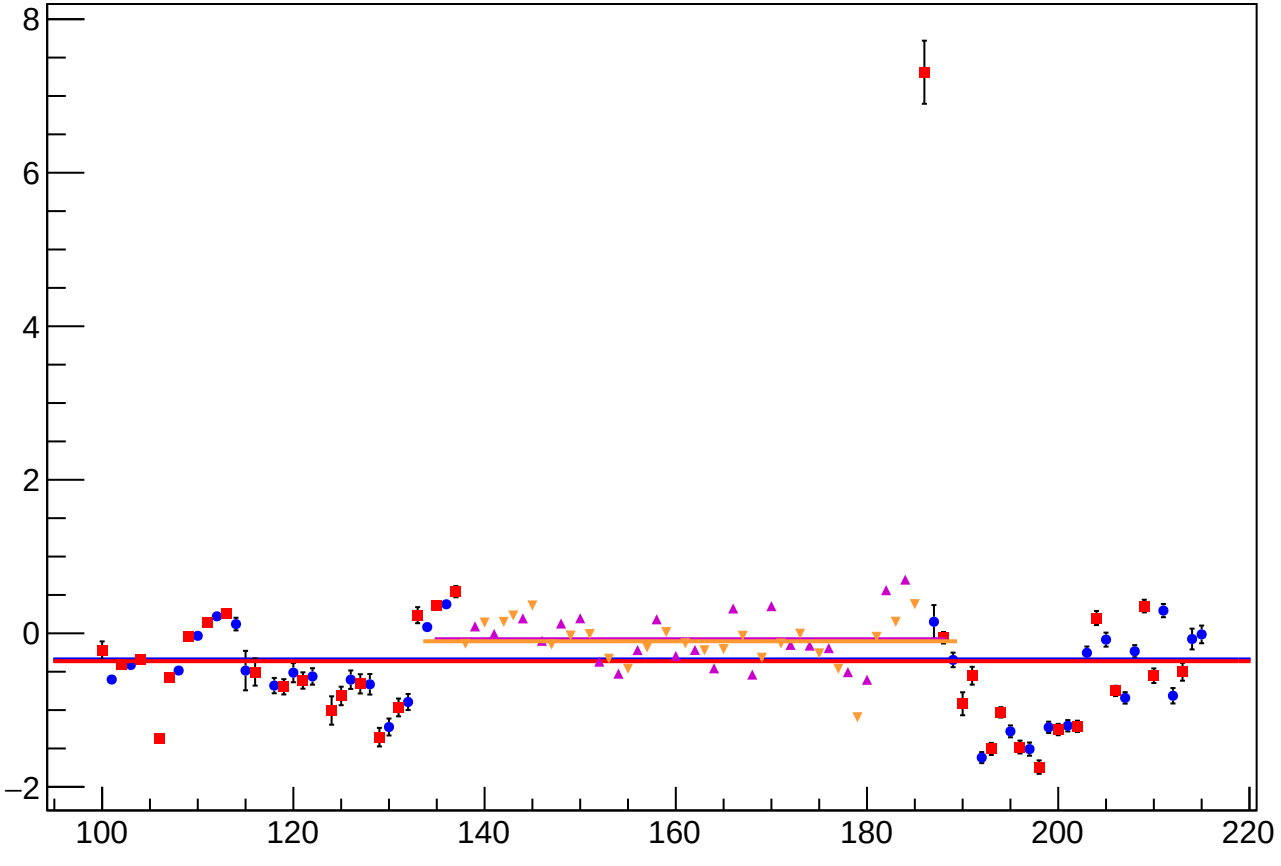
Right: 59.616+/-0.165 χ^2/NDF: 38338.8/64

In: 76.849+/-0.113 χ^2/NDF:29476.9/53

Out: 76.680+/-0.110 χ^2/NDF:32348.5/58

All: 76.762+/-0.079 χ^2/NDF: 61826.6/112

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.340+/-0.012 χ^2/NDF: 2118.3/30

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.363+/-0.011 χ^2/NDF: 3044.9/33

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

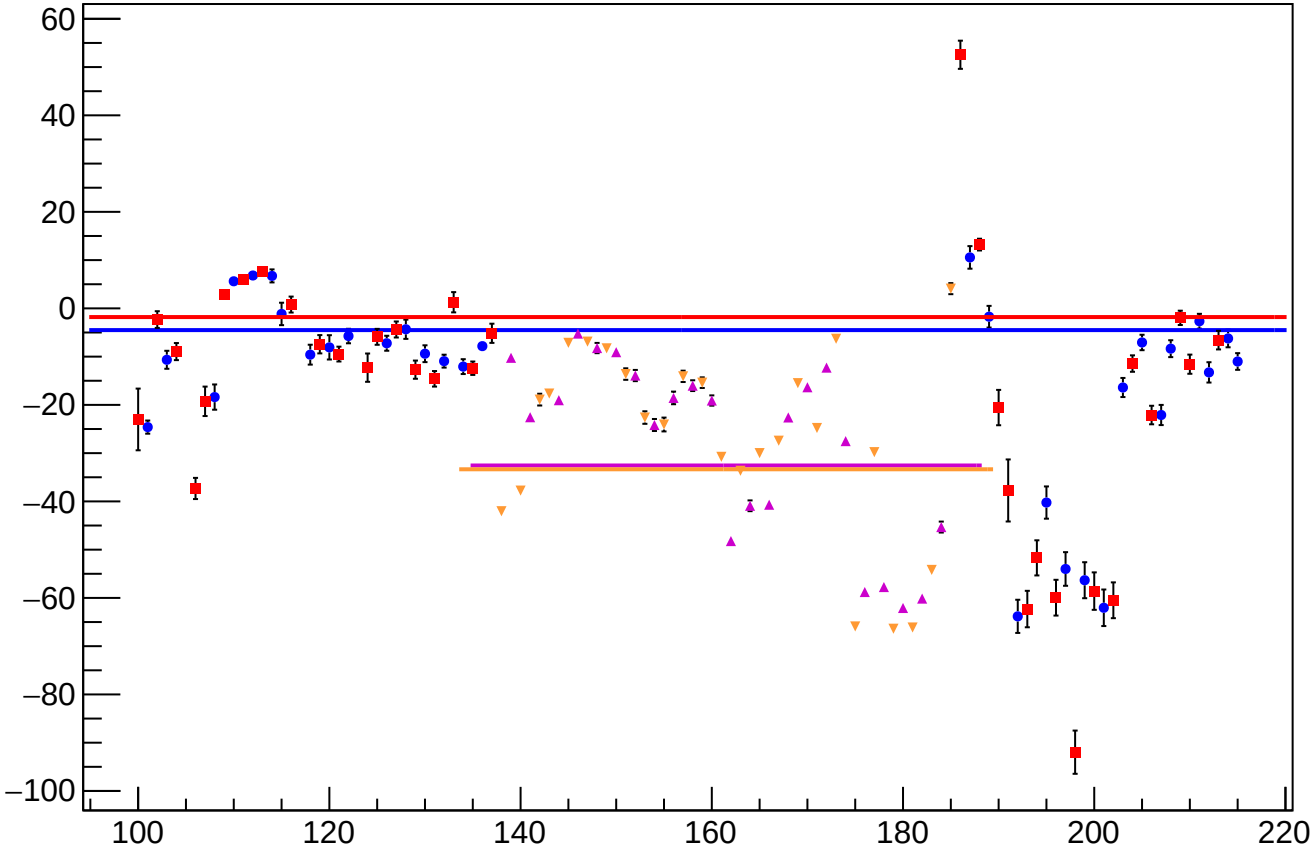
Right: -0.352+/-0.008 χ^2/NDF: 5165.2/64

In: -0.129+/-0.005 χ^2/NDF:5855.3/53

Out: -0.155+/-0.005 χ^2/NDF:5882.4/58

All: -0.142+/-0.004 χ^2/NDF: 11751.0/112

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.504+/-0.269 χ^2/NDF: 2214.7/30

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.802+/-0.254 χ^2/NDF: 3264.8/33

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

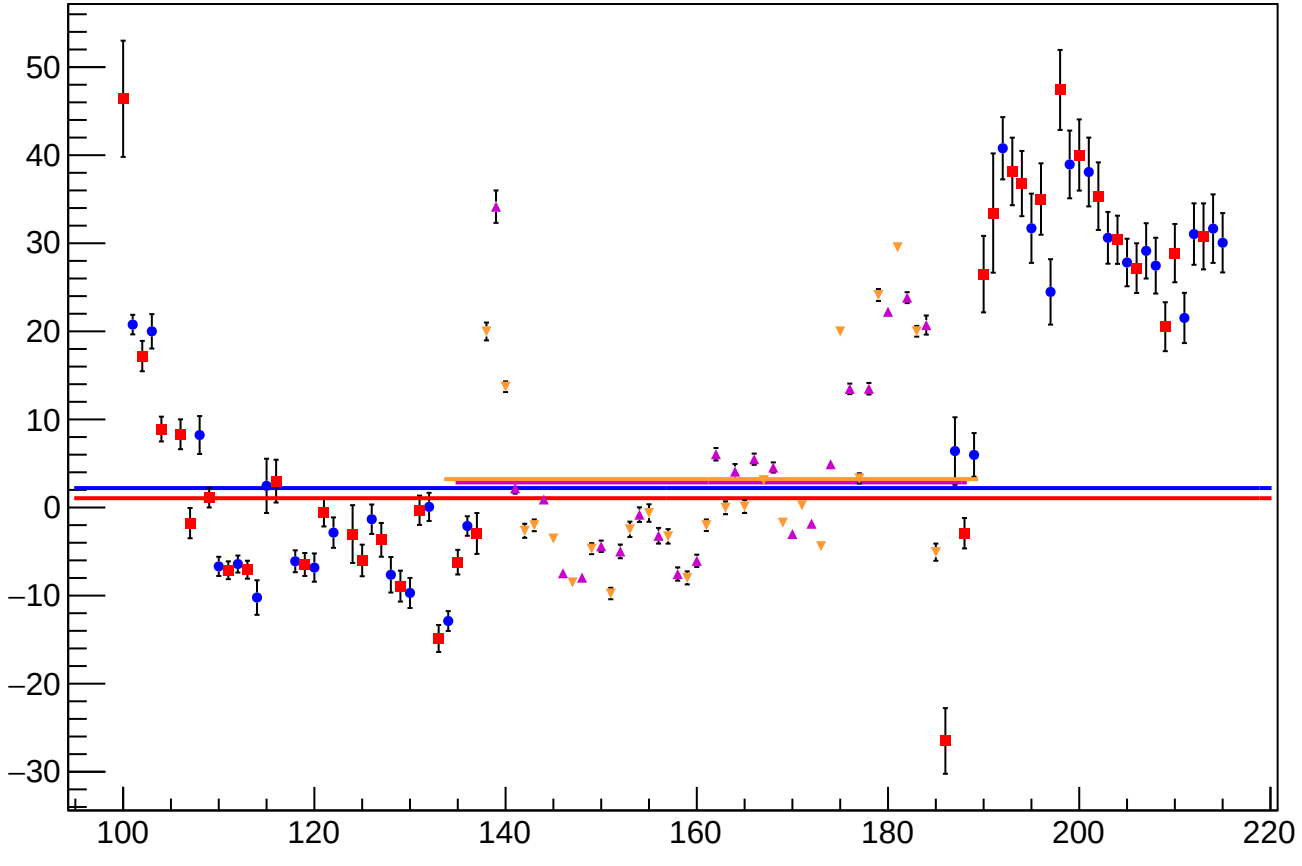
Right: -3.076+/-0.185 χ^2/NDF: 5532.8/64

In: -24.599+/-0.143 χ^2/NDF:23890.4/53

Out: -24.028+/-0.138 χ^2/NDF:32102.7/58

All: -24.303+/-0.099 χ^2/NDF: 56001.3/112

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.206+/-0.328 χ^2/NDF: 1866.1/30

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: 1.057+/-0.327 χ^2/NDF: 1579.2/33

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

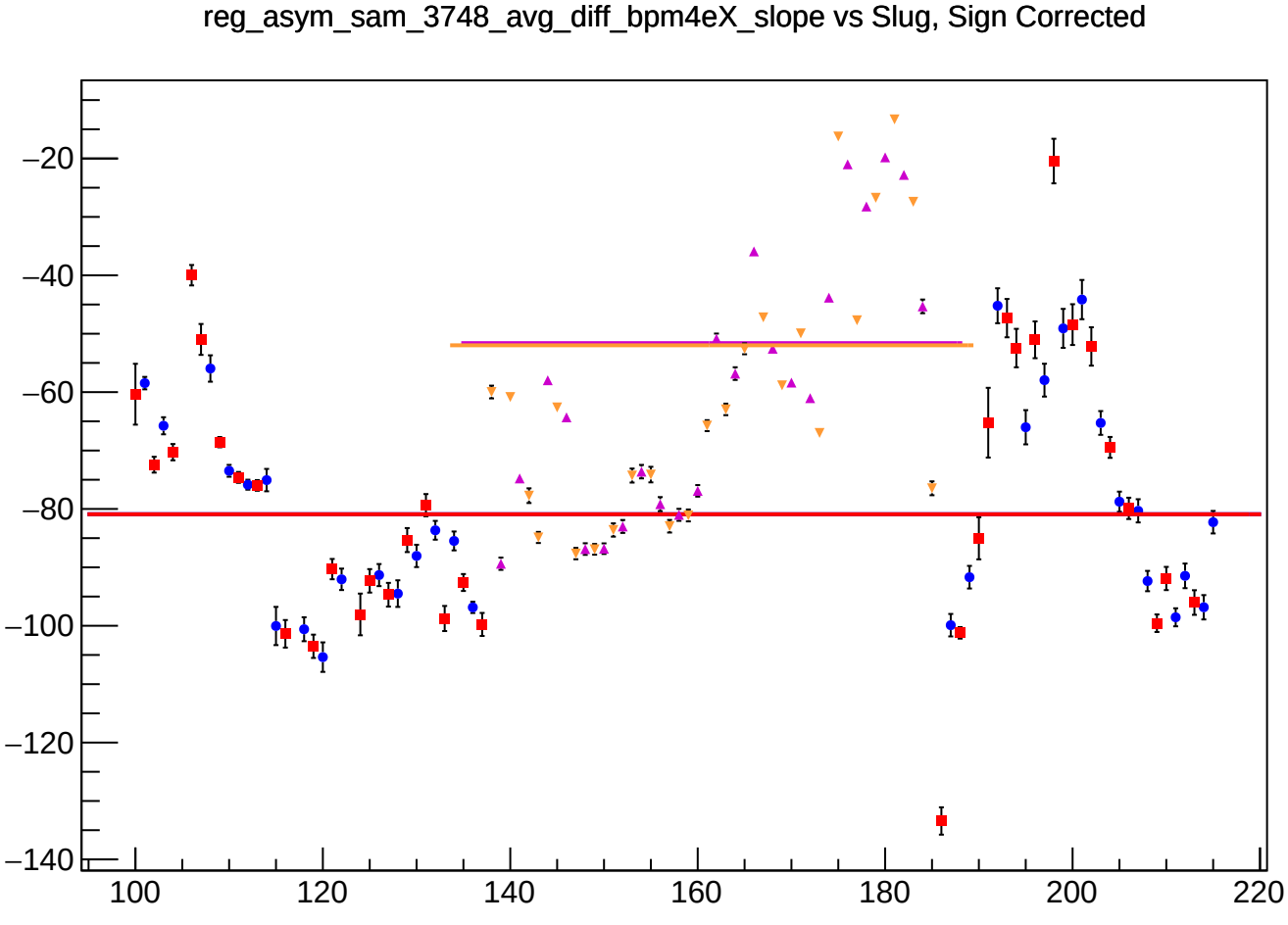
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 1.630+/-0.232 χ^2/NDF: 3451.5/64

In: 2.757+/-0.122 χ^2/NDF:7324.9/53

Out: 2.936+/-0.119 χ^2/NDF:9292.8/58

All: 2.849+/-0.085 χ^2/NDF: 16618.8/112



Right In: -80.898+/-0.303 χ^2/NDF: 2285.6/30

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.909+/-0.296 χ^2/NDF: 3523.9/33

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

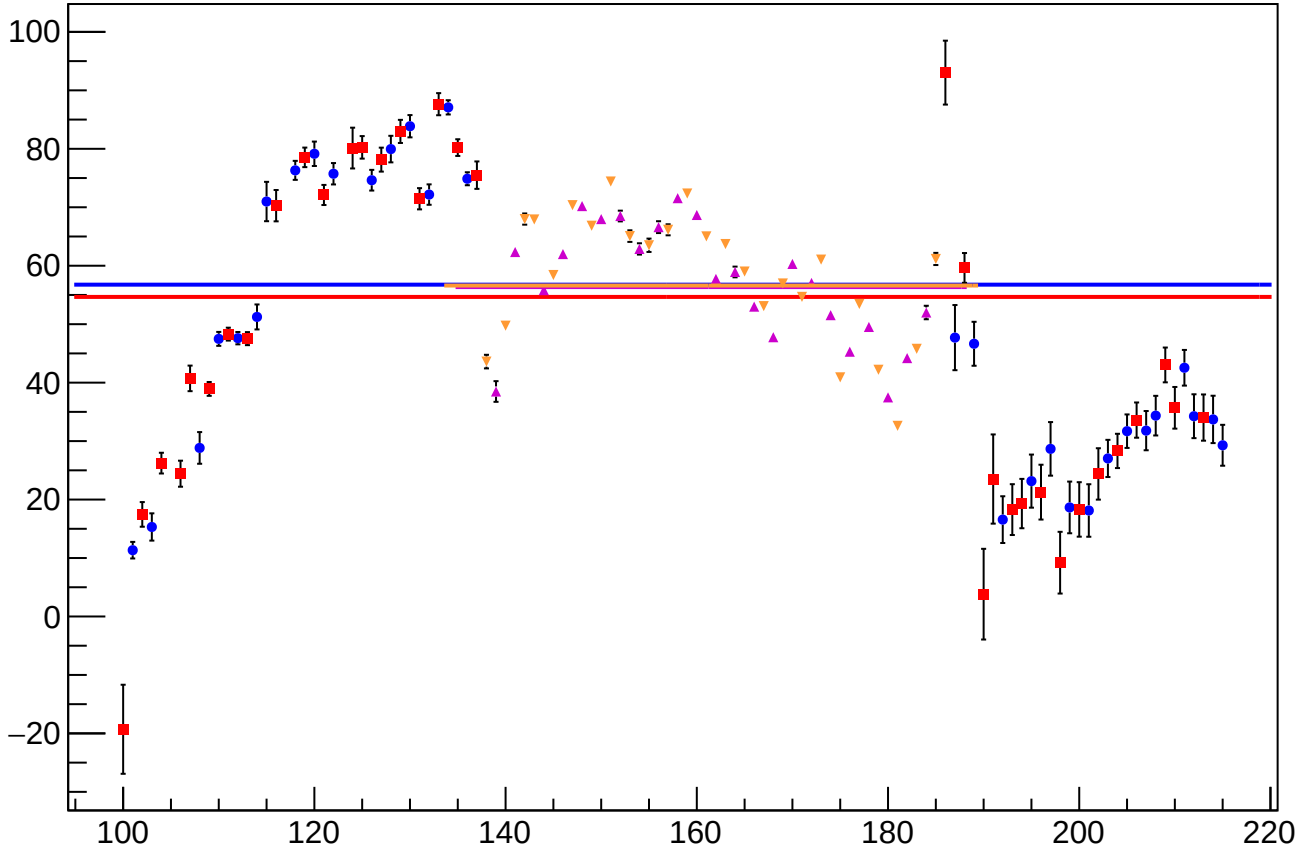
Right: -80.904+/-0.212 χ^2/NDF: 5809.6/64

In: -58.574+/-0.148 χ^2/NDF:27042.5/53

Out: -58.815+/-0.144 χ^2/NDF:31688.3/58

All: -58.698+/-0.103 χ^2/NDF: 58732.2/112

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 56.761+/-0.370 χ^2/NDF: 4114.9/30

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 54.664+/-0.372 χ^2/NDF: 3520.8/33

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

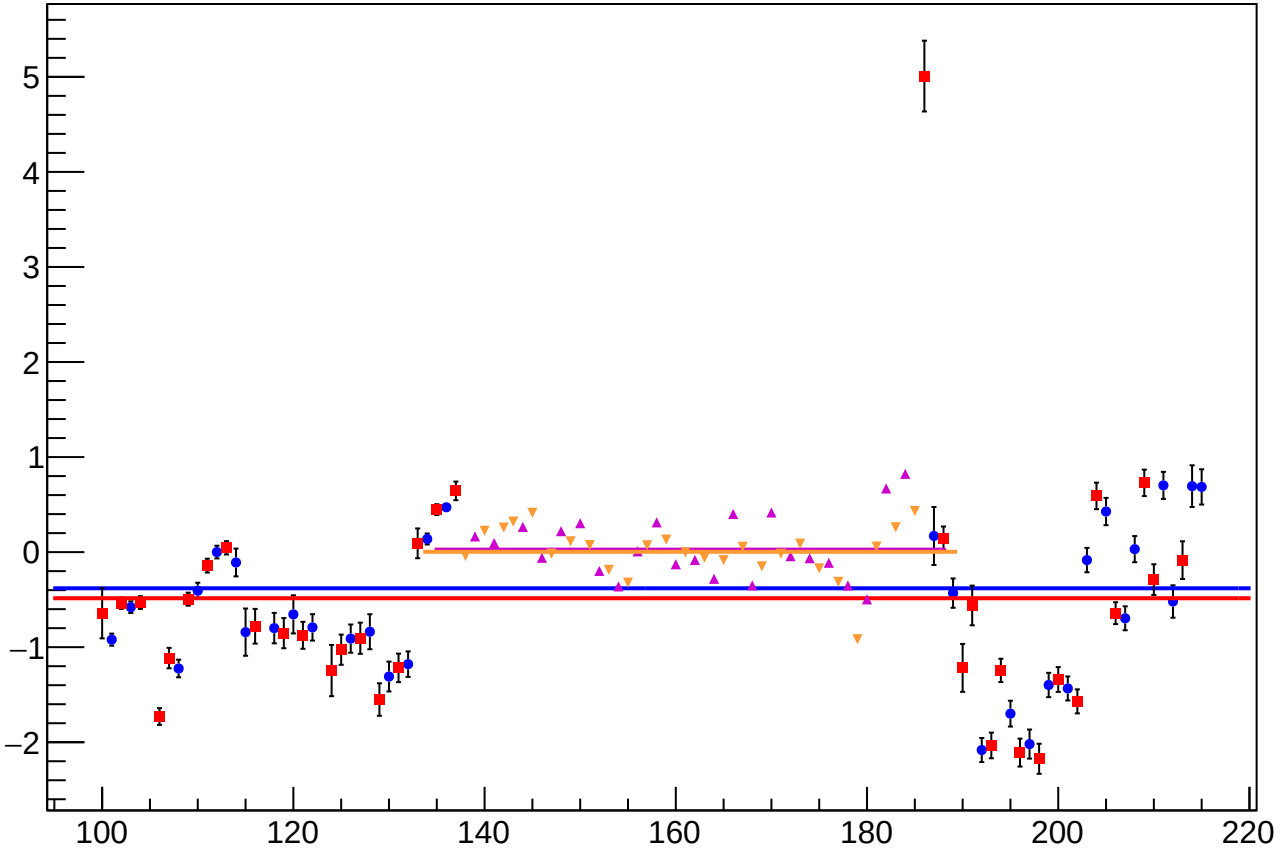
Right: 55.718+/-0.262 χ^2/NDF: 7651.7/64

In: 56.404+/-0.137 χ^2/NDF:8084.7/53

Out: 56.358+/-0.134 χ^2/NDF:9210.8/58

All: 56.381+/-0.096 χ^2/NDF: 17295.6/112

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.380+/-0.019 χ^2/NDF: 1442.8/30

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.485+/-0.019 χ^2/NDF: 1756.3/33

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

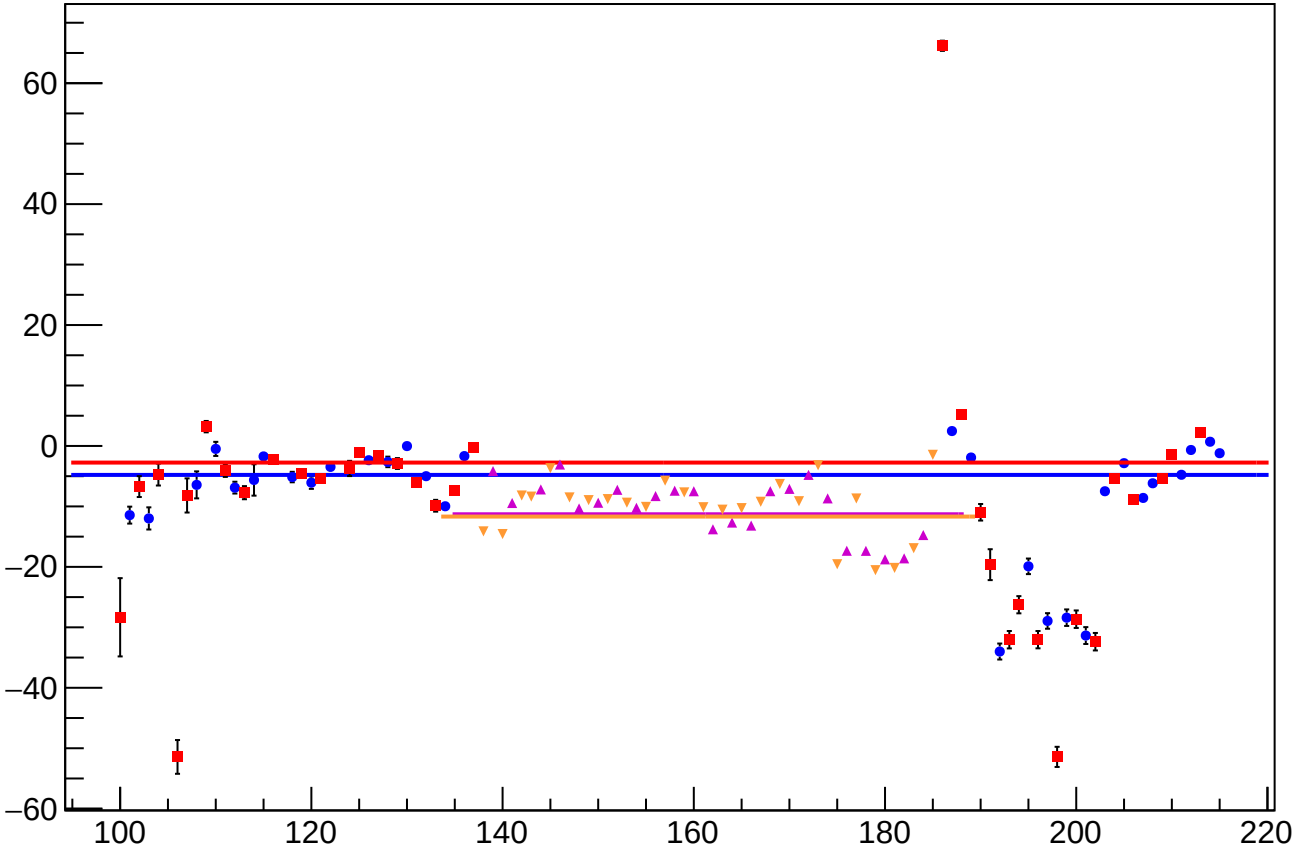
Right: -0.432+/-0.013 χ^2/NDF: 3214.4/64

In: -0.018+/-0.006 χ^2/NDF:4208.9/53

Out: -0.047+/-0.006 χ^2/NDF:4050.1/58

All: -0.033+/-0.004 χ^2/NDF: 8269.8/112

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.790+/-0.139 χ^2/NDF: 2178.2/30

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.750+/-0.146 χ^2/NDF: 10570.3/33

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

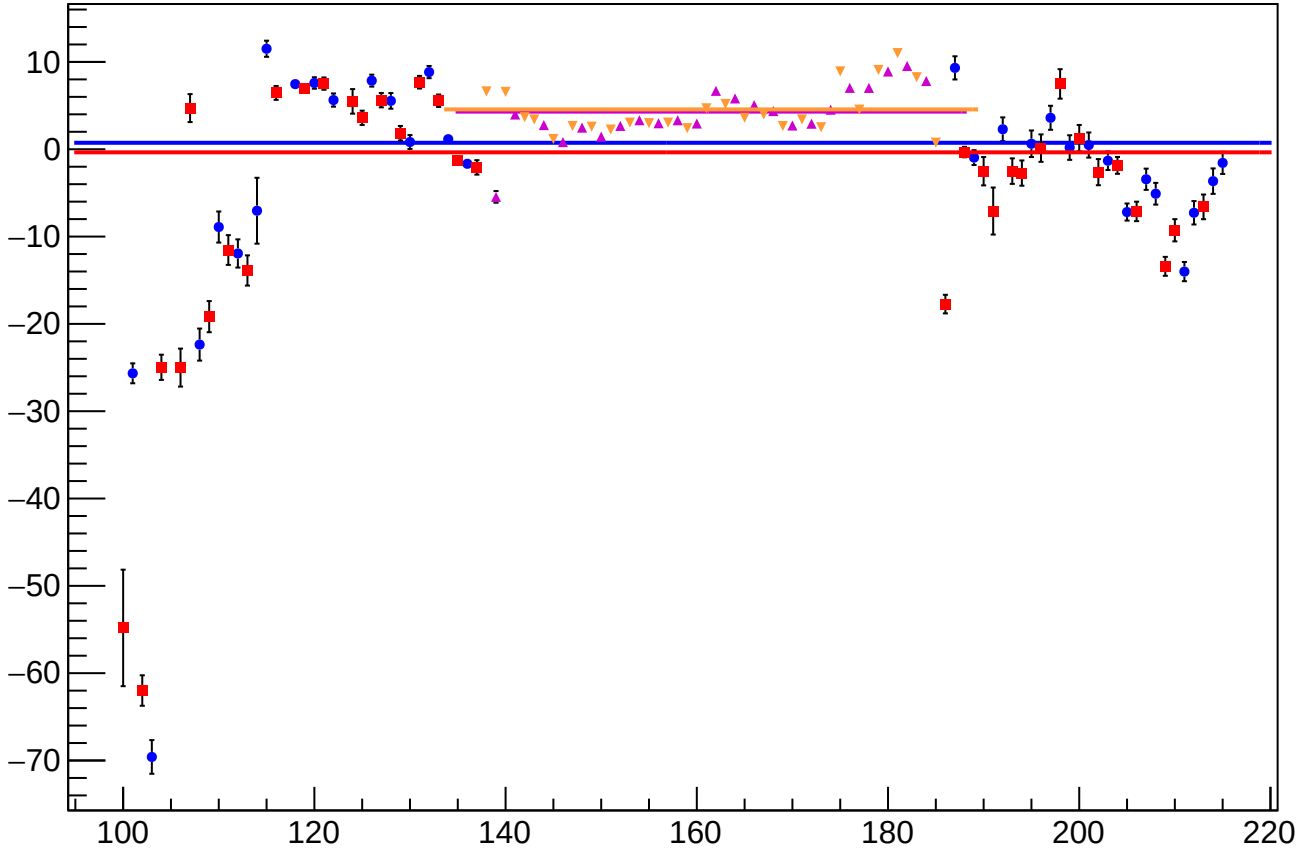
Right: -3.820+/-0.101 χ^2/NDF: 12850.5/64

In: -10.451+/-0.050 χ^2/NDF:13306.5/53

Out: -10.657+/-0.050 χ^2/NDF:26467.0/58

All: -10.556+/-0.035 χ^2/NDF: 39782.0/112

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.741+/-0.162 χ^2/NDF: 3257.7/30

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.353+/-0.172 χ^2/NDF: 3199.1/33

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

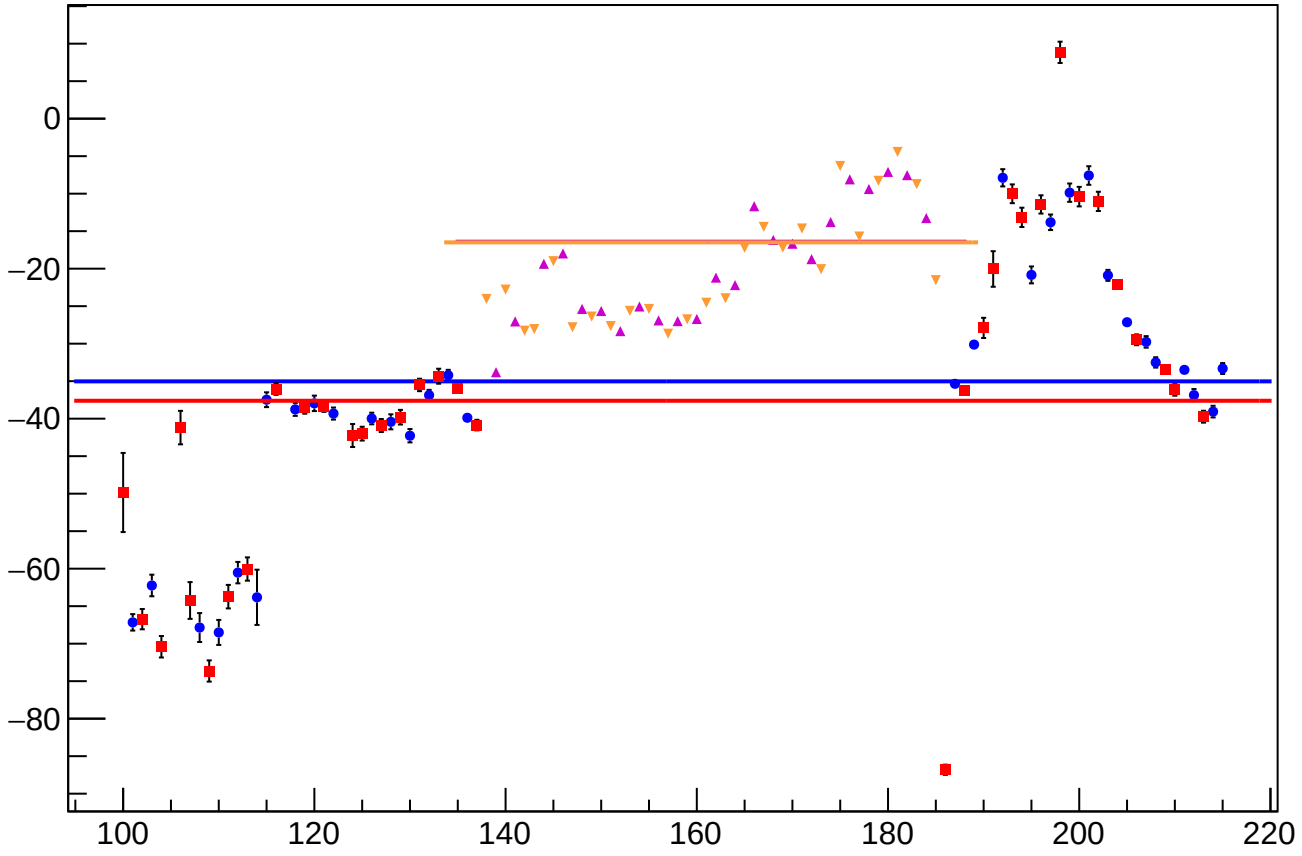
Right: 0.228+/-0.118 χ^2/NDF: 6478.2/64

In: 4.082+/-0.041 χ^2/NDF:7321.3/53

Out: 4.296+/-0.040 χ^2/NDF:8325.3/58

All: 4.190+/-0.029 χ^2/NDF: 15660.5/112

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -35.026+/-0.145 χ^2/NDF: 5427.9/30

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.612+/-0.149 χ^2/NDF: 11820.8/33

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

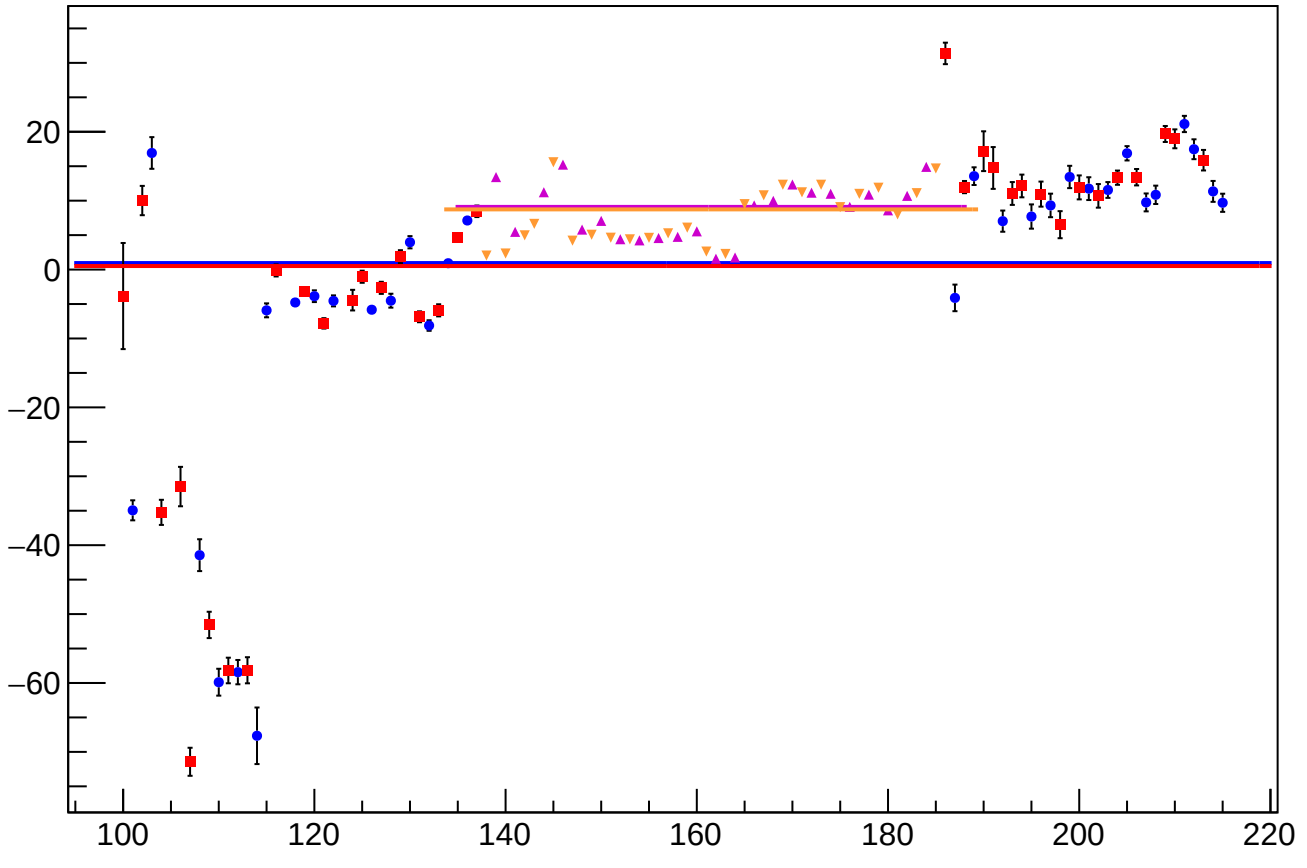
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.279+/-0.104 χ^2/NDF: 17403.2/64

In: -18.671+/-0.051 χ^2/NDF:37991.1/53

Out: -18.838+/-0.050 χ^2/NDF:51583.5/58

All: -18.756+/-0.035 χ^2/NDF: 89580.2/112



Right In: 0.944+/-0.181 χ^2/NDF: 5265.6/30

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.514+/-0.197 χ^2/NDF: 6602.9/33

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

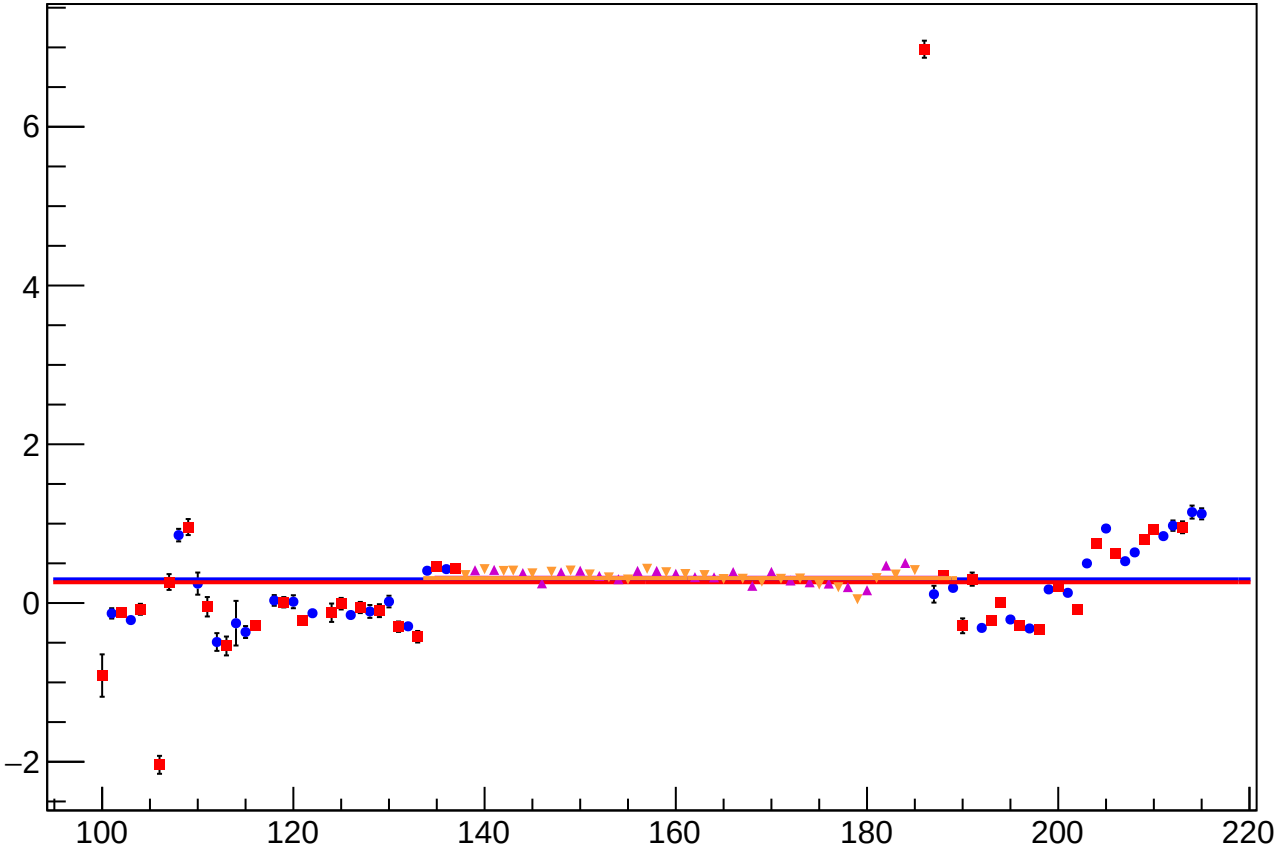
Right: 0.747+/-0.133 χ^2/NDF: 11871.0/64

In: 8.579+/-0.046 χ^2/NDF:12904.4/53

Out: 8.305+/-0.045 χ^2/NDF:15134.4/58

All: 8.440+/-0.032 χ^2/NDF: 28057.2/112

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.298+/-0.009 χ^2/NDF: 1712.7/30

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.262+/-0.010 χ^2/NDF: 5850.2/33

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

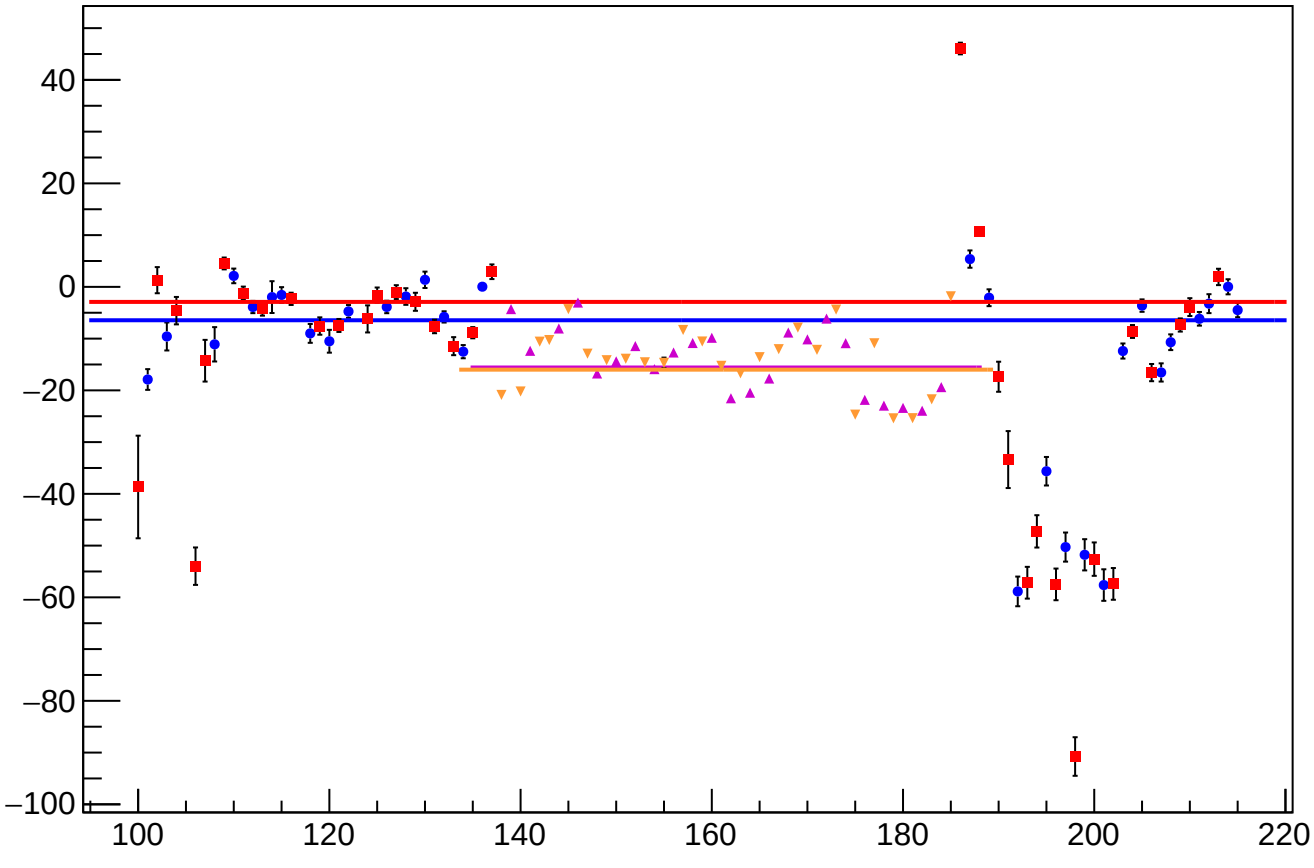
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.282+/-0.007 χ^2/NDF: 7570.4/64

In: 0.318+/-0.002 χ^2/NDF:3505.5/53

Out: 0.312+/-0.002 χ^2/NDF:7479.4/58

All: 0.315+/-0.001 χ^2/NDF: 10989.0/112



Right In: -6.452+/-0.272 χ^2/NDF: 1583.5/30

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.906+/-0.278 χ^2/NDF: 4588.5/33

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

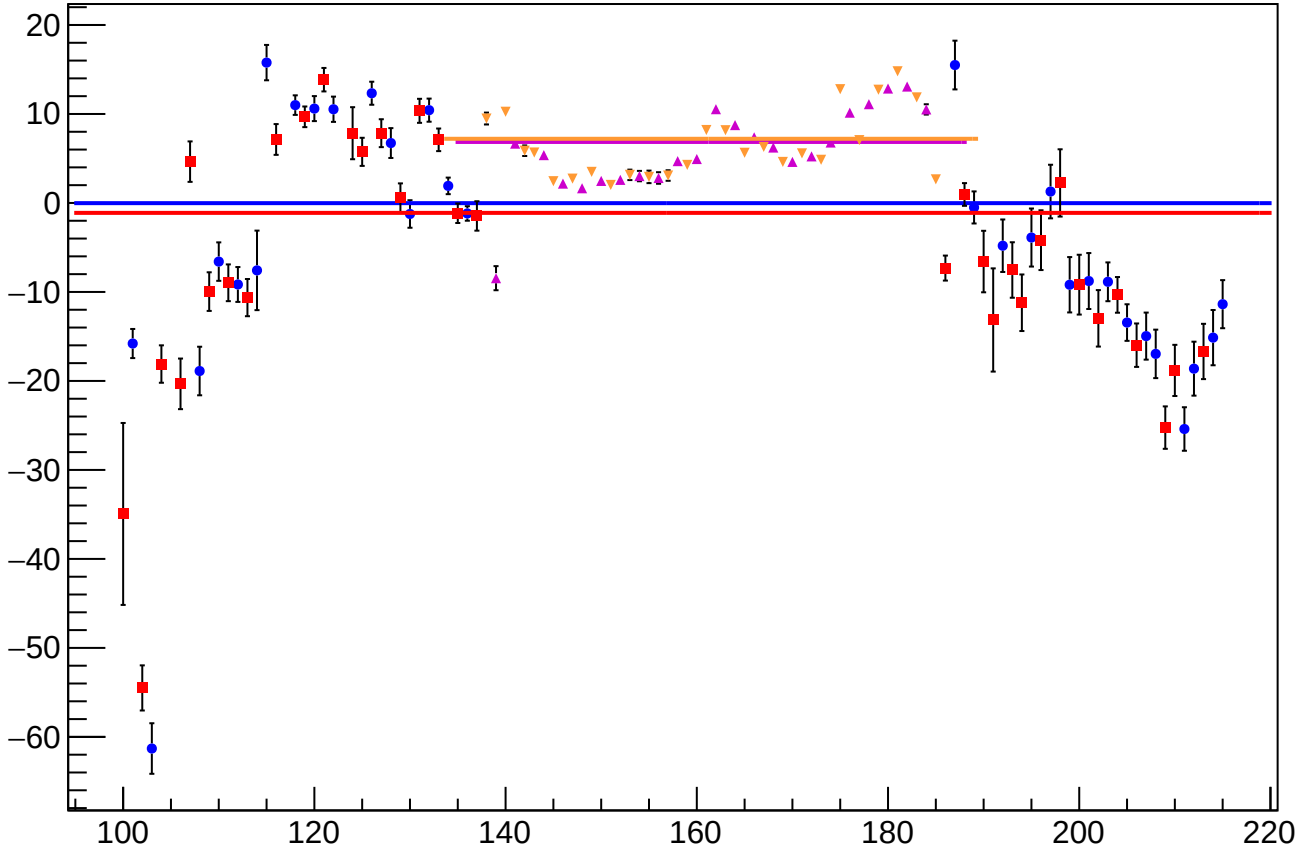
Right: -4.713+/-0.195 χ^2/NDF: 6255.0/64

In: -14.460+/-0.096 χ^2/NDF:7328.1/53

Out: -14.515+/-0.094 χ^2/NDF:12520.3/58

All: -14.488+/-0.067 χ^2/NDF: 19848.6/112

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.021+/-0.315 χ^2/NDF: 1464.6/30

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -1.114+/-0.328 χ^2/NDF: 1325.6/33

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

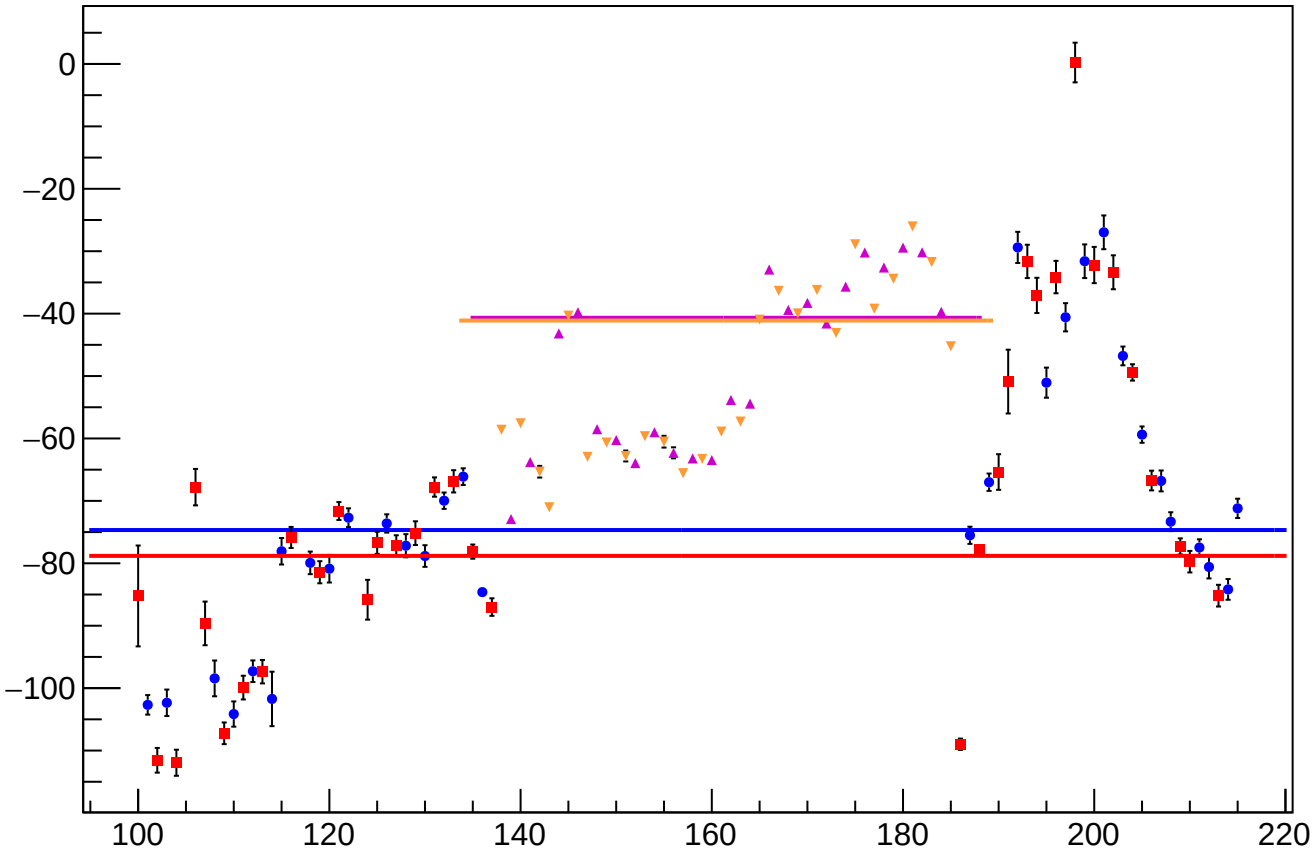
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: -0.546+/-0.227 χ^2/NDF: 2796.0/64

In: 6.429+/-0.079 χ^2/NDF:4067.3/53

Out: 6.743+/-0.078 χ^2/NDF:4390.6/58

All: 6.588+/-0.055 χ^2/NDF: 8466.0/112



Right In: -74.672+/-0.288 χ^2/NDF: 3064.3/30

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.809+/-0.288 χ^2/NDF: 4934.1/33

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

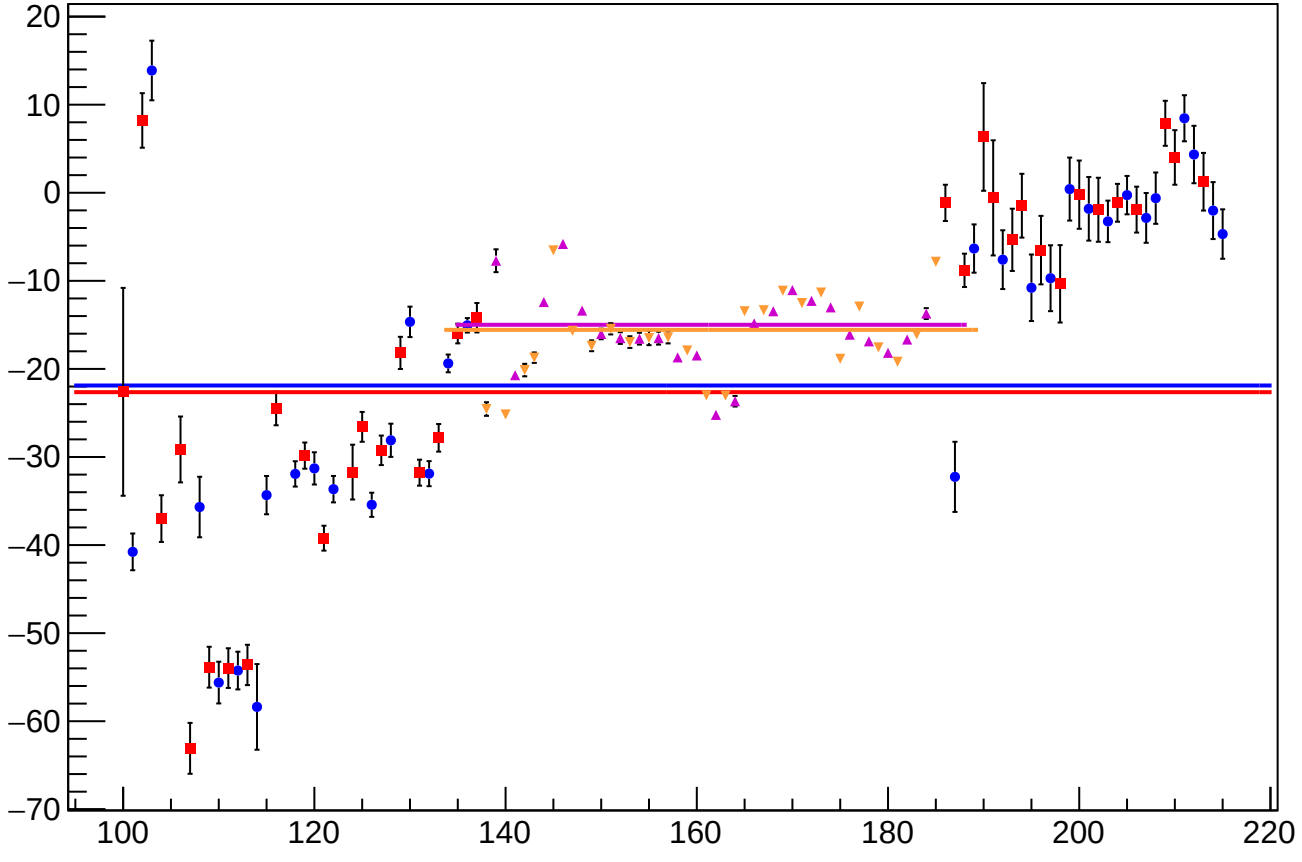
Right: -76.740+/-0.203 χ^2/NDF: 8101.9/64

In: -44.480+/-0.096 χ^2/NDF:29022.9/53

Out: -45.179+/-0.094 χ^2/NDF:36269.8/58

All: -44.836+/-0.067 χ^2/NDF: 65319.5/112

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -21.883+/-0.352 χ^2/NDF: 1797.8/30

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -22.639+/-0.376 χ^2/NDF: 1972.3/33

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

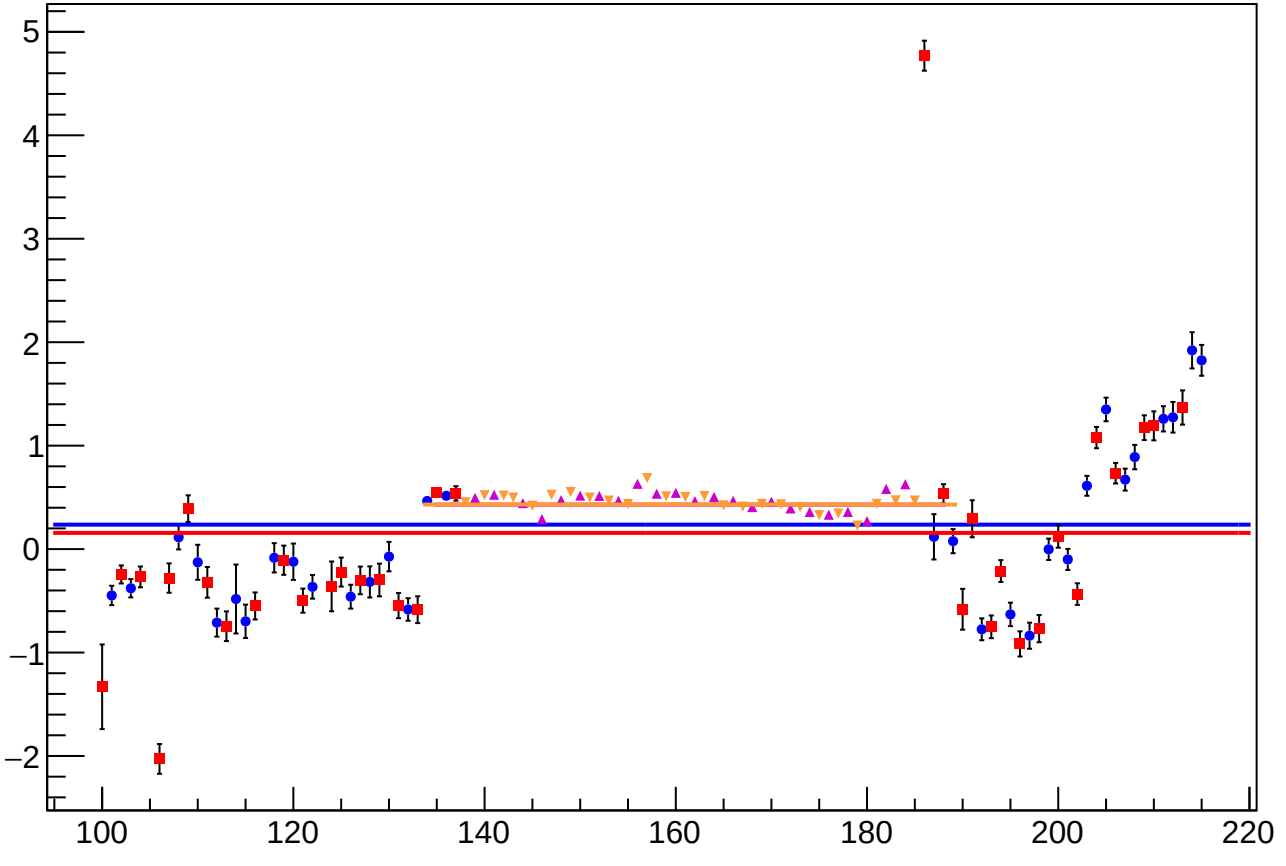
Right: -22.236+/-0.257 χ^2/NDF: 3772.2/64

In: -15.415+/-0.087 χ^2/NDF:4308.4/53

Out: -15.937+/-0.086 χ^2/NDF:4857.5/58

All: -15.679+/-0.061 χ^2/NDF: 9183.9/112

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.236+/-0.018 χ^2/NDF: 1159.9/30

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.157+/-0.019 χ^2/NDF: 2189.7/33

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

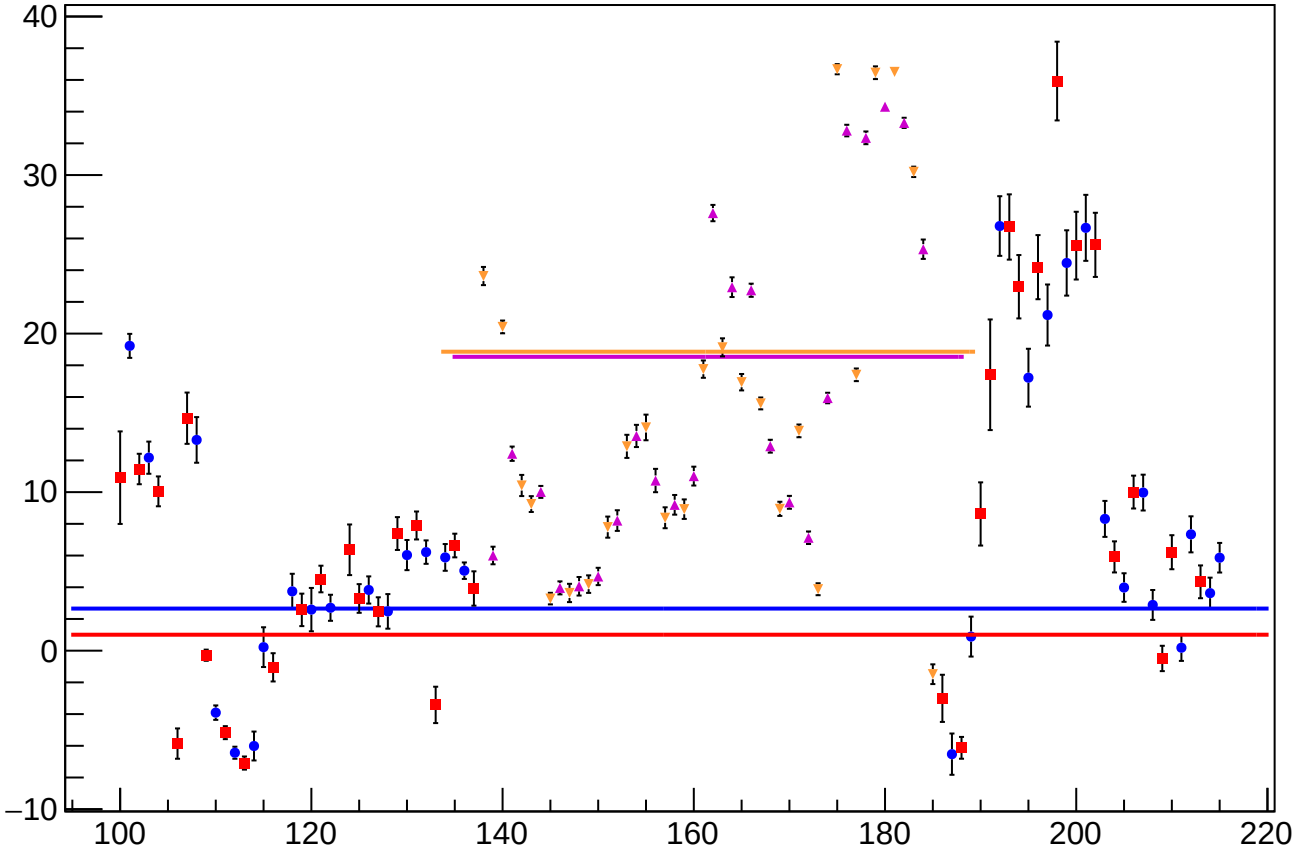
Right: 0.200+/-0.013 χ^2/NDF: 3359.0/64

In: 0.420+/-0.004 χ^2/NDF:1858.8/53

Out: 0.419+/-0.004 χ^2/NDF:2804.5/58

All: 0.420+/-0.003 χ^2/NDF: 4663.3/112

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.656+/-0.157 χ^2/NDF: 2293.3/30

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 1.007+/-0.149 χ^2/NDF: 2365.5/33

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

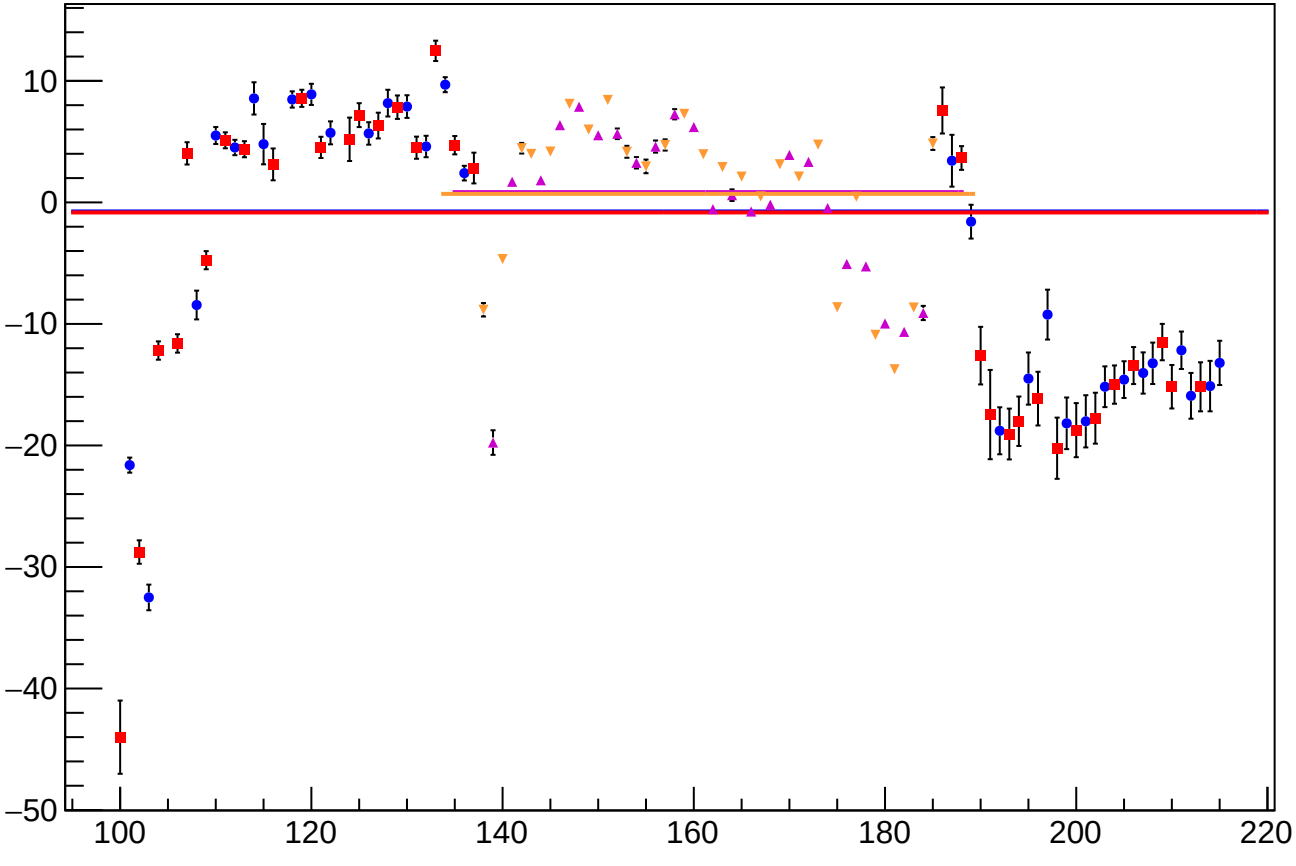
Right: 1.787+/-0.108 χ^2/NDF: 4717.0/64

In: 14.385+/-0.080 χ^2/NDF:23940.1/53

Out: 14.036+/-0.077 χ^2/NDF:31270.6/58

All: 14.204+/-0.056 χ^2/NDF: 55220.5/112

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.744+/-0.186 χ^2/NDF: 3966.3/30

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.826+/-0.185 χ^2/NDF: 3235.6/33

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

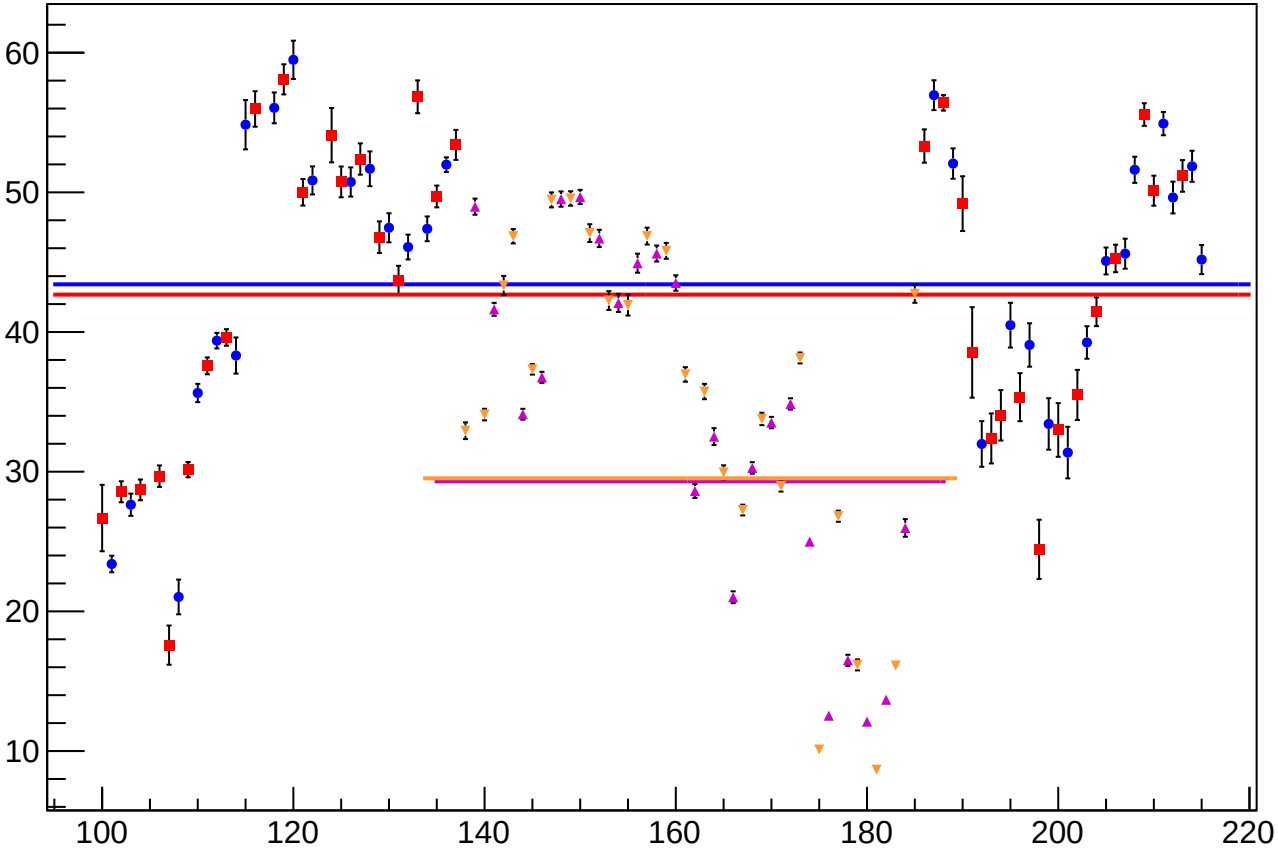
Right: -0.785+/-0.131 χ^2/NDF: 7202.0/64

In: 0.638+/-0.067 χ^2/NDF:10074.9/53

Out: 0.508+/-0.066 χ^2/NDF:11532.9/58

All: 0.572+/-0.047 χ^2/NDF: 21609.7/112

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.414+/-0.172 χ^2/NDF: 3569.6/30

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.675+/-0.168 χ^2/NDF: 4115.8/33

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

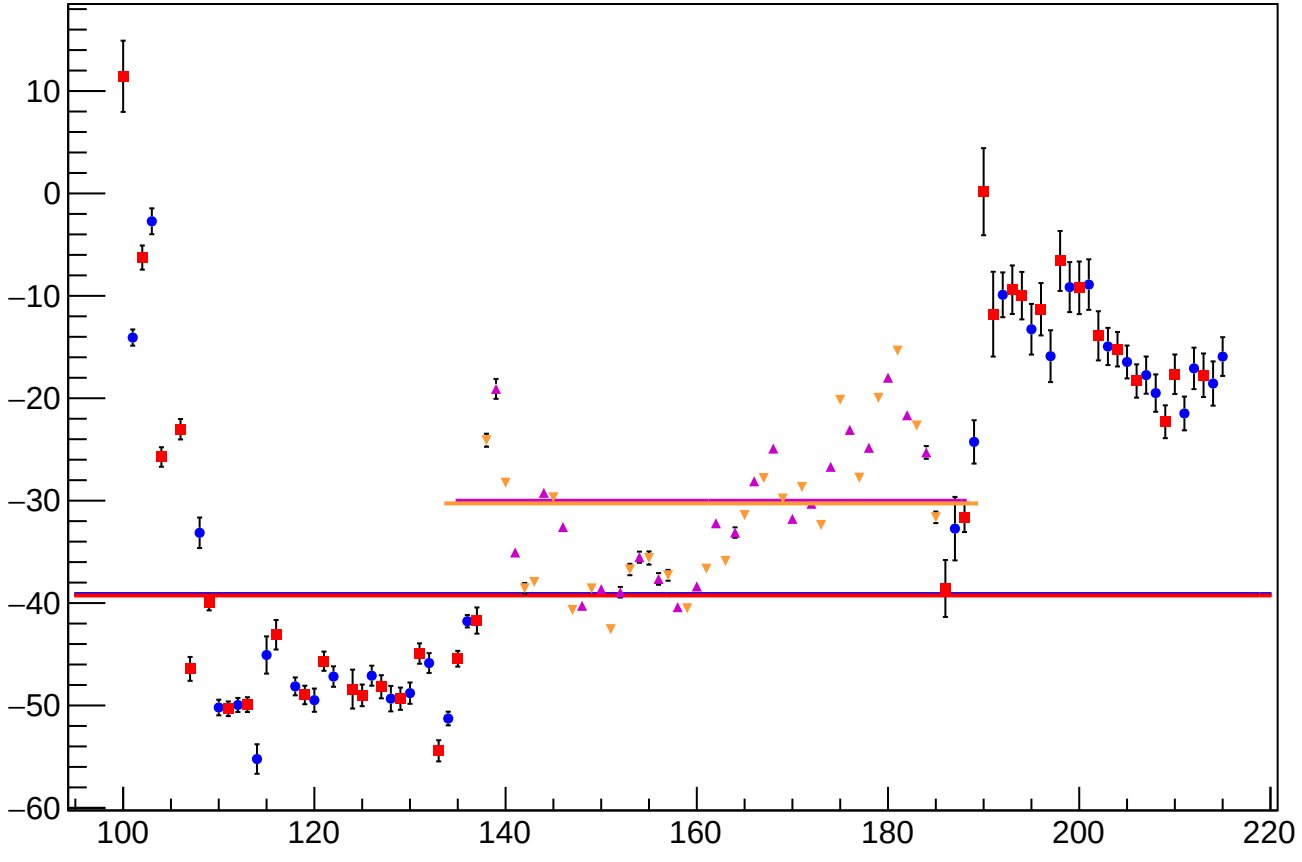
Right: 43.036+/-0.120 χ^2/NDF: 7694.9/64

In: 32.501+/-0.082 χ^2/NDF:26641.3/53

Out: 32.492+/-0.080 χ^2/NDF:29952.7/58

All: 32.496+/-0.057 χ^2/NDF: 56594.0/112

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -39.123+/-0.210 χ^2/NDF: 5144.6/30

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -39.255+/-0.211 χ^2/NDF: 4380.1/33

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

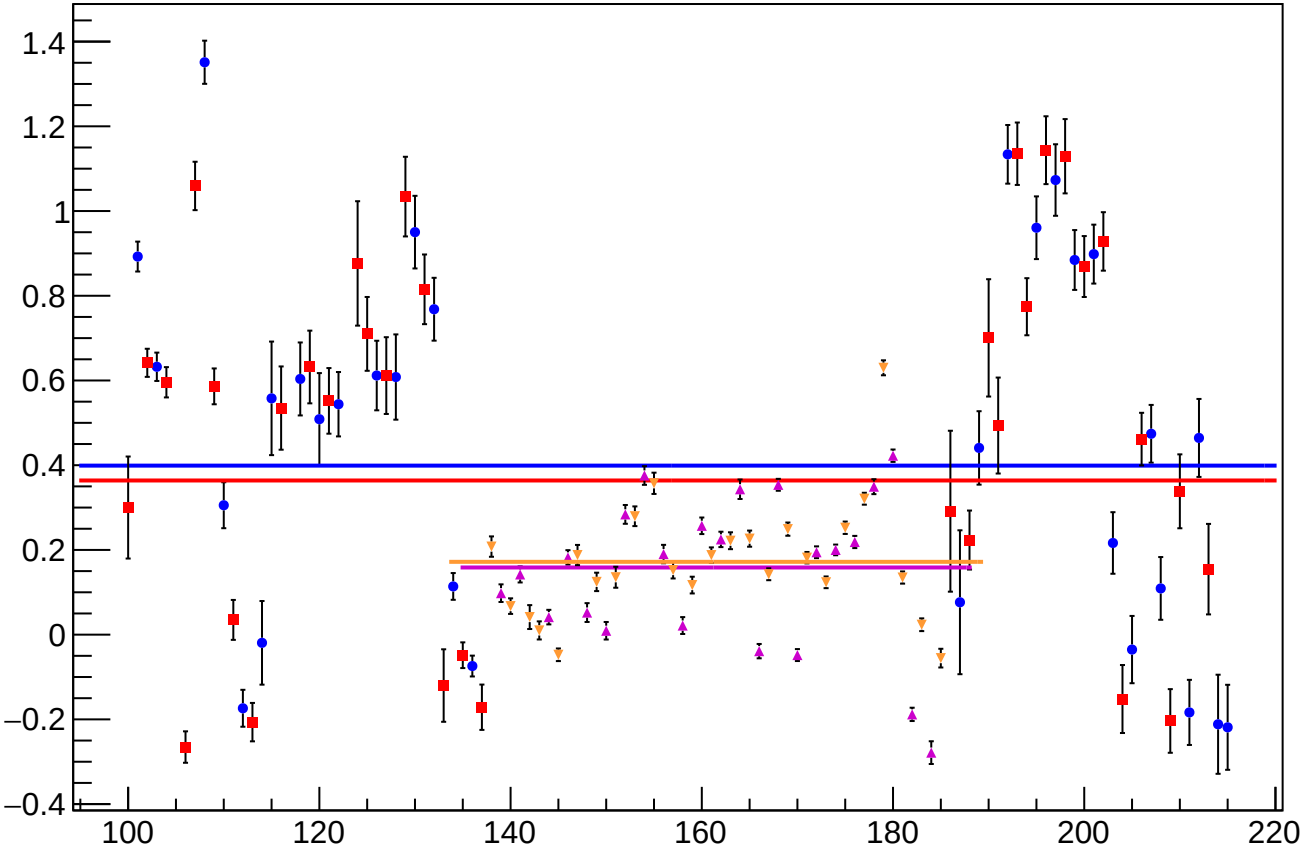
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -39.189+/-0.149 χ^2/NDF: 9524.8/64

In: -31.196+/-0.076 χ^2/NDF:12859.9/53

Out: -31.374+/-0.074 χ^2/NDF:14463.3/58

All: -31.287+/-0.053 χ^2/NDF: 27326.0/112



Right In: 0.399+/-0.011 χ^2/NDF: 1839.8/30

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.364+/-0.010 χ^2/NDF: 1784.4/33

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

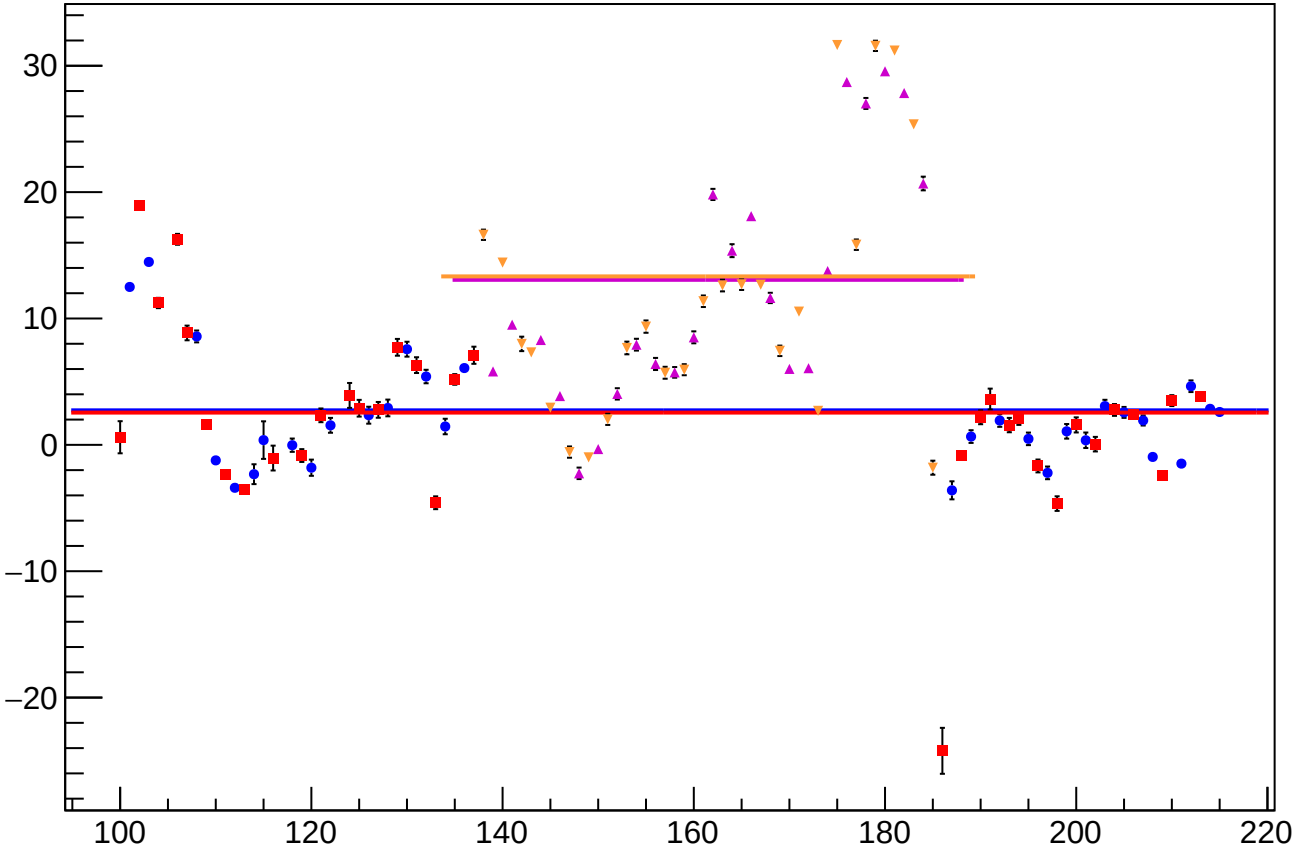
Right: 0.381+/-0.007 χ^2/NDF: 3629.8/64

In: 0.184+/-0.003 χ^2/NDF:4493.7/53

Out: 0.192+/-0.003 χ^2/NDF:3586.5/58

All: 0.188+/-0.002 χ^2/NDF: 8082.6/112

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.731+/-0.082 χ^2/NDF: 3352.0/30

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.554+/-0.079 χ^2/NDF: 5398.6/33

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

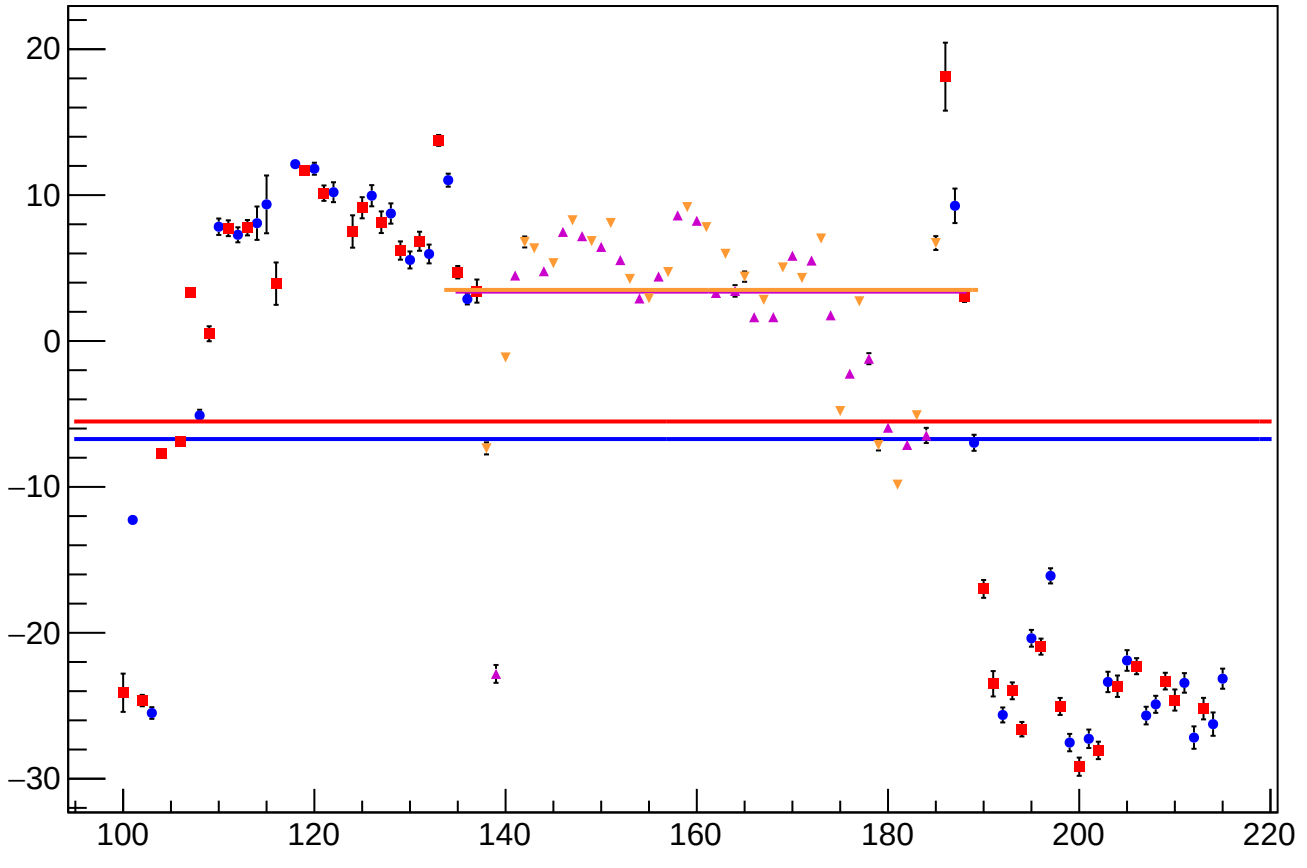
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.639+/-0.057 χ^2/NDF: 8753.0/64

In: 8.070+/-0.057 χ^2/NDF:27106.3/53

Out: 8.122+/-0.055 χ^2/NDF:34355.6/58

All: 8.097+/-0.040 χ^2/NDF: 61462.3/112



Right In: -6.721+/-0.095 χ^2/NDF: 24739.7/30

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -5.516+/-0.090 χ^2/NDF: 26290.4/33

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

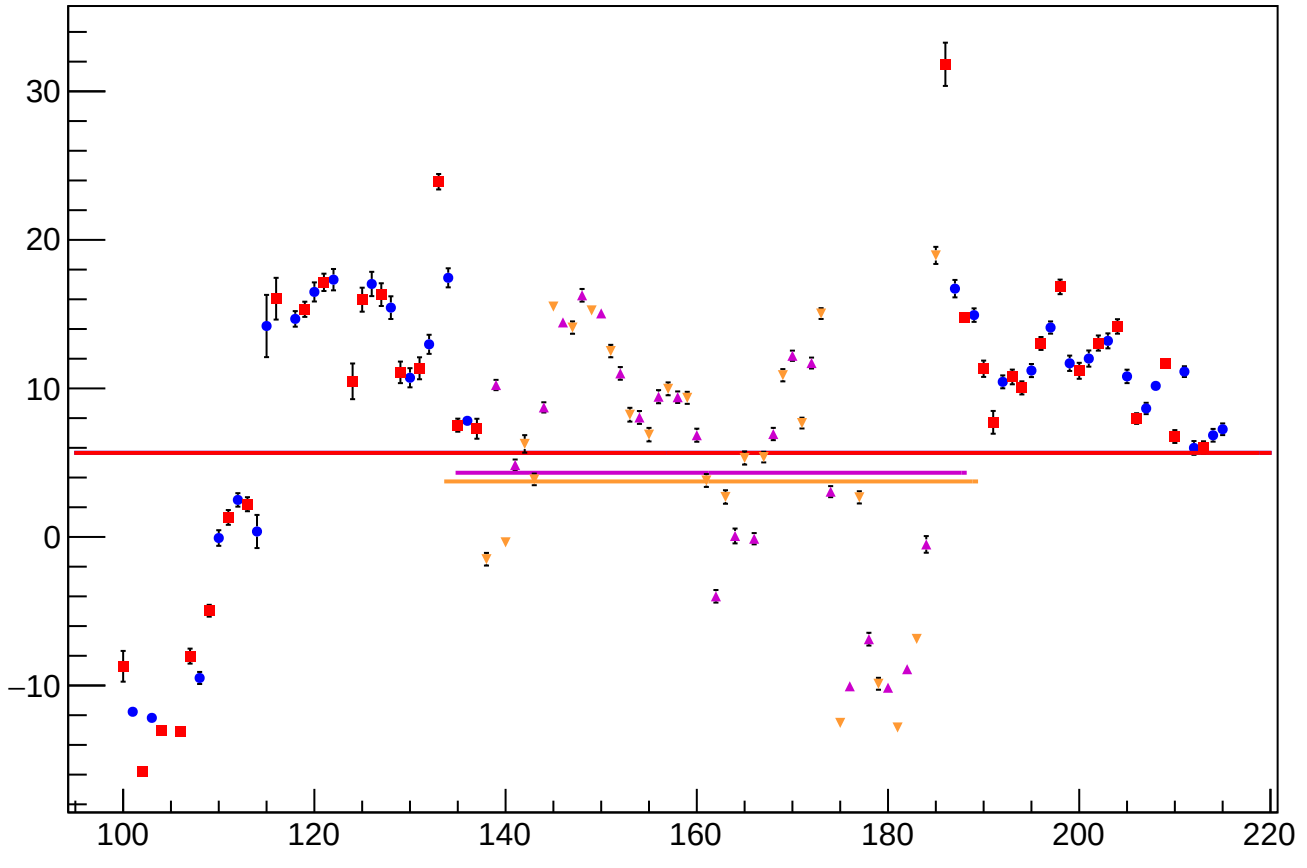
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -6.089+/-0.065 χ^2/NDF: 51115.0/64

In: 0.421+/-0.051 χ^2/NDF:39497.4/53

Out: 0.829+/-0.049 χ^2/NDF:41231.2/58

All: 0.634+/-0.035 χ^2/NDF: 80761.7/112



Right In: 5.666+/-0.082 χ^2/NDF: 14147.1/30

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.660+/-0.078 χ^2/NDF: 20396.3/33

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

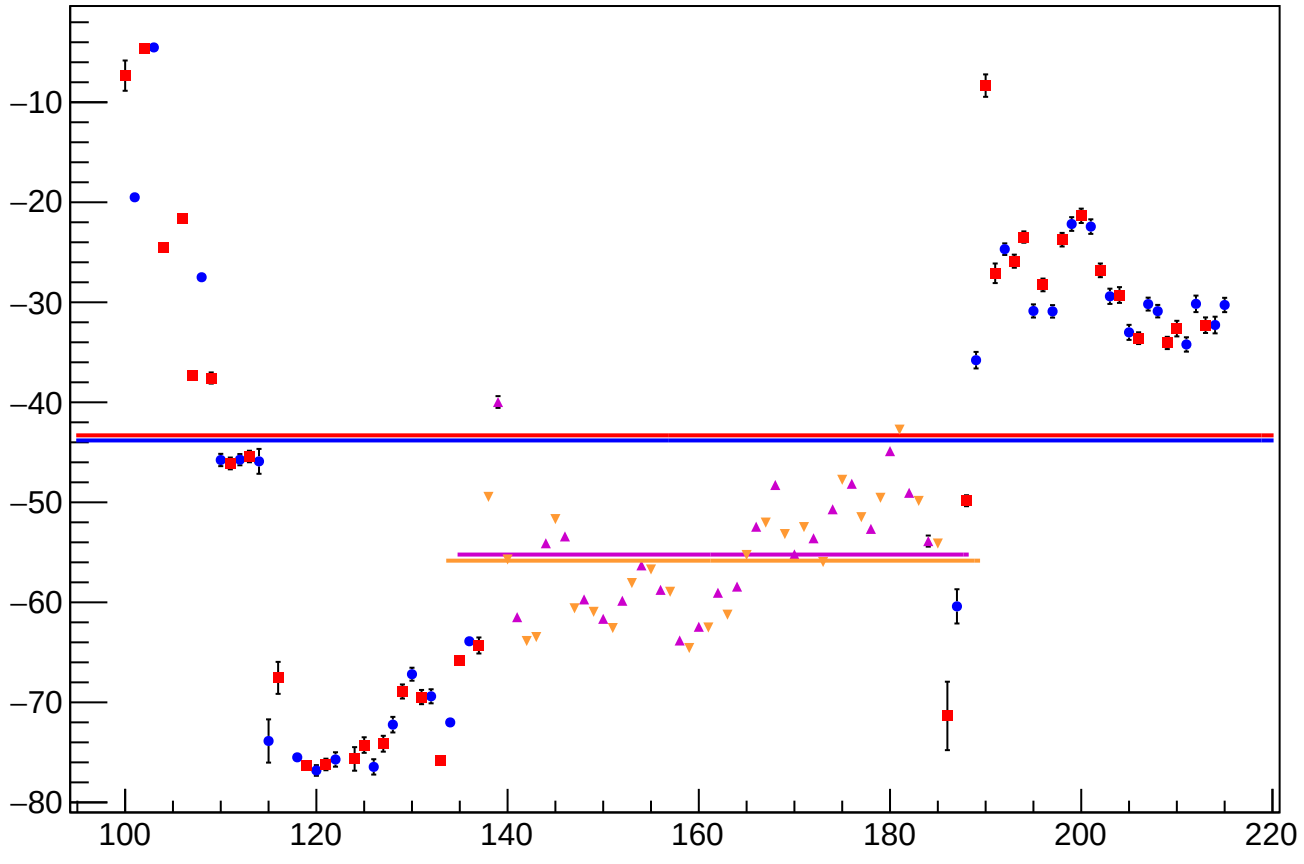
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.663+/-0.056 χ^2/NDF: 34543.4/64

In: 4.969+/-0.057 χ^2/NDF:26771.0/53

Out: 4.676+/-0.055 χ^2/NDF:36291.8/58

All: 4.818+/-0.039 χ^2/NDF: 63076.8/112



Right In: -43.812+/-0.110 χ^2/NDF: 43144.7/30

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -43.303+/-0.106 χ^2/NDF: 43999.2/33

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

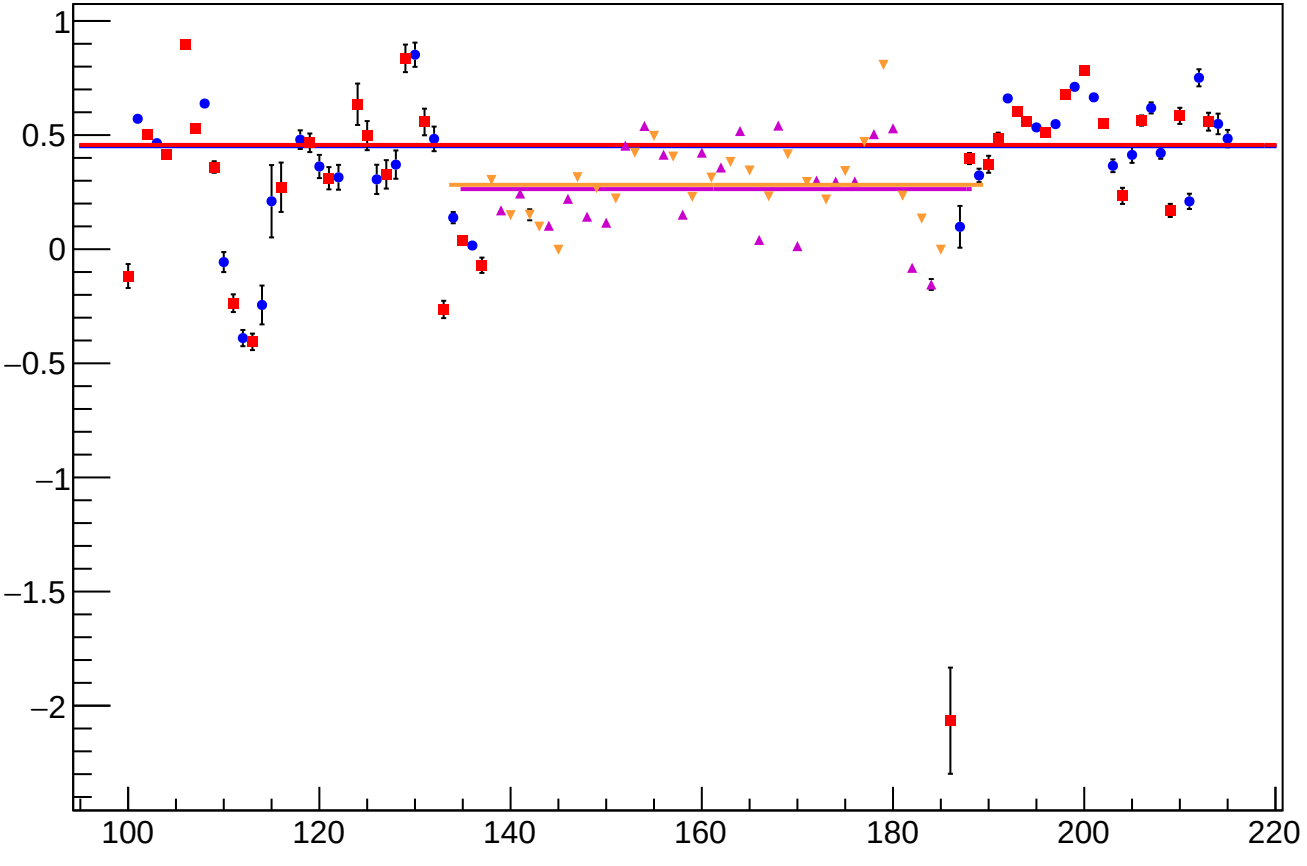
Right: -43.550+/-0.076 χ^2/NDF: 87155.0/64

In: -52.006+/-0.058 χ^2/NDF:57260.6/53

Out: -52.322+/-0.056 χ^2/NDF:61583.4/58

All: -52.169+/-0.040 χ^2/NDF: 118859.2/112

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.451+/-0.005 χ^2/NDF: 2729.7/30

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.457+/-0.004 χ^2/NDF: 3769.8/33

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

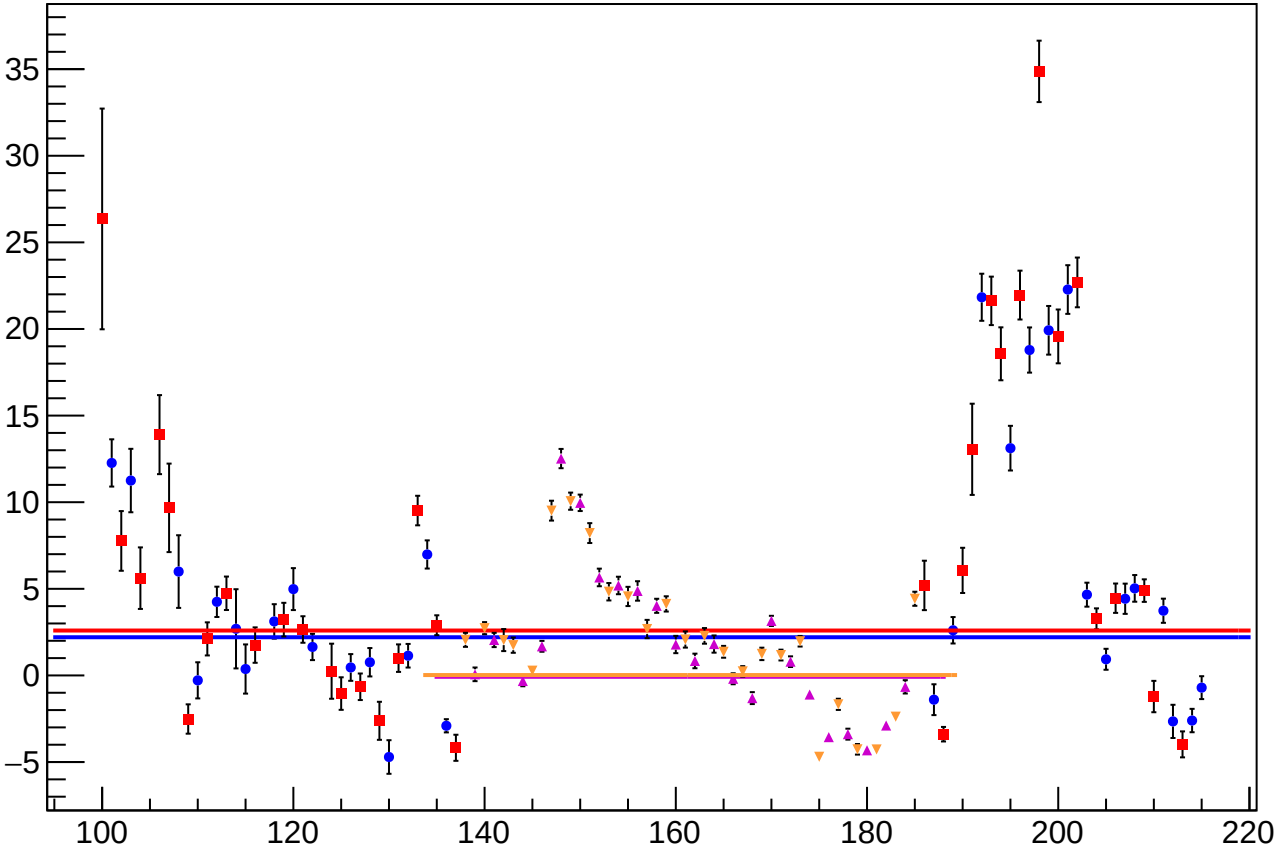
Right: 0.454+/-0.003 χ^2/NDF: 6500.3/64

In: 0.320+/-0.003 χ^2/NDF:7728.6/53

Out: 0.337+/-0.002 χ^2/NDF:7571.2/58

All: 0.329+/-0.002 χ^2/NDF: 15323.7/112

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.204+/-0.152 χ^2/NDF: 1336.3/30

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.592+/-0.160 χ^2/NDF: 1782.1/33

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

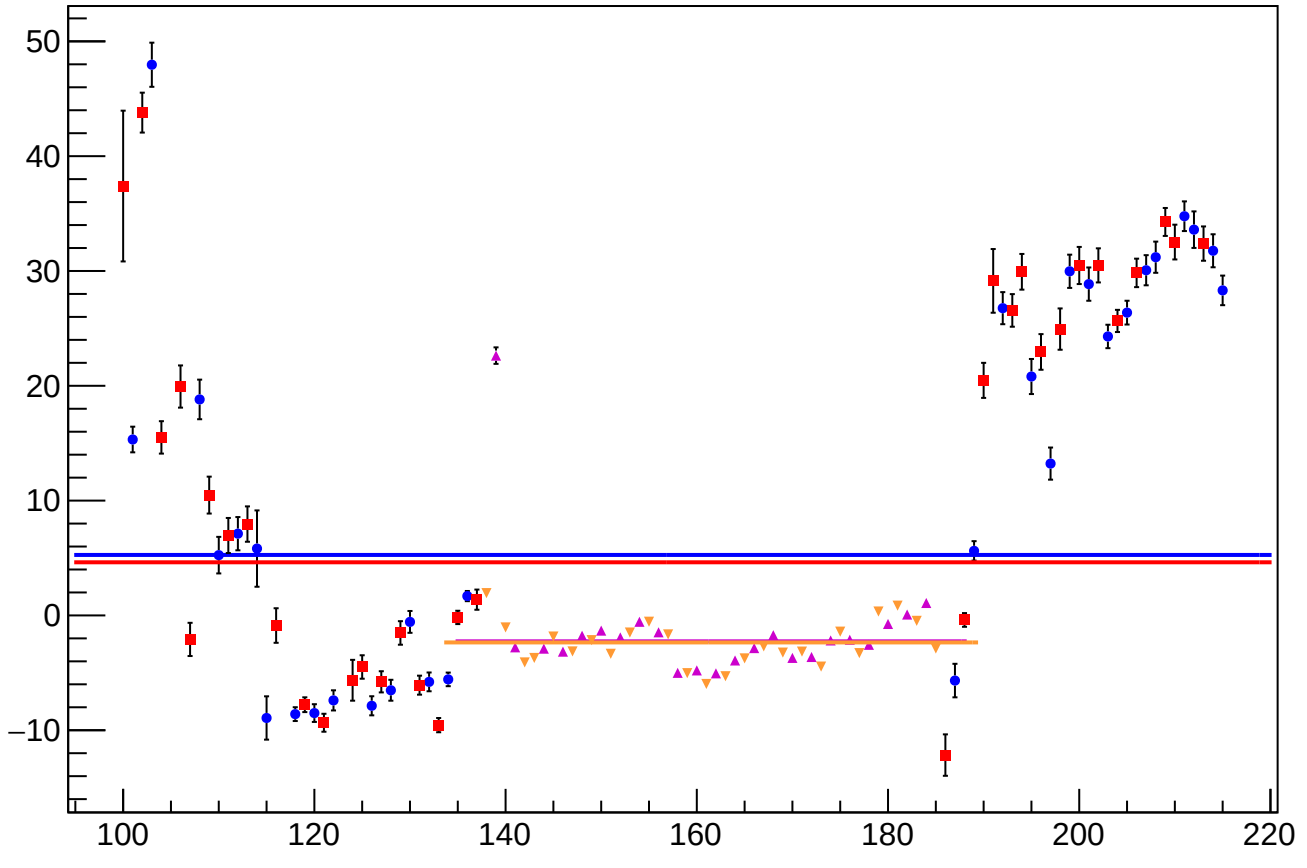
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.389+/-0.110 χ^2/NDF: 3121.5/64

In: 0.327+/-0.064 χ^2/NDF:3986.7/53

Out: 0.422+/-0.063 χ^2/NDF:4760.0/58

All: 0.375+/-0.045 χ^2/NDF: 8747.8/112



Right In: 5.268+/-0.180 χ^2/NDF: 6757.2/30

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 4.627+/-0.187 χ^2/NDF: 6292.2/33

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

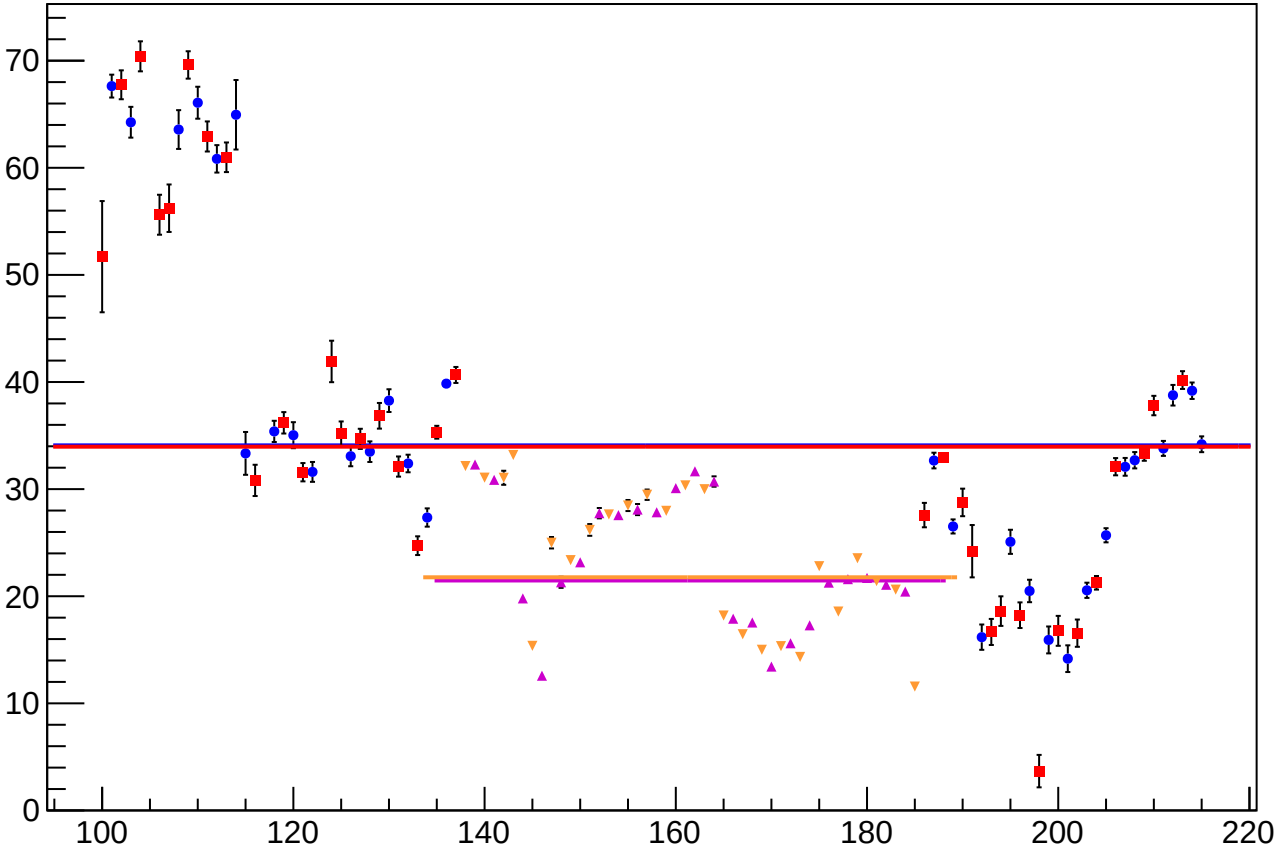
Right: 4.960+/-0.130 χ^2/NDF: 13055.5/64

In: -1.583+/-0.054 χ^2/NDF:10229.4/53

Out: -1.796+/-0.053 χ^2/NDF:8695.8/58

All: -1.691+/-0.038 χ^2/NDF: 18933.2/112

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 34.085+/-0.157 χ^2/NDF: 4660.0/30

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.963+/-0.161 χ^2/NDF: 5168.1/33

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

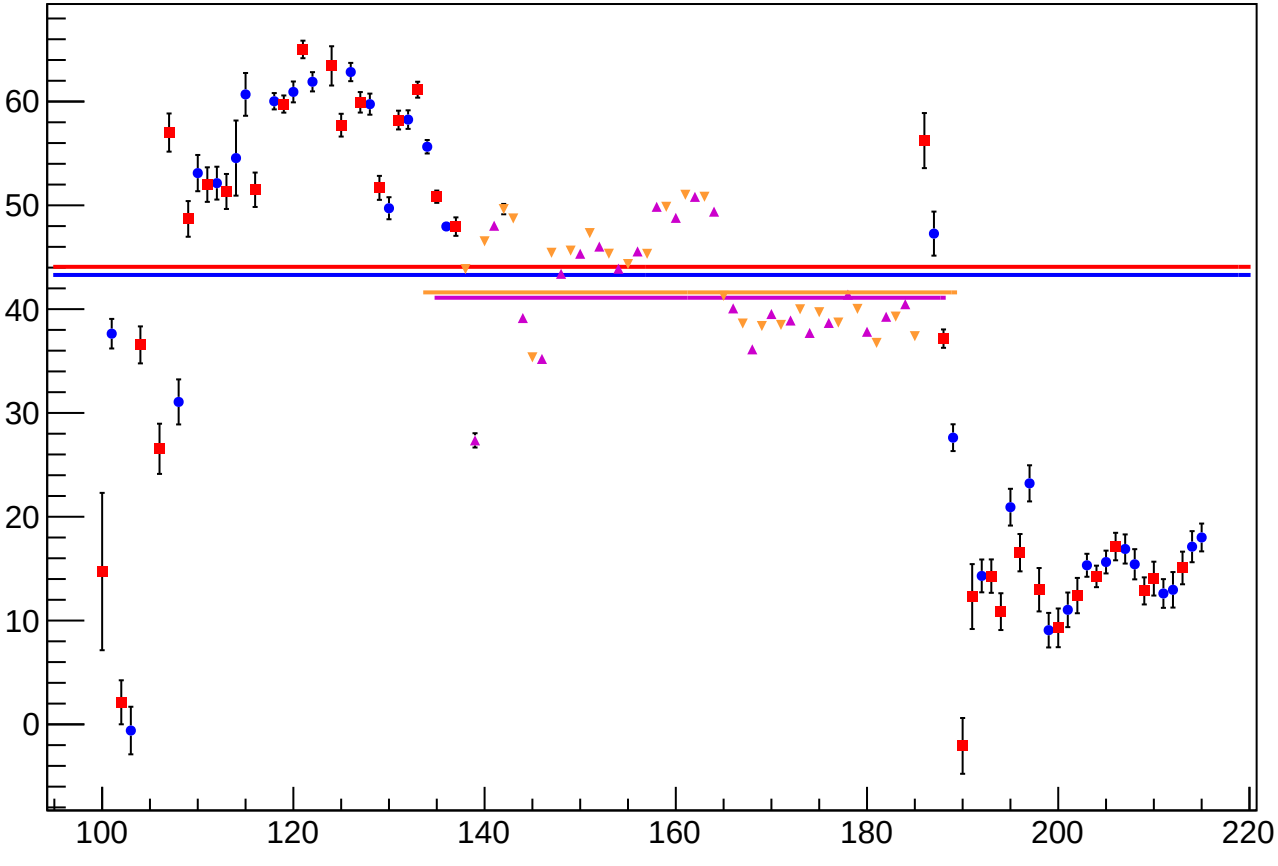
Right: 34.026+/-0.112 χ^2/NDF: 9828.3/64

In: 23.597+/-0.064 χ^2/NDF:15823.7/53

Out: 23.658+/-0.063 χ^2/NDF:16843.1/58

All: 23.628+/-0.045 χ^2/NDF: 32667.3/112

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.293+/-0.202 χ^2/NDF: 8305.7/30

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 44.076+/-0.215 χ^2/NDF: 7838.5/33

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

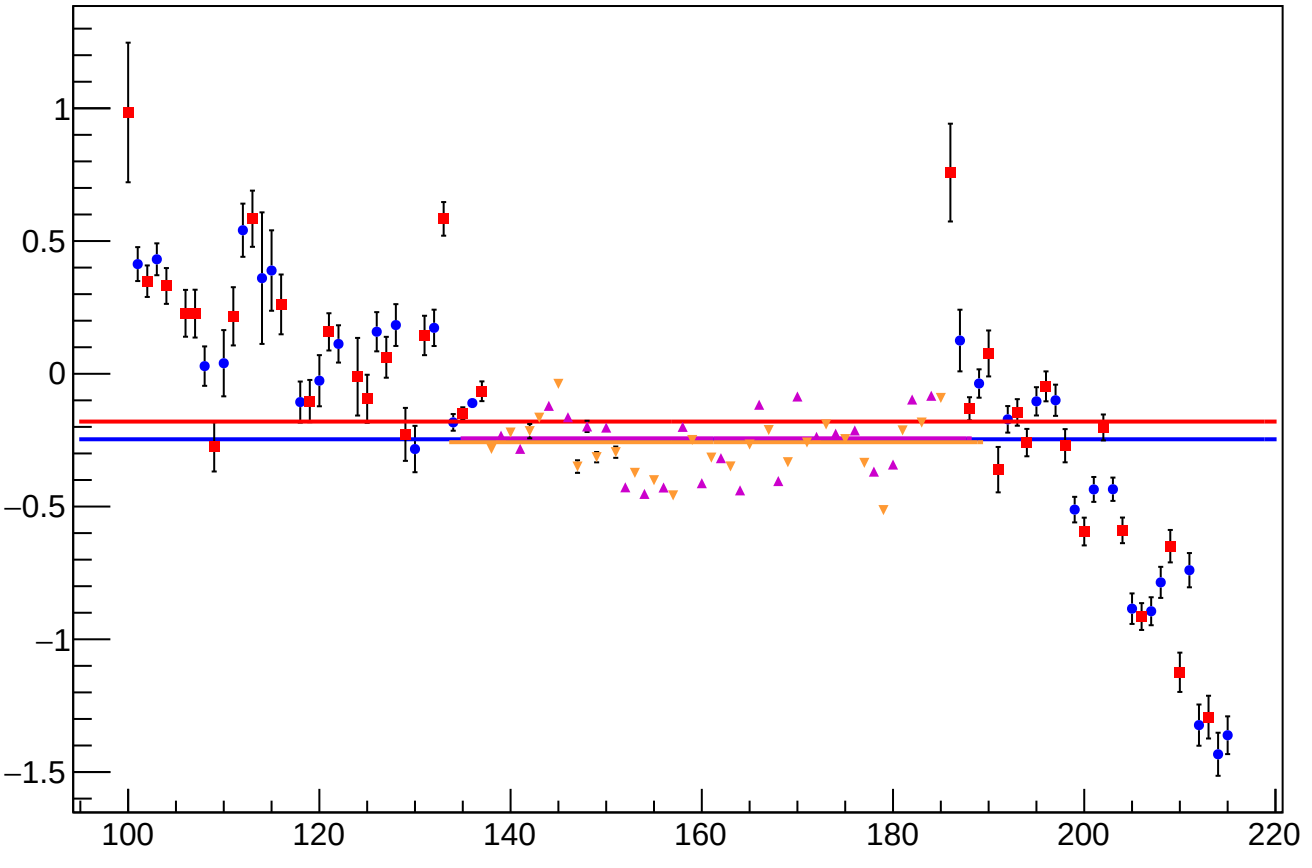
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 43.660+/-0.147 χ^2/NDF: 16151.3/64

In: 41.291+/-0.060 χ^2/NDF:13891.8/53

Out: 41.798+/-0.059 χ^2/NDF:13735.9/58

All: 41.549+/-0.042 χ^2/NDF: 27664.2/112



Right In: -0.247+/-0.010 χ^2/NDF: 1706.7/30

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.180+/-0.010 χ^2/NDF: 1301.9/33

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

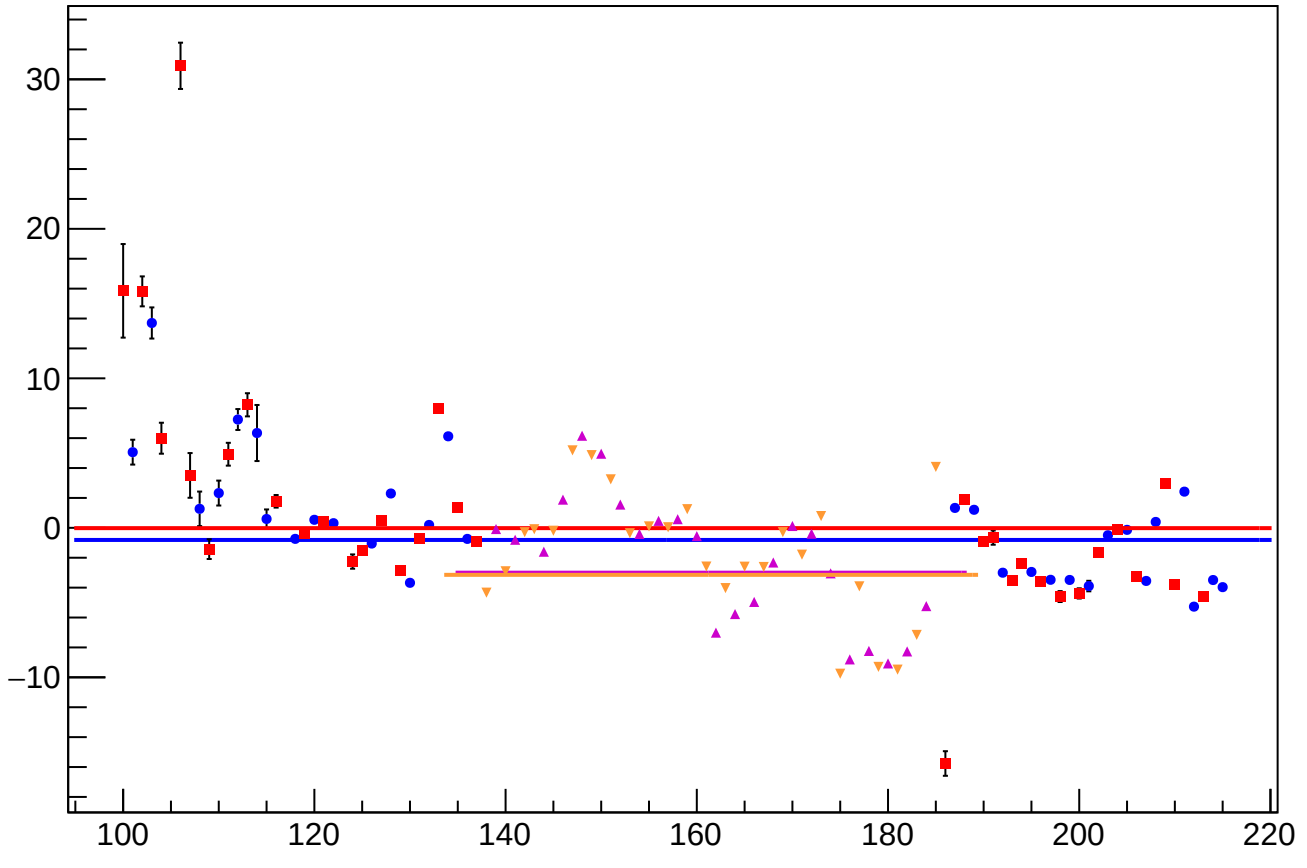
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.216+/-0.007 χ^2/NDF: 3030.8/64

In: -0.243+/-0.003 χ^2/NDF:3518.6/53

Out: -0.253+/-0.003 χ^2/NDF:2869.5/58

All: -0.248+/-0.002 χ^2/NDF: 6394.3/112



Right In: -0.811+/-0.046 χ^2/NDF: 3198.7/30

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: -0.021+/-0.047 χ^2/NDF: 5570.1/33

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

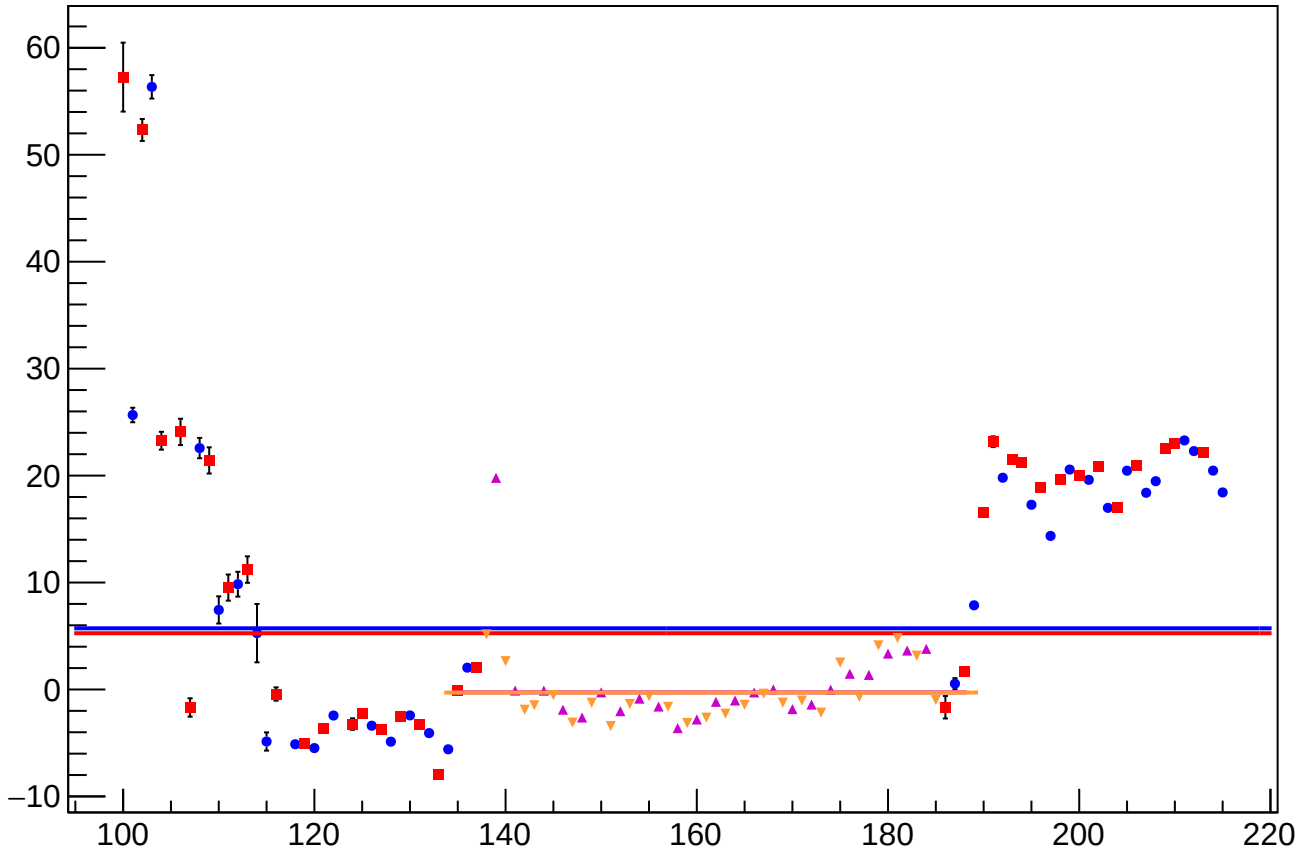
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: -0.421+/-0.033 χ^2/NDF: 8914.8/64

In: -2.392+/-0.024 χ^2/NDF:27265.5/53

Out: -2.327+/-0.024 χ^2/NDF:34249.6/58

All: -2.359+/-0.017 χ^2/NDF: 61518.8/112



Right In: 5.721+/-0.054 χ^2/NDF: 44442.8/30

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 5.259+/-0.053 χ^2/NDF: 51549.4/33

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

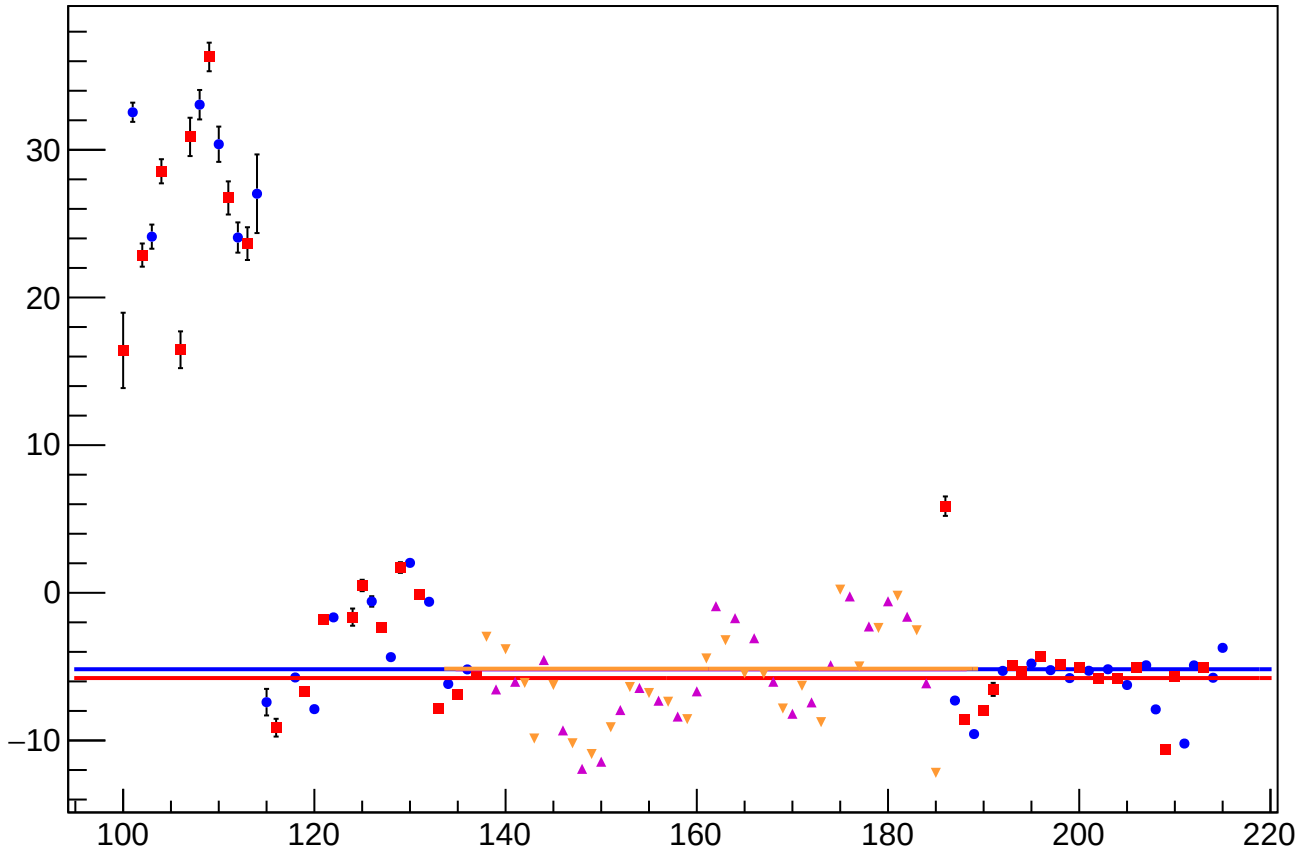
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 5.485+/-0.038 χ^2/NDF: 96029.5/64

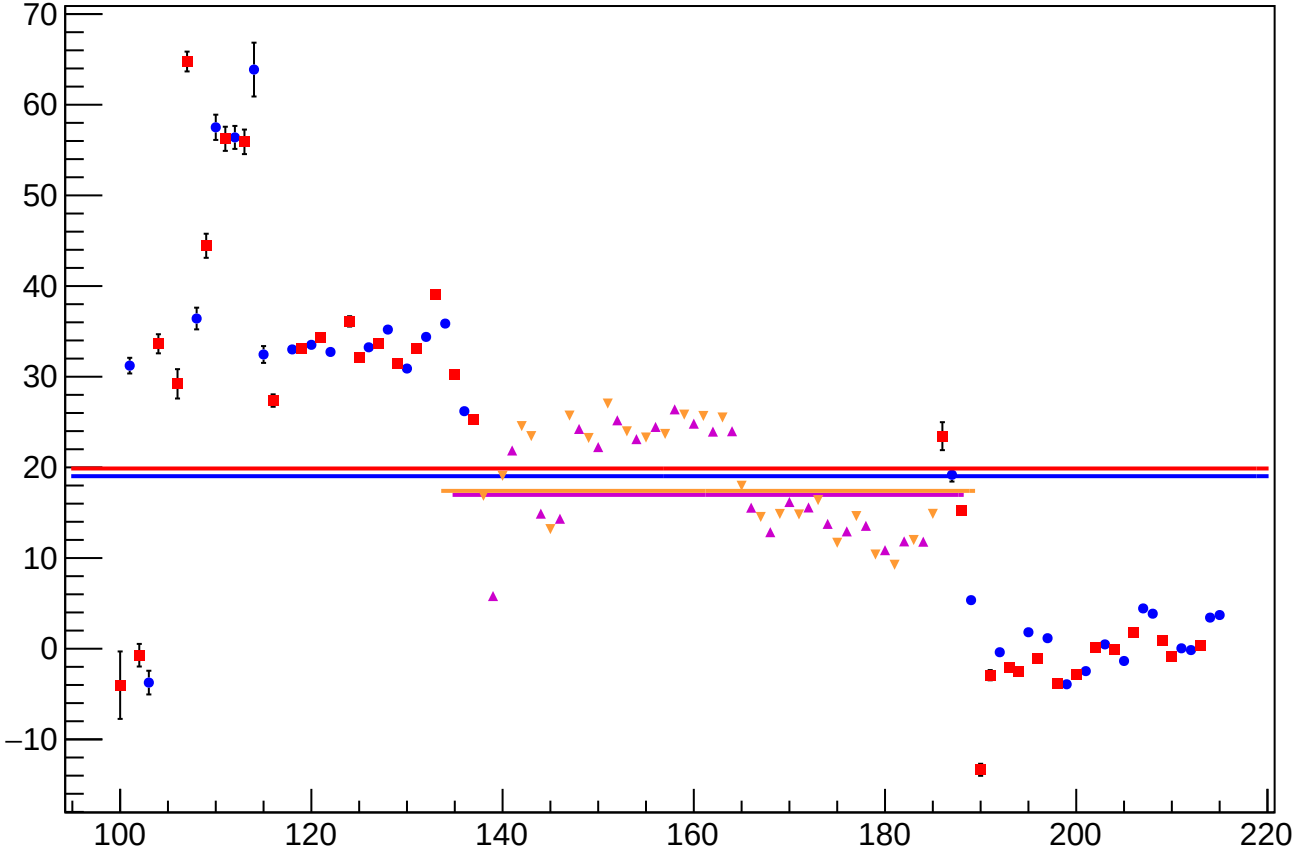
In: 0.601+/-0.021 χ^2/NDF:68176.9/53

Out: 0.516+/-0.020 χ^2/NDF:73127.6/58

All: 0.558+/-0.014 χ^2/NDF: 141313.2/112


reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
120
140
160
180
200
220
Right In: -5.175+/-0.046 χ²/NDF: 10760.5/30
Left Out: -5.138+/-0.028 χ²/NDF:14626.0/24
Right Out: -5.773+/-0.045 χ²/NDF: 11512.0/33
Left In: -5.177+/-0.028 χ²/NDF:13963.7/22
Left: -5.157+/-0.020 χ²/NDF: 28590.7/47
Right: -5.482+/-0.032 χ²/NDF: 22357.7/64
In: -5.177+/-0.024 χ²/NDF:24724.3/53
Out: -5.312+/-0.024 χ²/NDF:26281.1/58
All: -5.246+/-0.017 χ²/NDF: 51021.3/112

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.029+/-0.062 χ^2/NDF: 64884.6/30

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 19.878+/-0.062 χ^2/NDF: 76777.0/33

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

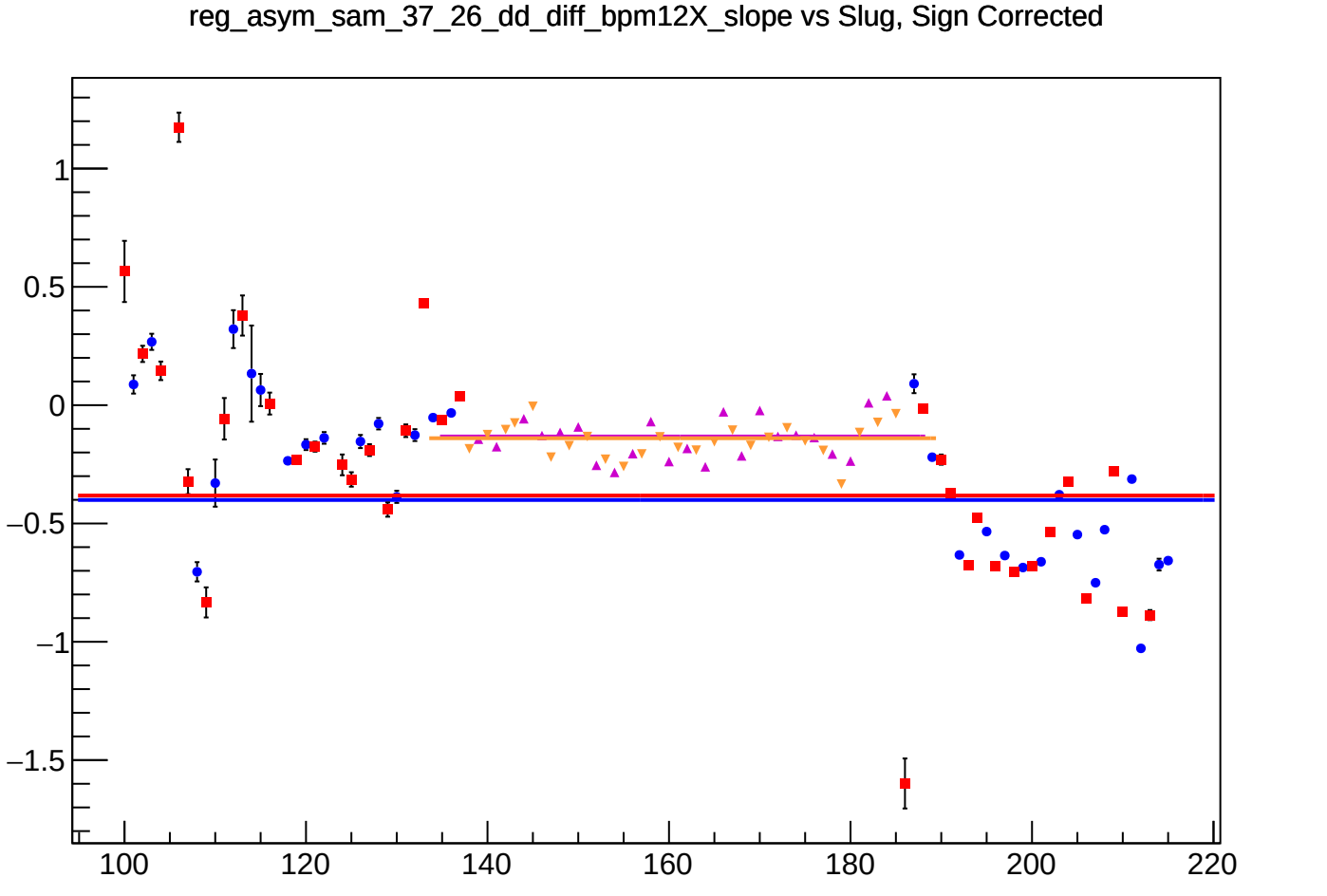
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 19.454+/-0.044 χ^2/NDF: 141756.3/64

In: 17.258+/-0.023 χ^2/NDF:105784.0/53

Out: 17.744+/-0.023 χ^2/NDF:128792.9/58

All: 17.506+/-0.016 χ^2/NDF: 234800.9/112



Right In: -0.401+/-0.003 χ^2/NDF: 9865.0/30

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.382+/-0.003 χ^2/NDF: 14169.4/33

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

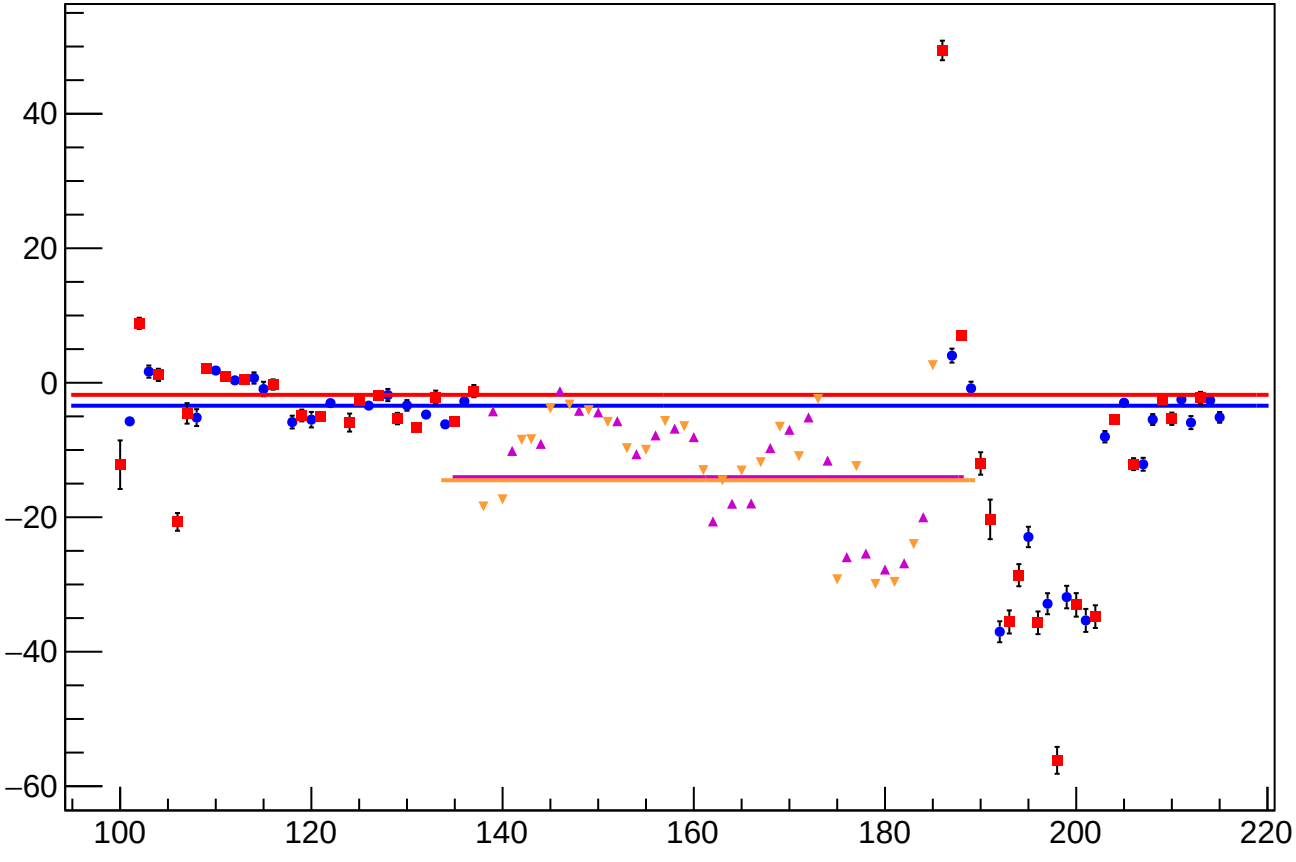
Right: -0.391+/-0.002 χ^2/NDF: 24056.2/64

In: -0.168+/-0.001 χ^2/NDF:23104.8/53

Out: -0.171+/-0.001 χ^2/NDF:24732.0/58

All: -0.170+/-0.001 χ^2/NDF: 47842.3/112

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.416+/-0.133 χ^2/NDF: 2220.7/30

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.798+/-0.129 χ^2/NDF: 5049.7/33

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

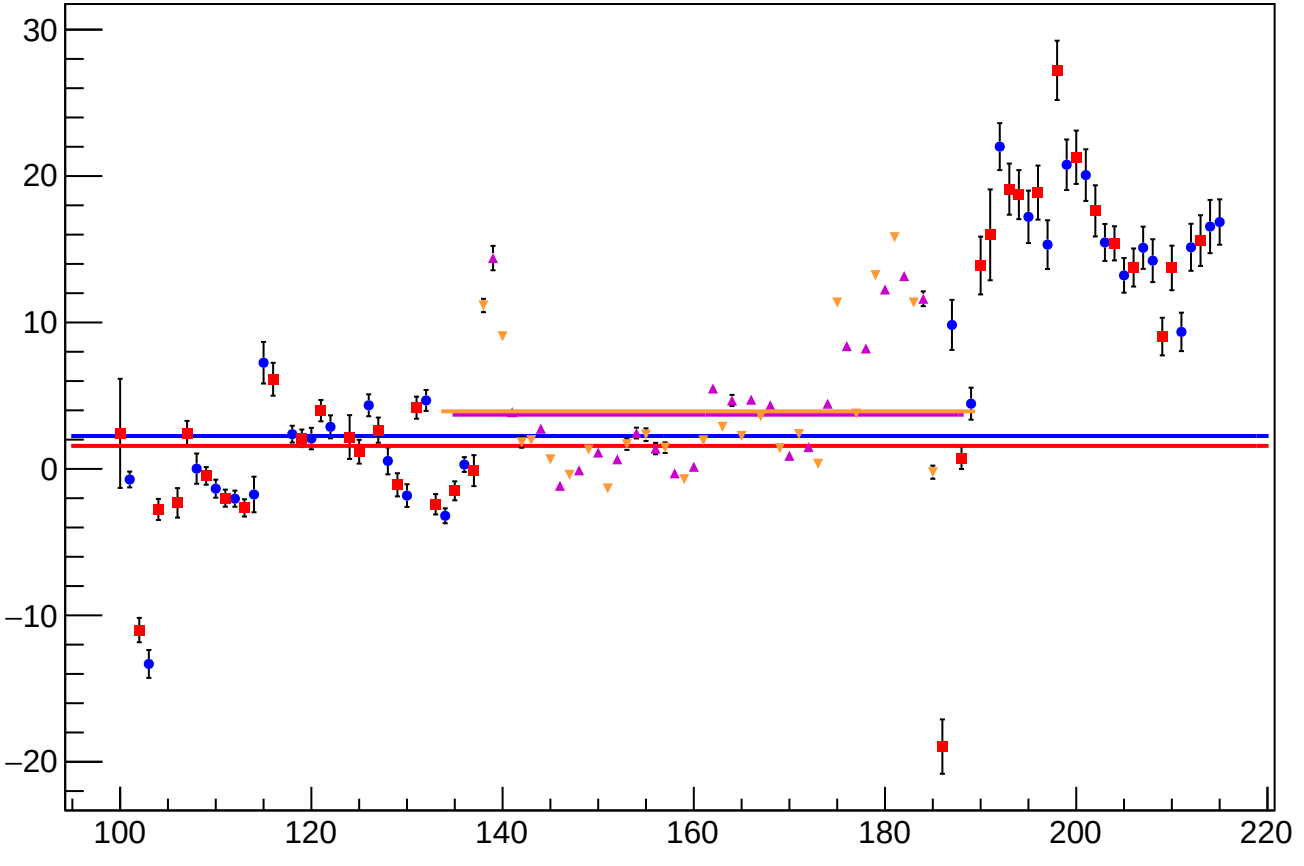
Right: -2.584+/-0.093 χ^2/NDF: 7346.5/64

In: -11.383+/-0.067 χ^2/NDF:20482.3/53

Out: -11.317+/-0.065 χ^2/NDF:29498.2/58

All: -11.349+/-0.046 χ^2/NDF: 49981.0/112

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.247+/-0.158 χ^2/NDF: 1710.0/30

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.573+/-0.161 χ^2/NDF: 1724.1/33

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

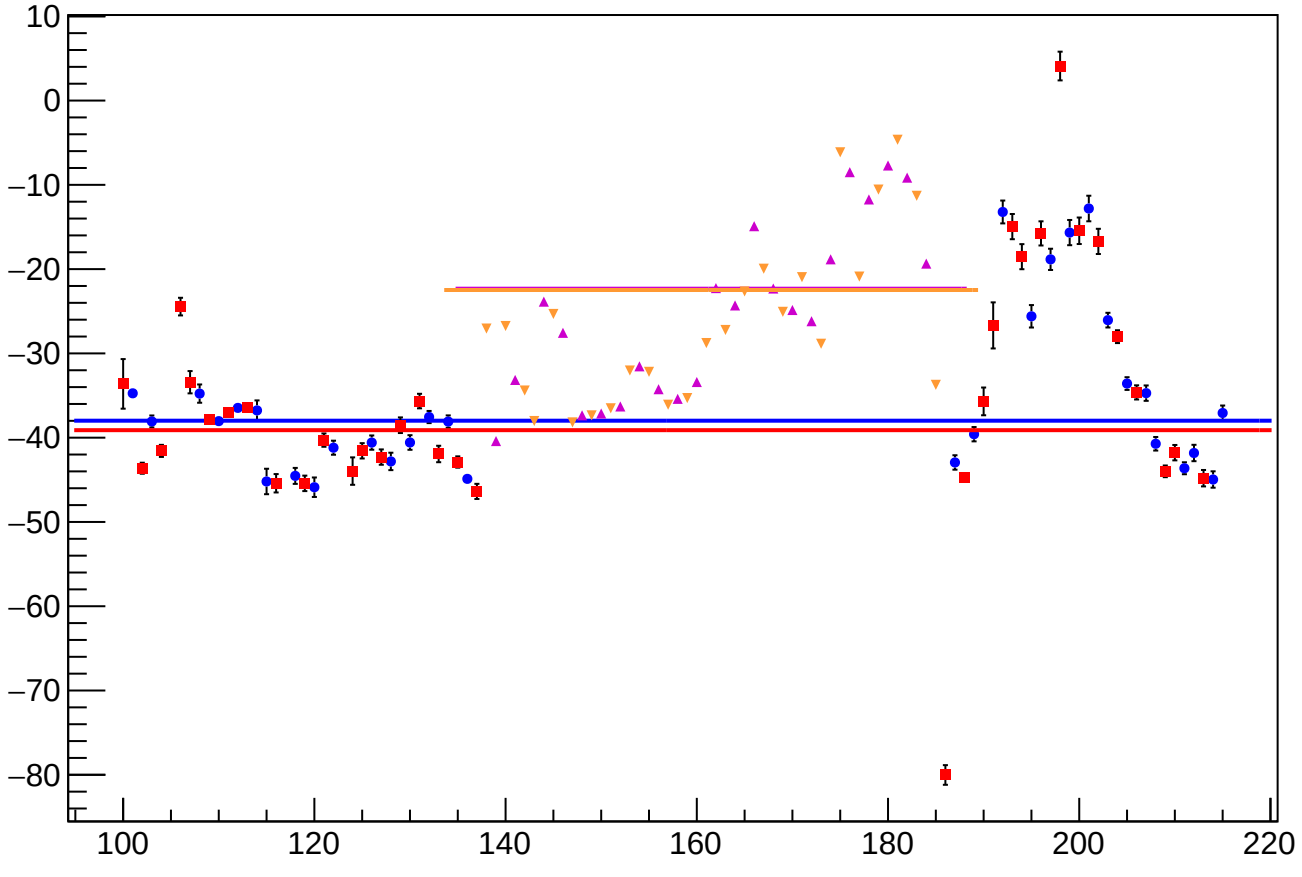
Right: 1.916+/-0.112 χ^2/NDF: 3443.2/64

In: 3.523+/-0.056 χ^2/NDF:6573.3/53

Out: 3.660+/-0.054 χ^2/NDF:8894.5/58

All: 3.593+/-0.039 χ^2/NDF: 15471.0/112

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.985+/-0.145 χ^2/NDF: 2041.9/30

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.109+/-0.145 χ^2/NDF: 4134.9/33

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

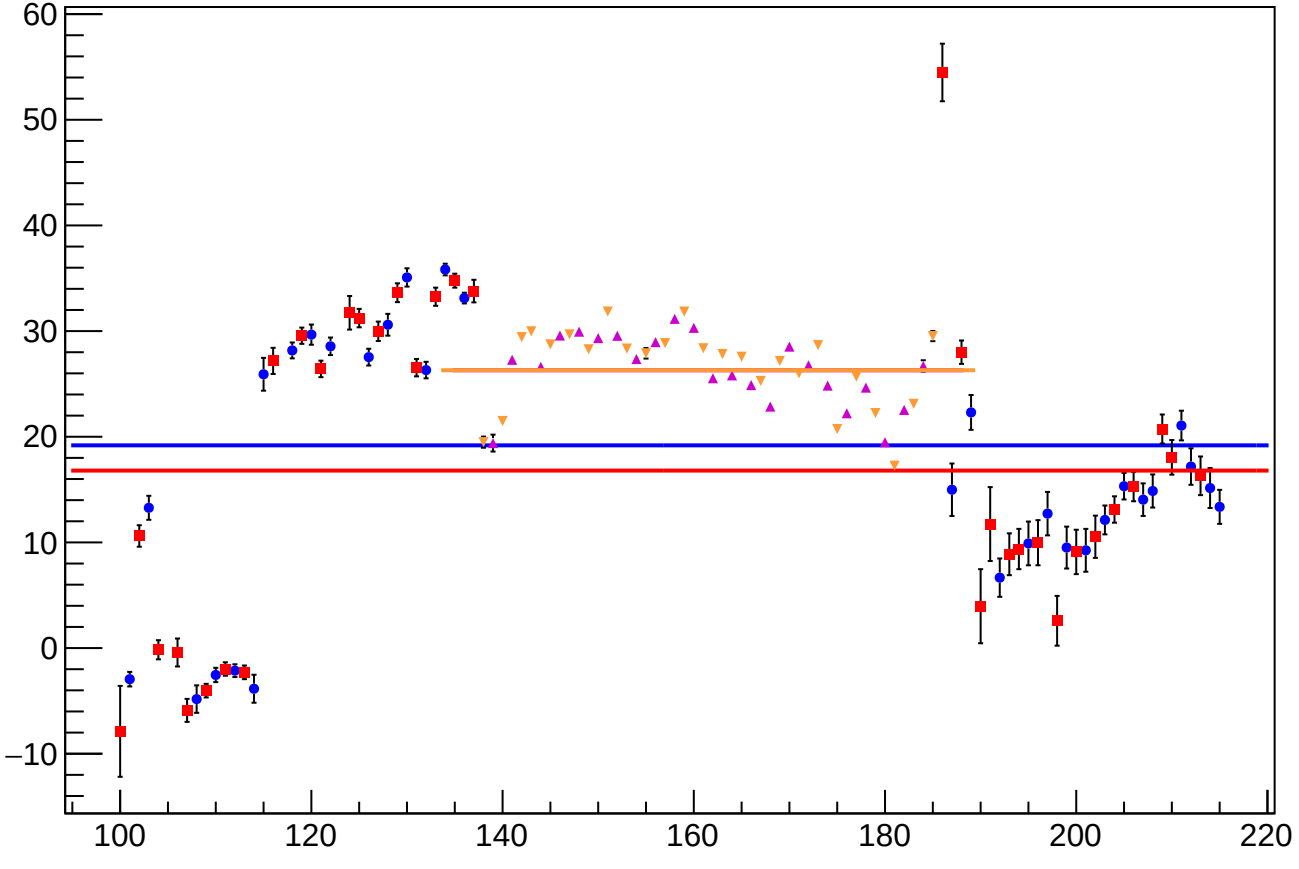
Right: -38.547+/-0.103 χ^2/NDF: 6206.7/64

In: -25.726+/-0.068 χ^2/NDF:28266.8/53

Out: -25.954+/-0.067 χ^2/NDF:34891.2/58

All: -25.842+/-0.047 χ^2/NDF: 63163.8/112

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.186+/-0.178 χ^2/NDF: 6916.1/30

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.798+/-0.183 χ^2/NDF: 7167.9/33

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

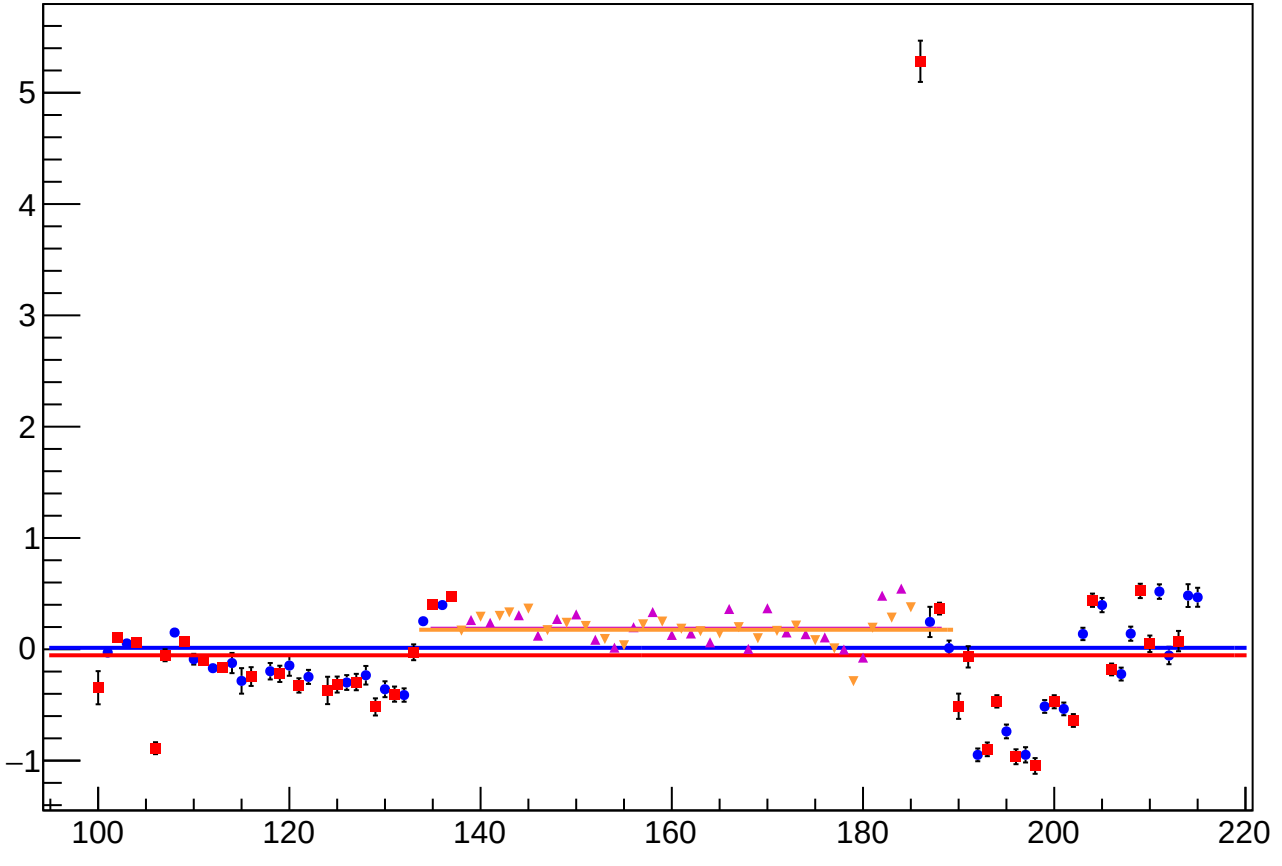
Right: 18.026+/-0.127 χ^2/NDF: 14171.9/64

In: 25.416+/-0.062 χ^2/NDF:10504.5/53

Out: 25.226+/-0.061 χ^2/NDF:12873.6/58

All: 25.319+/-0.044 χ^2/NDF: 23382.7/112

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.013+/-0.009 χ^2/NDF: 1590.7/30

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.054+/-0.009 χ^2/NDF: 2716.6/33

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

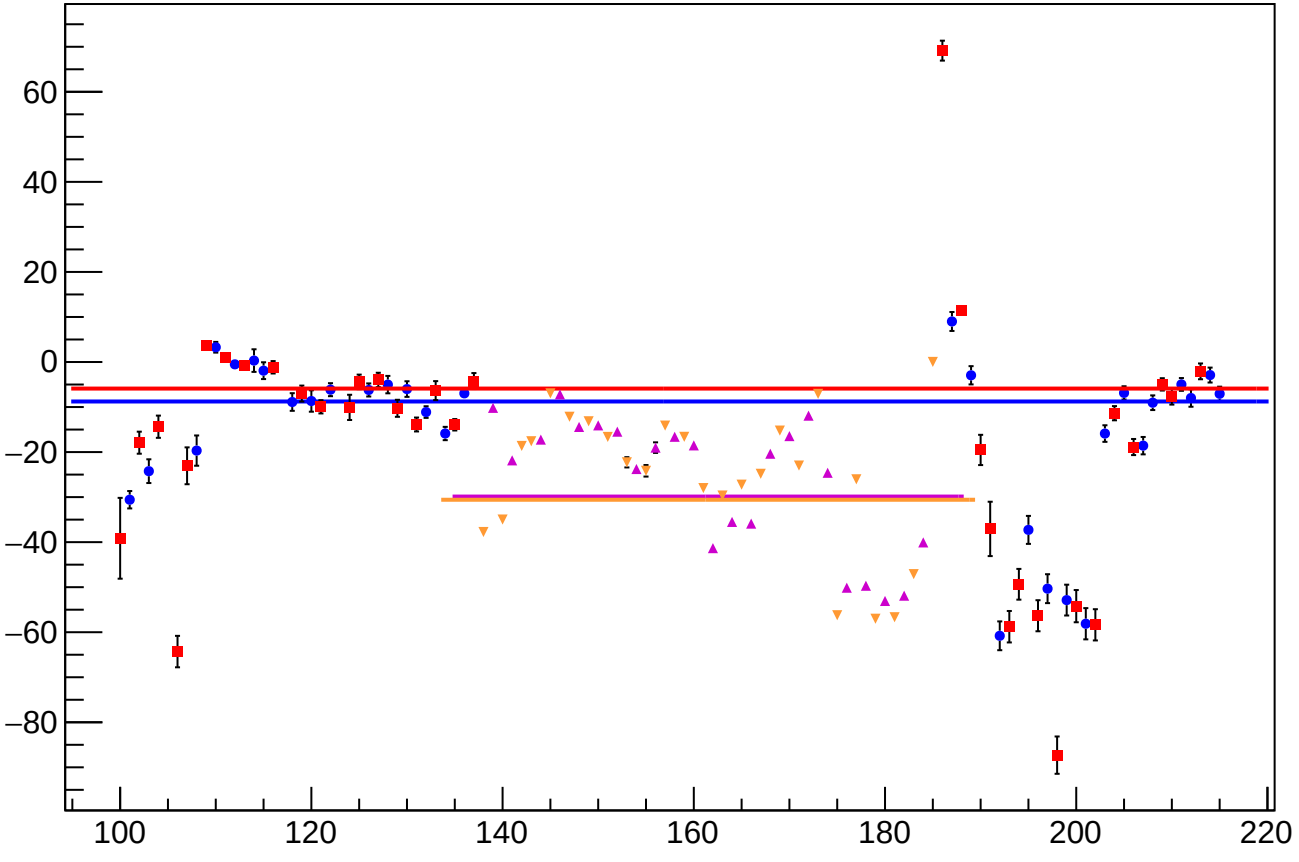
Right: -0.019+/-0.006 χ^2/NDF: 4334.6/64

In: 0.168+/-0.003 χ^2/NDF:4464.5/53

Out: 0.155+/-0.003 χ^2/NDF:5208.0/58

All: 0.161+/-0.002 χ^2/NDF: 9682.8/112

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.765+/-0.302 χ^2/NDF: 1444.1/30

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.898+/-0.304 χ^2/NDF: 3512.2/33

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

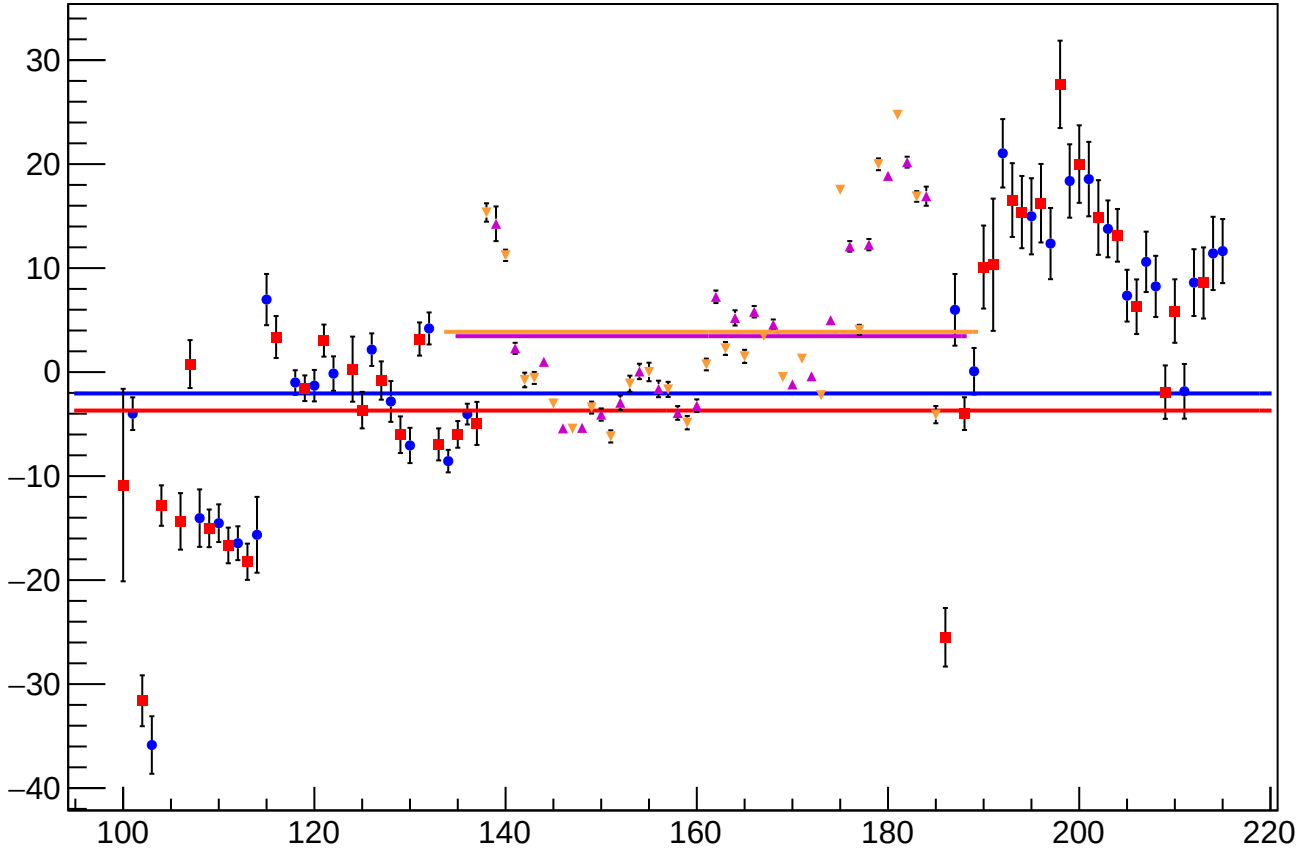
Right: -7.341+/-0.214 χ^2/NDF: 5001.0/64

In: -25.872+/-0.132 χ^2/NDF:17434.9/53

Out: -26.161+/-0.129 χ^2/NDF:24967.5/58

All: -26.020+/-0.092 χ^2/NDF: 42404.8/112

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.051+/-0.352 χ^2/NDF: 683.6/30

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.696+/-0.366 χ^2/NDF: 776.6/33

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

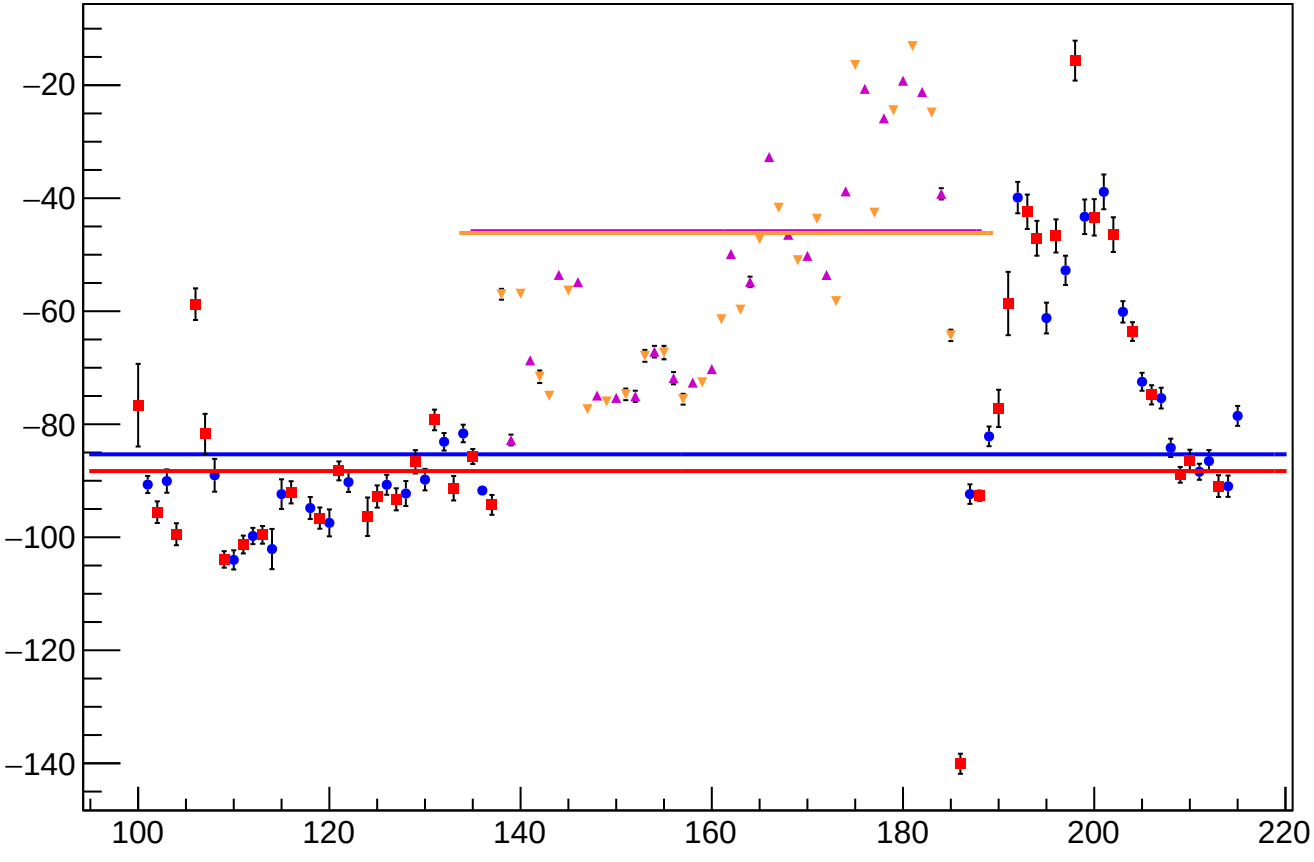
Right: -2.842+/-0.254 χ^2/NDF: 1470.8/64

In: 2.934+/-0.108 χ^2/NDF:5598.2/53

Out: 3.233+/-0.106 χ^2/NDF:7710.2/58

All: 3.086+/-0.076 χ^2/NDF: 13312.3/112

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -85.320+/-0.323 χ^2/NDF: 1656.3/30

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.283+/-0.328 χ^2/NDF: 3092.8/33

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

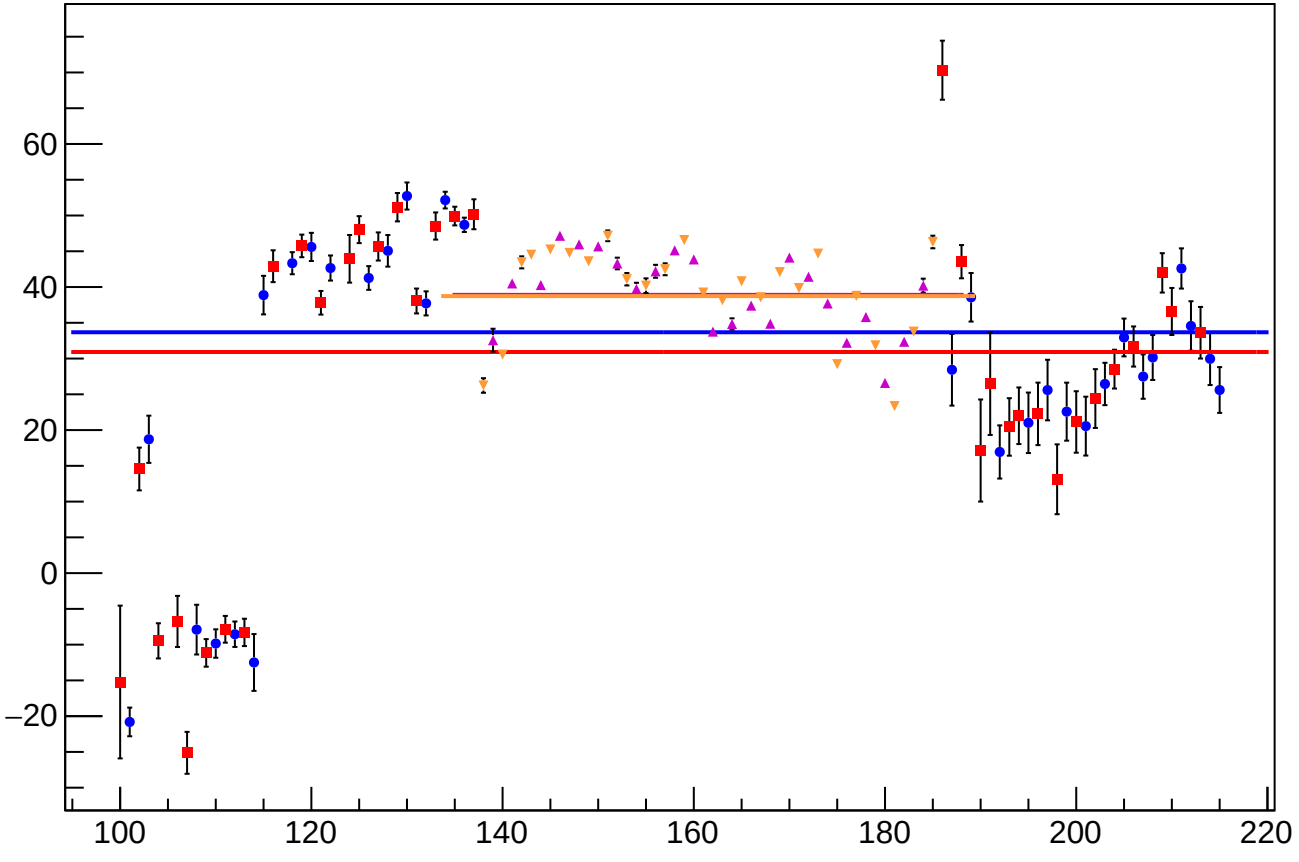
Right: -86.778+/-0.230 χ^2/NDF: 4790.5/64

In: -52.524+/-0.133 χ^2/NDF:31972.5/53

Out: -52.822+/-0.131 χ^2/NDF:38402.2/58

All: -52.676+/-0.093 χ^2/NDF: 70377.3/112

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.676+/-0.395 χ^2/NDF: 2897.2/30

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.917+/-0.417 χ^2/NDF: 3095.1/33

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

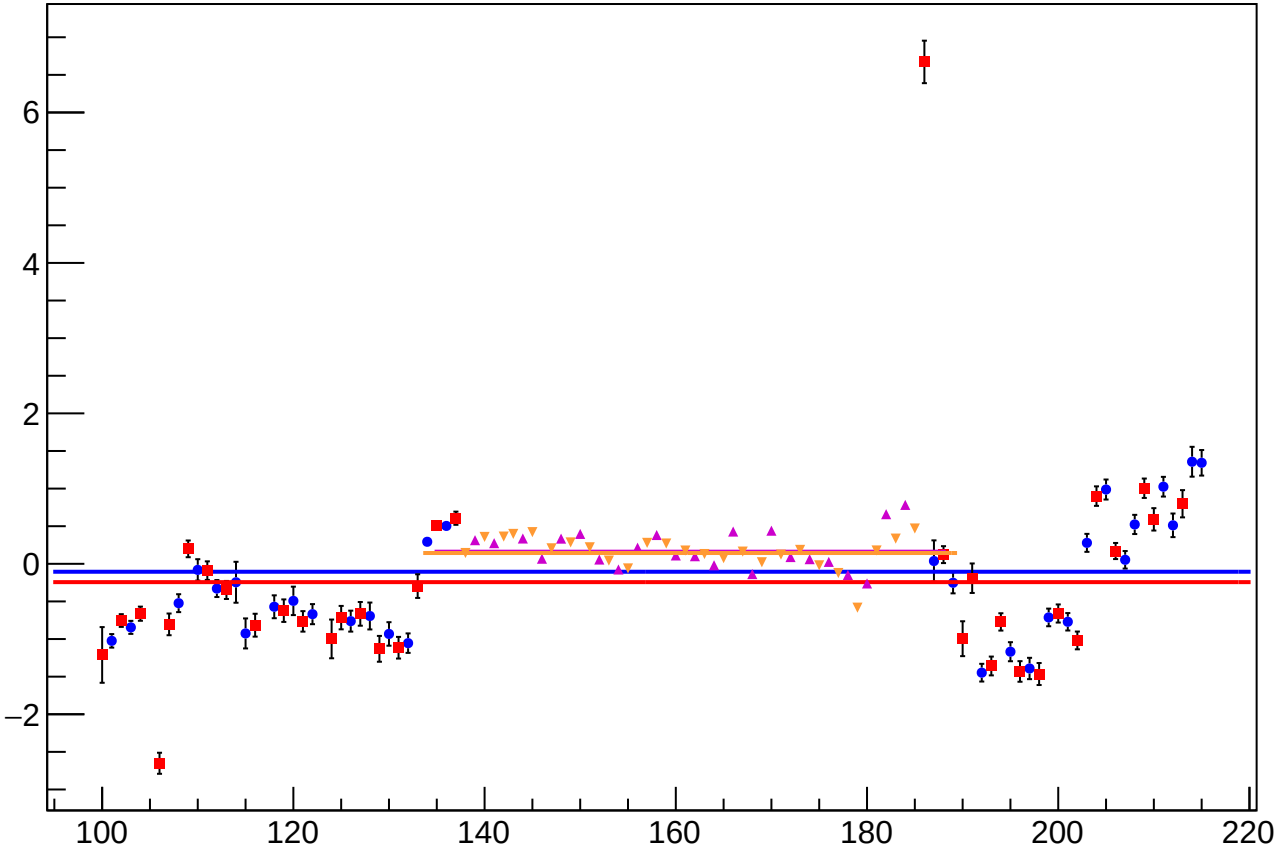
Right: 32.368+/-0.287 χ^2/NDF: 6015.4/64

In: 38.413+/-0.121 χ^2/NDF:5027.3/53

Out: 38.089+/-0.119 χ^2/NDF:6199.7/58

All: 38.248+/-0.085 χ^2/NDF: 11230.6/112

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.105+/-0.020 χ^2/NDF: 1296.1/30

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.243+/-0.021 χ^2/NDF: 1995.5/33

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

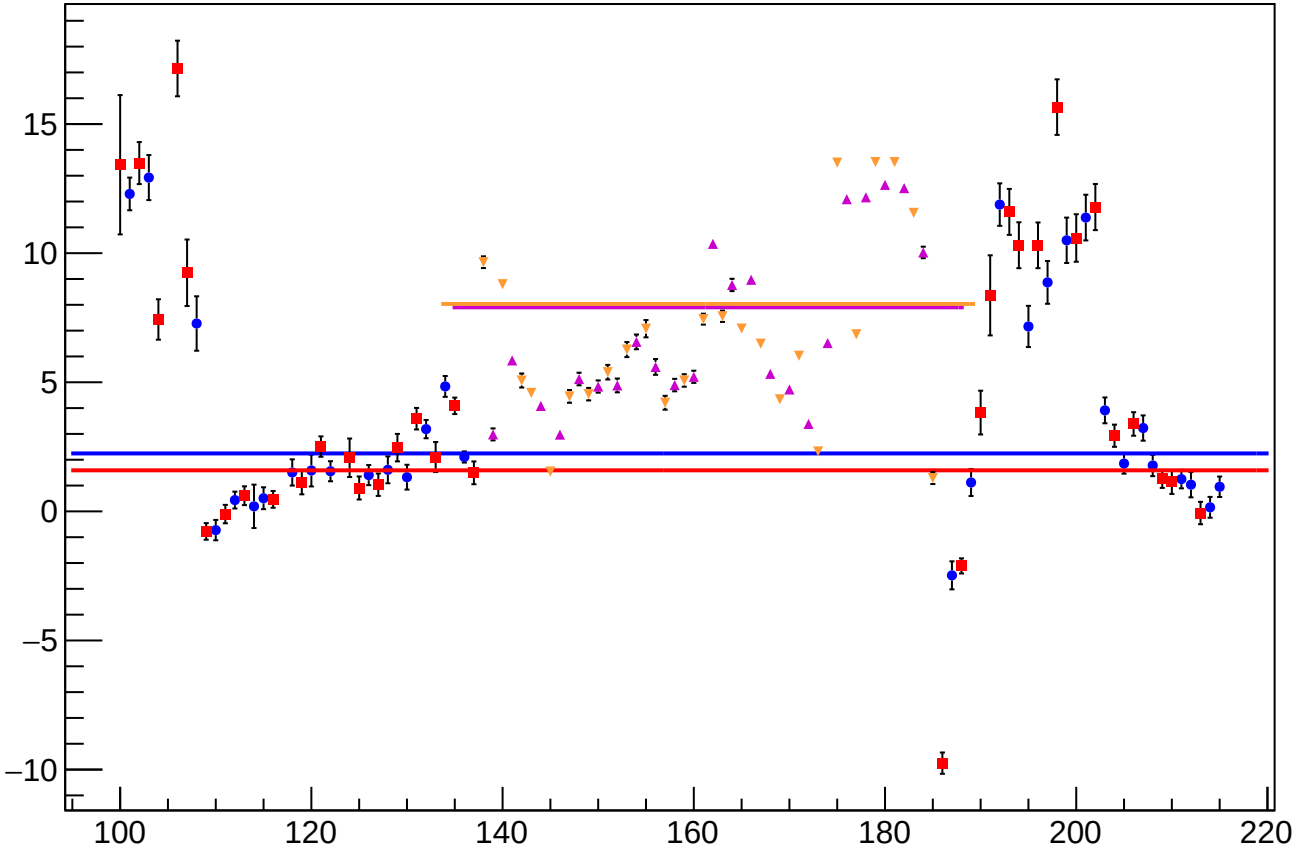
Right: -0.170+/-0.014 χ^2/NDF: 3314.4/64

In: 0.141+/-0.005 χ^2/NDF:3382.4/53

Out: 0.118+/-0.005 χ^2/NDF:3752.2/58

All: 0.129+/-0.004 χ^2/NDF: 7143.2/112

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.244+/-0.082 χ^2/NDF: 1182.4/30

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.590+/-0.083 χ^2/NDF: 2426.9/33

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

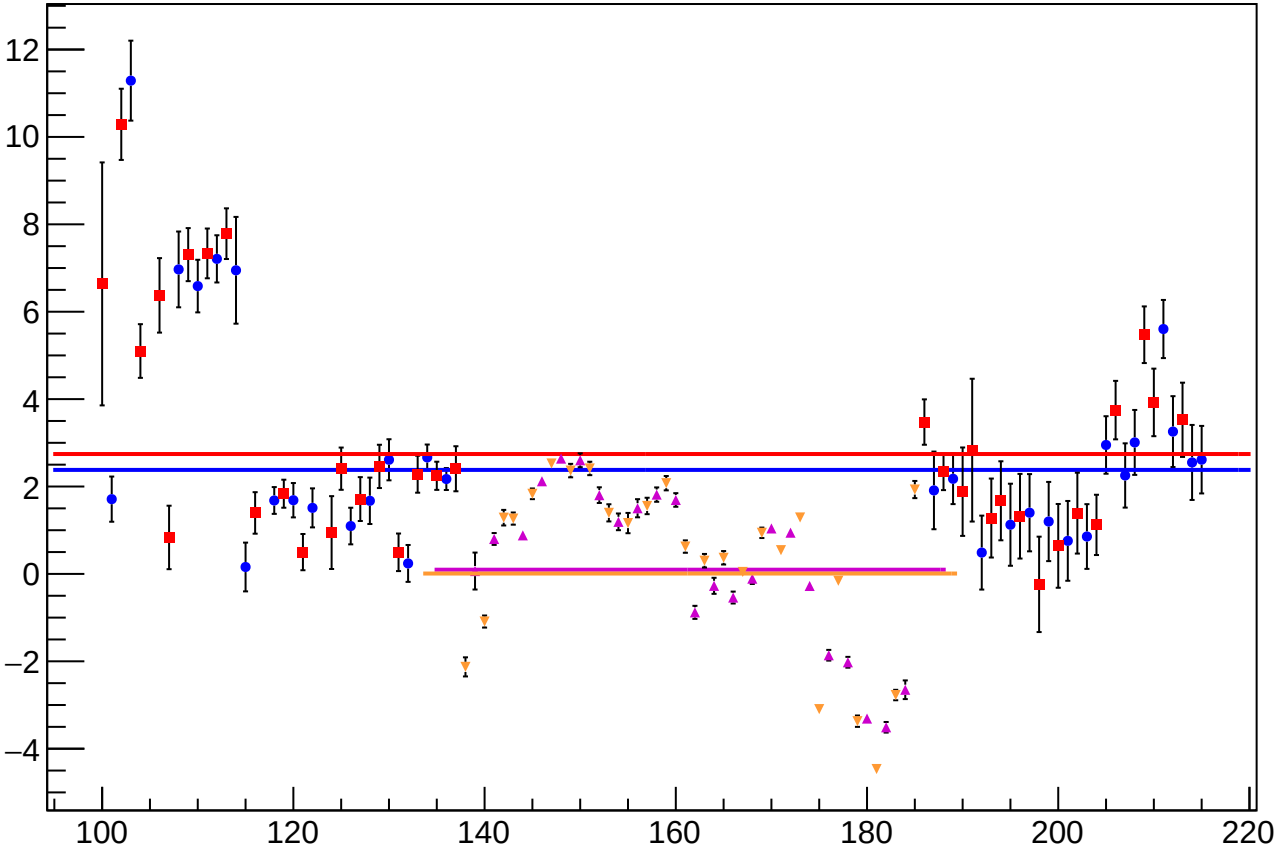
Right: 1.923+/-0.058 χ^2/NDF: 3640.8/64

In: 6.991+/-0.033 χ^2/NDF:15225.7/53

Out: 7.076+/-0.032 χ^2/NDF:21472.0/58

All: 7.034+/-0.023 χ^2/NDF: 36701.1/112

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.380+/-0.095 χ^2/NDF: 377.7/30

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.744+/-0.099 χ^2/NDF: 464.1/33

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

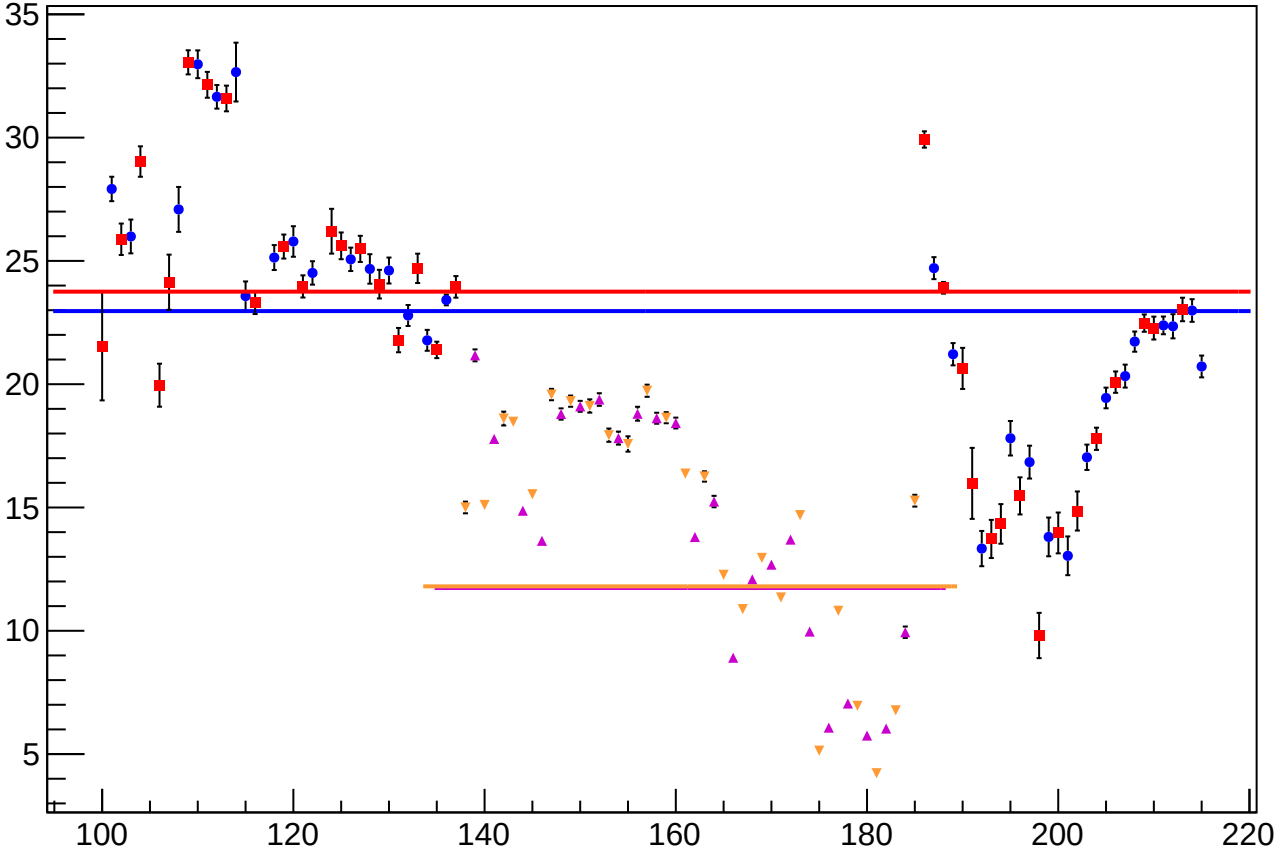
Right: 2.554+/-0.069 χ^2/NDF: 848.8/64

In: 0.279+/-0.027 χ^2/NDF:5340.1/53

Out: 0.204+/-0.026 χ^2/NDF:6931.7/58

All: 0.241+/-0.019 χ^2/NDF: 12275.8/112

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 22.965+/-0.087 χ^2/NDF: 1872.1/30

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.754+/-0.088 χ^2/NDF: 2648.9/33

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

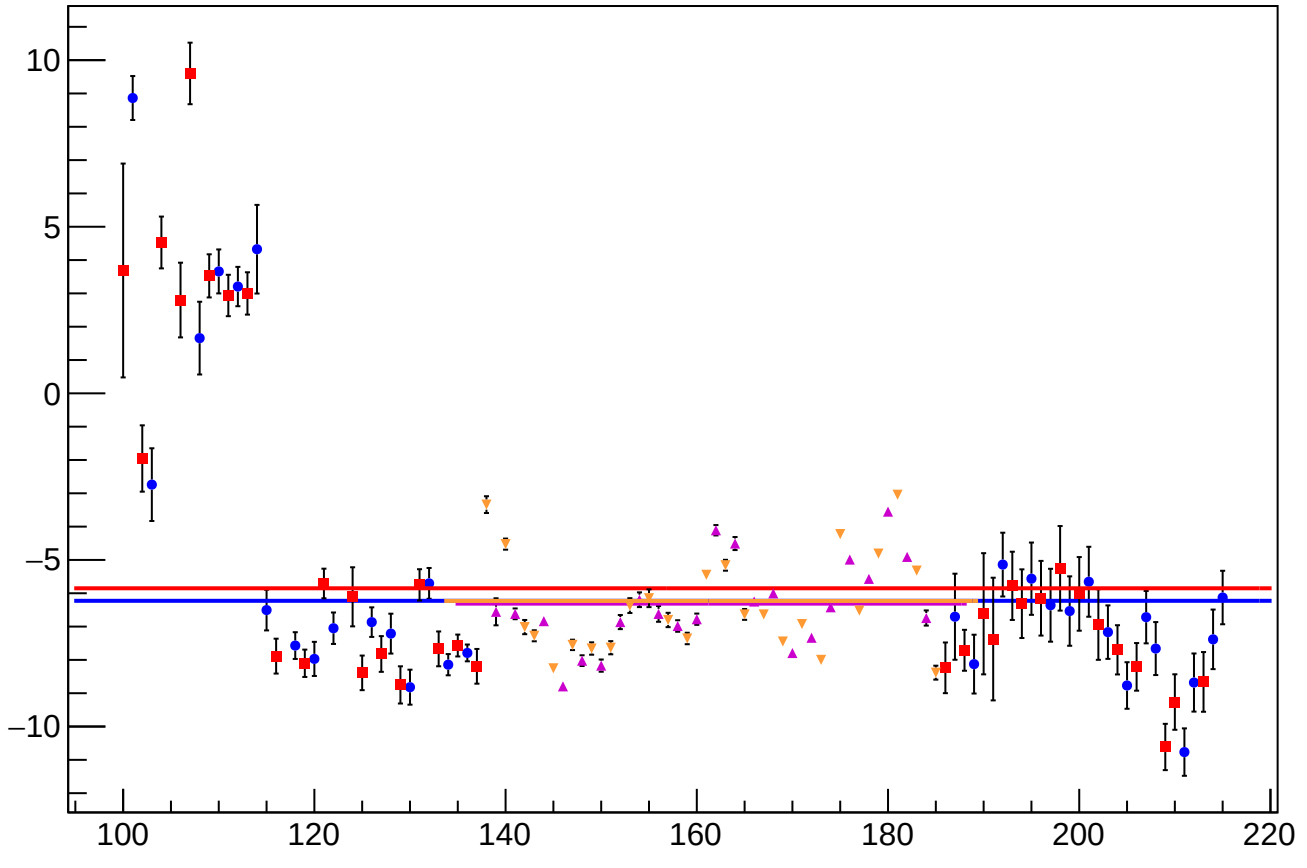
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.355+/-0.062 χ^2/NDF: 4562.0/64

In: 13.377+/-0.033 χ^2/NDF:34254.3/53

Out: 13.437+/-0.032 χ^2/NDF:40228.3/58

All: 13.408+/-0.023 χ^2/NDF: 74484.3/112



Right In: -6.227+/-0.107 χ^2/NDF: 1335.2/30

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.851+/-0.113 χ^2/NDF: 1427.7/33

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

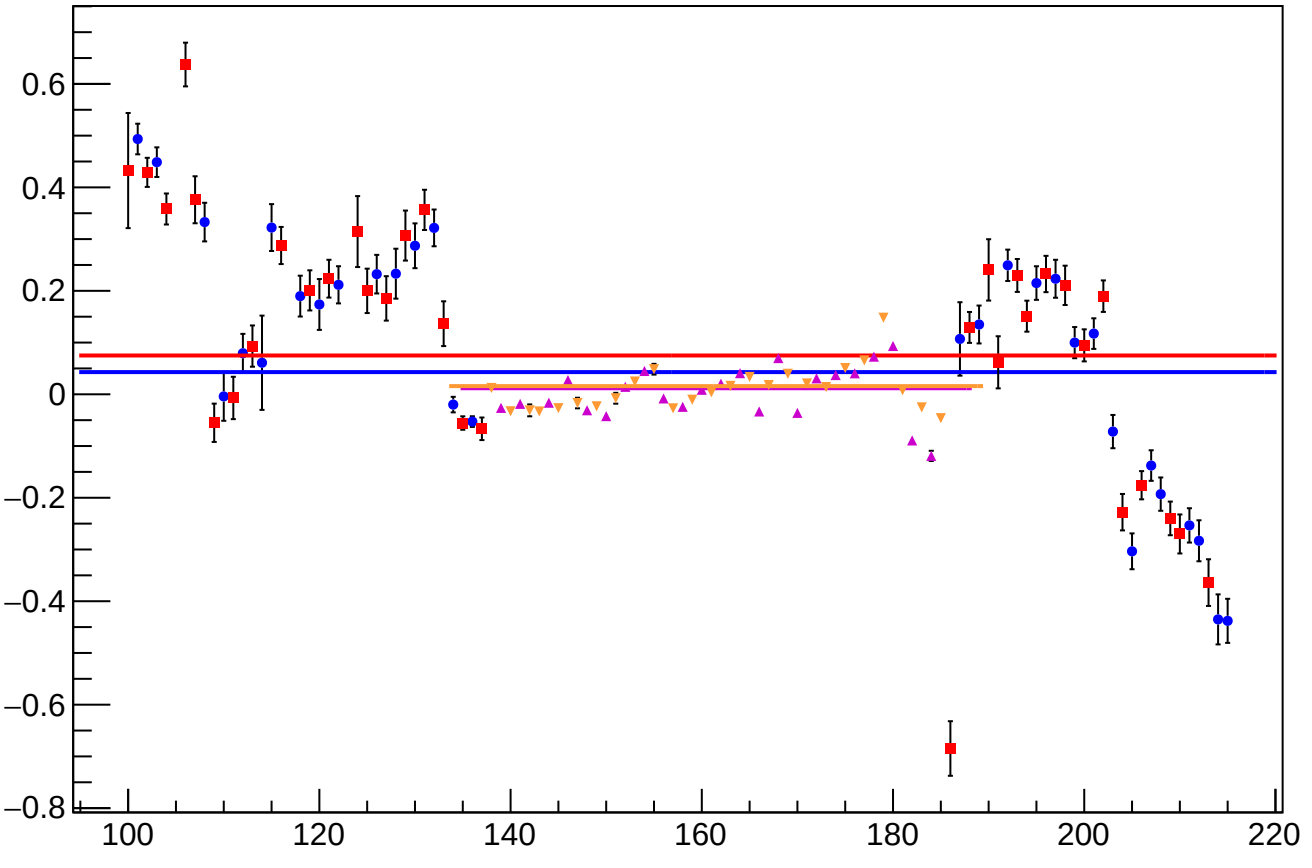
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -6.050+/-0.078 χ^2/NDF: 2768.7/64

In: -6.304+/-0.030 χ^2/NDF:3366.0/53

Out: -6.204+/-0.030 χ^2/NDF:3888.2/58

All: -6.254+/-0.021 χ^2/NDF: 7259.8/112



Right In: 0.043+/-0.005 χ^2/NDF: 1506.2/30

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.075+/-0.006 χ^2/NDF: 1532.7/33

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

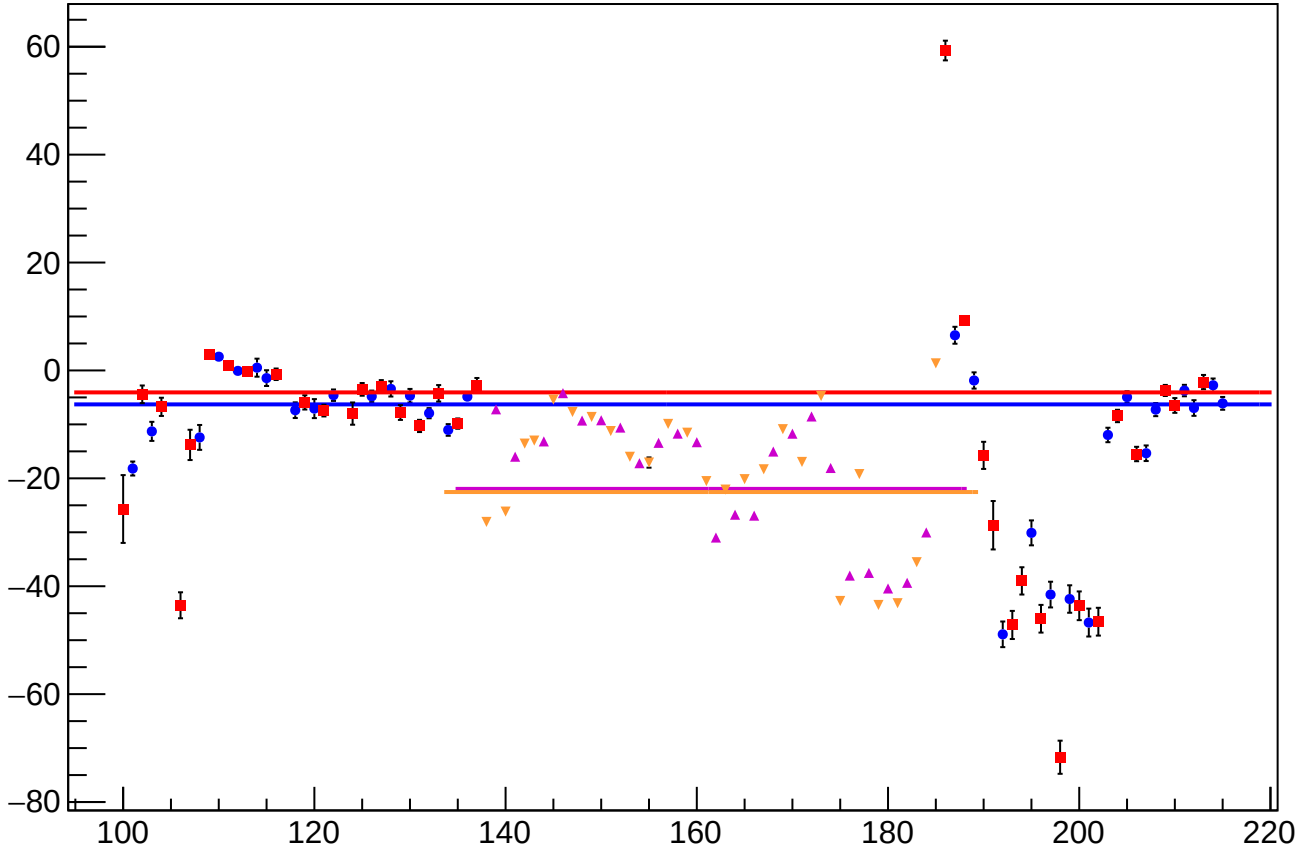
Right: 0.058+/-0.004 χ^2/NDF: 3055.9/64

In: 0.014+/-0.001 χ^2/NDF:2835.9/53

Out: 0.019+/-0.001 χ^2/NDF:2568.2/58

All: 0.016+/-0.001 χ^2/NDF: 5411.9/112

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.293+/-0.219 χ^2/NDF: 1617.7/30

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.070+/-0.219 χ^2/NDF: 3912.7/33

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

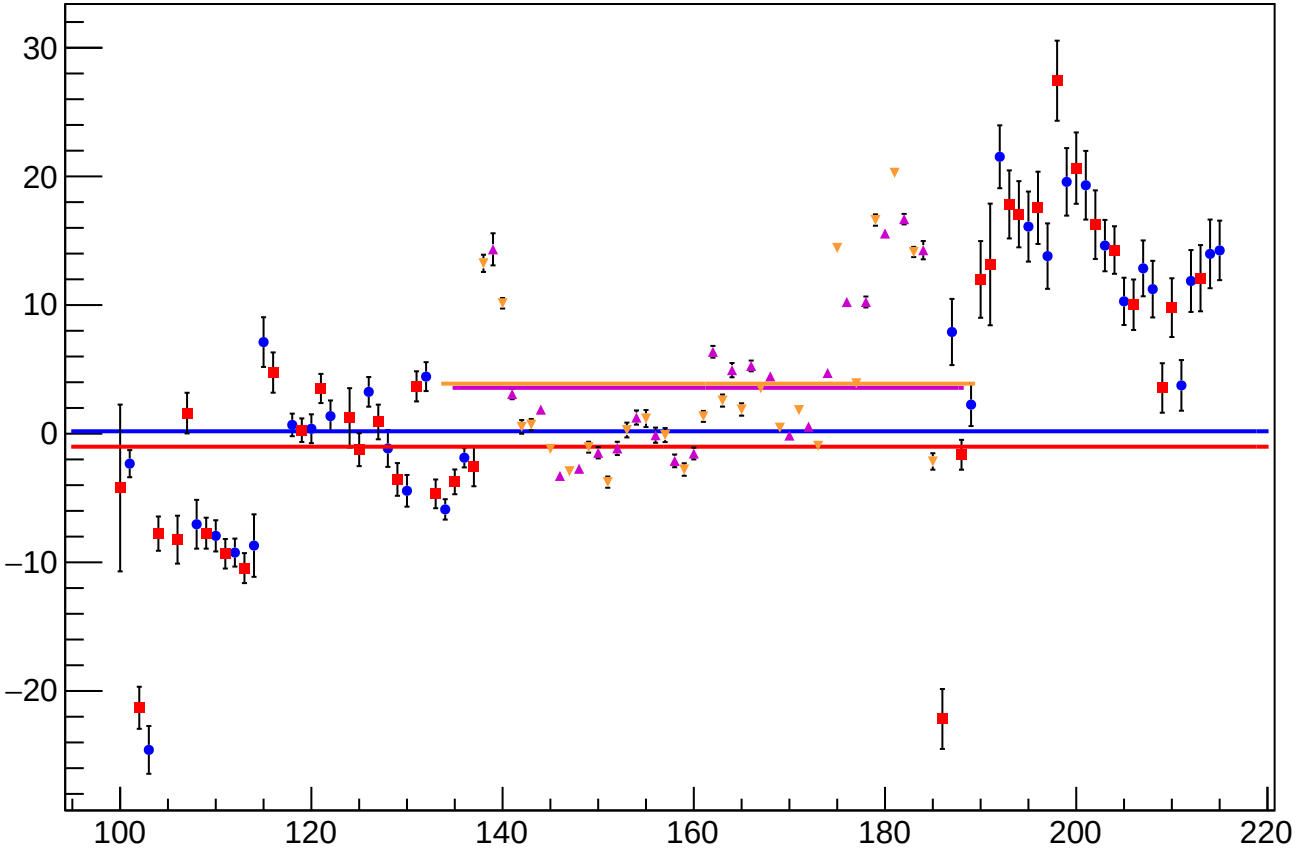
Right: -5.179+/-0.155 χ^2/NDF: 5581.9/64

In: -18.750+/-0.099 χ^2/NDF:18268.4/53

Out: -18.911+/-0.097 χ^2/NDF:26184.9/58

All: -18.832+/-0.069 χ^2/NDF: 44454.6/112

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.188+/-0.256 χ^2/NDF: 935.9/30

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.011+/-0.265 χ^2/NDF: 1016.5/33

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

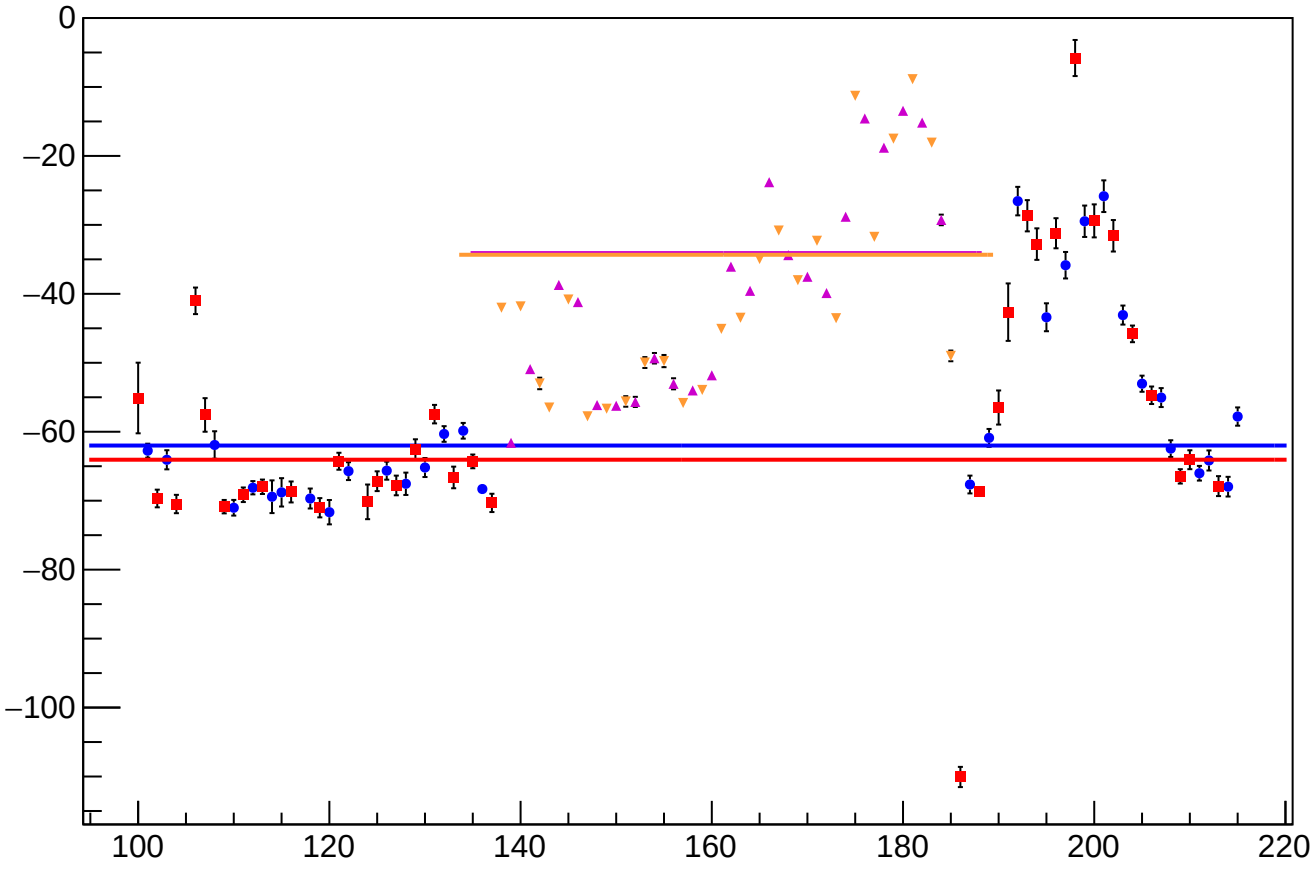
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -0.392+/-0.184 χ^2/NDF: 1963.0/64

In: 3.222+/-0.082 χ^2/NDF:5831.4/53

Out: 3.441+/-0.080 χ^2/NDF:8051.5/58

All: 3.333+/-0.057 χ^2/NDF: 13886.6/112



Right In: -62.001+/-0.236 χ^2/NDF: 1669.1/30

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -64.057+/-0.239 χ^2/NDF: 3314.1/33

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

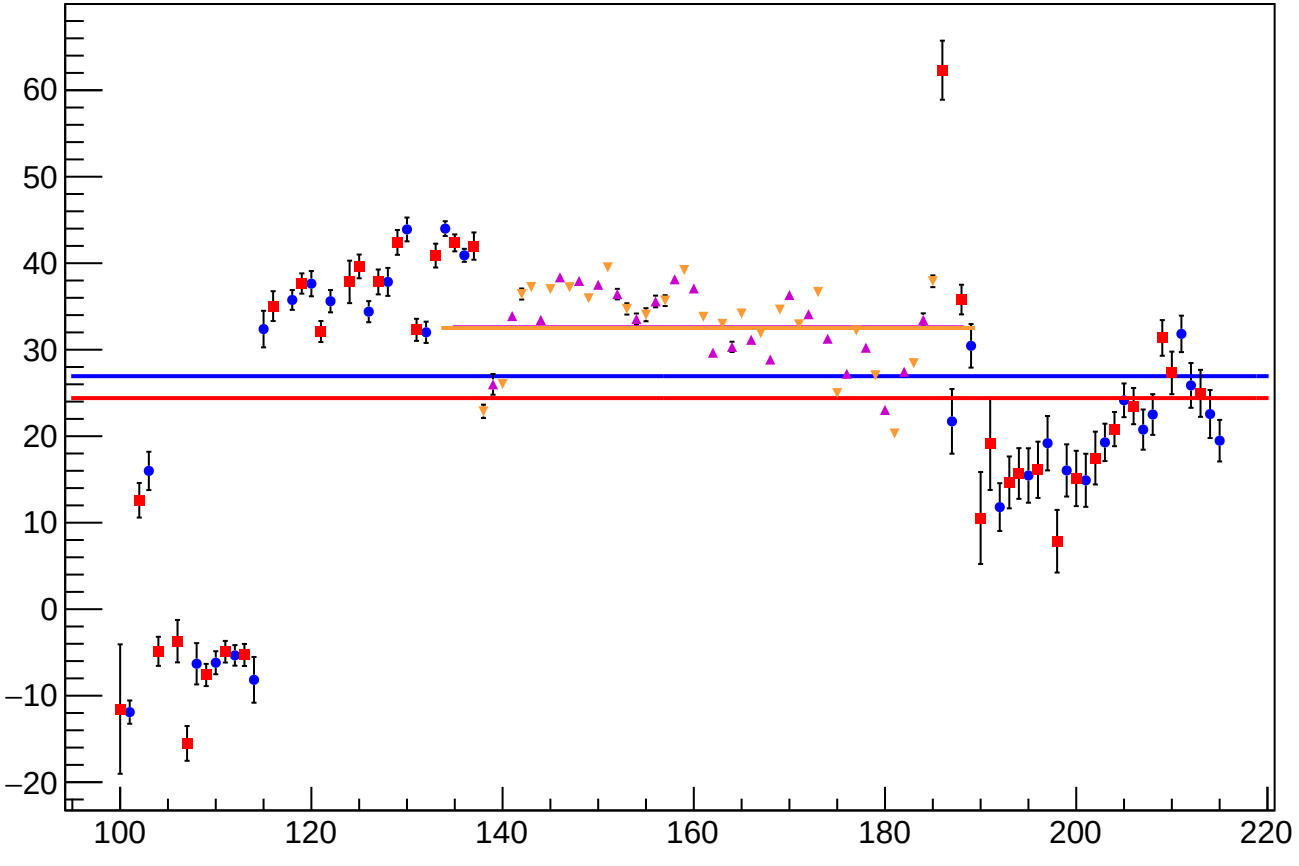
Right: -63.016+/-0.168 χ^2/NDF: 5020.8/64

In: -39.156+/-0.100 χ^2/NDF:30880.1/53

Out: -39.406+/-0.099 χ^2/NDF:37375.3/58

All: -39.283+/-0.070 χ^2/NDF: 68258.5/112

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 26.940+/-0.288 χ^2/NDF: 3865.7/30

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.406+/-0.302 χ^2/NDF: 4093.9/33

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

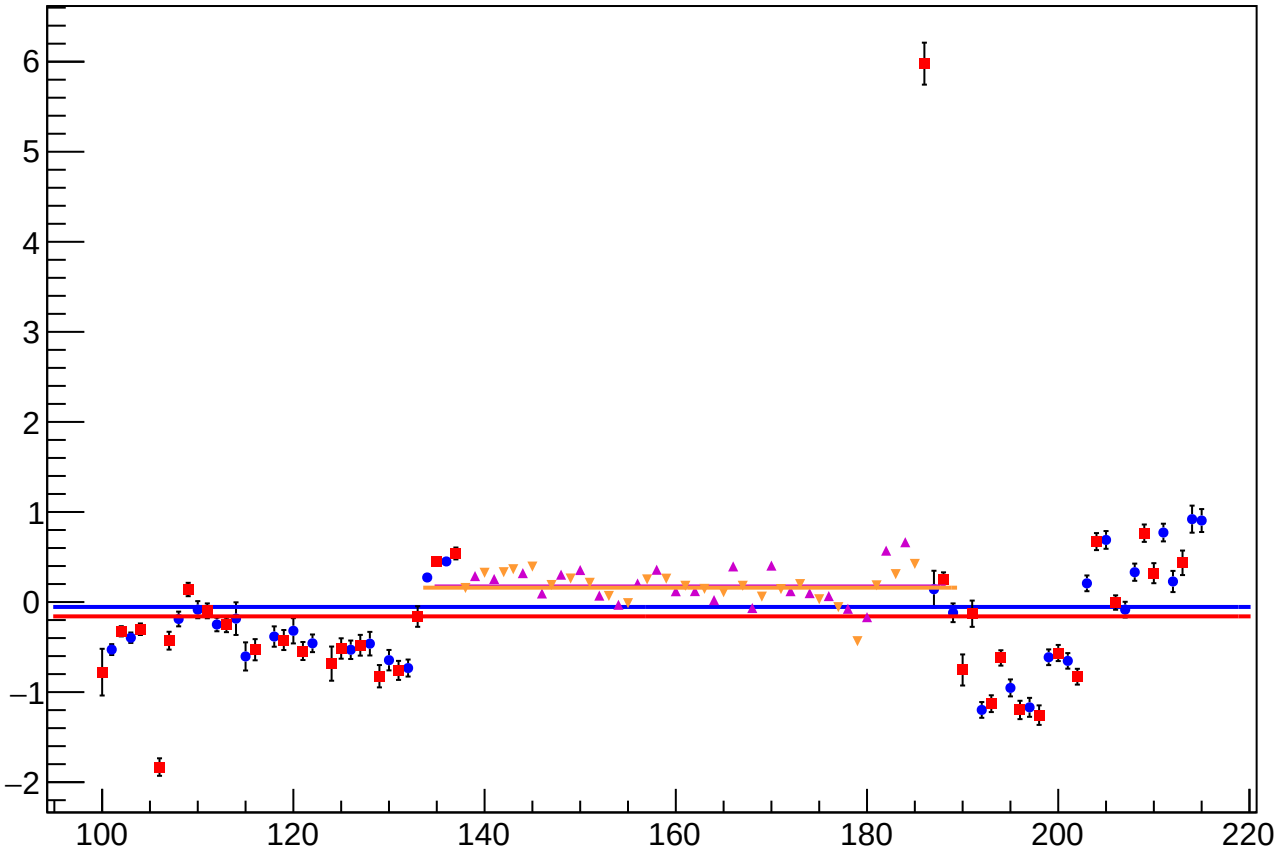
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 25.732+/-0.208 χ^2/NDF: 7996.6/64

In: 32.024+/-0.092 χ^2/NDF:6225.8/53

Out: 31.786+/-0.090 χ^2/NDF:7689.8/58

All: 31.903+/-0.064 χ^2/NDF: 13919.0/112



Right In: -0.054+/-0.014 χ^2/NDF: 1315.9/30

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.159+/-0.015 χ^2/NDF: 2182.6/33

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

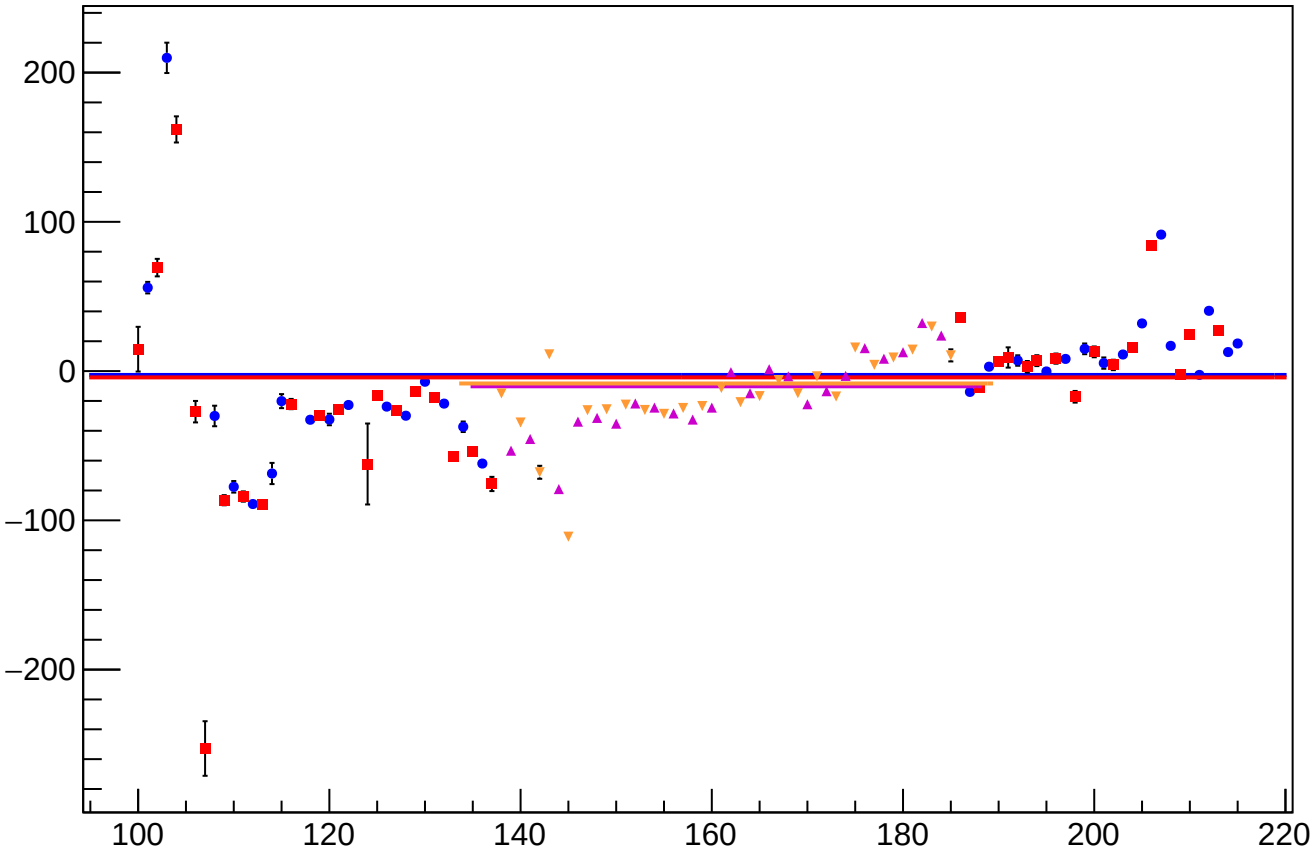
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.104+/-0.011 χ^2/NDF: 3523.2/64

In: 0.154+/-0.004 χ^2/NDF:3674.0/53

Out: 0.137+/-0.004 χ^2/NDF:4197.9/58

All: 0.146+/-0.003 χ^2/NDF: 7880.8/112



Right In: -2.587+/-0.514 χ^2/NDF: 5040.7/30

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -4.229+/-0.500 χ^2/NDF: 5852.9/33

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

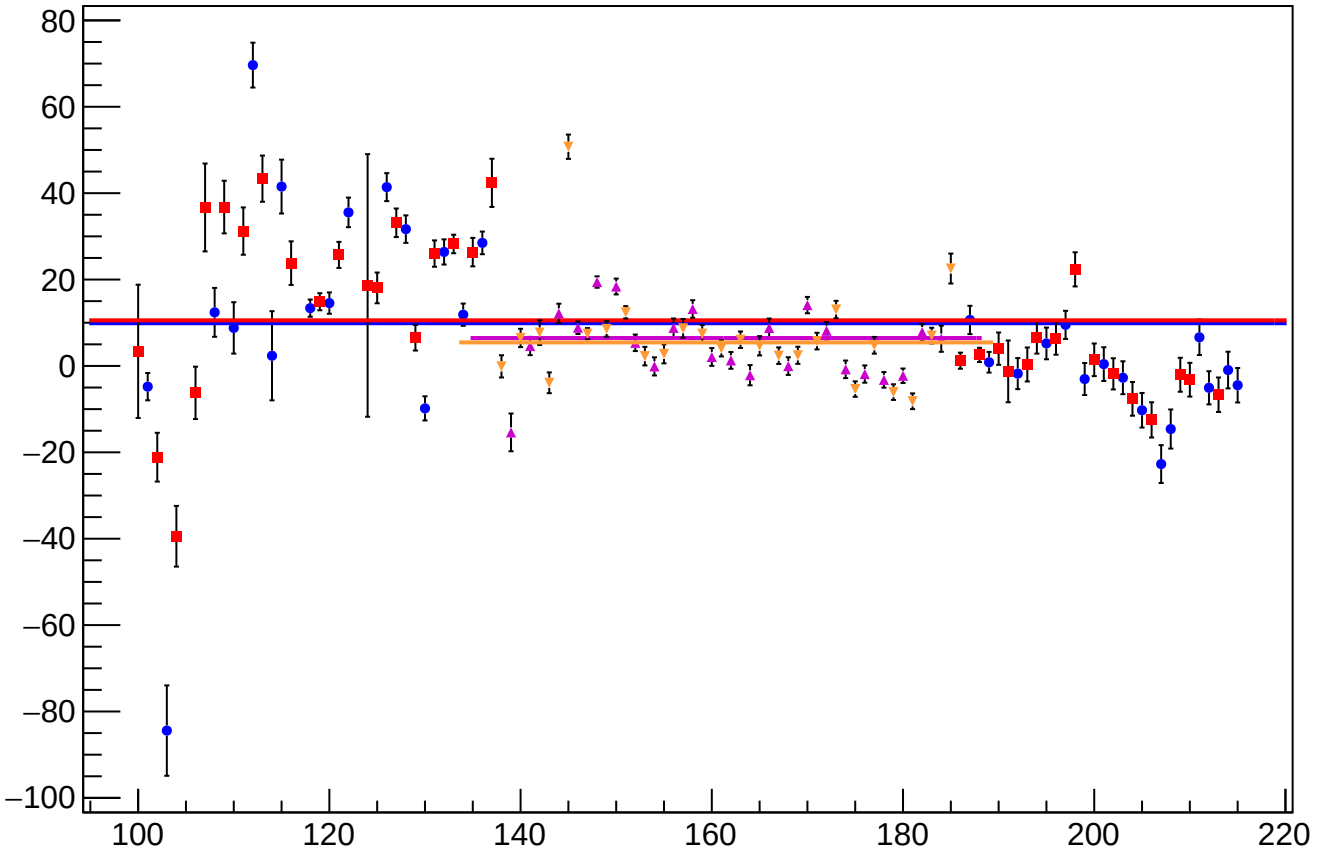
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -3.431+/-0.358 χ^2/NDF: 10898.8/64

In: -6.294+/-0.368 χ^2/NDF:7665.8/53

Out: -6.207+/-0.358 χ^2/NDF:8444.7/58

All: -6.250+/-0.257 χ^2/NDF: 16110.5/112



Right In: 9.889+/-0.619 χ^2/NDF: 799.1/30

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 10.561+/-0.597 χ^2/NDF: 591.1/33

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

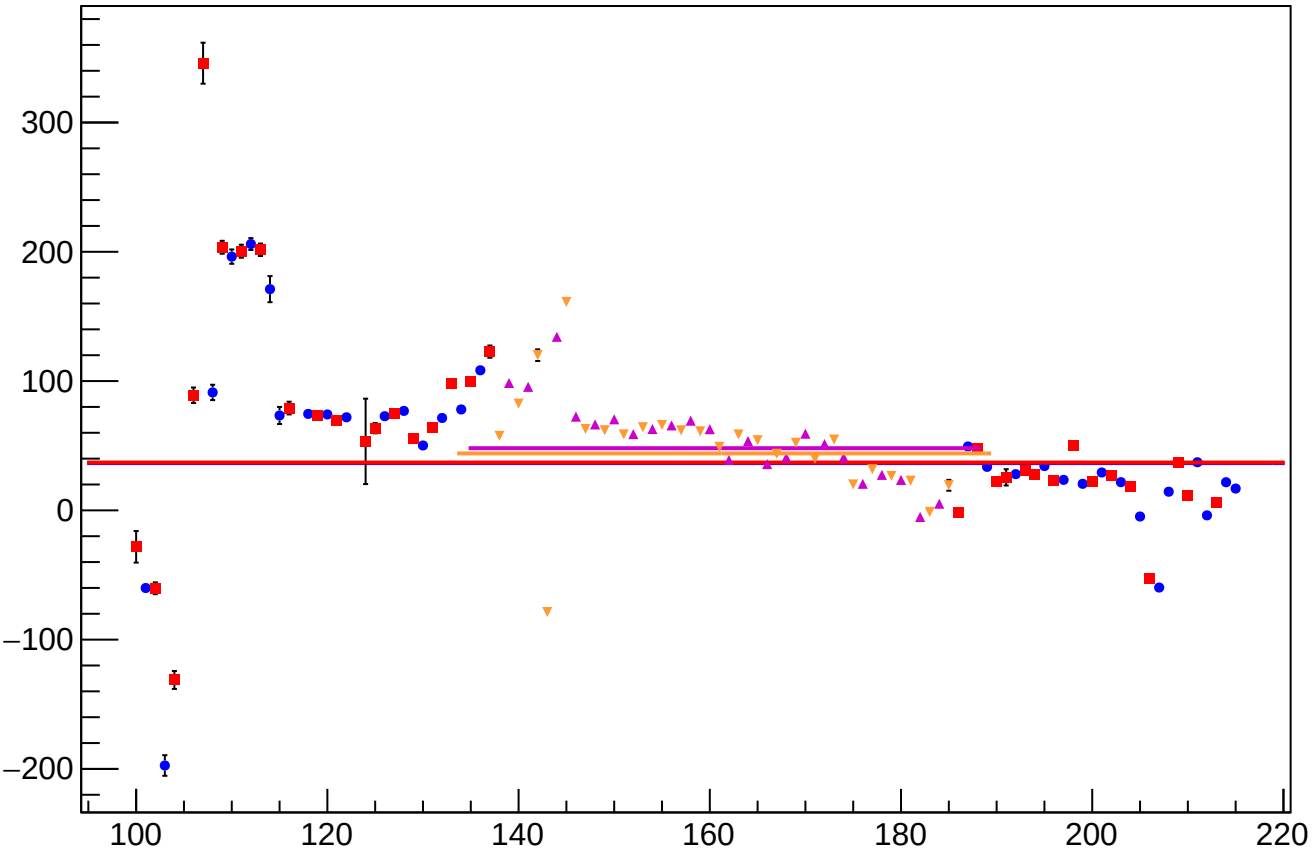
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 10.237+/-0.430 χ^2/NDF: 1390.8/64

In: 7.499+/-0.341 χ^2/NDF:1156.5/53

Out: 6.998+/-0.329 χ^2/NDF:1136.0/58

All: 7.240+/-0.237 χ^2/NDF: 2293.5/112



Right In: 36.546+/-0.514 χ^2/NDF: 8348.0/30

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 36.983+/-0.475 χ^2/NDF: 9324.9/33

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

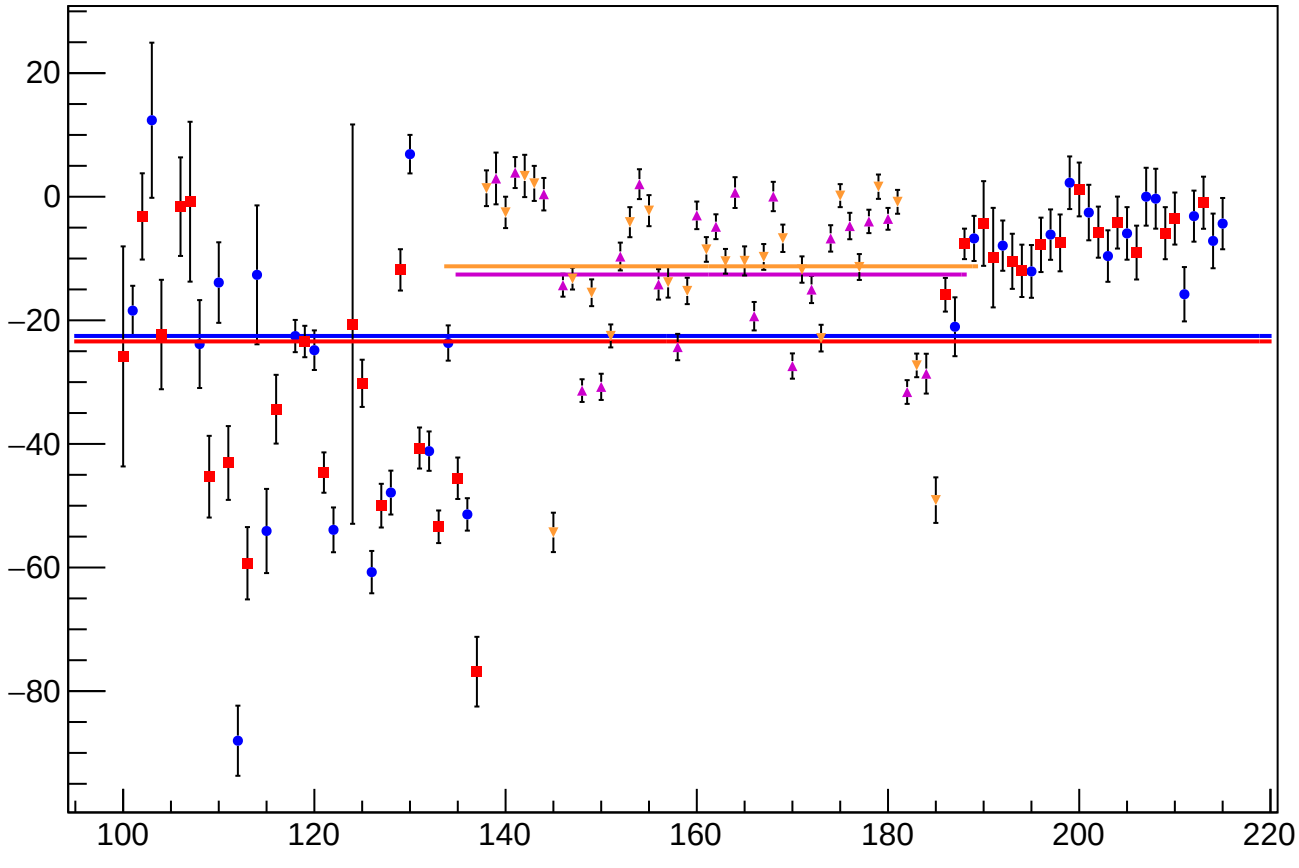
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 36.782+/-0.349 χ^2/NDF: 17673.3/64

In: 42.234+/-0.366 χ^2/NDF:11972.5/53

Out: 40.261+/-0.348 χ^2/NDF:13991.2/58

All: 41.197+/-0.252 χ^2/NDF: 25979.0/112



Right In: -22.528+/-0.717 χ^2/NDF: 893.5/30

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -23.413+/-0.717 χ^2/NDF: 735.3/33

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

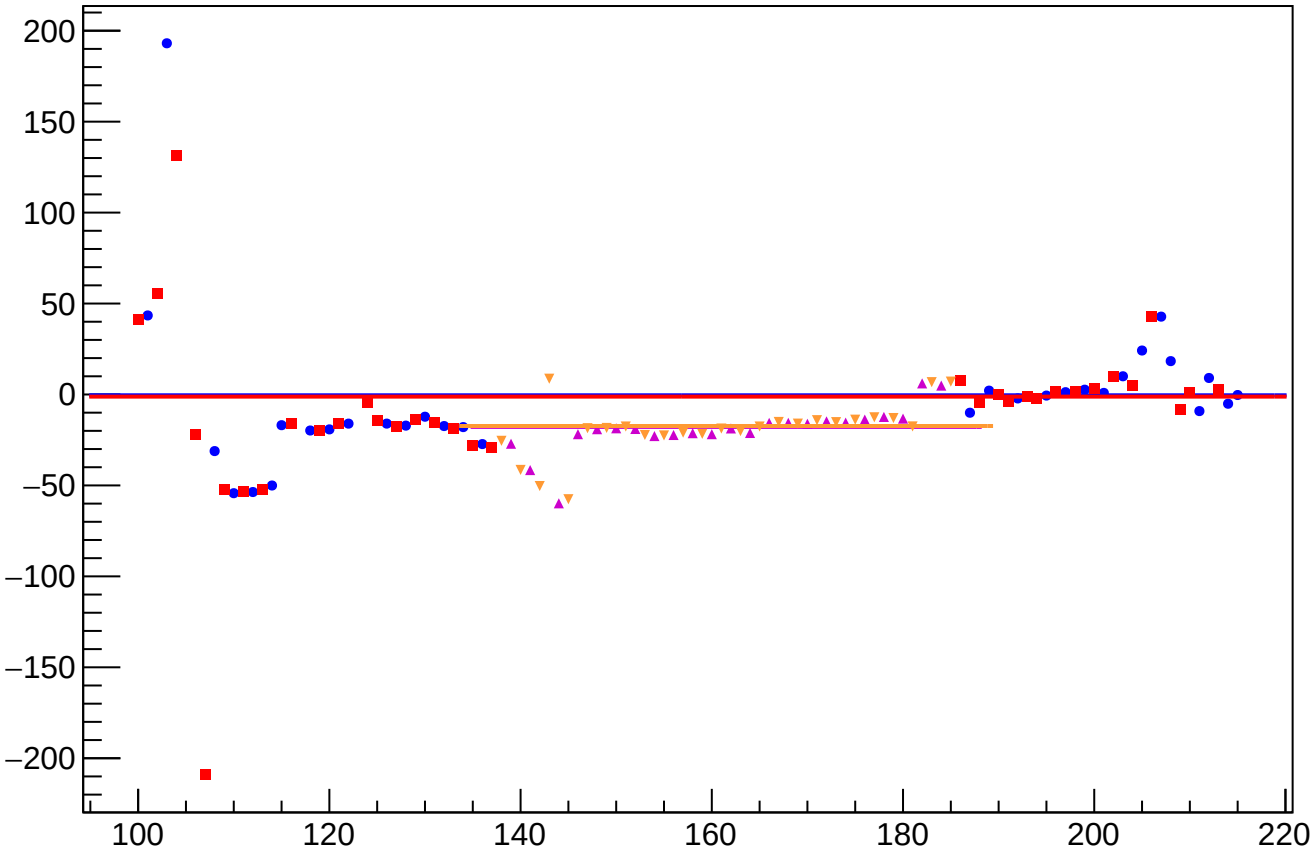
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -22.970+/-0.507 χ^2/NDF: 1629.6/64

In: -15.478+/-0.386 χ^2/NDF:1701.8/53

Out: -14.635+/-0.378 χ^2/NDF:1585.8/58

All: -15.047+/-0.270 χ^2/NDF: 3290.0/112



Right In: -0.445+/-0.034 χ^2/NDF: 648065.0/30

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.175+/-0.034 χ^2/NDF: 571673.8/33

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

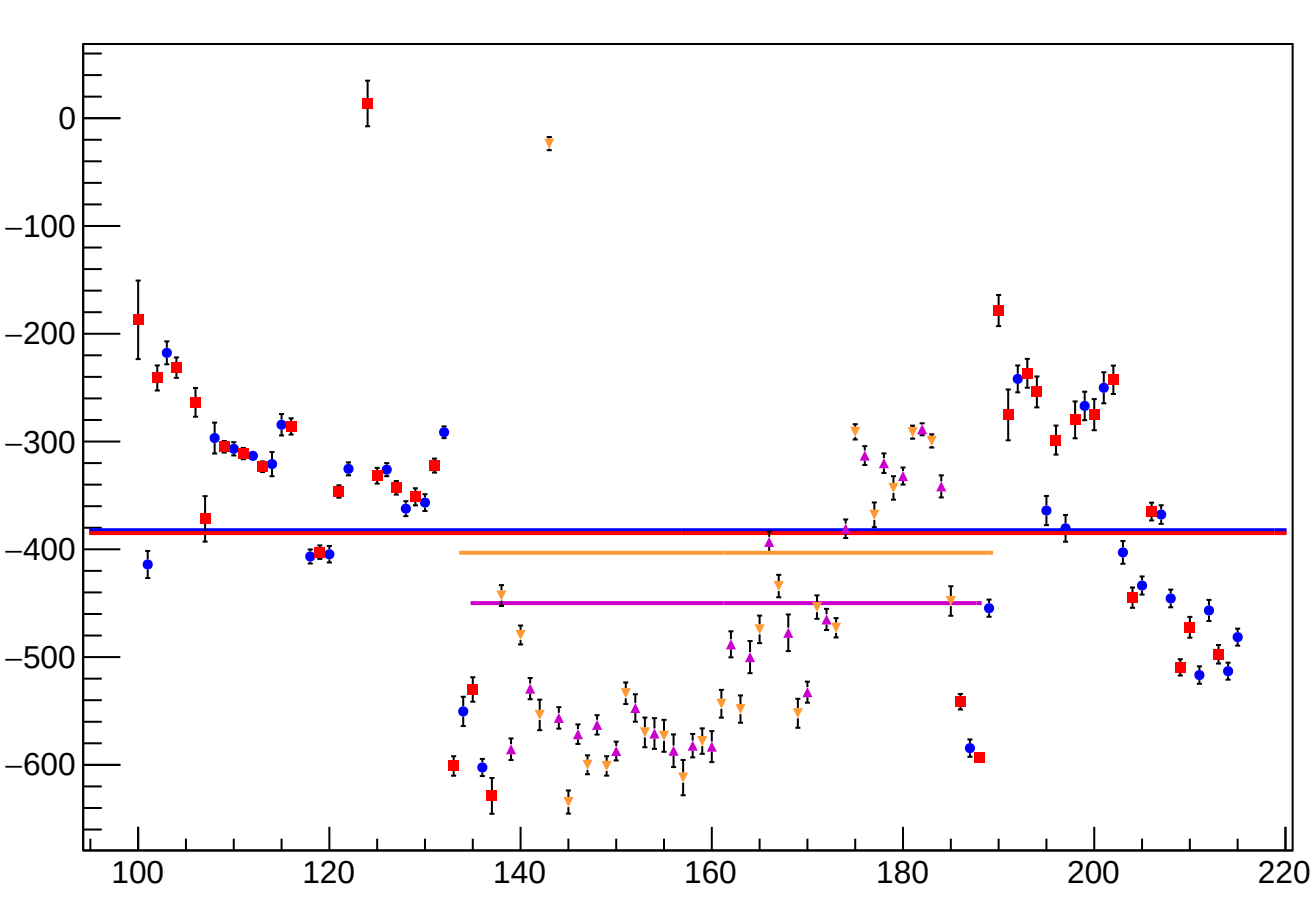
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

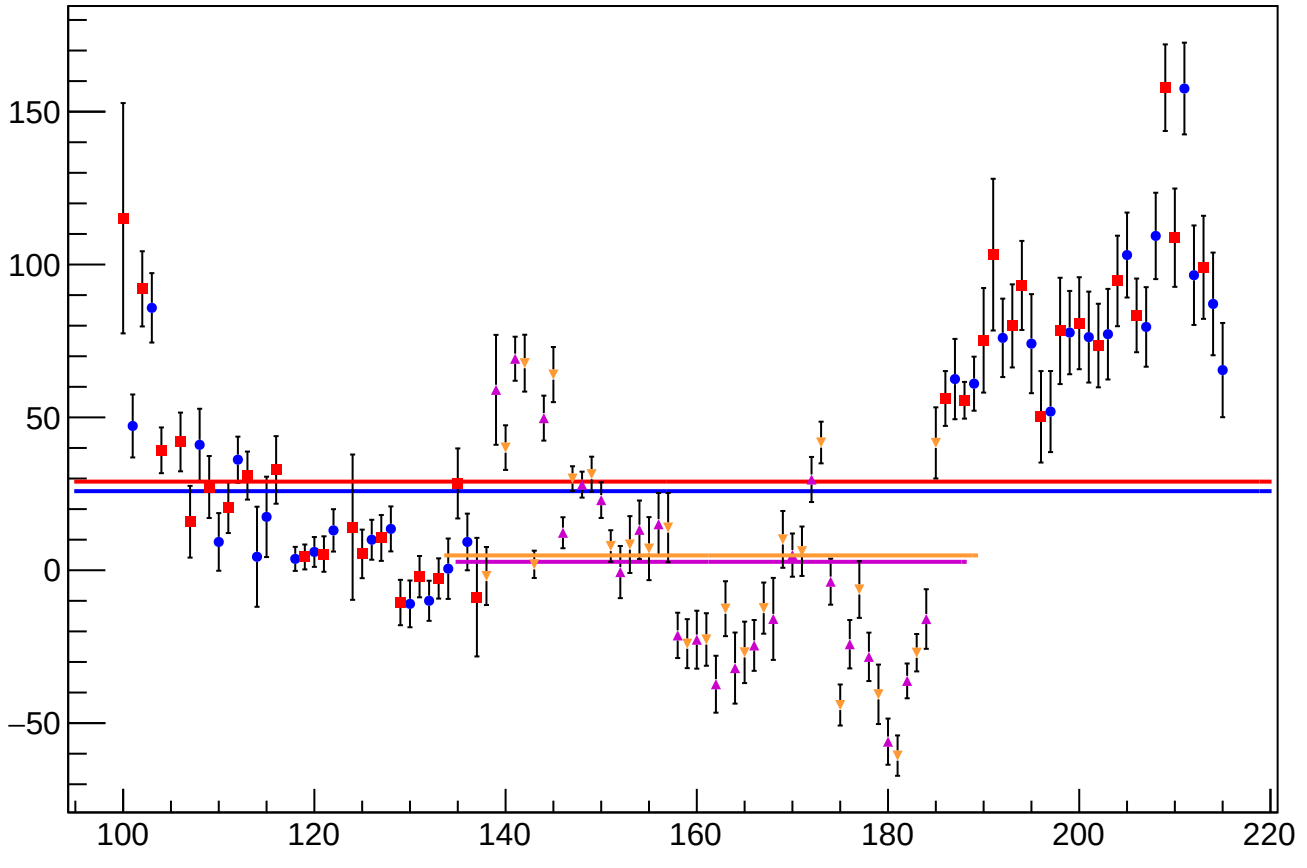
Right: -0.812+/-0.024 χ^2/NDF: 1219973.3/64

In: -13.220+/-0.017 χ^2/NDF:1110099.6/53

Out: -13.113+/-0.017 χ^2/NDF:1090356.9/58

All: -13.166+/-0.012 χ^2/NDF: 2200475.7/112


reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected
0
−100
−200
−300
−400
−500
−600
100
120
140
160
180
200
220
Right In: -382.290+/-1.459 χ²/NDF: 4069.7/30
Left Out: -403.195+/-1.928 χ²/NDF:7750.3/24
Right Out: -384.950+/-1.413 χ²/NDF: 6919.6/33
Left In: -449.912+/-2.043 χ²/NDF:3218.9/22
Left: -425.194+/-1.402 χ²/NDF: 11245.8/47
Right: -383.663+/-1.015 χ²/NDF: 10991.0/64
In: -405.132+/-1.187 χ²/NDF:8014.0/53
Out: -391.328+/-1.140 χ²/NDF:14728.2/58
All: -397.947+/-0.822 χ²/NDF: 22812.5/112



Right In: 25.870+/-1.633 χ^2/NDF: 452.7/30

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 28.995+/-1.606 χ^2/NDF: 458.5/33

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

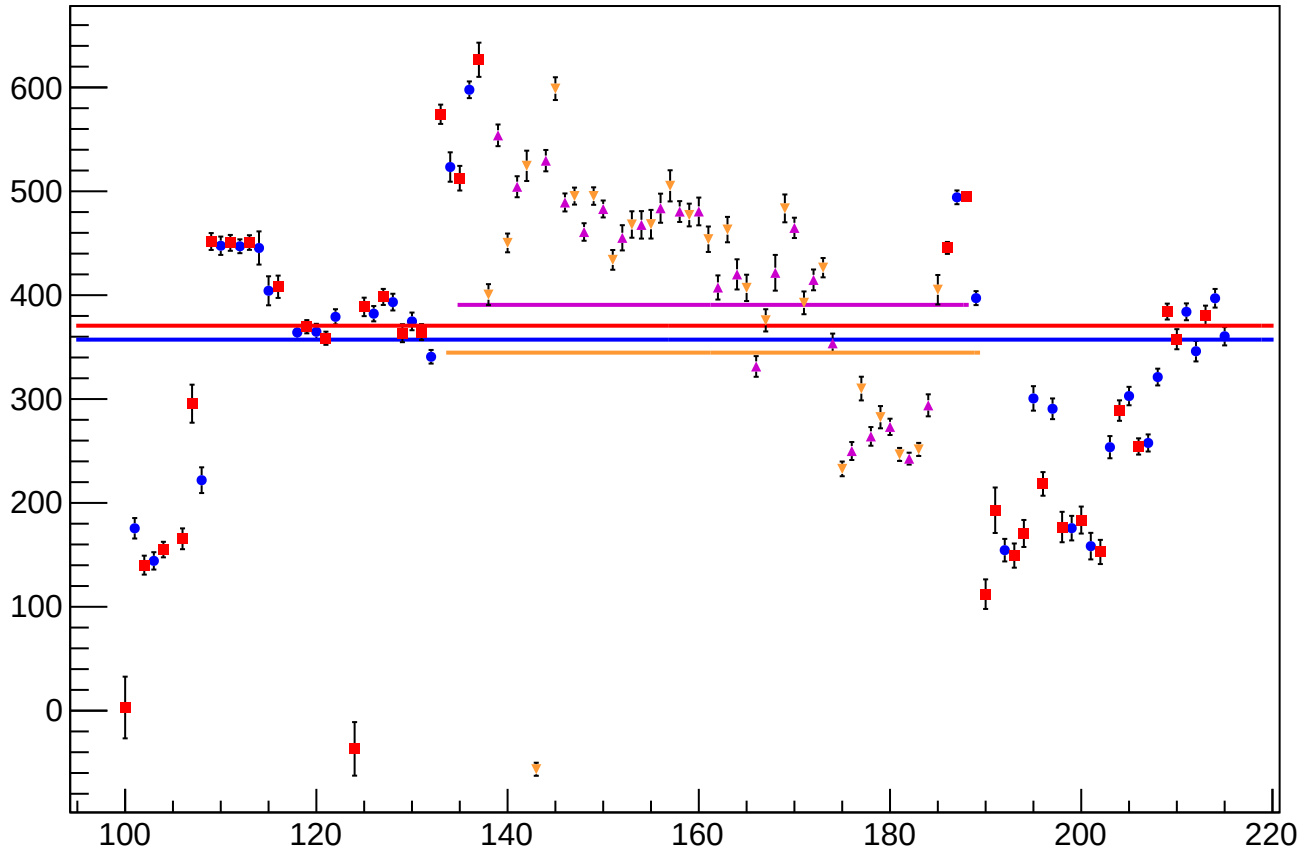
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 27.458+/-1.145 χ^2/NDF: 913.1/64

In: 13.746+/-1.126 χ^2/NDF:957.4/53

Out: 15.669+/-1.075 χ^2/NDF:1040.4/58

All: 14.751+/-0.778 χ^2/NDF: 1999.3/112



Right In: 357.200+/-1.557 χ^2/NDF: 4210.0/30

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.613+/-1.469 χ^2/NDF: 7214.3/33

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

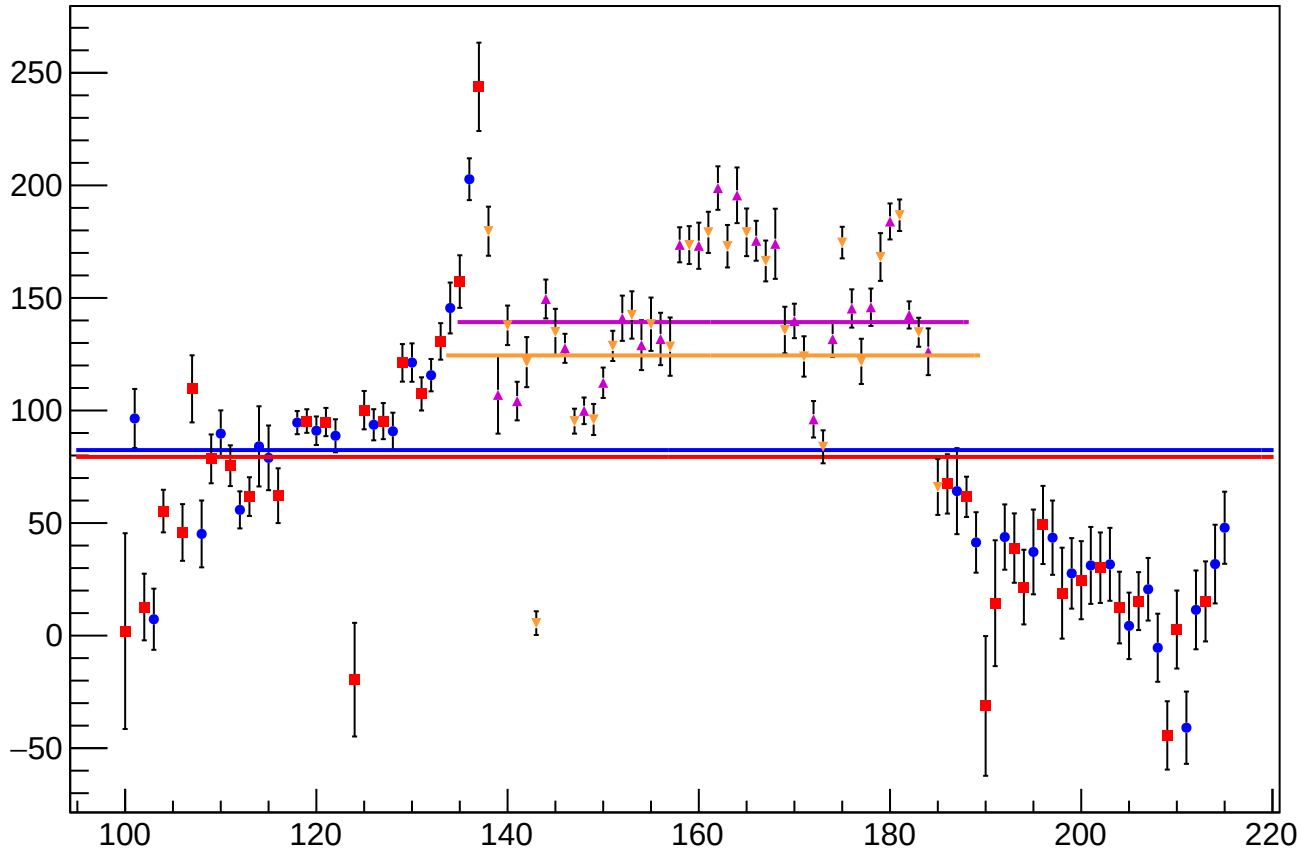
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 364.297+/-1.068 χ^2/NDF: 11463.6/64

In: 369.602+/-1.235 χ^2/NDF:7054.0/53

Out: 361.064+/-1.168 χ^2/NDF:14607.3/58

All: 365.092+/-0.849 χ^2/NDF: 21686.5/112



Right In: 82.410+/-1.901 χ^2/NDF: 532.1/30

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 79.380+/-1.886 χ^2/NDF: 497.7/33

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

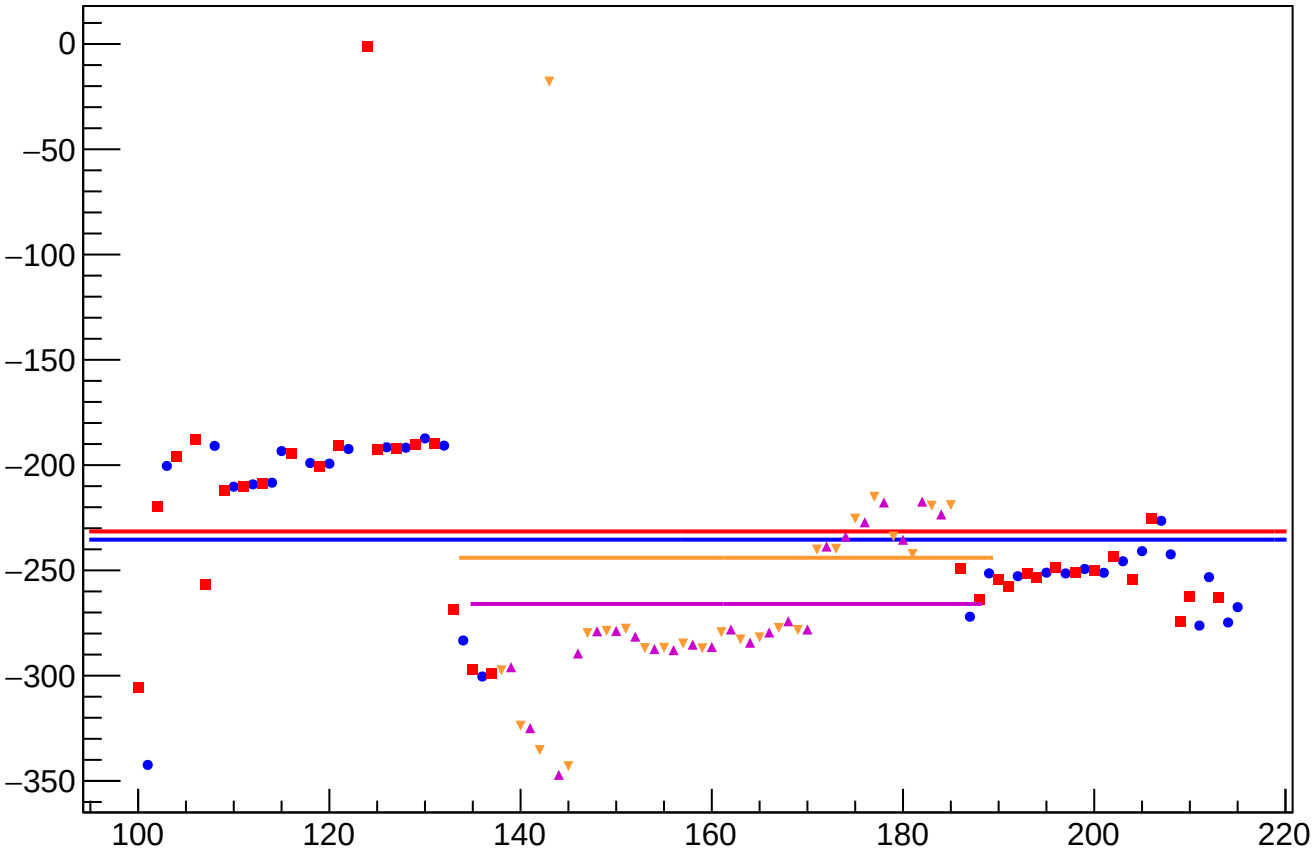
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 80.883+/-1.339 χ^2/NDF: 1031.1/64

In: 112.875+/-1.295 χ^2/NDF:1272.5/53

Out: 104.763+/-1.247 χ^2/NDF:1757.0/58

All: 108.665+/-0.898 χ^2/NDF: 3049.8/112



Right In: -235.408+/-0.103 χ^2/NDF: 143136.3/30

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -231.503+/-0.100 χ^2/NDF: 118045.0/33

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

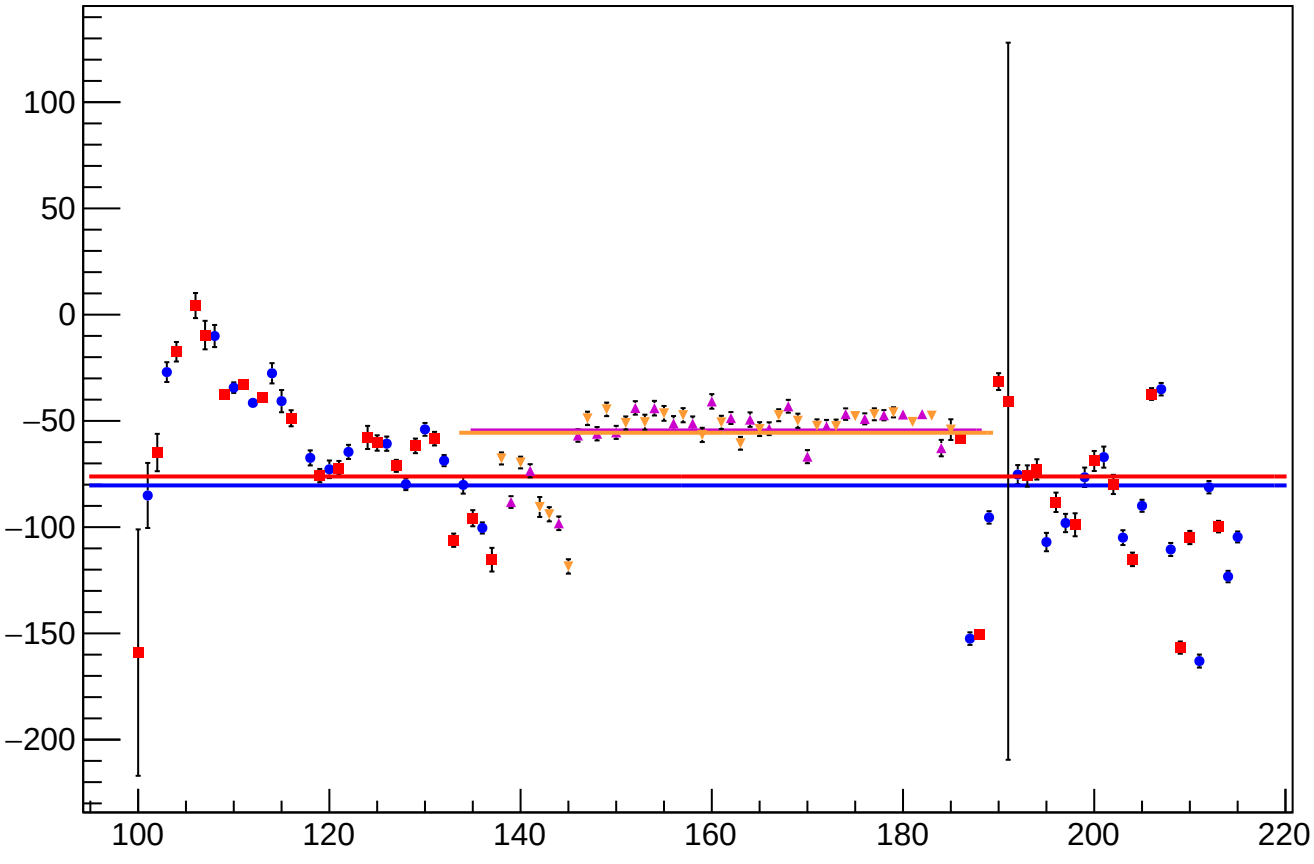
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -233.400+/-0.072 χ^2/NDF: 261915.1/64

In: -254.420+/-0.064 χ^2/NDF:367386.0/53

Out: -239.363+/-0.061 χ^2/NDF:1125754.2/58

All: -246.621+/-0.044 χ^2/NDF: 1522245.8/11



Right In: -80.370+/-0.590 χ^2/NDF: 3538.1/30

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -76.152+/-0.562 χ^2/NDF: 5134.5/33

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

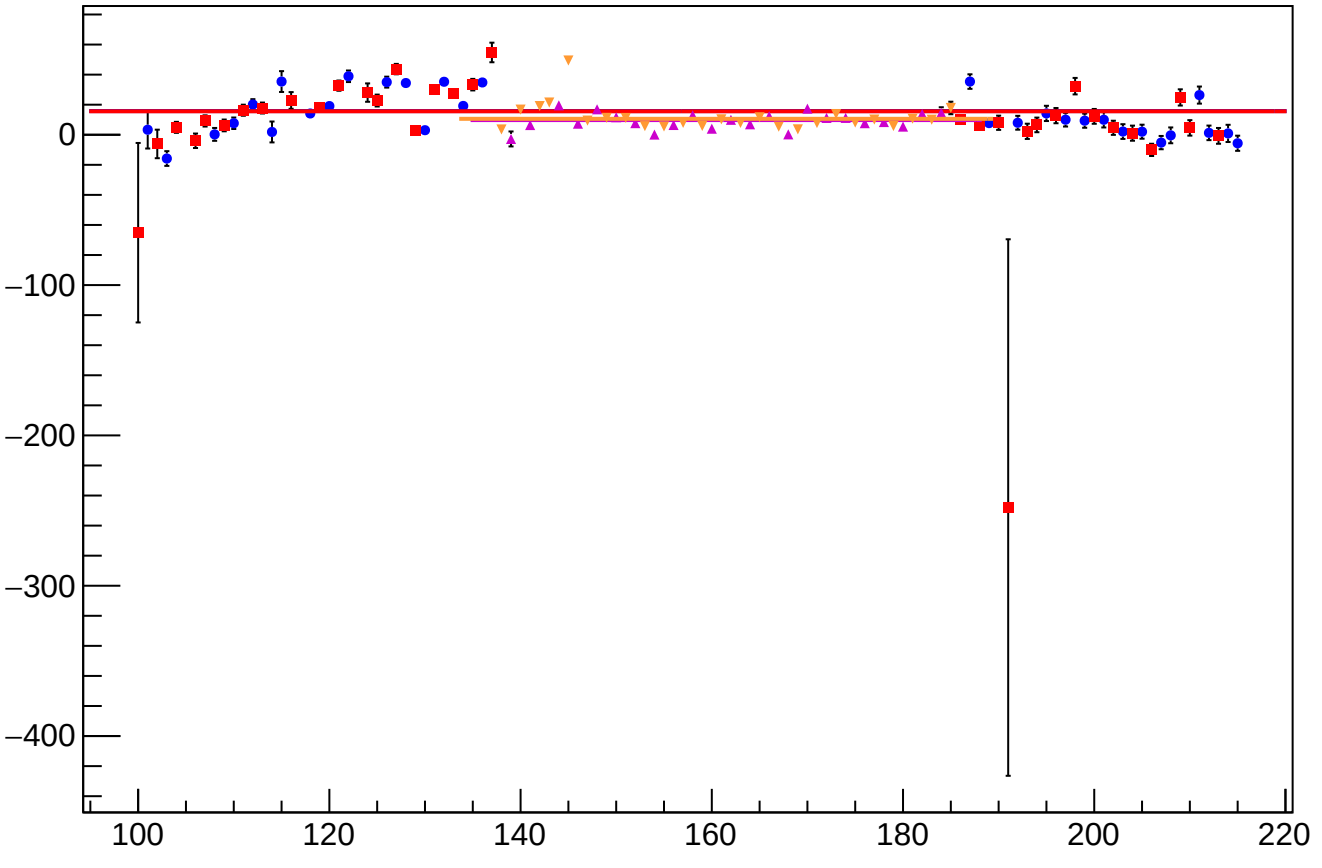
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -78.159+/-0.407 χ^2/NDF: 8699.4/64

In: -67.782+/-0.423 χ^2/NDF:4973.5/53

Out: -66.361+/-0.407 χ^2/NDF:6458.4/58

All: -67.044+/-0.293 χ^2/NDF: 11437.8/112



Right In: 15.755+/-0.707 χ^2/NDF: 386.2/30

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.619+/-0.663 χ^2/NDF: 378.5/33

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

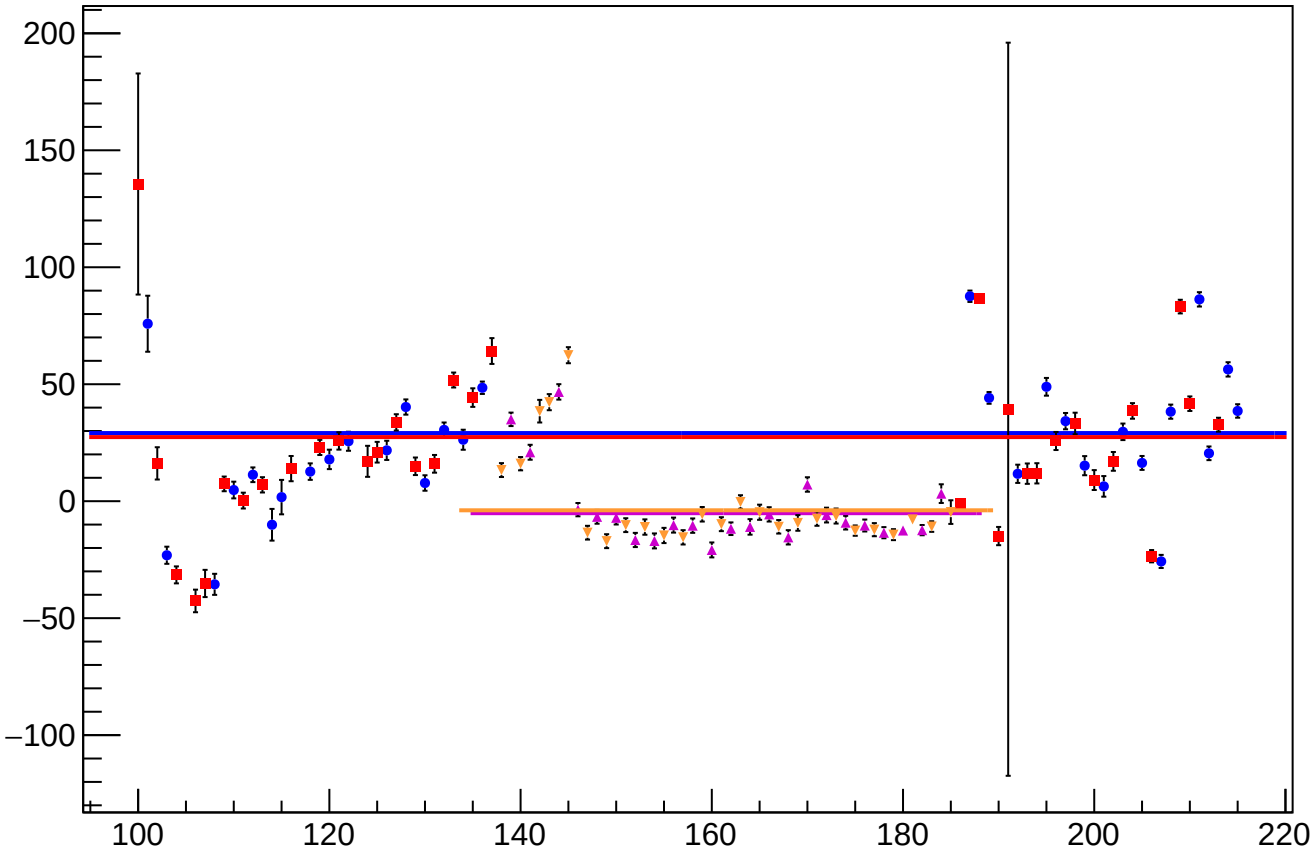
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 15.683+/-0.483 χ^2/NDF: 764.7/64

In: 11.585+/-0.390 χ^2/NDF:557.3/53

Out: 12.183+/-0.372 χ^2/NDF:672.9/58

All: 11.898+/-0.269 χ^2/NDF: 1231.4/112



Right In: 29.126+/-0.617 χ^2/NDF: 2251.5/30

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.404+/-0.566 χ^2/NDF: 4081.2/33

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

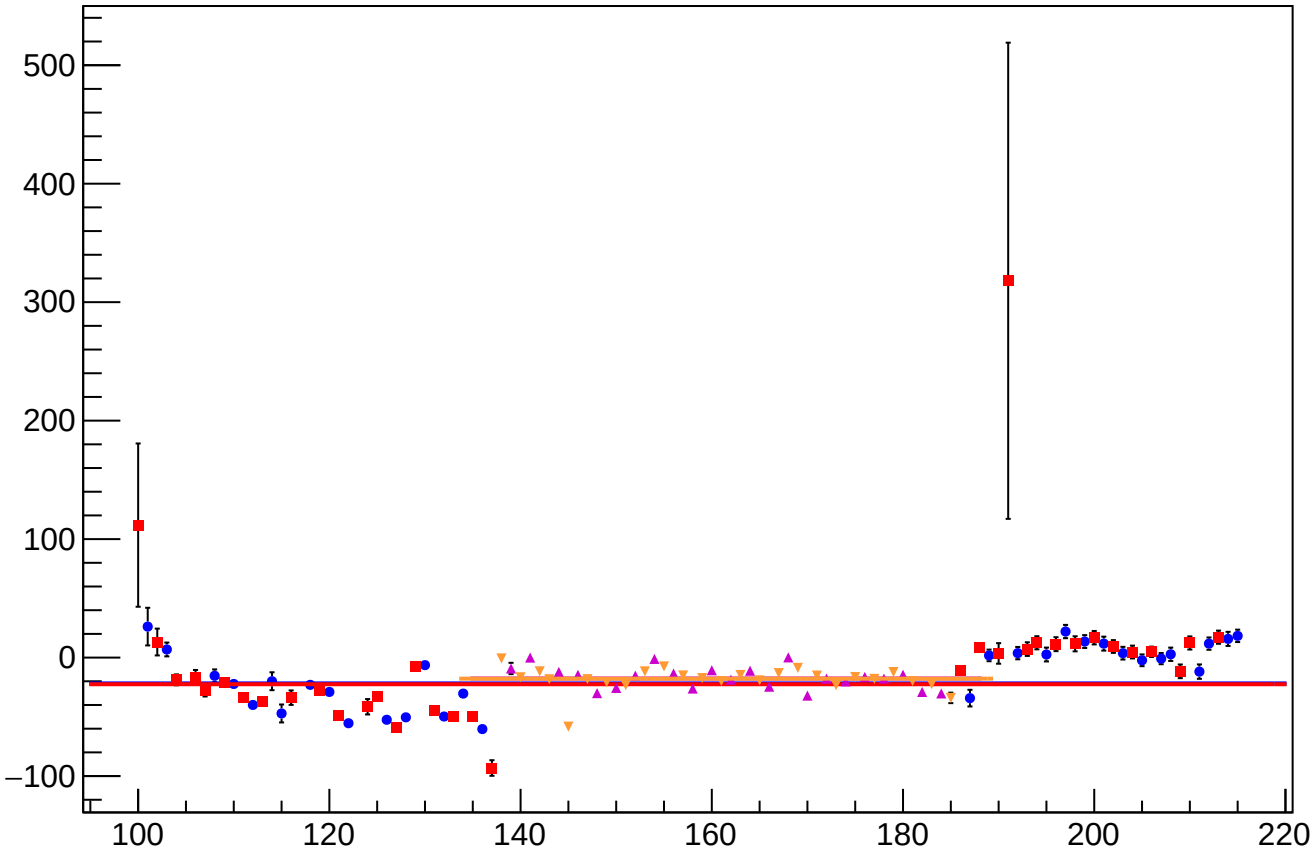
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 28.190+/-0.417 χ^2/NDF: 6337.0/64

In: 11.521+/-0.430 χ^2/NDF:4486.9/53

Out: 12.286+/-0.407 χ^2/NDF:6410.9/58

All: 11.925+/-0.295 χ^2/NDF: 10899.5/112



Right In: -21.790+/-0.810 χ^2/NDF: 945.1/30

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -22.486+/-0.787 χ^2/NDF: 995.2/33

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

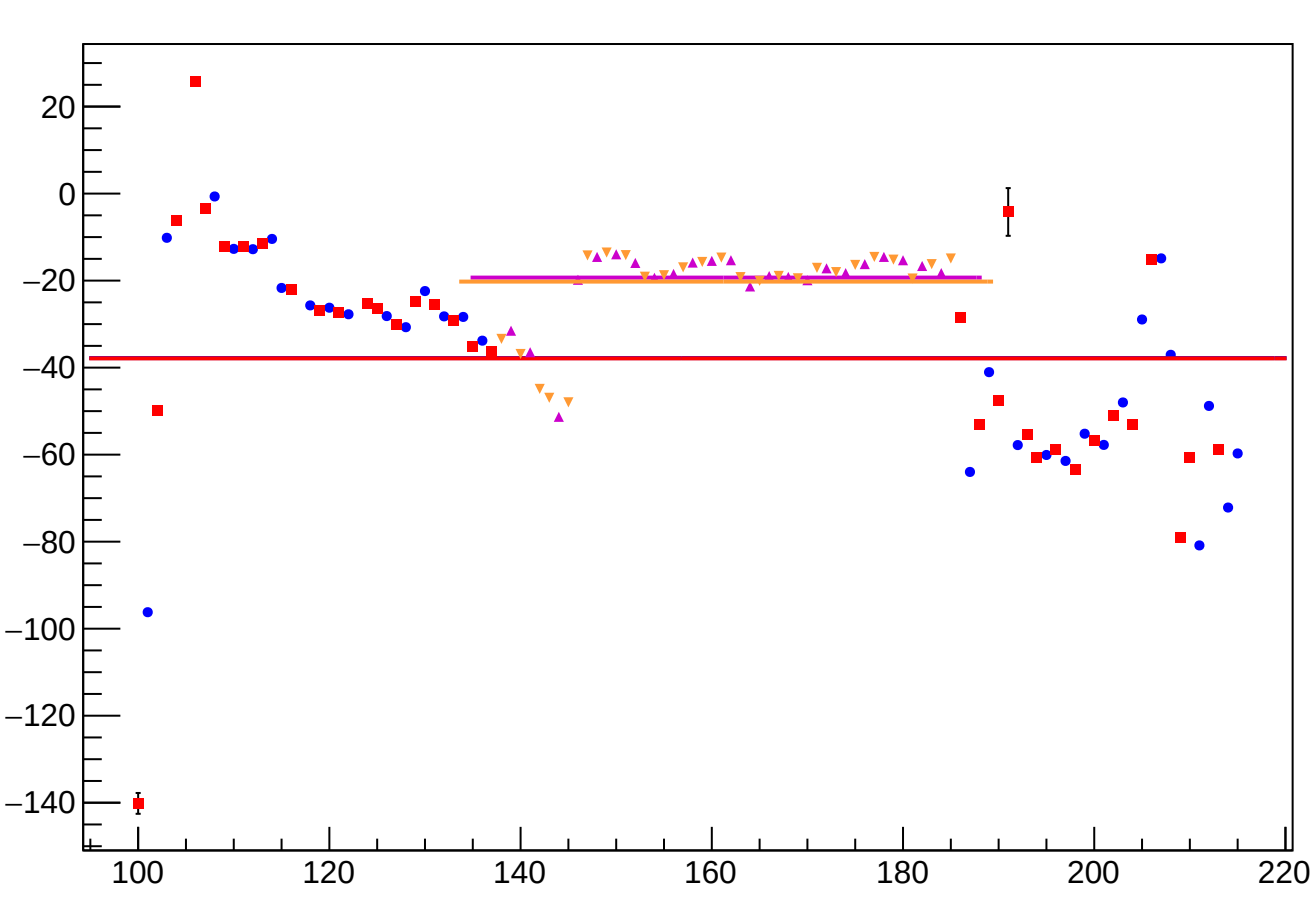
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -22.149+/-0.564 χ^2/NDF: 1940.6/64

In: -18.872+/-0.441 χ^2/NDF:1249.4/53

Out: -19.166+/-0.427 χ^2/NDF:1272.0/58

All: -19.024+/-0.307 χ^2/NDF: 2521.6/112



Right In: -37.806+/-0.039 χ^2/NDF: 258599.8/30

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -37.872+/-0.039 χ^2/NDF: 331223.9/33

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

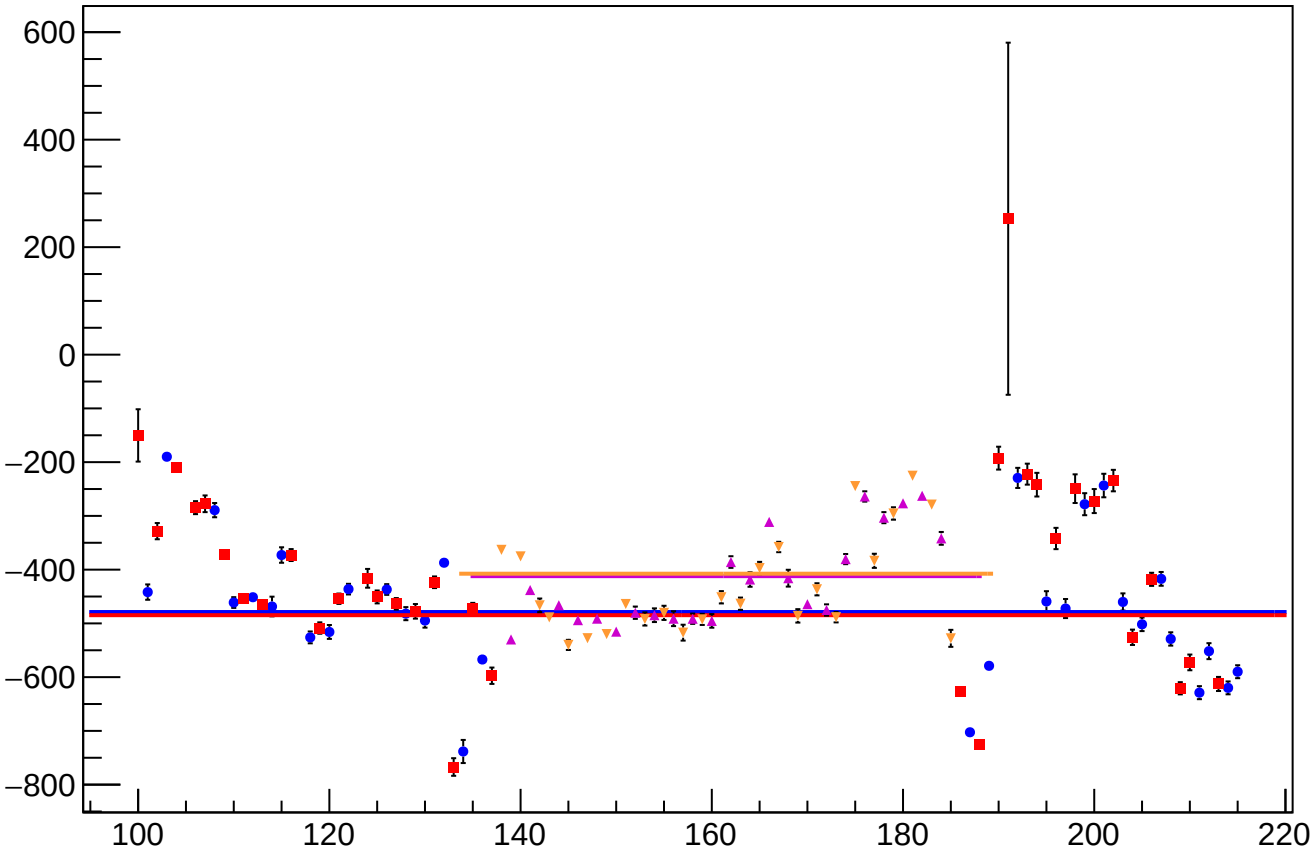
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

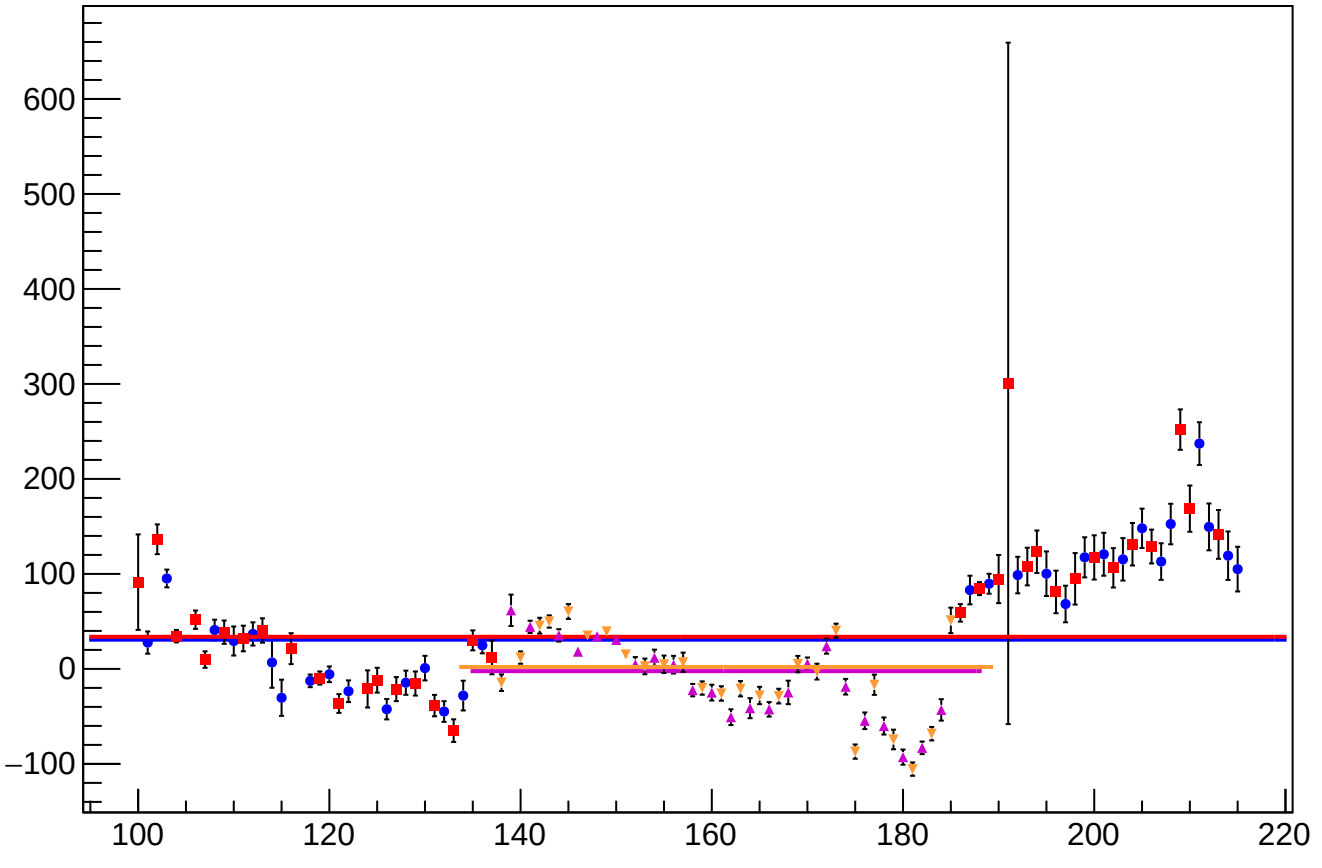
Right: -37.839+/-0.028 χ^2/NDF: 589825.2/64

In: -24.117+/-0.020 χ^2/NDF:515947.7/53

Out: -24.717+/-0.020 χ^2/NDF:630222.5/58

All: -24.421+/-0.014 χ^2/NDF: 1146625.5/112


reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
220
Right In: -478.858+/-2.116 χ²/NDF: 3306.3/30
Left Out: -407.554+/-1.951 χ²/NDF:2872.6/24
Right Out: -484.716+/-1.957 χ²/NDF: 6406.7/33
Left In: -412.102+/-2.008 χ²/NDF:2182.3/22
Left: -409.762+/-1.399 χ²/NDF: 5057.5/47
Right: -482.015+/-1.437 χ²/NDF: 9717.2/64
In: -443.738+/-1.457 χ²/NDF:6012.3/53
Out: -446.020+/-1.382 χ²/NDF:10059.1/58
All: -444.939+/-1.002 χ²/NDF: 16072.6/112



Right In: 30.773+/-2.387 χ^2/NDF: 599.7/30

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 33.820+/-2.180 χ^2/NDF: 646.8/33

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

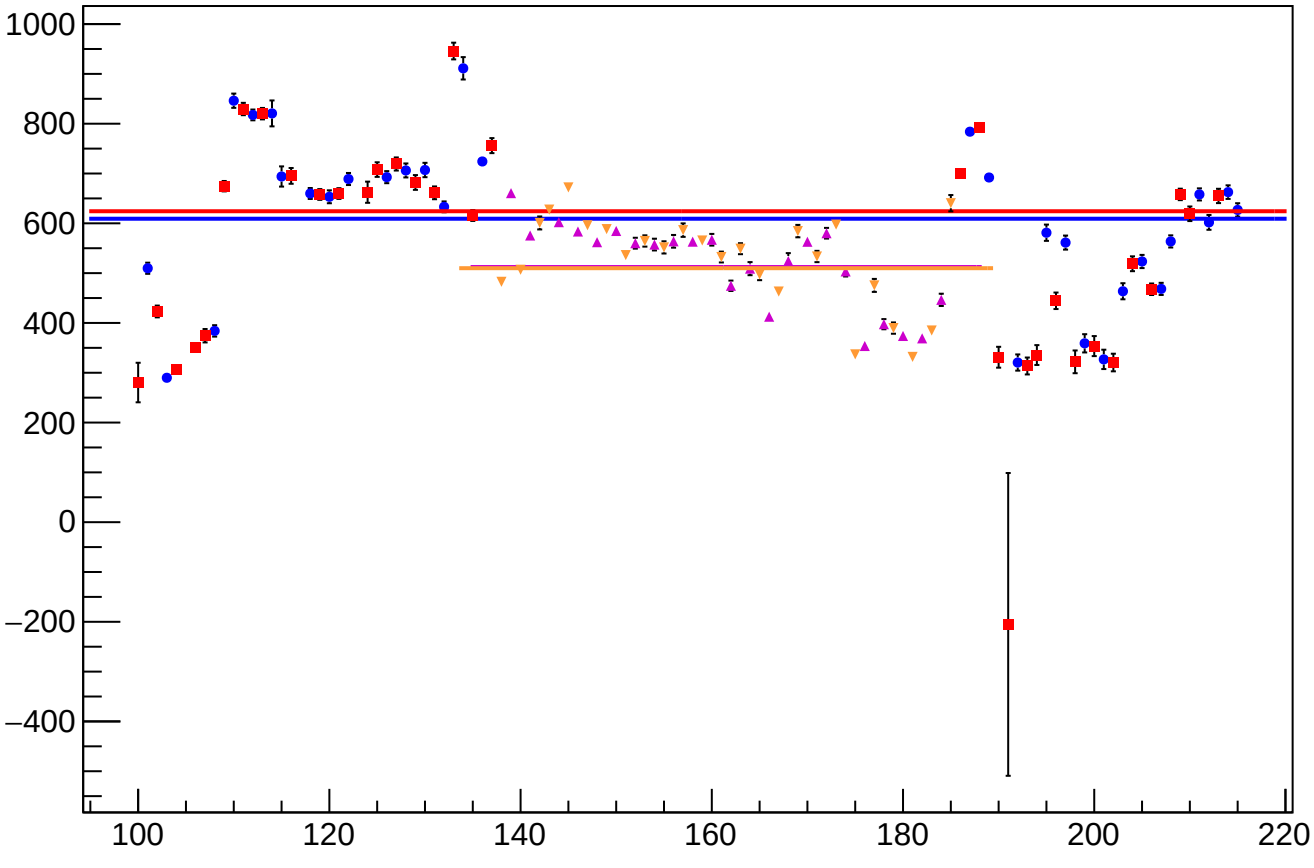
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 32.434+/-1.610 χ^2/NDF: 1247.3/64

In: 6.857+/-1.259 χ^2/NDF:1472.1/53

Out: 11.561+/-1.193 χ^2/NDF:1706.4/58

All: 9.336+/-0.866 χ^2/NDF: 3185.9/112



Right In: 609.214+/-2.148 χ^2/NDF: 5562.5/30

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 624.259+/-1.918 χ^2/NDF: 8820.3/33

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

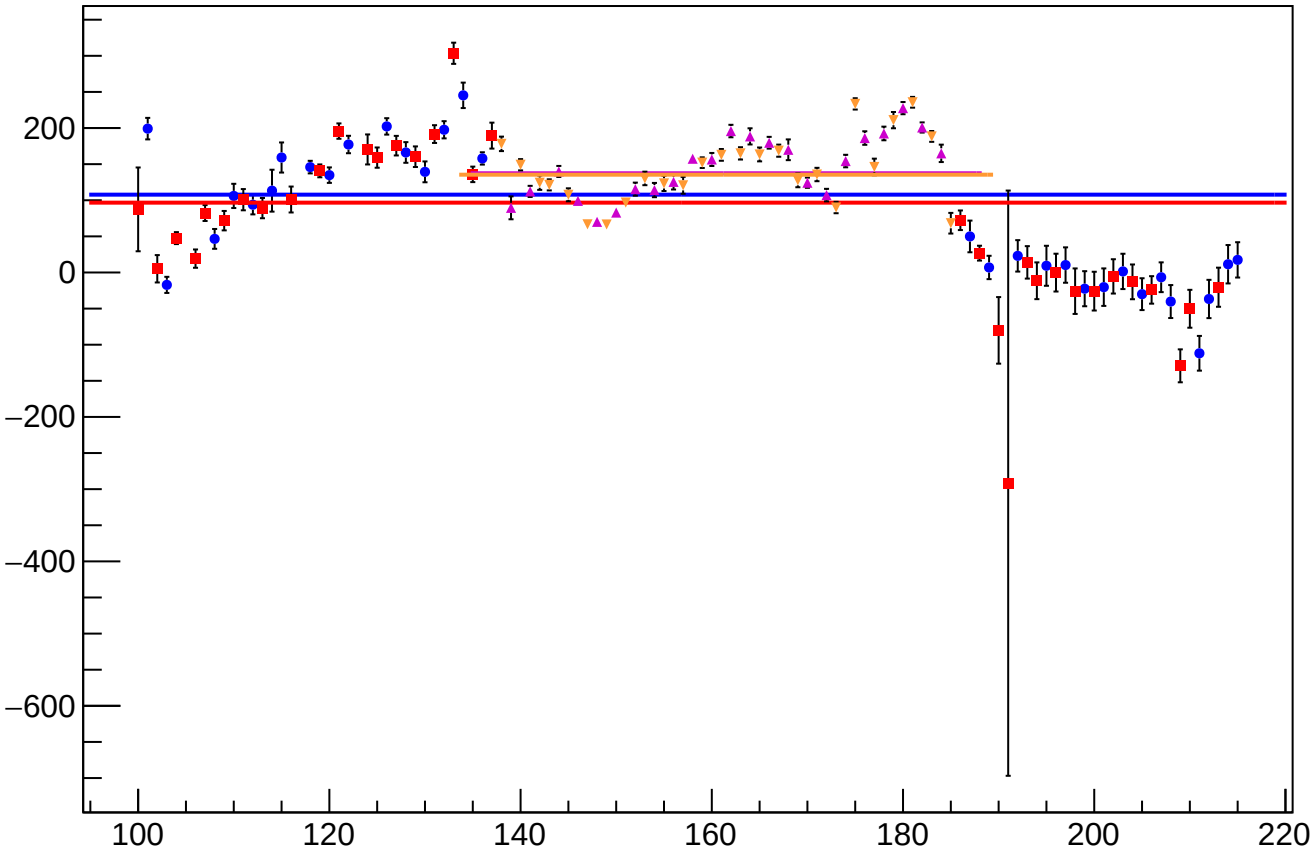
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 617.587+/-1.431 χ^2/NDF: 14410.1/64

In: 556.890+/-1.457 χ^2/NDF:8749.2/53

Out: 567.620+/-1.362 χ^2/NDF:13244.1/58

All: 562.617+/-0.995 χ^2/NDF: 22022.3/112



Right In: 107.760+/-2.783 χ^2/NDF: 905.2/30

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 96.691+/-2.613 χ^2/NDF: 971.1/33

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

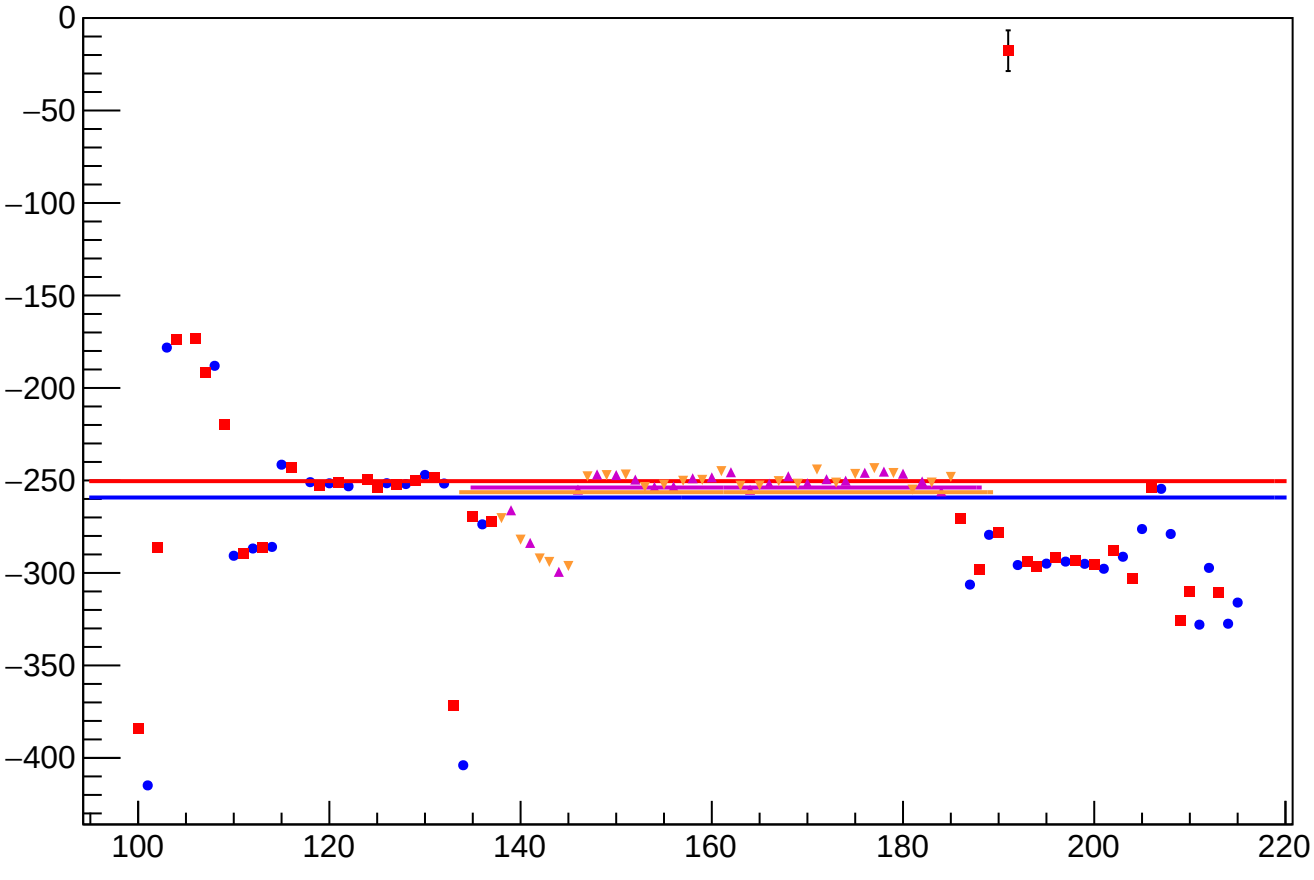
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 101.877+/-1.905 χ^2/NDF: 1884.7/64

In: 129.312+/-1.452 χ^2/NDF:1693.6/53

Out: 124.382+/-1.394 χ^2/NDF:2051.3/58

All: 126.747+/-1.006 χ^2/NDF: 3750.8/112



Right In: -259.216+/-0.133 χ^2/NDF: 207789.2/30

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -250.371+/-0.129 χ^2/NDF: 158269.0/33

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

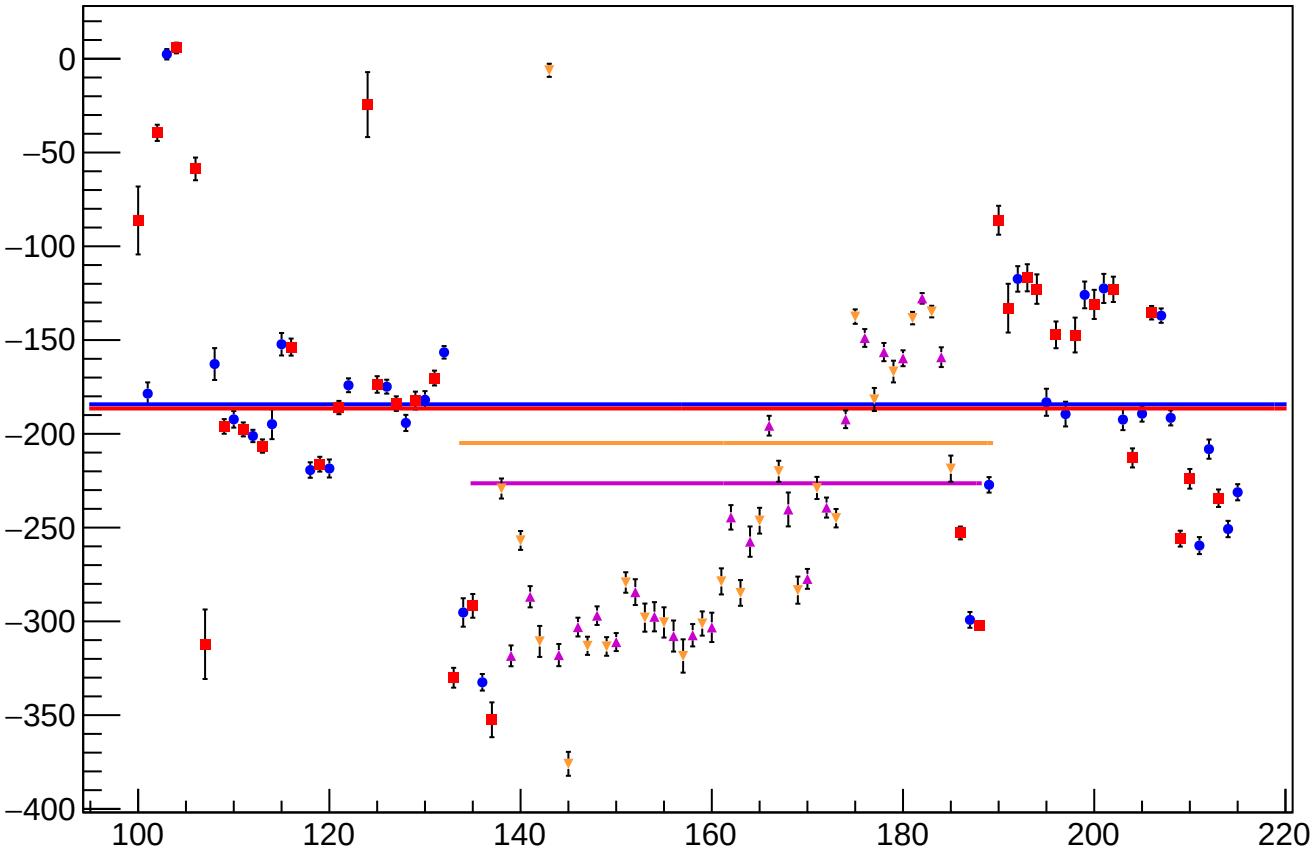
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -254.650+/-0.092 χ^2/NDF: 368342.0/64

In: -255.195+/-0.067 χ^2/NDF:233093.6/53

Out: -254.770+/-0.066 χ^2/NDF:199367.9/58

All: -254.979+/-0.047 χ^2/NDF: 432481.8/112



Right In: -184.268+/-0.820 χ^2/NDF: 8011.5/30

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -186.498+/-0.795 χ^2/NDF: 12023.5/33

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

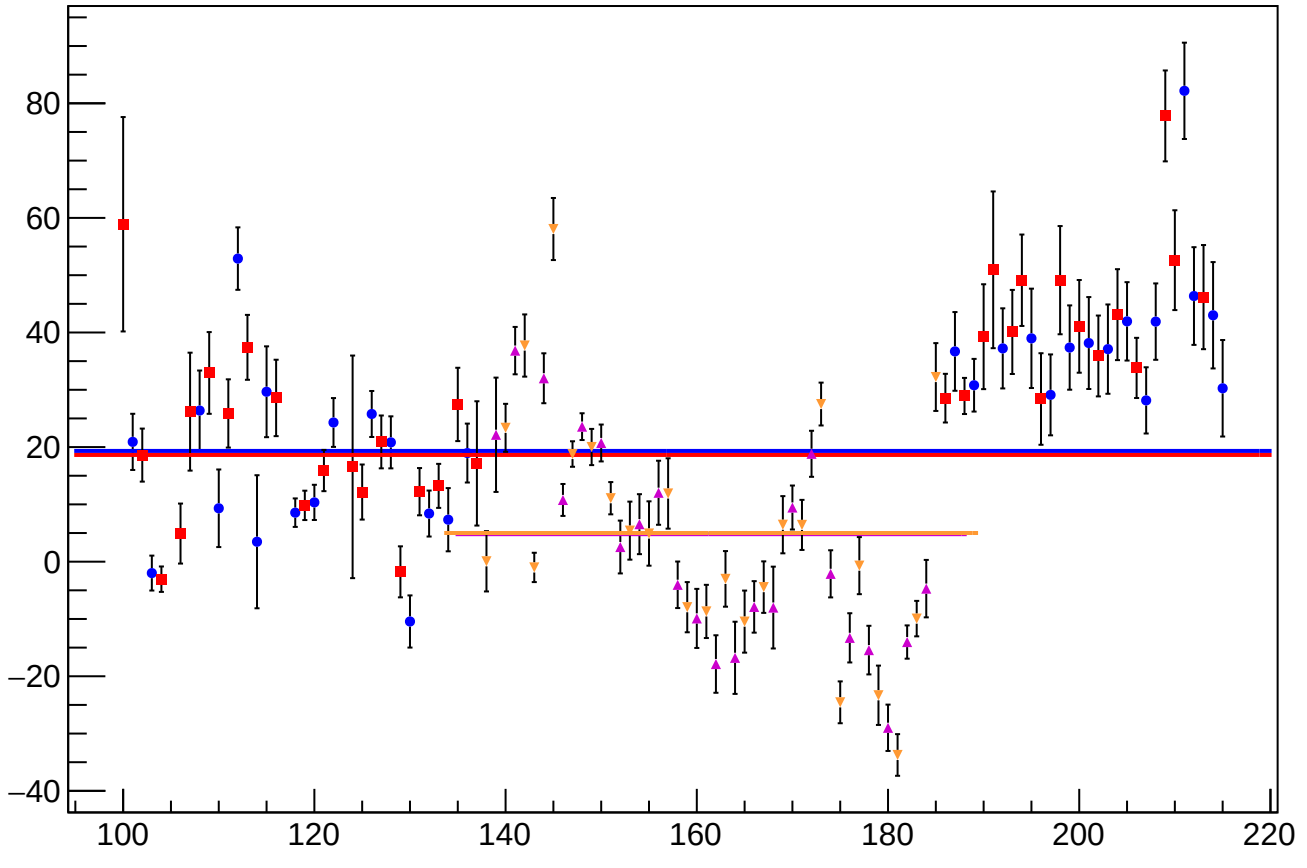
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -185.417+/-0.571 χ^2/NDF: 20038.8/64

In: -199.211+/-0.658 χ^2/NDF:13166.7/53

Out: -193.185+/-0.634 χ^2/NDF:20044.4/58

All: -196.086+/-0.457 χ^2/NDF: 33254.6/112



Right In: 19.329+/-0.927 χ^2/NDF: 321.8/30

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 18.627+/-0.878 χ^2/NDF: 341.6/33

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

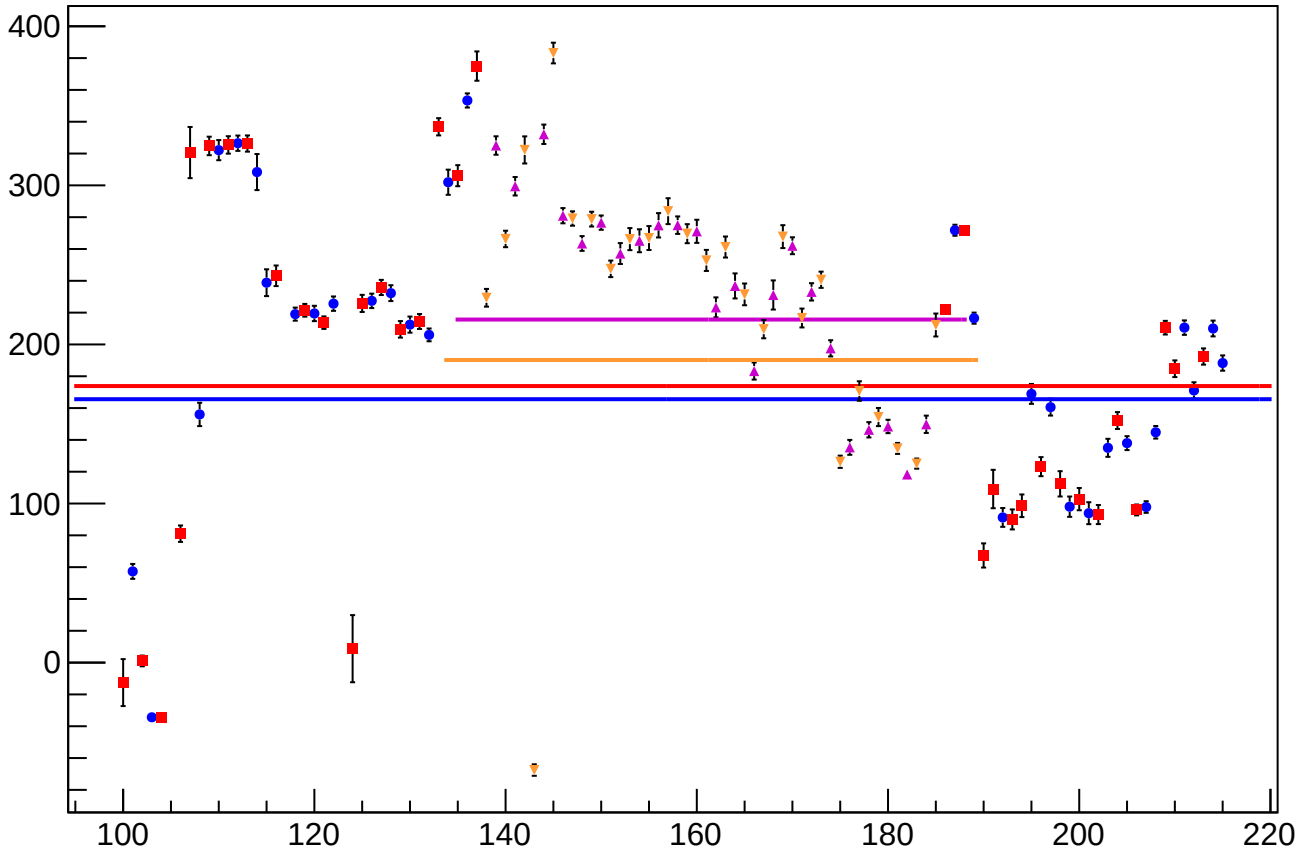
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 18.959+/-0.638 χ^2/NDF: 663.7/64

In: 11.404+/-0.625 χ^2/NDF:882.1/53

Out: 11.124+/-0.589 χ^2/NDF:1022.5/58

All: 11.256+/-0.429 χ^2/NDF: 1904.7/112



Right In: 165.579+/-0.827 χ^2/NDF: 16142.9/30

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 173.842+/-0.776 χ^2/NDF: 21464.1/33

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

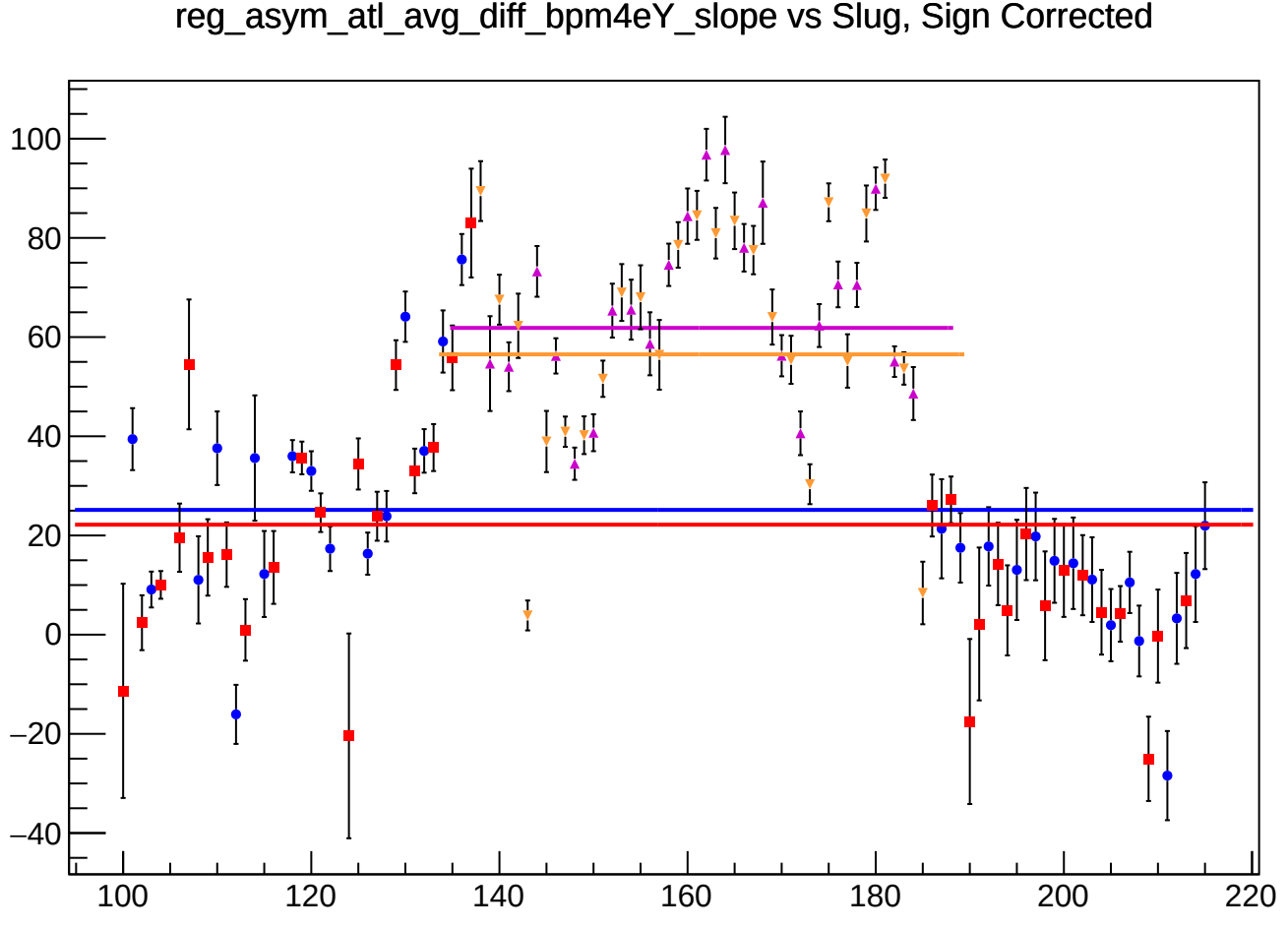
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 169.973+/-0.566 χ^2/NDF: 37660.1/64

In: 183.683+/-0.660 χ^2/NDF:21355.8/53

Out: 179.624+/-0.624 χ^2/NDF:31005.4/58

All: 181.538+/-0.454 χ^2/NDF: 52381.2/112



Right In: 25.153+/-1.080 χ^2/NDF: 377.3/30

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.174+/-1.046 χ^2/NDF: 269.1/33

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

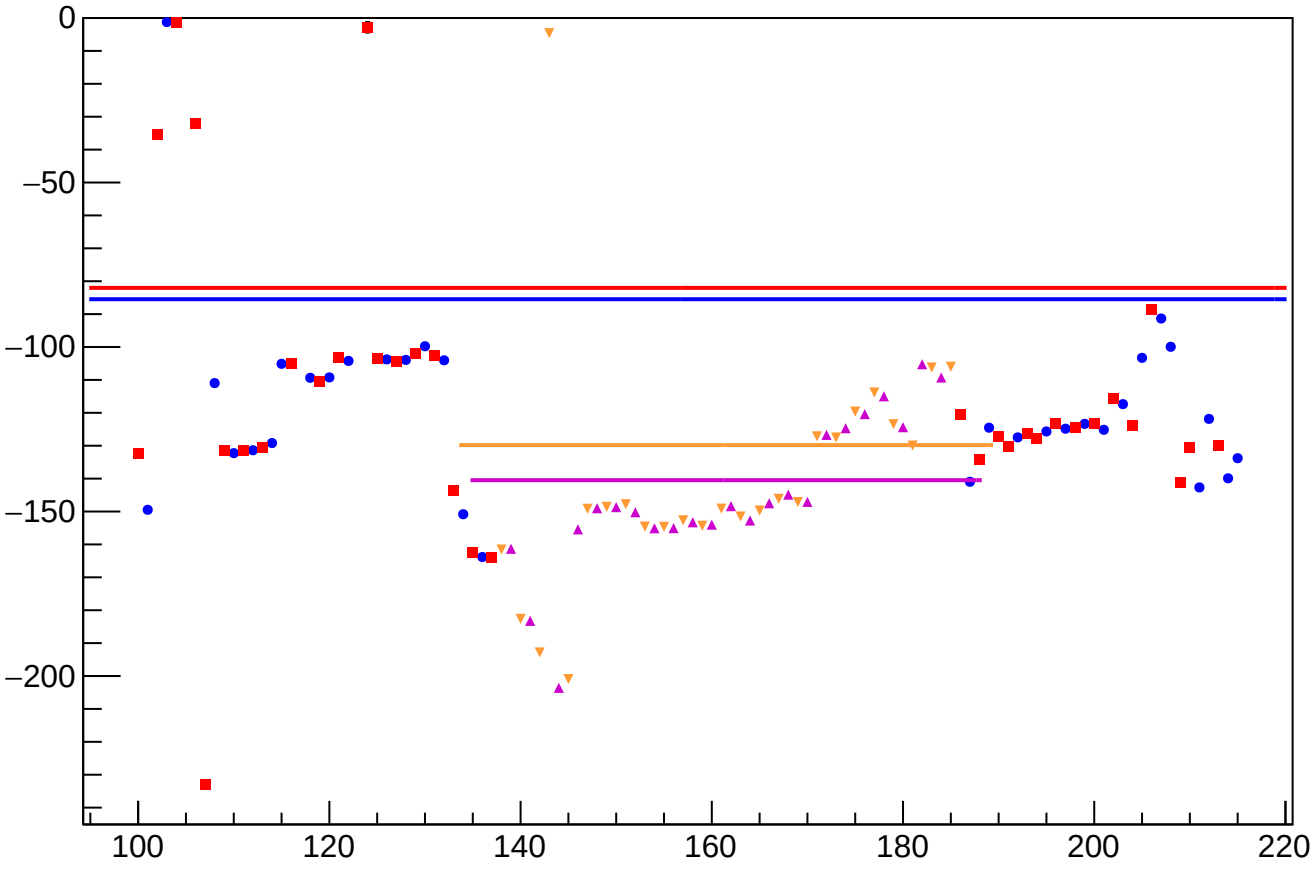
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.616+/-0.752 χ^2/NDF: 650.4/64

In: 45.634+/-0.718 χ^2/NDF:1341.8/53

Out: 41.747+/-0.686 χ^2/NDF:1681.7/58

All: 43.602+/-0.496 χ^2/NDF: 3038.8/112



Right In: -85.472+/-0.050 χ^2/NDF: 1350917.7/30

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -82.013+/-0.049 χ^2/NDF: 1302962.4/33

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

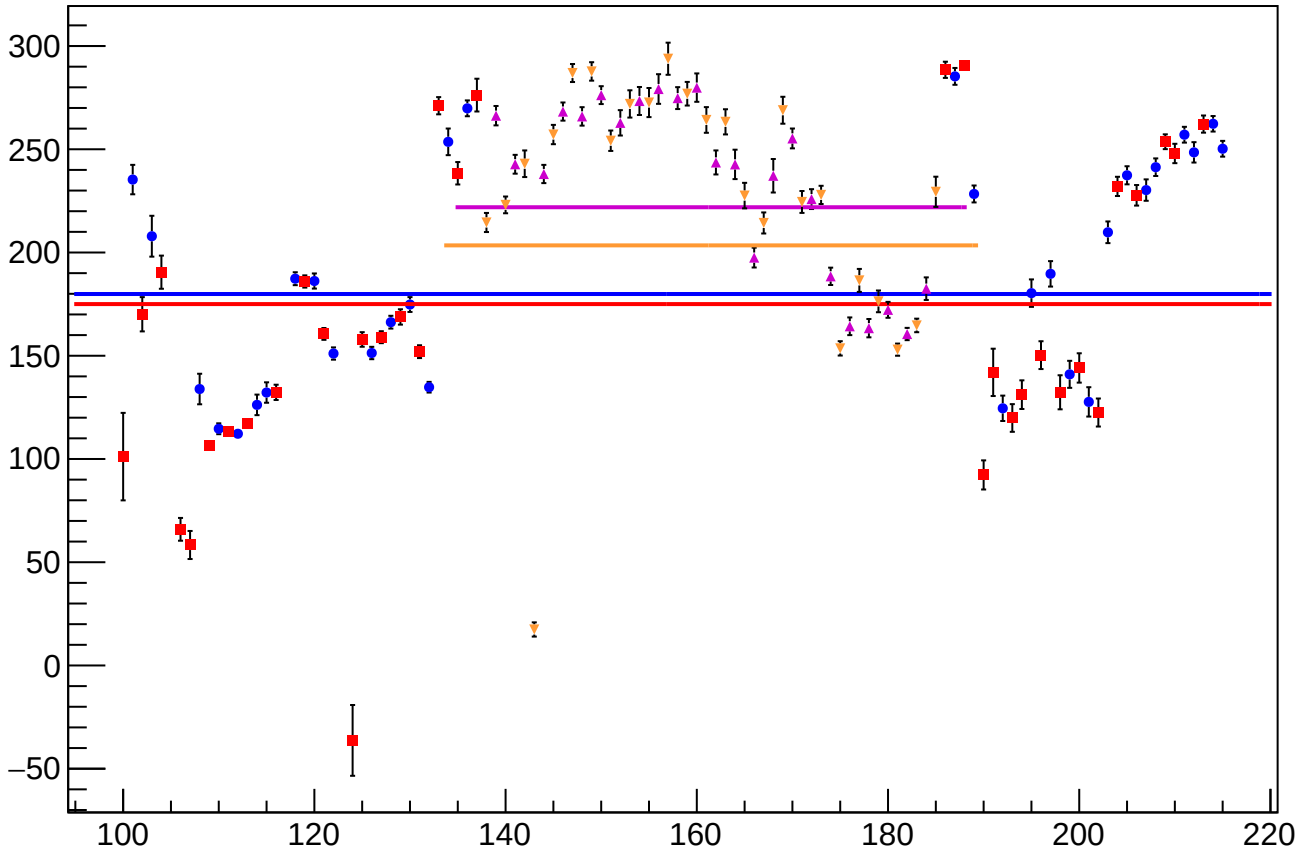
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -83.701+/-0.035 χ^2/NDF: 2656327.7/64

In: -116.691+/-0.033 χ^2/NDF:2291694.9/53

Out: -109.400+/-0.032 χ^2/NDF:2876843.3/58

All: -112.935+/-0.023 χ^2/NDF: 5193843.7/11



Right In: 179.897+/-0.709 χ^2/NDF: 6069.6/30

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 175.020+/-0.681 χ^2/NDF: 9711.8/33

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

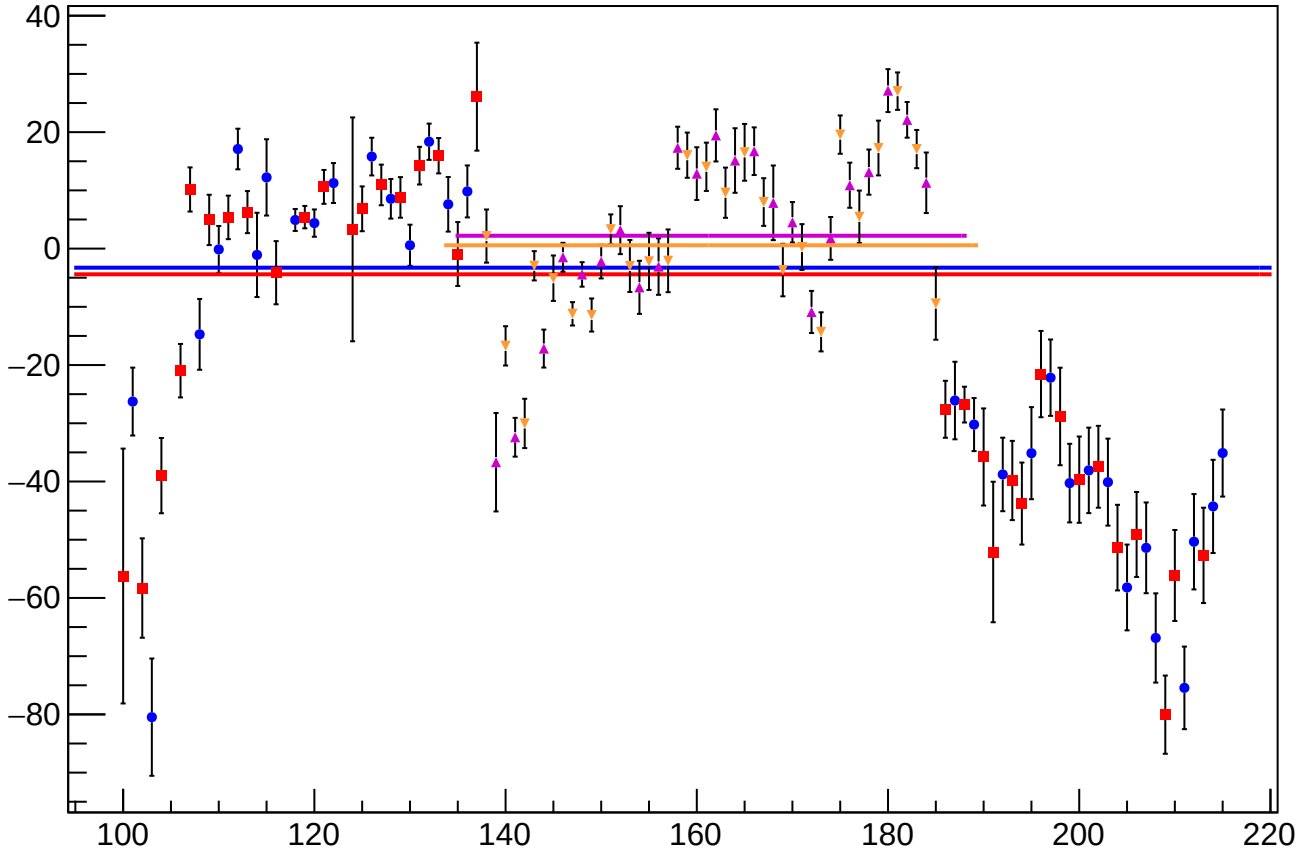
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 177.361+/-0.491 χ^2/NDF: 15806.1/64

In: 193.892+/-0.579 χ^2/NDF:9227.5/53

Out: 184.630+/-0.554 χ^2/NDF:15792.7/58

All: 189.059+/-0.400 χ^2/NDF: 25153.9/112



Right In: -3.279+/-0.797 χ^2/NDF: 799.4/30

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -4.416+/-0.782 χ^2/NDF: 812.4/33

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

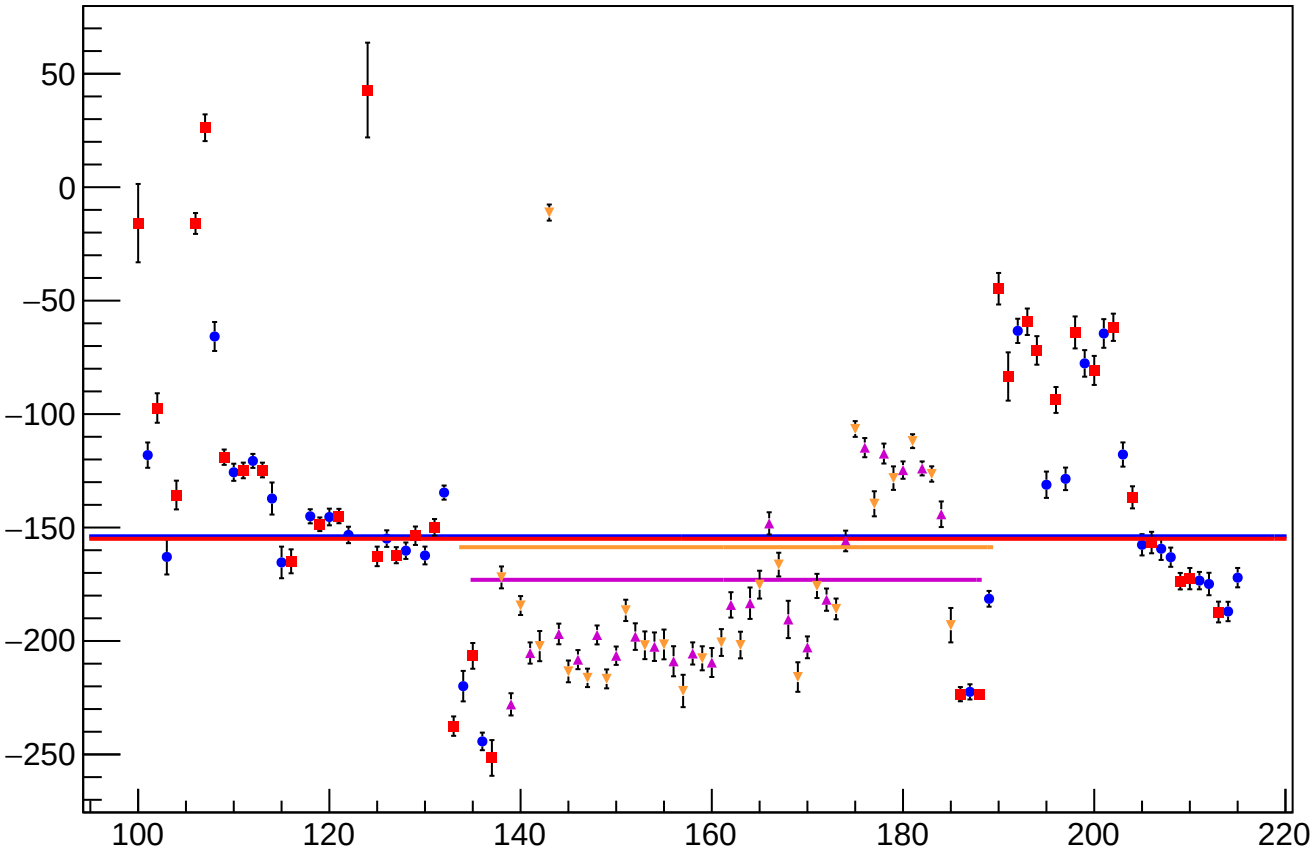
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -3.858+/-0.558 χ^2/NDF: 1612.8/64

In: -0.406+/-0.550 χ^2/NDF:1182.4/53

Out: -1.704+/-0.528 χ^2/NDF:1179.9/58

All: -1.082+/-0.381 χ^2/NDF: 2365.2/112



Right In: -153.856+/-0.772 χ^2/NDF: 2467.9/30

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -154.961+/-0.729 χ^2/NDF: 6513.2/33

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

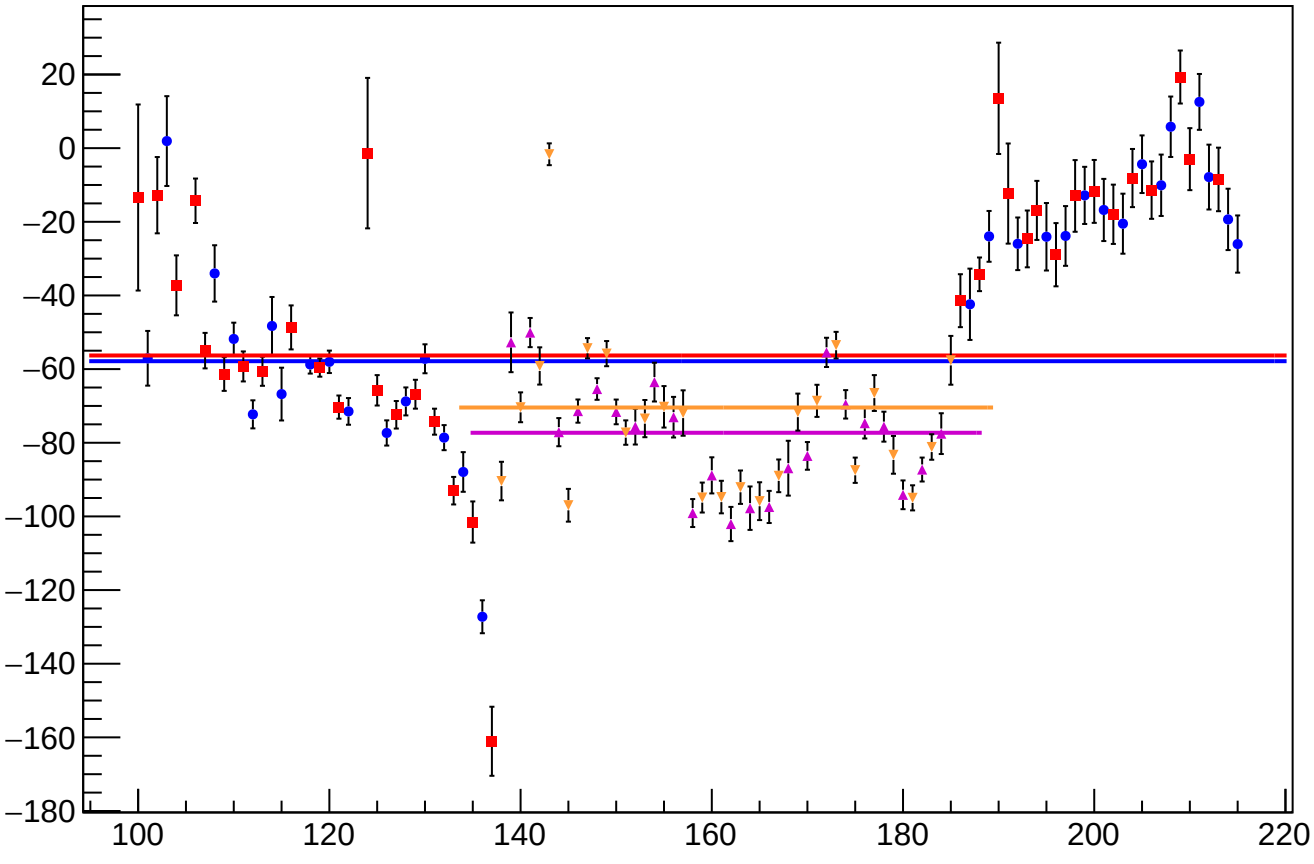
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -154.440+/-0.530 χ^2/NDF: 8982.2/64

In: -161.060+/-0.610 χ^2/NDF:4099.8/53

Out: -156.331+/-0.579 χ^2/NDF:10014.5/58

All: -158.570+/-0.420 χ^2/NDF: 14146.0/112



Right In: -57.848+/-0.925 χ^2/NDF: 869.6/30

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -56.300+/-0.914 χ^2/NDF: 883.3/33

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

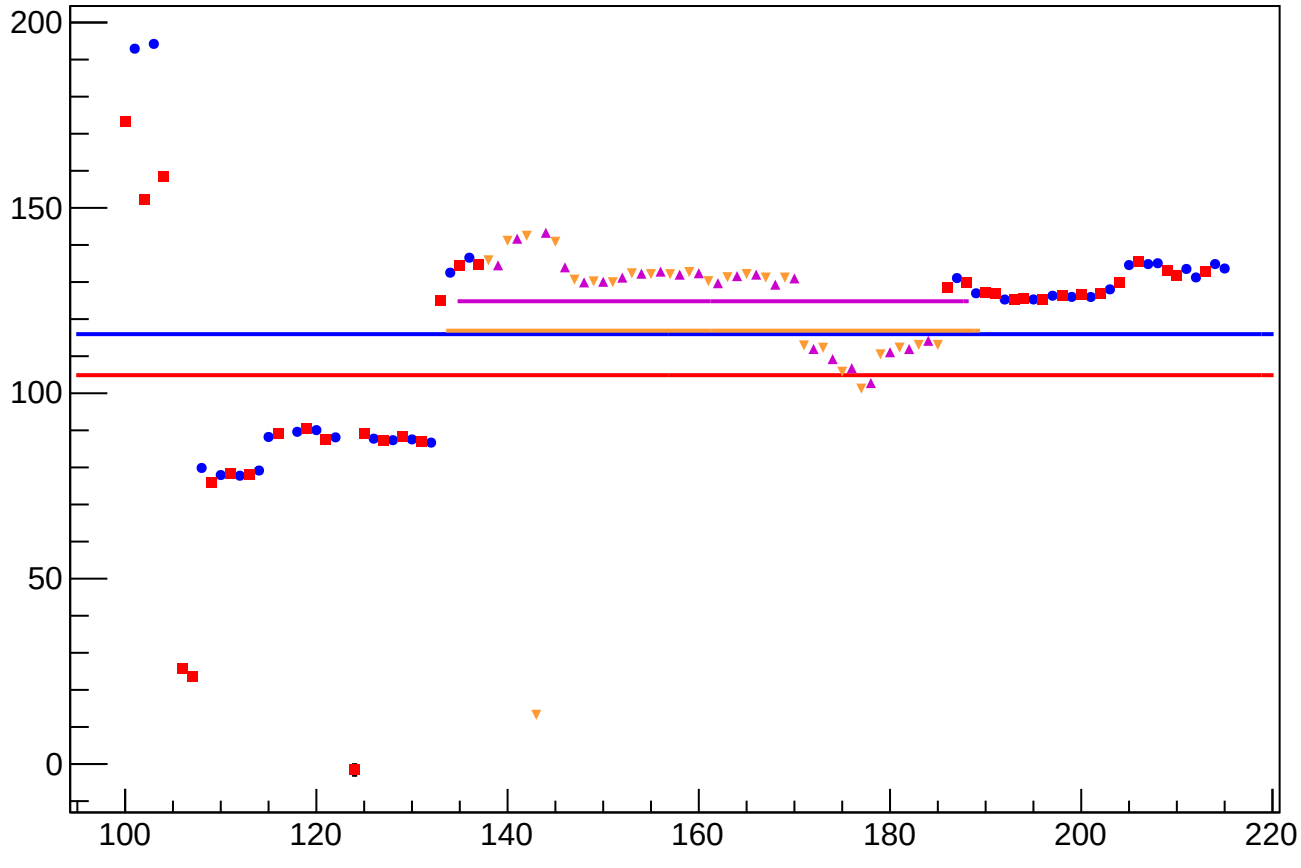
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -57.065+/-0.650 χ^2/NDF: 1754.3/64

In: -68.215+/-0.632 χ^2/NDF:1359.2/53

Out: -64.120+/-0.611 χ^2/NDF:1917.1/58

All: -66.098+/-0.439 χ^2/NDF: 3297.9/112



Right In: 115.946+/-0.053 χ^2/NDF: 289428.0/30

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 104.876+/-0.050 χ^2/NDF: 537695.7/33

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

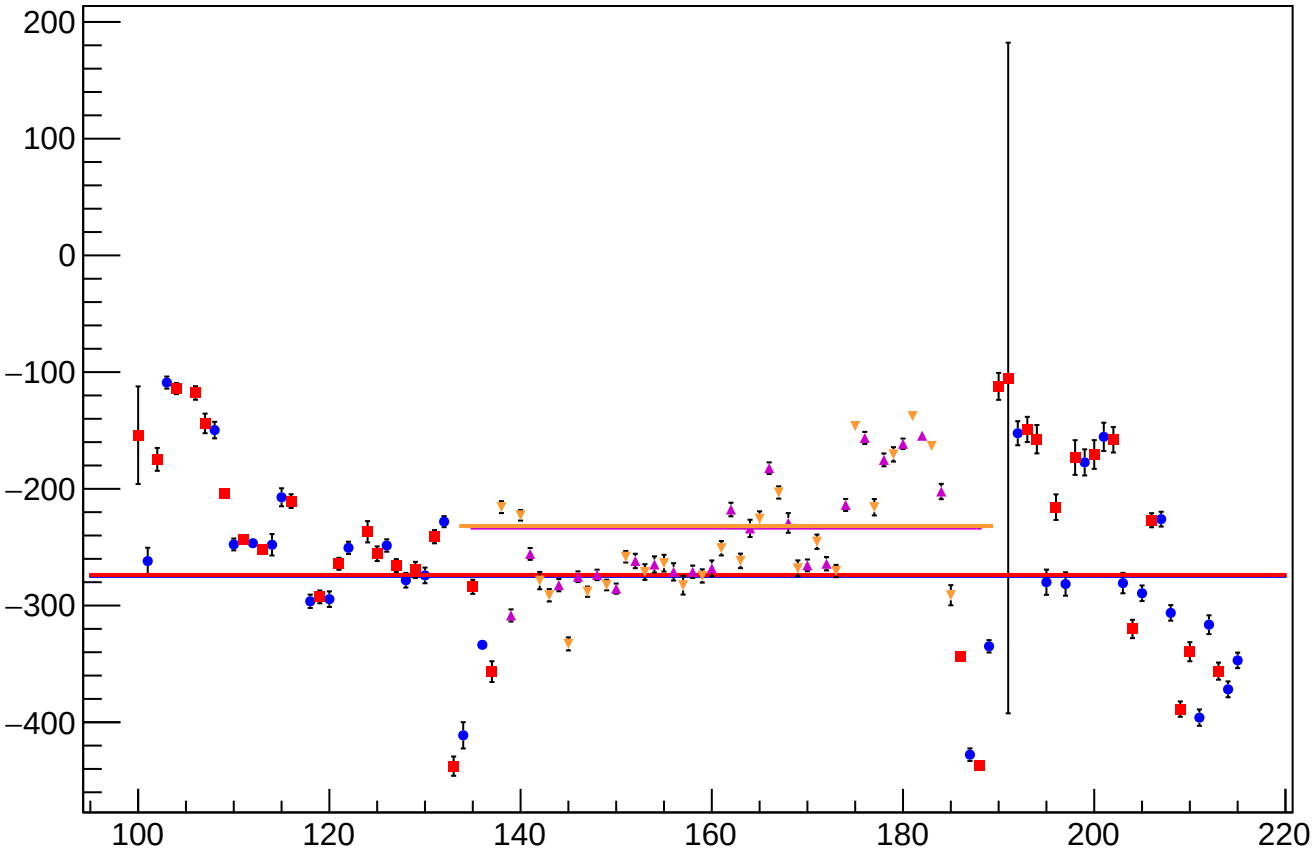
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 110.090+/-0.036 χ^2/NDF: 850439.2/64

In: 121.647+/-0.032 χ^2/NDF:395739.1/53

Out: 112.444+/-0.030 χ^2/NDF:1197503.9/58

All: 116.855+/-0.022 χ^2/NDF: 1637617.2/112



Right In: -274.600+/-1.148 χ^2/NDF: 3986.3/30

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -273.776+/-1.057 χ^2/NDF: 8037.2/33

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

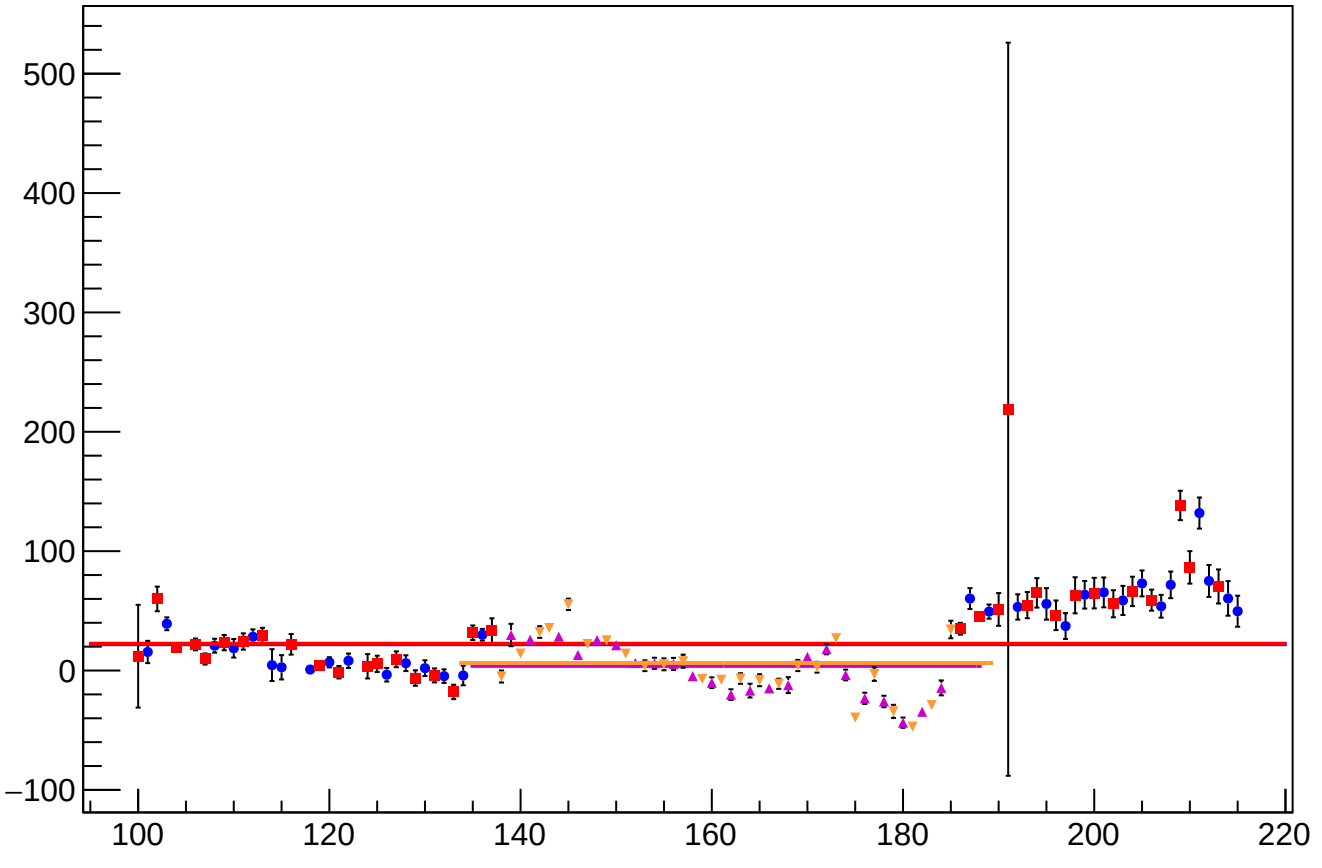
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -274.154+/-0.778 χ^2/NDF: 12023.8/64

In: -253.181+/-0.797 χ^2/NDF:6724.7/53

Out: -253.261+/-0.756 χ^2/NDF:11483.3/58

All: -253.223+/-0.548 χ^2/NDF: 18208.0/112



Right In: 22.050+/-1.294 χ^2/NDF: 384.8/30

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.439+/-1.179 χ^2/NDF: 419.2/33

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

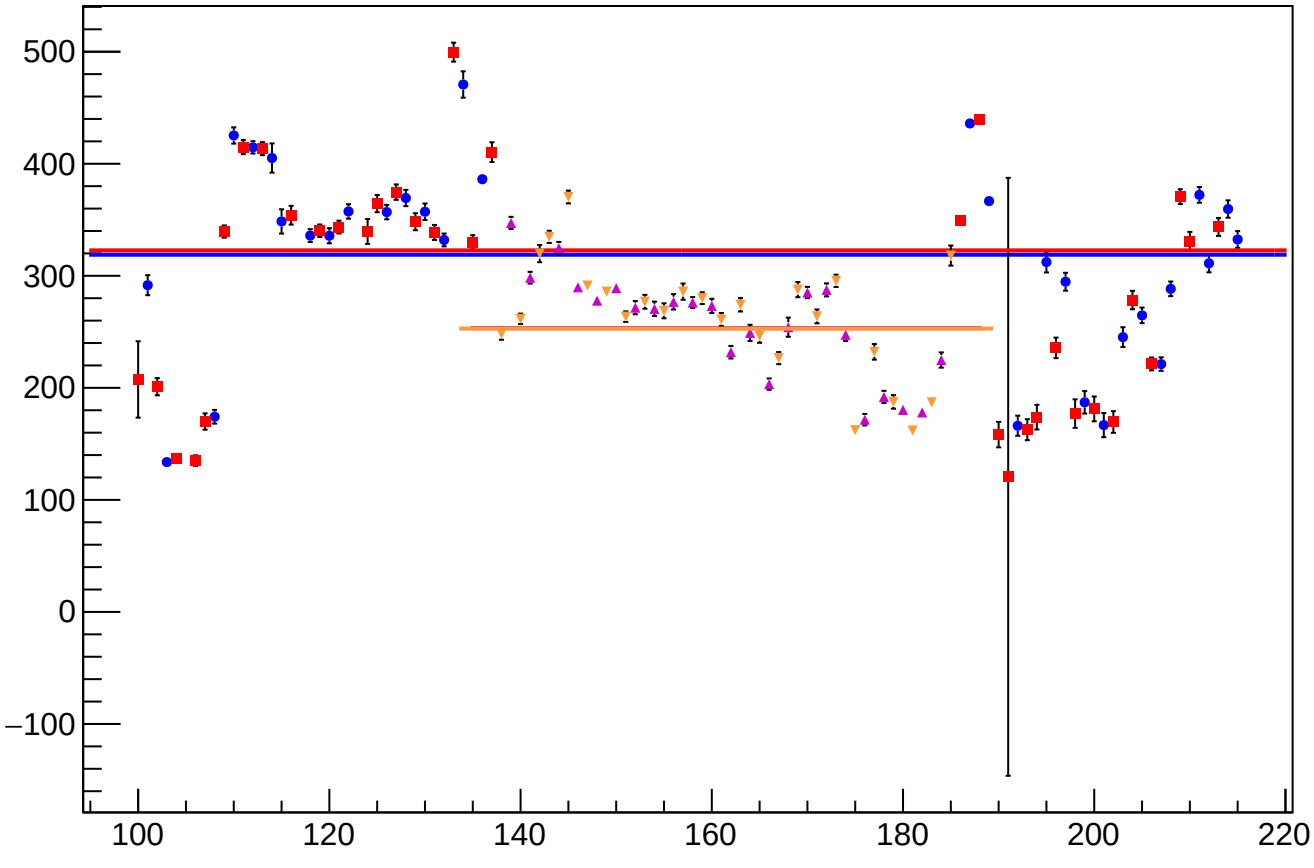
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 22.262+/-0.872 χ^2/NDF: 804.1/64

In: 9.087+/-0.692 χ^2/NDF:1175.6/53

Out: 11.285+/-0.656 χ^2/NDF:1420.3/58

All: 10.244+/-0.476 χ^2/NDF: 2601.2/112



Right In: 318.815+/-1.185 χ^2/NDF: 5777.7/30

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 322.722+/-1.054 χ^2/NDF: 10153.5/33

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

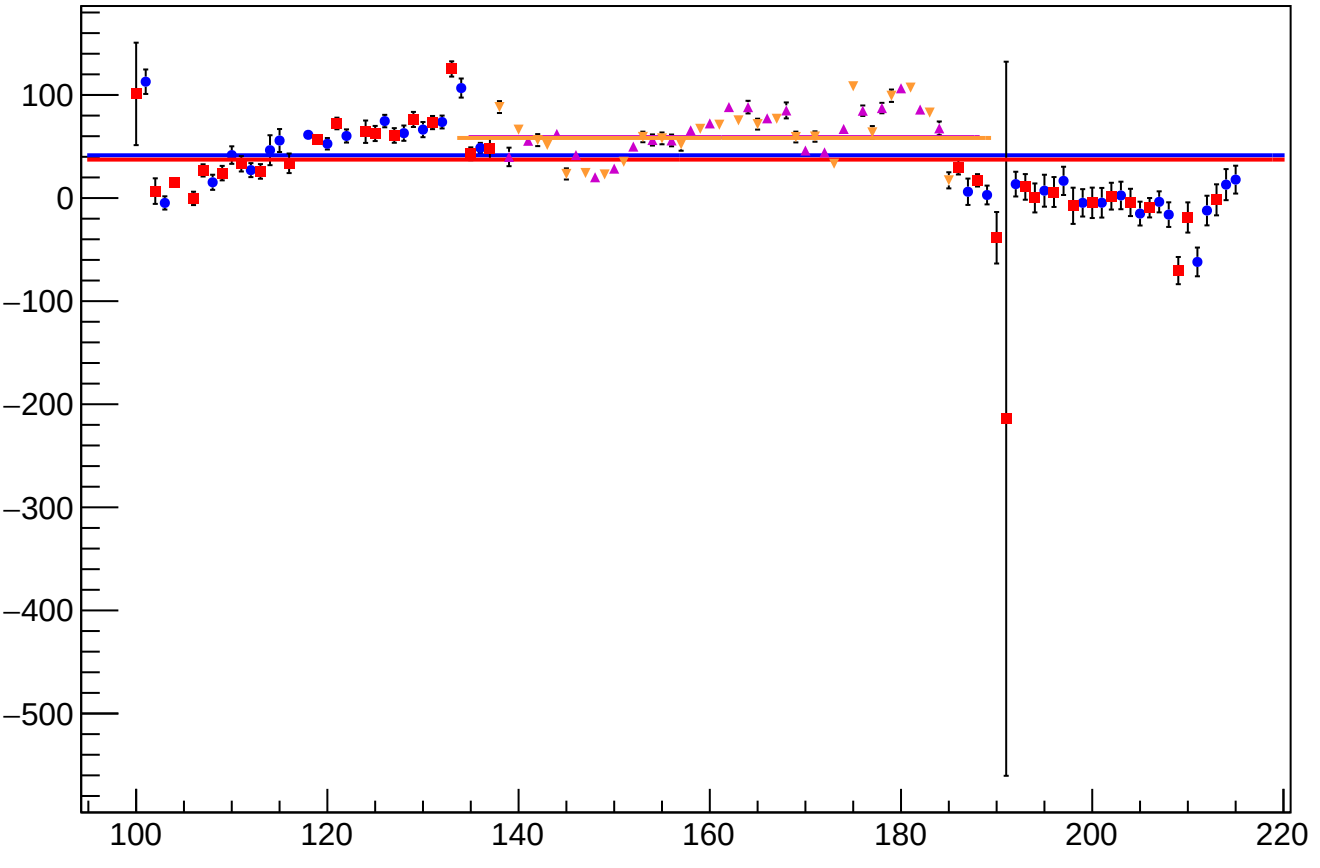
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 320.997+/-0.788 χ^2/NDF: 15937.2/64

In: 283.391+/-0.804 χ^2/NDF:9490.5/53

Out: 288.350+/-0.751 χ^2/NDF:14893.9/58

All: 286.038+/-0.549 χ^2/NDF: 24404.7/112



Right In: 41.494+/-1.506 χ^2/NDF: 479.4/30

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.301+/-1.409 χ^2/NDF: 542.7/33

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

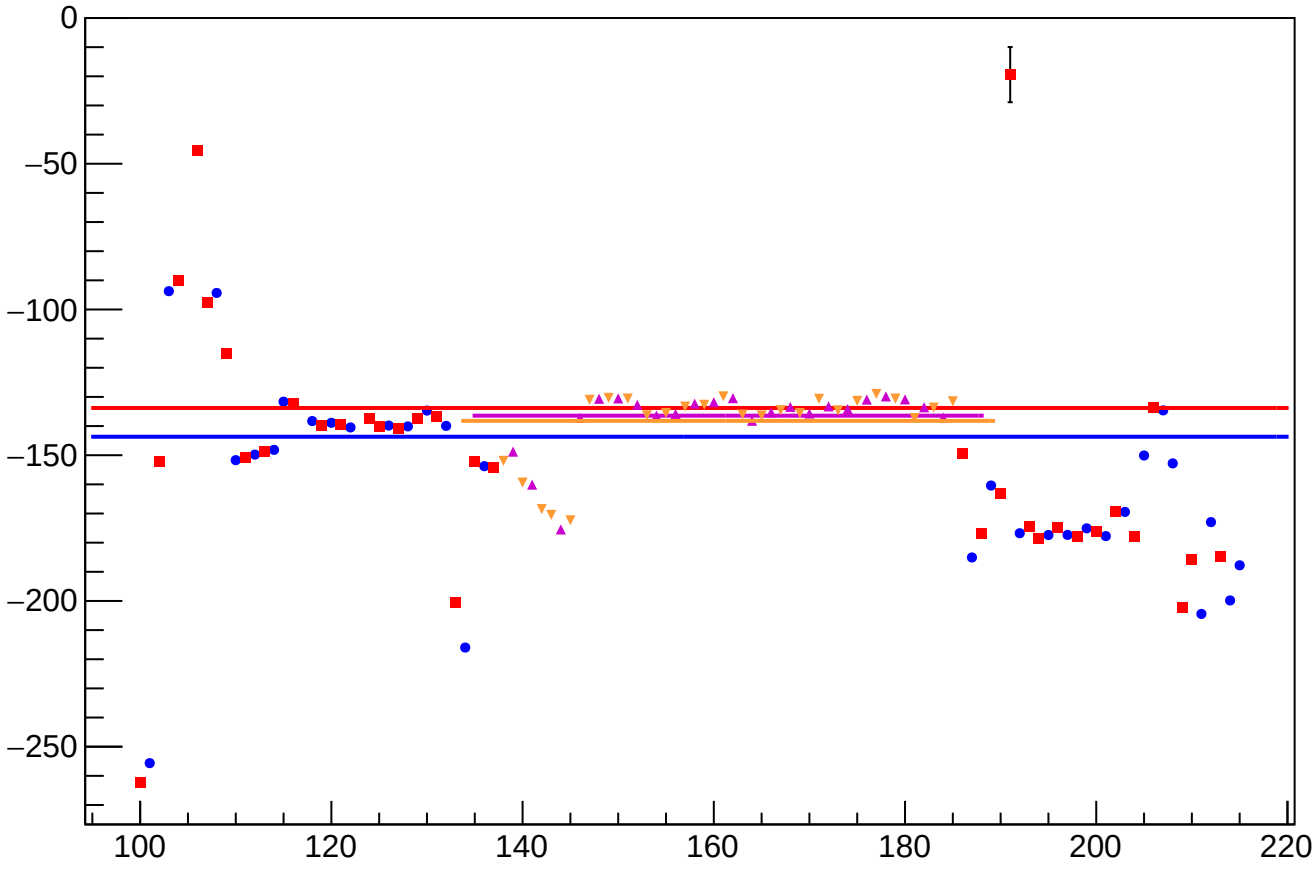
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 39.258+/-1.029 χ^2/NDF: 1026.2/64

In: 54.211+/-0.796 χ^2/NDF:1210.8/53

Out: 52.107+/-0.765 χ^2/NDF:1549.6/58

All: 53.117+/-0.552 χ^2/NDF: 2764.1/112



Right In: -143.659+/-0.074 χ^2/NDF: 255469.5/30

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -133.783+/-0.070 χ^2/NDF: 356566.0/33

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

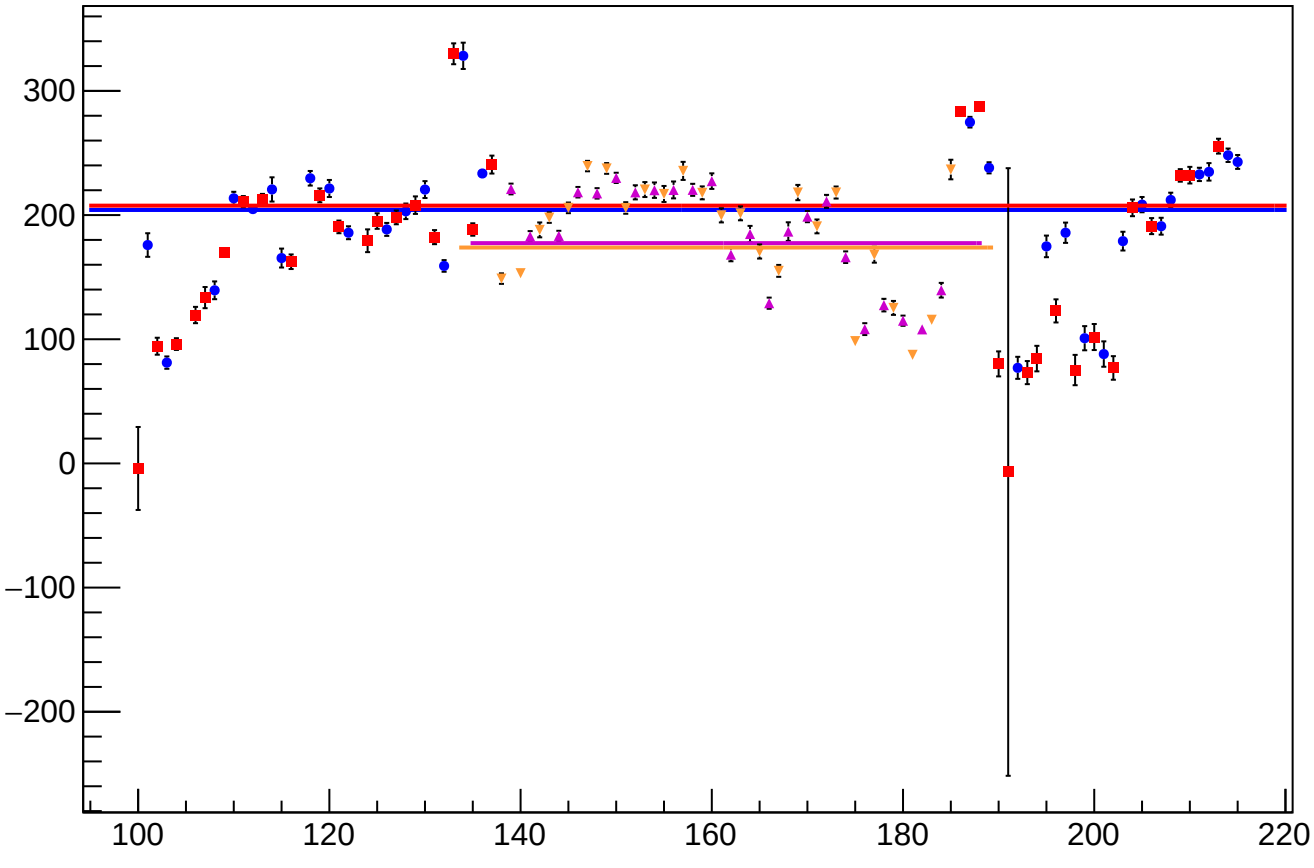
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -138.484+/-0.051 χ^2/NDF: 621439.8/64

In: -138.256+/-0.037 χ^2/NDF:312451.6/53

Out: -137.030+/-0.036 χ^2/NDF:441310.8/58

All: -137.631+/-0.026 χ^2/NDF: 754319.8/112



Right In: 204.109+/-1.062 χ^2/NDF: 2055.2/30

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 207.591+/-0.981 χ^2/NDF: 4307.1/33

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

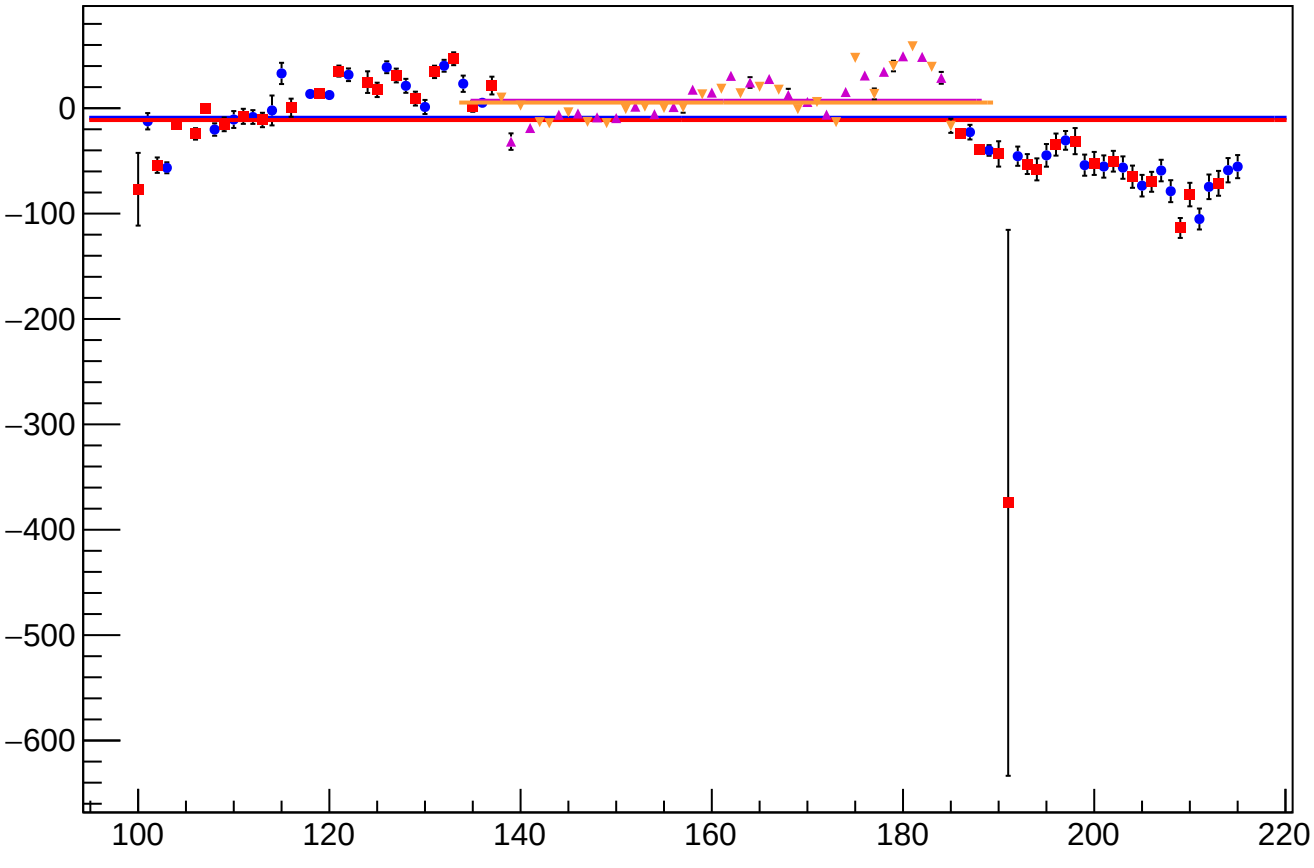
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 205.988+/-0.721 χ^2/NDF: 6368.0/64

In: 189.890+/-0.726 χ^2/NDF:4354.6/53

Out: 190.397+/-0.687 χ^2/NDF:7537.2/58

All: 190.157+/-0.499 χ^2/NDF: 11892.0/112



Right In: -9.068+/-1.228 χ^2/NDF: 821.2/30

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -11.242+/-1.119 χ^2/NDF: 851.0/33

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

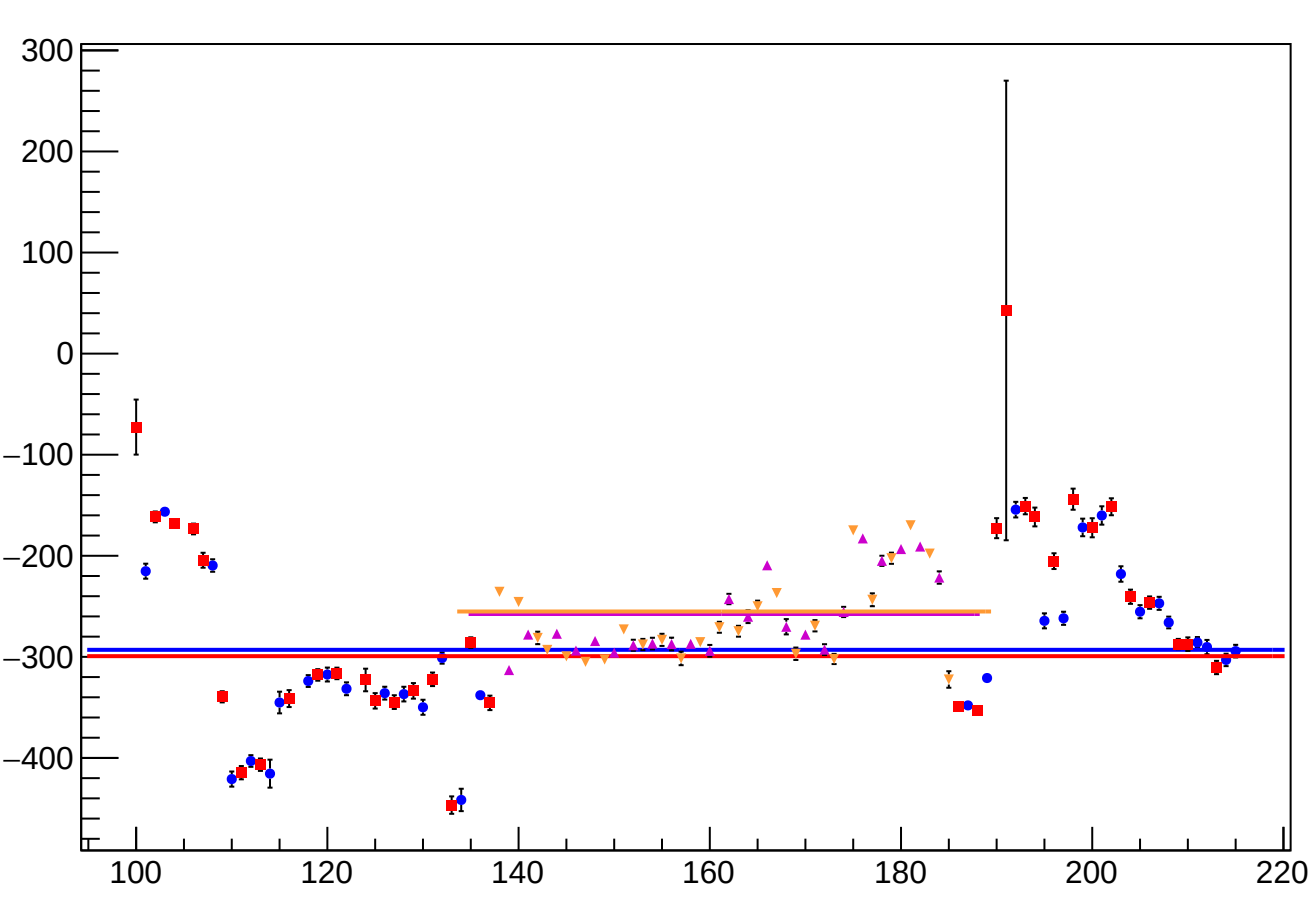
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -10.256+/-0.827 χ^2/NDF: 1673.9/64

In: 2.753+/-0.635 χ^2/NDF:1657.2/53

Out: 0.590+/-0.600 χ^2/NDF:1818.0/58

All: 1.610+/-0.436 χ^2/NDF: 3481.4/112



Right In: -293.036+/-1.075 χ^2/NDF: 4106.1/30

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.309+/-0.953 χ^2/NDF: 6714.5/33

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

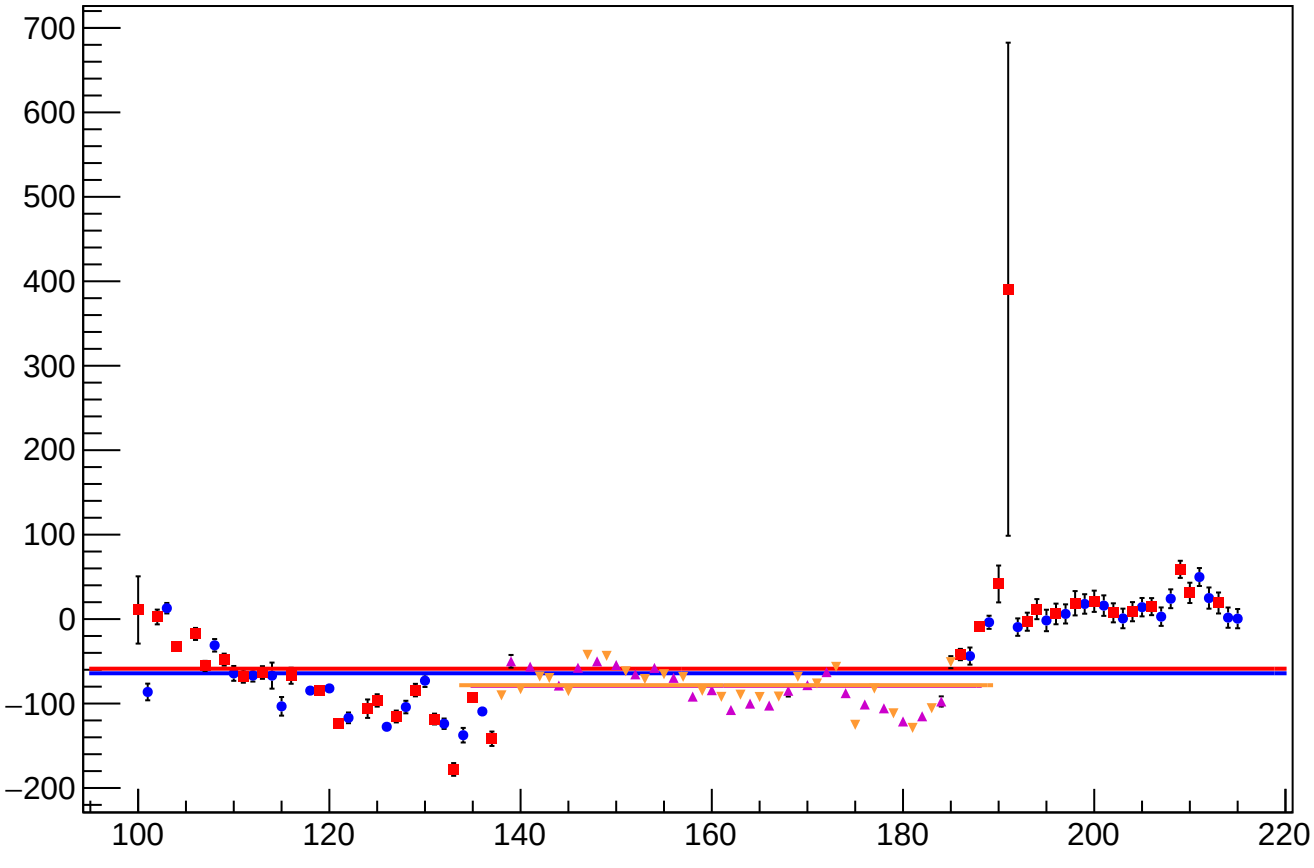
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -296.550+/-0.713 χ^2/NDF: 10839.6/64

In: -273.765+/-0.726 χ^2/NDF:6504.7/53

Out: -277.298+/-0.675 χ^2/NDF:10130.8/58

All: -275.661+/-0.494 χ^2/NDF: 16648.2/112



Right In: -64.164+/-1.427 χ^2/NDF: 1381.5/30

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -58.739+/-1.341 χ^2/NDF: 1528.2/33

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

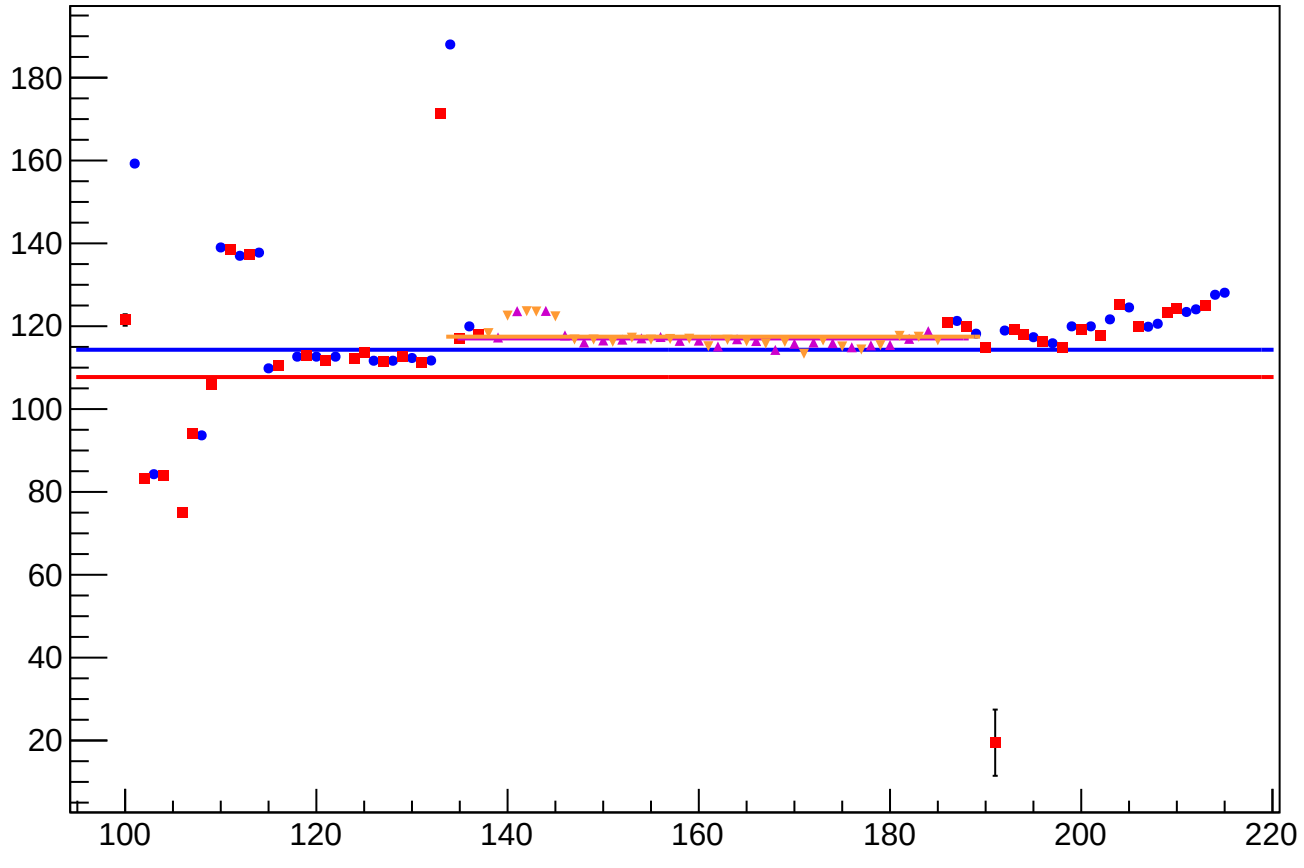
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -61.284+/-0.977 χ^2/NDF: 2917.4/64

In: -75.171+/-0.730 χ^2/NDF:2164.7/53

Out: -72.985+/-0.699 χ^2/NDF:2551.2/58

All: -74.031+/-0.505 χ^2/NDF: 4720.6/112



Right In: 114.320+/-0.068 χ^2/NDF: 89061.2/30

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.730+/-0.064 χ^2/NDF: 81893.1/33

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

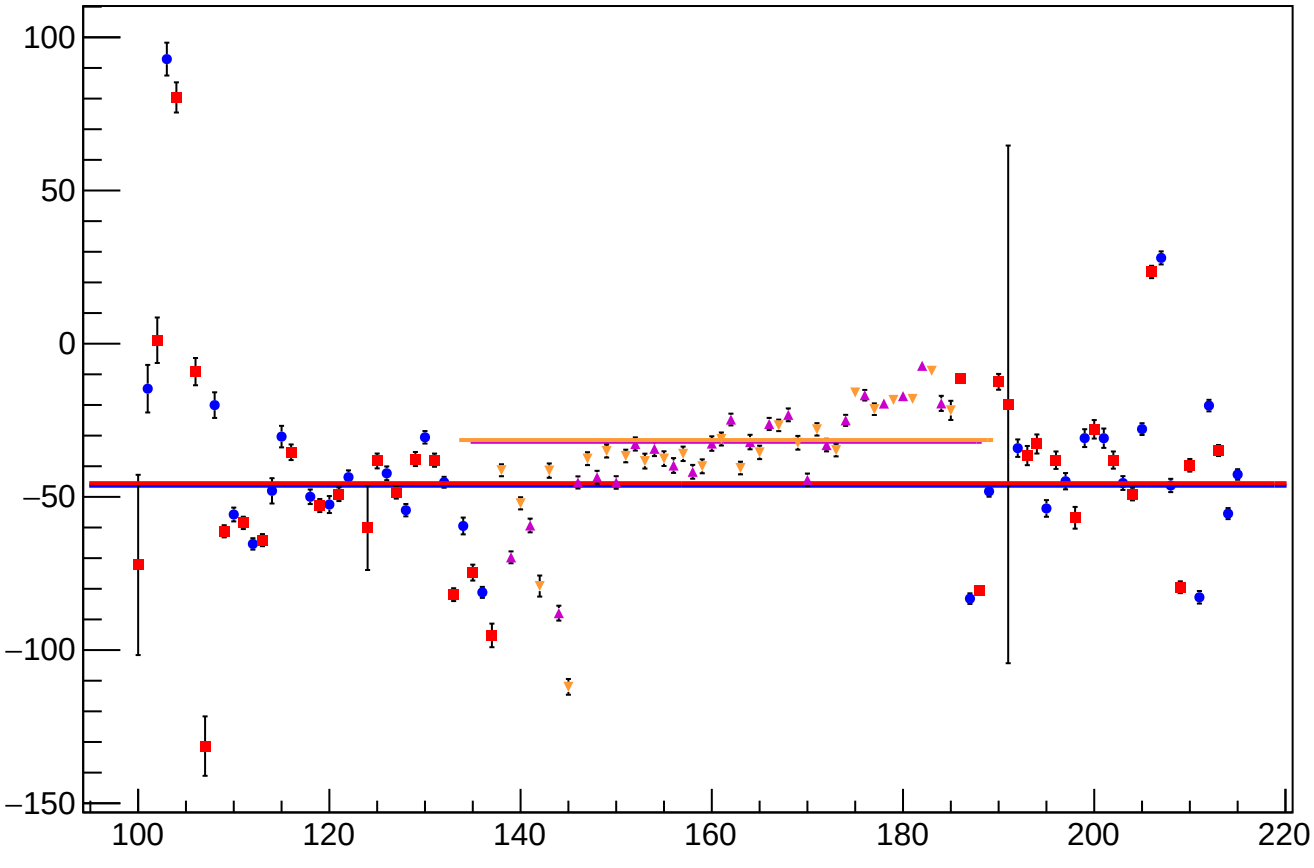
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 110.858+/-0.047 χ^2/NDF: 175919.7/64

In: 116.378+/-0.034 χ^2/NDF:93626.1/53

Out: 114.960+/-0.033 χ^2/NDF:103612.2/58

All: 115.652+/-0.023 χ^2/NDF: 198153.5/112



Right In: -46.356+/-0.407 χ^2/NDF: 3742.8/30

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -45.519+/-0.386 χ^2/NDF: 5742.5/33

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

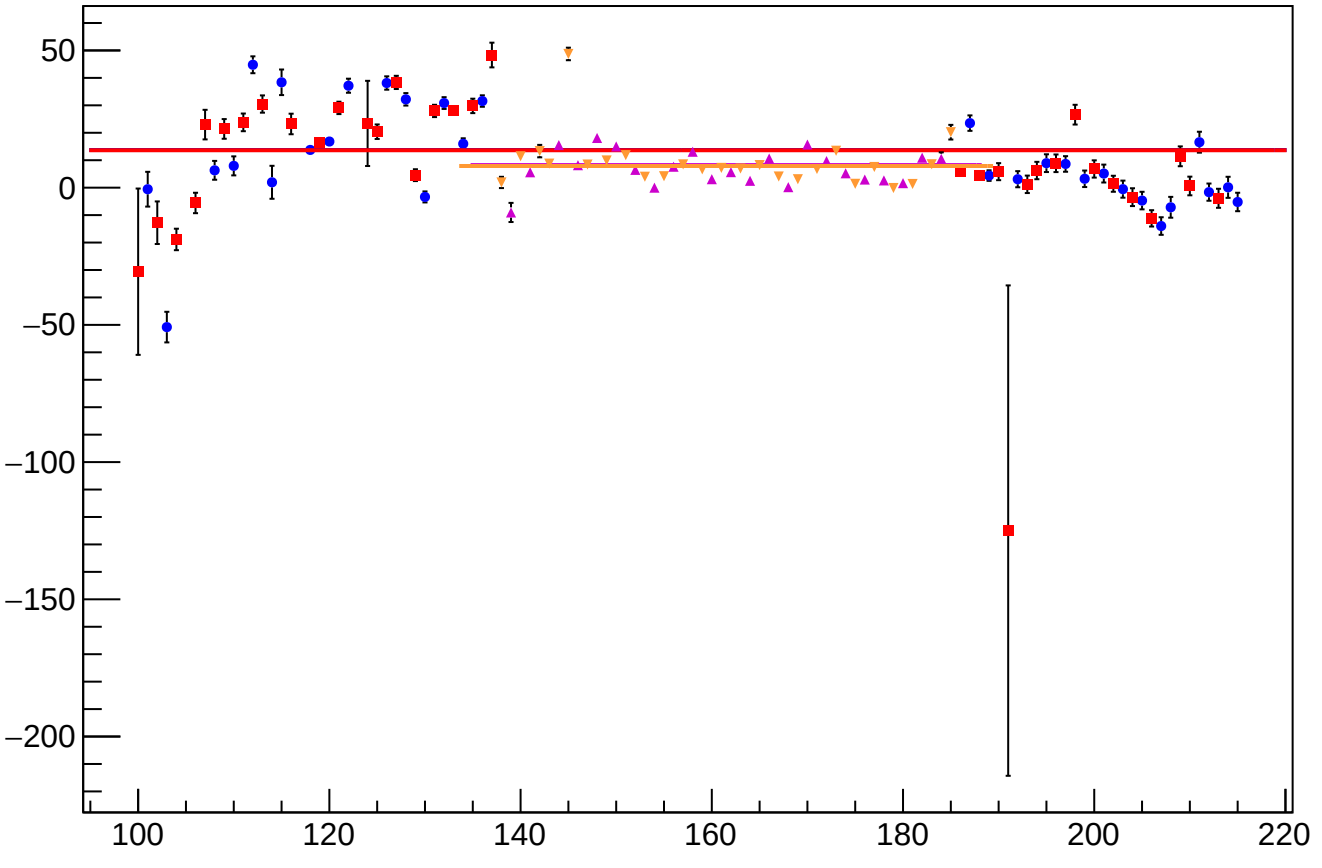
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -45.915+/-0.280 χ^2/NDF: 9487.5/64

In: -39.221+/-0.289 χ^2/NDF:6273.7/53

Out: -38.718+/-0.277 χ^2/NDF:8377.1/58

All: -38.960+/-0.200 χ^2/NDF: 14652.4/112



Right In: 13.718+/-0.482 χ^2/NDF: 1045.3/30

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.640+/-0.454 χ^2/NDF: 855.0/33

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

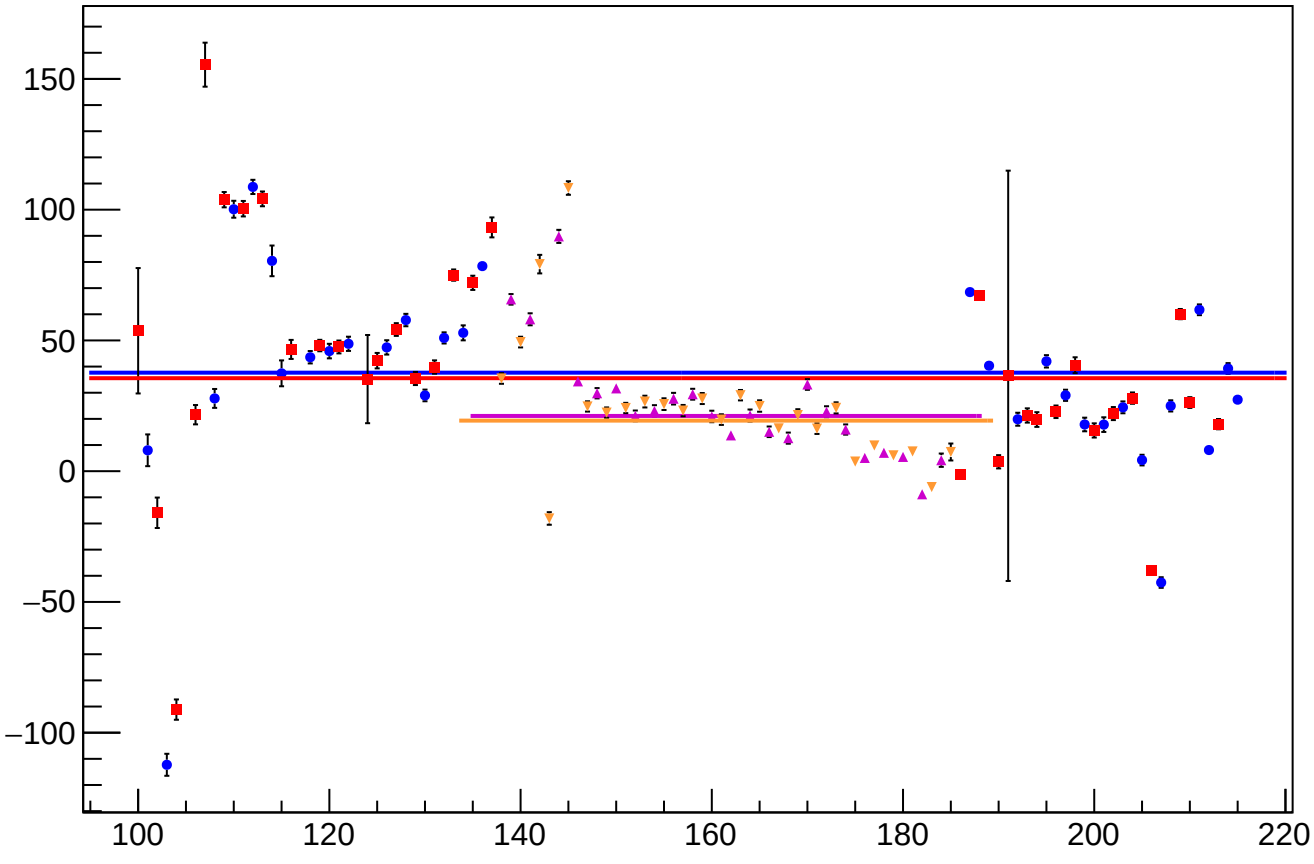
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 13.677+/-0.330 χ^2/NDF: 1900.3/64

In: 9.871+/-0.264 χ^2/NDF:1475.0/53

Out: 9.674+/-0.253 χ^2/NDF:1456.1/58

All: 9.768+/-0.182 χ^2/NDF: 2931.4/112



Right In: 37.671+/-0.416 χ^2/NDF: 6086.8/30

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.559+/-0.373 χ^2/NDF: 9366.3/33

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

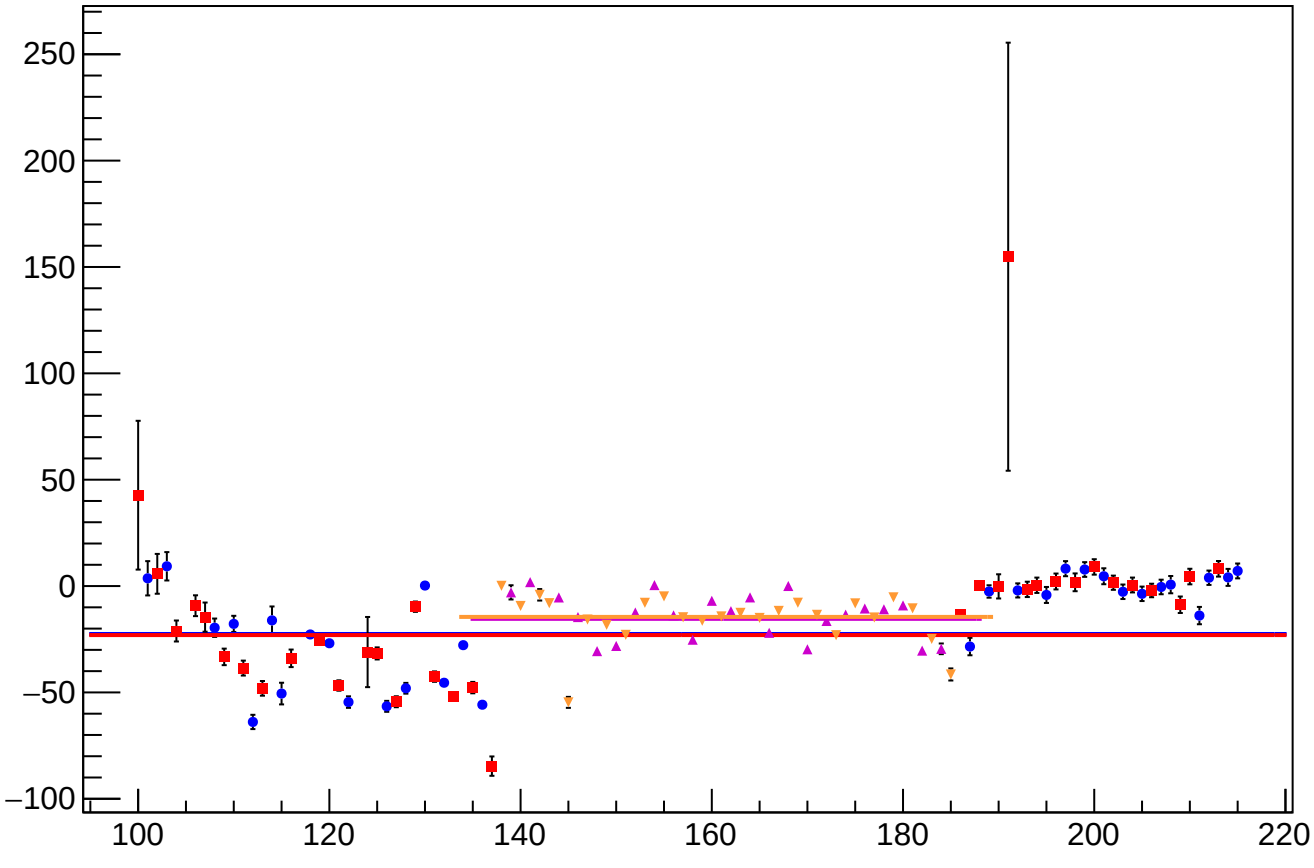
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.499+/-0.278 χ^2/NDF: 15467.4/64

In: 29.169+/-0.290 χ^2/NDF:9404.1/53

Out: 27.930+/-0.271 χ^2/NDF:12939.2/58

All: 28.508+/-0.198 χ^2/NDF: 22353.0/112



Right In: -22.535+/-0.557 χ^2/NDF: 1732.4/30

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -23.044+/-0.546 χ^2/NDF: 1656.7/33

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

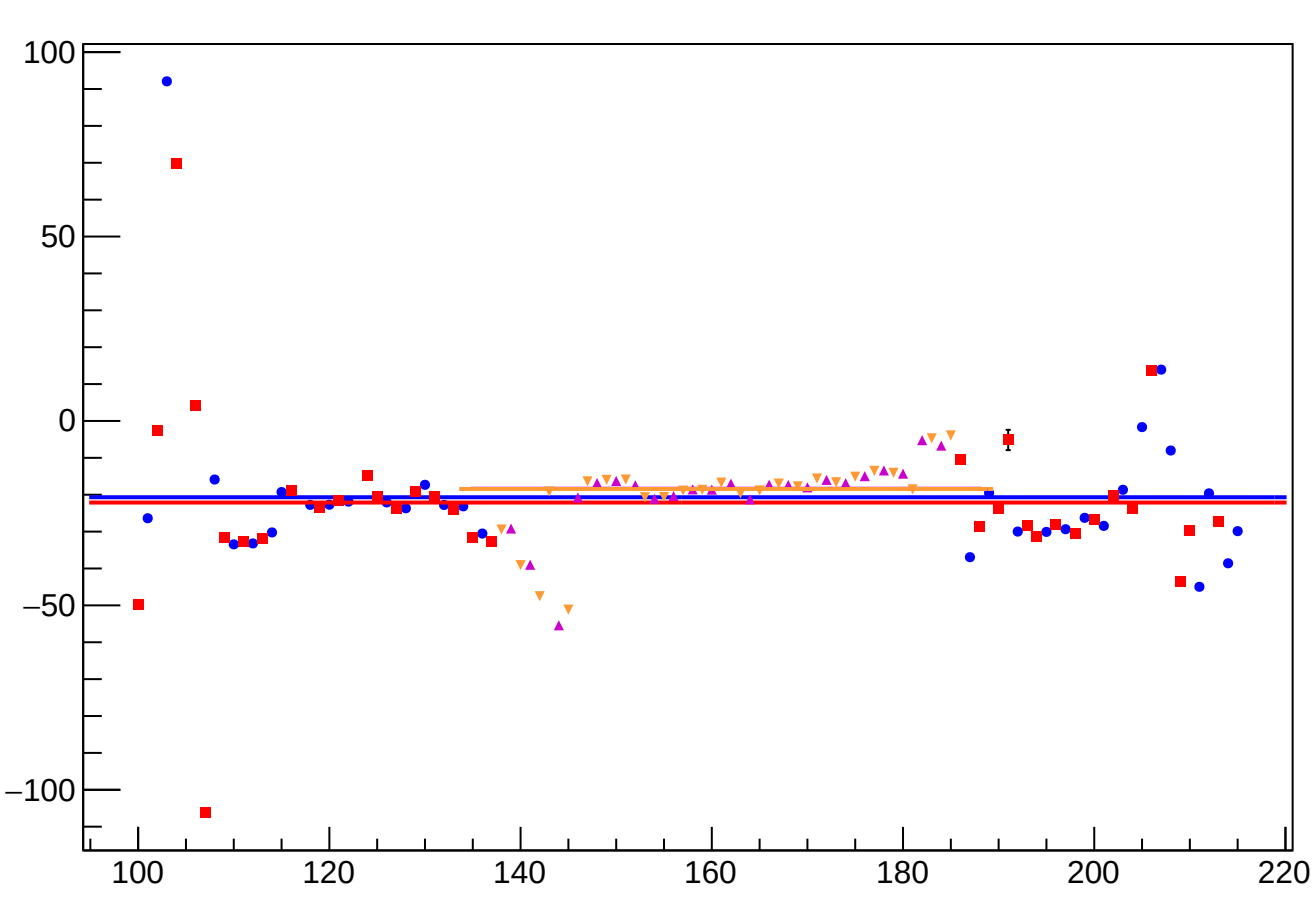
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -22.794+/-0.390 χ^2/NDF: 3389.5/64

In: -17.476+/-0.300 χ^2/NDF:2647.2/53

Out: -16.928+/-0.291 χ^2/NDF:2472.9/58

All: -17.194+/-0.209 χ^2/NDF: 5121.8/112



Right In: -20.685+/-0.027 χ^2/NDF: 581935.0/30

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.123+/-0.027 χ^2/NDF: 483954.1/33

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

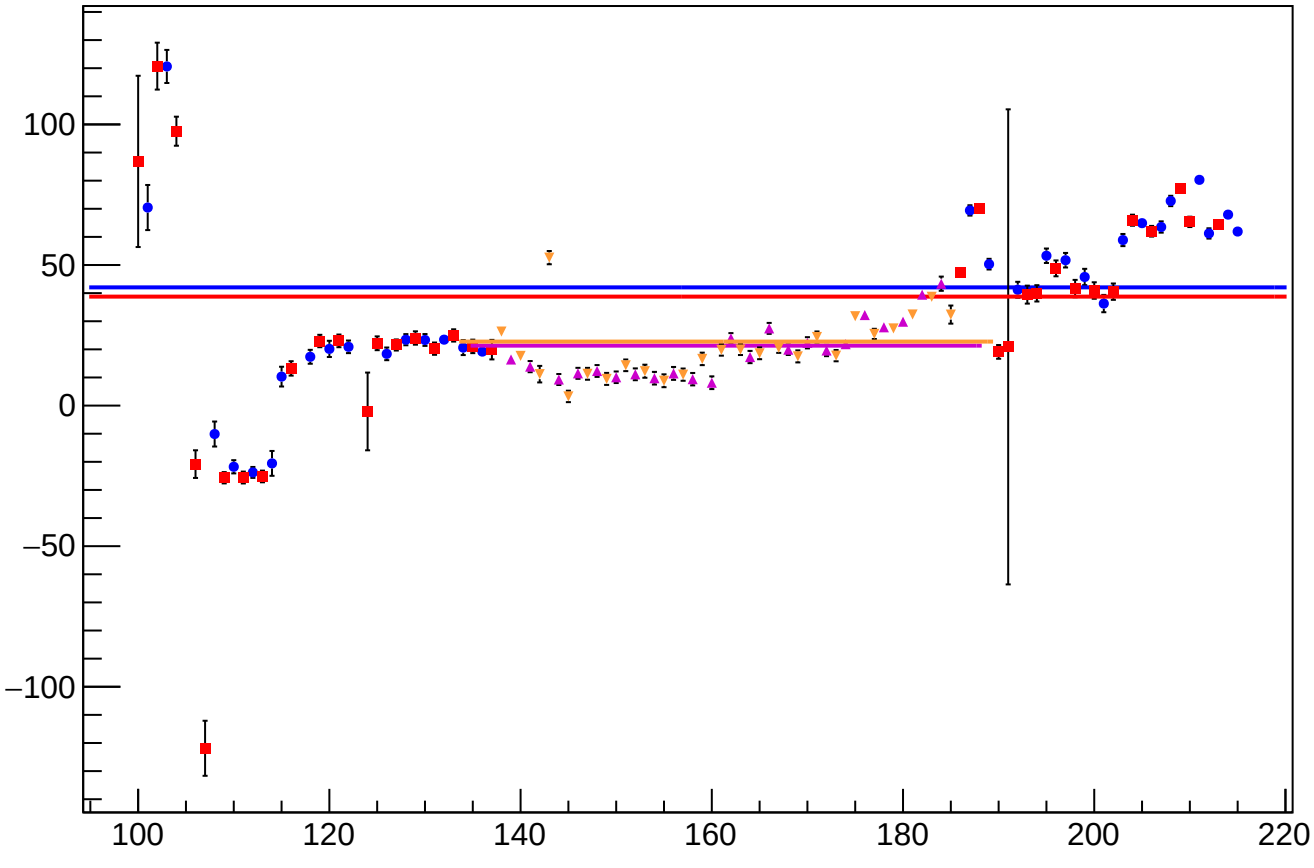
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.405+/-0.019 χ^2/NDF: 1067304.0/64

In: -18.963+/-0.014 χ^2/NDF:837412.5/53

Out: -19.358+/-0.013 χ^2/NDF:793229.3/58

All: -19.163+/-0.010 χ^2/NDF: 1631068.2/112



Right In: 42.048+/-0.395 χ^2/NDF: 5326.6/30

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 38.759+/-0.390 χ^2/NDF: 6456.4/33

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

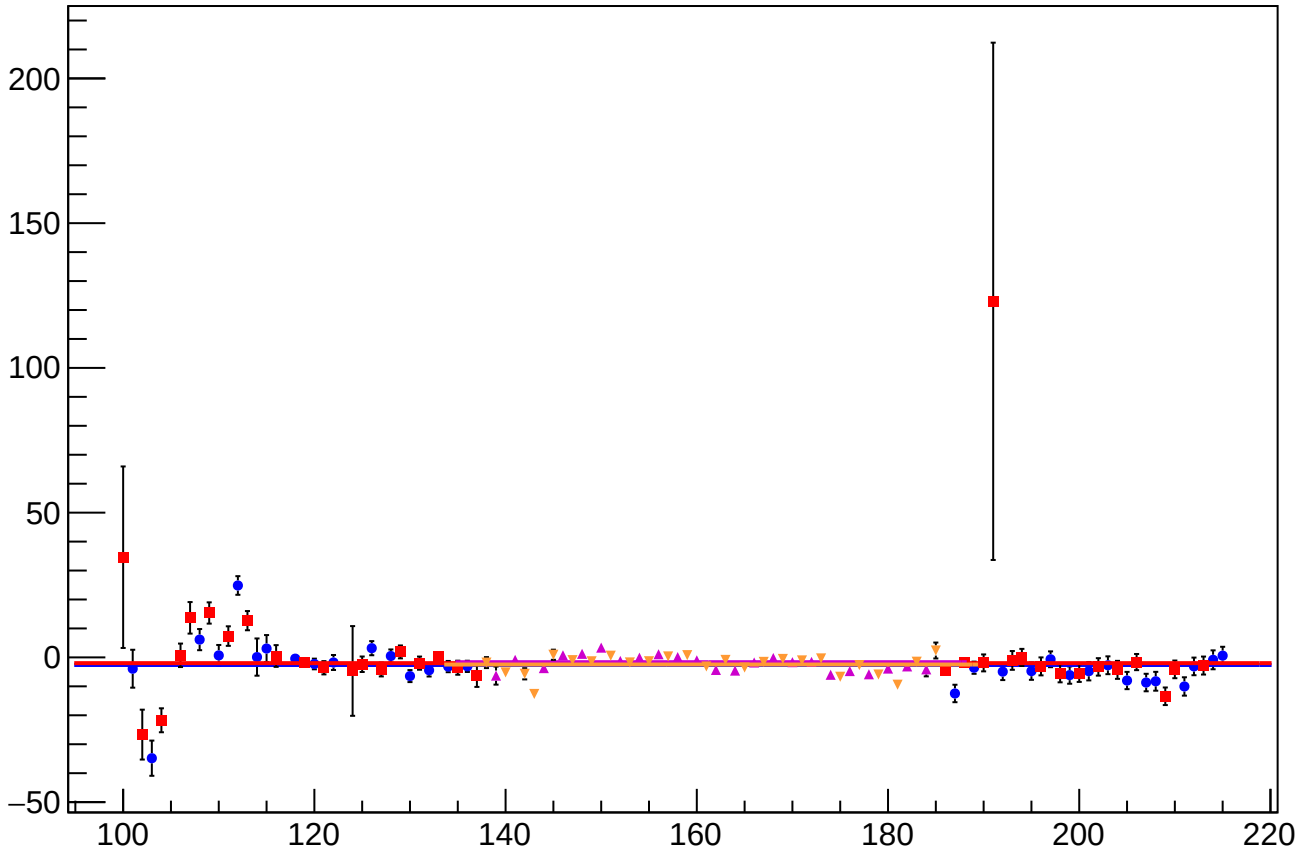
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 40.383+/-0.278 χ^2/NDF: 11818.2/64

In: 31.629+/-0.279 χ^2/NDF:7340.6/53

Out: 30.610+/-0.273 χ^2/NDF:8036.1/58

All: 31.109+/-0.195 χ^2/NDF: 15383.6/112



Right In: -2.618+/-0.480 χ^2/NDF: 154.8/30

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.988+/-0.465 χ^2/NDF: 121.7/33

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

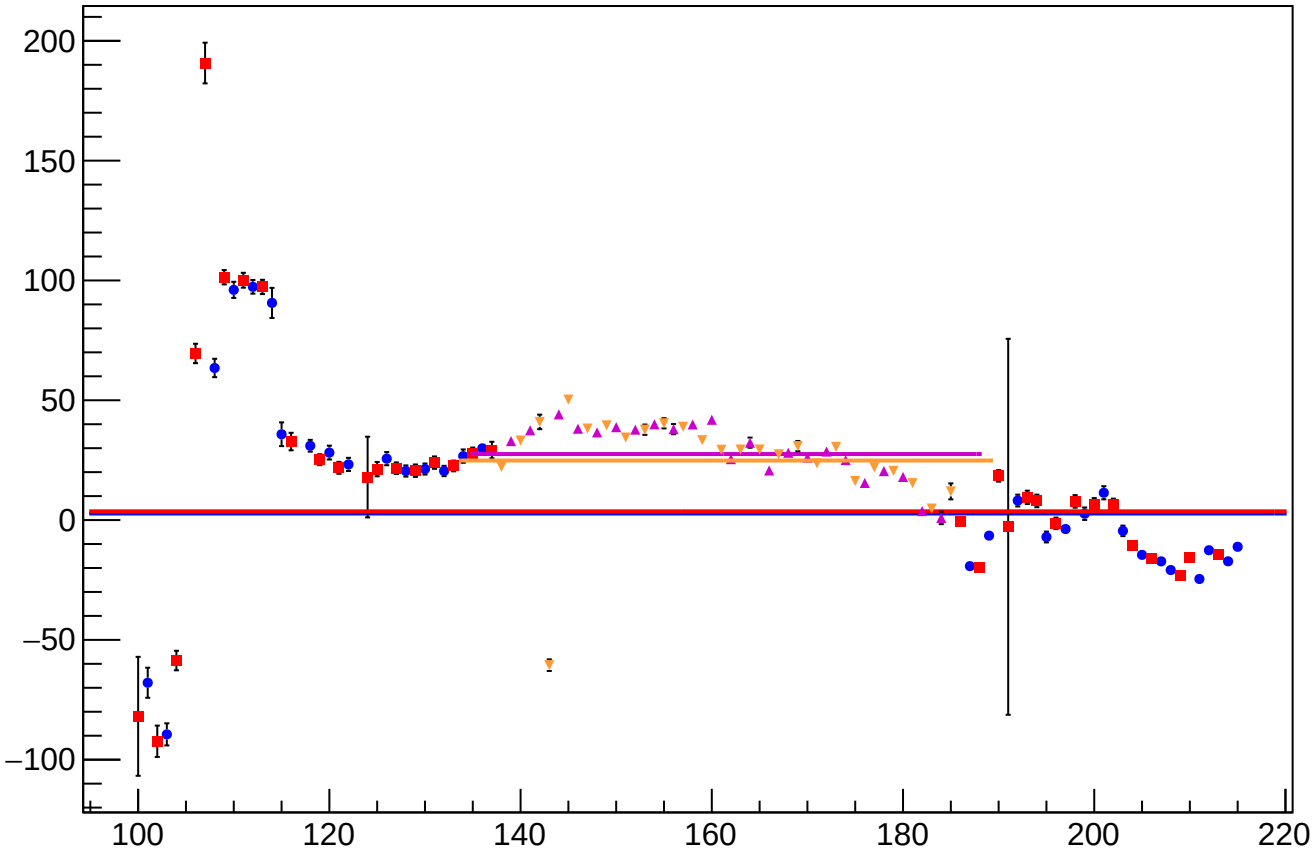
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.294+/-0.334 χ^2/NDF: 277.4/64

In: -1.934+/-0.257 χ^2/NDF:227.8/53

Out: -2.332+/-0.248 χ^2/NDF:239.2/58

All: -2.140+/-0.178 χ^2/NDF: 468.3/112



Right In: 2.749+/-0.406 χ^2/NDF: 4924.4/30

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 3.648+/-0.383 χ^2/NDF: 6304.7/33

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

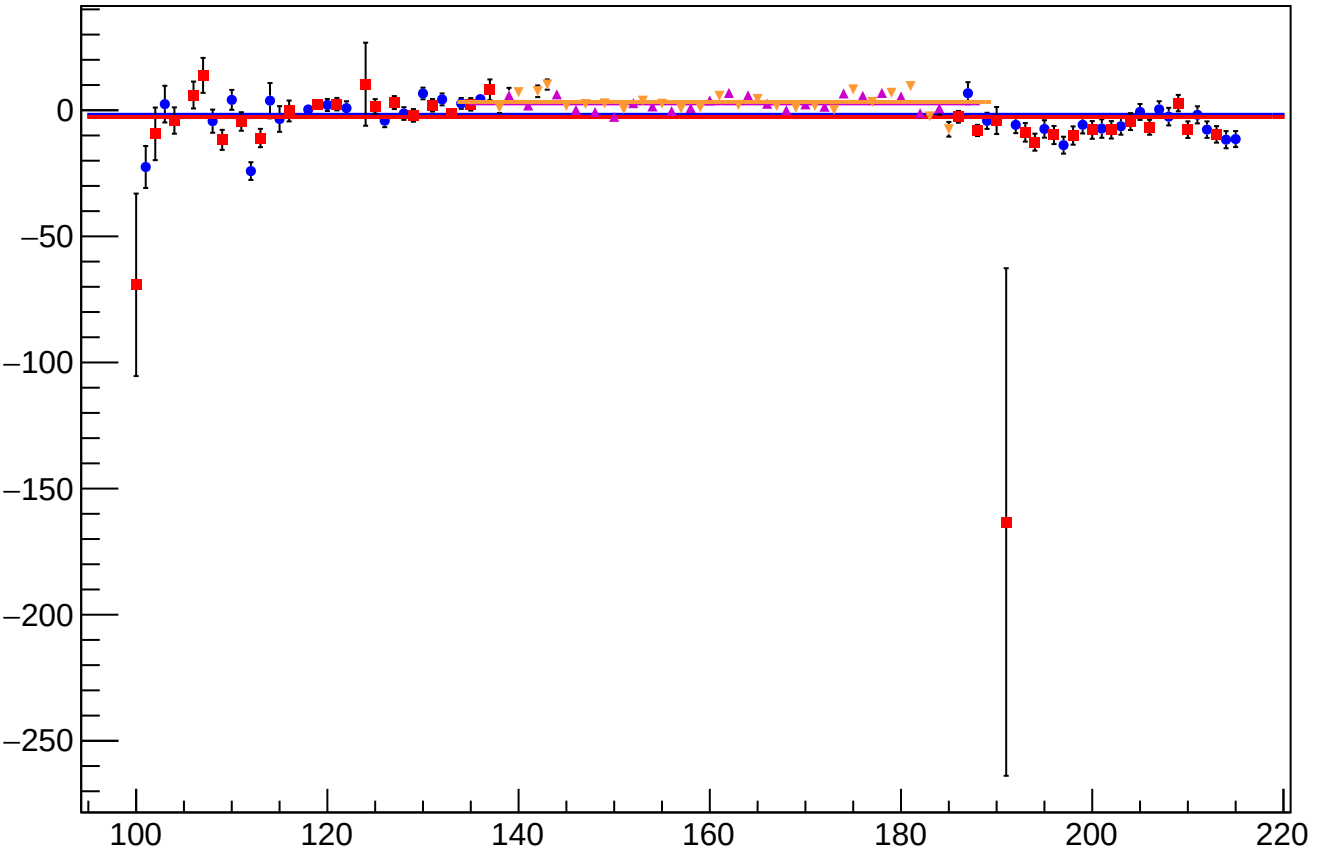
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 3.225+/-0.278 χ^2/NDF: 11231.6/64

In: 15.675+/-0.281 χ^2/NDF:7754.0/53

Out: 14.332+/-0.270 χ^2/NDF:9899.6/58

All: 14.976+/-0.194 χ^2/NDF: 17665.5/112



Right In: -1.811+/-0.549 χ^2/NDF: 138.5/30

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.679+/-0.552 χ^2/NDF: 100.9/33

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

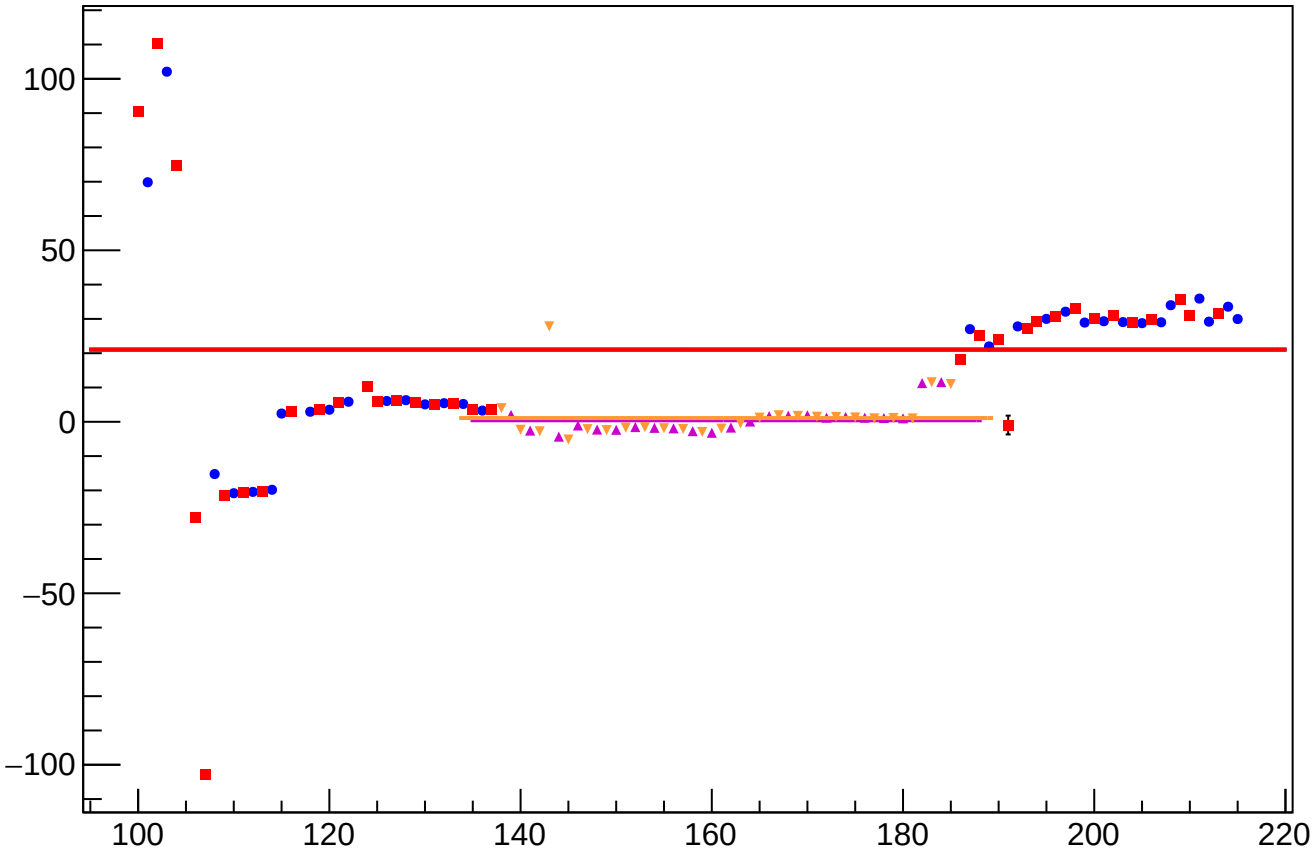
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.242+/-0.389 χ^2/NDF: 240.7/64

In: 1.459+/-0.290 χ^2/NDF:262.3/53

Out: 1.708+/-0.284 χ^2/NDF:293.0/58

All: 1.586+/-0.203 χ^2/NDF: 555.7/112



Right In: 21.066+/-0.026 χ^2/NDF: 504661.0/30

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 21.037+/-0.027 χ^2/NDF: 642931.0/33

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

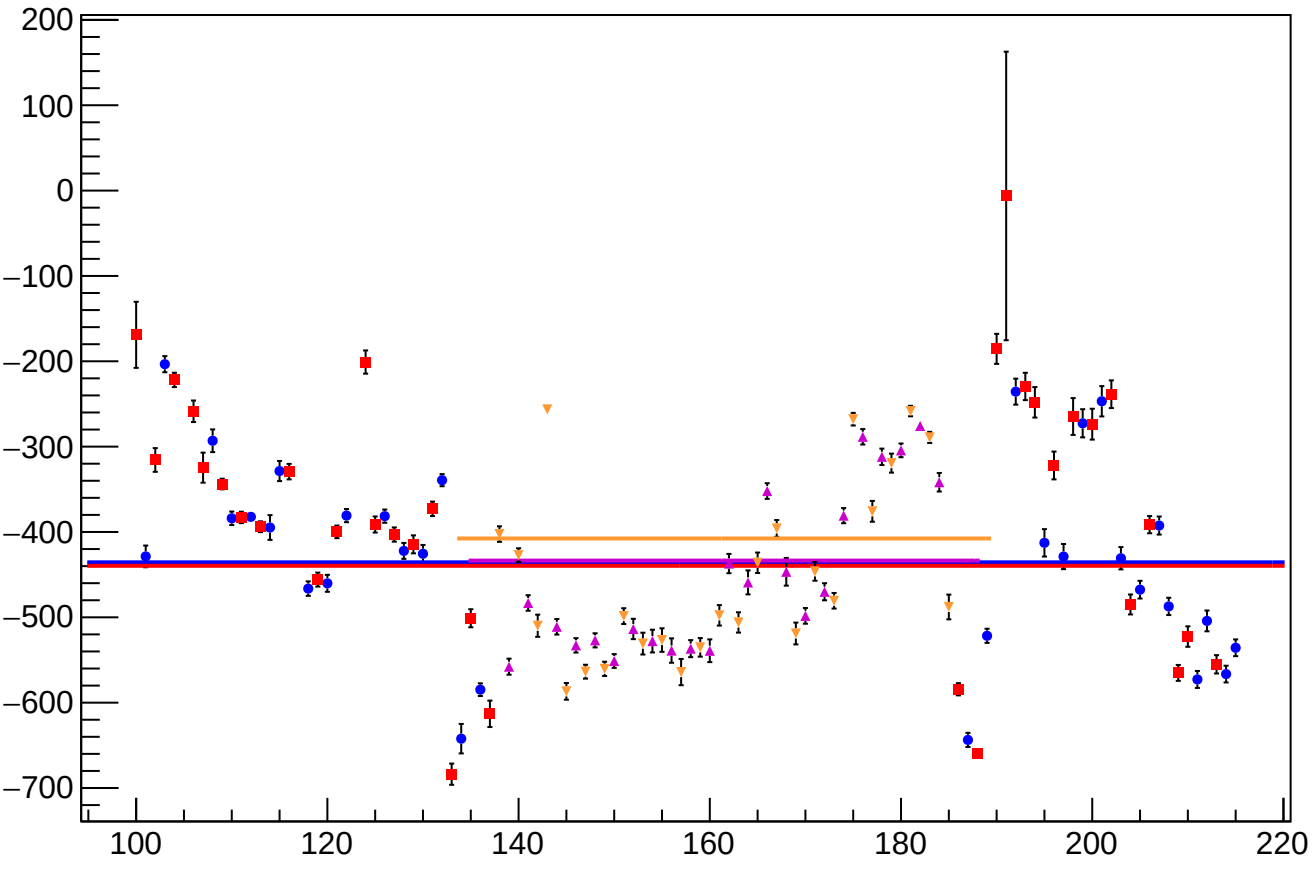
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 21.052+/-0.019 χ^2/NDF: 1147592.6/64

In: 5.569+/-0.013 χ^2/NDF:1022619.7/53

Out: 5.829+/-0.013 χ^2/NDF:1200671.4/58

All: 5.701+/-0.009 χ^2/NDF: 2223490.7/112



Right In: -435.576+/-1.767 χ^2/NDF: 3466.3/30

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -439.618+/-1.666 χ^2/NDF: 6719.4/33

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

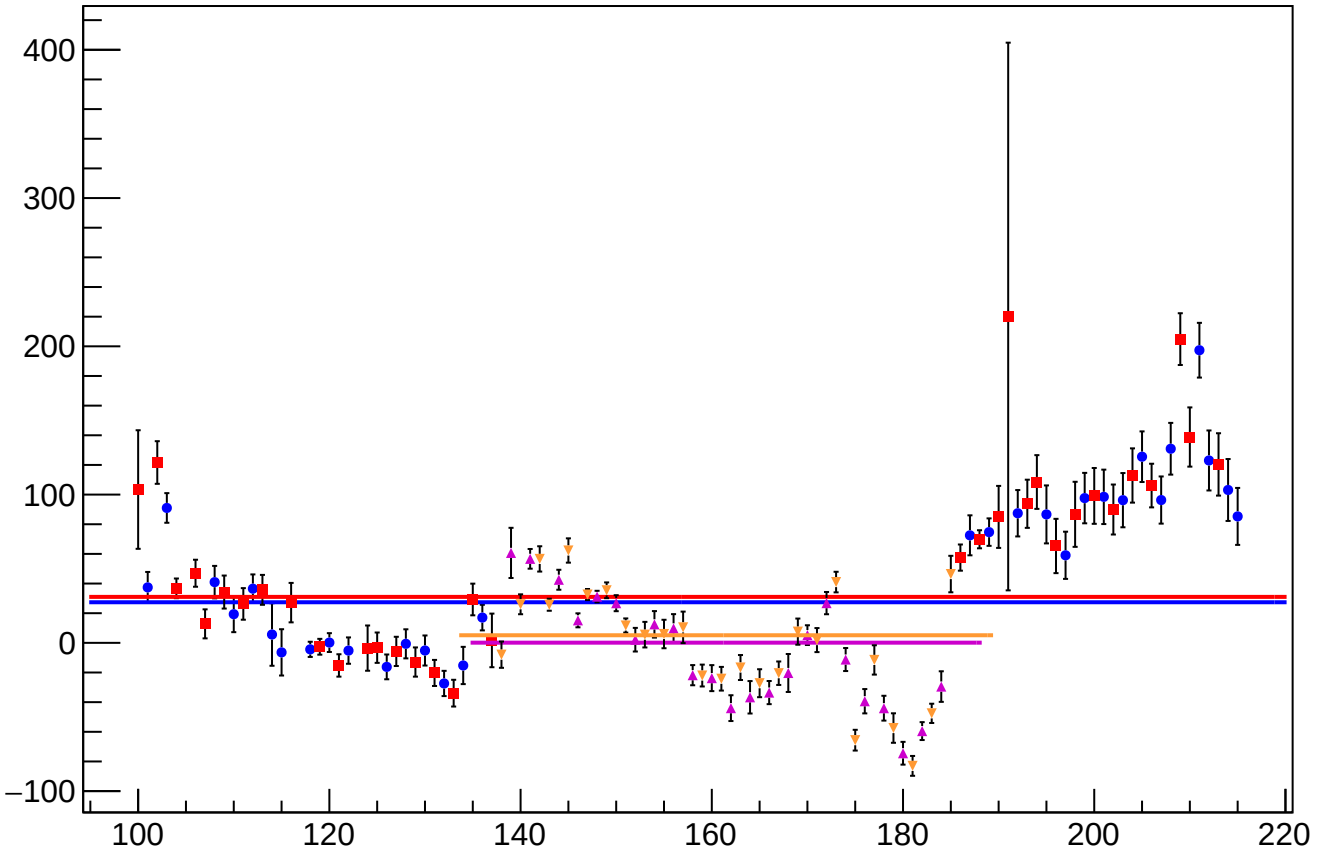
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -437.717+/-1.212 χ^2/NDF: 10188.4/64

In: -434.675+/-1.322 χ^2/NDF:6191.4/53

Out: -425.444+/-1.243 χ^2/NDF:10888.5/58

All: -429.775+/-0.906 χ^2/NDF: 17105.8/112



Right In: 27.382+/-1.987 χ^2/NDF: 548.2/30

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 31.005+/-1.879 χ^2/NDF: 585.0/33

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

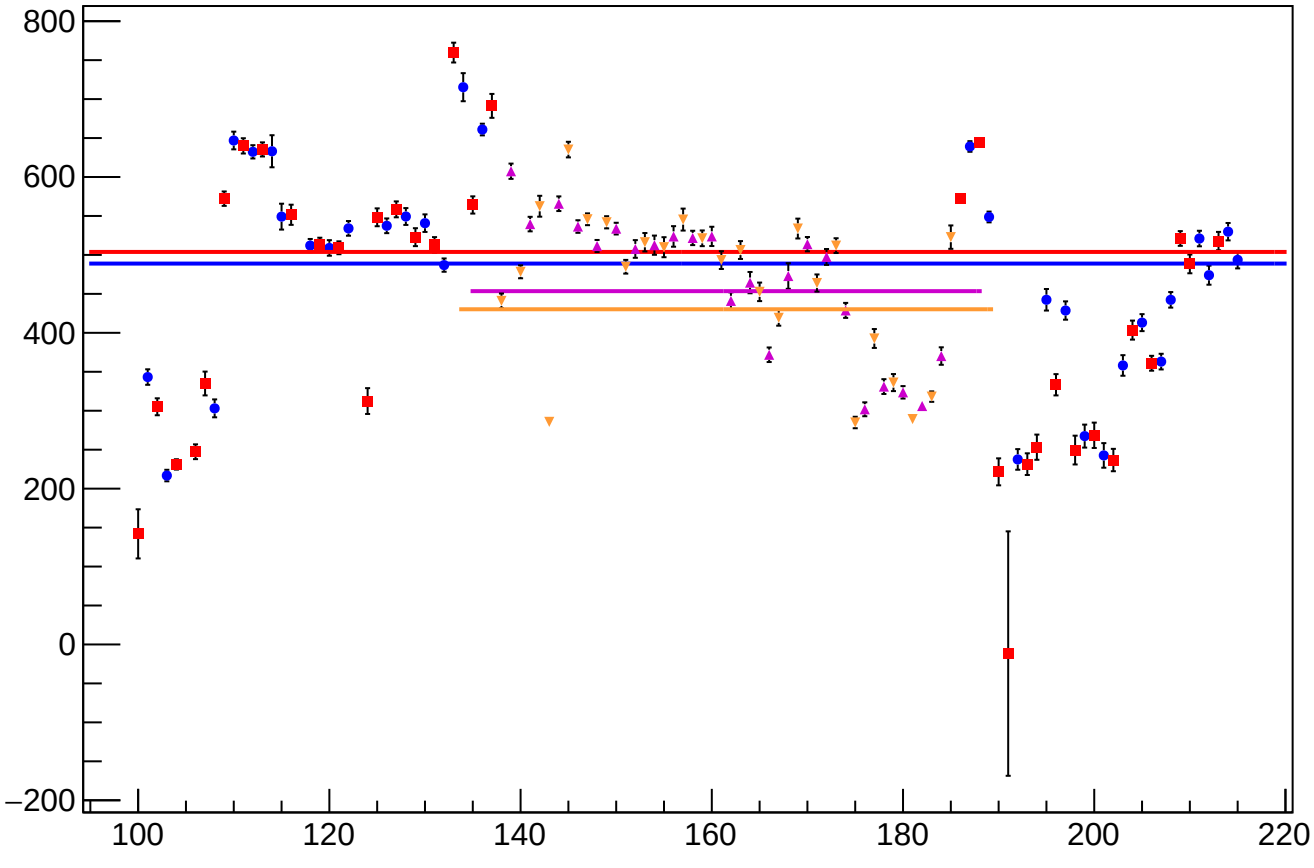
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 29.294+/-1.365 χ^2/NDF: 1135.0/64

In: 9.930+/-1.192 χ^2/NDF:1237.3/53

Out: 14.178+/-1.112 χ^2/NDF:1397.5/58

All: 12.202+/-0.813 χ^2/NDF: 2641.6/112



Right In: 488.883+/-1.834 χ^2/NDF: 4941.4/30

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.831+/-1.673 χ^2/NDF: 8073.3/33

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

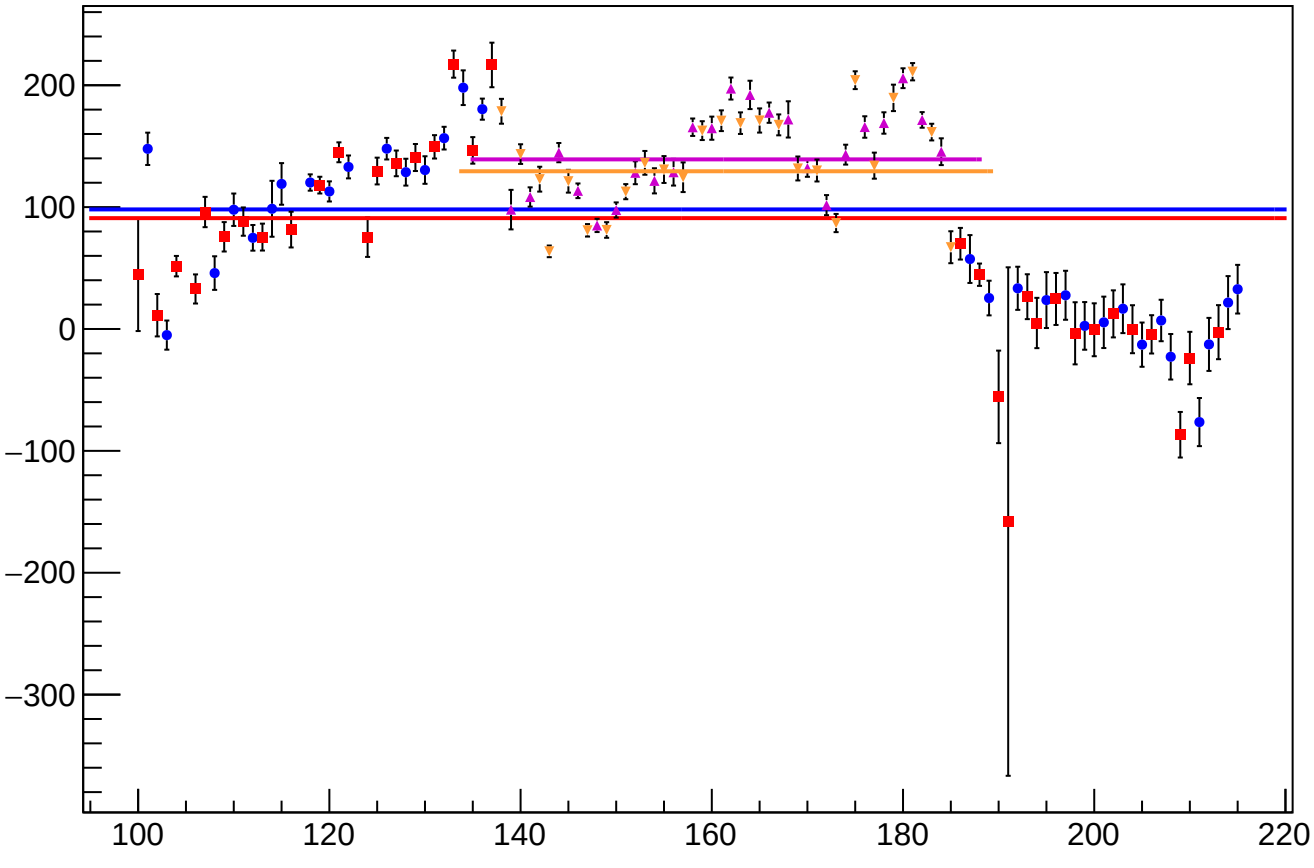
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 497.042+/-1.236 χ^2/NDF: 13051.0/64

In: 472.485+/-1.344 χ^2/NDF:7533.5/53

Out: 470.933+/-1.244 χ^2/NDF:12343.1/58

All: 471.650+/-0.913 χ^2/NDF: 19877.3/112



Right In: 98.112+/-2.318 χ^2/NDF: 725.2/30

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 90.949+/-2.233 χ^2/NDF: 749.3/33

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

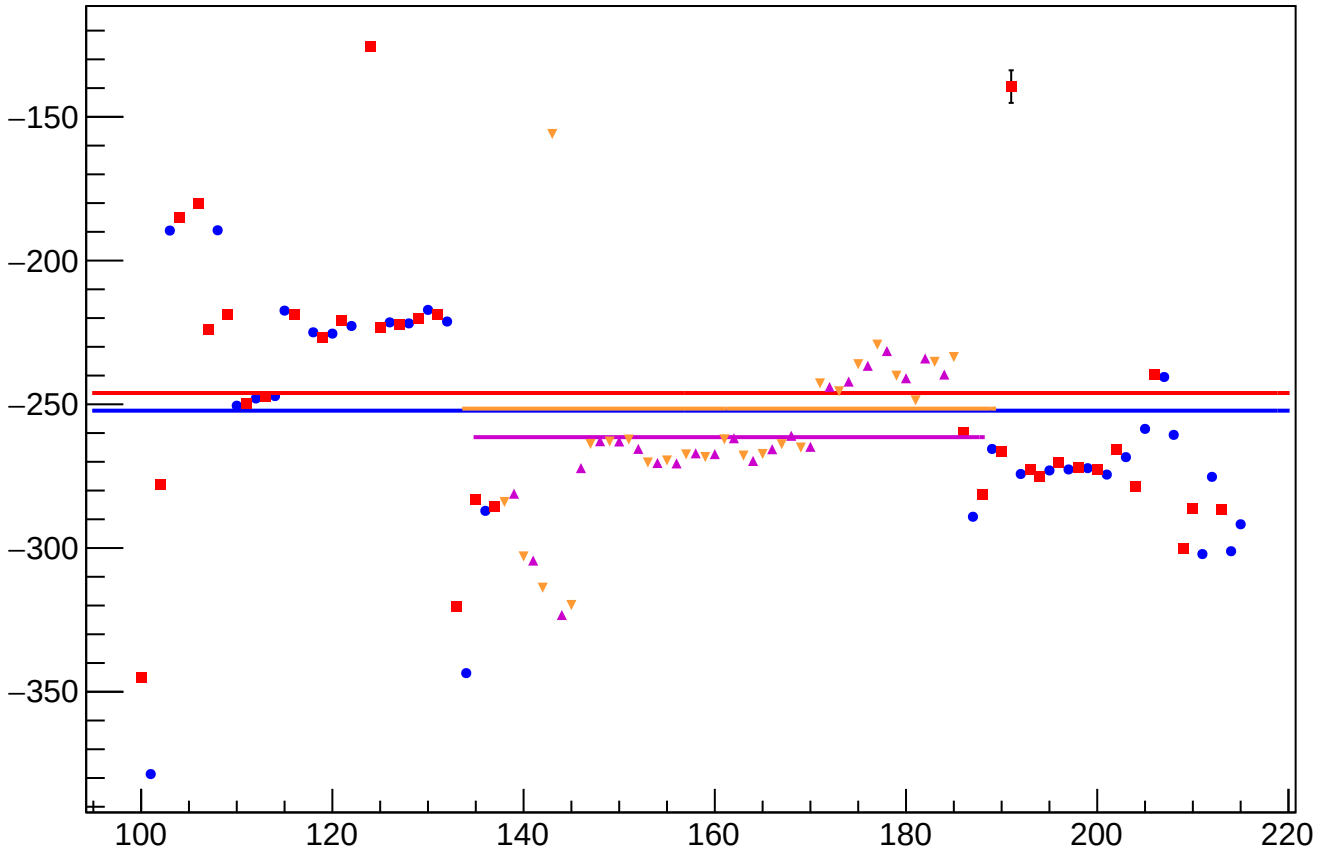
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 94.397+/-1.608 χ^2/NDF: 1479.4/64

In: 124.756+/-1.373 χ^2/NDF:1362.8/53

Out: 116.451+/-1.297 χ^2/NDF:1760.2/58

All: 120.365+/-0.943 χ^2/NDF: 3142.4/112



Right In: -252.212+/-0.118 χ^2/NDF: 155389.4/30

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -246.070+/-0.115 χ^2/NDF: 119665.5/33

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

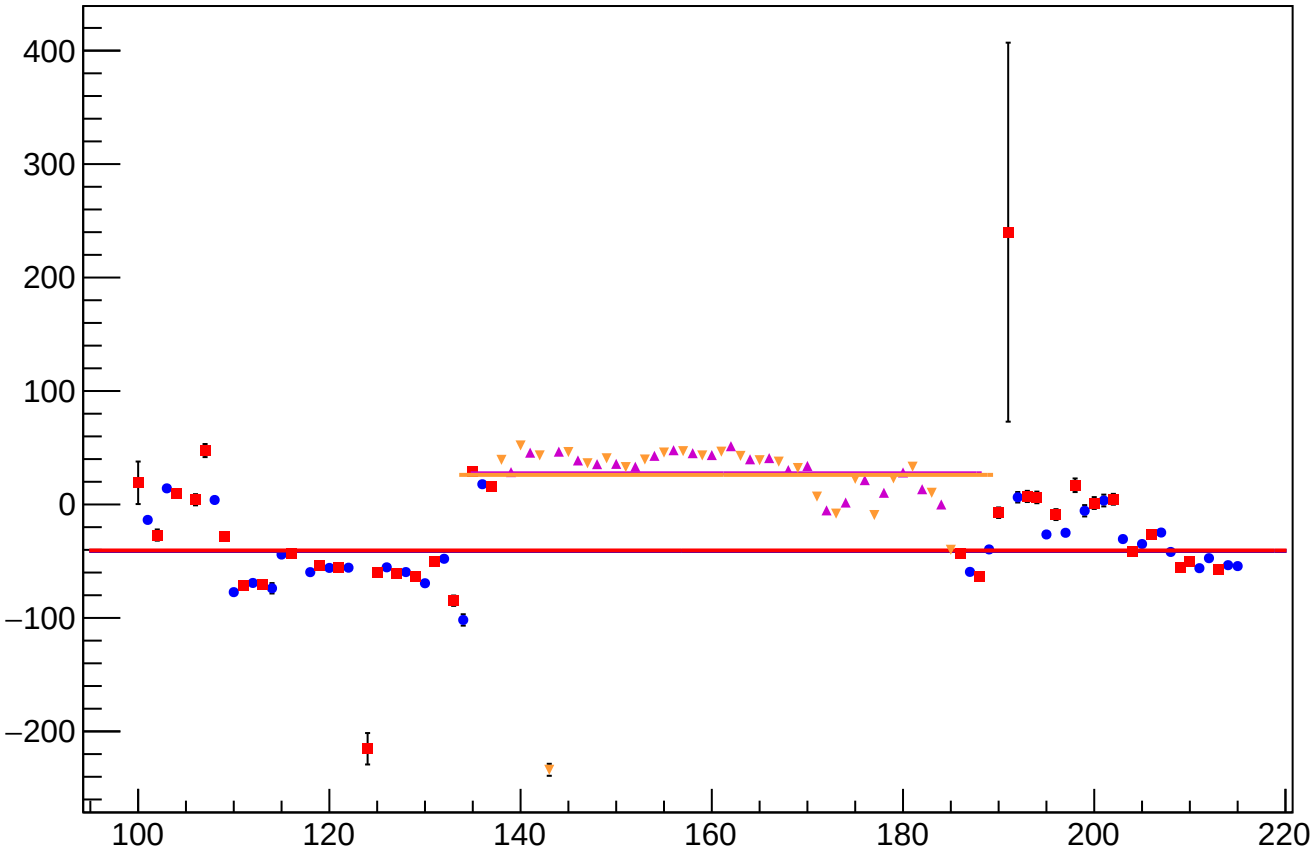
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -249.061+/-0.082 χ^2/NDF: 276443.8/64

In: -258.631+/-0.065 χ^2/NDF:229191.7/53

Out: -249.898+/-0.063 χ^2/NDF:376163.7/58

All: -254.099+/-0.045 χ^2/NDF: 614722.6/112



Right In: -40.992+/-0.540 χ^2/NDF: 2841.9/30

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -40.556+/-0.507 χ^2/NDF: 3350.4/33

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

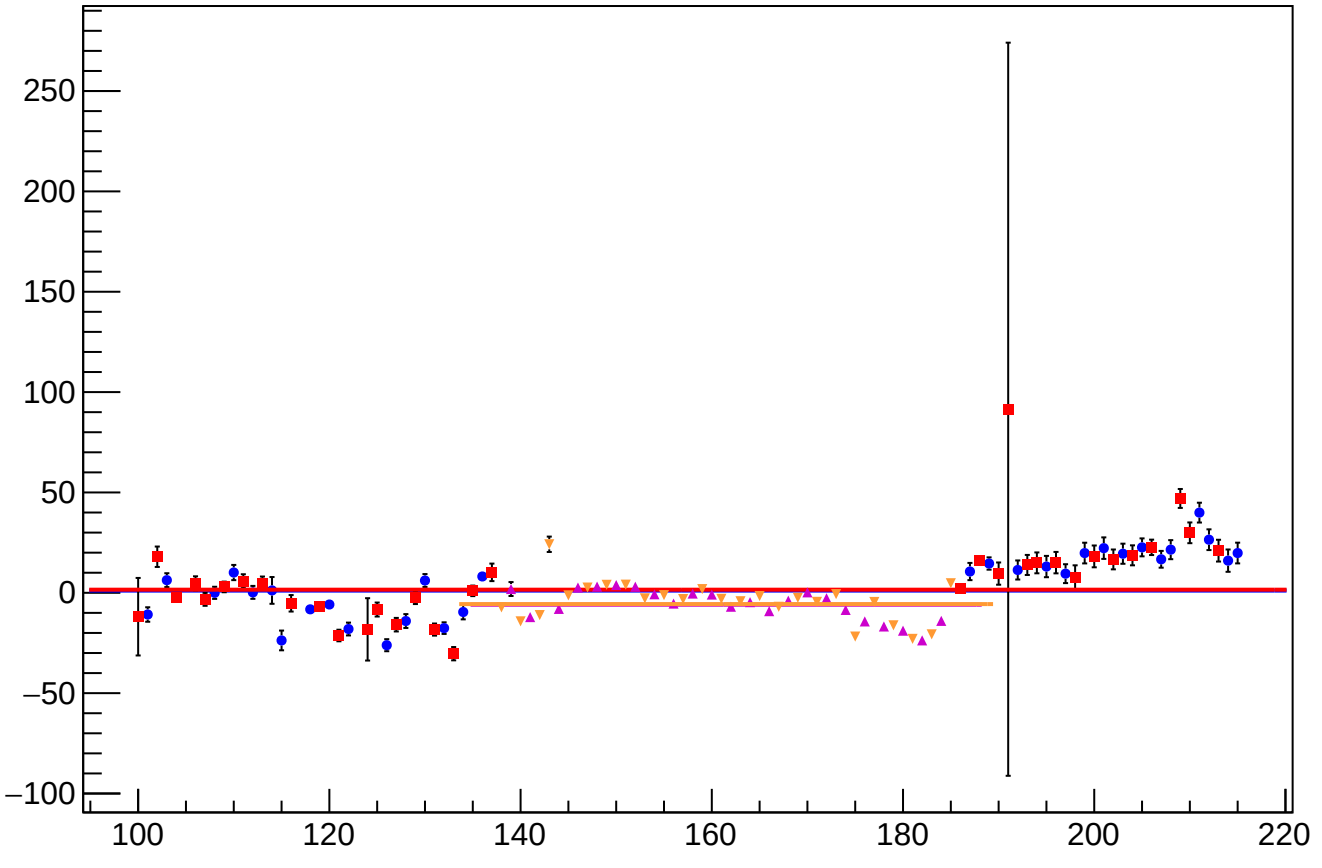
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -40.760+/-0.370 χ^2/NDF: 6192.6/64

In: 3.557+/-0.319 χ^2/NDF:14899.3/53

Out: 1.354+/-0.309 χ^2/NDF:18989.4/58

All: 2.420+/-0.222 χ^2/NDF: 33913.3/112



Right In: 1.102+/-0.637 χ^2/NDF: 519.6/30

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.554+/-0.602 χ^2/NDF: 547.1/33

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

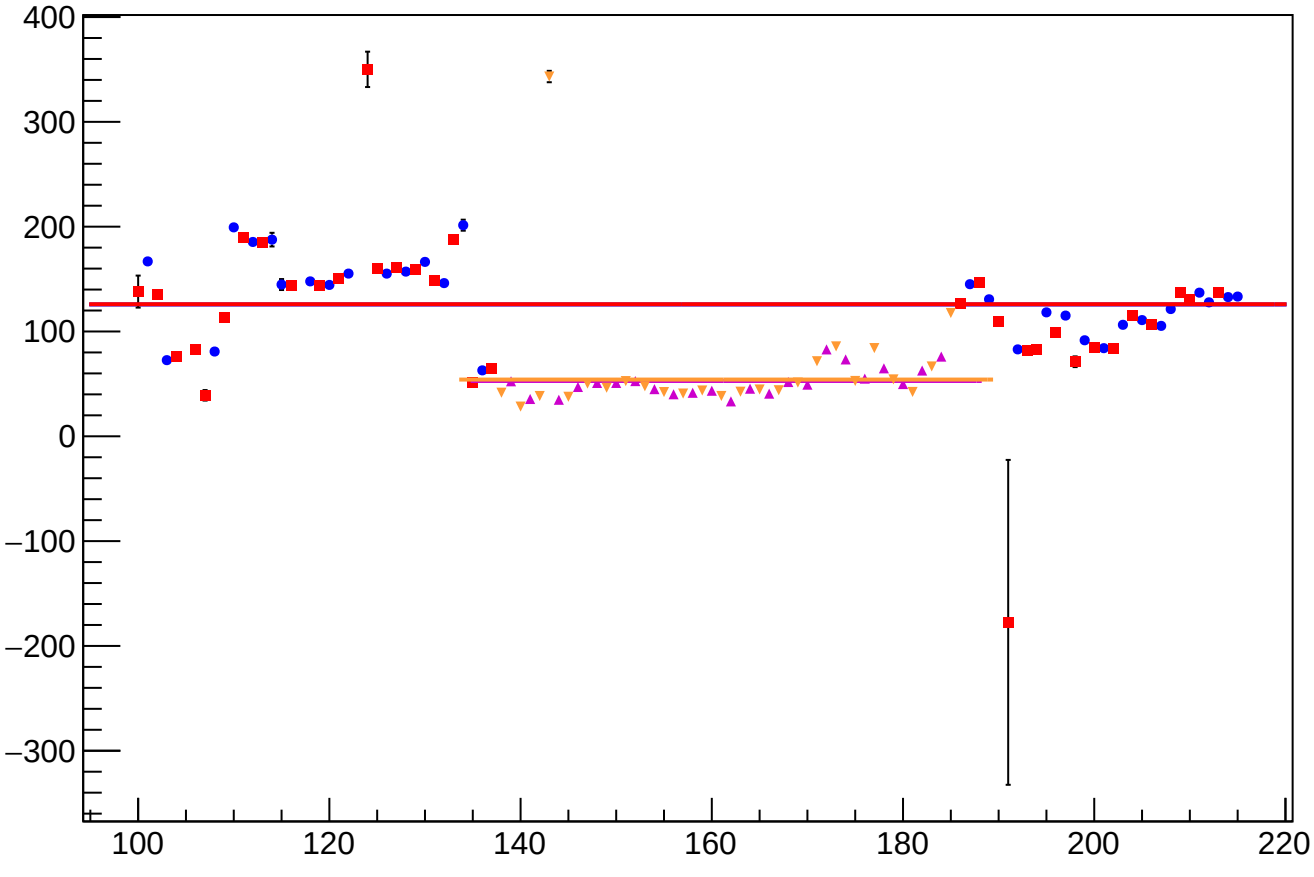
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.341+/-0.438 χ^2/NDF: 1067.0/64

In: -4.599+/-0.278 χ^2/NDF:1330.7/53

Out: -4.183+/-0.270 χ^2/NDF:1554.0/58

All: -4.385+/-0.194 χ^2/NDF: 2885.8/112



Right In: 125.753+/-0.558 χ^2/NDF: 4148.3/30

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.009+/-0.512 χ^2/NDF: 4455.7/33

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

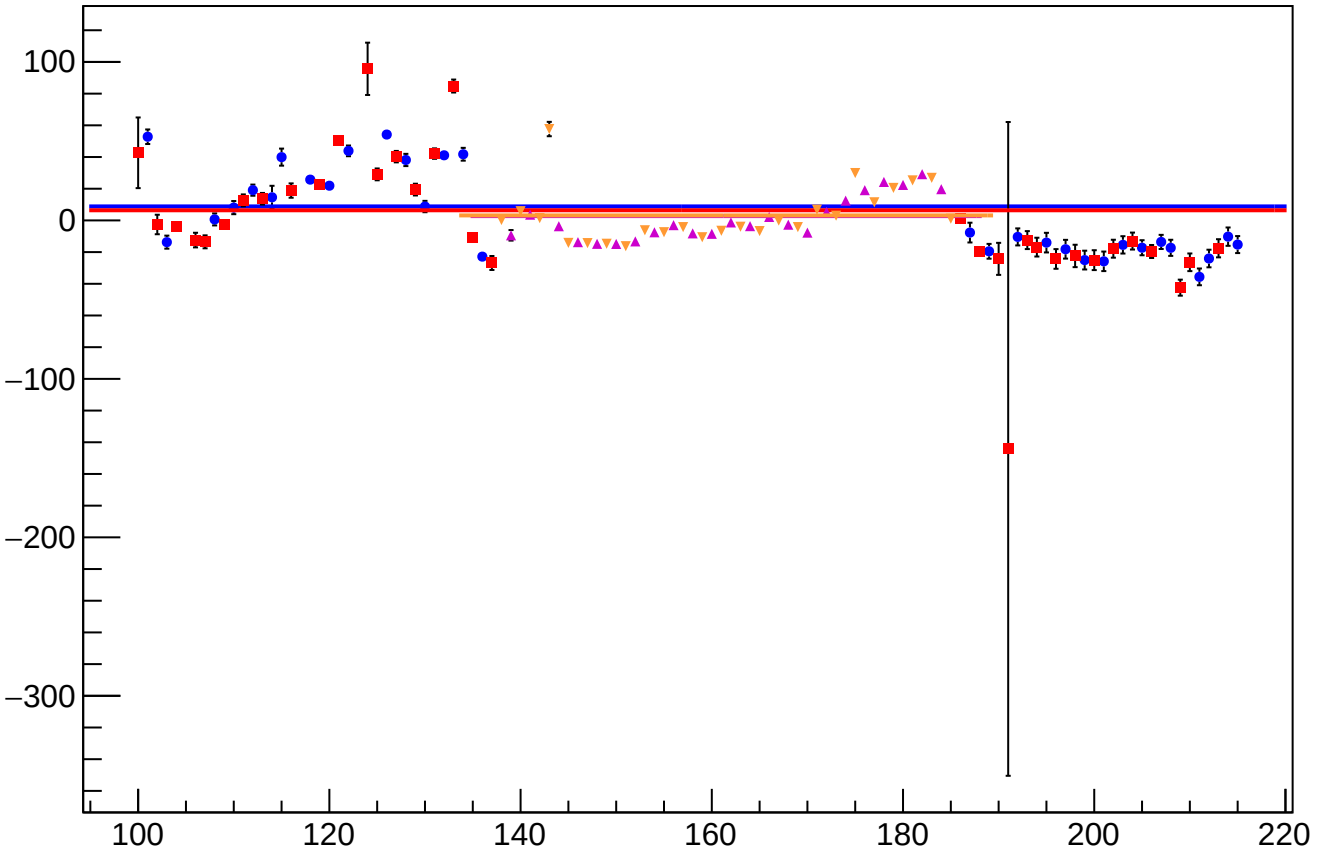
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 125.892+/-0.377 χ^2/NDF: 8604.1/64

In: 76.979+/-0.321 χ^2/NDF:16572.8/53

Out: 80.303+/-0.309 χ^2/NDF:21595.5/58

All: 78.705+/-0.223 χ^2/NDF: 38224.0/112



Right In: 8.831+/-0.732 χ^2/NDF: 1392.5/30

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 6.398+/-0.711 χ^2/NDF: 1467.8/33

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

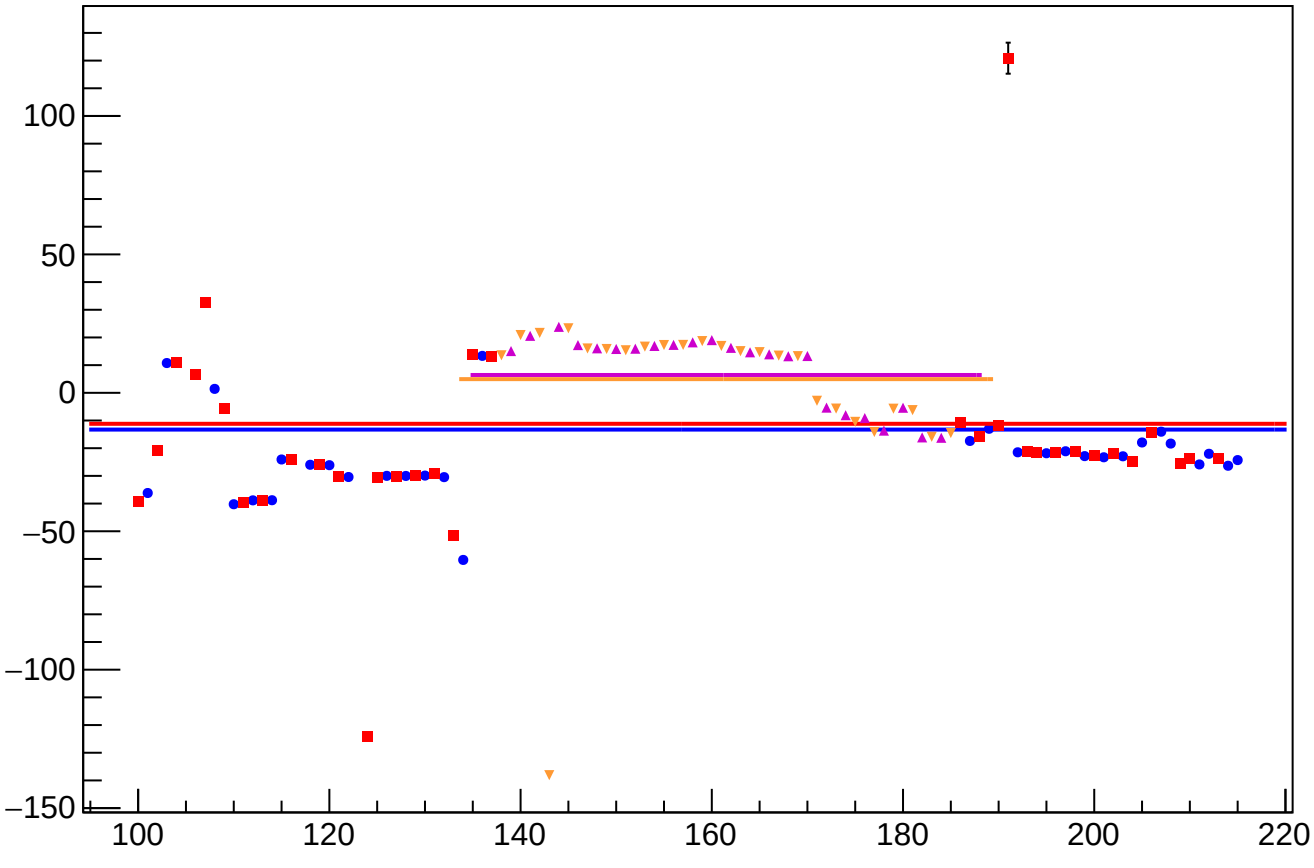
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.580+/-0.510 χ^2/NDF: 2866.0/64

In: 3.842+/-0.313 χ^2/NDF:3184.6/53

Out: 3.758+/-0.307 χ^2/NDF:3497.1/58

All: 3.799+/-0.219 χ^2/NDF: 6681.7/112



Right In: -13.277+/-0.035 χ^2/NDF: 303825.9/30

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.188+/-0.035 χ^2/NDF: 282502.1/33

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

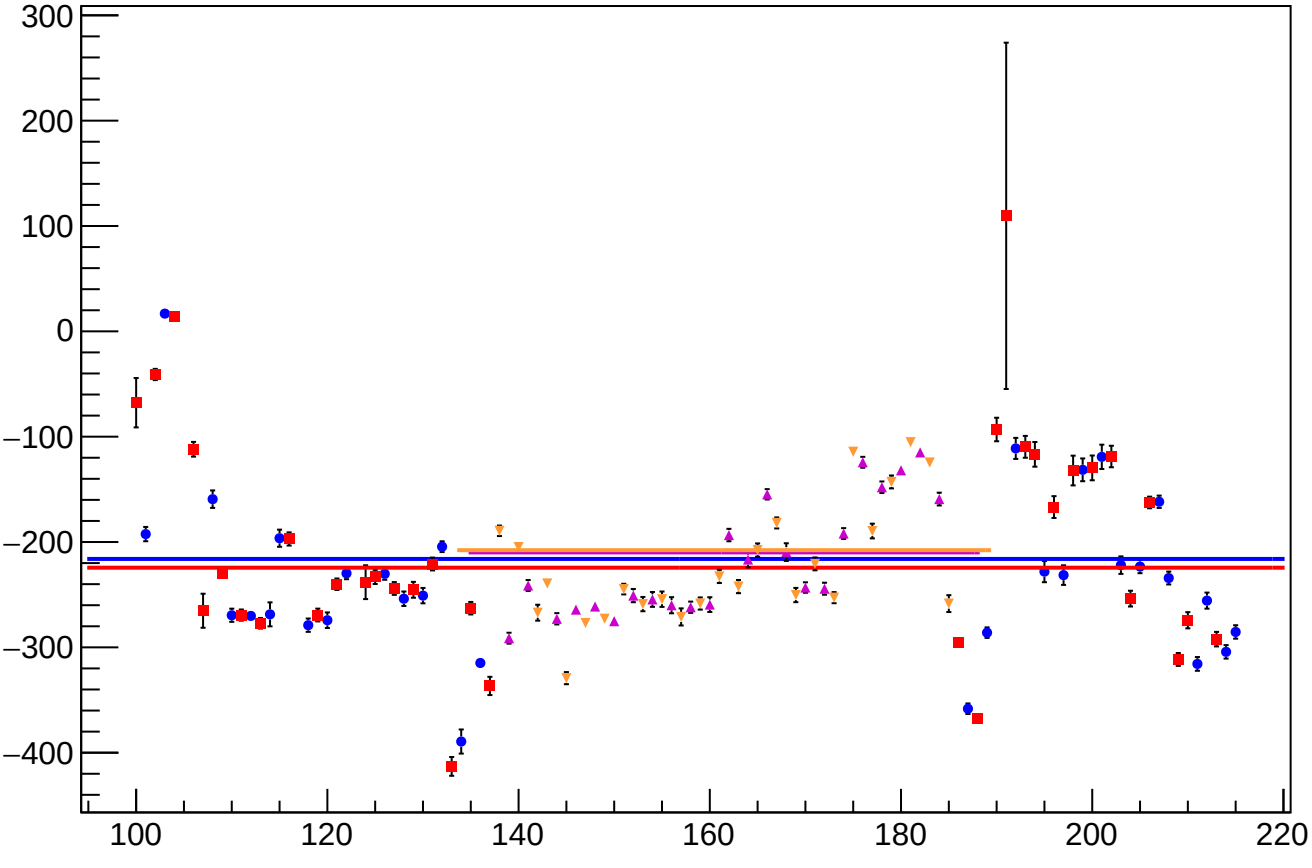
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -12.236+/-0.025 χ^2/NDF: 588114.6/64

In: 3.247+/-0.014 χ^2/NDF:1301513.2/53

Out: 2.381+/-0.014 χ^2/NDF:1597683.1/58

All: 2.812+/-0.010 χ^2/NDF: 2901111.3/112



Right In: -216.060+/-1.111 χ^2/NDF: 9448.1/30

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -224.368+/-1.050 χ^2/NDF: 12664.1/33

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

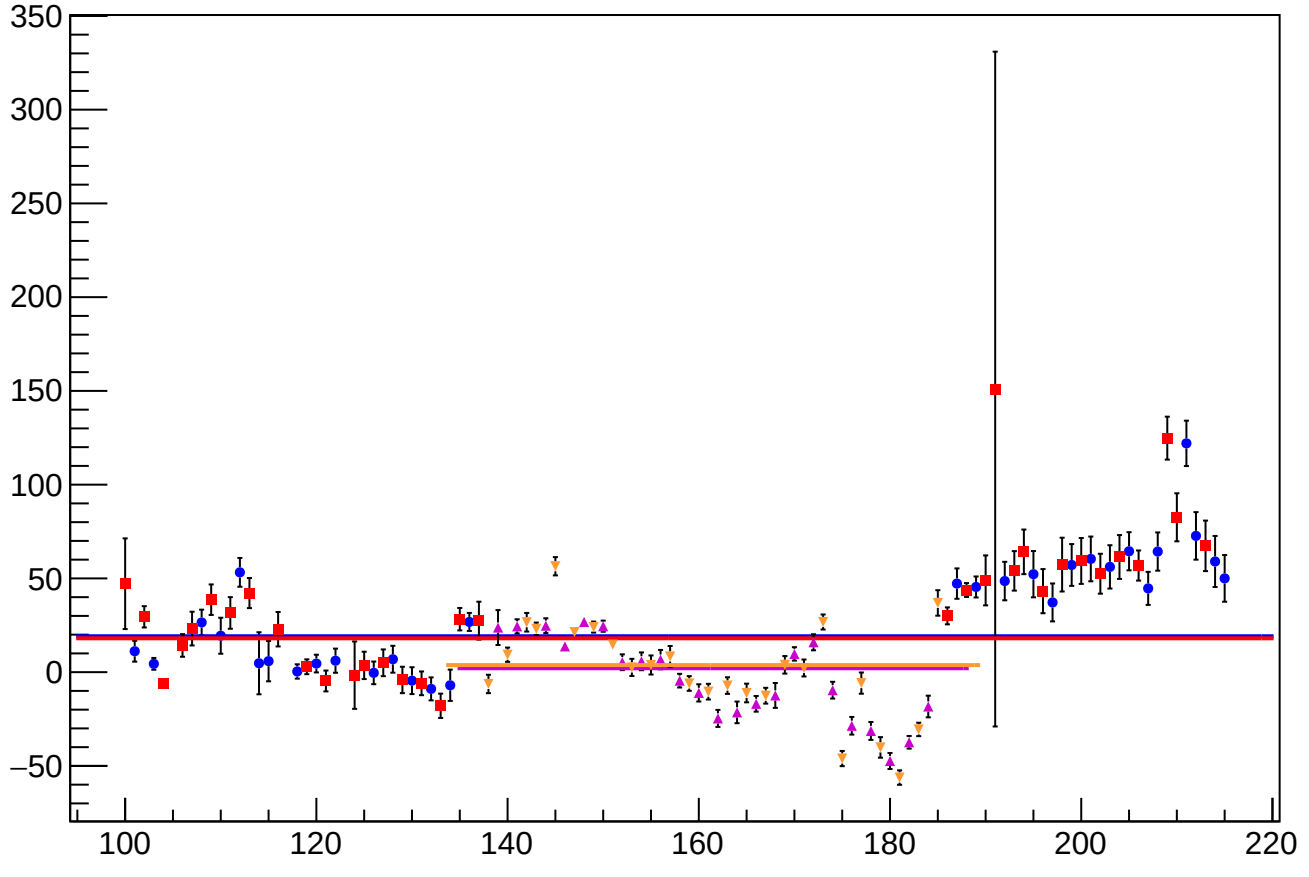
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -220.449+/-0.763 χ^2/NDF: 22141.8/64

In: -212.940+/-0.782 χ^2/NDF:12475.6/53

Out: -216.212+/-0.749 χ^2/NDF:16274.2/58

All: -214.646+/-0.541 χ^2/NDF: 28759.0/112



Right In: 19.155+/-1.254 χ^2/NDF: 381.8/30

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.057+/-1.149 χ^2/NDF: 508.1/33

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

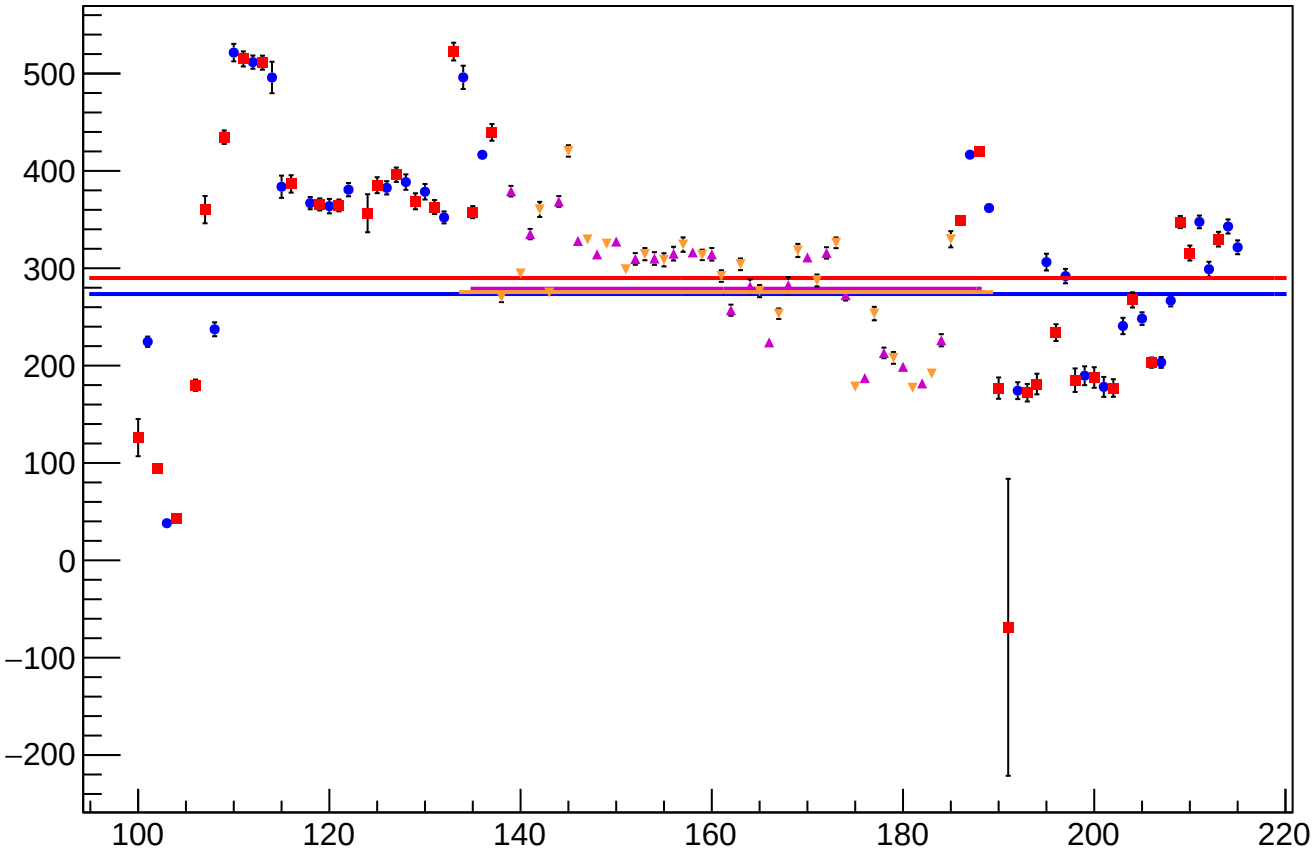
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 18.558+/-0.847 χ^2/NDF: 890.3/64

In: 7.195+/-0.686 χ^2/NDF:1282.0/53

Out: 8.336+/-0.649 χ^2/NDF:1585.4/58

All: 7.797+/-0.472 χ^2/NDF: 2868.9/112



Right In: 273.519+/-1.082 χ^2/NDF: 18048.5/30

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 289.952+/-0.989 χ^2/NDF: 22291.1/33

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

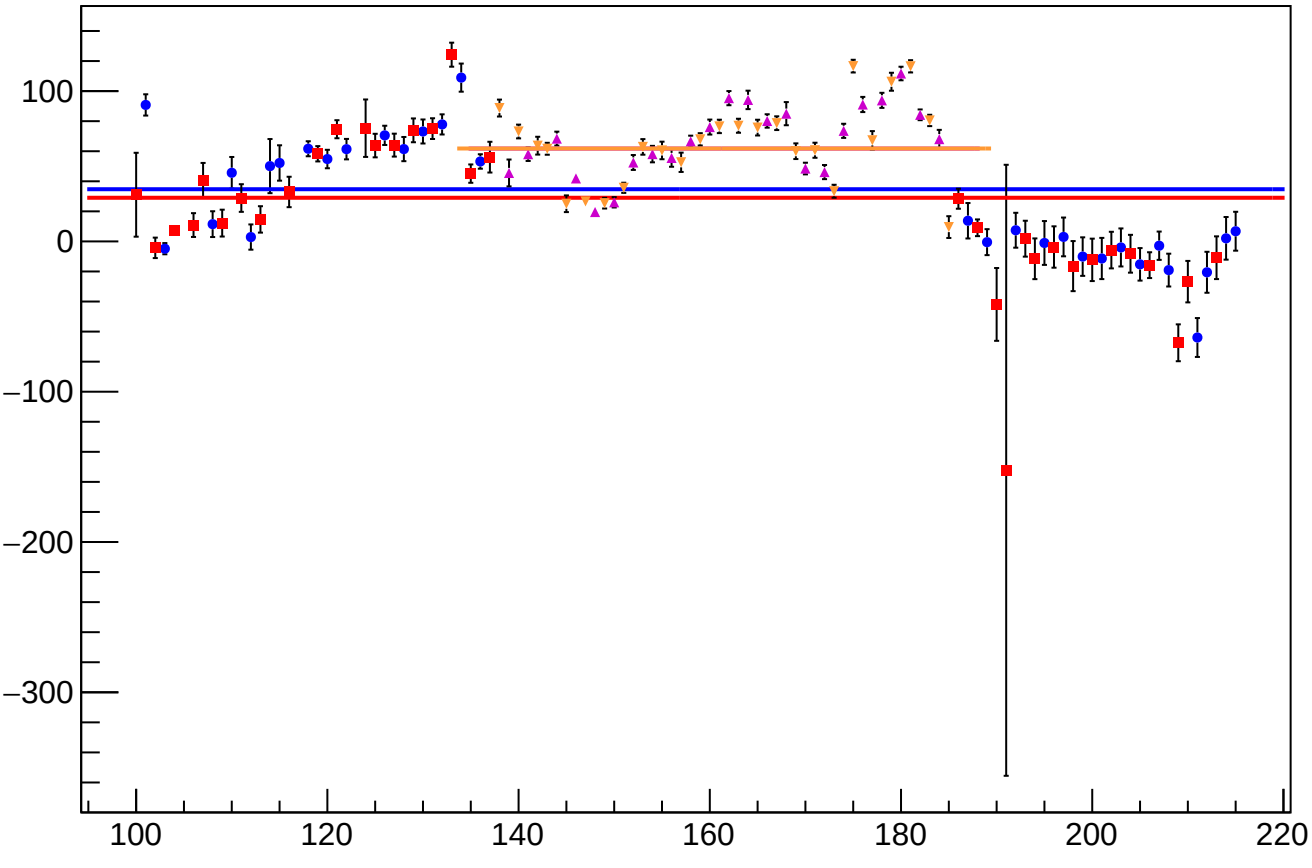
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 282.469+/-0.730 χ^2/NDF: 40465.2/64

In: 276.237+/-0.767 χ^2/NDF:21175.8/53

Out: 283.254+/-0.724 χ^2/NDF:25712.9/58

All: 279.951+/-0.527 χ^2/NDF: 46932.9/112



Right In: 34.724+/-1.464 χ^2/NDF: 657.2/30

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 29.041+/-1.388 χ^2/NDF: 644.7/33

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

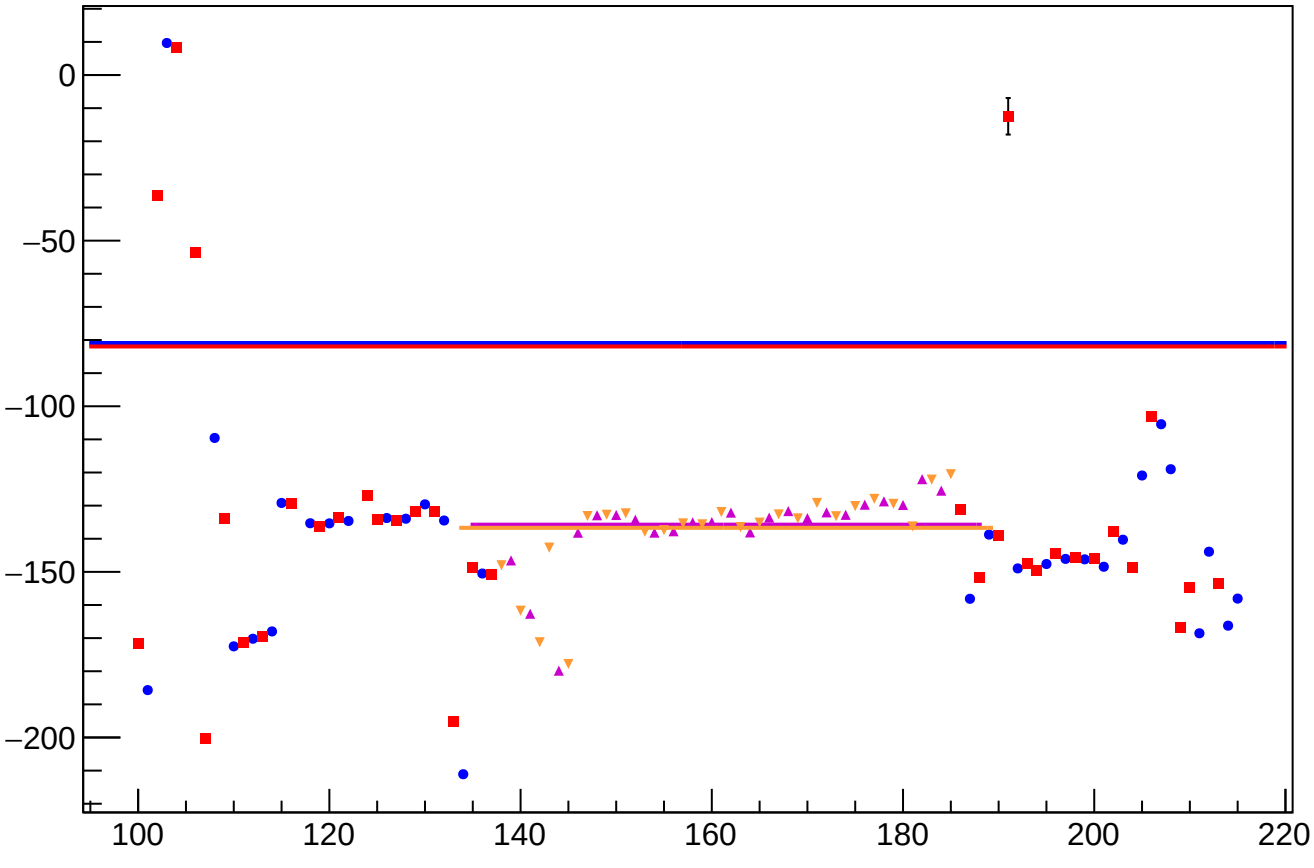
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.730+/-1.007 χ^2/NDF: 1309.8/64

In: 53.888+/-0.790 χ^2/NDF:1634.9/53

Out: 52.002+/-0.760 χ^2/NDF:1994.9/58

All: 52.907+/-0.548 χ^2/NDF: 3632.7/112



Right In: -80.901+/-0.062 χ^2/NDF: 1583092.0/30

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -81.950+/-0.062 χ^2/NDF: 1262681.2/33

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

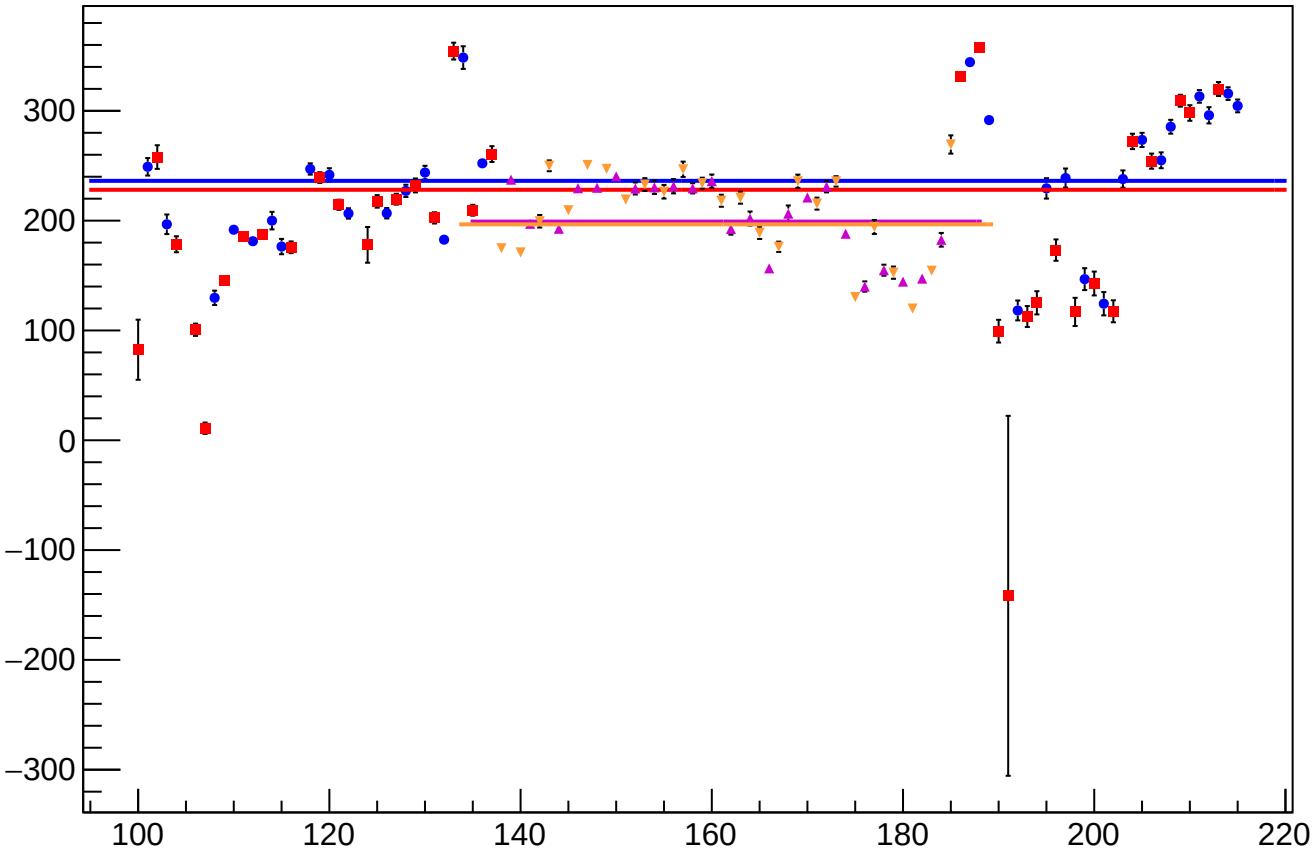
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -81.421+/-0.044 χ^2/NDF: 2845915.1/64

In: -118.023+/-0.035 χ^2/NDF:2177265.1/53

Out: -119.524+/-0.035 χ^2/NDF:1868361.4/58

All: -118.778+/-0.025 χ^2/NDF: 4046541.2/11



Right In: 236.246+/-1.031 χ^2/NDF: 2913.8/30

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 228.104+/-0.943 χ^2/NDF: 8734.7/33

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

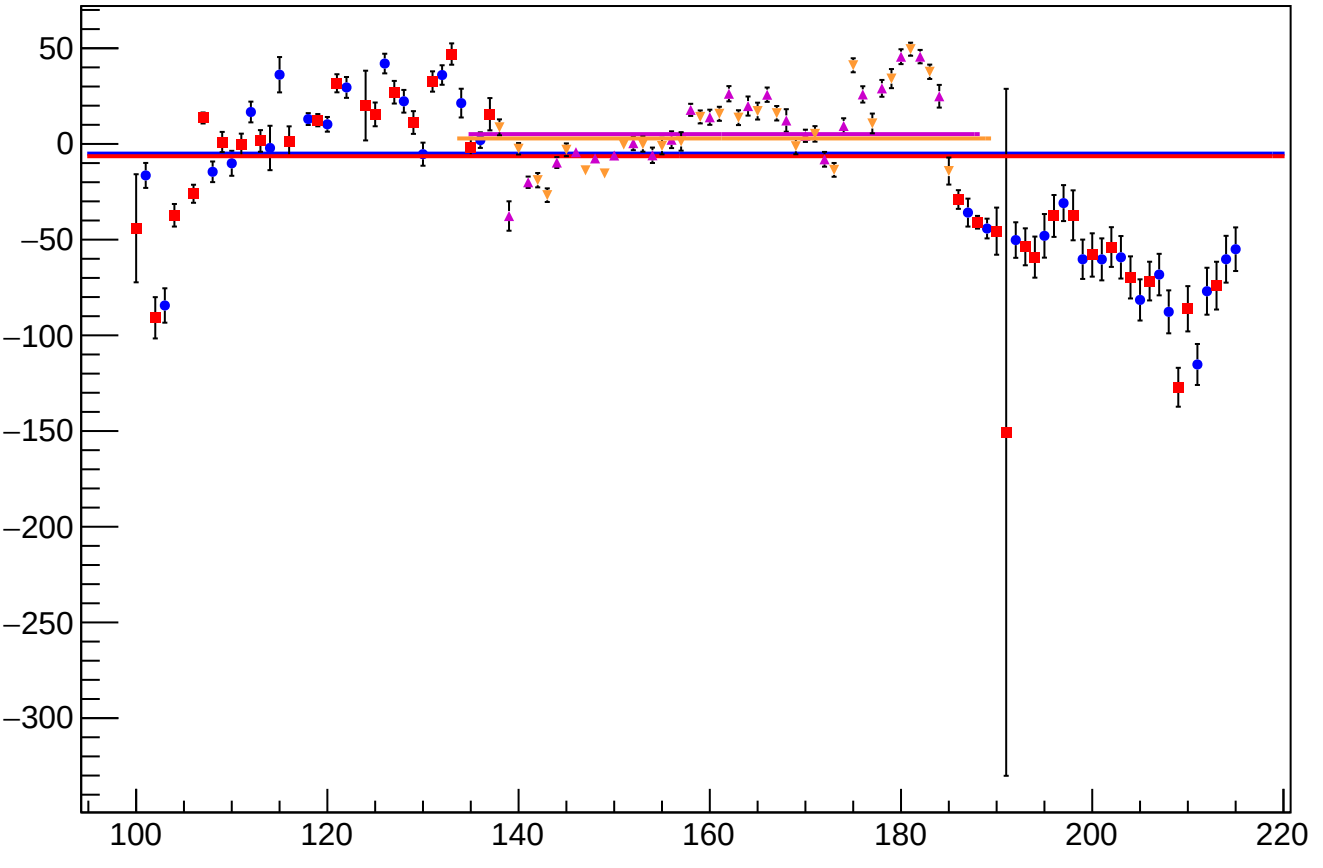
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 231.813+/-0.696 χ^2/NDF: 11682.5/64

In: 216.624+/-0.708 χ^2/NDF:4893.2/53

Out: 212.415+/-0.668 χ^2/NDF:11365.7/58

All: 214.399+/-0.486 χ^2/NDF: 16277.7/112



Right In: -5.056+/-1.170 χ^2/NDF: 913.7/30

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -6.414+/-1.055 χ^2/NDF: 1004.8/33

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

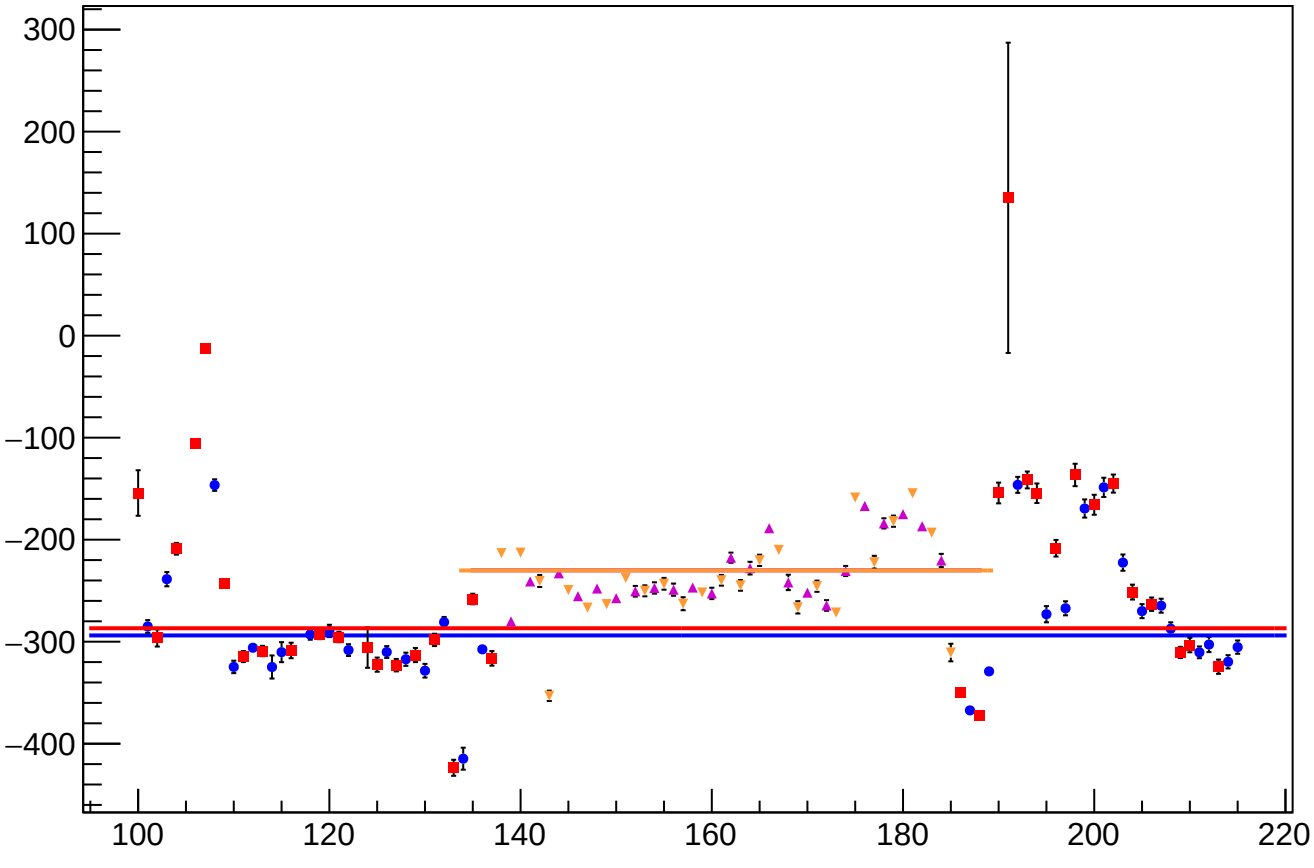
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -5.805+/-0.784 χ^2/NDF: 1919.2/64

In: 2.340+/-0.612 χ^2/NDF:1597.3/53

Out: 0.072+/-0.579 χ^2/NDF:1811.7/58

All: 1.144+/-0.421 χ^2/NDF: 3416.2/112



Right In: -293.861+/-1.077 χ^2/NDF: 2410.6/30

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -286.818+/-0.952 χ^2/NDF: 9974.8/33

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

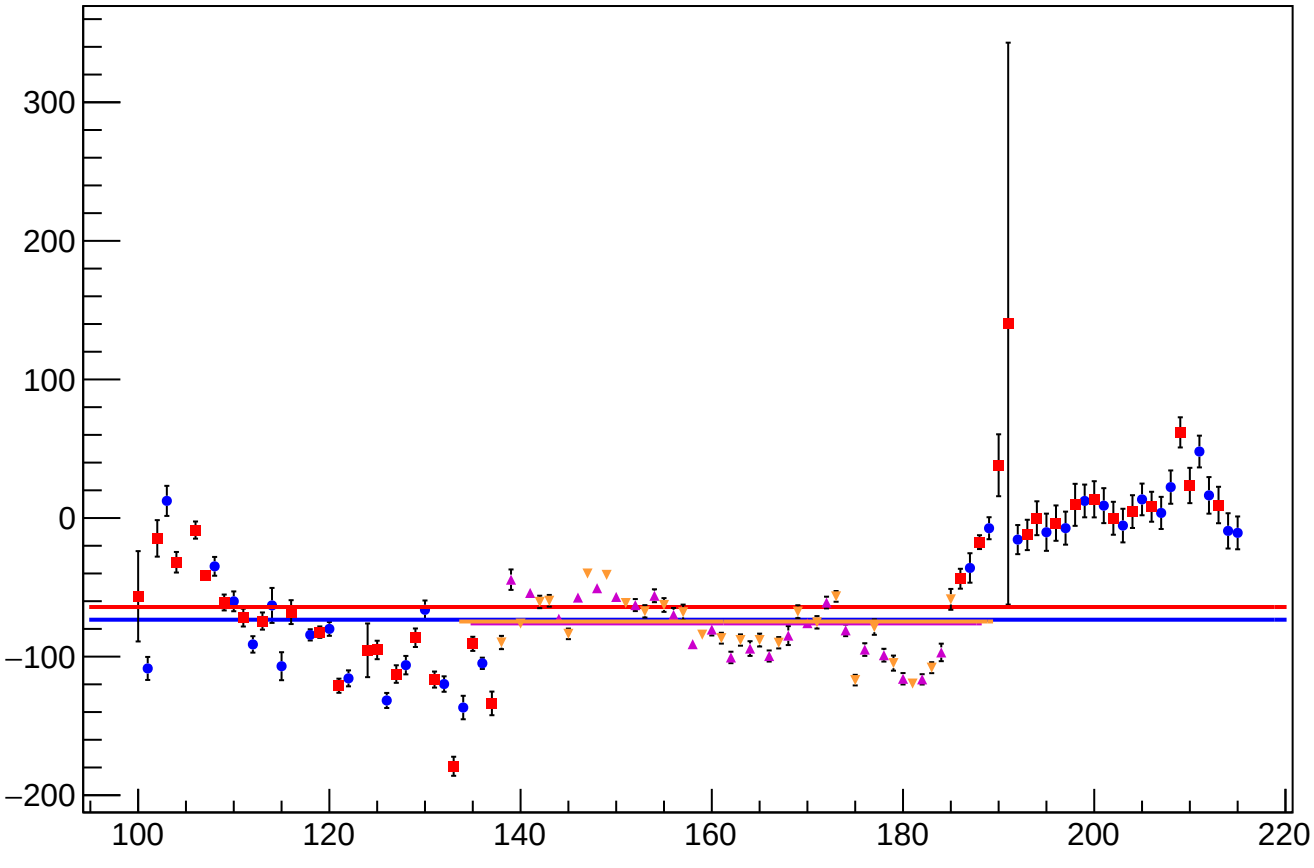
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

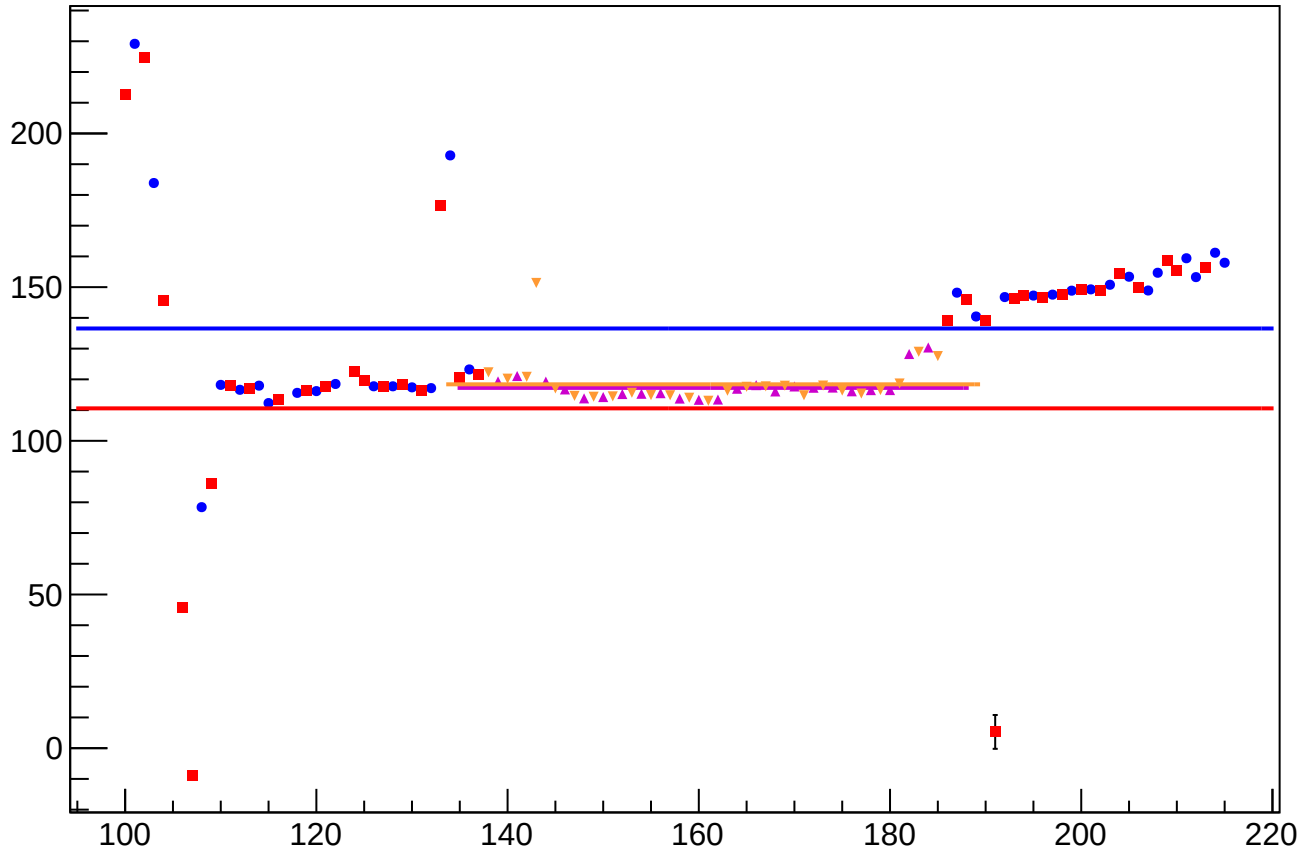
Right: -289.908+/-0.713 χ^2/NDF: 12409.4/64

In: -258.331+/-0.717 χ^2/NDF:5459.1/53

Out: -258.100+/-0.669 χ^2/NDF:13950.1/58

All: -258.208+/-0.489 χ^2/NDF: 19409.2/112


reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
−200
100
120
140
160
180
200
220
Right In: -73.365+/-1.361 χ²/NDF: 1193.2/30
Left Out: -74.644+/-0.801 χ²/NDF:831.0/24
Right Out: -64.203+/-1.261 χ²/NDF: 1417.5/33
Left In: -76.025+/-0.824 χ²/NDF:646.0/22
Left: -75.315+/-0.574 χ²/NDF: 1478.5/47
Right: -68.435+/-0.925 χ²/NDF: 2635.2/64
In: -75.311+/-0.705 χ²/NDF:1842.0/53
Out: -71.643+/-0.676 χ²/NDF:2297.4/58
All: -73.400+/-0.488 χ²/NDF: 4153.6/112



Right In: 136.551+/-0.070 χ^2/NDF: 205831.0/30

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 110.561+/-0.064 χ^2/NDF: 781647.0/33

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

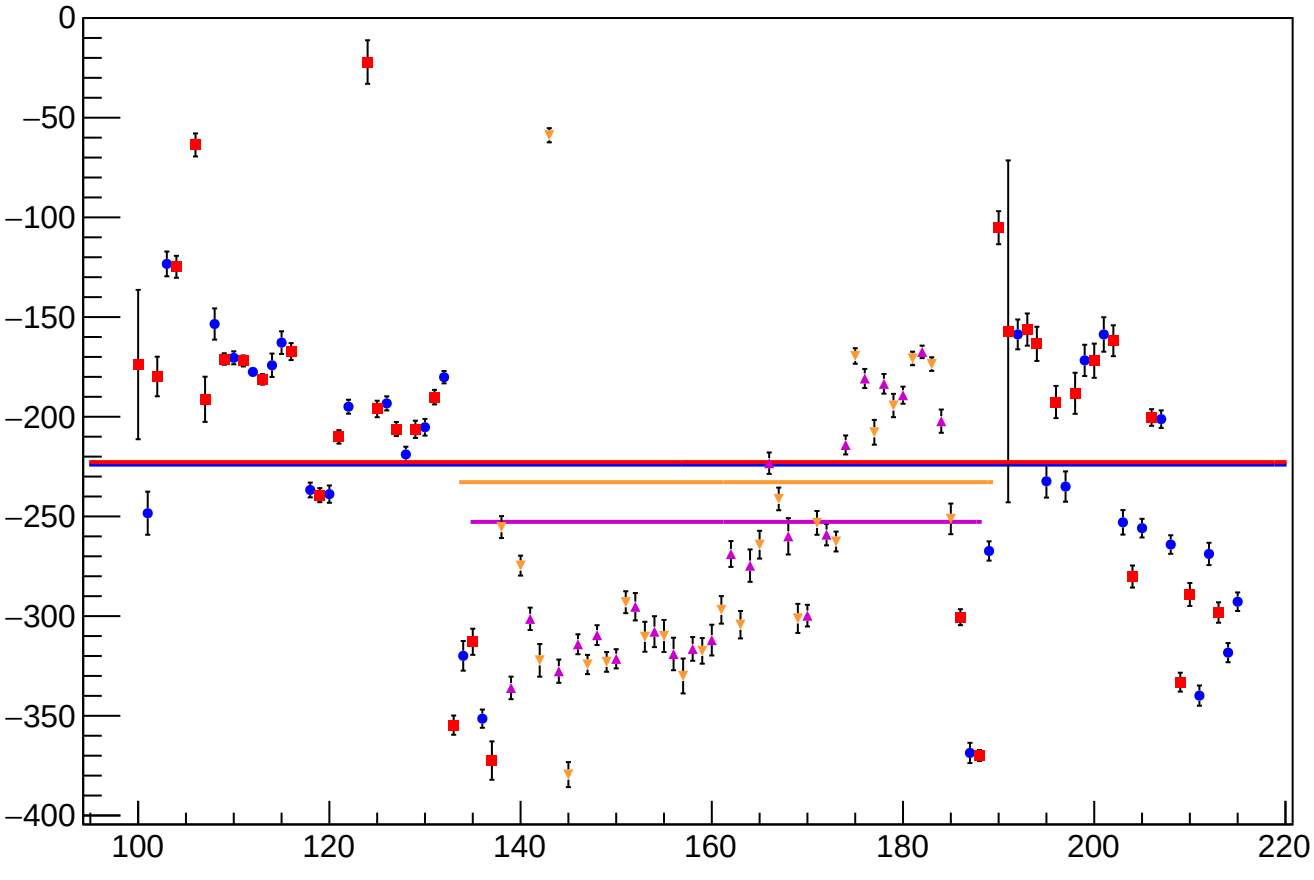
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 122.384+/-0.048 χ^2/NDF: 1061632.2/64

In: 121.509+/-0.033 χ^2/NDF:274605.7/53

Out: 116.418+/-0.032 χ^2/NDF:827640.1/58

All: 118.892+/-0.023 χ^2/NDF: 1114349.0/112



Right In: -224.002+/-0.832 χ^2/NDF: 4931.7/30

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -222.740+/-0.803 χ^2/NDF: 8640.1/33

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

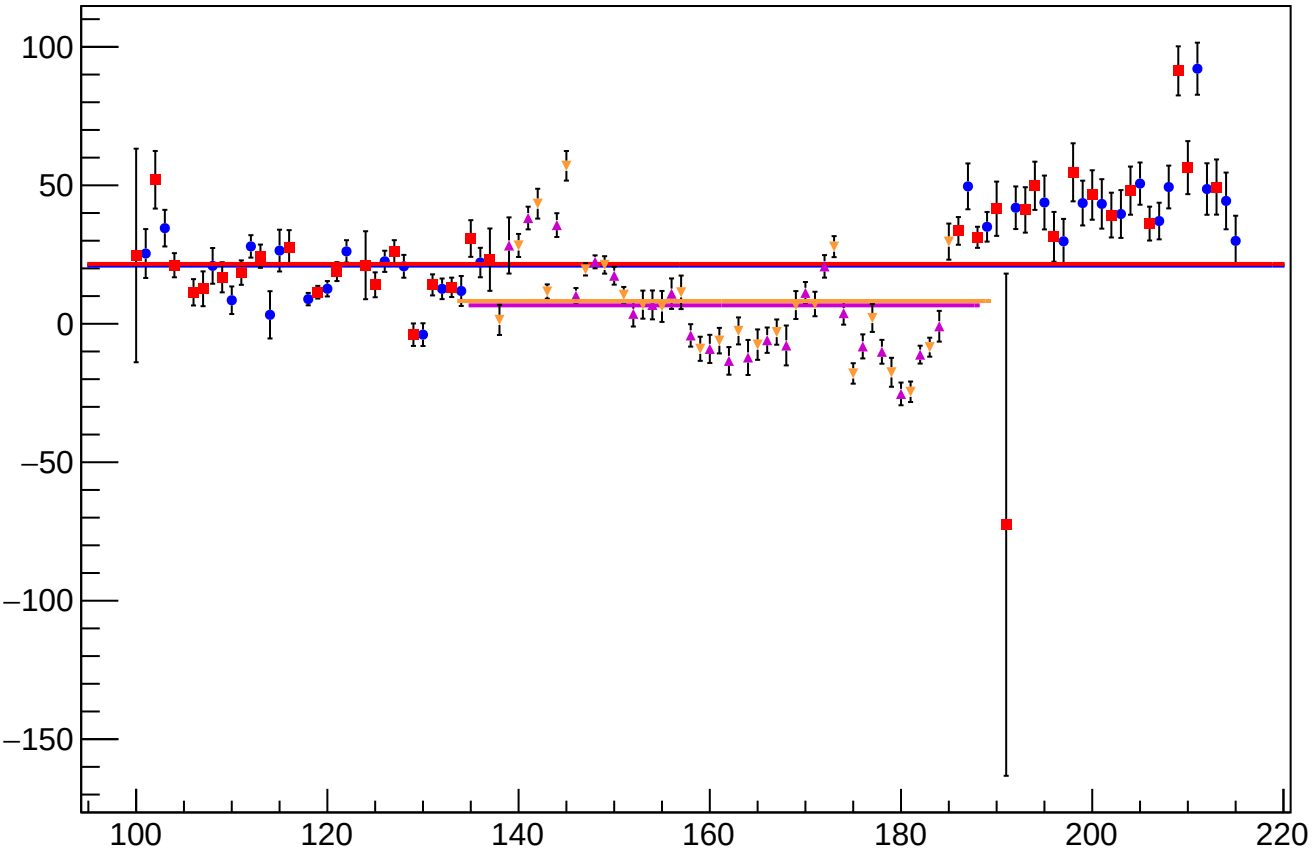
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -223.349+/-0.578 χ^2/NDF: 13572.9/64

In: -234.094+/-0.670 χ^2/NDF:8264.6/53

Out: -226.356+/-0.643 χ^2/NDF:14460.4/58

All: -230.063+/-0.464 χ^2/NDF: 22794.5/112



Right In: 21.013+/-0.934 χ^2/NDF: 261.6/30

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.612+/-0.913 χ^2/NDF: 248.6/33

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

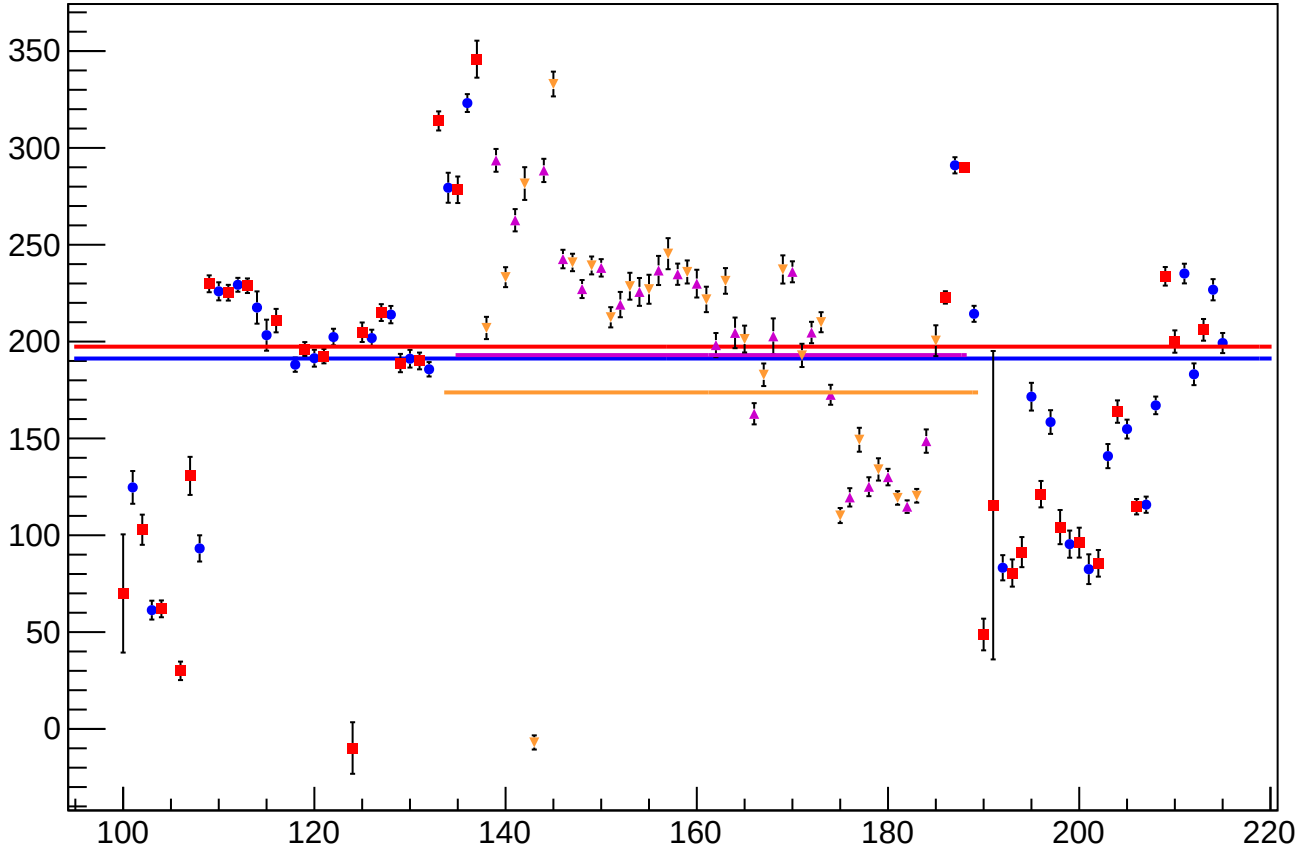
Right: 21.320+/-0.653 χ^2/NDF: 510.4/64

In: 13.229+/-0.632 χ^2/NDF:744.5/53

Out: 14.065+/-0.603 χ^2/NDF:827.9/58

All: 13.667+/-0.436 χ^2/NDF: 1573.3/112

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 191.259+/-0.899 χ^2/NDF: 4050.2/30

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.383+/-0.851 χ^2/NDF: 7612.0/33

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

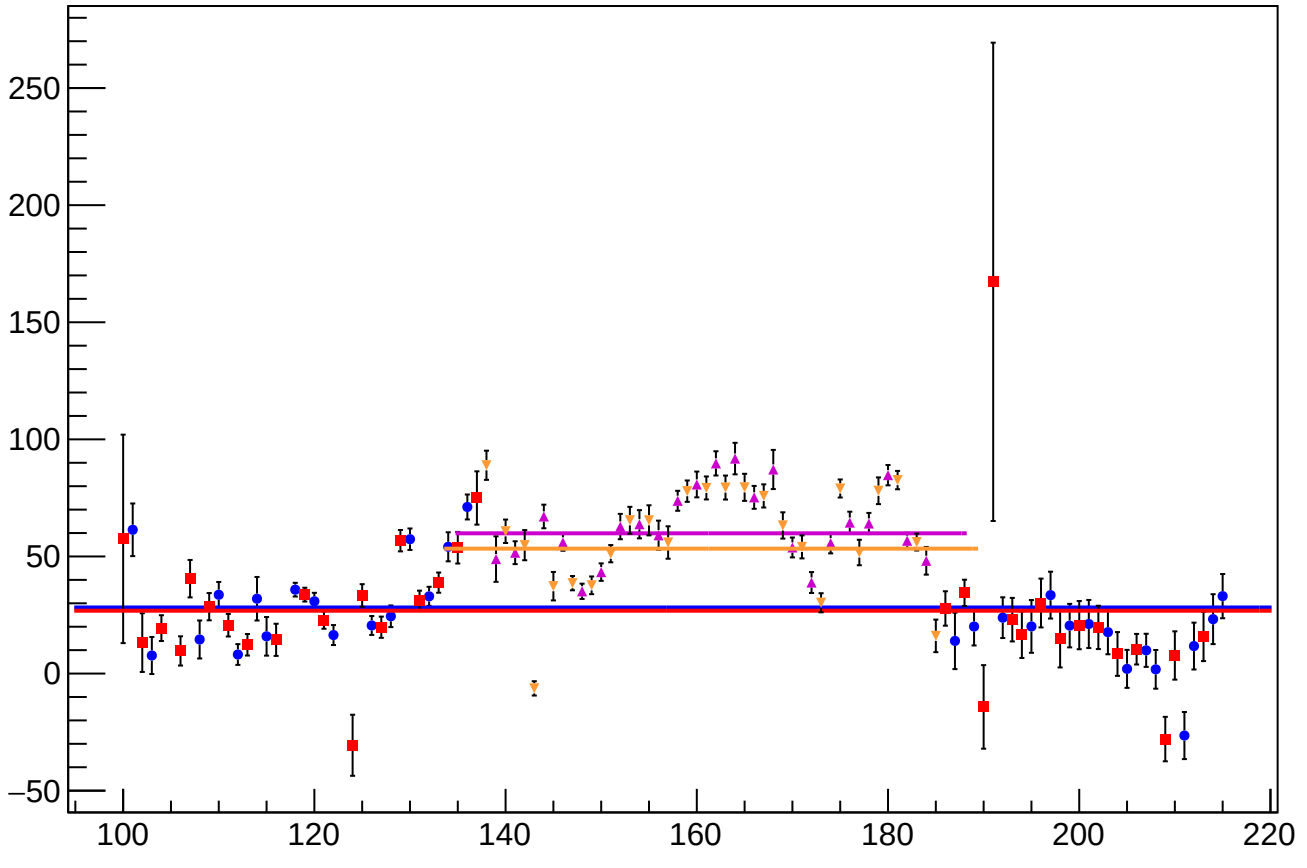
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.490+/-0.618 χ^2/NDF: 11686.7/64

In: 191.950+/-0.702 χ^2/NDF:6563.7/53

Out: 188.215+/-0.666 χ^2/NDF:13172.0/58

All: 189.984+/-0.483 χ^2/NDF: 19750.7/112



Right In: 28.214+/-1.084 χ^2/NDF: 251.6/30

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.836+/-1.069 χ^2/NDF: 205.3/33

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

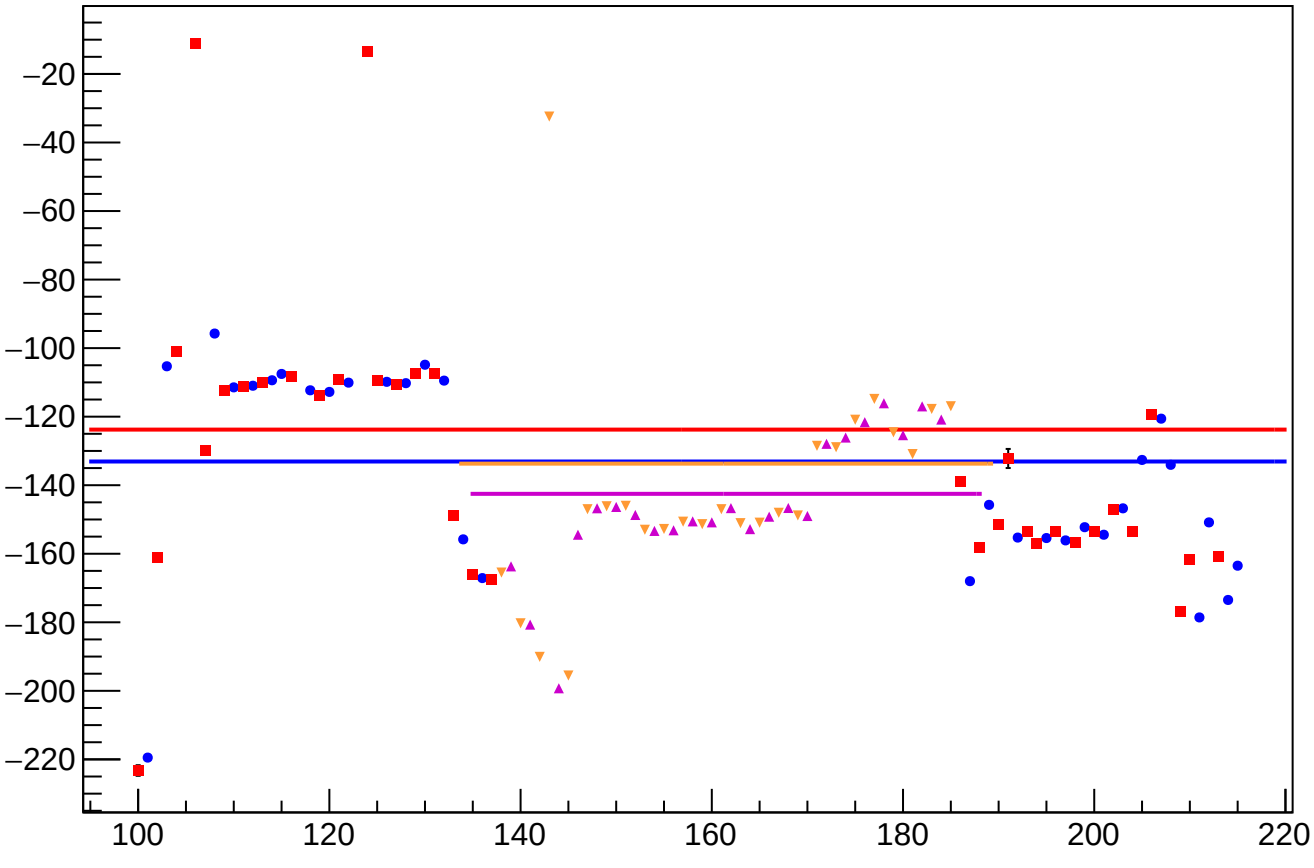
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.515+/-0.761 χ^2/NDF: 457.7/64

In: 45.693+/-0.726 χ^2/NDF:973.9/53

Out: 42.035+/-0.698 χ^2/NDF:1336.6/58

All: 43.793+/-0.503 χ^2/NDF: 2323.6/112



Right In: -133.083+/-0.059 χ^2/NDF: 195249.0/30

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -123.774+/-0.058 χ^2/NDF: 522565.3/33

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

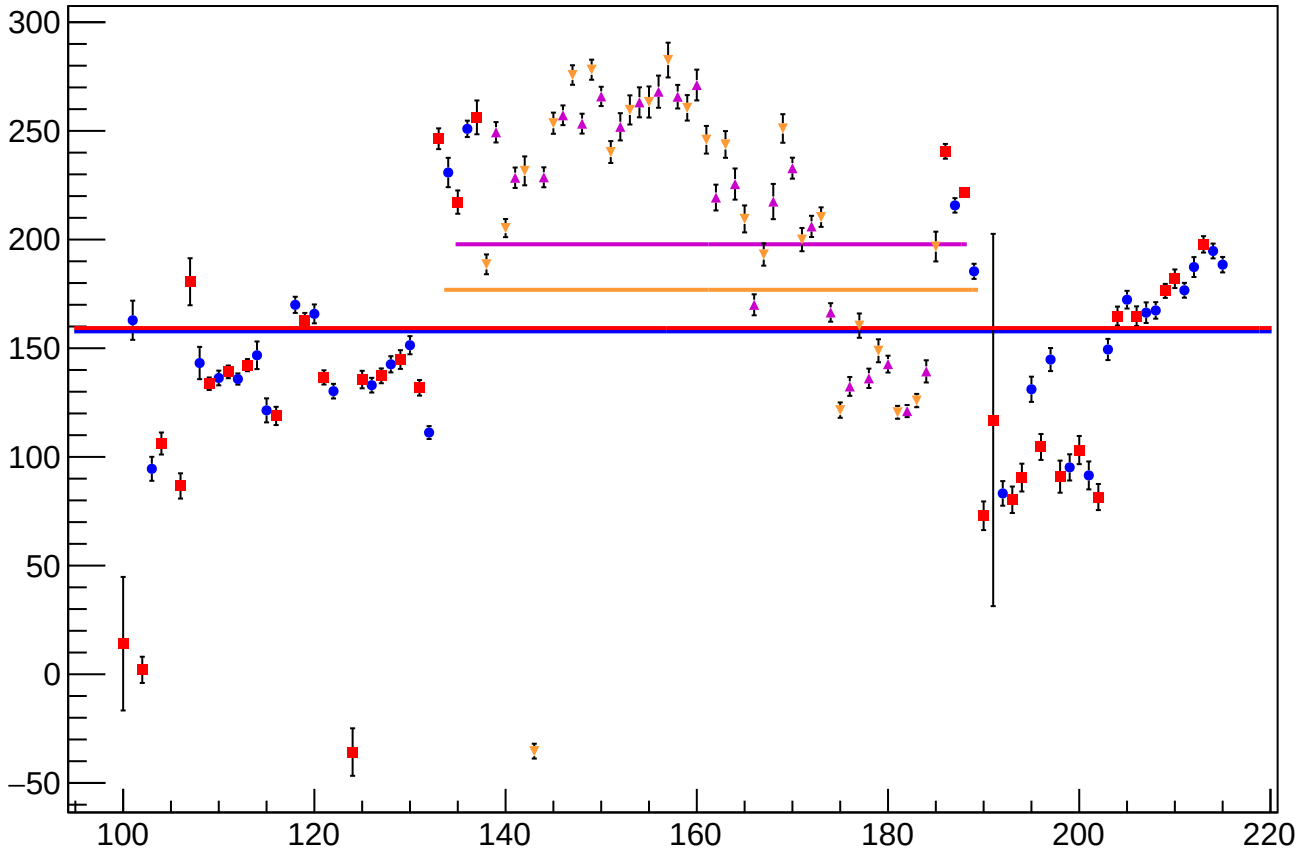
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -128.277+/-0.041 χ^2/NDF: 730458.5/64

In: -139.140+/-0.036 χ^2/NDF:389885.5/53

Out: -130.170+/-0.034 χ^2/NDF:1217658.8/58

All: -134.498+/-0.025 χ^2/NDF: 1640425.3/11



Right In: 157.762+/-0.740 χ^2/NDF: 2489.2/30

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 159.295+/-0.710 χ^2/NDF: 5180.5/33

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

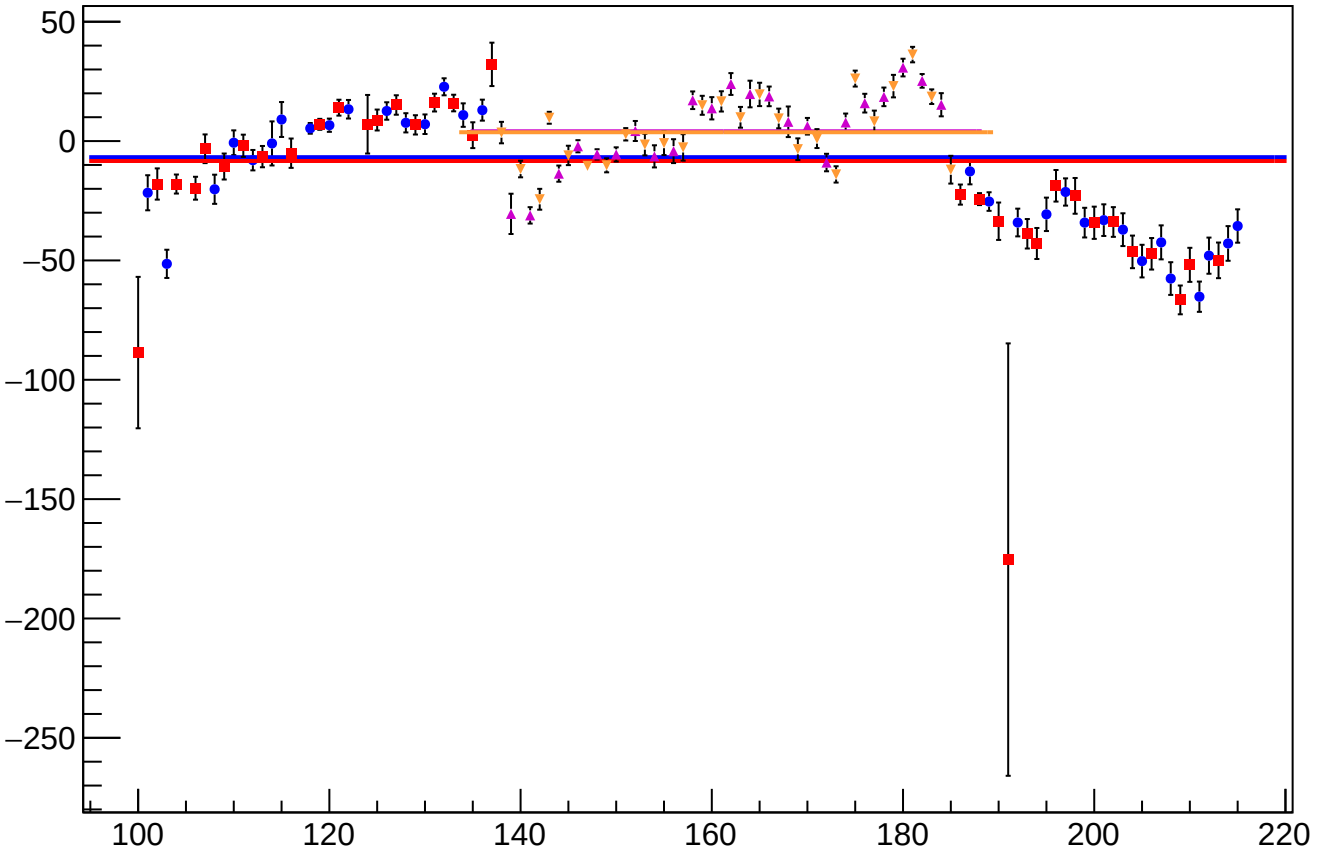
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 158.559+/-0.512 χ^2/NDF: 7671.9/64

In: 171.816+/-0.596 χ^2/NDF:6486.7/53

Out: 165.538+/-0.570 χ^2/NDF:12822.9/58

All: 168.540+/-0.412 χ^2/NDF: 19367.5/112



Right In: -6.740+/-0.859 χ^2/NDF: 701.6/30

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -8.341+/-0.829 χ^2/NDF: 676.3/33

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

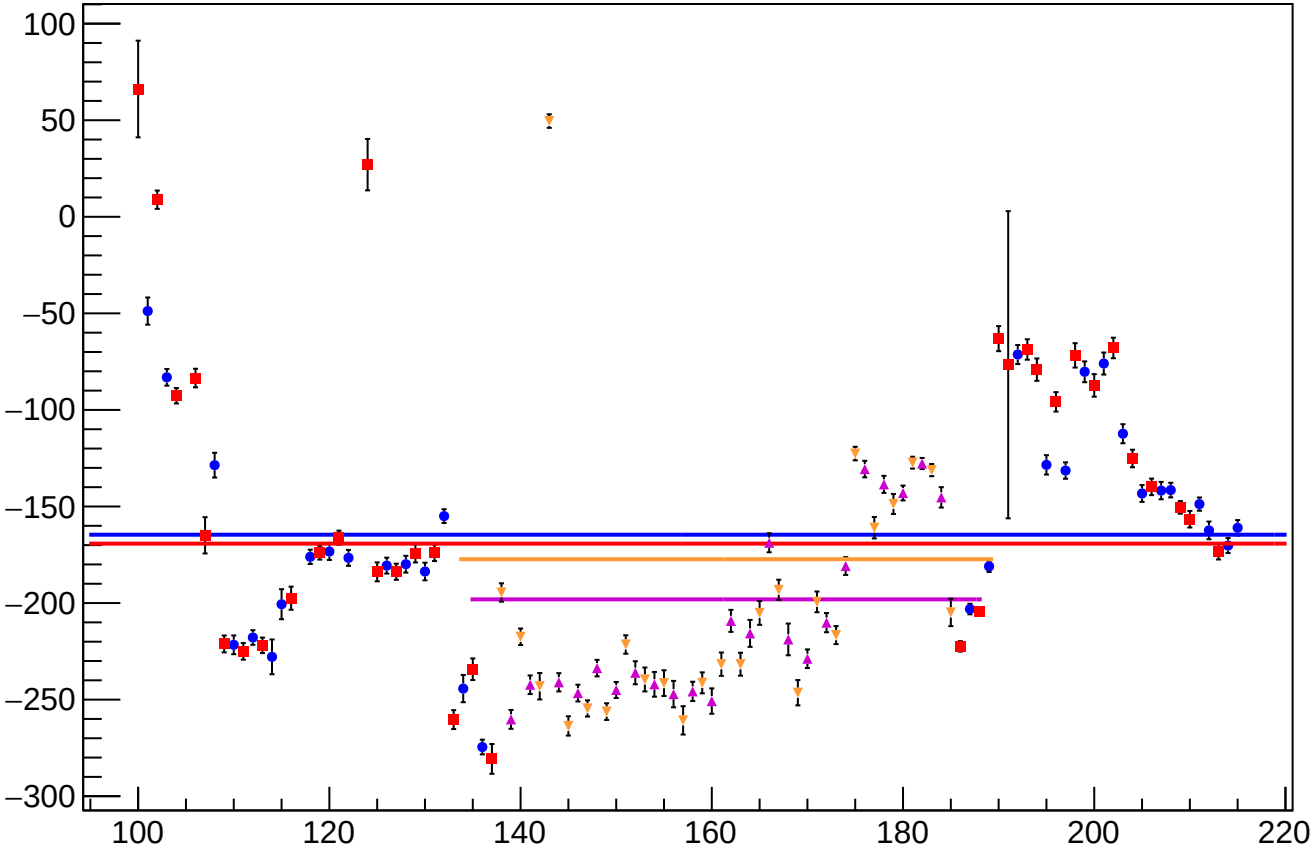
Right: -7.570+/-0.596 χ^2/NDF: 1379.7/64

In: -0.719+/-0.573 χ^2/NDF:1189.0/53

Out: -1.504+/-0.545 χ^2/NDF:1197.3/58

All: -1.131+/-0.395 χ^2/NDF: 2387.2/112

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -164.608+/-0.772 χ^2/NDF: 3508.6/30

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -169.223+/-0.714 χ^2/NDF: 6693.5/33

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

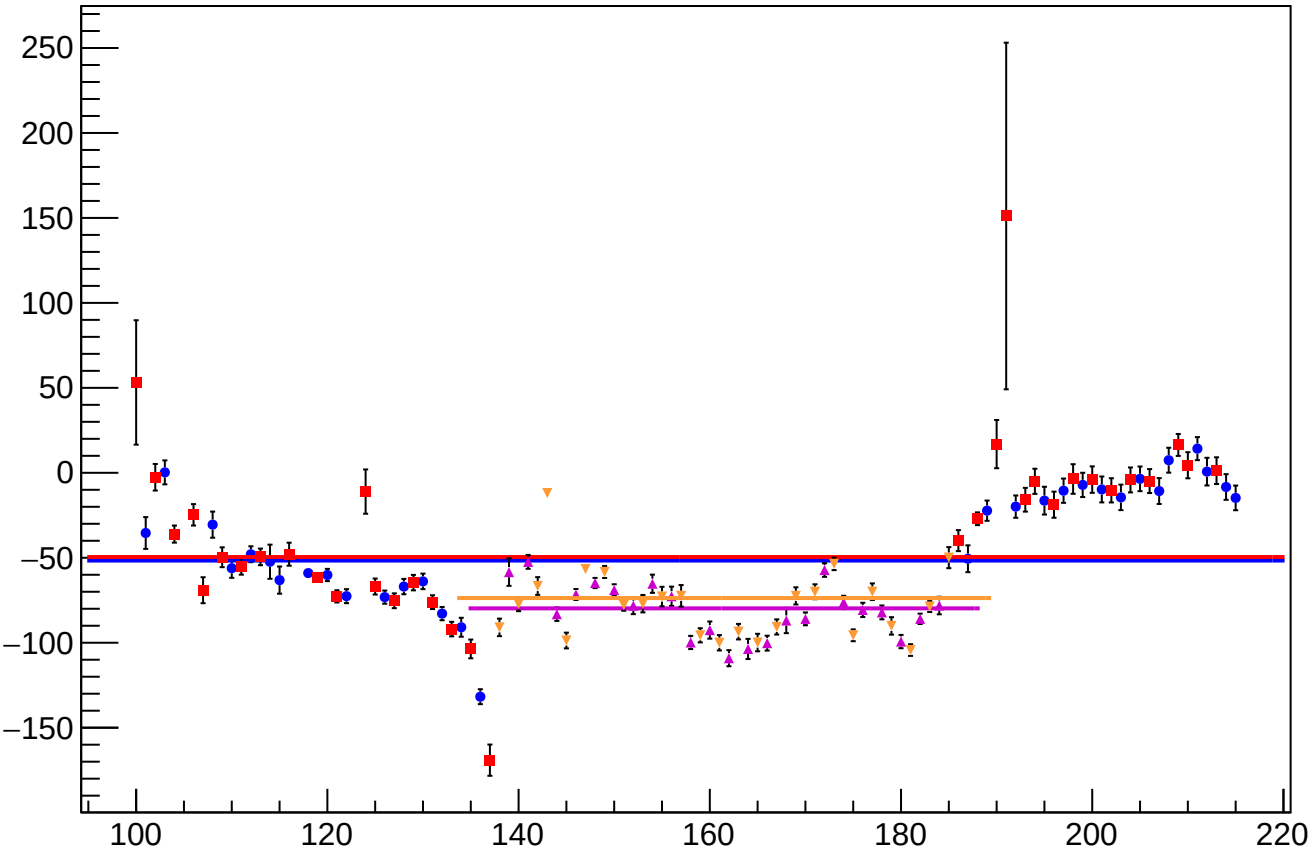
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -167.094+/-0.524 χ^2/NDF: 10221.4/64

In: -177.102+/-0.611 χ^2/NDF:6597.3/53

Out: -172.109+/-0.572 χ^2/NDF:13779.1/58

All: -174.442+/-0.418 χ^2/NDF: 20412.0/112



Right In: -51.629+/-0.999 χ^2/NDF: 1124.6/30

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -49.573+/-0.982 χ^2/NDF: 1112.4/33

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

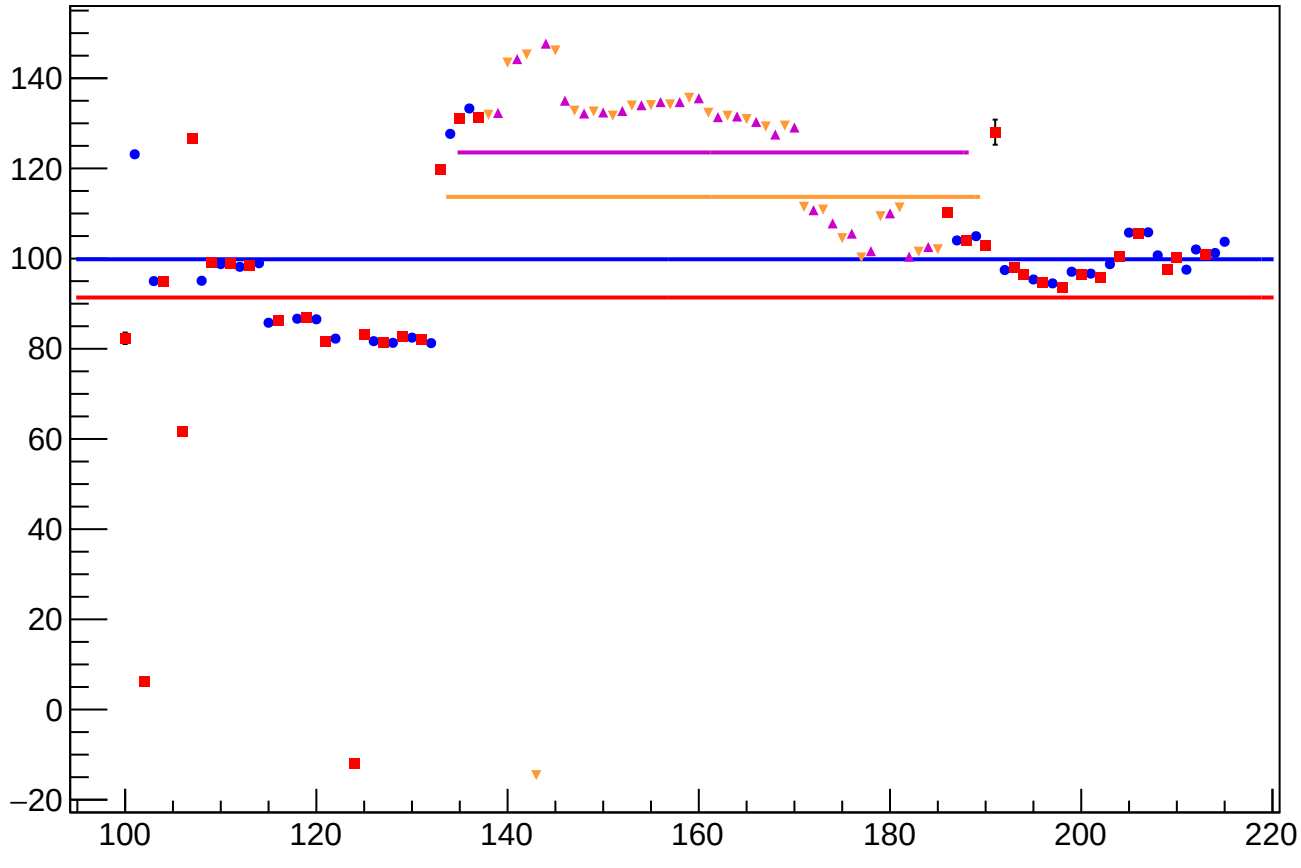
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -50.583+/-0.700 χ^2/NDF: 2239.2/64

In: -67.577+/-0.658 χ^2/NDF:1851.3/53

Out: -63.663+/-0.633 χ^2/NDF:2304.8/58

All: -65.546+/-0.456 χ^2/NDF: 4174.5/112



Right In: 99.853+/-0.052 χ^2/NDF: 70251.5/30

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.372+/-0.049 χ^2/NDF: 289470.2/33

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

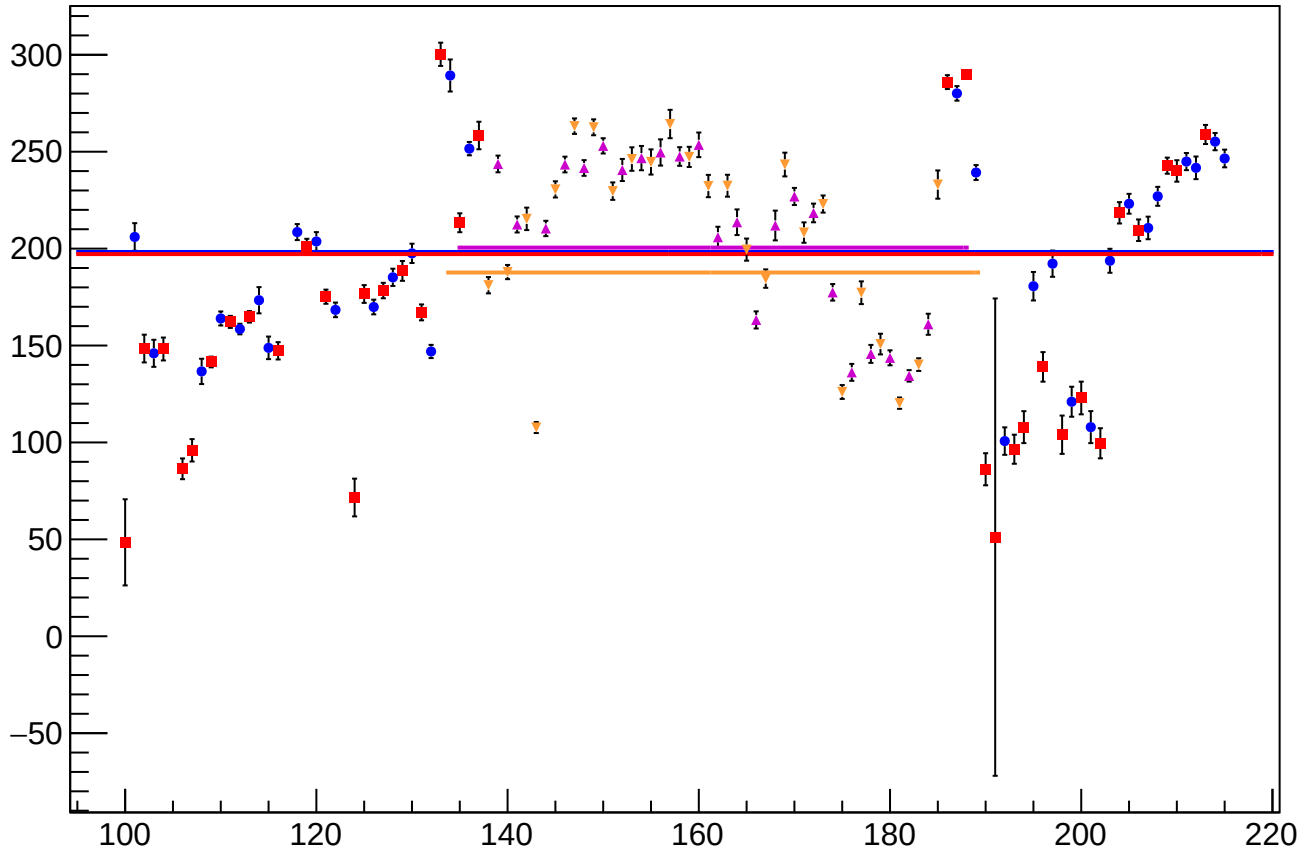
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

Right: 95.424+/-0.036 χ^2/NDF: 373883.2/64

In: 114.734+/-0.031 χ^2/NDF:337717.0/53

Out: 105.264+/-0.030 χ^2/NDF:1380367.9/58

All: 109.825+/-0.022 χ^2/NDF: 1765236.0/112



Right In: 198.254+/-0.849 χ^2/NDF: 2766.5/30

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 197.179+/-0.792 χ^2/NDF: 6371.3/33

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

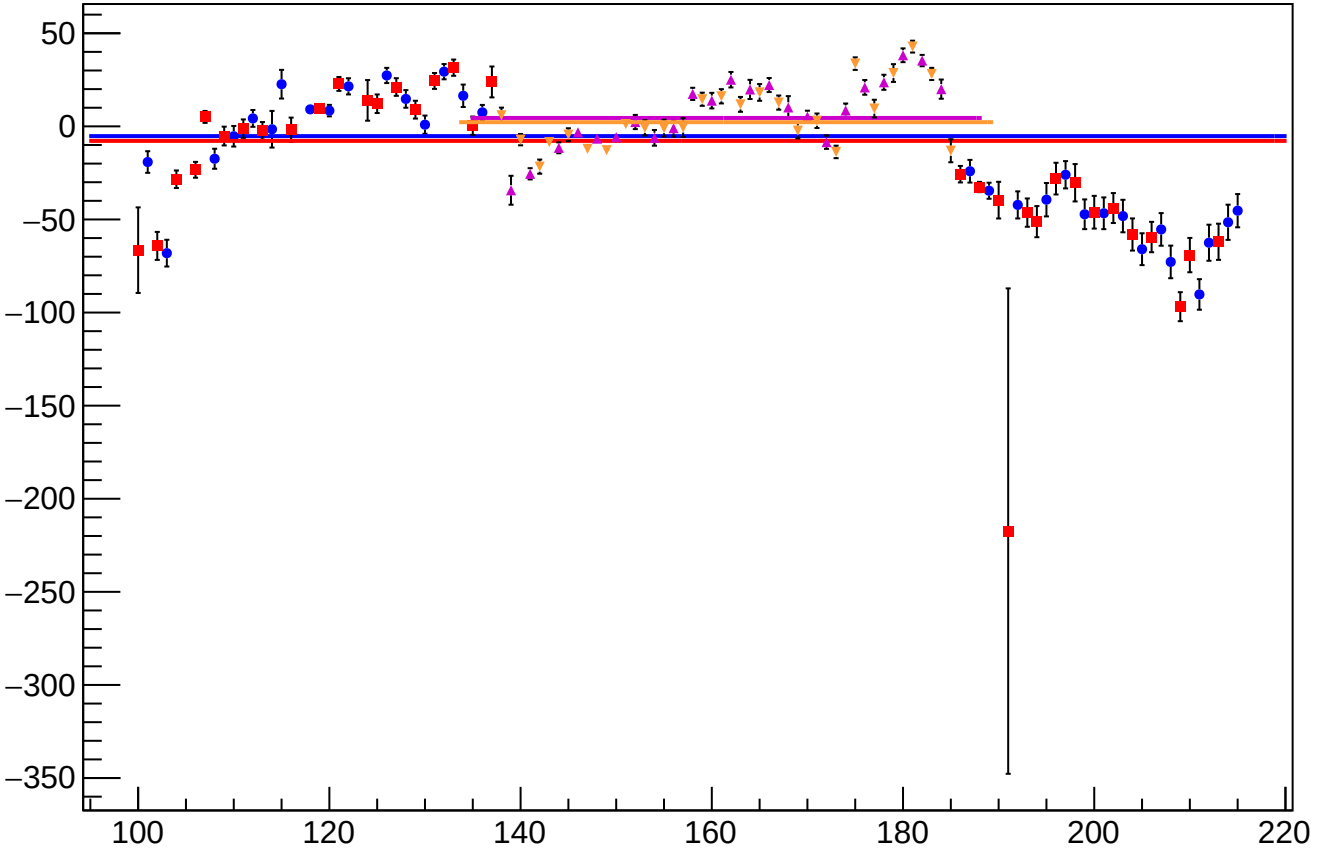
Right: 197.679+/-0.579 χ^2/NDF: 9138.6/64

In: 199.254+/-0.635 χ^2/NDF:4881.1/53

Out: 193.022+/-0.594 χ^2/NDF:9962.6/58

All: 195.932+/-0.434 χ^2/NDF: 14895.1/112

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.245+/-0.967 χ^2/NDF: 881.8/30

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -7.800+/-0.902 χ^2/NDF: 946.2/33

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

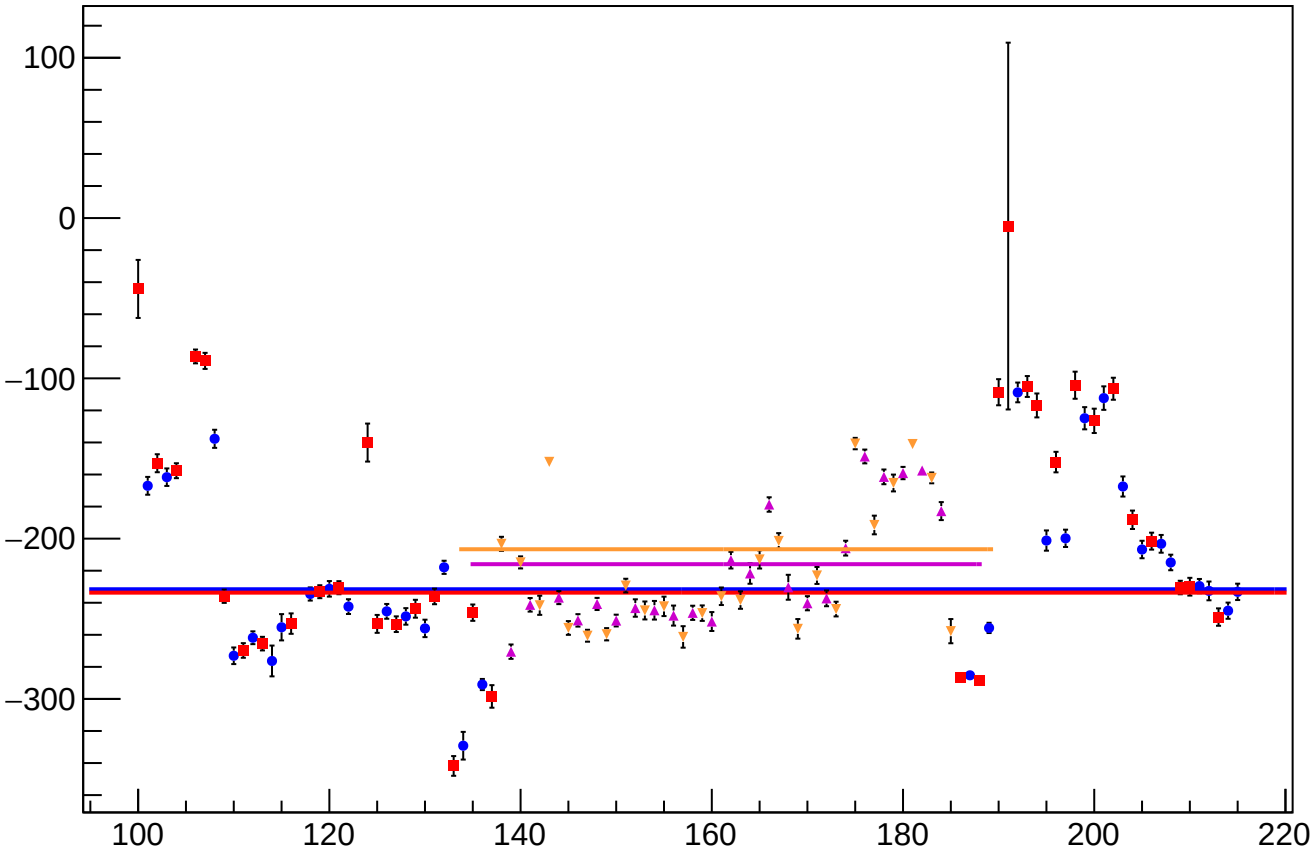
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

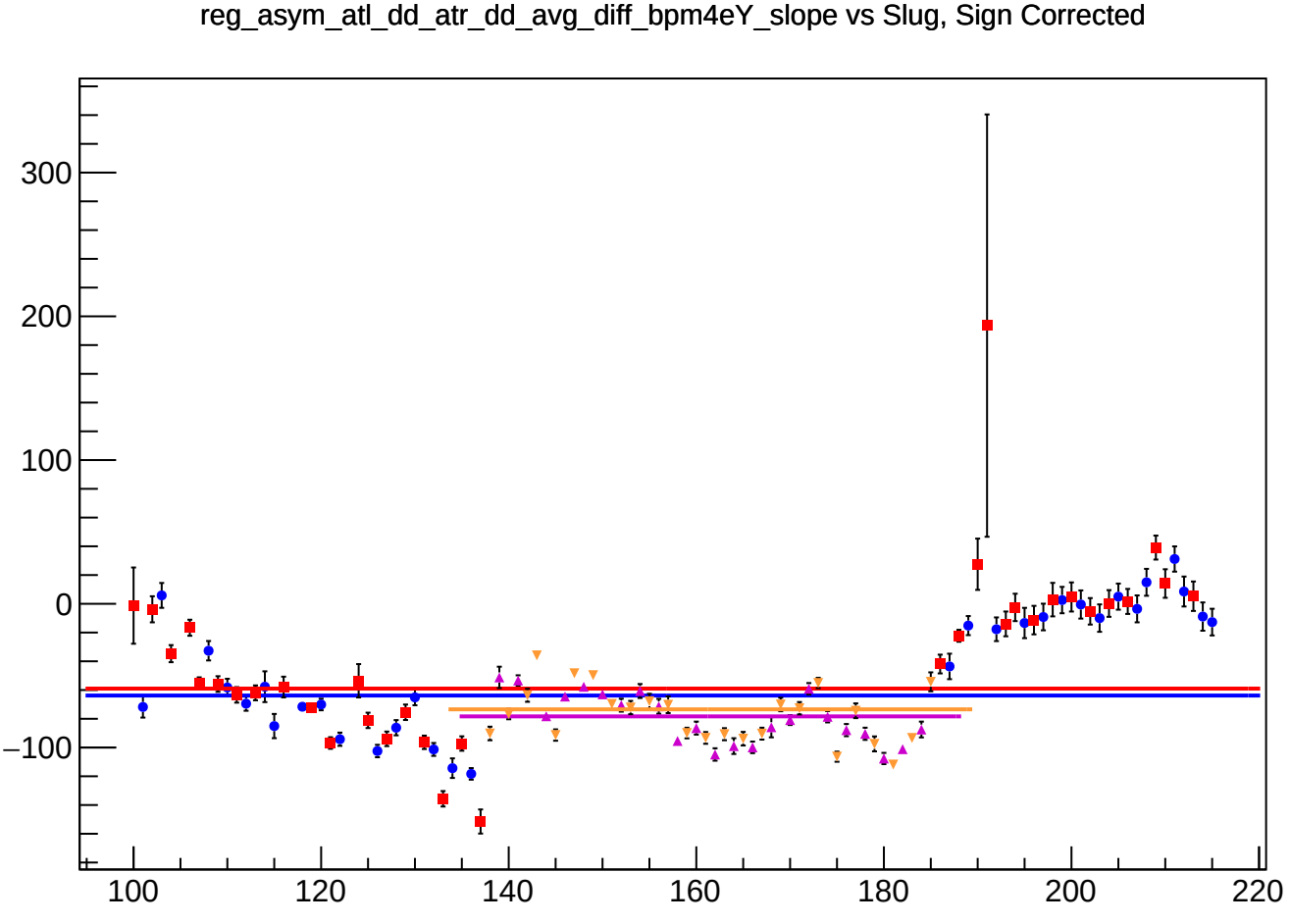
Right: -6.612+/-0.659 χ^2/NDF: 1831.8/64

In: 1.070+/-0.574 χ^2/NDF:1494.8/53

Out: -1.291+/-0.535 χ^2/NDF:1627.5/58

All: -0.195+/-0.392 χ^2/NDF: 3131.3/112


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
220
Right In: -231.578+/-0.889 χ²/NDF: 2690.7/30
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -233.692+/-0.800 χ²/NDF: 6668.3/33
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -232.747+/-0.595 χ²/NDF: 9362.0/64
In: -224.243+/-0.648 χ²/NDF:4547.7/53
Out: -221.669+/-0.596 χ²/NDF:9645.1/58
All: -222.849+/-0.439 χ²/NDF: 14201.3/112



Right In: -63.820+/-1.127 χ^2/NDF: 1224.9/30

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -58.994+/-1.073 χ^2/NDF: 1362.8/33

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

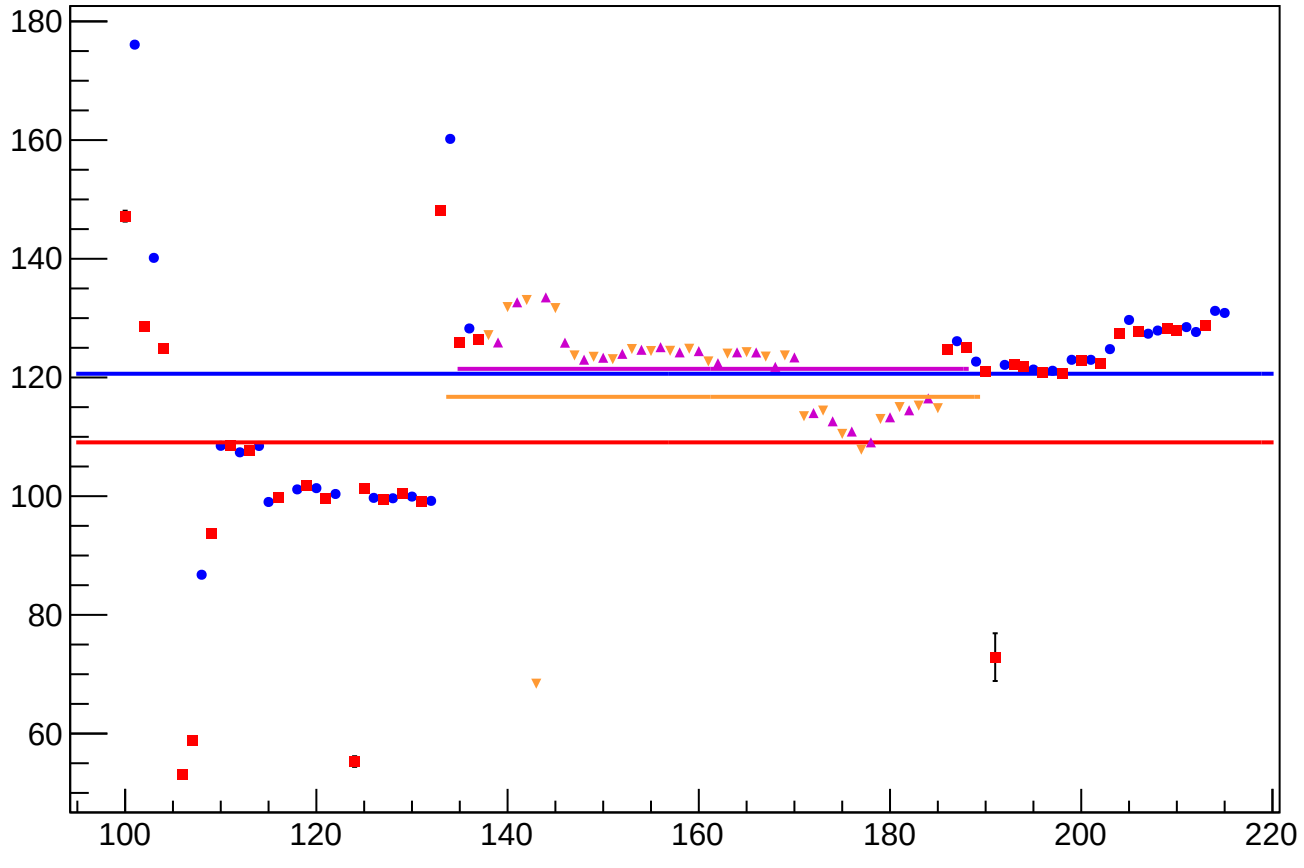
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -61.289+/-0.777 χ^2/NDF: 2597.4/64

In: -73.329+/-0.662 χ^2/NDF:1776.7/53

Out: -68.548+/-0.624 χ^2/NDF:2319.1/58

All: -70.799+/-0.454 χ^2/NDF: 4123.4/112



Right In: 120.628+/-0.059 χ^2/NDF: 99899.4/30

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.066+/-0.055 χ^2/NDF: 213683.9/33

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

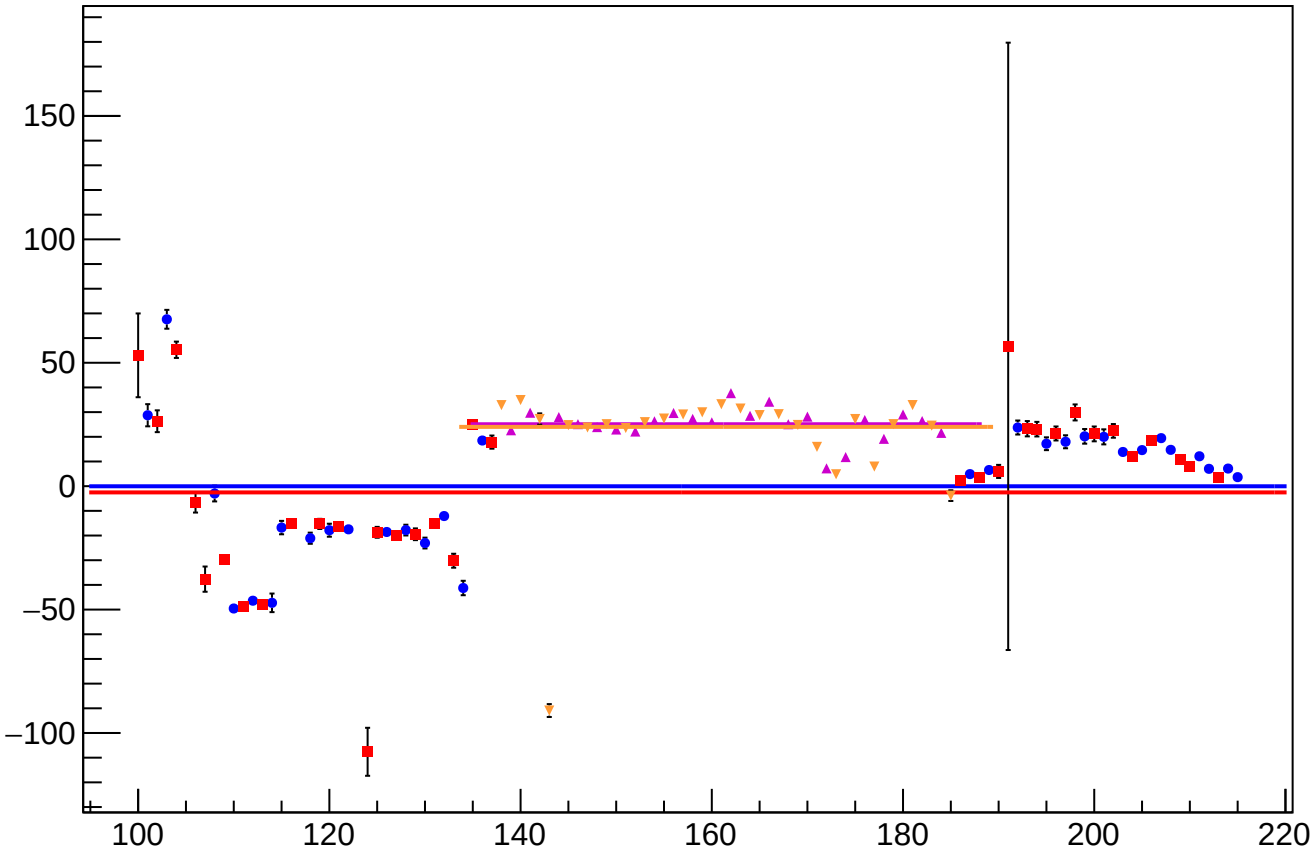
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.408+/-0.040 χ^2/NDF: 334084.1/64

In: 121.221+/-0.032 χ^2/NDF:128835.4/53

Out: 114.449+/-0.030 χ^2/NDF:431045.2/58

All: 117.664+/-0.022 χ^2/NDF: 584084.2/112



Right In: -0.042+/-0.355 χ^2/NDF: 3711.0/30

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -2.526+/-0.353 χ^2/NDF: 3889.2/33

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

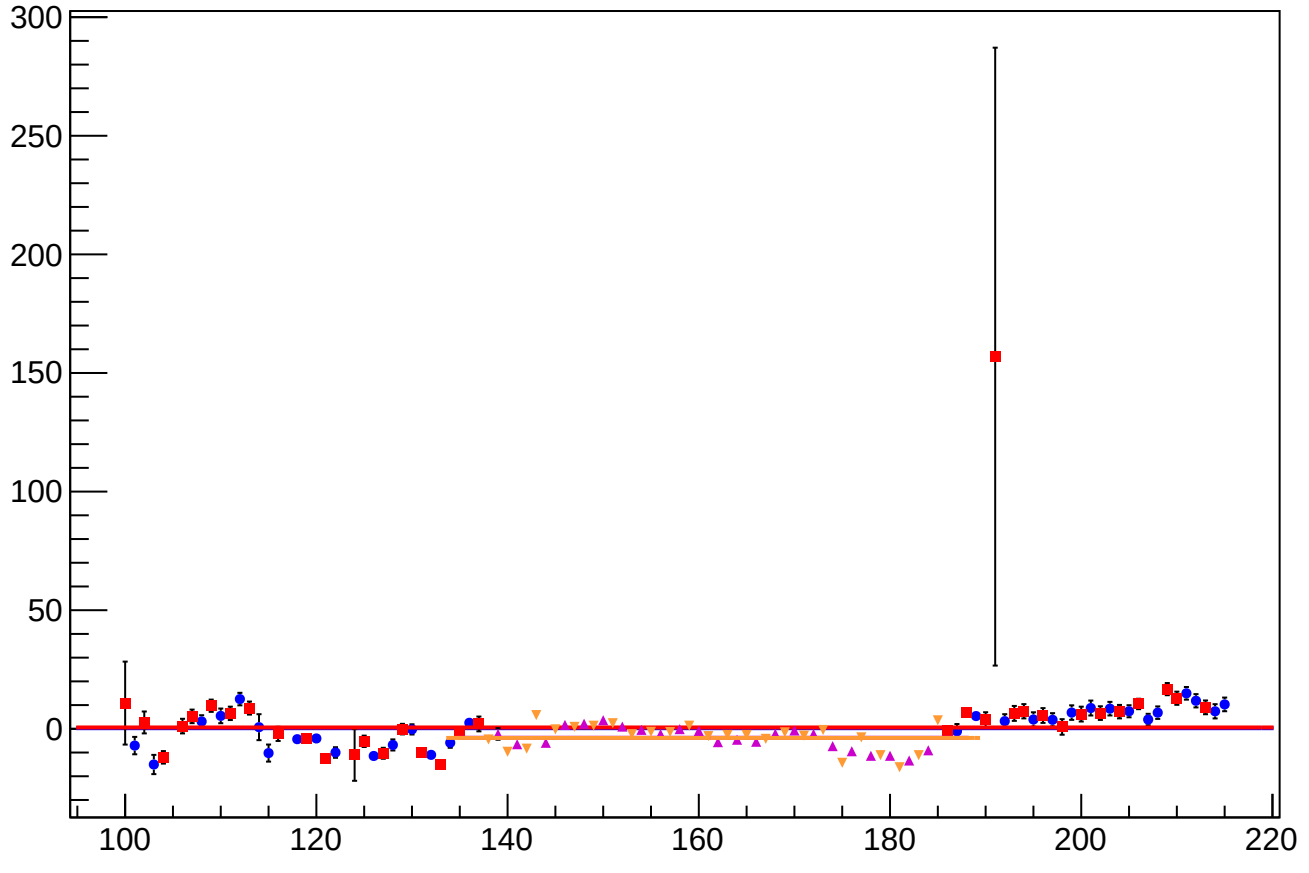
Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

Right: -1.291+/-0.251 χ^2/NDF: 7624.8/64

In: 15.158+/-0.223 χ^2/NDF:7231.7/53

Out: 13.689+/-0.220 χ^2/NDF:10142.1/58

All: 14.413+/-0.157 χ^2/NDF: 17395.8/112



Right In: 0.265+/-0.436 χ^2/NDF: 286.5/30

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.567+/-0.428 χ^2/NDF: 355.3/33

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

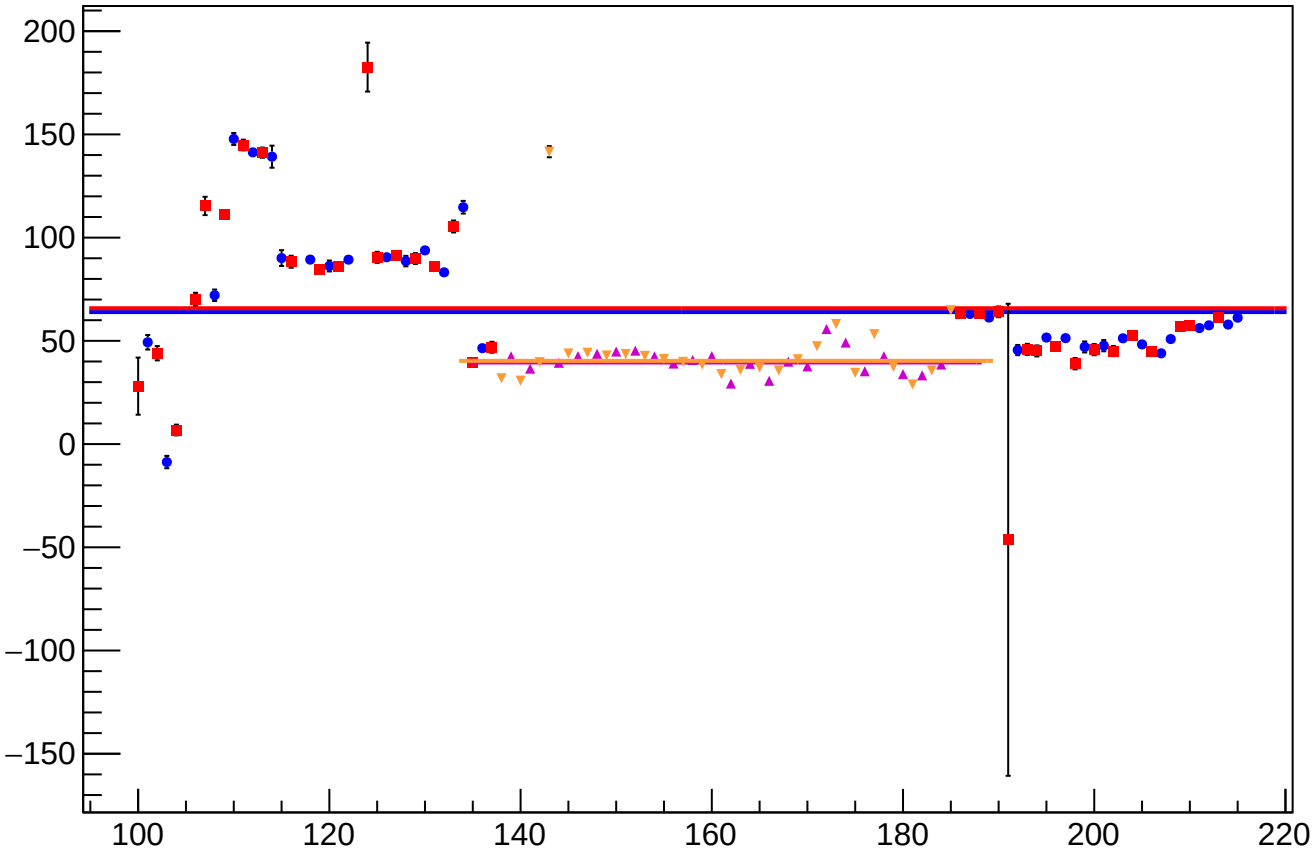
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.419+/-0.305 χ^2/NDF: 642.1/64

In: -2.937+/-0.199 χ^2/NDF:864.5/53

Out: -2.936+/-0.194 χ^2/NDF:1089.2/58

All: -2.937+/-0.139 χ^2/NDF: 1953.7/112



Right In: 63.936+/-0.367 χ^2/NDF: 4678.2/30

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 65.795+/-0.352 χ^2/NDF: 4834.1/33

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

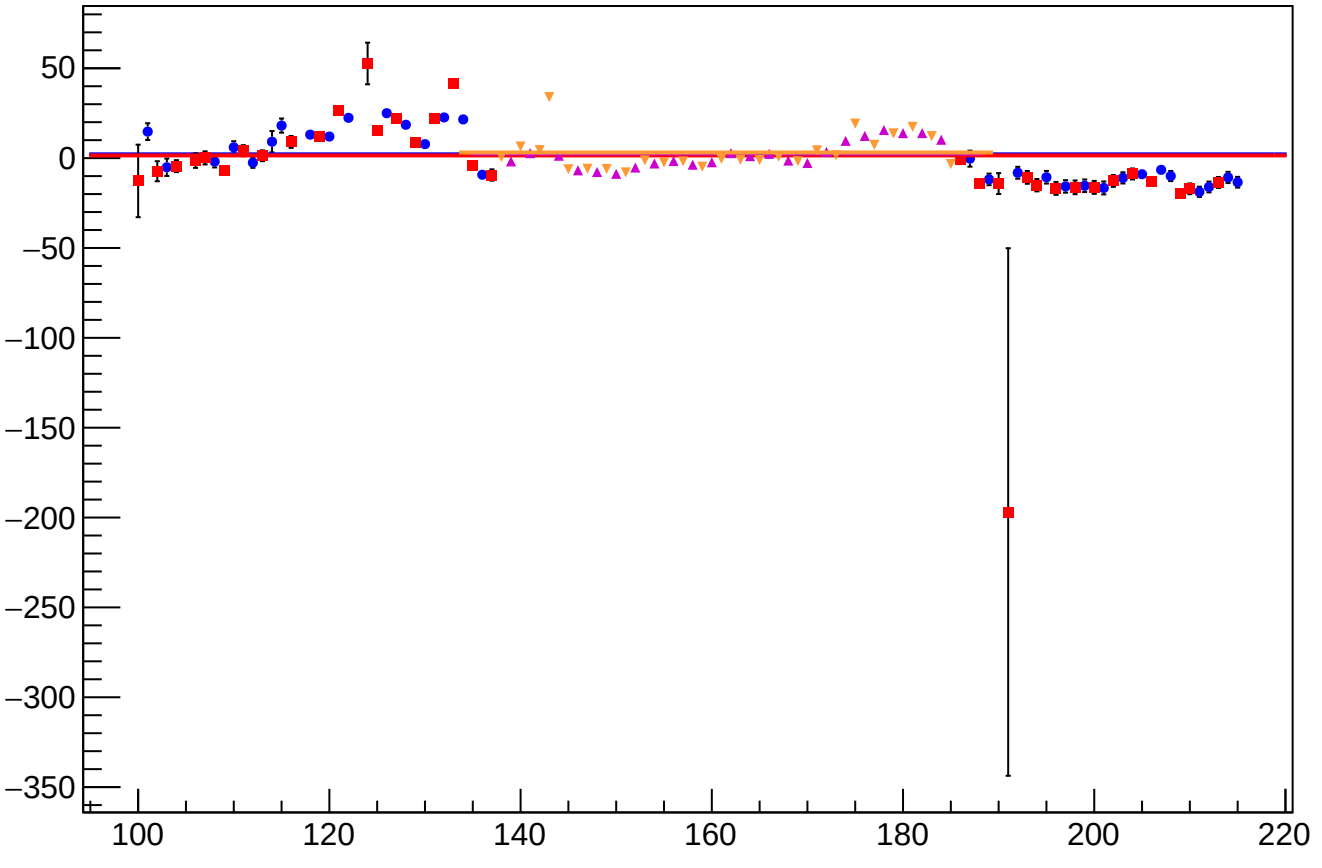
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.903+/-0.254 χ^2/NDF: 9525.8/64

In: 48.696+/-0.225 χ^2/NDF:7880.6/53

Out: 50.185+/-0.219 χ^2/NDF:10221.1/58

All: 49.459+/-0.157 χ^2/NDF: 18124.2/112



Right In: 2.112+/-0.496 χ^2/NDF: 850.3/30

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 1.516+/-0.501 χ^2/NDF: 1026.2/33

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

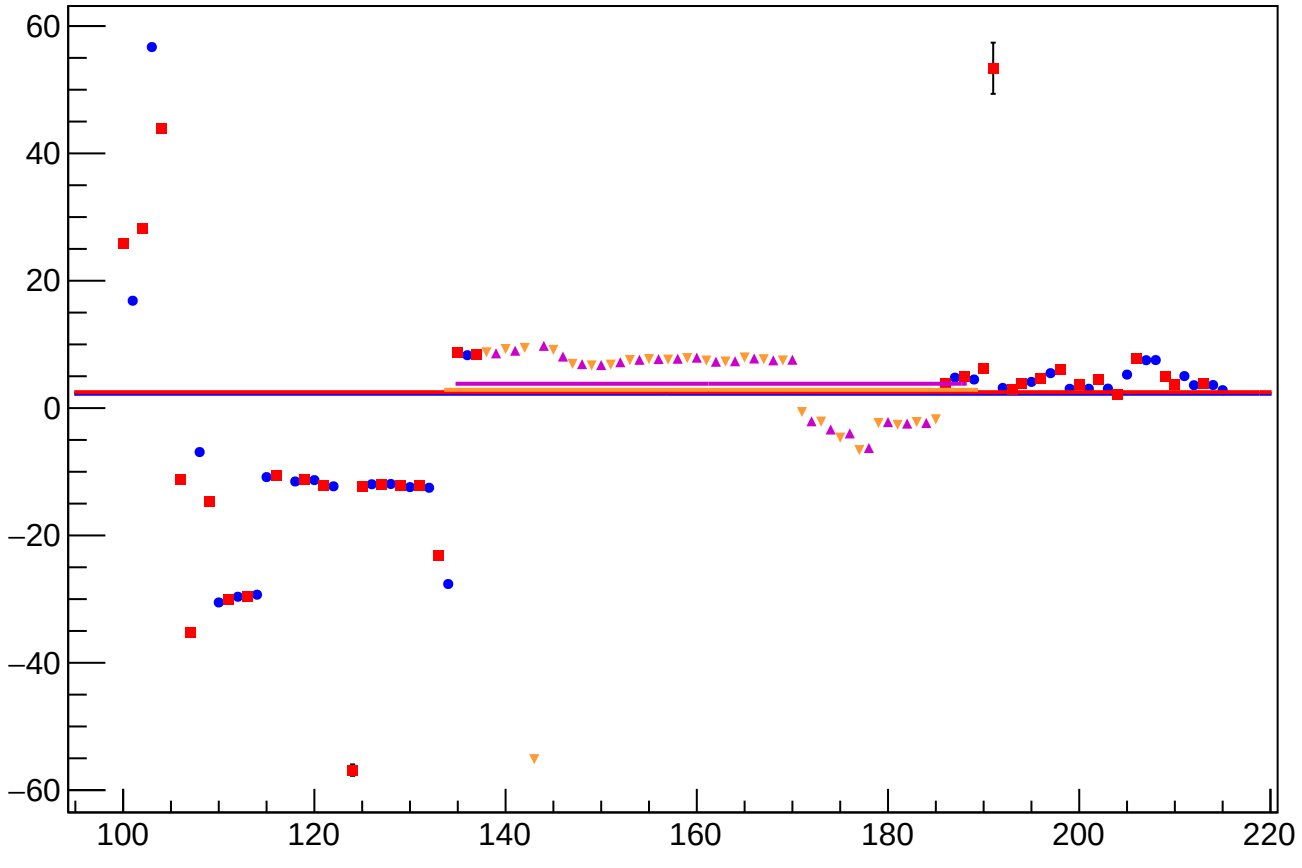
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.817+/-0.352 χ^2/NDF: 1877.2/64

In: 2.436+/-0.224 χ^2/NDF:1819.0/53

Out: 2.827+/-0.220 χ^2/NDF:2301.7/58

All: 2.635+/-0.157 χ^2/NDF: 4122.3/112



Right In: 2.252+/-0.024 χ^2/NDF: 383014.4/30

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.499+/-0.024 χ^2/NDF: 330756.2/33

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

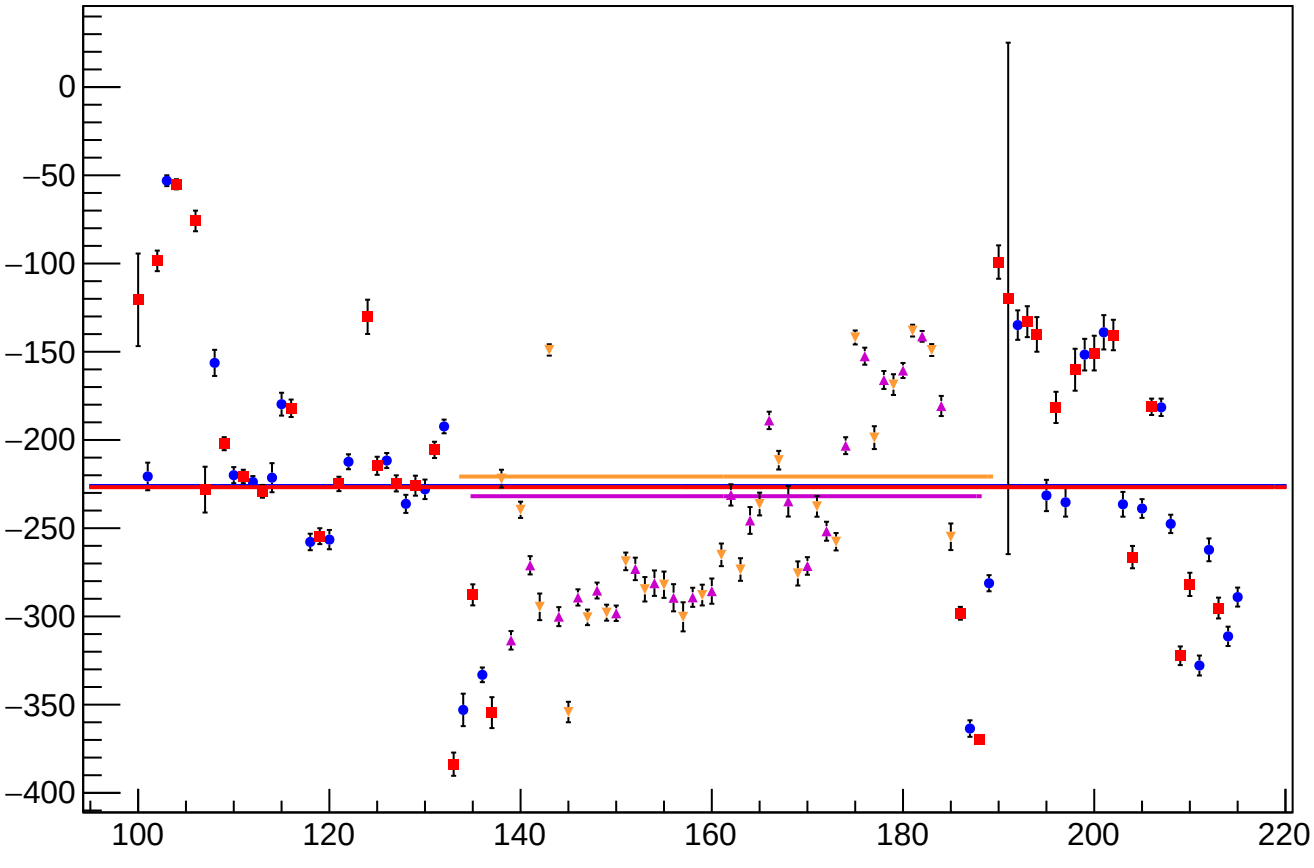
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.374+/-0.017 χ^2/NDF: 713824.8/64

In: 3.539+/-0.010 χ^2/NDF:619886.1/53

Out: 2.805+/-0.010 χ^2/NDF:843285.5/58

All: 3.170+/-0.007 χ^2/NDF: 1465857.2/112



Right In: -226.090+/-0.942 χ^2/NDF: 6471.9/30

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -226.750+/-0.889 χ^2/NDF: 10825.8/33

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

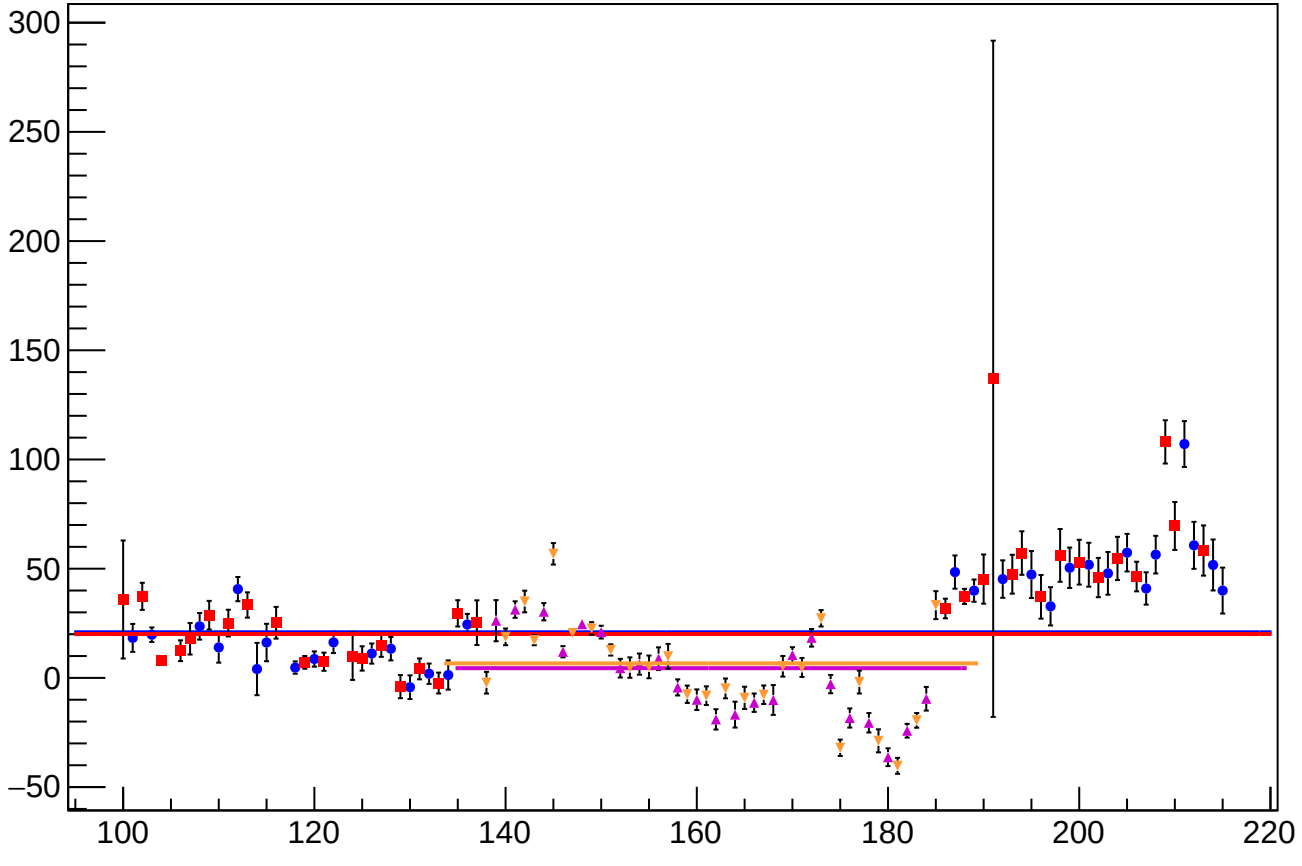
Right: -226.439+/-0.646 χ^2/NDF: 17297.9/64

In: -228.594+/-0.709 χ^2/NDF:9648.5/53

Out: -224.144+/-0.669 χ^2/NDF:14897.9/58

All: -226.242+/-0.487 χ^2/NDF: 24567.3/112

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 20.868+/-1.058 χ^2/NDF: 320.0/30

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 20.080+/-0.973 χ^2/NDF: 366.8/33

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

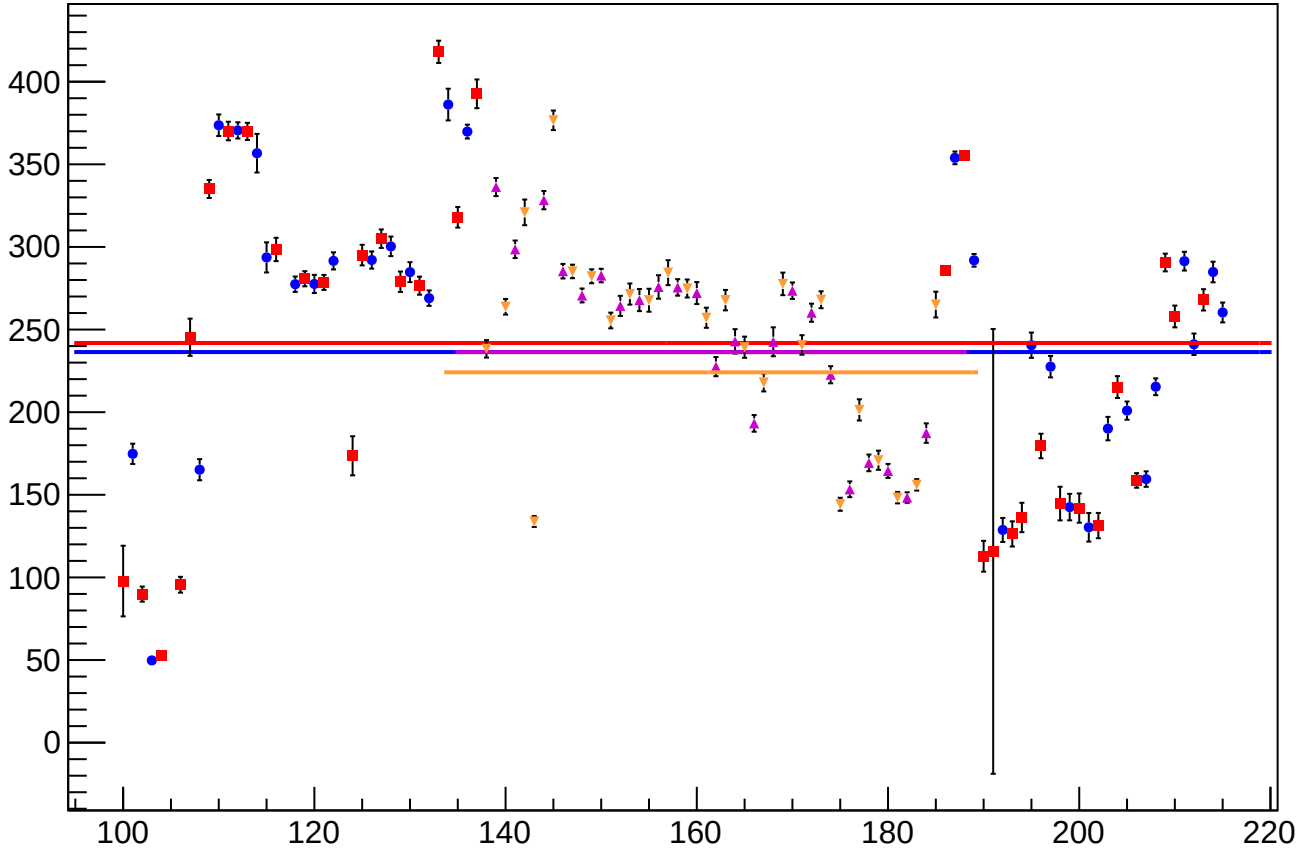
Right: 20.441+/-0.716 χ^2/NDF: 687.1/64

In: 10.488+/-0.642 χ^2/NDF:1039.3/53

Out: 11.669+/-0.595 χ^2/NDF:1221.1/58

All: 11.123+/-0.436 χ^2/NDF: 2262.3/112

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 236.388+/-0.954 χ^2/NDF: 11594.2/30

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 241.850+/-0.870 χ^2/NDF: 17078.5/33

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

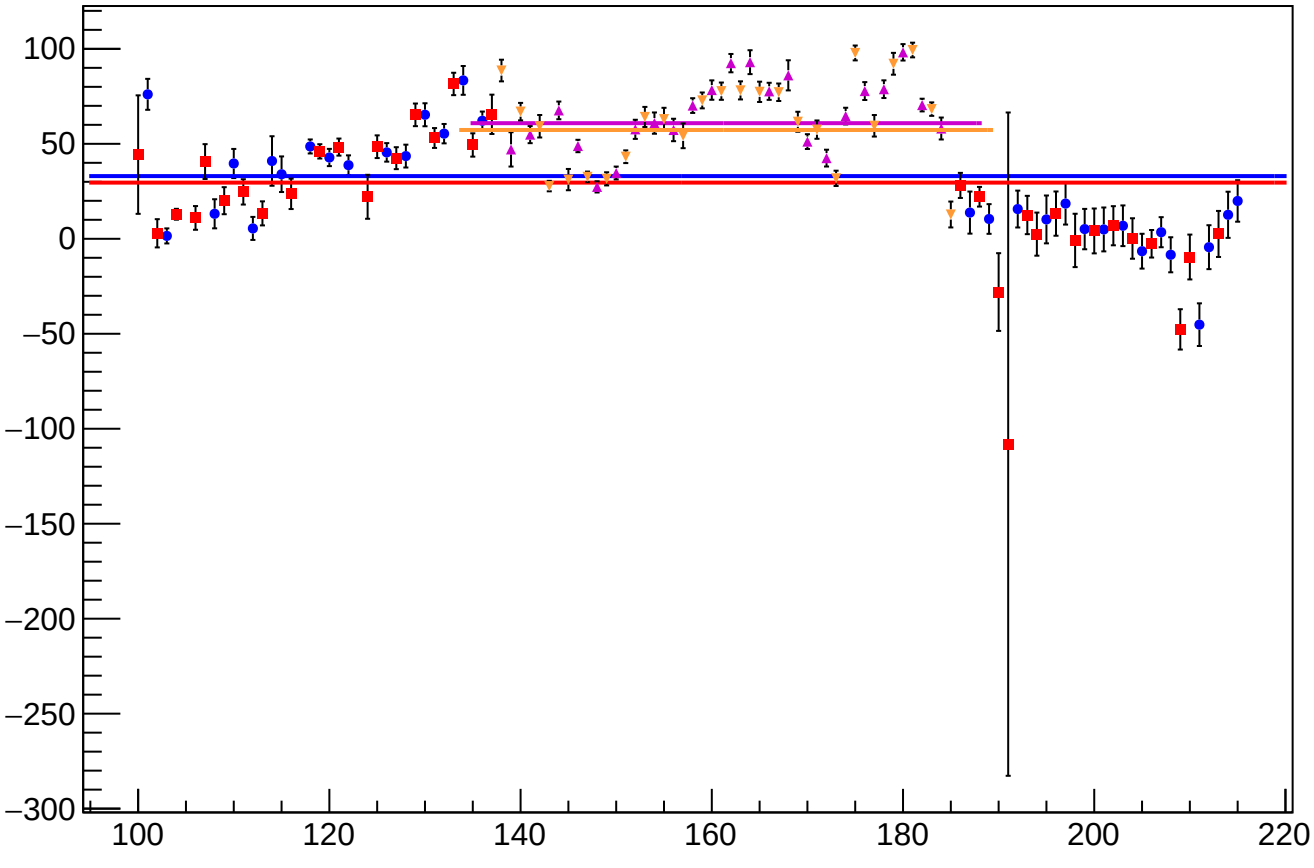
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 239.370+/-0.643 χ^2/NDF: 28690.6/64

In: 236.368+/-0.711 χ^2/NDF:14587.1/53

Out: 234.334+/-0.660 χ^2/NDF:21221.3/58

All: 235.275+/-0.484 χ^2/NDF: 35812.8/112



Right In: 33.011+/-1.234 χ^2/NDF: 435.0/30

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 29.578+/-1.165 χ^2/NDF: 406.4/33

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

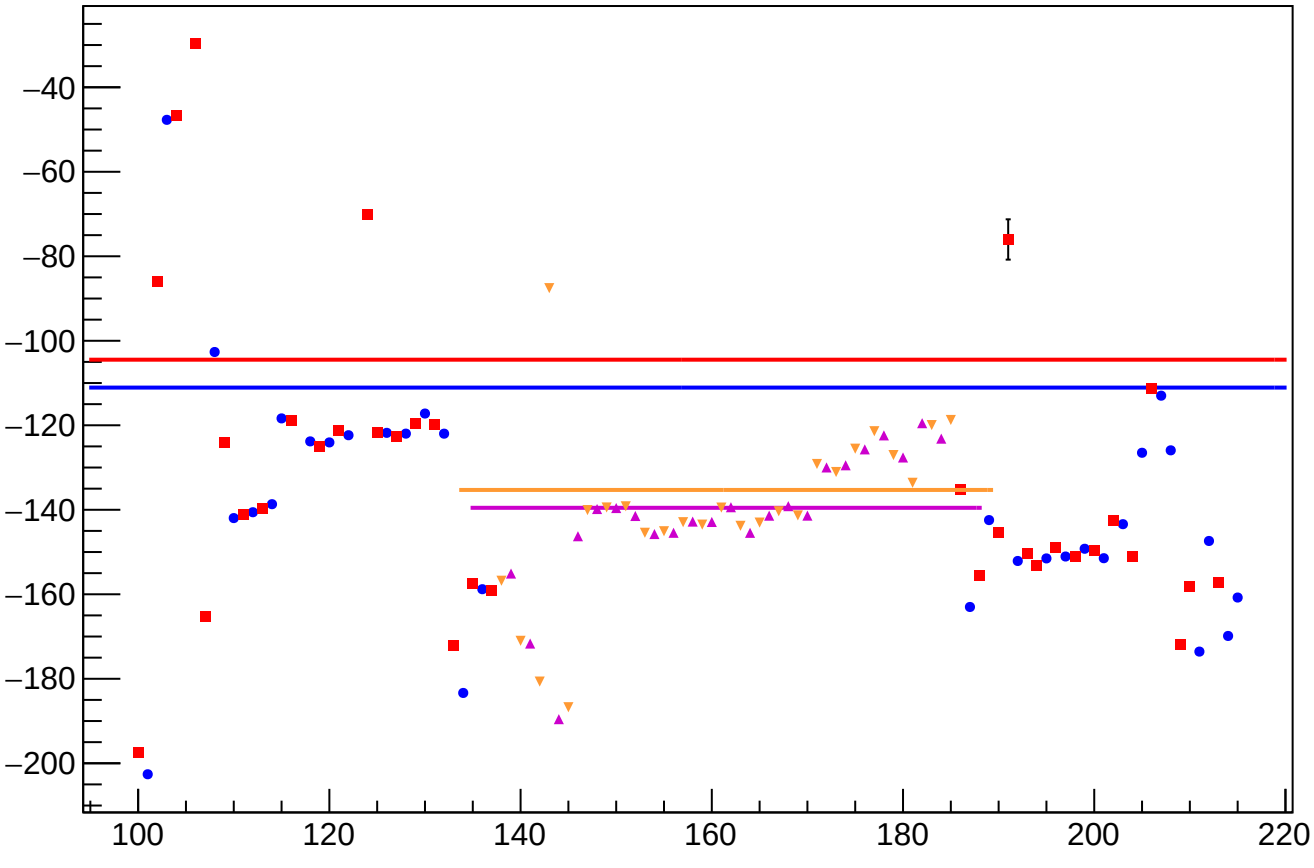
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 31.196+/-0.847 χ^2/NDF: 845.6/64

In: 50.884+/-0.739 χ^2/NDF:1216.9/53

Out: 47.399+/-0.696 χ^2/NDF:1538.0/58

All: 49.038+/-0.507 χ^2/NDF: 2766.7/112



Right In: -111.078+/-0.057 χ^2/NDF: 700497.1/30

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -104.476+/-0.056 χ^2/NDF: 756688.9/33

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

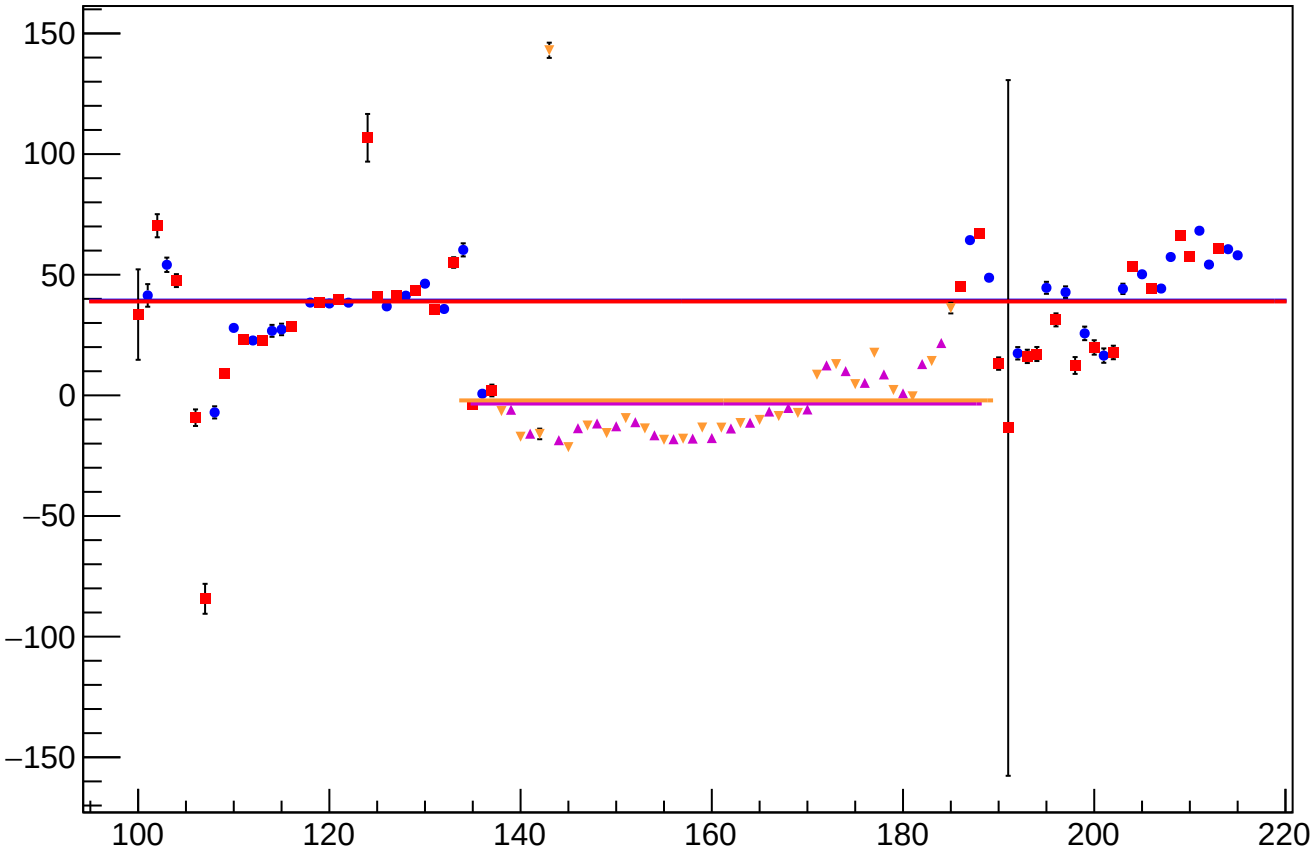
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -107.680+/-0.040 χ^2/NDF: 1464050.5/64

In: -129.523+/-0.034 χ^2/NDF:975605.8/53

Out: -124.571+/-0.033 χ^2/NDF:1220563.4/58

All: -126.962+/-0.024 χ^2/NDF: 2207202.9/11



Right In: 39.269+/-0.316 χ^2/NDF: 3311.5/30

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 38.922+/-0.294 χ^2/NDF: 5311.3/33

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

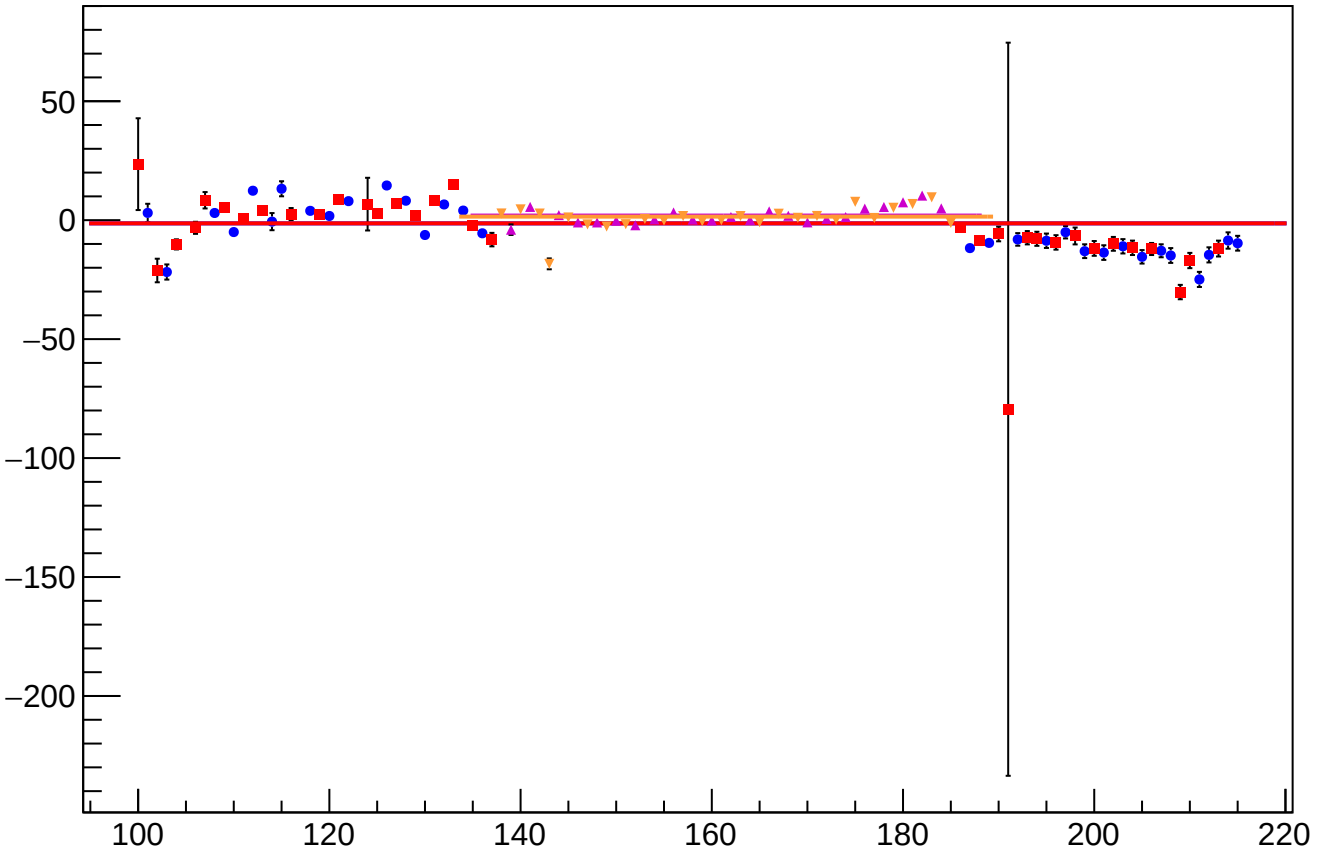
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 39.083+/-0.215 χ^2/NDF: 8623.4/64

In: 14.690+/-0.206 χ^2/NDF:15544.4/53

Out: 16.436+/-0.198 χ^2/NDF:20190.0/58

All: 15.599+/-0.143 χ^2/NDF: 35771.9/112



Right In: -1.355+/-0.371 χ^2/NDF: 598.7/30

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.337+/-0.352 χ^2/NDF: 538.6/33

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

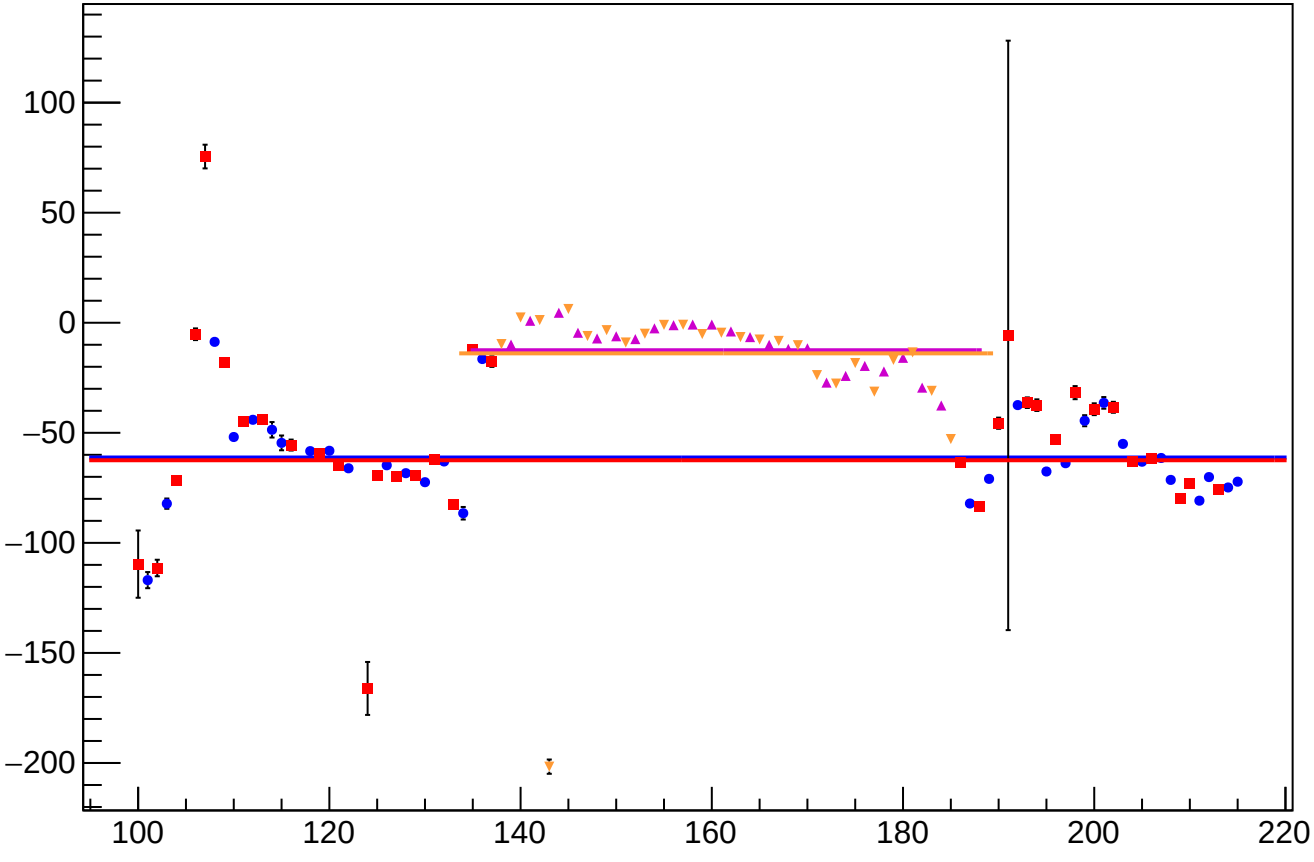
Right: -1.346+/-0.255 χ^2/NDF: 1137.3/64

In: 1.134+/-0.183 χ^2/NDF:898.7/53

Out: 0.772+/-0.177 χ^2/NDF:915.4/58

All: 0.947+/-0.127 χ^2/NDF: 1816.1/112

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.224+/-0.328 χ^2/NDF: 3665.0/30

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.467+/-0.291 χ^2/NDF: 5674.6/33

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

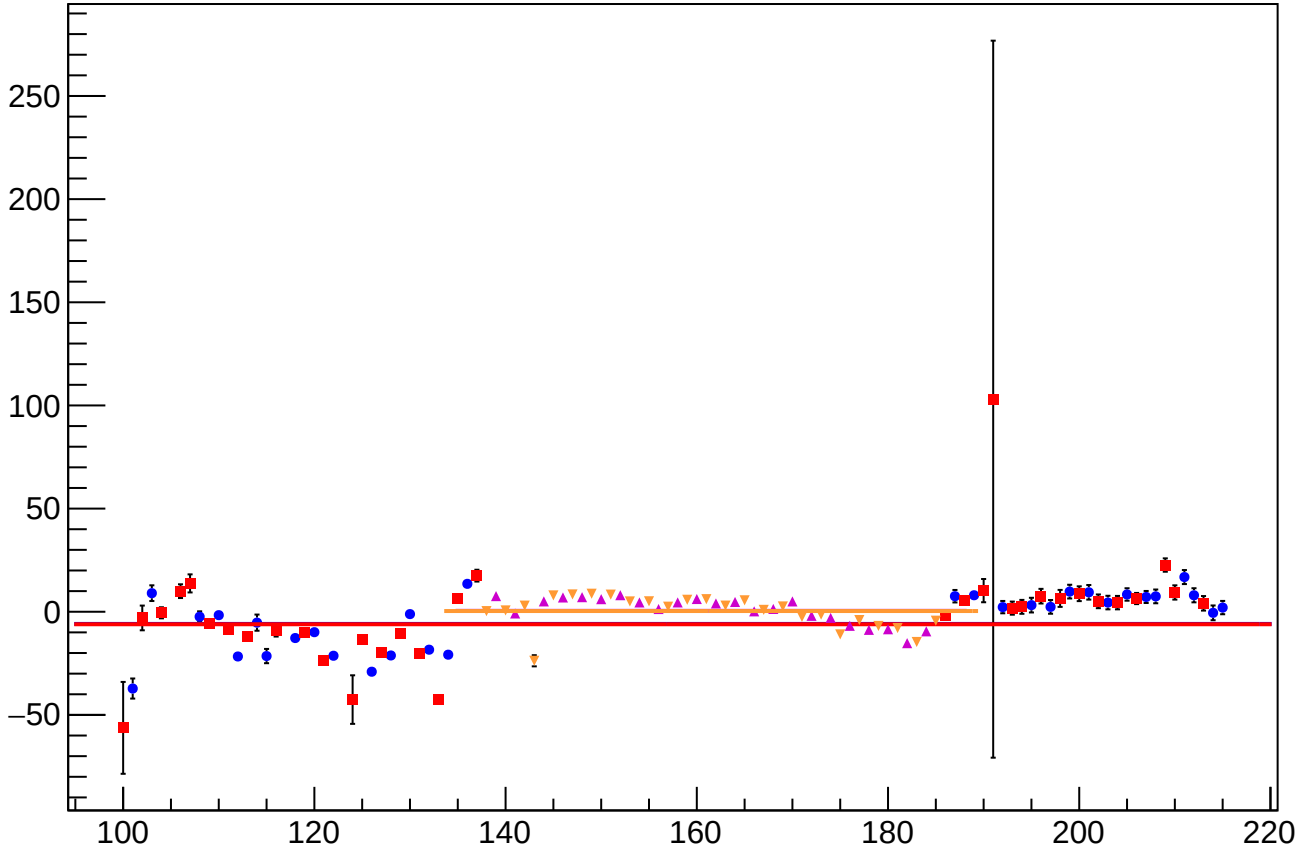
Right: -61.921+/-0.218 χ^2/NDF: 9347.7/64

In: -32.033+/-0.208 χ^2/NDF:18282.8/53

Out: -35.926+/-0.196 χ^2/NDF:26061.6/58

All: -34.098+/-0.143 χ^2/NDF: 44530.3/112

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.906+/-0.430 χ^2/NDF: 1010.0/30

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -6.060+/-0.421 χ^2/NDF: 1050.0/33

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

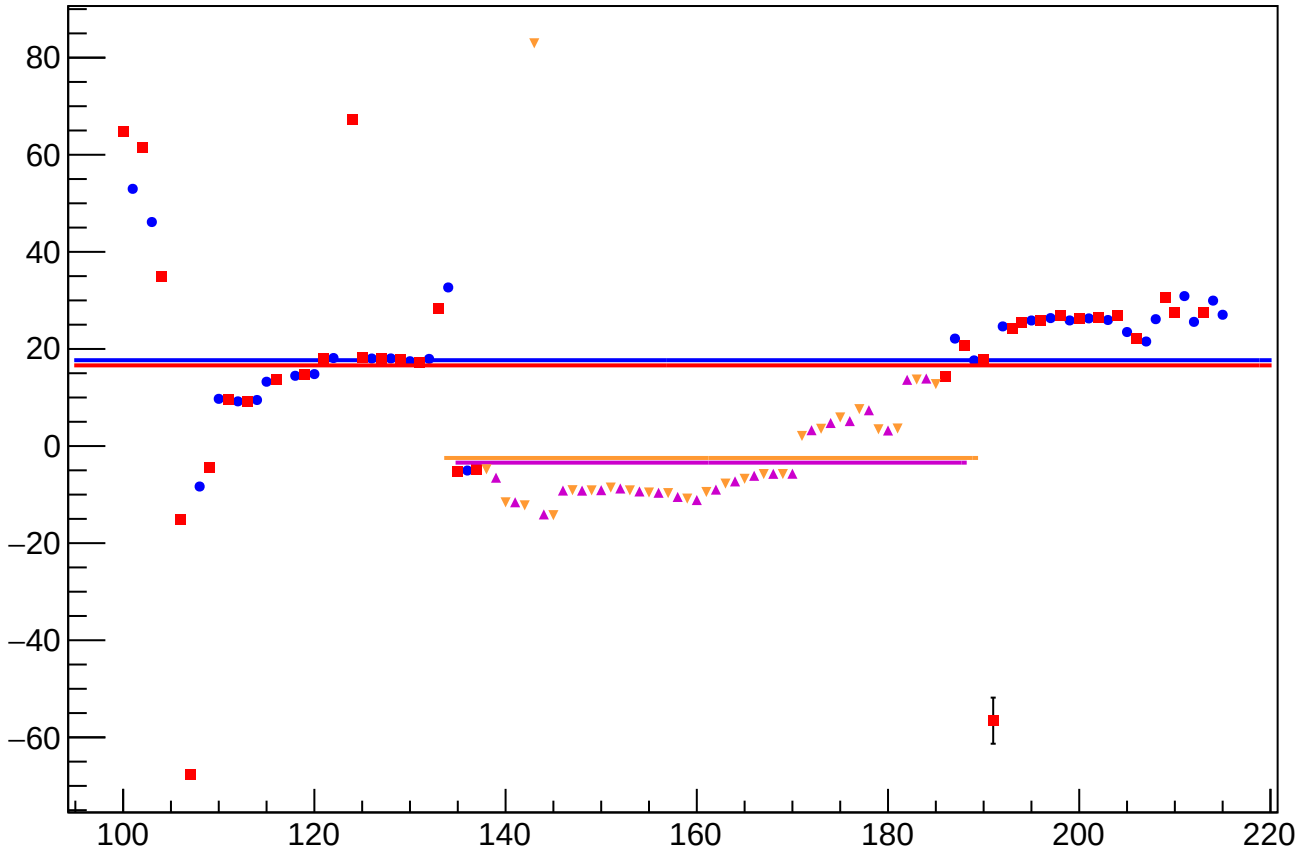
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -5.985+/-0.301 χ^2/NDF: 2060.1/64

In: -1.042+/-0.207 χ^2/NDF:1959.1/53

Out: -1.140+/-0.203 χ^2/NDF:2149.7/58

All: -1.092+/-0.145 χ^2/NDF: 4108.9/112



Right In: 17.685+/-0.022 χ^2/NDF: 455339.6/30

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.617+/-0.022 χ^2/NDF: 575446.6/33

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

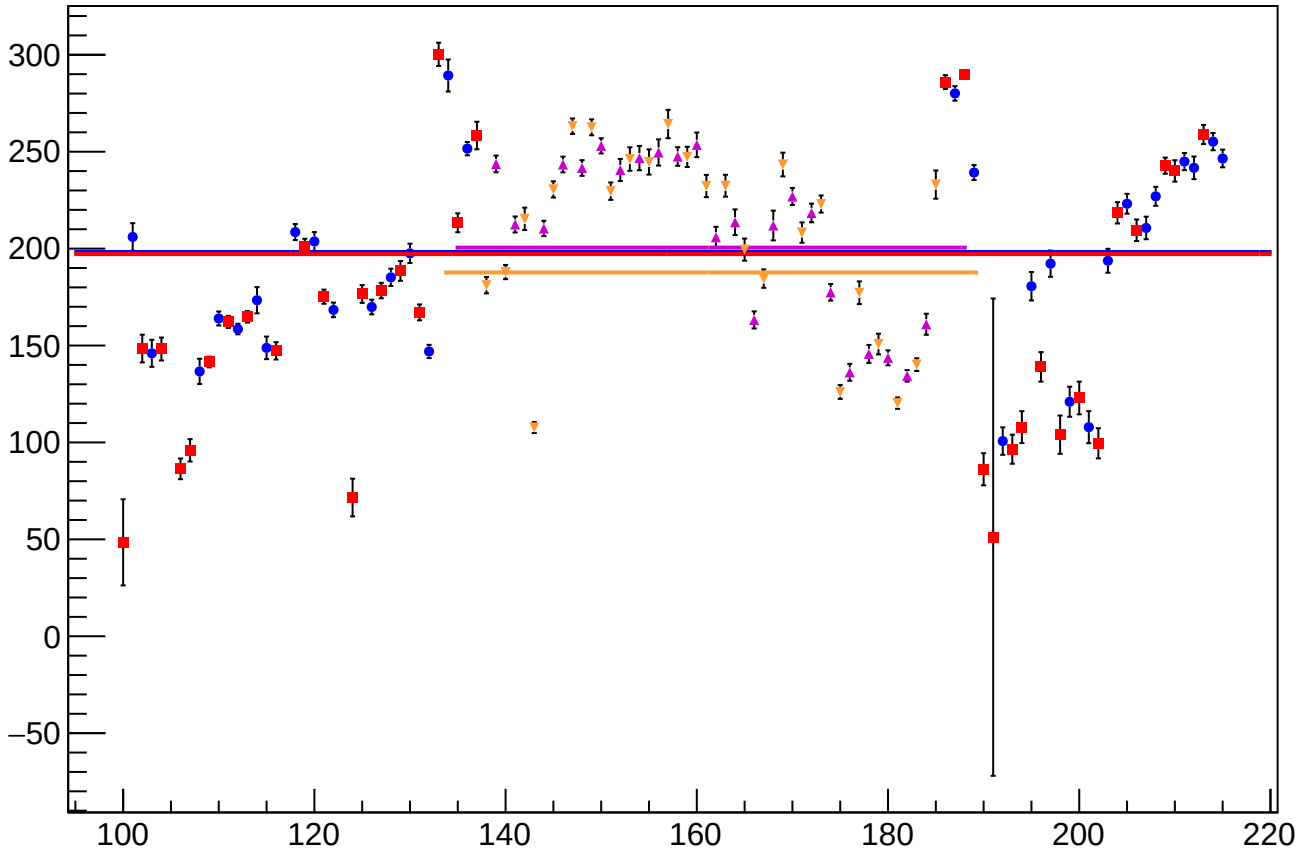
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.153+/-0.015 χ^2/NDF: 1031990.5/64

In: 0.538+/-0.009 χ^2/NDF:1768141.2/53

Out: 1.055+/-0.009 χ^2/NDF:2161164.2/58

All: 0.798+/-0.007 χ^2/NDF: 3930819.3/112



Right In: 198.254+/-0.849 χ^2/NDF: 2766.5/30

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 197.179+/-0.792 χ^2/NDF: 6371.3/33

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

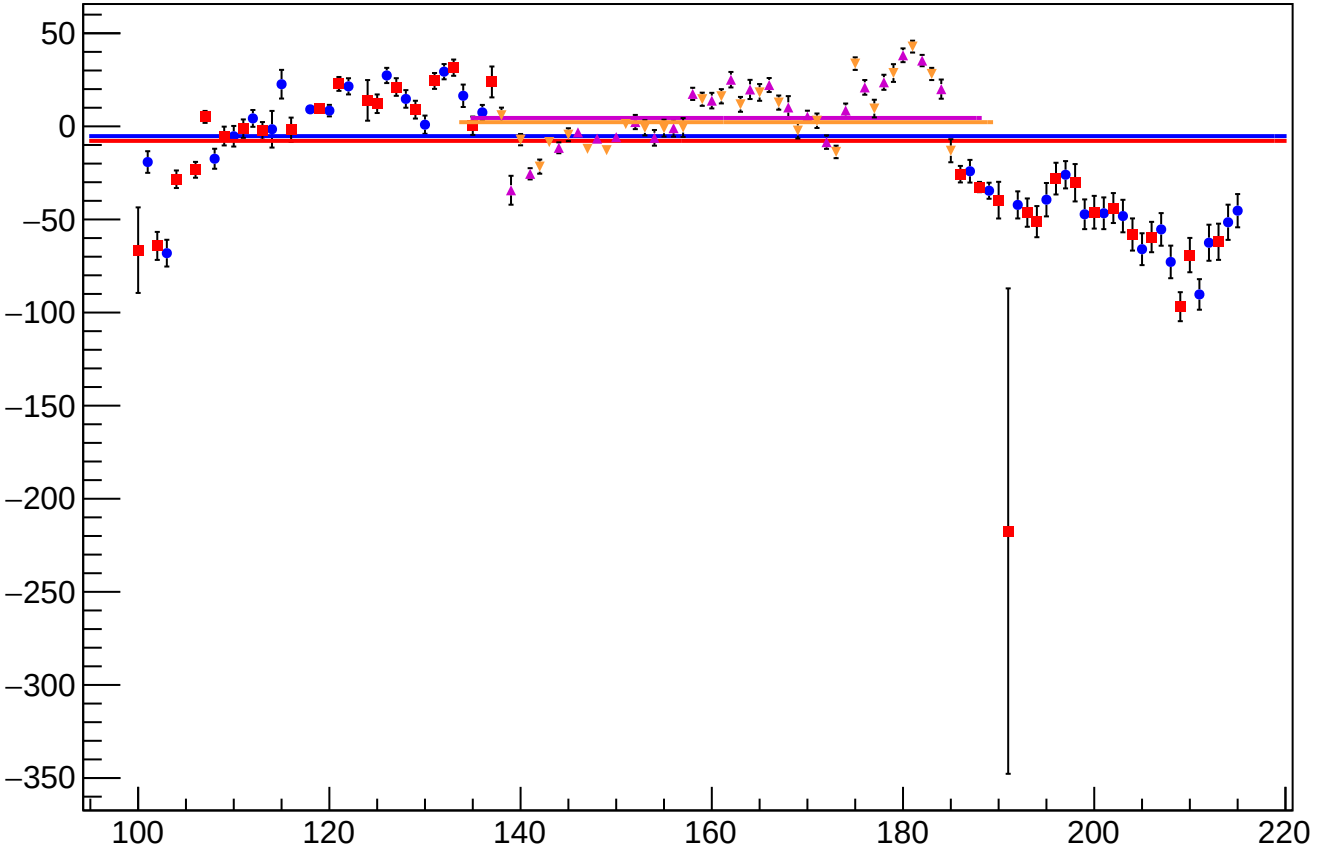
Right: 197.679+/-0.579 χ^2/NDF: 9138.6/64

In: 199.254+/-0.635 χ^2/NDF:4881.1/53

Out: 193.022+/-0.594 χ^2/NDF:9962.6/58

All: 195.932+/-0.434 χ^2/NDF: 14895.1/112

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.245+/-0.967 χ^2/NDF: 881.8/30

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -7.800+/-0.902 χ^2/NDF: 946.2/33

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

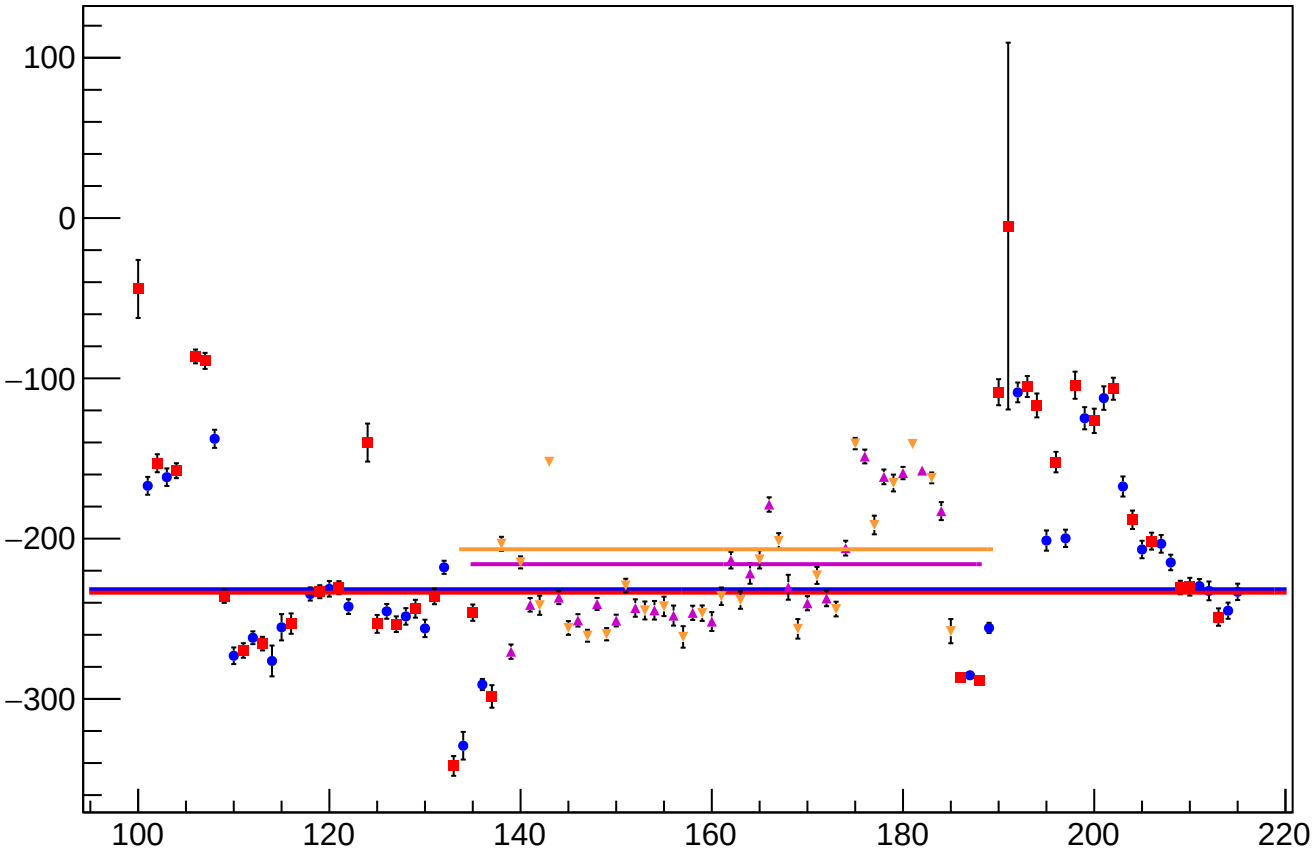
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -6.612+/-0.659 χ^2/NDF: 1831.8/64

In: 1.070+/-0.574 χ^2/NDF:1494.8/53

Out: -1.291+/-0.535 χ^2/NDF:1627.5/58

All: -0.195+/-0.392 χ^2/NDF: 3131.3/112



Right In: -231.578+/-0.889 χ^2/NDF: 2690.7/30

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.692+/-0.800 χ^2/NDF: 6668.3/33

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

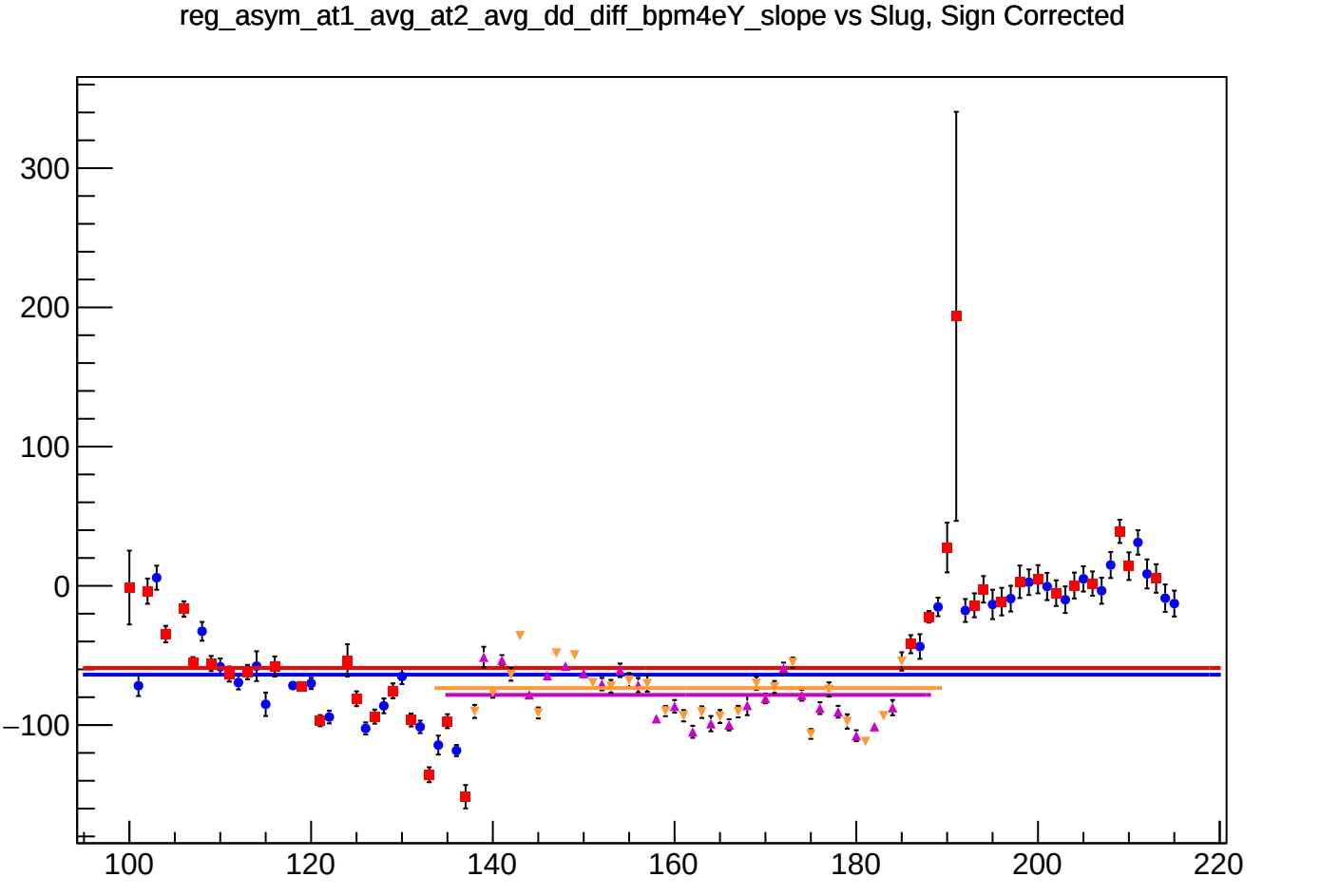
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.747+/-0.595 χ^2/NDF: 9362.0/64

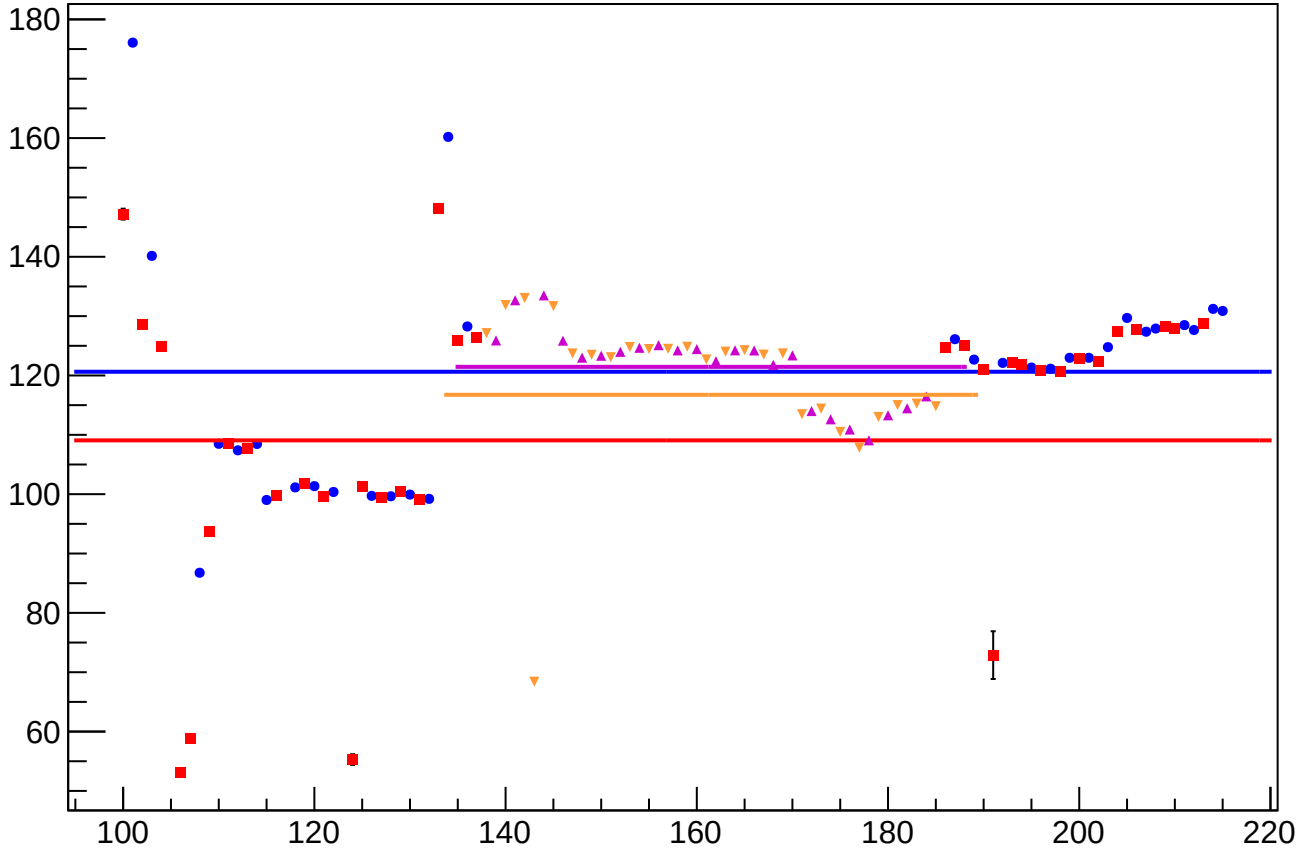
In: -224.243+/-0.648 χ^2/NDF:4547.7/53

Out: -221.669+/-0.596 χ^2/NDF:9645.1/58

All: -222.849+/-0.439 χ^2/NDF: 14201.3/112


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
220
Right In: -63.820+/-1.127 χ²/NDF: 1224.9/30
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -58.994+/-1.073 χ²/NDF: 1362.8/33
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -61.289+/-0.777 χ²/NDF: 2597.4/64
In: -73.329+/-0.662 χ²/NDF:1776.7/53
Out: -68.548+/-0.624 χ²/NDF:2319.1/58
All: -70.799+/-0.454 χ²/NDF: 4123.4/112

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.628+/-0.059 χ^2/NDF: 99899.4/30

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.066+/-0.055 χ^2/NDF: 213683.9/33

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

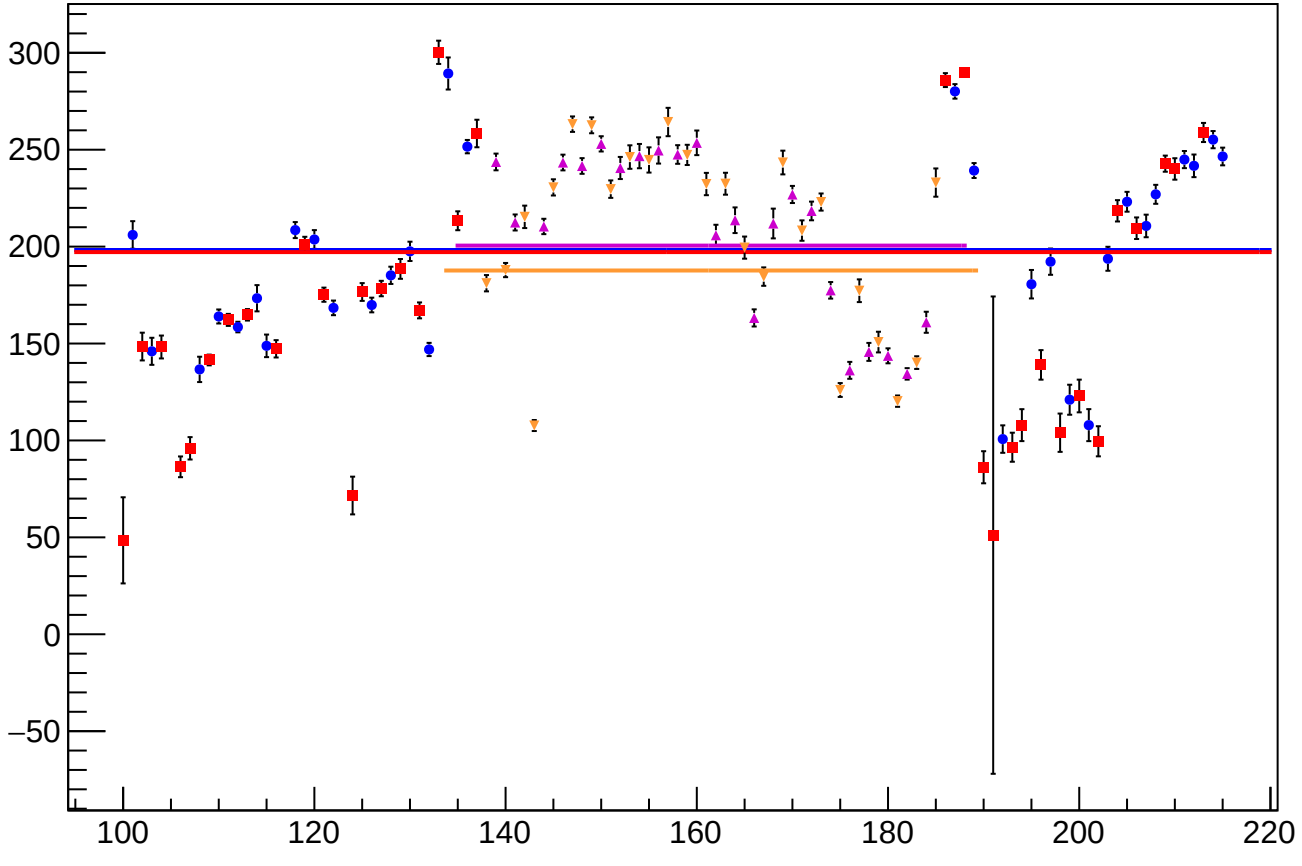
Right: 114.408+/-0.040 χ^2/NDF: 334084.1/64

In: 121.221+/-0.032 χ^2/NDF:128835.4/53

Out: 114.449+/-0.030 χ^2/NDF:431045.2/58

All: 117.664+/-0.022 χ^2/NDF: 584084.2/112

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 198.254+/-0.849 χ^2/NDF: 2766.5/30

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 197.179+/-0.792 χ^2/NDF: 6371.3/33

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

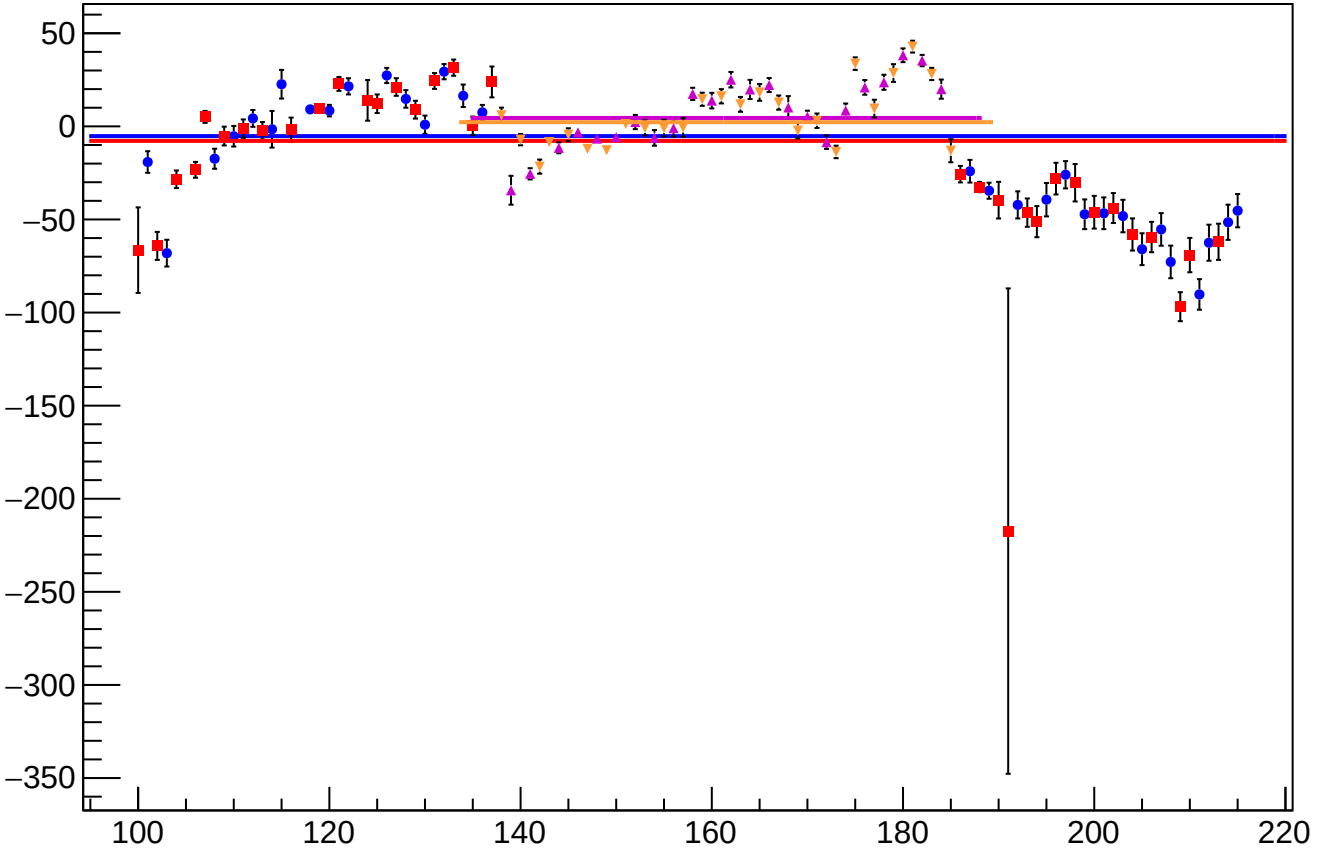
Right: 197.679+/-0.579 χ^2/NDF: 9138.6/64

In: 199.254+/-0.635 χ^2/NDF:4881.1/53

Out: 193.022+/-0.594 χ^2/NDF:9962.6/58

All: 195.932+/-0.434 χ^2/NDF: 14895.1/112

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.245+/-0.967 χ^2/NDF: 881.8/30

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -7.800+/-0.902 χ^2/NDF: 946.2/33

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

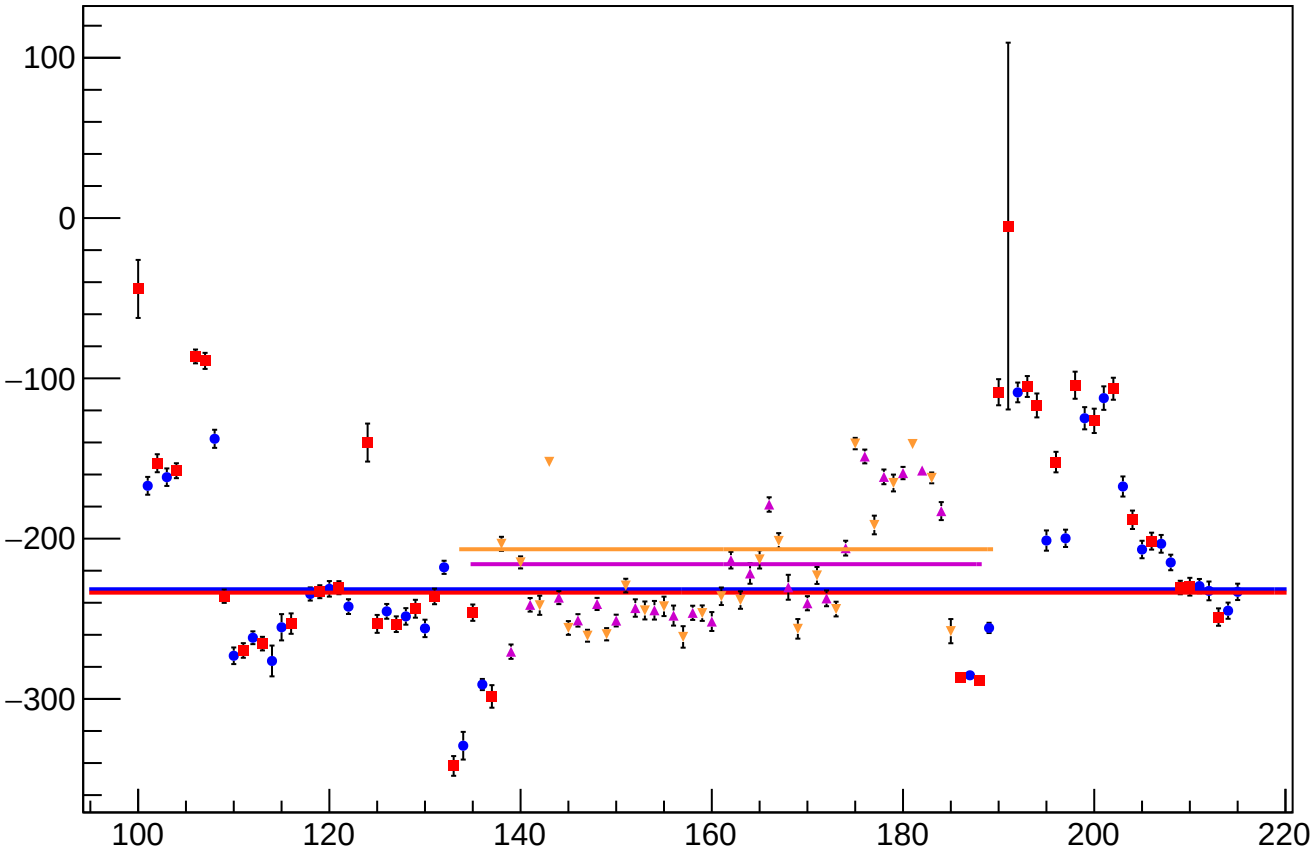
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -6.612+/-0.659 χ^2/NDF: 1831.8/64

In: 1.070+/-0.574 χ^2/NDF:1494.8/53

Out: -1.291+/-0.535 χ^2/NDF:1627.5/58

All: -0.195+/-0.392 χ^2/NDF: 3131.3/112



Right In: -231.578+/-0.889 χ^2/NDF: 2690.7/30

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.692+/-0.800 χ^2/NDF: 6668.3/33

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

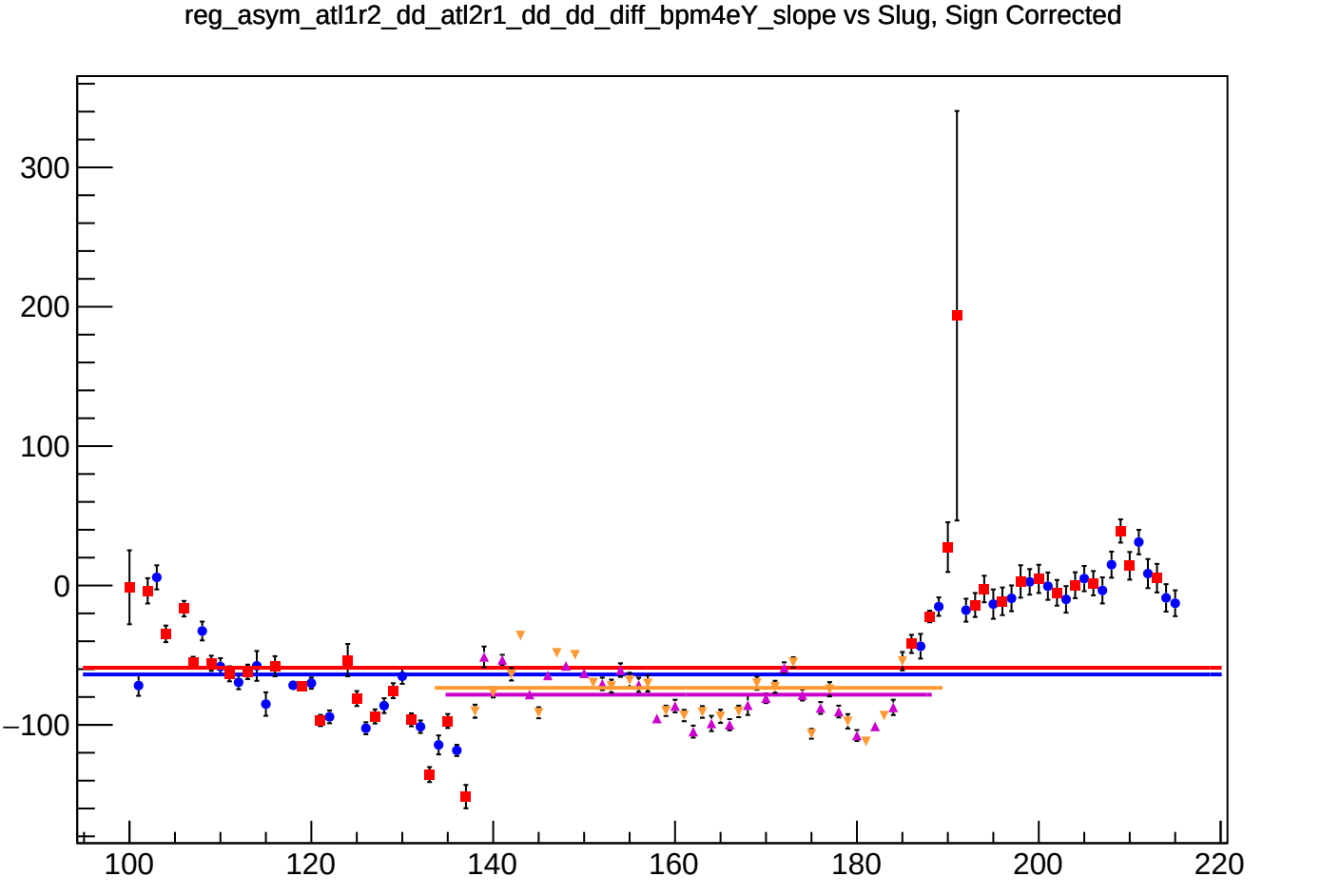
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.747+/-0.595 χ^2/NDF: 9362.0/64

In: -224.243+/-0.648 χ^2/NDF:4547.7/53

Out: -221.669+/-0.596 χ^2/NDF:9645.1/58

All: -222.849+/-0.439 χ^2/NDF: 14201.3/112



Right In: -63.820+/-1.127 χ^2/NDF: 1224.9/30

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -58.994+/-1.073 χ^2/NDF: 1362.8/33

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

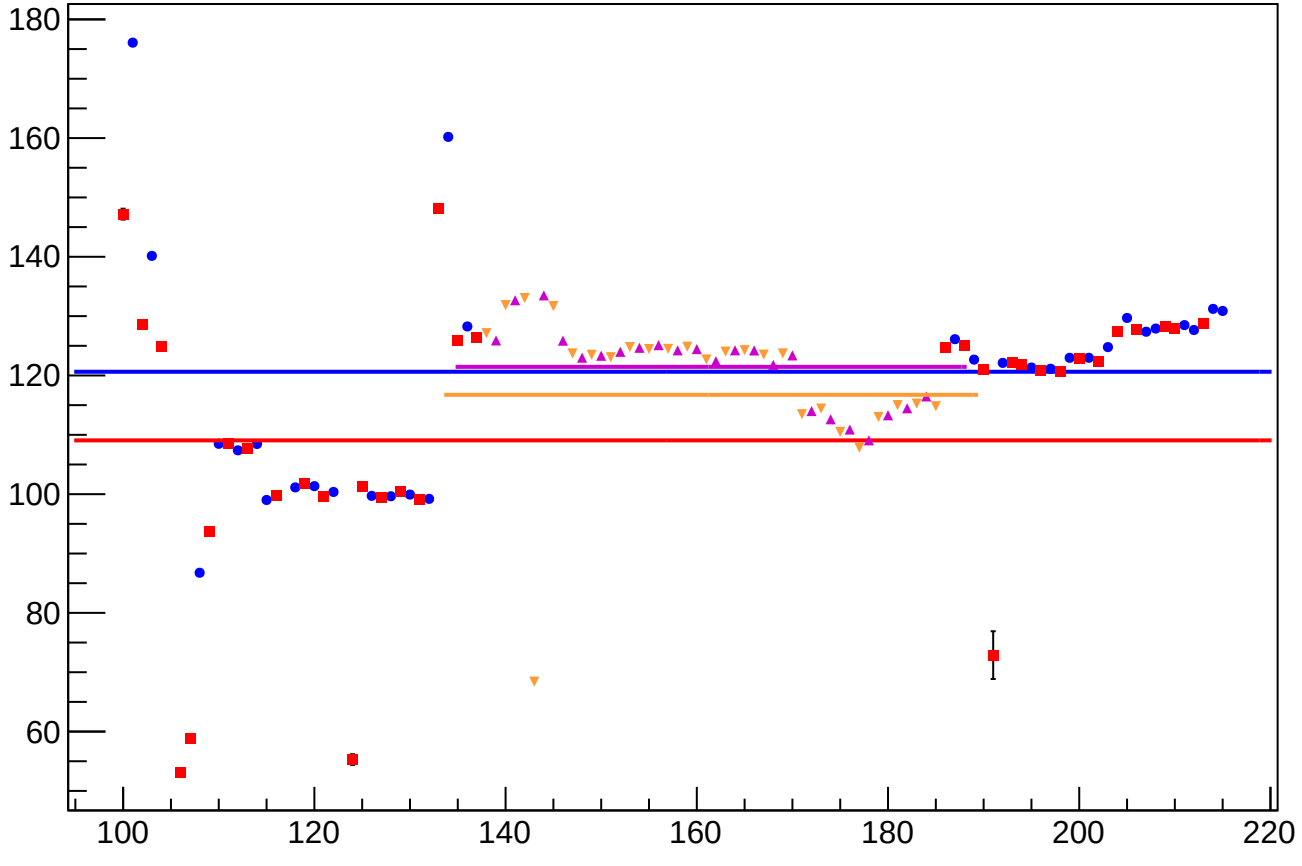
Right: -61.289+/-0.777 χ^2/NDF: 2597.4/64

In: -73.329+/-0.662 χ^2/NDF:1776.7/53

Out: -68.548+/-0.624 χ^2/NDF:2319.1/58

All: -70.799+/-0.454 χ^2/NDF: 4123.4/112

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.628+/-0.059 χ^2/NDF: 99899.4/30

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.066+/-0.055 χ^2/NDF: 213683.9/33

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

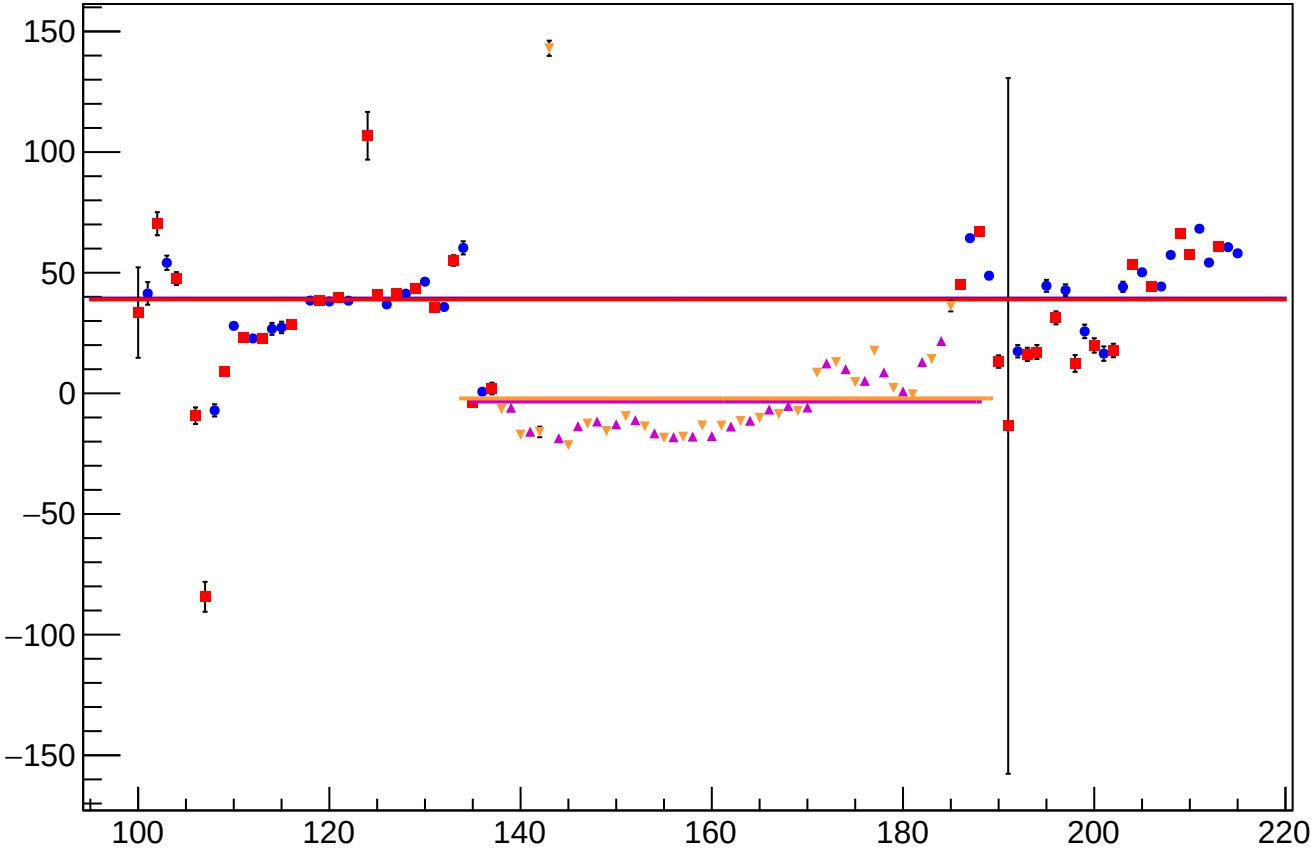
Right: 114.408+/-0.040 χ^2/NDF: 334084.1/64

In: 121.221+/-0.032 χ^2/NDF:128835.4/53

Out: 114.449+/-0.030 χ^2/NDF:431045.2/58

All: 117.664+/-0.022 χ^2/NDF: 584084.2/112

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 39.269+/-0.316 χ^2/NDF: 3311.5/30

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 38.922+/-0.294 χ^2/NDF: 5311.3/33

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

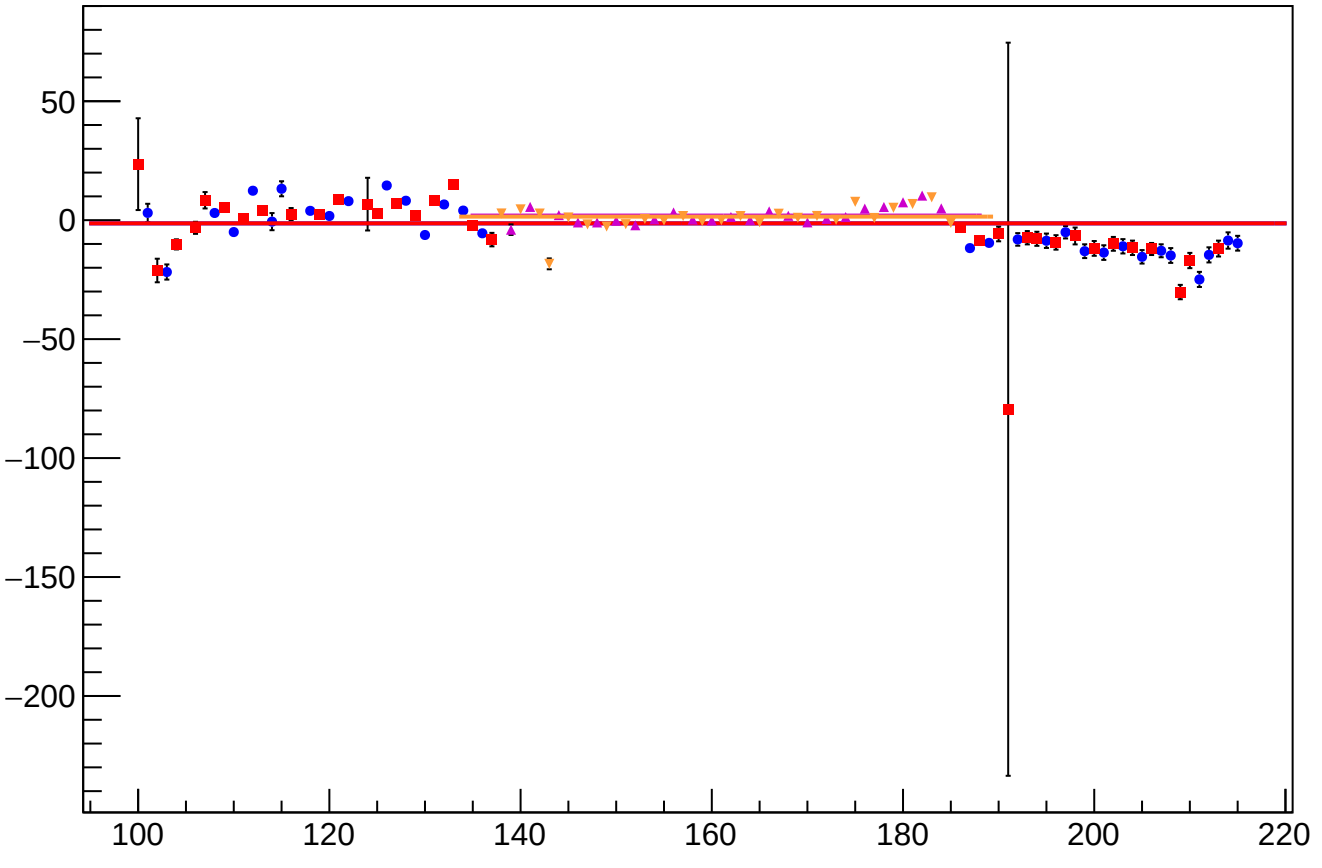
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 39.083+/-0.215 χ^2/NDF: 8623.4/64

In: 14.690+/-0.206 χ^2/NDF:15544.4/53

Out: 16.436+/-0.198 χ^2/NDF:20190.0/58

All: 15.599+/-0.143 χ^2/NDF: 35771.9/112



Right In: -1.355+/-0.371 χ^2/NDF: 598.7/30

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.337+/-0.352 χ^2/NDF: 538.6/33

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

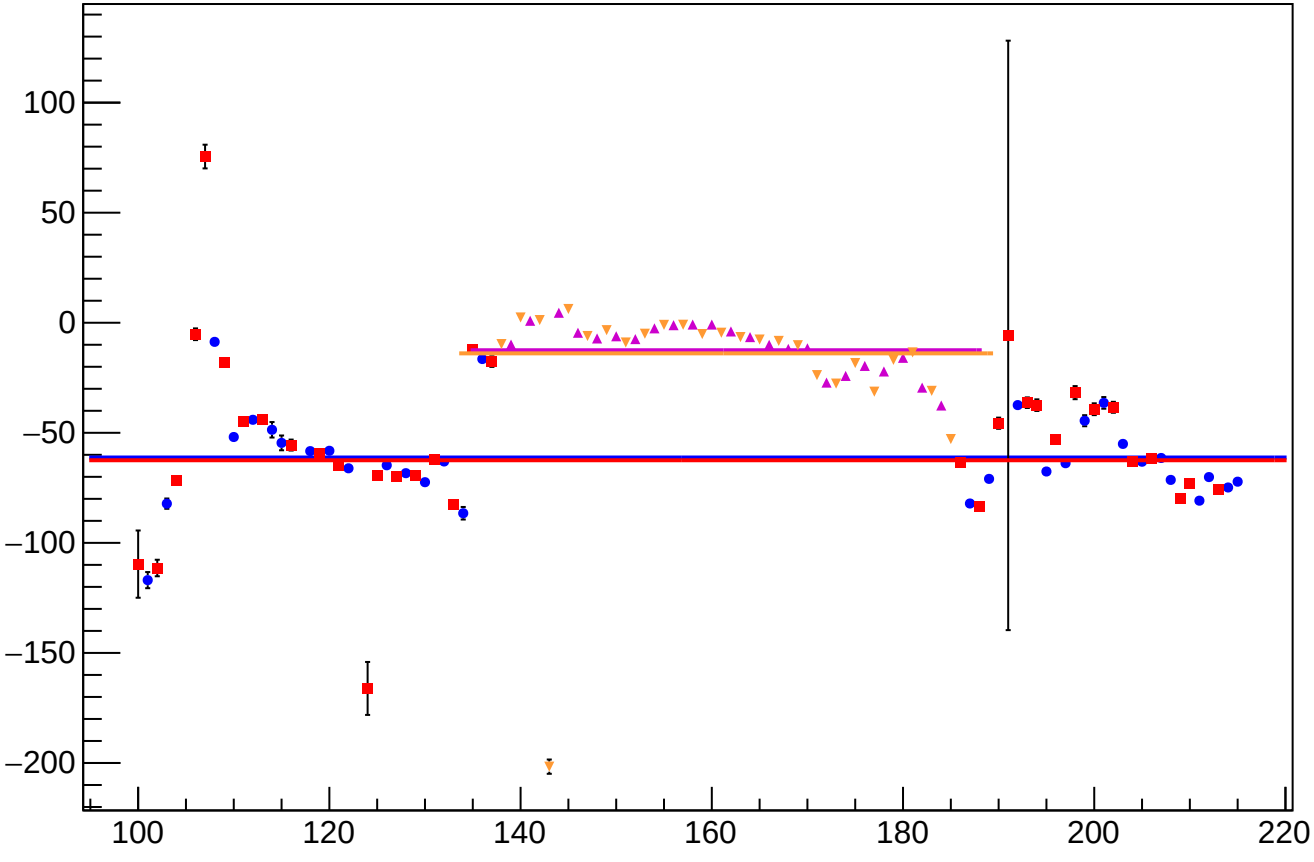
Right: -1.346+/-0.255 χ^2/NDF: 1137.3/64

In: 1.134+/-0.183 χ^2/NDF:898.7/53

Out: 0.772+/-0.177 χ^2/NDF:915.4/58

All: 0.947+/-0.127 χ^2/NDF: 1816.1/112

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.224+/-0.328 χ^2/NDF: 3665.0/30

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.467+/-0.291 χ^2/NDF: 5674.6/33

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

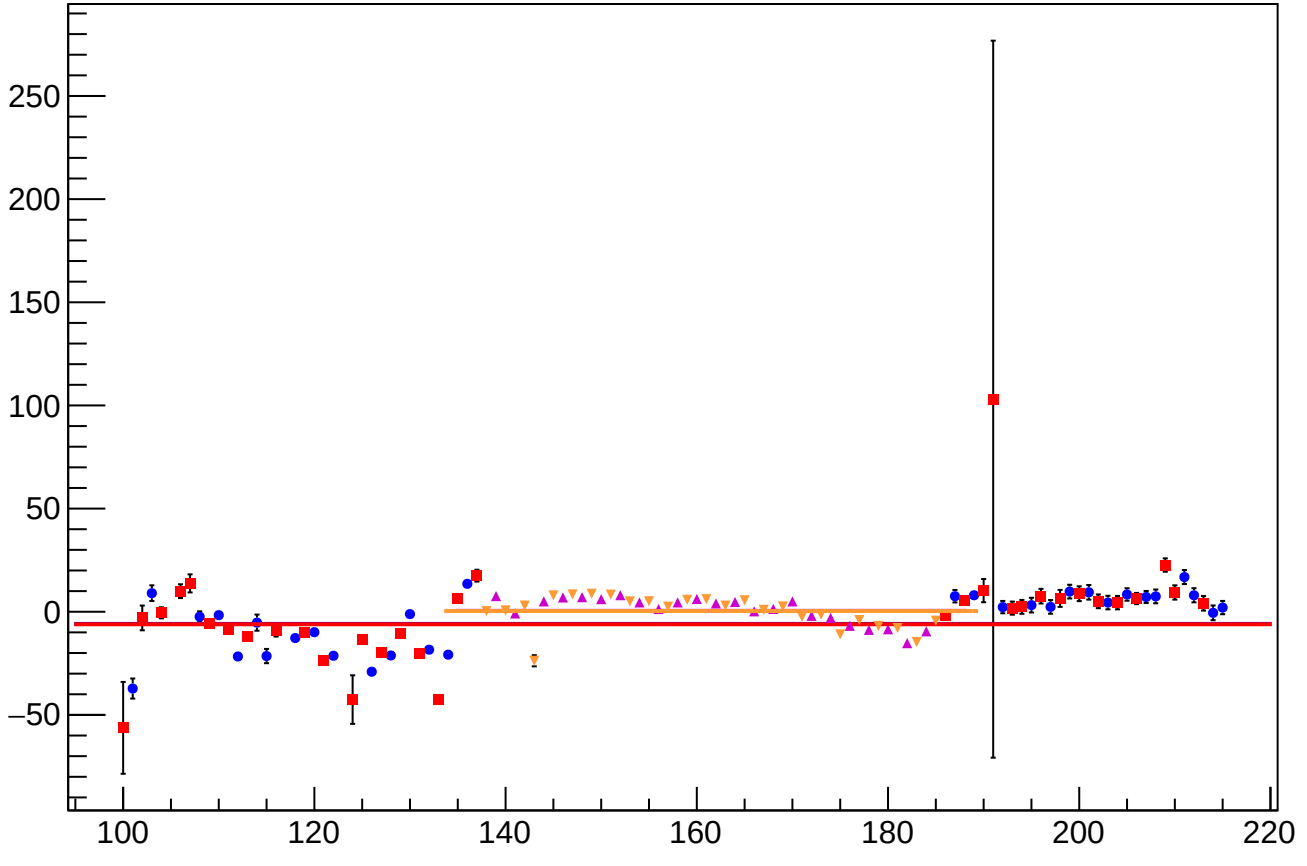
Right: -61.921+/-0.218 χ^2/NDF: 9347.7/64

In: -32.033+/-0.208 χ^2/NDF:18282.8/53

Out: -35.926+/-0.196 χ^2/NDF:26061.6/58

All: -34.098+/-0.143 χ^2/NDF: 44530.3/112

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.906+/-0.430 χ^2/NDF: 1010.0/30

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -6.060+/-0.421 χ^2/NDF: 1050.0/33

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

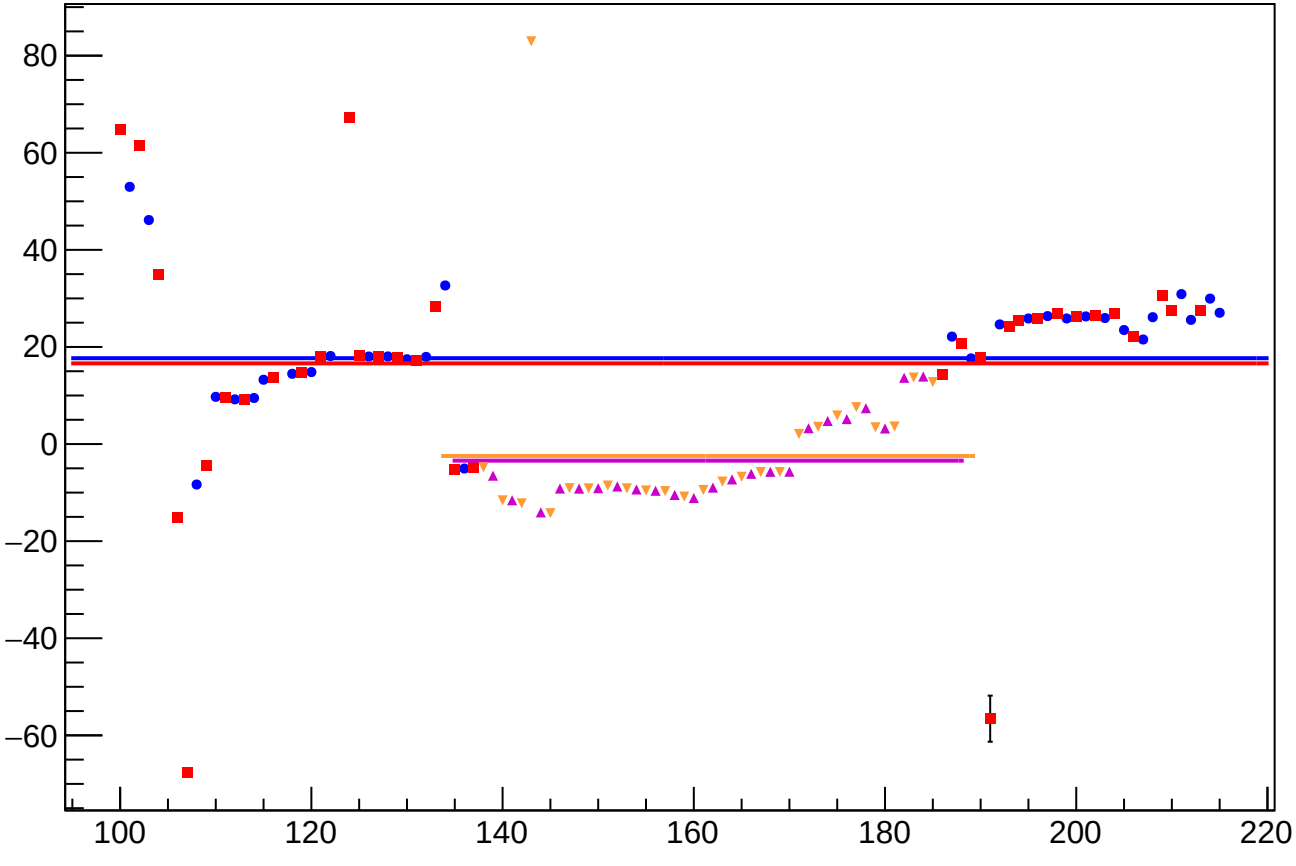
Right: -5.985+/-0.301 χ^2/NDF: 2060.1/64

In: -1.042+/-0.207 χ^2/NDF:1959.1/53

Out: -1.140+/-0.203 χ^2/NDF:2149.7/58

All: -1.092+/-0.145 χ^2/NDF: 4108.9/112

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 17.685+/-0.022 χ^2/NDF: 455339.6/30

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.617+/-0.022 χ^2/NDF: 575446.6/33

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

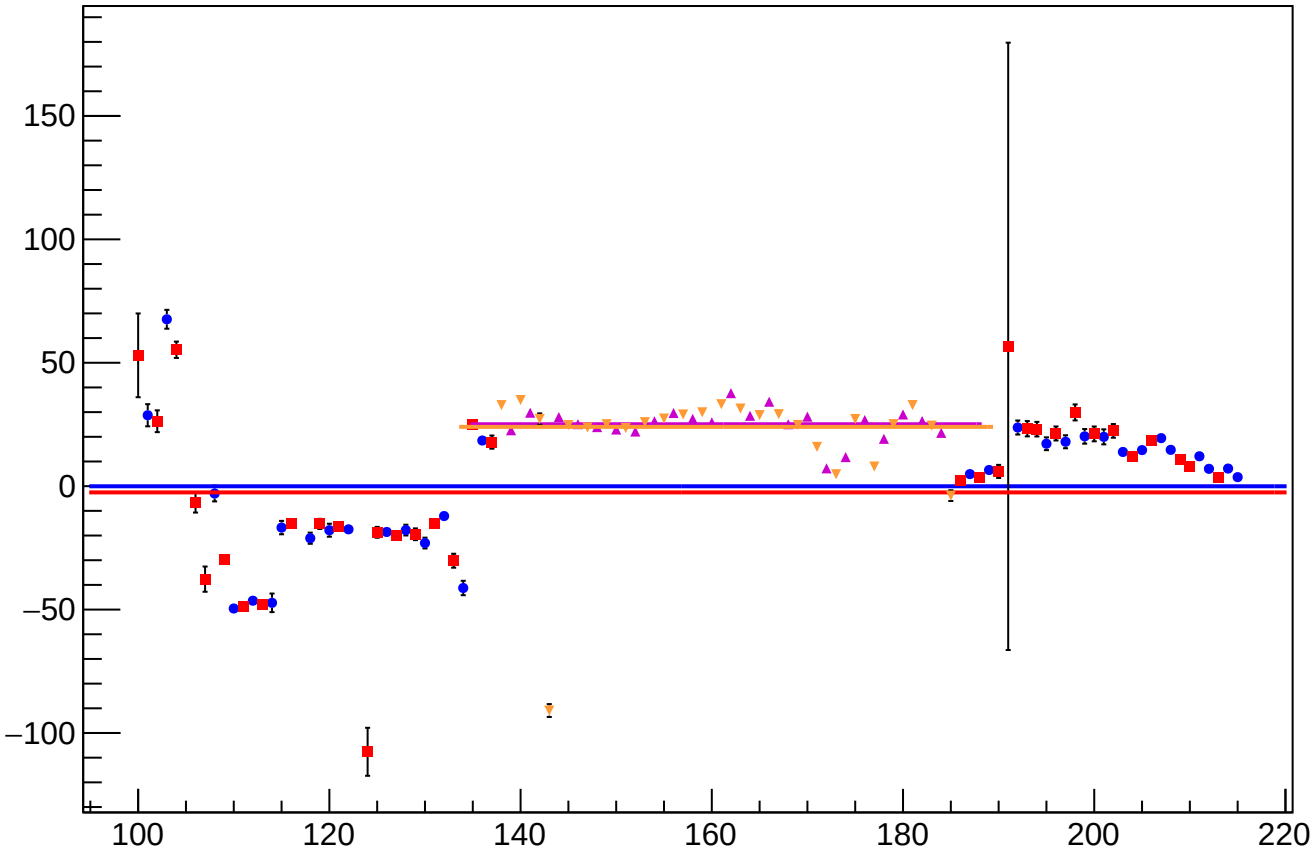
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.153+/-0.015 χ^2/NDF: 1031990.5/64

In: 0.538+/-0.009 χ^2/NDF:1768141.2/53

Out: 1.055+/-0.009 χ^2/NDF:2161164.2/58

All: 0.798+/-0.007 χ^2/NDF: 3930819.3/112



Right In: -0.042+/-0.355 χ^2/NDF: 3711.0/30

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -2.526+/-0.353 χ^2/NDF: 3889.2/33

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

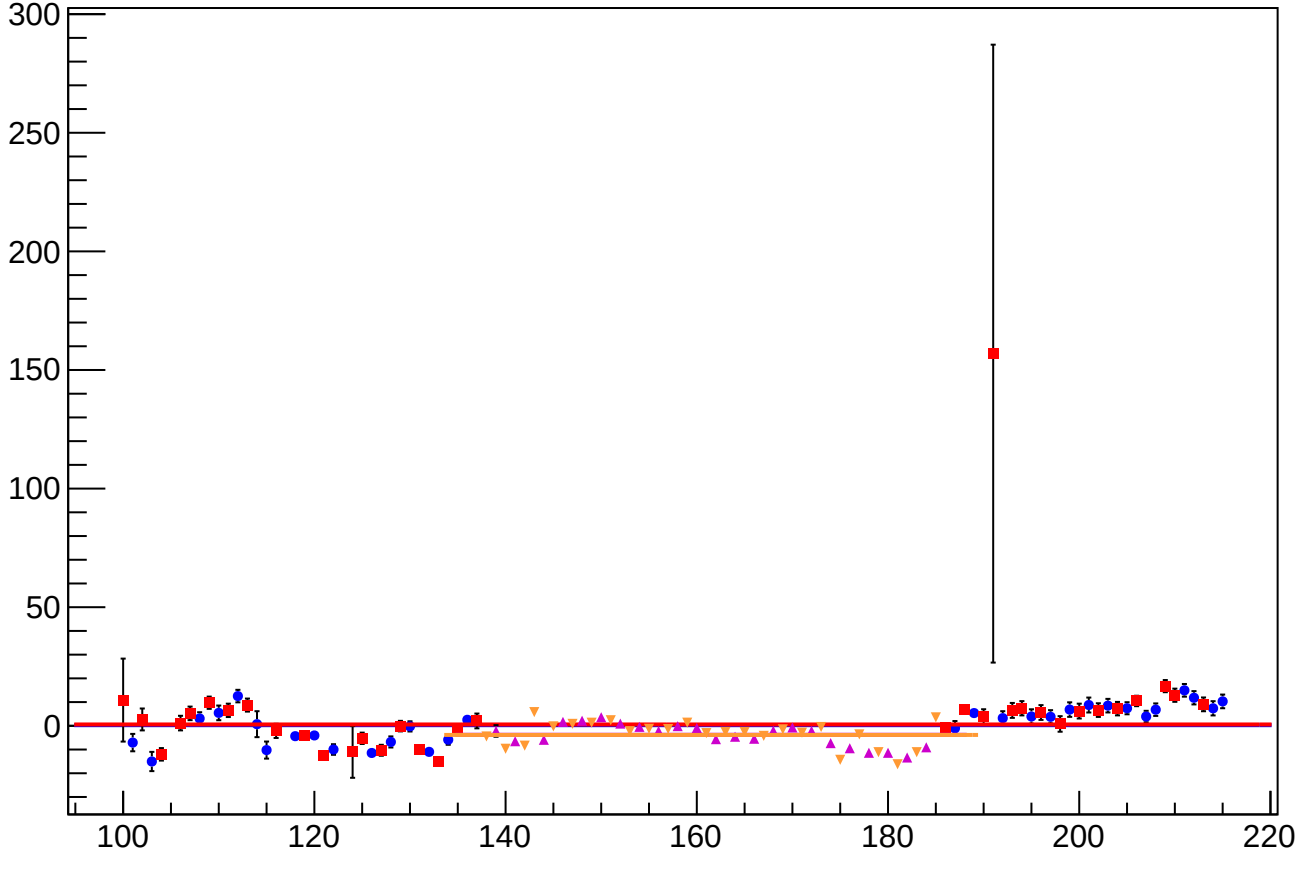
Right: -1.291+/-0.251 χ^2/NDF: 7624.8/64

In: 15.158+/-0.223 χ^2/NDF:7231.7/53

Out: 13.689+/-0.220 χ^2/NDF:10142.1/58

All: 14.413+/-0.157 χ^2/NDF: 17395.8/112

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.265+/-0.436 χ^2/NDF: 286.5/30

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.567+/-0.428 χ^2/NDF: 355.3/33

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

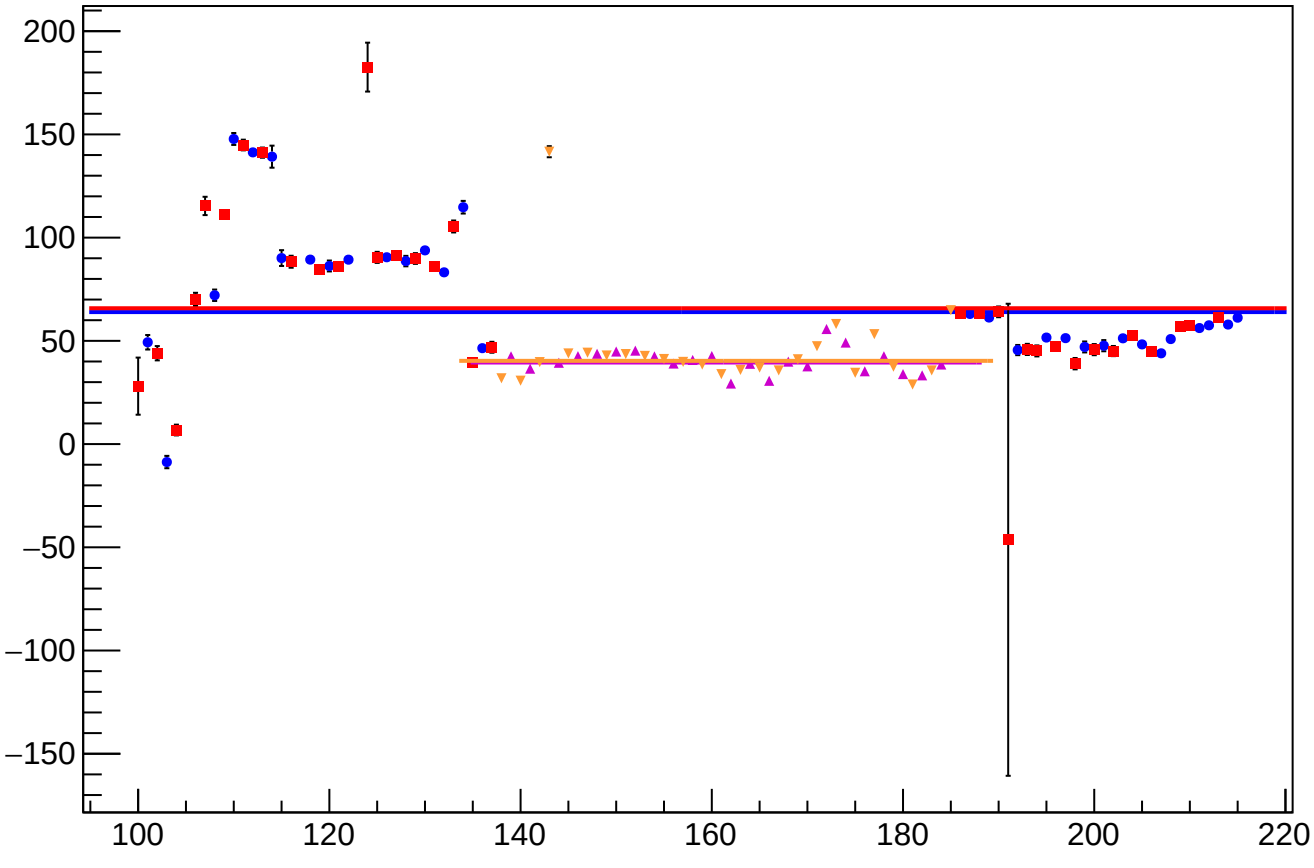
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.419+/-0.305 χ^2/NDF: 642.1/64

In: -2.937+/-0.199 χ^2/NDF:864.5/53

Out: -2.936+/-0.194 χ^2/NDF:1089.2/58

All: -2.937+/-0.139 χ^2/NDF: 1953.7/112



Right In: 63.936+/-0.367 χ^2/NDF: 4678.2/30

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 65.795+/-0.352 χ^2/NDF: 4834.1/33

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

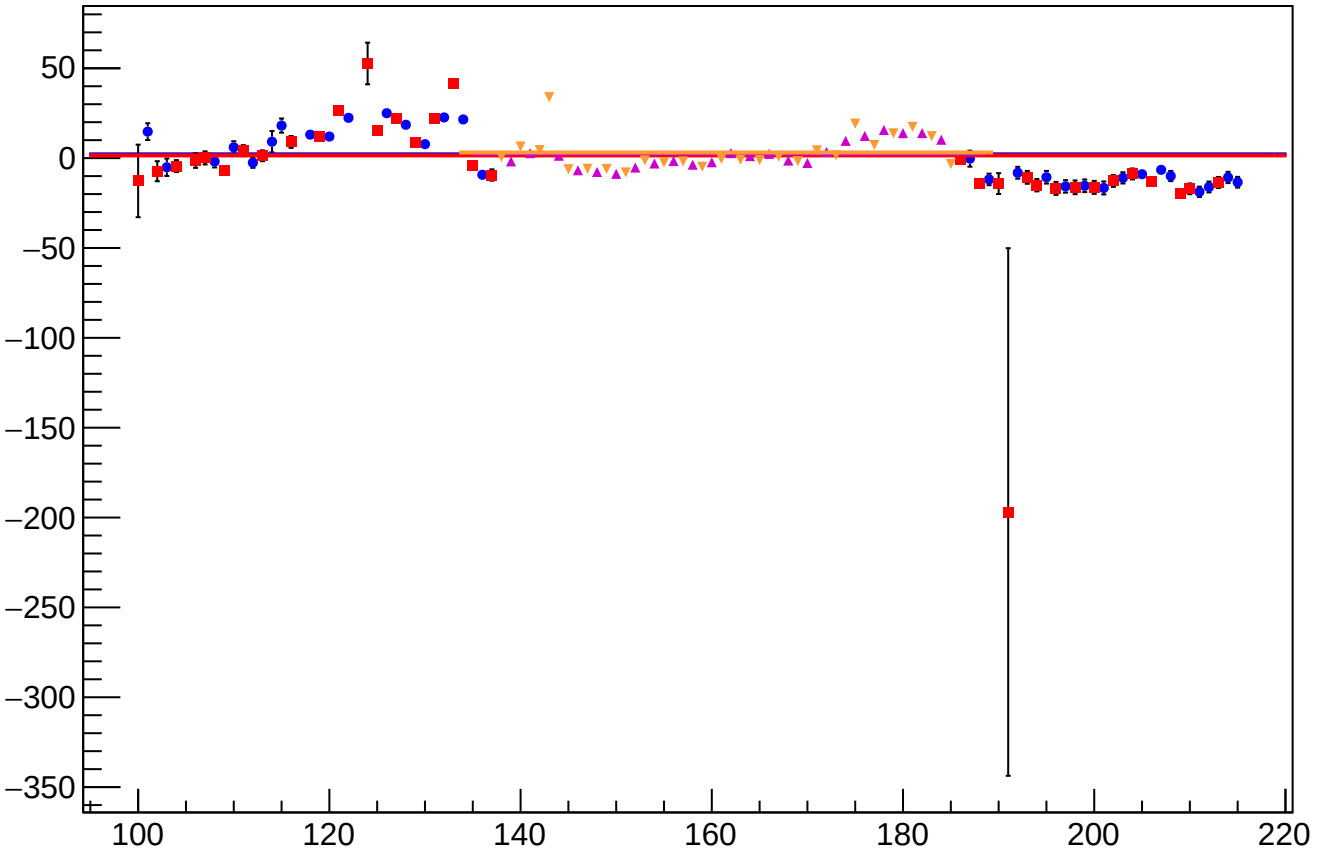
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.903+/-0.254 χ^2/NDF: 9525.8/64

In: 48.696+/-0.225 χ^2/NDF:7880.6/53

Out: 50.185+/-0.219 χ^2/NDF:10221.1/58

All: 49.459+/-0.157 χ^2/NDF: 18124.2/112



Right In: 2.112+/-0.496 χ^2/NDF: 850.3/30

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 1.516+/-0.501 χ^2/NDF: 1026.2/33

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

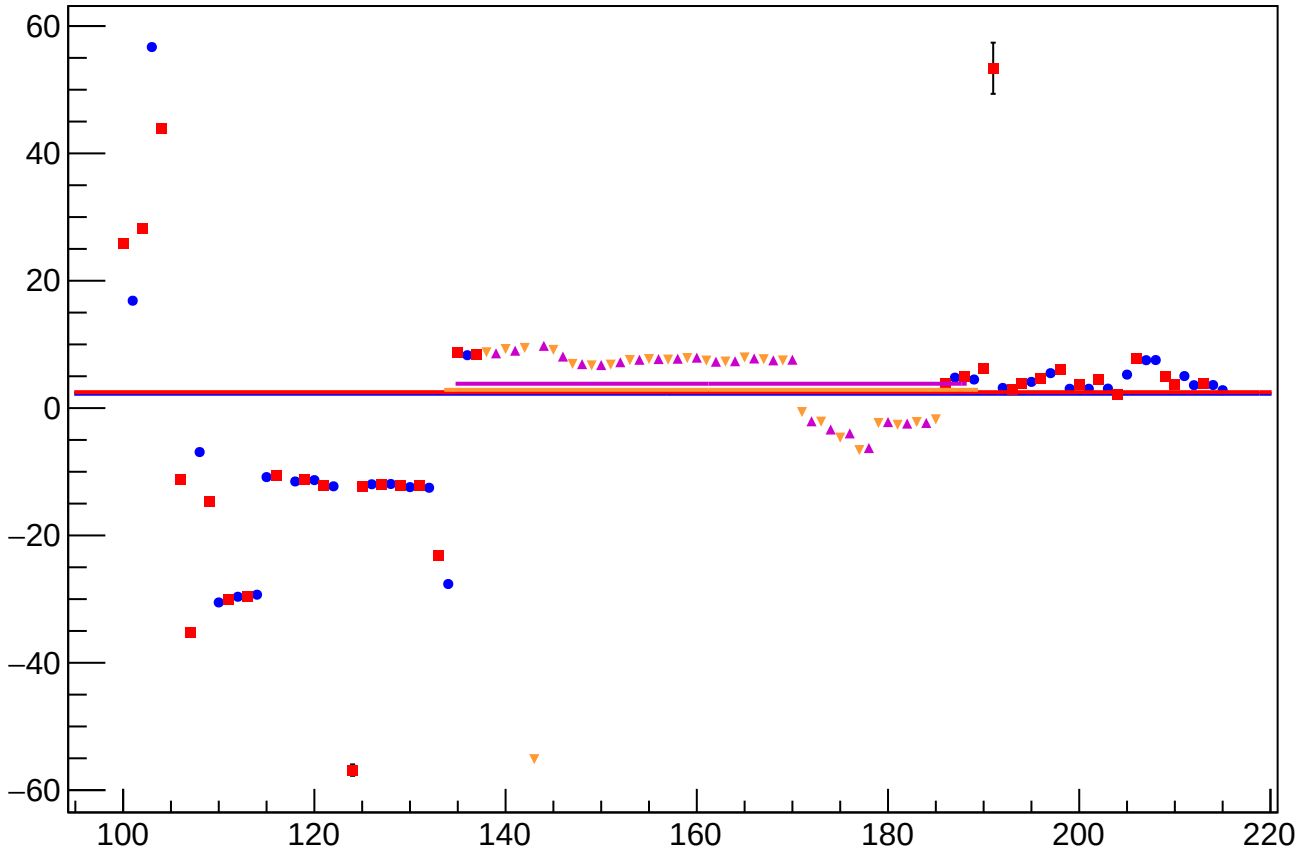
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.817+/-0.352 χ^2/NDF: 1877.2/64

In: 2.436+/-0.224 χ^2/NDF:1819.0/53

Out: 2.827+/-0.220 χ^2/NDF:2301.7/58

All: 2.635+/-0.157 χ^2/NDF: 4122.3/112



Right In: 2.252+/-0.024 χ^2/NDF: 383014.4/30

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.499+/-0.024 χ^2/NDF: 330756.2/33

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

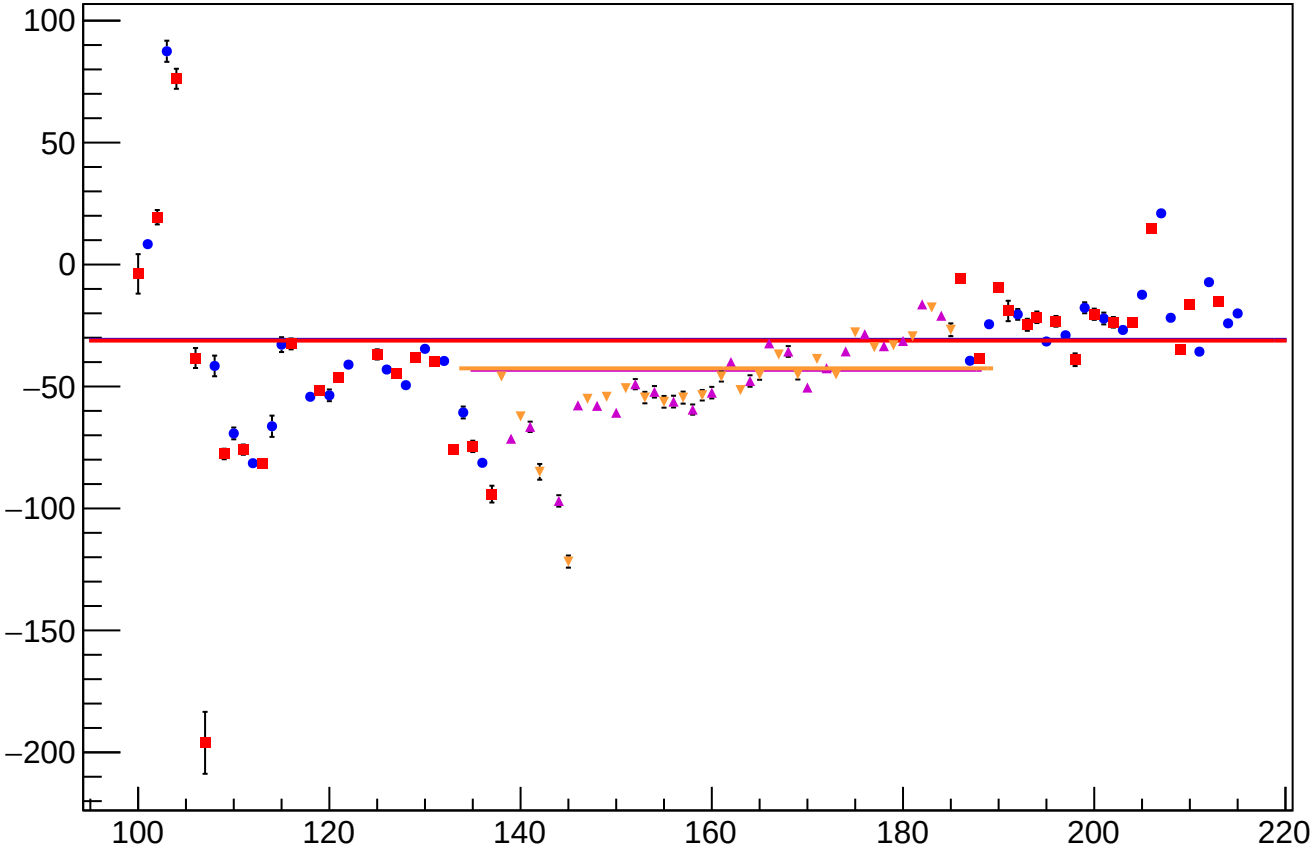
Right: 2.374+/-0.017 χ^2/NDF: 713824.8/64

In: 3.539+/-0.010 χ^2/NDF:619886.1/53

Out: 2.805+/-0.010 χ^2/NDF:843285.5/58

All: 3.170+/-0.007 χ^2/NDF: 1465857.2/112

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -30.874+/-0.327 χ^2/NDF: 5428.4/30

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -31.171+/-0.316 χ^2/NDF: 6505.4/32

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

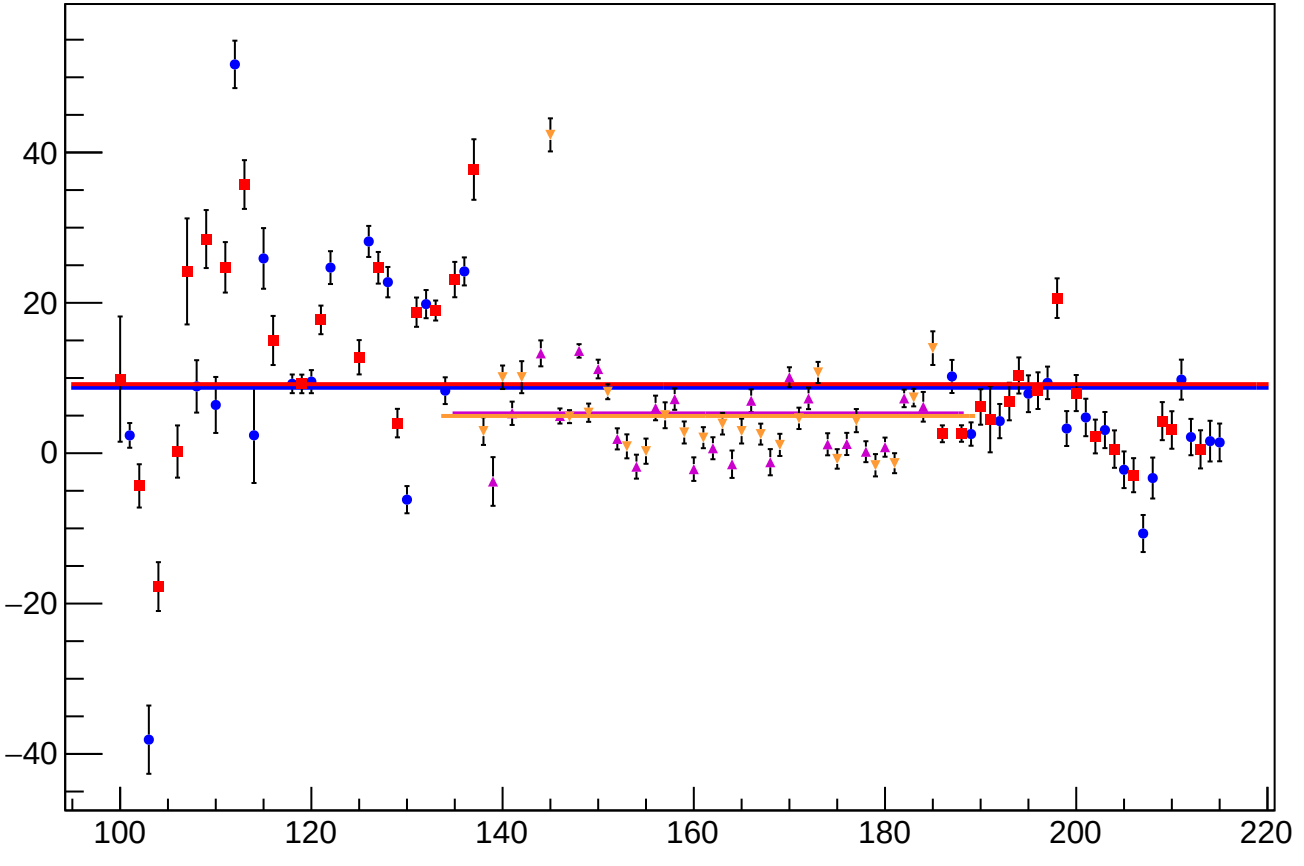
Right: -31.027+/-0.227 χ^2/NDF: 11934.3/63

In: -36.065+/-0.248 χ^2/NDF:8232.8/53

Out: -35.856+/-0.243 χ^2/NDF:9365.4/56

All: -35.958+/-0.173 χ^2/NDF: 17598.5/110

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.705+/-0.392 χ^2/NDF: 847.4/30

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.184+/-0.376 χ^2/NDF: 631.7/32

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

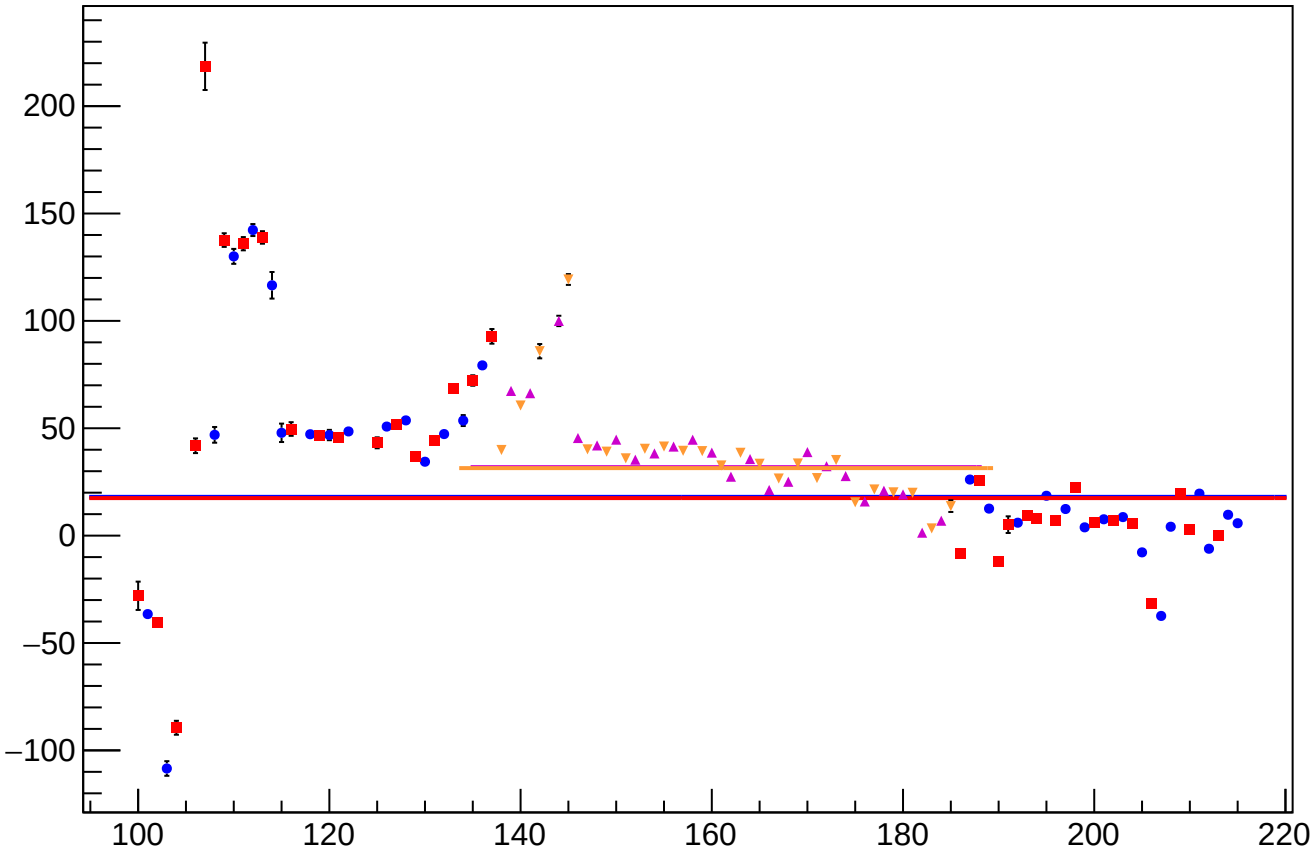
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 8.955+/-0.271 χ^2/NDF: 1479.8/63

In: 6.522+/-0.235 χ^2/NDF:1182.2/53

Out: 6.522+/-0.229 χ^2/NDF:1160.4/56

All: 6.522+/-0.164 χ^2/NDF: 2342.7/110



Right In: 18.055+/-0.327 χ^2/NDF: 11142.3/30

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 17.477+/-0.300 χ^2/NDF: 12835.0/32

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

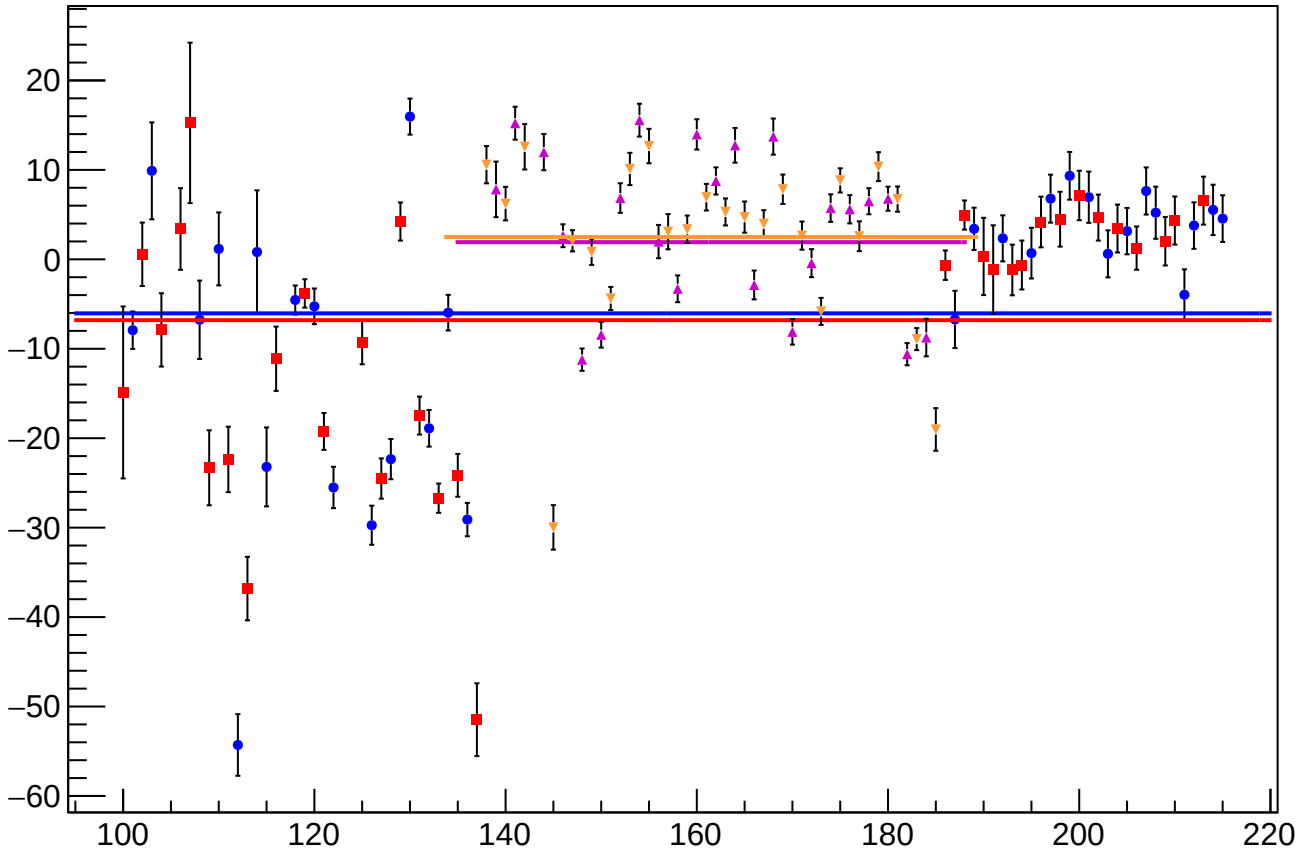
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 17.741+/-0.221 χ^2/NDF: 23979.0/63

In: 23.971+/-0.247 χ^2/NDF:14676.6/53

Out: 22.922+/-0.235 χ^2/NDF:16440.2/56

All: 23.419+/-0.170 χ^2/NDF: 31126.4/110



Right In: -6.040+/-0.455 χ^2/NDF: 995.9/30

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -6.801+/-0.453 χ^2/NDF: 829.6/32

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

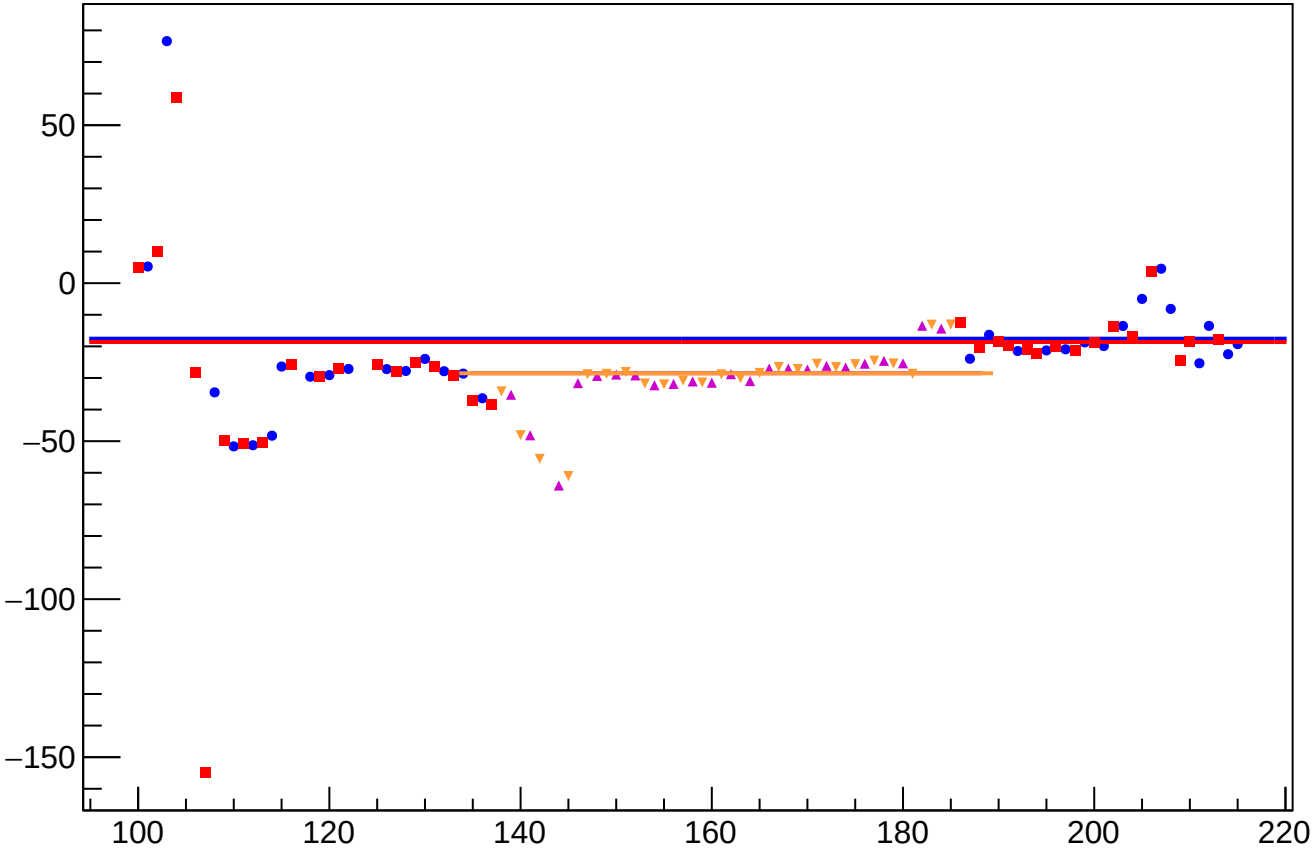
Right: -6.423+/-0.321 χ^2/NDF: 1827.0/63

In: -0.846+/-0.268 χ^2/NDF:1874.6/53

Out: -0.690+/-0.265 χ^2/NDF:1665.6/56

All: -0.767+/-0.188 χ^2/NDF: 3540.4/110

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.570+/-0.021 χ^2/NDF: 732425.8/30

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.621+/-0.021 χ^2/NDF: 625399.2/32

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

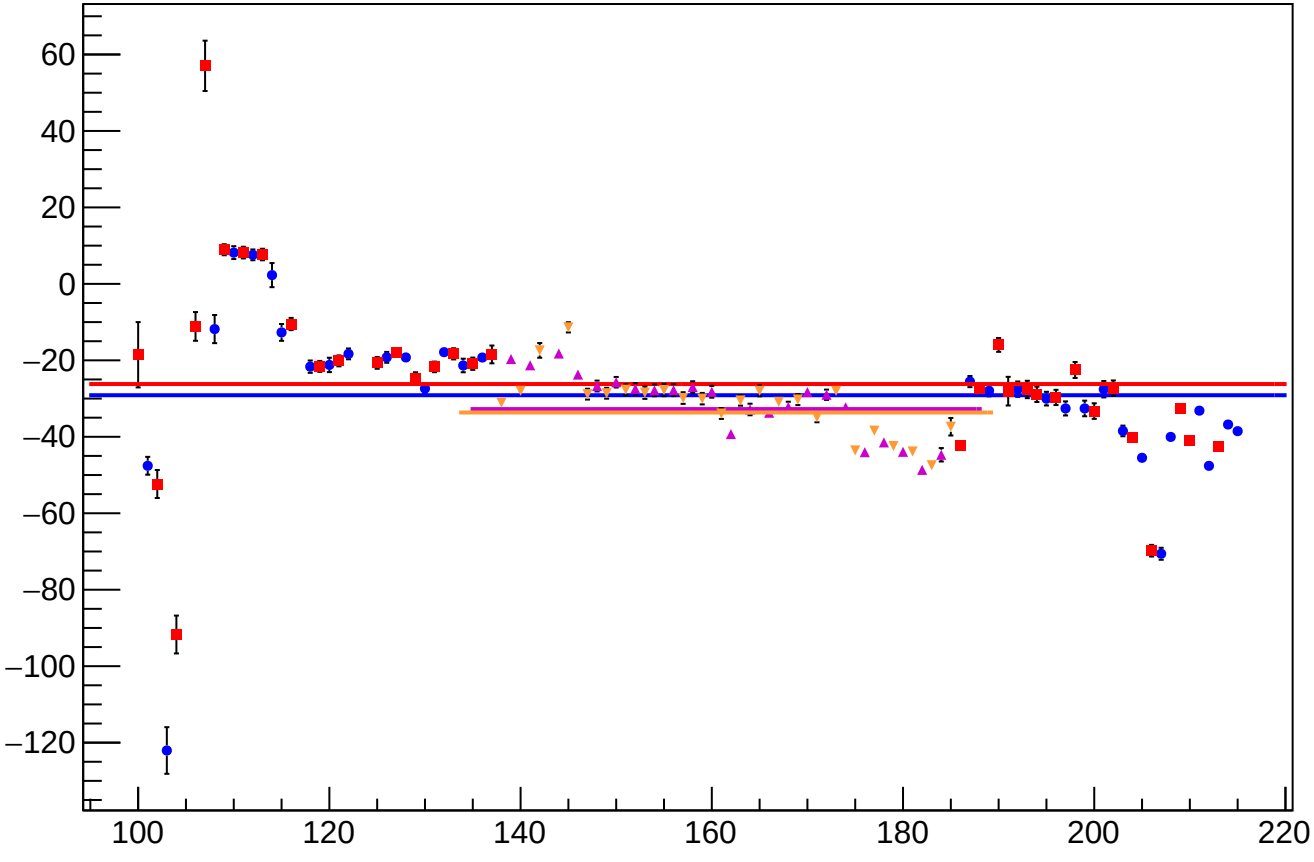
Right: -18.101+/-0.015 χ^2/NDF: 1359051.5/63

In: -24.939+/-0.012 χ^2/NDF:1197321.2/53

Out: -25.261+/-0.012 χ^2/NDF:1106738.1/56

All: -25.101+/-0.009 χ^2/NDF: 2304410.7/110

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.126+/-0.264 χ^2/NDF: 3482.6/30

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -26.201+/-0.270 χ^2/NDF: 3887.6/32

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

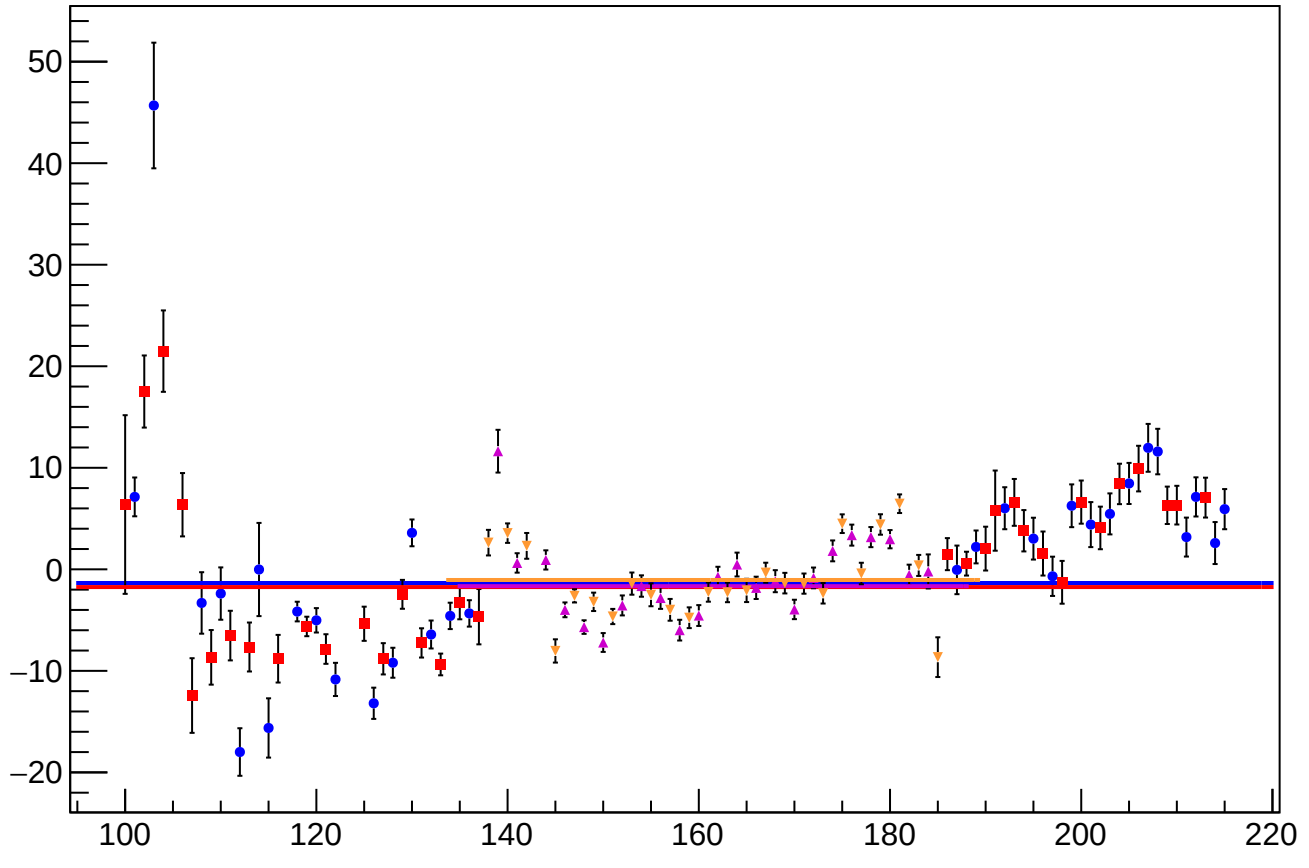
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -27.700+/-0.189 χ^2/NDF: 7430.3/63

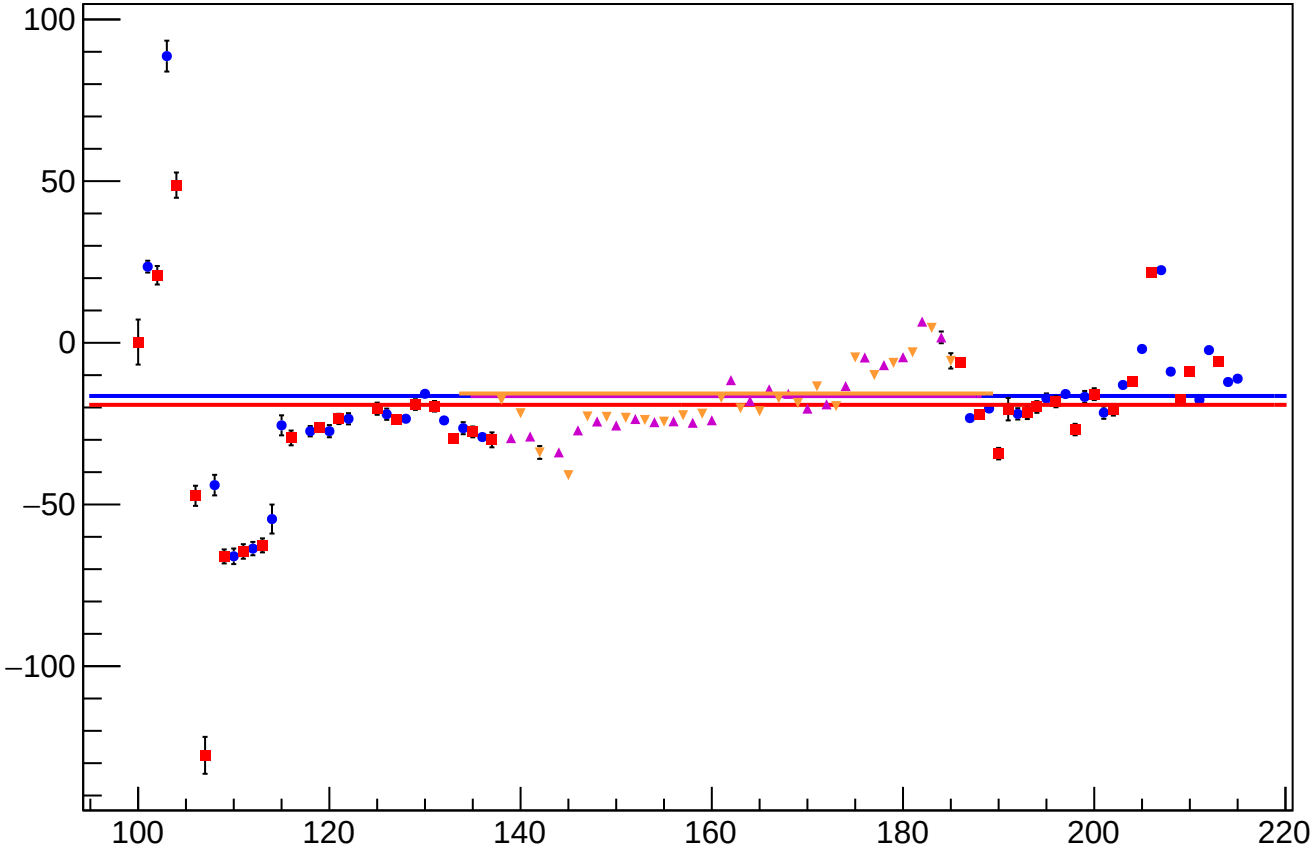
In: -30.903+/-0.188 χ^2/NDF:4718.9/53

Out: -29.993+/-0.189 χ^2/NDF:5290.0/56

All: -30.451+/-0.133 χ^2/NDF: 10020.6/110


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: -1.346+/-0.319 χ²/NDF: 515.2/30
Left Out: -1.050+/-0.203 χ²/NDF:289.4/23
Right Out: -1.747+/-0.321 χ²/NDF: 402.8/32
Left In: -1.659+/-0.207 χ²/NDF:264.4/22
Left: -1.349+/-0.145 χ²/NDF: 558.2/46
Right: -1.545+/-0.226 χ²/NDF: 918.8/63
In: -1.566+/-0.173 χ²/NDF:780.2/53
Out: -1.249+/-0.172 χ²/NDF:695.6/56
All: -1.406+/-0.122 χ²/NDF: 1477.5/110

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -16.437+/-0.273 χ^2/NDF: 3475.6/30

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -19.182+/-0.272 χ^2/NDF: 3723.9/32

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

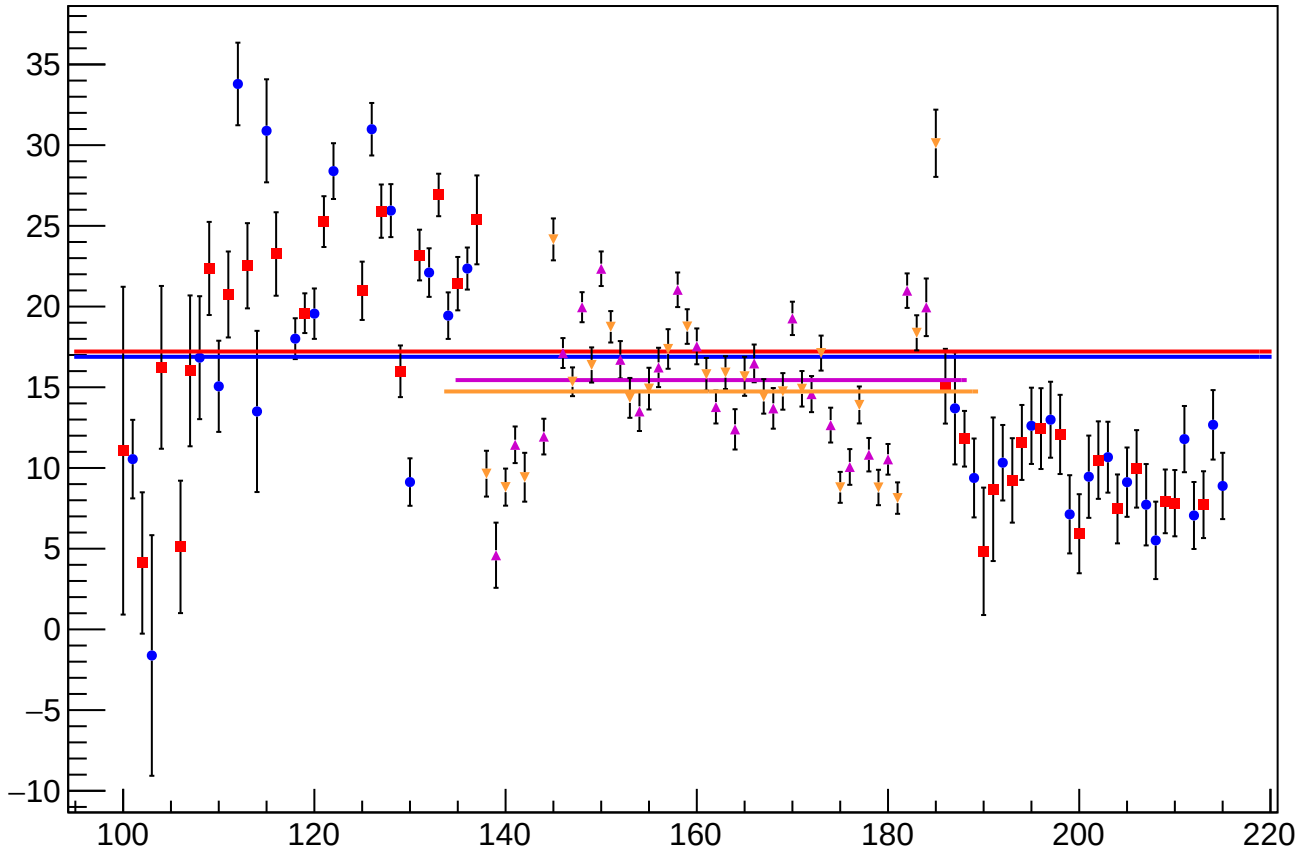
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -17.815+/-0.193 χ^2/NDF: 7250.2/63

In: -16.459+/-0.191 χ^2/NDF:5173.3/53

Out: -17.369+/-0.189 χ^2/NDF:5330.6/56

All: -16.917+/-0.134 χ^2/NDF: 10515.4/110



Right In: 16.887+/-0.364 χ^2/NDF: 444.2/30

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 17.215+/-0.375 χ^2/NDF: 349.8/32

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

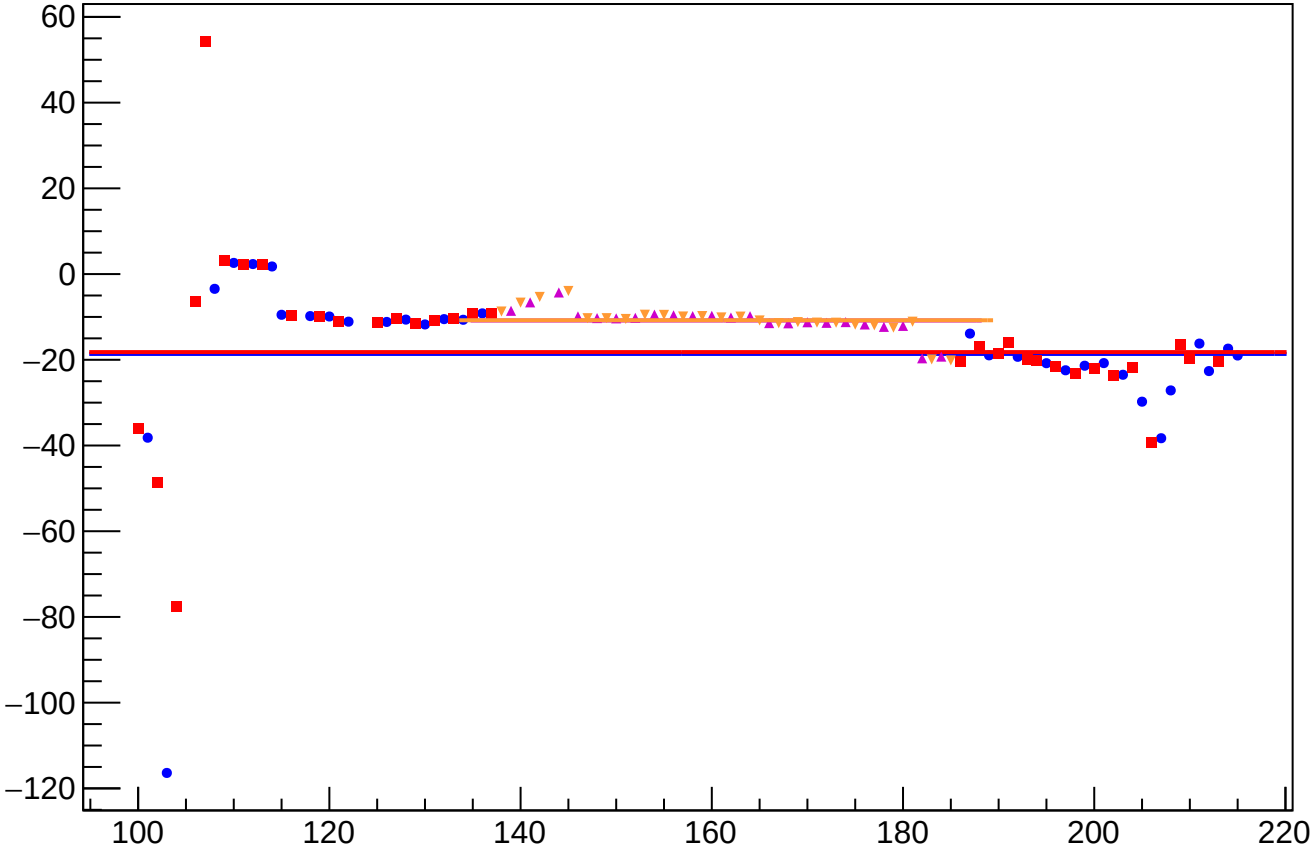
Right: 17.046+/-0.261 χ^2/NDF: 794.5/63

In: 15.864+/-0.196 χ^2/NDF:745.8/53

Out: 15.415+/-0.196 χ^2/NDF:712.5/56

All: 15.639+/-0.139 χ^2/NDF: 1460.9/110

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -18.634+/-0.018 χ^2/NDF: 456319.2/30

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.203+/-0.018 χ^2/NDF: 433272.8/32

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

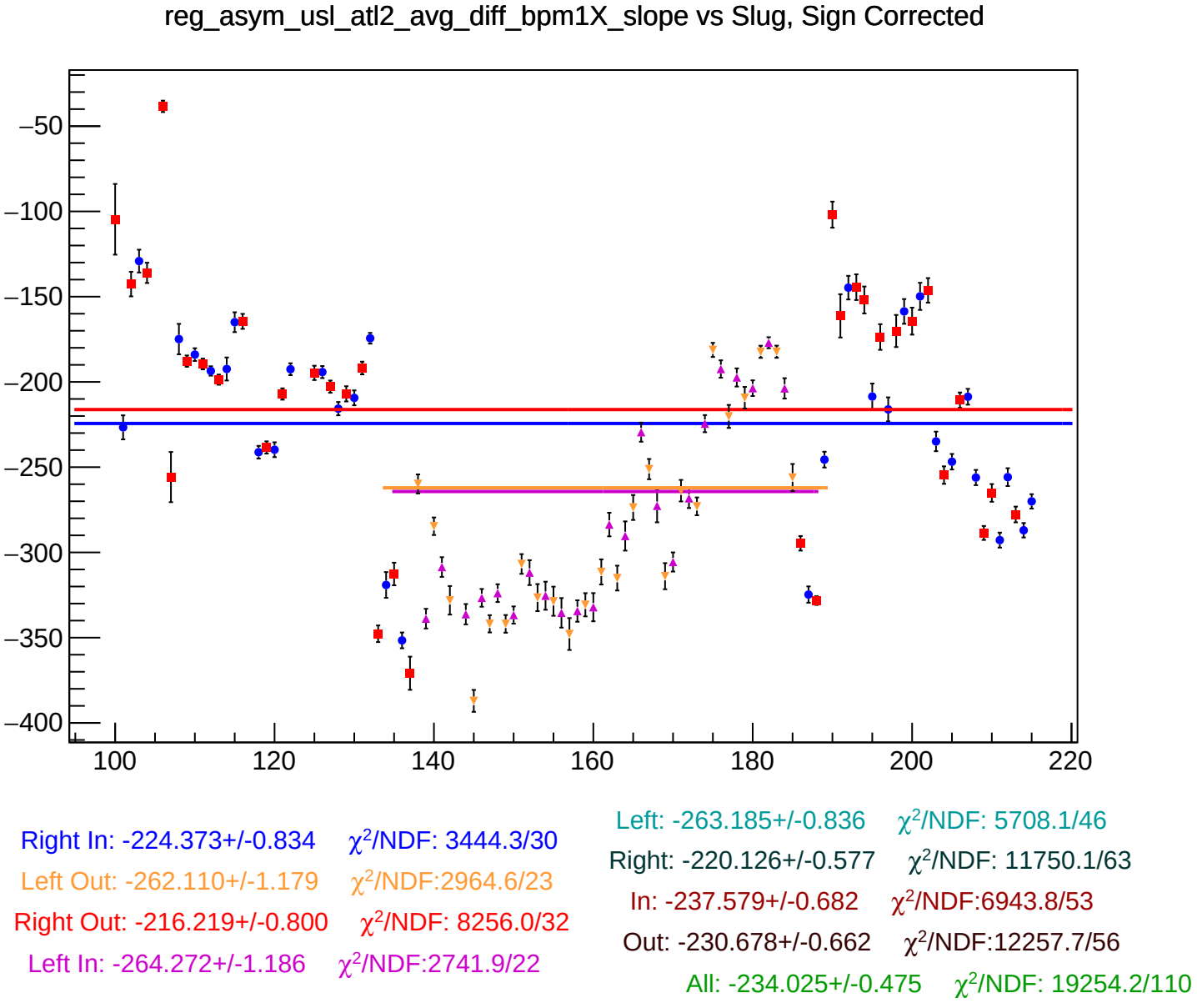
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

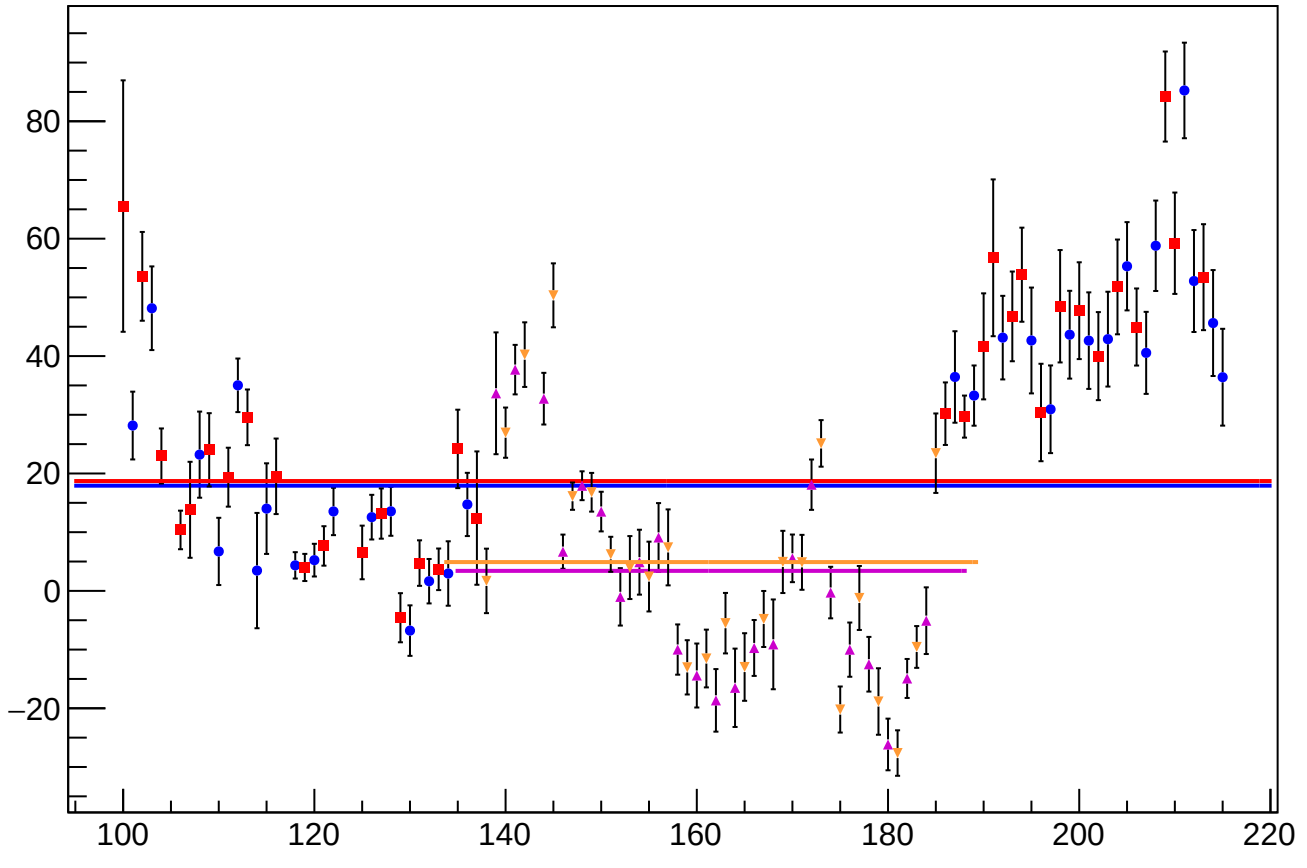
Right: -18.422+/-0.013 χ^2/NDF: 889879.3/63

In: -12.786+/-0.009 χ^2/NDF:673612.0/53

Out: -12.589+/-0.009 χ^2/NDF:645164.2/56

All: -12.688+/-0.006 χ^2/NDF: 1319019.1/110


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
220
Right In: -224.373+/-0.834 χ²/NDF: 3444.3/30
Left Out: -262.110+/-1.179 χ²/NDF:2964.6/23
Right Out: -216.219+/-0.800 χ²/NDF: 8256.0/32
Left In: -264.272+/-1.186 χ²/NDF:2741.9/22
Left: -263.185+/-0.836 χ²/NDF: 5708.1/46
Right: -220.126+/-0.577 χ²/NDF: 11750.1/63
In: -237.579+/-0.682 χ²/NDF:6943.8/53
Out: -230.678+/-0.662 χ²/NDF:12257.7/56
All: -234.025+/-0.475 χ²/NDF: 19254.2/110



Right In: 17.924+/-0.935 χ^2/NDF: 393.2/30

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 18.715+/-0.905 χ^2/NDF: 398.6/32

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

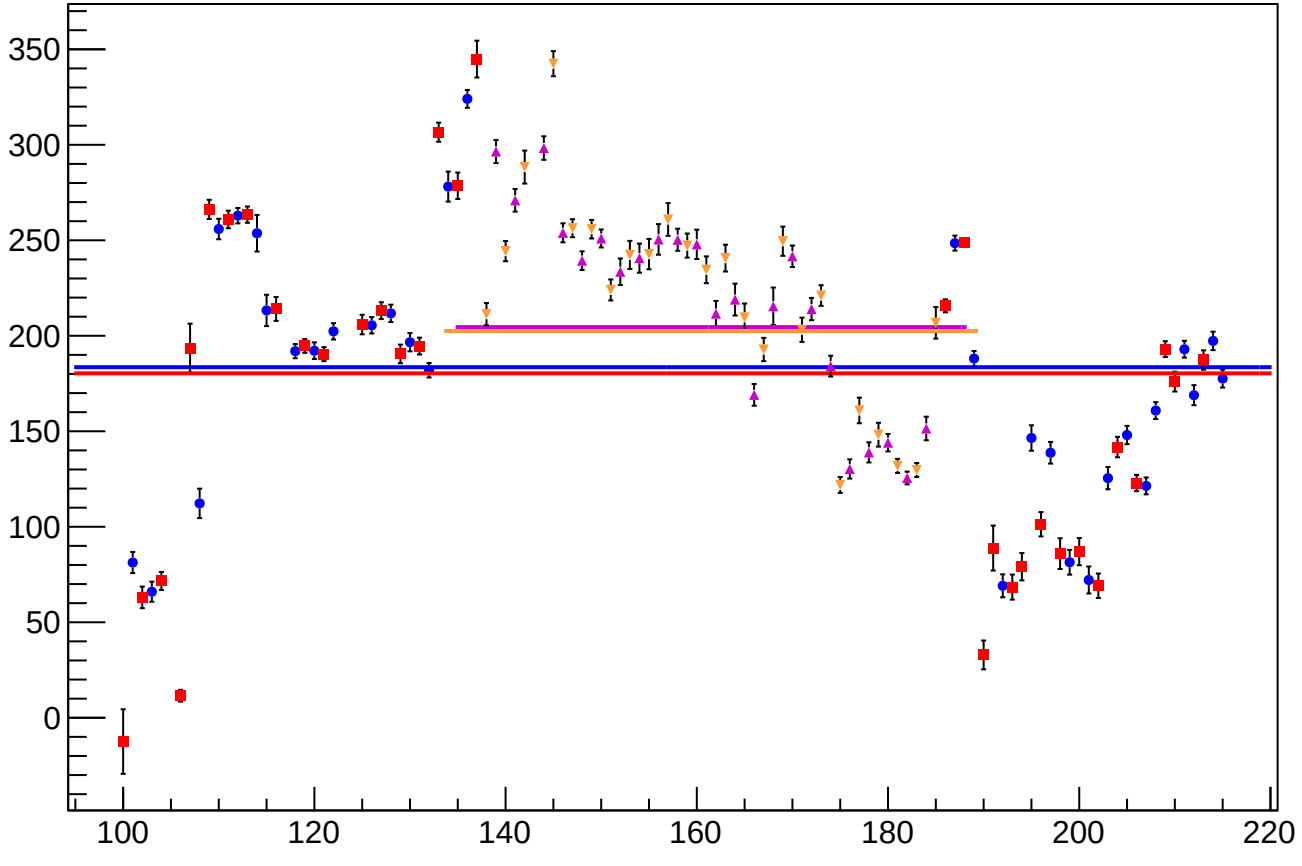
Right: 18.332+/-0.650 χ^2/NDF: 792.1/63

In: 10.395+/-0.649 χ^2/NDF:851.5/53

Out: 11.668+/-0.633 χ^2/NDF:916.3/56

All: 11.047+/-0.453 χ^2/NDF: 1769.8/110

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 183.553+/-0.887 χ^2/NDF: 4339.4/30

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.325+/-0.827 χ^2/NDF: 9500.1/32

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

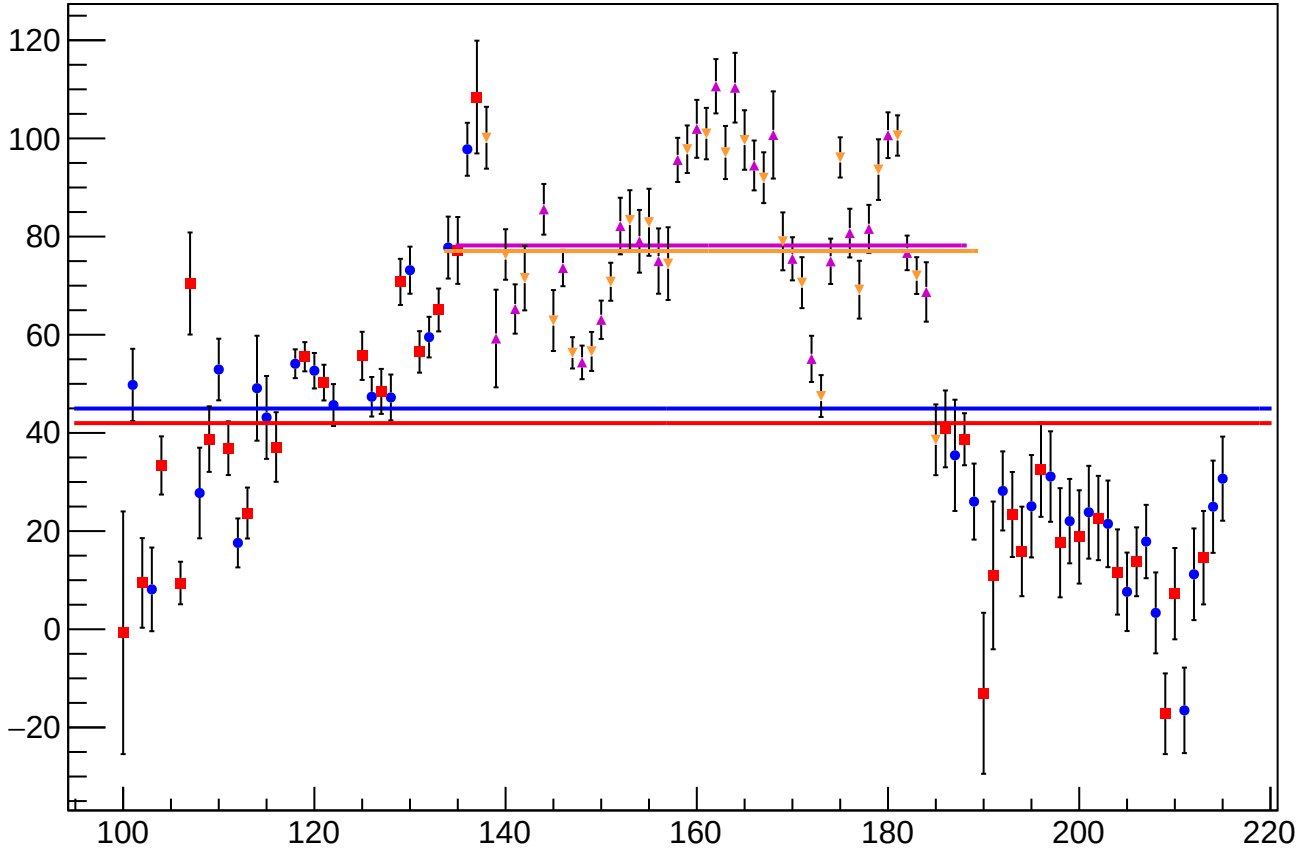
Right: 181.827+/-0.605 χ^2/NDF: 13846.6/63

In: 191.160+/-0.708 χ^2/NDF:6828.2/53

Out: 187.693+/-0.676 χ^2/NDF:12132.7/56

All: 189.345+/-0.489 χ^2/NDF: 18973.4/110

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.969+/-1.088 χ^2/NDF: 406.0/30

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 42.000+/-1.067 χ^2/NDF: 416.8/32

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

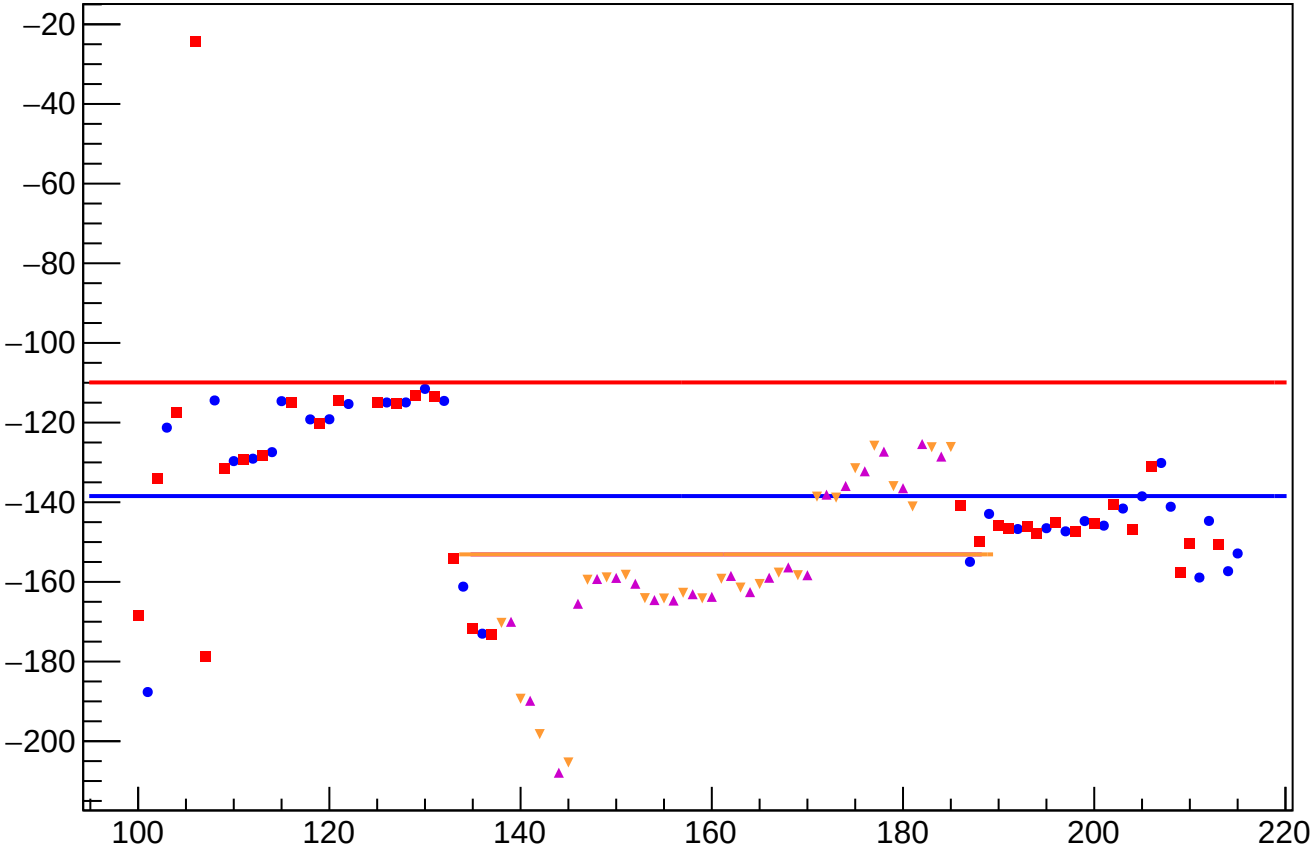
Right: 43.456+/-0.762 χ^2/NDF: 826.6/63

In: 62.556+/-0.746 χ^2/NDF:1132.2/53

Out: 60.404+/-0.736 χ^2/NDF:1294.8/56

All: 61.465+/-0.524 χ^2/NDF: 2431.2/110

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -138.451+/-0.059 χ^2/NDF: 109254.1/30

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -109.920+/-0.051 χ^2/NDF: 1018802.4/32

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

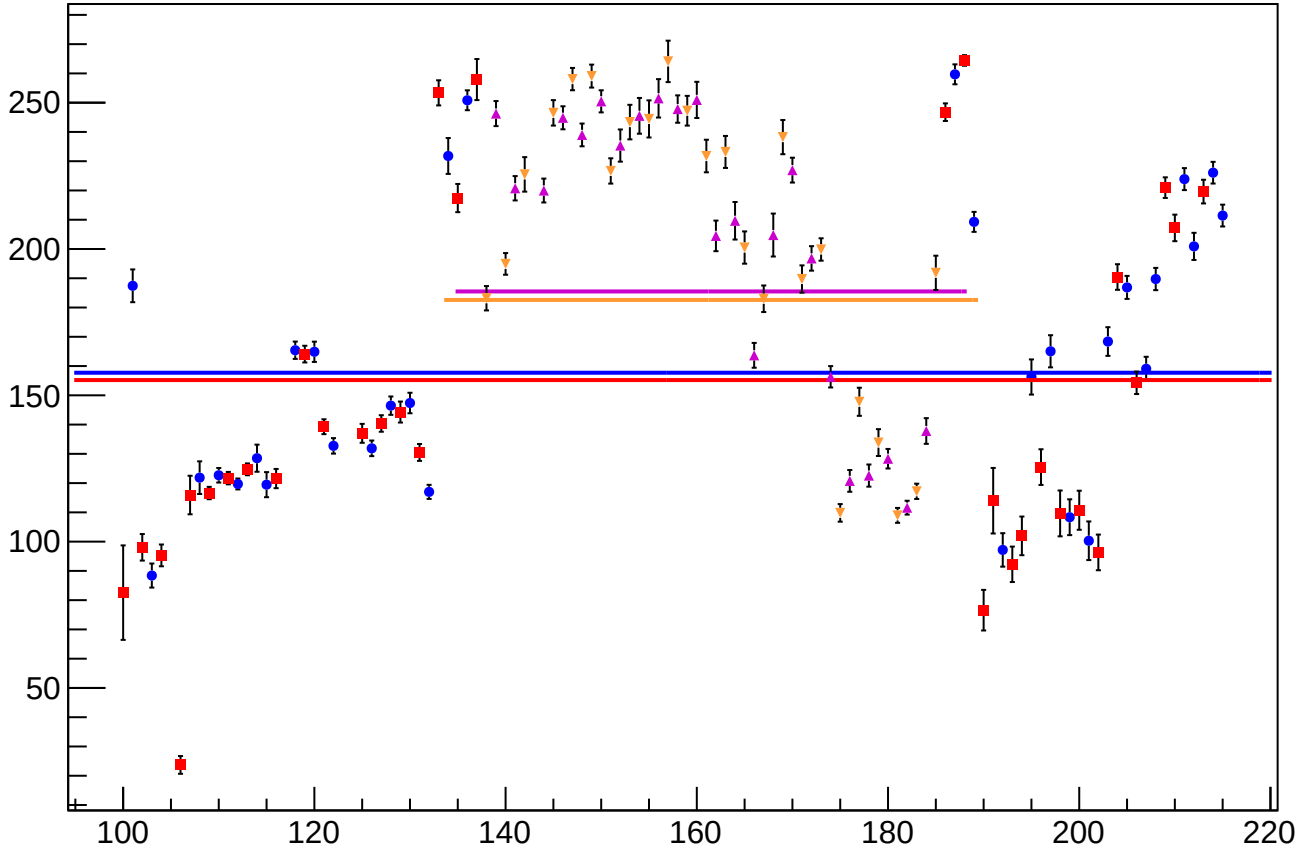
Right: -122.114+/-0.038 χ^2/NDF: 1262493.3/63

In: -147.455+/-0.037 χ^2/NDF:313951.4/53

Out: -133.247+/-0.034 χ^2/NDF:1585490.1/56

All: -139.938+/-0.025 χ^2/NDF: 1979354.8/11

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 157.717+/-0.641 χ^2/NDF: 4940.4/30

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 155.210+/-0.603 χ^2/NDF: 10242.1/32

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

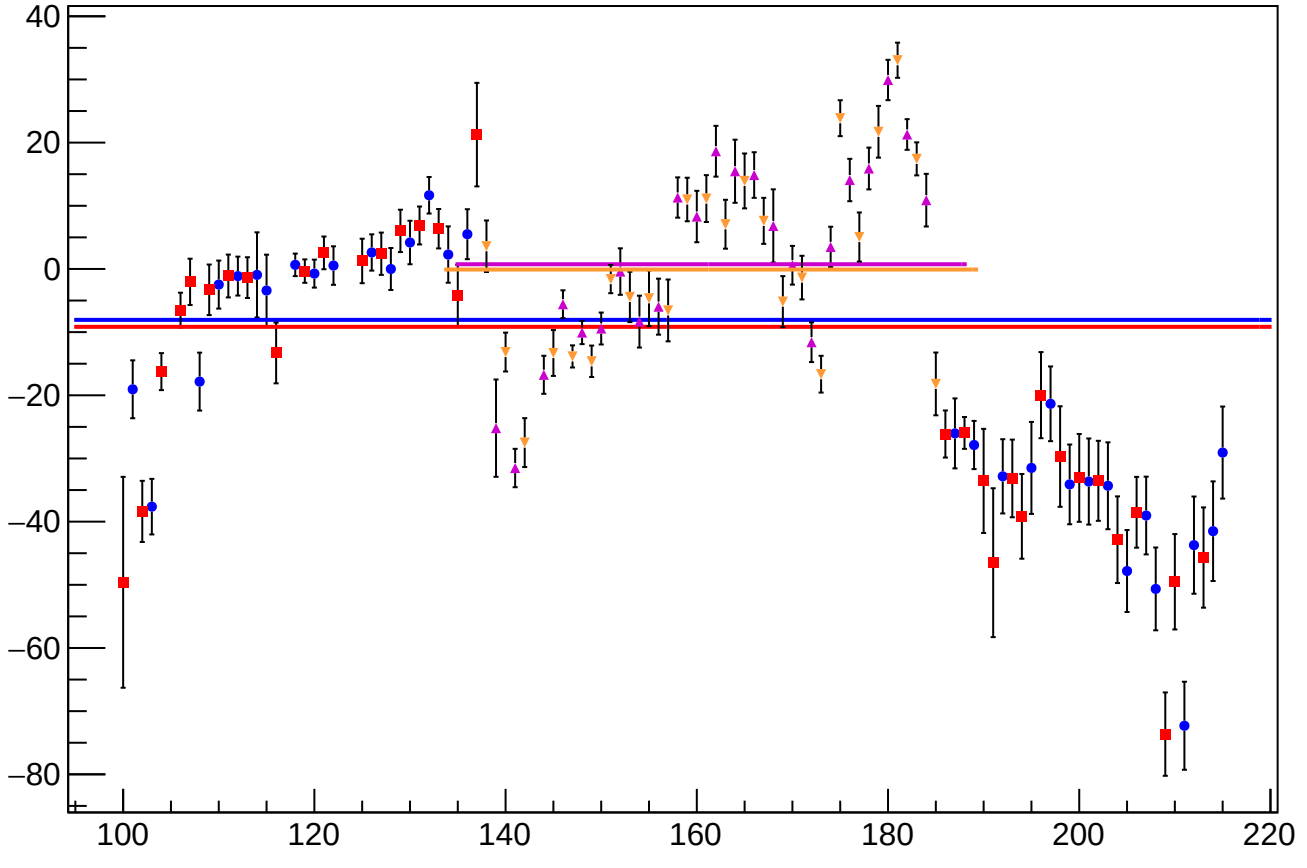
Right: 156.387+/-0.439 χ^2/NDF: 15190.6/63

In: 167.453+/-0.516 χ^2/NDF:9421.2/53

Out: 164.146+/-0.495 χ^2/NDF:15067.9/56

All: 165.729+/-0.357 χ^2/NDF: 24510.5/110

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.057+/-0.721 χ^2/NDF: 557.4/30

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -9.162+/-0.687 χ^2/NDF: 571.7/32

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

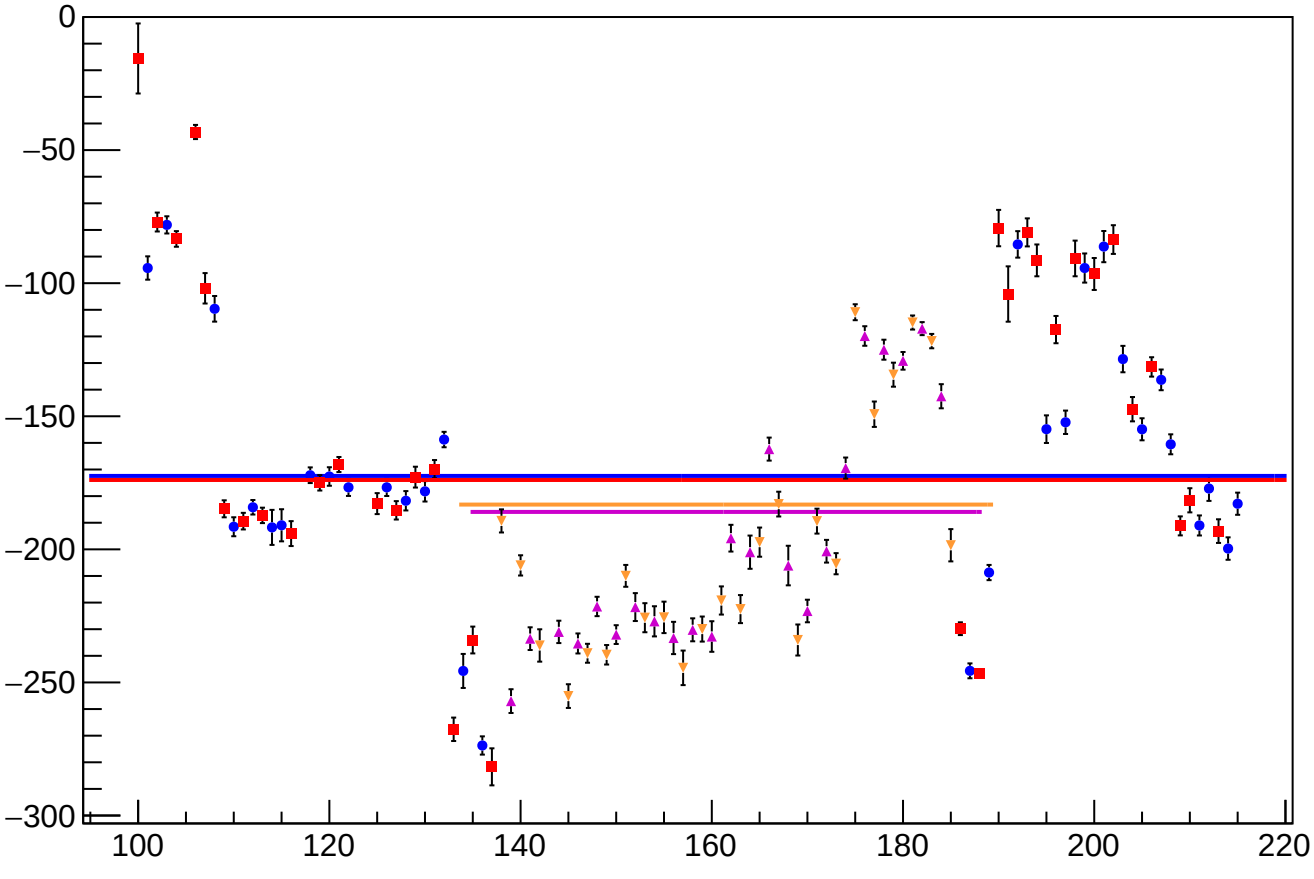
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -8.637+/-0.497 χ^2/NDF: 1130.3/63

In: -3.300+/-0.489 χ^2/NDF:1135.7/53

Out: -4.411+/-0.474 χ^2/NDF:1218.4/56

All: -3.873+/-0.340 χ^2/NDF: 2356.8/110



Right In: -172.410+/-0.686 χ^2/NDF: 4313.8/30

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -173.934+/-0.625 χ^2/NDF: 10043.5/32

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

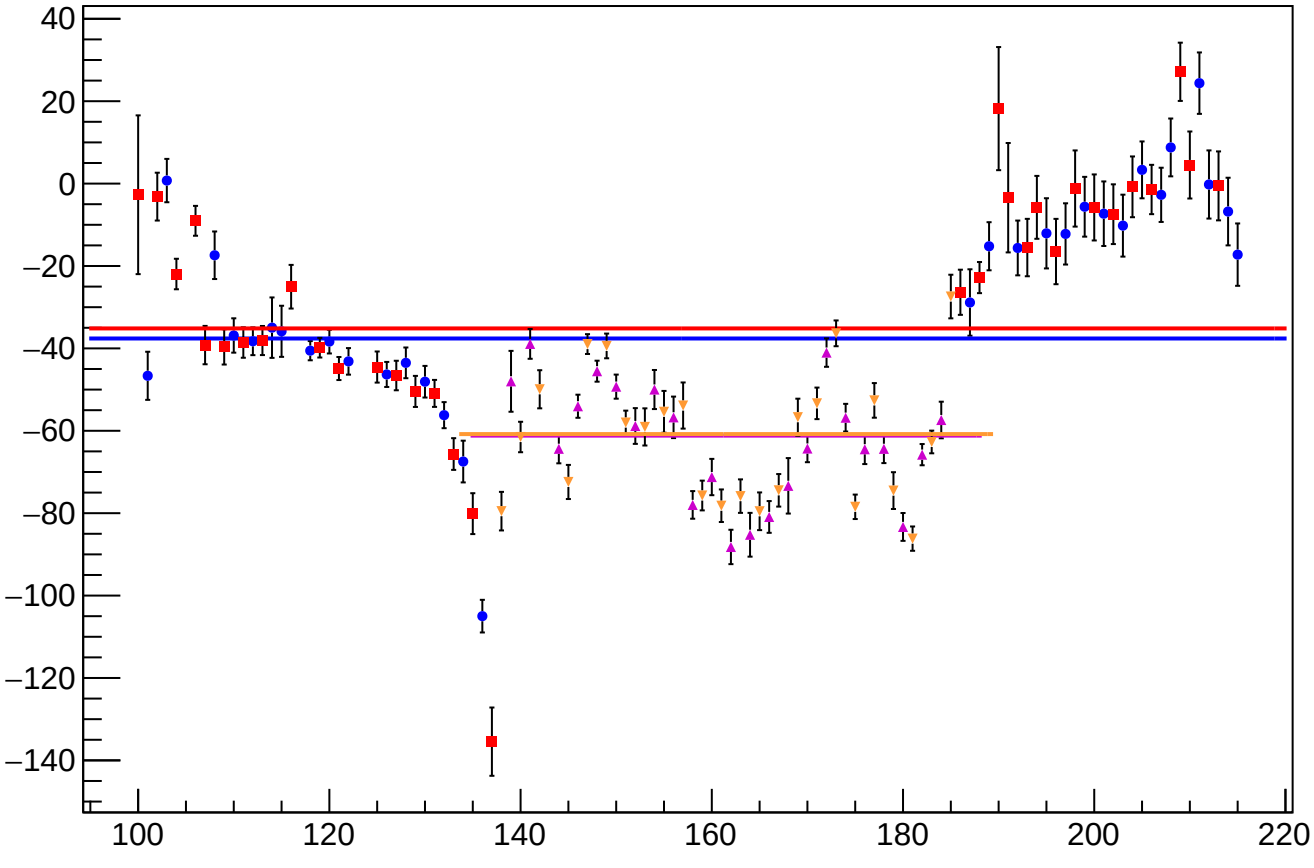
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.243+/-0.462 χ^2/NDF: 14360.0/63

In: -177.618+/-0.538 χ^2/NDF:7645.0/53

Out: -177.119+/-0.506 χ^2/NDF:13479.9/56

All: -177.353+/-0.369 χ^2/NDF: 21125.4/110



Right In: -37.597+/-0.839 χ^2/NDF: 762.5/30

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -35.154+/-0.811 χ^2/NDF: 741.7/32

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

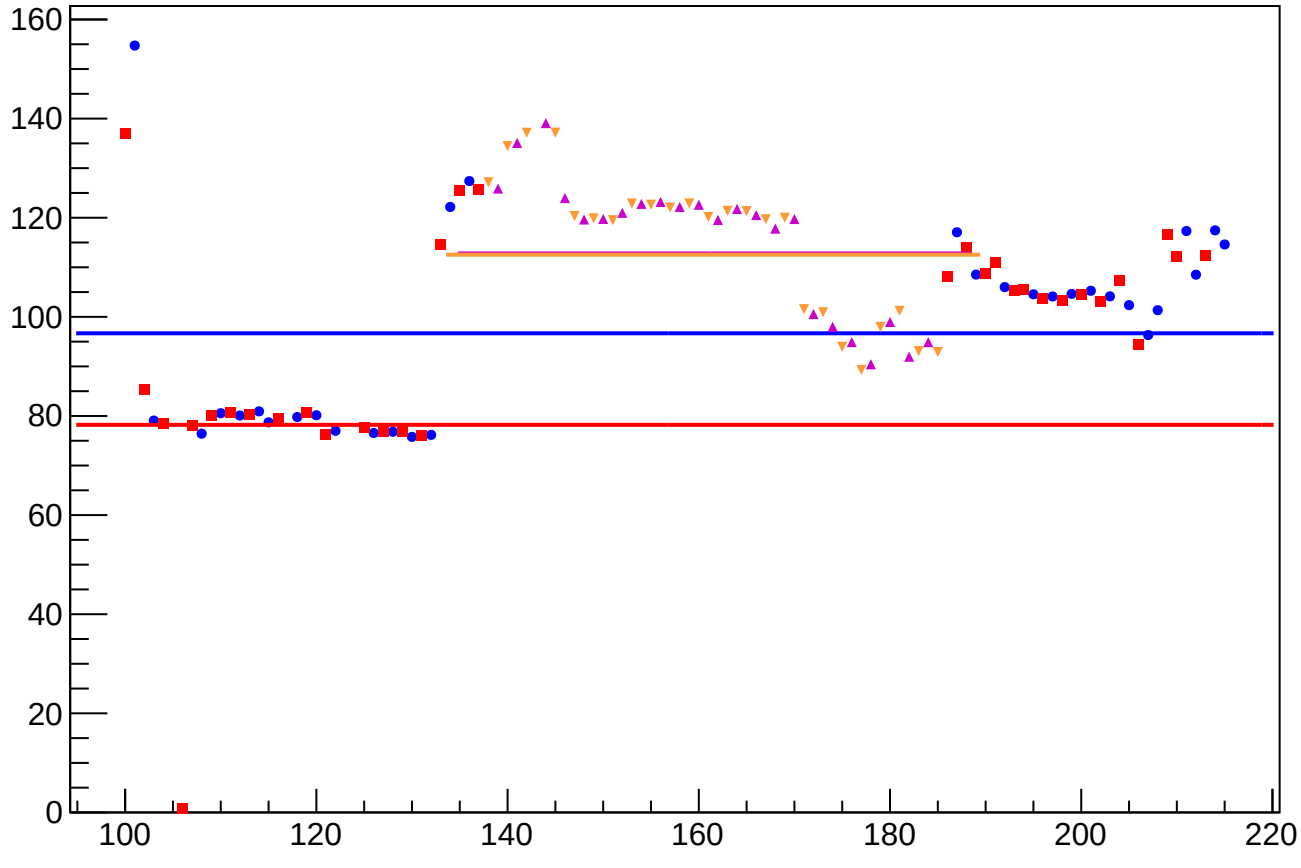
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -36.334+/-0.583 χ^2/NDF: 1508.6/63

In: -50.602+/-0.562 χ^2/NDF:1514.5/53

Out: -49.004+/-0.550 χ^2/NDF:1755.1/56

All: -49.786+/-0.393 χ^2/NDF: 3273.7/110



Right In: 96.682+/-0.045 χ^2/NDF: 192238.6/30

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.207+/-0.040 χ^2/NDF: 912798.6/32

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

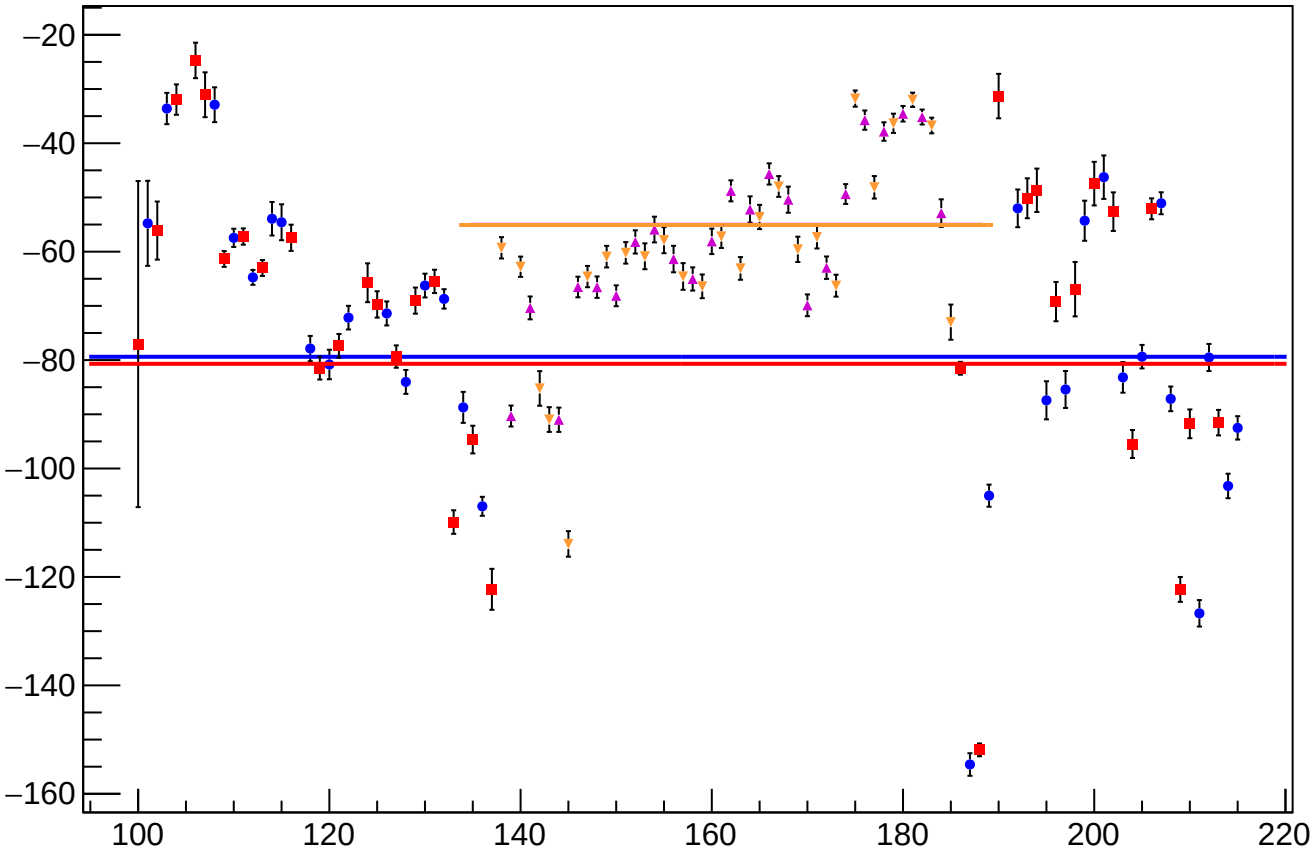
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 86.328+/-0.030 χ^2/NDF: 1197974.8/63

In: 106.906+/-0.027 χ^2/NDF:443924.4/53

Out: 97.929+/-0.026 χ^2/NDF:1506723.7/56

All: 102.214+/-0.019 χ^2/NDF: 2006646.6/110



Right In: -79.391+/-0.423 χ^2/NDF: 3615.1/30

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.687+/-0.395 χ^2/NDF: 6552.0/32

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

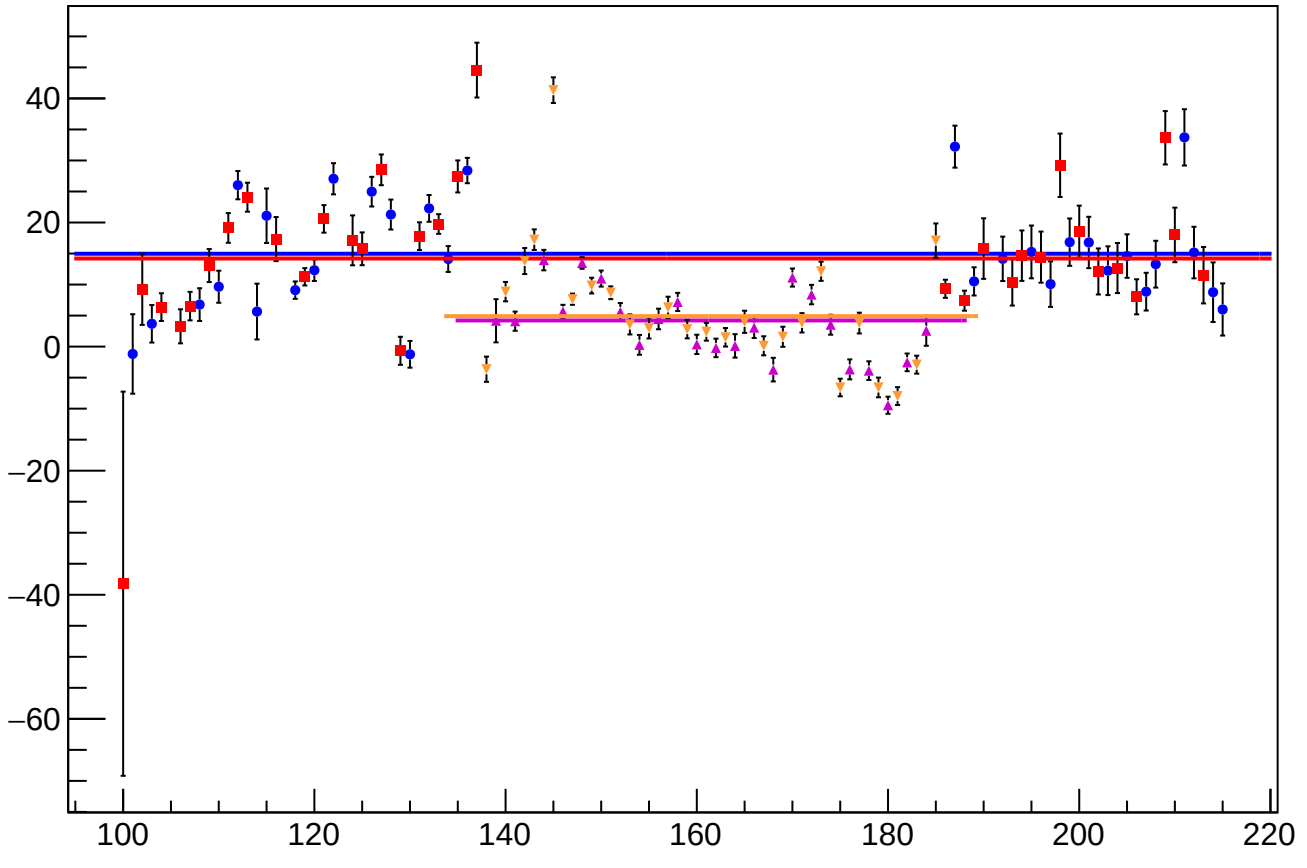
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -80.084+/-0.289 χ^2/NDF: 10172.1/63

In: -66.848+/-0.295 χ^2/NDF:6861.4/53

Out: -68.071+/-0.281 χ^2/NDF:10628.9/57

All: -67.488+/-0.203 χ^2/NDF: 17499.3/111



Right In: 14.967+/-0.493 χ^2/NDF: 302.7/30

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.197+/-0.456 χ^2/NDF: 311.3/32

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

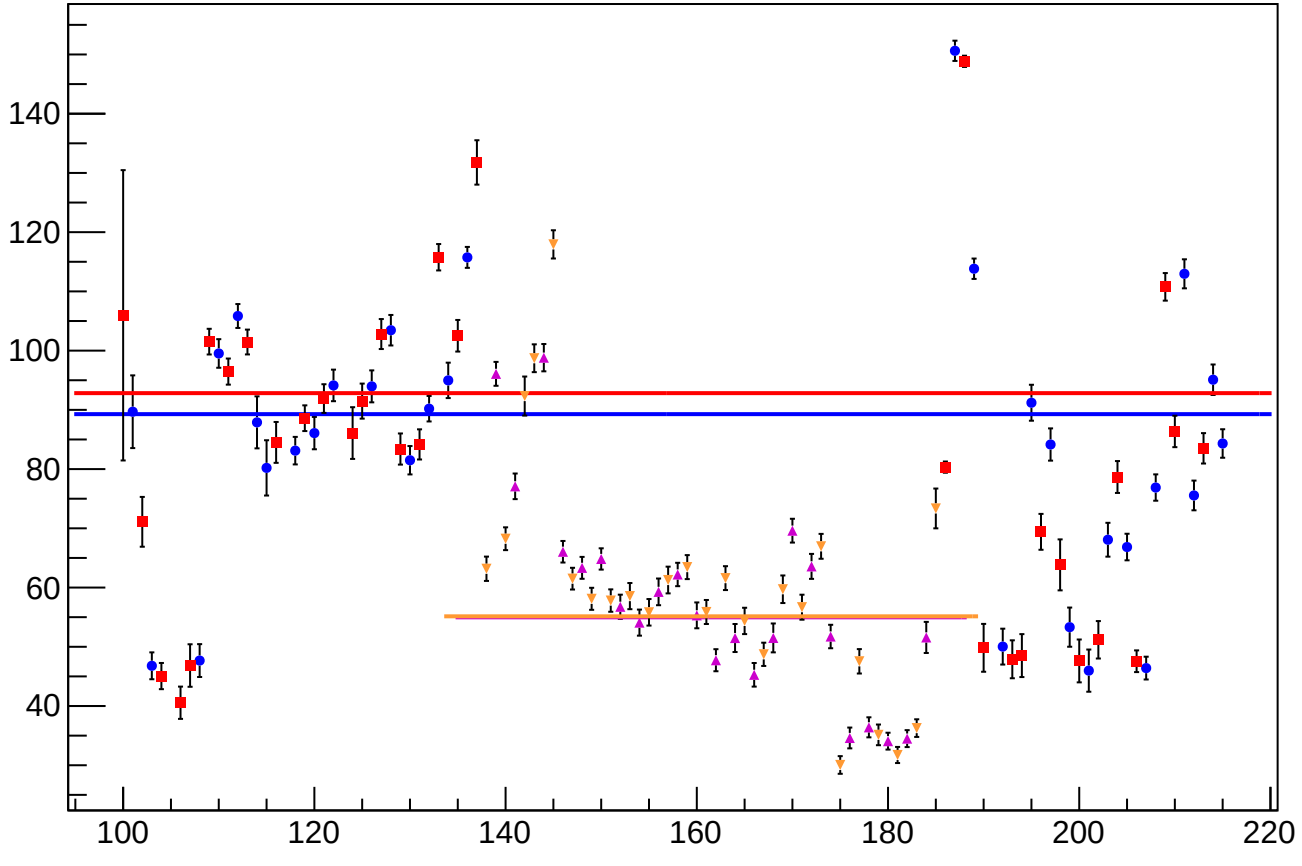
Right: 14.552+/-0.335 χ^2/NDF: 615.3/63

In: 7.292+/-0.264 χ^2/NDF:1056.8/53

Out: 7.732+/-0.251 χ^2/NDF:1341.4/57

All: 7.523+/-0.182 χ^2/NDF: 2399.7/111

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.278+/-0.444 χ^2/NDF: 3692.8/30

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.824+/-0.397 χ^2/NDF: 6611.7/32

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

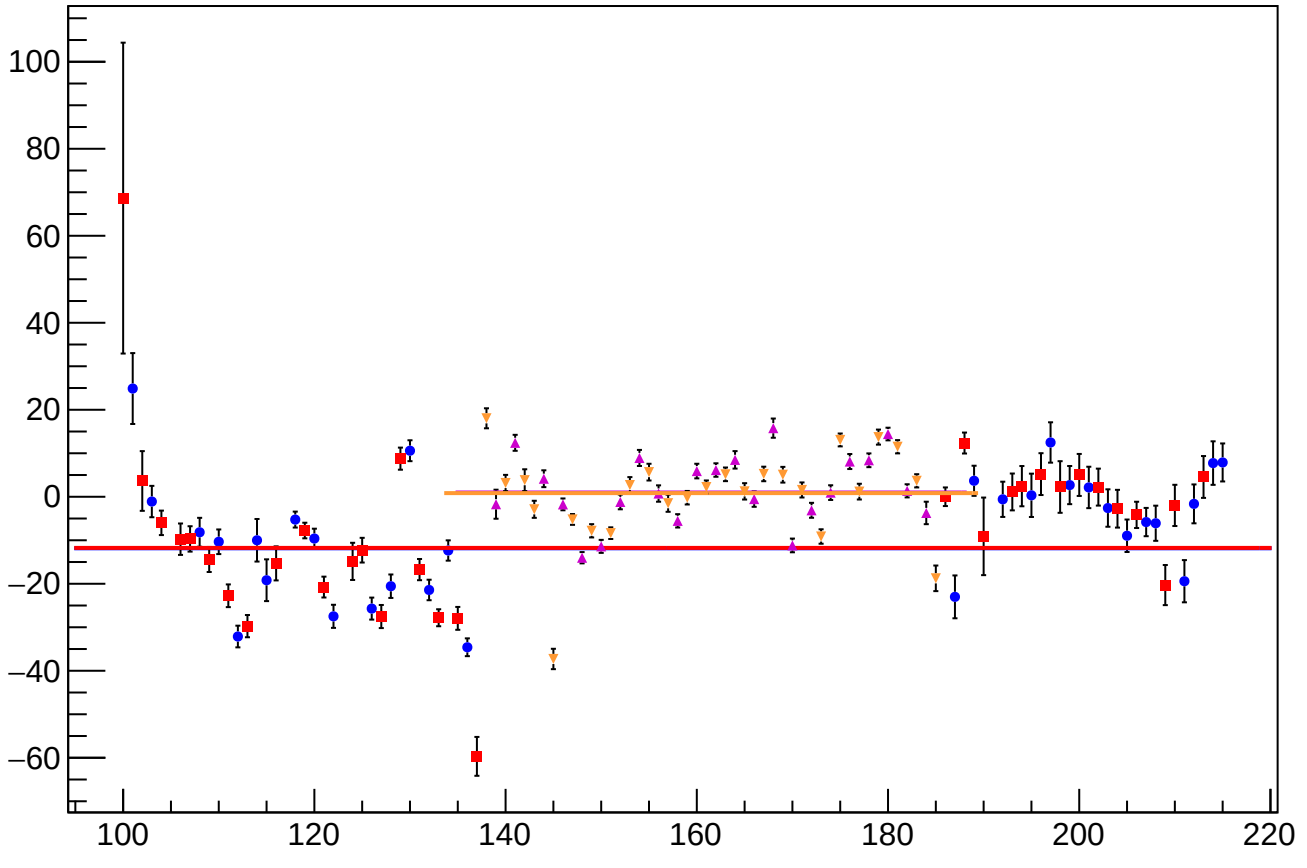
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 91.246+/-0.296 χ^2/NDF: 10340.0/63

In: 70.593+/-0.299 χ^2/NDF:8731.0/53

Out: 73.974+/-0.281 χ^2/NDF:13358.6/57

All: 72.392+/-0.205 χ^2/NDF: 22157.5/111



Right In: -11.844+/-0.569 χ^2/NDF: 556.1/30

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -11.756+/-0.543 χ^2/NDF: 649.1/32

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

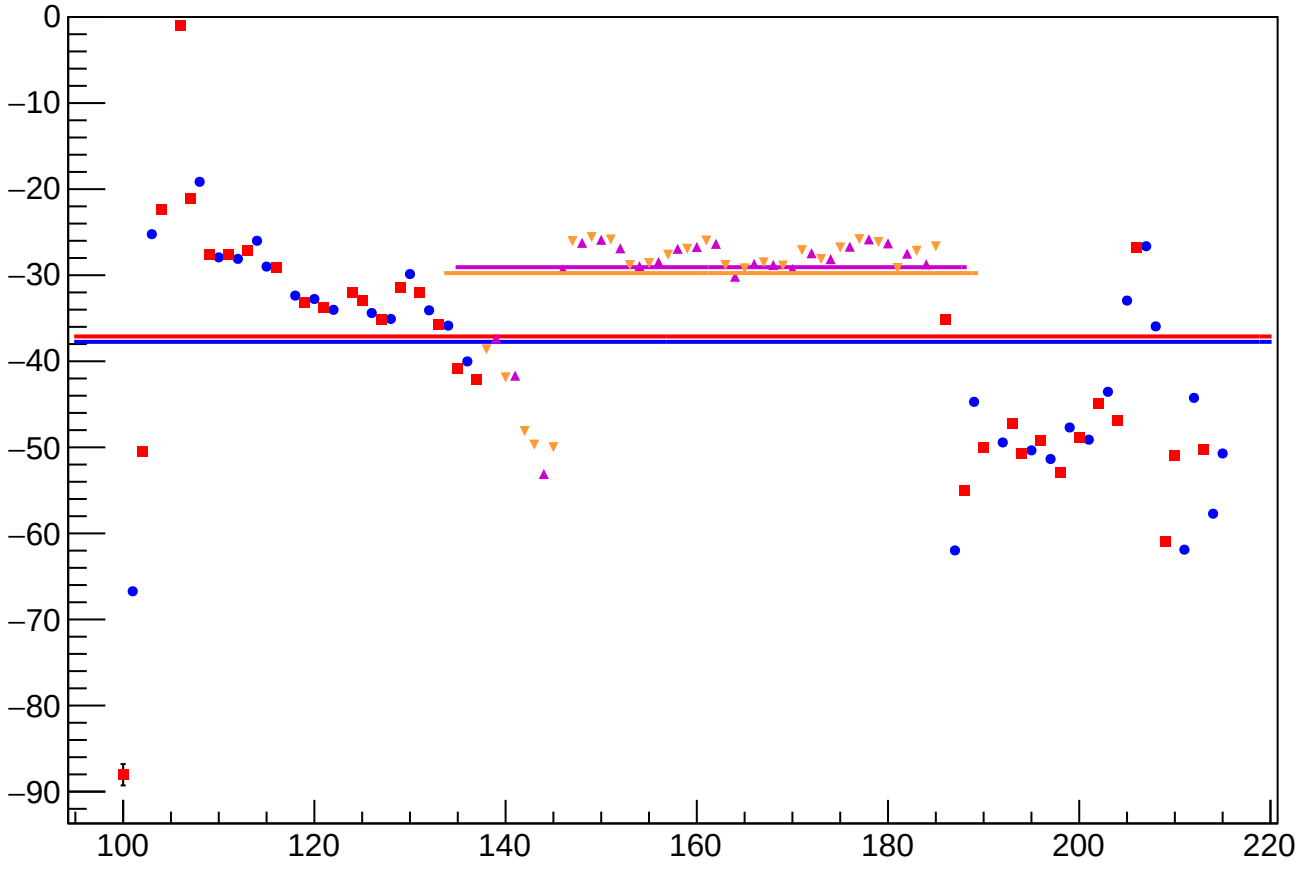
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -11.798+/-0.393 χ^2/NDF: 1205.1/63

In: -2.593+/-0.300 χ^2/NDF:1481.6/53

Out: -2.748+/-0.290 χ^2/NDF:1750.6/57

All: -2.673+/-0.209 χ^2/NDF: 3232.3/111



Right In: -37.742+/-0.028 χ^2/NDF: 141244.6/30

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -37.114+/-0.028 χ^2/NDF: 232866.6/32

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

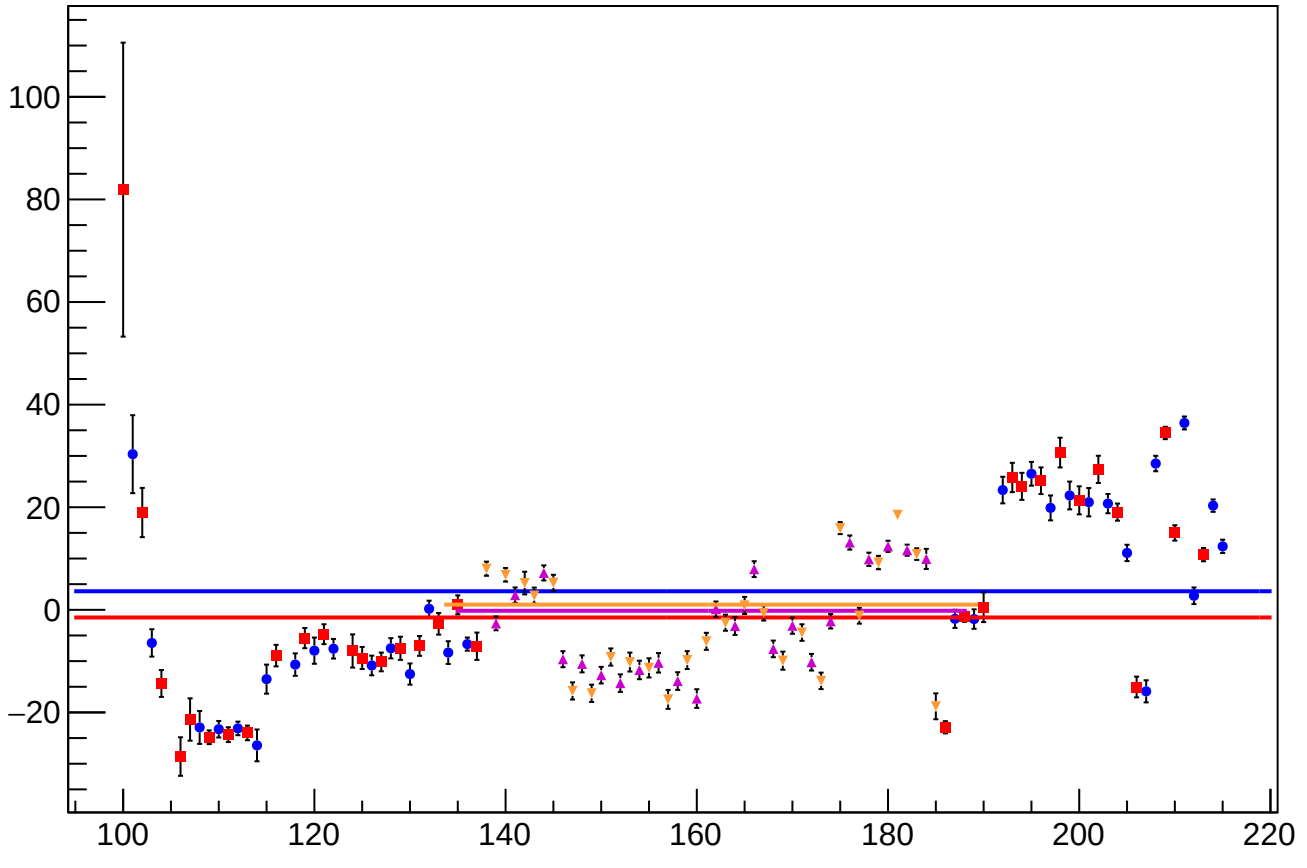
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.425+/-0.020 χ^2/NDF: 374359.7/63

In: -31.129+/-0.014 χ^2/NDF:314475.6/53

Out: -31.489+/-0.014 χ^2/NDF:449073.2/57

All: -31.311+/-0.010 χ^2/NDF: 763894.1/111



Right In: 3.621+/-0.333 χ^2/NDF: 2935.5/30

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -1.491+/-0.329 χ^2/NDF: 3231.6/32

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

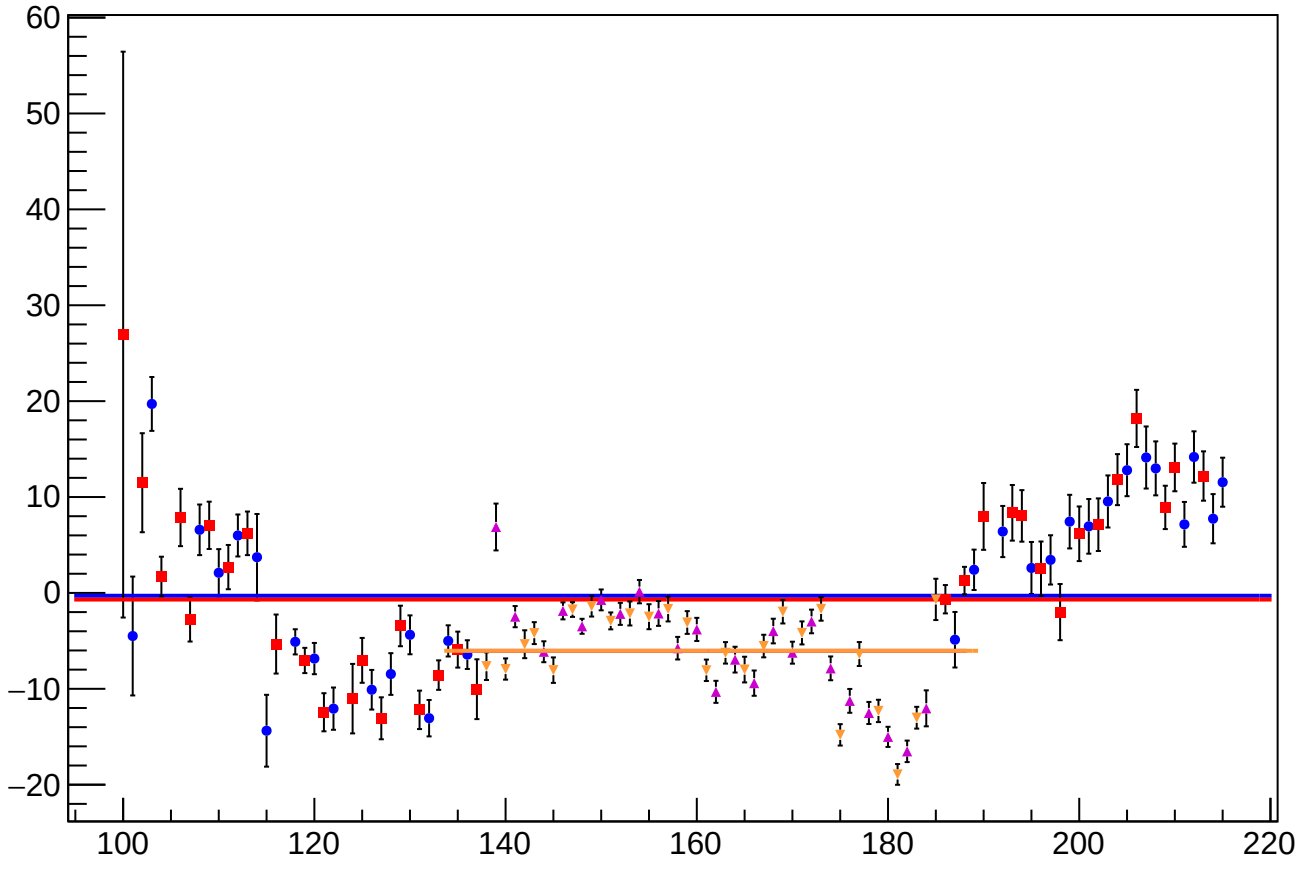
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: 1.034+/-0.234 χ^2/NDF: 6286.7/63

In: 1.608+/-0.229 χ^2/NDF:3987.6/53

Out: -0.144+/-0.223 χ^2/NDF:4598.0/57

All: 0.712+/-0.160 χ^2/NDF: 8615.7/111



Right In: -0.296+/-0.412 χ^2/NDF: 428.2/30

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -0.690+/-0.397 χ^2/NDF: 403.6/32

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

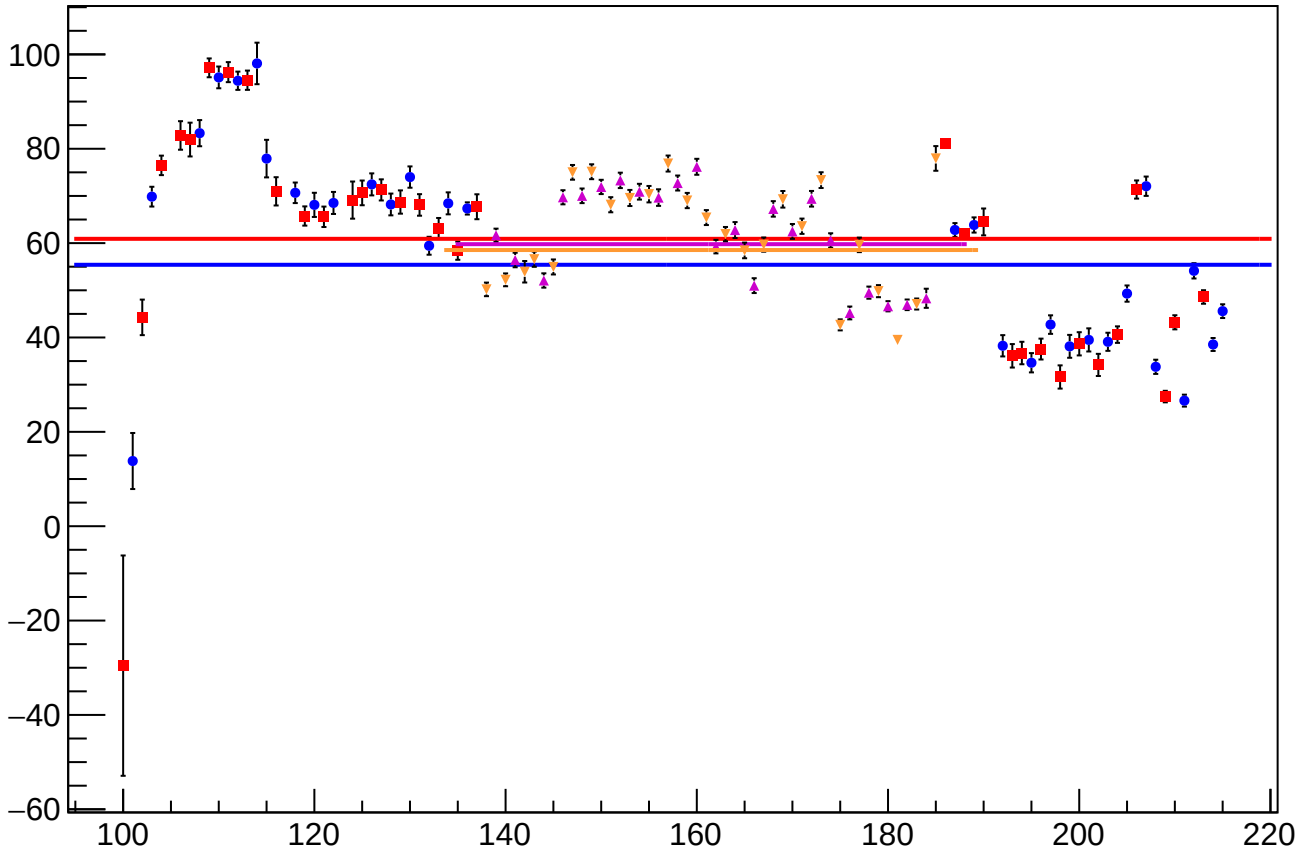
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -0.501+/-0.286 χ^2/NDF: 832.2/63

In: -4.563+/-0.209 χ^2/NDF:968.7/53

Out: -4.663+/-0.201 χ^2/NDF:953.3/57

All: -4.615+/-0.145 χ^2/NDF: 1922.1/111



Right In: 55.409+/-0.347 χ^2/NDF: 2825.8/30

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 60.911+/-0.331 χ^2/NDF: 3386.2/32

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

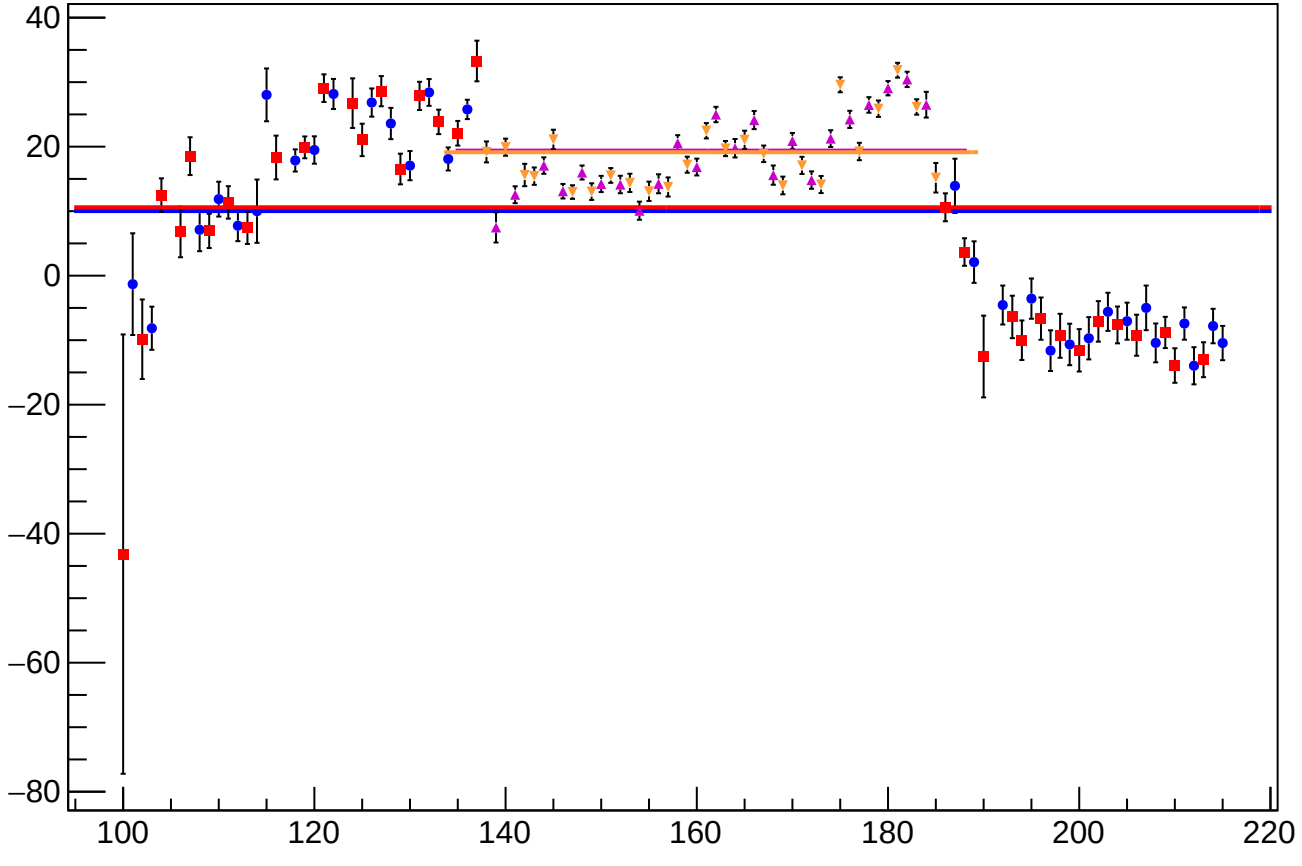
Right: 58.288+/-0.239 χ^2/NDF: 6343.7/63

In: 57.827+/-0.232 χ^2/NDF:3984.1/53

Out: 59.618+/-0.223 χ^2/NDF:4863.5/57

All: 58.755+/-0.161 χ^2/NDF: 8878.6/111

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.015+/-0.468 χ^2/NDF: 987.5/30

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 10.603+/-0.465 χ^2/NDF: 973.7/32

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

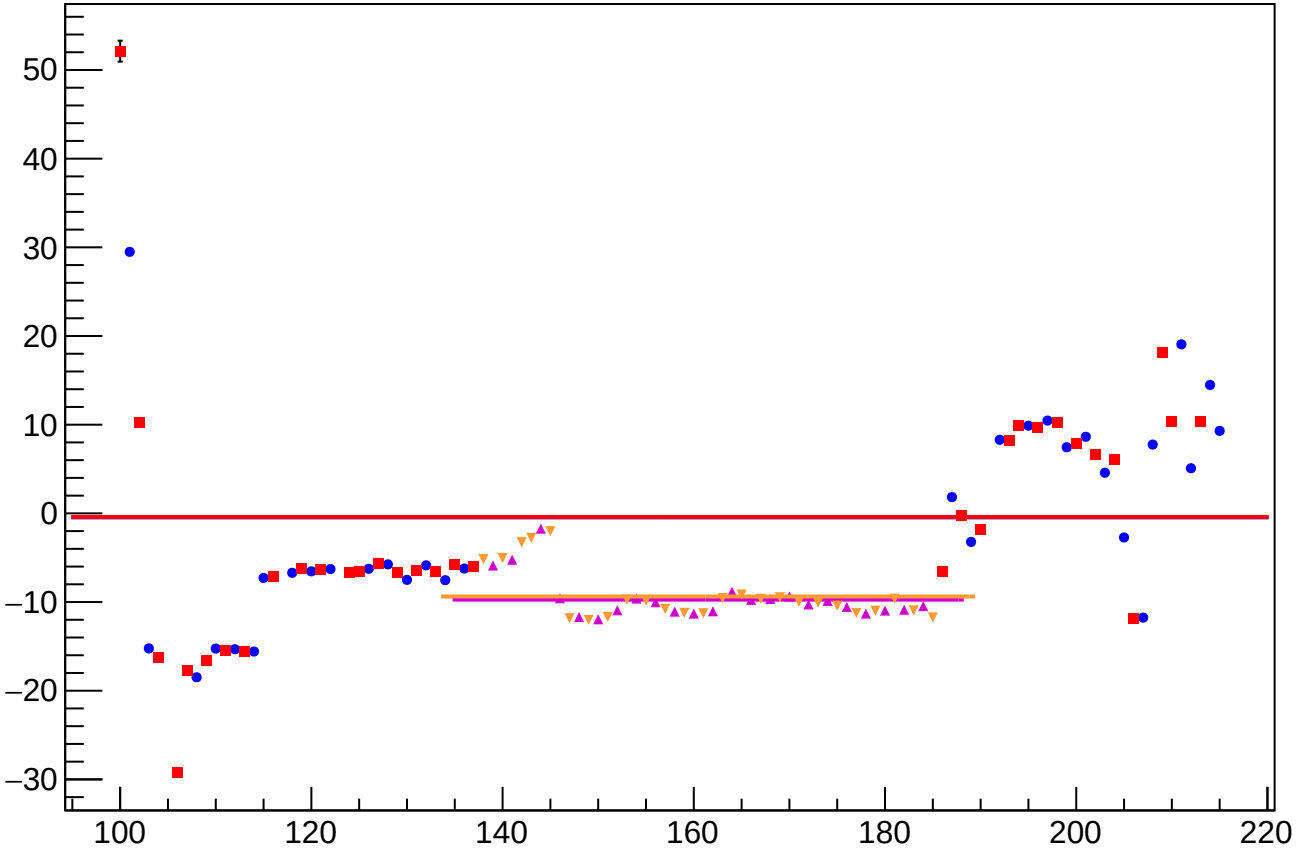
Right: 10.311+/-0.330 χ^2/NDF: 1962.0/63

In: 17.002+/-0.236 χ^2/NDF:1754.3/53

Out: 17.061+/-0.230 χ^2/NDF:1661.8/57

All: 17.032+/-0.165 χ^2/NDF: 3416.1/111

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.445+/-0.022 χ^2/NDF: 211176.4/30

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -0.419+/-0.023 χ^2/NDF: 238742.2/32

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

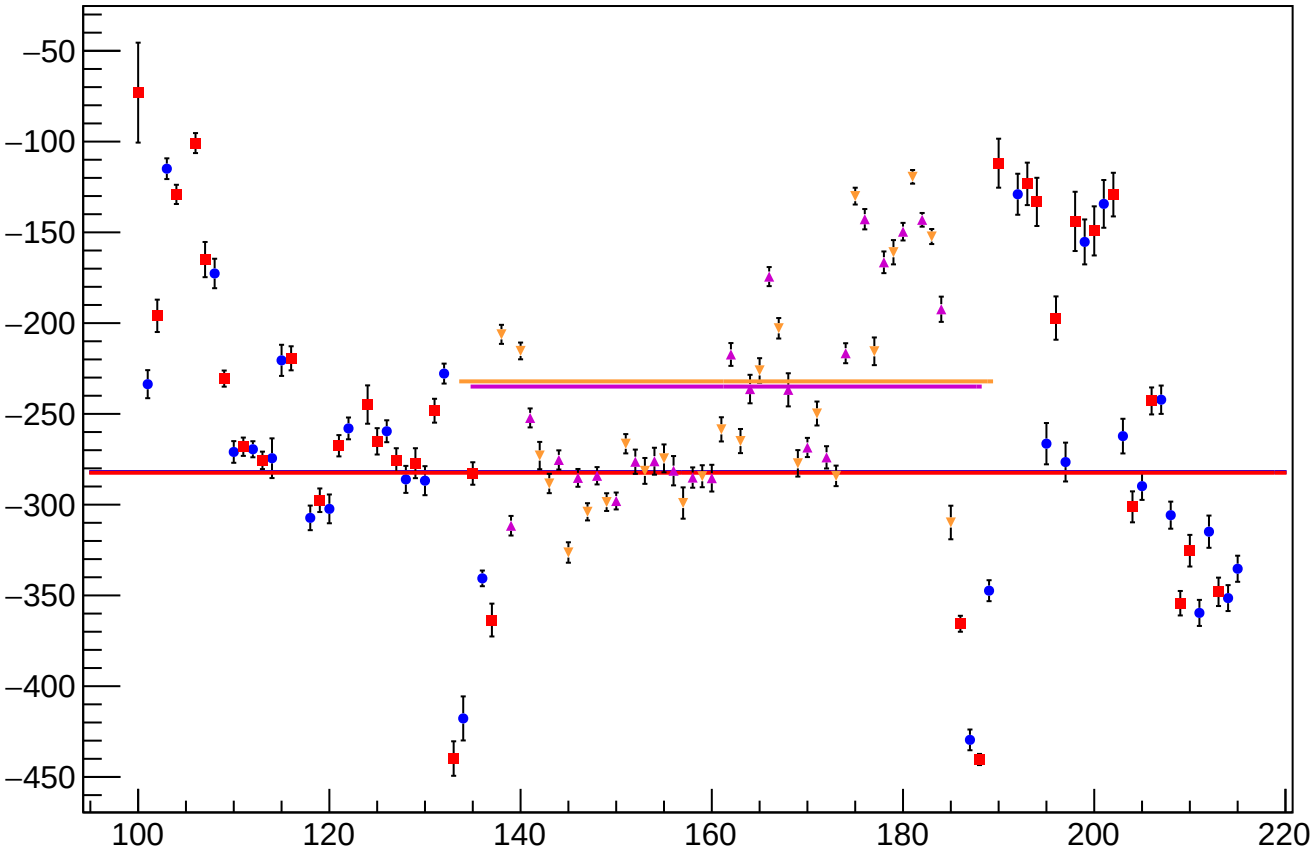
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -0.432+/-0.016 χ^2/NDF: 449919.2/63

In: -7.600+/-0.011 χ^2/NDF:377598.9/53

Out: -7.426+/-0.011 χ^2/NDF:412321.4/57

All: -7.512+/-0.007 χ^2/NDF: 790056.7/111



Right In: -282.032+/-1.275 χ^2/NDF: 3132.9/30

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -282.407+/-1.175 χ^2/NDF: 6981.6/32

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

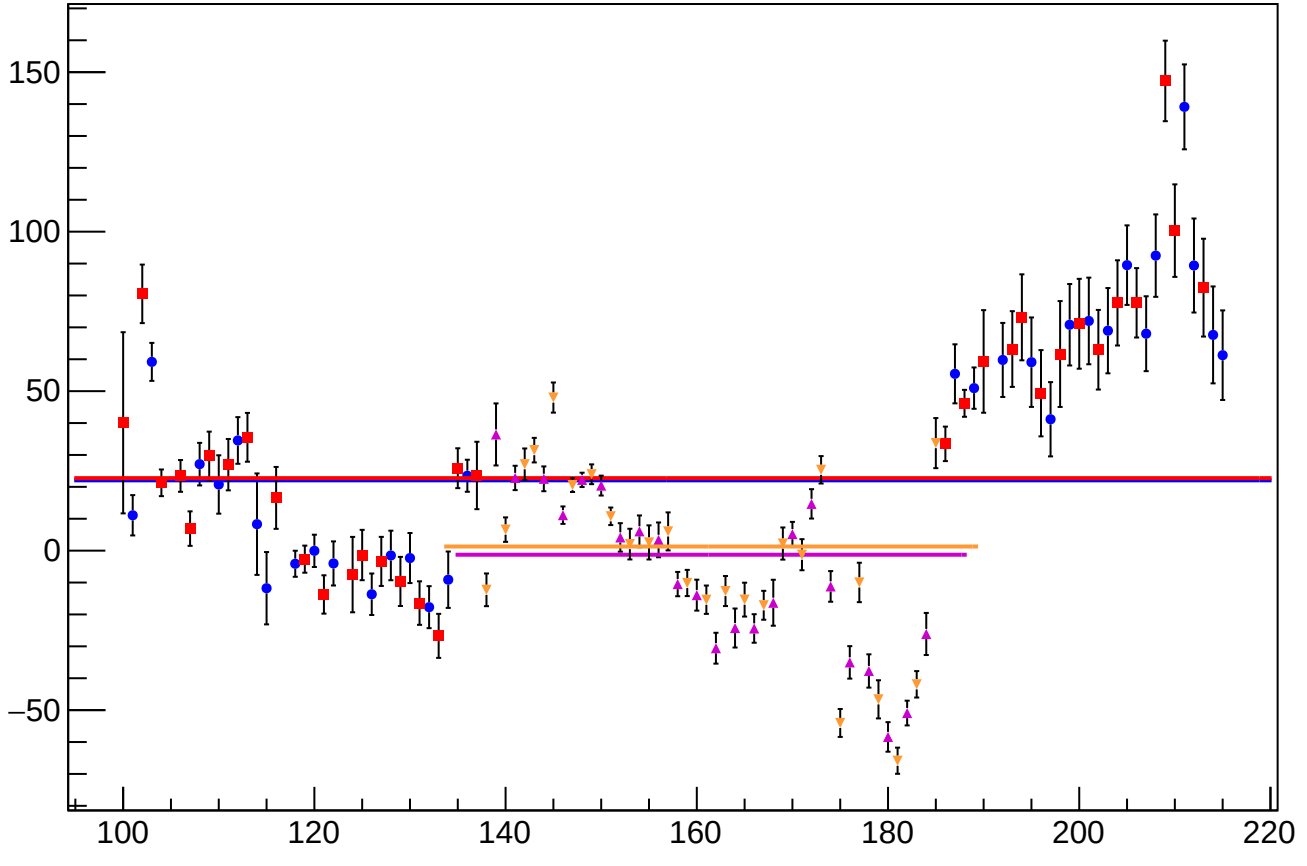
Right: -282.235+/-0.864 χ^2/NDF: 10114.6/63

In: -256.586+/-0.864 χ^2/NDF:6340.0/53

Out: -256.549+/-0.819 χ^2/NDF:11193.5/57

All: -256.566+/-0.595 χ^2/NDF: 17533.5/111

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.043+/-1.441 χ^2/NDF: 510.3/30

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 22.731+/-1.314 χ^2/NDF: 536.0/32

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

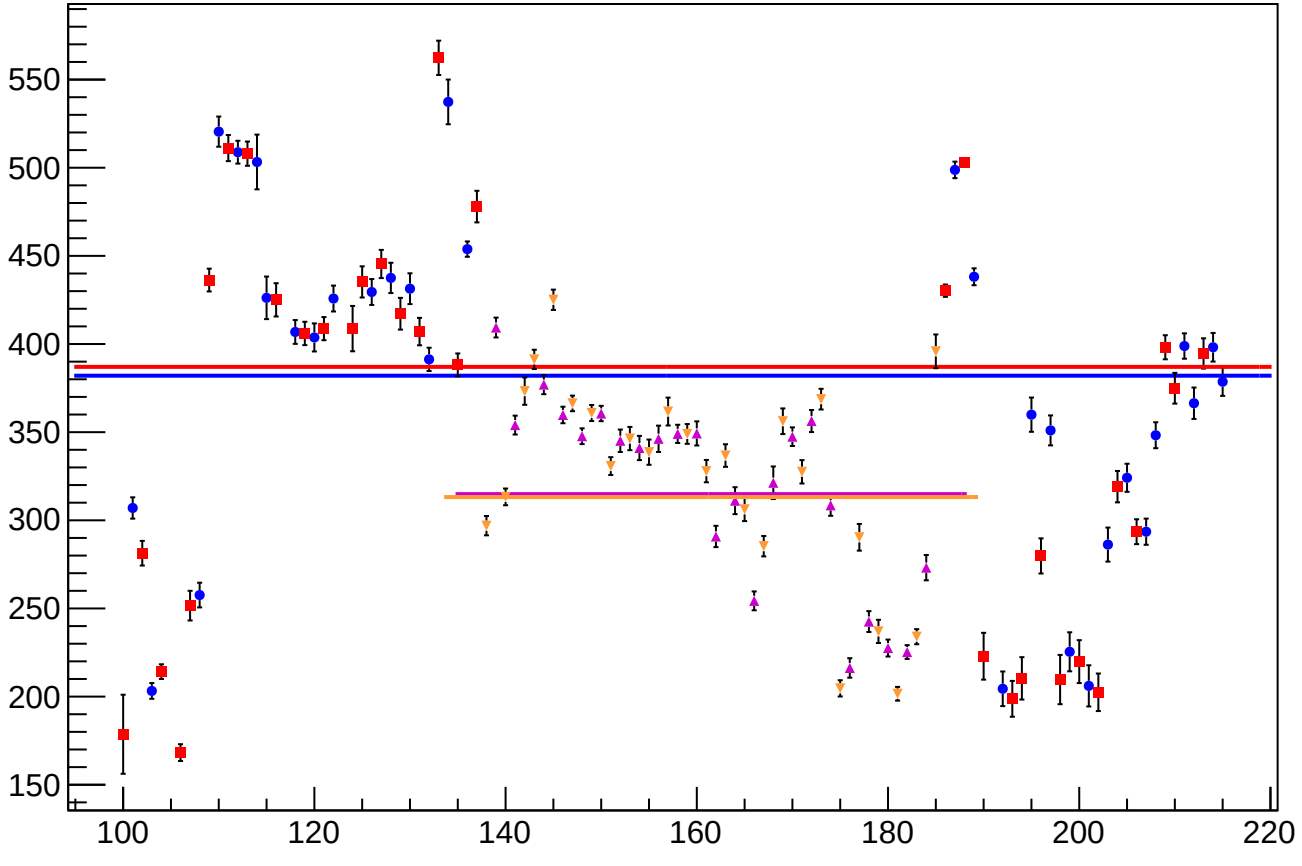
Right: 22.418+/-0.971 χ^2/NDF: 1046.5/63

In: 4.940+/-0.744 χ^2/NDF:1513.7/53

Out: 7.480+/-0.706 χ^2/NDF:1774.8/57

All: 6.277+/-0.512 χ^2/NDF: 3294.6/111

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 382.033+/-1.297 χ^2/NDF: 5233.8/30

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 387.048+/-1.155 χ^2/NDF: 9701.1/32

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

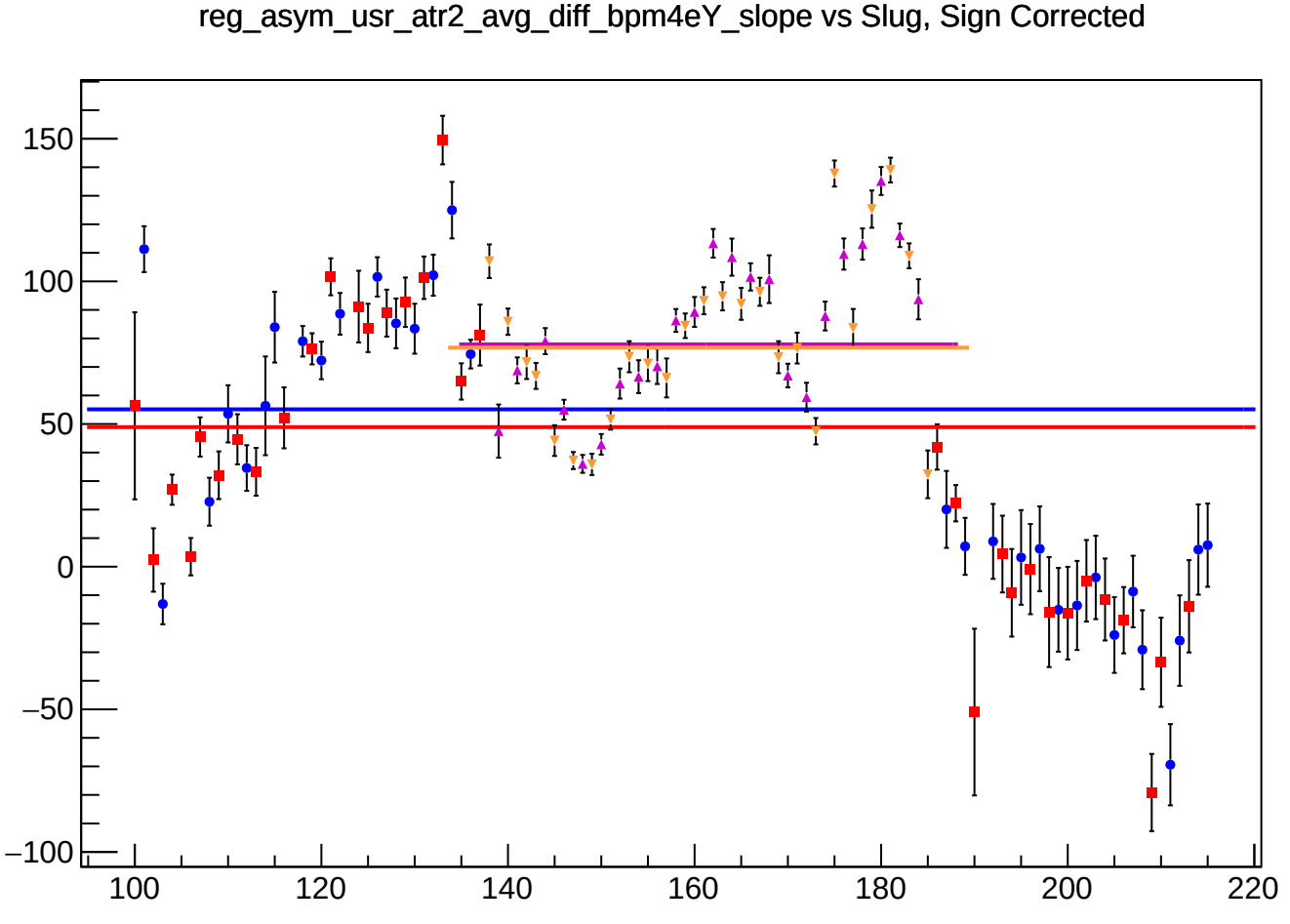
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.830+/-0.863 χ^2/NDF: 14943.3/63

In: 344.753+/-0.865 χ^2/NDF:9151.3/53

Out: 349.439+/-0.809 χ^2/NDF:14918.4/57

All: 347.253+/-0.591 χ^2/NDF: 24085.4/111



Right In: 55.145+/-1.677 χ^2/NDF: 733.4/30

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 48.908+/-1.575 χ^2/NDF: 754.9/32

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

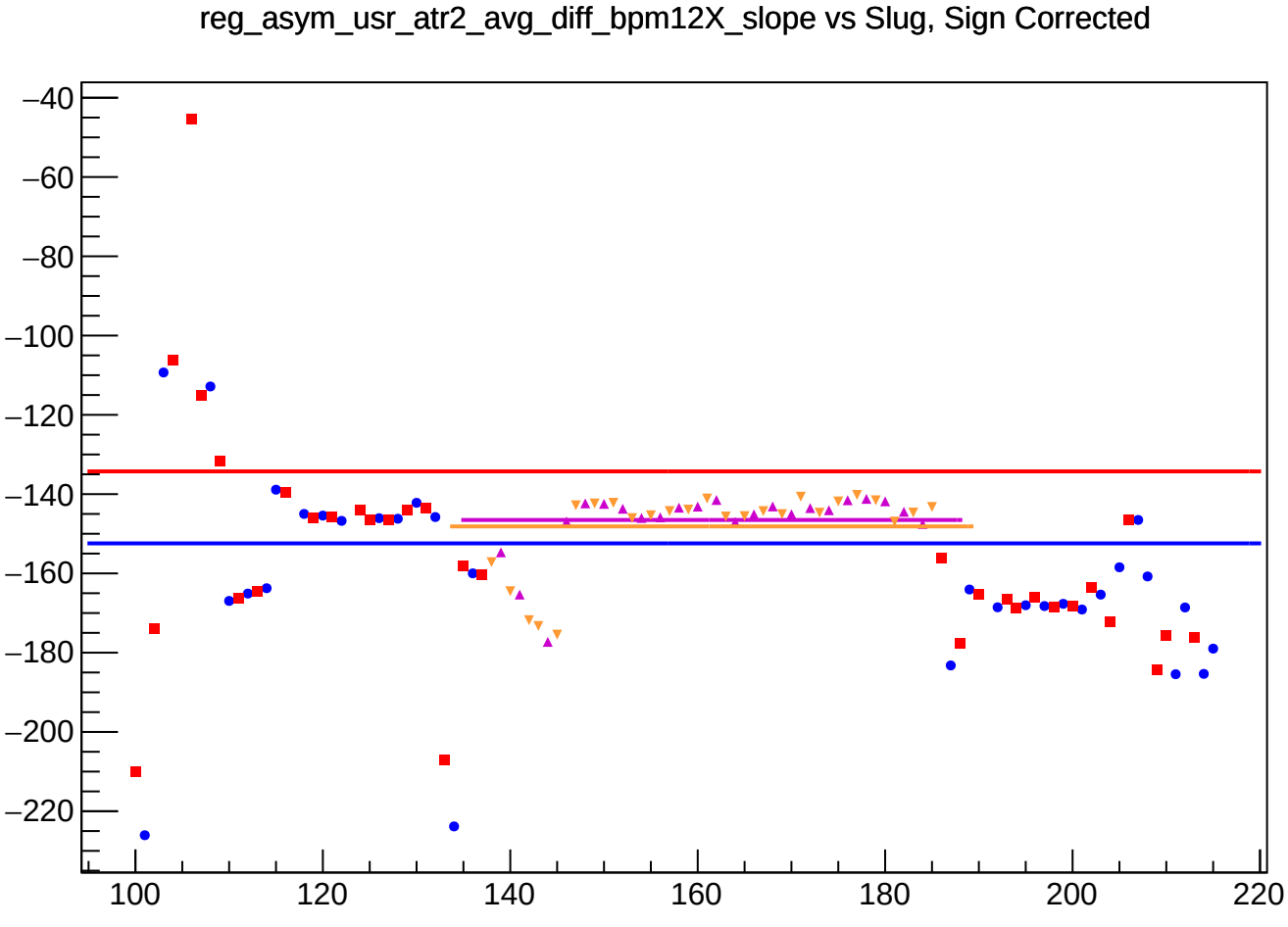
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

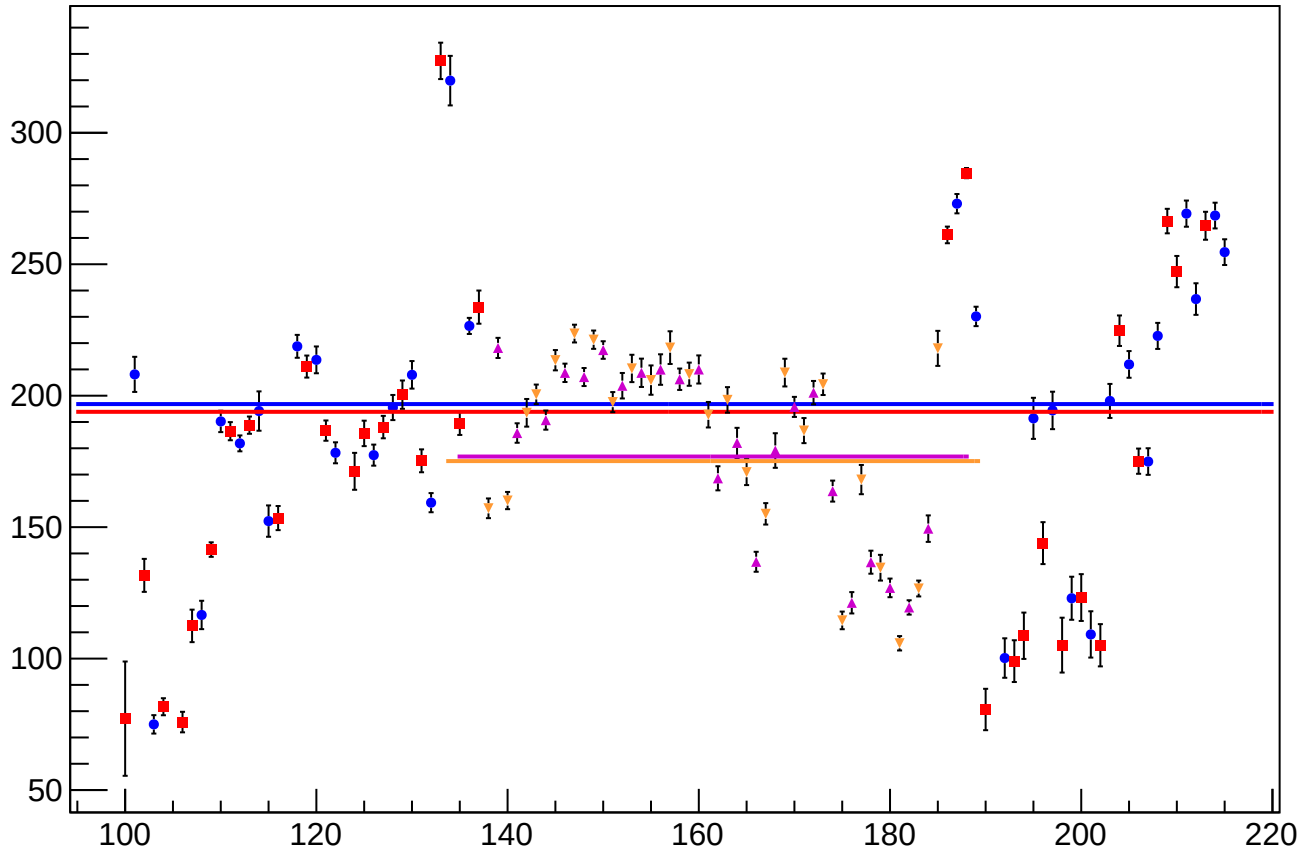
Right: 51.832+/-1.148 χ^2/NDF: 1495.7/63

In: 71.975+/-0.857 χ^2/NDF:1653.6/53

Out: 69.141+/-0.824 χ^2/NDF:2017.3/57

All: 70.502+/-0.594 χ^2/NDF: 3676.6/111


reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
−160
−180
−200
−220
100
120
140
160
180
200
220
Right In: -152.427+/-0.080 χ²/NDF: 152413.7/30
Left Out: -148.148+/-0.045 χ²/NDF:48910.2/24
Right Out: -134.266+/-0.074 χ²/NDF: 361002.7/32
Left In: -146.523+/-0.046 χ²/NDF:29172.3/22
Left: -147.344+/-0.032 χ²/NDF: 78725.9/47
Right: -142.637+/-0.055 χ²/NDF: 540894.6/63
In: -147.956+/-0.040 χ²/NDF:185666.1/53
Out: -144.418+/-0.039 χ²/NDF:435385.3/57
All: -146.138+/-0.028 χ²/NDF: 625146.3/111



Right In: 196.812+/-0.855 χ^2/NDF: 3496.3/30

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 193.869+/-0.779 χ^2/NDF: 7259.7/32

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

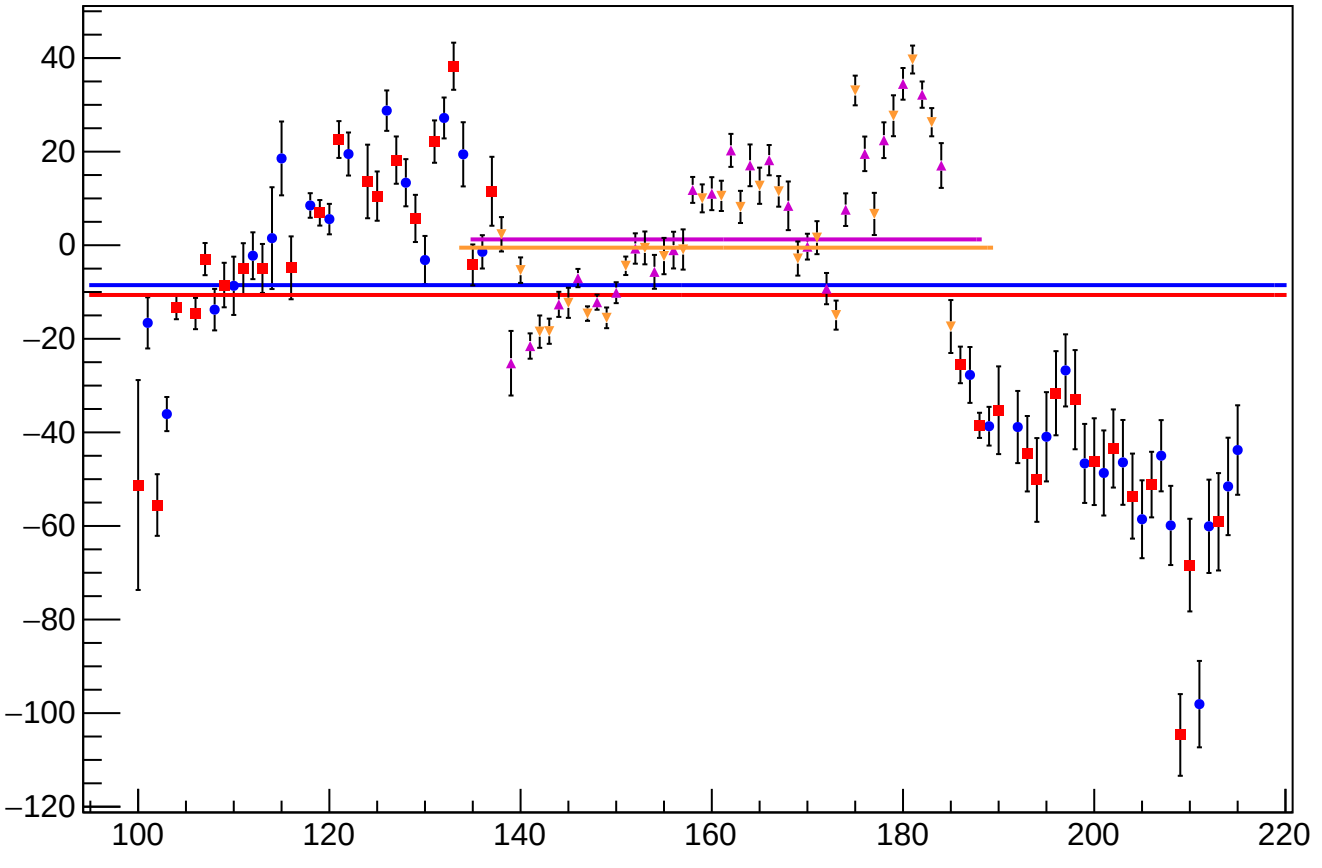
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 195.204+/-0.576 χ^2/NDF: 10762.4/63

In: 186.739+/-0.602 χ^2/NDF:5527.1/53

Out: 184.994+/-0.566 χ^2/NDF:9828.6/57

All: 185.812+/-0.412 χ^2/NDF: 15360.1/111



Right In: -8.529+/-0.964 χ^2/NDF: 755.4/30

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -10.634+/-0.867 χ^2/NDF: 833.5/32

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

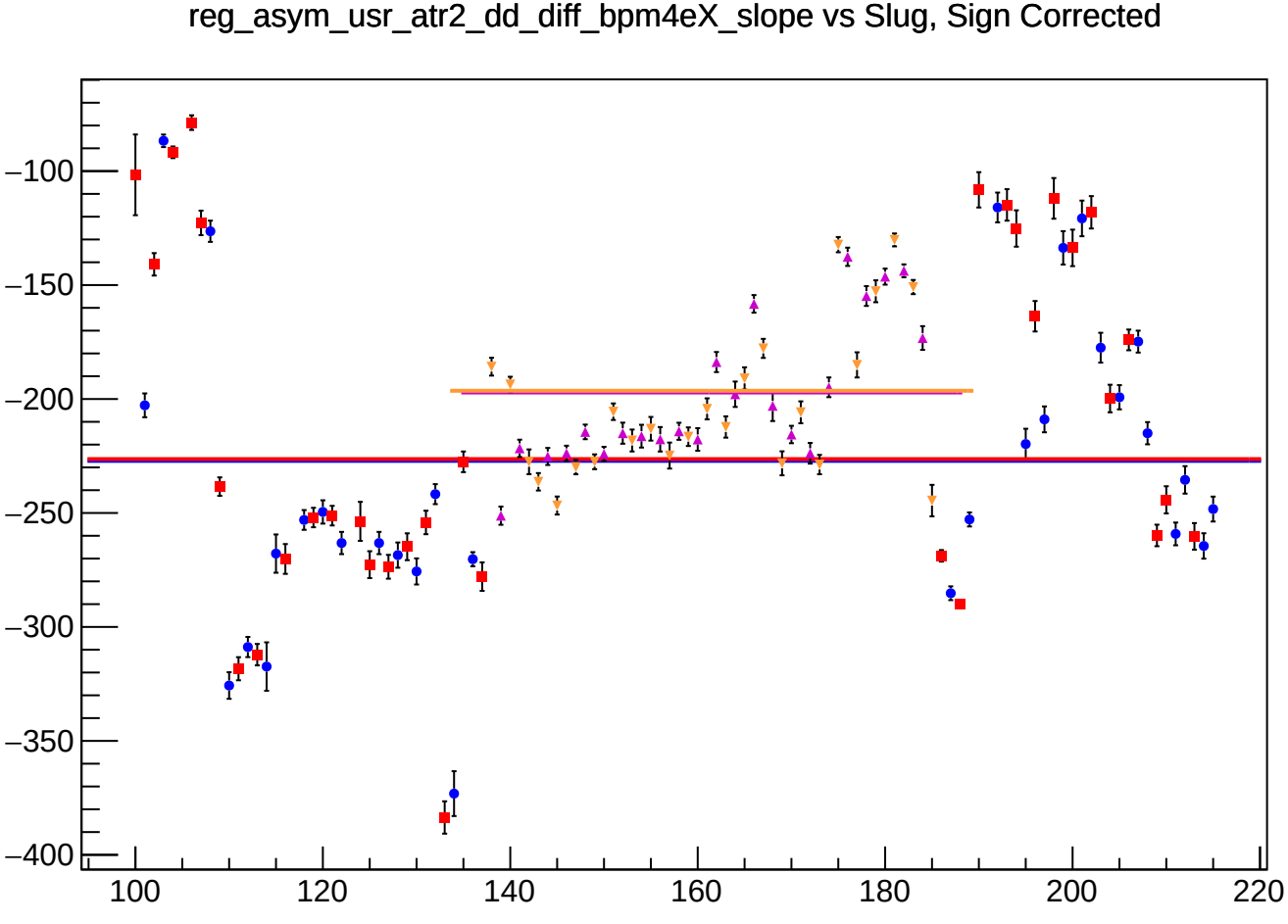
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

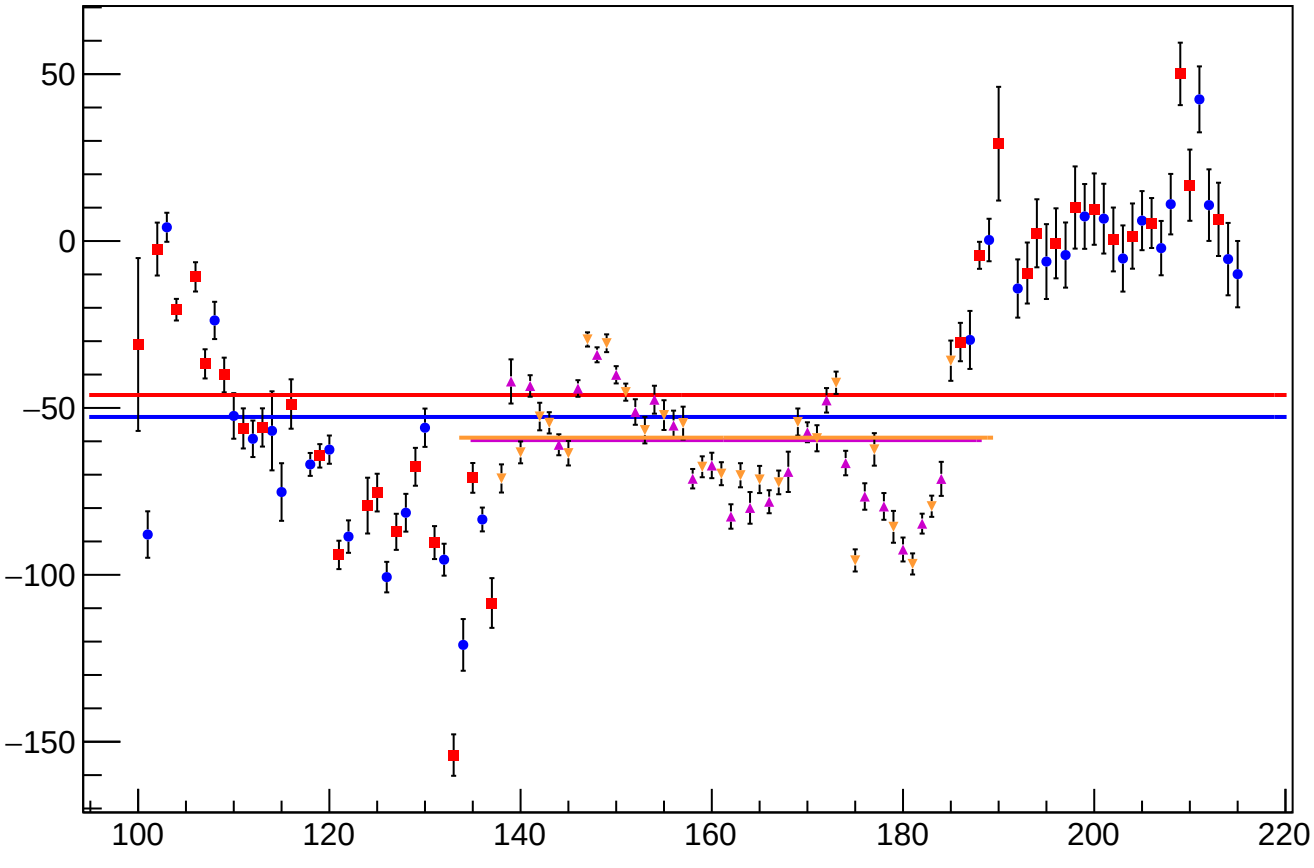
Right: -9.693+/-0.644 χ^2/NDF: 1591.5/63

In: -1.652+/-0.525 χ^2/NDF:1448.3/53

Out: -3.804+/-0.494 χ^2/NDF:1649.8/57

All: -2.794+/-0.360 χ^2/NDF: 3107.0/111


reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
220
Right In: -227.122+/-0.867 χ²/NDF: 5941.9/30
Left Out: -196.380+/-0.816 χ²/NDF:1997.7/24
Right Out: -226.350+/-0.763 χ²/NDF: 10651.4/32
Left In: -197.128+/-0.837 χ²/NDF:1601.5/22
Left: -196.744+/-0.584 χ²/NDF: 3599.6/47
Right: -226.687+/-0.573 χ²/NDF: 16593.7/63
In: -211.587+/-0.602 χ²/NDF:8162.7/53
Out: -212.370+/-0.557 χ²/NDF:13369.2/57
All: -212.009+/-0.409 χ²/NDF: 21532.9/111



Right In: -52.707+/-1.126 χ^2/NDF: 1204.9/30

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -46.126+/-1.042 χ^2/NDF: 1418.8/32

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

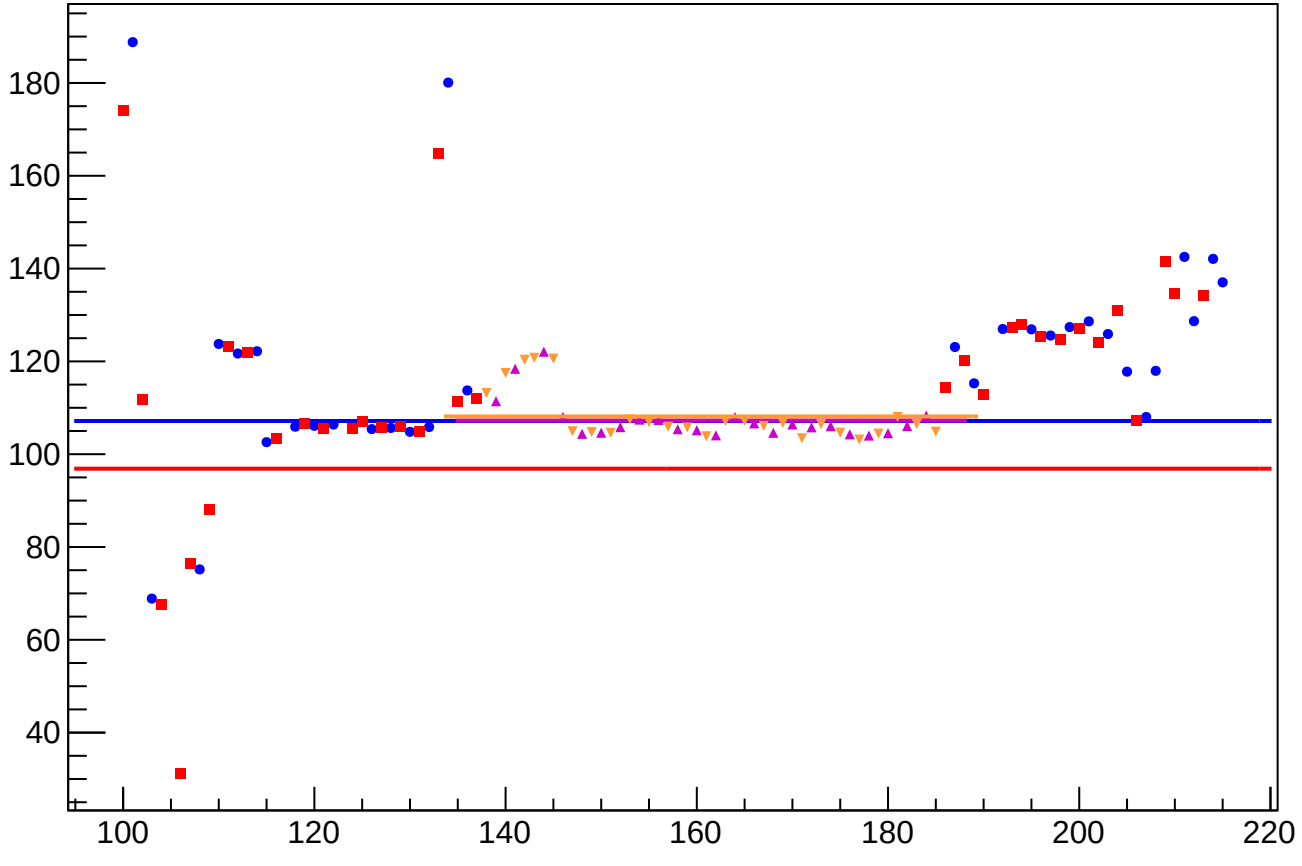
Right: -49.161+/-0.764 χ^2/NDF: 2642.2/63

In: -57.632+/-0.605 χ^2/NDF:1828.9/53

Out: -54.973+/-0.578 χ^2/NDF:2305.6/57

All: -56.240+/-0.418 χ^2/NDF: 4144.6/111

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 107.155+/-0.054 χ^2/NDF: 288680.3/30

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 96.882+/-0.050 χ^2/NDF: 408800.2/32

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

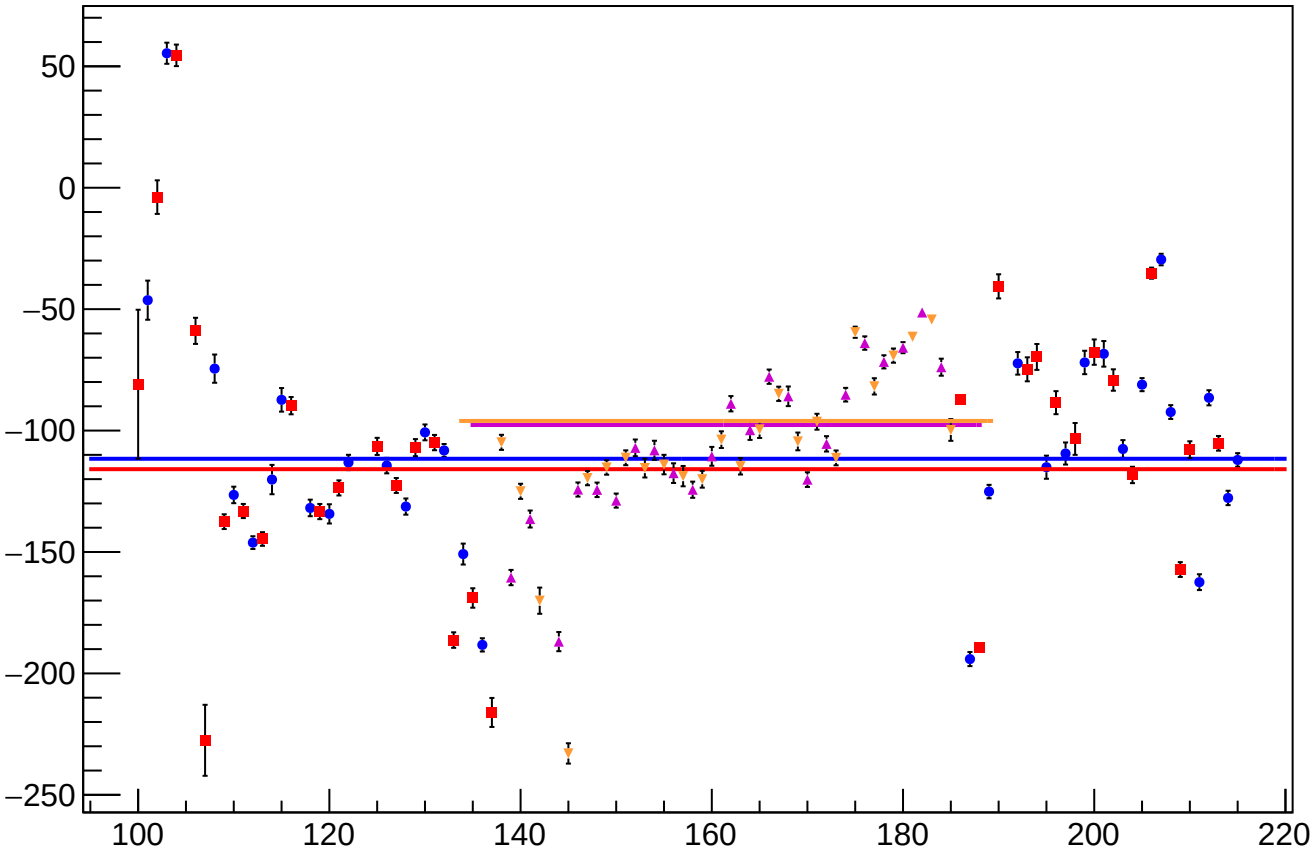
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

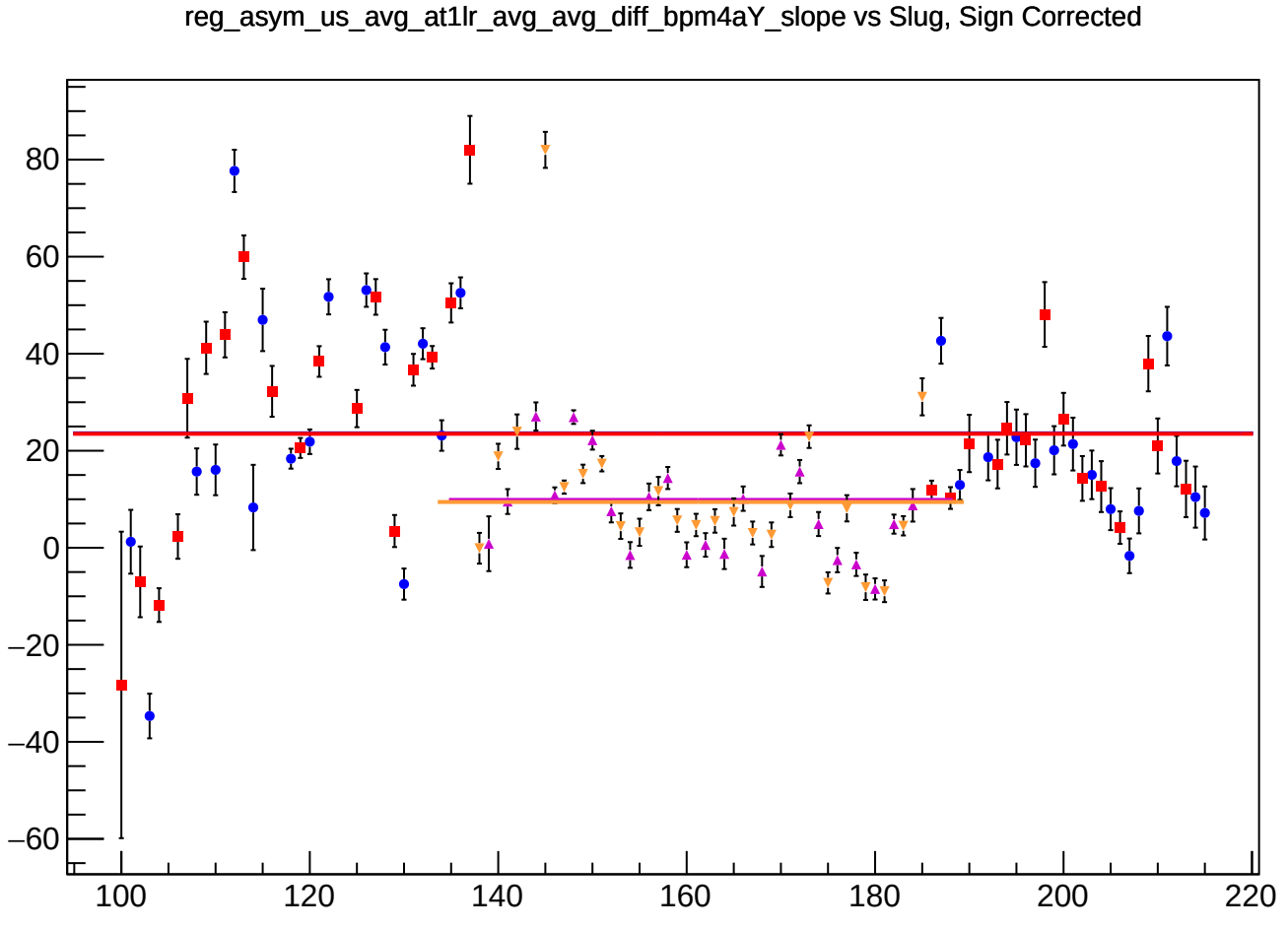
Right: 101.667+/-0.037 χ^2/NDF: 717004.9/63

In: 107.236+/-0.028 χ^2/NDF:305562.7/53

Out: 104.817+/-0.027 χ^2/NDF:470687.0/57

All: 105.993+/-0.020 χ^2/NDF: 780081.1/111


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: -111.611+/-0.611 χ²/NDF: 5531.5/30
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -115.897+/-0.587 χ²/NDF: 7515.7/31
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -113.840+/-0.423 χ²/NDF: 13072.8/62
In: -104.969+/-0.441 χ²/NDF:8419.7/53
Out: -106.741+/-0.431 χ²/NDF:10814.9/55
All: -105.876+/-0.308 χ²/NDF: 19242.8/109



Right In: 23.587+/-0.716 χ^2/NDF: 858.1/30

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 23.493+/-0.680 χ^2/NDF: 679.7/31

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

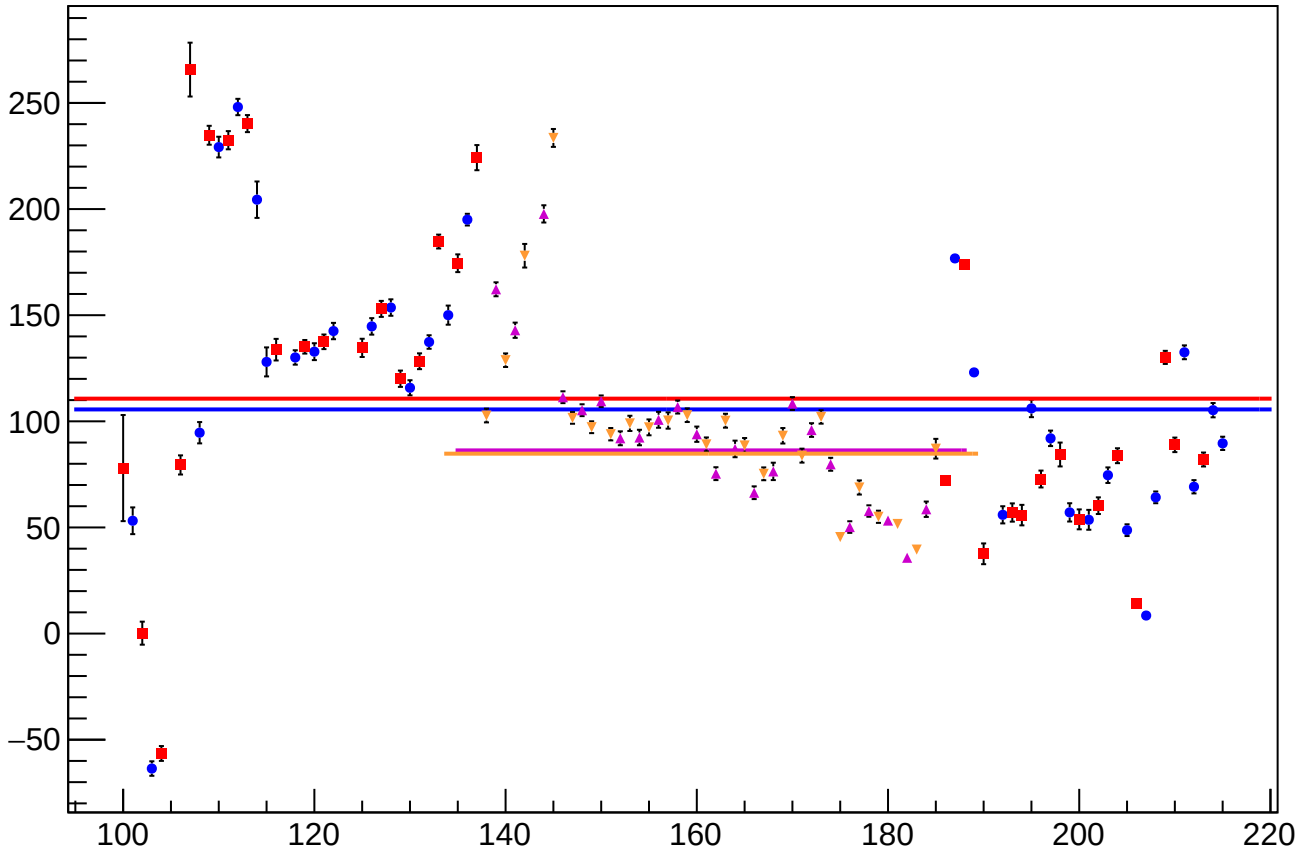
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.538+/-0.493 χ^2/NDF: 1537.8/62

In: 14.200+/-0.402 χ^2/NDF:1594.8/53

Out: 14.085+/-0.391 χ^2/NDF:1702.0/55

All: 14.141+/-0.280 χ^2/NDF: 3296.8/109



Right In: 105.603+/-0.624 χ^2/NDF: 10543.3/30

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 110.680+/-0.570 χ^2/NDF: 13257.6/31

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

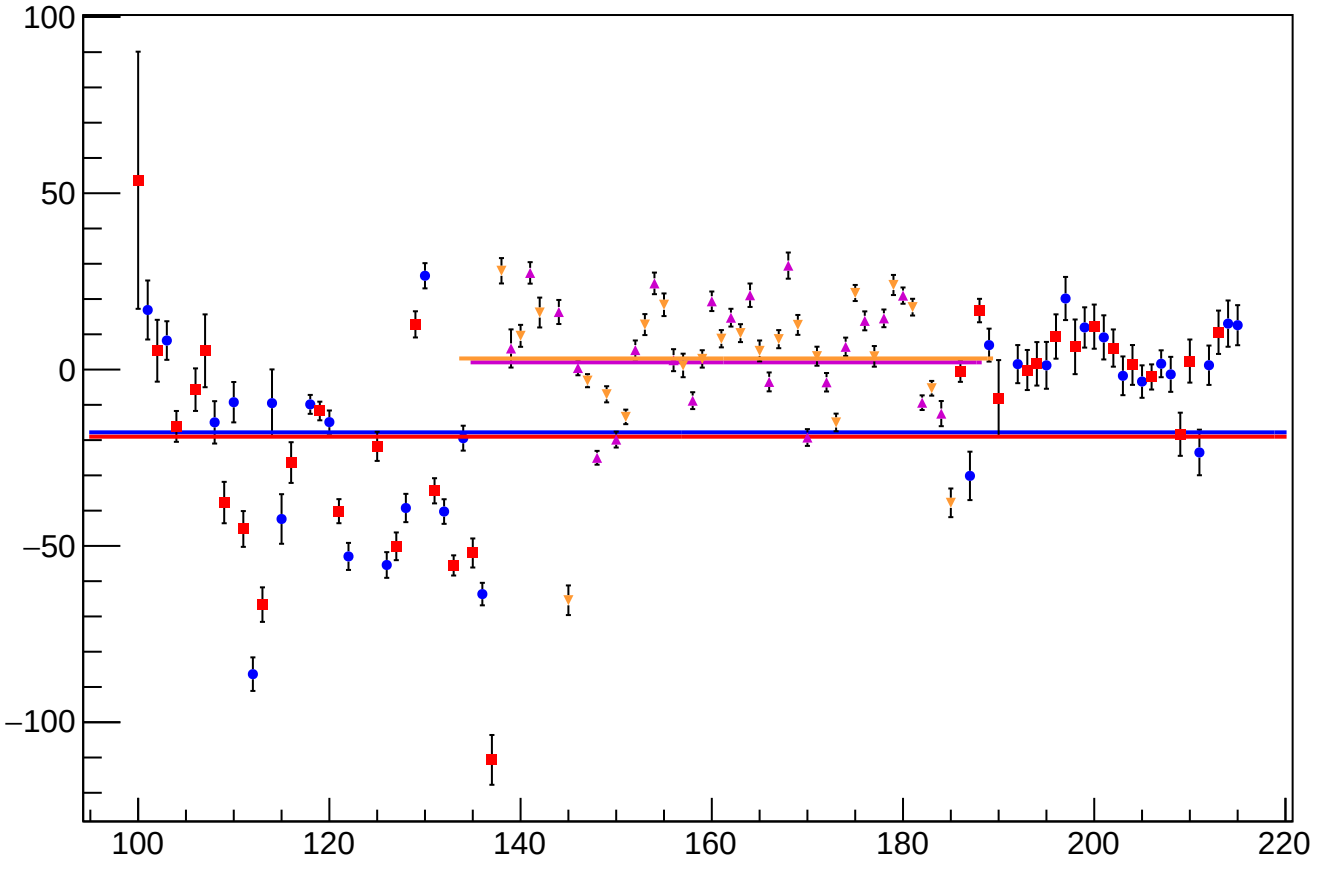
Right: 108.370+/-0.421 χ^2/NDF: 23837.1/62

In: 96.078+/-0.444 χ^2/NDF:14168.9/53

Out: 98.999+/-0.422 χ^2/NDF:17300.6/55

All: 97.611+/-0.306 χ^2/NDF: 31492.3/109

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -17.801+/-0.827 χ^2/NDF: 1149.0/30

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -19.030+/-0.814 χ^2/NDF: 1079.1/31

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

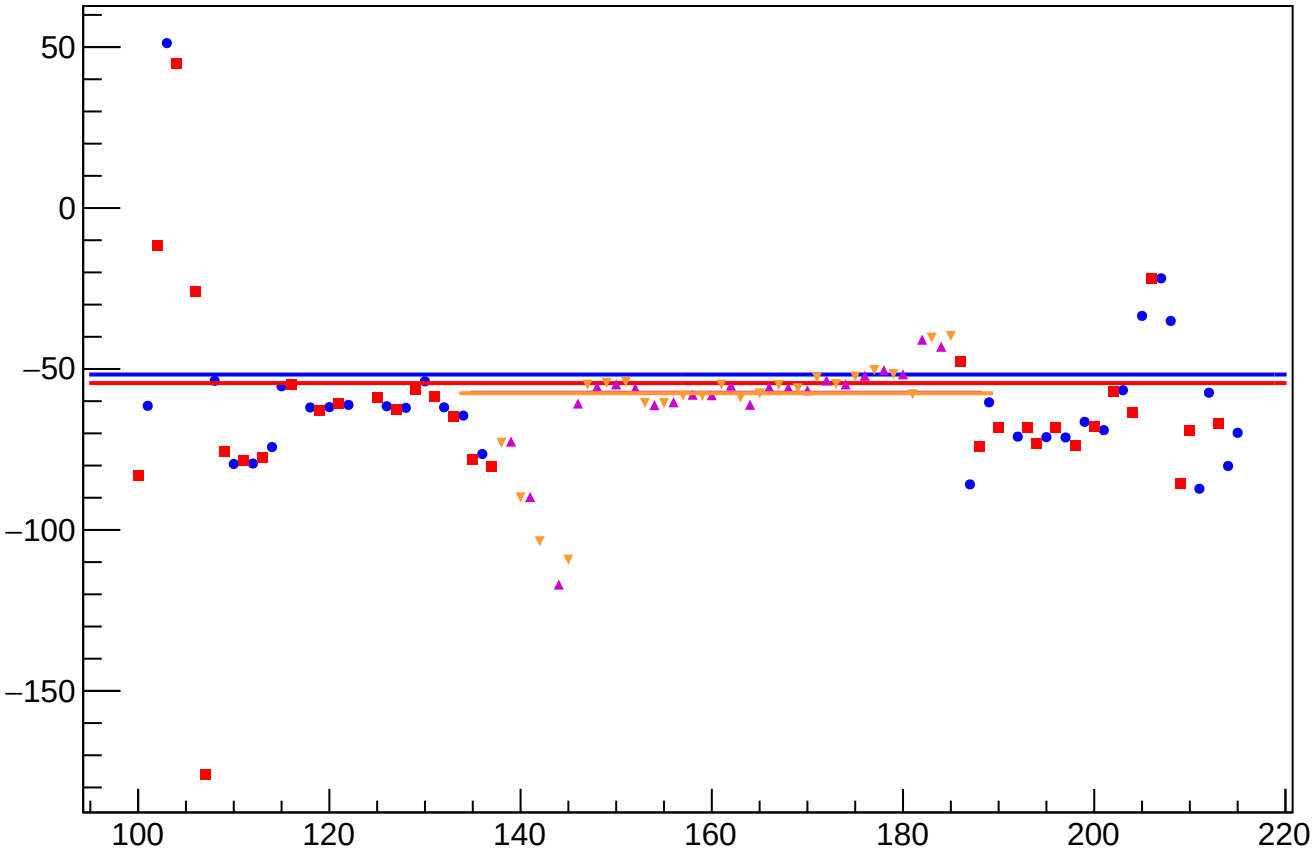
Right: -18.425+/-0.580 χ^2/NDF: 2229.2/62

In: -4.058+/-0.458 χ^2/NDF:2399.2/53

Out: -3.692+/-0.452 χ^2/NDF:2406.4/55

All: -3.873+/-0.322 χ^2/NDF: 4805.9/109

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -51.724+/-0.040 χ^2/NDF: 729249.1/30

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.388+/-0.040 χ^2/NDF: 636819.0/31

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

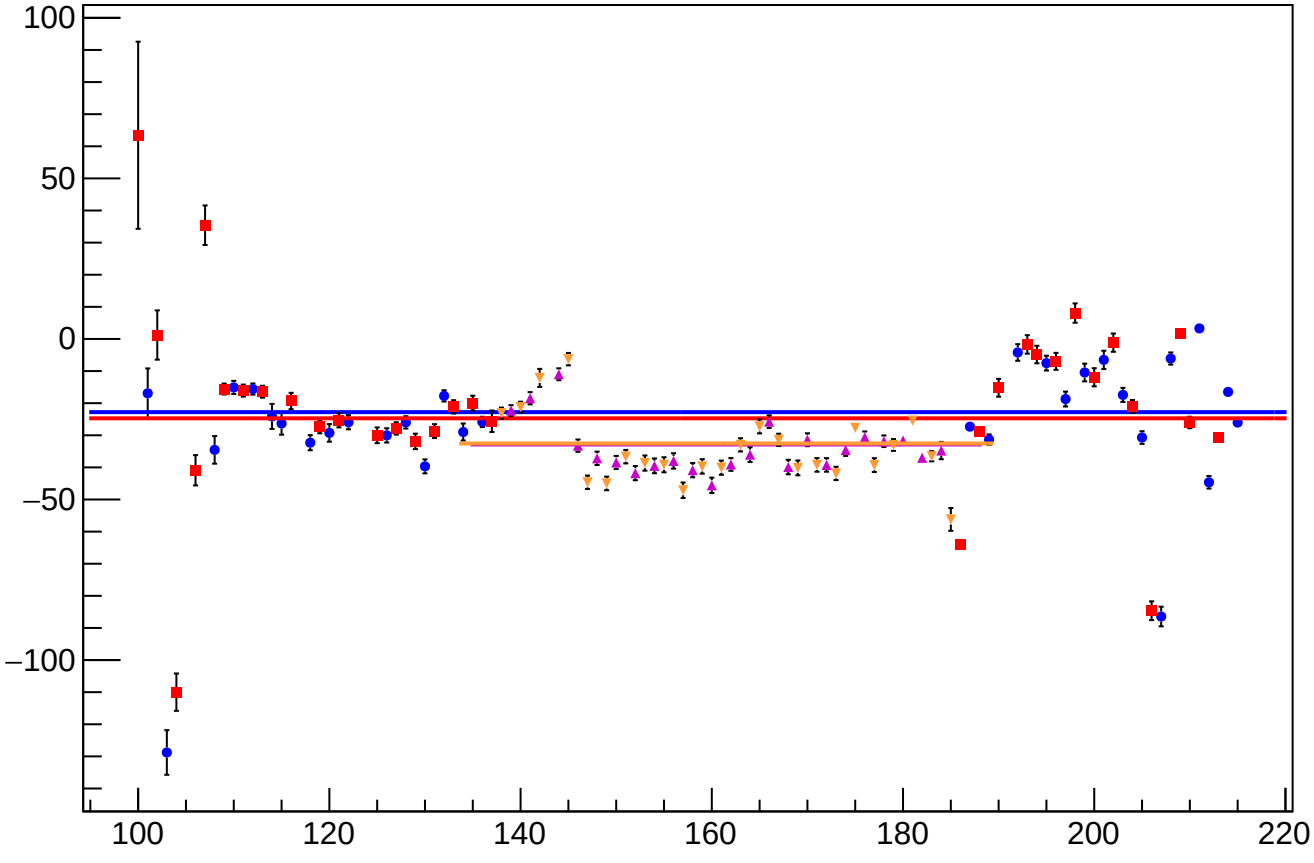
Right: -53.038+/-0.028 χ^2/NDF: 1368272.1/62

In: -55.803+/-0.021 χ^2/NDF:970906.9/53

Out: -56.674+/-0.021 χ^2/NDF:908251.6/55

All: -56.236+/-0.015 χ^2/NDF: 1880012.7/109

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.792+/-0.378 χ^2/NDF: 1542.7/30

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -24.714+/-0.370 χ^2/NDF: 2383.0/31

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

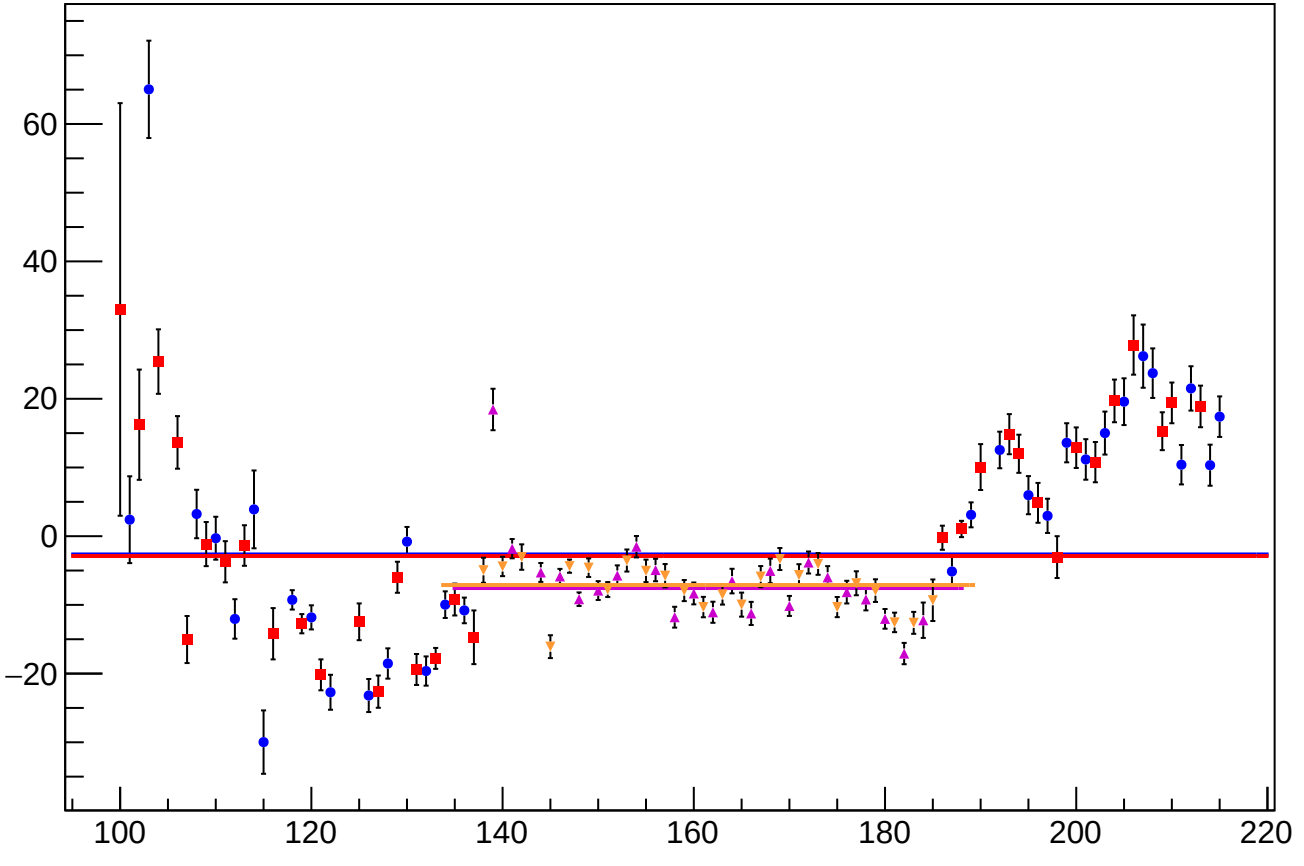
Right: -23.775+/-0.264 χ^2/NDF: 3938.9/62

In: -27.406+/-0.278 χ^2/NDF:2241.1/53

Out: -28.261+/-0.274 χ^2/NDF:3189.8/55

All: -27.841+/-0.195 χ^2/NDF: 5435.7/109

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.662+/-0.462 χ^2/NDF: 898.4/30

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -2.887+/-0.445 χ^2/NDF: 851.1/31

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

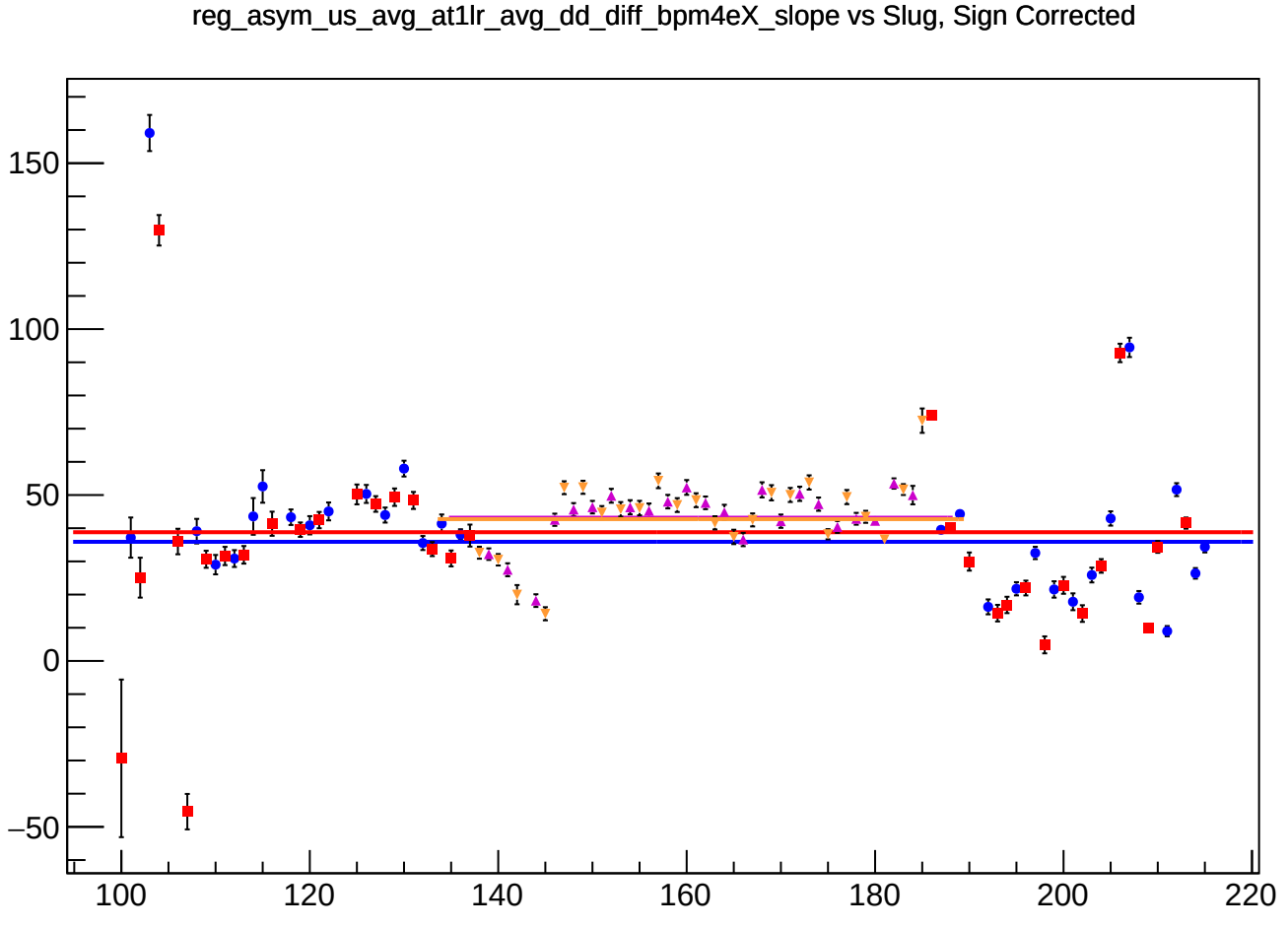
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -2.779+/-0.320 χ^2/NDF: 1749.7/62

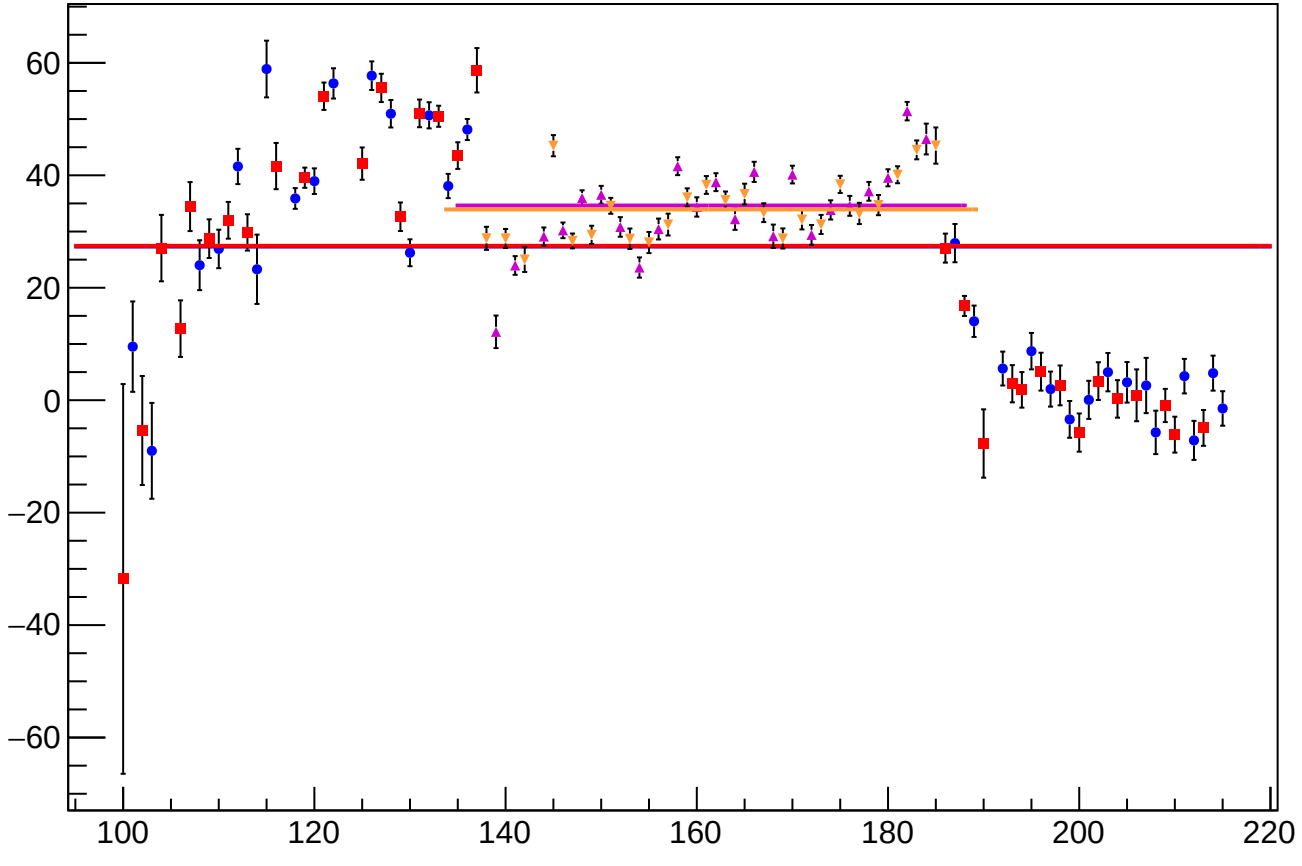
In: -5.995+/-0.260 χ^2/NDF:1174.5/53

Out: -5.733+/-0.254 χ^2/NDF:1021.4/55

All: -5.861+/-0.182 χ^2/NDF: 2196.5/109


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
120
140
160
180
200
220
Right In: 35.903+/-0.385 χ²/NDF: 1870.5/30
Left Out: 42.745+/-0.403 χ²/NDF:631.5/23
Right Out: 38.796+/-0.361 χ²/NDF: 3074.7/31
Left In: 43.169+/-0.407 χ²/NDF:413.0/22
Left: 42.955+/-0.287 χ²/NDF: 1045.1/46
Right: 37.444+/-0.263 χ²/NDF: 4975.2/62
In: 39.336+/-0.280 χ²/NDF:2451.5/53
Out: 40.552+/-0.269 χ²/NDF:3759.4/55
All: 39.968+/-0.194 χ²/NDF: 6220.8/109

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.334+/-0.534 χ^2/NDF: 1542.0/30

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 27.455+/-0.531 χ^2/NDF: 1547.7/31

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

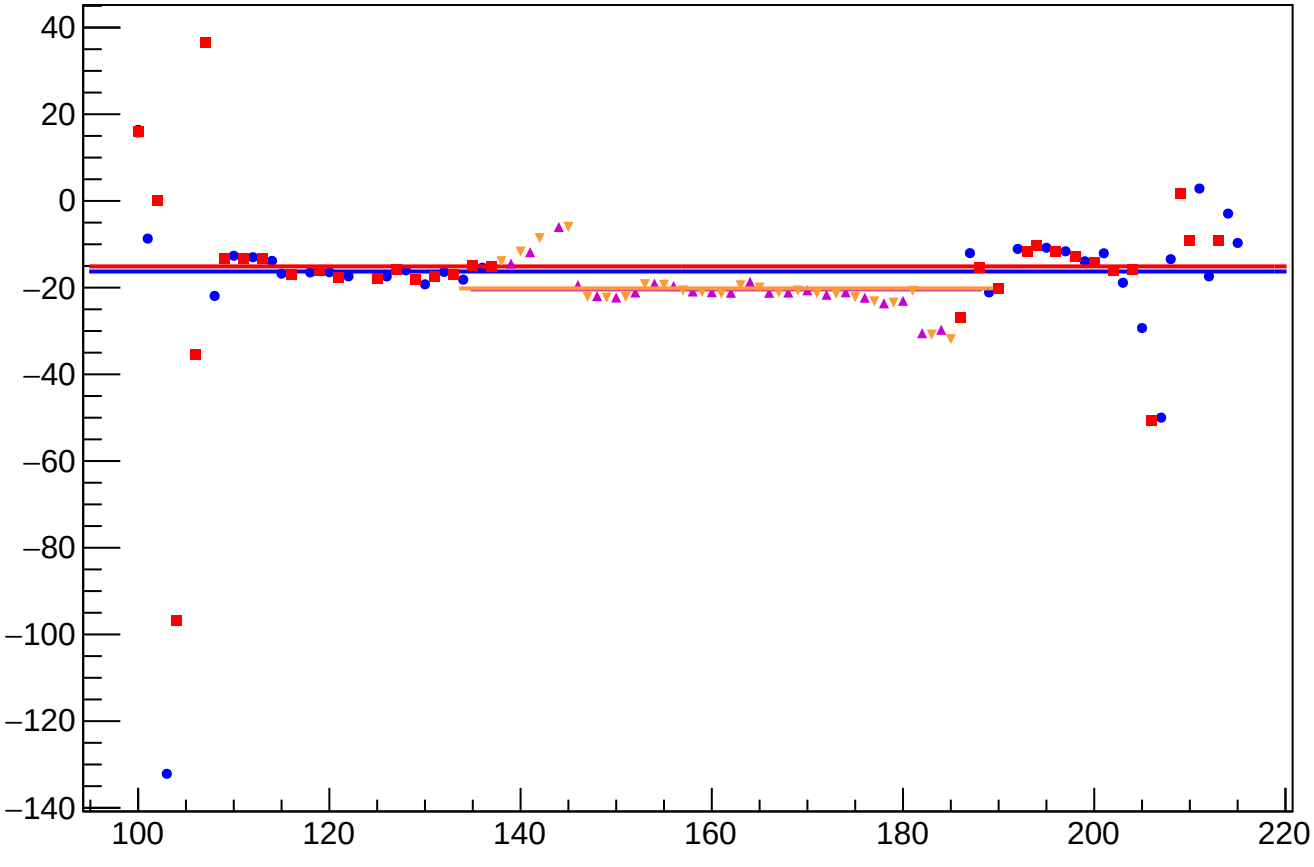
Right: 27.395+/-0.376 χ^2/NDF: 3089.7/62

In: 32.376+/-0.296 χ^2/NDF:2047.1/53

Out: 31.963+/-0.293 χ^2/NDF:1867.8/55

All: 32.167+/-0.208 χ^2/NDF: 3915.9/109

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.277+/-0.026 χ^2/NDF: 332153.4/30

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.098+/-0.026 χ^2/NDF: 275826.9/31

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

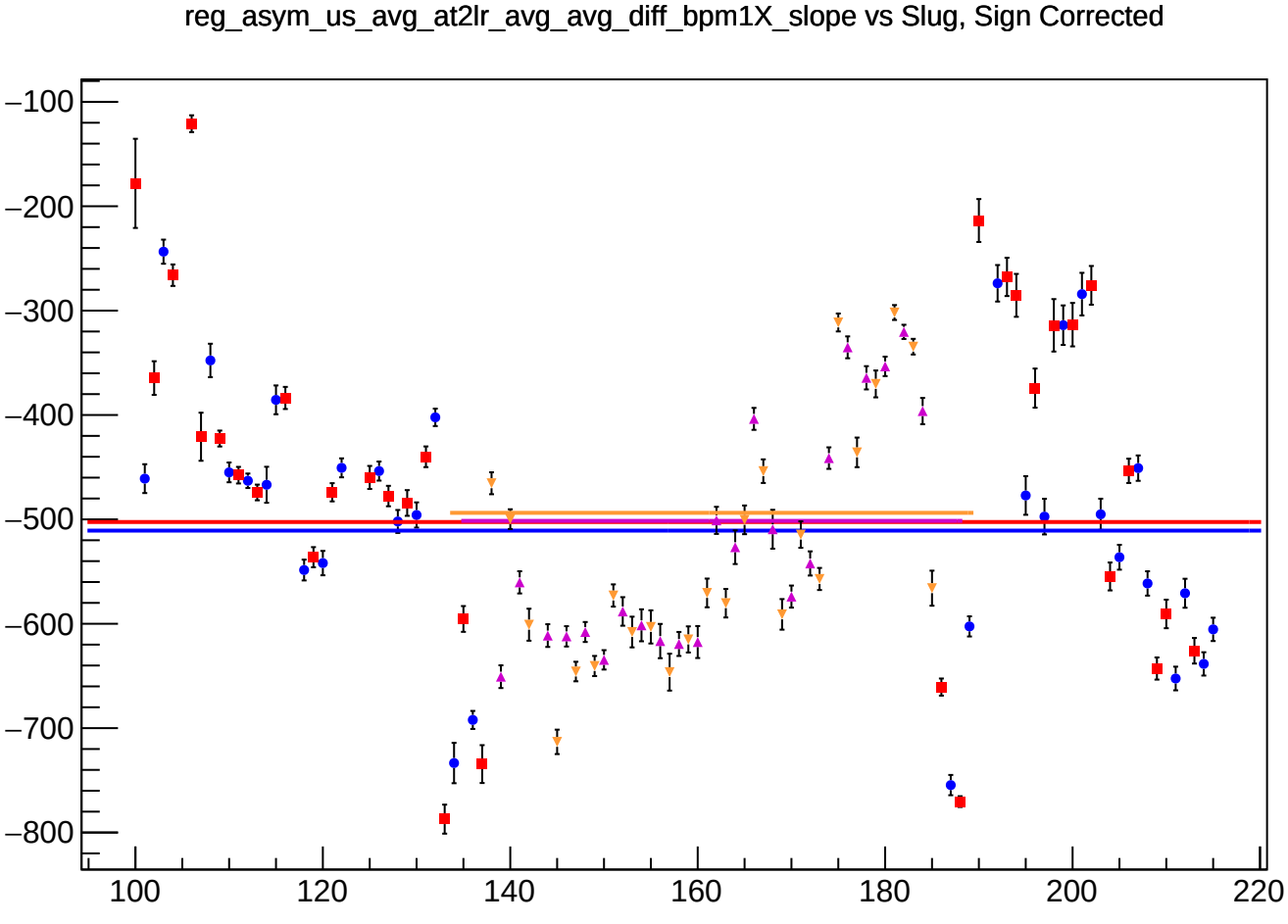
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -15.686+/-0.018 χ^2/NDF: 609022.6/62

In: -19.277+/-0.013 χ^2/NDF:431810.8/53

Out: -18.793+/-0.013 χ^2/NDF:403942.8/55

All: -19.035+/-0.010 χ^2/NDF: 836399.3/109



Right In: -510.751+/-2.063 χ^2/NDF: 3238.0/30

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -502.514+/-1.931 χ^2/NDF: 8146.4/31

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

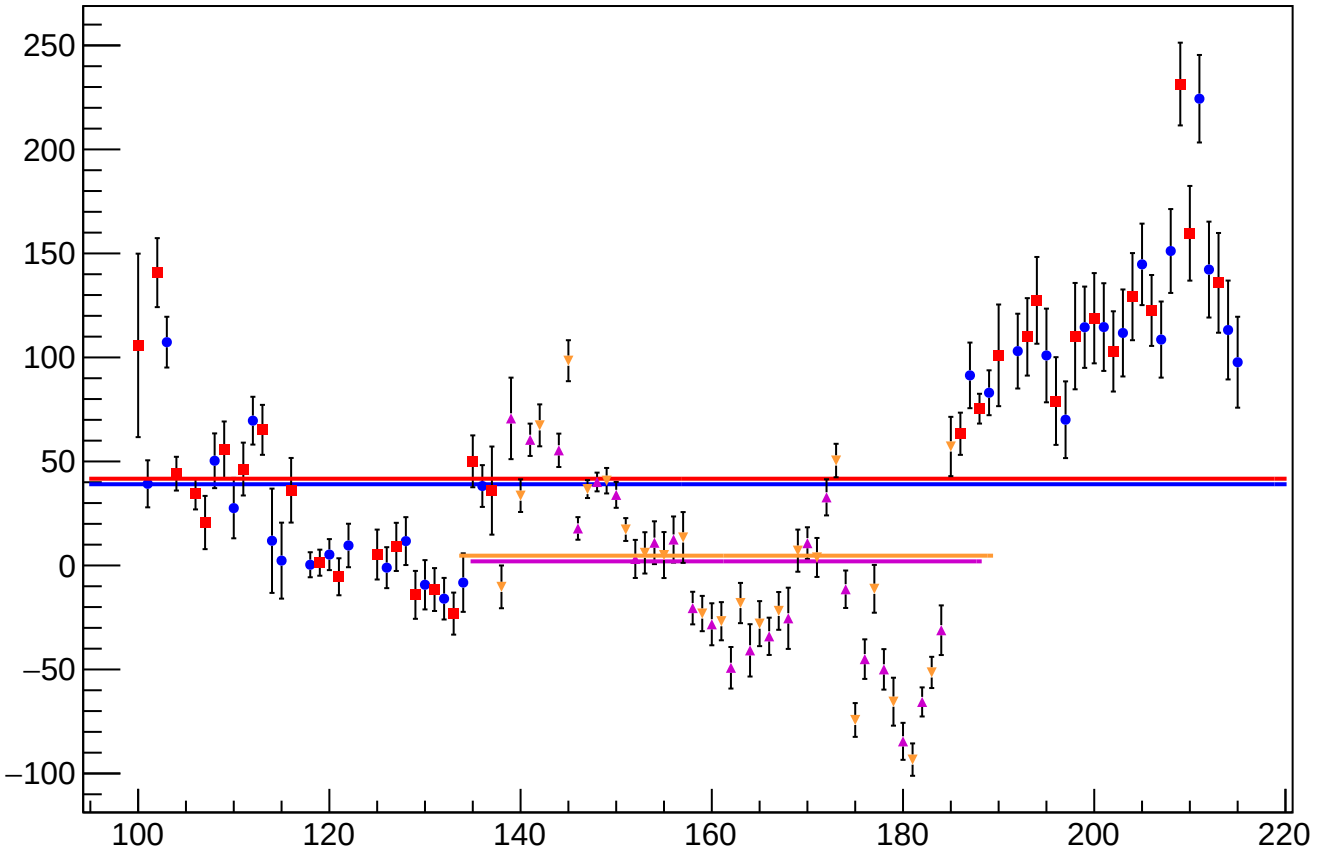
Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

Right: -506.360+/-1.410 χ^2/NDF: 11392.9/62

In: -506.606+/-1.538 χ^2/NDF:5936.4/53

Out: -498.870+/-1.477 χ^2/NDF:11305.0/55

All: -502.584+/-1.065 χ^2/NDF: 17254.5/109



Right In: 39.043+/-2.320 χ^2/NDF: 475.0/30

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 41.701+/-2.179 χ^2/NDF: 494.7/31

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

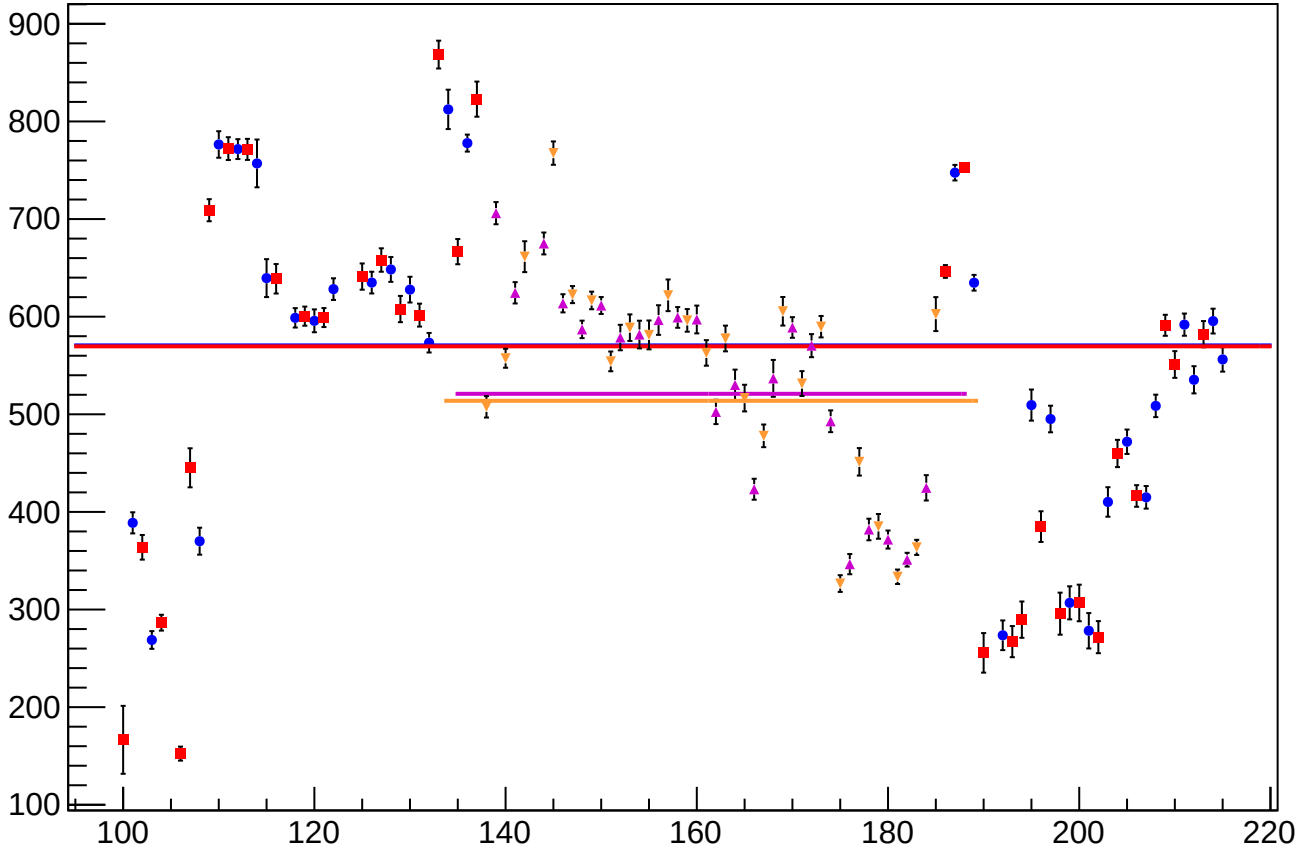
Right: 40.455+/-1.588 χ^2/NDF: 970.4/62

In: 15.137+/-1.383 χ^2/NDF:1200.4/53

Out: 18.660+/-1.338 χ^2/NDF:1354.5/55

All: 16.956+/-0.962 χ^2/NDF: 2558.3/109

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 570.590+/-2.137 χ^2/NDF: 5015.9/30

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 569.616+/-1.928 χ^2/NDF: 10673.7/31

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

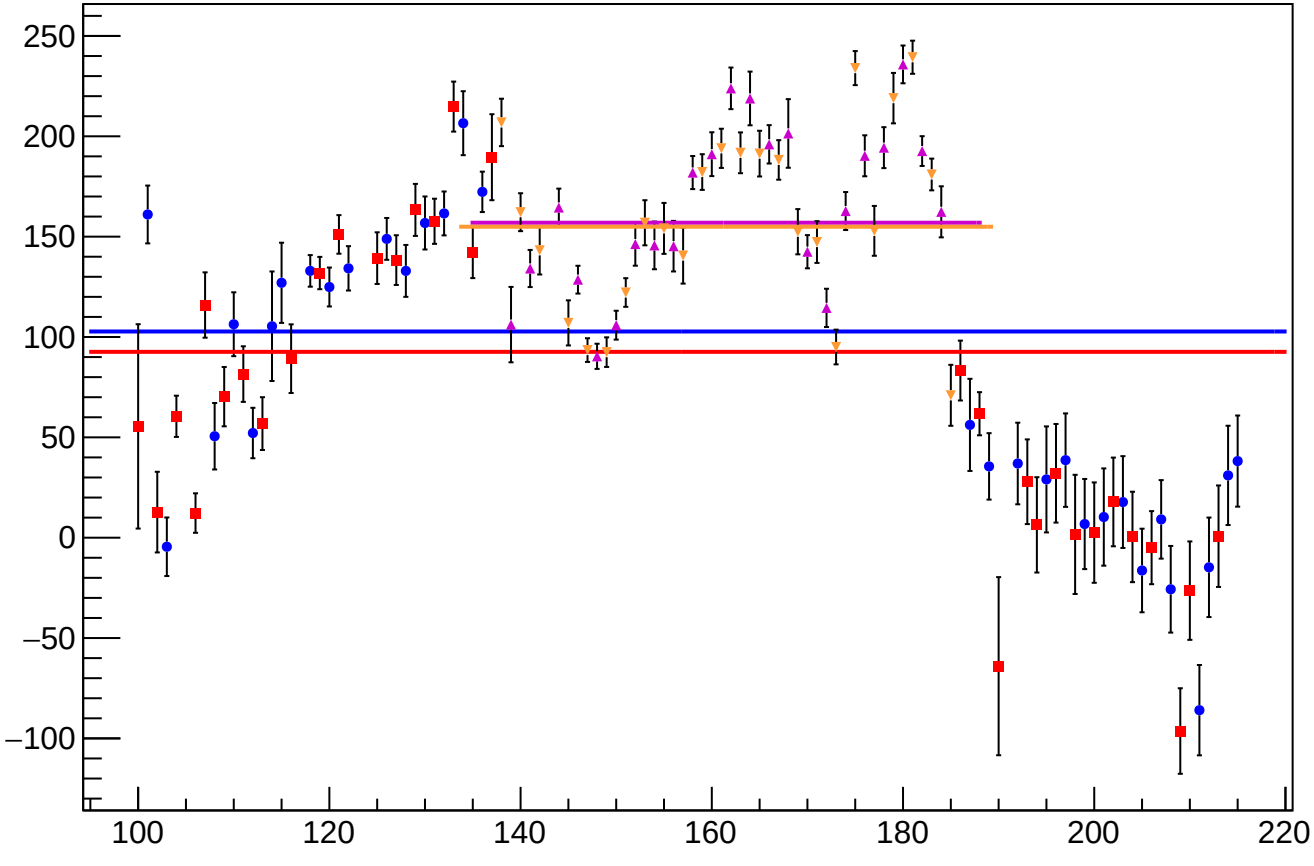
Right: 570.054+/-1.431 χ^2/NDF: 15689.7/62

In: 547.435+/-1.560 χ^2/NDF:7710.2/53

Out: 546.317+/-1.471 χ^2/NDF:13758.8/55

All: 546.844+/-1.070 χ^2/NDF: 21469.3/109

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 102.747+/-2.707 χ^2/NDF: 580.5/30

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 92.605+/-2.604 χ^2/NDF: 632.2/31

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

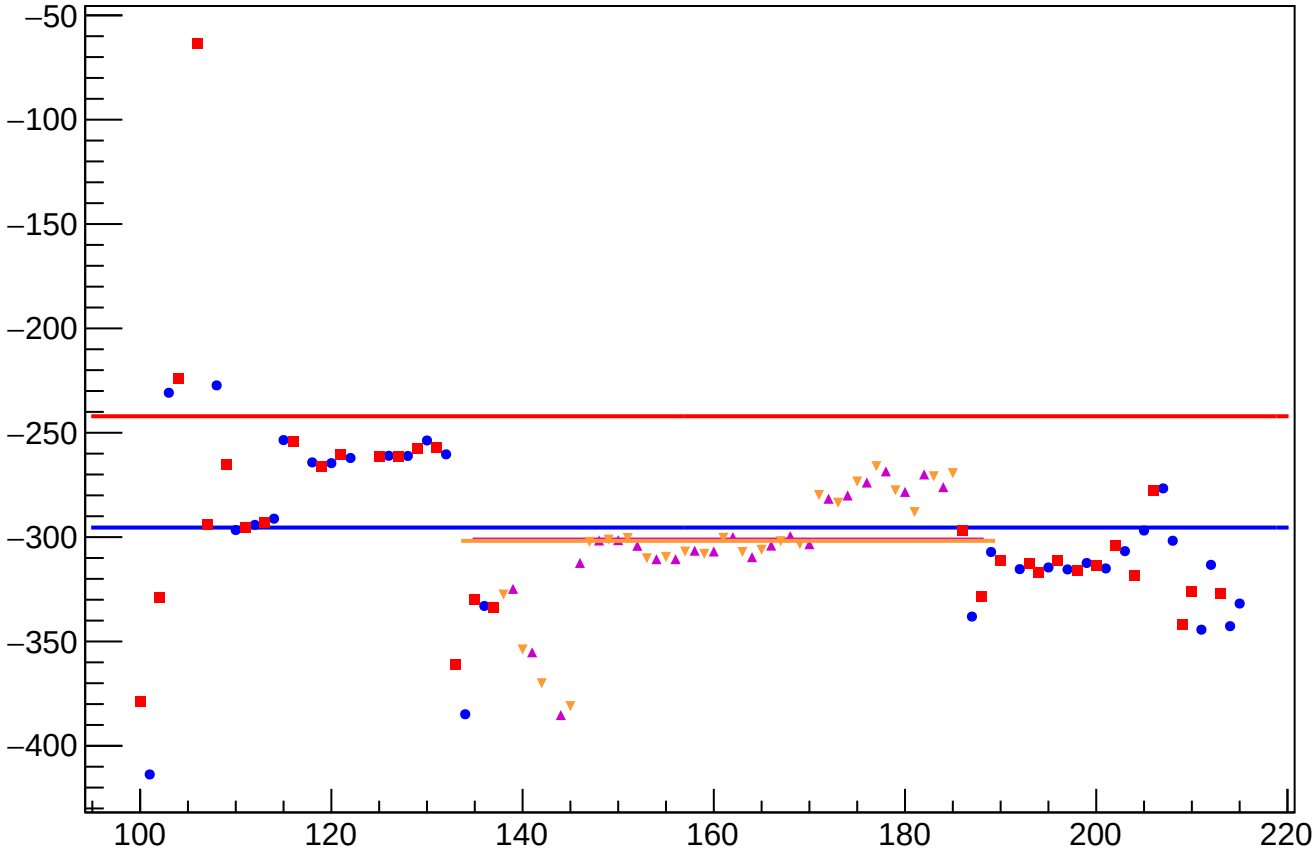
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 97.480+/-1.877 χ^2/NDF: 1220.0/62

In: 138.159+/-1.594 χ^2/NDF:1285.5/53

Out: 132.505+/-1.563 χ^2/NDF:1607.9/55

All: 135.276+/-1.116 χ^2/NDF: 2899.8/109



Right In: -295.421+/-0.138 χ^2/NDF: 118439.3/30

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -242.098+/-0.122 χ^2/NDF: 703918.0/31

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

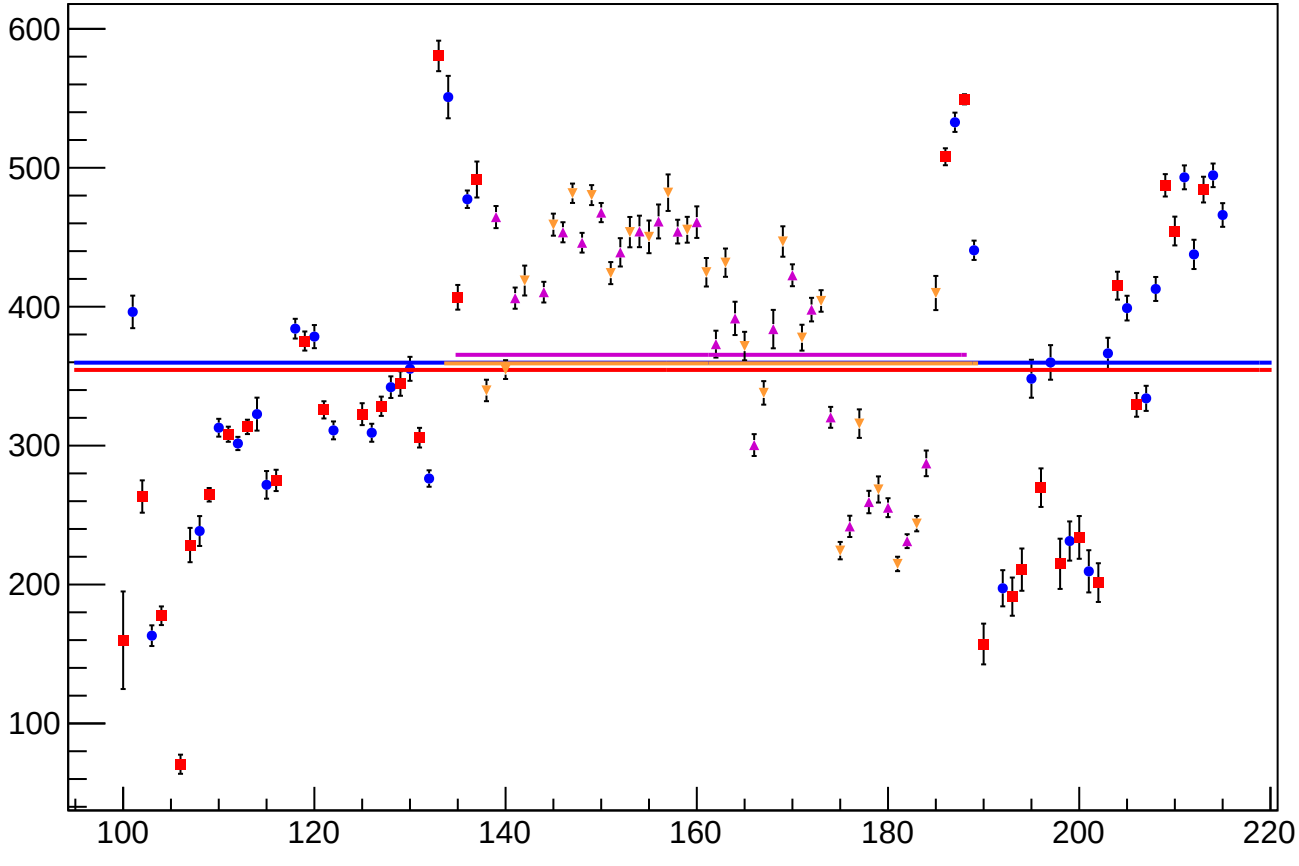
Right: -265.576+/-0.091 χ^2/NDF: 906176.1/62

In: -299.454+/-0.075 χ^2/NDF:194987.0/53

Out: -280.559+/-0.073 χ^2/NDF:944336.4/55

All: -289.691+/-0.052 χ^2/NDF: 1171805.7/10

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 359.721+/-1.482 χ^2/NDF: 3833.7/30

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 354.494+/-1.379 χ^2/NDF: 8632.2/31

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

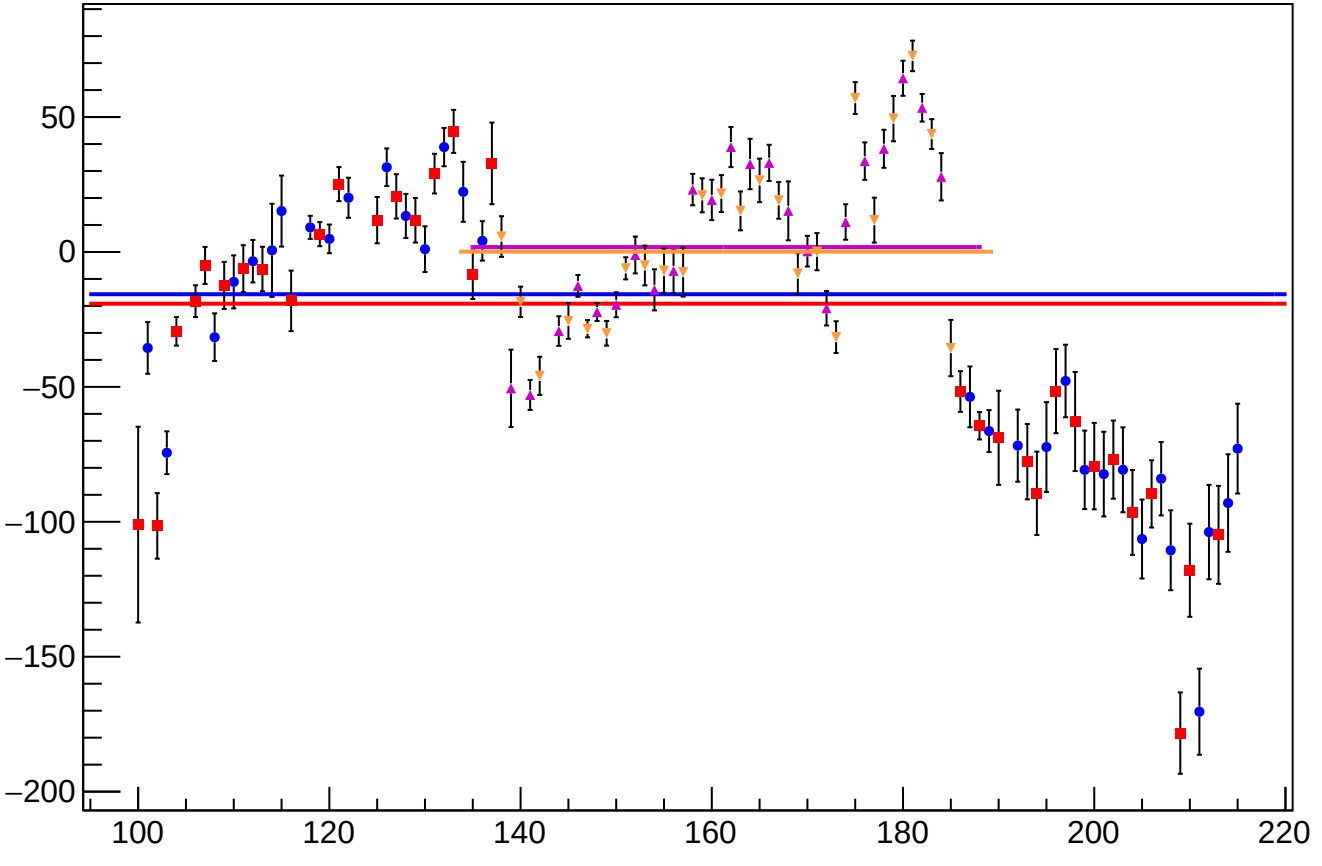
Right: 356.918+/-1.010 χ^2/NDF: 12472.6/62

In: 362.170+/-1.115 χ^2/NDF:6579.5/53

Out: 356.381+/-1.066 χ^2/NDF:11824.8/55

All: 359.145+/-0.771 χ^2/NDF: 18418.4/109

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -15.662+/-1.667 χ^2/NDF: 681.3/30

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -19.165+/-1.547 χ^2/NDF: 724.6/31

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

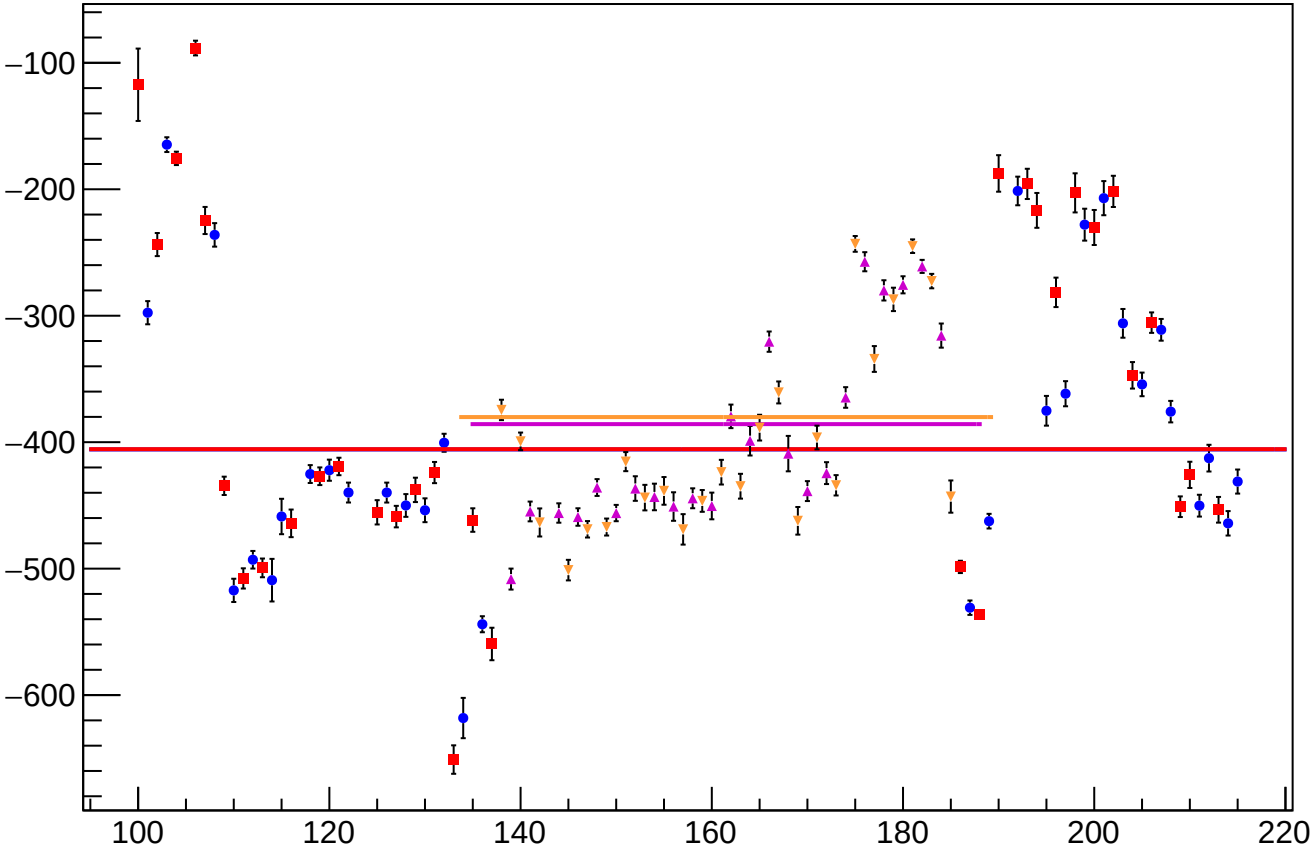
Right: -17.544+/-1.134 χ^2/NDF: 1408.2/62

In: -4.585+/-1.009 χ^2/NDF:1327.9/53

Out: -7.476+/-0.971 χ^2/NDF:1456.6/55

All: -6.086+/-0.699 χ^2/NDF: 2788.8/109

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -405.757+/-1.542 χ^2/NDF: 4938.8/30

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -405.534+/-1.384 χ^2/NDF: 10714.7/31

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

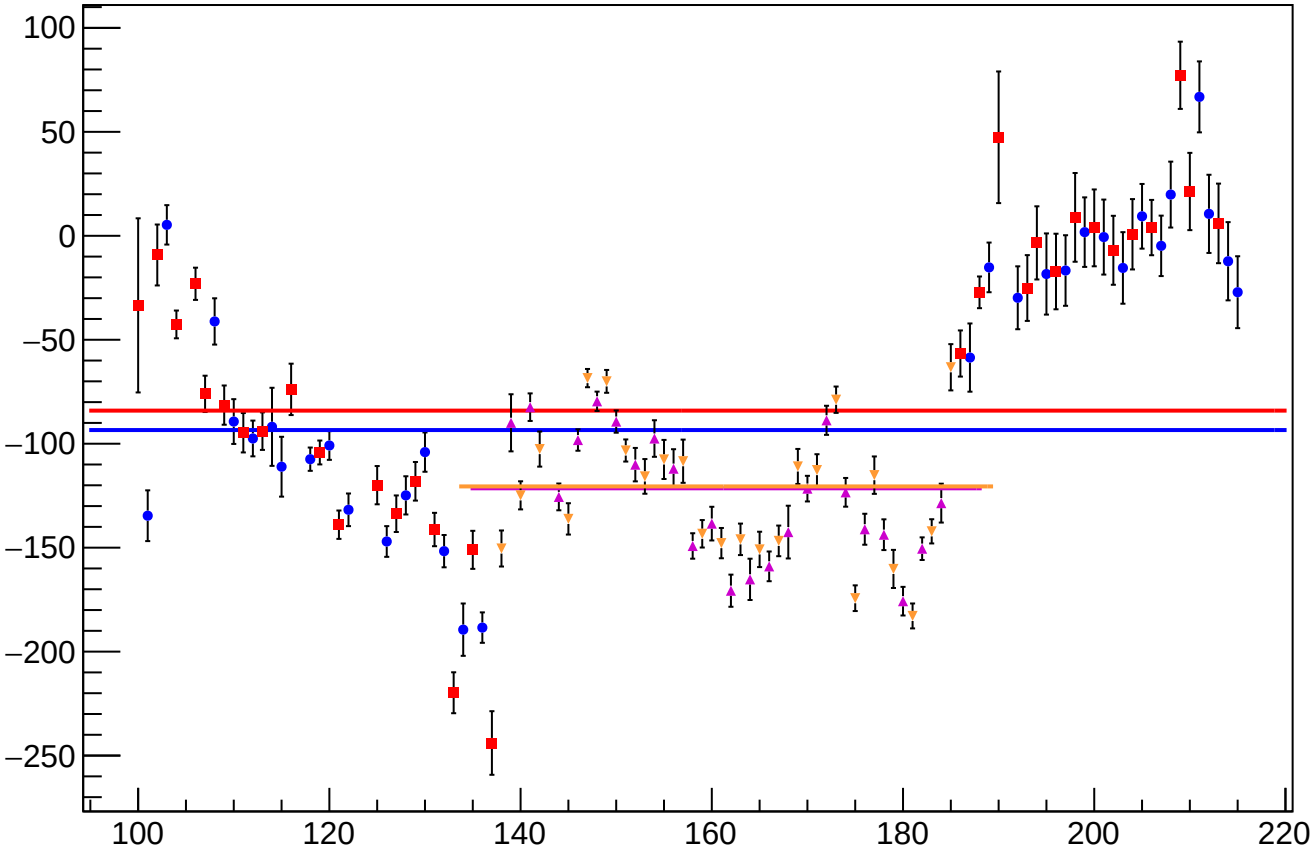
Right: -405.634+/-1.030 χ^2/NDF: 15653.5/62

In: -396.582+/-1.135 χ^2/NDF:7377.4/53

Out: -395.197+/-1.065 χ^2/NDF:13470.4/55

All: -395.846+/-0.777 χ^2/NDF: 20848.6/109

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -93.432+/-1.946 χ^2/NDF: 987.1/30

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -84.082+/-1.848 χ^2/NDF: 1086.5/31

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

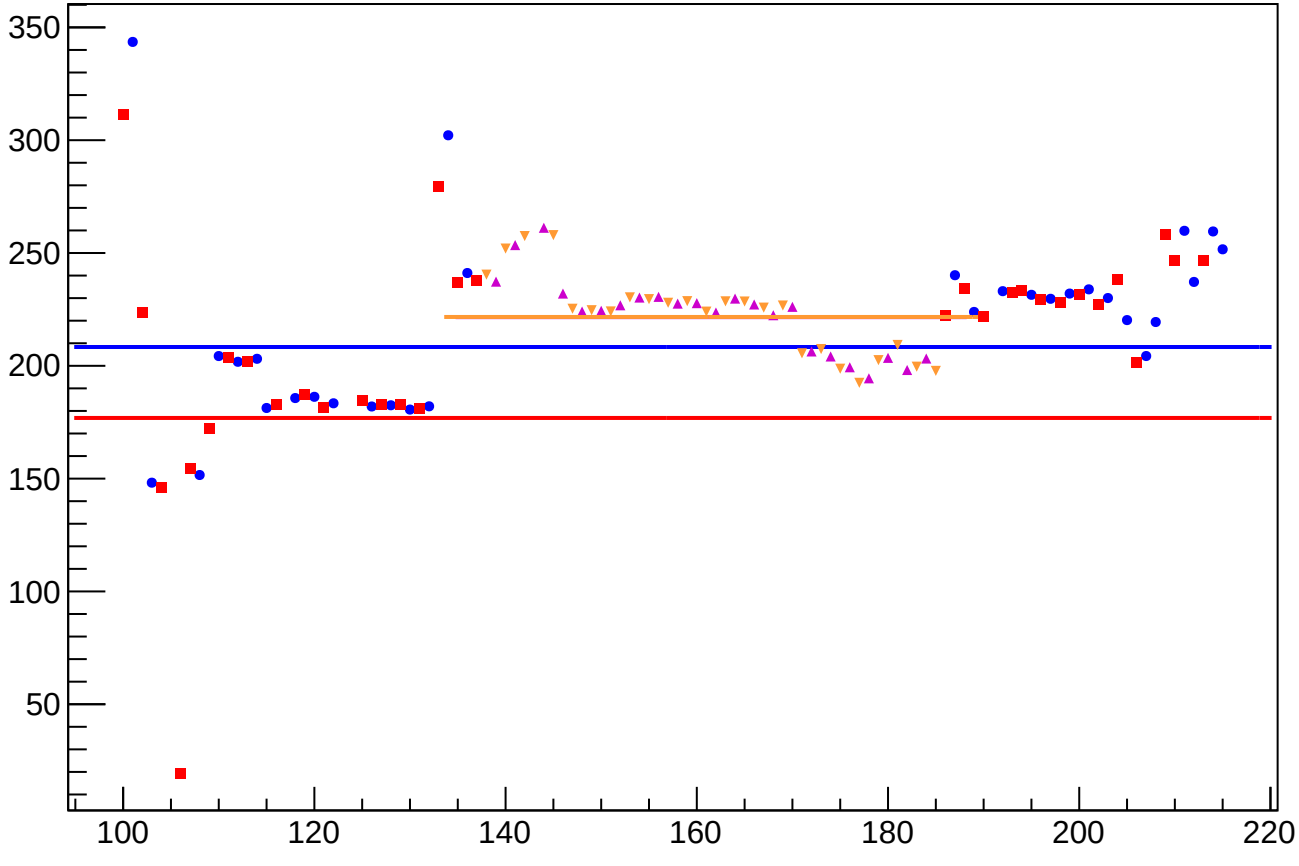
Right: -88.517+/-1.340 χ^2/NDF: 2085.8/62

In: -111.450+/-1.162 χ^2/NDF:1553.1/53

Out: -106.827+/-1.134 χ^2/NDF:1940.8/55

All: -109.080+/-0.812 χ^2/NDF: 3502.0/109

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 208.340+/-0.099 χ^2/NDF: 212156.1/30

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 176.892+/-0.090 χ^2/NDF: 674775.5/31

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

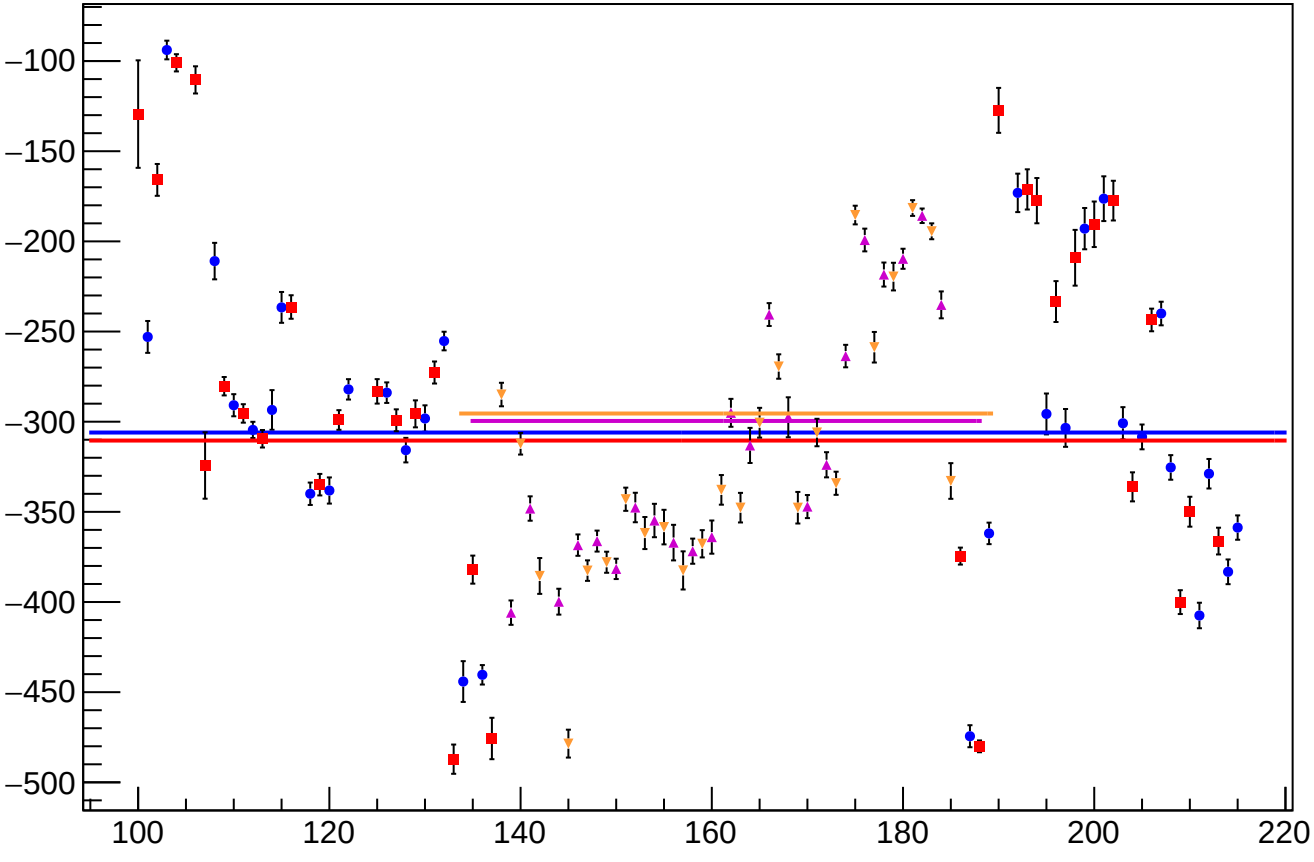
Right: 191.213+/-0.067 χ^2/NDF: 942065.7/62

In: 217.474+/-0.055 χ^2/NDF:286653.0/53

Out: 205.877+/-0.054 χ^2/NDF:900810.5/55

All: 211.531+/-0.038 χ^2/NDF: 1210241.9/109

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -306.009+/-1.253 χ^2/NDF: 4552.0/30

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -310.457+/-1.198 χ^2/NDF: 8008.6/31

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

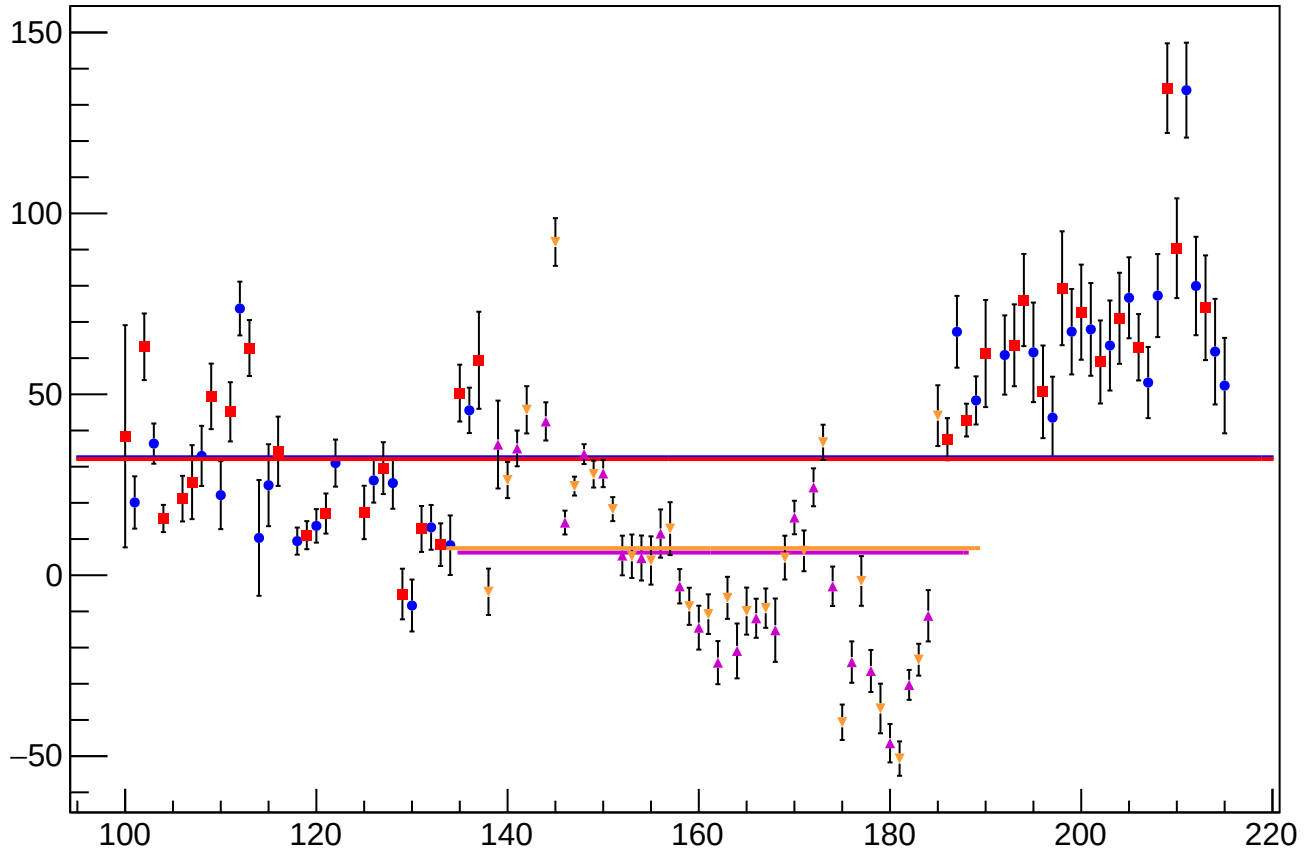
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -308.334+/-0.866 χ^2/NDF: 12567.2/62

In: -303.145+/-0.933 χ^2/NDF:7535.4/53

Out: -304.084+/-0.908 χ^2/NDF:11421.6/55

All: -303.627+/-0.651 χ^2/NDF: 18957.5/109



Right In: 32.597+/-1.411 χ^2/NDF: 315.8/30

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 32.109+/-1.335 χ^2/NDF: 332.0/31

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

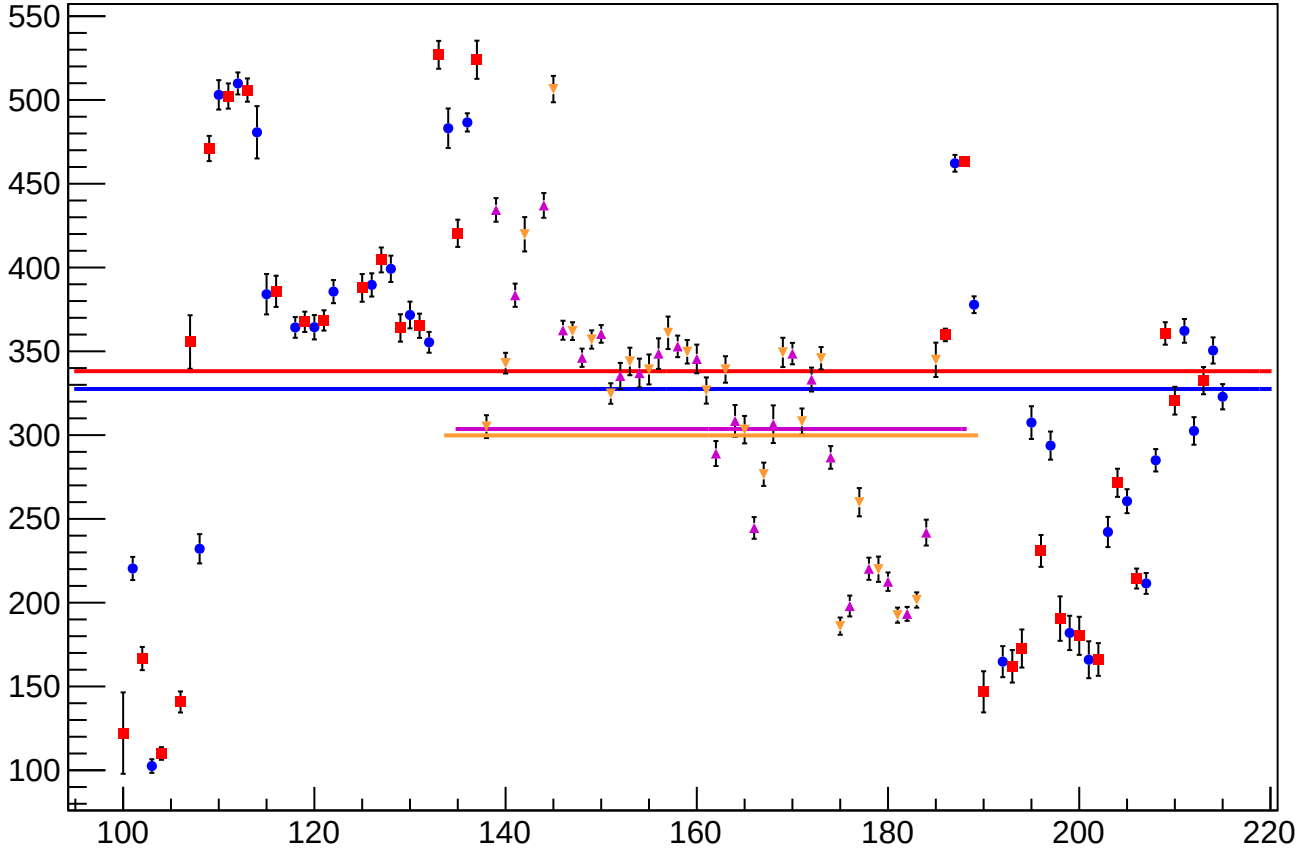
Right: 32.339+/-0.970 χ^2/NDF: 647.9/62

In: 15.586+/-0.840 χ^2/NDF:1100.2/53

Out: 16.666+/-0.815 χ^2/NDF:1283.7/55

All: 16.142+/-0.585 χ^2/NDF: 2384.8/109

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 327.526+/-1.281 χ^2/NDF: 8257.8/30

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 338.144+/-1.180 χ^2/NDF: 12157.2/31

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

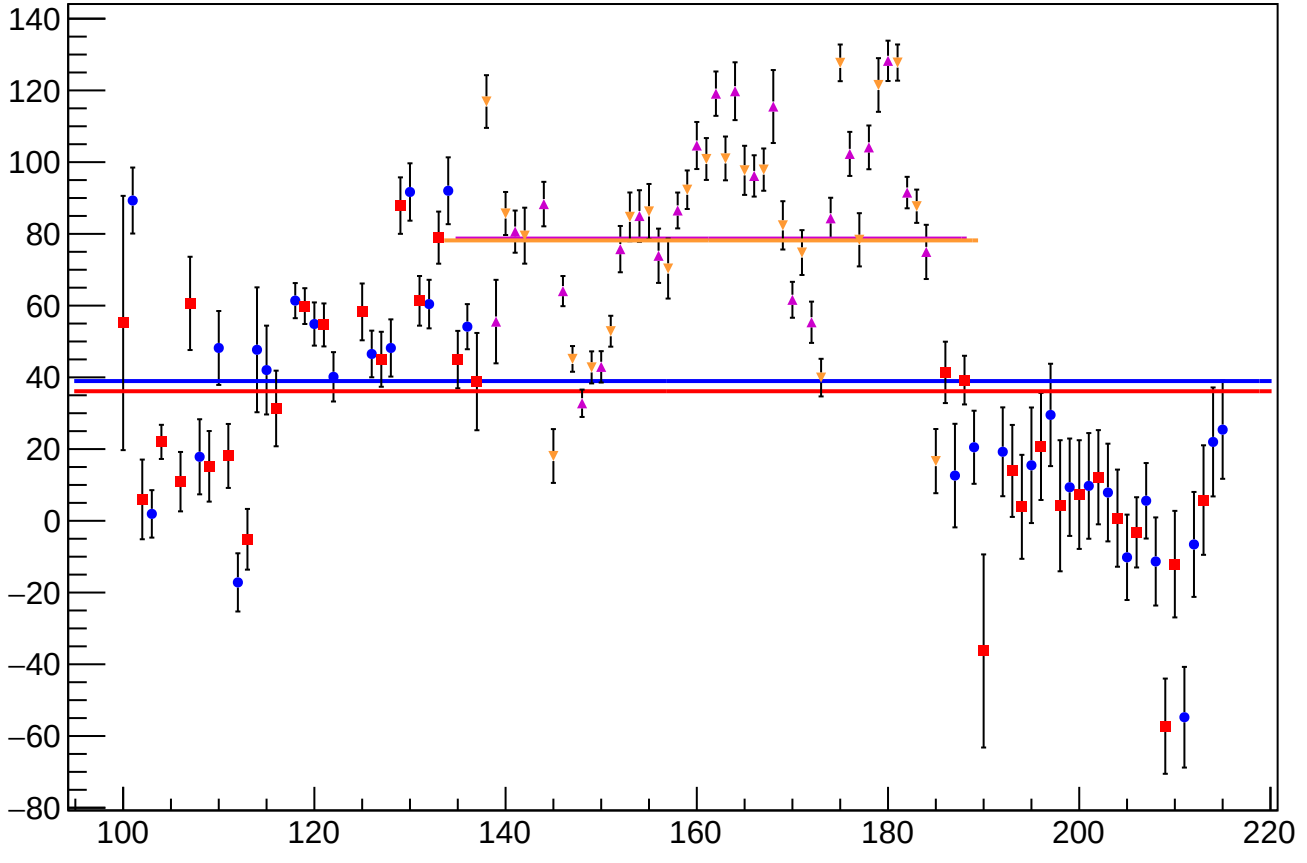
Right: 333.267+/-0.868 χ^2/NDF: 20452.2/62

In: 316.500+/-0.940 χ^2/NDF:11290.9/53

Out: 321.968+/-0.897 χ^2/NDF:15678.2/55

All: 319.360+/-0.649 χ^2/NDF: 26986.8/109

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.962+/-1.645 χ^2/NDF: 362.7/30

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 36.128+/-1.595 χ^2/NDF: 309.5/31

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

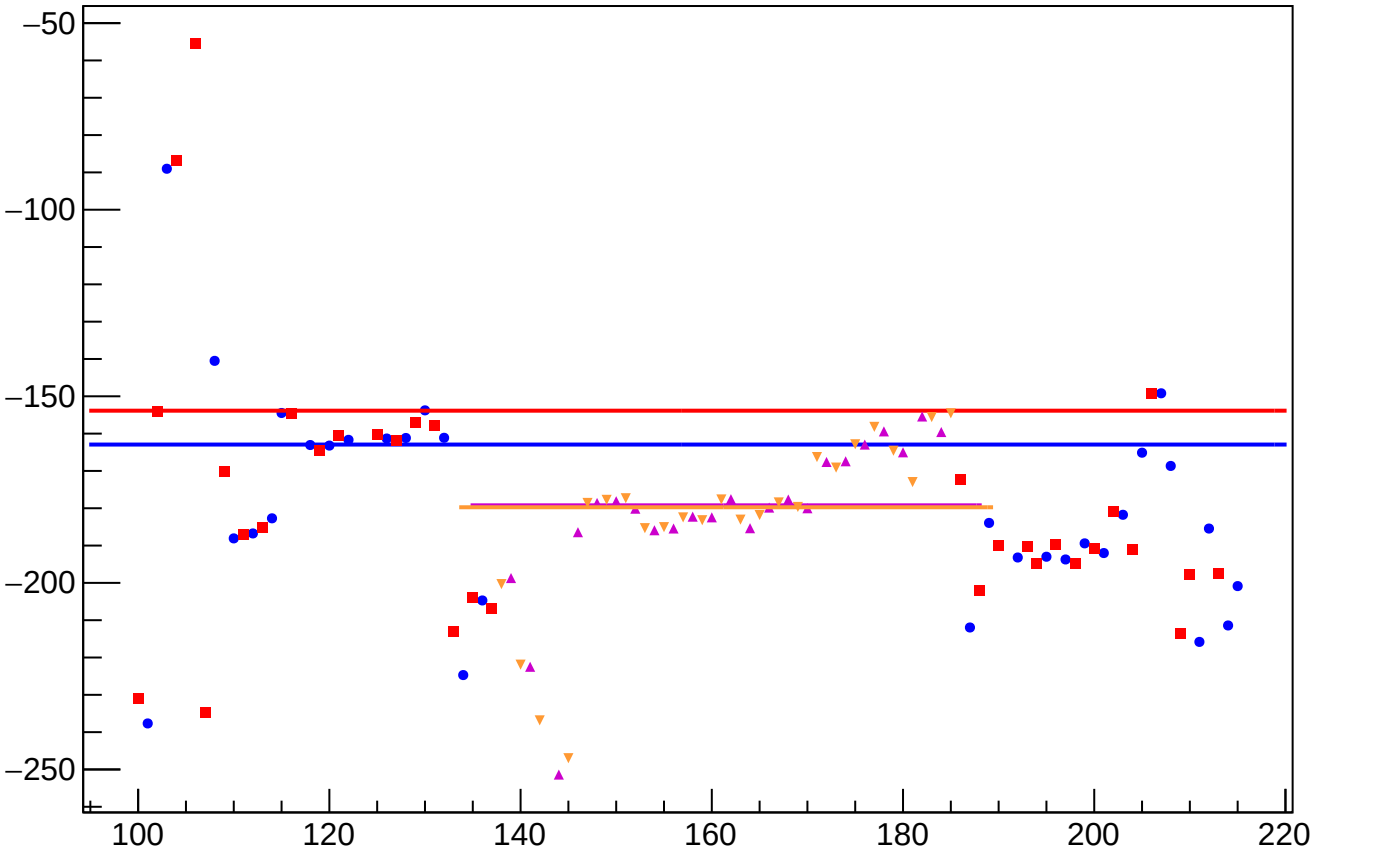
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.501+/-1.145 χ^2/NDF: 673.7/62

In: 64.970+/-0.967 χ^2/NDF:1233.0/53

Out: 63.234+/-0.951 χ^2/NDF:1420.8/55

All: 64.088+/-0.678 χ^2/NDF: 2655.4/109



Right In: -162.932+/-0.080 χ^2/NDF: 319243.3/30

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -153.855+/-0.077 χ^2/NDF: 435623.4/31

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

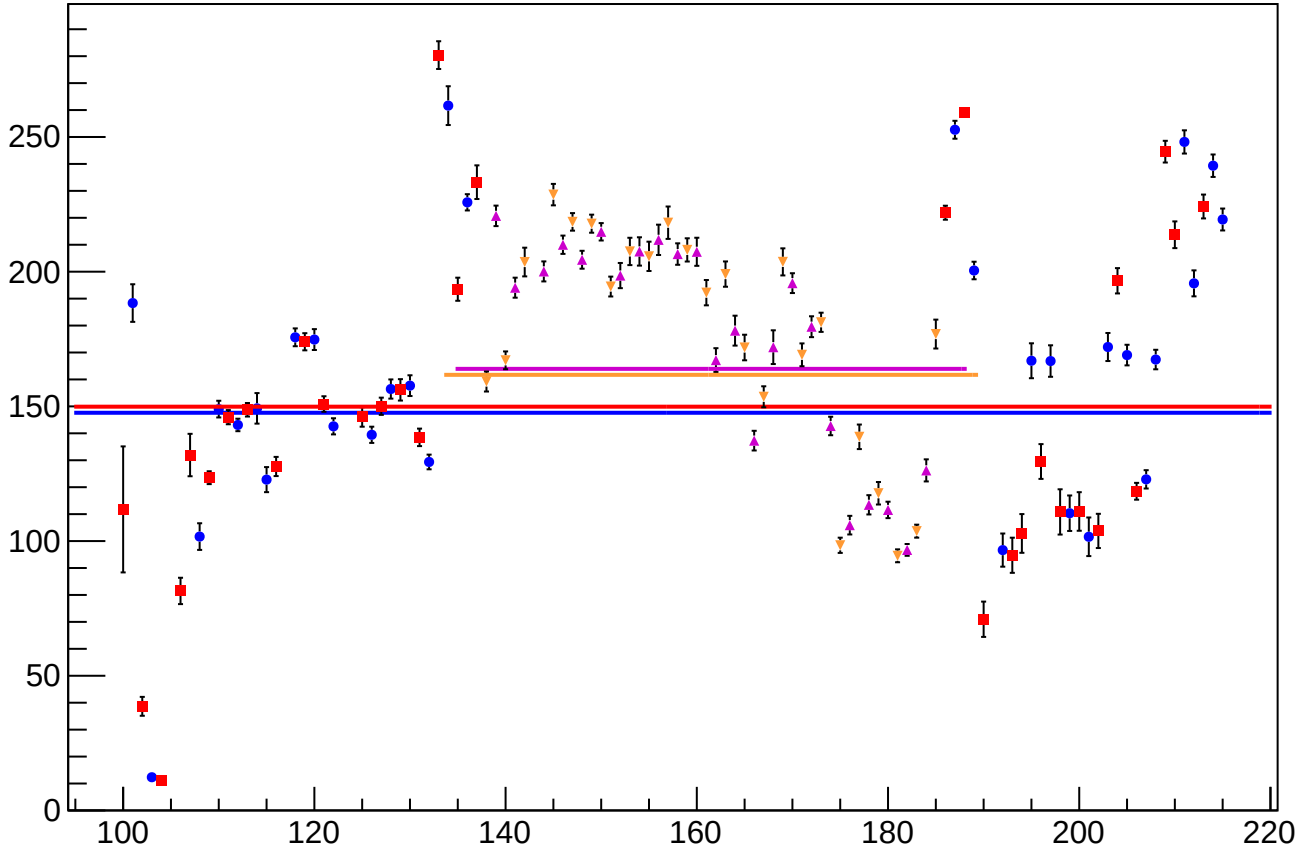
Right: -158.264+/-0.055 χ^2/NDF: 761551.6/62

In: -174.020+/-0.045 χ^2/NDF:461256.2/53

Out: -171.049+/-0.045 χ^2/NDF:642173.6/55

All: -172.530+/-0.032 χ^2/NDF: 1105619.3/10

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 147.628+/-0.658 χ^2/NDF: 9801.1/30

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 149.889+/-0.622 χ^2/NDF: 14348.6/31

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

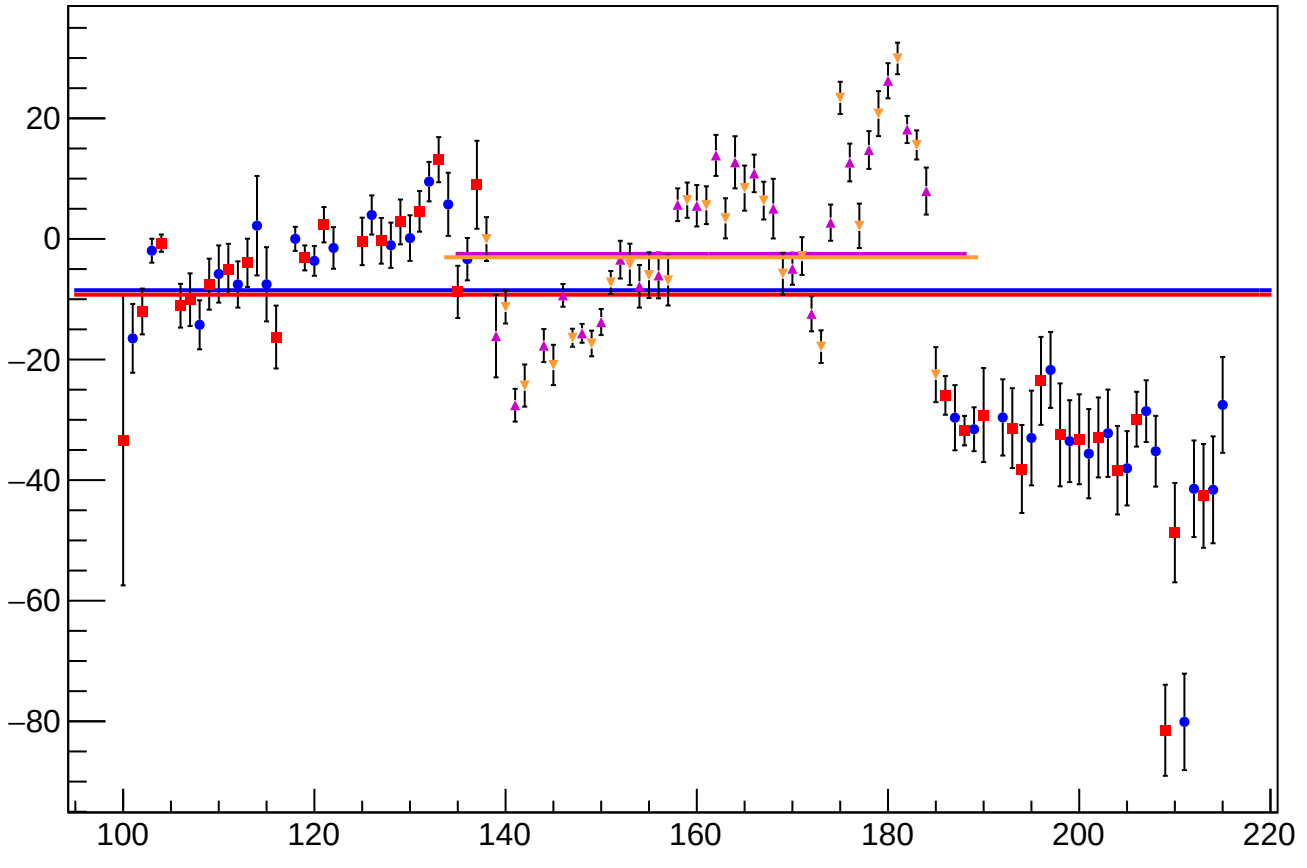
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 148.822+/-0.452 χ^2/NDF: 24155.9/62

In: 154.411+/-0.503 χ^2/NDF:13392.0/53

Out: 154.506+/-0.485 χ^2/NDF:18077.2/55

All: 154.460+/-0.349 χ^2/NDF: 31469.3/109



Right In: -8.507+/-0.739 χ^2/NDF: 401.0/30

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -9.248+/-0.675 χ^2/NDF: 492.4/31

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

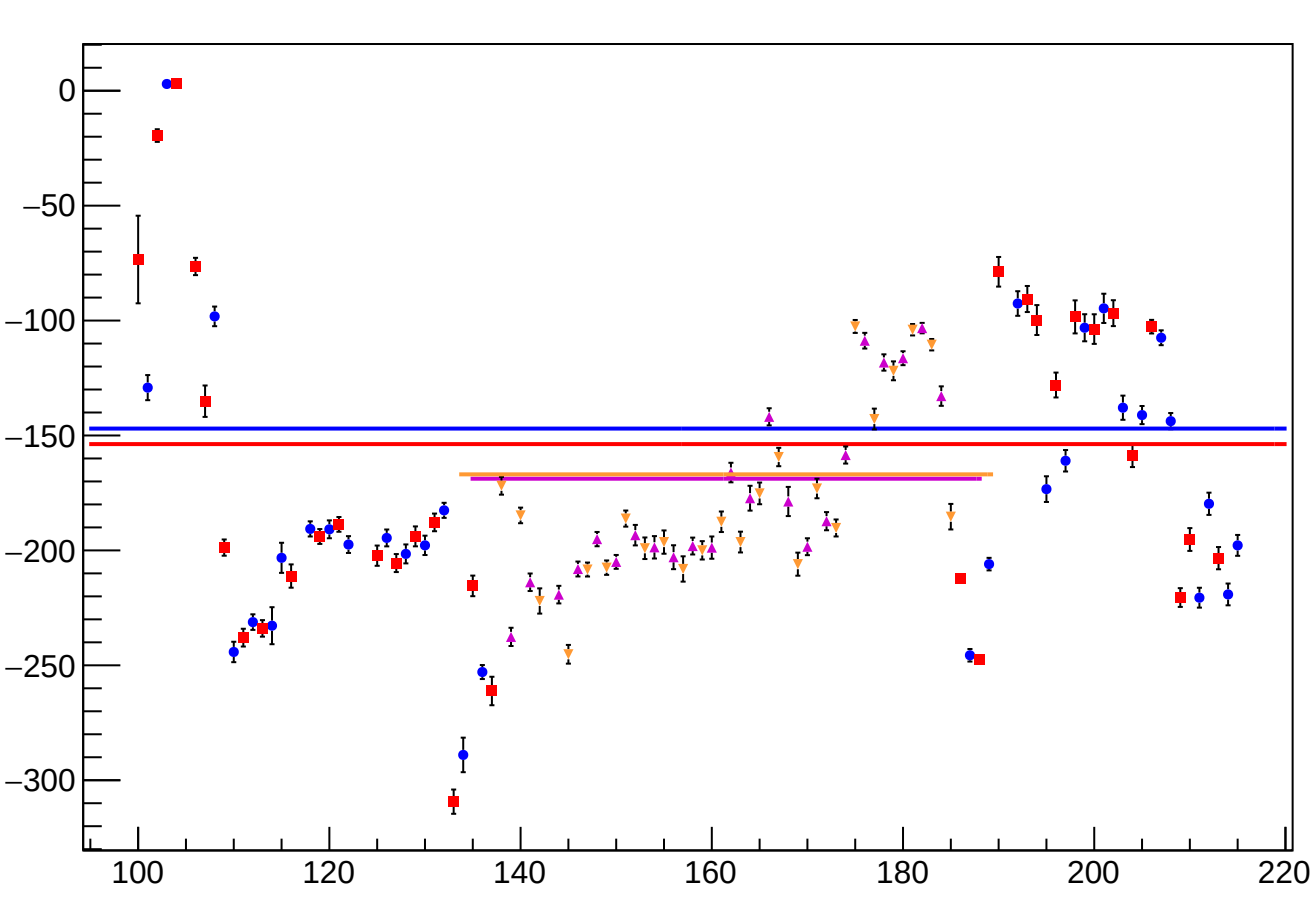
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -8.911+/-0.498 χ^2/NDF: 894.0/62

In: -4.818+/-0.460 χ^2/NDF:1004.6/53

Out: -5.666+/-0.439 χ^2/NDF:1195.7/55

All: -5.261+/-0.318 χ^2/NDF: 2202.0/109



Right In: -146.994+/-0.660 χ^2/NDF: 17990.8/30

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -153.748+/-0.605 χ^2/NDF: 24489.2/31

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

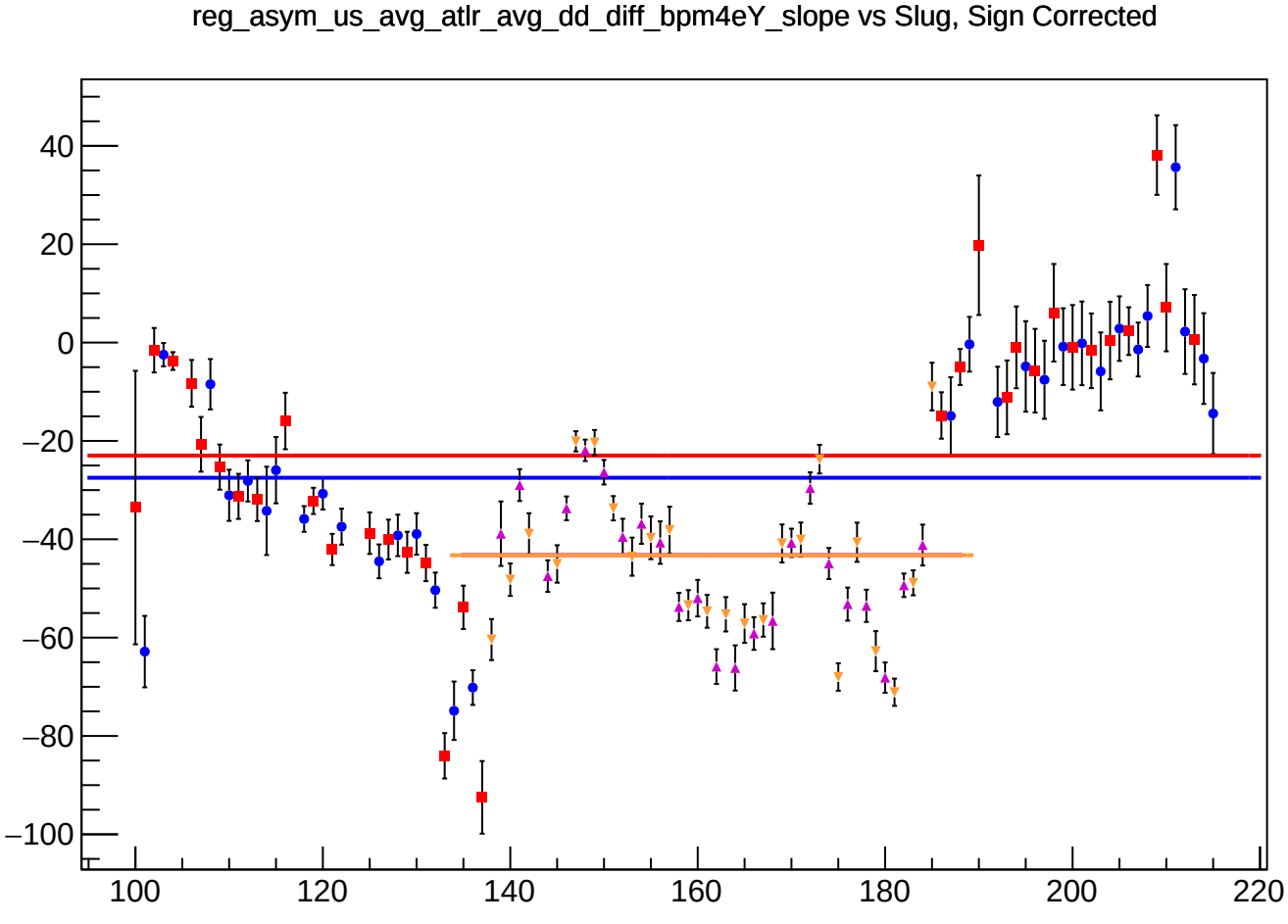
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -150.664+/-0.446 χ^2/NDF: 42537.0/62

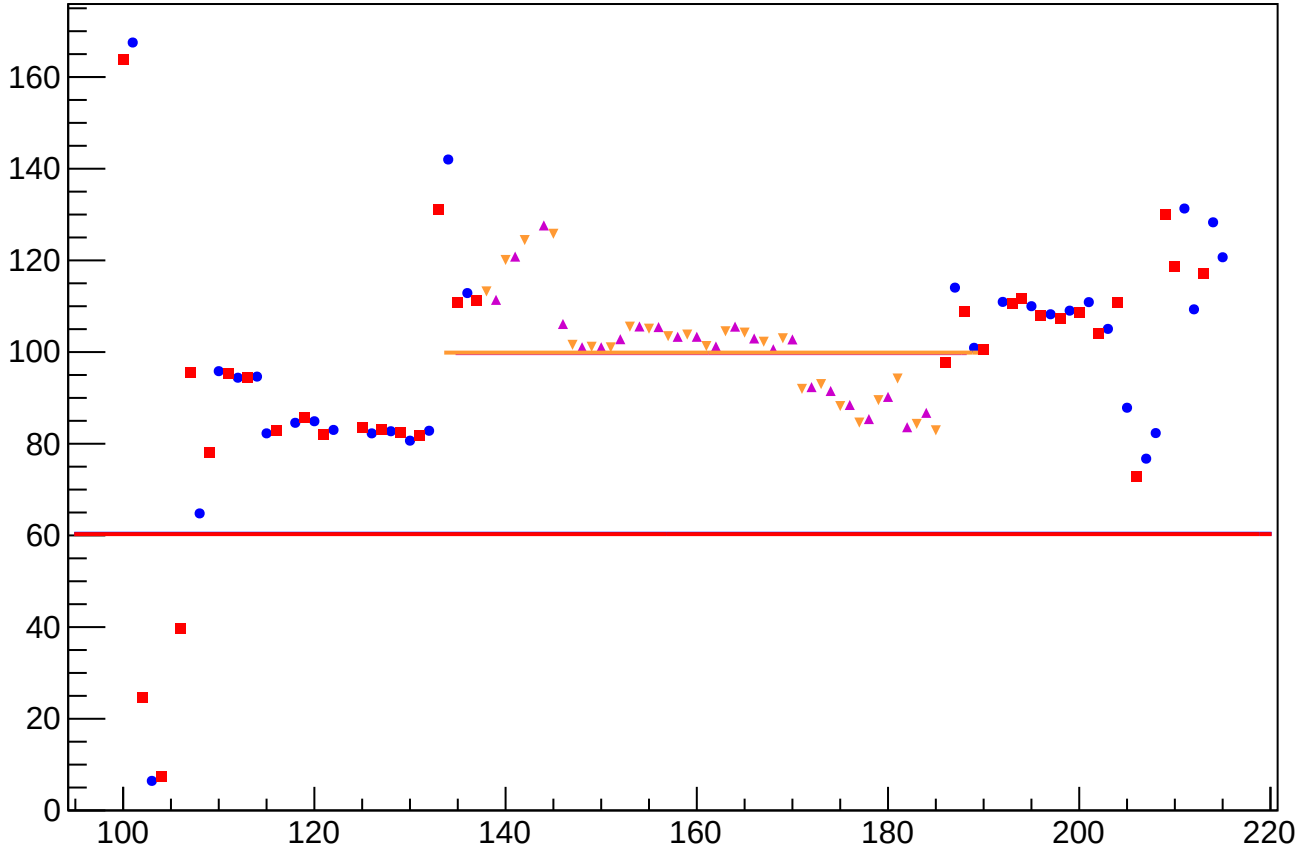
In: -156.199+/-0.502 χ^2/NDF:21511.4/53

Out: -158.766+/-0.476 χ^2/NDF:27765.9/55

All: -157.550+/-0.345 χ^2/NDF: 49291.1/109


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
220
Right In: -27.491+/-0.862 χ²/NDF: 680.8/30
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -22.976+/-0.809 χ²/NDF: 789.1/31
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -25.091+/-0.590 χ²/NDF: 1484.4/62
In: -37.291+/-0.529 χ²/NDF:1293.8/53
Out: -35.095+/-0.513 χ²/NDF:1774.2/55
All: -36.160+/-0.368 χ²/NDF: 3076.8/109

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 60.362+/-0.038 χ^2/NDF: 1588741.3/30

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 60.284+/-0.038 χ^2/NDF: 1361331.4/31

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

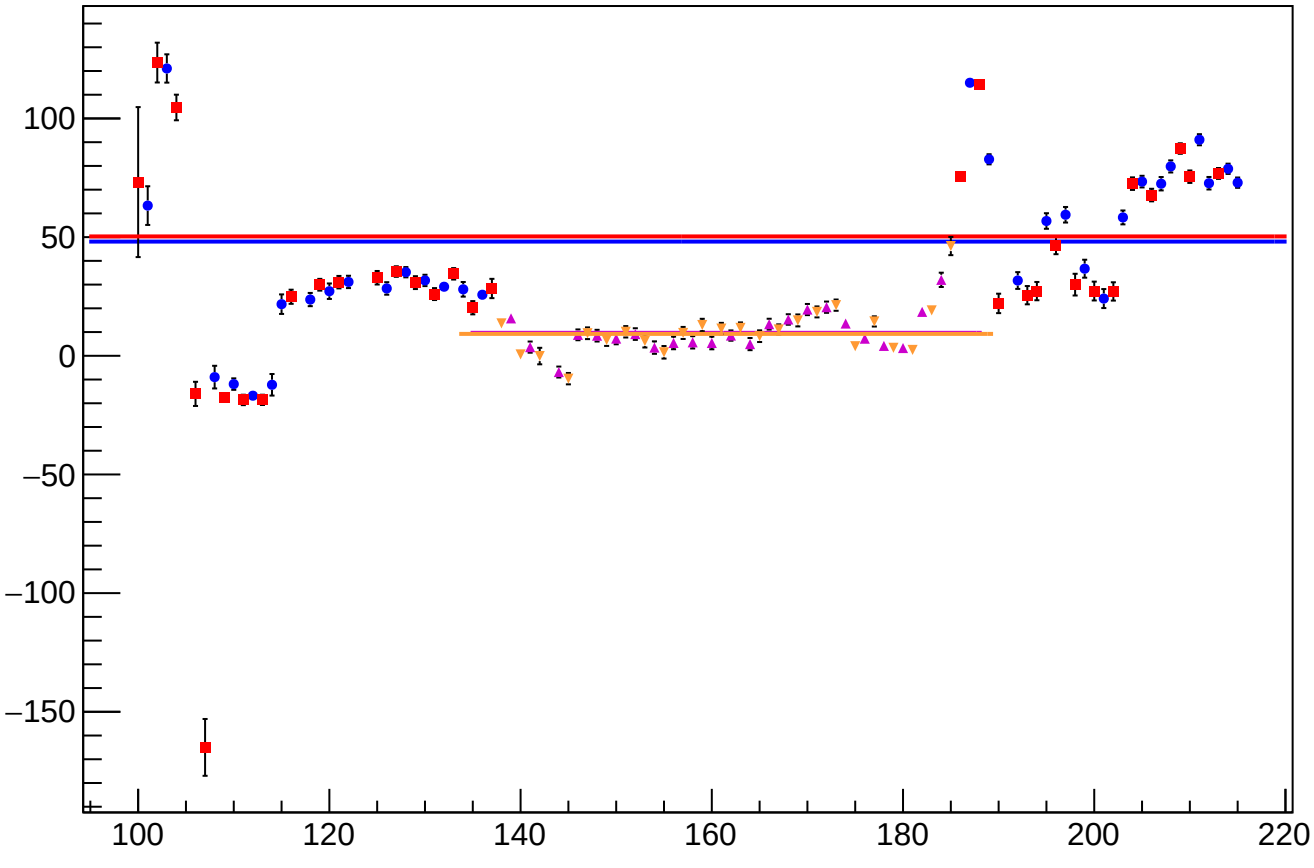
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 60.323+/-0.027 χ^2/NDF: 2950074.8/62

In: 84.408+/-0.024 χ^2/NDF:2350744.1/53

Out: 84.259+/-0.024 χ^2/NDF:2138393.3/55

All: 84.334+/-0.017 χ^2/NDF: 4489156.9/109



Right In: 48.125+/-0.482 χ^2/NDF: 5296.9/30

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 50.297+/-0.460 χ^2/NDF: 8573.6/31

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

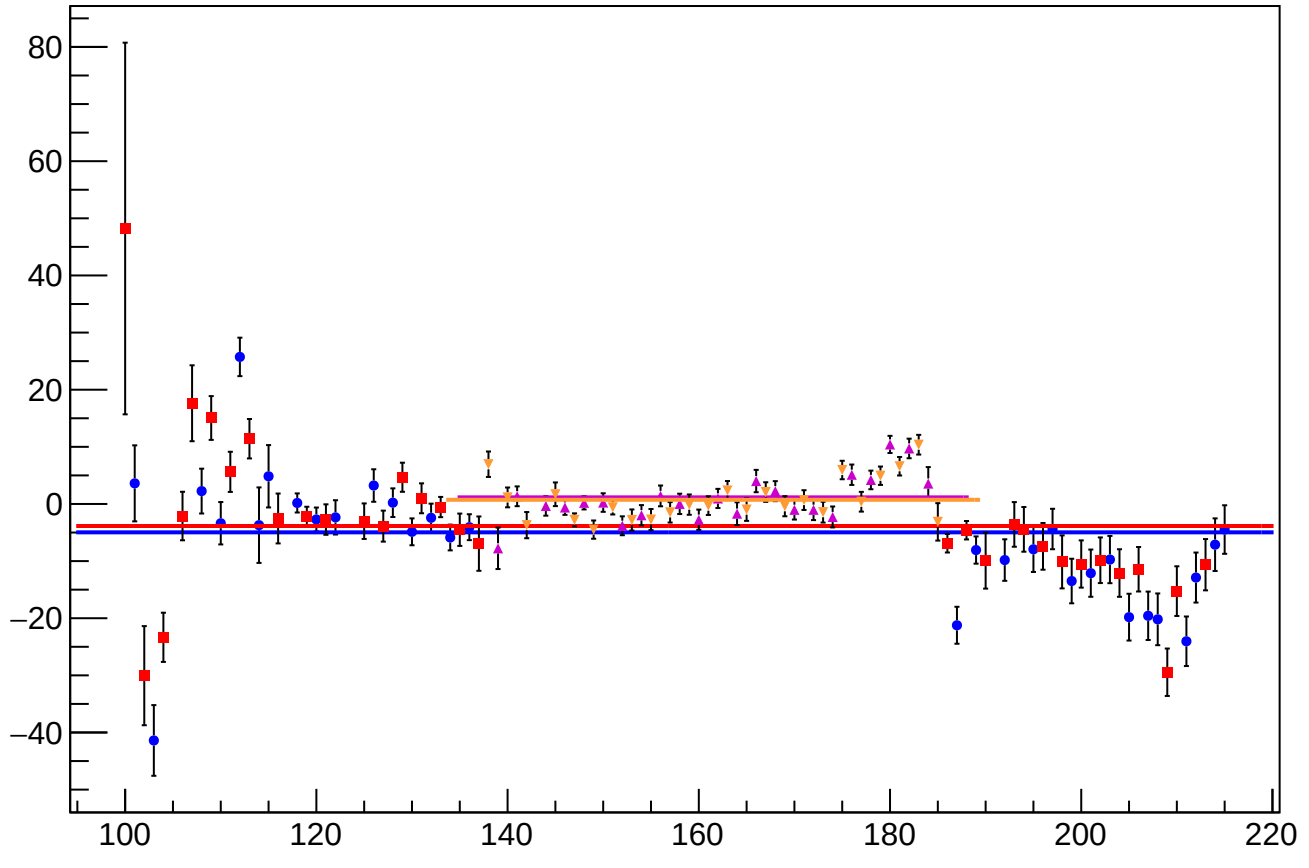
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 49.262+/-0.333 χ^2/NDF: 13881.1/62

In: 28.101+/-0.334 χ^2/NDF:8857.3/53

Out: 29.613+/-0.324 χ^2/NDF:12919.7/55

All: 28.880+/-0.232 χ^2/NDF: 21787.6/109



Right In: -4.967+/-0.569 χ^2/NDF: 249.3/30

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.856+/-0.541 χ^2/NDF: 181.6/31

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

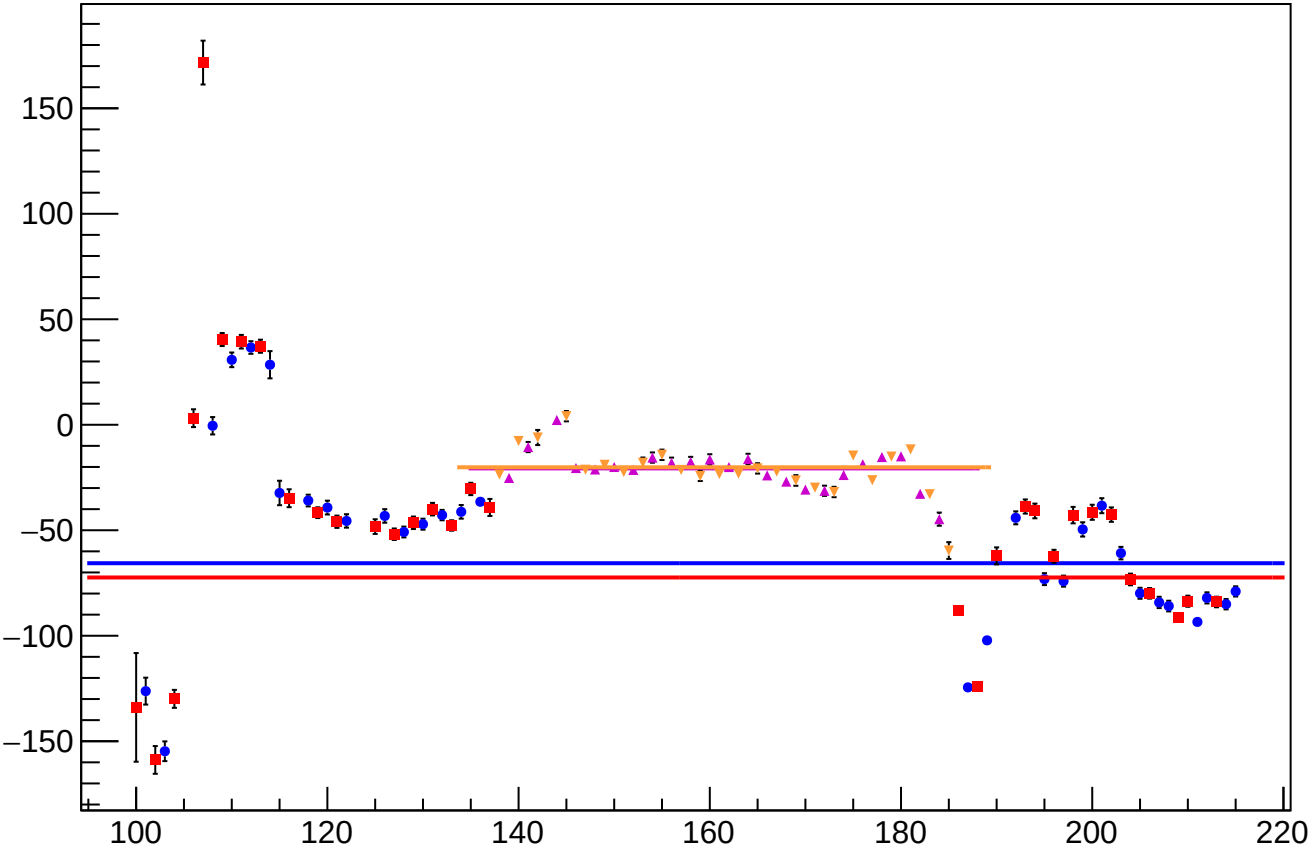
Right: -4.384+/-0.392 χ^2/NDF: 432.8/62

In: -0.578+/-0.303 χ^2/NDF:442.8/53

Out: -0.619+/-0.294 χ^2/NDF:342.0/55

All: -0.599+/-0.211 χ^2/NDF: 784.8/109

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -65.620+/-0.496 χ^2/NDF: 5903.4/30

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -72.383+/-0.449 χ^2/NDF: 9781.7/31

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

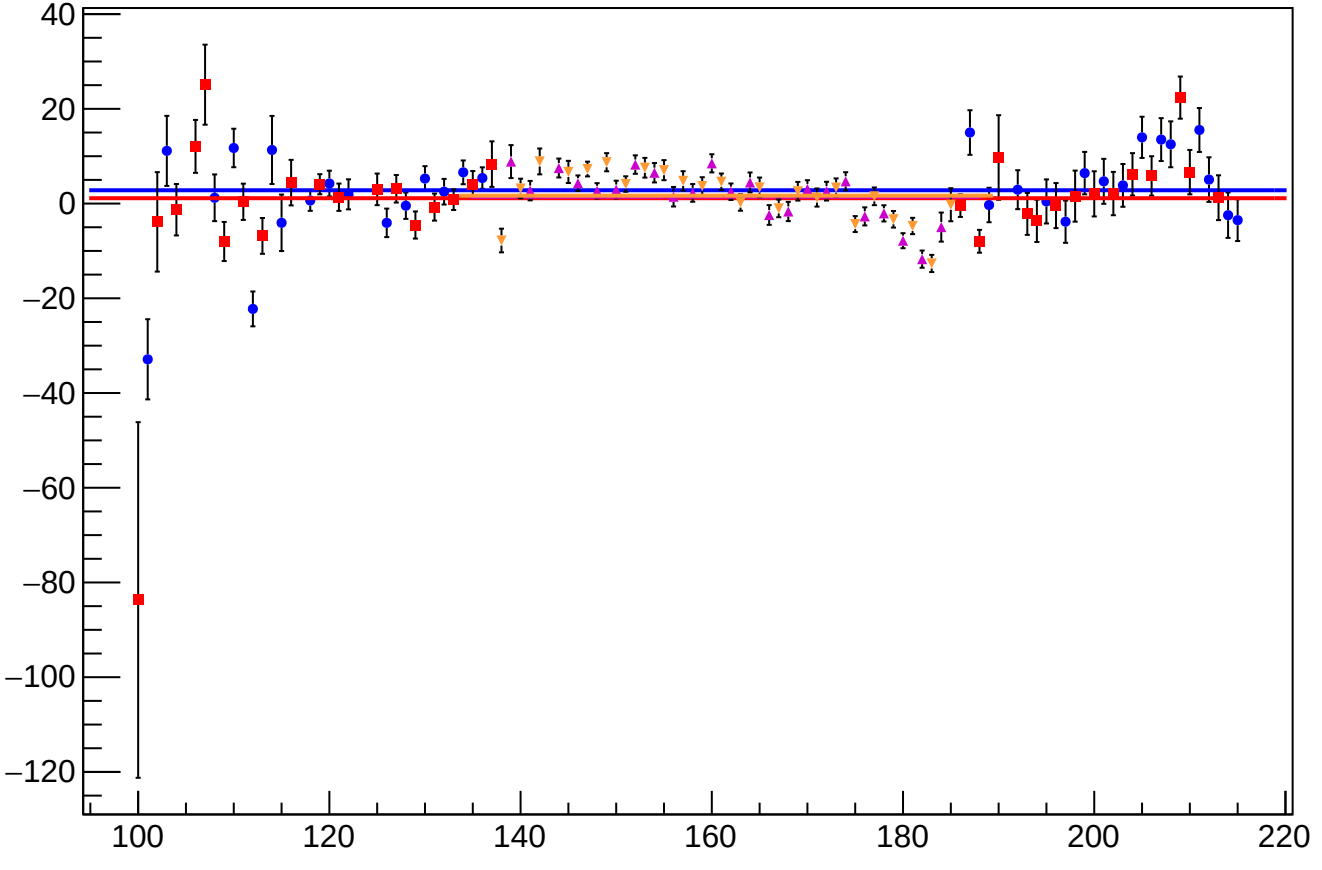
Right: -69.336+/-0.333 χ^2/NDF: 15787.3/62

In: -41.354+/-0.336 χ^2/NDF:10649.4/53

Out: -46.464+/-0.319 χ^2/NDF:16916.3/55

All: -44.046+/-0.231 χ^2/NDF: 27687.3/109

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.811+/-0.656 χ^2/NDF: 123.4/30

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 1.131+/-0.648 χ^2/NDF: 81.8/31

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

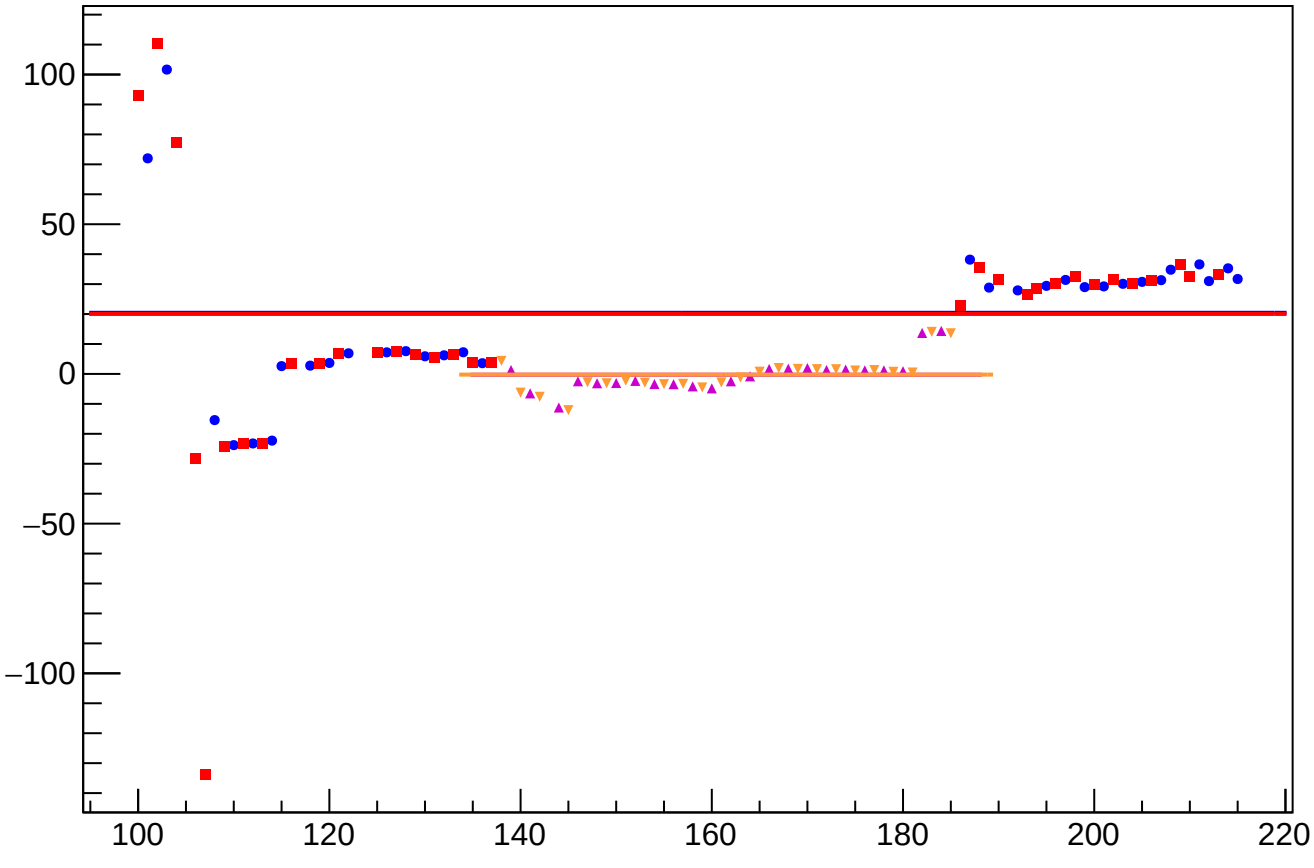
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.961+/-0.461 χ^2/NDF: 208.5/62

In: 1.806+/-0.343 χ^2/NDF:289.5/53

Out: 1.525+/-0.337 χ^2/NDF:260.2/55

All: 1.663+/-0.240 χ^2/NDF: 550.0/109



Right In: 20.421+/-0.033 χ^2/NDF: 434890.3/30

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 20.038+/-0.033 χ^2/NDF: 602528.9/31

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

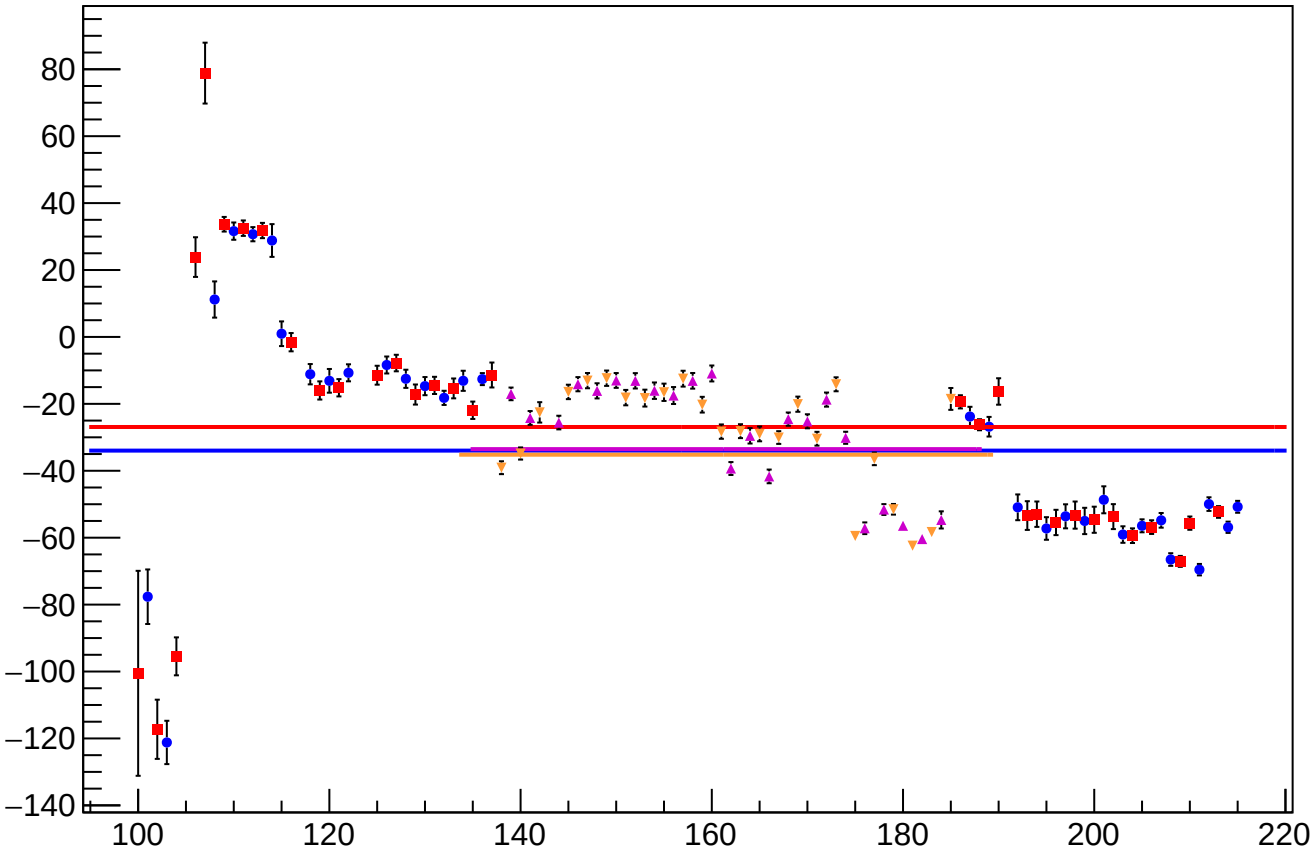
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 20.231+/-0.023 χ^2/NDF: 1037487.3/62

In: 4.449+/-0.016 χ^2/NDF:817986.2/53

Out: 4.279+/-0.016 χ^2/NDF:977204.6/55

All: 4.364+/-0.011 χ^2/NDF: 1795250.6/109



Right In: -33.974+/-0.459 χ^2/NDF: 4297.6/30

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -26.916+/-0.474 χ^2/NDF: 4603.5/31

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

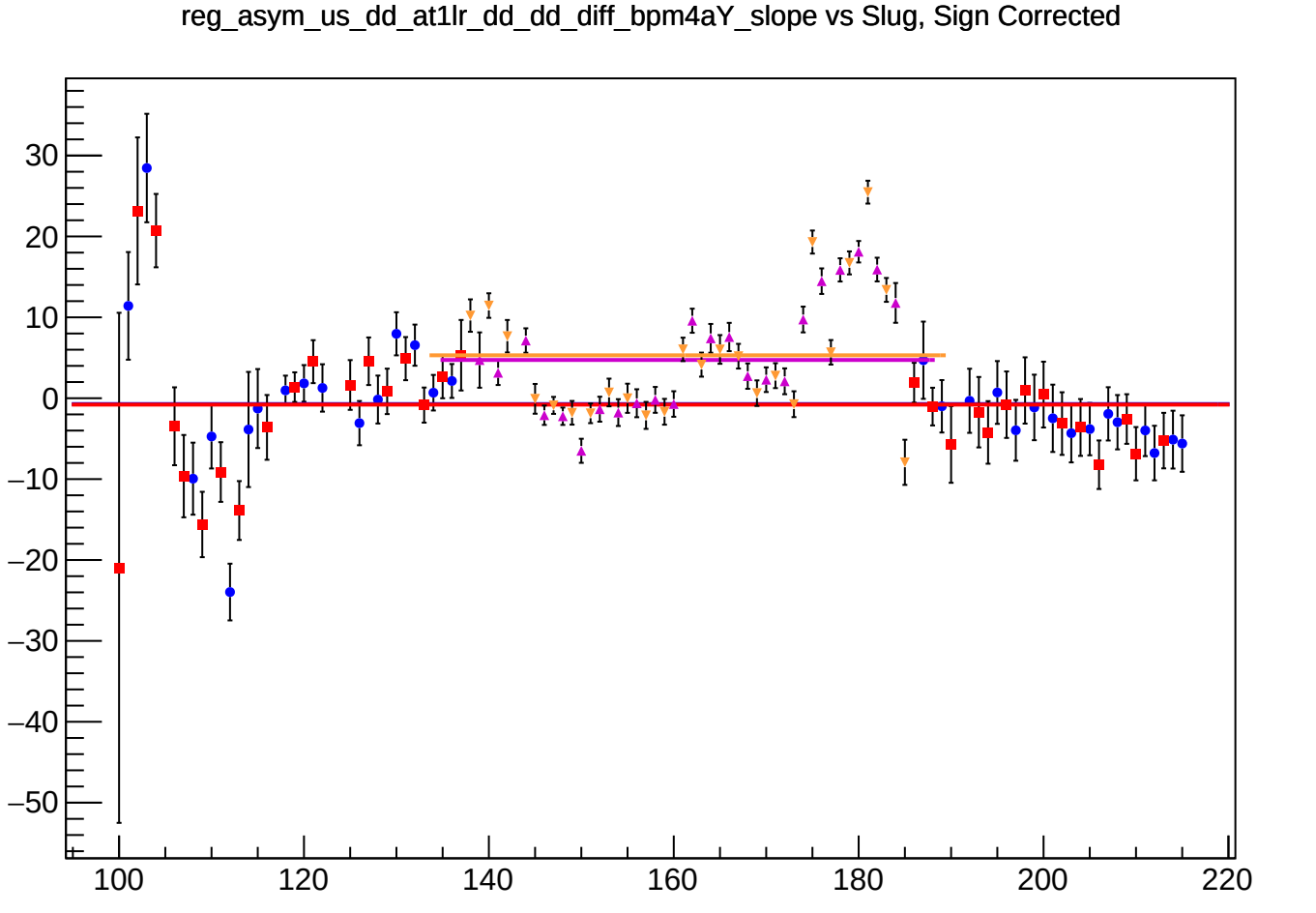
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

Right: -30.552+/-0.330 χ^2/NDF: 9015.5/62

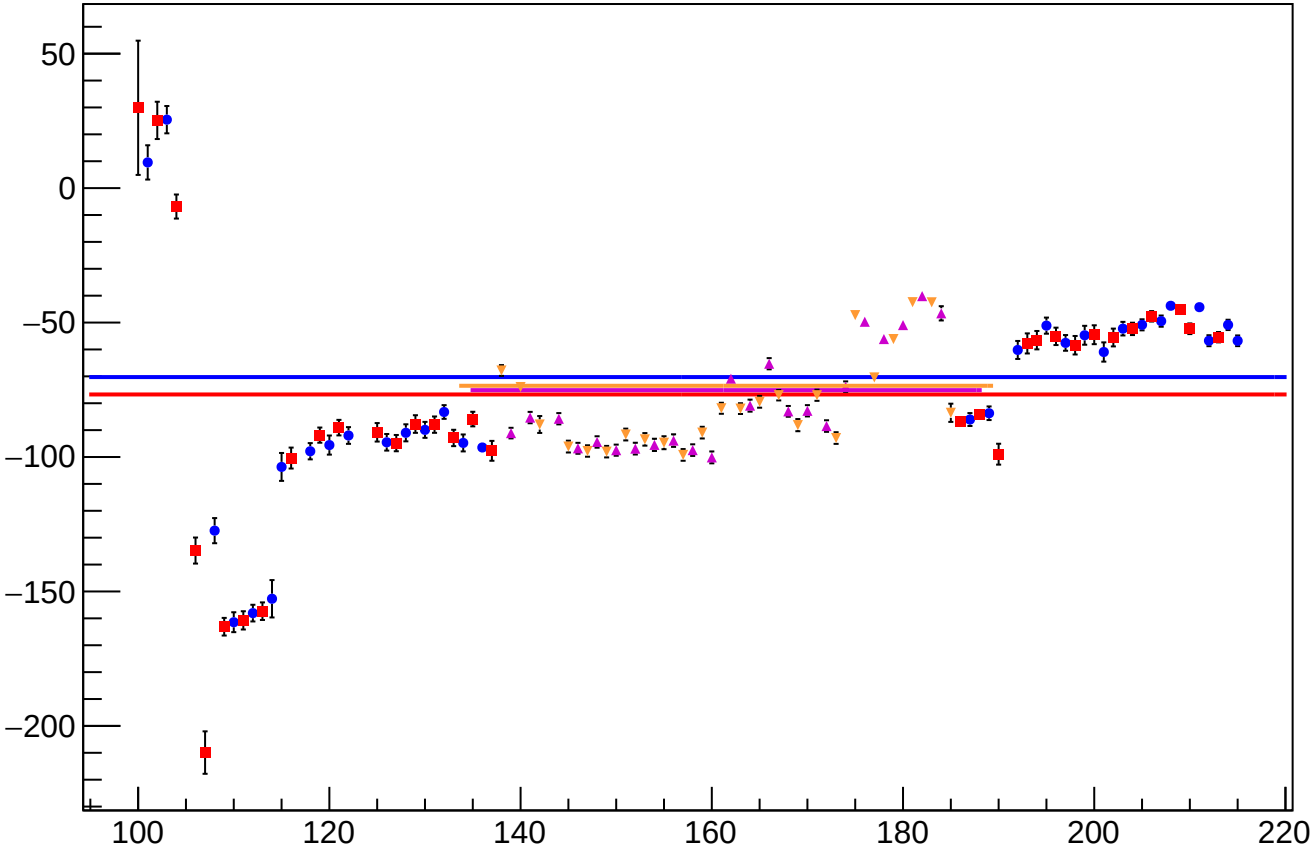
In: -33.728+/-0.307 χ^2/NDF:6104.2/53

Out: -31.669+/-0.309 χ^2/NDF:6629.8/55

All: -32.704+/-0.218 χ^2/NDF: 12756.4/109


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
−50
100
120
140
160
180
200
220
Right In: -0.723+/-0.572 χ²/NDF: 108.8/30
Left Out: 5.307+/-0.315 χ²/NDF:624.4/23
Right Out: -0.790+/-0.578 χ²/NDF: 99.0/31
Left In: 4.727+/-0.321 χ²/NDF:496.0/22
Left: 5.023+/-0.225 χ²/NDF: 1122.0/46
Right: -0.756+/-0.407 χ²/NDF: 207.8/62
In: 3.422+/-0.280 χ²/NDF:673.7/53
Out: 3.912+/-0.277 χ²/NDF:809.1/55
All: 3.670+/-0.197 χ²/NDF: 1484.4/109

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -70.272+/-0.480 χ^2/NDF: 3908.1/30

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -76.737+/-0.482 χ^2/NDF: 4347.8/31

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

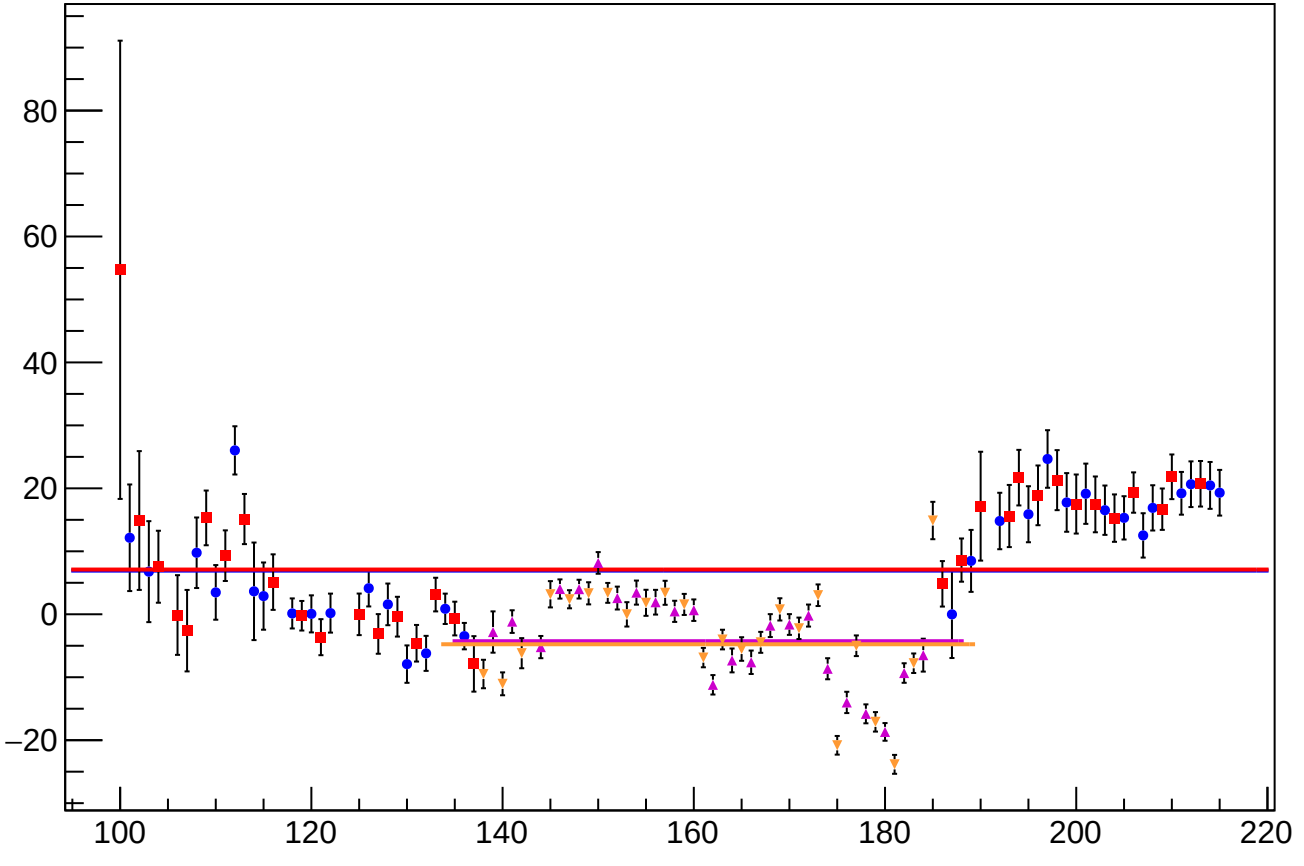
Right: -73.494+/-0.340 χ^2/NDF: 8346.2/62

In: -73.084+/-0.312 χ^2/NDF:6329.3/53

Out: -74.845+/-0.310 χ^2/NDF:6766.1/55

All: -73.969+/-0.220 χ^2/NDF: 13111.4/109

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.934+/-0.645 χ^2/NDF: 236.6/30

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 7.104+/-0.669 χ^2/NDF: 197.5/31

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

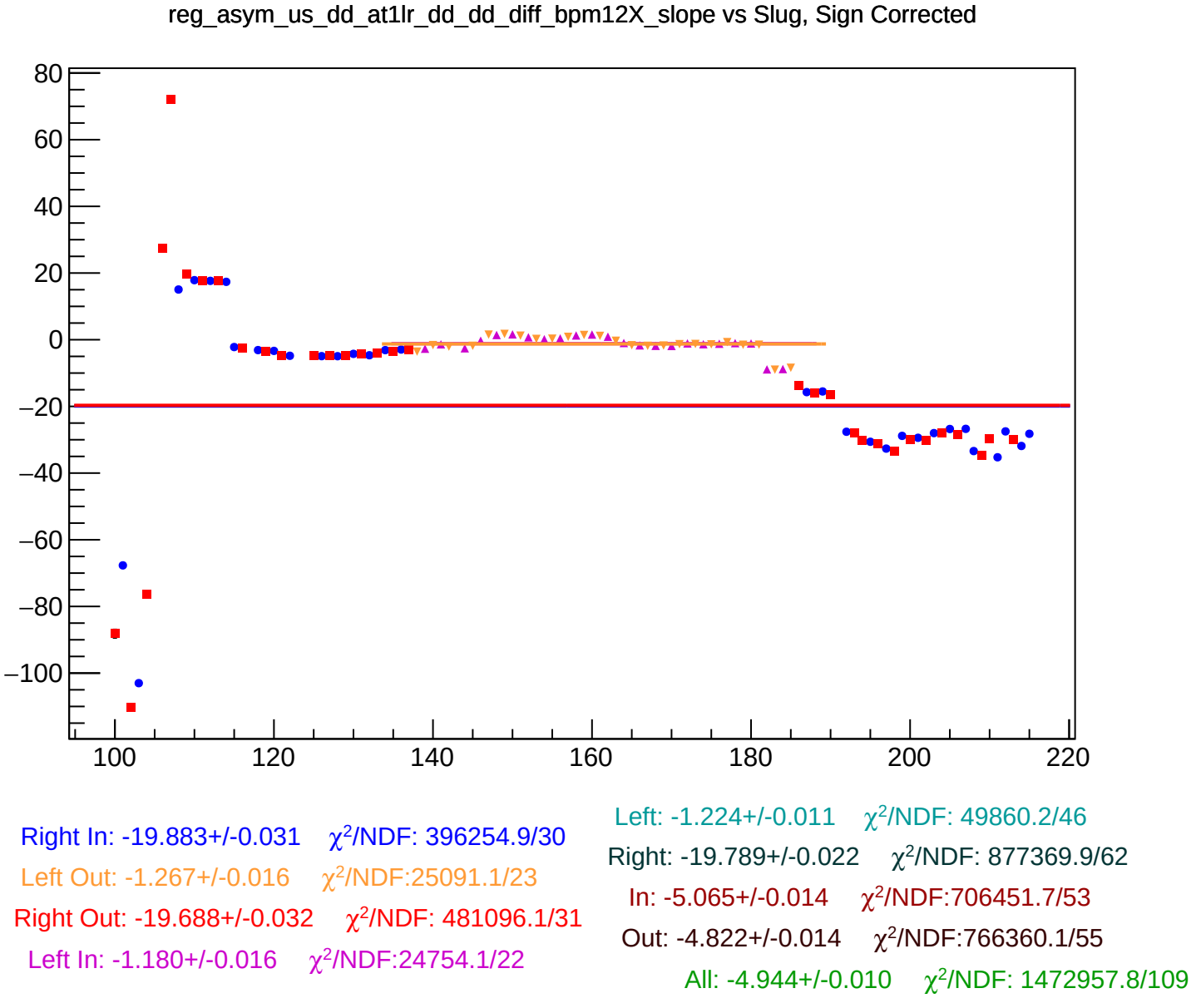
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

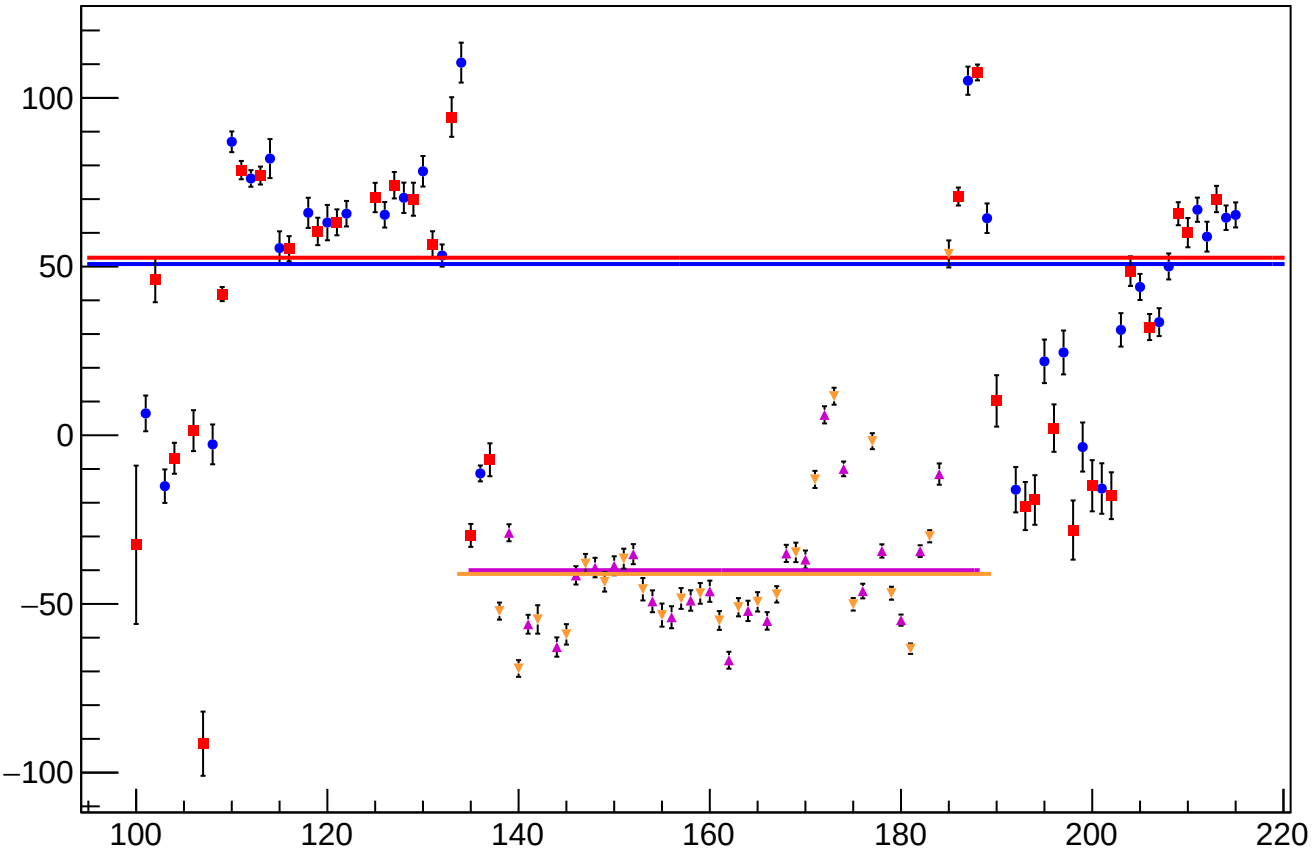
Right: 7.016+/-0.465 χ^2/NDF: 434.1/62

In: -1.607+/-0.315 χ^2/NDF:890.6/53

Out: -2.160+/-0.313 χ^2/NDF:1019.7/55

All: -1.885+/-0.222 χ^2/NDF: 1911.9/109


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
220
Right In: -19.883+/-0.031 χ²/NDF: 396254.9/30
Left Out: -1.267+/-0.016 χ²/NDF:25091.1/23
Right Out: -19.688+/-0.032 χ²/NDF: 481096.1/31
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.224+/-0.011 χ²/NDF: 49860.2/46
Right: -19.789+/-0.022 χ²/NDF: 877369.9/62
In: -5.065+/-0.014 χ²/NDF:706451.7/53
Out: -4.822+/-0.014 χ²/NDF:766360.1/55
All: -4.944+/-0.010 χ²/NDF: 1472957.8/109



Right In: 50.757+/-0.745 χ^2/NDF: 2042.1/30

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 52.631+/-0.713 χ^2/NDF: 2752.9/31

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

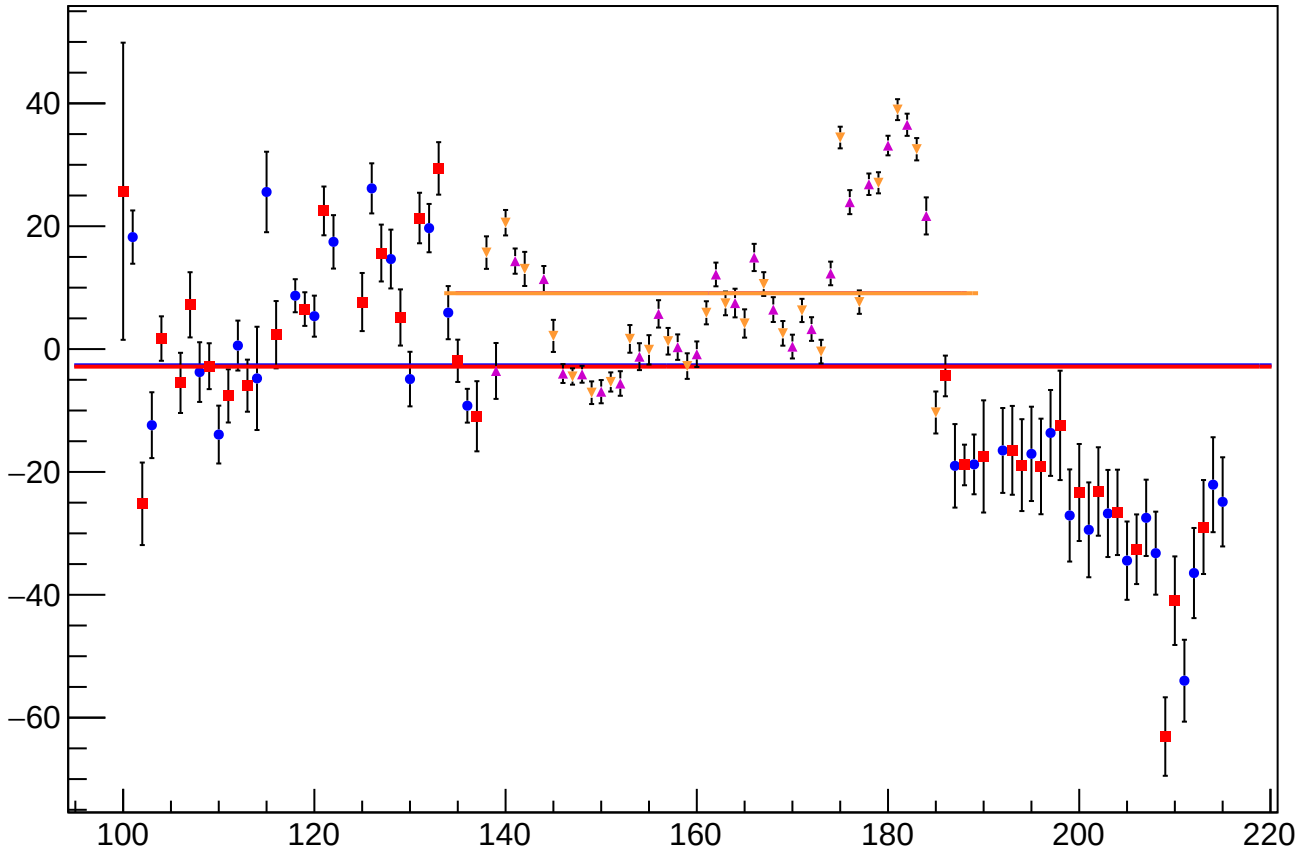
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 51.736+/-0.515 χ^2/NDF: 4798.3/62

In: -9.965+/-0.429 χ^2/NDF:12990.6/53

Out: -8.755+/-0.419 χ^2/NDF:16026.3/55

All: -9.346+/-0.300 χ^2/NDF: 29021.1/109



Right In: -2.641+/-0.882 χ^2/NDF: 420.1/30

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -2.857+/-0.856 χ^2/NDF: 412.9/31

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

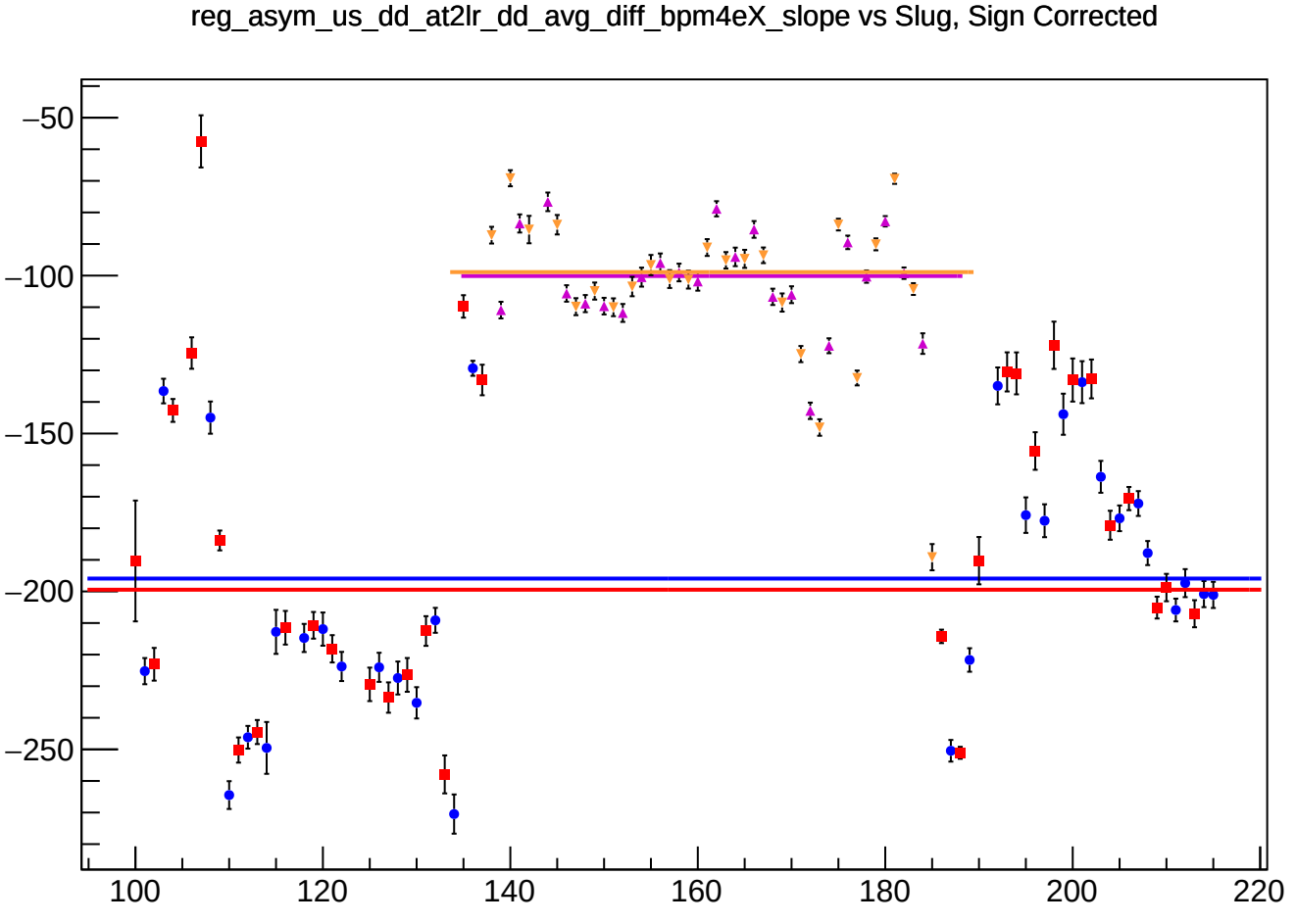
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: -2.752+/-0.614 χ^2/NDF: 833.0/62

In: 7.041+/-0.371 χ^2/NDF:1618.2/53

Out: 6.940+/-0.363 χ^2/NDF:1826.4/55

All: 6.990+/-0.260 χ^2/NDF: 3444.7/109



Right In: -195.922+/-0.783 χ^2/NDF: 2709.8/30

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -199.452+/-0.739 χ^2/NDF: 3663.8/31

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

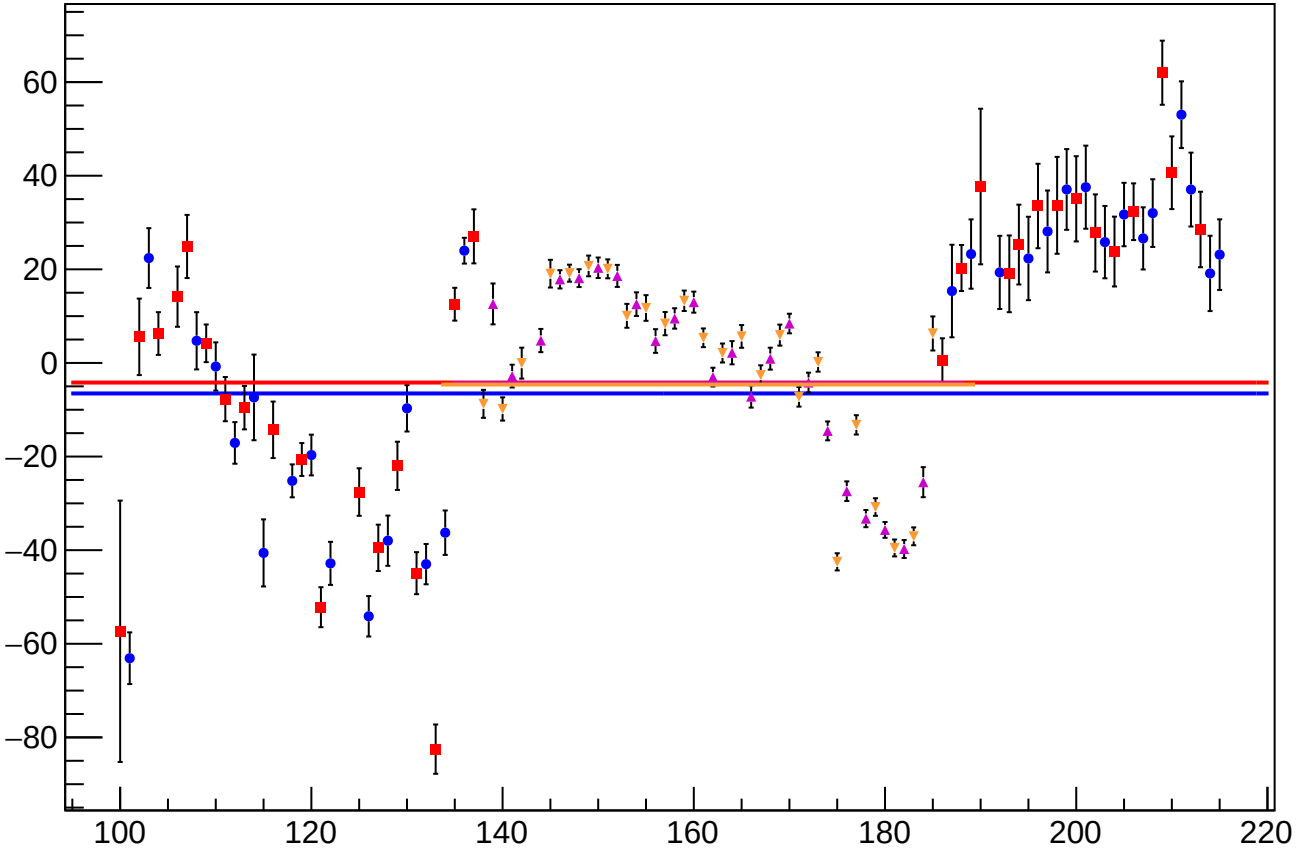
Right: -197.788+/-0.538 χ^2/NDF: 6384.4/62

In: -129.455+/-0.433 χ^2/NDF:13919.8/53

Out: -131.656+/-0.422 χ^2/NDF:17956.8/55

All: -130.584+/-0.302 χ^2/NDF: 31889.9/109

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.519+/-1.005 χ^2/NDF: 984.8/30

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -4.188+/-0.998 χ^2/NDF: 943.4/31

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

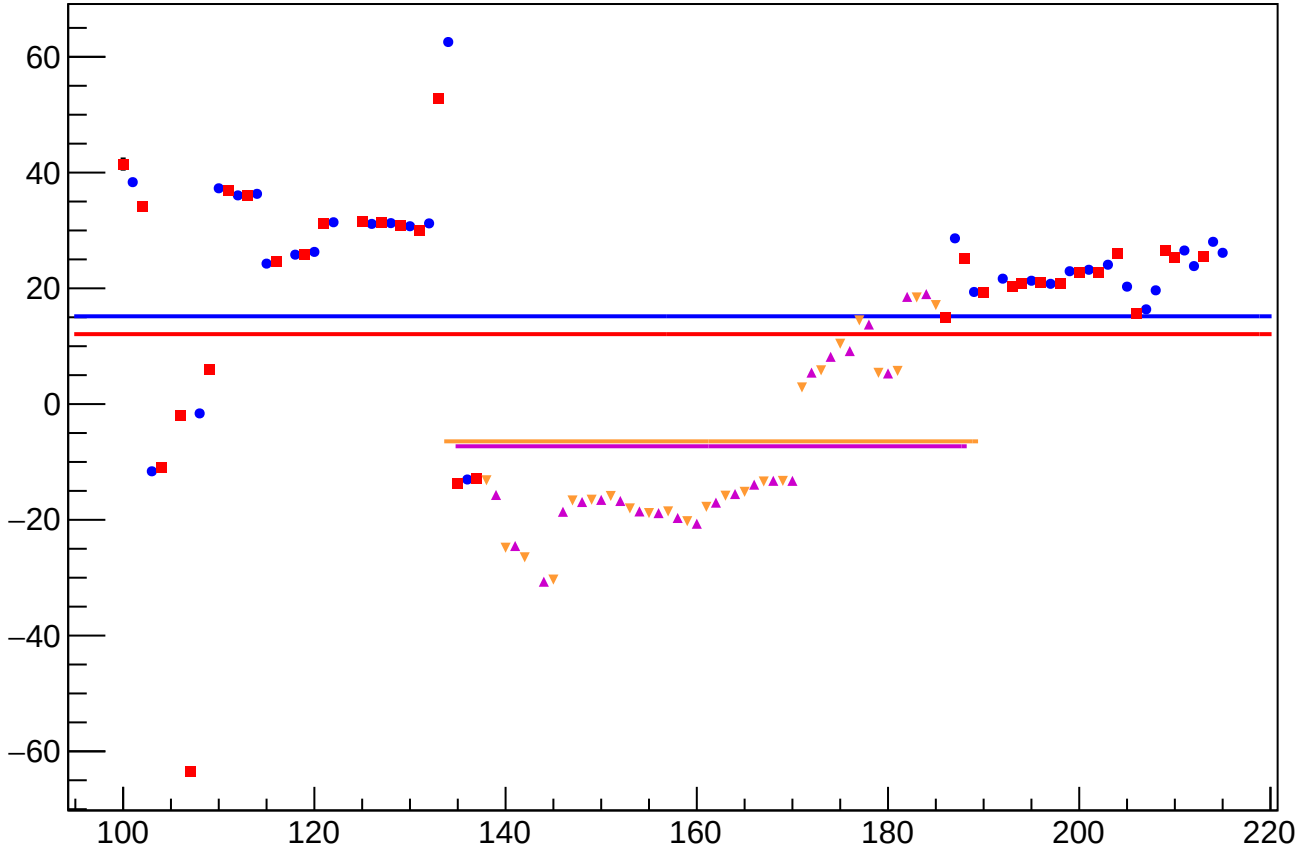
Right: -5.345+/-0.708 χ^2/NDF: 1930.9/62

In: -4.706+/-0.417 χ^2/NDF:2842.9/53

Out: -4.545+/-0.411 χ^2/NDF:3021.9/55

All: -4.624+/-0.293 χ^2/NDF: 5864.9/109

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 15.169+/-0.049 χ^2/NDF: 179091.2/30

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 12.085+/-0.049 χ^2/NDF: 182701.2/31

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

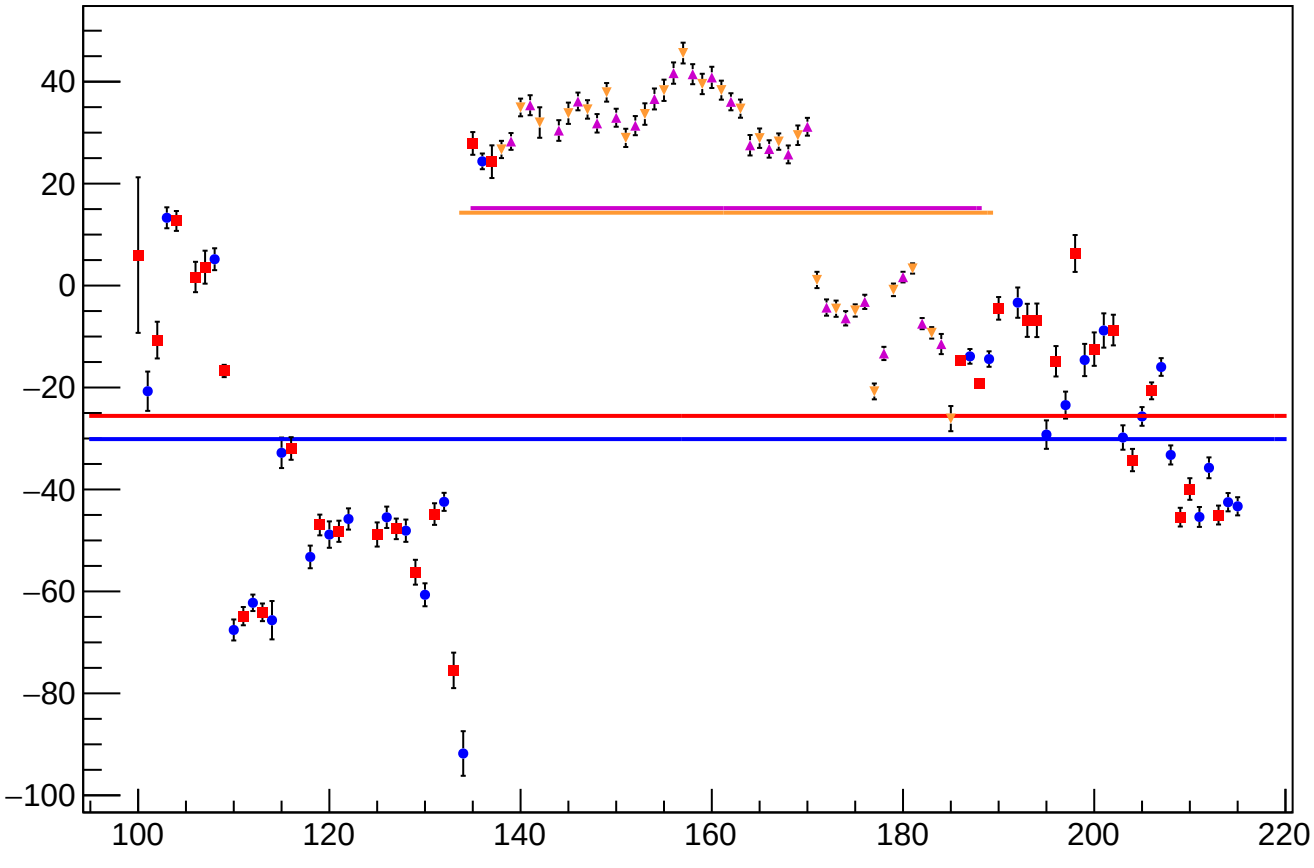
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 13.632+/-0.035 χ^2/NDF: 363770.3/62

In: -3.997+/-0.019 χ^2/NDF:846944.3/53

Out: -3.761+/-0.019 χ^2/NDF:800990.7/55

All: -3.878+/-0.013 χ^2/NDF: 1648014.6/109



Right In: -30.120+/-0.377 χ^2/NDF: 4190.5/30

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -25.567+/-0.344 χ^2/NDF: 4101.6/31

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

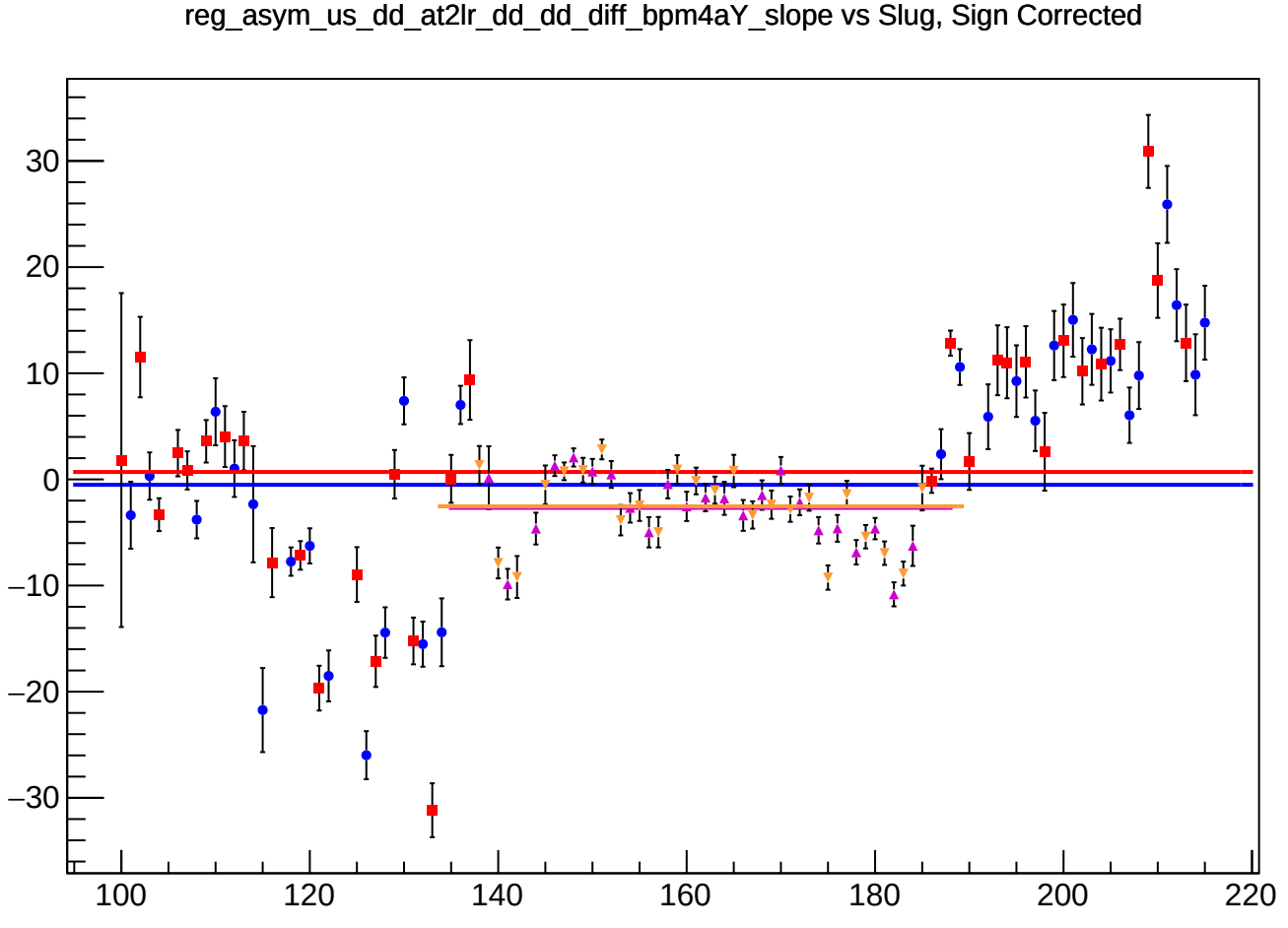
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -27.634+/-0.254 χ^2/NDF: 8371.8/62

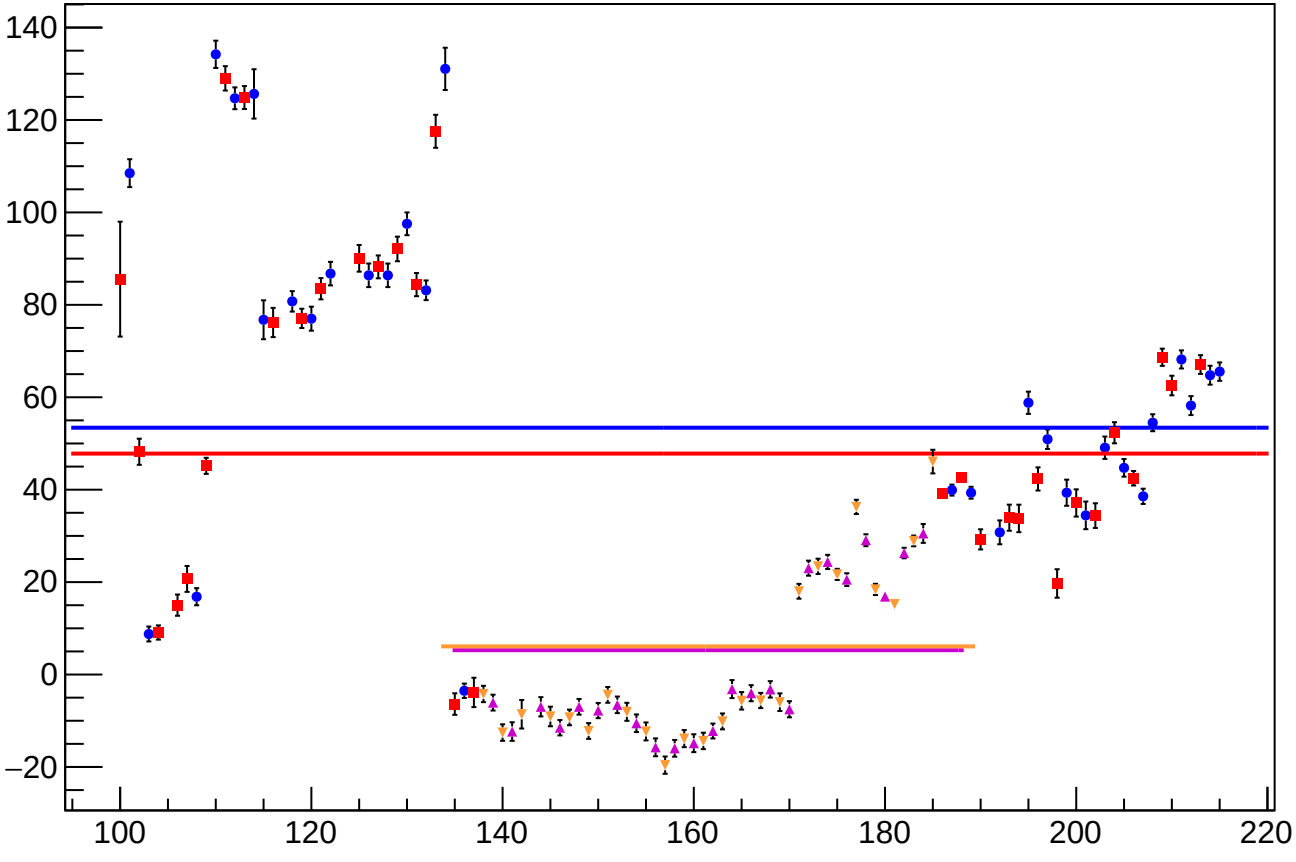
In: -5.093+/-0.252 χ^2/NDF:15576.9/53

Out: -5.138+/-0.240 χ^2/NDF:14722.3/55

All: -5.117+/-0.174 χ^2/NDF: 30299.2/109


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
220
Right In: -0.510+/-0.445 χ²/NDF: 645.7/30
Left Out: -2.538+/-0.259 χ²/NDF:198.4/23
Right Out: 0.698+/-0.402 χ²/NDF: 743.6/31
Left In: -2.681+/-0.265 χ²/NDF:182.0/22
Left: -2.608+/-0.185 χ²/NDF: 380.6/46
Right: 0.154+/-0.298 χ²/NDF: 1393.4/62
In: -2.113+/-0.228 χ²/NDF:845.3/53
Out: -1.590+/-0.218 χ²/NDF:987.7/55
All: -1.840+/-0.157 χ²/NDF: 1835.8/109

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 53.413+/-0.377 χ^2/NDF: 6880.5/30

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 47.812+/-0.329 χ^2/NDF: 6246.3/31

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

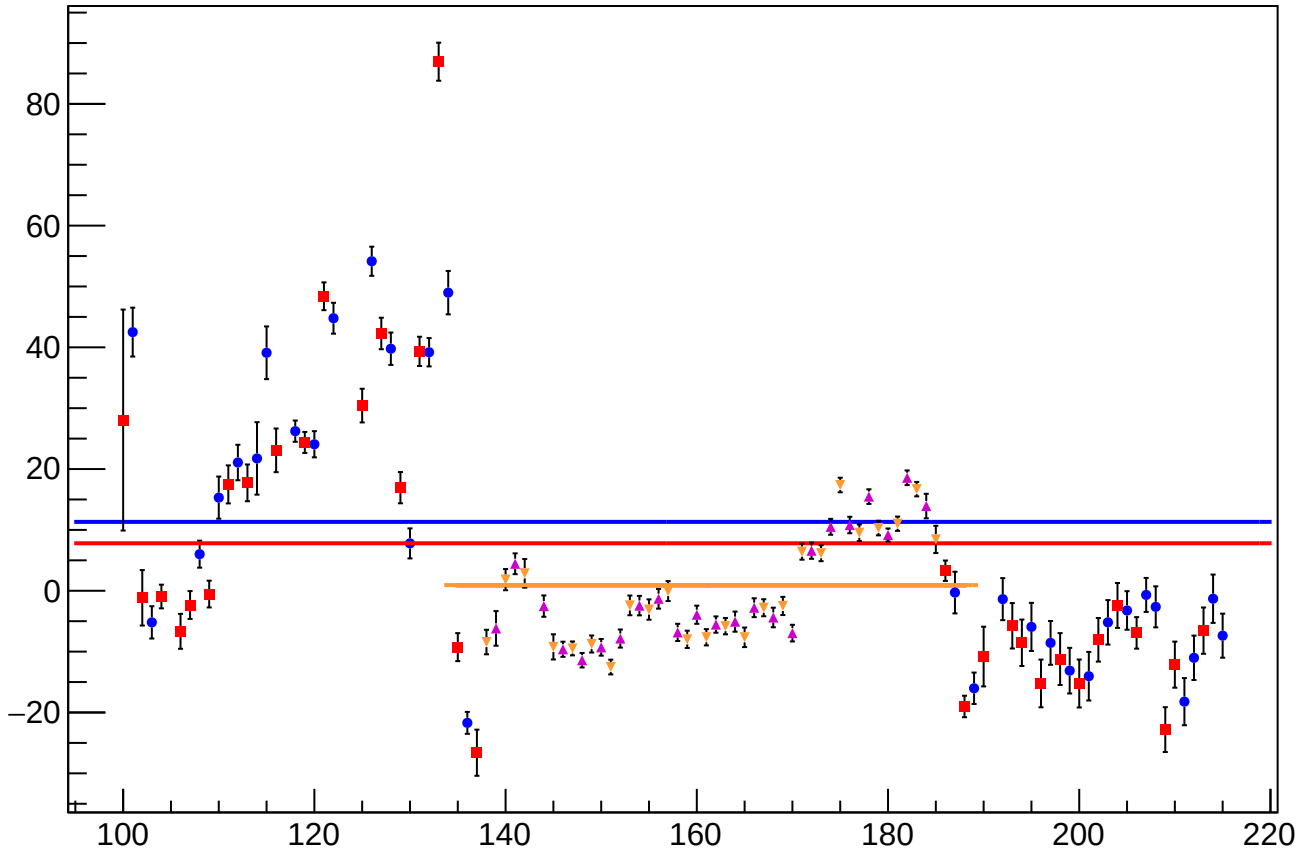
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 50.234+/-0.248 χ^2/NDF: 13252.1/62

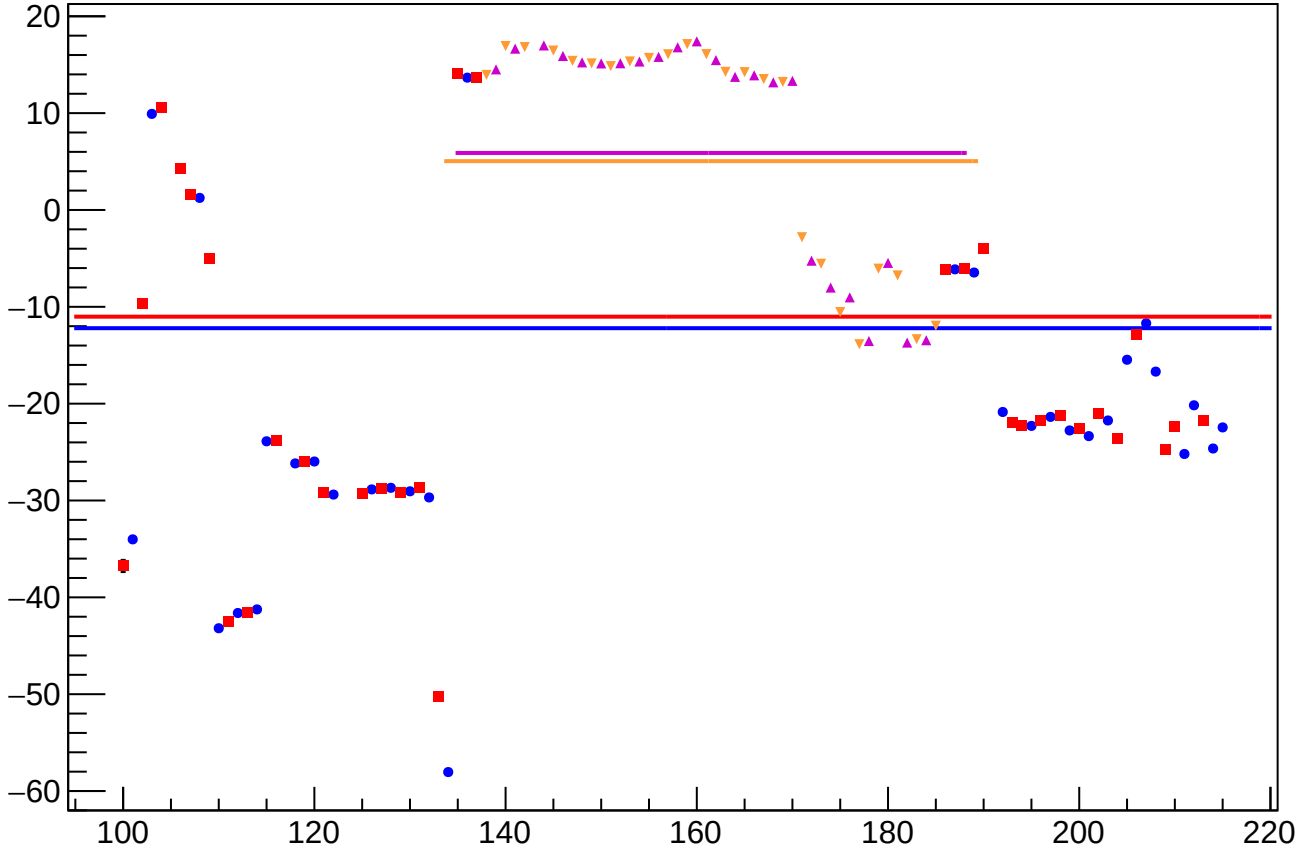
In: 26.621+/-0.251 χ^2/NDF:18408.3/53

Out: 27.194+/-0.234 χ^2/NDF:16964.3/55

All: 26.928+/-0.171 χ^2/NDF: 35375.4/109


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
120
140
160
180
200
220
Right In: 11.319+/-0.519 χ²/NDF: 1950.1/30
Left Out: 0.929+/-0.292 χ²/NDF:1041.7/23
Right Out: 7.803+/-0.489 χ²/NDF: 2282.0/31
Left In: 0.878+/-0.297 χ²/NDF:1006.0/22
Left: 0.904+/-0.208 χ²/NDF: 2047.7/46
Right: 9.457+/-0.356 χ²/NDF: 4256.4/62
In: 3.454+/-0.258 χ²/NDF:3260.5/53
Out: 2.731+/-0.251 χ²/NDF:3469.2/55
All: 3.082+/-0.180 χ²/NDF: 6733.7/109

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -12.207+/-0.024 χ^2/NDF: 504053.1/30

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -11.017+/-0.024 χ^2/NDF: 422090.4/31

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

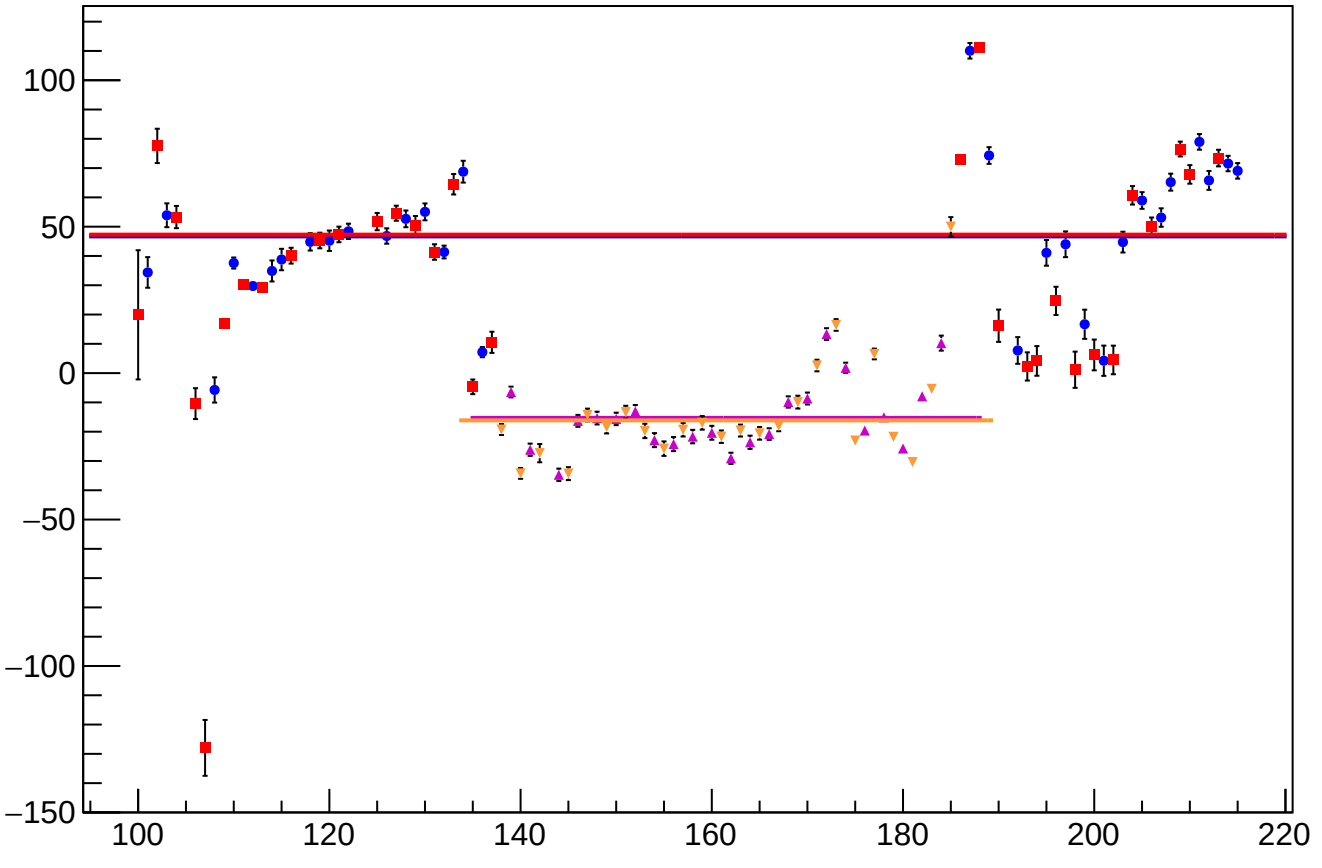
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.603+/-0.017 χ^2/NDF: 927402.3/62

In: 1.687+/-0.012 χ^2/NDF:1790015.6/53

Out: 1.257+/-0.011 χ^2/NDF:1633972.5/55

All: 1.470+/-0.008 χ^2/NDF: 3424690.3/109



Right In: 46.683+/-0.516 χ^2/NDF: 2124.9/30

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 47.275+/-0.491 χ^2/NDF: 4380.9/31

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

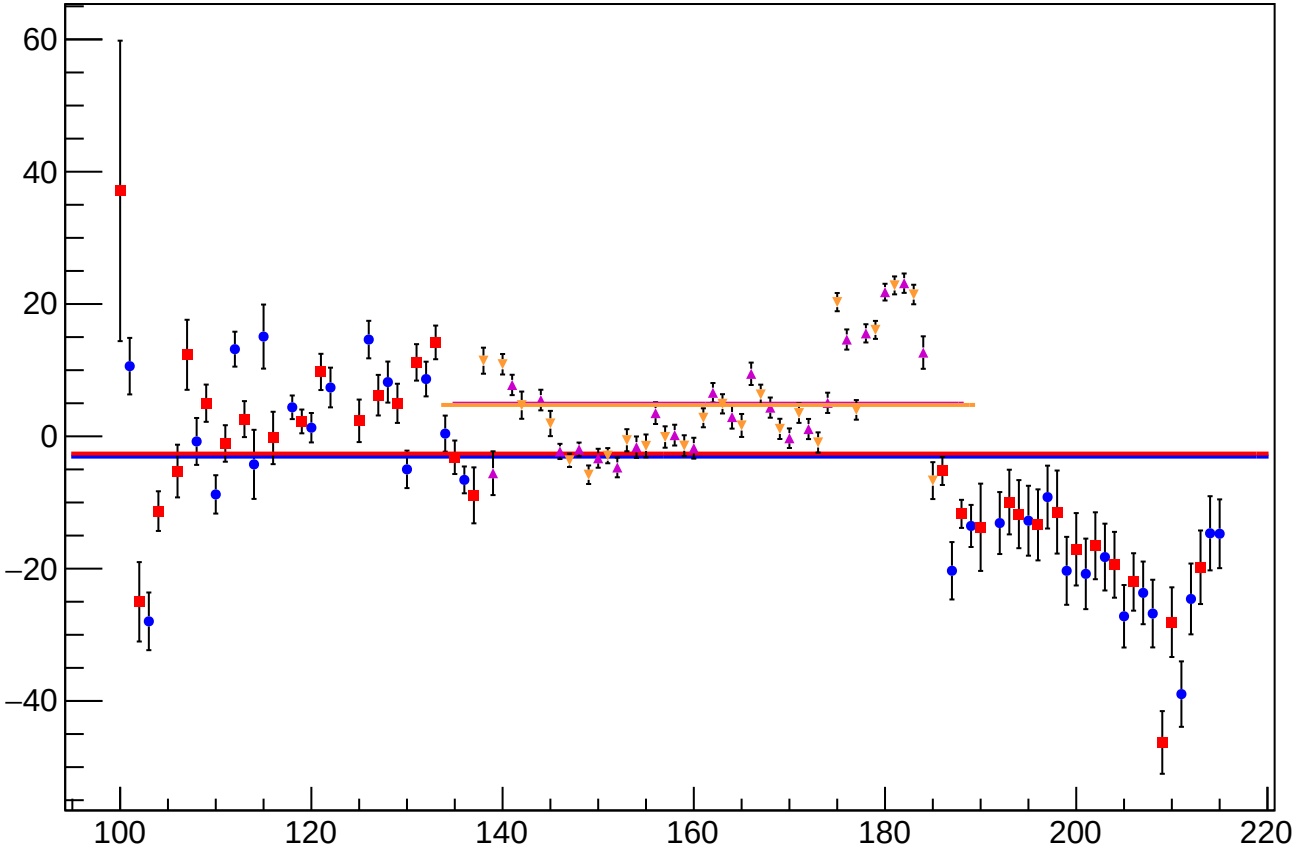
Right: 46.994+/-0.356 χ^2/NDF: 6506.5/62

In: 8.212+/-0.318 χ^2/NDF:11847.0/53

Out: 9.008+/-0.309 χ^2/NDF:15814.2/55

All: 8.621+/-0.222 χ^2/NDF: 27664.4/109

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.064+/-0.609 χ^2/NDF: 422.1/30

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -2.606+/-0.593 χ^2/NDF: 359.4/31

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

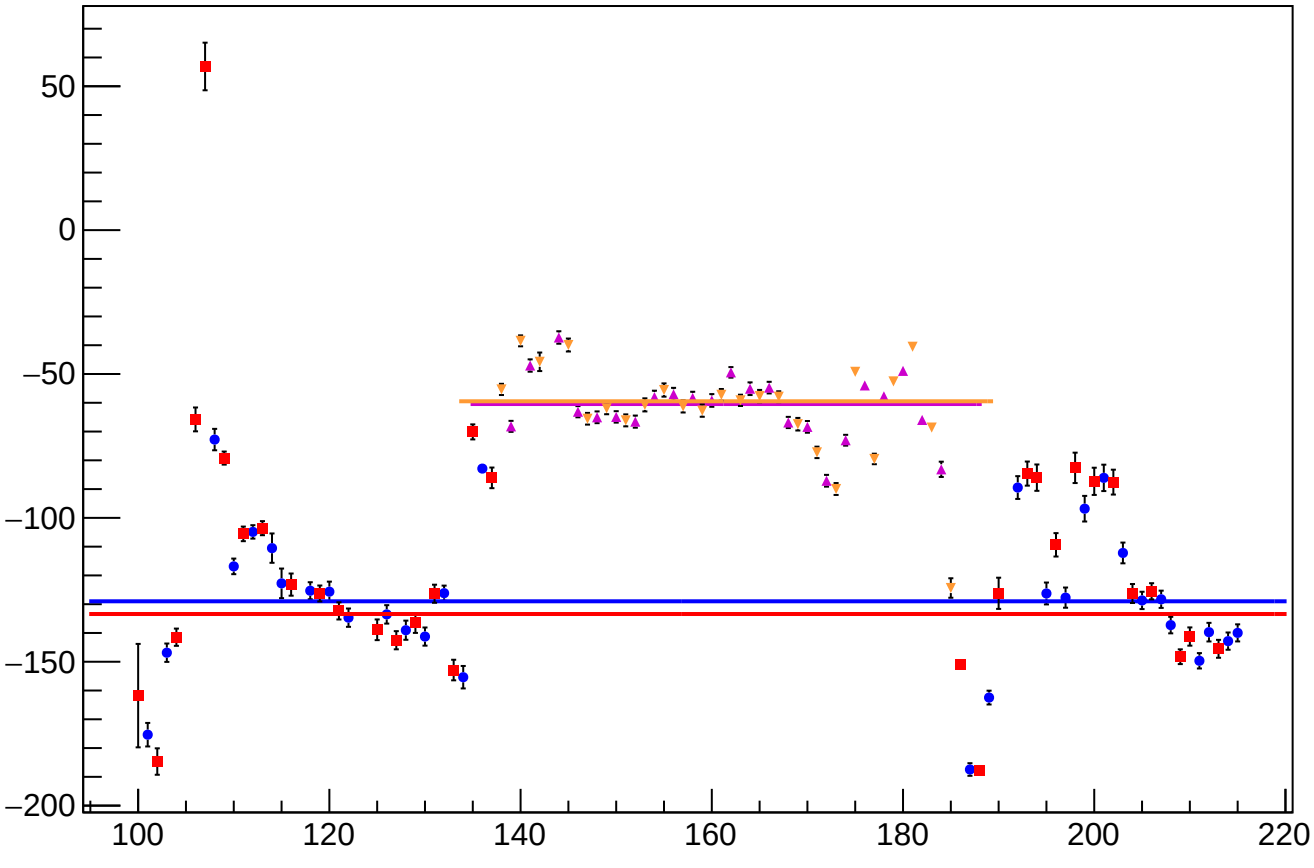
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -2.829+/-0.425 χ^2/NDF: 781.9/62

In: 3.264+/-0.278 χ^2/NDF:1246.9/53

Out: 3.196+/-0.272 χ^2/NDF:1274.4/55

All: 3.229+/-0.195 χ^2/NDF: 2521.3/109



Right In: -128.992+/-0.549 χ^2/NDF: 2584.7/30

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -133.411+/-0.510 χ^2/NDF: 5385.2/31

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

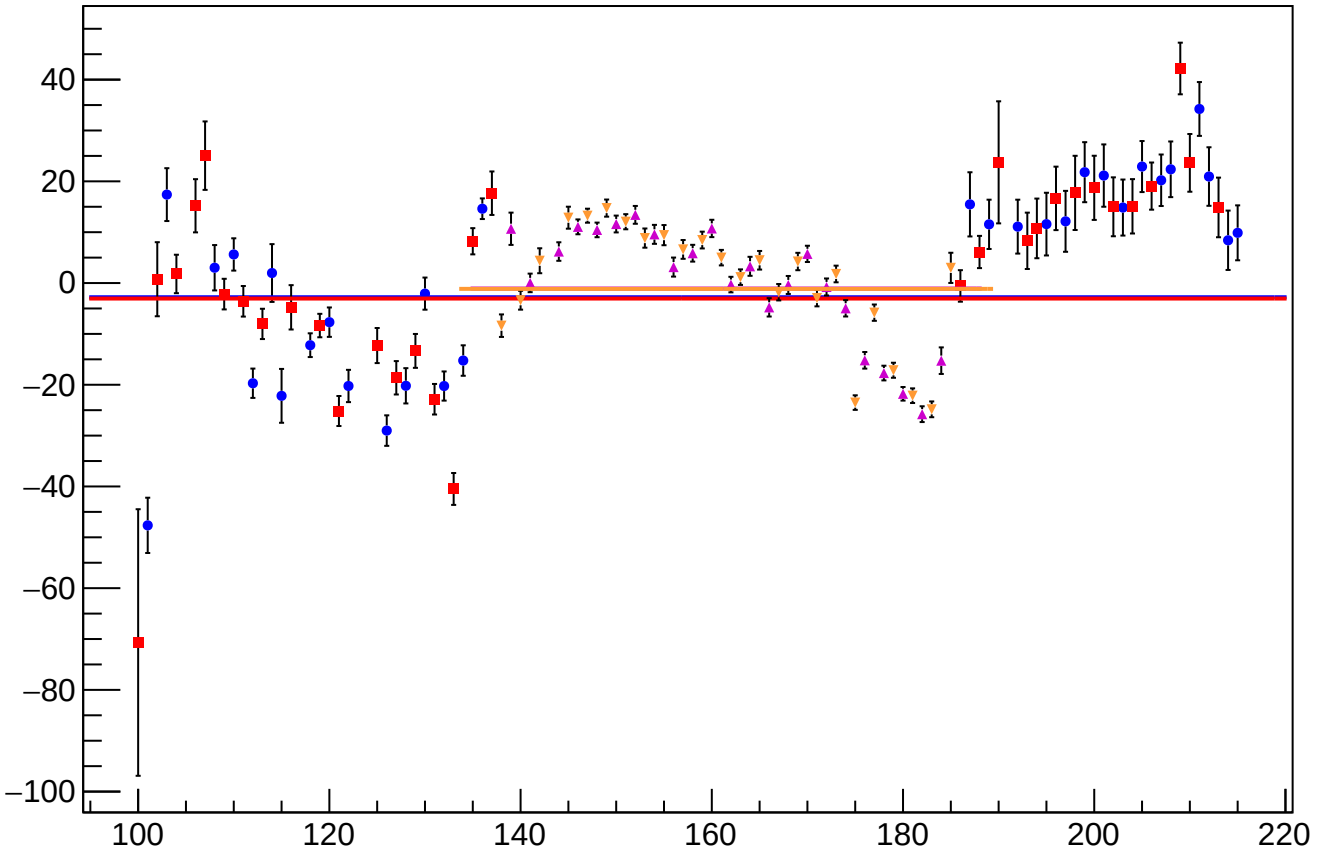
Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

Right: -131.361+/-0.374 χ^2/NDF: 8004.7/62

In: -84.180+/-0.323 χ^2/NDF:13452.2/53

Out: -87.166+/-0.312 χ^2/NDF:19881.2/55

All: -85.723+/-0.225 χ^2/NDF: 33377.6/109



Right In: -2.792+/-0.696 χ^2/NDF: 640.9/30

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -3.048+/-0.694 χ^2/NDF: 579.0/31

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

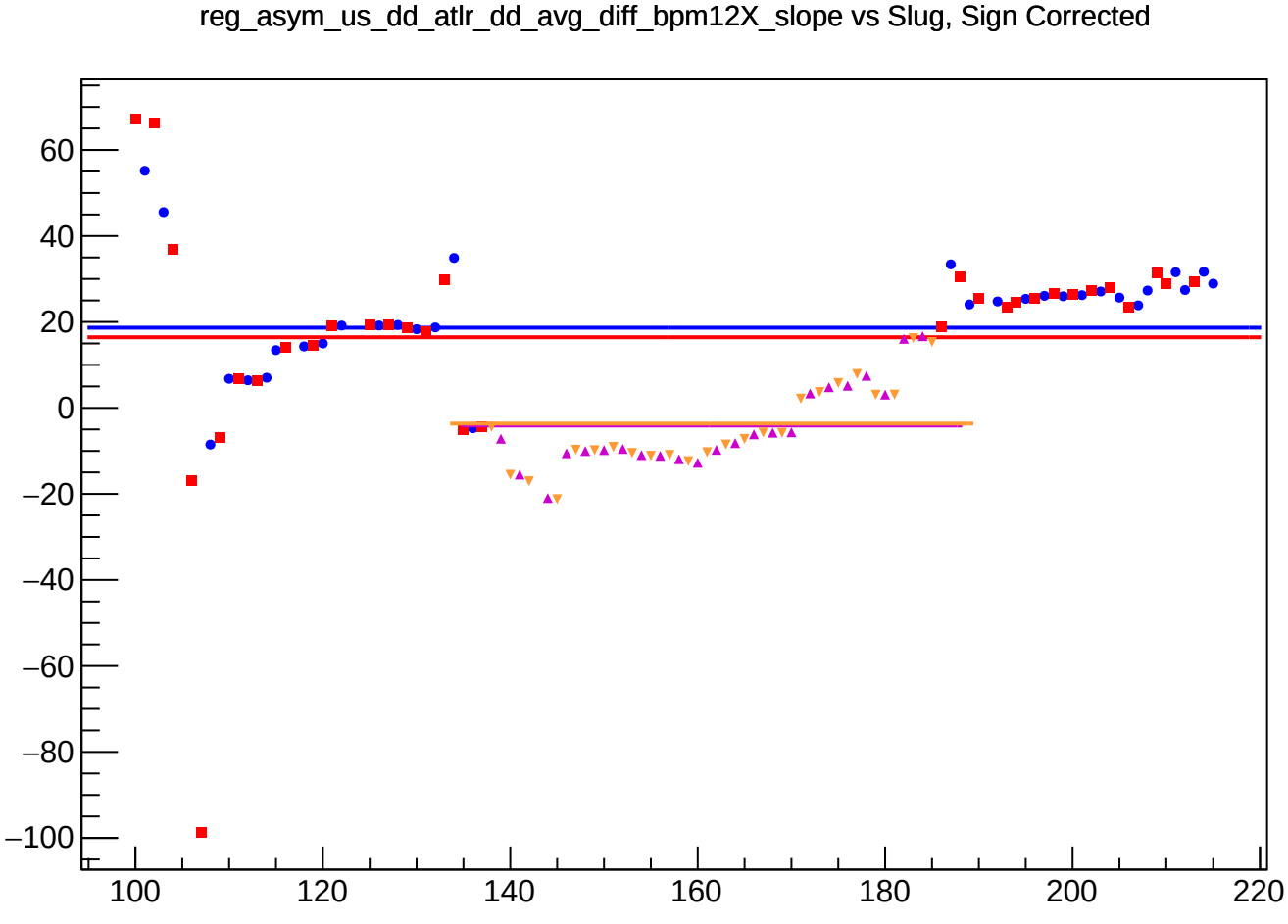
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -2.920+/-0.491 χ^2/NDF: 1220.0/62

In: -1.430+/-0.314 χ^2/NDF:1803.1/53

Out: -1.522+/-0.309 χ^2/NDF:1888.0/55

All: -1.477+/-0.220 χ^2/NDF: 3691.1/109



Right In: 18.658+/-0.035 χ^2/NDF: 218811.4/30

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 16.434+/-0.036 χ^2/NDF: 351935.9/31

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

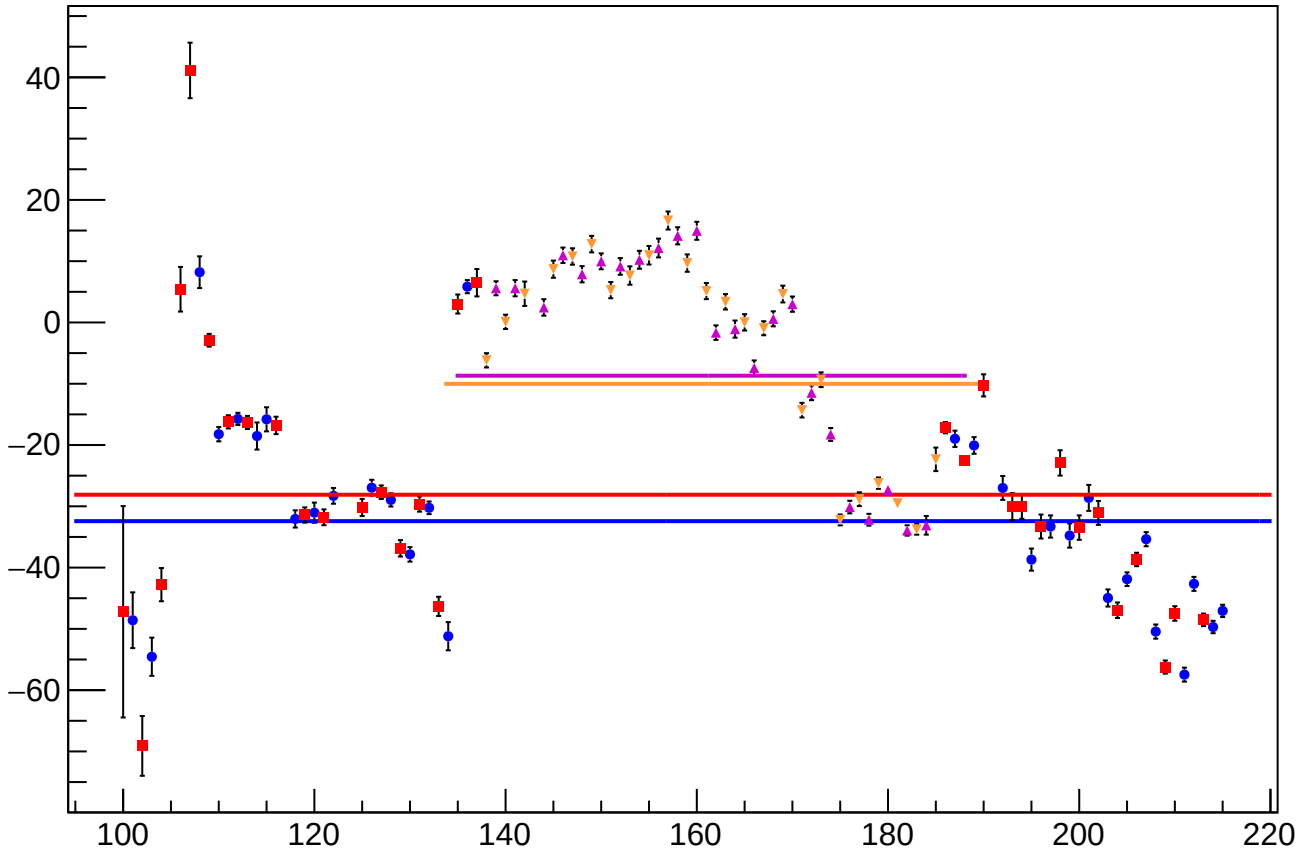
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.566+/-0.025 χ^2/NDF: 572726.3/62

In: -0.354+/-0.014 χ^2/NDF:904536.1/53

Out: -0.467+/-0.014 χ^2/NDF:964520.1/55

All: -0.411+/-0.010 χ^2/NDF: 1869087.5/109



Right In: -32.422+/-0.243 χ^2/NDF: 3925.8/30

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -28.111+/-0.243 χ^2/NDF: 4138.9/31

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

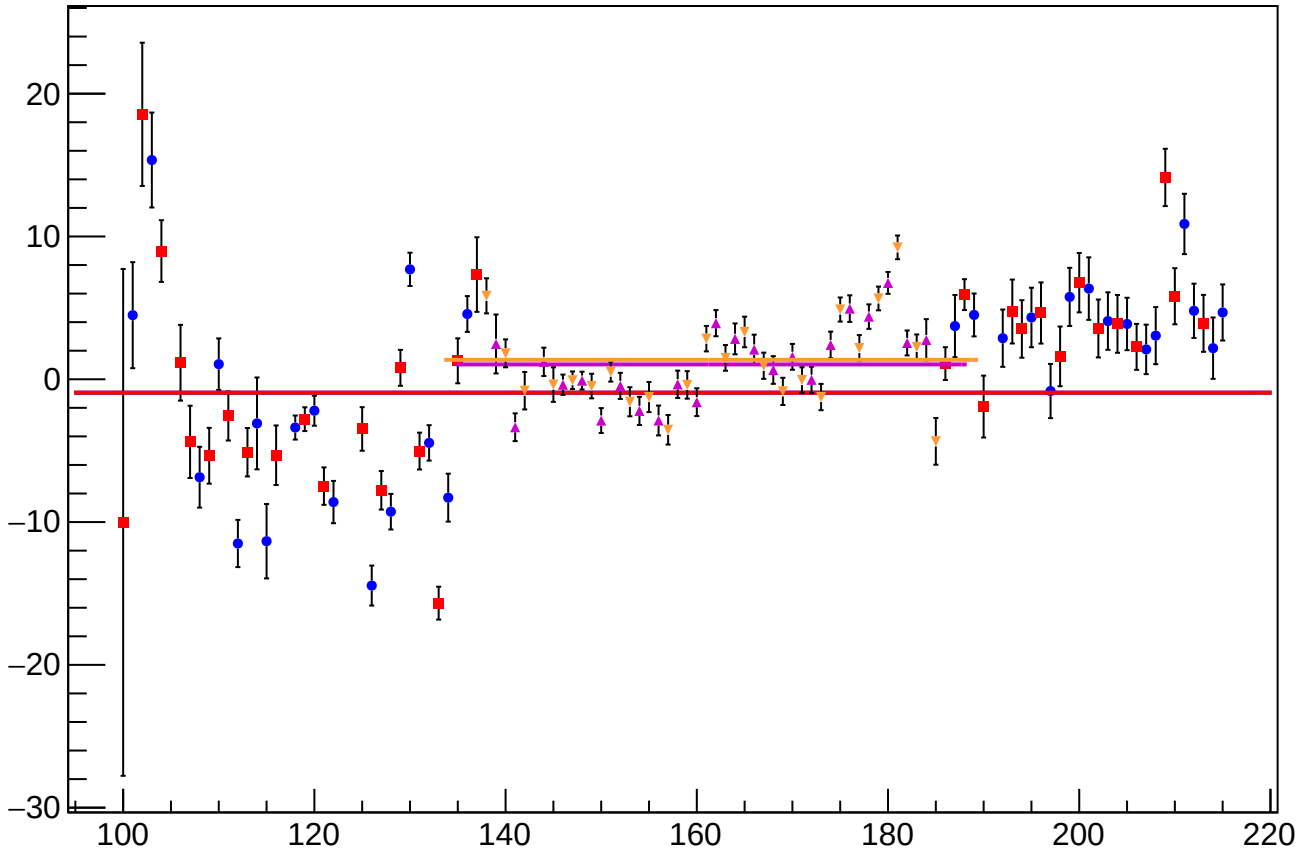
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -30.267+/-0.172 χ^2/NDF: 8221.9/62

In: -20.776+/-0.173 χ^2/NDF:13624.2/53

Out: -19.104+/-0.172 χ^2/NDF:11872.7/55

All: -19.935+/-0.122 χ^2/NDF: 25543.6/109



Right In: -0.940+/-0.294 χ^2/NDF: 488.8/30

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -0.938+/-0.290 χ^2/NDF: 467.5/31

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

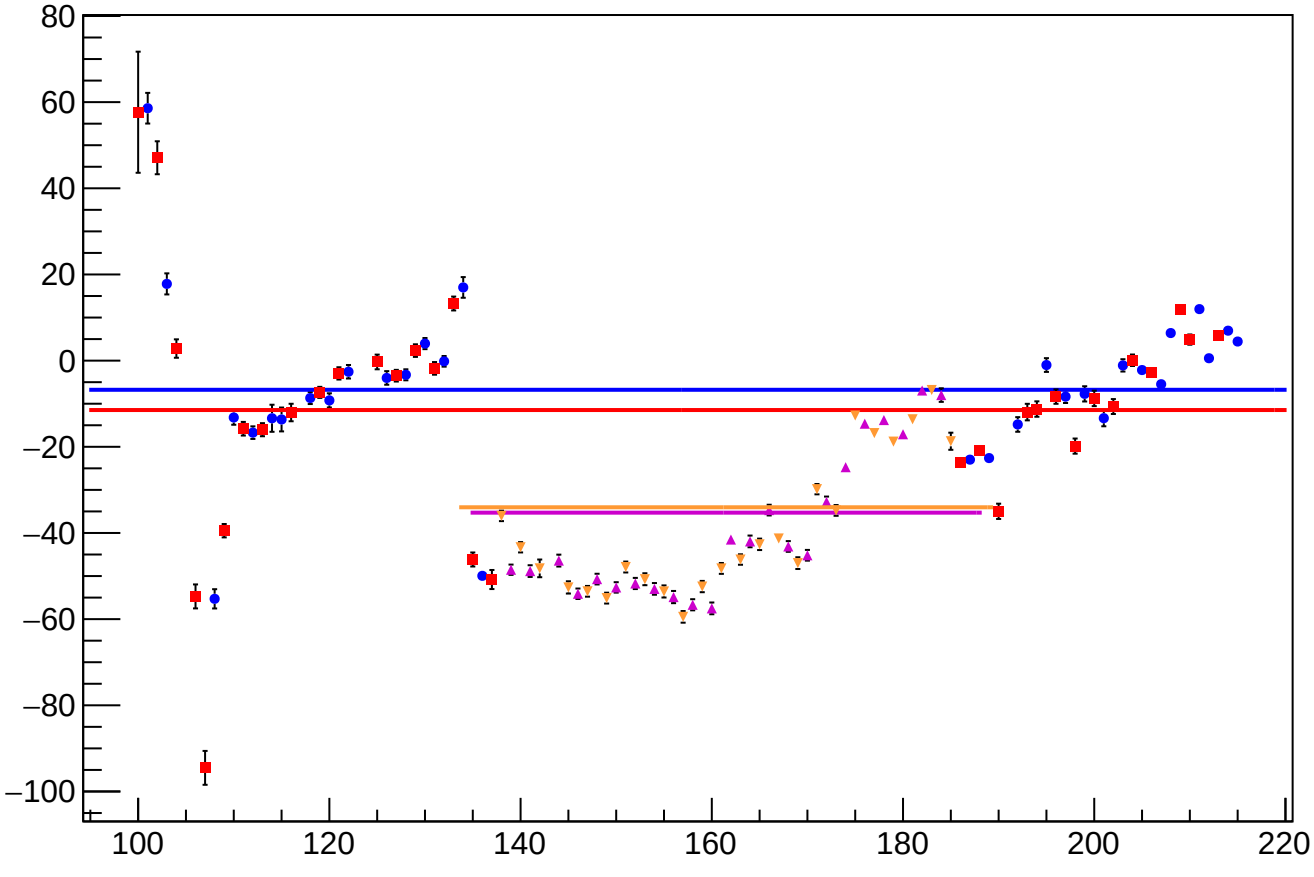
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -0.939+/-0.207 χ^2/NDF: 956.2/62

In: 0.447+/-0.161 χ^2/NDF:716.6/53

Out: 0.680+/-0.158 χ^2/NDF:751.9/55

All: 0.566+/-0.113 χ^2/NDF: 1469.6/109



Right In: -6.767+/-0.255 χ^2/NDF: 3959.2/30

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -11.466+/-0.247 χ^2/NDF: 4334.8/31

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

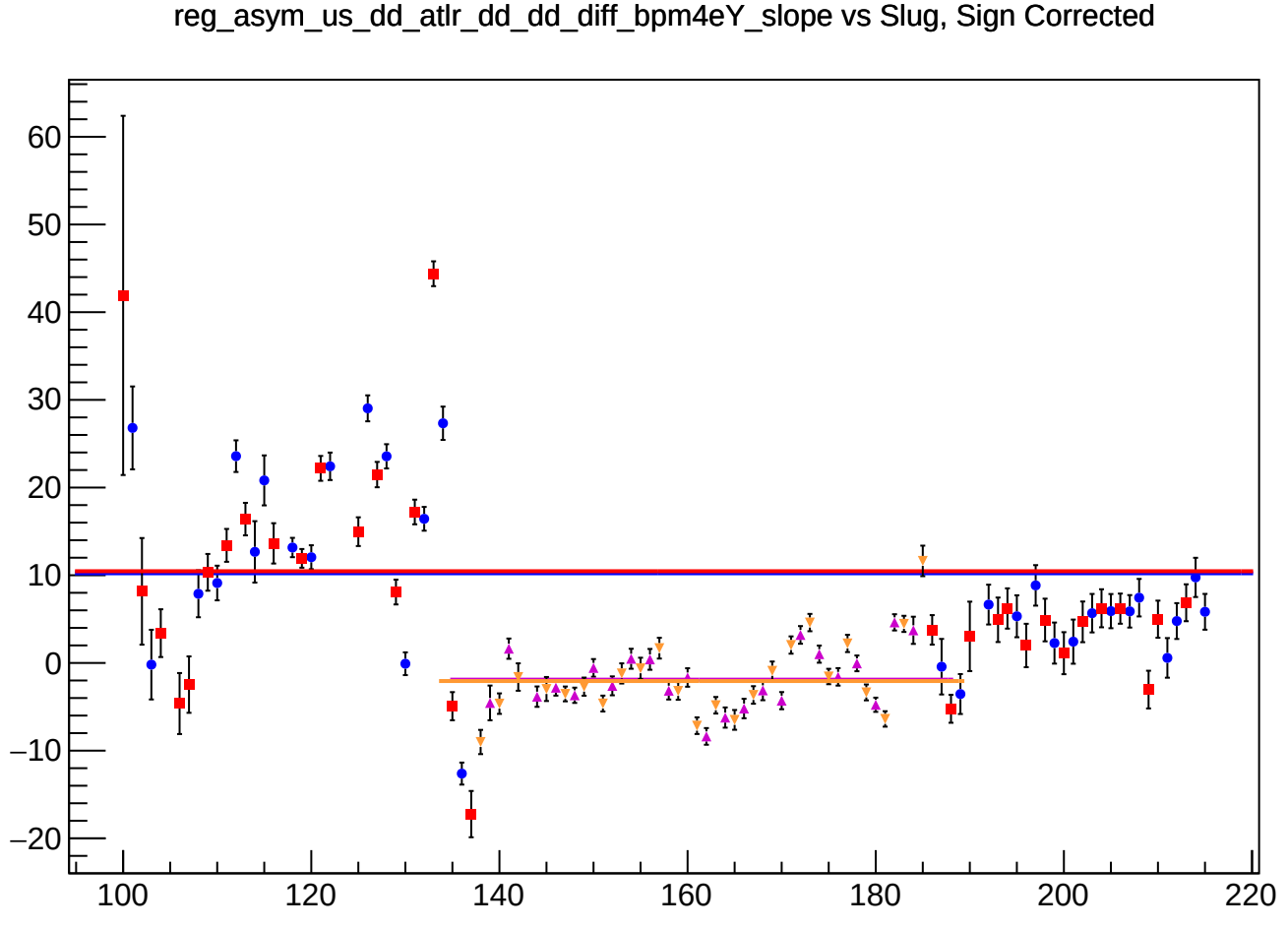
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

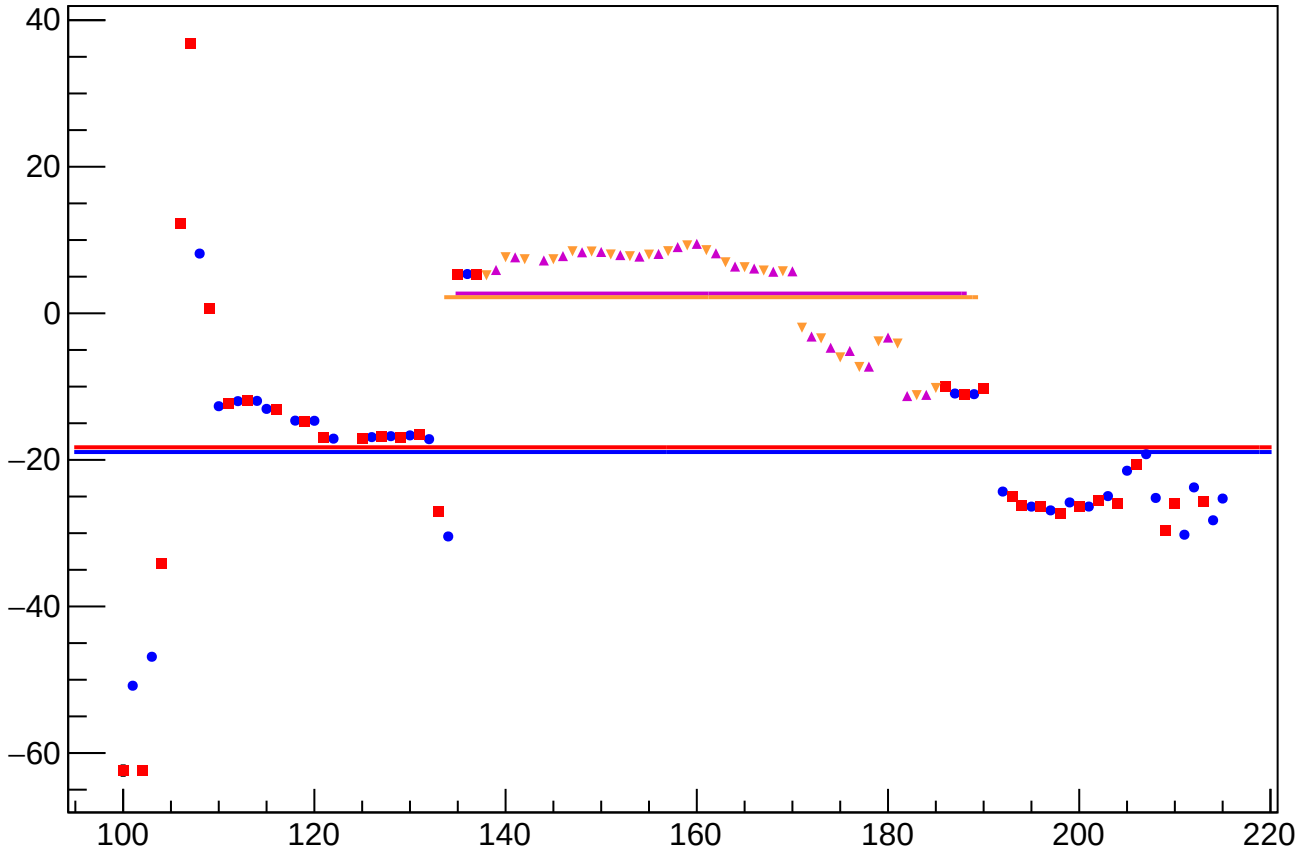
Right: -9.191+/-0.178 χ^2/NDF: 8468.8/62

In: -21.588+/-0.177 χ^2/NDF:15442.2/53

Out: -22.972+/-0.173 χ^2/NDF:13545.3/55

All: -22.295+/-0.124 χ^2/NDF: 29018.8/109


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: 10.226+/-0.336 χ²/NDF: 1032.8/30
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 10.460+/-0.340 χ²/NDF: 1218.9/31
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
Left: -1.985+/-0.151 χ²/NDF: 554.7/46
Right: 10.342+/-0.239 χ²/NDF: 2252.0/62
In: 1.647+/-0.182 χ²/NDF:2177.0/53
Out: 1.453+/-0.180 χ²/NDF:2528.6/55
All: 1.549+/-0.128 χ²/NDF: 4706.1/109



Right In: -18.929+/-0.017 χ^2/NDF: 531387.2/30

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.279+/-0.017 χ^2/NDF: 609524.3/31

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

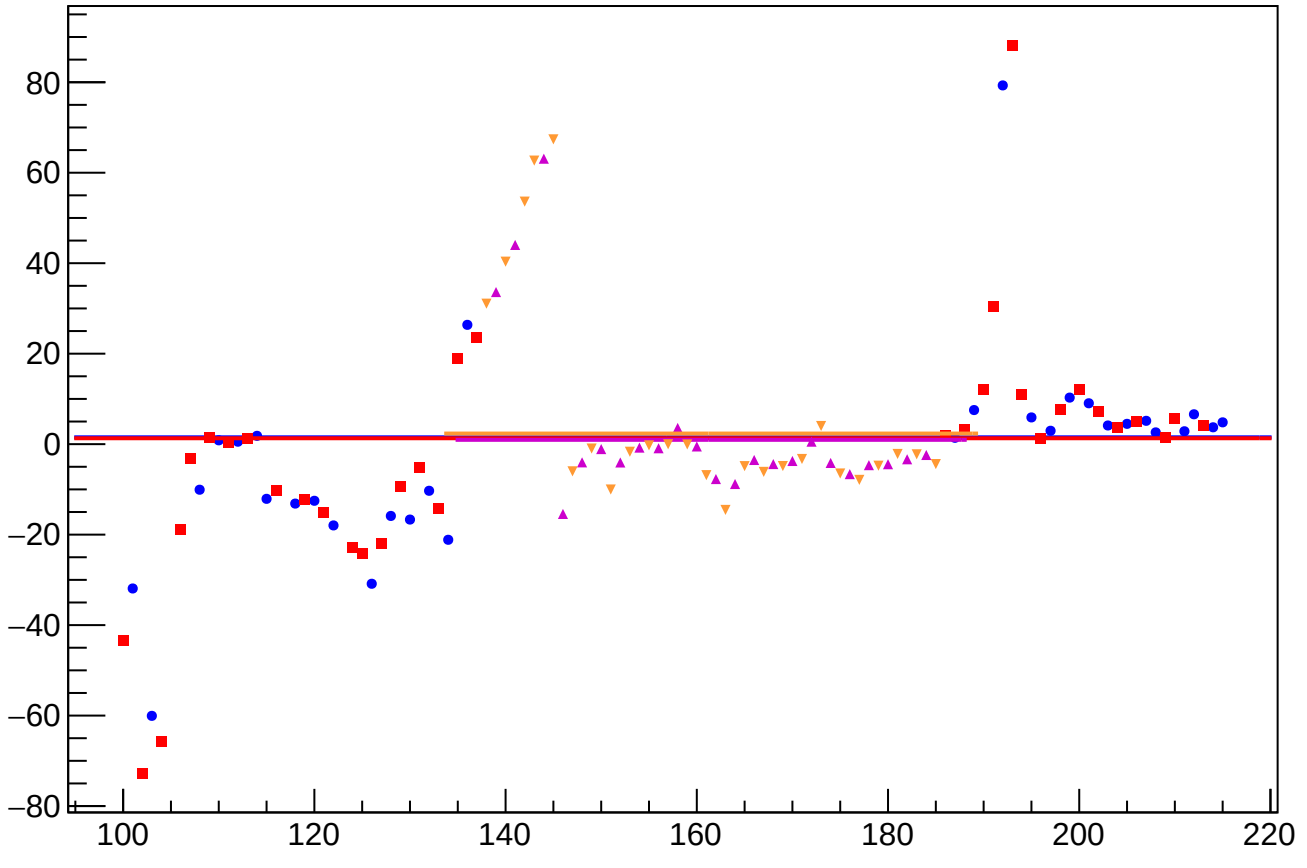
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.609+/-0.012 χ^2/NDF: 1141649.4/62

In: -2.588+/-0.008 χ^2/NDF:2281814.2/53

Out: -2.656+/-0.008 χ^2/NDF:2220488.9/55

All: -2.622+/-0.006 χ^2/NDF: 4502336.8/109



Right In: 1.509+/-0.035 χ^2/NDF: 121484.0/30

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 1.304+/-0.033 χ^2/NDF: 121821.6/33

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

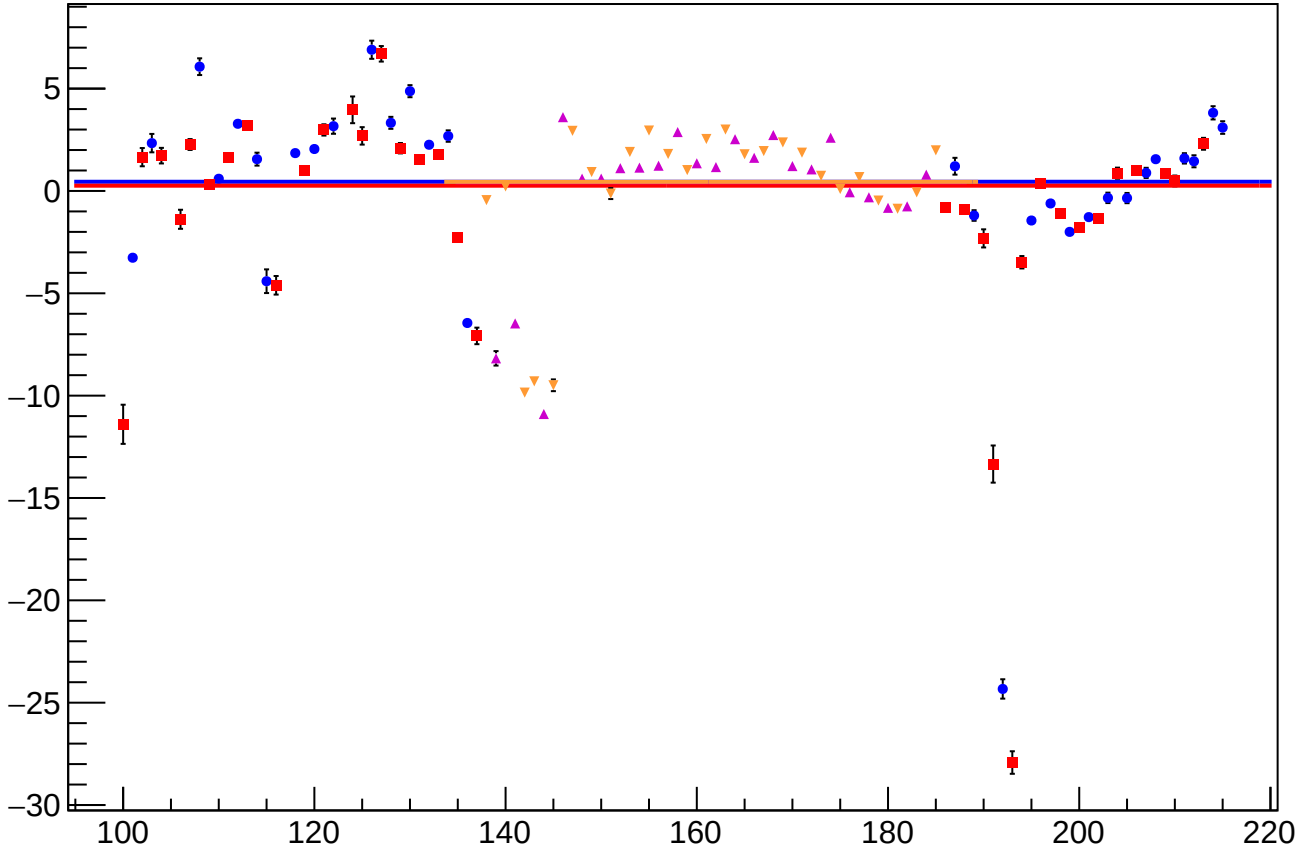
Right: 1.400+/-0.024 χ^2/NDF: 243324.0/64

In: 1.270+/-0.026 χ^2/NDF:254112.1/53

Out: 1.717+/-0.025 χ^2/NDF:299207.2/58

All: 1.501+/-0.018 χ^2/NDF: 553469.0/112

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.449+/-0.044 χ^2/NDF: 6094.2/30

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.257+/-0.043 χ^2/NDF: 5152.0/33

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

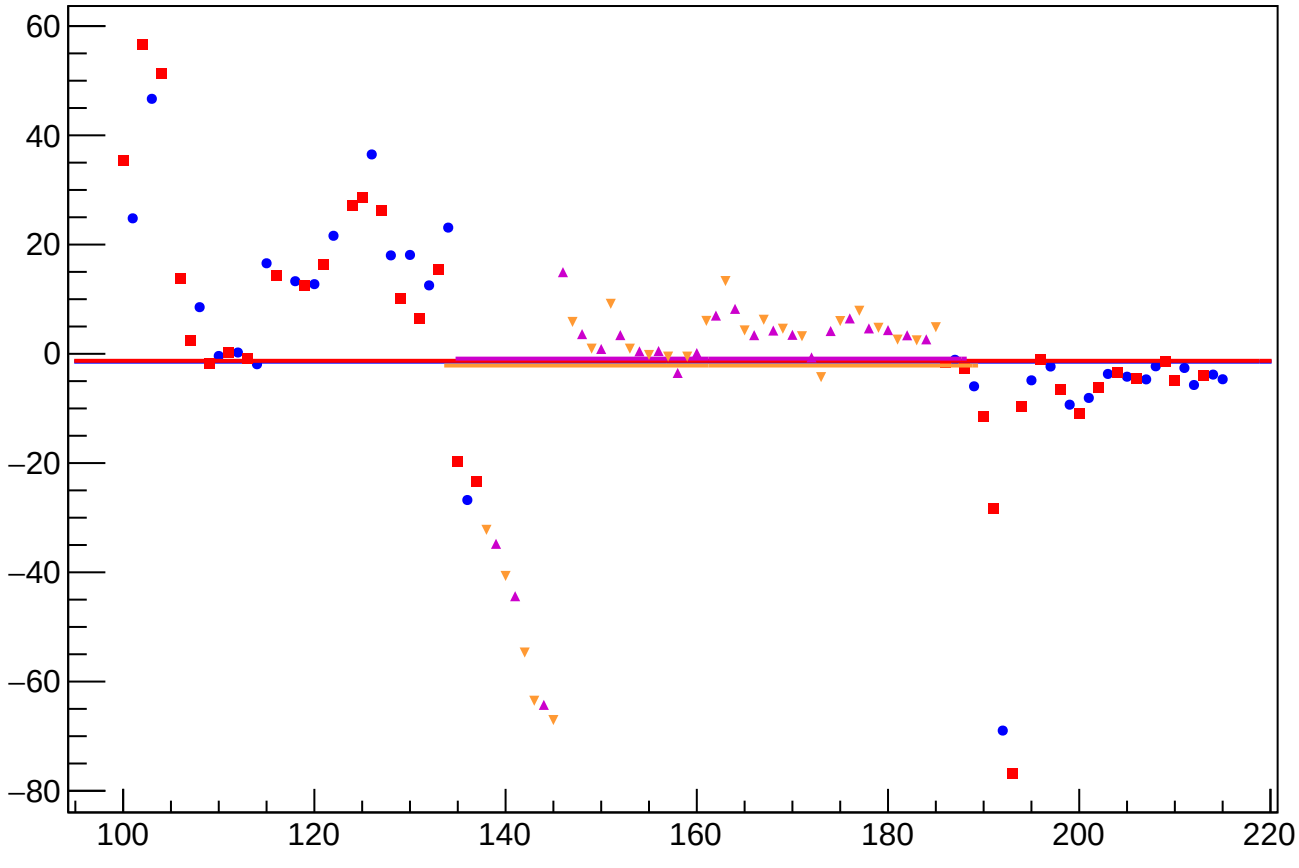
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.350+/-0.031 χ^2/NDF: 11255.9/64

In: 0.435+/-0.026 χ^2/NDF:13196.7/53

Out: 0.376+/-0.026 χ^2/NDF:12208.6/58

All: 0.406+/-0.018 χ^2/NDF: 25407.9/112



Right In: -1.435+/-0.036 χ^2/NDF: 119767.3/30

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -1.279+/-0.035 χ^2/NDF: 119827.7/33

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

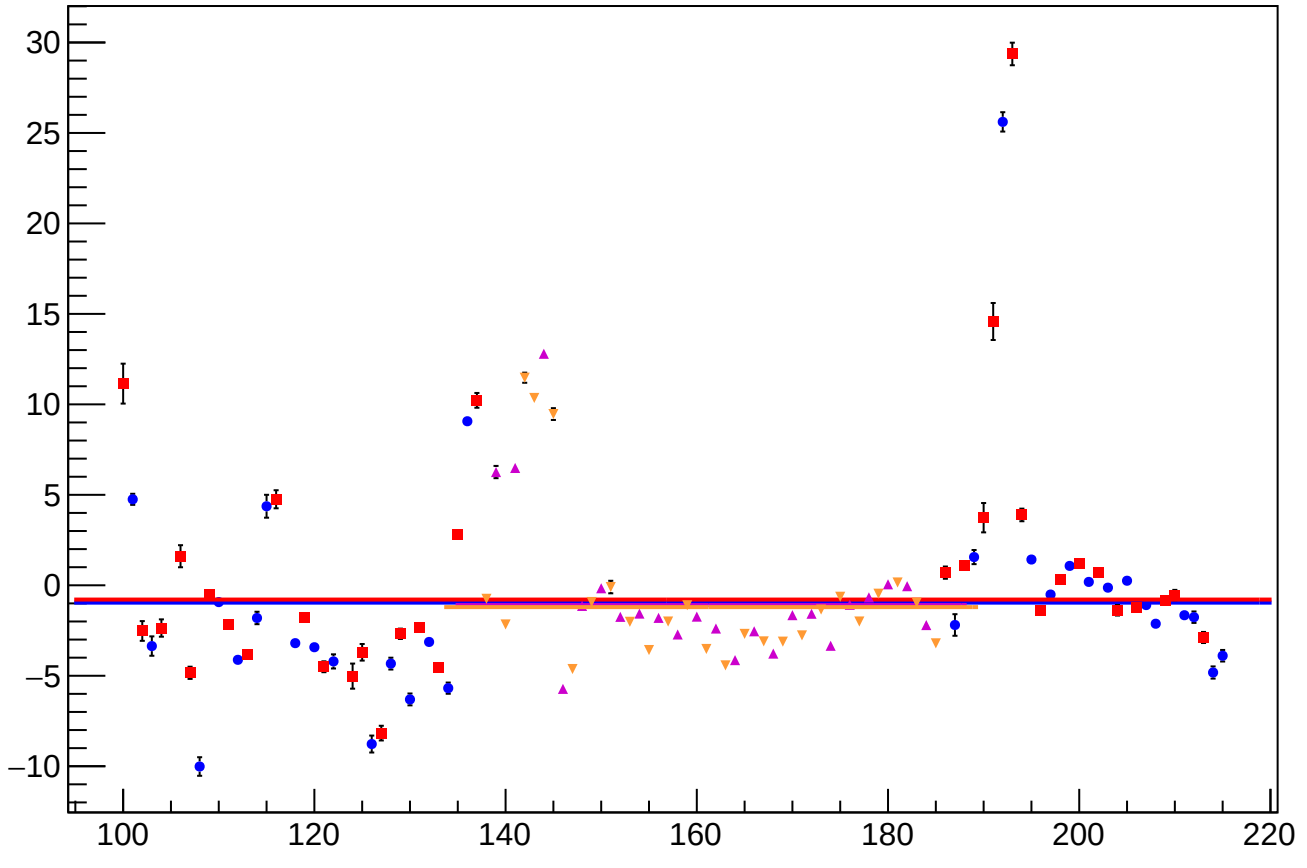
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.354+/-0.025 χ^2/NDF: 239604.7/64

In: -1.181+/-0.027 χ^2/NDF:249072.3/53

Out: -1.645+/-0.026 χ^2/NDF:291364.2/58

All: -1.417+/-0.019 χ^2/NDF: 540590.7/112



Right In: -0.958+/-0.051 χ^2/NDF: 7600.5/30

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.788+/-0.049 χ^2/NDF: 5659.7/33

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

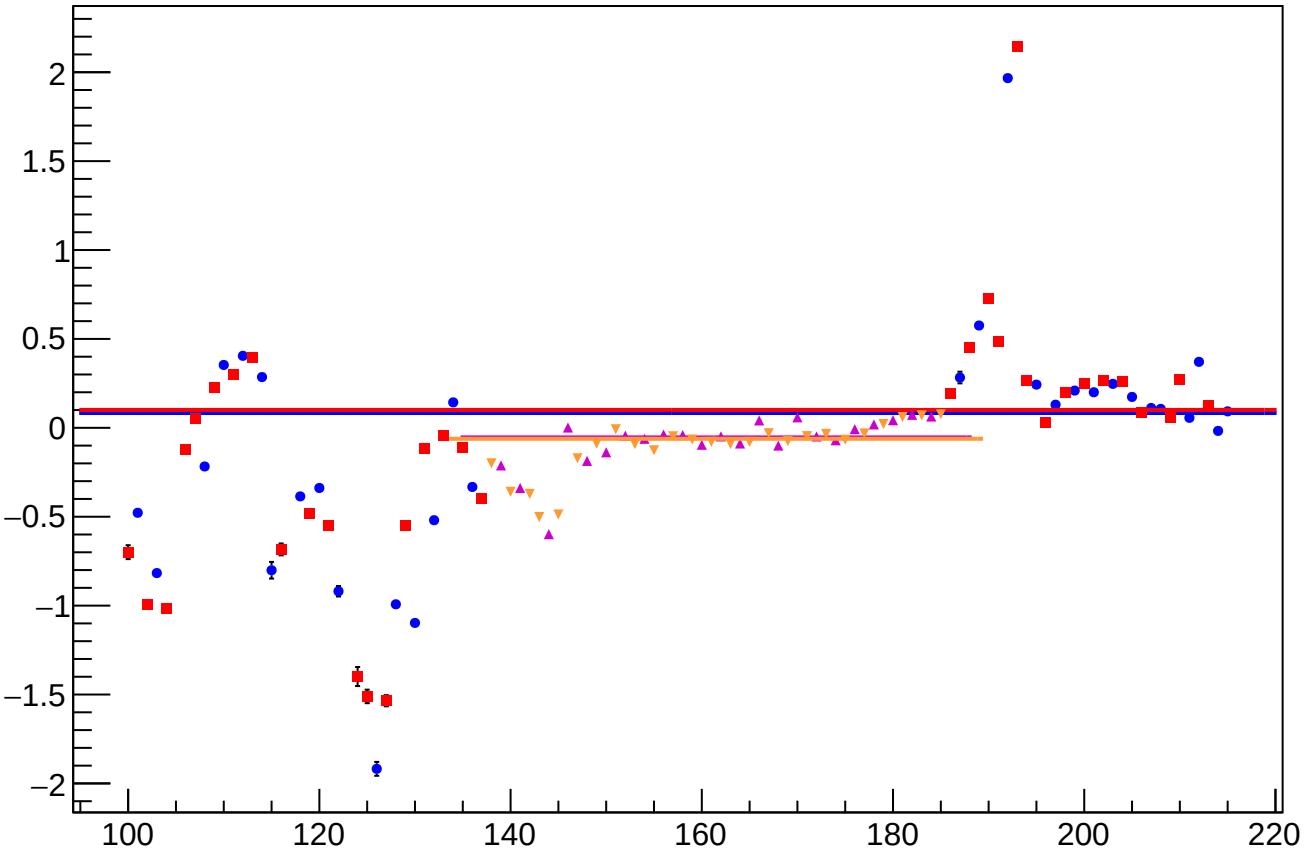
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.871+/-0.035 χ^2/NDF: 13265.9/64

In: -1.050+/-0.029 χ^2/NDF:14634.5/53

Out: -1.059+/-0.029 χ^2/NDF:12709.1/58

All: -1.055+/-0.020 χ^2/NDF: 27343.7/112



Right In: 0.083+/-0.002 χ^2/NDF: 34450.6/30

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.101+/-0.002 χ^2/NDF: 34838.6/33

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

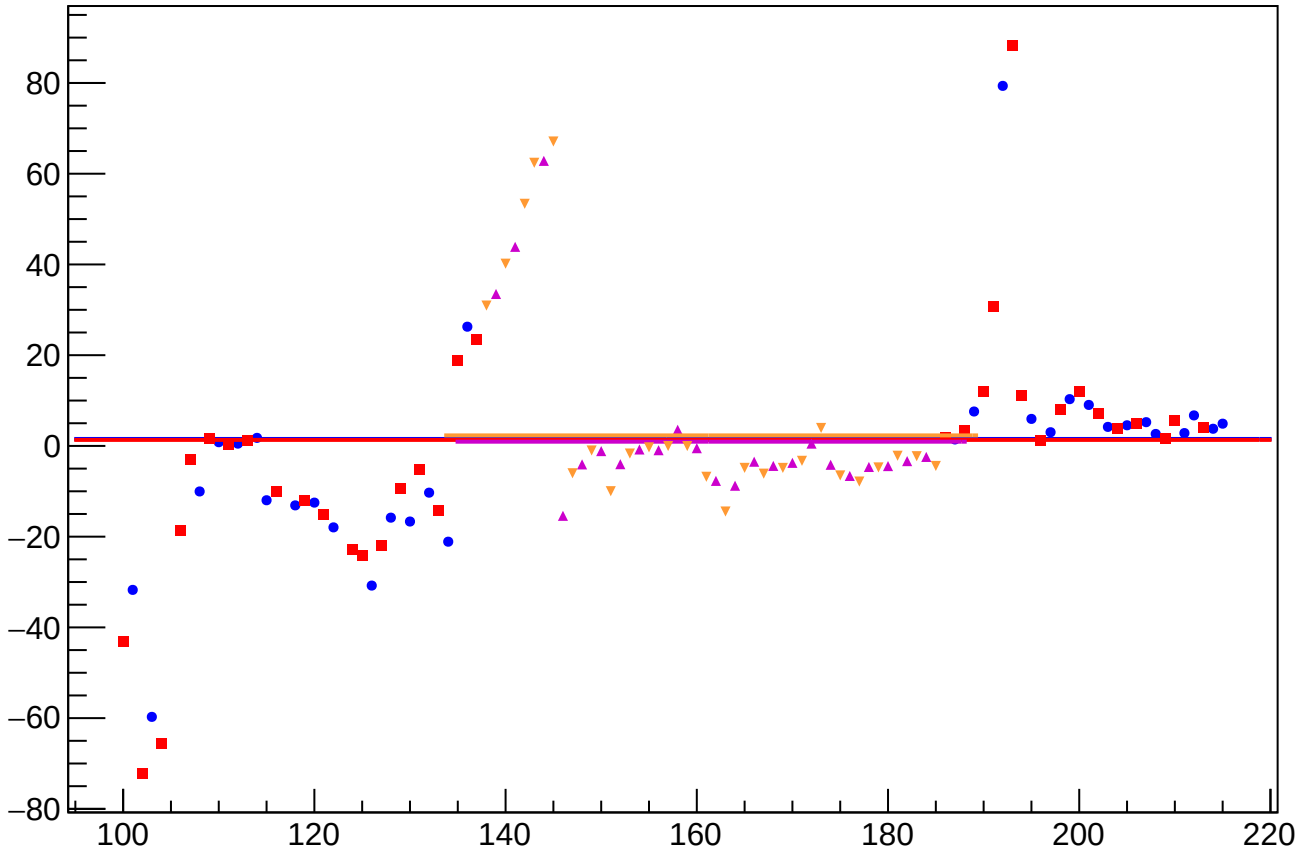
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.092+/-0.002 χ^2/NDF: 69318.6/64

In: -0.013+/-0.001 χ^2/NDF:42023.9/53

Out: -0.008+/-0.001 χ^2/NDF:44031.7/58

All: -0.010+/-0.001 χ^2/NDF: 86062.5/112



Right In: 1.533+/-0.035 χ^2/NDF: 122052.4/30

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.327+/-0.033 χ^2/NDF: 122423.0/33

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

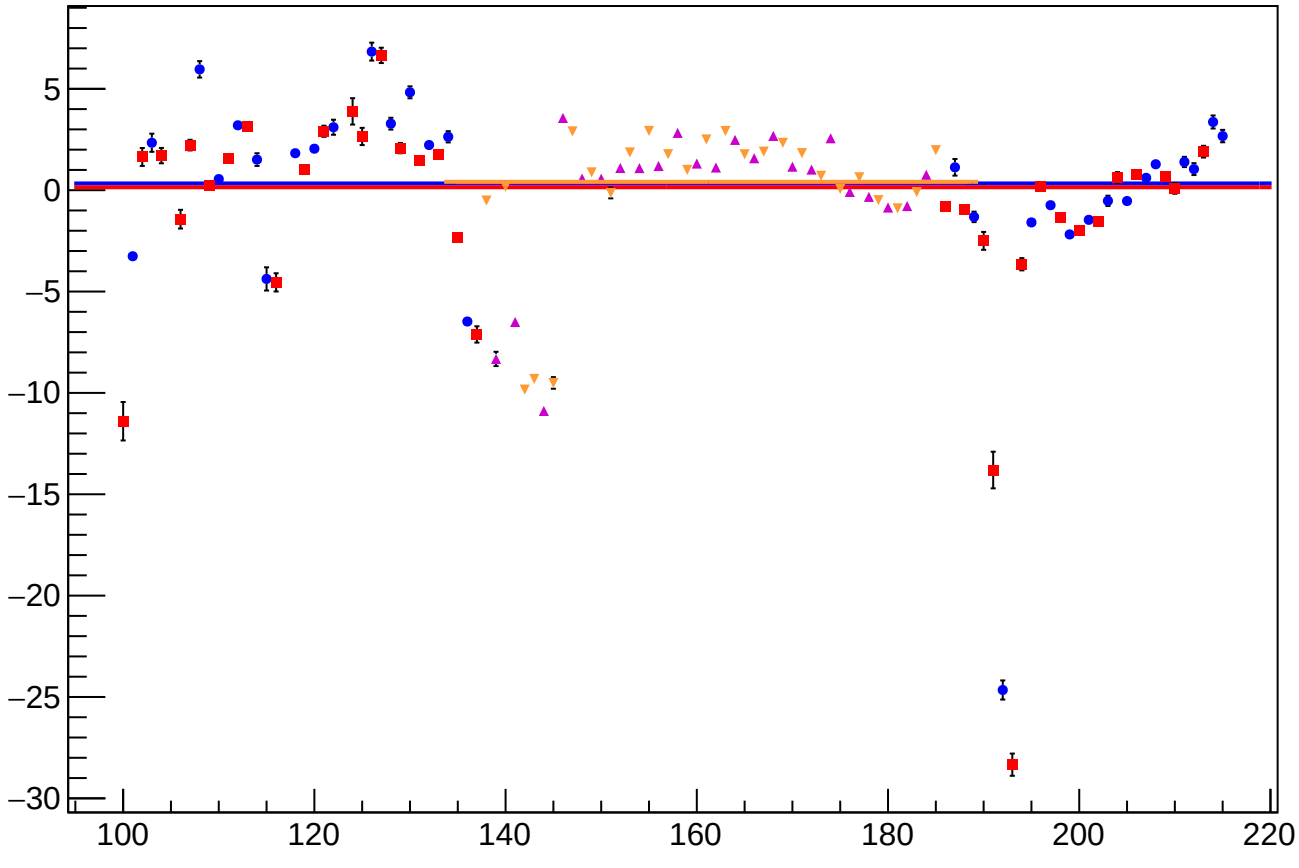
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.423+/-0.024 χ^2/NDF: 244494.1/64

In: 1.274+/-0.026 χ^2/NDF:254585.7/53

Out: 1.720+/-0.025 χ^2/NDF:299537.2/58

All: 1.505+/-0.018 χ^2/NDF: 554272.8/112



Right In: 0.333+/-0.044 χ^2/NDF: 6171.0/30

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.145+/-0.043 χ^2/NDF: 5298.8/33

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

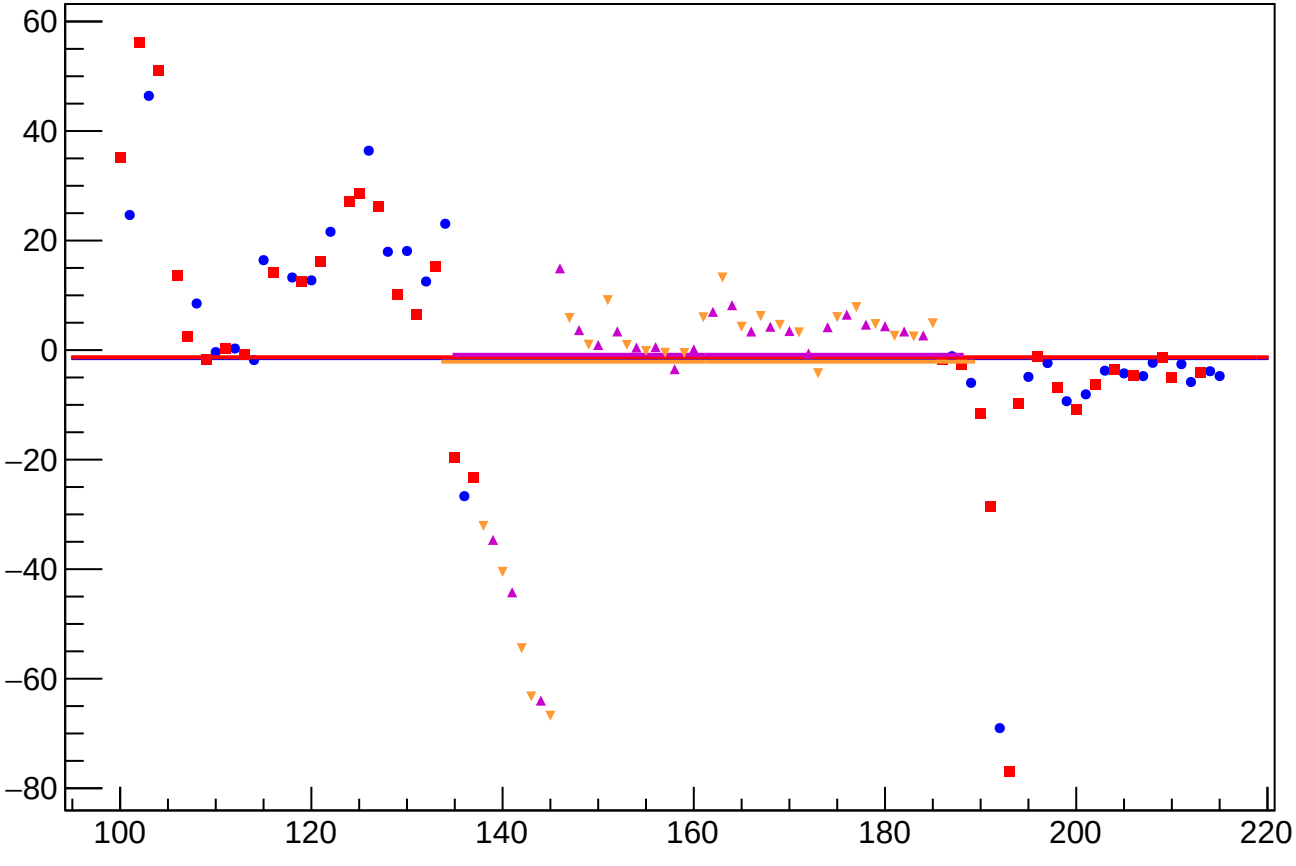
Right: 0.235+/-0.031 χ^2/NDF: 11479.2/64

In: 0.370+/-0.026 χ^2/NDF:13286.2/53

Out: 0.314+/-0.026 χ^2/NDF:12371.2/58

All: 0.342+/-0.018 χ^2/NDF: 25659.8/112

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.464+/-0.036 χ^2/NDF: 120284.5/30

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.308+/-0.034 χ^2/NDF: 120390.2/33

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

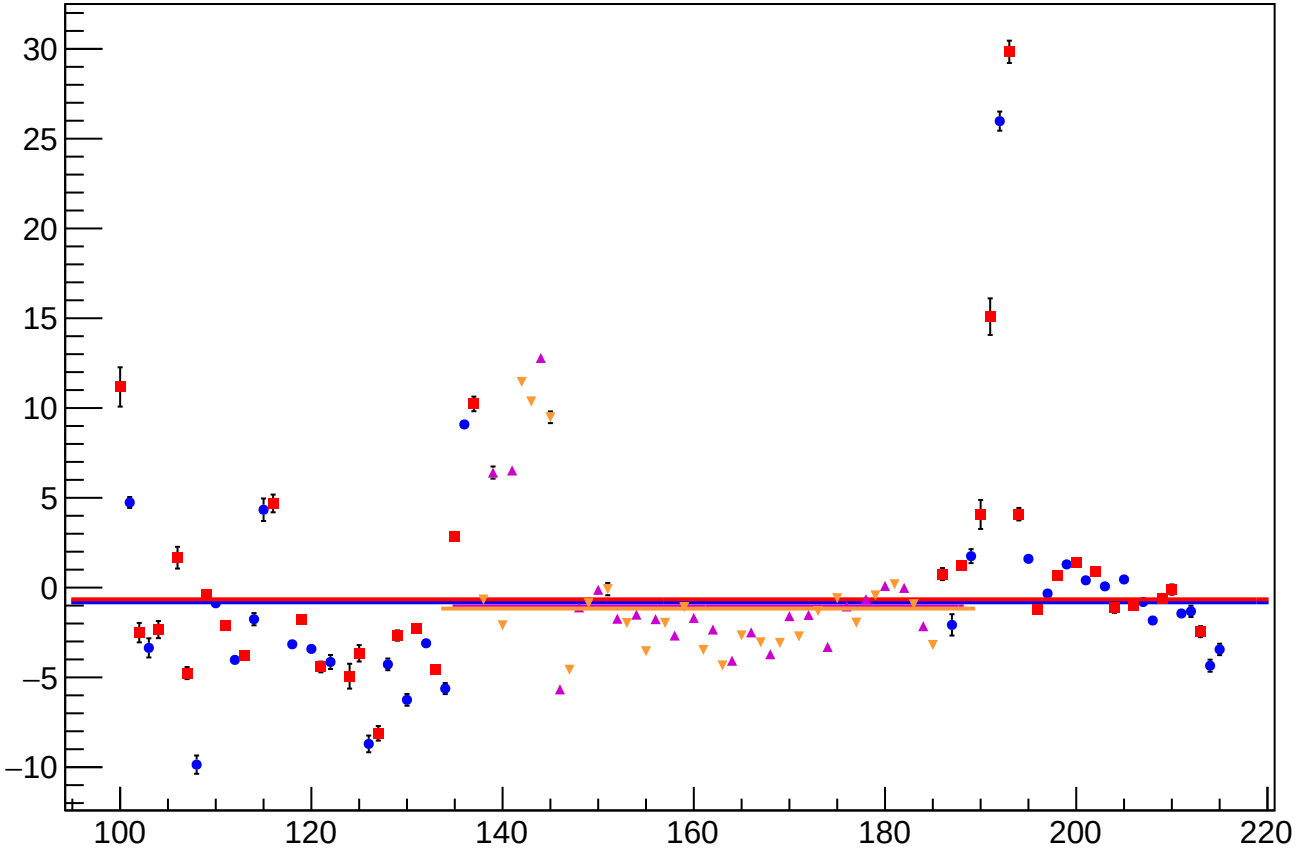
Right: -1.382+/-0.025 χ^2/NDF: 240684.6/64

In: -1.187+/-0.027 χ^2/NDF:249498.4/53

Out: -1.651+/-0.026 χ^2/NDF:291666.2/58

All: -1.423+/-0.019 χ^2/NDF: 541320.1/112

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.817+/-0.051 χ^2/NDF: 7662.7/30

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.654+/-0.049 χ^2/NDF: 5805.0/33

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

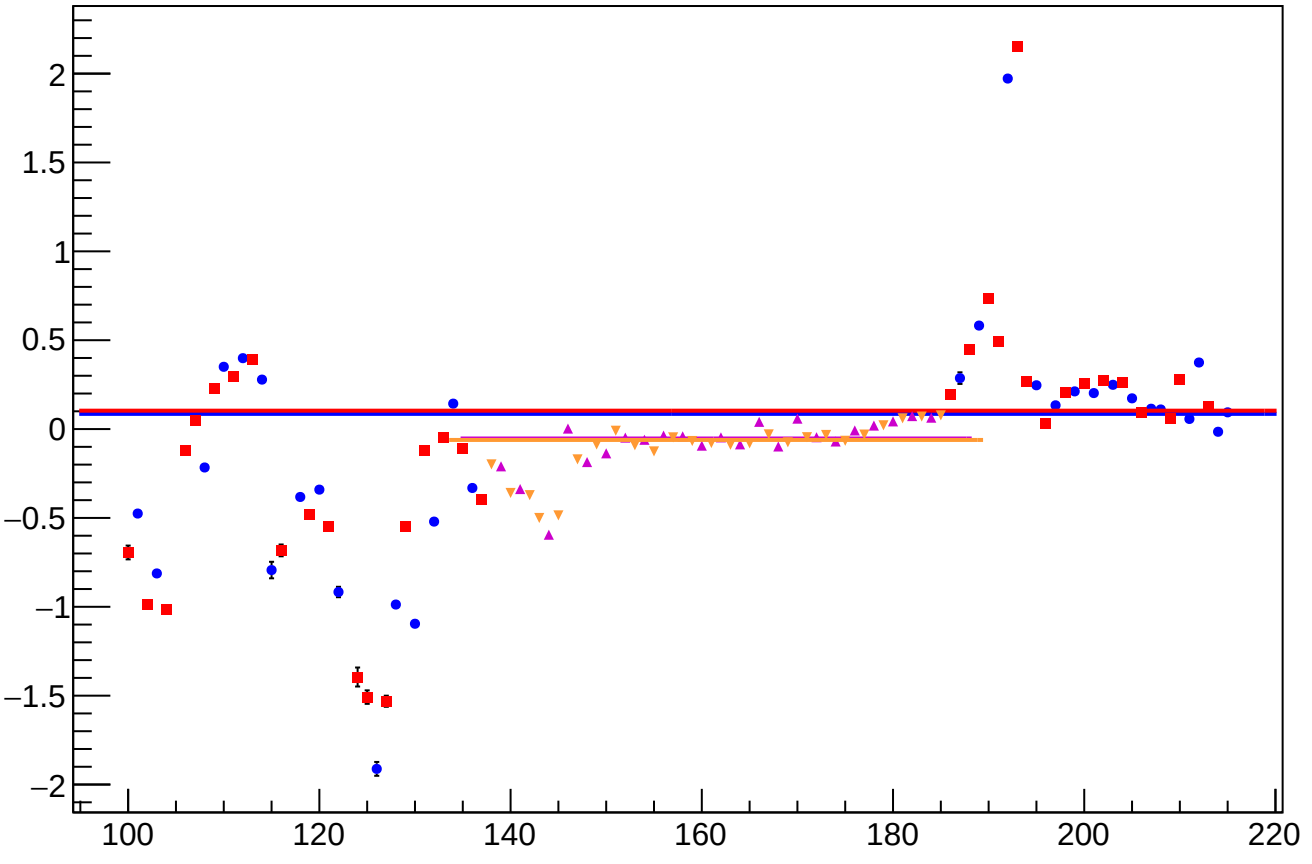
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.733+/-0.035 χ^2/NDF: 13473.2/64

In: -0.974+/-0.029 χ^2/NDF:14717.6/53

Out: -0.987+/-0.029 χ^2/NDF:12877.4/58

All: -0.980+/-0.020 χ^2/NDF: 27595.1/112



Right In: 0.086+/-0.002 χ^2/NDF: 34728.3/30

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.104+/-0.002 χ^2/NDF: 35153.3/33

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

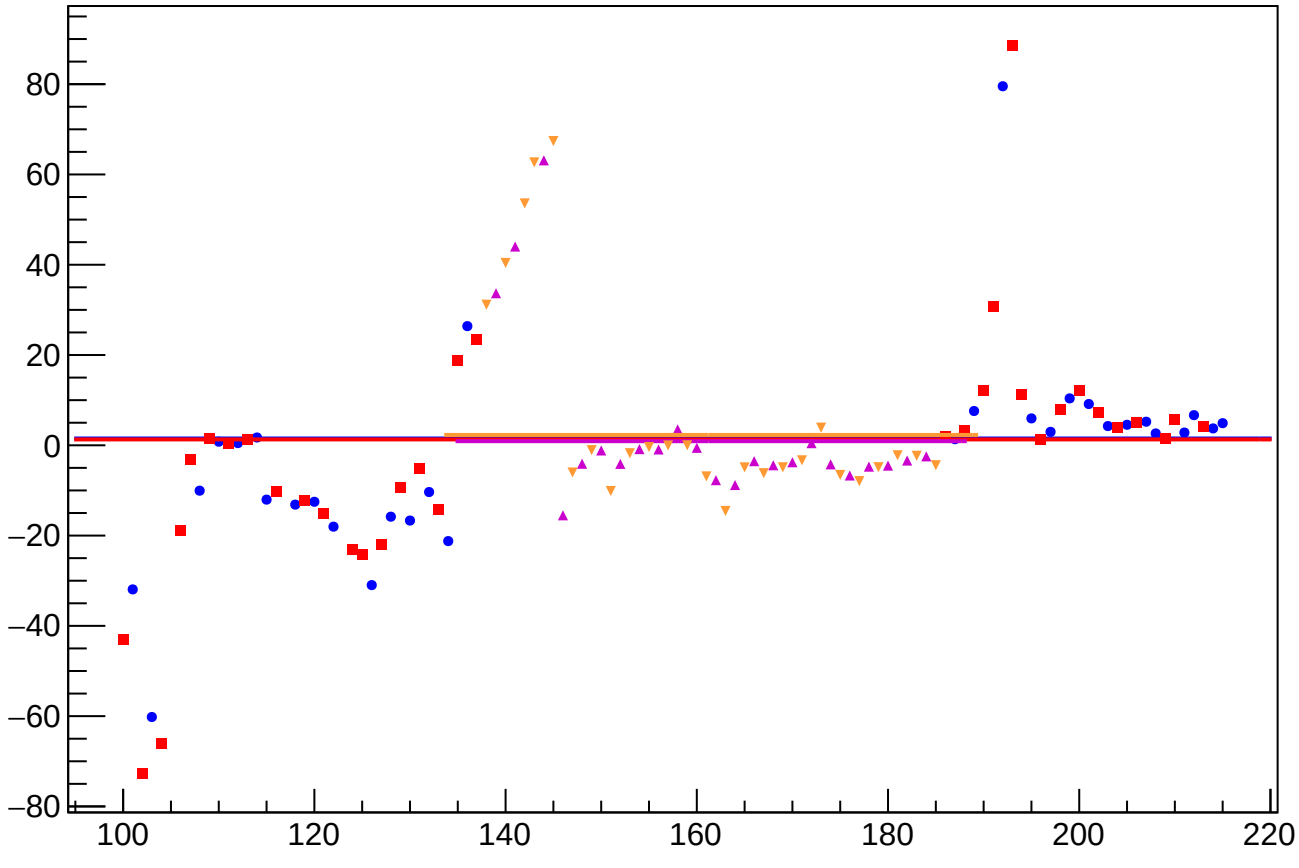
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.095+/-0.002 χ^2/NDF: 69913.4/64

In: -0.011+/-0.001 χ^2/NDF:42351.6/53

Out: -0.006+/-0.001 χ^2/NDF:44497.9/58

All: -0.009+/-0.001 χ^2/NDF: 86856.6/112



Right In: 1.504+/-0.035 χ^2/NDF: 122073.1/30

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.300+/-0.033 χ^2/NDF: 122423.6/33

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

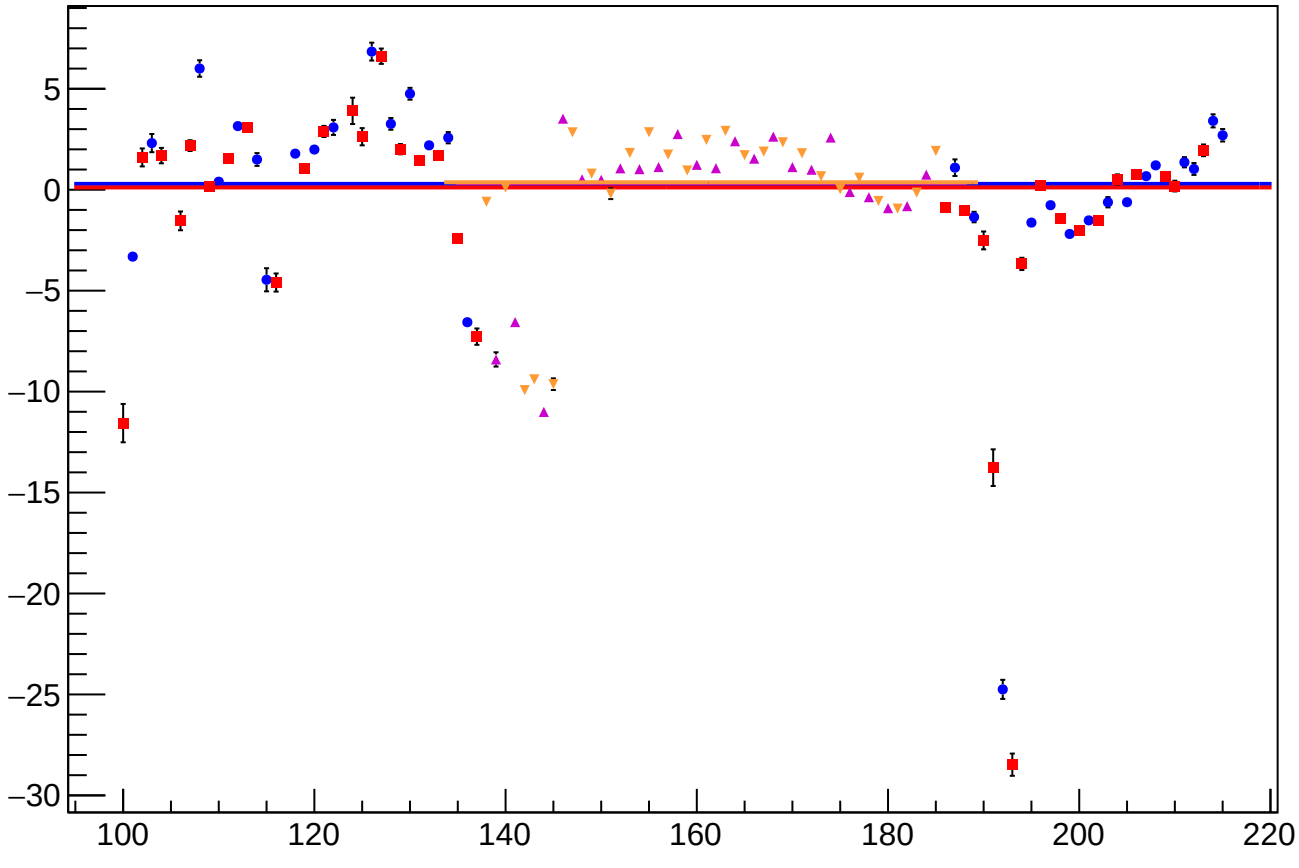
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 1.395+/-0.024 χ^2/NDF: 244514.9/64

In: 1.247+/-0.026 χ^2/NDF:254771.0/53

Out: 1.696+/-0.025 χ^2/NDF:299977.8/58

All: 1.480+/-0.018 χ^2/NDF: 554899.1/112



Right In: 0.290+/-0.044 χ^2/NDF: 6164.9/30

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.113+/-0.043 χ^2/NDF: 5296.3/33

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

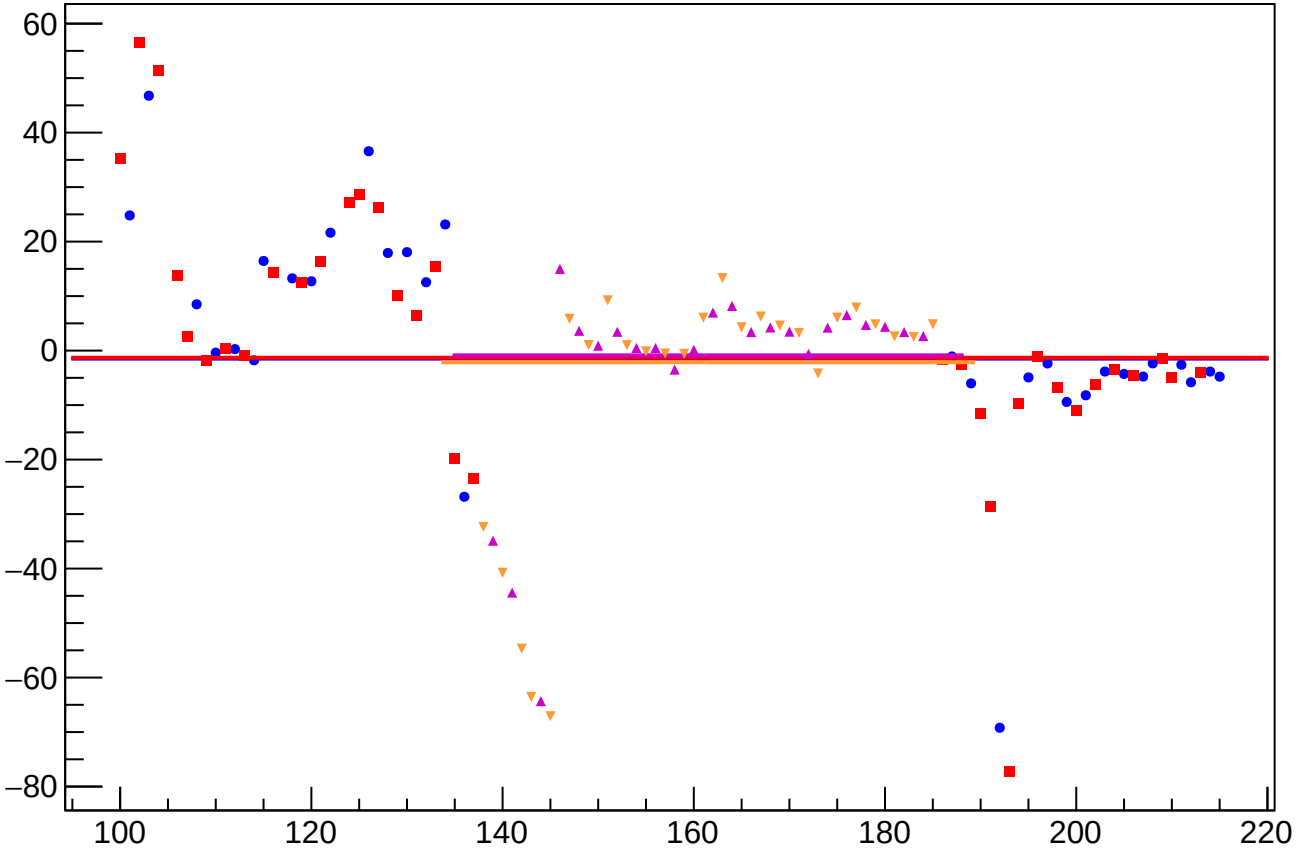
Right: 0.198+/-0.031 χ^2/NDF: 11469.5/64

In: 0.321+/-0.026 χ^2/NDF:13260.0/53

Out: 0.273+/-0.026 χ^2/NDF:12386.6/58

All: 0.297+/-0.018 χ^2/NDF: 25648.3/112

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.466+/-0.036 χ^2/NDF: 120325.5/30

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.310+/-0.034 χ^2/NDF: 120422.6/33

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

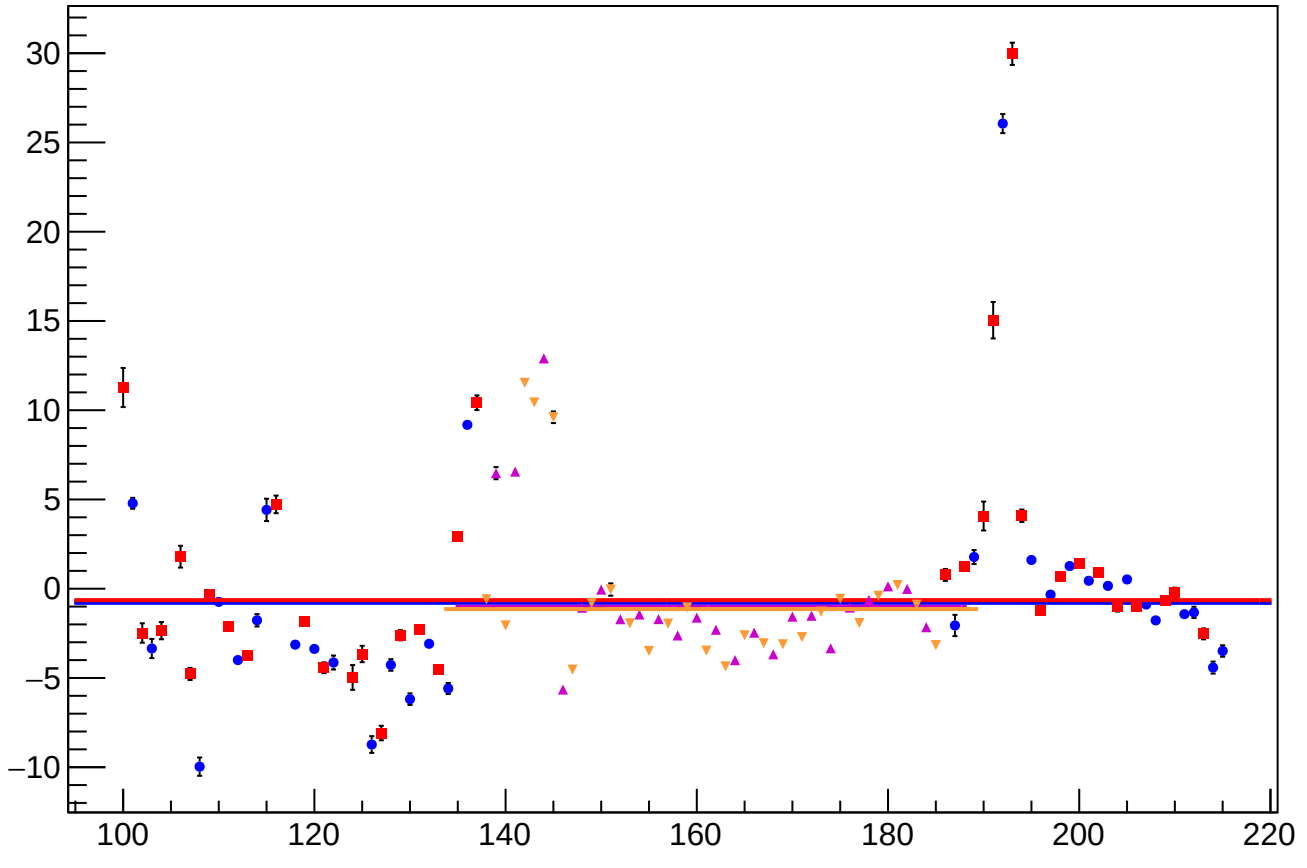
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.384+/-0.025 χ^2/NDF: 240757.9/64

In: -1.193+/-0.027 χ^2/NDF:249712.3/53

Out: -1.658+/-0.026 χ^2/NDF:292130.4/58

All: -1.430+/-0.019 χ^2/NDF: 541997.1/112



Right In: -0.792+/-0.051 χ^2/NDF: 7664.9/30

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.641+/-0.049 χ^2/NDF: 5811.6/33

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

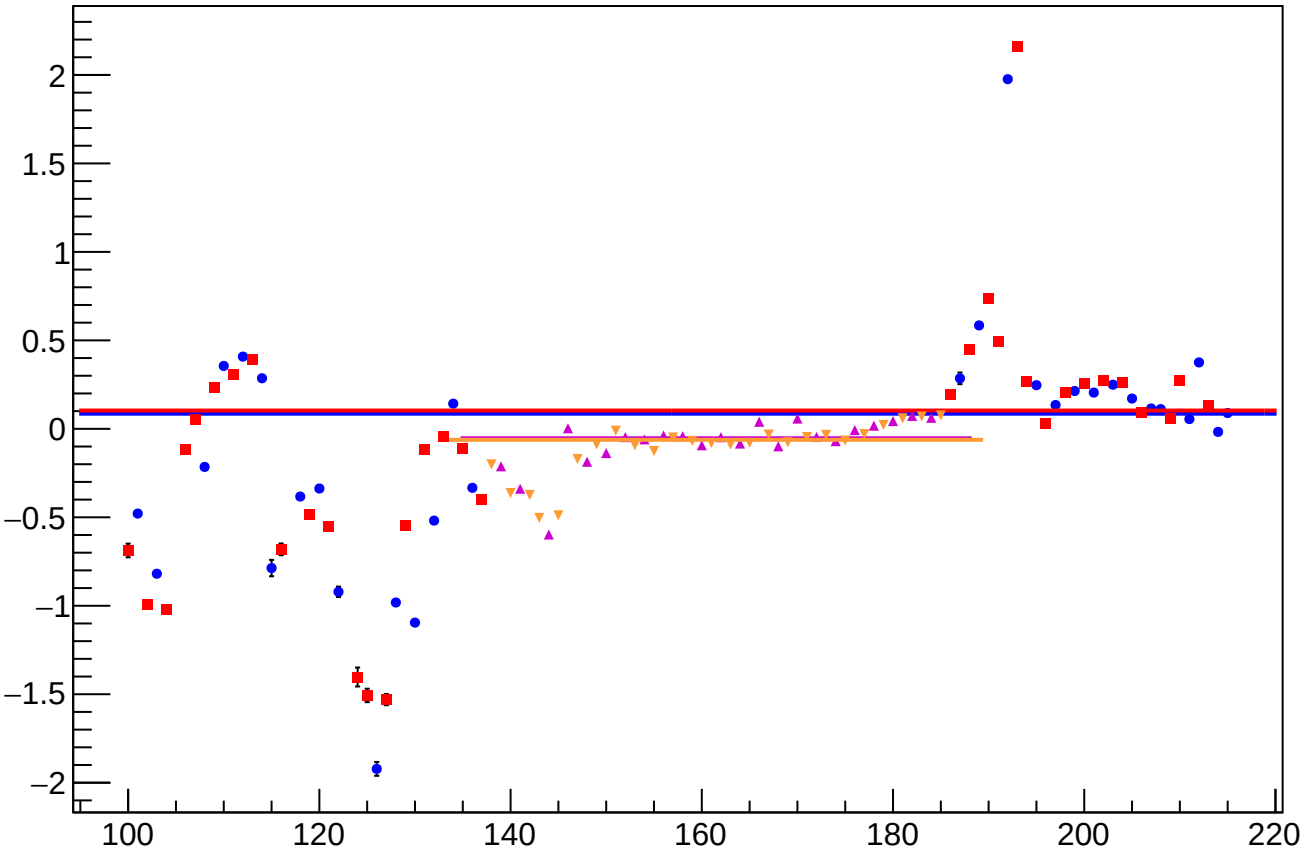
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.714+/-0.035 χ^2/NDF: 13481.0/64

In: -0.943+/-0.029 χ^2/NDF:14705.0/53

Out: -0.964+/-0.029 χ^2/NDF:12900.8/58

All: -0.953+/-0.021 χ^2/NDF: 27606.1/112



Right In: 0.086+/-0.002 χ^2/NDF: 34720.3/30

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.103+/-0.002 χ^2/NDF: 35108.7/33

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

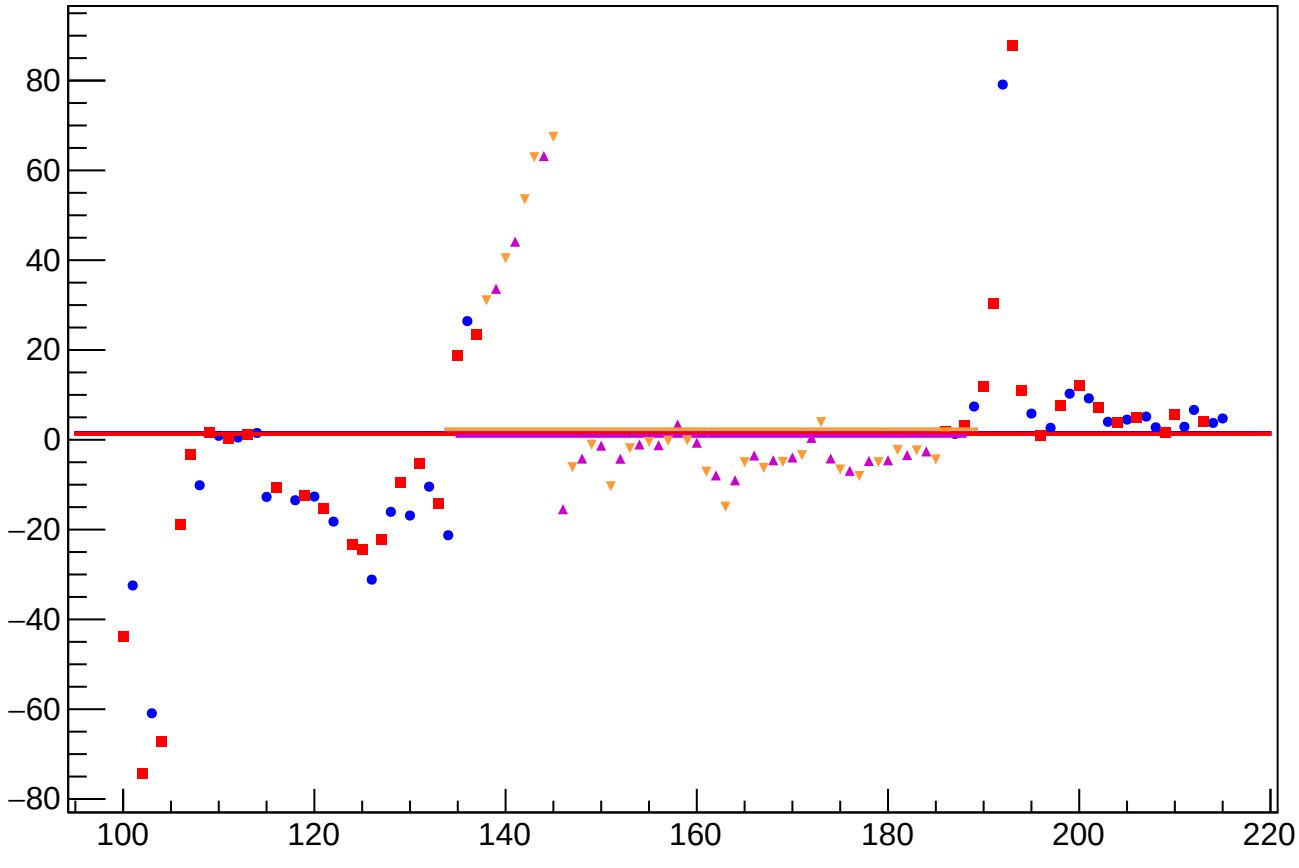
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.095+/-0.002 χ^2/NDF: 69860.1/64

In: -0.011+/-0.001 χ^2/NDF:42310.8/53

Out: -0.007+/-0.001 χ^2/NDF:44458.3/58

All: -0.009+/-0.001 χ^2/NDF: 86774.9/112



Right In: 1.498+/-0.035 χ^2/NDF: 120178.4/30

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.298+/-0.033 χ^2/NDF: 120781.7/33

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

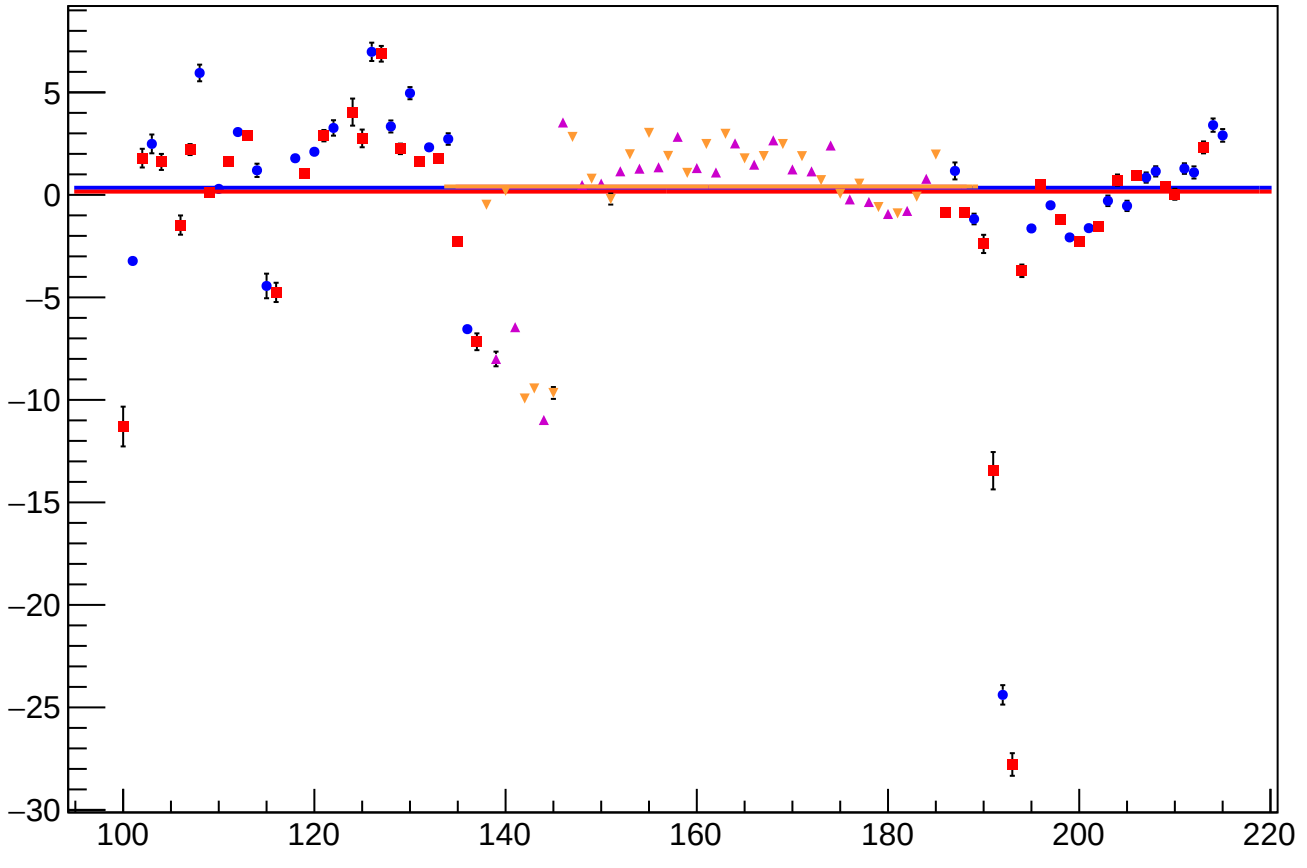
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 1.391+/-0.024 χ^2/NDF: 240977.1/64

In: 1.235+/-0.027 χ^2/NDF:250723.8/53

Out: 1.705+/-0.026 χ^2/NDF:295810.3/58

All: 1.478+/-0.019 χ^2/NDF: 546694.0/112



Right In: 0.346+/-0.045 χ^2/NDF: 6001.4/30

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.159+/-0.043 χ^2/NDF: 5115.6/33

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

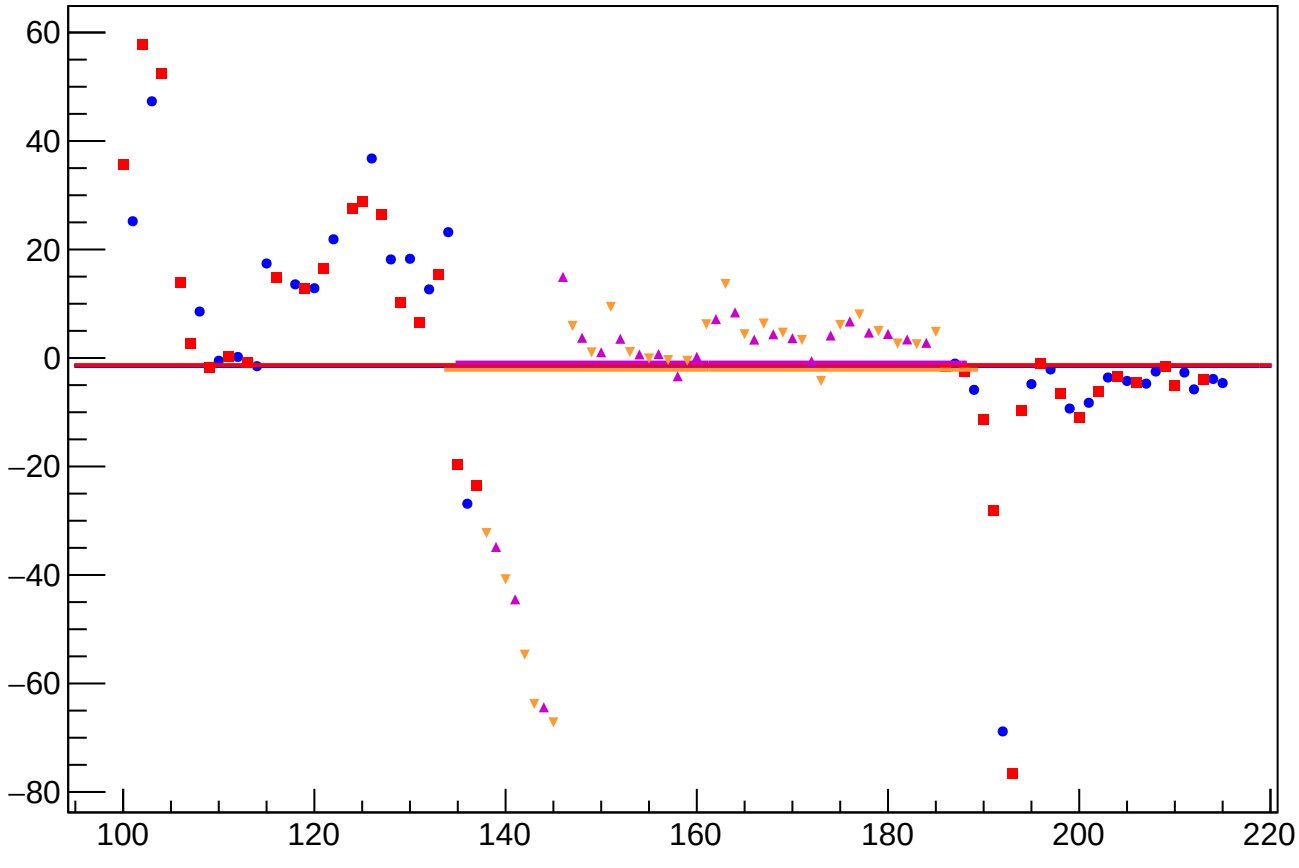
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.249+/-0.031 χ^2/NDF: 11126.0/64

In: 0.379+/-0.026 χ^2/NDF:12934.2/53

Out: 0.316+/-0.026 χ^2/NDF:12184.5/58

All: 0.348+/-0.019 χ^2/NDF: 25121.6/112



Right In: -1.461+/-0.037 χ^2/NDF: 118475.4/30

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.310+/-0.035 χ^2/NDF: 118791.9/33

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

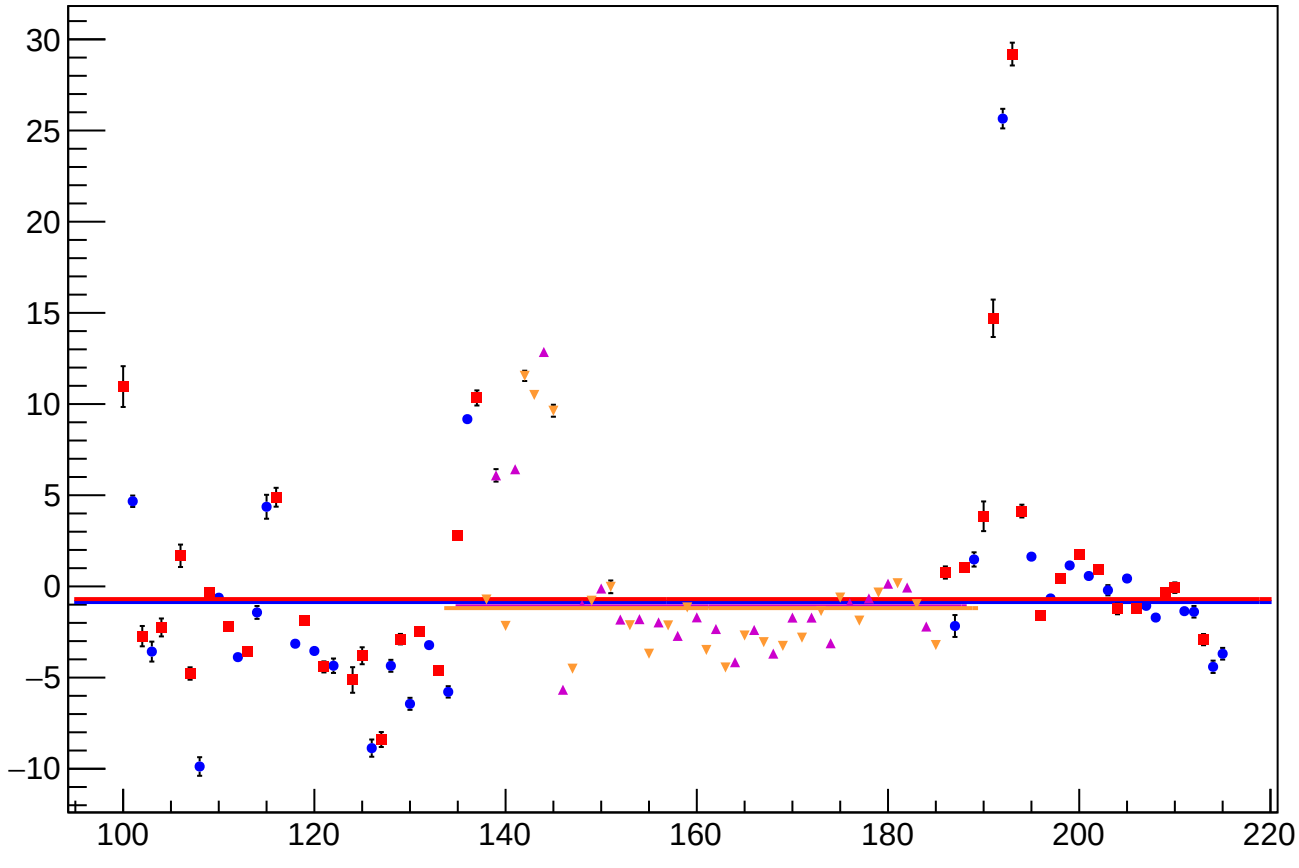
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.381+/-0.025 χ^2/NDF: 237276.2/64

In: -1.180+/-0.027 χ^2/NDF:245740.0/53

Out: -1.667+/-0.027 χ^2/NDF:288033.7/58

All: -1.428+/-0.019 χ^2/NDF: 533938.3/112



Right In: -0.857+/-0.052 χ^2/NDF: 7499.5/30

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.695+/-0.050 χ^2/NDF: 5644.1/33

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

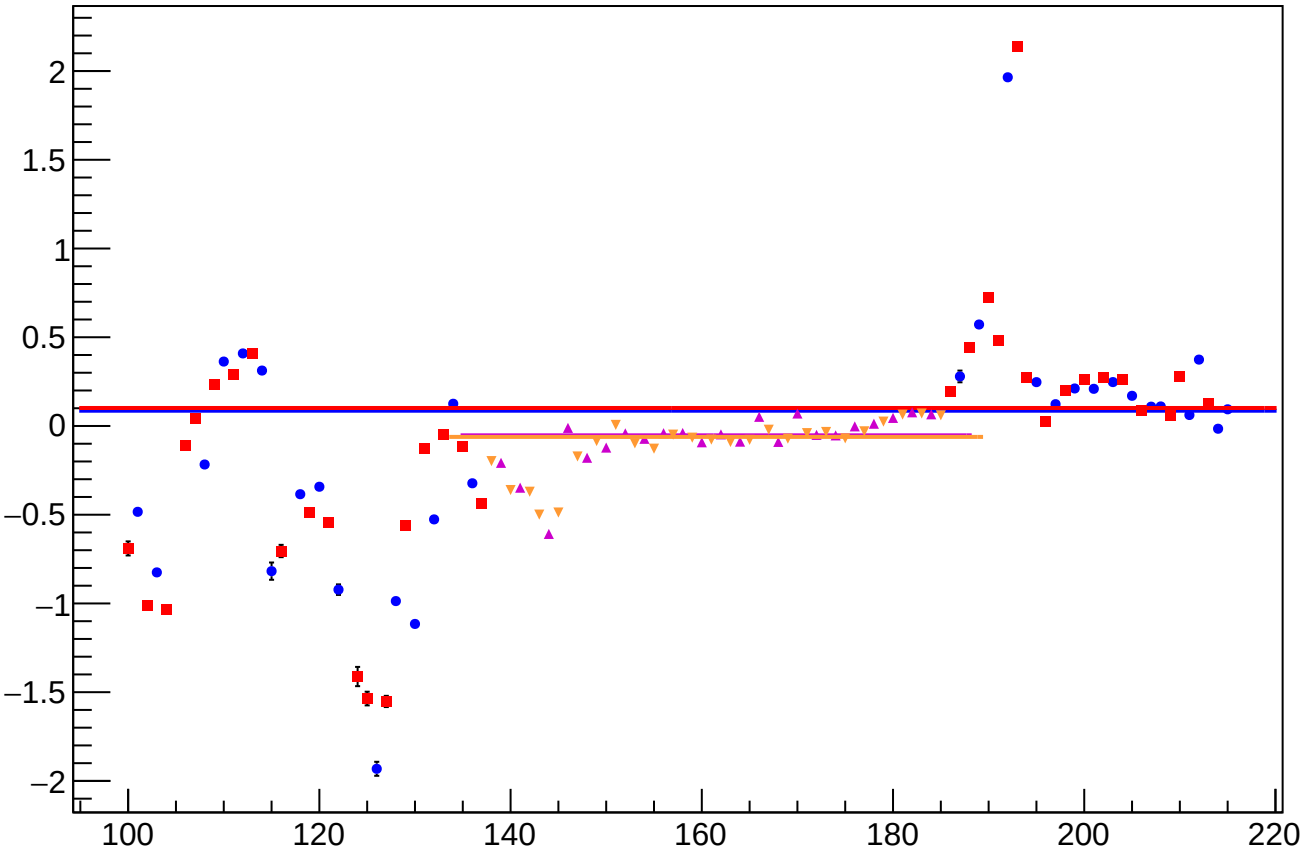
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.774+/-0.036 χ^2/NDF: 13148.7/64

In: -1.014+/-0.029 χ^2/NDF:14354.0/53

Out: -1.015+/-0.030 χ^2/NDF:12703.3/58

All: -1.015+/-0.021 χ^2/NDF: 27057.3/112



Right In: 0.086+/-0.002 χ^2/NDF: 33980.1/30

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.101+/-0.002 χ^2/NDF: 34679.2/33

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

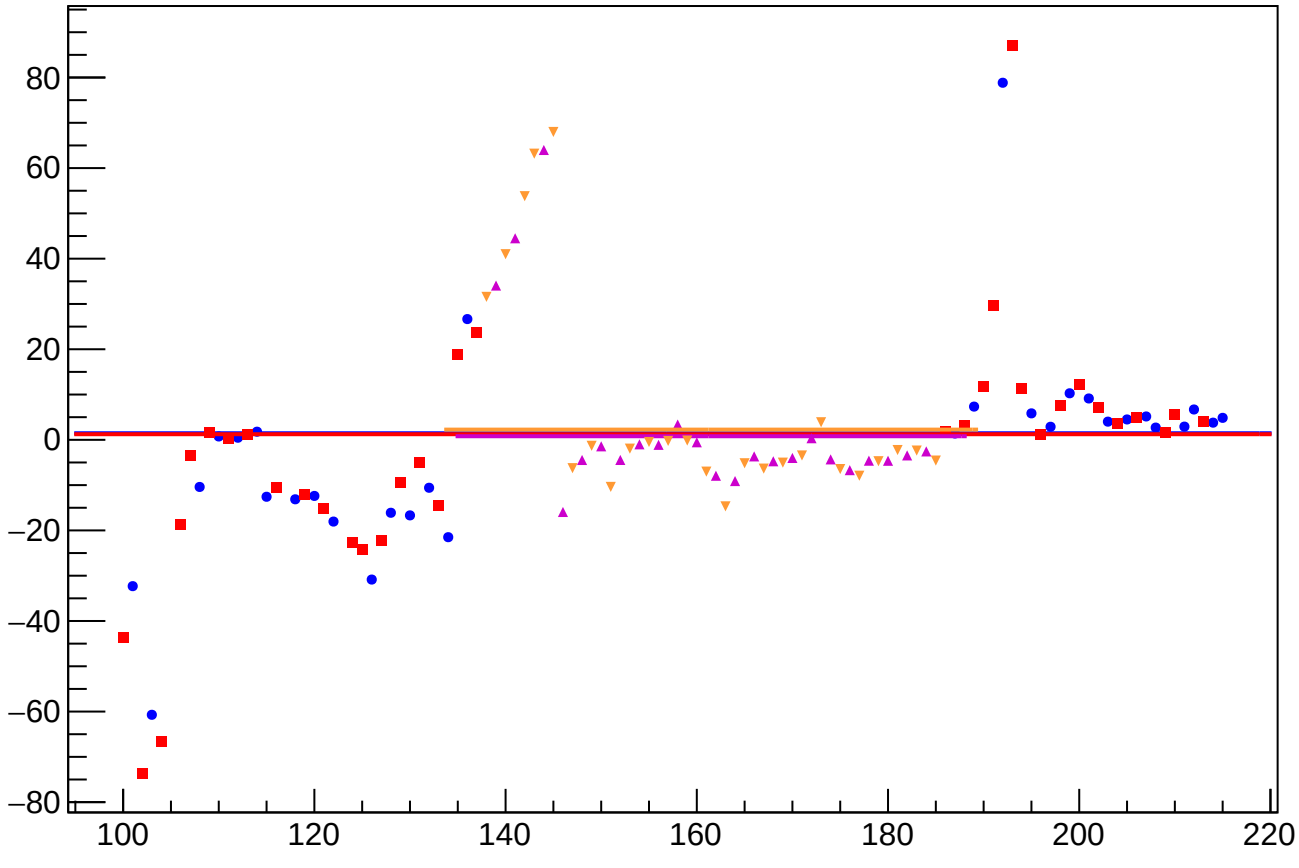
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.094+/-0.002 χ^2/NDF: 68681.7/64

In: -0.010+/-0.001 χ^2/NDF:41544.1/53

Out: -0.007+/-0.001 χ^2/NDF:43657.1/58

All: -0.009+/-0.001 χ^2/NDF: 85204.8/112



Right In: 1.449+/-0.036 χ^2/NDF: 118558.0/30

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.239+/-0.034 χ^2/NDF: 118623.2/33

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

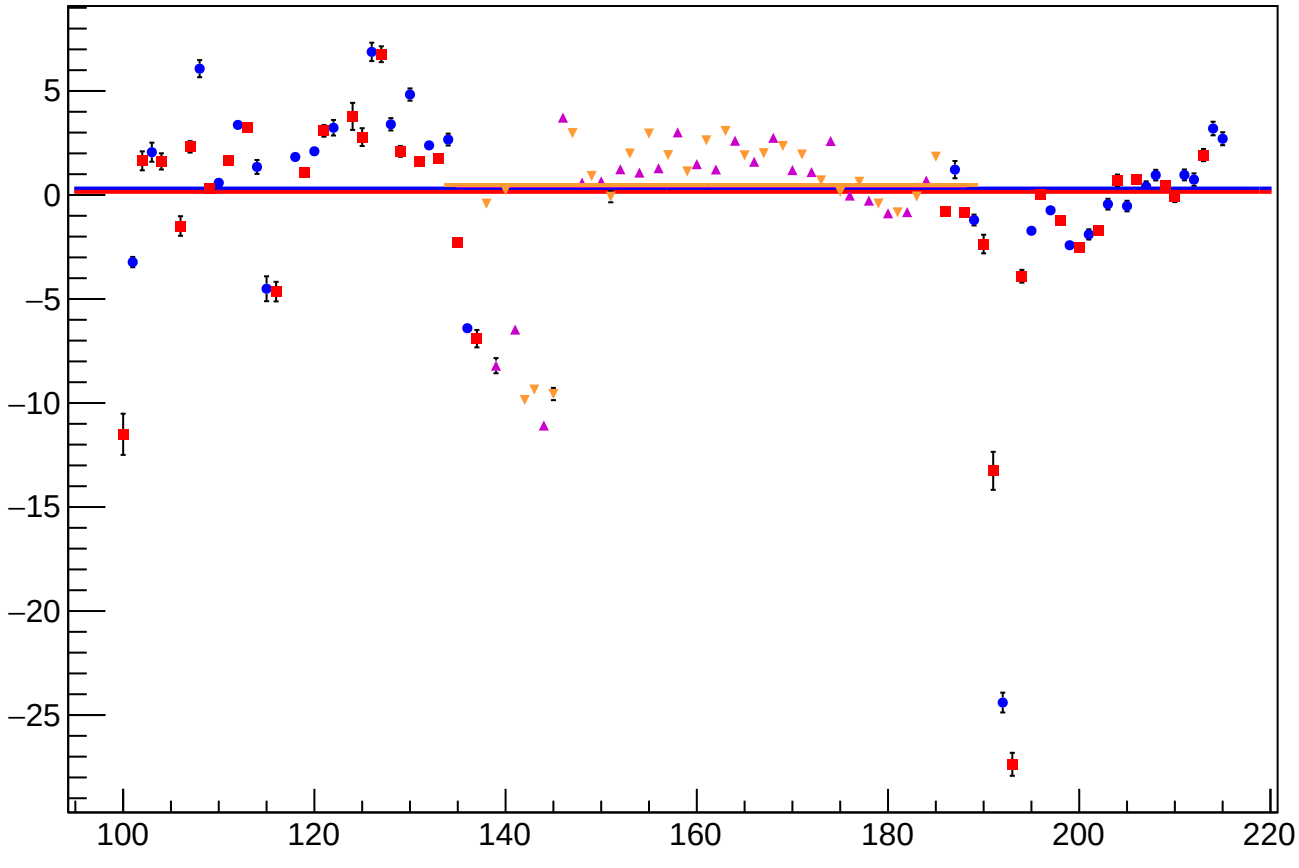
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.338+/-0.025 χ^2/NDF: 237199.2/64

In: 1.166+/-0.027 χ^2/NDF:247530.2/53

Out: 1.645+/-0.026 χ^2/NDF:290654.4/58

All: 1.413+/-0.019 χ^2/NDF: 538346.2/112



Right In: 0.310+/-0.045 χ^2/NDF: 5945.2/30

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.152+/-0.044 χ^2/NDF: 5012.4/33

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

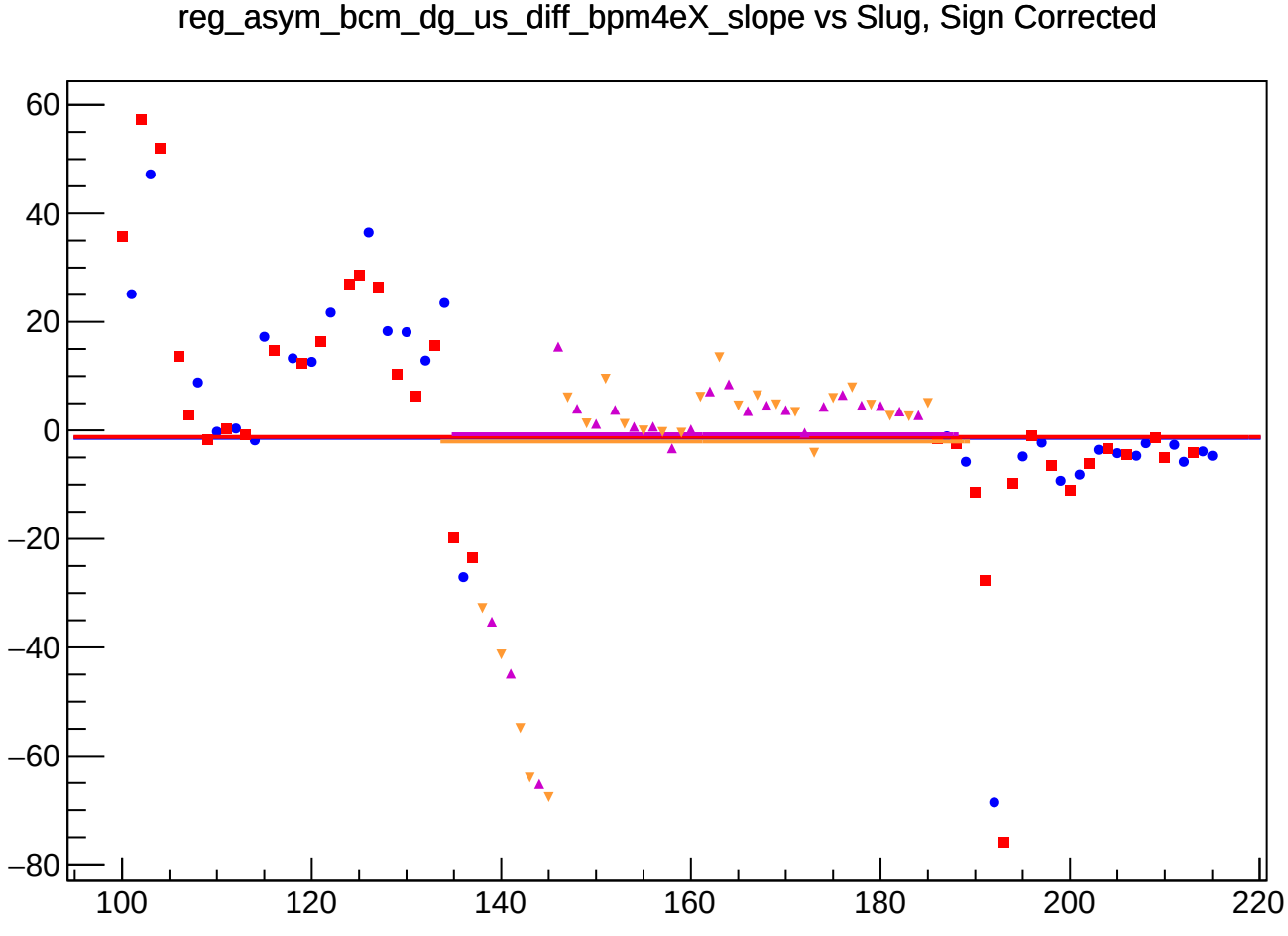
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.228+/-0.032 χ^2/NDF: 10963.9/64

In: 0.396+/-0.026 χ^2/NDF:12844.4/53

Out: 0.357+/-0.027 χ^2/NDF:11855.4/58

All: 0.377+/-0.019 χ^2/NDF: 24700.8/112



Right In: -1.381+/-0.037 χ^2/NDF: 116815.8/30

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.215+/-0.035 χ^2/NDF: 116666.9/33

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

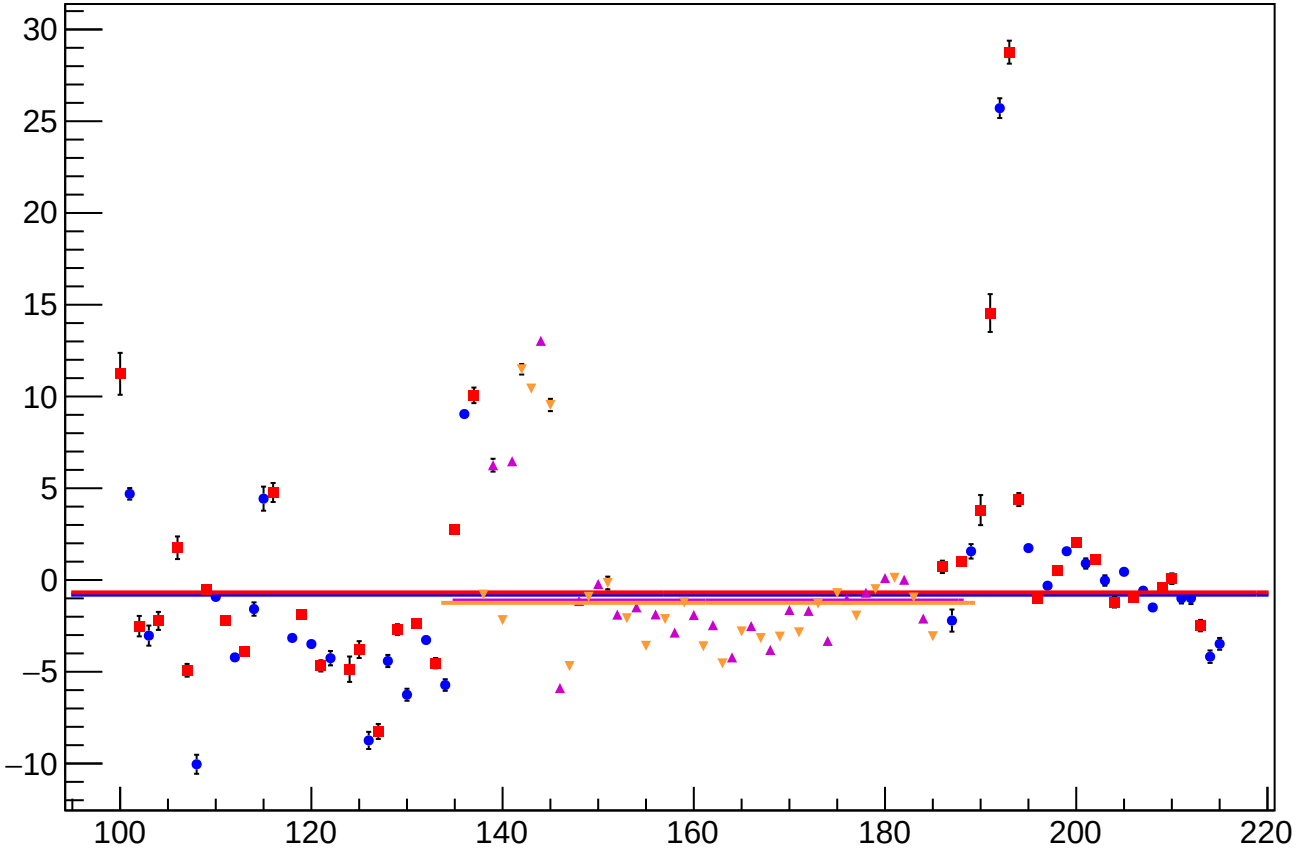
Right: -1.294+/-0.026 χ^2/NDF: 233493.2/64

In: -1.080+/-0.027 χ^2/NDF:242491.4/53

Out: -1.567+/-0.027 χ^2/NDF:282912.1/58

All: -1.328+/-0.019 χ^2/NDF: 525564.6/112

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.799+/-0.052 χ^2/NDF: 7359.1/30

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.675+/-0.051 χ^2/NDF: 5497.5/33

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

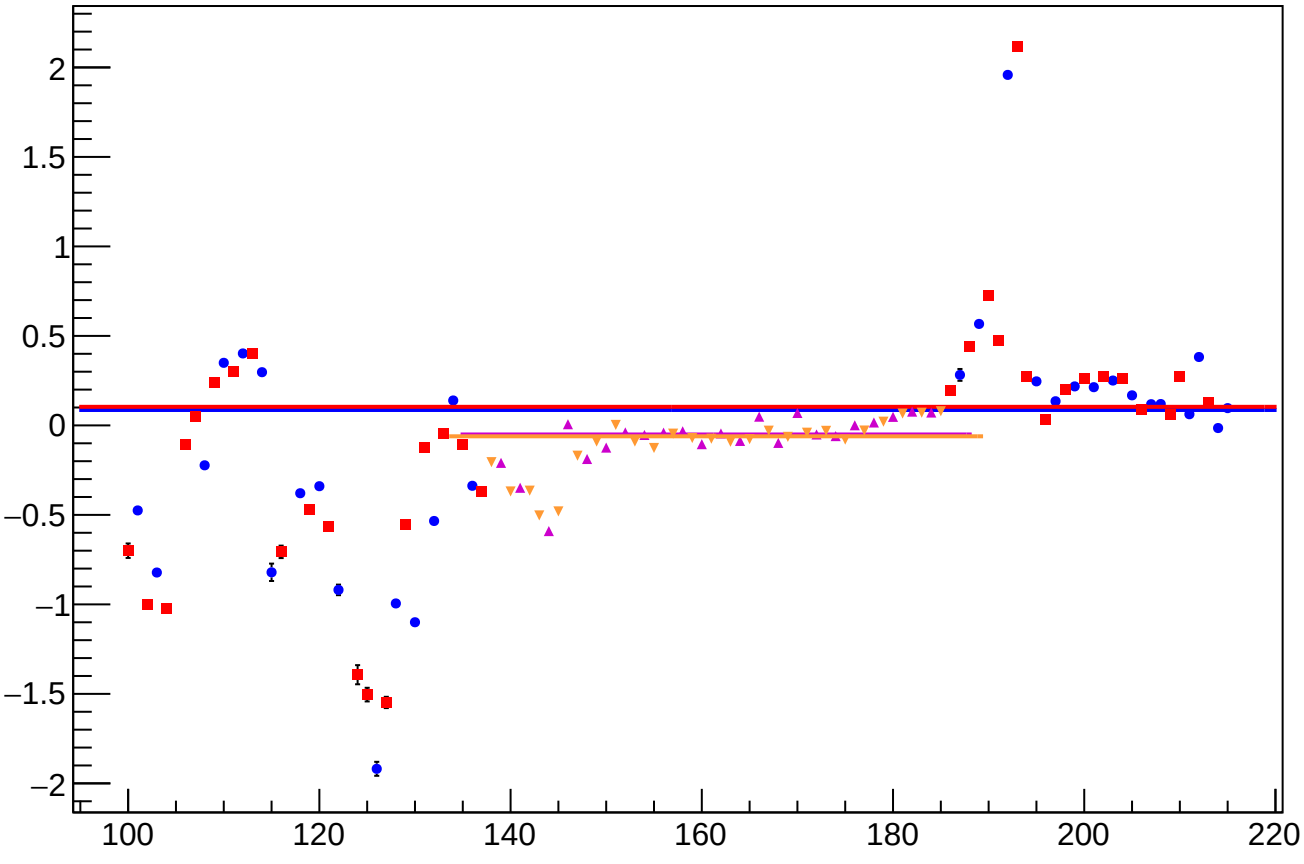
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.735+/-0.036 χ^2/NDF: 12859.5/64

In: -1.014+/-0.030 χ^2/NDF:14224.5/53

Out: -1.044+/-0.030 χ^2/NDF:12347.9/58

All: -1.029+/-0.021 χ^2/NDF: 26573.0/112



Right In: 0.086+/-0.002 χ^2/NDF: 33660.9/30

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.104+/-0.002 χ^2/NDF: 33741.4/33

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

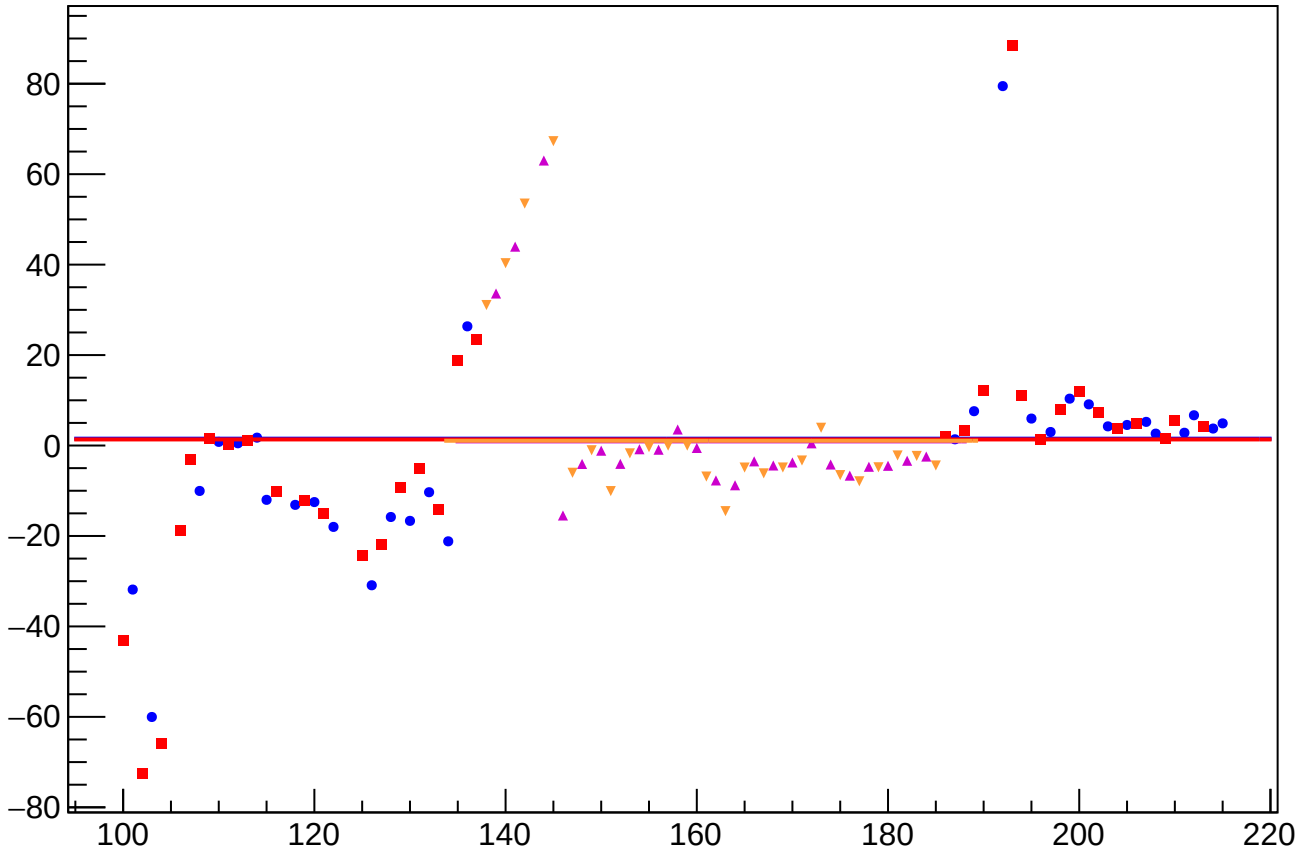
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.095+/-0.002 χ^2/NDF: 67431.3/64

In: -0.009+/-0.001 χ^2/NDF:40940.4/53

Out: -0.006+/-0.001 χ^2/NDF:42618.8/58

All: -0.008+/-0.001 χ^2/NDF: 83561.7/112



Right In: 1.517+/-0.035 χ^2/NDF: 122288.1/30

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 1.345+/-0.033 χ^2/NDF: 119709.0/31

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

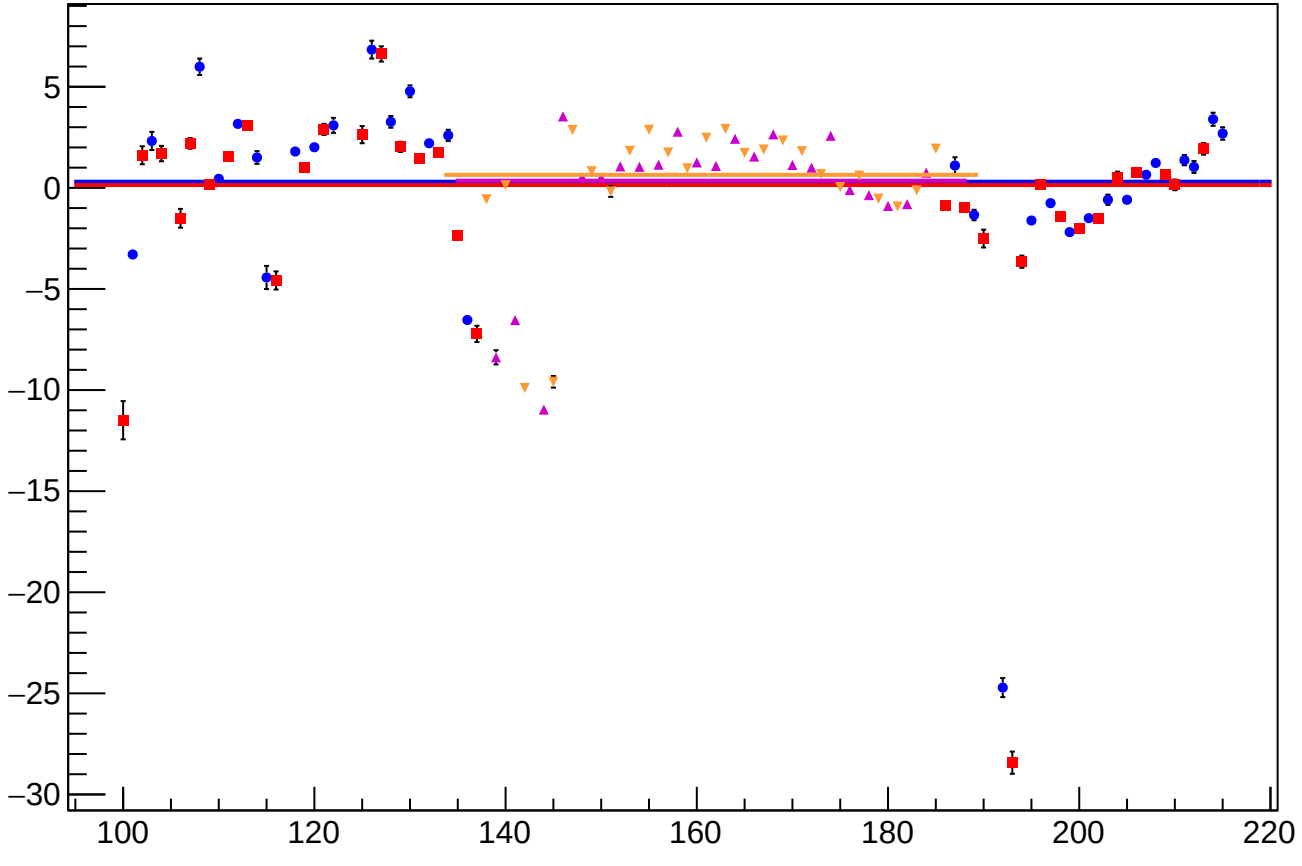
Right: 1.425+/-0.024 χ^2/NDF: 242009.9/62

In: 1.254+/-0.026 χ^2/NDF:255225.9/53

Out: 1.231+/-0.025 χ^2/NDF:250771.4/55

All: 1.242+/-0.018 χ^2/NDF: 505997.7/109

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.304+/-0.044 χ^2/NDF: 6178.9/30

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.139+/-0.043 χ^2/NDF: 5037.5/31

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

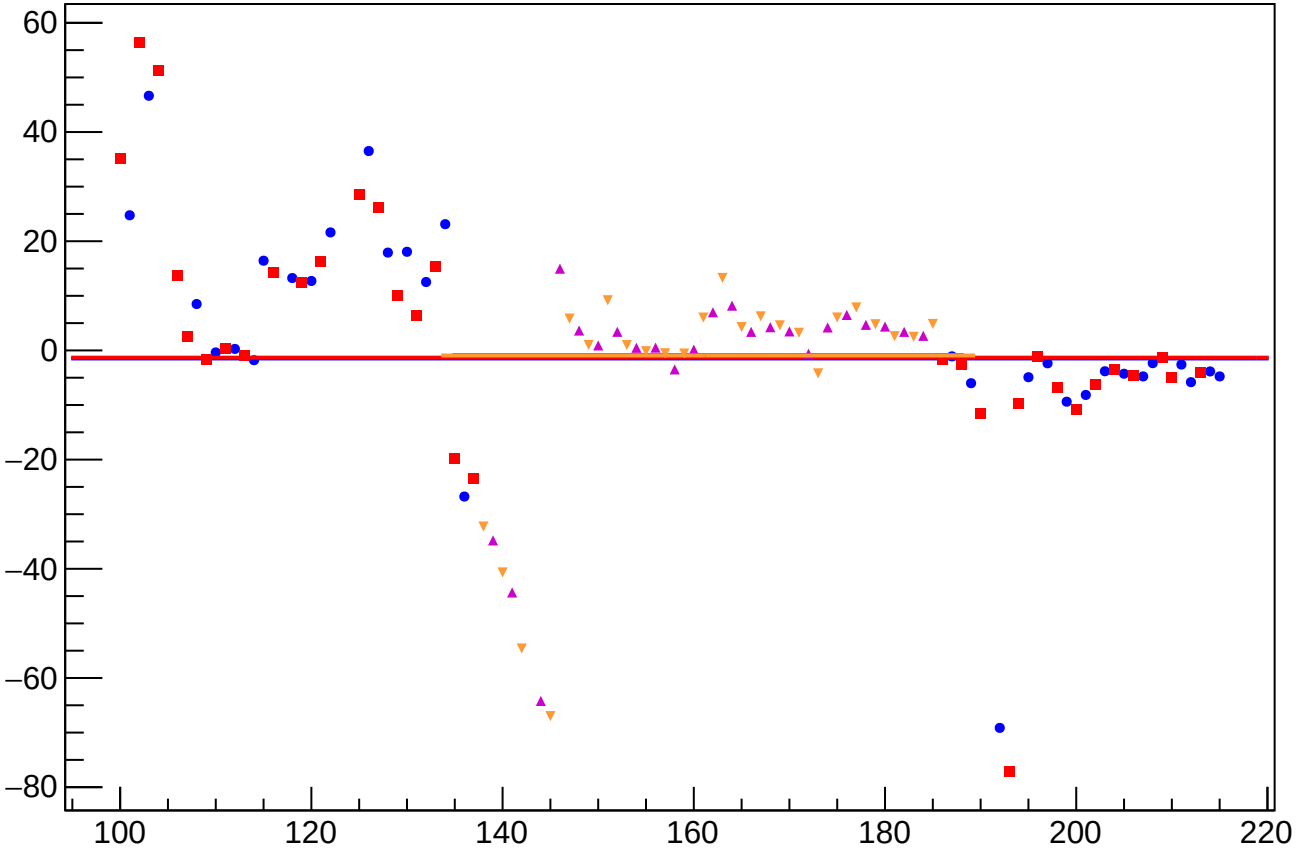
Right: 0.219+/-0.031 χ^2/NDF: 11223.5/62

In: 0.338+/-0.026 χ^2/NDF:13296.8/53

Out: 0.454+/-0.026 χ^2/NDF:9835.5/55

All: 0.394+/-0.018 χ^2/NDF: 23142.3/109

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.469+/-0.036 χ^2/NDF: 120530.4/30

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -1.329+/-0.034 χ^2/NDF: 117822.1/31

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

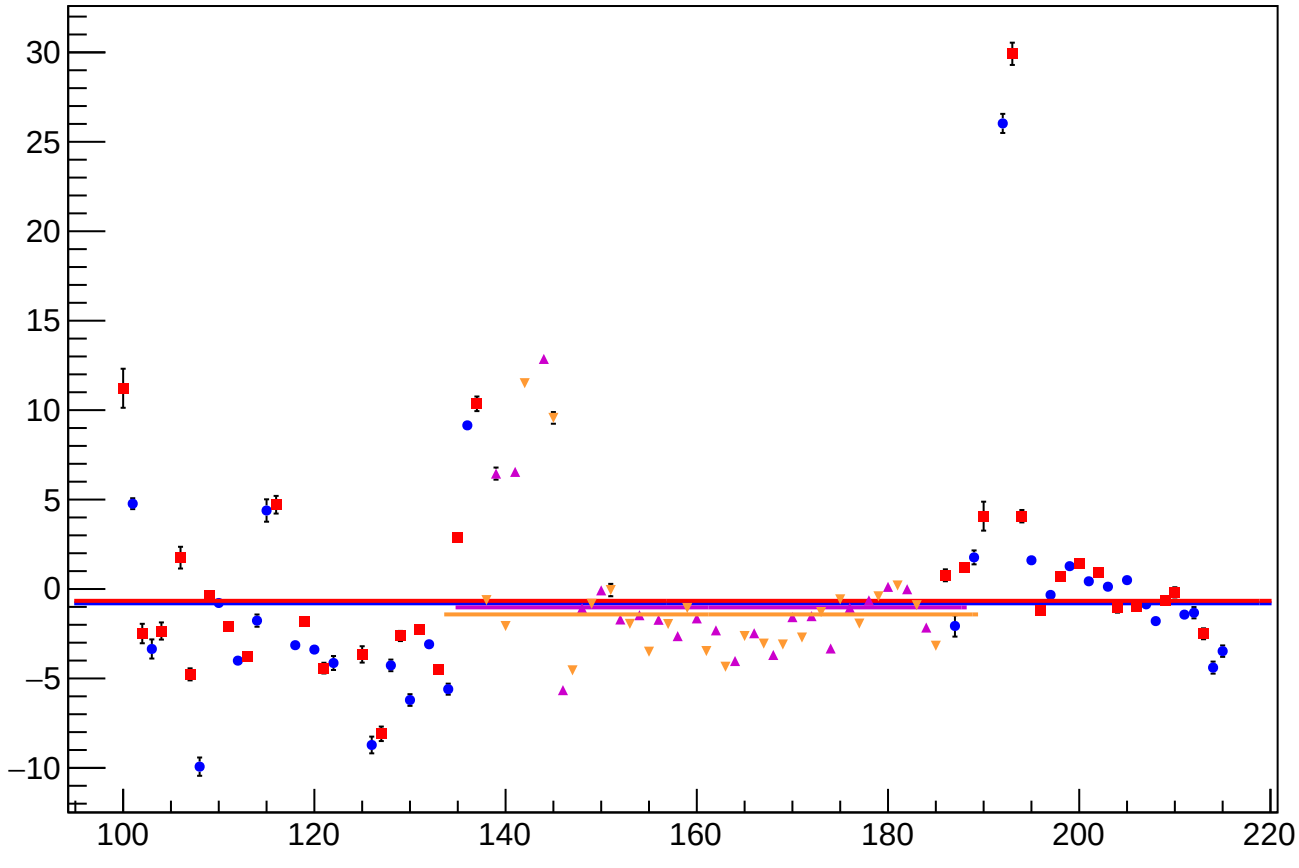
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -1.395+/-0.025 χ^2/NDF: 238360.4/62

In: -1.189+/-0.027 χ^2/NDF:250145.4/53

Out: -1.161+/-0.026 χ^2/NDF:244257.4/55

All: -1.175+/-0.019 χ^2/NDF: 494403.4/109



Right In: -0.800+/-0.051 χ^2/NDF: 7680.2/30

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.660+/-0.049 χ^2/NDF: 5545.1/31

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

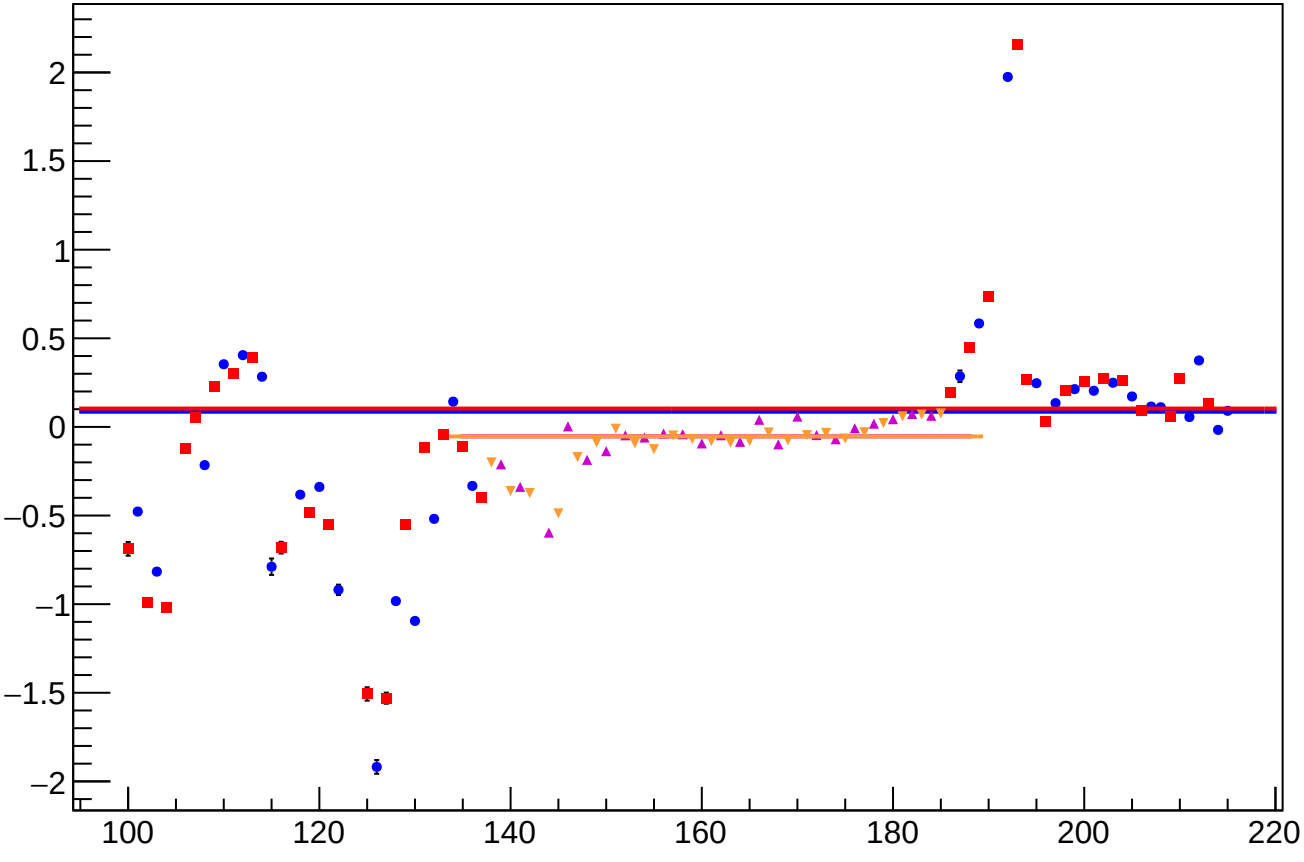
Right: -0.728+/-0.035 χ^2/NDF: 13229.2/62

In: -0.954+/-0.029 χ^2/NDF:14740.8/53

Out: -1.150+/-0.029 χ^2/NDF:10340.0/55

All: -1.049+/-0.021 χ^2/NDF: 25103.7/109

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.086+/-0.002 χ^2/NDF: 34783.0/30

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.104+/-0.002 χ^2/NDF: 34201.6/31

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

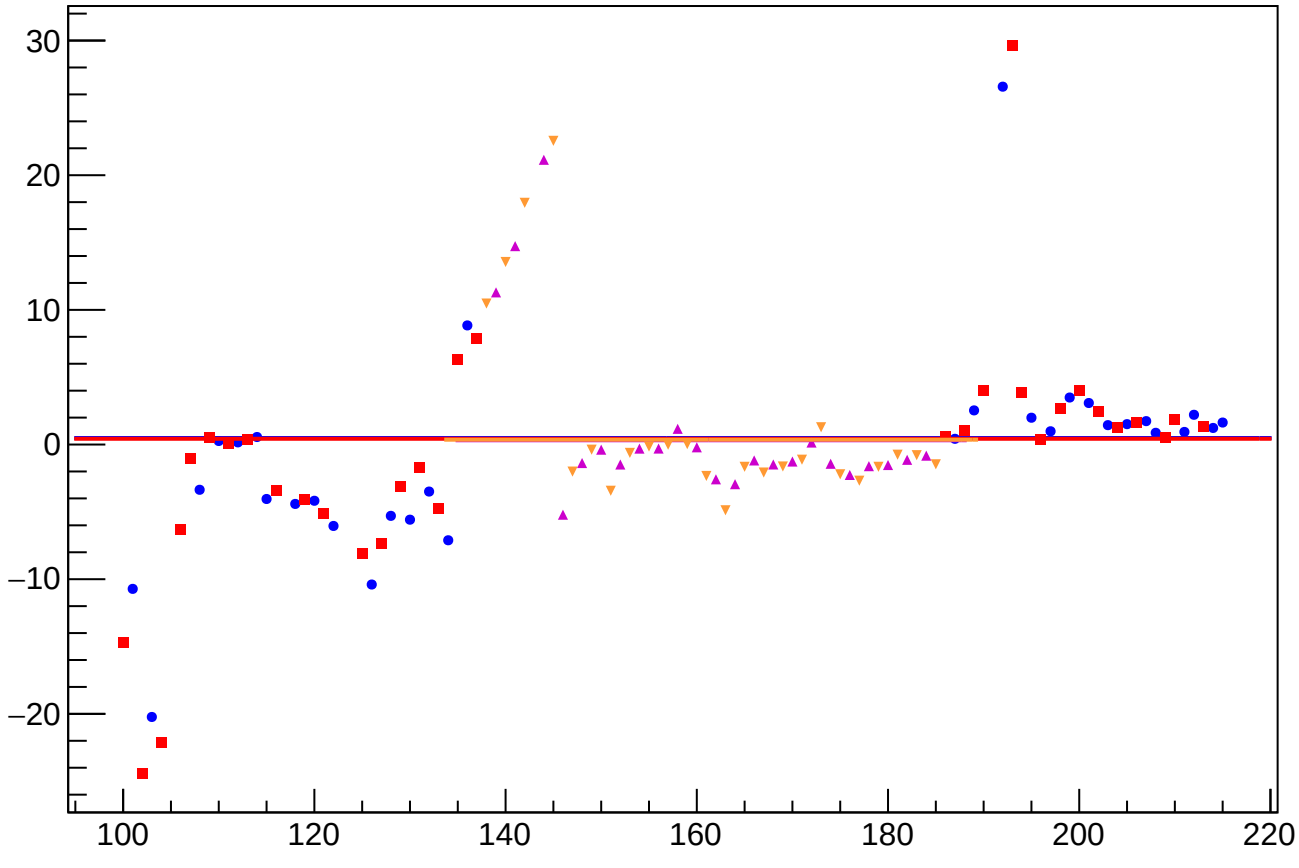
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: 0.095+/-0.002 χ^2/NDF: 69016.2/62

In: -0.011+/-0.001 χ^2/NDF:42413.6/53

Out: -0.001+/-0.001 χ^2/NDF:41798.1/55

All: -0.006+/-0.001 χ^2/NDF: 84244.1/109



Right In: 0.484+/-0.012 χ^2/NDF: 120168.5/30

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.429+/-0.011 χ^2/NDF: 117808.1/31

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

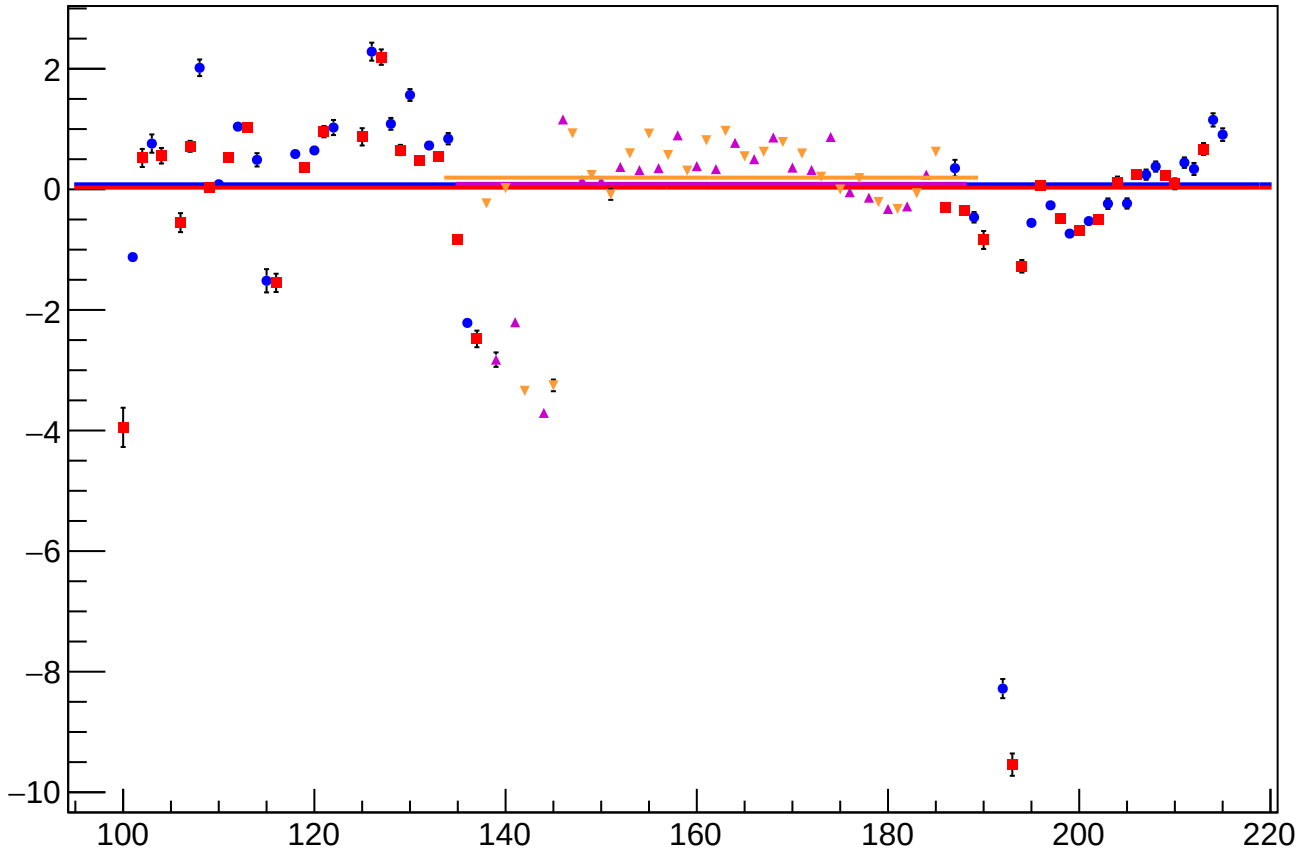
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.455+/-0.008 χ^2/NDF: 237987.7/62

In: 0.411+/-0.009 χ^2/NDF:250476.7/53

Out: 0.401+/-0.009 χ^2/NDF:246653.2/55

All: 0.406+/-0.006 χ^2/NDF: 497130.6/109



Right In: 0.083+/-0.015 χ^2/NDF: 6056.3/30

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.029+/-0.015 χ^2/NDF: 4949.0/31

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

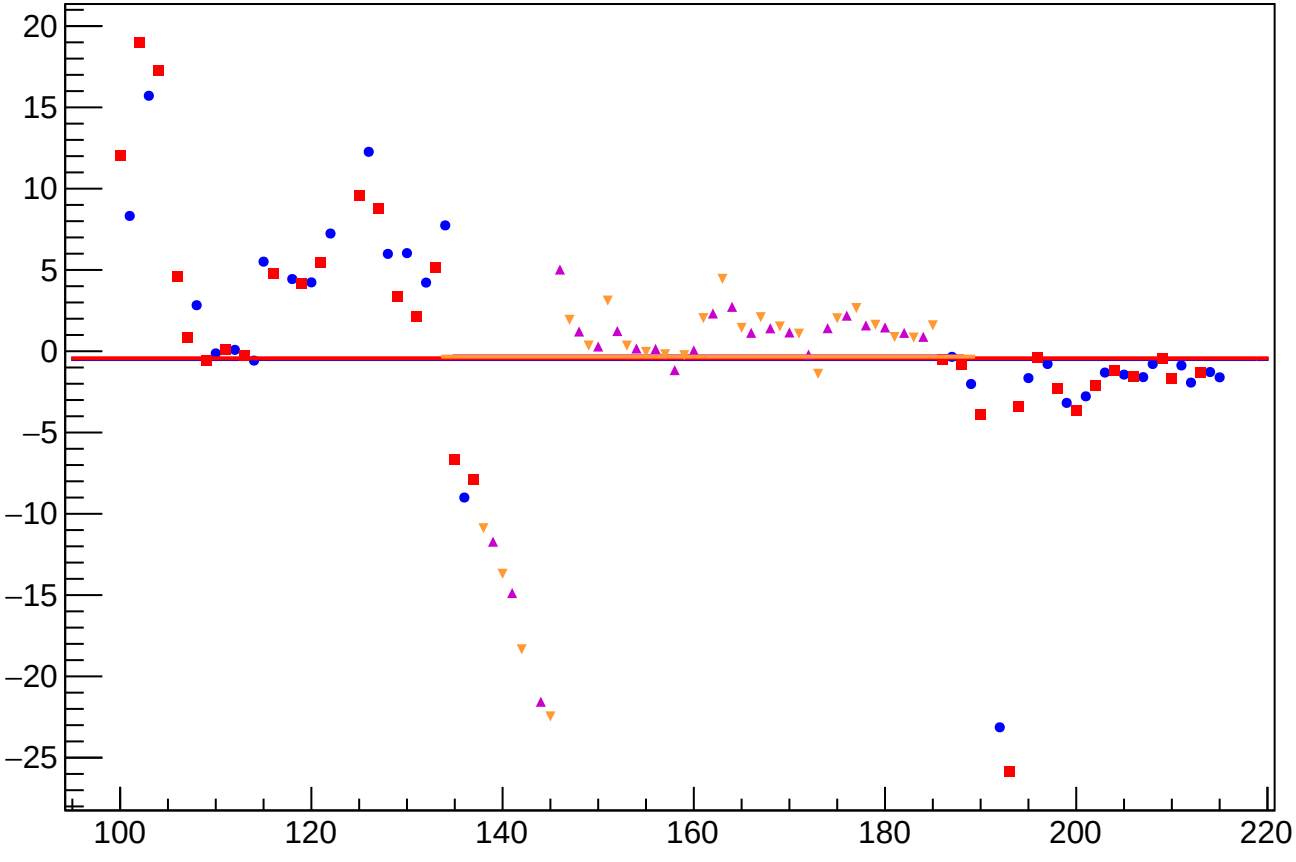
Right: 0.055+/-0.011 χ^2/NDF: 11012.0/62

In: 0.089+/-0.009 χ^2/NDF:12992.9/53

Out: 0.132+/-0.009 χ^2/NDF:9674.1/55

All: 0.110+/-0.006 χ^2/NDF: 22679.1/109

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.480+/-0.012 χ^2/NDF: 118469.5/30

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.435+/-0.012 χ^2/NDF: 115992.6/31

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

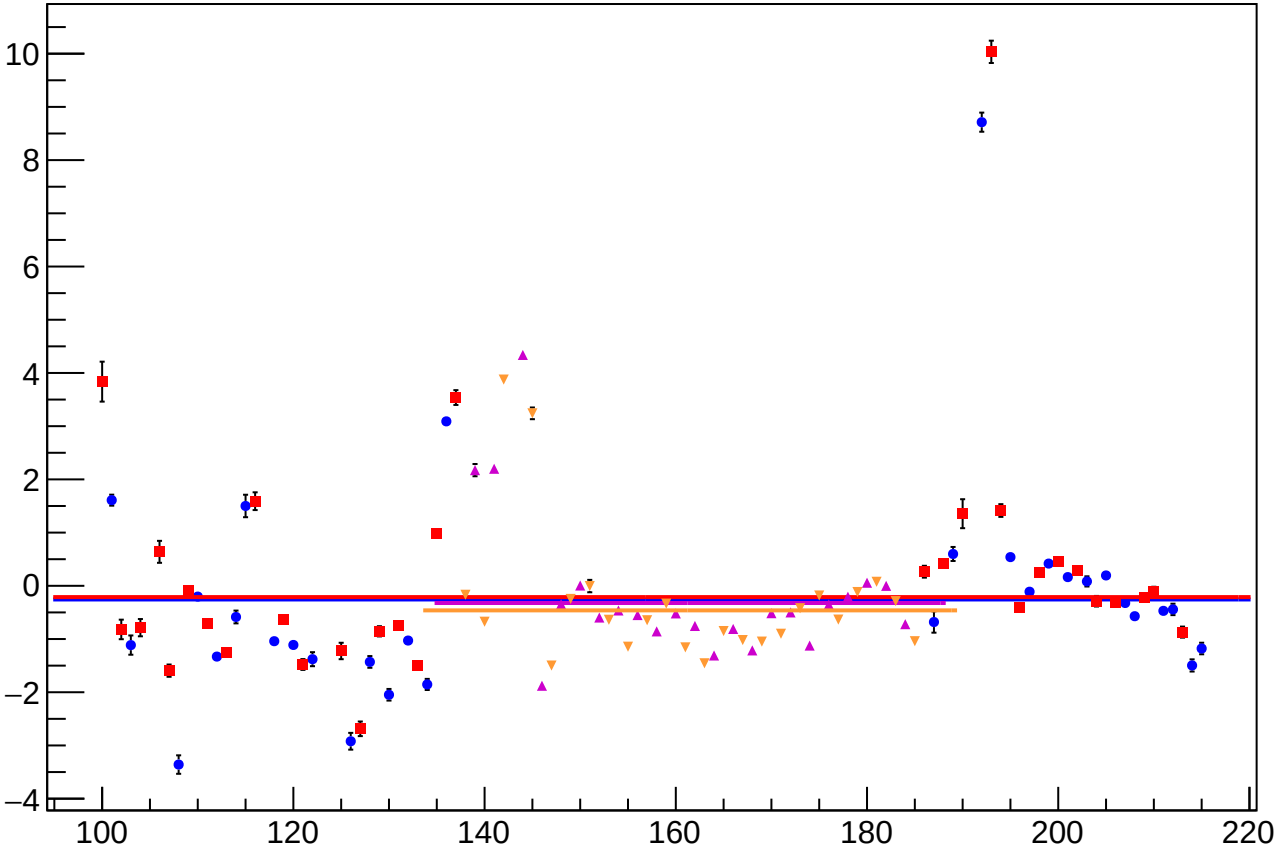
Right: -0.457+/-0.009 χ^2/NDF: 234469.2/62

In: -0.404+/-0.009 χ^2/NDF:245551.8/53

Out: -0.392+/-0.009 χ^2/NDF:240257.7/55

All: -0.398+/-0.006 χ^2/NDF: 485810.4/109

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.257+/-0.017 χ^2/NDF: 7528.9/30

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.212+/-0.017 χ^2/NDF: 5451.3/31

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

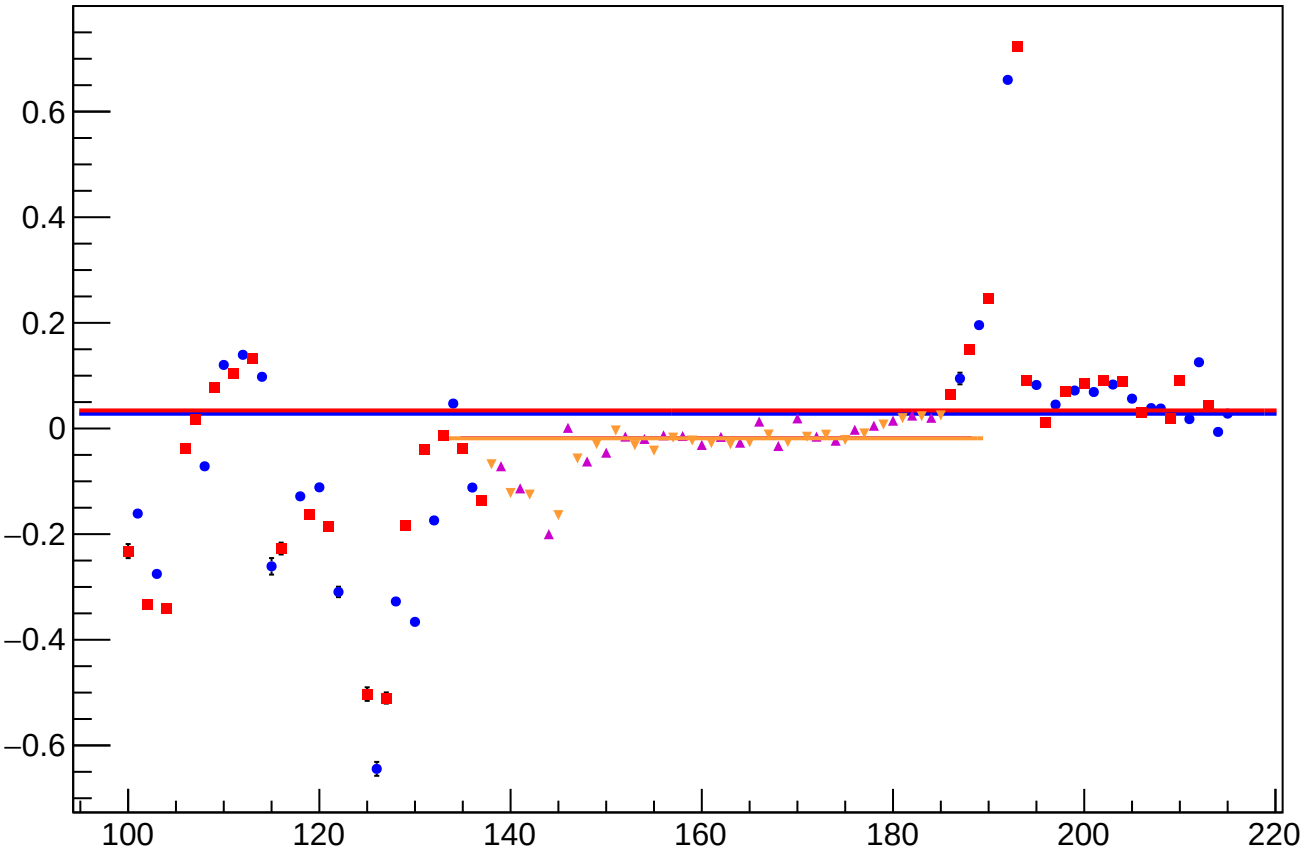
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.234+/-0.012 χ^2/NDF: 12983.6/62

In: -0.302+/-0.010 χ^2/NDF:14420.6/53

Out: -0.374+/-0.010 χ^2/NDF:10171.4/55

All: -0.337+/-0.007 χ^2/NDF: 24618.0/109



Right In: 0.028+/-0.001 χ^2/NDF: 34191.1/30

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.034+/-0.001 χ^2/NDF: 33569.2/31

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

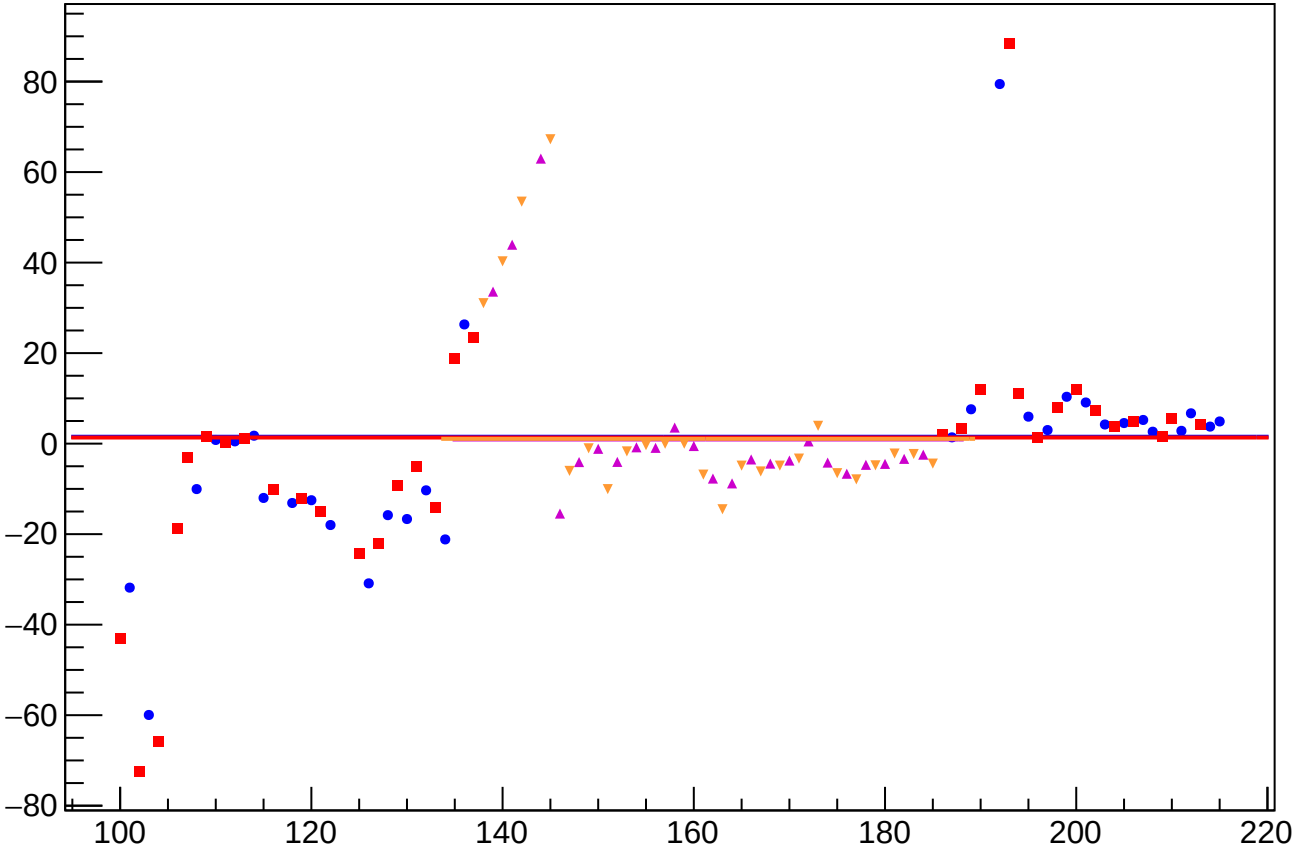
Right: 0.031+/-0.001 χ^2/NDF: 67792.5/62

In: -0.004+/-0.000 χ^2/NDF:41506.8/53

Out: -0.001+/-0.000 χ^2/NDF:40903.9/55

All: -0.003+/-0.000 χ^2/NDF: 82436.5/109

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.522+/-0.035 χ^2/NDF: 122312.8/30

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 1.350+/-0.033 χ^2/NDF: 119733.6/31

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

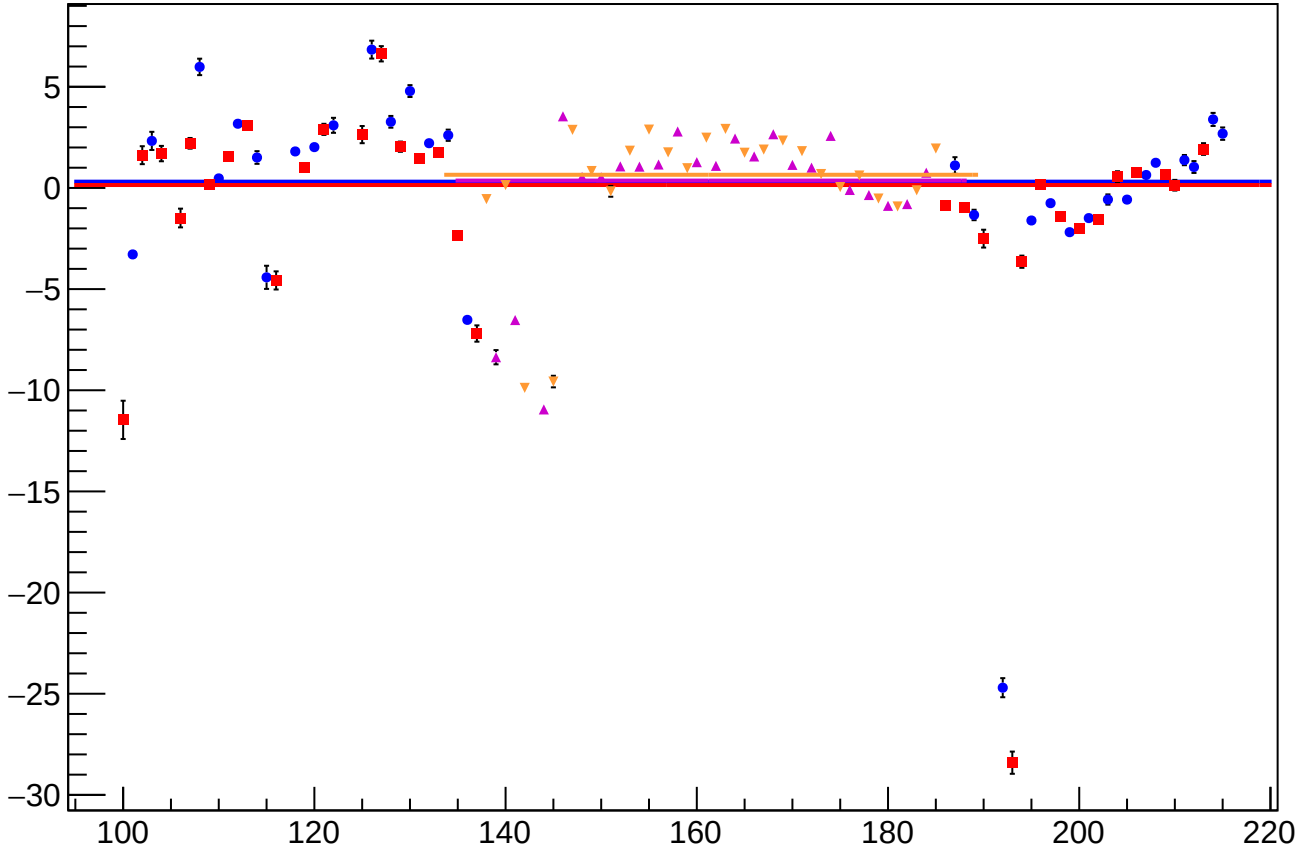
Right: 1.430+/-0.024 χ^2/NDF: 242059.3/62

In: 1.259+/-0.026 χ^2/NDF:255260.5/53

Out: 1.235+/-0.025 χ^2/NDF:250775.7/55

All: 1.247+/-0.018 χ^2/NDF: 506036.6/109

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.311+/-0.044 χ^2/NDF: 6181.4/30

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.145+/-0.043 χ^2/NDF: 5038.5/31

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

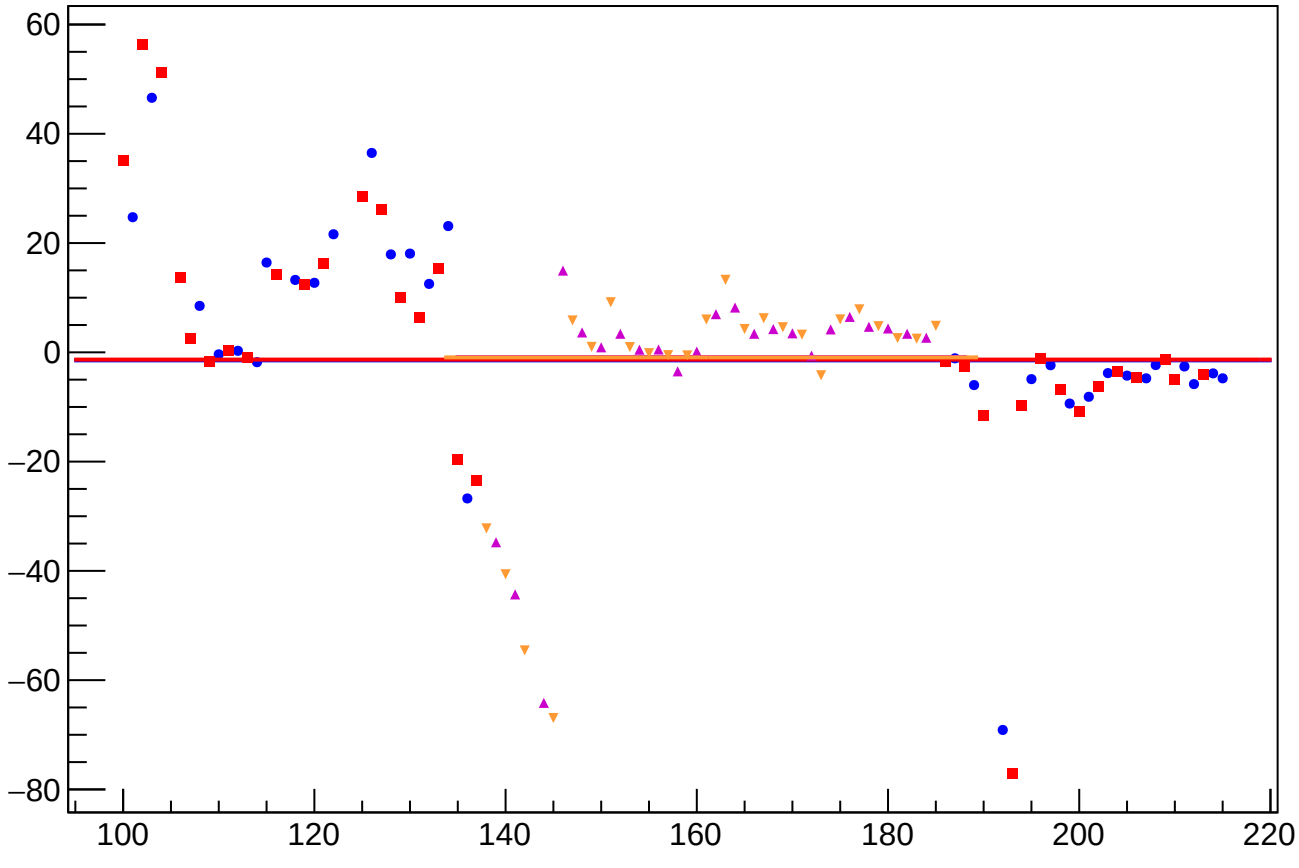
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.225+/-0.031 χ^2/NDF: 11227.2/62

In: 0.346+/-0.026 χ^2/NDF:13304.8/53

Out: 0.461+/-0.026 χ^2/NDF:9835.2/55

All: 0.402+/-0.018 χ^2/NDF: 23149.7/109



Right In: -1.469+/-0.036 χ^2/NDF: 120551.3/30

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -1.329+/-0.034 χ^2/NDF: 117841.0/31

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

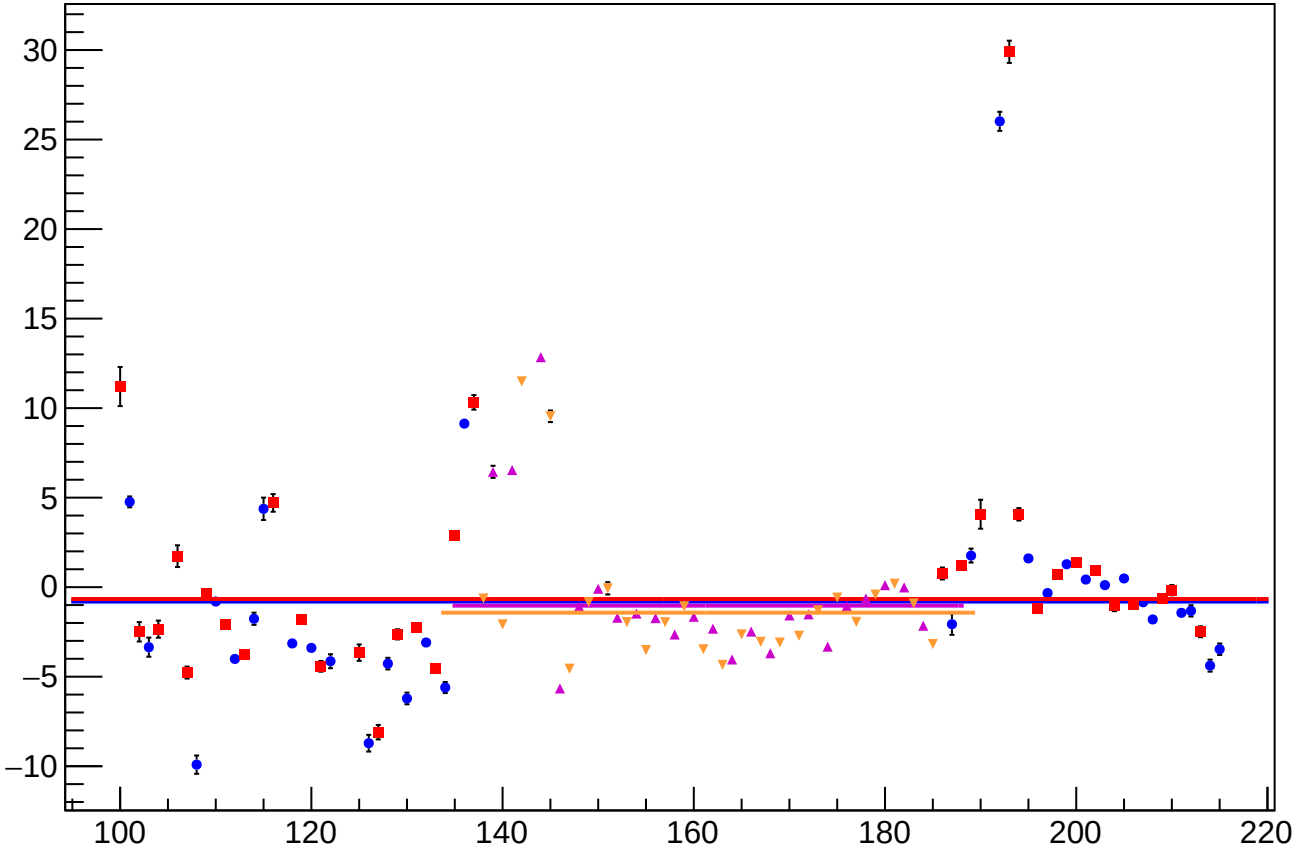
Right: -1.395+/-0.025 χ^2/NDF: 238400.2/62

In: -1.188+/-0.027 χ^2/NDF:250173.7/53

Out: -1.161+/-0.026 χ^2/NDF:244258.3/55

All: -1.174+/-0.019 χ^2/NDF: 494432.5/109

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.804+/-0.051 χ^2/NDF: 7681.8/30

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.663+/-0.049 χ^2/NDF: 5545.0/31

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

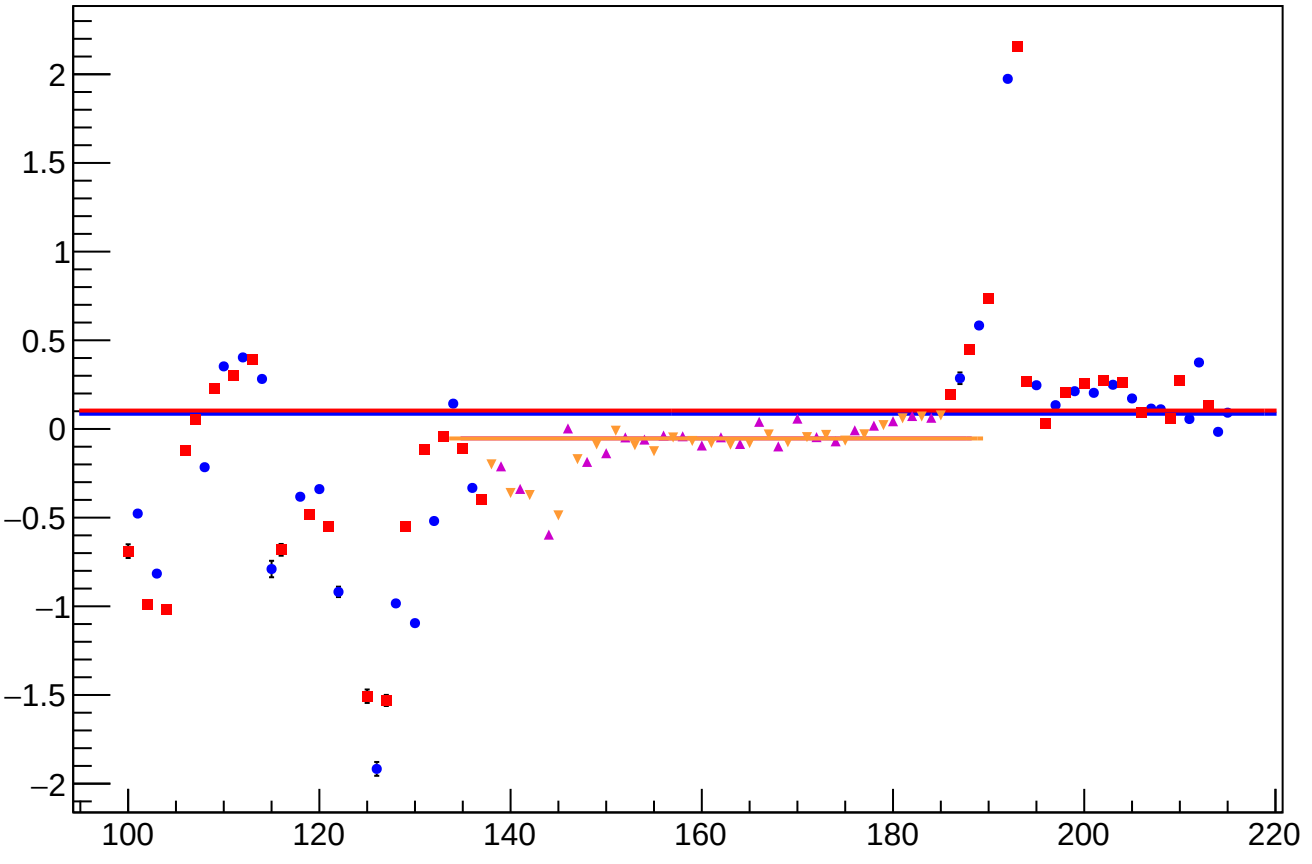
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.731+/-0.035 χ^2/NDF: 13230.8/62

In: -0.959+/-0.029 χ^2/NDF:14746.9/53

Out: -1.154+/-0.029 χ^2/NDF:10338.6/55

All: -1.054+/-0.020 χ^2/NDF: 25108.0/109



Right In: 0.086+/-0.002 χ^2/NDF: 34792.0/30

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.104+/-0.002 χ^2/NDF: 34216.8/31

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

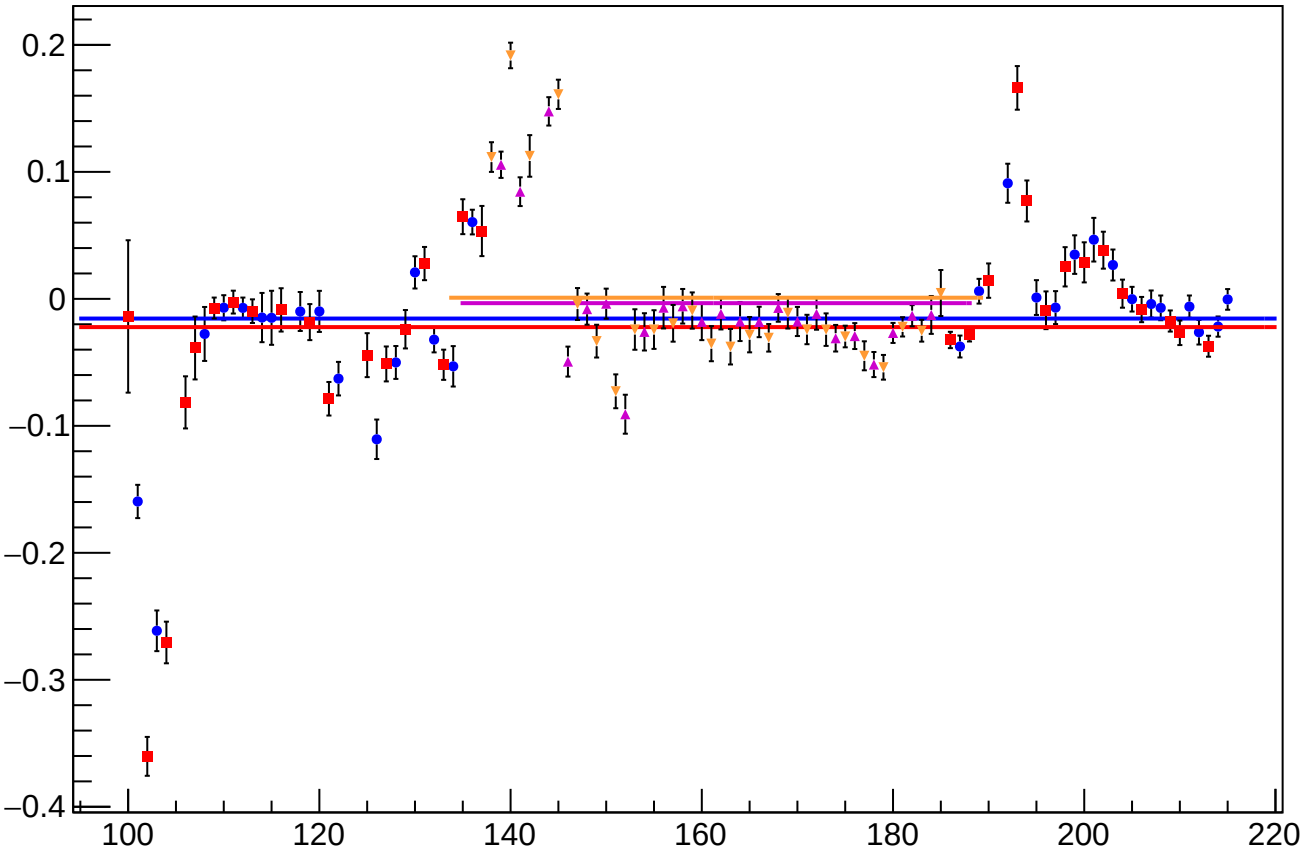
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.095+/-0.002 χ^2/NDF: 69040.3/62

In: -0.011+/-0.001 χ^2/NDF:42431.8/53

Out: -0.001+/-0.001 χ^2/NDF:41816.7/55

All: -0.006+/-0.001 χ^2/NDF: 84281.3/109



Right In: -0.016+/-0.002 χ^2/NDF: 602.1/30

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.022+/-0.002 χ^2/NDF: 1054.6/31

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

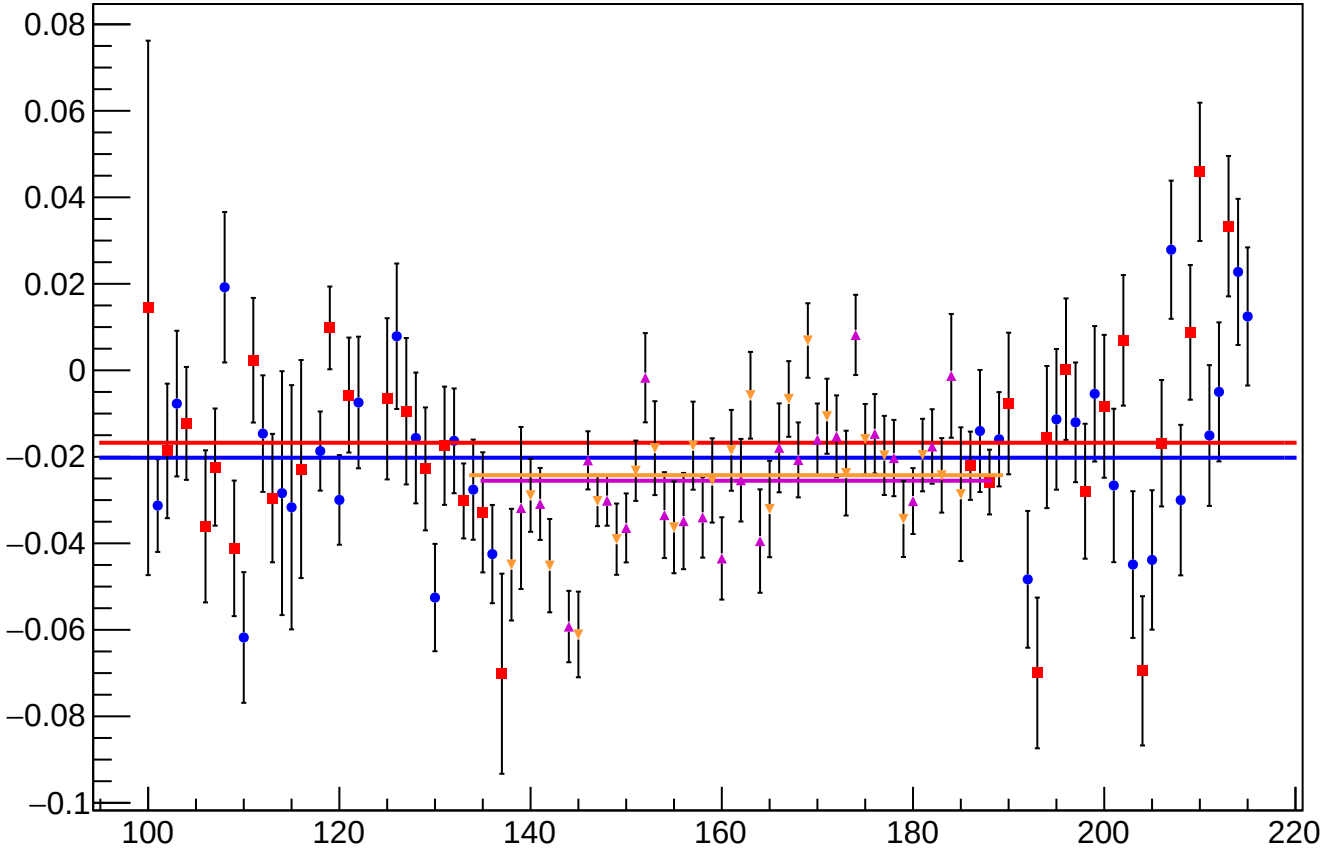
Right: -0.019+/-0.001 χ^2/NDF: 1662.2/62

In: -0.010+/-0.002 χ^2/NDF:1074.7/53

Out: -0.013+/-0.002 χ^2/NDF:1959.0/55

All: -0.012+/-0.001 χ^2/NDF: 3034.8/109

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.020+/-0.003 χ^2/NDF: 60.8/30

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.017+/-0.002 χ^2/NDF: 77.7/31

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

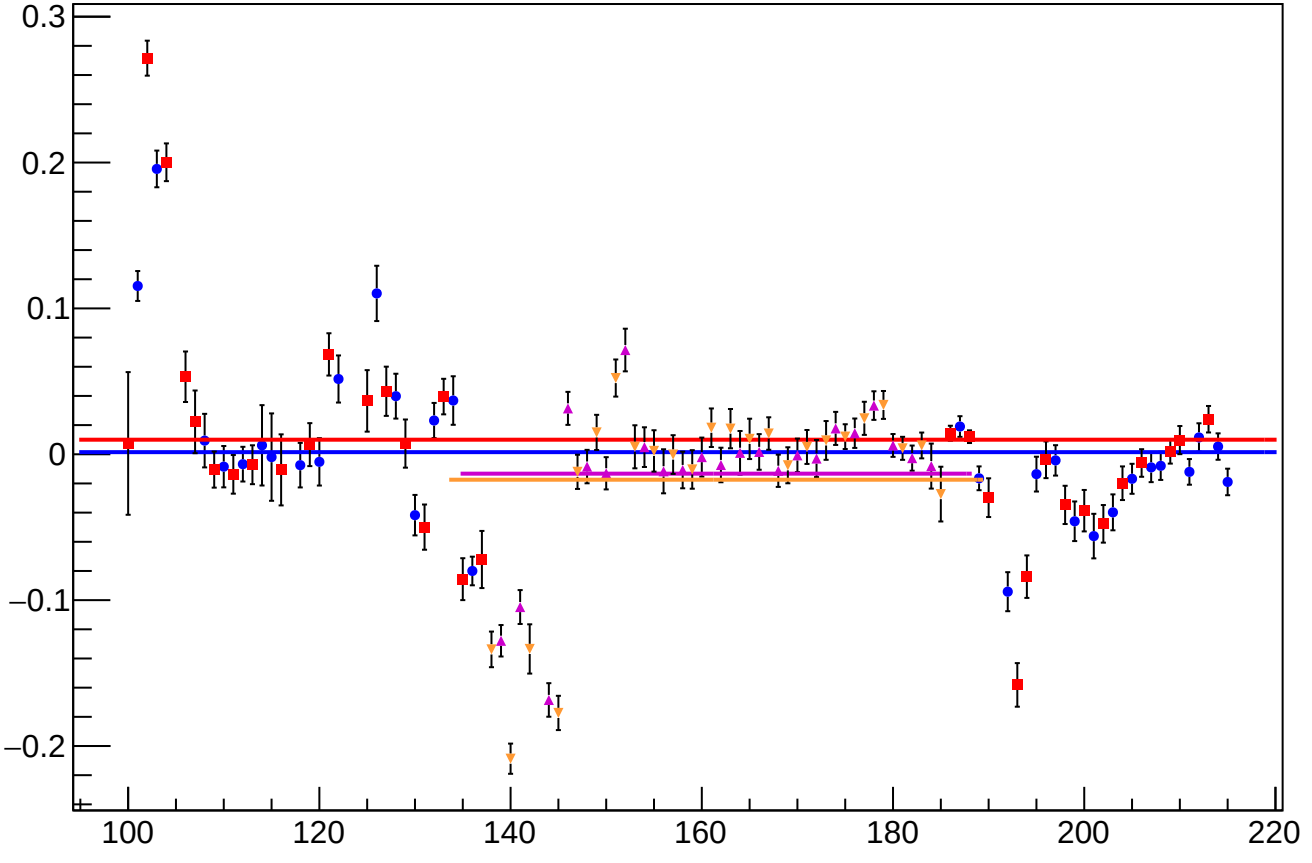
Right: -0.018+/-0.002 χ^2/NDF: 139.5/62

In: -0.024+/-0.002 χ^2/NDF:118.7/53

Out: -0.022+/-0.001 χ^2/NDF:137.4/55

All: -0.023+/-0.001 χ^2/NDF: 257.2/109

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.001+/-0.002 χ^2/NDF: 614.2/30

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.010+/-0.002 χ^2/NDF: 1046.4/31

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

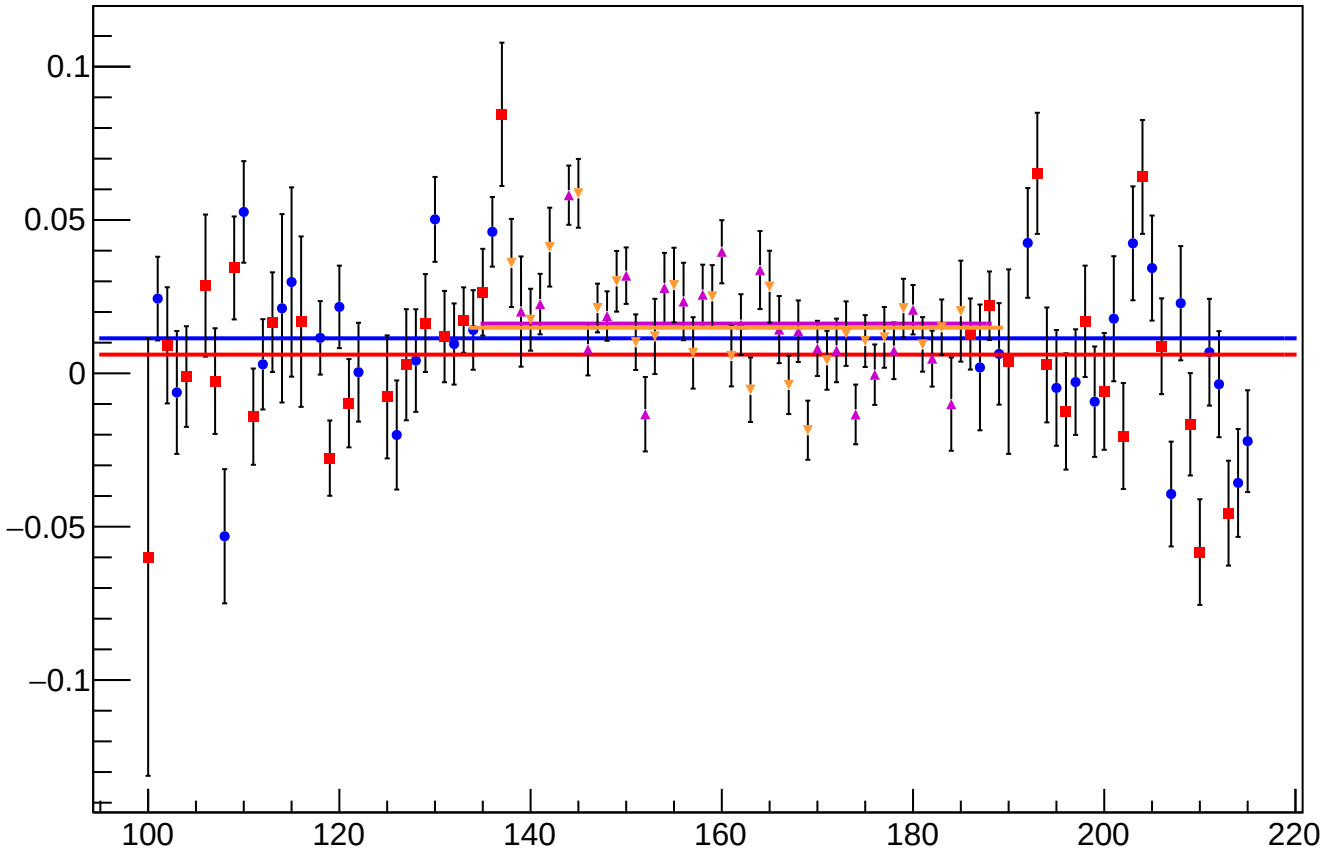
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.006+/-0.001 χ^2/NDF: 1669.5/62

In: -0.005+/-0.002 χ^2/NDF:1094.4/53

Out: -0.001+/-0.002 χ^2/NDF:1937.6/55

All: -0.003+/-0.001 χ^2/NDF: 3035.2/109



Right In: 0.011+/-0.003 χ^2/NDF: 71.0/30

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

Right Out: 0.006+/-0.003 χ^2/NDF: 81.8/31

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

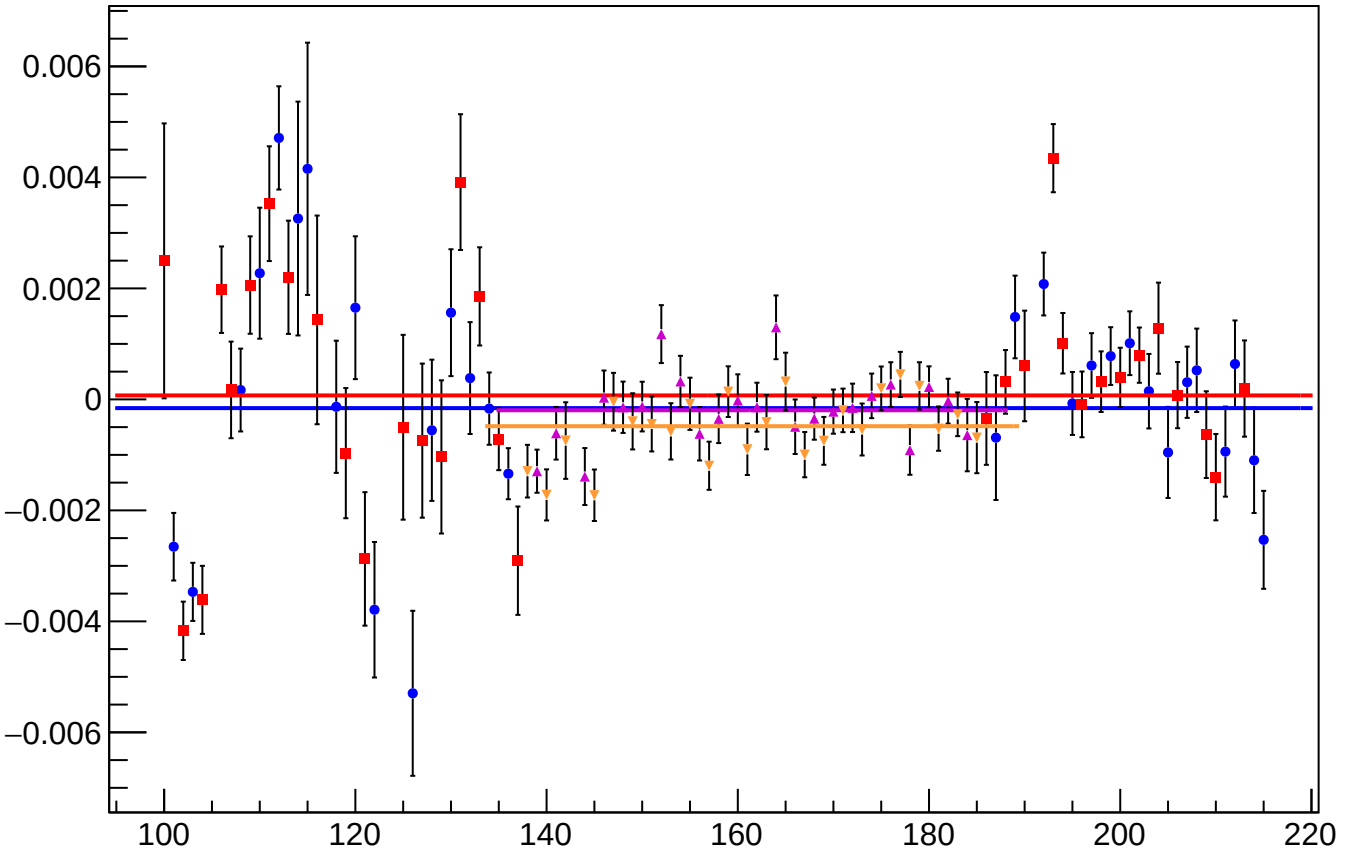
Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

Right: 0.009+/-0.002 χ^2/NDF: 154.4/62

In: 0.015+/-0.002 χ^2/NDF:130.8/53

Out: 0.012+/-0.002 χ^2/NDF:139.7/55

All: 0.013+/-0.001 χ^2/NDF: 271.8/109



Right In: -0.000+/-0.000 χ^2/NDF: 169.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 224.0/31

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

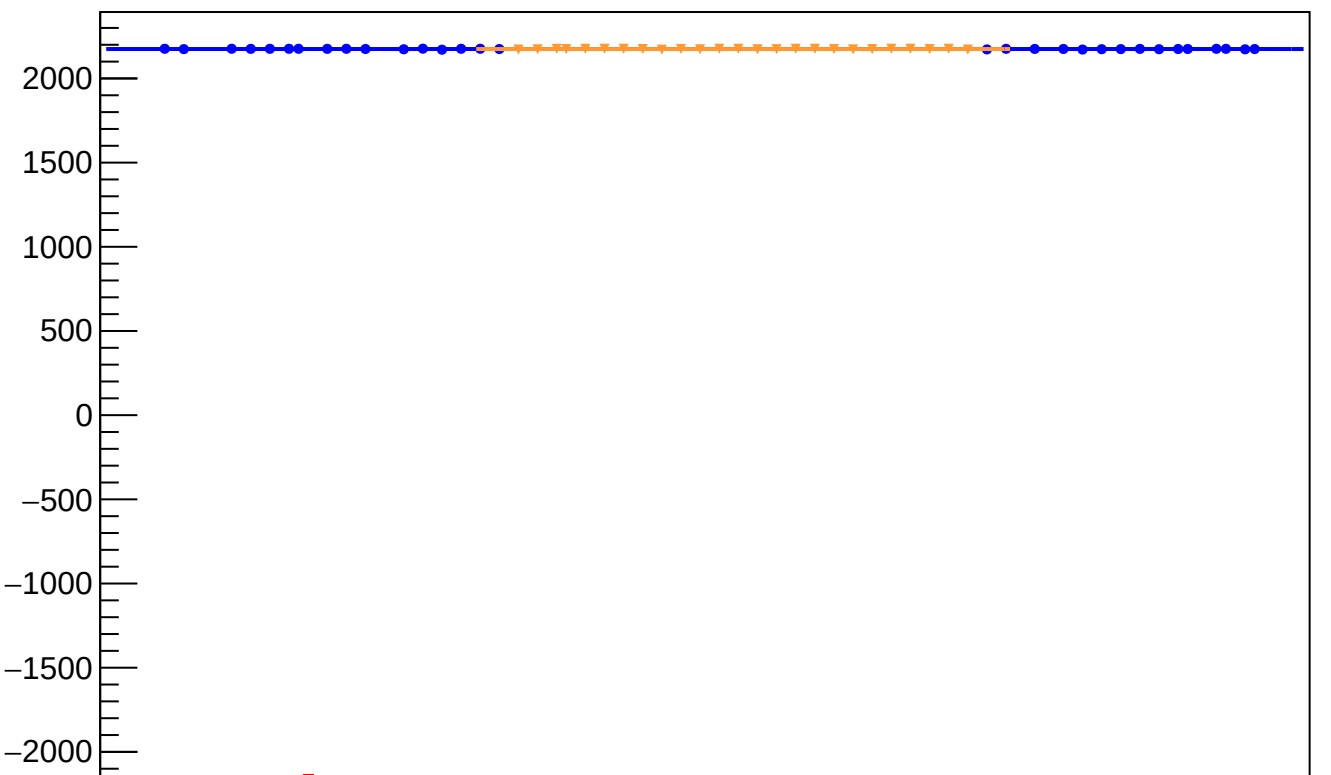
Right: -0.000+/-0.000 χ^2/NDF: 394.8/62

In: -0.000+/-0.000 χ^2/NDF:206.7/53

Out: -0.000+/-0.000 χ^2/NDF:276.3/55

All: -0.000+/-0.000 χ^2/NDF: 484.2/109

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.776+/-0.000 χ^2/NDF: 3676148465387539705080628027326464.0/30

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517712.0/24

Right Out: -2174.376+/-0.000 χ^2/NDF: 10208363710973137032566068880605184.0/33

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520.0/22

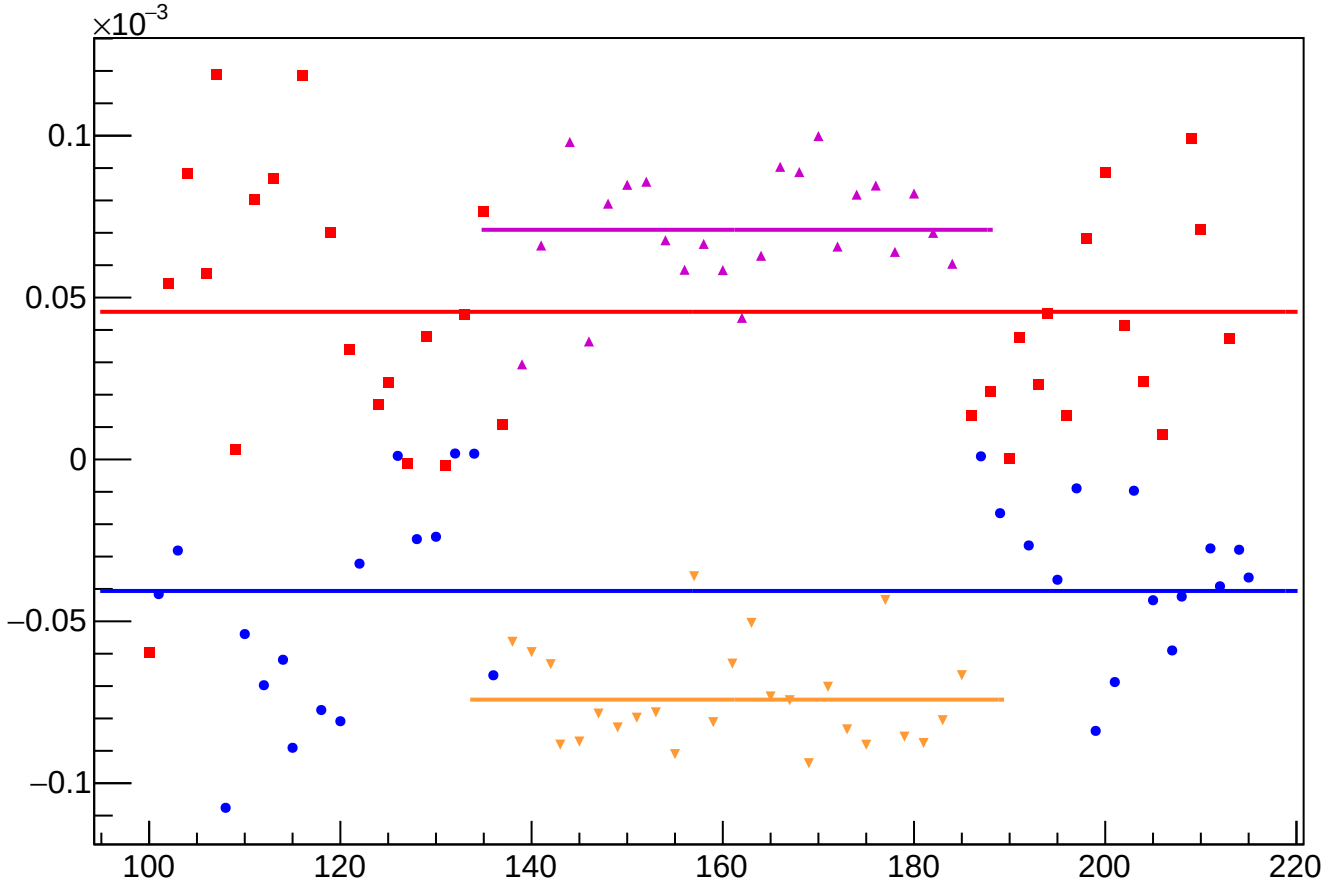
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: 13.480+/-0.000 χ^2/NDF: 1858343319988396

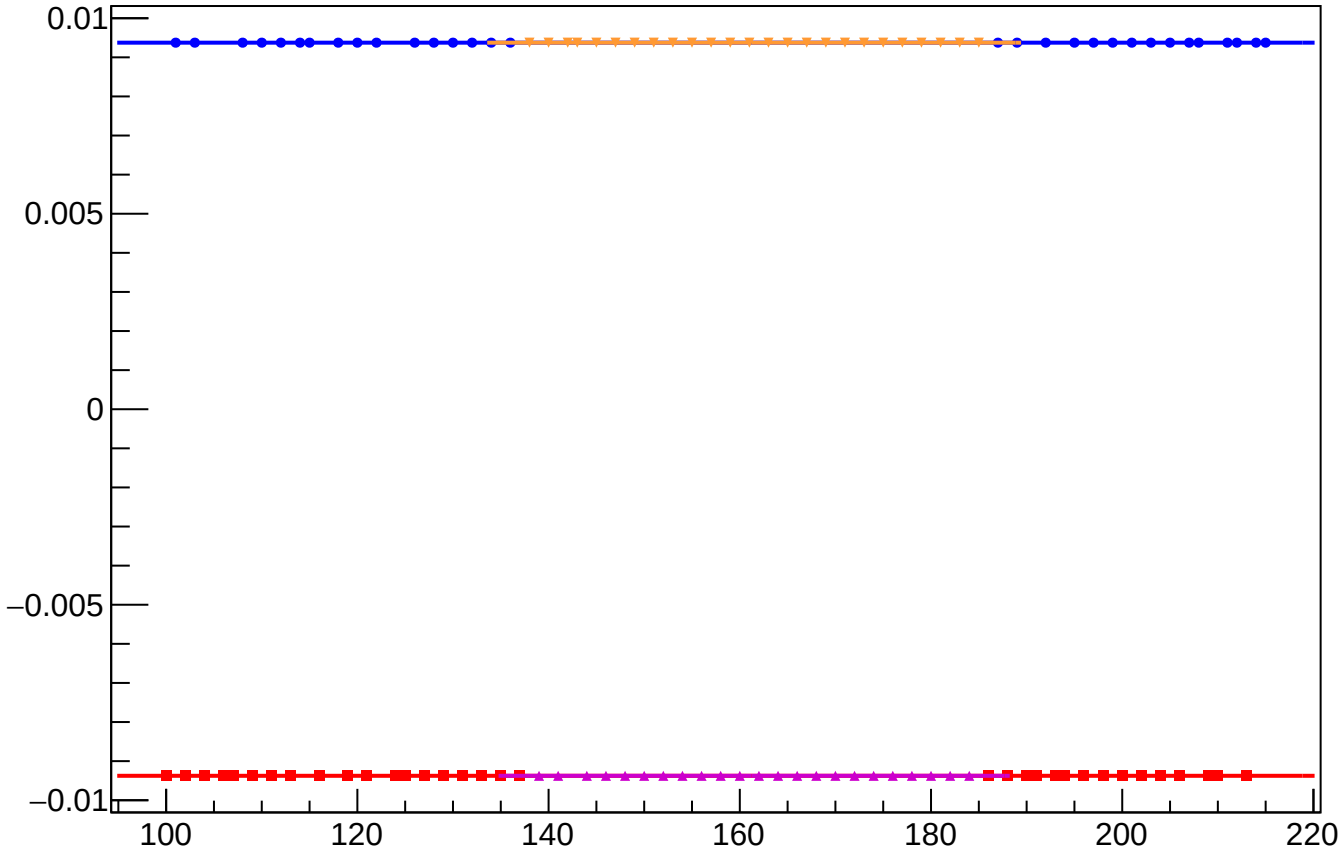
In: 39.865+/-0.000 χ^2/NDF:183573873242924179

Out: 35.727+/-0.000 χ^2/NDF:18771822078255304

All: 37.773+/-0.000 χ^2/NDF: 3712924302415


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: 1286425849379904838172672.0/30
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 20539979351223743125913600/33
Left In: 0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
Left: -0.000+/-0.000 χ²/NDF: 21745673800575022
Right: 0.000+/-0.000 χ²/NDF: 10644103800421018
In: 0.000+/-0.000 χ²/NDF:139935376985467252
Out: -0.000+/-0.000 χ²/NDF:16767074640816024
All: -0.000+/-0.000 χ²/NDF: 3245871098549

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/33

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

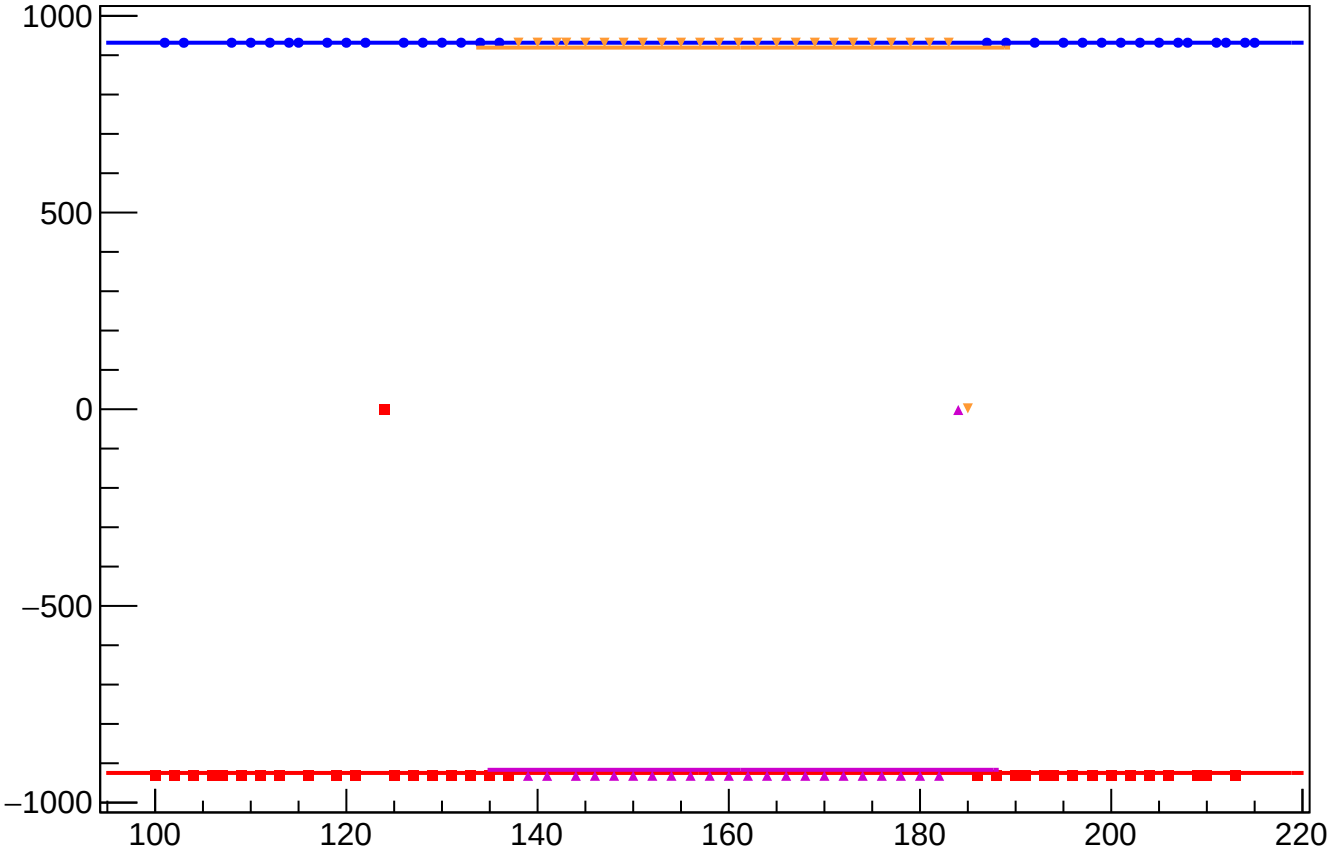
Right: 0.000+/-0.000 χ^2/NDF: 34539727457060977

In: 0.000+/-0.000 χ^2/NDF:341165195242079875

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: 0.000+/-0.000 χ^2/NDF: 69008598823051

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.771+/-0.000 χ^2/NDF: 503947838130076602032919989452 8.0/30

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -924.622+/-0.000 χ^2/NDF: 1292226813844385539688097512272429 0560.0/33

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

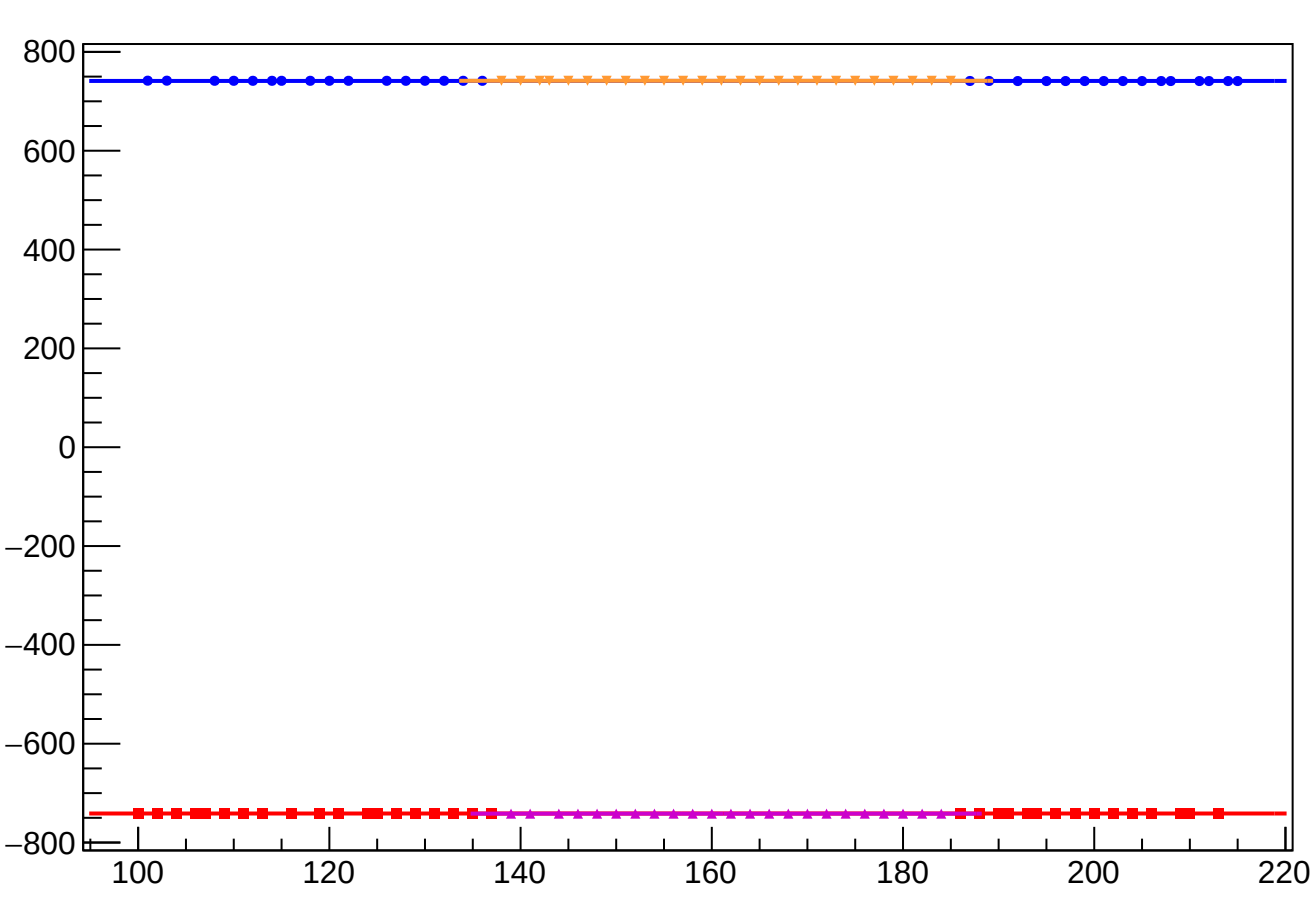
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

Right: 9.243+/-0.000 χ^2/NDF: 339684069170266 8

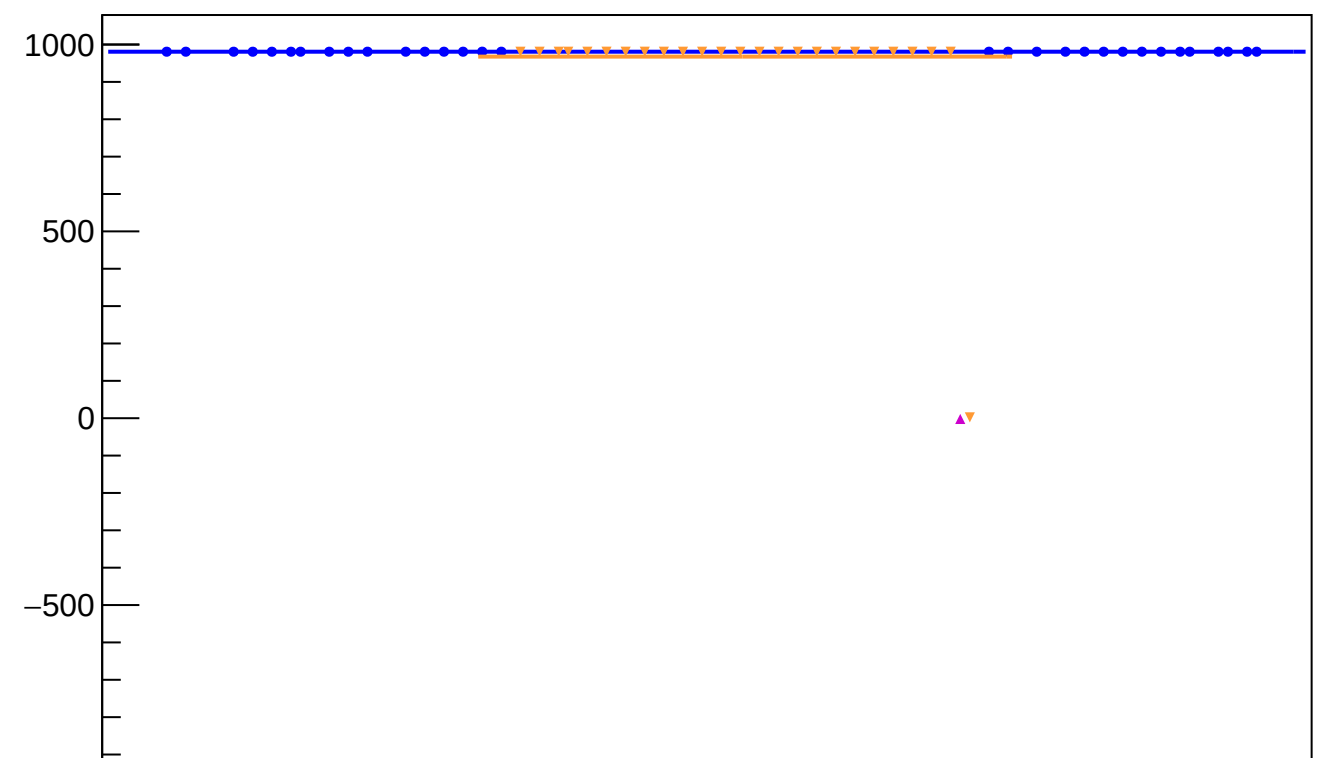
In: 24.458+/-0.000 χ^2/NDF:334199943430408076

Out: 12.454+/-0.000 χ^2/NDF:341061154091402 70

All: 18.389+/-0.000 χ^2/NDF: 675289383865 9


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
220
Right In: 741.234+/-0.000 χ²/NDF: 14050274691511190351474061633126 4.0/30
Left Out: 741.513+/-0.000 χ²/NDF:2519763107681262962318896005 12.0/24
Right Out: -741.253+/-0.000 χ²/NDF: 14139317929638977581820596872 8064.0/33
Left In: -741.513+/-0.000 χ²/NDF:2347039830300854231858958827 52.0/22
Left: 21.165+/-0.000 χ²/NDF: 21558191183425632
Right: 4.517+/-0.000 χ²/NDF: 2159228427979153 2
In: 13.417+/-0.000 χ²/NDF:213351728484163643
Out: 12.265+/-0.000 χ²/NDF:218207183065812 52
All: 12.834+/-0.000 χ²/NDF: 4315591718615

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.803+/-0.000 χ^2/NDF: 19525361006193972935338166845440/30

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.779+/-0.000 χ^2/NDF: 6342652922149292448902870466560 0.0/33

Left In: -964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501657 6.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

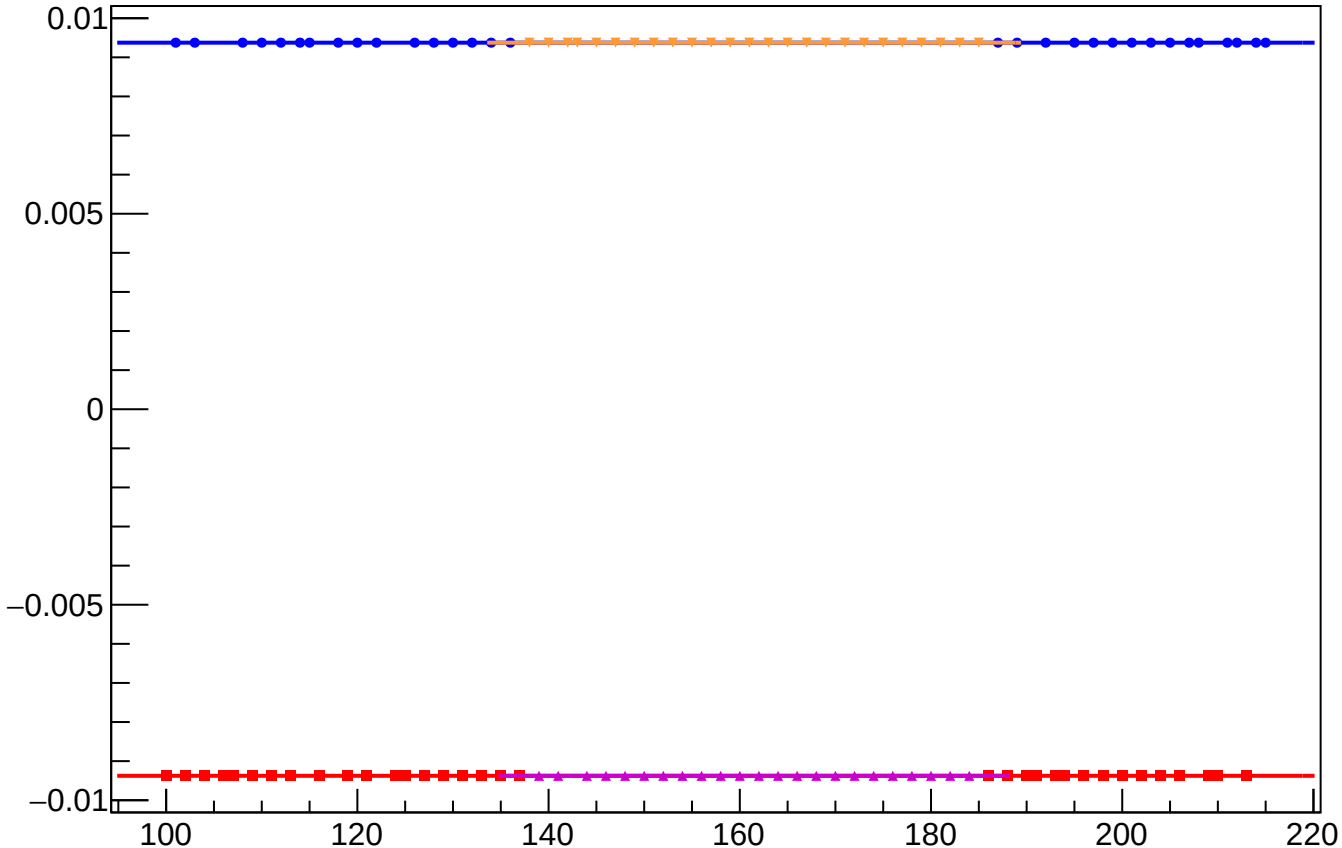
Right: 6.001+/-0.000 χ^2/NDF: 37803269959749528

In: 25.762+/-0.000 χ^2/NDF:37028389916573474 5

Out: 9.395+/-0.000 χ^2/NDF:37934521828375040 0

All: 17.487+/-0.000 χ^2/NDF: 7496817082409

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/33

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

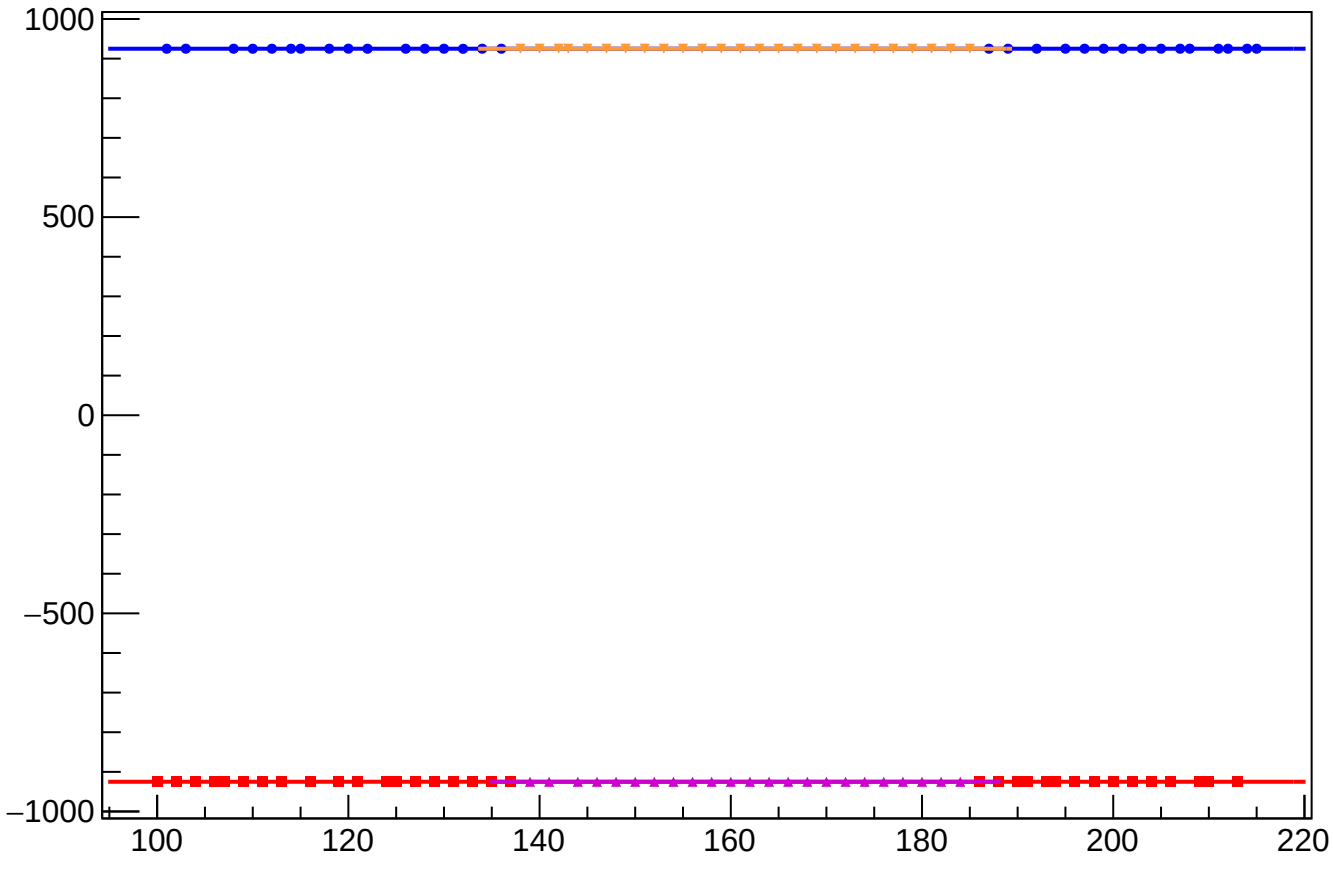
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: 0.000+/-0.000 χ^2/NDF: 34539727457060977

In: 0.000+/-0.000 χ^2/NDF:341165195242079875

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: 0.000+/-0.000 χ^2/NDF: 69008598823051



Right In: 924.996+/-0.000 χ^2/NDF: 377245684445965667545023879577 6.0/30

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.996+/-0.000 χ^2/NDF: 19854411443177646692396192235 52.0/33

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

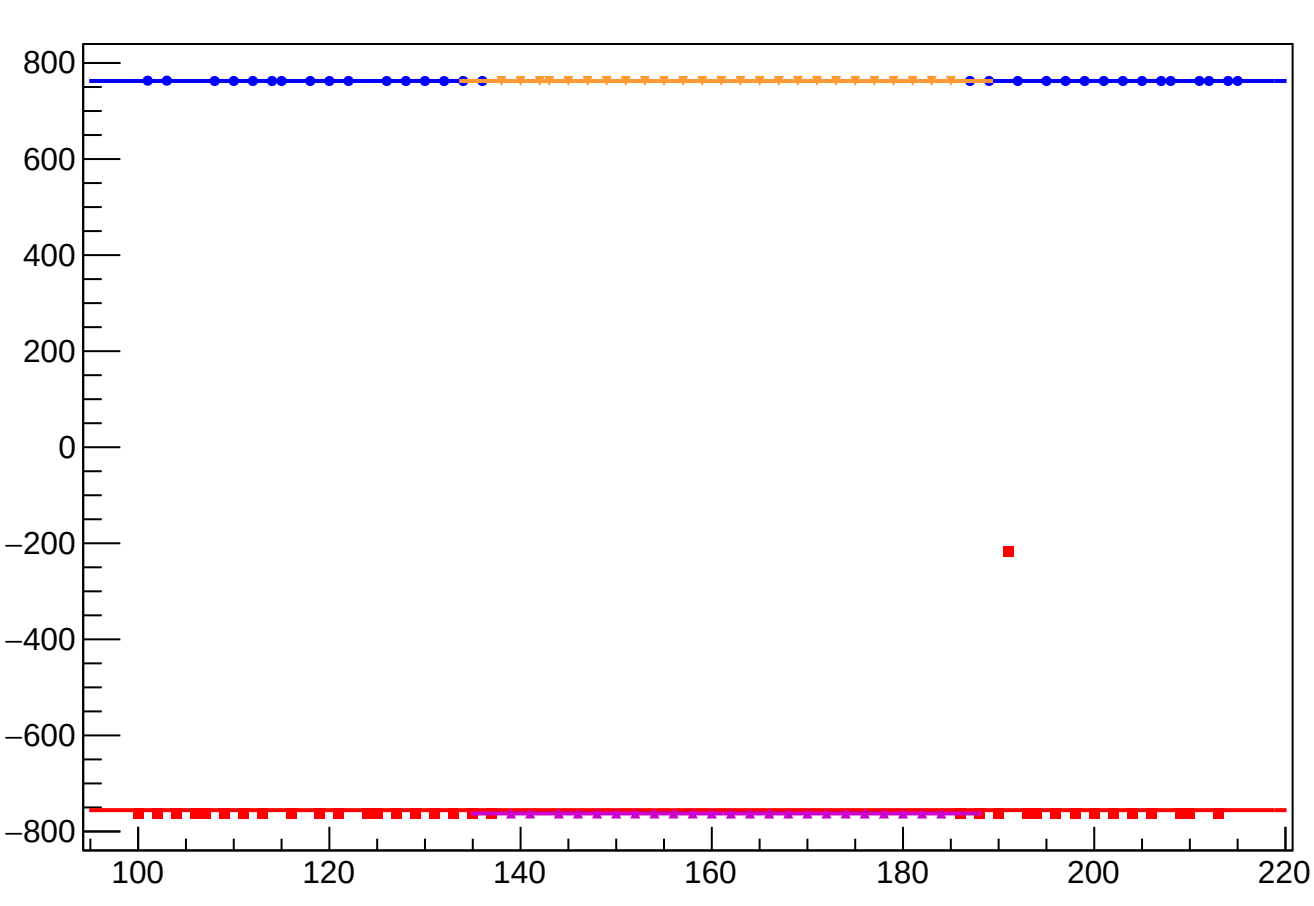
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

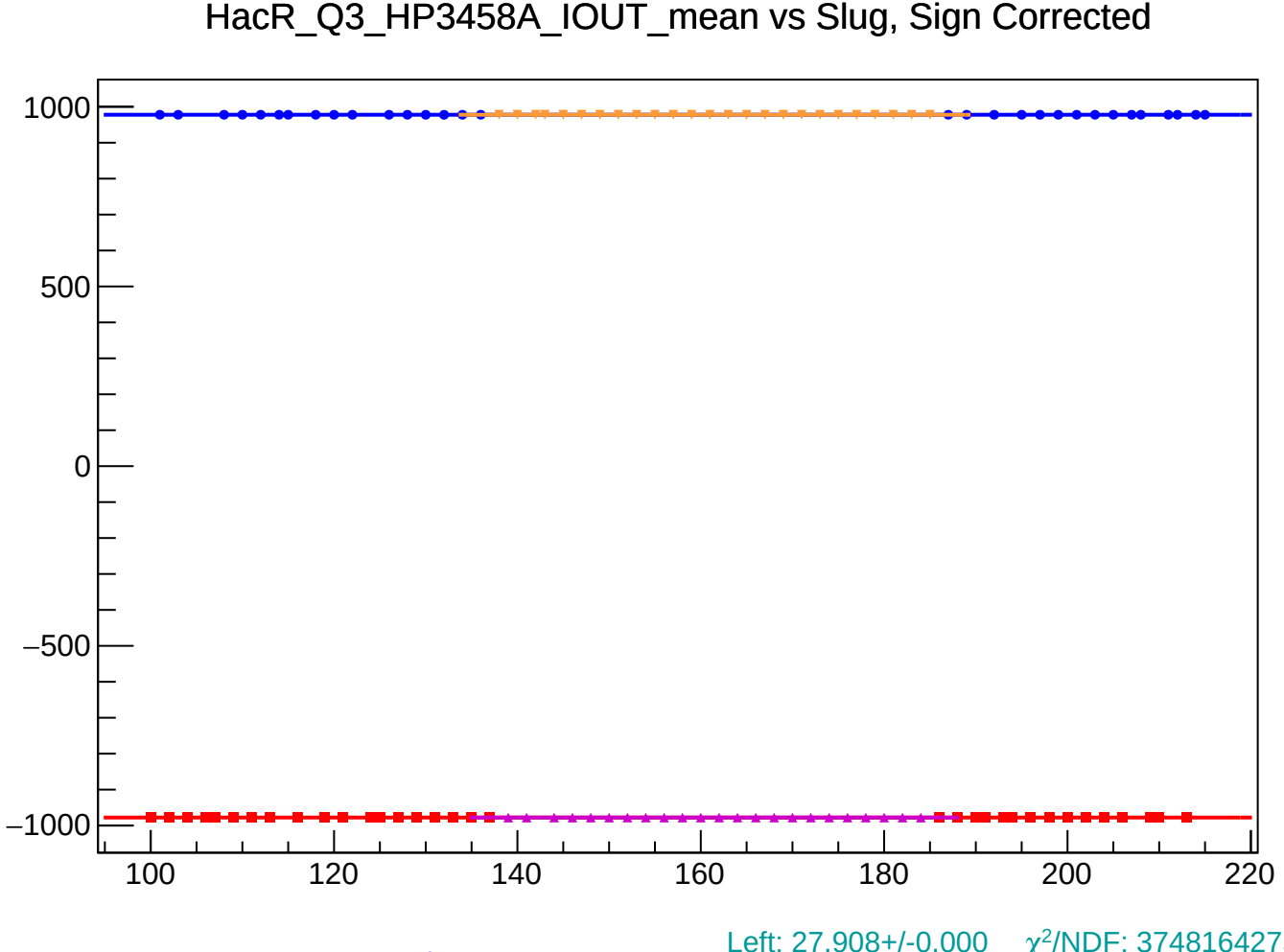
Right: 5.648+/-0.000 χ^2/NDF: 33624520042679771

In: 16.920+/-0.000 χ^2/NDF:332120421103825588

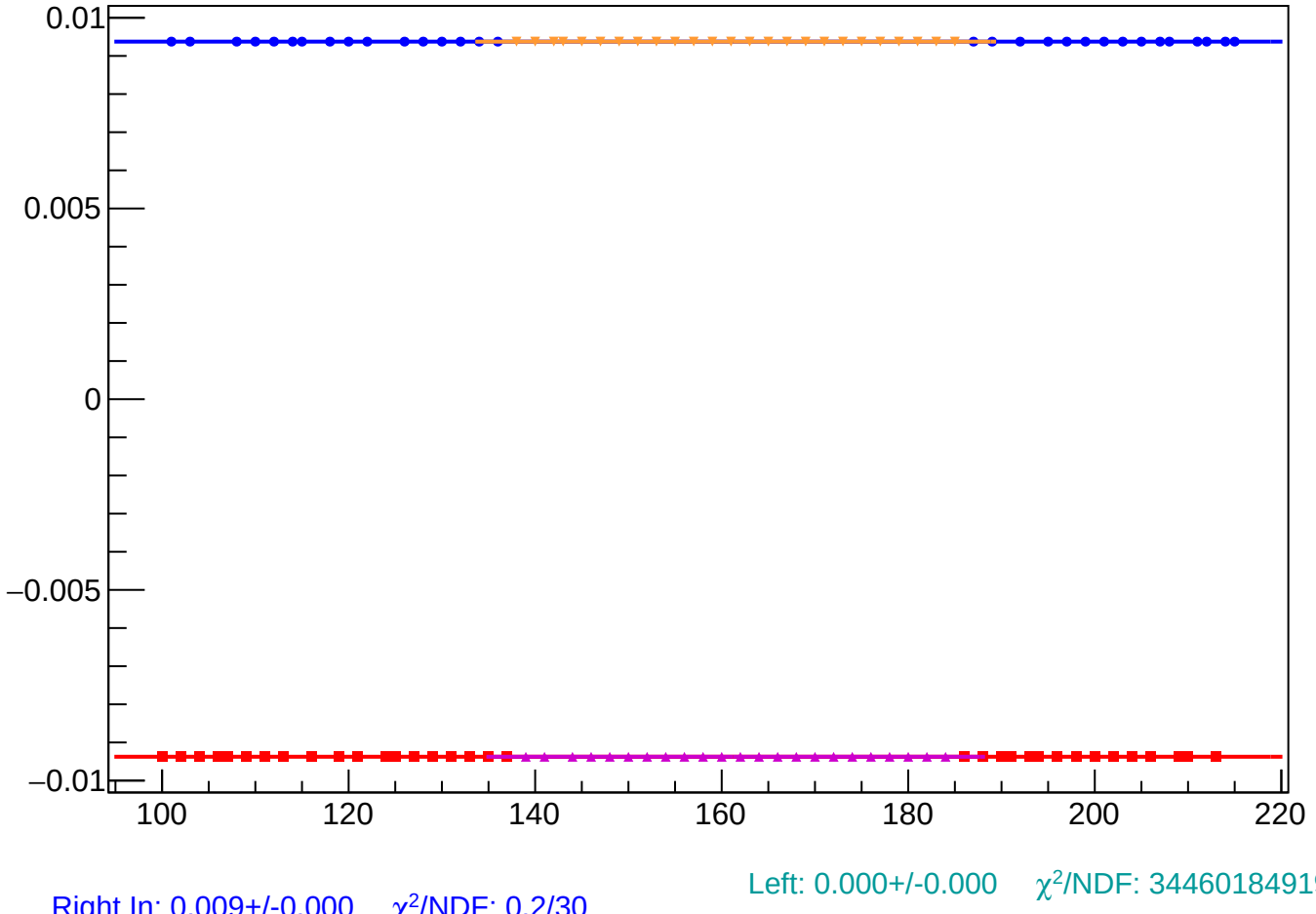
Out: 15.134+/-0.000 χ^2/NDF:33967023255800670

All: 16.017+/-0.000 χ^2/NDF: 6717912794009


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
220
Right In: 762.570+/-0.000 χ²/NDF: 554941080423026206330763849236480/30
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -755.591+/-0.000 χ²/NDF: 7344181242626248421268235447082942464.0/33
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: 8.125+/-0.000 χ²/NDF: 22717379954435776
In: 13.968+/-0.000 χ²/NDF:22571070497961149
Out: 15.888+/-0.000 χ²/NDF:22946791352049477
All: 14.939+/-0.000 χ²/NDF: 455179342081


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Left: 27.908+/-0.000 χ²/NDF: 37481642757083146
Right In: 977.761+/-0.000 χ²/NDF: 22240089275409054753013807185920/30
Right: 5.972+/-0.000 χ²/NDF: 37569907631491357
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
In: 17.891+/-0.000 χ²/NDF:371087181582171402
Right Out: -977.758+/-0.000 χ²/NDF: 2862573103418433026441355460608.0/33
Out: 15.994+/-0.000 χ²/NDF:37952209360436983
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
All: 16.932+/-0.000 χ²/NDF: 7506099811417

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/33

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

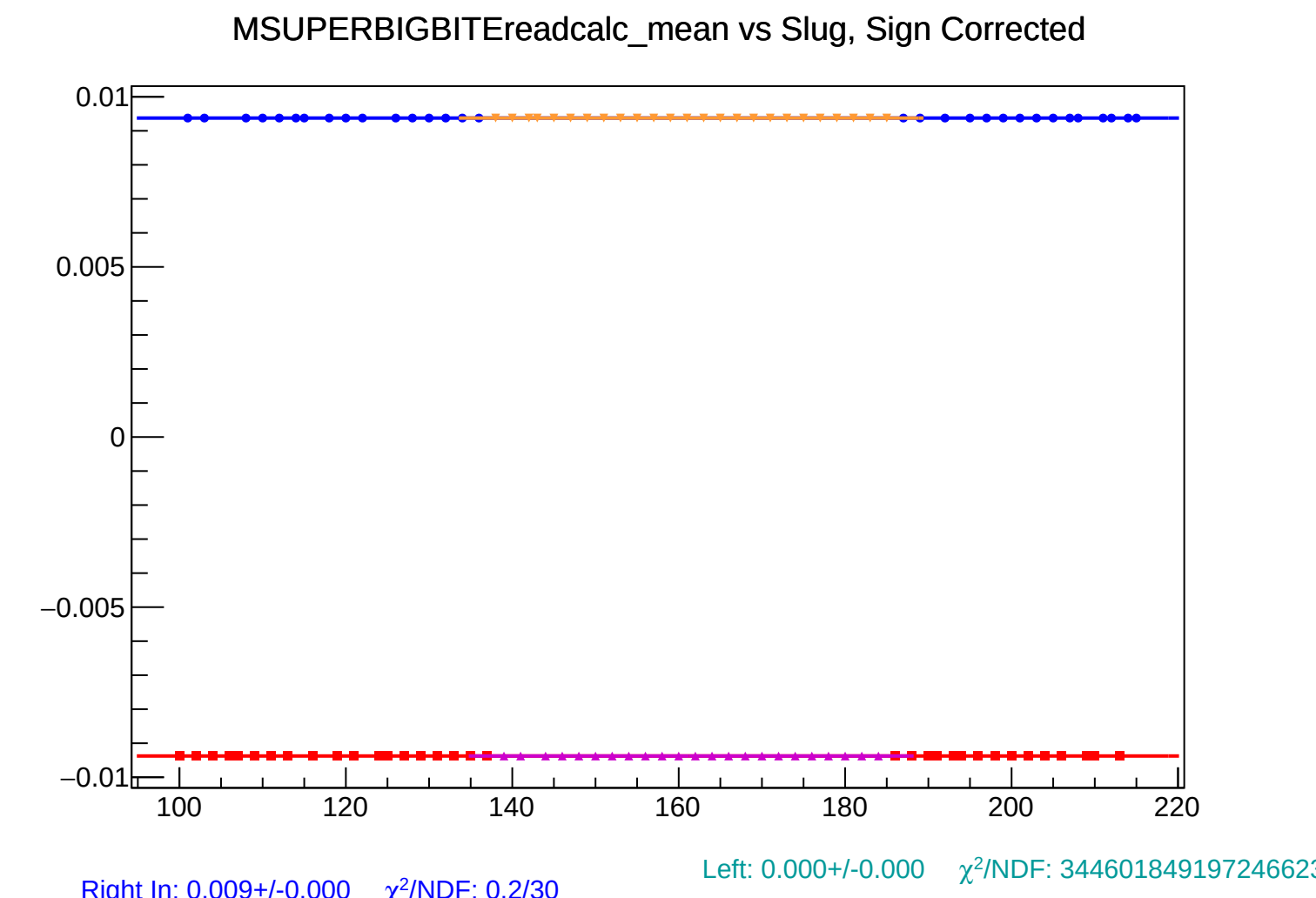
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: 0.000+/-0.000 χ^2/NDF: 34539727457060977

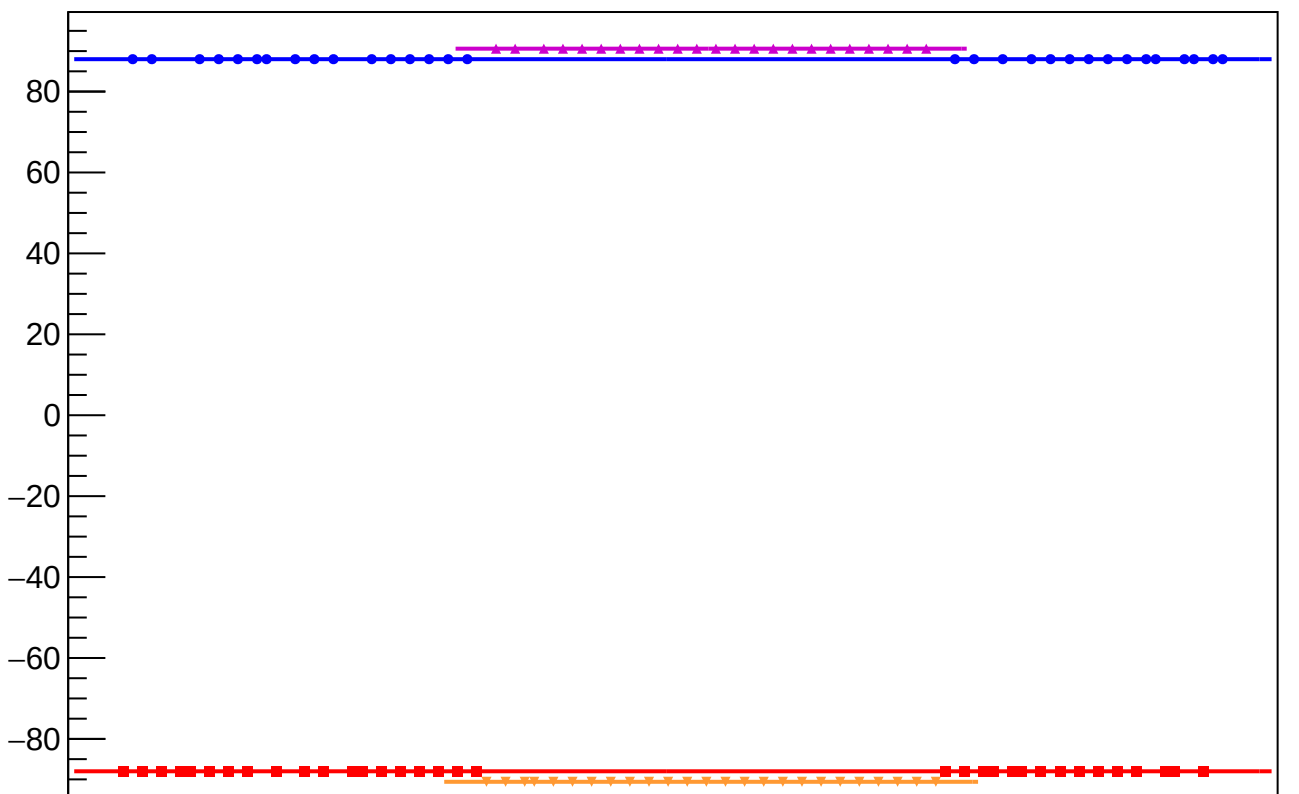
In: 0.000+/-0.000 χ^2/NDF:341165195242079875

Out: 0.000+/-0.000 χ^2/NDF:348920159437168366

All: 0.000+/-0.000 χ^2/NDF: 69008598823051


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
120
140
160
180
200
220
Right In: 0.009+/-0.000 χ²/NDF: 0.2/30
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.3/33
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 34460184919724662
Right: 0.000+/-0.000 χ²/NDF: 34539727457060977
In: 0.000+/-0.000 χ²/NDF:341165195242079875
Out: 0.000+/-0.000 χ²/NDF:348920159437168366
All: 0.000+/-0.000 χ²/NDF: 69008598823051

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 3473310.4/30

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 7662537552162403584855297228 8.0/33

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

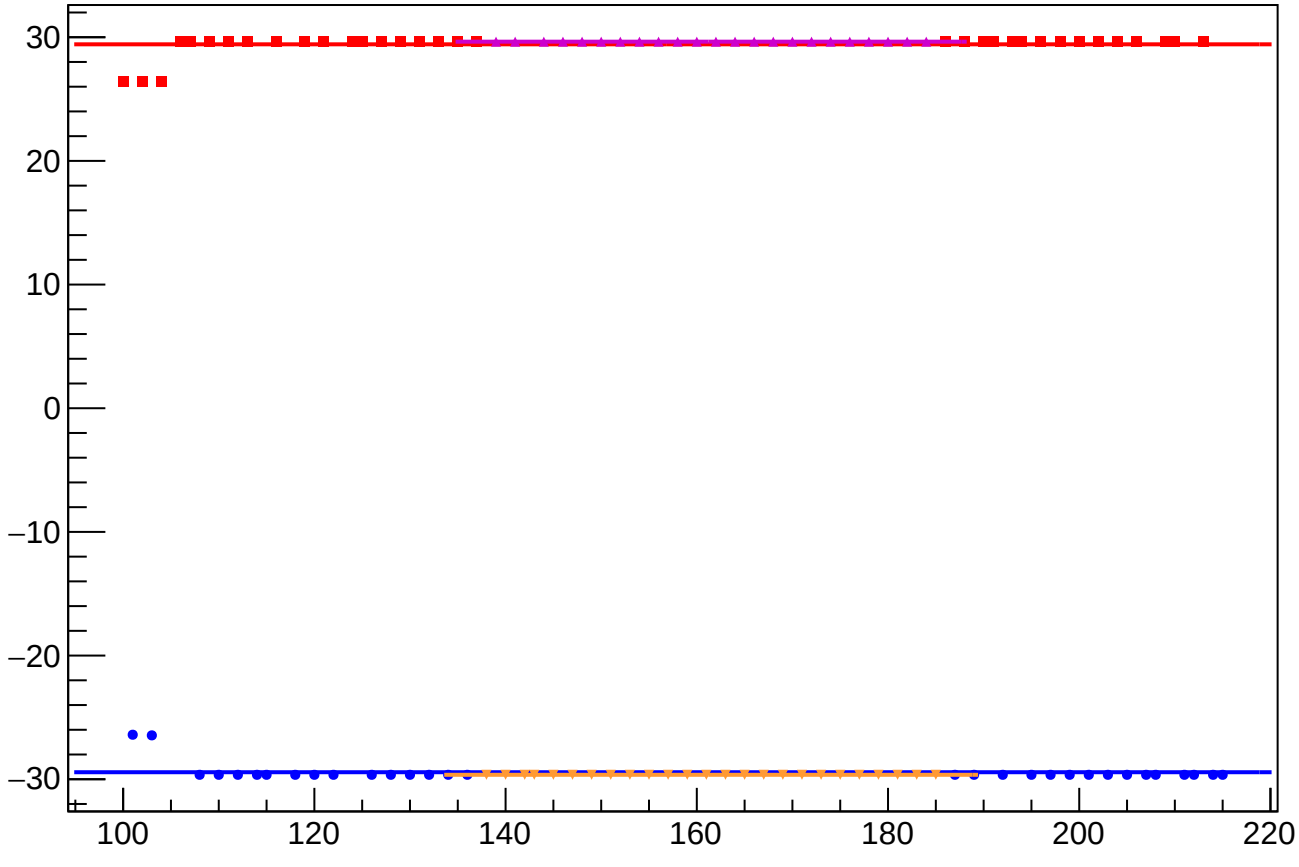
Right: 0.537+/-0.000 χ^2/NDF: 30433636685756238

In: 89.276+/-0.000 χ^2/NDF:655298168608243512

Out: -89.322+/-0.000 χ^2/NDF:6696565751364315

All: -1.023+/-0.000 χ^2/NDF: 6263564957982

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.433+/-0.000 χ^2/NDF: 123722144131801442807016662761472 0.0/30

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.427+/-0.000 χ^2/NDF: 126474310783410160495987058016256 0.0/33

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

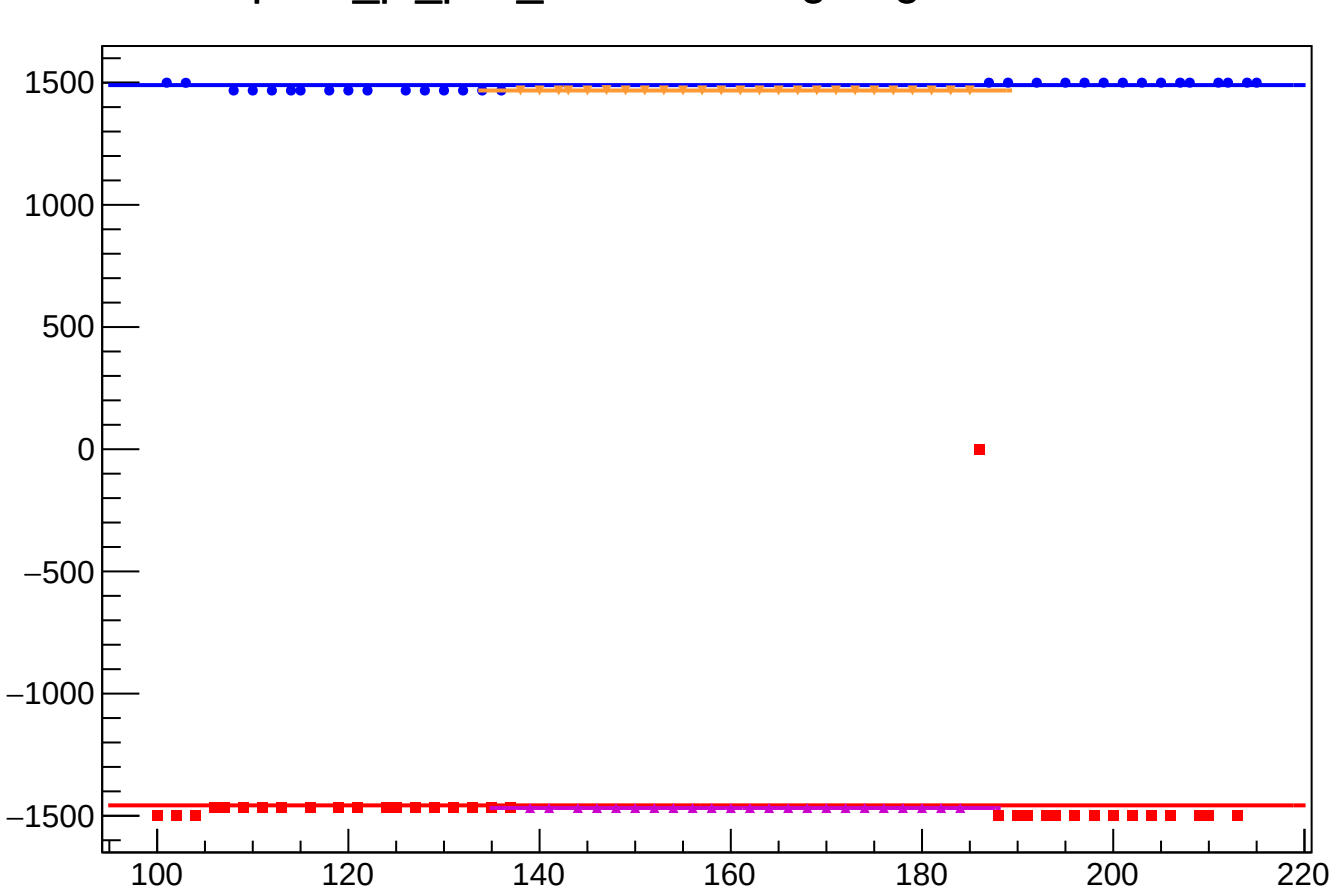
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: -0.183+/-0.000 χ^2/NDF: 3406160697985526

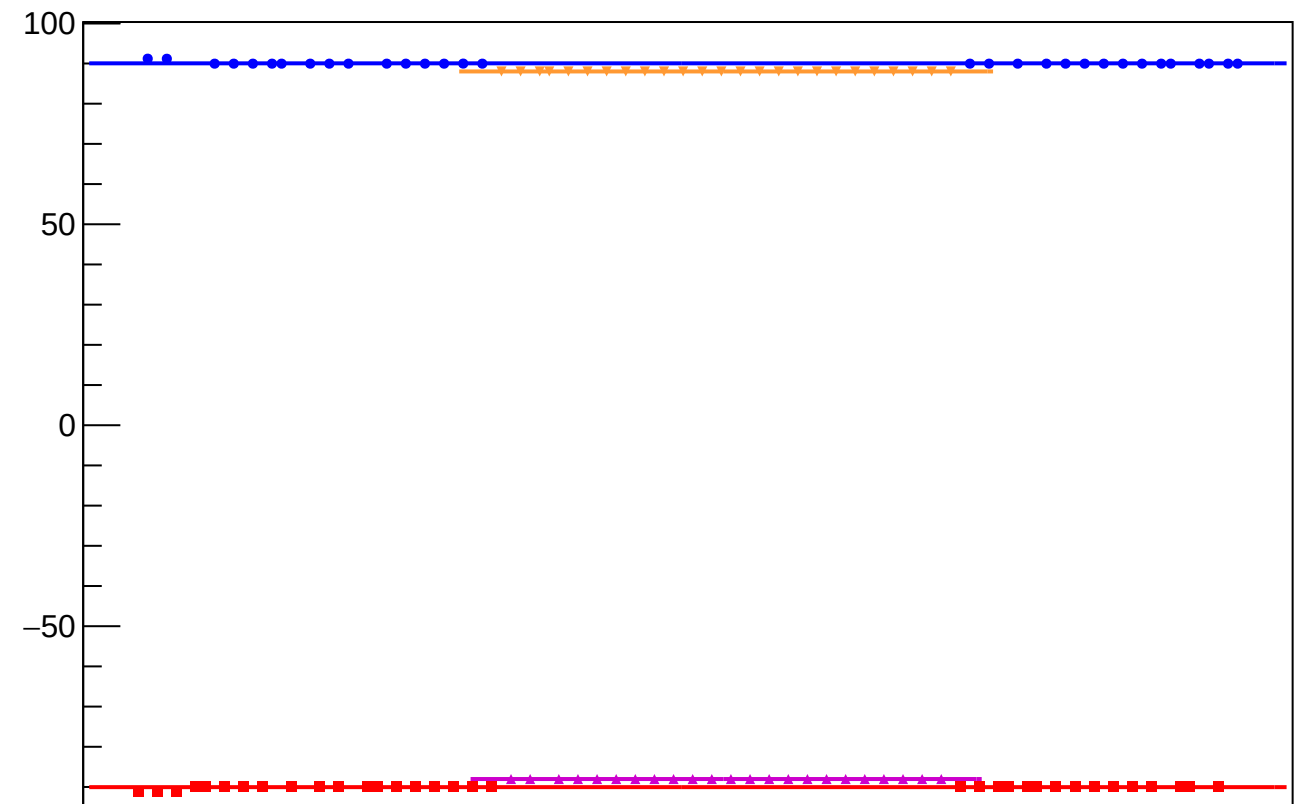
In: -0.436+/-0.000 χ^2/NDF:338768387631426023

Out: -0.590+/-0.000 χ^2/NDF:34639991632797193

All: -0.514+/-0.000 χ^2/NDF: 6851729858315


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 1490.056+/-0.000 χ²/NDF: 433039504060554013240081080452644864.0/30
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
Right Out: -1457.348+/-0.000 χ²/NDF: 915959501565299641383480478583299768 32.0/33
Left In: -1467.994+/-0.000 χ²/NDF:155493808986096753755224539136.0/22
Left: 41.929+/-0.000 χ²/NDF: 84496793302930950
Right: 25.354+/-0.000 χ²/NDF: 8626872407570448
In: 38.075+/-0.000 χ²/NDF:849170999729120387
Out: 29.294+/-0.000 χ²/NDF:8585229829343589
All: 33.635+/-0.000 χ²/NDF: 1707709120389

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.039+/-0.000 χ^2/NDF: 1811193121098056397698395505950720/30

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.041+/-0.000 χ^2/NDF: 1852489142857406545983255473029120/33

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238480

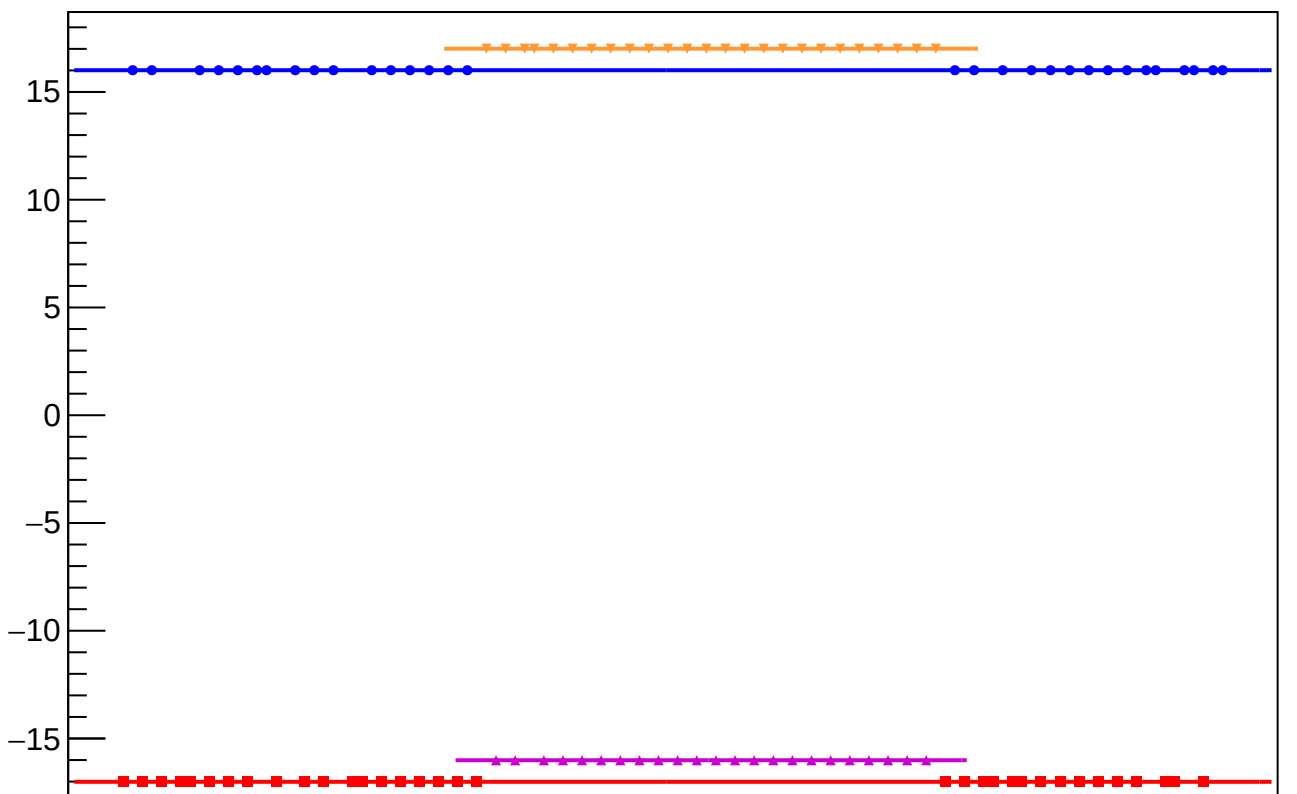
Right: 0.549+/-0.000 χ^2/NDF: 31860659332014545

In: 2.637+/-0.000 χ^2/NDF:3076787512833538330

Out: 0.447+/-0.000 χ^2/NDF:31467924852663564

All: 1.530+/-0.000 χ^2/NDF: 62245217056797

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 986957088942460086779904.0/30

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 21123547750939981172965376.0/33

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

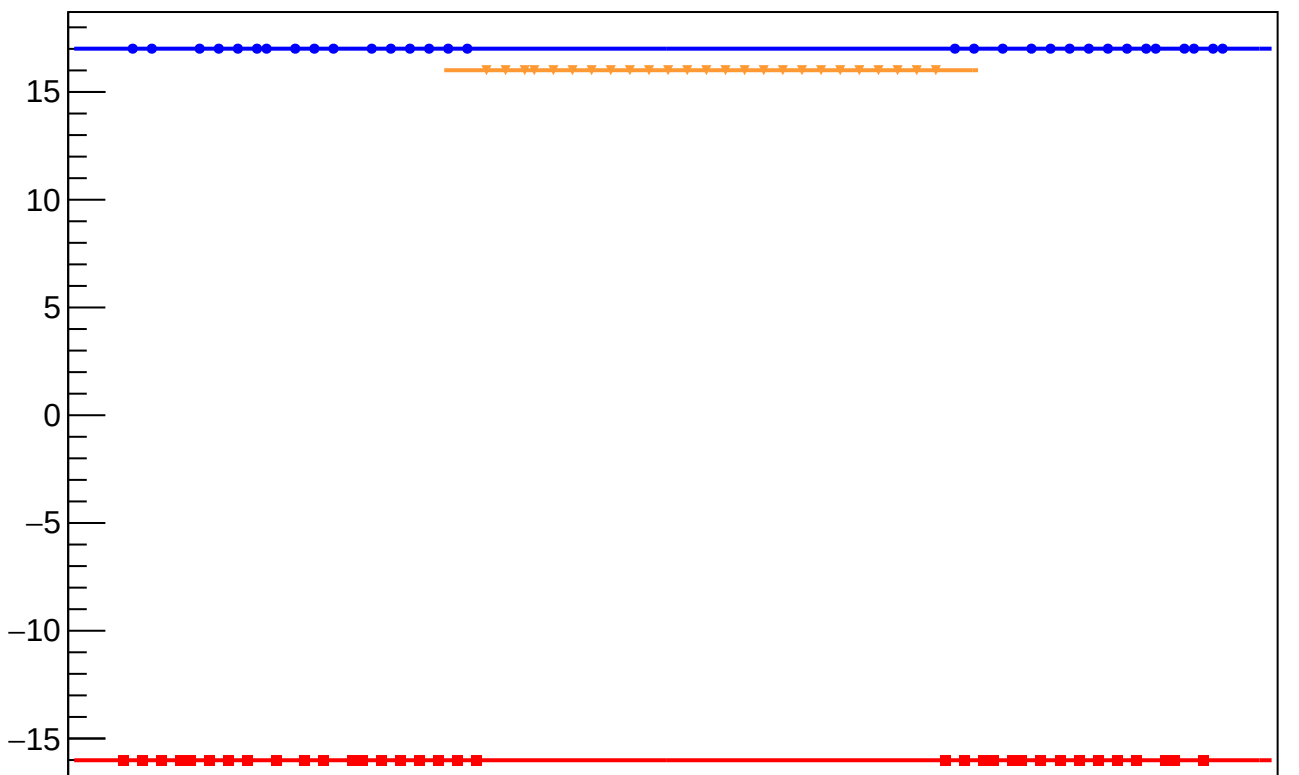
Right: -0.262+/-0.000 χ^2/NDF: 1041228445288986

In: 0.730+/-0.000 χ^2/NDF:948129246241565218 8

Out: -0.050+/-0.000 χ^2/NDF:10863707356547065

All: 0.337+/-0.000 χ^2/NDF: 2035634026384 0

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 9871645627676242927943680.0/30

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 2444636763742213557452 8.0/33

Left In: -17.009+/-0.000 χ^2/NDF:1110071044208815662694 40.0/22

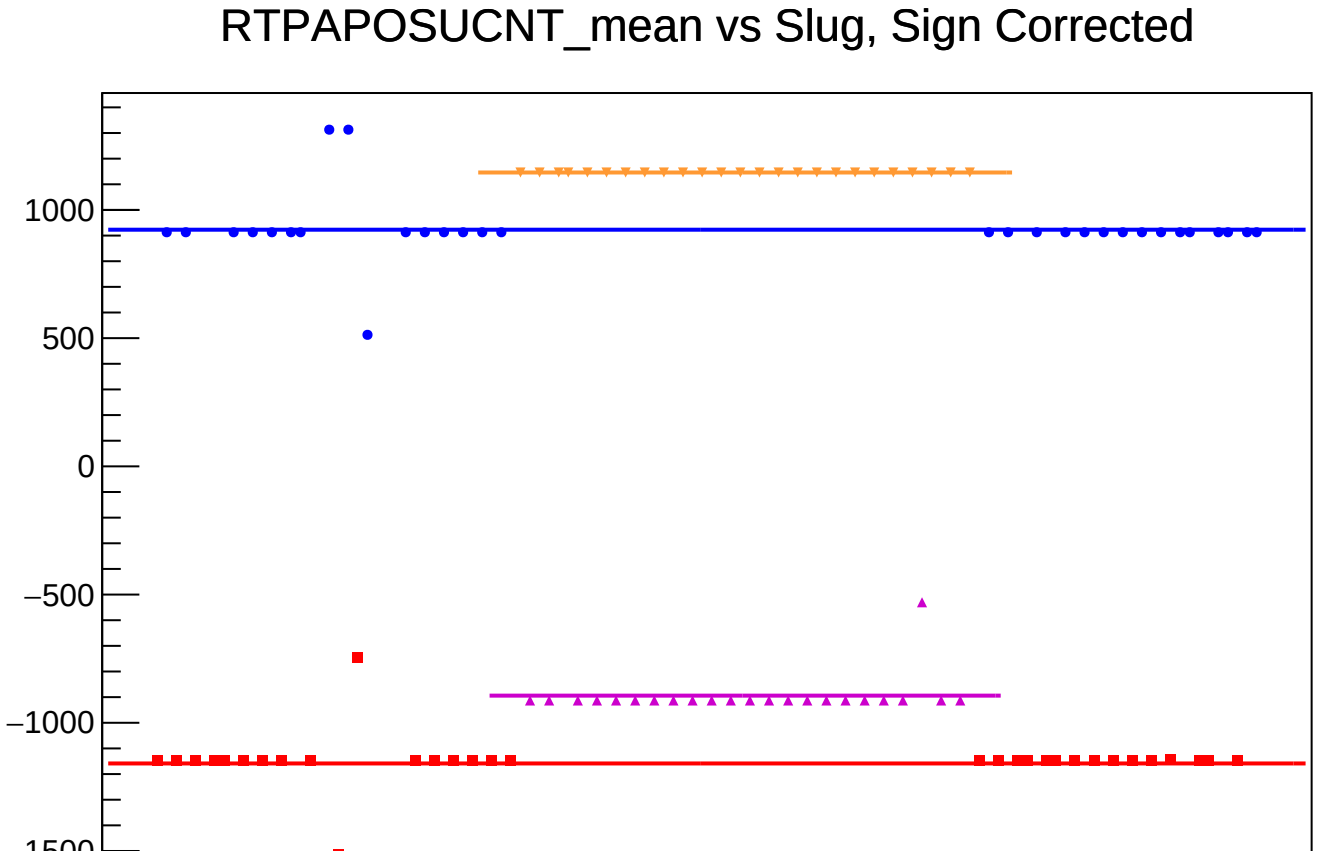
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: 0.475+/-0.000 χ^2/NDF: 10607984435834556

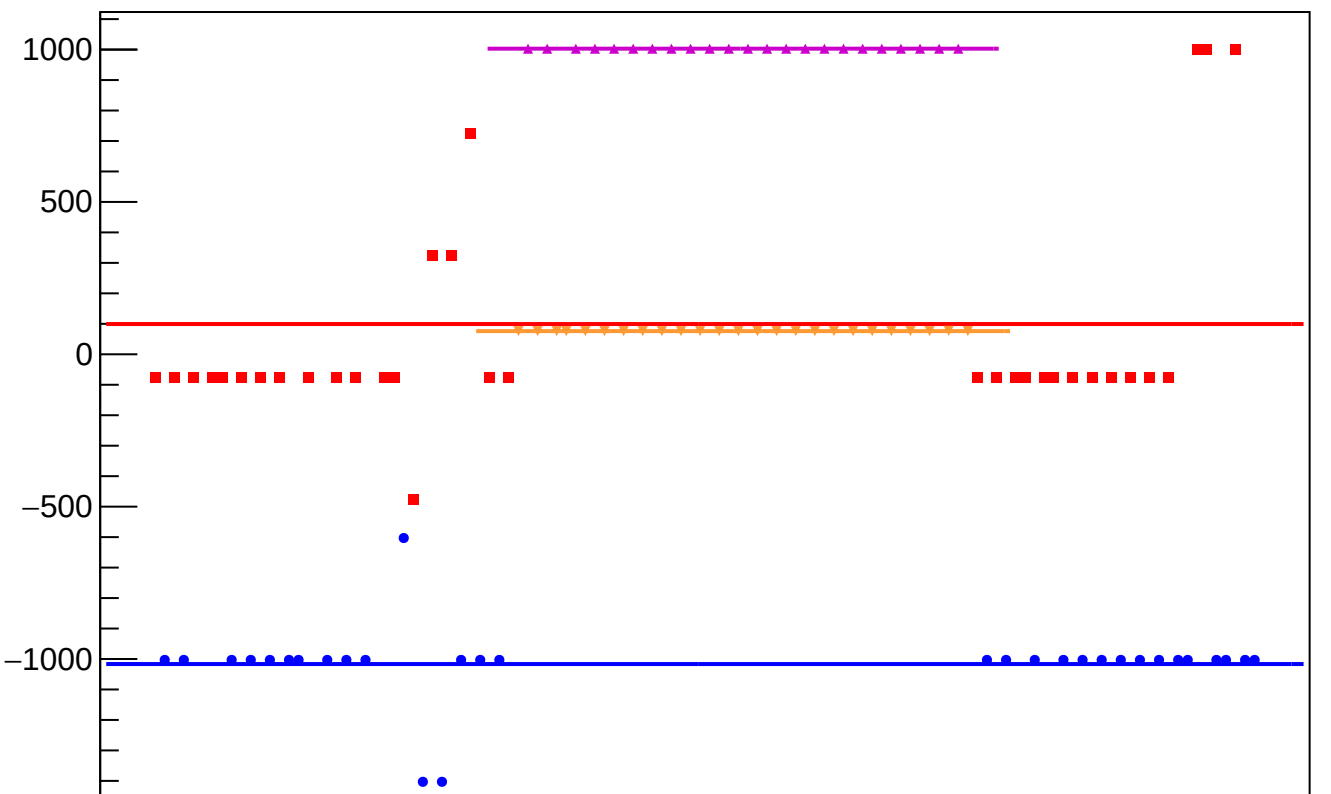
In: 0.371+/-0.000 χ^2/NDF:109975492507419941 5

Out: 0.175+/-0.000 χ^2/NDF:100995785259118276

All: 0.271+/-0.000 χ^2/NDF: 21097875462797


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: 922.908+/-0.000 χ²/NDF: 21407087023542892377535765169754341376.0/30
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974720/24
Right Out: -1158.608+/-0.000 χ²/NDF: 22636707417050087460710960893561667584.0/33
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -111.494+/-0.000 χ²/NDF: 430077545557568
In: 31.013+/-0.000 χ²/NDF:3238417897621447491
Out: 12.568+/-0.000 χ²/NDF:52940296592737912
All: 21.687+/-0.000 χ²/NDF: 8533115491500

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1016.545+/-0.000 χ^2/NDF: 2347638889390512261169473339252539392 0.0/30

Right: -462.026+/-0.000 χ^2/NDF: 154993334261013

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: -25.241+/-0.000 χ^2/NDF:39813757710457308

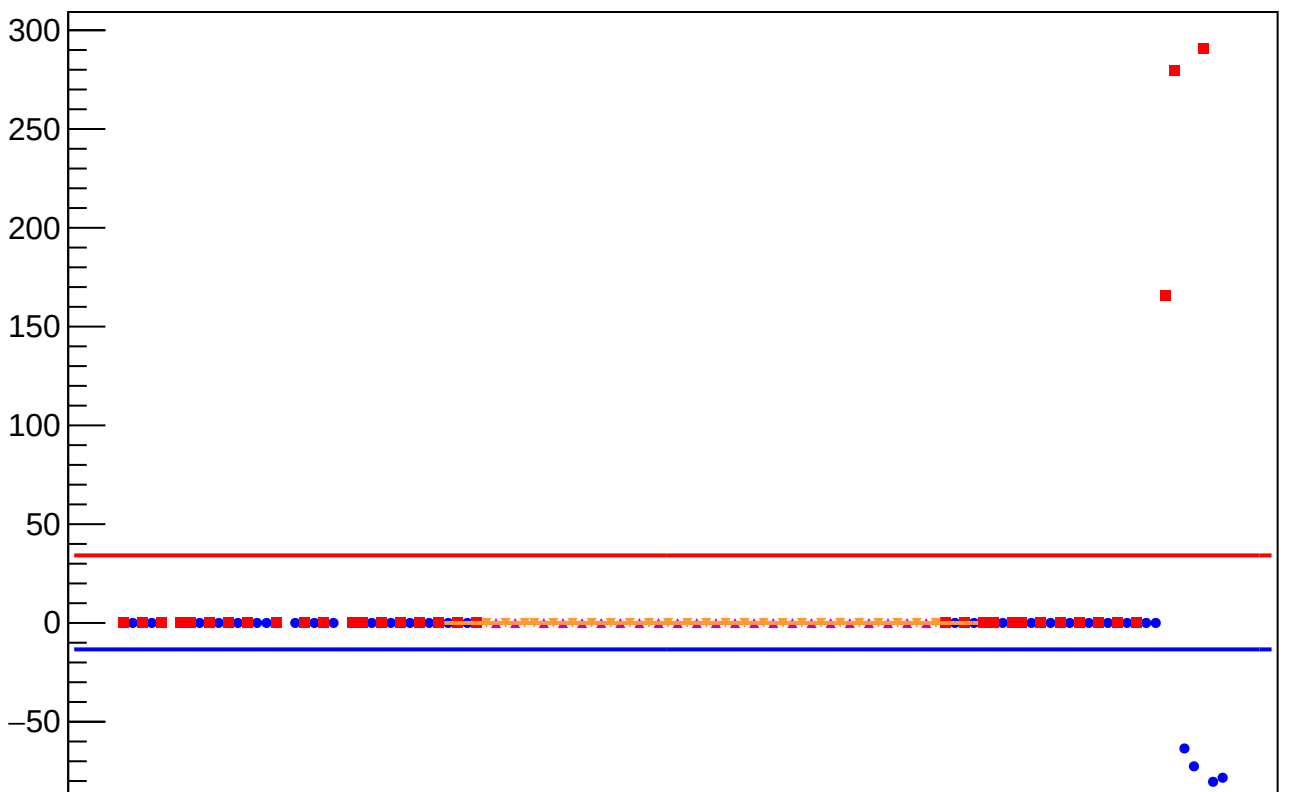
Right Out: 99.307+/-0.000 χ^2/NDF: 3031673959987561291438831341718900572 16.0/33

Out: 87.489+/-0.000 χ^2/NDF:30370417270771887

Left In: 1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

All: 31.756+/-0.000 χ^2/NDF: 431002922443

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: -13.379+/-0.000 χ^2/NDF: 16229541973545719672228702058782392320/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 34.184+/-0.000 χ^2/NDF: 15028647083692268644278485145503137792.0/33

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

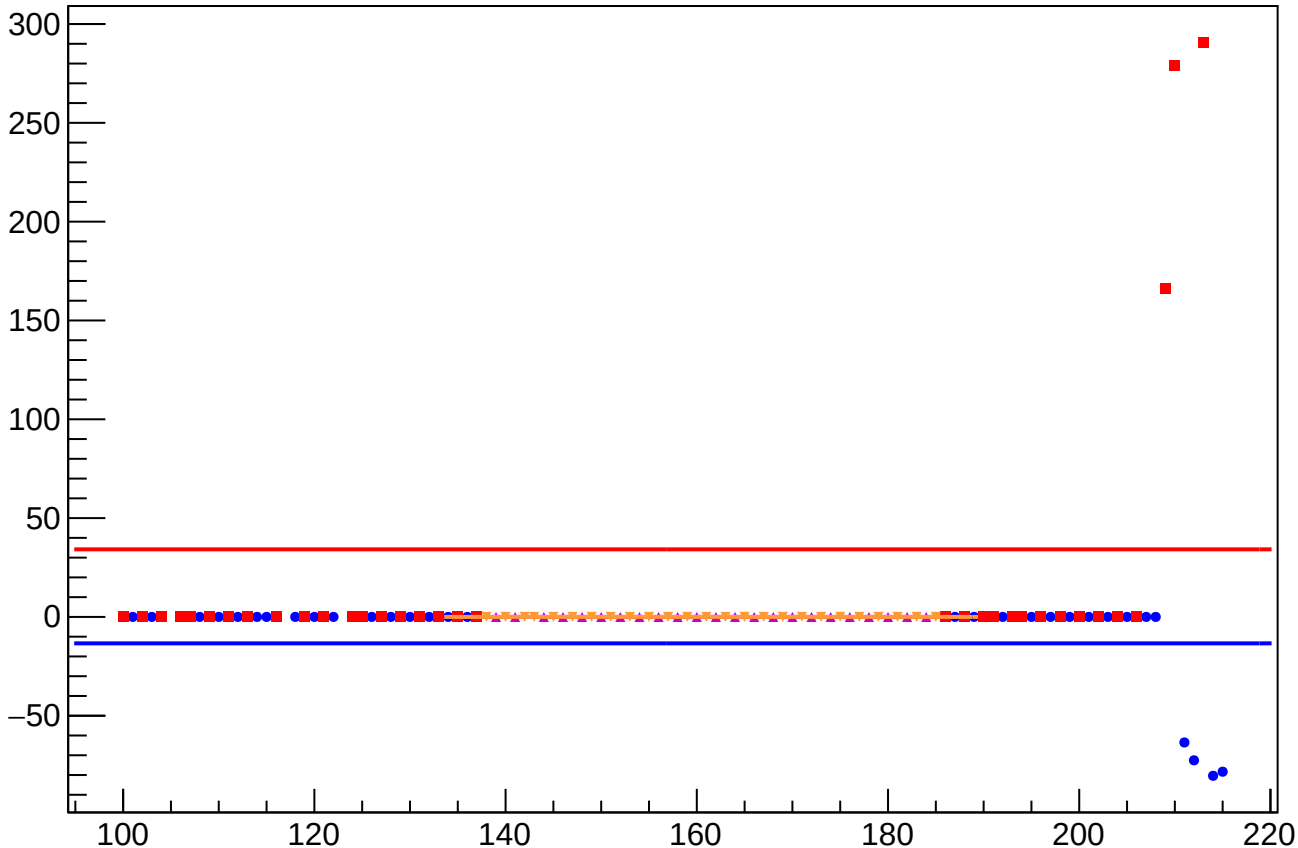
Right: 10.257+/-0.000 χ^2/NDF: 1887422275739306

In: -6.817+/-0.000 χ^2/NDF:179642188992450644

Out: 16.817+/-0.000 χ^2/NDF:16187794962684116

All: 5.133+/-0.000 χ^2/NDF: 19080795680188

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: -13.379+/-0.000 χ^2/NDF: 16229541973545719672228702058782392320/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 34.195+/-0.000 χ^2/NDF: 150283312022977097721142618756302766080/33

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

Right: 10.263+/-0.000 χ^2/NDF: 1887490743589264

In: -6.817+/-0.000 χ^2/NDF:179642188992450644

Out: 16.822+/-0.000 χ^2/NDF:16188205358608415

All: 5.135+/-0.000 χ^2/NDF: 19081694685867