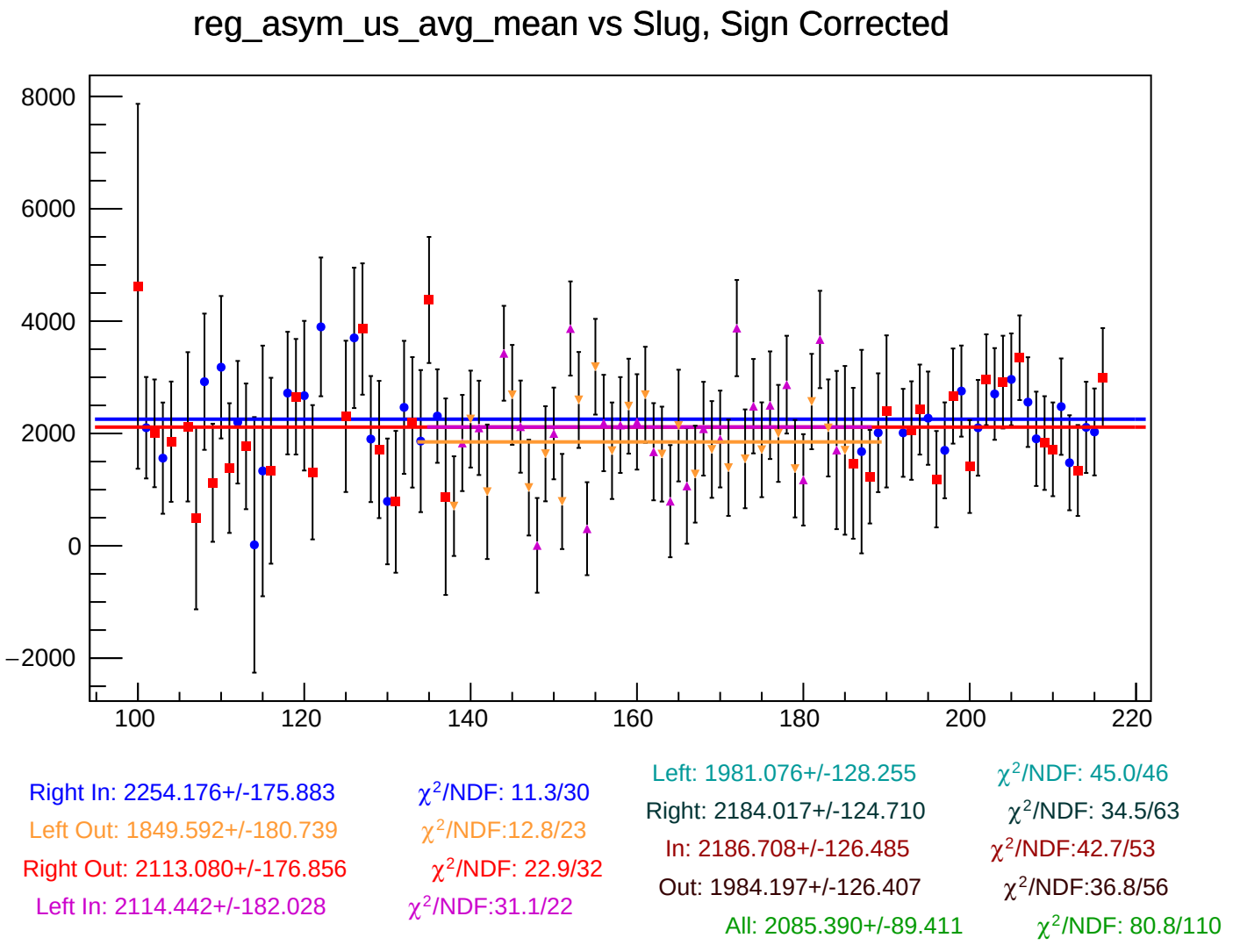
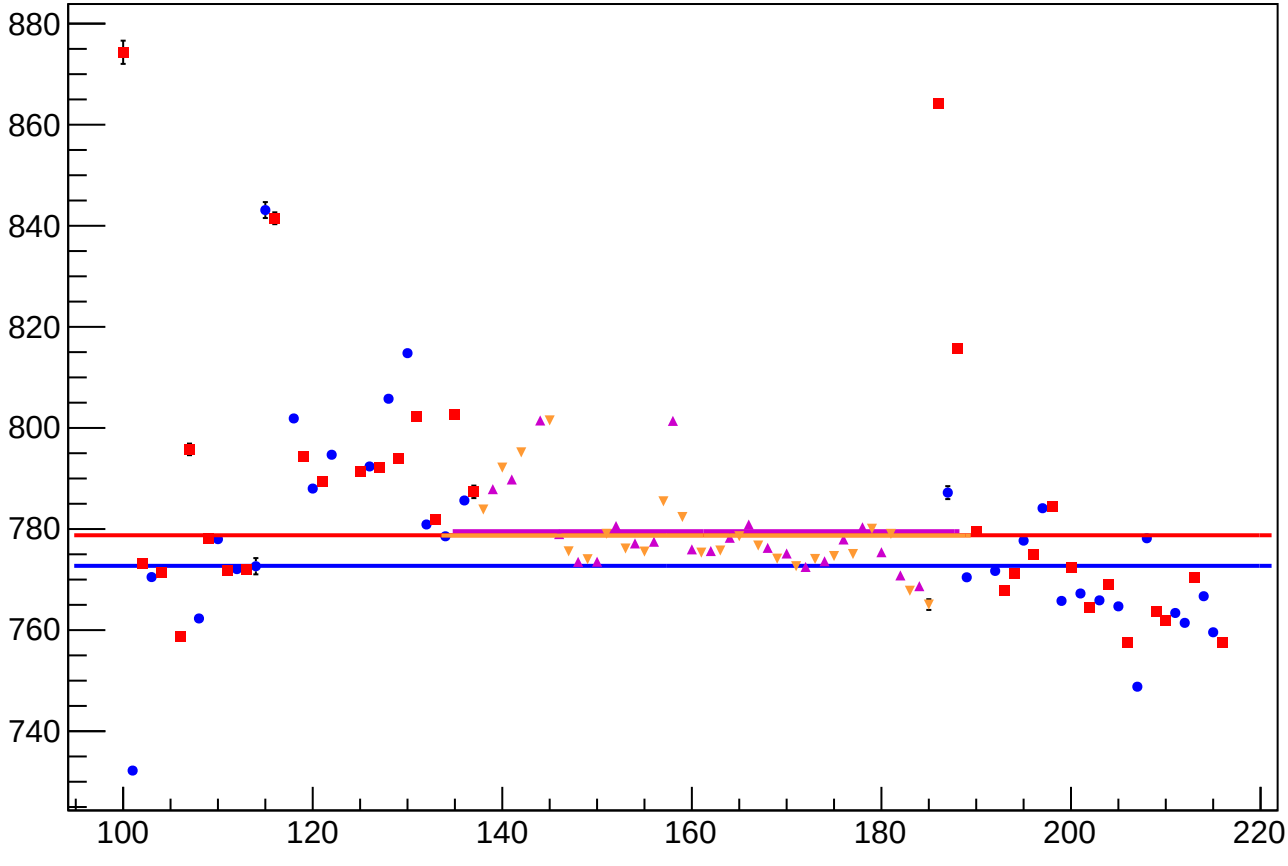

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 2254.176+/-175.883
χ²/NDF: 11.3/30
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2113.080+/-176.856
χ²/NDF: 22.9/32
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2184.017+/-124.710
χ²/NDF: 34.5/63
In: 2186.708+/-126.485
χ²/NDF:42.7/53
Out: 1984.197+/-126.407
χ²/NDF:36.8/56
All: 2085.390+/-89.411
χ²/NDF: 80.8/110

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: 778.768+/-0.125 χ^2/NDF: 26720.6/32

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

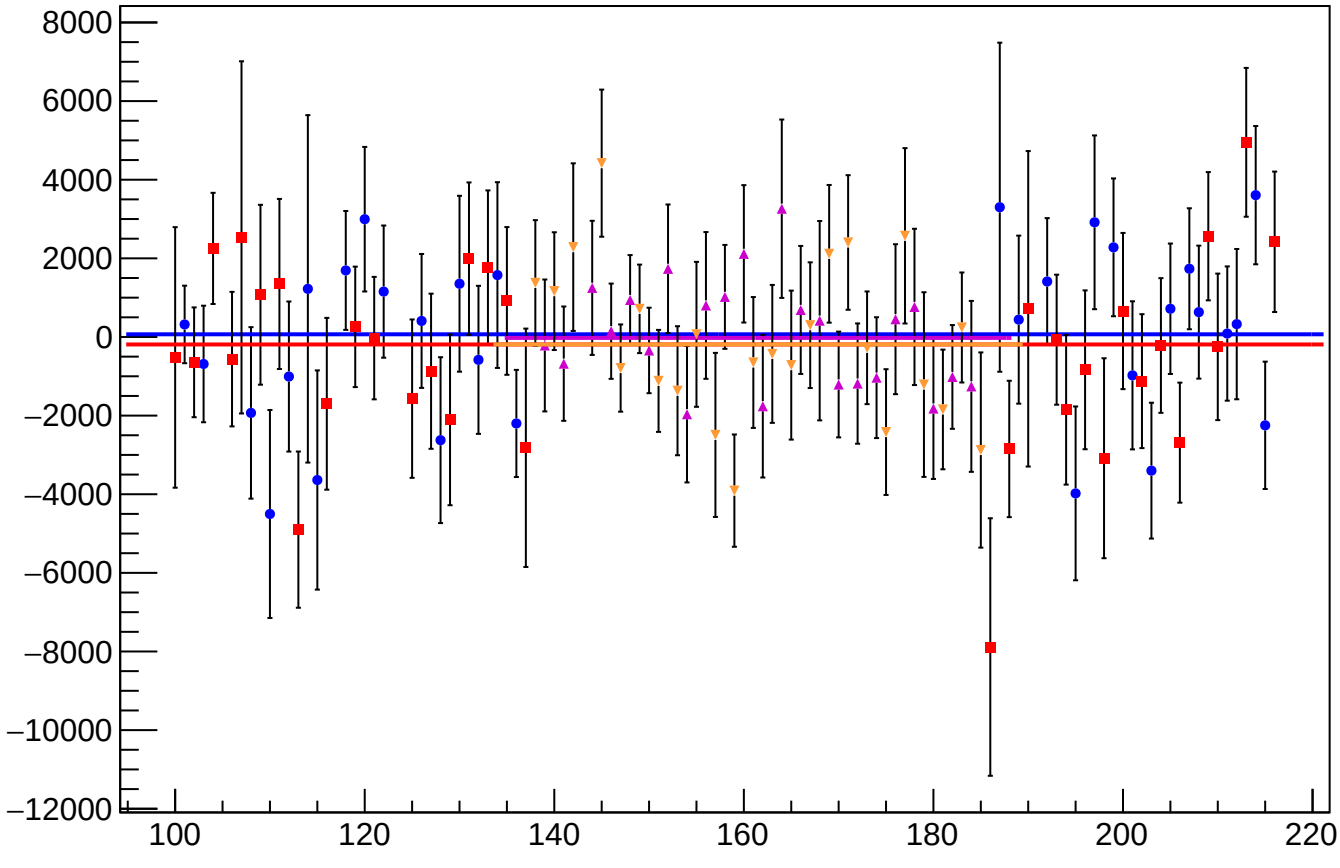
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.726+/-0.088 χ^2/NDF: 46396.1/63

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

Out: 778.739+/-0.089 χ^2/NDF:30110.4/56

All: 777.384+/-0.063 χ^2/NDF: 54709.4/110



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: -190.510+/-333.563 χ^2/NDF: 40.9/32

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

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

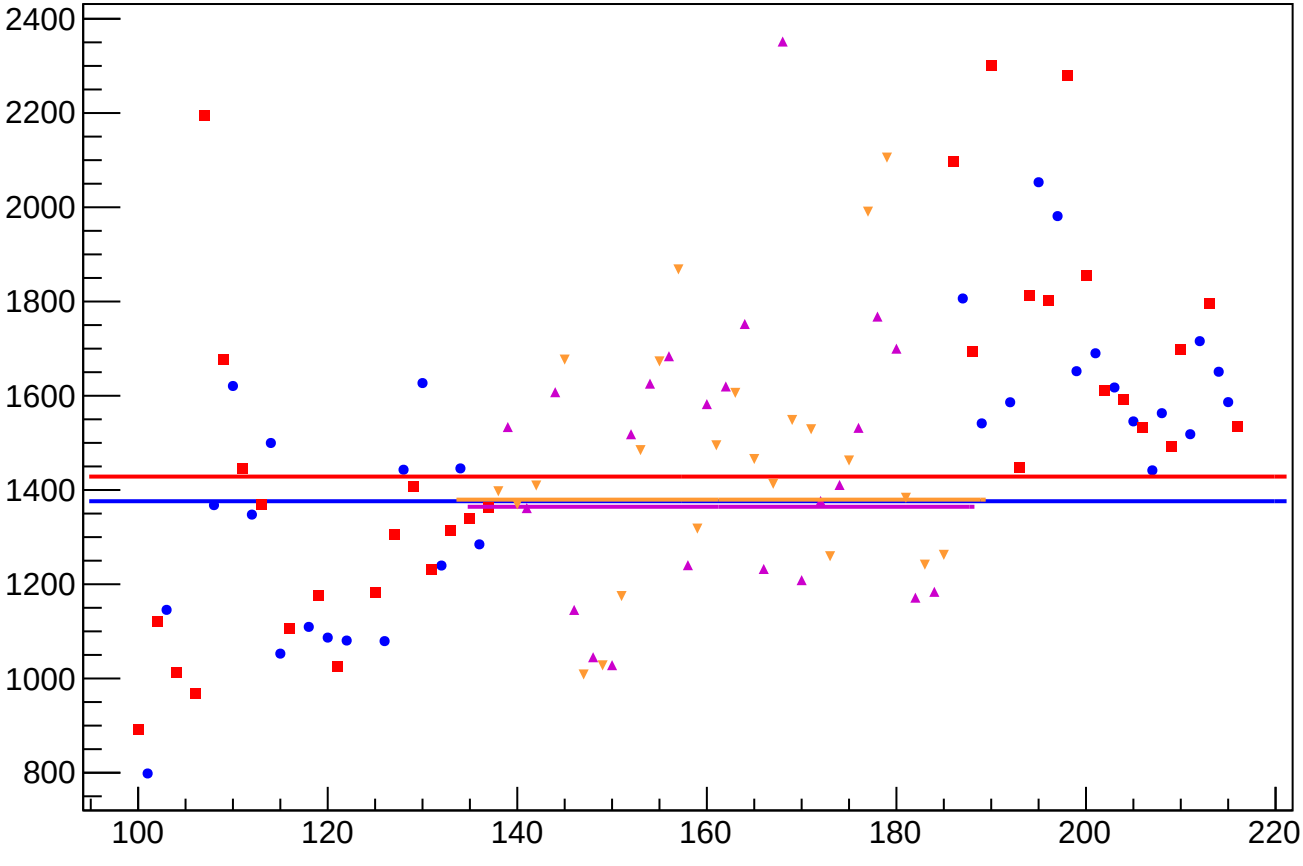
Right: -56.796+/-231.844 χ^2/NDF: 76.7/63

In: 22.685+/-229.193 χ^2/NDF:49.0/53

Out: -189.745+/-233.755 χ^2/NDF:70.5/56

All: -81.437+/-163.653 χ^2/NDF: 119.9/110

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: 1428.483+/-0.236 χ^2/NDF: 1723726.7/32

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

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

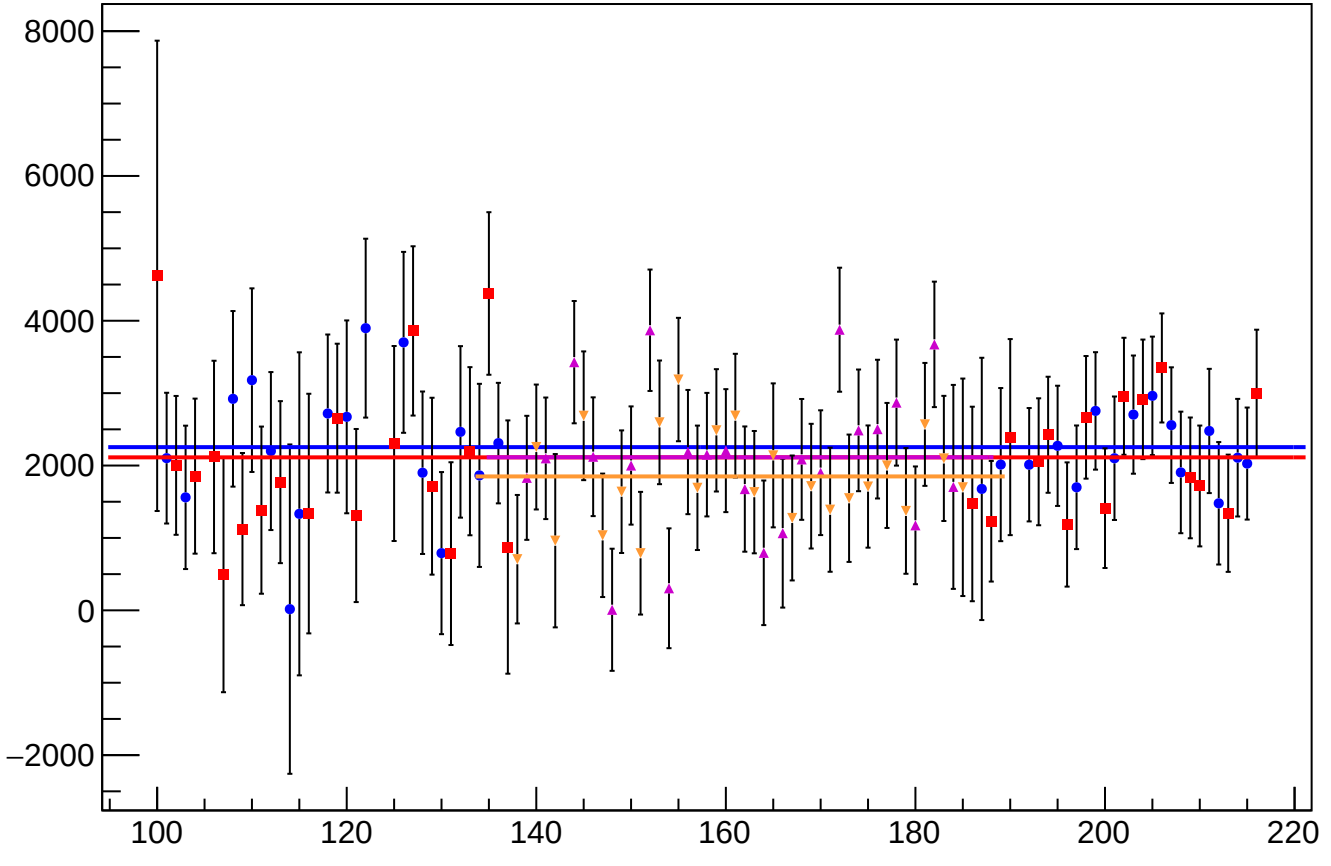
Right: 1401.453+/-0.164 χ^2/NDF: 3570247.6/63

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

Out: 1403.573+/-0.165 χ^2/NDF:2904110.9/56

All: 1386.641+/-0.116 χ^2/NDF: 6059429.6/11

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: 2113.080+/-176.856 χ^2/NDF: 22.9/32

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

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

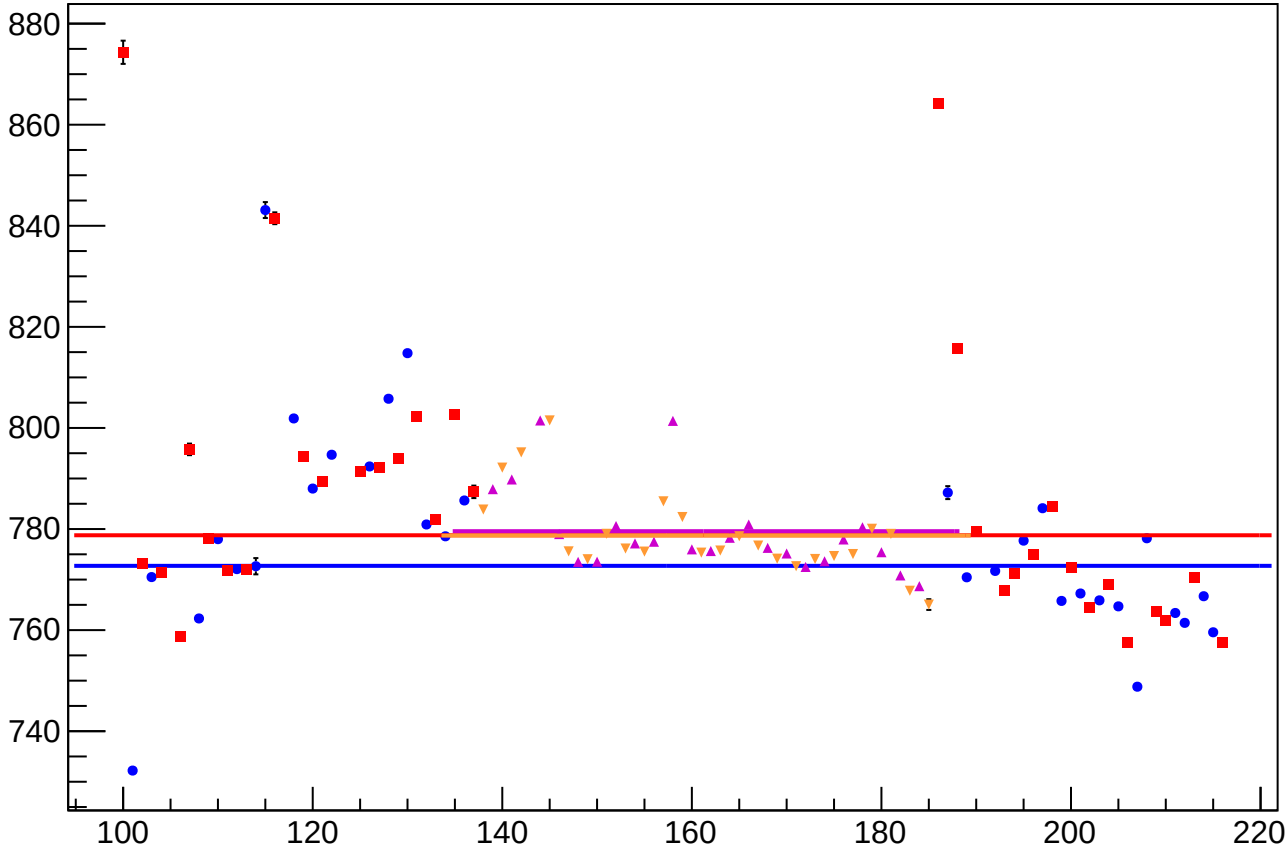
Right: 2184.017+/-124.710 χ^2/NDF: 34.5/63

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

Out: 1984.197+/-126.407 χ^2/NDF:36.8/56

All: 2085.390+/-89.411 χ^2/NDF: 80.8/110

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: 778.768+/-0.125 χ^2/NDF: 26720.6/32

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

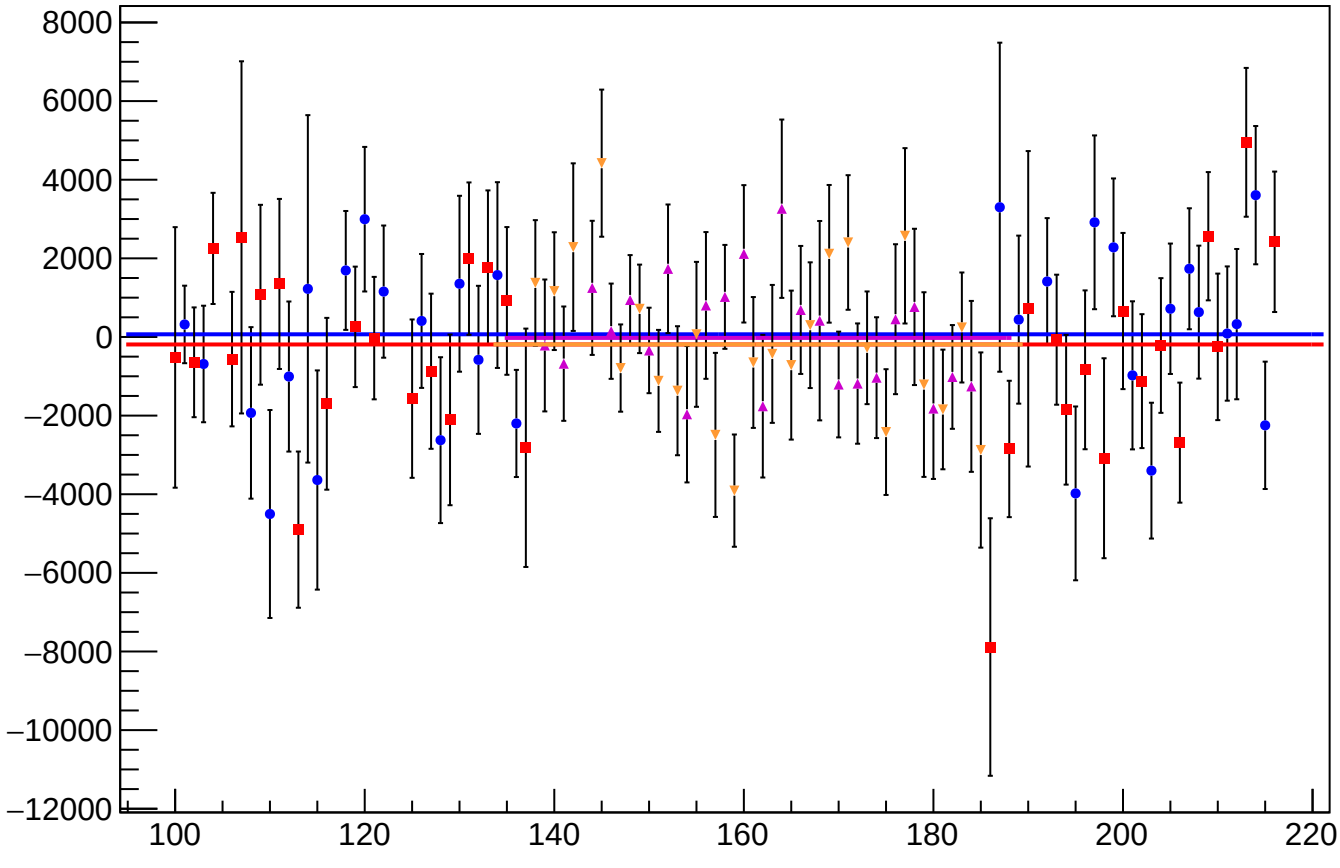
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.726+/-0.088 χ^2/NDF: 46396.1/63

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

Out: 778.739+/-0.089 χ^2/NDF:30110.4/56

All: 777.384+/-0.063 χ^2/NDF: 54709.4/110



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: -190.510+/-333.563 χ^2/NDF: 40.9/32

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

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

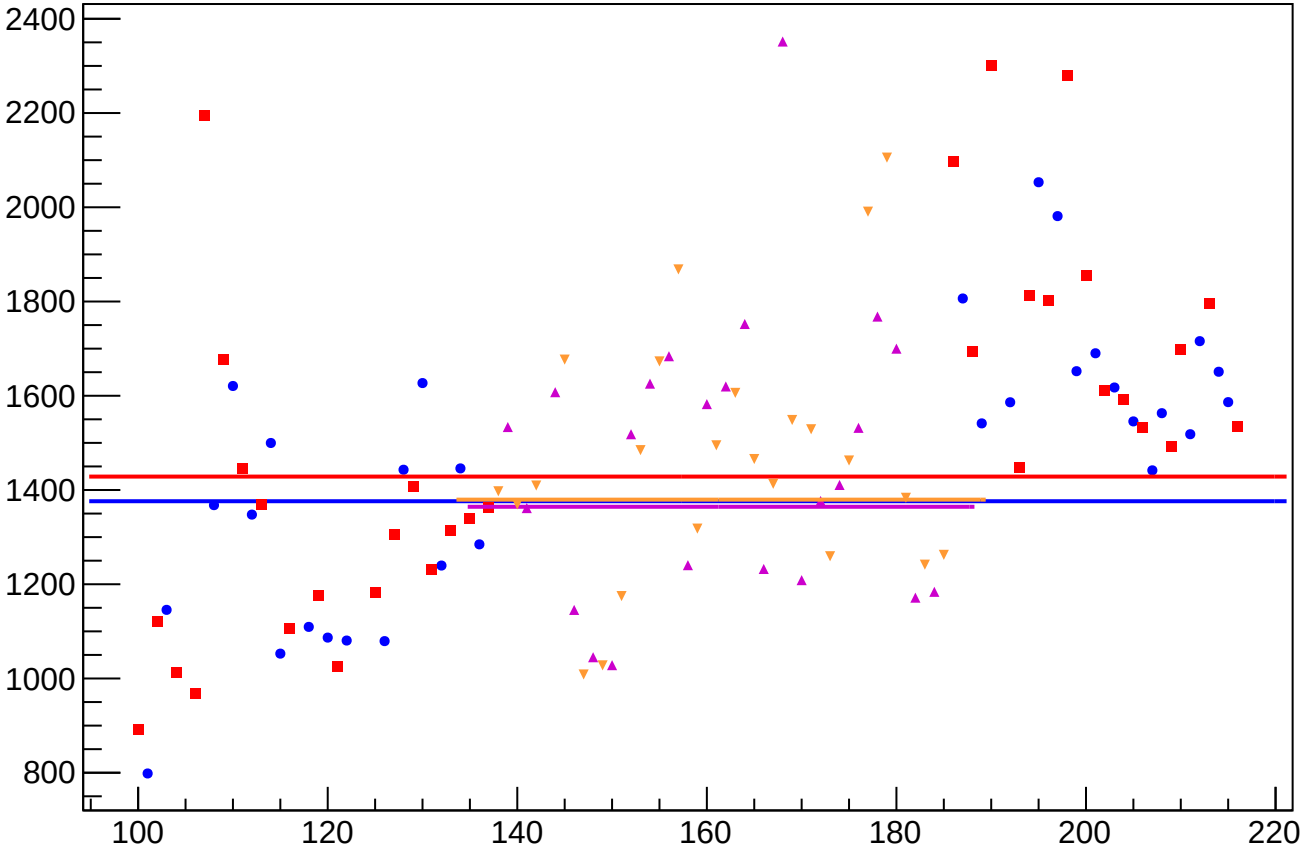
Right: -56.796+/-231.844 χ^2/NDF: 76.7/63

In: 22.685+/-229.193 χ^2/NDF:49.0/53

Out: -189.745+/-233.755 χ^2/NDF:70.5/56

All: -81.437+/-163.653 χ^2/NDF: 119.9/110

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: 1428.483+/-0.236 χ^2/NDF: 1723726.7/32

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

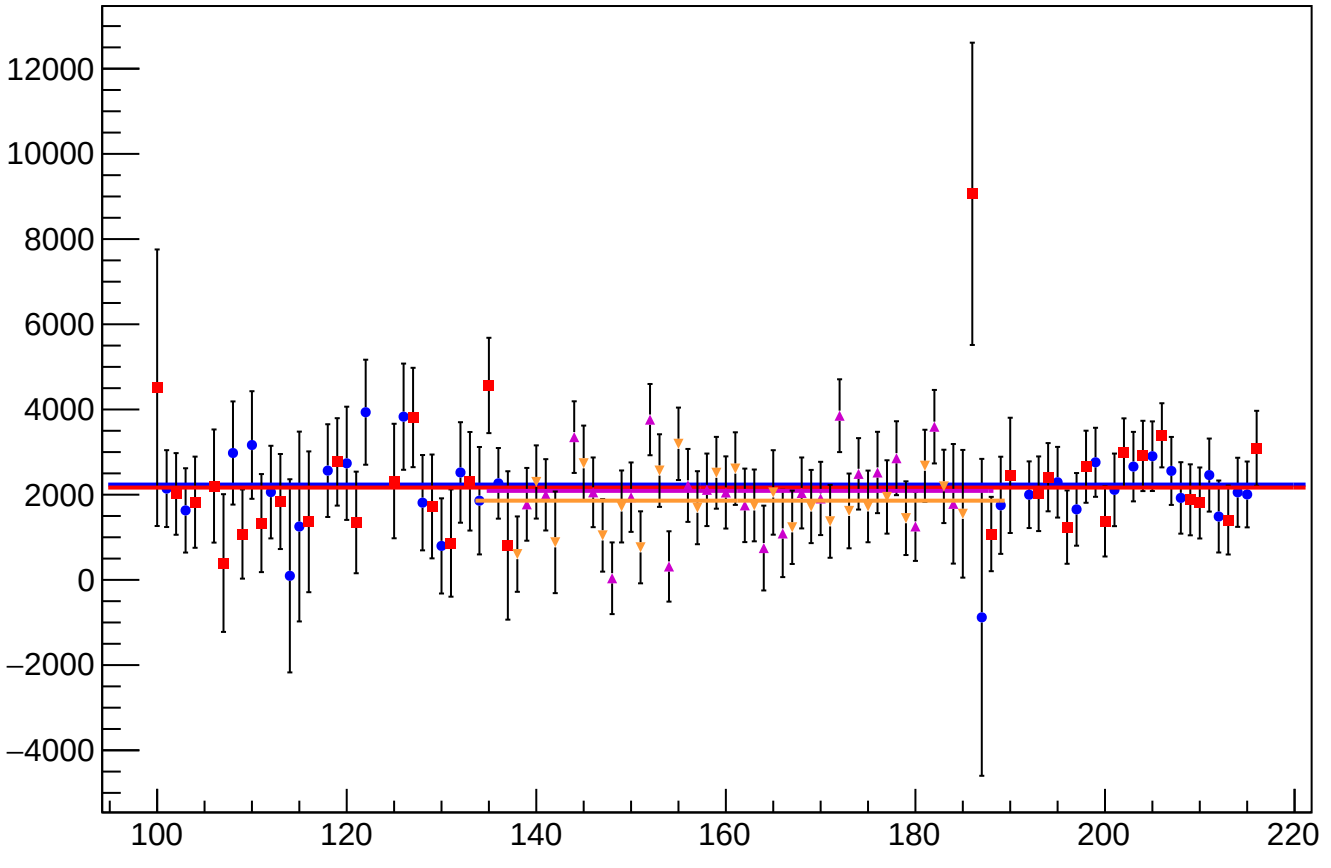
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1401.453+/-0.164 χ^2/NDF: 3570247.6/63

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

Out: 1403.573+/-0.165 χ^2/NDF:2904110.9/56

All: 1386.641+/-0.116 χ^2/NDF: 6059429.6/11



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: 2166.988+/-178.321 χ^2/NDF: 27.7/32

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

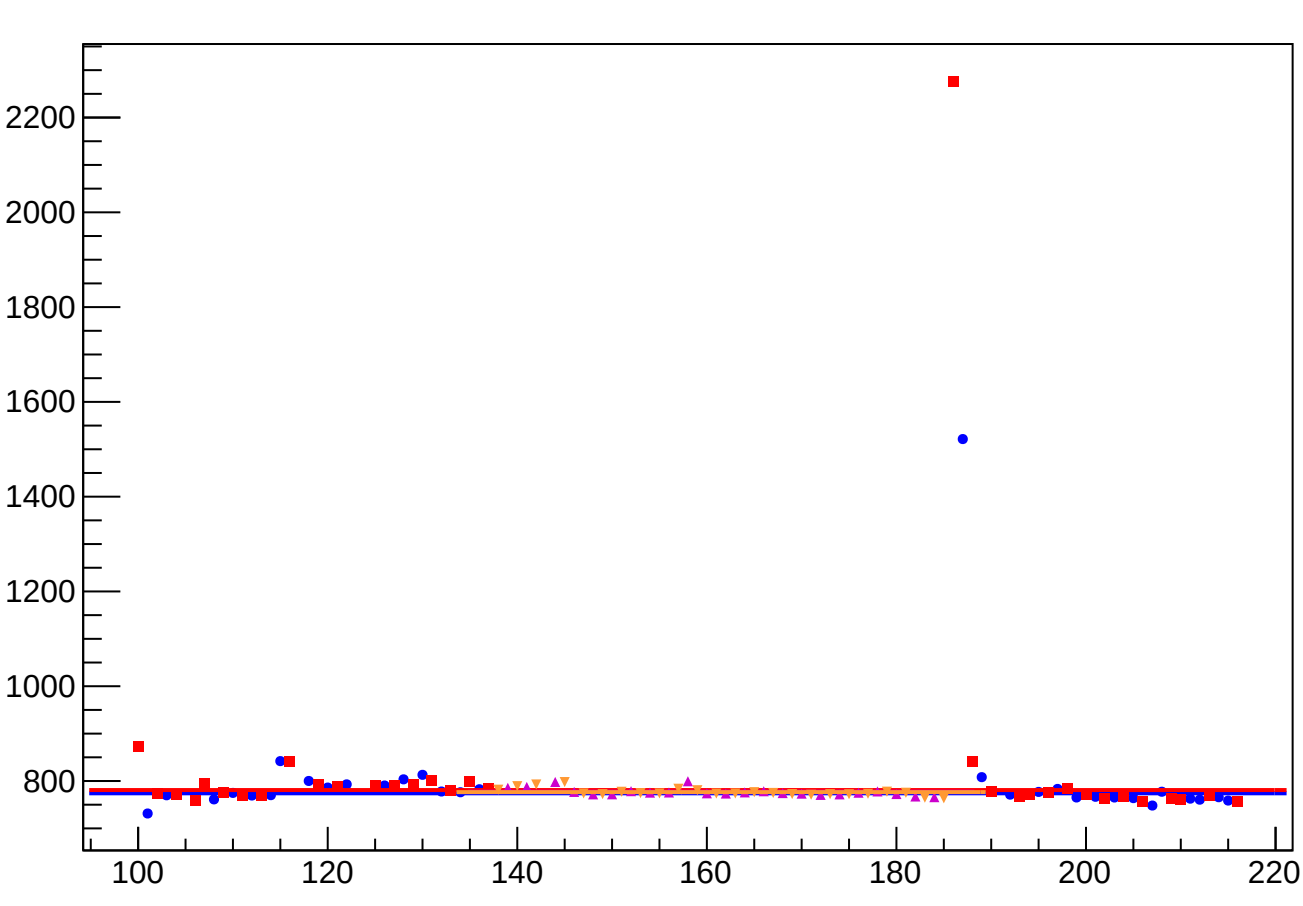
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2202.470+/-125.479 χ^2/NDF: 40.1/63

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

Out: 2014.895+/-126.762 χ^2/NDF:42.7/56

All: 2090.262+/-89.570 χ^2/NDF: 85.6/110



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: 780.909+/-0.126 χ^2/NDF: 380632.7/32

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

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

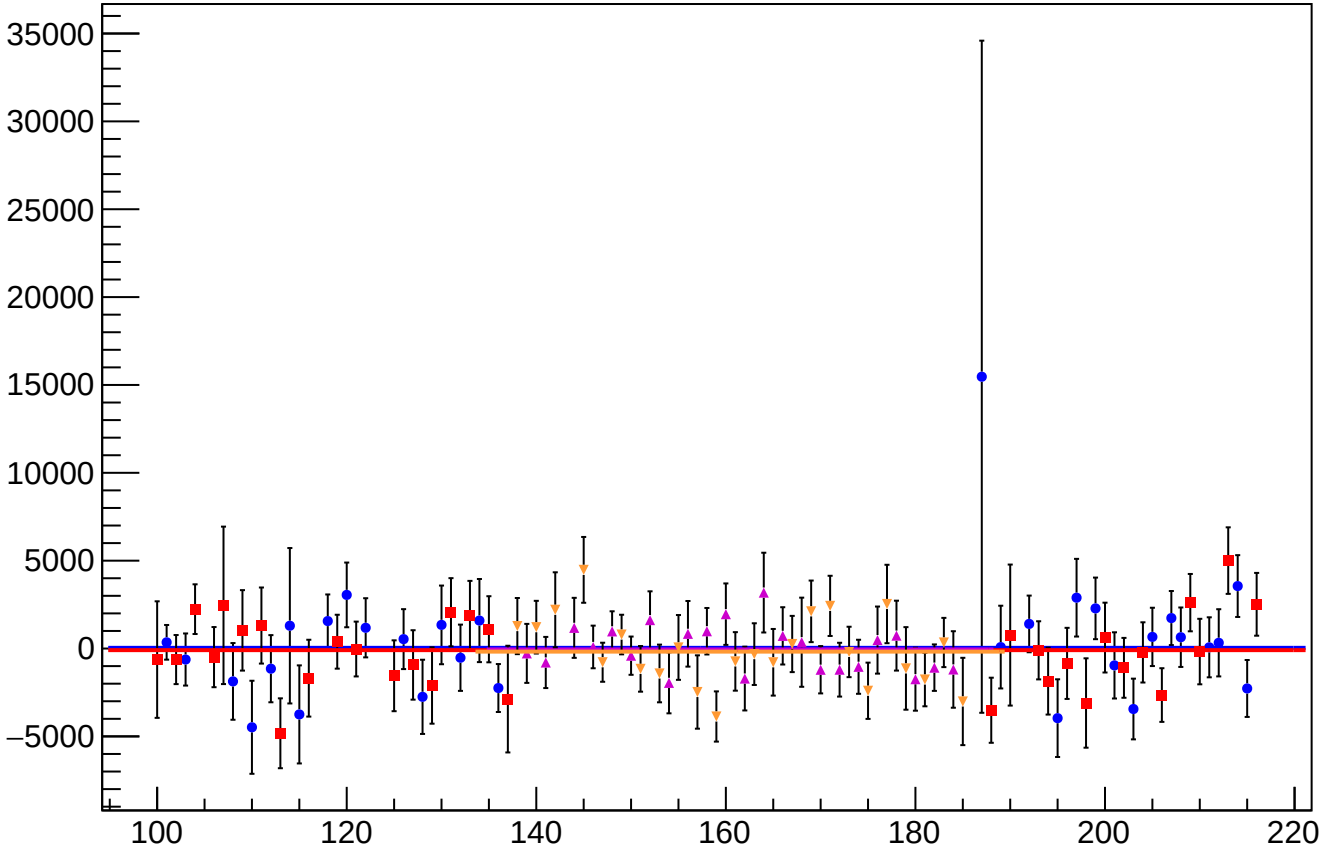
Right: 777.440+/-0.089 χ^2/NDF: 482697.5/63

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

Out: 778.739+/-0.090 χ^2/NDF:384368.4/56

All: 777.207+/-0.063 χ^2/NDF: 489935.1/110

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: -91.048+/-336.285 χ^2/NDF: 36.5/31

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

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

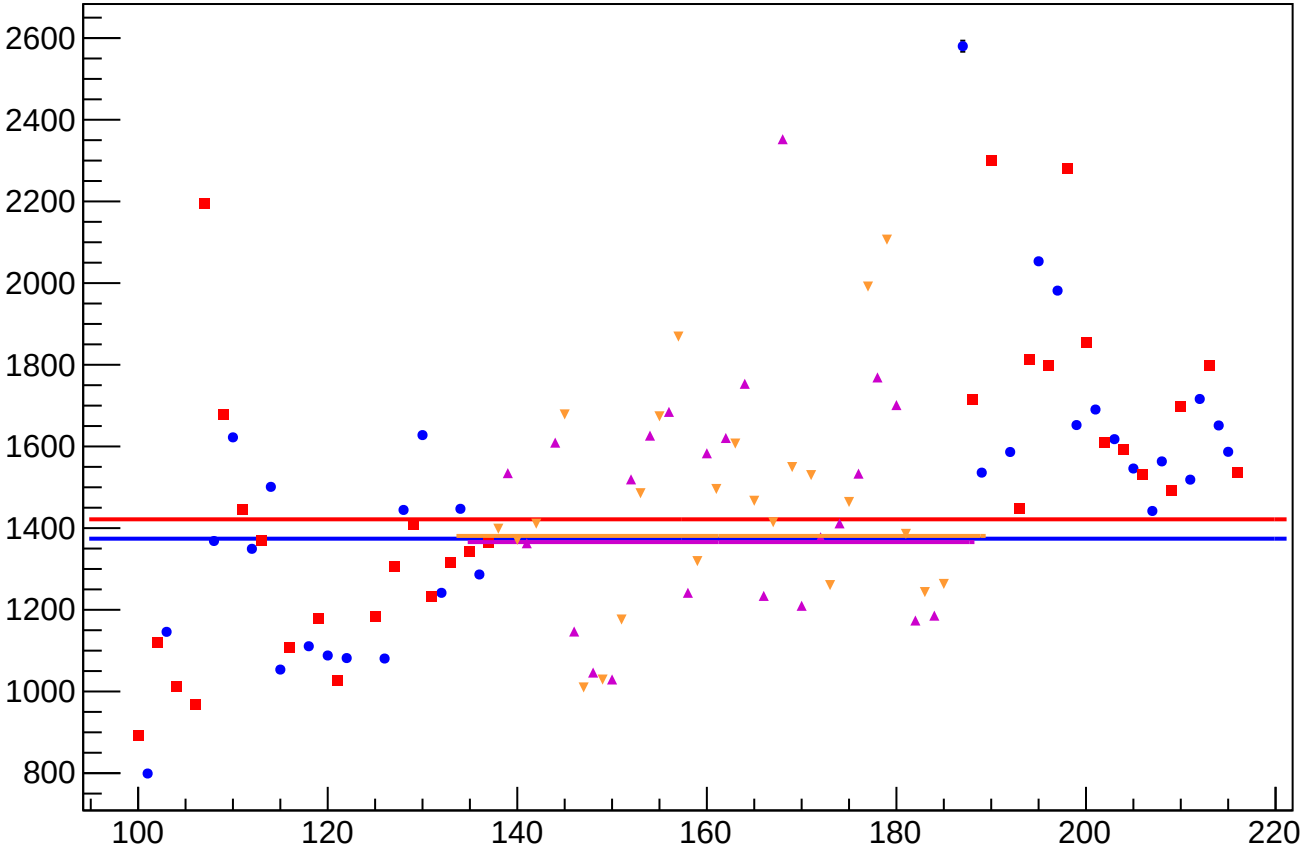
Right: -23.483+/-233.417 χ^2/NDF: 72.4/62

In: -6.478+/-229.938 χ^2/NDF:48.8/53

Out: -134.037+/-234.802 χ^2/NDF:66.2/55

All: -68.923+/-164.283 χ^2/NDF: 115.1/109

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: 1421.573+/-0.238 χ^2/NDF: 1633577.0/31

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

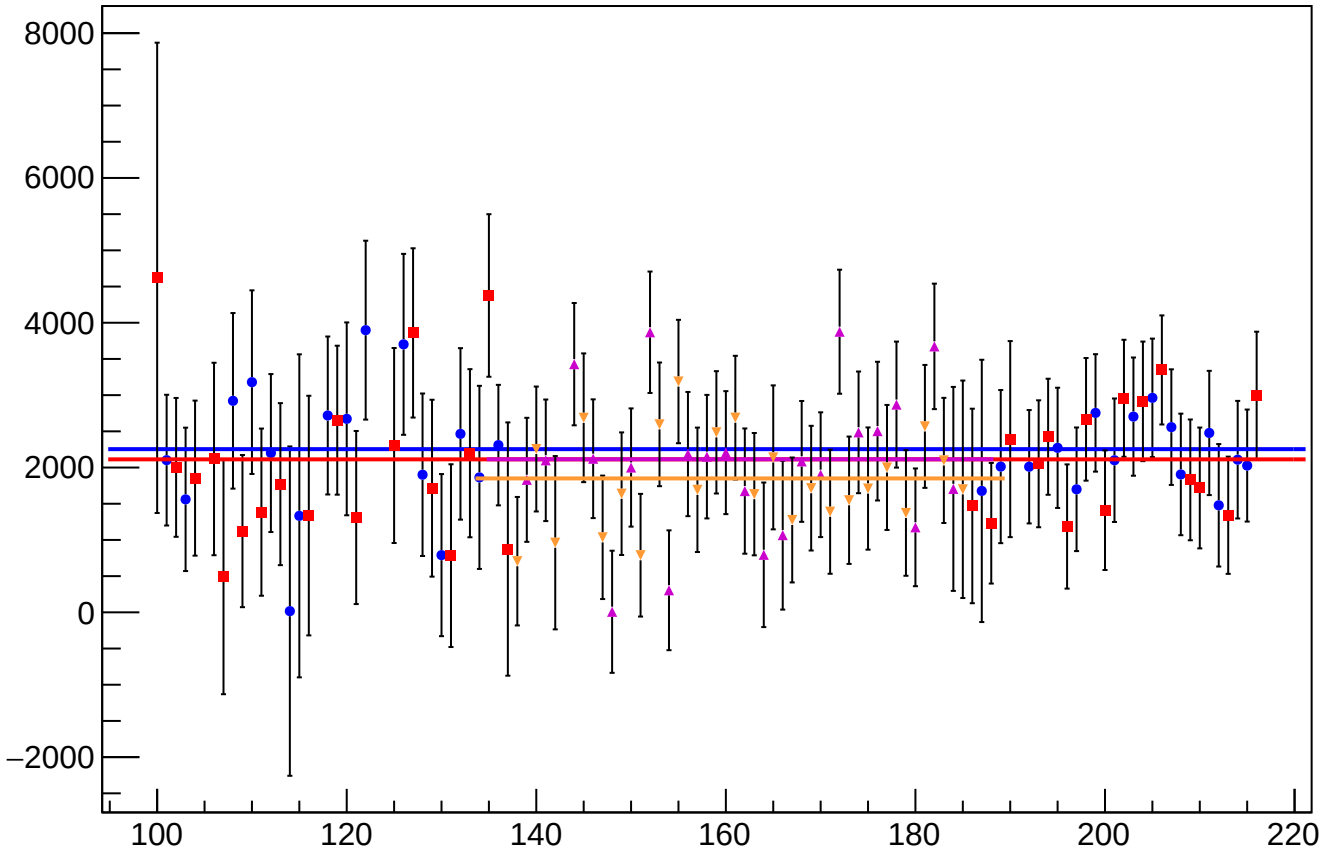
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1397.006+/-0.165 χ^2/NDF: 3454095.6/62

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

Out: 1400.756+/-0.166 χ^2/NDF:2803970.1/55

All: 1385.062+/-0.116 χ^2/NDF: 5930915.2/10



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: 2113.080+/-176.856 χ^2/NDF: 22.9/32

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

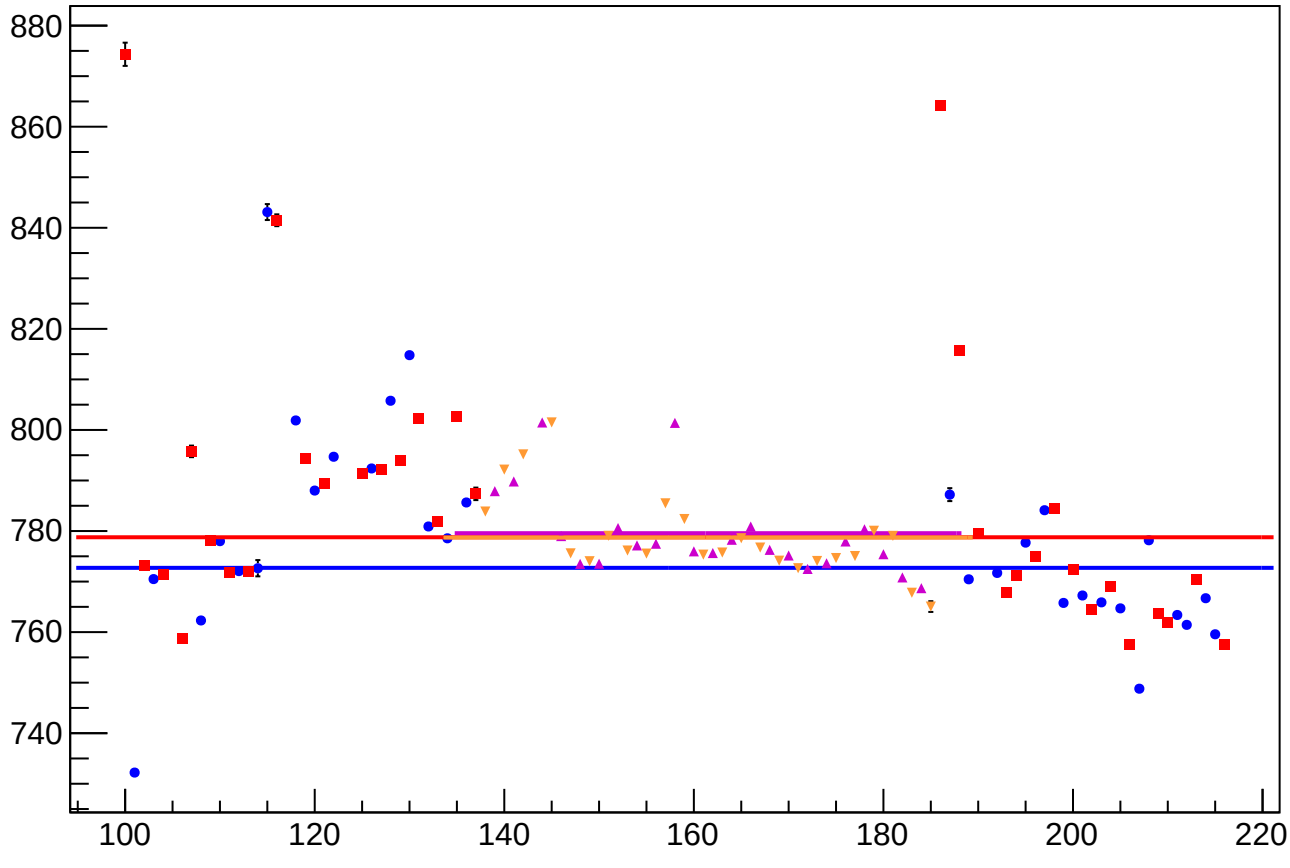
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2184.017+/-124.710 χ^2/NDF: 34.5/63

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

Out: 1984.197+/-126.407 χ^2/NDF:36.8/56

All: 2085.390+/-89.411 χ^2/NDF: 80.8/110



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: 778.768+/-0.125 χ^2/NDF: 26720.6/32

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

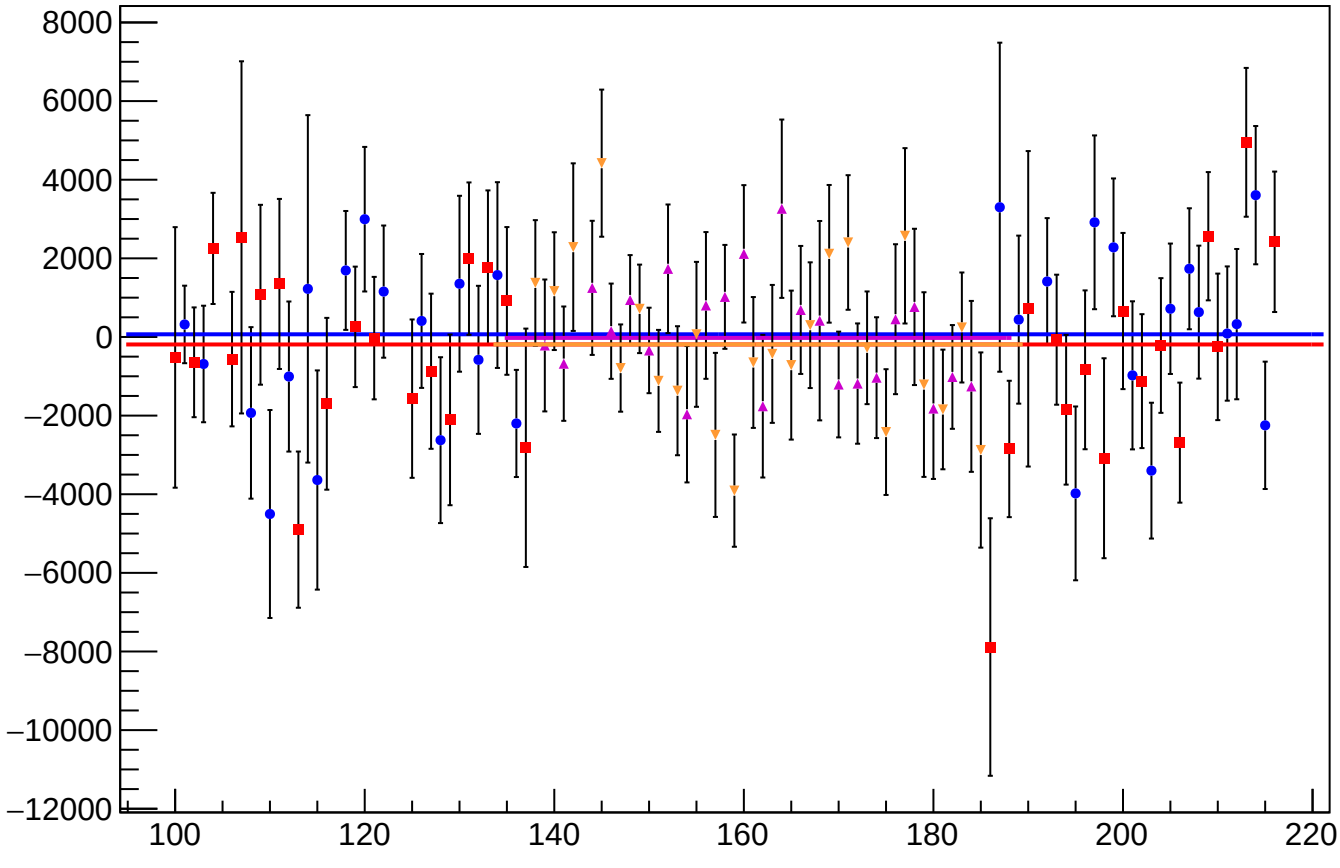
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 775.726+/-0.088 χ^2/NDF: 46396.1/63

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

Out: 778.739+/-0.089 χ^2/NDF:30110.4/56

All: 777.384+/-0.063 χ^2/NDF: 54709.4/110



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: -190.510+/-333.563 χ^2/NDF: 40.9/32

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

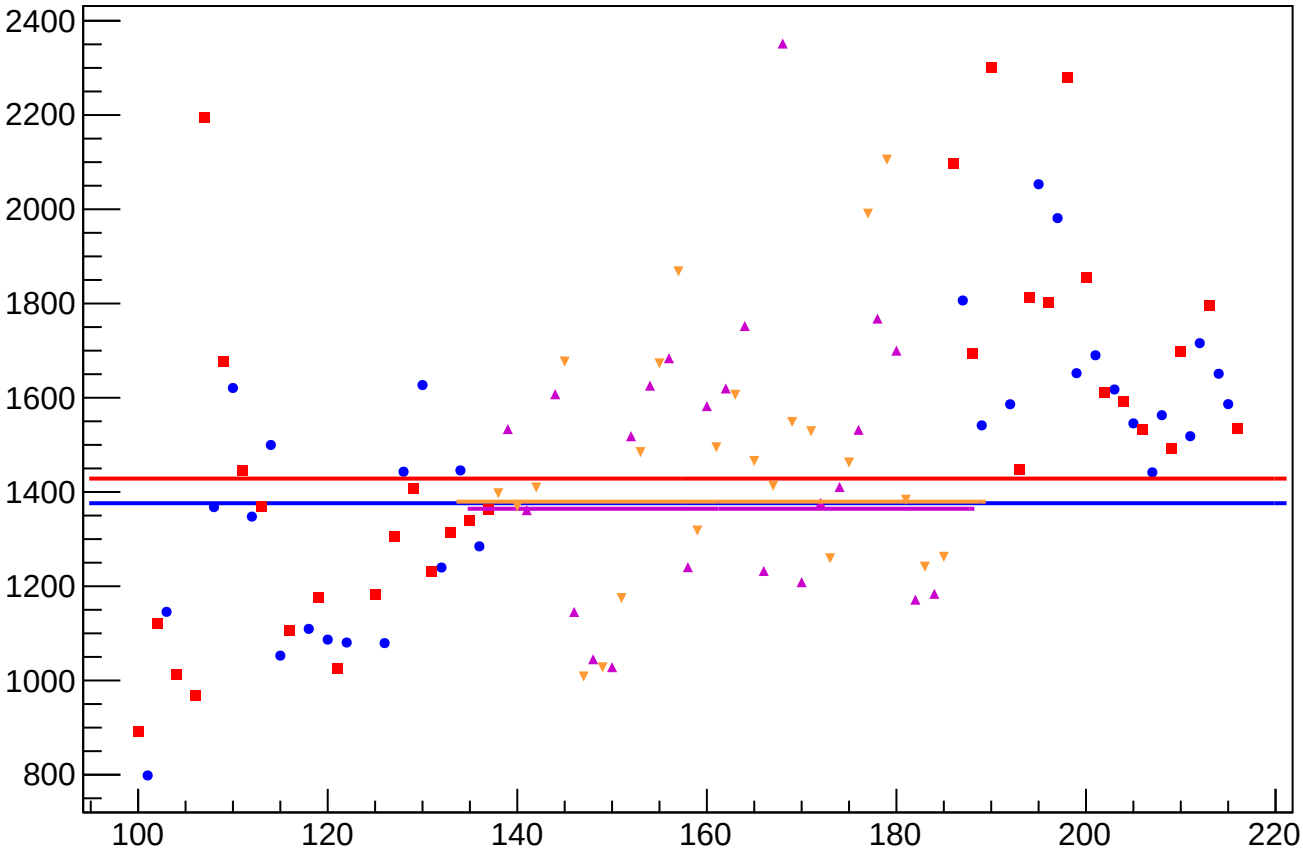
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -56.796+/-231.844 χ^2/NDF: 76.7/63

In: 22.685+/-229.193 χ^2/NDF:49.0/53

Out: -189.745+/-233.755 χ^2/NDF:70.5/56

All: -81.437+/-163.653 χ^2/NDF: 119.9/110



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: 1428.483+/-0.236 χ^2/NDF: 1723726.7/32

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

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

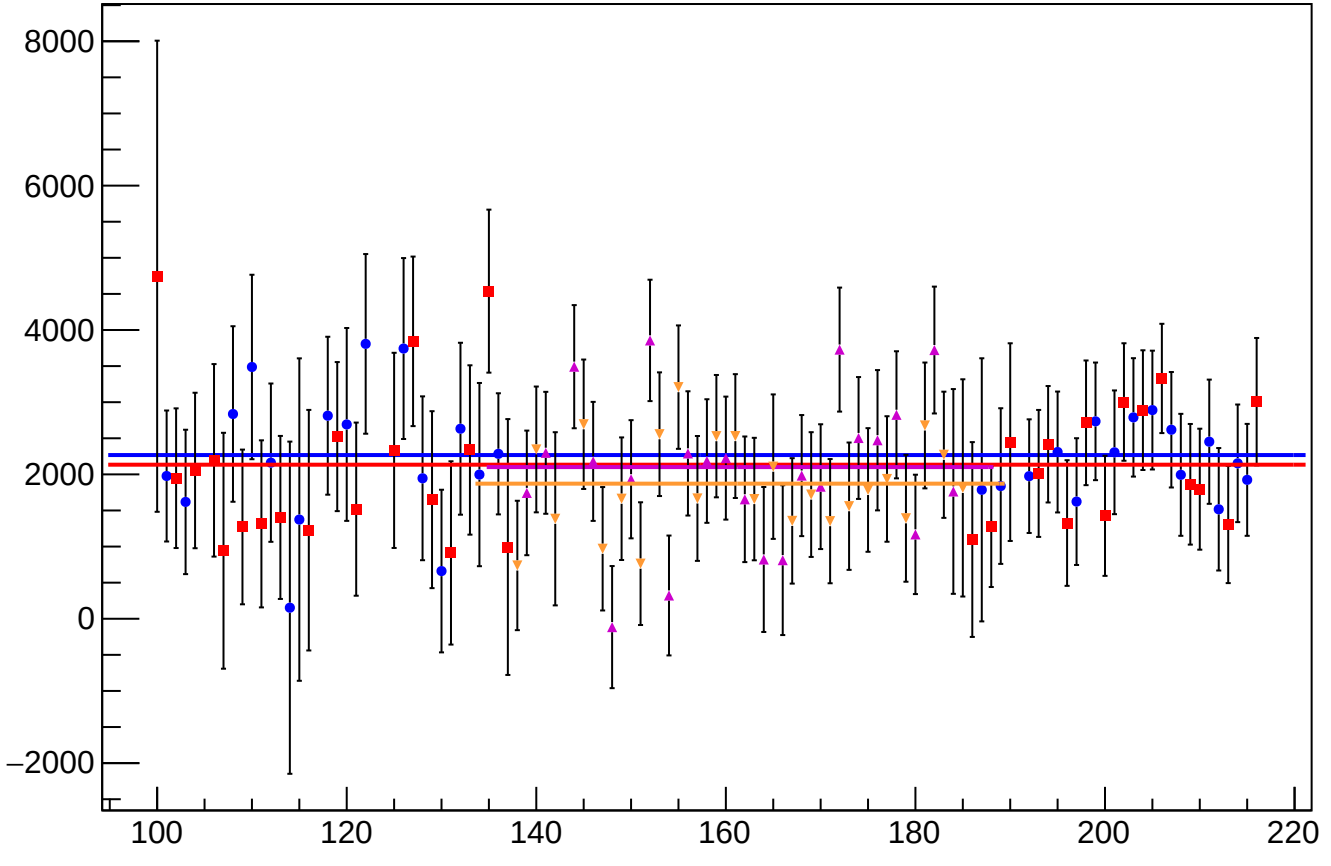
Right: 1401.453+/-0.164 χ^2/NDF: 3570247.6/63

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

Out: 1403.573+/-0.165 χ^2/NDF:2904110.9/56

All: 1386.641+/-0.116 χ^2/NDF: 6059429.6/11

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: 2134.107+/-177.990 χ^2/NDF: 22.3/32

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

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

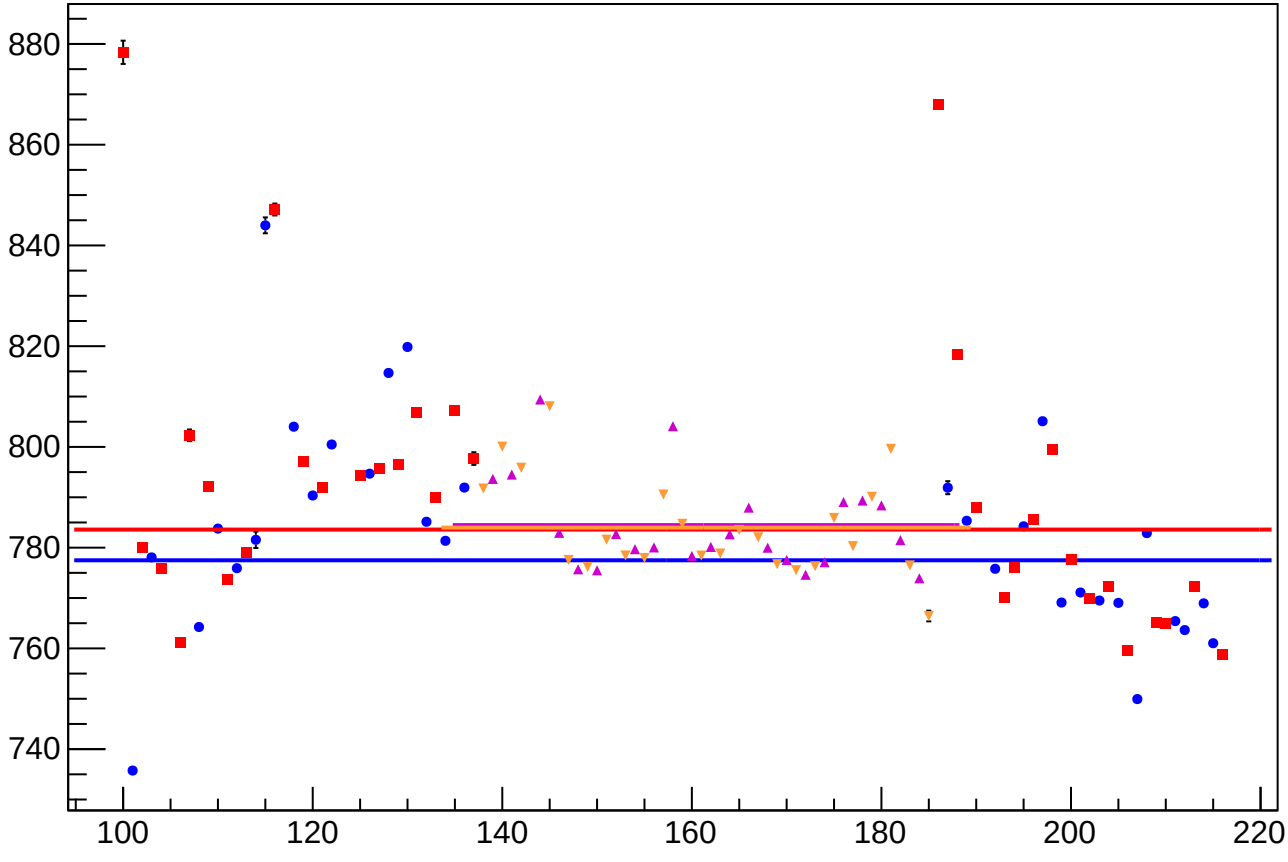
Right: 2201.314+/-125.505 χ^2/NDF: 34.4/63

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

Out: 2005.691+/-127.244 χ^2/NDF:35.9/56

All: 2096.452+/-89.989 χ^2/NDF: 80.8/110

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: 783.593+/-0.126 χ^2/NDF: 28229.4/32

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

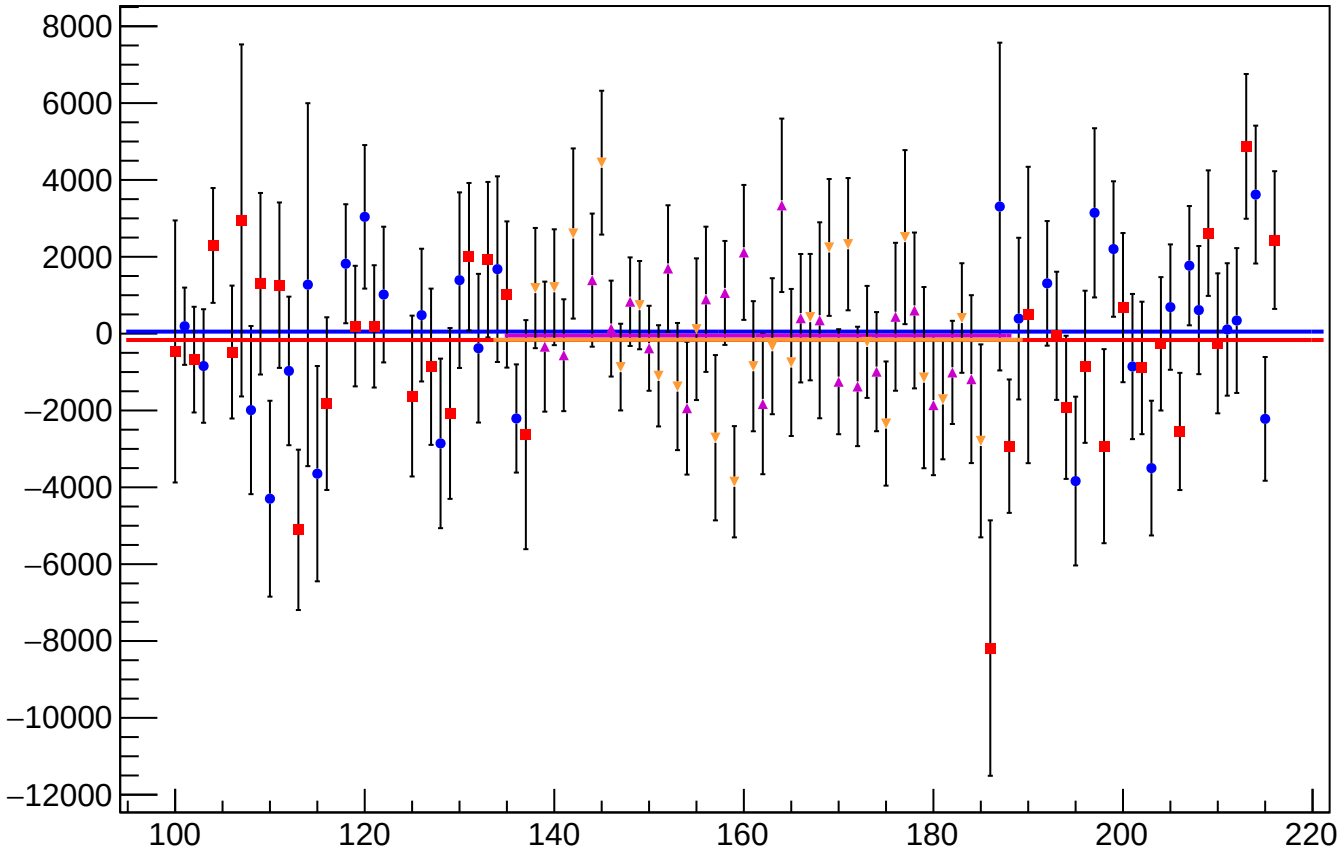
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 780.526+/-0.089 χ^2/NDF: 51379.5/63

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

Out: 783.783+/-0.090 χ^2/NDF:33162.1/56

All: 782.323+/-0.064 χ^2/NDF: 62086.9/110



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: -165.852+/-336.580 χ^2/NDF: 40.8/32

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

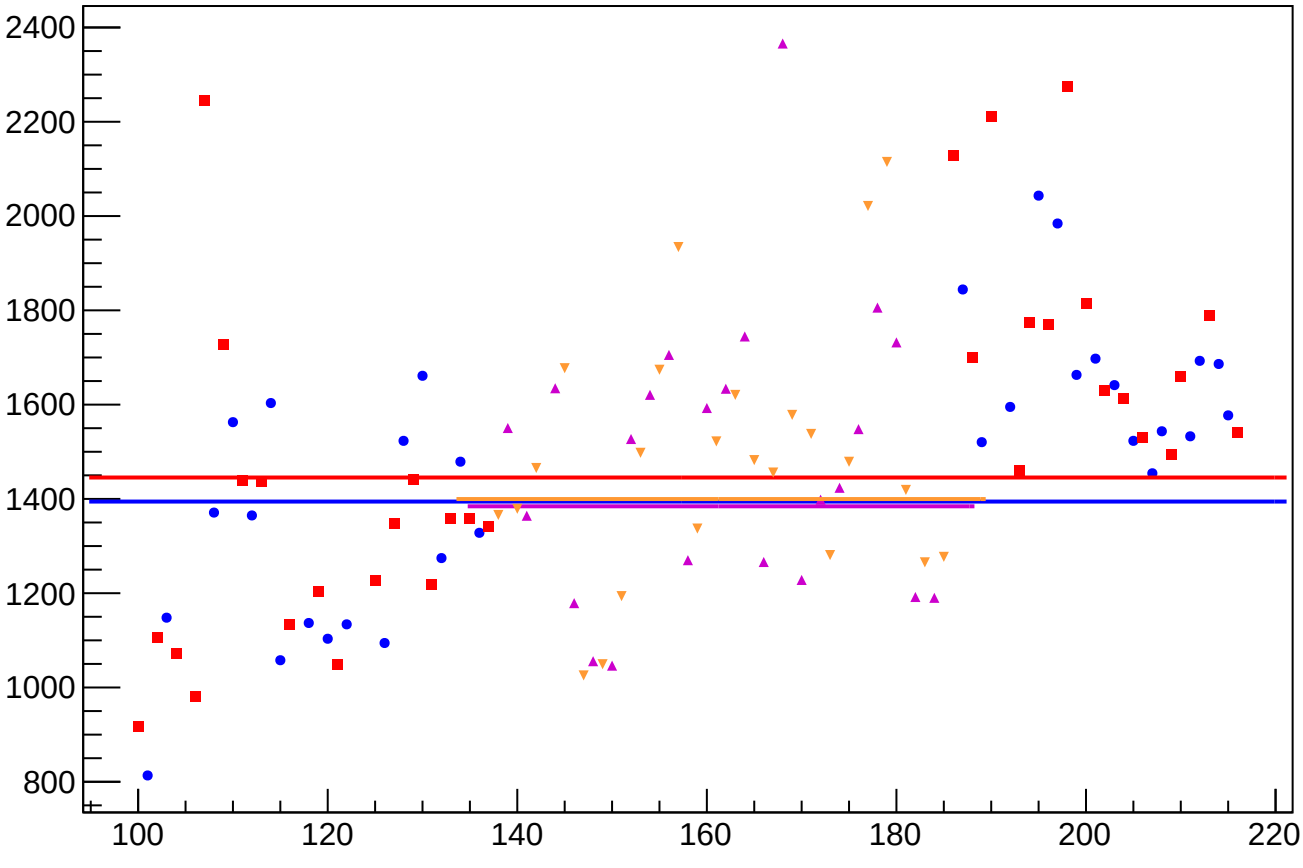
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: -53.075+/-234.136 χ^2/NDF: 76.2/63

In: 1.030+/-231.959 χ^2/NDF:48.7/53

Out: -162.520+/-236.431 χ^2/NDF:69.9/56

All: -79.183+/-165.578 χ^2/NDF: 118.8/110



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: 1445.402+/-0.238 χ^2/NDF: 1563193.8/32

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

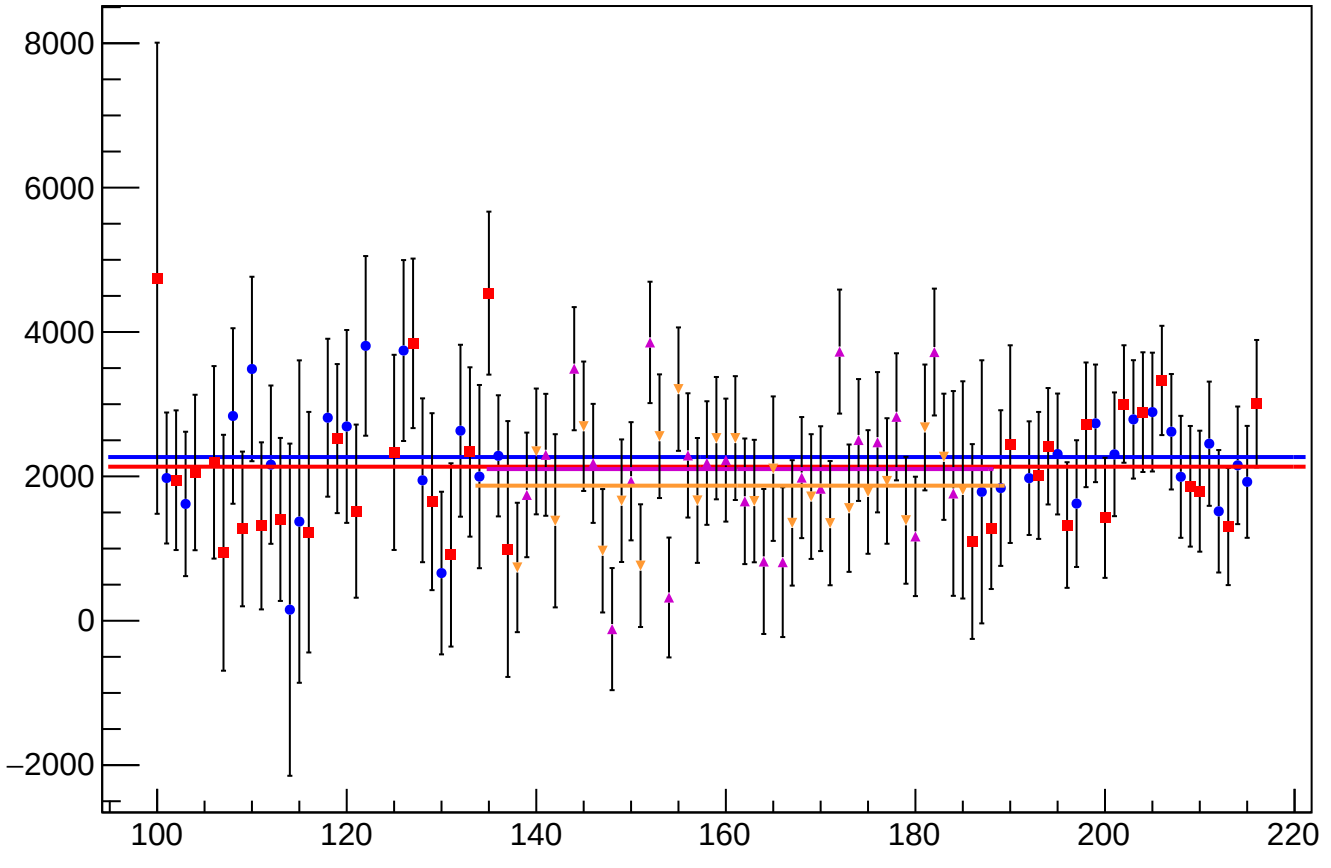
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1419.077+/-0.166 χ^2/NDF: 3297624.9/63

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

Out: 1422.260+/-0.167 χ^2/NDF:2718209.4/56

All: 1405.531+/-0.117 χ^2/NDF: 5719461.2/11



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: 2134.107+/-177.990 χ^2/NDF: 22.3/32

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

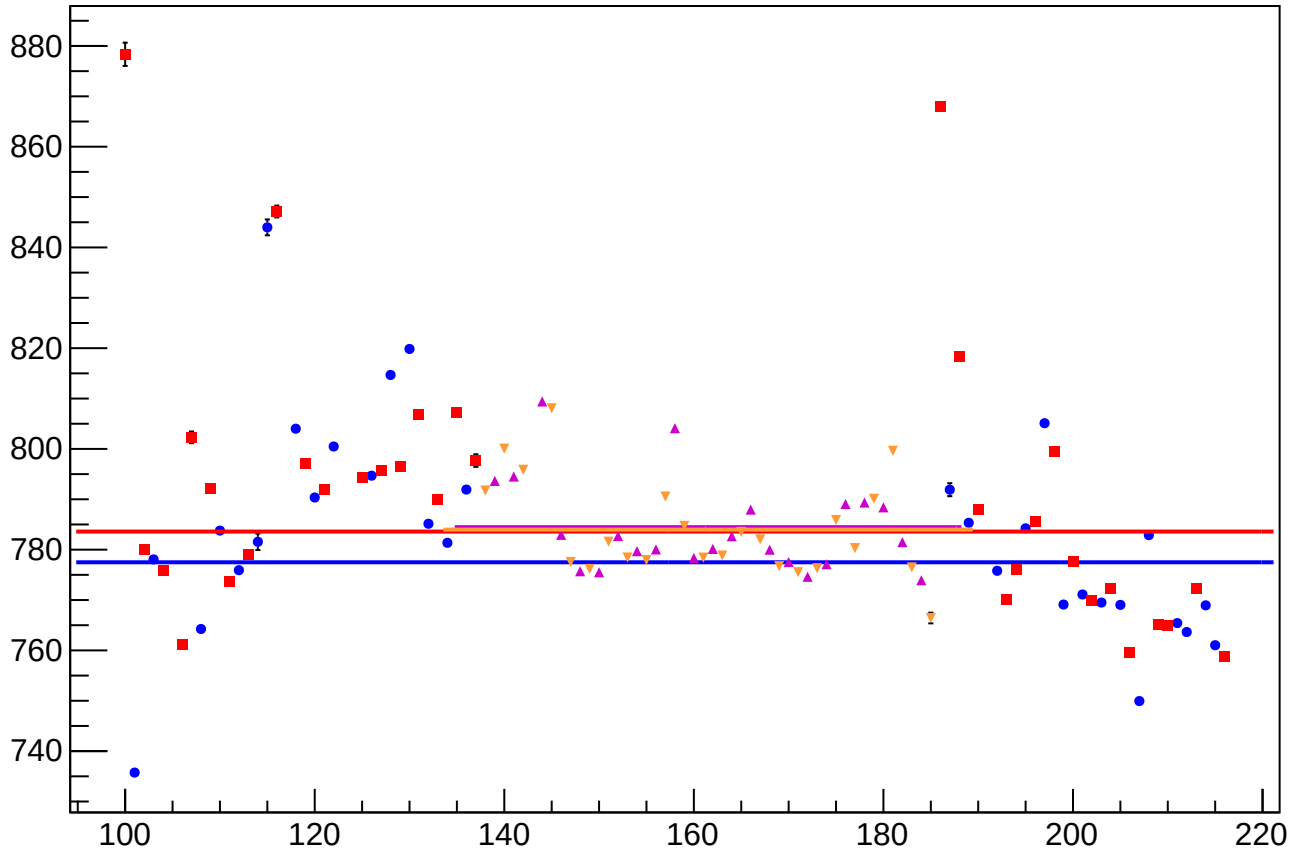
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2201.315+/-125.505 χ^2/NDF: 34.4/63

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

Out: 2005.689+/-127.244 χ^2/NDF:35.9/56

All: 2096.452+/-89.989 χ^2/NDF: 80.8/110



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: 783.593+/-0.126 χ^2/NDF: 28229.4/32

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

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

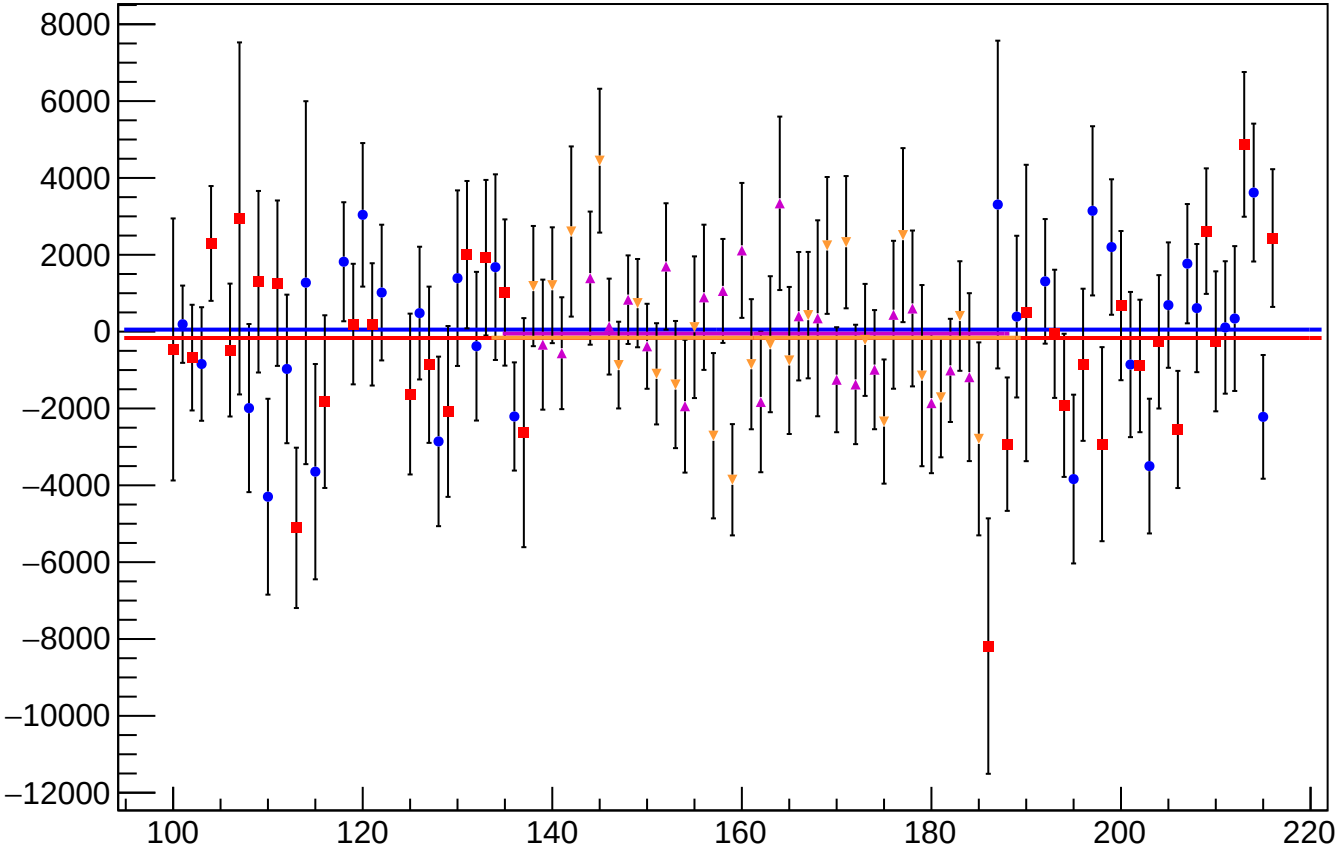
Right: 780.526+/-0.089 χ^2/NDF: 51379.3/63

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

Out: 783.783+/-0.090 χ^2/NDF:33162.1/56

All: 782.323+/-0.064 χ^2/NDF: 62086.7/110

asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -165.849+/-336.579 χ^2/NDF: 40.8/32

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

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

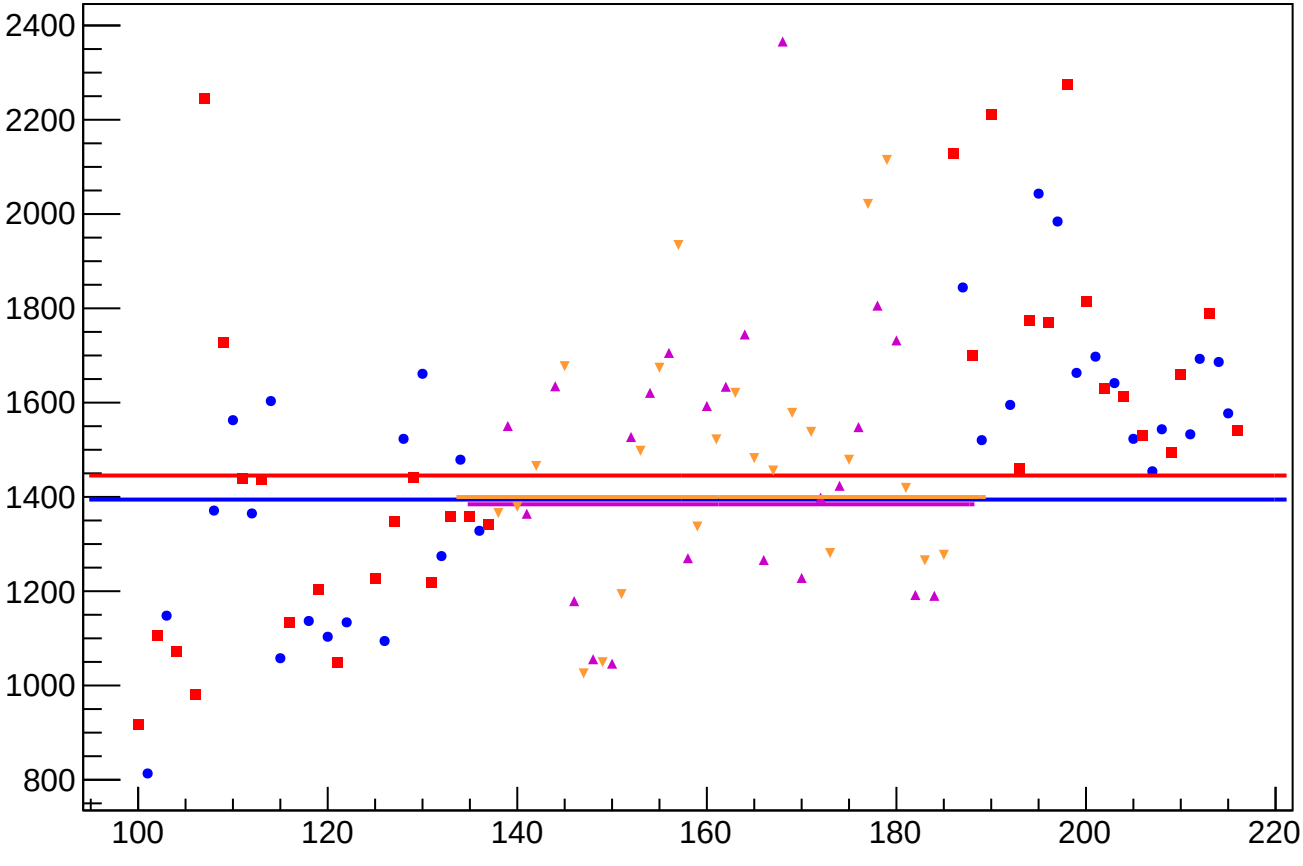
Right: -53.074+/-234.136 χ^2/NDF: 76.2/63

In: 1.031+/-231.959 χ^2/NDF:48.7/53

Out: -162.520+/-236.431 χ^2/NDF:69.9/56

All: -79.184+/-165.578 χ^2/NDF: 118.8/110

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1445.400+/-0.238 χ^2/NDF: 1563215.4/32

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

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

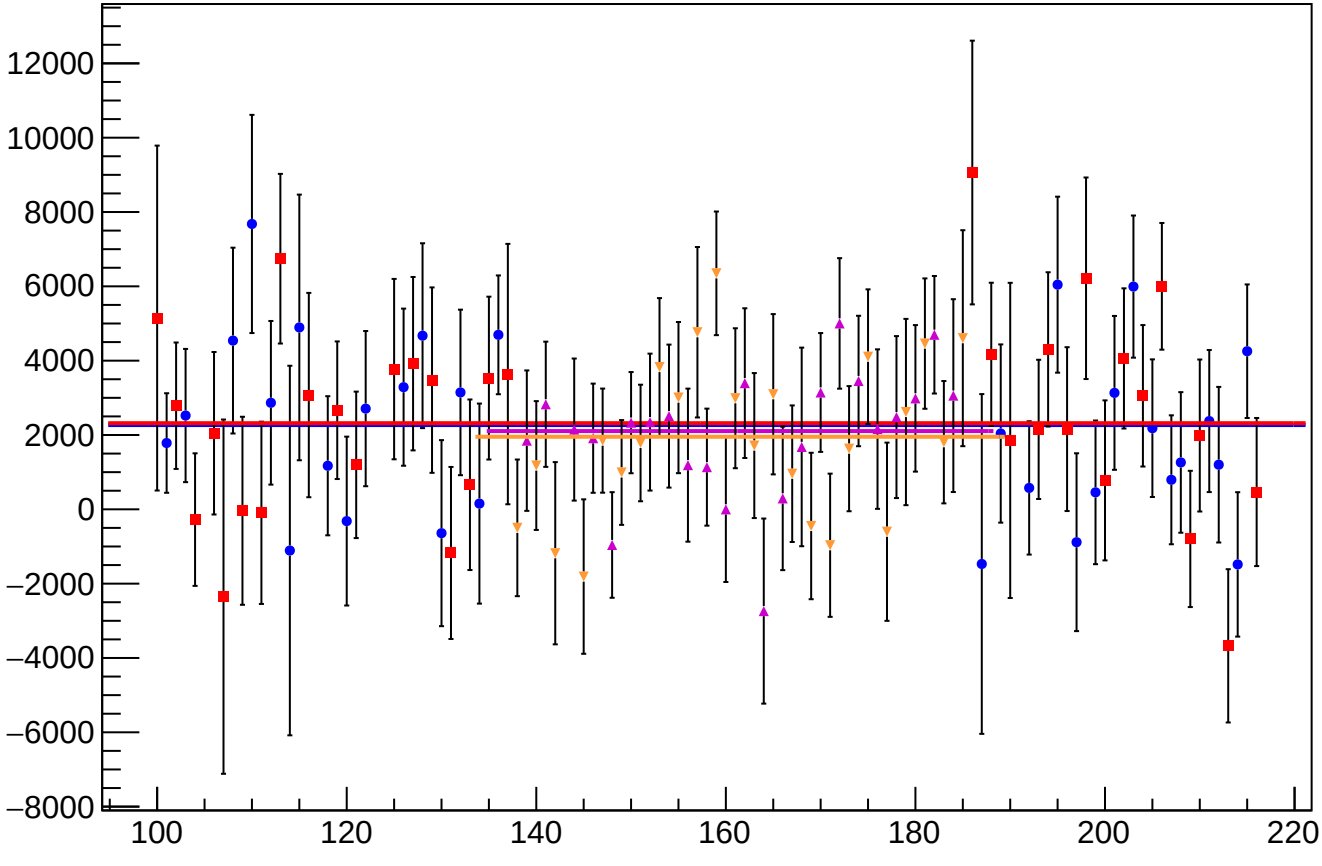
Right: 1419.076+/-0.166 χ^2/NDF: 3297667.8/63

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

Out: 1422.260+/-0.167 χ^2/NDF:2718228.4/56

All: 1405.532+/-0.117 χ^2/NDF: 5719501.7/11

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: 2317.565+/-385.162 χ^2/NDF: 39.8/32

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

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

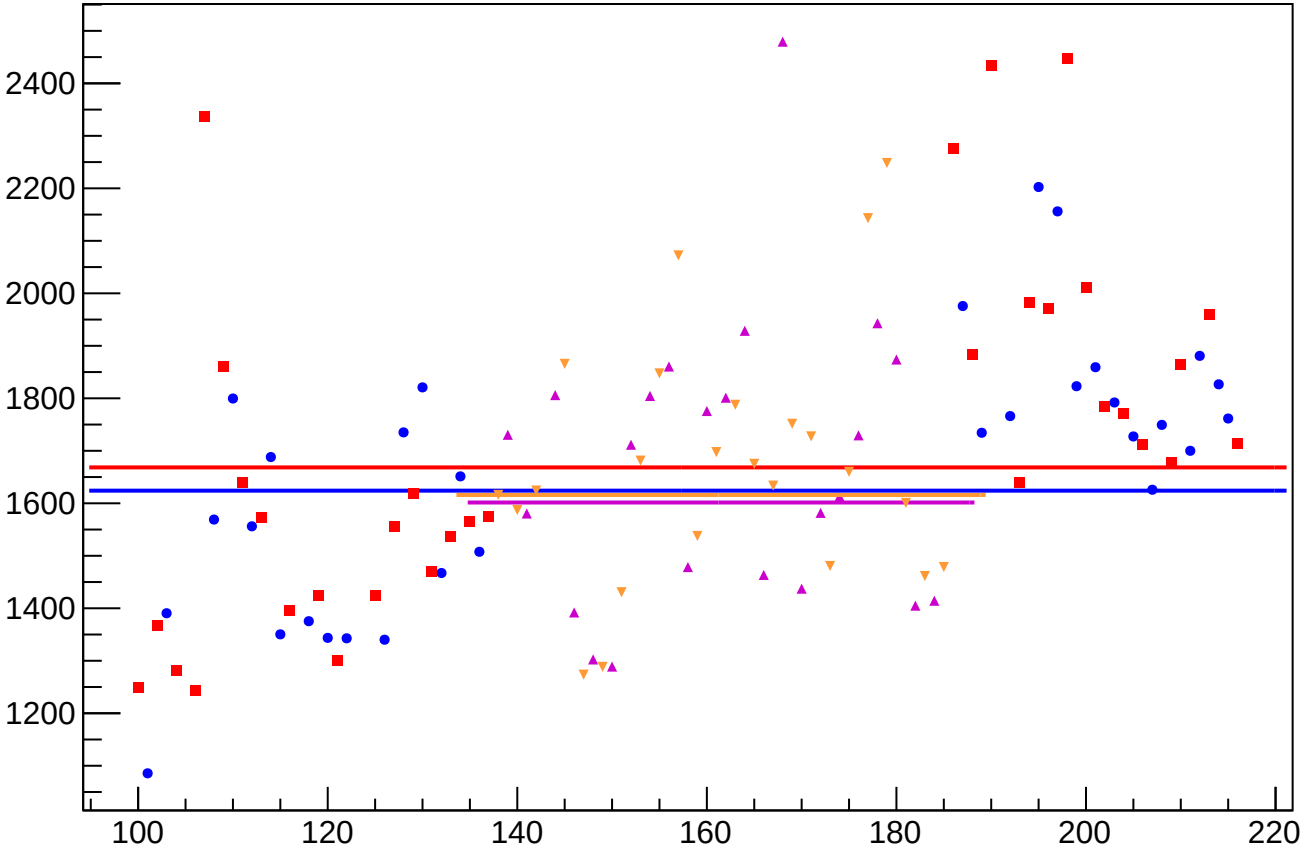
Right: 2291.771+/-268.851 χ^2/NDF: 69.5/63

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

Out: 2132.651+/-270.604 χ^2/NDF:67.6/56

All: 2160.272+/-189.968 χ^2/NDF: 116.0/110

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: 1668.383+/-0.272 χ^2/NDF: 1000861.9/32

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

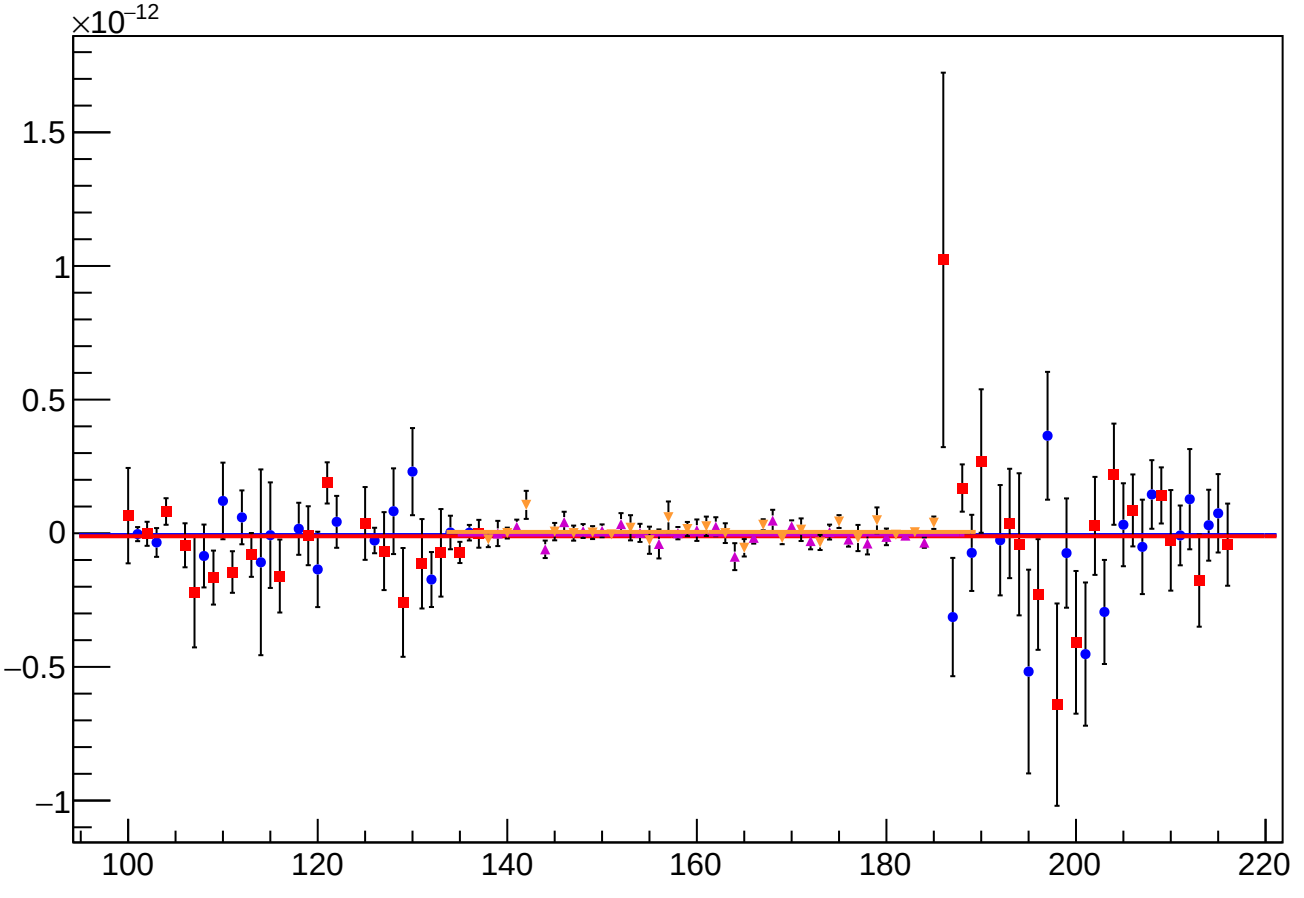
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1645.664+/-0.190 χ^2/NDF: 1959959.1/63

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

Out: 1641.782+/-0.191 χ^2/NDF:1714053.0/56

All: 1627.131+/-0.134 χ^2/NDF: 3468444.9/11



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: 42.2/32

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

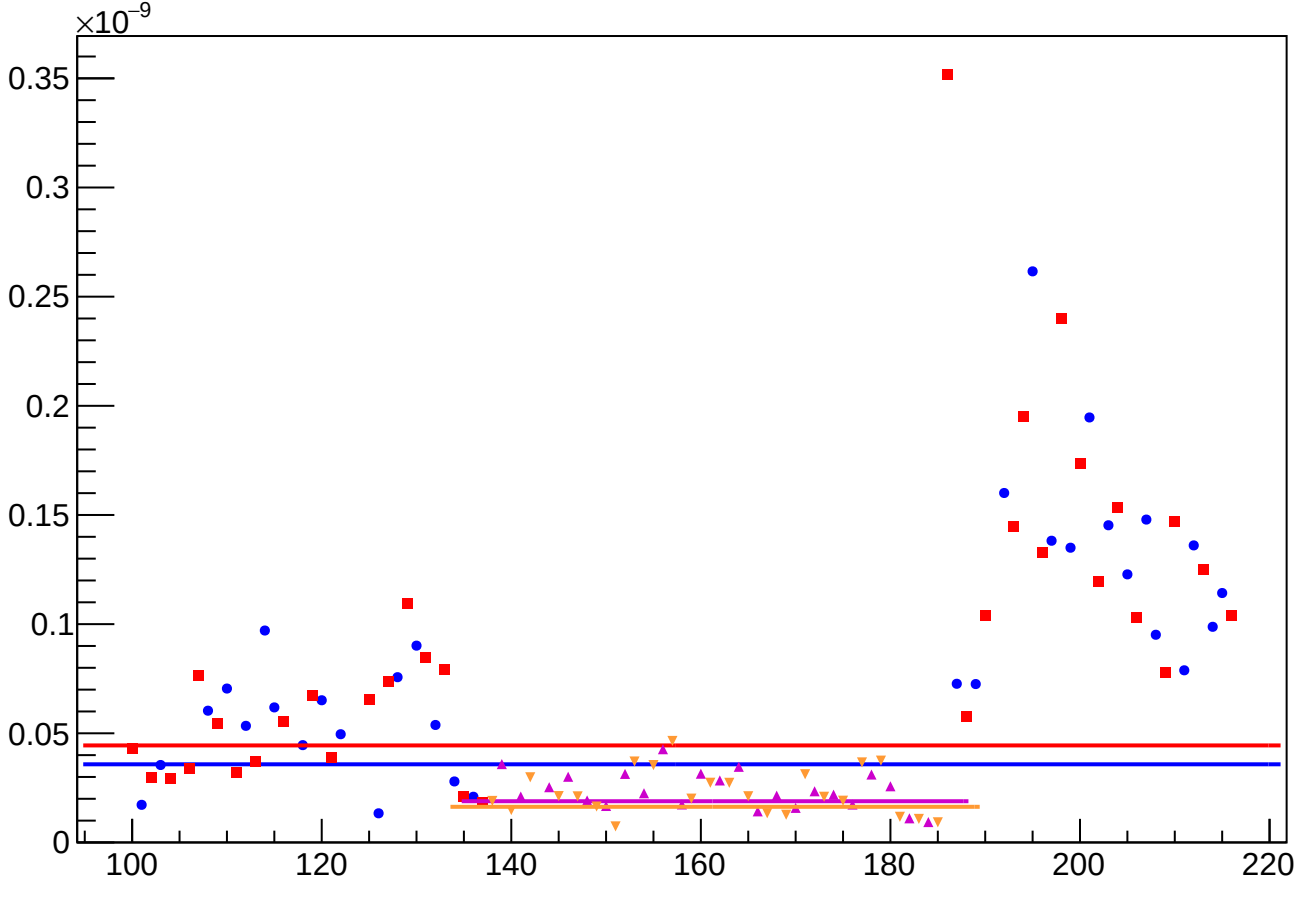
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 64.6/63

In: -0.000+/-0.000 χ^2/NDF:41.8/53

Out: 0.000+/-0.000 χ^2/NDF:64.1/56

All: -0.000+/-0.000 χ^2/NDF: 107.2/110



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: 8339246.5/32

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

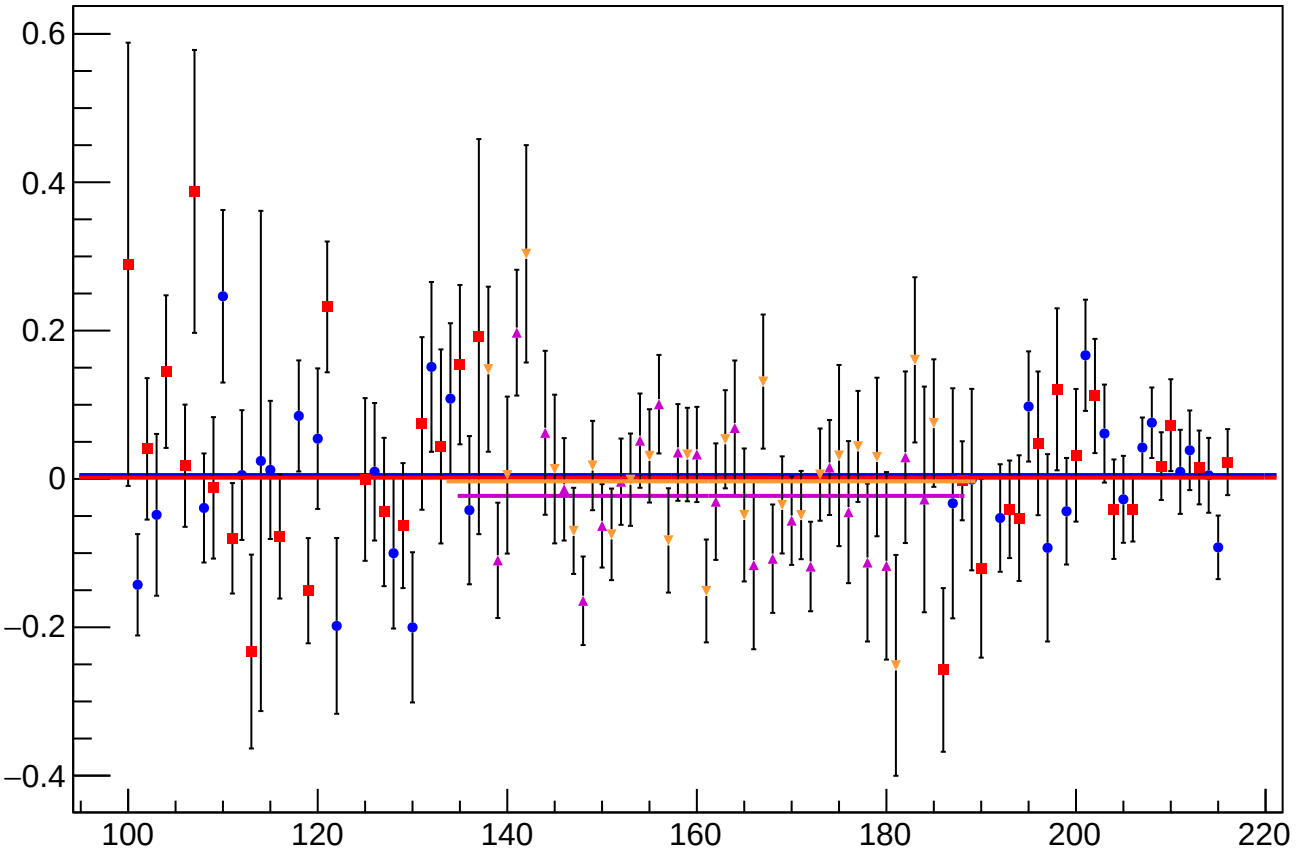
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 19086446.9/63

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

Out: 0.000+/-0.000 χ^2/NDF:17711827.6/56

All: 0.000+/-0.000 χ^2/NDF: 34009781.9/110



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: 0.002+/-0.013 χ^2/NDF: 41.8/32

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

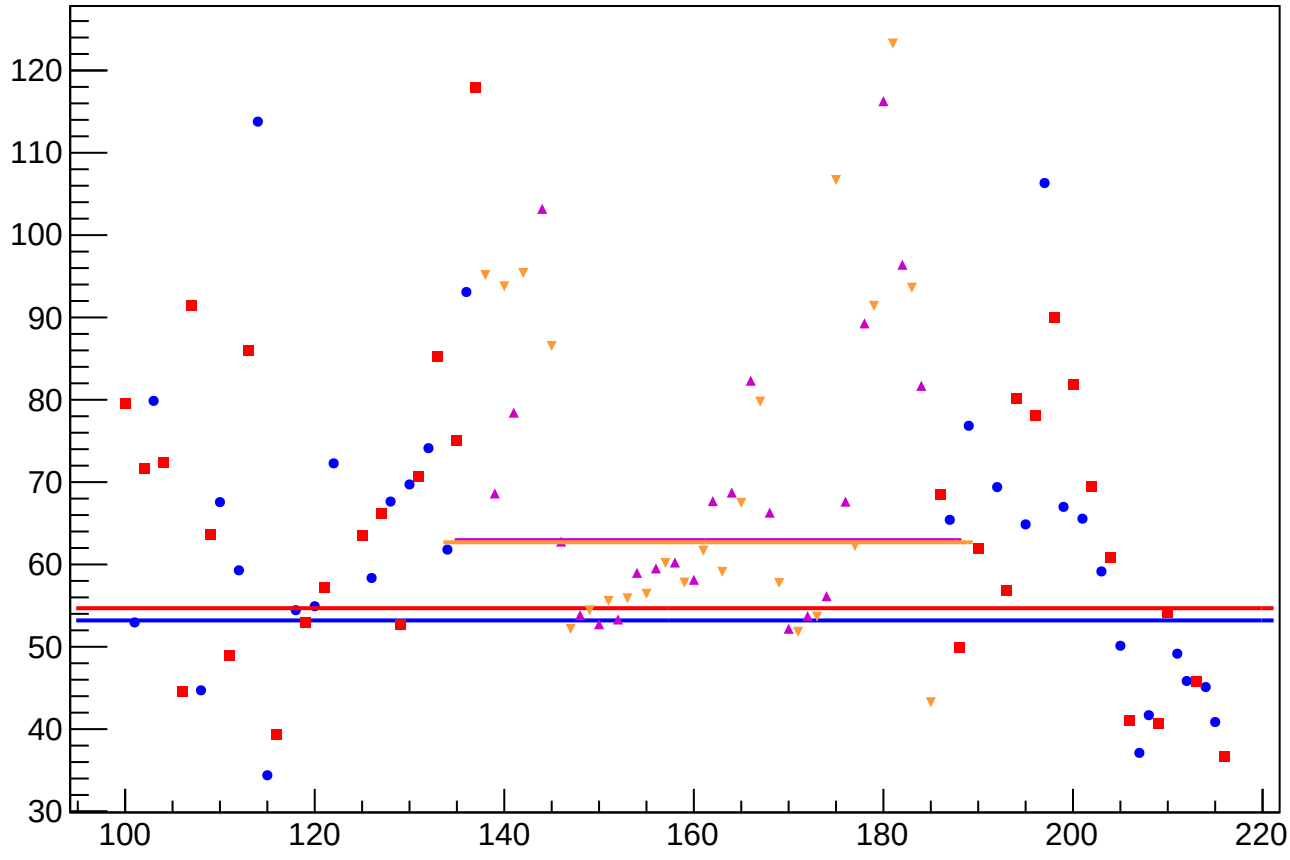
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.004+/-0.009 χ^2/NDF: 81.5/63

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: -0.000+/-0.010 χ^2/NDF:67.8/56

All: -0.004+/-0.007 χ^2/NDF: 138.4/110



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: 54.686+/-0.010 χ^2/NDF: 2448913.7/32

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

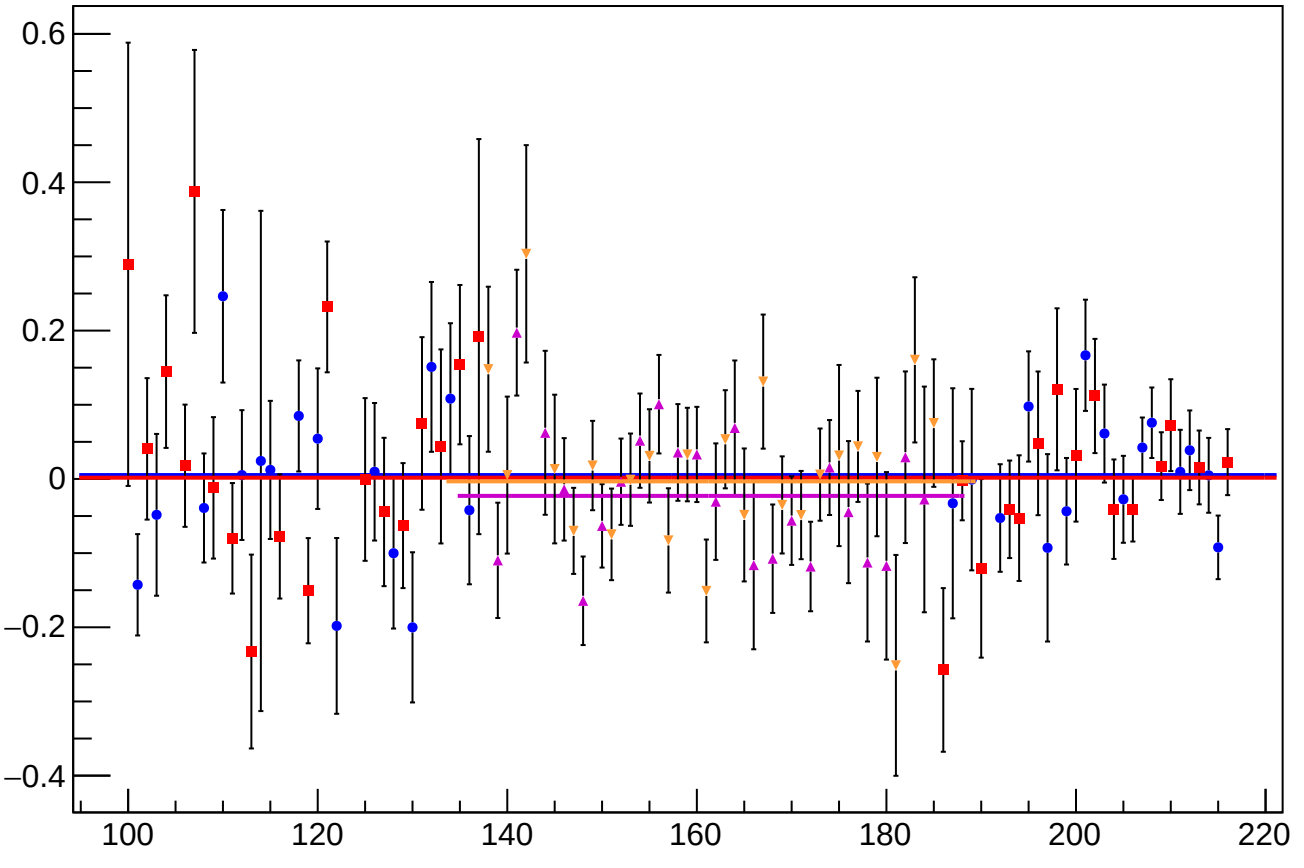
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

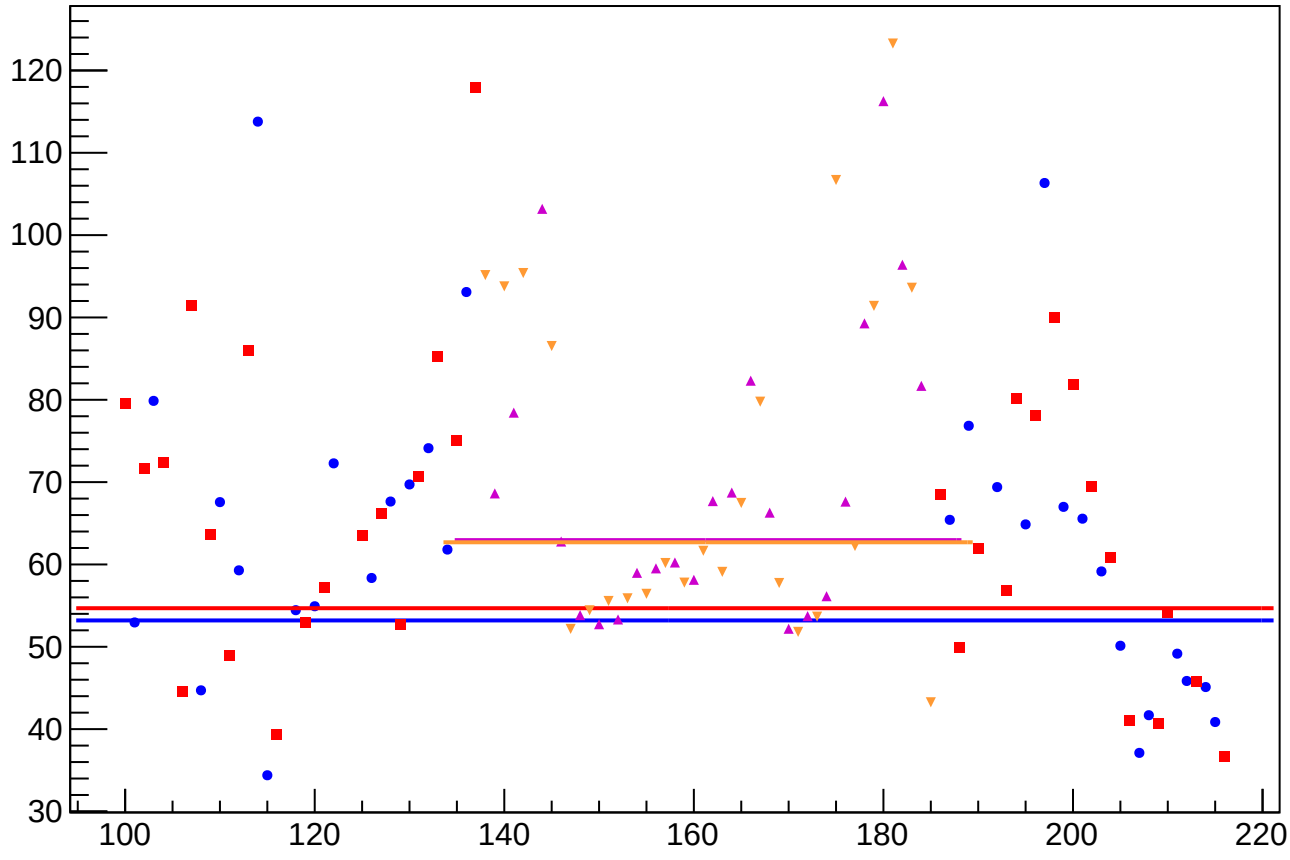
Right: 53.924+/-0.007 χ^2/NDF: 4783882.9/63

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

Out: 58.126+/-0.007 χ^2/NDF:4693279.7/56

All: 57.688+/-0.005 χ^2/NDF: 8916142.8/110


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
220
Right In: 0.005+/-0.013 χ²/NDF: 39.6/30
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: 0.002+/-0.013 χ²/NDF: 41.8/32
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.004+/-0.009 χ²/NDF: 81.5/63
In: -0.006+/-0.010 χ²/NDF:70.5/53
Out: -0.000+/-0.010 χ²/NDF:67.8/56
All: -0.004+/-0.007 χ²/NDF: 138.4/110



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: 54.686+/-0.010 χ^2/NDF: 2448913.7/32

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

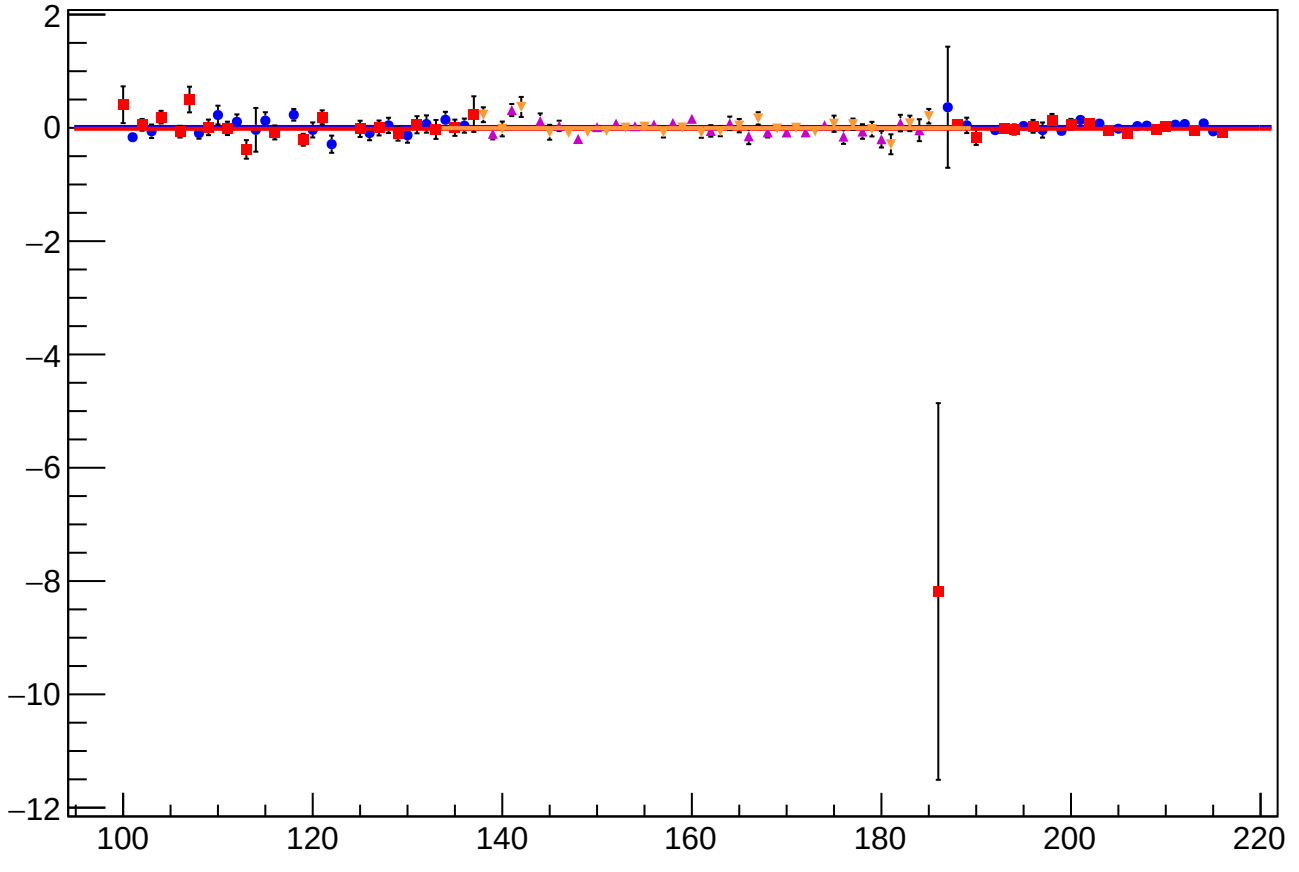
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 53.924+/-0.007 χ^2/NDF: 4783882.9/63

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

Out: 58.126+/-0.007 χ^2/NDF:4693279.7/56

All: 57.688+/-0.005 χ^2/NDF: 8916142.8/110



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: -0.017+/-0.017 χ^2/NDF: 39.9/32

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

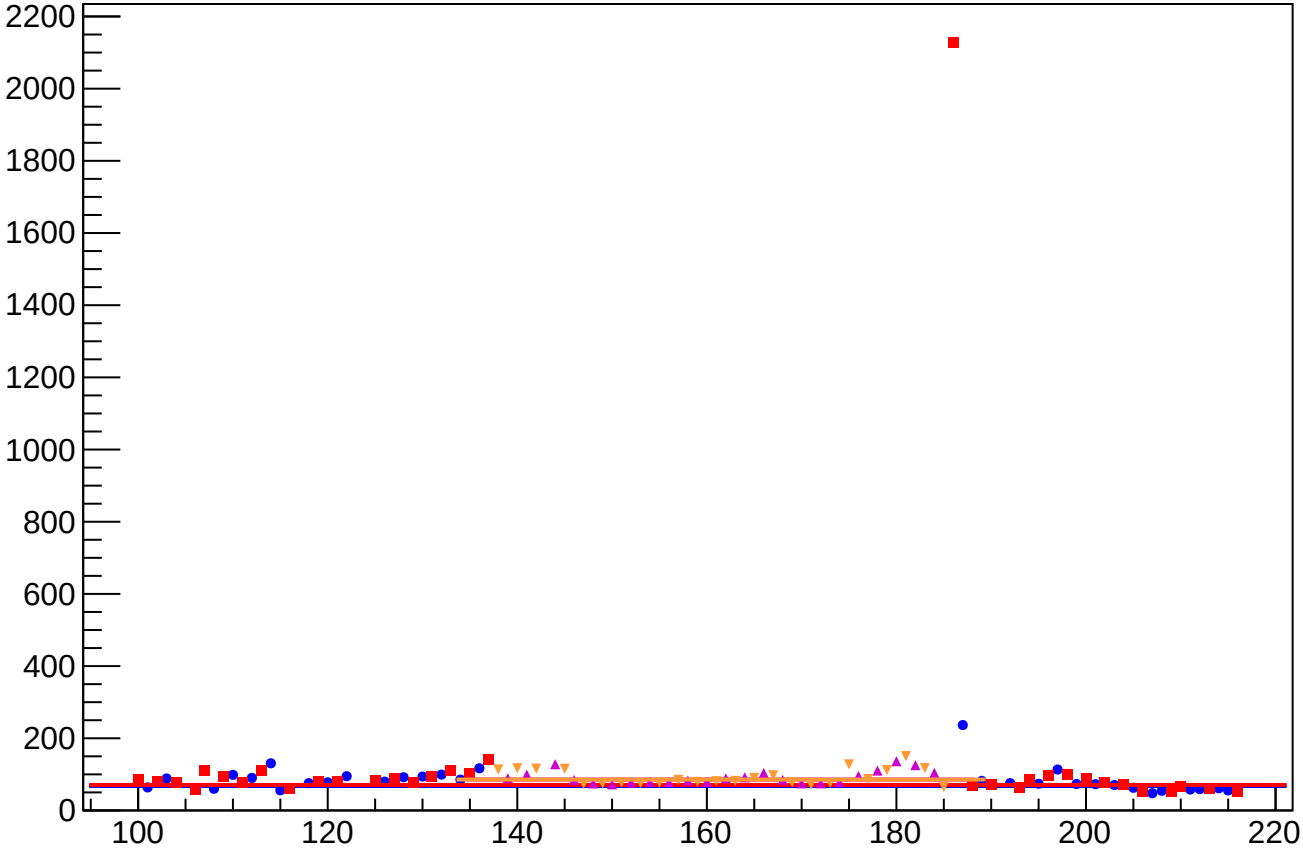
Right: 0.000+/-0.012 χ^2/NDF: 71.1/63

In: 0.010+/-0.013 χ^2/NDF:60.2/53

Out: -0.012+/-0.013 χ^2/NDF:61.4/56

All: -0.000+/-0.009 χ^2/NDF: 123.1/110

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: 70.722+/-0.012 χ^2/NDF: 2506971.4/32

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

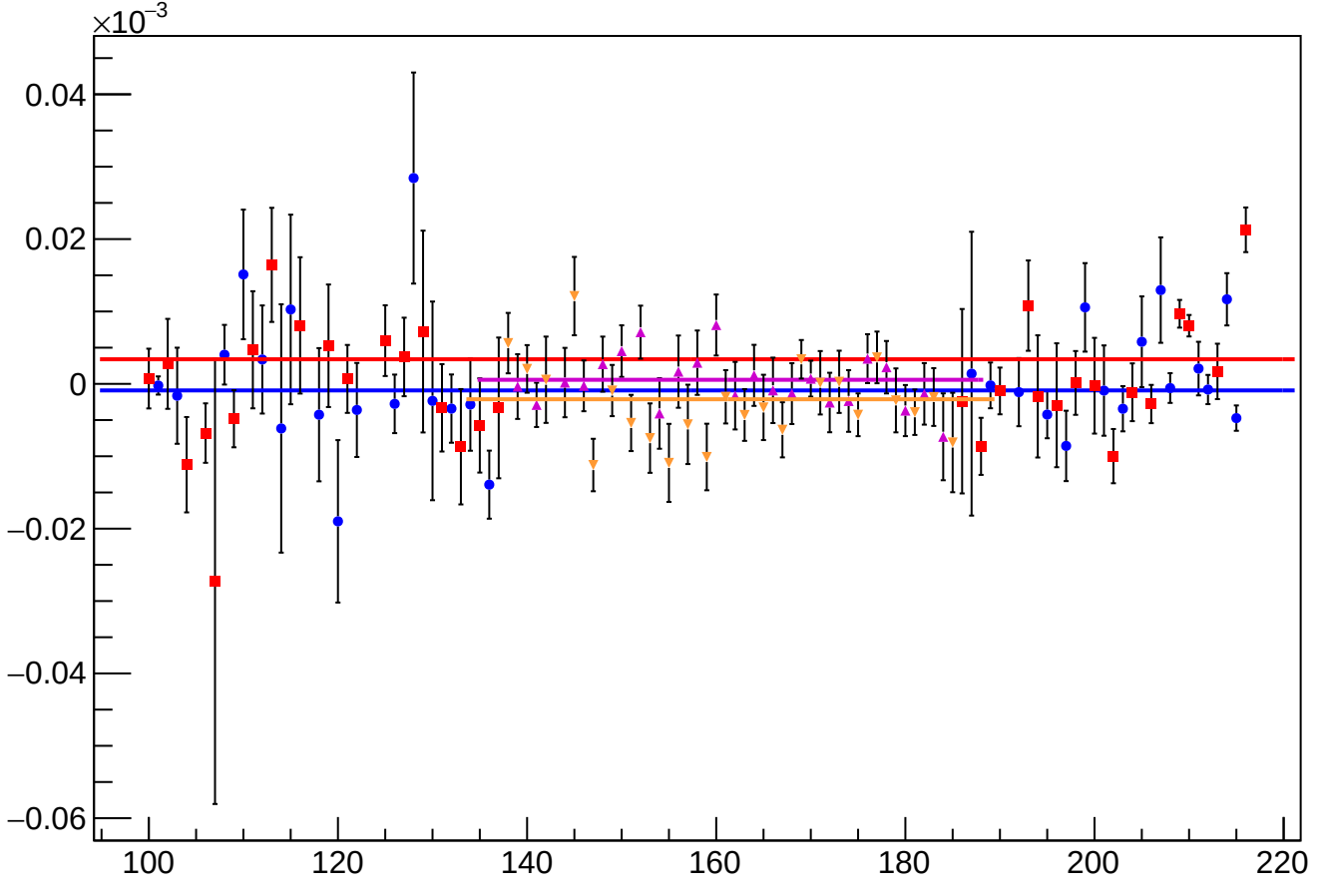
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 69.218+/-0.008 χ^2/NDF: 4434987.7/63

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

Out: 76.796+/-0.009 χ^2/NDF:4477746.6/56

All: 75.740+/-0.007 χ^2/NDF: 8310211.0/110



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: 115.0/32

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

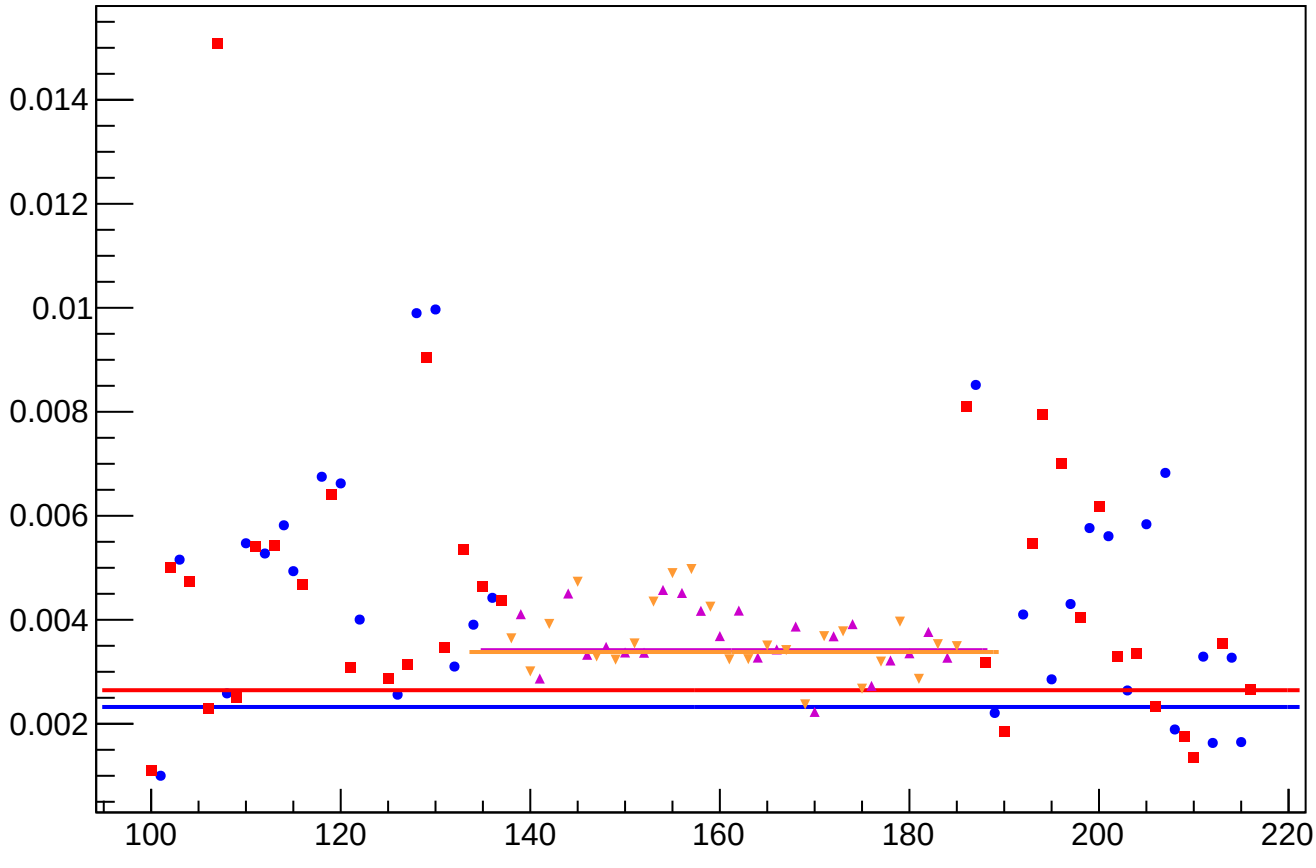
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: 0.000+/-0.000 χ^2/NDF: 186.5/63

In: -0.000+/-0.000 χ^2/NDF:70.1/53

Out: 0.000+/-0.000 χ^2/NDF:178.8/56

All: 0.000+/-0.000 χ^2/NDF: 252.0/110



Right In: 0.002+/-0.000 χ^2/NDF: 10311115.4/30

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

Right Out: 0.003+/-0.000 χ^2/NDF: 8293599.4/32

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

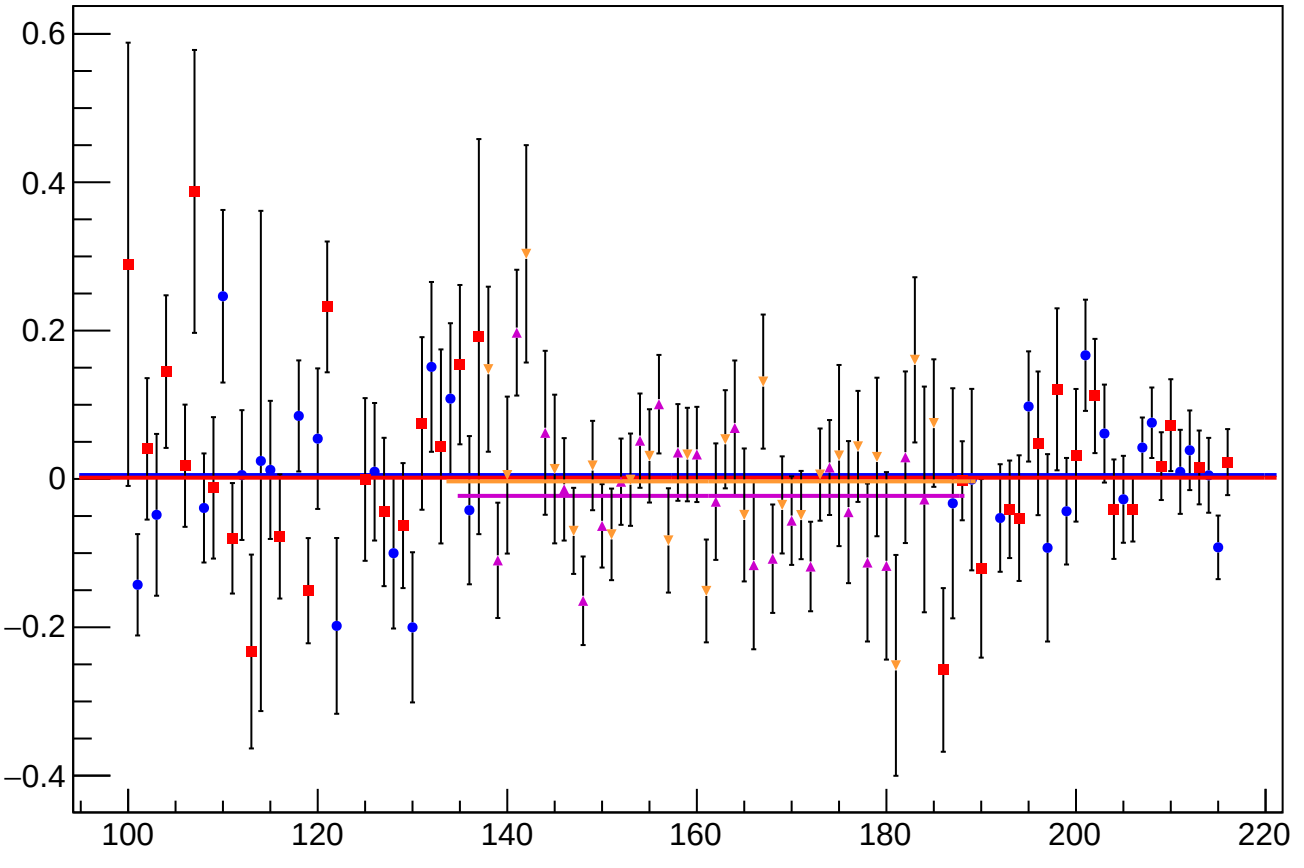
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.002+/-0.000 χ^2/NDF: 18830666.8/63

In: 0.003+/-0.000 χ^2/NDF:13698164.5/53

Out: 0.003+/-0.000 χ^2/NDF:10420701.1/56

All: 0.003+/-0.000 χ^2/NDF: 24309828.0/110



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: 0.002+/-0.013 χ^2/NDF: 41.9/32

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

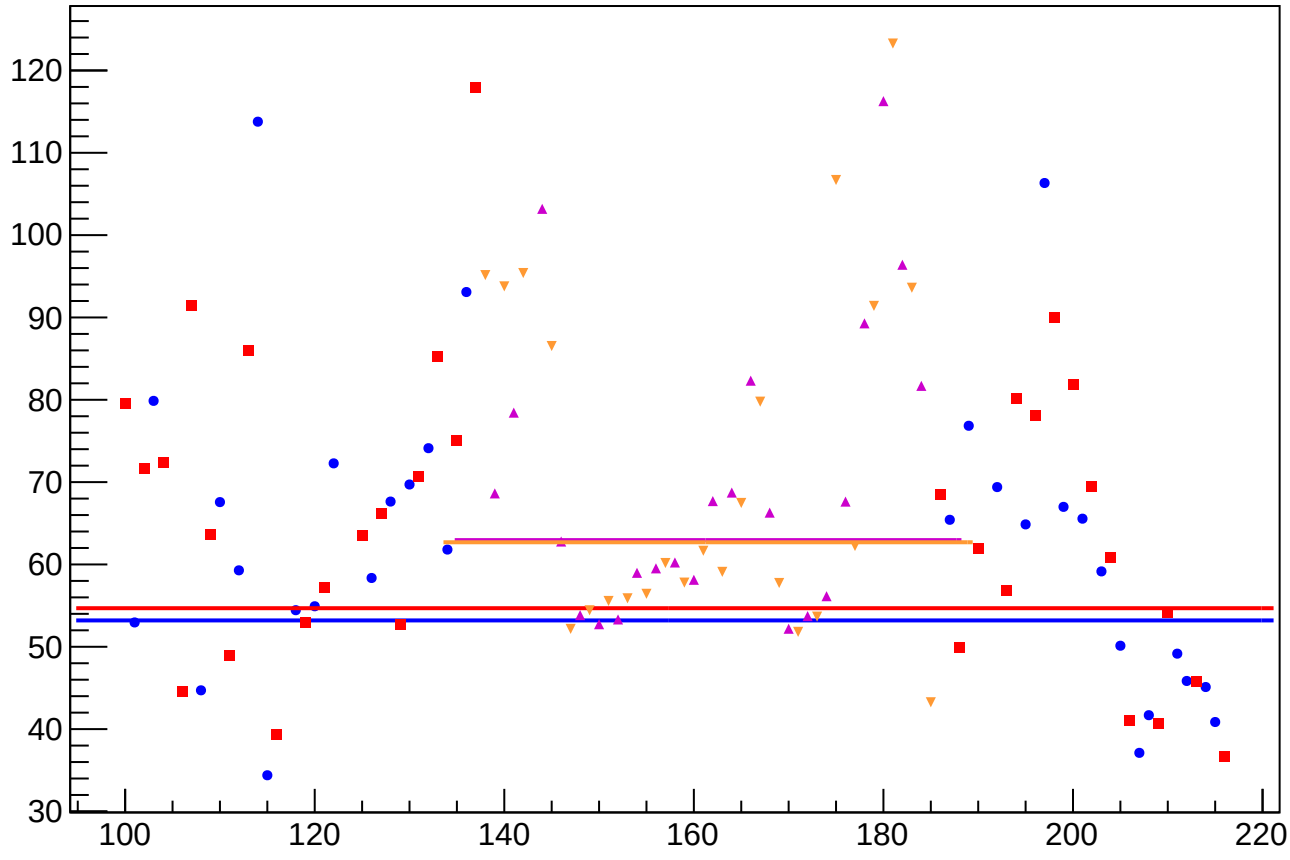
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.004+/-0.009 χ^2/NDF: 81.5/63

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: -0.000+/-0.010 χ^2/NDF:67.8/56

All: -0.003+/-0.007 χ^2/NDF: 138.4/110



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: 54.685+/-0.010 χ^2/NDF: 2448710.6/32

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

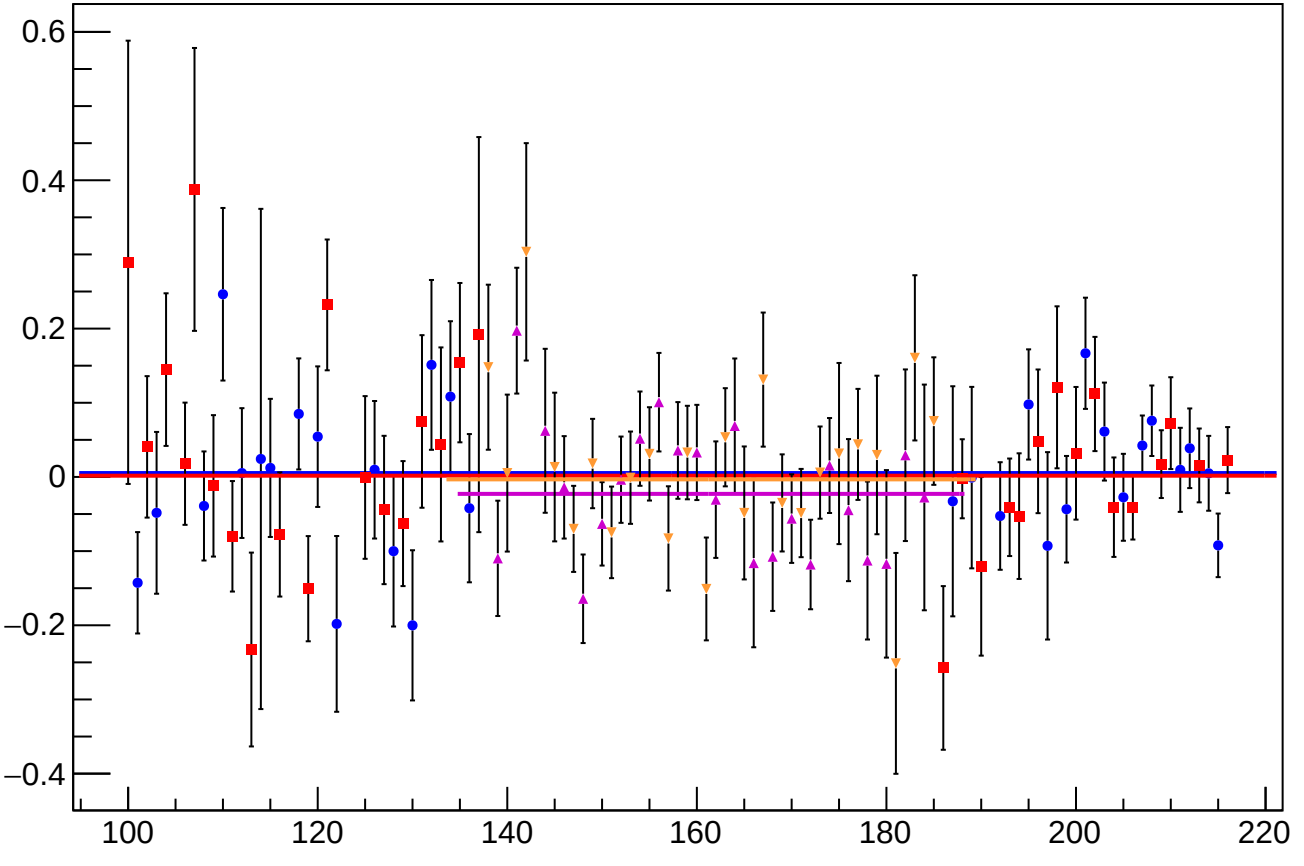
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 53.924+/-0.007 χ^2/NDF: 4783522.9/63

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

Out: 58.126+/-0.007 χ^2/NDF:4693103.0/56

All: 57.688+/-0.005 χ^2/NDF: 8915790.1/110



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: 0.002+/-0.013 χ^2/NDF: 41.9/32

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

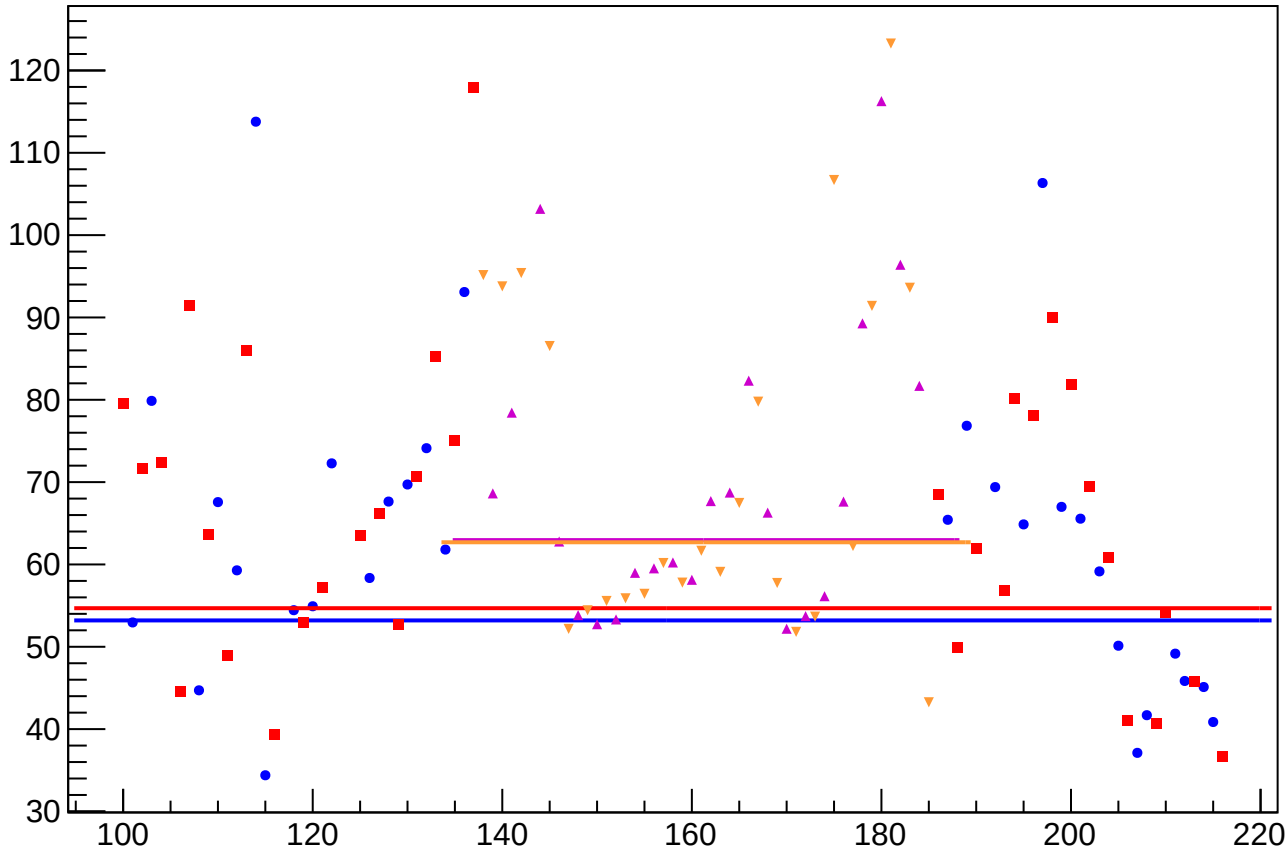
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.004+/-0.009 χ^2/NDF: 81.5/63

In: -0.006+/-0.010 χ^2/NDF:70.5/53

Out: -0.000+/-0.010 χ^2/NDF:67.8/56

All: -0.003+/-0.007 χ^2/NDF: 138.4/110



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: 54.685+/-0.010 χ^2/NDF: 2448710.6/32

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

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

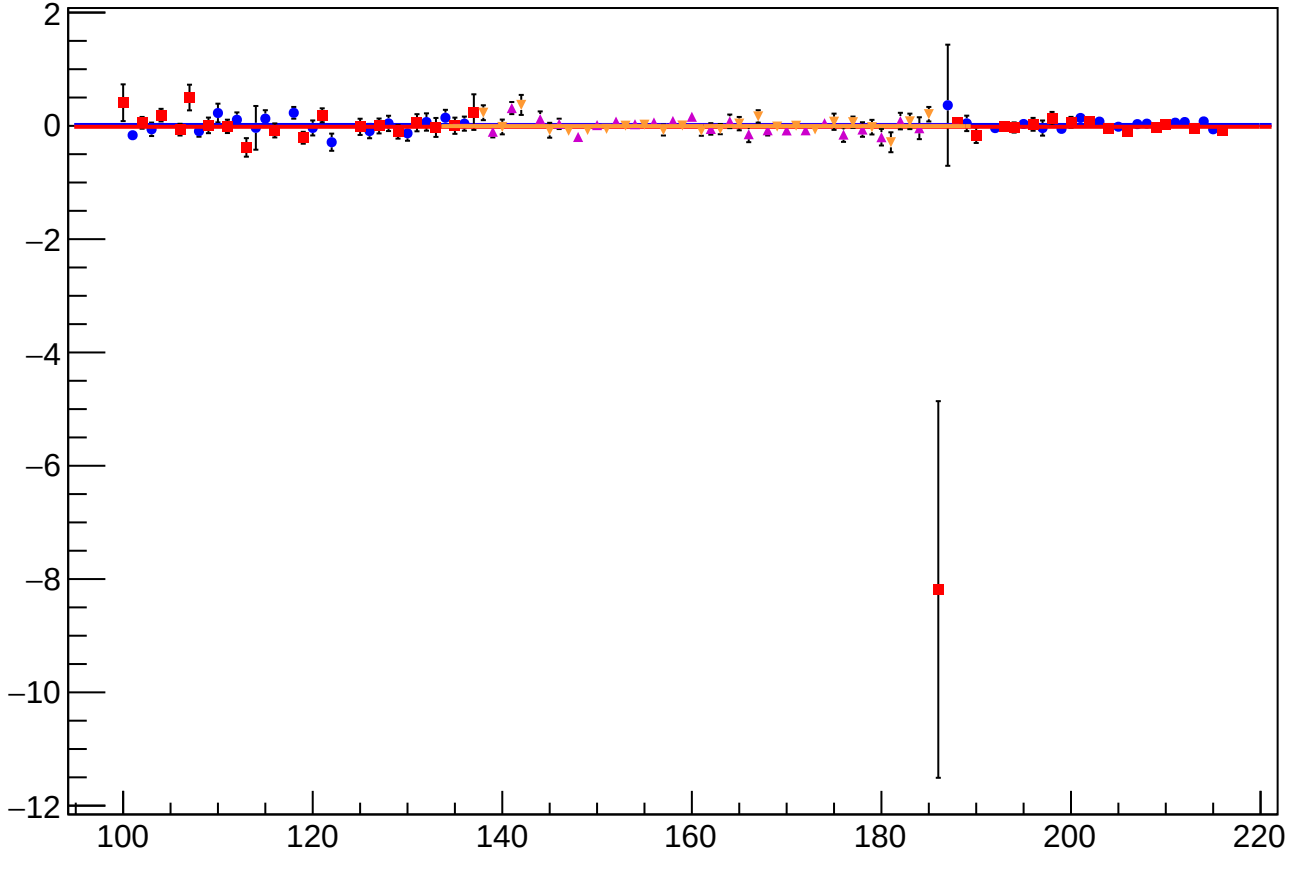
Right: 53.924+/-0.007 χ^2/NDF: 4783522.9/63

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

Out: 58.126+/-0.007 χ^2/NDF:4693103.0/56

All: 57.688+/-0.005 χ^2/NDF: 8915790.1/110

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: -0.017+/-0.017 χ^2/NDF: 39.9/32

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

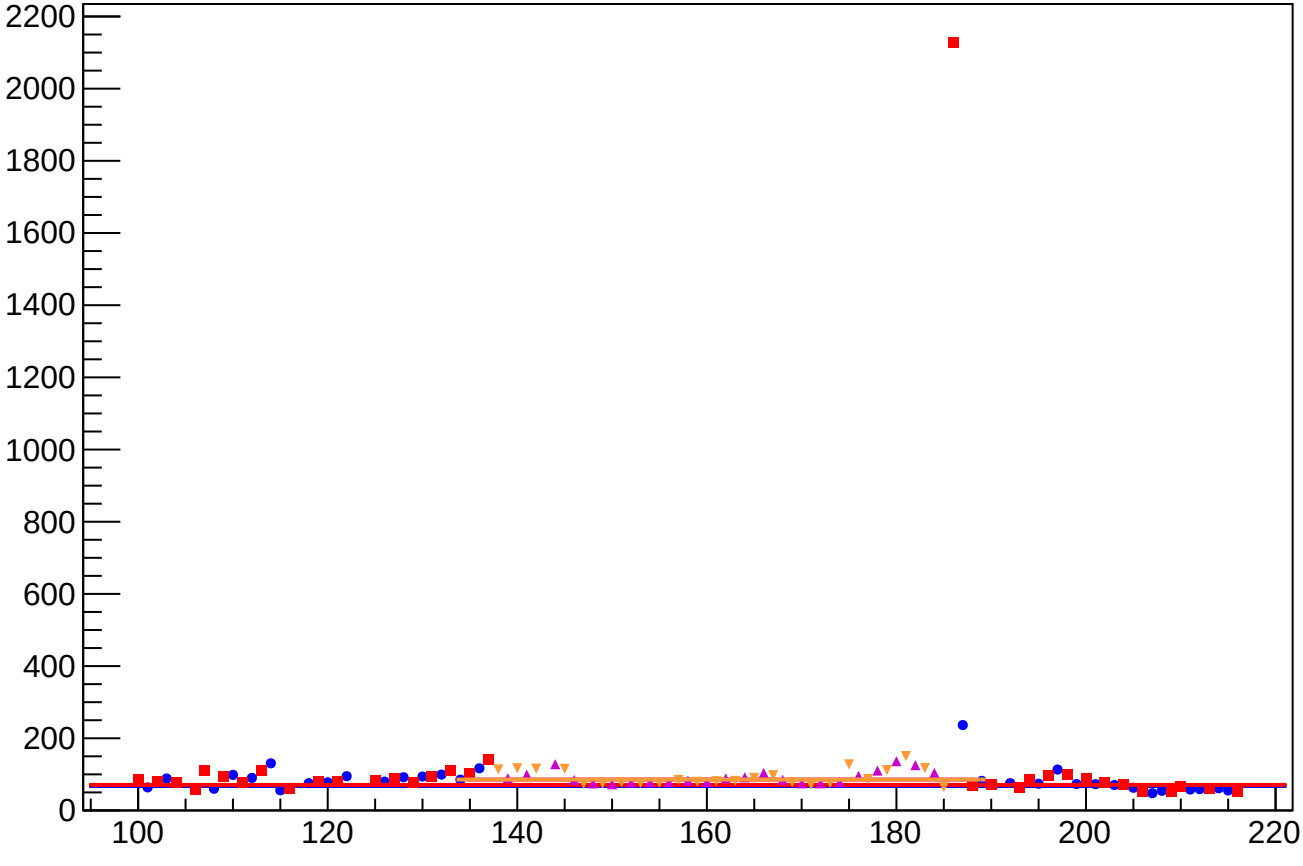
Right: 0.000+/-0.012 χ^2/NDF: 71.1/63

In: 0.010+/-0.013 χ^2/NDF:60.2/53

Out: -0.012+/-0.013 χ^2/NDF:61.4/56

All: -0.000+/-0.009 χ^2/NDF: 123.1/110

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: 70.722+/-0.012 χ^2/NDF: 2506862.0/32

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

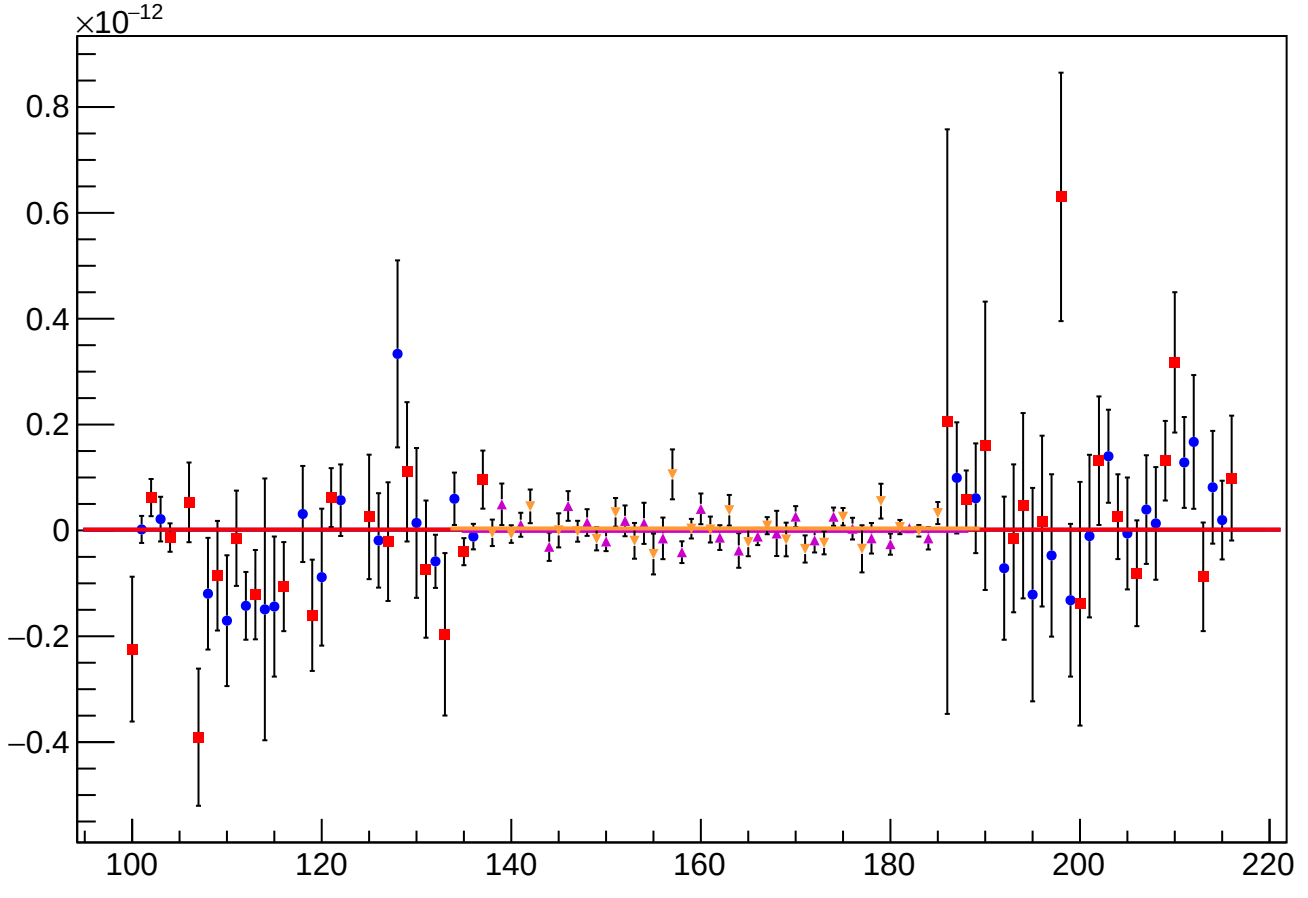
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 69.218+/-0.008 χ^2/NDF: 4434739.8/63

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

Out: 76.796+/-0.009 χ^2/NDF:4477661.4/56

All: 75.741+/-0.007 χ^2/NDF: 8309971.1/110



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: 53.3/32

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

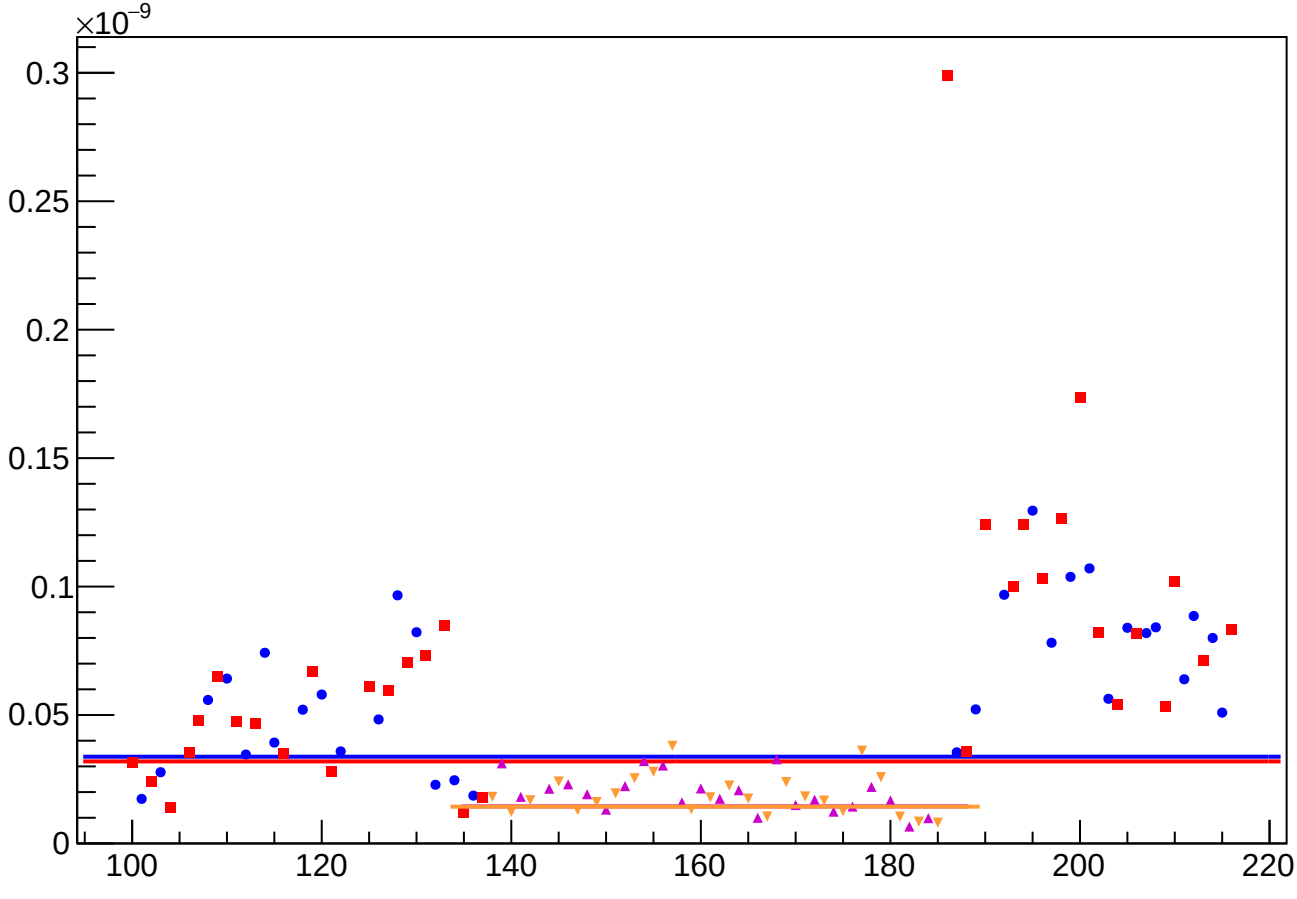
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: 0.000+/-0.000 χ^2/NDF: 81.3/63

In: -0.000+/-0.000 χ^2/NDF:51.7/53

Out: 0.000+/-0.000 χ^2/NDF:78.3/56

All: 0.000+/-0.000 χ^2/NDF: 130.5/110



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: 9374209.8/32

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

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

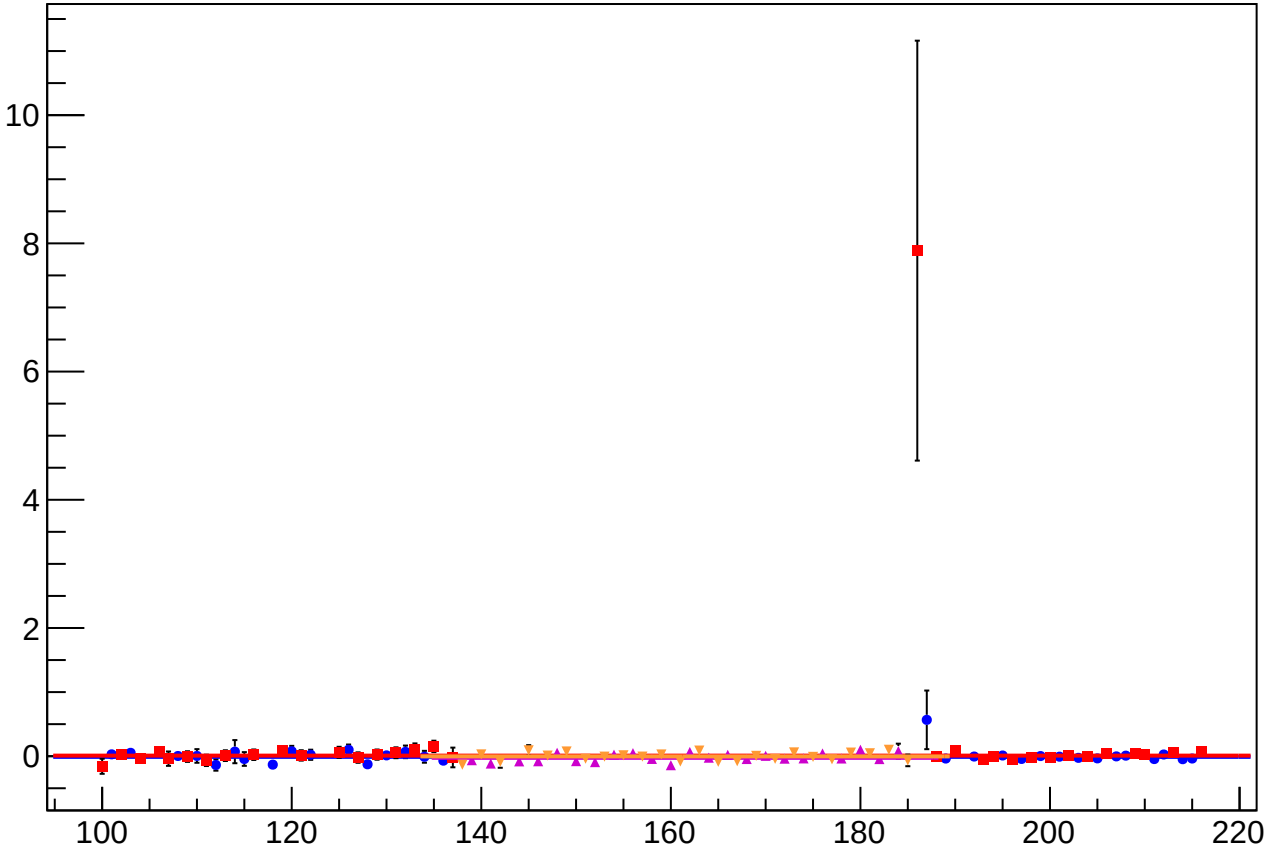
Right: 0.000+/-0.000 χ^2/NDF: 16796139.3/63

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

Out: 0.000+/-0.000 χ^2/NDF:16715796.2/56

All: 0.000+/-0.000 χ^2/NDF: 32963762.8/110

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: 0.009+/-0.007 χ^2/NDF: 39.1/32

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

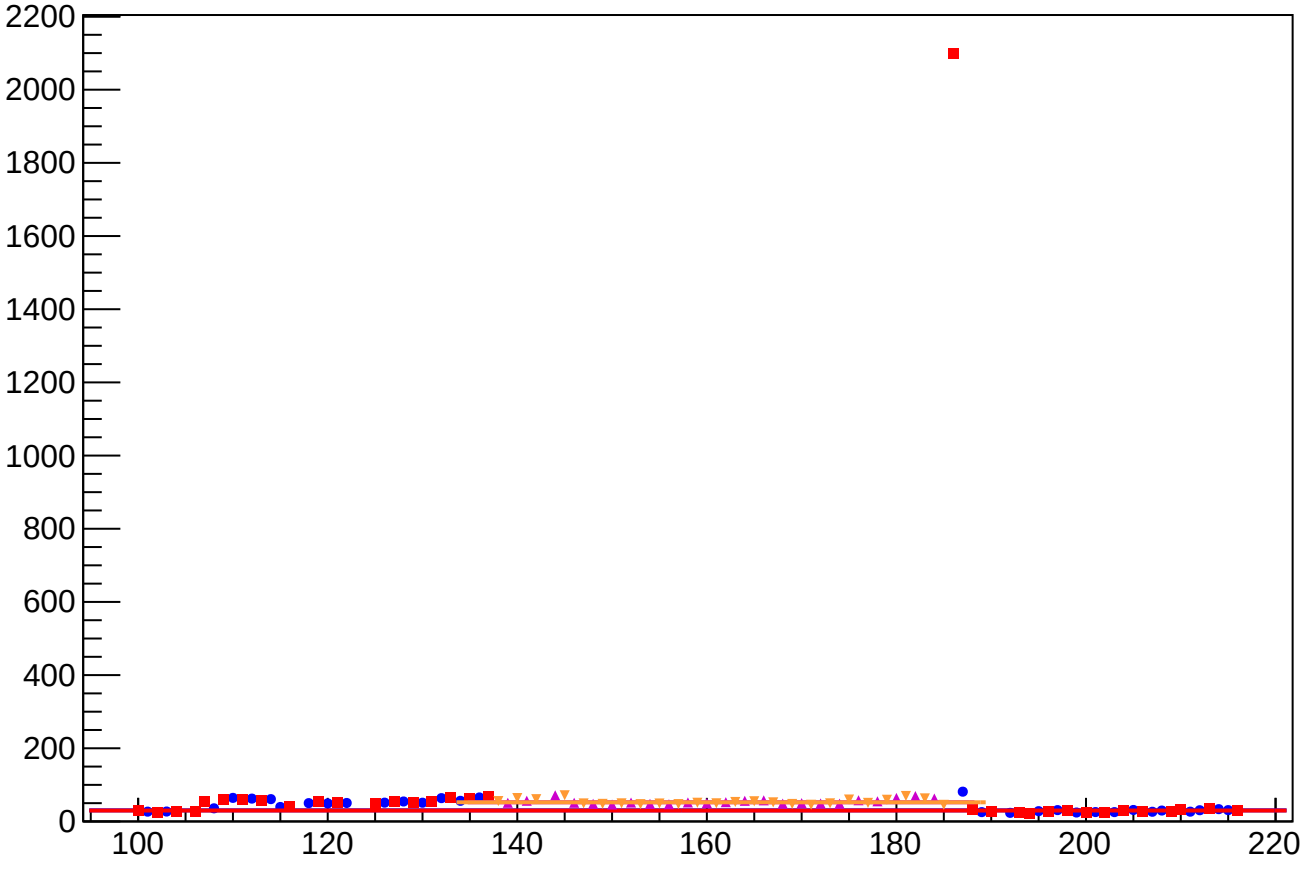
Right: -0.001+/-0.005 χ^2/NDF: 67.7/63

In: -0.014+/-0.006 χ^2/NDF:50.6/53

Out: 0.006+/-0.006 χ^2/NDF:63.0/56

All: -0.004+/-0.005 χ^2/NDF: 118.5/110

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: 29.876+/-0.005 χ^2/NDF: 3877272.2/32

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

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

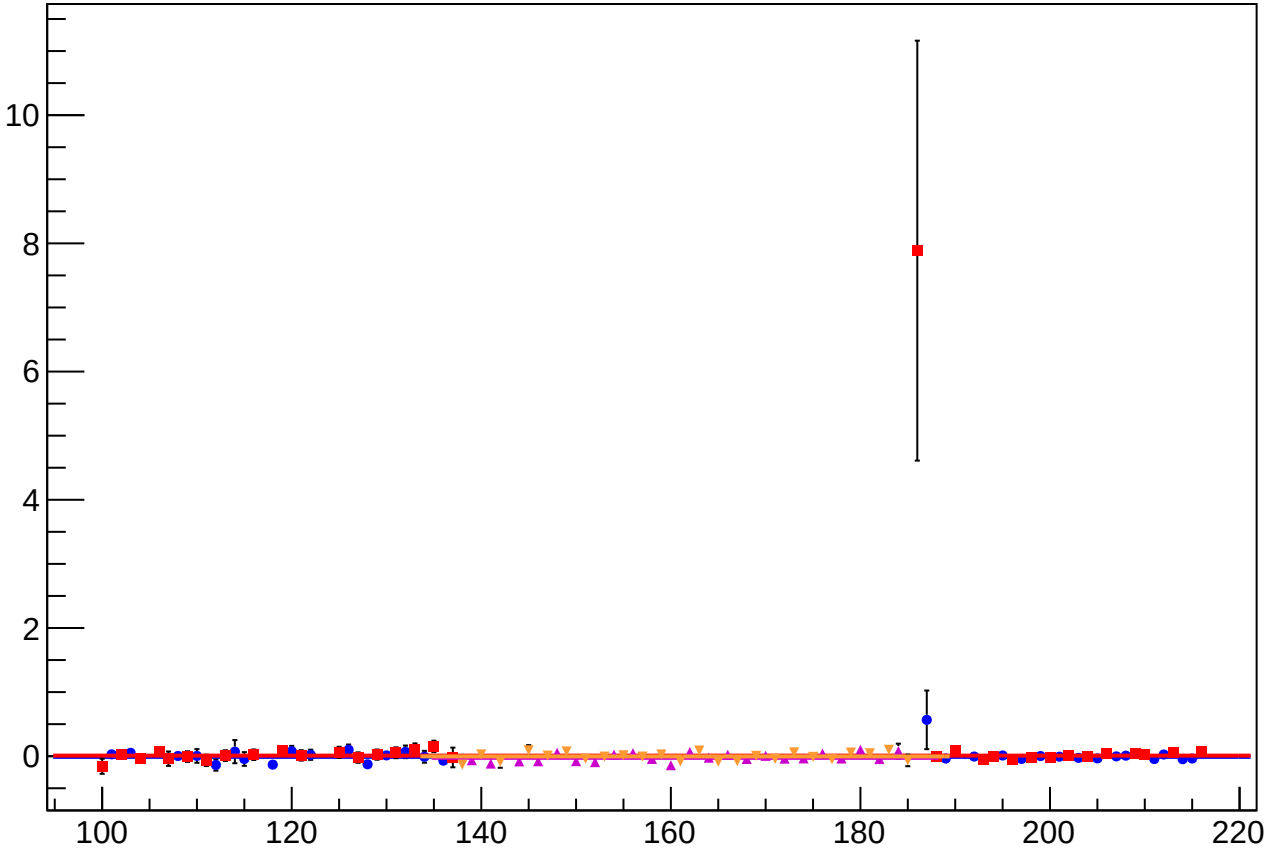
Right: 30.121+/-0.004 χ^2/NDF: 6763356.2/63

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

Out: 35.779+/-0.004 χ^2/NDF:9235181.0/56

All: 35.967+/-0.003 χ^2/NDF: 17178392.3/110

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: 0.009+/-0.007 χ^2/NDF: 39.1/32

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

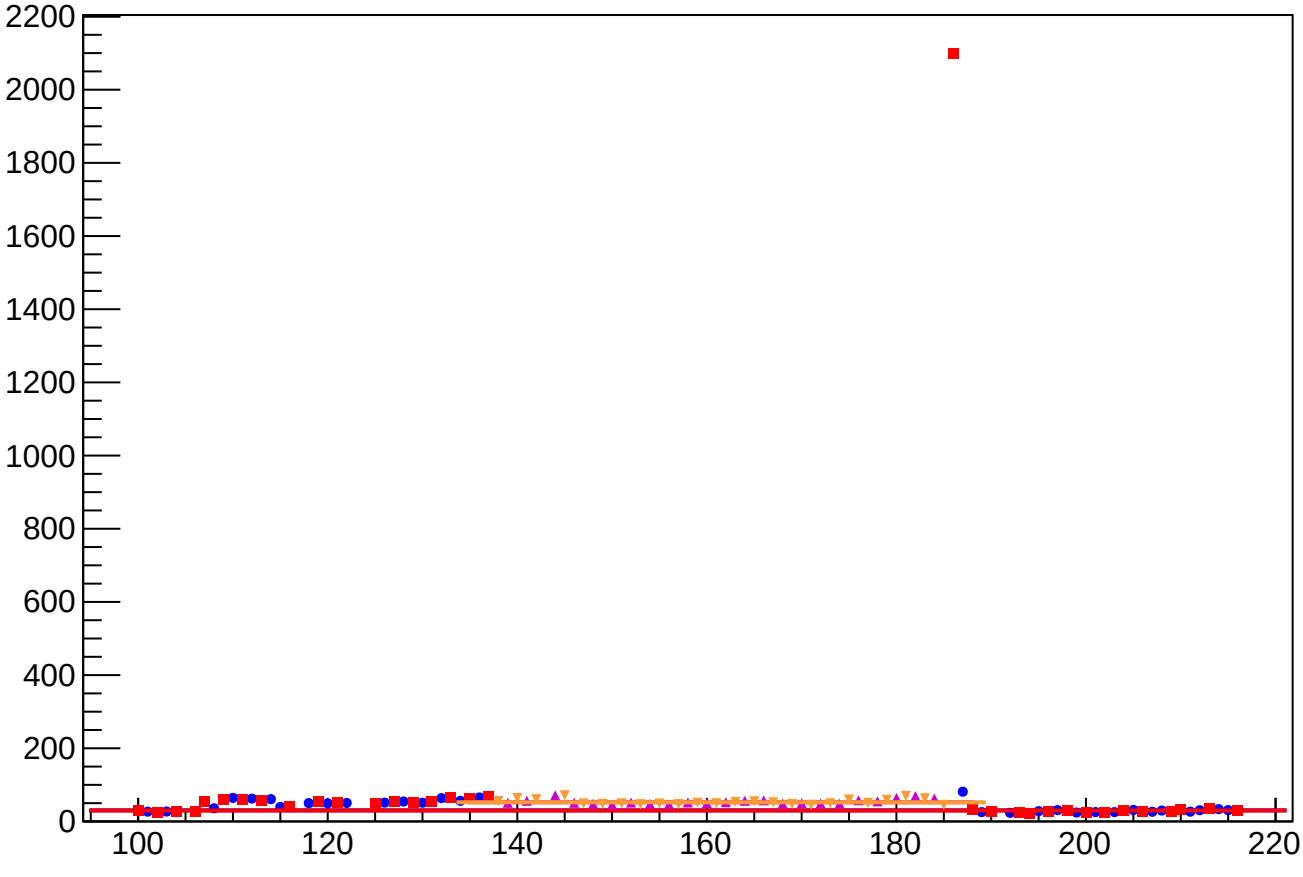
Right: -0.001+/-0.005 χ^2/NDF: 67.7/63

In: -0.014+/-0.006 χ^2/NDF:50.6/53

Out: 0.006+/-0.006 χ^2/NDF:63.0/56

All: -0.004+/-0.005 χ^2/NDF: 118.5/110

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: 29.876+/-0.005 χ^2/NDF: 3877272.2/32

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

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

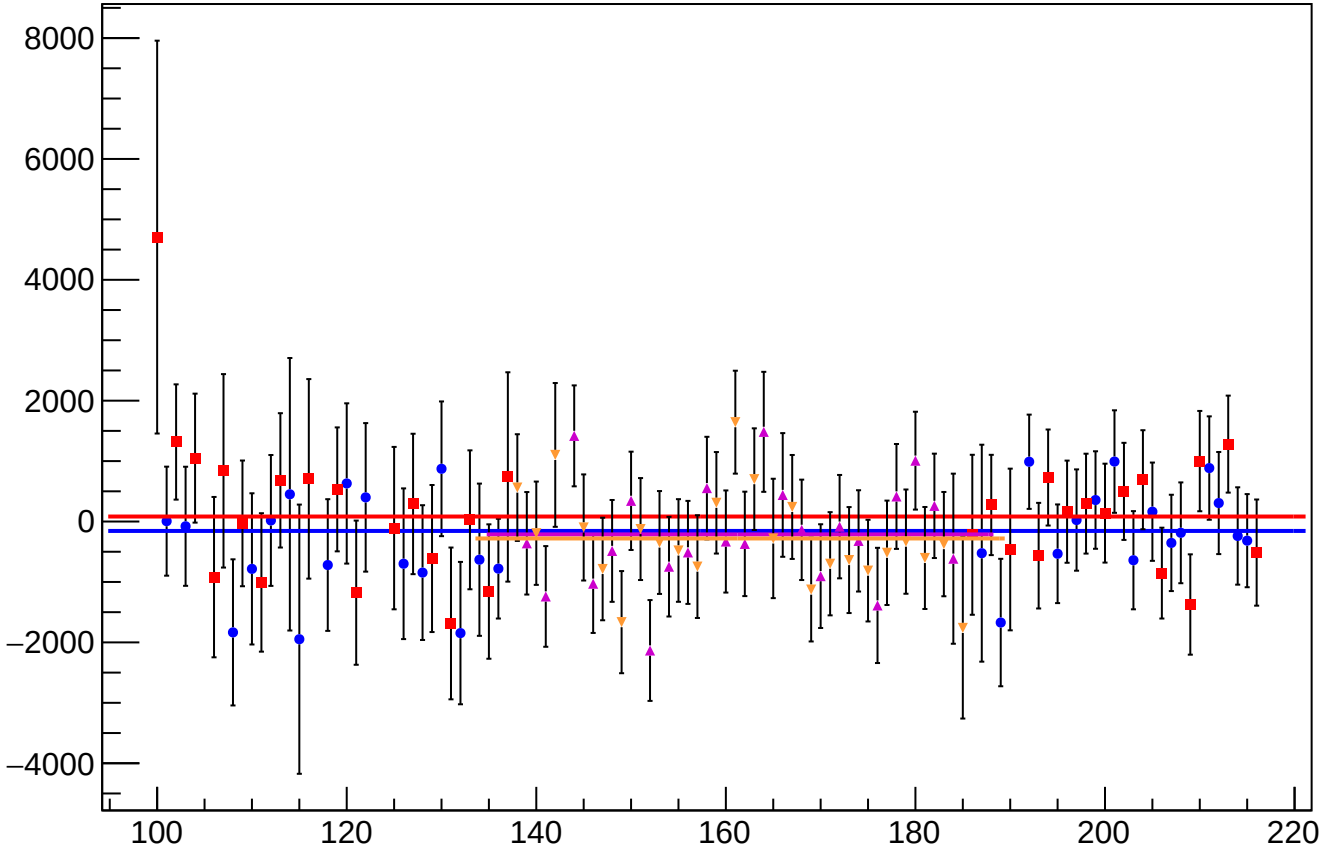
Right: 30.121+/-0.004 χ^2/NDF: 6763356.2/63

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

Out: 35.779+/-0.004 χ^2/NDF:9235181.0/56

All: 35.967+/-0.003 χ^2/NDF: 17178392.3/110

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: 82.820+/-175.566 χ^2/NDF: 22.6/32

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

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

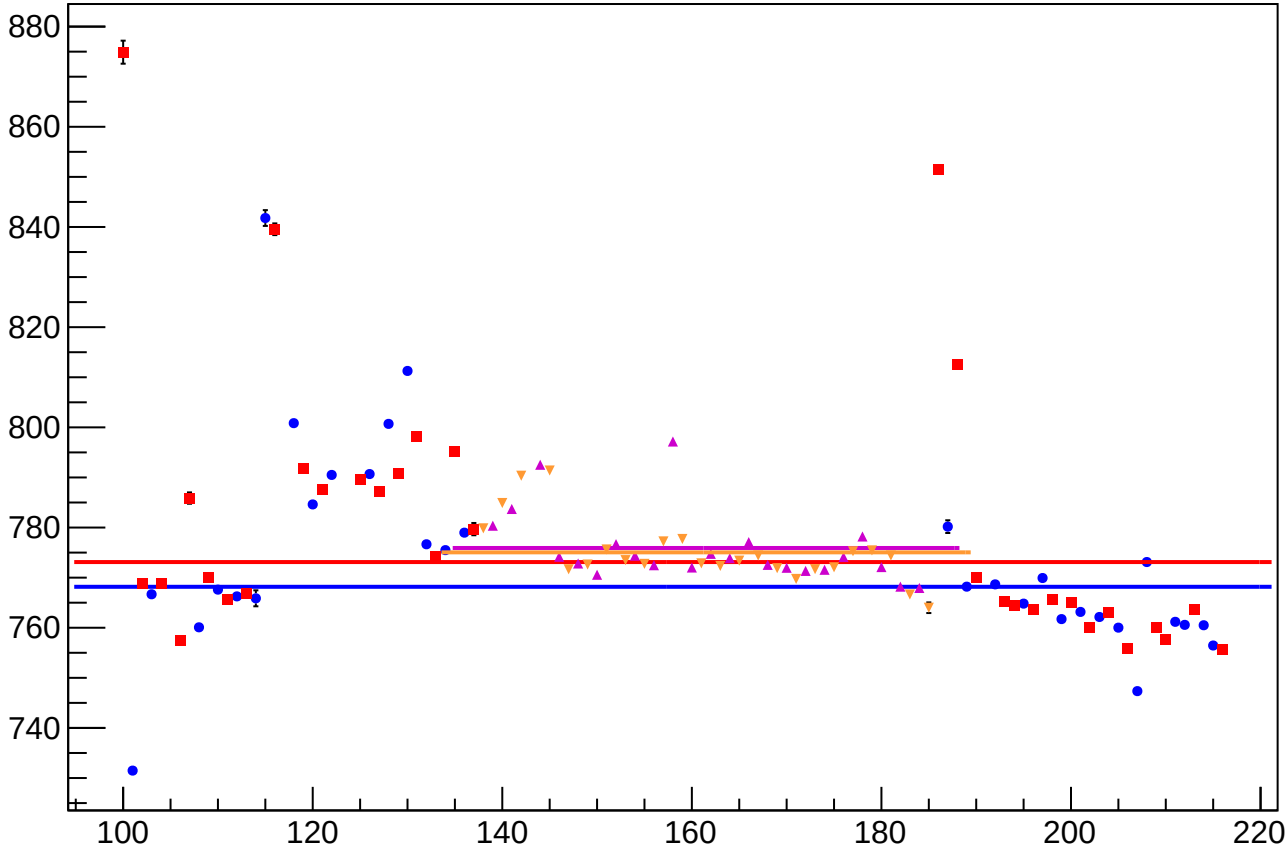
Right: -36.950+/-123.887 χ^2/NDF: 40.7/63

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

Out: -94.364+/-125.641 χ^2/NDF:40.8/56

All: -138.900+/-88.901 χ^2/NDF: 80.6/110

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: 773.112+/-0.124 χ^2/NDF: 26149.5/32

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

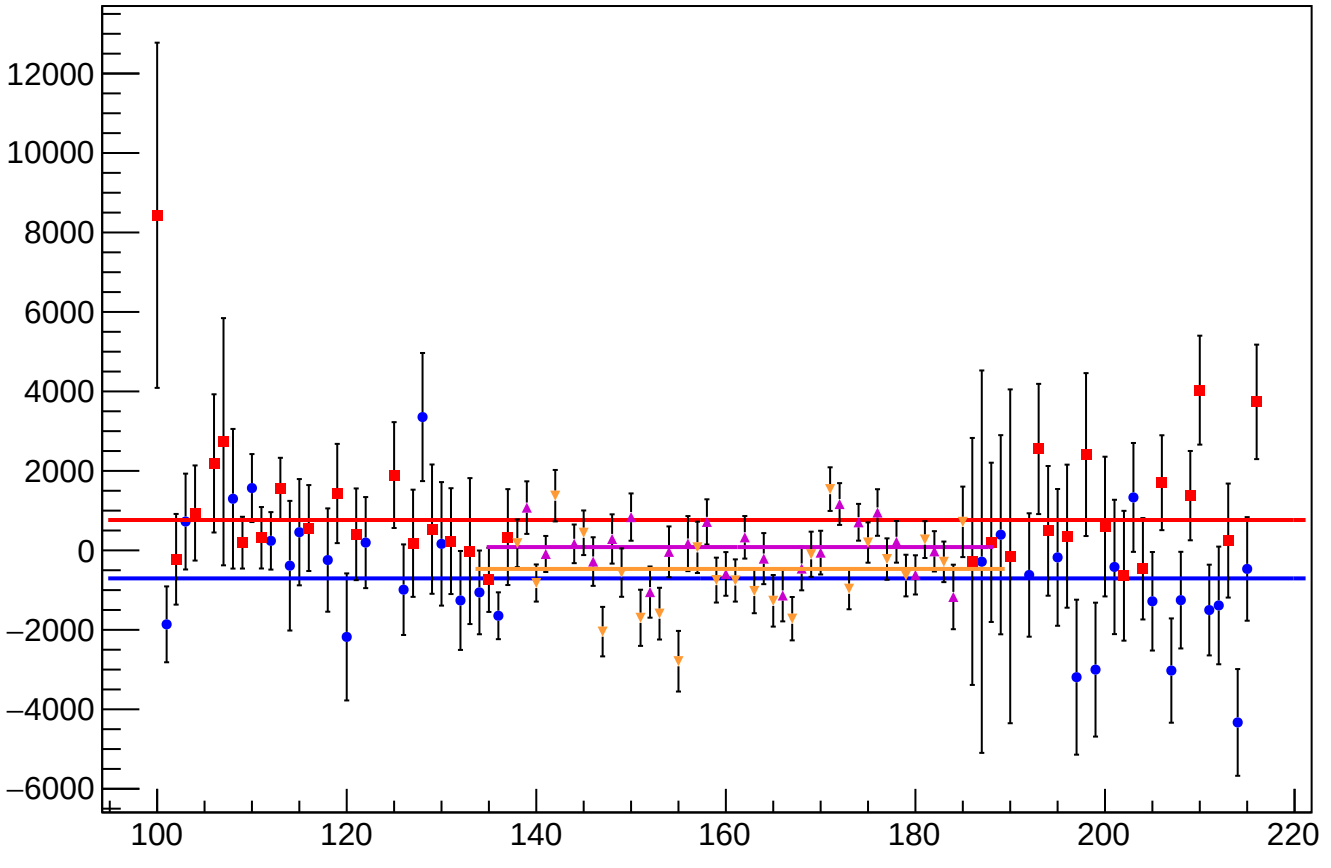
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.633+/-0.088 χ^2/NDF: 44178.6/63

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

Out: 774.057+/-0.089 χ^2/NDF:28219.6/56

All: 772.985+/-0.063 χ^2/NDF: 50612.8/110



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: 764.198+/-220.988 χ^2/NDF: 27.2/32

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

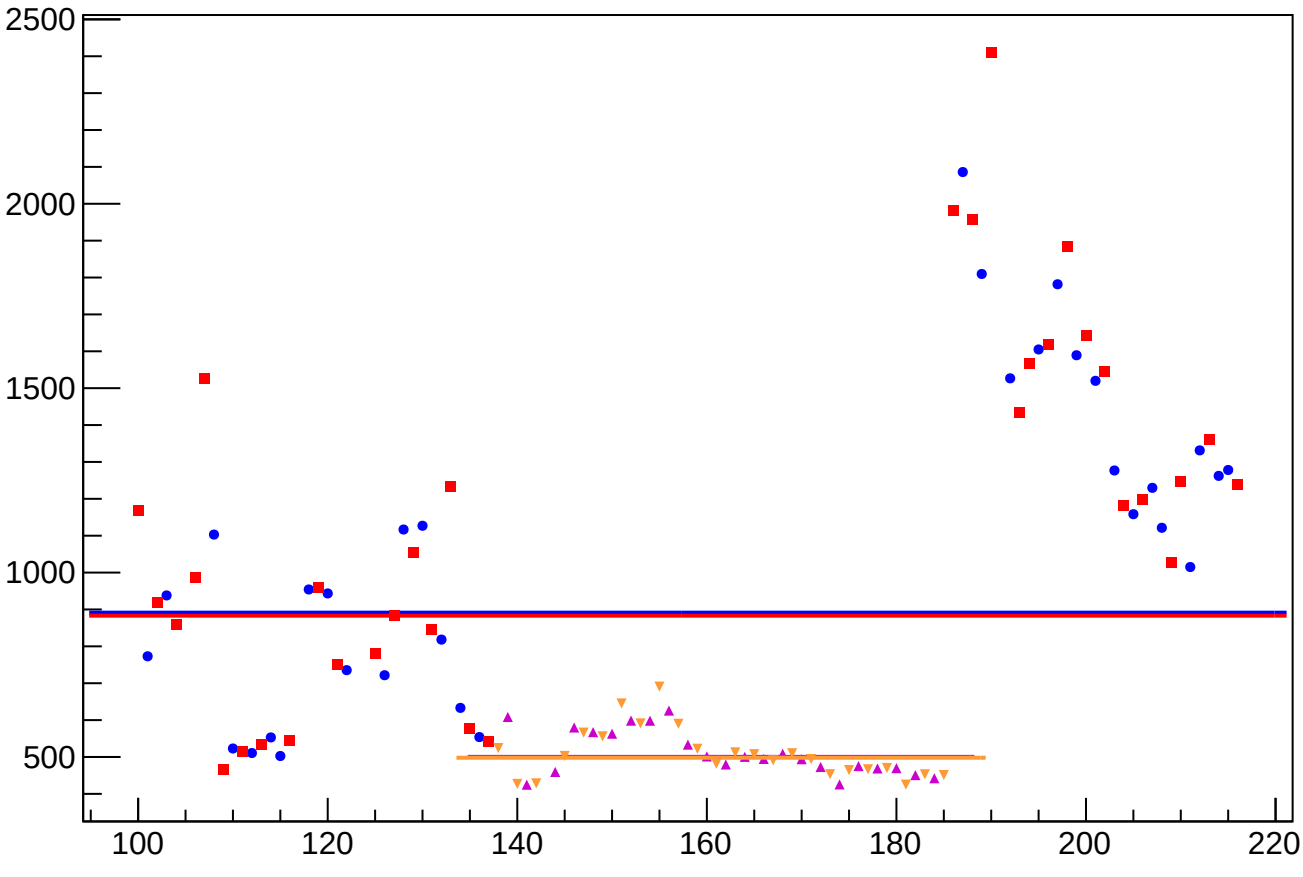
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 24.108+/-155.677 χ^2/NDF: 92.0/63

In: -93.304+/-103.786 χ^2/NDF:80.6/53

Out: -198.597+/-103.203 χ^2/NDF:115.9/56

All: -146.247+/-73.181 χ^2/NDF: 197.1/110



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: 883.196+/-0.156 χ^2/NDF: 6509078.5/32

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

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

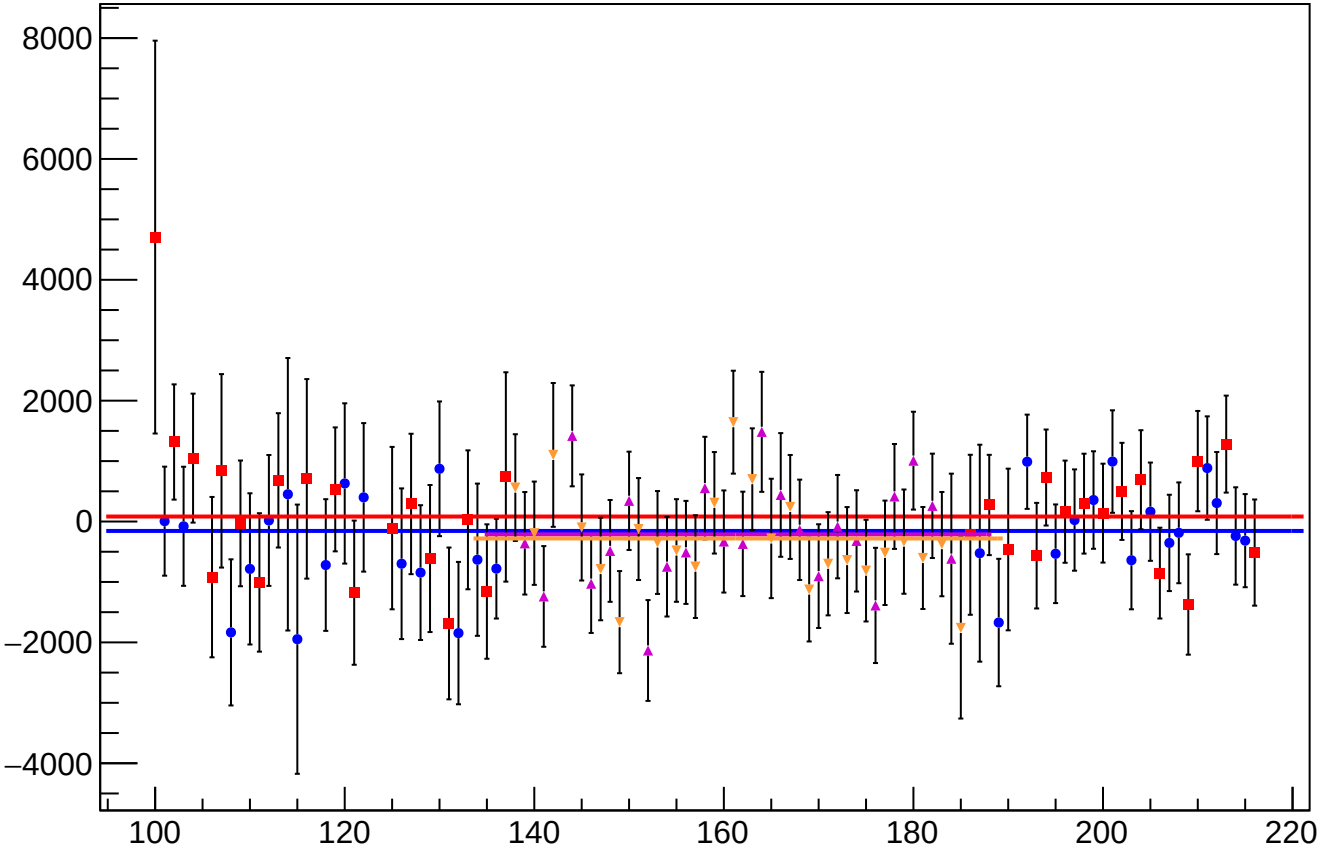
Right: 887.280+/-0.110 χ^2/NDF: 11799637.2/63

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

Out: 581.984+/-0.073 χ^2/NDF:11788186.1/56

All: 584.898+/-0.052 χ^2/NDF: 22490351.5/11

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: 82.820+/-175.566 χ^2/NDF: 22.6/32

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

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

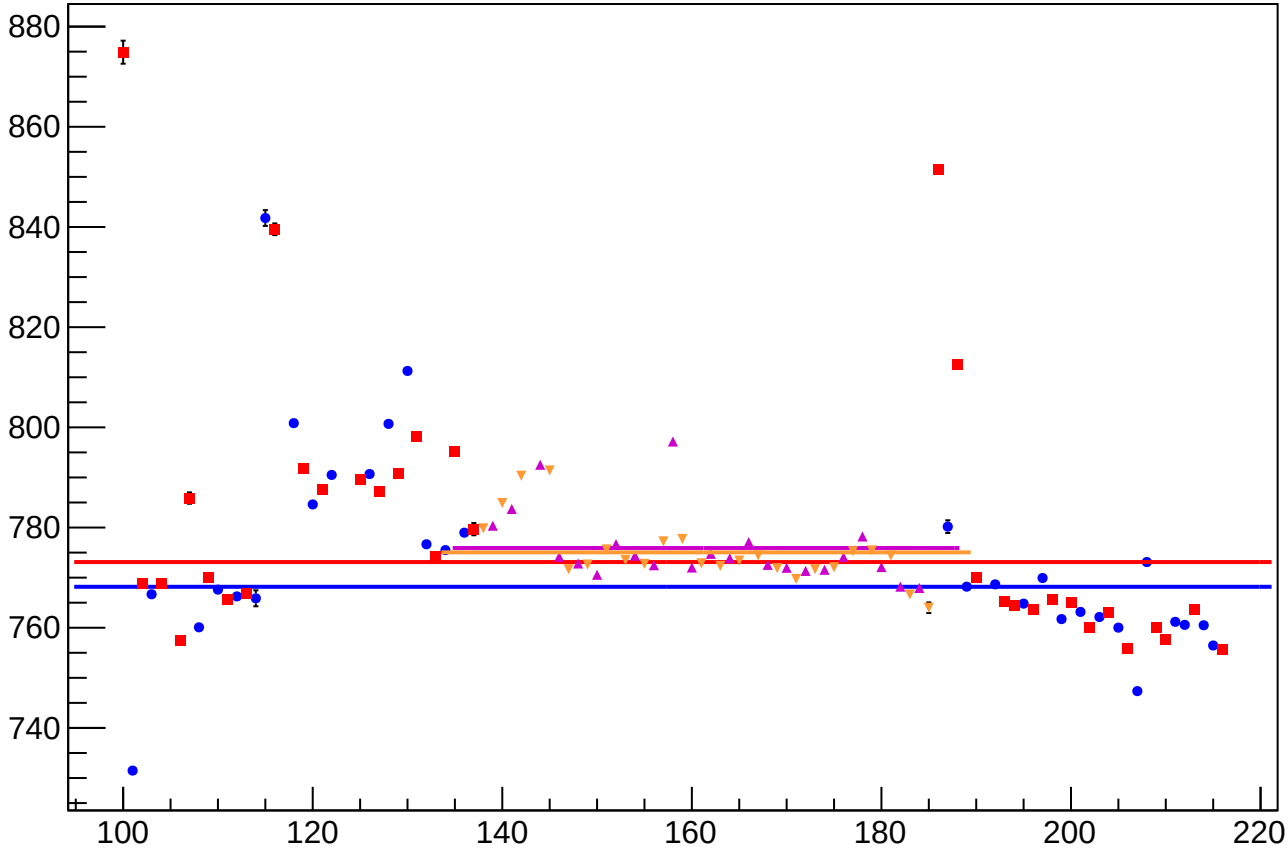
Right: -36.950+/-123.887 χ^2/NDF: 40.7/63

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

Out: -94.364+/-125.641 χ^2/NDF:40.8/56

All: -138.900+/-88.901 χ^2/NDF: 80.6/110

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: 773.112+/-0.124 χ^2/NDF: 26149.5/32

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

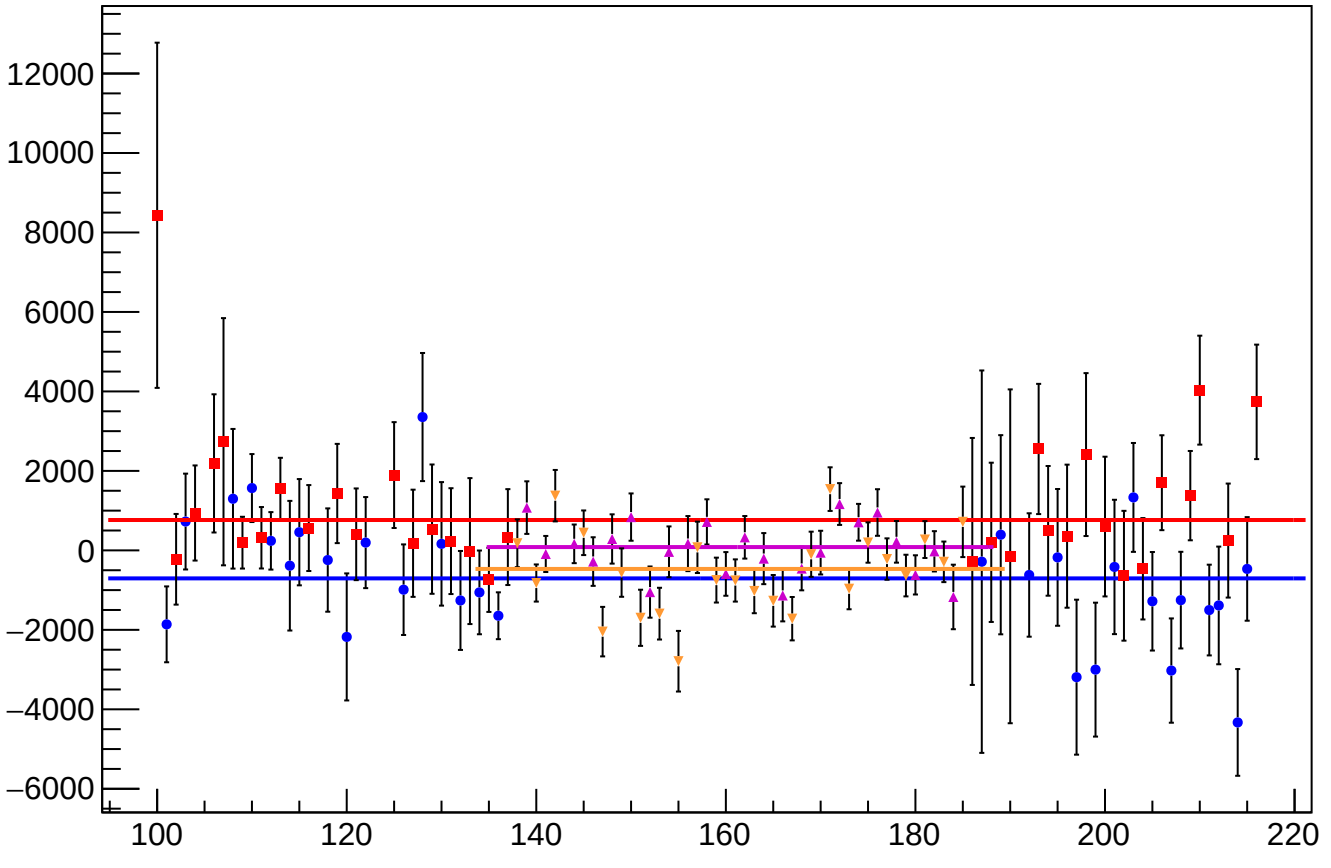
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.633+/-0.088 χ^2/NDF: 44178.6/63

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

Out: 774.057+/-0.089 χ^2/NDF:28219.6/56

All: 772.985+/-0.063 χ^2/NDF: 50612.8/110



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: 764.198+/-220.988 χ^2/NDF: 27.2/32

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

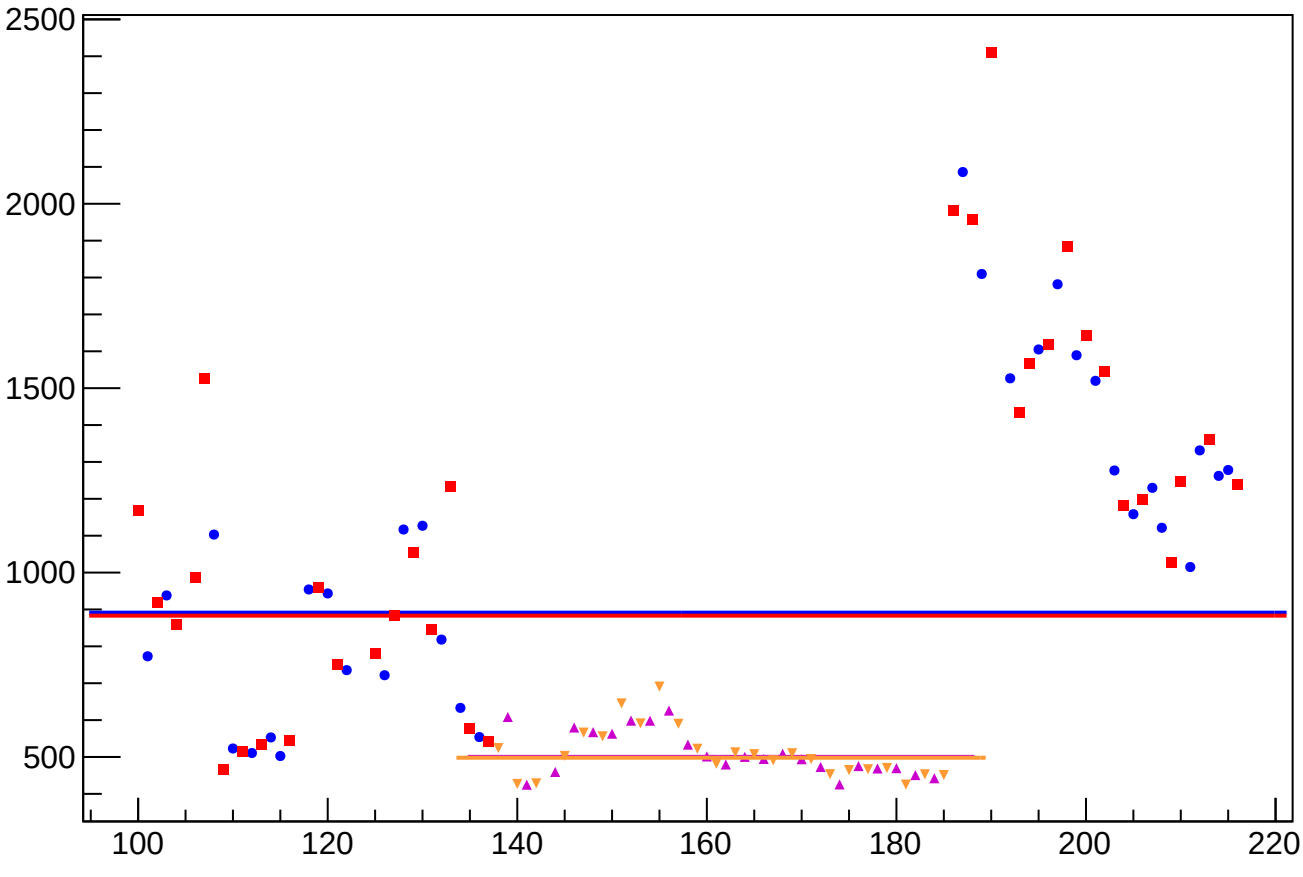
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 24.108+/-155.677 χ^2/NDF: 92.0/63

In: -93.304+/-103.786 χ^2/NDF:80.6/53

Out: -198.597+/-103.203 χ^2/NDF:115.9/56

All: -146.247+/-73.181 χ^2/NDF: 197.1/110



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: 883.196+/-0.156 χ^2/NDF: 6509078.5/32

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

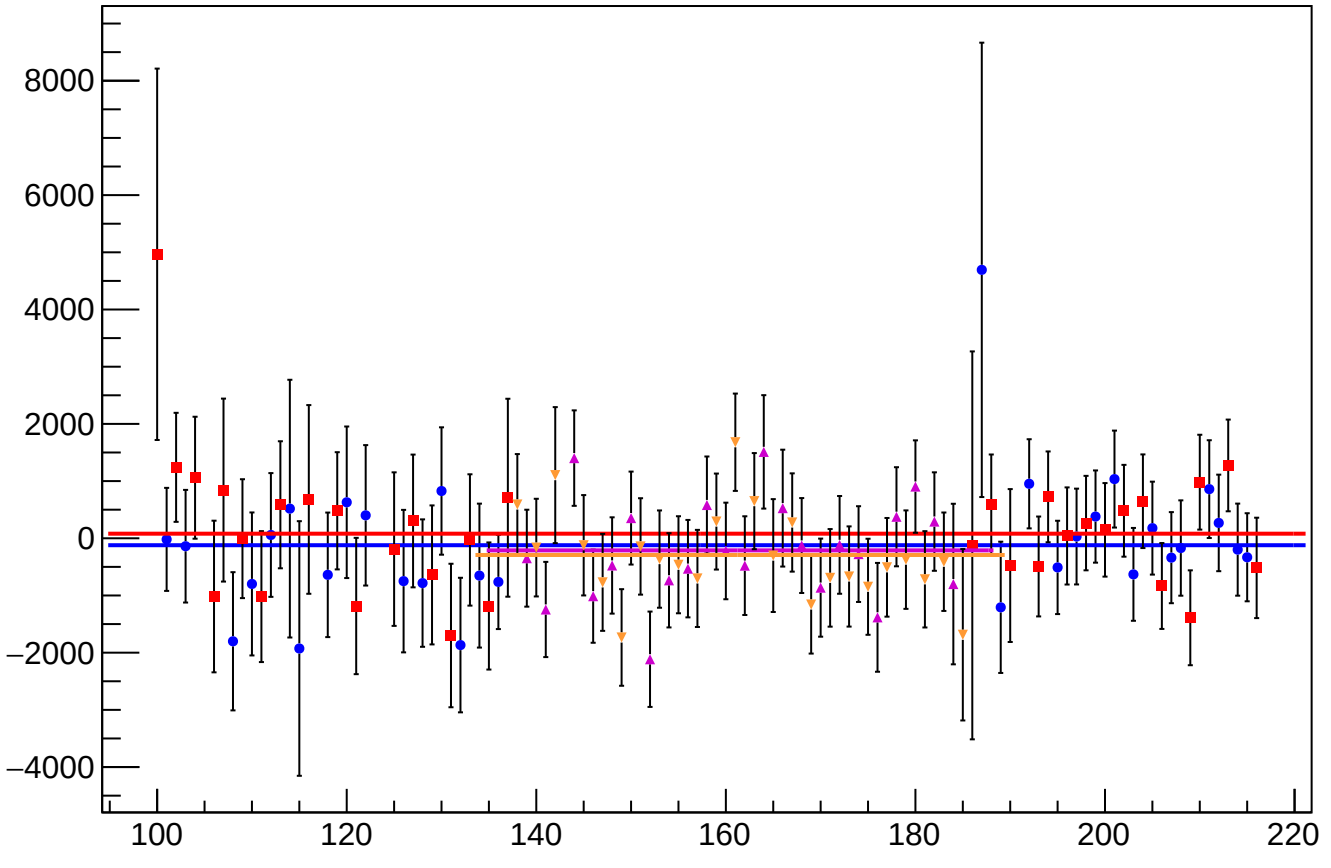
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 887.280+/-0.110 χ^2/NDF: 11799637.2/63

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

Out: 581.984+/-0.073 χ^2/NDF:11788186.1/56

All: 584.898+/-0.052 χ^2/NDF: 22490351.5/11



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: 80.363+/-177.182 χ^2/NDF: 22.8/32

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

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

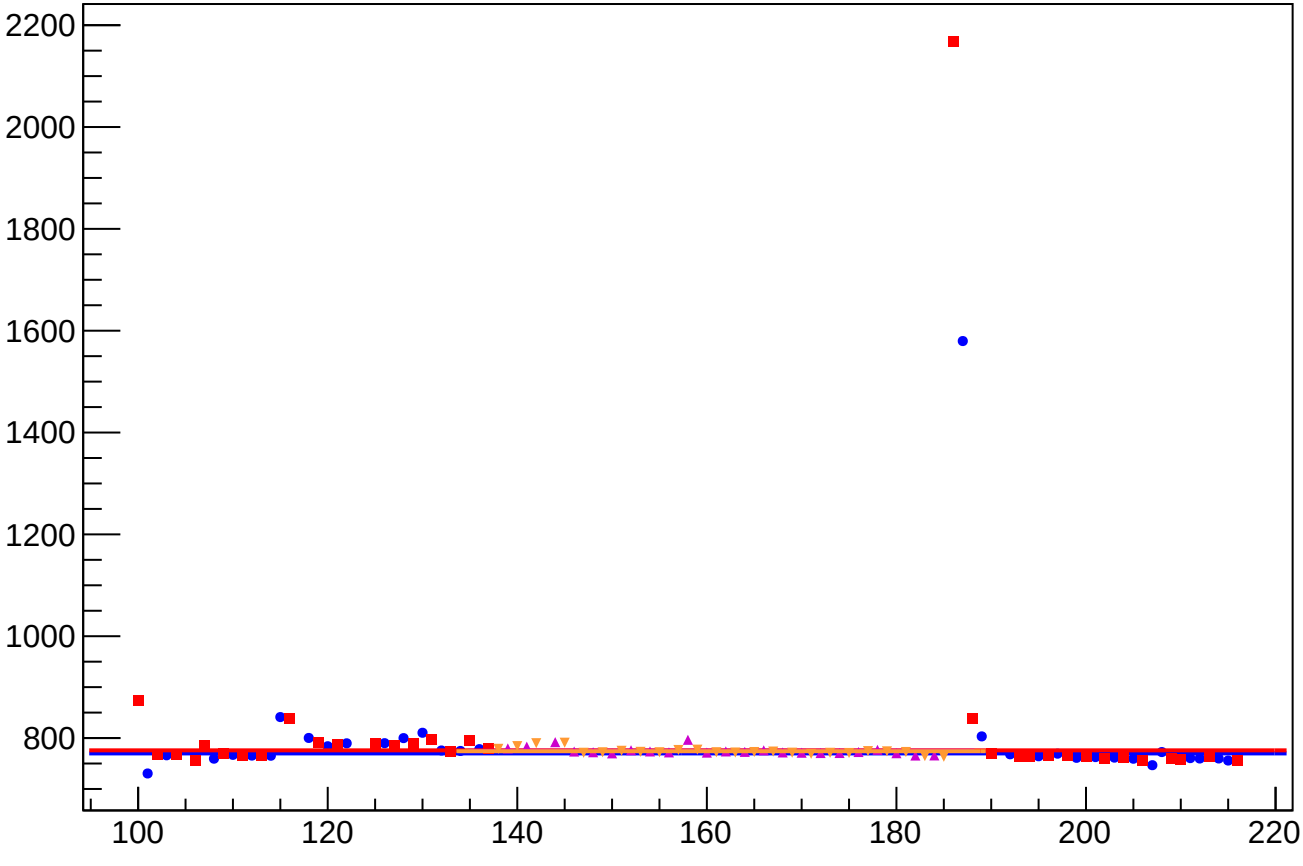
Right: -21.206+/-124.773 χ^2/NDF: 40.5/63

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

Out: -103.240+/-126.157 χ^2/NDF:41.6/56

All: -134.075+/-89.175 χ^2/NDF: 81.0/110

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: 775.863+/-0.125 χ^2/NDF: 363373.7/32

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

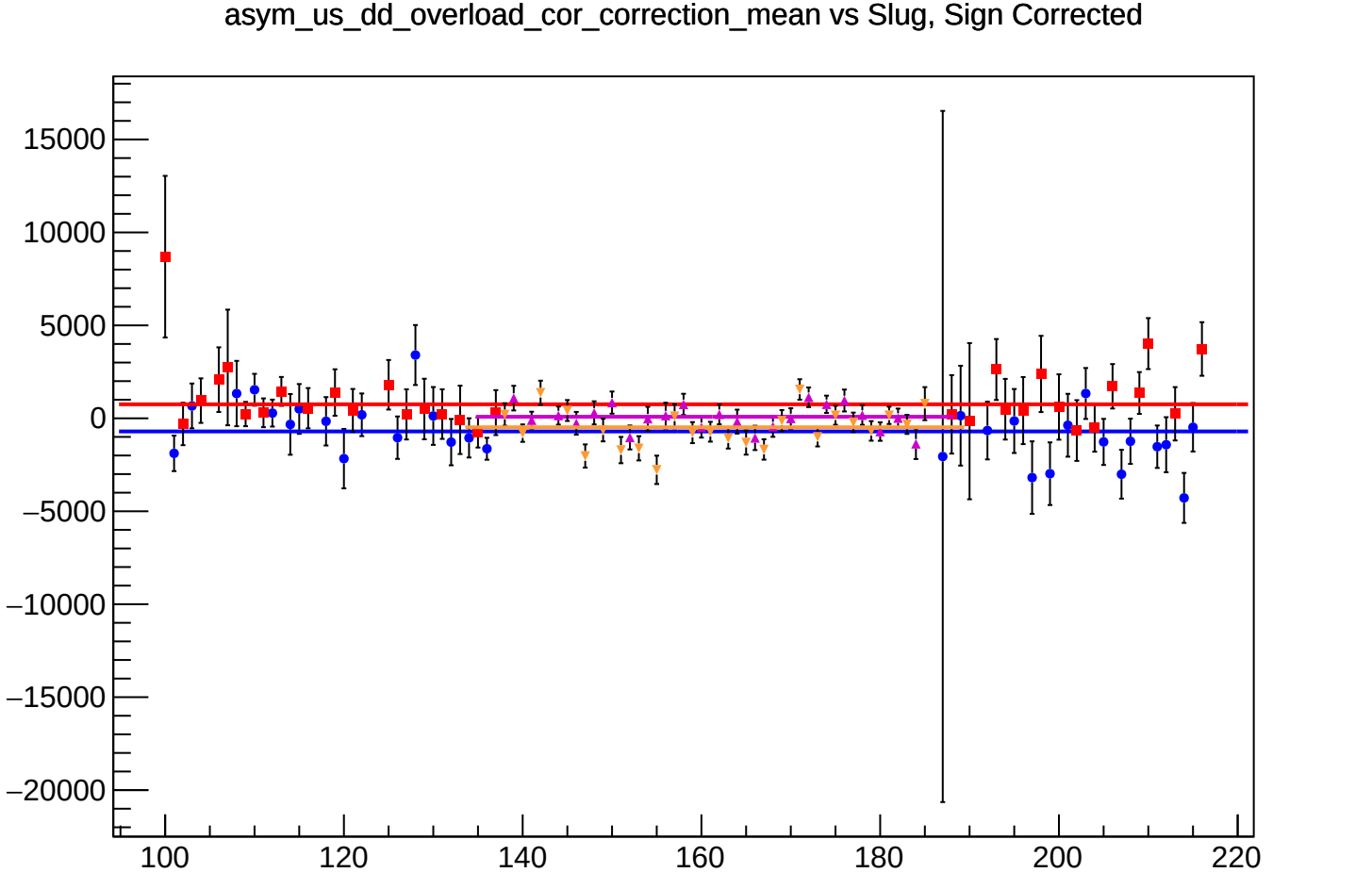
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

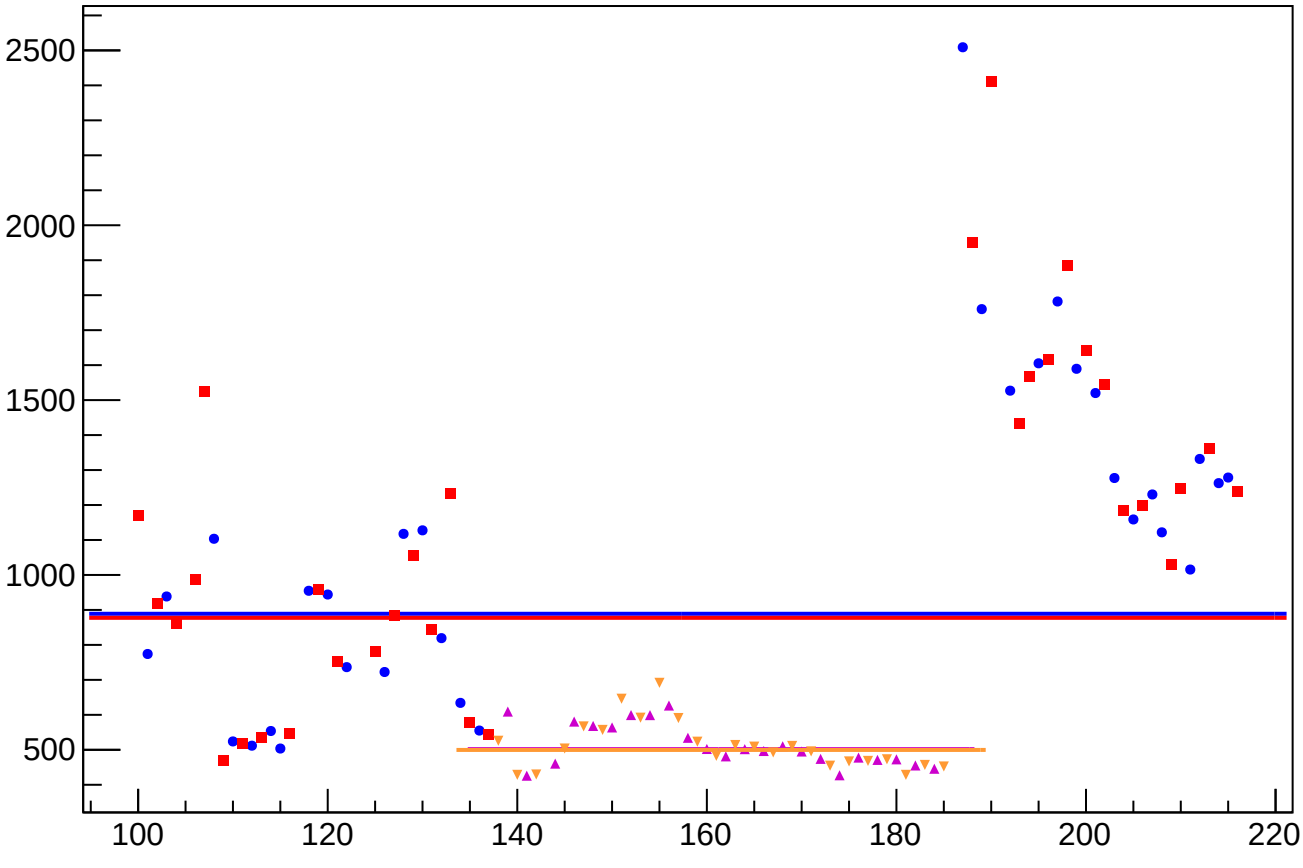
Right: 772.820+/-0.088 χ^2/NDF: 466901.5/63

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

Out: 775.014+/-0.089 χ^2/NDF:365527.1/56

All: 773.673+/-0.063 χ^2/NDF: 472323.0/110


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -704.932+/-219.902 χ²/NDF: 42.3/30
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 753.590+/-221.942 χ²/NDF: 27.1/31
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 17.596+/-156.210 χ²/NDF: 91.1/62
In: -93.454+/-104.109 χ²/NDF:80.5/53
Out: -212.432+/-103.563 χ²/NDF:114.8/55
All: -153.256+/-73.422 χ²/NDF: 195.9/109



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: 877.431+/-0.157 χ^2/NDF: 6169706.9/31

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

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

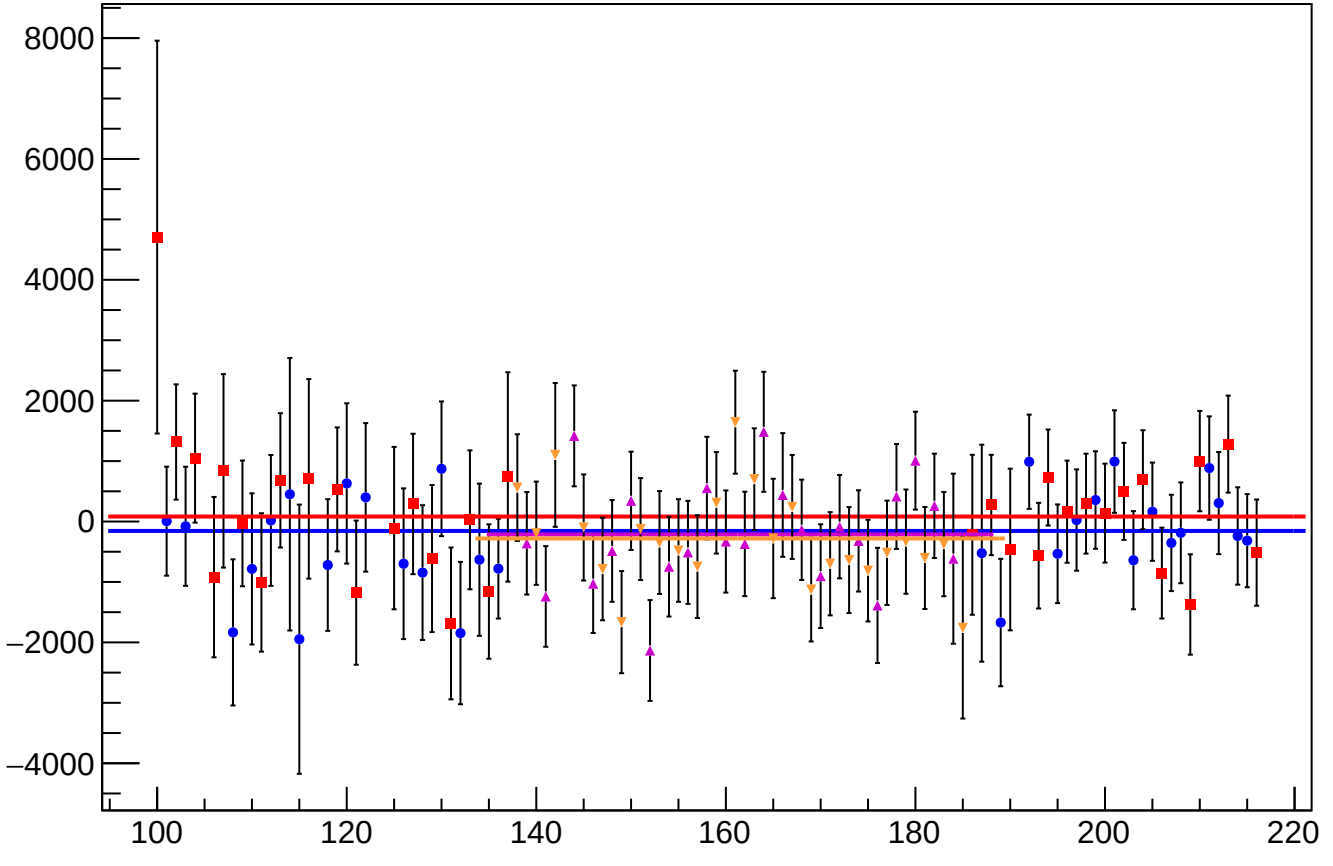
Right: 883.266+/-0.110 χ^2/NDF: 11276653.7/62

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

Out: 581.921+/-0.073 χ^2/NDF:11218537.9/55

All: 585.323+/-0.052 χ^2/NDF: 21599691.7/10

eigen_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: 82.820+/-175.566 χ^2/NDF: 22.6/32

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

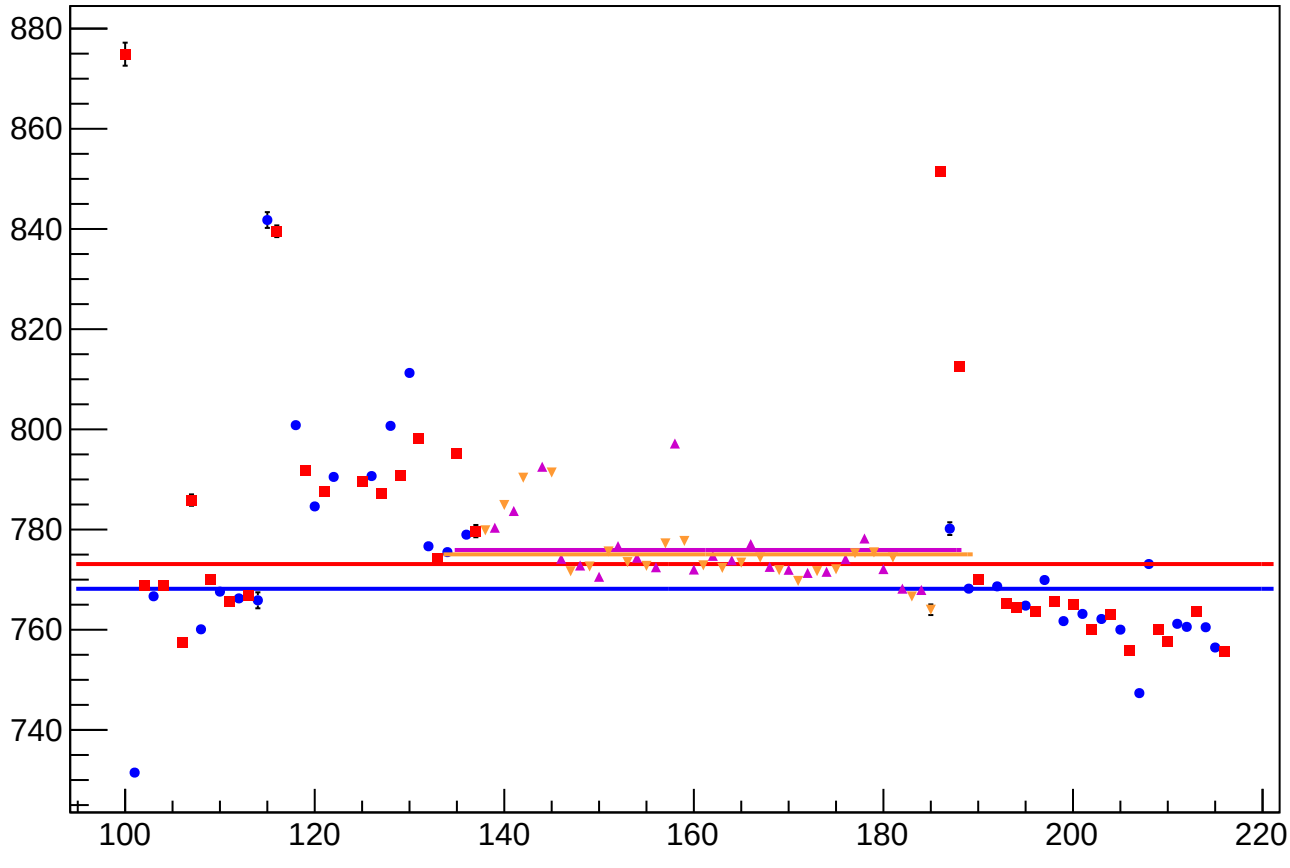
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -36.950+/-123.887 χ^2/NDF: 40.7/63

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

Out: -94.364+/-125.641 χ^2/NDF:40.8/56

All: -138.900+/-88.901 χ^2/NDF: 80.6/110



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: 773.112+/-0.124 χ^2/NDF: 26149.5/32

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

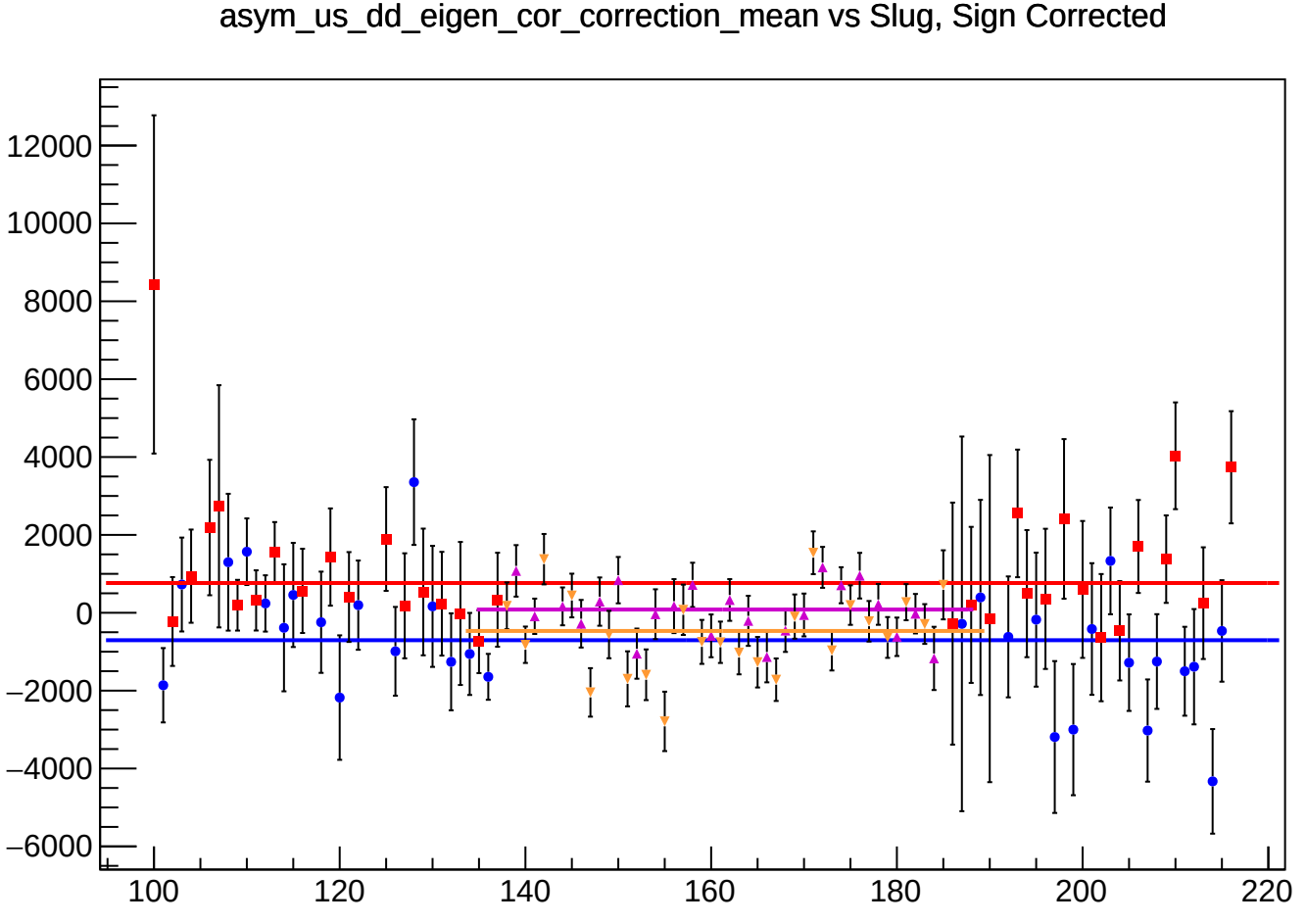
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 770.633+/-0.088 χ^2/NDF: 44178.6/63

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

Out: 774.057+/-0.089 χ^2/NDF:28219.6/56

All: 772.985+/-0.063 χ^2/NDF: 50612.8/110



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: 764.198+/-220.988 χ^2/NDF: 27.2/32

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

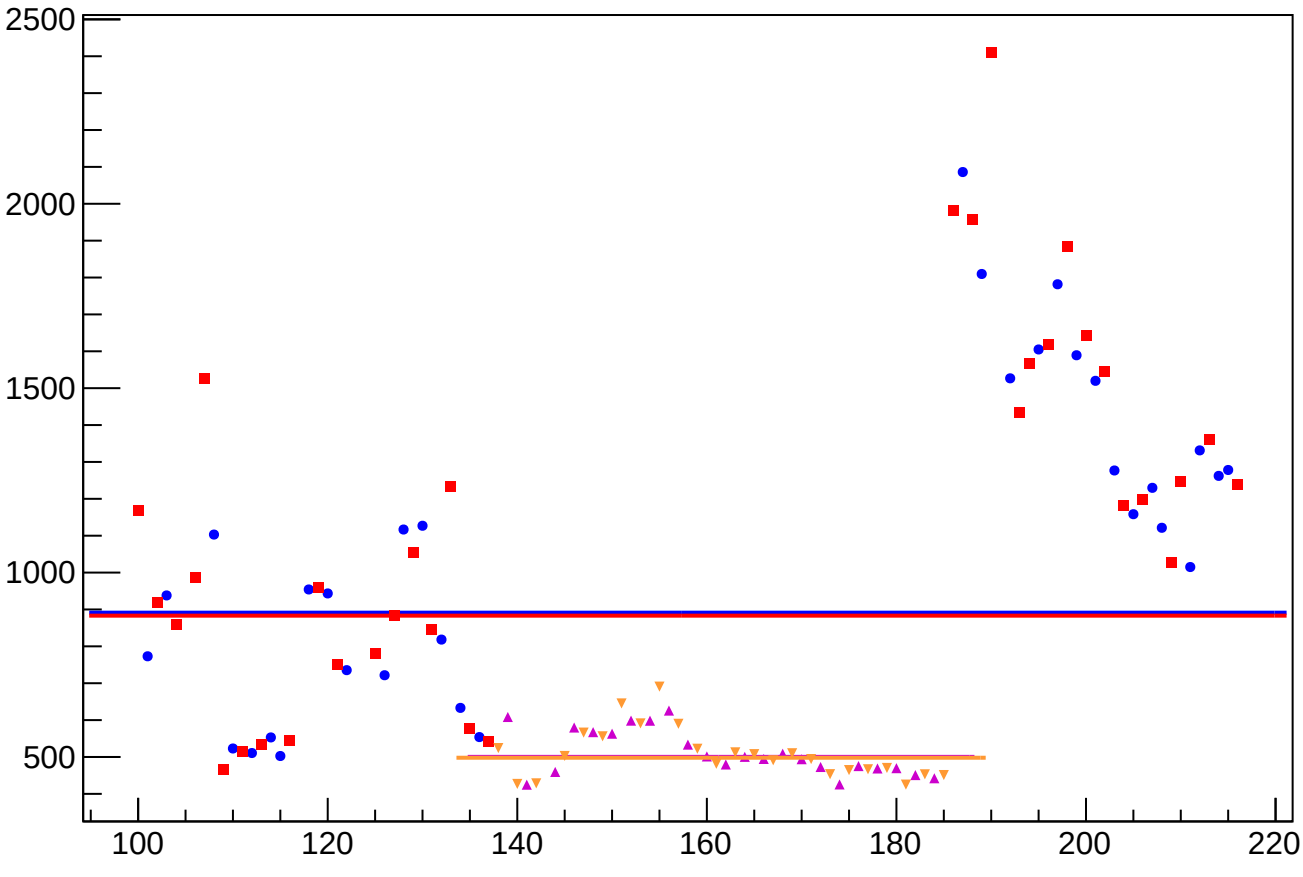
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 24.108+/-155.677 χ^2/NDF: 92.0/63

In: -93.304+/-103.786 χ^2/NDF:80.6/53

Out: -198.597+/-103.203 χ^2/NDF:115.9/56

All: -146.247+/-73.181 χ^2/NDF: 197.1/110



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: 883.196+/-0.156 χ^2/NDF: 6509078.5/32

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

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

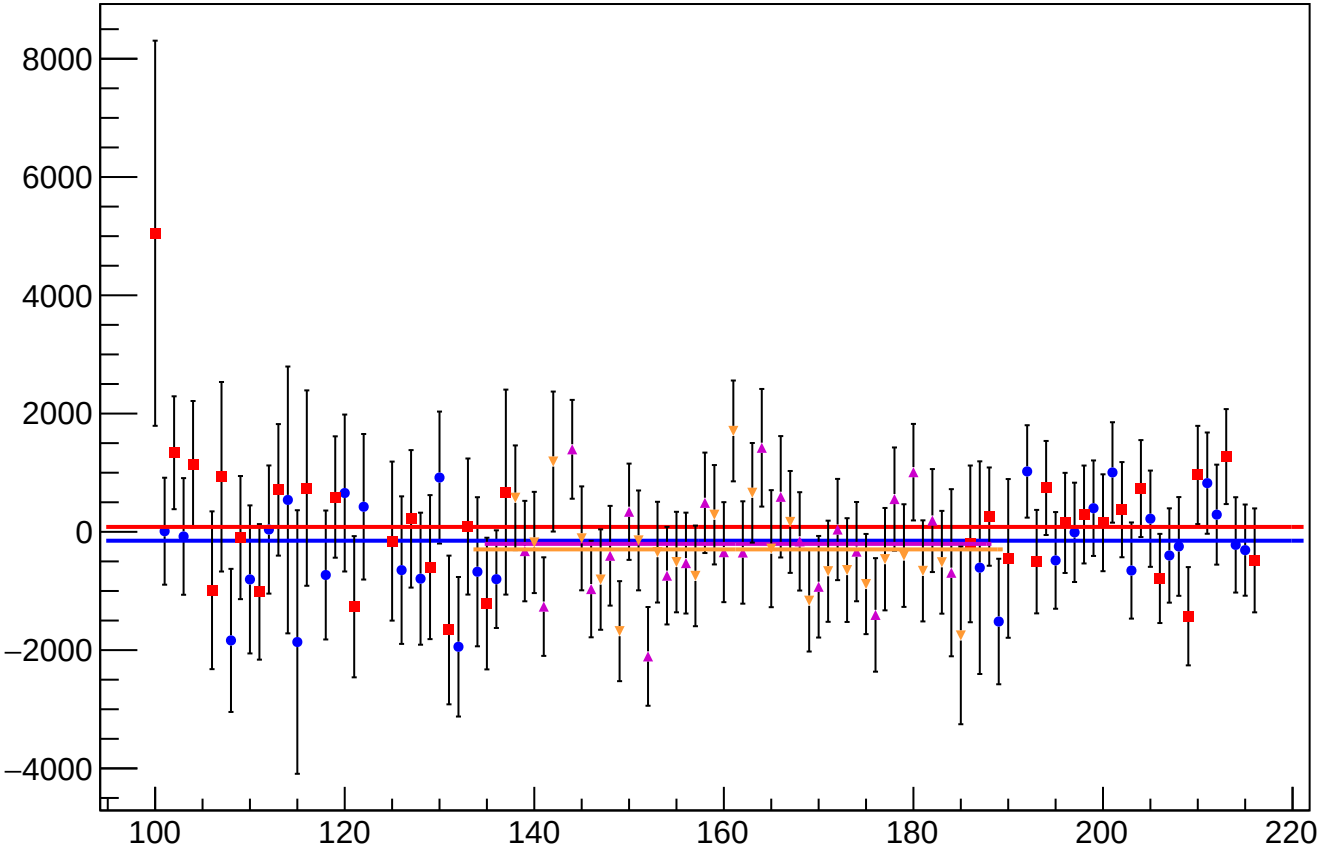
Right: 887.280+/-0.110 χ^2/NDF: 11799637.2/63

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

Out: 581.984+/-0.073 χ^2/NDF:11788186.1/56

All: 584.898+/-0.052 χ^2/NDF: 22490351.5/11

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: 83.181+/-175.774 χ^2/NDF: 23.2/32

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

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

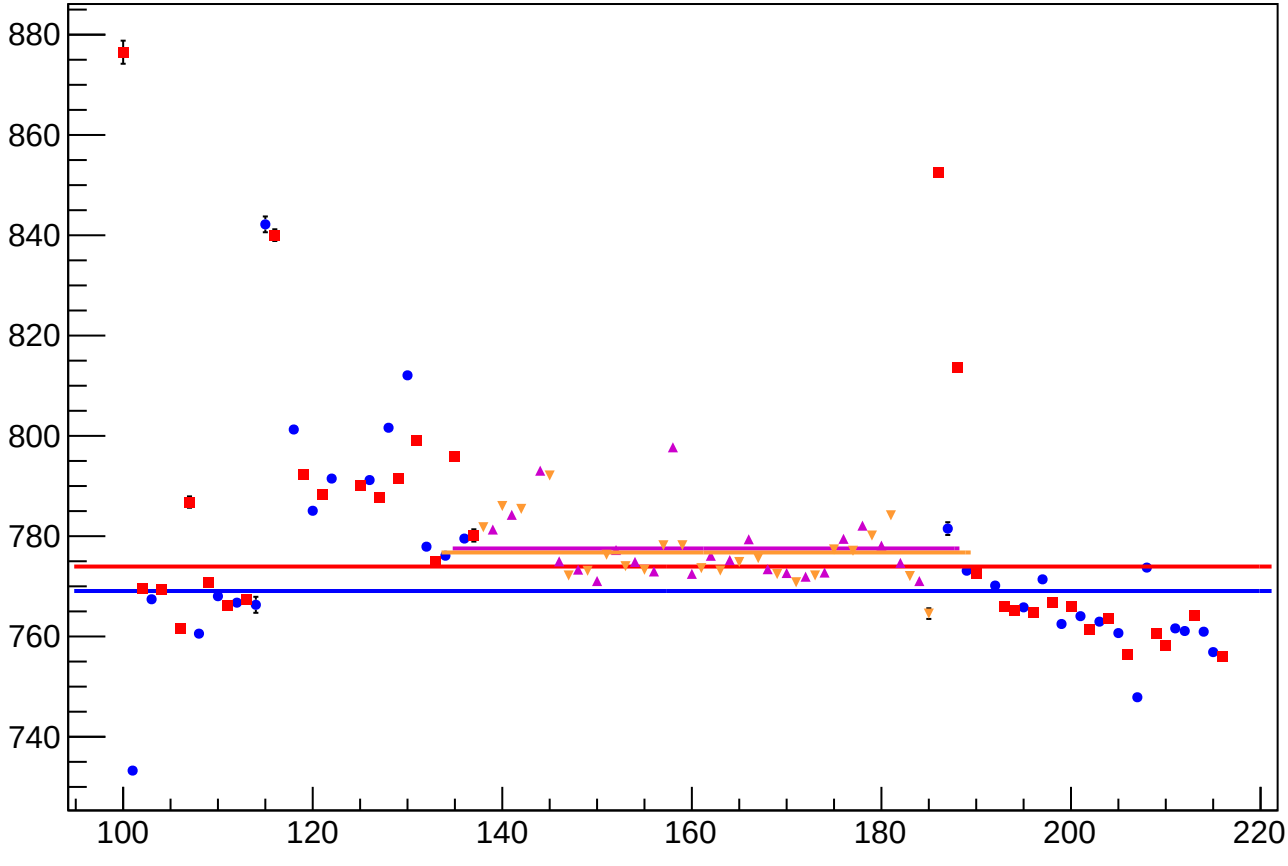
Right: -33.870+/-124.033 χ^2/NDF: 41.3/63

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

Out: -101.987+/-125.854 χ^2/NDF:42.2/56

All: -138.784+/-89.048 χ^2/NDF: 81.7/110

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: 773.945+/-0.124 χ^2/NDF: 26091.0/32

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

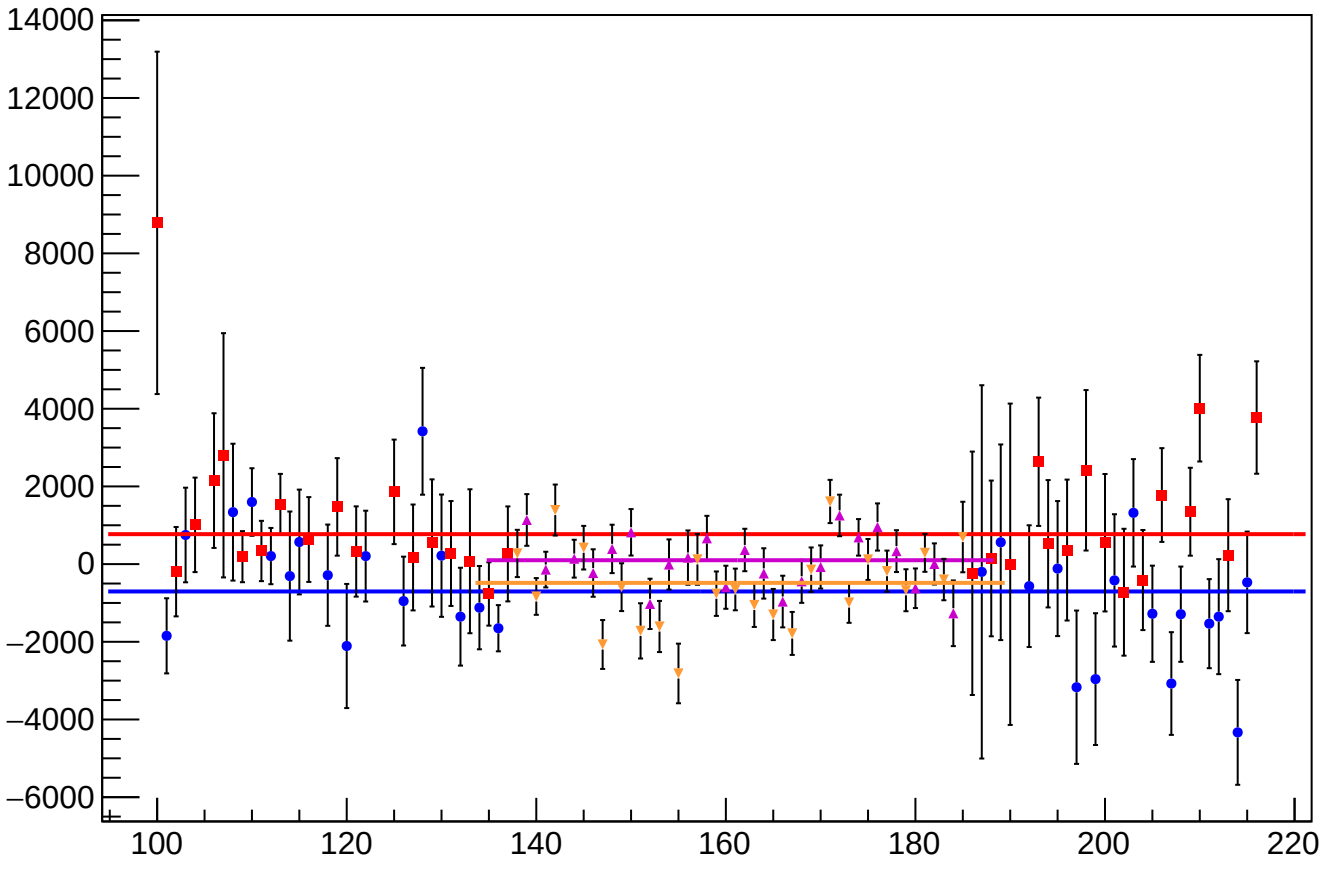
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 771.496+/-0.088 χ^2/NDF: 43976.1/63

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

Out: 775.312+/-0.089 χ^2/NDF:28165.7/56

All: 774.234+/-0.063 χ^2/NDF: 50584.7/110



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: 771.160+/-222.769 χ^2/NDF: 27.4/32

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

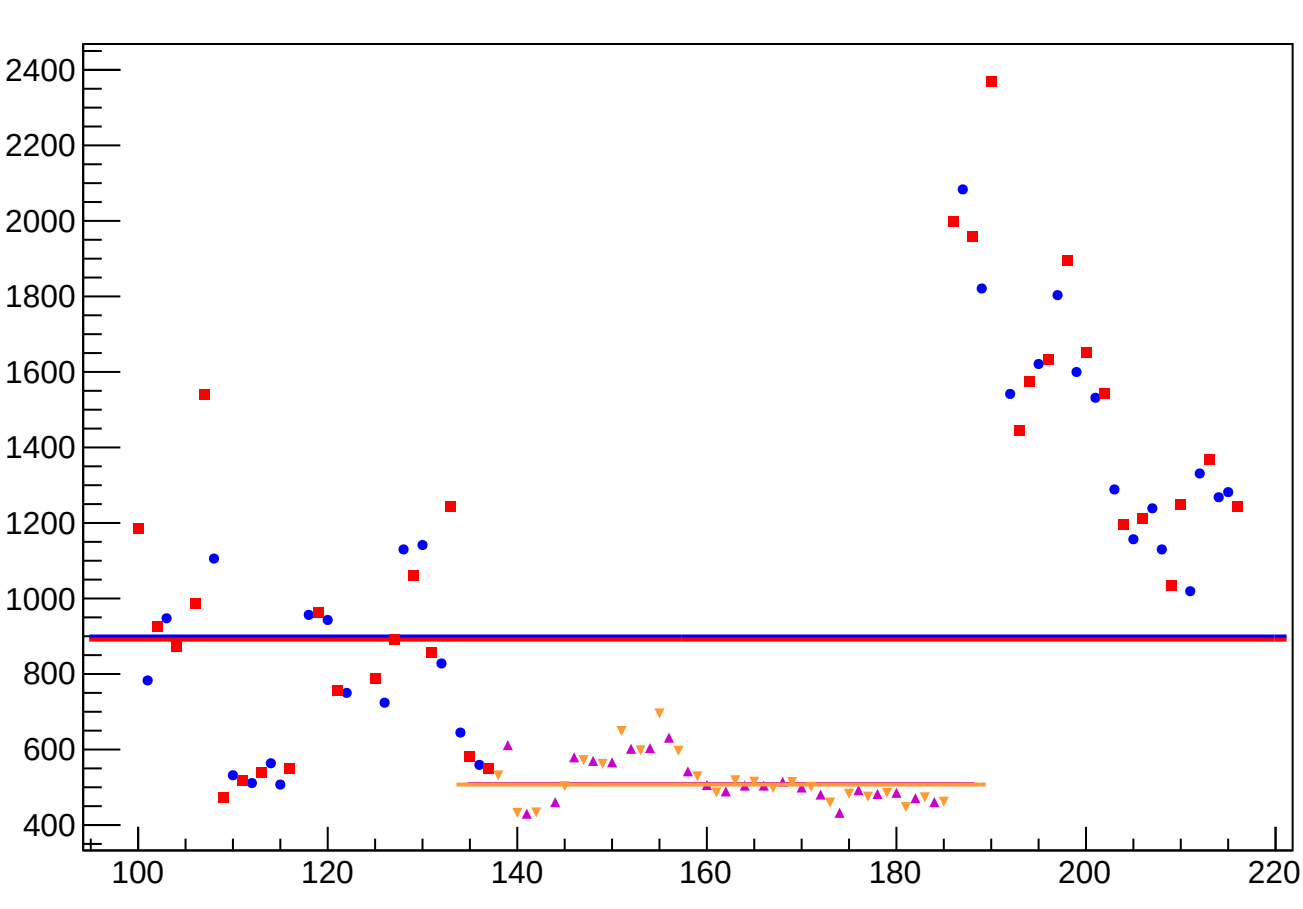
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 28.286+/-156.960 χ^2/NDF: 91.9/63

In: -82.099+/-105.258 χ^2/NDF:80.1/53

Out: -205.191+/-104.829 χ^2/NDF:117.2/56

All: -143.896+/-74.276 χ^2/NDF: 197.9/110



Right In: 899.360+/-0.156 χ^2/NDF: 5253263.6/30

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

Right Out: 891.088+/-0.158 χ^2/NDF: 6458735.0/32

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

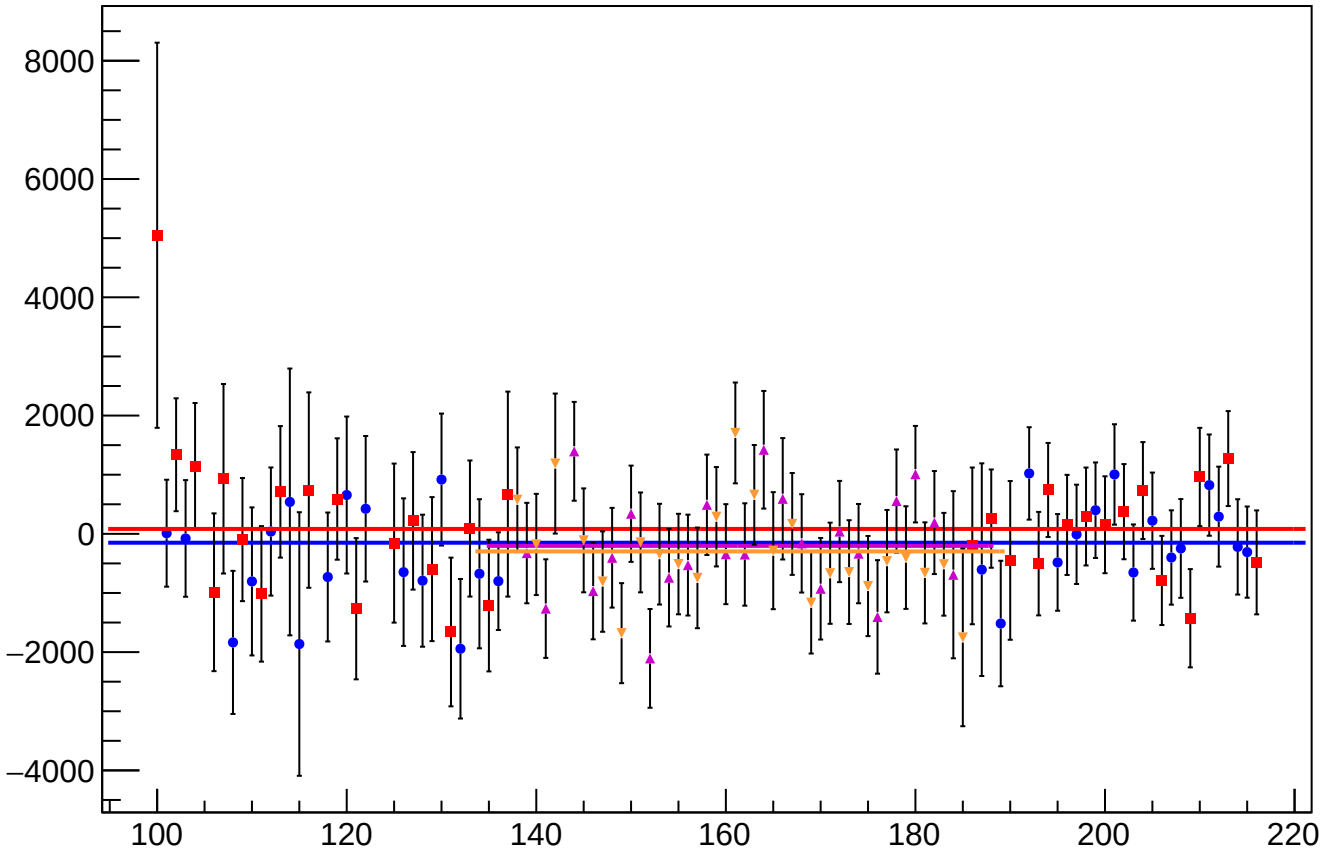
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 895.253+/-0.111 χ^2/NDF: 11713387.0/63

In: 597.118+/-0.074 χ^2/NDF:10513189.6/53

Out: 592.300+/-0.074 χ^2/NDF:11553894.4/56

All: 594.699+/-0.053 χ^2/NDF: 22069187.2/11



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: 83.180+/-175.774 χ^2/NDF: 23.2/32

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

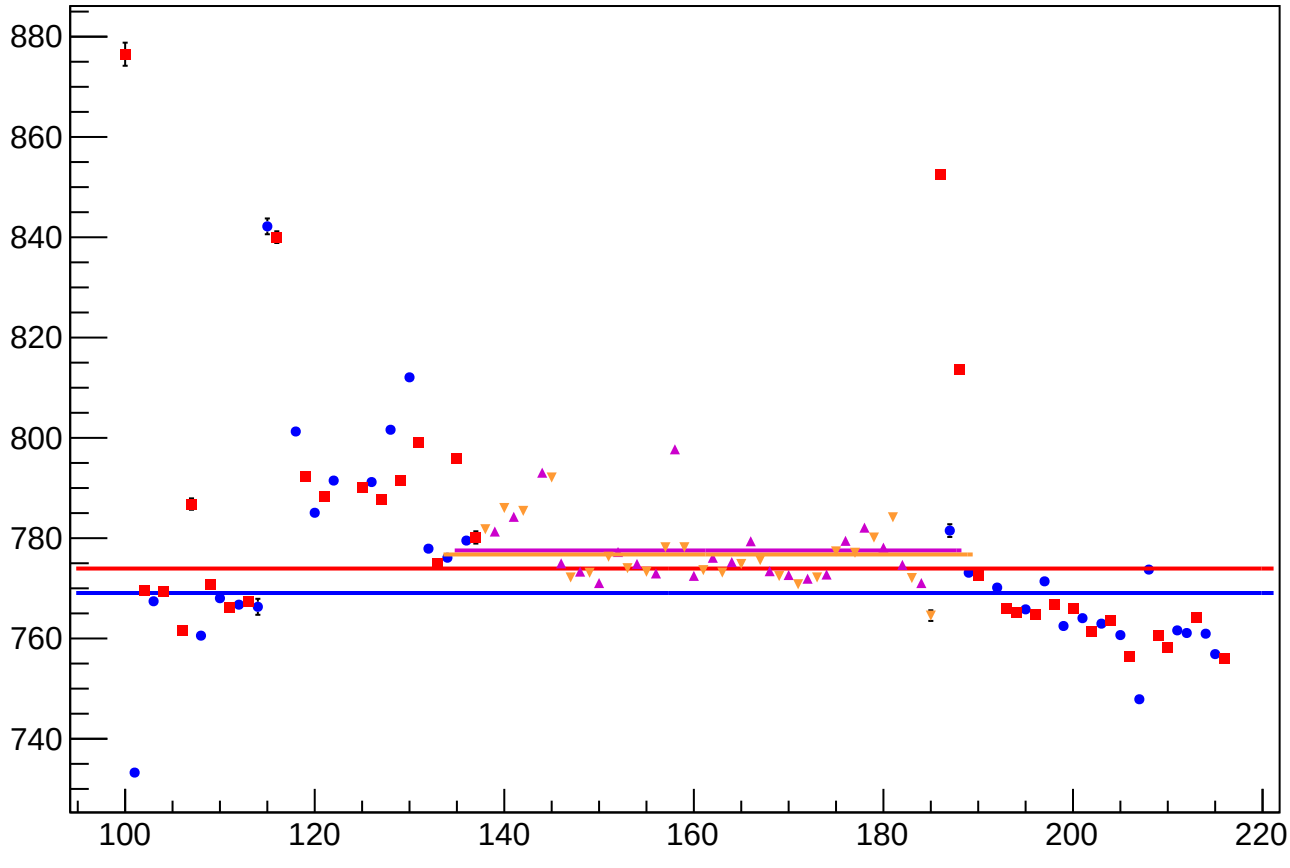
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -33.872+/-124.033 χ^2/NDF: 41.3/63

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

Out: -101.988+/-125.854 χ^2/NDF:42.2/56

All: -138.784+/-89.048 χ^2/NDF: 81.7/110



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: 773.945+/-0.124 χ^2/NDF: 26091.0/32

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

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

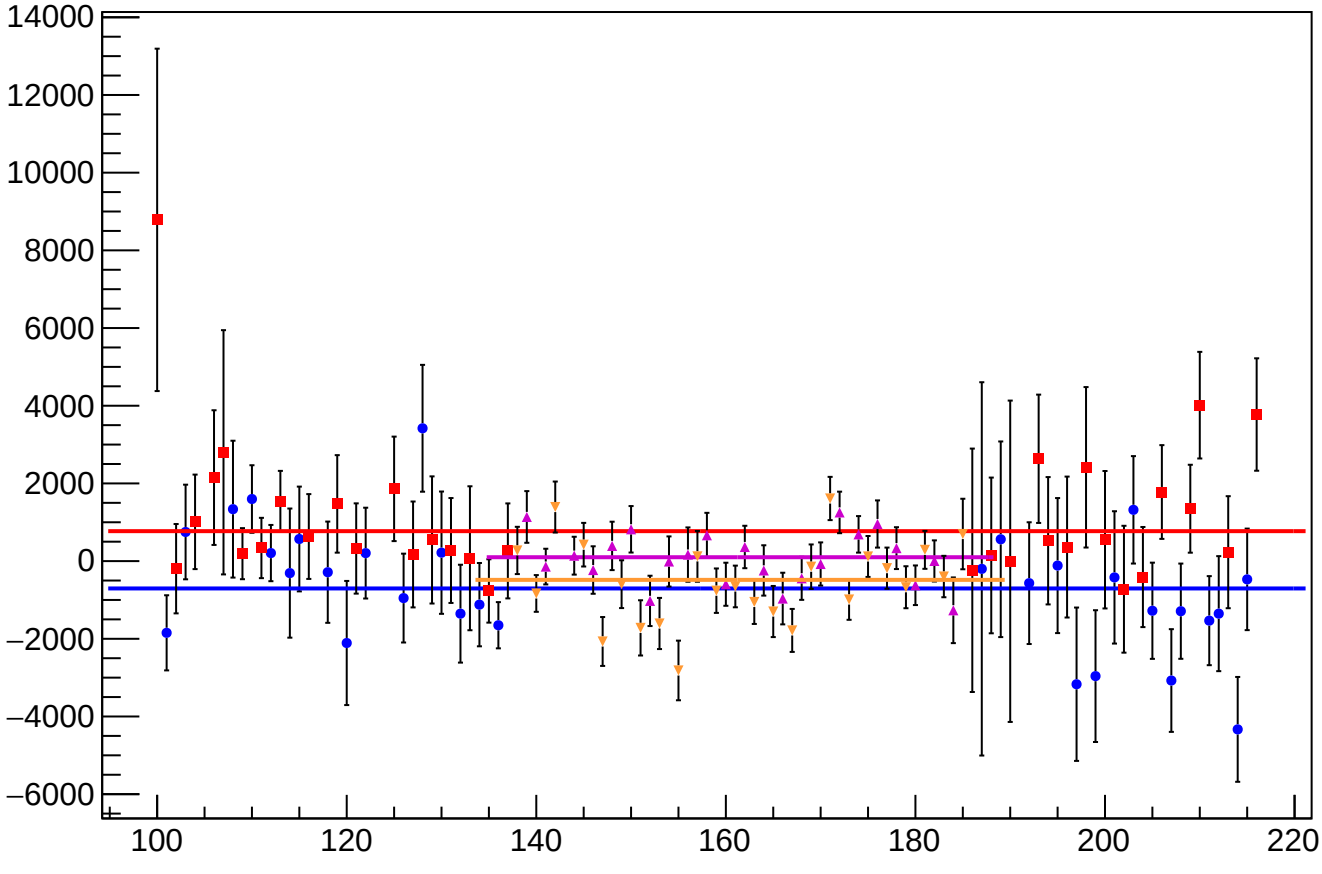
Right: 771.496+/-0.088 χ^2/NDF: 43976.0/63

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

Out: 775.312+/-0.089 χ^2/NDF:28165.7/56

All: 774.234+/-0.063 χ^2/NDF: 50584.6/110

asym_us_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 771.158+/-222.769 χ^2/NDF: 27.4/32

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

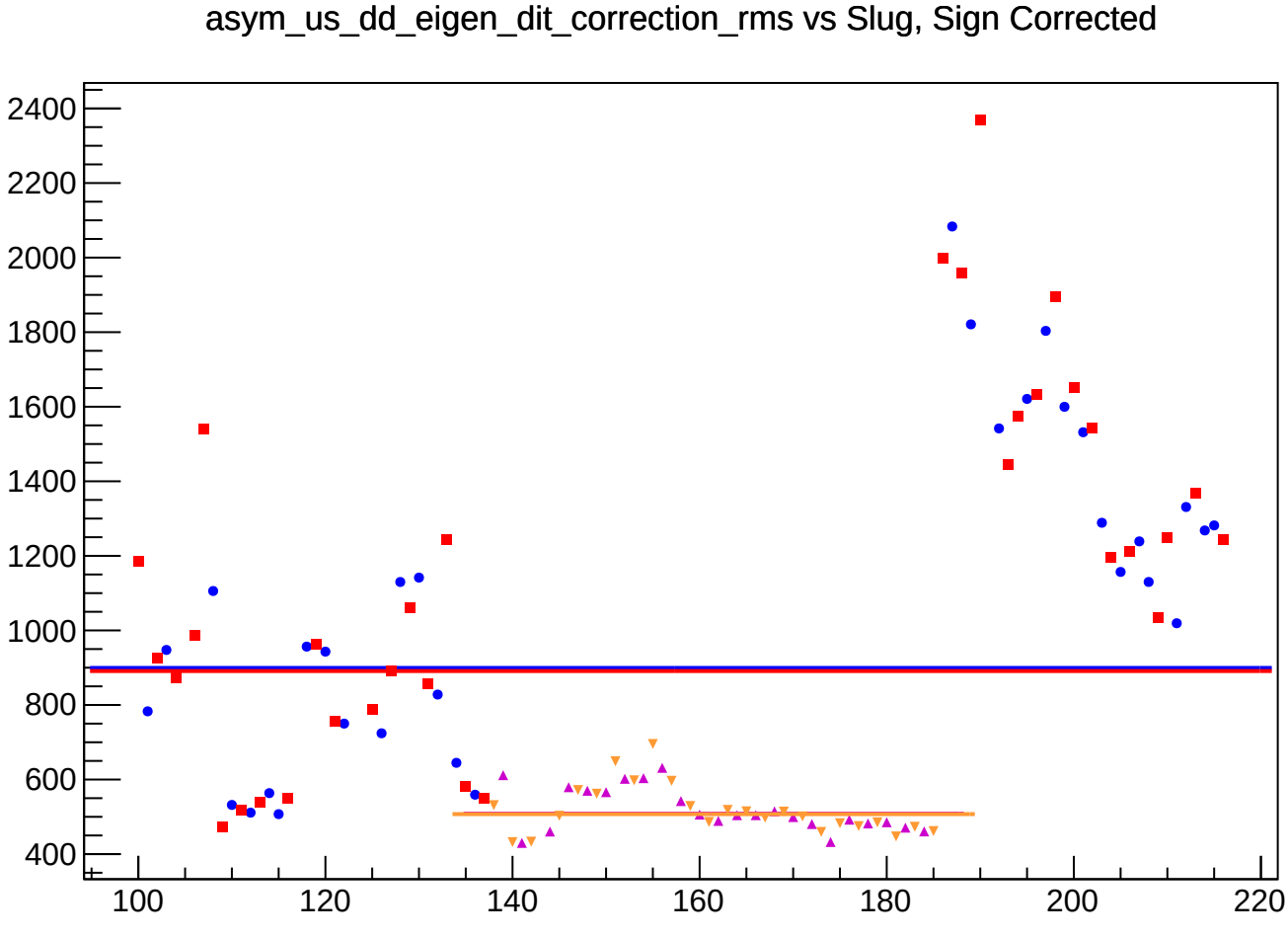
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 28.288+/-156.960 χ^2/NDF: 91.9/63

In: -82.099+/-105.257 χ^2/NDF:80.1/53

Out: -205.190+/-104.829 χ^2/NDF:117.2/56

All: -143.895+/-74.276 χ^2/NDF: 197.9/110



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: 891.085+/-0.158 χ^2/NDF: 6458805.3/32

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

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

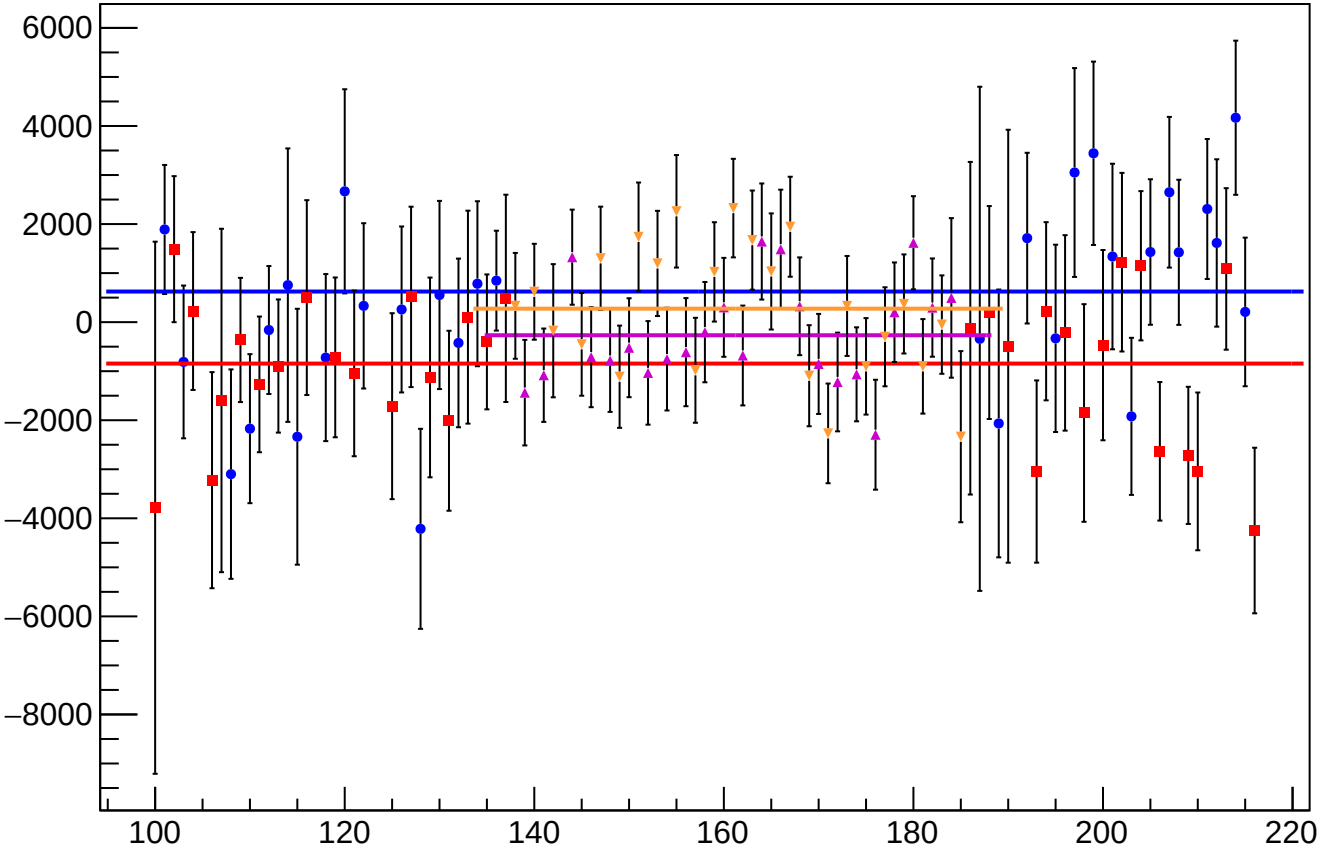
Right: 895.250+/-0.111 χ^2/NDF: 11713530.6/63

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

Out: 592.300+/-0.074 χ^2/NDF:11553905.8/56

All: 594.699+/-0.053 χ^2/NDF: 22069224.6/11

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: -844.809+/-309.803 χ^2/NDF: 23.1/32

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

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

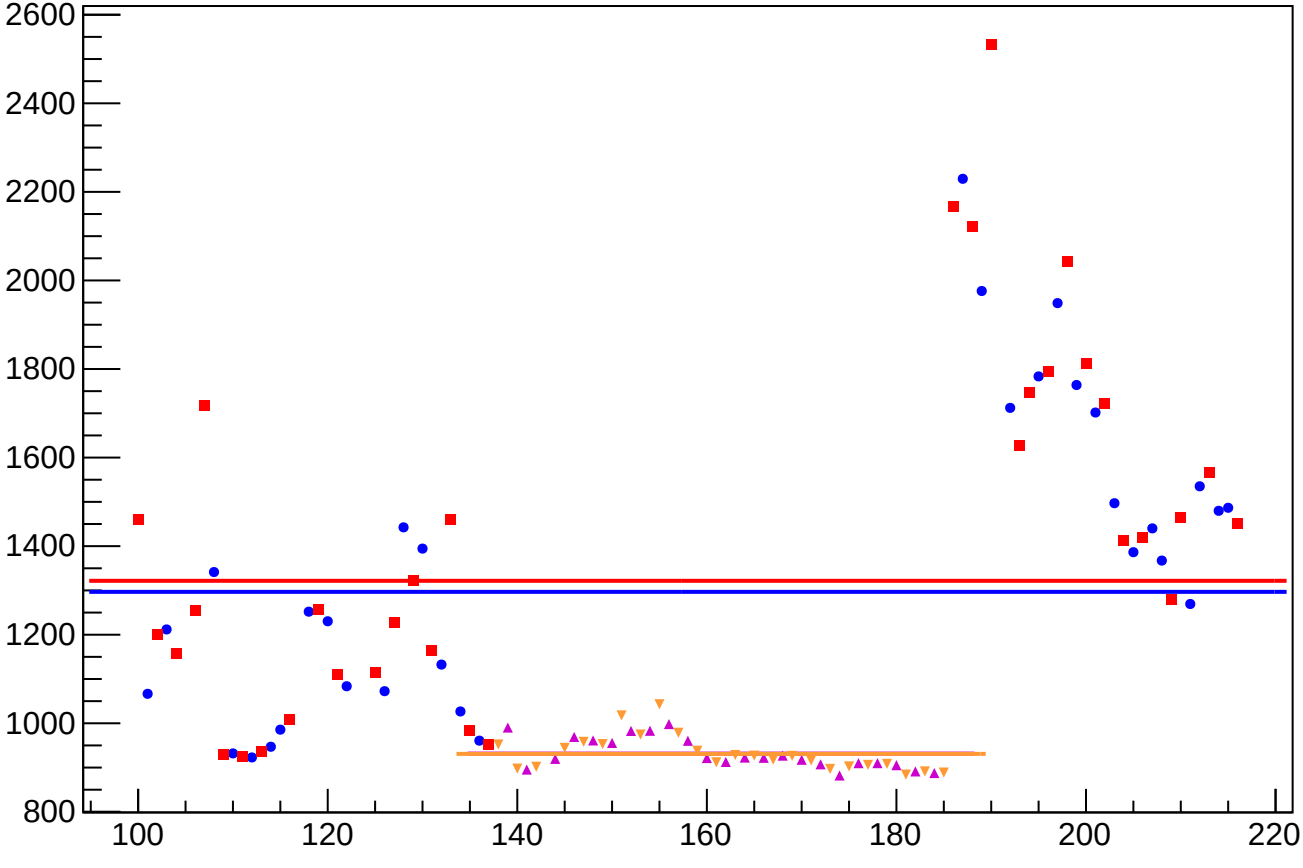
Right: -93.286+/-216.520 χ^2/NDF: 69.3/63

In: 36.749+/-176.736 χ^2/NDF:61.8/53

Out: -91.832+/-177.345 χ^2/NDF:65.5/56

All: -27.320+/-125.186 χ^2/NDF: 127.5/110

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: 1321.762+/-0.219 χ^2/NDF: 2247873.7/32

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

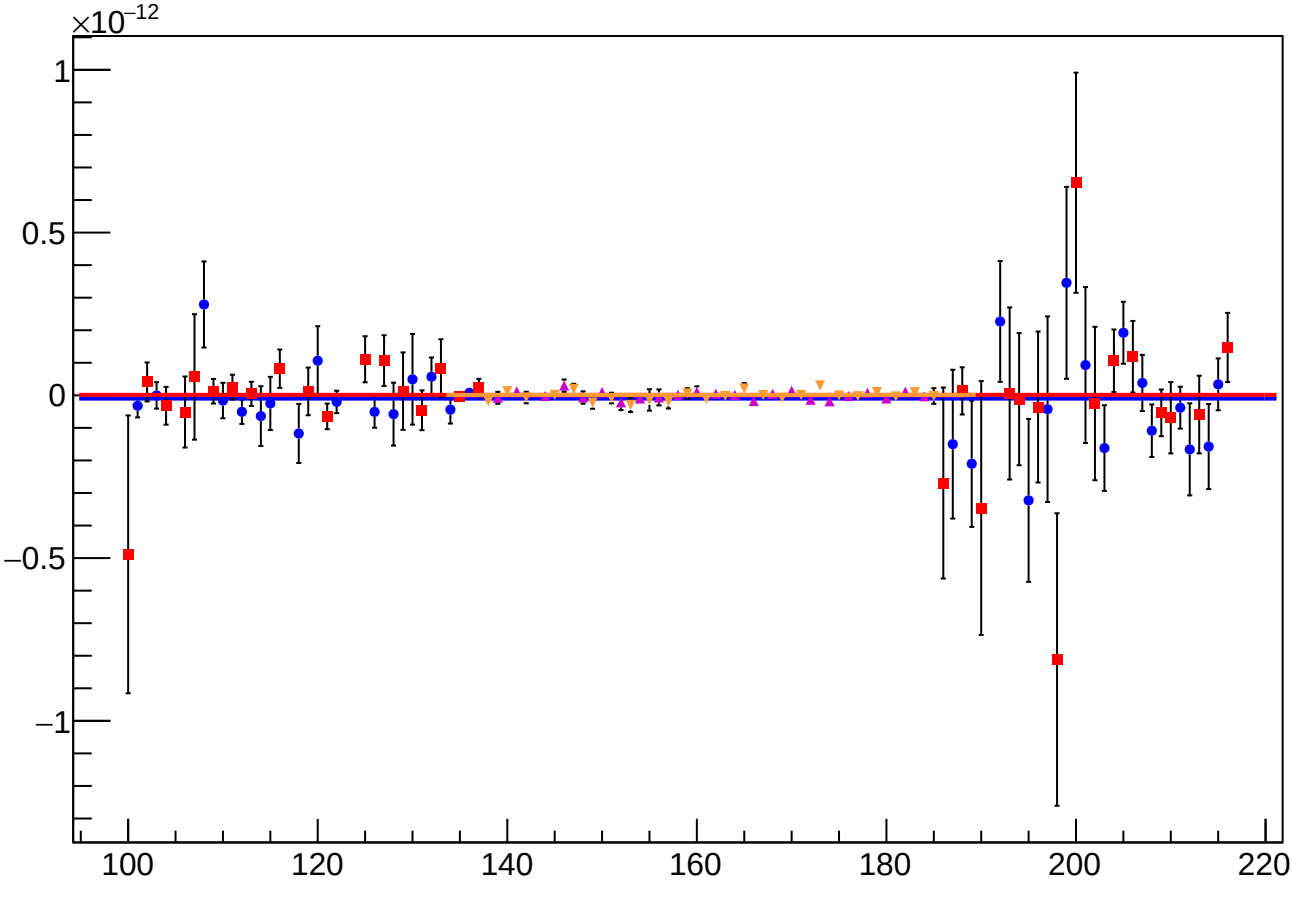
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1308.997+/-0.153 χ^2/NDF: 4031731.6/63

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

Out: 1058.998+/-0.125 χ^2/NDF:4449877.4/56

All: 1057.519+/-0.089 χ^2/NDF: 8195345.2/11



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: 28.5/32

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

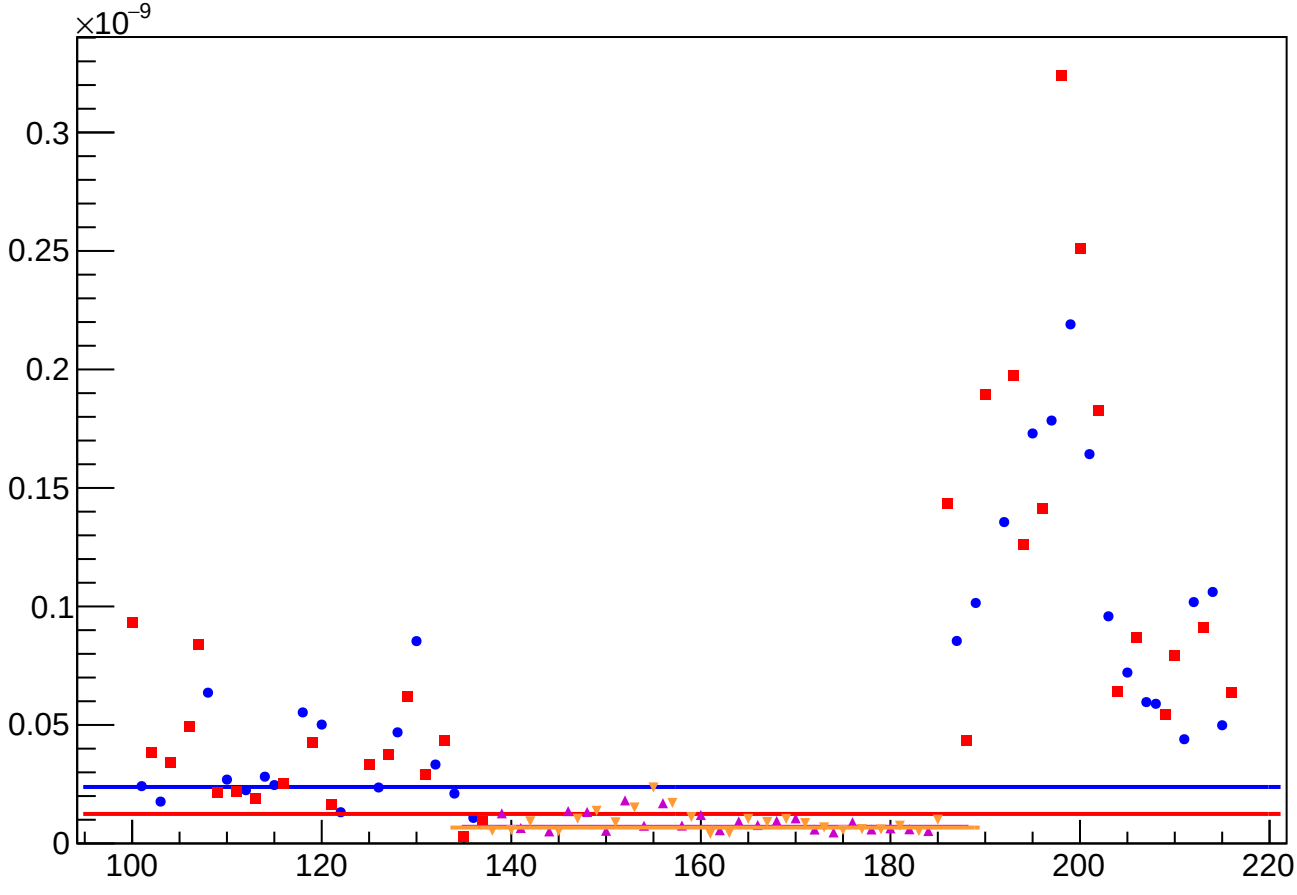
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 60.2/63

In: -0.000+/-0.000 χ^2/NDF:53.8/53

Out: 0.000+/-0.000 χ^2/NDF:54.2/56

All: 0.000+/-0.000 χ^2/NDF: 108.4/110



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: 16172815.7/32

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

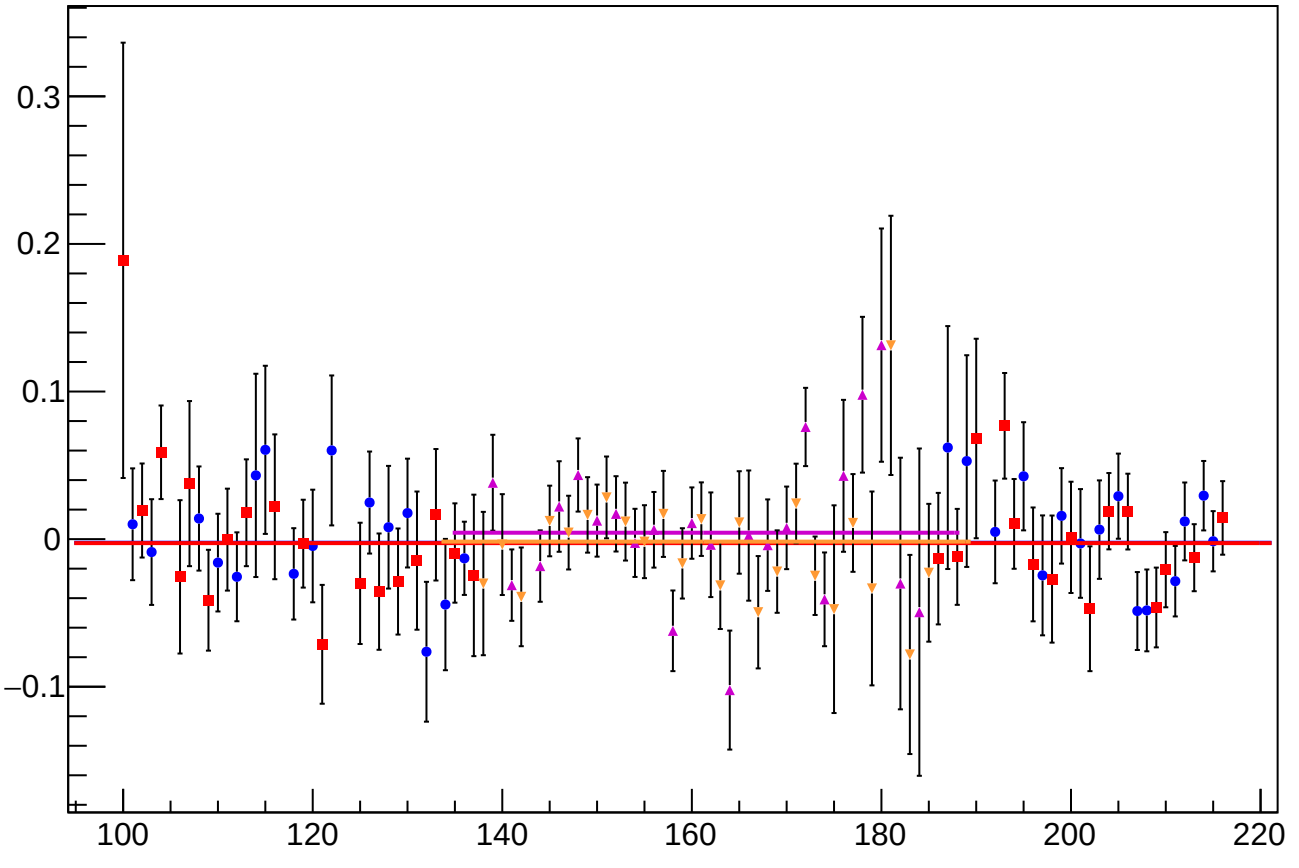
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 28489996.9/63

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

Out: 0.000+/-0.000 χ^2/NDF:20286870.9/56

All: 0.000+/-0.000 χ^2/NDF: 39039396.7/110



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: -0.003+/-0.006 χ^2/NDF: 26.6/32

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

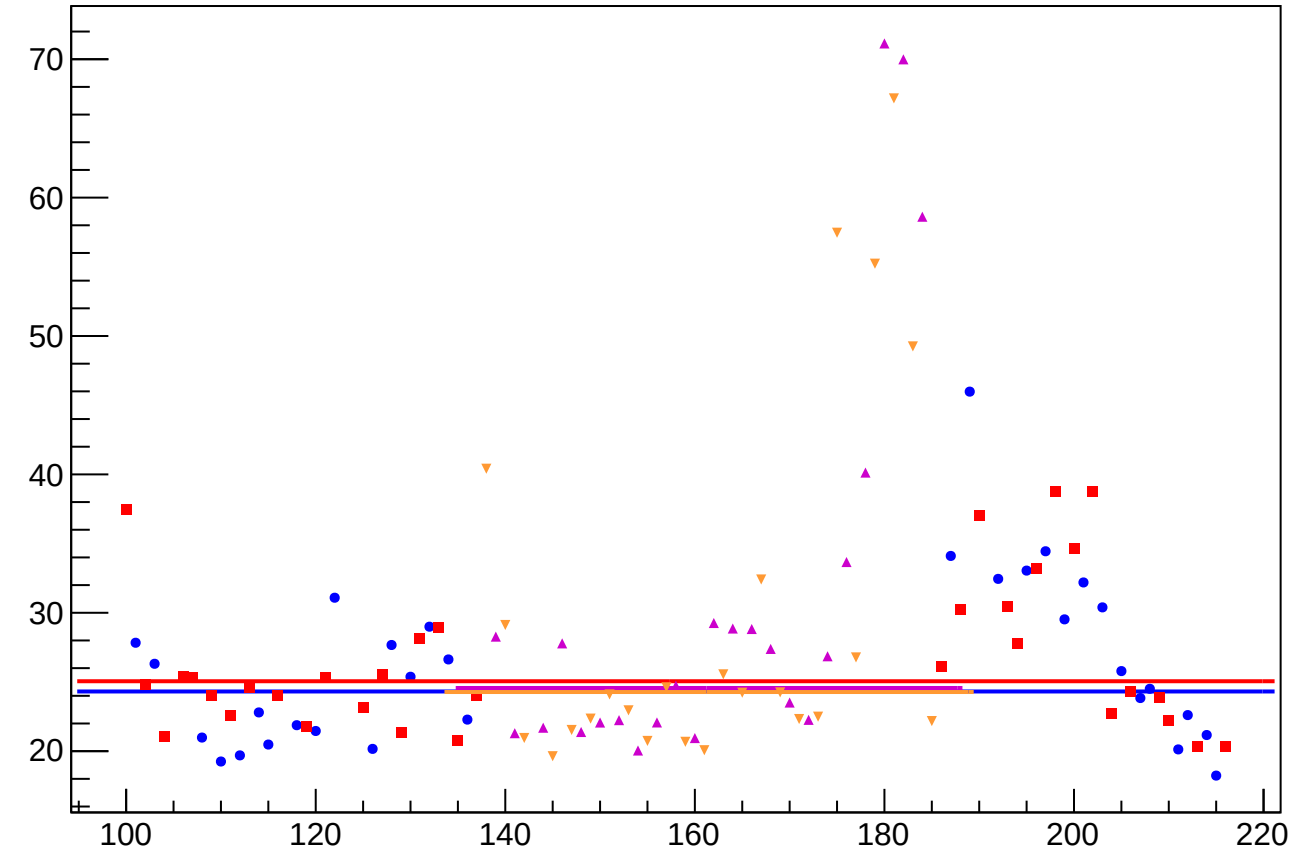
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.004 χ^2/NDF: 49.6/63

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.002+/-0.004 χ^2/NDF:41.2/56

All: -0.001+/-0.003 χ^2/NDF: 101.6/110



Right In: 24.314+/-0.004 χ^2/NDF: 1343267.4/30

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

Right Out: 25.054+/-0.004 χ^2/NDF: 1178800.8/32

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

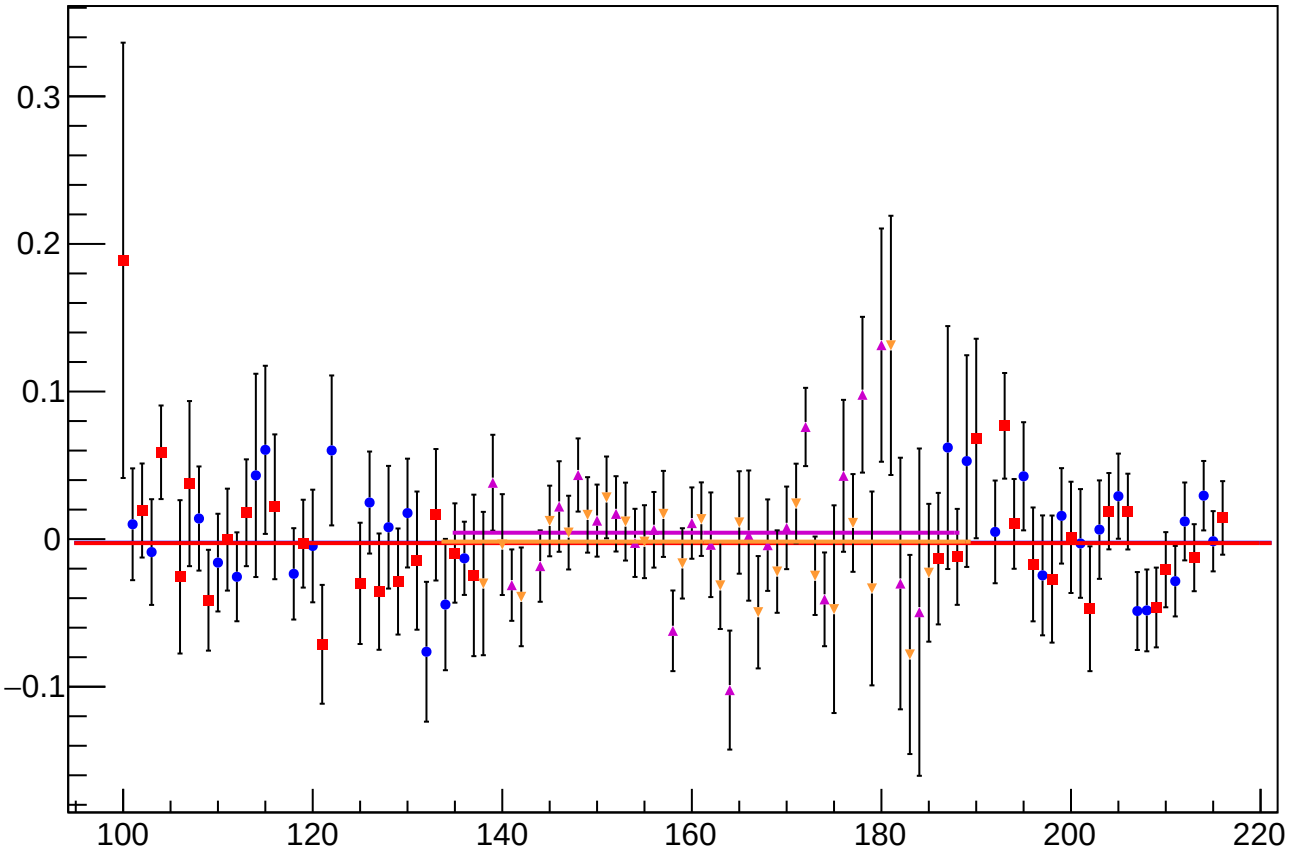
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.676+/-0.003 χ^2/NDF: 2537132.6/63

In: 24.431+/-0.003 χ^2/NDF:3477826.5/53

Out: 24.680+/-0.003 χ^2/NDF:3505193.4/56

All: 24.555+/-0.002 χ^2/NDF: 6986267.3/110



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: -0.003+/-0.006 χ^2/NDF: 26.6/32

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

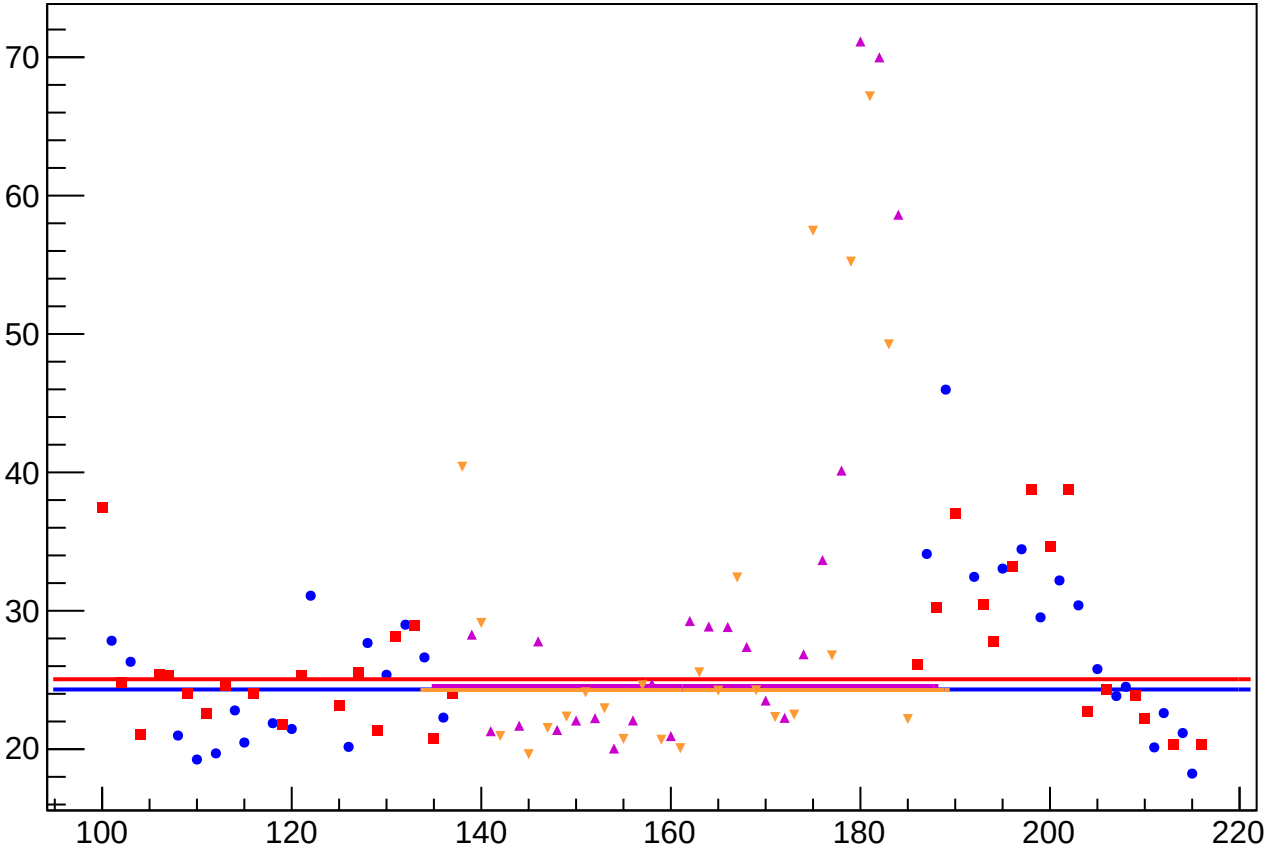
Right: -0.003+/-0.004 χ^2/NDF: 49.6/63

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.002+/-0.004 χ^2/NDF:41.2/56

All: -0.001+/-0.003 χ^2/NDF: 101.6/110

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.314+/-0.004 χ^2/NDF: 1343267.4/30

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

Right Out: 25.054+/-0.004 χ^2/NDF: 1178800.8/32

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

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

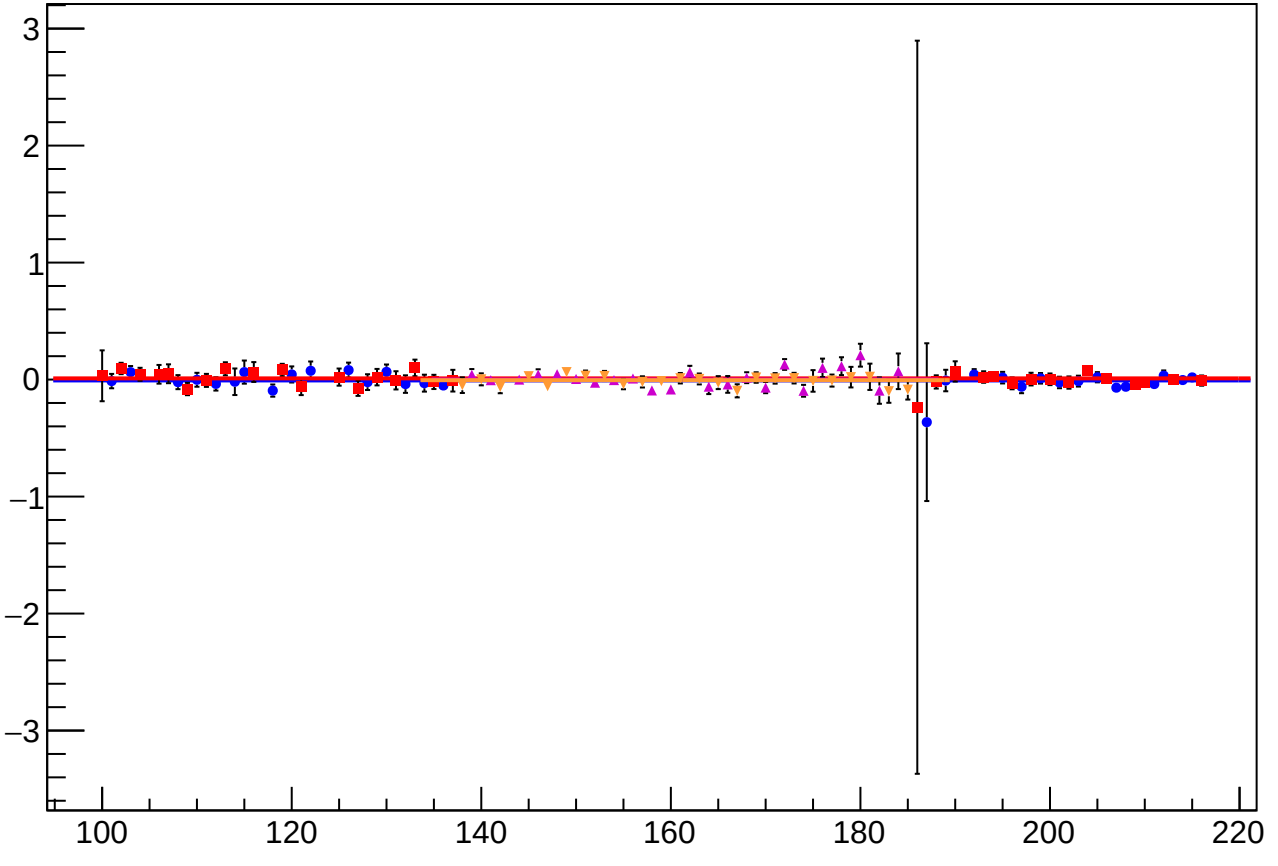
Right: 24.676+/-0.003 χ^2/NDF: 2537132.6/63

In: 24.431+/-0.003 χ^2/NDF:3477826.5/53

Out: 24.680+/-0.003 χ^2/NDF:3505193.4/56

All: 24.555+/-0.002 χ^2/NDF: 6986267.3/110

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: 0.010+/-0.010 χ^2/NDF: 23.2/32

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

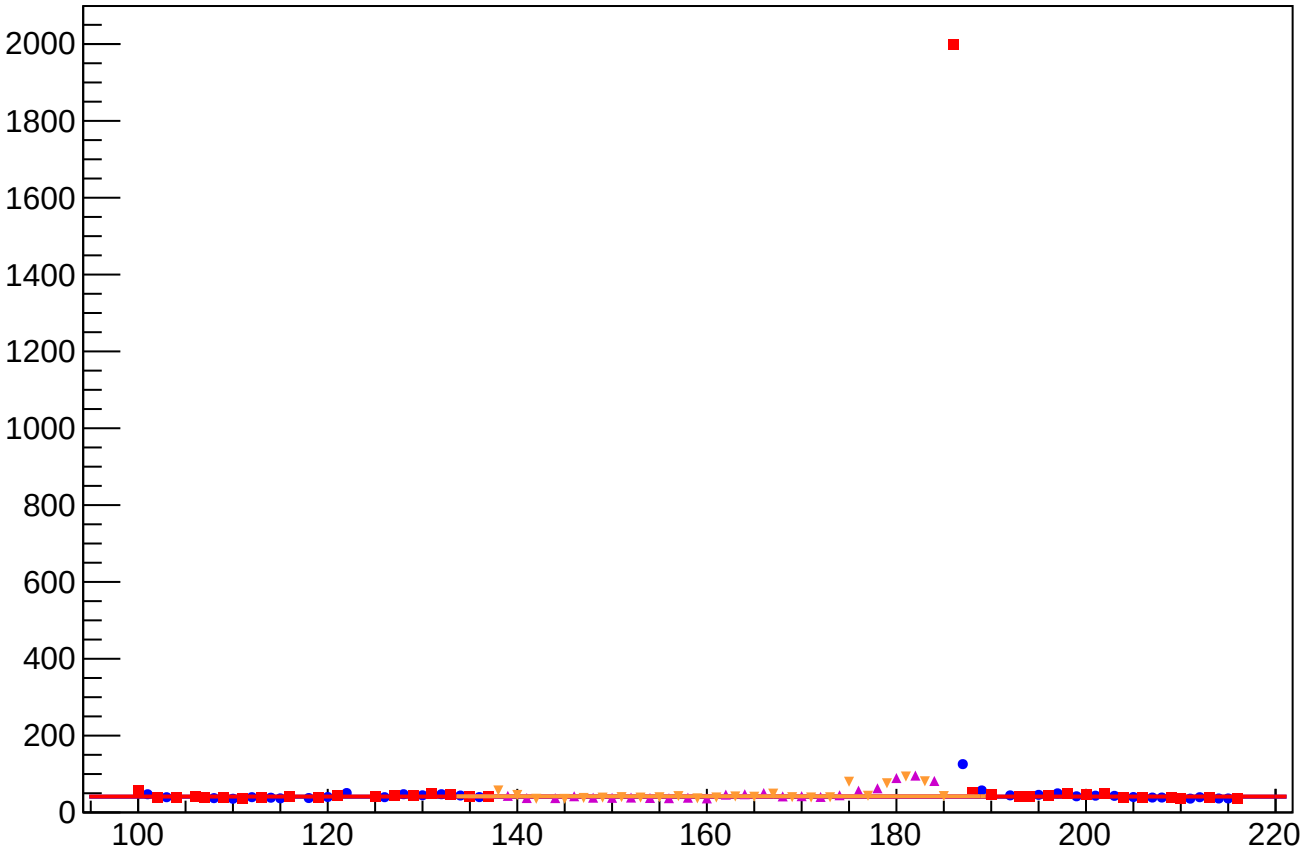
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.001+/-0.007 χ^2/NDF: 45.4/63

In: -0.004+/-0.007 χ^2/NDF:58.8/53

Out: 0.003+/-0.007 χ^2/NDF:38.2/56

All: -0.000+/-0.005 χ^2/NDF: 97.5/110



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: 41.417+/-0.007 χ^2/NDF: 1140264.4/32

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

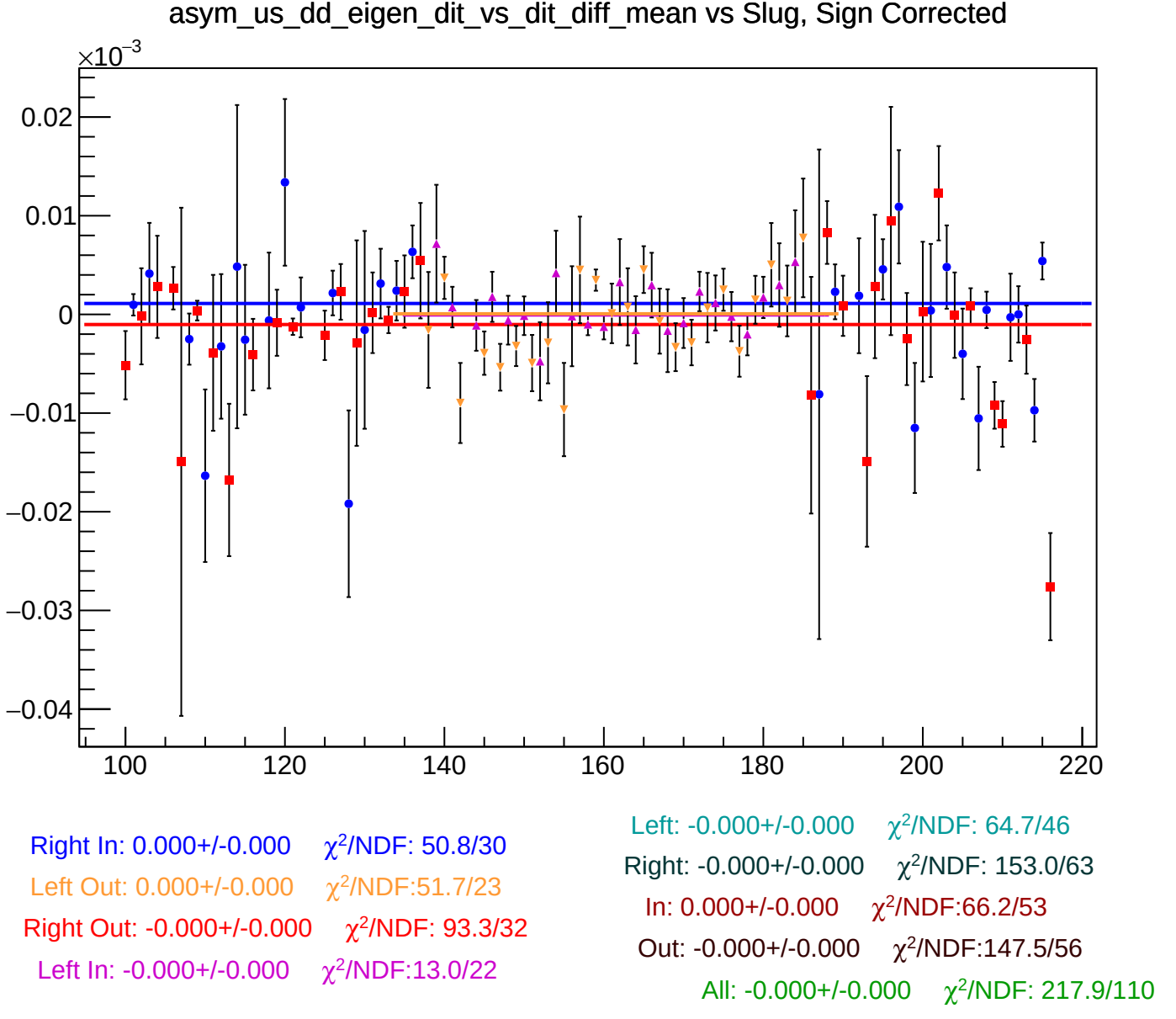
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

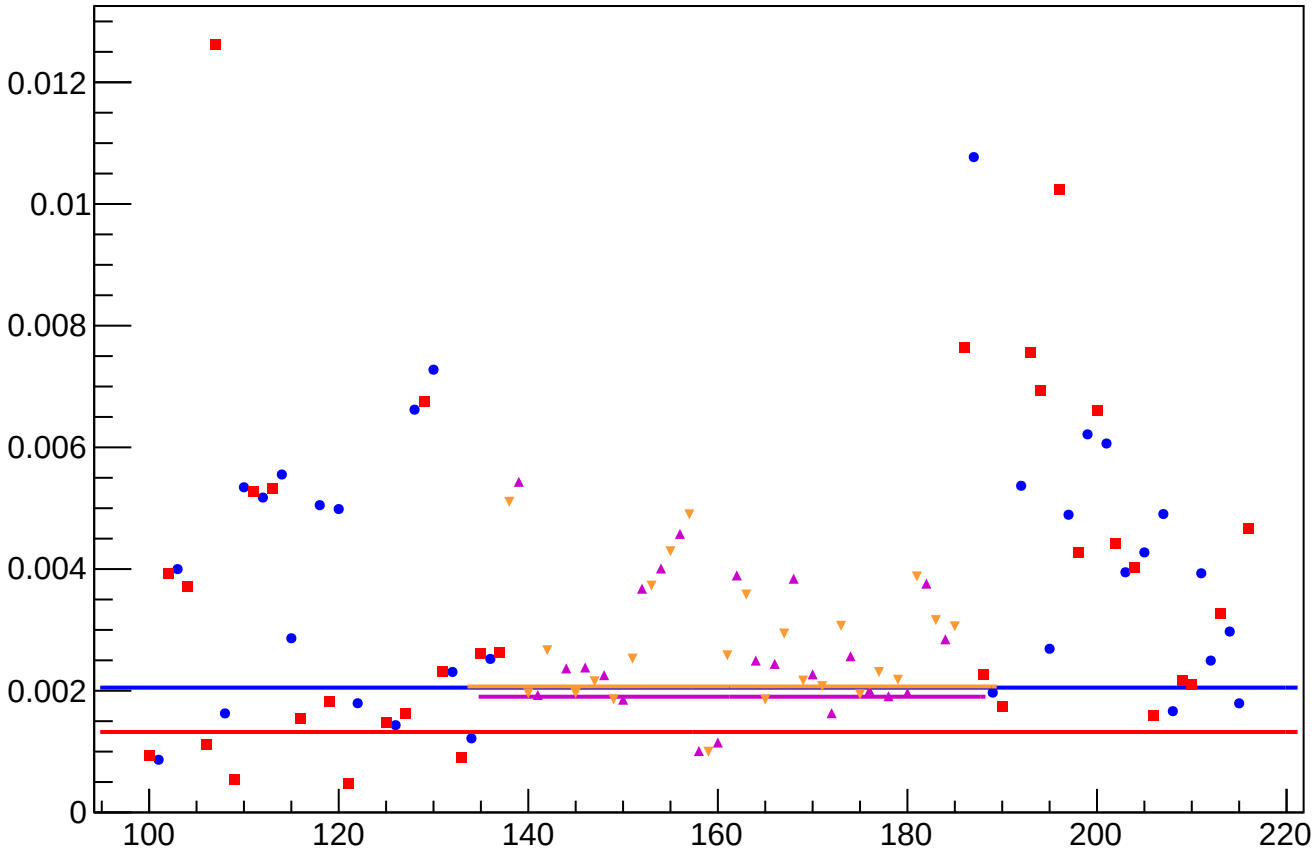
Right: 41.179+/-0.005 χ^2/NDF: 1562959.2/63

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

Out: 41.732+/-0.005 χ^2/NDF:2860737.7/56

All: 41.599+/-0.004 χ^2/NDF: 4838692.3/110


asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 50.8/30
Left Out: 0.000+/-0.000 χ²/NDF:51.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 93.3/32
Left In: -0.000+/-0.000 χ²/NDF:13.0/22
Left: -0.000+/-0.000 χ²/NDF: 64.7/46
Right: -0.000+/-0.000 χ²/NDF: 153.0/63
In: 0.000+/-0.000 χ²/NDF:66.2/53
Out: -0.000+/-0.000 χ²/NDF:147.5/56
All: -0.000+/-0.000 χ²/NDF: 217.9/110



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: 16715258.7/32

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

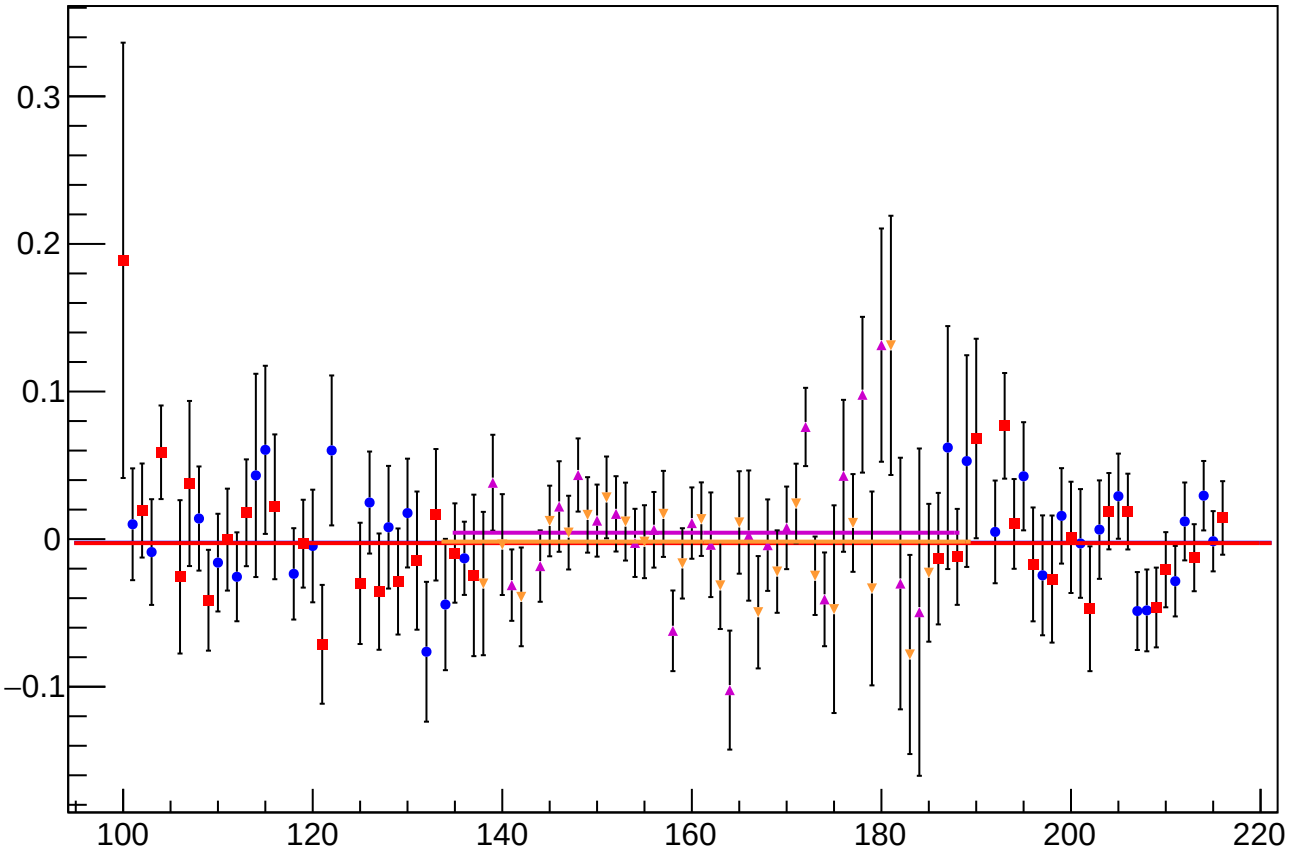
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.002+/-0.000 χ^2/NDF: 29446511.9/63

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

Out: 0.002+/-0.000 χ^2/NDF:24384779.0/56

All: 0.002+/-0.000 χ^2/NDF: 41963484.3/110



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: -0.003+/-0.006 χ^2/NDF: 26.6/32

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

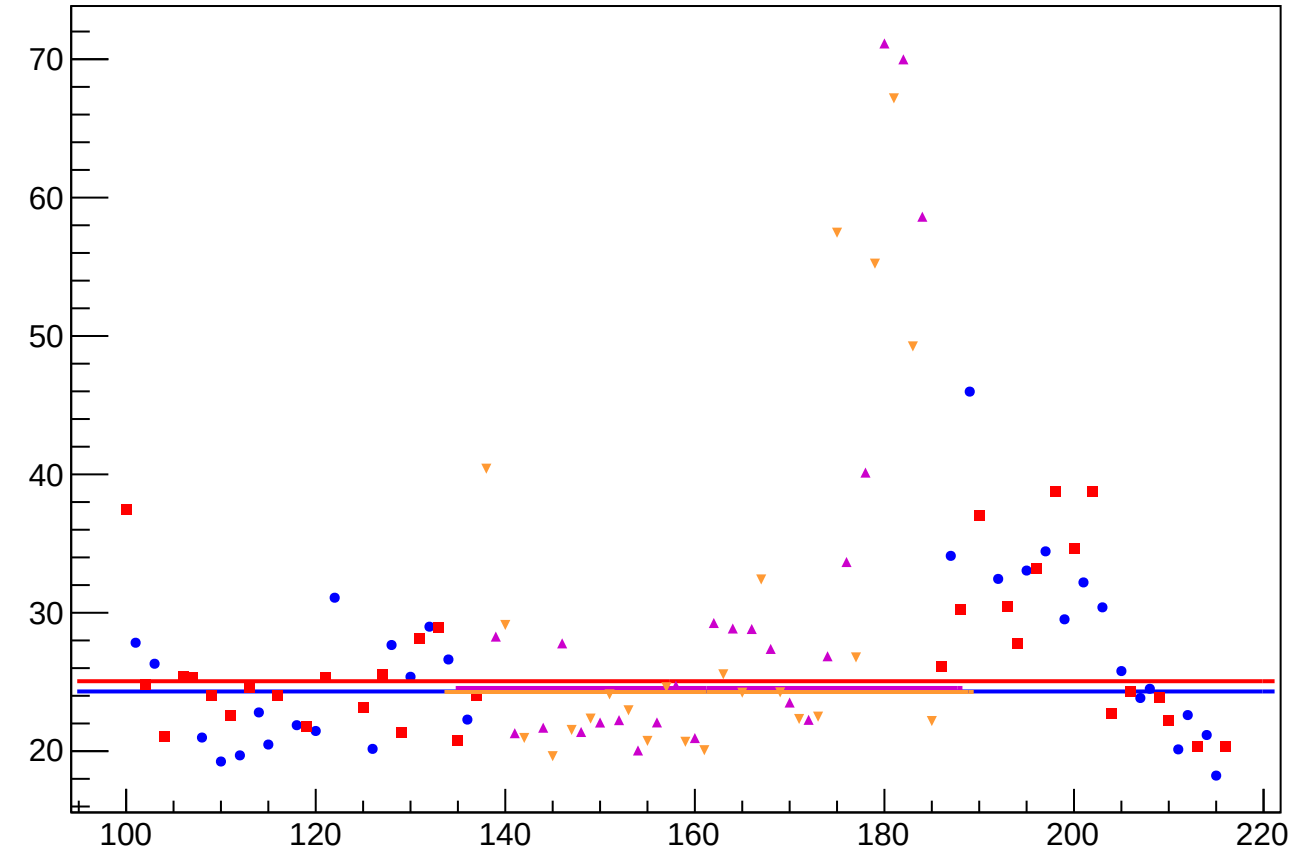
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.004 χ^2/NDF: 49.6/63

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.002+/-0.004 χ^2/NDF:41.2/56

All: -0.001+/-0.003 χ^2/NDF: 101.6/110



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: 25.054+/-0.004 χ^2/NDF: 1178755.3/32

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

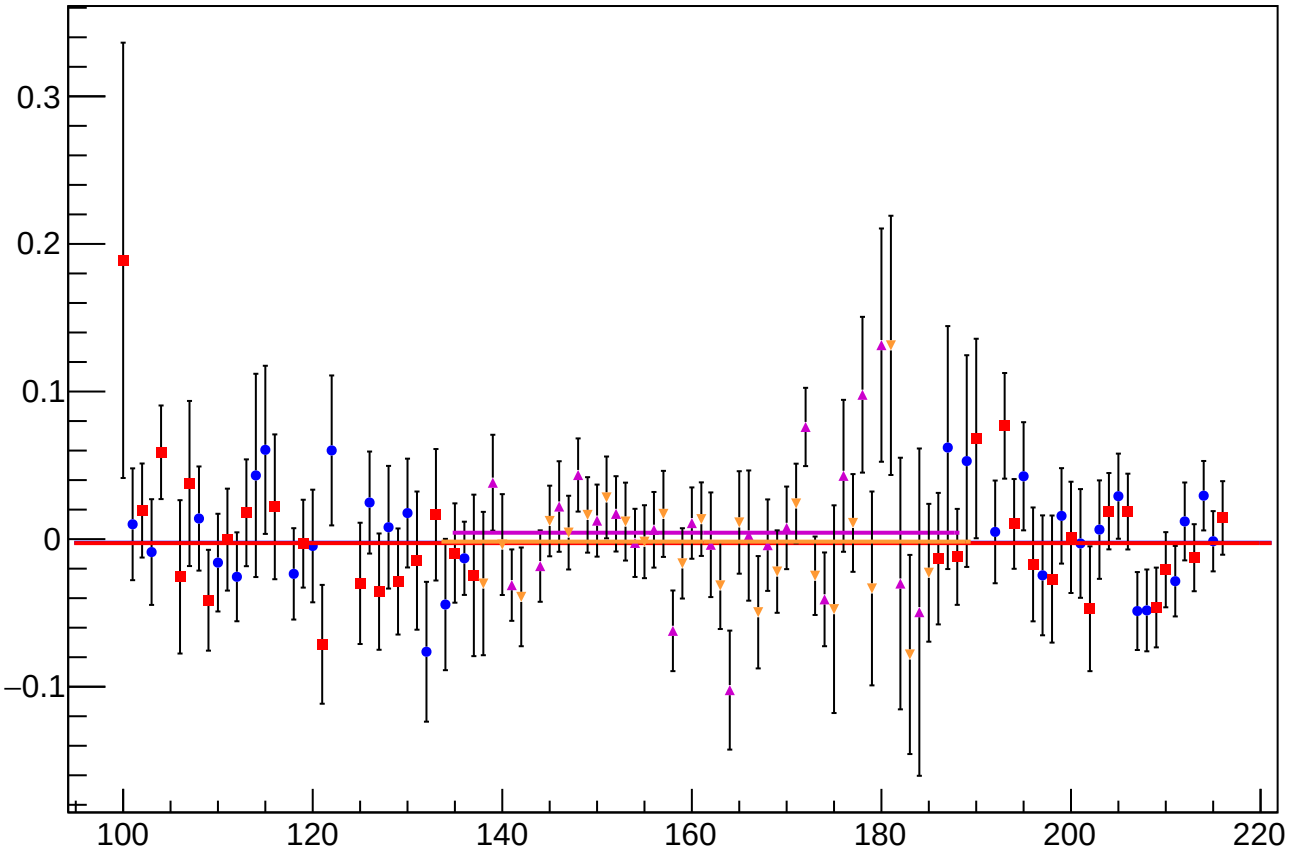
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 24.676+/-0.003 χ^2/NDF: 2537089.8/63

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

Out: 24.680+/-0.003 χ^2/NDF:3505158.5/56

All: 24.555+/-0.002 χ^2/NDF: 6986091.6/110



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: -0.003+/-0.006 χ^2/NDF: 26.6/32

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

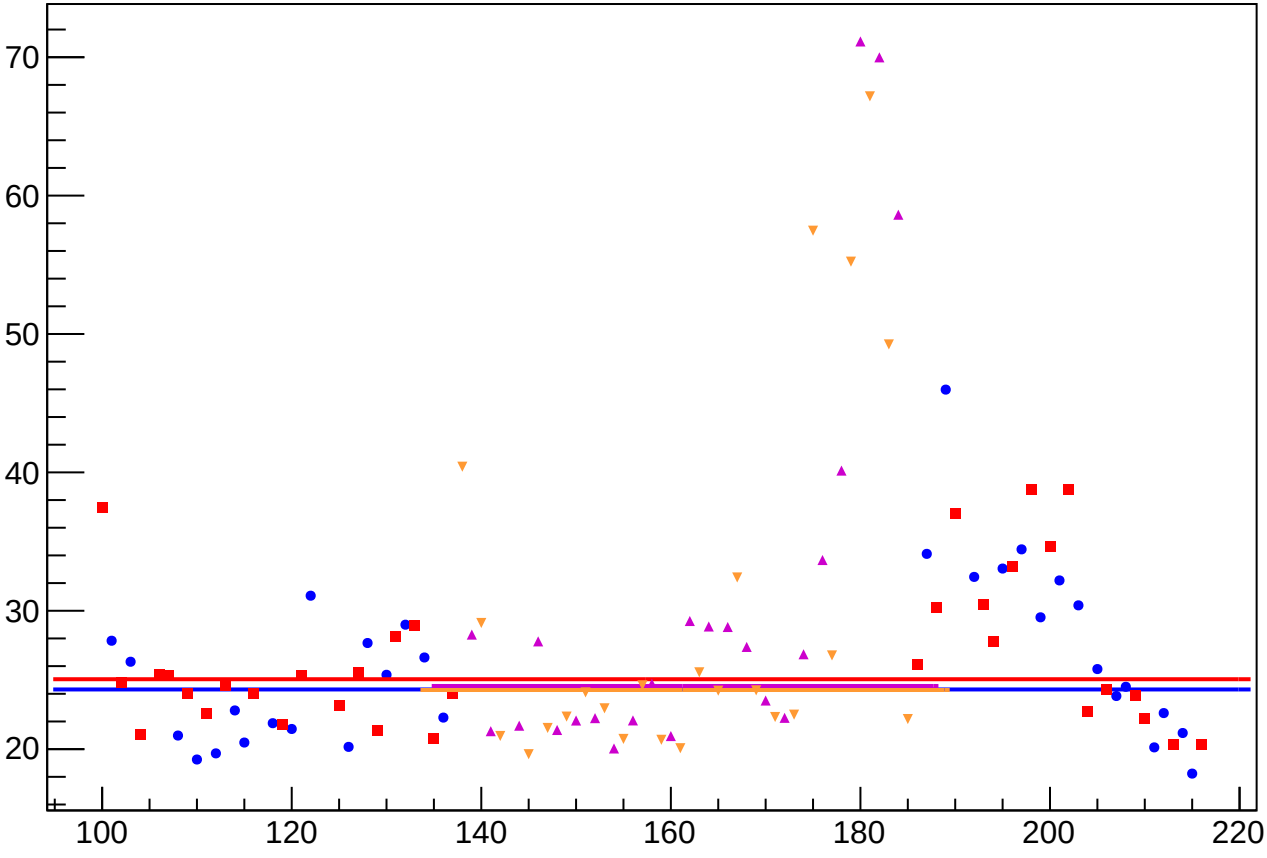
Right: -0.003+/-0.004 χ^2/NDF: 49.6/63

In: 0.001+/-0.004 χ^2/NDF:60.1/53

Out: -0.002+/-0.004 χ^2/NDF:41.2/56

All: -0.001+/-0.003 χ^2/NDF: 101.6/110

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: 25.054+/-0.004 χ^2/NDF: 1178755.3/32

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

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

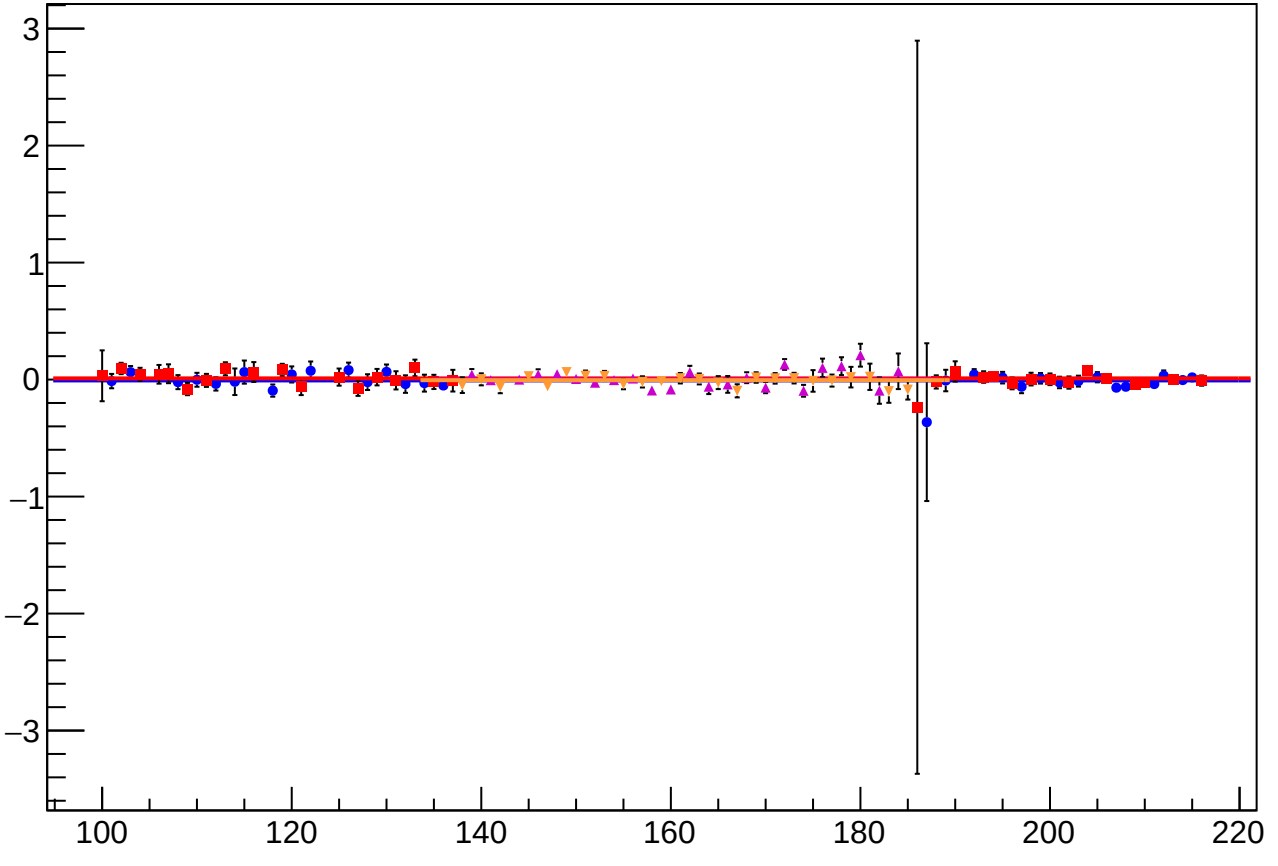
Right: 24.676+/-0.003 χ^2/NDF: 2537089.8/63

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

Out: 24.680+/-0.003 χ^2/NDF:3505158.5/56

All: 24.555+/-0.002 χ^2/NDF: 6986091.6/110

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: 0.010+/-0.010 χ^2/NDF: 23.2/32

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

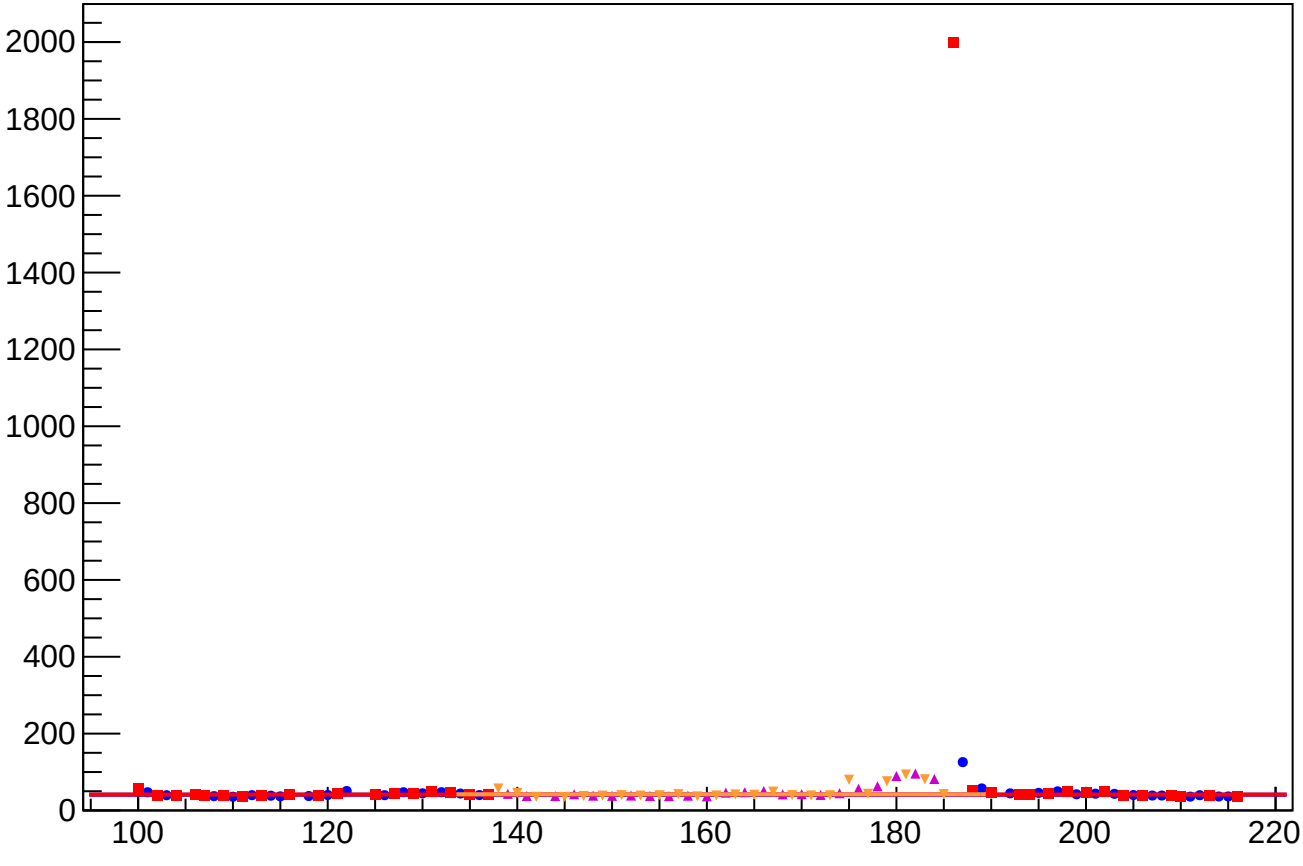
Right: 0.001+/-0.007 χ^2/NDF: 45.4/63

In: -0.004+/-0.007 χ^2/NDF:58.8/53

Out: 0.003+/-0.007 χ^2/NDF:38.2/56

All: -0.000+/-0.005 χ^2/NDF: 97.5/110

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: 41.417+/-0.007 χ^2/NDF: 1140259.7/32

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

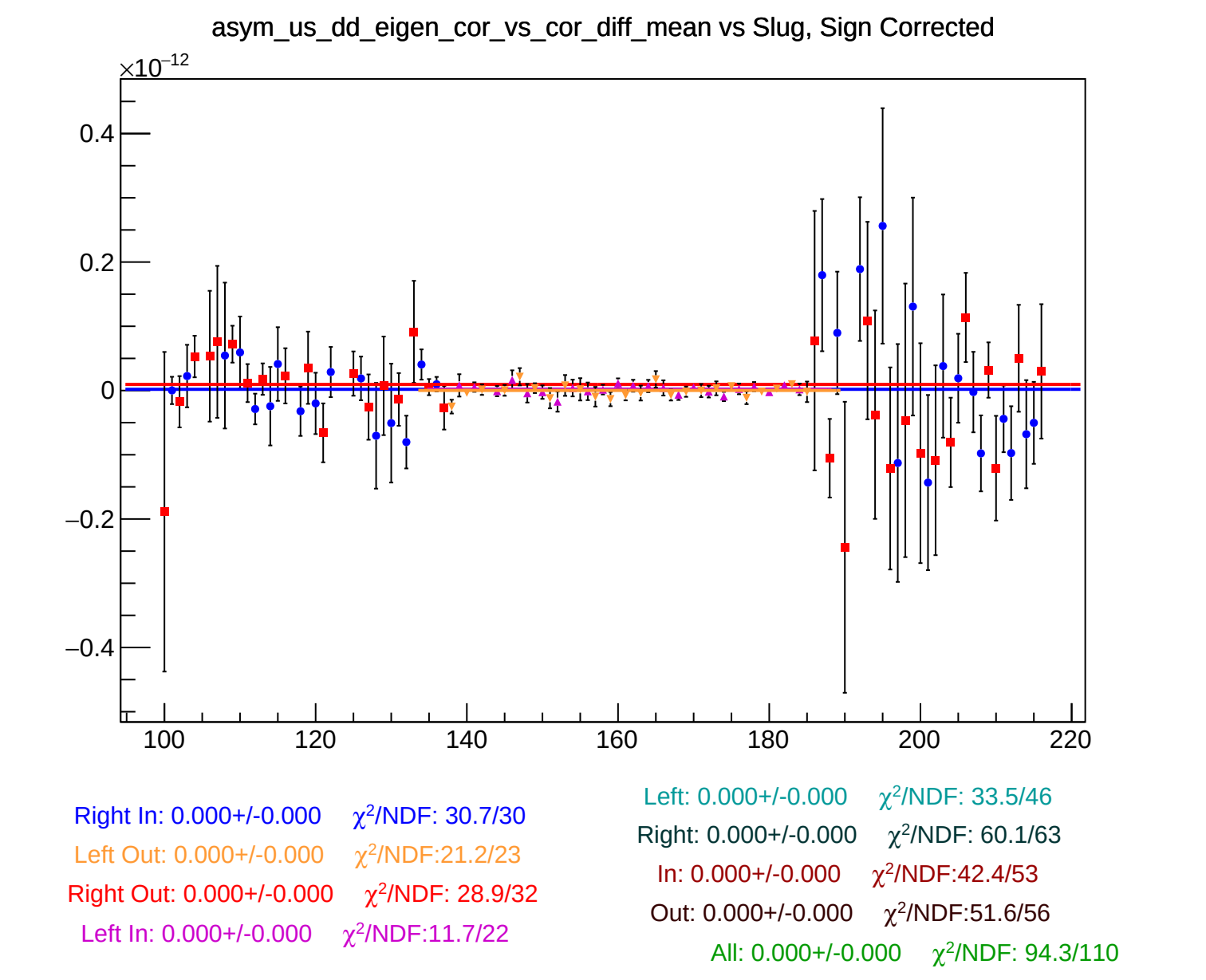
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

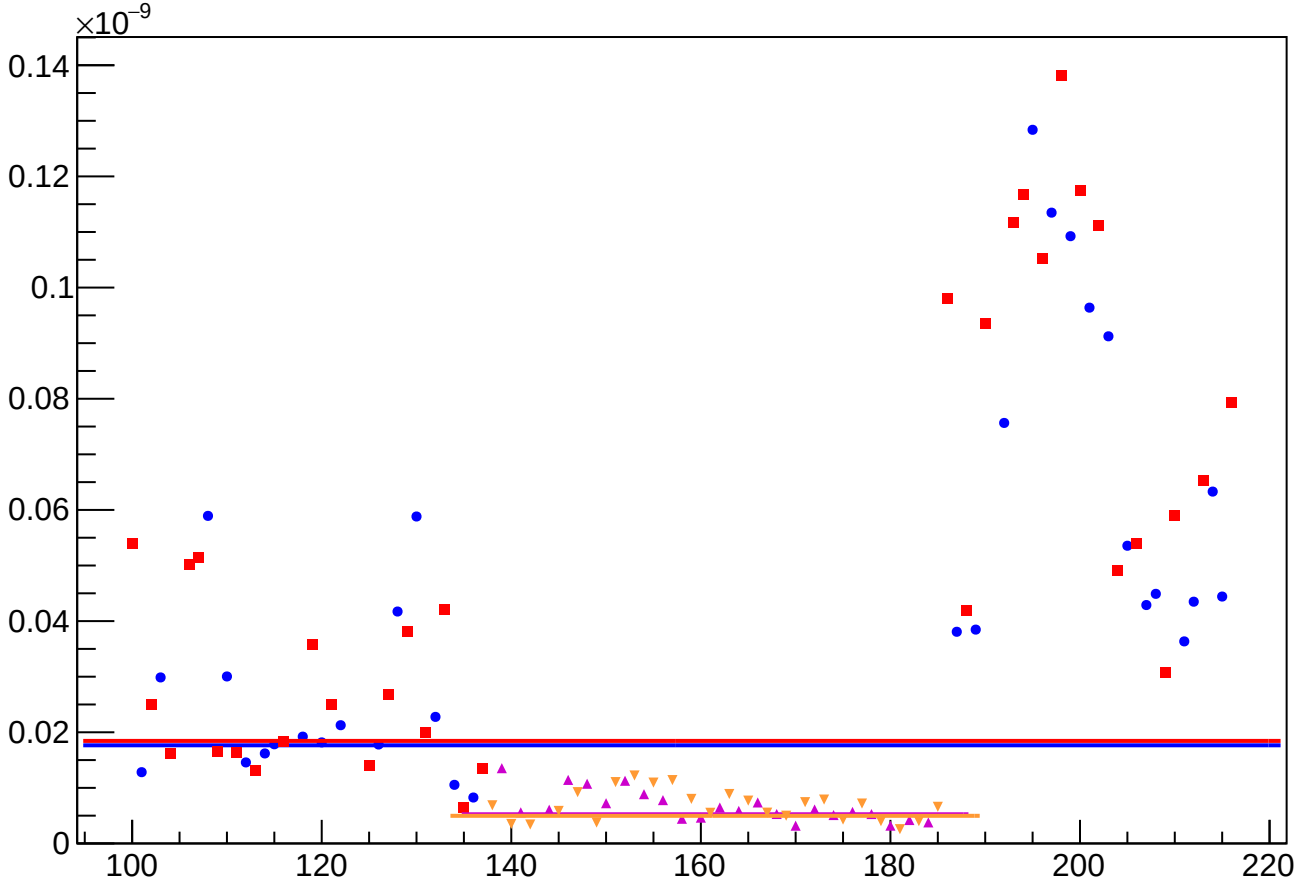
Right: 41.179+/-0.005 χ^2/NDF: 1562898.9/63

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

Out: 41.732+/-0.005 χ^2/NDF:2860723.8/56

All: 41.599+/-0.004 χ^2/NDF: 4838601.2/110


asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 30.7/30
Left Out: 0.000+/-0.000 χ²/NDF:21.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 28.9/32
Left In: 0.000+/-0.000 χ²/NDF:11.7/22
Left: 0.000+/-0.000 χ²/NDF: 33.5/46
Right: 0.000+/-0.000 χ²/NDF: 60.1/63
In: 0.000+/-0.000 χ²/NDF:42.4/53
Out: 0.000+/-0.000 χ²/NDF:51.6/56
All: 0.000+/-0.000 χ²/NDF: 94.3/110



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: 10930348.3/32

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

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

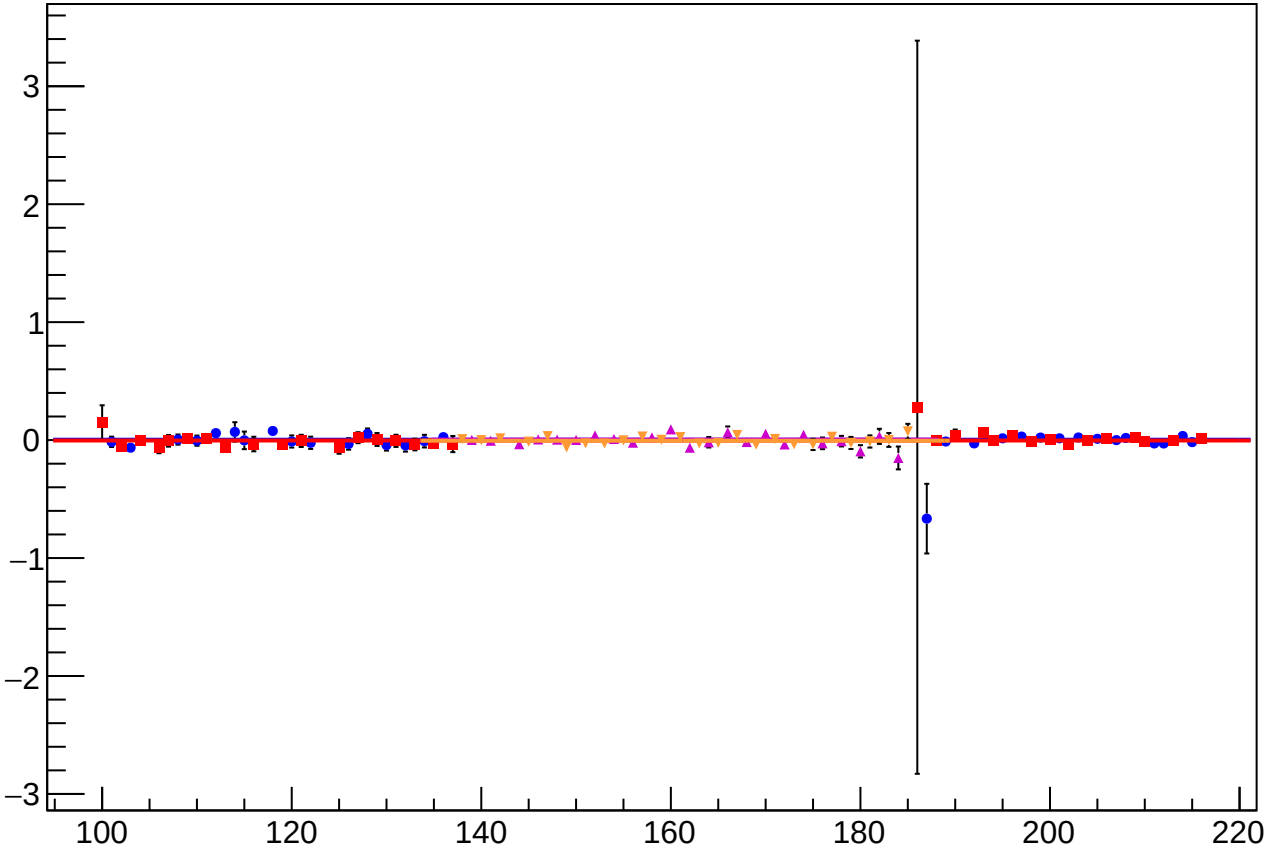
Right: 0.000+/-0.000 χ^2/NDF: 20548350.9/63

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

Out: 0.000+/-0.000 χ^2/NDF:20808399.3/56

All: 0.000+/-0.000 χ^2/NDF: 39035556.0/110

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: -0.003+/-0.006 χ^2/NDF: 23.9/32

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

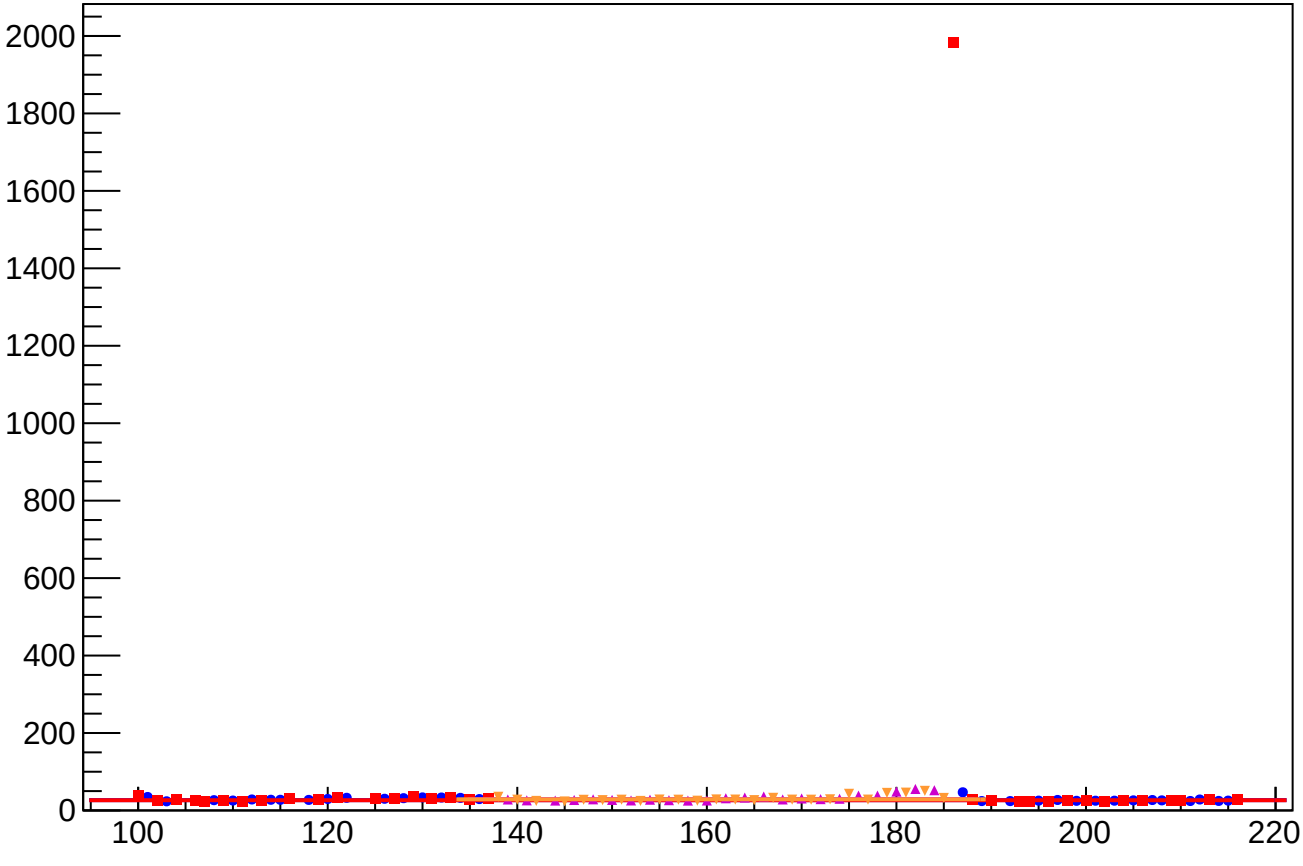
Right: -0.000+/-0.004 χ^2/NDF: 53.0/63

In: 0.003+/-0.005 χ^2/NDF:59.8/53

Out: -0.004+/-0.005 χ^2/NDF:40.7/56

All: -0.000+/-0.003 χ^2/NDF: 101.8/110

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: 26.436+/-0.004 χ^2/NDF: 1118175.7/32

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

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

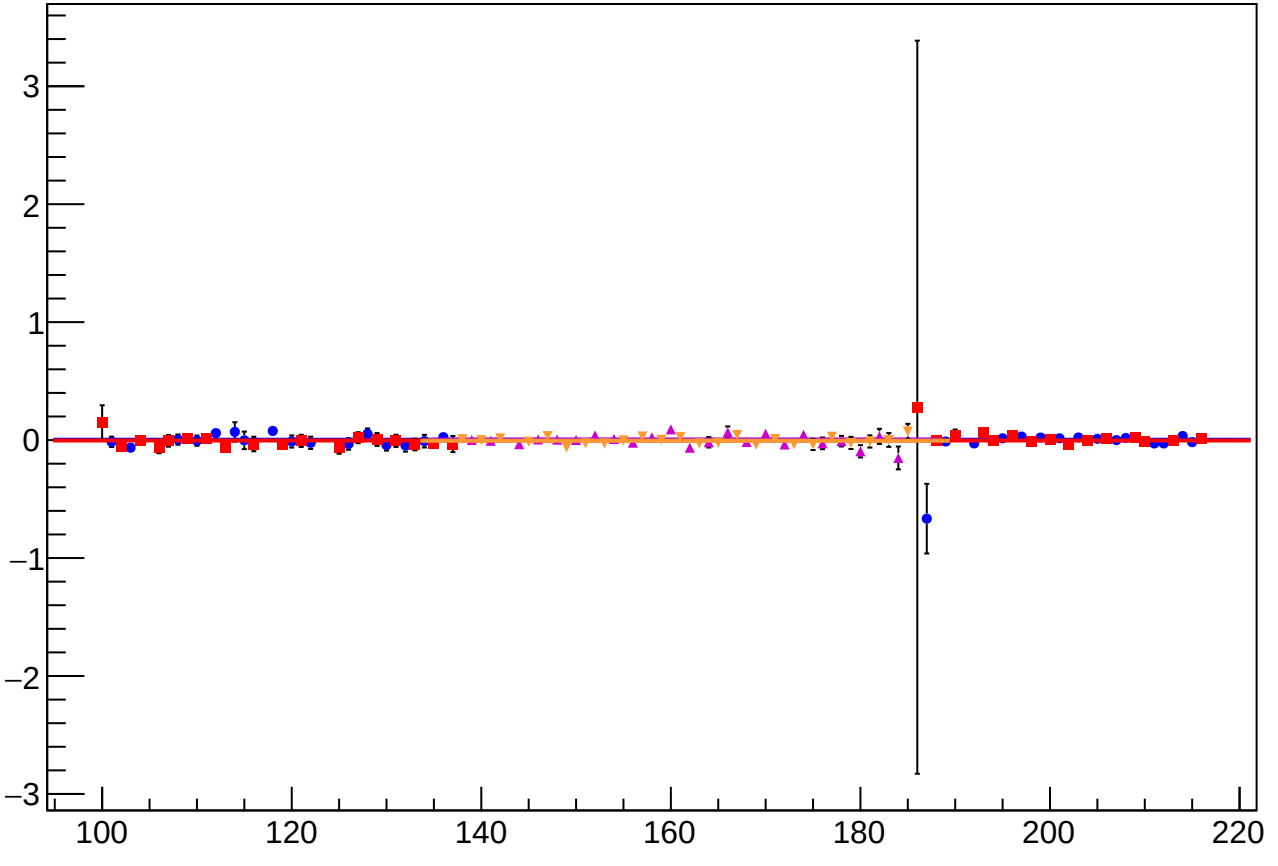
Right: 26.565+/-0.003 χ^2/NDF: 1487414.0/63

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

Out: 27.484+/-0.003 χ^2/NDF:2410881.7/56

All: 27.651+/-0.002 χ^2/NDF: 4066333.4/110

asym_us_dd_overload_cor_vs_eigen_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: -0.003+/-0.006 χ^2/NDF: 23.9/32

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

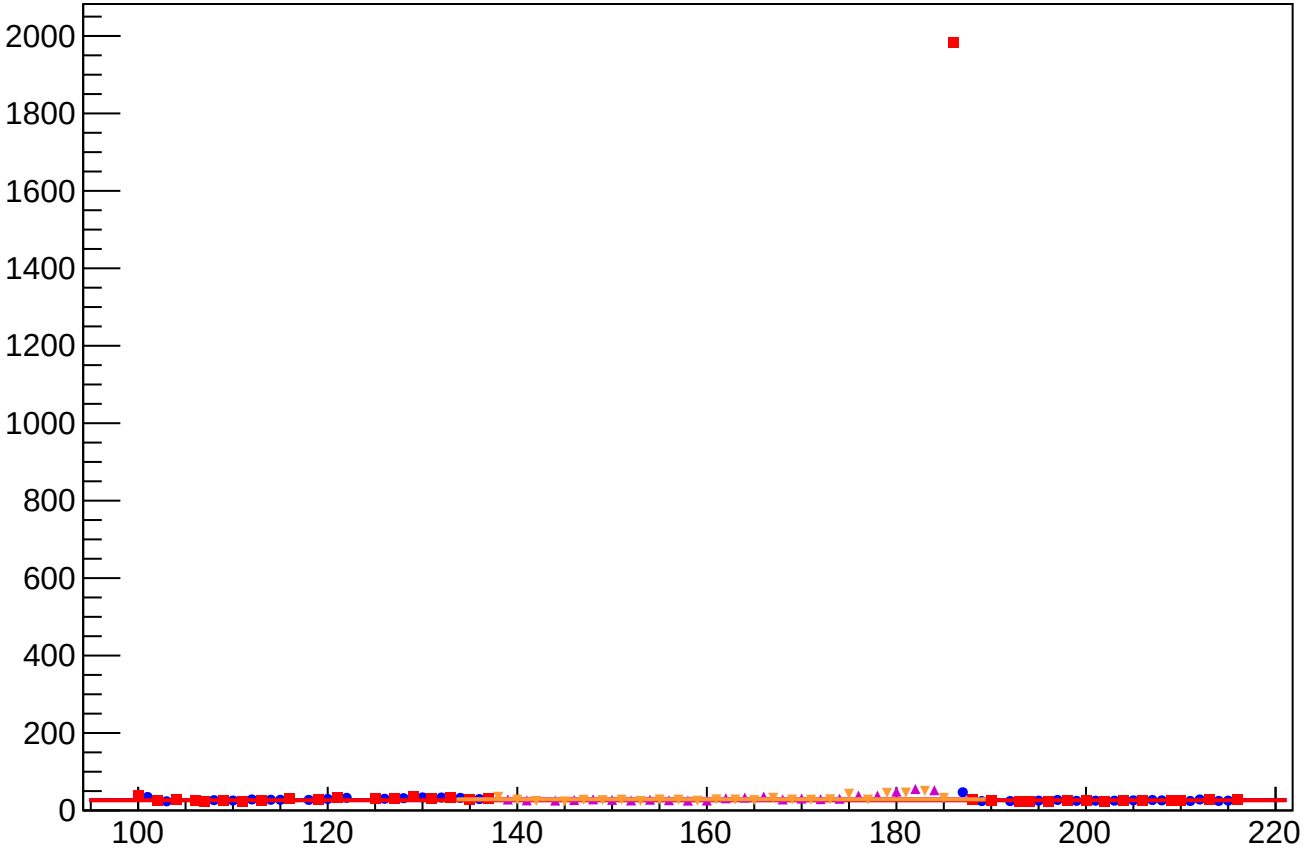
Right: -0.000+/-0.004 χ^2/NDF: 53.0/63

In: 0.003+/-0.005 χ^2/NDF:59.8/53

Out: -0.004+/-0.005 χ^2/NDF:40.7/56

All: -0.000+/-0.003 χ^2/NDF: 101.8/110

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: 26.436+/-0.004 χ^2/NDF: 1118175.7/32

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

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

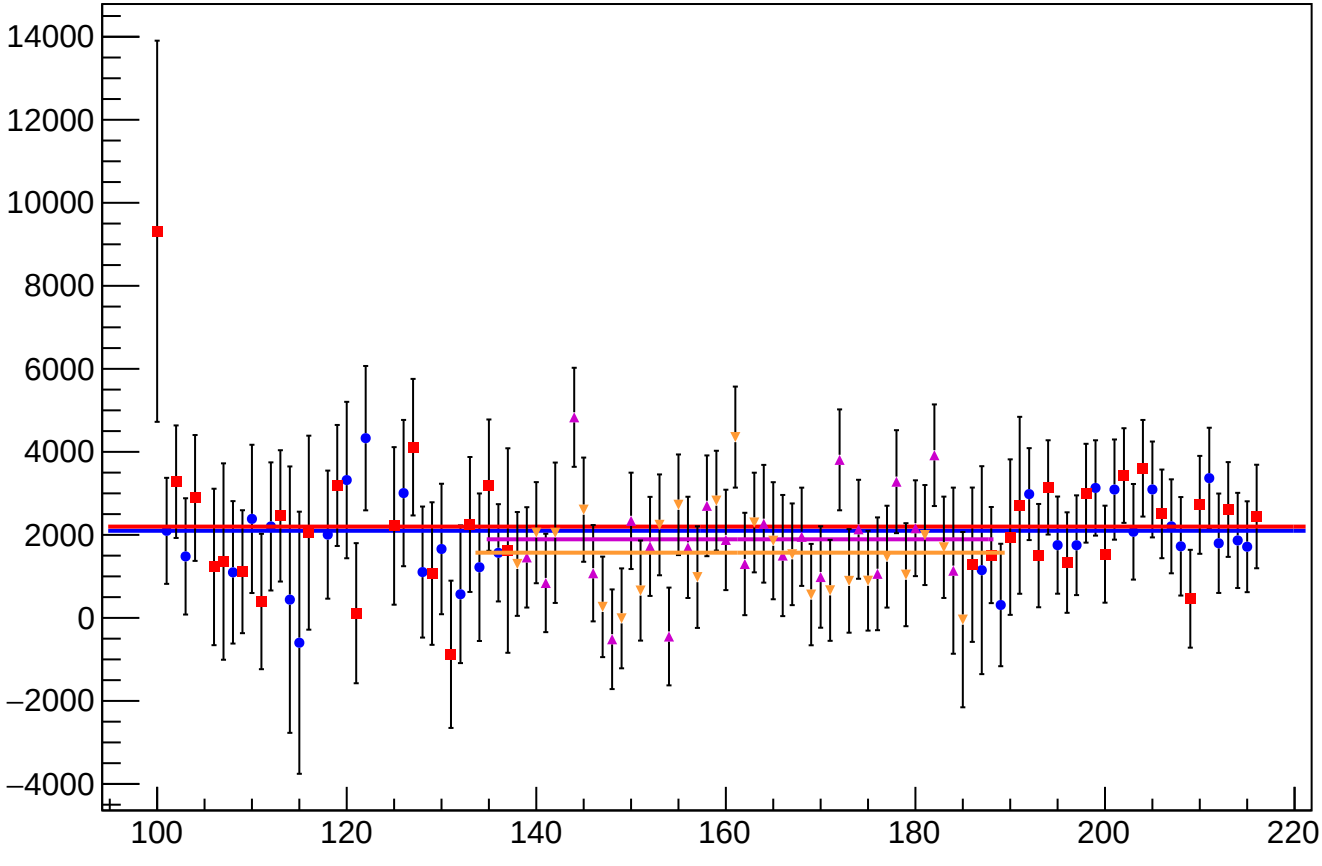
Right: 26.565+/-0.003 χ^2/NDF: 1487414.0/63

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

Out: 27.484+/-0.003 χ^2/NDF:2410881.7/56

All: 27.651+/-0.002 χ^2/NDF: 4066333.4/110

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: 2199.330+/-247.794 χ^2/NDF: 20.9/33

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

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

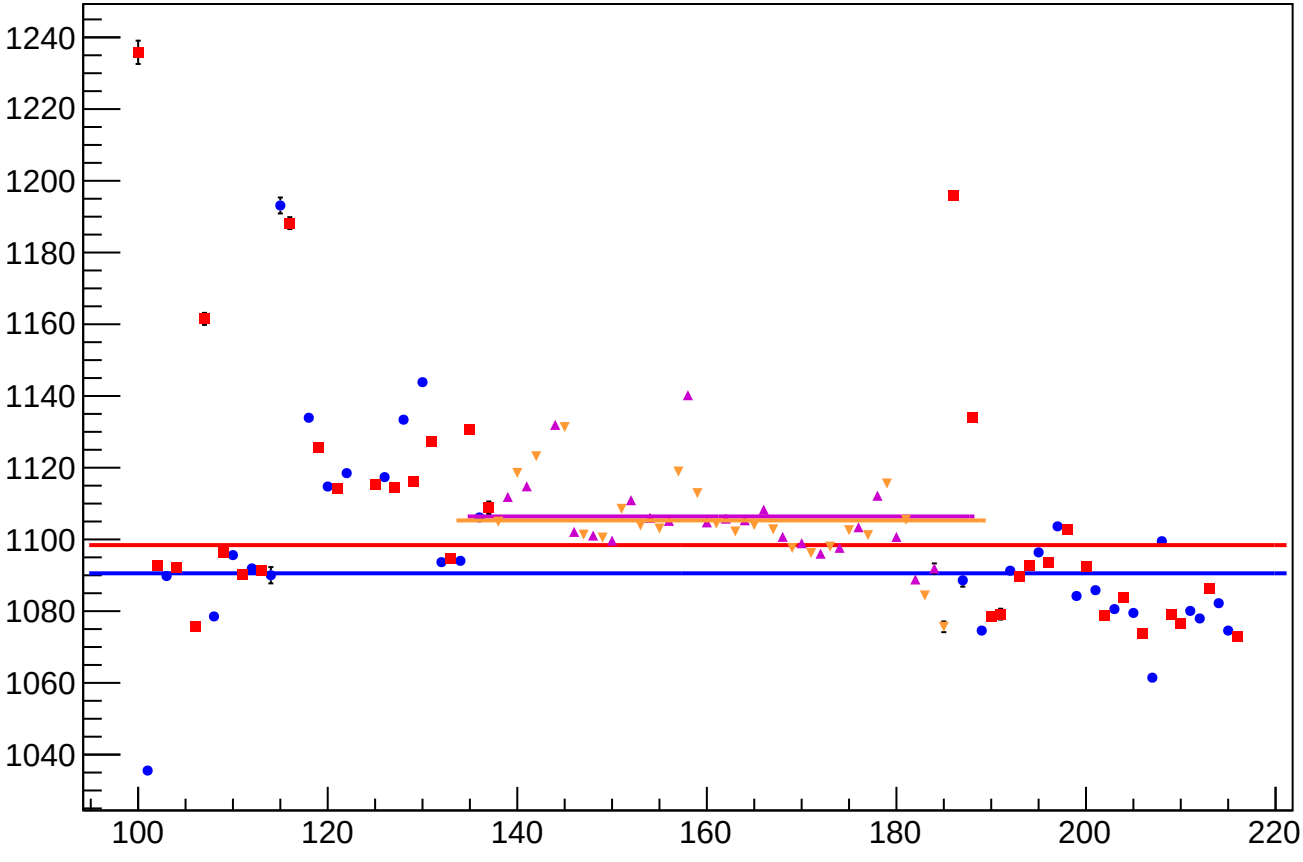
Right: 2149.233+/-175.366 χ^2/NDF: 32.7/64

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

Out: 1896.080+/-178.227 χ^2/NDF:39.4/57

All: 1947.949+/-126.294 χ^2/NDF: 75.7/111

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: 1098.419+/-0.175 χ^2/NDF: 21782.6/33

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

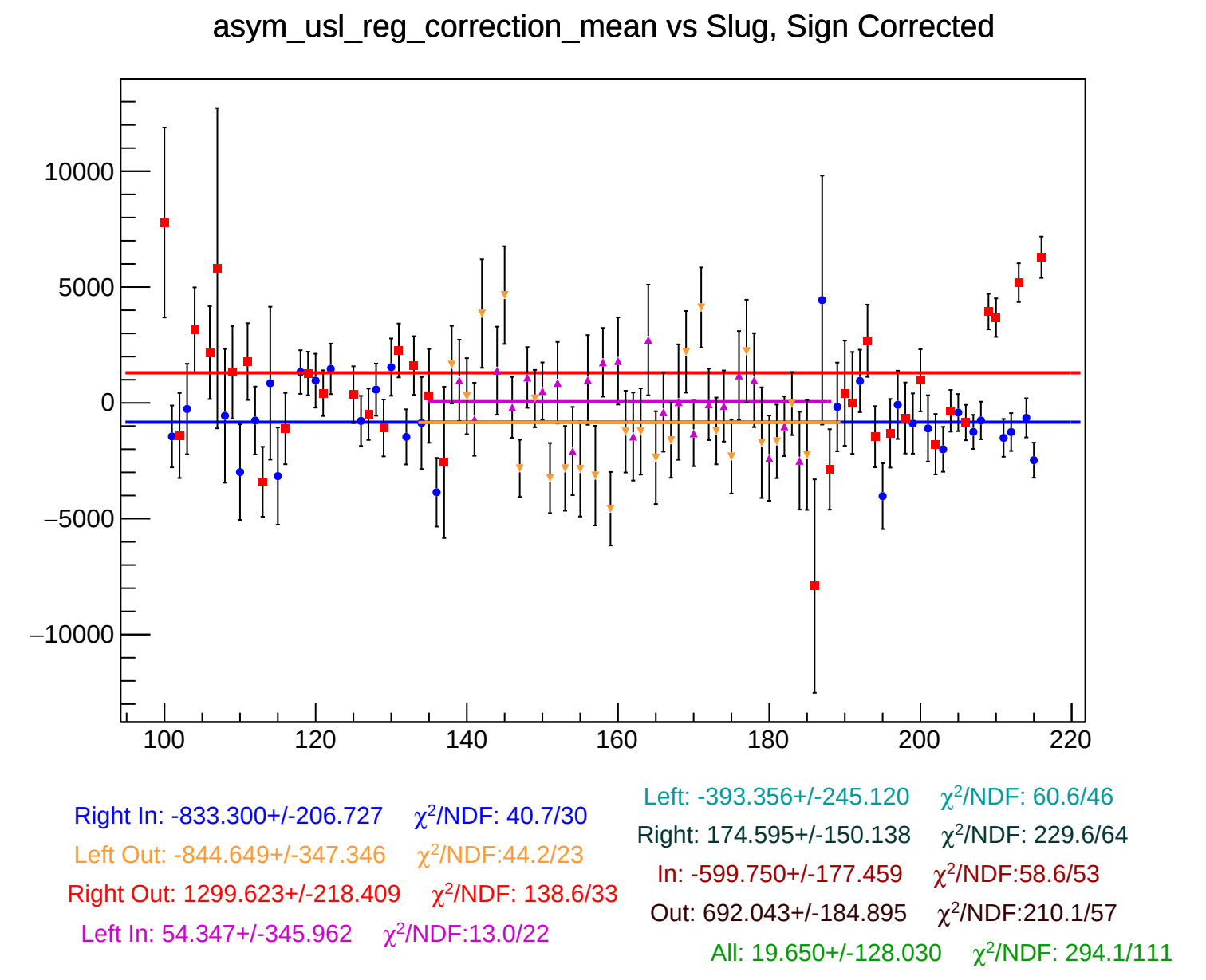
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.493+/-0.124 χ^2/NDF: 39041.6/64

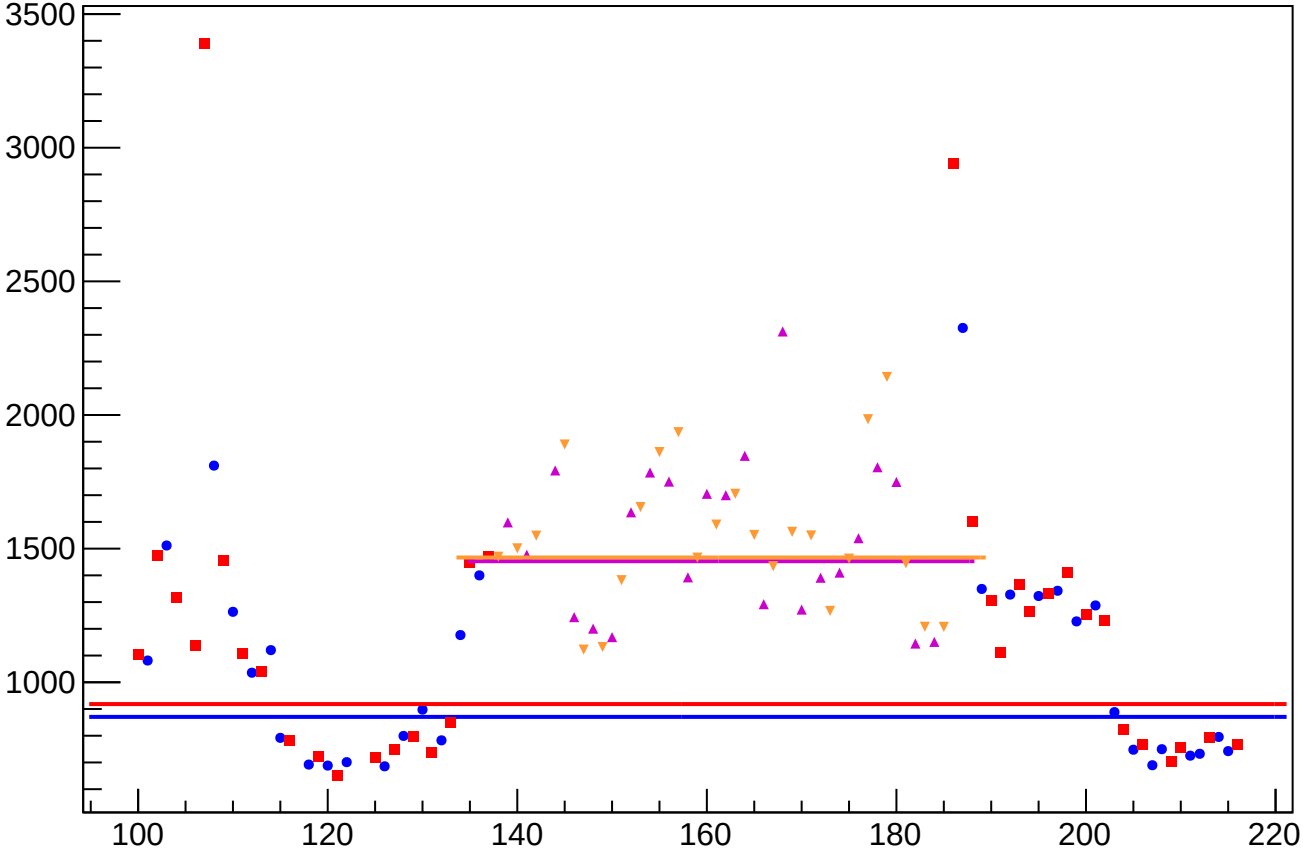
In: 1098.163+/-0.127 χ^2/NDF:23944.8/53

Out: 1101.738+/-0.126 χ^2/NDF:25687.4/57

All: 1099.958+/-0.089 χ^2/NDF: 50032.8/111


asym_usl_reg_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -833.300+/-206.727 χ²/NDF: 40.7/30
Left Out: -844.649+/-347.346 χ²/NDF:44.2/23
Right Out: 1299.623+/-218.409 χ²/NDF: 138.6/33
Left In: 54.347+/-345.962 χ²/NDF:13.0/22
Left: -393.356+/-245.120 χ²/NDF: 60.6/46
Right: 174.595+/-150.138 χ²/NDF: 229.6/64
In: -599.750+/-177.459 χ²/NDF:58.6/53
Out: 692.043+/-184.895 χ²/NDF:210.1/57
All: 19.650+/-128.030 χ²/NDF: 294.1/111

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: 918.435+/-0.154 χ^2/NDF: 3470325.4/33

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

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

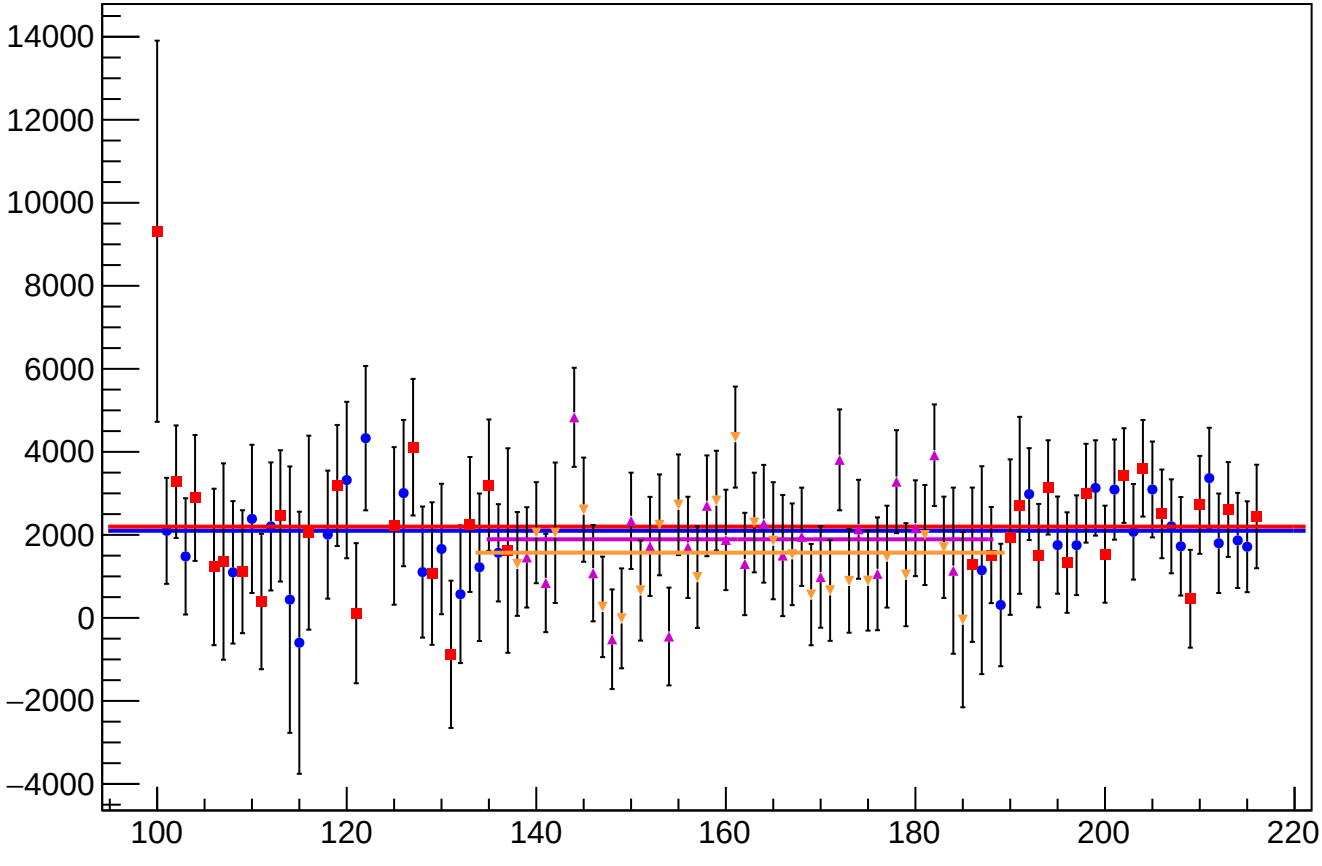
Right: 893.151+/-0.106 χ^2/NDF: 6295510.0/64

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

Out: 1073.827+/-0.131 χ^2/NDF:8086558.3/57

All: 1047.765+/-0.091 χ^2/NDF: 16244586.4/1

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: 2199.323+/-247.794 χ^2/NDF: 20.9/33

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

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

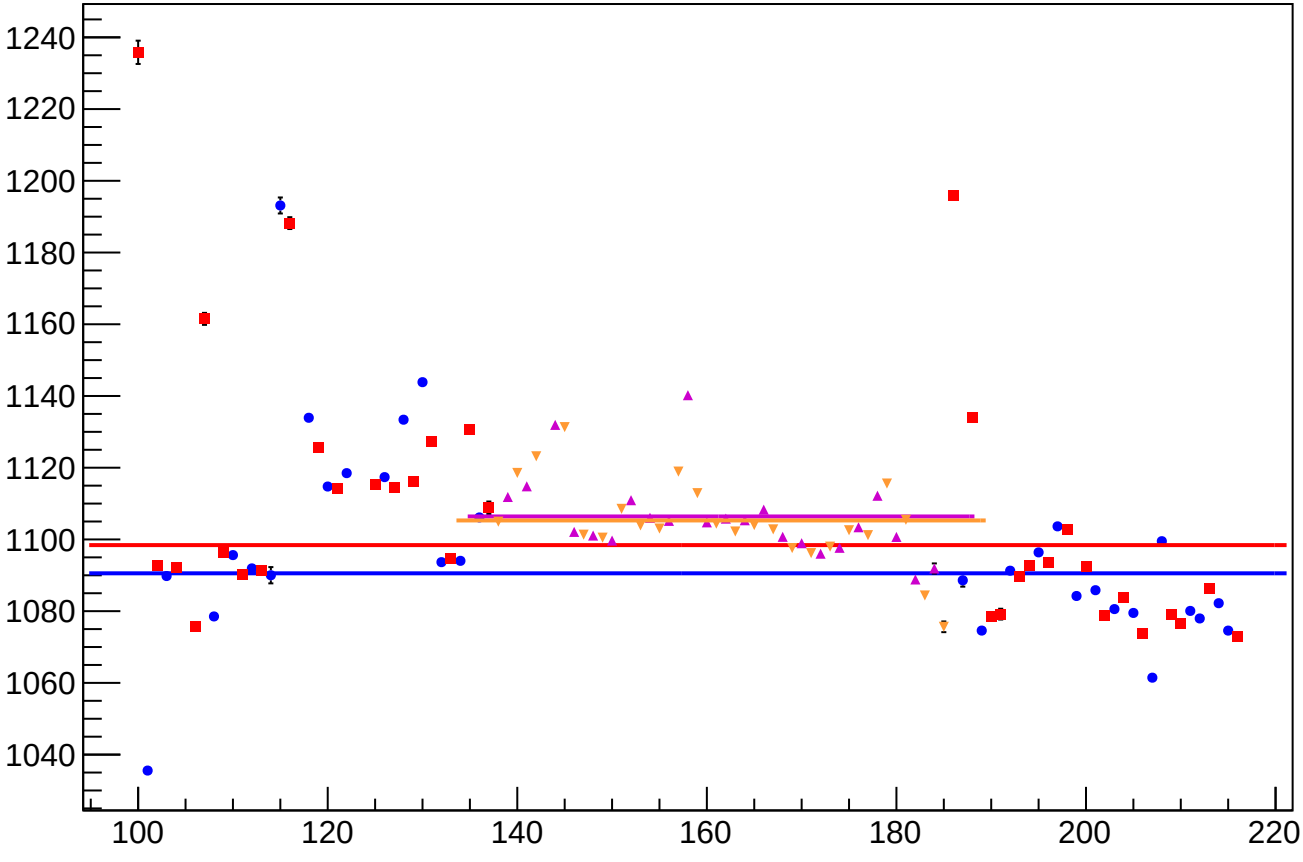
Right: 2149.229+/-175.366 χ^2/NDF: 32.7/64

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

Out: 1896.076+/-178.227 χ^2/NDF:39.4/57

All: 1947.948+/-126.294 χ^2/NDF: 75.7/111

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: 1098.419+/-0.175 χ^2/NDF: 21782.6/33

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

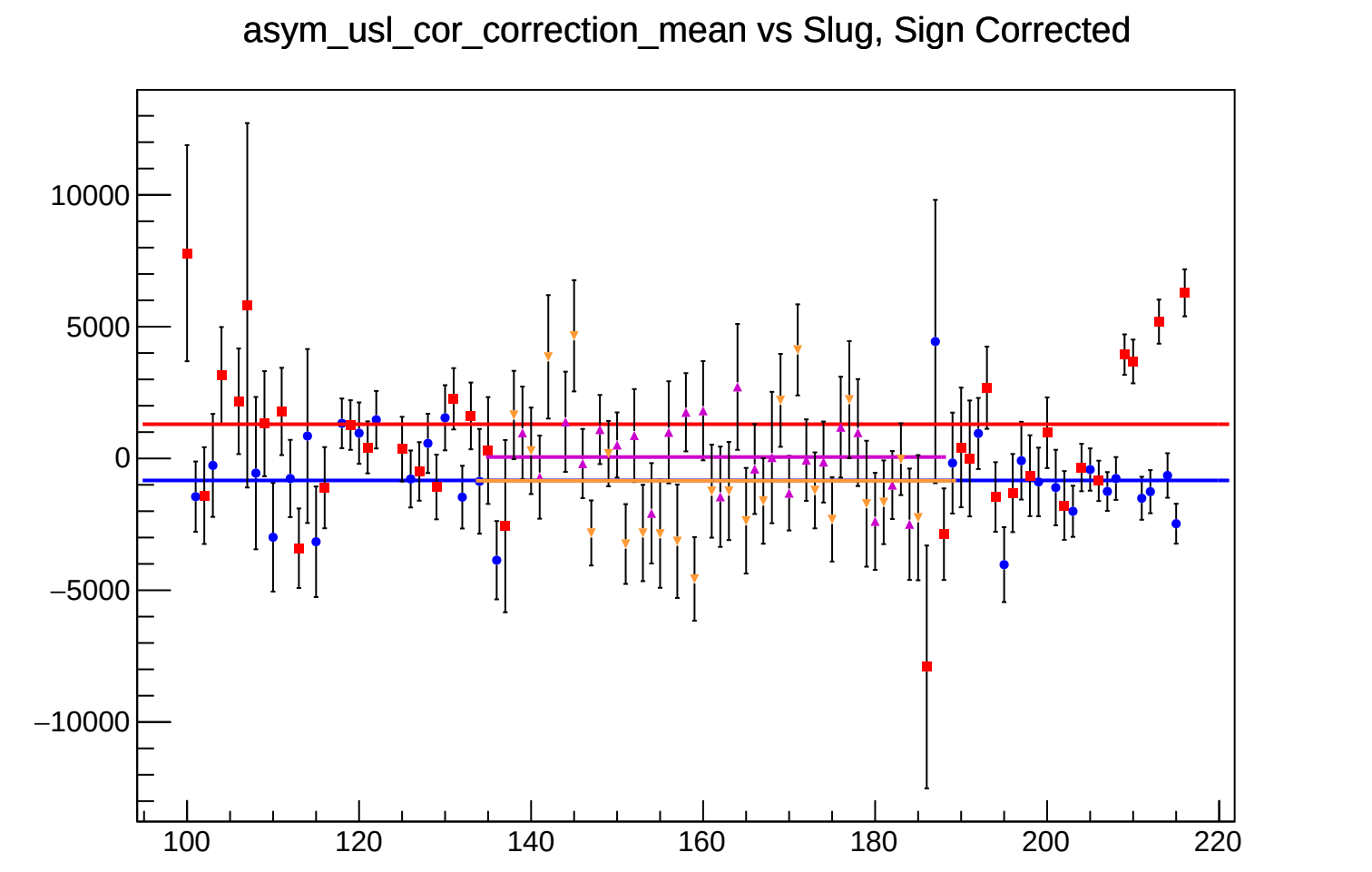
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.493+/-0.124 χ^2/NDF: 39041.6/64

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

Out: 1101.738+/-0.126 χ^2/NDF:25687.4/57

All: 1099.958+/-0.089 χ^2/NDF: 50032.8/111



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: 1299.622+/-218.409 χ^2/NDF: 138.6/33

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

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

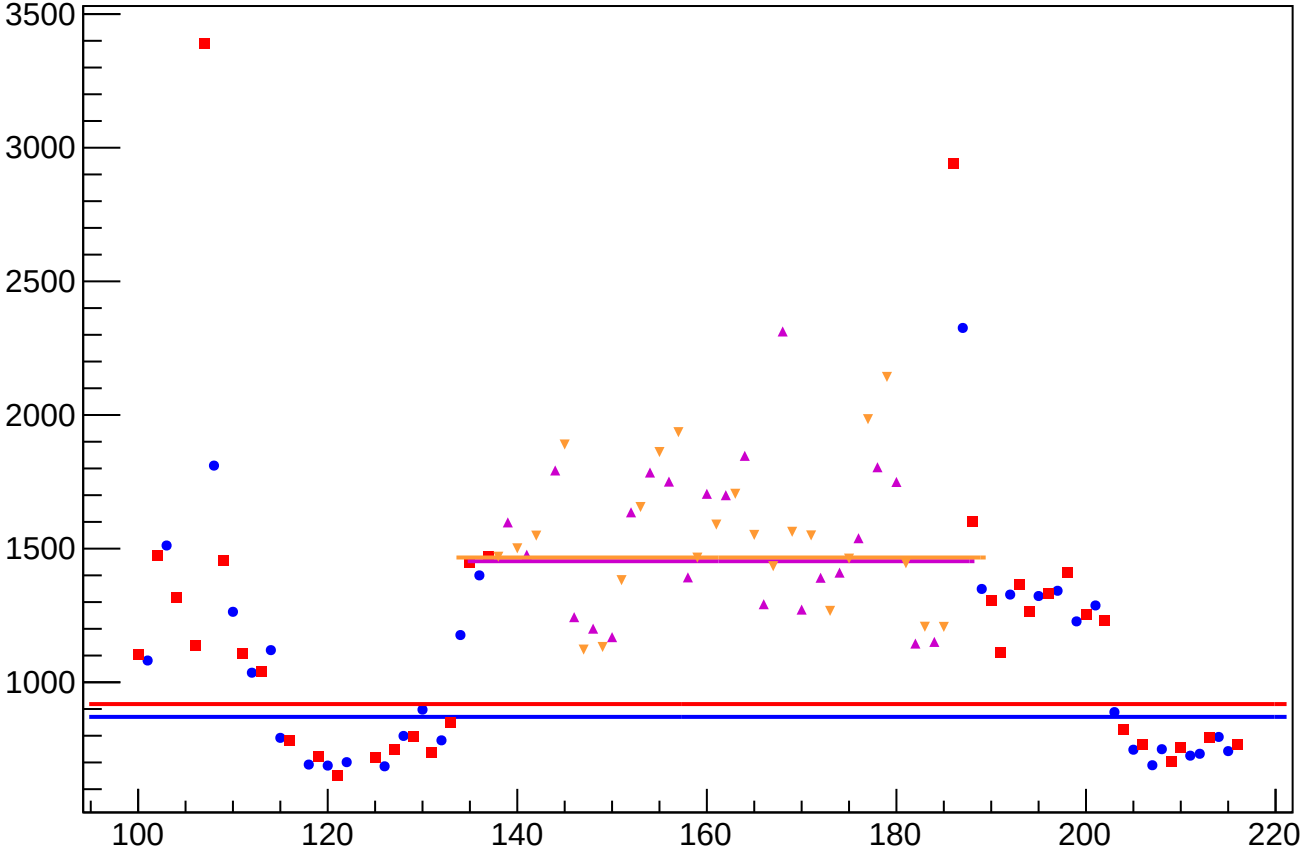
Right: 174.595+/-150.138 χ^2/NDF: 229.6/64

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

Out: 692.043+/-184.895 χ^2/NDF:210.1/57

All: 19.650+/-128.030 χ^2/NDF: 294.1/111

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: 918.434+/-0.154 χ^2/NDF: 3470323.7/33

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

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

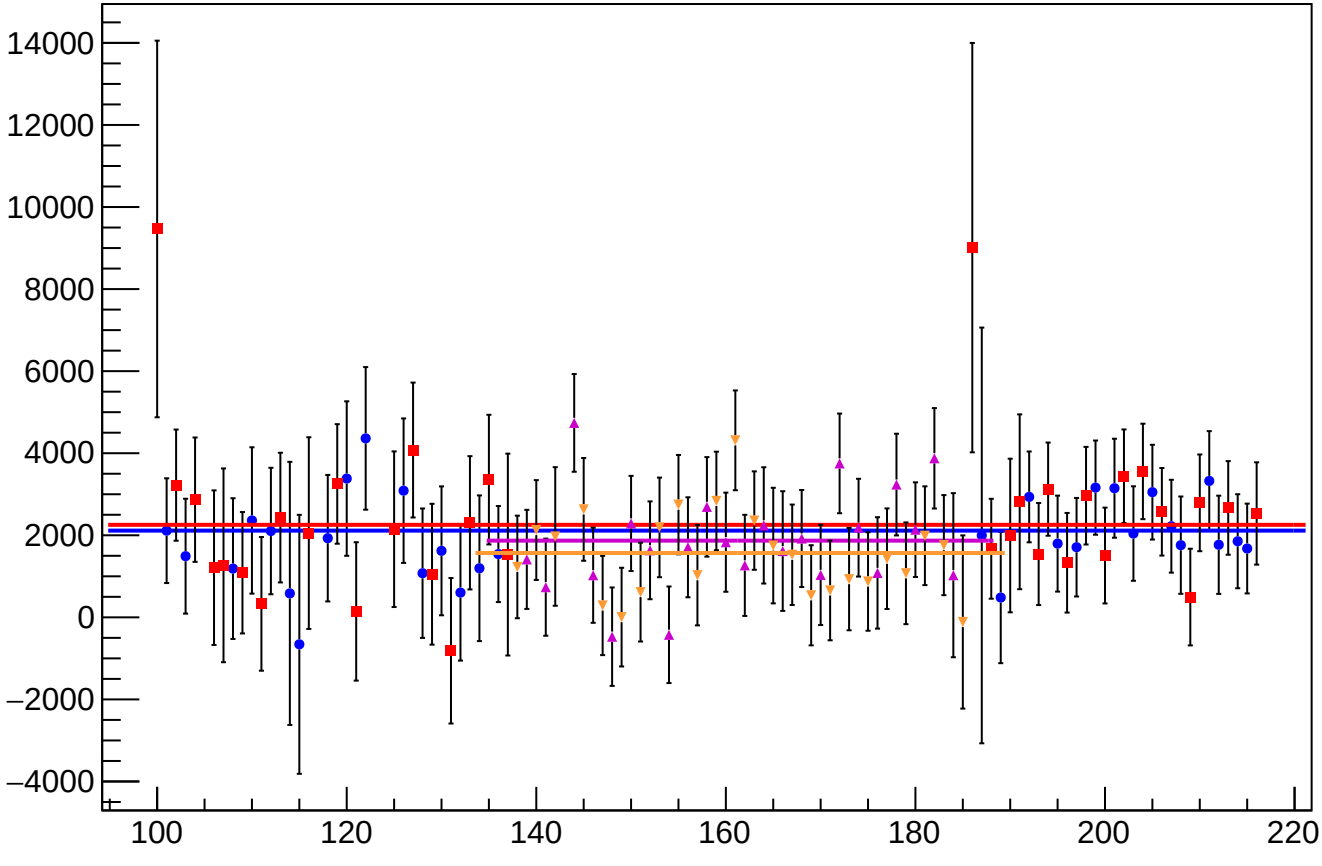
Right: 893.151+/-0.106 χ^2/NDF: 6295508.1/64

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

Out: 1073.827+/-0.131 χ^2/NDF:8086557.9/57

All: 1047.765+/-0.091 χ^2/NDF: 16244585.8/1

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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: 2254.802+/-250.138 χ^2/NDF: 22.5/33

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

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

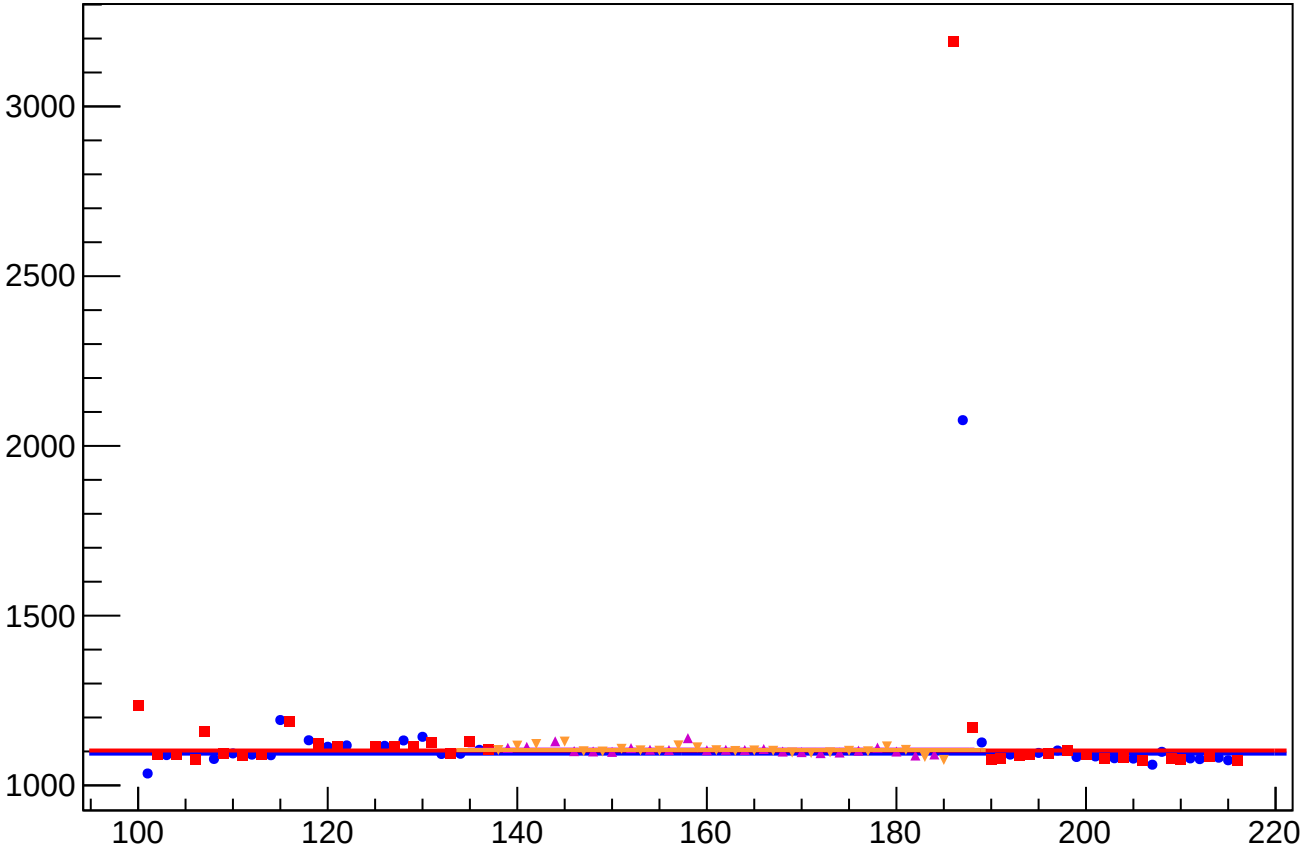
Right: 2184.080+/-176.652 χ^2/NDF: 33.8/64

In: 1995.660+/-179.391 χ^2/NDF:35.1/53

Out: 1920.132+/-179.011 χ^2/NDF:41.5/57

All: 1957.816+/-126.714 χ^2/NDF: 76.7/111

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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: 1102.728+/-0.177 χ^2/NDF: 372701.1/33

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

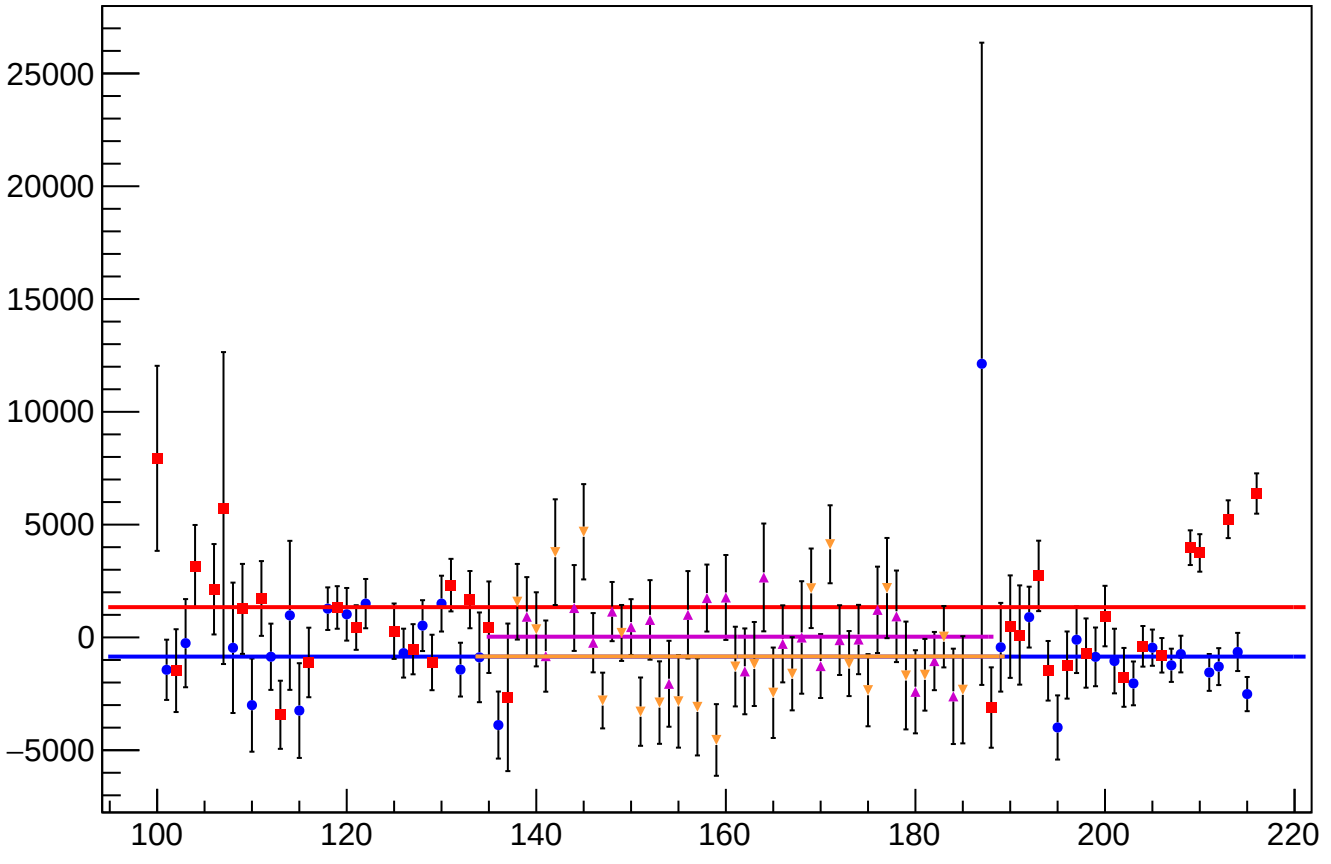
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1098.139+/-0.125 χ^2/NDF: 466287.6/64

In: 1099.277+/-0.127 χ^2/NDF:98068.3/53

Out: 1103.474+/-0.127 χ^2/NDF:375736.9/57

All: 1101.380+/-0.090 χ^2/NDF: 474353.7/111



Right In: -850.783+/-207.167 χ^2/NDF: 40.4/30

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

Right Out: 1341.659+/-219.001 χ^2/NDF: 137.5/32

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

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

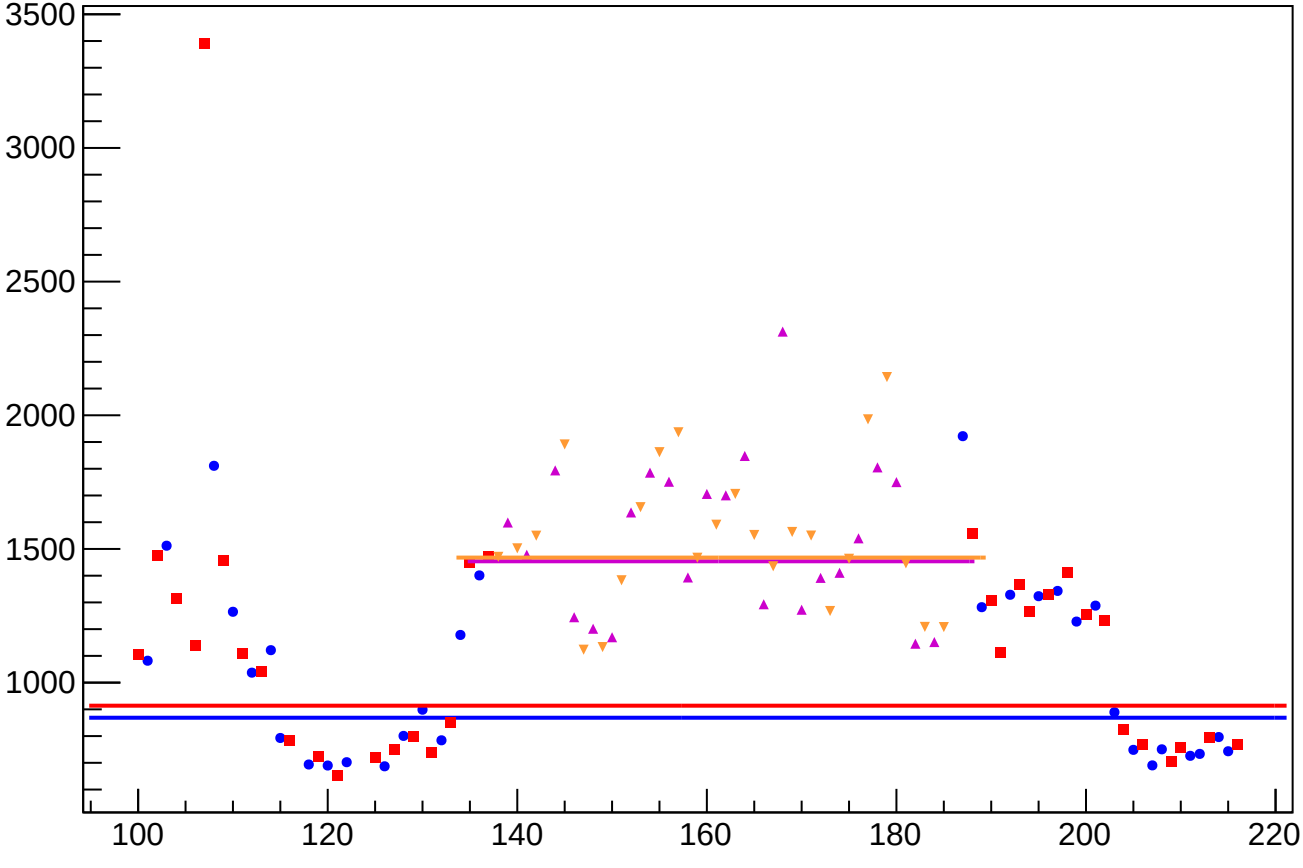
Right: 184.602+/-150.499 χ^2/NDF: 230.8/63

In: -618.138+/-177.763 χ^2/NDF:58.3/53

Out: 720.643+/-185.282 χ^2/NDF:209.8/56

All: 23.536+/-128.273 χ^2/NDF: 295.3/110

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: 913.701+/-0.155 χ^2/NDF: 3020768.5/32

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

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

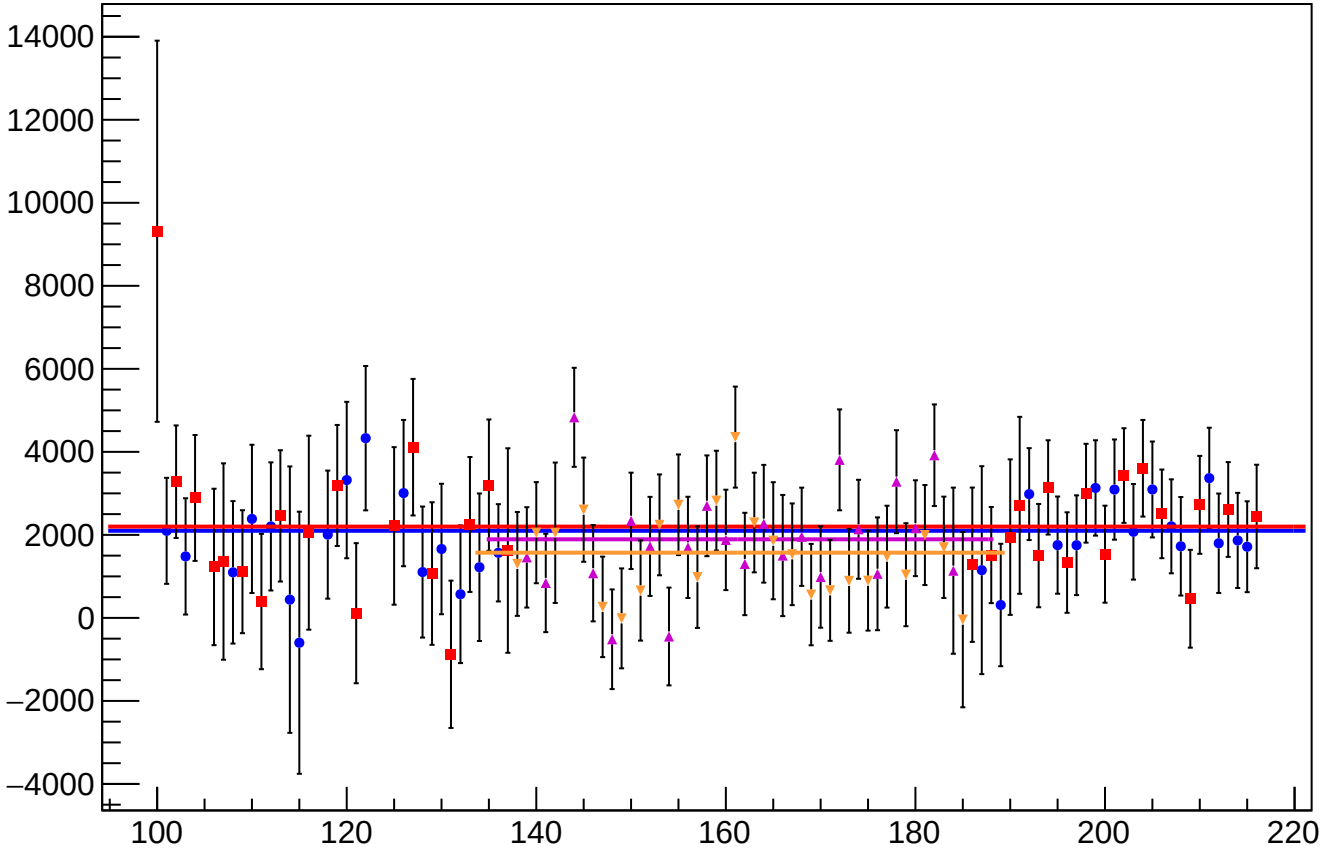
Right: 889.923+/-0.106 χ^2/NDF: 5659372.1/63

In: 1022.971+/-0.126 χ^2/NDF:7930378.4/53

Out: 1071.161+/-0.131 χ^2/NDF:7700247.3/56

All: 1046.068+/-0.091 χ^2/NDF: 15701071.5/1

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: 2199.323+/-247.794 χ^2/NDF: 20.9/33

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

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

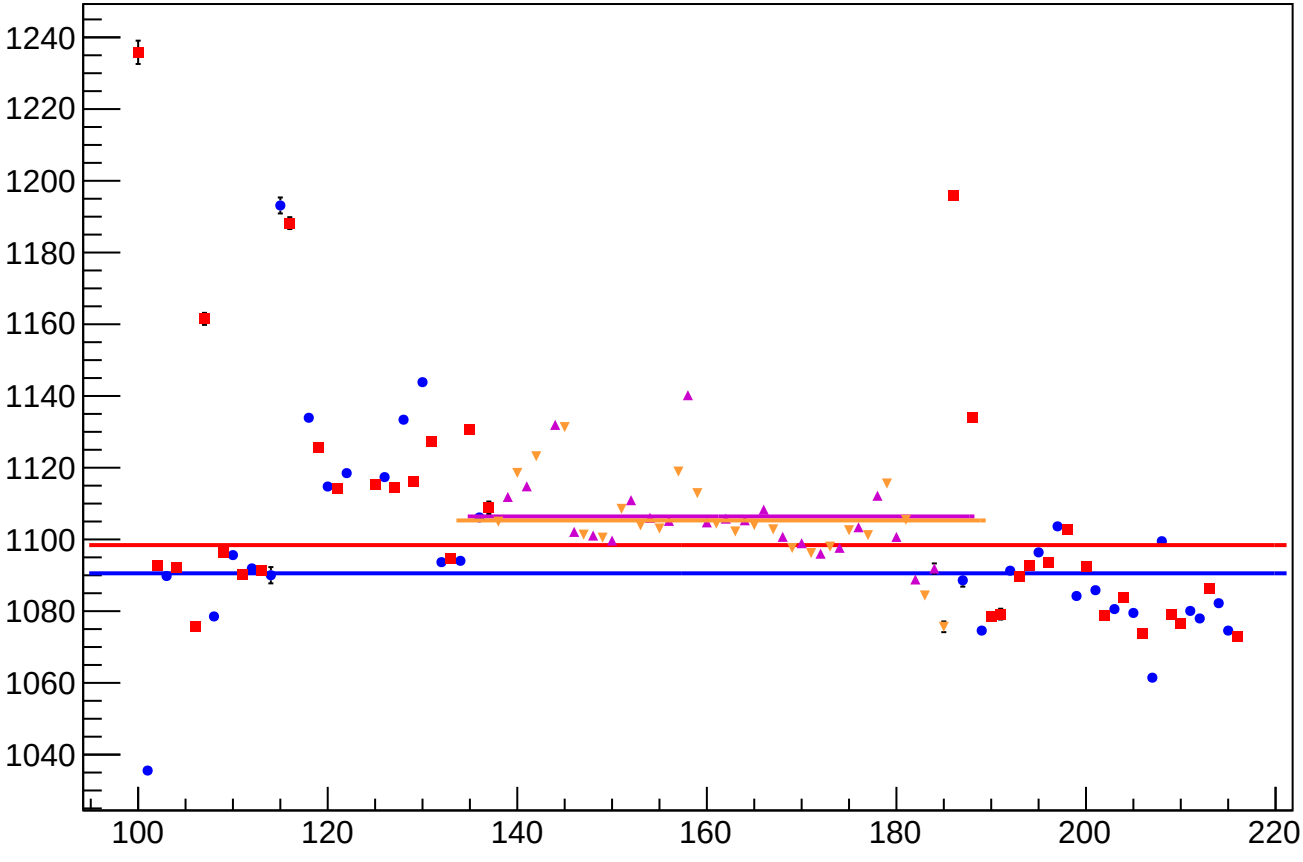
Right: 2149.229+/-175.366 χ^2/NDF: 32.7/64

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

Out: 1896.076+/-178.227 χ^2/NDF:39.4/57

All: 1947.948+/-126.294 χ^2/NDF: 75.7/111

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: 1098.419+/-0.175 χ^2/NDF: 21782.6/33

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

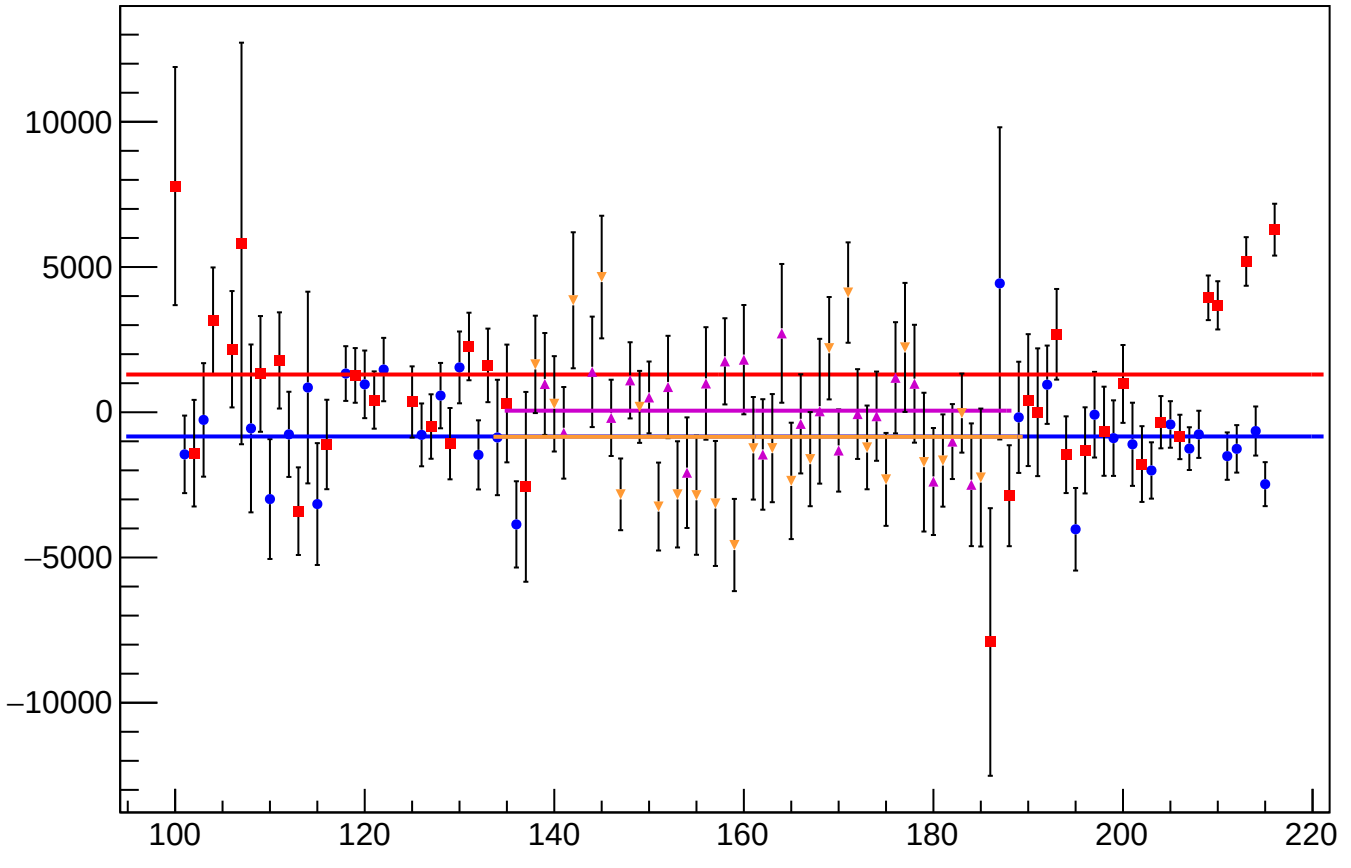
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1094.493+/-0.124 χ^2/NDF: 39041.6/64

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

Out: 1101.738+/-0.126 χ^2/NDF:25687.4/57

All: 1099.958+/-0.089 χ^2/NDF: 50032.8/111



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: 1299.622+/-218.409 χ^2/NDF: 138.6/33

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

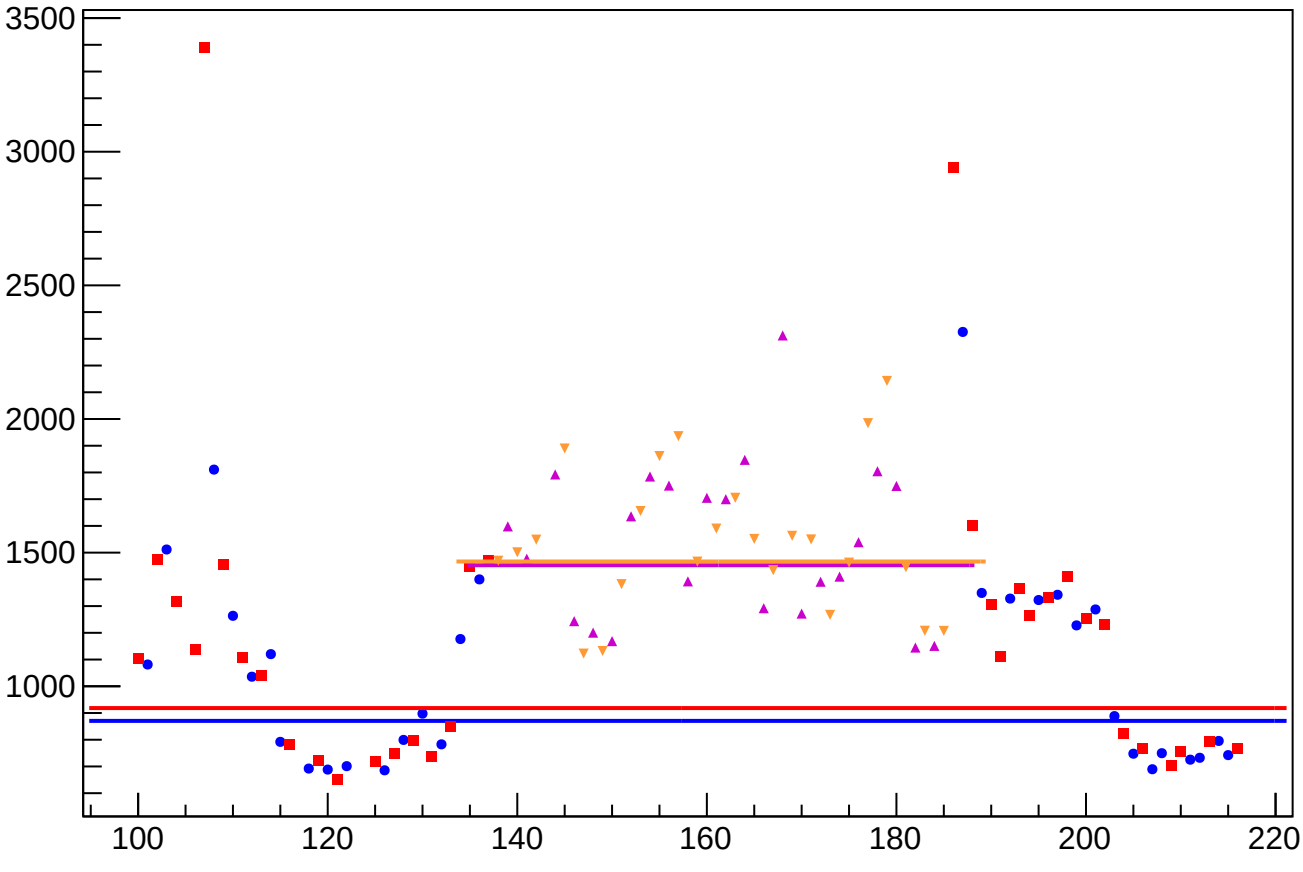
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 174.595+/-150.138 χ^2/NDF: 229.6/64

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

Out: 692.043+/-184.895 χ^2/NDF:210.1/57

All: 19.650+/-128.030 χ^2/NDF: 294.1/111



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: 918.434+/-0.154 χ^2/NDF: 3470323.7/33

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

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

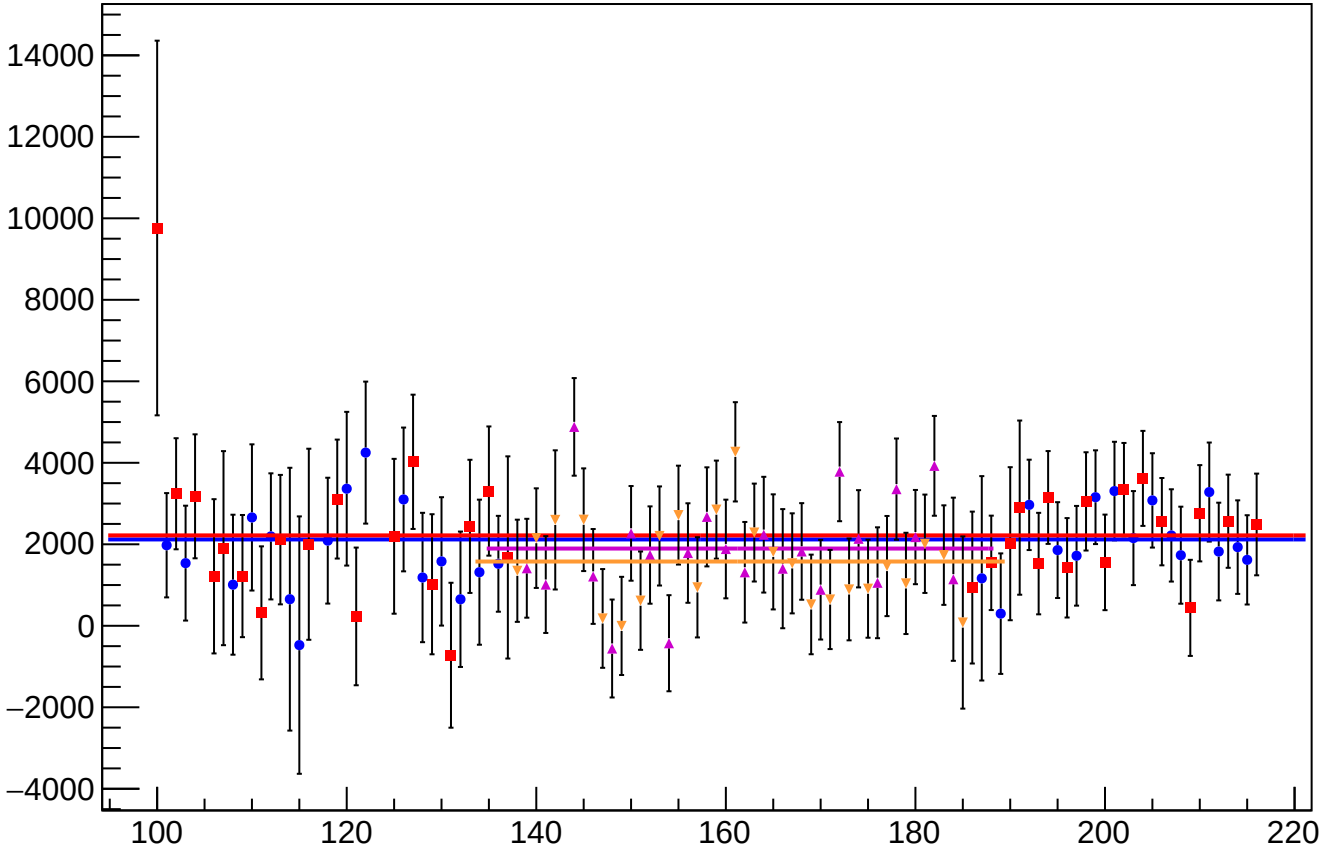
Right: 893.151+/-0.106 χ^2/NDF: 6295508.1/64

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

Out: 1073.827+/-0.131 χ^2/NDF:8086557.9/57

All: 1047.765+/-0.091 χ^2/NDF: 16244585.8/1

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: 2218.454+/-248.631 χ^2/NDF: 20.7/33

Left In: 1895.548+/-258.750 χ^2/NDF:24.1/22

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

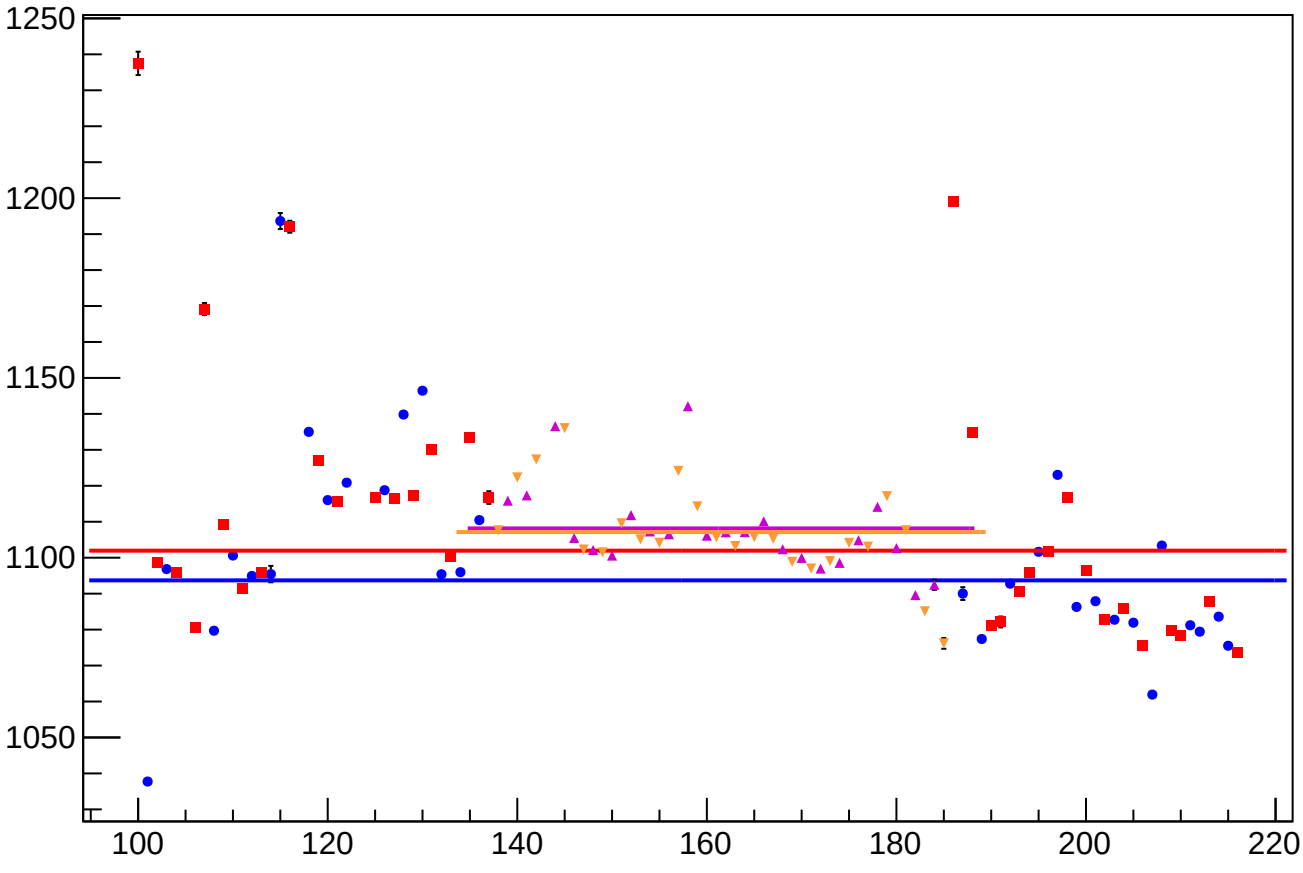
Right: 2168.817+/-175.921 χ^2/NDF: 32.5/64

In: 2011.614+/-179.398 χ^2/NDF:36.2/53

Out: 1908.539+/-178.695 χ^2/NDF:39.5/57

All: 1959.874+/-126.604 χ^2/NDF: 75.8/111

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: 1101.956+/-0.176 χ^2/NDF: 22296.0/33

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

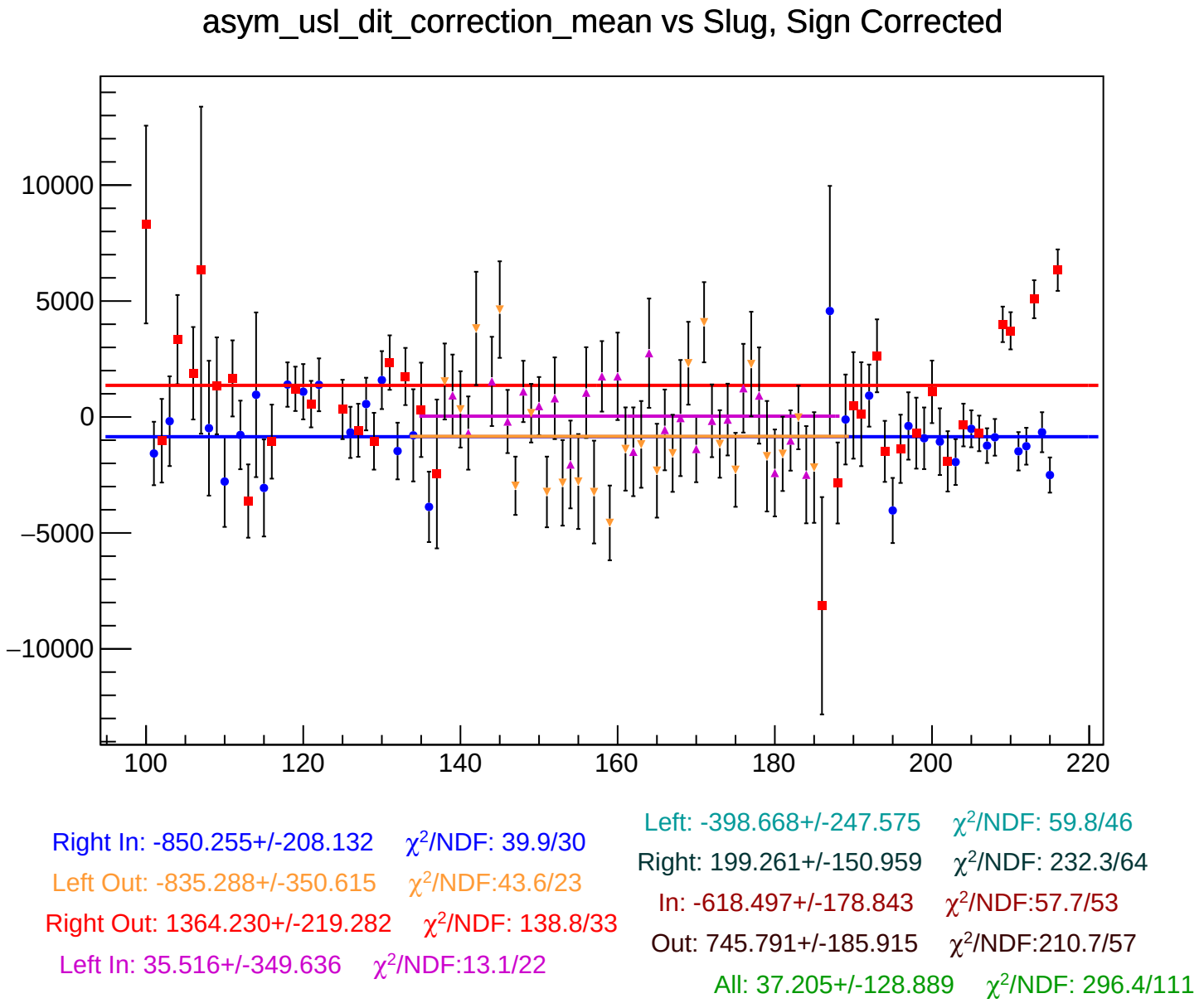
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1097.831+/-0.124 χ^2/NDF: 41253.0/64

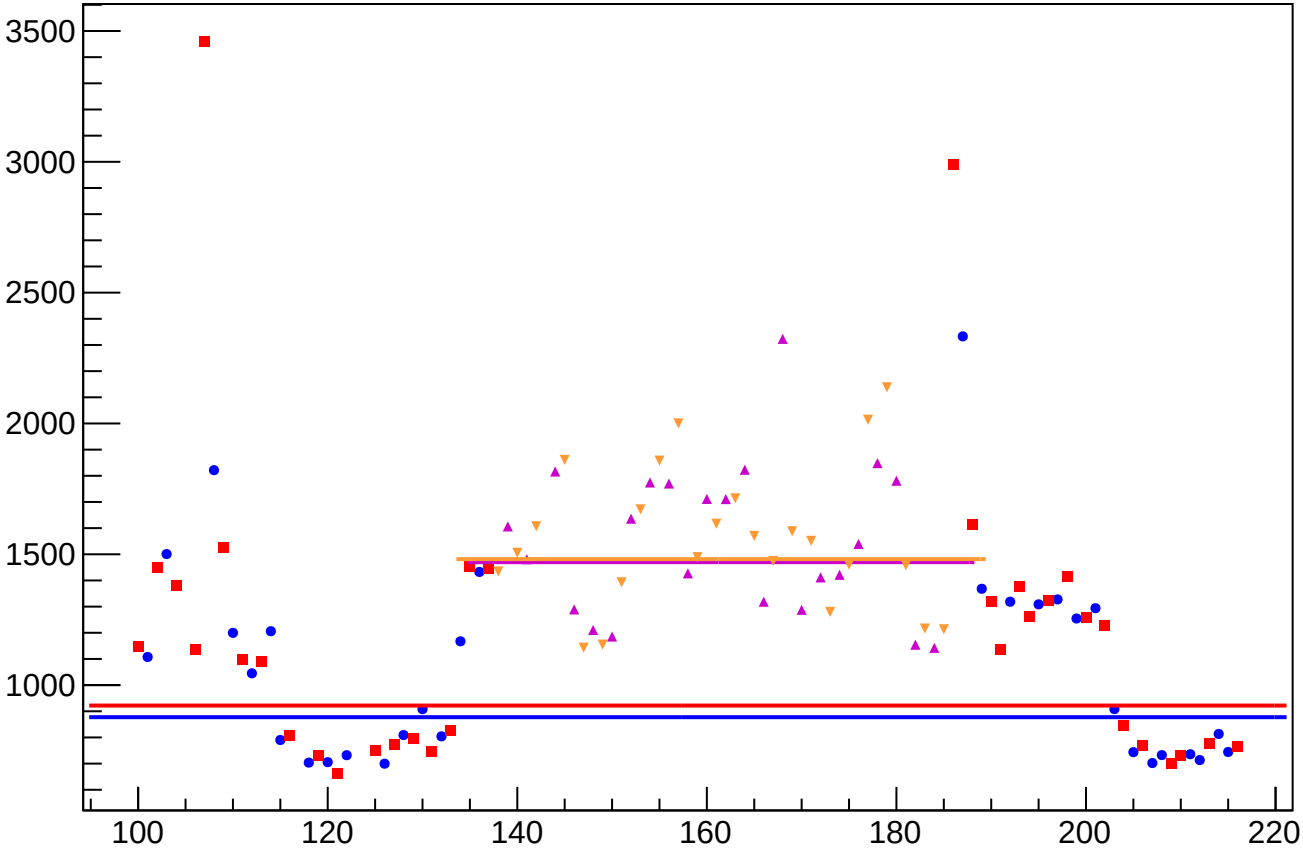
In: 1100.641+/-0.127 χ^2/NDF:25284.2/53

Out: 1104.456+/-0.126 χ^2/NDF:26497.9/57

All: 1102.556+/-0.090 χ^2/NDF: 52235.9/111


asym_usl_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -850.255+/-208.132 χ²/NDF: 39.9/30
Left Out: -835.288+/-350.615 χ²/NDF:43.6/23
Right Out: 1364.230+/-219.282 χ²/NDF: 138.8/33
Left In: 35.516+/-349.636 χ²/NDF:13.1/22
Left: -398.668+/-247.575 χ²/NDF: 59.8/46
Right: 199.261+/-150.959 χ²/NDF: 232.3/64
In: -618.497+/-178.843 χ²/NDF:57.7/53
Out: 745.791+/-185.915 χ²/NDF:210.7/57
All: 37.205+/-128.889 χ²/NDF: 296.4/111

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: 921.905+/-0.155 χ^2/NDF: 3516540.6/33

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

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

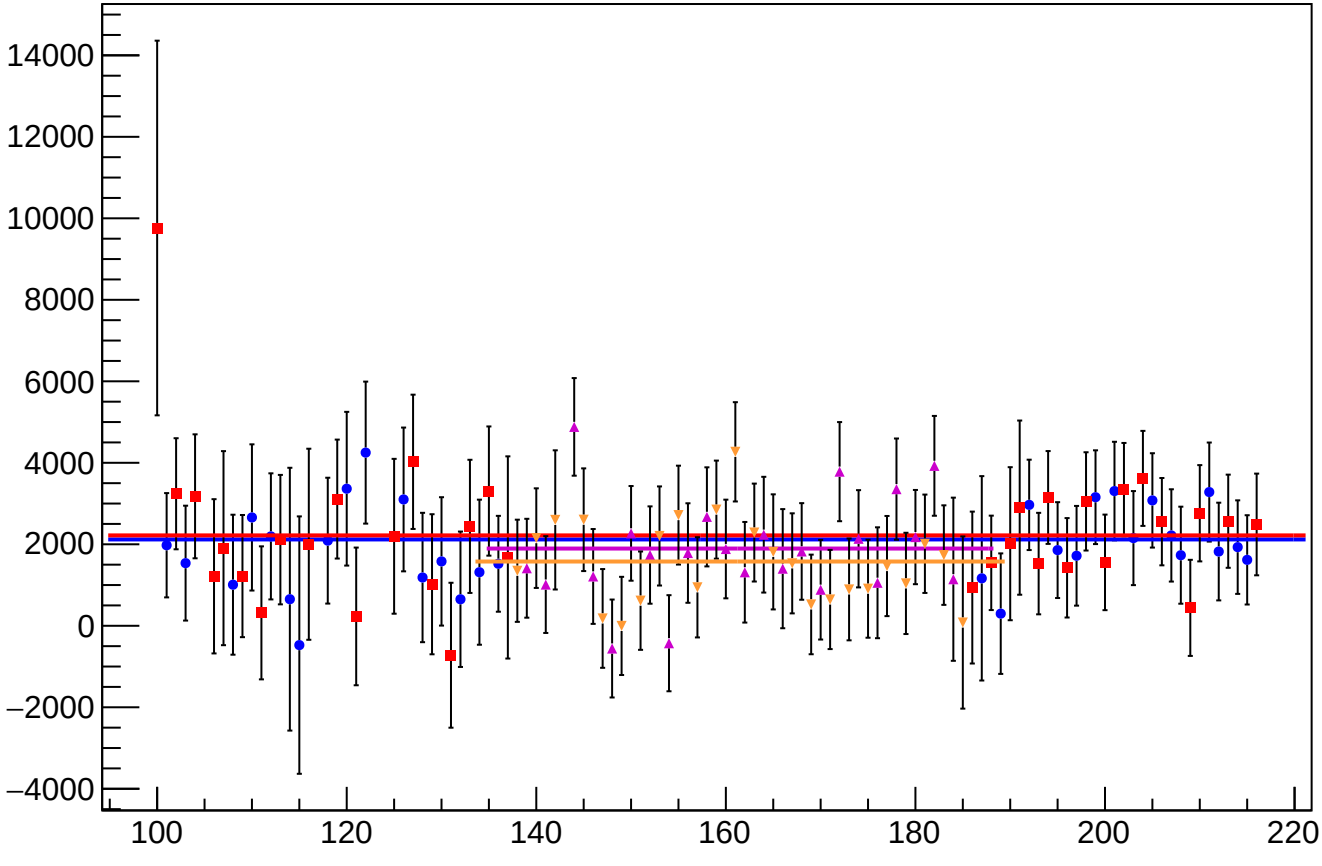
Right: 898.492+/-0.107 χ^2/NDF: 6303377.8/64

In: 1032.426+/-0.126 χ^2/NDF:8079383.3/53

Out: 1079.259+/-0.131 χ^2/NDF:8196774.1/57

All: 1054.935+/-0.091 χ^2/NDF: 16342072.6/1

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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: 2218.452+/-248.631 χ^2/NDF: 20.7/33

Left In: 1895.549+/-258.750 χ^2/NDF:24.1/22

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

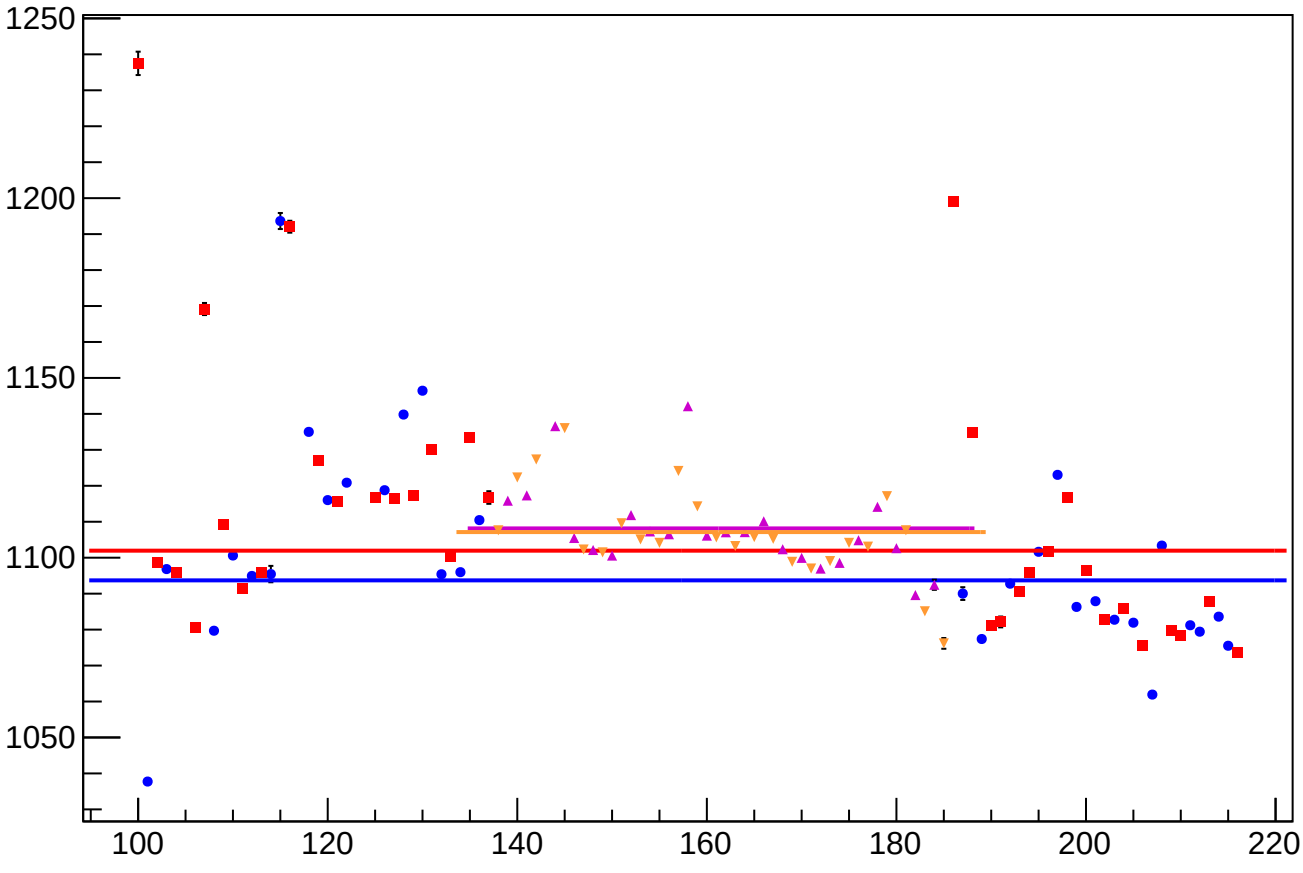
Right: 2168.816+/-175.921 χ^2/NDF: 32.5/64

In: 2011.614+/-179.398 χ^2/NDF:36.2/53

Out: 1908.537+/-178.695 χ^2/NDF:39.5/57

All: 1959.873+/-126.604 χ^2/NDF: 75.8/111

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: 1101.956+/-0.176 χ^2/NDF: 22295.9/33

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

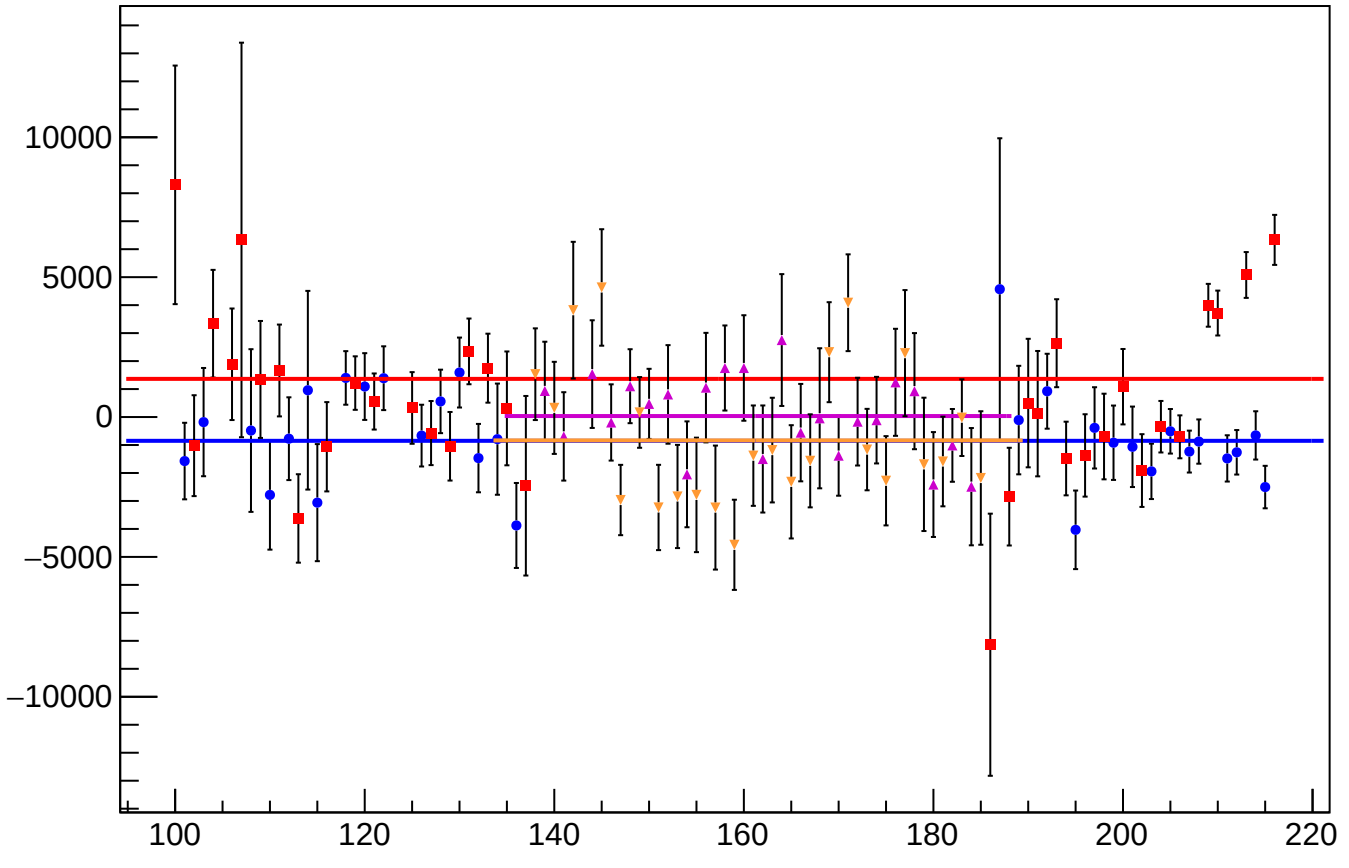
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1097.831+/-0.124 χ^2/NDF: 41253.0/64

In: 1100.641+/-0.127 χ^2/NDF:25284.2/53

Out: 1104.456+/-0.126 χ^2/NDF:26497.8/57

All: 1102.556+/-0.090 χ^2/NDF: 52235.9/111



Right In: -850.253+/-208.132 χ^2/NDF: 39.9/30

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 1364.226+/-219.281 χ^2/NDF: 138.8/33

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

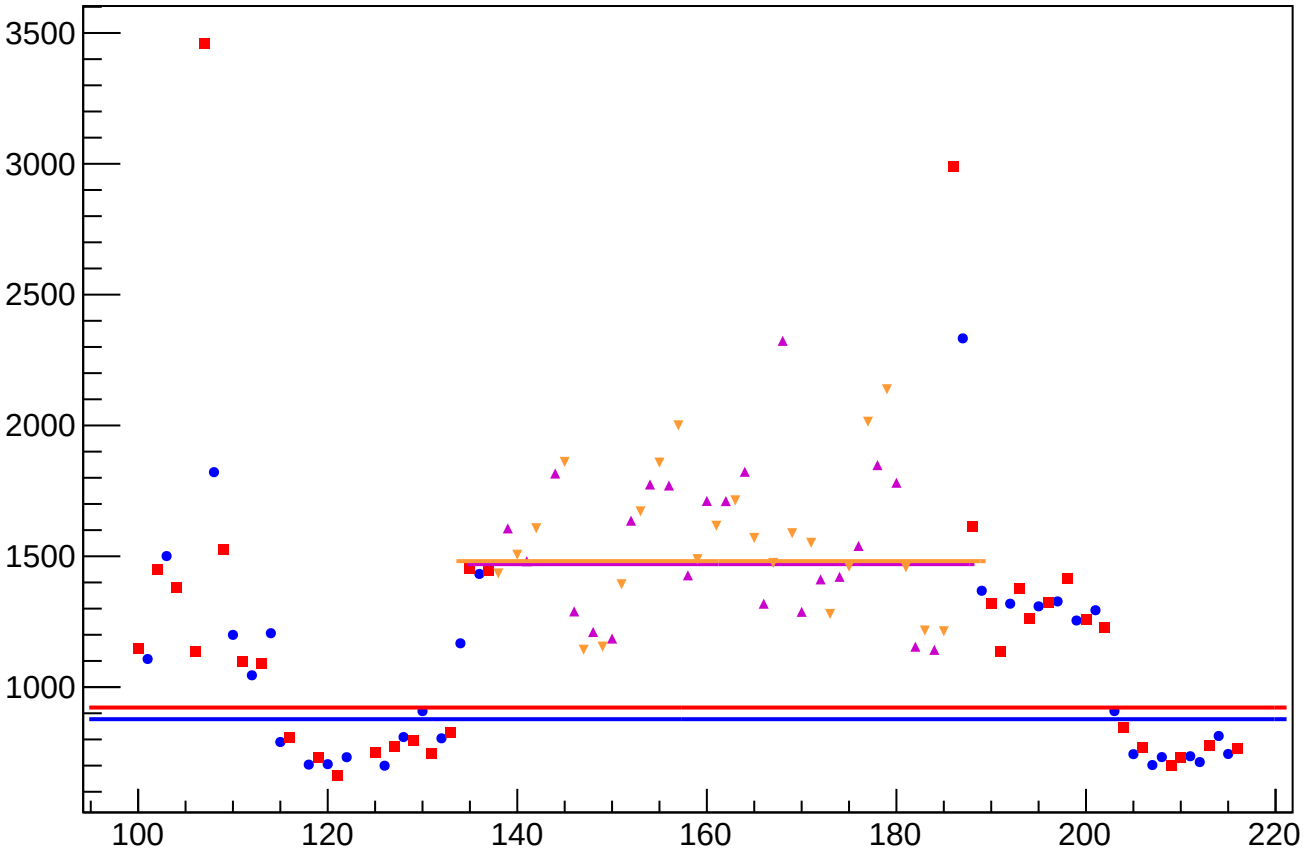
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 199.261+/-150.959 χ^2/NDF: 232.3/64

In: -618.496+/-178.843 χ^2/NDF:57.7/53

Out: 745.789+/-185.915 χ^2/NDF:210.7/57

All: 37.204+/-128.889 χ^2/NDF: 296.4/111



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: 921.905+/-0.155 χ^2/NDF: 3516541.7/33

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

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

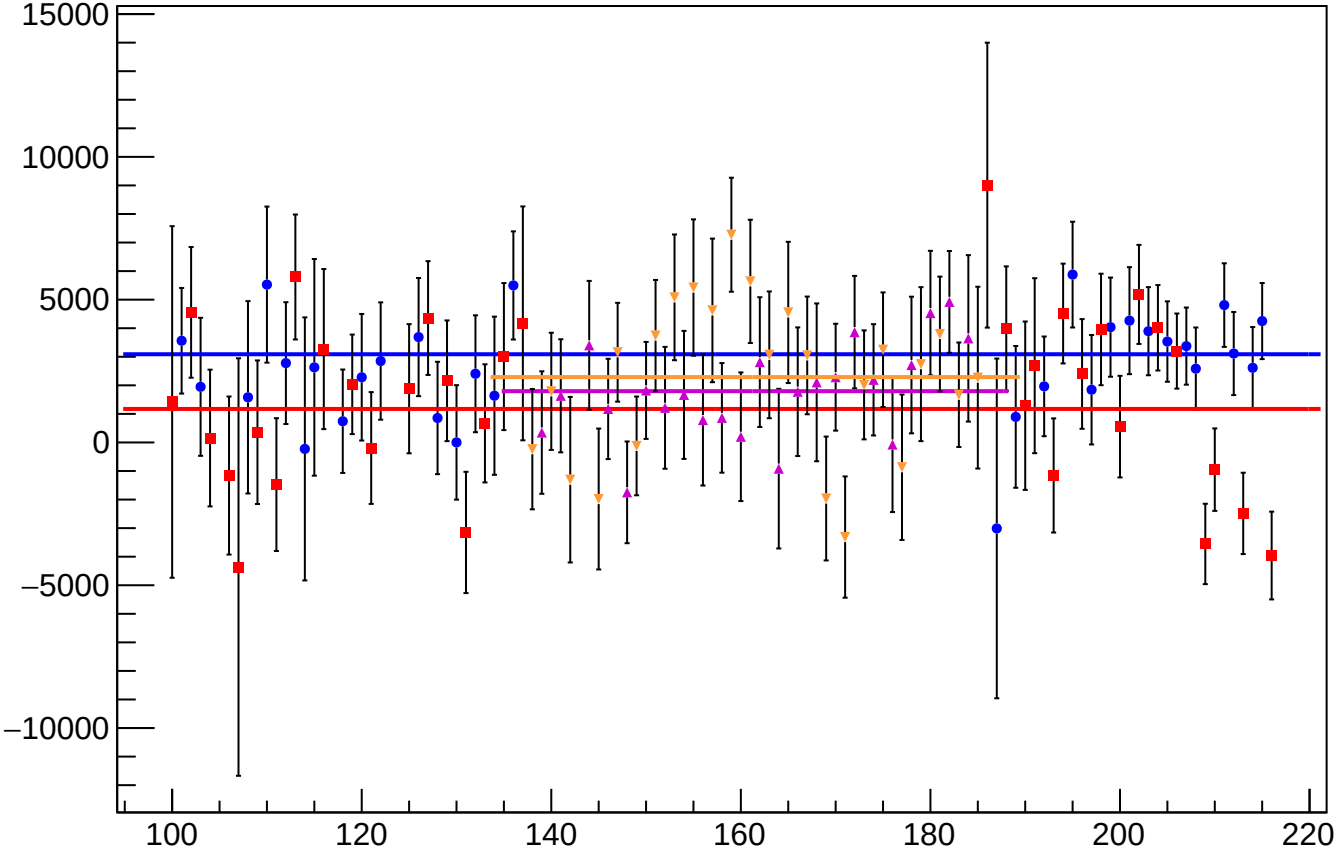
Right: 898.492+/-0.107 χ^2/NDF: 6303379.7/64

In: 1032.426+/-0.126 χ^2/NDF:8079403.3/53

Out: 1079.259+/-0.131 χ^2/NDF:8196794.8/57

All: 1054.934+/-0.091 χ^2/NDF: 16342113.2/1

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: 1173.283+/-346.937 χ^2/NDF: 73.4/33

Left In: 1796.308+/-439.143 χ^2/NDF:14.2/22

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

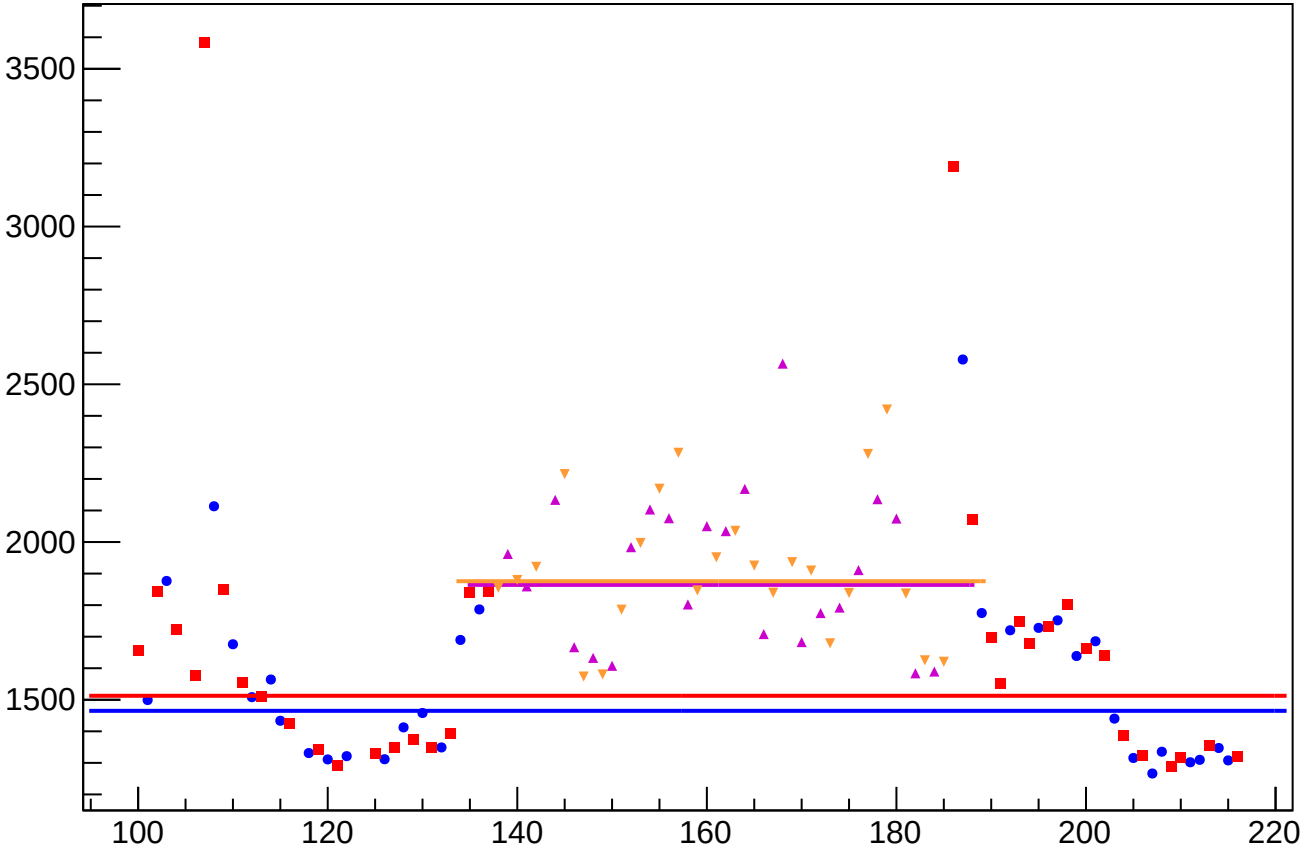
Right: 2158.832+/-241.742 χ^2/NDF: 106.9/64

In: 2609.759+/-267.365 χ^2/NDF:37.5/53

Out: 1602.093+/-272.275 χ^2/NDF:113.4/57

All: 2115.095+/-190.768 χ^2/NDF: 157.9/111

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: 1512.640+/-0.245 χ^2/NDF: 1106429.4/33

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

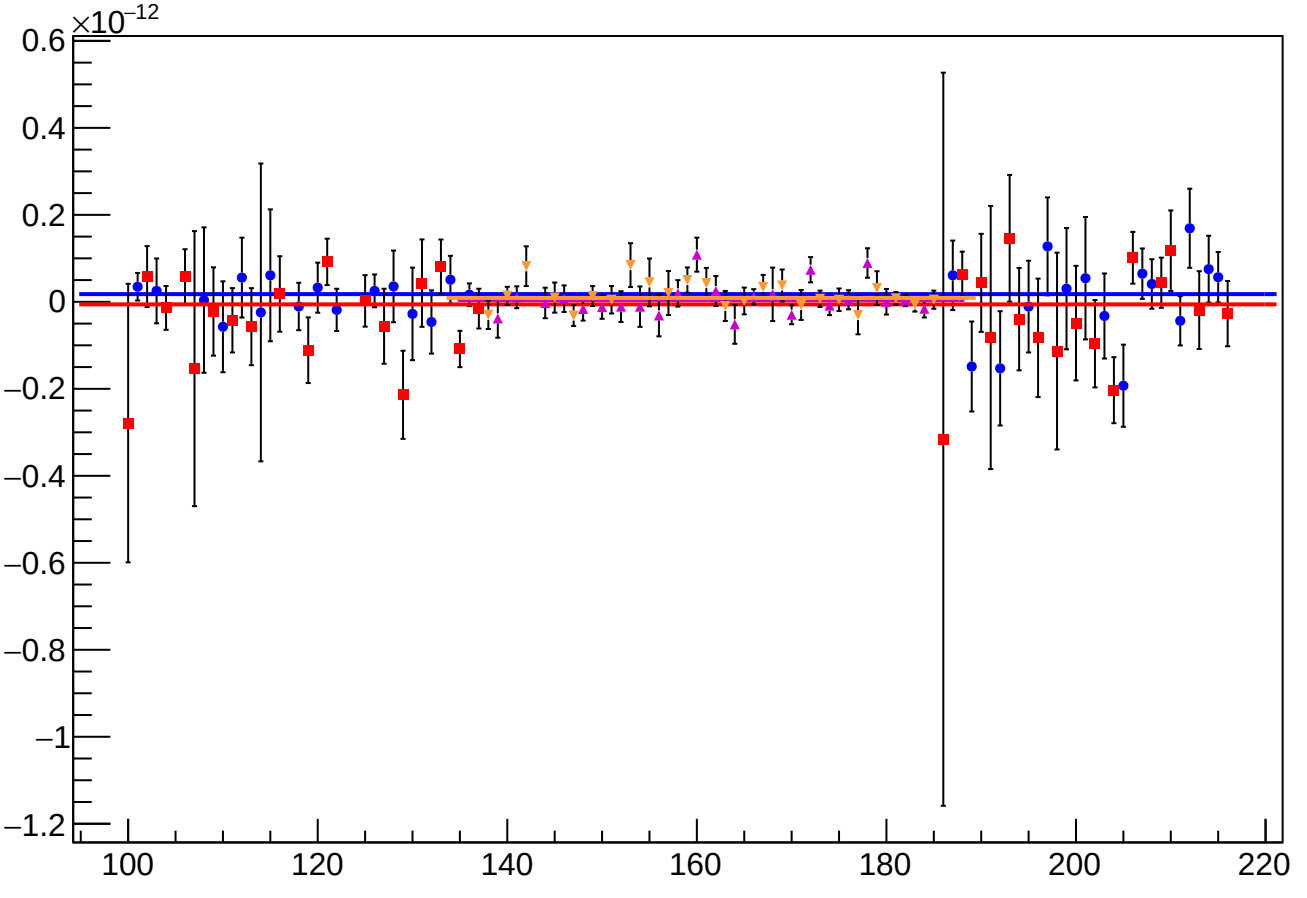
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1488.107+/-0.171 χ^2/NDF: 1841120.4/64

In: 1612.931+/-0.189 χ^2/NDF:2265989.0/53

Out: 1652.135+/-0.193 χ^2/NDF:2420777.7/57

All: 1632.176+/-0.135 χ^2/NDF: 4707875.9/11



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: 39.1/33

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

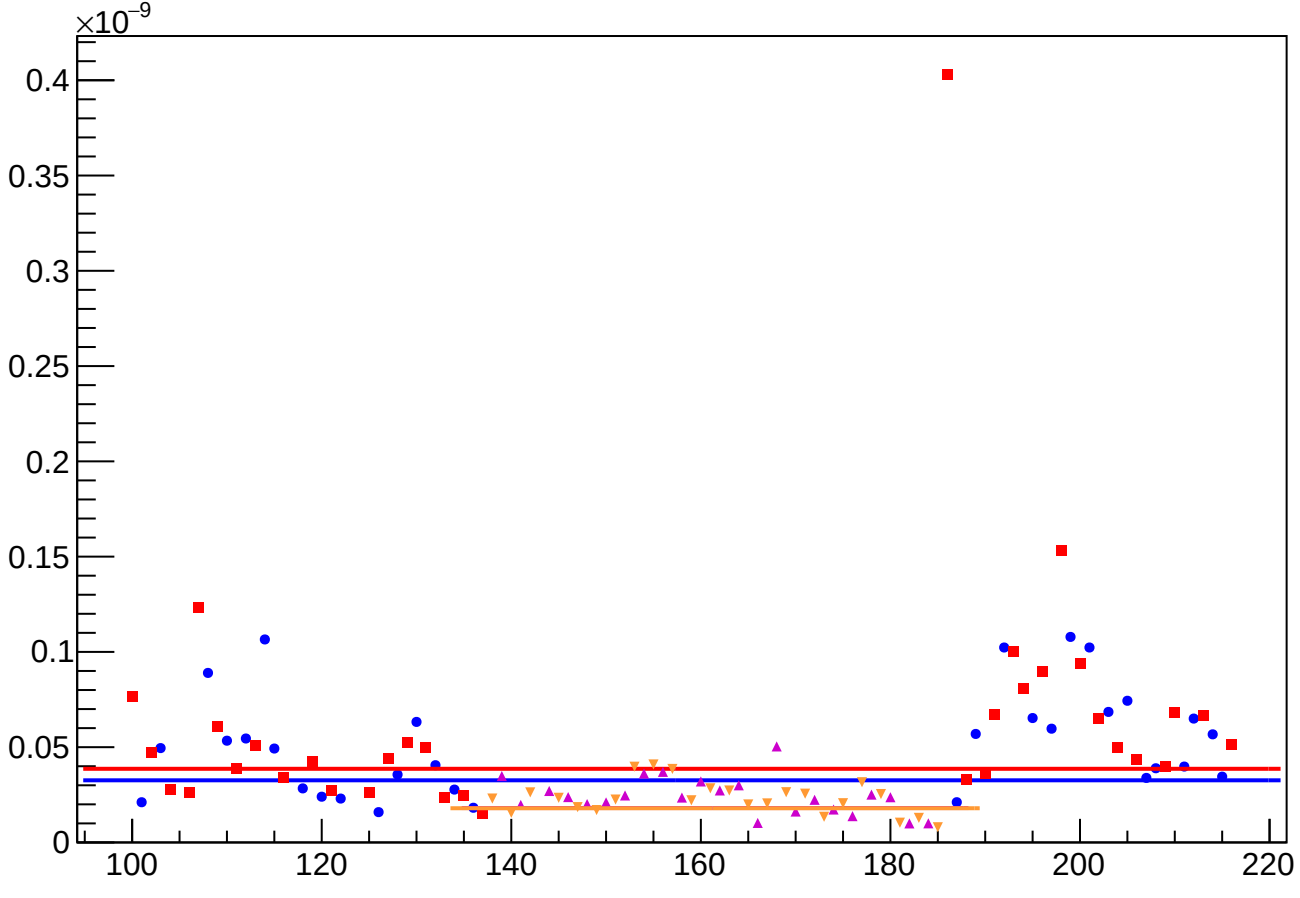
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 61.0/64

In: 0.000+/-0.000 χ^2/NDF:49.3/53

Out: 0.000+/-0.000 χ^2/NDF:56.7/57

All: 0.000+/-0.000 χ^2/NDF: 106.1/111



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: 4468649.5/33

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

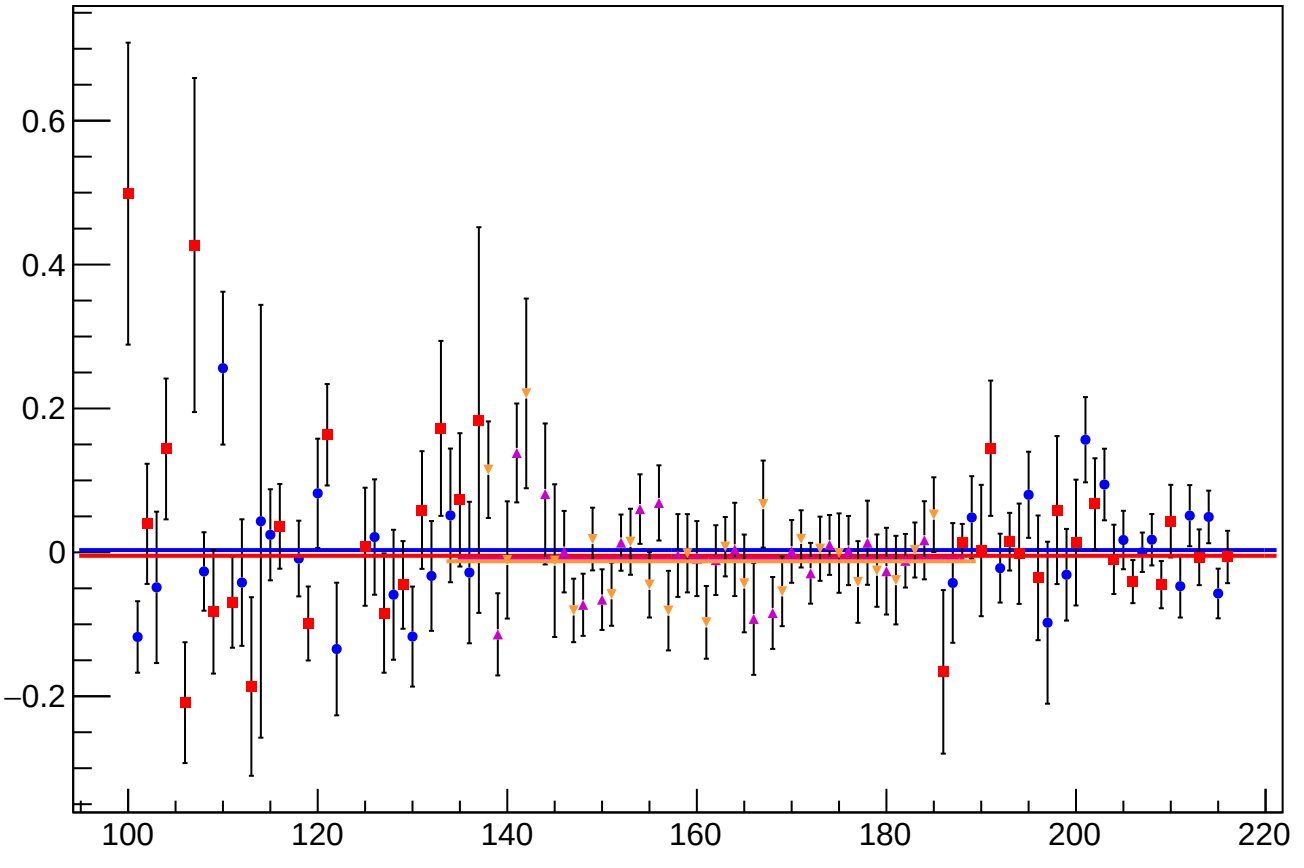
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10232127.8/64

In: 0.000+/-0.000 χ^2/NDF:12365006.9/53

Out: 0.000+/-0.000 χ^2/NDF:12228413.3/57

All: 0.000+/-0.000 χ^2/NDF: 24595015.5/111



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: 47.5/33

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

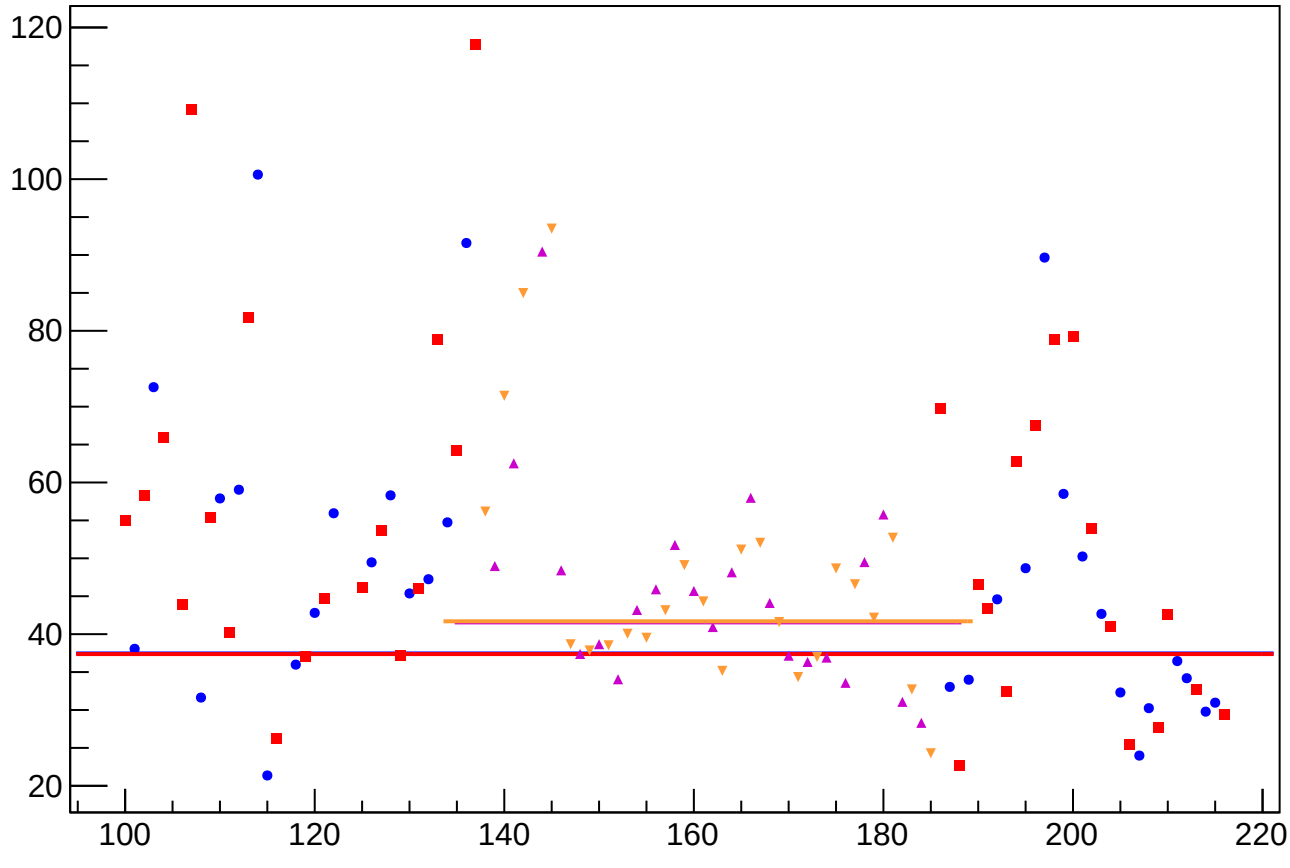
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.007 χ^2/NDF: 89.3/64

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.008+/-0.007 χ^2/NDF:69.7/57

All: -0.005+/-0.005 χ^2/NDF: 134.2/111



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: 37.372+/-0.007 χ^2/NDF: 4569202.1/33

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

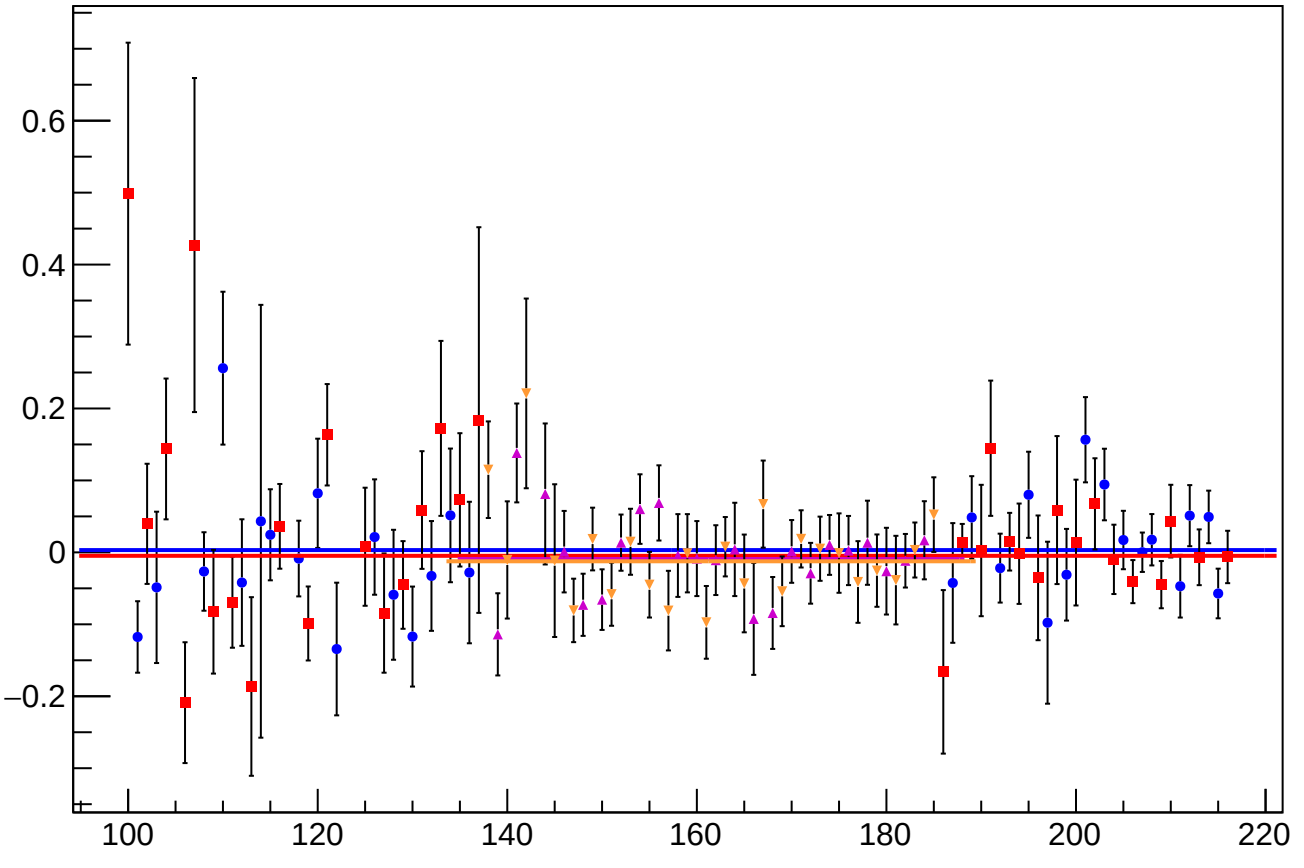
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 37.413+/-0.005 χ^2/NDF: 7865719.2/64

In: 39.365+/-0.005 χ^2/NDF:5072491.8/53

Out: 39.415+/-0.005 χ^2/NDF:6570012.1/57

All: 39.390+/-0.004 χ^2/NDF: 11642552.0/111



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: 47.5/33

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

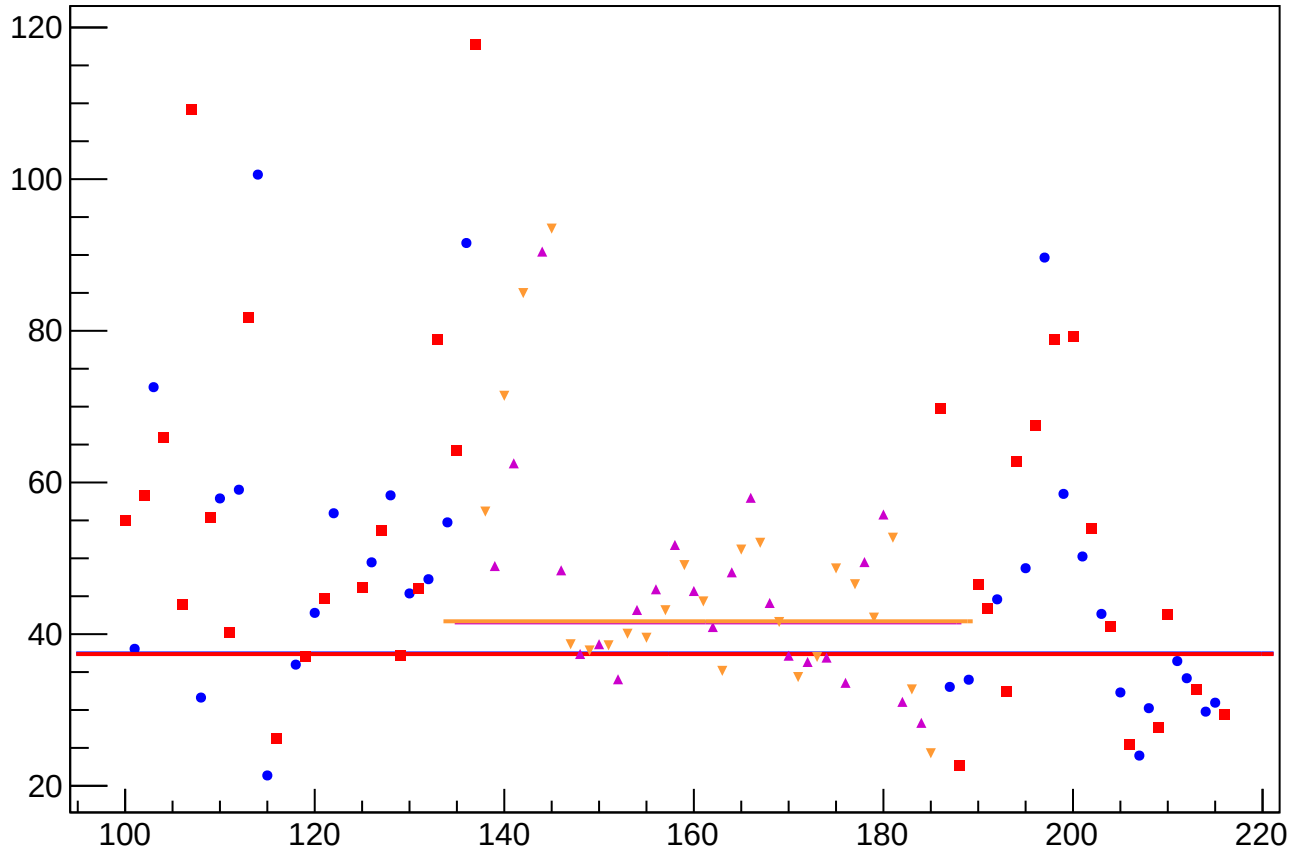
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.007 χ^2/NDF: 89.3/64

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.008+/-0.007 χ^2/NDF:69.7/57

All: -0.005+/-0.005 χ^2/NDF: 134.2/111



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: 37.372+/-0.007 χ^2/NDF: 4569202.1/33

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

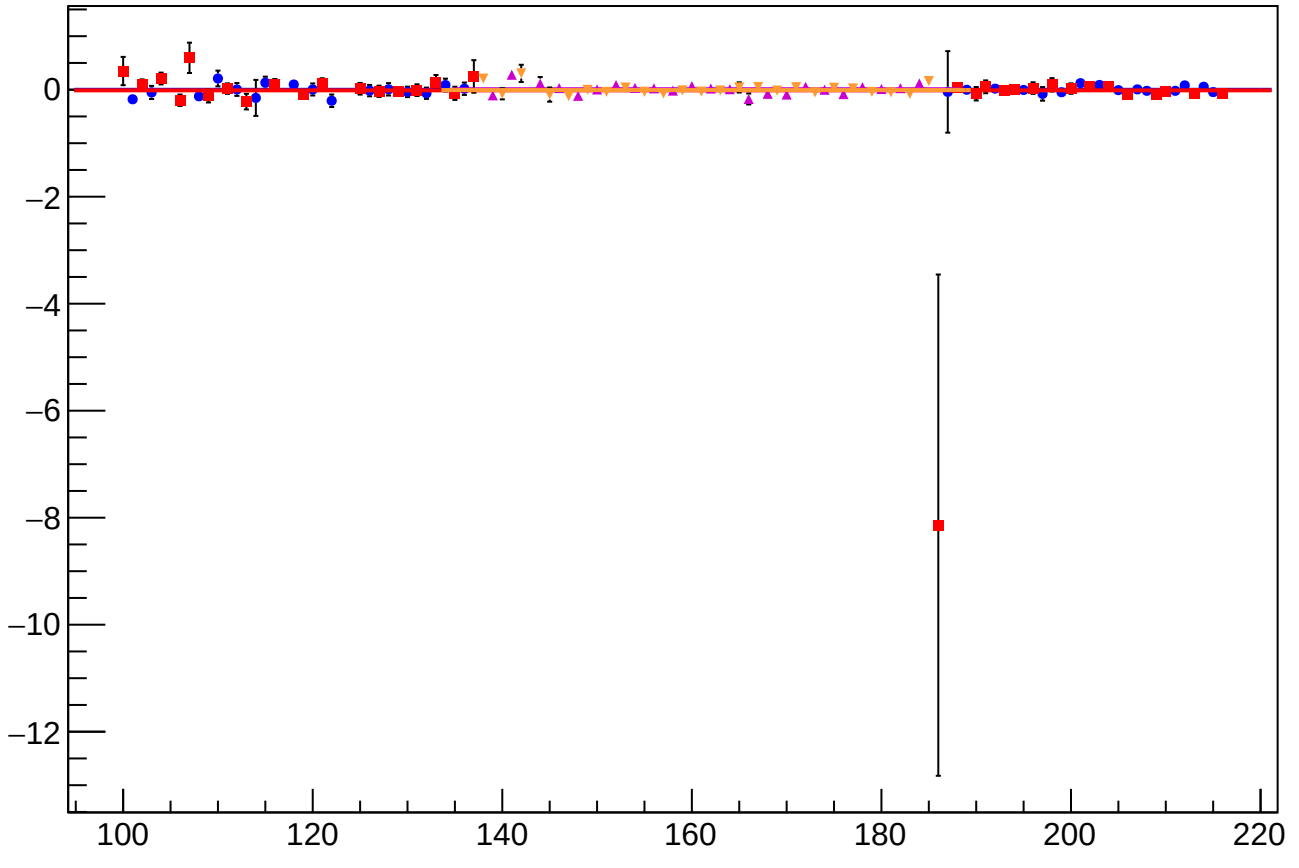
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 37.413+/-0.005 χ^2/NDF: 7865719.2/64

In: 39.365+/-0.005 χ^2/NDF:5072491.8/53

Out: 39.415+/-0.005 χ^2/NDF:6570012.1/57

All: 39.390+/-0.004 χ^2/NDF: 11642552.0/11



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: -0.012+/-0.015 χ^2/NDF: 38.0/33

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

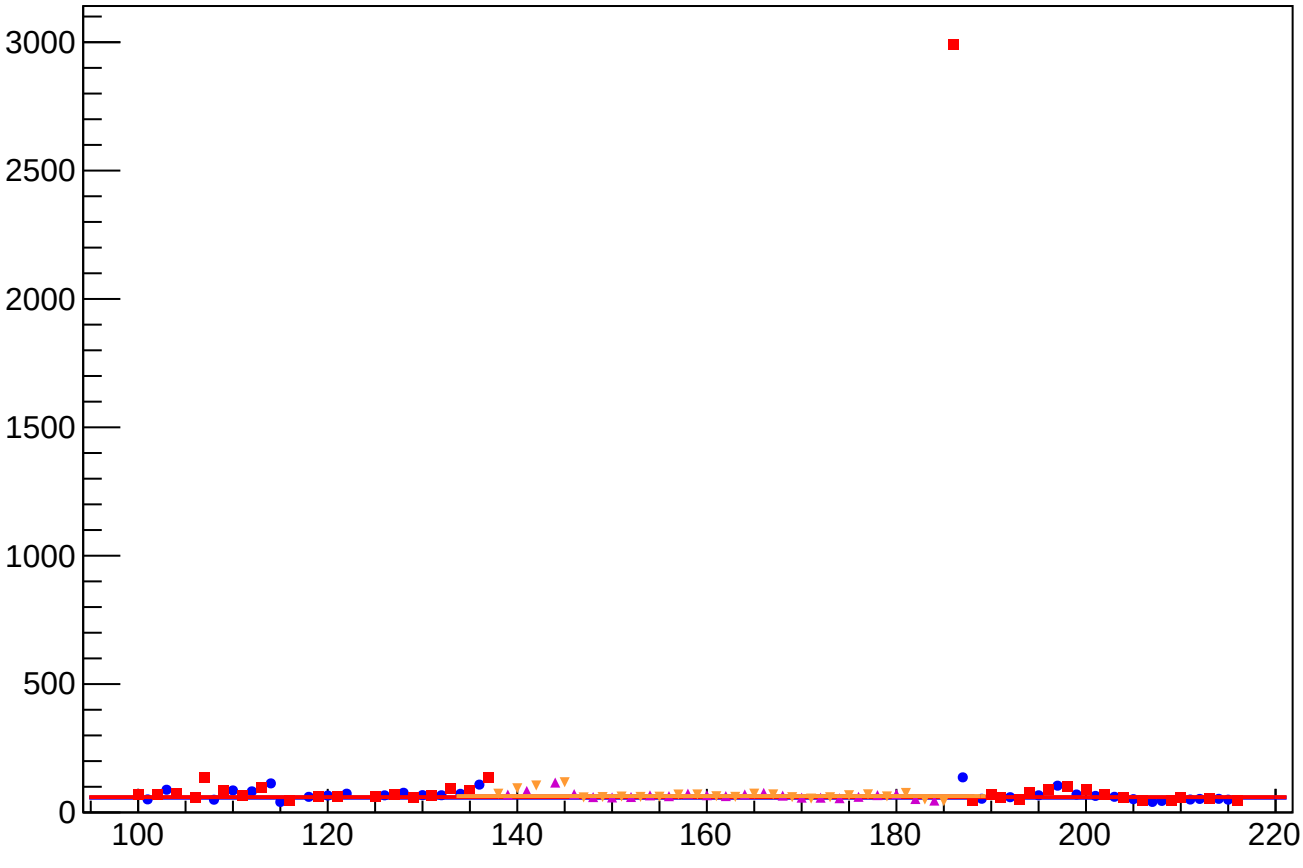
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.007+/-0.010 χ^2/NDF: 66.4/64

In: 0.002+/-0.010 χ^2/NDF:56.5/53

Out: -0.010+/-0.011 χ^2/NDF:61.7/57

All: -0.003+/-0.007 χ^2/NDF: 118.9/111



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: 59.760+/-0.010 χ^2/NDF: 2883746.8/33

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

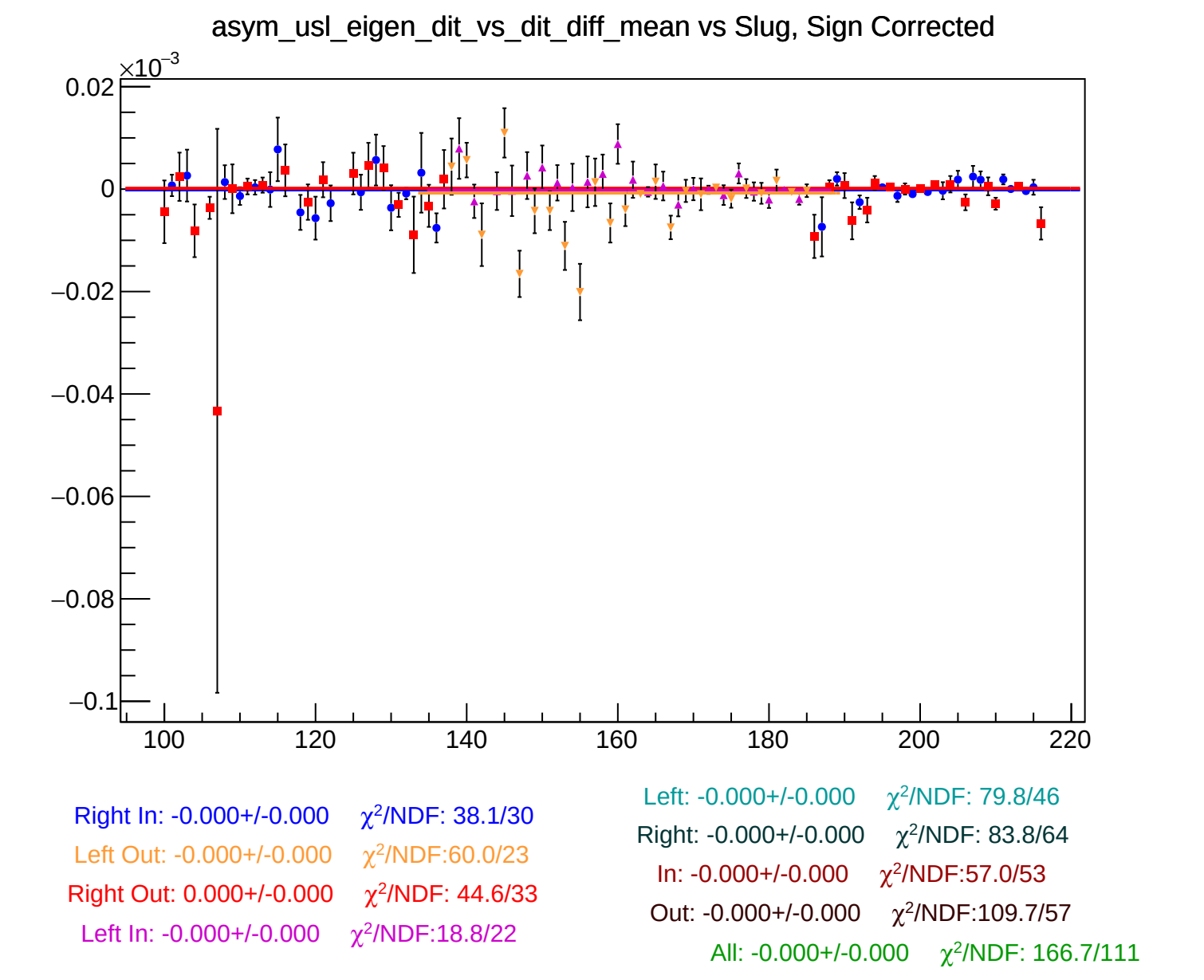
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

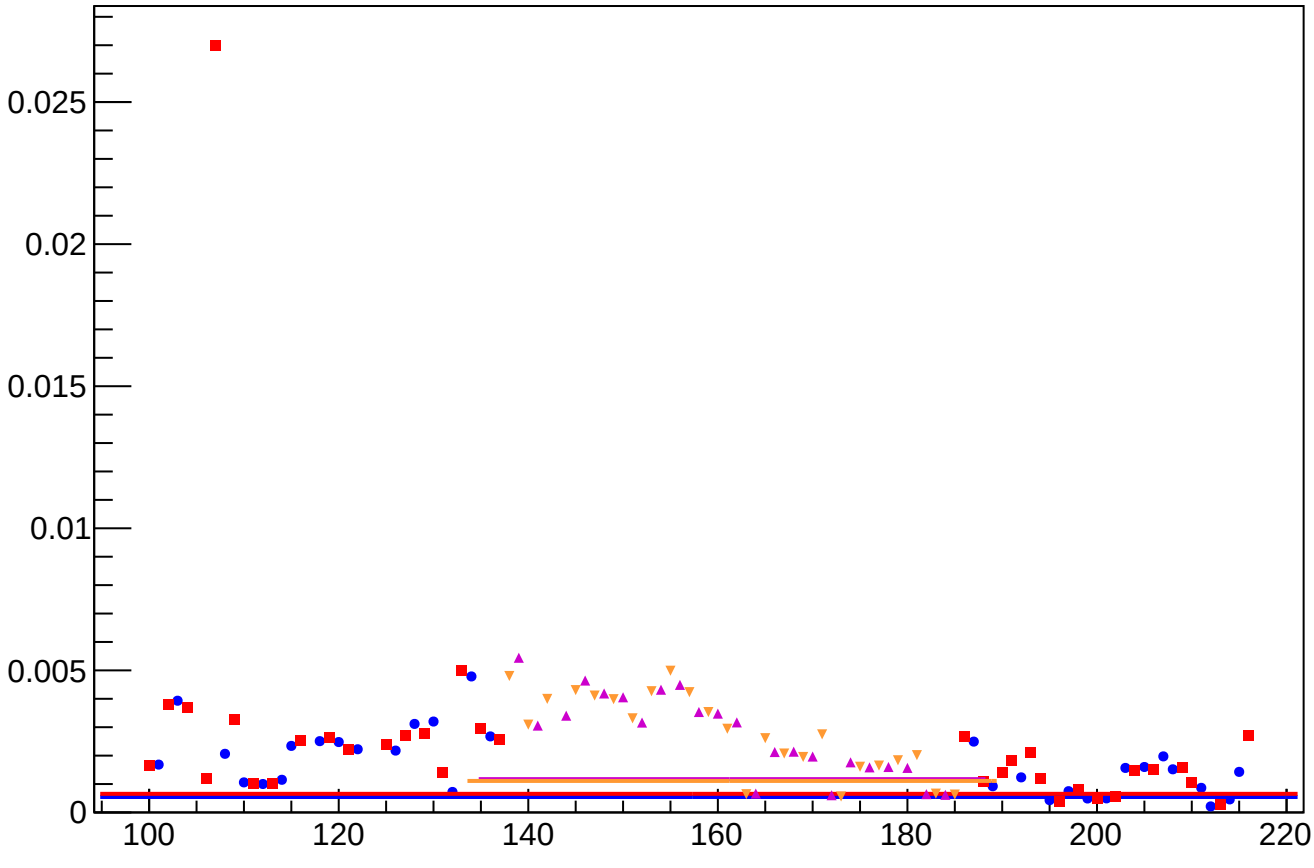
Right: 58.554+/-0.007 χ^2/NDF: 4814753.7/64

In: 60.440+/-0.007 χ^2/NDF:2941660.2/53

Out: 61.679+/-0.008 χ^2/NDF:4033649.1/57

All: 61.048+/-0.005 χ^2/NDF: 6989116.4/111


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 38.1/30
Left Out: -0.000+/-0.000 χ²/NDF:60.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 44.6/33
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
Left: -0.000+/-0.000 χ²/NDF: 79.8/46
Right: -0.000+/-0.000 χ²/NDF: 83.8/64
In: -0.000+/-0.000 χ²/NDF:57.0/53
Out: -0.000+/-0.000 χ²/NDF:109.7/57
All: -0.000+/-0.000 χ²/NDF: 166.7/111



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: 15465108.7/33

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

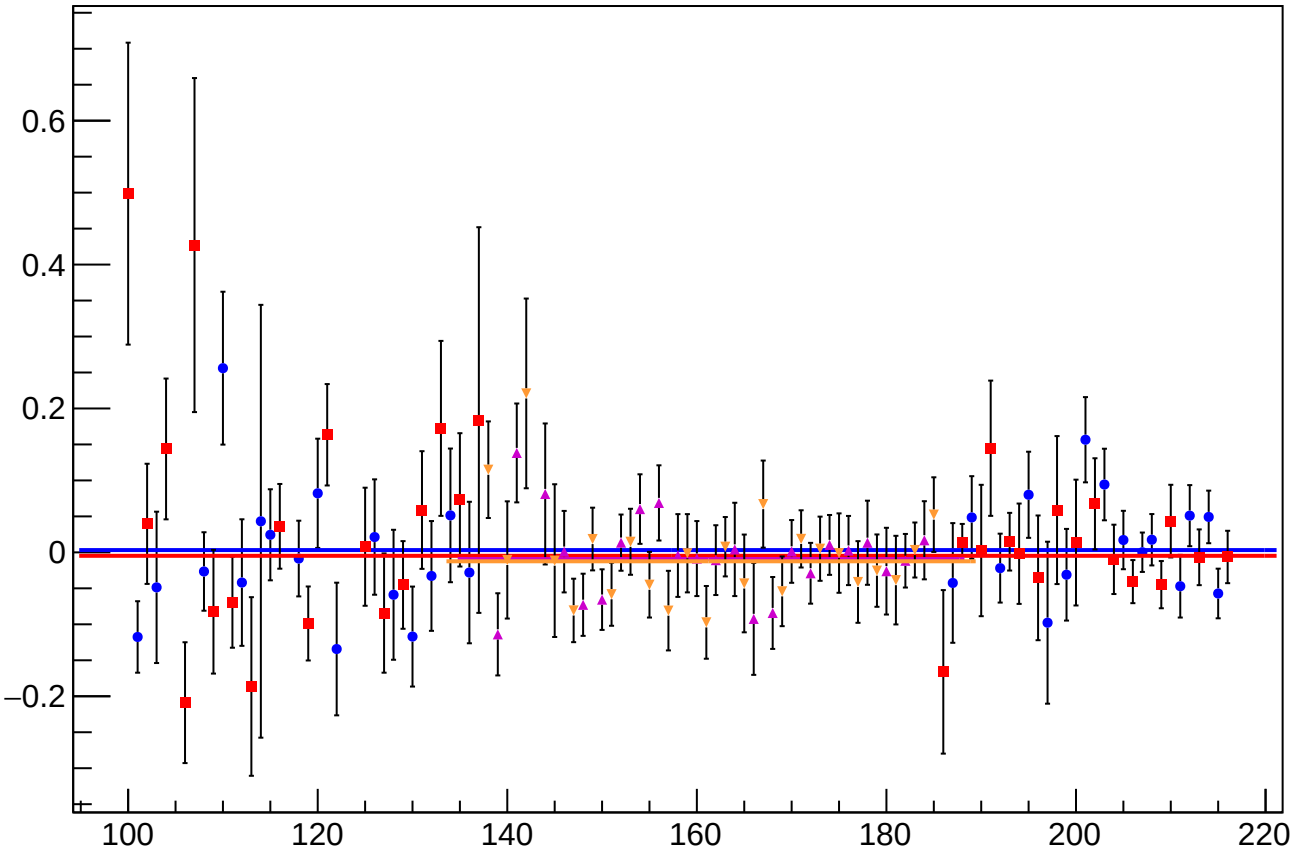
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 31398290.1/64

In: 0.001+/-0.000 χ^2/NDF:34827601.5/53

Out: 0.001+/-0.000 χ^2/NDF:33211103.6/57

All: 0.001+/-0.000 χ^2/NDF: 68518072.7/111



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: 47.5/33

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

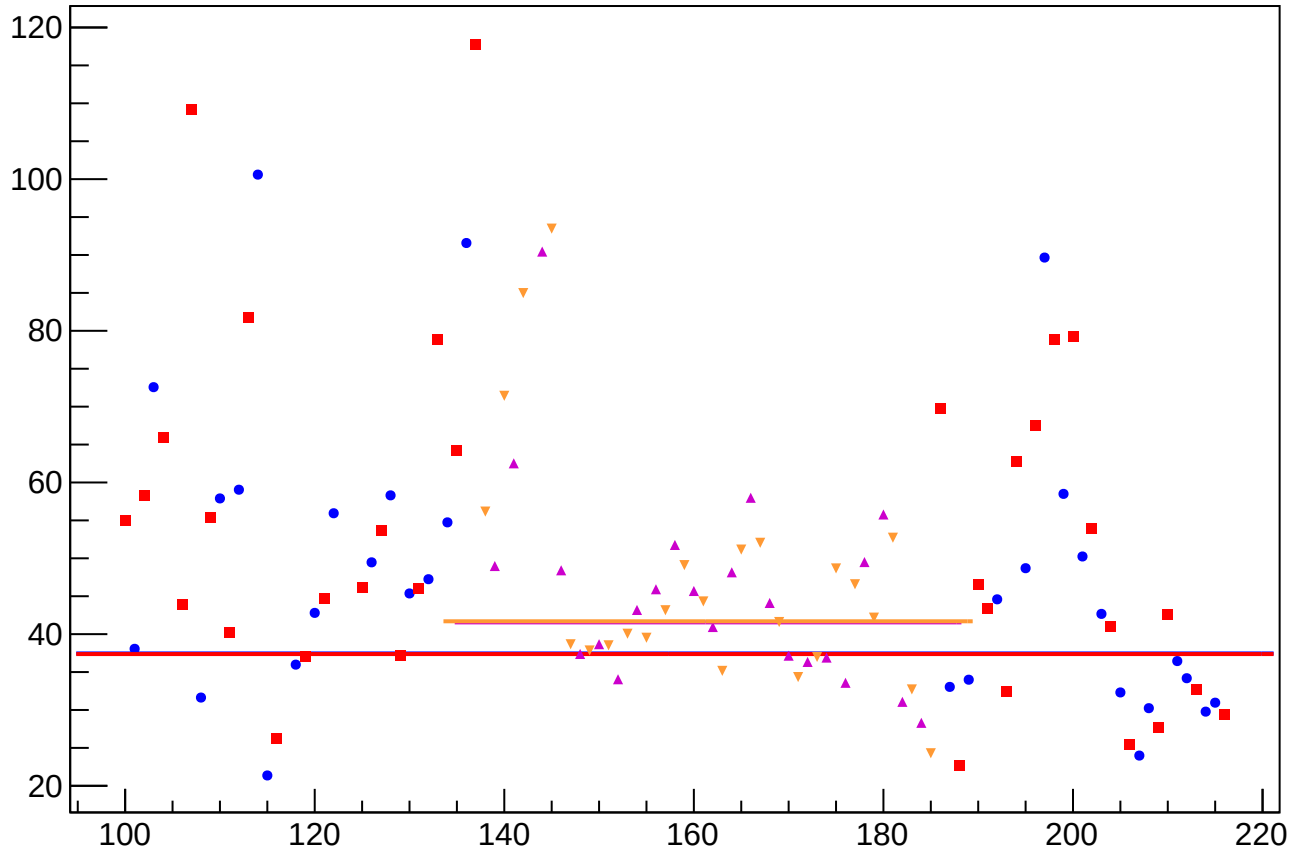
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.007 χ^2/NDF: 89.3/64

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.008+/-0.007 χ^2/NDF:69.7/57

All: -0.005+/-0.005 χ^2/NDF: 134.2/111



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: 37.372+/-0.007 χ^2/NDF: 4569099.8/33

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

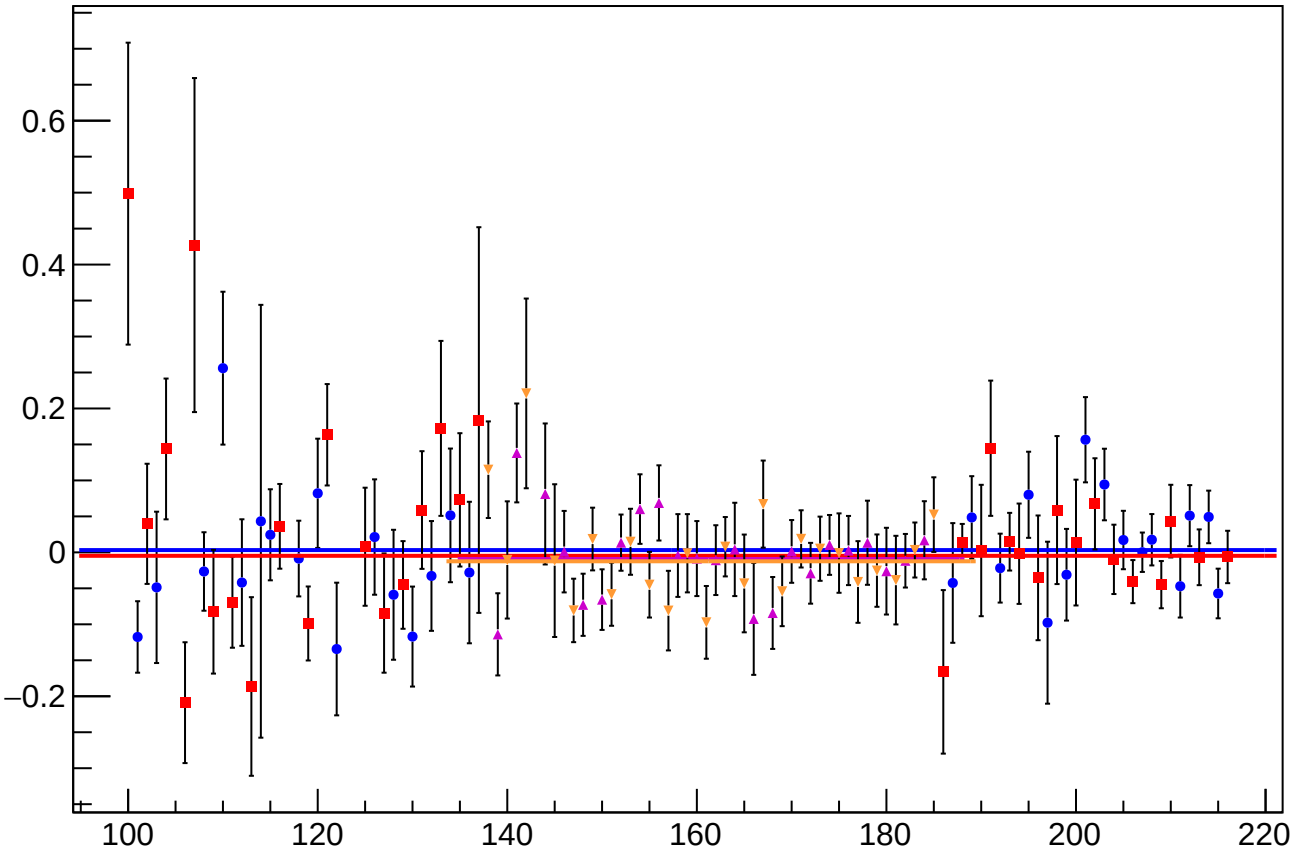
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 37.413+/-0.005 χ^2/NDF: 7865600.9/64

In: 39.365+/-0.005 χ^2/NDF:5072474.6/53

Out: 39.415+/-0.005 χ^2/NDF:6569888.9/57

All: 39.390+/-0.004 χ^2/NDF: 11642411.7/111



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: 47.5/33

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

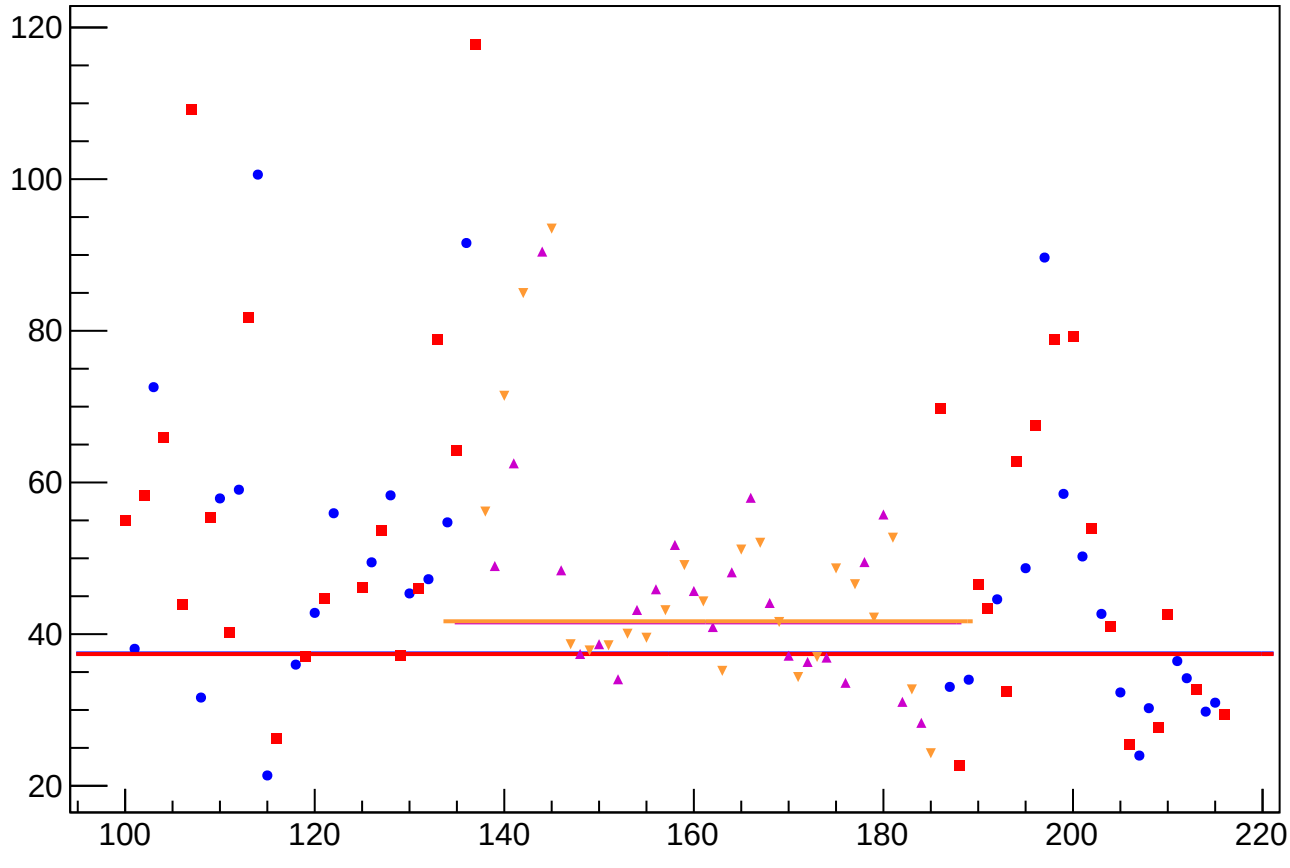
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.007 χ^2/NDF: 89.3/64

In: -0.003+/-0.007 χ^2/NDF:64.2/53

Out: -0.008+/-0.007 χ^2/NDF:69.7/57

All: -0.005+/-0.005 χ^2/NDF: 134.2/111



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: 37.372+/-0.007 χ^2/NDF: 4569099.8/33

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

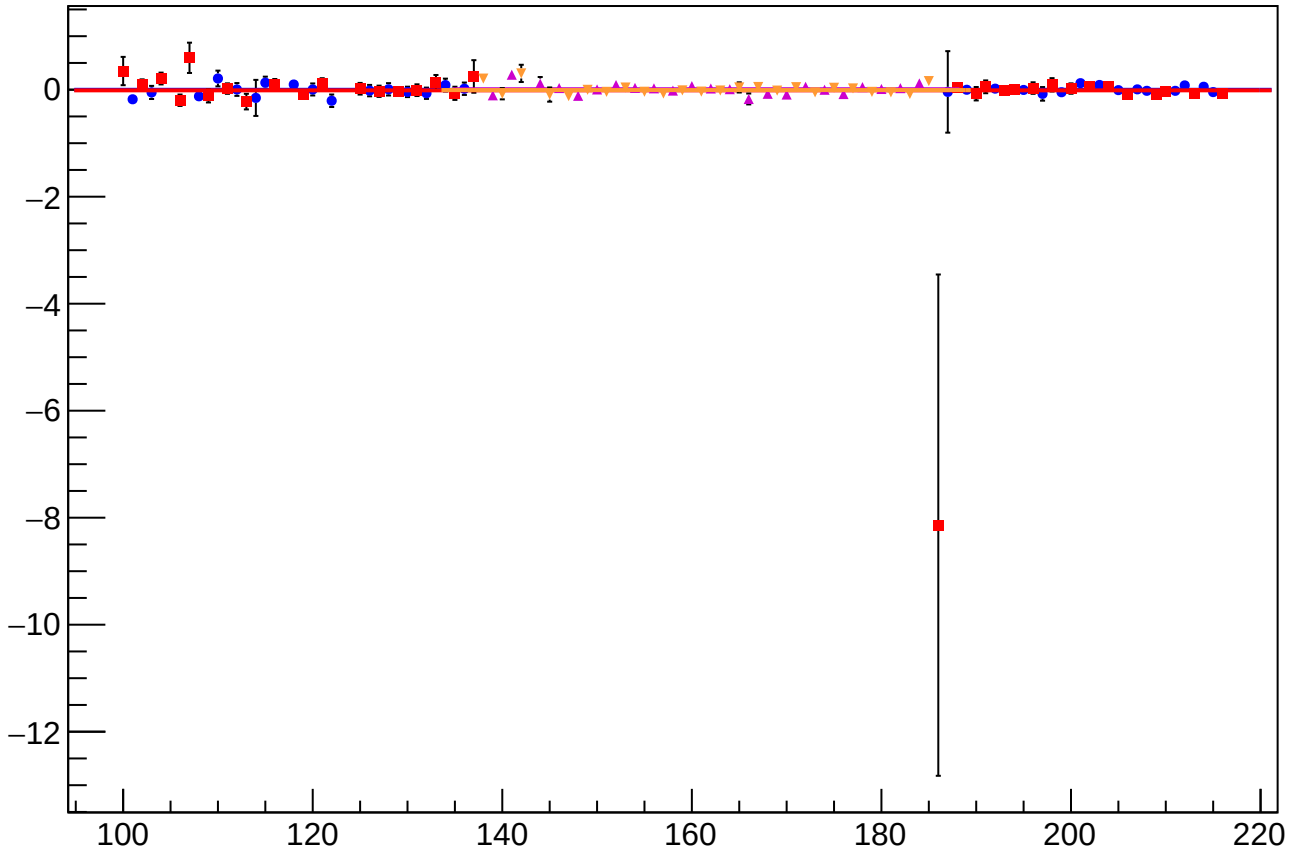
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 37.413+/-0.005 χ^2/NDF: 7865600.9/64

In: 39.365+/-0.005 χ^2/NDF:5072474.6/53

Out: 39.415+/-0.005 χ^2/NDF:6569888.9/57

All: 39.390+/-0.004 χ^2/NDF: 11642411.7/111



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: -0.012+/-0.015 χ^2/NDF: 38.0/33

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

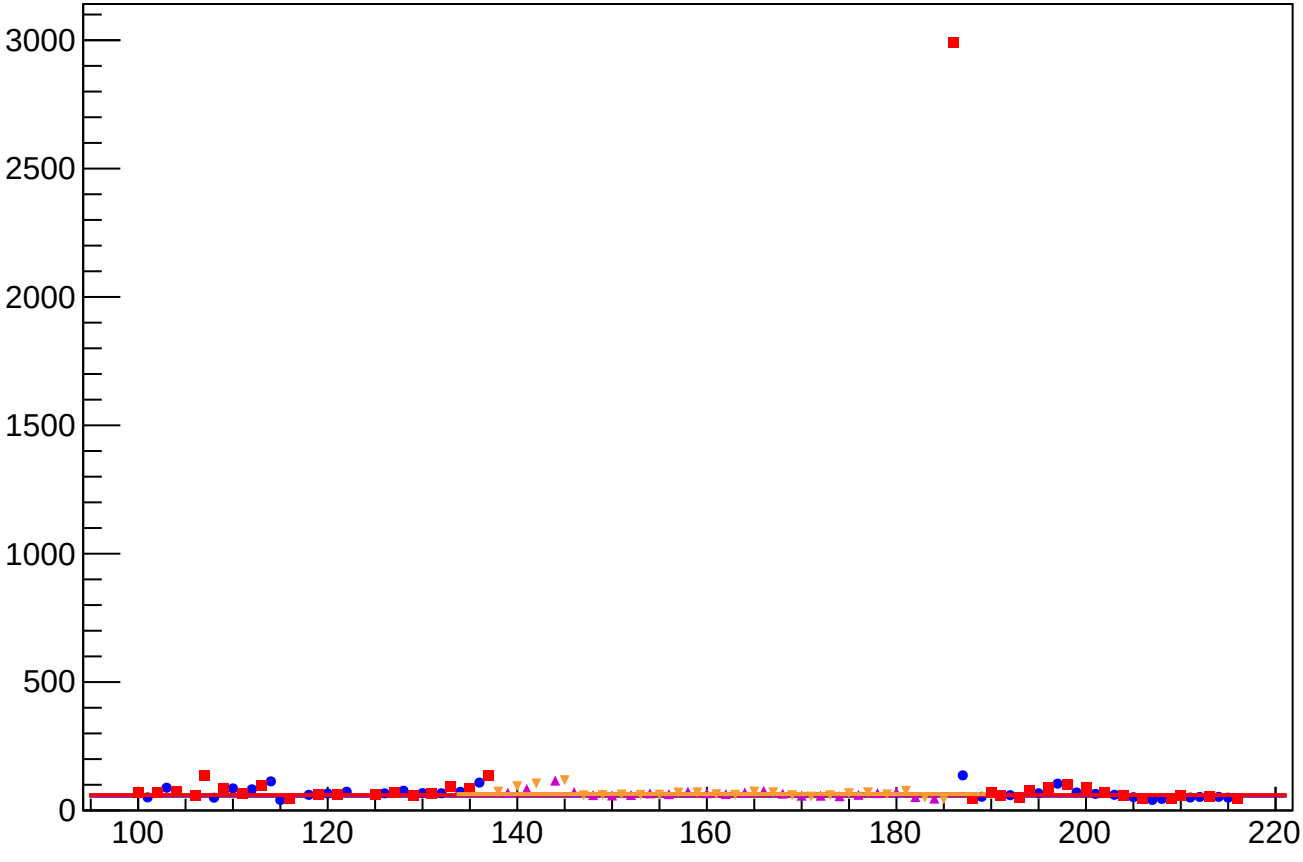
Right: -0.007+/-0.010 χ^2/NDF: 66.4/64

In: 0.002+/-0.010 χ^2/NDF:56.5/53

Out: -0.010+/-0.011 χ^2/NDF:61.7/57

All: -0.003+/-0.007 χ^2/NDF: 118.9/111

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: 59.760+/-0.010 χ^2/NDF: 2883725.0/33

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

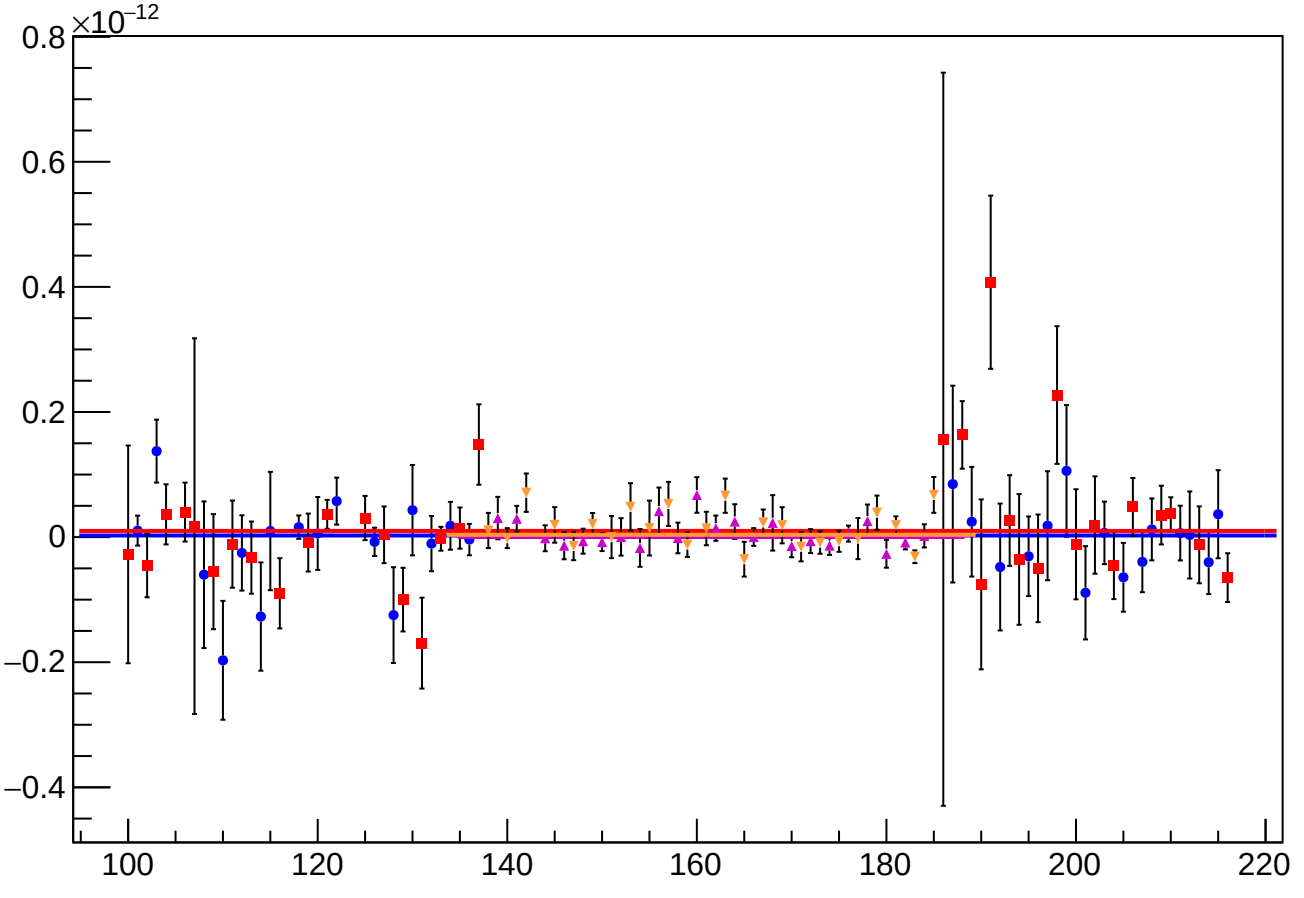
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 58.554+/-0.007 χ^2/NDF: 4814724.7/64

In: 60.440+/-0.007 χ^2/NDF:2941667.6/53

Out: 61.679+/-0.008 χ^2/NDF:4033626.1/57

All: 61.048+/-0.005 χ^2/NDF: 6989099.5/111



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: 52.3/33

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

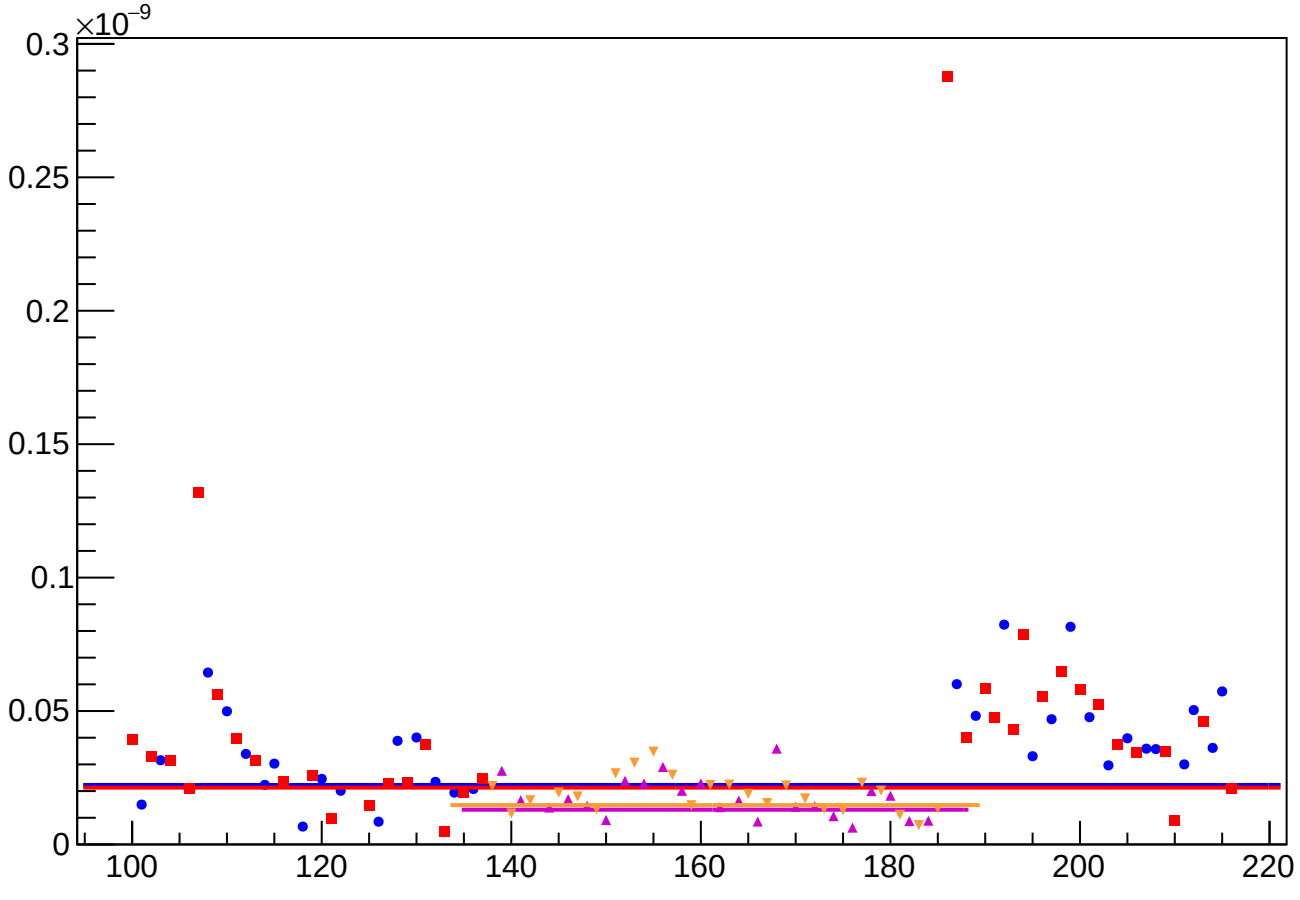
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 80.0/64

In: 0.000+/-0.000 χ^2/NDF:44.5/53

Out: 0.000+/-0.000 χ^2/NDF:93.4/57

All: 0.000+/-0.000 χ^2/NDF: 138.6/111



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: 7402048.6/33

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

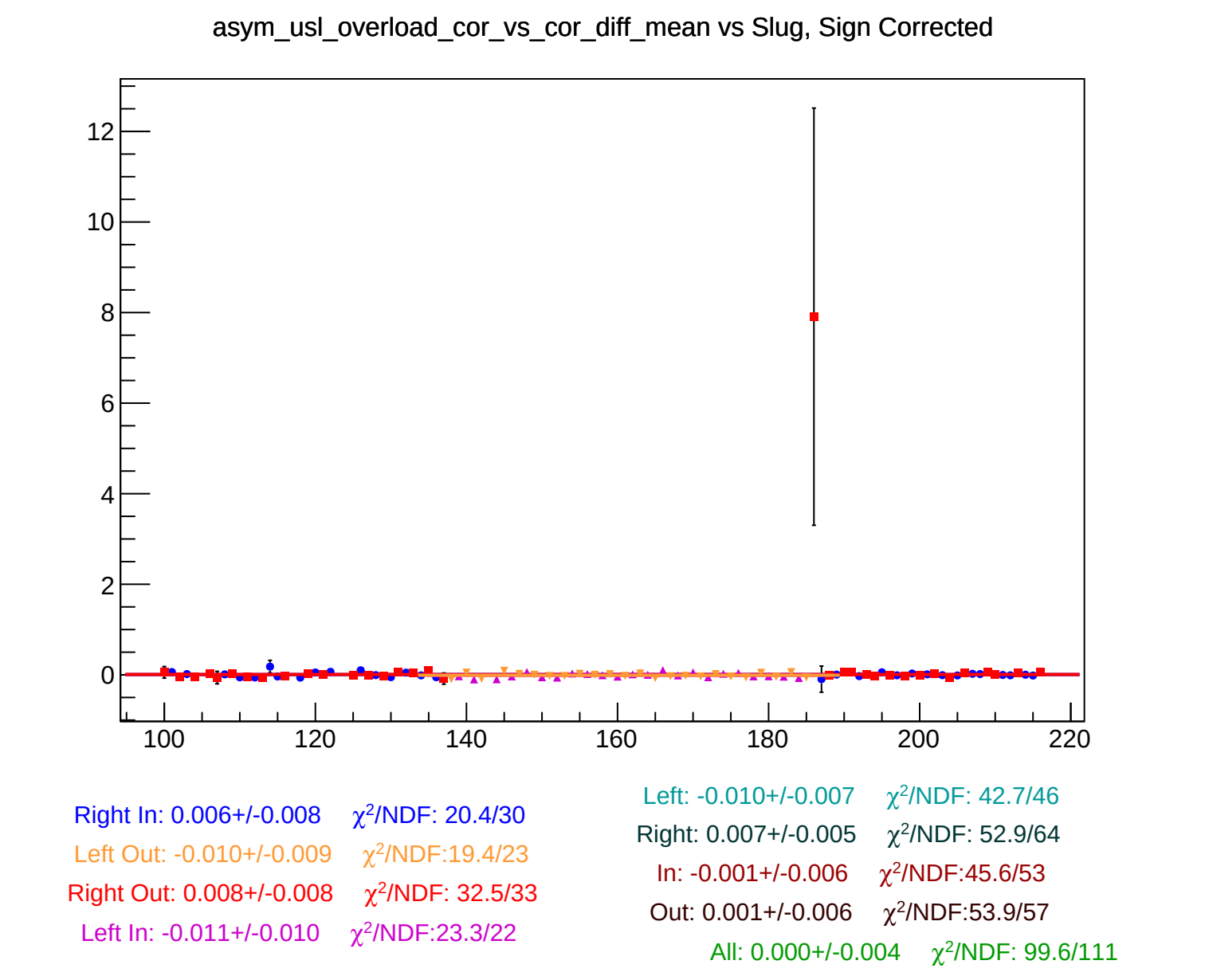
Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

Right: 0.000+/-0.000 χ^2/NDF: 14225473.0/64

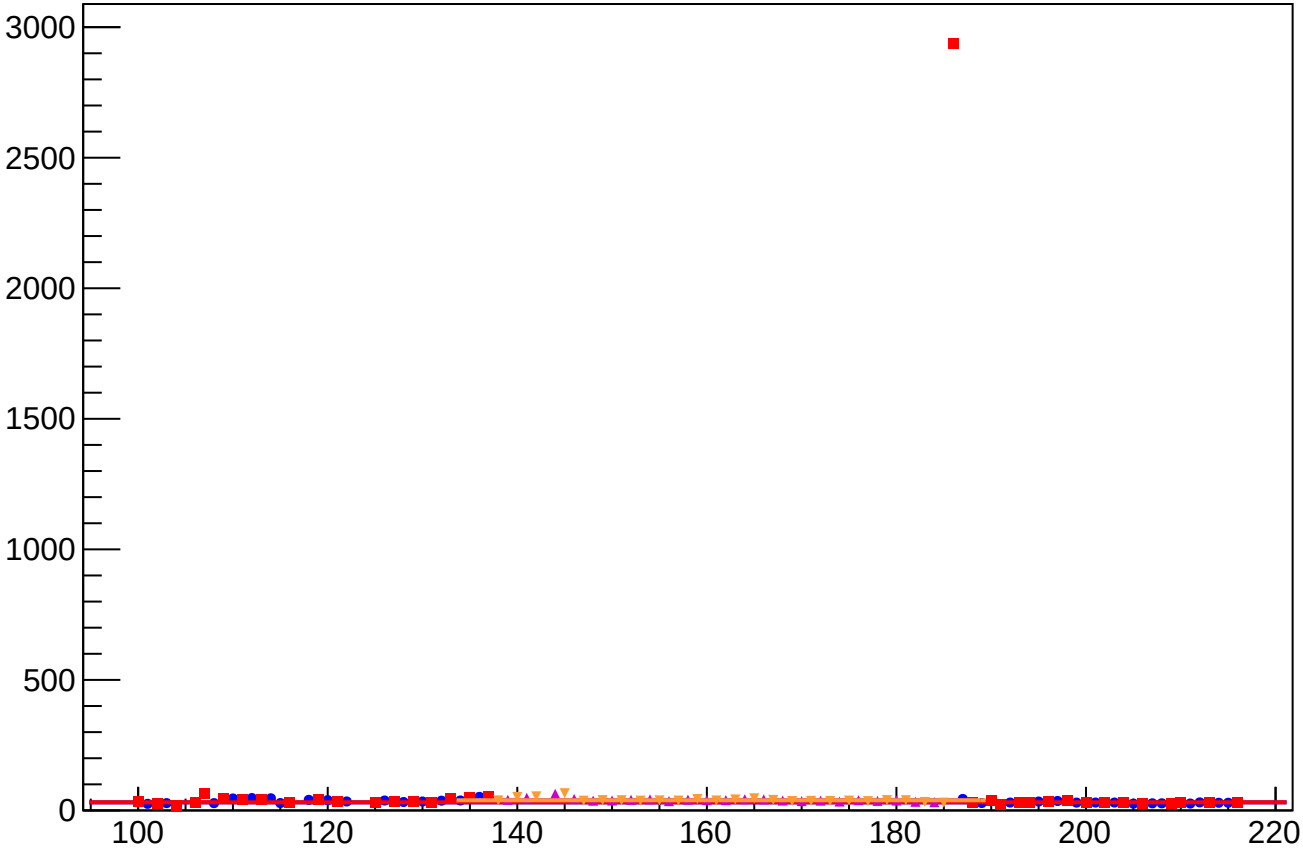
In: 0.000+/-0.000 χ^2/NDF:12874383.9/53

Out: 0.000+/-0.000 χ^2/NDF:11946606.1/57

All: 0.000+/-0.000 χ^2/NDF: 24948196.6/111


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.006+/-0.008 χ²/NDF: 20.4/30
Left Out: -0.010+/-0.009 χ²/NDF:19.4/23
Right Out: 0.008+/-0.008 χ²/NDF: 32.5/33
Left In: -0.011+/-0.010 χ²/NDF:23.3/22
Left: -0.010+/-0.007 χ²/NDF: 42.7/46
Right: 0.007+/-0.005 χ²/NDF: 52.9/64
In: -0.001+/-0.006 χ²/NDF:45.6/53
Out: 0.001+/-0.006 χ²/NDF:53.9/57
All: 0.000+/-0.004 χ²/NDF: 99.6/111

asym_usl_overload_cor_vs_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: 31.335+/-0.005 χ^2/NDF: 1993786.6/33

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

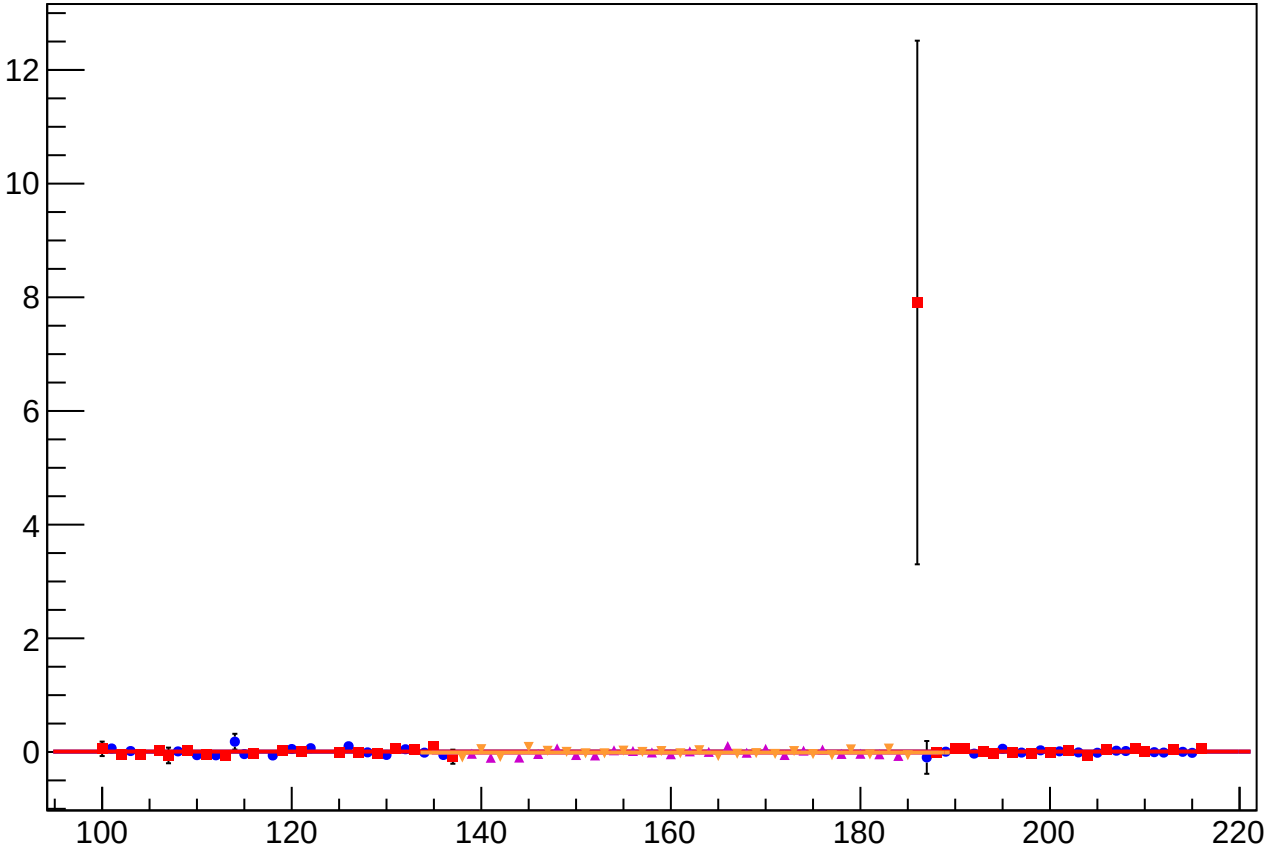
Right: 31.121+/-0.004 χ^2/NDF: 2968437.7/64

In: 34.065+/-0.004 χ^2/NDF:2418408.8/53

Out: 34.329+/-0.004 χ^2/NDF:3410193.7/57

All: 34.196+/-0.003 χ^2/NDF: 5830594.3/111

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: 0.008+/-0.008 χ^2/NDF: 32.5/33

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

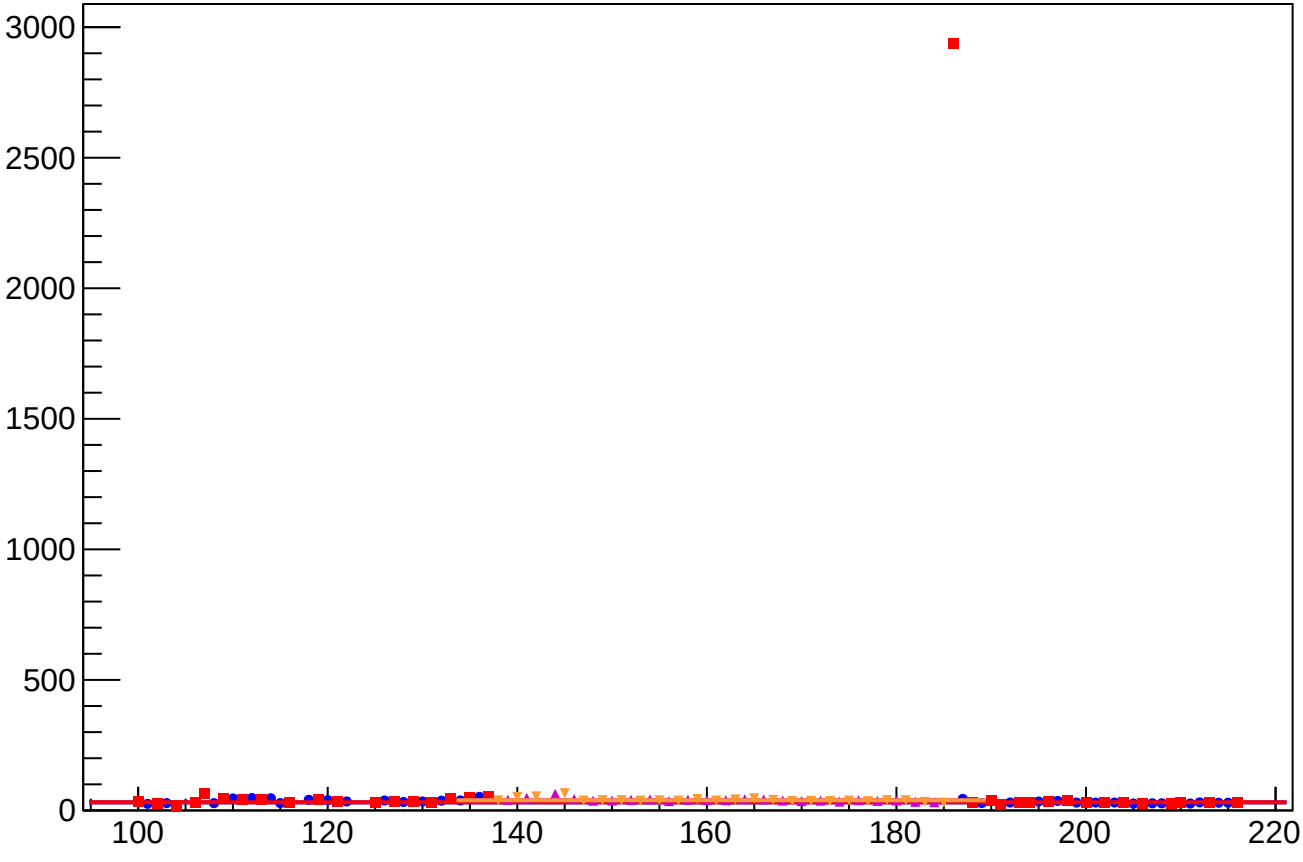
Right: 0.007+/-0.005 χ^2/NDF: 52.9/64

In: -0.001+/-0.006 χ^2/NDF:45.6/53

Out: 0.001+/-0.006 χ^2/NDF:53.9/57

All: 0.000+/-0.004 χ^2/NDF: 99.6/111

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: 31.335+/-0.005 χ^2/NDF: 1993786.6/33

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

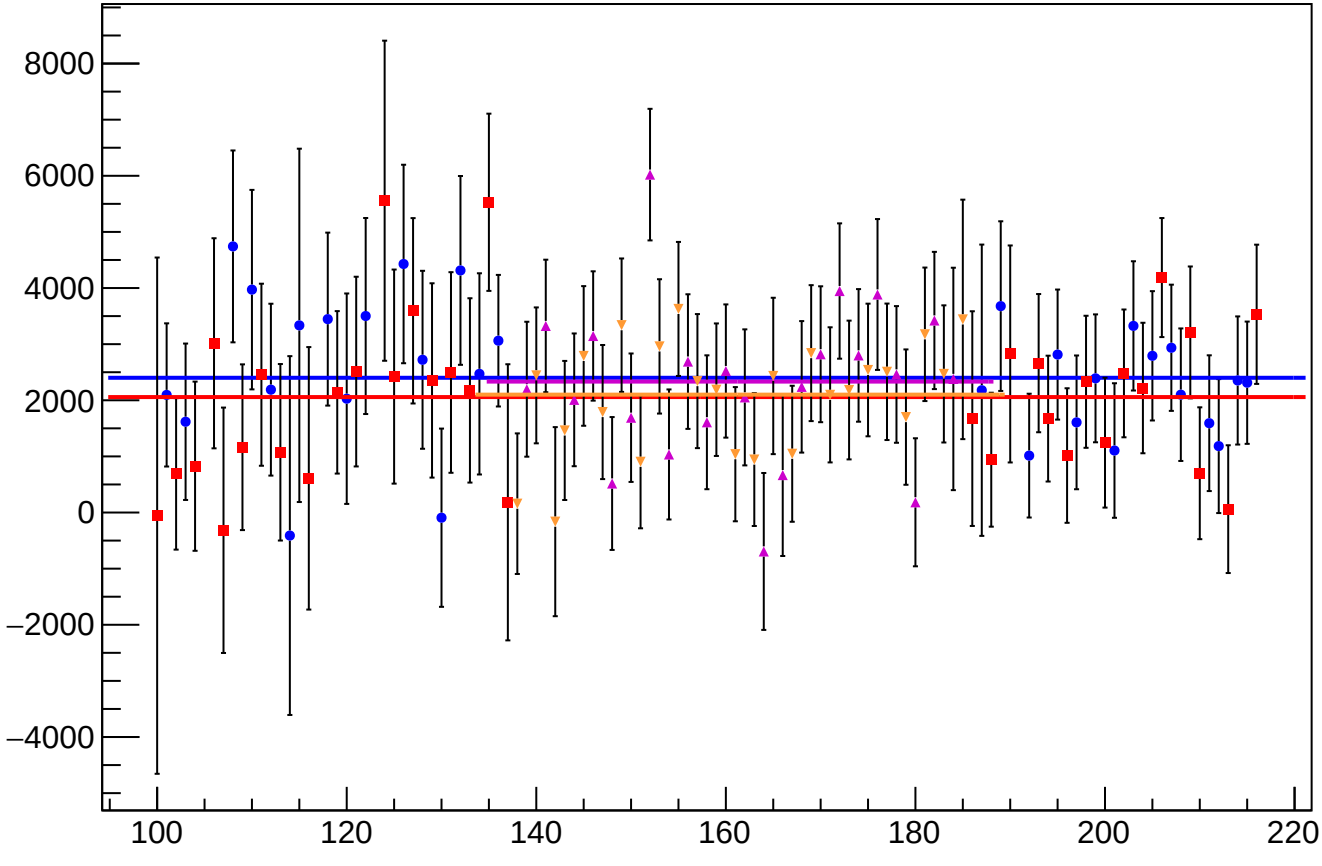
Right: 31.121+/-0.004 χ^2/NDF: 2968437.7/64

In: 34.065+/-0.004 χ^2/NDF:2418408.8/53

Out: 34.329+/-0.004 χ^2/NDF:3410193.7/57

All: 34.196+/-0.003 χ^2/NDF: 5830594.3/111

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: 2057.221+/-247.941 χ^2/NDF: 26.2/33

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

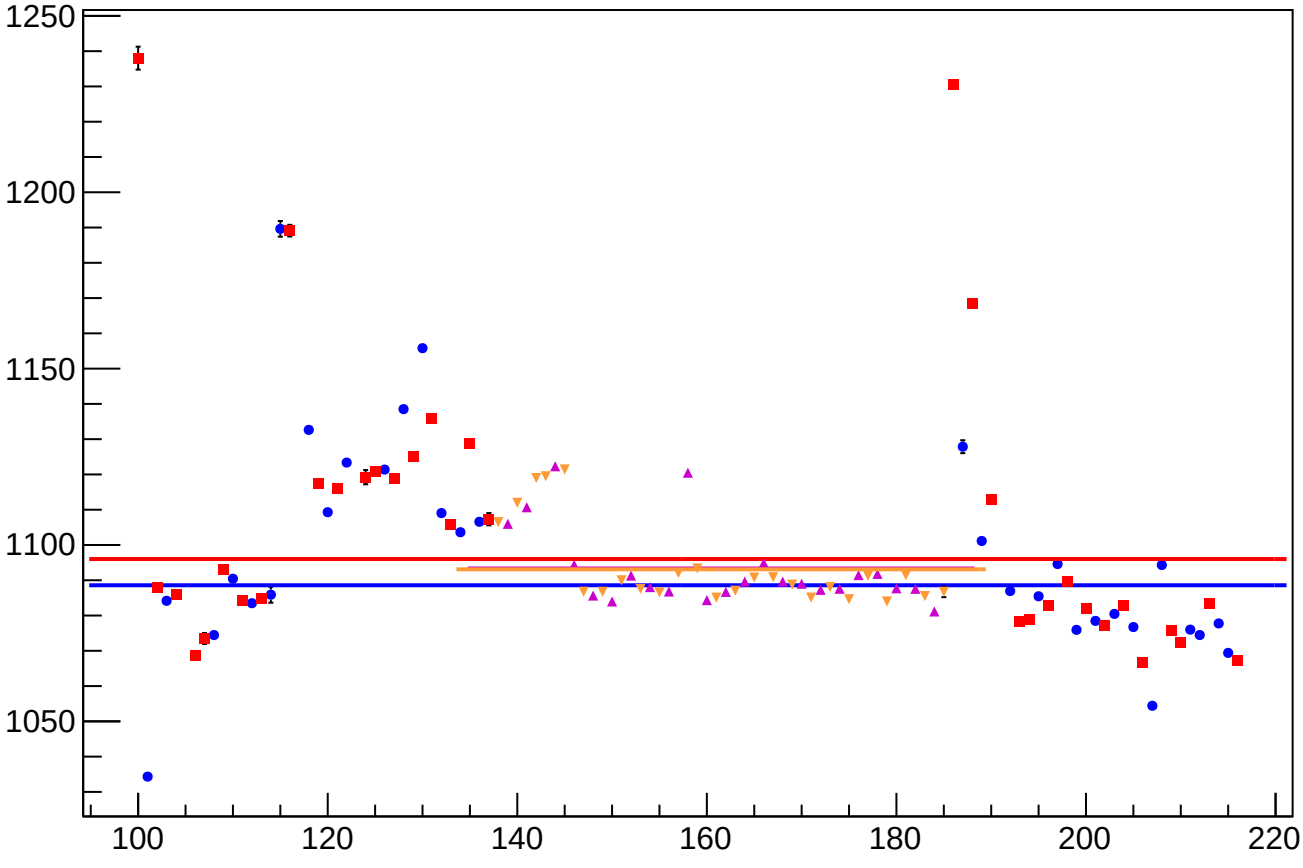
Right: 2229.235+/-175.264 χ^2/NDF: 44.0/64

In: 2368.006+/-177.801 χ^2/NDF:46.3/53

Out: 2078.778+/-175.450 χ^2/NDF:40.1/58

All: 2221.467+/-124.885 χ^2/NDF: 87.8/112

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: 1096.017+/-0.175 χ^2/NDF: 34155.9/33

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

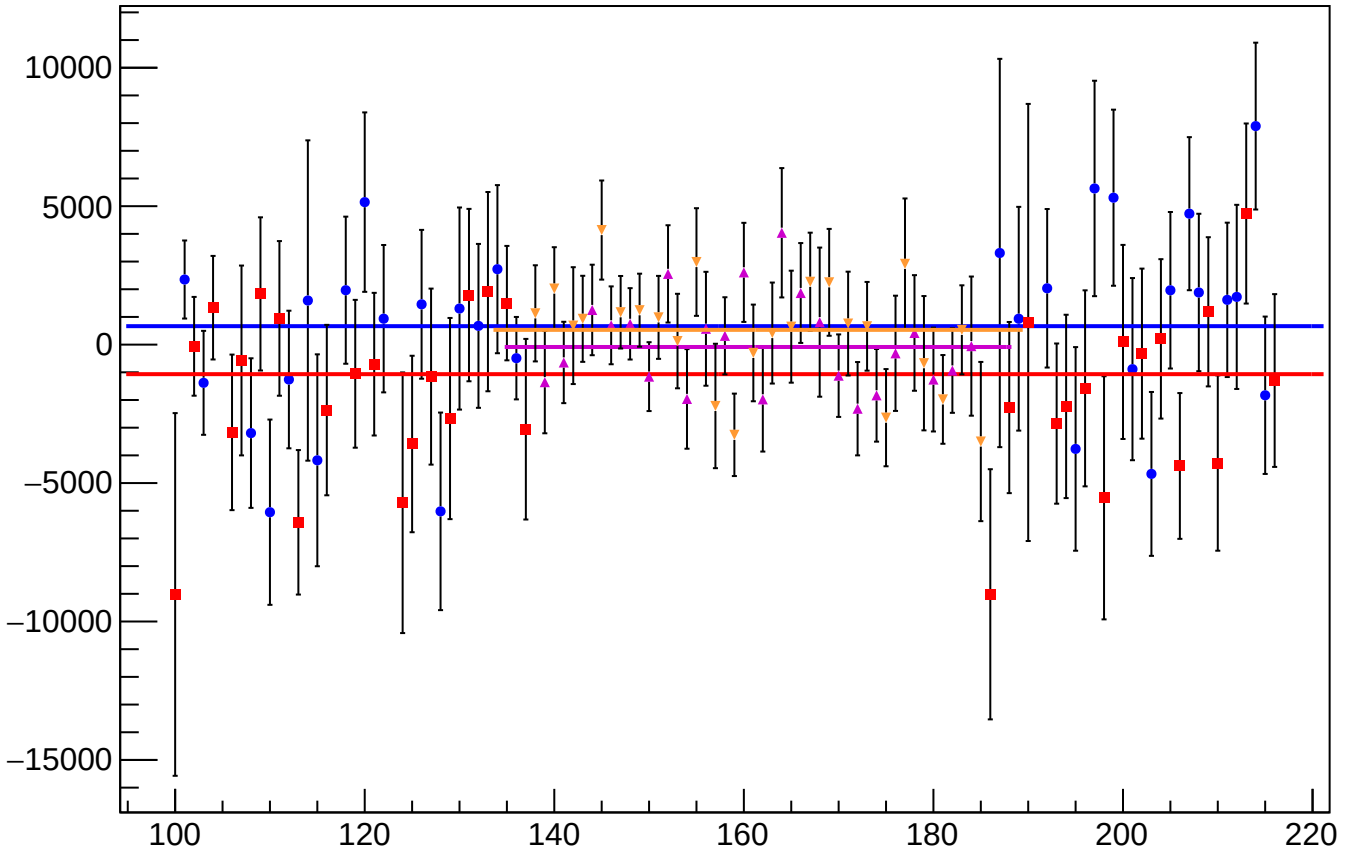
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1092.297+/-0.124 χ^2/NDF: 55304.5/64

In: 1090.889+/-0.126 χ^2/NDF:24331.9/53

Out: 1094.562+/-0.124 χ^2/NDF:38277.1/58

All: 1092.750+/-0.088 χ^2/NDF: 63041.4/112



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: -1066.771+/-508.718 χ^2/NDF: 27.0/33

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

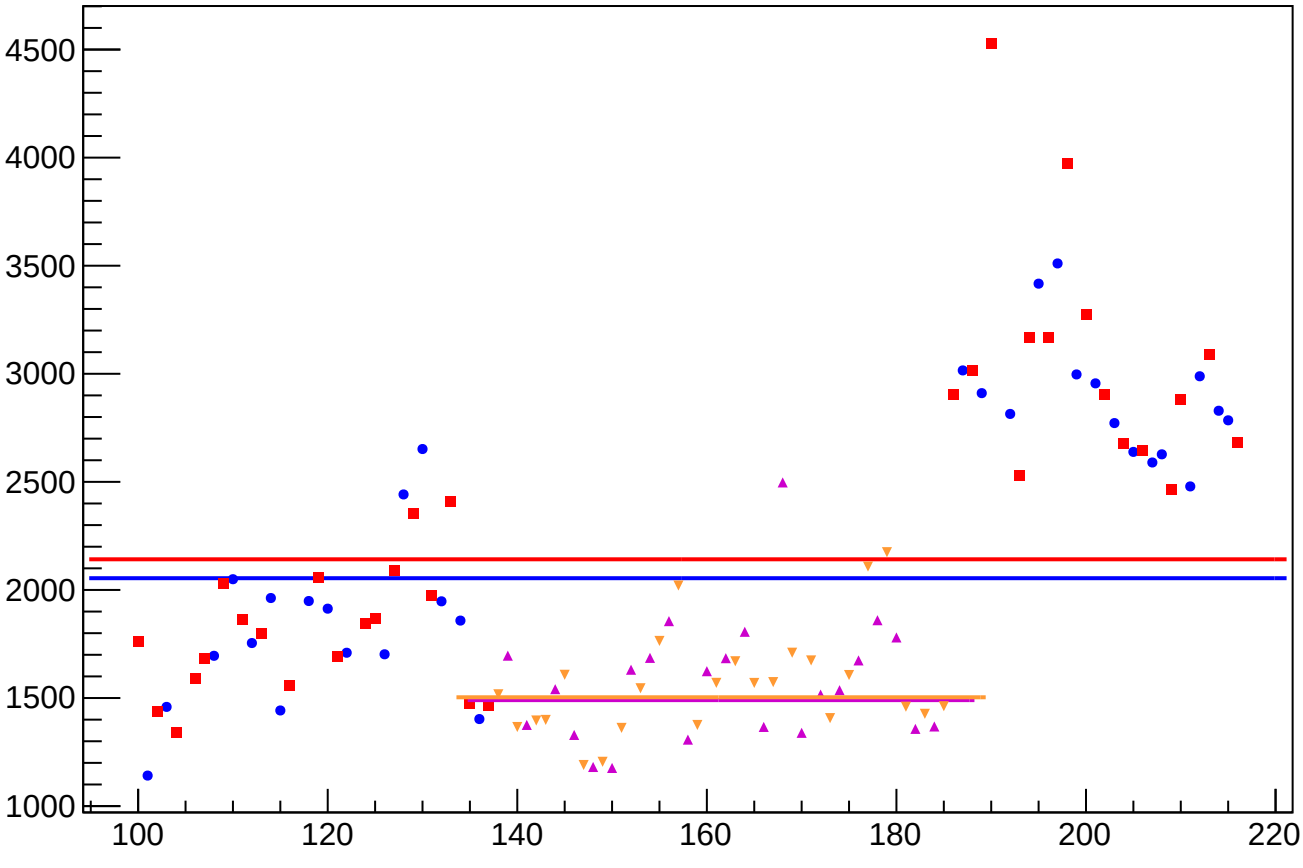
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -174.467+/-354.361 χ^2/NDF: 69.1/64

In: 169.796+/-287.690 χ^2/NDF:55.7/53

Out: 24.565+/-286.788 χ^2/NDF:60.2/58

All: 96.953+/-203.108 χ^2/NDF: 116.1/112



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: 2141.769+/-0.360 χ^2/NDF: 3320077.7/33

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

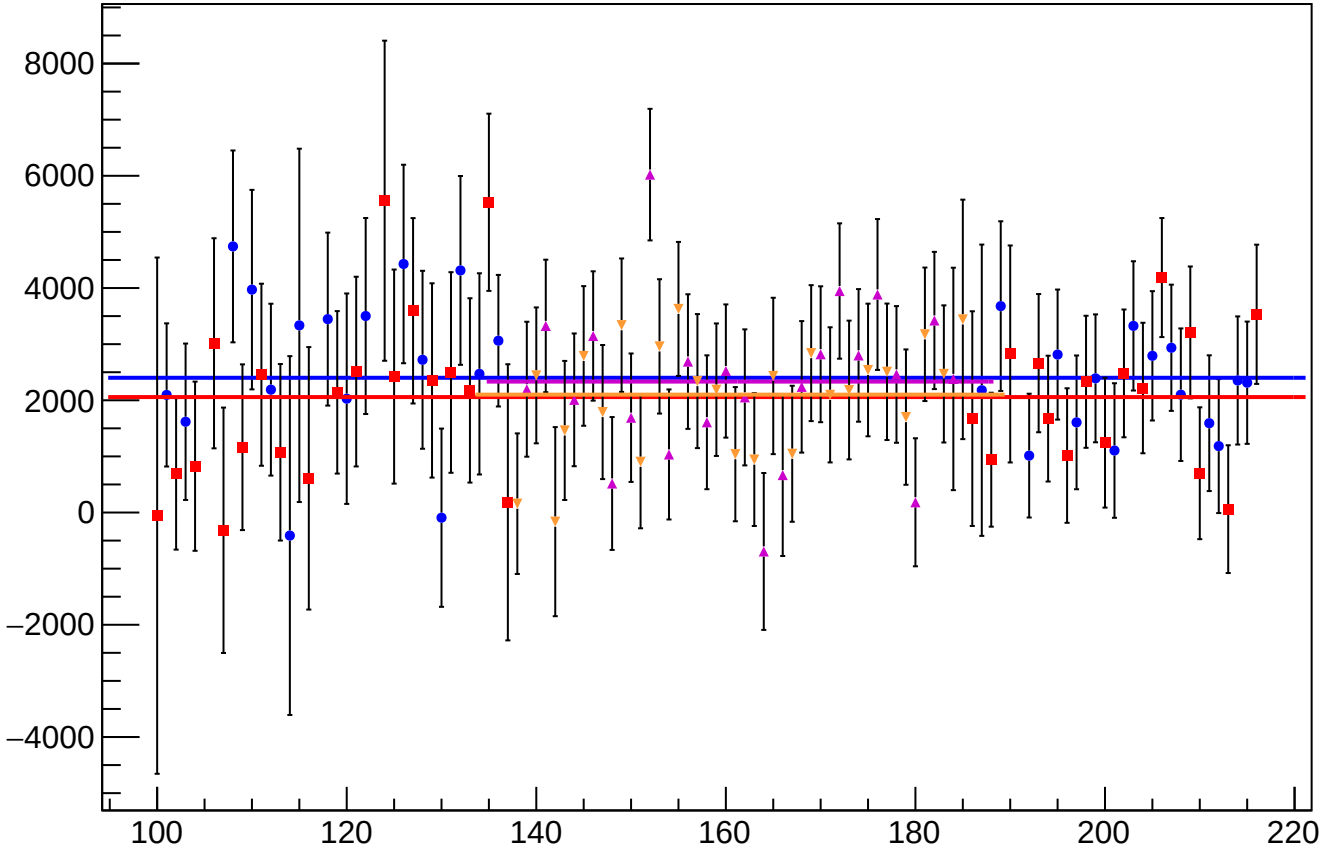
Right: 2096.765+/-0.251 χ^2/NDF: 7030151.9/64

In: 1681.689+/-0.203 χ^2/NDF:6371247.0/53

Out: 1706.305+/-0.203 χ^2/NDF:6267946.0/58

All: 1694.036+/-0.144 χ^2/NDF: 12646537.1/1

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: 2057.221+/-247.941 χ^2/NDF: 26.2/33

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

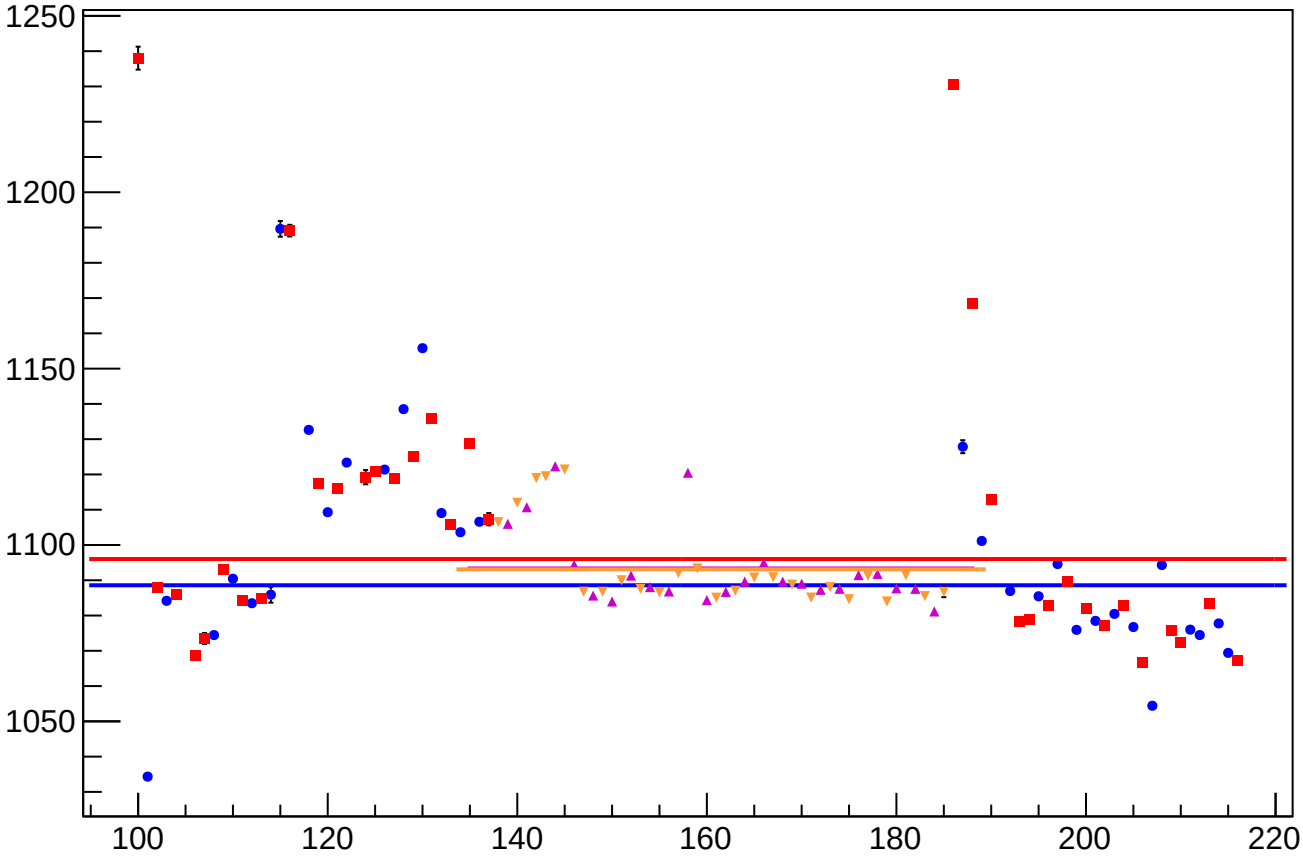
Right: 2229.235+/-175.264 χ^2/NDF: 44.0/64

In: 2368.006+/-177.801 χ^2/NDF:46.3/53

Out: 2078.778+/-175.450 χ^2/NDF:40.1/58

All: 2221.467+/-124.885 χ^2/NDF: 87.8/112

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: 1096.017+/-0.175 χ^2/NDF: 34155.9/33

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

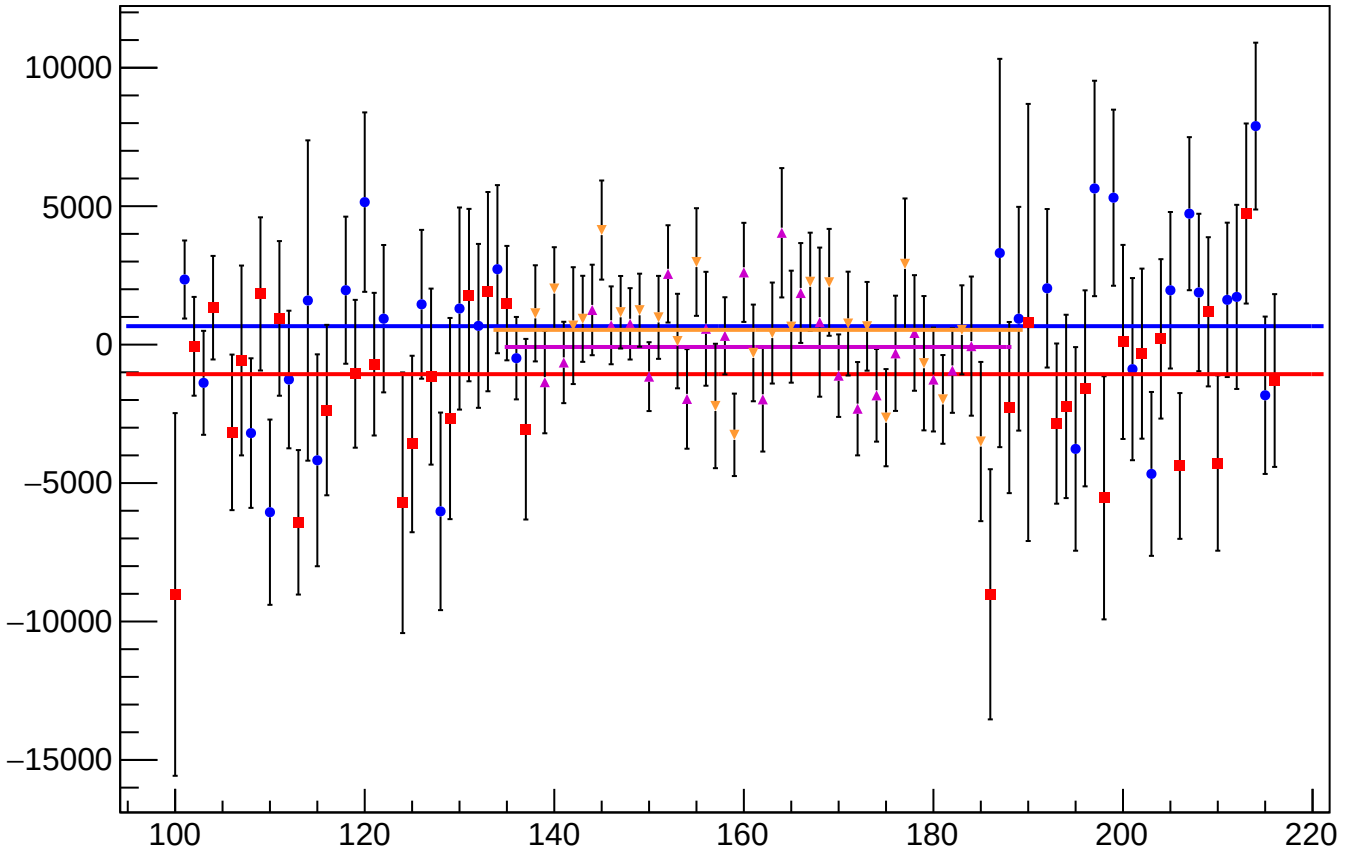
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1092.297+/-0.124 χ^2/NDF: 55304.5/64

In: 1090.889+/-0.126 χ^2/NDF:24331.9/53

Out: 1094.562+/-0.124 χ^2/NDF:38277.1/58

All: 1092.750+/-0.088 χ^2/NDF: 63041.4/112



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: -1066.771+/-508.718 χ^2/NDF: 27.0/33

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

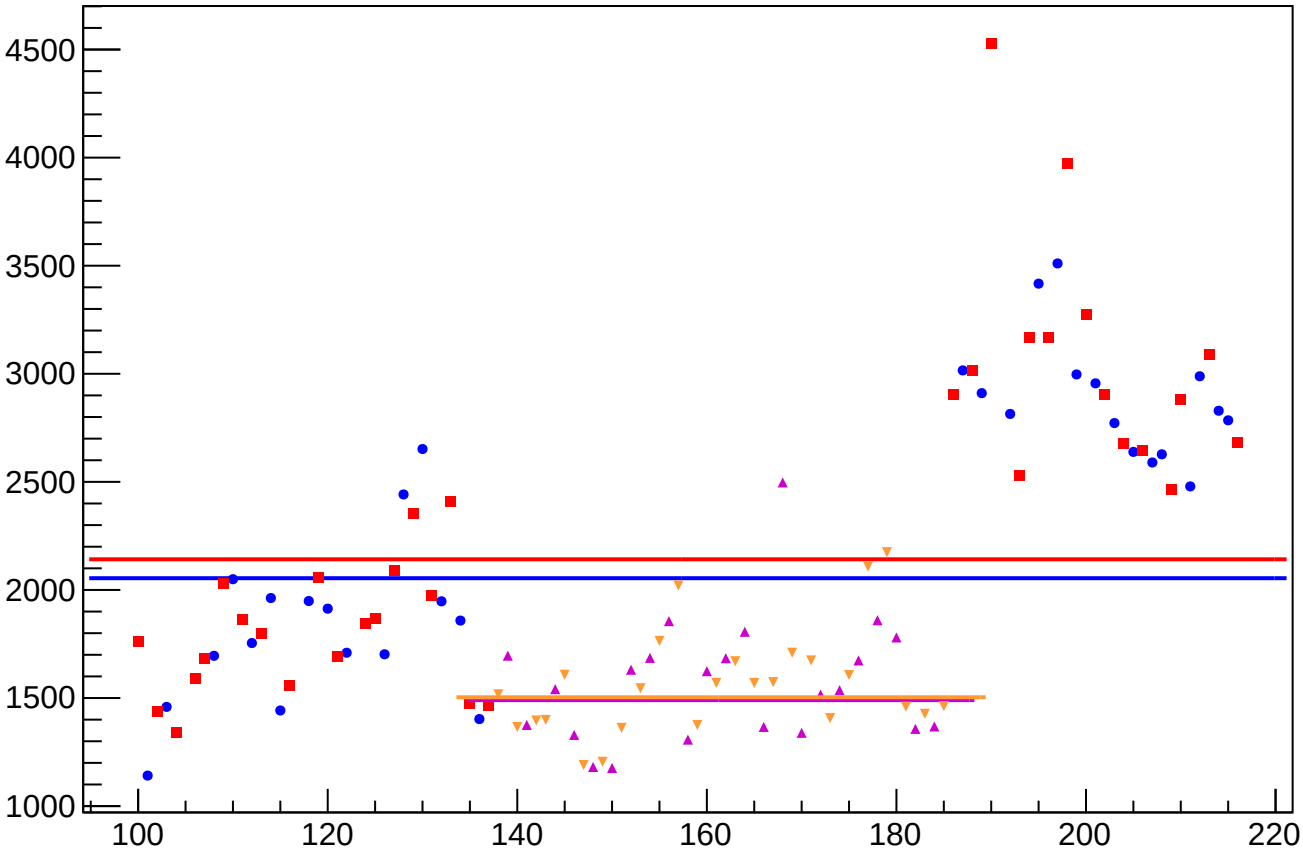
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -174.467+/-354.361 χ^2/NDF: 69.1/64

In: 169.796+/-287.690 χ^2/NDF:55.7/53

Out: 24.565+/-286.788 χ^2/NDF:60.2/58

All: 96.953+/-203.108 χ^2/NDF: 116.1/112



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: 2141.769+/-0.360 χ^2/NDF: 3320077.7/33

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

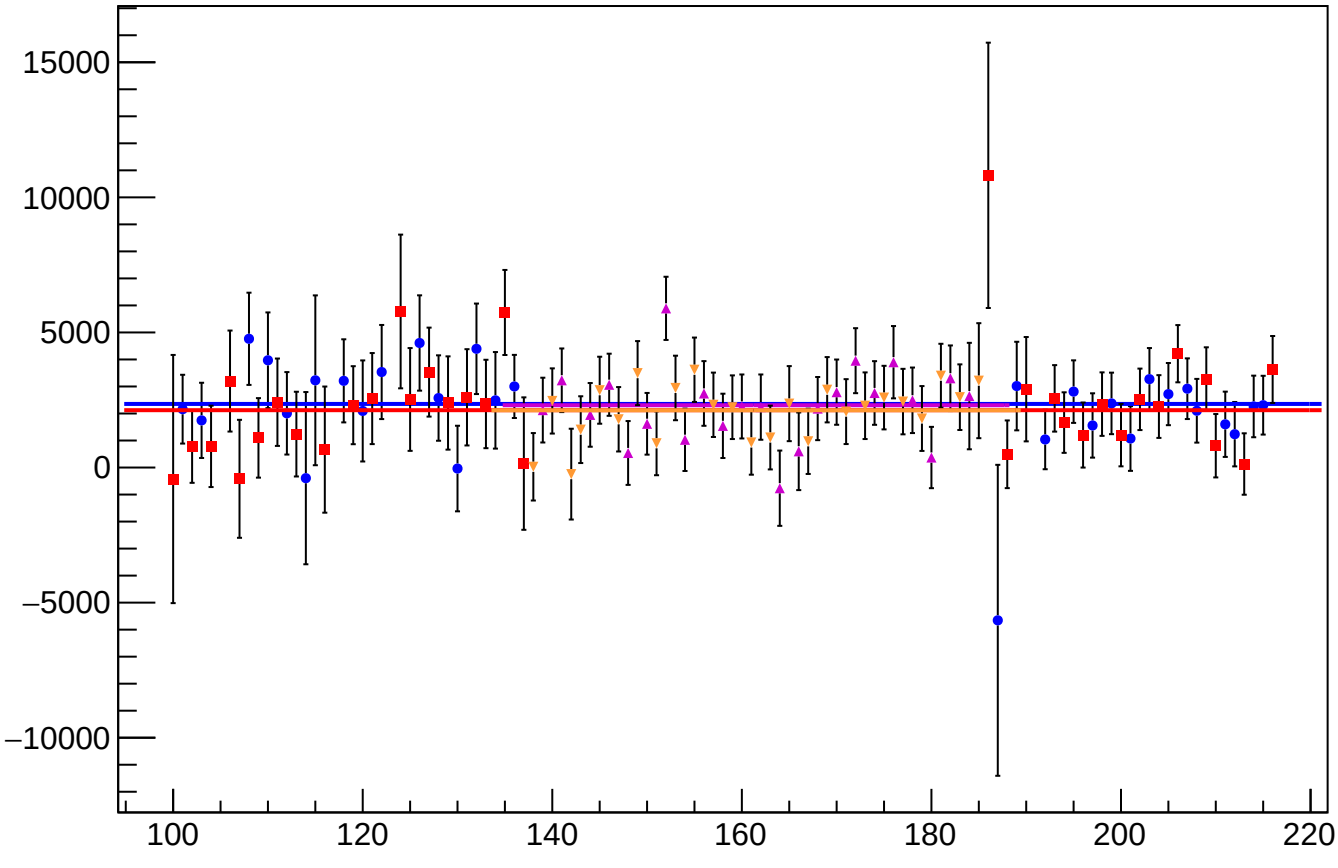
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2096.765+/-0.251 χ^2/NDF: 7030151.9/64

In: 1681.689+/-0.203 χ^2/NDF:6371247.0/53

Out: 1706.305+/-0.203 χ^2/NDF:6267946.0/58

All: 1694.036+/-0.144 χ^2/NDF: 12646537.1/1



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: 2122.632+/-249.892 χ^2/NDF: 30.9/33

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

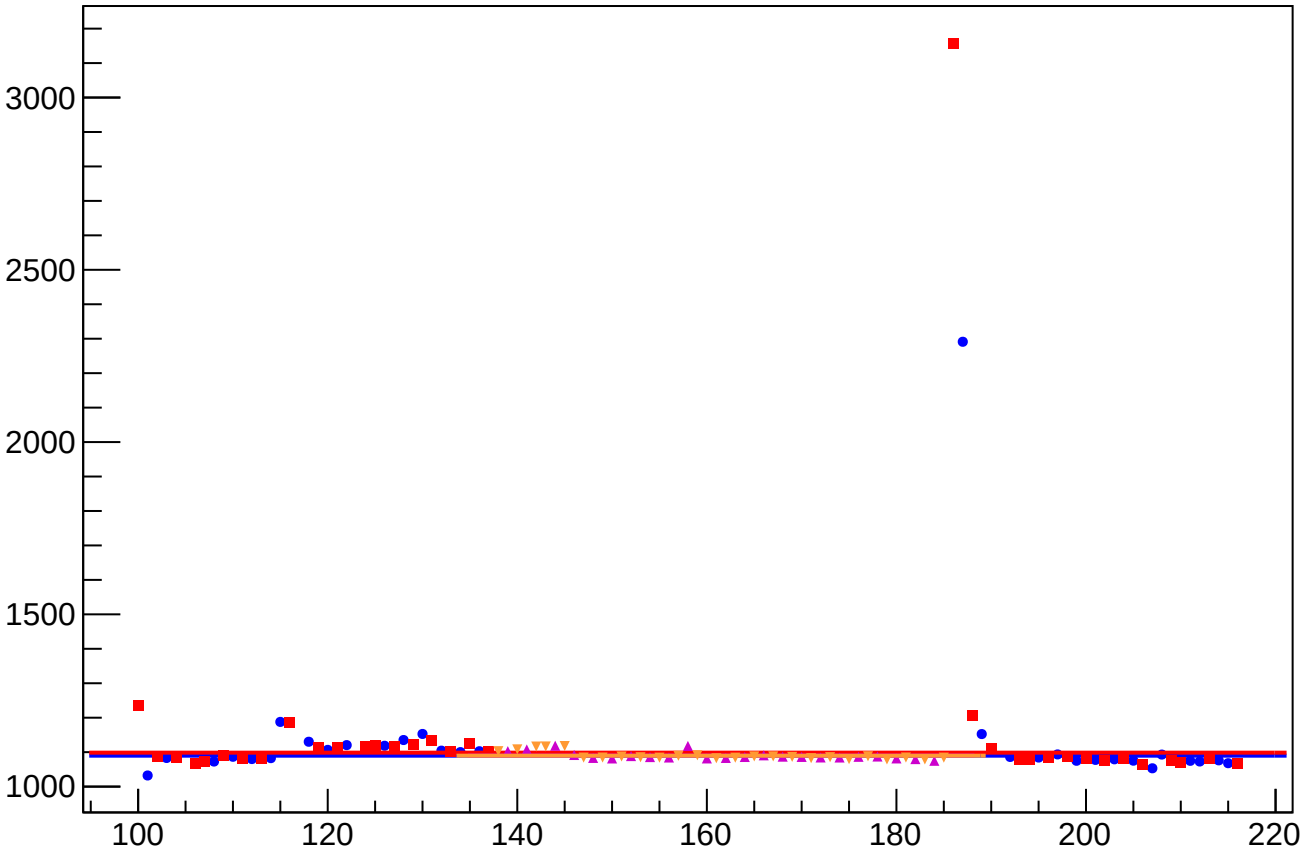
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2238.850+/-176.304 χ^2/NDF: 49.4/64

In: 2330.274+/-177.899 χ^2/NDF:46.5/53

Out: 2121.290+/-175.864 χ^2/NDF:46.0/58

All: 2224.580+/-125.068 χ^2/NDF: 93.2/112



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: 1098.548+/-0.177 χ^2/NDF: 383731.7/33

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

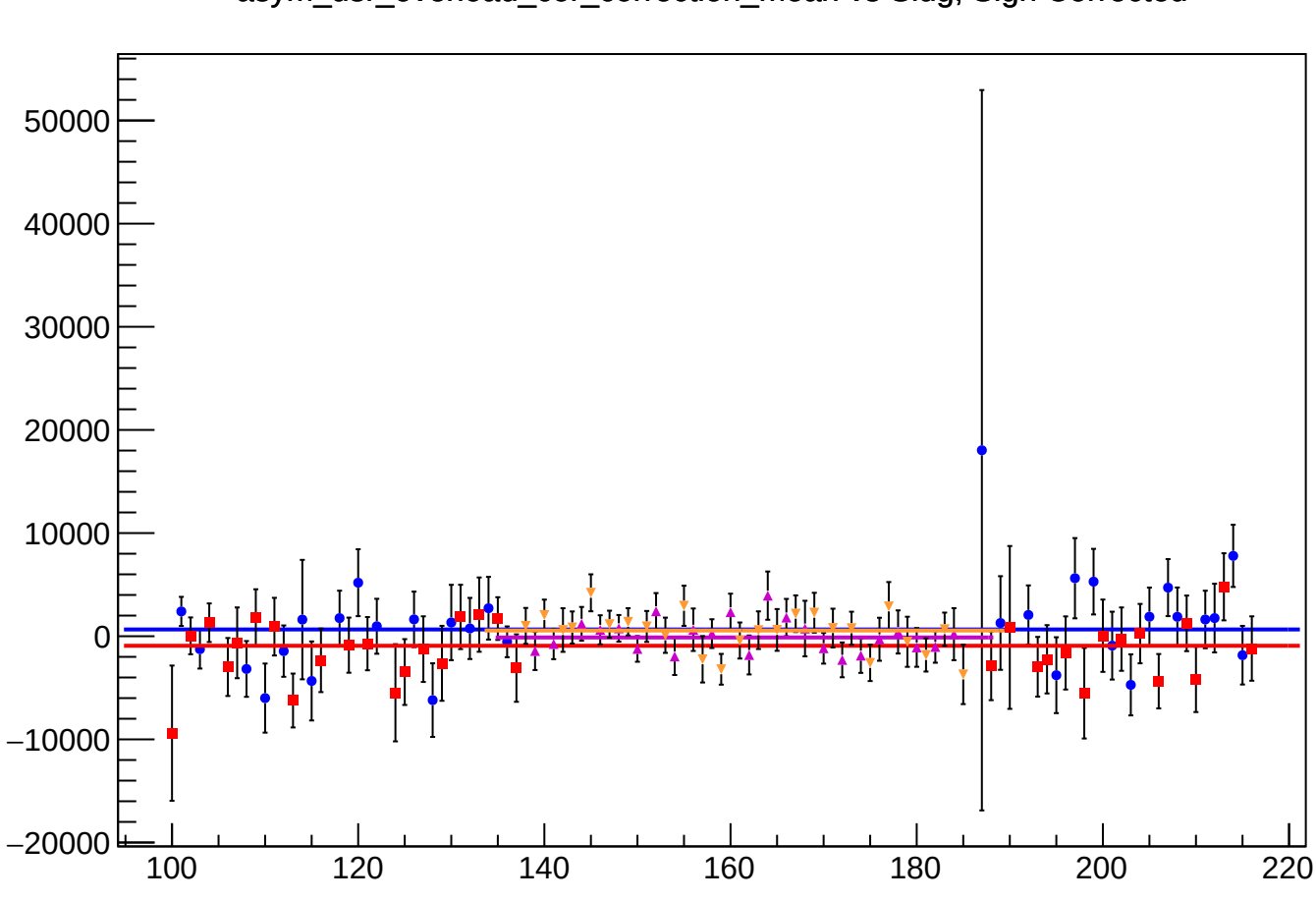
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1094.151+/-0.125 χ^2/NDF: 494458.0/64

In: 1089.877+/-0.126 χ^2/NDF:113389.9/53

Out: 1094.104+/-0.124 χ^2/NDF:389042.5/58

All: 1092.015+/-0.088 χ^2/NDF: 503003.5/112



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: -923.933+/-513.326 χ^2/NDF: 24.0/32

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

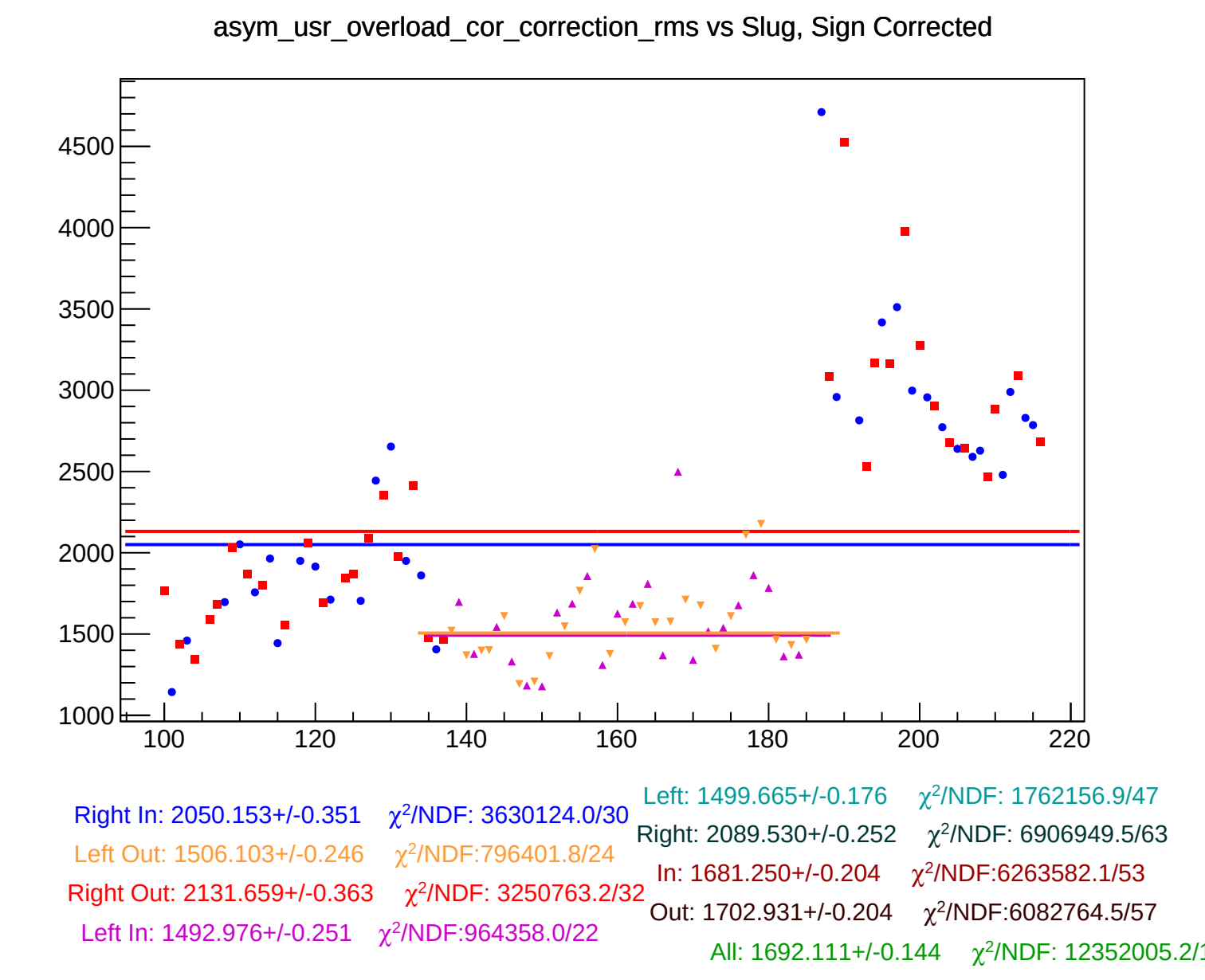
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -107.784+/-356.797 χ^2/NDF: 65.3/63

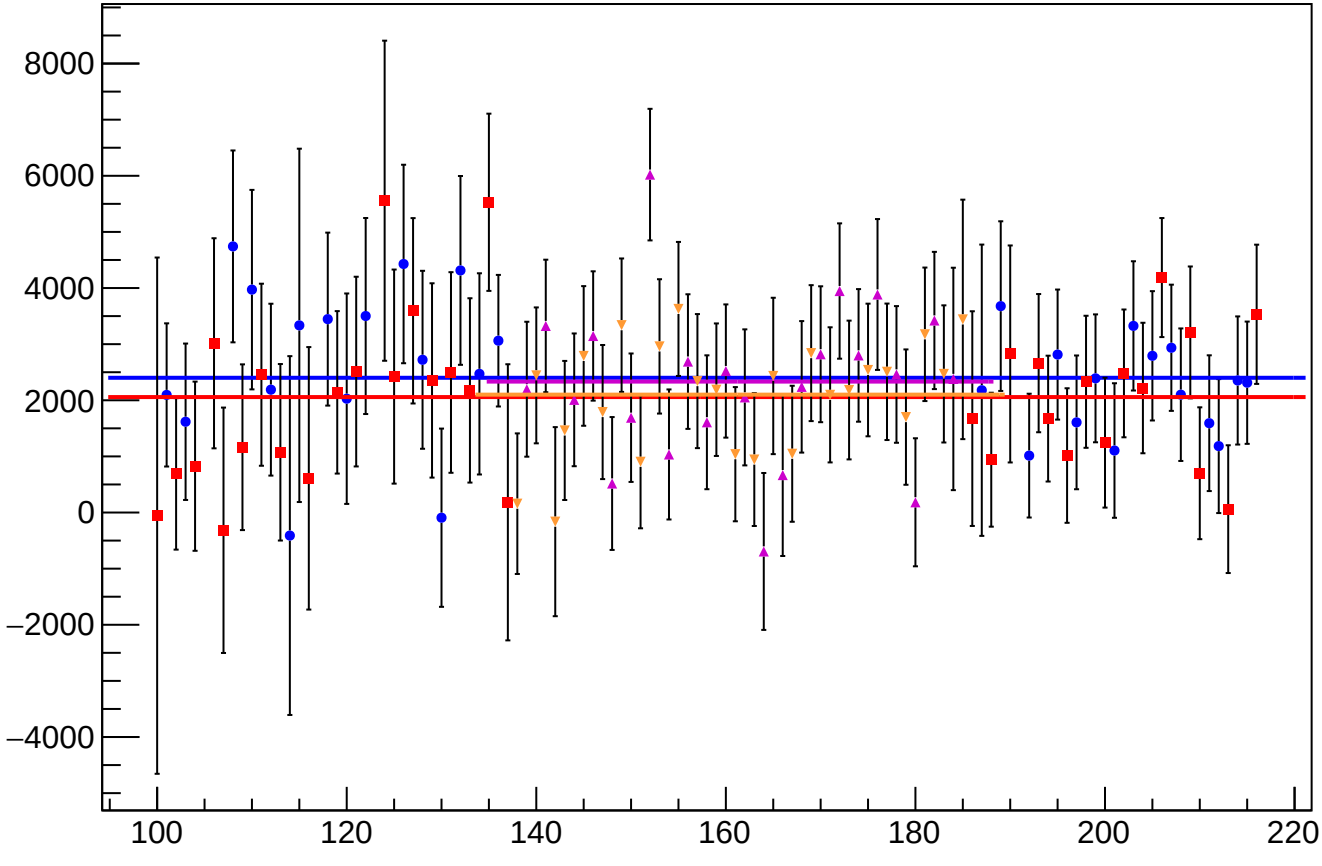
In: 140.958+/-288.486 χ^2/NDF:55.1/53

Out: 88.812+/-287.941 χ^2/NDF:55.8/57

All: 114.835+/-203.797 χ^2/NDF: 111.0/111


asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 2050.153+/-0.351 χ²/NDF: 3630124.0/30
Left Out: 1506.103+/-0.246 χ²/NDF:796401.8/24
Right Out: 2131.659+/-0.363 χ²/NDF: 3250763.2/32
Left In: 1492.976+/-0.251 χ²/NDF:964358.0/22
Left: 1499.665+/-0.176 χ²/NDF: 1762156.9/47
Right: 2089.530+/-0.252 χ²/NDF: 6906949.5/63
In: 1681.250+/-0.204 χ²/NDF:6263582.1/53
Out: 1702.931+/-0.204 χ²/NDF:6082764.5/57
All: 1692.111+/-0.144 χ²/NDF: 12352005.2/1

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: 2057.221+/-247.941 χ^2/NDF: 26.2/33

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

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

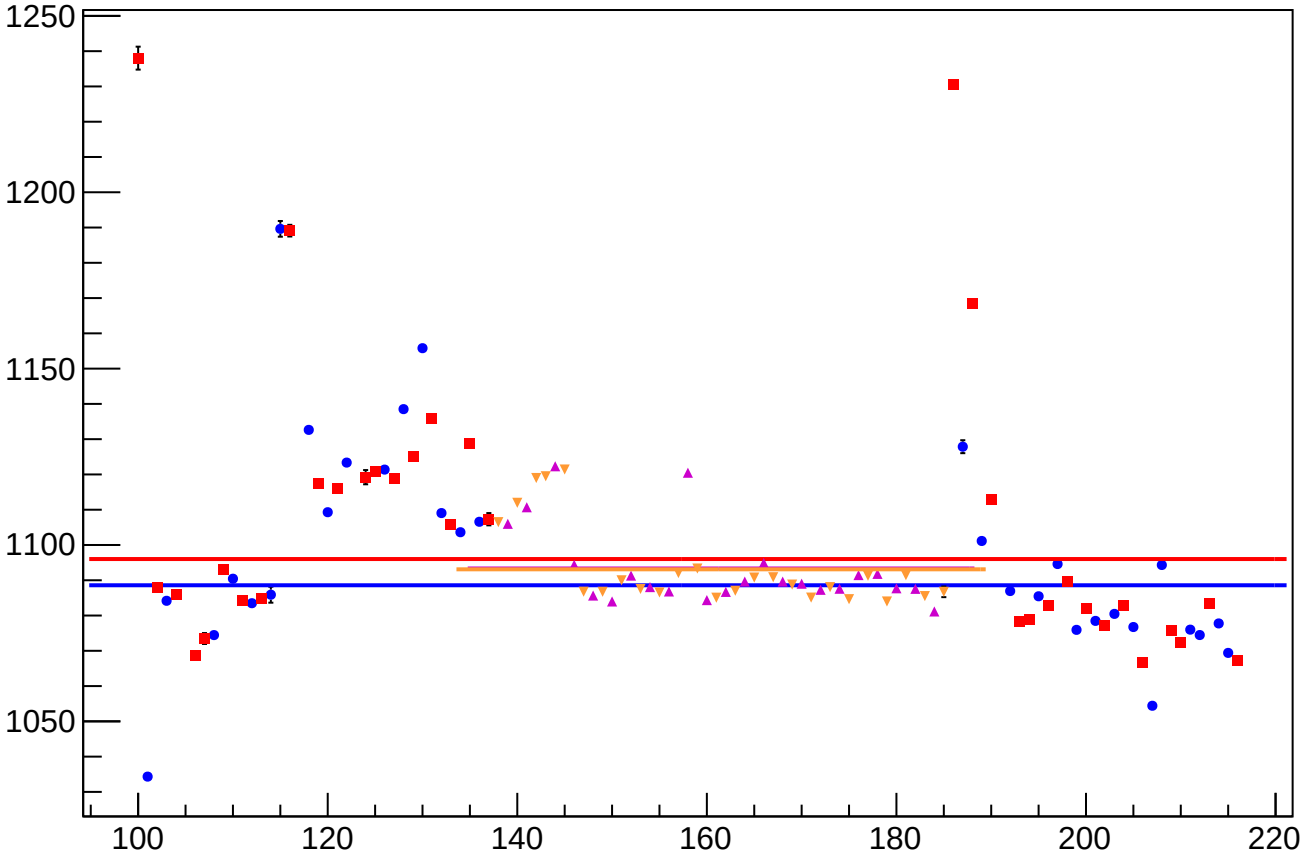
Right: 2229.235+/-175.264 χ^2/NDF: 44.0/64

In: 2368.006+/-177.801 χ^2/NDF:46.3/53

Out: 2078.778+/-175.450 χ^2/NDF:40.1/58

All: 2221.467+/-124.885 χ^2/NDF: 87.8/112

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: 1096.017+/-0.175 χ^2/NDF: 34155.9/33

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

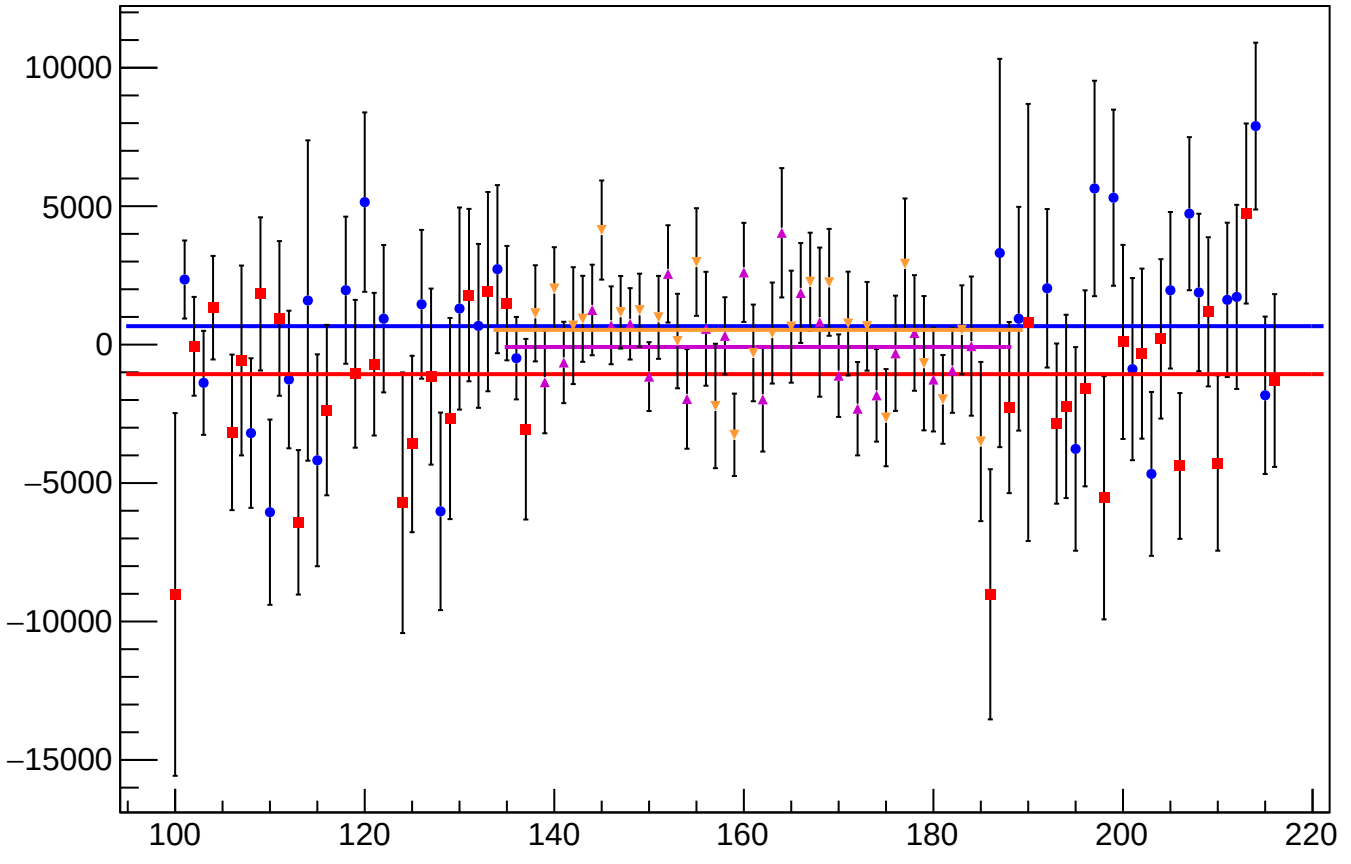
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1092.297+/-0.124 χ^2/NDF: 55304.5/64

In: 1090.889+/-0.126 χ^2/NDF:24331.9/53

Out: 1094.562+/-0.124 χ^2/NDF:38277.1/58

All: 1092.750+/-0.088 χ^2/NDF: 63041.4/112



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: -1066.771+/-508.718 χ^2/NDF: 27.0/33

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

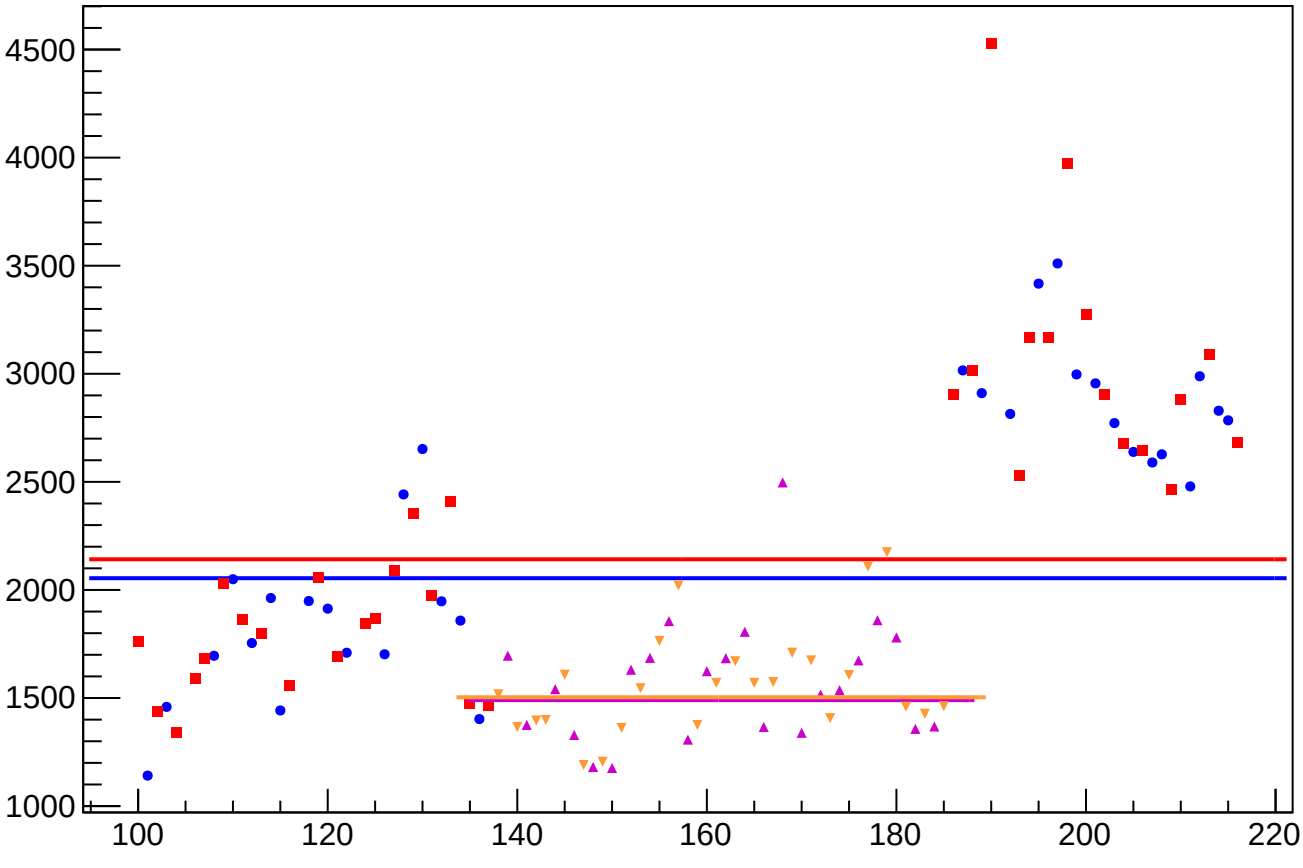
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -174.467+/-354.361 χ^2/NDF: 69.1/64

In: 169.796+/-287.690 χ^2/NDF:55.7/53

Out: 24.565+/-286.788 χ^2/NDF:60.2/58

All: 96.953+/-203.108 χ^2/NDF: 116.1/112



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: 2141.769+/-0.360 χ^2/NDF: 3320077.7/33

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

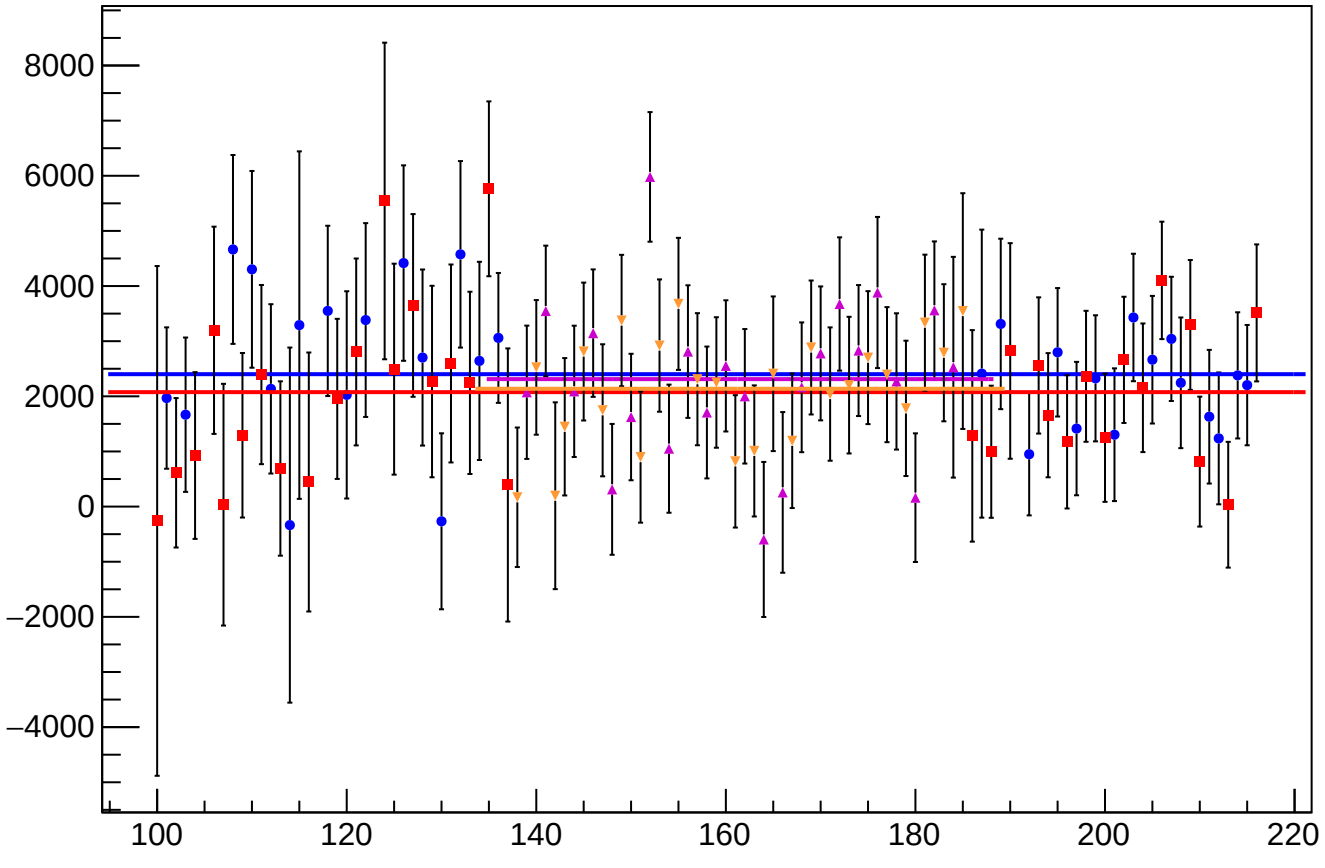
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2096.765+/-0.251 χ^2/NDF: 7030151.9/64

In: 1681.689+/-0.203 χ^2/NDF:6371247.0/53

Out: 1706.305+/-0.203 χ^2/NDF:6267946.0/58

All: 1694.036+/-0.144 χ^2/NDF: 12646537.1/1



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: 2075.753+/-249.034 χ^2/NDF: 26.5/33

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

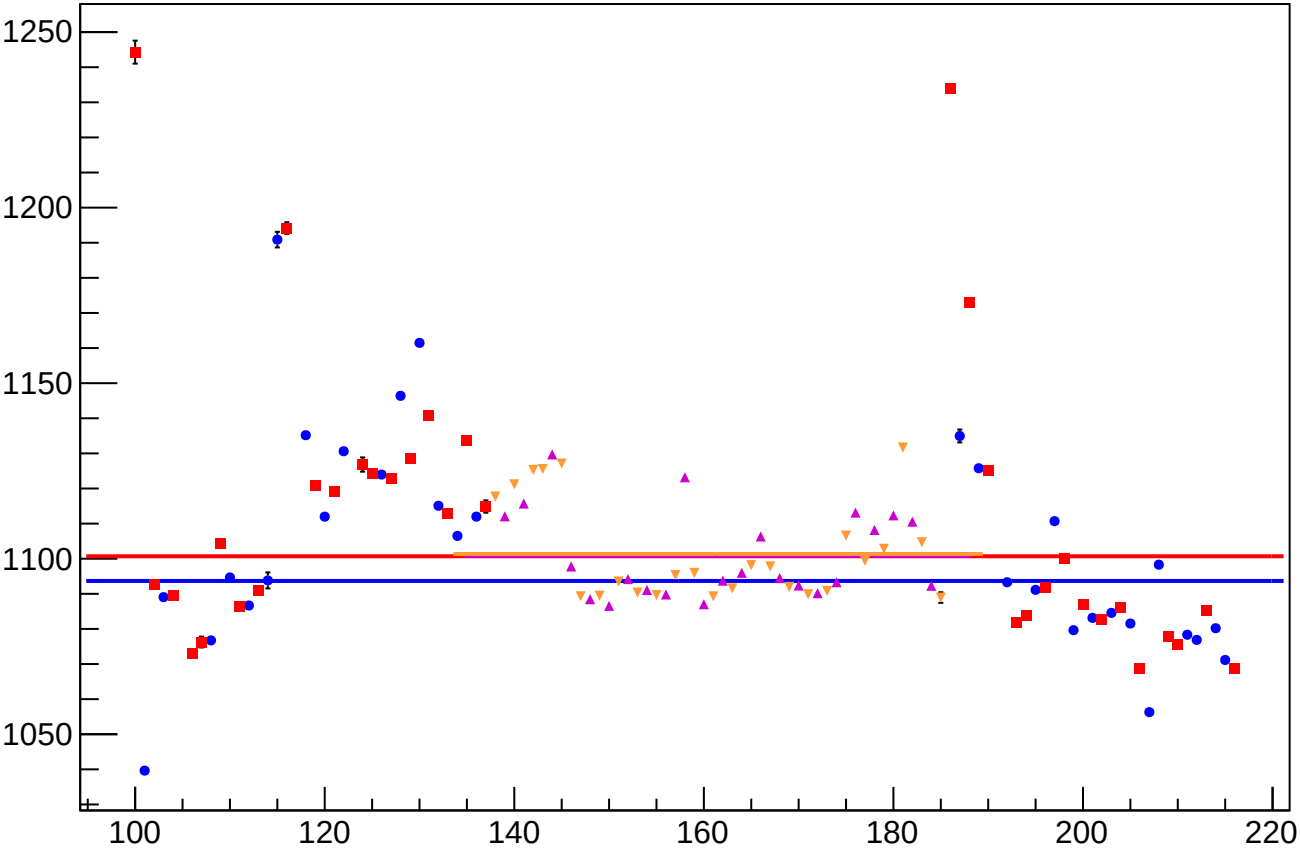
Right: 2238.643+/-176.065 χ^2/NDF: 44.8/64

In: 2358.026+/-178.825 χ^2/NDF:47.4/53

Out: 2106.326+/-176.503 χ^2/NDF:40.5/58

All: 2230.531+/-125.619 χ^2/NDF: 88.9/112

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: 1100.695+/-0.176 χ^2/NDF: 34716.9/33

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

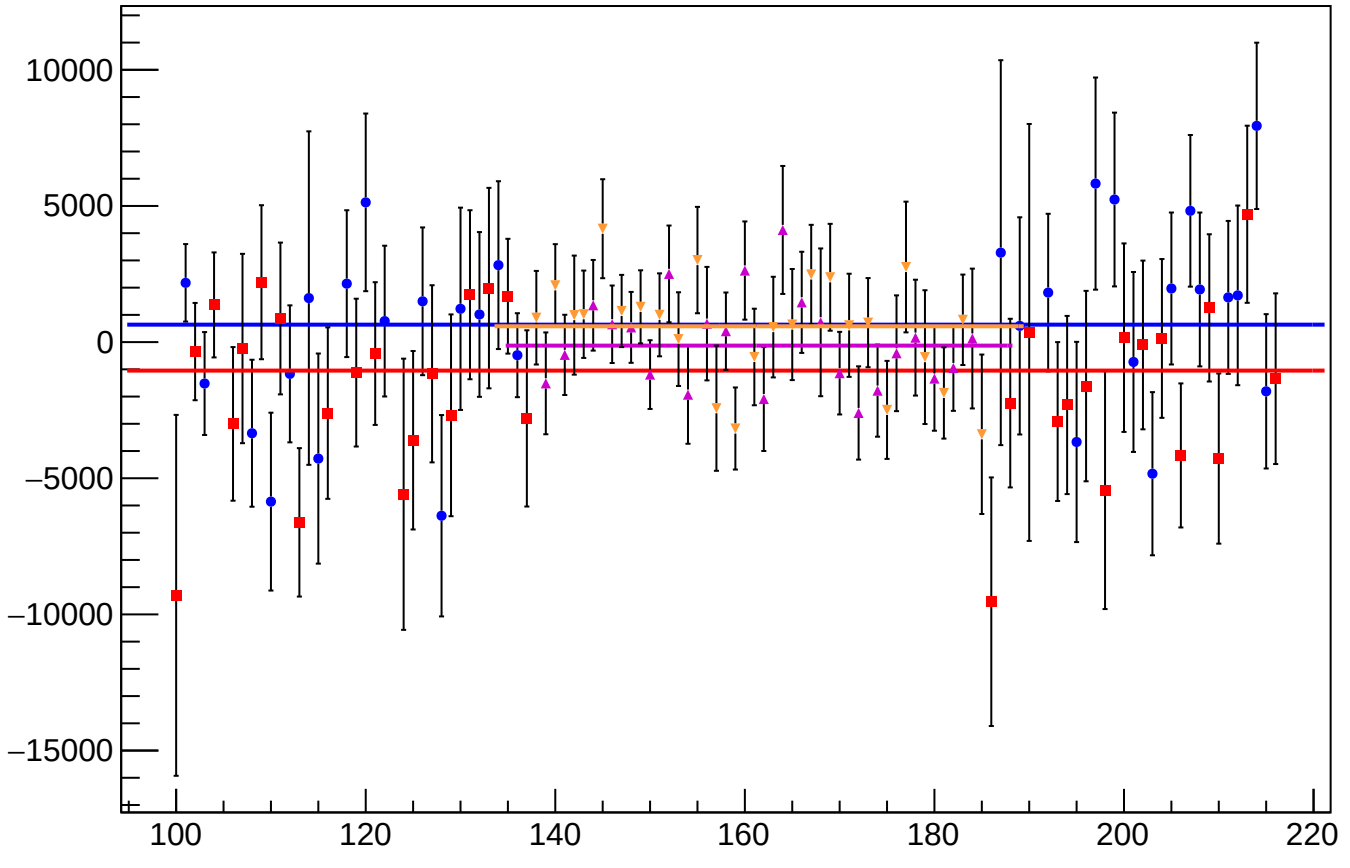
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1097.179+/-0.124 χ^2/NDF: 57669.7/64

In: 1097.115+/-0.126 χ^2/NDF:27590.8/53

Out: 1101.023+/-0.125 χ^2/NDF:40674.5/58

All: 1099.094+/-0.089 χ^2/NDF: 68749.1/112



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: -1045.944+/-514.273 χ^2/NDF: 27.1/33

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

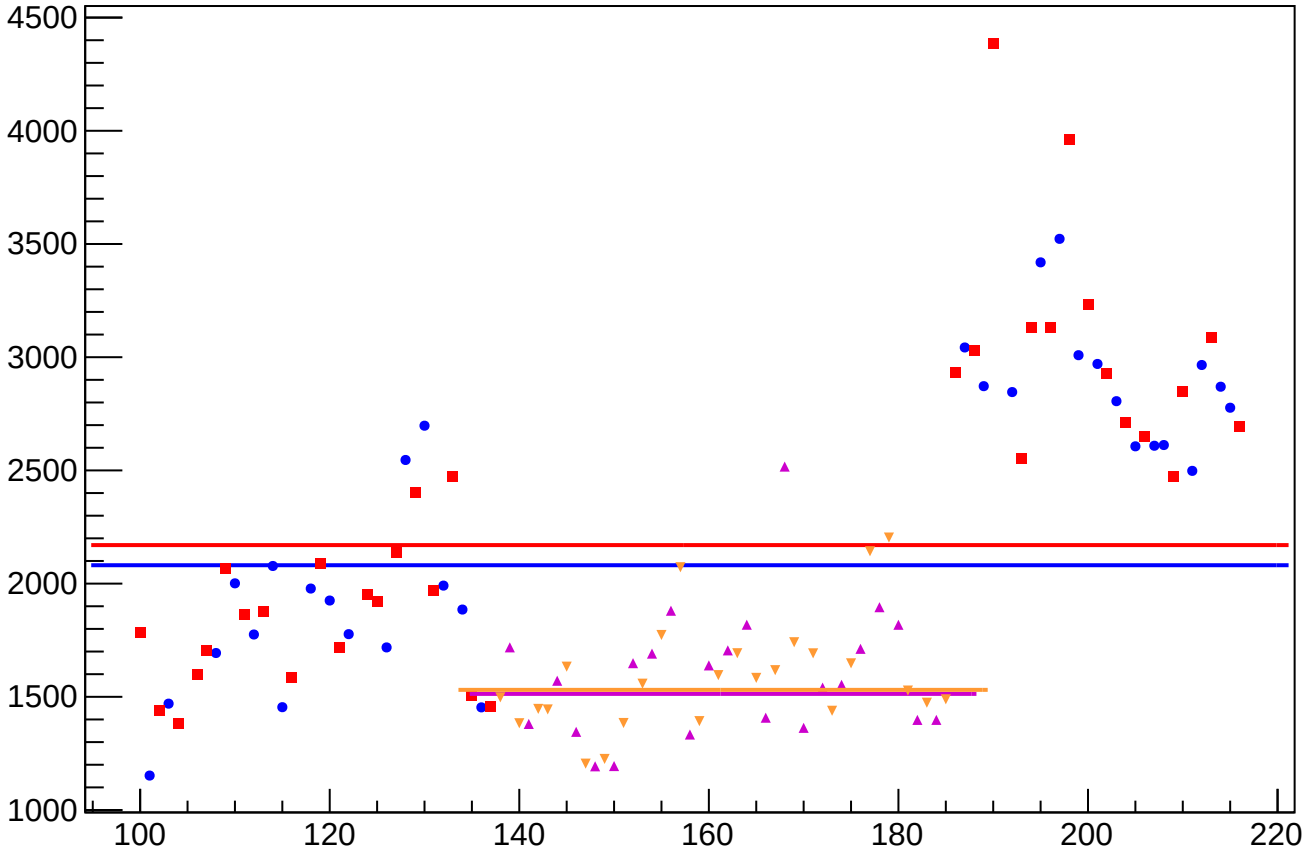
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -177.468+/-358.230 χ^2/NDF: 68.8/64

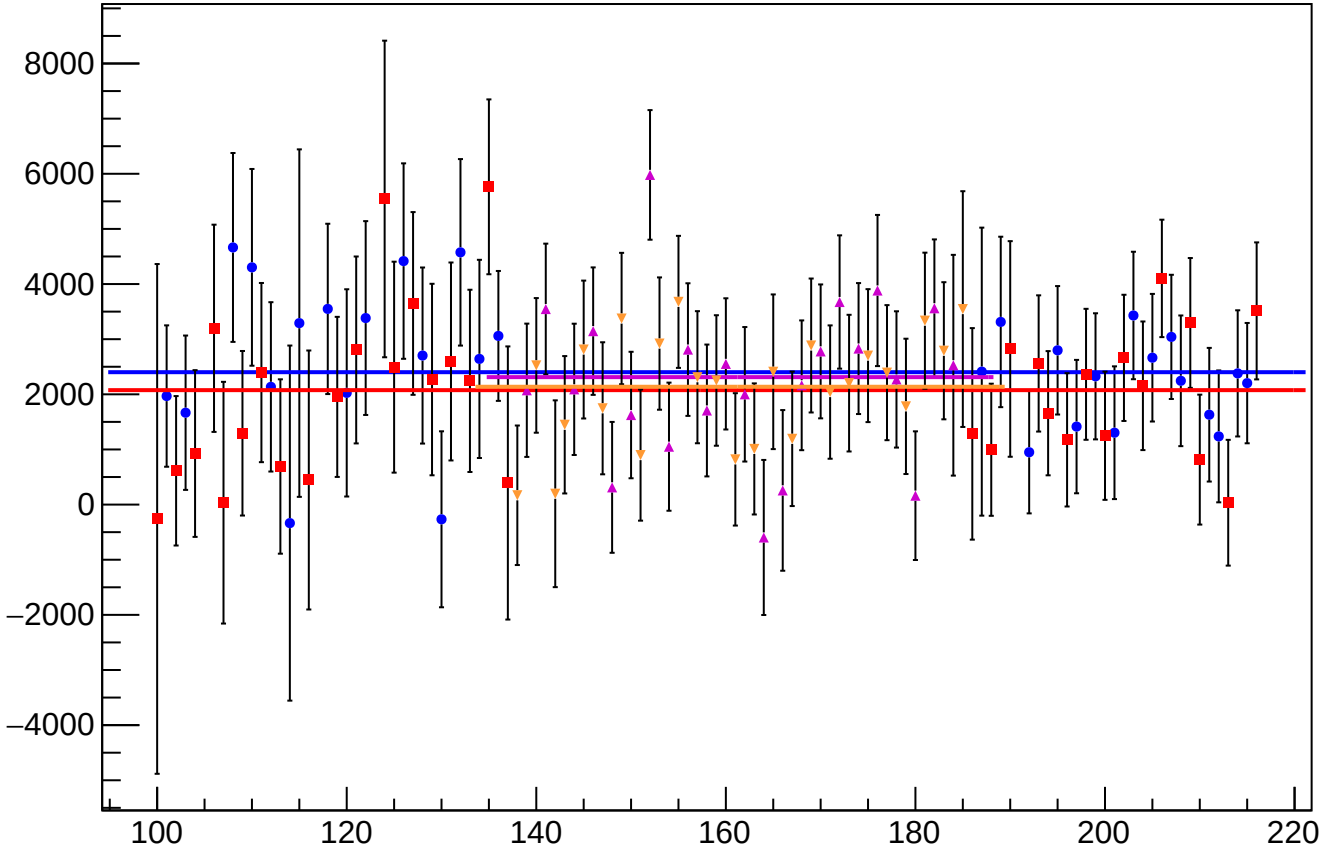
In: 133.738+/-291.544 χ^2/NDF:55.6/53

Out: 59.464+/-291.253 χ^2/NDF:59.3/58

All: 96.564+/-206.050 χ^2/NDF: 114.9/112


asym_usr_dit_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
220
Right In: 2081.232+/-0.353 χ²/NDF: 3561007.8/30
Left Out: 1530.764+/-0.250 χ²/NDF:795634.5/24
Right Out: 2170.144+/-0.364 χ²/NDF: 3164333.1/33
Left In: 1512.947+/-0.254 χ²/NDF:957059.5/22
Left: 1521.999+/-0.178 χ²/NDF: 1755195.1/47
Right: 2124.373+/-0.253 χ²/NDF: 6756115.0/64
In: 1706.712+/-0.206 χ²/NDF:6225616.3/53
Out: 1735.839+/-0.206 χ²/NDF:6059852.1/58
All: 1721.290+/-0.146 χ²/NDF: 12295459.3/1

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: 2075.755+/-249.034 χ^2/NDF: 26.5/33

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

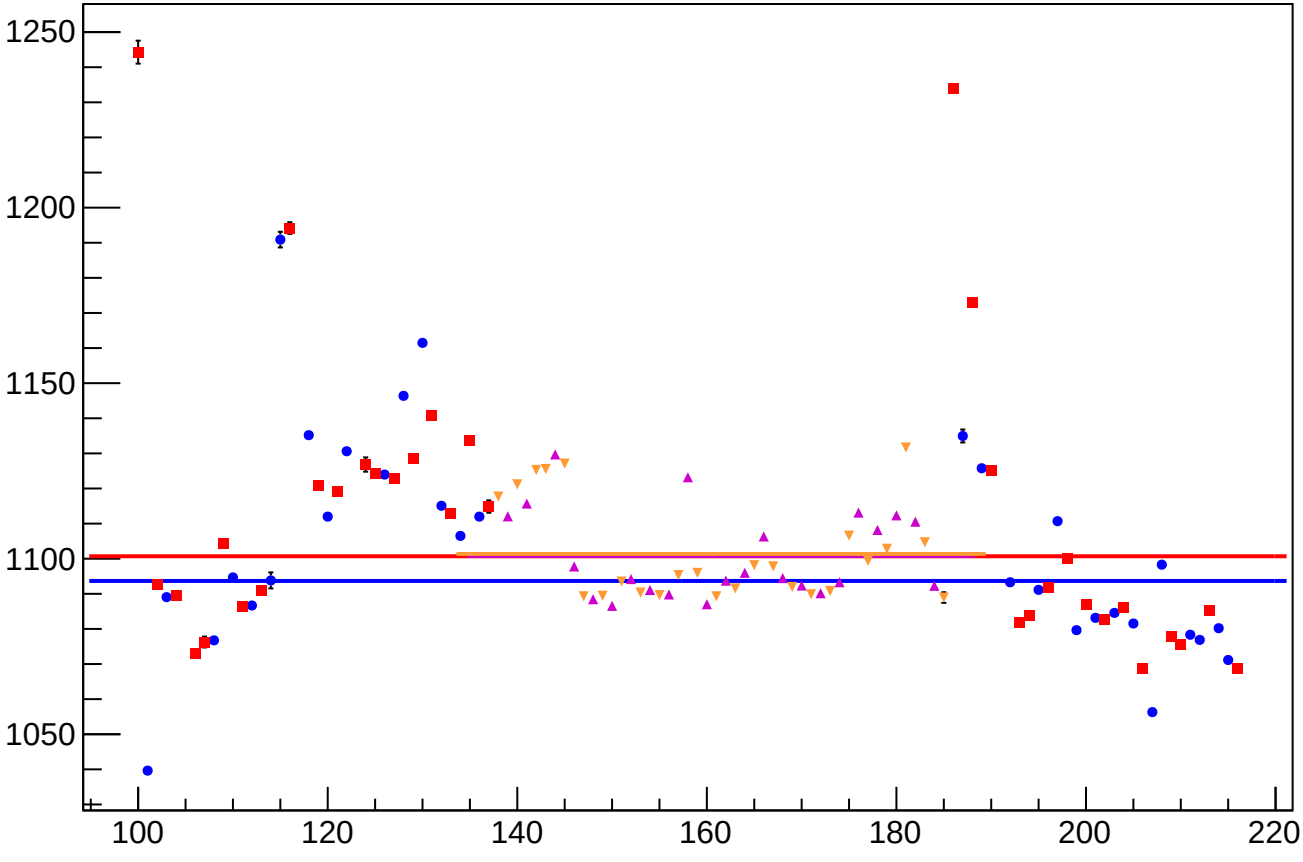
Right: 2238.645+/-176.065 χ^2/NDF: 44.8/64

In: 2358.026+/-178.825 χ^2/NDF:47.4/53

Out: 2106.326+/-176.503 χ^2/NDF:40.5/58

All: 2230.531+/-125.619 χ^2/NDF: 88.9/112

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: 1100.695+/-0.176 χ^2/NDF: 34716.9/33

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

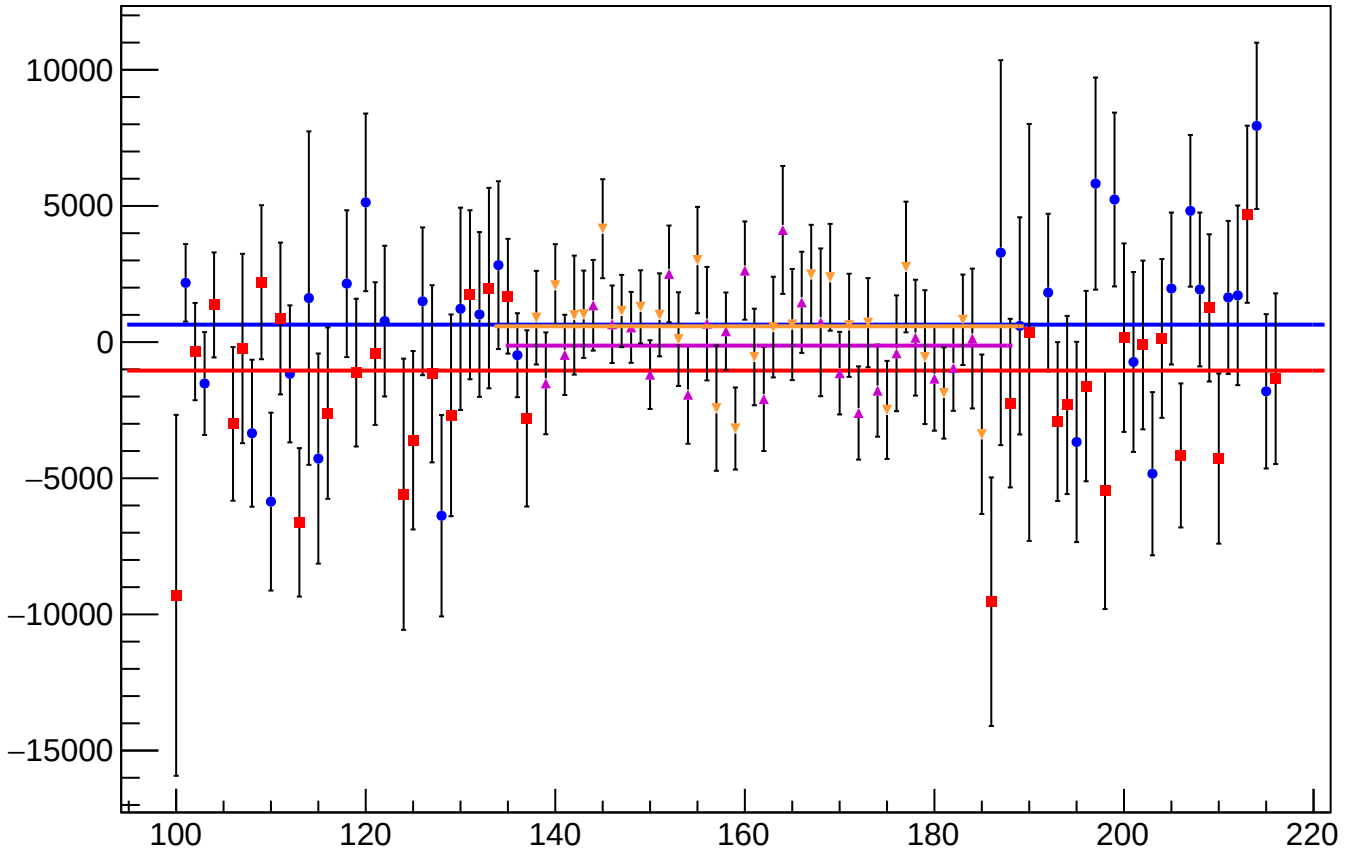
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1097.179+/-0.124 χ^2/NDF: 57669.4/64

In: 1097.115+/-0.126 χ^2/NDF:27590.6/53

Out: 1101.023+/-0.125 χ^2/NDF:40674.4/58

All: 1099.094+/-0.089 χ^2/NDF: 68748.8/112



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: -1045.944+/-514.273 χ^2/NDF: 27.1/33

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

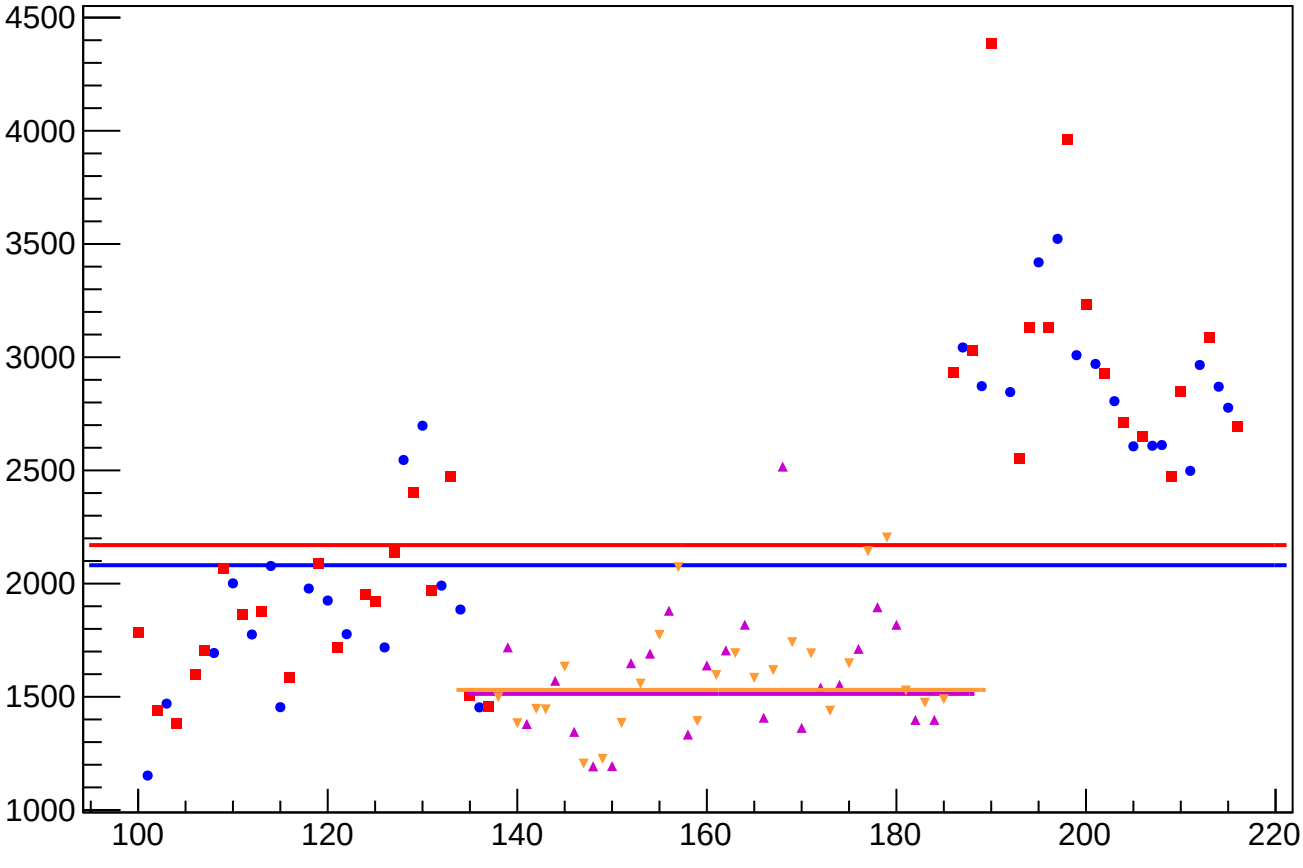
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -177.470+/-358.229 χ^2/NDF: 68.8/64

In: 133.737+/-291.544 χ^2/NDF:55.6/53

Out: 59.461+/-291.254 χ^2/NDF:59.3/58

All: 96.562+/-206.050 χ^2/NDF: 114.9/112



Right In: 2081.231+/-0.353 χ^2/NDF: 3561021.2/30

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2170.143+/-0.364 χ^2/NDF: 3164333.1/33

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

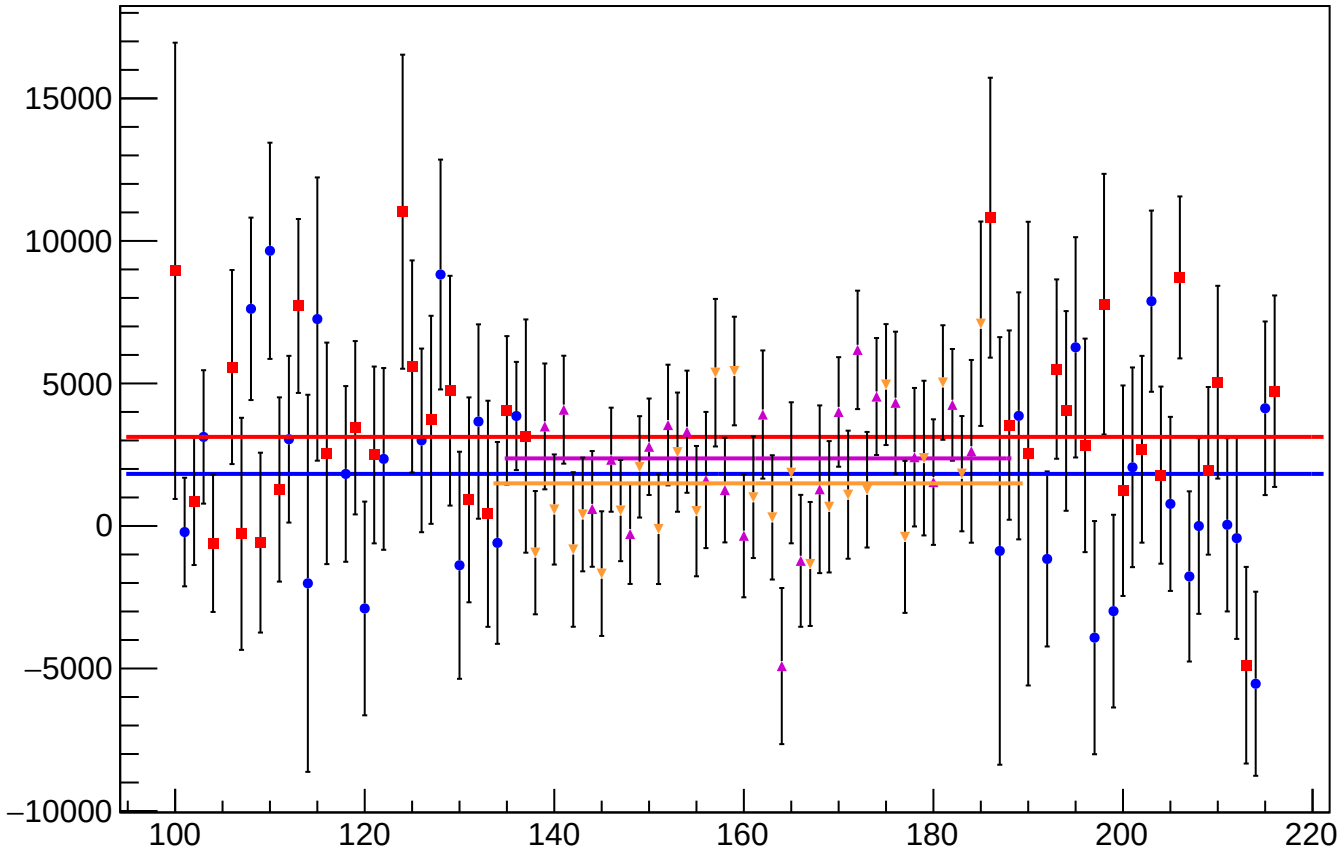
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2124.372+/-0.253 χ^2/NDF: 6756128.6/64

In: 1706.715+/-0.206 χ^2/NDF:6225603.1/53

Out: 1735.842+/-0.206 χ^2/NDF:6059819.9/58

All: 1721.293+/-0.146 χ^2/NDF: 12295414.1/1



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: 3125.203+/-584.796 χ^2/NDF: 27.5/33

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

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

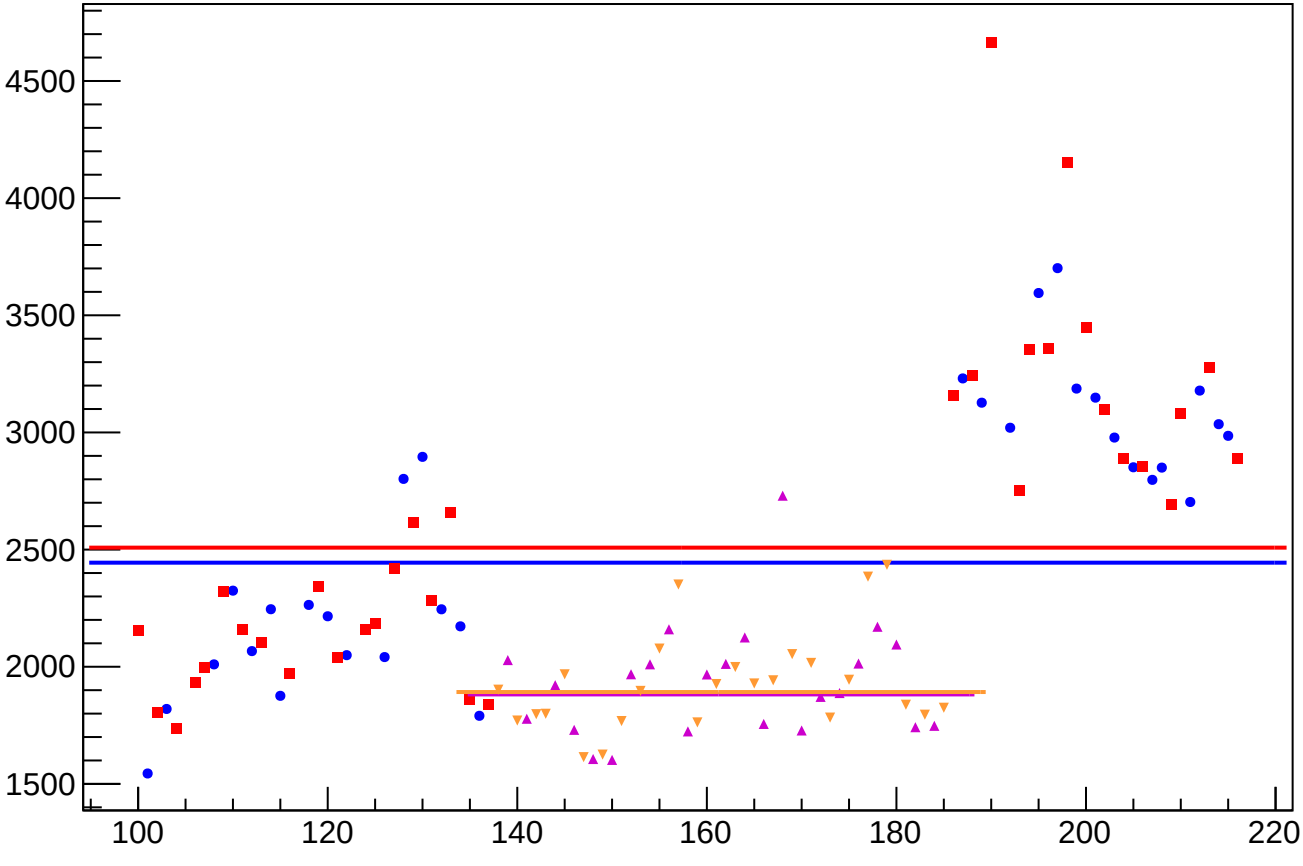
Right: 2464.201+/-409.713 χ^2/NDF: 66.7/64

In: 2167.832+/-350.720 χ^2/NDF:61.0/53

Out: 2072.612+/-348.094 χ^2/NDF:56.2/58

All: 2119.864+/-247.063 χ^2/NDF: 117.2/112

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: 2508.341+/-0.414 χ^2/NDF: 2072083.9/33

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

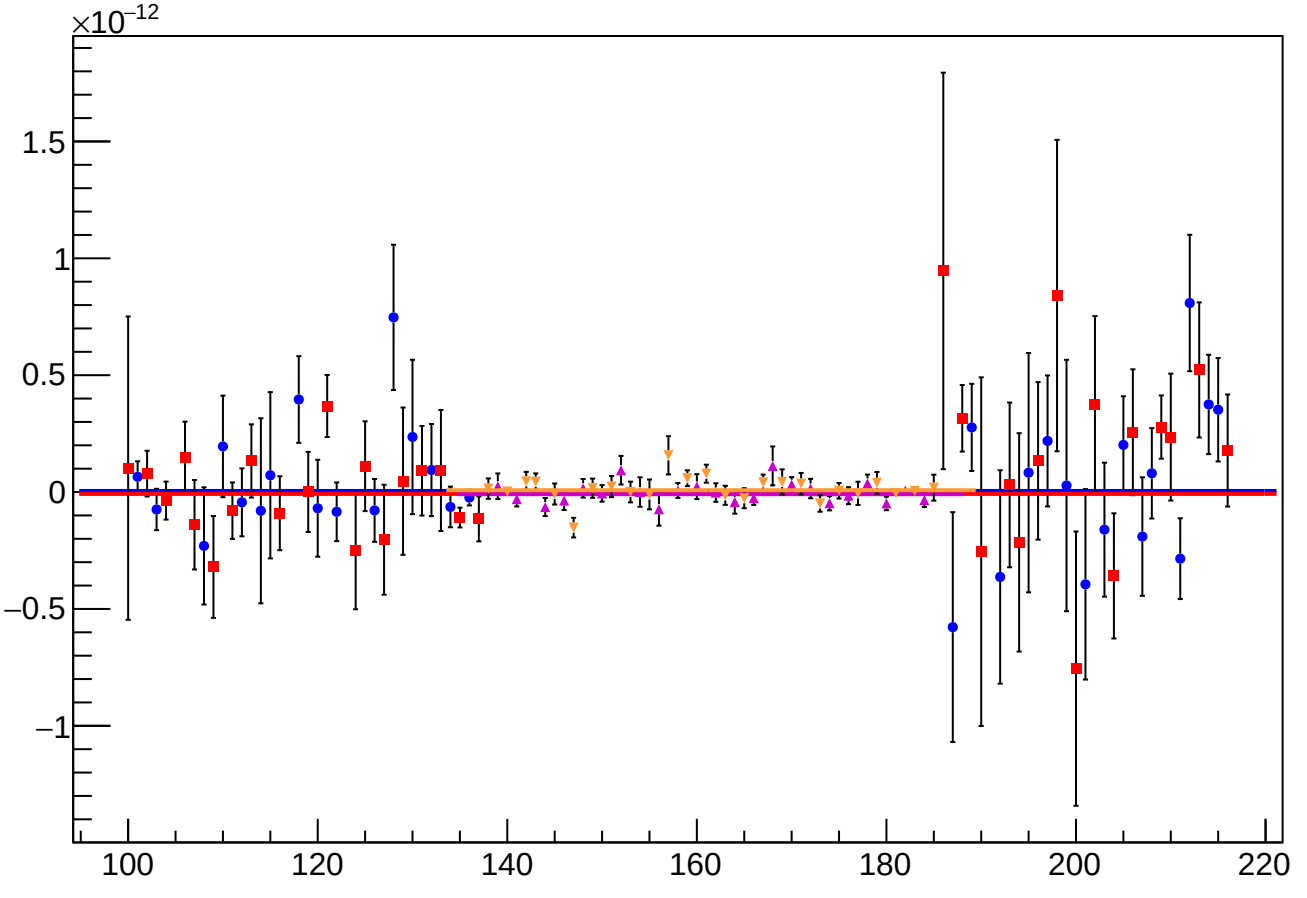
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2475.674+/-0.290 χ^2/NDF: 4217533.7/64

In: 2091.674+/-0.248 χ^2/NDF:3798242.0/53

Out: 2110.451+/-0.246 χ^2/NDF:3895643.2/58

All: 2101.133+/-0.175 χ^2/NDF: 7696773.2/11



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: 46.5/33

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

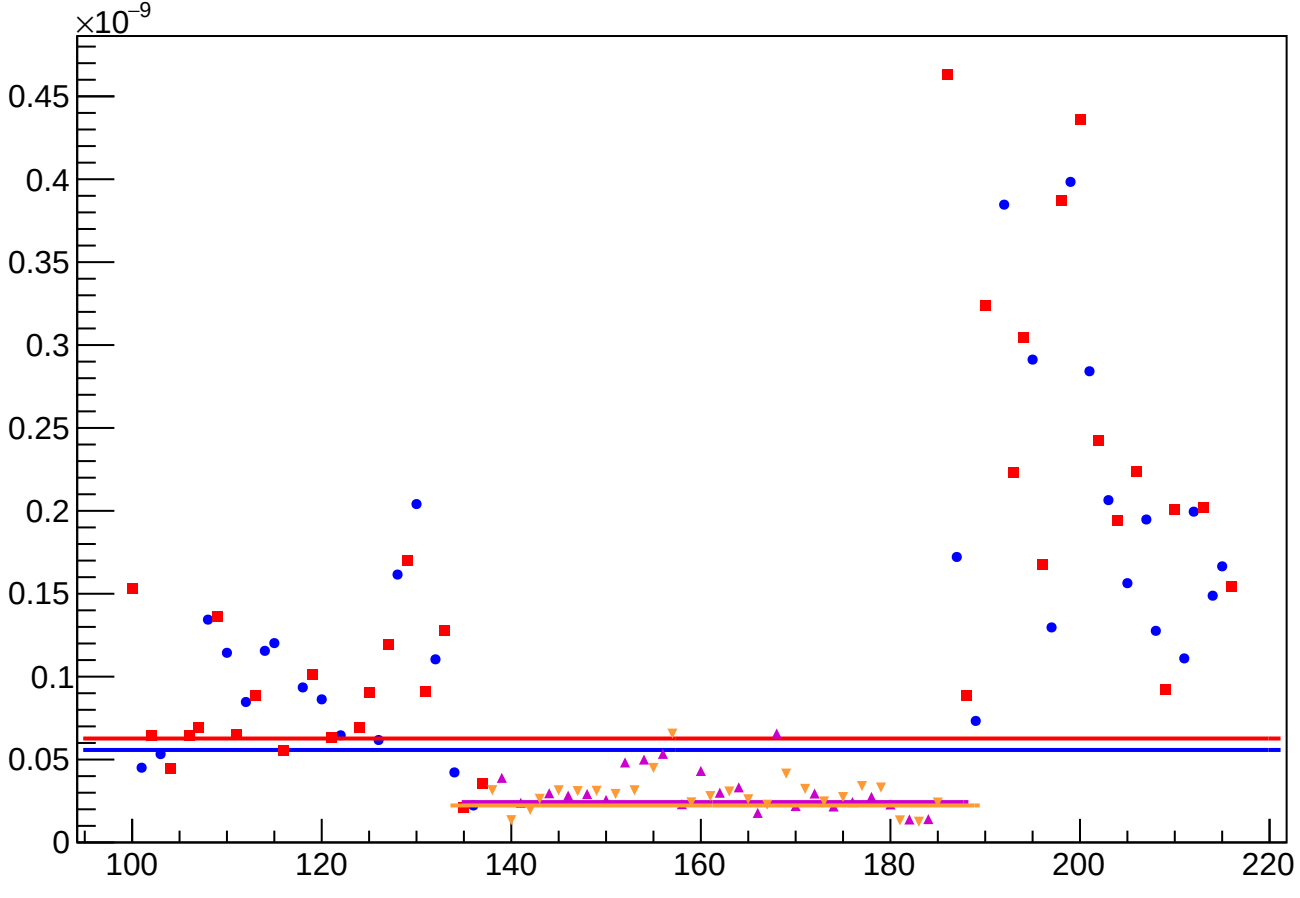
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 87.0/64

In: -0.000+/-0.000 χ^2/NDF:59.7/53

Out: 0.000+/-0.000 χ^2/NDF:79.2/58

All: 0.000+/-0.000 χ^2/NDF: 141.2/112



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: 9373489.4/33

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

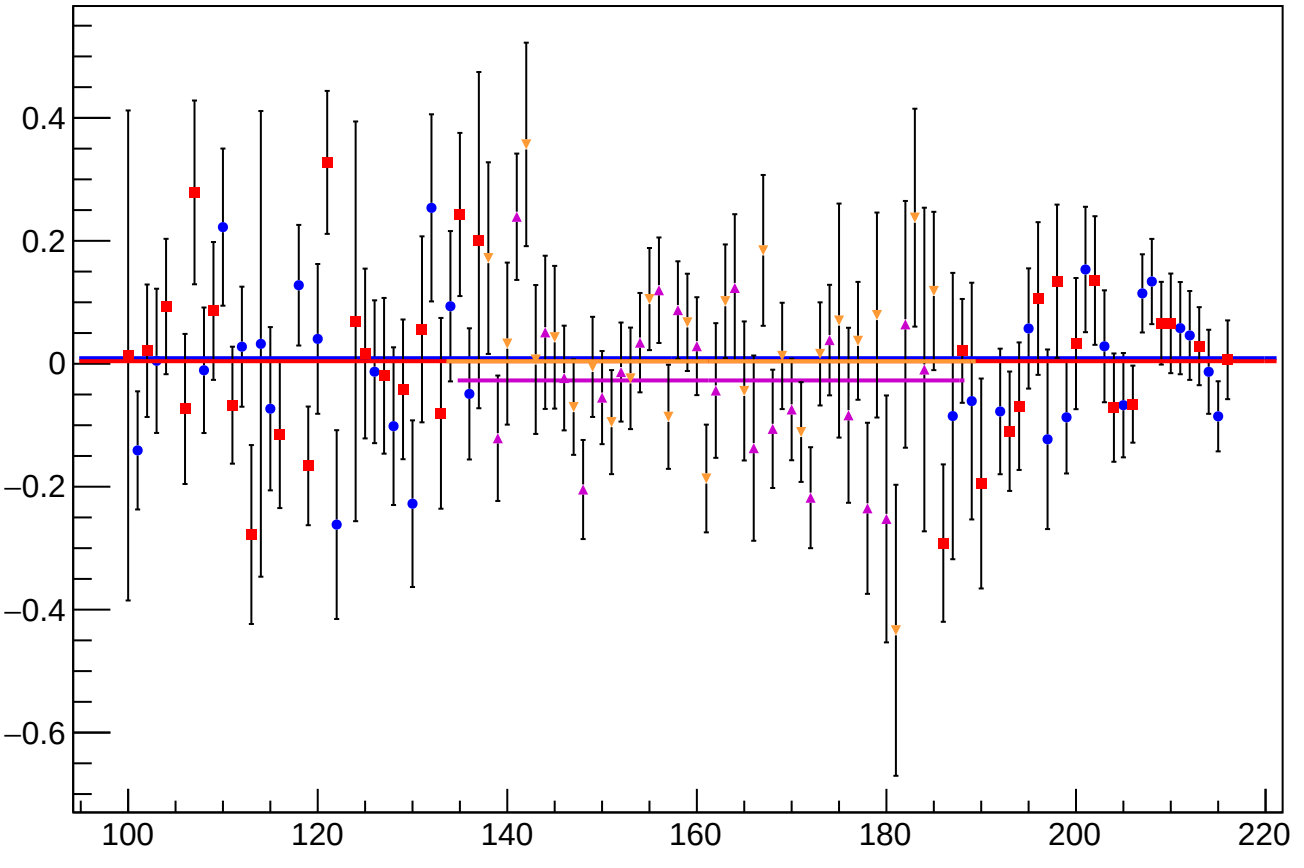
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 19658410.3/64

In: 0.000+/-0.000 χ^2/NDF:16758833.8/53

Out: 0.000+/-0.000 χ^2/NDF:17801945.4/58

All: 0.000+/-0.000 χ^2/NDF: 34672267.1/112



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+/-0.018 χ^2/NDF: 41.1/33

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

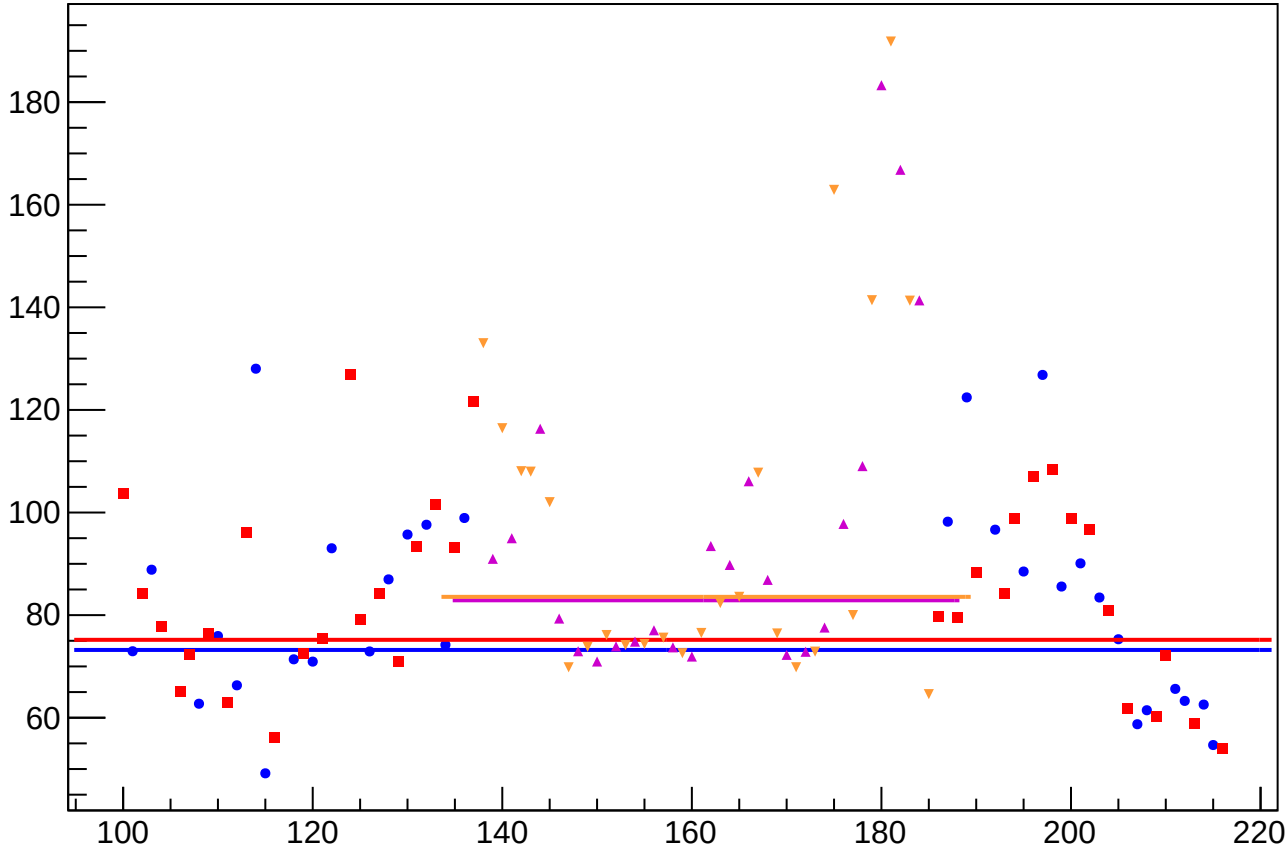
Right: 0.007+/-0.013 χ^2/NDF: 74.2/64

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.004+/-0.013 χ^2/NDF:69.3/58

All: -0.001+/-0.009 χ^2/NDF: 136.4/112

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: 75.186+/-0.013 χ^2/NDF: 1560920.2/33

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

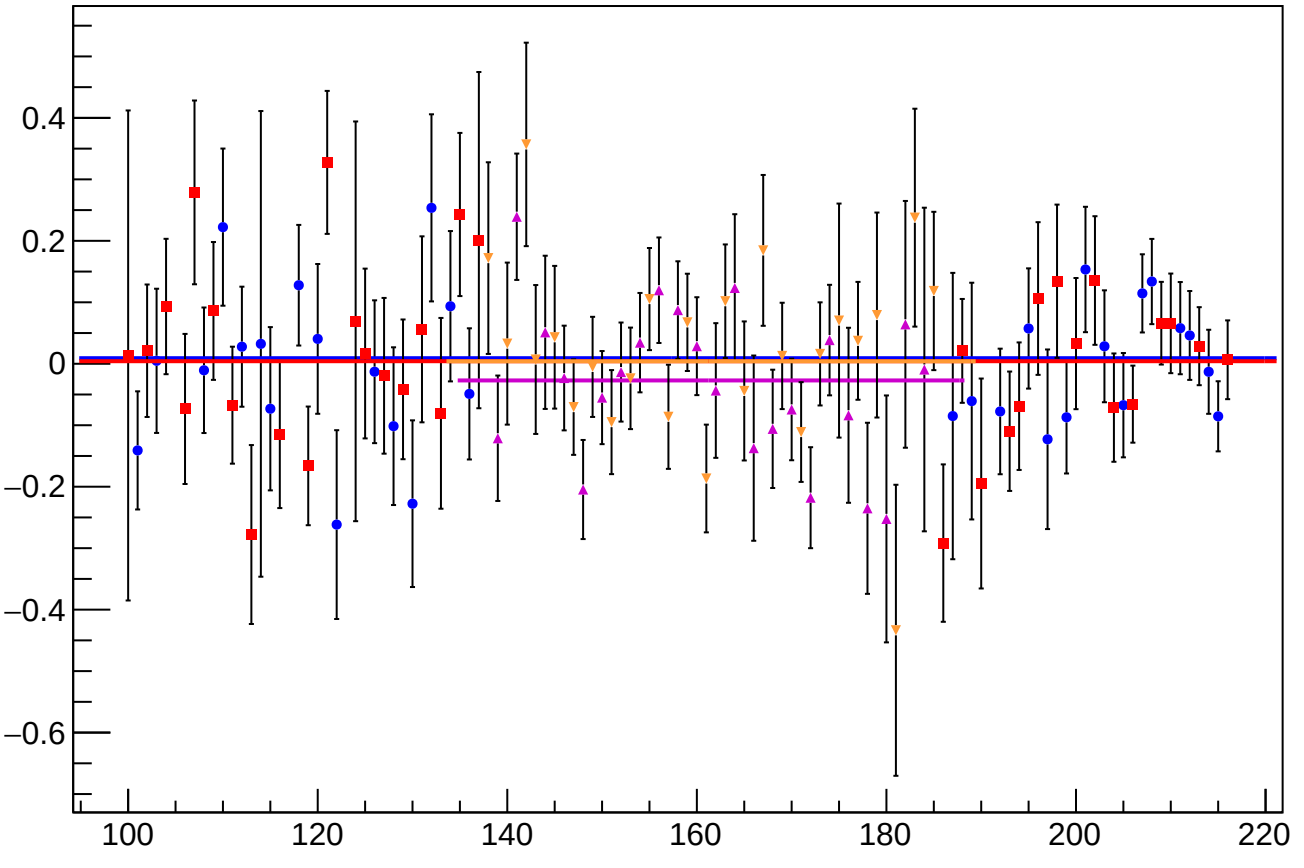
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 74.184+/-0.009 χ^2/NDF: 3202965.6/64

In: 77.314+/-0.009 χ^2/NDF:3458333.3/53

Out: 78.849+/-0.009 χ^2/NDF:3925545.3/58

All: 78.079+/-0.007 χ^2/NDF: 7397000.0/112



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+/-0.018 χ^2/NDF: 41.1/33

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

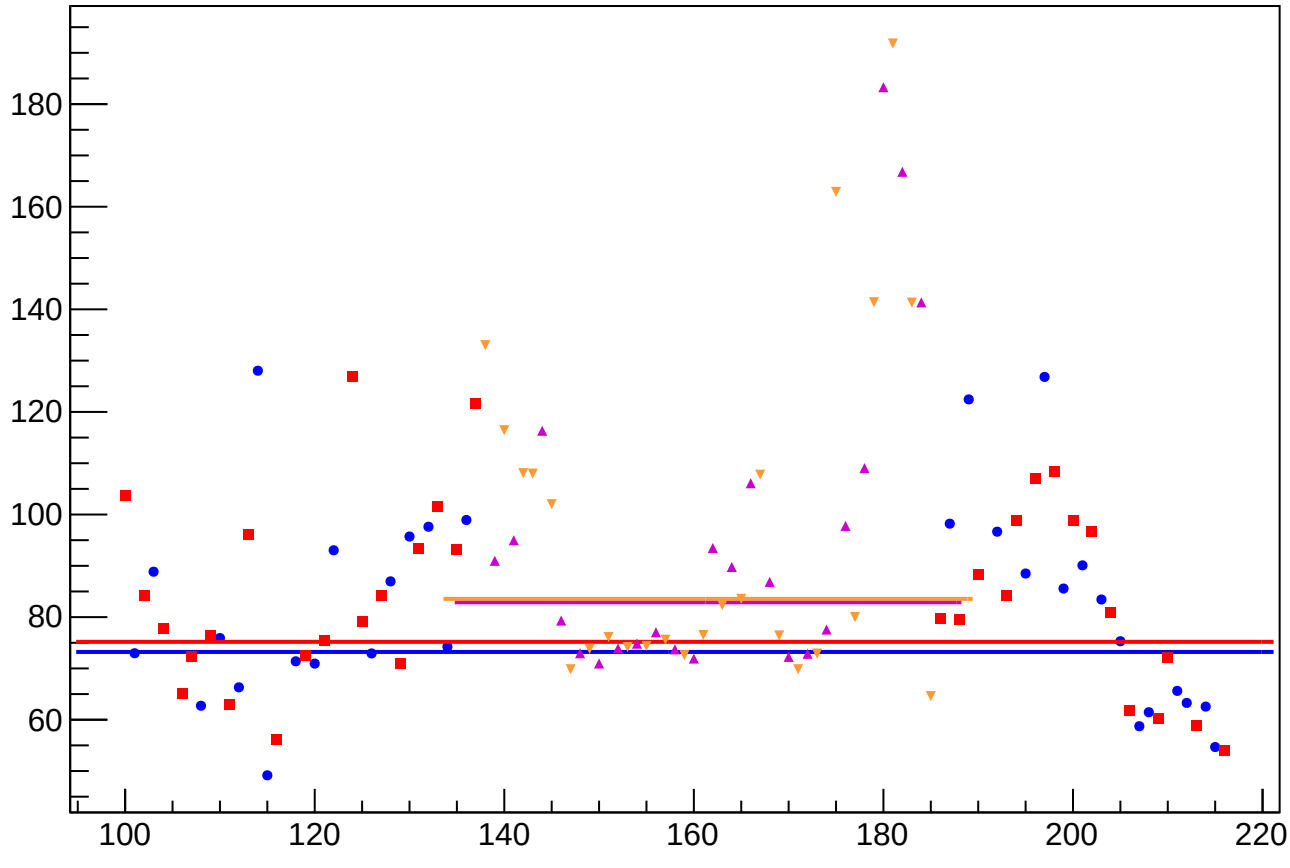
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.007+/-0.013 χ^2/NDF: 74.2/64

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.004+/-0.013 χ^2/NDF:69.3/58

All: -0.001+/-0.009 χ^2/NDF: 136.4/112



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: 75.186+/-0.013 χ^2/NDF: 1560920.2/33

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

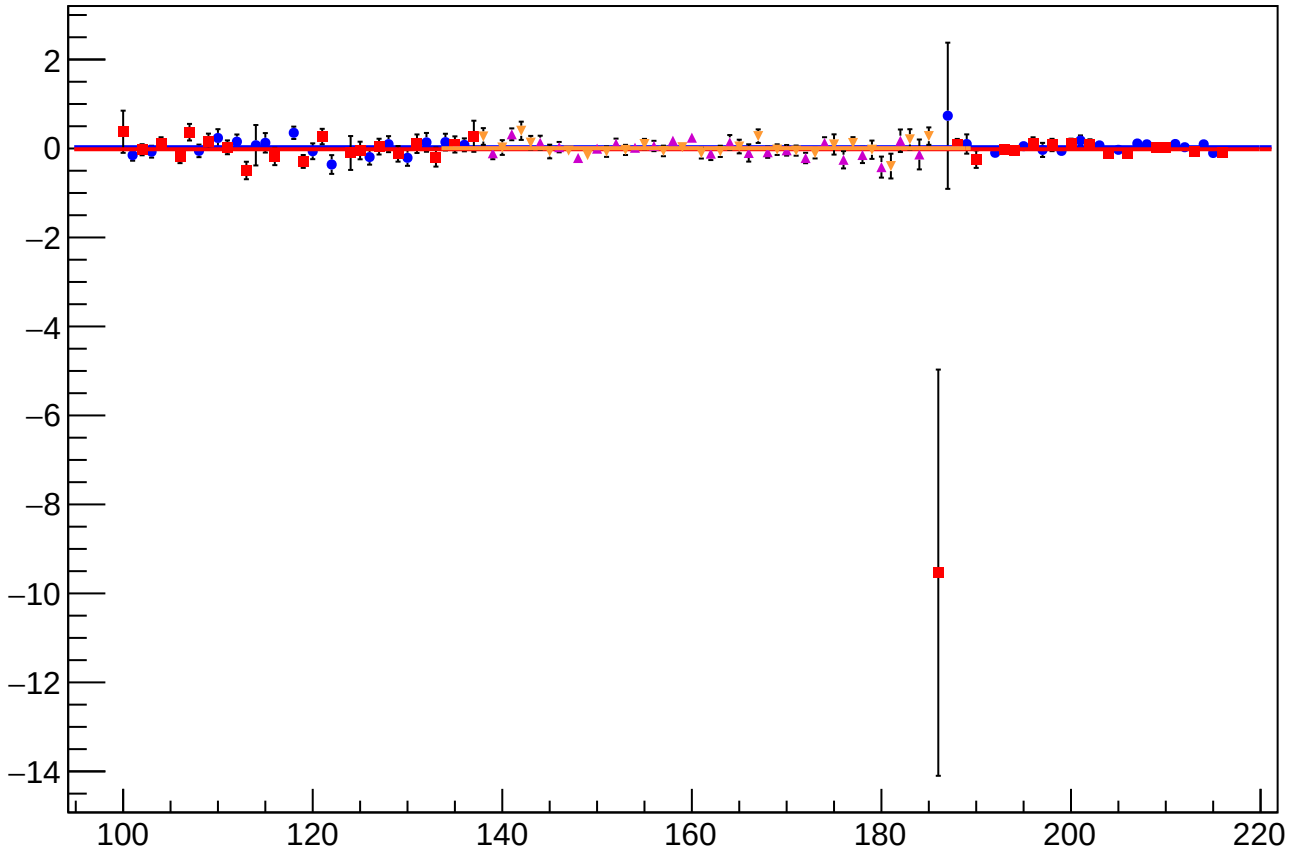
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 74.184+/-0.009 χ^2/NDF: 3202965.6/64

In: 77.314+/-0.009 χ^2/NDF:3458333.3/53

Out: 78.849+/-0.009 χ^2/NDF:3925545.3/58

All: 78.079+/-0.007 χ^2/NDF: 7397000.0/112



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: -0.017+/-0.024 χ^2/NDF: 37.0/33

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

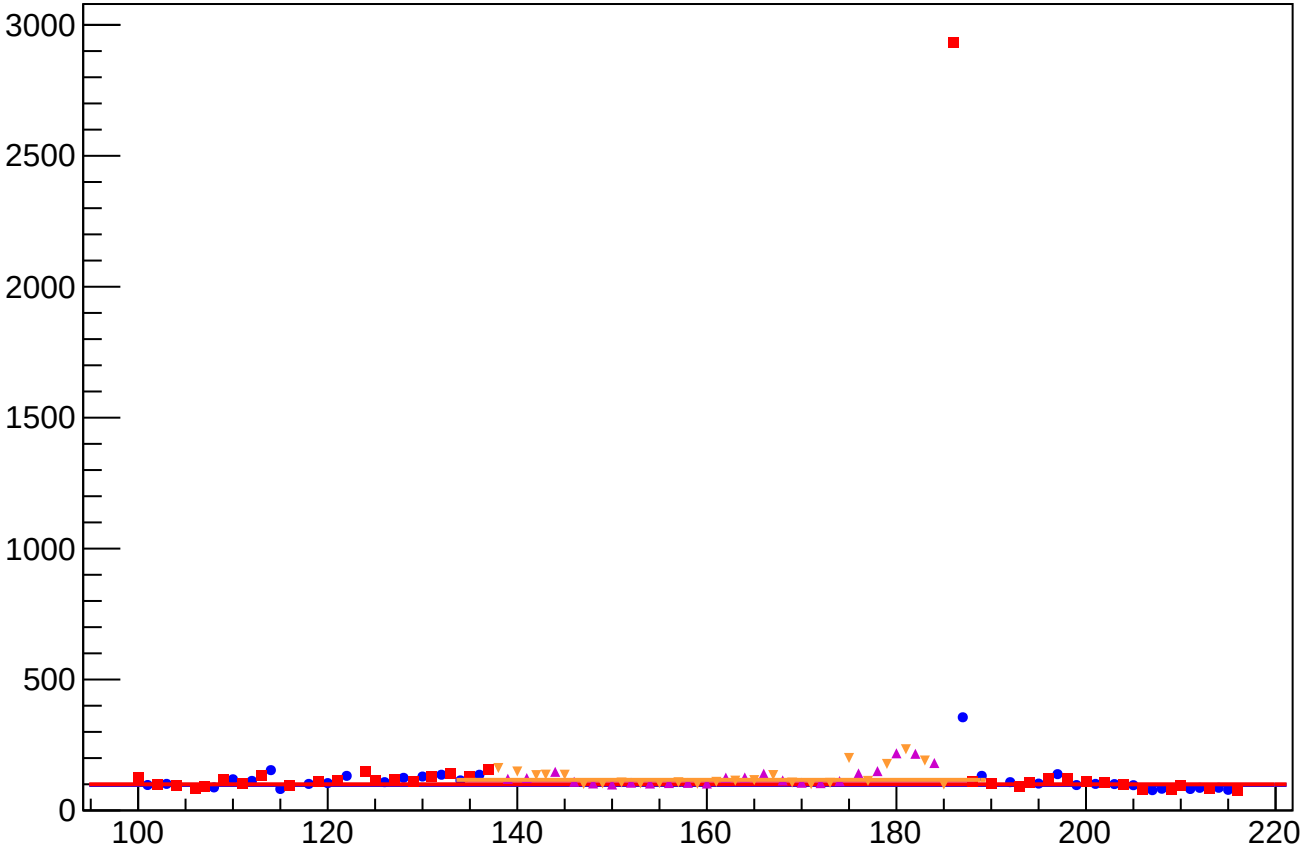
Right: 0.006+/-0.017 χ^2/NDF: 67.0/64

In: 0.022+/-0.018 χ^2/NDF:59.6/53

Out: -0.008+/-0.018 χ^2/NDF:58.7/58

All: 0.007+/-0.013 χ^2/NDF: 119.6/112

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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: 99.876+/-0.017 χ^2/NDF: 1758632.1/33

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

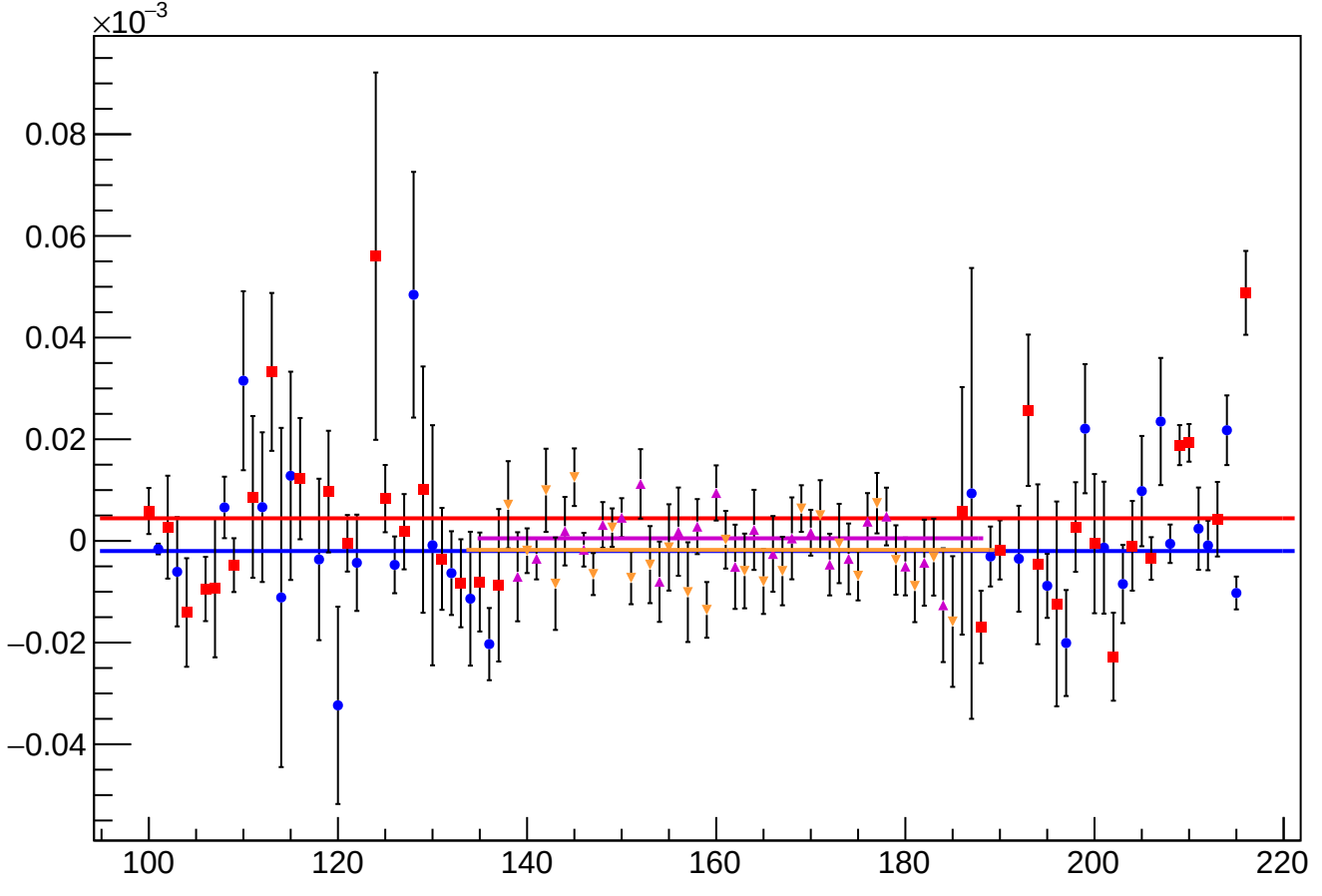
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 98.634+/-0.012 χ^2/NDF: 2905883.8/64

In: 104.856+/-0.013 χ^2/NDF:2878620.4/53

Out: 107.006+/-0.013 χ^2/NDF:3791254.2/58

All: 105.925+/-0.009 χ^2/NDF: 6684250.6/112



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: 110.3/33

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

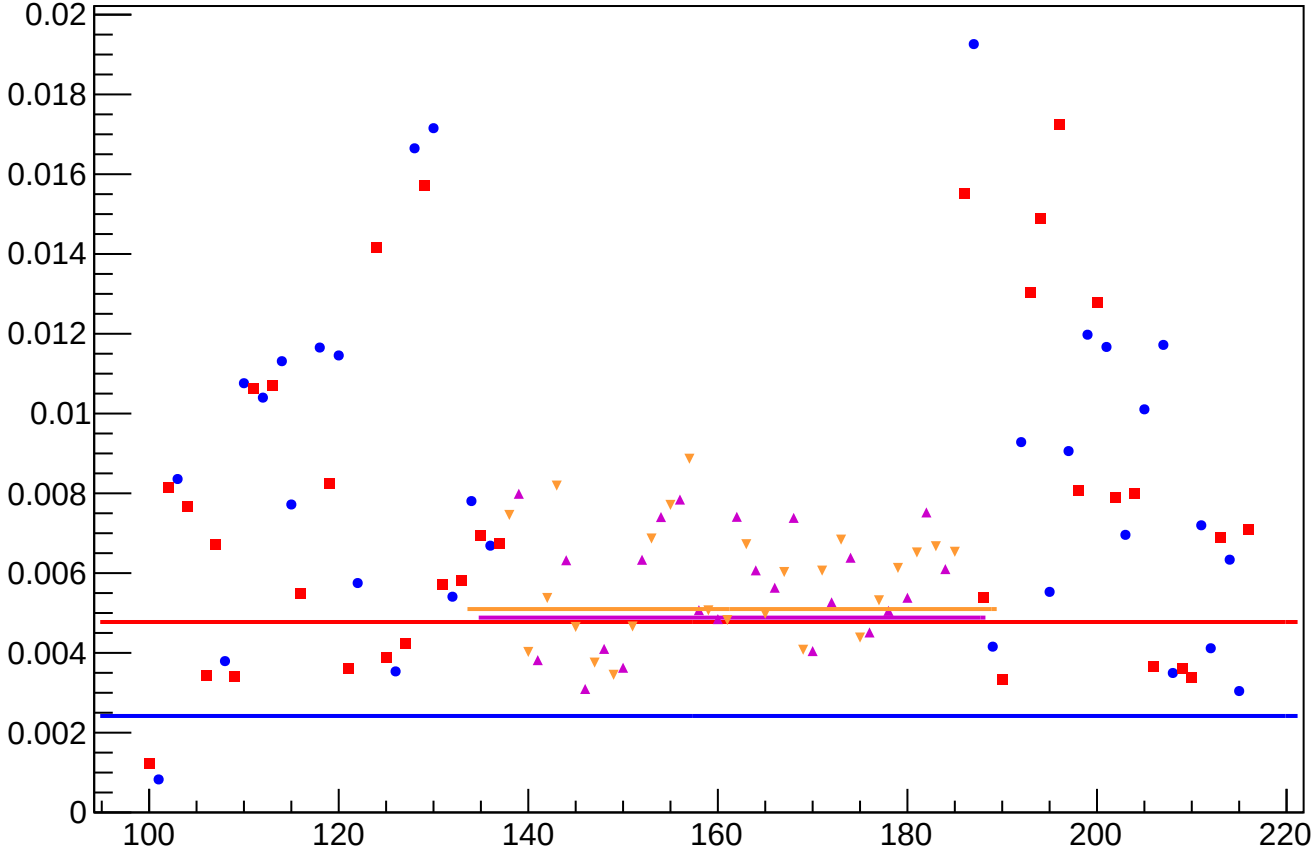
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 182.2/64

In: -0.000+/-0.000 χ^2/NDF:72.9/53

Out: 0.000+/-0.000 χ^2/NDF:153.7/58

All: -0.000+/-0.000 χ^2/NDF: 230.9/112



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: 8609974.6/33

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

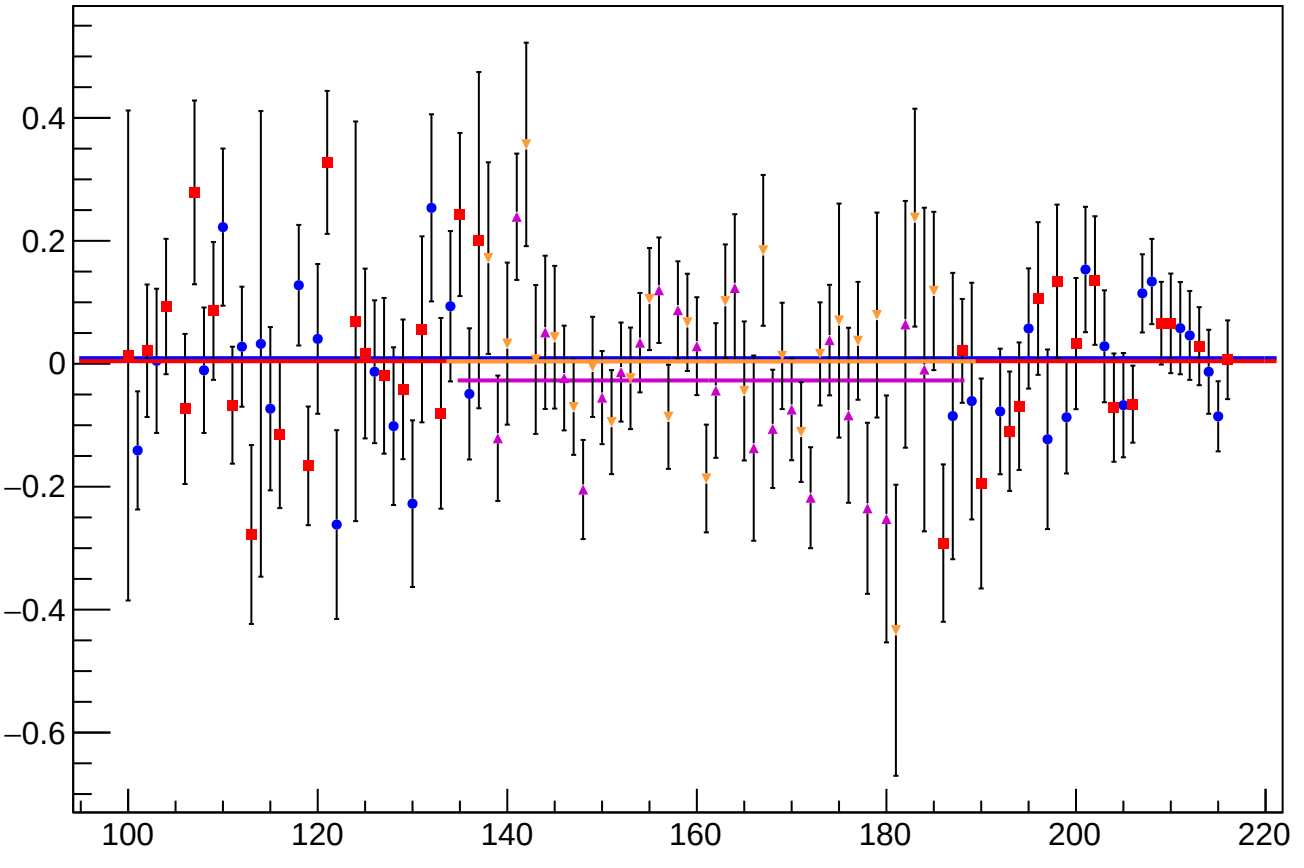
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 33613957.8/64

In: 0.003+/-0.000 χ^2/NDF:28730755.7/53

Out: 0.005+/-0.000 χ^2/NDF:11055977.5/58

All: 0.004+/-0.000 χ^2/NDF: 44477610.4/112



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+/-0.018 χ^2/NDF: 41.1/33

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

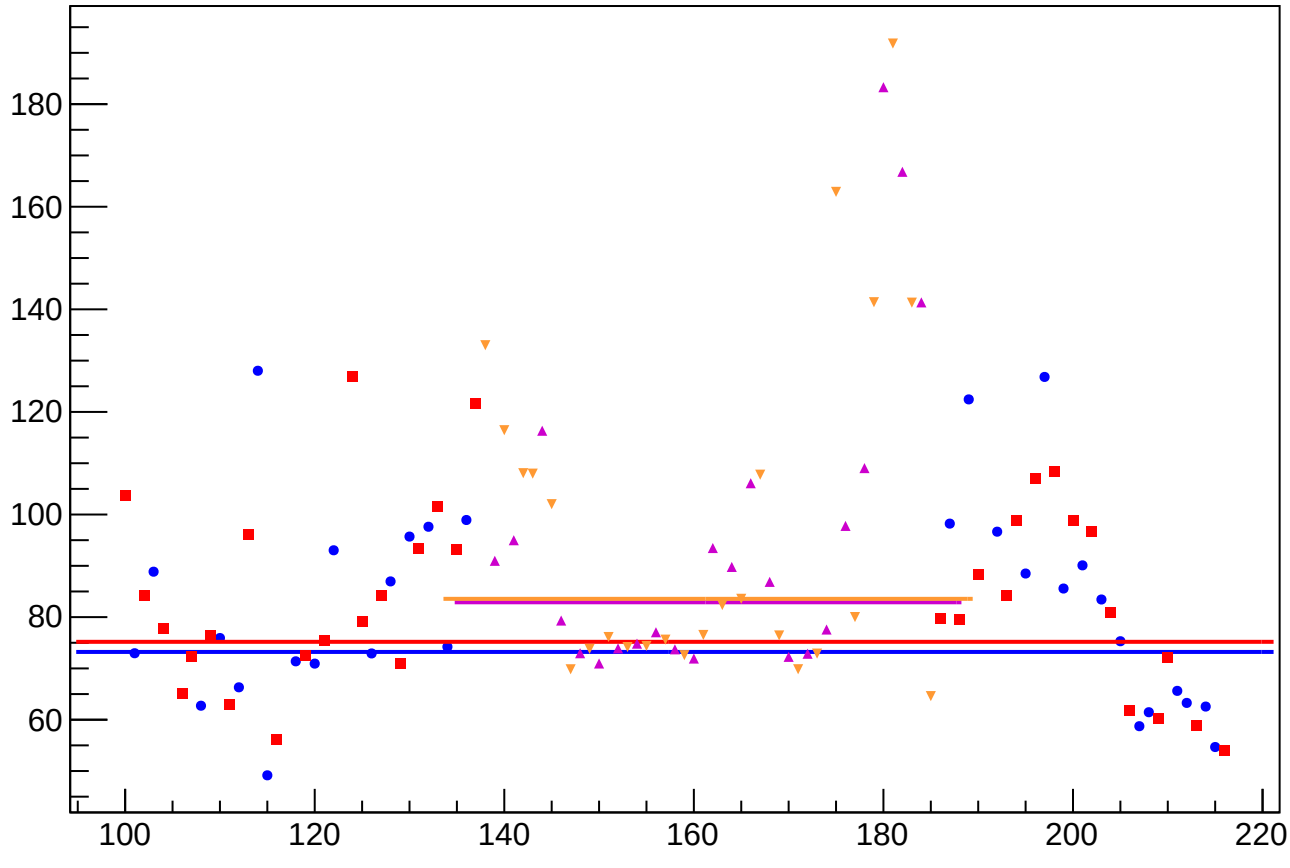
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.007+/-0.013 χ^2/NDF: 74.2/64

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.004+/-0.013 χ^2/NDF:69.3/58

All: -0.001+/-0.009 χ^2/NDF: 136.4/112



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: 75.186+/-0.013 χ^2/NDF: 1560836.3/33

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

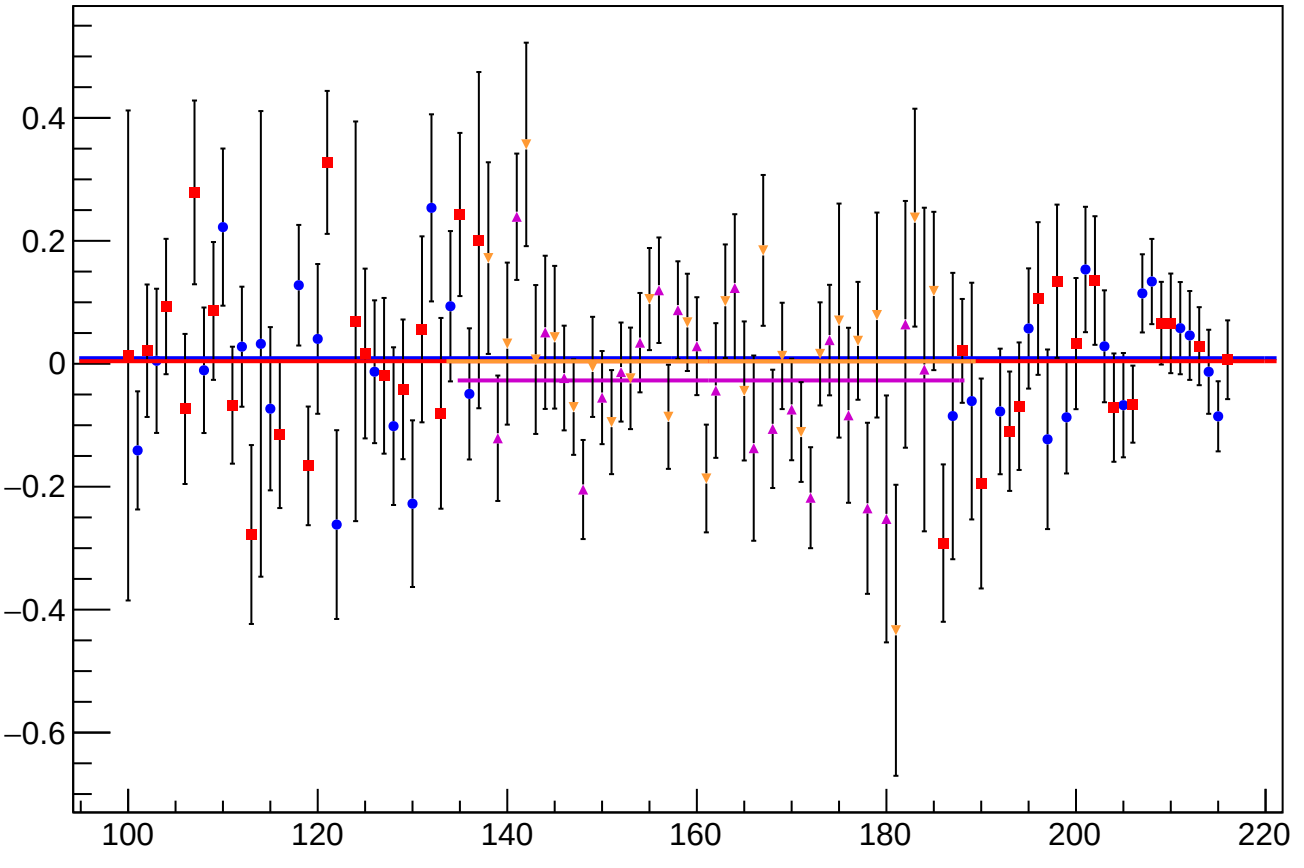
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 74.184+/-0.009 χ^2/NDF: 3202754.4/64

In: 77.314+/-0.009 χ^2/NDF:3458197.5/53

Out: 78.849+/-0.009 χ^2/NDF:3925500.7/58

All: 78.079+/-0.007 χ^2/NDF: 7396812.7/112



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+/-0.018 χ^2/NDF: 41.1/33

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

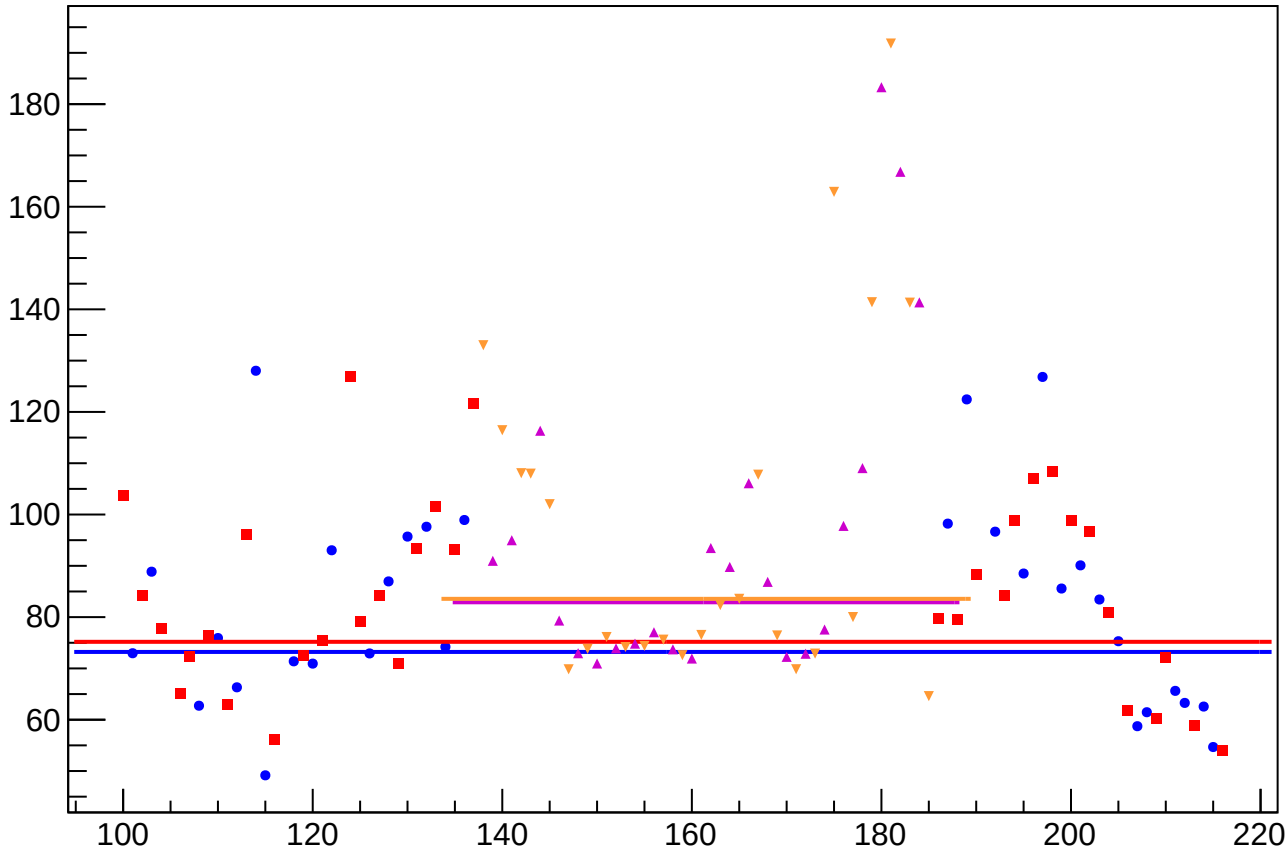
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.007+/-0.013 χ^2/NDF: 74.2/64

In: -0.006+/-0.013 χ^2/NDF:66.8/53

Out: 0.004+/-0.013 χ^2/NDF:69.3/58

All: -0.001+/-0.009 χ^2/NDF: 136.4/112



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: 75.186+/-0.013 χ^2/NDF: 1560836.3/33

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

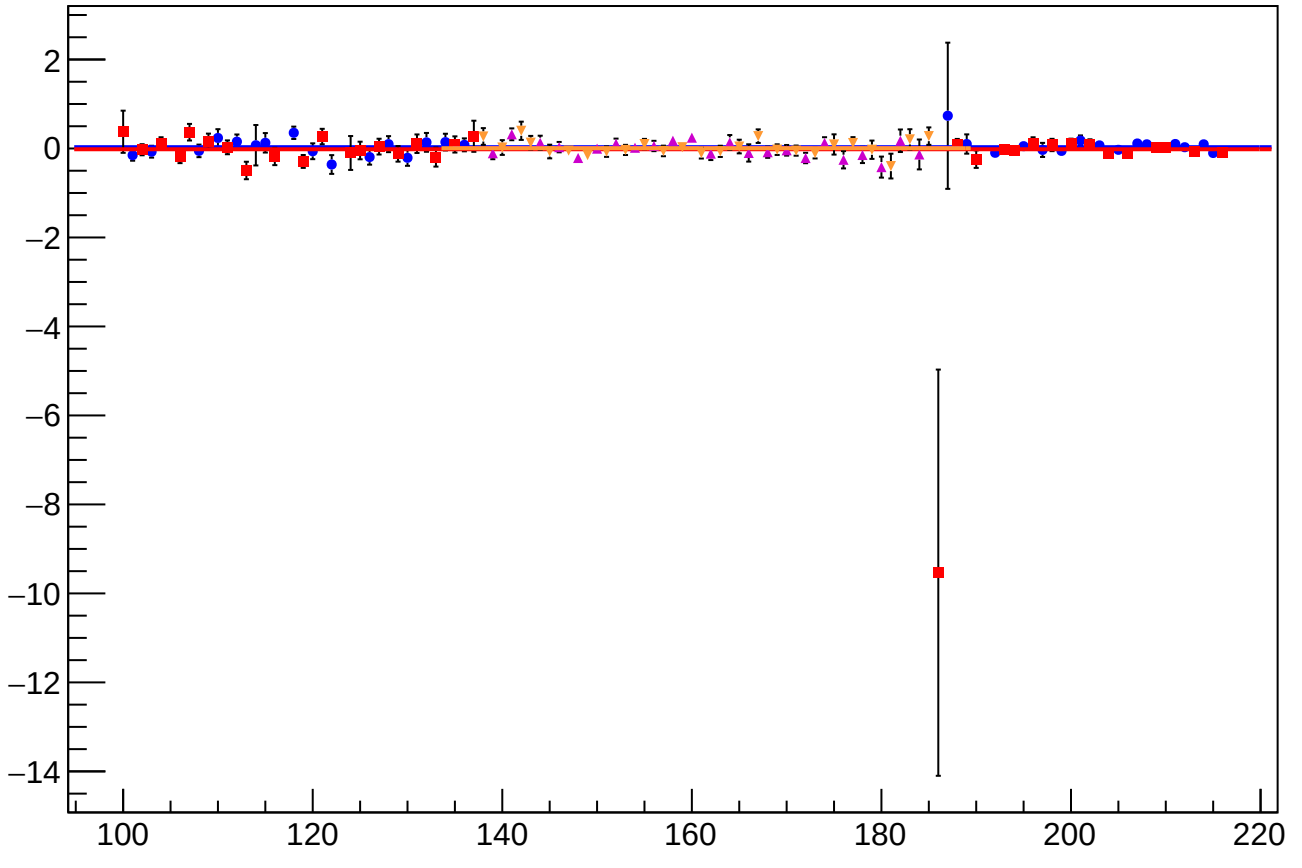
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 74.184+/-0.009 χ^2/NDF: 3202754.4/64

In: 77.314+/-0.009 χ^2/NDF:3458197.5/53

Out: 78.849+/-0.009 χ^2/NDF:3925500.7/58

All: 78.079+/-0.007 χ^2/NDF: 7396812.7/112



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: -0.017+/-0.024 χ^2/NDF: 37.0/33

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

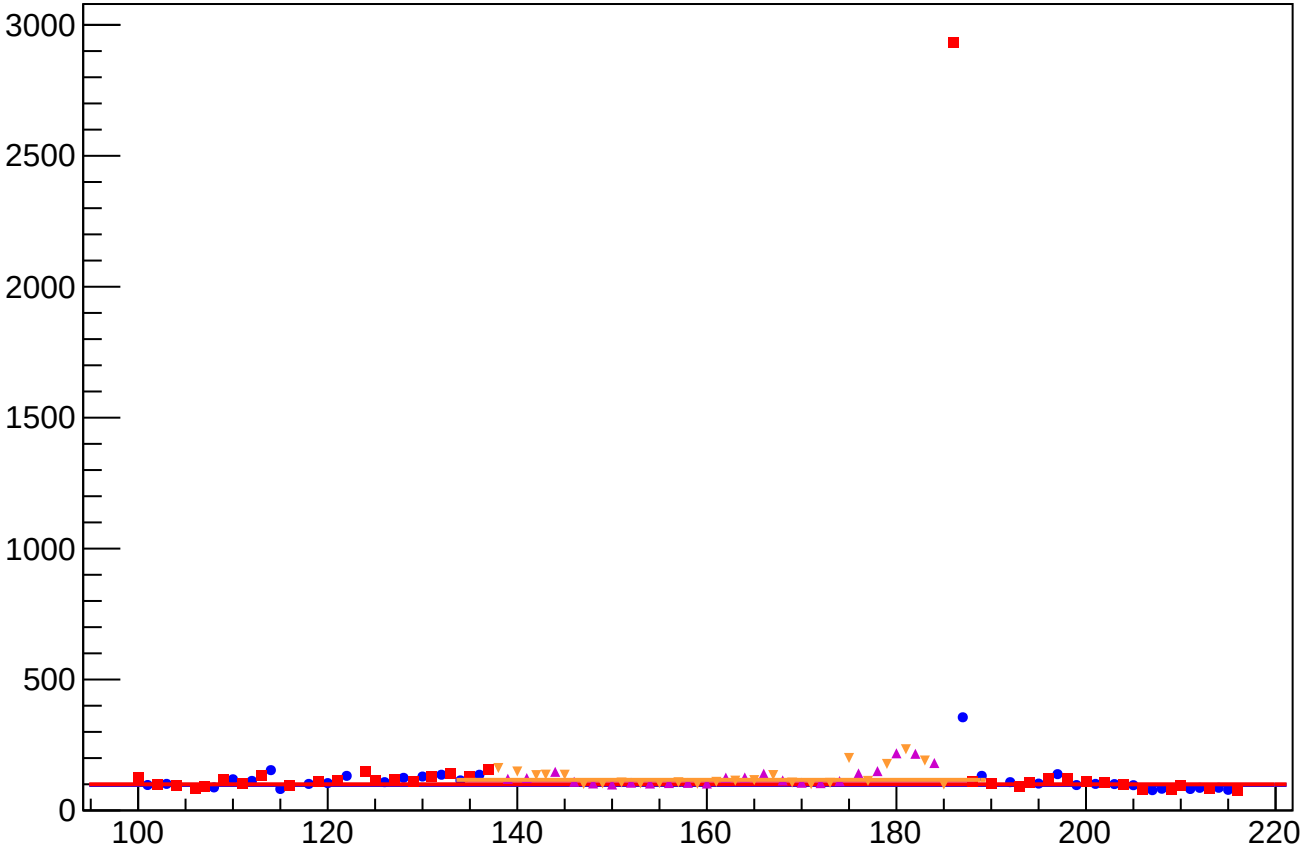
Right: 0.006+/-0.017 χ^2/NDF: 67.0/64

In: 0.022+/-0.018 χ^2/NDF:59.6/53

Out: -0.008+/-0.018 χ^2/NDF:58.7/58

All: 0.007+/-0.013 χ^2/NDF: 119.6/112

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: 99.876+/-0.017 χ^2/NDF: 1758560.8/33

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

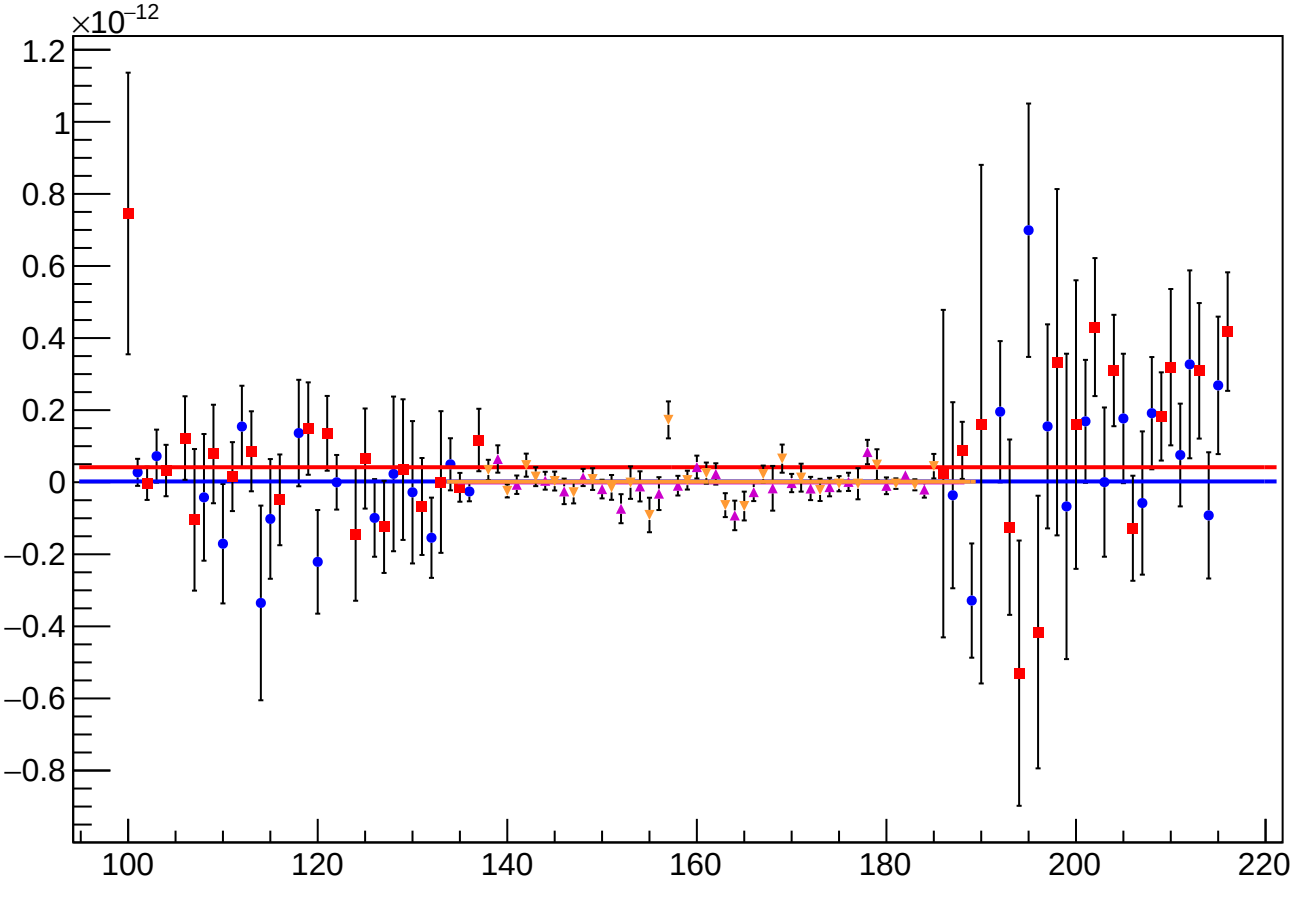
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 98.634+/-0.012 χ^2/NDF: 2905685.6/64

In: 104.857+/-0.013 χ^2/NDF:2878481.0/53

Out: 107.006+/-0.013 χ^2/NDF:3791208.8/58

All: 105.925+/-0.009 χ^2/NDF: 6684061.2/112



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: 37.6/33

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

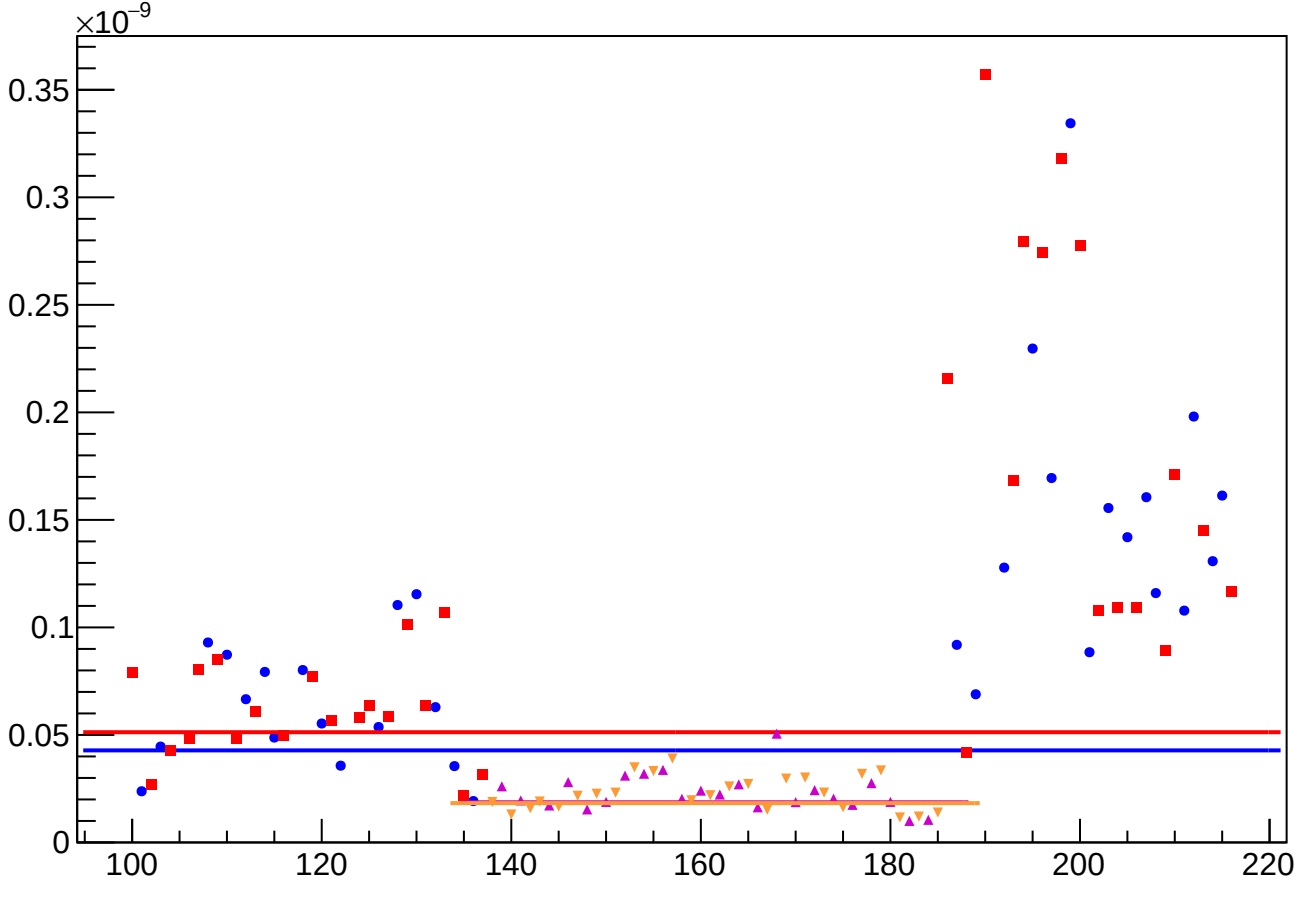
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 71.0/64

In: -0.000+/-0.000 χ^2/NDF:57.8/53

Out: 0.000+/-0.000 χ^2/NDF:78.3/58

All: 0.000+/-0.000 χ^2/NDF: 136.4/112



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: 8633739.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

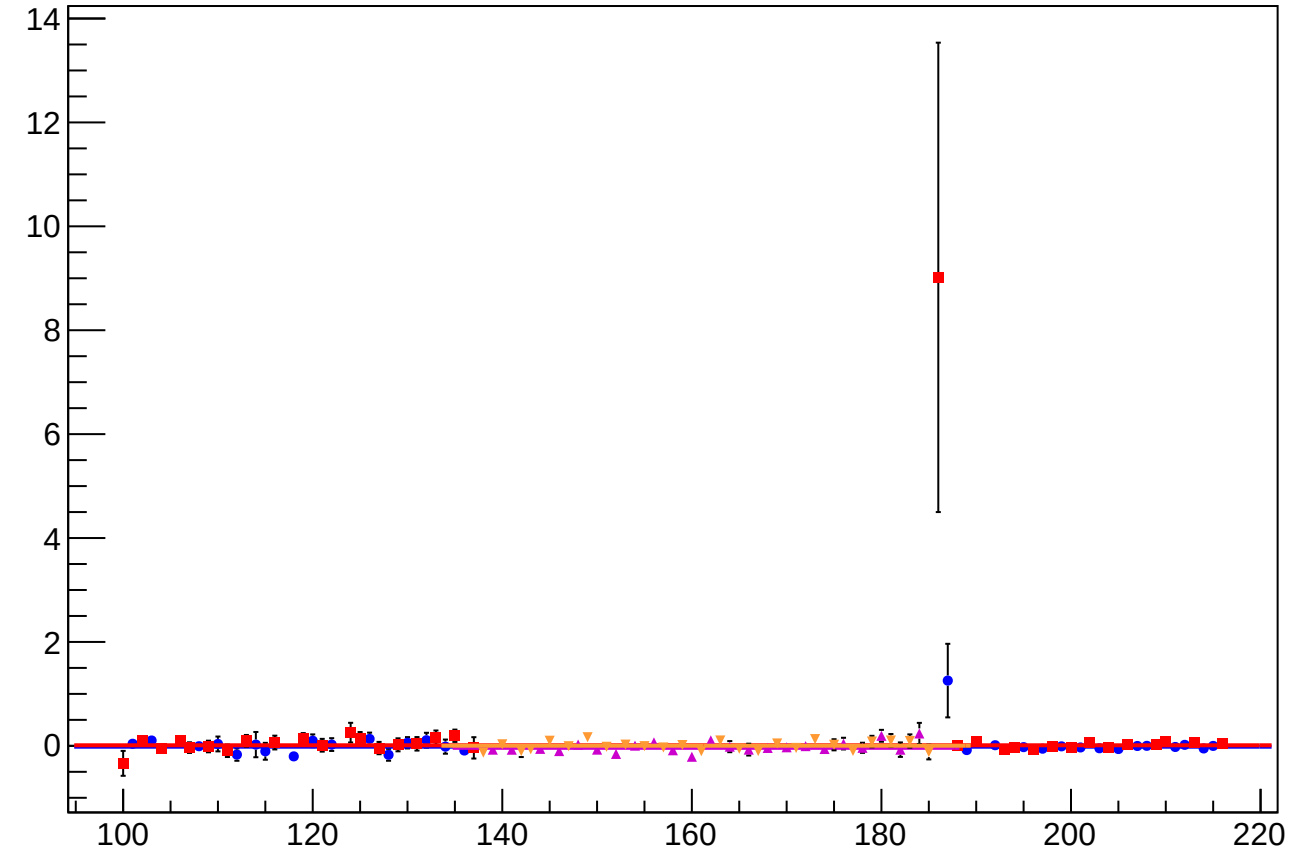
Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

Right: 0.000+/-0.000 χ^2/NDF: 19342084.1/64

In: 0.000+/-0.000 χ^2/NDF:17064094.5/53

Out: 0.000+/-0.000 χ^2/NDF:17140350.4/58

All: 0.000+/-0.000 χ^2/NDF: 34209488.3/112



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: 0.011+/-0.011 χ^2/NDF: 39.9/33

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

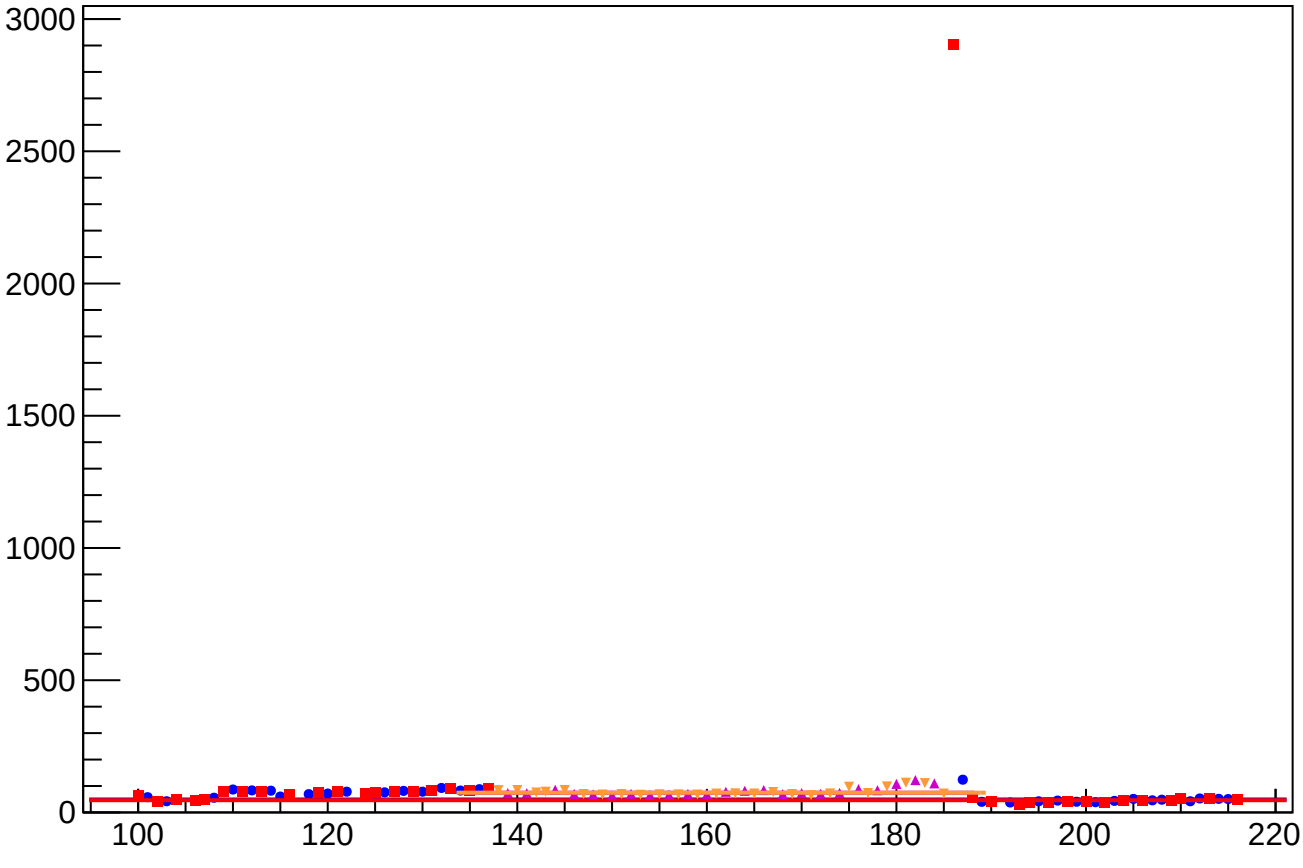
Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

Right: -0.002+/-0.008 χ^2/NDF: 67.5/64

In: -0.023+/-0.010 χ^2/NDF:47.5/53

Out: 0.008+/-0.010 χ^2/NDF:61.6/58

All: -0.007+/-0.007 χ^2/NDF: 114.3/112



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: 46.285+/-0.008 χ^2/NDF: 3676516.3/33

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

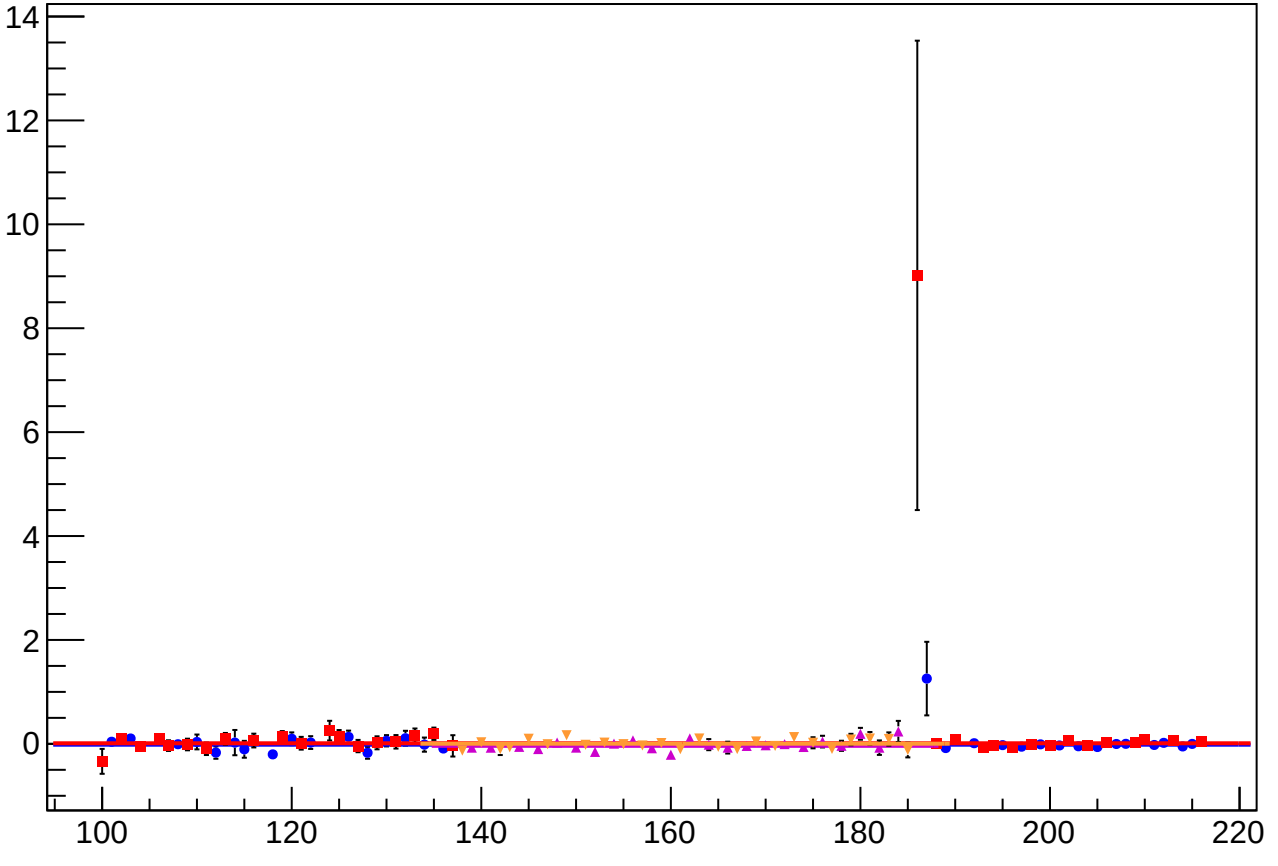
Right: 47.560+/-0.006 χ^2/NDF: 6027717.9/64

In: 56.769+/-0.007 χ^2/NDF:5877381.1/53

Out: 54.818+/-0.007 χ^2/NDF:8157432.3/58

All: 55.760+/-0.005 χ^2/NDF: 14075211.9/112

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: 0.011+/-0.011 χ^2/NDF: 39.9/33

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

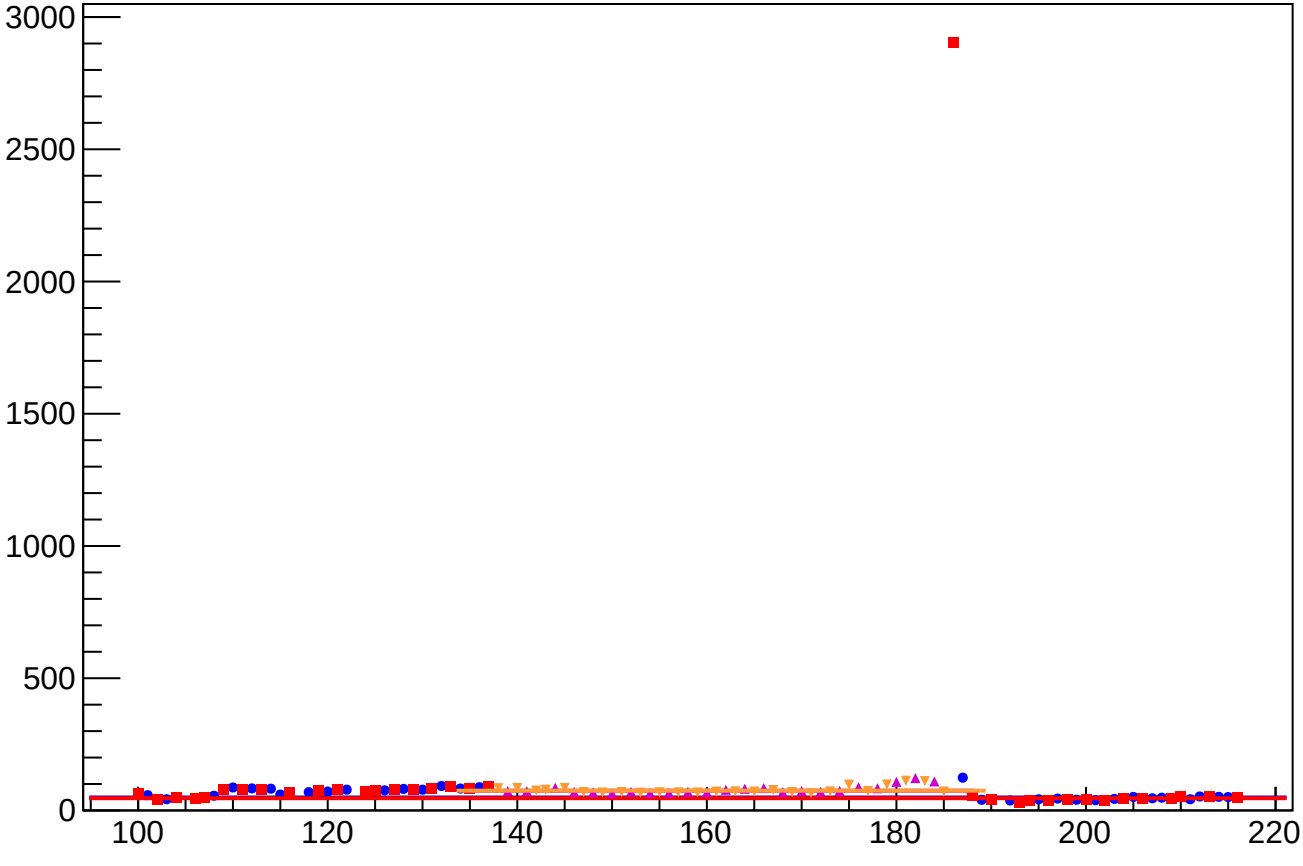
Right: -0.002+/-0.008 χ^2/NDF: 67.5/64

In: -0.023+/-0.010 χ^2/NDF:47.5/53

Out: 0.008+/-0.010 χ^2/NDF:61.6/58

All: -0.007+/-0.007 χ^2/NDF: 114.3/112

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: 46.285+/-0.008 χ^2/NDF: 3676516.3/33

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

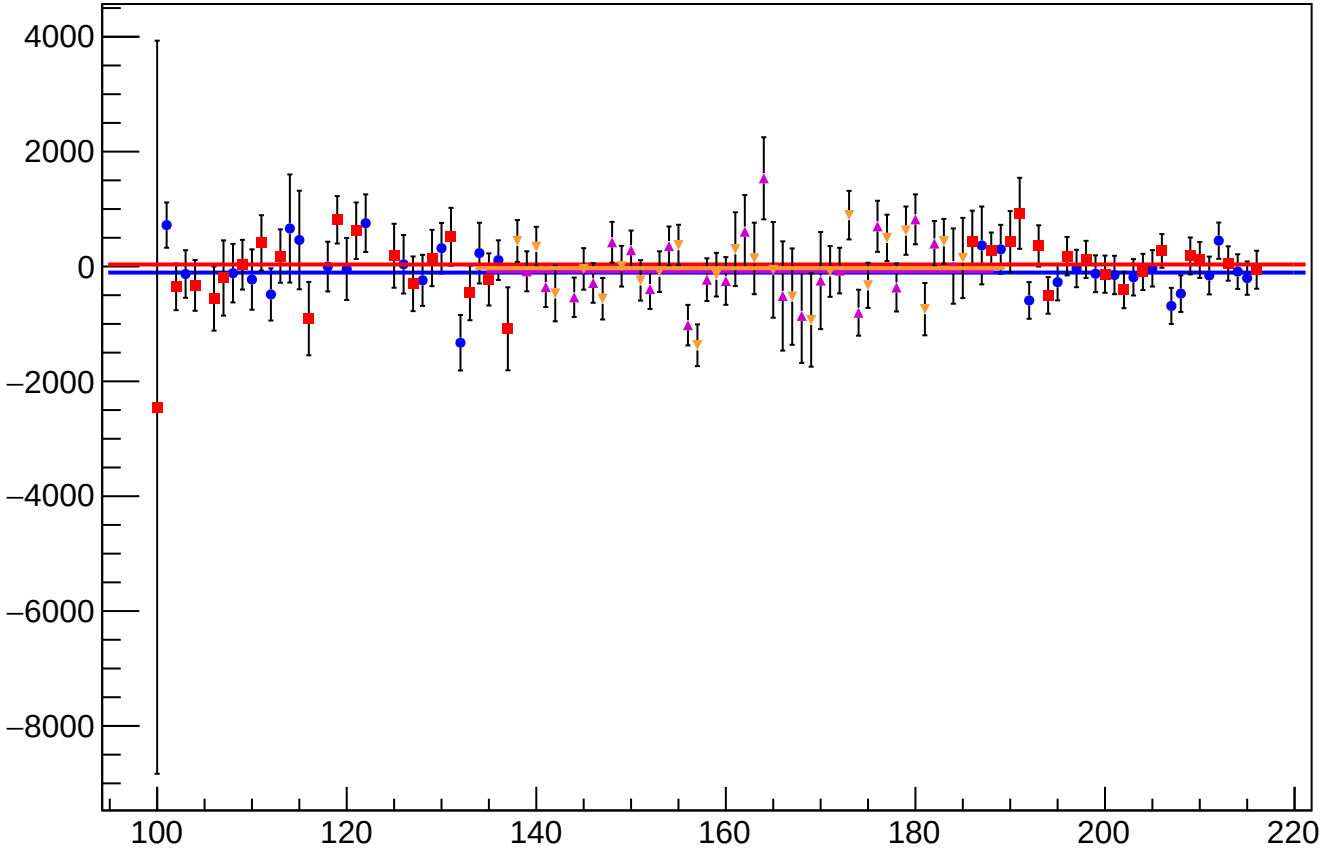
Right: 47.560+/-0.006 χ^2/NDF: 6027717.9/64

In: 56.769+/-0.007 χ^2/NDF:5877381.1/53

Out: 54.818+/-0.007 χ^2/NDF:8157432.3/58

All: 55.760+/-0.005 χ^2/NDF: 14075211.9/112

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: 34.946+/-69.380 χ^2/NDF: 27.4/33

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

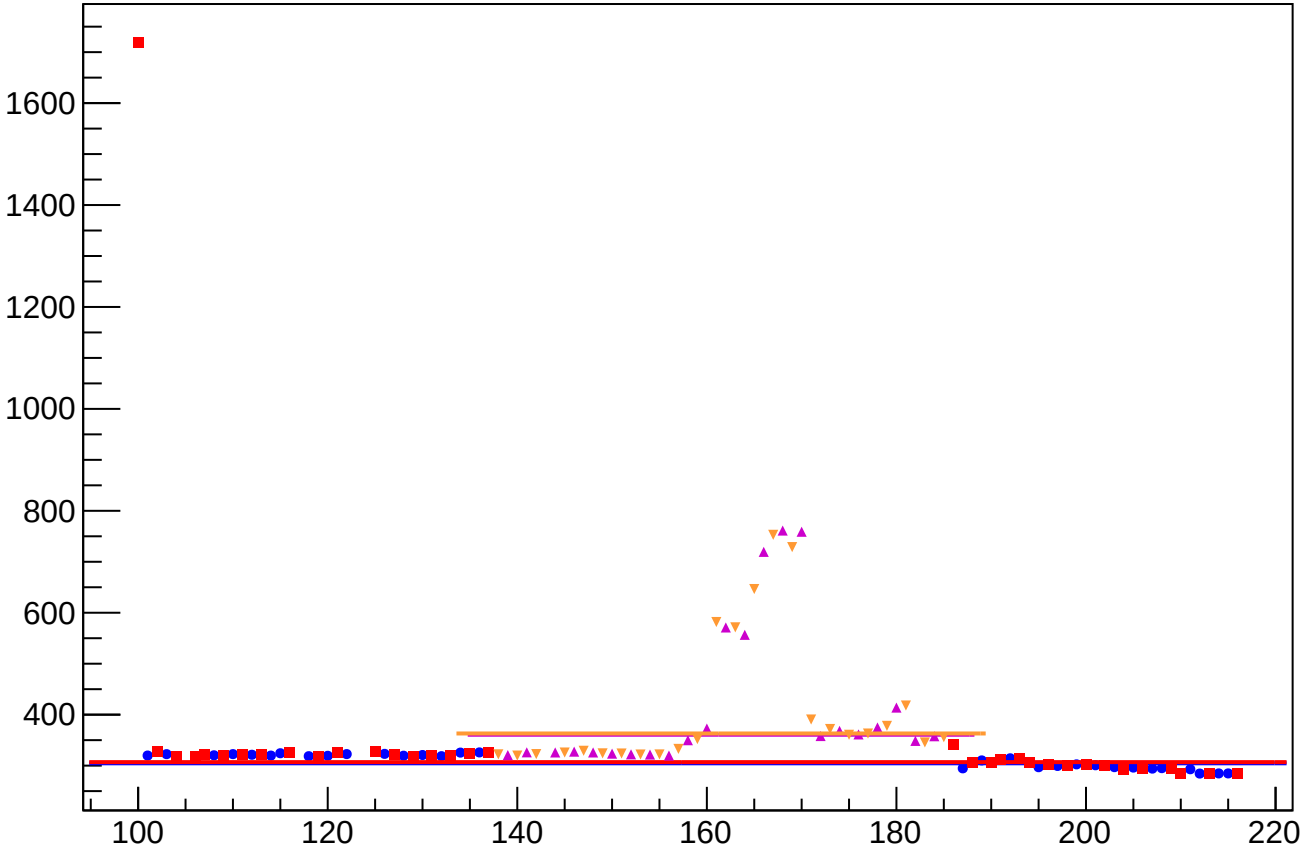
Right: -35.513+/-49.062 χ^2/NDF: 59.1/64

In: -97.267+/-54.119 χ^2/NDF:65.6/53

Out: 9.788+/-54.129 χ^2/NDF:64.3/57

All: -43.749+/-38.272 χ^2/NDF: 131.8/111

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: 306.872+/-0.049 χ^2/NDF: 183412.9/33

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

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

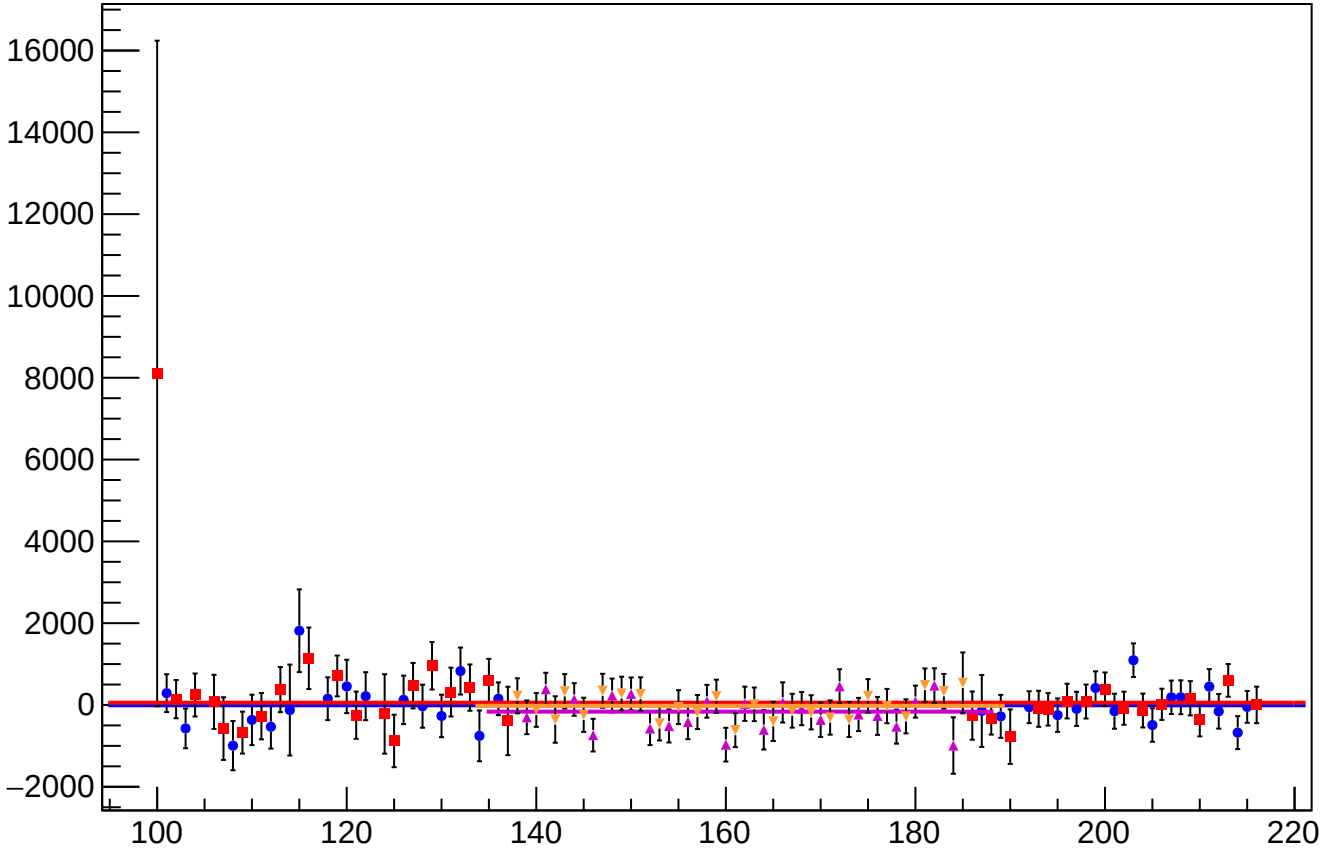
Right: 305.719+/-0.035 χ^2/NDF: 265903.1/64

In: 326.507+/-0.038 χ^2/NDF:2409646.1/53

Out: 328.867+/-0.038 χ^2/NDF:2492640.1/57

All: 327.687+/-0.027 χ^2/NDF: 4904187.0/11

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: 56.179+/-86.489 χ^2/NDF: 22.7/33

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

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

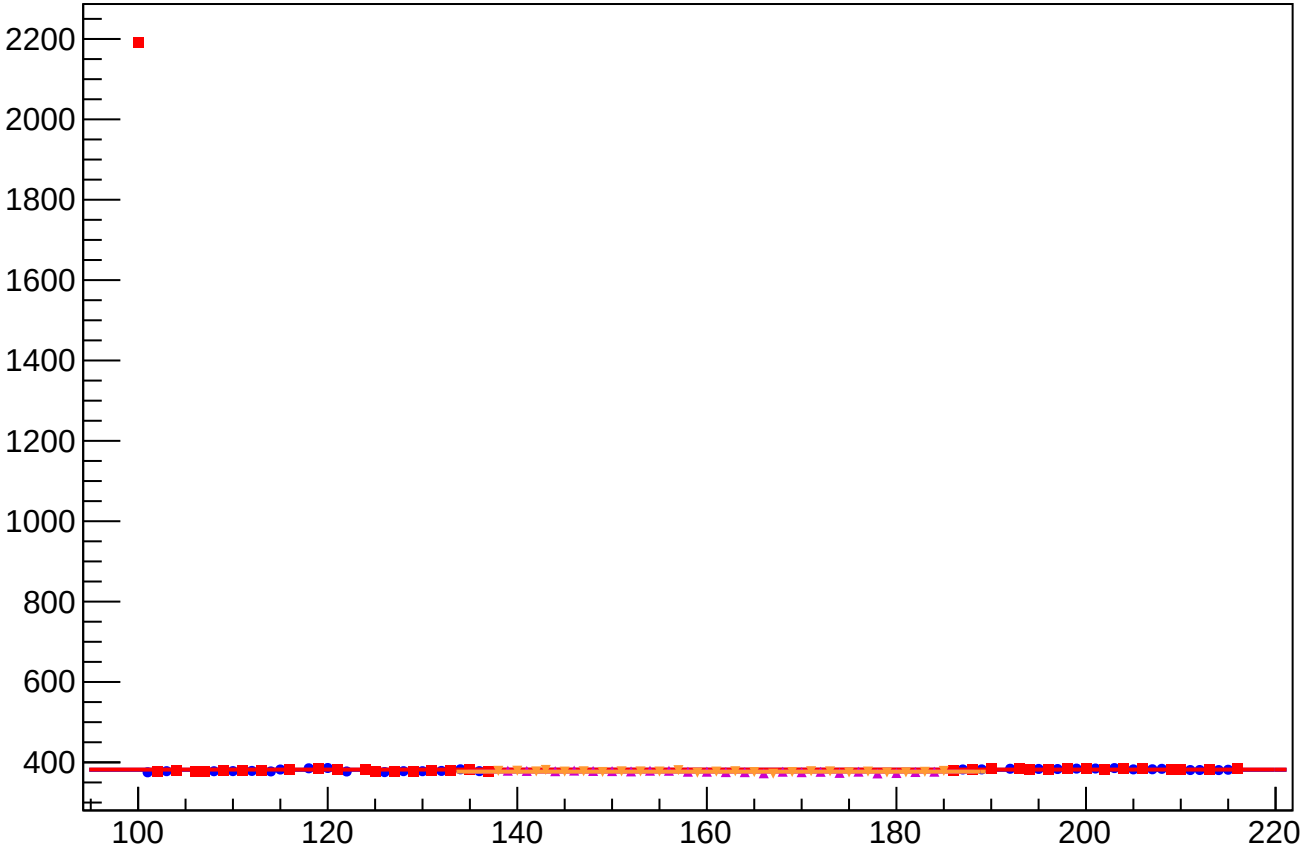
Right: 24.524+/-61.266 χ^2/NDF: 51.7/64

In: -84.113+/-61.793 χ^2/NDF:52.1/53

Out: 17.169+/-60.847 χ^2/NDF:35.7/58

All: -32.691+/-43.356 χ^2/NDF: 89.1/112

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: 382.039+/-0.061 χ^2/NDF: 100743.4/33

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

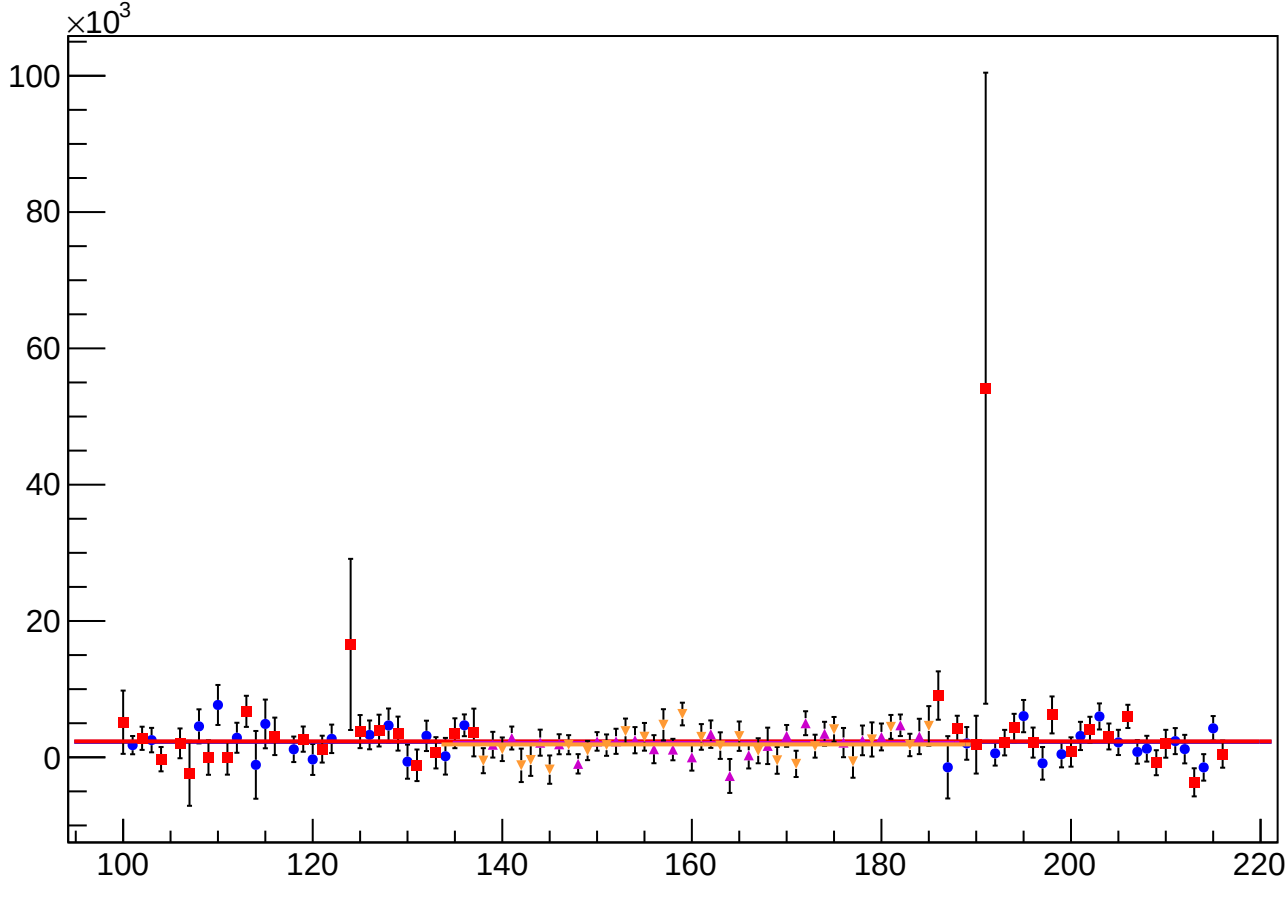
Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

Right: 381.740+/-0.043 χ^2/NDF: 103044.9/64

In: 379.173+/-0.044 χ^2/NDF:6088.5/53

Out: 379.447+/-0.043 χ^2/NDF:105360.3/58

All: 379.312+/-0.031 χ^2/NDF: 111468.6/112



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: 2334.538+/-384.968 χ^2/NDF: 42.3/34

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

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

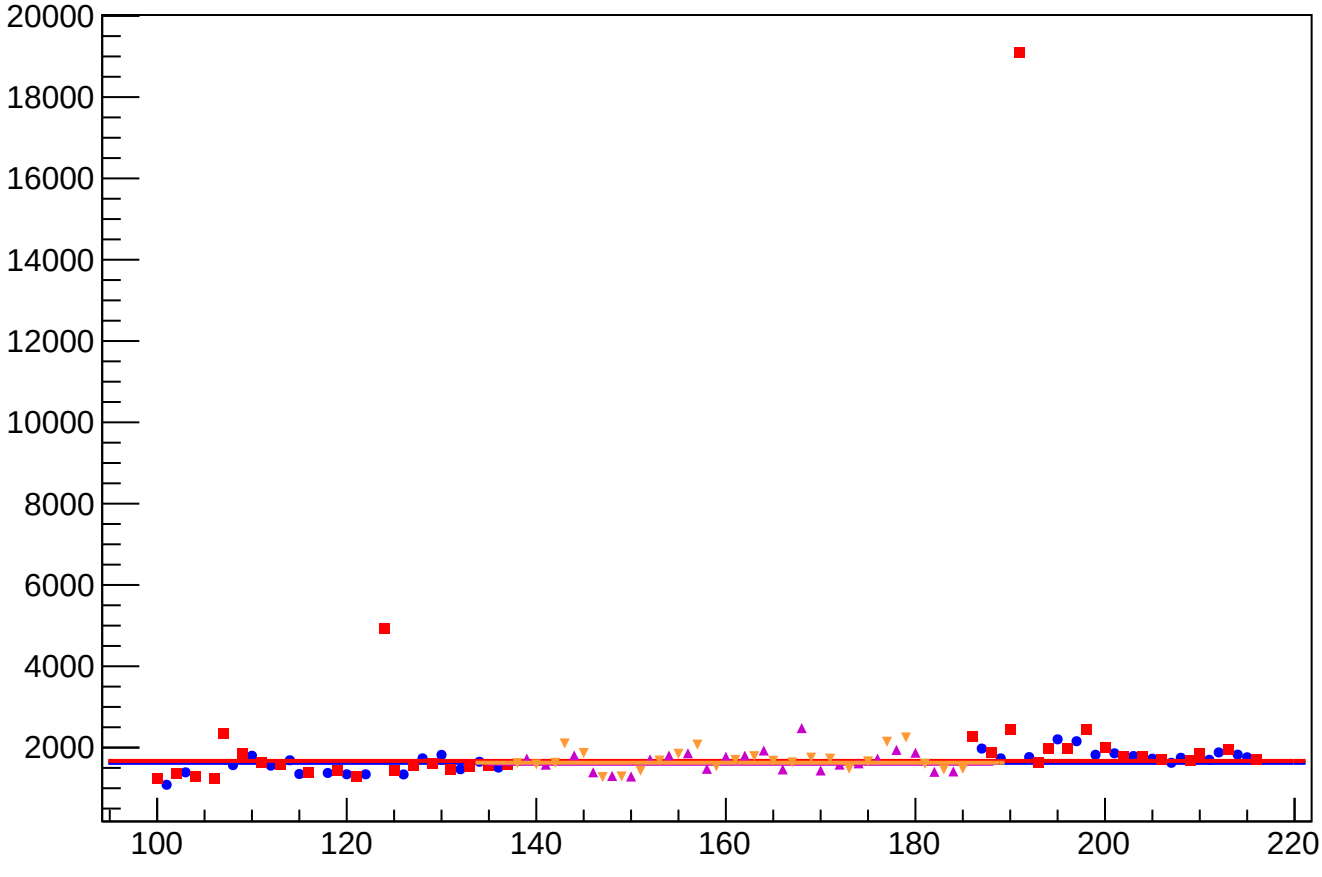
Right: 2300.058+/-268.785 χ^2/NDF: 72.0/65

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

Out: 2107.227+/-268.726 χ^2/NDF:71.4/59

All: 2147.464+/-189.314 χ^2/NDF: 119.7/113

asym_us_agg_avg_rms vs Slug, Sign Corrected



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: 1672.663+/-0.272 χ^2/NDF: 1421222.5/34

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

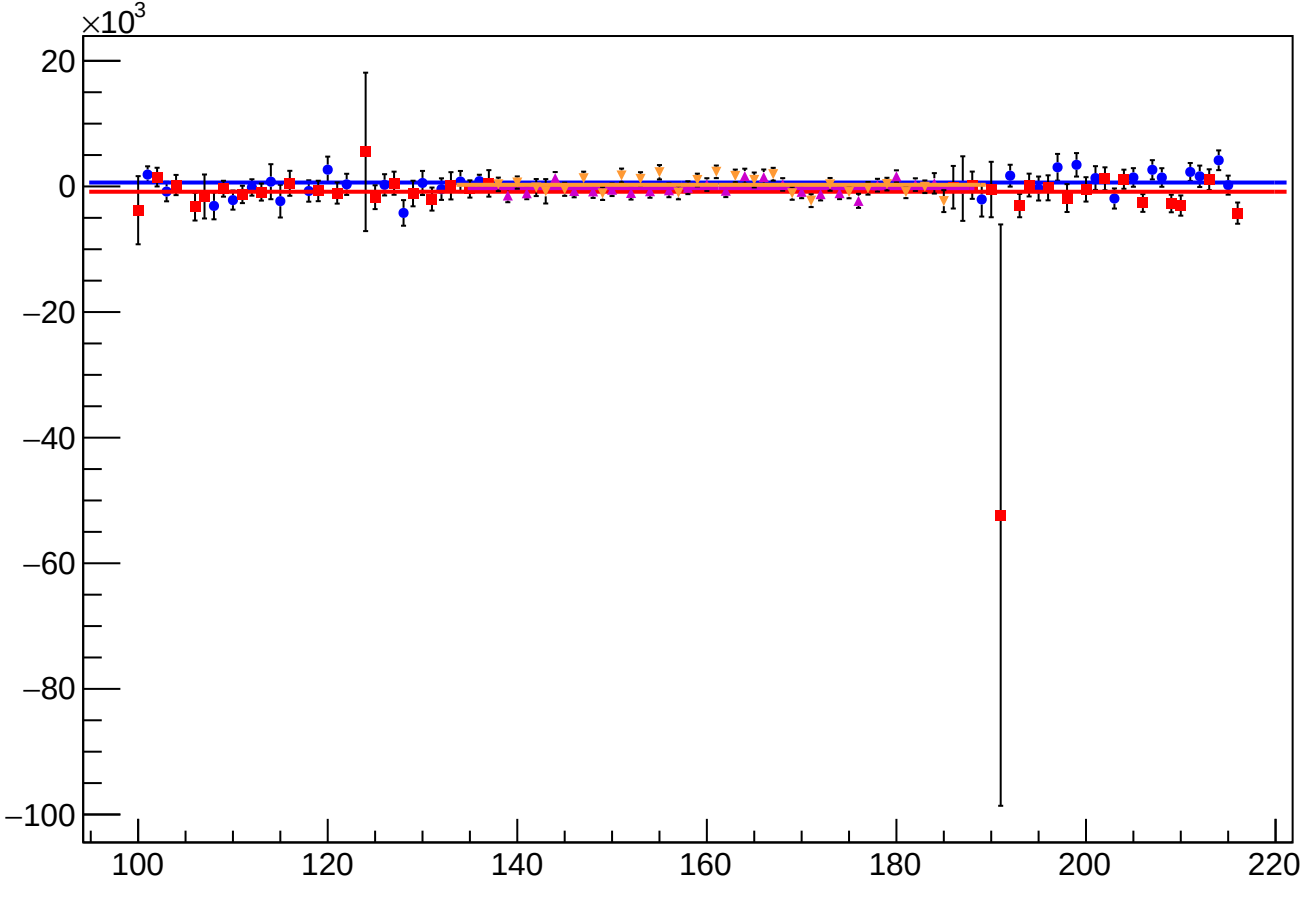
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1647.761+/-0.190 χ^2/NDF: 2383076.7/65

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

Out: 1650.008+/-0.190 χ^2/NDF:2213825.4/59

All: 1631.314+/-0.134 χ^2/NDF: 3975873.1/11



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: -843.287+/-309.703 χ^2/NDF: 24.6/34

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

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

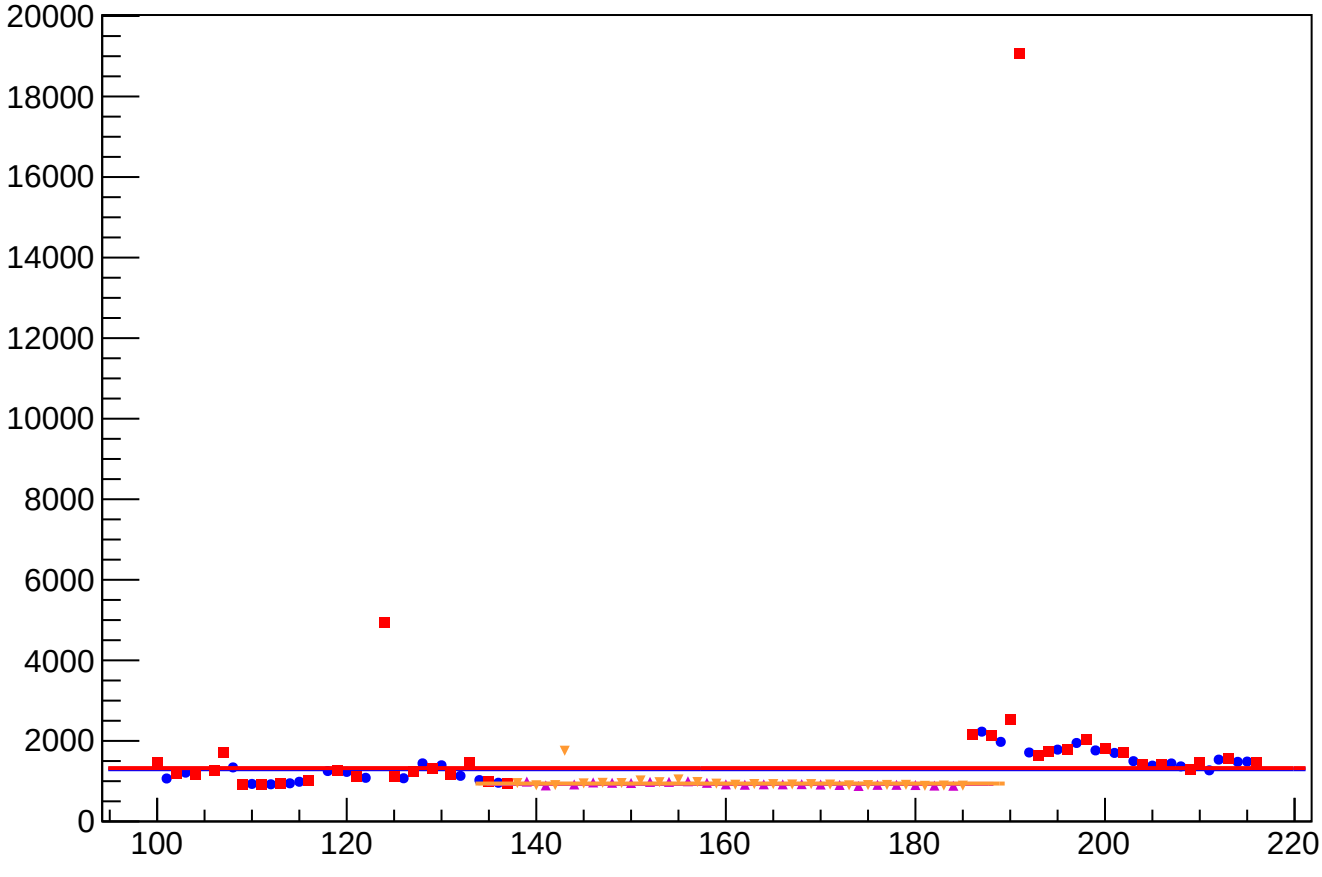
Right: -92.781+/-216.485 χ^2/NDF: 70.7/65

In: 36.749+/-176.736 χ^2/NDF:61.8/53

Out: -97.102+/-176.593 χ^2/NDF:67.1/59

All: -30.231+/-124.921 χ^2/NDF: 129.1/113

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: 1324.753+/-0.219 χ^2/NDF: 2710492.4/34

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

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

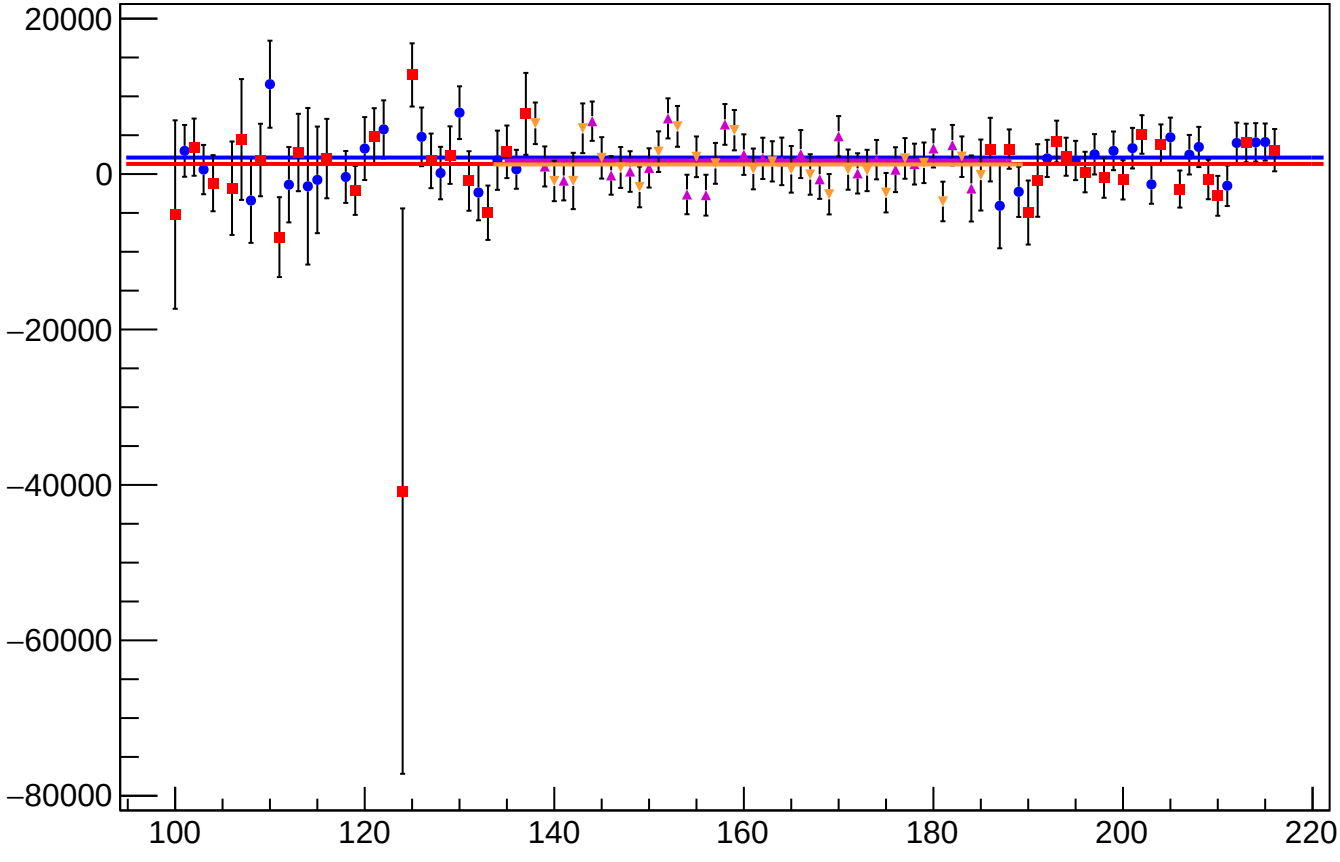
Right: 1310.462+/-0.153 χ^2/NDF: 4496039.5/65

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

Out: 1065.778+/-0.125 χ^2/NDF:5200413.4/59

All: 1060.918+/-0.088 χ^2/NDF: 8948635.8/11

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: 1303.666+/-558.112 χ^2/NDF: 37.7/34

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

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

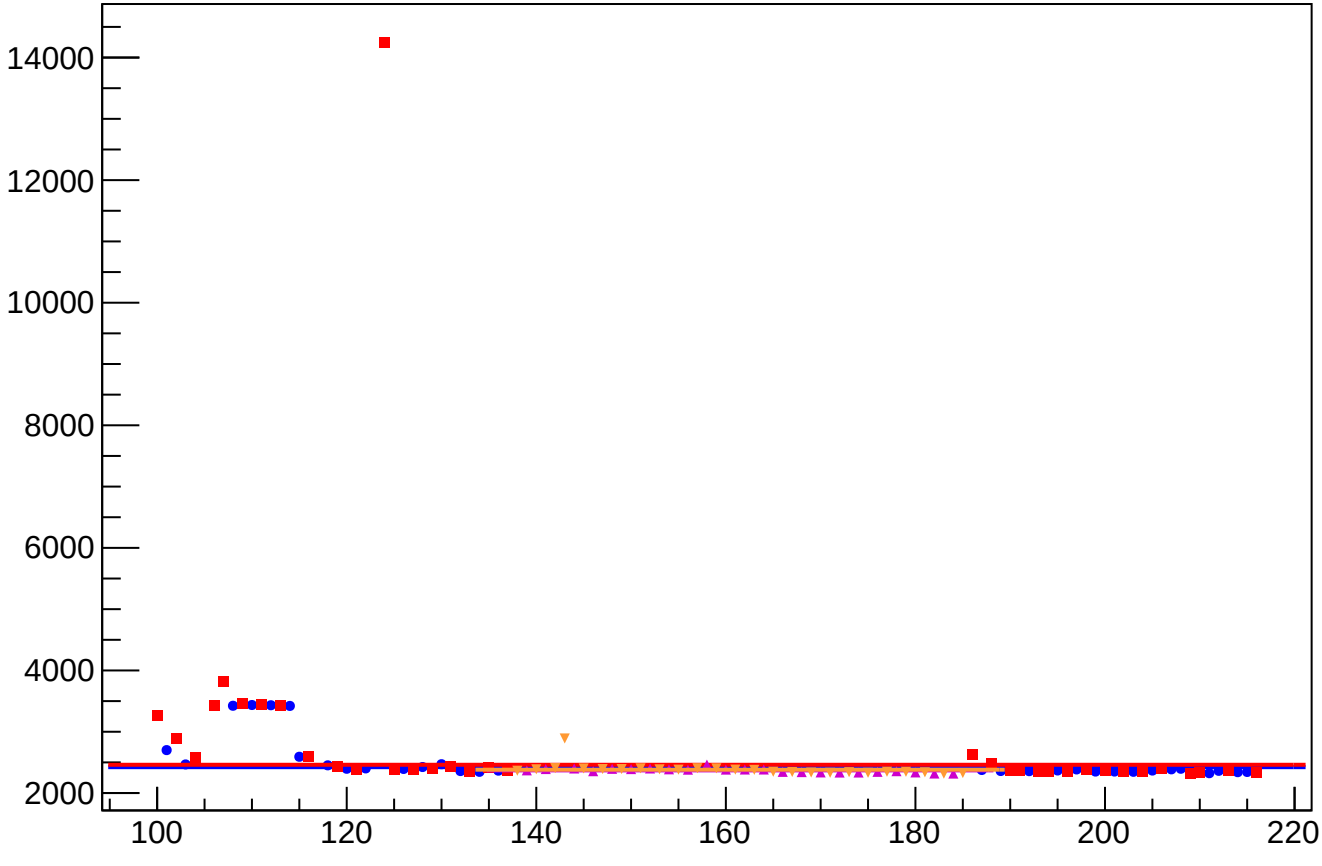
Right: 1716.512+/-392.894 χ^2/NDF: 61.6/65

In: 1931.941+/-391.187 χ^2/NDF:47.4/53

Out: 1268.143+/-388.561 χ^2/NDF:61.5/59

All: 1597.806+/-275.678 χ^2/NDF: 110.4/113

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: 2461.183+/-0.395 χ^2/NDF: 654409.8/34

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

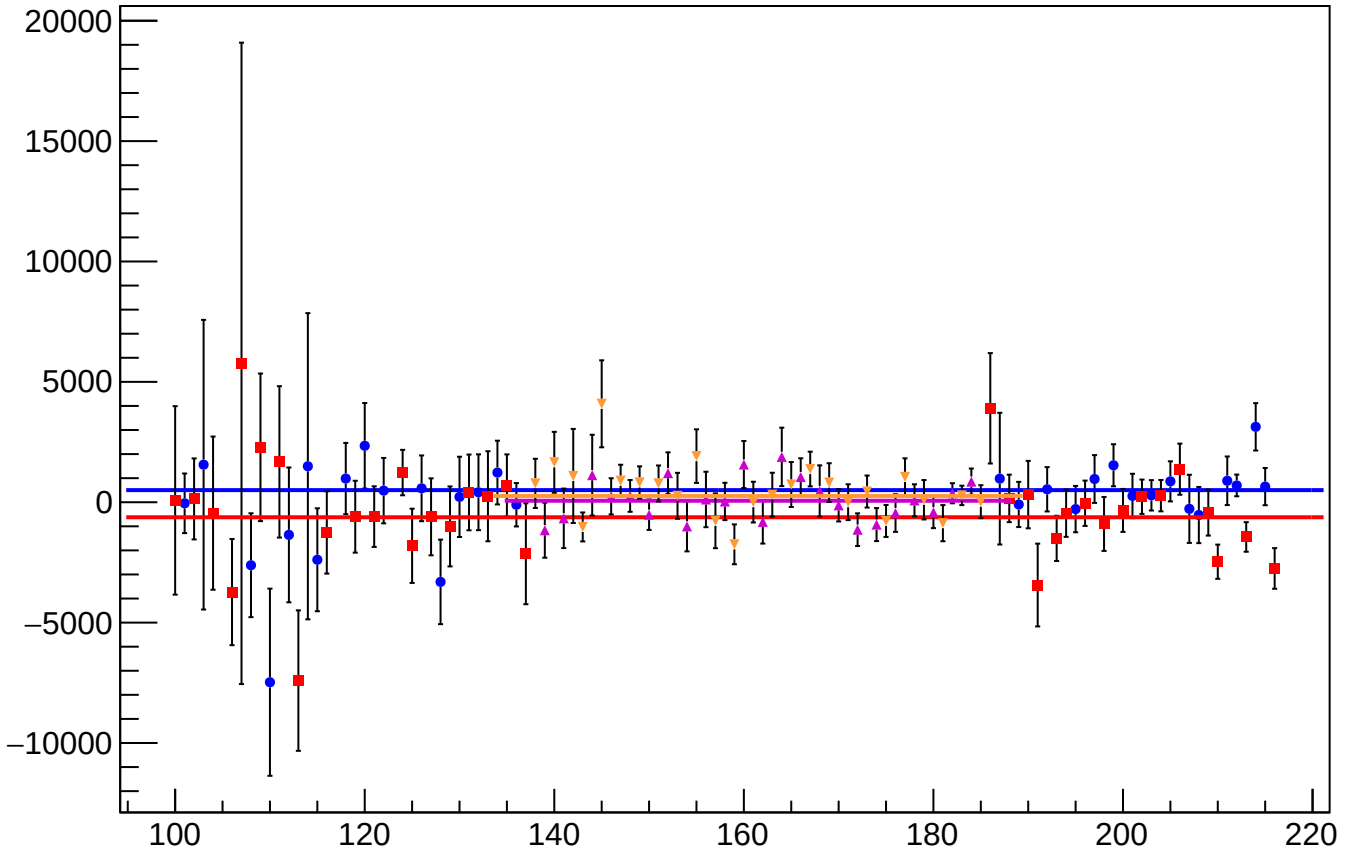
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2441.452+/-0.278 χ^2/NDF: 936336.2/65

In: 2395.729+/-0.277 χ^2/NDF:293074.0/53

Out: 2419.986+/-0.275 χ^2/NDF:733180.1/59

All: 2407.939+/-0.195 χ^2/NDF: 1030125.1/11



Right In: 503.206+/-192.831 χ^2/NDF: 27.2/30

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -623.986+/-195.891 χ^2/NDF: 47.1/34

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

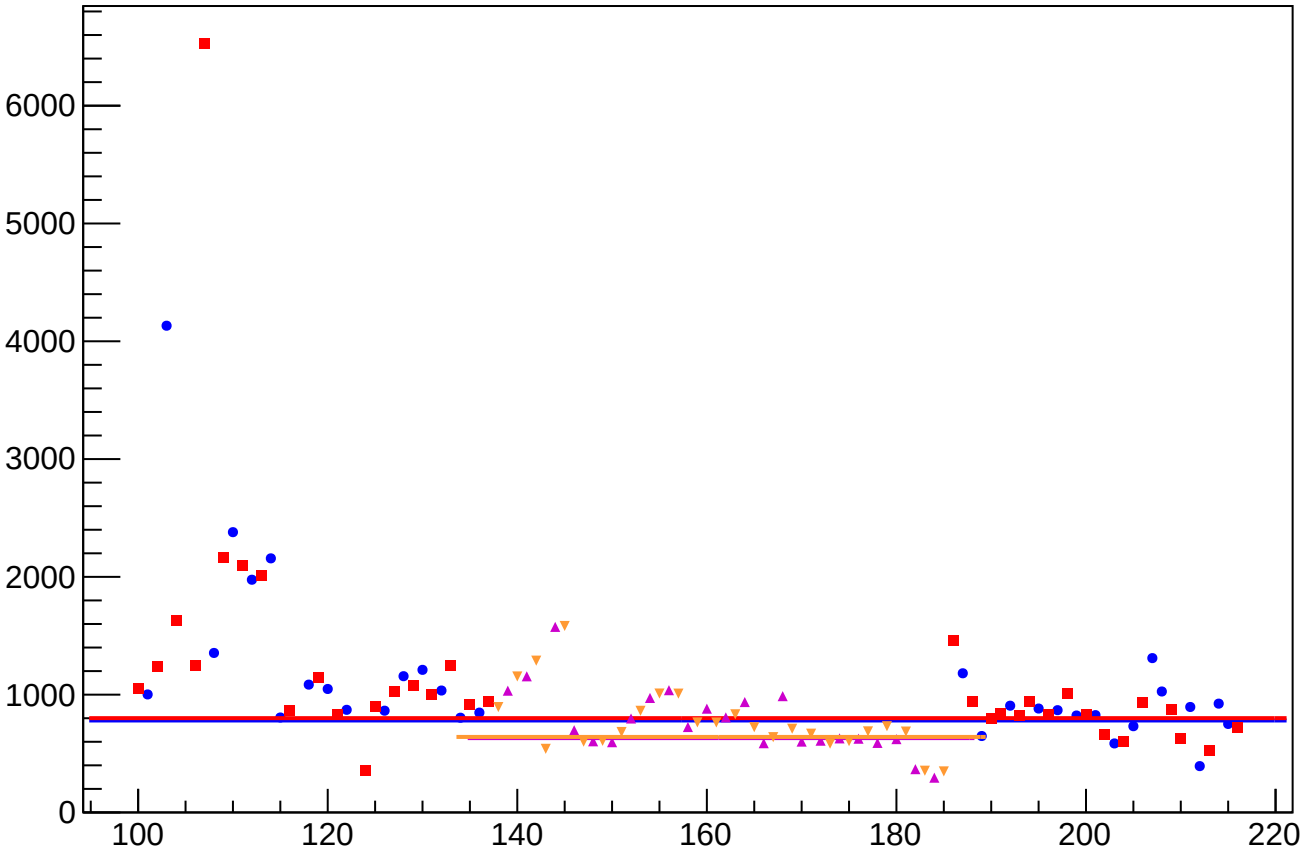
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -51.518+/-137.421 χ^2/NDF: 91.1/65

In: 238.388+/-121.933 χ^2/NDF:52.3/53

Out: -76.518+/-121.072 χ^2/NDF:90.8/59

All: 79.819+/-85.913 χ^2/NDF: 146.5/113



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: 800.603+/-0.139 χ^2/NDF: 3801854.0/34

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

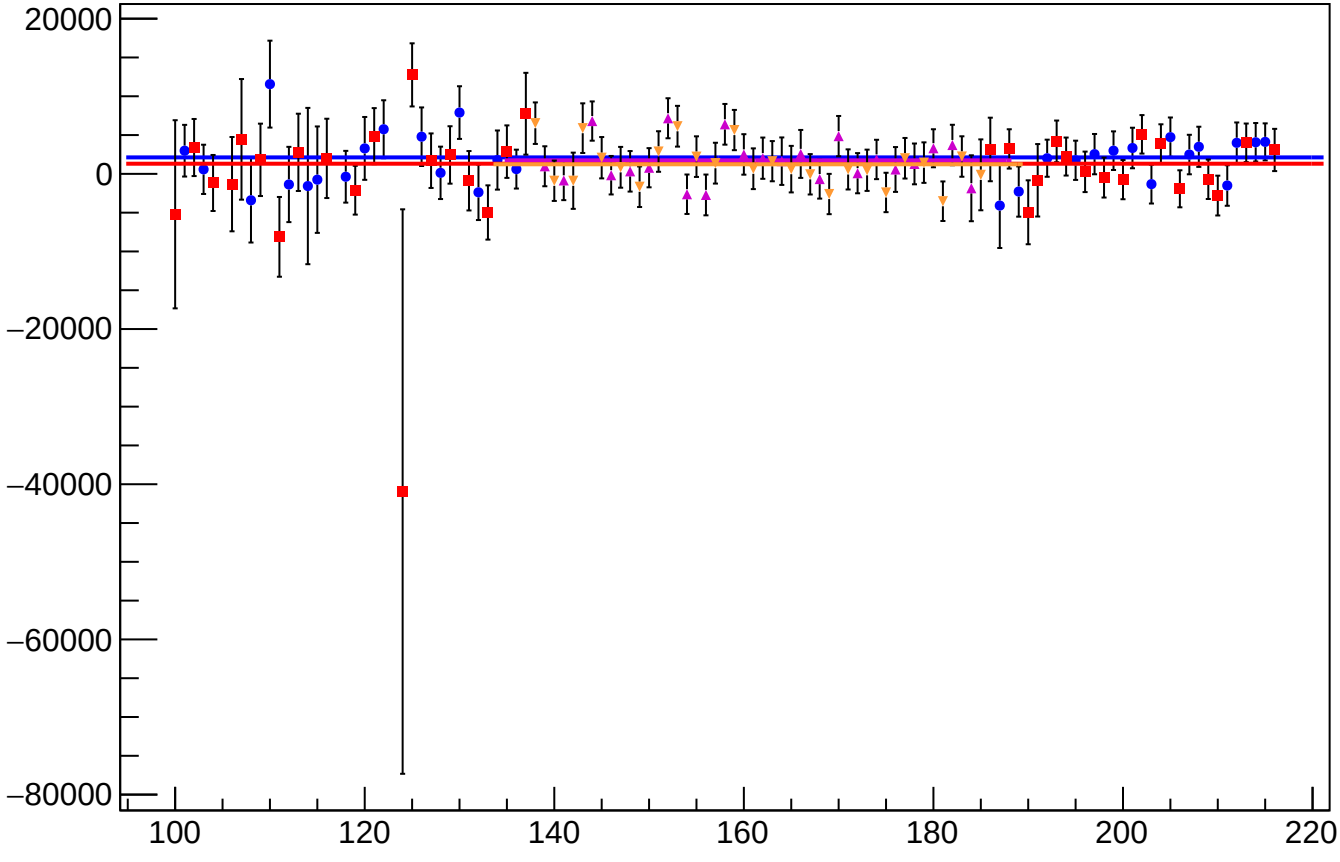
Right: 790.588+/-0.097 χ^2/NDF: 8148714.5/65

In: 691.049+/-0.086 χ^2/NDF:9035280.1/53

Out: 702.064+/-0.086 χ^2/NDF:8095605.5/59

All: 696.596+/-0.061 χ^2/NDF: 17139104.5/11

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: 1306.784+/-558.167 χ^2/NDF: 37.6/34

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

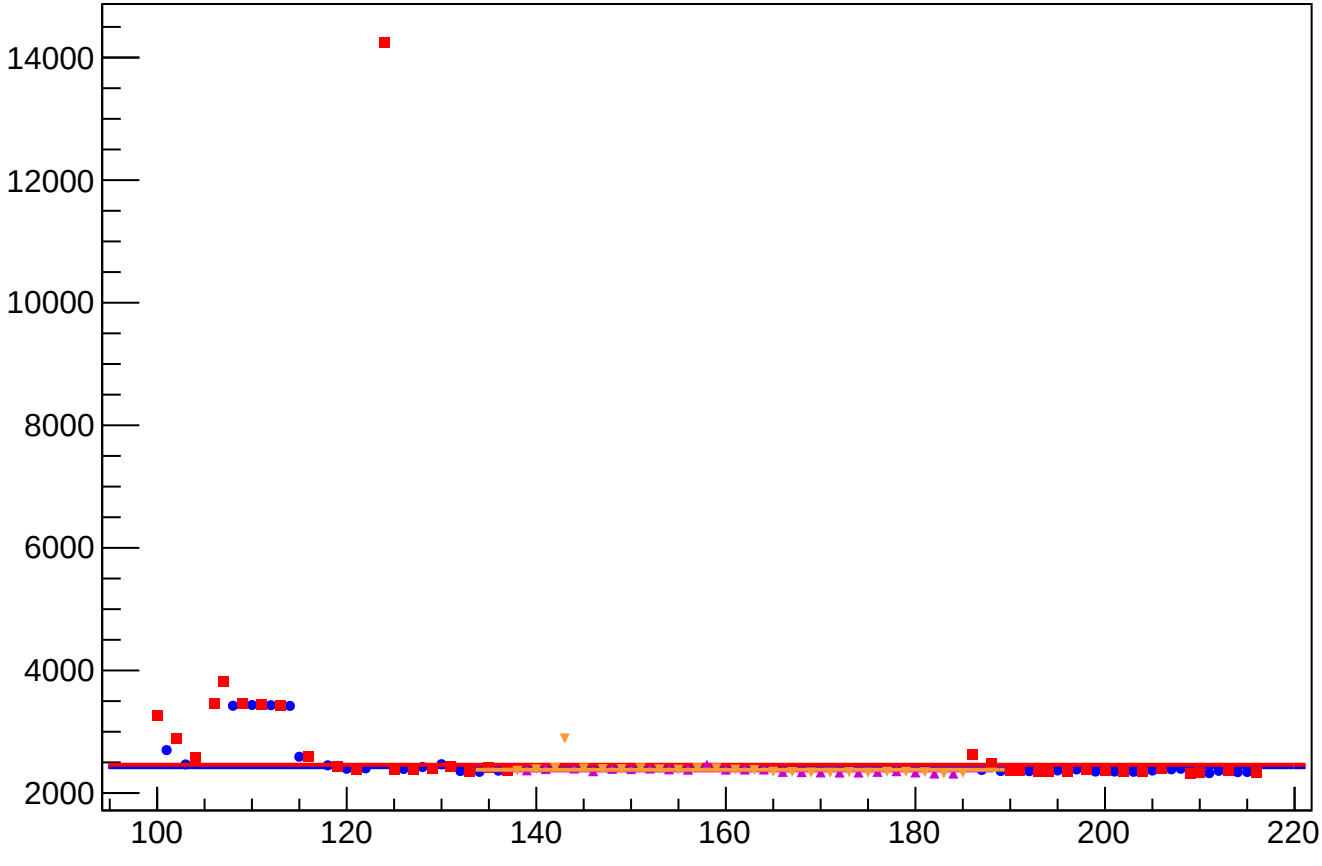
Right: 1718.202+/-392.913 χ^2/NDF: 61.5/65

In: 1932.072+/-391.187 χ^2/NDF:47.4/53

Out: 1269.639+/-388.579 χ^2/NDF:61.4/59

All: 1598.640+/-275.685 χ^2/NDF: 110.3/113

cor_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: 2461.325+/-0.395 χ^2/NDF: 657371.8/34

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

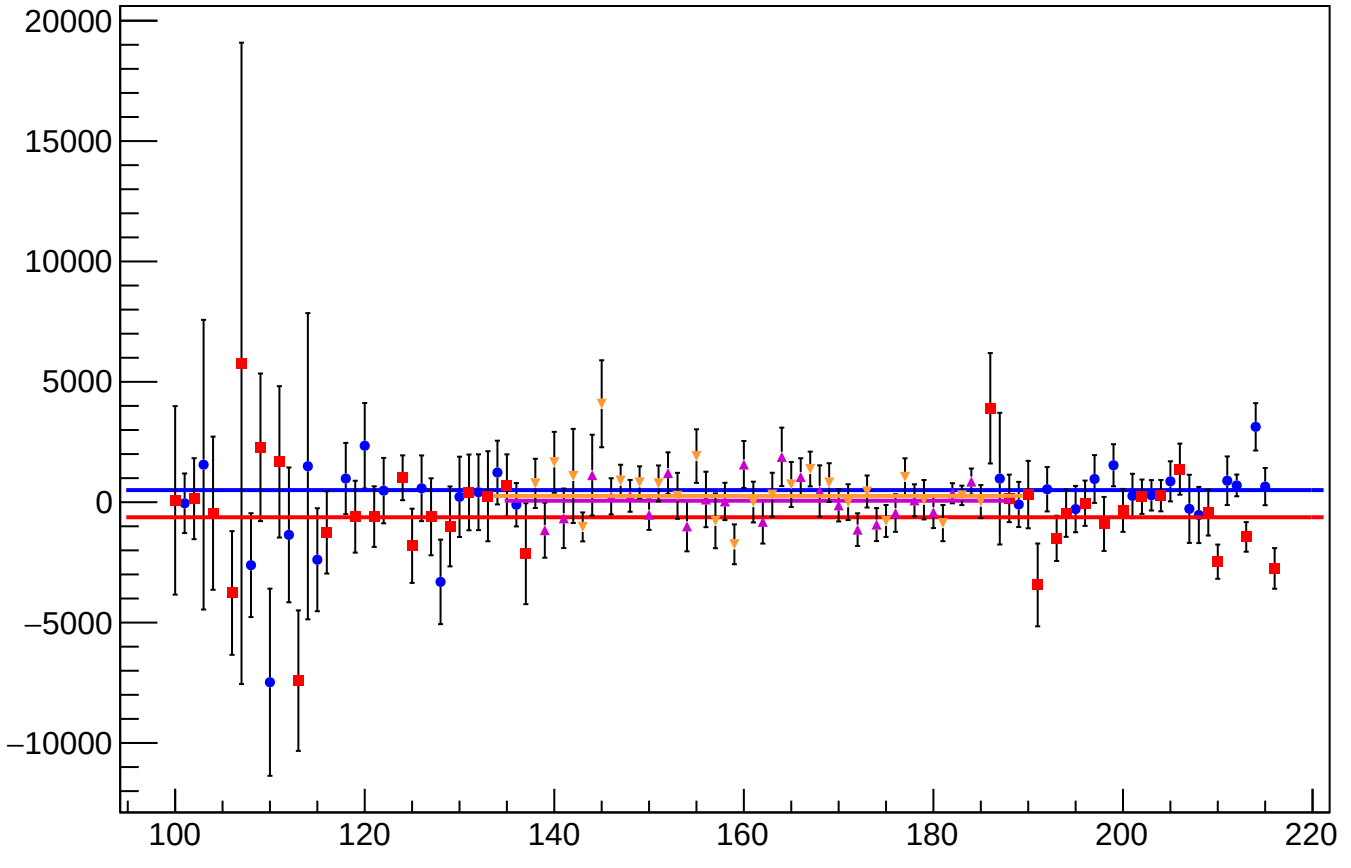
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2441.521+/-0.278 χ^2/NDF: 939333.8/65

In: 2395.729+/-0.277 χ^2/NDF:293074.1/53

Out: 2420.051+/-0.275 χ^2/NDF:736215.3/59

All: 2407.972+/-0.195 χ^2/NDF: 1033180.9/11



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: -624.944+/-195.980 χ^2/NDF: 45.8/34

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

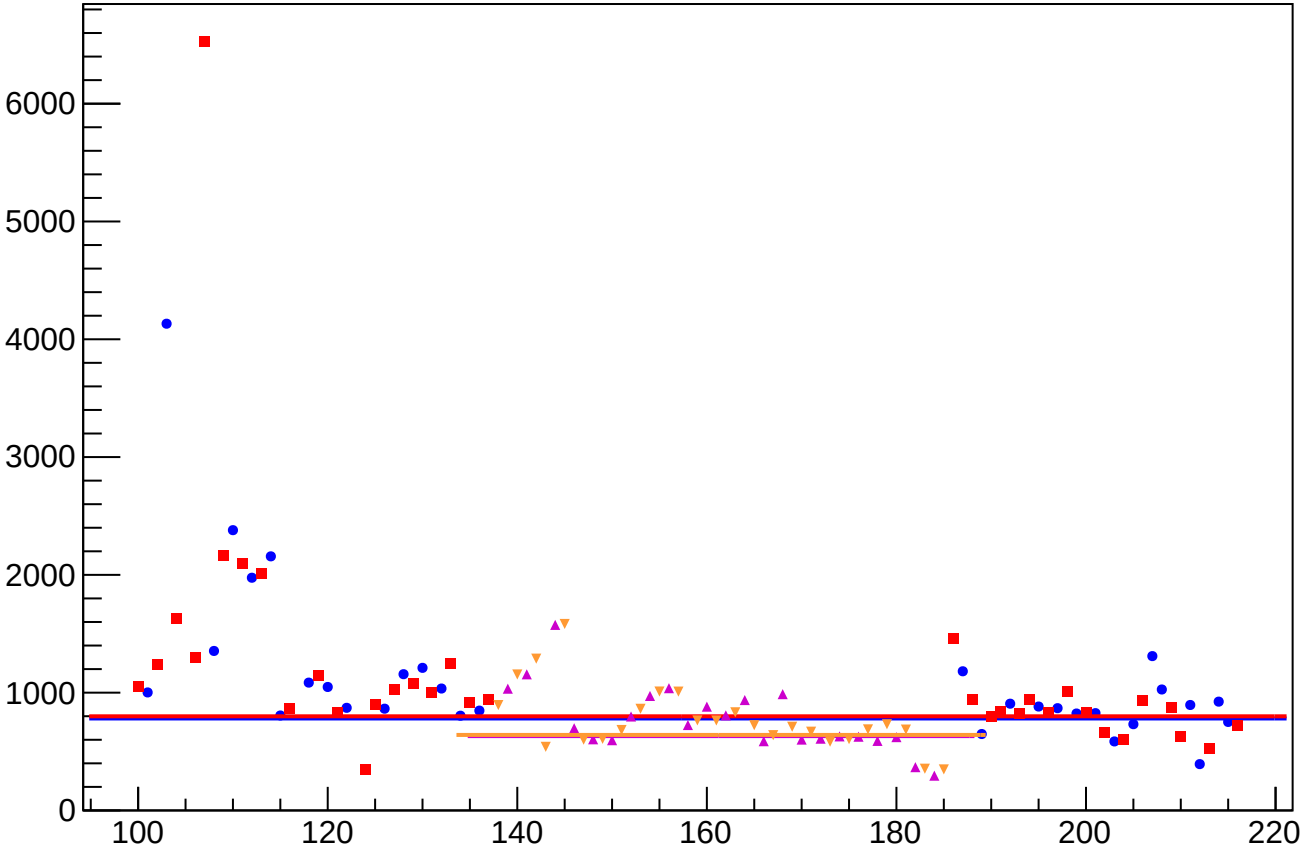
Right: -51.770+/-137.453 χ^2/NDF: 89.8/65

In: 238.369+/-121.933 χ^2/NDF:52.3/53

Out: -76.524+/-121.094 χ^2/NDF:89.6/59

All: 79.836+/-85.921 χ^2/NDF: 145.3/113

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



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: 799.229+/-0.139 χ^2/NDF: 3815423.0/34

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

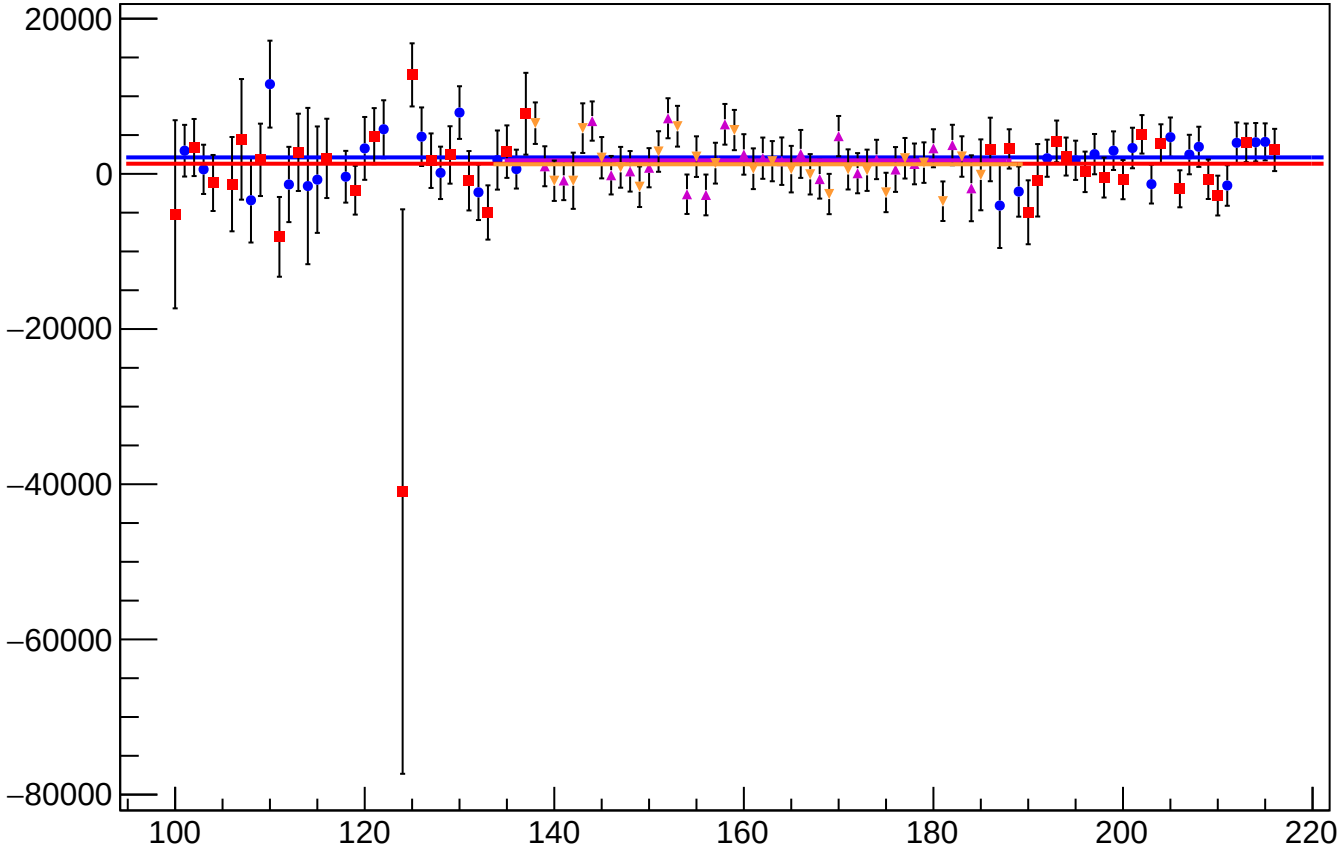
Right: 789.914+/-0.097 χ^2/NDF: 8160488.7/65

In: 691.051+/-0.086 χ^2/NDF:9035136.7/53

Out: 701.514+/-0.086 χ^2/NDF:8094252.7/59

All: 696.319+/-0.061 χ^2/NDF: 17136803.7/11

eigen_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: 1306.784+/-558.167 χ^2/NDF: 37.6/34

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

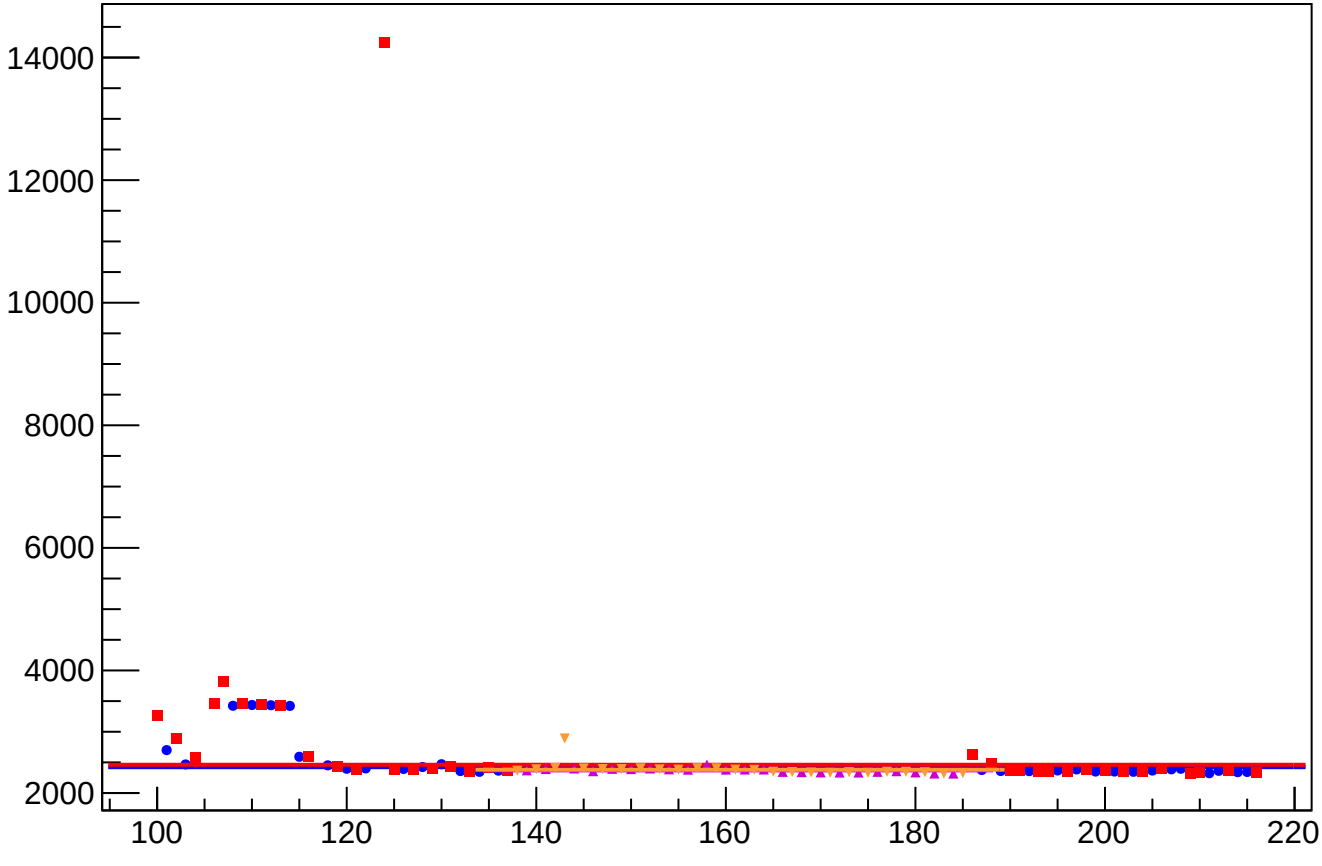
Right: 1718.202+/-392.913 χ^2/NDF: 61.5/65

In: 1932.072+/-391.187 χ^2/NDF:47.4/53

Out: 1269.639+/-388.579 χ^2/NDF:61.4/59

All: 1598.640+/-275.685 χ^2/NDF: 110.3/113

eigen_cor_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: 2461.325+/-0.395 χ^2/NDF: 657371.8/34

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

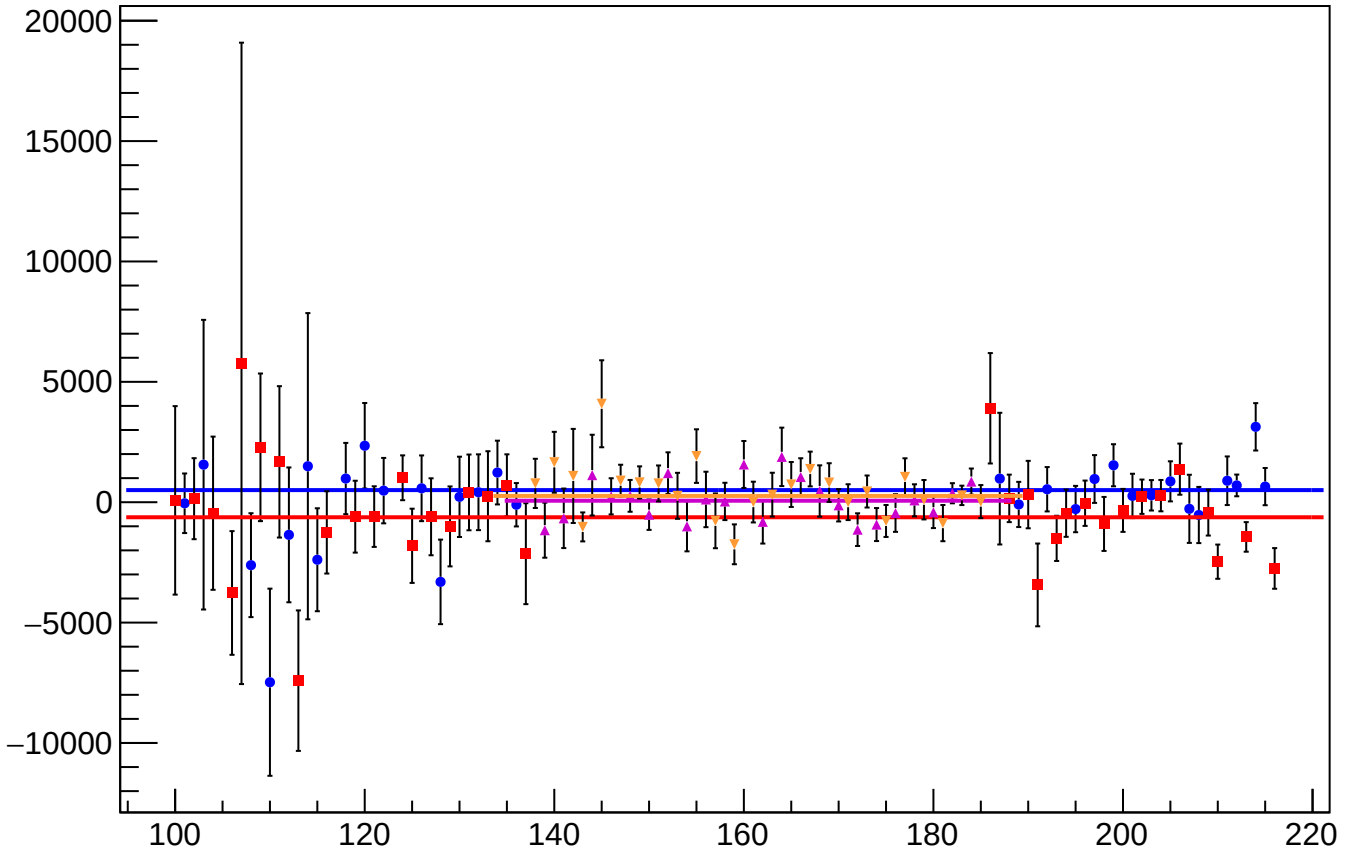
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2441.521+/-0.278 χ^2/NDF: 939333.8/65

In: 2395.729+/-0.277 χ^2/NDF:293074.1/53

Out: 2420.051+/-0.275 χ^2/NDF:736215.3/59

All: 2407.972+/-0.195 χ^2/NDF: 1033180.9/11



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: -624.944+/-195.980 χ^2/NDF: 45.8/34

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

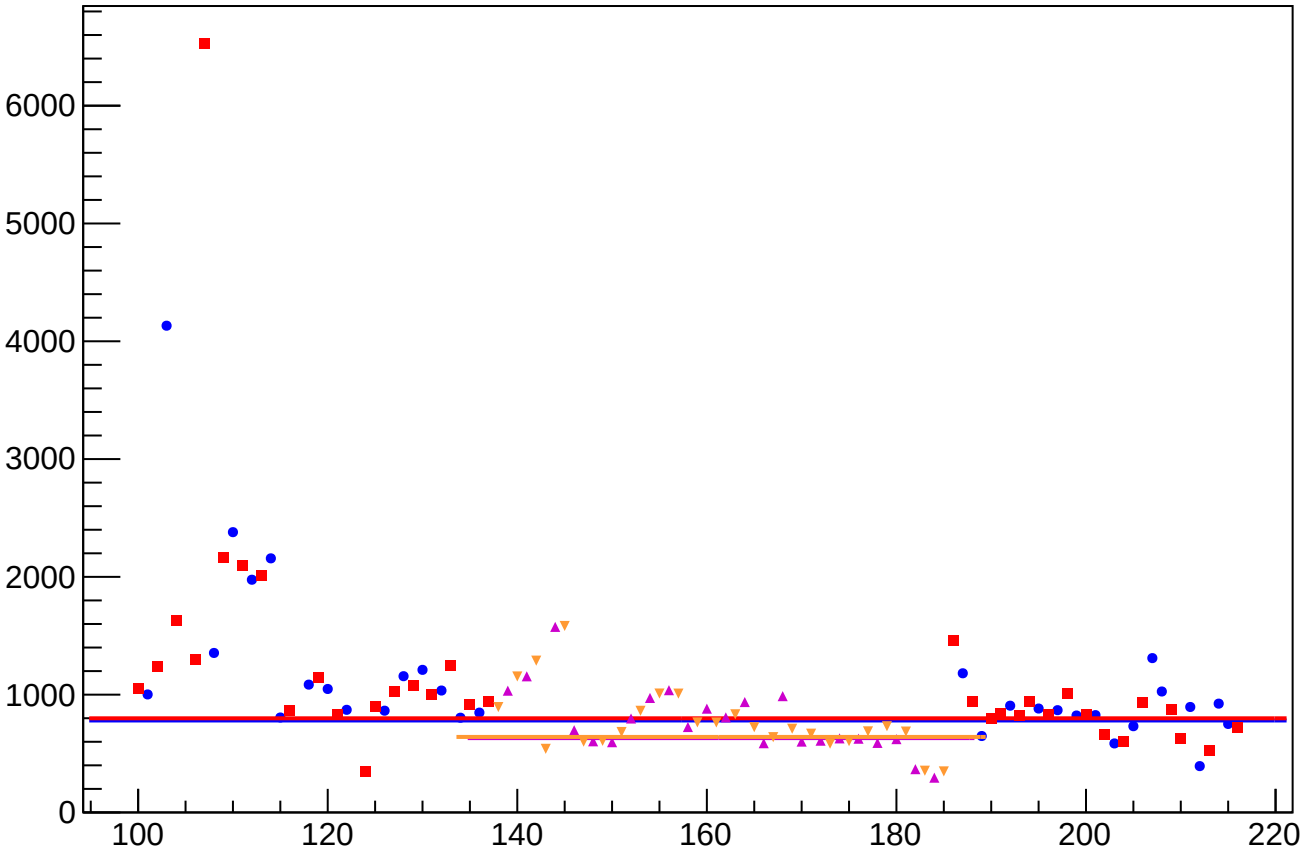
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -51.770+/-137.453 χ^2/NDF: 89.8/65

In: 238.369+/-121.933 χ^2/NDF:52.3/53

Out: -76.524+/-121.094 χ^2/NDF:89.6/59

All: 79.836+/-85.921 χ^2/NDF: 145.3/113



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: 799.229+/-0.139 χ^2/NDF: 3815423.0/34

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

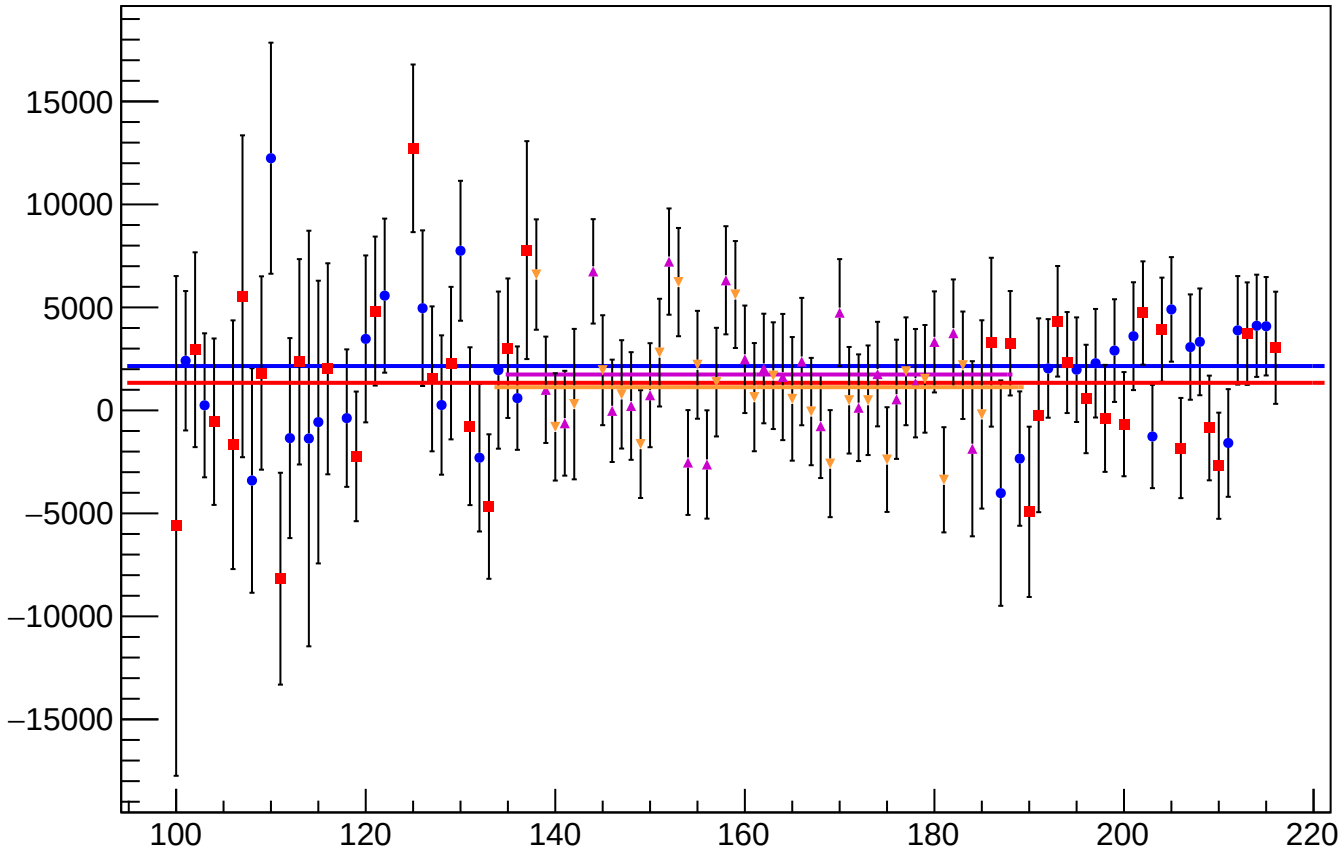
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 789.914+/-0.097 χ^2/NDF: 8160488.7/65

In: 691.051+/-0.086 χ^2/NDF:9035136.7/53

Out: 701.514+/-0.086 χ^2/NDF:8094252.7/59

All: 696.319+/-0.061 χ^2/NDF: 17136803.7/11



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: 1338.583+/-564.213 χ^2/NDF: 34.6/33

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

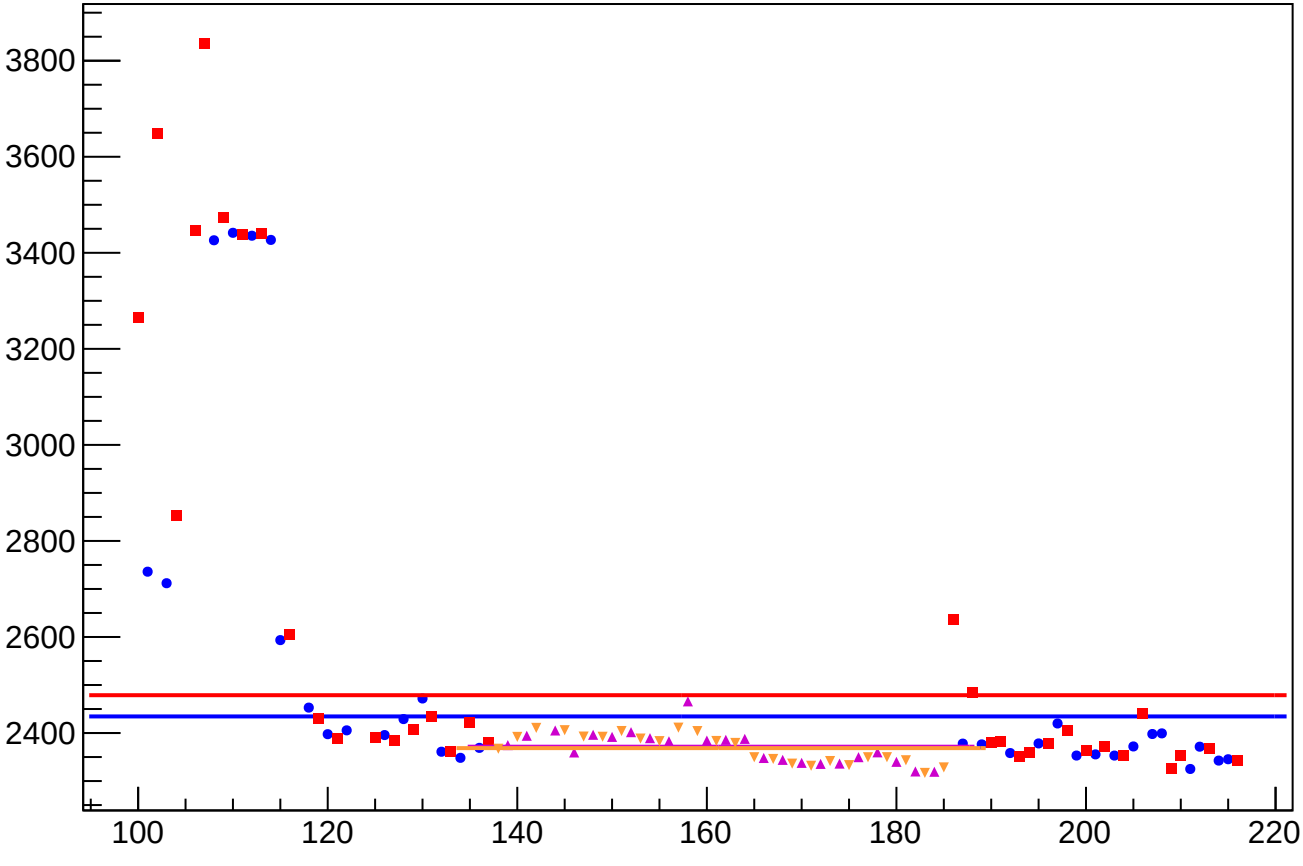
Right: 1751.625+/-396.111 χ^2/NDF: 58.8/64

In: 1946.771+/-392.441 χ^2/NDF:47.1/53

Out: 1229.323+/-393.777 χ^2/NDF:55.9/57

All: 1589.266+/-277.969 χ^2/NDF: 104.7/111

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: 2478.774+/-0.399 χ^2/NDF: 556348.1/33

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

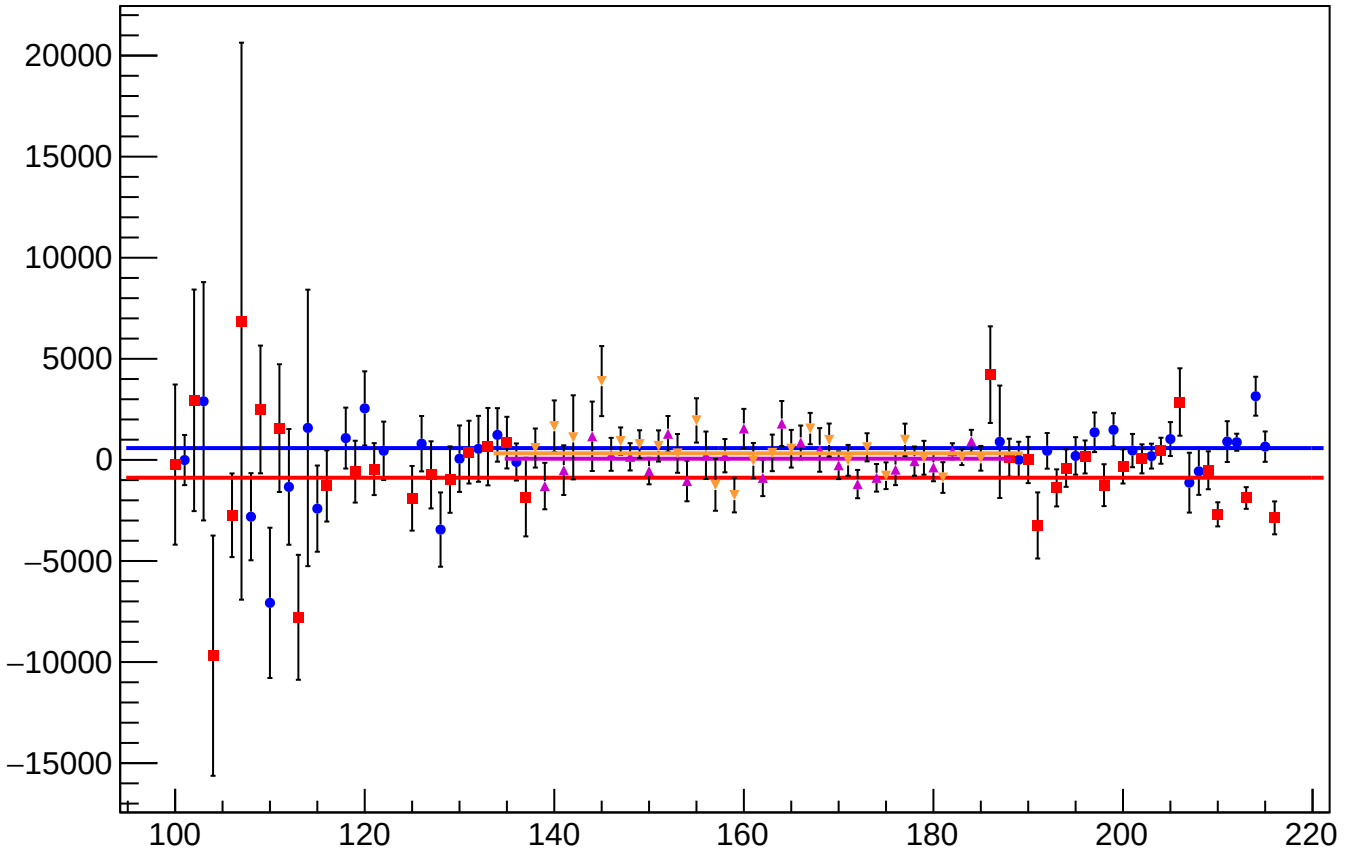
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2456.352+/-0.280 χ^2/NDF: 853342.9/64

In: 2402.897+/-0.277 χ^2/NDF:310721.9/53

Out: 2422.249+/-0.278 χ^2/NDF:601055.7/57

All: 2412.540+/-0.197 χ^2/NDF: 914201.0/111



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: -882.295+/-192.441 χ^2/NDF: 55.5/33

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

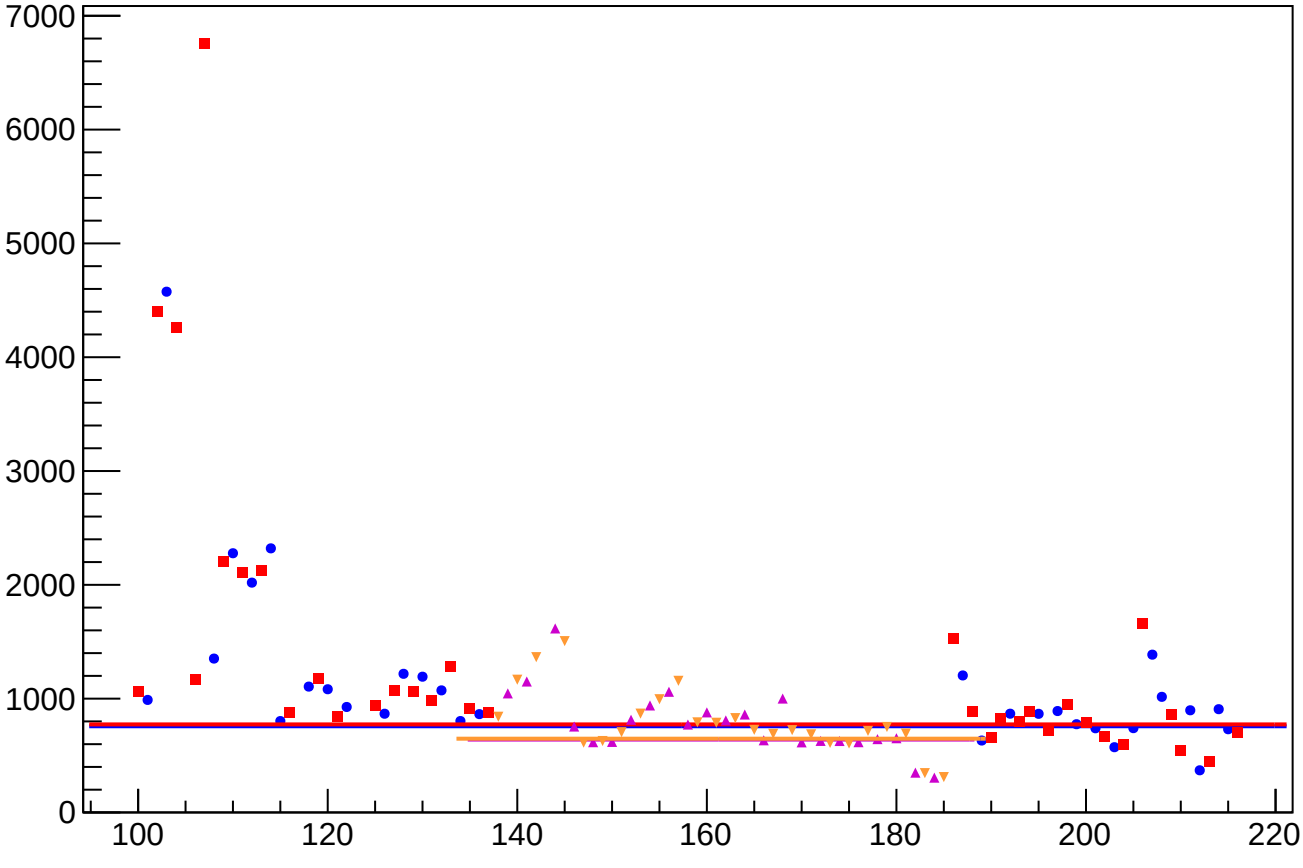
Right: -129.939+/-134.277 χ^2/NDF: 115.1/64

In: 280.066+/-121.551 χ^2/NDF:57.0/53

Out: -168.039+/-123.050 χ^2/NDF:105.6/57

All: 58.760+/-86.474 χ^2/NDF: 169.3/111

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: 773.646+/-0.136 χ^2/NDF: 5880704.4/33

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

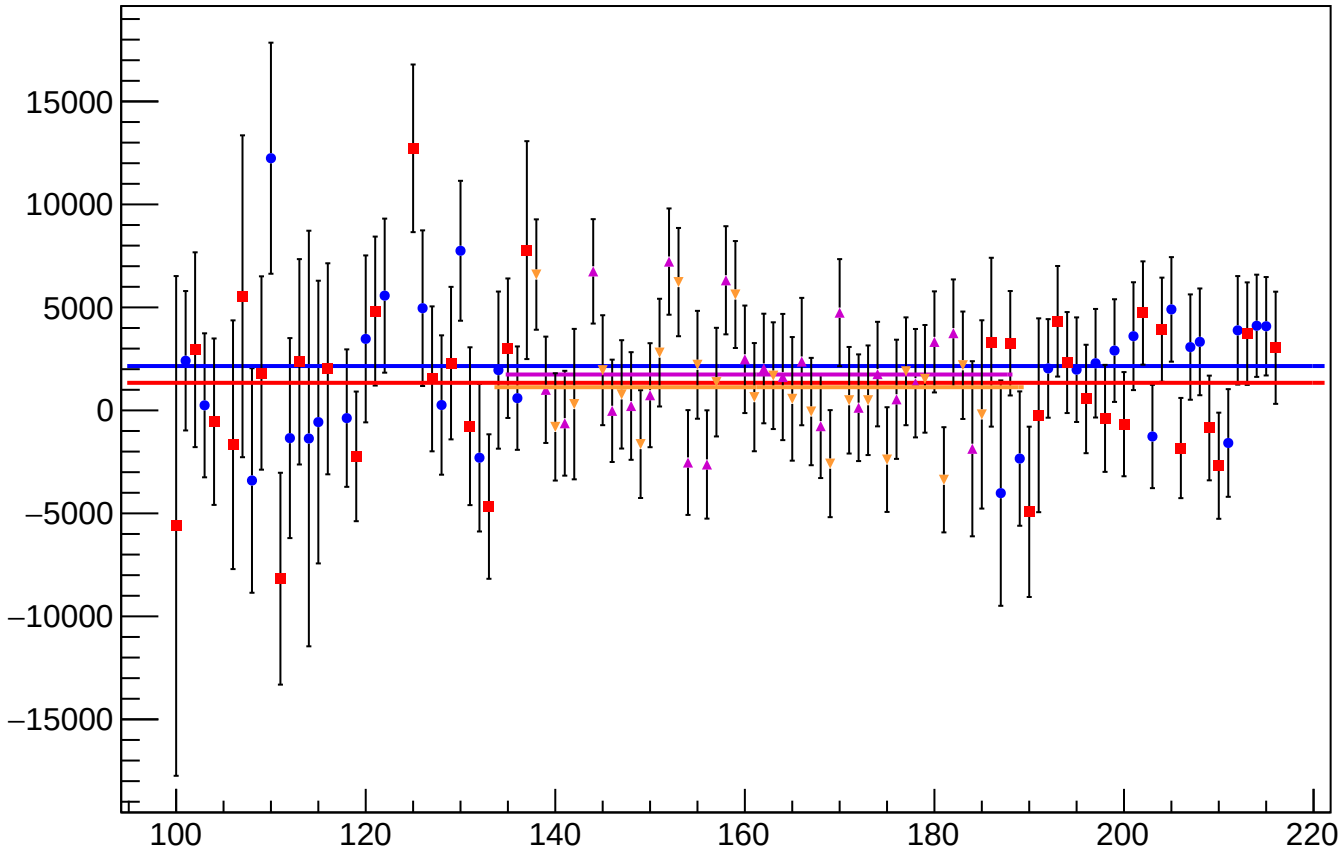
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 765.323+/-0.095 χ^2/NDF: 10968788.1/64

In: 689.620+/-0.086 χ^2/NDF:9661139.0/53

Out: 699.430+/-0.087 χ^2/NDF:10270884.4/57

All: 694.465+/-0.061 χ^2/NDF: 19938456.9/11



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: 1338.583+/-564.213 χ^2/NDF: 34.6/33

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

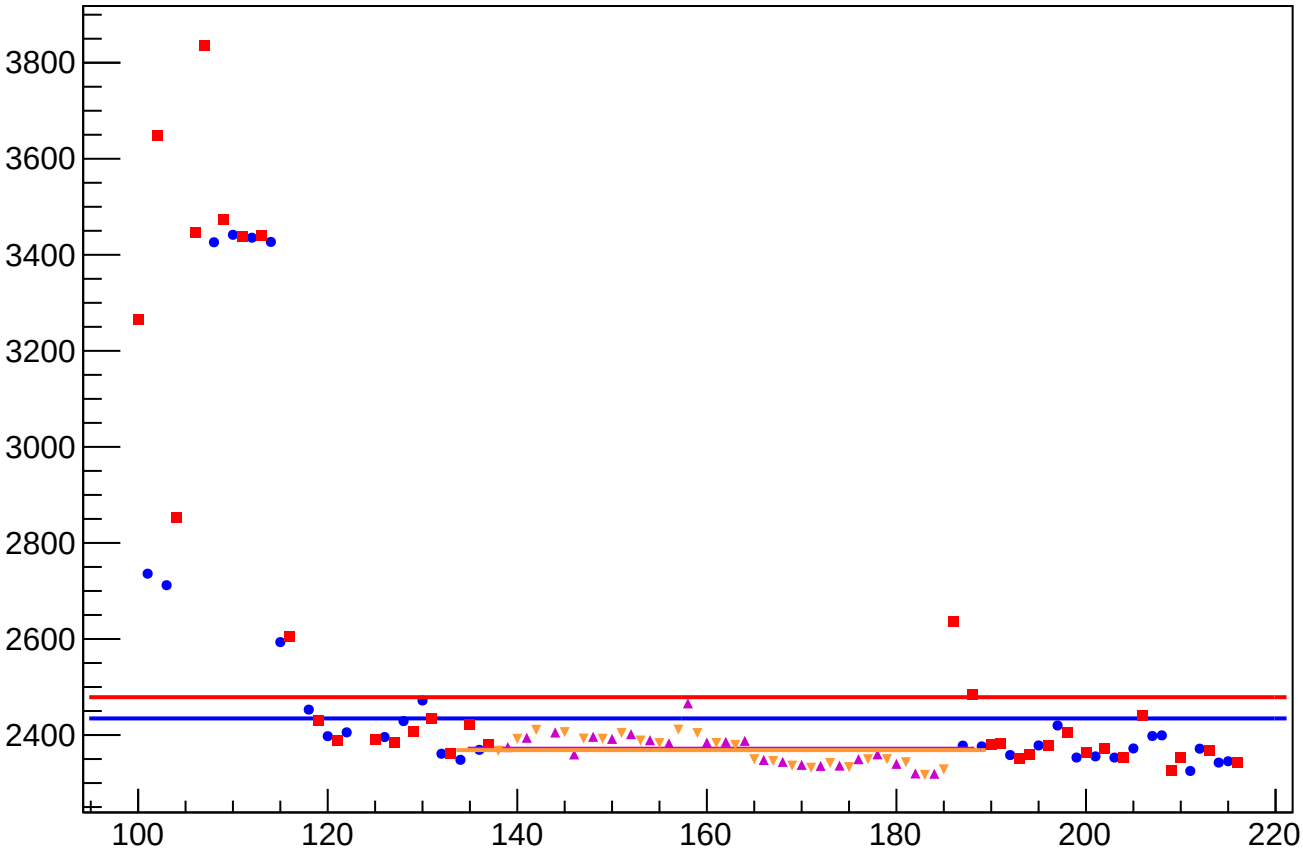
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1751.623+/-396.111 χ^2/NDF: 58.8/64

In: 1946.770+/-392.441 χ^2/NDF:47.1/53

Out: 1229.324+/-393.777 χ^2/NDF:55.9/57

All: 1589.266+/-277.969 χ^2/NDF: 104.7/111



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: 2478.774+/-0.399 χ^2/NDF: 556347.1/33

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

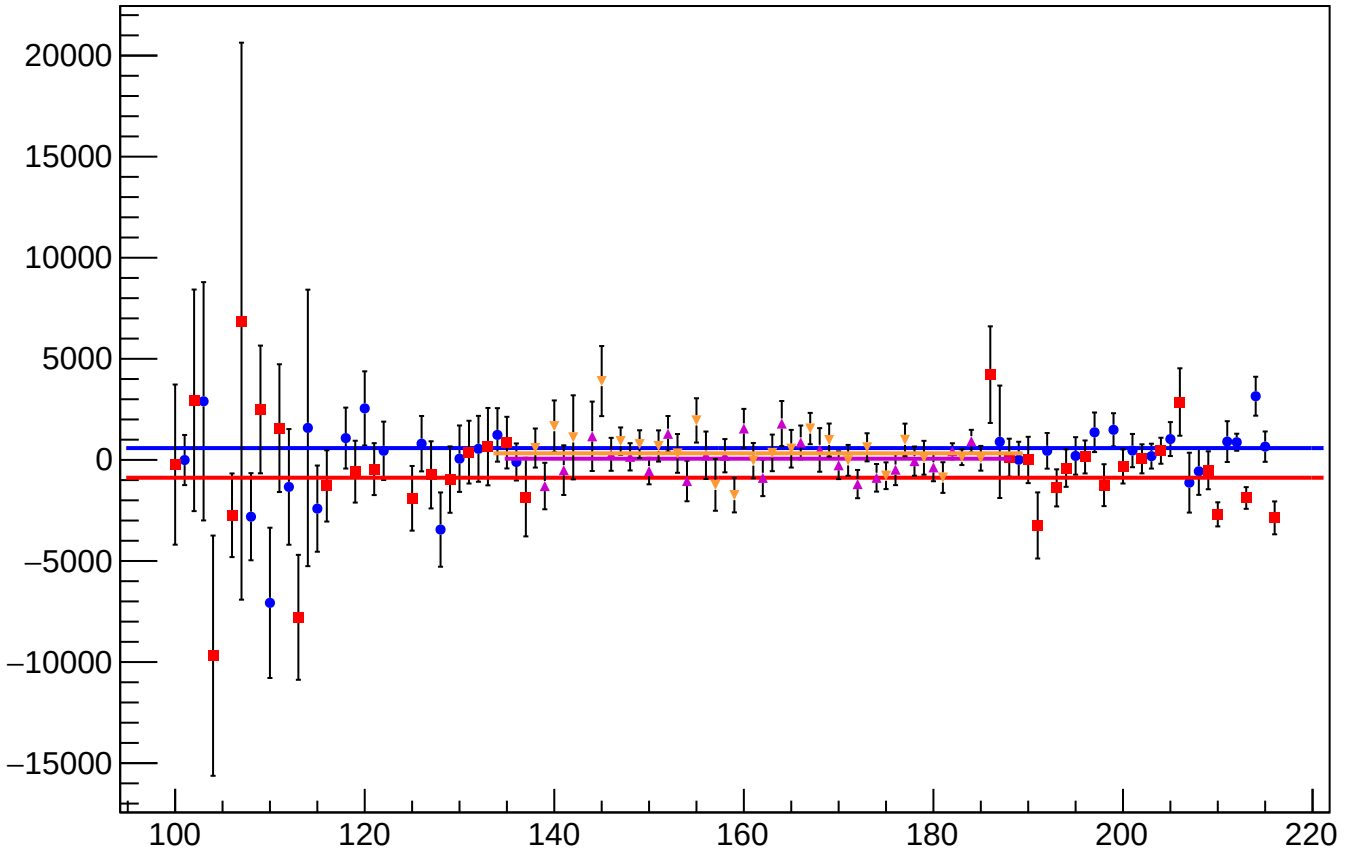
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2456.352+/-0.280 χ^2/NDF: 853341.5/64

In: 2402.897+/-0.277 χ^2/NDF:310721.4/53

Out: 2422.249+/-0.278 χ^2/NDF:601054.7/57

All: 2412.540+/-0.197 χ^2/NDF: 914199.5/111



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: -882.295+/-192.441 χ^2/NDF: 55.5/33

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

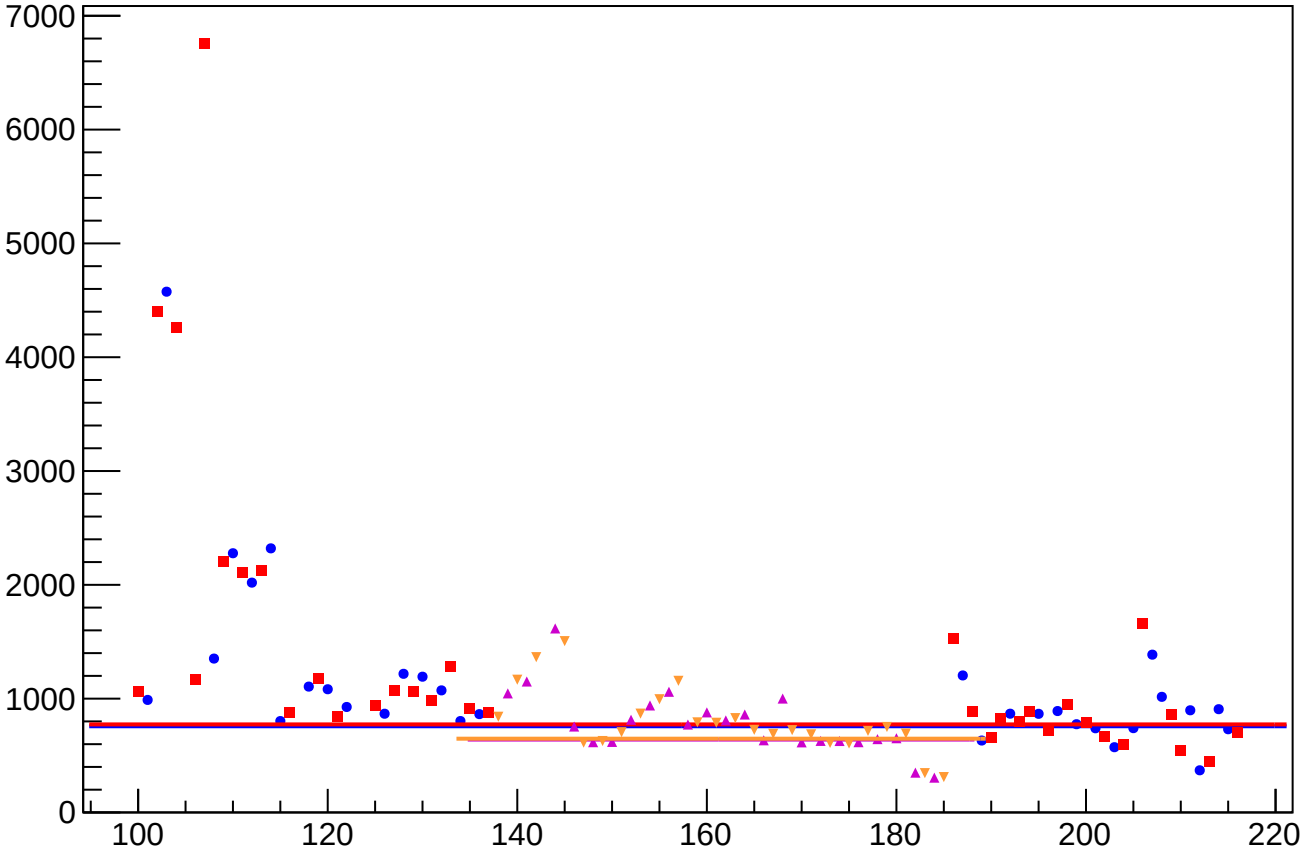
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -129.939+/-134.277 χ^2/NDF: 115.1/64

In: 280.066+/-121.551 χ^2/NDF:57.0/53

Out: -168.040+/-123.050 χ^2/NDF:105.6/57

All: 58.759+/-86.474 χ^2/NDF: 169.3/111



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: 773.645+/-0.136 χ^2/NDF: 5880714.1/33

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

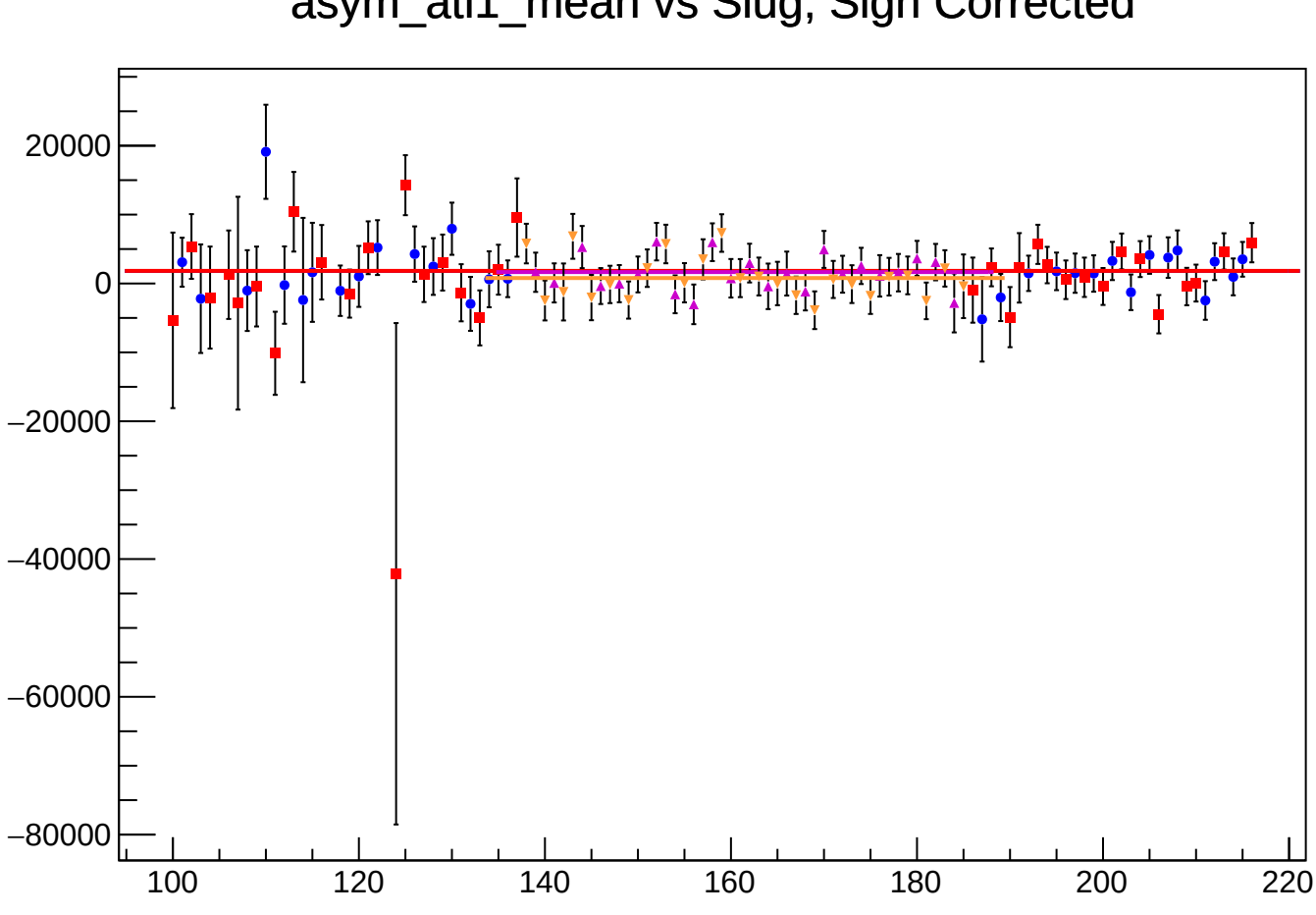
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 765.323+/-0.095 χ^2/NDF: 10968805.2/64

In: 689.620+/-0.086 χ^2/NDF:9661148.6/53

Out: 699.430+/-0.087 χ^2/NDF:10270893.2/57

All: 694.465+/-0.061 χ^2/NDF: 19938475.5/11



Right In: 1816.150+/-605.668 χ^2/NDF: 23.1/30

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1830.933+/-612.584 χ^2/NDF: 41.1/34

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

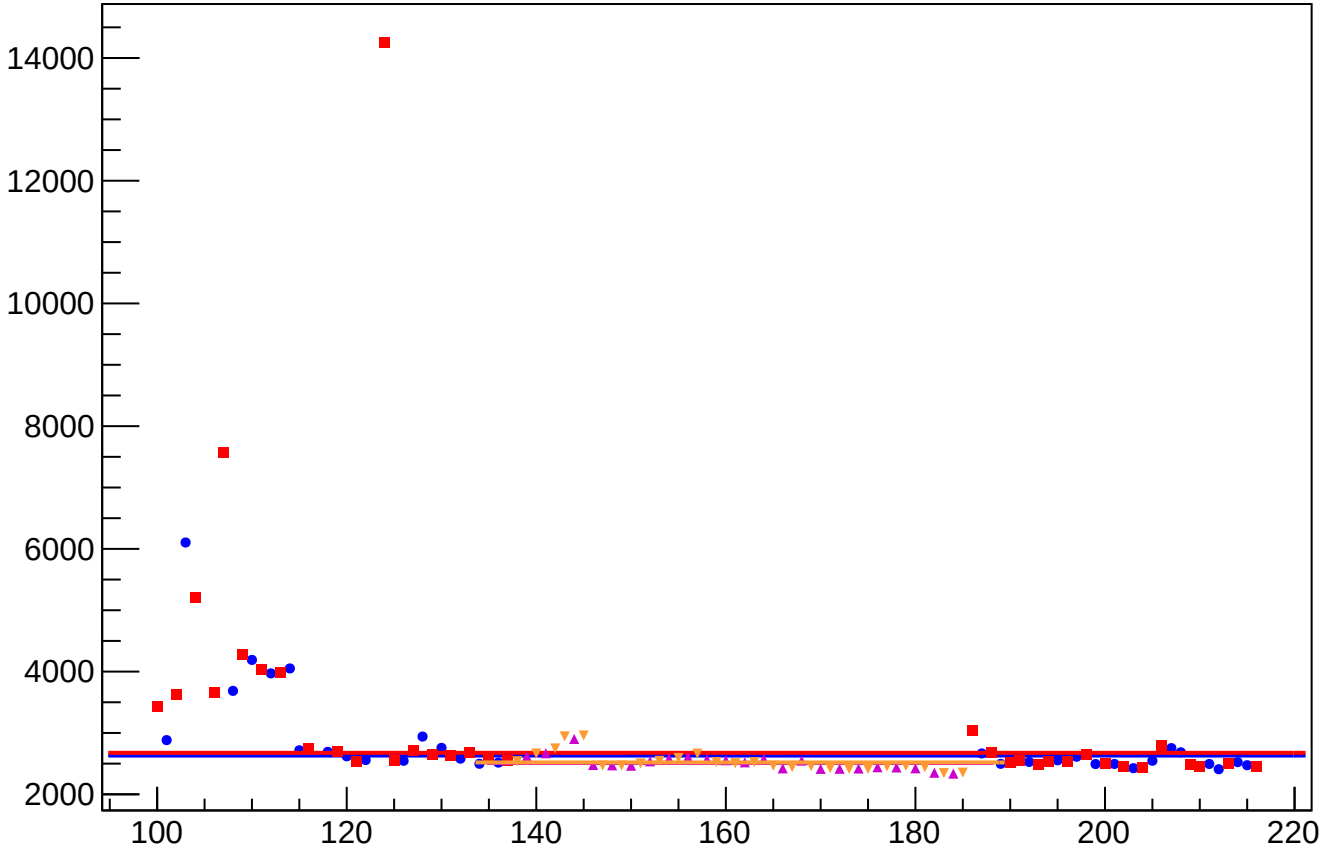
Right: 1823.458+/-430.696 χ^2/NDF: 64.3/65

In: 1732.829+/-421.430 χ^2/NDF:40.5/53

Out: 1276.758+/-418.571 χ^2/NDF:69.8/59

All: 1503.240+/-296.980 χ^2/NDF: 110.9/113

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: 2676.030+/-0.433 χ^2/NDF: 1260763.1/34

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

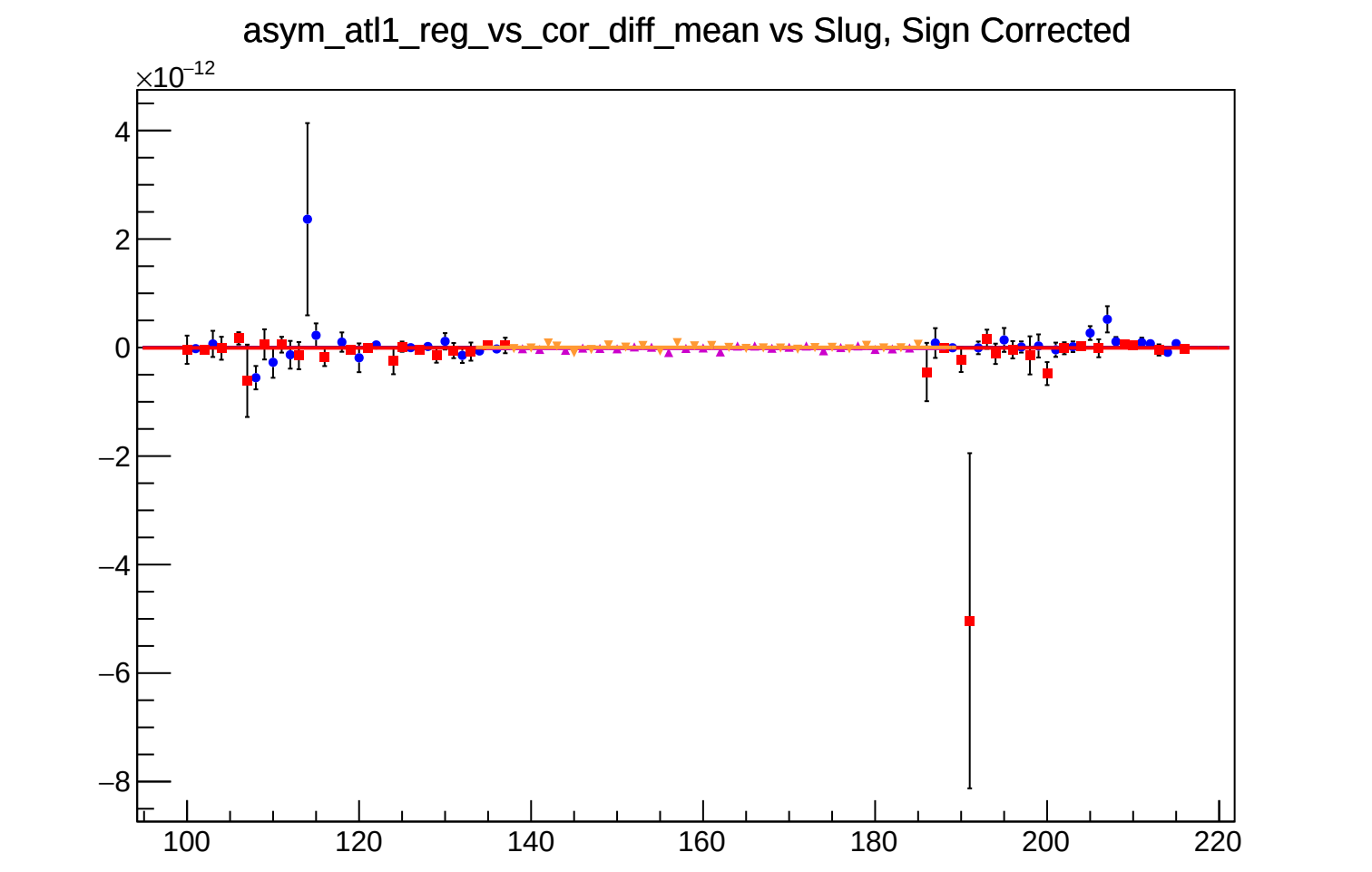
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2653.705+/-0.305 χ^2/NDF: 2064181.0/65

In: 2569.089+/-0.298 χ^2/NDF:913607.9/53

Out: 2592.589+/-0.296 χ^2/NDF:1445570.7/59

All: 2580.919+/-0.210 χ^2/NDF: 2362309.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/34

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

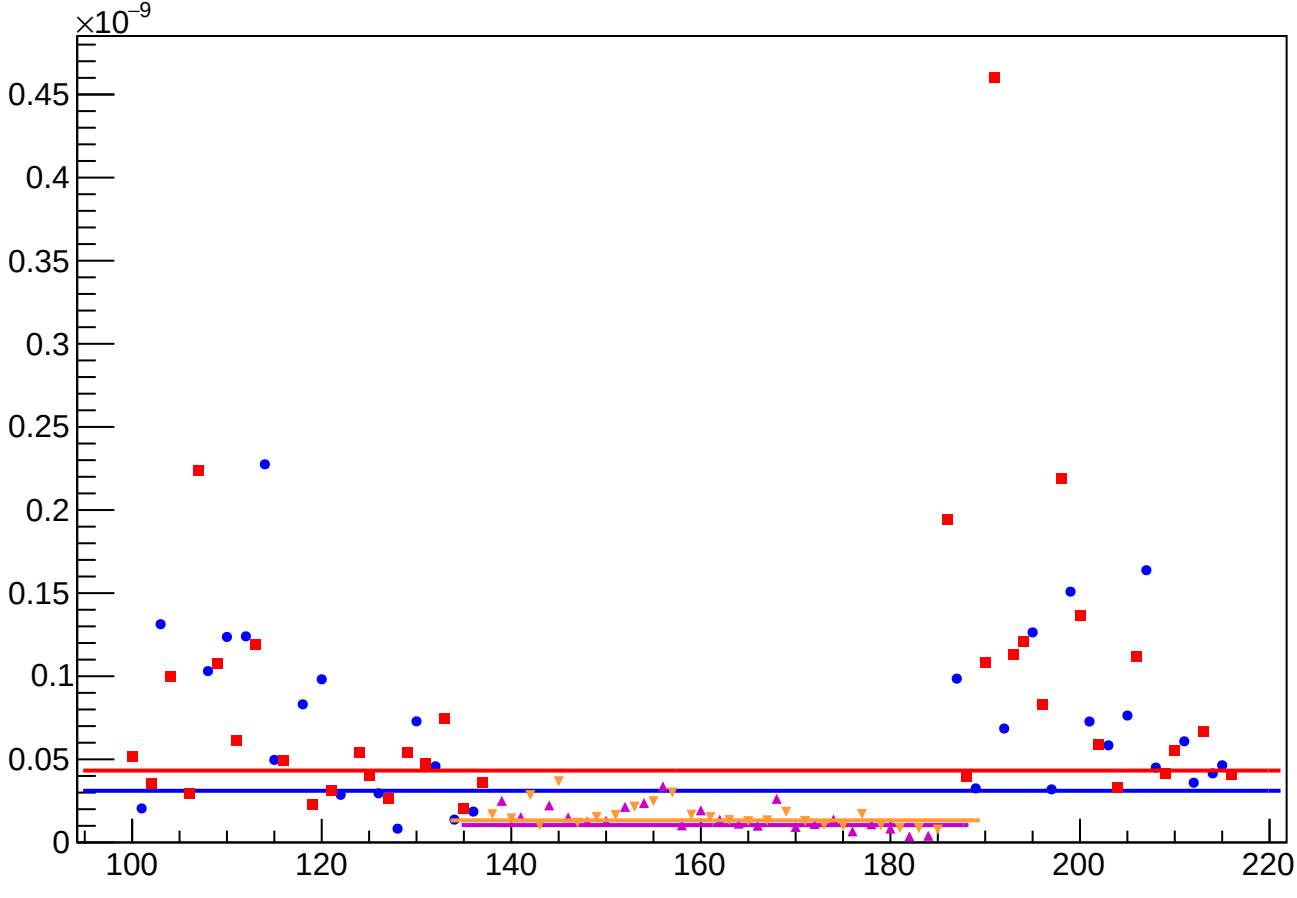
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.9/65

In: -0.000+/-0.000 χ^2/NDF:65.9/53

Out: 0.000+/-0.000 χ^2/NDF:49.9/59

All: -0.000+/-0.000 χ^2/NDF: 120.1/113



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: 4107281.9/34

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

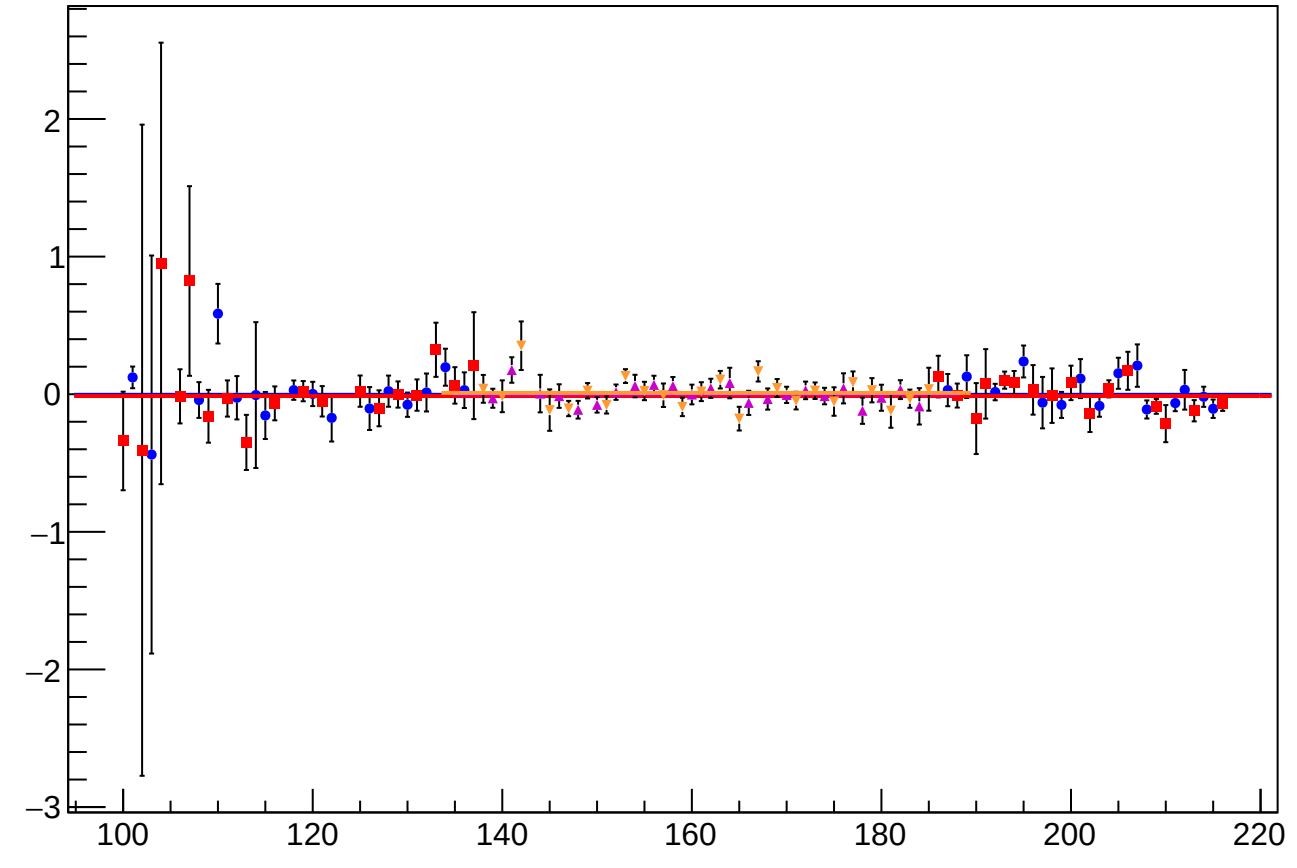
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10530820.7/65

In: 0.000+/-0.000 χ^2/NDF:12457703.5/53

Out: 0.000+/-0.000 χ^2/NDF:10759684.0/59

All: 0.000+/-0.000 χ^2/NDF: 23637270.7/113



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: -0.013+/-0.019 χ^2/NDF: 28.1/33

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

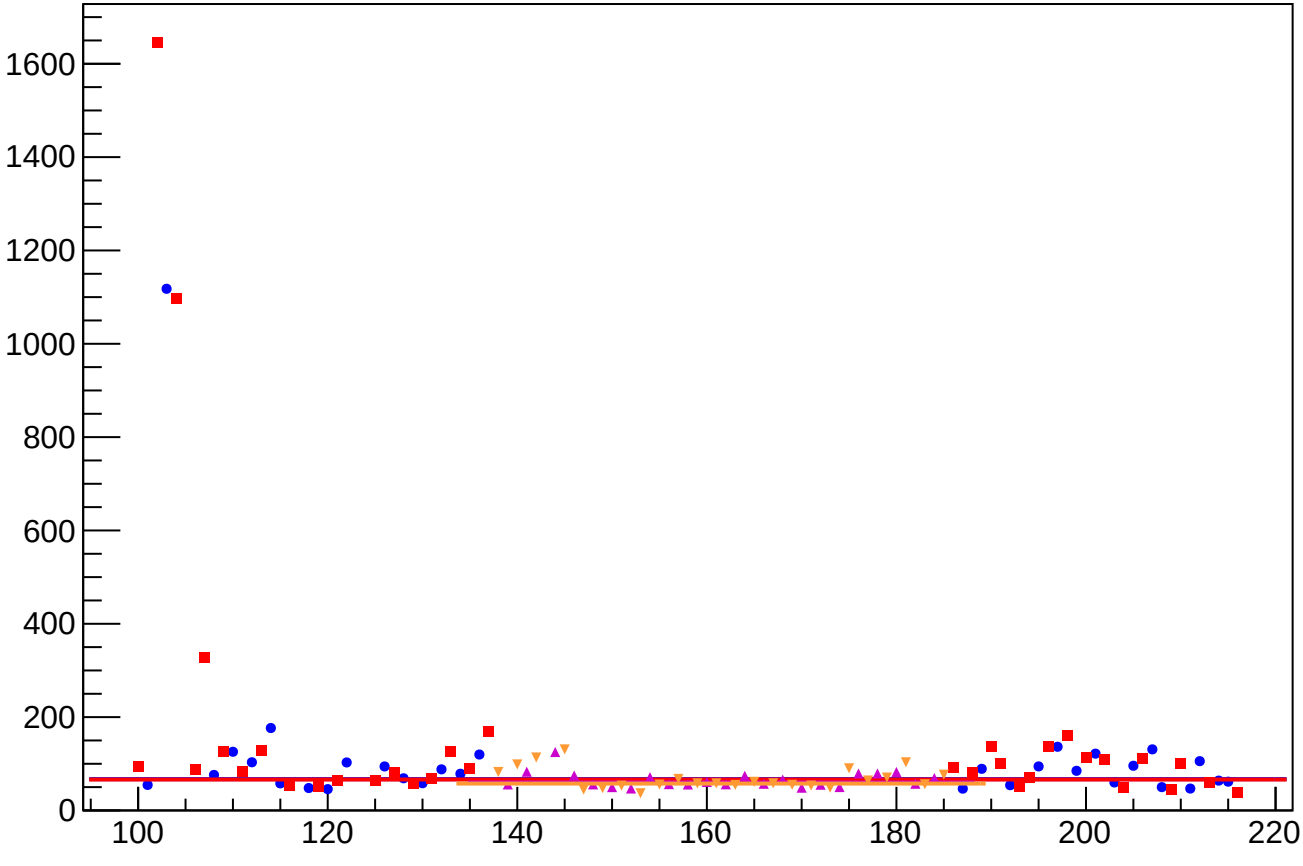
Right: -0.009+/-0.013 χ^2/NDF: 61.4/64

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: 0.001+/-0.012 χ^2/NDF:63.7/57

All: -0.001+/-0.008 χ^2/NDF: 112.5/111

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: 66.288+/-0.013 χ^2/NDF: 6008535.7/33

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

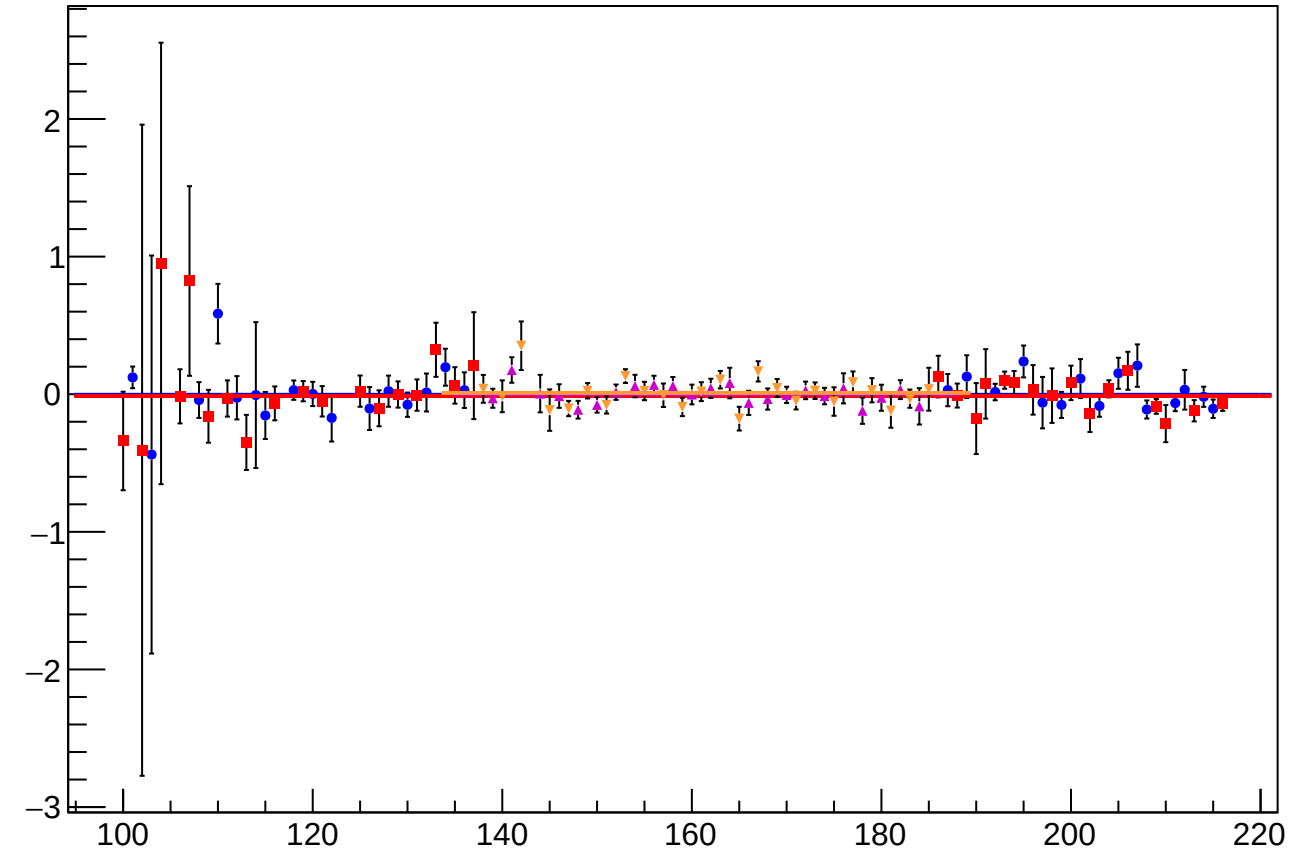
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 66.717+/-0.009 χ^2/NDF: 10261564.2/64

In: 62.894+/-0.008 χ^2/NDF:5778111.5/53

Out: 61.046+/-0.008 χ^2/NDF:8483439.0/57

All: 61.965+/-0.006 χ^2/NDF: 14286193.5/111



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: -0.013+/-0.019 χ^2/NDF: 28.1/33

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

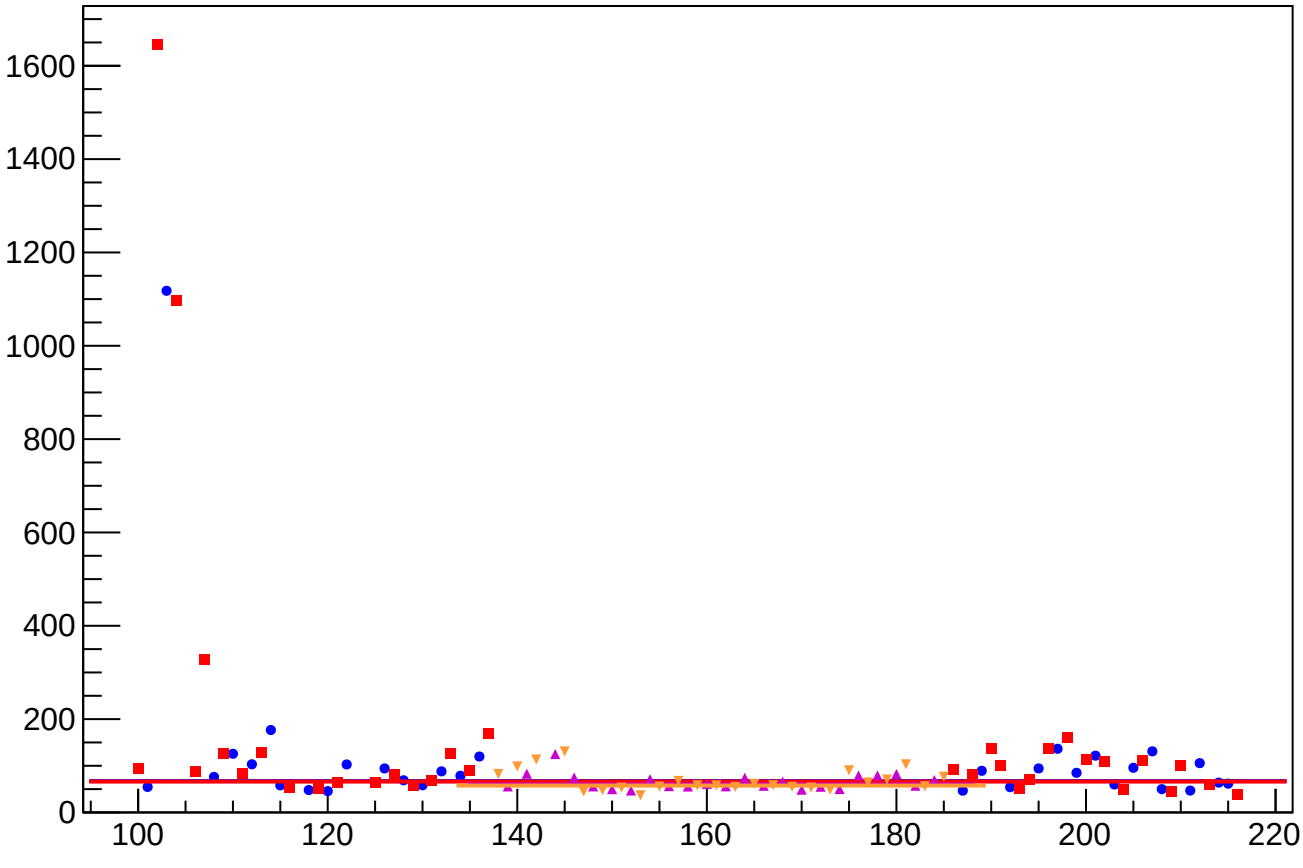
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.009+/-0.013 χ^2/NDF: 61.4/64

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: 0.001+/-0.012 χ^2/NDF:63.7/57

All: -0.001+/-0.008 χ^2/NDF: 112.5/111



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: 66.288+/-0.013 χ^2/NDF: 6008535.7/33

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

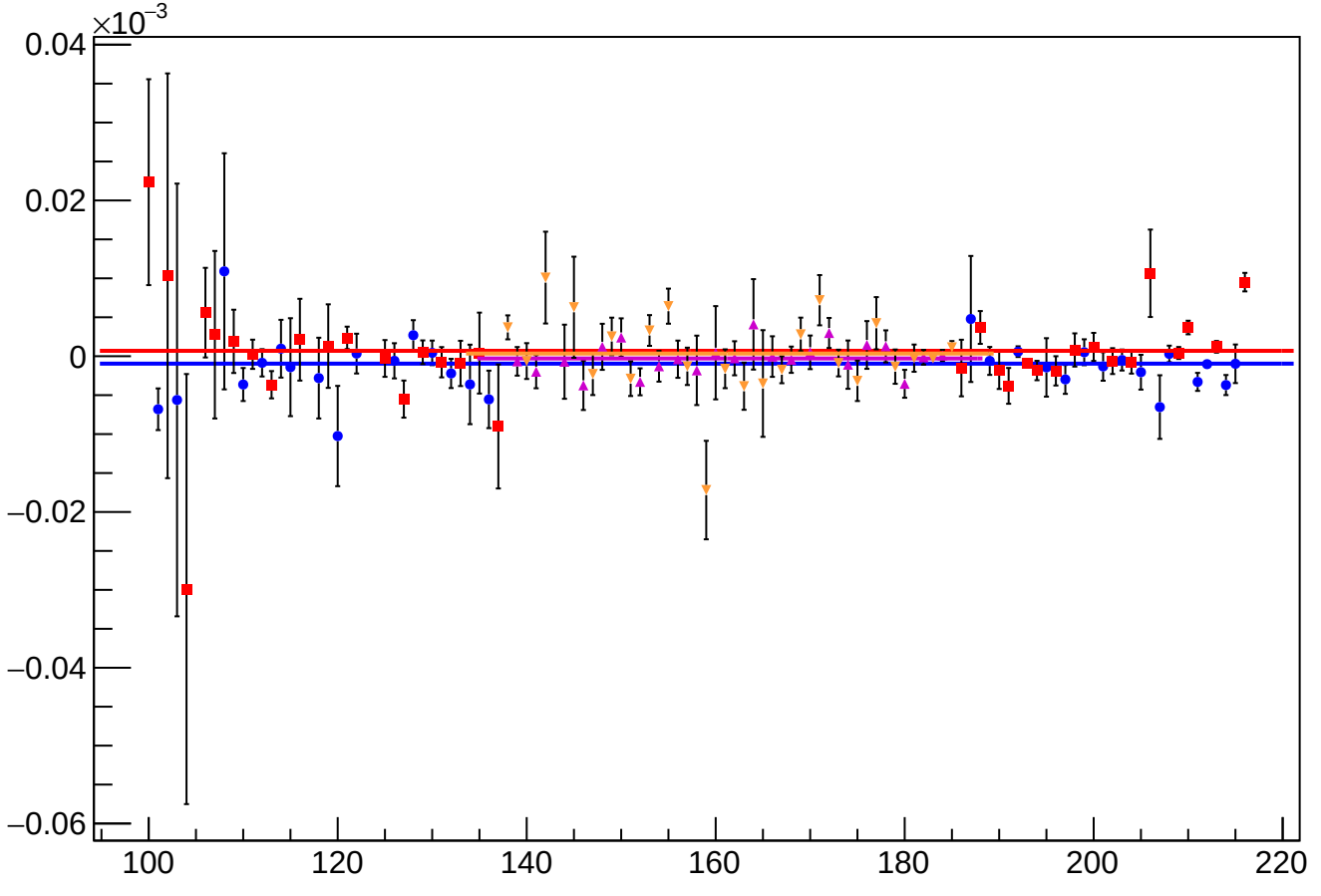
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 66.717+/-0.009 χ^2/NDF: 10261564.2/64

In: 62.894+/-0.008 χ^2/NDF:5778111.5/53

Out: 61.046+/-0.008 χ^2/NDF:8483439.0/57

All: 61.965+/-0.006 χ^2/NDF: 14286193.5/111



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: 114.5/33

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

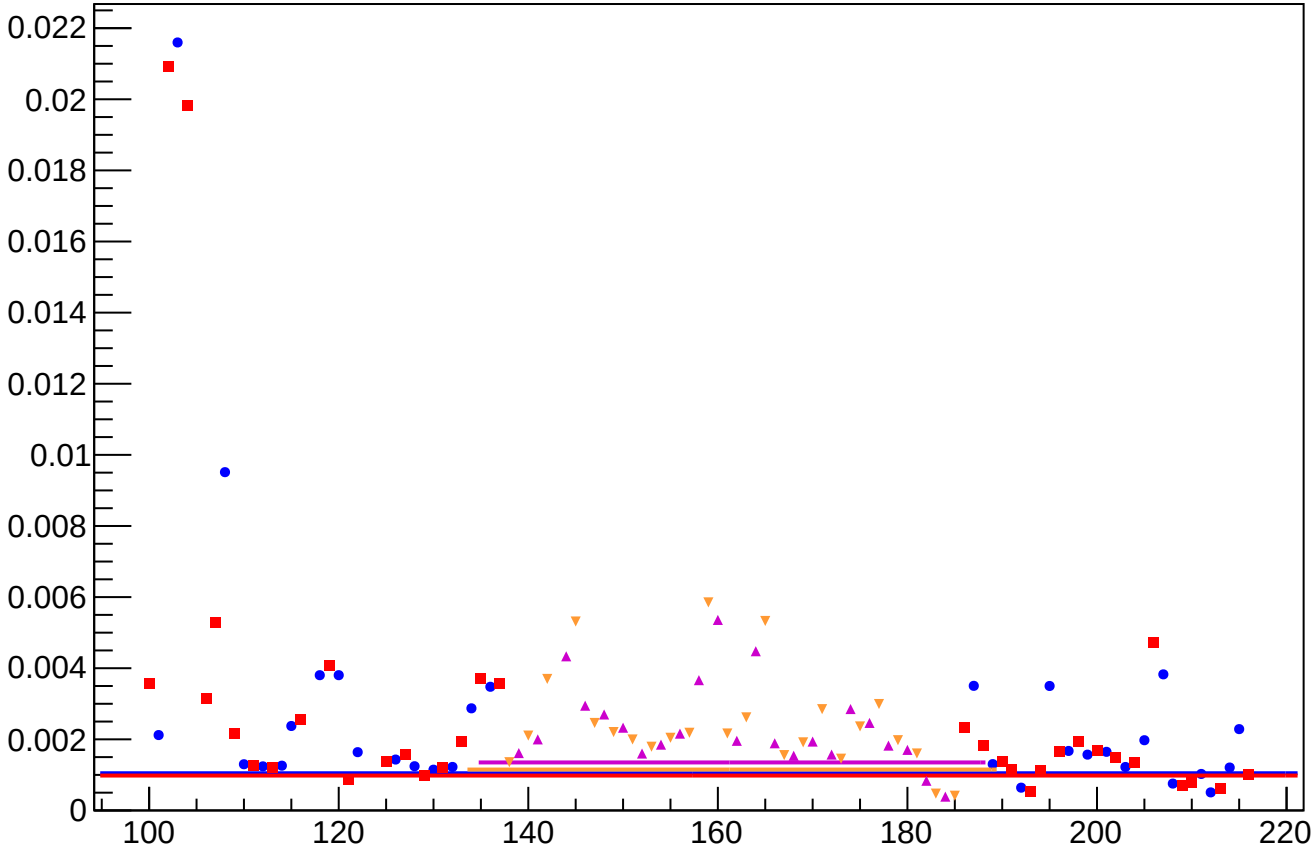
Right: -0.000+/-0.000 χ^2/NDF: 168.0/64

In: -0.000+/-0.000 χ^2/NDF:53.1/53

Out: 0.000+/-0.000 χ^2/NDF:161.9/57

All: -0.000+/-0.000 χ^2/NDF: 231.3/111

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: 9862981.7/33

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

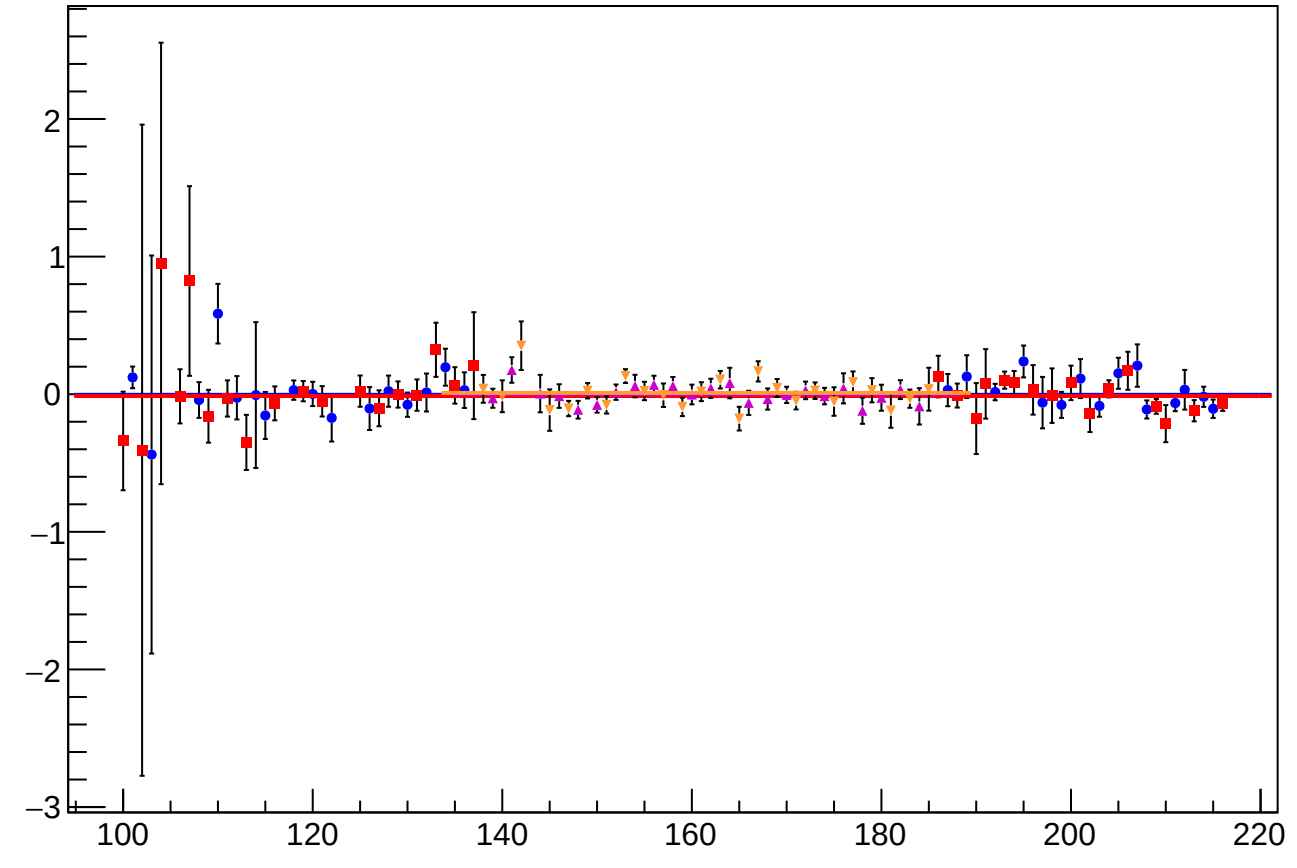
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 20479940.0/64

In: 0.001+/-0.000 χ^2/NDF:21614988.1/53

Out: 0.001+/-0.000 χ^2/NDF:23404568.8/57

All: 0.001+/-0.000 χ^2/NDF: 45269298.2/111



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: -0.013+/-0.019 χ^2/NDF: 28.1/33

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

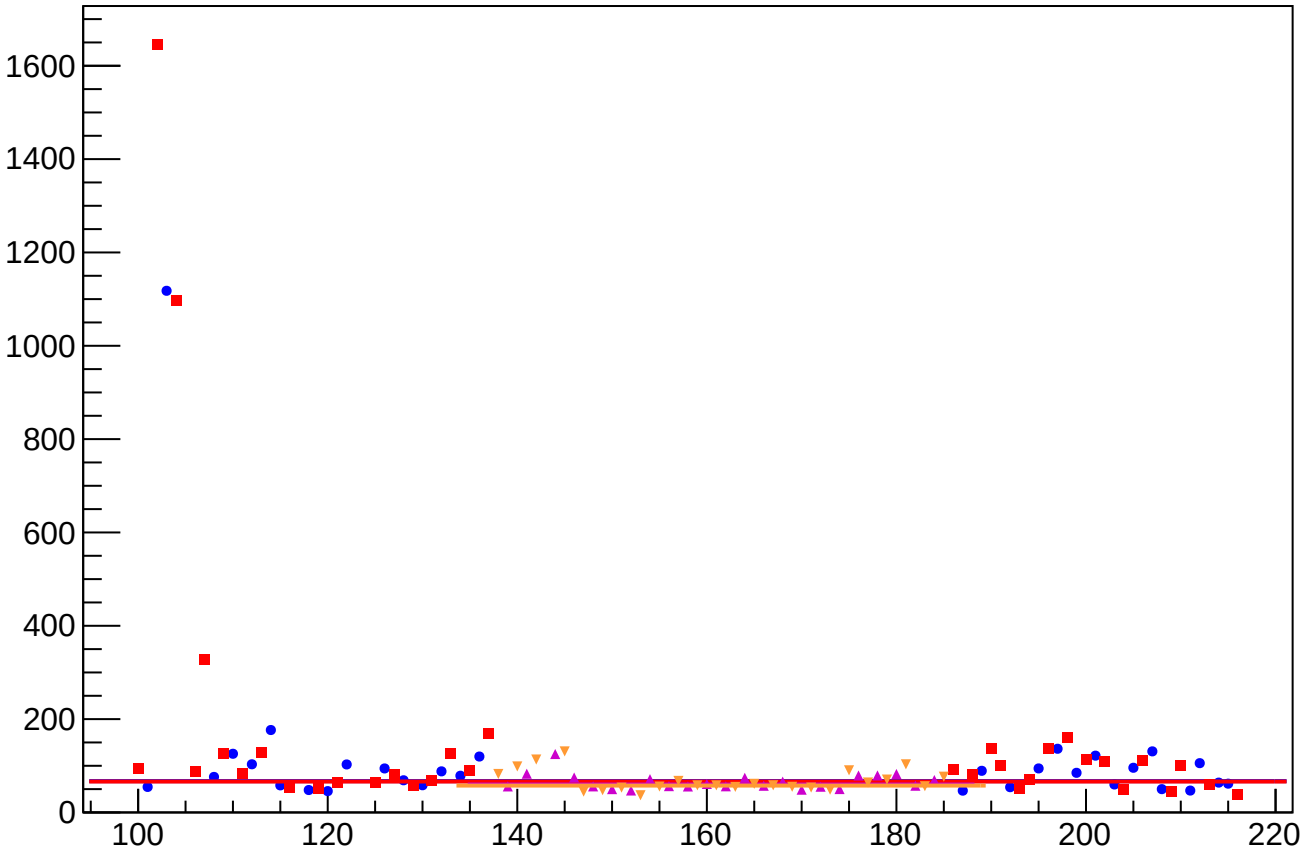
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: -0.009+/-0.013 χ^2/NDF: 61.4/64

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: 0.001+/-0.012 χ^2/NDF:63.7/57

All: -0.001+/-0.008 χ^2/NDF: 112.5/111



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: 66.288+/-0.013 χ^2/NDF: 6008550.4/33

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

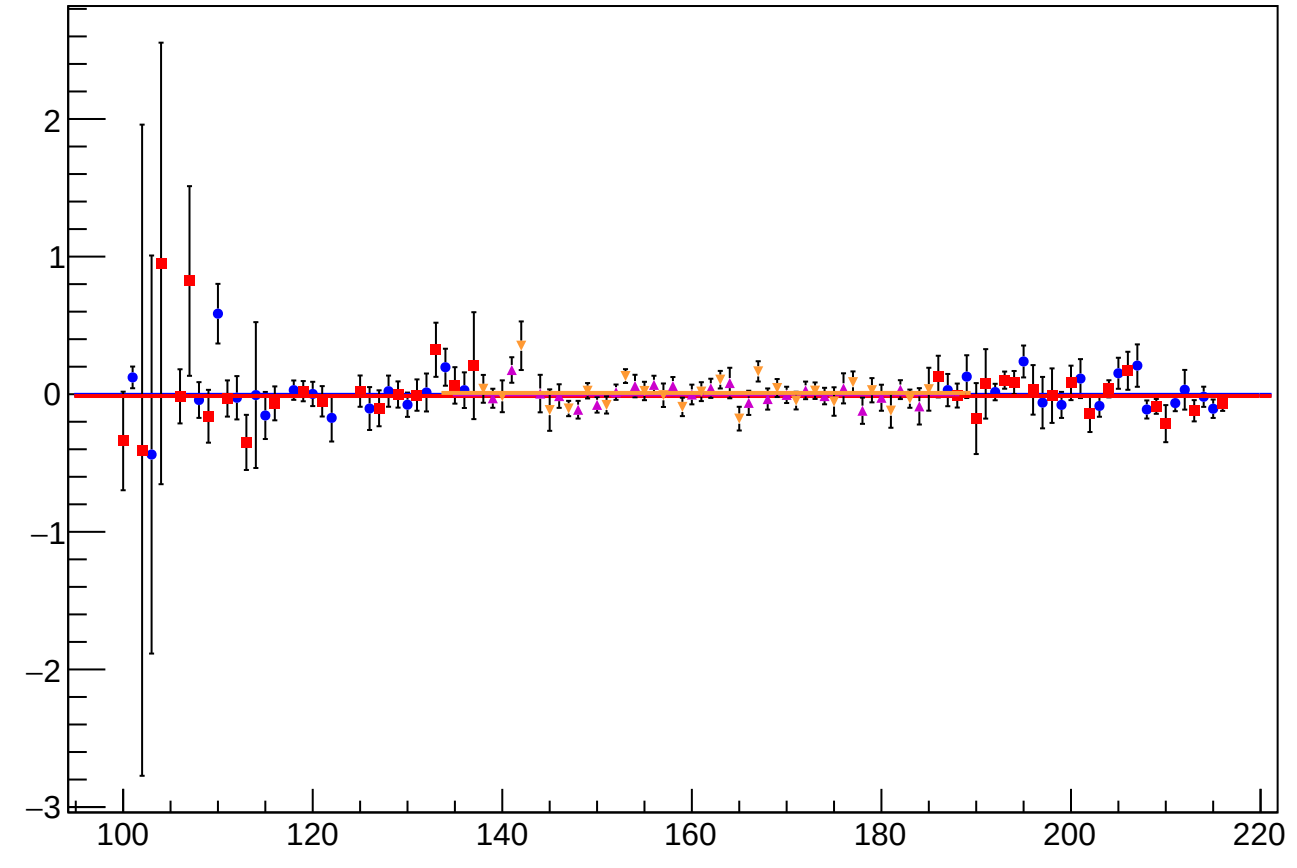
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 66.717+/-0.009 χ^2/NDF: 10261716.2/64

In: 62.894+/-0.008 χ^2/NDF:5778207.9/53

Out: 61.046+/-0.008 χ^2/NDF:8483528.6/57

All: 61.965+/-0.006 χ^2/NDF: 14286377.8/111



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: -0.013+/-0.019 χ^2/NDF: 28.1/33

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

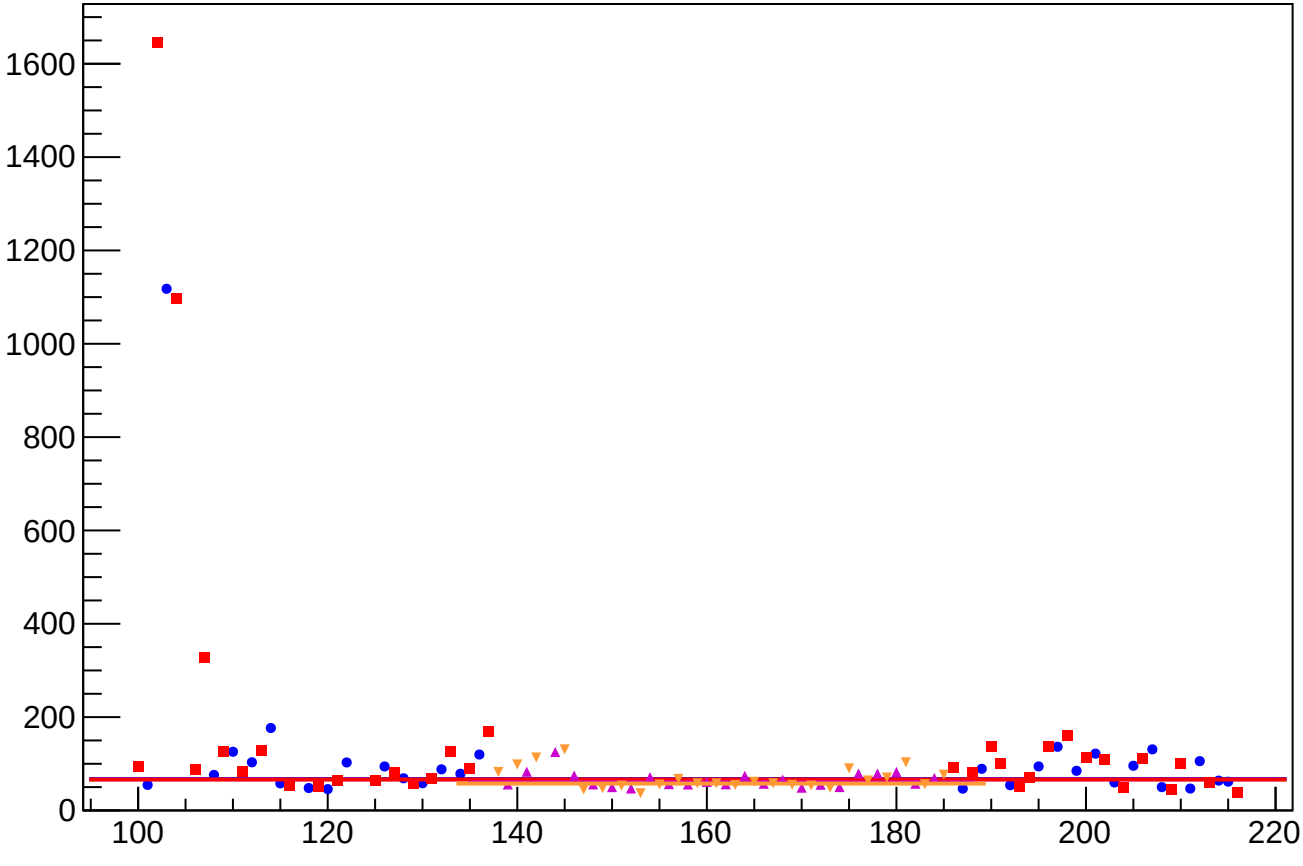
Right: -0.009+/-0.013 χ^2/NDF: 61.4/64

In: -0.002+/-0.012 χ^2/NDF:48.8/53

Out: 0.001+/-0.012 χ^2/NDF:63.7/57

All: -0.001+/-0.008 χ^2/NDF: 112.5/111

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: 66.288+/-0.013 χ^2/NDF: 6008550.4/33

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

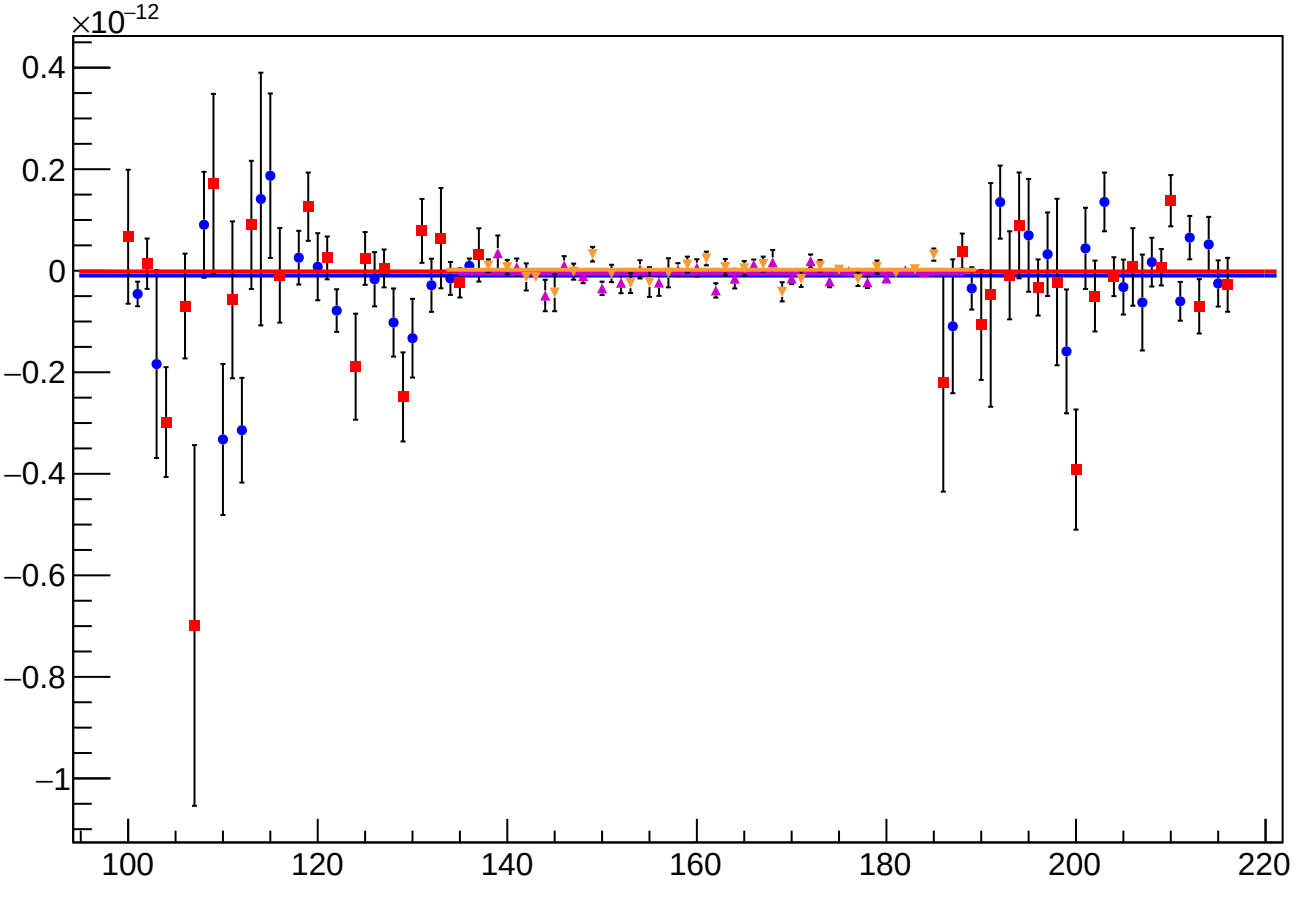
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 66.717+/-0.009 χ^2/NDF: 10261716.2/64

In: 62.894+/-0.008 χ^2/NDF:5778207.9/53

Out: 61.046+/-0.008 χ^2/NDF:8483528.6/57

All: 61.965+/-0.006 χ^2/NDF: 14286377.8/111



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: 57.8/34

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

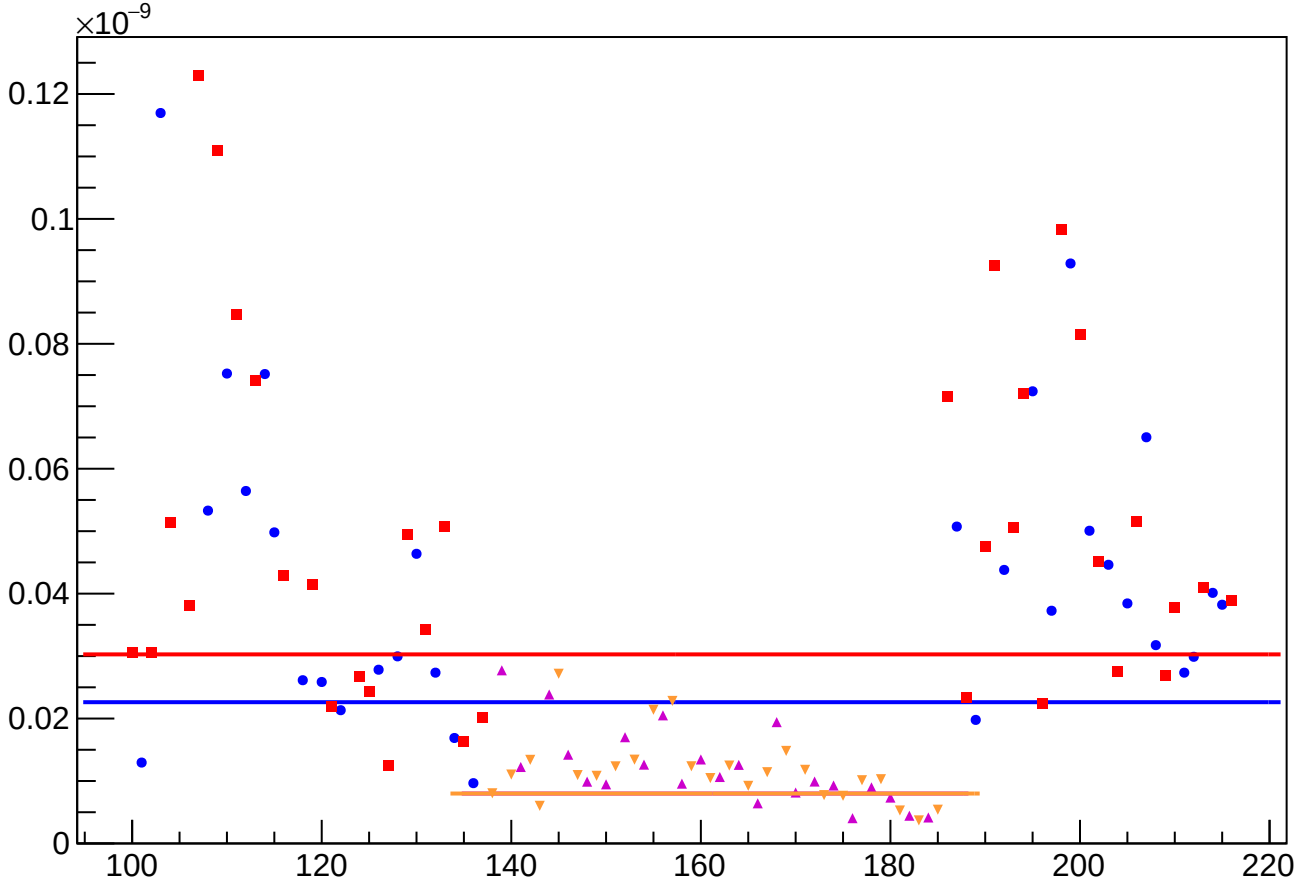
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 108.0/65

In: -0.000+/-0.000 χ^2/NDF:82.6/53

Out: 0.000+/-0.000 χ^2/NDF:89.8/59

All: -0.000+/-0.000 χ^2/NDF: 177.9/113



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: 4516428.5/34

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

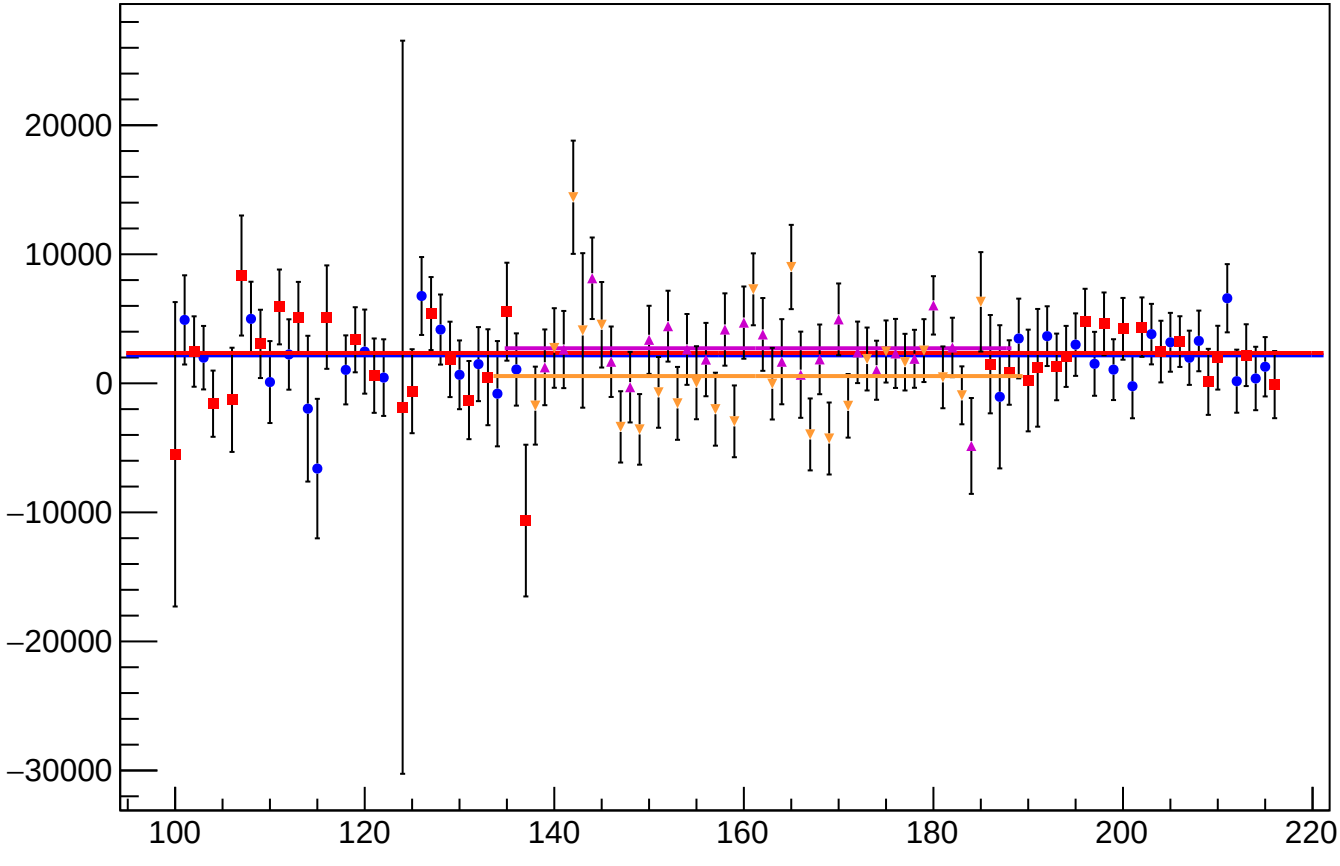
Right: 0.000+/-0.000 χ^2/NDF: 11850495.7/65

In: 0.000+/-0.000 χ^2/NDF:17539574.1/53

Out: 0.000+/-0.000 χ^2/NDF:18304456.3/59

All: 0.000+/-0.000 χ^2/NDF: 35844389.9/113

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: 2350.887+/-488.858 χ^2/NDF: 24.2/34

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

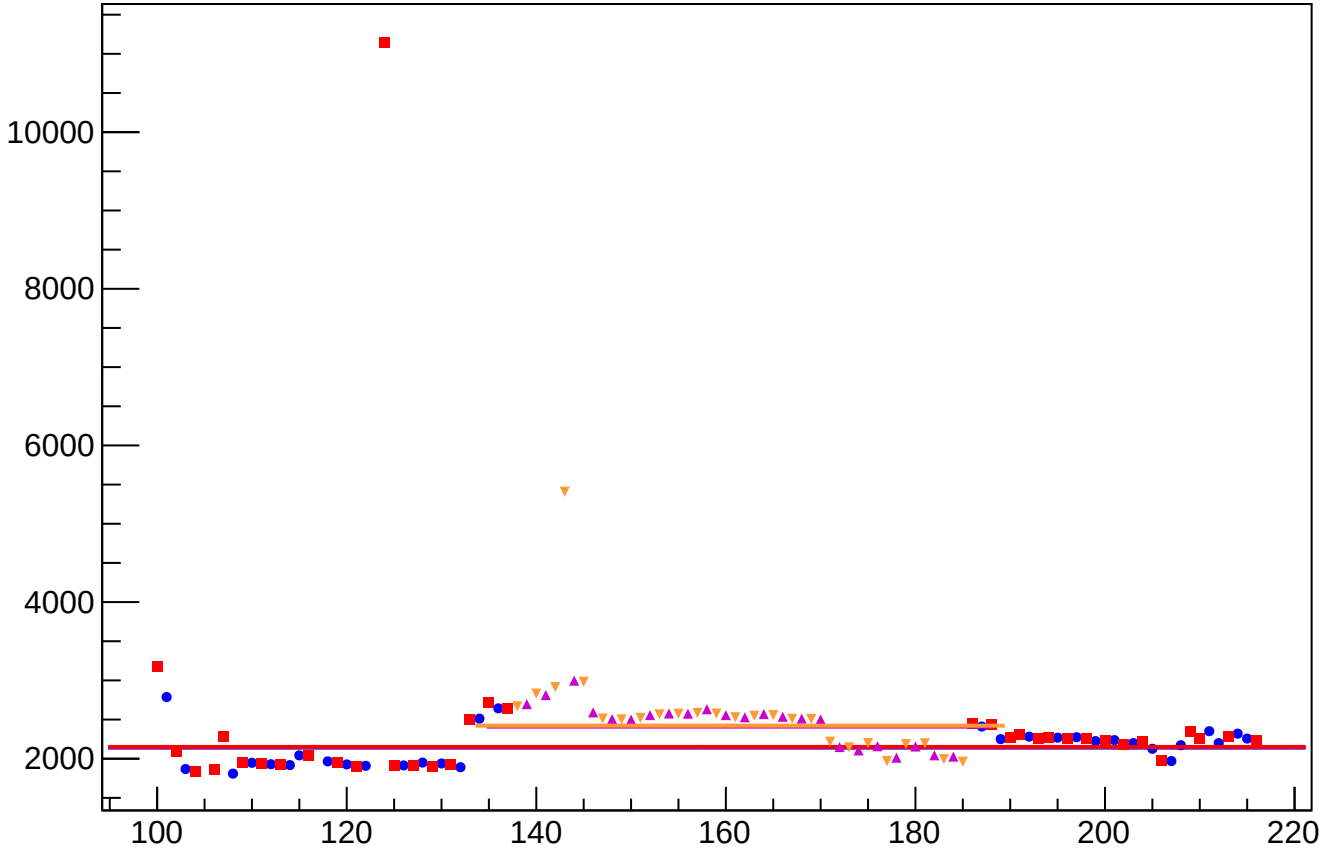
Right: 2259.461+/-346.227 χ^2/NDF: 41.3/65

In: 2402.671+/-370.700 χ^2/NDF:31.8/53

Out: 1573.174+/-367.509 χ^2/NDF:74.0/59

All: 1984.337+/-260.989 χ^2/NDF: 108.3/113

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: 2150.485+/-0.346 χ^2/NDF: 552581.4/34

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

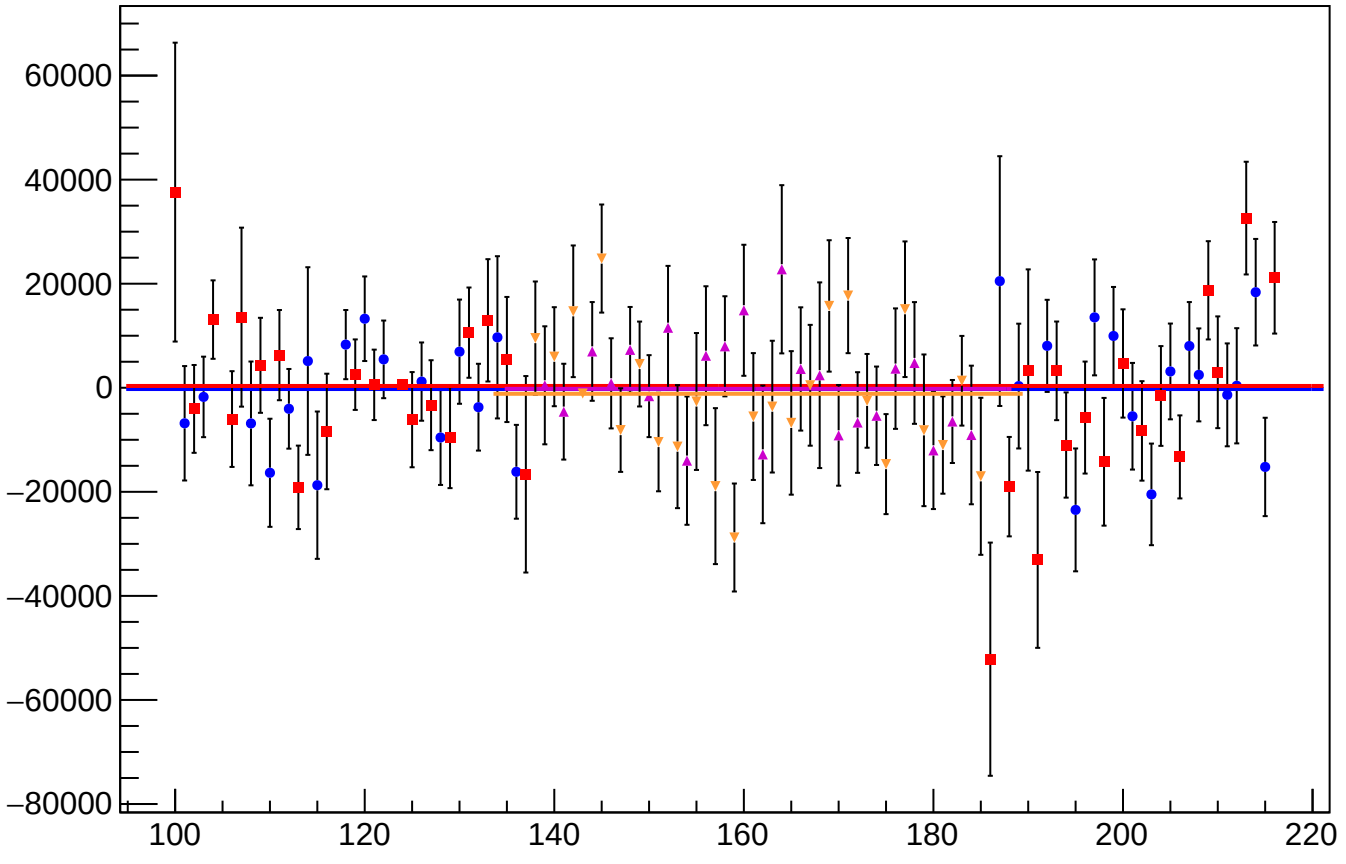
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2146.230+/-0.245 χ^2/NDF: 930784.2/65

In: 2256.771+/-0.262 χ^2/NDF:1062028.7/53

Out: 2268.617+/-0.260 χ^2/NDF:1774017.2/59

All: 2262.745+/-0.185 χ^2/NDF: 2837075.9/11



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: 344.986+/-738.550 χ^2/NDF: 55.5/34

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

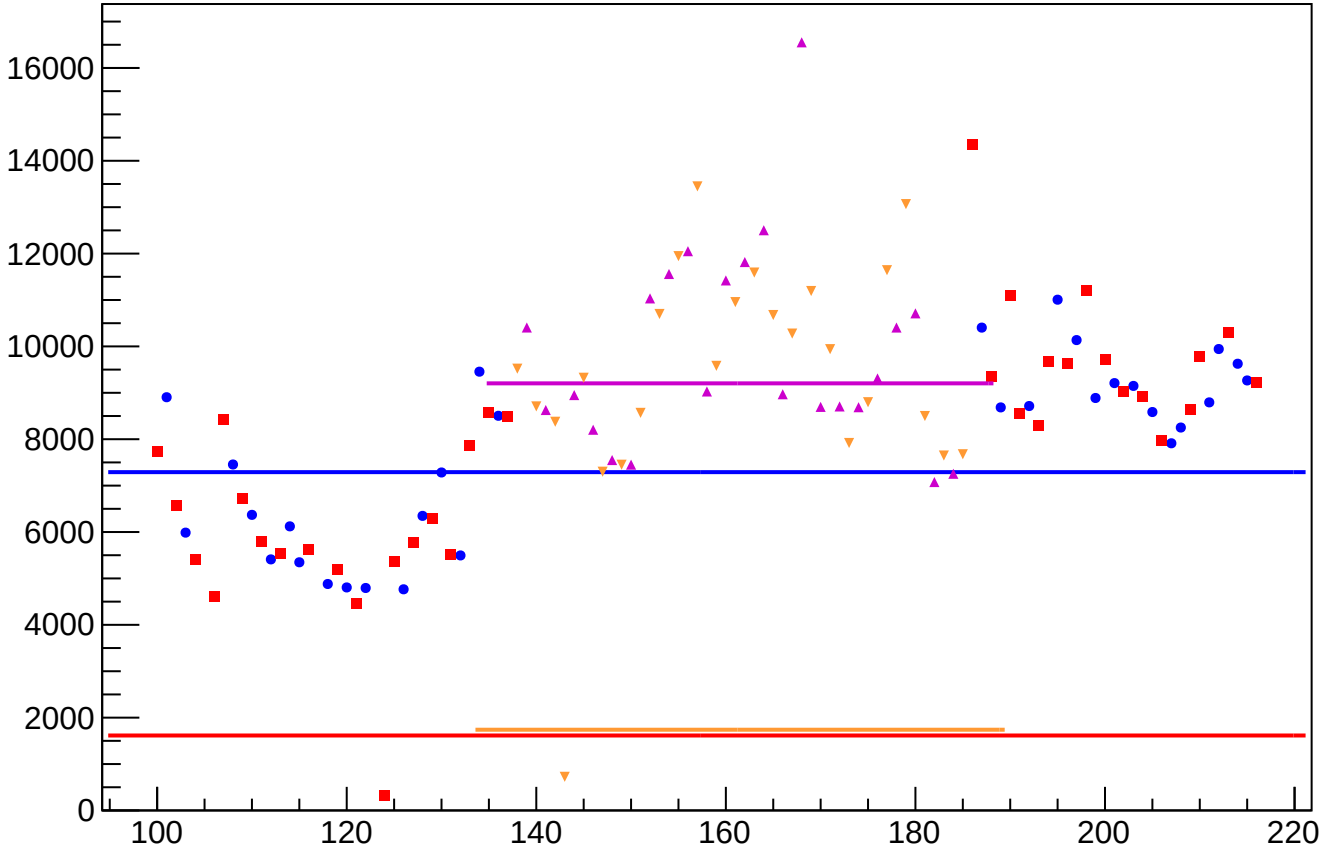
Right: 253.467+/-678.629 χ^2/NDF: 90.8/65

In: -230.236+/-1353.840 χ^2/NDF:48.6/53

Out: -387.282+/-528.907 χ^2/NDF:89.5/59

All: -366.486+/-492.647 χ^2/NDF: 138.1/113

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



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: 1615.394+/-0.522 χ^2/NDF: 29539984.8/34

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

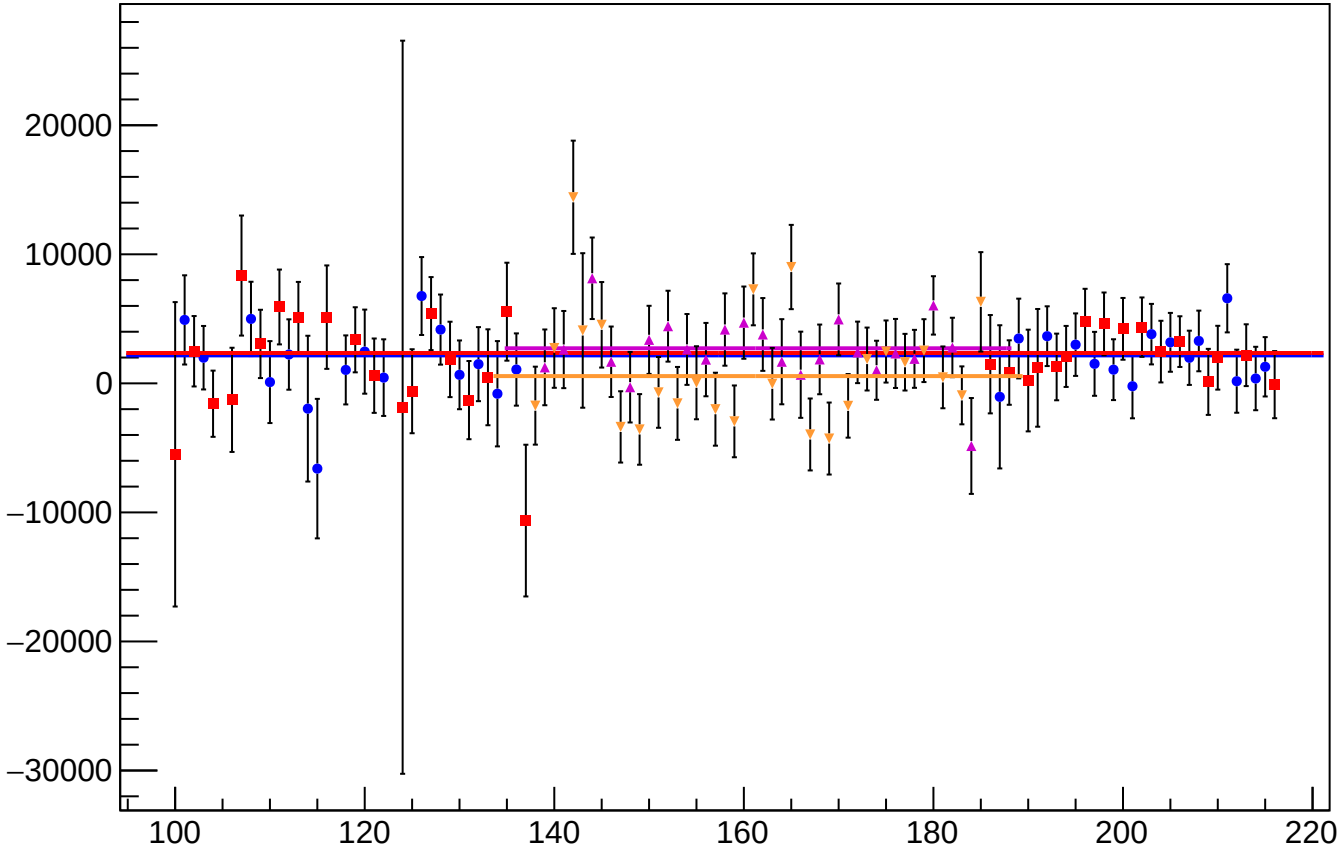
Right: 2498.899+/-0.480 χ^2/NDF: 50362063.1/65

In: 8018.265+/-0.957 χ^2/NDF:4651313.1/53

Out: 1675.944+/-0.374 χ^2/NDF:57301626.9/59

All: 2515.761+/-0.348 χ^2/NDF: 100033522.0

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: 2351.636+/-488.860 χ^2/NDF: 24.2/34

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

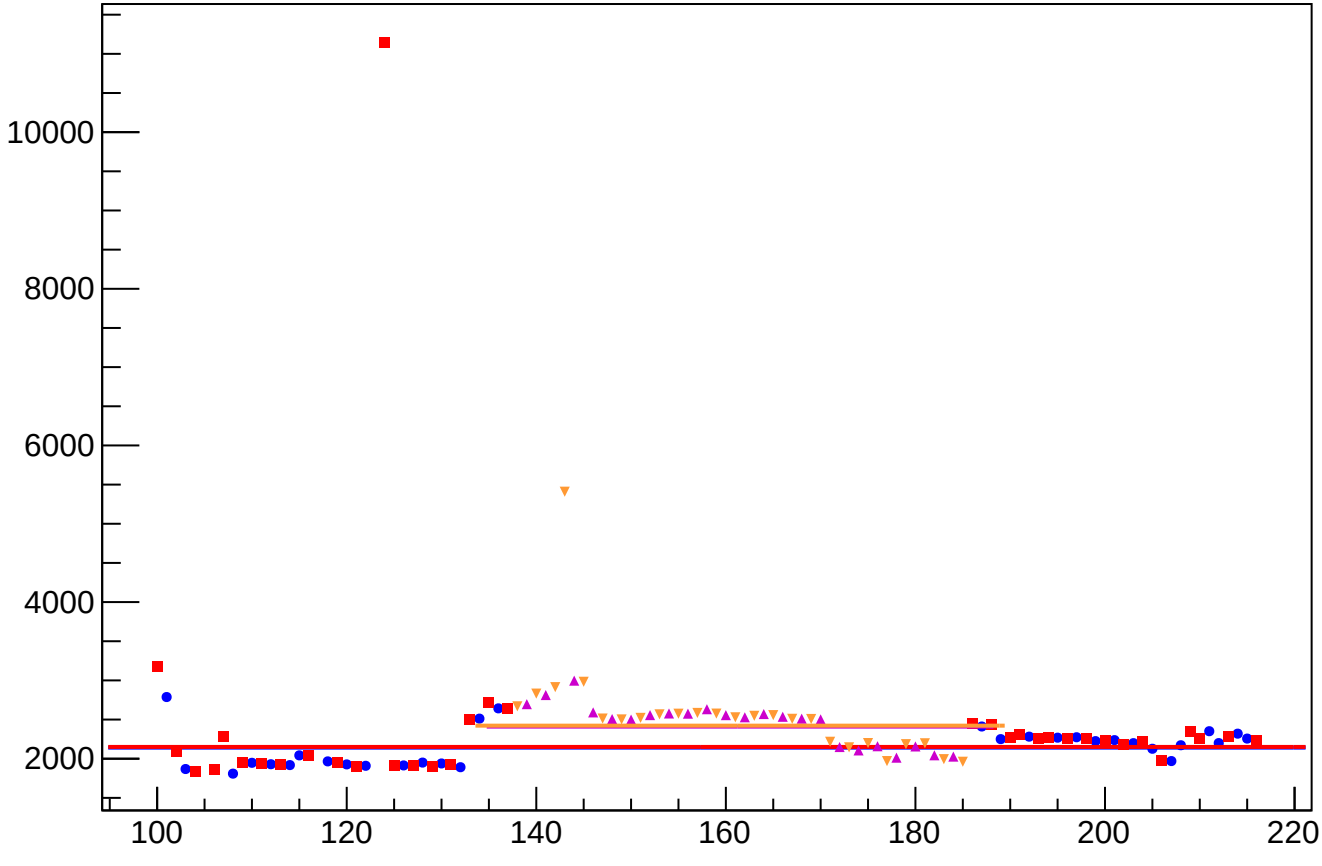
Right: 2259.819+/-346.227 χ^2/NDF: 41.3/65

In: 2402.634+/-370.700 χ^2/NDF:31.8/53

Out: 1573.594+/-367.509 χ^2/NDF:74.0/59

All: 1984.531+/-260.989 χ^2/NDF: 108.3/113

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: 2150.495+/-0.346 χ^2/NDF: 552572.5/34

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

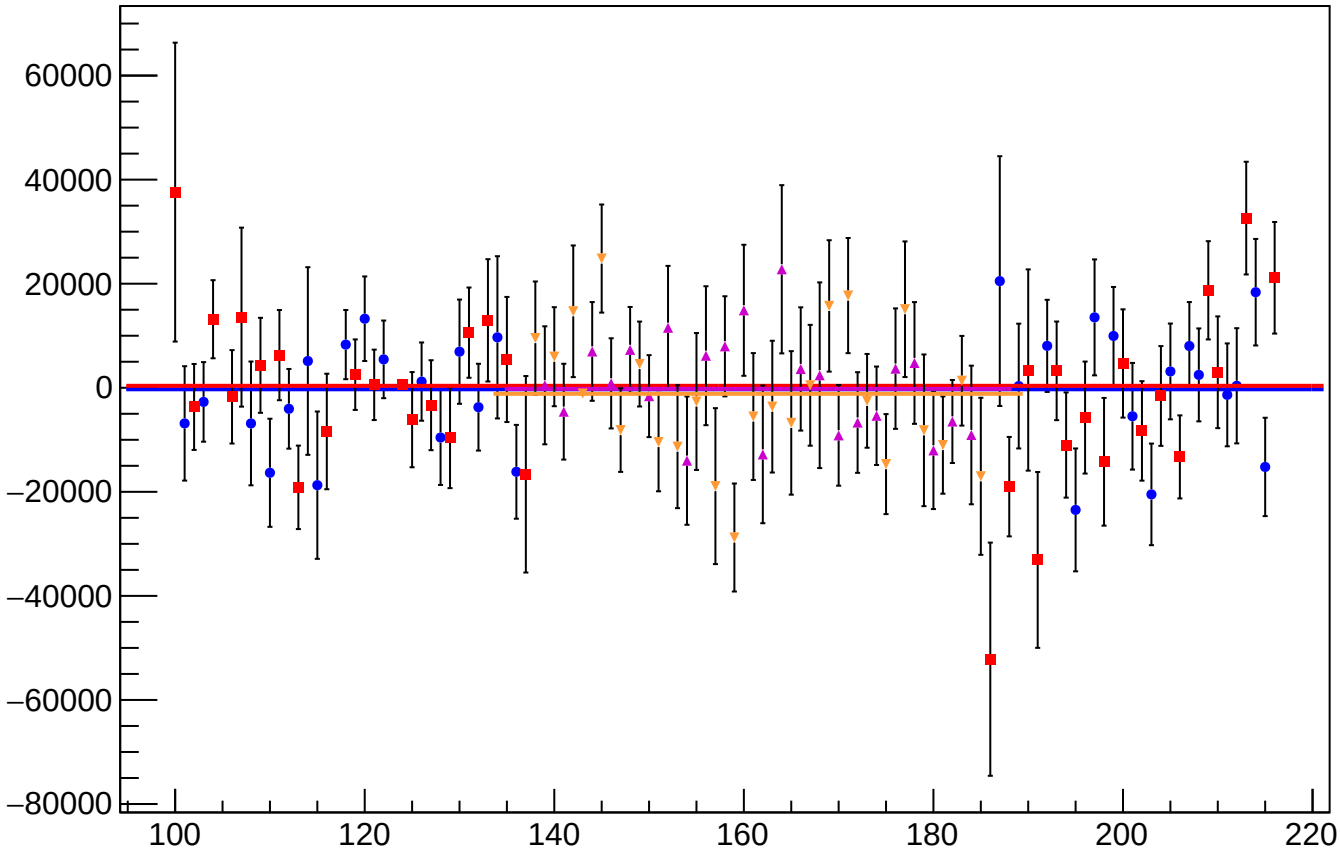
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2146.235+/-0.245 χ^2/NDF: 930776.0/65

In: 2256.771+/-0.262 χ^2/NDF:1062028.7/53

Out: 2268.623+/-0.260 χ^2/NDF:1773987.5/59

All: 2262.748+/-0.185 χ^2/NDF: 2837047.3/11



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: 375.897+/-738.248 χ^2/NDF: 55.1/34

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

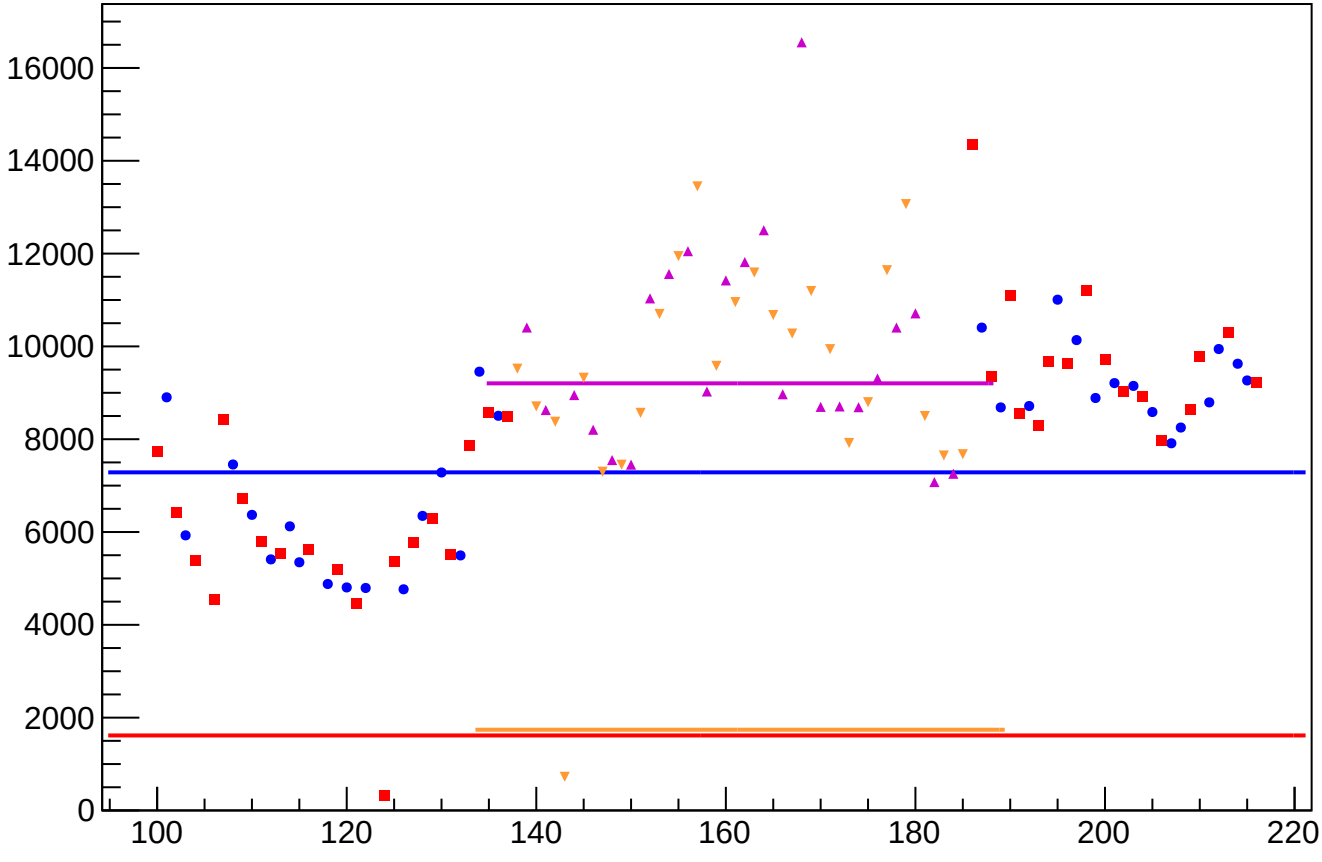
Right: 271.633+/-678.333 χ^2/NDF: 90.5/65

In: -261.645+/-1353.346 χ^2/NDF:48.7/53

Out: -371.064+/-528.774 χ^2/NDF:89.2/59

All: -356.573+/-492.516 χ^2/NDF: 137.9/113

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



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: 1616.475+/-0.522 χ^2/NDF: 29529936.2/34

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

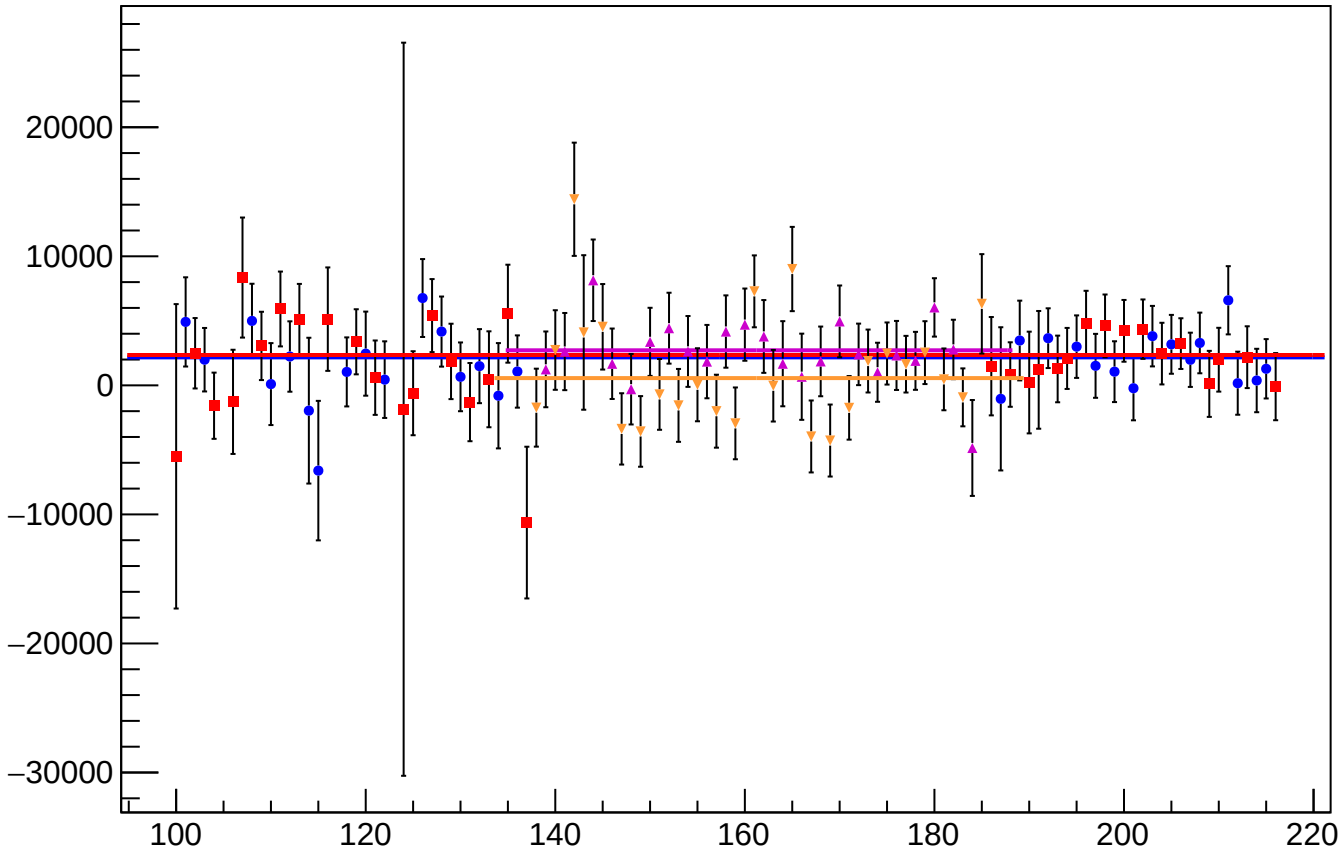
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2499.378+/-0.480 χ^2/NDF: 50342967.6/65

In: 8014.933+/-0.957 χ^2/NDF:4662755.0/53

Out: 1676.365+/-0.374 χ^2/NDF:57292056.7/59

All: 2515.851+/-0.348 χ^2/NDF: 100017013.4



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: 2351.636+/-488.860 χ^2/NDF: 24.2/34

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

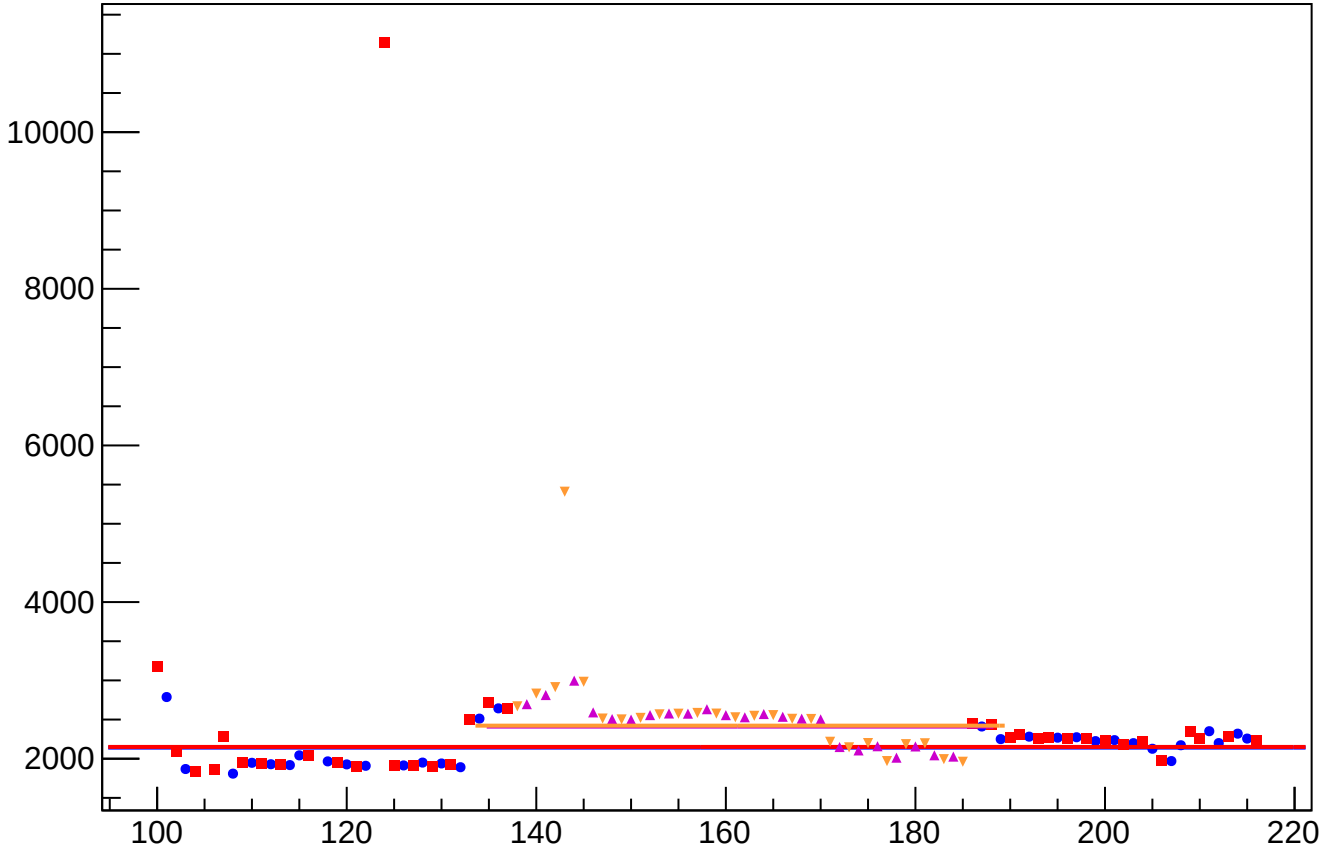
Right: 2259.819+/-346.227 χ^2/NDF: 41.3/65

In: 2402.634+/-370.700 χ^2/NDF:31.8/53

Out: 1573.594+/-367.509 χ^2/NDF:74.0/59

All: 1984.531+/-260.989 χ^2/NDF: 108.3/113

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



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Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2150.495+/-0.346 χ^2/NDF: 552572.5/34

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

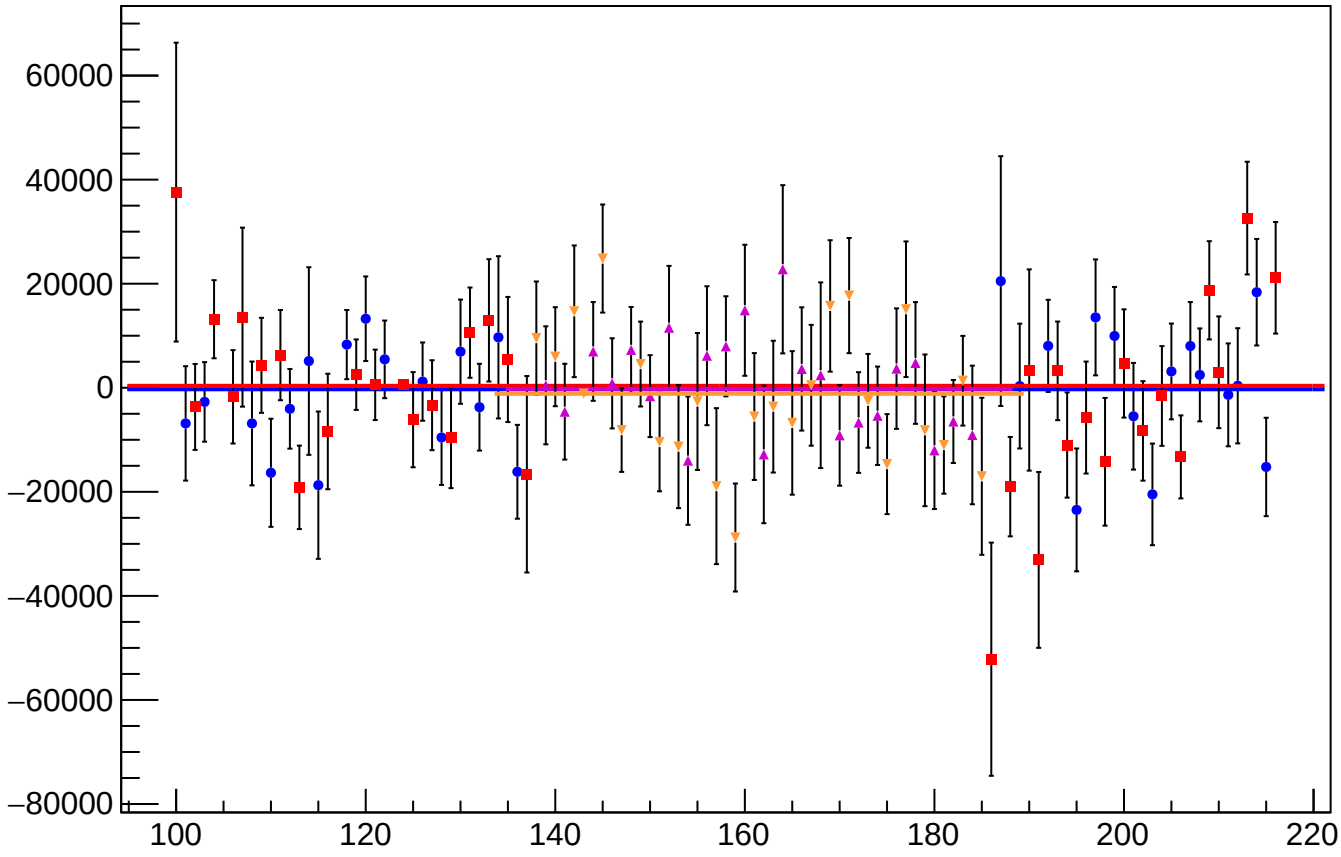
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2146.235+/-0.245 χ^2/NDF: 930776.0/65

In: 2256.771+/-0.262 χ^2/NDF:1062028.7/53

Out: 2268.623+/-0.260 χ^2/NDF:1773987.5/59

All: 2262.748+/-0.185 χ^2/NDF: 2837047.3/11



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: 375.897+/-738.248 χ^2/NDF: 55.1/34

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

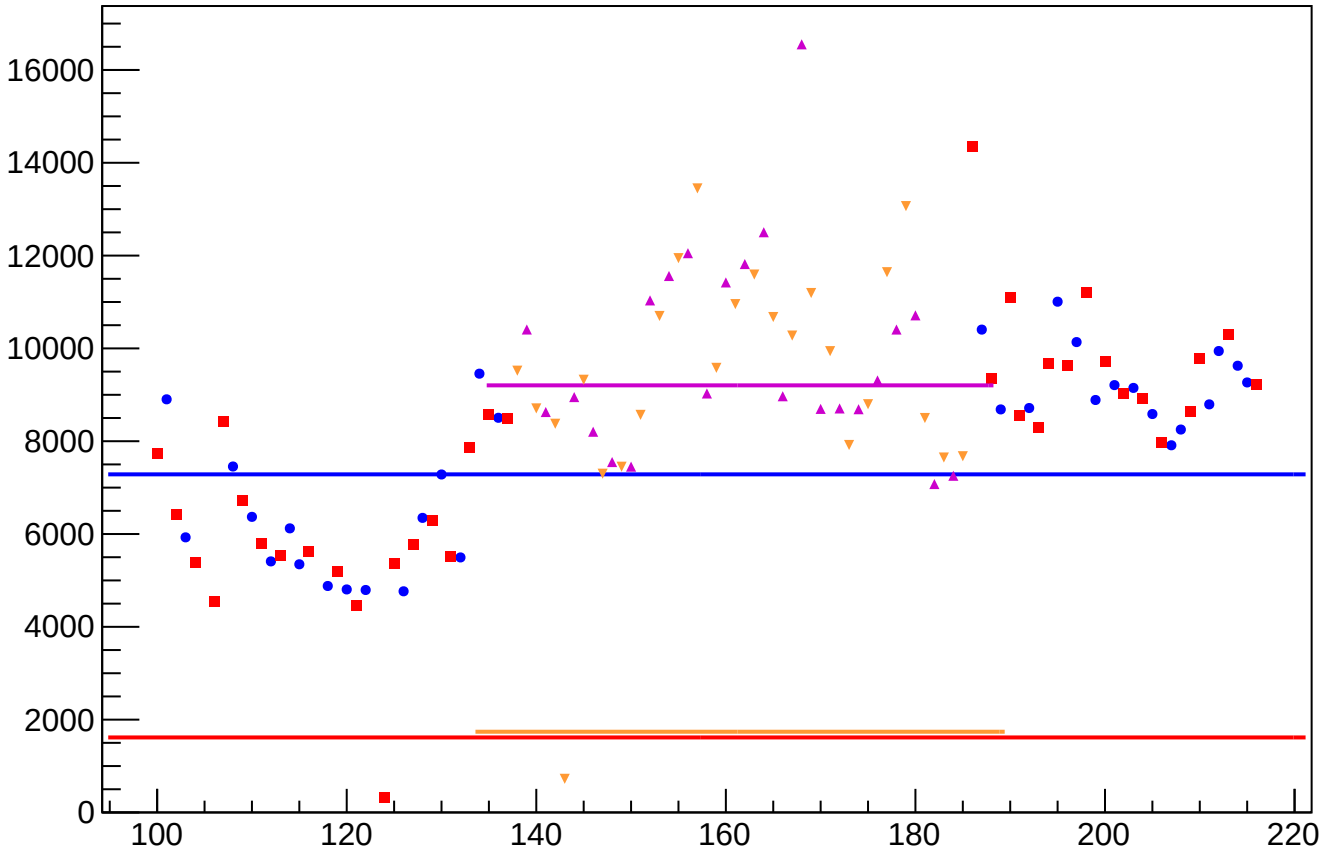
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 271.633+/-678.333 χ^2/NDF: 90.5/65

In: -261.645+/-1353.346 χ^2/NDF:48.7/53

Out: -371.064+/-528.774 χ^2/NDF:89.2/59

All: -356.573+/-492.516 χ^2/NDF: 137.9/113



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: 1616.475+/-0.522 χ^2/NDF: 29529936.2/34

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

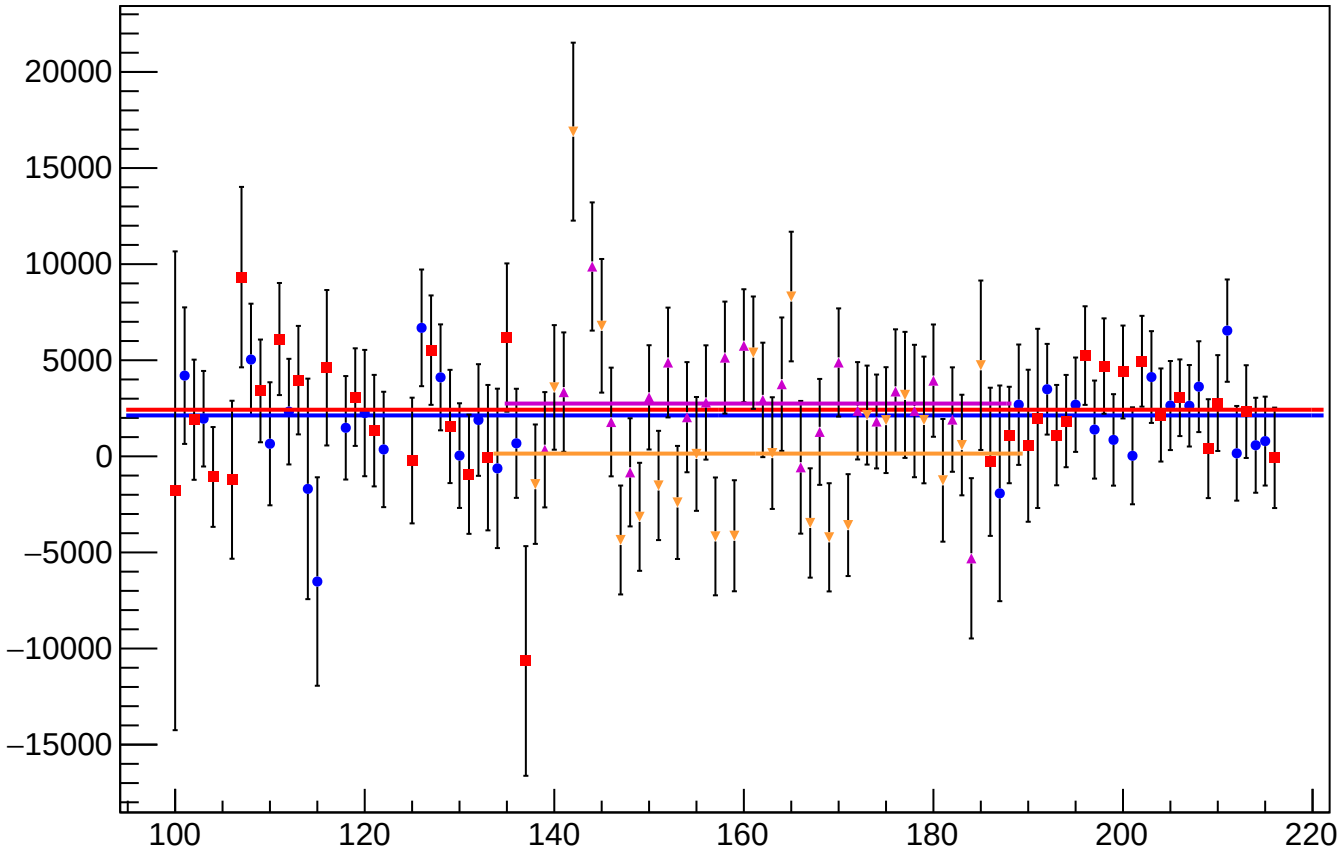
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2499.378+/-0.480 χ^2/NDF: 50342967.6/65

In: 8014.933+/-0.957 χ^2/NDF:4662755.0/53

Out: 1676.365+/-0.374 χ^2/NDF:57292056.7/59

All: 2515.851+/-0.348 χ^2/NDF: 100017013.4



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: 2425.090+/-496.669 χ^2/NDF: 23.5/33

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

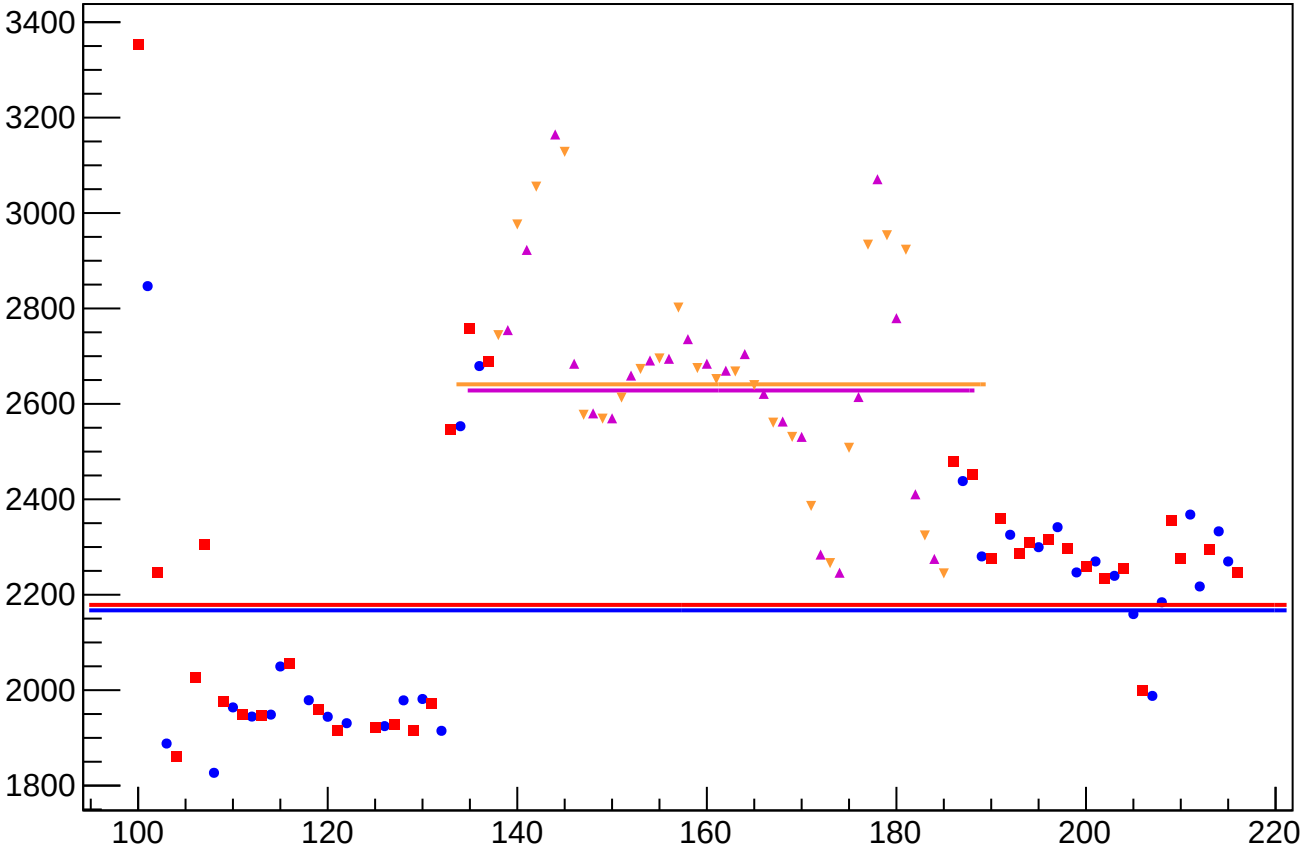
Right: 2276.844+/-351.115 χ^2/NDF: 40.0/64

In: 2371.717+/-386.565 χ^2/NDF:32.4/53

Out: 1525.335+/-386.579 χ^2/NDF:77.7/57

All: 1948.542+/-273.348 χ^2/NDF: 112.4/111

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: 2178.734+/-0.351 χ^2/NDF: 354686.8/33

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

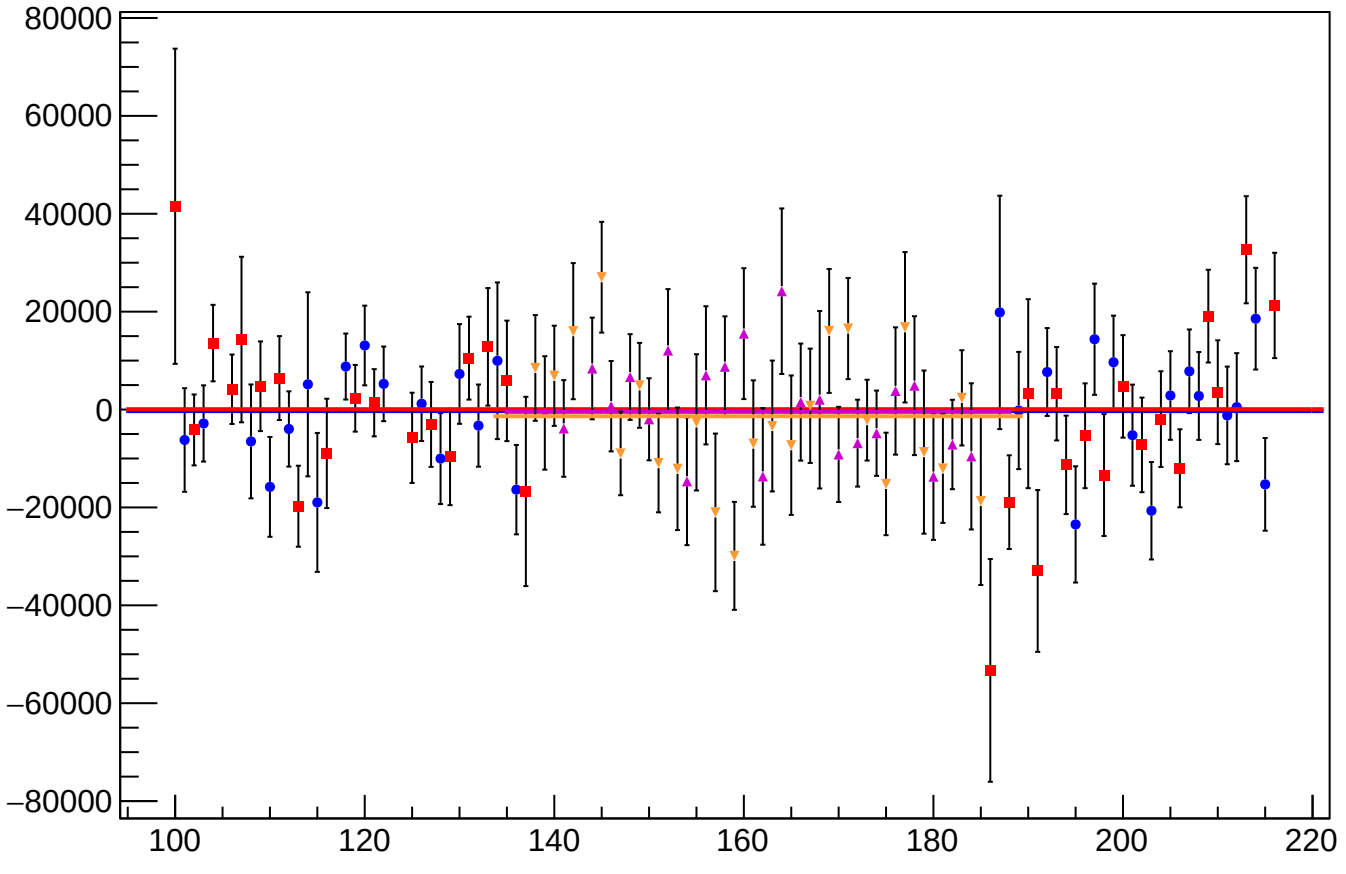
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2173.017+/-0.248 χ^2/NDF: 744813.9/64

In: 2348.698+/-0.273 χ^2/NDF:1305482.4/53

Out: 2360.808+/-0.273 χ^2/NDF:1291326.8/57

All: 2354.755+/-0.193 χ^2/NDF: 2597790.9/11



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: 70.697+/-1679.685 χ^2/NDF: 54.8/33

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

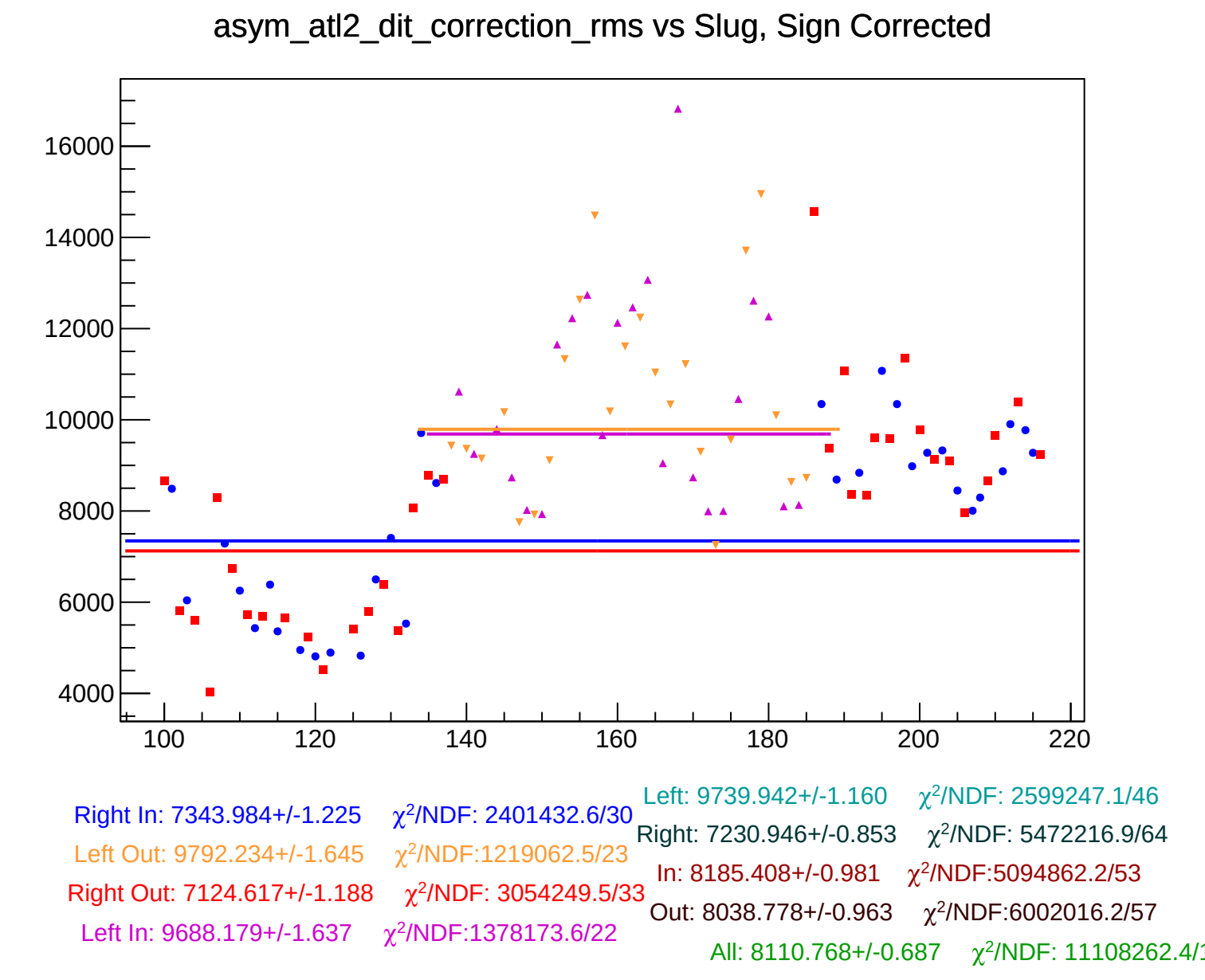
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

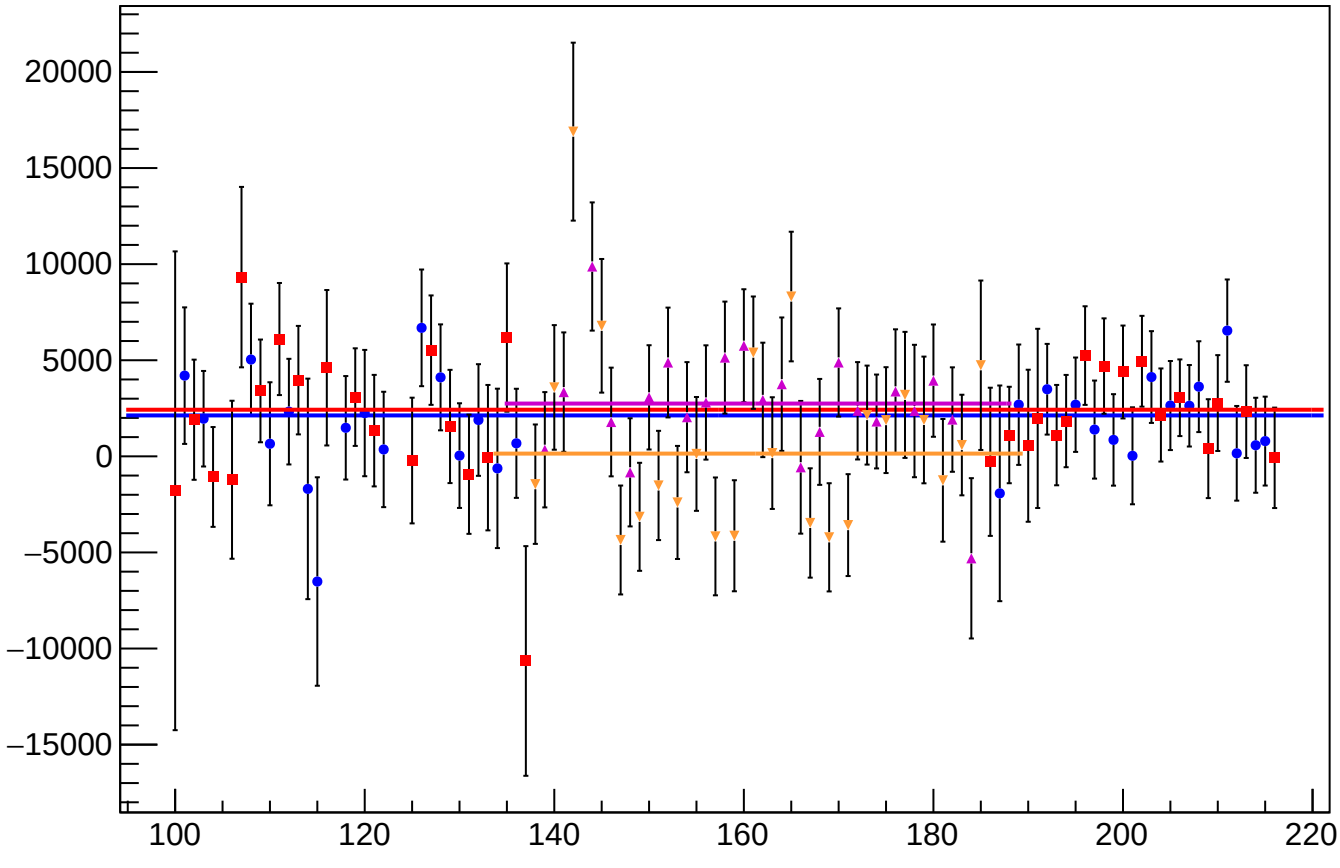
Right: -117.101+/-1205.742 χ^2/NDF: 89.7/64

In: -369.522+/-1386.640 χ^2/NDF:48.0/53

Out: -421.931+/-1361.800 χ^2/NDF:86.3/57

All: -396.200+/-971.601 χ^2/NDF: 134.2/111


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 7343.984+/-1.225 χ²/NDF: 2401432.6/30
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 7124.617+/-1.188 χ²/NDF: 3054249.5/33
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 7230.946+/-0.853 χ²/NDF: 5472216.9/64
In: 8185.408+/-0.981 χ²/NDF:5094862.2/53
Out: 8038.778+/-0.963 χ²/NDF:6002016.2/57
All: 8110.768+/-0.687 χ²/NDF: 11108262.4/



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: 2425.087+/-496.669 χ^2/NDF: 23.5/33

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

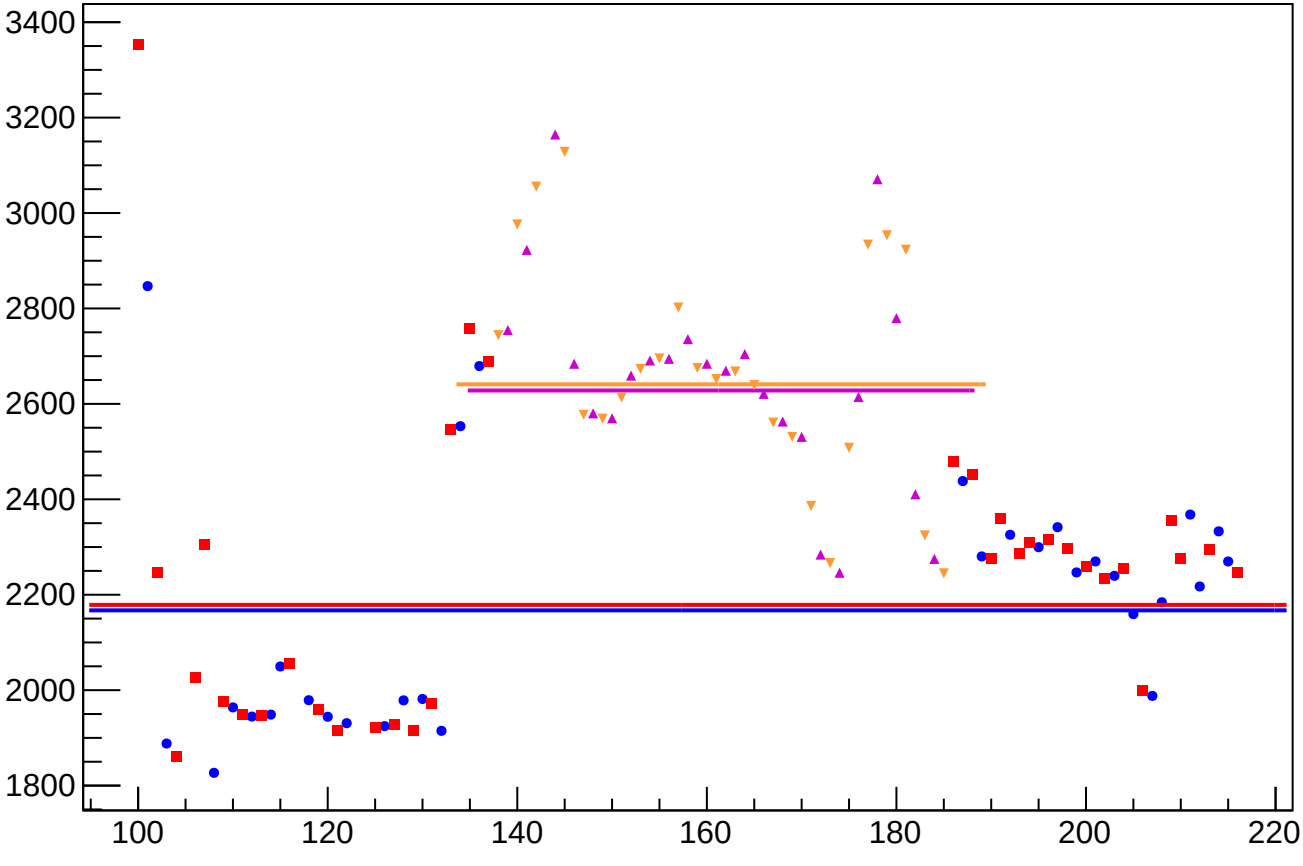
Right: 2276.844+/-351.115 χ^2/NDF: 40.0/64

In: 2371.717+/-386.565 χ^2/NDF:32.4/53

Out: 1525.331+/-386.580 χ^2/NDF:77.7/57

All: 1948.540+/-273.348 χ^2/NDF: 112.4/111

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2167.299+/-0.351 χ^2/NDF: 389596.4/30

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2178.734+/-0.351 χ^2/NDF: 354687.4/33

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

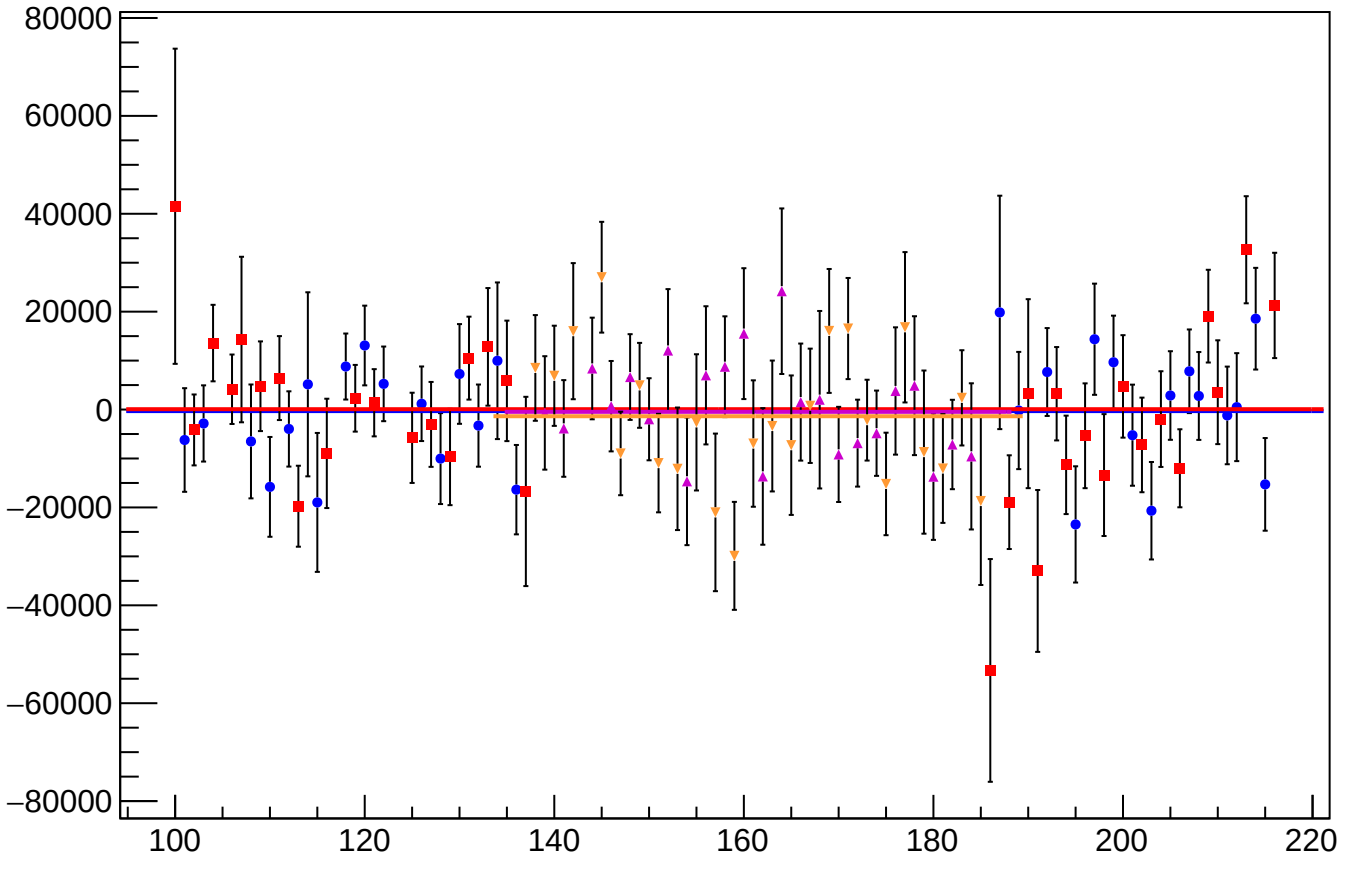
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2173.017+/-0.248 χ^2/NDF: 744814.4/64

In: 2348.699+/-0.273 χ^2/NDF:1305496.7/53

Out: 2360.809+/-0.273 χ^2/NDF:1291342.8/57

All: 2354.756+/-0.193 χ^2/NDF: 2597821.2/11



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: 70.705+/-1679.683 χ^2/NDF: 54.8/33

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

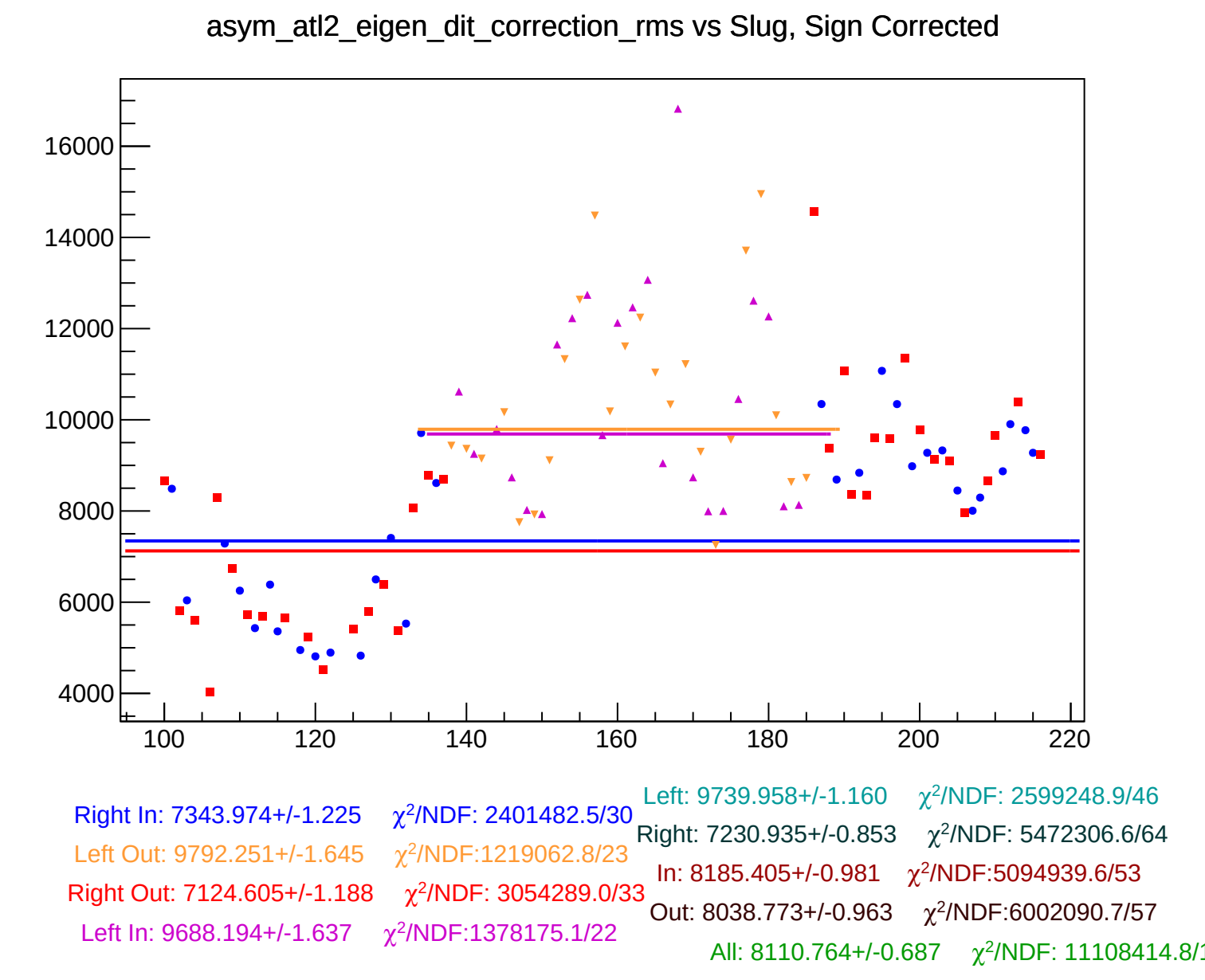
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -117.093+/-1205.741 χ^2/NDF: 89.7/64

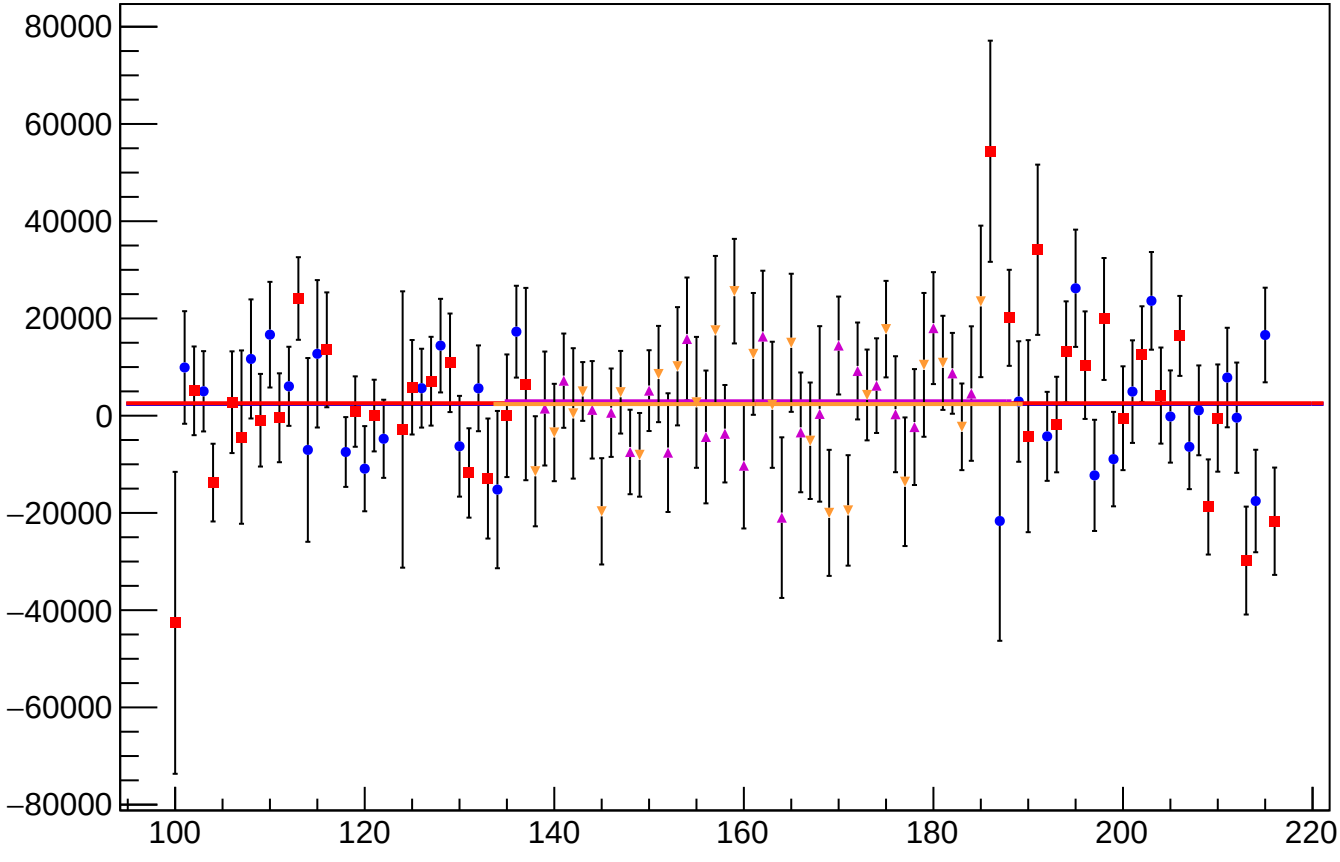
In: -369.518+/-1386.640 χ^2/NDF:48.0/53

Out: -421.926+/-1361.800 χ^2/NDF:86.3/57

All: -396.196+/-971.601 χ^2/NDF: 134.2/111


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 7343.974+/-1.225 χ²/NDF: 2401482.5/30
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 7124.605+/-1.188 χ²/NDF: 3054289.0/33
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 7230.935+/-0.853 χ²/NDF: 5472306.6/64
In: 8185.405+/-0.981 χ²/NDF:5094939.6/53
Out: 8038.773+/-0.963 χ²/NDF:6002090.7/57
All: 8110.764+/-0.687 χ²/NDF: 11108414.8/1

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: 2556.980+/-1783.018 χ^2/NDF: 56.9/34

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

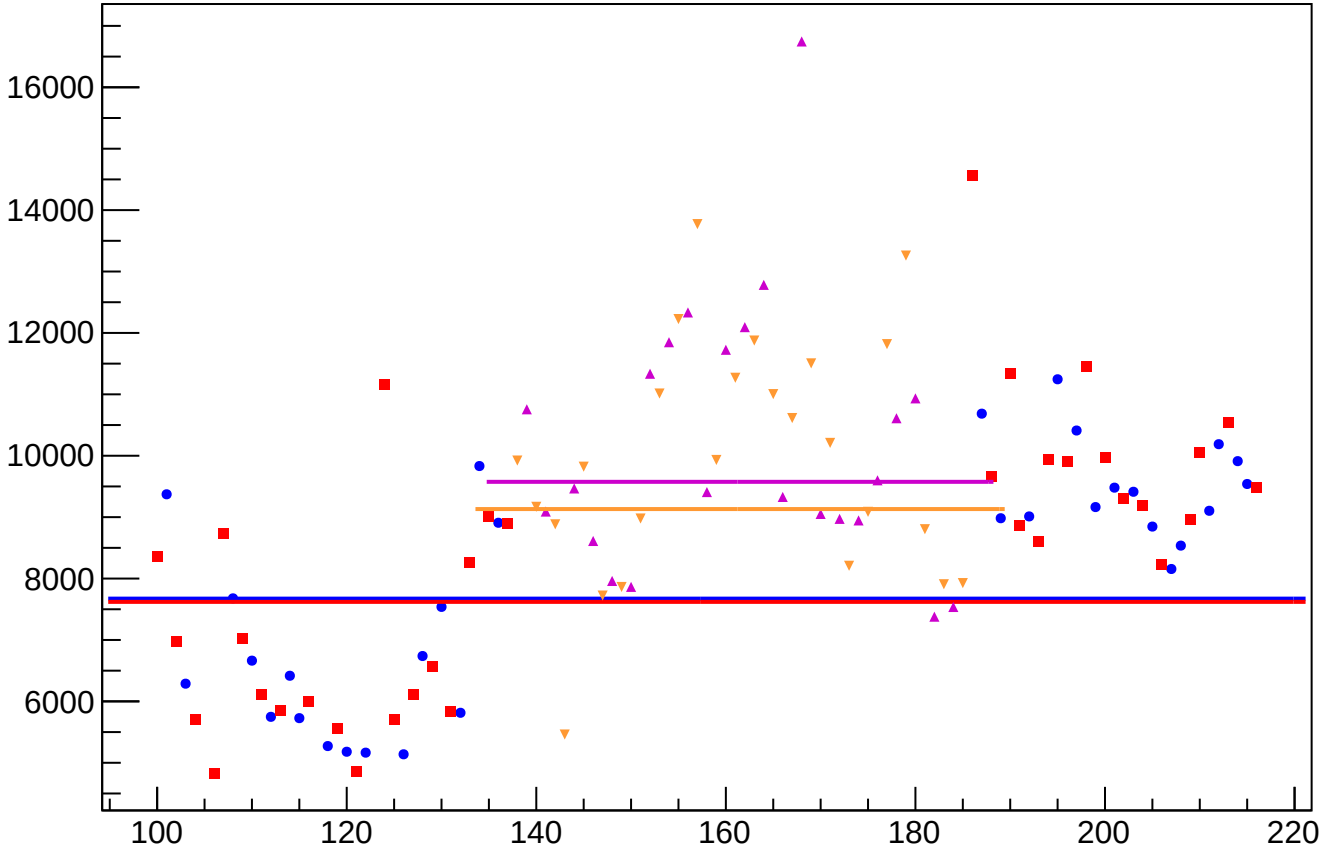
Right: 2485.085+/-1267.723 χ^2/NDF: 91.9/65

In: 2624.042+/-1413.890 χ^2/NDF:48.0/53

Out: 2487.549+/-1368.940 χ^2/NDF:86.7/59

All: 2553.591+/-983.494 χ^2/NDF: 134.7/113

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: 7620.353+/-1.261 χ^2/NDF: 2496348.8/34

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

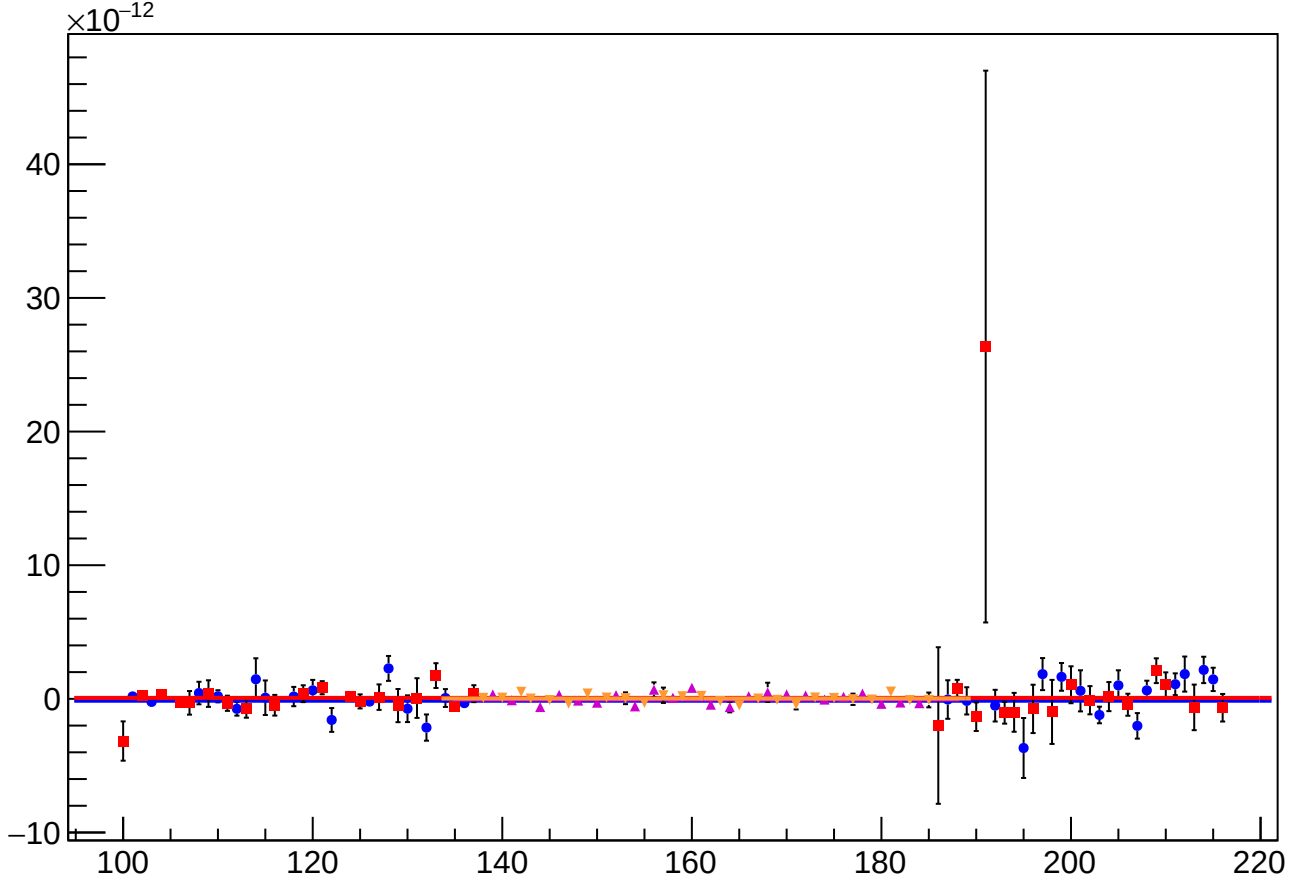
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7646.474+/-0.896 χ^2/NDF: 4628087.2/65

In: 8405.317+/-1.000 χ^2/NDF:4141605.7/53

Out: 8240.820+/-0.968 χ^2/NDF:4897948.3/59

All: 8320.412+/-0.695 χ^2/NDF: 9053527.1/11



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: 36.0/34

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

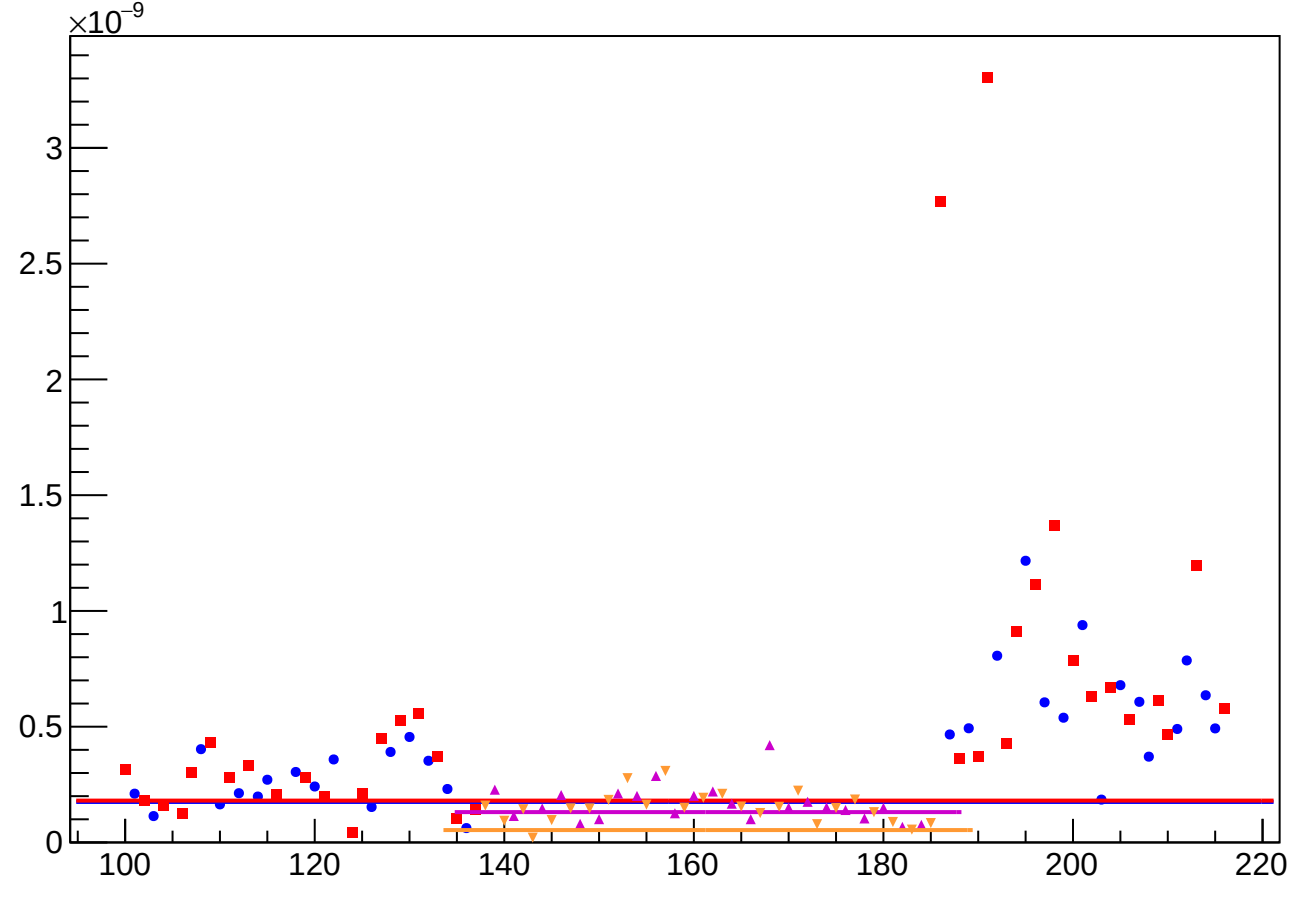
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 91.2/65

In: -0.000+/-0.000 χ^2/NDF:89.9/53

Out: 0.000+/-0.000 χ^2/NDF:54.1/59

All: 0.000+/-0.000 χ^2/NDF: 147.7/113



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: 8300699.0/34

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

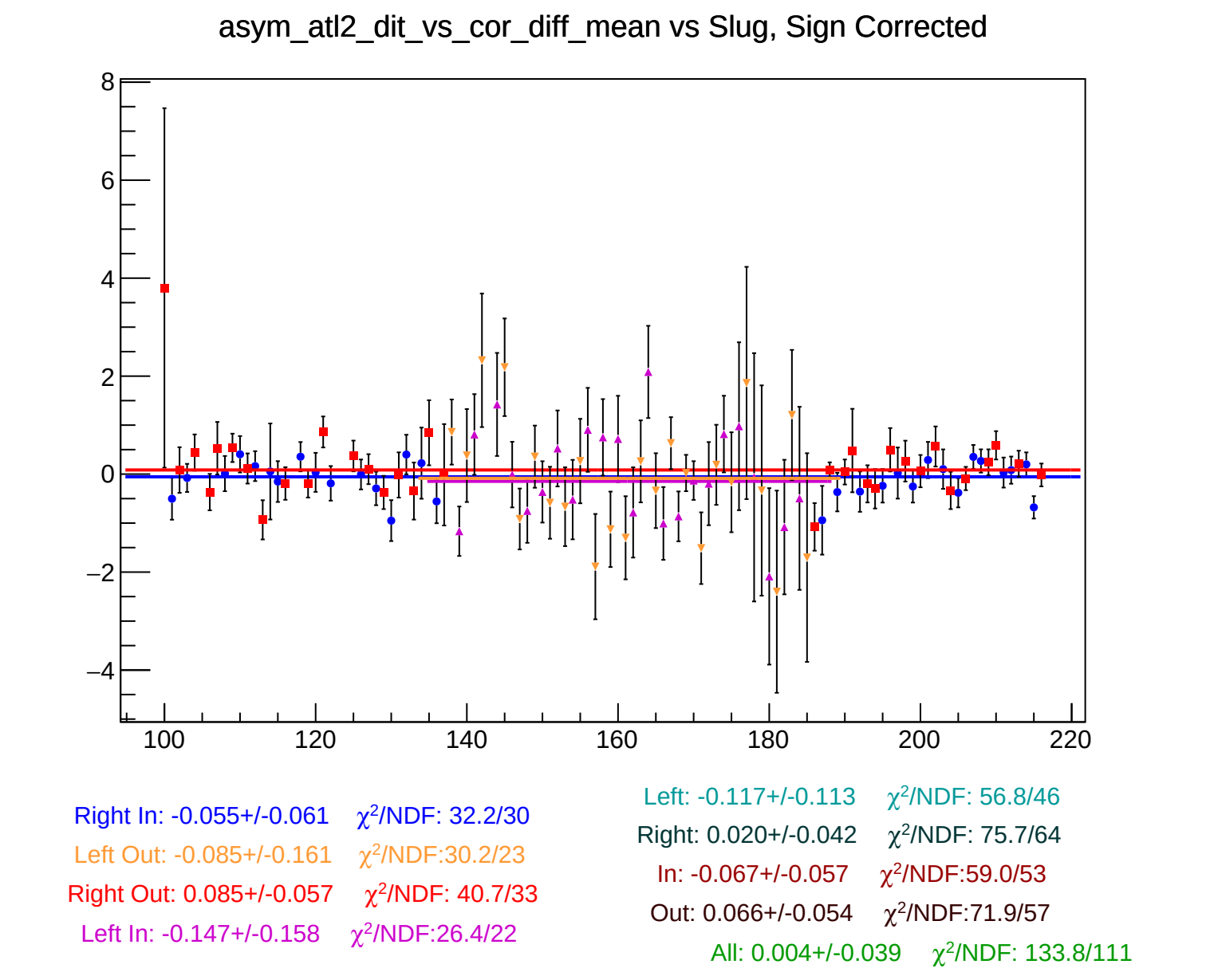
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15153856.9/65

In: 0.000+/-0.000 χ^2/NDF:9103653.8/53

Out: 0.000+/-0.000 χ^2/NDF:19125337.9/59

All: 0.000+/-0.000 χ^2/NDF: 32250334.4/113


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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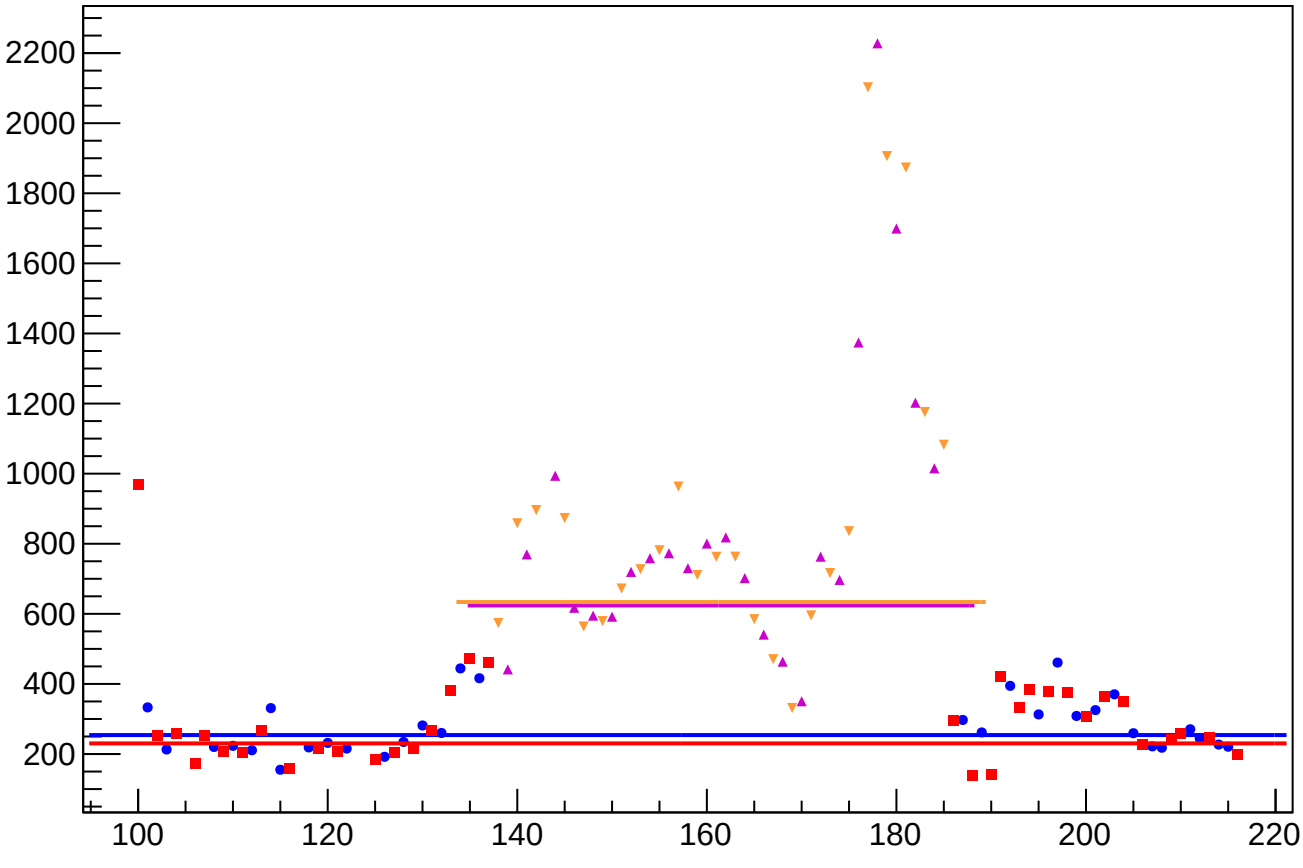
220
Right In: -0.055+/-0.061 χ²/NDF: 32.2/30
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.085+/-0.057 χ²/NDF: 40.7/33
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.020+/-0.042 χ²/NDF: 75.7/64
In: -0.067+/-0.057 χ²/NDF:59.0/53
Out: 0.066+/-0.054 χ²/NDF:71.9/57
All: 0.004+/-0.039 χ²/NDF: 133.8/111



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: 230.271+/-0.040 χ^2/NDF: 3476303.9/33

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

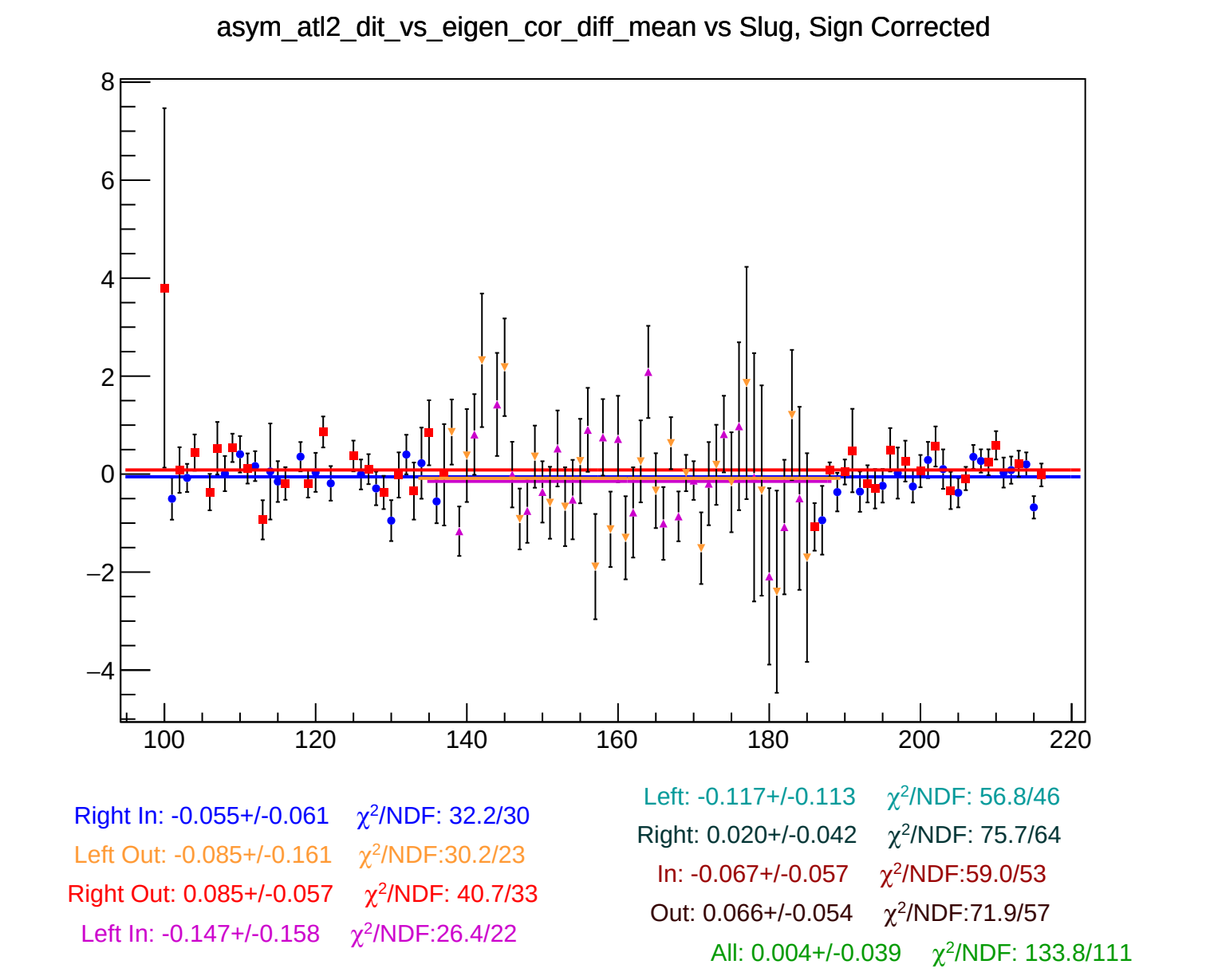
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 241.321+/-0.029 χ^2/NDF: 5572357.2/64

In: 302.011+/-0.040 χ^2/NDF:15986385.1/53

Out: 274.689+/-0.038 χ^2/NDF:19584386.0/57

All: 287.514+/-0.028 χ^2/NDF: 35815010.9/11


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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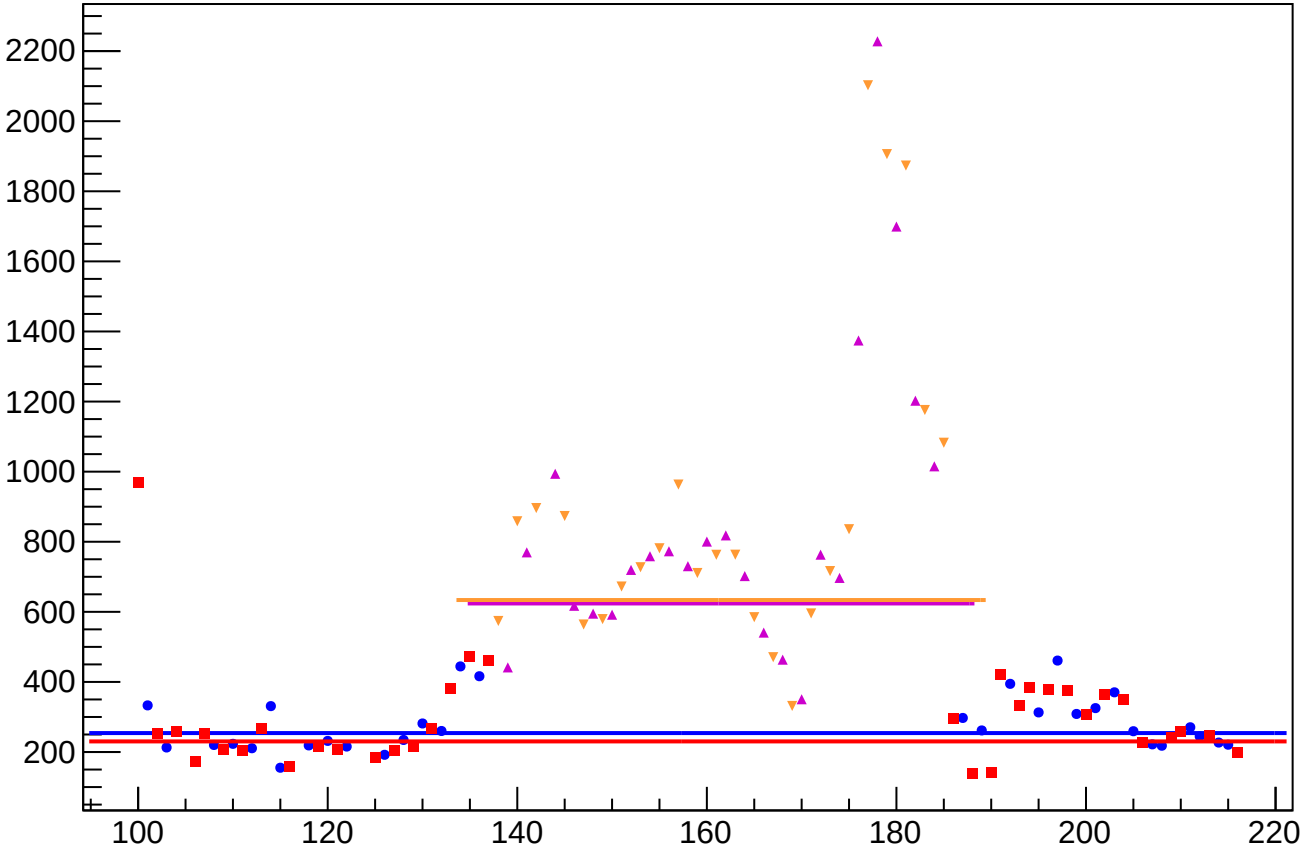
200
220
Right In: -0.055+/-0.061 χ²/NDF: 32.2/30
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.085+/-0.057 χ²/NDF: 40.7/33
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.020+/-0.042 χ²/NDF: 75.7/64
In: -0.067+/-0.057 χ²/NDF:59.0/53
Out: 0.066+/-0.054 χ²/NDF:71.9/57
All: 0.004+/-0.039 χ²/NDF: 133.8/111

asym_atl2_dit_vs_eigen_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: 230.271+/-0.040 χ^2/NDF: 3476303.9/33

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

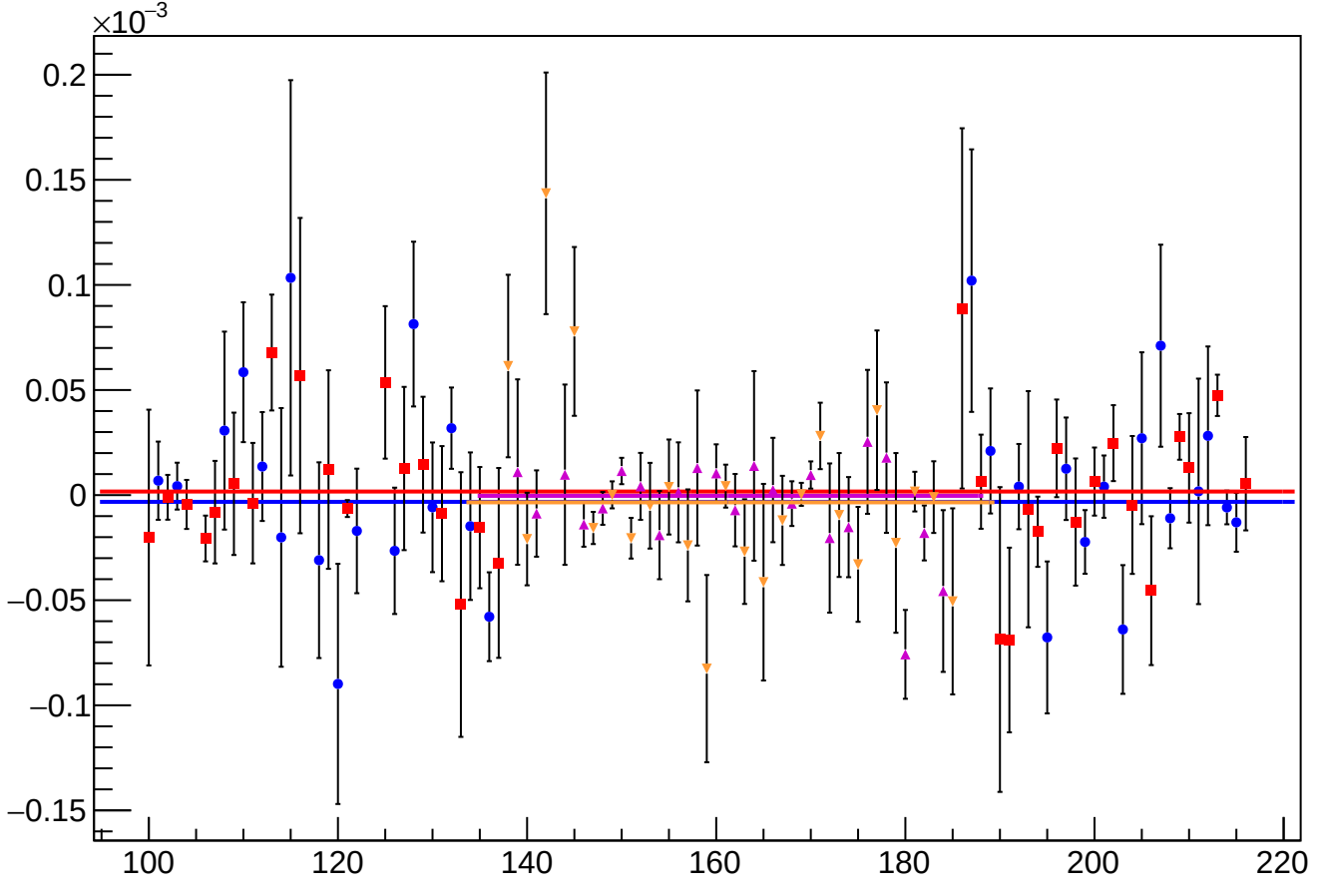
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 241.321+/-0.029 χ^2/NDF: 5572357.2/64

In: 302.011+/-0.040 χ^2/NDF:15986385.1/53

Out: 274.689+/-0.038 χ^2/NDF:19584386.0/57

All: 287.514+/-0.028 χ^2/NDF: 35815010.9/11



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: 57.5/33

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

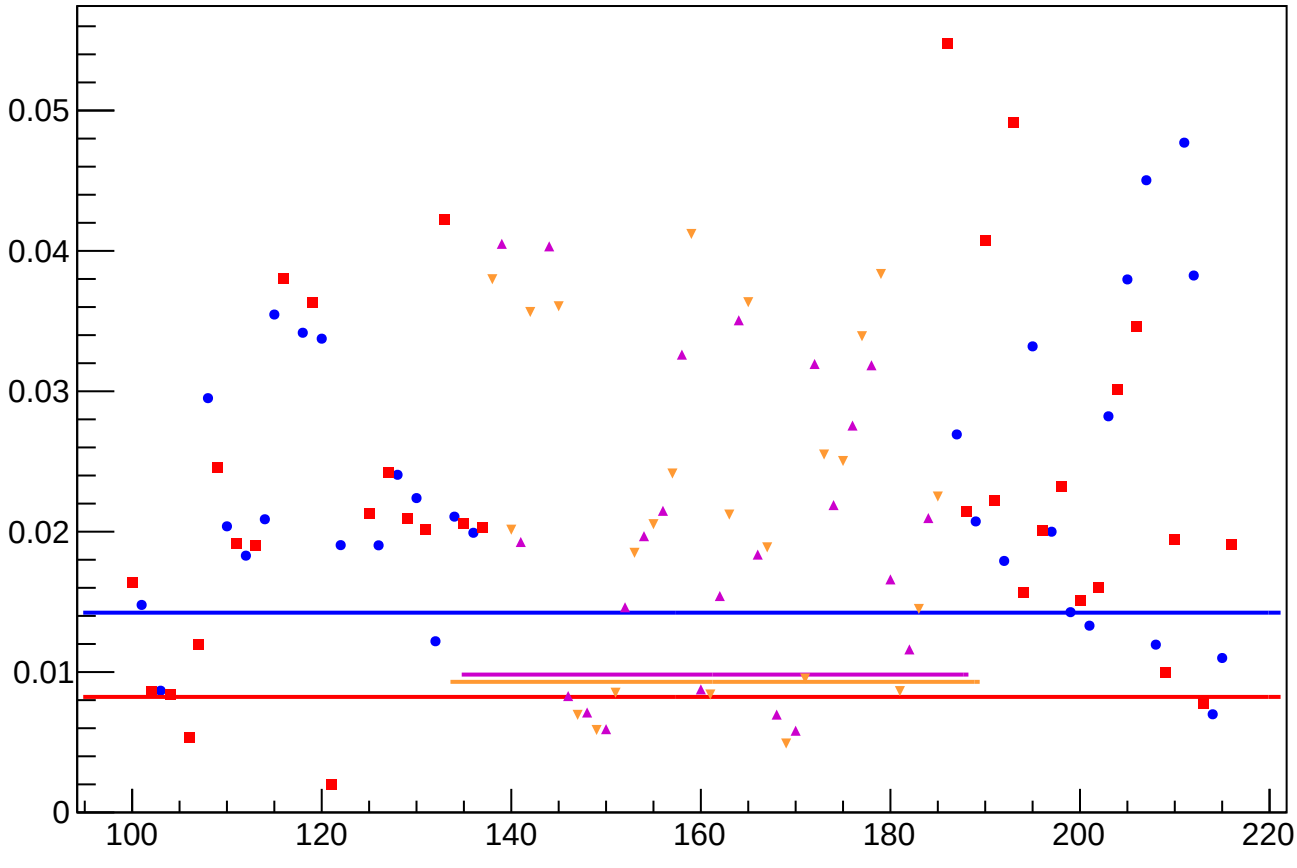
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: 0.000+/-0.000 χ^2/NDF: 100.7/64

In: -0.000+/-0.000 χ^2/NDF:70.3/53

Out: -0.000+/-0.000 χ^2/NDF:93.5/57

All: -0.000+/-0.000 χ^2/NDF: 163.9/111



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: 17374010.6/33

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

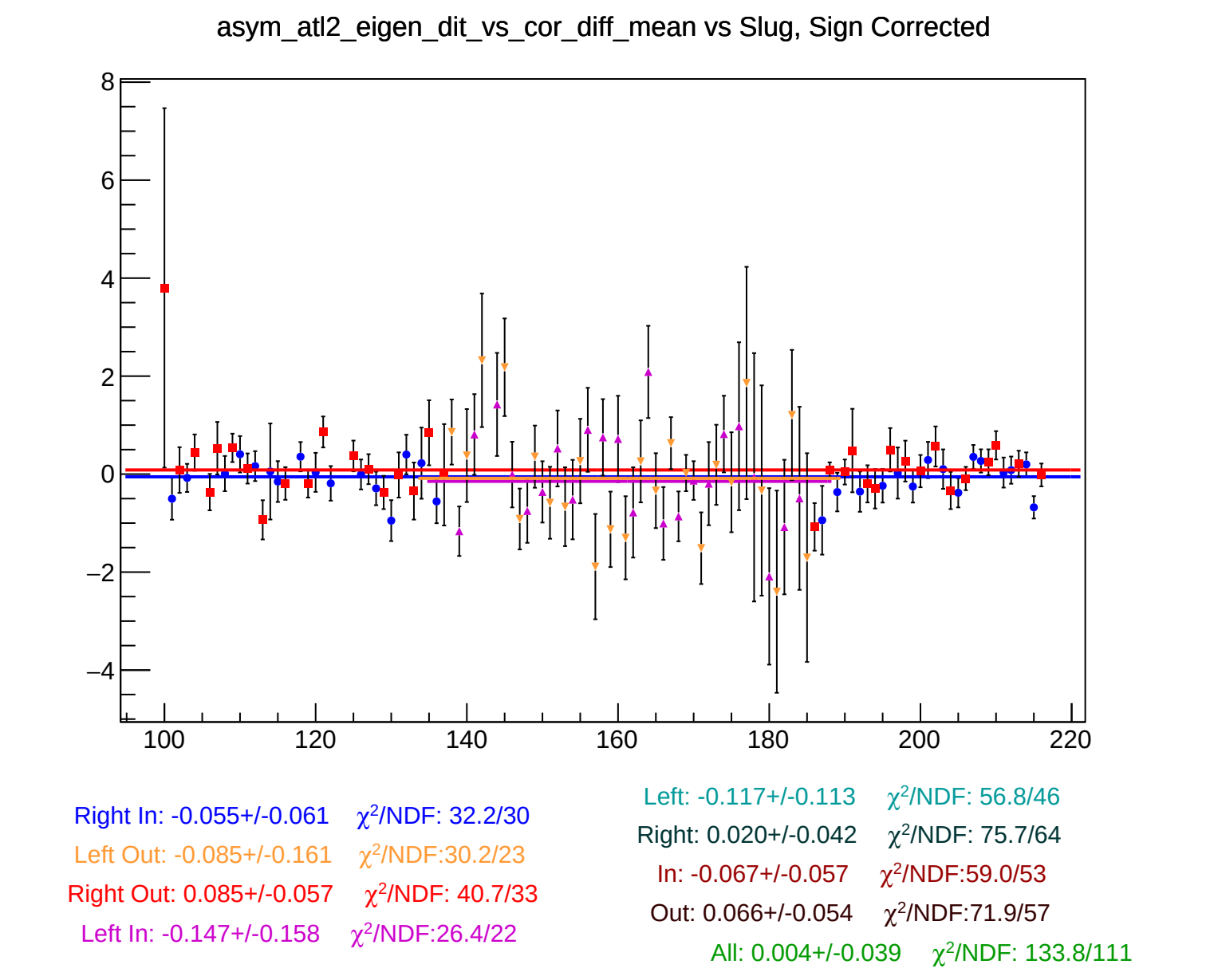
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 28867674.3/64

In: 0.011+/-0.000 χ^2/NDF:20196499.7/53

Out: 0.009+/-0.000 χ^2/NDF:29754304.7/57

All: 0.010+/-0.000 χ^2/NDF: 51533204.0/111


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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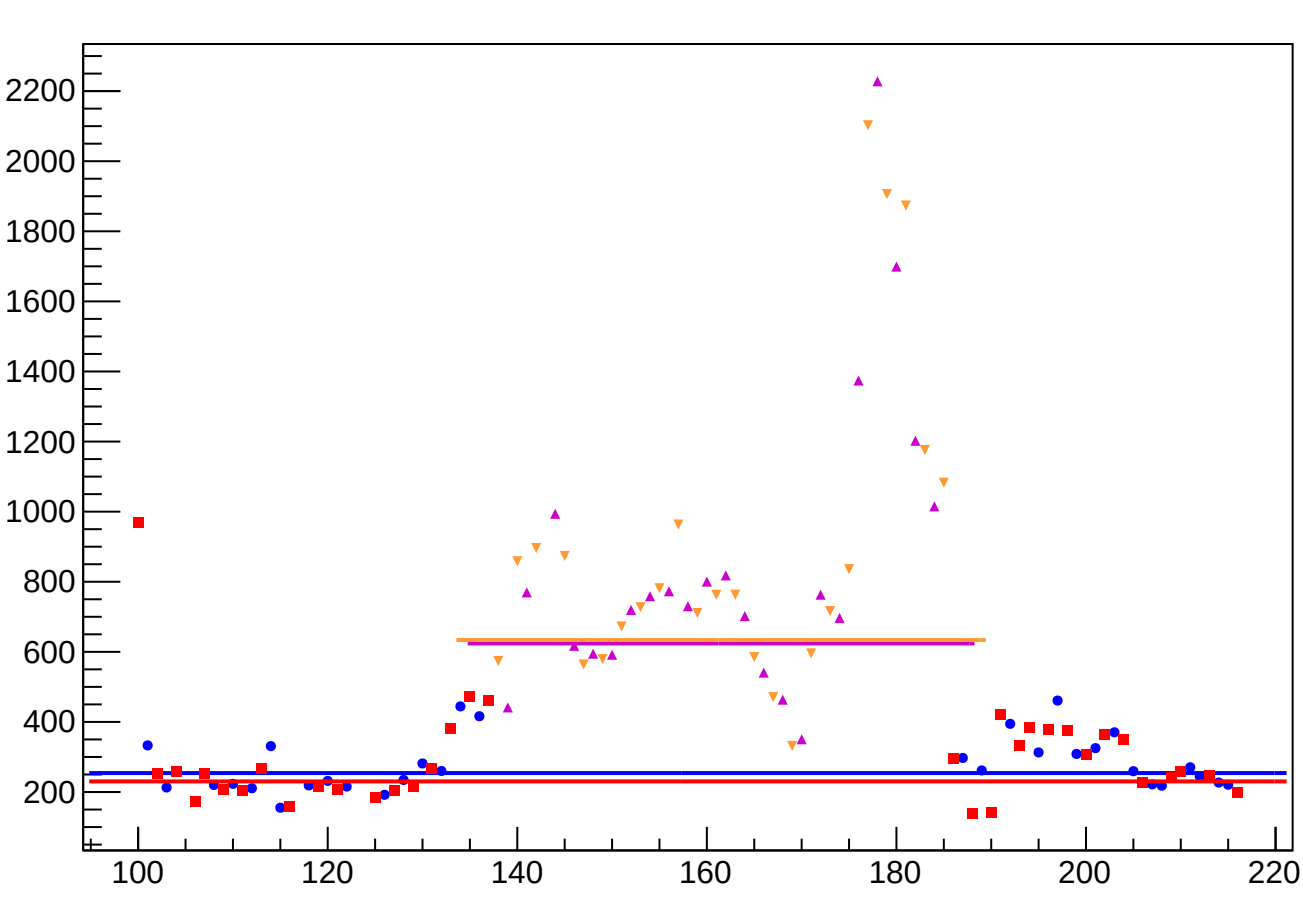
Right In: -0.055+/-0.061 χ²/NDF: 32.2/30
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.085+/-0.057 χ²/NDF: 40.7/33
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.020+/-0.042 χ²/NDF: 75.7/64
In: -0.067+/-0.057 χ²/NDF:59.0/53
Out: 0.066+/-0.054 χ²/NDF:71.9/57
All: 0.004+/-0.039 χ²/NDF: 133.8/111



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: 230.269+/-0.040 χ^2/NDF: 3476451.7/33

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

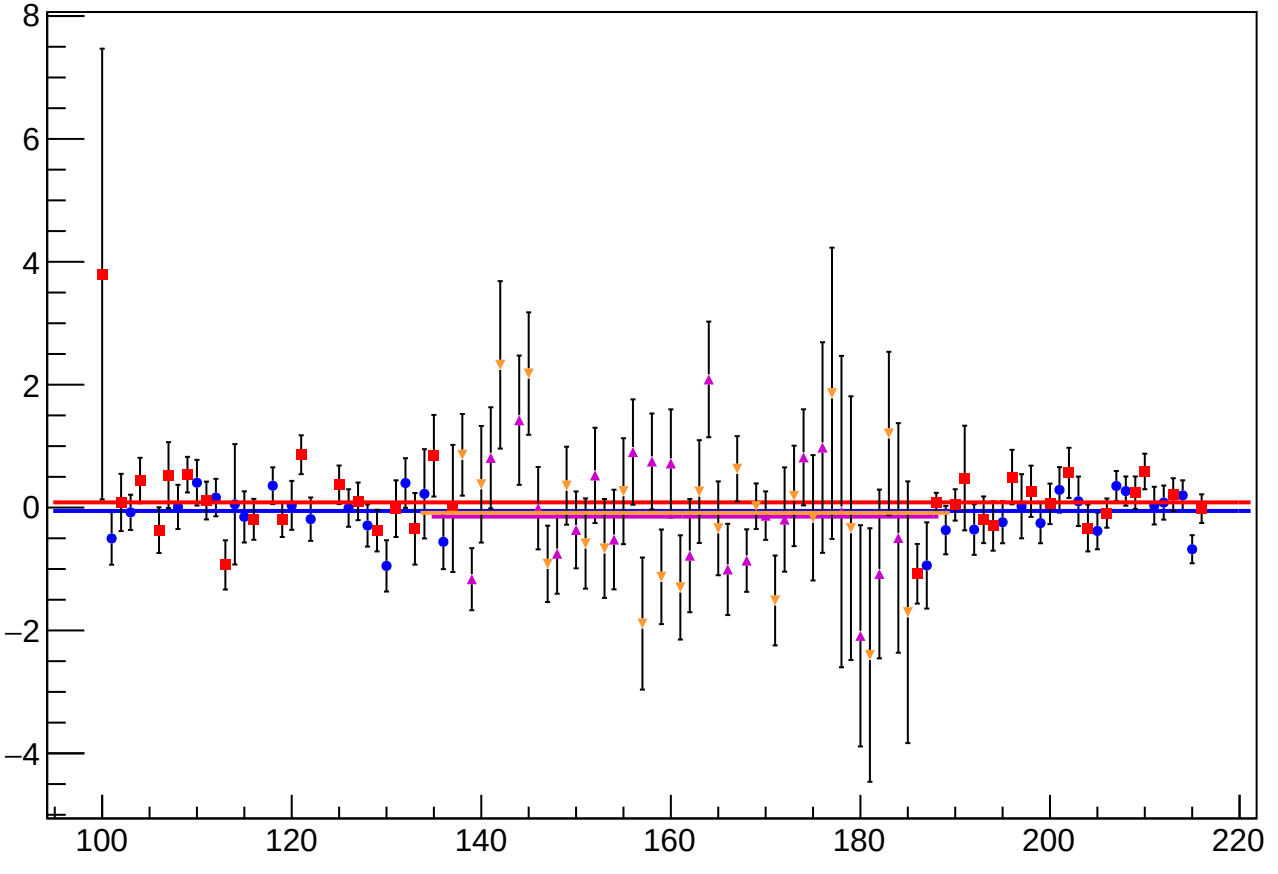
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 241.320+/-0.029 χ^2/NDF: 5572540.5/64

In: 302.011+/-0.040 χ^2/NDF:15986493.7/53

Out: 274.686+/-0.038 χ^2/NDF:19584805.7/57

All: 287.513+/-0.028 χ^2/NDF: 35815595.4/11



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: 0.085+/-0.057 χ^2/NDF: 40.7/33

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

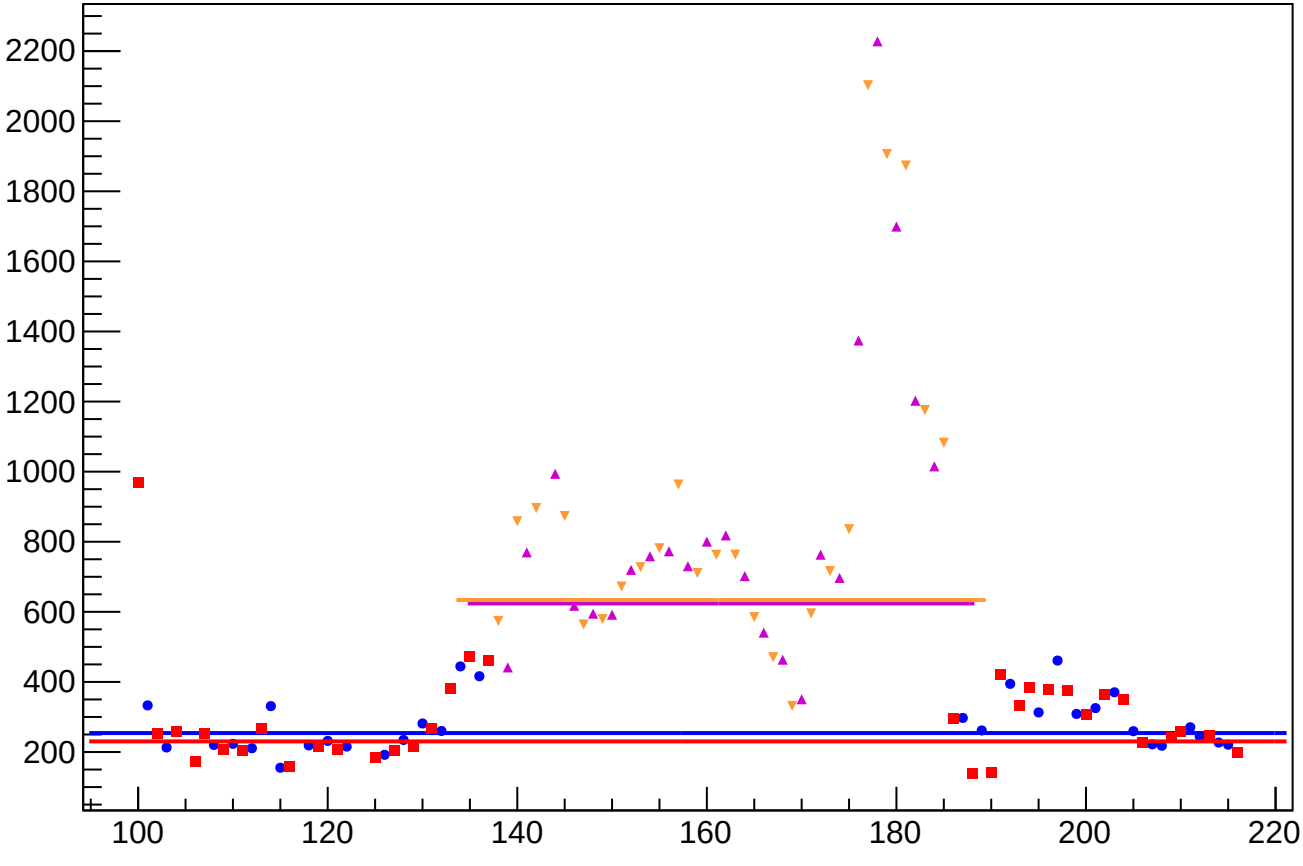
Right: 0.020+/-0.042 χ^2/NDF: 75.7/64

In: -0.067+/-0.057 χ^2/NDF:59.0/53

Out: 0.066+/-0.054 χ^2/NDF:71.9/57

All: 0.004+/-0.039 χ^2/NDF: 133.8/111

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: 230.269+/-0.040 χ^2/NDF: 3476451.7/33

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

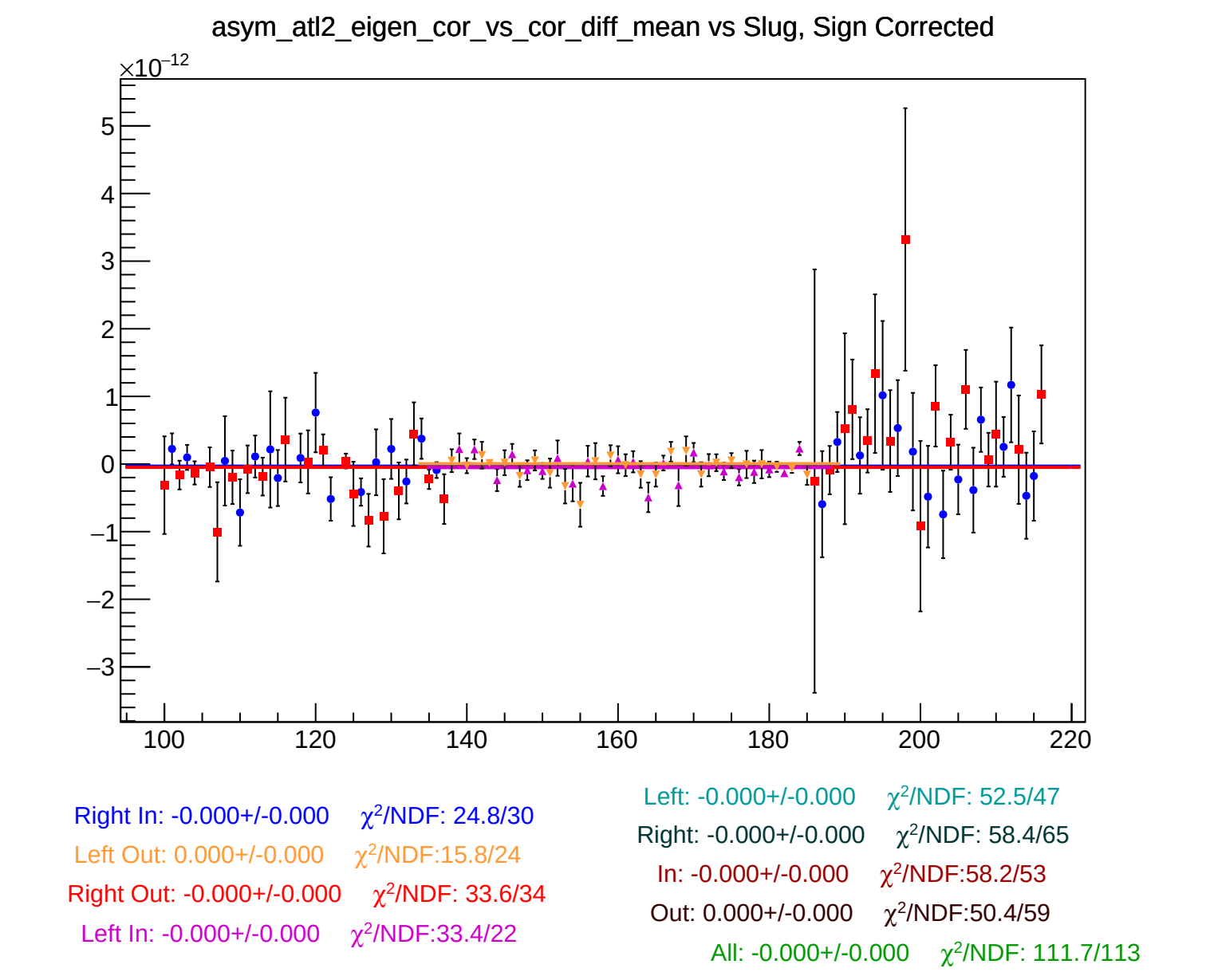
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 241.320+/-0.029 χ^2/NDF: 5572540.5/64

In: 302.011+/-0.040 χ^2/NDF:15986493.7/53

Out: 274.686+/-0.038 χ^2/NDF:19584805.7/57

All: 287.513+/-0.028 χ^2/NDF: 35815595.4/11


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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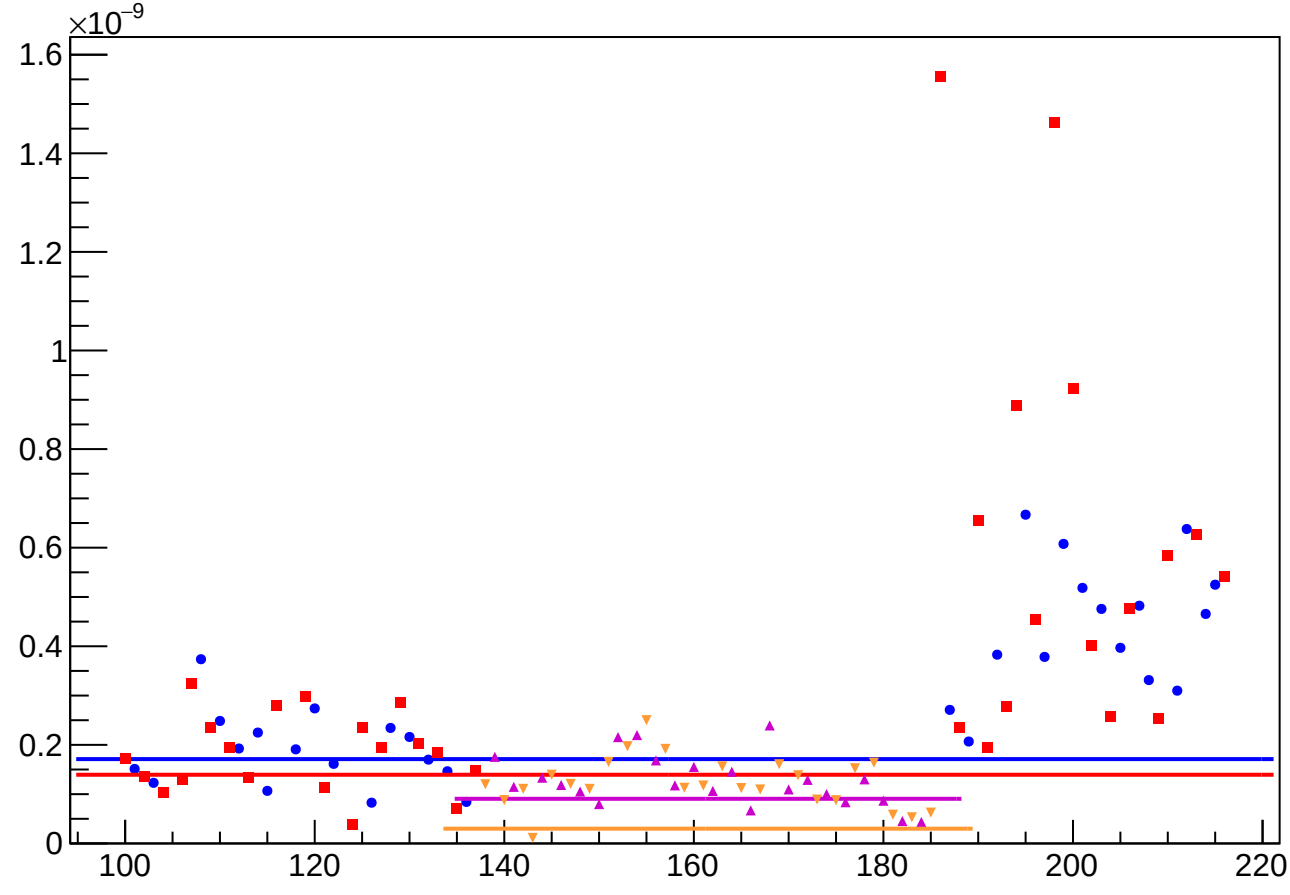
Right In: -0.000+/-0.000 χ²/NDF: 24.8/30
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.6/34
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 58.4/65
In: -0.000+/-0.000 χ²/NDF:58.2/53
Out: 0.000+/-0.000 χ²/NDF:50.4/59
All: -0.000+/-0.000 χ²/NDF: 111.7/113



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: 10525210.0/34

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

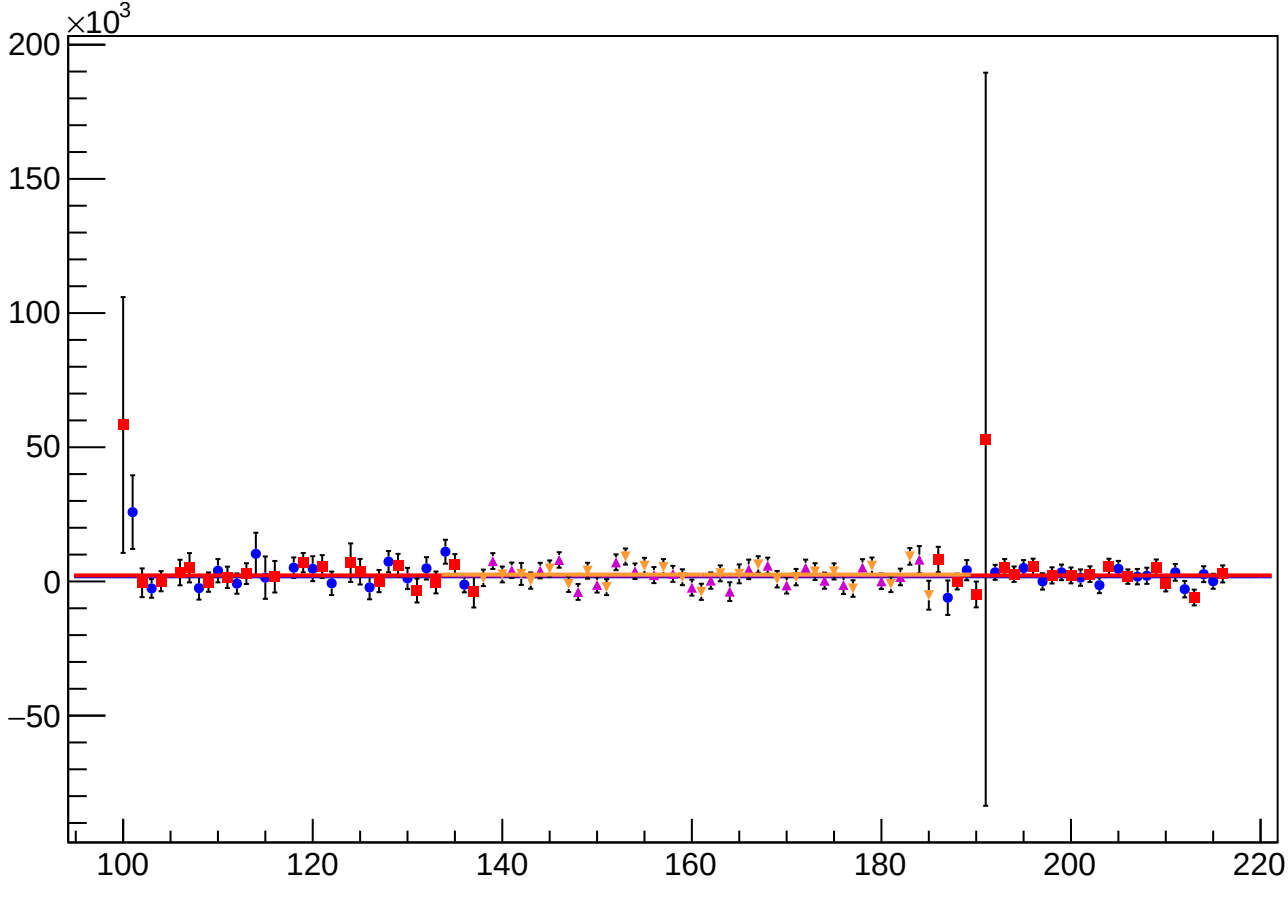
Right: 0.000+/-0.000 χ^2/NDF: 18073966.3/65

In: 0.000+/-0.000 χ^2/NDF:14772732.8/53

Out: 0.000+/-0.000 χ^2/NDF:35200670.4/59

All: 0.000+/-0.000 χ^2/NDF: 61168669.3/113

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: 2245.111+/-633.764 χ^2/NDF: 28.3/34

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

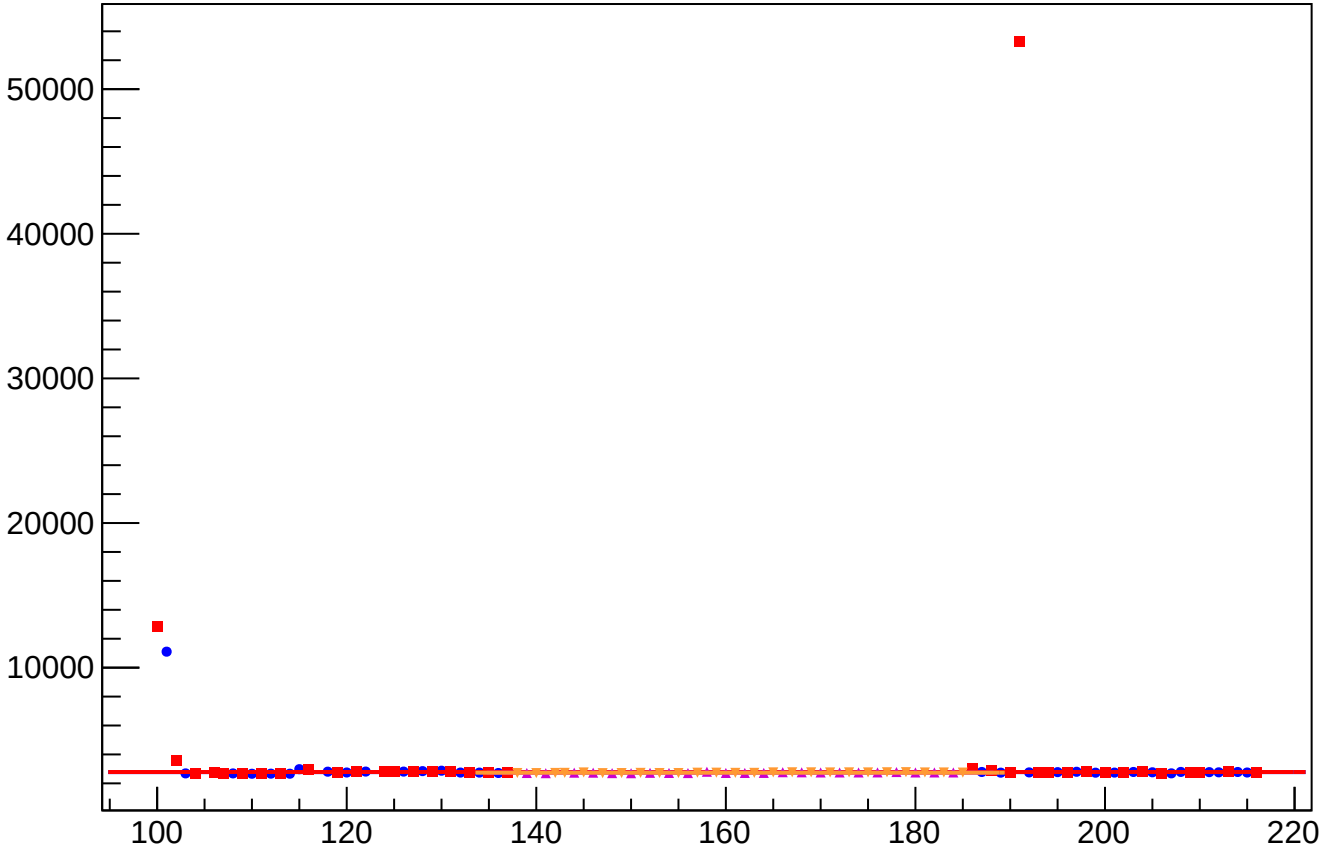
Right: 2078.129+/-449.771 χ^2/NDF: 55.5/65

In: 2157.990+/-451.887 χ^2/NDF:58.7/53

Out: 2403.932+/-443.859 χ^2/NDF:60.0/59

All: 2283.165+/-316.656 χ^2/NDF: 118.9/113

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: 2784.364+/-0.448 χ^2/NDF: 481905.6/34

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

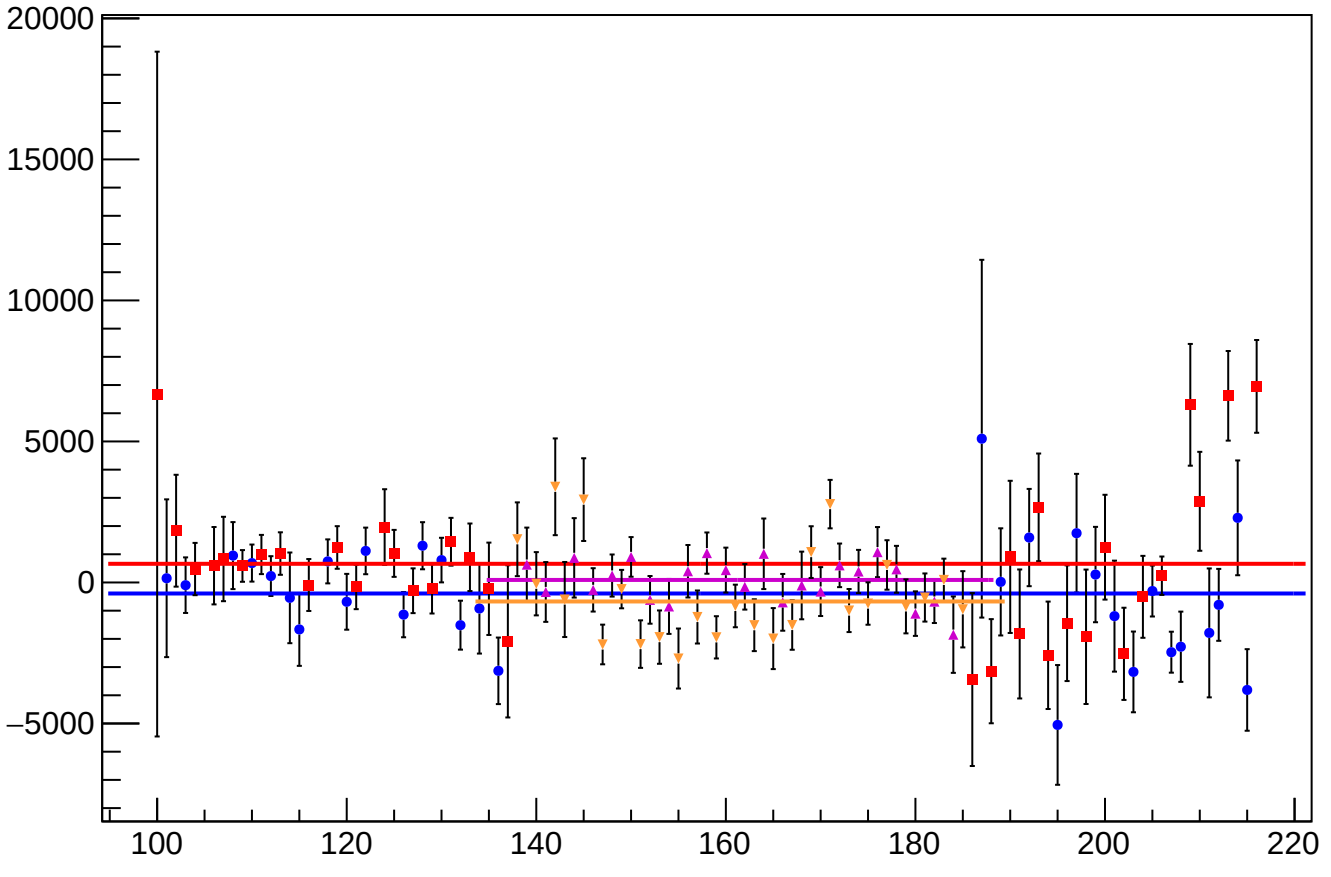
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2780.977+/-0.318 χ^2/NDF: 1232749.3/65

In: 2758.740+/-0.320 χ^2/NDF:757566.3/53

Out: 2760.496+/-0.314 χ^2/NDF:489790.6/59

All: 2759.634+/-0.224 χ^2/NDF: 1247372.2/11



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: 661.691+/-189.869 χ^2/NDF: 64.8/34

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

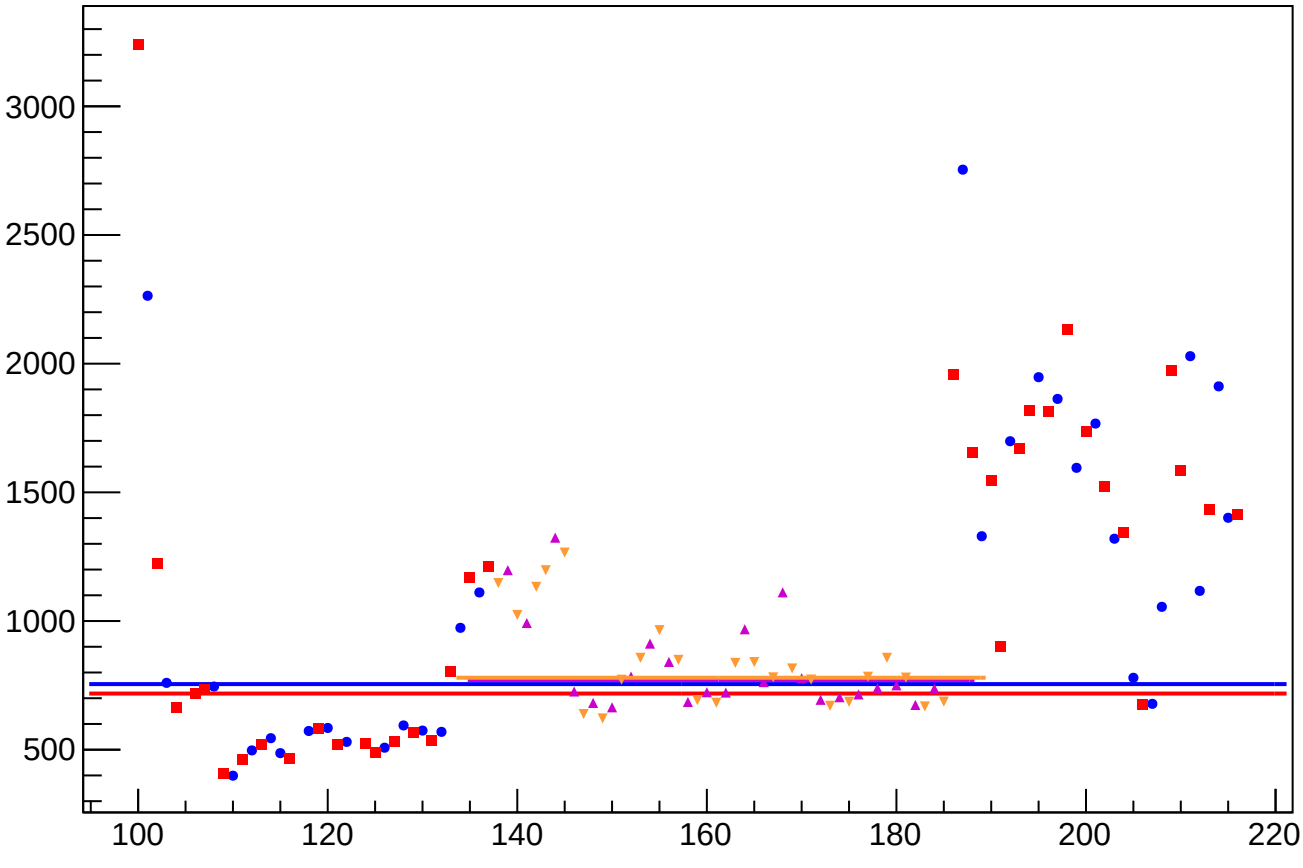
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 154.221+/-136.644 χ^2/NDF: 135.9/65

In: -133.942+/-134.209 χ^2/NDF:74.2/53

Out: -37.069+/-131.097 χ^2/NDF:149.1/59

All: -84.370+/-93.780 χ^2/NDF: 223.5/113



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: 718.172+/-0.134 χ^2/NDF: 9141266.2/34

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

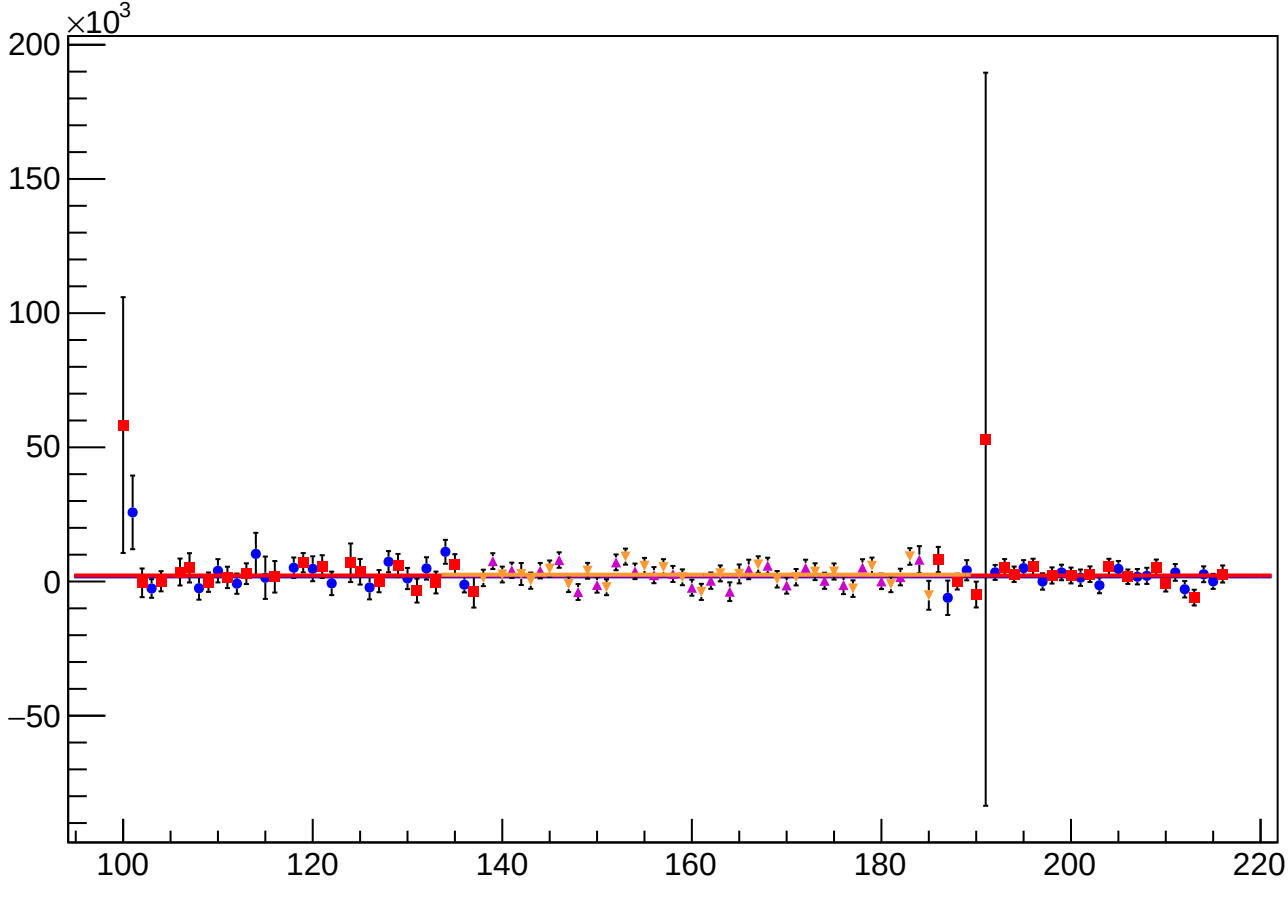
Right: 735.883+/-0.097 χ^2/NDF: 17201228.9/65

In: 763.409+/-0.095 χ^2/NDF:9107187.5/53

Out: 750.375+/-0.093 χ^2/NDF:10494961.2/59

All: 756.739+/-0.066 χ^2/NDF: 19611800.7/1

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: 2247.044+/-634.310 χ^2/NDF: 28.3/34

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

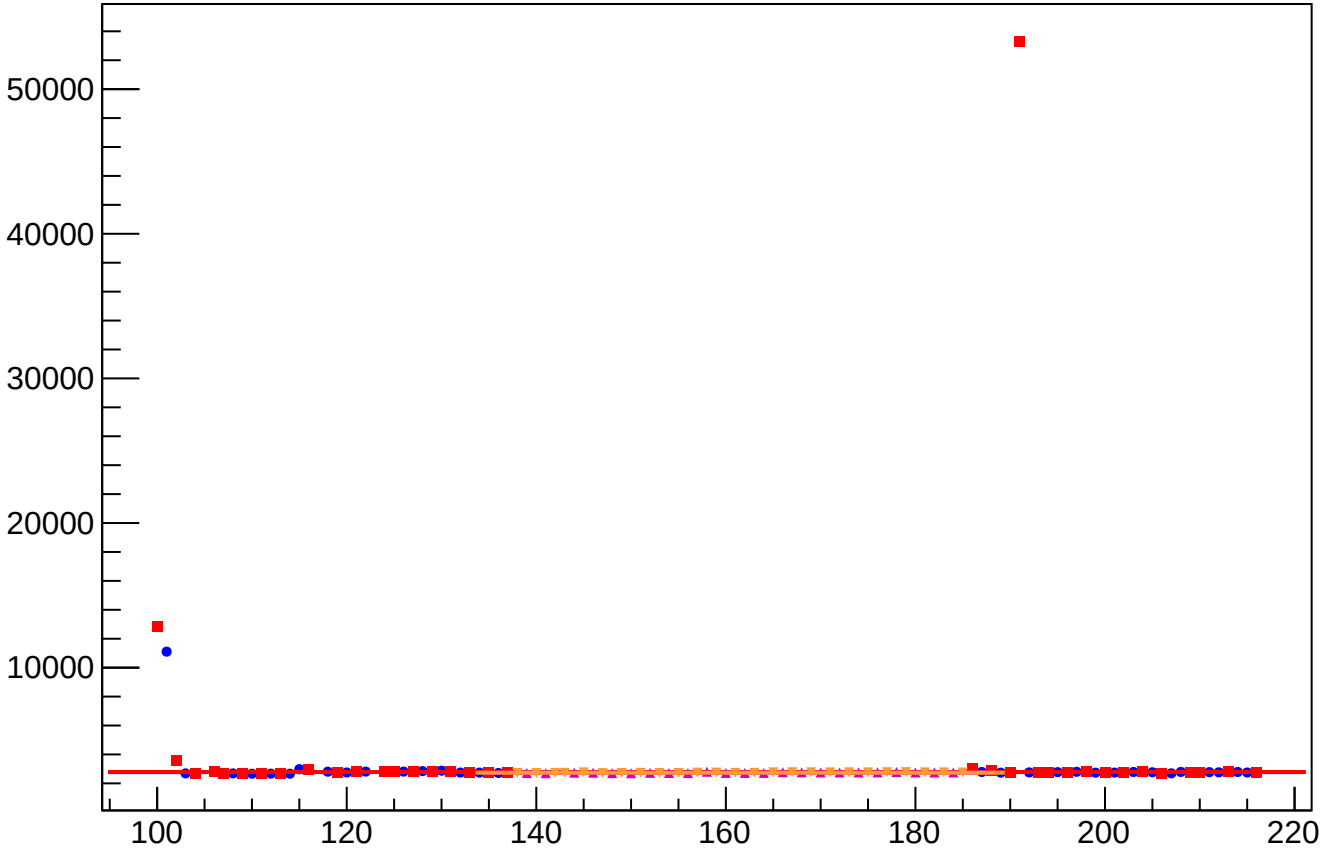
Right: 2078.802+/-449.966 χ^2/NDF: 55.5/65

In: 2157.904+/-451.887 χ^2/NDF:58.7/53

Out: 2404.993+/-444.047 χ^2/NDF:60.0/59

All: 2283.611+/-316.724 χ^2/NDF: 118.9/113

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: 2786.350+/-0.449 χ^2/NDF: 481773.0/34

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

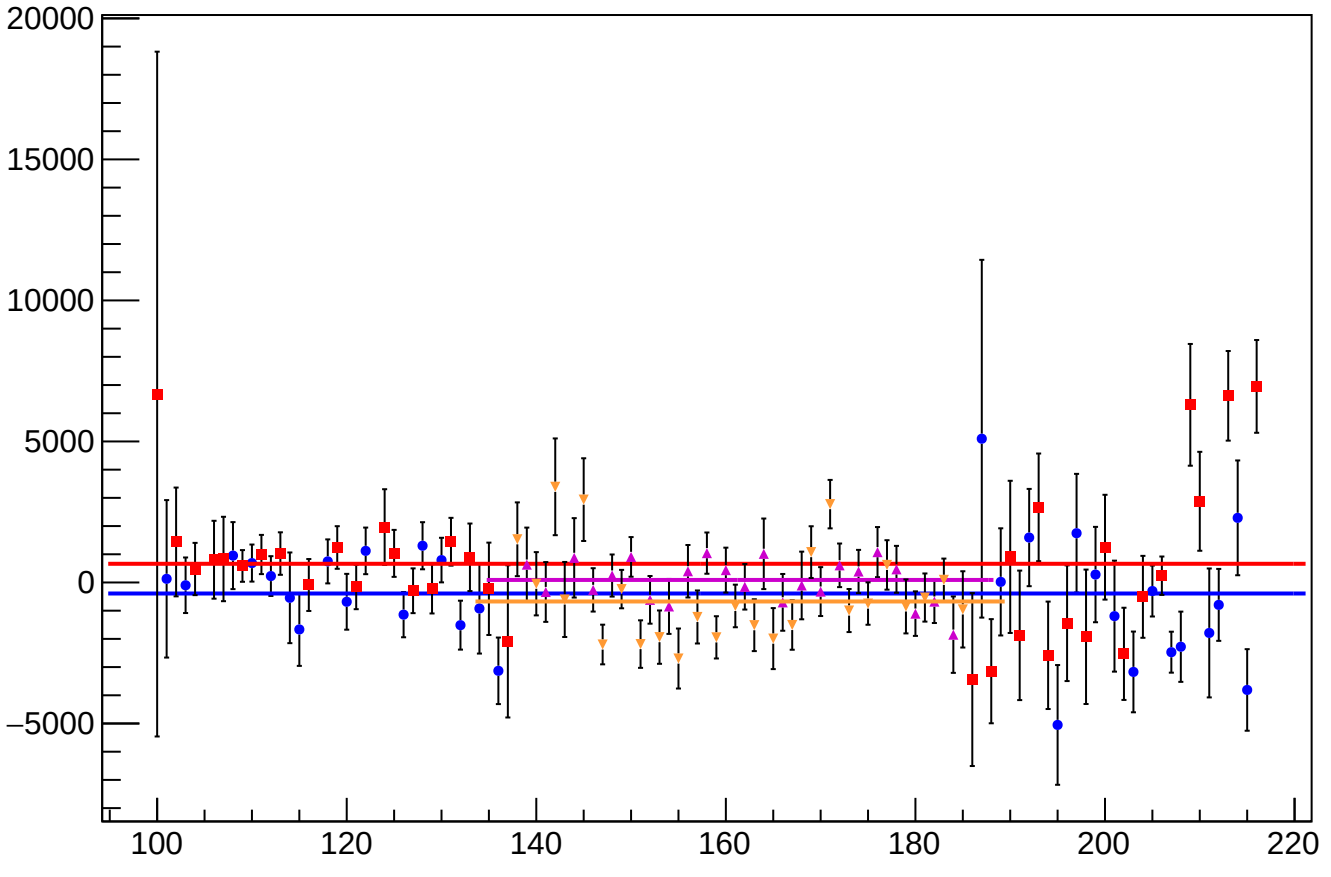
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2781.973+/-0.318 χ^2/NDF: 1232692.4/65

In: 2758.740+/-0.320 χ^2/NDF:757565.4/53

Out: 2761.449+/-0.314 χ^2/NDF:490134.7/59

All: 2760.118+/-0.224 χ^2/NDF: 1247736.6/11



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: 662.365+/-189.843 χ^2/NDF: 64.7/34

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

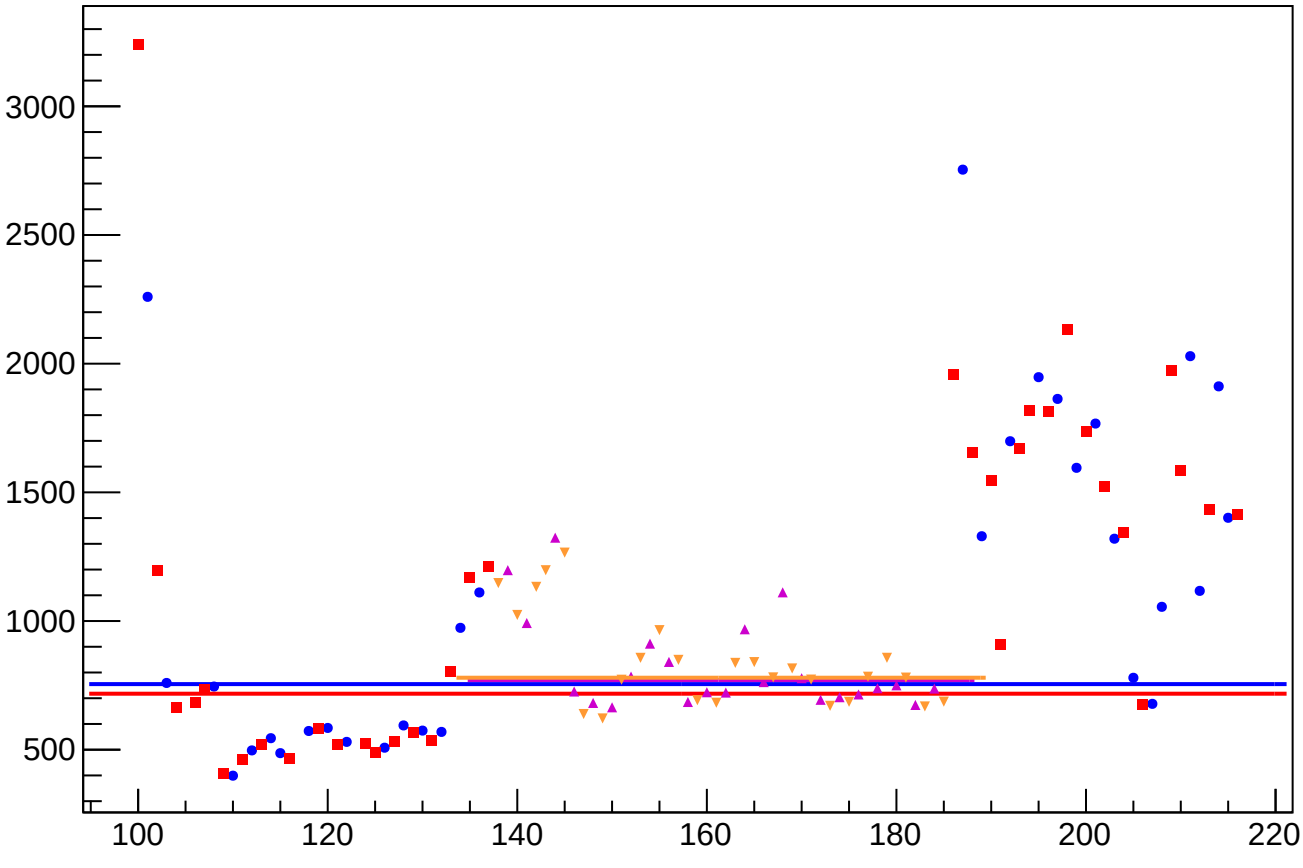
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 154.633+/-136.633 χ^2/NDF: 135.7/65

In: -133.877+/-134.207 χ^2/NDF:74.2/53

Out: -36.613+/-131.088 χ^2/NDF:149.0/59

All: -84.102+/-93.777 χ^2/NDF: 223.4/113



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: 717.580+/-0.134 χ^2/NDF: 9137966.6/34

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

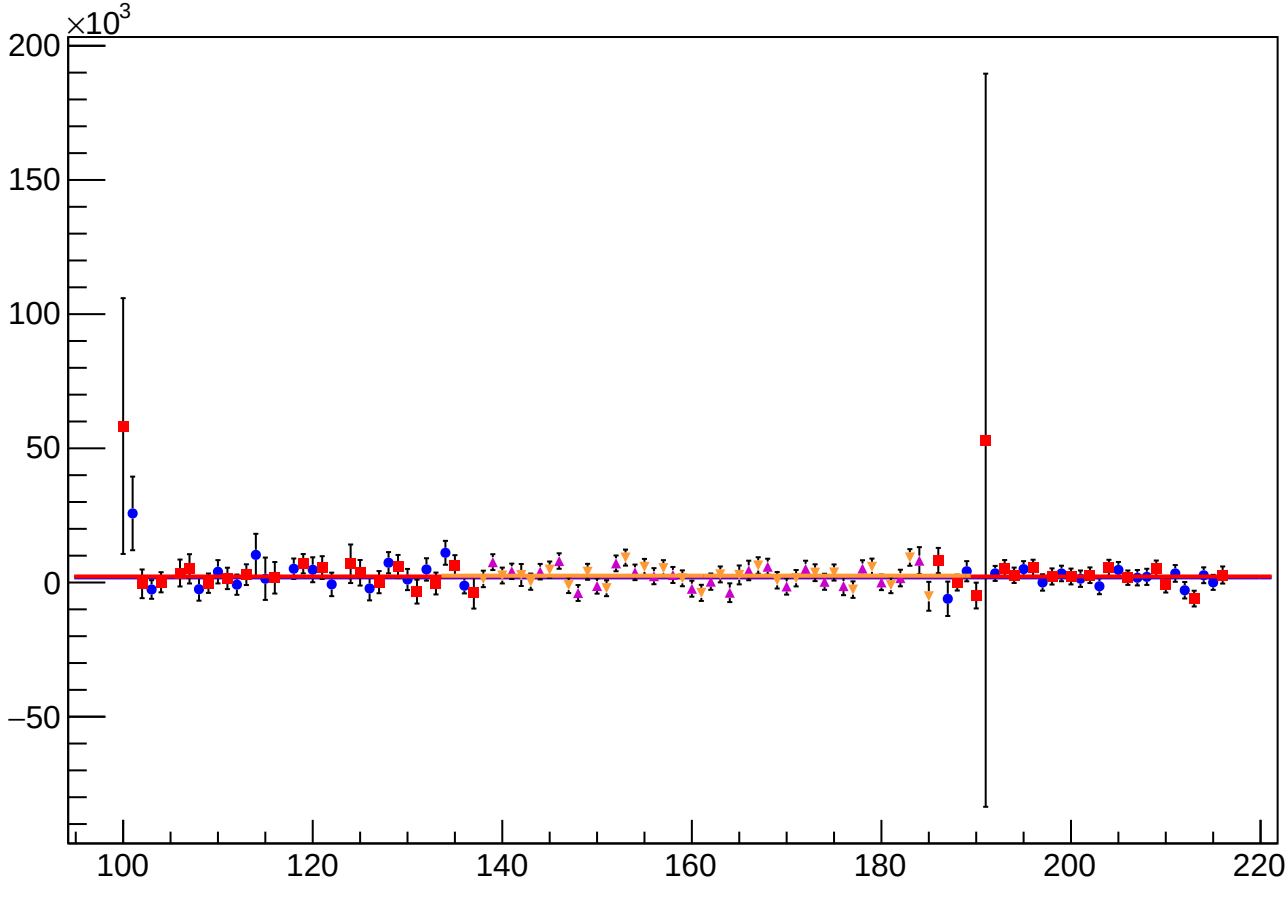
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 735.568+/-0.097 χ^2/NDF: 17198260.8/65

In: 763.404+/-0.095 χ^2/NDF:9106317.3/53

Out: 750.088+/-0.093 χ^2/NDF:10493823.3/59

All: 756.590+/-0.066 χ^2/NDF: 19610217.5/1



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: 2247.044+/-634.310 χ^2/NDF: 28.3/34

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

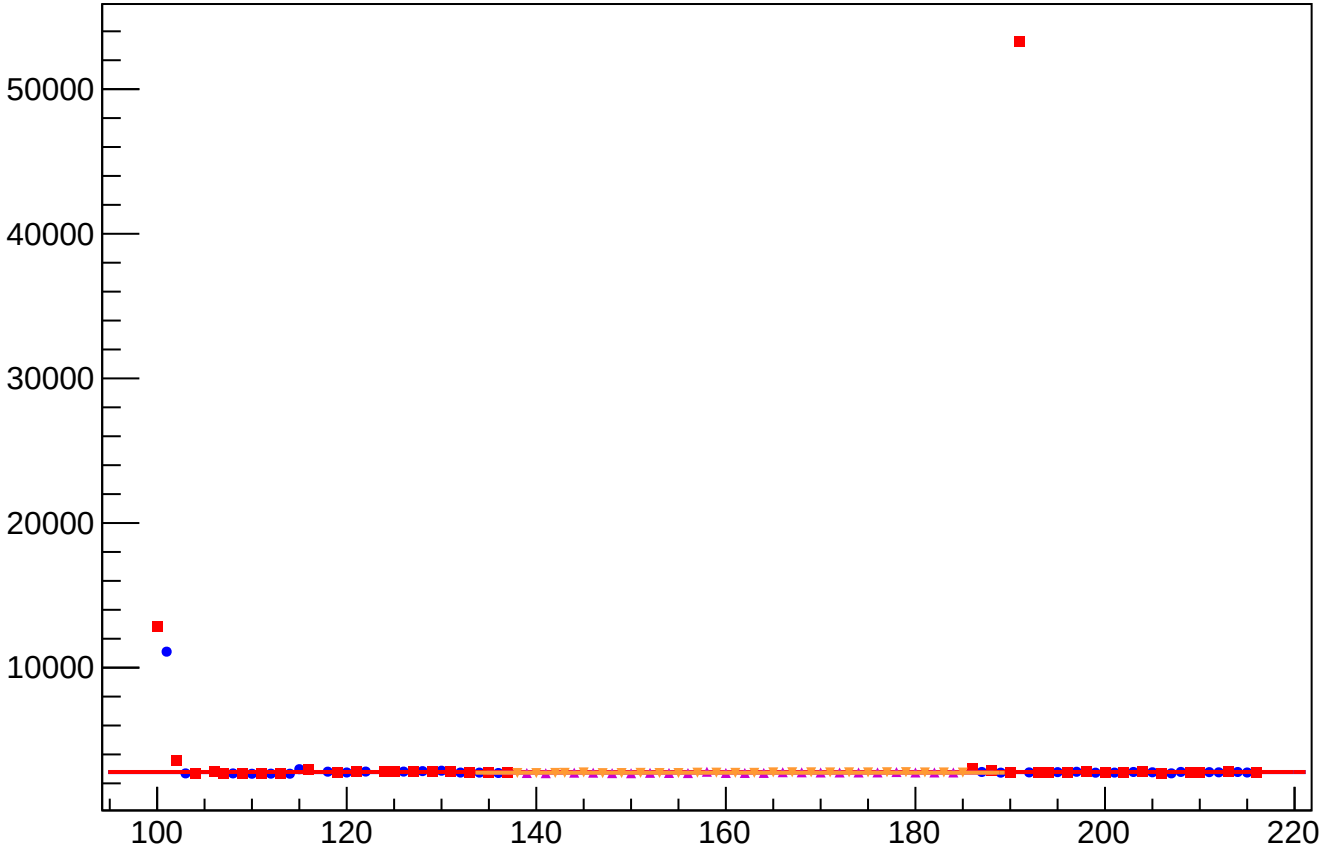
Right: 2078.802+/-449.966 χ^2/NDF: 55.5/65

In: 2157.904+/-451.887 χ^2/NDF:58.7/53

Out: 2404.993+/-444.047 χ^2/NDF:60.0/59

All: 2283.611+/-316.724 χ^2/NDF: 118.9/113

eigen_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: 2786.350+/-0.449 χ^2/NDF: 481773.0/34

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

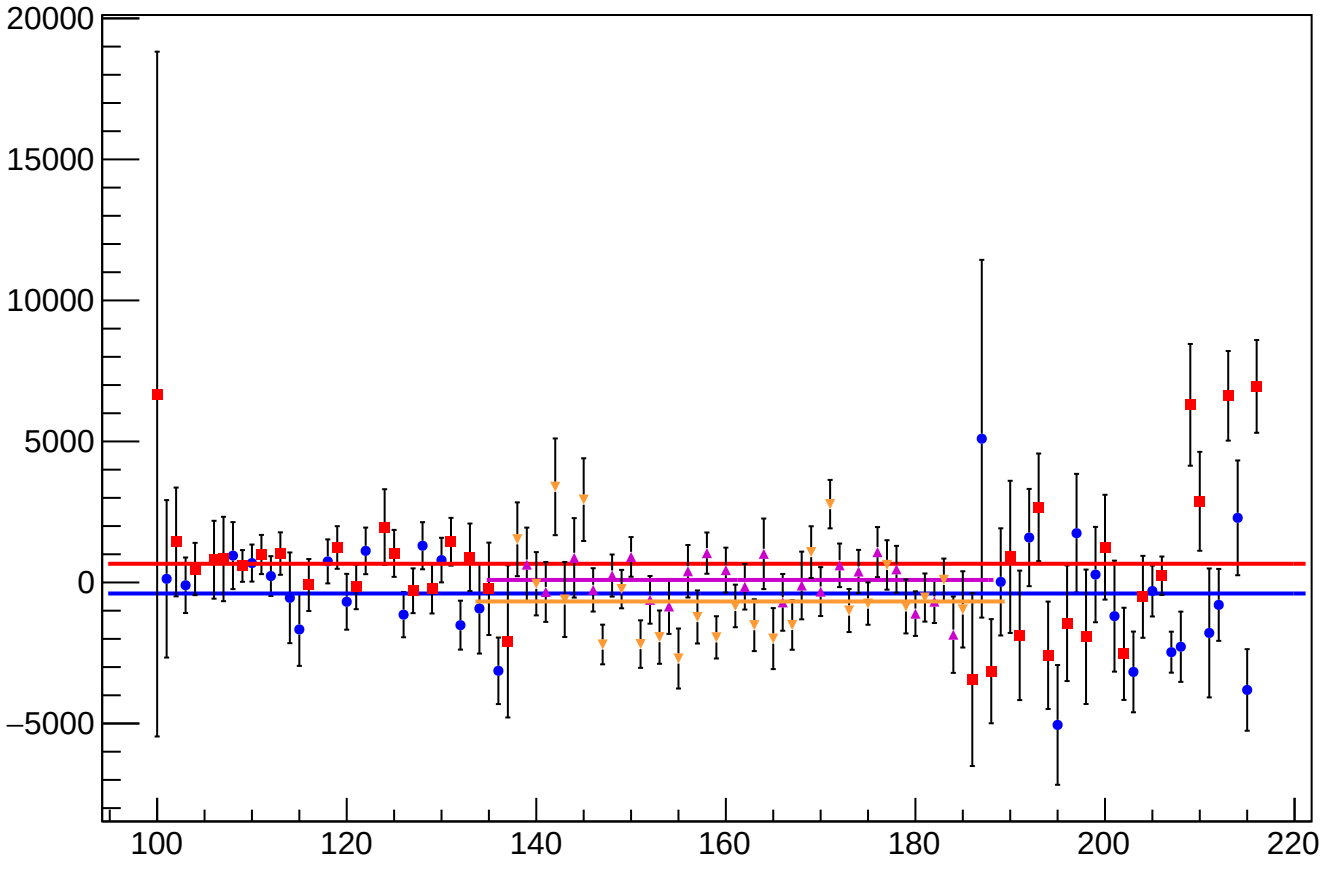
Right: 2781.973+/-0.318 χ^2/NDF: 1232692.4/65

In: 2758.740+/-0.320 χ^2/NDF:757565.4/53

Out: 2761.449+/-0.314 χ^2/NDF:490134.7/59

All: 2760.118+/-0.224 χ^2/NDF: 1247736.6/11

asym_atr1_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 662.365+/-189.843 χ^2/NDF: 64.7/34

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

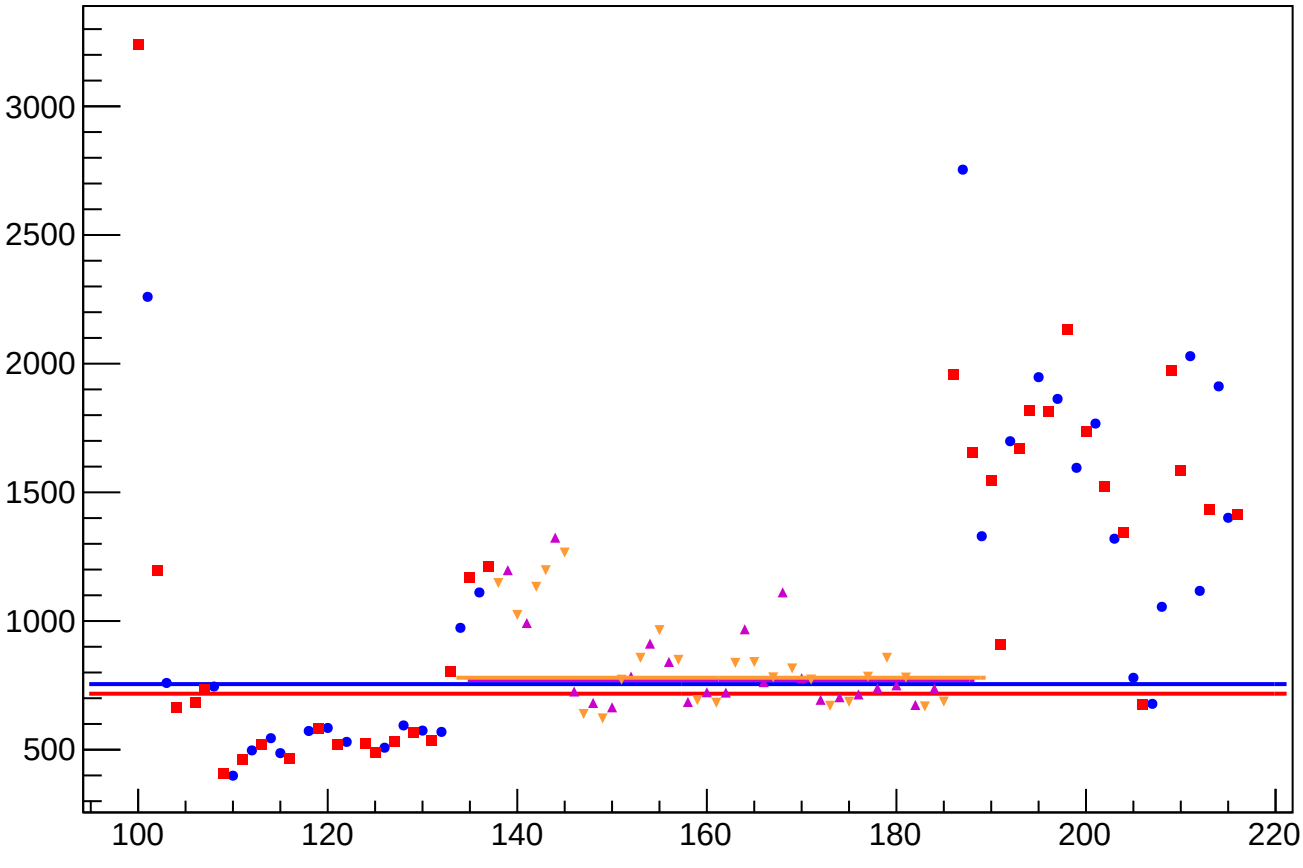
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 154.633+/-136.633 χ^2/NDF: 135.7/65

In: -133.877+/-134.207 χ^2/NDF:74.2/53

Out: -36.613+/-131.088 χ^2/NDF:149.0/59

All: -84.102+/-93.777 χ^2/NDF: 223.4/113



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: 717.580+/-0.134 χ^2/NDF: 9137966.6/34

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

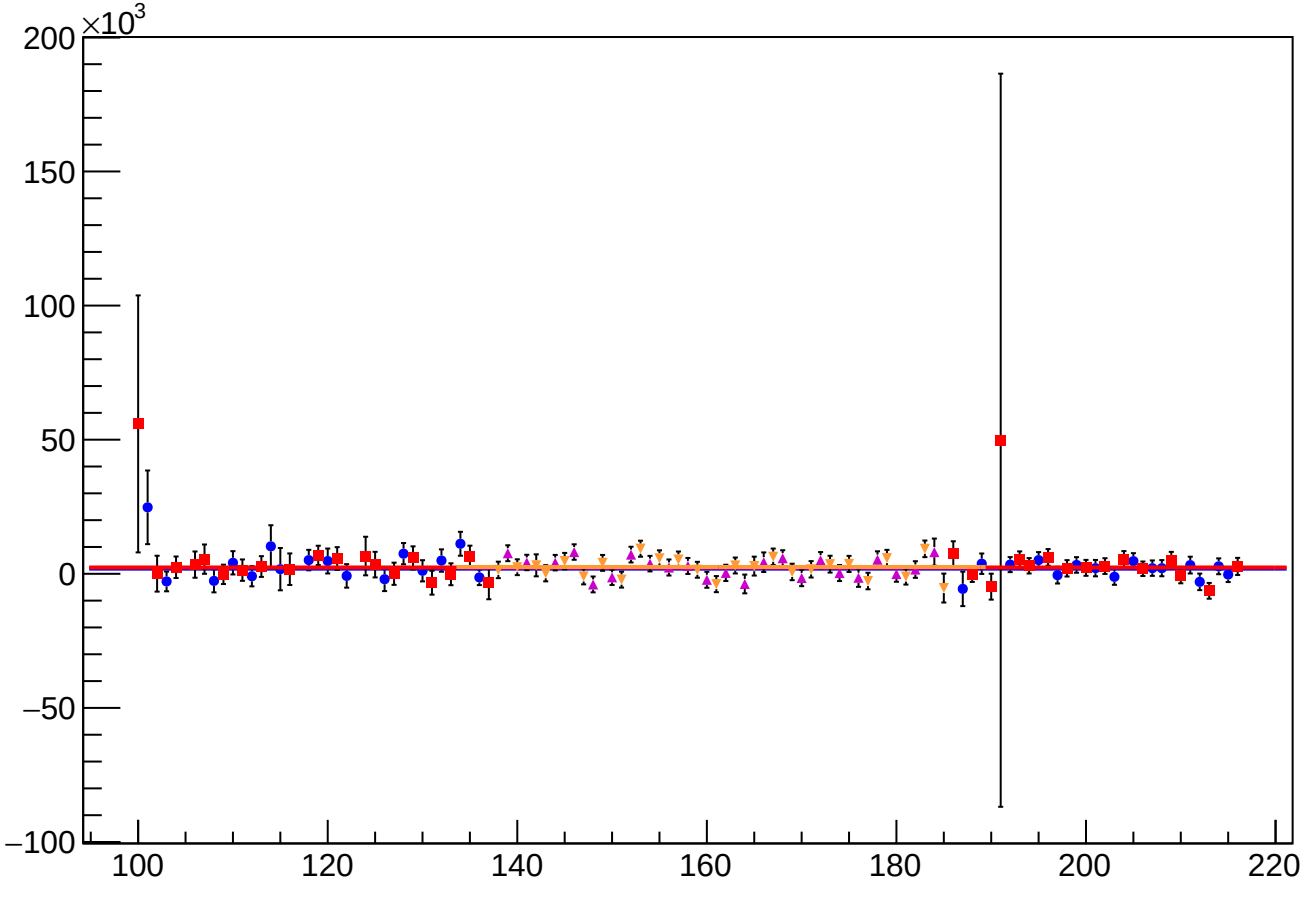
Right: 735.568+/-0.097 χ^2/NDF: 17198260.8/65

In: 763.404+/-0.095 χ^2/NDF:9106317.3/53

Out: 750.088+/-0.093 χ^2/NDF:10493823.3/59

All: 756.590+/-0.066 χ^2/NDF: 19610217.5/1

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: 2355.405+/-639.012 χ^2/NDF: 28.1/34

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

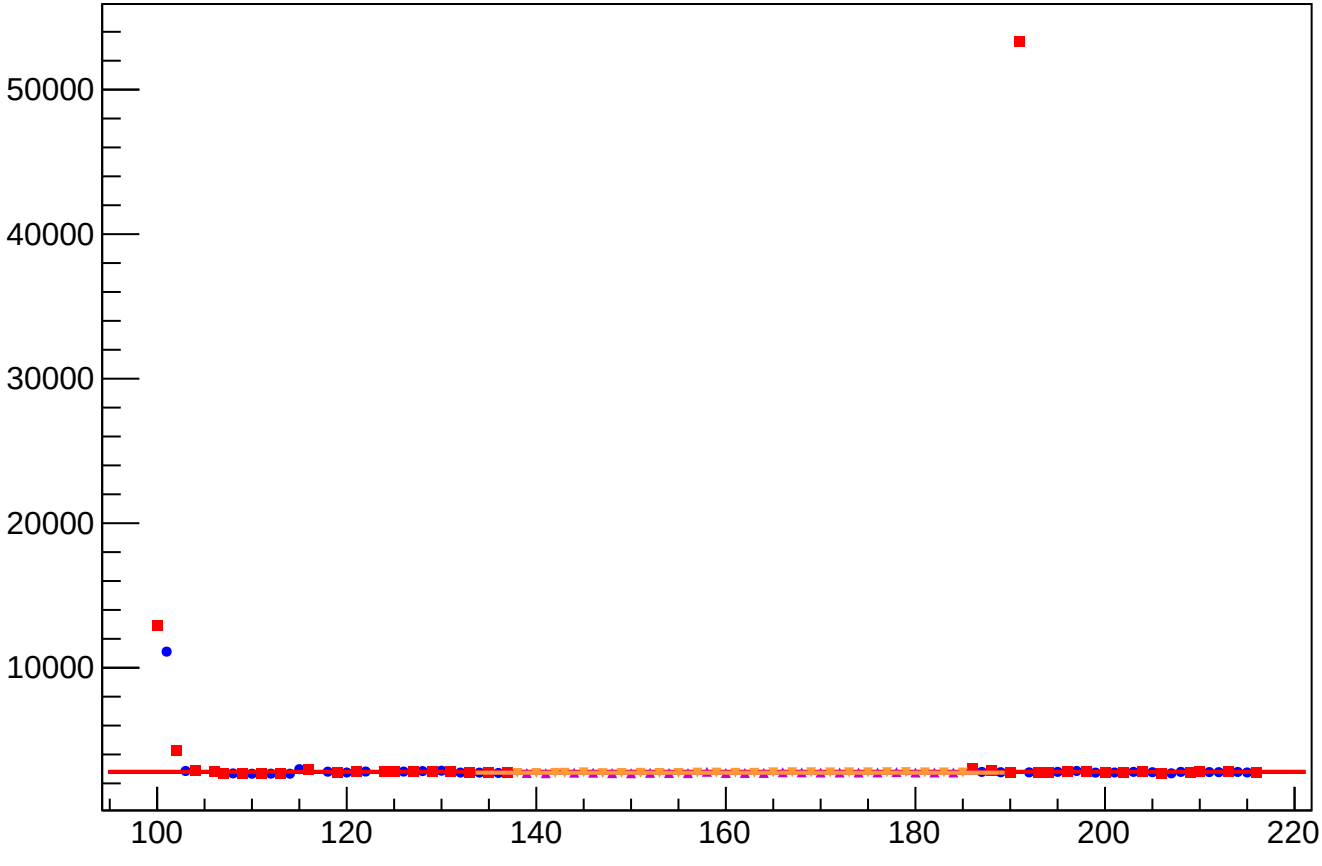
Right: 2142.988+/-452.767 χ^2/NDF: 55.4/65

In: 2168.418+/-453.148 χ^2/NDF:59.2/53

Out: 2452.746+/-445.800 χ^2/NDF:60.0/59

All: 2312.906+/-317.794 χ^2/NDF: 119.5/113

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: 2801.870+/-0.452 χ^2/NDF: 535628.5/34

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

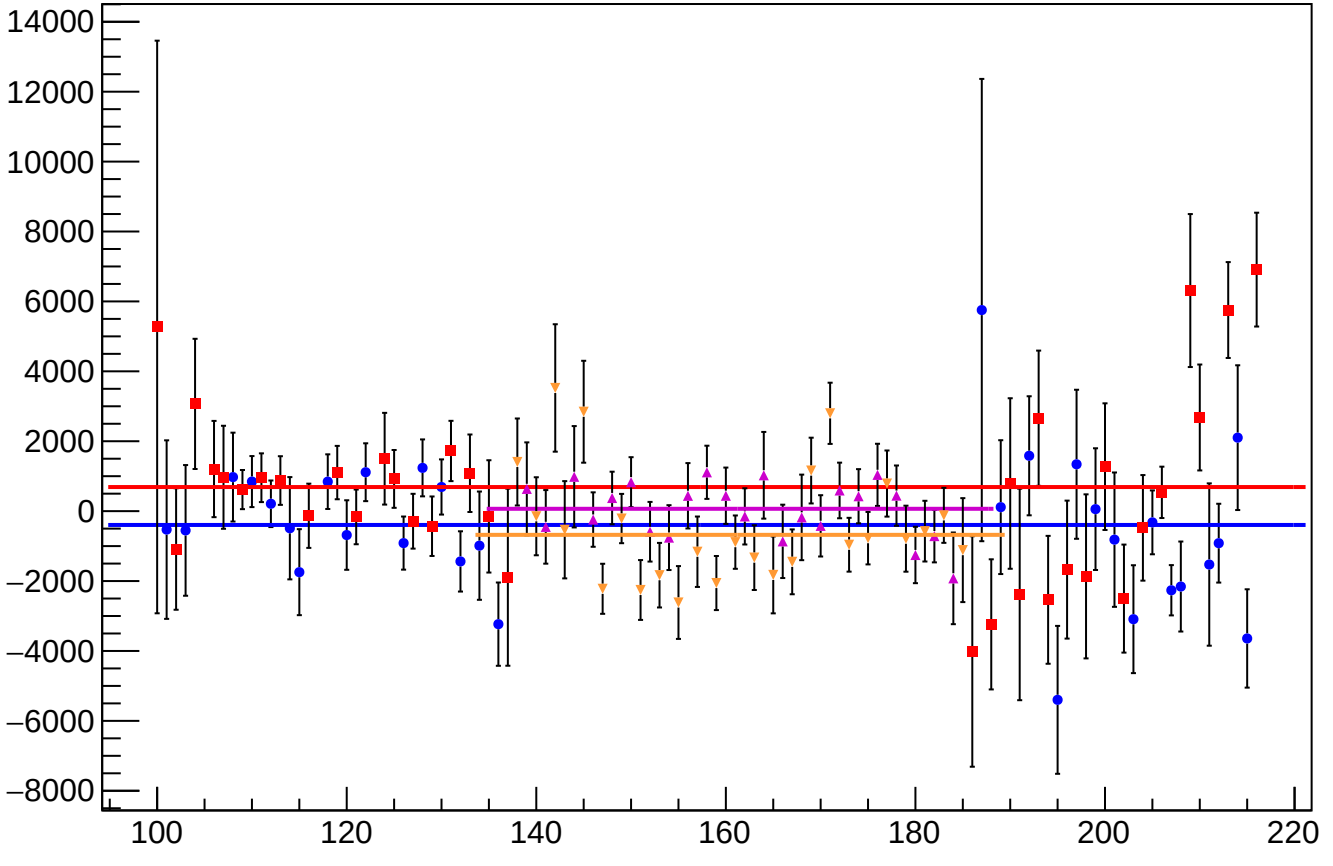
Right: 2796.632+/-0.320 χ^2/NDF: 1286433.9/65

In: 2766.311+/-0.320 χ^2/NDF:759982.8/53

Out: 2769.755+/-0.315 χ^2/NDF:547792.3/59

All: 2768.061+/-0.225 χ^2/NDF: 1307833.7/11

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: 689.377+/-190.873 χ^2/NDF: 68.1/34

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

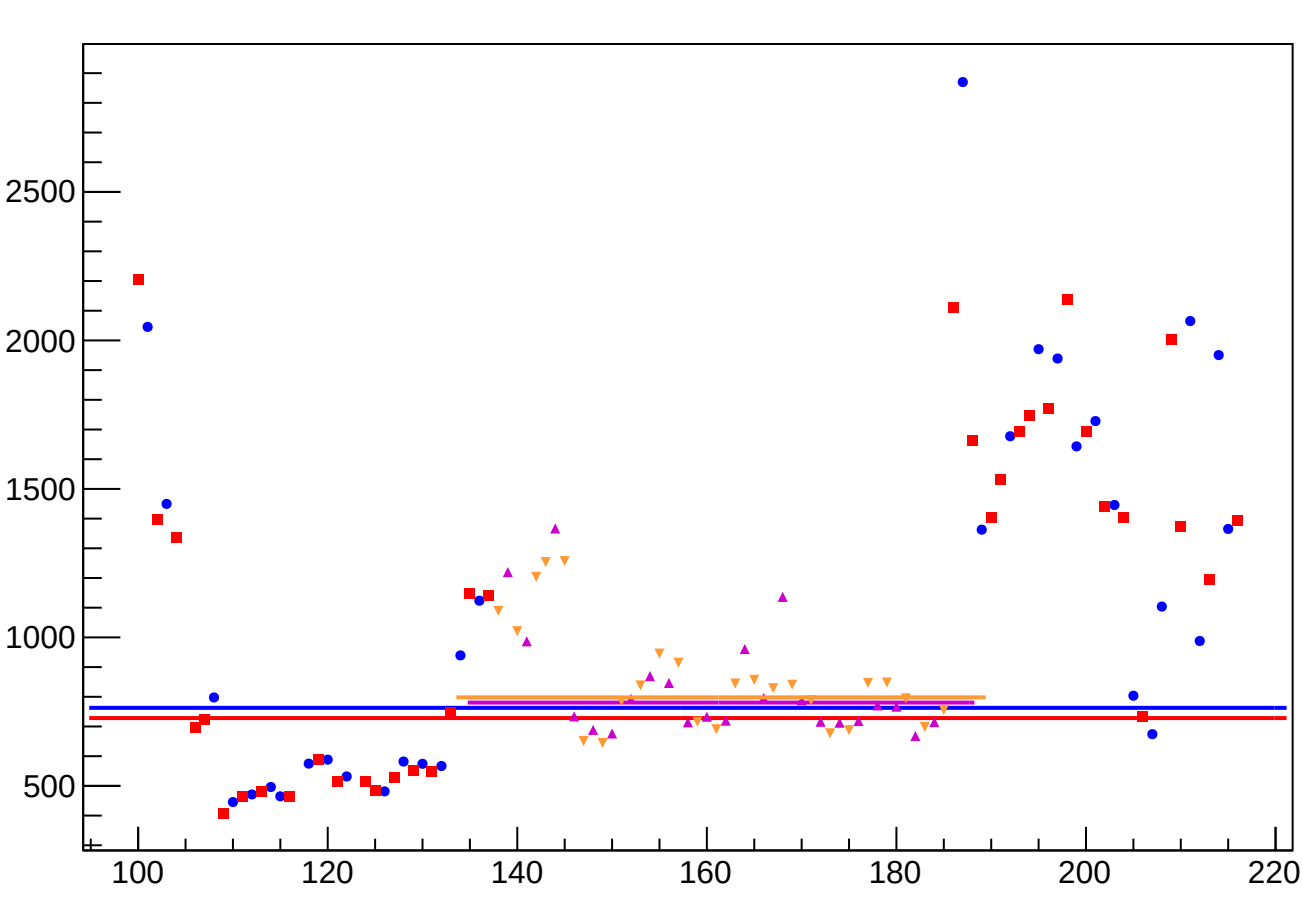
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 169.353+/-137.708 χ^2/NDF: 136.9/65

In: -147.858+/-135.623 χ^2/NDF:72.0/53

Out: -15.772+/-132.844 χ^2/NDF:150.8/59

All: -80.448+/-94.902 χ^2/NDF: 223.3/113



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: 728.345+/-0.135 χ^2/NDF: 9418263.7/34

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

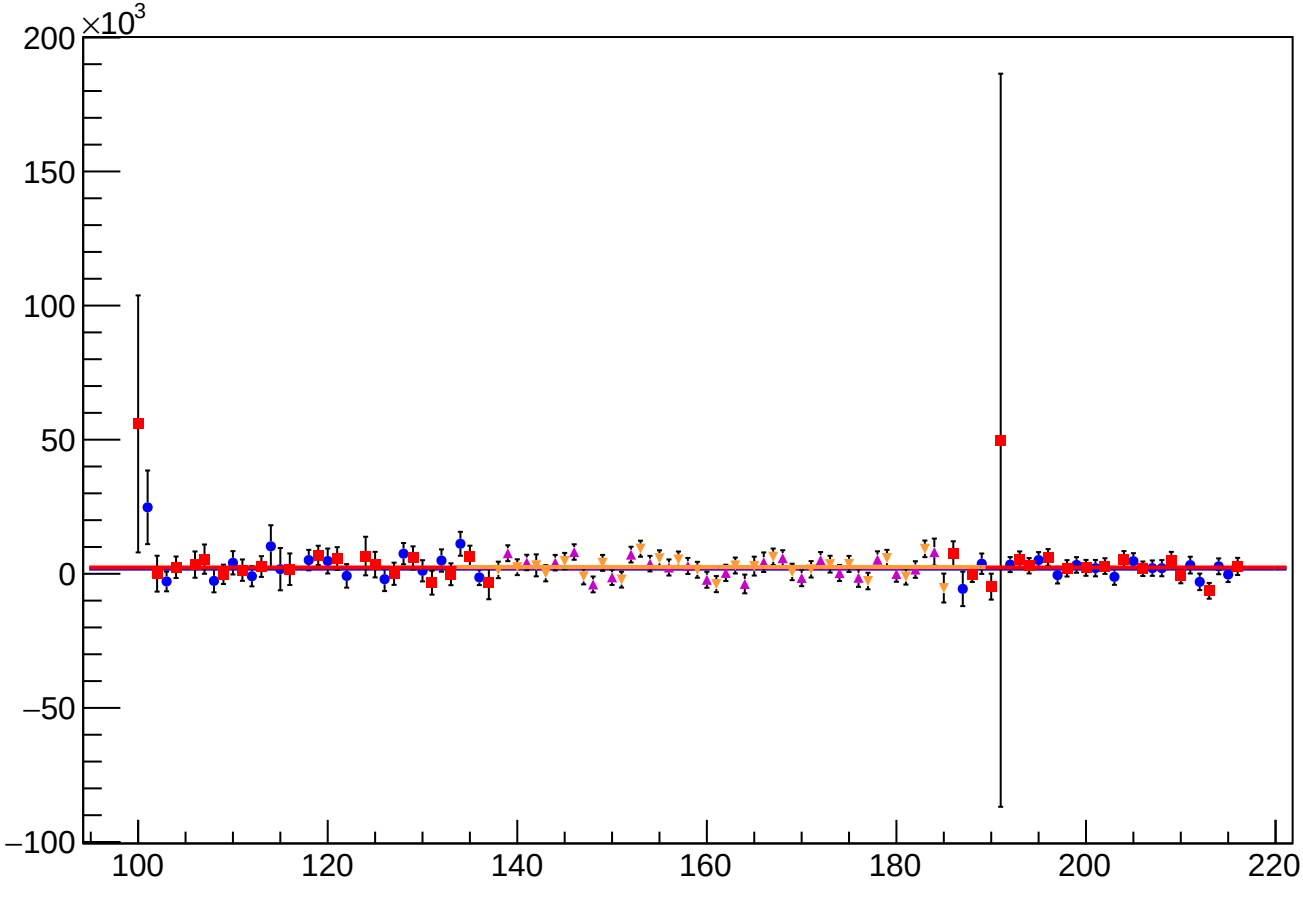
Right: 744.856+/-0.097 χ^2/NDF: 17856078.7/65

In: 772.272+/-0.096 χ^2/NDF:9479950.3/53

Out: 764.307+/-0.094 χ^2/NDF:10724306.5/59

All: 768.207+/-0.067 χ^2/NDF: 20207777.3/11

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



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: 2355.402+/-639.012 χ^2/NDF: 28.1/34

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

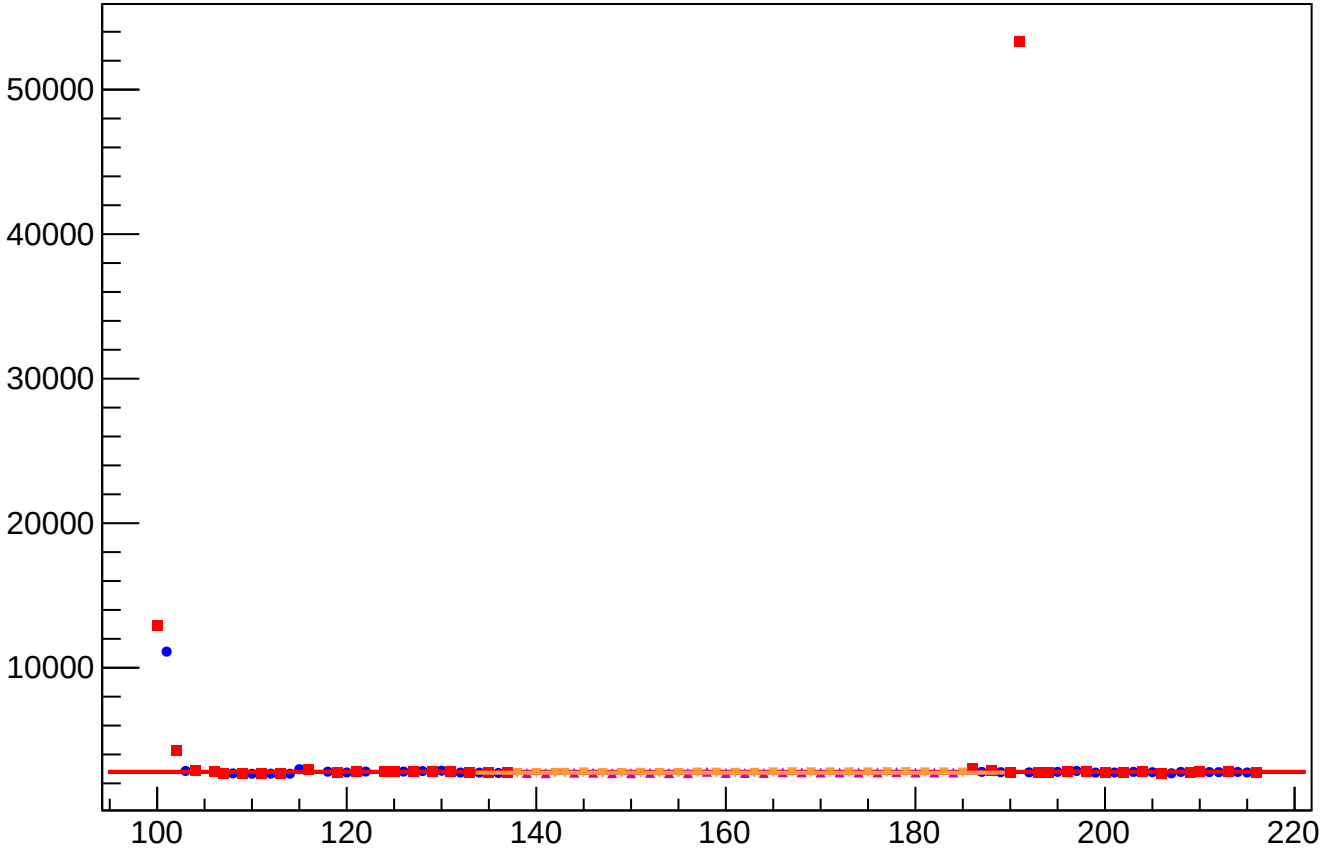
Right: 2142.987+/-452.767 χ^2/NDF: 55.4/65

In: 2168.418+/-453.148 χ^2/NDF:59.2/53

Out: 2452.745+/-445.800 χ^2/NDF:60.0/59

All: 2312.906+/-317.794 χ^2/NDF: 119.5/113

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: 2801.870+/-0.452 χ^2/NDF: 535628.3/34

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

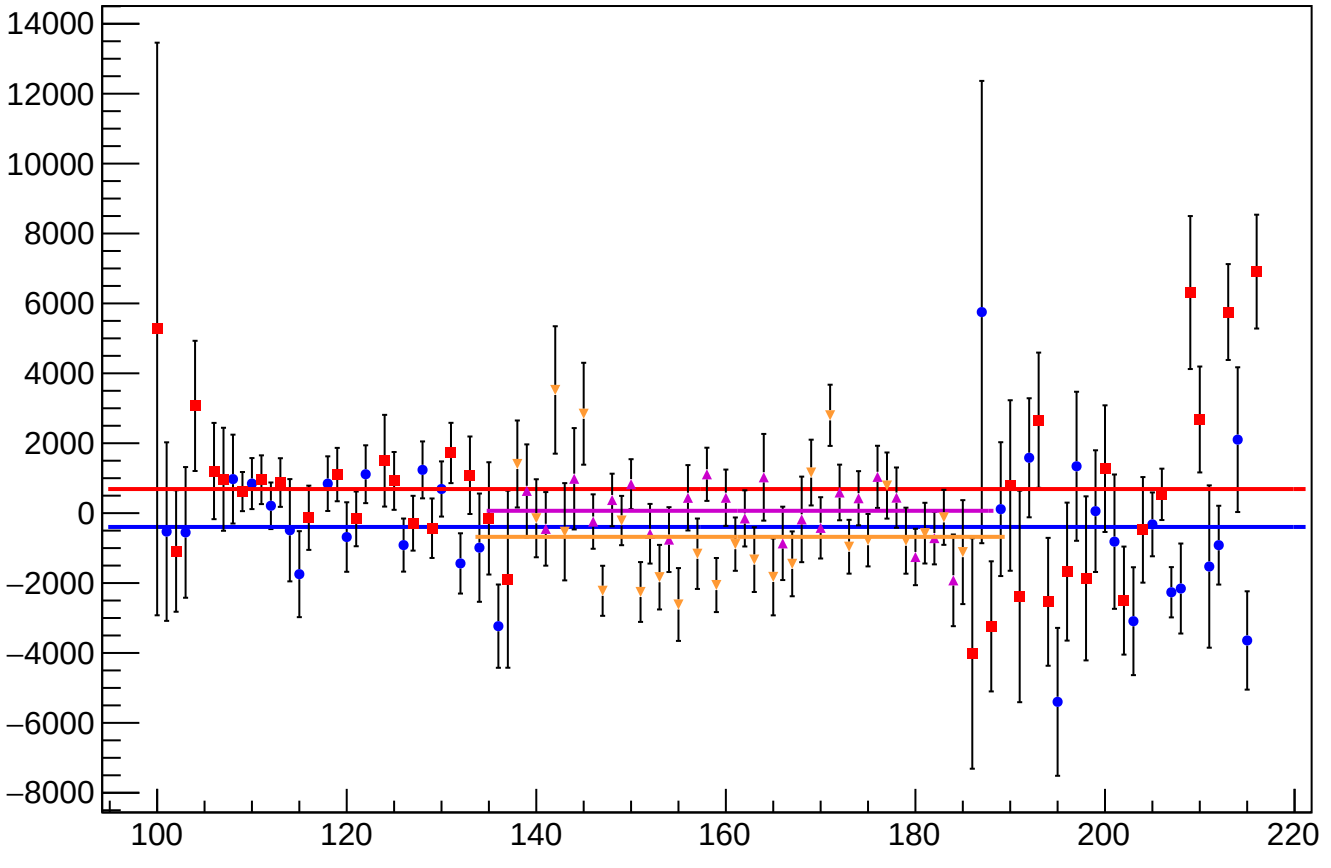
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2796.632+/-0.320 χ^2/NDF: 1286433.7/65

In: 2766.311+/-0.320 χ^2/NDF:759982.7/53

Out: 2769.755+/-0.315 χ^2/NDF:547792.0/59

All: 2768.061+/-0.225 χ^2/NDF: 1307833.5/11



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: 689.377+/-190.873 χ^2/NDF: 68.1/34

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

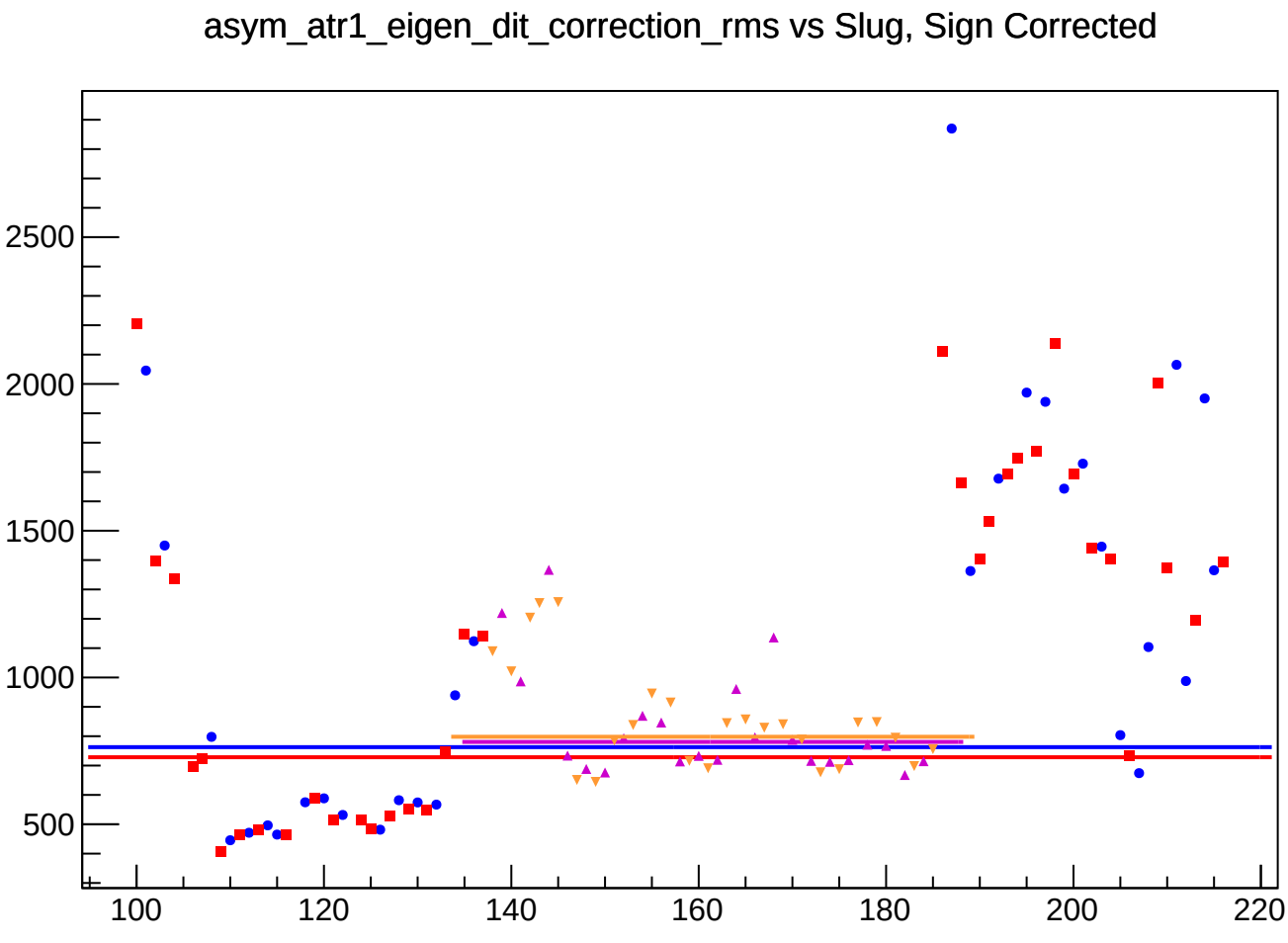
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 169.354+/-137.708 χ^2/NDF: 136.9/65

In: -147.858+/-135.623 χ^2/NDF:72.0/53

Out: -15.773+/-132.844 χ^2/NDF:150.8/59

All: -80.448+/-94.902 χ^2/NDF: 223.3/113



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: 728.345+/-0.135 χ^2/NDF: 9418271.1/34

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

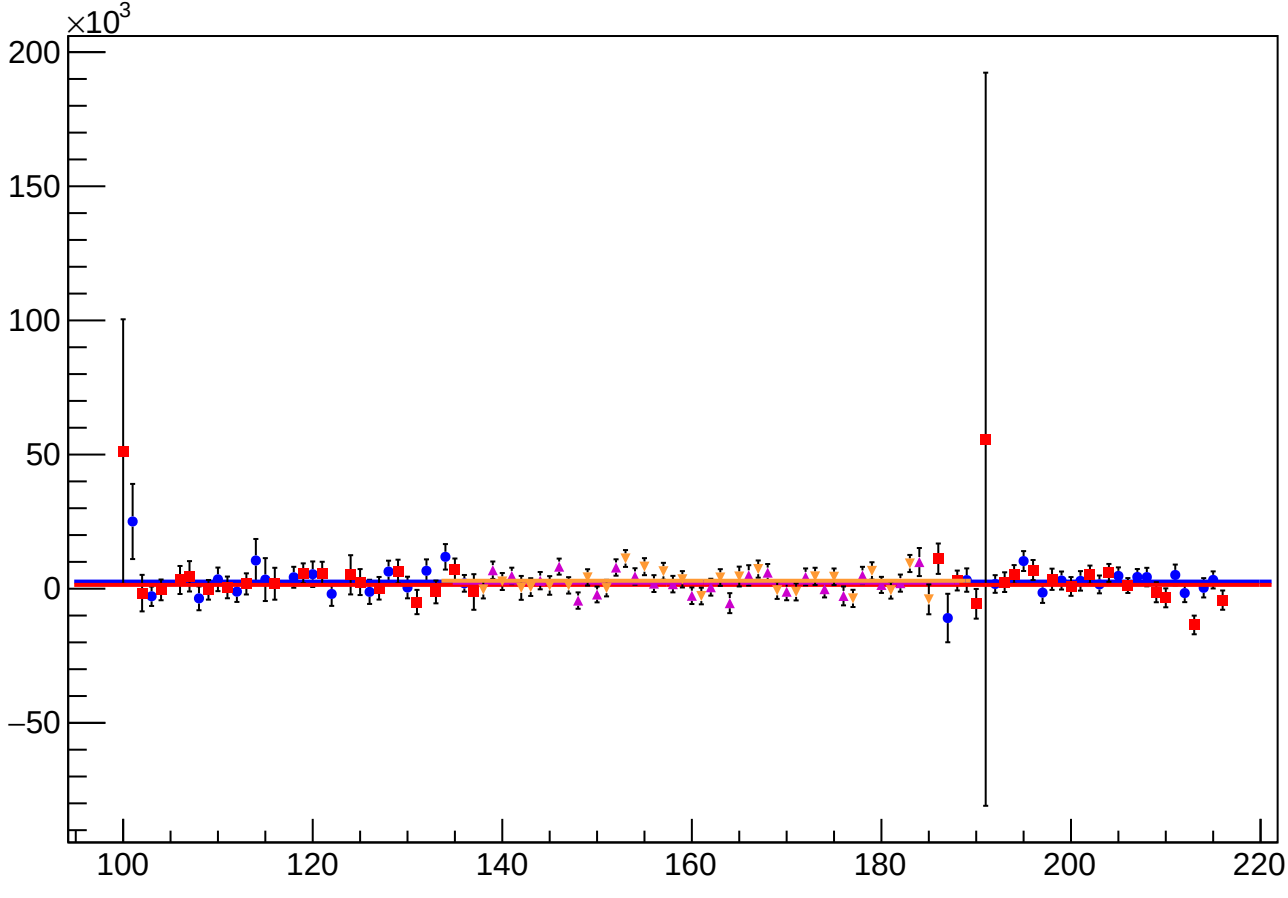
Right: 744.856+/-0.097 χ^2/NDF: 17856085.5/65

In: 772.272+/-0.096 χ^2/NDF:9479951.7/53

Out: 764.307+/-0.094 χ^2/NDF:10724315.3/59

All: 768.207+/-0.067 χ^2/NDF: 20207787.4/11

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: 1428.506+/-707.931 χ^2/NDF: 45.8/34

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

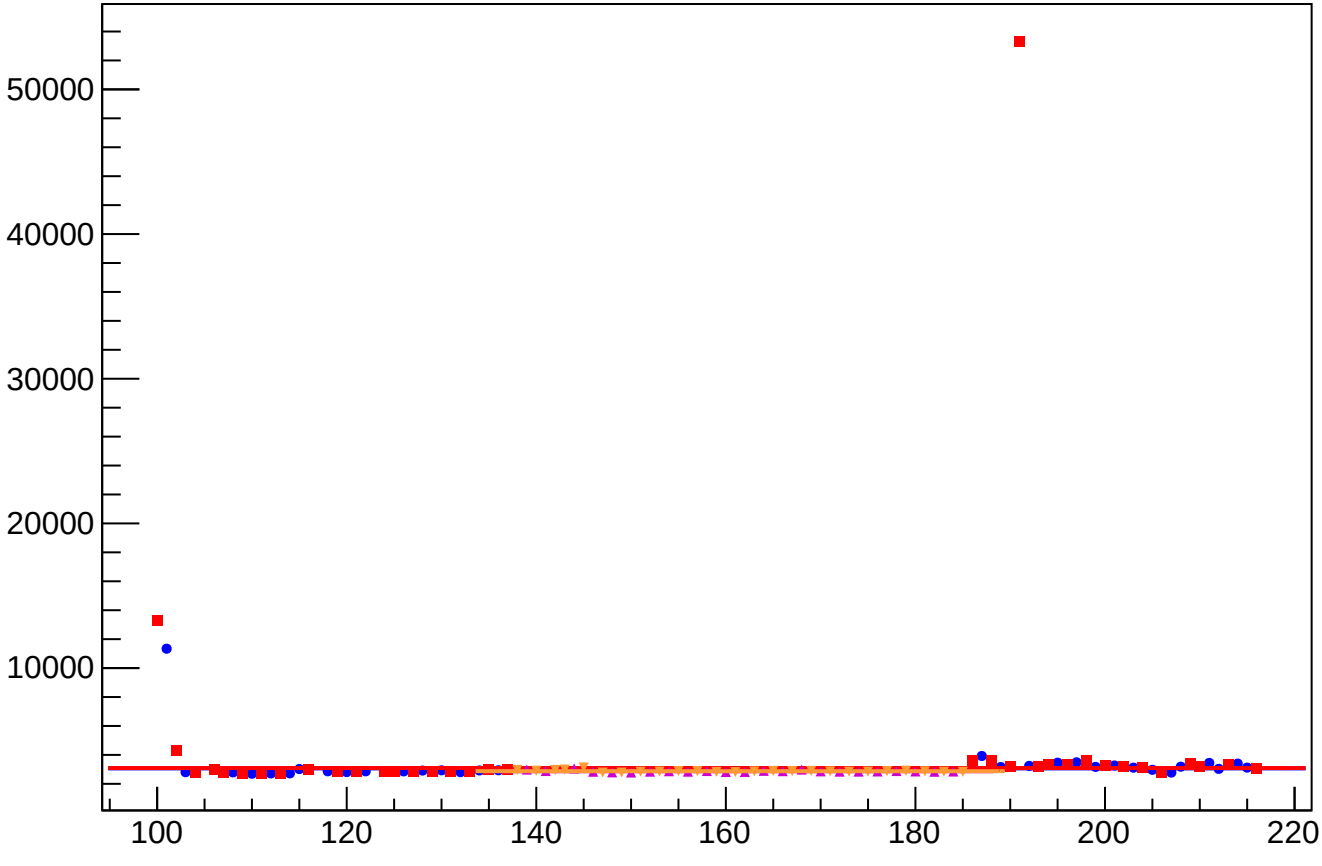
Right: 2041.368+/-500.439 χ^2/NDF: 75.6/65

In: 2434.287+/-486.612 χ^2/NDF:62.3/53

Out: 2260.677+/-480.101 χ^2/NDF:84.0/59

All: 2346.313+/-341.761 χ^2/NDF: 146.4/113

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: 3090.124+/-0.501 χ^2/NDF: 761891.1/34

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

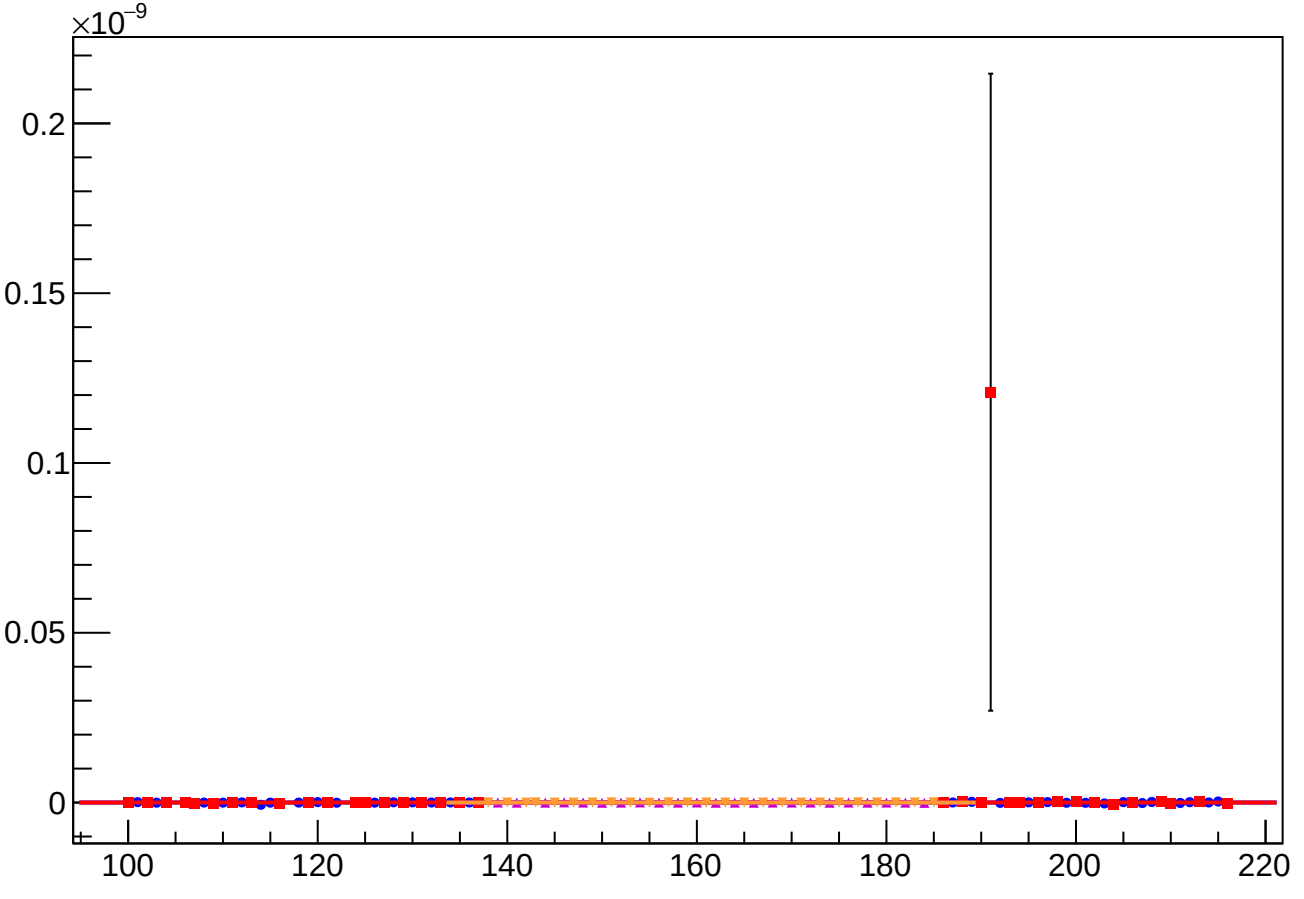
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3079.076+/-0.354 χ^2/NDF: 1689864.7/65

In: 2963.758+/-0.344 χ^2/NDF:1027134.6/53

Out: 2973.904+/-0.339 χ^2/NDF:883485.1/59

All: 2968.899+/-0.242 χ^2/NDF: 1911060.3/11



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: 45.7/34

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

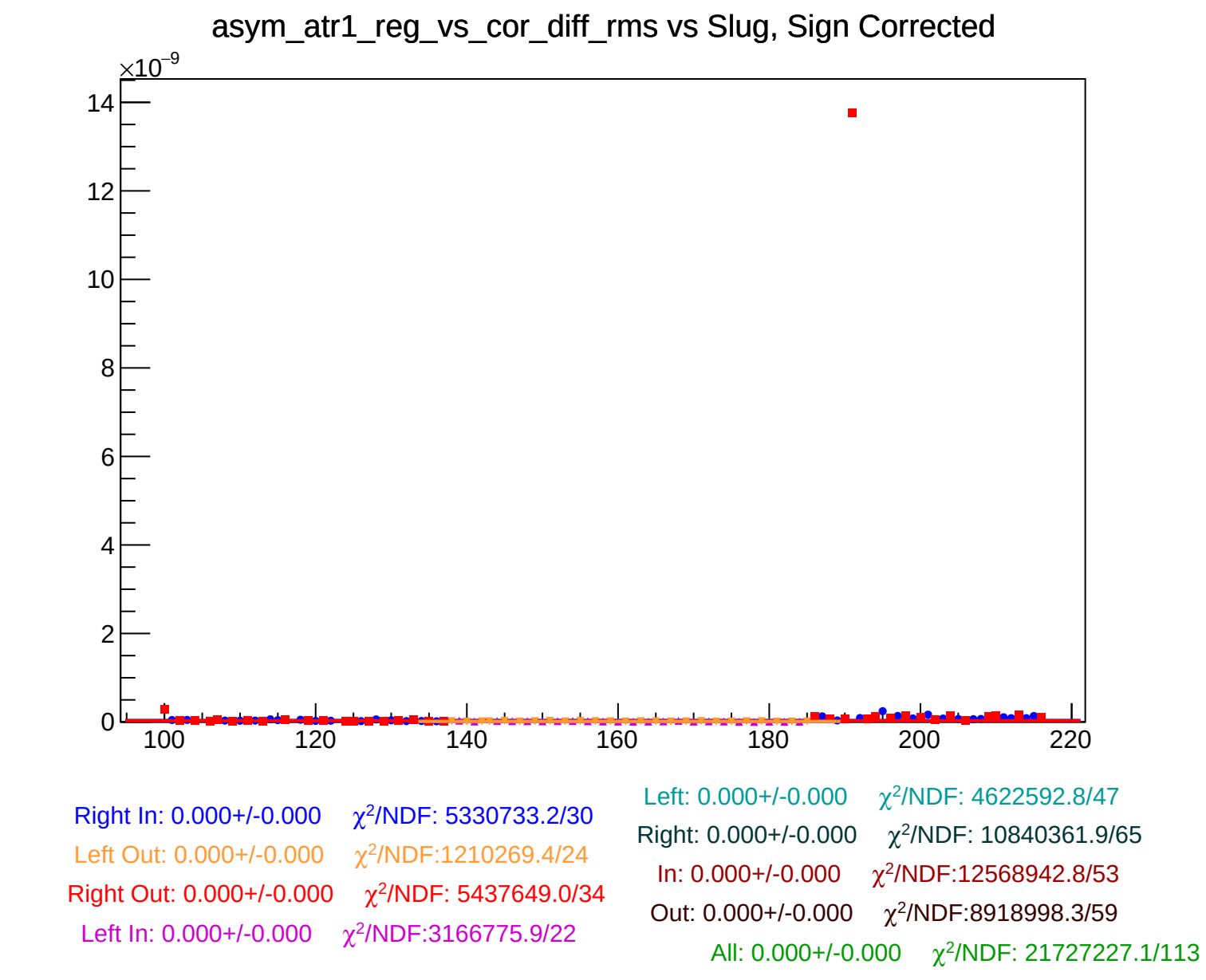
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

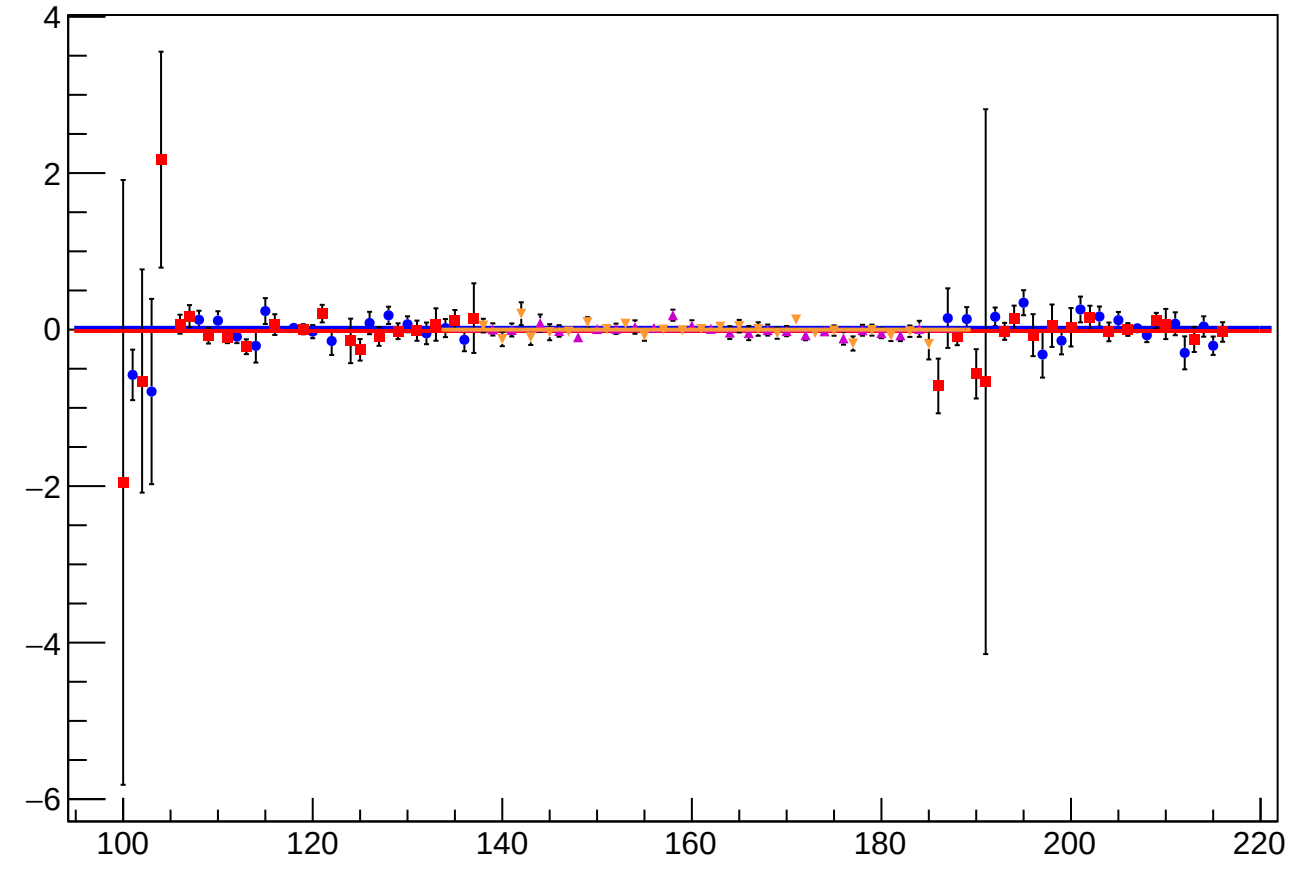
Right: 0.000+/-0.000 χ^2/NDF: 72.3/65

In: -0.000+/-0.000 χ^2/NDF:57.0/53

Out: 0.000+/-0.000 χ^2/NDF:60.6/59

All: -0.000+/-0.000 χ^2/NDF: 118.3/113


asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5330733.2/30
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5437649.0/34
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 10840361.9/65
In: 0.000+/-0.000 χ²/NDF:12568942.8/53
Out: 0.000+/-0.000 χ²/NDF:8918998.3/59
All: 0.000+/-0.000 χ²/NDF: 21727227.1/113



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: -0.018+/-0.022 χ^2/NDF: 33.2/34

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

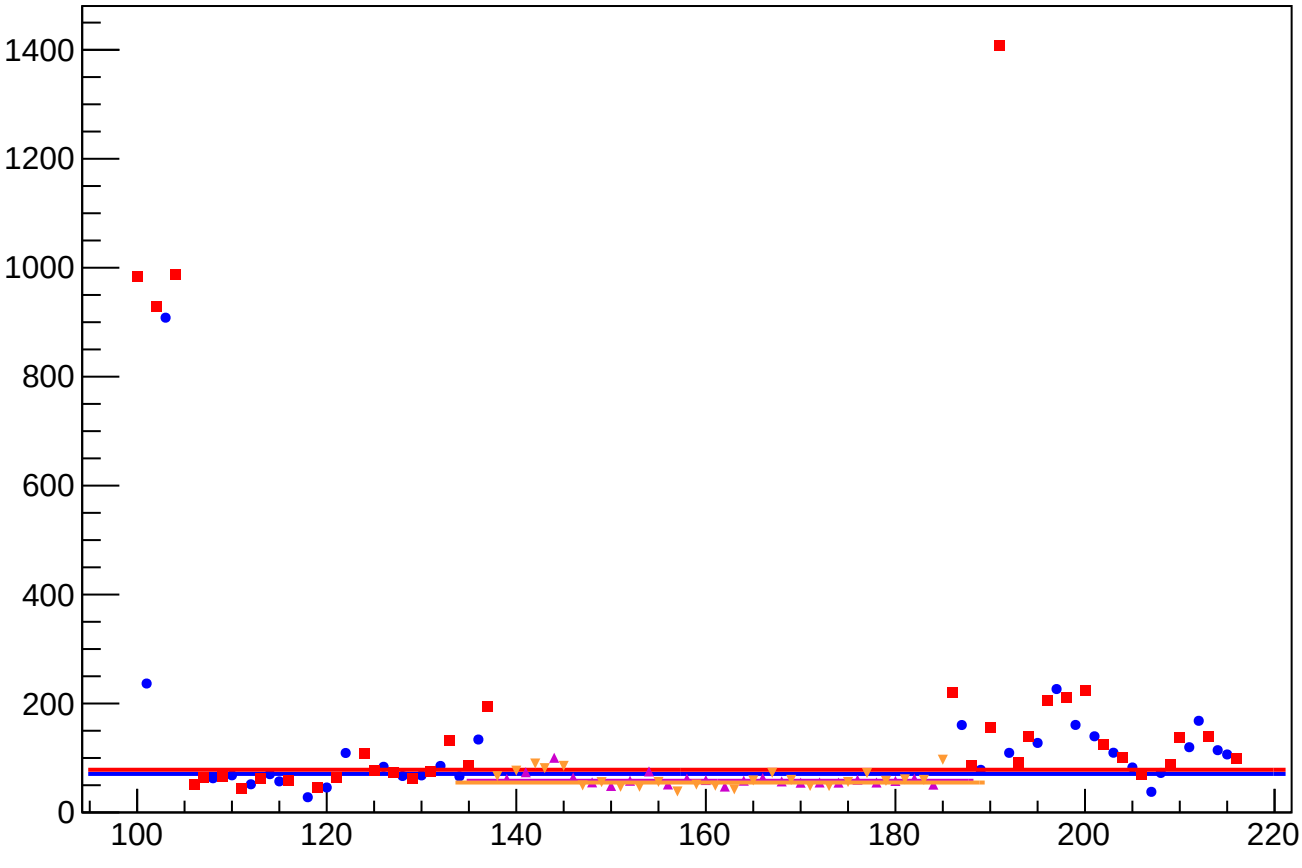
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.004+/-0.015 χ^2/NDF: 69.9/65

In: 0.002+/-0.012 χ^2/NDF:51.9/53

Out: -0.005+/-0.012 χ^2/NDF:56.2/59

All: -0.002+/-0.008 χ^2/NDF: 108.4/113



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: 78.393+/-0.016 χ^2/NDF: 6824925.2/34

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

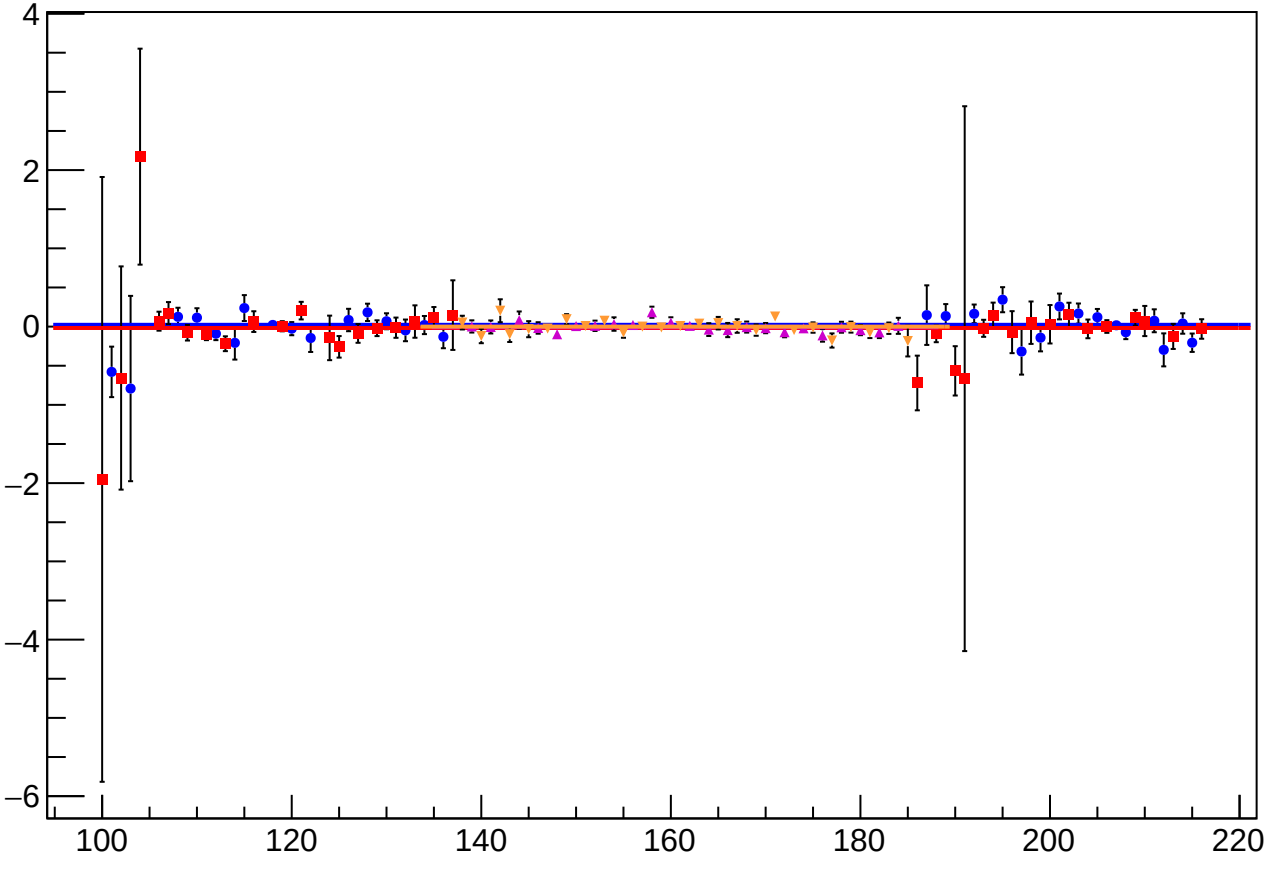
Right: 74.308+/-0.011 χ^2/NDF: 14585991.1/65

In: 62.405+/-0.009 χ^2/NDF:8779096.4/53

Out: 61.695+/-0.008 χ^2/NDF:9720339.9/59

All: 62.045+/-0.006 χ^2/NDF: 18502950.2/113

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: -0.018+/-0.022 χ^2/NDF: 33.2/34

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

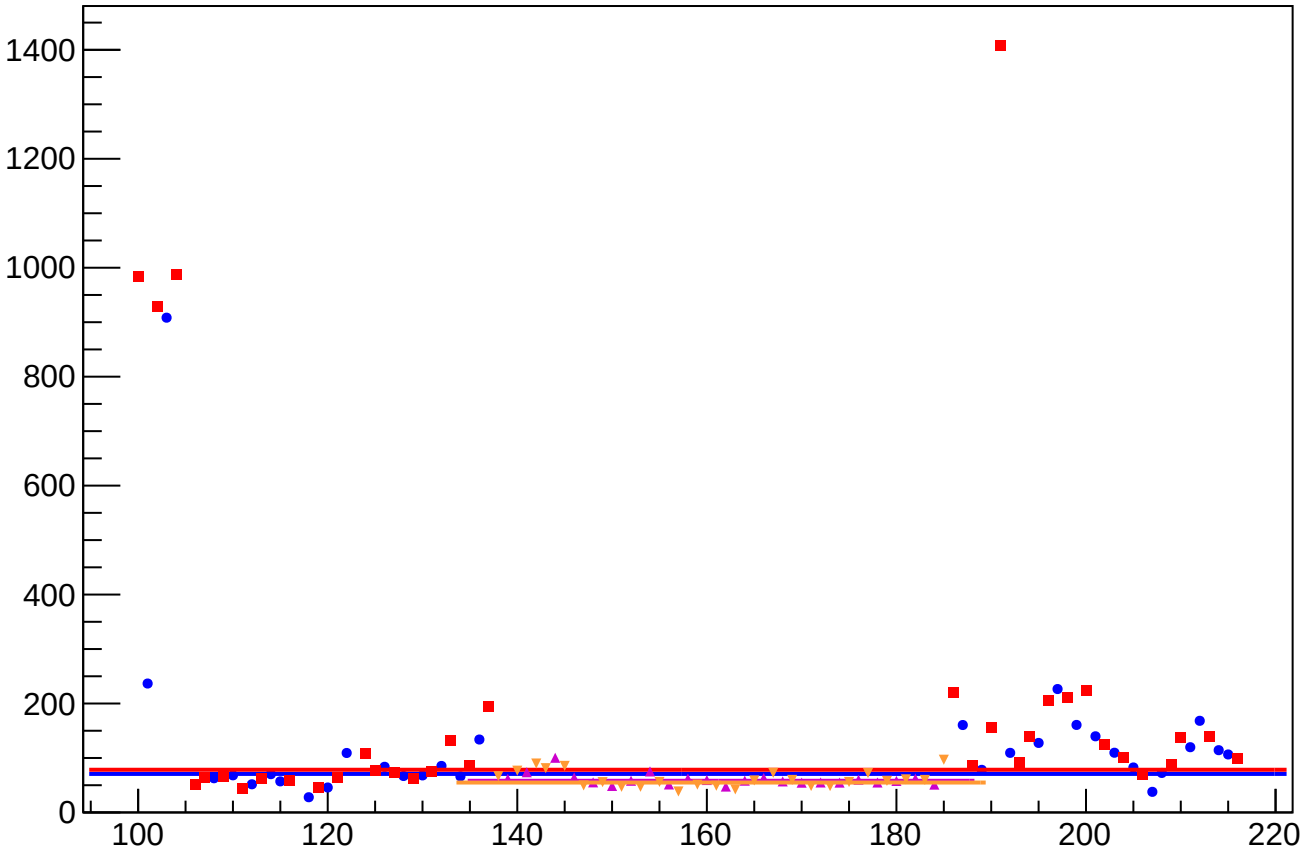
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.004+/-0.015 χ^2/NDF: 69.9/65

In: 0.002+/-0.012 χ^2/NDF:51.9/53

Out: -0.005+/-0.012 χ^2/NDF:56.2/59

All: -0.002+/-0.008 χ^2/NDF: 108.4/113



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: 78.393+/-0.016 χ^2/NDF: 6824925.2/34

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

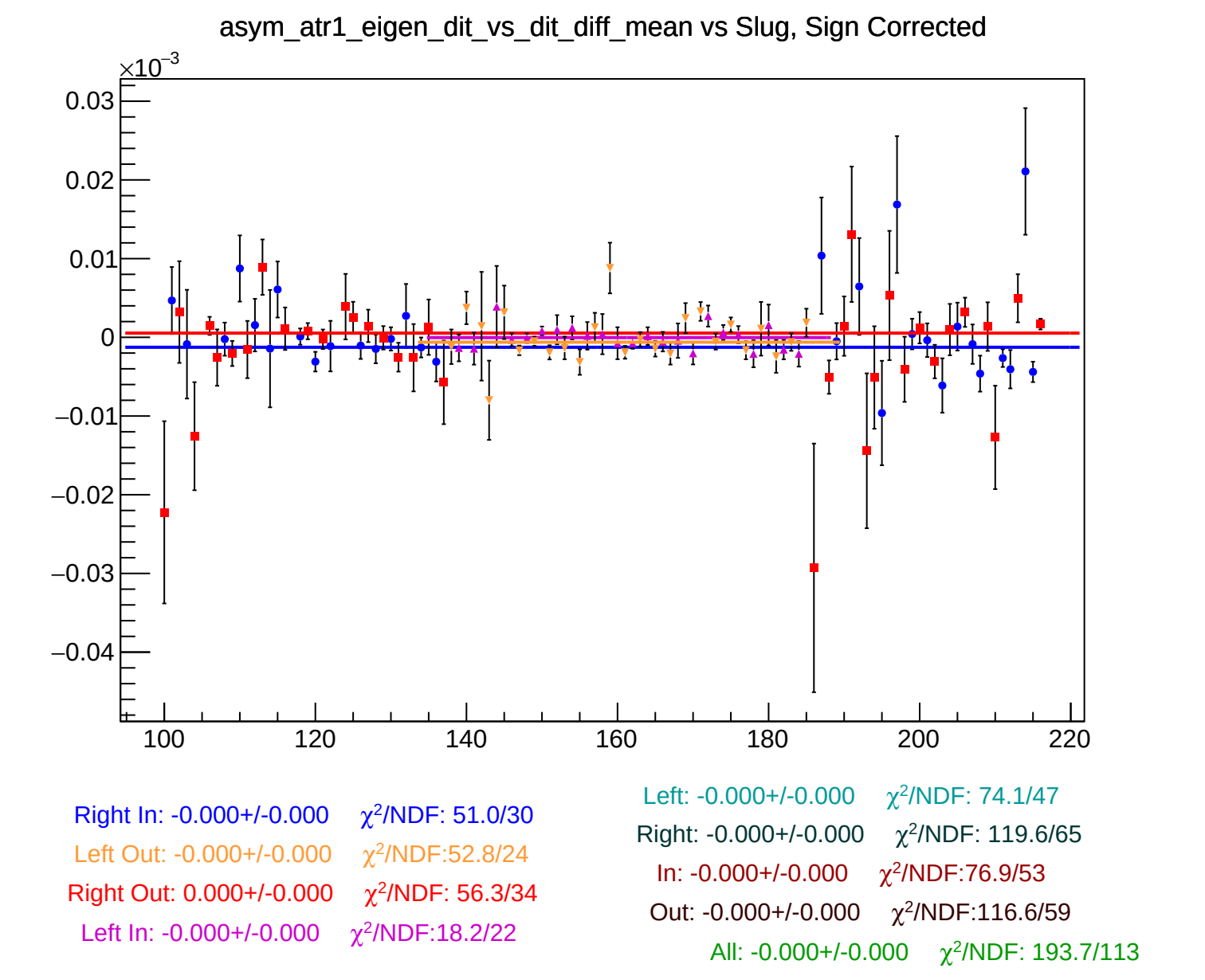
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

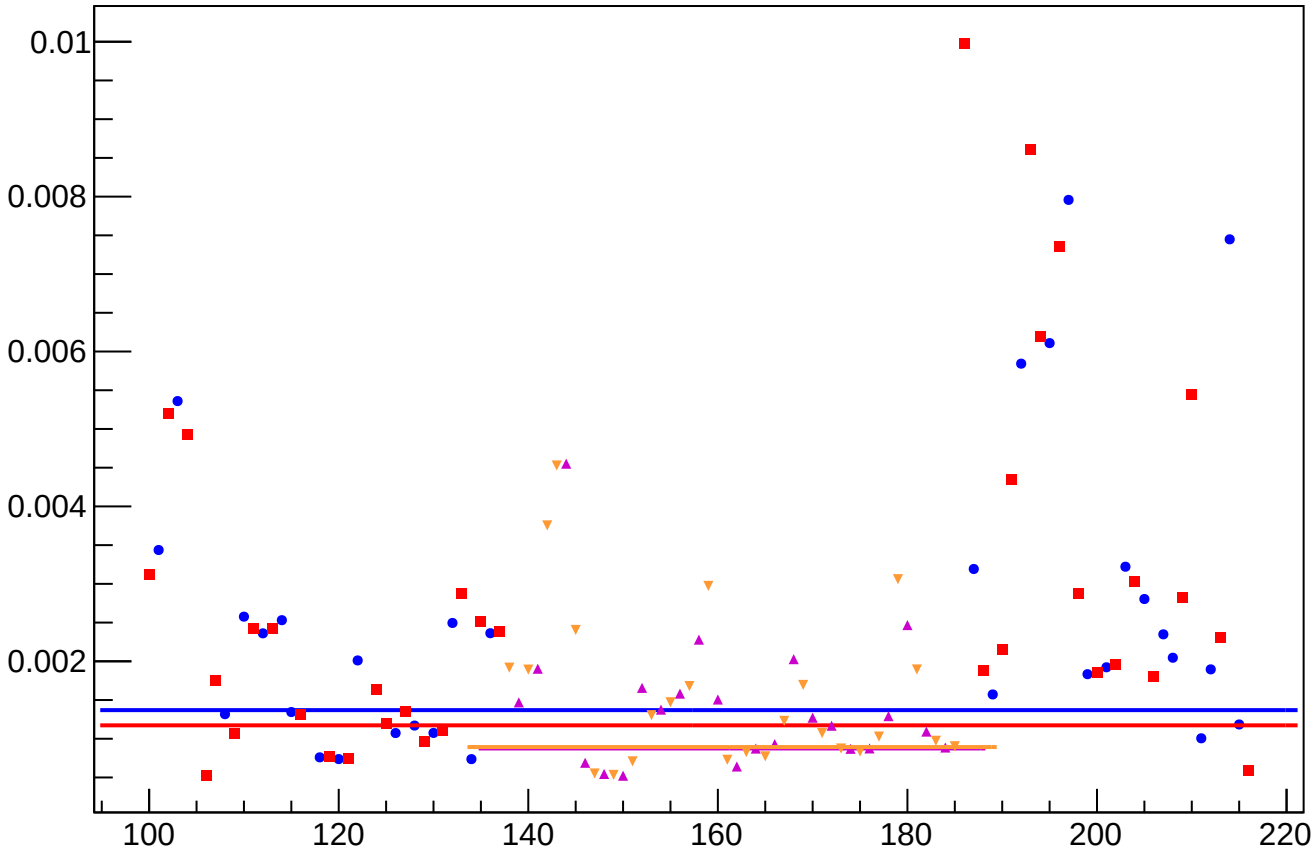
Right: 74.308+/-0.011 χ^2/NDF: 14585991.1/65

In: 62.405+/-0.009 χ^2/NDF:8779096.4/53

Out: 61.695+/-0.008 χ^2/NDF:9720339.9/59

All: 62.045+/-0.006 χ^2/NDF: 18502950.2/113


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: 56.3/34
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: 119.6/65
In: -0.000+/-0.000 χ²/NDF:76.9/53
Out: -0.000+/-0.000 χ²/NDF:116.6/59
All: -0.000+/-0.000 χ²/NDF: 193.7/113



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: 13573145.8/34

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

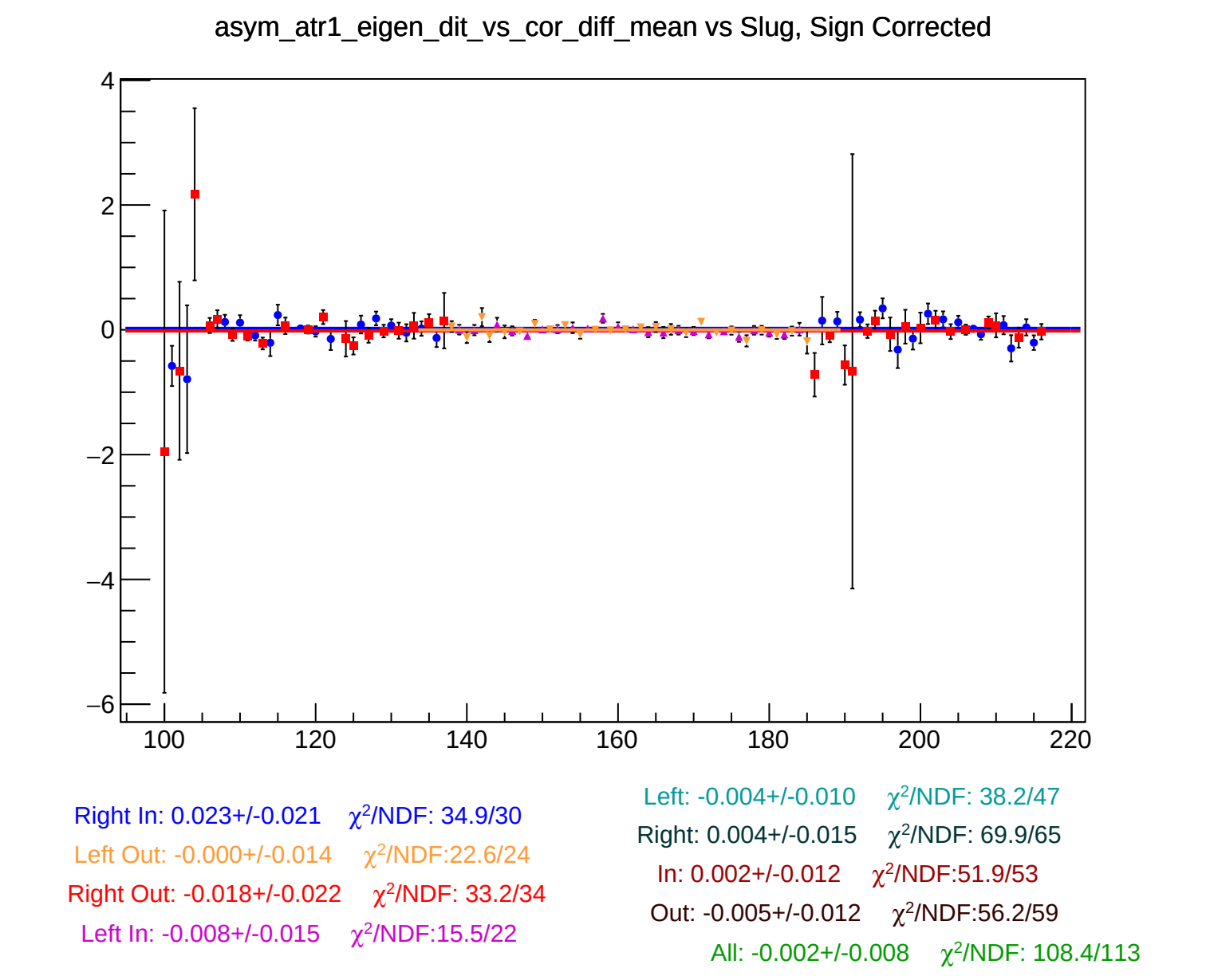
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

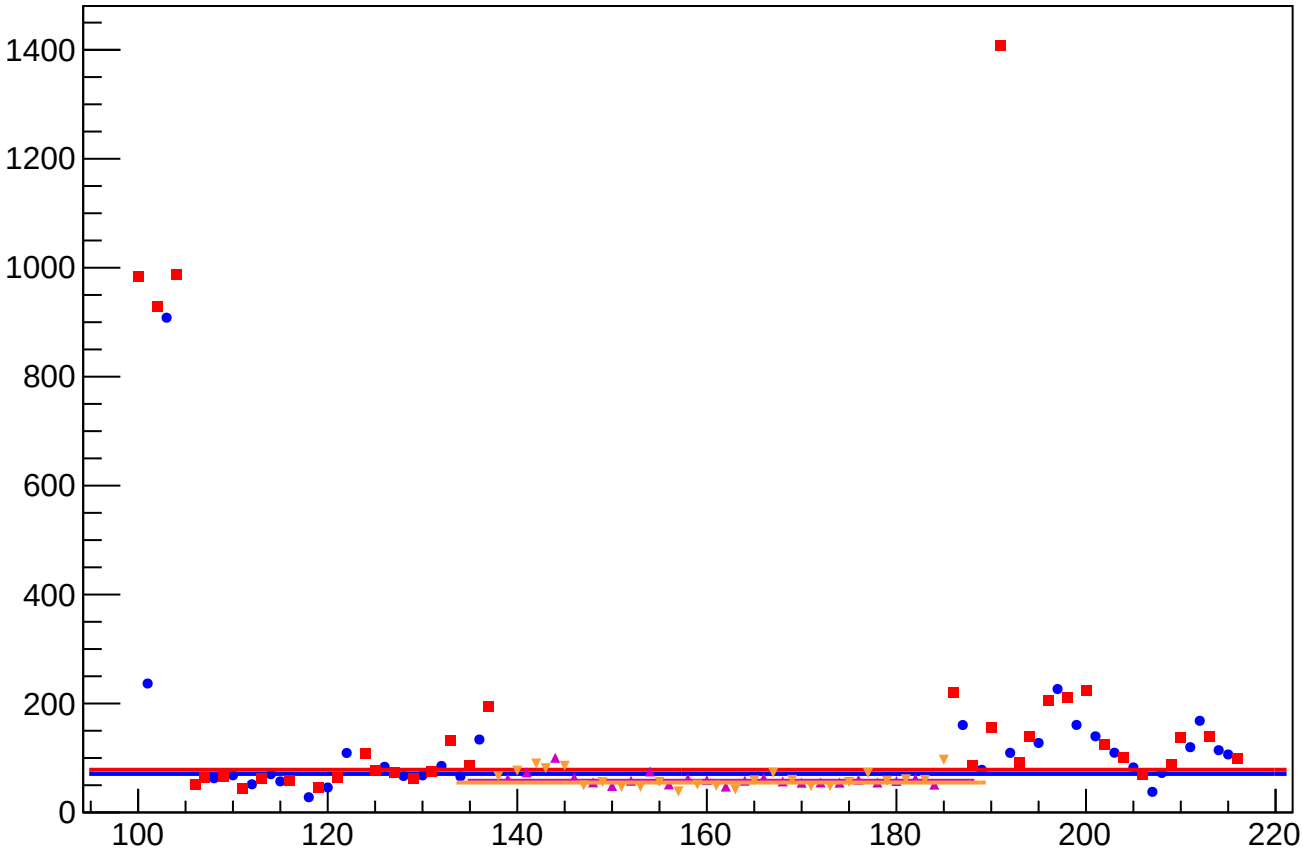
Right: 0.001+/-0.000 χ^2/NDF: 24407877.1/65

In: 0.001+/-0.000 χ^2/NDF:19974574.3/53

Out: 0.001+/-0.000 χ^2/NDF:22208153.2/59

All: 0.001+/-0.000 χ^2/NDF: 42213213.9/113


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: -0.018+/-0.022 χ²/NDF: 33.2/34
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: 69.9/65
In: 0.002+/-0.012 χ²/NDF:51.9/53
Out: -0.005+/-0.012 χ²/NDF:56.2/59
All: -0.002+/-0.008 χ²/NDF: 108.4/113



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: 78.393+/-0.016 χ^2/NDF: 6824957.8/34

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

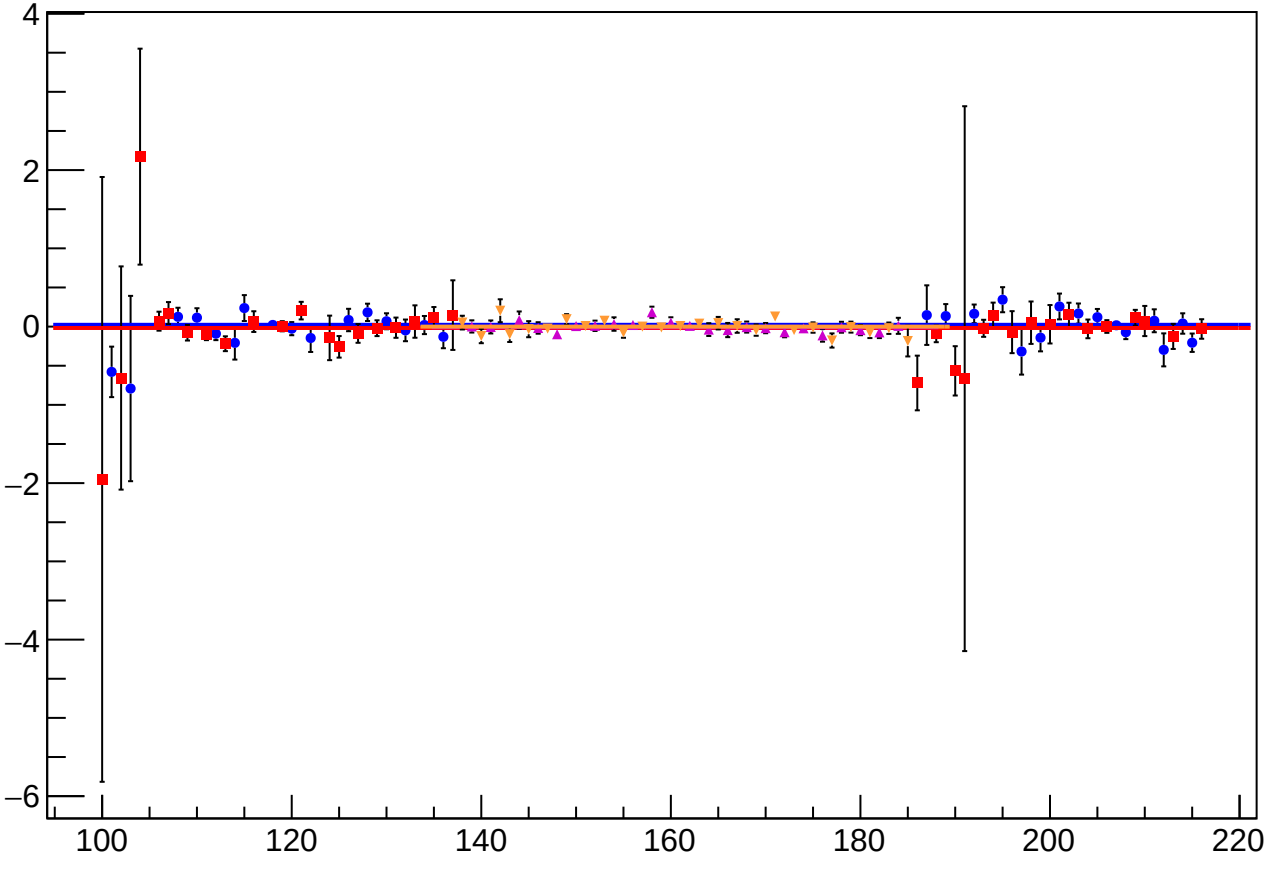
Right: 74.307+/-0.011 χ^2/NDF: 14586355.9/65

In: 62.405+/-0.009 χ^2/NDF:8779331.2/53

Out: 61.694+/-0.008 χ^2/NDF:9720490.1/59

All: 62.044+/-0.006 χ^2/NDF: 18503335.8/113

asym_atr1_eigen_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: -0.018+/-0.022 χ^2/NDF: 33.2/34

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

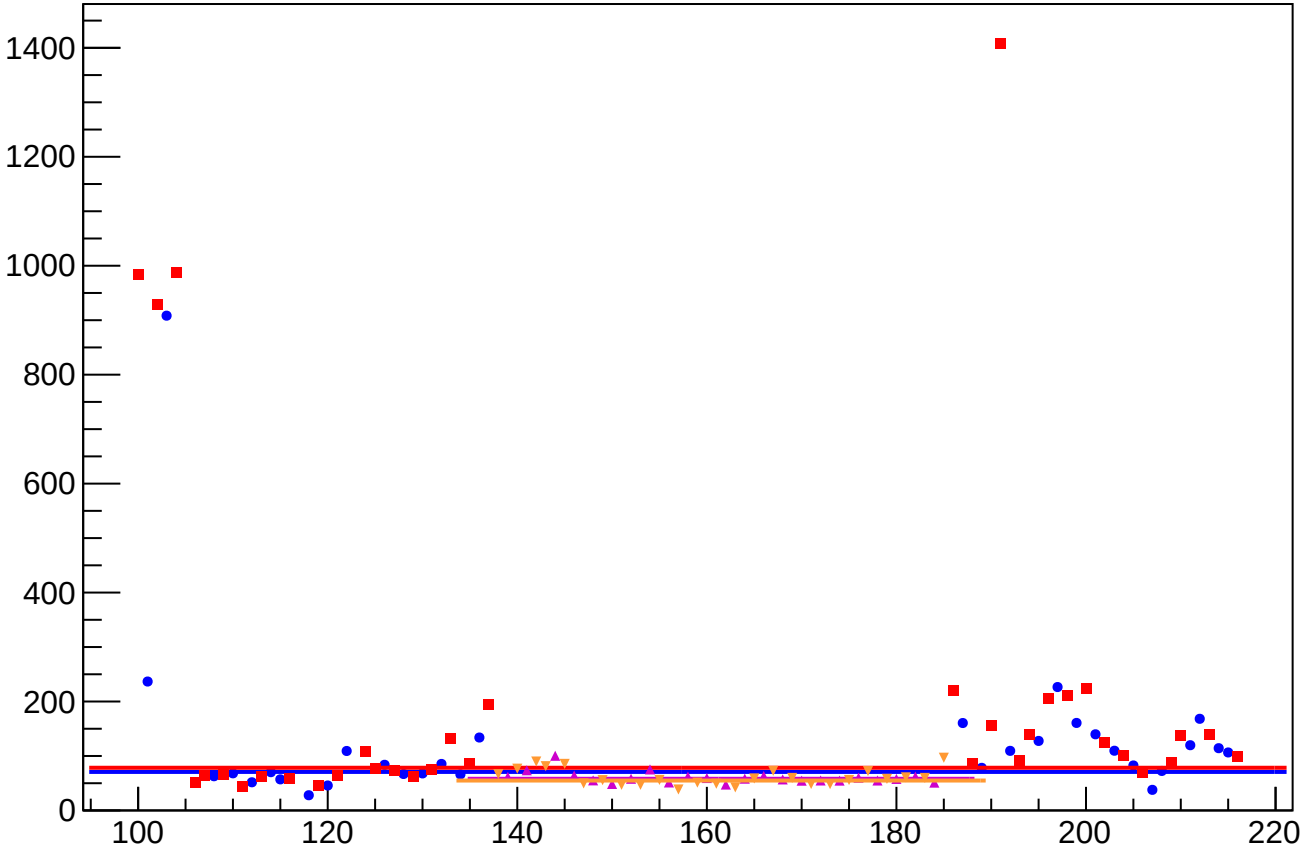
Right: 0.004+/-0.015 χ^2/NDF: 69.9/65

In: 0.002+/-0.012 χ^2/NDF:51.9/53

Out: -0.005+/-0.012 χ^2/NDF:56.2/59

All: -0.002+/-0.008 χ^2/NDF: 108.4/113

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: 78.393+/-0.016 χ^2/NDF: 6824957.8/34

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

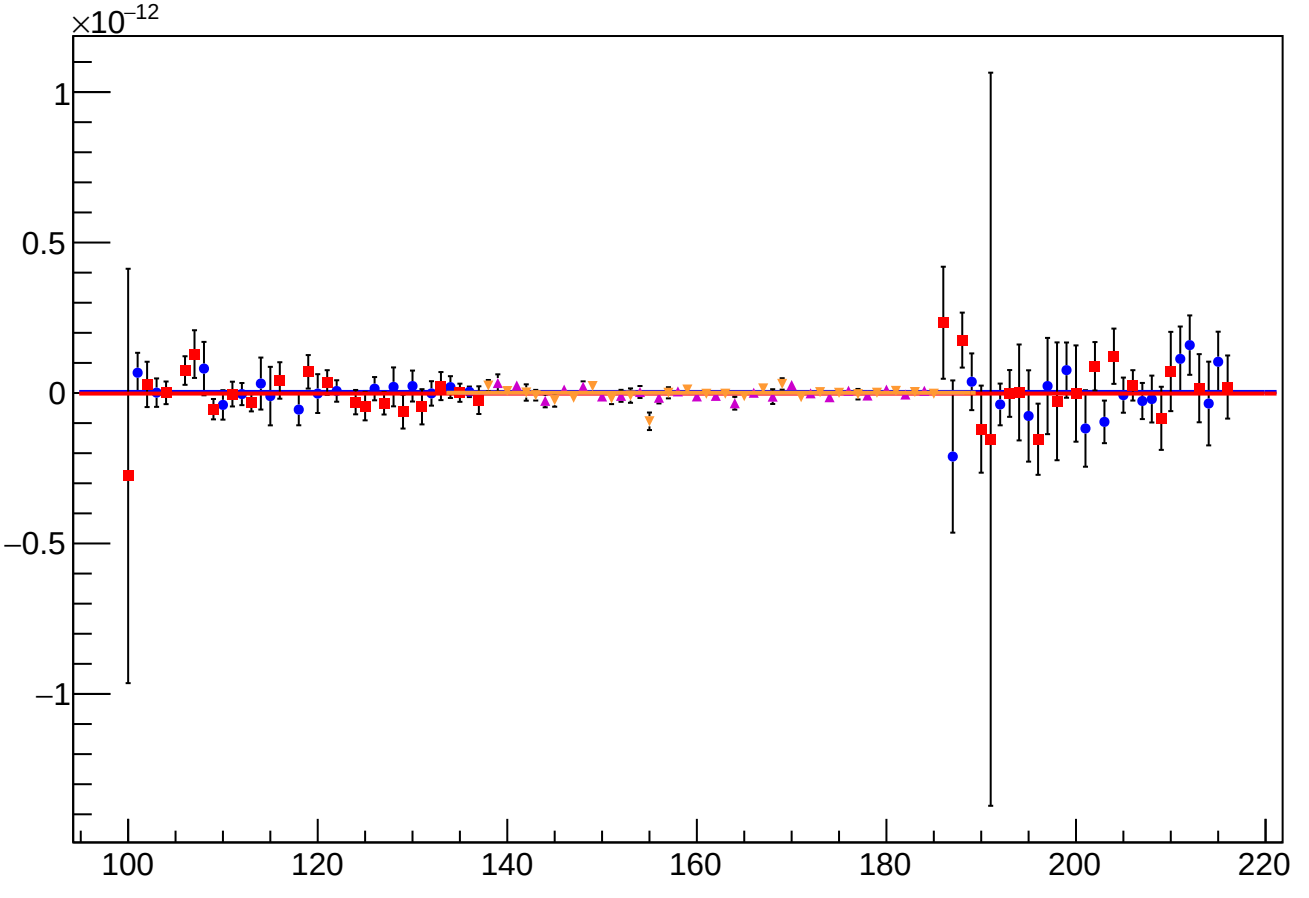
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 74.307+/-0.011 χ^2/NDF: 14586355.9/65

In: 62.405+/-0.009 χ^2/NDF:8779331.2/53

Out: 61.694+/-0.008 χ^2/NDF:9720490.1/59

All: 62.044+/-0.006 χ^2/NDF: 18503335.8/113



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: 28.5/34

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

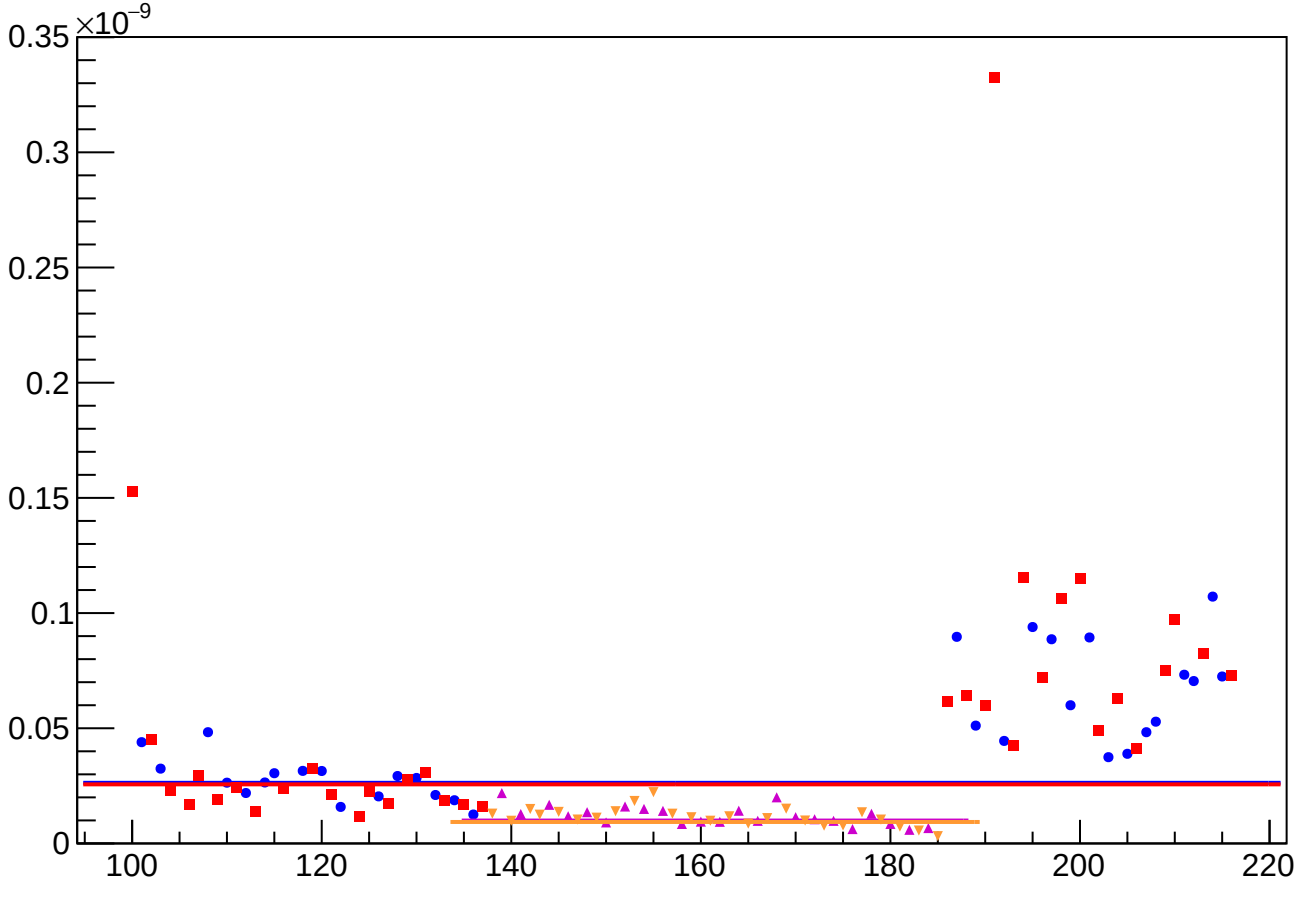
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 43.1/65

In: 0.000+/-0.000 χ^2/NDF:34.8/53

Out: 0.000+/-0.000 χ^2/NDF:53.9/59

All: 0.000+/-0.000 χ^2/NDF: 88.7/113



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: 6722081.3/34

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

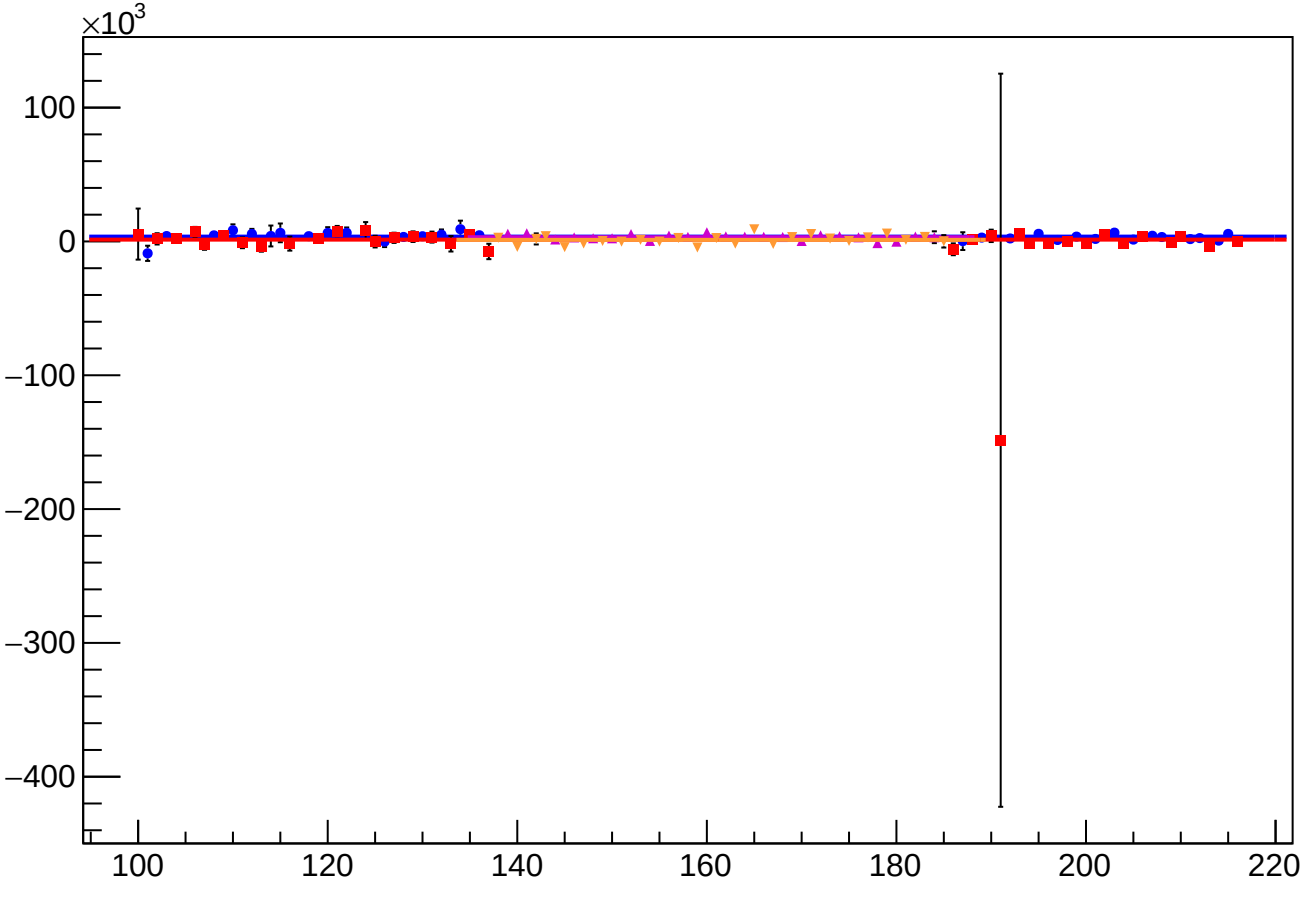
Right: 0.000+/-0.000 χ^2/NDF: 13063375.7/65

In: 0.000+/-0.000 χ^2/NDF:14472143.7/53

Out: 0.000+/-0.000 χ^2/NDF:15337808.4/59

All: 0.000+/-0.000 χ^2/NDF: 29895757.4/113

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: 1356.244+/-605.849 χ^2/NDF: 31.8/34

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

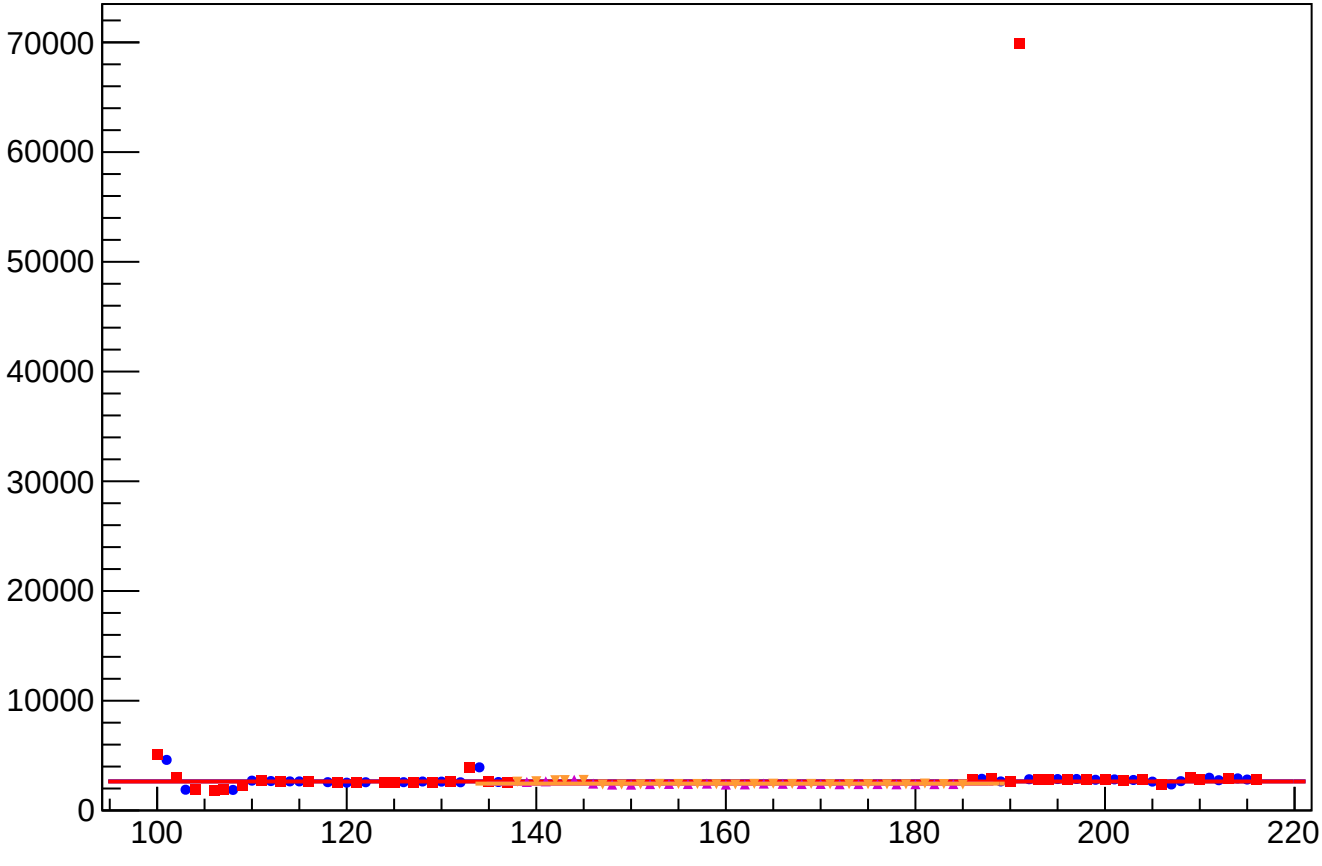
Right: 2474.127+/-430.029 χ^2/NDF: 53.5/65

In: 3362.168+/-416.324 χ^2/NDF:27.9/53

Out: 1265.407+/-409.739 χ^2/NDF:62.9/59

All: 2297.075+/-292.030 χ^2/NDF: 103.7/113

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: 2639.105+/-0.428 χ^2/NDF: 807718.7/34

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

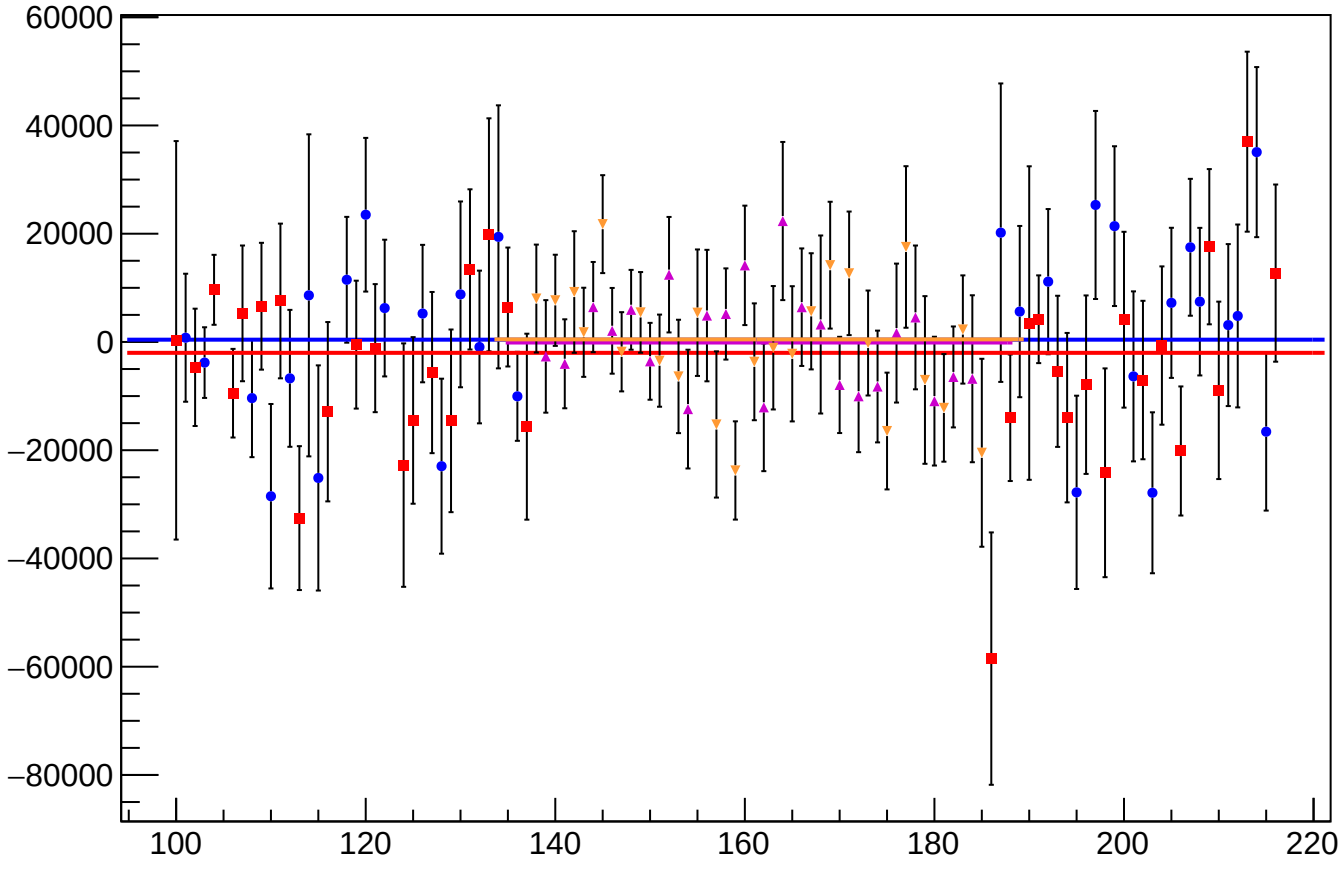
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2646.688+/-0.304 χ^2/NDF: 1579753.9/65

In: 2537.538+/-0.294 χ^2/NDF:967567.2/53

Out: 2534.230+/-0.290 χ^2/NDF:1008181.9/59

All: 2535.857+/-0.206 χ^2/NDF: 1975813.3/11



Right In: 420.838+/-2427.064 χ^2/NDF: 34.9/30

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2010.402+/-2235.399 χ^2/NDF: 37.2/34

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

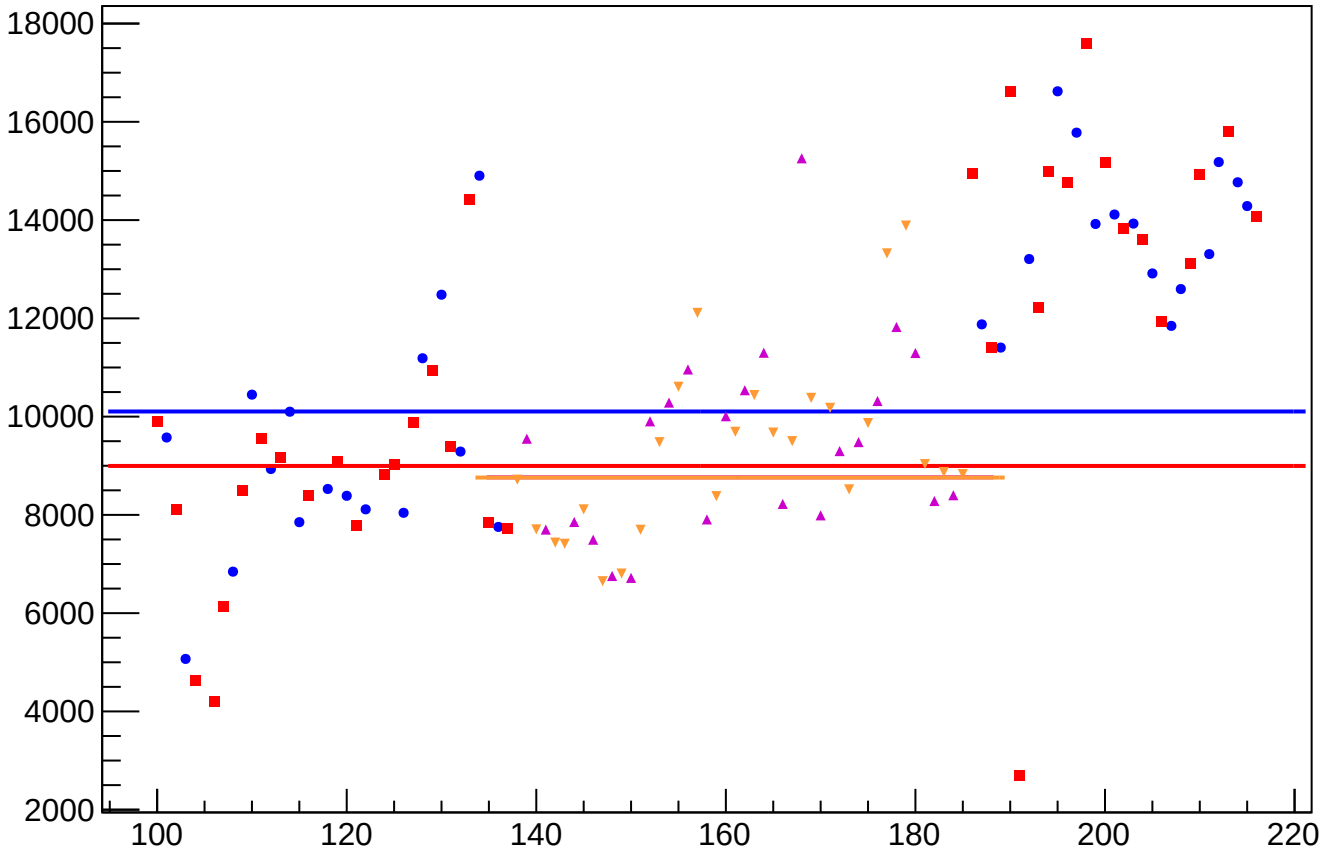
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -894.557+/-1644.255 χ^2/NDF: 72.7/65

In: 119.035+/-1584.119 χ^2/NDF:49.5/53

Out: -650.714+/-1505.225 χ^2/NDF:65.3/59

All: -285.484+/-1091.180 χ^2/NDF: 114.9/113



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: 8996.138+/-1.581 χ^2/NDF: 6328488.5/34

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

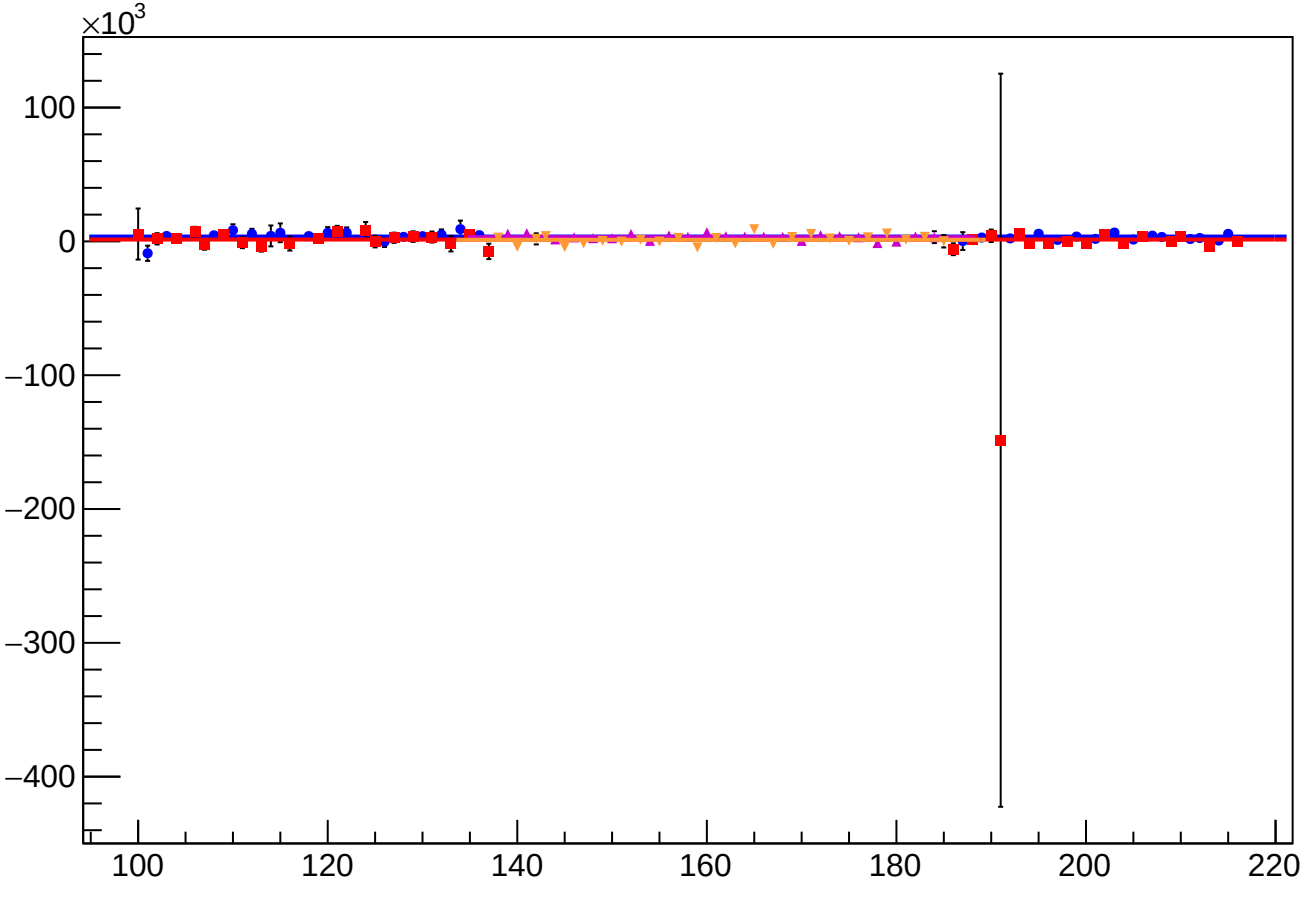
Right: 9504.840+/-1.163 χ^2/NDF: 10236841.3/65

In: 9335.144+/-1.120 χ^2/NDF:5324514.4/53

Out: 8866.869+/-1.064 χ^2/NDF:7562963.0/59

All: 9089.055+/-0.772 χ^2/NDF: 12979320.6/1

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: 1356.554+/-605.851 χ^2/NDF: 31.8/34

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

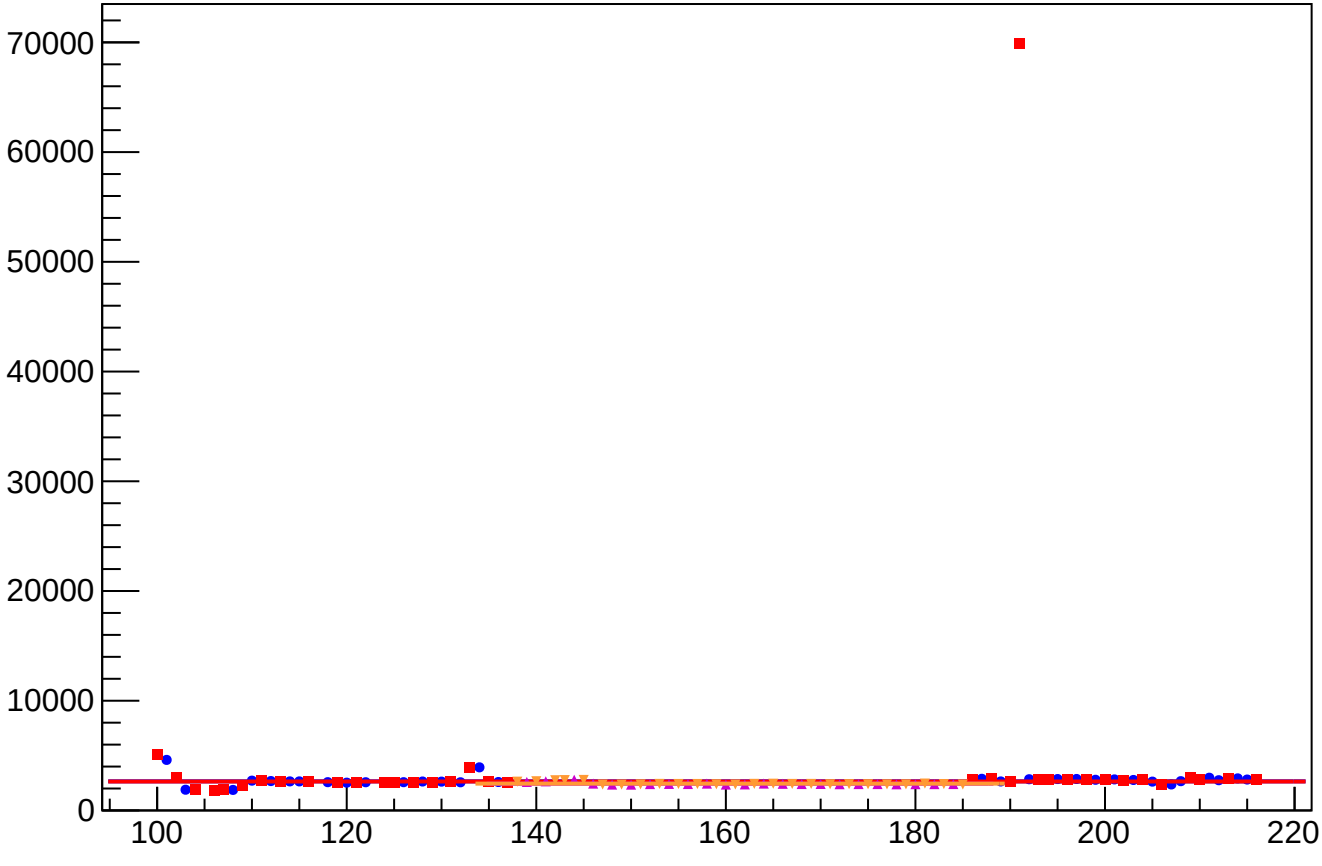
Right: 2474.219+/-430.030 χ^2/NDF: 53.6/65

In: 3361.999+/-416.324 χ^2/NDF:27.9/53

Out: 1265.456+/-409.740 χ^2/NDF:63.0/59

All: 2297.018+/-292.030 χ^2/NDF: 103.7/113

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: 2639.116+/-0.428 χ^2/NDF: 807641.3/34

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

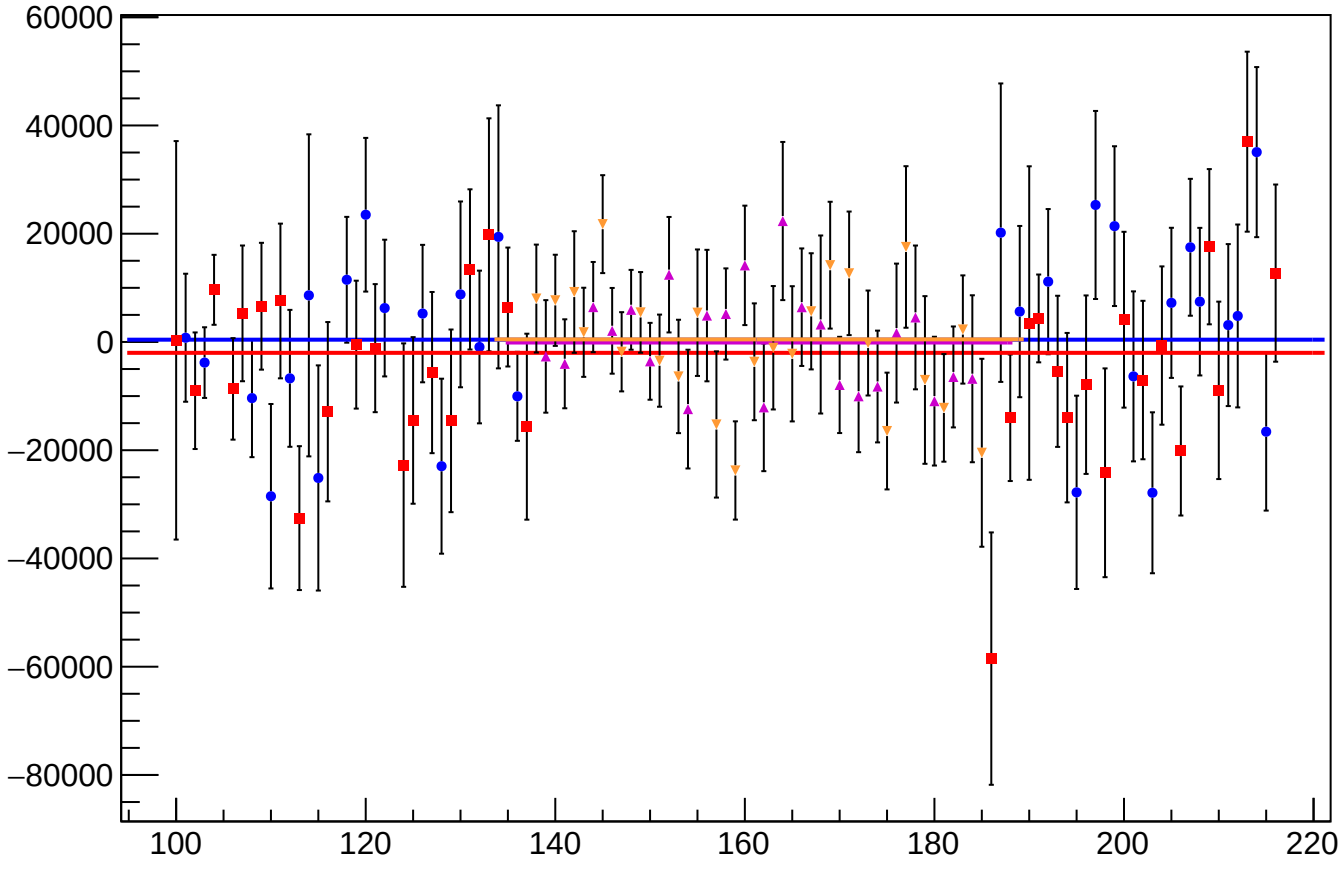
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2646.694+/-0.304 χ^2/NDF: 1579672.7/65

In: 2537.538+/-0.294 χ^2/NDF:967564.9/53

Out: 2534.235+/-0.290 χ^2/NDF:1008117.5/59

All: 2535.860+/-0.206 χ^2/NDF: 1975746.4/11



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: -2009.943+/-2254.943 χ^2/NDF: 37.3/34

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

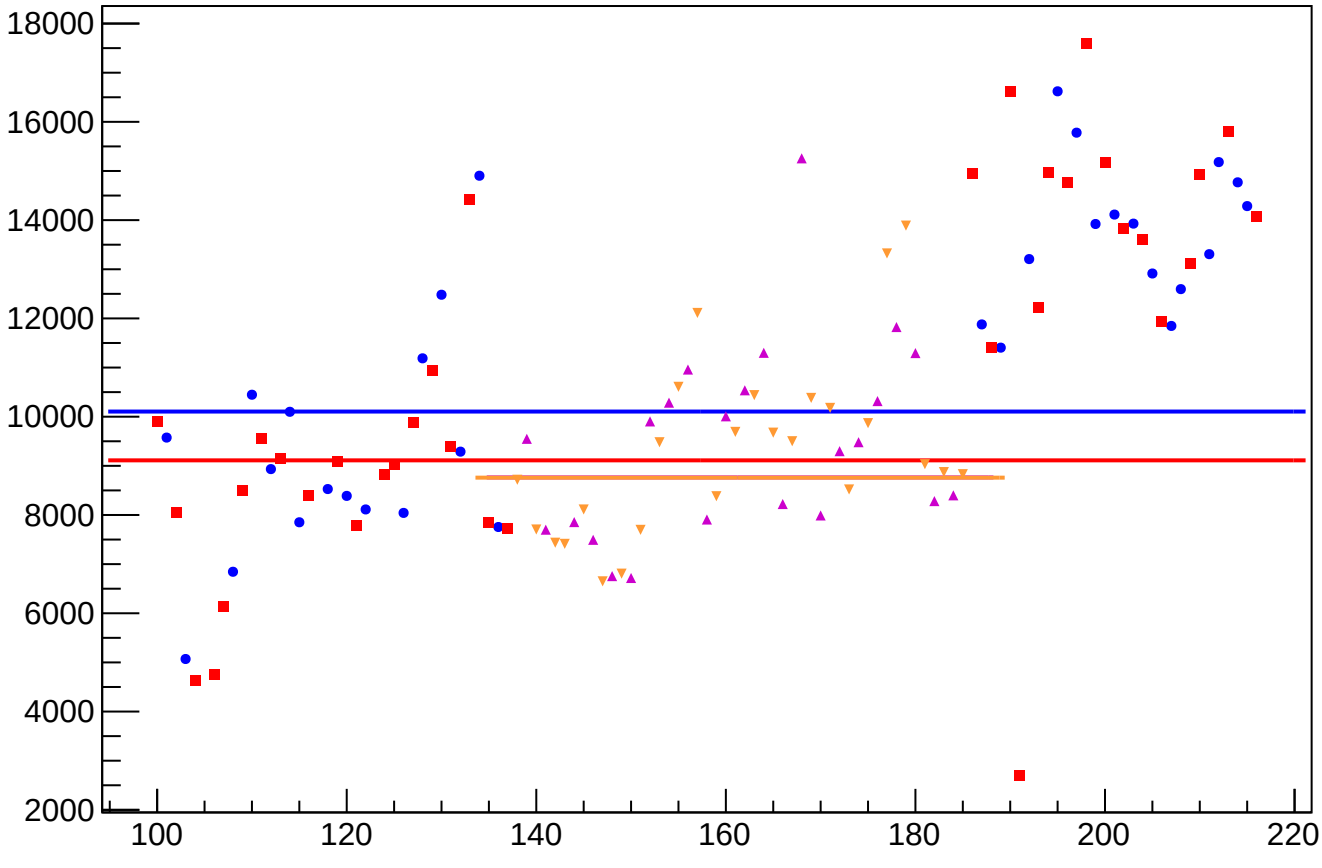
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -883.655+/-1652.000 χ^2/NDF: 72.8/65

In: 119.136+/-1584.130 χ^2/NDF:49.5/53

Out: -639.777+/-1511.148 χ^2/NDF:65.4/59

All: -278.204+/-1093.434 χ^2/NDF: 115.0/113



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: 9111.752+/-1.594 χ^2/NDF: 6045626.8/34

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

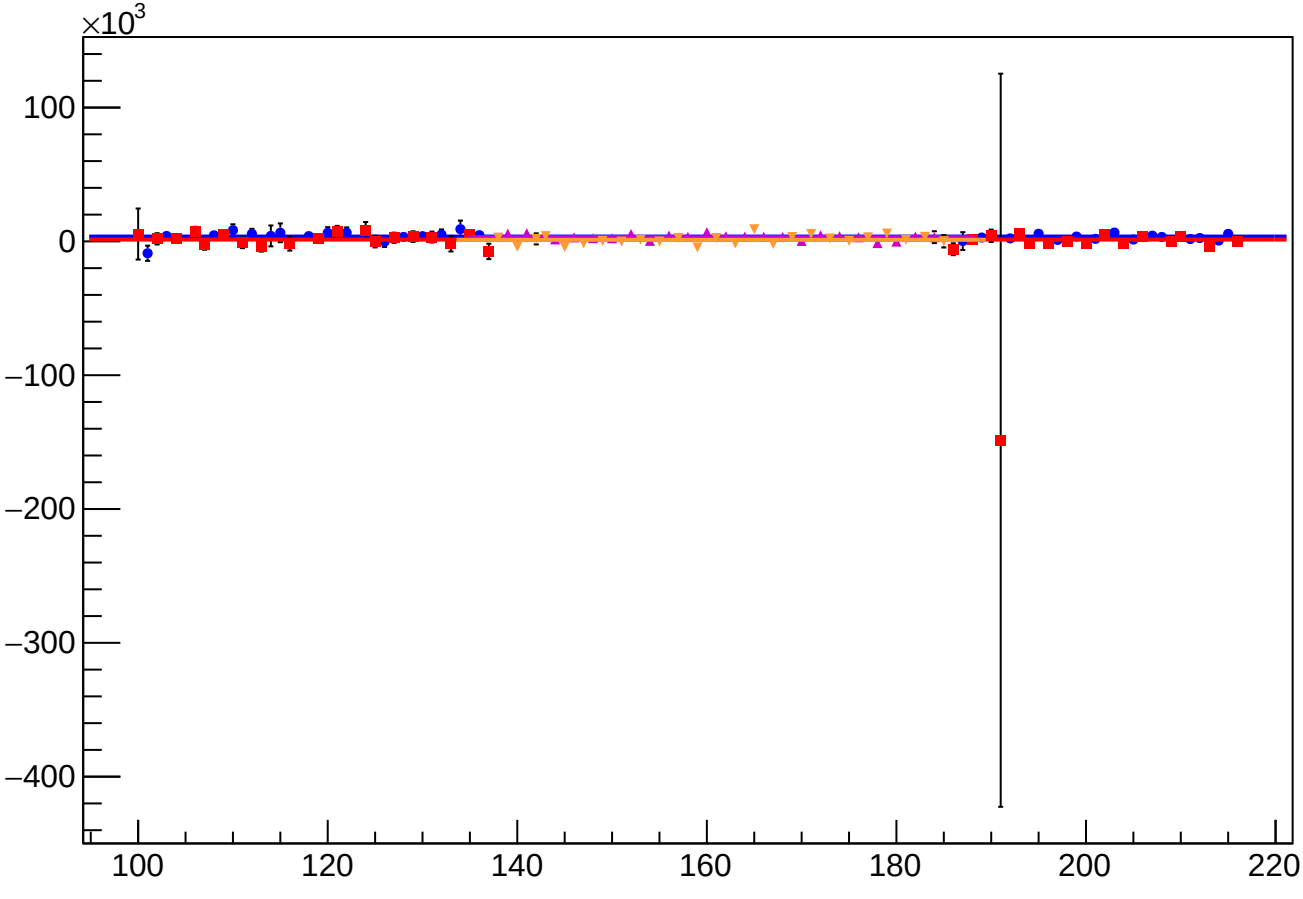
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9571.806+/-1.168 χ^2/NDF: 9907356.2/65

In: 9335.246+/-1.120 χ^2/NDF:5324007.1/53

Out: 8917.766+/-1.069 χ^2/NDF:7294743.3/59

All: 9116.668+/-0.773 χ^2/NDF: 12691476.8/1



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: 1356.554+/-605.851 χ^2/NDF: 31.8/34

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

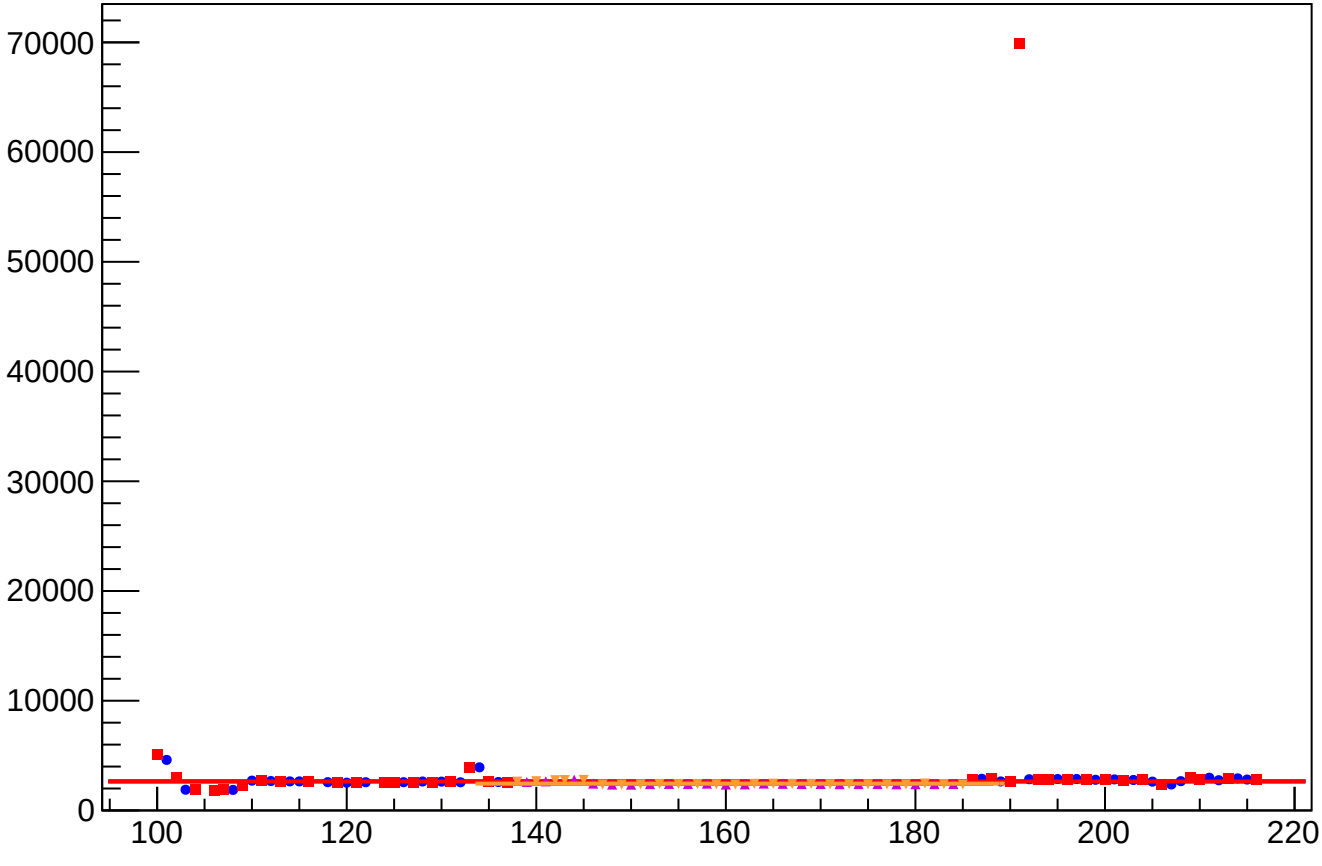
Right: 2474.219+/-430.030 χ^2/NDF: 53.6/65

In: 3361.999+/-416.324 χ^2/NDF:27.9/53

Out: 1265.456+/-409.740 χ^2/NDF:63.0/59

All: 2297.018+/-292.030 χ^2/NDF: 103.7/113

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: 2639.116+/-0.428 χ^2/NDF: 807641.3/34

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

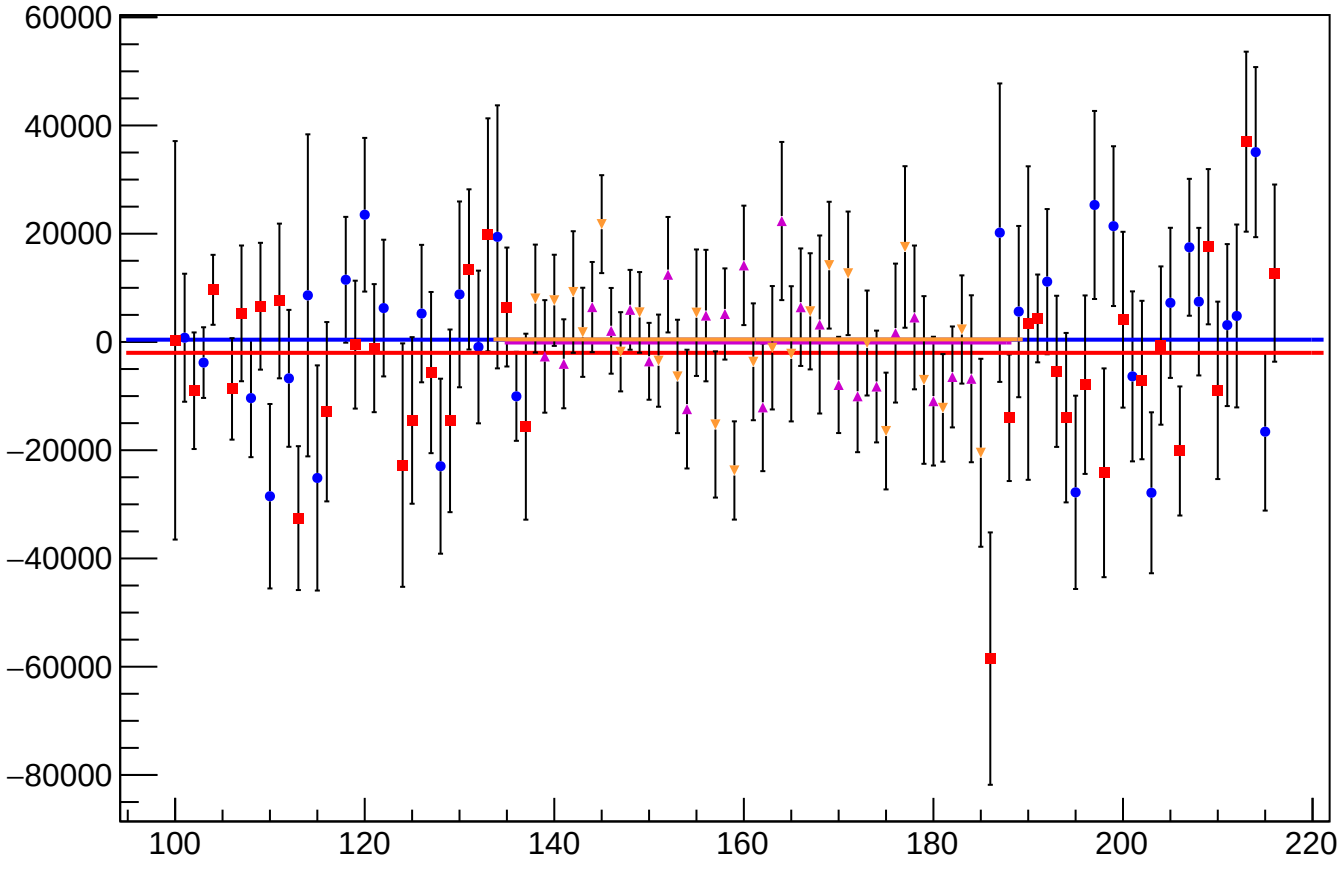
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2646.694+/-0.304 χ^2/NDF: 1579672.7/65

In: 2537.538+/-0.294 χ^2/NDF:967564.9/53

Out: 2534.235+/-0.290 χ^2/NDF:1008117.5/59

All: 2535.860+/-0.206 χ^2/NDF: 1975746.4/11



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: -2009.943+/-2254.943 χ^2/NDF: 37.3/34

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

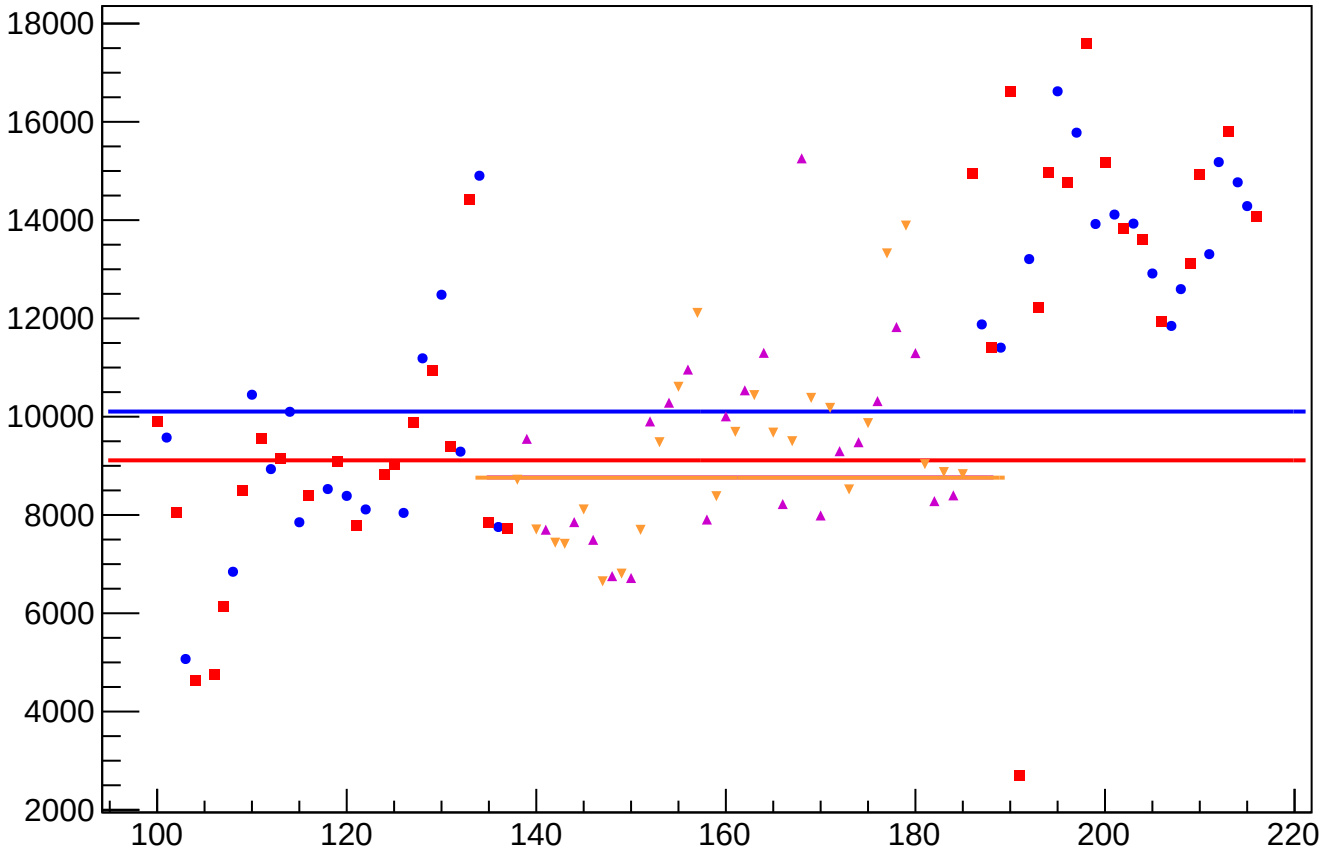
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -883.655+/-1652.000 χ^2/NDF: 72.8/65

In: 119.136+/-1584.130 χ^2/NDF:49.5/53

Out: -639.777+/-1511.148 χ^2/NDF:65.4/59

All: -278.204+/-1093.434 χ^2/NDF: 115.0/113



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: 9111.752+/-1.594 χ^2/NDF: 6045626.8/34

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

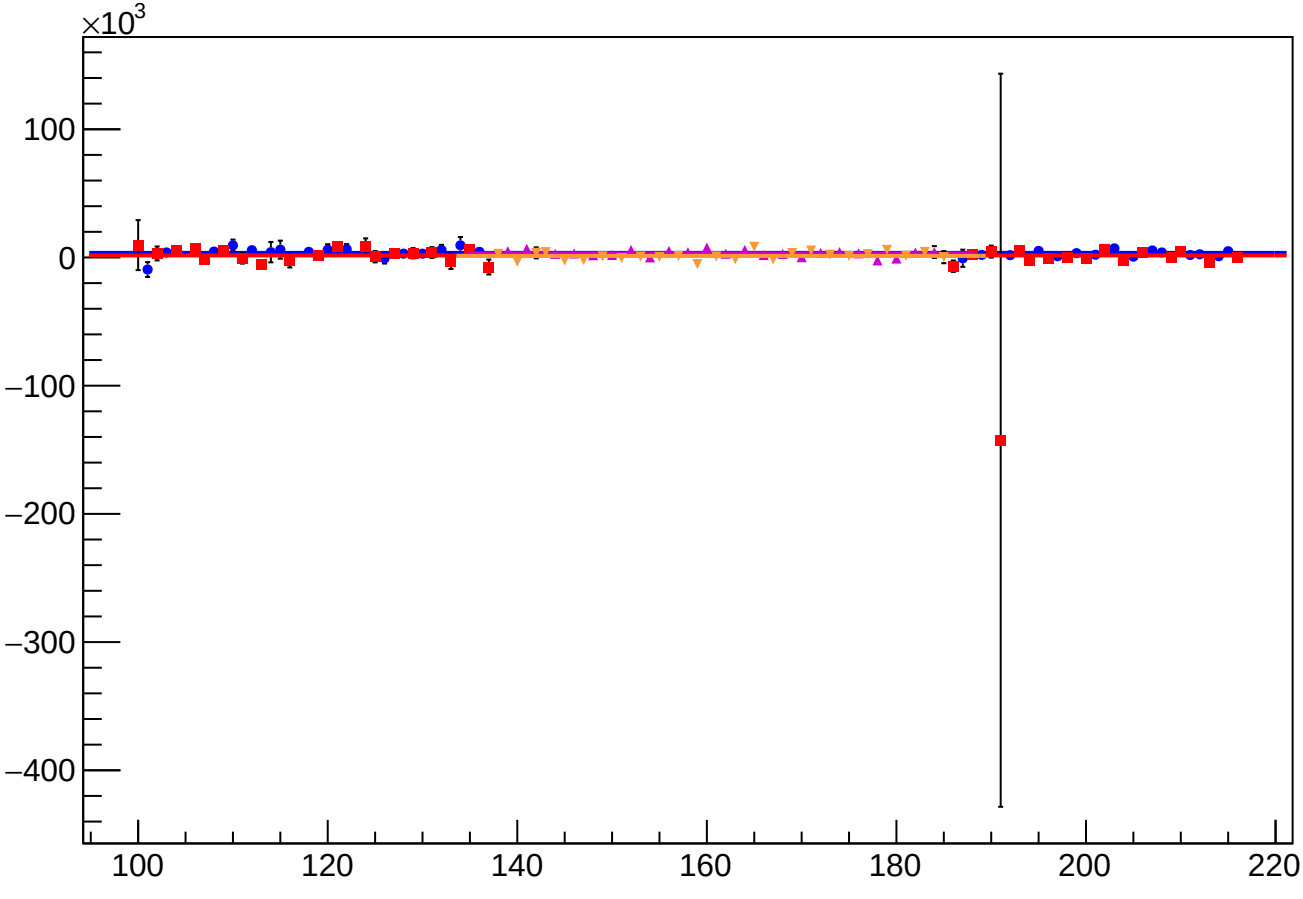
Right: 9571.806+/-1.168 χ^2/NDF: 9907356.2/65

In: 9335.246+/-1.120 χ^2/NDF:5324007.1/53

Out: 8917.766+/-1.069 χ^2/NDF:7294743.3/59

All: 9116.668+/-0.773 χ^2/NDF: 12691476.8/1

dit_asym_atr2_mean vs Slug, Sign Corrected



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: 1588.340+/-624.185 χ^2/NDF: 36.0/34

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

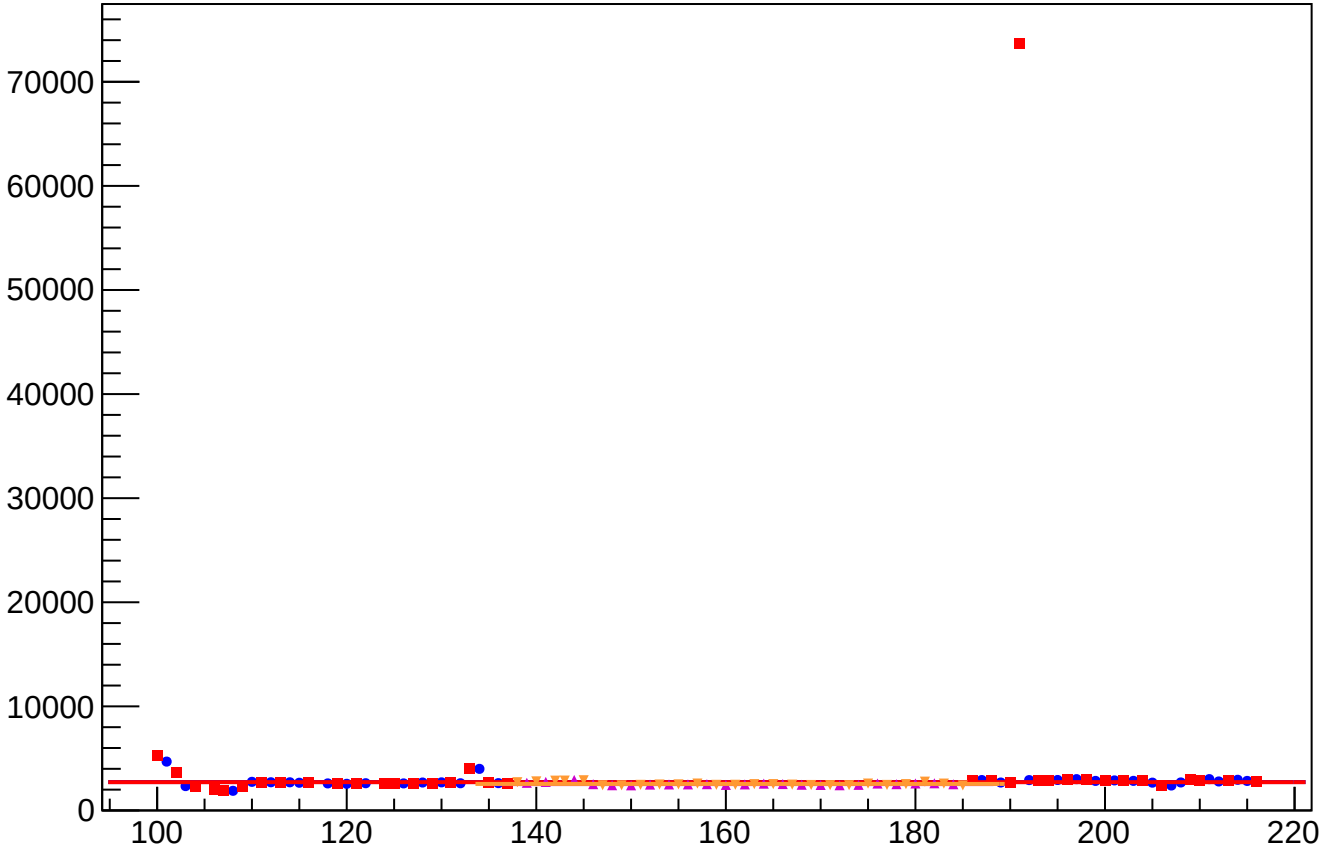
Right: 2584.205+/-442.220 χ^2/NDF: 57.9/65

In: 3356.669+/-430.367 χ^2/NDF:33.5/53

Out: 1387.287+/-424.764 χ^2/NDF:63.0/59

All: 2359.074+/-302.315 χ^2/NDF: 107.1/113

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: 2718.612+/-0.441 χ^2/NDF: 698441.2/34

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

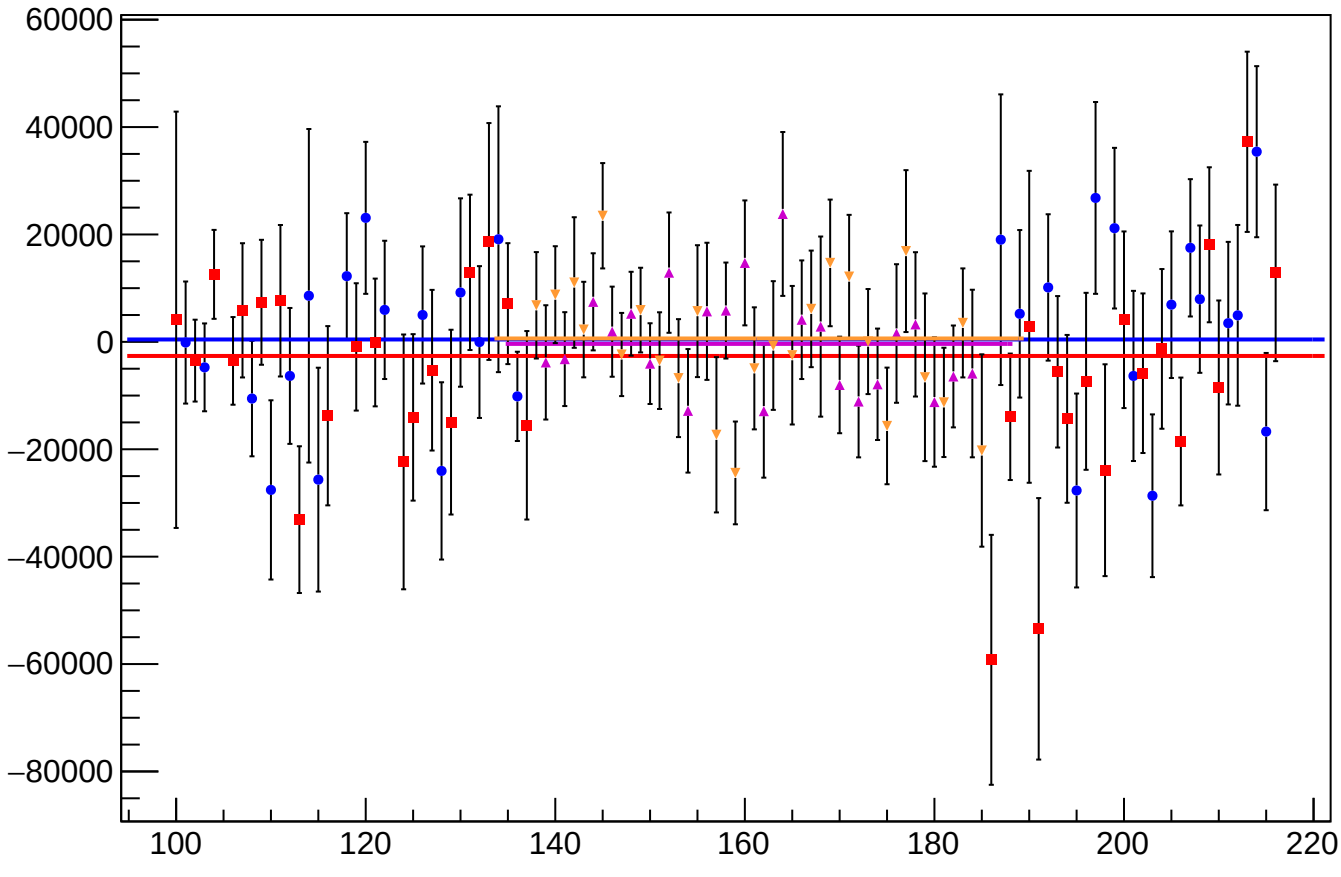
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2724.116+/-0.313 χ^2/NDF: 1313185.5/65

In: 2625.651+/-0.304 χ^2/NDF:787192.5/53

Out: 2626.576+/-0.300 χ^2/NDF:896785.7/59

All: 2626.120+/-0.214 χ^2/NDF: 1683982.9/11



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: -2623.977+/-2330.446 χ^2/NDF: 39.6/34

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

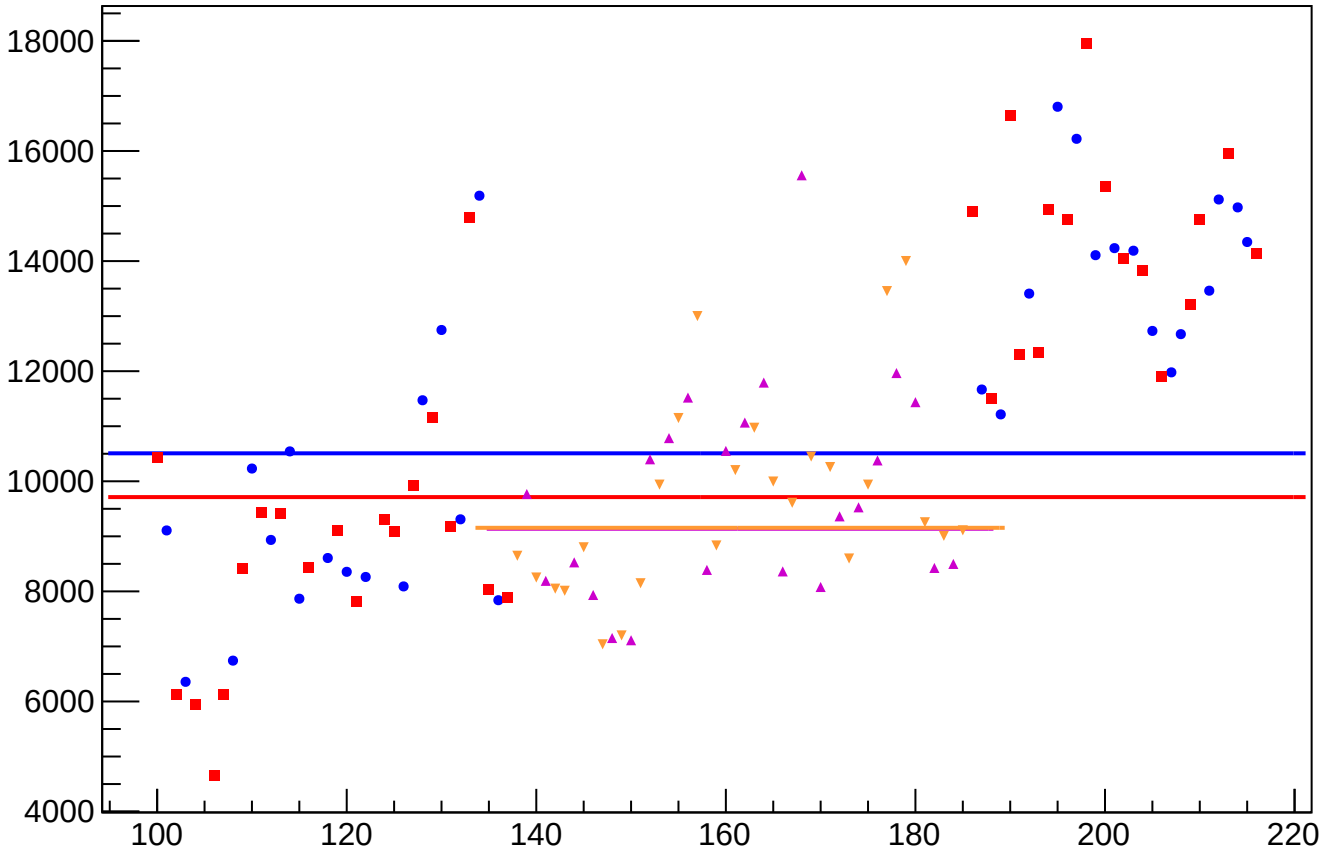
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -1196.367+/-1704.372 χ^2/NDF: 75.2/65

In: -22.859+/-1641.229 χ^2/NDF:49.1/53

Out: -845.077+/-1569.453 χ^2/NDF:67.3/59

All: -452.339+/-1134.297 χ^2/NDF: 116.6/113



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: 9712.832+/-1.648 χ^2/NDF: 4548214.6/34

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

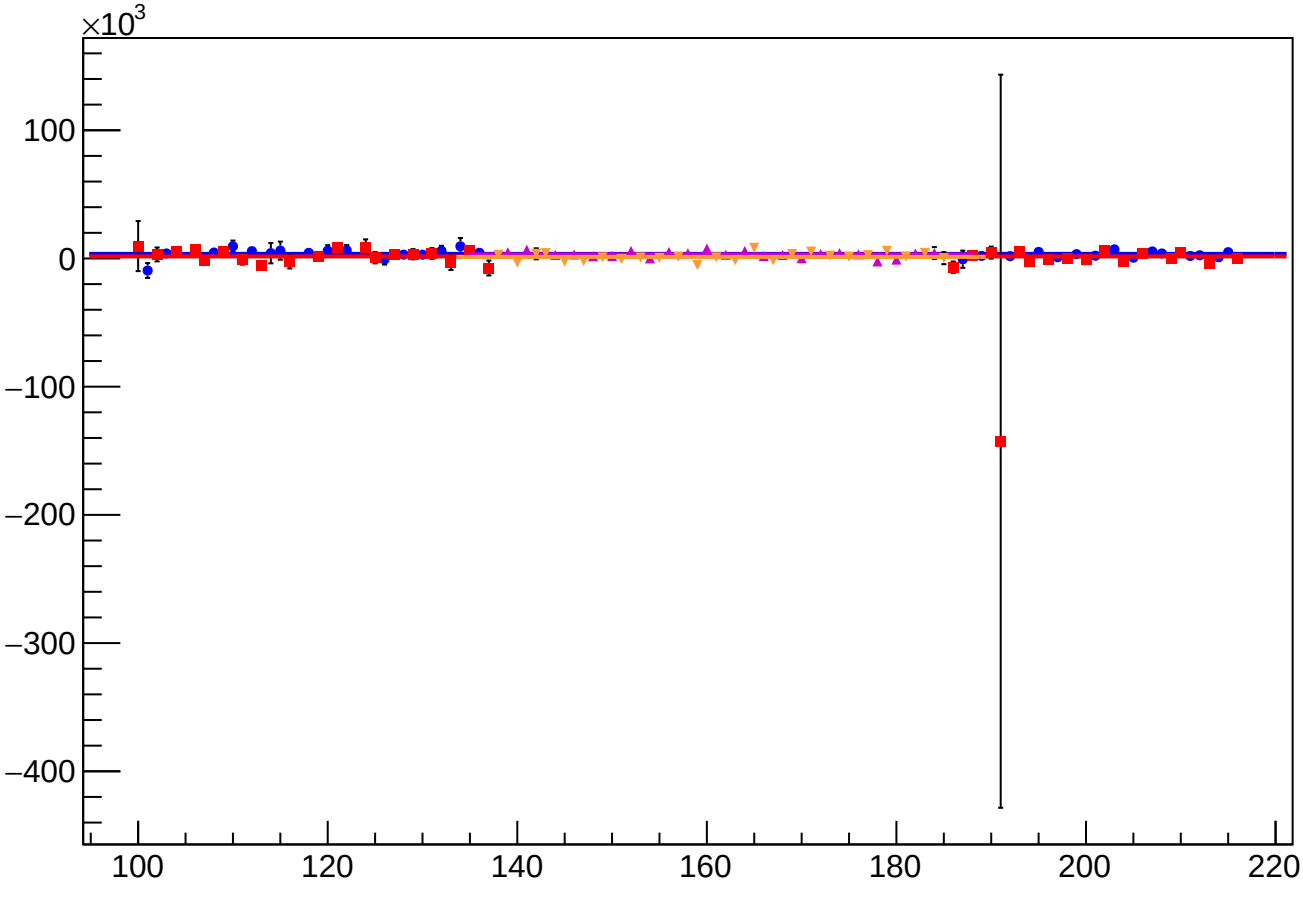
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 10082.663+/-1.205 χ^2/NDF: 7614561.3/65

In: 9728.621+/-1.161 χ^2/NDF:4472854.7/53

Out: 9407.830+/-1.110 χ^2/NDF:5682978.7/59

All: 9561.058+/-0.802 χ^2/NDF: 10195744.3/1



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: 1588.344+/-624.185 χ^2/NDF: 36.0/34

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

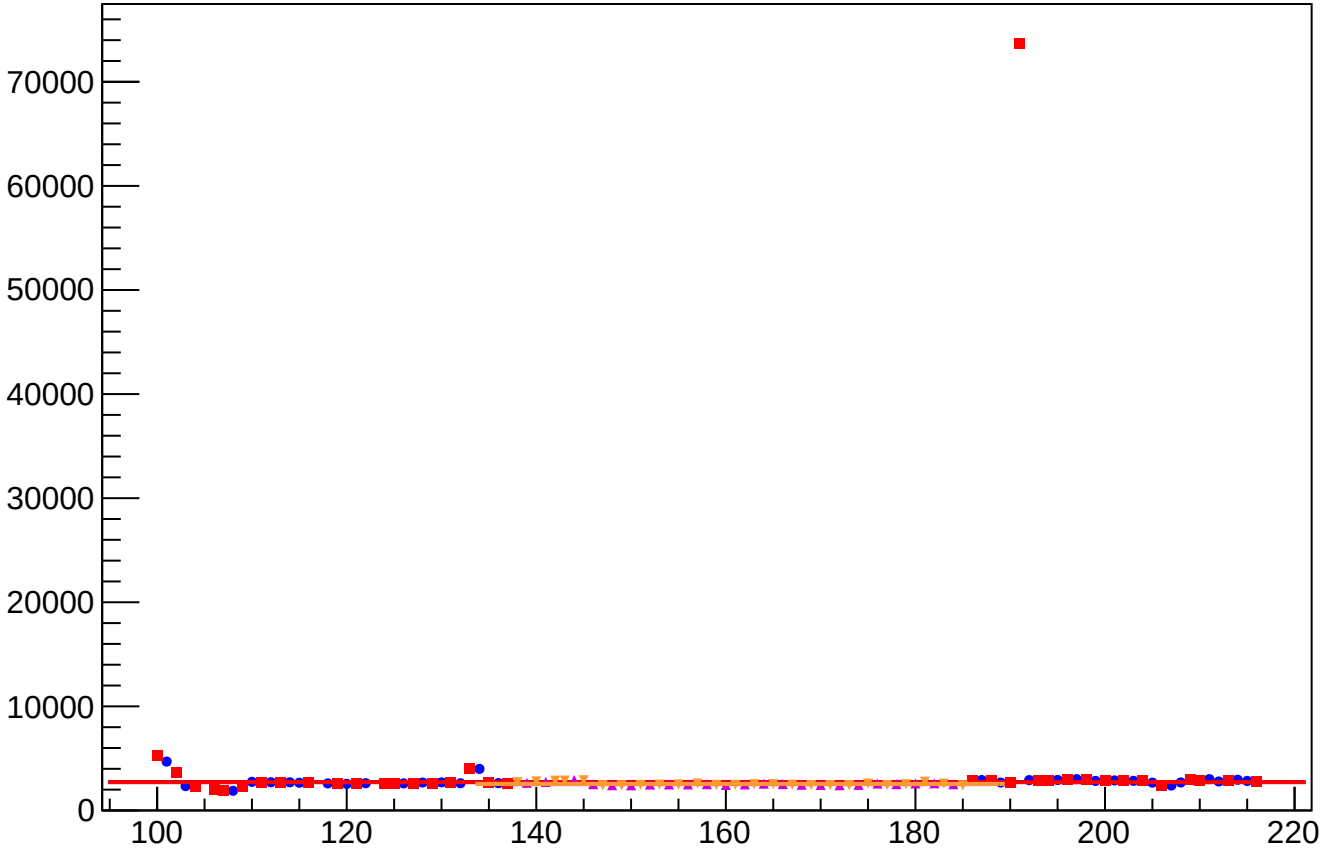
Right: 2584.203+/-442.220 χ^2/NDF: 57.9/65

In: 3356.665+/-430.367 χ^2/NDF:33.5/53

Out: 1387.283+/-424.764 χ^2/NDF:63.0/59

All: 2359.070+/-302.315 χ^2/NDF: 107.1/113

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: 2718.612+/-0.441 χ^2/NDF: 698441.1/34

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

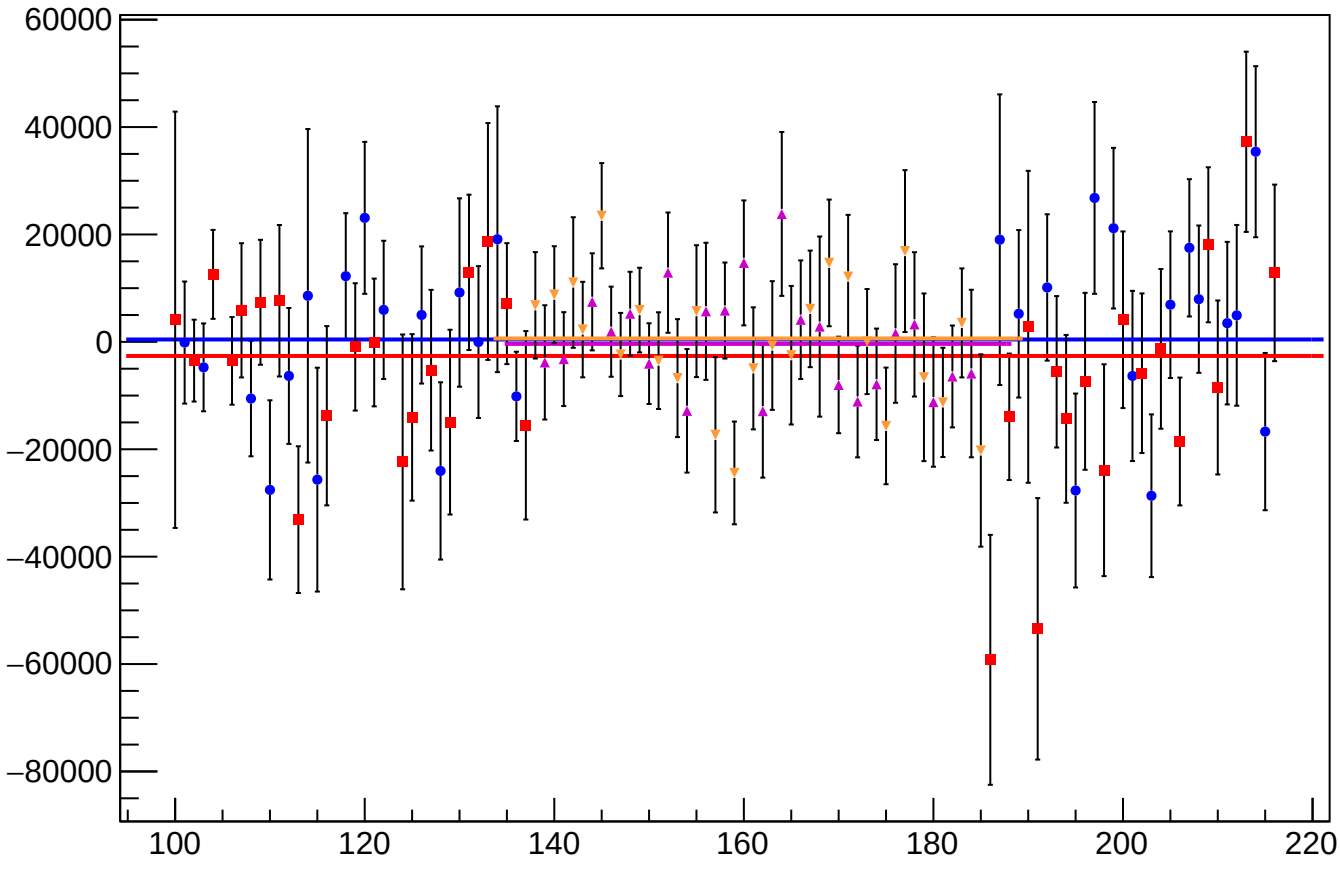
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2724.116+/-0.313 χ^2/NDF: 1313186.2/65

In: 2625.652+/-0.304 χ^2/NDF:787190.7/53

Out: 2626.577+/-0.300 χ^2/NDF:896784.0/59

All: 2626.121+/-0.214 χ^2/NDF: 1683979.4/11



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: -2623.971+/-2330.444 χ^2/NDF: 39.6/34

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

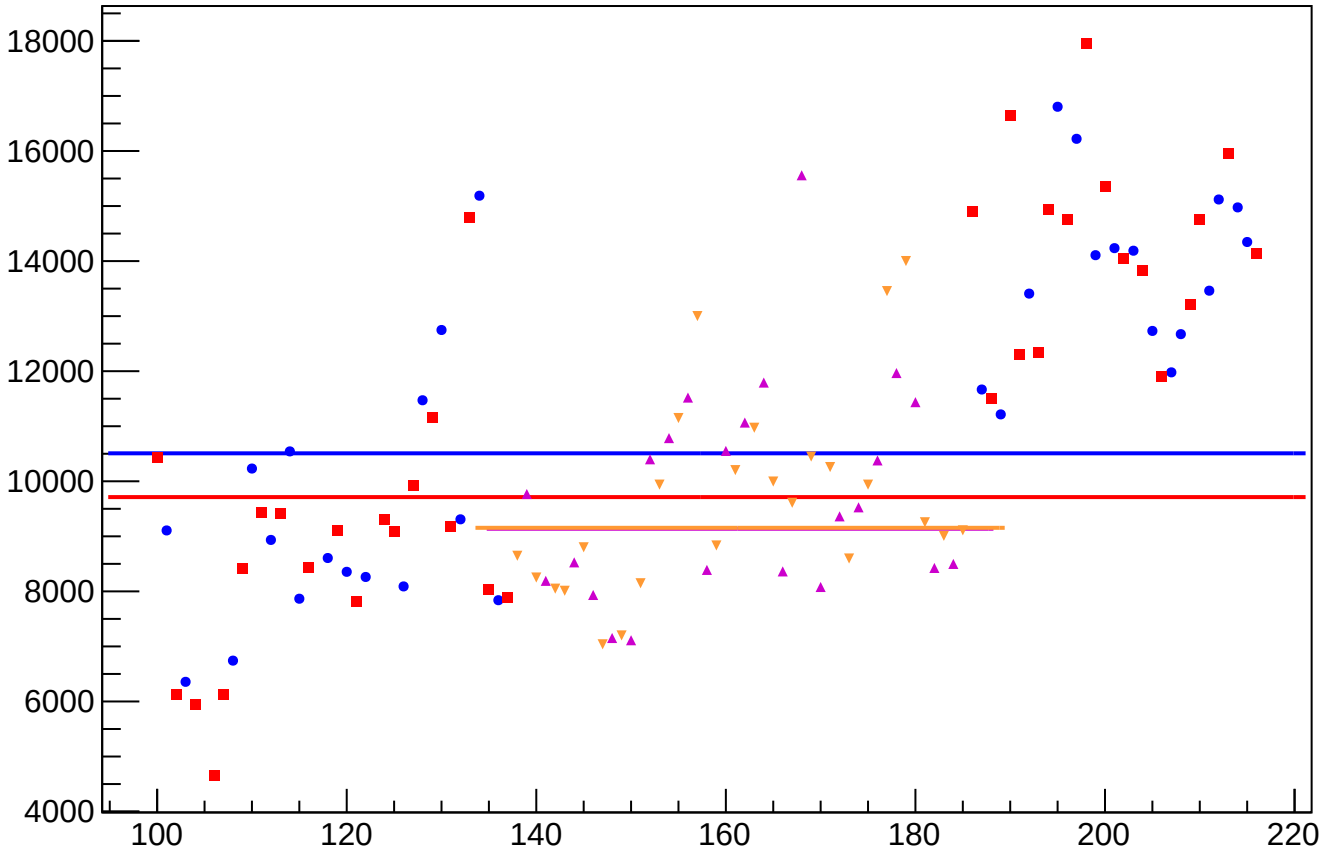
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -1196.358+/-1704.371 χ^2/NDF: 75.2/65

In: -22.855+/-1641.230 χ^2/NDF:49.1/53

Out: -845.080+/-1569.454 χ^2/NDF:67.3/59

All: -452.339+/-1134.298 χ^2/NDF: 116.6/113



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: 9712.822+/-1.648 χ^2/NDF: 4548238.6/34

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

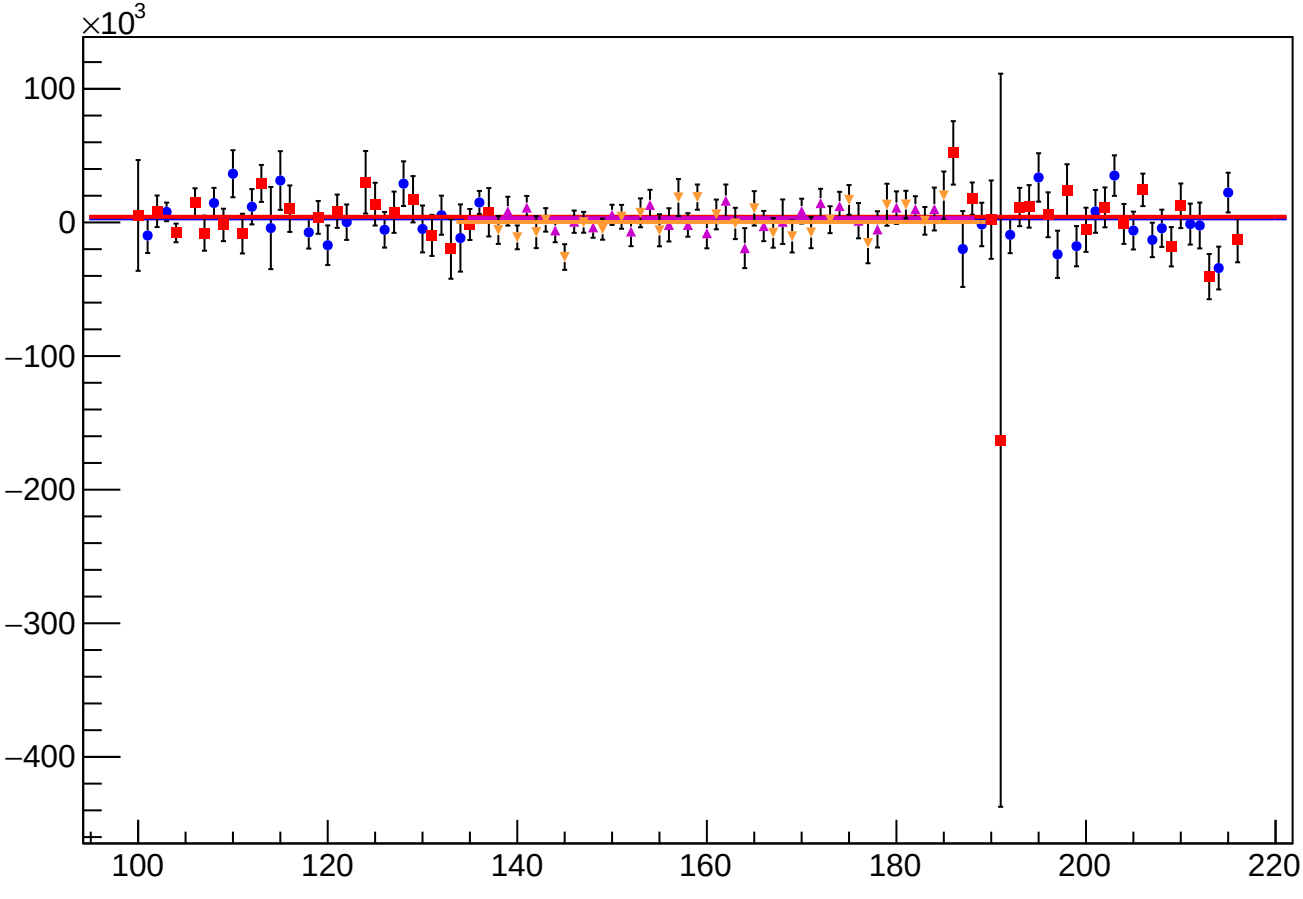
Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

Right: 10082.655+/-1.205 χ^2/NDF: 7614603.8/65

In: 9728.628+/-1.161 χ^2/NDF:4472865.8/53

Out: 9407.835+/-1.110 χ^2/NDF:5682999.1/59

All: 9561.063+/-0.802 χ^2/NDF: 10195776.4/1



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: 4235.347+/-2457.058 χ^2/NDF: 35.3/34

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

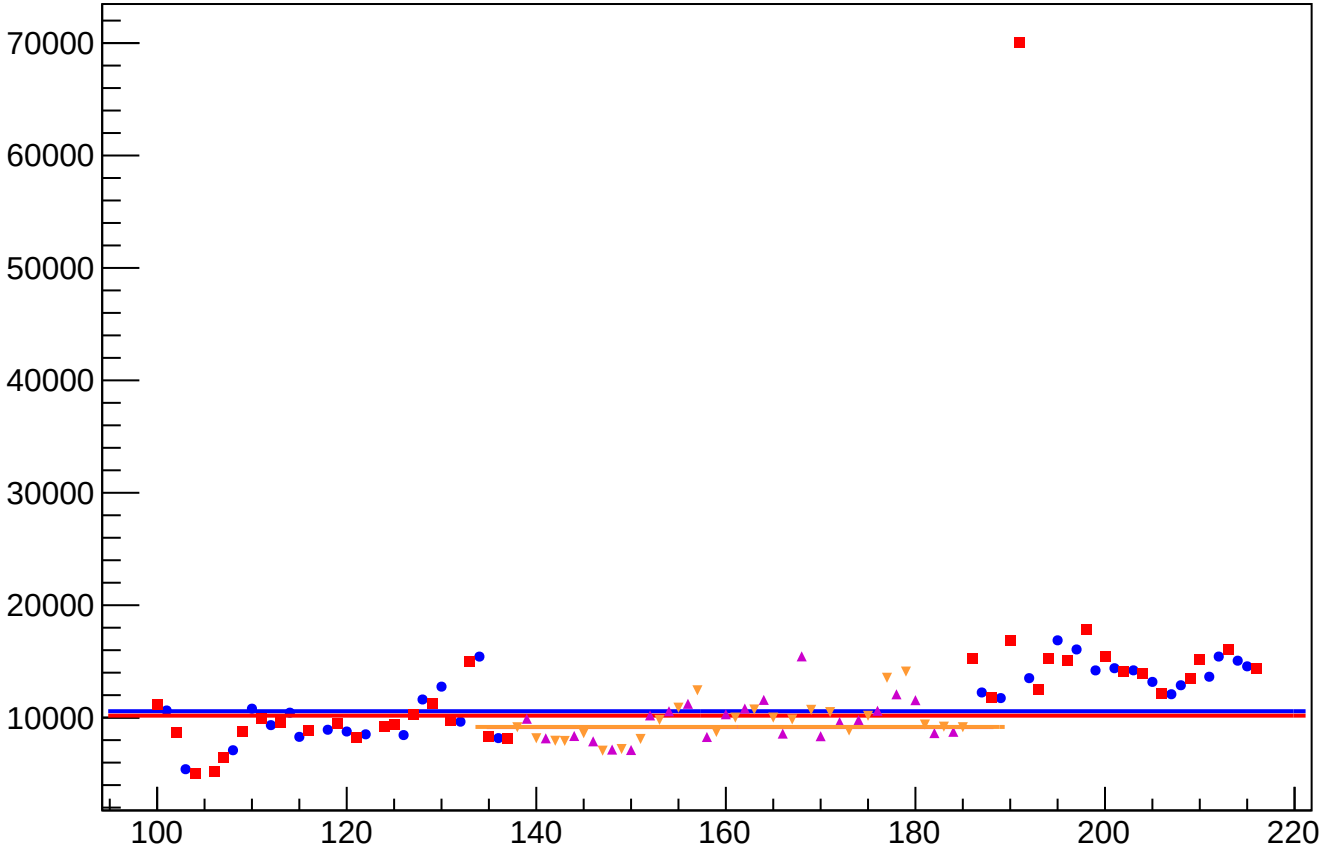
Right: 3658.611+/-1761.282 χ^2/NDF: 74.3/65

In: 3154.863+/-1650.315 χ^2/NDF:52.4/53

Out: 1981.481+/-1607.445 χ^2/NDF:63.1/59

All: 2552.734+/-1151.493 χ^2/NDF: 115.8/113

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: 10177.523+/-1.737 χ^2/NDF: 4288309.5/34

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

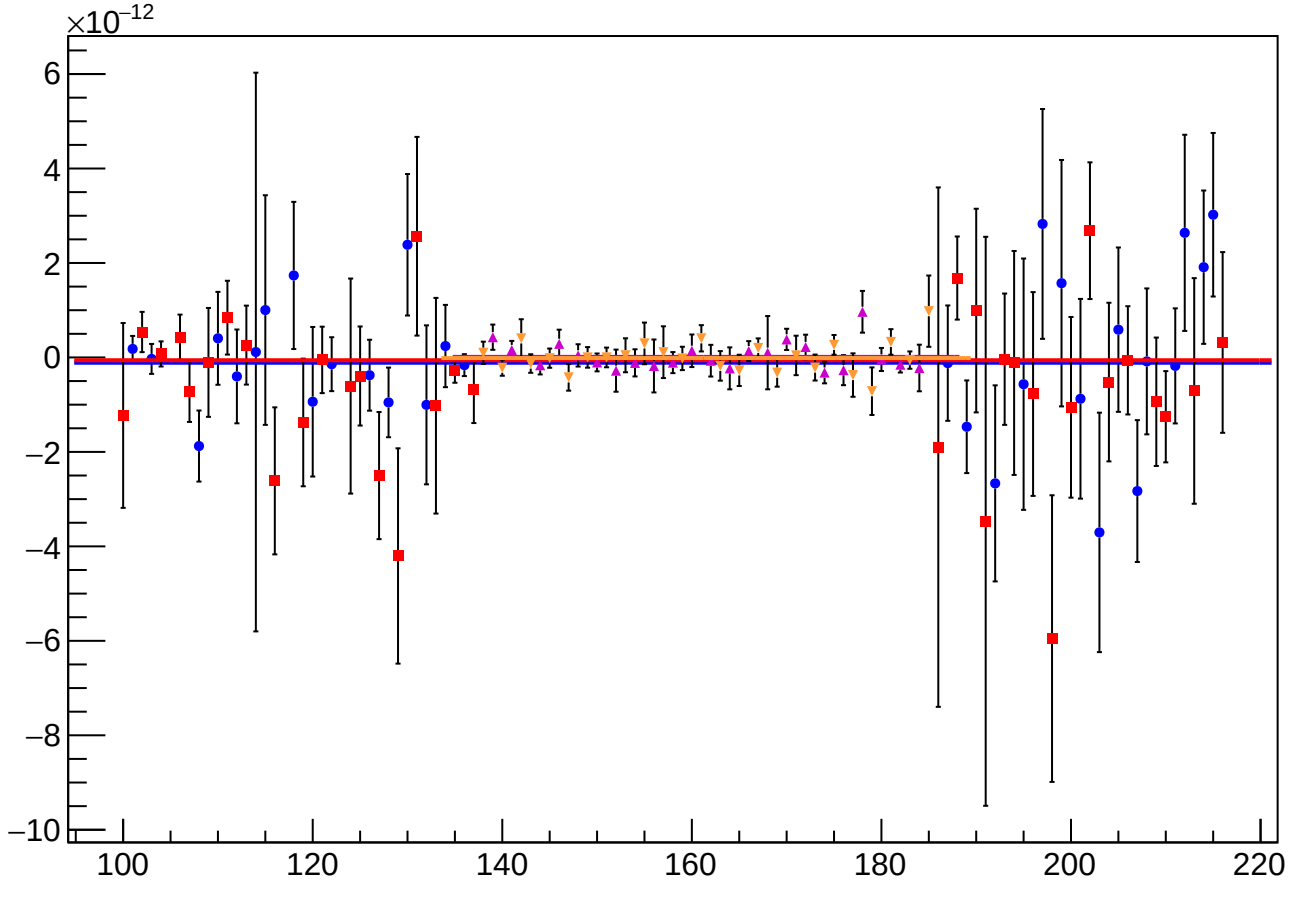
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 10368.994+/-1.245 χ^2/NDF: 7656905.2/65

In: 9763.723+/-1.167 χ^2/NDF:4827857.6/53

Out: 9602.844+/-1.137 χ^2/NDF:5536539.8/59

All: 9681.166+/-0.814 χ^2/NDF: 10374150.6/1



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: 34.1/34

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

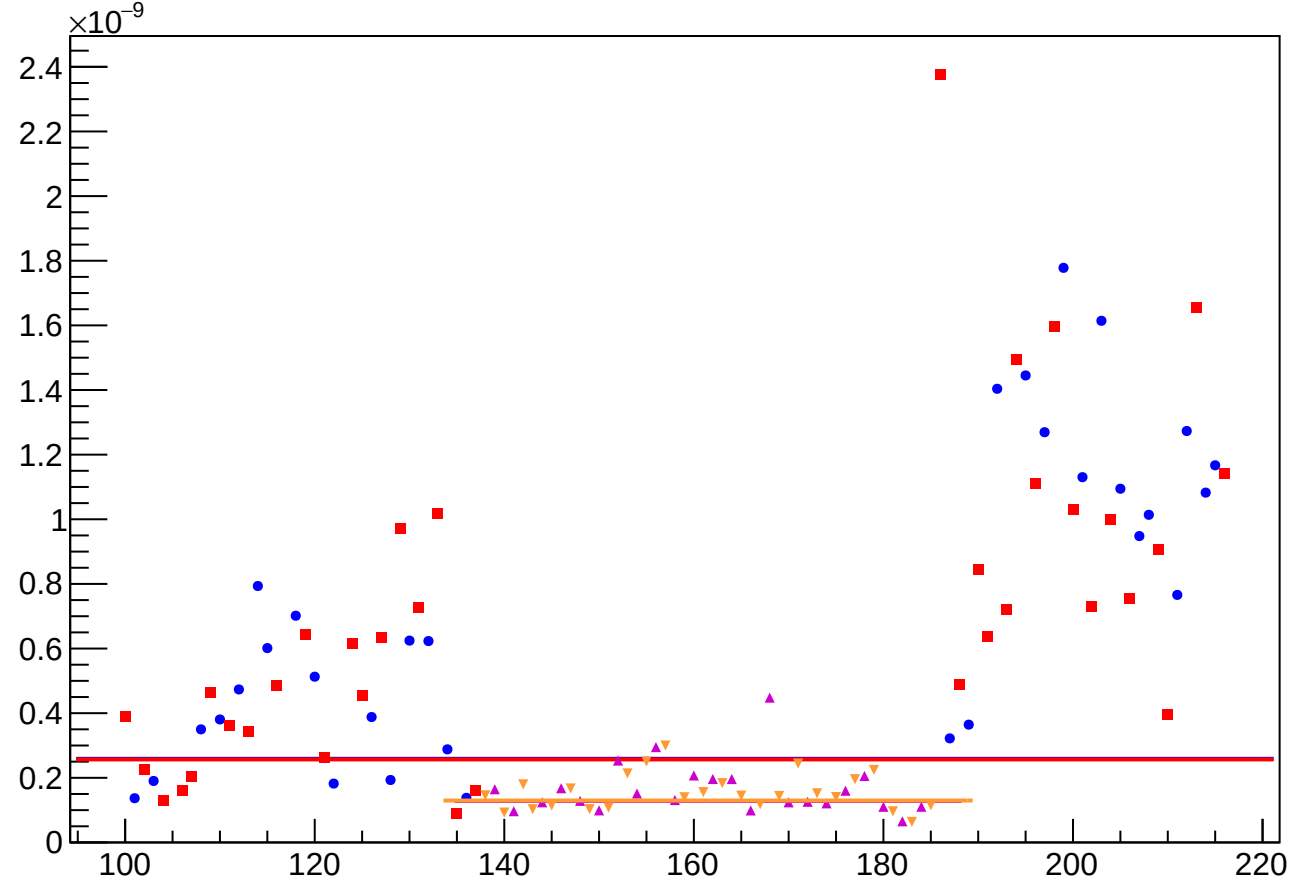
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/65

In: -0.000+/-0.000 χ^2/NDF:51.1/53

Out: -0.000+/-0.000 χ^2/NDF:53.6/59

All: -0.000+/-0.000 χ^2/NDF: 104.7/113



Right In: 0.000+/-0.000 χ^2/NDF: 7997624.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7486358.4/34

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

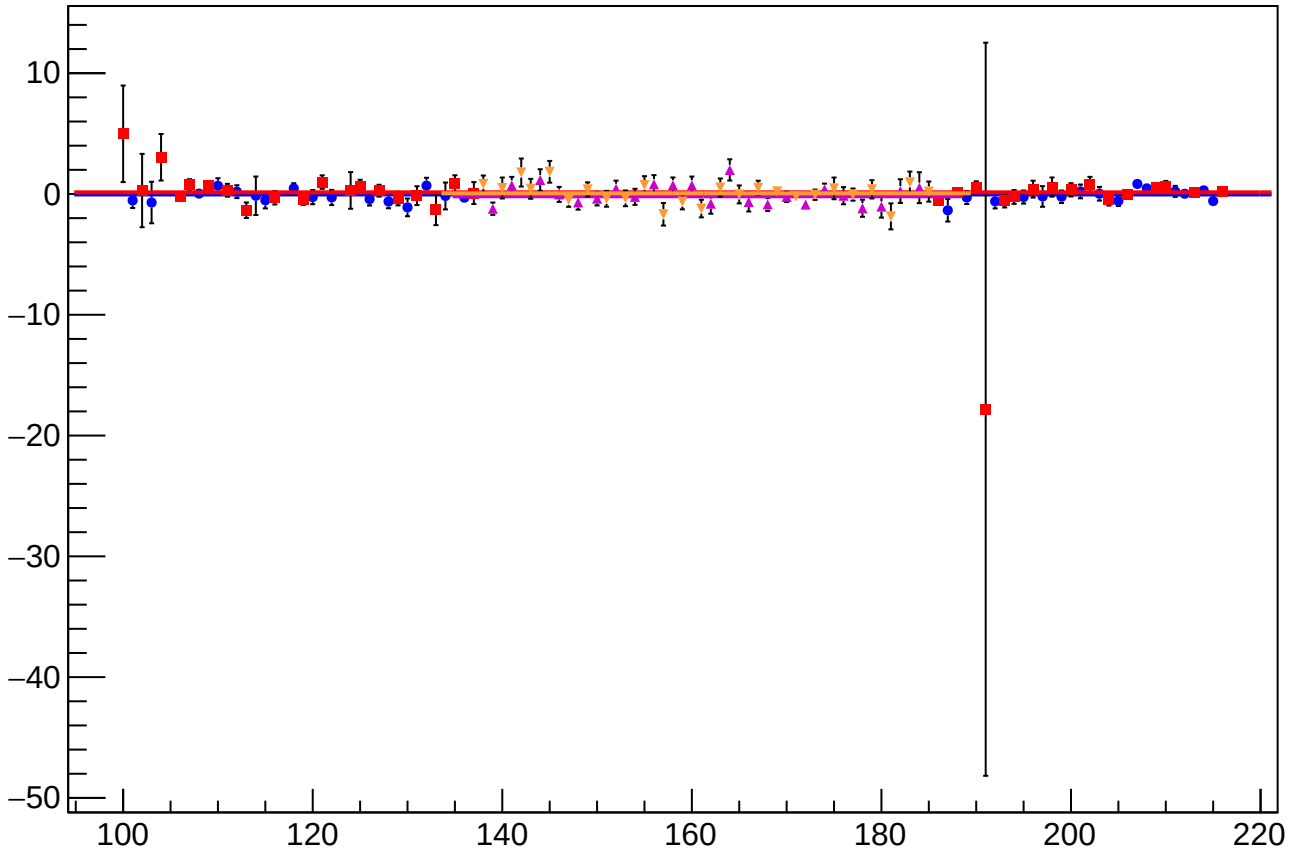
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15484193.0/65

In: 0.000+/-0.000 χ^2/NDF:11275038.0/53

Out: 0.000+/-0.000 χ^2/NDF:10495897.2/59

All: 0.000+/-0.000 χ^2/NDF: 21771312.5/113



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: 0.139+/-0.084 χ^2/NDF: 36.9/34

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

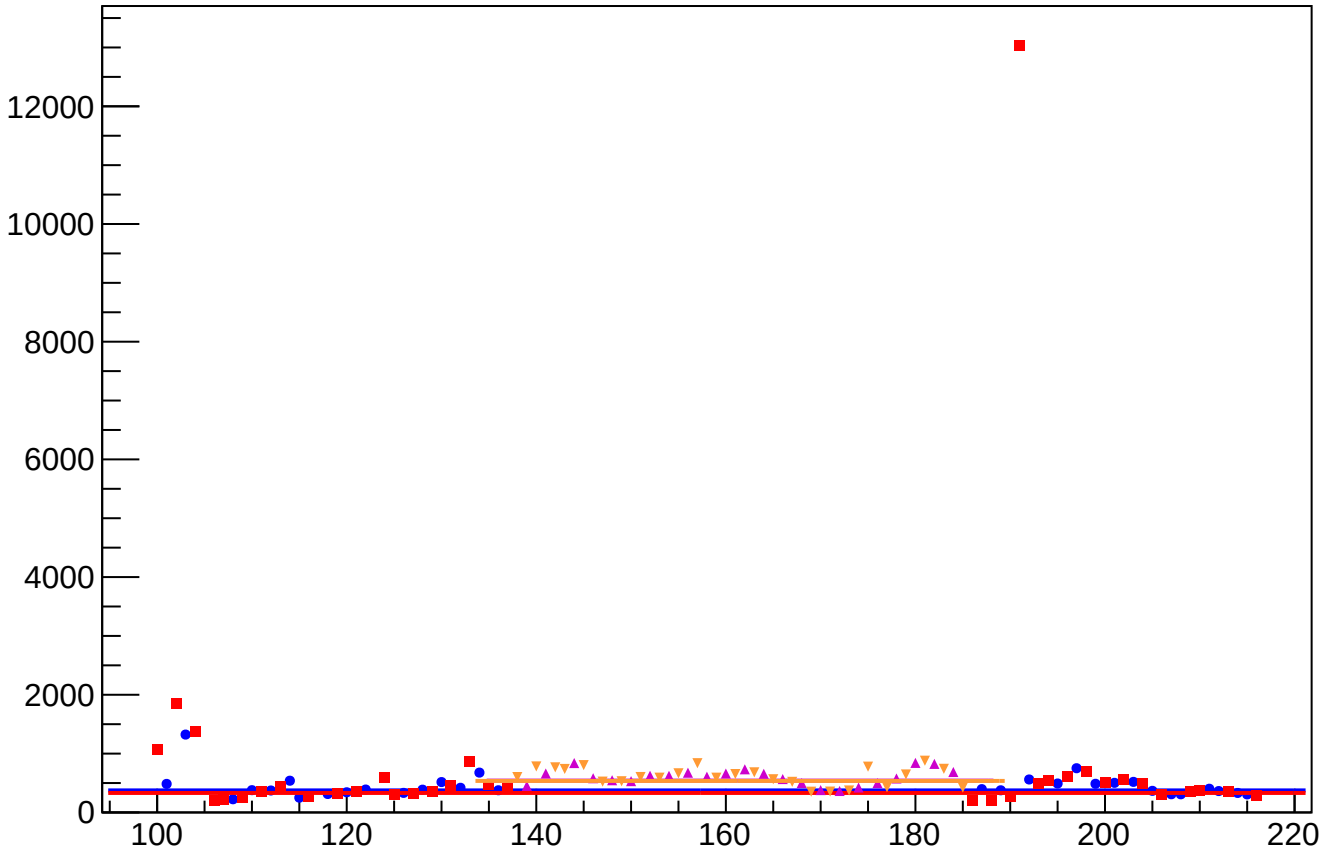
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.057+/-0.061 χ^2/NDF: 67.3/65

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.114+/-0.070 χ^2/NDF:61.9/59

All: 0.020+/-0.051 χ^2/NDF: 126.1/113



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: 331.675+/-0.059 χ^2/NDF: 5552007.5/34

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

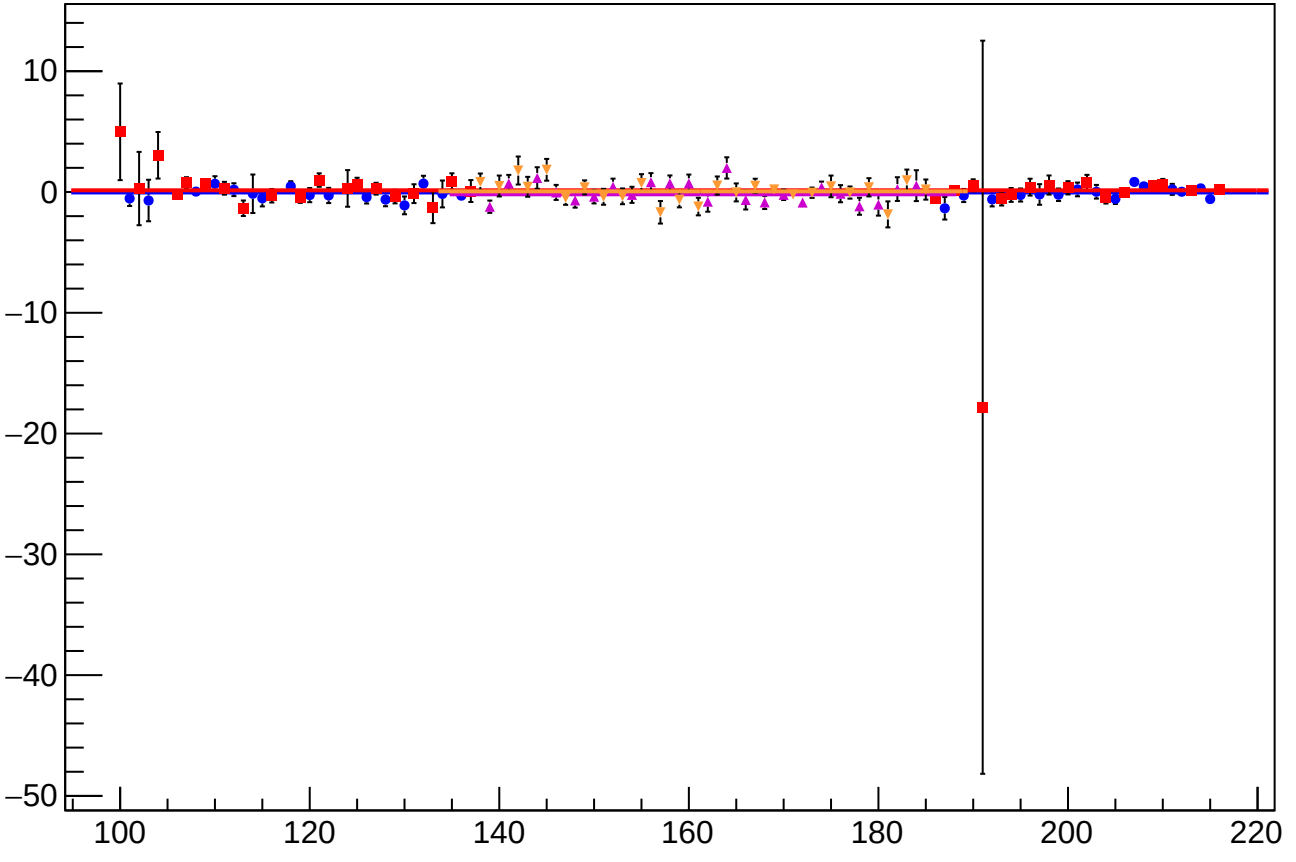
Right: 351.501+/-0.043 χ^2/NDF: 8485628.5/65

In: 427.352+/-0.053 χ^2/NDF:6719457.1/53

Out: 391.785+/-0.050 χ^2/NDF:11813528.8/59

All: 408.426+/-0.036 χ^2/NDF: 18772868.3/11

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: 0.139+/-0.084 χ^2/NDF: 36.9/34

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

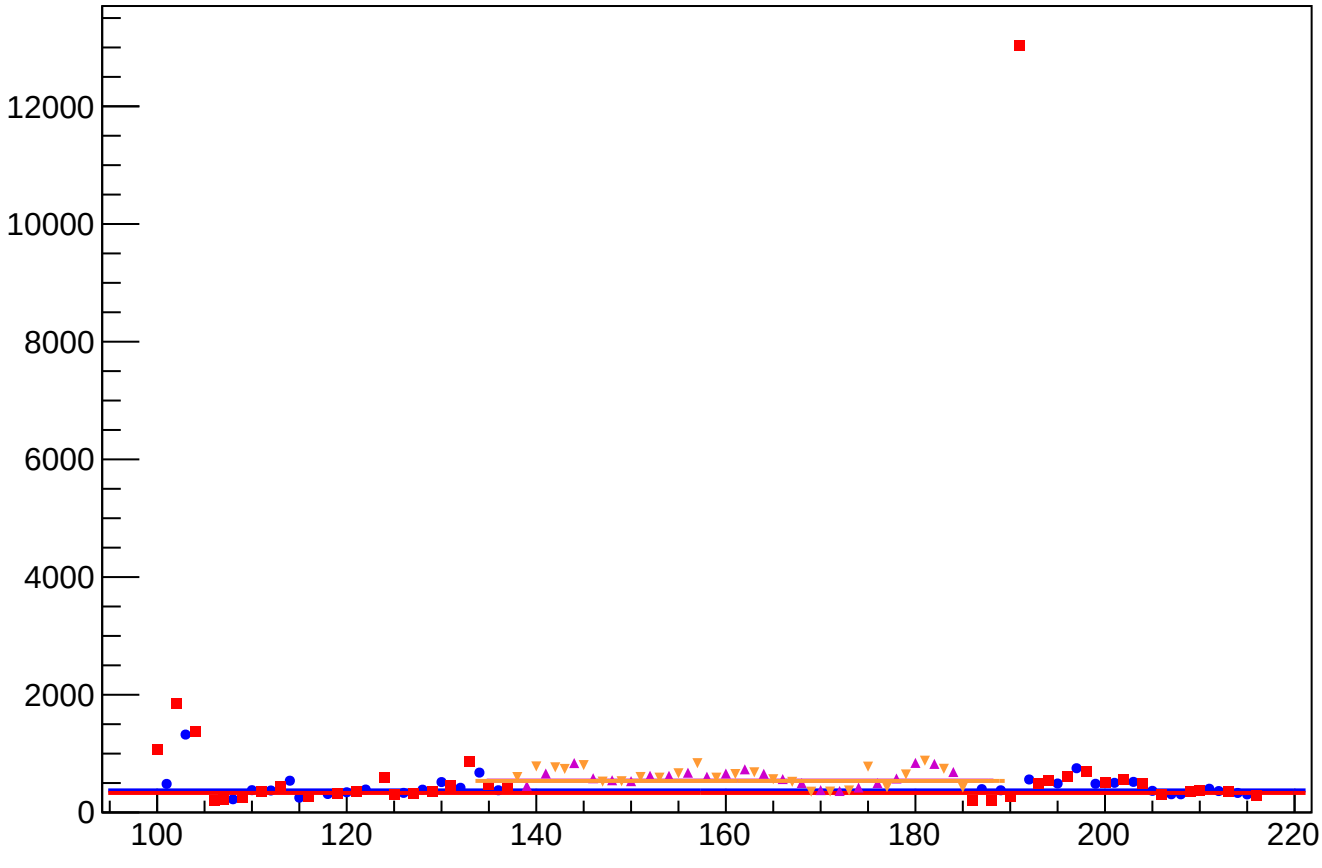
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.057+/-0.061 χ^2/NDF: 67.3/65

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.114+/-0.070 χ^2/NDF:61.9/59

All: 0.020+/-0.051 χ^2/NDF: 126.1/113



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: 331.675+/-0.059 χ^2/NDF: 5552007.5/34

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

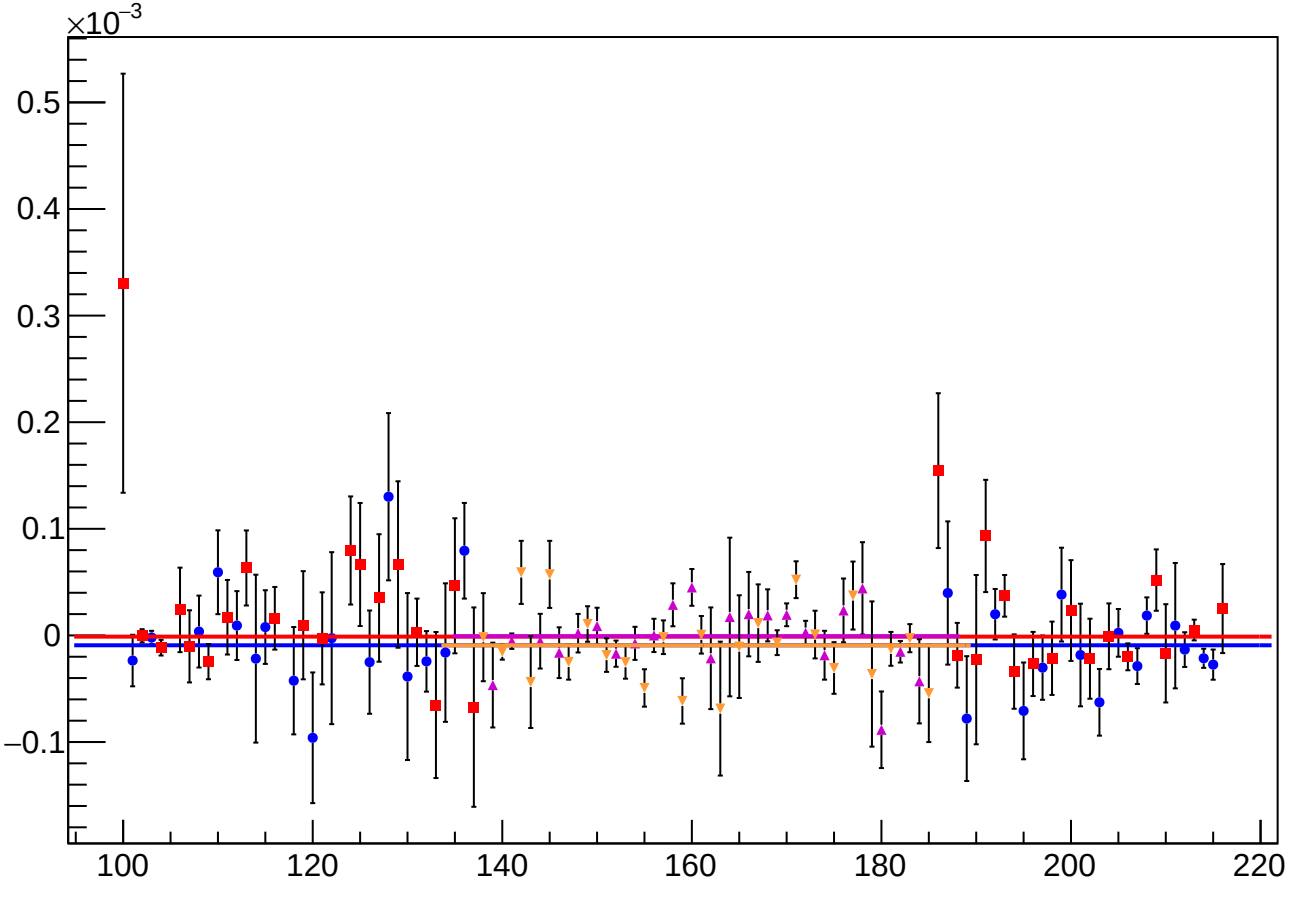
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 351.501+/-0.043 χ^2/NDF: 8485628.5/65

In: 427.352+/-0.053 χ^2/NDF:6719457.1/53

Out: 391.785+/-0.050 χ^2/NDF:11813528.8/59

All: 408.426+/-0.036 χ^2/NDF: 18772868.3/11



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: 39.5/34

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

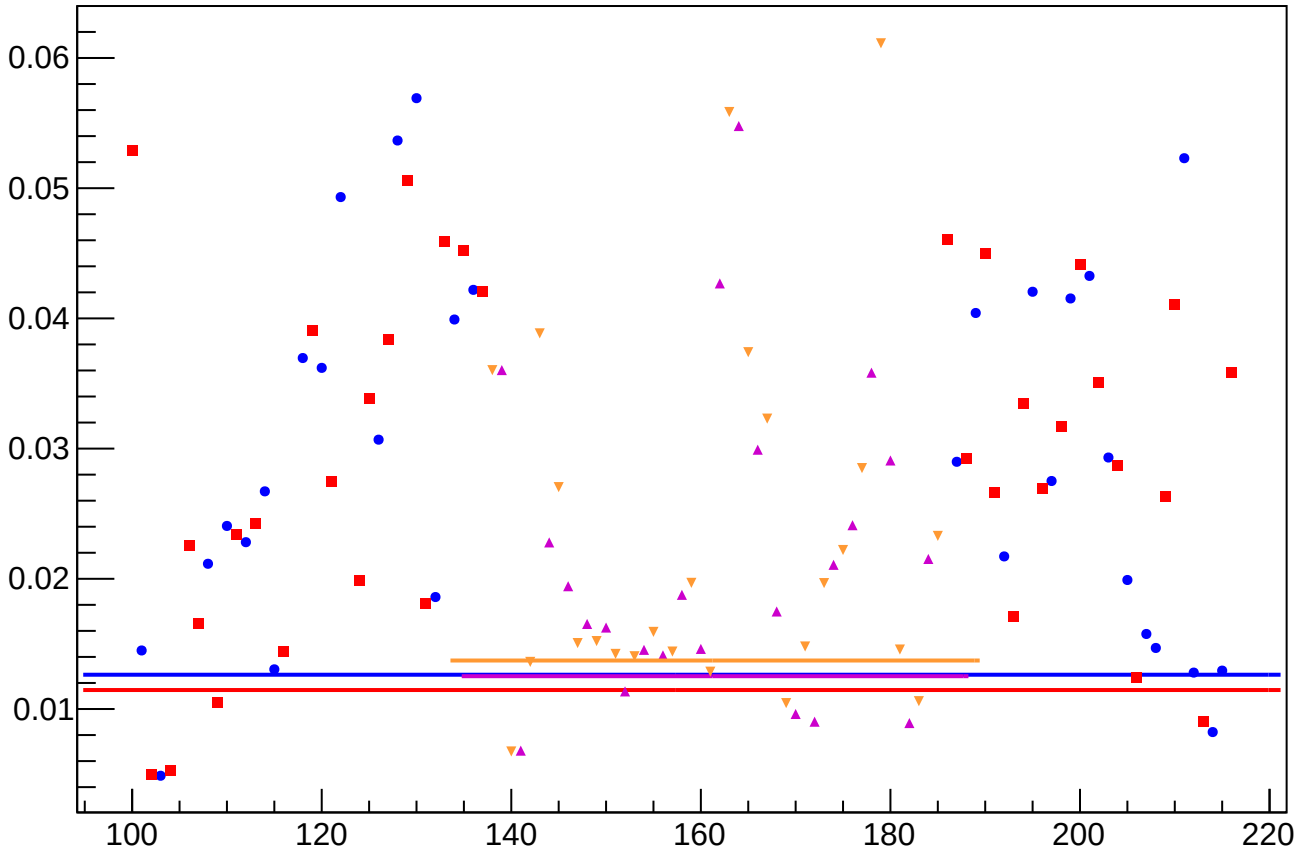
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 75.4/65

In: -0.000+/-0.000 χ^2/NDF:66.1/53

Out: -0.000+/-0.000 χ^2/NDF:87.3/59

All: -0.000+/-0.000 χ^2/NDF: 153.5/113



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: 16292900.9/34

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

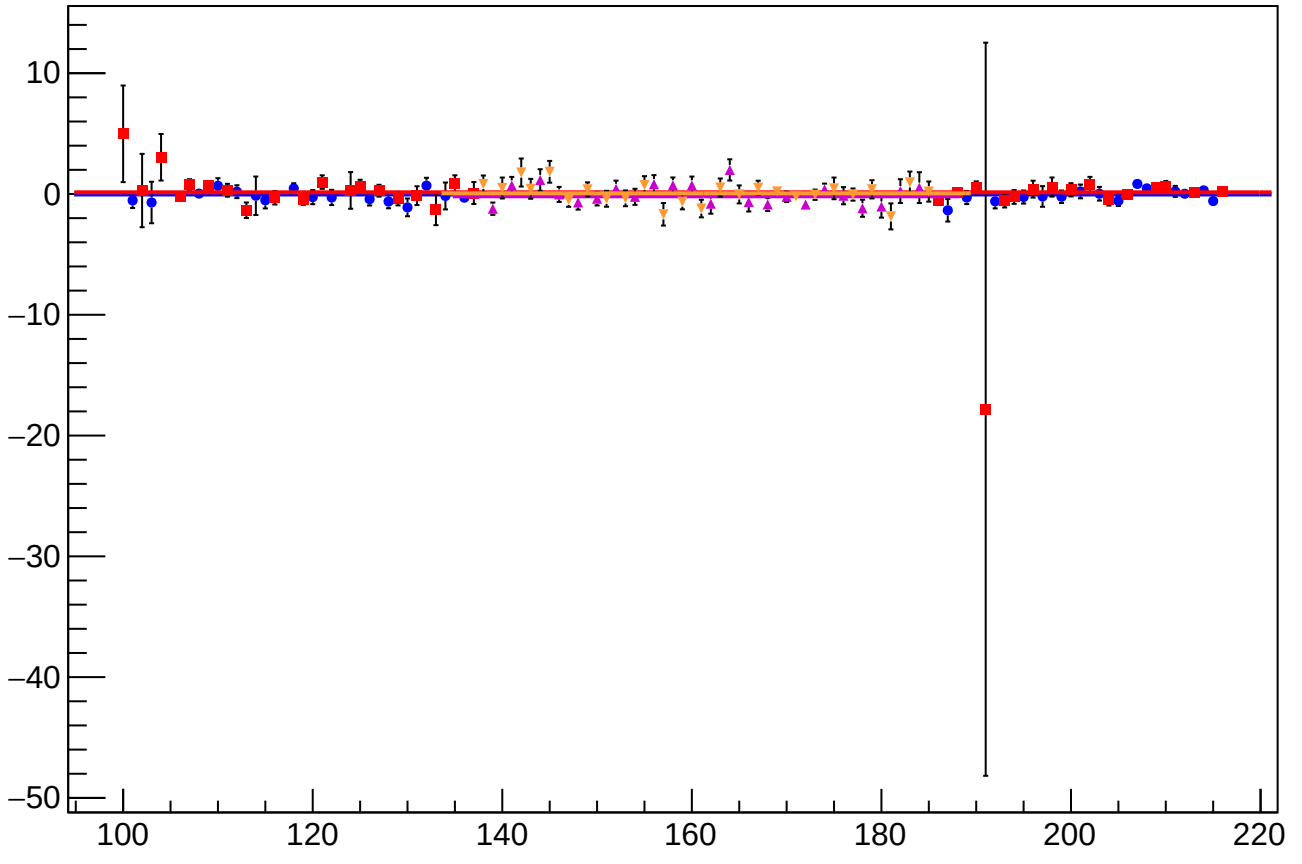
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 30117269.6/65

In: 0.013+/-0.000 χ^2/NDF:20840783.0/53

Out: 0.013+/-0.000 χ^2/NDF:24424700.1/59

All: 0.013+/-0.000 χ^2/NDF: 45265633.4/113



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: 0.139+/-0.084 χ^2/NDF: 36.9/34

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

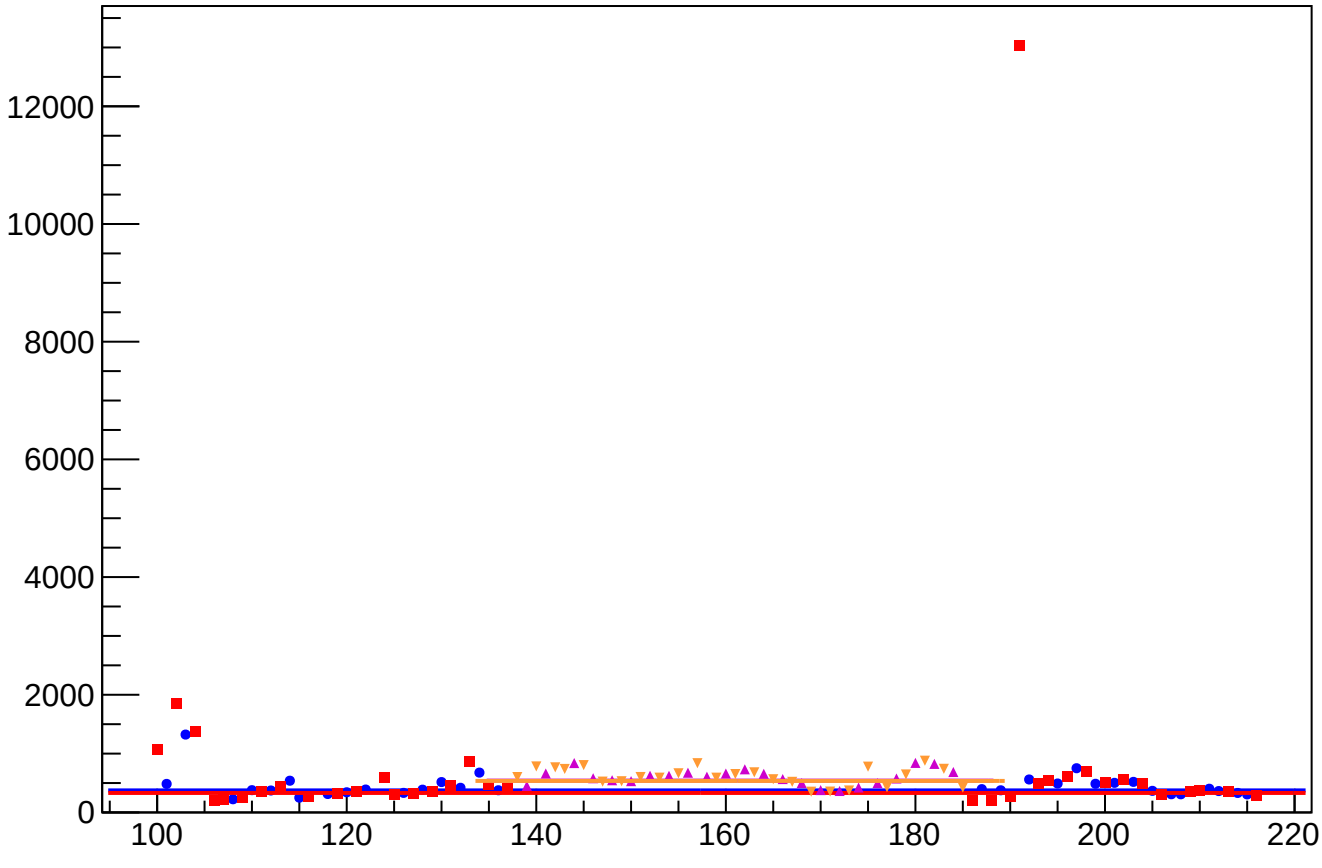
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.057+/-0.061 χ^2/NDF: 67.3/65

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.114+/-0.070 χ^2/NDF:61.9/59

All: 0.020+/-0.051 χ^2/NDF: 126.1/113



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: 331.675+/-0.059 χ^2/NDF: 5551959.3/34

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

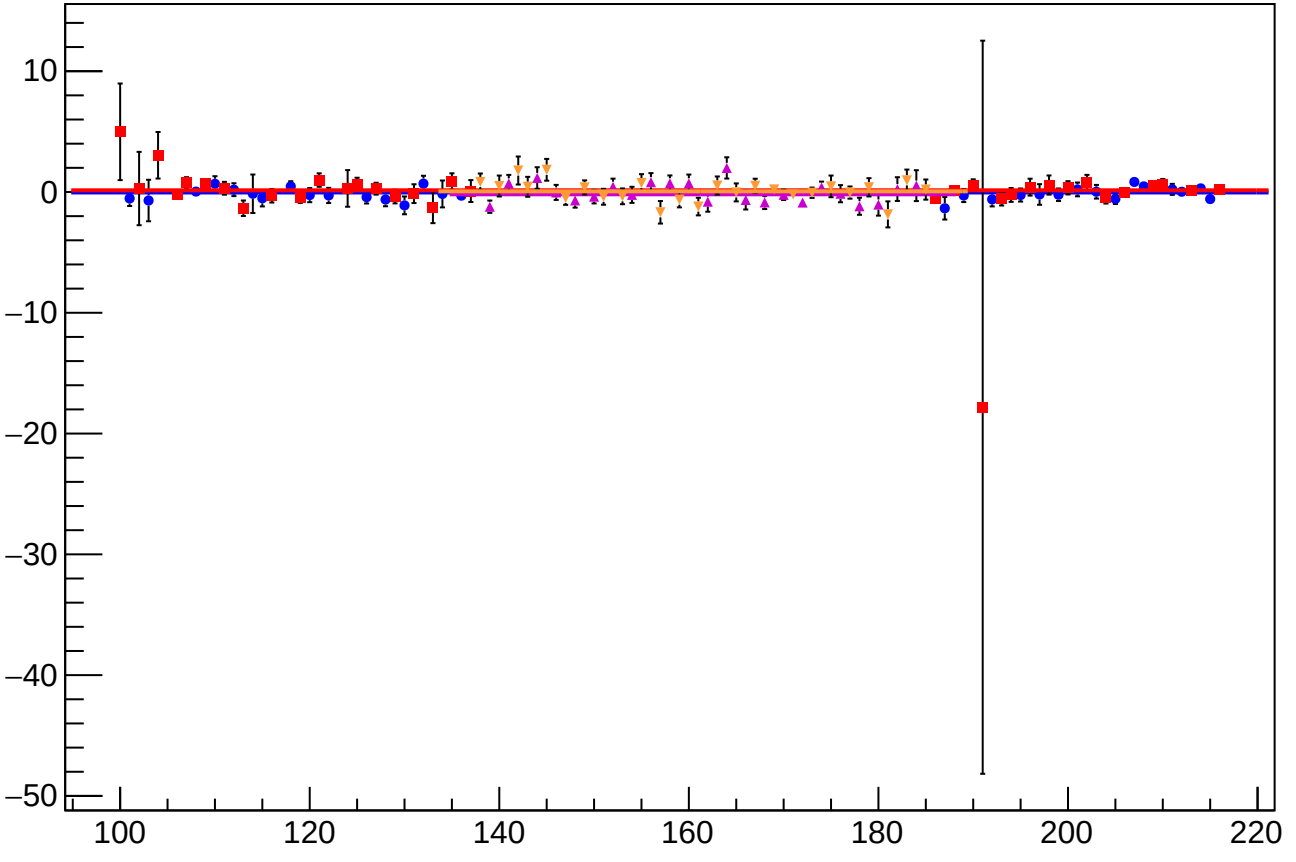
Right: 351.500+/-0.043 χ^2/NDF: 8485595.3/65

In: 427.351+/-0.053 χ^2/NDF:6719692.5/53

Out: 391.785+/-0.050 χ^2/NDF:11813689.7/59

All: 408.426+/-0.036 χ^2/NDF: 18773249.9/11

asym_atr2_eigen_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: 0.139+/-0.084 χ^2/NDF: 36.9/34

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

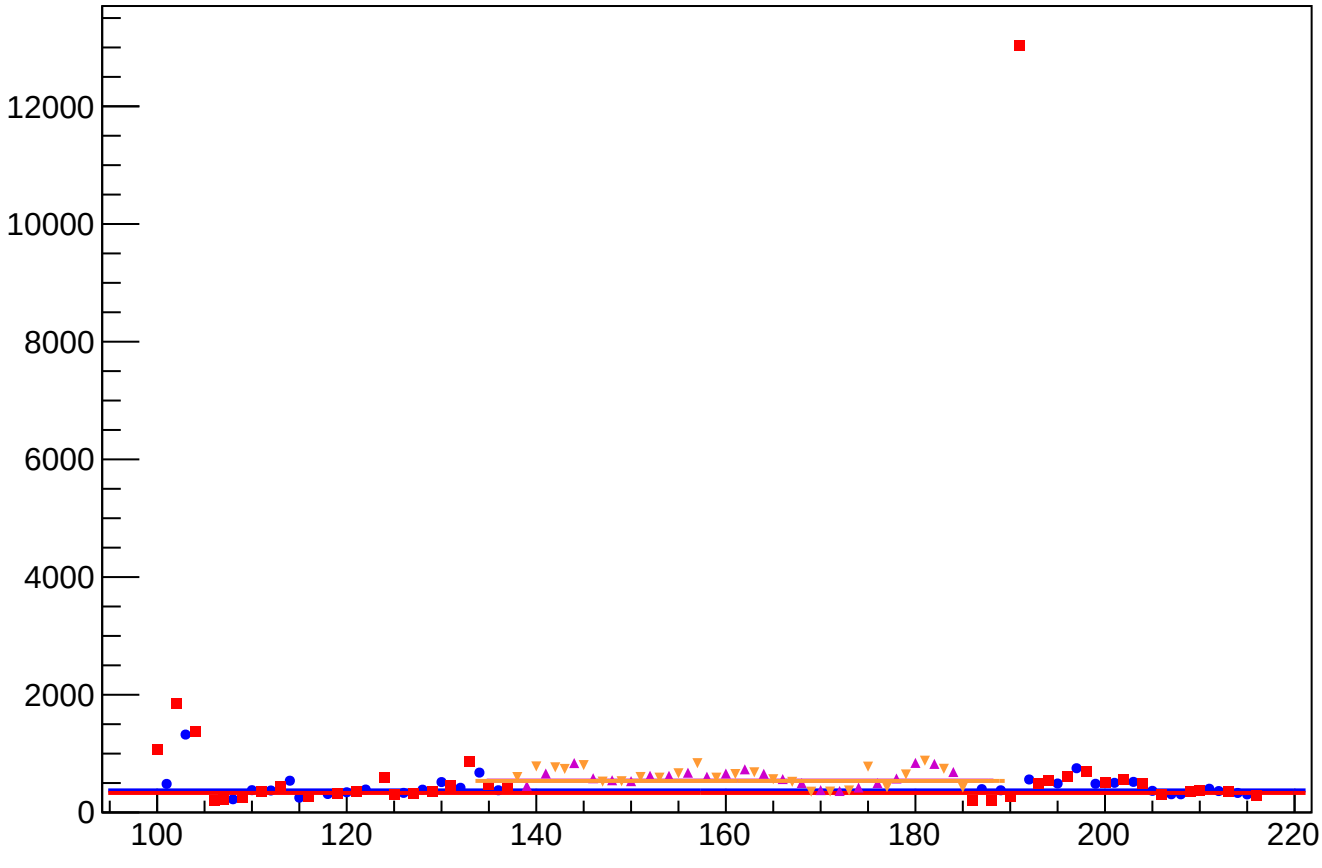
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.057+/-0.061 χ^2/NDF: 67.3/65

In: -0.087+/-0.075 χ^2/NDF:60.3/53

Out: 0.114+/-0.070 χ^2/NDF:61.9/59

All: 0.020+/-0.051 χ^2/NDF: 126.1/113



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: 331.675+/-0.059 χ^2/NDF: 5551959.3/34

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

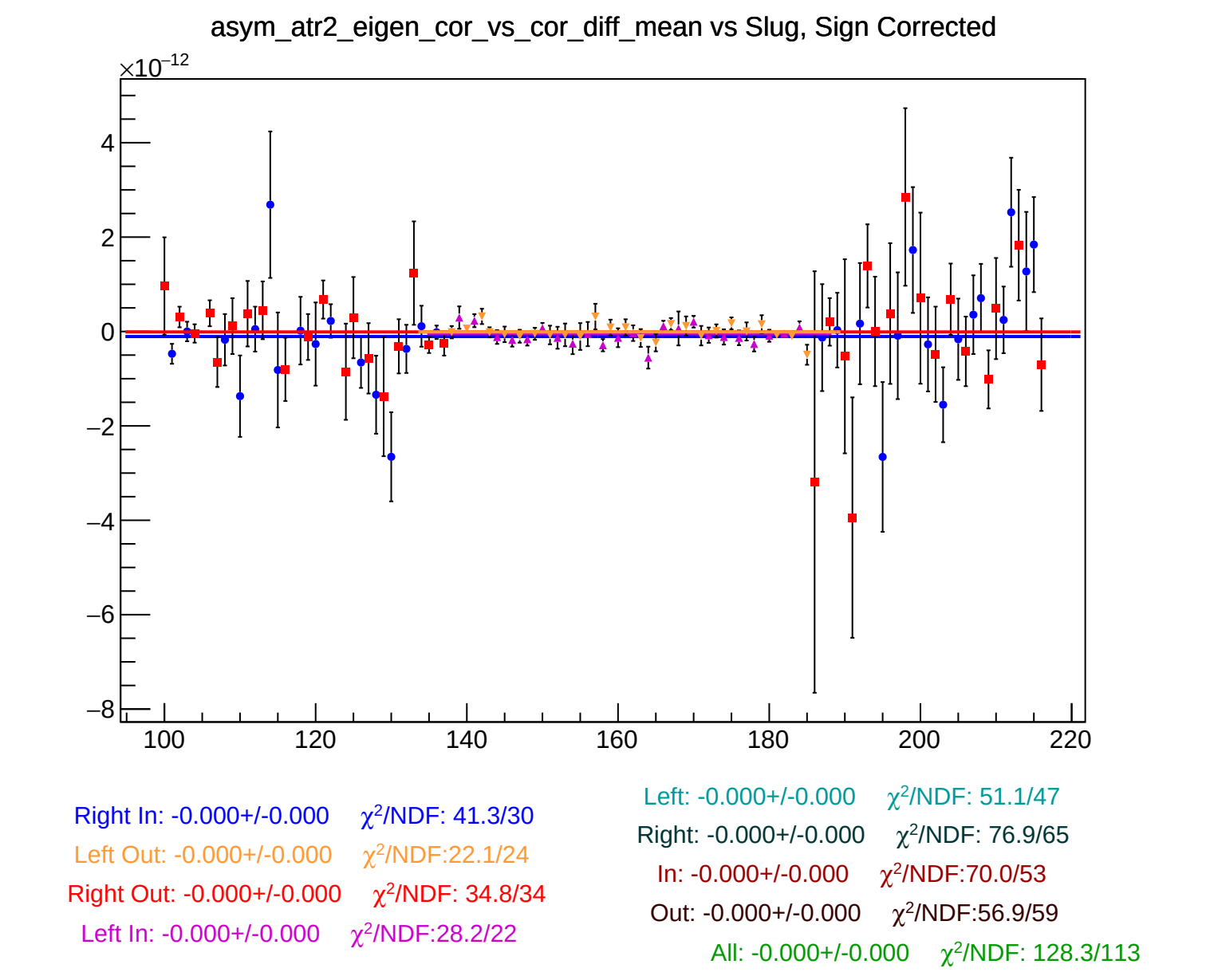
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

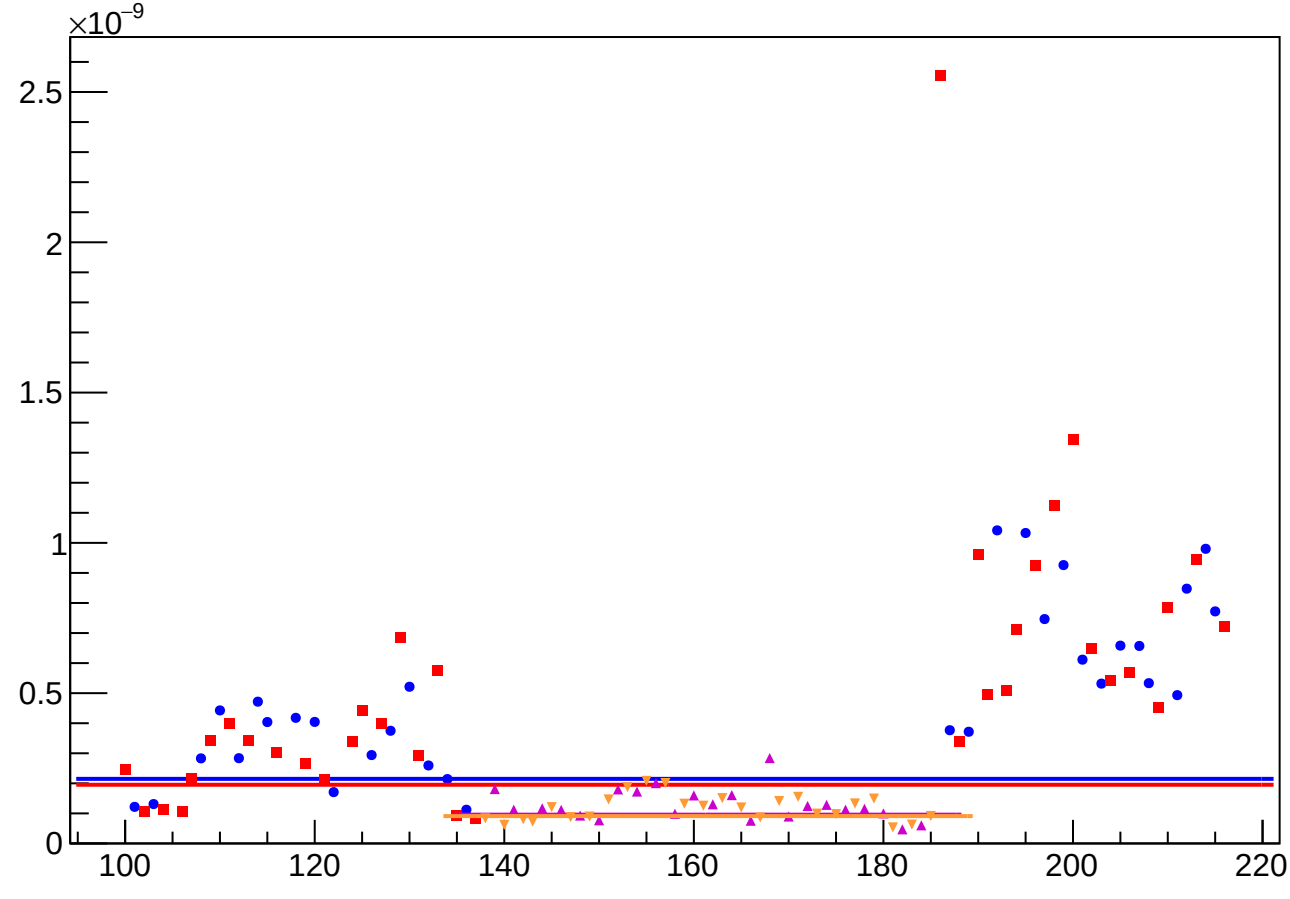
Right: 351.500+/-0.043 χ^2/NDF: 8485595.3/65

In: 427.351+/-0.053 χ^2/NDF:6719692.5/53

Out: 391.785+/-0.050 χ^2/NDF:11813689.7/59

All: 408.426+/-0.036 χ^2/NDF: 18773249.9/11


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 41.3/30
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.8/34
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: 76.9/65
In: -0.000+/-0.000 χ²/NDF:70.0/53
Out: -0.000+/-0.000 χ²/NDF:56.9/59
All: -0.000+/-0.000 χ²/NDF: 128.3/113



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: 10592954.7/34

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

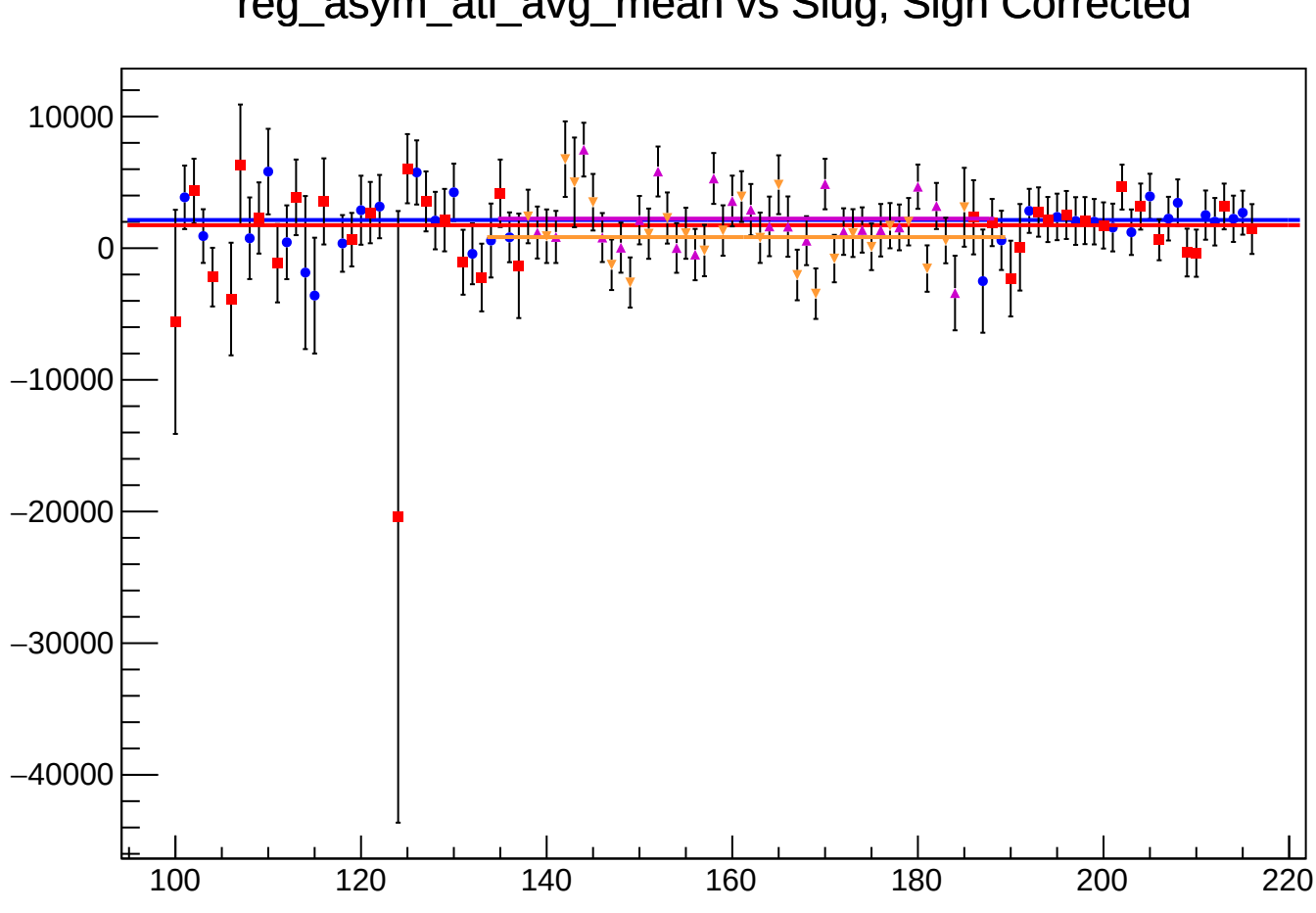
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 20077453.1/65

In: 0.000+/-0.000 χ^2/NDF:17049416.5/53

Out: 0.000+/-0.000 χ^2/NDF:17078613.3/59

All: 0.000+/-0.000 χ^2/NDF: 34190378.9/113



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: 1746.513+/-379.332 χ^2/NDF: 29.8/34

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

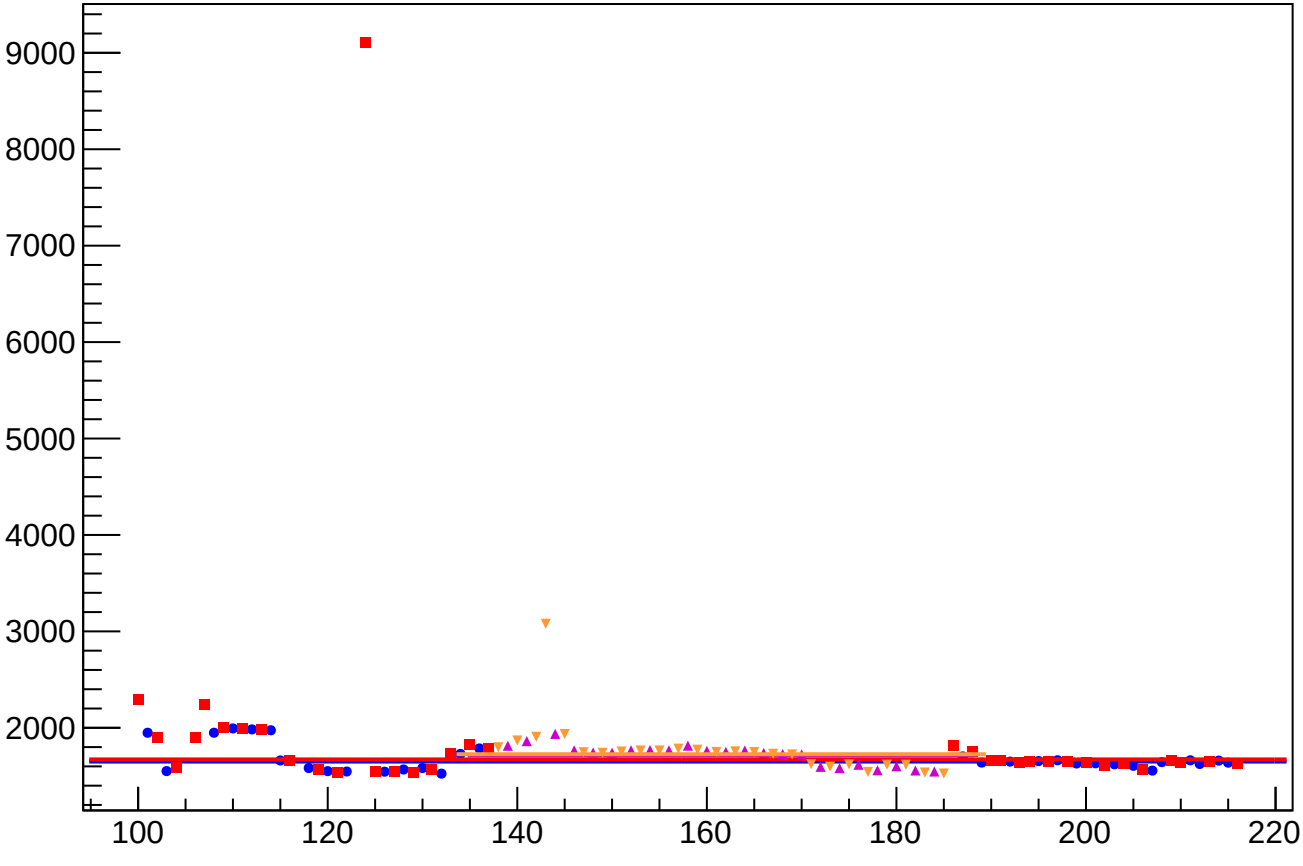
Right: 1945.006+/-267.262 χ^2/NDF: 45.6/65

In: 2189.615+/-274.443 χ^2/NDF:44.7/53

Out: 1311.710+/-273.415 χ^2/NDF:62.9/59

All: 1749.014+/-193.696 χ^2/NDF: 112.7/113

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: 1672.257+/-0.268 χ^2/NDF: 420337.5/34

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

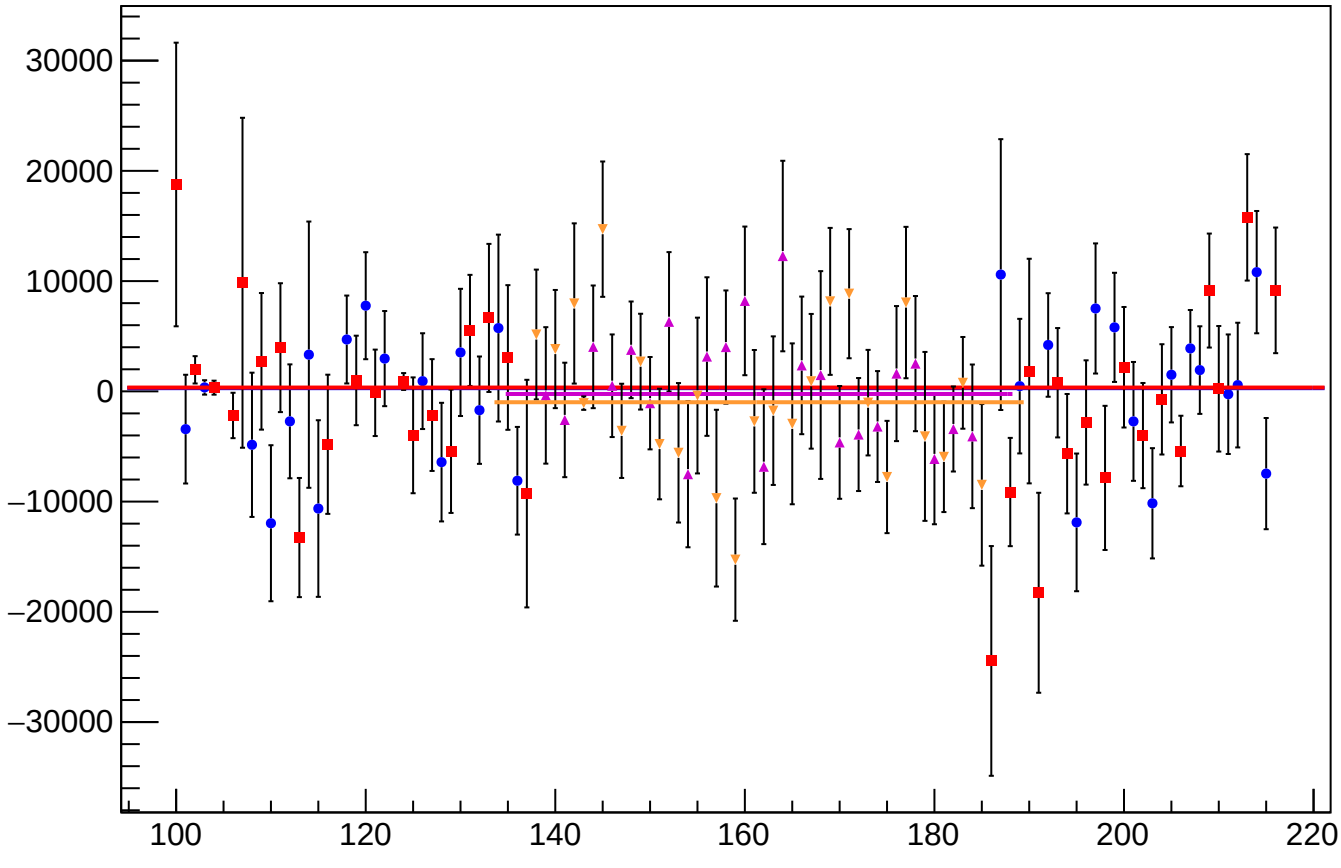
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.199+/-0.189 χ^2/NDF: 579248.2/65

In: 1679.758+/-0.194 χ^2/NDF:310966.7/53

Out: 1698.063+/-0.193 χ^2/NDF:894629.7/59

All: 1688.953+/-0.137 χ^2/NDF: 1210065.4/11



Right In: 288.663+/-539.008 χ^2/NDF: 35.8/30

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 344.255+/-405.266 χ^2/NDF: 52.2/34

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

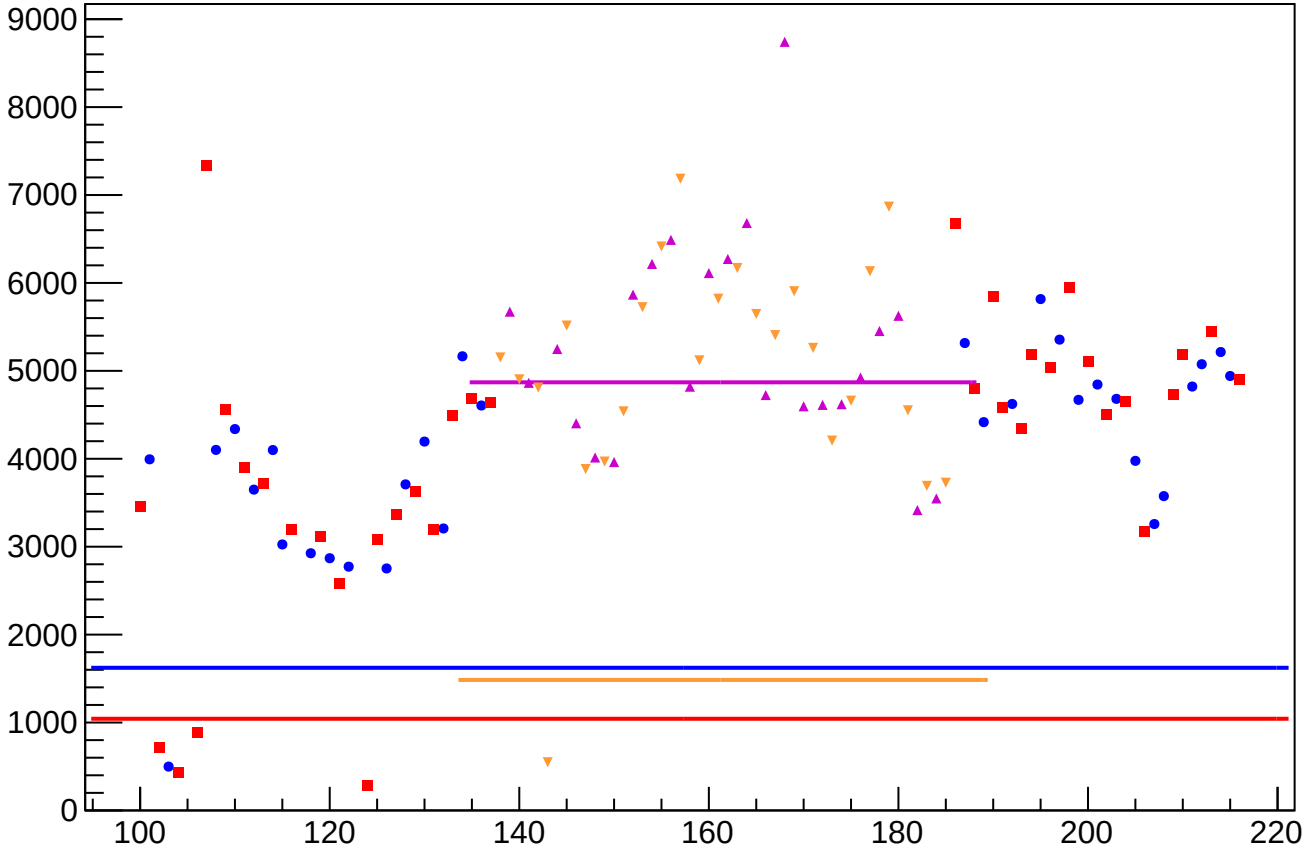
Right: 324.178+/-323.921 χ^2/NDF: 88.0/65

In: 195.530+/-489.190 χ^2/NDF:49.5/53

Out: -134.205+/-324.406 χ^2/NDF:86.9/59

All: -33.490+/-270.360 χ^2/NDF: 136.7/113

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: 1043.011+/-0.287 χ^2/NDF: 24976289.5/34

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

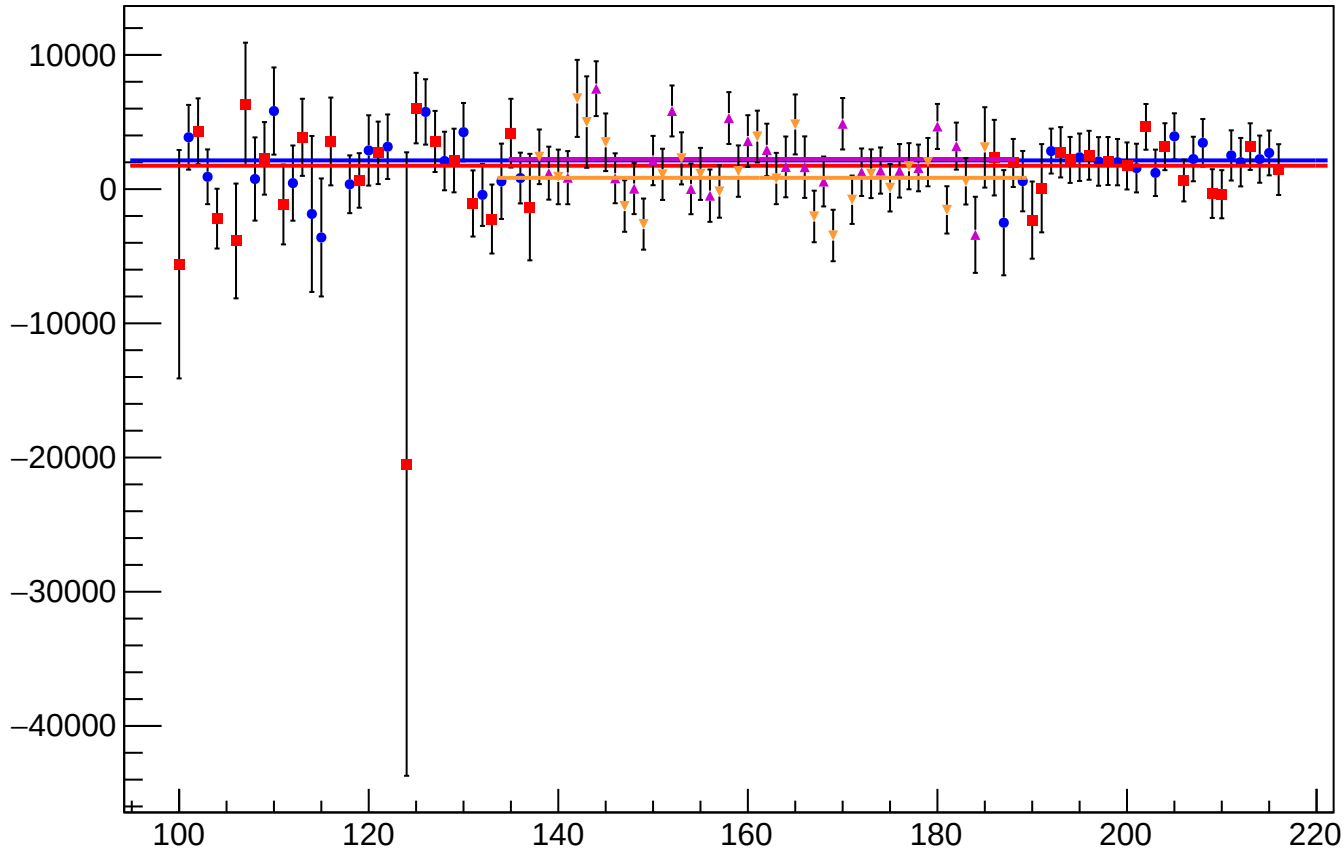
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1252.404+/-0.229 χ^2/NDF: 46488604.3/65

In: 2195.254+/-0.346 χ^2/NDF:34303395.5/53

Out: 1201.633+/-0.229 χ^2/NDF:49054129.1/59

All: 1505.128+/-0.191 χ^2/NDF: 89088440.6/1



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: 1745.666+/-379.333 χ^2/NDF: 29.8/34

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

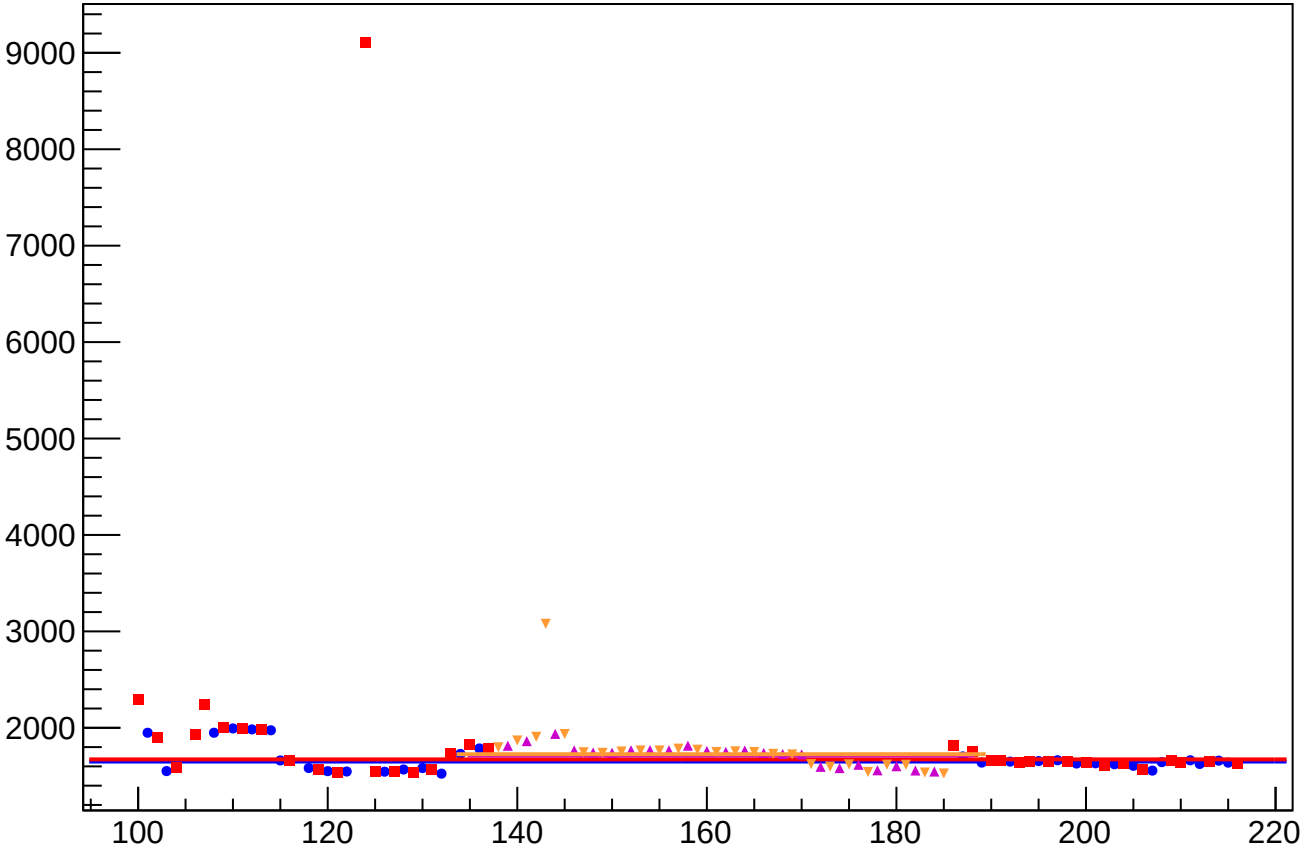
Right: 1944.607+/-267.262 χ^2/NDF: 45.5/65

In: 2189.645+/-274.443 χ^2/NDF:44.7/53

Out: 1311.265+/-273.415 χ^2/NDF:62.9/59

All: 1748.807+/-193.696 χ^2/NDF: 112.7/113

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: 1672.534+/-0.268 χ^2/NDF: 422448.4/34

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

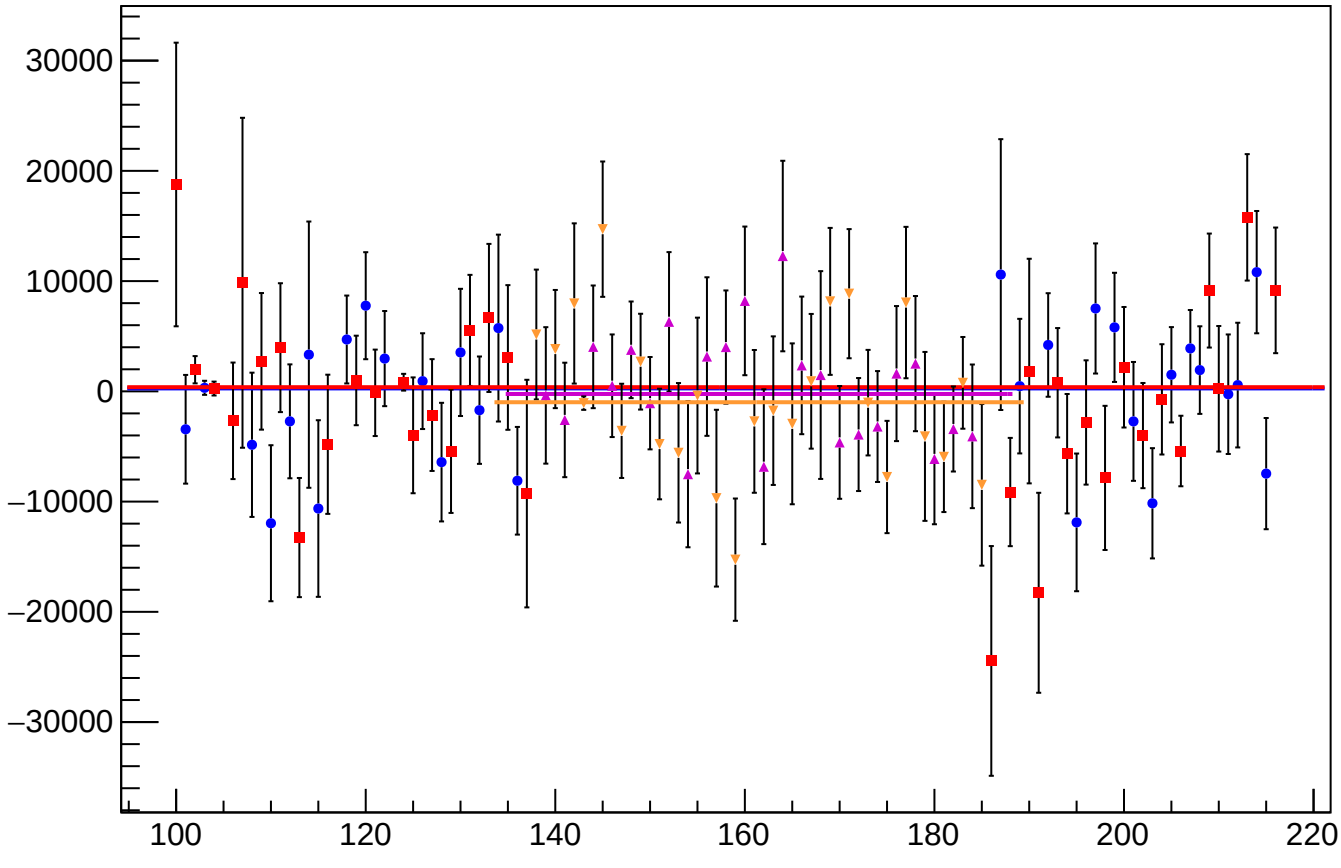
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.335+/-0.189 χ^2/NDF: 581444.4/65

In: 1679.758+/-0.194 χ^2/NDF:310966.7/53

Out: 1698.211+/-0.193 χ^2/NDF:896538.8/59

All: 1689.027+/-0.137 χ^2/NDF: 1212047.0/11



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: 376.471+/-410.327 χ^2/NDF: 51.0/34

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

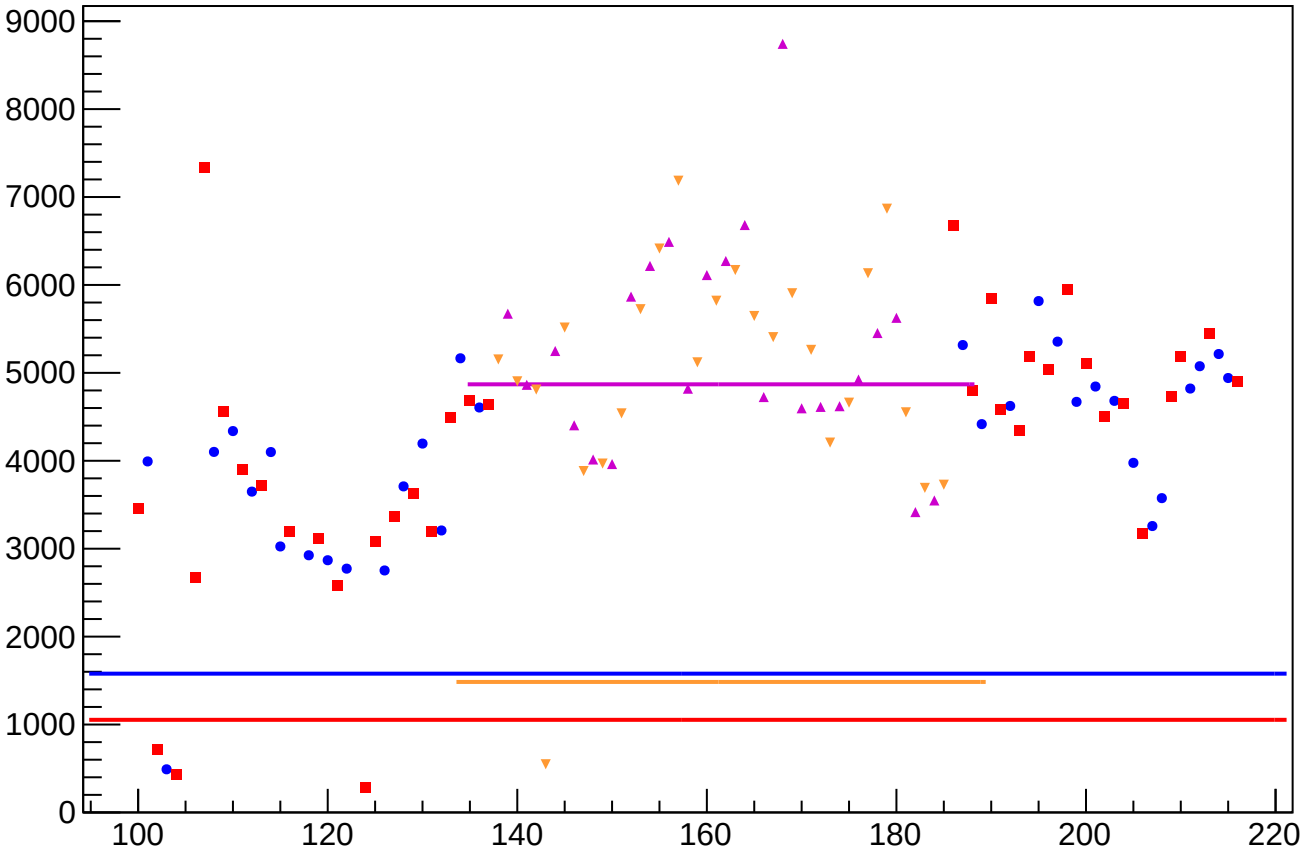
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 335.177+/-324.384 χ^2/NDF: 86.8/65

In: 179.712+/-482.196 χ^2/NDF:49.5/53

Out: -121.284+/-326.980 χ^2/NDF:85.8/59

All: -26.473+/-270.627 χ^2/NDF: 135.6/113



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: 1053.516+/-0.290 χ^2/NDF: 25202850.1/34

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

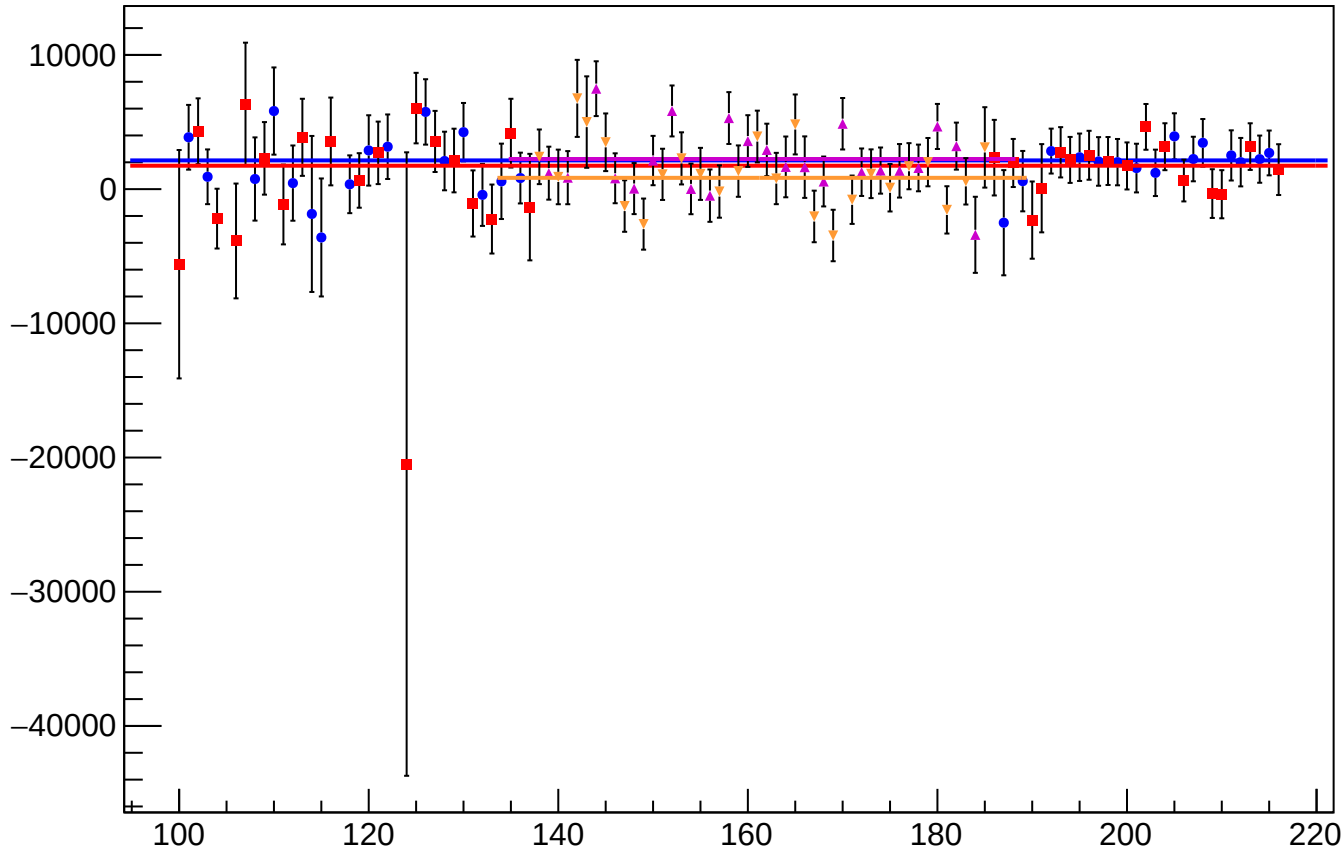
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1250.471+/-0.229 χ^2/NDF: 46850267.1/65

In: 2142.439+/-0.341 χ^2/NDF:35118177.8/53

Out: 1210.814+/-0.231 χ^2/NDF:49233681.7/59

All: 1504.265+/-0.191 χ^2/NDF: 89465894.5/1



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: 1745.666+/-379.333 χ^2/NDF: 29.8/34

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

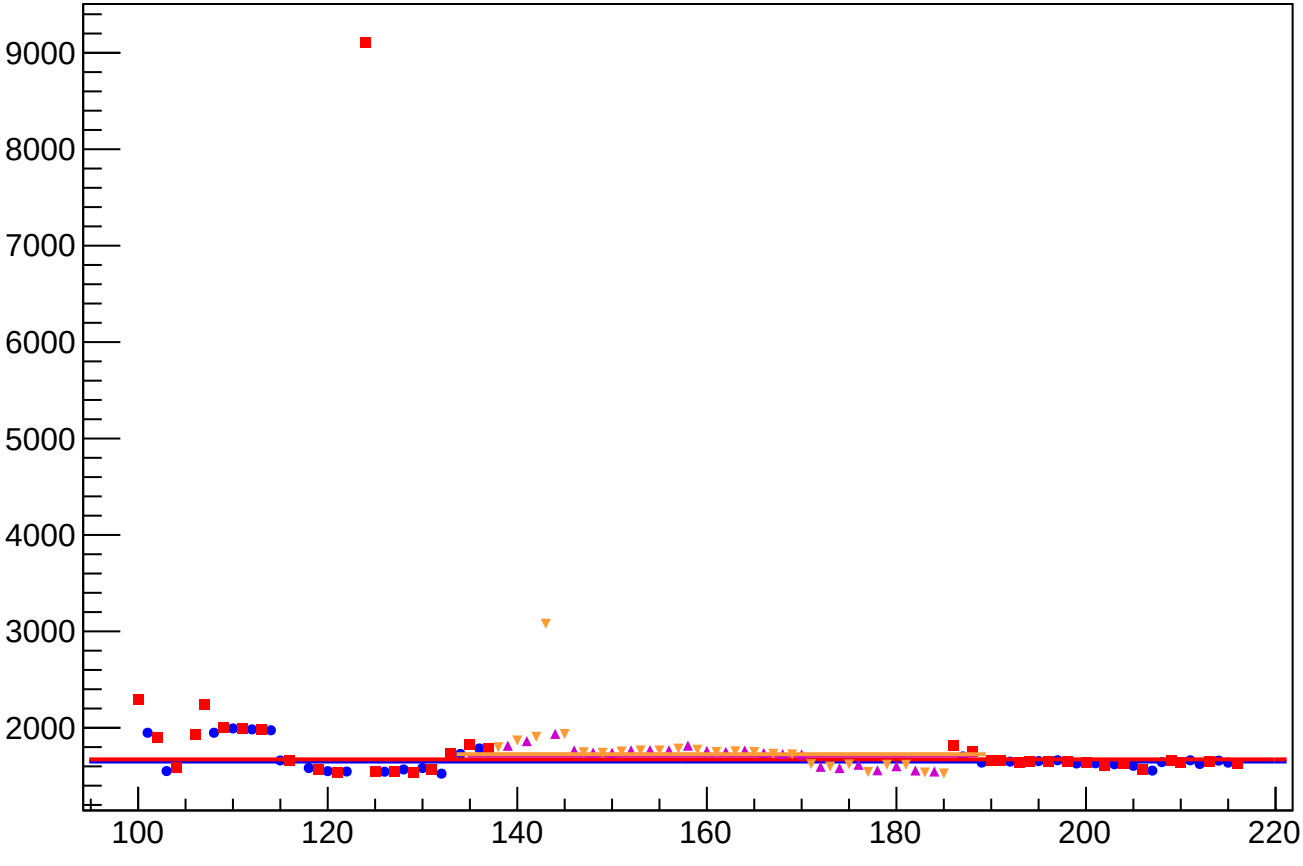
Right: 1944.607+/-267.262 χ^2/NDF: 45.5/65

In: 2189.645+/-274.443 χ^2/NDF:44.7/53

Out: 1311.265+/-273.415 χ^2/NDF:62.9/59

All: 1748.807+/-193.696 χ^2/NDF: 112.7/113

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: 1672.534+/-0.268 χ^2/NDF: 422448.4/34

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

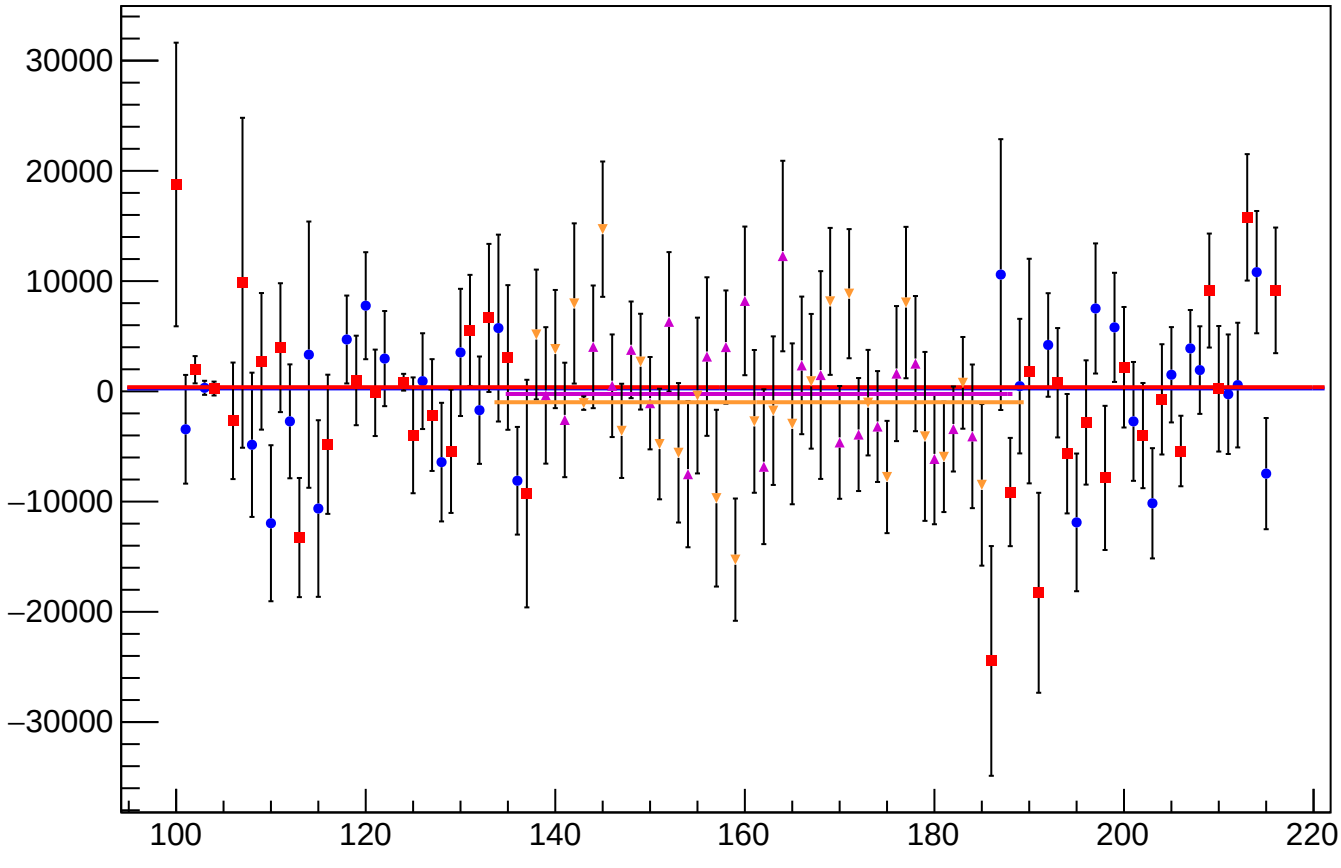
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1661.335+/-0.189 χ^2/NDF: 581444.4/65

In: 1679.758+/-0.194 χ^2/NDF:310966.7/53

Out: 1698.211+/-0.193 χ^2/NDF:896538.8/59

All: 1689.027+/-0.137 χ^2/NDF: 1212047.0/11



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: 376.471+/-410.327 χ^2/NDF: 51.0/34

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

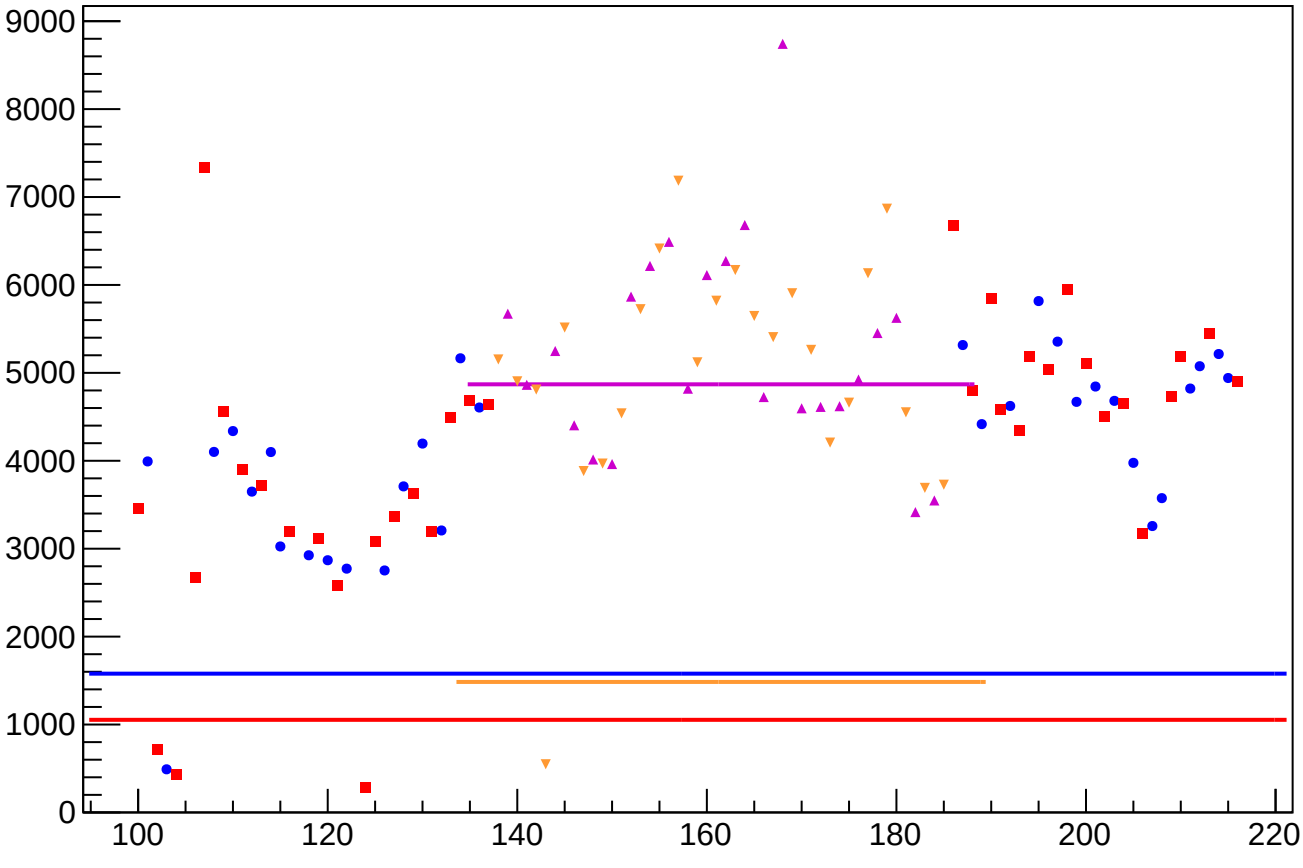
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 335.177+/-324.384 χ^2/NDF: 86.8/65

In: 179.712+/-482.196 χ^2/NDF:49.5/53

Out: -121.284+/-326.980 χ^2/NDF:85.8/59

All: -26.473+/-270.627 χ^2/NDF: 135.6/113



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: 1053.516+/-0.290 χ^2/NDF: 25202850.1/34

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

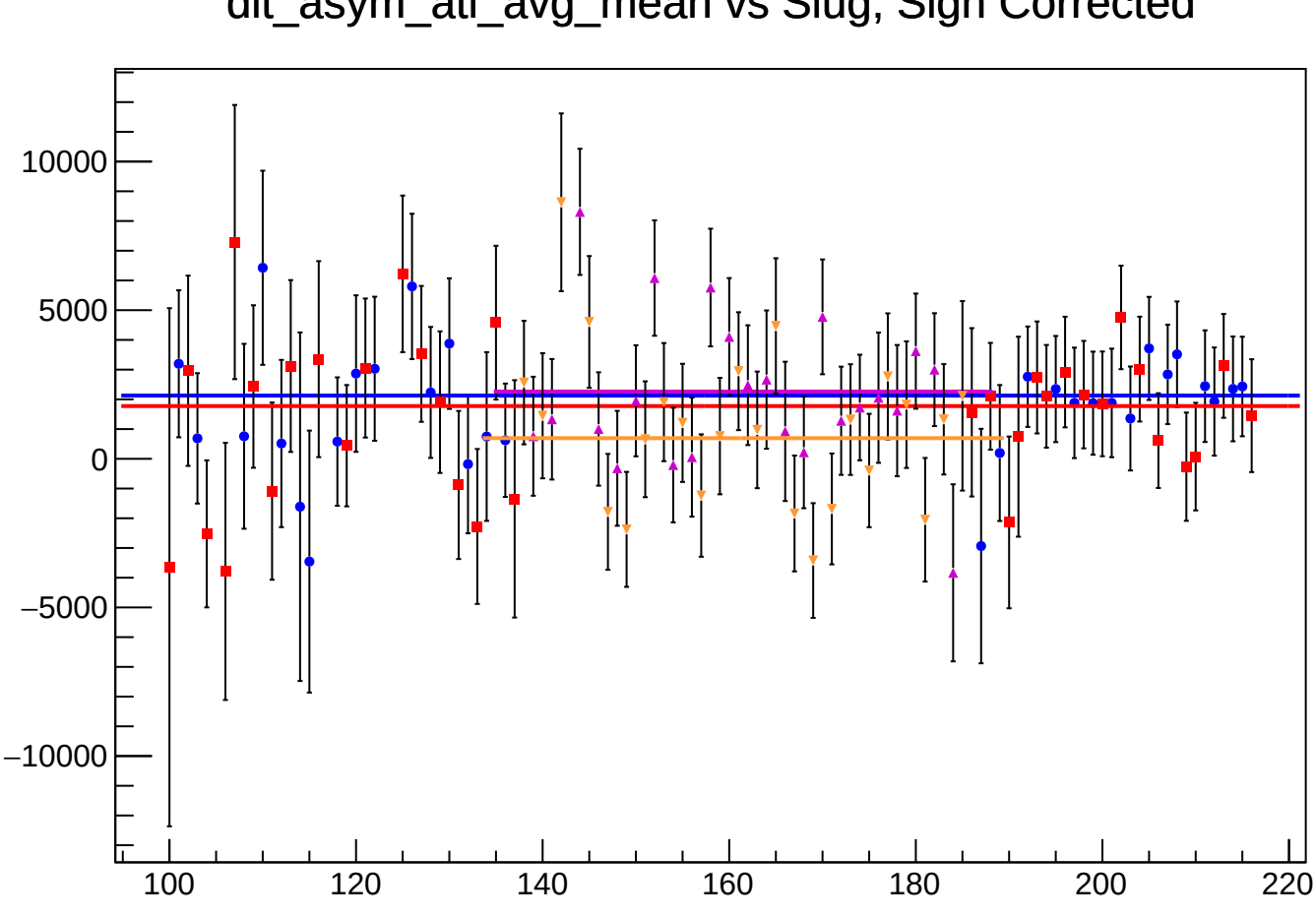
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1250.471+/-0.229 χ^2/NDF: 46850267.1/65

In: 2142.439+/-0.341 χ^2/NDF:35118177.8/53

Out: 1210.814+/-0.231 χ^2/NDF:49233681.7/59

All: 1504.265+/-0.191 χ^2/NDF: 89465894.5/1



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: 1774.688+/-385.665 χ^2/NDF: 27.0/33

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

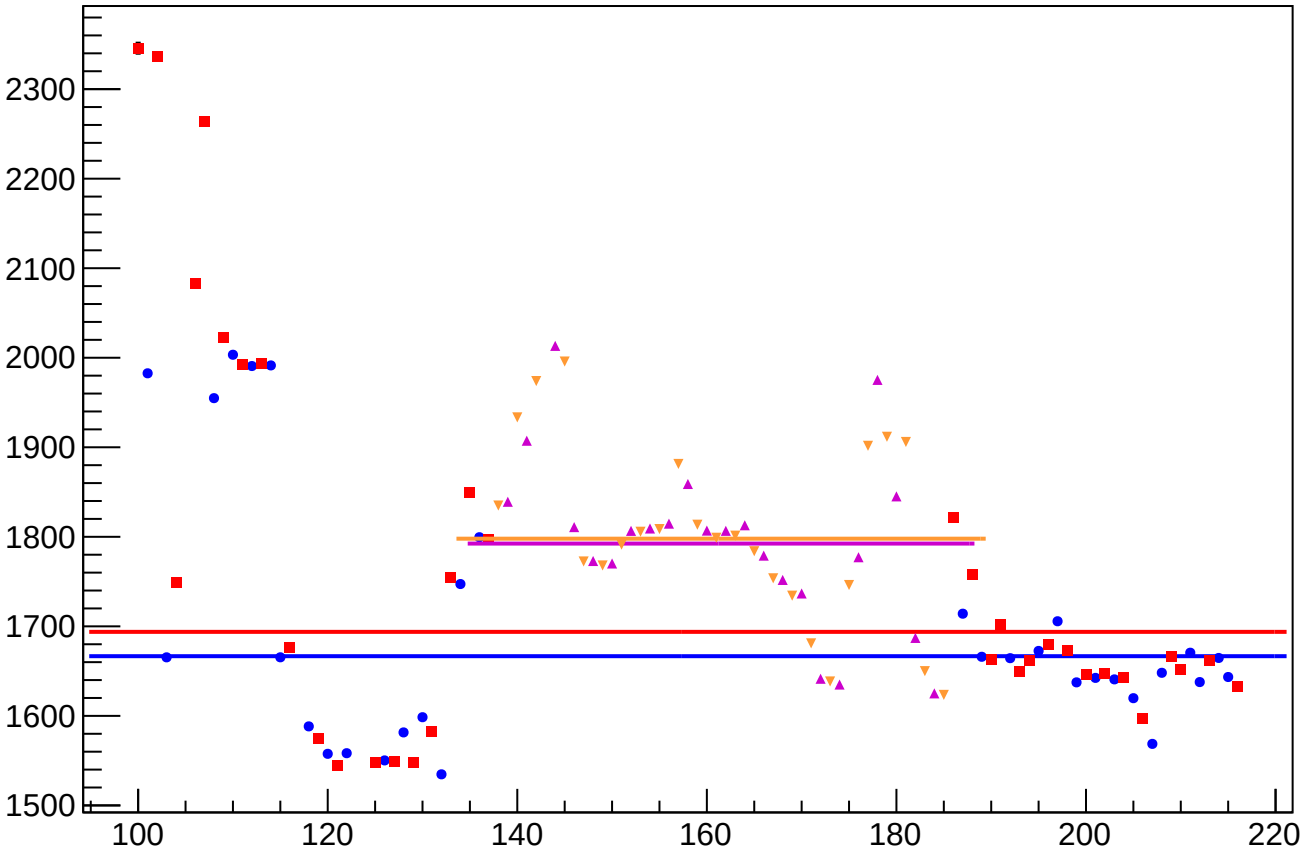
Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

Right: 1953.316+/-270.856 χ^2/NDF: 42.2/64

In: 2187.975+/-281.731 χ^2/NDF:45.3/53

Out: 1277.965+/-283.465 χ^2/NDF:62.8/57

All: 1735.762+/-199.824 χ^2/NDF: 113.3/111



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: 1693.843+/-0.272 χ^2/NDF: 288898.1/33

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

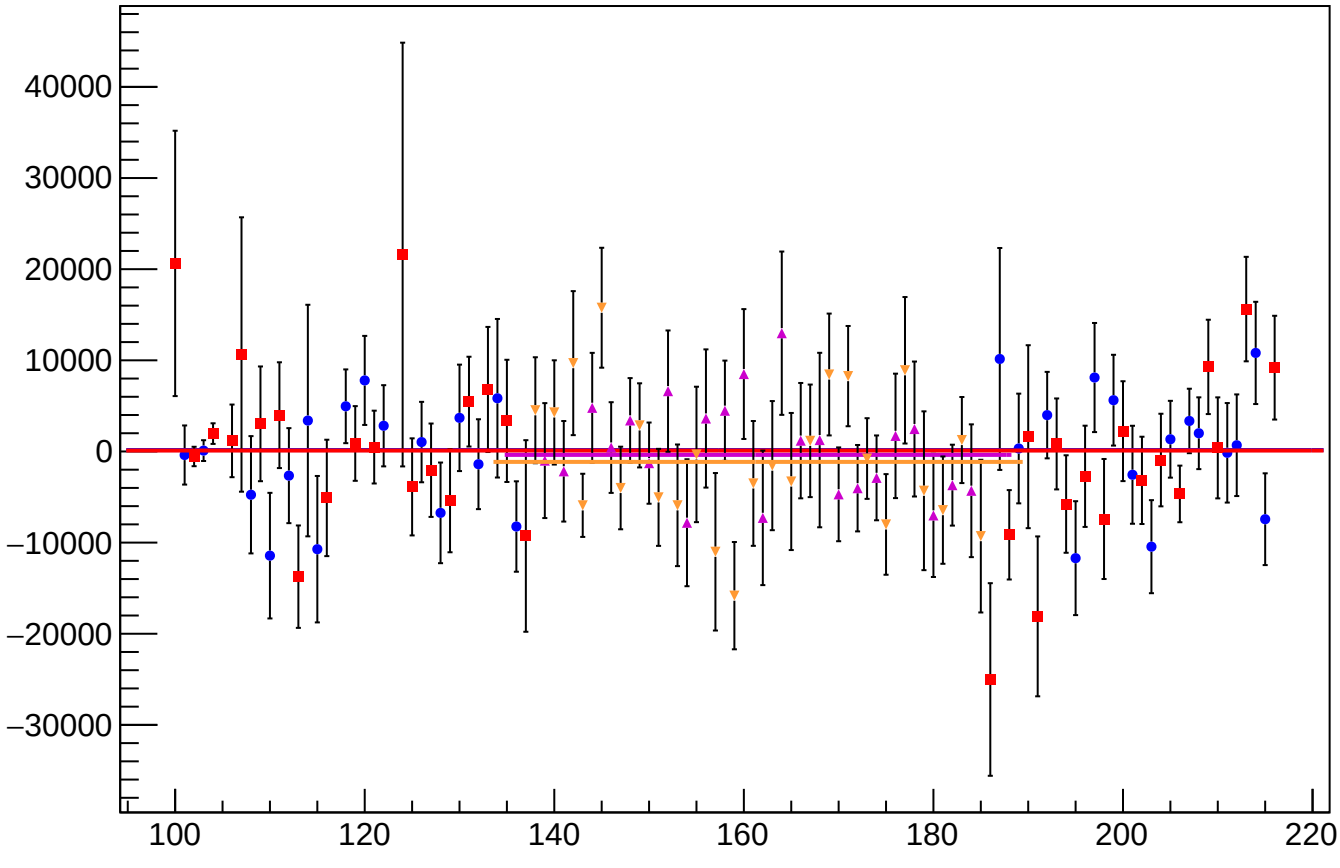
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1680.081+/-0.191 χ^2/NDF: 446950.4/64

In: 1723.486+/-0.199 χ^2/NDF:344628.4/53

Out: 1741.649+/-0.200 χ^2/NDF:453901.8/57

All: 1732.516+/-0.141 χ^2/NDF: 802662.7/111



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: 102.788+/-606.051 χ^2/NDF: 51.1/34

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

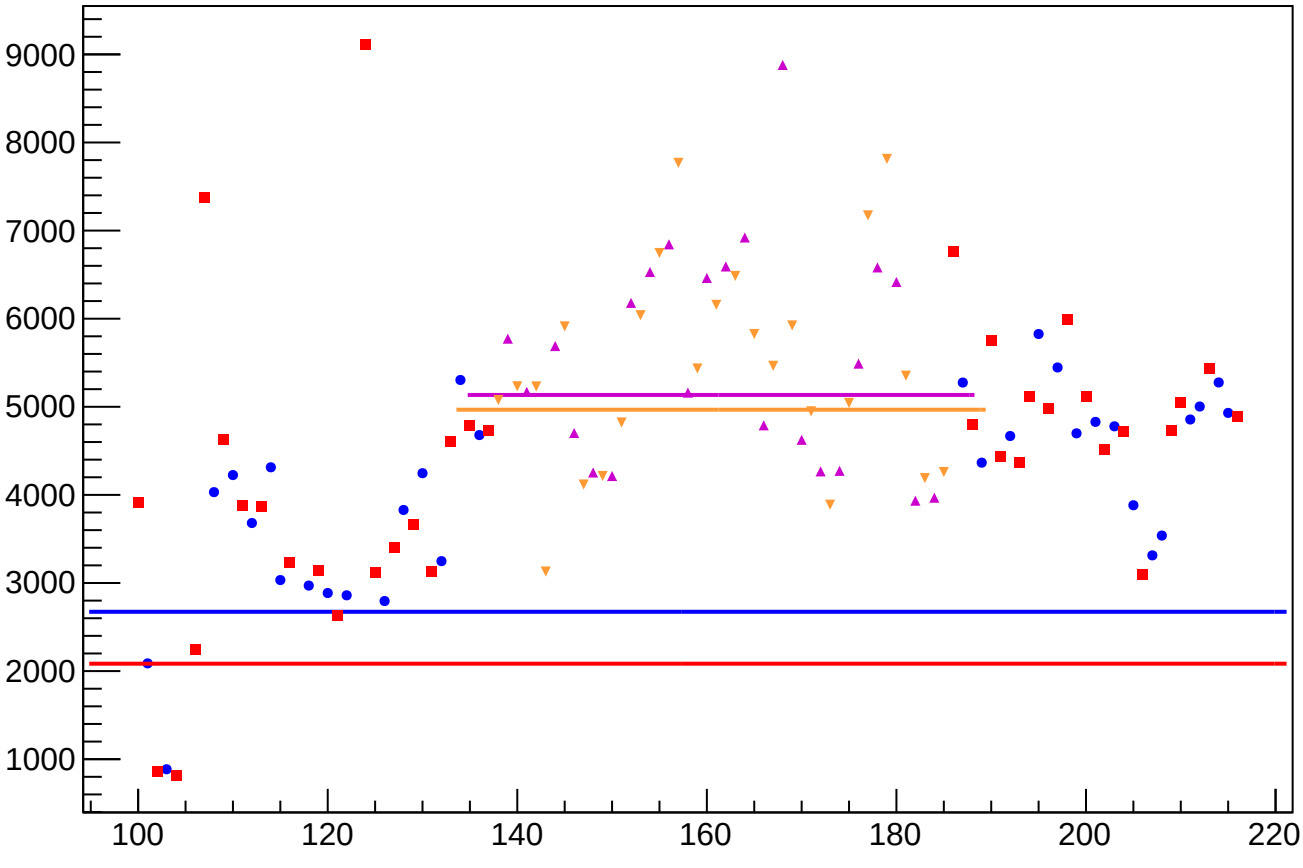
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: 123.304+/-464.527 χ^2/NDF: 85.8/65

In: 16.792+/-623.293 χ^2/NDF:48.1/53

Out: -163.040+/-537.598 χ^2/NDF:84.6/59

All: -86.327+/-407.093 χ^2/NDF: 132.7/113



Right In: 2673.258+/-0.511 χ^2/NDF: 10426216.4/30

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 2083.943+/-0.429 χ^2/NDF: 15657933.1/34

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

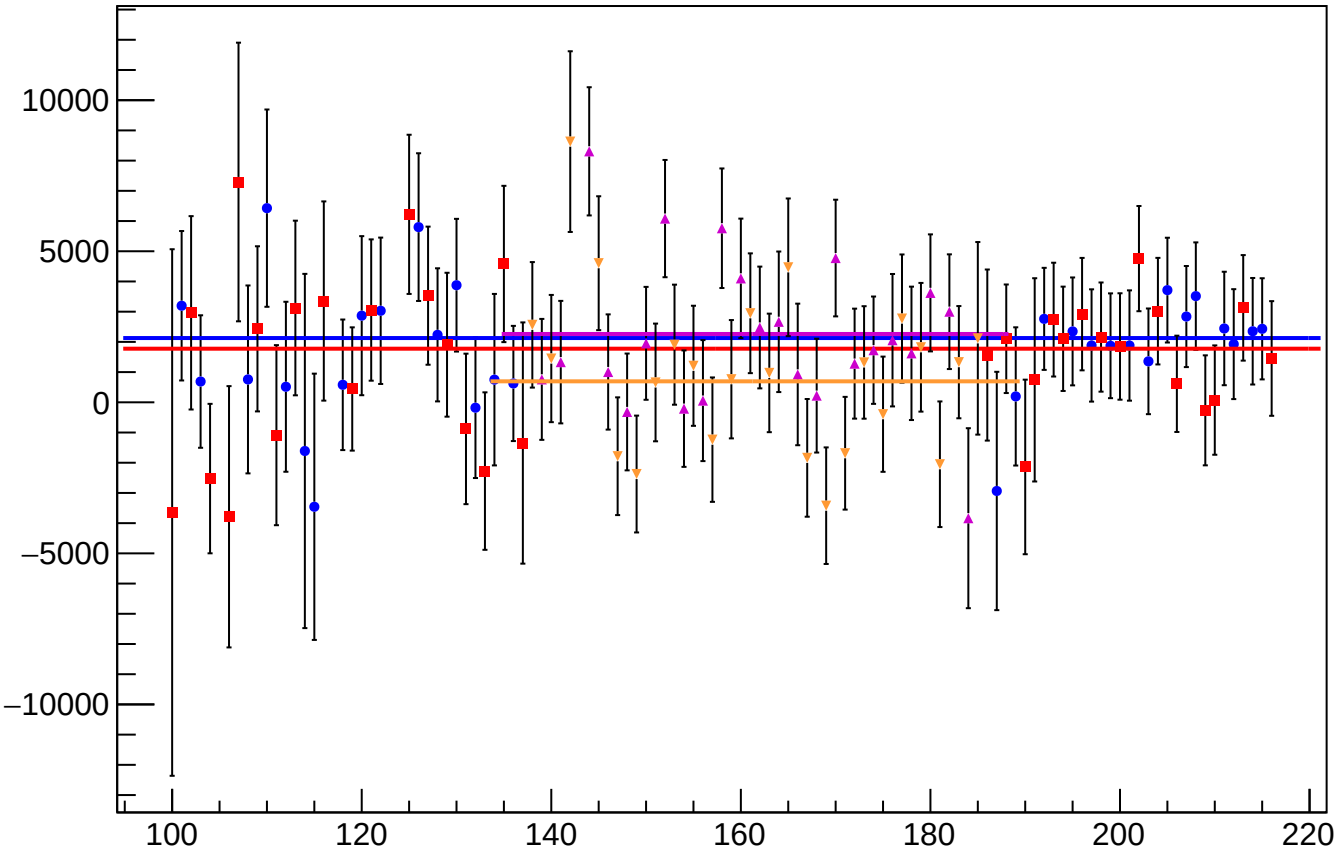
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2327.040+/-0.328 χ^2/NDF: 26864227.4/65

In: 3306.599+/-0.441 χ^2/NDF:17872971.1/53

Out: 2698.416+/-0.380 χ^2/NDF:27221907.1/59

All: 2957.856+/-0.288 χ^2/NDF: 46186785.9/1



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: 1774.685+/-385.665 χ^2/NDF: 27.0/33

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

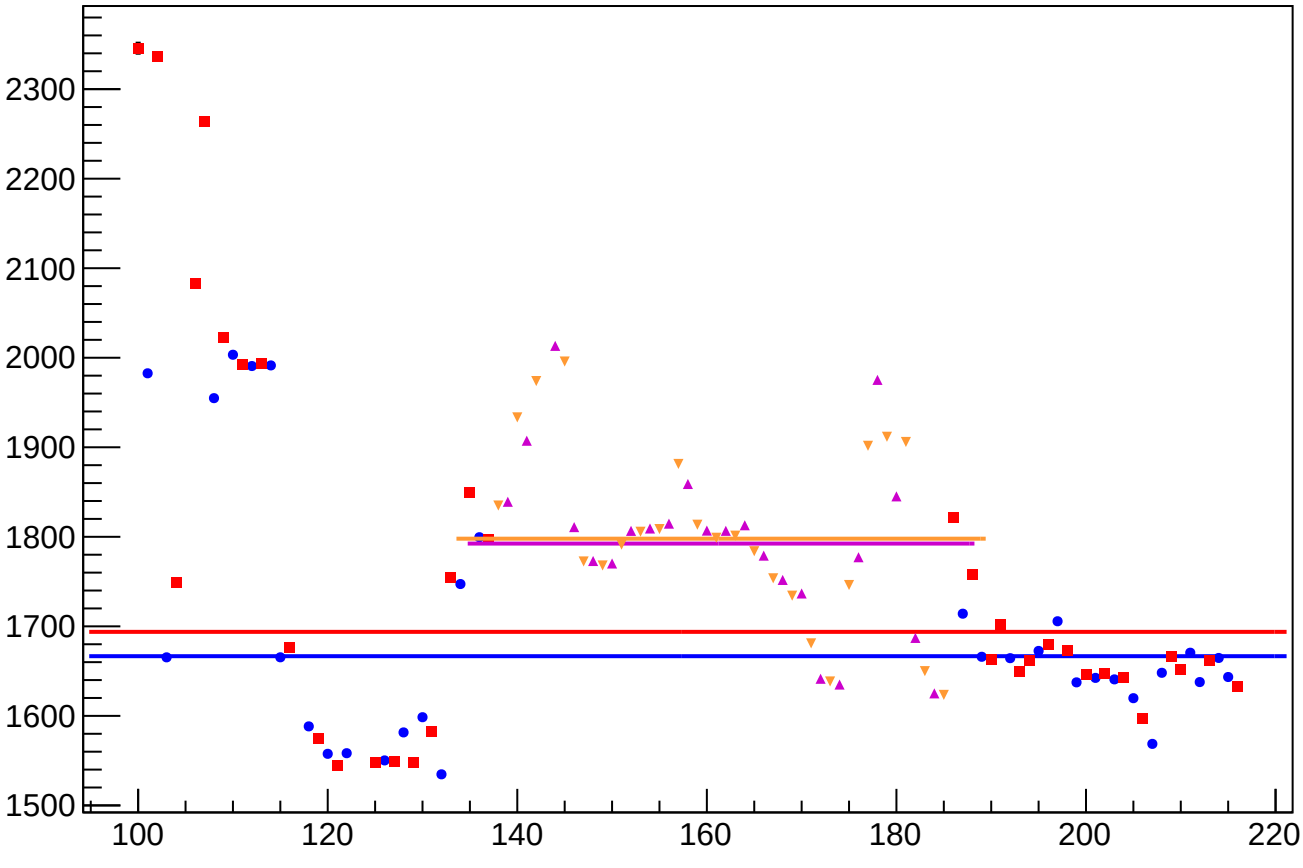
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1953.314+/-270.856 χ^2/NDF: 42.2/64

In: 2187.973+/-281.731 χ^2/NDF:45.3/53

Out: 1277.962+/-283.465 χ^2/NDF:62.8/57

All: 1735.760+/-199.824 χ^2/NDF: 113.3/111



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: 1693.842+/-0.272 χ^2/NDF: 288897.6/33

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

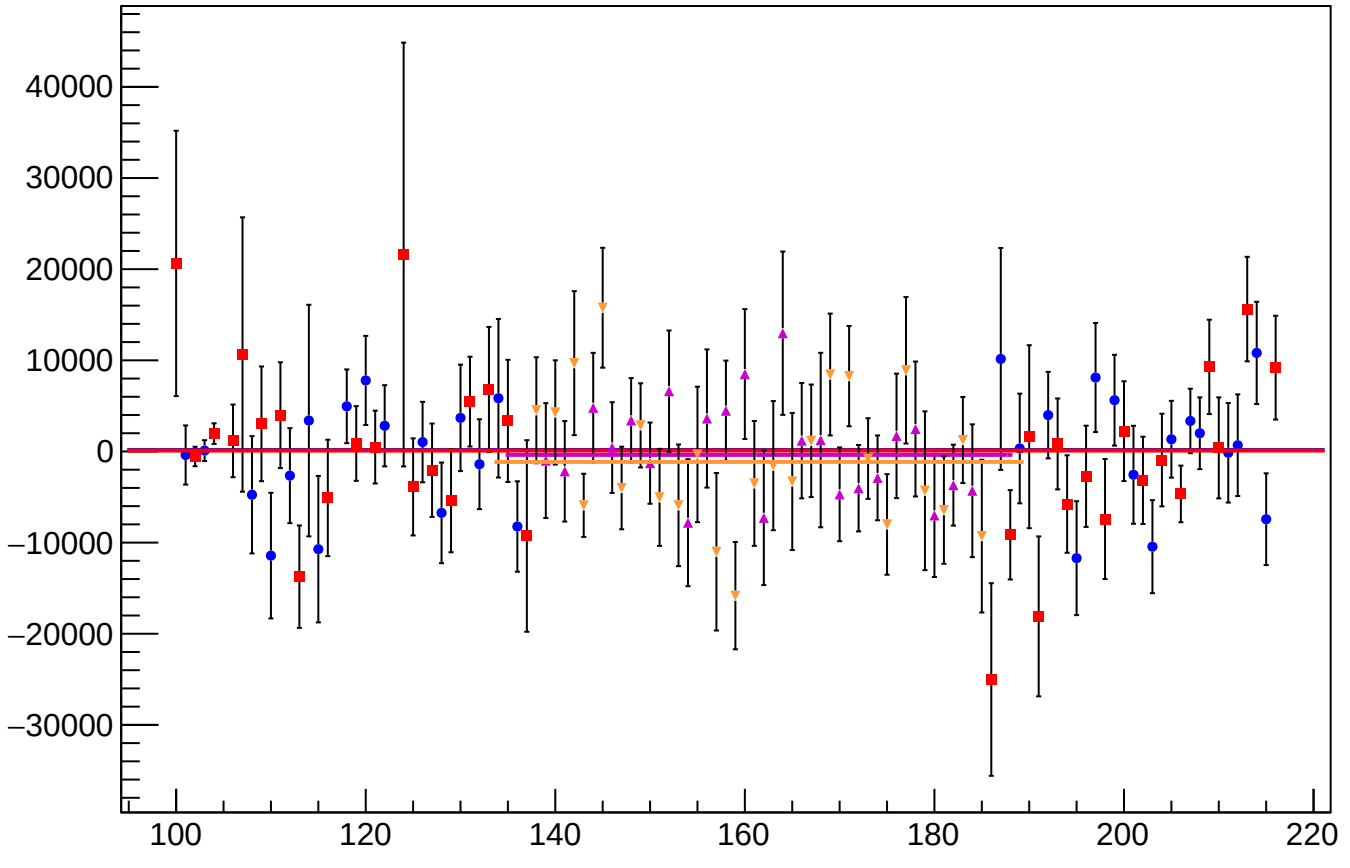
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1680.081+/-0.191 χ^2/NDF: 446950.0/64

In: 1723.487+/-0.199 χ^2/NDF:344634.0/53

Out: 1741.650+/-0.200 χ^2/NDF:453906.6/57

All: 1732.516+/-0.141 χ^2/NDF: 802673.1/111



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: 102.793+/-606.048 χ^2/NDF: 51.1/34

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

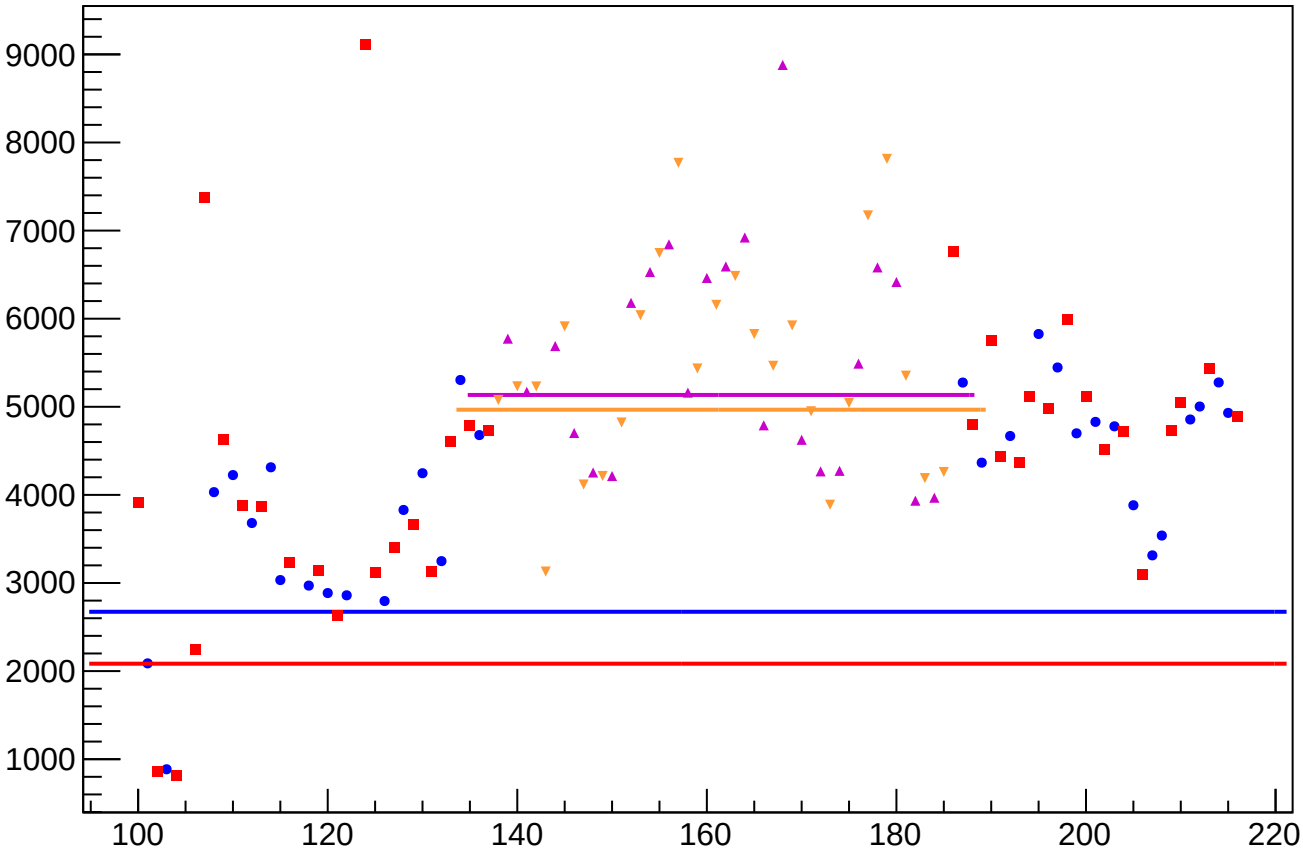
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 123.307+/-464.524 χ^2/NDF: 85.8/65

In: 16.794+/-623.292 χ^2/NDF:48.1/53

Out: -163.035+/-537.596 χ^2/NDF:84.6/59

All: -86.323+/-407.091 χ^2/NDF: 132.7/113



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: 2083.924+/-0.429 χ^2/NDF: 15658085.7/34

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

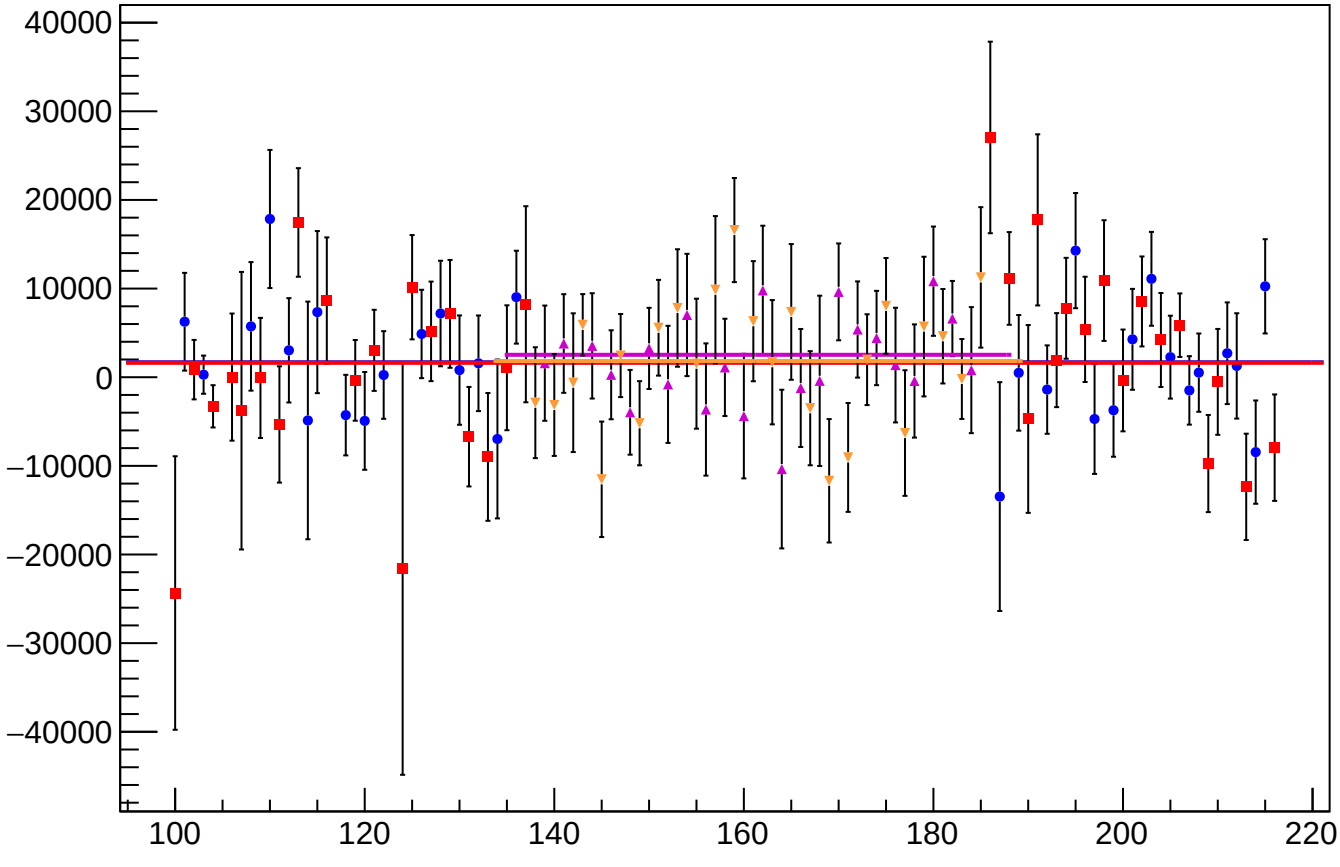
Right: 2327.021+/-0.328 χ^2/NDF: 26864542.5/65

In: 3306.583+/-0.441 χ^2/NDF:17873248.5/53

Out: 2698.396+/-0.380 χ^2/NDF:27222237.8/59

All: 2957.837+/-0.288 χ^2/NDF: 46187414.9/1

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: 1630.499+/-940.996 χ^2/NDF: 56.9/34

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

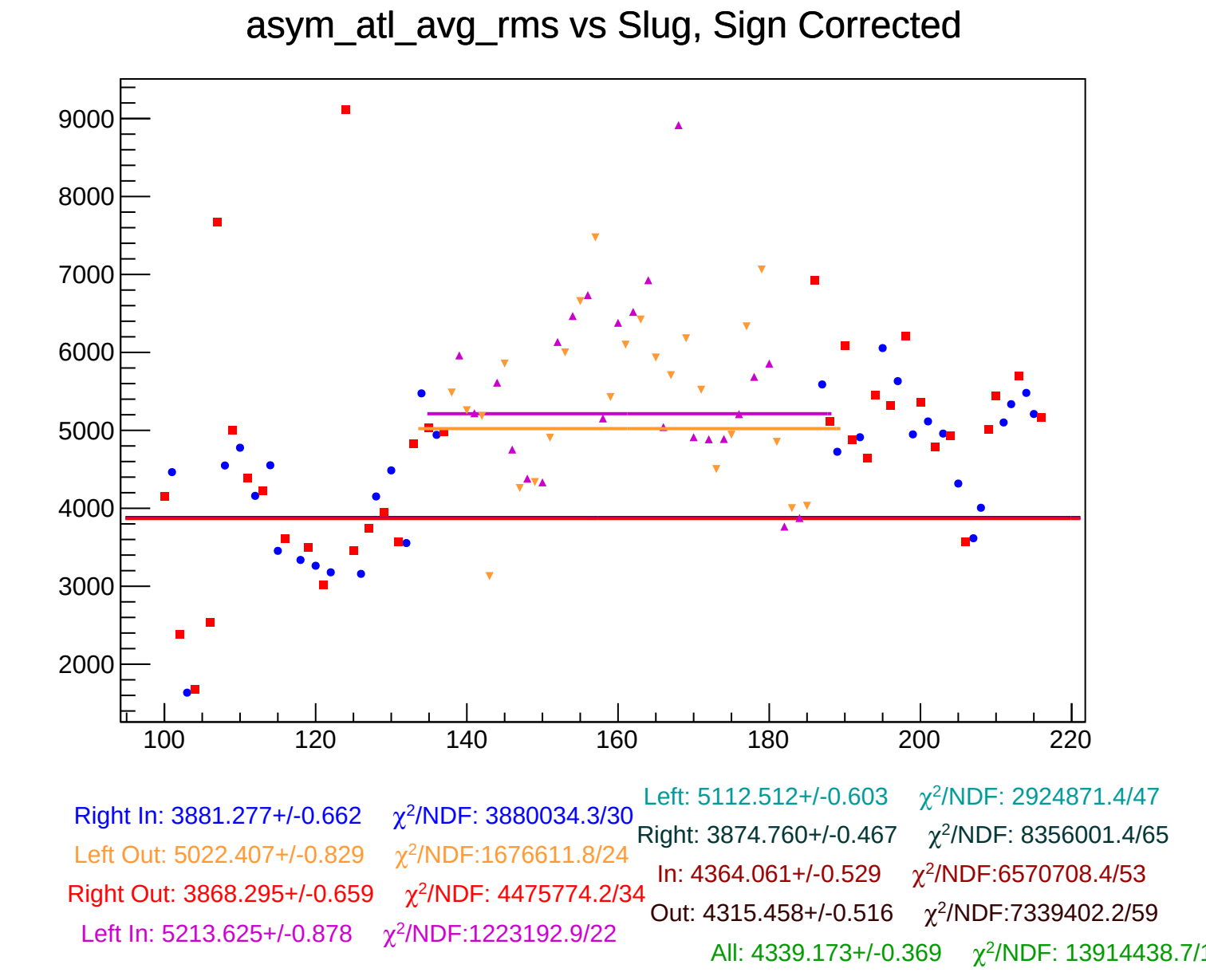
Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

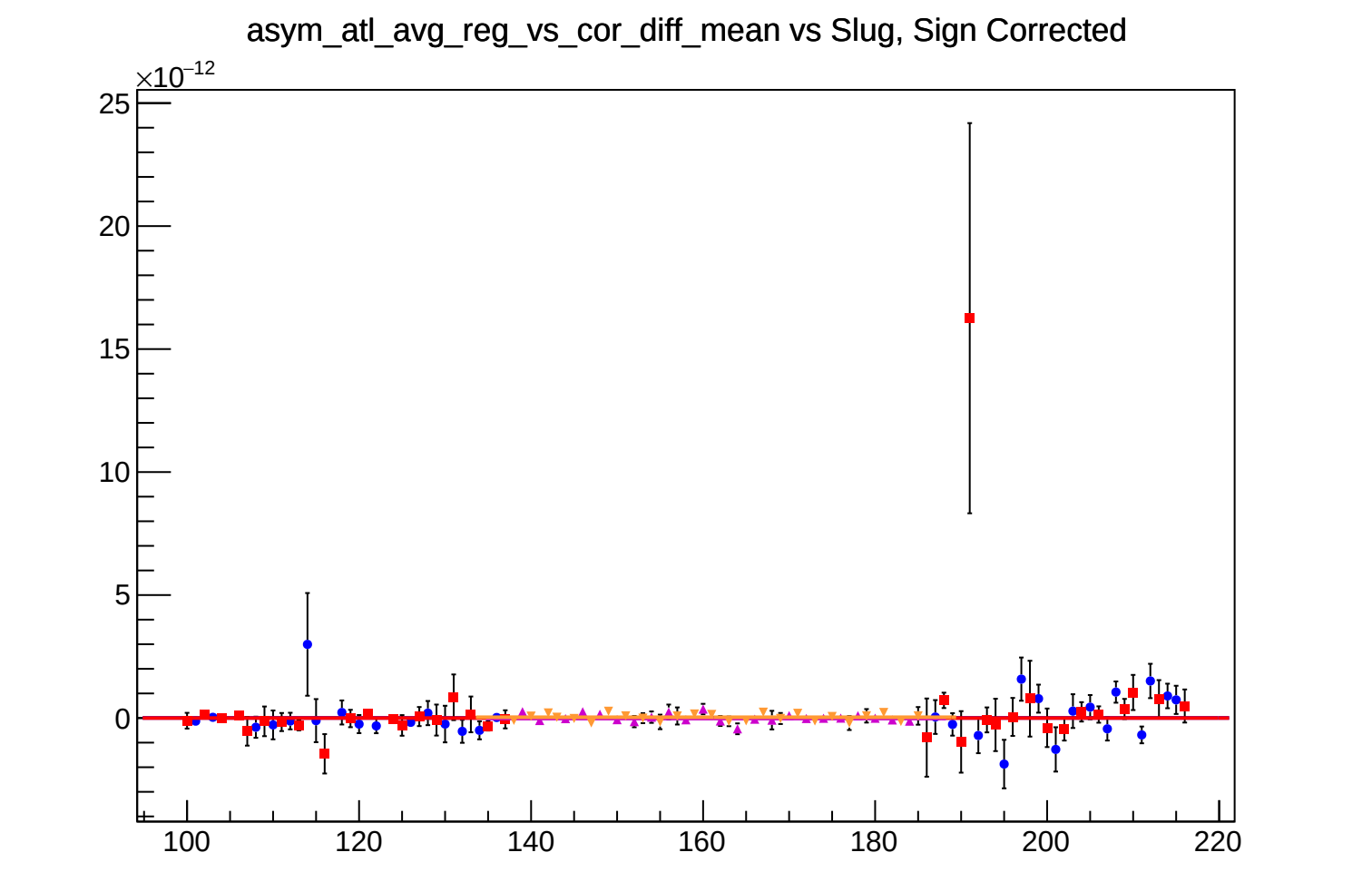
Right: 1658.004+/-663.718 χ^2/NDF: 88.2/65

In: 1991.160+/-747.659 χ^2/NDF:44.8/53

Out: 1707.170+/-733.873 χ^2/NDF:88.0/59

All: 1846.523+/-523.733 χ^2/NDF: 132.9/113


asym_atl_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 3881.277+/-0.662 χ²/NDF: 3880034.3/30
Left Out: 5022.407+/-0.829 χ²/NDF:1676611.8/24
Right Out: 3868.295+/-0.659 χ²/NDF: 4475774.2/34
Left In: 5213.625+/-0.878 χ²/NDF:1223192.9/22
Left: 5112.512+/-0.603 χ²/NDF: 2924871.4/47
Right: 3874.760+/-0.467 χ²/NDF: 8356001.4/65
In: 4364.061+/-0.529 χ²/NDF:6570708.4/53
Out: 4315.458+/-0.516 χ²/NDF:7339402.2/59
All: 4339.173+/-0.369 χ²/NDF: 13914438.7/



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: 32.1/34

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

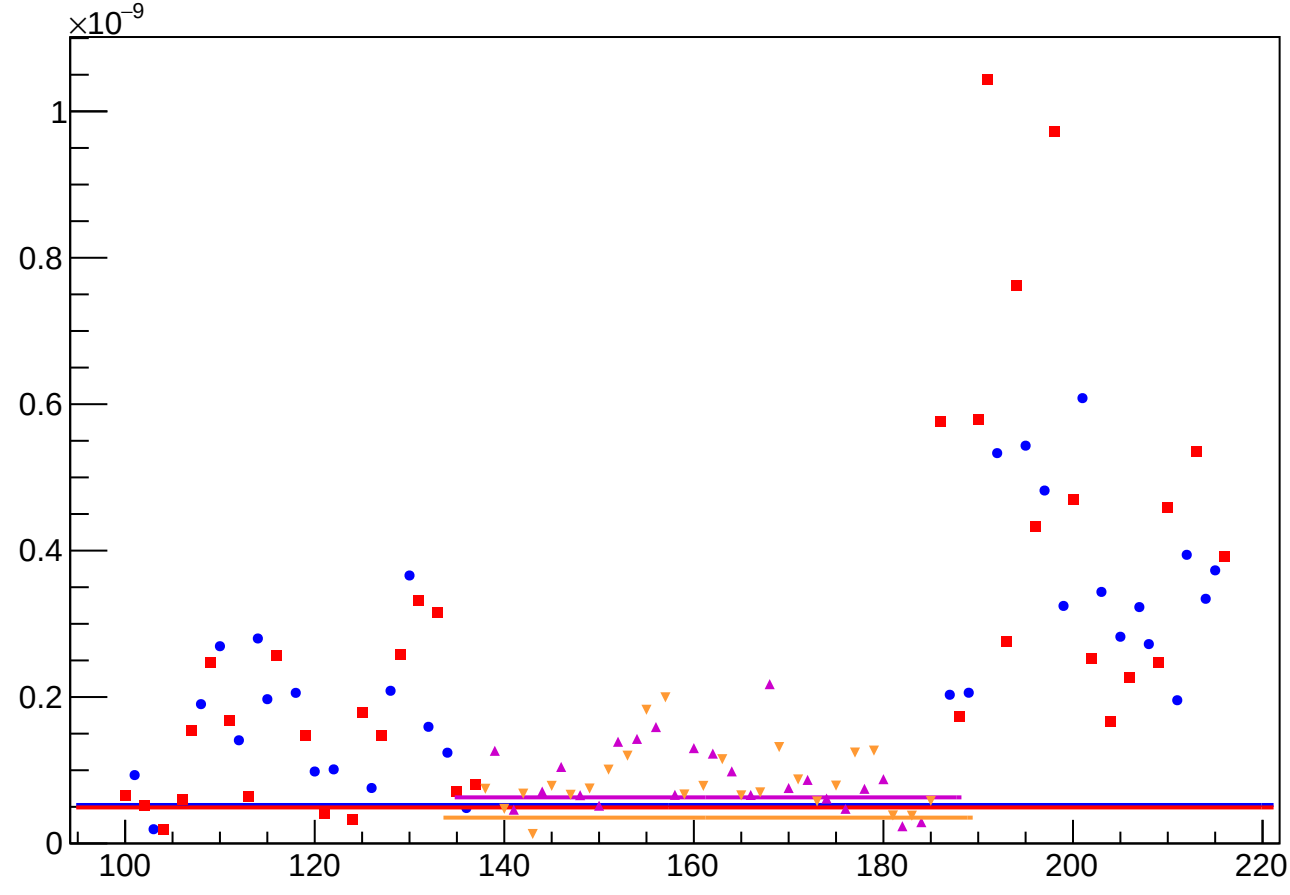
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: 0.000+/-0.000 χ^2/NDF: 76.2/65

In: -0.000+/-0.000 χ^2/NDF:63.5/53

Out: 0.000+/-0.000 χ^2/NDF:57.8/59

All: 0.000+/-0.000 χ^2/NDF: 122.8/113



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: 10574661.2/34

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

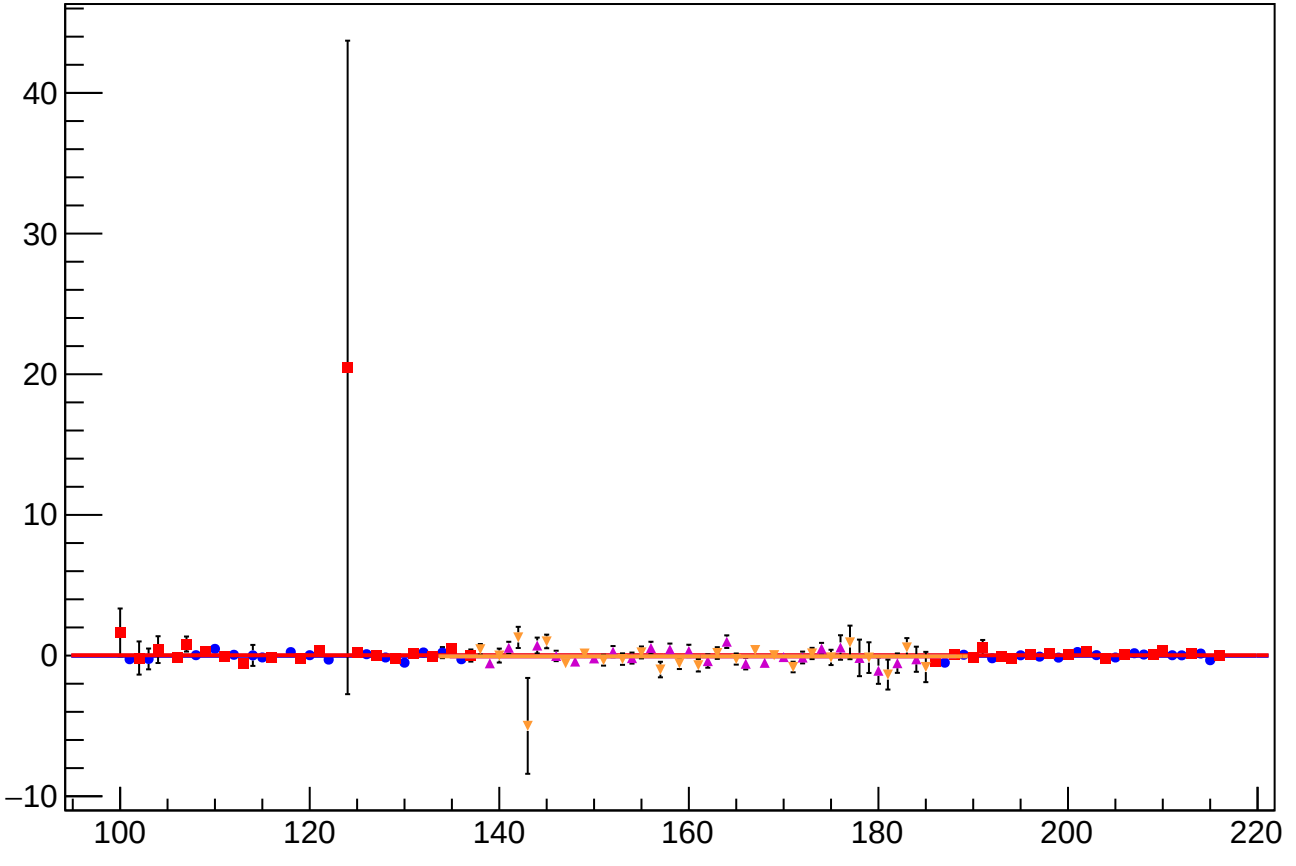
Right: 0.000+/-0.000 χ^2/NDF: 21284333.6/65

In: 0.000+/-0.000 χ^2/NDF:13750047.7/53

Out: 0.000+/-0.000 χ^2/NDF:17375498.9/59

All: 0.000+/-0.000 χ^2/NDF: 32256783.9/113

asym_atl_avg_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: 0.024+/-0.033 χ^2/NDF: 36.0/34

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

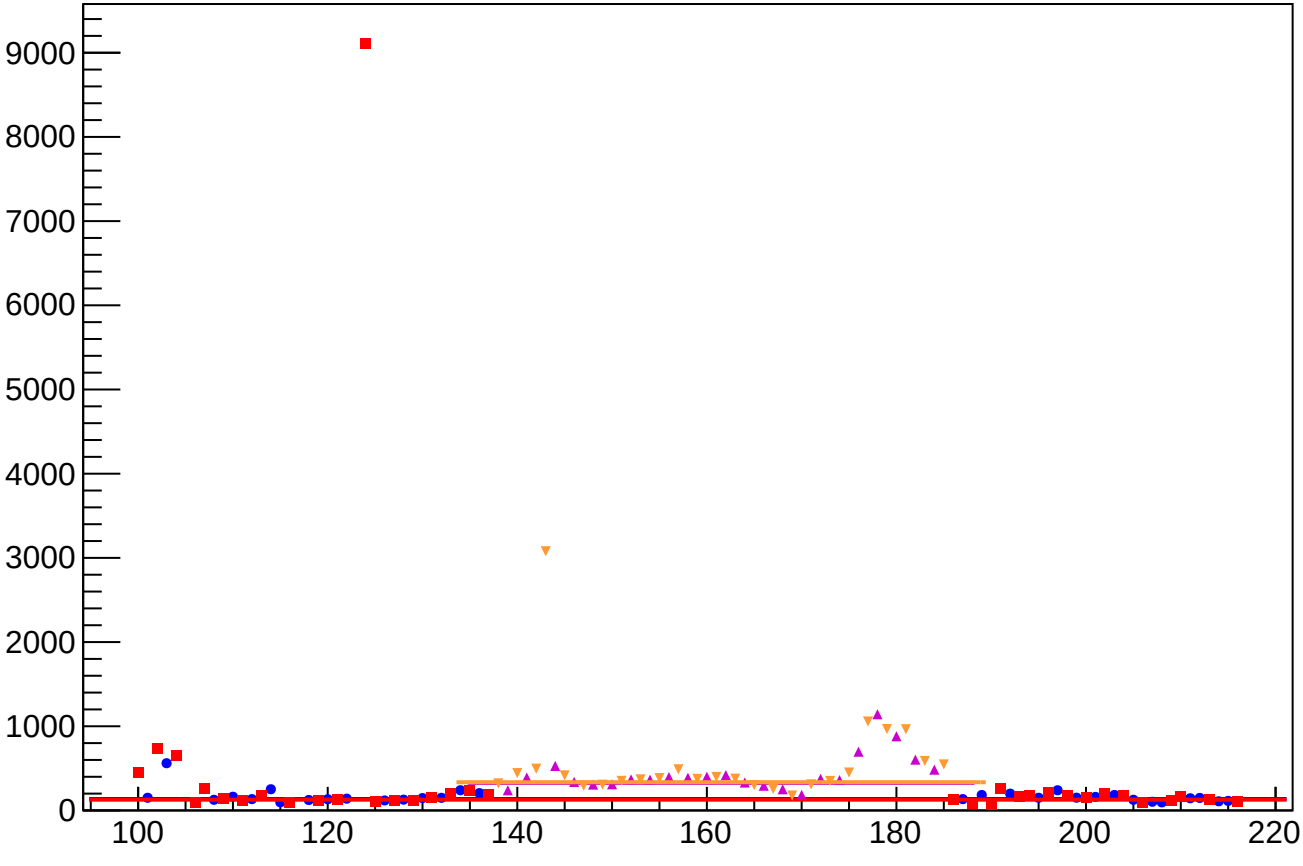
Right: 0.004+/-0.023 χ^2/NDF: 72.5/65

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.014+/-0.030 χ^2/NDF:69.8/59

All: -0.004+/-0.022 χ^2/NDF: 134.6/113

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: 128.210+/-0.023 χ^2/NDF: 4333483.4/34

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

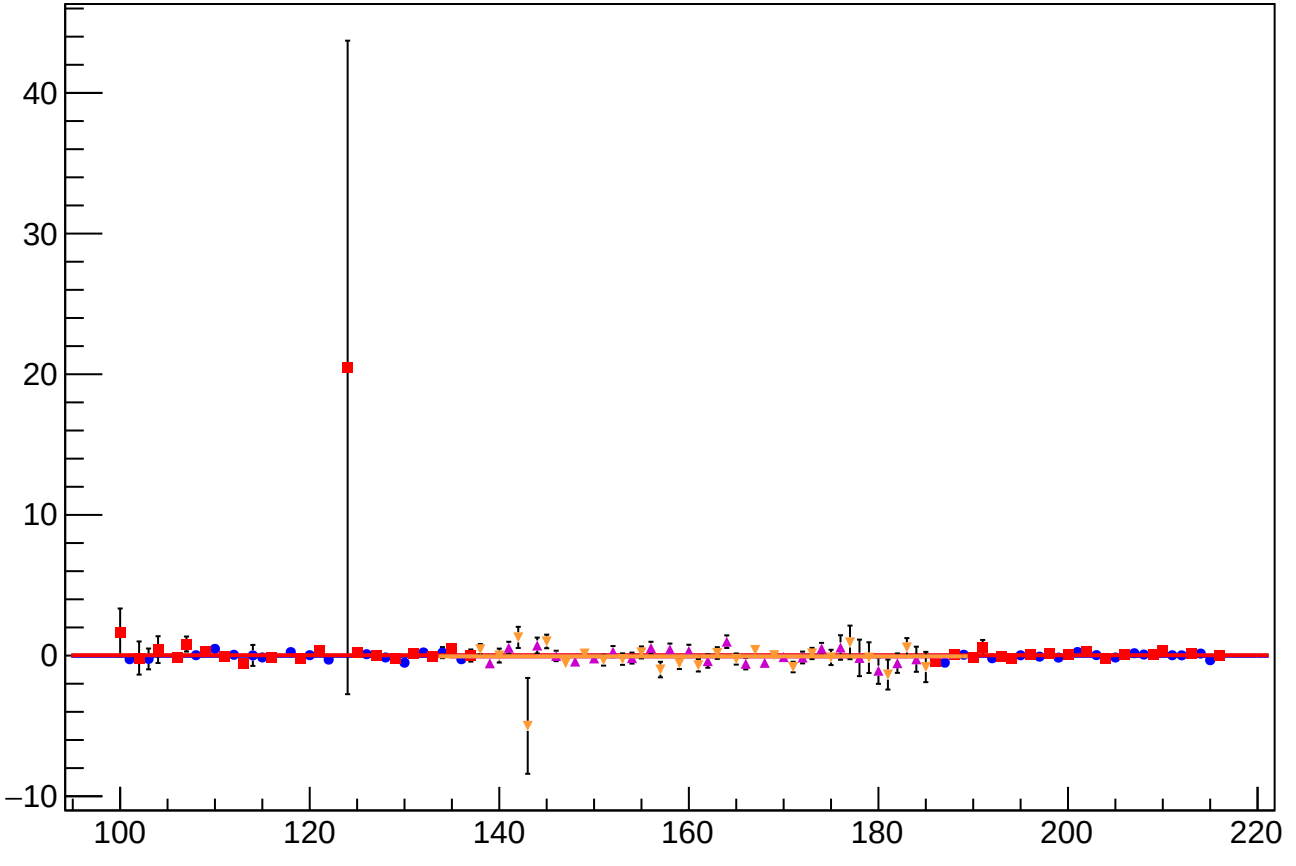
Right: 131.955+/-0.016 χ^2/NDF: 6874346.8/65

In: 162.887+/-0.022 χ^2/NDF:15859794.6/53

Out: 154.823+/-0.021 χ^2/NDF:20612693.2/59

All: 158.765+/-0.015 χ^2/NDF: 36541532.3/11

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: 0.024+/-0.033 χ^2/NDF: 36.0/34

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

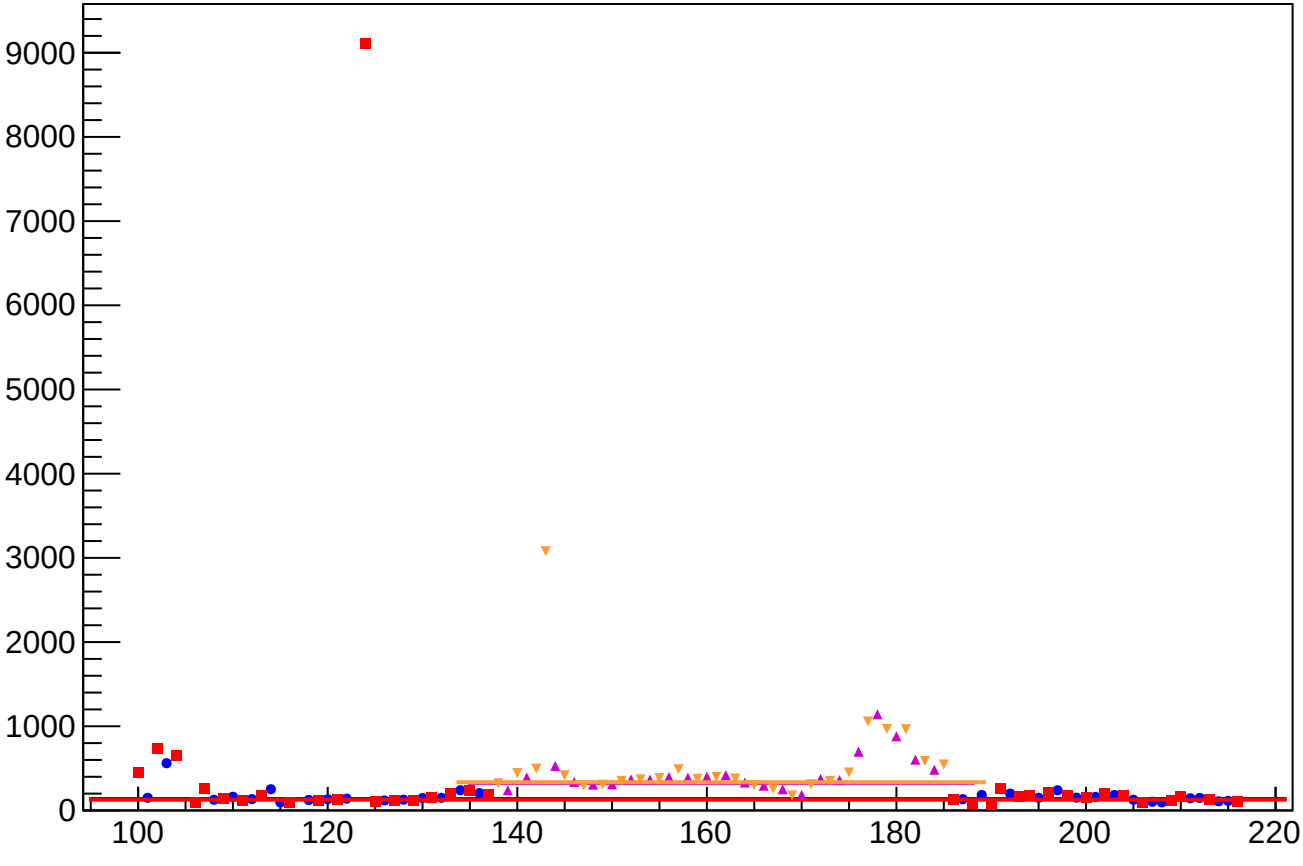
Right: 0.004+/-0.023 χ^2/NDF: 72.5/65

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.014+/-0.030 χ^2/NDF:69.8/59

All: -0.004+/-0.022 χ^2/NDF: 134.6/113

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: 128.210+/-0.023 χ^2/NDF: 4333483.4/34

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

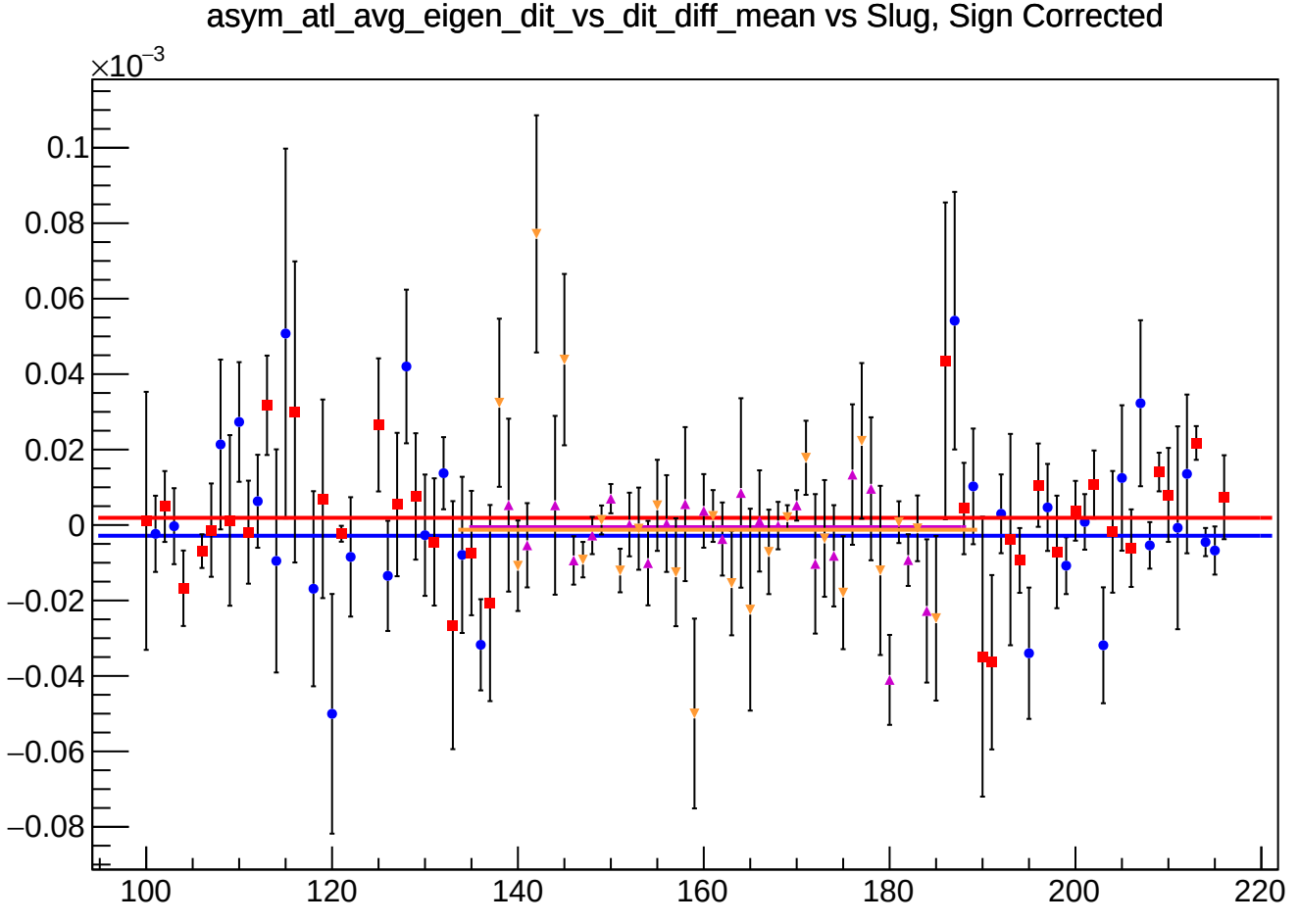
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 131.955+/-0.016 χ^2/NDF: 6874346.8/65

In: 162.887+/-0.022 χ^2/NDF:15859794.6/53

Out: 154.823+/-0.021 χ^2/NDF:20612693.2/59

All: 158.765+/-0.015 χ^2/NDF: 36541532.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 56.3/33

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

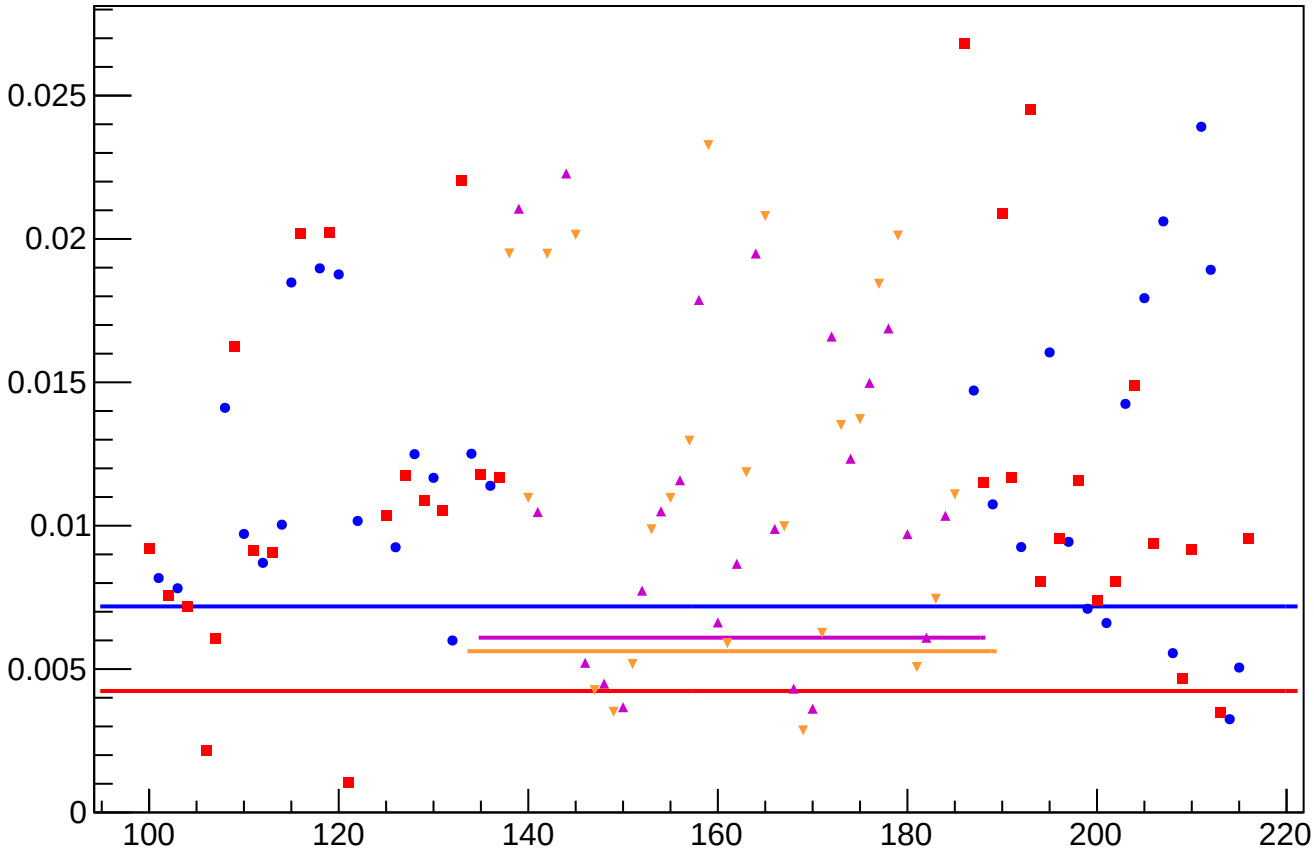
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 100.7/64

In: -0.000+/-0.000 χ^2/NDF:66.6/53

Out: 0.000+/-0.000 χ^2/NDF:94.3/57

All: -0.000+/-0.000 χ^2/NDF: 162.5/111



Right In: 0.007+/-0.000 χ^2/NDF: 8574147.3/30

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 17152313.9/33

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

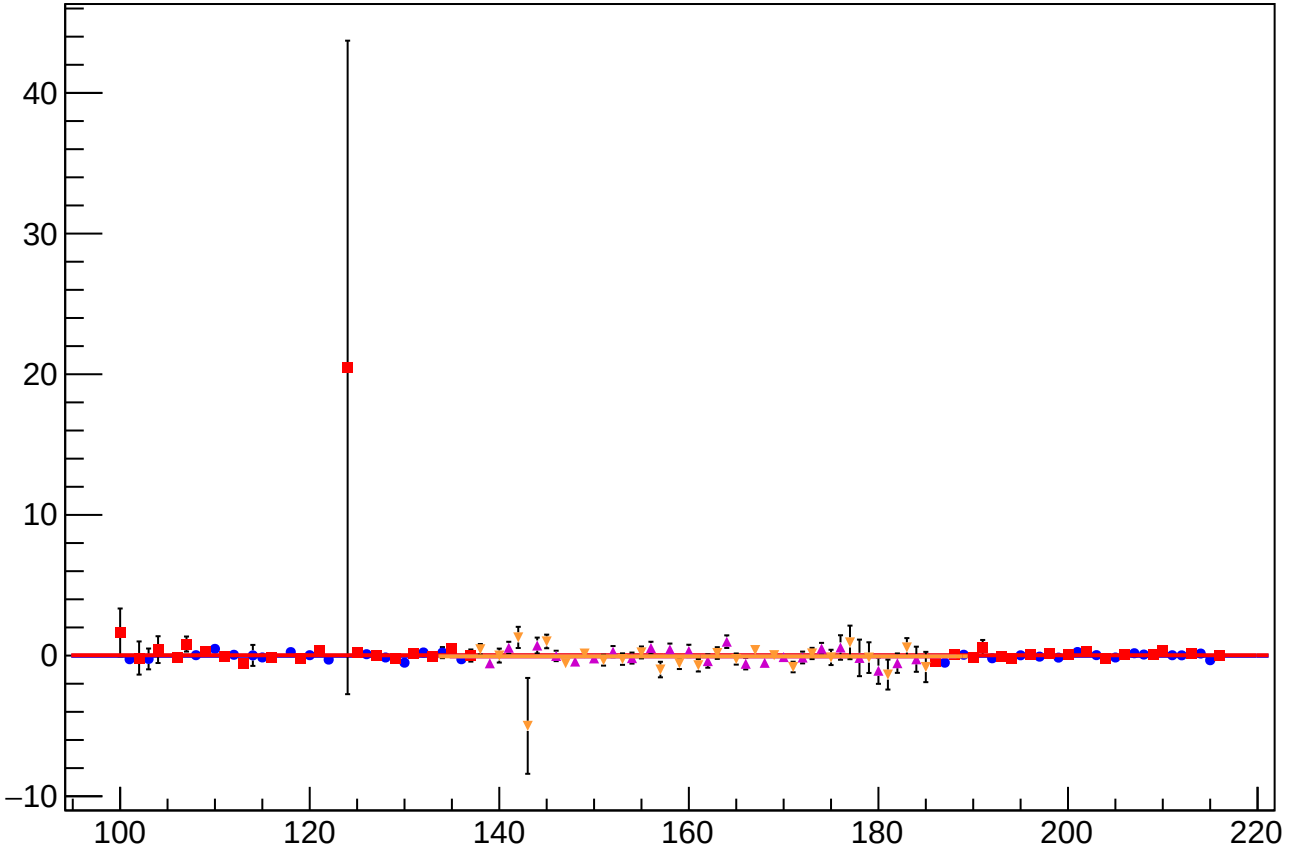
Right: 0.005+/-0.000 χ^2/NDF: 28801019.0/64

In: 0.007+/-0.000 χ^2/NDF:17726208.4/53

Out: 0.005+/-0.000 χ^2/NDF:29184567.4/57

All: 0.006+/-0.000 χ^2/NDF: 49138338.6/111

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: 0.024+/-0.033 χ^2/NDF: 36.0/34

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

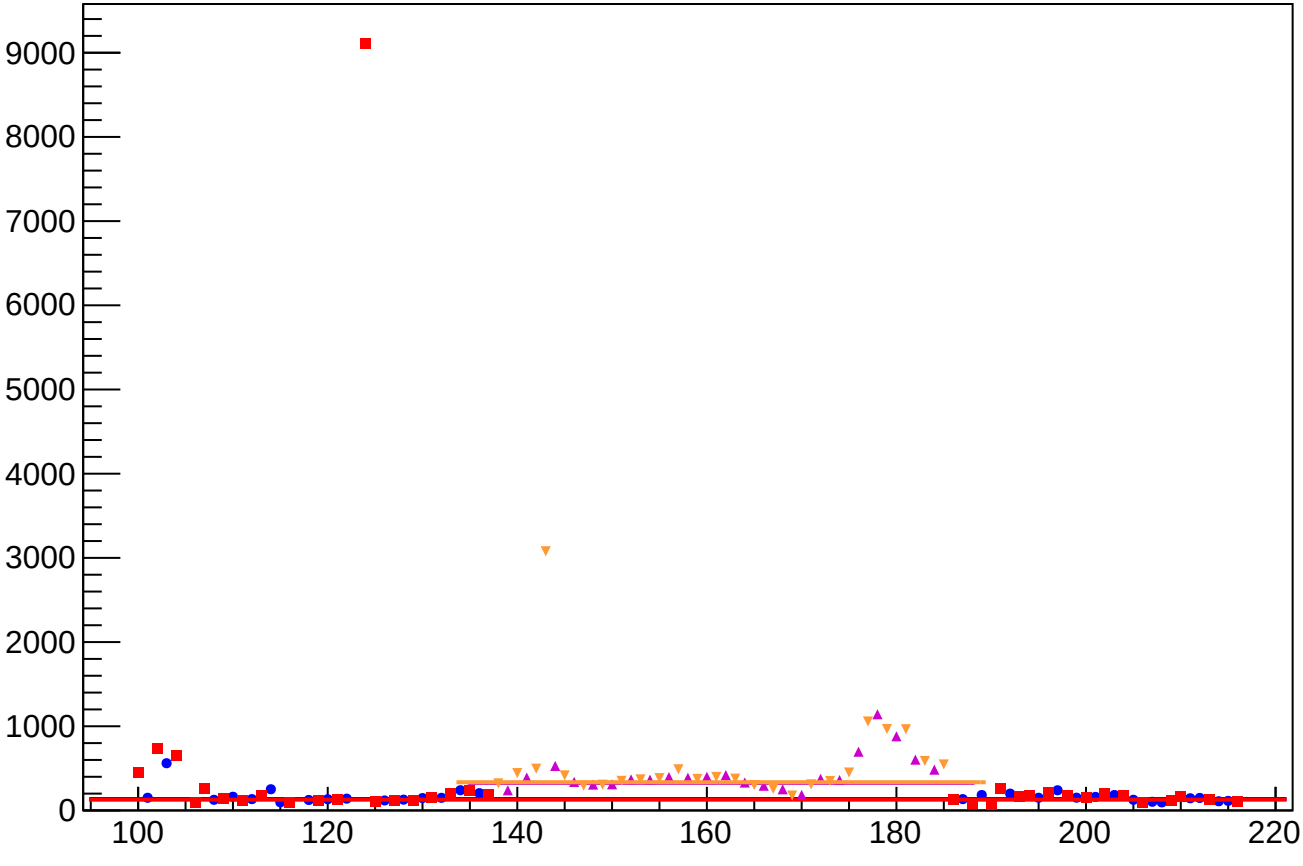
Right: 0.004+/-0.023 χ^2/NDF: 72.5/65

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.014+/-0.030 χ^2/NDF:69.8/59

All: -0.004+/-0.022 χ^2/NDF: 134.6/113

asym_atl_avg_eigen_dit_vs_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: 128.208+/-0.023 χ^2/NDF: 4333584.3/34

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

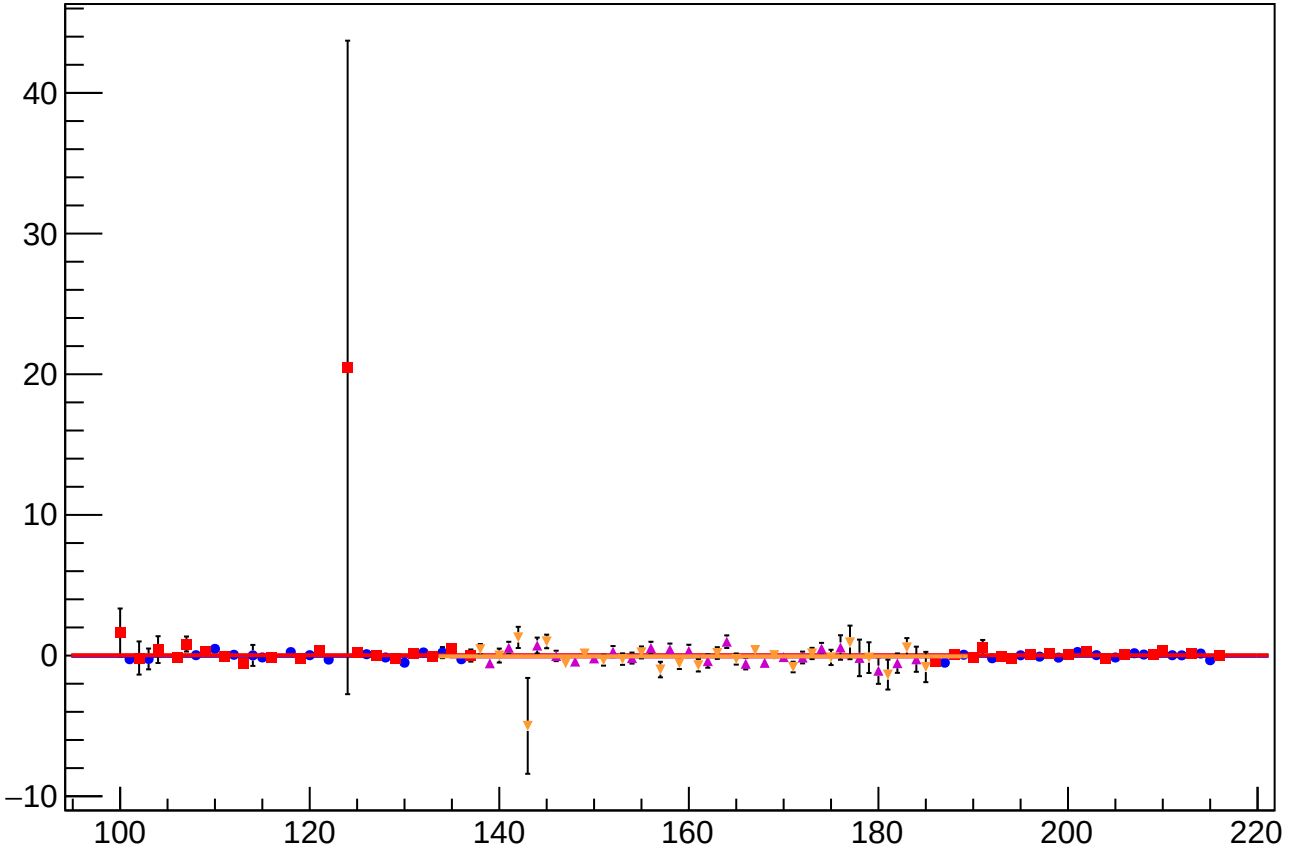
Right: 131.952+/-0.016 χ^2/NDF: 6874647.8/65

In: 162.884+/-0.022 χ^2/NDF:15860458.3/53

Out: 154.821+/-0.021 χ^2/NDF:20613166.9/59

All: 158.762+/-0.015 χ^2/NDF: 36542655.0/1

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: 0.024+/-0.033 χ^2/NDF: 36.0/34

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

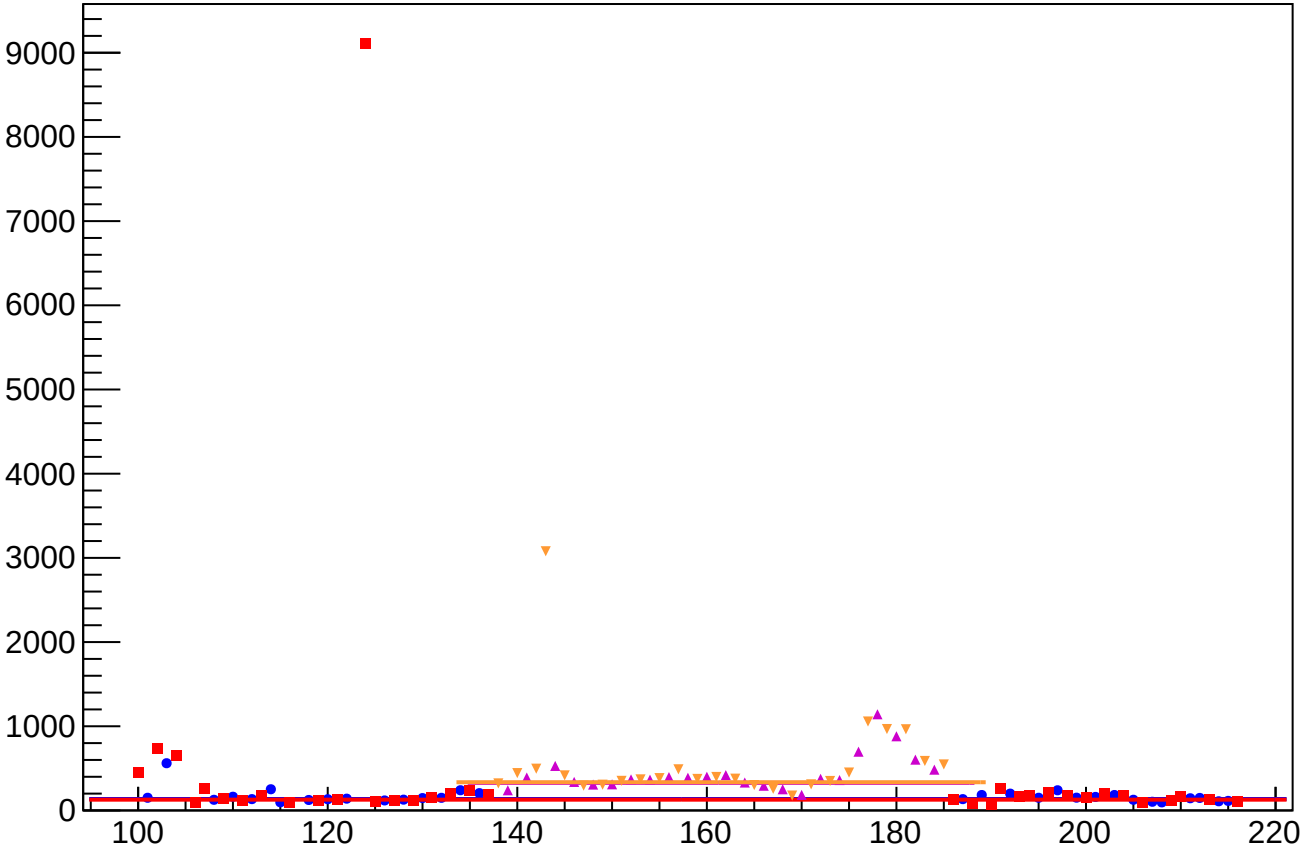
Right: 0.004+/-0.023 χ^2/NDF: 72.5/65

In: -0.023+/-0.031 χ^2/NDF:64.0/53

Out: 0.014+/-0.030 χ^2/NDF:69.8/59

All: -0.004+/-0.022 χ^2/NDF: 134.6/113

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: 128.208+/-0.023 χ^2/NDF: 4333584.3/34

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

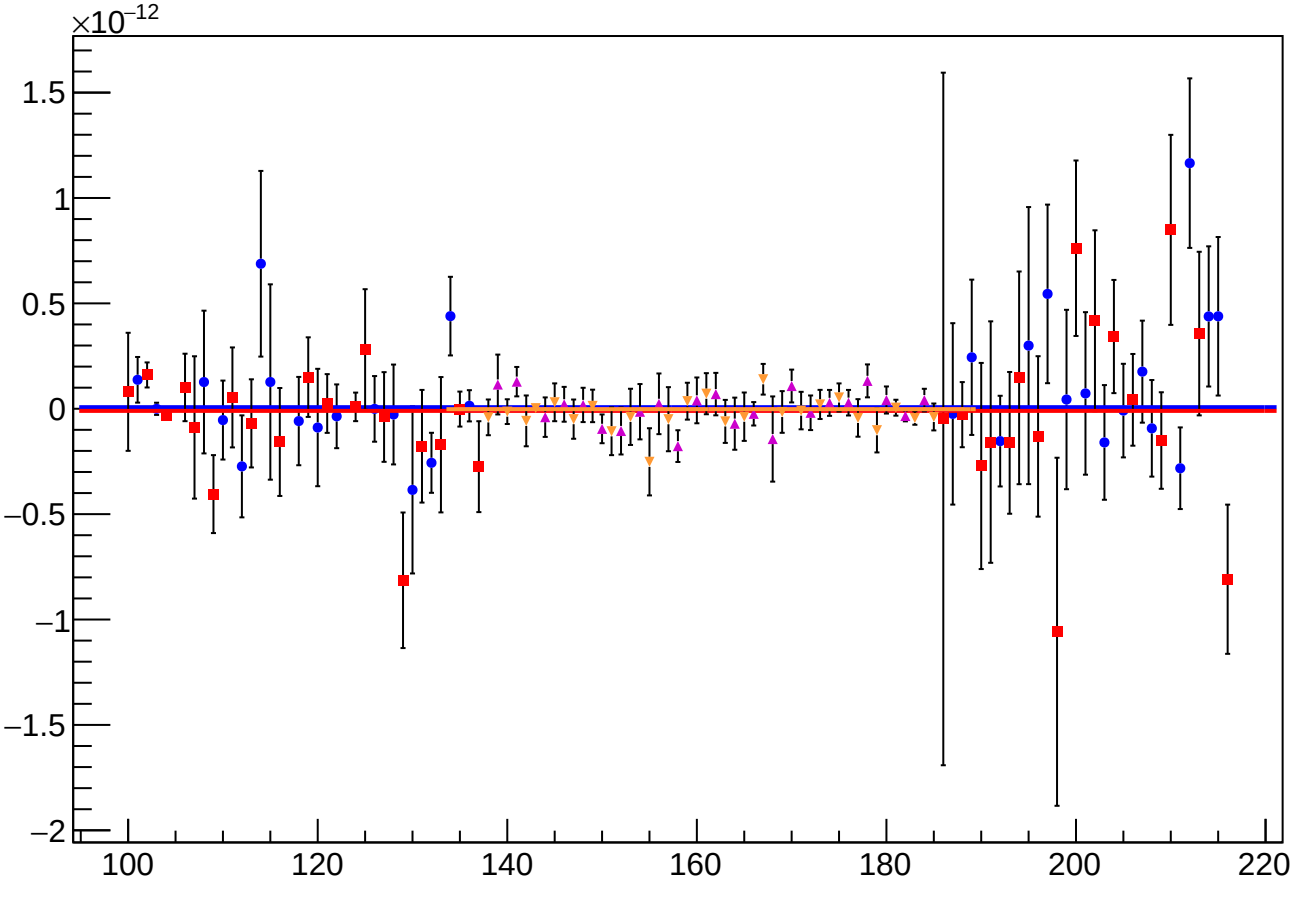
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 131.952+/-0.016 χ^2/NDF: 6874647.8/65

In: 162.884+/-0.022 χ^2/NDF:15860458.3/53

Out: 154.821+/-0.021 χ^2/NDF:20613166.9/59

All: 158.762+/-0.015 χ^2/NDF: 36542655.0/1



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: 43.7/34

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

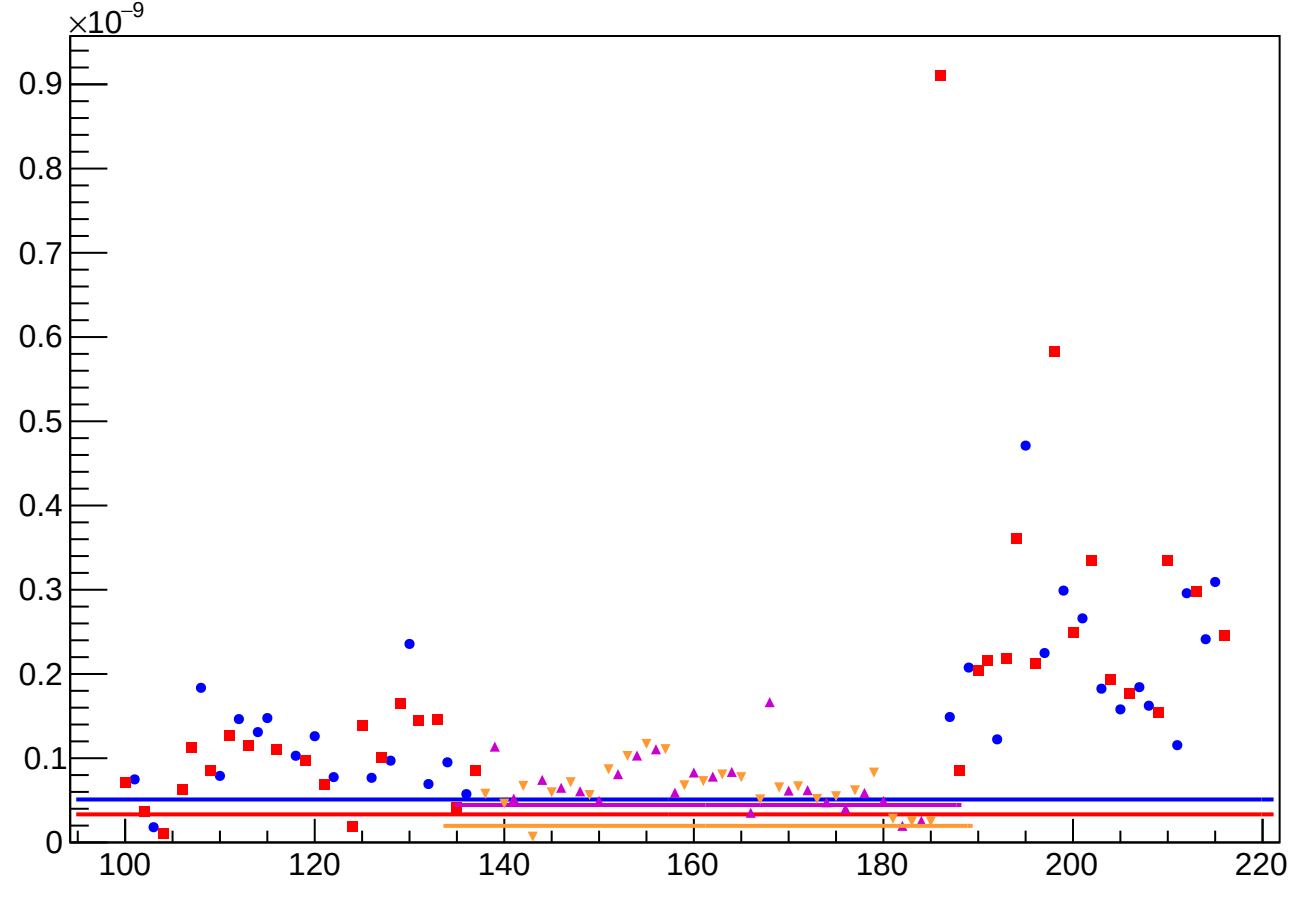
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 77.1/65

In: 0.000+/-0.000 χ^2/NDF:55.6/53

Out: -0.000+/-0.000 χ^2/NDF:57.5/59

All: -0.000+/-0.000 χ^2/NDF: 113.2/113



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: 15332998.3/34

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

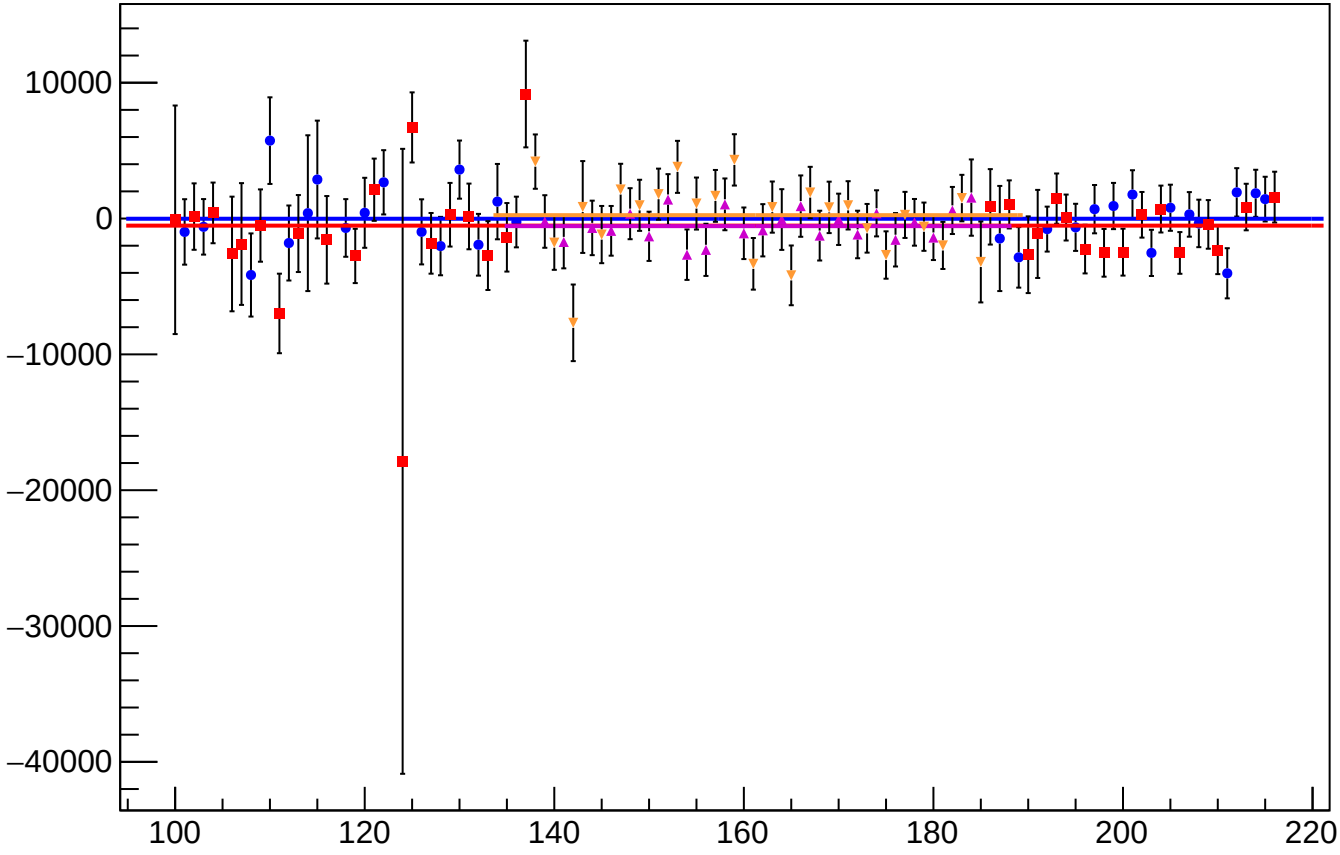
Right: 0.000+/-0.000 χ^2/NDF: 28336198.4/65

In: 0.000+/-0.000 χ^2/NDF:18303454.8/53

Out: 0.000+/-0.000 χ^2/NDF:31161360.1/59

All: 0.000+/-0.000 χ^2/NDF: 55273589.2/113

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: -522.114+/-374.145 χ^2/NDF: 35.9/34

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

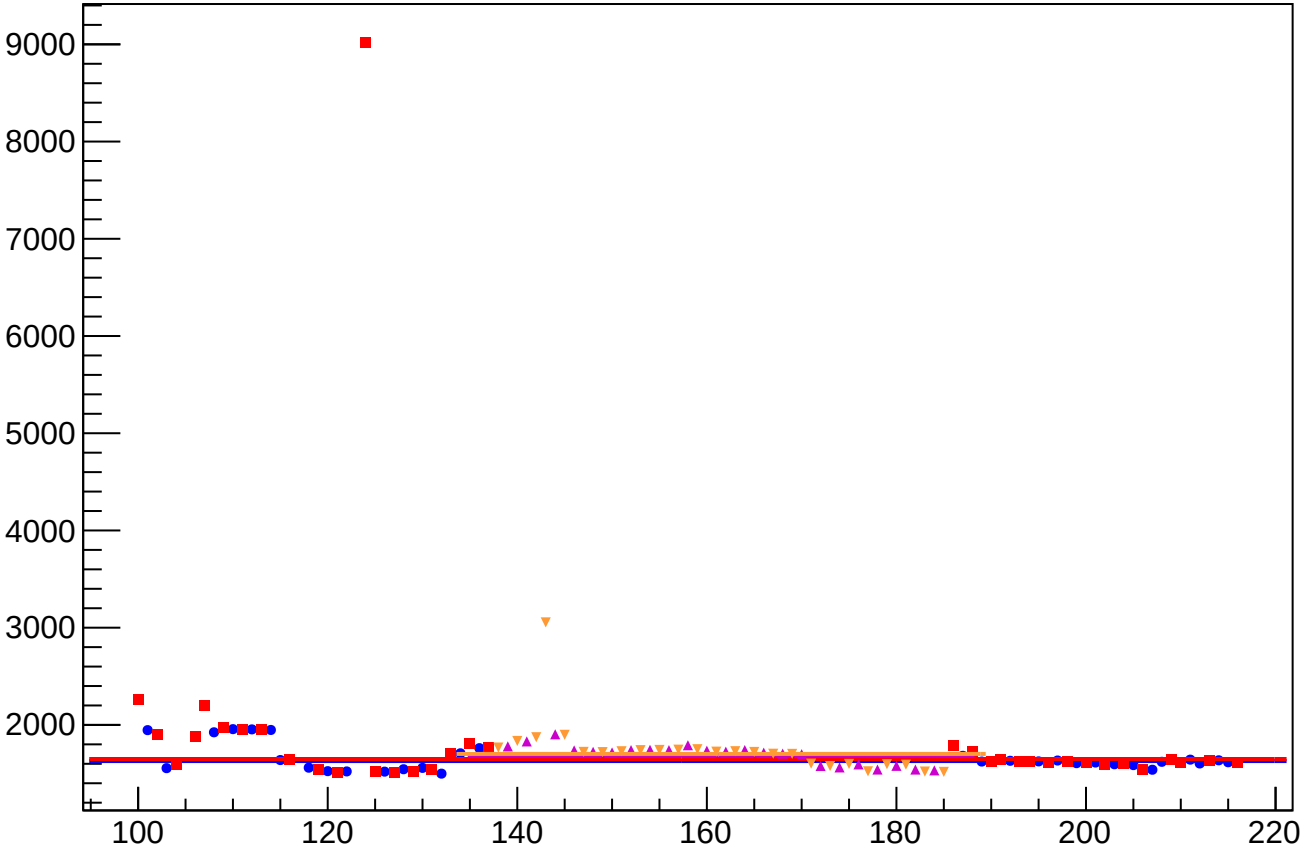
Right: -266.794+/-263.651 χ^2/NDF: 63.2/65

In: -270.765+/-270.686 χ^2/NDF:34.9/53

Out: -151.759+/-269.601 χ^2/NDF:77.5/59

All: -211.024+/-191.019 χ^2/NDF: 112.5/113

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: 1649.458+/-0.264 χ^2/NDF: 423862.4/34

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

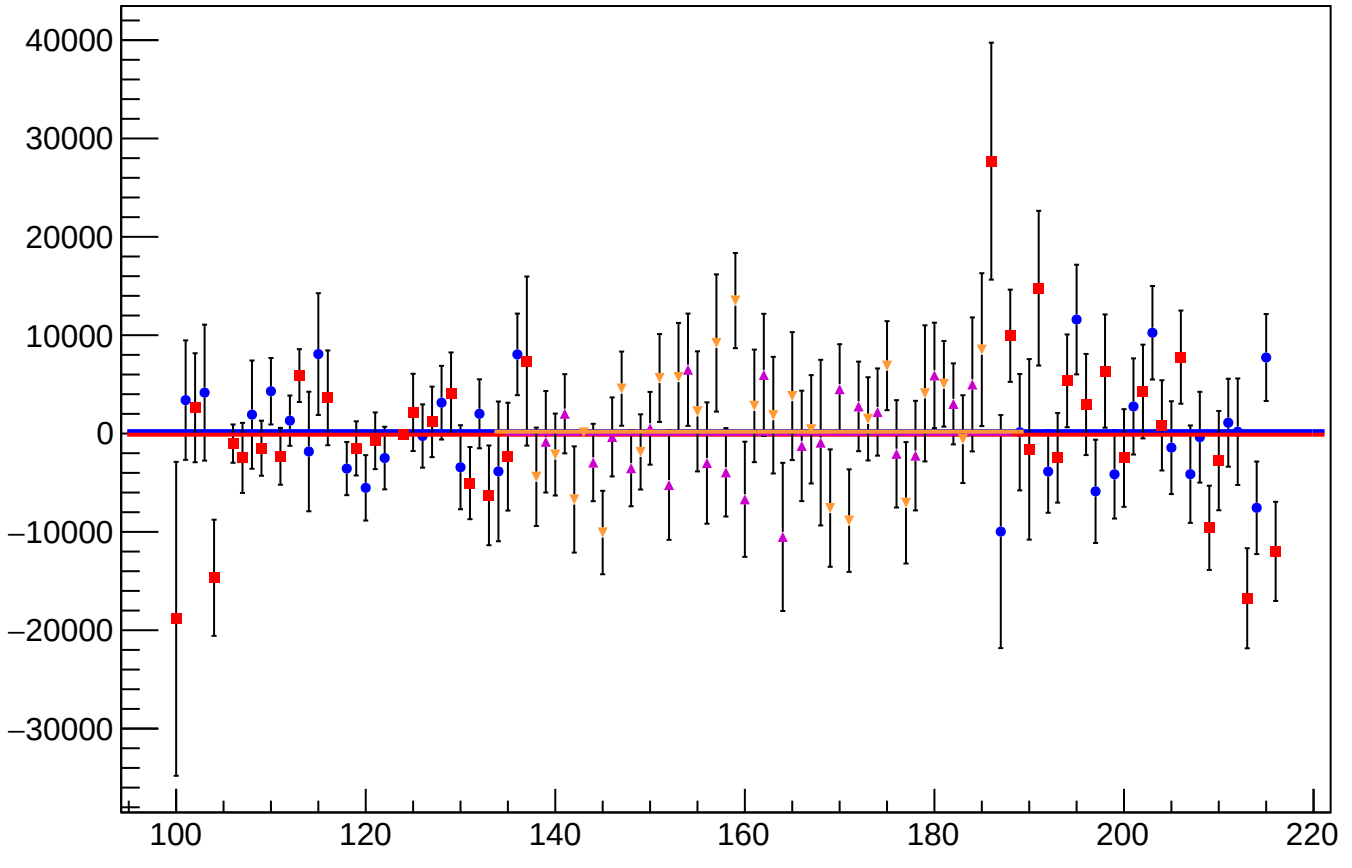
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1638.783+/-0.186 χ^2/NDF: 584915.9/65

In: 1656.868+/-0.191 χ^2/NDF:305450.8/53

Out: 1674.476+/-0.190 χ^2/NDF:894932.6/59

All: 1665.715+/-0.135 χ^2/NDF: 1204635.3/11



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: -117.254+/-314.148 χ^2/NDF: 62.9/34

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

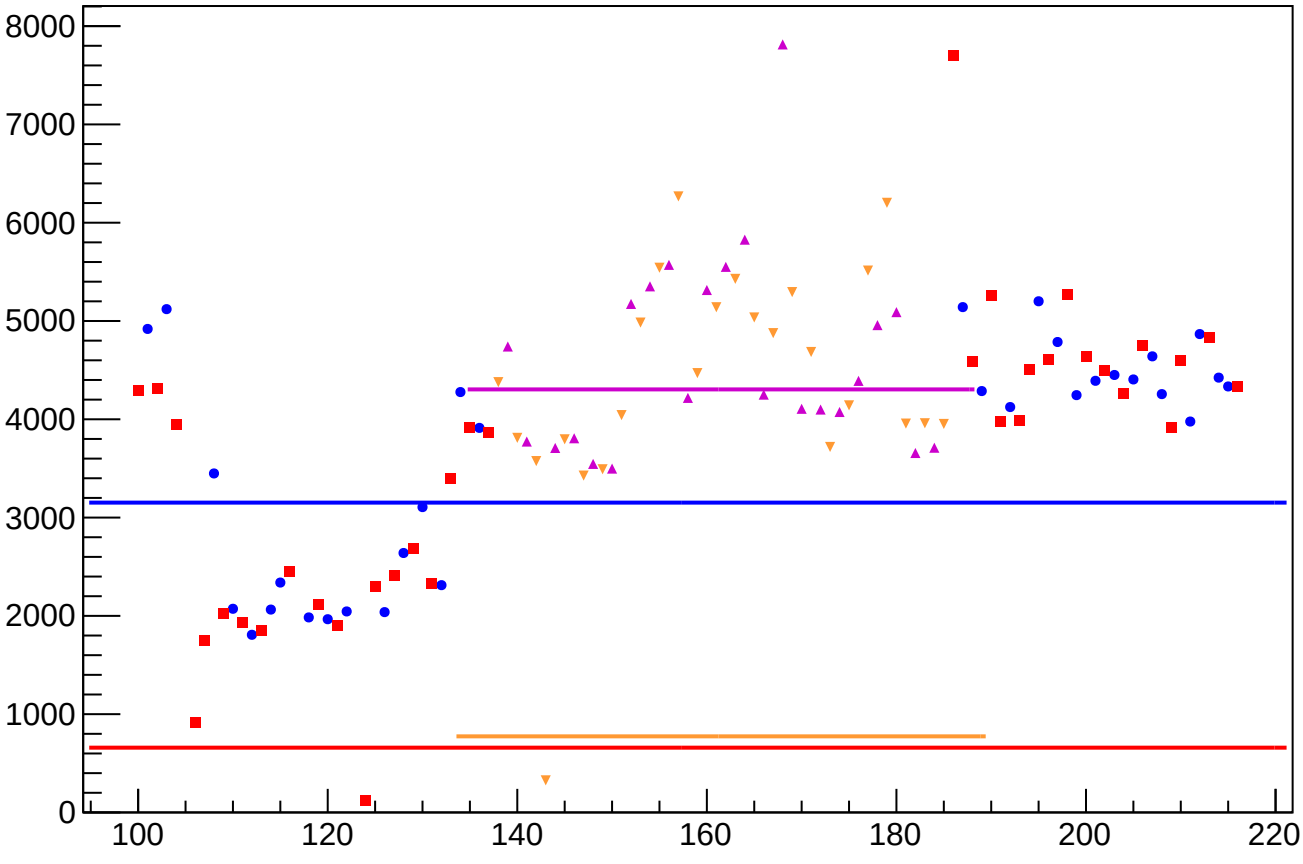
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -65.393+/-290.801 χ^2/NDF: 97.7/65

In: 146.605+/-615.075 χ^2/NDF:48.0/53

Out: 24.448+/-231.706 χ^2/NDF:97.2/59

All: 39.629+/-216.831 χ^2/NDF: 145.3/113



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: 659.189+/-0.222 χ^2/NDF: 30056126.1/34

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

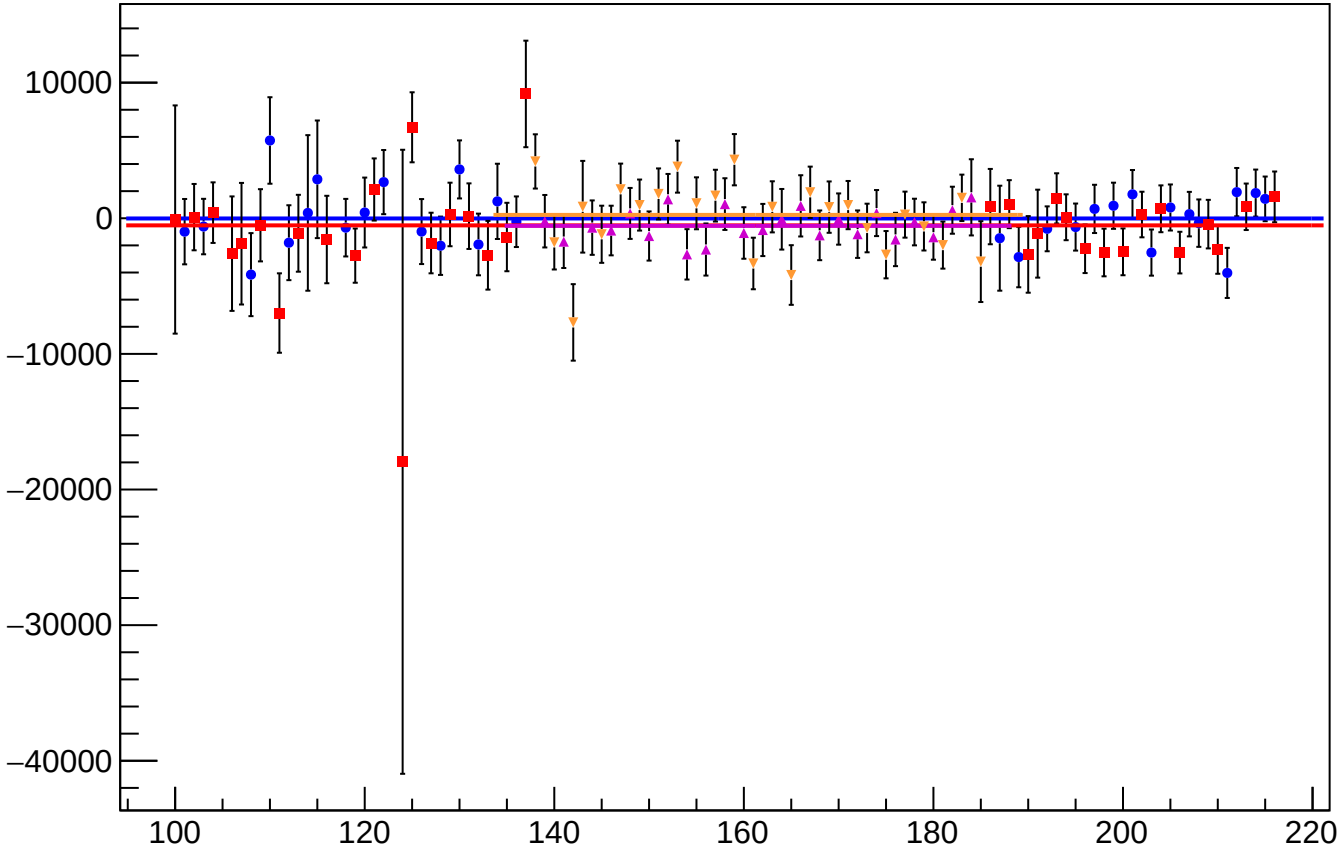
Right: 1015.980+/-0.206 χ^2/NDF: 52746230.7/65

In: 3566.580+/-0.435 χ^2/NDF:7495780.3/53

Out: 711.647+/-0.164 χ^2/NDF:58264016.8/59

All: 1066.447+/-0.153 χ^2/NDF: 103493845.0

cor_asym_atl_dd_mean vs Slug, Sign Corrected



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: -523.589+/-374.146 χ^2/NDF: 35.9/34

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

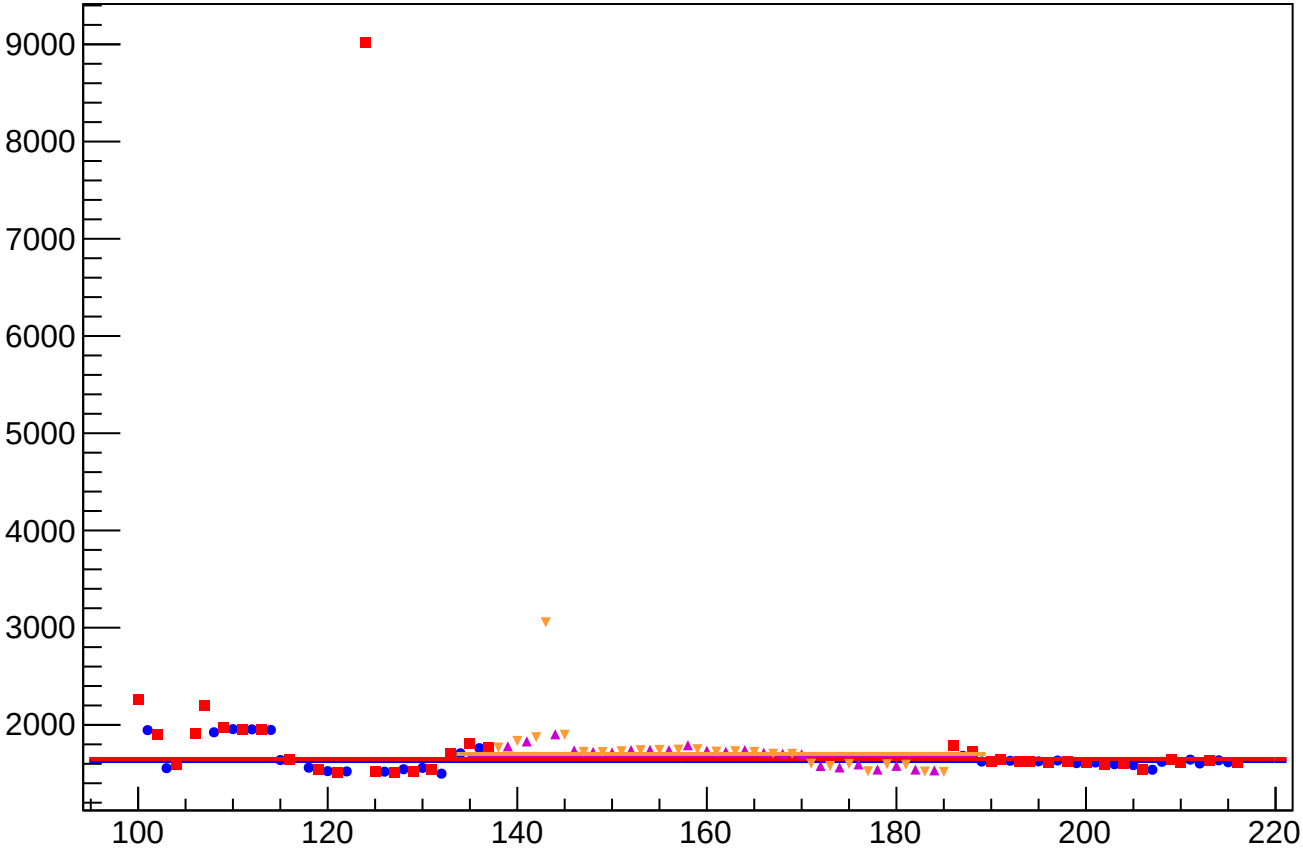
Right: -267.494+/-263.651 χ^2/NDF: 63.2/65

In: -270.717+/-270.686 χ^2/NDF:34.9/53

Out: -152.532+/-269.602 χ^2/NDF:77.5/59

All: -211.387+/-191.019 χ^2/NDF: 112.5/113

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: 1649.721+/-0.264 χ^2/NDF: 425980.6/34

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

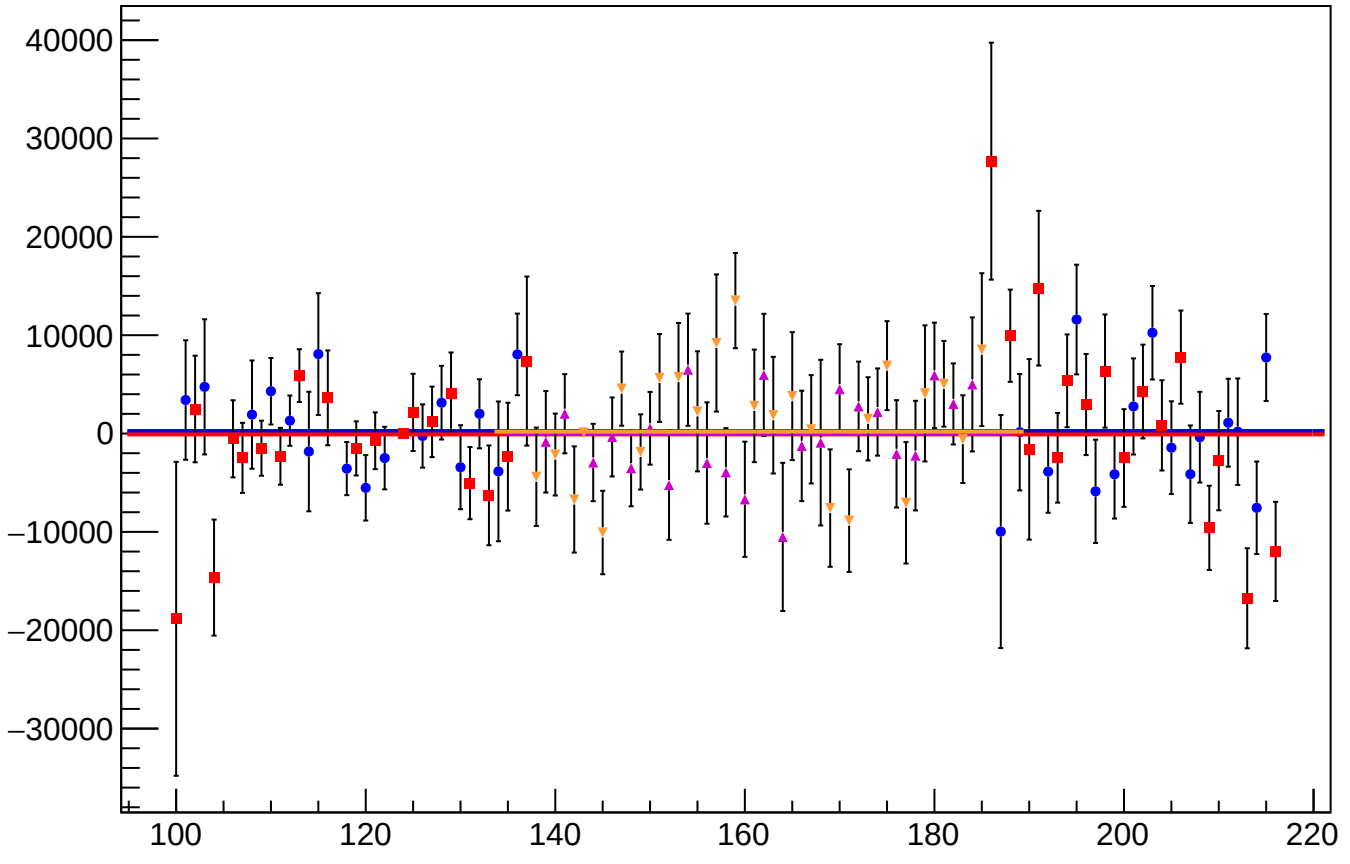
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1638.912+/-0.186 χ^2/NDF: 587114.3/65

In: 1656.868+/-0.191 χ^2/NDF:305450.8/53

Out: 1674.617+/-0.190 χ^2/NDF:896860.0/59

All: 1665.785+/-0.135 χ^2/NDF: 1206630.6/11



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: -86.145+/-306.860 χ^2/NDF: 62.7/34

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

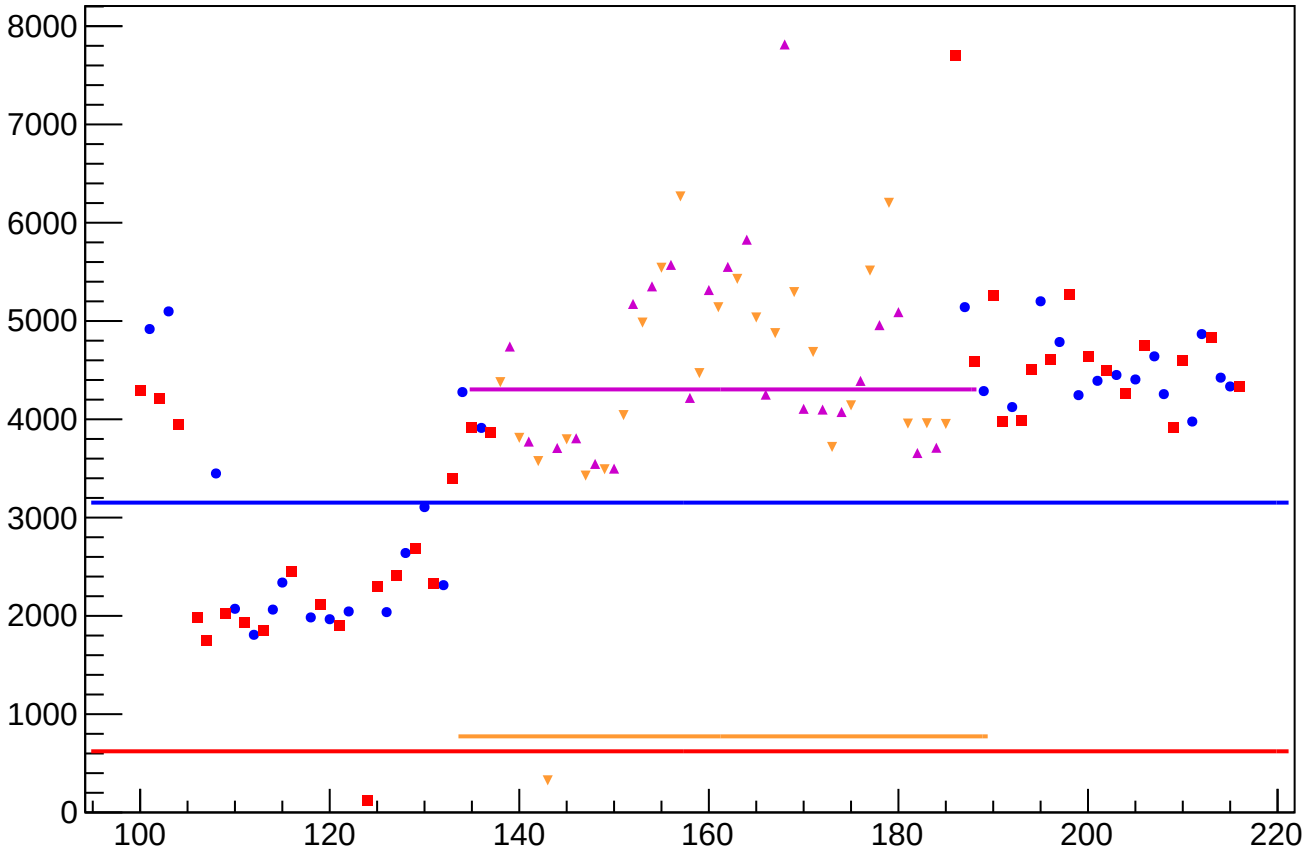
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -39.493+/-284.988 χ^2/NDF: 97.6/65

In: 151.782+/-615.043 χ^2/NDF:48.1/53

Out: 38.315+/-228.728 χ^2/NDF:97.0/59

All: 52.101+/-214.383 χ^2/NDF: 145.1/113



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: 622.141+/-0.217 χ^2/NDF: 30706693.8/34

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

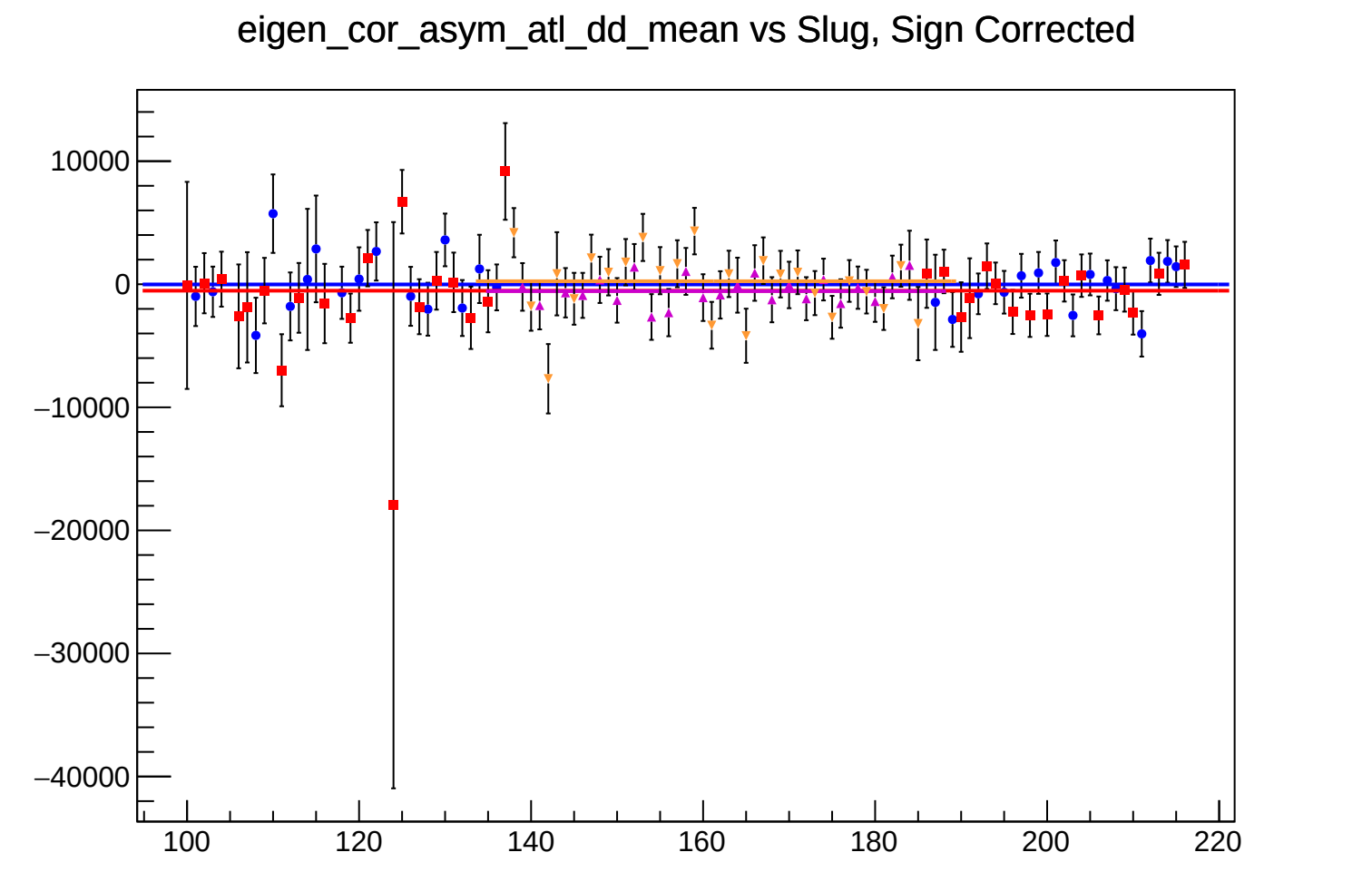
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 969.957+/-0.202 χ^2/NDF: 54059691.3/65

In: 3566.531+/-0.435 χ^2/NDF:7493938.3/53

Out: 689.691+/-0.162 χ^2/NDF:59011235.0/59

All: 1039.223+/-0.152 χ^2/NDF: 104946014.6



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: -523.589+/-374.146 χ^2/NDF: 35.9/34

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

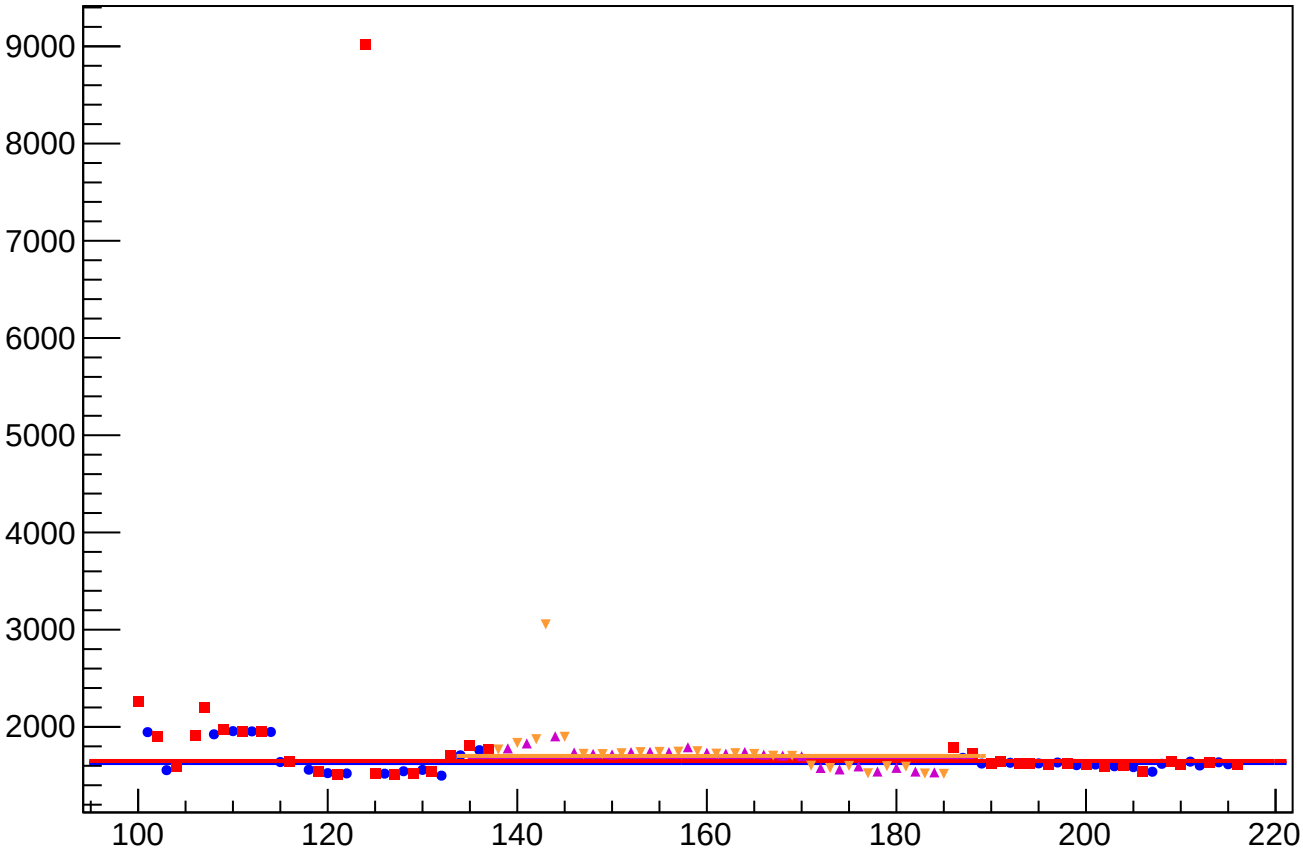
Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

Right: -267.494+/-263.651 χ^2/NDF: 63.2/65

In: -270.717+/-270.686 χ^2/NDF:34.9/53

Out: -152.532+/-269.602 χ^2/NDF:77.5/59

All: -211.387+/-191.019 χ^2/NDF: 112.5/113



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: 1649.721+/-0.264 χ^2/NDF: 425980.6/34

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

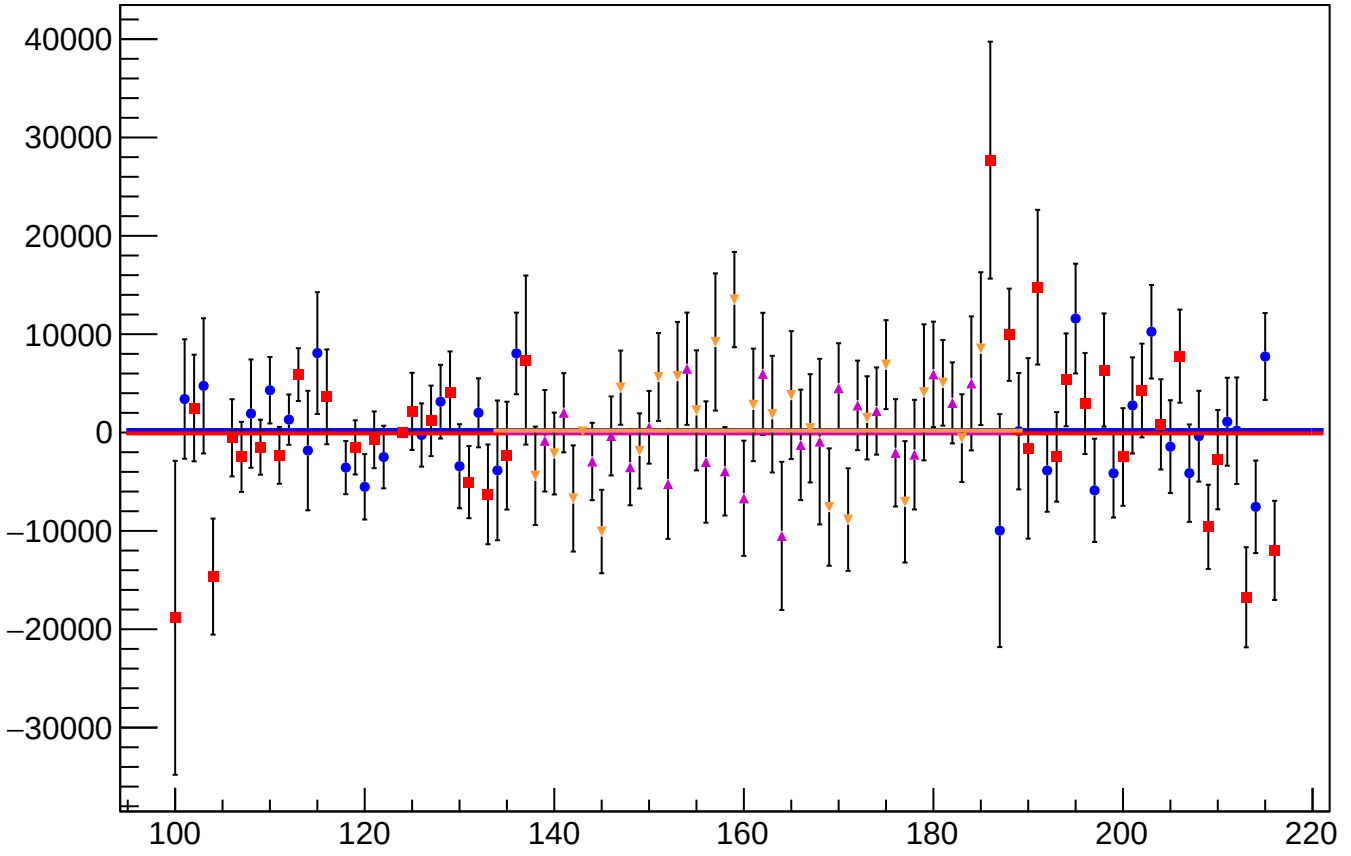
Right: 1638.912+/-0.186 χ^2/NDF: 587114.3/65

In: 1656.868+/-0.191 χ^2/NDF:305450.8/53

Out: 1674.617+/-0.190 χ^2/NDF:896860.0/59

All: 1665.785+/-0.135 χ^2/NDF: 1206630.6/11

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: -86.145+/-306.860 χ^2/NDF: 62.7/34

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

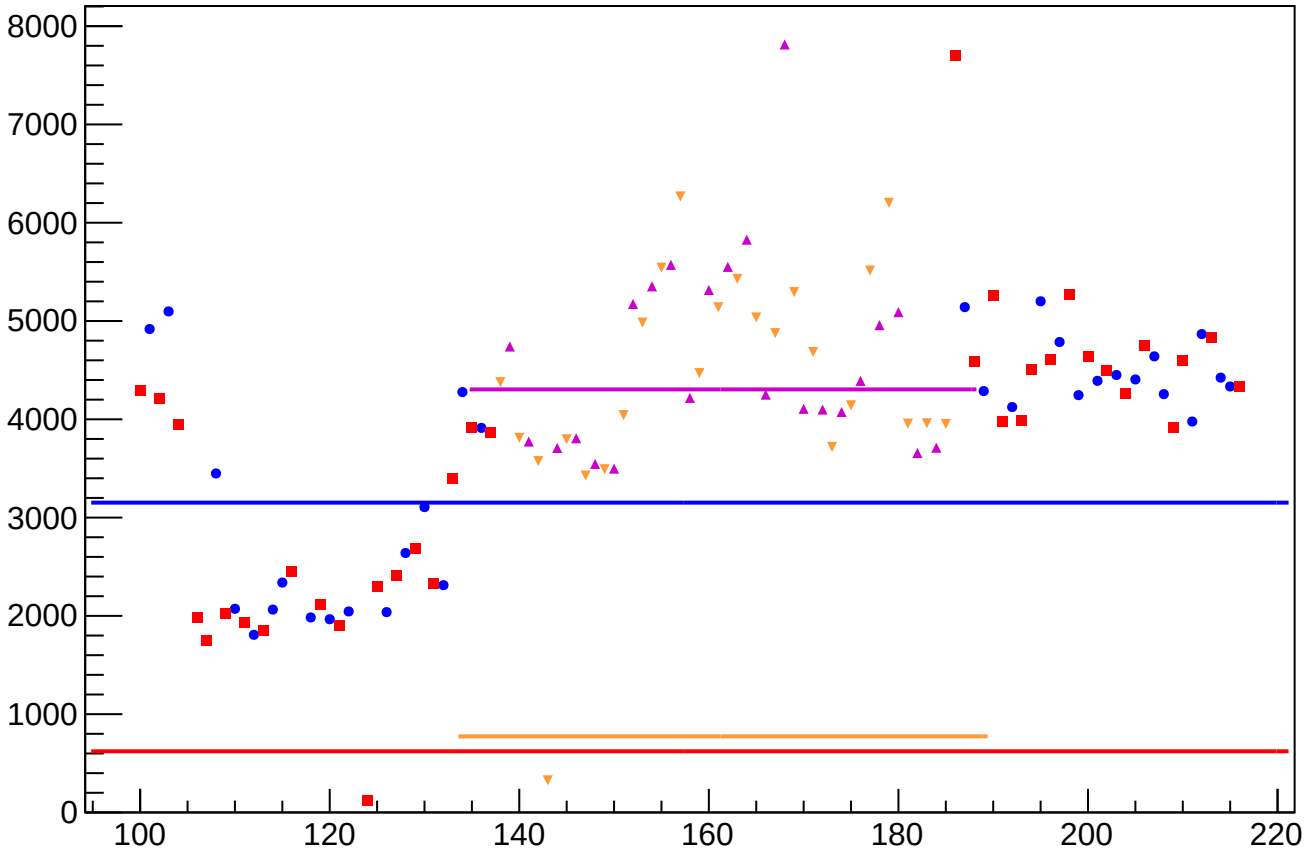
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -39.493+/-284.988 χ^2/NDF: 97.6/65

In: 151.782+/-615.043 χ^2/NDF:48.1/53

Out: 38.315+/-228.728 χ^2/NDF:97.0/59

All: 52.101+/-214.383 χ^2/NDF: 145.1/113



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: 622.141+/-0.217 χ^2/NDF: 30706693.8/34

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

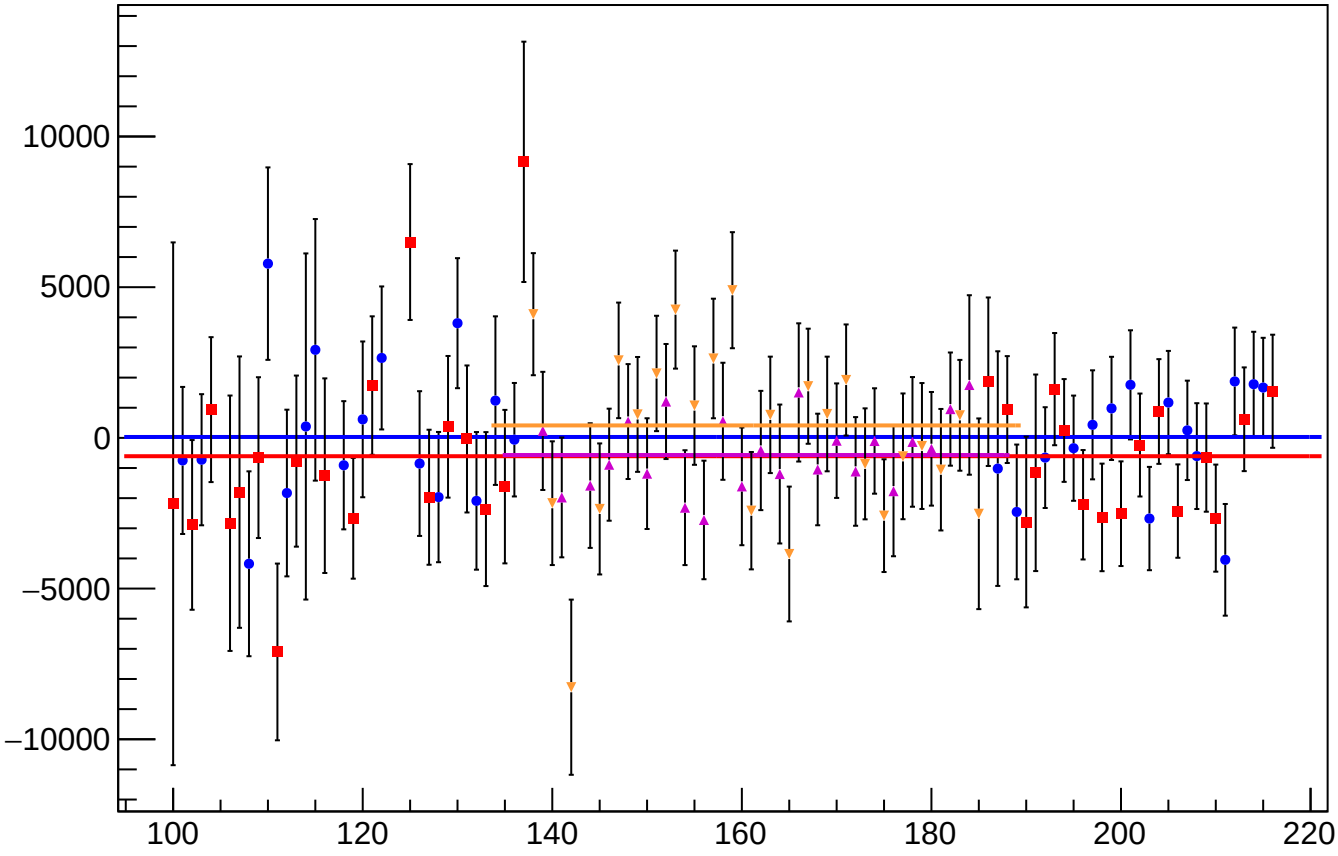
Right: 969.957+/-0.202 χ^2/NDF: 54059691.3/65

In: 3566.531+/-0.435 χ^2/NDF:7493938.3/53

Out: 689.691+/-0.162 χ^2/NDF:59011235.0/59

All: 1039.223+/-0.152 χ^2/NDF: 104946014.6

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: -608.233+/-378.308 χ^2/NDF: 35.7/33

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

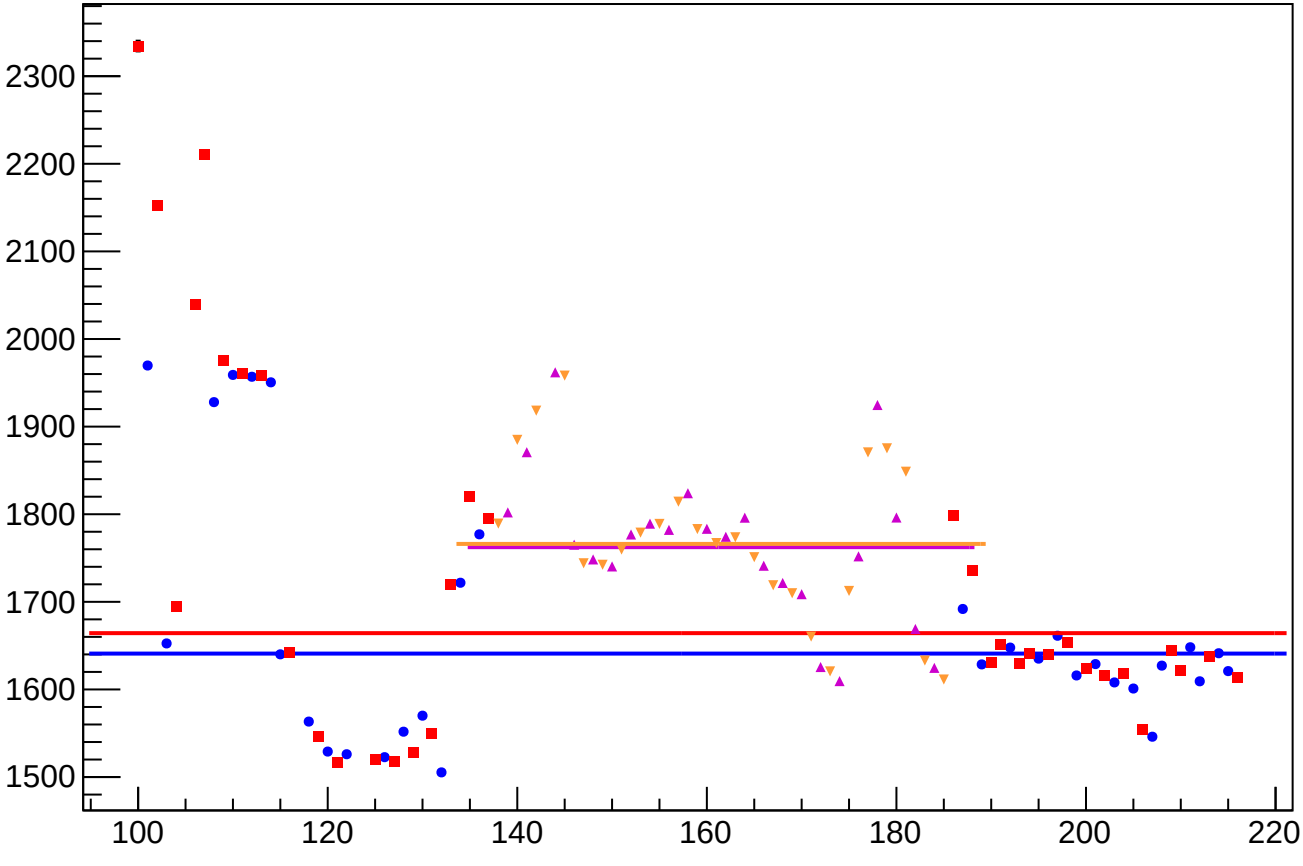
Right: -285.896+/-266.152 χ^2/NDF: 63.8/64

In: -240.894+/-277.143 χ^2/NDF:35.5/53

Out: -139.127+/-278.201 χ^2/NDF:79.1/57

All: -190.204+/-196.343 χ^2/NDF: 114.6/111

dit_asym_atl_dd_rms vs Slug, Sign Corrected



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: 1664.270+/-0.267 χ^2/NDF: 268607.7/33

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

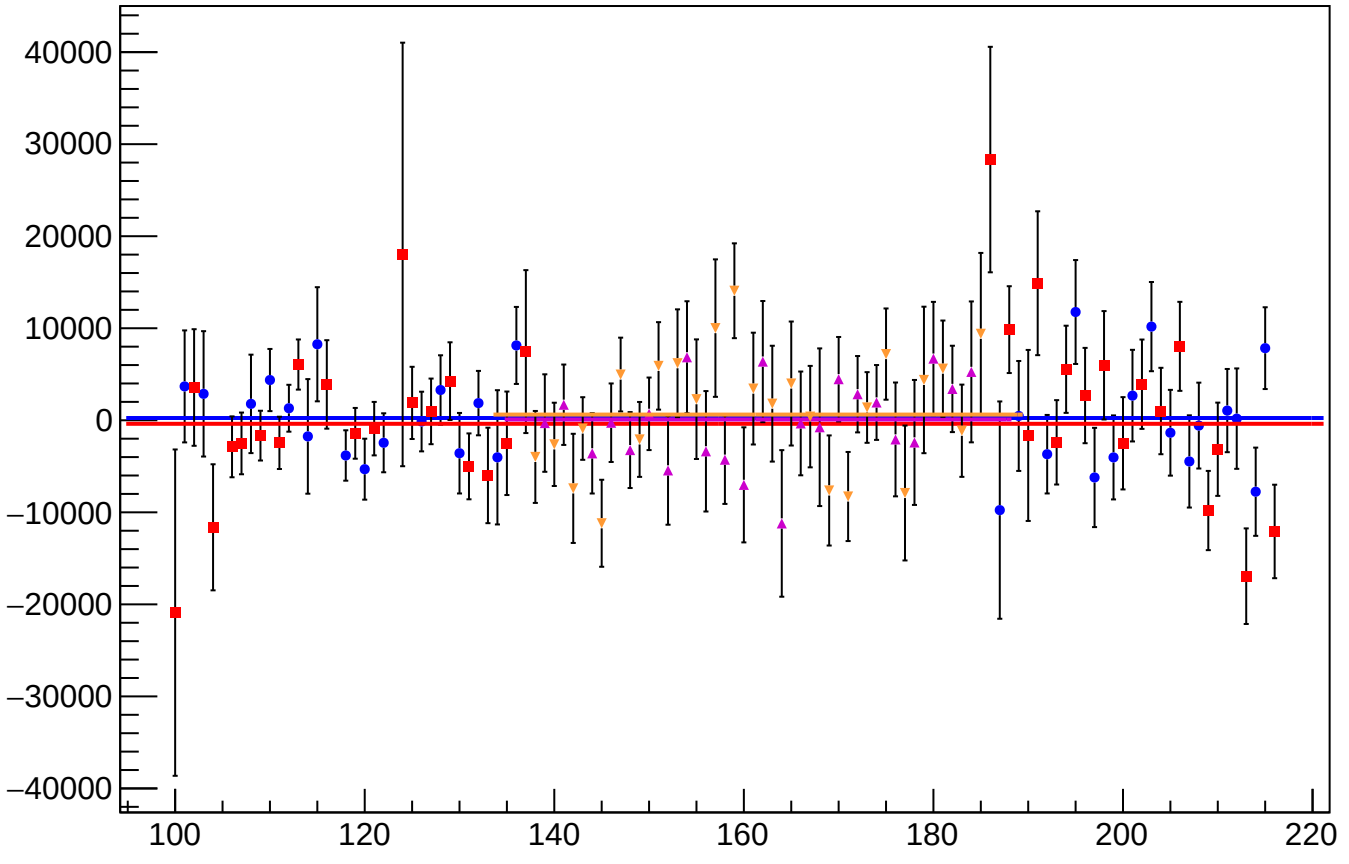
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1652.493+/-0.188 χ^2/NDF: 429556.6/64

In: 1695.885+/-0.196 χ^2/NDF:332375.8/53

Out: 1710.998+/-0.197 χ^2/NDF:418471.7/57

All: 1703.416+/-0.139 χ^2/NDF: 753811.4/111



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: -382.005+/-733.875 χ^2/NDF: 60.7/34

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

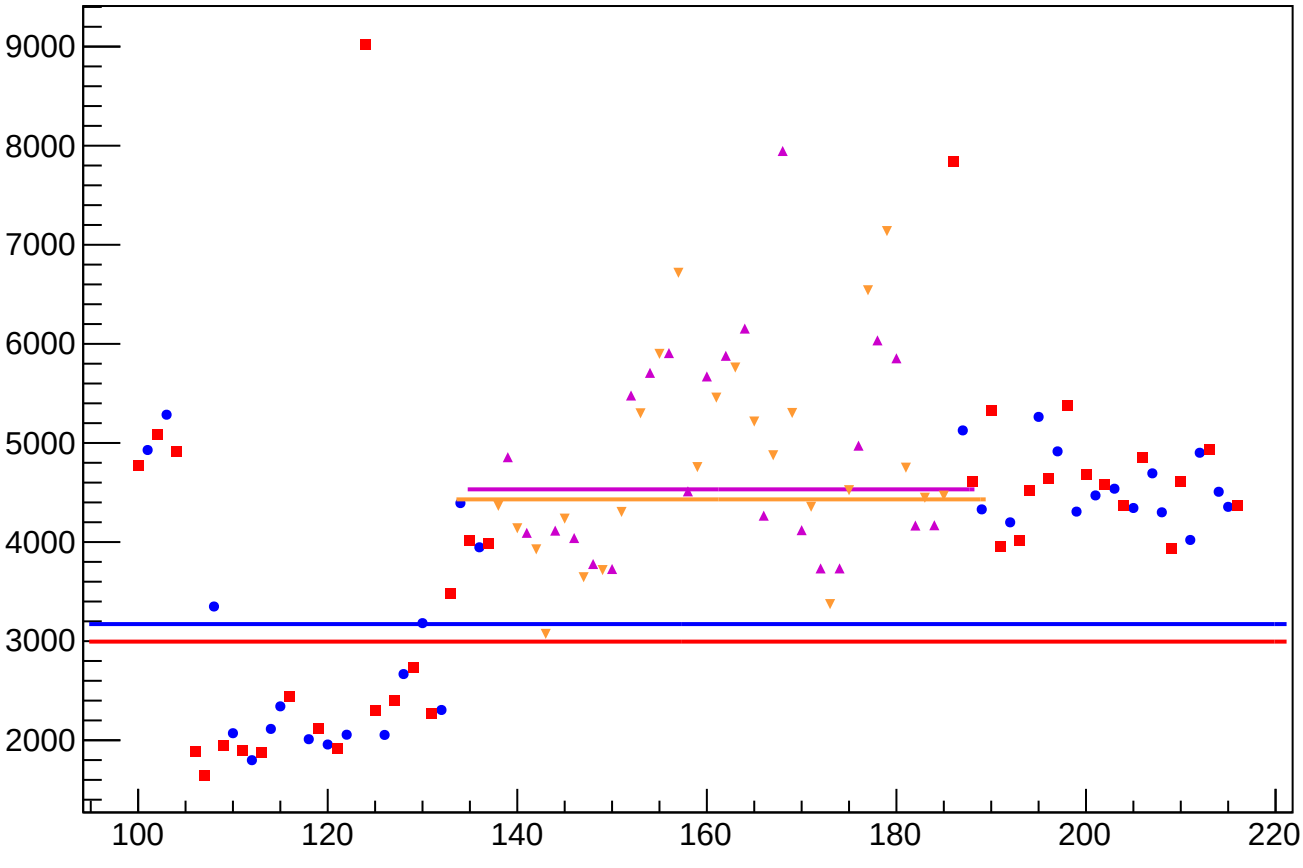
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: -84.140+/-532.491 χ^2/NDF: 95.6/65

In: 192.410+/-629.520 χ^2/NDF:47.4/53

Out: -46.742+/-598.589 χ^2/NDF:94.4/59

All: 66.815+/-433.789 χ^2/NDF: 141.9/113



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: 2995.381+/-0.519 χ^2/NDF: 6007638.9/34

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

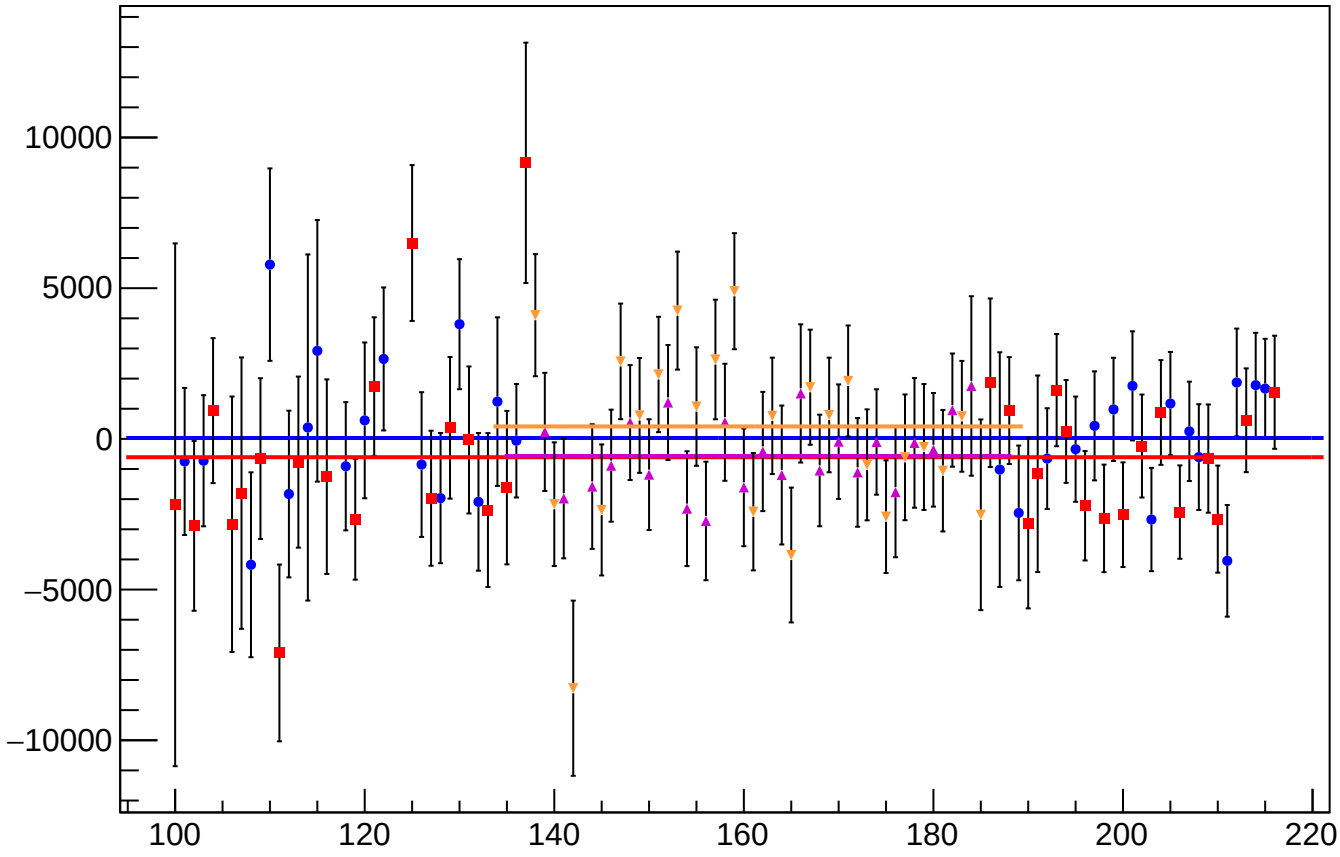
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 3079.135+/-0.377 χ^2/NDF: 10849931.5/65

In: 3632.083+/-0.445 χ^2/NDF:8252003.9/53

Out: 3475.824+/-0.423 χ^2/NDF:10181885.6/59

All: 3550.020+/-0.307 χ^2/NDF: 18498604.6/1



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: -608.231+/-378.308 χ^2/NDF: 35.7/33

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

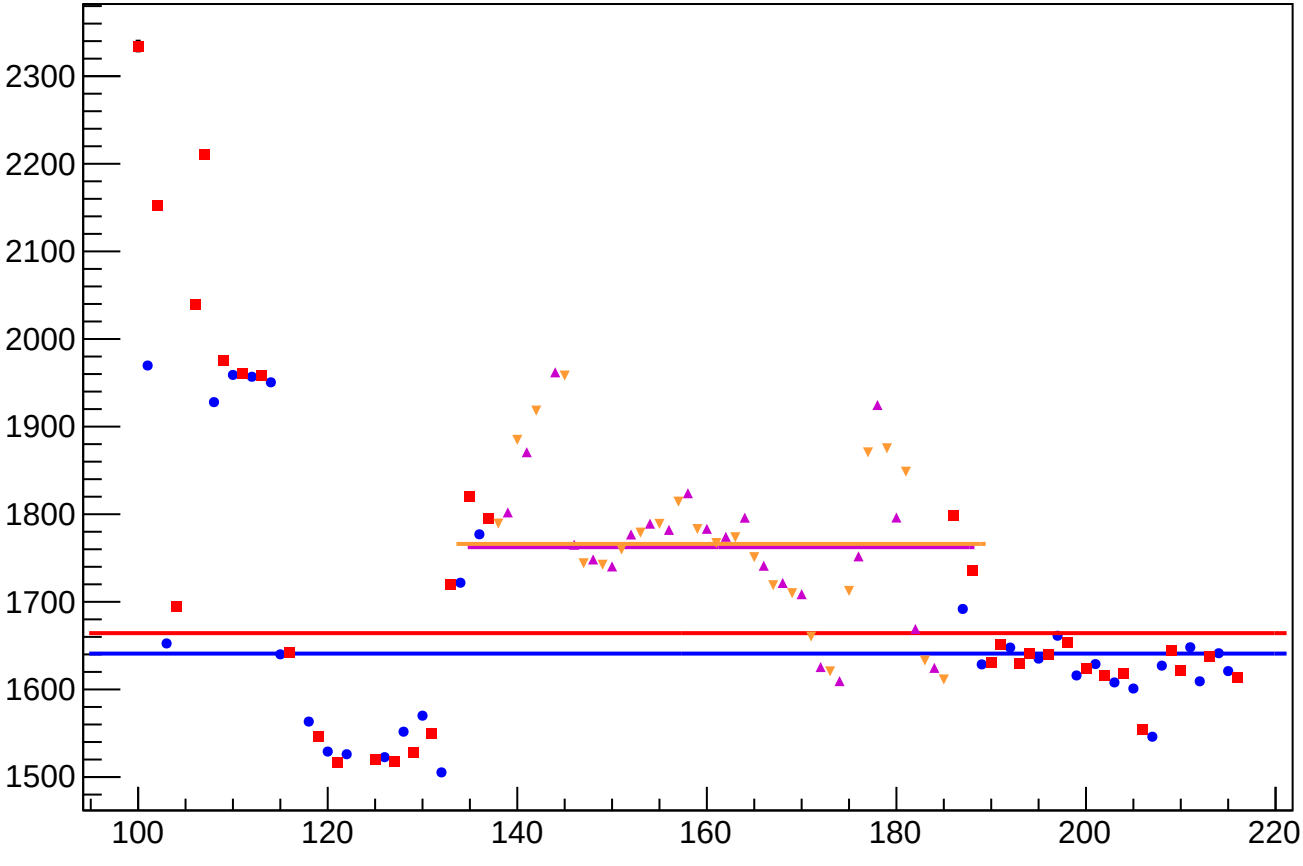
Right: -285.896+/-266.152 χ^2/NDF: 63.8/64

In: -240.894+/-277.143 χ^2/NDF:35.5/53

Out: -139.125+/-278.201 χ^2/NDF:79.1/57

All: -190.204+/-196.343 χ^2/NDF: 114.6/111

eigen_dit_asym_atl_dd_rms vs Slug, Sign Corrected



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: 1664.270+/-0.267 χ^2/NDF: 268606.4/33

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

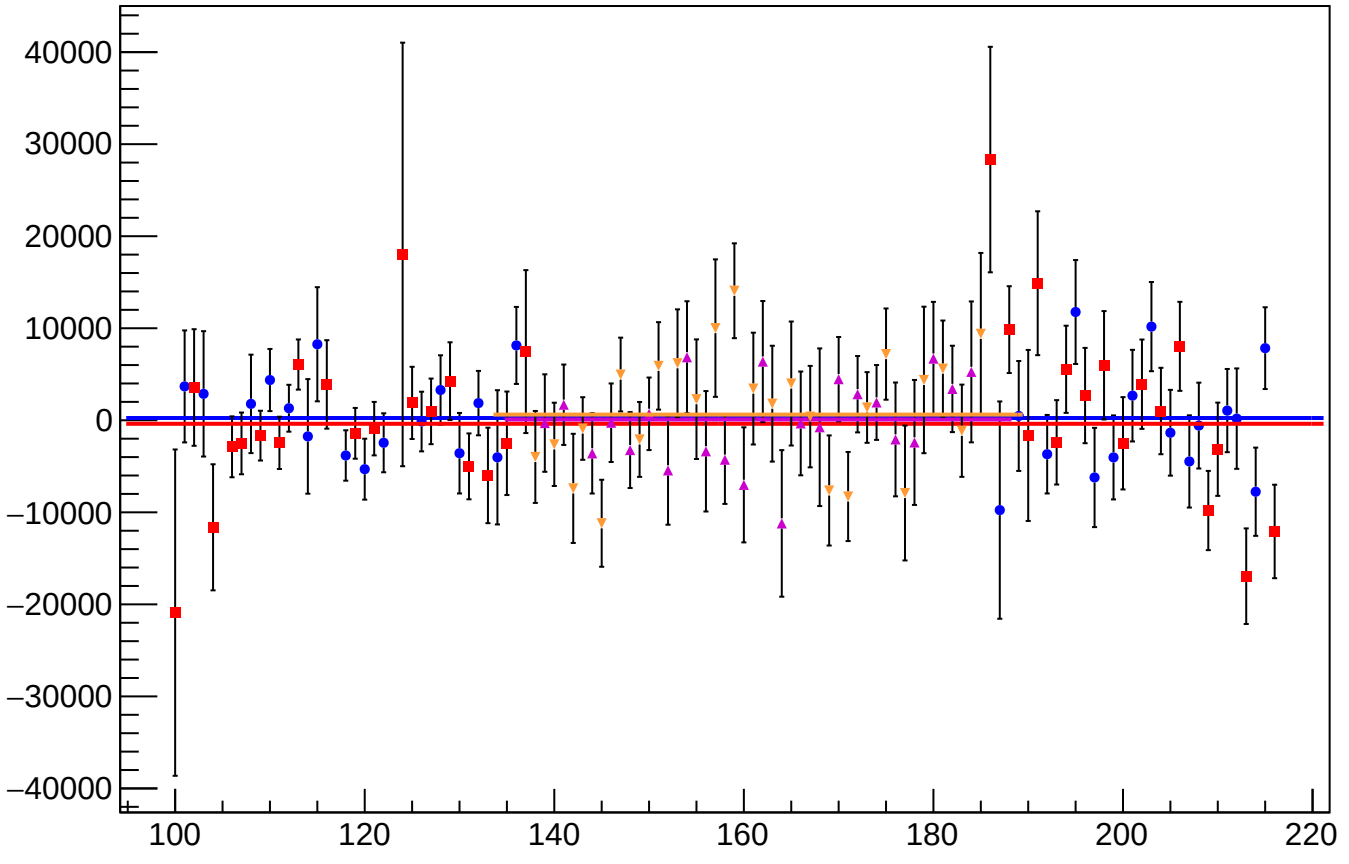
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1652.493+/-0.188 χ^2/NDF: 429555.2/64

In: 1695.885+/-0.196 χ^2/NDF:332379.7/53

Out: 1710.999+/-0.197 χ^2/NDF:418474.5/57

All: 1703.417+/-0.139 χ^2/NDF: 753818.2/111



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: -382.008+/-733.873 χ^2/NDF: 60.7/34

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

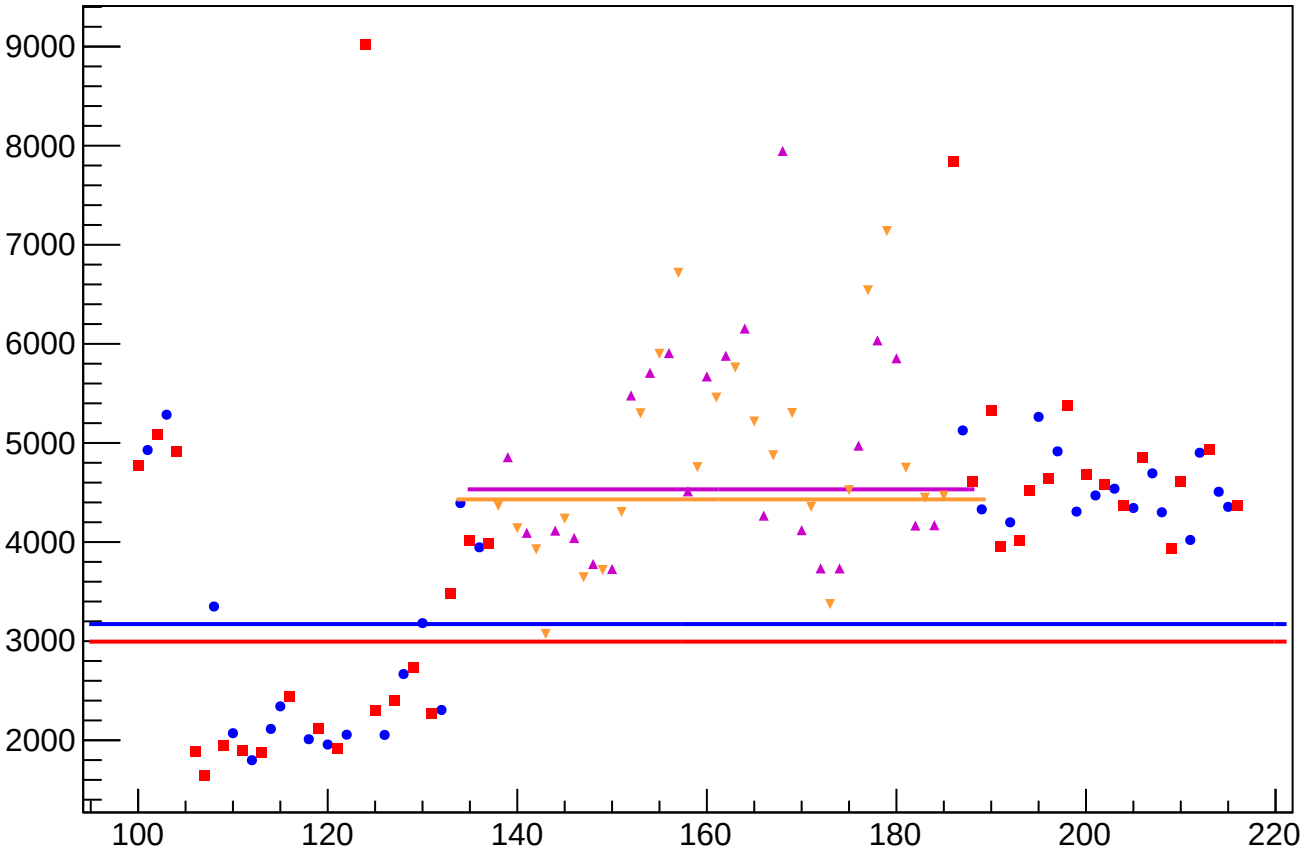
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: -84.145+/-532.490 χ^2/NDF: 95.6/65

In: 192.407+/-629.519 χ^2/NDF:47.4/53

Out: -46.744+/-598.588 χ^2/NDF:94.4/59

All: 66.812+/-433.789 χ^2/NDF: 141.9/113



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: 2995.372+/-0.519 χ^2/NDF: 6007702.6/34

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

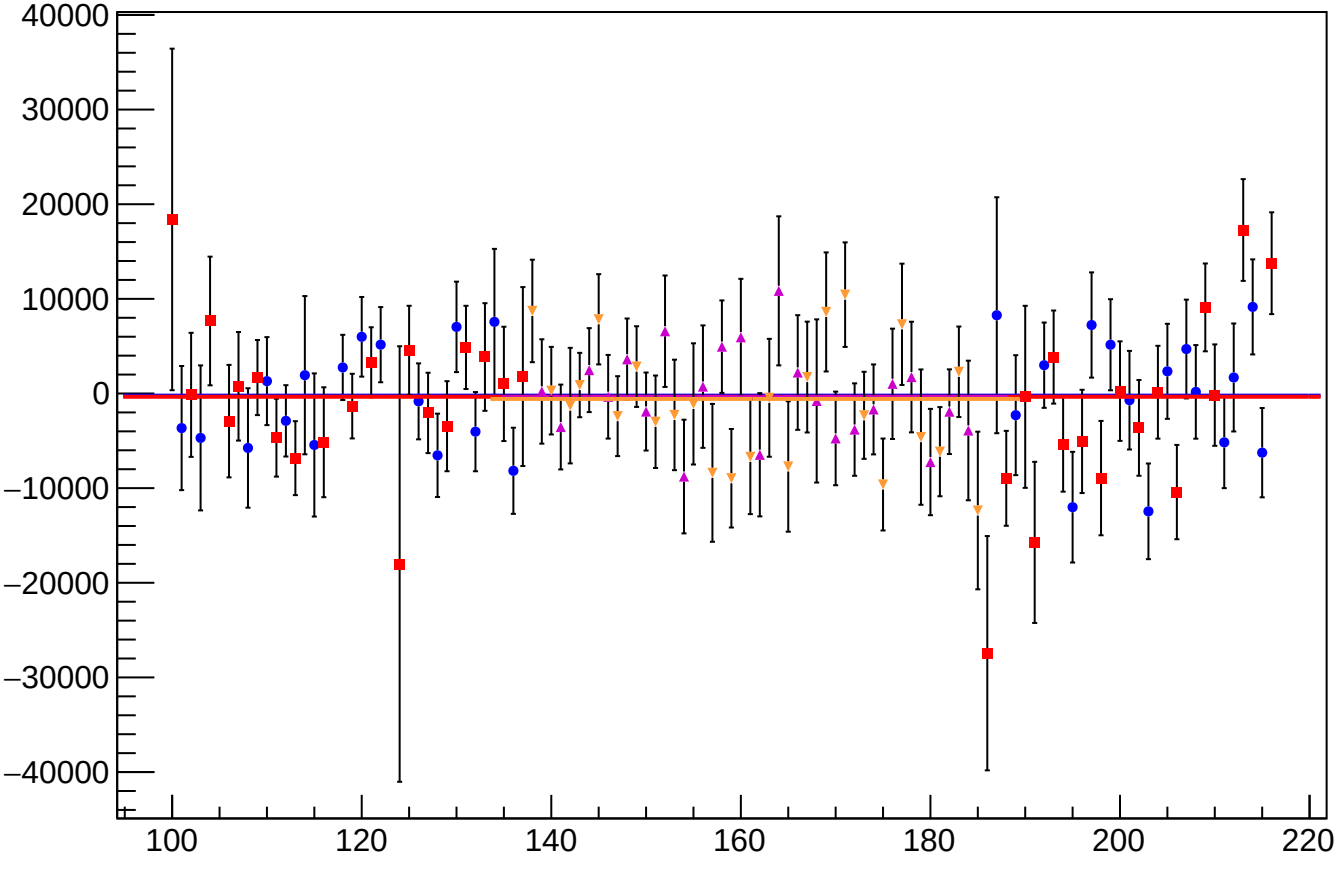
Right: 3079.126+/-0.377 χ^2/NDF: 10850075.1/65

In: 3632.078+/-0.445 χ^2/NDF:8252132.2/53

Out: 3475.818+/-0.423 χ^2/NDF:10182005.3/59

All: 3550.015+/-0.307 χ^2/NDF: 18498852.9/1

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: -344.140+/-886.783 χ^2/NDF: 54.7/34

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

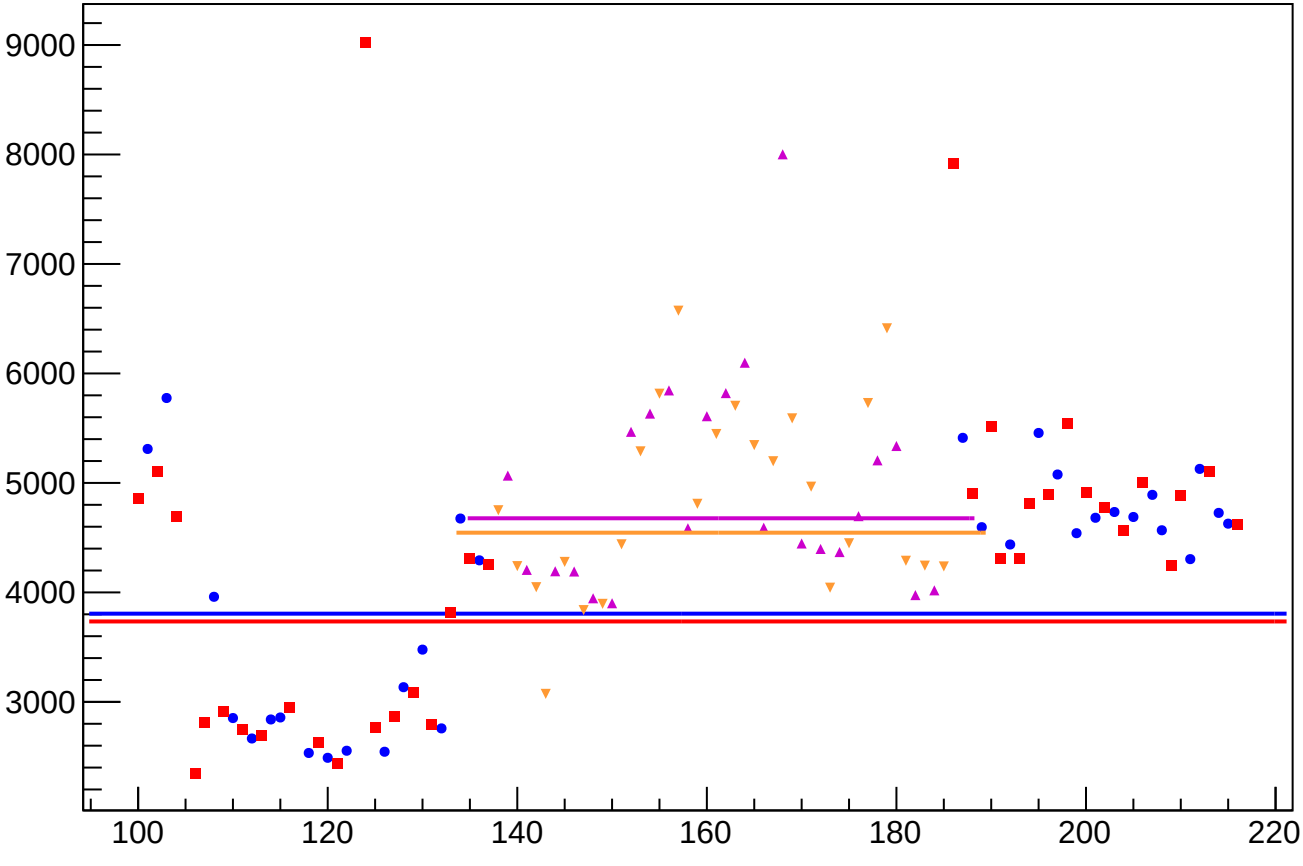
Right: -286.053+/-631.723 χ^2/NDF: 92.7/65

In: -294.557+/-699.023 χ^2/NDF:52.1/53

Out: -438.959+/-678.786 χ^2/NDF:83.5/59

All: -368.879+/-486.971 χ^2/NDF: 135.6/113

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: 3734.659+/-0.622 χ^2/NDF: 3114505.8/34

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

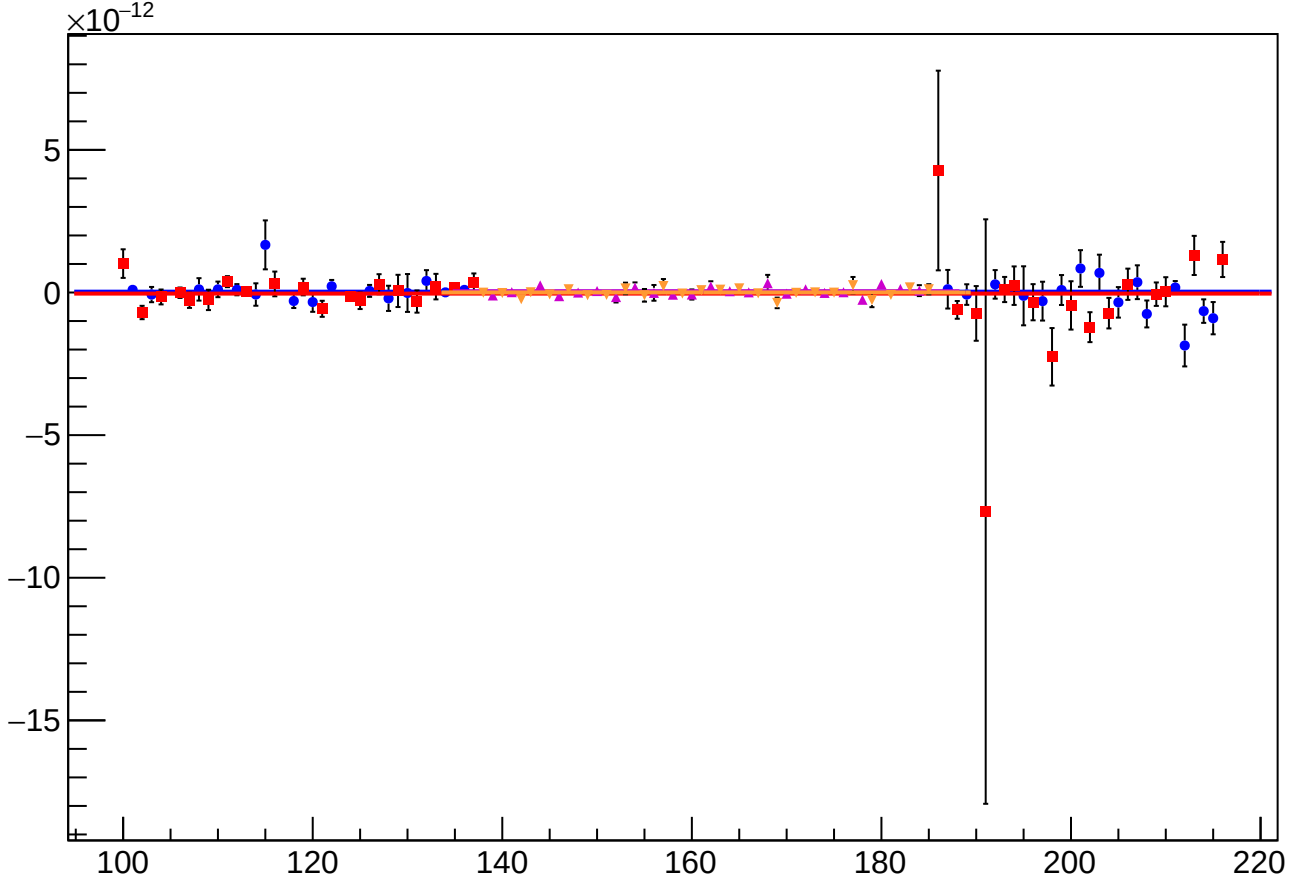
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3769.417+/-0.445 χ^2/NDF: 5769872.2/65

In: 4151.650+/-0.494 χ^2/NDF:4352578.9/53

Out: 4067.246+/-0.478 χ^2/NDF:5070052.3/59

All: 4108.008+/-0.343 χ^2/NDF: 9437708.0/11



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: 56.4/34

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

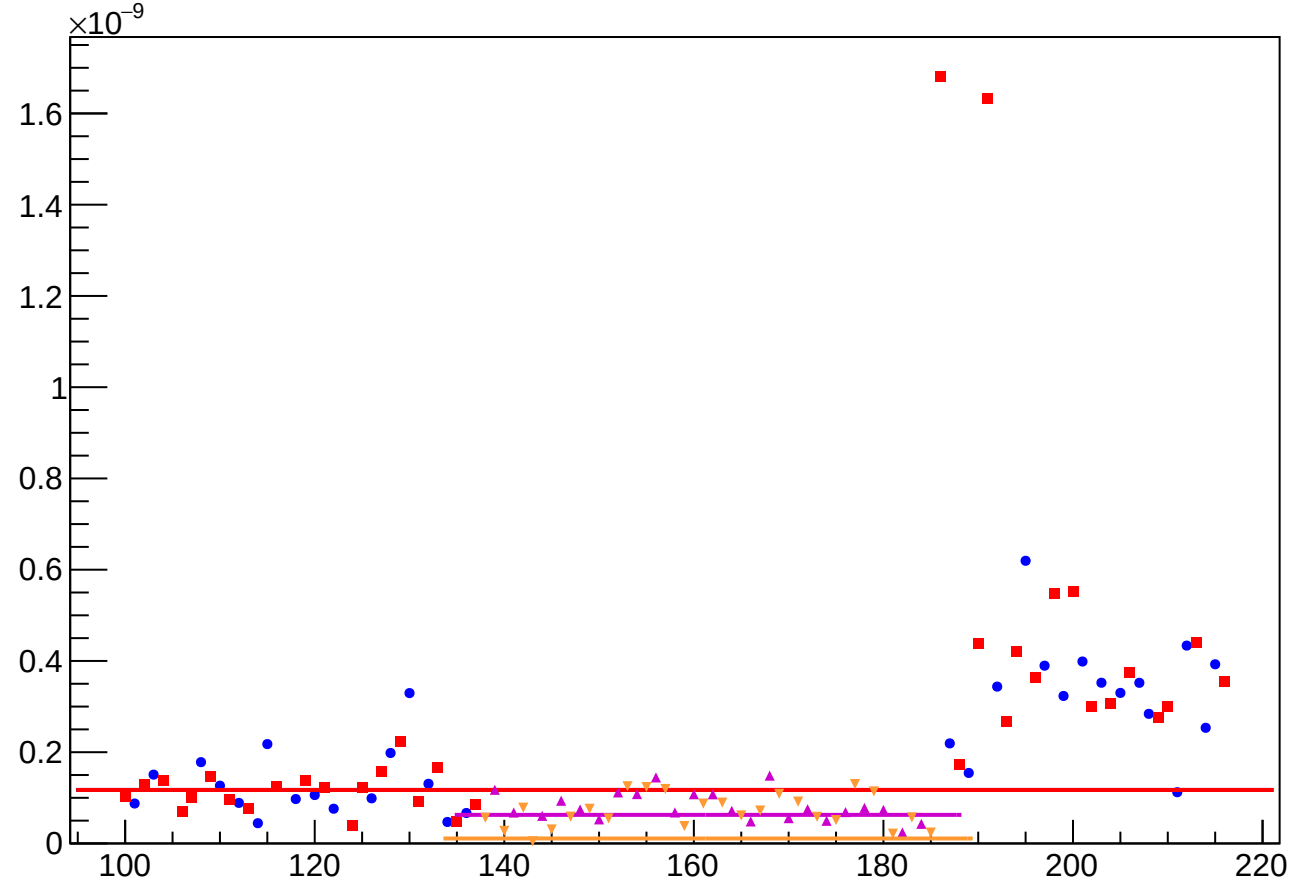
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: -0.000+/-0.000 χ^2/NDF: 86.1/65

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:75.2/59

All: 0.000+/-0.000 χ^2/NDF: 127.1/113



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: 6346948.9/34

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

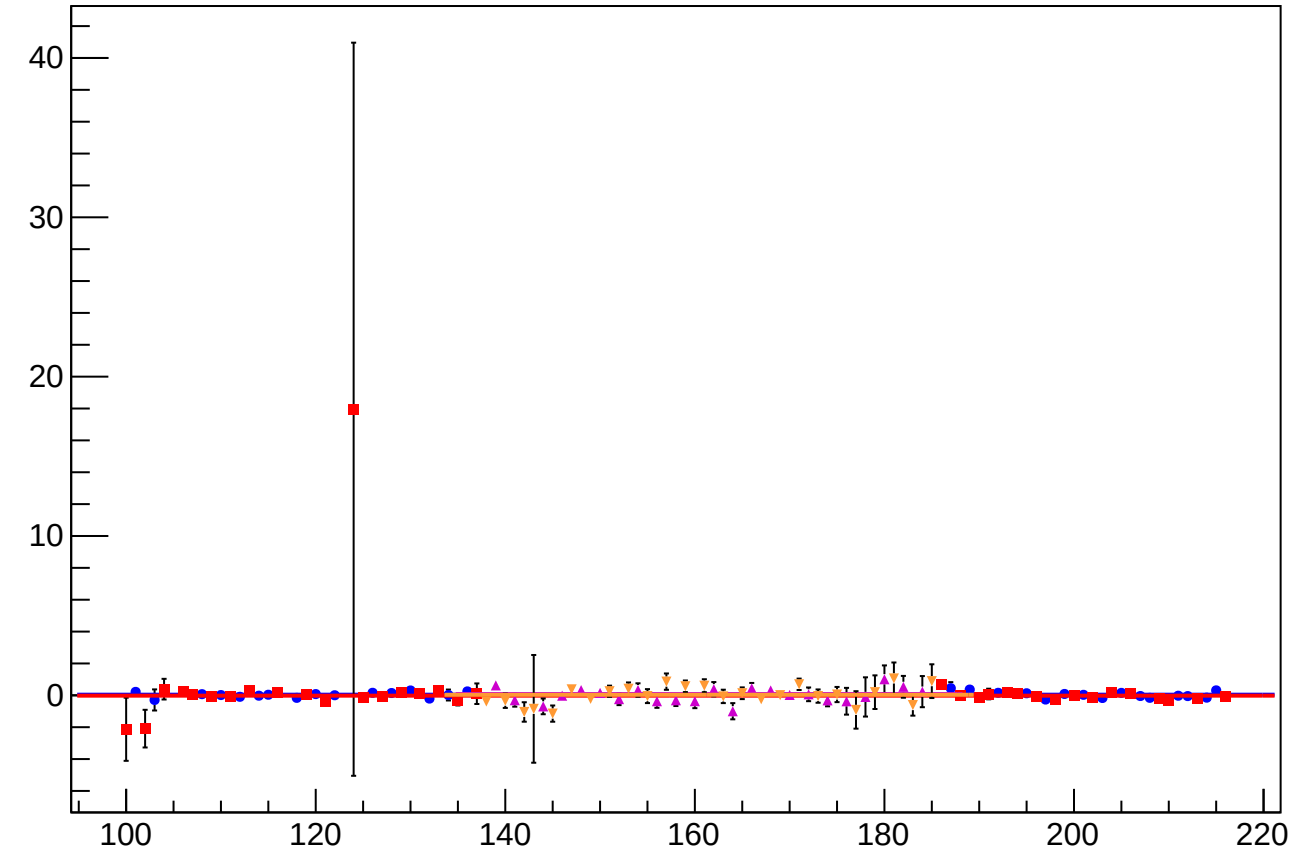
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11963666.6/65

In: 0.000+/-0.000 χ^2/NDF:9513168.6/53

Out: 0.000+/-0.000 χ^2/NDF:24216711.5/59

All: 0.000+/-0.000 χ^2/NDF: 45709008.7/113



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: -0.021+/-0.030 χ^2/NDF: 43.2/34

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

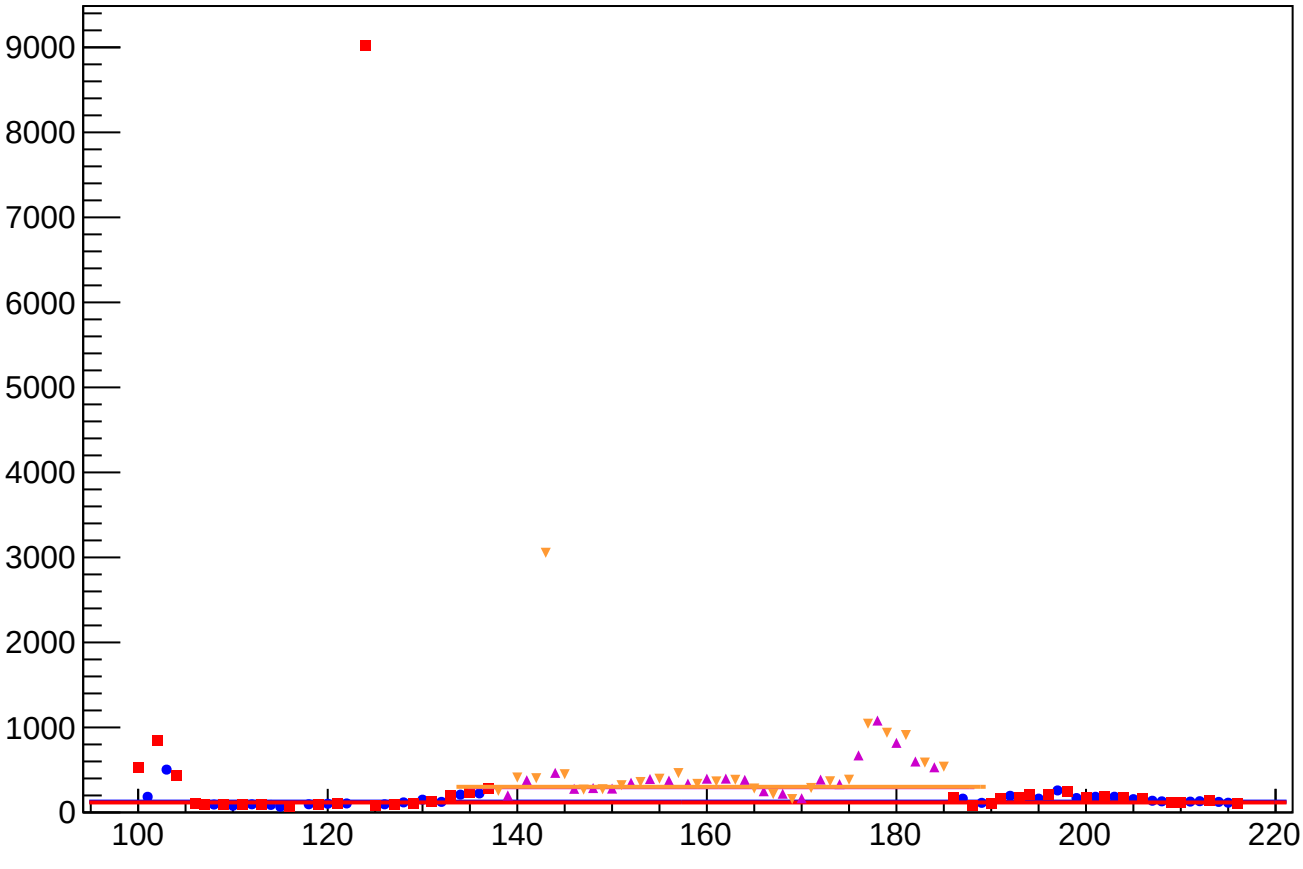
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.008+/-0.021 χ^2/NDF: 72.3/65

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.014+/-0.028 χ^2/NDF:73.3/59

All: 0.014+/-0.020 χ^2/NDF: 127.0/113



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: 117.581+/-0.021 χ^2/NDF: 5506817.1/34

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

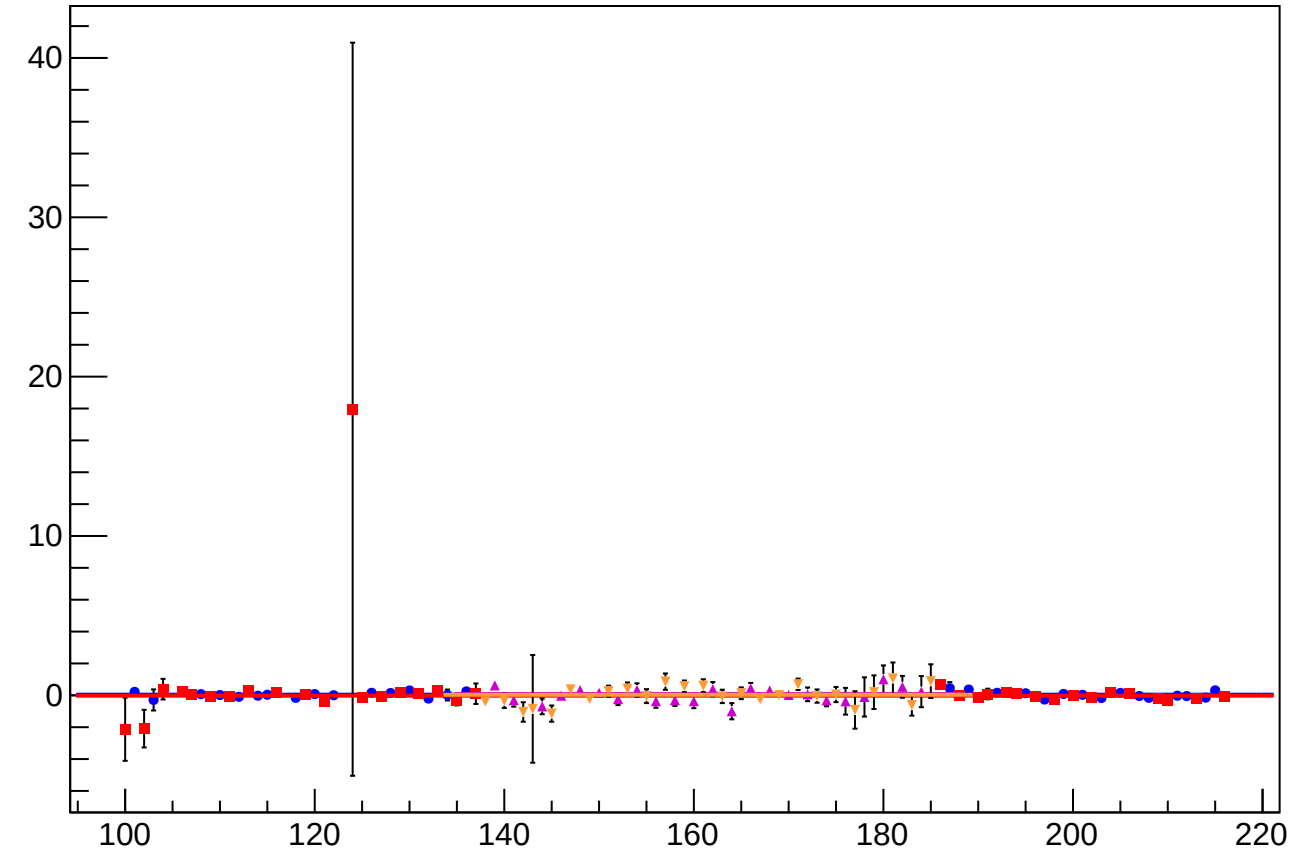
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 122.307+/-0.015 χ^2/NDF: 9091334.0/65

In: 152.224+/-0.020 χ^2/NDF:16932382.3/53

Out: 141.304+/-0.020 χ^2/NDF:22183801.7/59

All: 146.516+/-0.014 χ^2/NDF: 39265498.1/11



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: -0.021+/-0.030 χ^2/NDF: 43.2/34

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

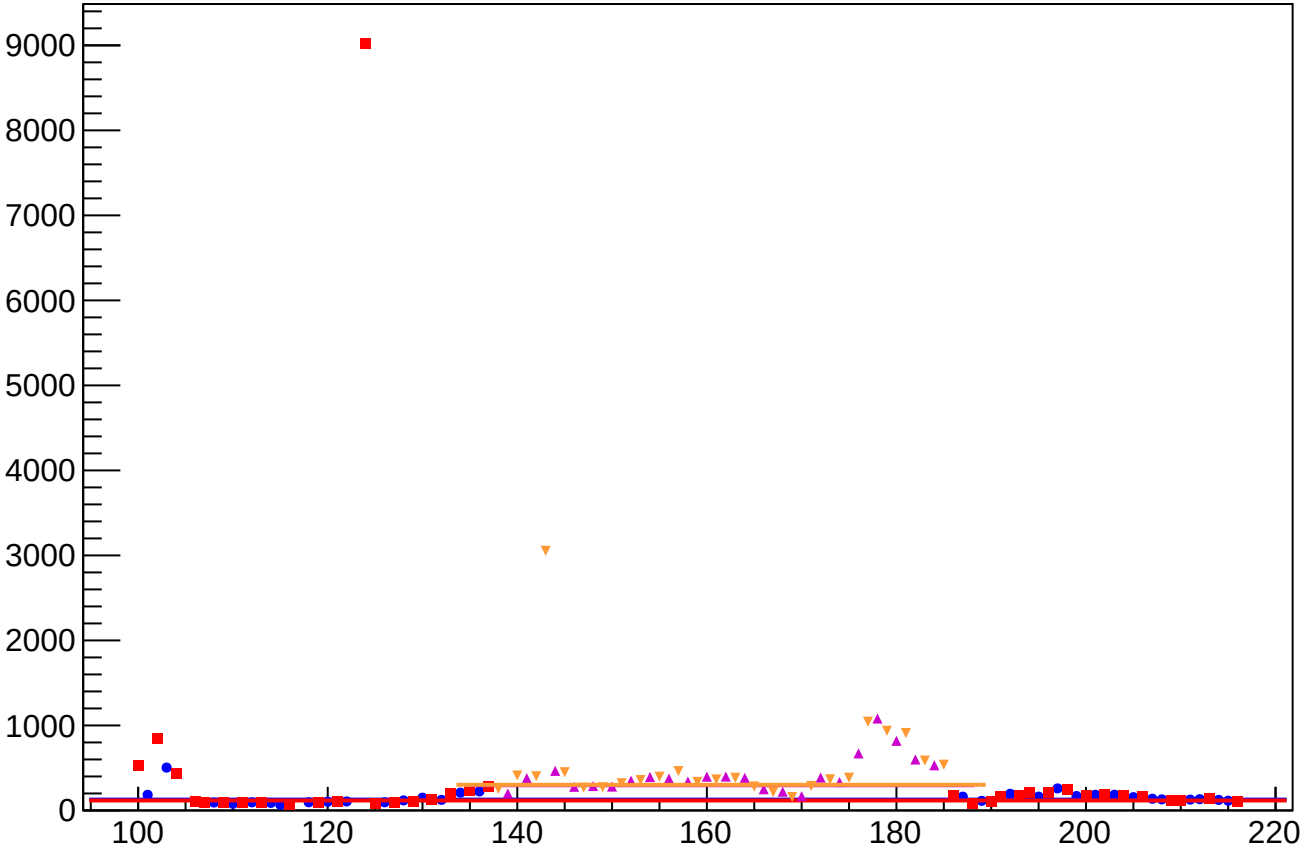
Right: 0.008+/-0.021 χ^2/NDF: 72.3/65

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.014+/-0.028 χ^2/NDF:73.3/59

All: 0.014+/-0.020 χ^2/NDF: 127.0/113

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: 117.581+/-0.021 χ^2/NDF: 5506817.1/34

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

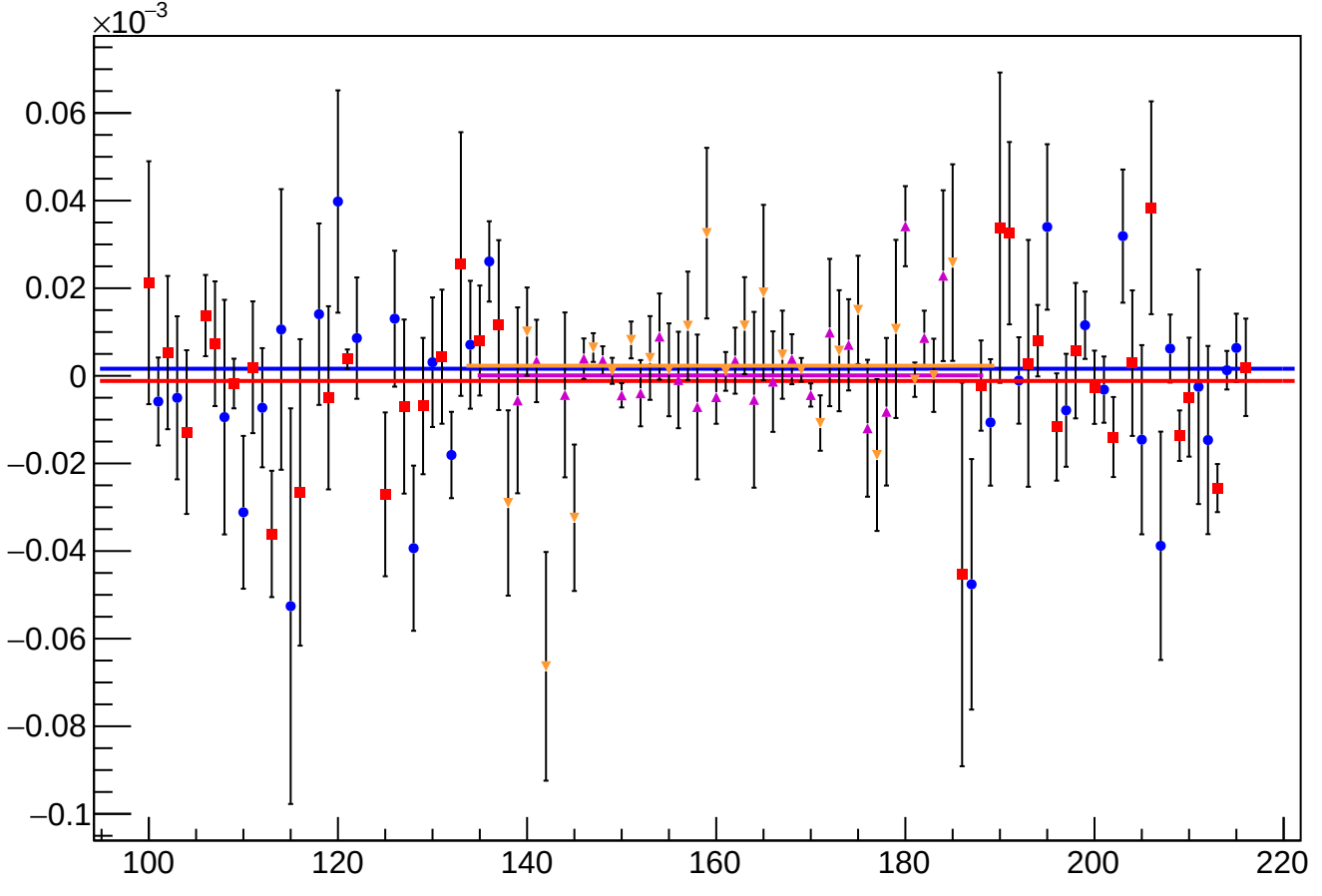
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 122.307+/-0.015 χ^2/NDF: 9091334.0/65

In: 152.224+/-0.020 χ^2/NDF:16932382.3/53

Out: 141.304+/-0.020 χ^2/NDF:22183801.7/59

All: 146.516+/-0.014 χ^2/NDF: 39265498.1/11



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: 56.1/33

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

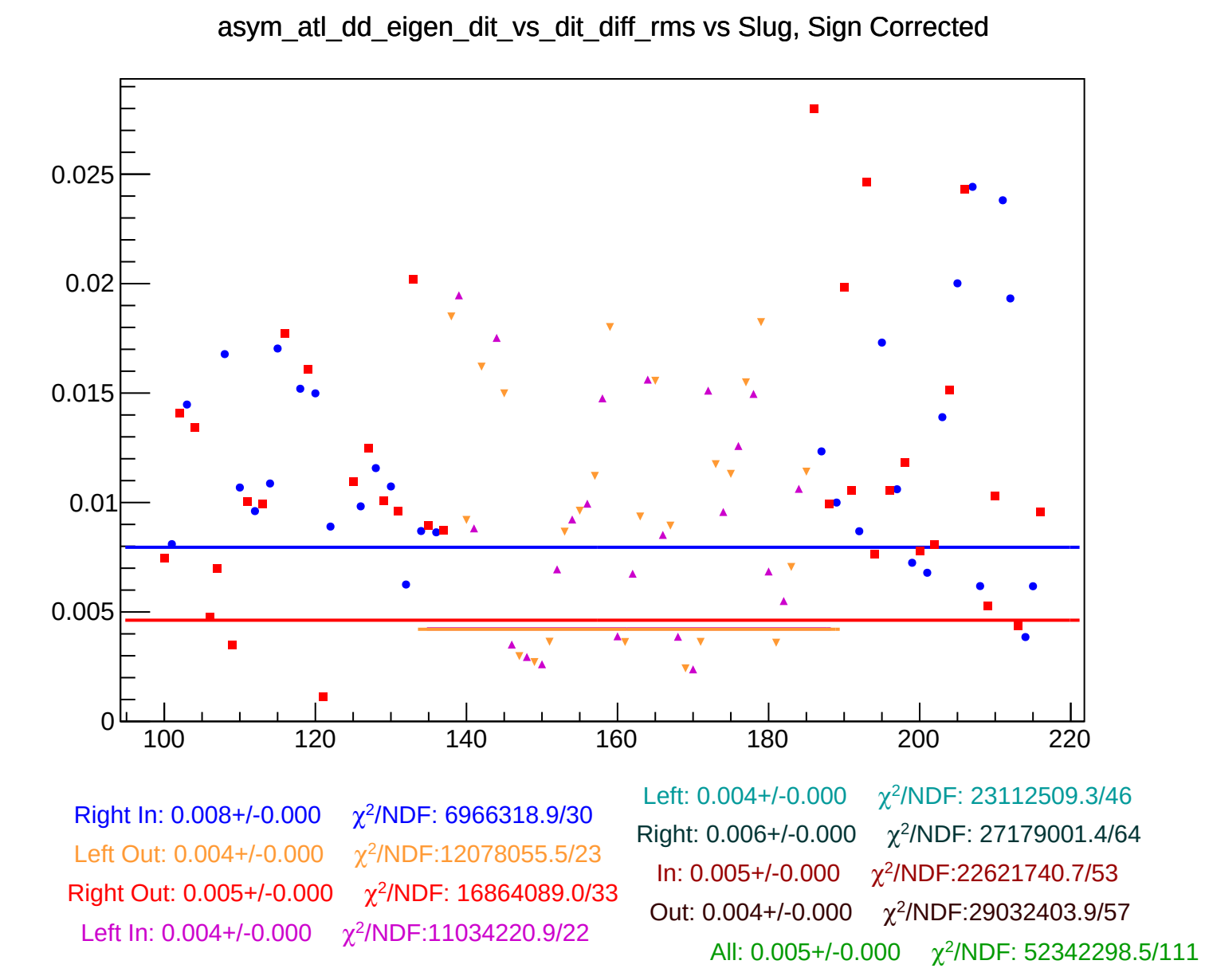
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: -0.000+/-0.000 χ^2/NDF: 100.6/64

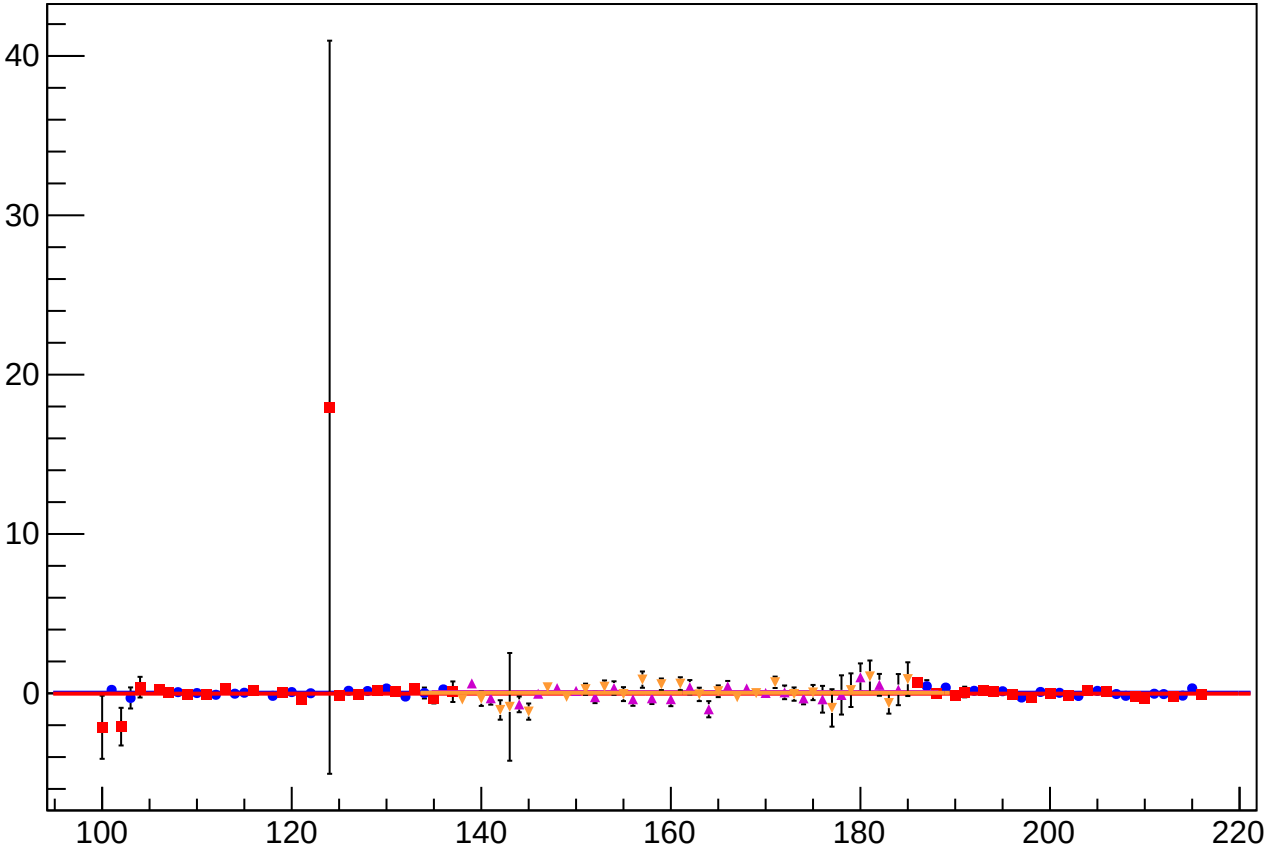
In: 0.000+/-0.000 χ^2/NDF:72.8/53

Out: 0.000+/-0.000 χ^2/NDF:90.4/57

All: 0.000+/-0.000 χ^2/NDF: 163.3/111


asym_atl_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: 0.008+/-0.000 χ²/NDF: 6966318.9/30
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.005+/-0.000 χ²/NDF: 16864089.0/33
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
Left: 0.004+/-0.000 χ²/NDF: 23112509.3/46
Right: 0.006+/-0.000 χ²/NDF: 27179001.4/64
In: 0.005+/-0.000 χ²/NDF:22621740.7/53
Out: 0.004+/-0.000 χ²/NDF:29032403.9/57
All: 0.005+/-0.000 χ²/NDF: 52342298.5/111

asym_atl_dd_eigen_dit_vs_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: -0.021+/-0.030 χ^2/NDF: 43.2/34

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

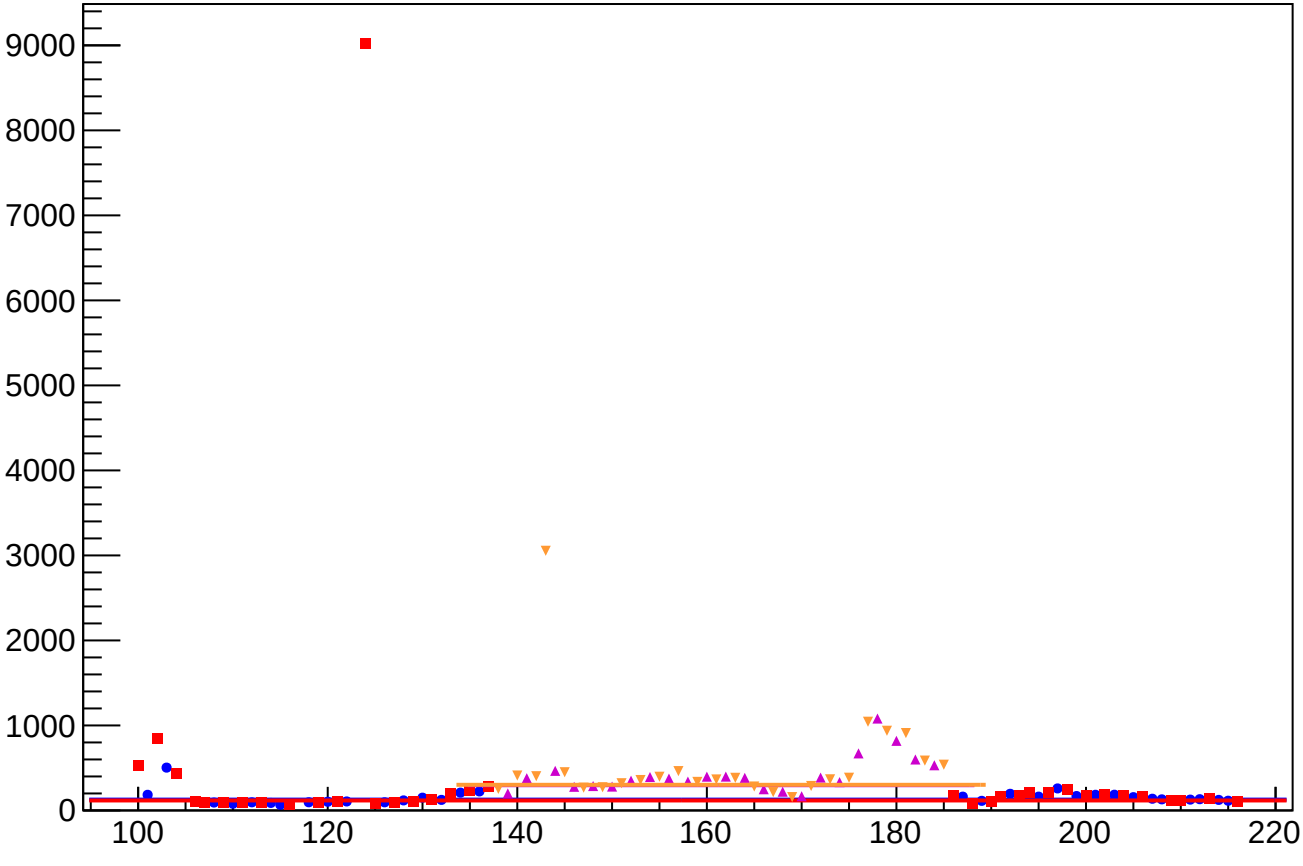
Right: 0.008+/-0.021 χ^2/NDF: 72.3/65

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.014+/-0.028 χ^2/NDF:73.3/59

All: 0.014+/-0.020 χ^2/NDF: 127.0/113

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: 117.581+/-0.021 χ^2/NDF: 5506771.2/34

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

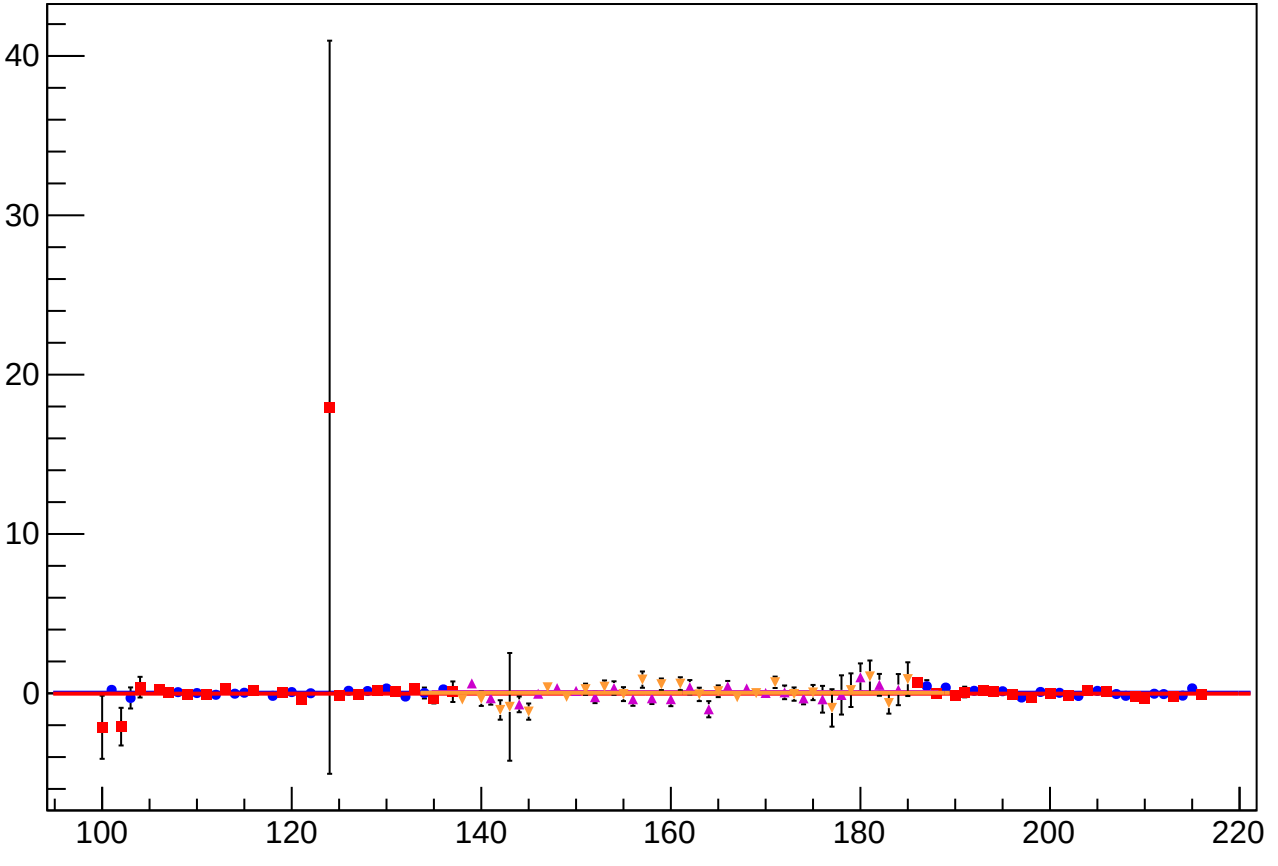
Right: 122.308+/-0.015 χ^2/NDF: 9091280.4/65

In: 152.225+/-0.020 χ^2/NDF:16932369.9/53

Out: 141.304+/-0.020 χ^2/NDF:22183815.0/59

All: 146.517+/-0.014 χ^2/NDF: 39265515.1/11

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: -0.021+/-0.030 χ^2/NDF: 43.2/34

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

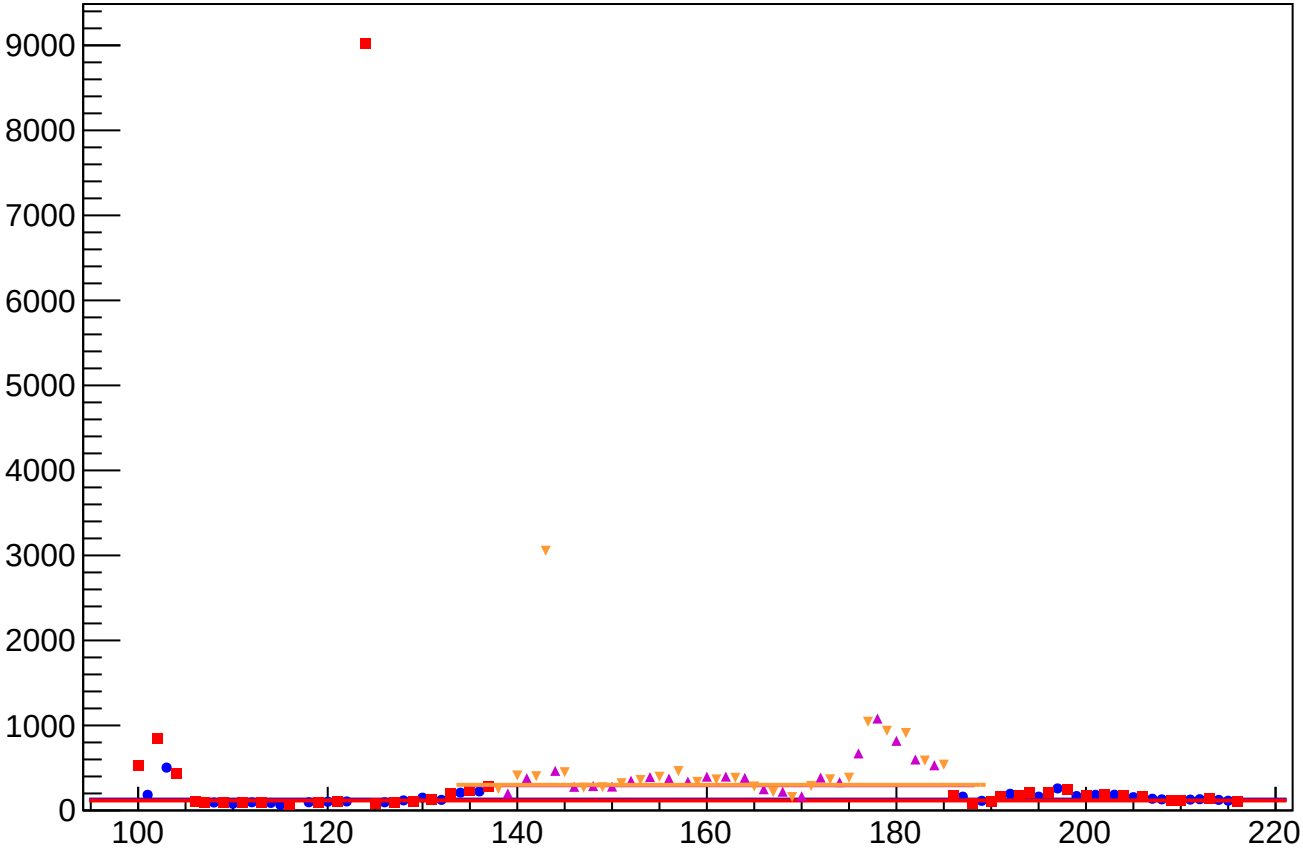
Right: 0.008+/-0.021 χ^2/NDF: 72.3/65

In: 0.045+/-0.029 χ^2/NDF:51.5/53

Out: -0.014+/-0.028 χ^2/NDF:73.3/59

All: 0.014+/-0.020 χ^2/NDF: 127.0/113

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: 117.581+/-0.021 χ^2/NDF: 5506771.2/34

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

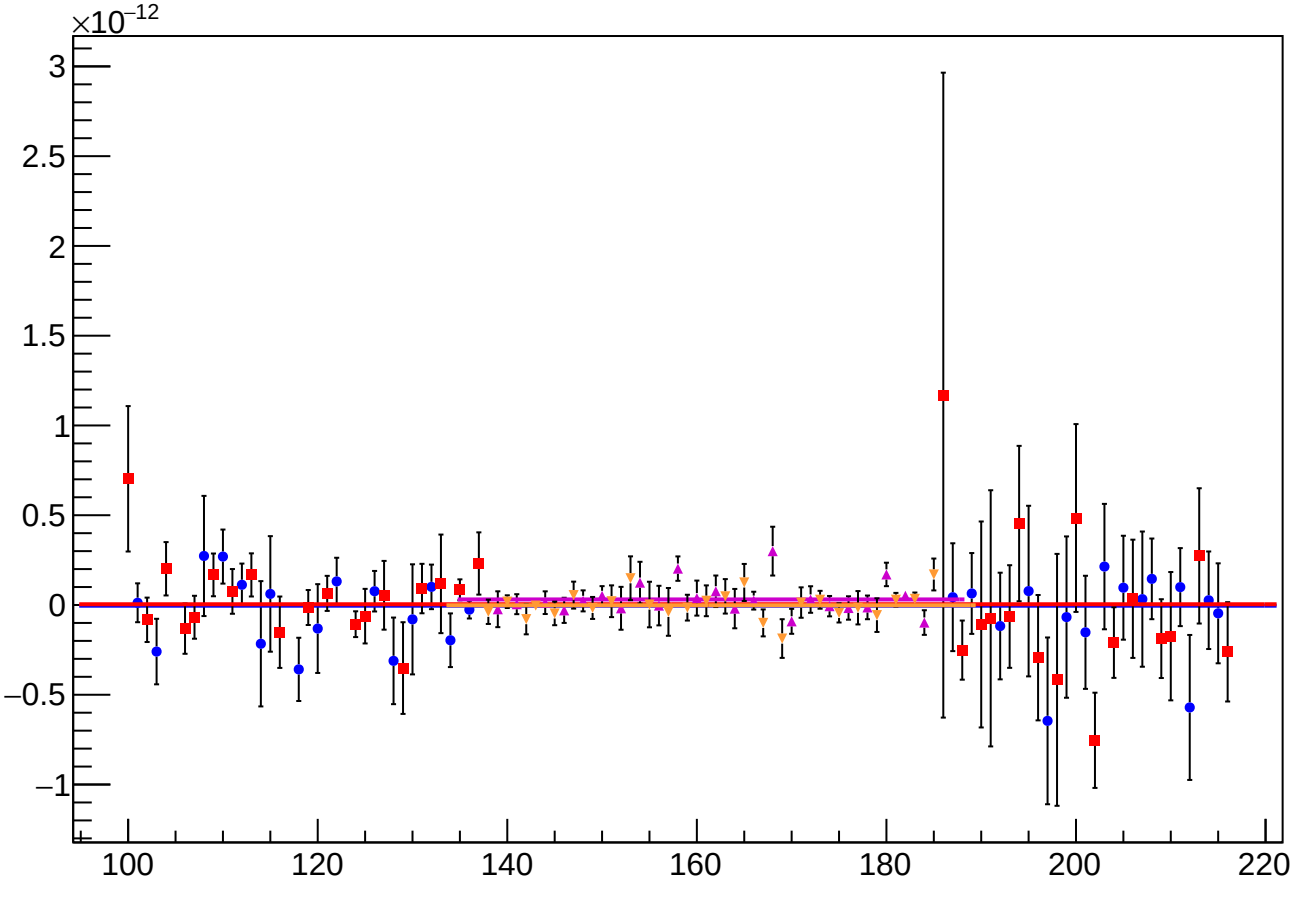
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 122.308+/-0.015 χ^2/NDF: 9091280.4/65

In: 152.225+/-0.020 χ^2/NDF:16932369.9/53

Out: 141.304+/-0.020 χ^2/NDF:22183815.0/59

All: 146.517+/-0.014 χ^2/NDF: 39265515.1/11



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: 38.2/34

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

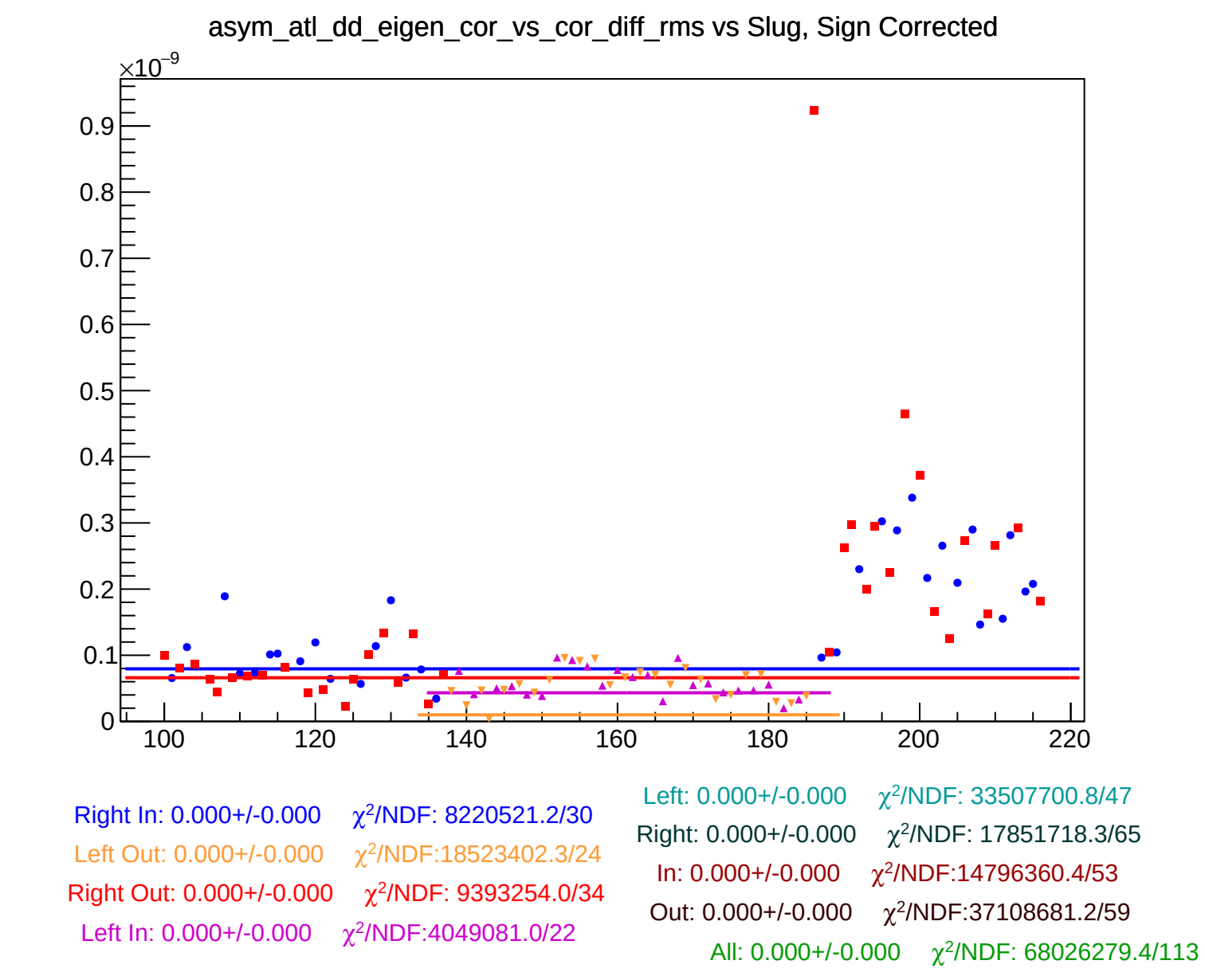
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 61.3/65

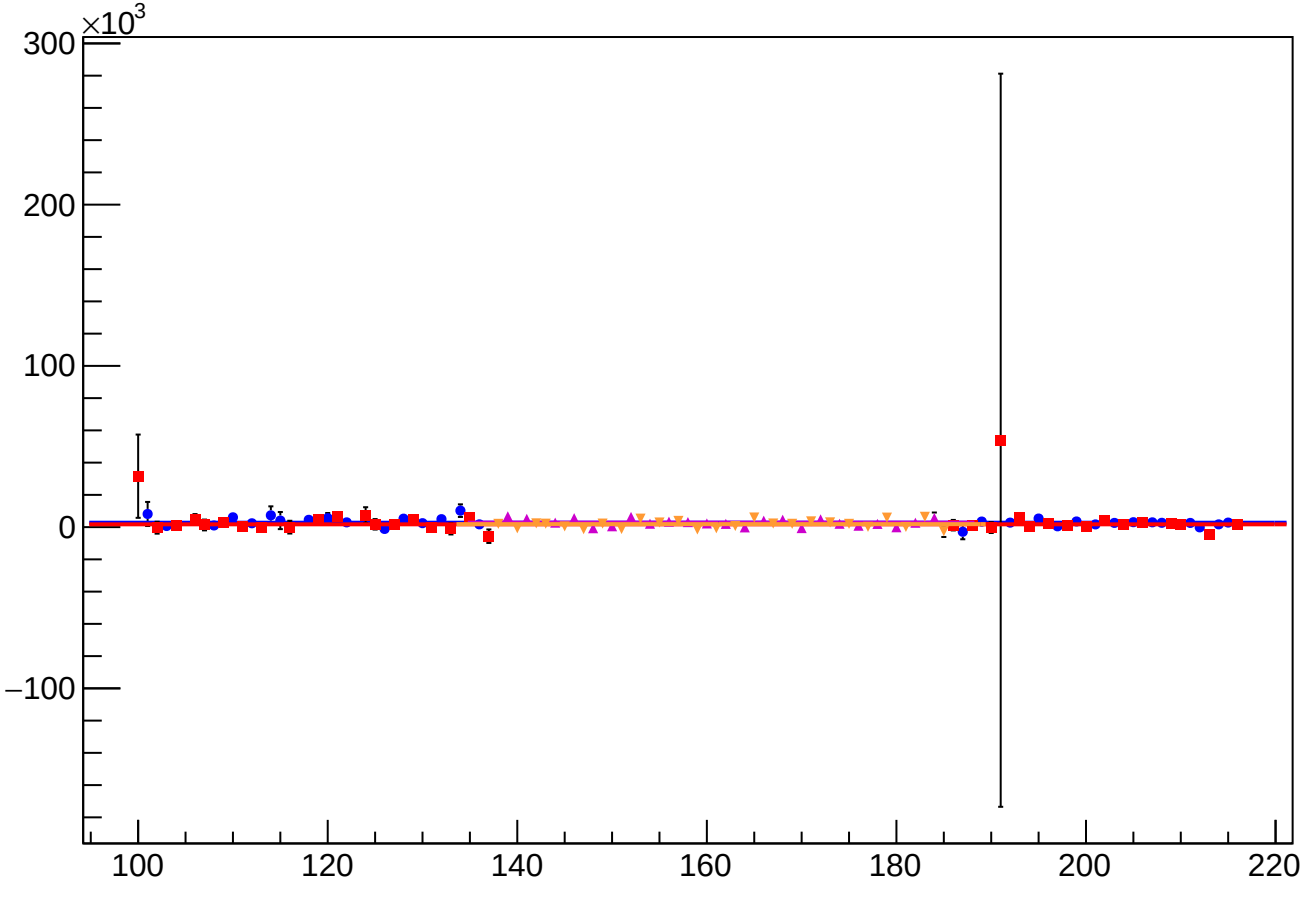
In: 0.000+/-0.000 χ^2/NDF:50.7/53

Out: -0.000+/-0.000 χ^2/NDF:55.9/59

All: 0.000+/-0.000 χ^2/NDF: 110.7/113


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: 9393254.0/34
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: 17851718.3/65
In: 0.000+/-0.000 χ²/NDF:14796360.4/53
Out: 0.000+/-0.000 χ²/NDF:37108681.2/59
All: 0.000+/-0.000 χ²/NDF: 68026279.4/113

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: 1735.795+/-445.641 χ^2/NDF: 32.9/34

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

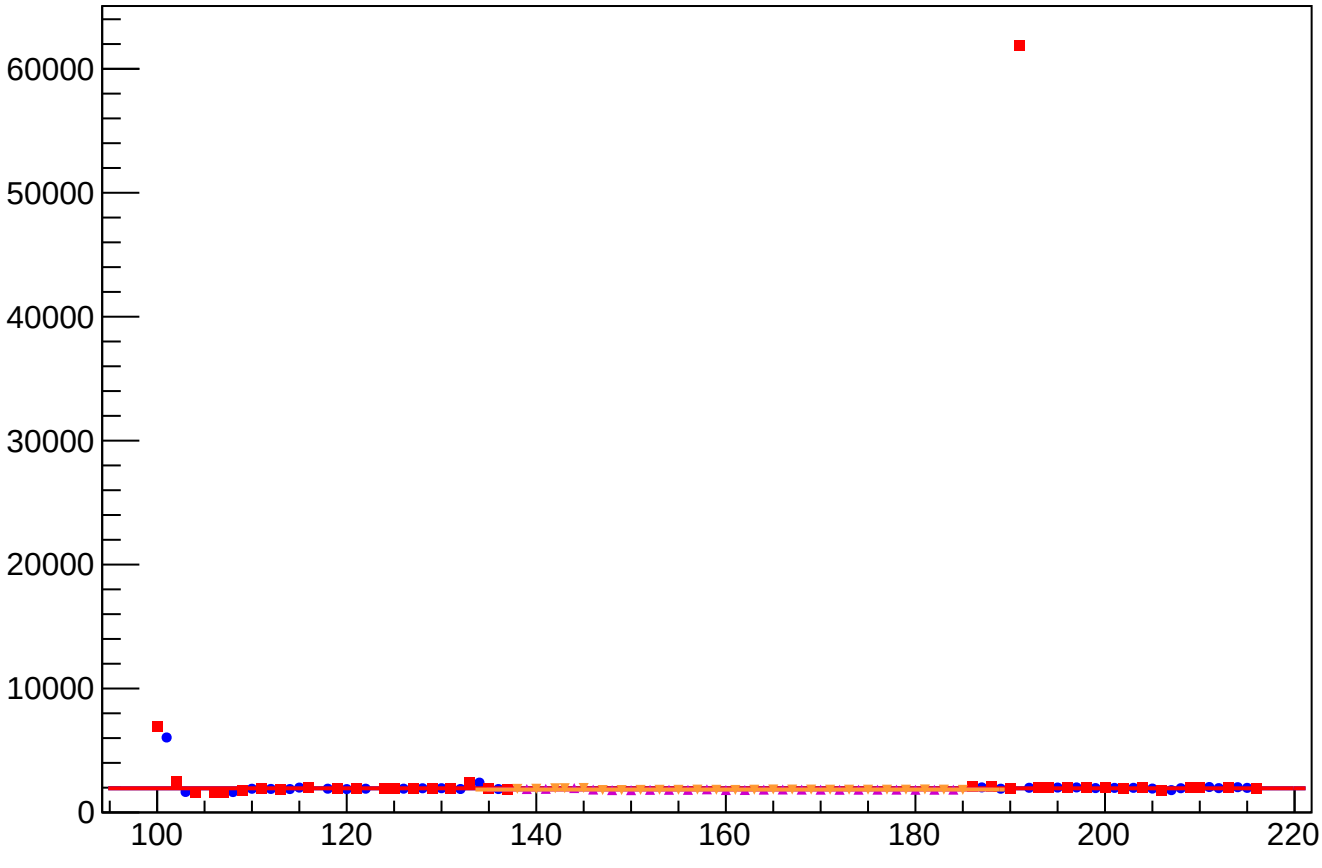
Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

Right: 2235.730+/-316.018 χ^2/NDF: 53.9/65

In: 2759.278+/-310.618 χ^2/NDF:43.9/53

Out: 1797.335+/-305.650 χ^2/NDF:64.4/59

All: 2270.552+/-217.863 χ^2/NDF: 113.2/113



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: 1948.536+/-0.315 χ^2/NDF: 424738.0/34

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

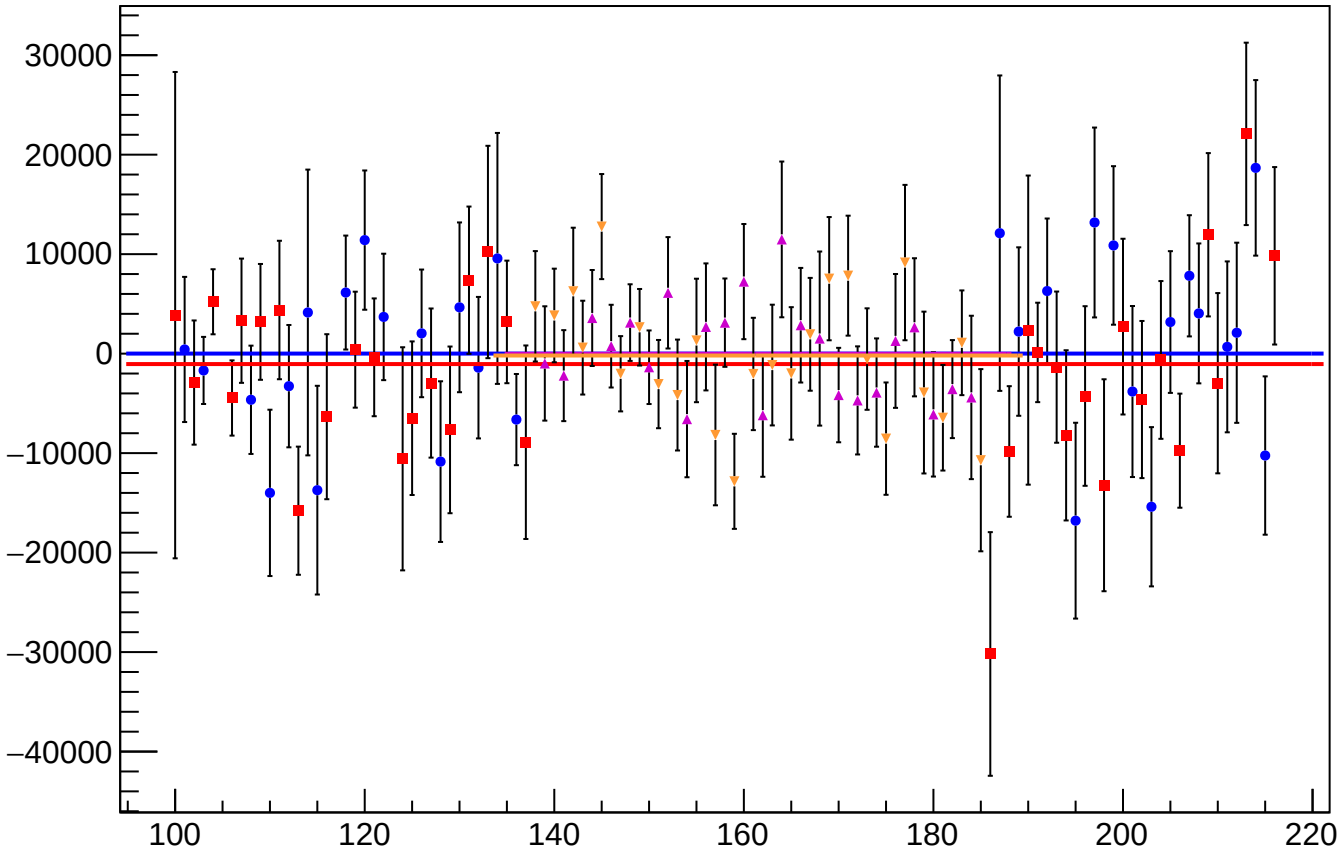
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1949.437+/-0.223 χ^2/NDF: 1151784.9/65

In: 1895.631+/-0.220 χ^2/NDF:798418.2/53

Out: 1895.638+/-0.216 χ^2/NDF:499049.9/59

All: 1895.634+/-0.154 χ^2/NDF: 1297468.1/11



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: -1048.823+/-1165.027 χ^2/NDF: 40.2/34

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

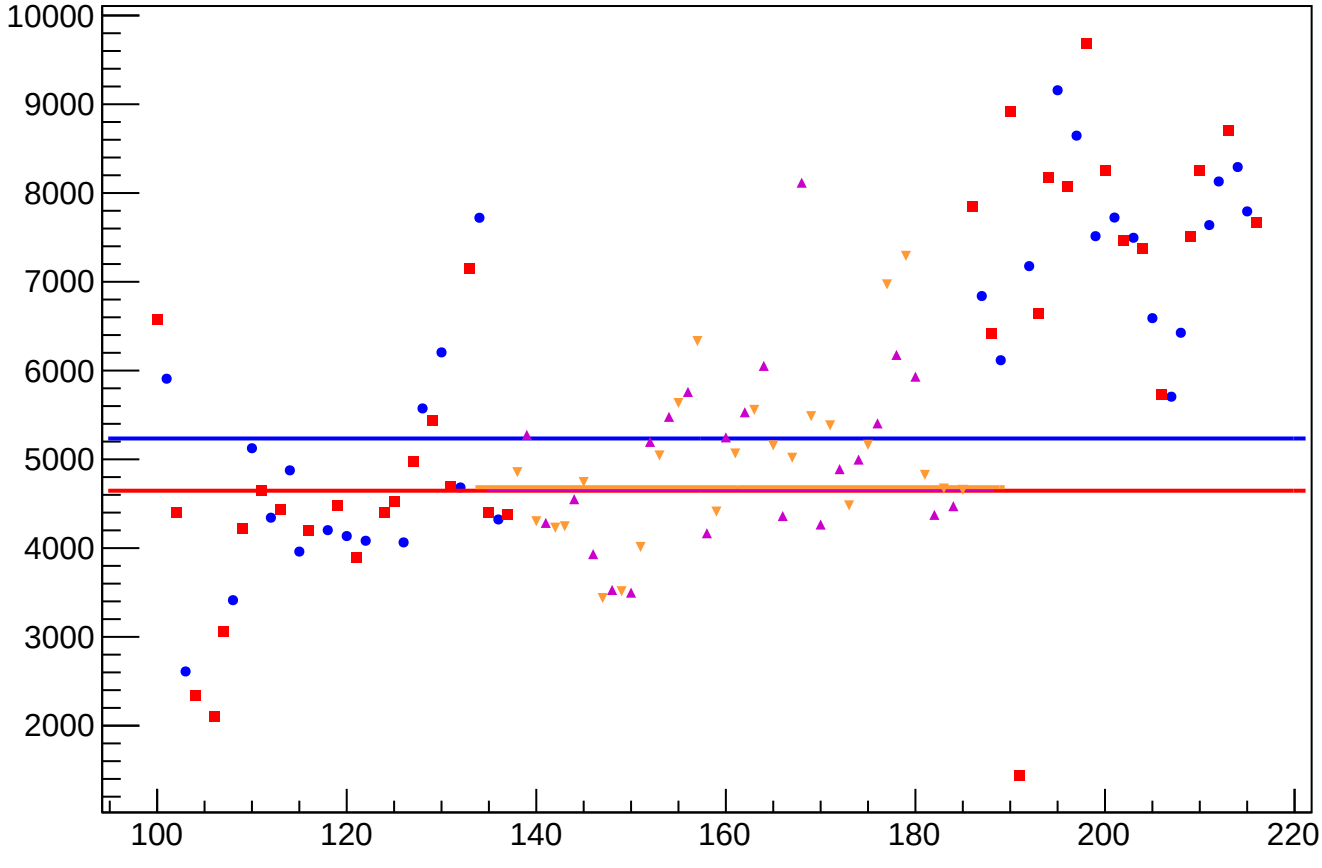
Right: -566.280+/-857.866 χ^2/NDF: 75.8/65

In: -8.674+/-836.263 χ^2/NDF:49.0/53

Out: -590.038+/-795.411 χ^2/NDF:69.4/59

All: -313.902+/-576.342 χ^2/NDF: 118.7/113

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



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: 4646.646+/-0.824 χ^2/NDF: 6786500.8/34

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

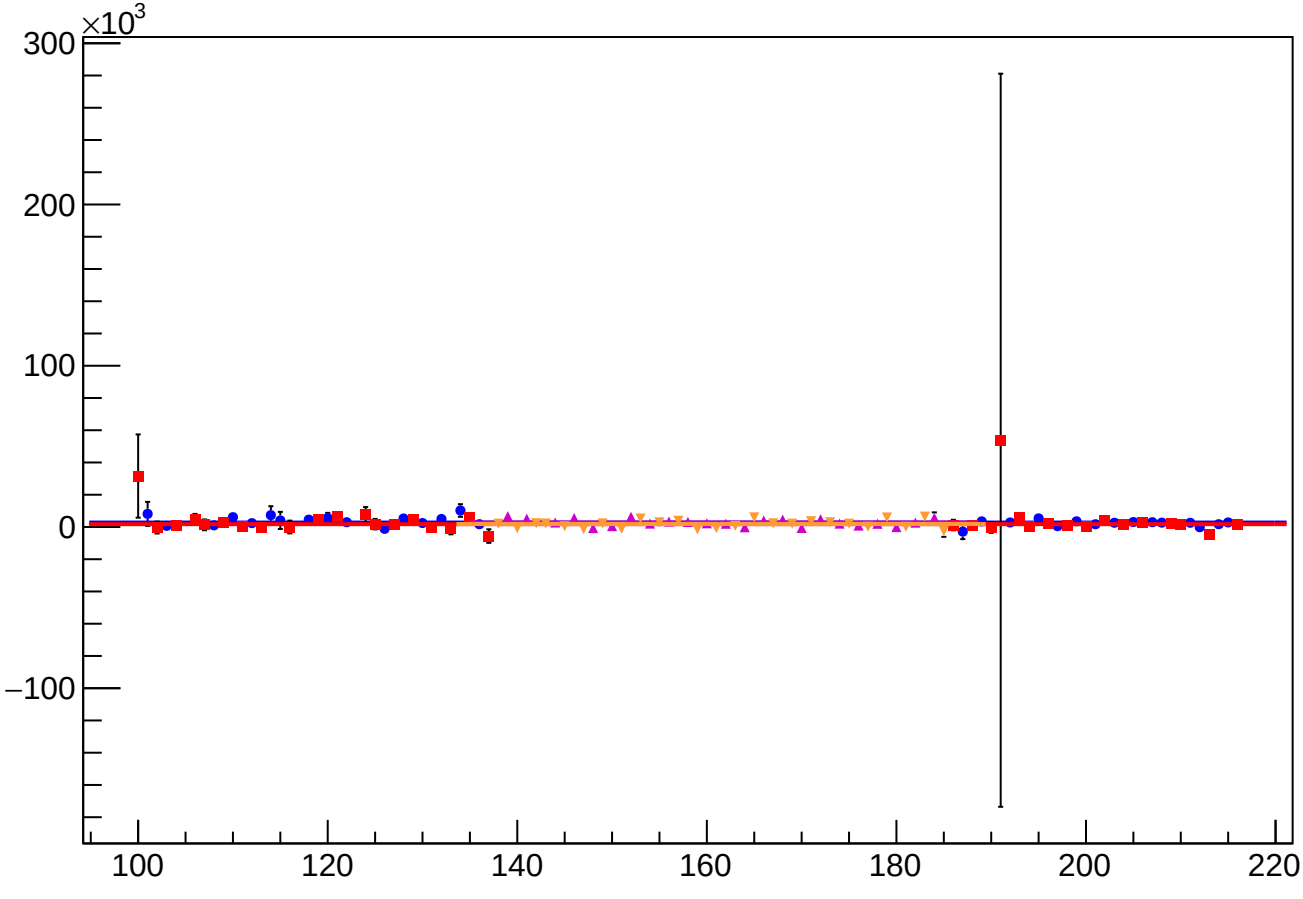
Right: 4915.978+/-0.607 χ^2/NDF: 11187865.6/65

In: 4911.979+/-0.591 χ^2/NDF:5684337.3/53

Out: 4667.844+/-0.562 χ^2/NDF:7972804.8/59

All: 4783.803+/-0.408 χ^2/NDF: 13746633.3/1

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: 1736.244+/-445.642 χ^2/NDF: 32.9/34

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

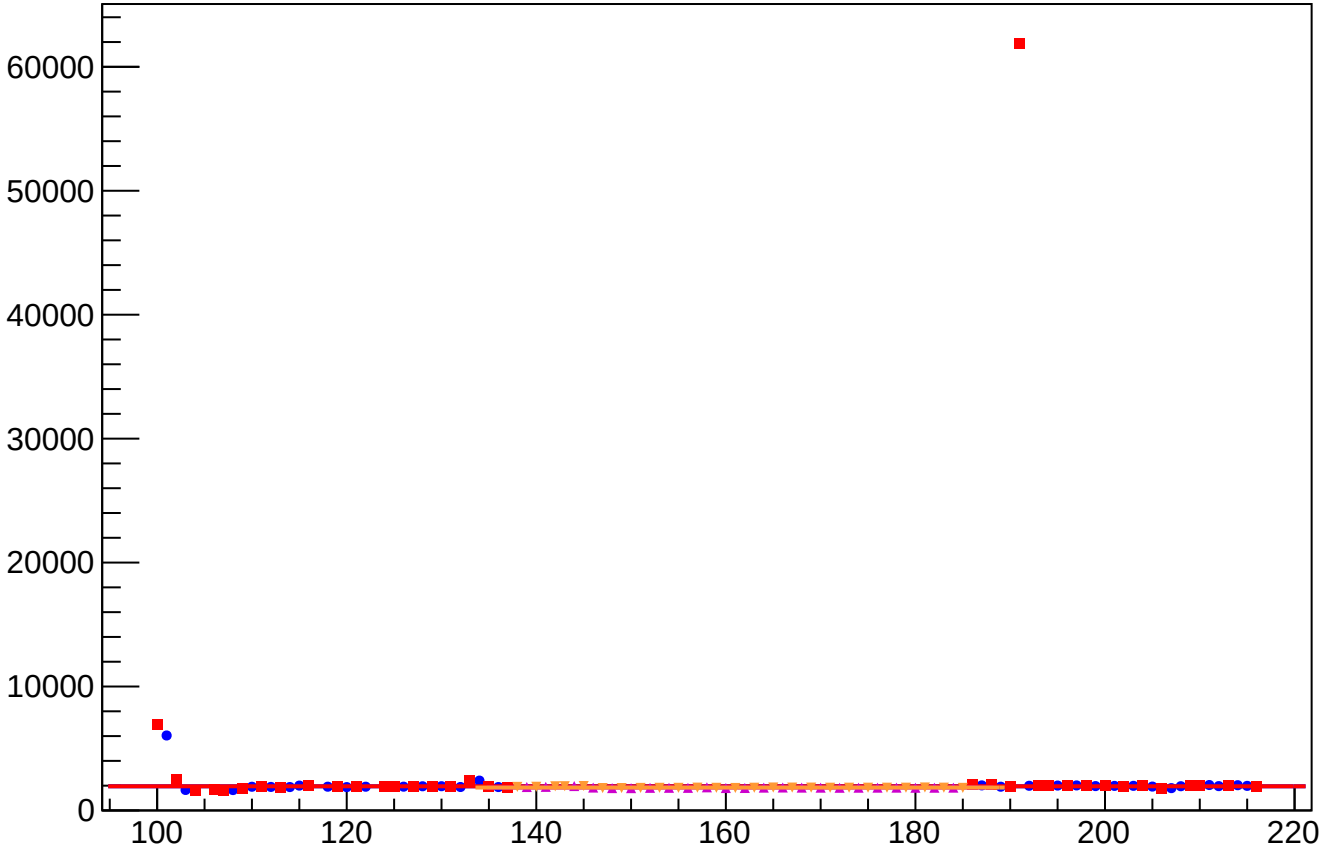
Right: 2235.830+/-316.018 χ^2/NDF: 53.9/65

In: 2759.143+/-310.618 χ^2/NDF:43.9/53

Out: 1797.488+/-305.650 χ^2/NDF:64.4/59

All: 2270.563+/-217.863 χ^2/NDF: 113.2/113

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: 1950.191+/-0.315 χ^2/NDF: 416421.8/34

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

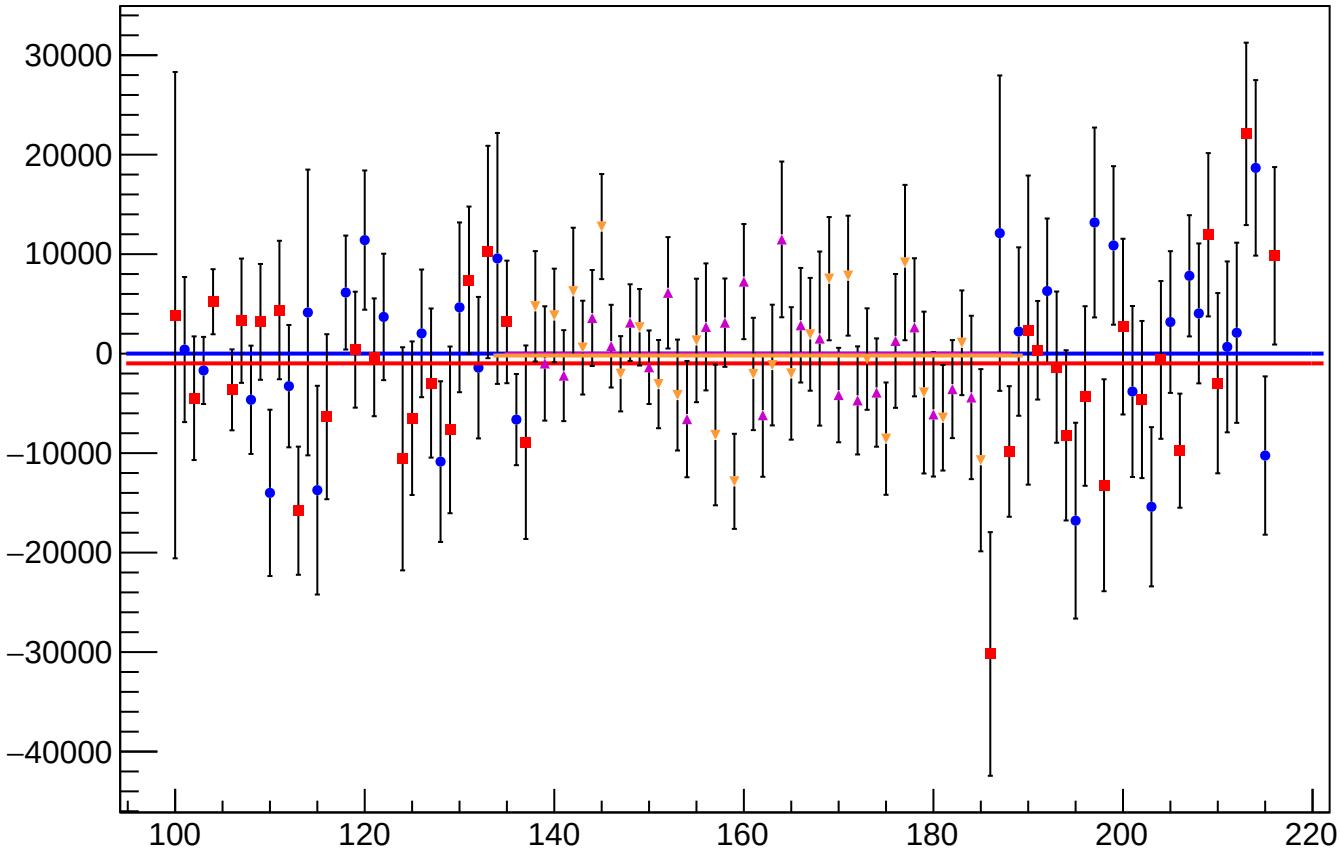
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1950.271+/-0.223 χ^2/NDF: 1143451.4/65

In: 1895.631+/-0.220 χ^2/NDF:798417.3/53

Out: 1896.380+/-0.216 χ^2/NDF:492473.1/59

All: 1896.011+/-0.154 χ^2/NDF: 1290896.4/11



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: -979.170+/-1171.941 χ^2/NDF: 40.0/34

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

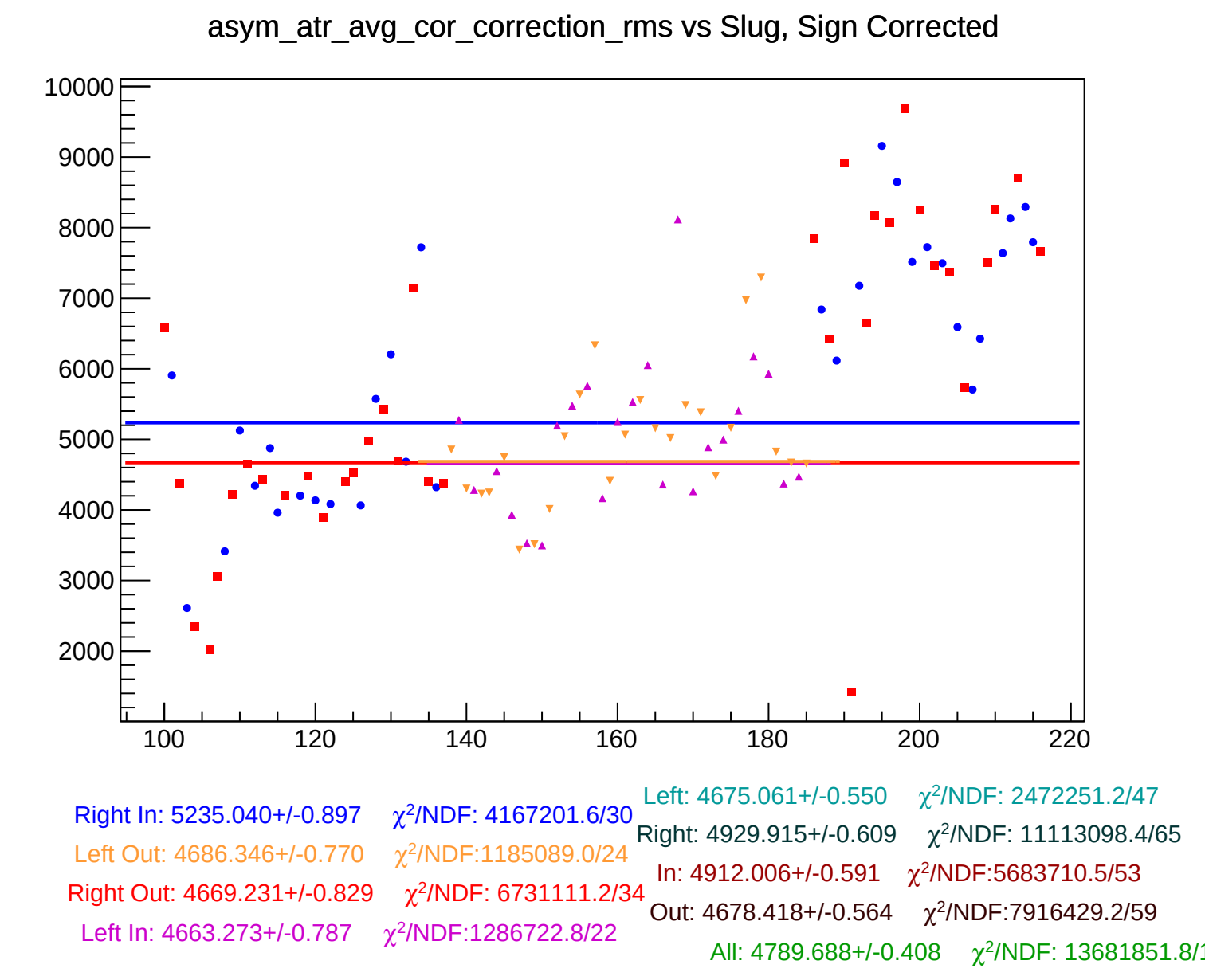
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -525.707+/-860.615 χ^2/NDF: 75.6/65

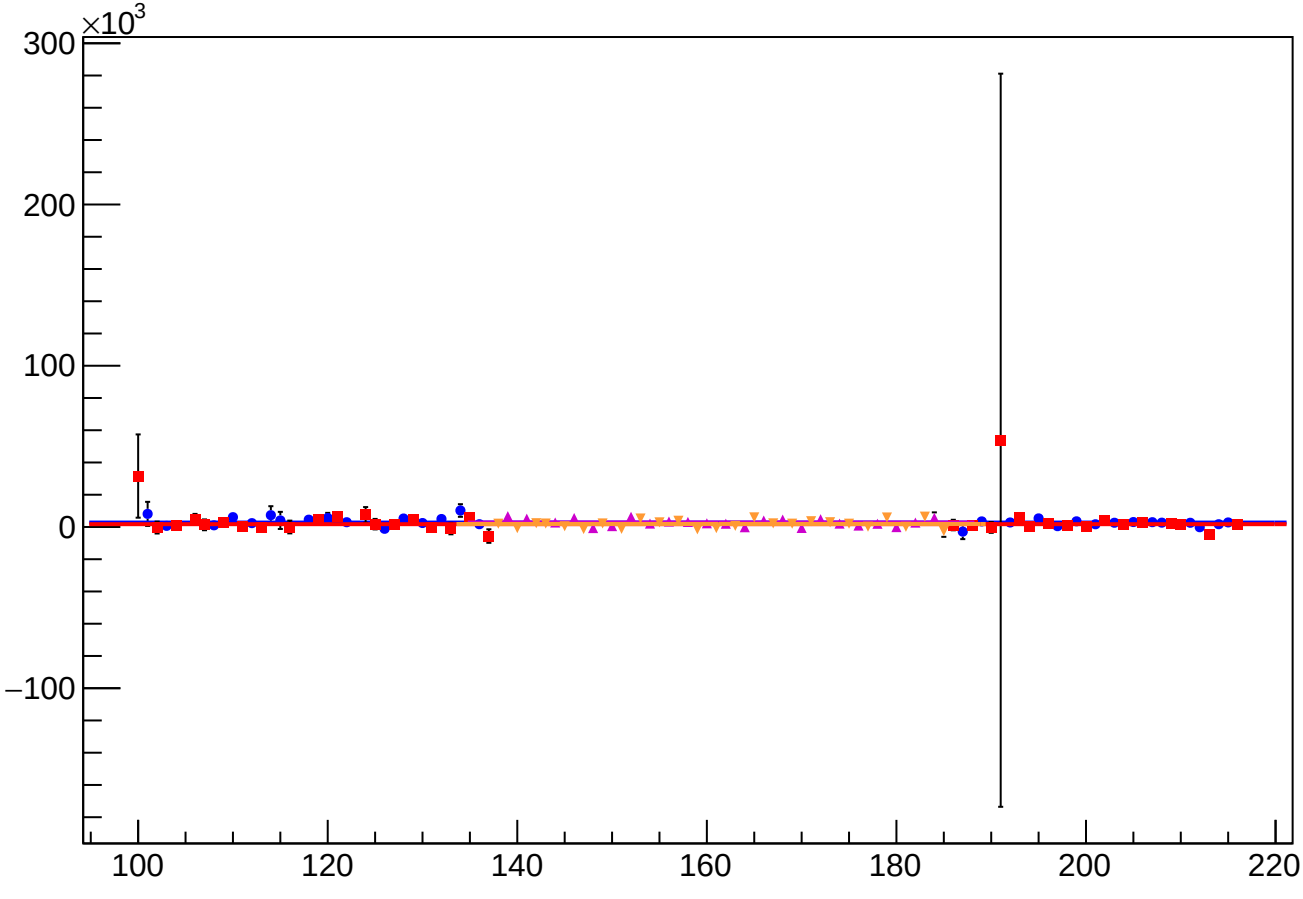
In: -8.777+/-836.264 χ^2/NDF:49.0/53

Out: -555.261+/-797.601 χ^2/NDF:69.2/59

All: -294.944+/-577.173 χ^2/NDF: 118.4/113


asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 5235.040+/-0.897 χ²/NDF: 4167201.6/30
Left Out: 4686.346+/-0.770 χ²/NDF:1185089.0/24
Right Out: 4669.231+/-0.829 χ²/NDF: 6731111.2/34
Left In: 4663.273+/-0.787 χ²/NDF:1286722.8/22
Left: 4675.061+/-0.550 χ²/NDF: 2472251.2/47
Right: 4929.915+/-0.609 χ²/NDF: 11113098.4/65
In: 4912.006+/-0.591 χ²/NDF:5683710.5/53
Out: 4678.418+/-0.564 χ²/NDF:7916429.2/59
All: 4789.688+/-0.408 χ²/NDF: 13681851.8/1

eigen_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: 1736.244+/-445.642 χ^2/NDF: 32.9/34

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

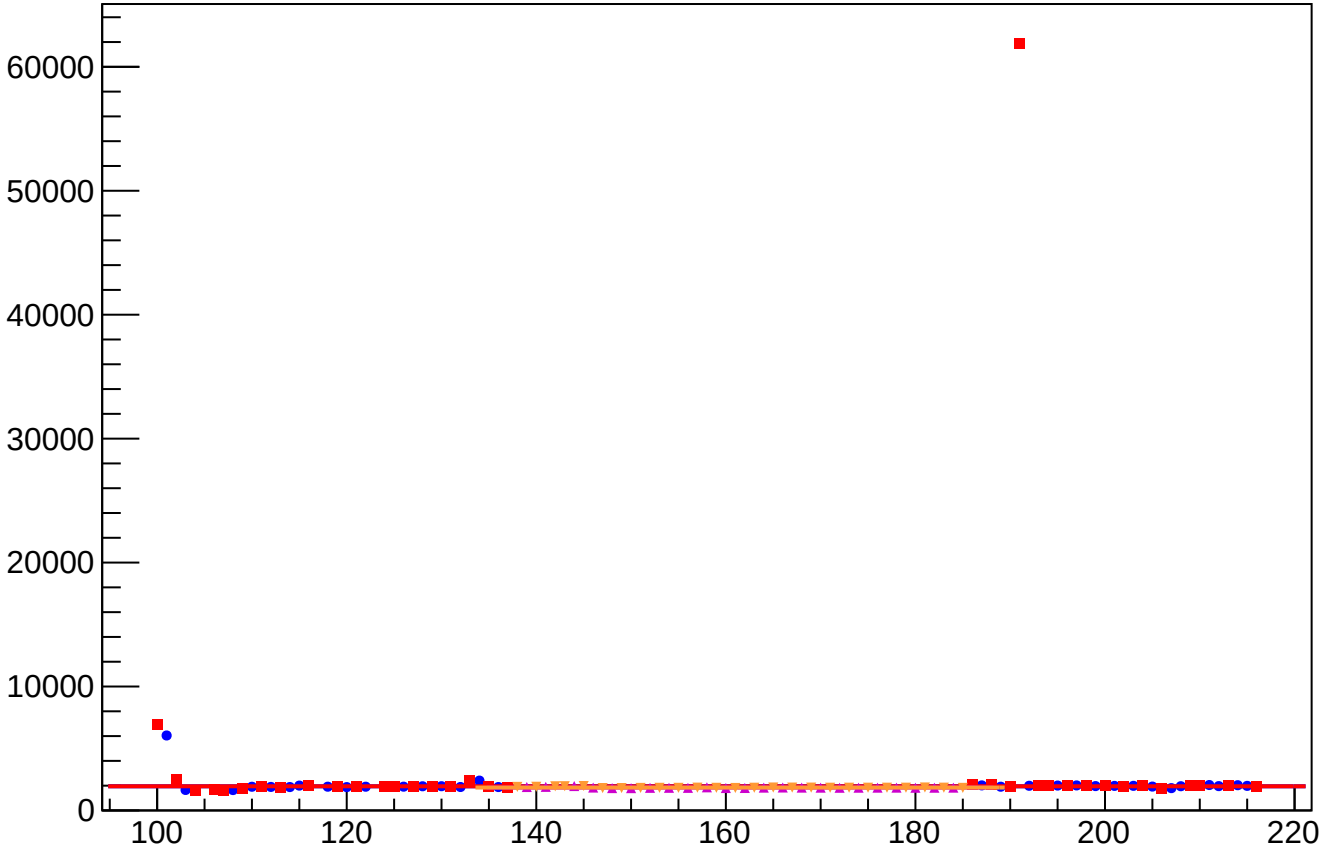
Right: 2235.830+/-316.018 χ^2/NDF: 53.9/65

In: 2759.143+/-310.618 χ^2/NDF:43.9/53

Out: 1797.488+/-305.650 χ^2/NDF:64.4/59

All: 2270.563+/-217.863 χ^2/NDF: 113.2/113

eigen_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: 1950.191+/-0.315 χ^2/NDF: 416421.8/34

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

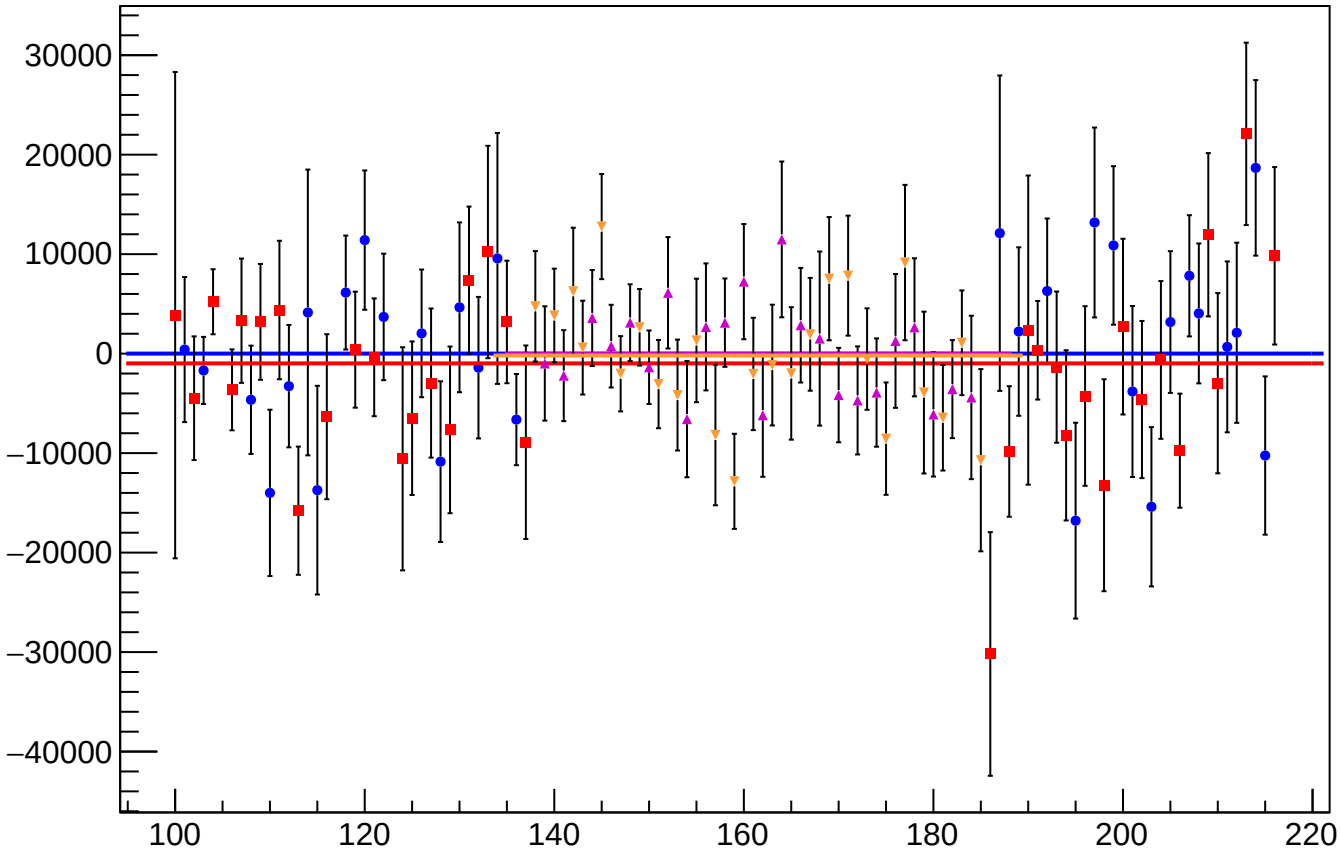
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1950.271+/-0.223 χ^2/NDF: 1143451.4/65

In: 1895.631+/-0.220 χ^2/NDF:798417.3/53

Out: 1896.380+/-0.216 χ^2/NDF:492473.1/59

All: 1896.011+/-0.154 χ^2/NDF: 1290896.4/11



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: -979.170+/-1171.941 χ^2/NDF: 40.0/34

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

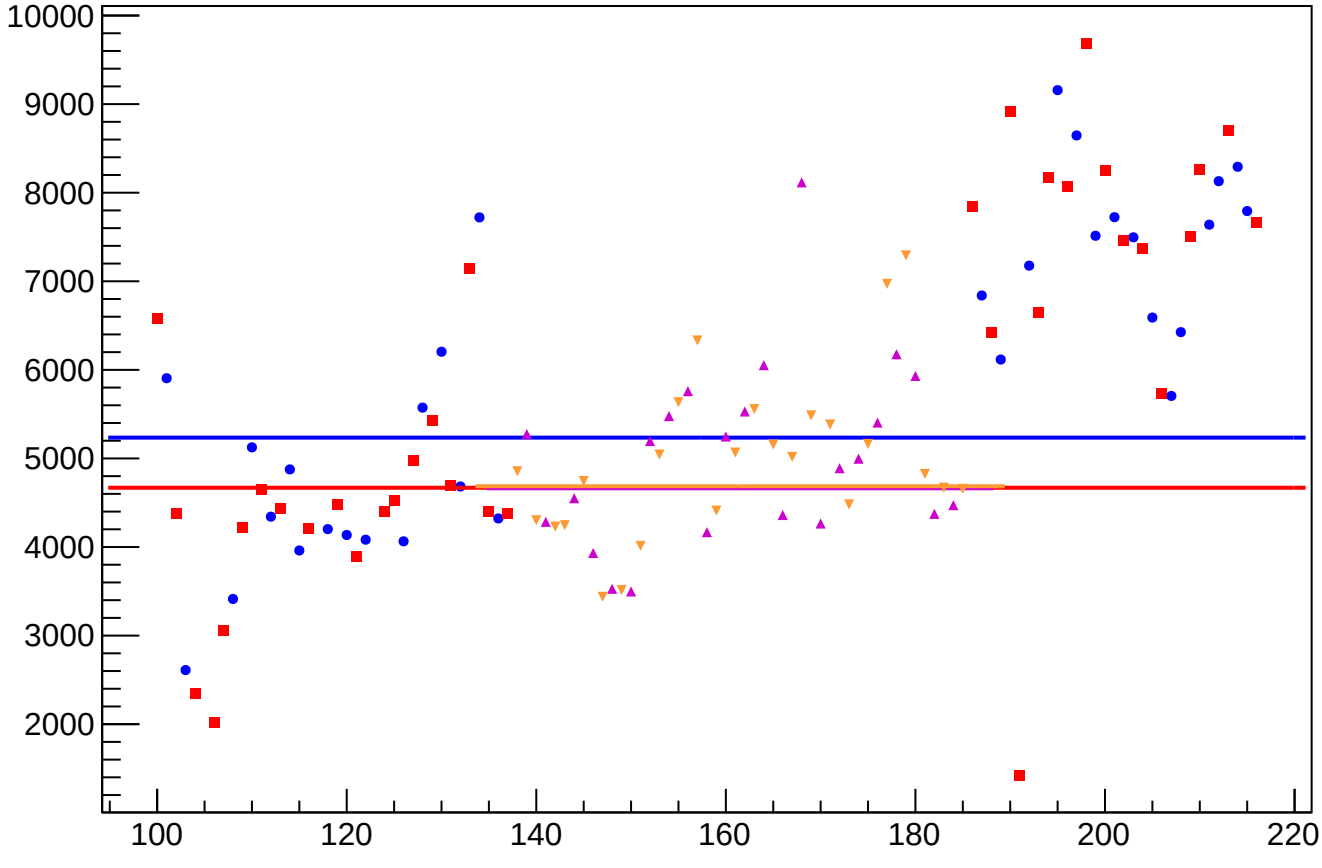
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -525.707+/-860.615 χ^2/NDF: 75.6/65

In: -8.777+/-836.264 χ^2/NDF:49.0/53

Out: -555.261+/-797.601 χ^2/NDF:69.2/59

All: -294.944+/-577.173 χ^2/NDF: 118.4/113



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: 4669.231+/-0.829 χ^2/NDF: 6731111.2/34

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

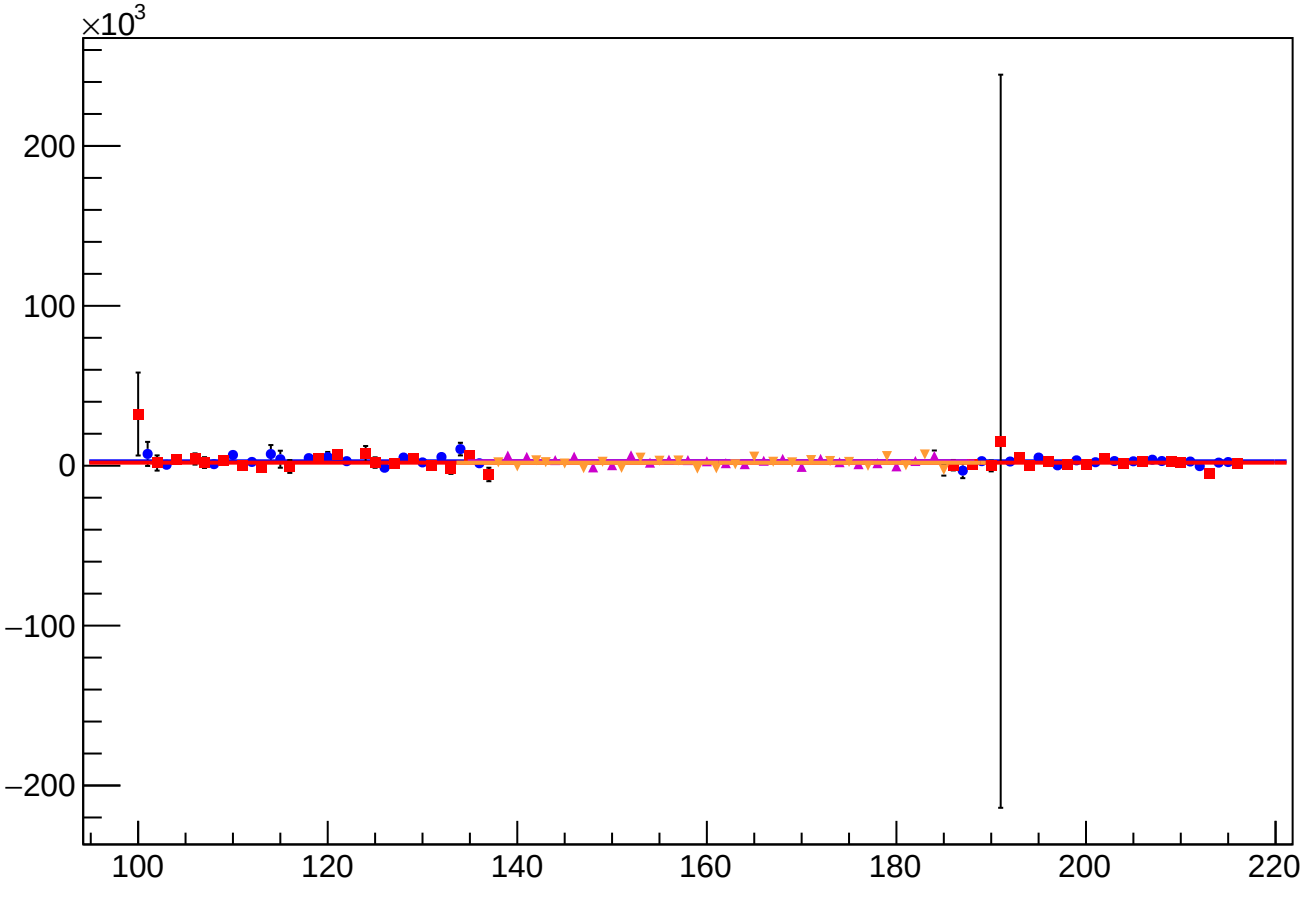
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4929.915+/-0.609 χ^2/NDF: 11113098.4/65

In: 4912.006+/-0.591 χ^2/NDF:5683710.5/53

Out: 4678.418+/-0.564 χ^2/NDF:7916429.2/59

All: 4789.688+/-0.408 χ^2/NDF: 13681851.8/1



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: 1914.973+/-454.992 χ^2/NDF: 34.5/34

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

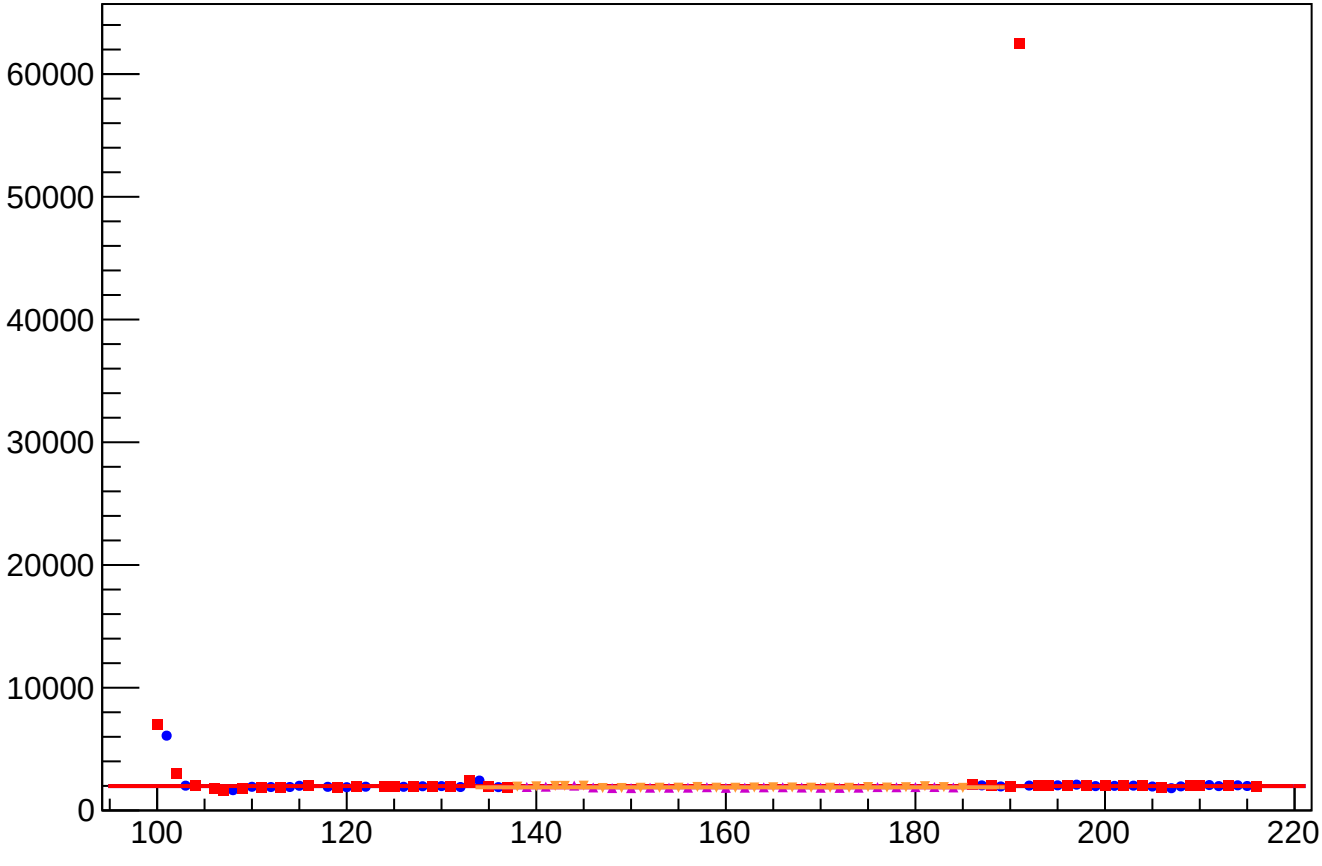
Right: 2341.907+/-322.222 χ^2/NDF: 55.2/65

In: 2785.469+/-316.477 χ^2/NDF:44.4/53

Out: 1896.949+/-312.126 χ^2/NDF:67.4/59

All: 2335.059+/-222.229 χ^2/NDF: 115.8/113

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: 1987.664+/-0.322 χ^2/NDF: 436104.6/34

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

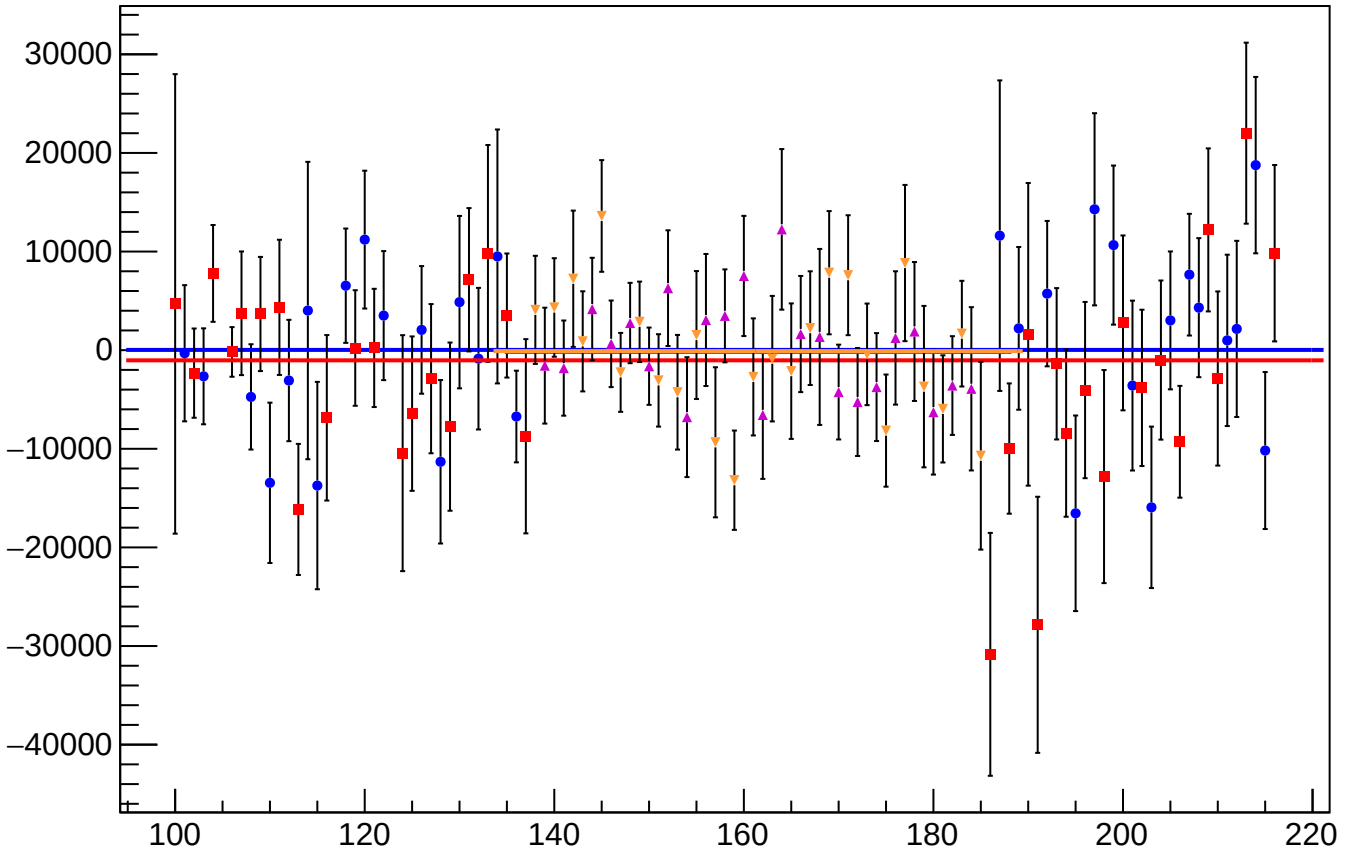
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

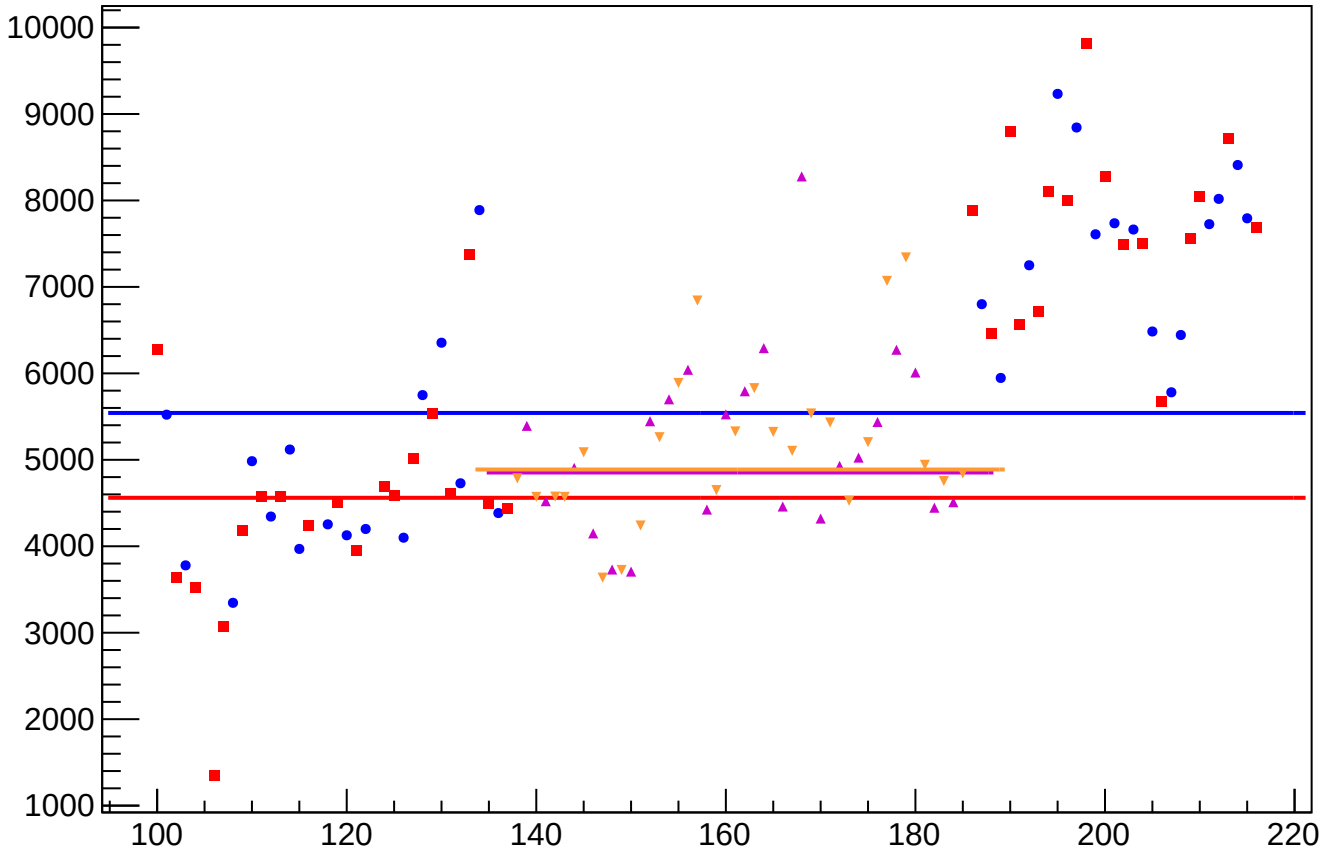
Right: 1987.122+/-0.228 χ^2/NDF: 1131175.5/65

In: 1931.546+/-0.224 χ^2/NDF:770113.3/53

Out: 1934.678+/-0.221 χ^2/NDF:519345.4/59

All: 1933.134+/-0.157 χ^2/NDF: 1289557.9/11


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 27.079+/-1321.451 χ²/NDF: 35.0/30
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -1030.092+/-1149.798 χ²/NDF: 43.1/34
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -574.585+/-867.413 χ²/NDF: 78.4/65
In: -88.602+/-870.092 χ²/NDF:48.5/53
Out: -554.184+/-807.110 χ²/NDF:71.5/59
All: -338.852+/-591.727 χ²/NDF: 120.2/113



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: 4560.729+/-0.813 χ^2/NDF: 7744684.2/34

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

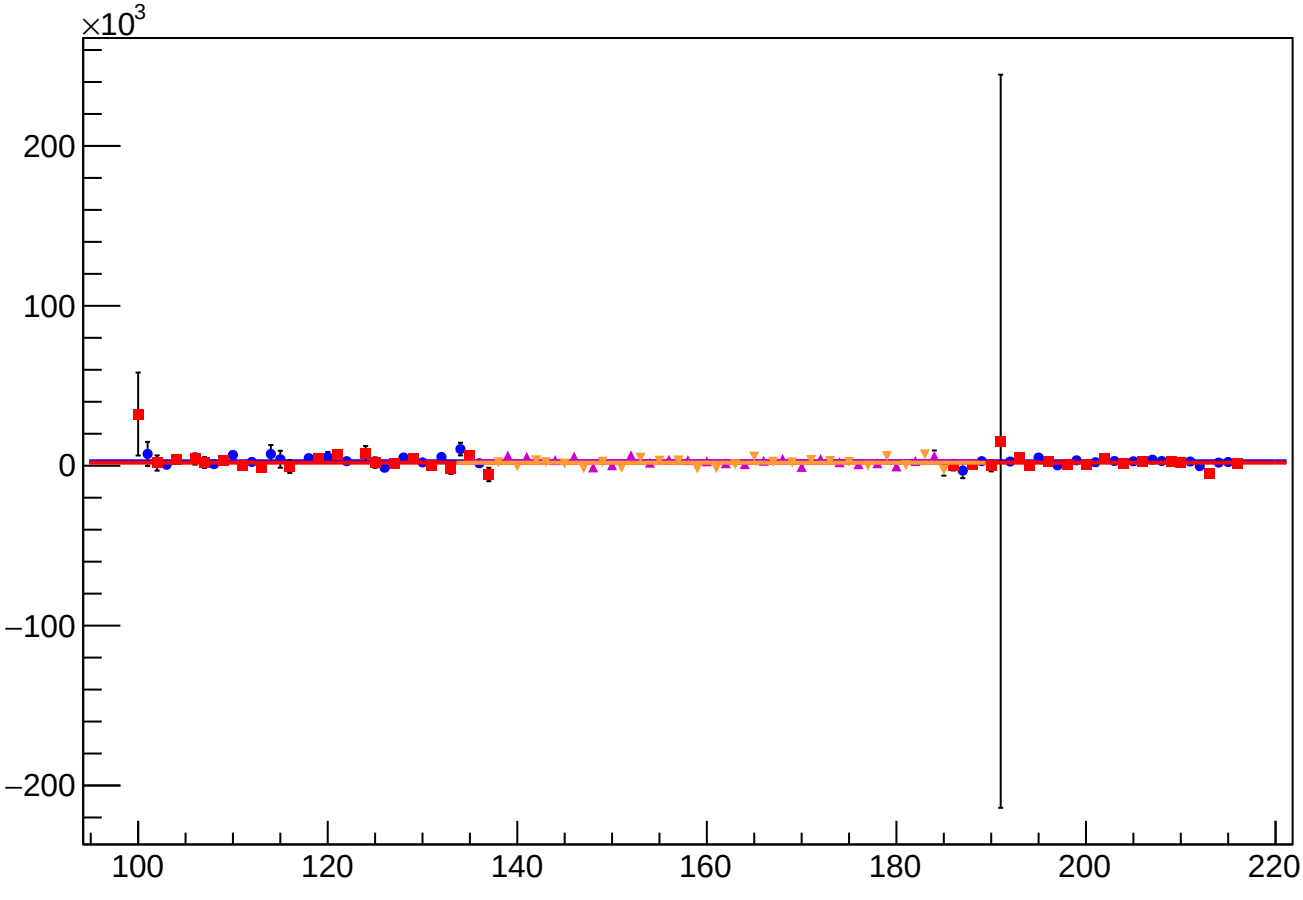
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4983.594+/-0.613 χ^2/NDF: 11449306.5/65

In: 5151.976+/-0.615 χ^2/NDF:4563224.4/53

Out: 4726.649+/-0.571 χ^2/NDF:8890085.3/59

All: 4923.363+/-0.418 χ^2/NDF: 13710184.9/1



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: 1914.974+/-454.992 χ^2/NDF: 34.5/34

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

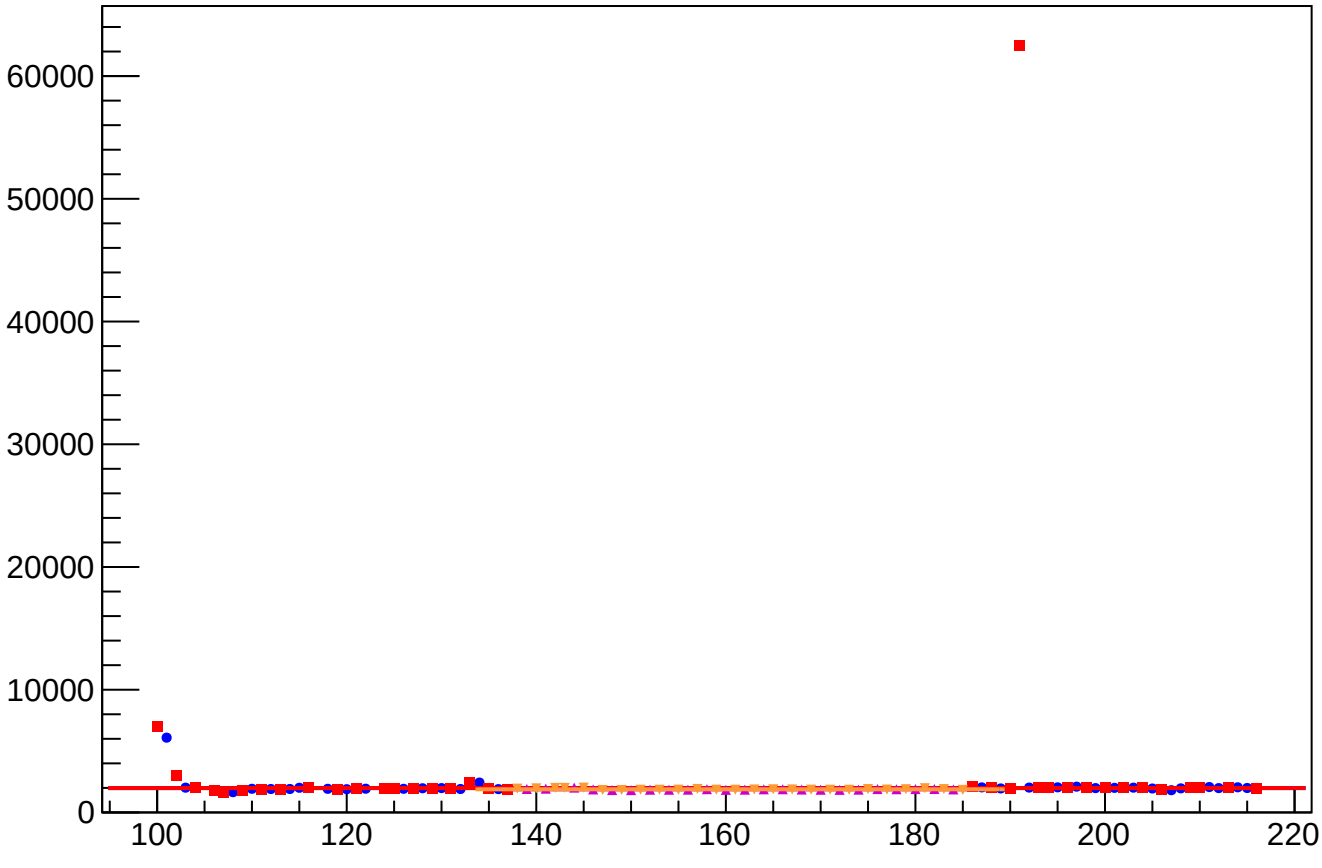
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2341.906+/-322.222 χ^2/NDF: 55.2/65

In: 2785.468+/-316.477 χ^2/NDF:44.4/53

Out: 1896.947+/-312.126 χ^2/NDF:67.4/59

All: 2335.057+/-222.229 χ^2/NDF: 115.8/113



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: 1987.664+/-0.322 χ^2/NDF: 436104.1/34

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

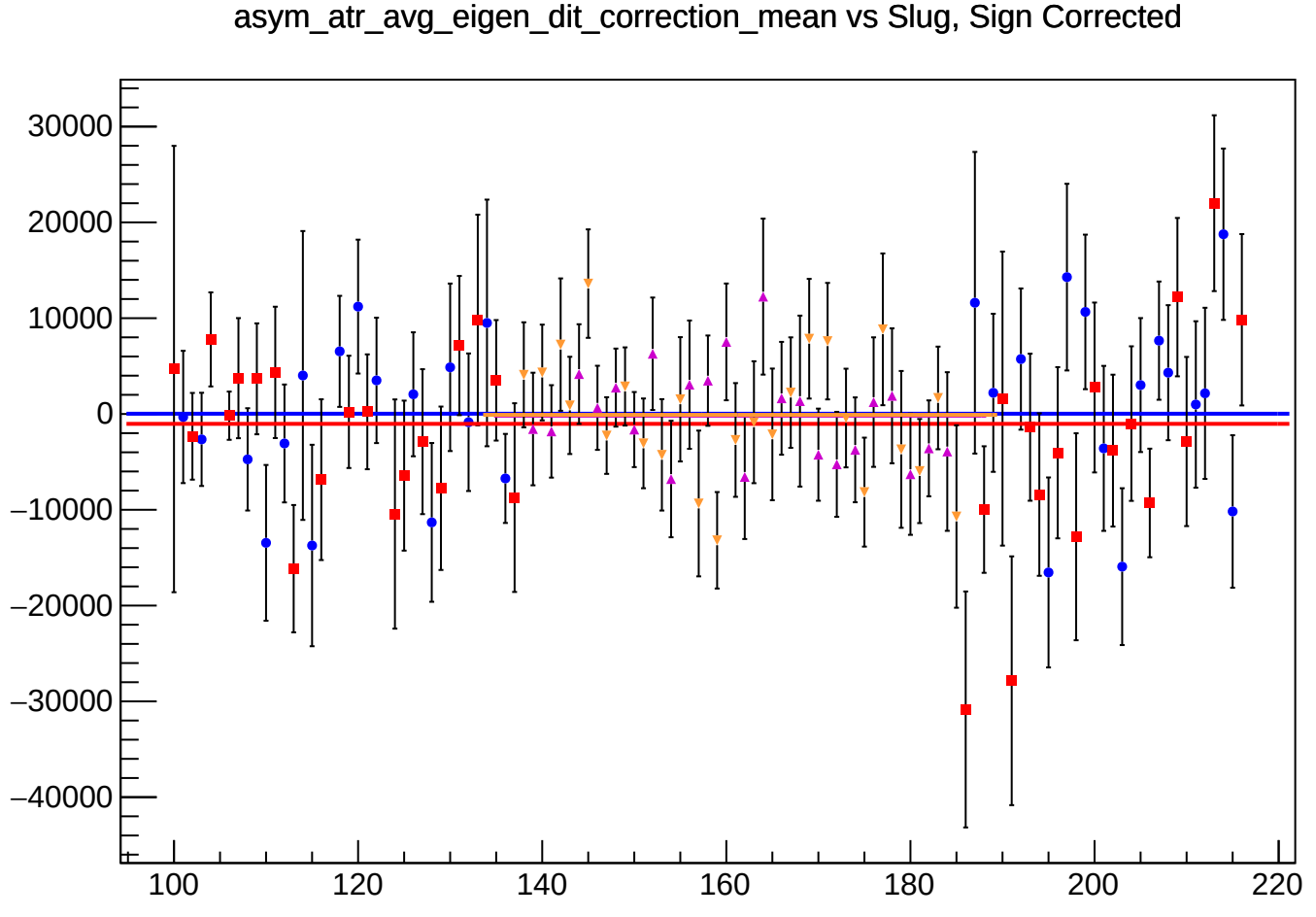
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1987.122+/-0.228 χ^2/NDF: 1131175.2/65

In: 1931.546+/-0.224 χ^2/NDF:770112.5/53

Out: 1934.678+/-0.221 χ^2/NDF:519344.1/59

All: 1933.134+/-0.157 χ^2/NDF: 1289555.9/11



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: -1030.091+/-1149.797 χ^2/NDF: 43.1/34

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

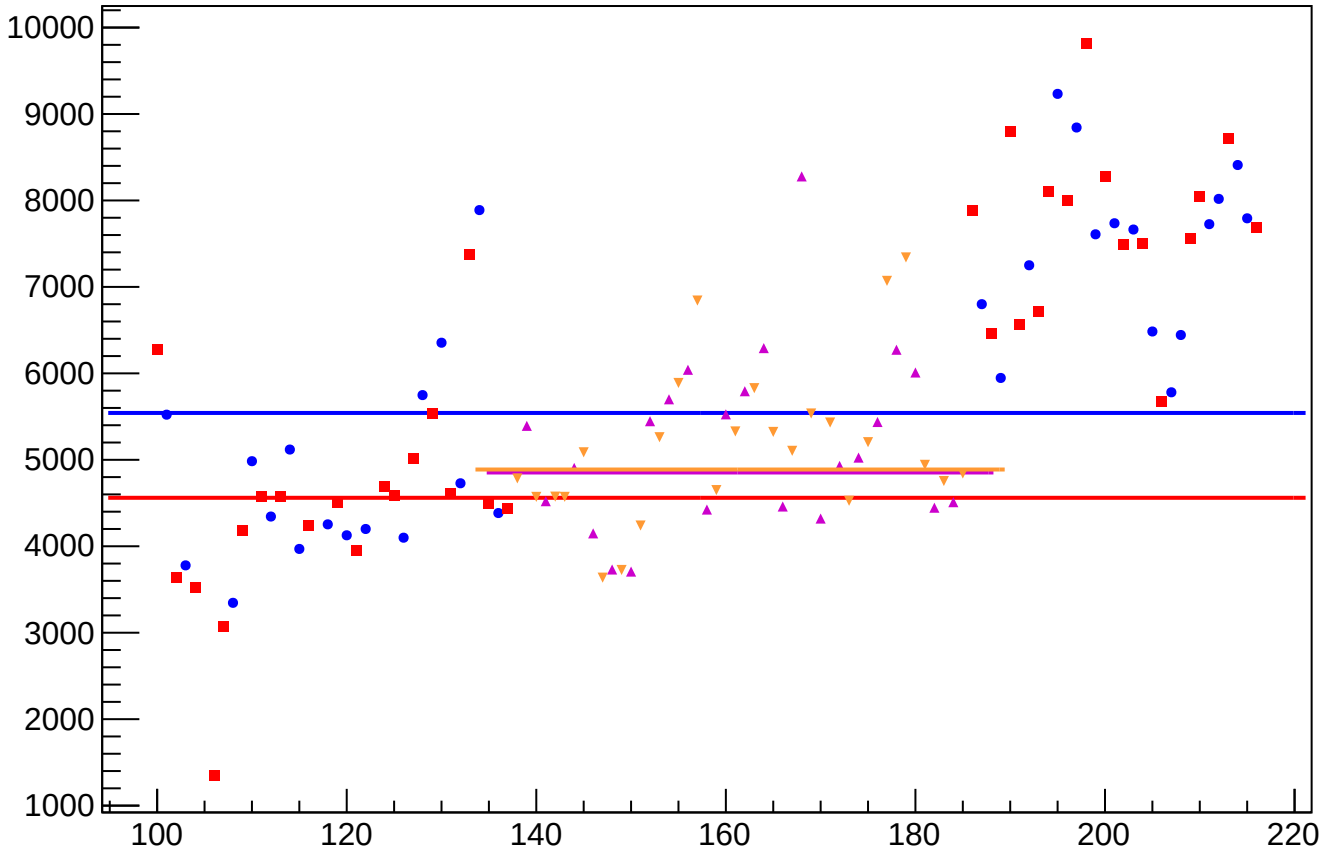
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -574.581+/-867.412 χ^2/NDF: 78.4/65

In: -88.600+/-870.093 χ^2/NDF:48.5/53

Out: -554.186+/-807.110 χ^2/NDF:71.5/59

All: -338.852+/-591.728 χ^2/NDF: 120.2/113



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: 4560.721+/-0.813 χ^2/NDF: 7744729.9/34

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

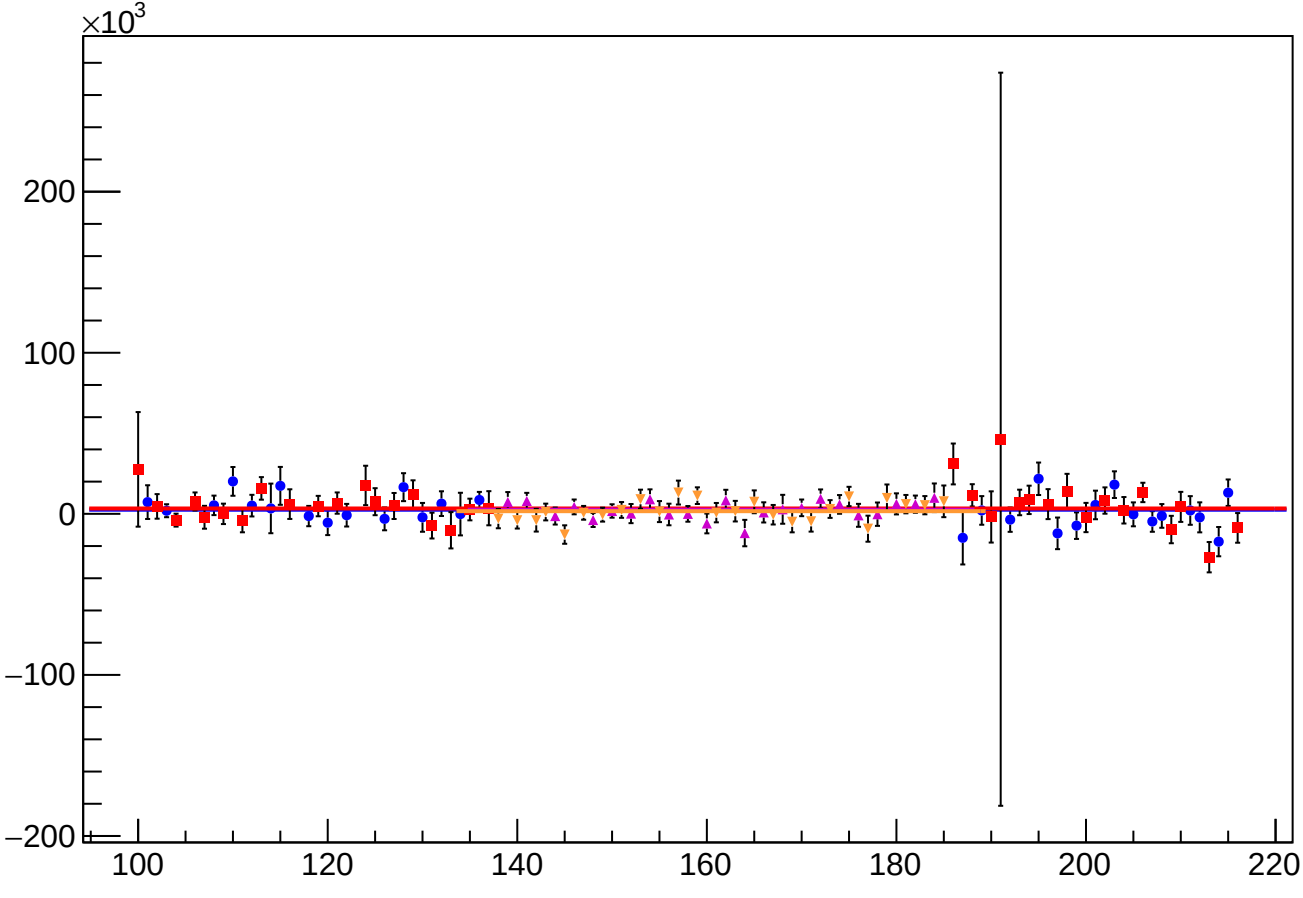
Right: 4983.587+/-0.613 χ^2/NDF: 11449382.9/65

In: 5151.979+/-0.615 χ^2/NDF:4563240.3/53

Out: 4726.648+/-0.571 χ^2/NDF:8890140.7/59

All: 4923.364+/-0.418 χ^2/NDF: 13710260.6/1

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: 3317.817+/-1341.606 χ^2/NDF: 41.4/34

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

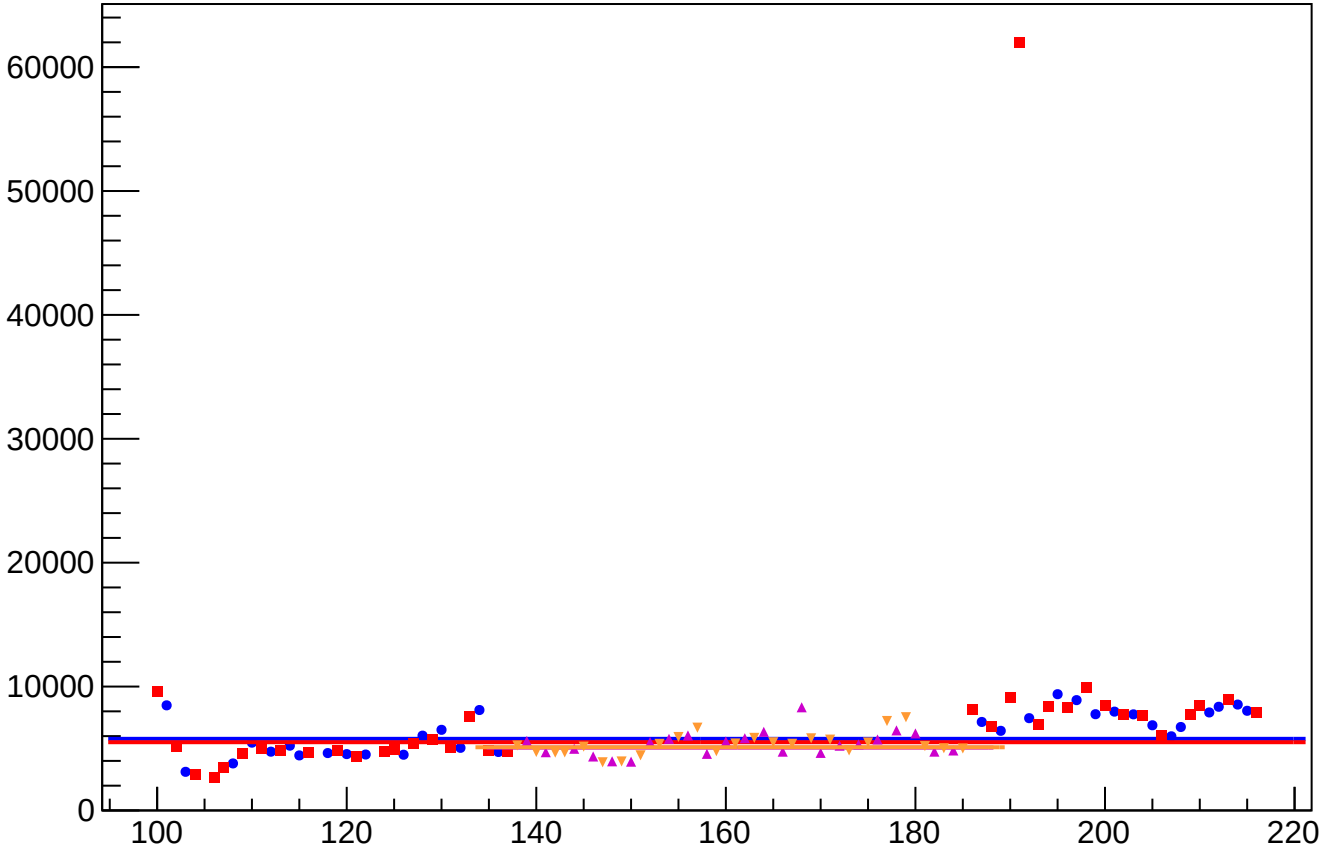
Right: 2946.255+/-962.845 χ^2/NDF: 75.7/65

In: 2558.427+/-908.189 χ^2/NDF:50.1/53

Out: 2379.125+/-885.472 χ^2/NDF:68.2/59

All: 2466.505+/-634.002 χ^2/NDF: 118.3/113

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: 5508.685+/-0.943 χ^2/NDF: 4400792.6/34

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

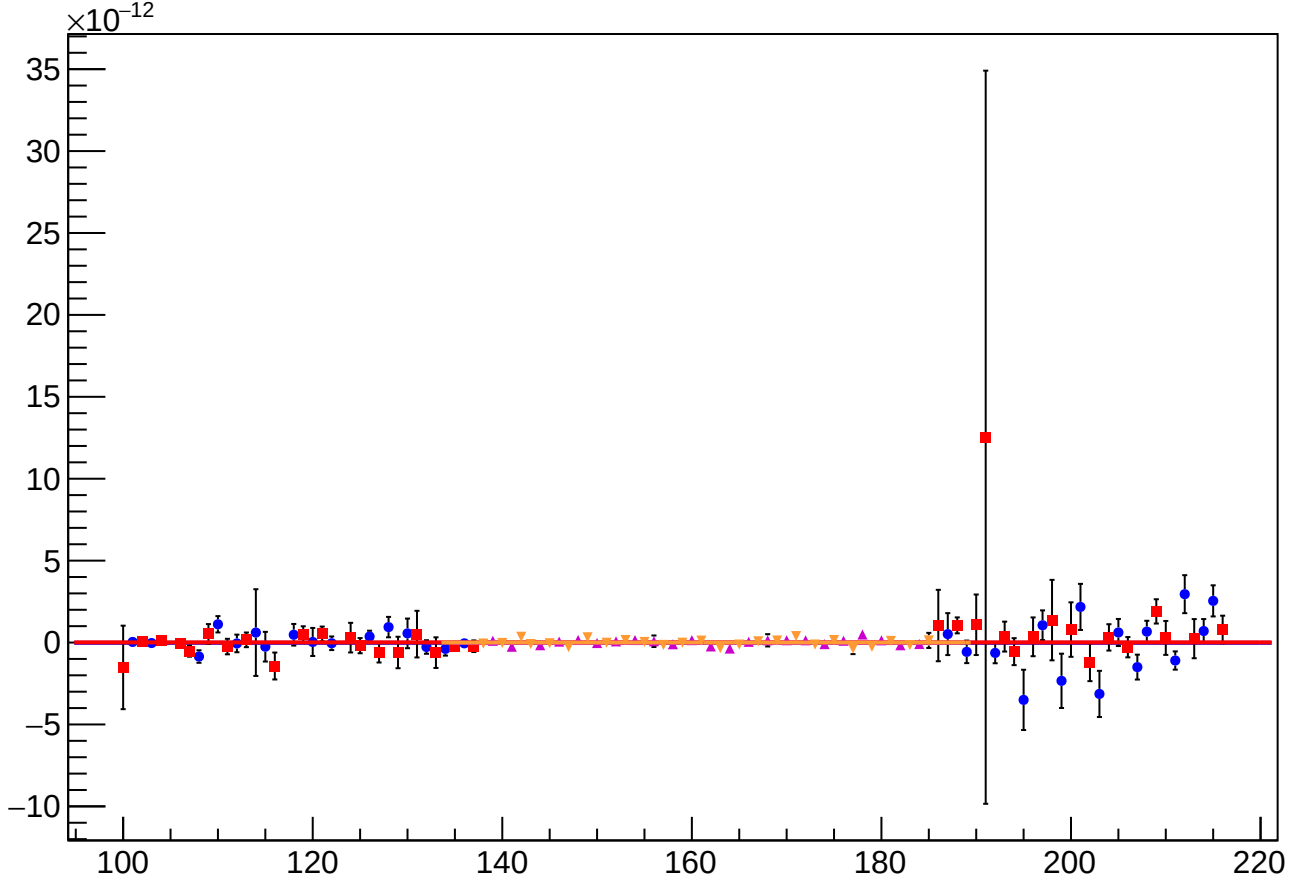
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5639.982+/-0.679 χ^2/NDF: 7793487.0/65

In: 5378.775+/-0.642 χ^2/NDF:4642138.4/53

Out: 5279.517+/-0.625 χ^2/NDF:5415202.4/59

All: 5327.767+/-0.448 χ^2/NDF: 10069617.4/1



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: 31.1/34

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

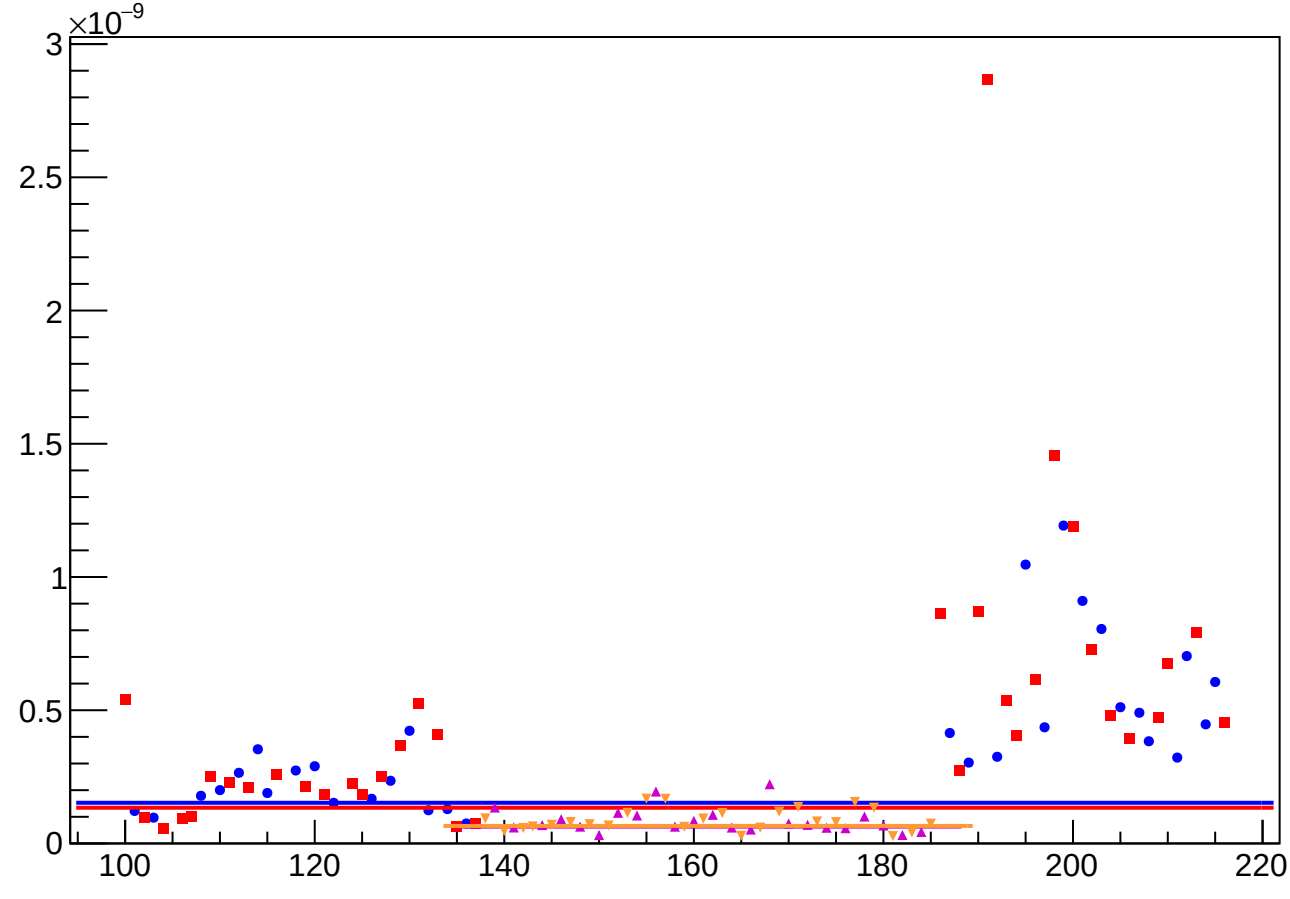
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 87.1/65

In: -0.000+/-0.000 χ^2/NDF:88.4/53

Out: 0.000+/-0.000 χ^2/NDF:64.3/59

All: -0.000+/-0.000 χ^2/NDF: 153.0/113



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: 8452028.8/34

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

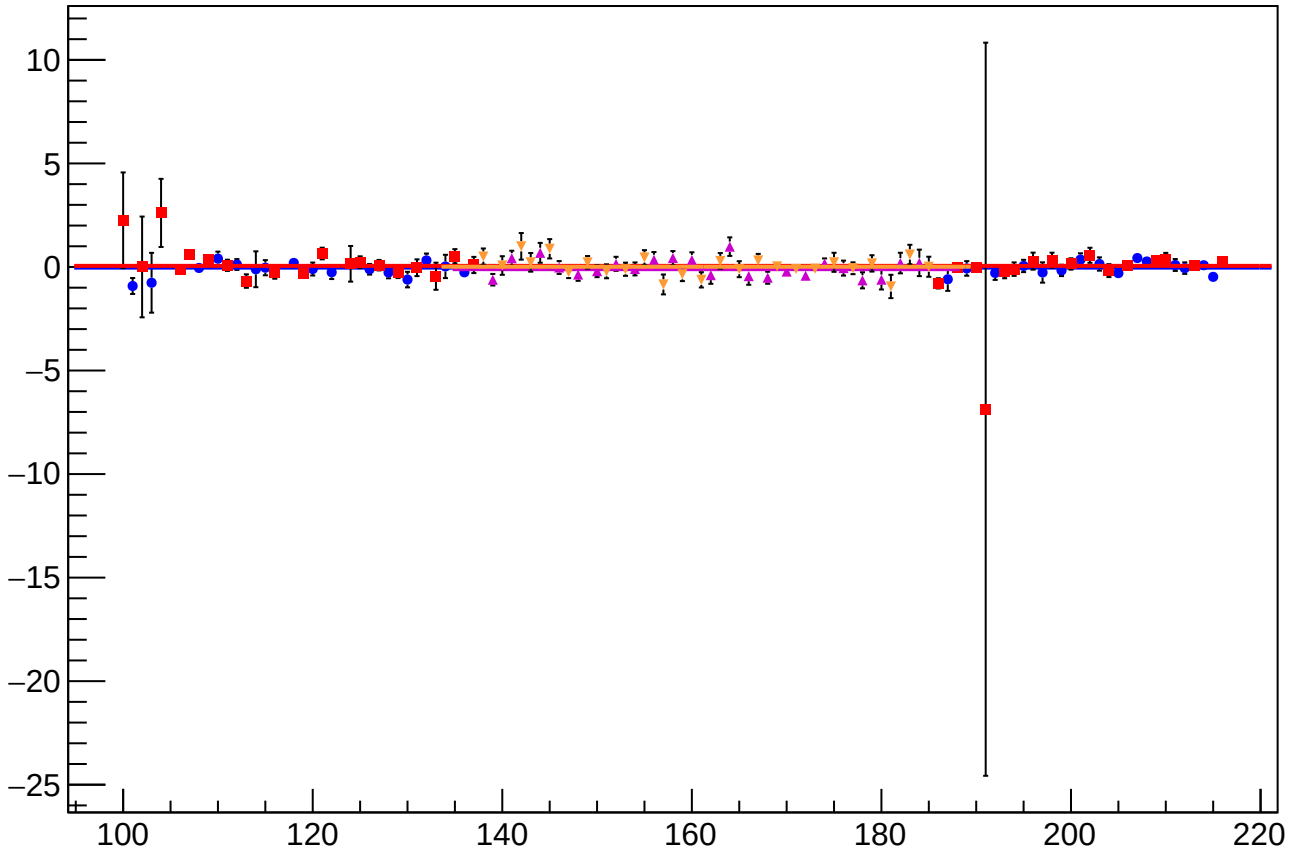
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15292666.1/65

In: 0.000+/-0.000 χ^2/NDF:11705485.2/53

Out: 0.000+/-0.000 χ^2/NDF:12605493.5/59

All: 0.000+/-0.000 χ^2/NDF: 24311119.1/113



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: 0.054+/-0.046 χ^2/NDF: 49.2/34

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

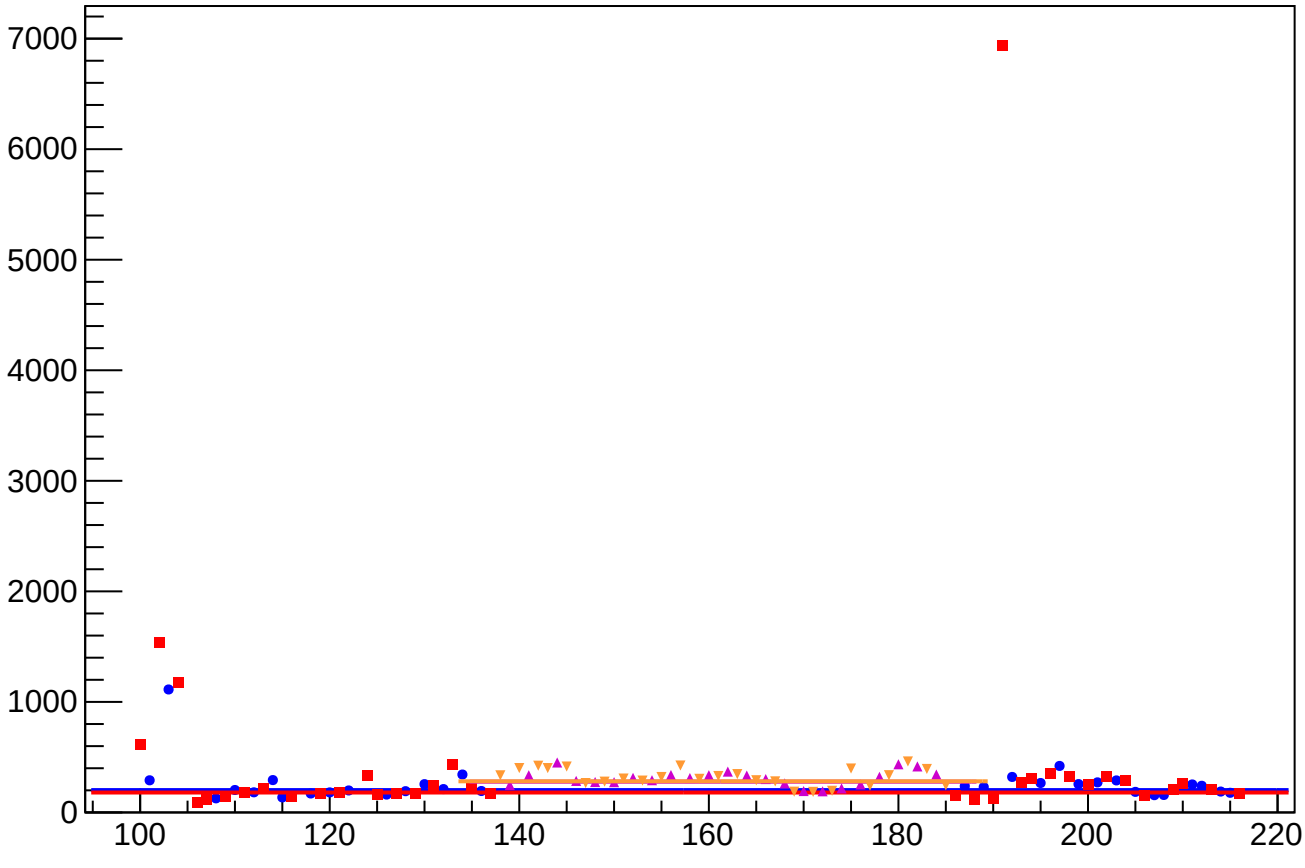
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.015+/-0.034 χ^2/NDF: 86.8/65

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.041+/-0.038 χ^2/NDF:74.6/59

All: -0.005+/-0.028 χ^2/NDF: 146.0/113



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: 180.397+/-0.033 χ^2/NDF: 5686102.1/34

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

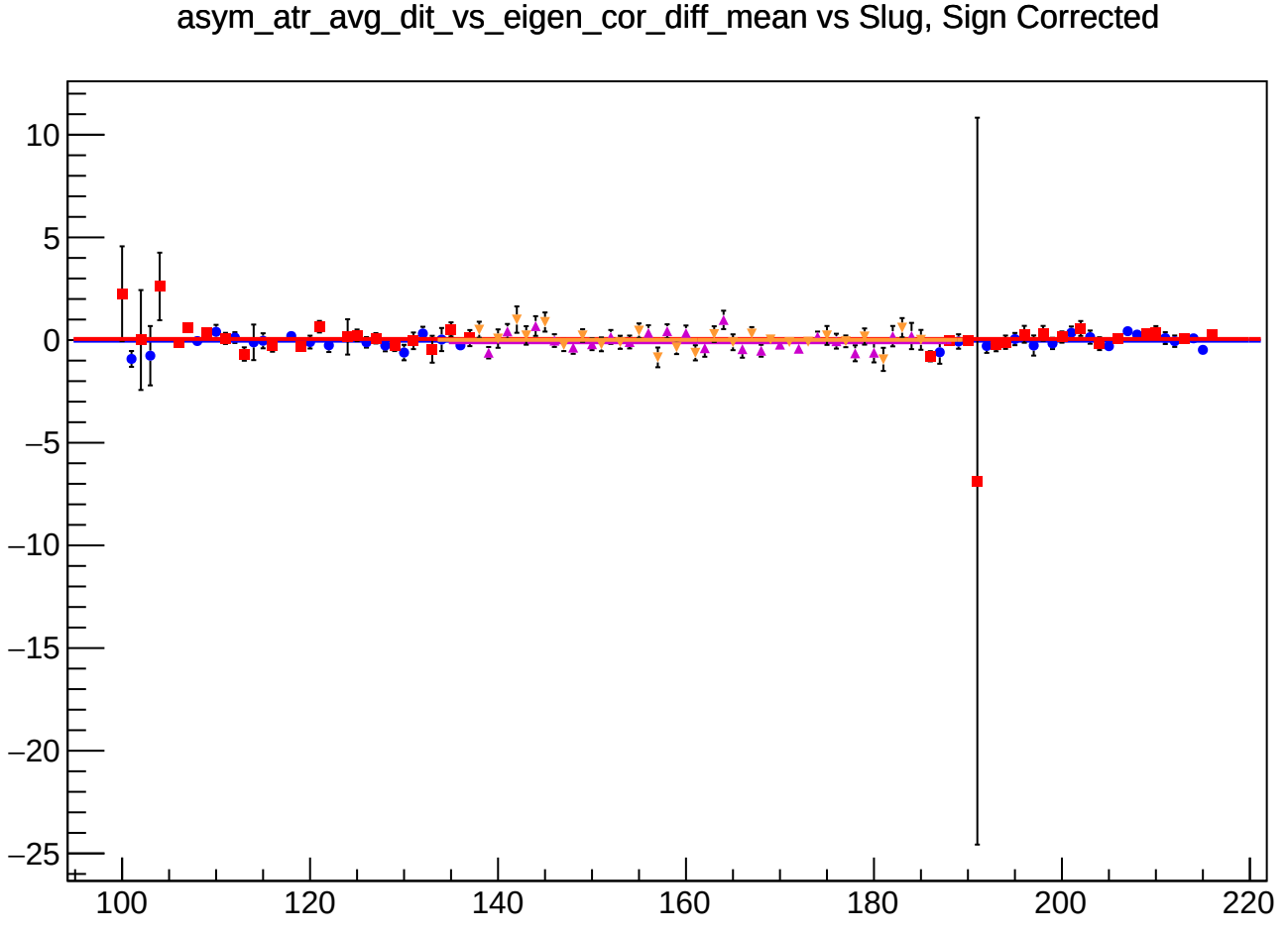
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.496+/-0.024 χ^2/NDF: 8927839.2/65

In: 228.596+/-0.029 χ^2/NDF:6444445.4/53

Out: 212.292+/-0.027 χ^2/NDF:11252665.8/59

All: 219.996+/-0.020 χ^2/NDF: 17869619.5/11



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: 0.054+/-0.046 χ^2/NDF: 49.2/34

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

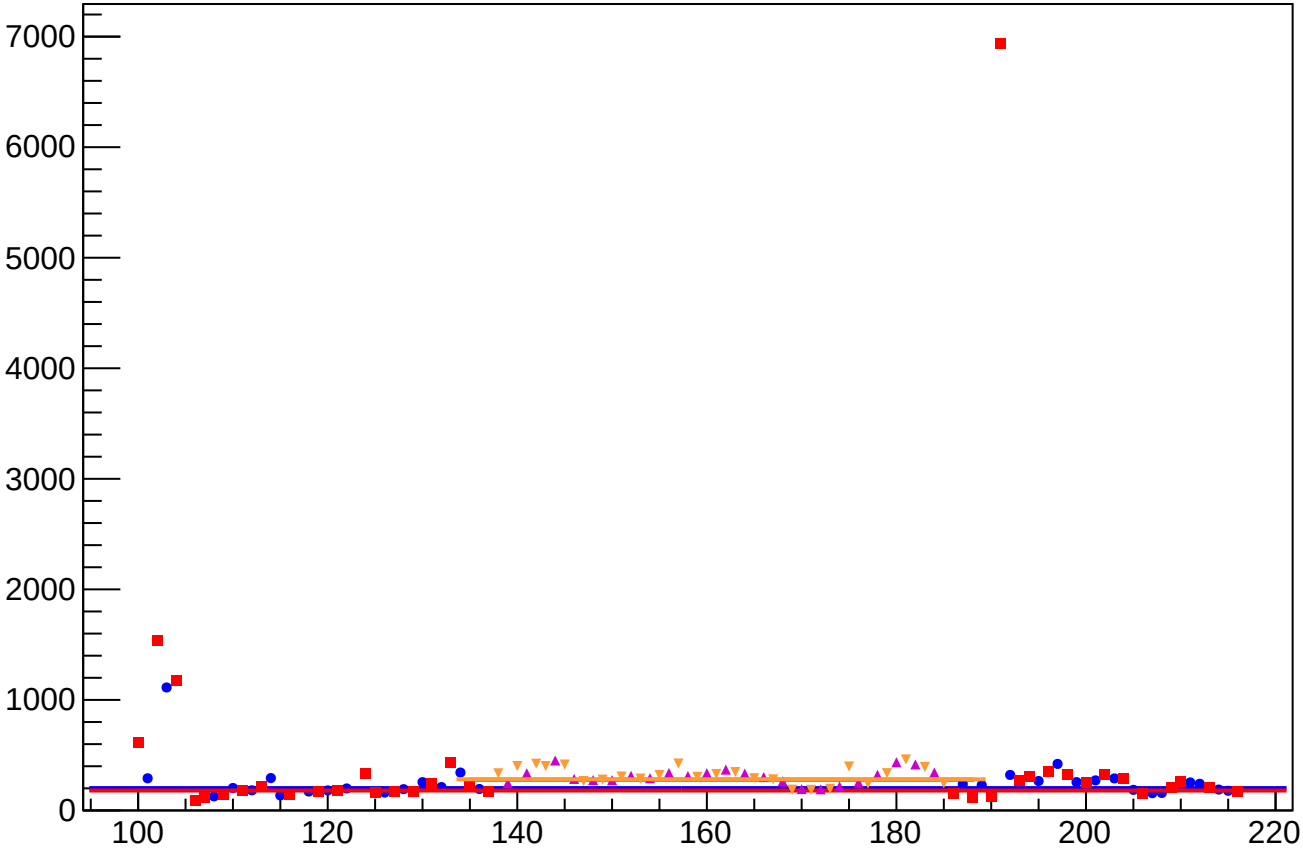
Right: 0.015+/-0.034 χ^2/NDF: 86.8/65

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.041+/-0.038 χ^2/NDF:74.6/59

All: -0.005+/-0.028 χ^2/NDF: 146.0/113

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 180.397+/-0.033 χ^2/NDF: 5686102.1/34

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

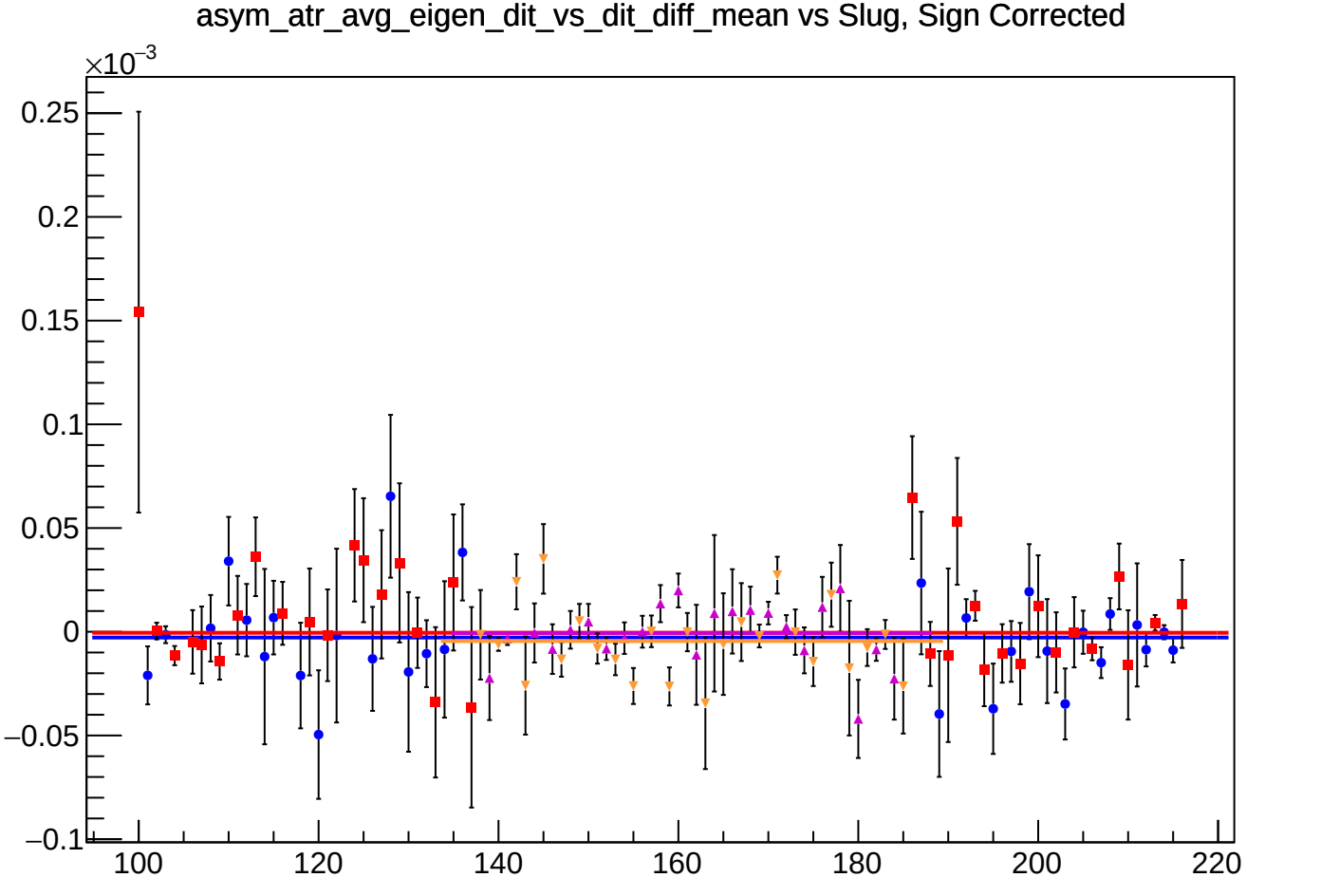
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 190.496+/-0.024 χ^2/NDF: 8927839.2/65

In: 228.596+/-0.029 χ^2/NDF:6444445.4/53

Out: 212.292+/-0.027 χ^2/NDF:11252665.8/59

All: 219.996+/-0.020 χ^2/NDF: 17869619.5/11



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: 43.9/34

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

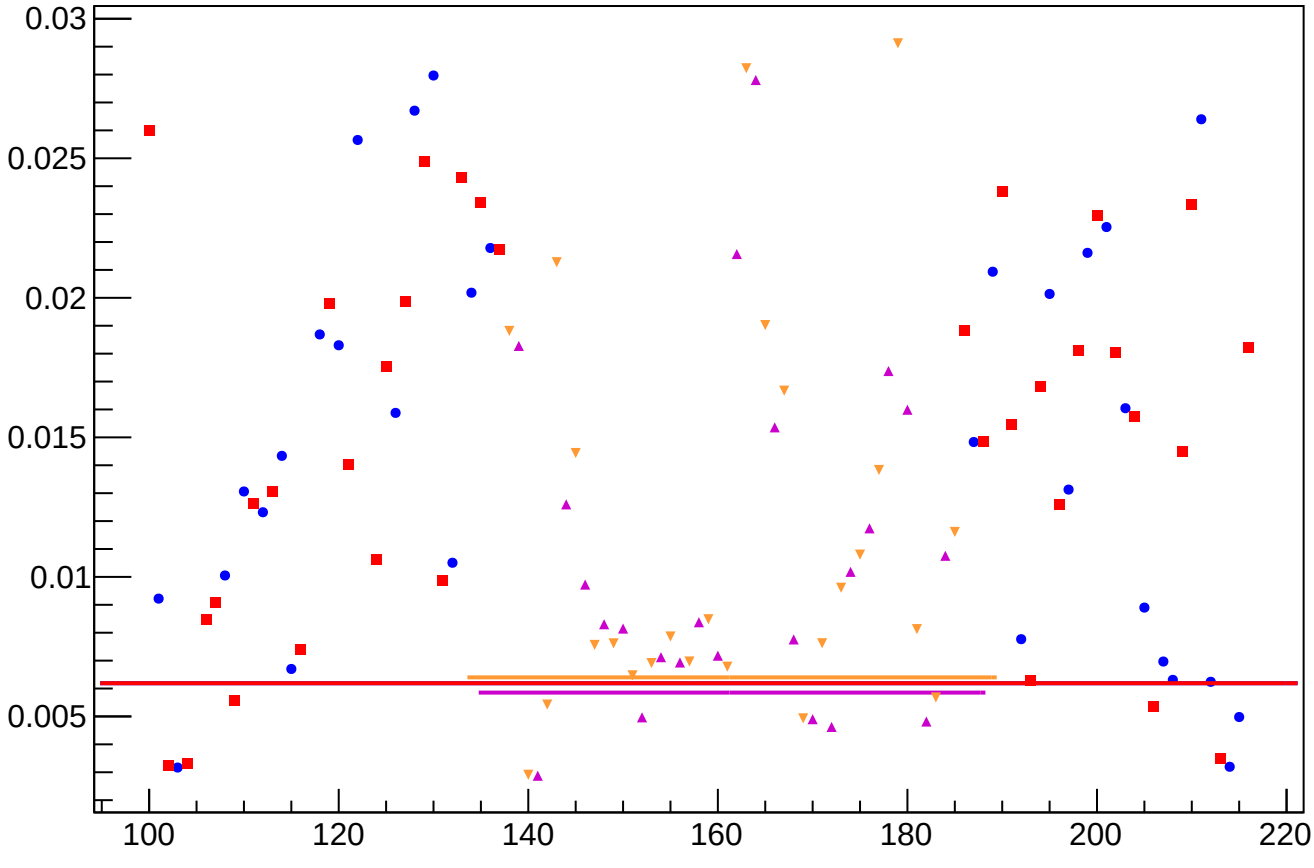
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 77.2/65

In: -0.000+/-0.000 χ^2/NDF:62.3/53

Out: -0.000+/-0.000 χ^2/NDF:92.9/59

All: -0.000+/-0.000 χ^2/NDF: 155.6/113



Right In: 0.006+/-0.000 χ^2/NDF: 13028633.2/30

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 14770554.8/34

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

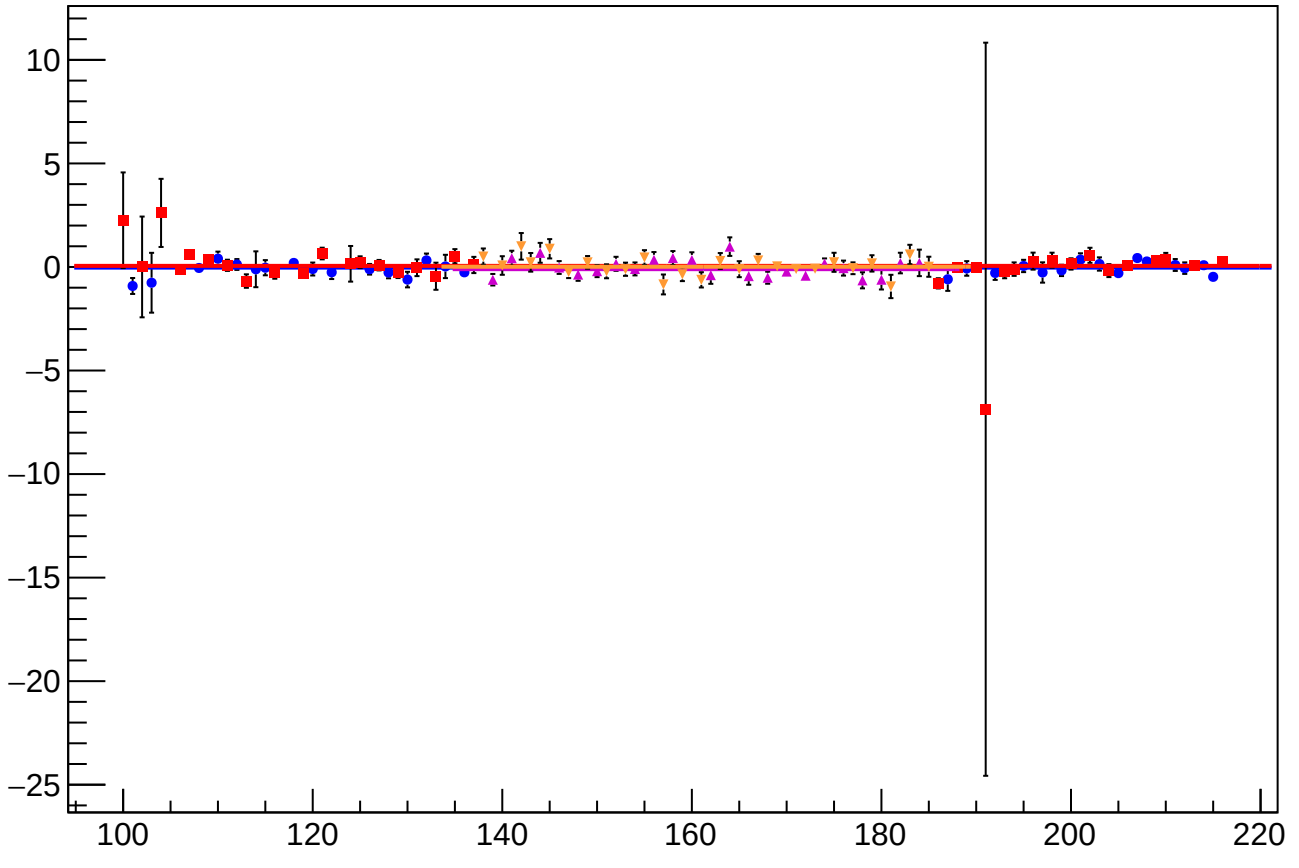
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.006+/-0.000 χ^2/NDF: 27799188.3/65

In: 0.006+/-0.000 χ^2/NDF:21210058.1/53

Out: 0.006+/-0.000 χ^2/NDF:23748983.0/59

All: 0.006+/-0.000 χ^2/NDF: 45017584.7/113



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: 0.054+/-0.046 χ^2/NDF: 49.2/34

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

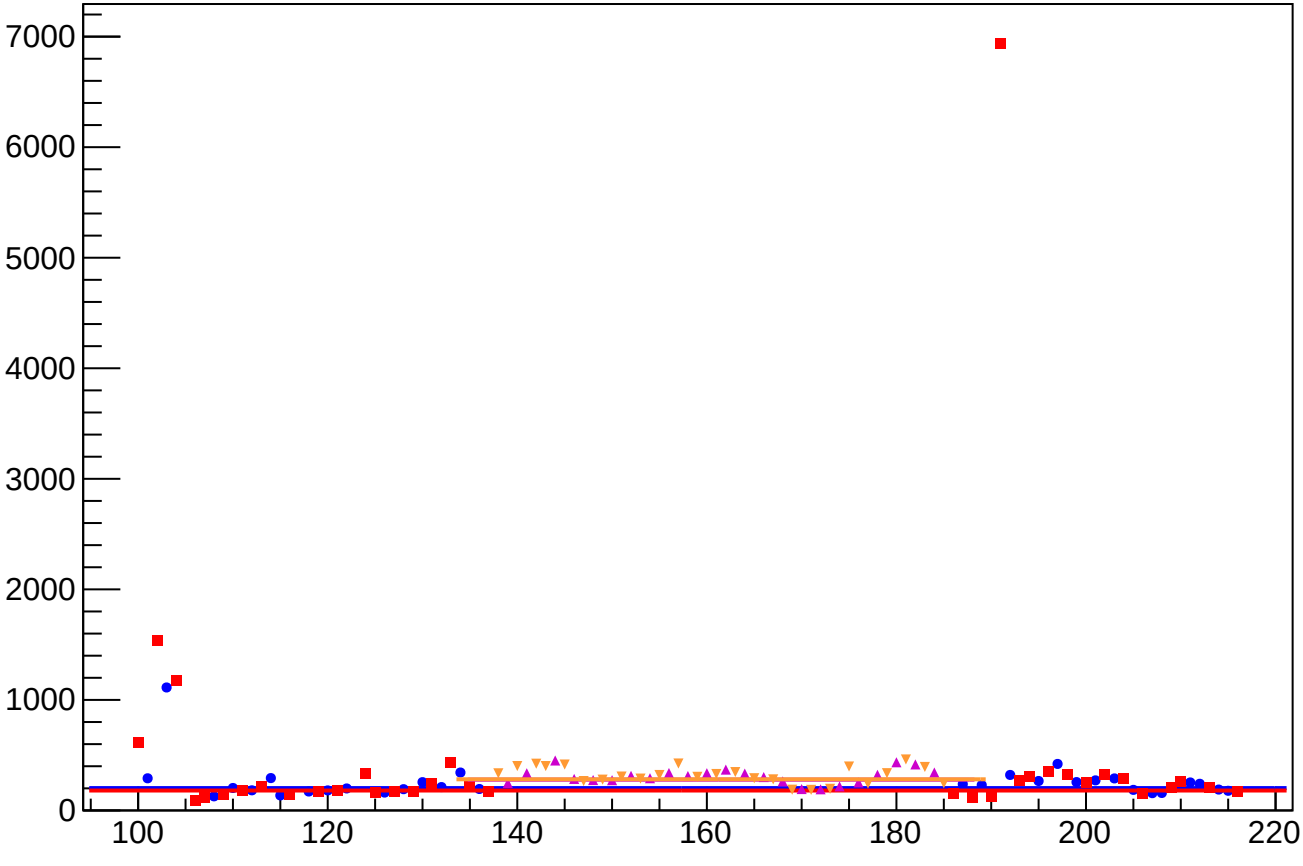
Right: 0.015+/-0.034 χ^2/NDF: 86.8/65

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.041+/-0.038 χ^2/NDF:74.6/59

All: -0.005+/-0.028 χ^2/NDF: 146.0/113

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: 180.394+/-0.033 χ^2/NDF: 5686252.1/34

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

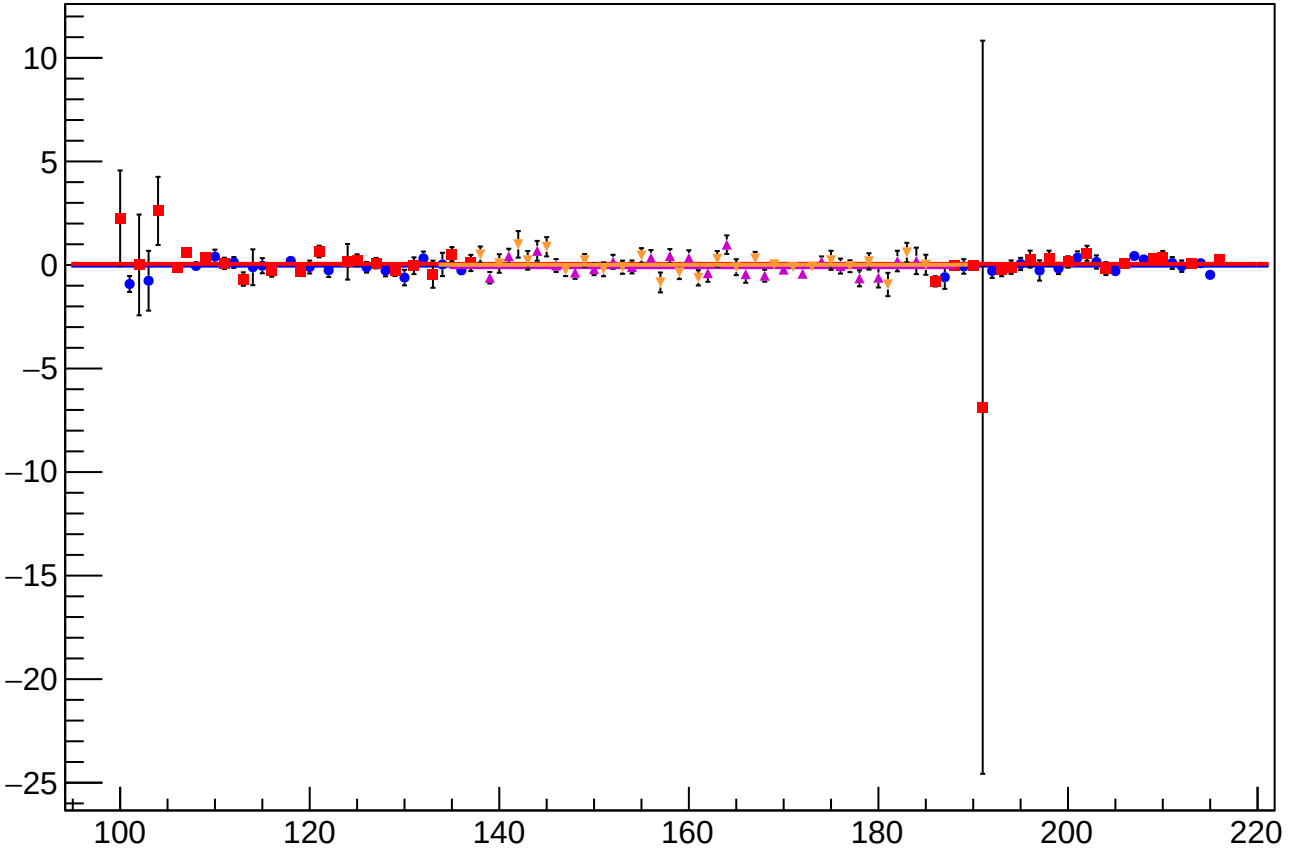
Right: 190.494+/-0.024 χ^2/NDF: 8928061.5/65

In: 228.596+/-0.029 χ^2/NDF:6444613.5/53

Out: 212.290+/-0.027 χ^2/NDF:11253180.8/59

All: 219.995+/-0.020 χ^2/NDF: 17870350.1/11

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.054+/-0.046 χ^2/NDF: 49.2/34

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

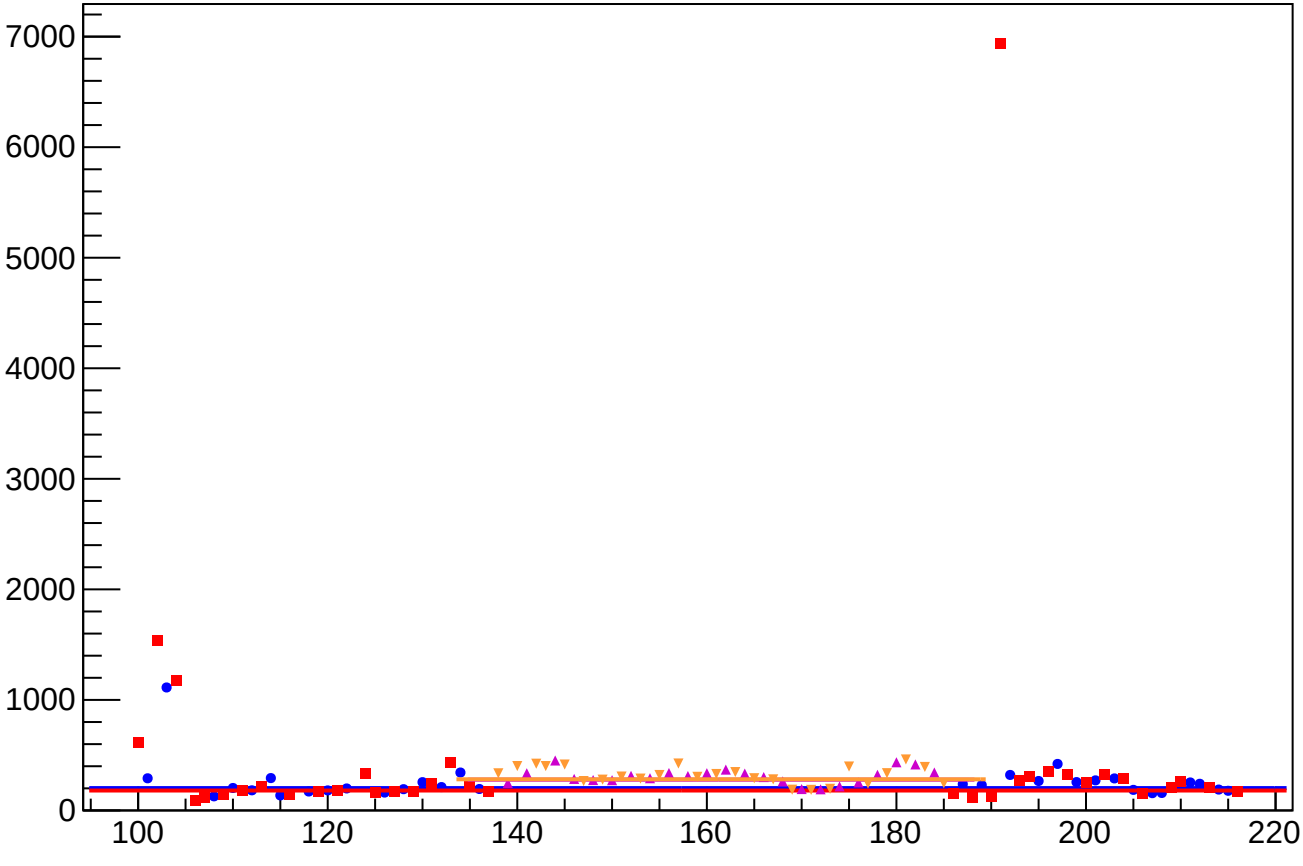
Right: 0.015+/-0.034 χ^2/NDF: 86.8/65

In: -0.056+/-0.040 χ^2/NDF:68.3/53

Out: 0.041+/-0.038 χ^2/NDF:74.6/59

All: -0.005+/-0.028 χ^2/NDF: 146.0/113

asym_atr_avg_eigen_dit_vs_eigen_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: 180.394+/-0.033 χ^2/NDF: 5686252.1/34

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

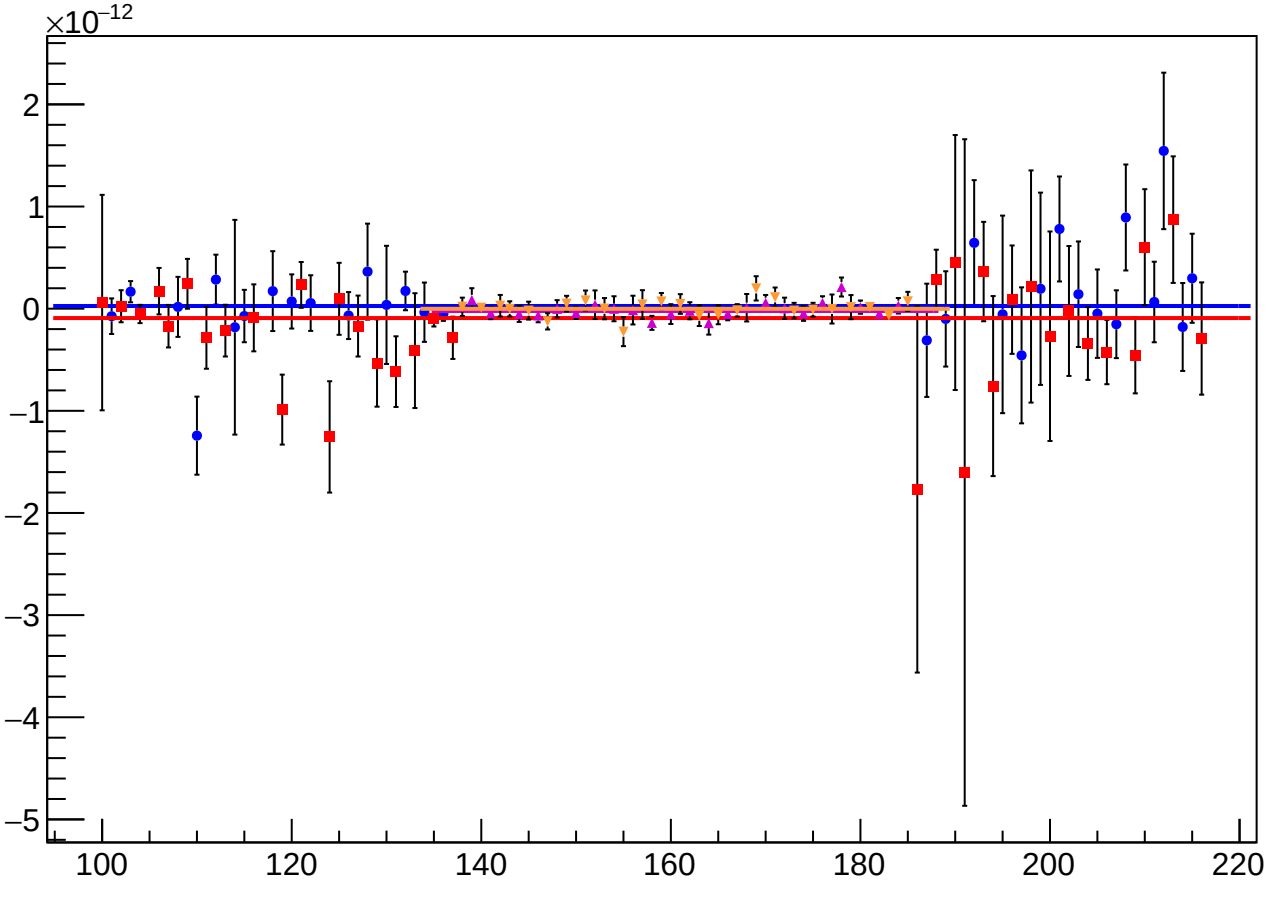
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

Right: 190.494+/-0.024 χ^2/NDF: 8928061.5/65

In: 228.596+/-0.029 χ^2/NDF:6444613.5/53

Out: 212.290+/-0.027 χ^2/NDF:11253180.8/59

All: 219.995+/-0.020 χ^2/NDF: 17870350.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.4/34

Left In: -0.000+/-0.000 χ^2/NDF:16.8/22

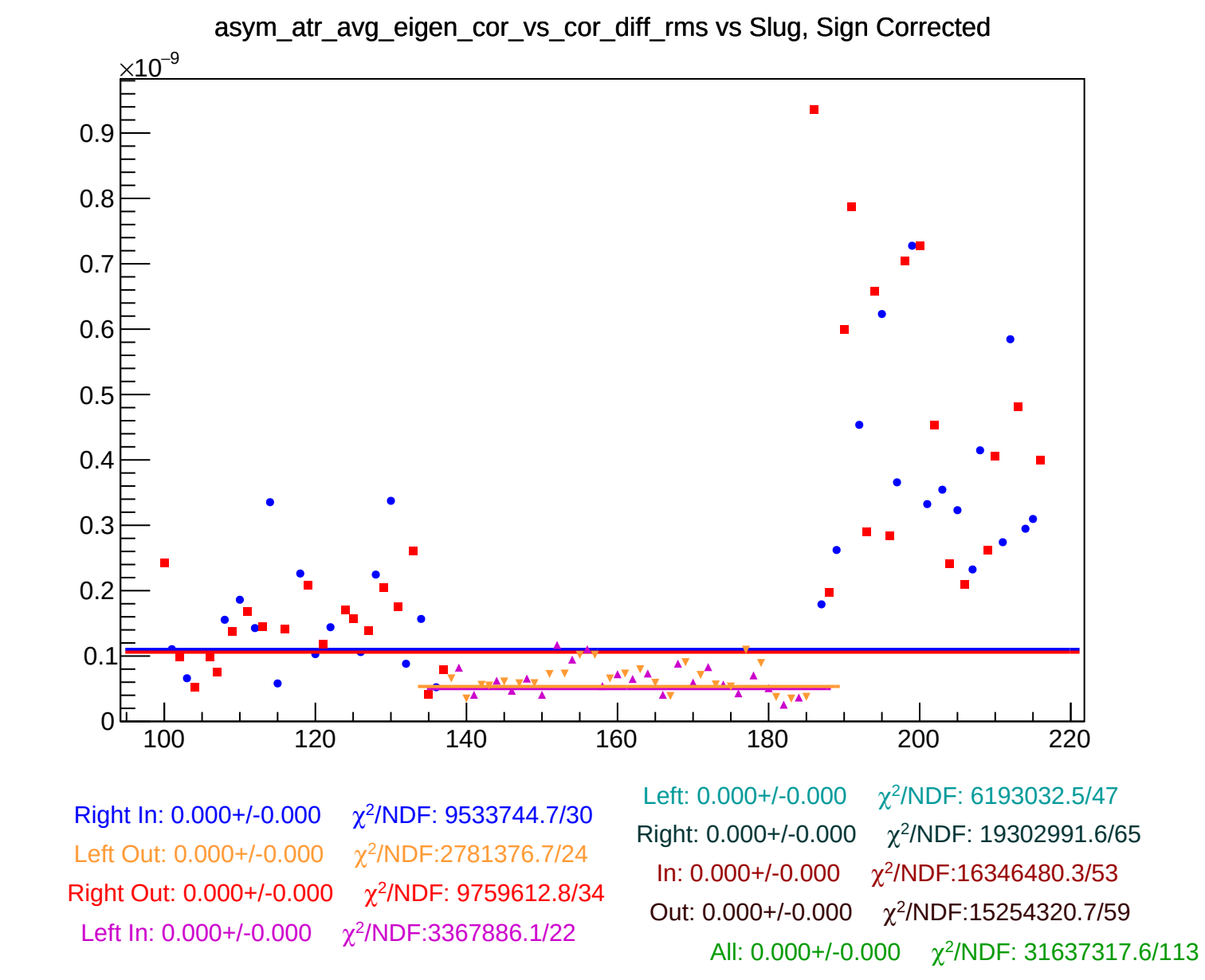
Left: -0.000+/-0.000 χ^2/NDF: 33.1/47

Right: -0.000+/-0.000 χ^2/NDF: 67.3/65

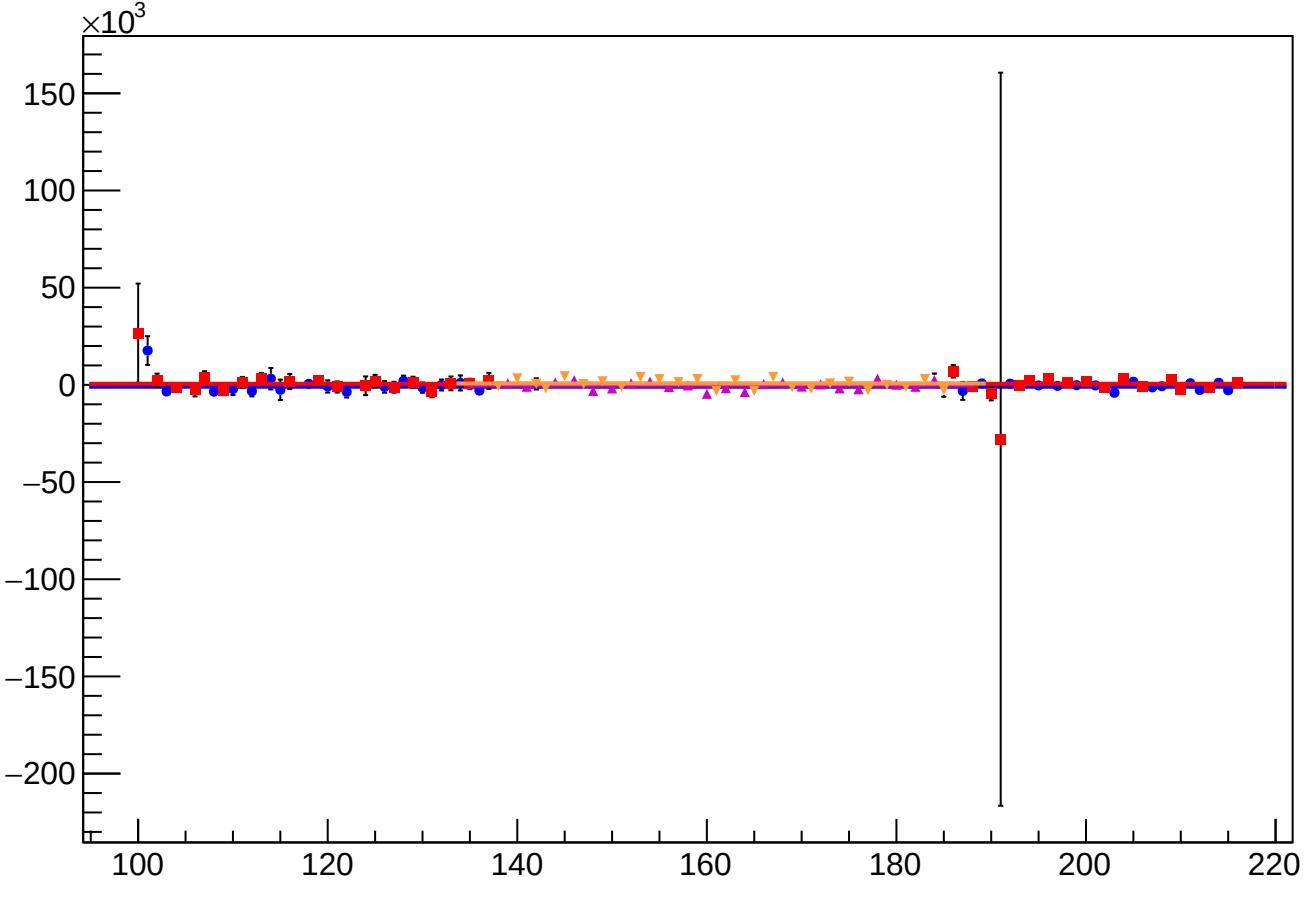
In: -0.000+/-0.000 χ^2/NDF:47.0/53

Out: -0.000+/-0.000 χ^2/NDF:53.8/59

All: -0.000+/-0.000 χ^2/NDF: 100.9/113


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: 9759612.8/34
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: 19302991.6/65
In: 0.000+/-0.000 χ²/NDF:16346480.3/53
Out: 0.000+/-0.000 χ²/NDF:15254320.7/59
All: 0.000+/-0.000 χ²/NDF: 31637317.6/113

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: 565.214+/-440.129 χ^2/NDF: 26.8/34

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

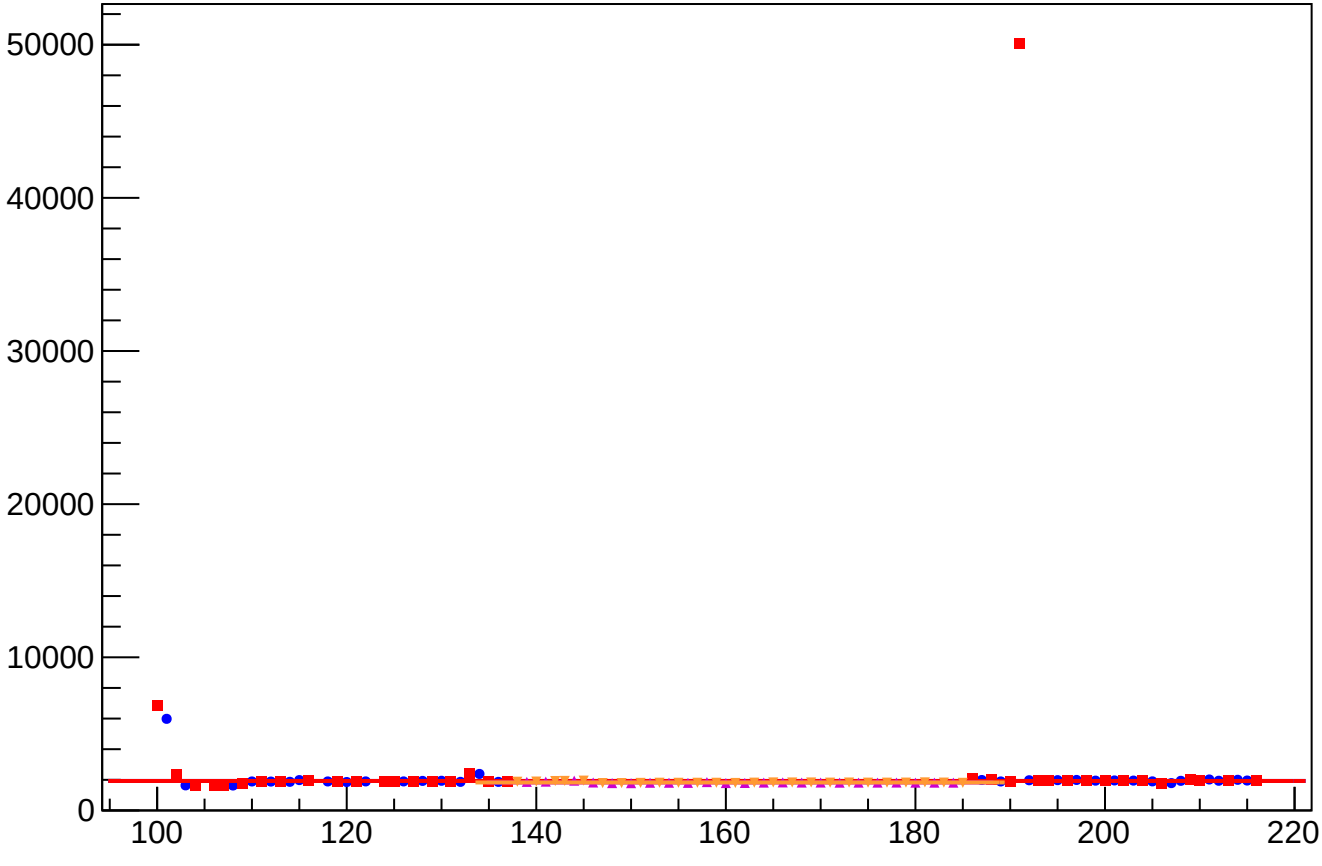
Right: -188.961+/-312.125 χ^2/NDF: 55.2/65

In: -667.156+/-307.044 χ^2/NDF:44.0/53

Out: 639.539+/-302.090 χ^2/NDF:58.7/59

All: -3.182+/-215.340 χ^2/NDF: 112.0/113

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: 1924.970+/-0.311 χ^2/NDF: 393049.3/34

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

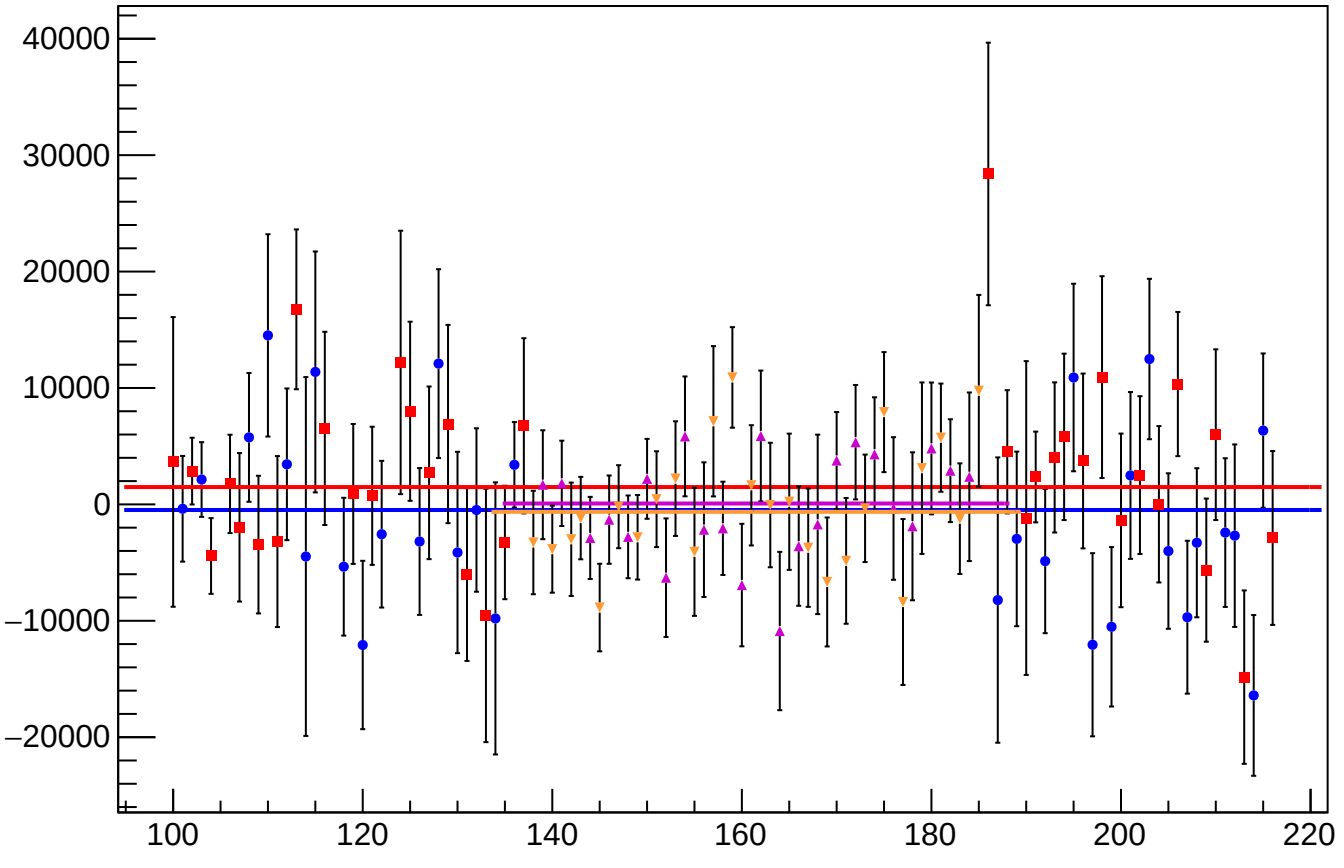
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1925.771+/-0.221 χ^2/NDF: 1117043.8/65

In: 1873.950+/-0.217 χ^2/NDF:791815.4/53

Out: 1873.875+/-0.213 χ^2/NDF:463540.8/59

All: 1873.912+/-0.152 χ^2/NDF: 1255356.3/11



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: 1488.506+/-1029.388 χ^2/NDF: 32.9/34

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

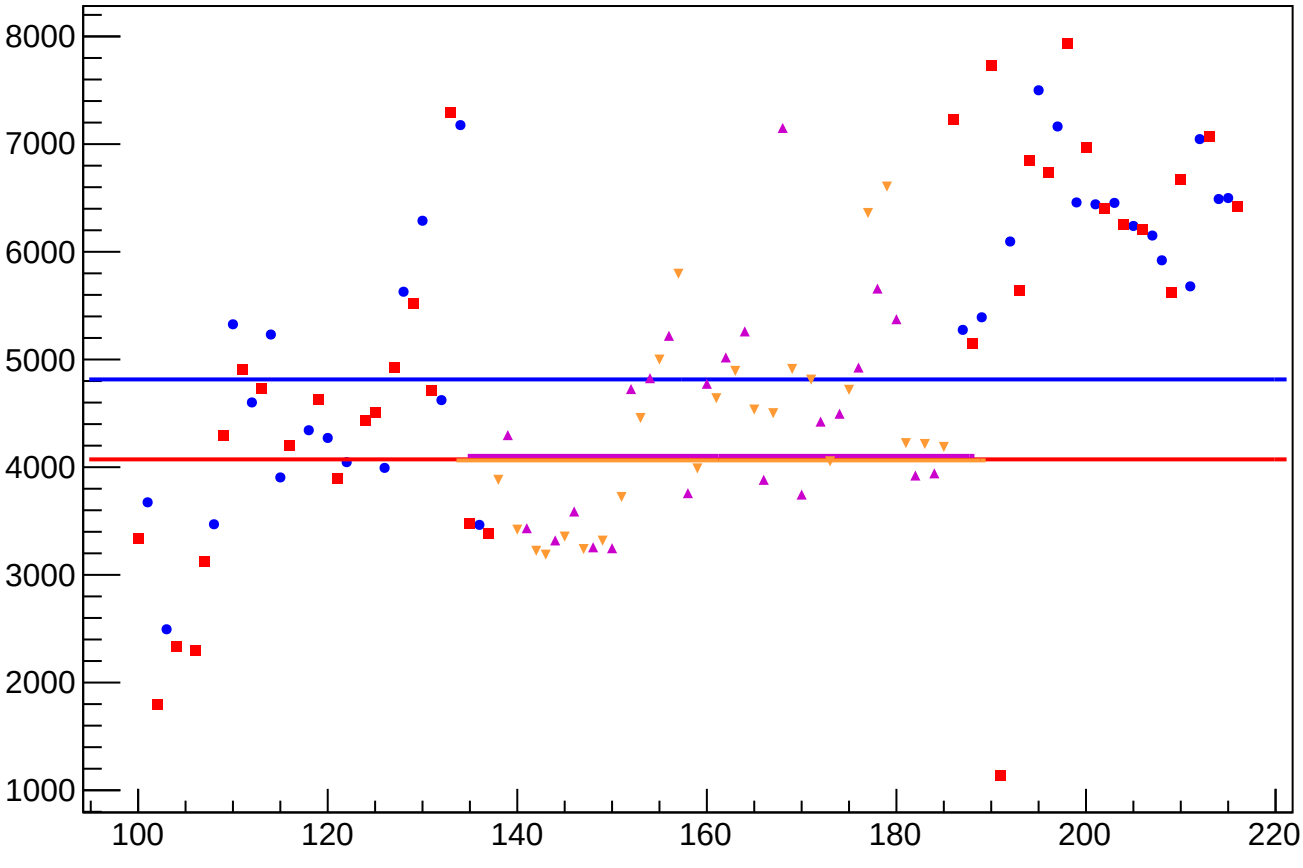
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 612.545+/-767.141 χ^2/NDF: 69.1/65

In: -158.683+/-746.140 χ^2/NDF:50.1/53

Out: 336.772+/-696.886 χ^2/NDF:61.2/59

All: 105.936+/-509.296 χ^2/NDF: 111.5/113



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: 4072.612+/-0.728 χ^2/NDF: 7104350.9/34

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

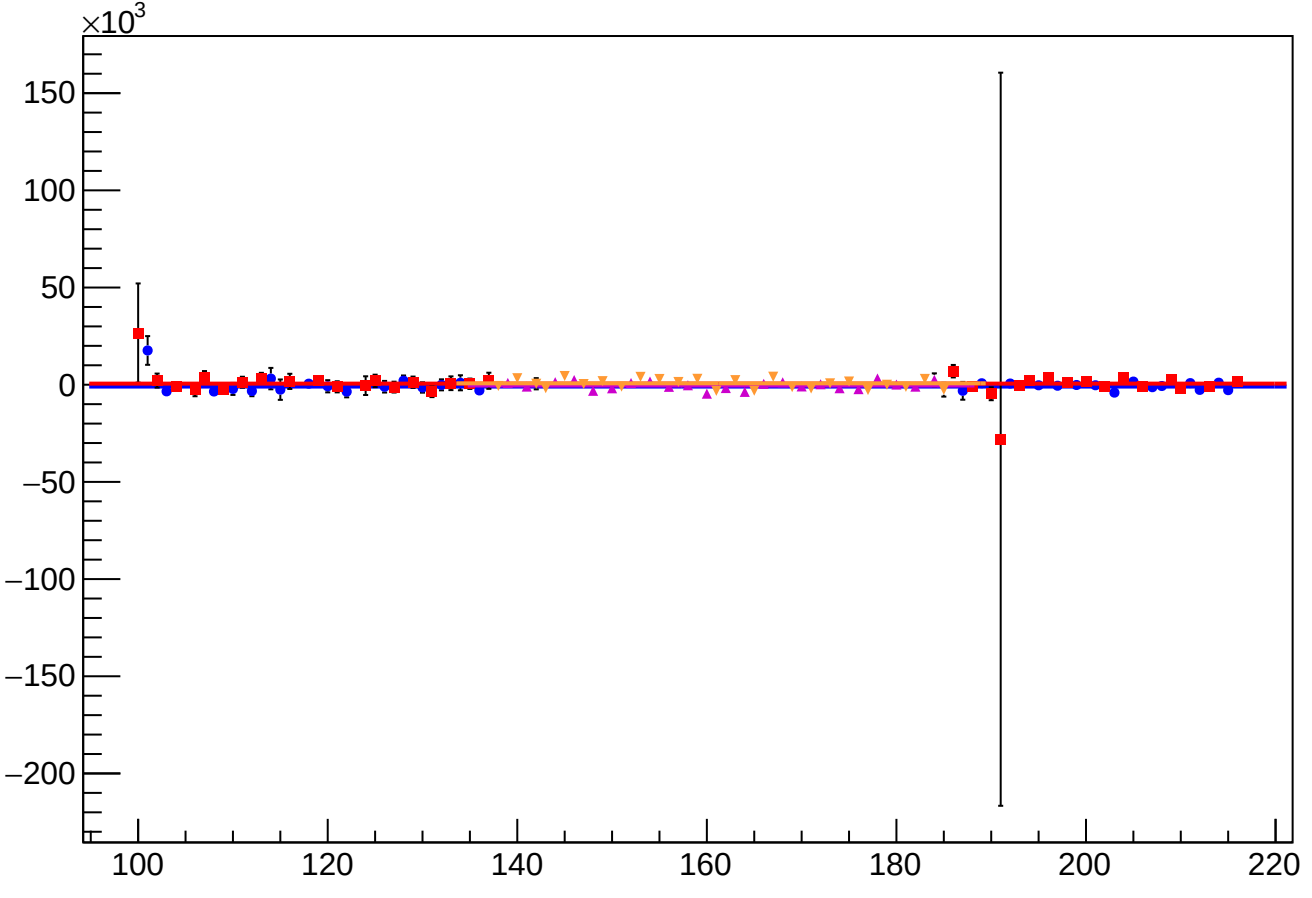
Right: 4402.688+/-0.542 χ^2/NDF: 10914229.0/65

In: 4403.662+/-0.528 χ^2/NDF:5148113.2/53

Out: 4067.464+/-0.493 χ^2/NDF:8509479.5/59

All: 4224.101+/-0.360 χ^2/NDF: 13874460.9/1

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: 561.333+/-440.361 χ^2/NDF: 26.7/34

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

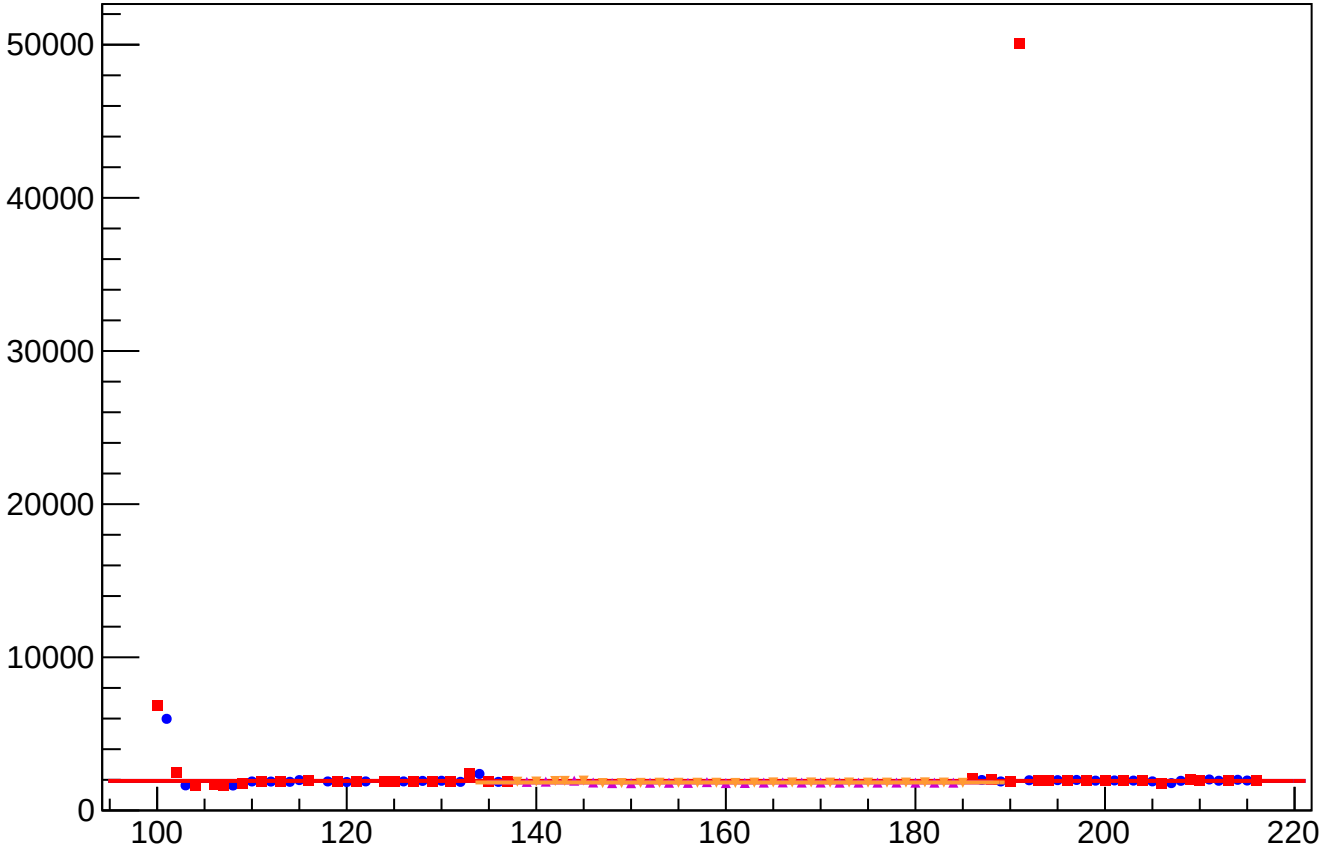
Right: -191.407+/-312.208 χ^2/NDF: 55.0/65

In: -667.162+/-307.044 χ^2/NDF:44.0/53

Out: 637.780+/-302.165 χ^2/NDF:58.7/59

All: -4.241+/-215.367 χ^2/NDF: 111.9/113

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: 1927.748+/-0.311 χ^2/NDF: 399217.5/34

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

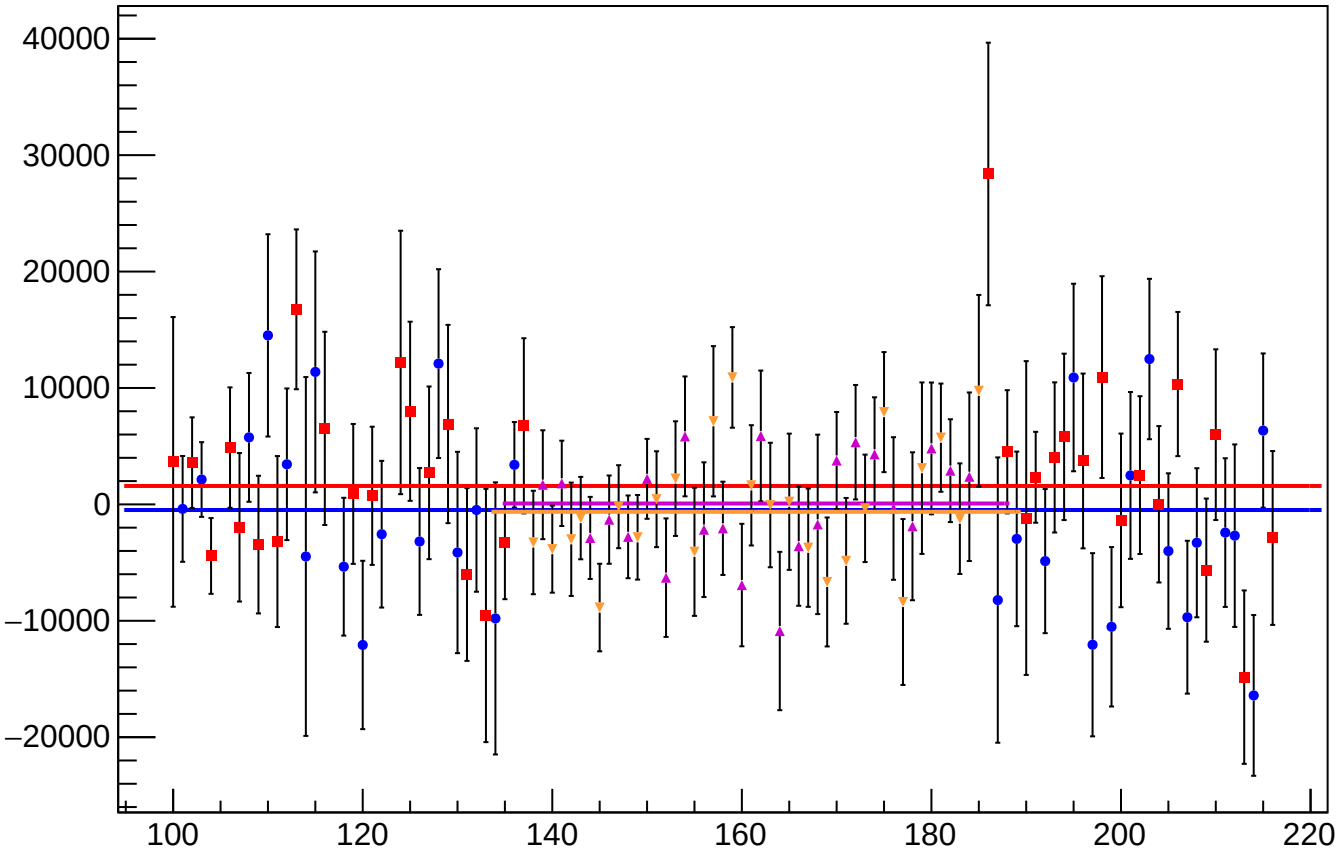
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1927.170+/-0.221 χ^2/NDF: 1123205.6/65

In: 1873.950+/-0.217 χ^2/NDF:791815.5/53

Out: 1875.124+/-0.214 χ^2/NDF:472618.8/59

All: 1874.547+/-0.152 χ^2/NDF: 1264449.1/11



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: 1582.886+/-1072.574 χ^2/NDF: 33.4/34

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

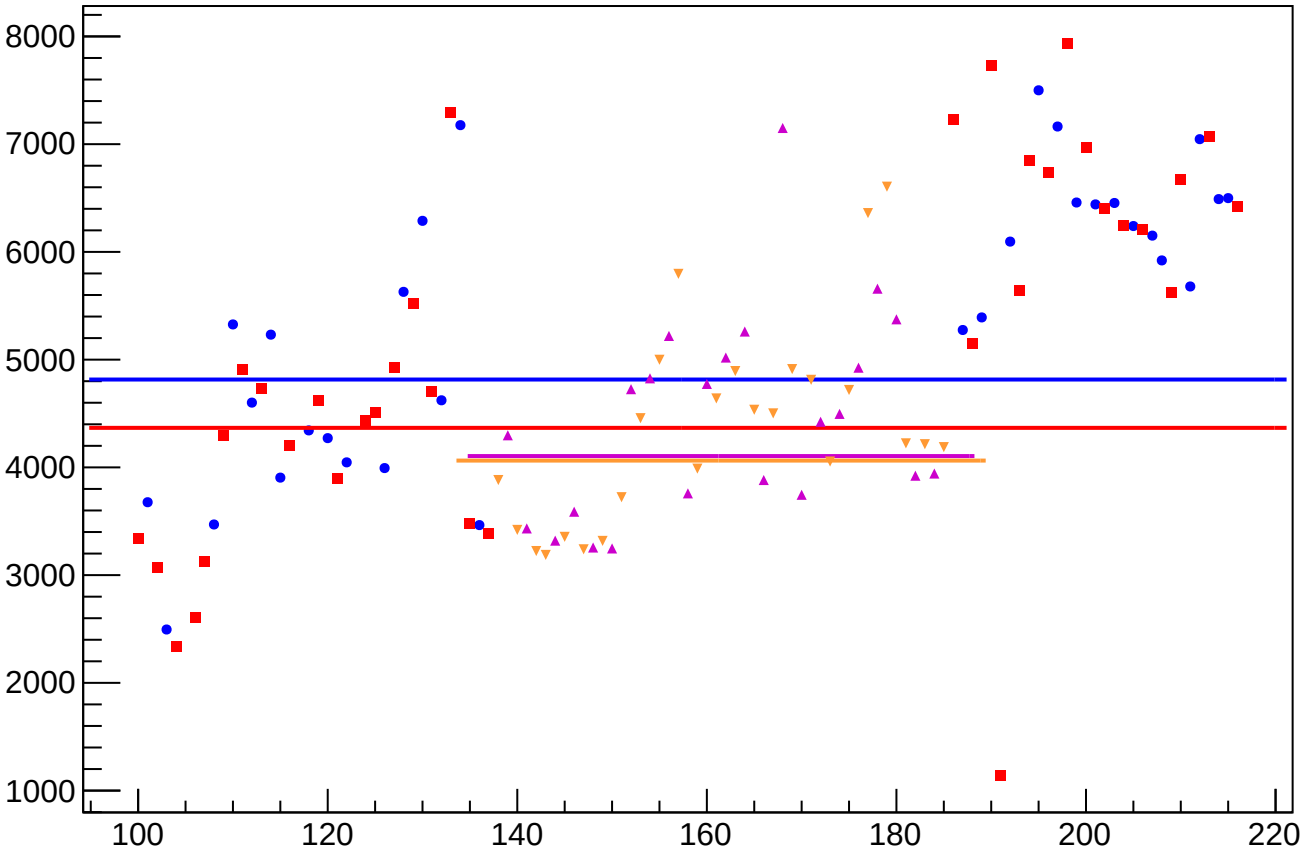
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 622.501+/-784.549 χ^2/NDF: 69.6/65

In: -159.068+/-746.161 χ^2/NDF:50.1/53

Out: 334.886+/-709.839 χ^2/NDF:61.7/59

All: 100.223+/-514.293 χ^2/NDF: 112.1/113



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: 4366.909+/-0.758 χ^2/NDF: 5629719.2/34

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

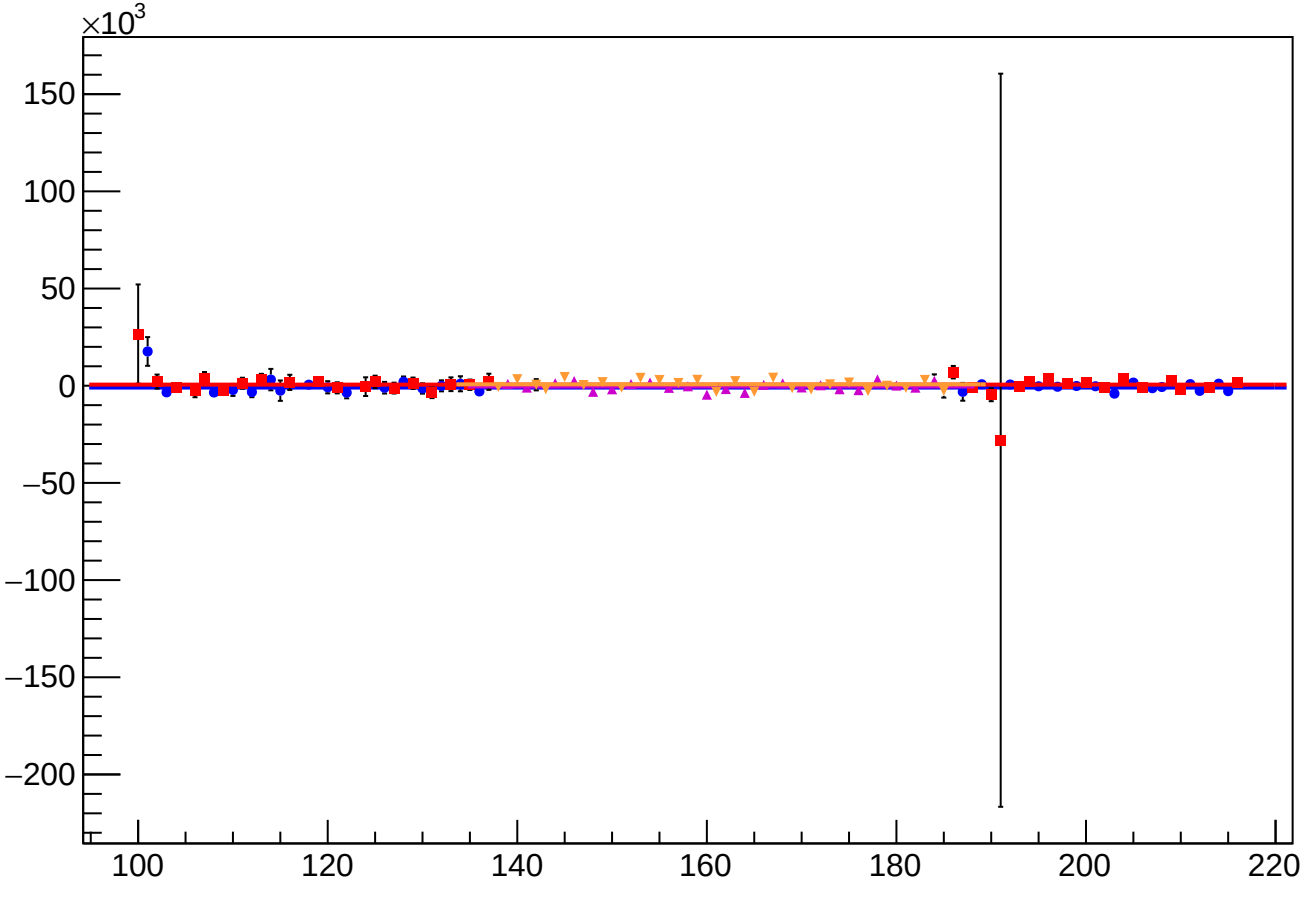
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4575.463+/-0.555 χ^2/NDF: 9138103.6/65

In: 4403.824+/-0.528 χ^2/NDF:5147043.0/53

Out: 4196.169+/-0.502 χ^2/NDF:7124928.5/59

All: 4294.820+/-0.364 χ^2/NDF: 12353283.1/1



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: 561.333+/-440.361 χ^2/NDF: 26.7/34

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

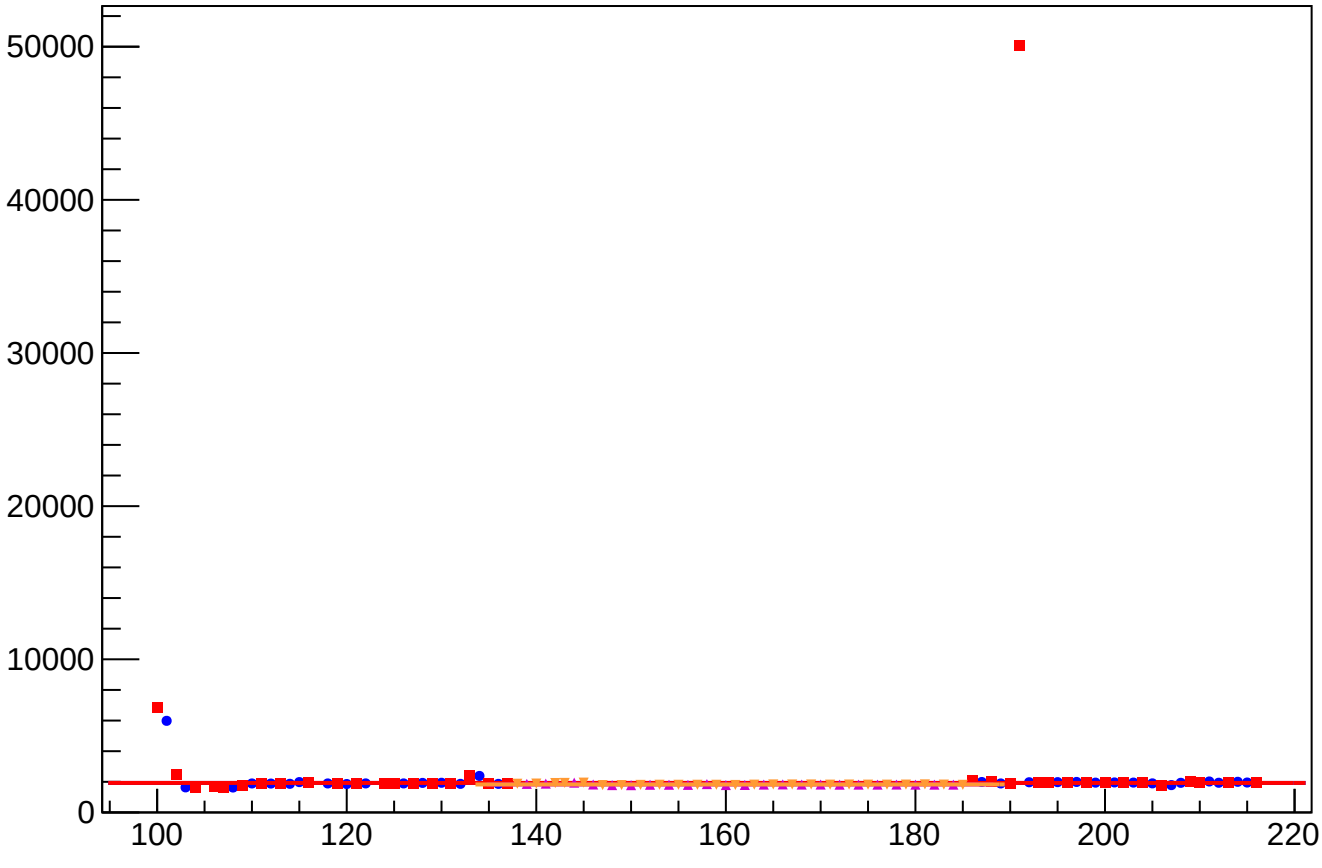
Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

Right: -191.407+/-312.208 χ^2/NDF: 55.0/65

In: -667.162+/-307.044 χ^2/NDF:44.0/53

Out: 637.780+/-302.165 χ^2/NDF:58.7/59

All: -4.241+/-215.367 χ^2/NDF: 111.9/113



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: 1927.748+/-0.311 χ^2/NDF: 399217.5/34

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

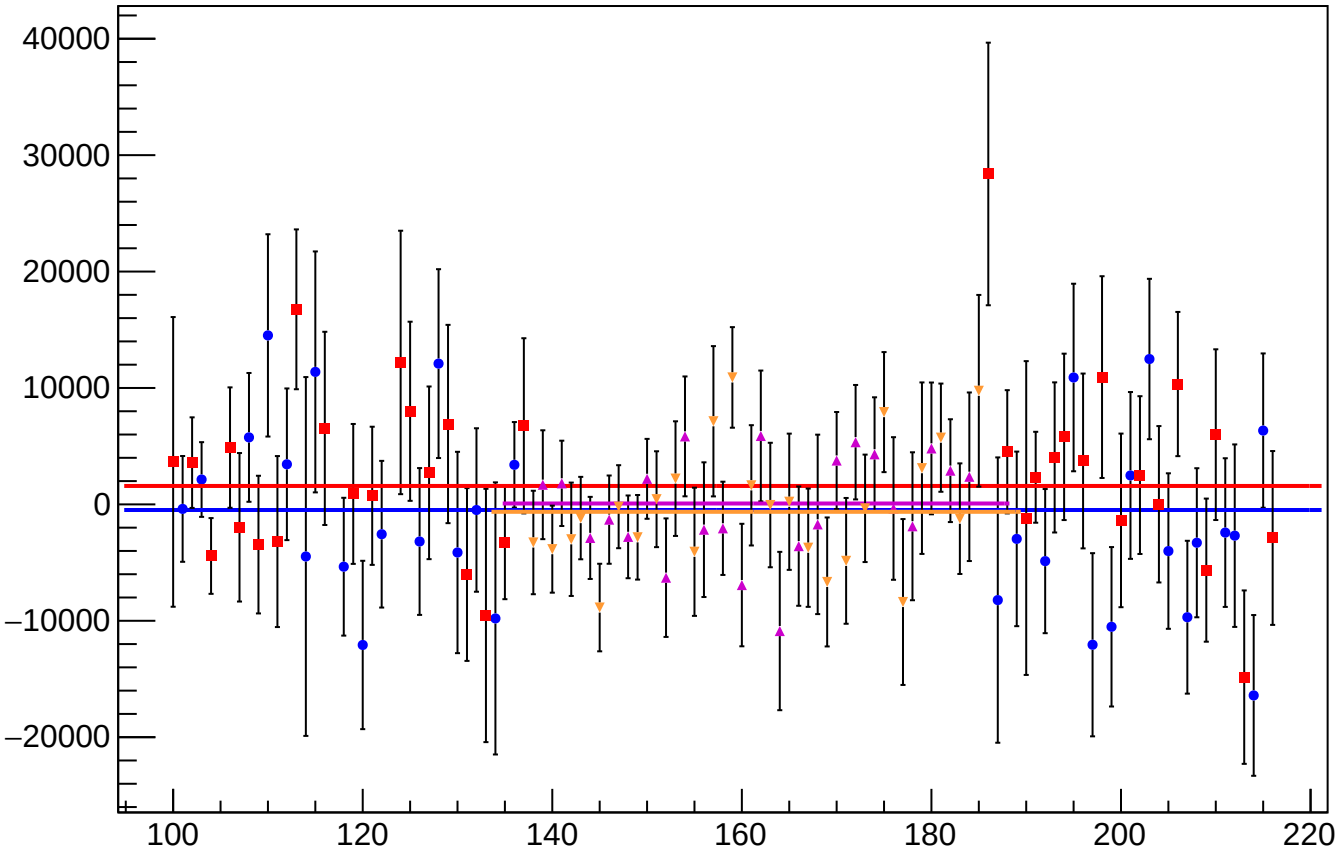
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1927.170+/-0.221 χ^2/NDF: 1123205.6/65

In: 1873.950+/-0.217 χ^2/NDF:791815.5/53

Out: 1875.124+/-0.214 χ^2/NDF:472618.8/59

All: 1874.547+/-0.152 χ^2/NDF: 1264449.1/11



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: 1582.886+/-1072.574 χ^2/NDF: 33.4/34

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

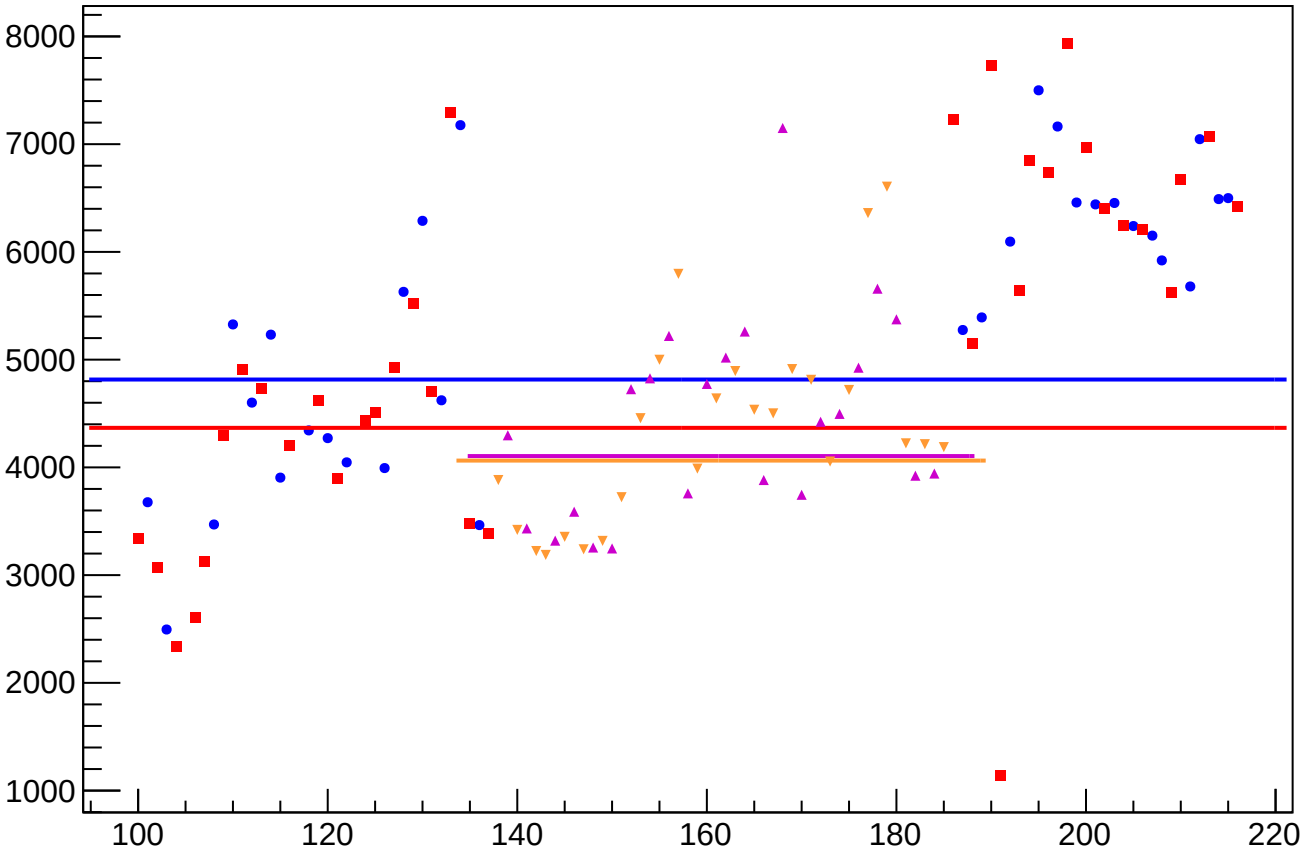
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 622.501+/-784.549 χ^2/NDF: 69.6/65

In: -159.068+/-746.161 χ^2/NDF:50.1/53

Out: 334.886+/-709.839 χ^2/NDF:61.7/59

All: 100.223+/-514.293 χ^2/NDF: 112.1/113



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: 4366.909+/-0.758 χ^2/NDF: 5629719.2/34

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

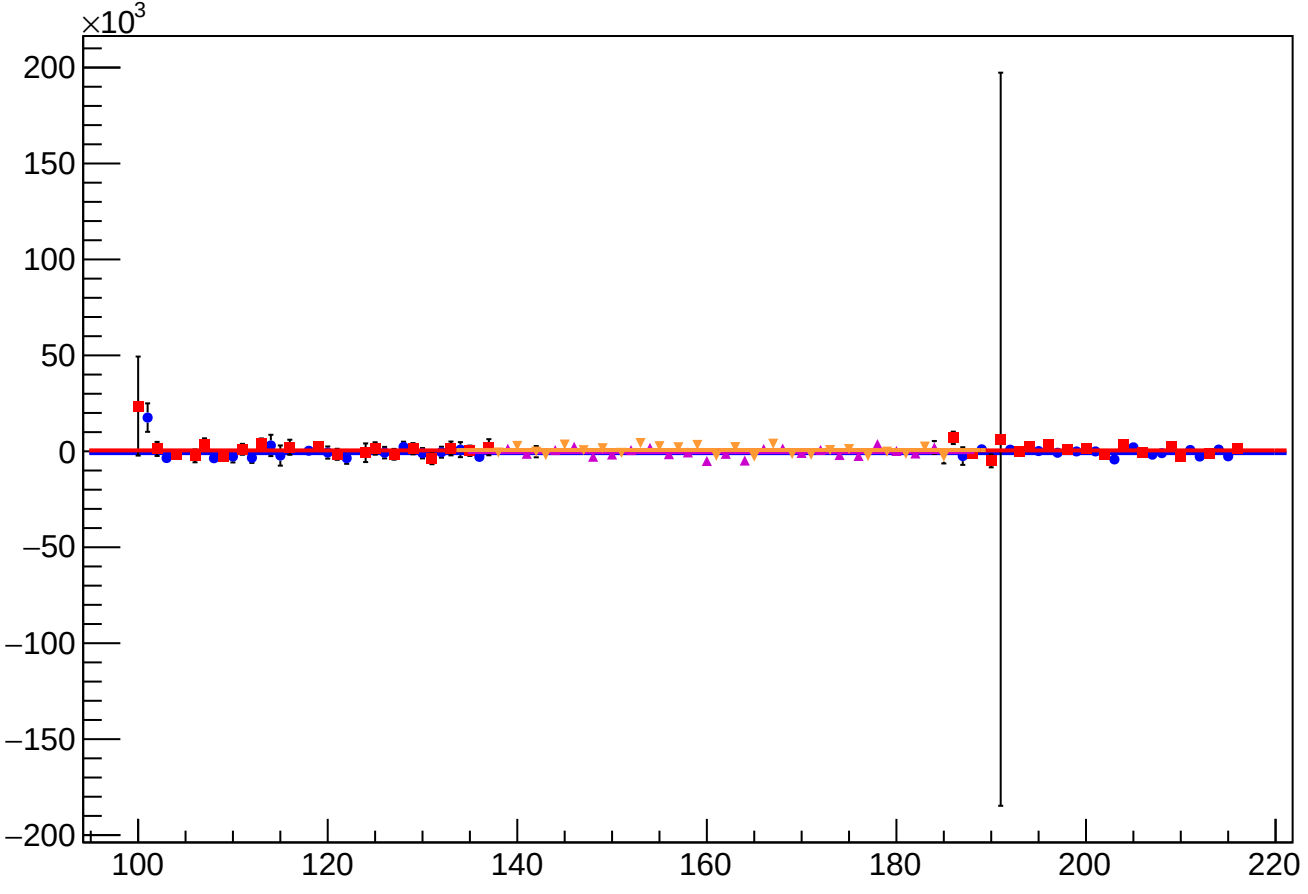
Right: 4575.463+/-0.555 χ^2/NDF: 9138103.6/65

In: 4403.824+/-0.528 χ^2/NDF:5147043.0/53

Out: 4196.169+/-0.502 χ^2/NDF:7124928.5/59

All: 4294.820+/-0.364 χ^2/NDF: 12353283.1/1

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: 477.931+/-444.205 χ^2/NDF: 28.9/34

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

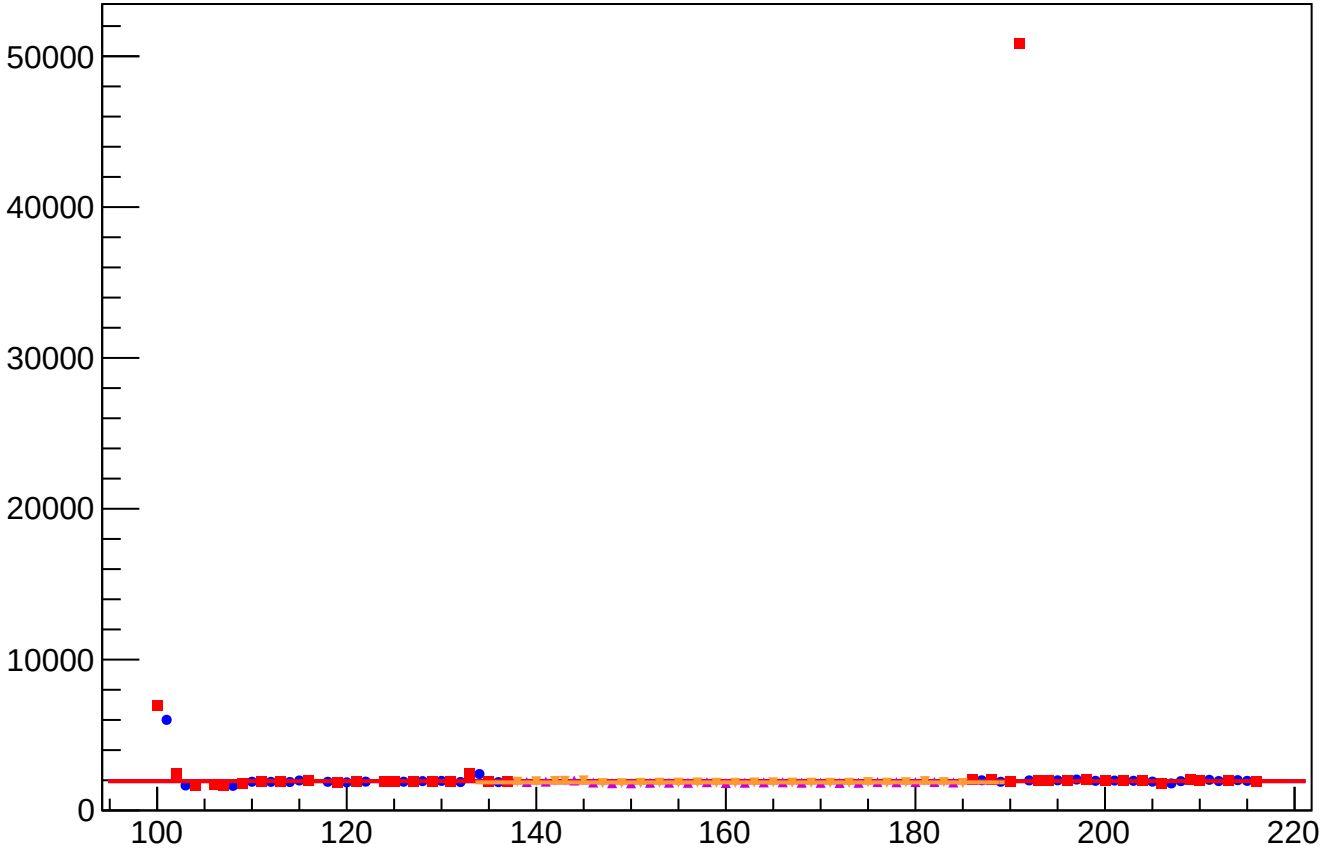
Right: -228.091+/-314.770 χ^2/NDF: 57.5/65

In: -668.151+/-311.023 χ^2/NDF:47.9/53

Out: 572.152+/-306.352 χ^2/NDF:56.0/59

All: -38.617+/-218.256 χ^2/NDF: 112.0/113

dit_asym_atr_dd_rms vs Slug, Sign Corrected



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: 1944.091+/-0.314 χ^2/NDF: 407663.0/34

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

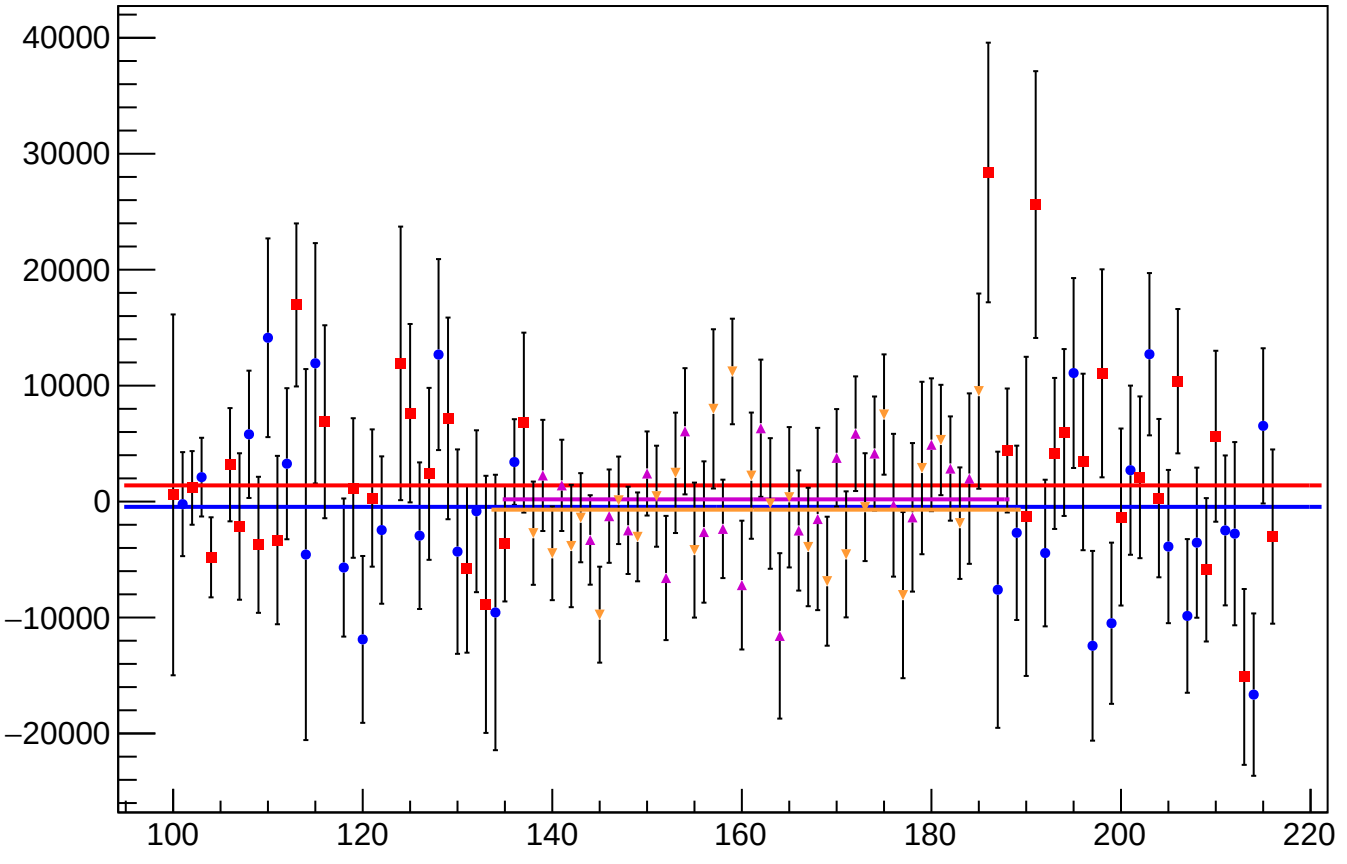
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1942.676+/-0.223 χ^2/NDF: 1134143.5/65

In: 1898.291+/-0.220 χ^2/NDF:778906.2/53

Out: 1900.922+/-0.217 χ^2/NDF:469746.1/59

All: 1899.627+/-0.154 χ^2/NDF: 1248725.0/11



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: 1395.996+/-1100.868 χ^2/NDF: 36.9/34

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

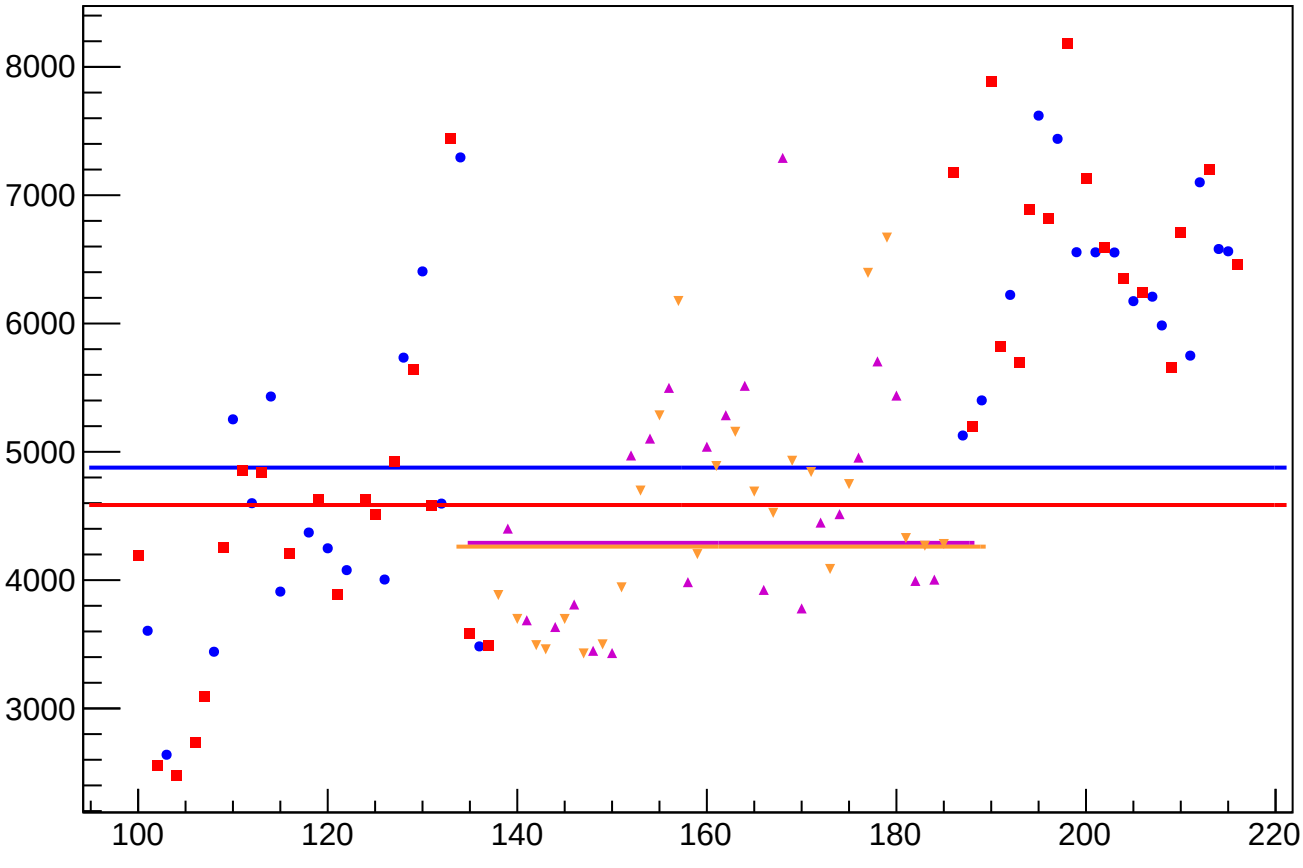
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 522.332+/-799.963 χ^2/NDF: 72.8/65

In: -89.466+/-768.314 χ^2/NDF:49.8/53

Out: 238.154+/-736.135 χ^2/NDF:64.3/59

All: 81.348+/-531.538 χ^2/NDF: 114.2/113



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: 4585.512+/-0.778 χ^2/NDF: 4574236.0/34

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

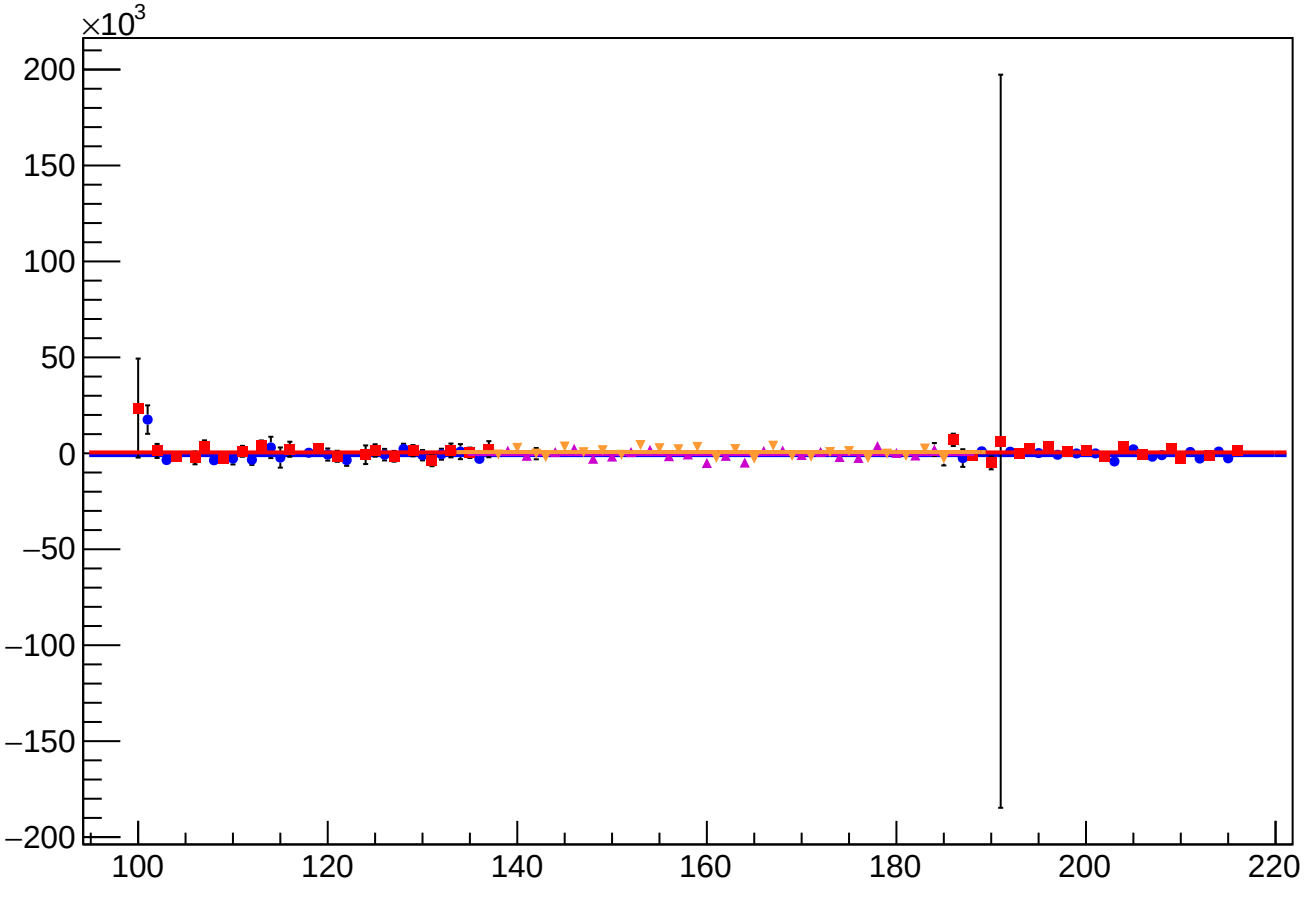
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4723.069+/-0.566 χ^2/NDF: 7901687.6/65

In: 4545.765+/-0.543 χ^2/NDF:4761813.4/53

Out: 4406.171+/-0.521 χ^2/NDF:5860804.4/59

All: 4472.984+/-0.376 χ^2/NDF: 10657040.0/1



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: 477.928+/-444.205 χ^2/NDF: 28.9/34

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

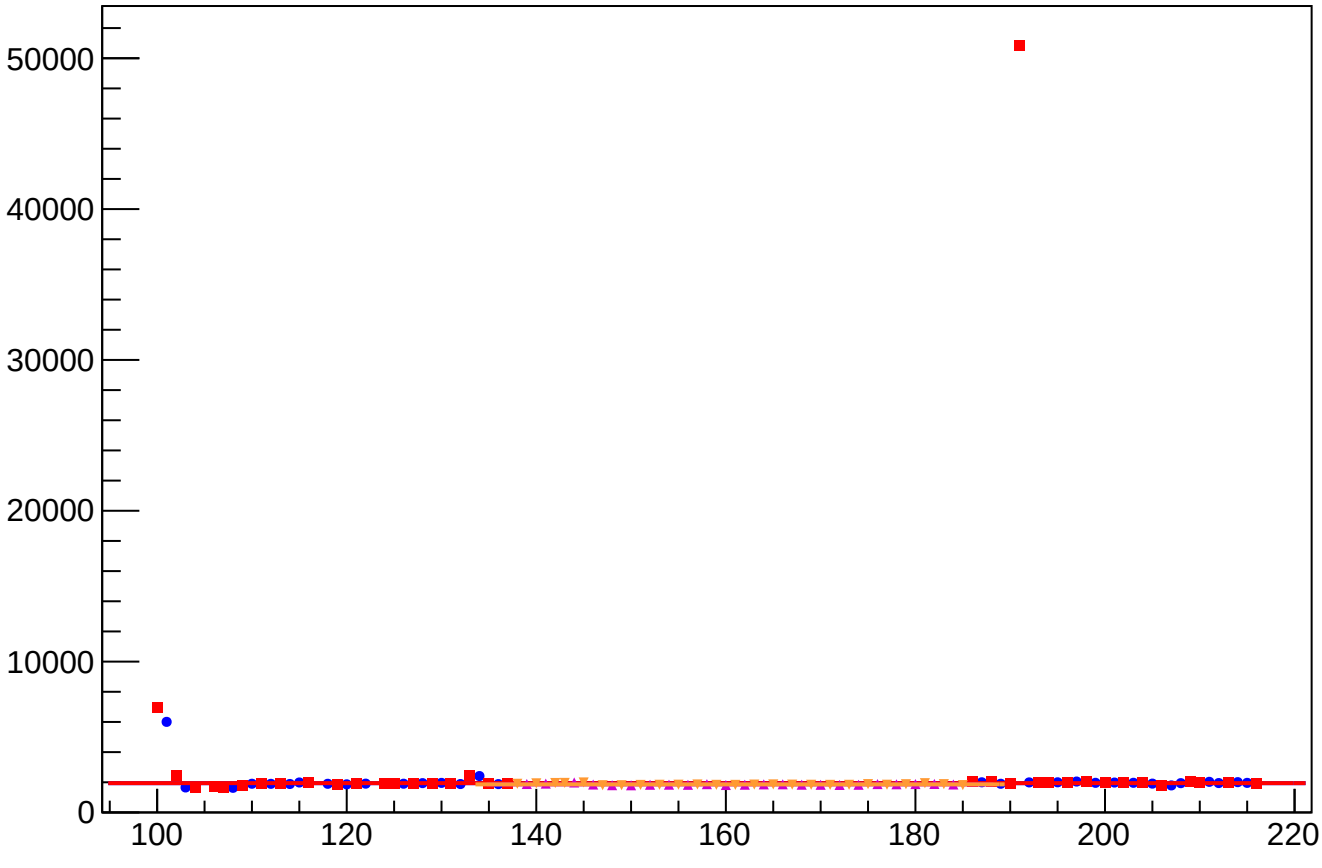
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -228.091+/-314.770 χ^2/NDF: 57.5/65

In: -668.149+/-311.023 χ^2/NDF:47.9/53

Out: 572.153+/-306.352 χ^2/NDF:56.0/59

All: -38.616+/-218.256 χ^2/NDF: 112.0/113



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: 1944.092+/-0.314 χ^2/NDF: 407663.1/34

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

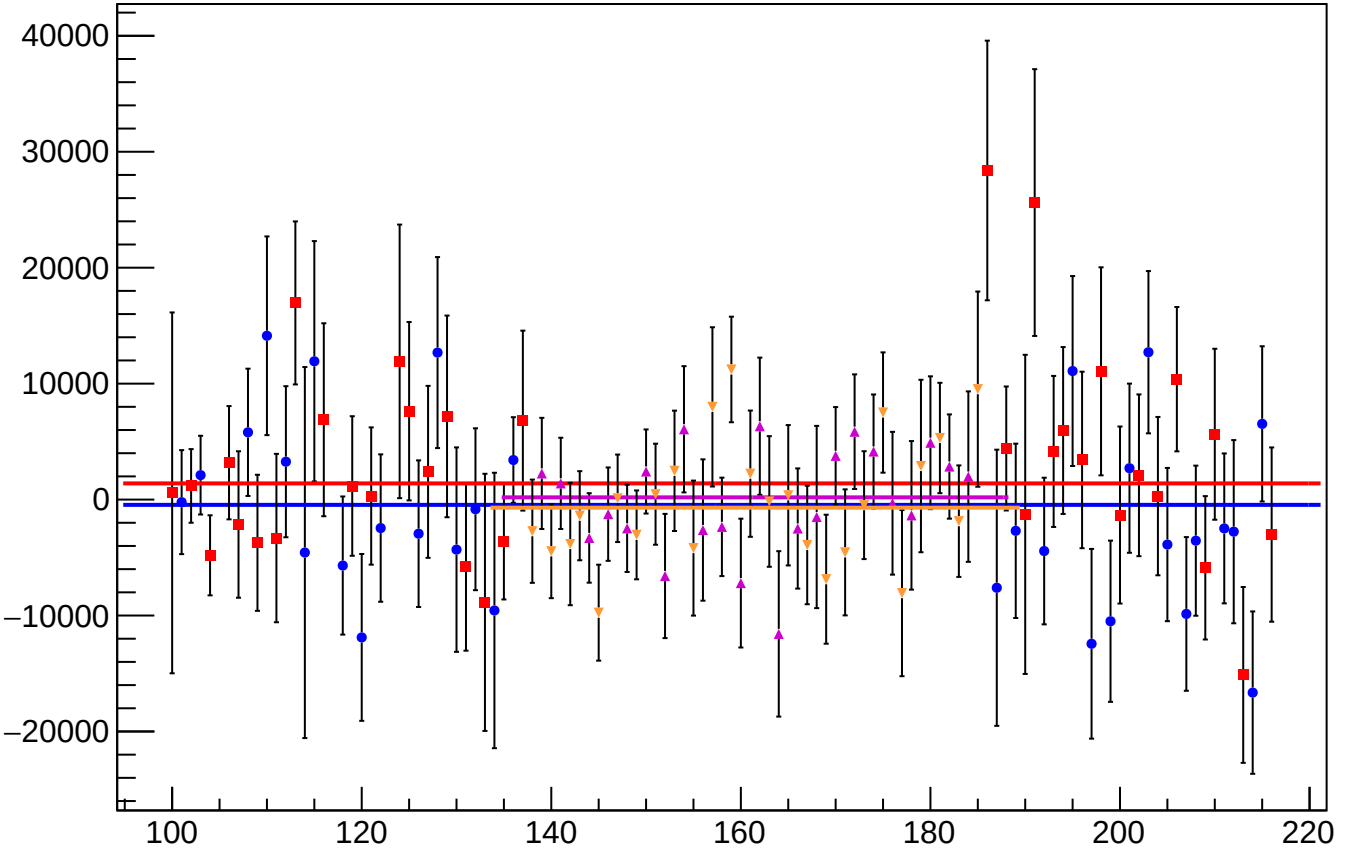
Right: 1942.677+/-0.223 χ^2/NDF: 1134143.6/65

In: 1898.292+/-0.220 χ^2/NDF:778905.4/53

Out: 1900.922+/-0.217 χ^2/NDF:469745.9/59

All: 1899.627+/-0.154 χ^2/NDF: 1248724.0/11

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 1395.994+/-1100.867 χ^2/NDF: 36.9/34

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

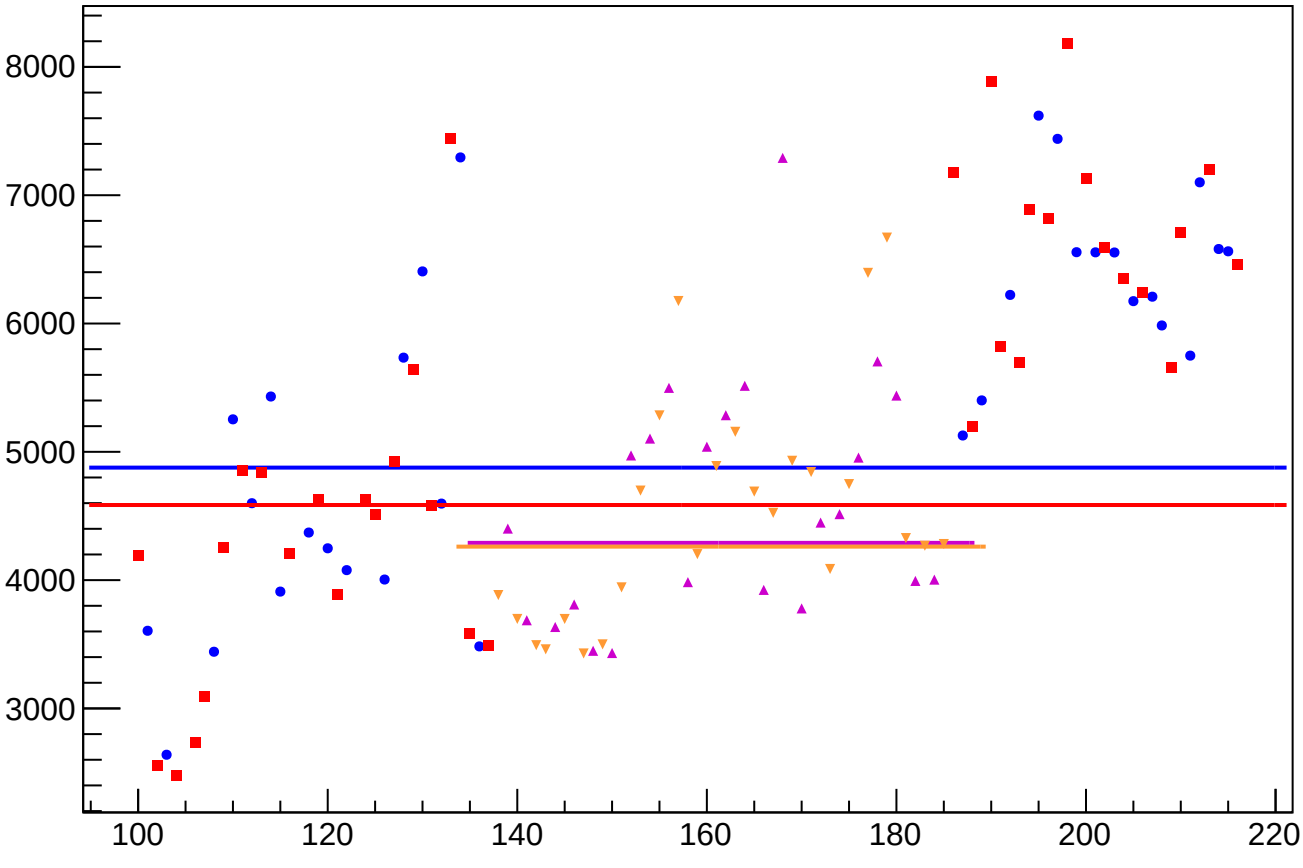
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 522.328+/-799.962 χ^2/NDF: 72.8/65

In: -89.468+/-768.315 χ^2/NDF:49.8/53

Out: 238.156+/-736.136 χ^2/NDF:64.3/59

All: 81.348+/-531.539 χ^2/NDF: 114.2/113



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: 4585.510+/-0.778 χ^2/NDF: 4574245.9/34

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

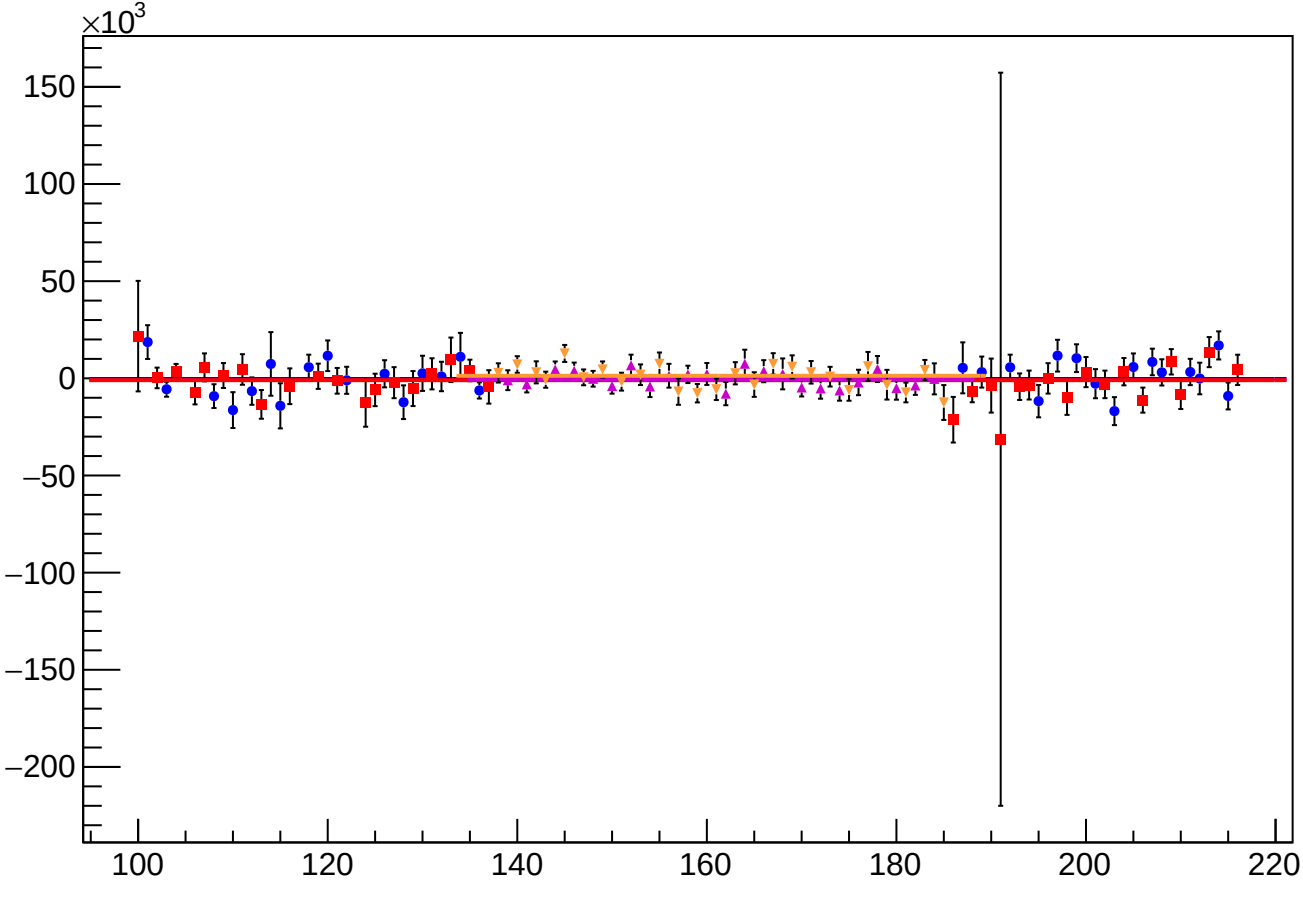
Right: 4723.067+/-0.566 χ^2/NDF: 7901707.1/65

In: 4545.769+/-0.543 χ^2/NDF:4761820.8/53

Out: 4406.174+/-0.521 χ^2/NDF:5860811.8/59

All: 4472.987+/-0.376 χ^2/NDF: 10657055.0/1

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: -940.779+/-1244.684 χ^2/NDF: 26.5/34

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

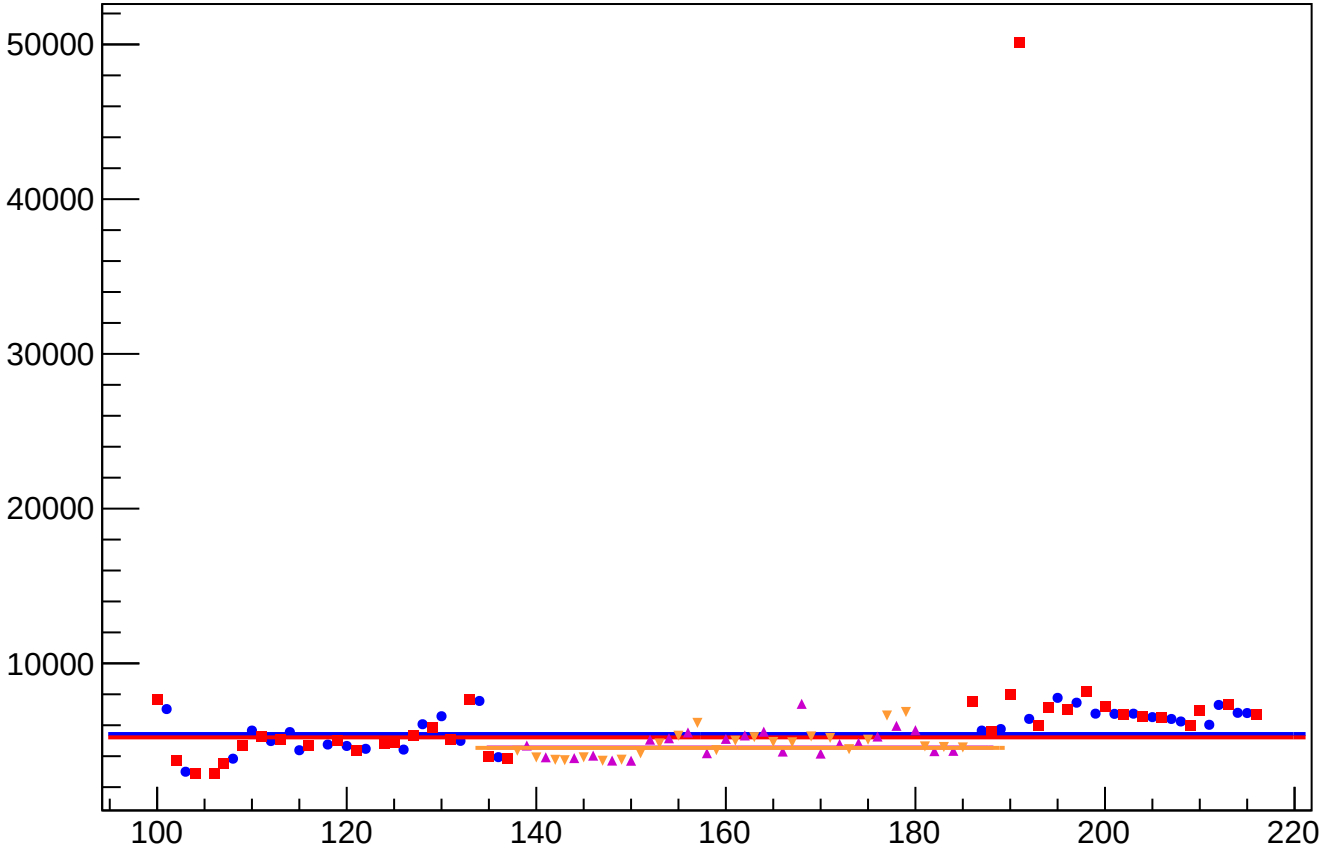
Right: -649.409+/-892.492 χ^2/NDF: 72.1/65

In: -478.372+/-826.497 χ^2/NDF:59.9/53

Out: 367.873+/-802.372 χ^2/NDF:56.9/59

All: -42.718+/-575.702 χ^2/NDF: 117.4/113

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5431.988+/-0.905 χ^2/NDF: 2428400.1/30

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 5215.933+/-0.876 χ^2/NDF: 3137090.2/34

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

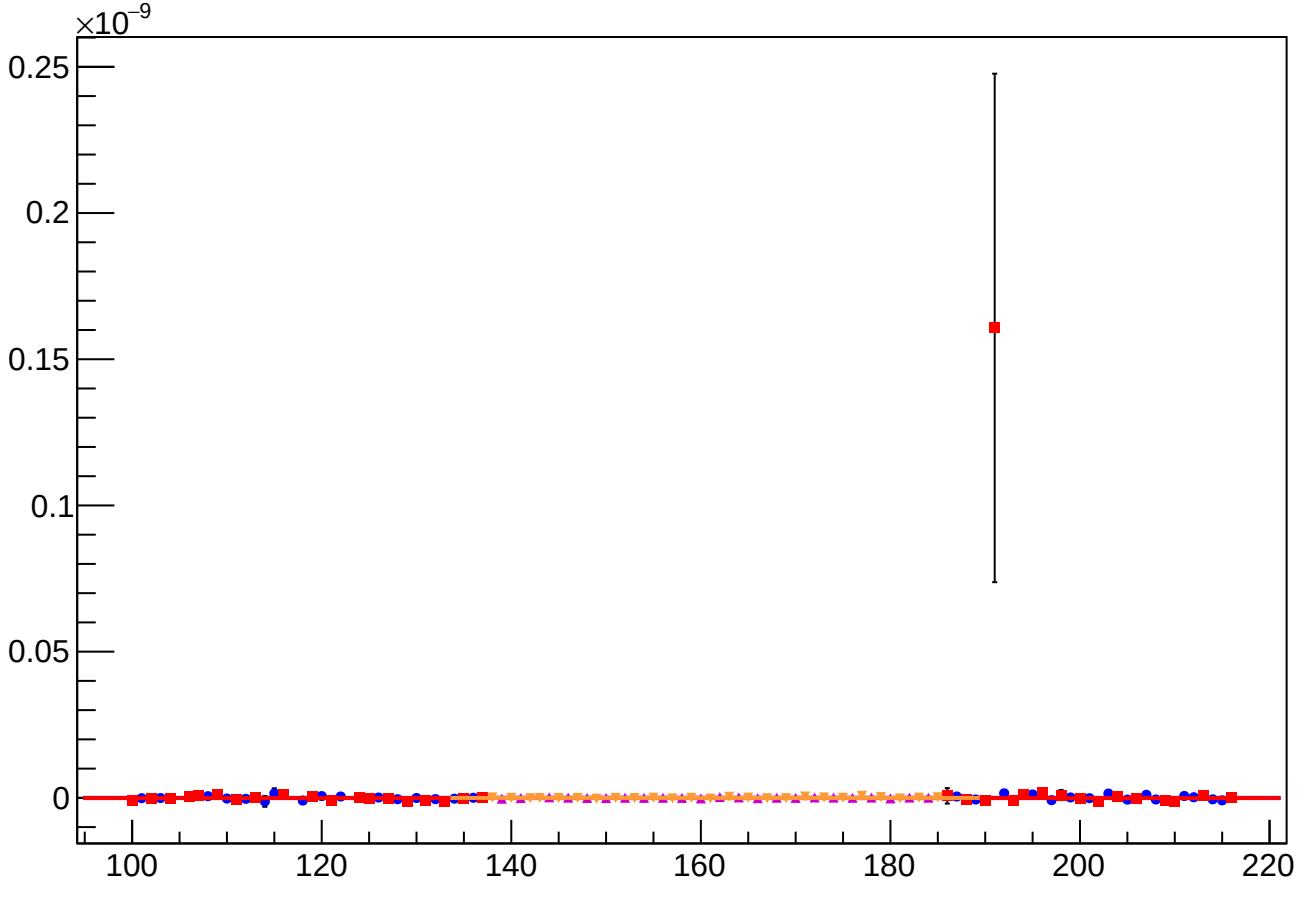
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5320.381+/-0.630 χ^2/NDF: 5594906.1/65

In: 4923.613+/-0.584 χ^2/NDF:3949064.9/53

Out: 4821.277+/-0.566 χ^2/NDF:4478783.3/59

All: 4870.827+/-0.407 χ^2/NDF: 8443664.2/11



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: 43.7/34

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

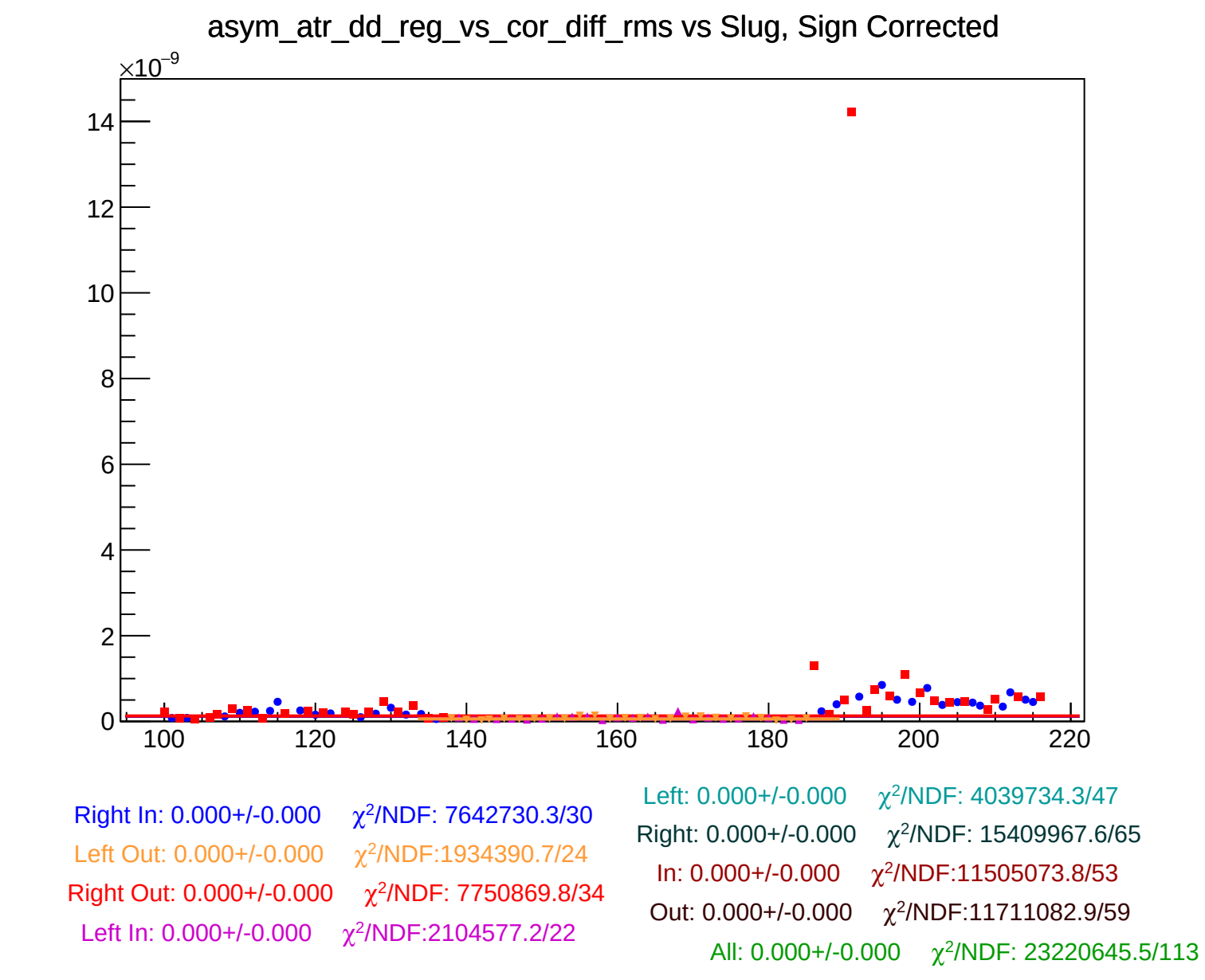
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

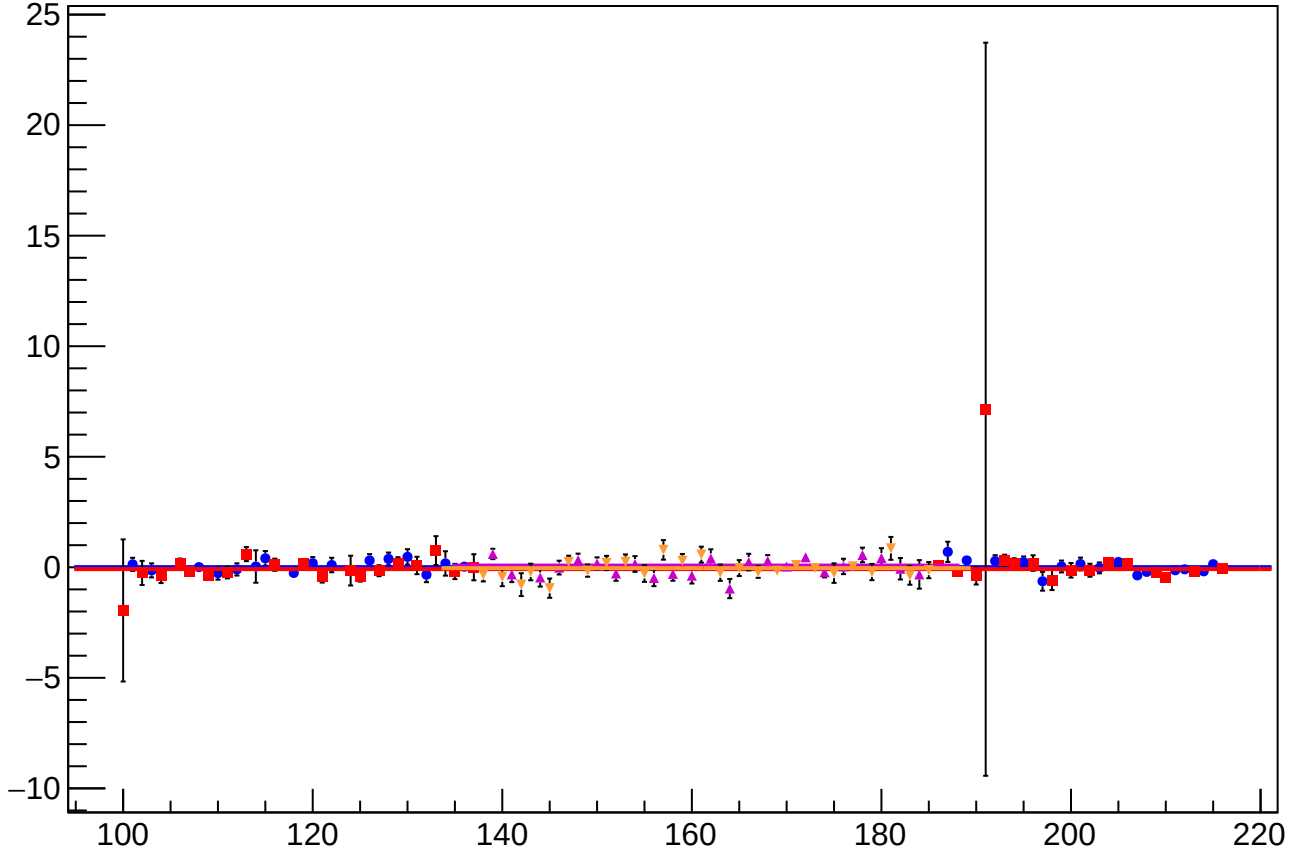
Right: -0.000+/-0.000 χ^2/NDF: 73.0/65

In: 0.000+/-0.000 χ^2/NDF:49.1/53

Out: -0.000+/-0.000 χ^2/NDF:82.4/59

All: -0.000+/-0.000 χ^2/NDF: 133.7/113


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: 7750869.8/34
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: 15409967.6/65
In: 0.000+/-0.000 χ²/NDF:11505073.8/53
Out: 0.000+/-0.000 χ²/NDF:11711082.9/59
All: 0.000+/-0.000 χ²/NDF: 23220645.5/113



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: -0.082+/-0.042 χ^2/NDF: 33.3/34

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

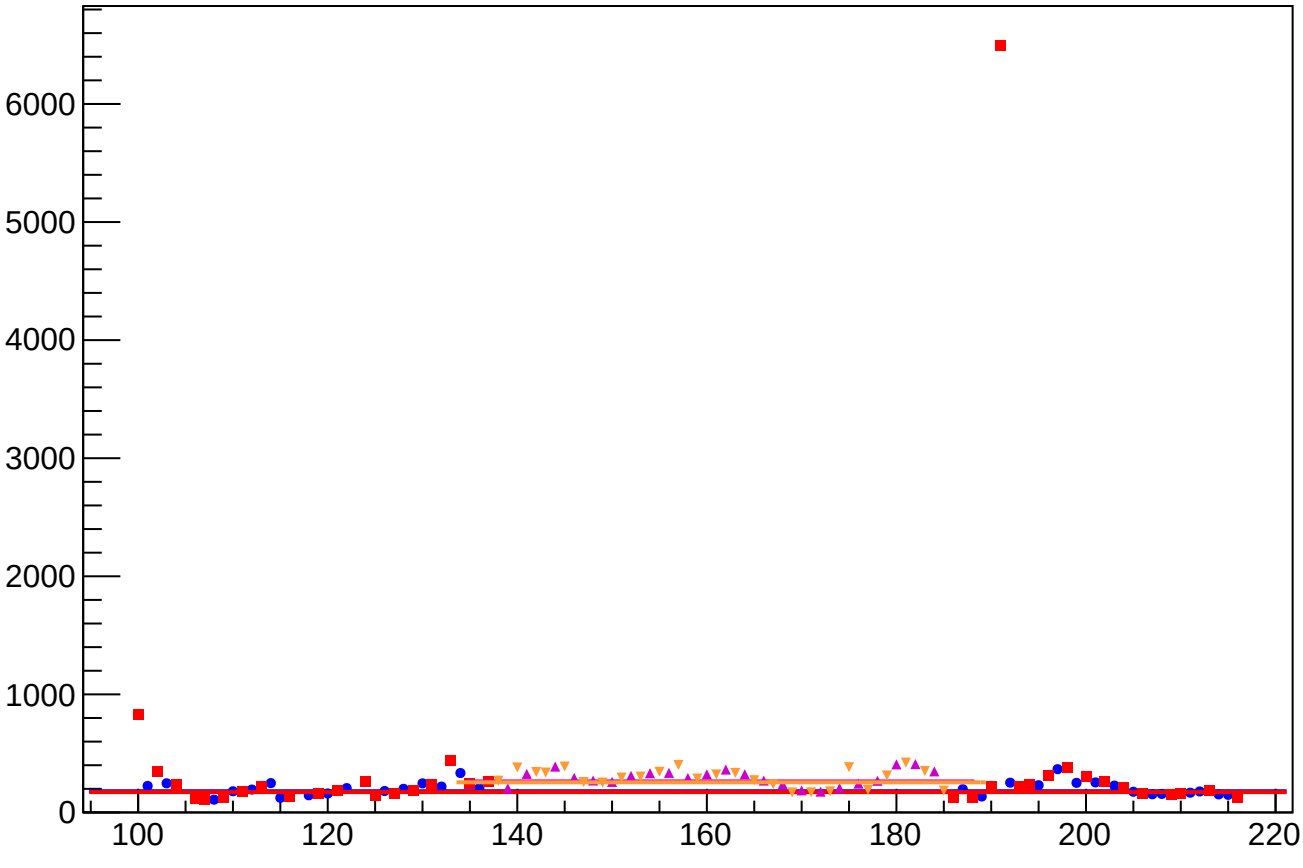
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.038+/-0.030 χ^2/NDF: 66.1/65

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.068+/-0.035 χ^2/NDF:58.1/59

All: -0.021+/-0.025 χ^2/NDF: 124.3/113



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: 172.372+/-0.030 χ^2/NDF: 3785408.8/34

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

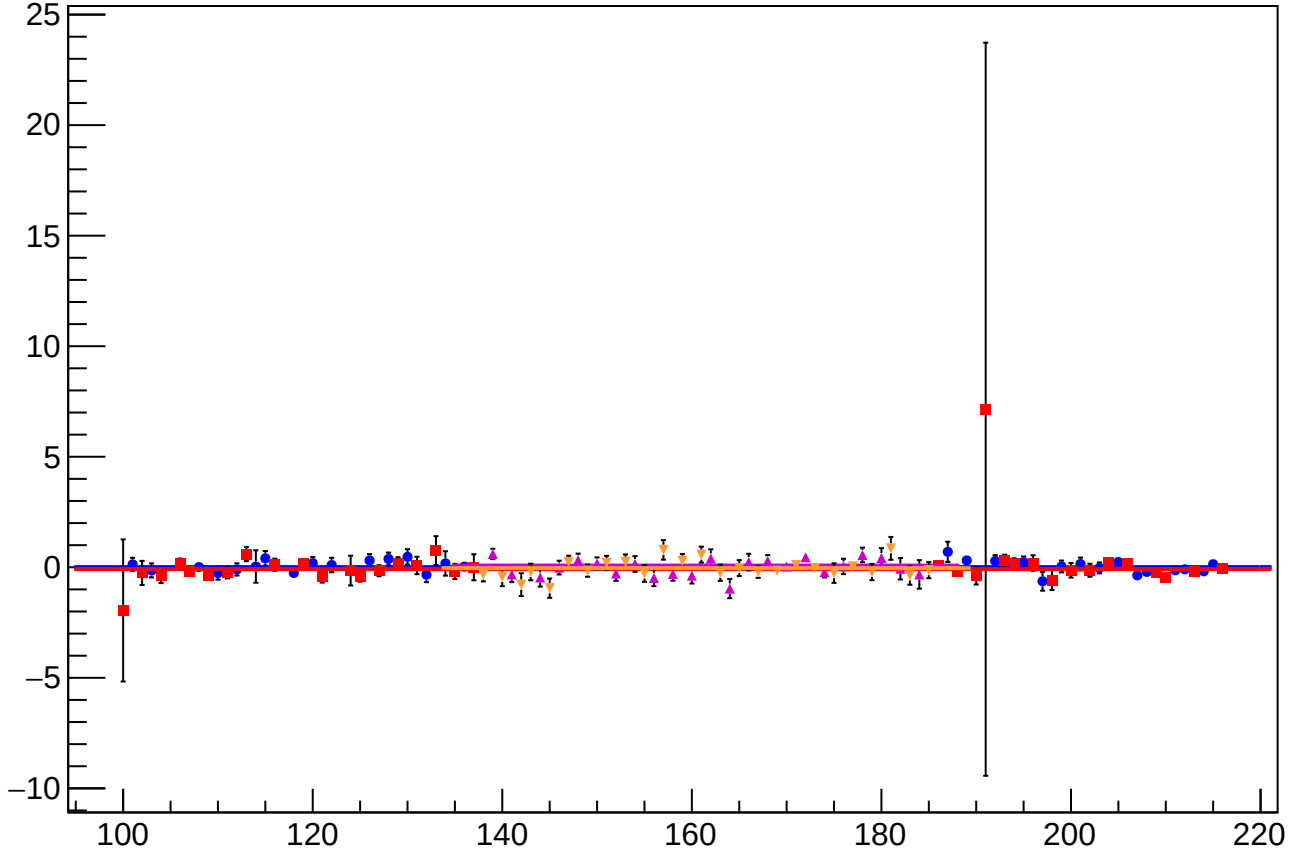
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 175.972+/-0.021 χ^2/NDF: 6027097.6/65

In: 205.253+/-0.025 χ^2/NDF:6507603.6/53

Out: 198.781+/-0.025 χ^2/NDF:9169440.3/59

All: 201.923+/-0.018 χ^2/NDF: 15710360.1/11



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: -0.082+/-0.042 χ^2/NDF: 33.3/34

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

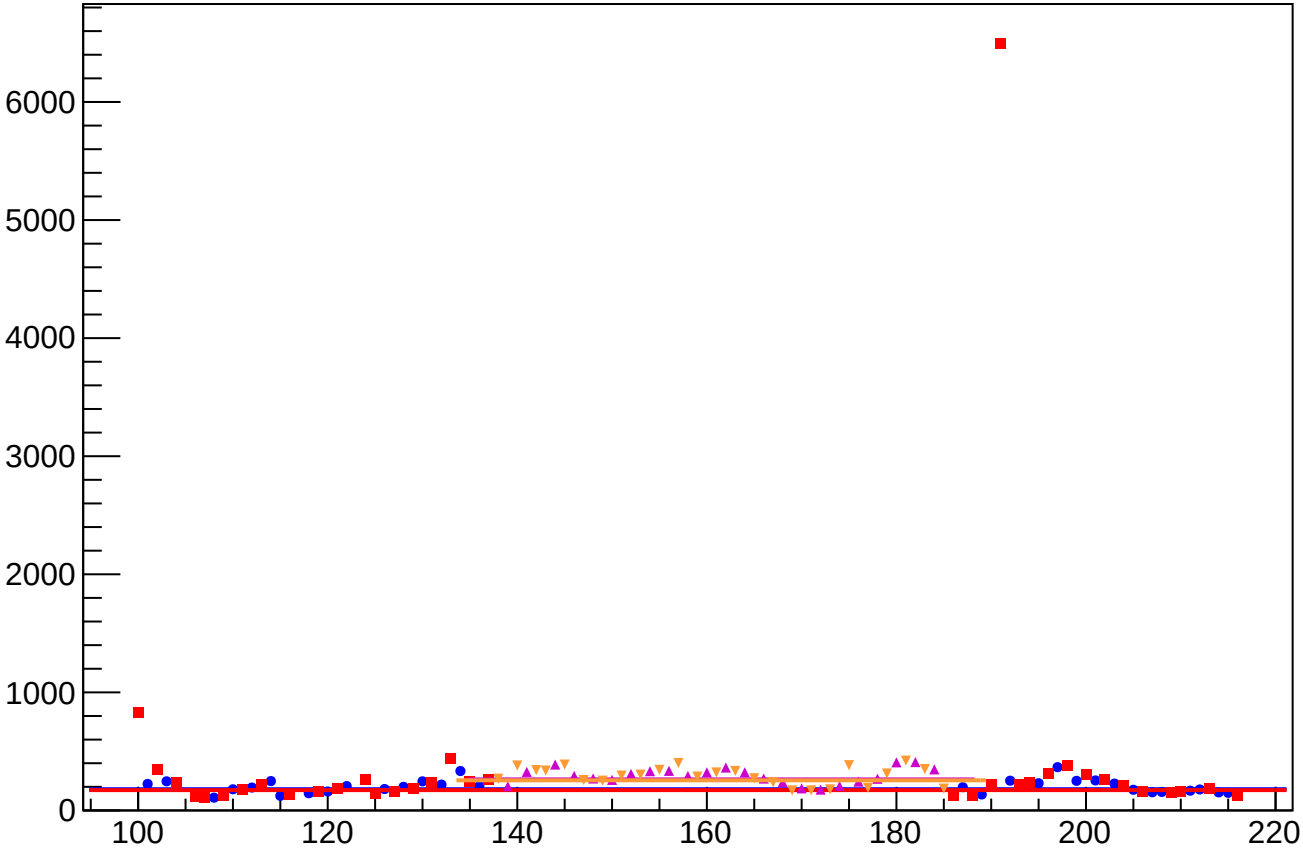
Right: -0.038+/-0.030 χ^2/NDF: 66.1/65

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.068+/-0.035 χ^2/NDF:58.1/59

All: -0.021+/-0.025 χ^2/NDF: 124.3/113

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 172.372+/-0.030 χ^2/NDF: 3785408.8/34

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

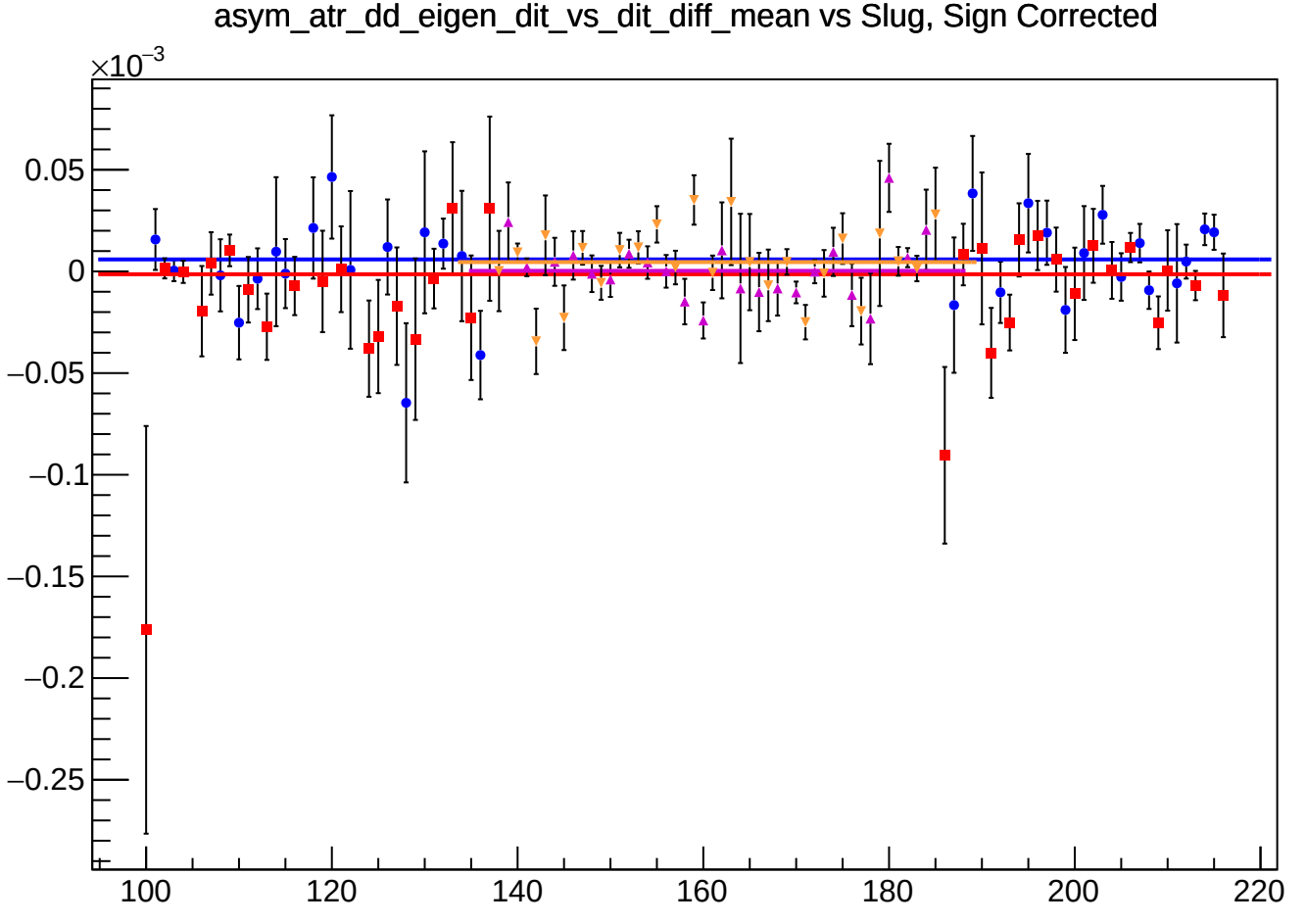
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 175.972+/-0.021 χ^2/NDF: 6027097.6/65

In: 205.253+/-0.025 χ^2/NDF:6507603.6/53

Out: 198.781+/-0.025 χ^2/NDF:9169440.3/59

All: 201.923+/-0.018 χ^2/NDF: 15710360.1/11



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: 37.5/34

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

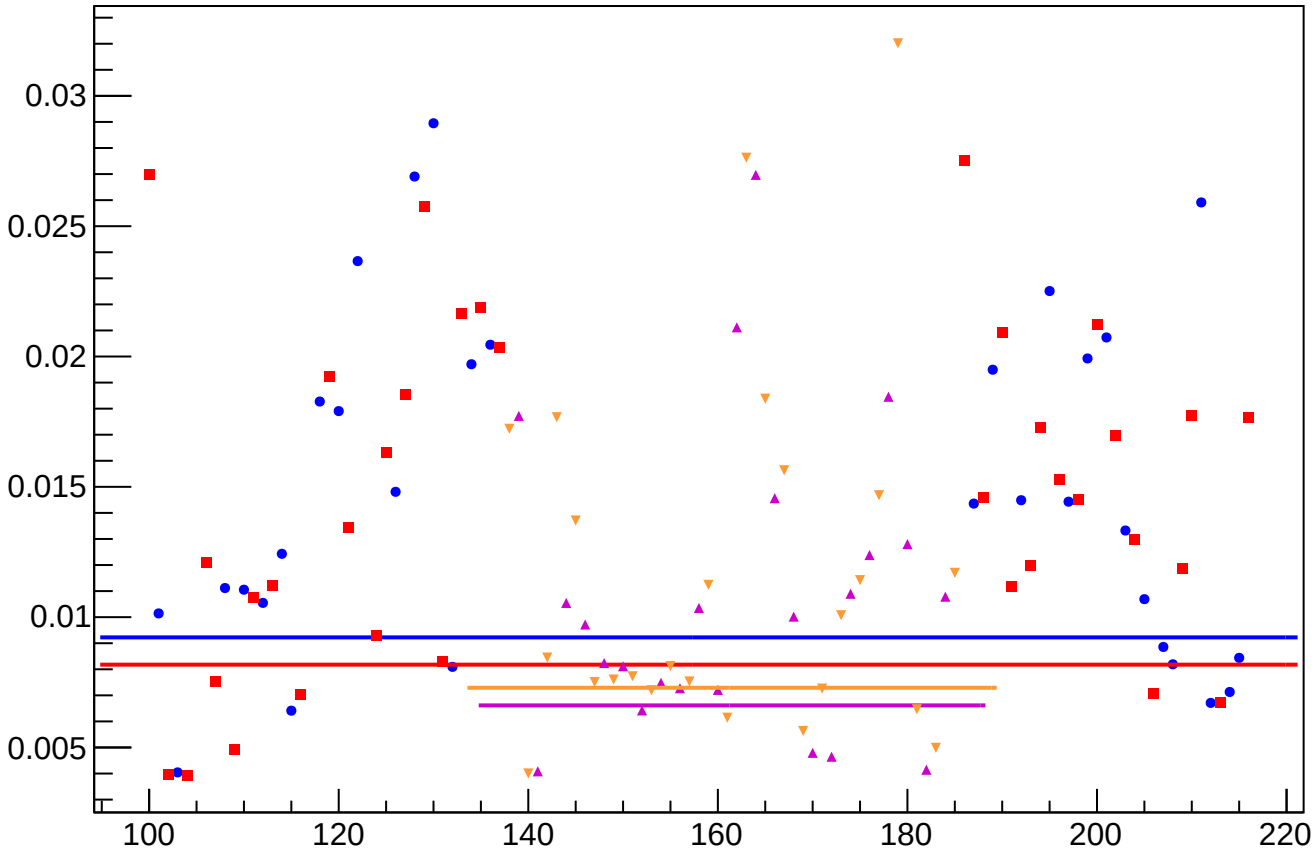
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 77.4/65

In: 0.000+/-0.000 χ^2/NDF:69.6/53

Out: 0.000+/-0.000 χ^2/NDF:85.2/59

All: 0.000+/-0.000 χ^2/NDF: 154.8/113



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: 10446711.8/34

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

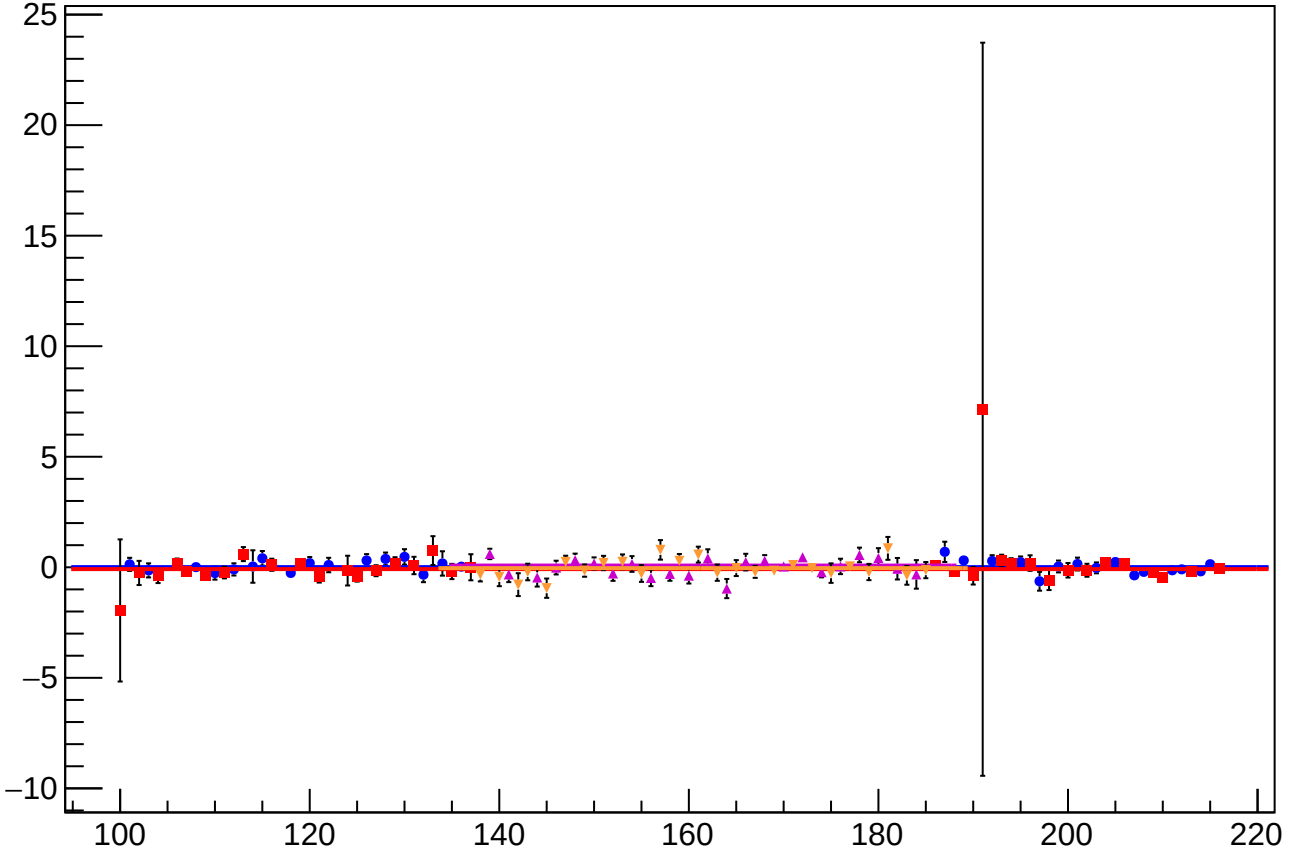
Right: 0.009+/-0.000 χ^2/NDF: 18867277.0/65

In: 0.008+/-0.000 χ^2/NDF:16118927.0/53

Out: 0.008+/-0.000 χ^2/NDF:17407613.4/59

All: 0.008+/-0.000 χ^2/NDF: 33534673.2/113

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.082+/-0.042 χ^2/NDF: 33.3/34

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

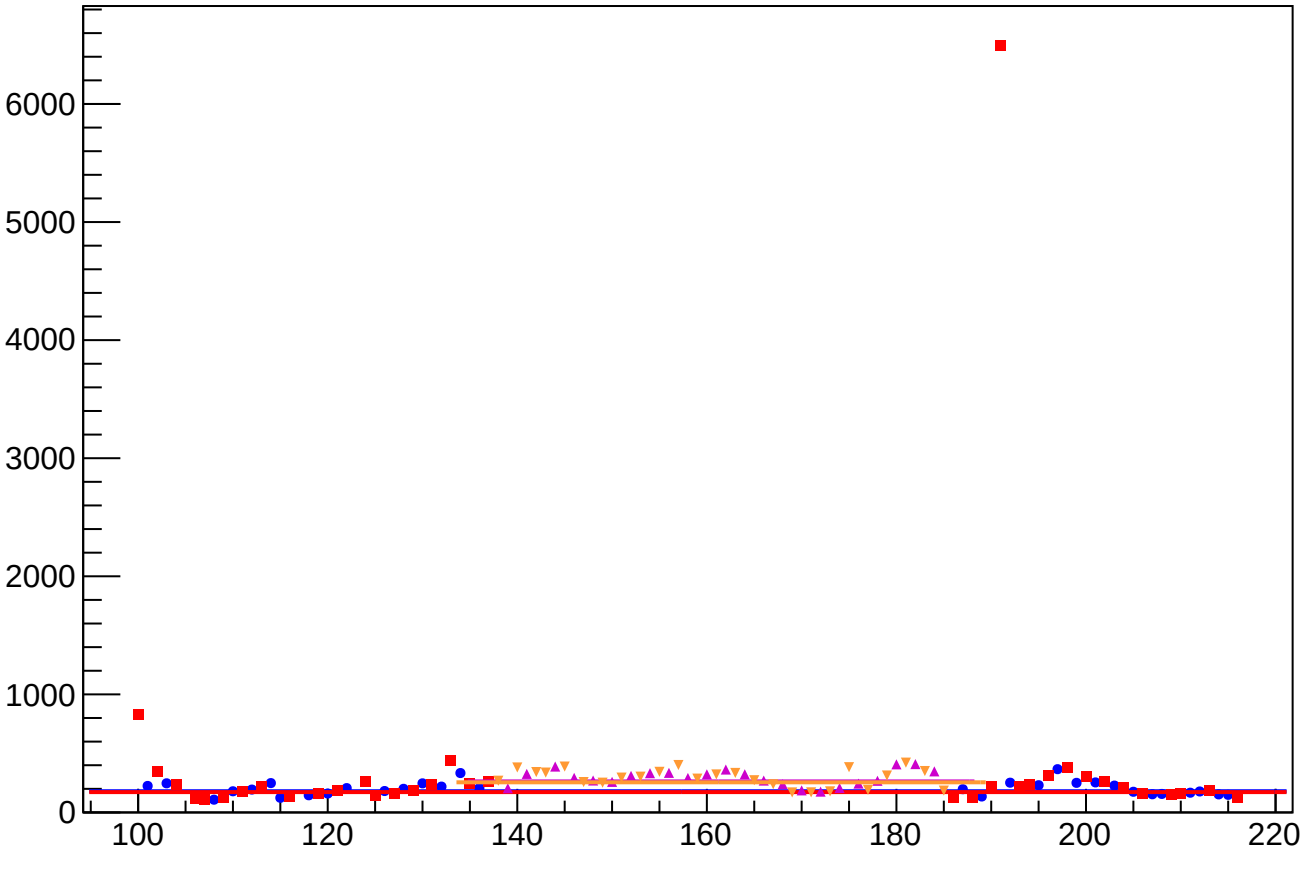
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.038+/-0.030 χ^2/NDF: 66.1/65

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.068+/-0.035 χ^2/NDF:58.1/59

All: -0.021+/-0.025 χ^2/NDF: 124.3/113



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: 172.373+/-0.030 χ^2/NDF: 3785339.0/34

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

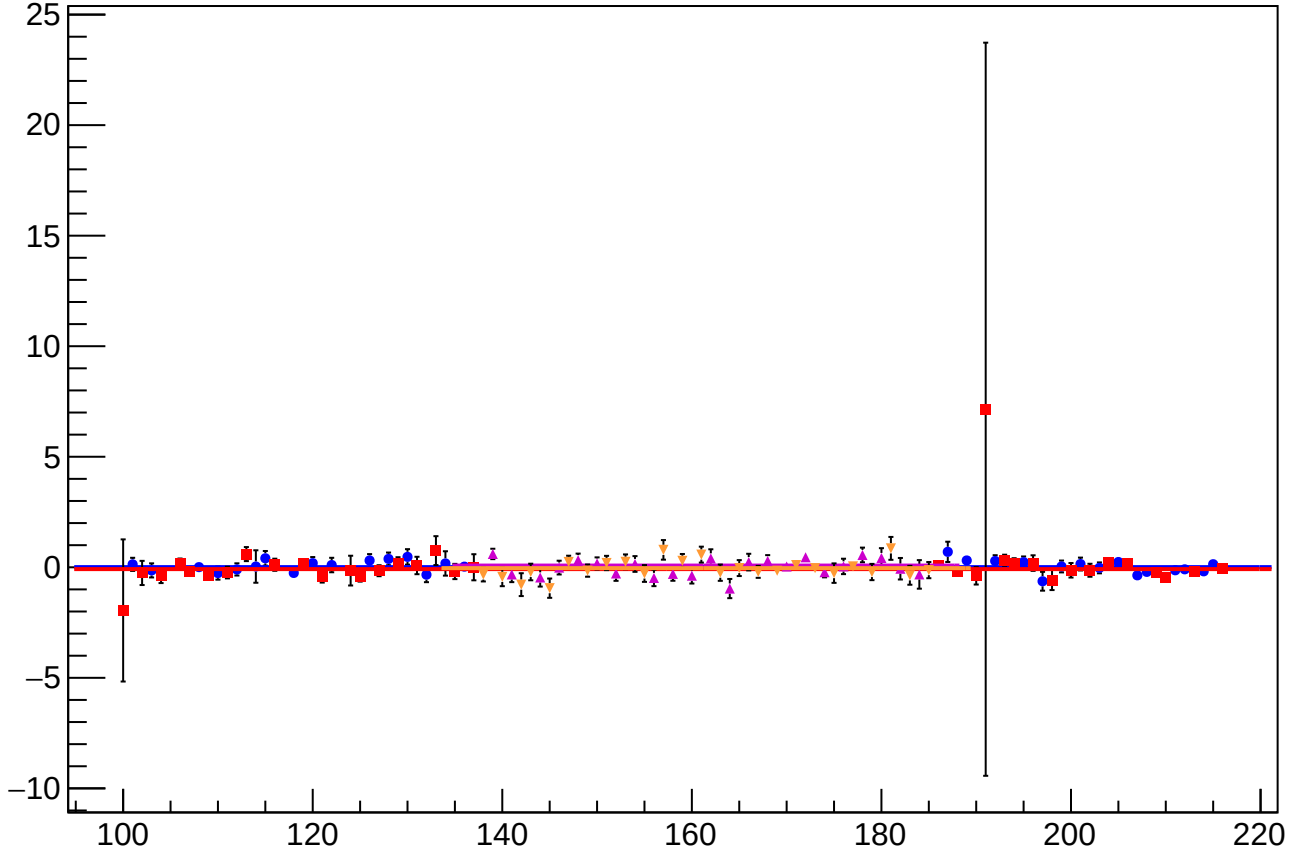
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 175.973+/-0.021 χ^2/NDF: 6027019.2/65

In: 205.254+/-0.025 χ^2/NDF:6507727.7/53

Out: 198.783+/-0.025 χ^2/NDF:9169468.2/59

All: 201.924+/-0.018 χ^2/NDF: 15710503.4/11



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: -0.082+/-0.042 χ^2/NDF: 33.3/34

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

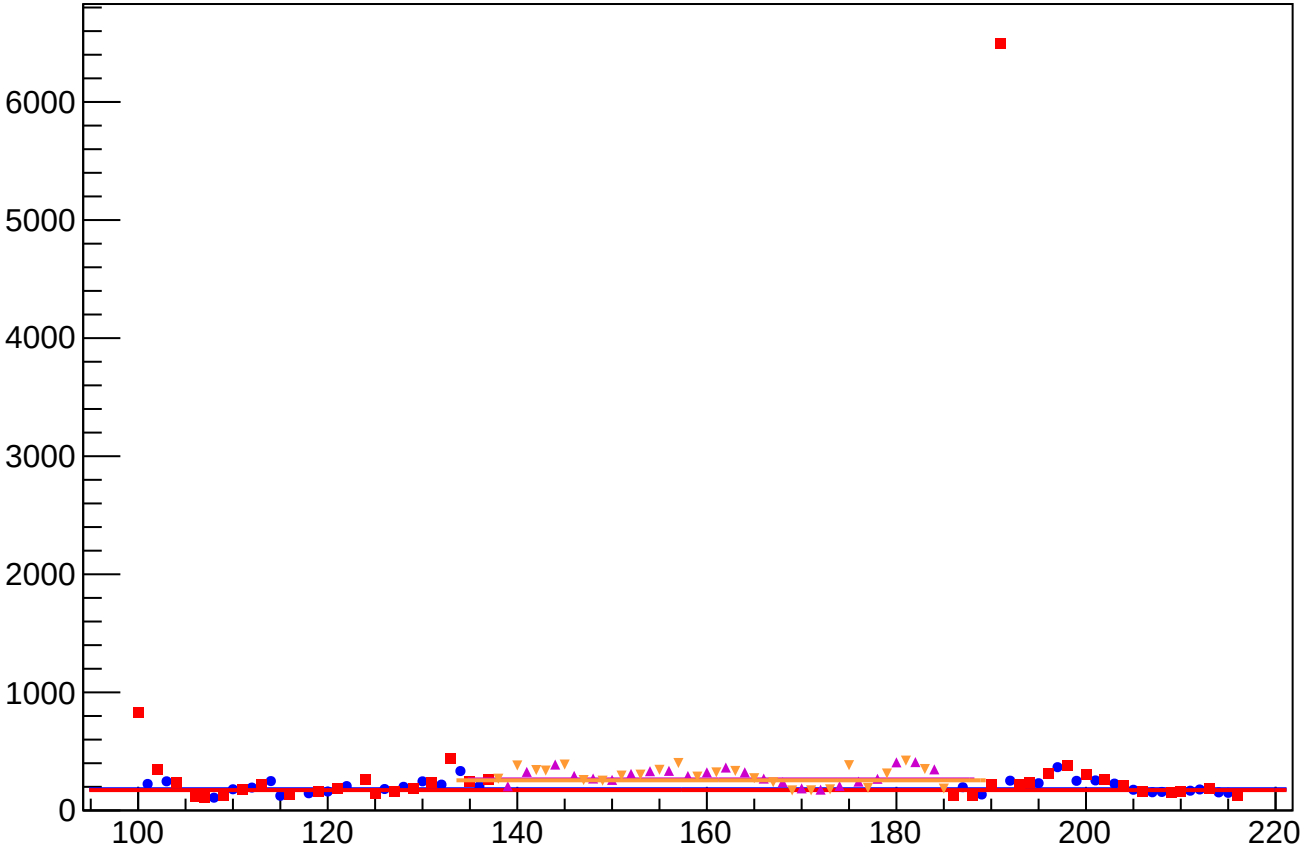
Right: -0.038+/-0.030 χ^2/NDF: 66.1/65

In: 0.029+/-0.036 χ^2/NDF:62.5/53

Out: -0.068+/-0.035 χ^2/NDF:58.1/59

All: -0.021+/-0.025 χ^2/NDF: 124.3/113

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: 172.373+/-0.030 χ^2/NDF: 3785339.0/34

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

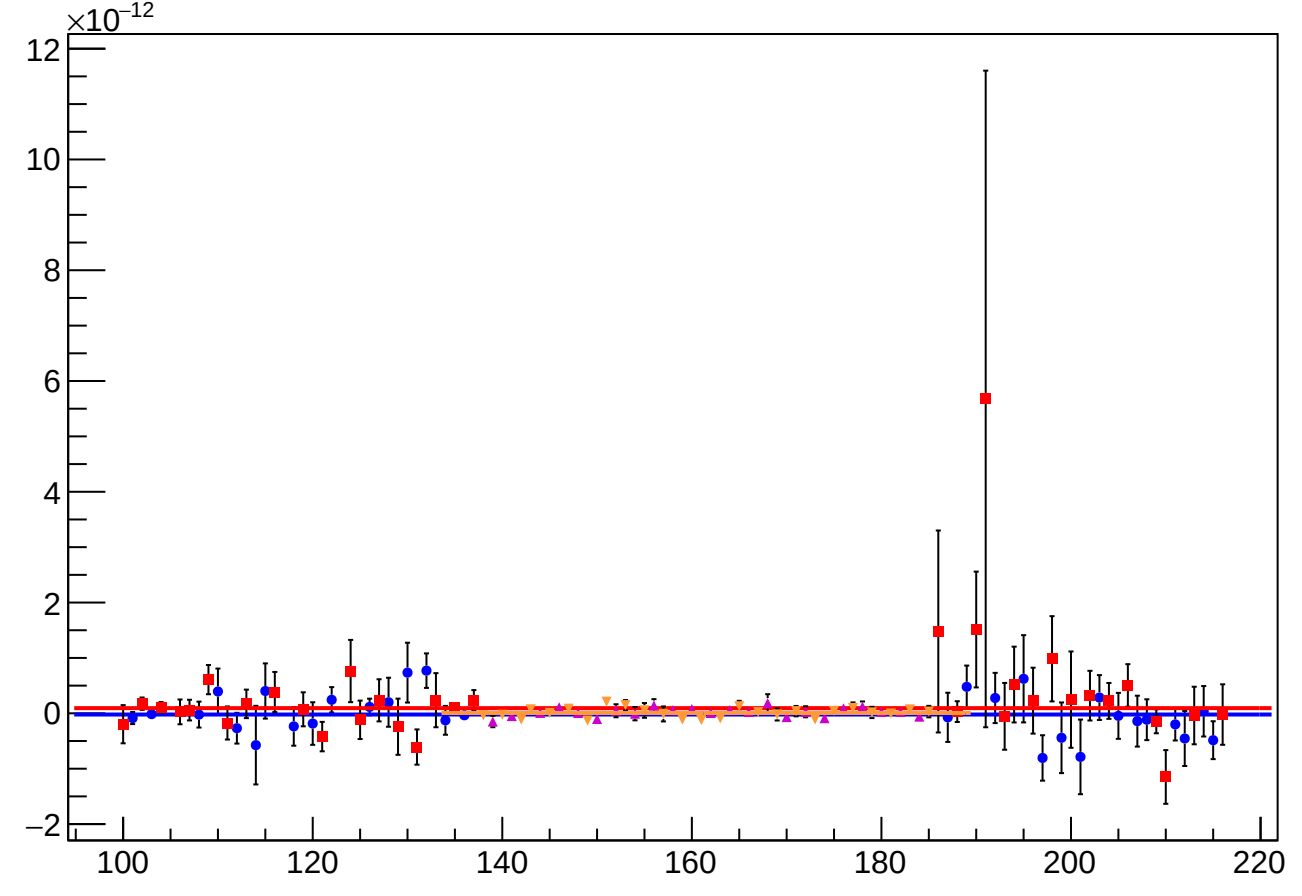
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 175.973+/-0.021 χ^2/NDF: 6027019.2/65

In: 205.254+/-0.025 χ^2/NDF:6507727.7/53

Out: 198.783+/-0.025 χ^2/NDF:9169468.2/59

All: 201.924+/-0.018 χ^2/NDF: 15710503.4/11



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/34

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

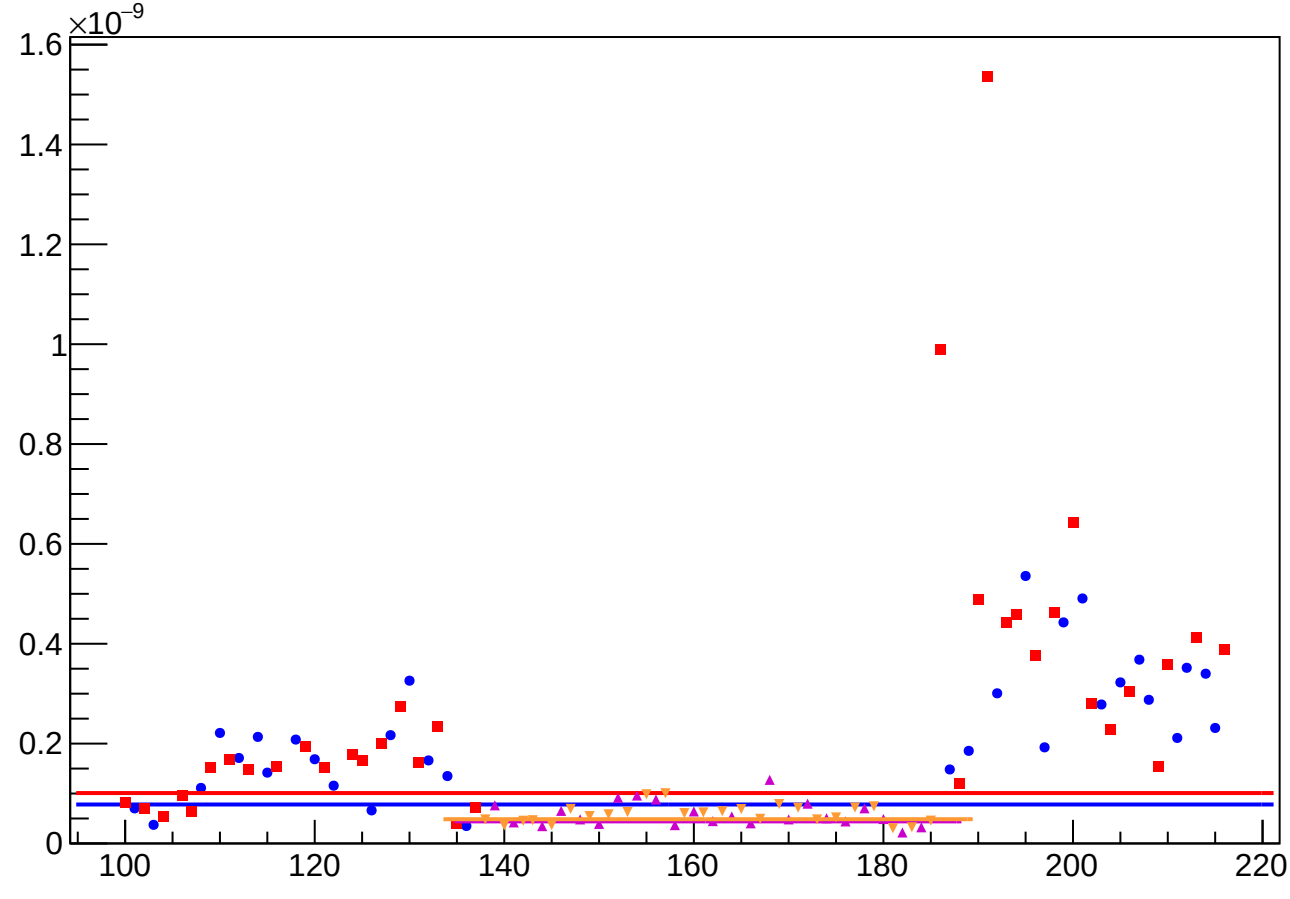
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 65.2/65

In: 0.000+/-0.000 χ^2/NDF:49.0/53

Out: 0.000+/-0.000 χ^2/NDF:68.1/59

All: 0.000+/-0.000 χ^2/NDF: 117.5/113



Right In: 0.000+/-0.000 χ^2/NDF: 11621875.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10175933.0/34

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

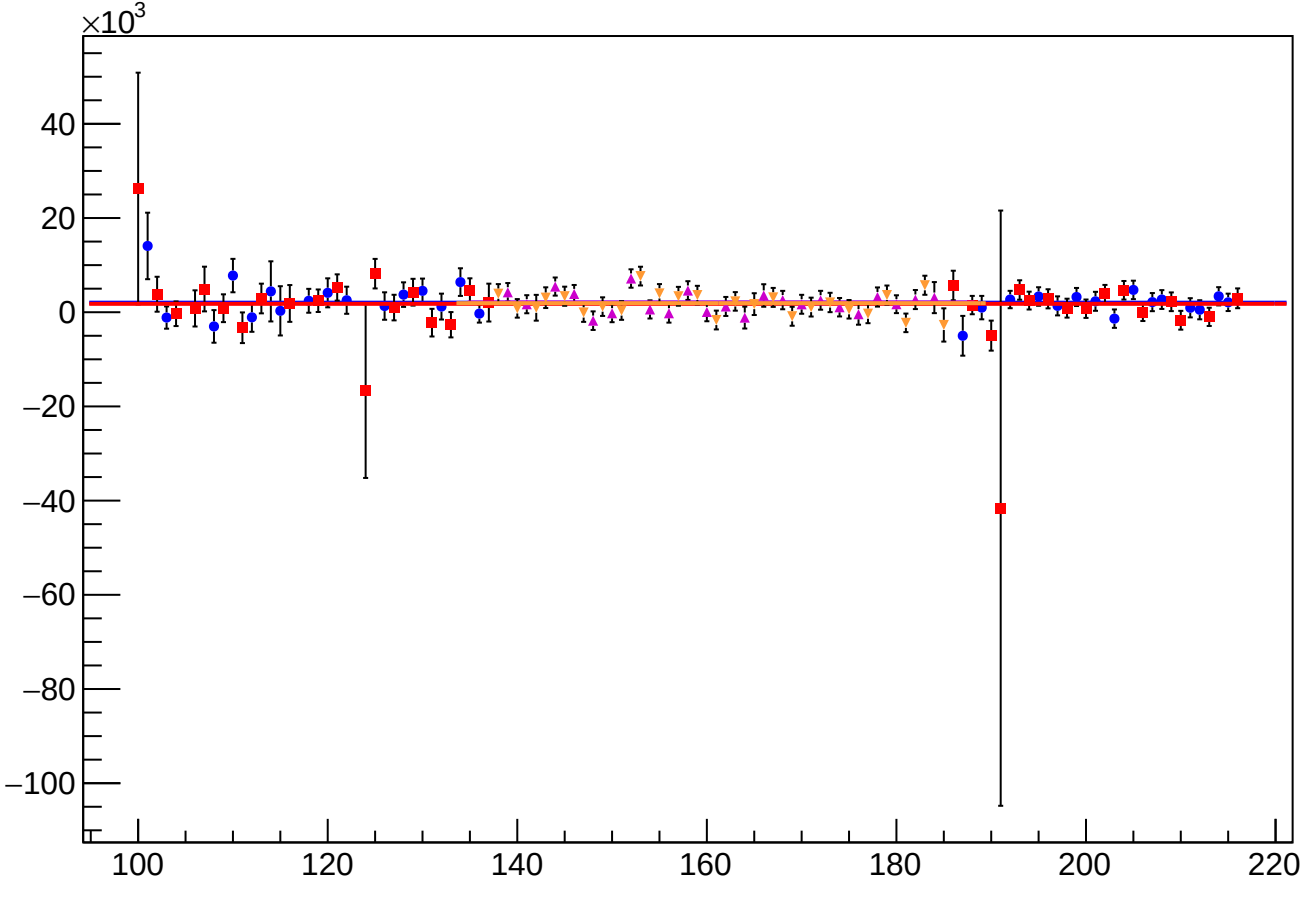
Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

Right: 0.000+/-0.000 χ^2/NDF: 22194699.5/65

In: 0.000+/-0.000 χ^2/NDF:16983479.4/53

Out: 0.000+/-0.000 χ^2/NDF:15862479.8/59

All: 0.000+/-0.000 χ^2/NDF: 33029473.0/113



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: 1782.755+/-430.101 χ^2/NDF: 37.8/34

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

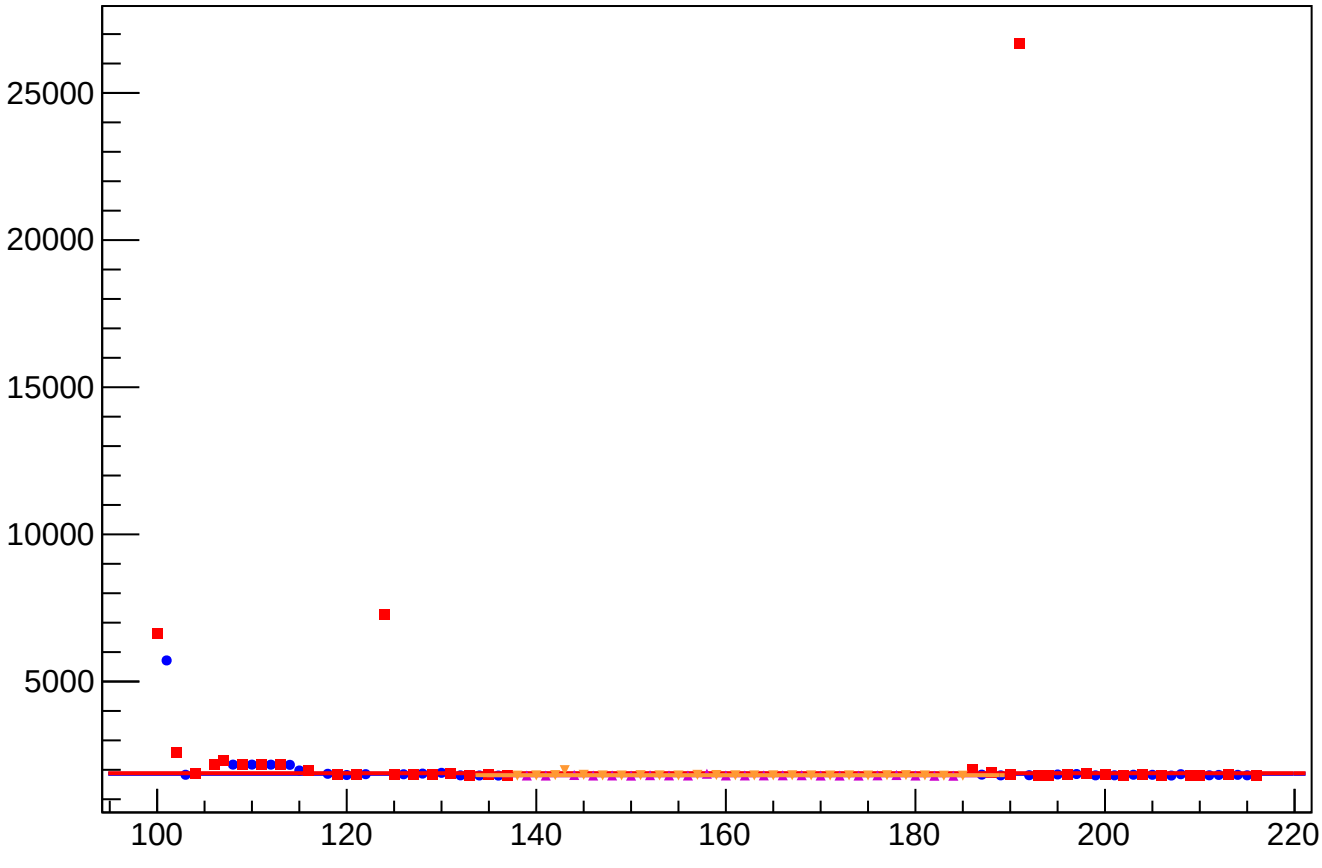
Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

Right: 1905.634+/-303.300 χ^2/NDF: 64.8/65

In: 2050.948+/-300.852 χ^2/NDF:53.4/53

Out: 1854.499+/-297.865 χ^2/NDF:70.4/59

All: 1951.743+/-211.671 χ^2/NDF: 124.0/113



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: 1884.687+/-0.304 χ^2/NDF: 744037.1/34

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

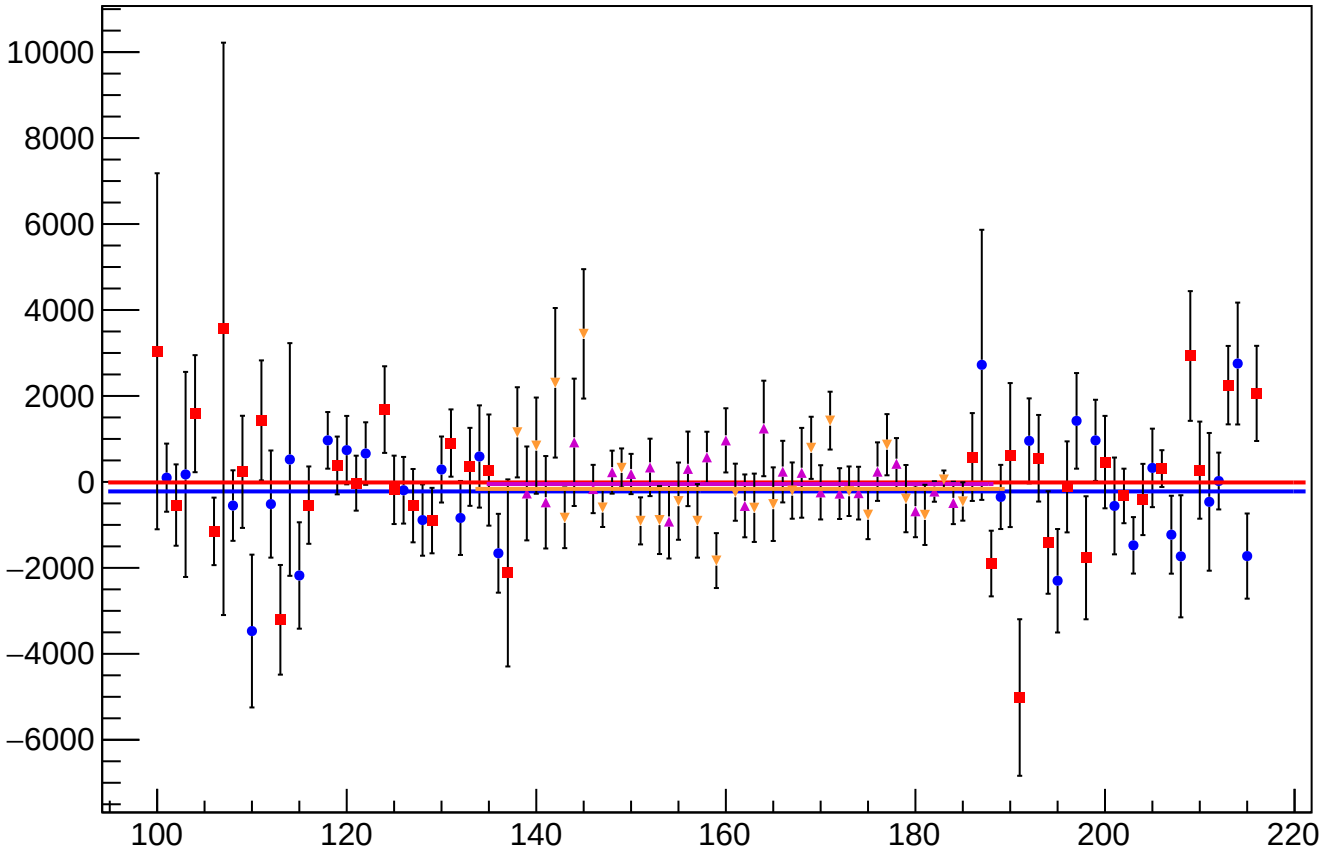
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1873.827+/-0.214 χ^2/NDF: 1416954.6/65

In: 1837.543+/-0.213 χ^2/NDF:686502.4/53

Out: 1849.737+/-0.211 χ^2/NDF:782370.7/59

All: 1843.701+/-0.150 χ^2/NDF: 1470532.2/11



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: -12.479+/-157.743 χ^2/NDF: 51.9/34

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

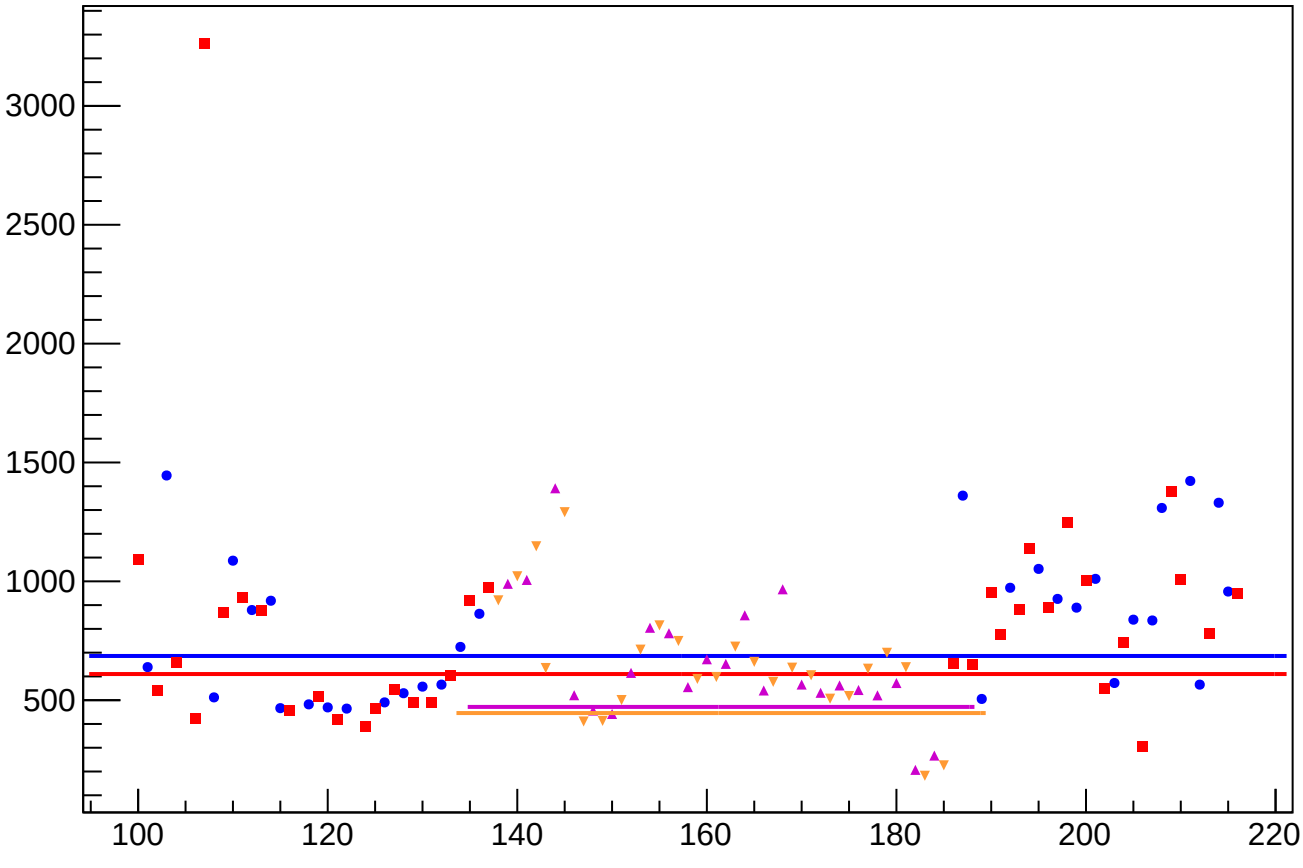
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -108.965+/-115.647 χ^2/NDF: 92.2/65

In: -108.107+/-99.497 χ^2/NDF:51.4/53

Out: -110.585+/-93.082 χ^2/NDF:89.4/59

All: -109.429+/-67.974 χ^2/NDF: 140.8/113



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: 610.032+/-0.112 χ^2/NDF: 5005522.6/34

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

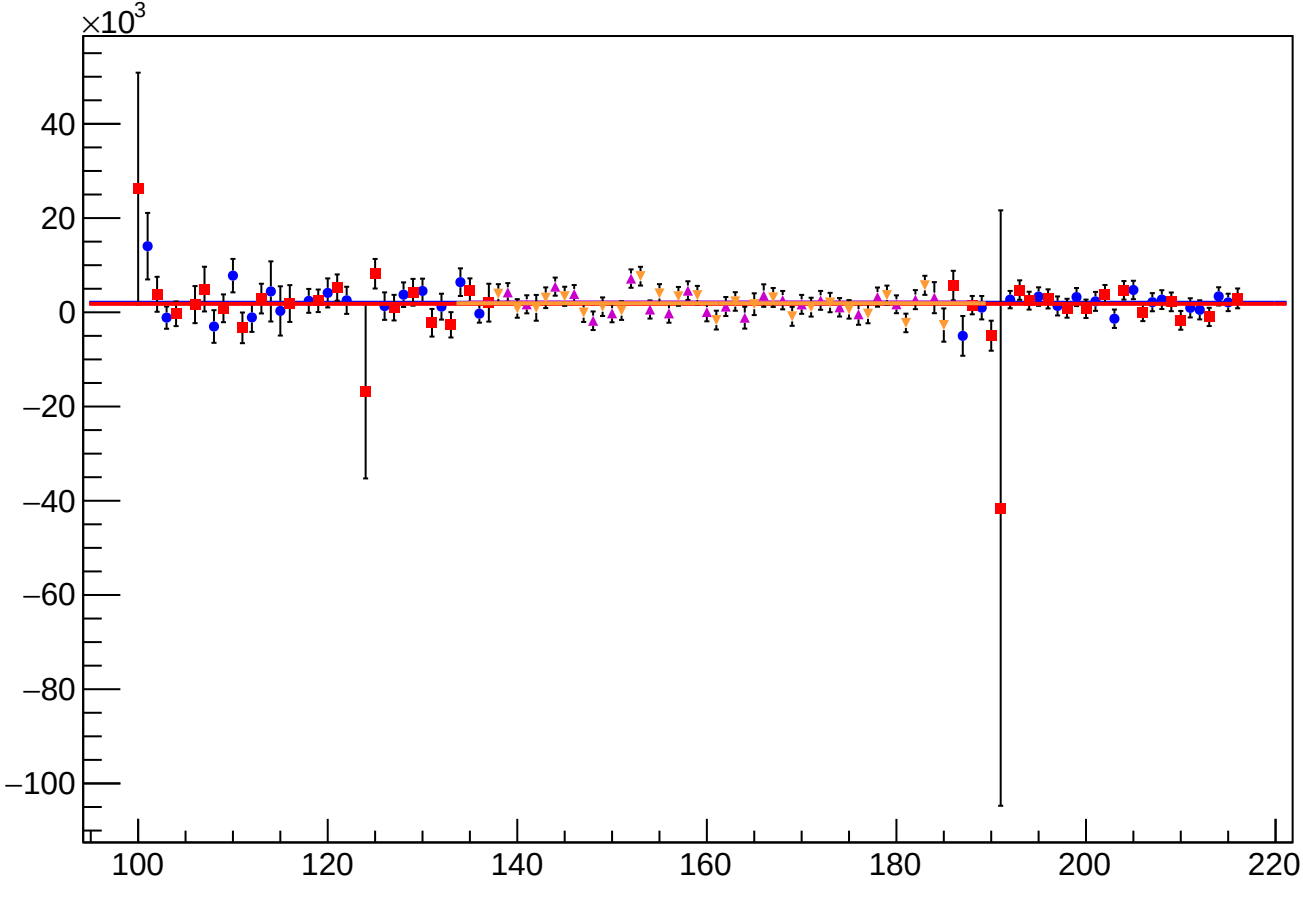
Right: 645.192+/-0.082 χ^2/NDF: 9163654.5/65

In: 545.114+/-0.070 χ^2/NDF:12446243.5/53

Out: 503.047+/-0.066 χ^2/NDF:14399433.4/59

All: 522.681+/-0.048 χ^2/NDF: 27036325.7/1

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: 1793.260+/-430.230 χ^2/NDF: 37.7/34

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

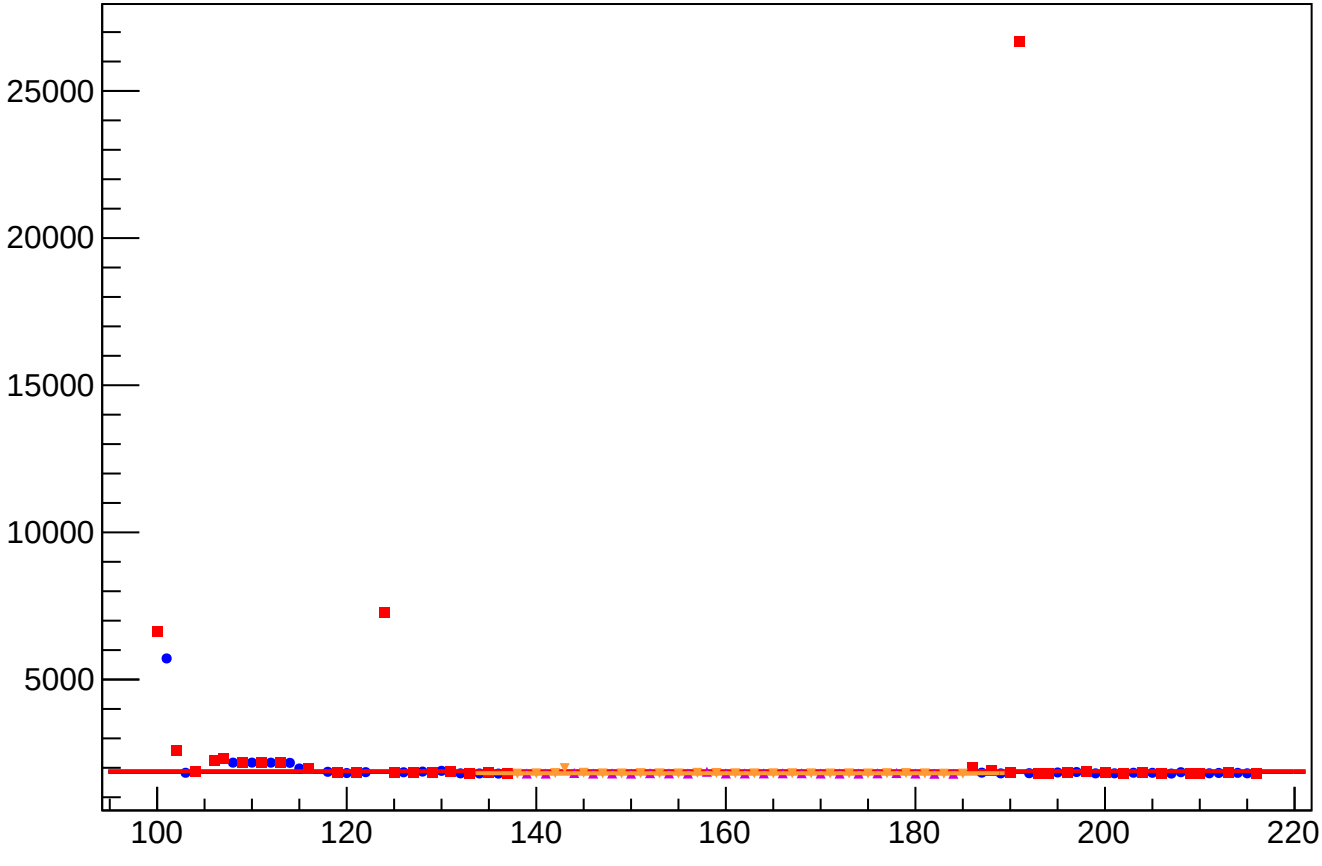
Right: 1910.847+/-303.346 χ^2/NDF: 64.7/65

In: 2050.953+/-300.852 χ^2/NDF:53.4/53

Out: 1859.537+/-297.908 χ^2/NDF:70.3/59

All: 1954.304+/-211.686 χ^2/NDF: 123.9/113

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: 1885.109+/-0.304 χ^2/NDF: 747789.2/34

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

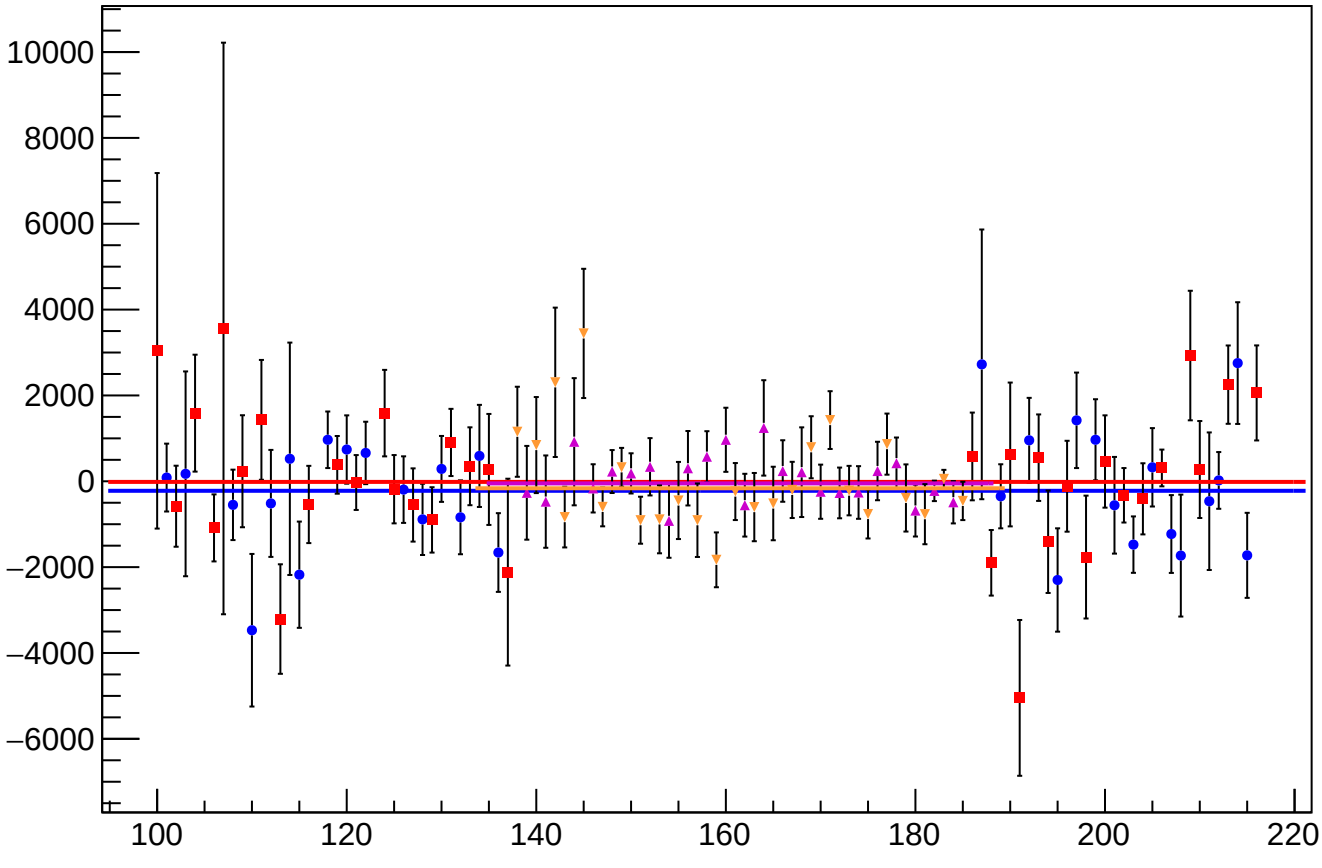
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1874.033+/-0.214 χ^2/NDF: 1420806.0/65

In: 1837.543+/-0.213 χ^2/NDF:686502.3/53

Out: 1849.929+/-0.211 χ^2/NDF:786434.6/59

All: 1843.797+/-0.150 χ^2/NDF: 1474648.5/11



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: -14.270+/-157.687 χ^2/NDF: 51.6/34

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

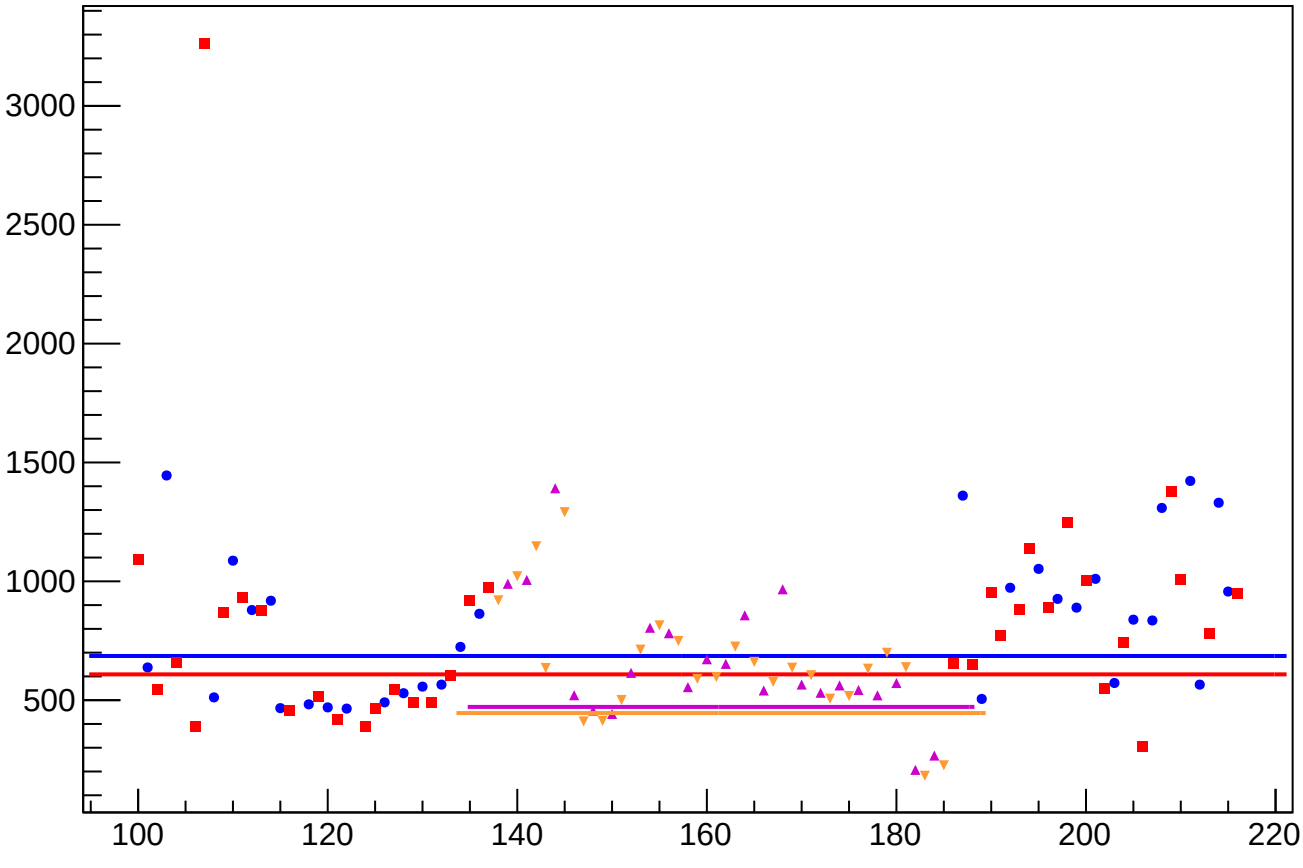
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -110.111+/-115.619 χ^2/NDF: 91.8/65

In: -108.284+/-99.495 χ^2/NDF:51.4/53

Out: -111.132+/-93.069 χ^2/NDF:89.0/59

All: -109.803+/-67.968 χ^2/NDF: 140.5/113



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: 608.656+/-0.112 χ^2/NDF: 5050941.0/34

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

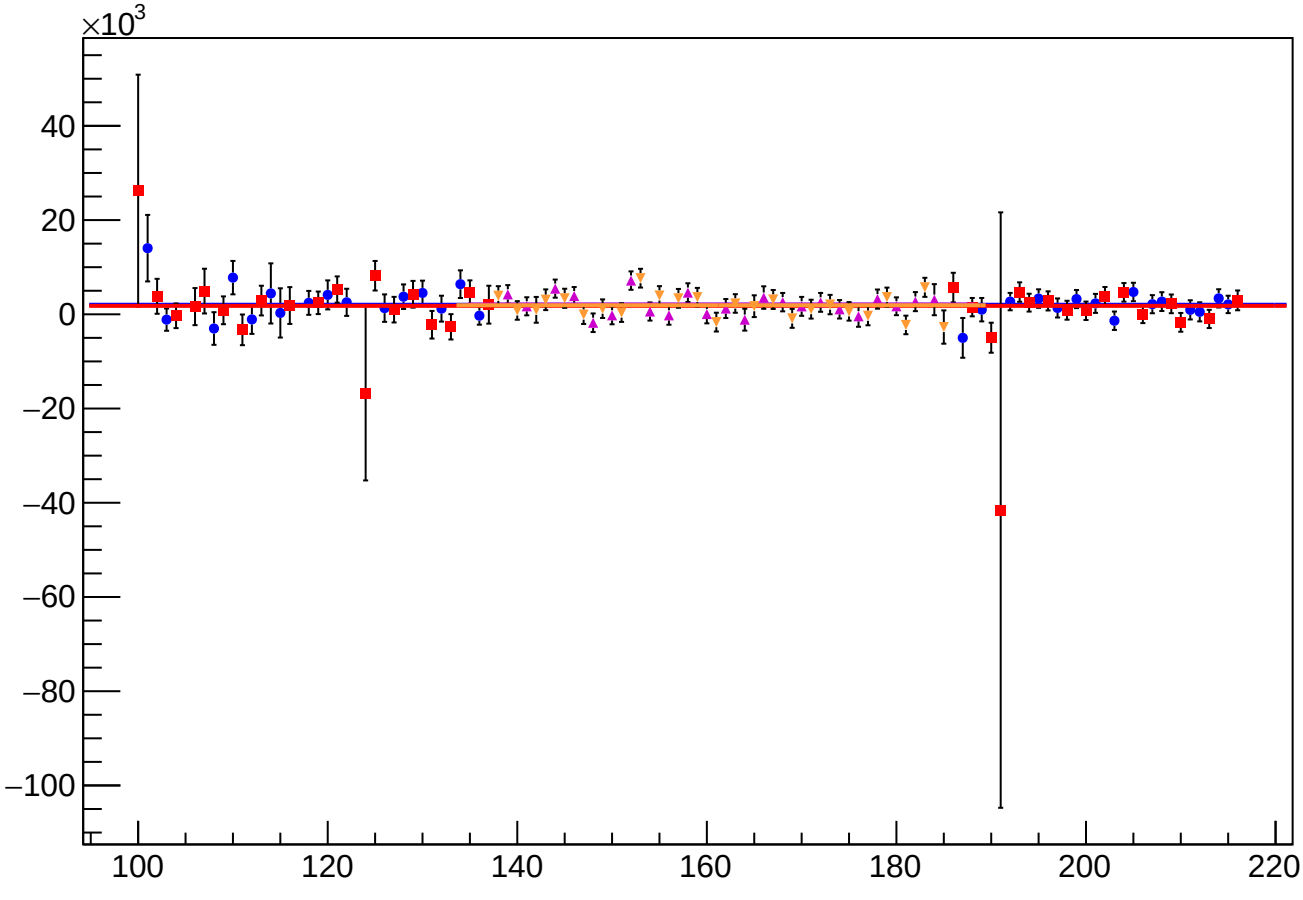
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 644.410+/-0.082 χ^2/NDF: 9217122.5/65

In: 545.109+/-0.070 χ^2/NDF:12445171.2/53

Out: 502.574+/-0.066 χ^2/NDF:14423807.6/59

All: 522.424+/-0.048 χ^2/NDF: 27063924.5/11



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: 1793.260+/-430.230 χ^2/NDF: 37.7/34

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

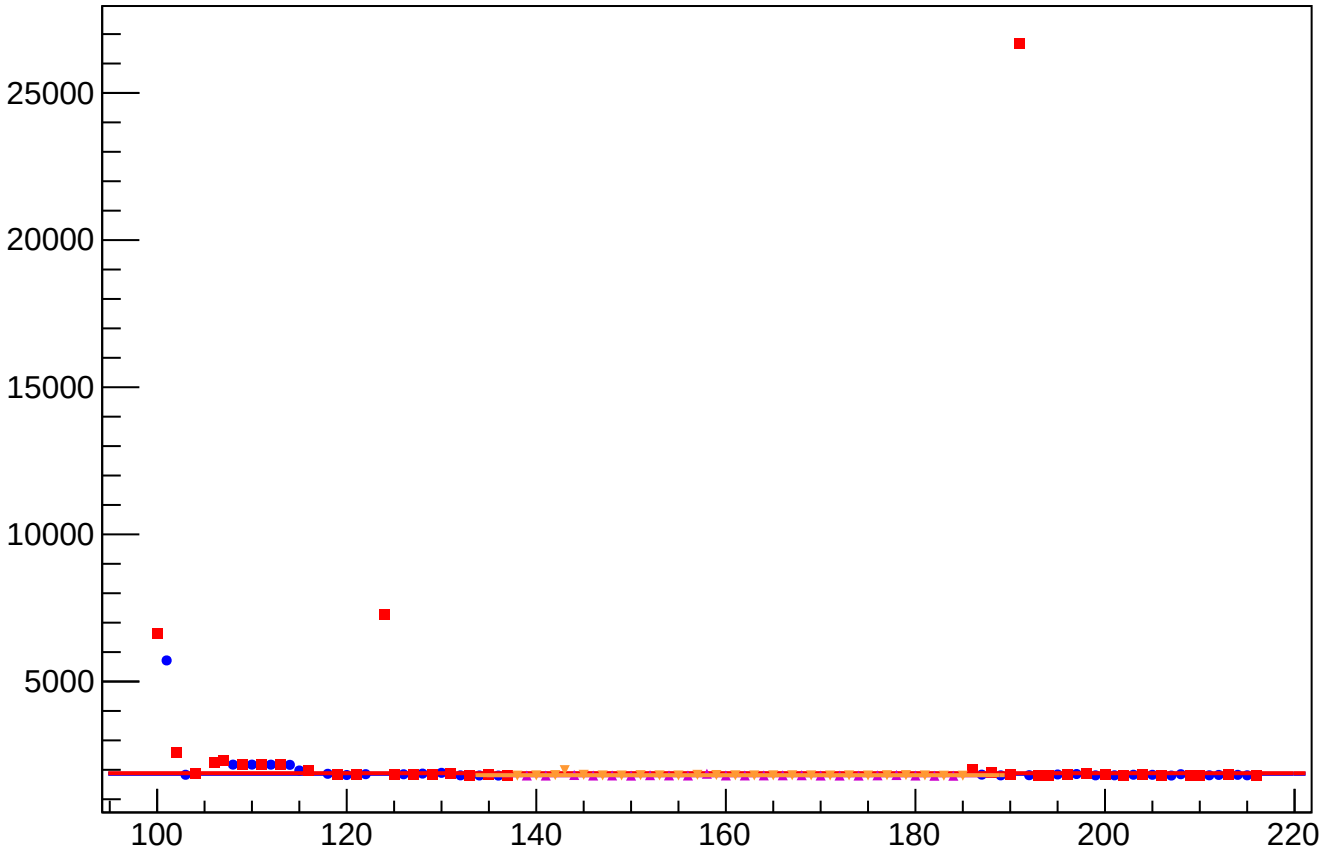
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1910.847+/-303.346 χ^2/NDF: 64.7/65

In: 2050.953+/-300.852 χ^2/NDF:53.4/53

Out: 1859.537+/-297.908 χ^2/NDF:70.3/59

All: 1954.304+/-211.686 χ^2/NDF: 123.9/113



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: 1885.109+/-0.304 χ^2/NDF: 747789.2/34

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

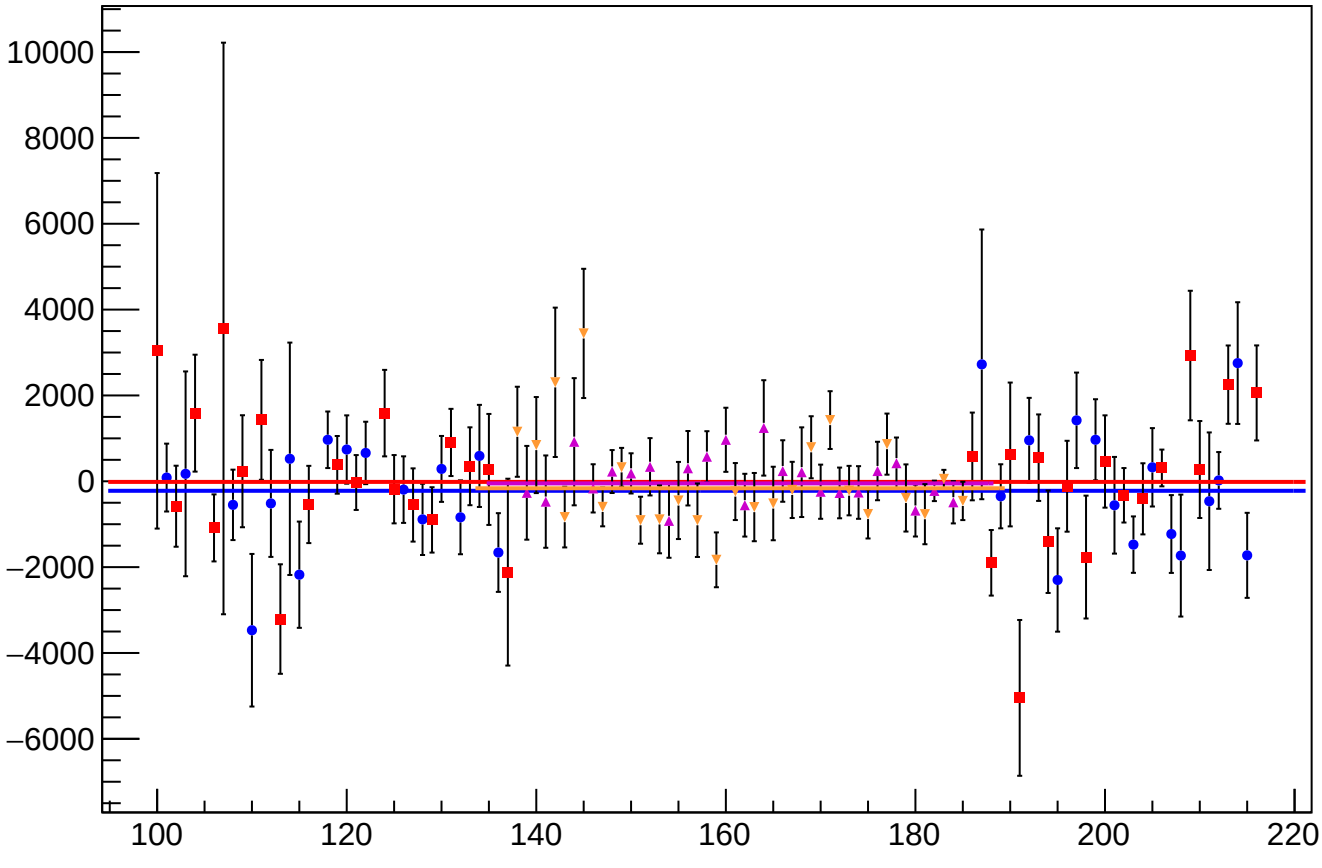
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1874.033+/-0.214 χ^2/NDF: 1420806.0/65

In: 1837.543+/-0.213 χ^2/NDF:686502.3/53

Out: 1849.929+/-0.211 χ^2/NDF:786434.6/59

All: 1843.797+/-0.150 χ^2/NDF: 1474648.5/11



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: -14.270+/-157.687 χ^2/NDF: 51.6/34

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

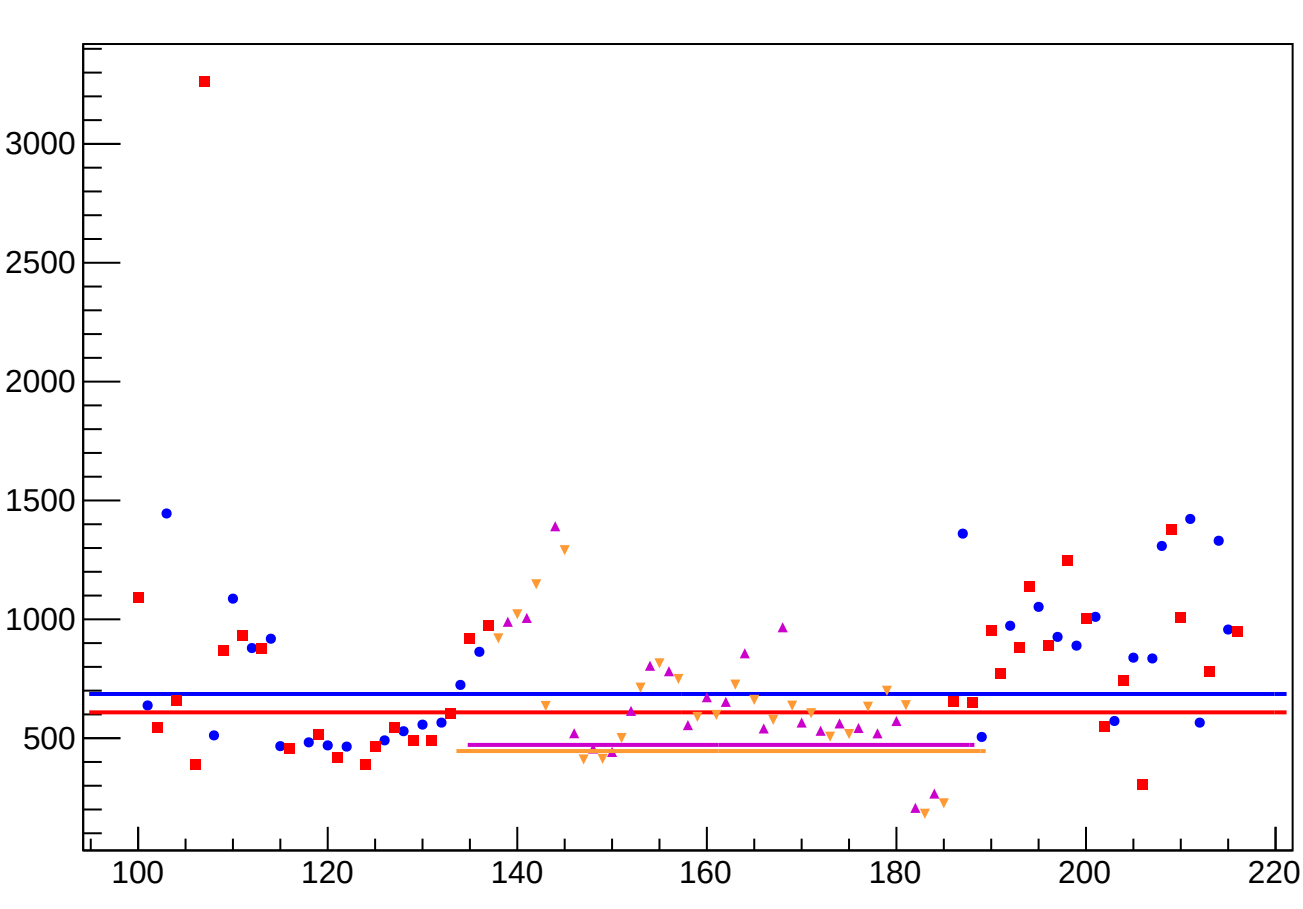
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -110.111+/-115.619 χ^2/NDF: 91.8/65

In: -108.284+/-99.495 χ^2/NDF:51.4/53

Out: -111.132+/-93.069 χ^2/NDF:89.0/59

All: -109.803+/-67.968 χ^2/NDF: 140.5/113



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: 608.656+/-0.112 χ^2/NDF: 5050941.0/34

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

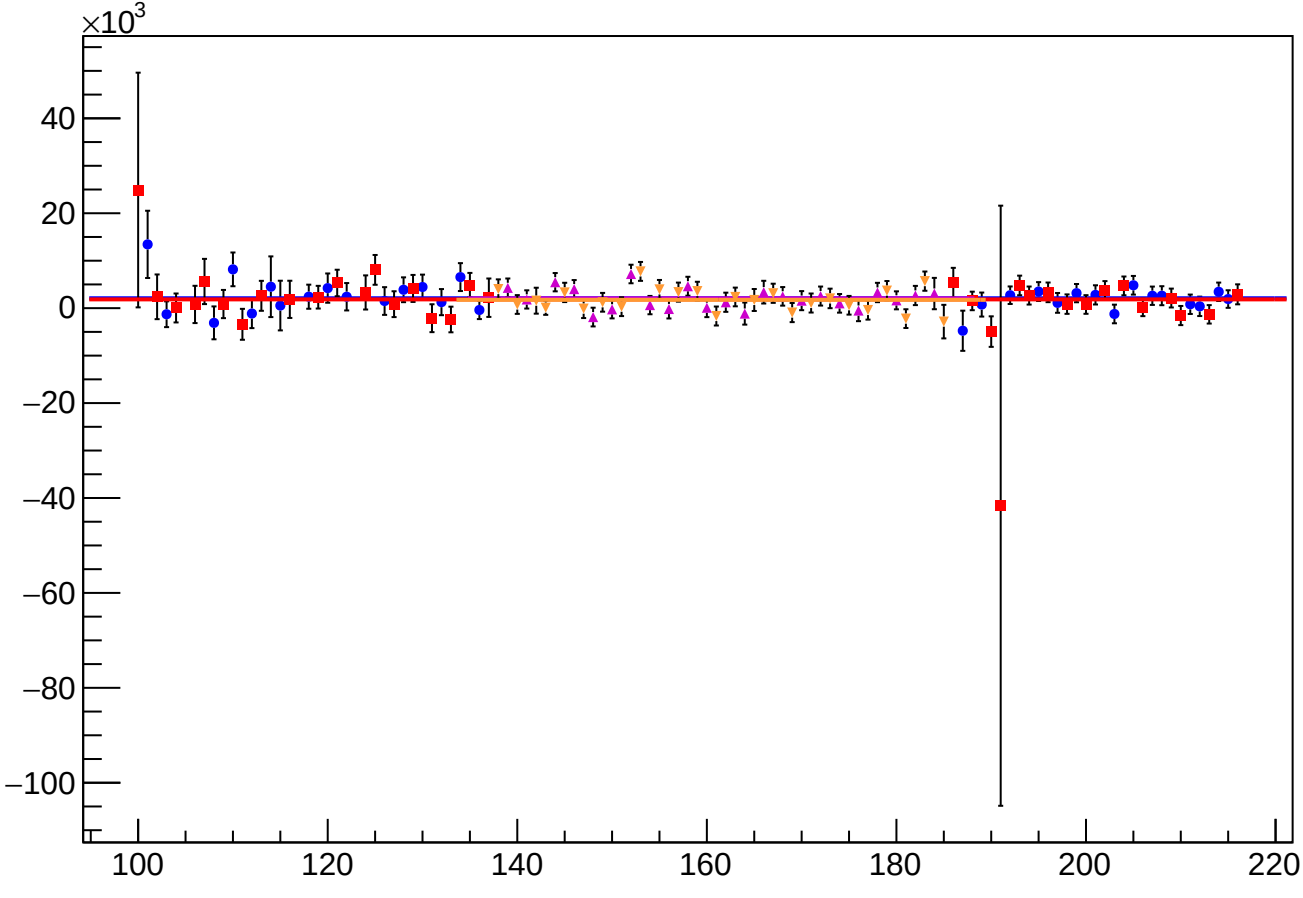
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 644.410+/-0.082 χ^2/NDF: 9217122.5/65

In: 545.109+/-0.070 χ^2/NDF:12445171.2/53

Out: 502.574+/-0.066 χ^2/NDF:14423807.6/59

All: 522.424+/-0.048 χ^2/NDF: 27063924.5/11



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: 1848.951+/-432.477 χ^2/NDF: 35.8/34

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

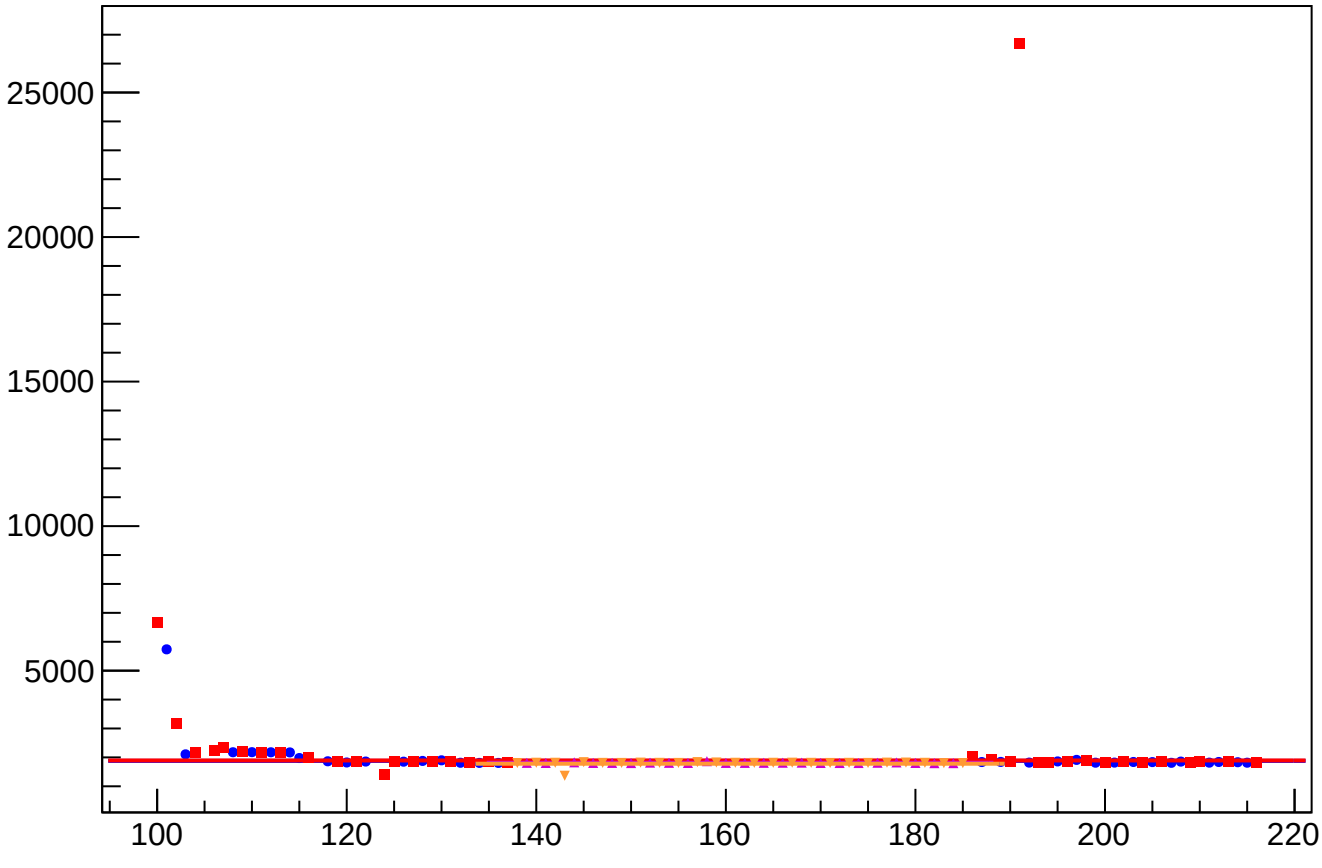
Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

Right: 1968.226+/-305.471 χ^2/NDF: 63.2/65

In: 2080.084+/-302.311 χ^2/NDF:54.2/53

Out: 1799.205+/-295.771 χ^2/NDF:69.7/59

All: 1936.574+/-211.416 χ^2/NDF: 124.3/113



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: 1893.706+/-0.306 χ^2/NDF: 701279.0/34

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

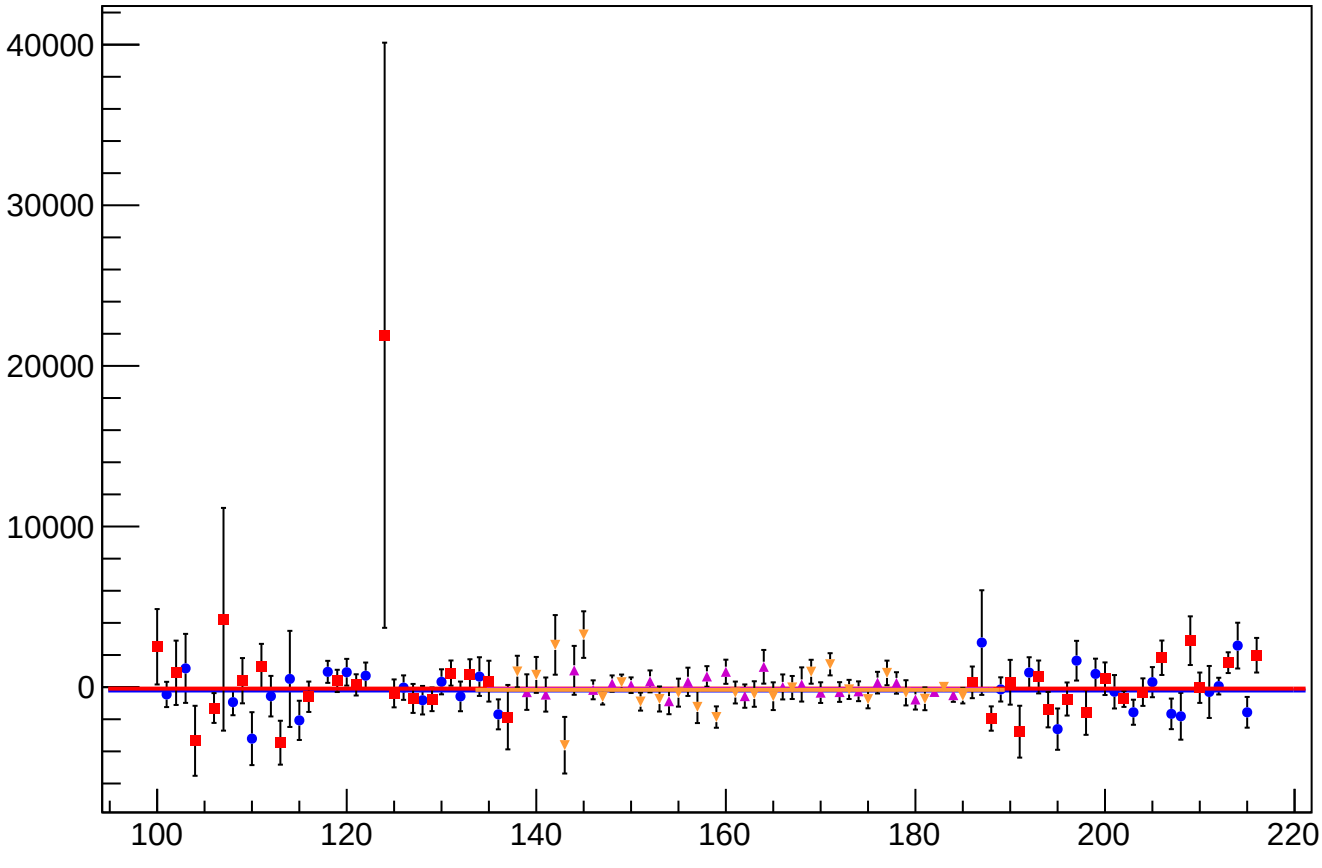
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1886.291+/-0.216 χ^2/NDF: 1385655.2/65

In: 1846.078+/-0.214 χ^2/NDF:708032.9/53

Out: 1833.668+/-0.209 χ^2/NDF:938627.3/59

All: 1839.738+/-0.149 χ^2/NDF: 1648382.0/11



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: -92.050+/-166.761 χ^2/NDF: 51.8/34

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

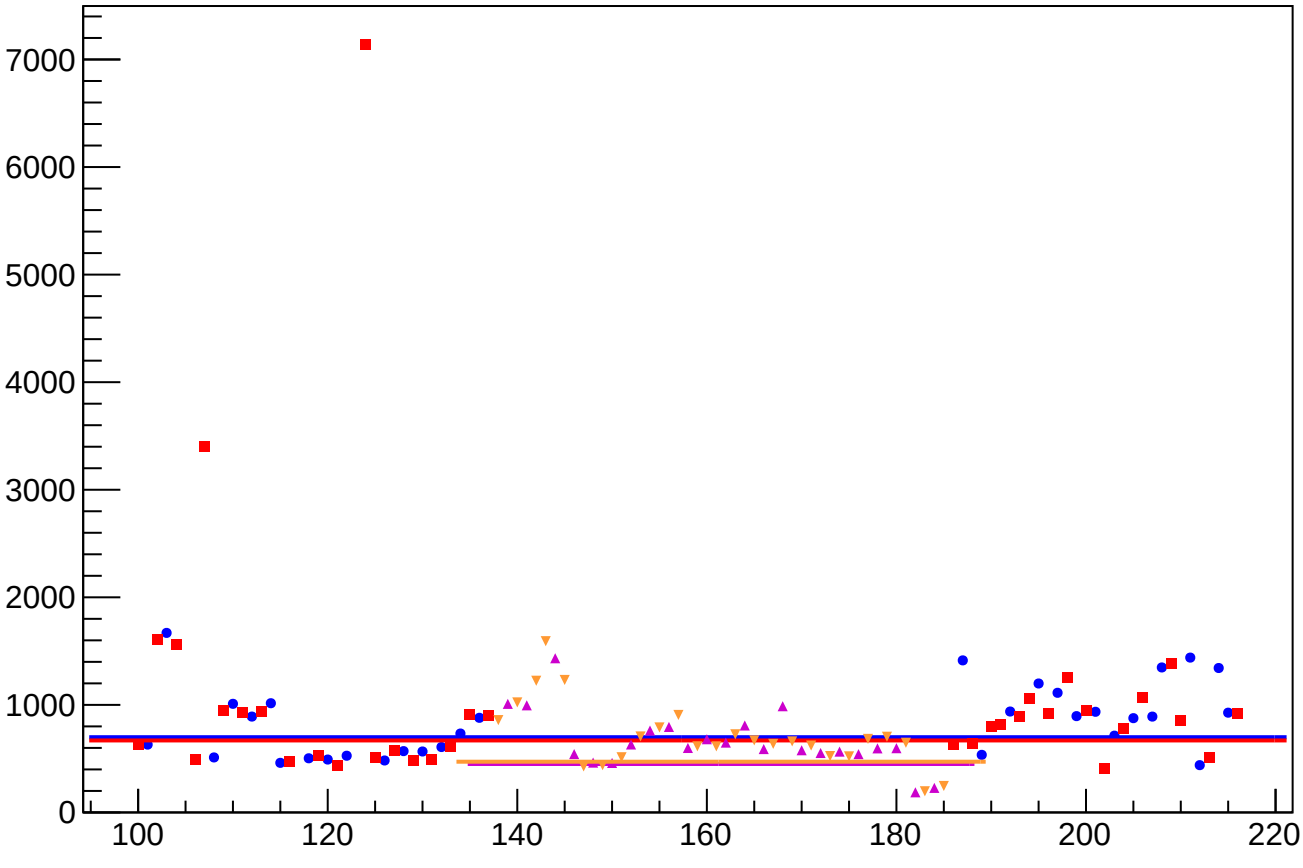
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -148.981+/-119.498 χ^2/NDF: 91.5/65

In: -147.367+/-98.162 χ^2/NDF:51.9/53

Out: -141.567+/-98.268 χ^2/NDF:90.3/59

All: -144.470+/-69.448 χ^2/NDF: 142.2/113



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: 669.451+/-0.118 χ^2/NDF: 5114060.5/34

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

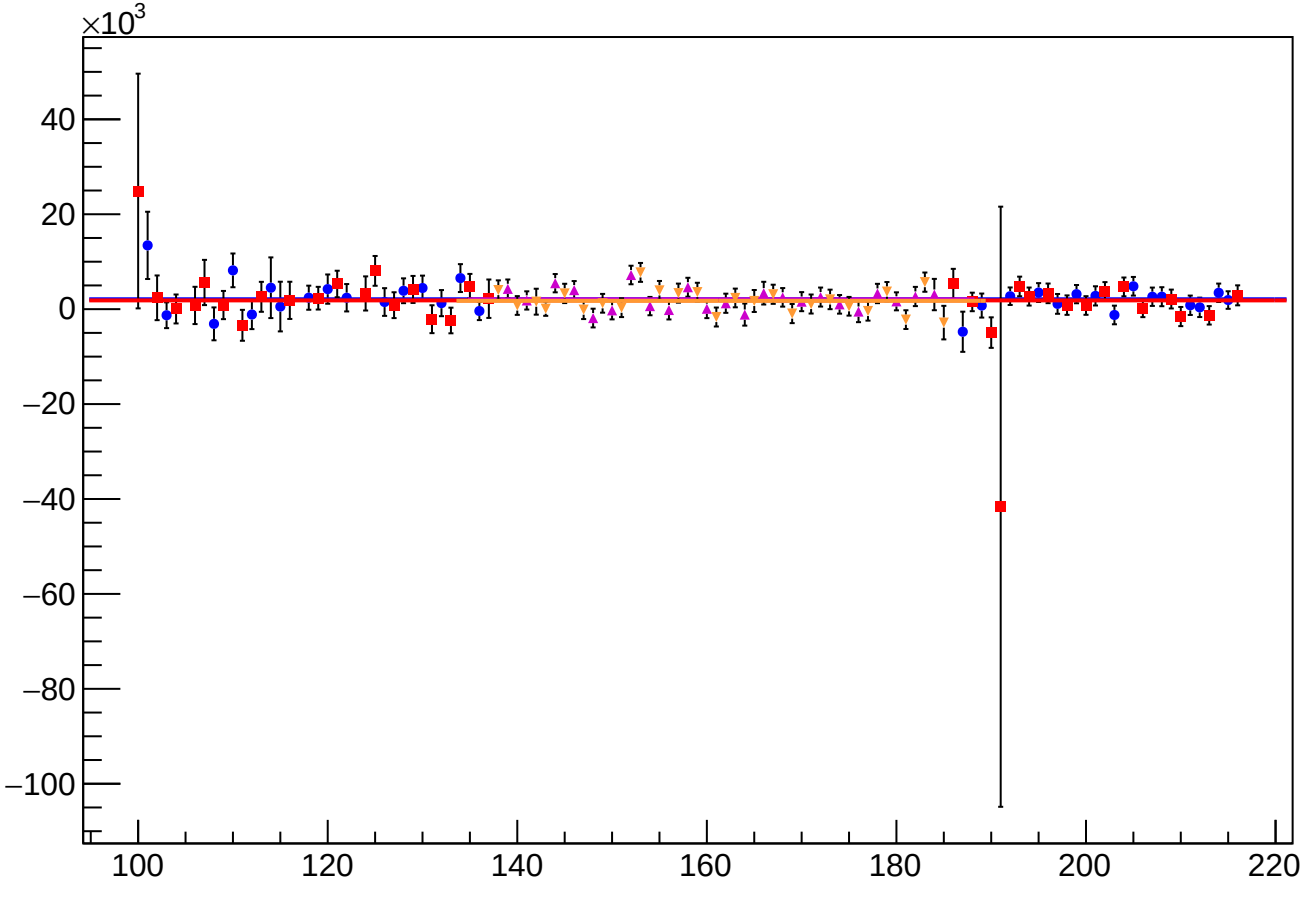
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 684.127+/-0.084 χ^2/NDF: 9638202.0/65

In: 532.386+/-0.069 χ^2/NDF:15257647.9/53

Out: 540.418+/-0.069 χ^2/NDF:15061125.7/59

All: 536.397+/-0.049 χ^2/NDF: 30325462.1/11



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: 1848.950+/-432.477 χ^2/NDF: 35.8/34

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

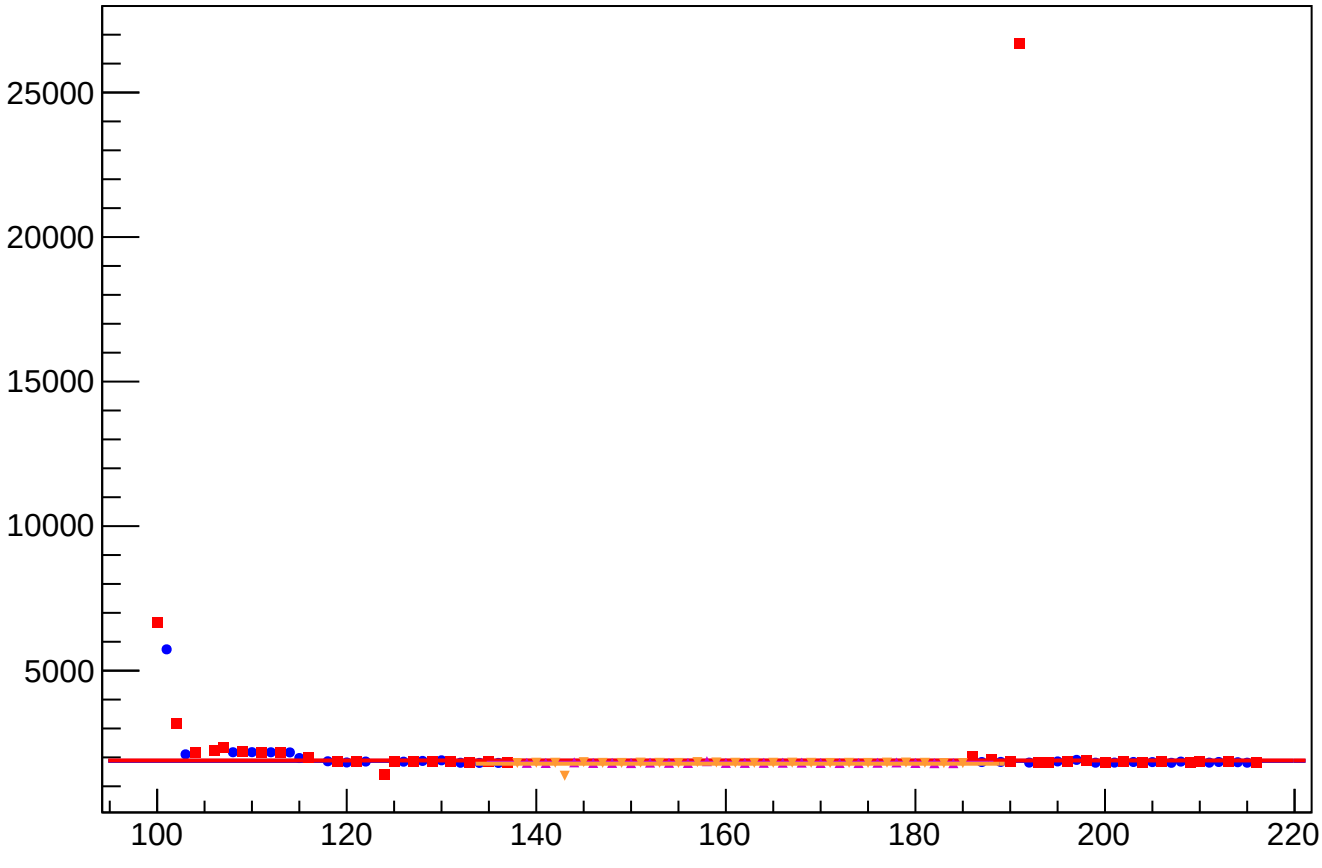
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1968.225+/-305.471 χ^2/NDF: 63.2/65

In: 2080.084+/-302.311 χ^2/NDF:54.2/53

Out: 1799.205+/-295.771 χ^2/NDF:69.7/59

All: 1936.573+/-211.416 χ^2/NDF: 124.3/113



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: 1893.706+/-0.306 χ^2/NDF: 701277.6/34

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

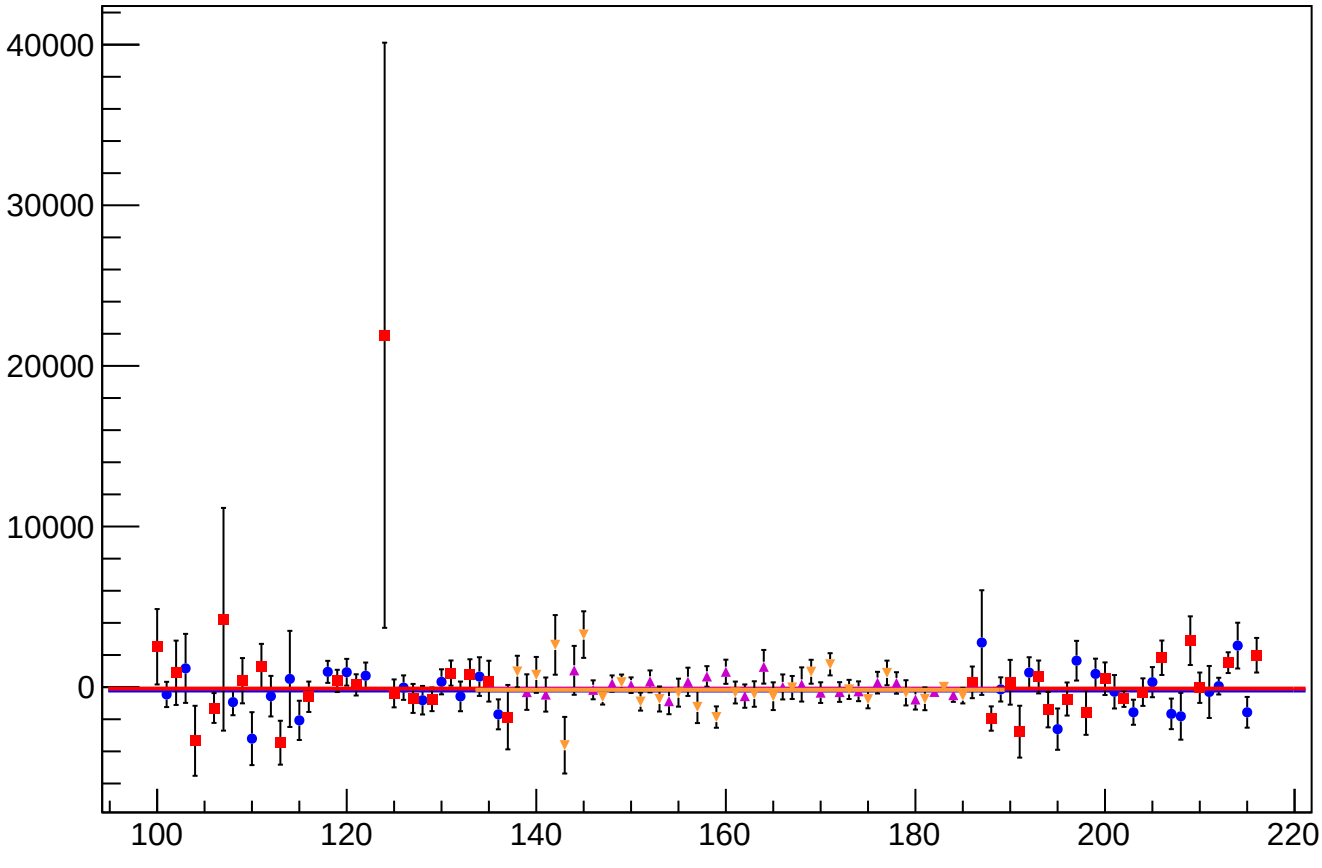
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1886.291+/-0.216 χ^2/NDF: 1385653.4/65

In: 1846.078+/-0.214 χ^2/NDF:708032.4/53

Out: 1833.668+/-0.209 χ^2/NDF:938625.7/59

All: 1839.737+/-0.149 χ^2/NDF: 1648379.9/11



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: -92.050+/-166.761 χ^2/NDF: 51.8/34

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

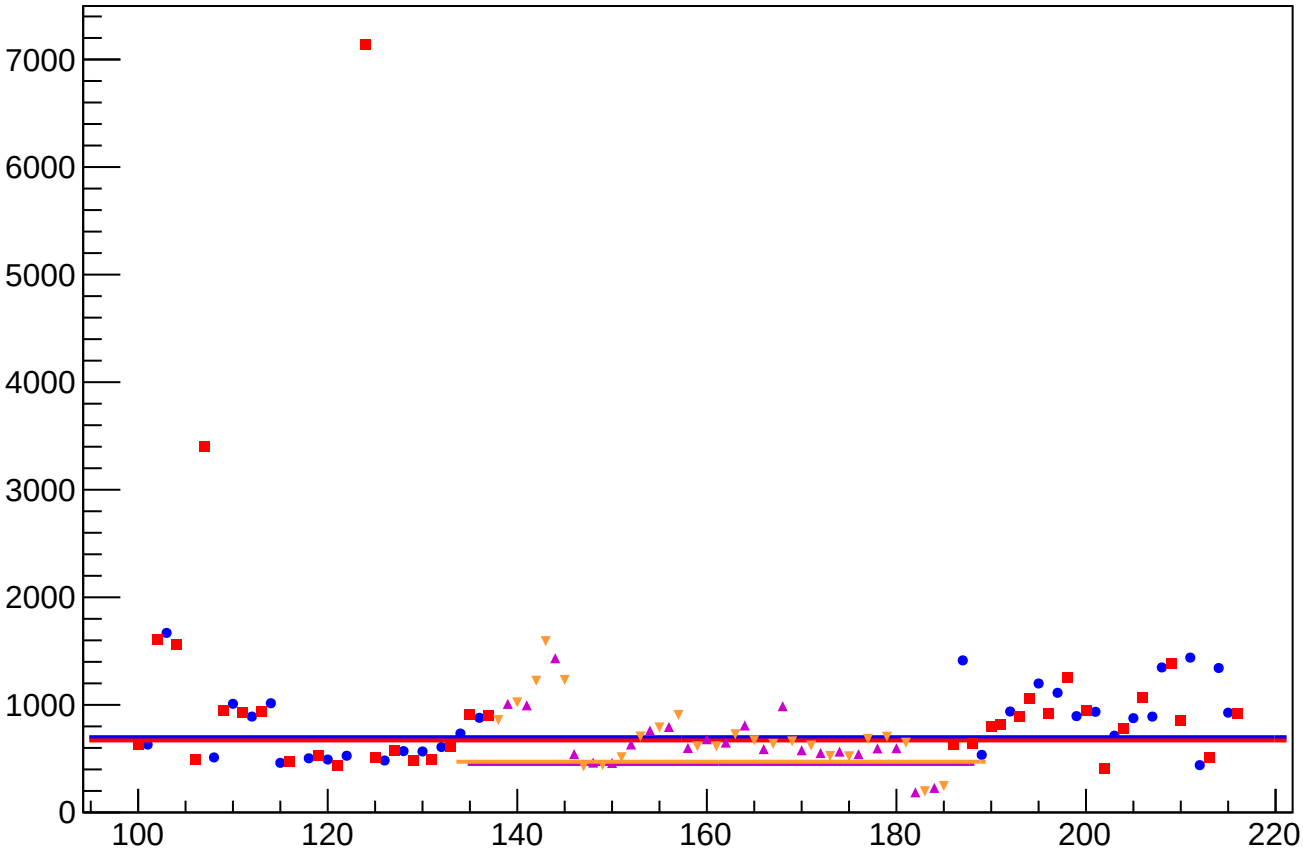
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -148.981+/-119.498 χ^2/NDF: 91.5/65

In: -147.368+/-98.162 χ^2/NDF:51.9/53

Out: -141.568+/-98.268 χ^2/NDF:90.3/59

All: -144.471+/-69.448 χ^2/NDF: 142.2/113



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: 669.451+/-0.118 χ^2/NDF: 5114076.6/34

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

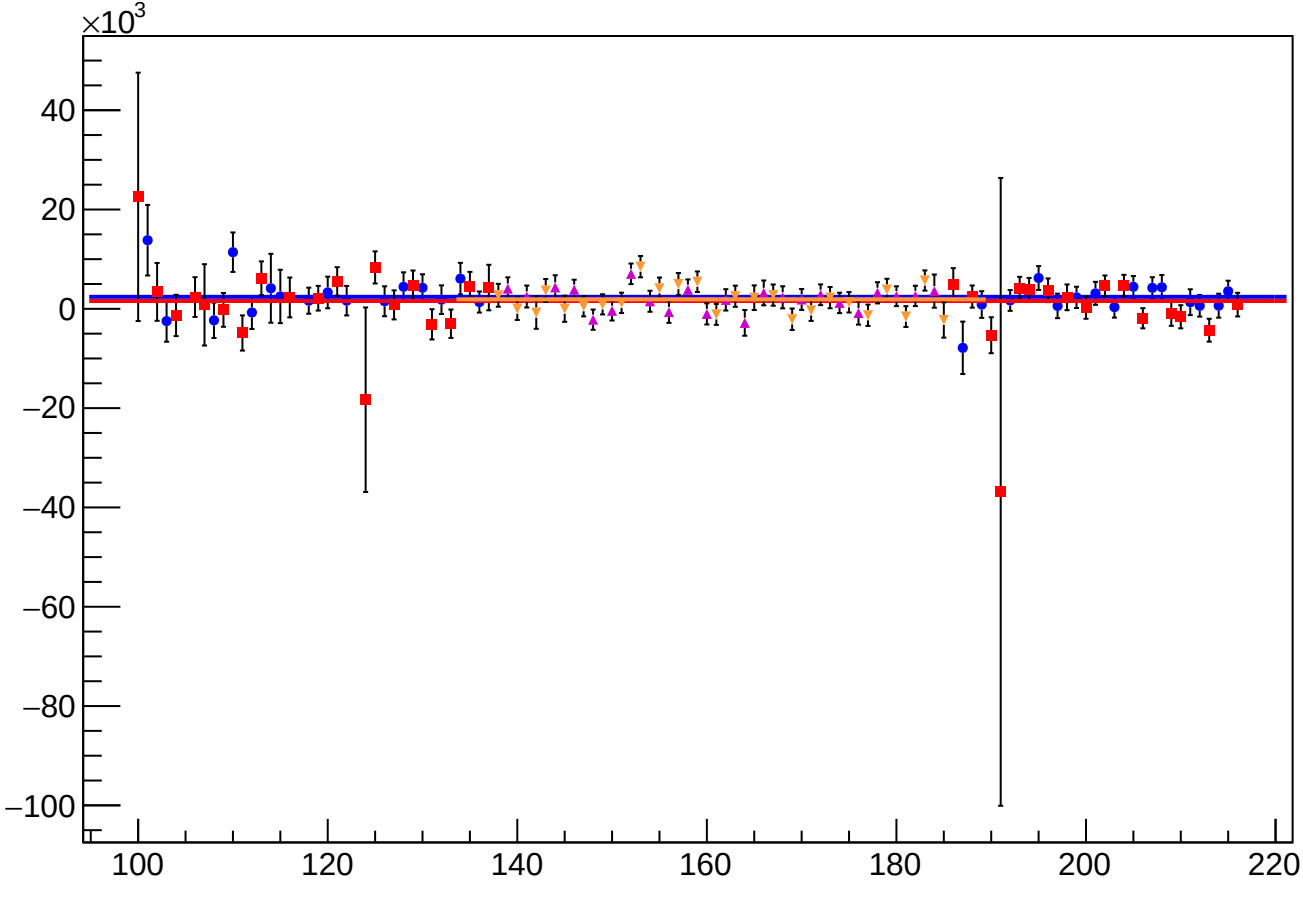
Right: 684.127+/-0.084 χ^2/NDF: 9638247.5/65

In: 532.386+/-0.069 χ^2/NDF:15257628.7/53

Out: 540.419+/-0.069 χ^2/NDF:15061126.9/59

All: 536.398+/-0.049 χ^2/NDF: 30325443.8/1

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: 1574.037+/-490.087 χ^2/NDF: 47.2/34

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

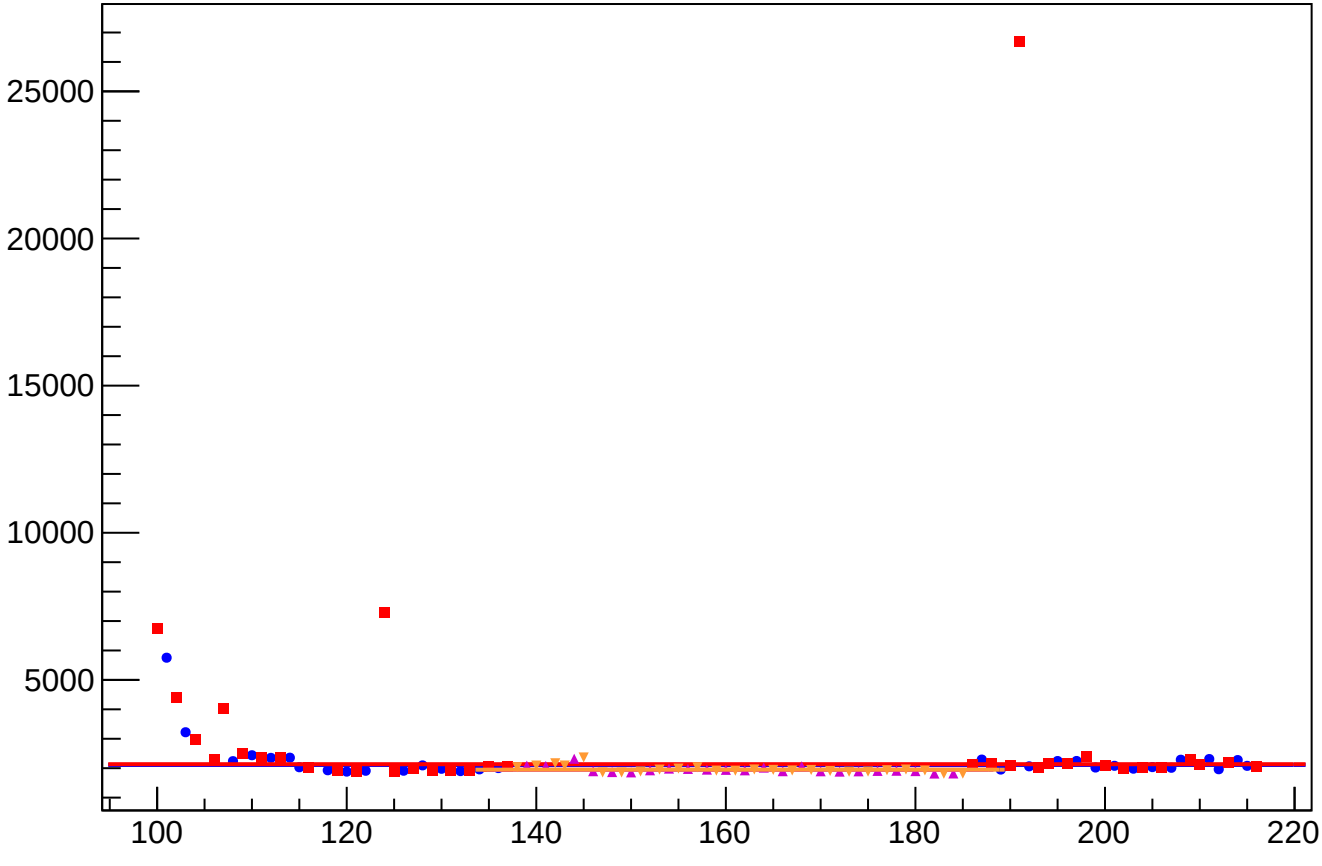
Right: 1999.639+/-345.057 χ^2/NDF: 75.5/65

In: 2156.101+/-332.076 χ^2/NDF:52.1/53

Out: 1757.287+/-328.851 χ^2/NDF:83.7/59

All: 1954.748+/-233.665 χ^2/NDF: 136.5/113

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: 2135.566+/-0.347 χ^2/NDF: 1189829.0/34

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

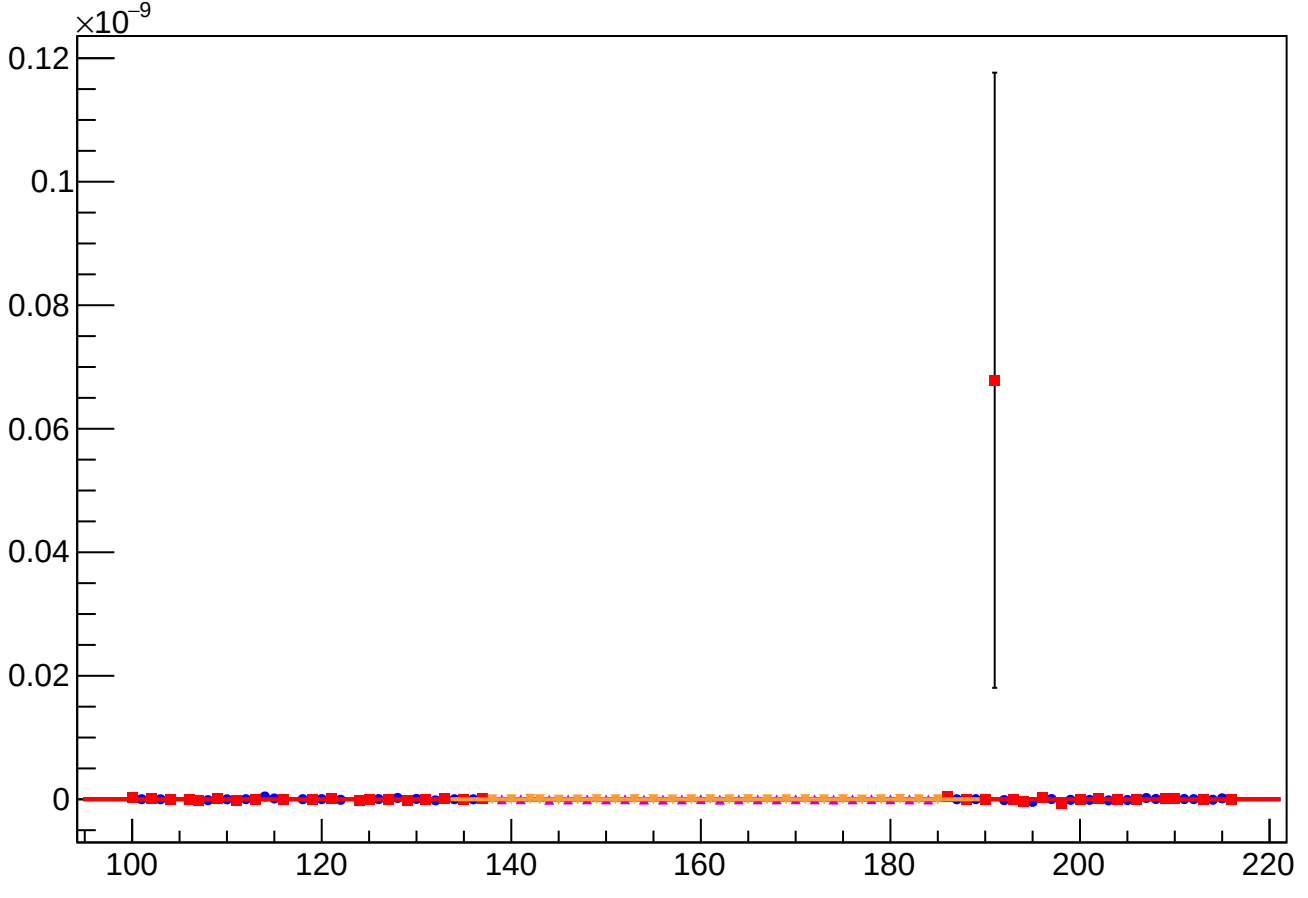
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2122.315+/-0.244 χ^2/NDF: 2033482.1/65

In: 2021.803+/-0.235 χ^2/NDF:1058361.9/53

Out: 2033.002+/-0.233 χ^2/NDF:1457687.8/59

All: 2027.457+/-0.165 χ^2/NDF: 2517198.2/11



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: 31.5/34

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

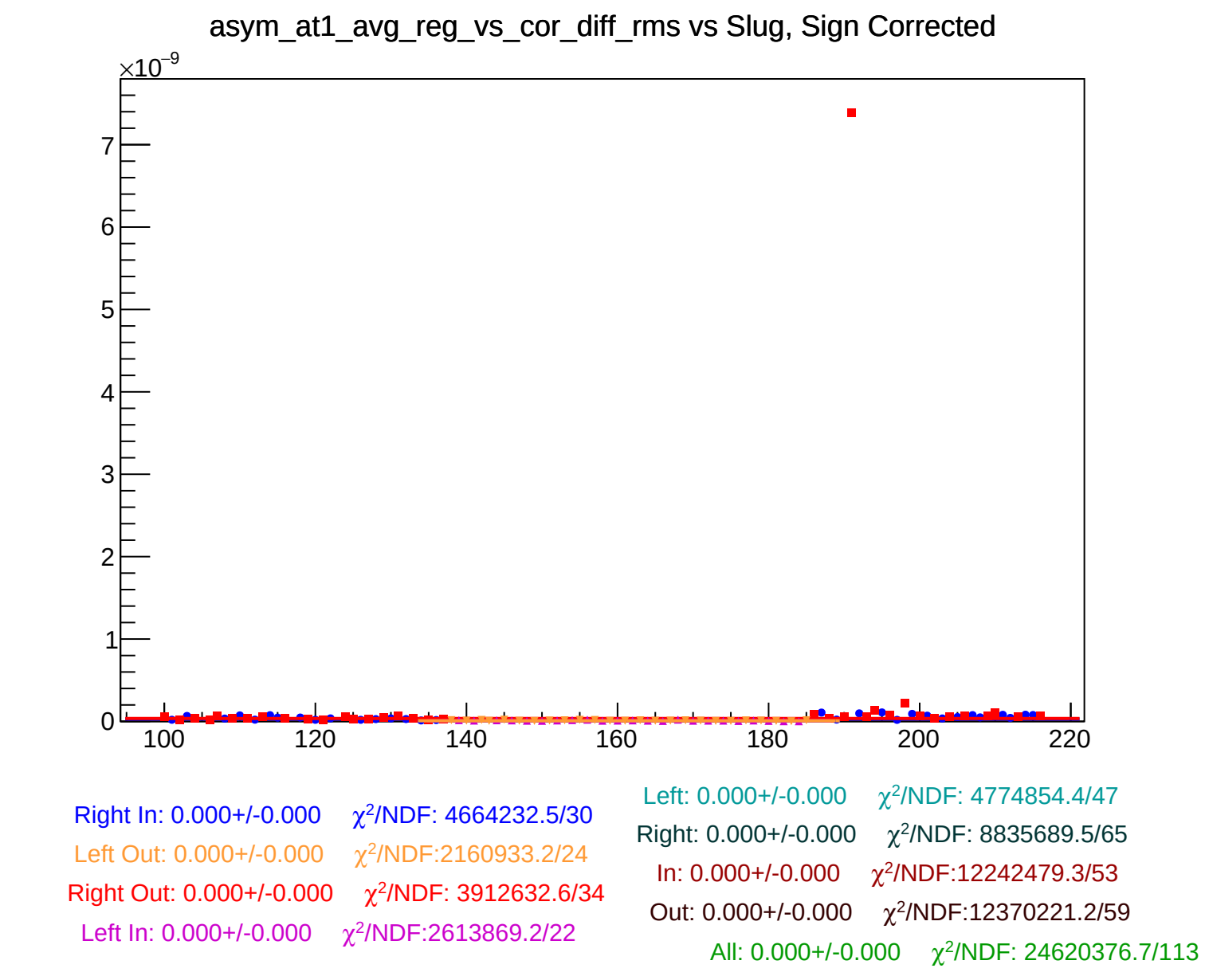
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 67.4/65

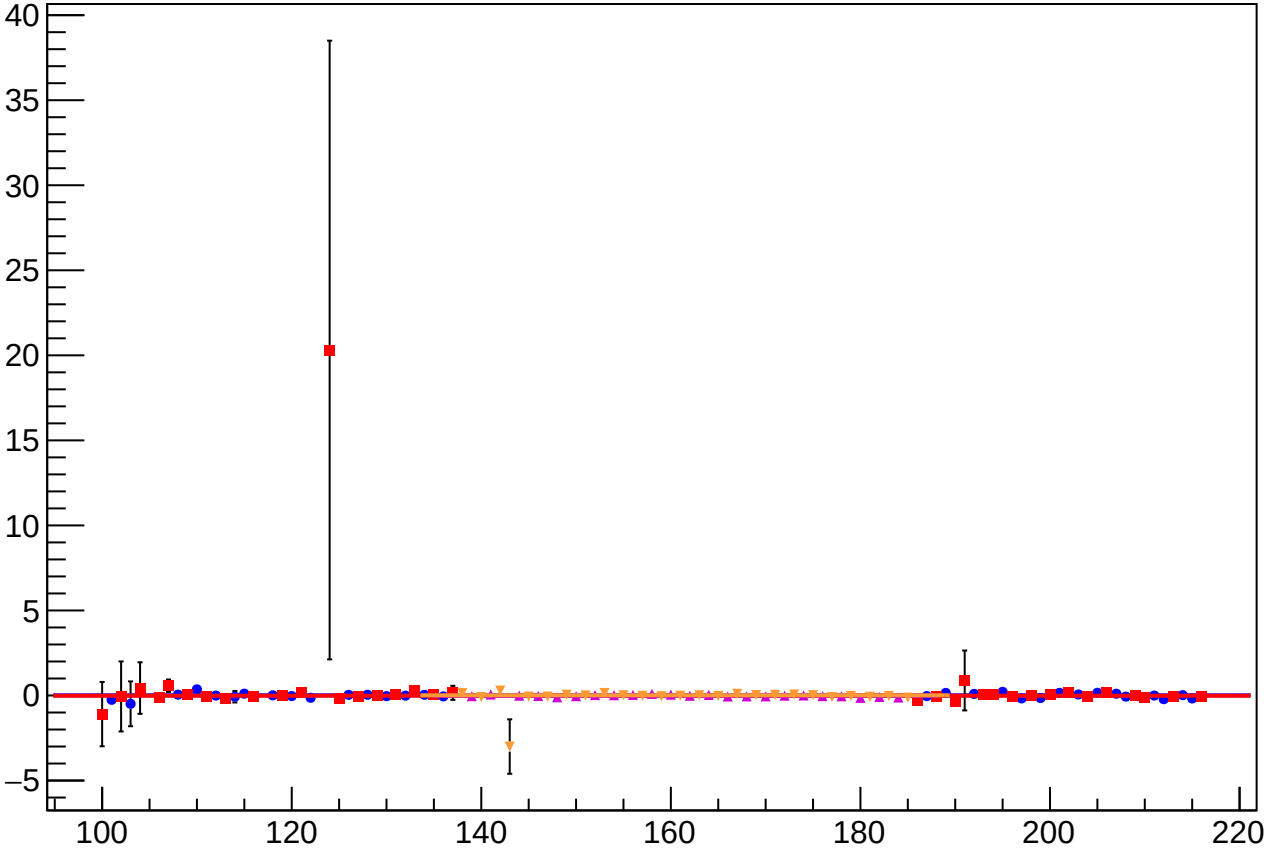
In: -0.000+/-0.000 χ^2/NDF:67.5/53

Out: 0.000+/-0.000 χ^2/NDF:61.0/59

All: -0.000+/-0.000 χ^2/NDF: 129.1/113


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: 3912632.6/34
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: 8835689.5/65
In: 0.000+/-0.000 χ²/NDF:12242479.3/53
Out: 0.000+/-0.000 χ²/NDF:12370221.2/59
All: 0.000+/-0.000 χ²/NDF: 24620376.7/113

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: -0.012+/-0.018 χ^2/NDF: 31.8/34

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

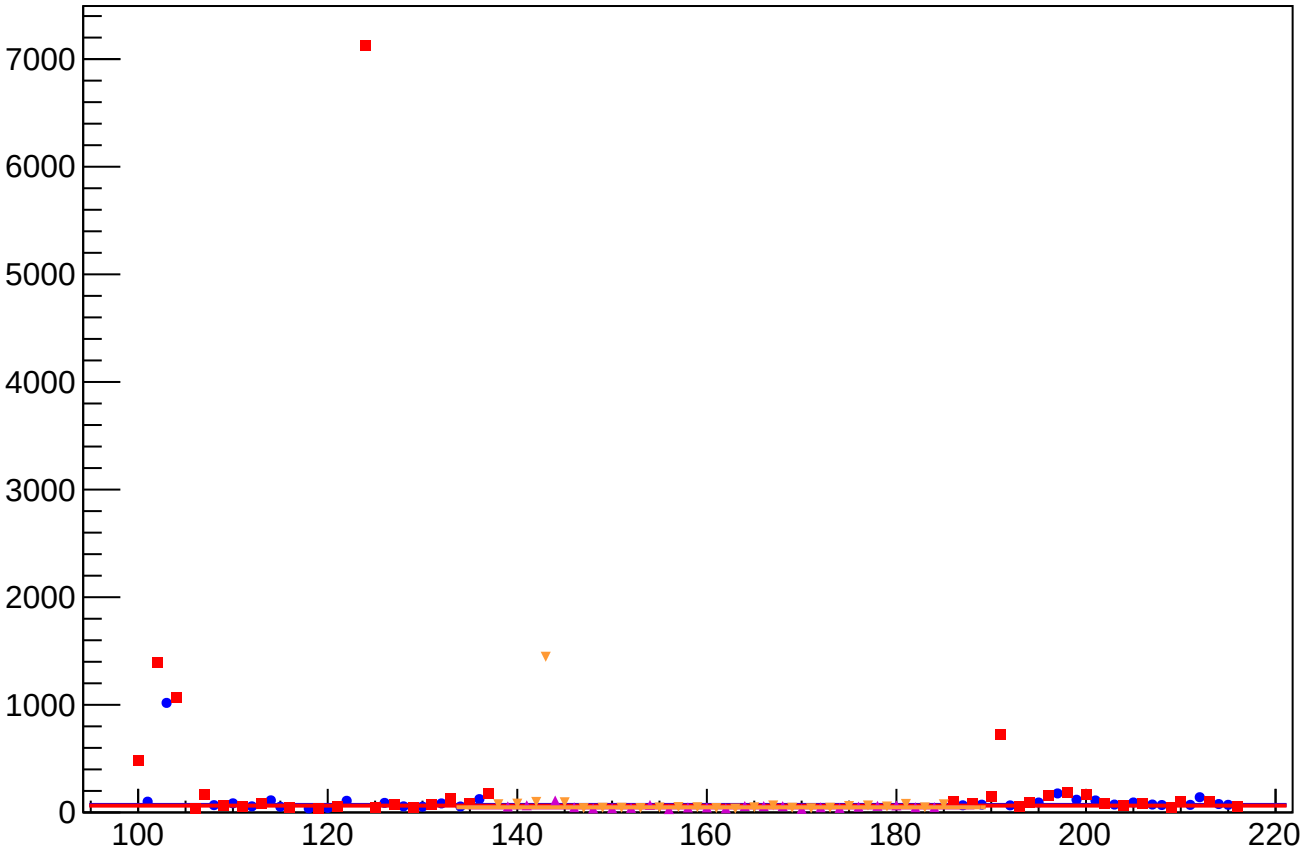
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.001+/-0.013 χ^2/NDF: 63.8/65

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.004+/-0.010 χ^2/NDF:62.5/59

All: -0.003+/-0.007 χ^2/NDF: 116.6/113



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: 63.465+/-0.013 χ^2/NDF: 6793028.2/34

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

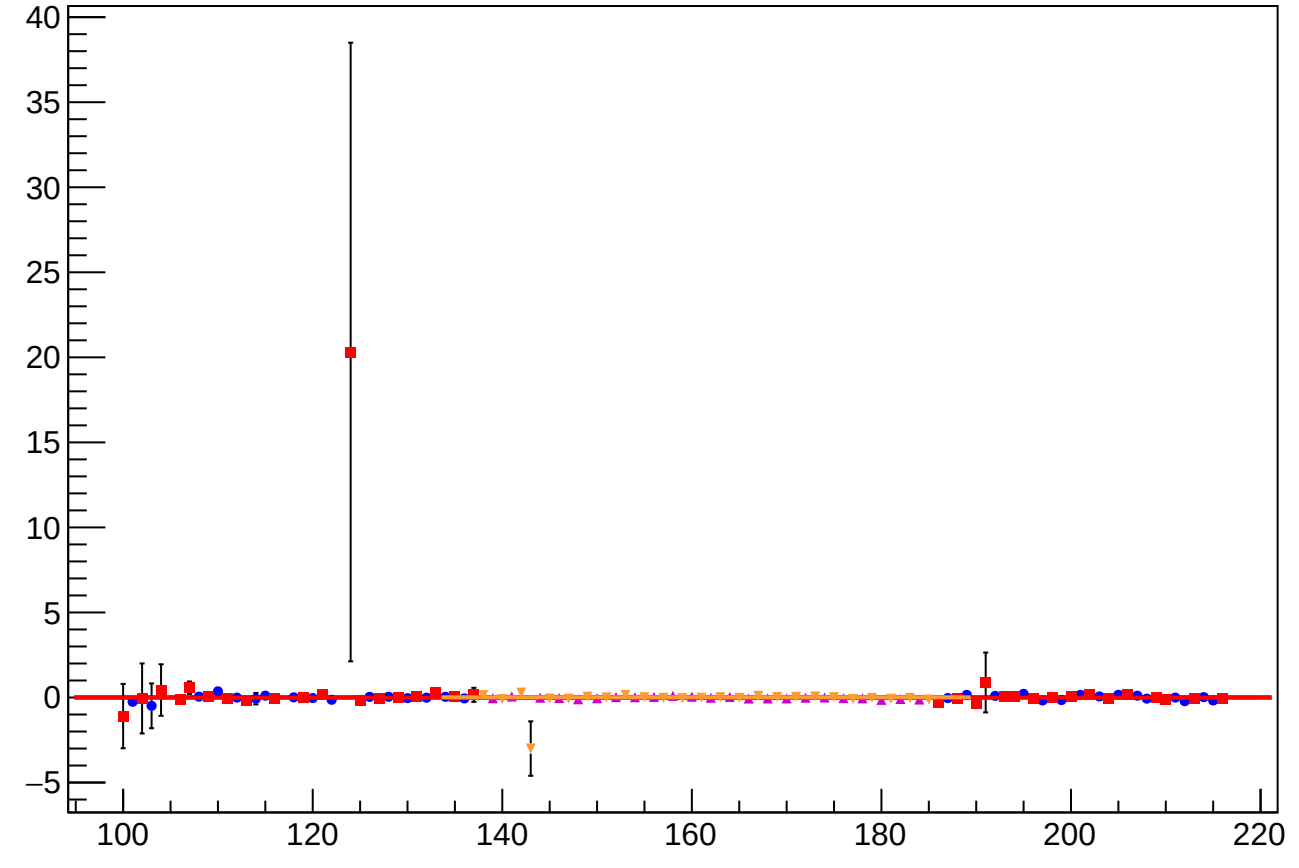
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.573+/-0.009 χ^2/NDF: 11143748.0/65

In: 53.631+/-0.007 χ^2/NDF:8287931.2/53

Out: 52.844+/-0.007 χ^2/NDF:11283489.2/59

All: 53.237+/-0.005 χ^2/NDF: 19577282.4/113



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: -0.012+/-0.018 χ^2/NDF: 31.8/34

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

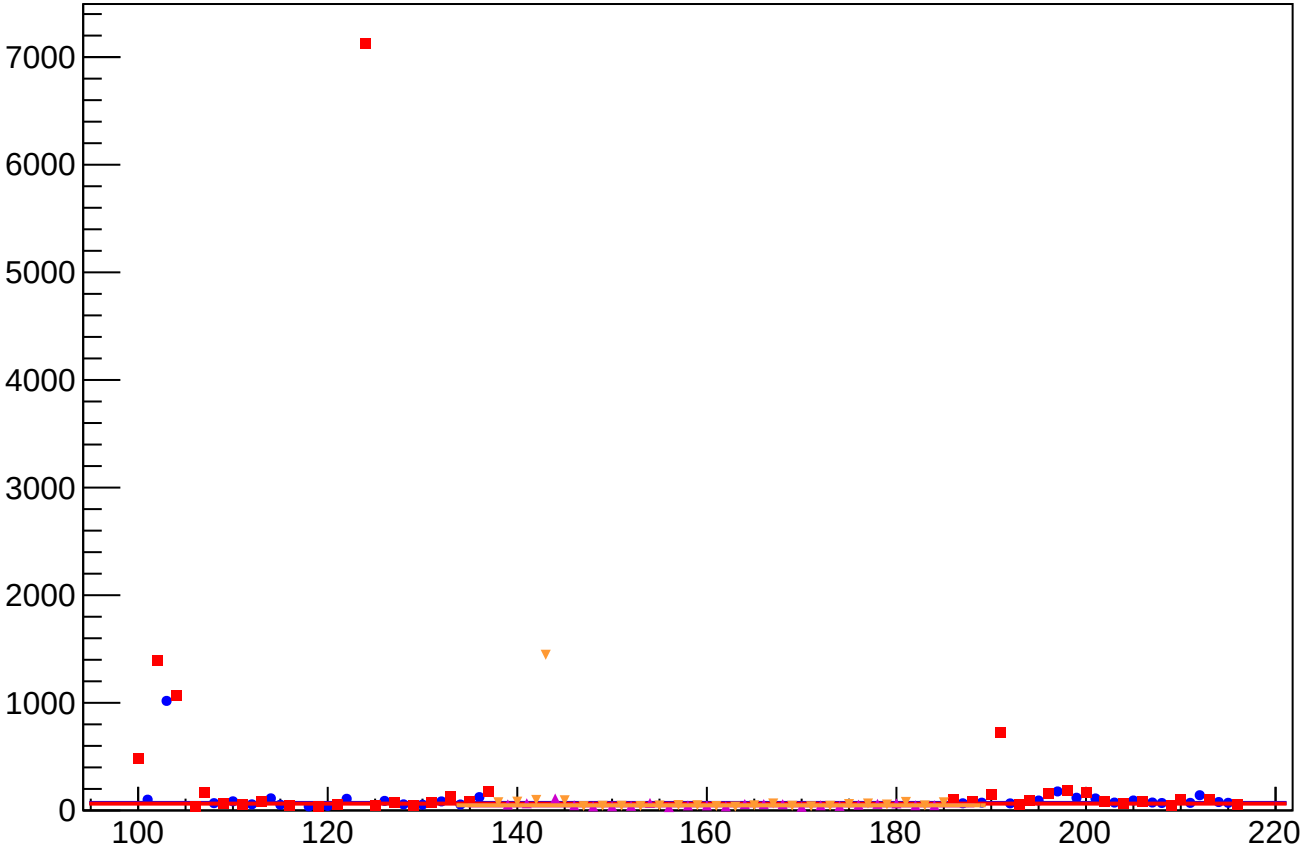
Right: -0.001+/-0.013 χ^2/NDF: 63.8/65

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.004+/-0.010 χ^2/NDF:62.5/59

All: -0.003+/-0.007 χ^2/NDF: 116.6/113

asym_at1_avg_dit_vs_eigen_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: 63.465+/-0.013 χ^2/NDF: 6793028.2/34

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

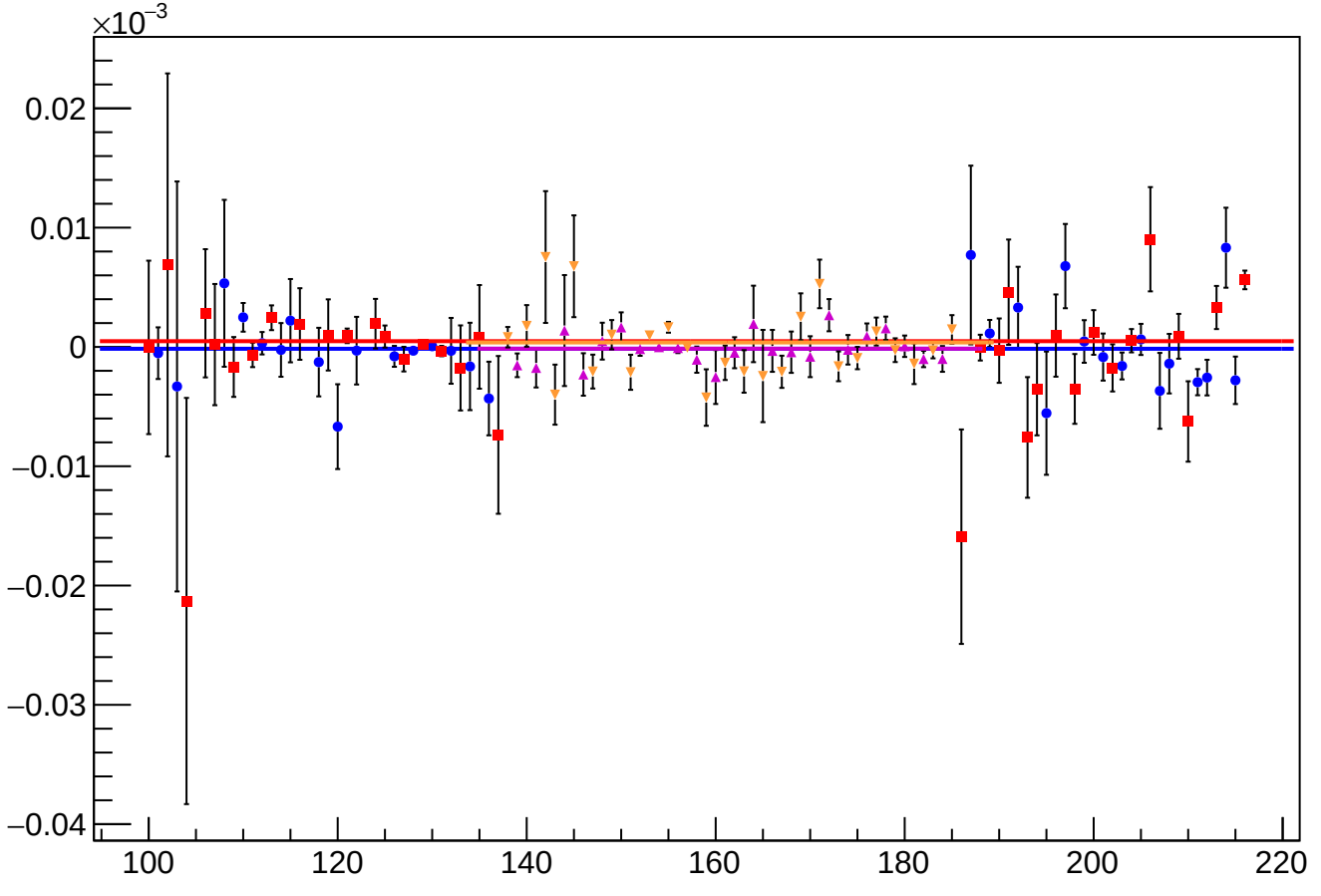
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.573+/-0.009 χ^2/NDF: 11143748.0/65

In: 53.631+/-0.007 χ^2/NDF:8287931.2/53

Out: 52.844+/-0.007 χ^2/NDF:11283489.2/59

All: 53.237+/-0.005 χ^2/NDF: 19577282.4/113



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: 82.6/34

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

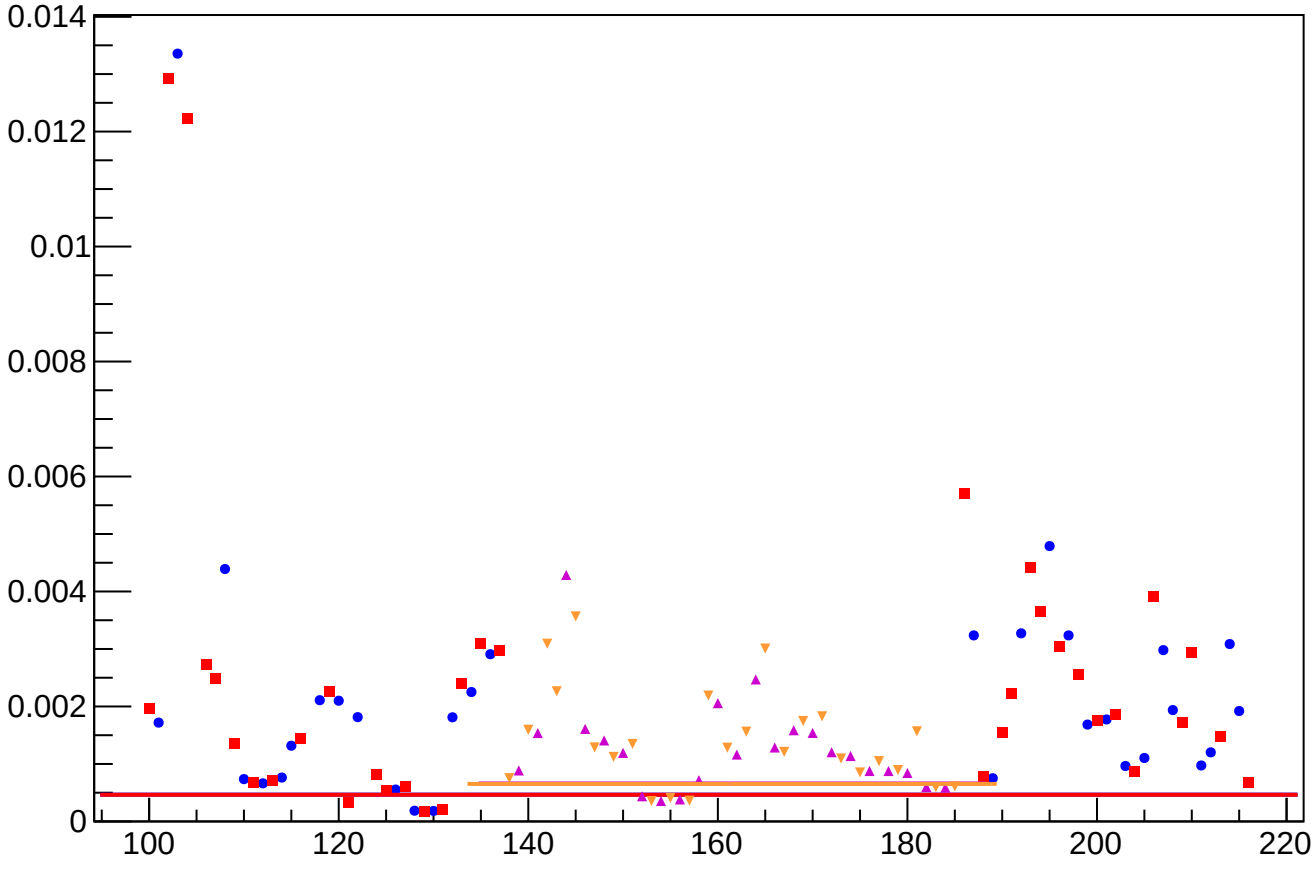
Right: 0.000+/-0.000 χ^2/NDF: 131.6/65

In: -0.000+/-0.000 χ^2/NDF:62.3/53

Out: 0.000+/-0.000 χ^2/NDF:134.5/59

All: 0.000+/-0.000 χ^2/NDF: 207.2/113

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 21658002.0/34

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

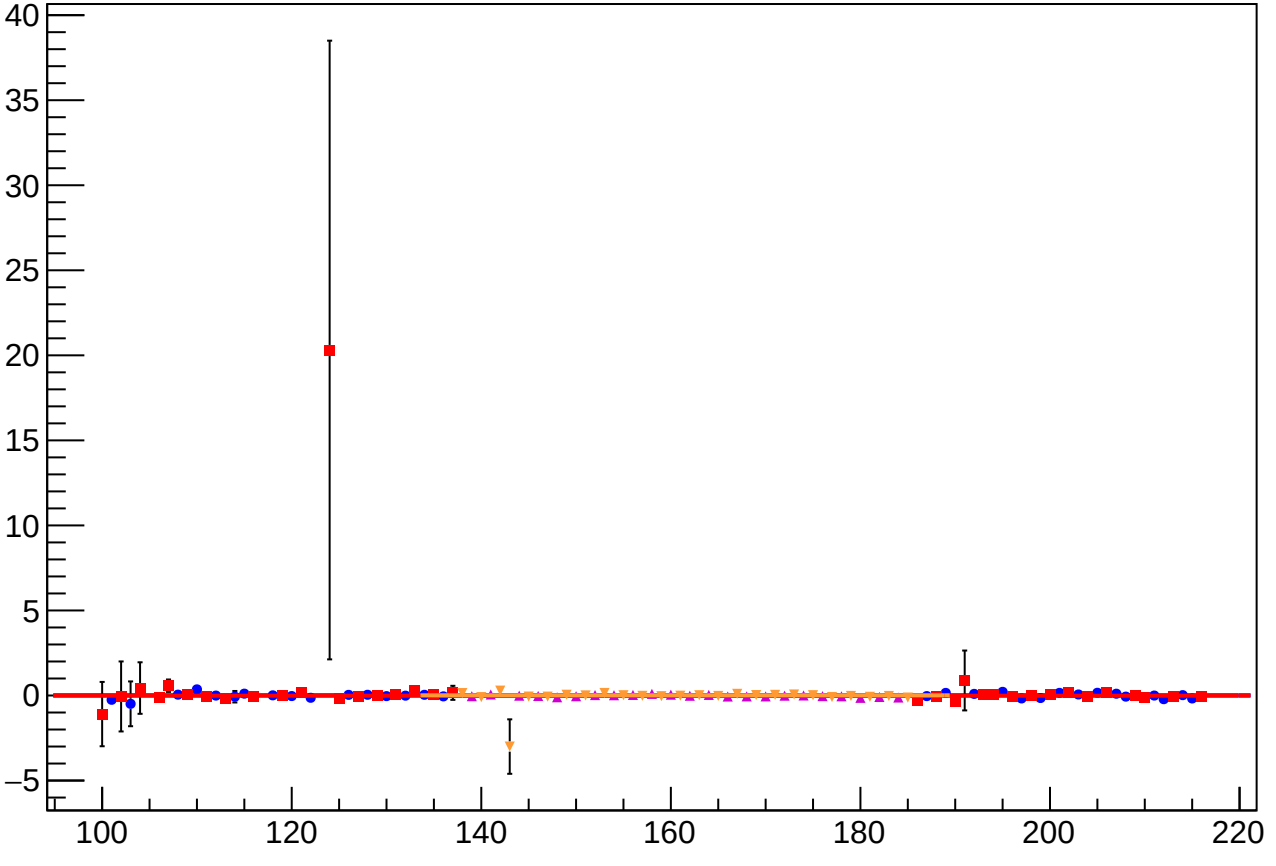
Right: 0.000+/-0.000 χ^2/NDF: 43954812.6/65

In: 0.001+/-0.000 χ^2/NDF:33119480.6/53

Out: 0.001+/-0.000 χ^2/NDF:34856712.6/59

All: 0.001+/-0.000 χ^2/NDF: 67976651.9/113

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: -0.012+/-0.018 χ^2/NDF: 31.8/34

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

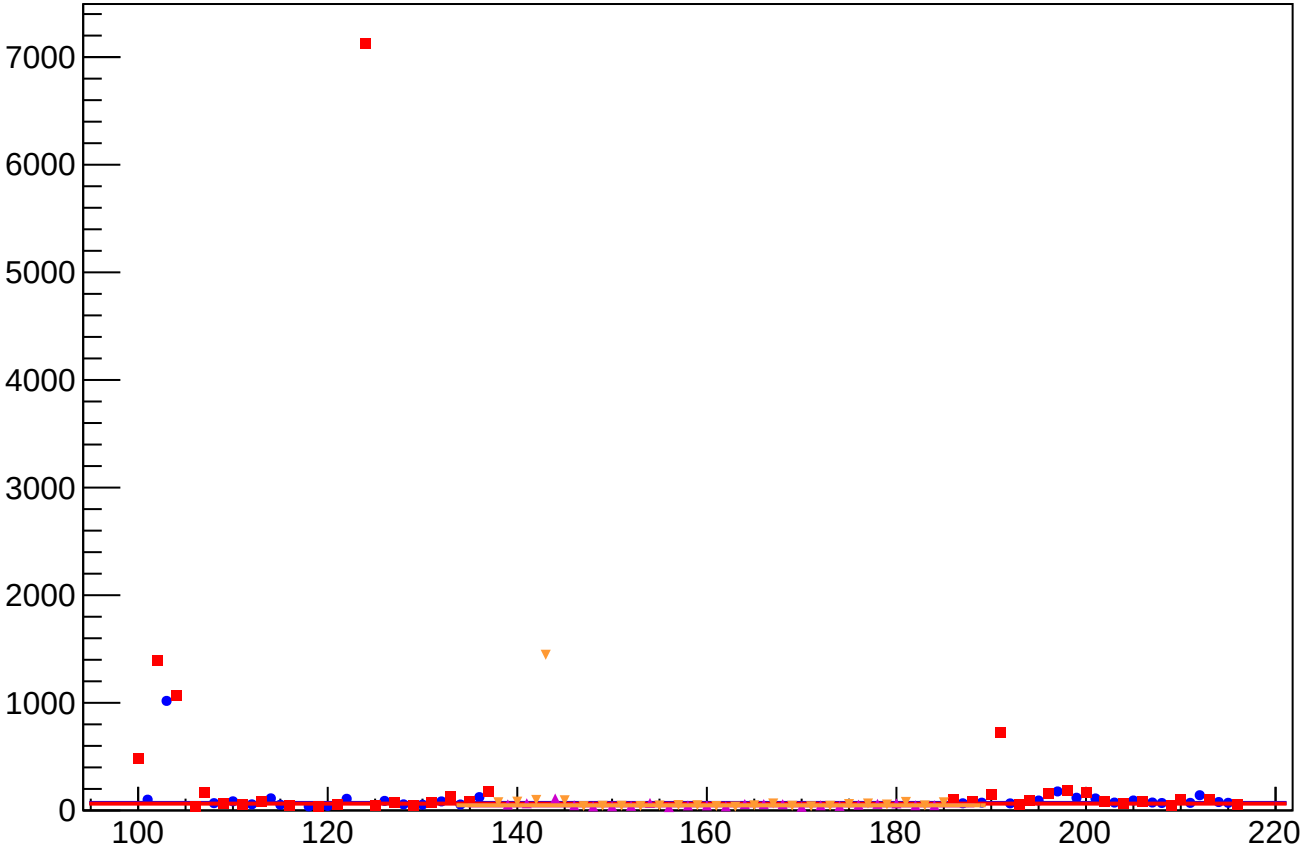
Right: -0.001+/-0.013 χ^2/NDF: 63.8/65

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.004+/-0.010 χ^2/NDF:62.5/59

All: -0.003+/-0.007 χ^2/NDF: 116.6/113

asym_at1_avg_eigen_dit_vs_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: 63.464+/-0.013 χ^2/NDF: 6793242.1/34

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

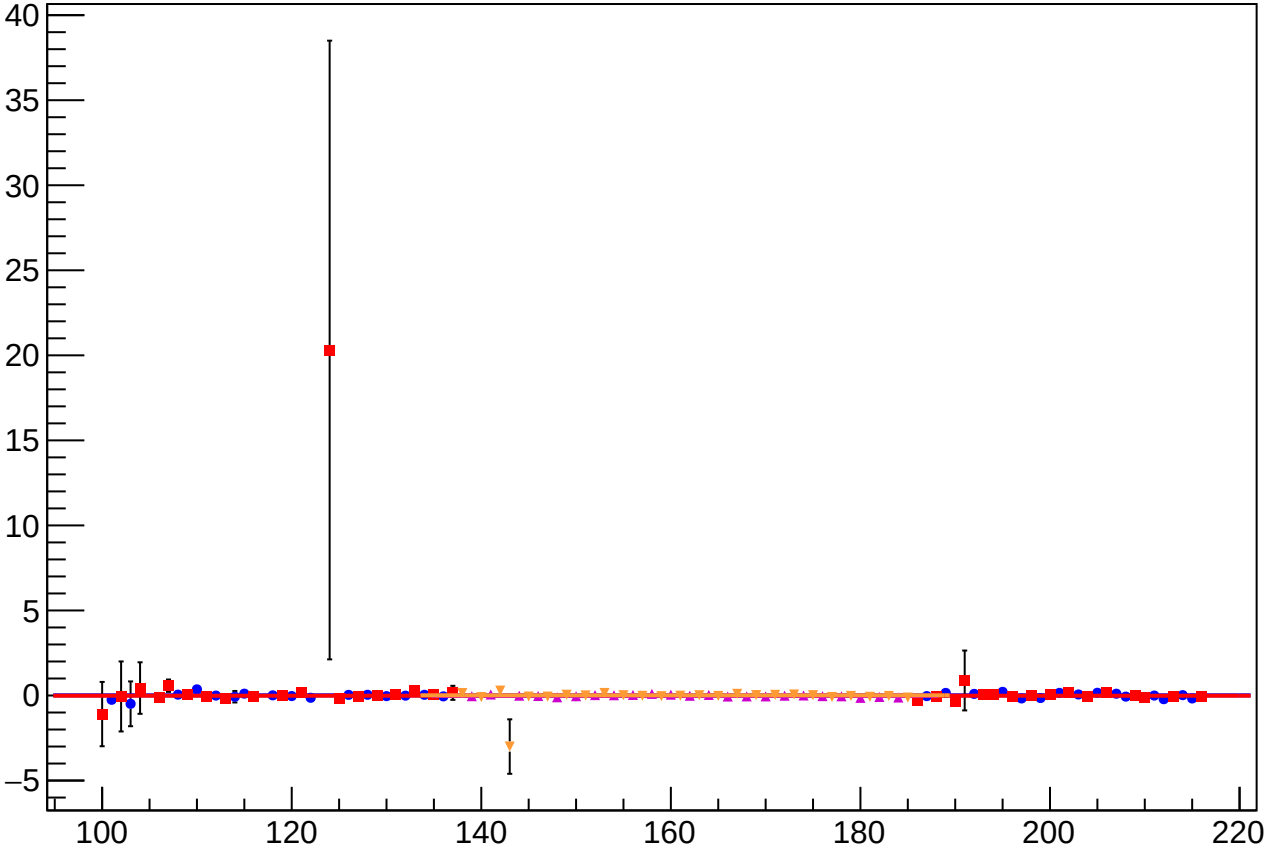
Right: 66.573+/-0.009 χ^2/NDF: 11144058.5/65

In: 53.631+/-0.007 χ^2/NDF:8288018.1/53

Out: 52.844+/-0.007 χ^2/NDF:11283561.1/59

All: 53.237+/-0.005 χ^2/NDF: 19577441.9/113

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: -0.012+/-0.018 χ^2/NDF: 31.8/34

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

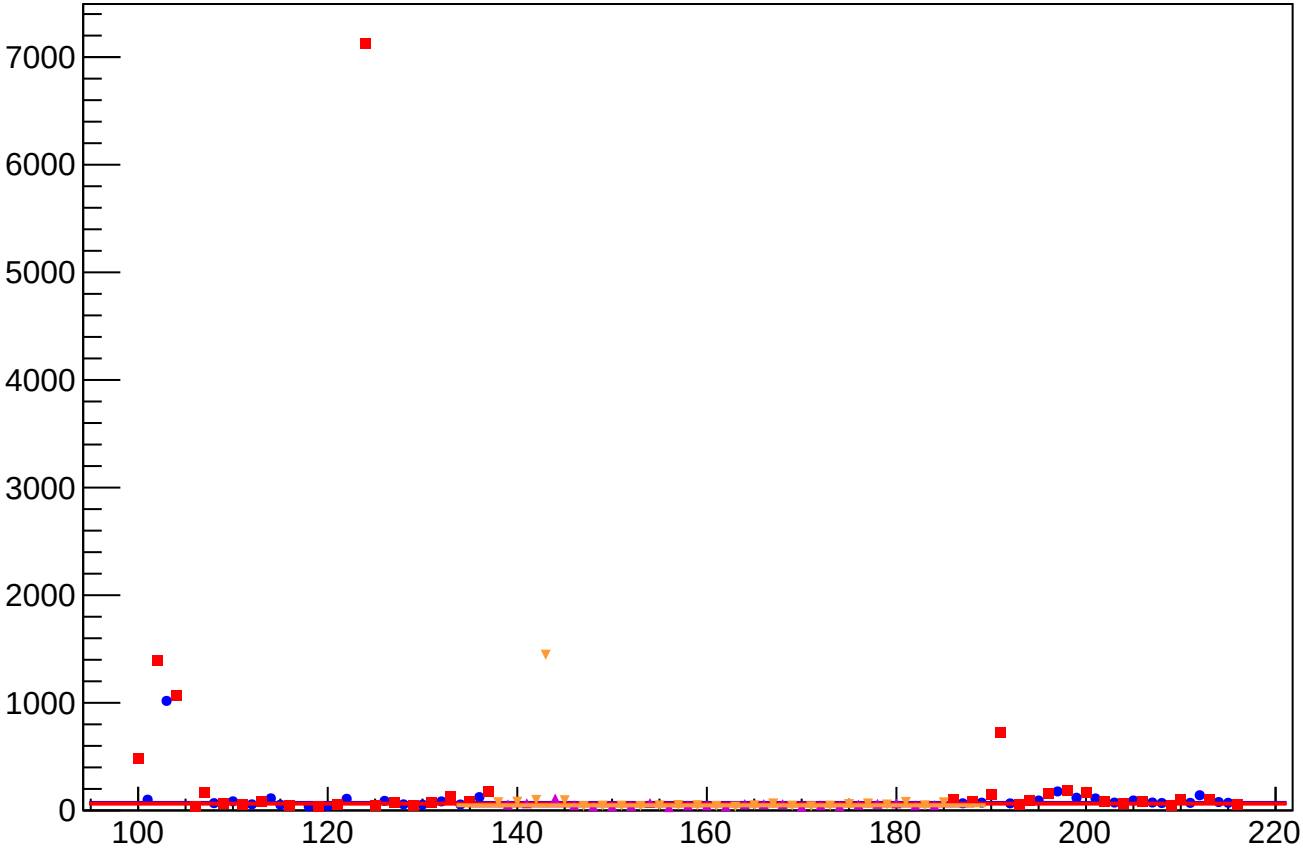
Right: -0.001+/-0.013 χ^2/NDF: 63.8/65

In: -0.009+/-0.010 χ^2/NDF:53.2/53

Out: 0.004+/-0.010 χ^2/NDF:62.5/59

All: -0.003+/-0.007 χ^2/NDF: 116.6/113

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: 63.464+/-0.013 χ^2/NDF: 6793242.1/34

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

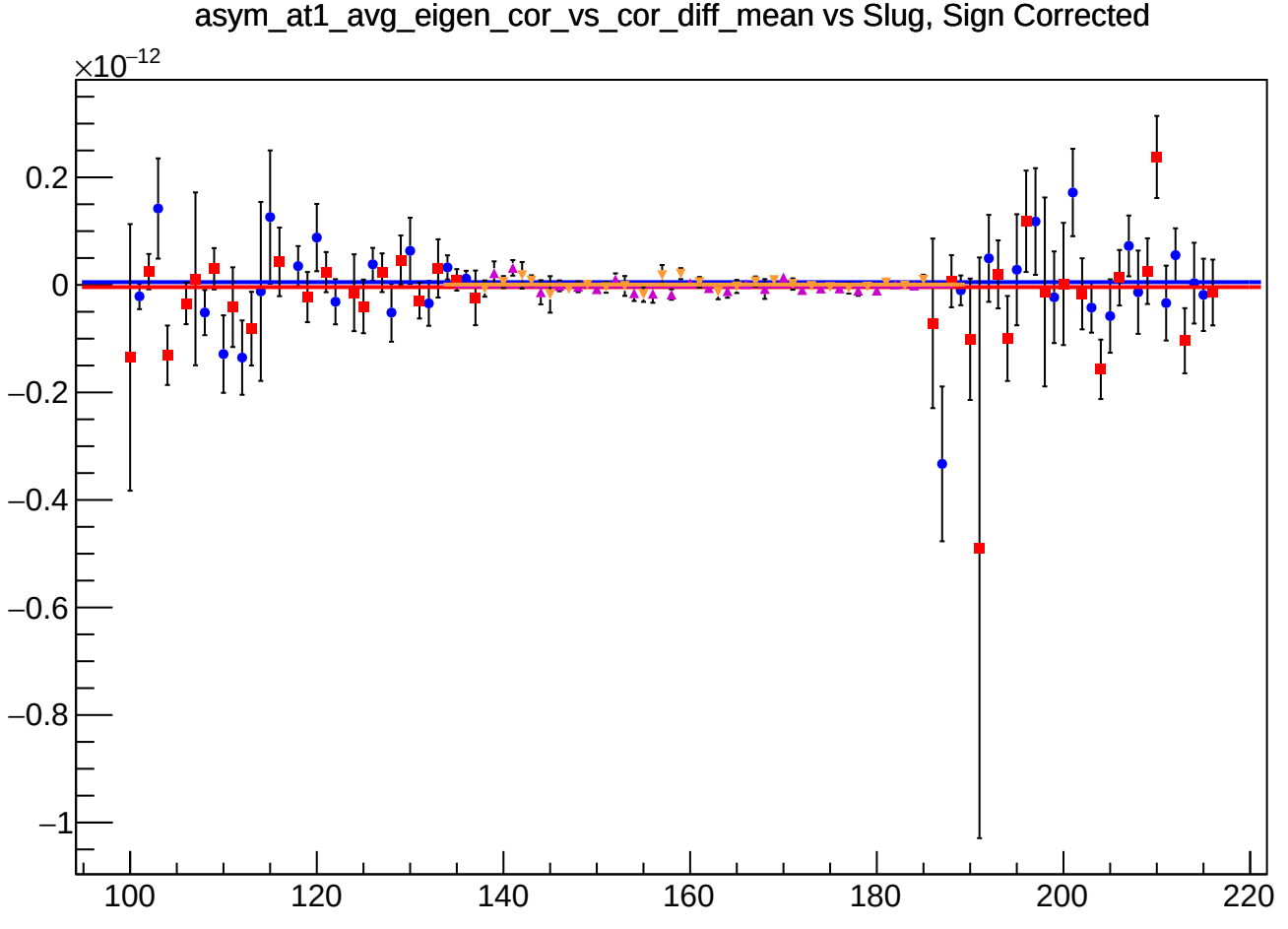
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.573+/-0.009 χ^2/NDF: 11144058.5/65

In: 53.631+/-0.007 χ^2/NDF:8288018.1/53

Out: 52.844+/-0.007 χ^2/NDF:11283561.1/59

All: 53.237+/-0.005 χ^2/NDF: 19577441.9/113



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: 40.3/34

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

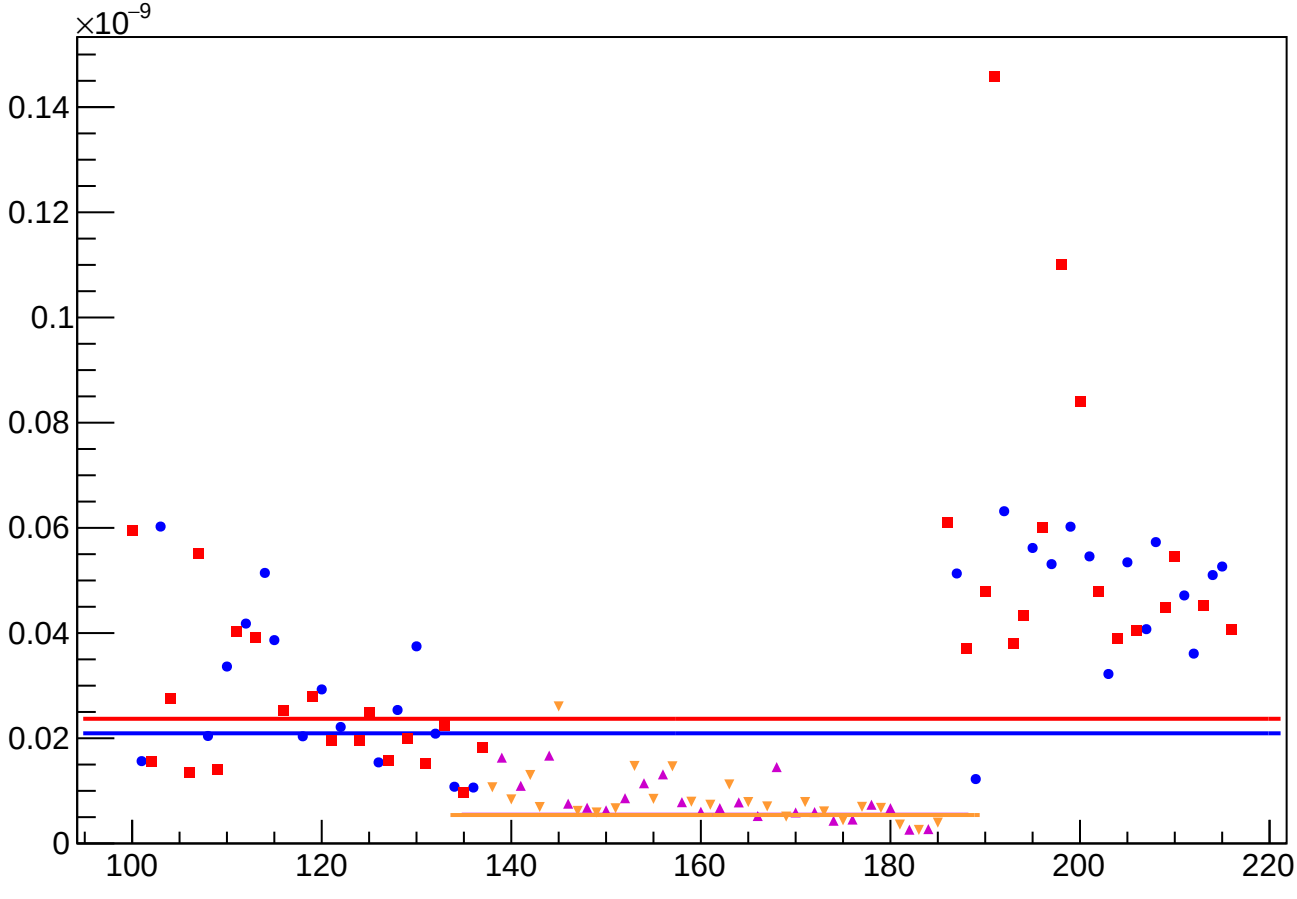
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 80.1/65

In: -0.000+/-0.000 χ^2/NDF:62.0/53

Out: 0.000+/-0.000 χ^2/NDF:55.7/59

All: -0.000+/-0.000 χ^2/NDF: 118.9/113



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: 5651699.0/34

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

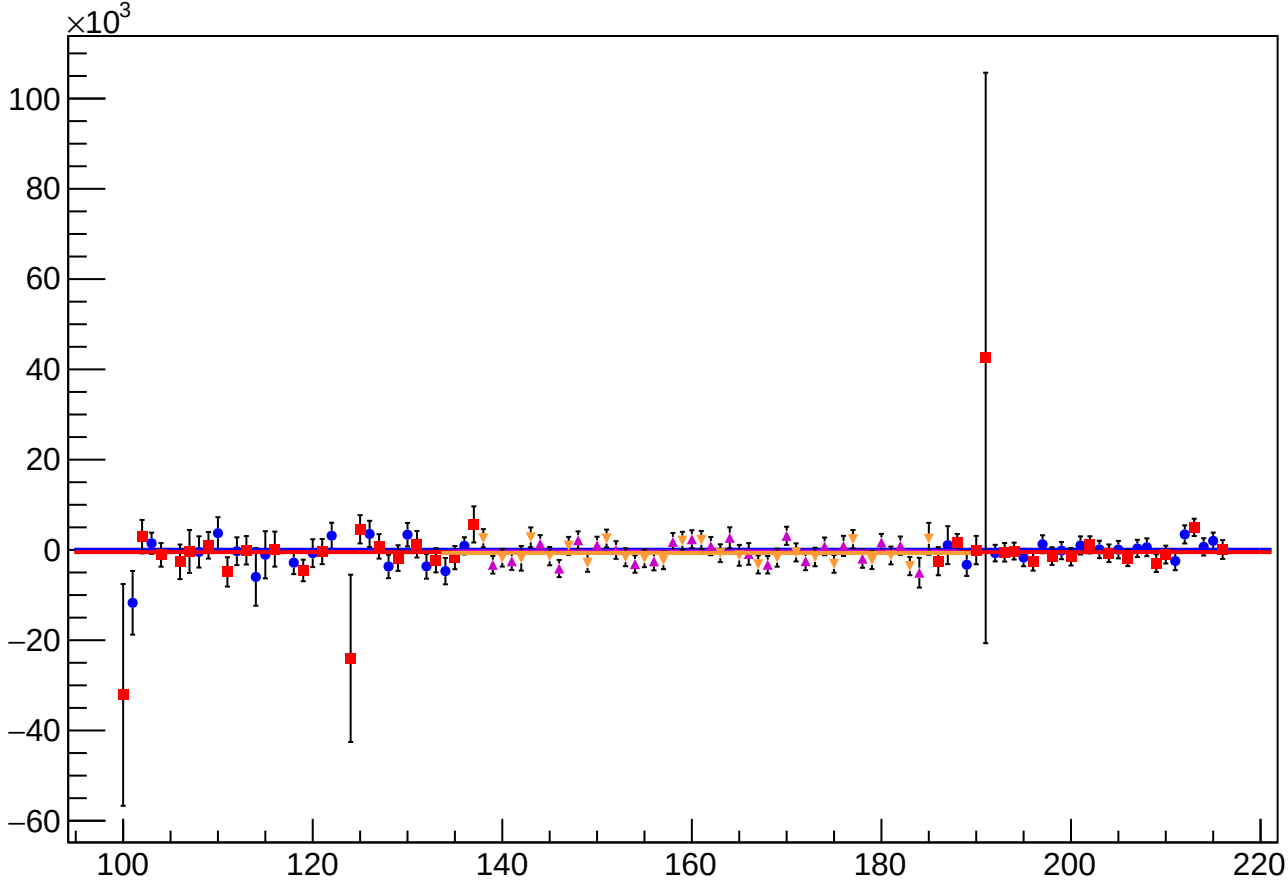
Right: 0.000+/-0.000 χ^2/NDF: 12767429.8/65

In: 0.000+/-0.000 χ^2/NDF:19868274.1/53

Out: 0.000+/-0.000 χ^2/NDF:19516520.2/59

All: 0.000+/-0.000 χ^2/NDF: 39394587.4/113

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: -489.668+/-426.906 χ^2/NDF: 30.8/34

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

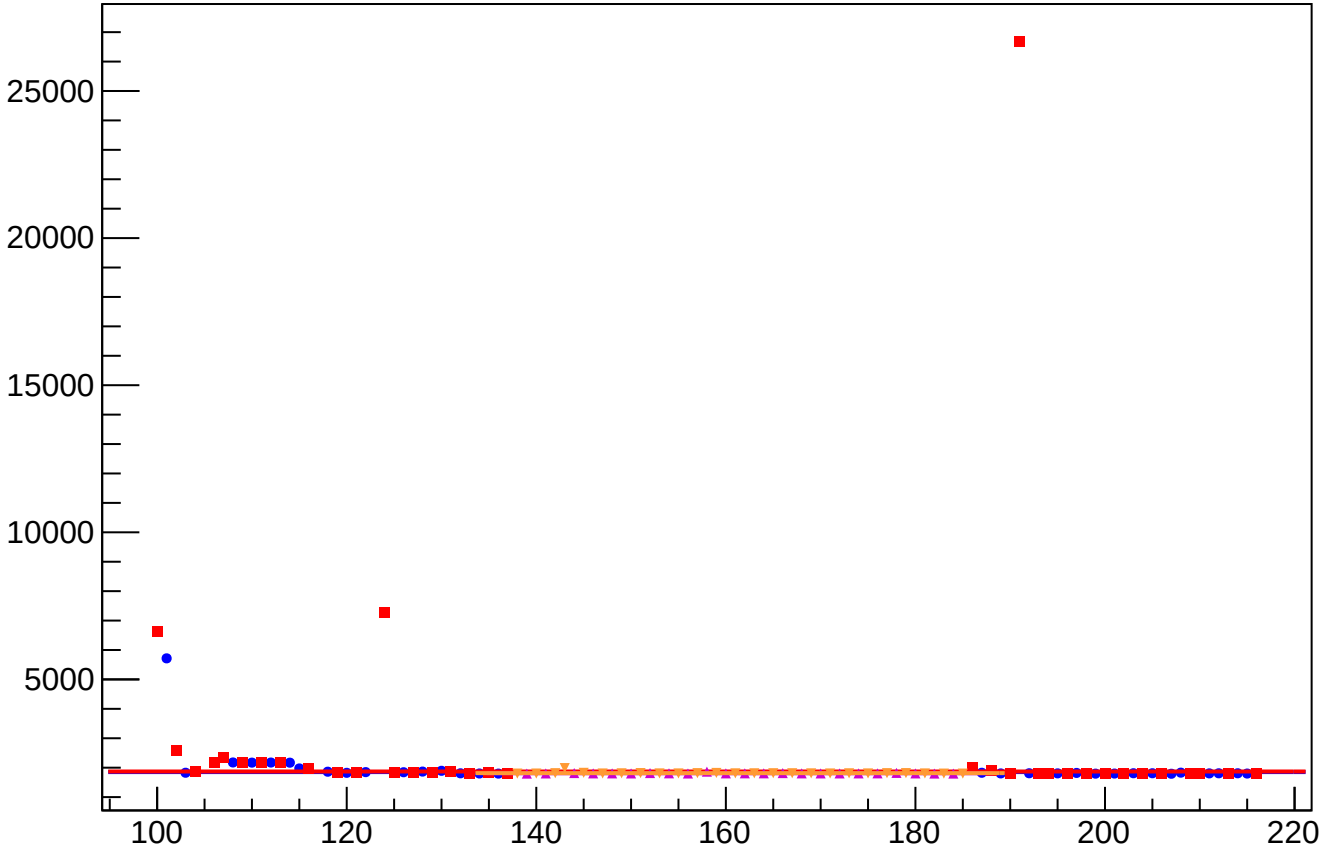
Right: -220.960+/-301.147 χ^2/NDF: 58.2/65

In: -149.865+/-299.664 χ^2/NDF:57.1/53

Out: -583.013+/-296.534 χ^2/NDF:55.6/59

All: -368.713+/-210.779 χ^2/NDF: 113.8/113

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: 1870.398+/-0.302 χ^2/NDF: 757392.9/34

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

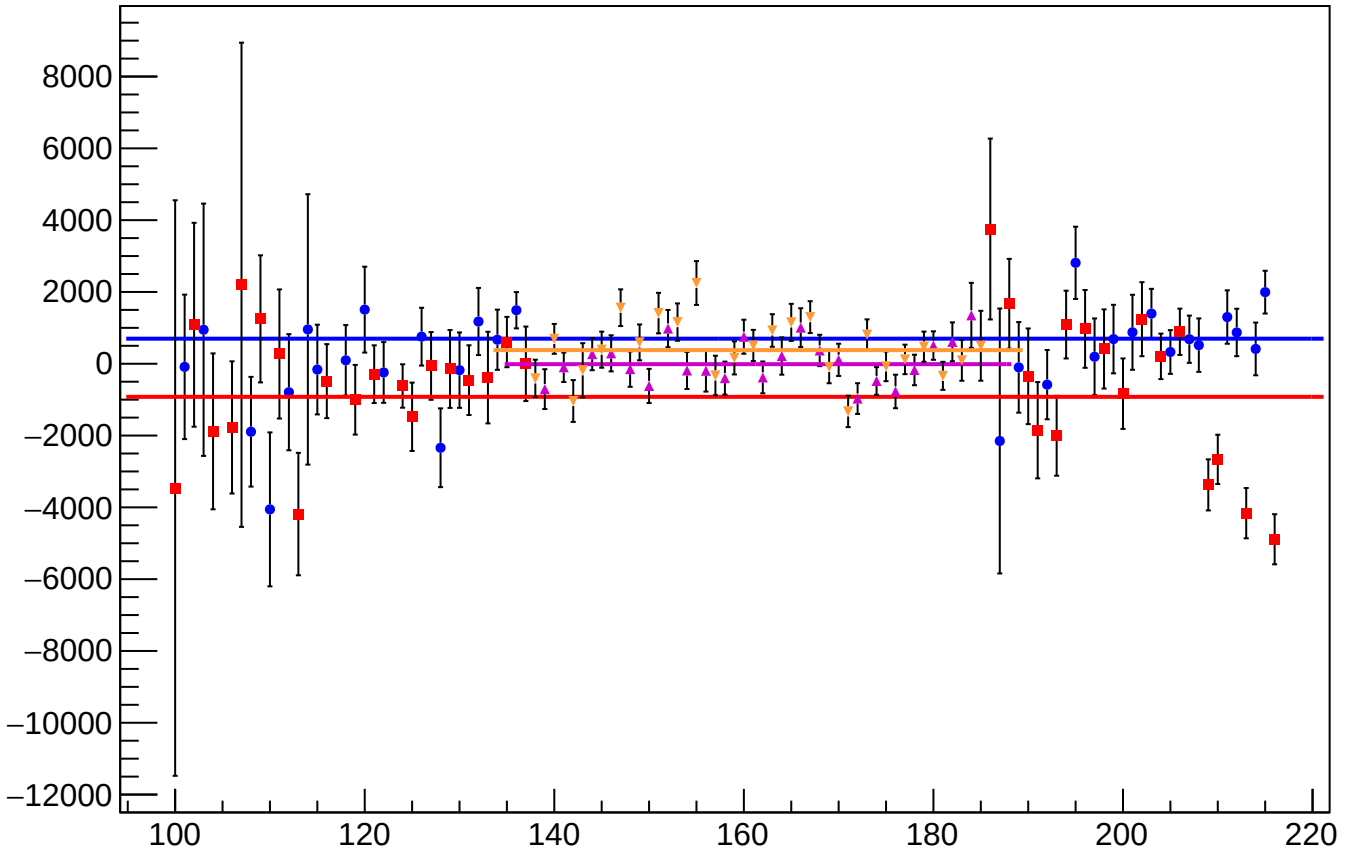
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1860.304+/-0.213 χ^2/NDF: 1439340.8/65

In: 1830.280+/-0.212 χ^2/NDF:690530.4/53

Out: 1841.436+/-0.210 χ^2/NDF:788282.0/59

All: 1835.917+/-0.149 χ^2/NDF: 1480213.0/11



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: -921.731+/-166.133 χ^2/NDF: 121.4/34

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

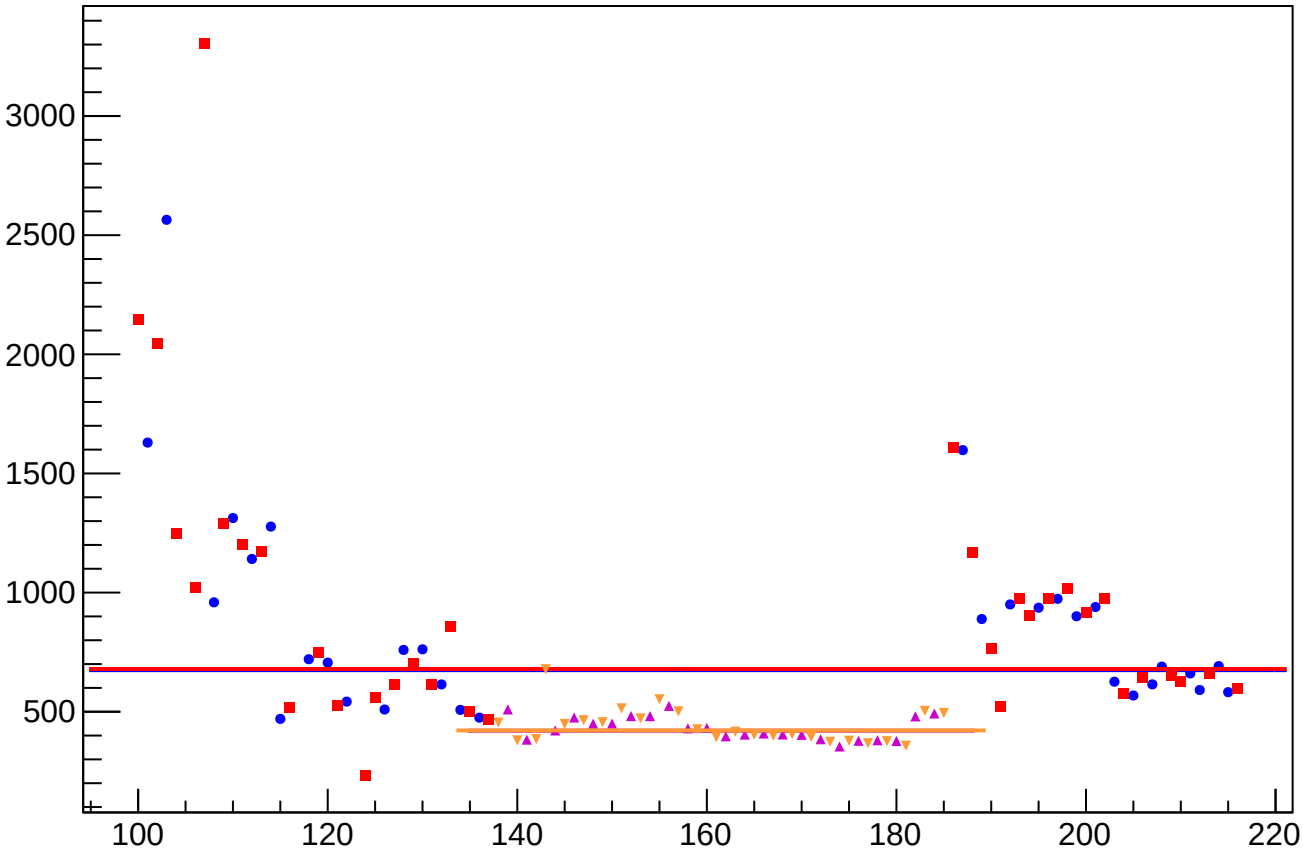
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -89.282+/-115.843 χ^2/NDF: 207.2/65

In: 182.138+/-84.405 χ^2/NDF:82.1/53

Out: 48.507+/-83.775 χ^2/NDF:229.5/59

All: 114.822+/-59.460 χ^2/NDF: 312.8/113



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: 679.402+/-0.117 χ^2/NDF: 4728200.1/34

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

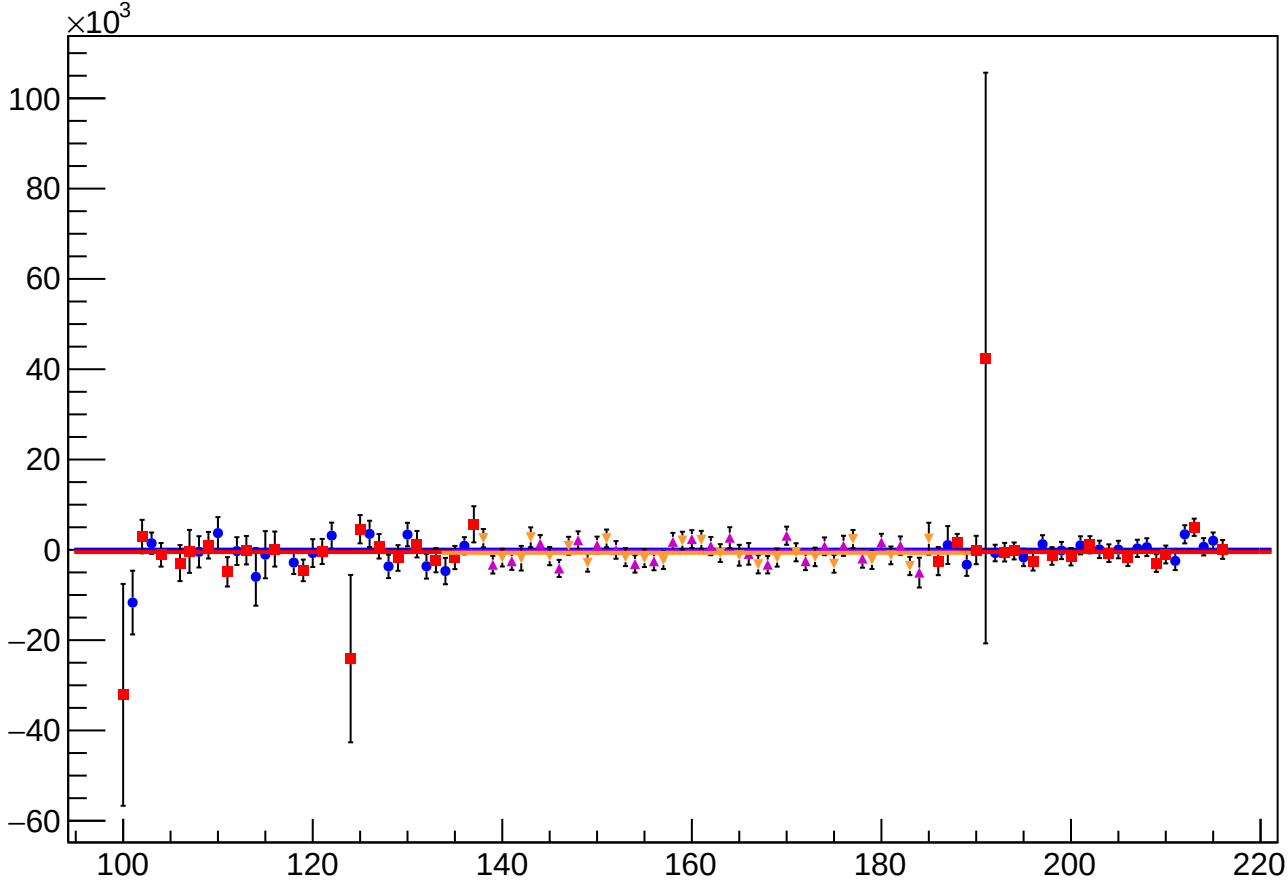
Right: 676.913+/-0.082 χ^2/NDF: 7888875.0/65

In: 489.594+/-0.060 χ^2/NDF:7175046.6/53

Out: 487.018+/-0.059 χ^2/NDF:9067735.7/59

All: 488.297+/-0.042 χ^2/NDF: 16243720.5/11

cor_asym_at1_dd_mean vs Slug, Sign Corrected



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: -491.082+/-427.116 χ^2/NDF: 30.9/34

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

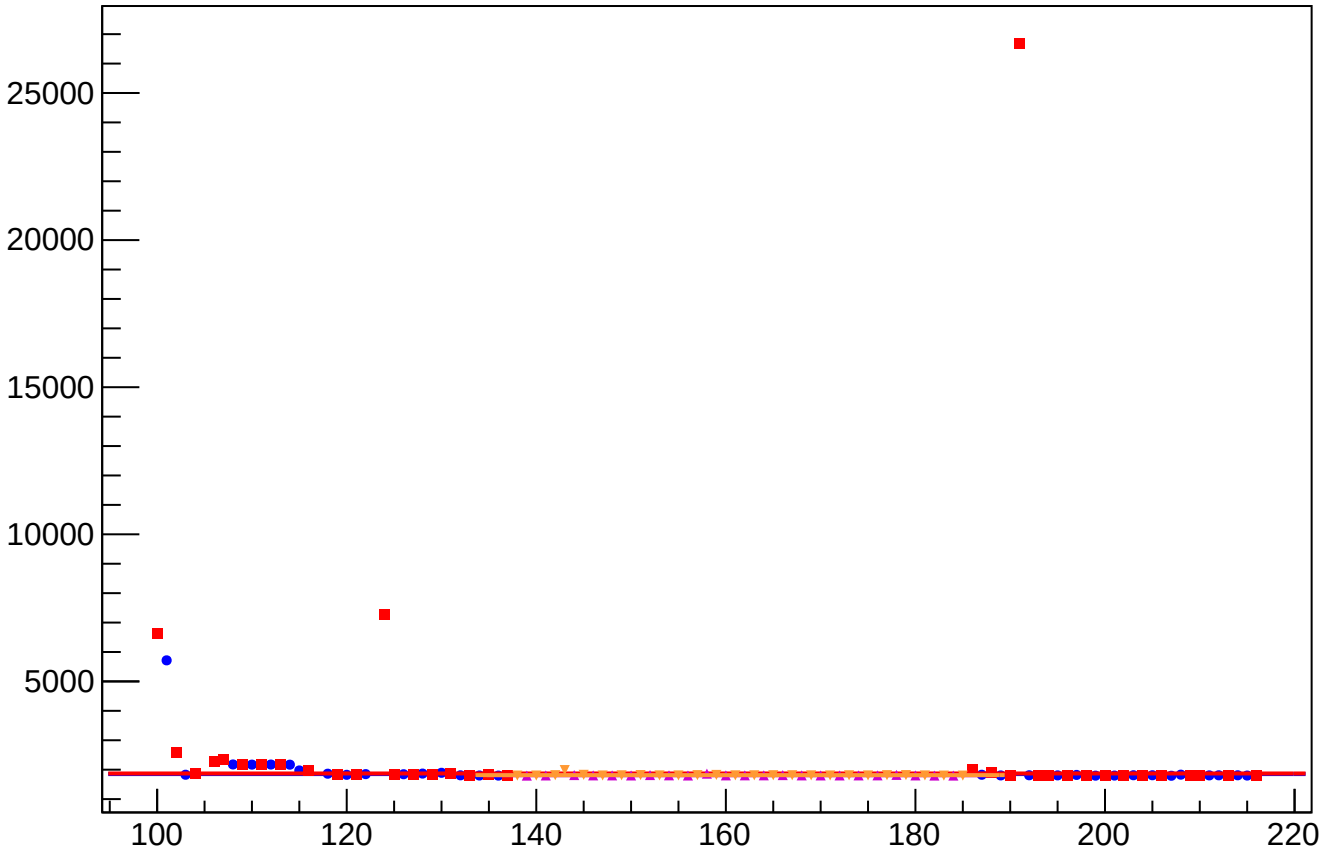
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -221.367+/-301.221 χ^2/NDF: 58.2/65

In: -149.724+/-299.664 χ^2/NDF:57.1/53

Out: -583.735+/-296.604 χ^2/NDF:55.7/59

All: -368.956+/-210.804 χ^2/NDF: 113.8/113



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: 1871.025+/-0.302 χ^2/NDF: 763666.8/34

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

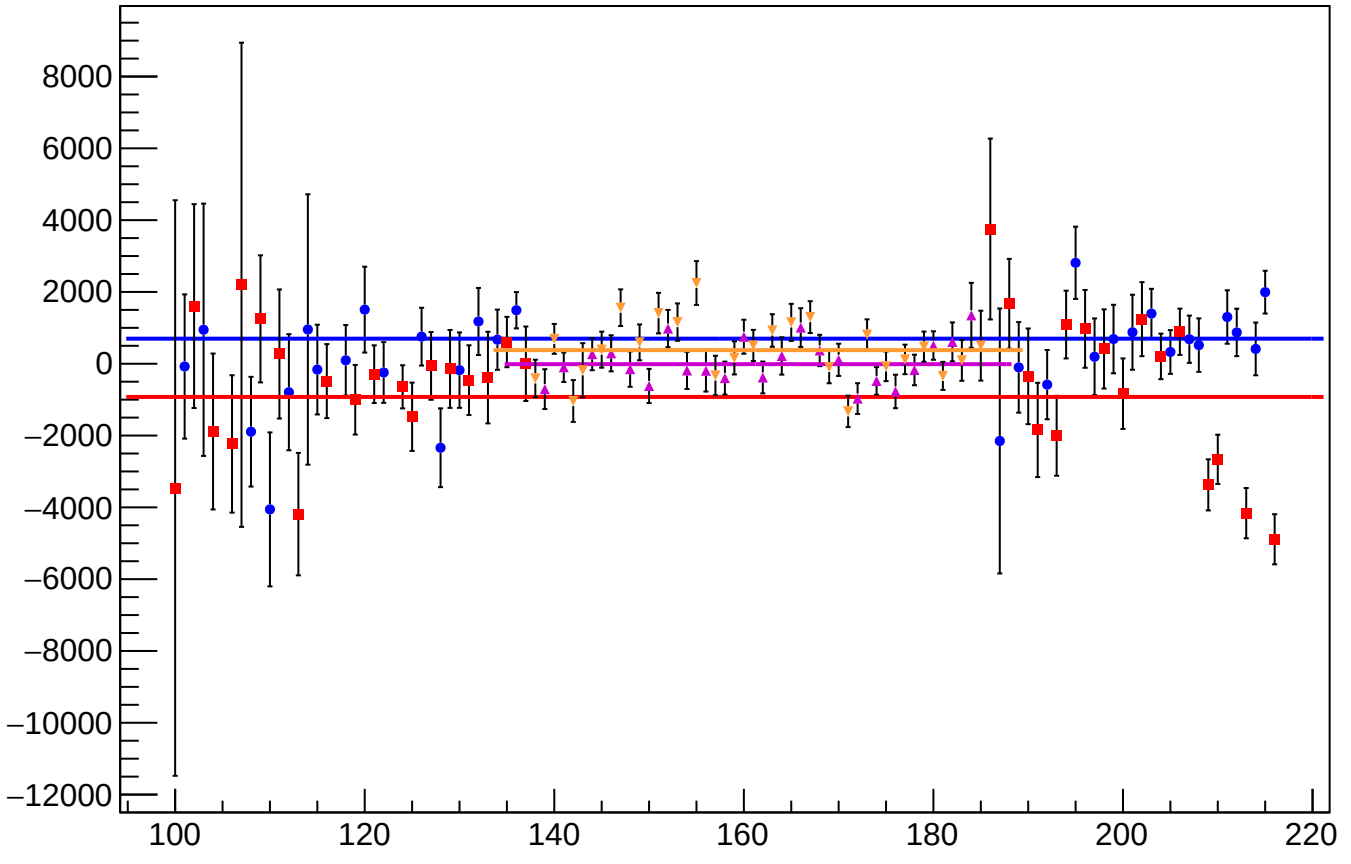
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1860.611+/-0.213 χ^2/NDF: 1445754.5/65

In: 1830.280+/-0.212 χ^2/NDF:690530.3/53

Out: 1841.725+/-0.210 χ^2/NDF:794947.5/59

All: 1836.061+/-0.149 χ^2/NDF: 1486951.5/11



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: -924.799+/-166.037 χ^2/NDF: 122.0/34

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

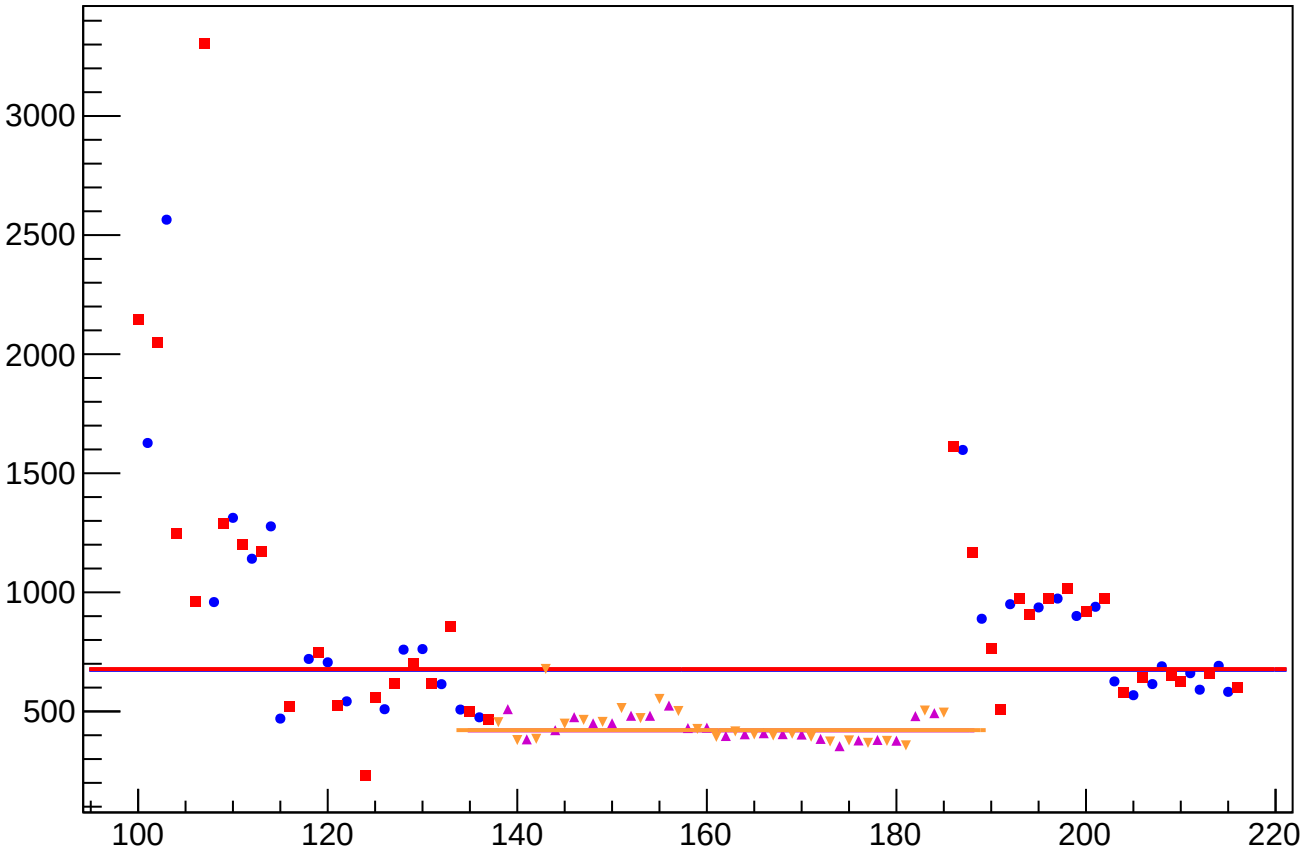
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -91.196+/-115.810 χ^2/NDF: 208.0/65

In: 182.151+/-84.404 χ^2/NDF:82.1/53

Out: 47.428+/-83.764 χ^2/NDF:230.3/59

All: 114.276+/-59.455 χ^2/NDF: 313.6/113



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: 677.826+/-0.117 χ^2/NDF: 4735548.5/34

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

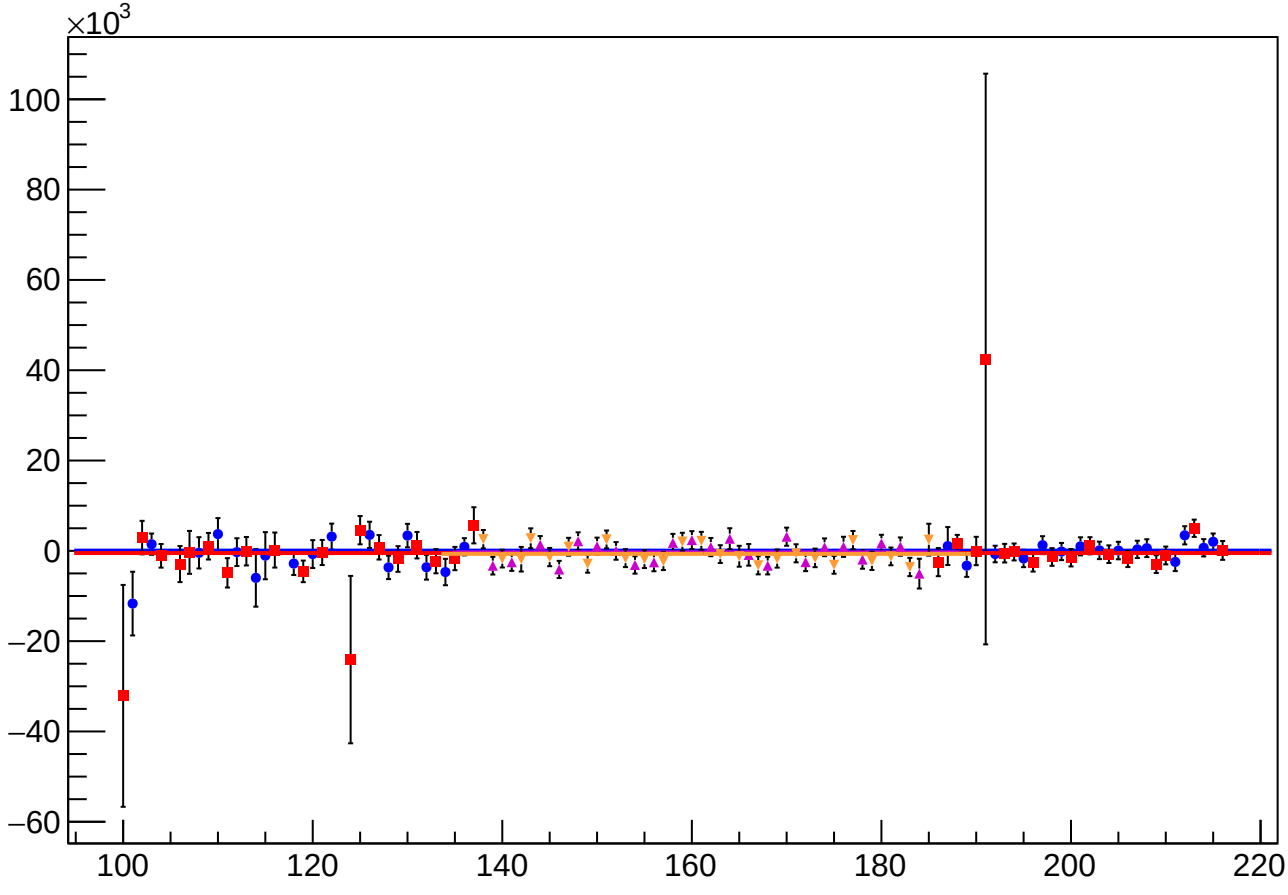
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 676.147+/-0.082 χ^2/NDF: 7894927.5/65

In: 489.591+/-0.060 χ^2/NDF:7174439.2/53

Out: 486.677+/-0.059 χ^2/NDF:9034210.2/59

All: 488.123+/-0.042 χ^2/NDF: 16209850.6/1



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: -491.082+/-427.116 χ^2/NDF: 30.9/34

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

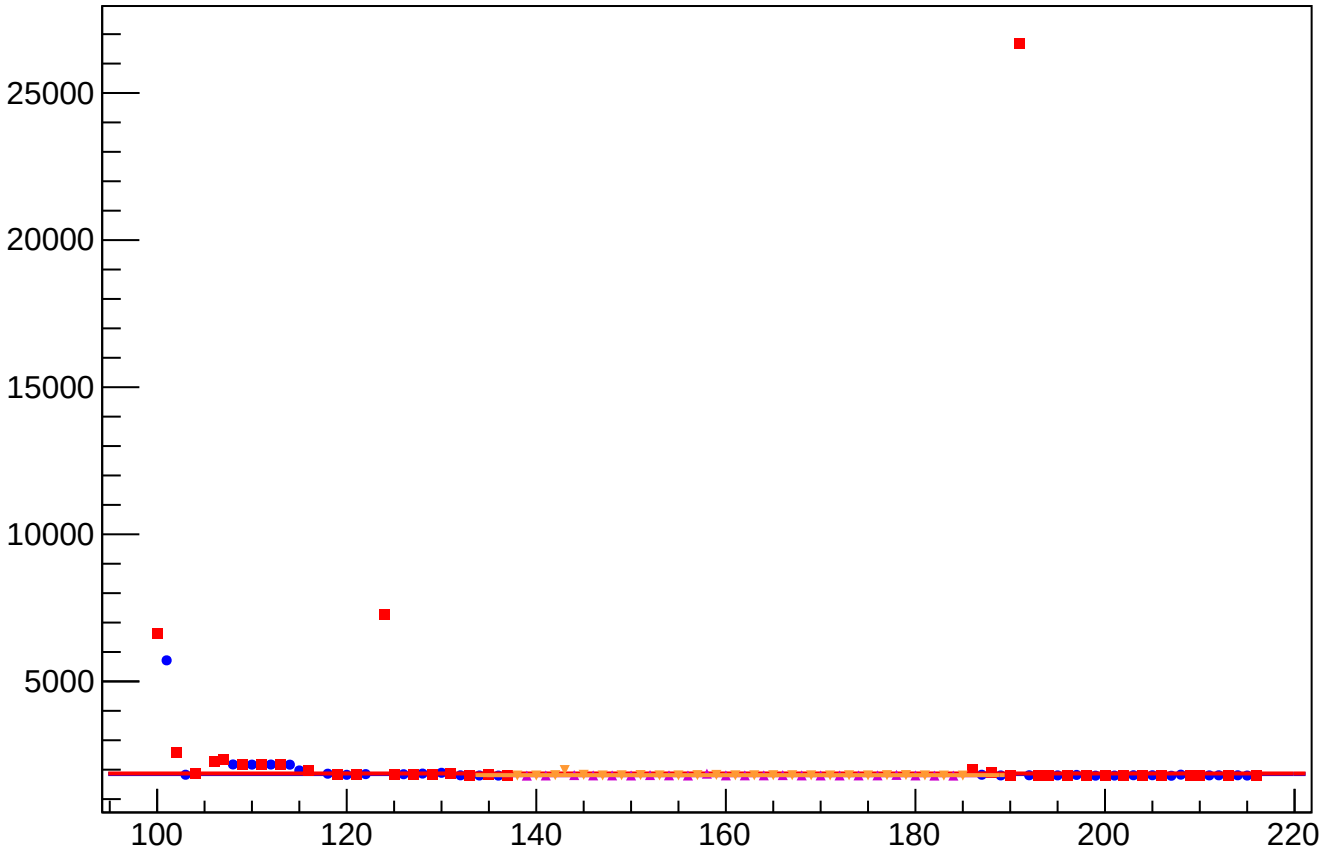
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -221.367+/-301.221 χ^2/NDF: 58.2/65

In: -149.724+/-299.664 χ^2/NDF:57.1/53

Out: -583.735+/-296.604 χ^2/NDF:55.7/59

All: -368.956+/-210.804 χ^2/NDF: 113.8/113



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: 1871.025+/-0.302 χ^2/NDF: 763666.8/34

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

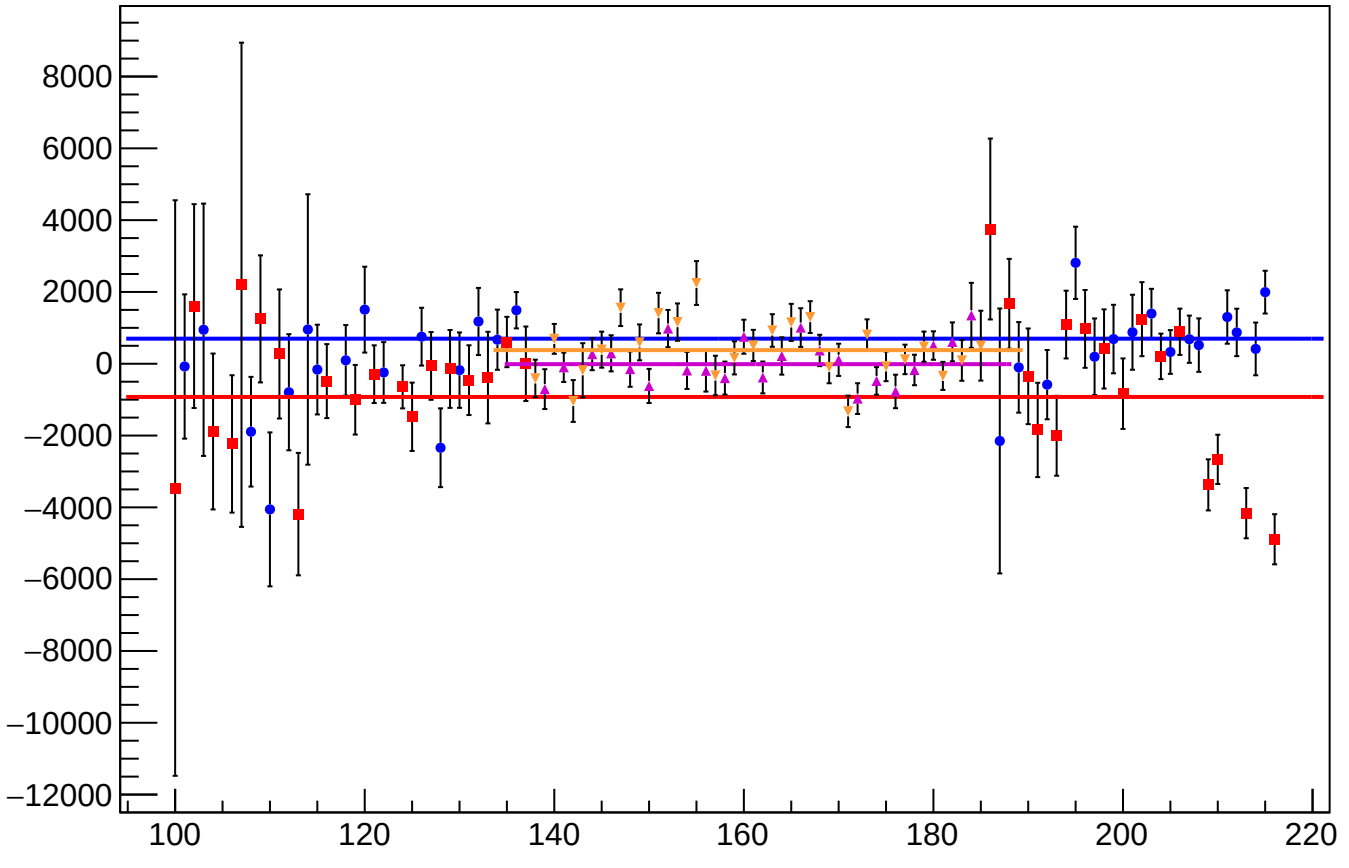
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1860.611+/-0.213 χ^2/NDF: 1445754.5/65

In: 1830.280+/-0.212 χ^2/NDF:690530.3/53

Out: 1841.725+/-0.210 χ^2/NDF:794947.5/59

All: 1836.061+/-0.149 χ^2/NDF: 1486951.5/11



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: -924.799+/-166.037 χ^2/NDF: 122.0/34

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

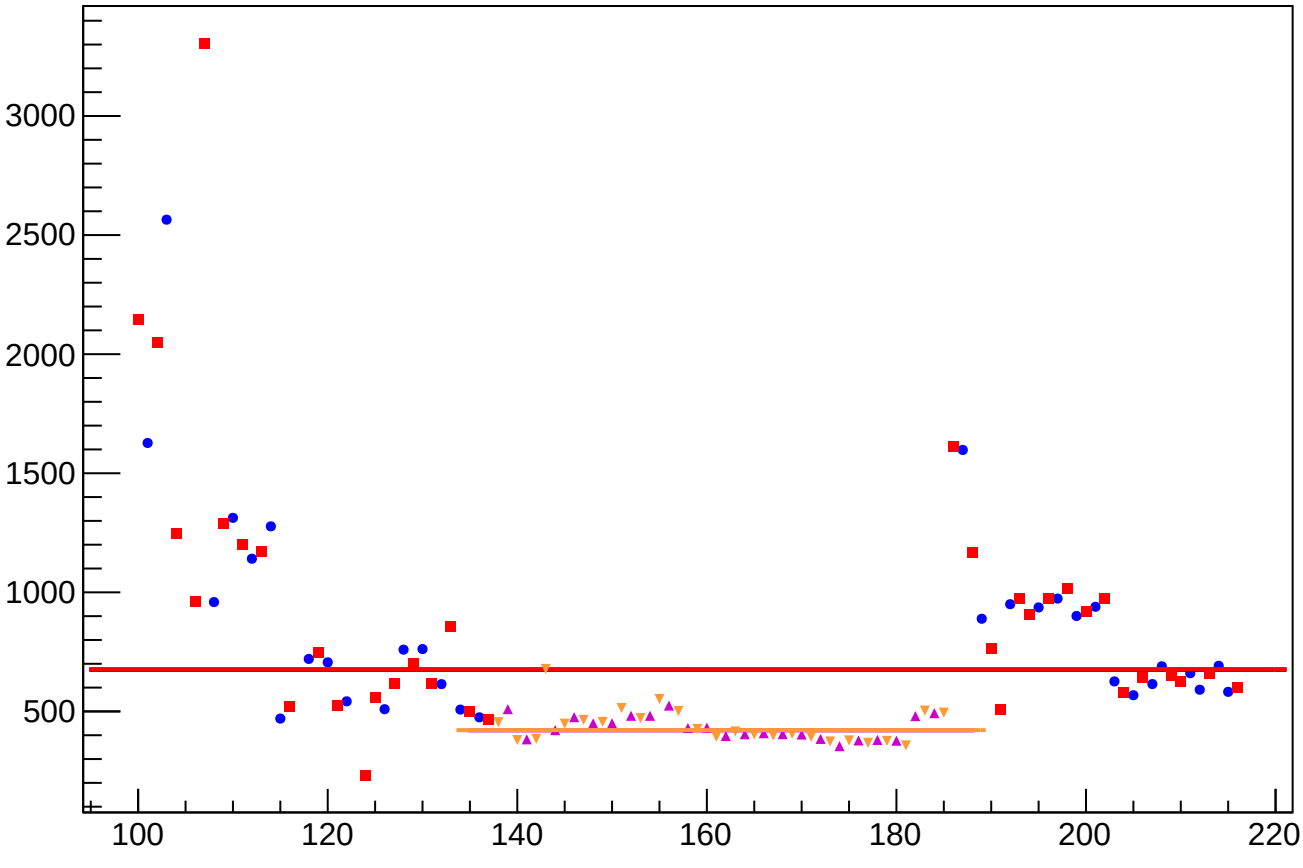
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -91.196+/-115.810 χ^2/NDF: 208.0/65

In: 182.151+/-84.404 χ^2/NDF:82.1/53

Out: 47.428+/-83.764 χ^2/NDF:230.3/59

All: 114.276+/-59.455 χ^2/NDF: 313.6/113



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: 677.826+/-0.117 χ^2/NDF: 4735548.5/34

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

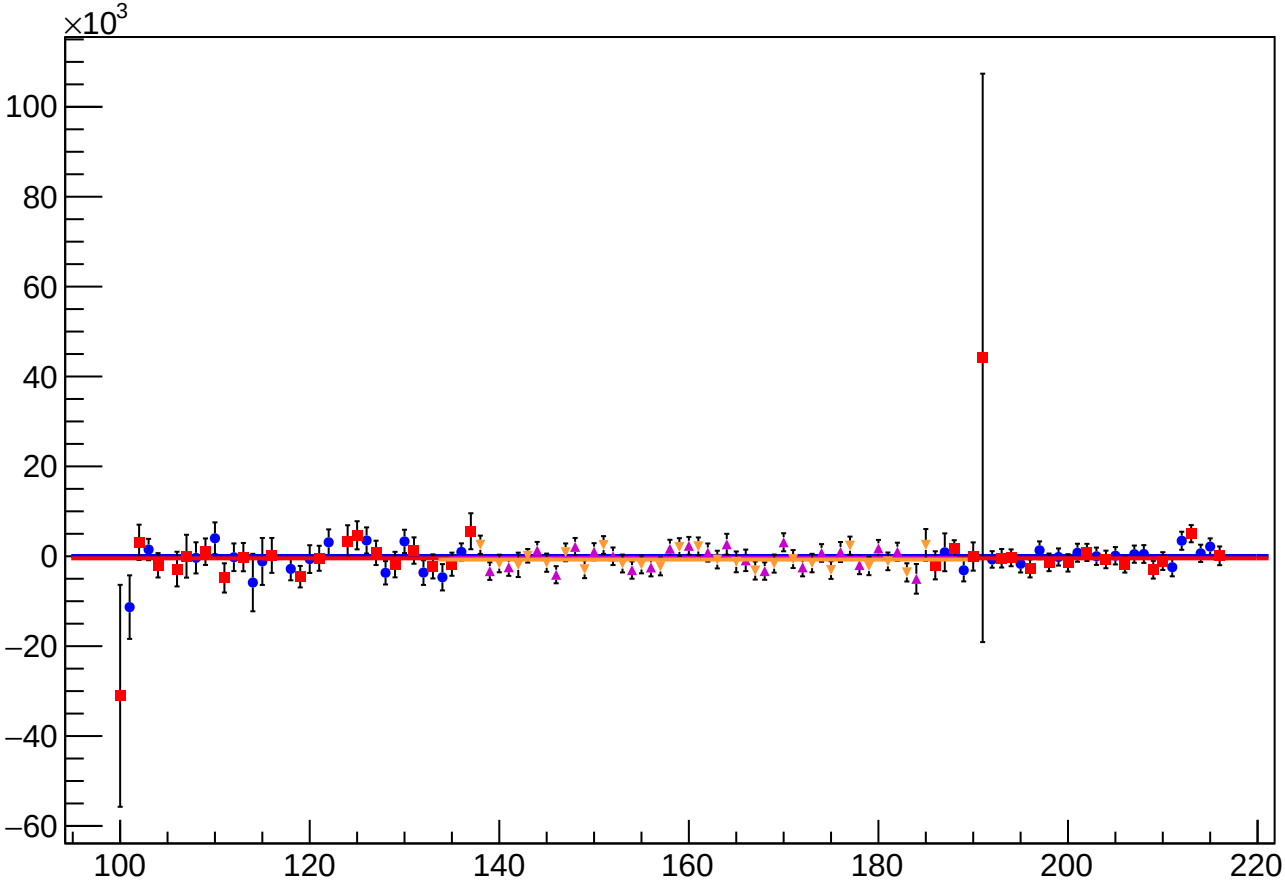
Right: 676.147+/-0.082 χ^2/NDF: 7894927.5/65

In: 489.591+/-0.060 χ^2/NDF:7174439.2/53

Out: 486.677+/-0.059 χ^2/NDF:9034210.2/59

All: 488.123+/-0.042 χ^2/NDF: 16209850.6/1

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: -460.843+/-425.191 χ^2/NDF: 30.4/34

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

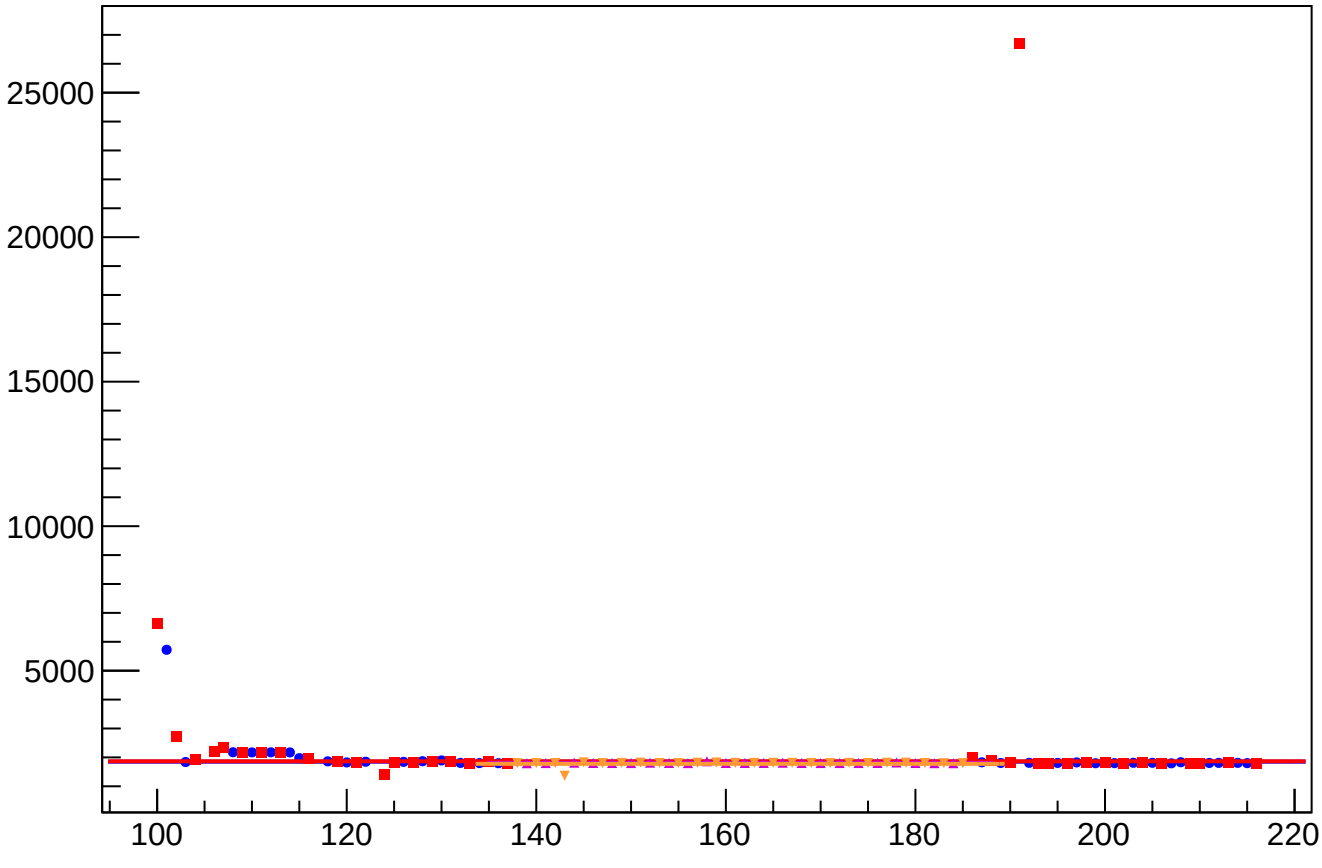
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -199.747+/-300.693 χ^2/NDF: 57.5/65

In: -141.030+/-299.865 χ^2/NDF:56.4/53

Out: -599.284+/-293.035 χ^2/NDF:52.8/59

All: -375.435+/-209.580 χ^2/NDF: 110.4/113



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: 1864.298+/-0.301 χ^2/NDF: 638240.2/34

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

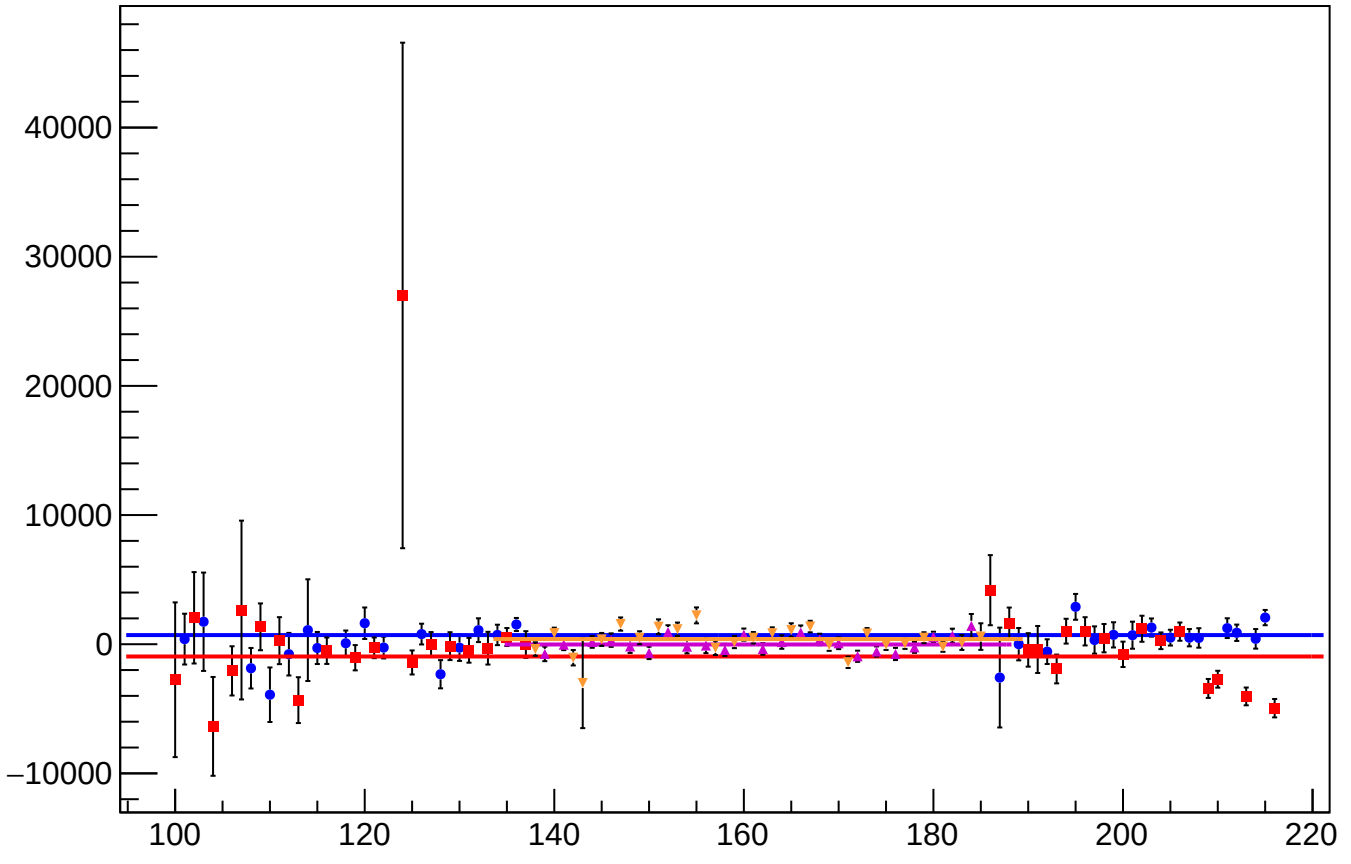
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1858.175+/-0.213 χ^2/NDF: 1318651.6/65

In: 1831.448+/-0.212 χ^2/NDF:690877.9/53

Out: 1818.318+/-0.207 χ^2/NDF:844082.1/59

All: 1824.732+/-0.148 χ^2/NDF: 1536921.5/11



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: -950.593+/-174.789 χ^2/NDF: 123.4/34

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

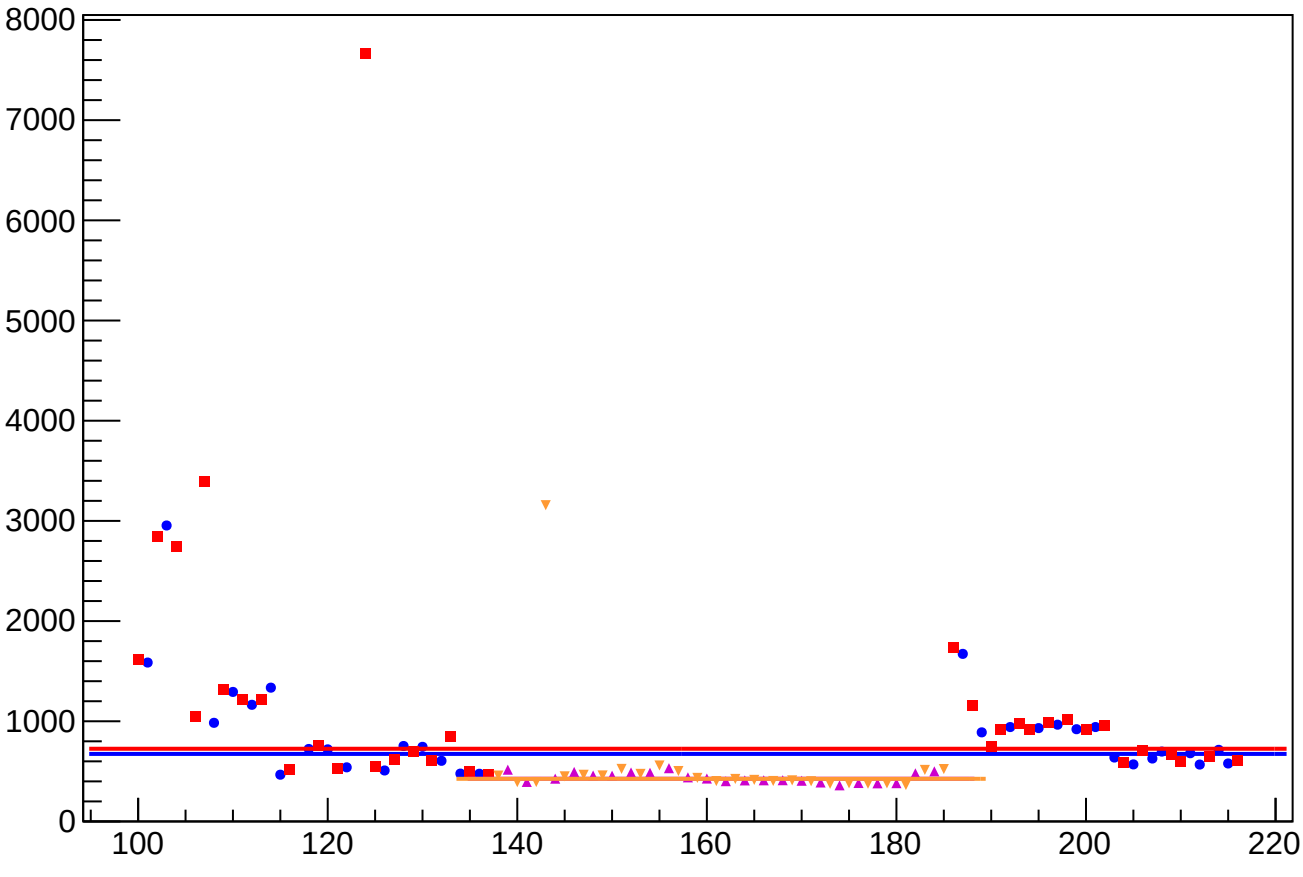
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: -57.276+/-118.661 χ^2/NDF: 209.3/65

In: 180.839+/-85.199 χ^2/NDF:82.9/53

Out: 69.824+/-86.251 χ^2/NDF:229.0/59

All: 126.013+/-60.613 χ^2/NDF: 312.7/113



Right In: 674.129+/-0.114 χ^2/NDF: 3373658.1/30

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 725.665+/-0.124 χ^2/NDF: 4547945.0/34

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

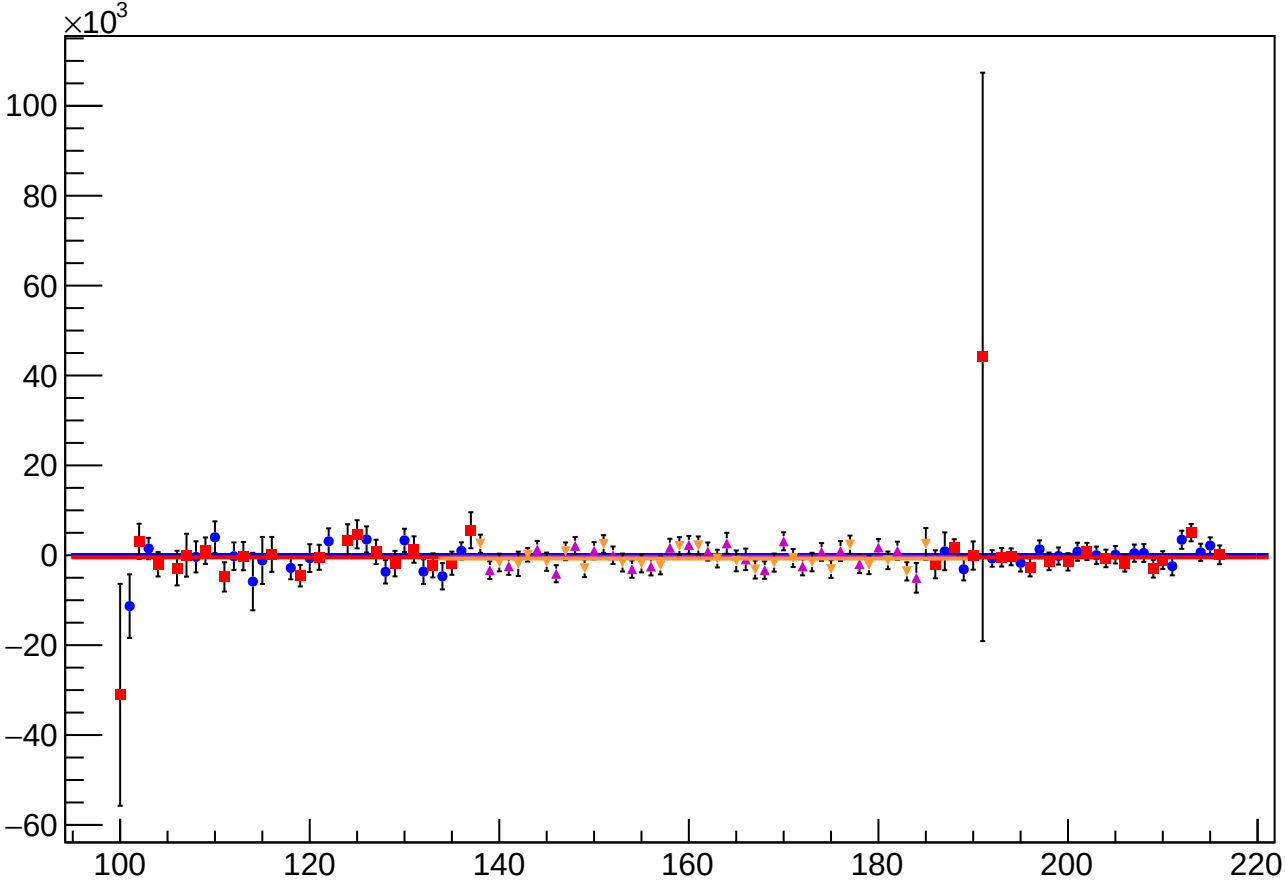
Right: 697.881+/-0.084 χ^2/NDF: 8015339.3/65

In: 495.067+/-0.060 χ^2/NDF:7189462.5/53

Out: 498.738+/-0.061 χ^2/NDF:10722253.9/59

All: 496.880+/-0.043 χ^2/NDF: 17913550.0/1

eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected



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: -460.842+/-425.191 χ^2/NDF: 30.4/34

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

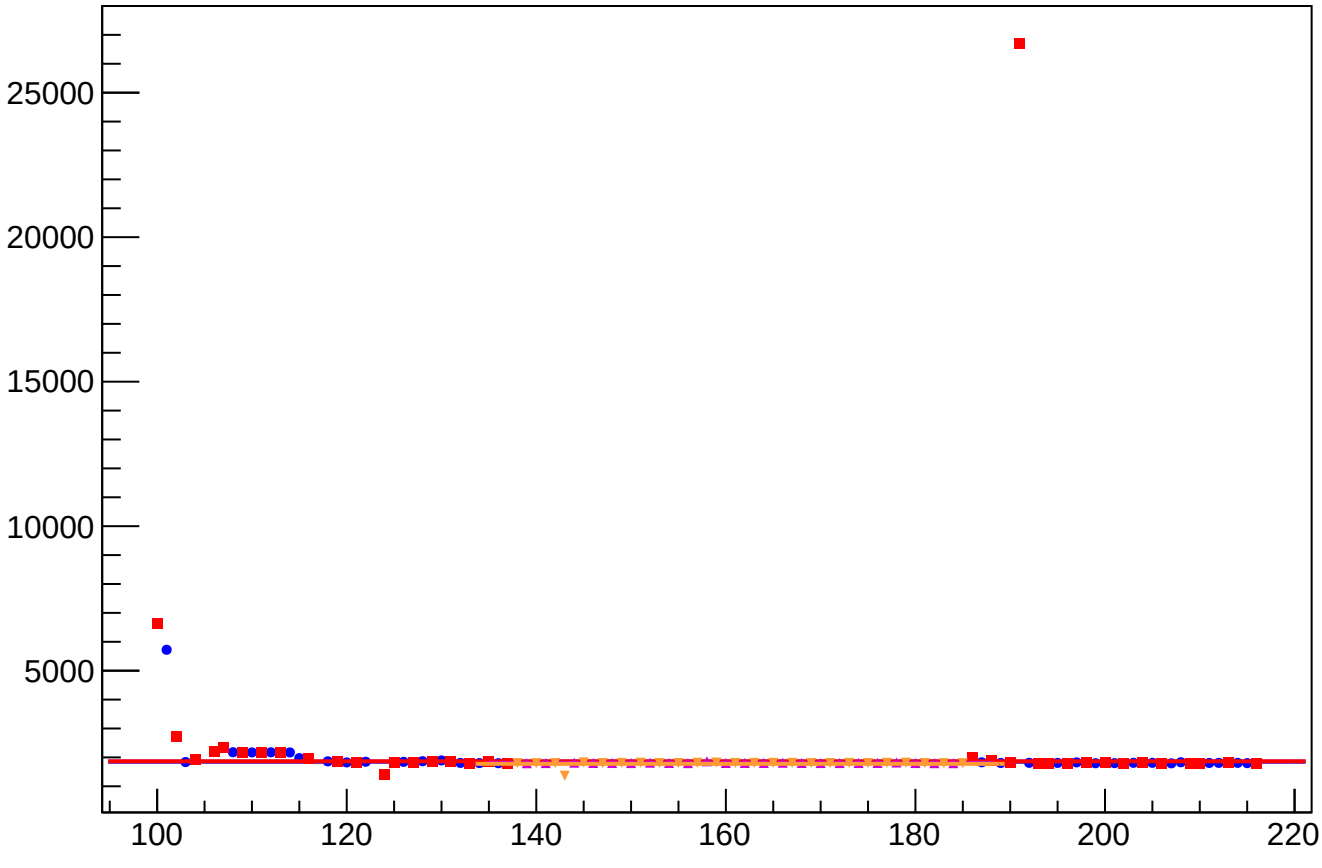
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -199.747+/-300.693 χ^2/NDF: 57.5/65

In: -141.030+/-299.865 χ^2/NDF:56.4/53

Out: -599.284+/-293.035 χ^2/NDF:52.8/59

All: -375.435+/-209.580 χ^2/NDF: 110.4/113



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: 1864.298+/-0.301 χ^2/NDF: 638240.1/34

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

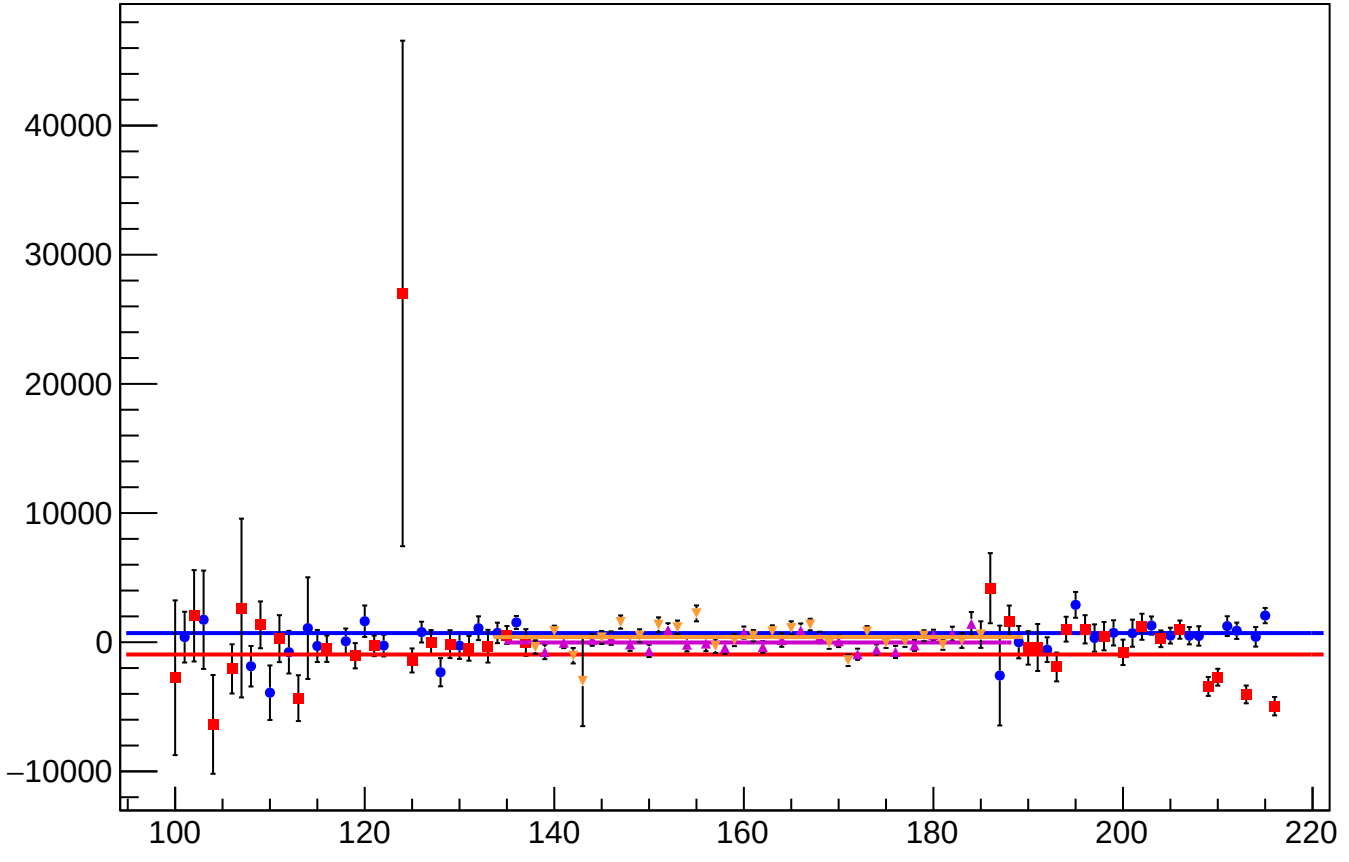
Right: 1858.175+/-0.213 χ^2/NDF: 1318651.4/65

In: 1831.448+/-0.212 χ^2/NDF:690877.9/53

Out: 1818.318+/-0.207 χ^2/NDF:844081.9/59

All: 1824.732+/-0.148 χ^2/NDF: 1536921.3/11

asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -950.591+/-174.790 χ^2/NDF: 123.4/34

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

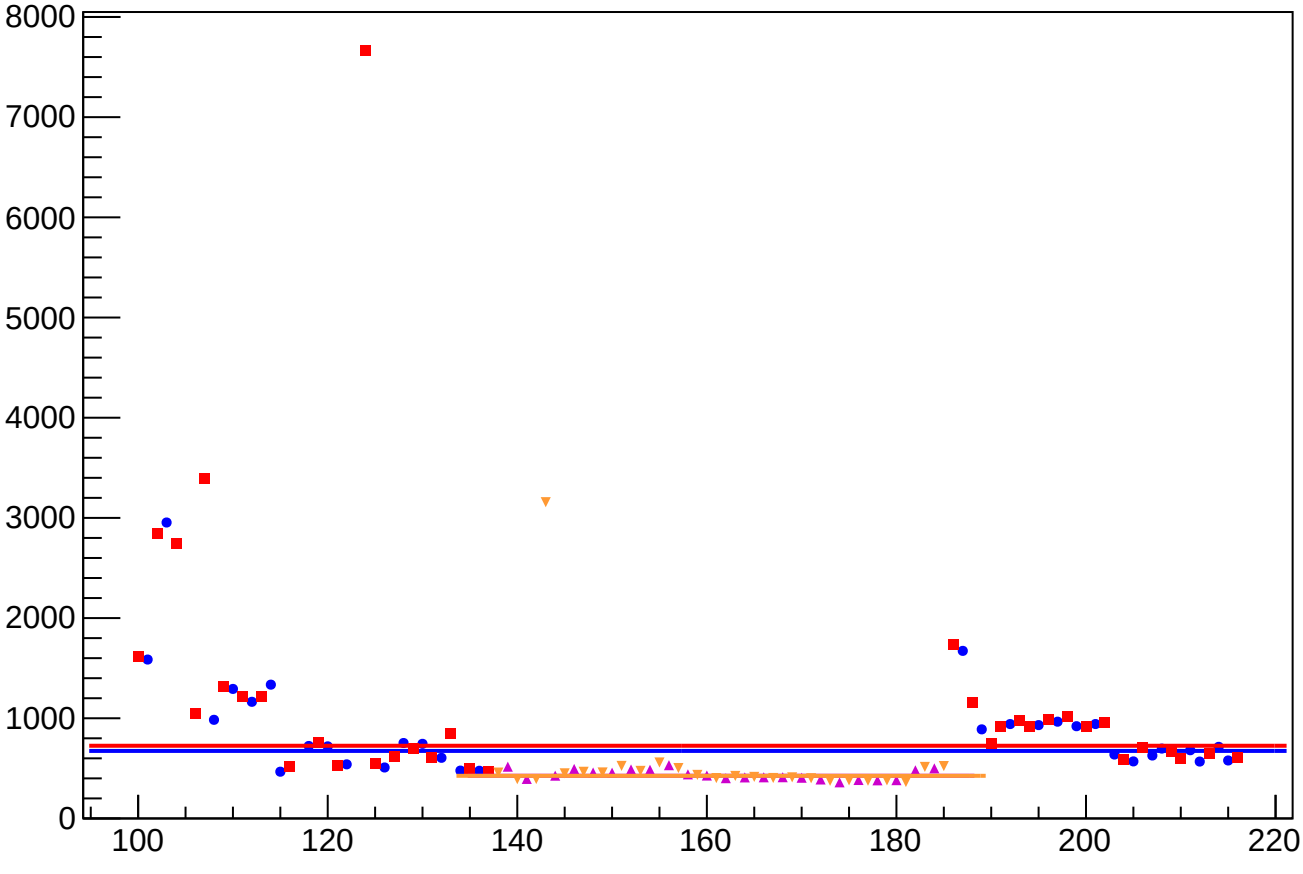
Right: -57.276+/-118.661 χ^2/NDF: 209.3/65

In: 180.839+/-85.199 χ^2/NDF:82.9/53

Out: 69.825+/-86.251 χ^2/NDF:229.0/59

All: 126.013+/-60.613 χ^2/NDF: 312.7/113

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: 725.666+/-0.124 χ^2/NDF: 4547943.1/34

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

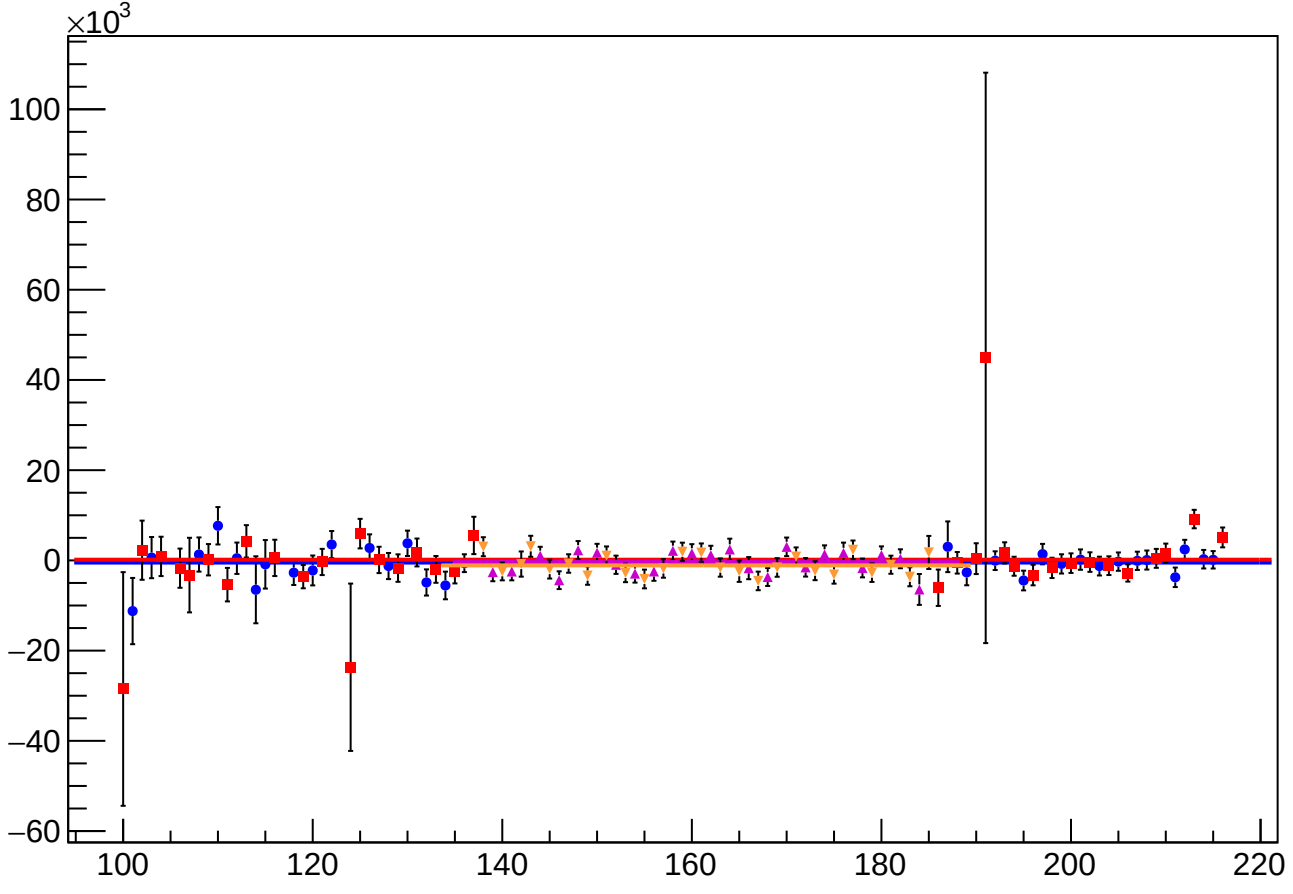
Right: 697.881+/-0.084 χ^2/NDF: 8015337.0/65

In: 495.067+/-0.060 χ^2/NDF:7189478.2/53

Out: 498.738+/-0.061 χ^2/NDF:10722273.3/59

All: 496.880+/-0.043 χ^2/NDF: 17913585.1/11

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: 153.066+/-476.655 χ^2/NDF: 50.6/34

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

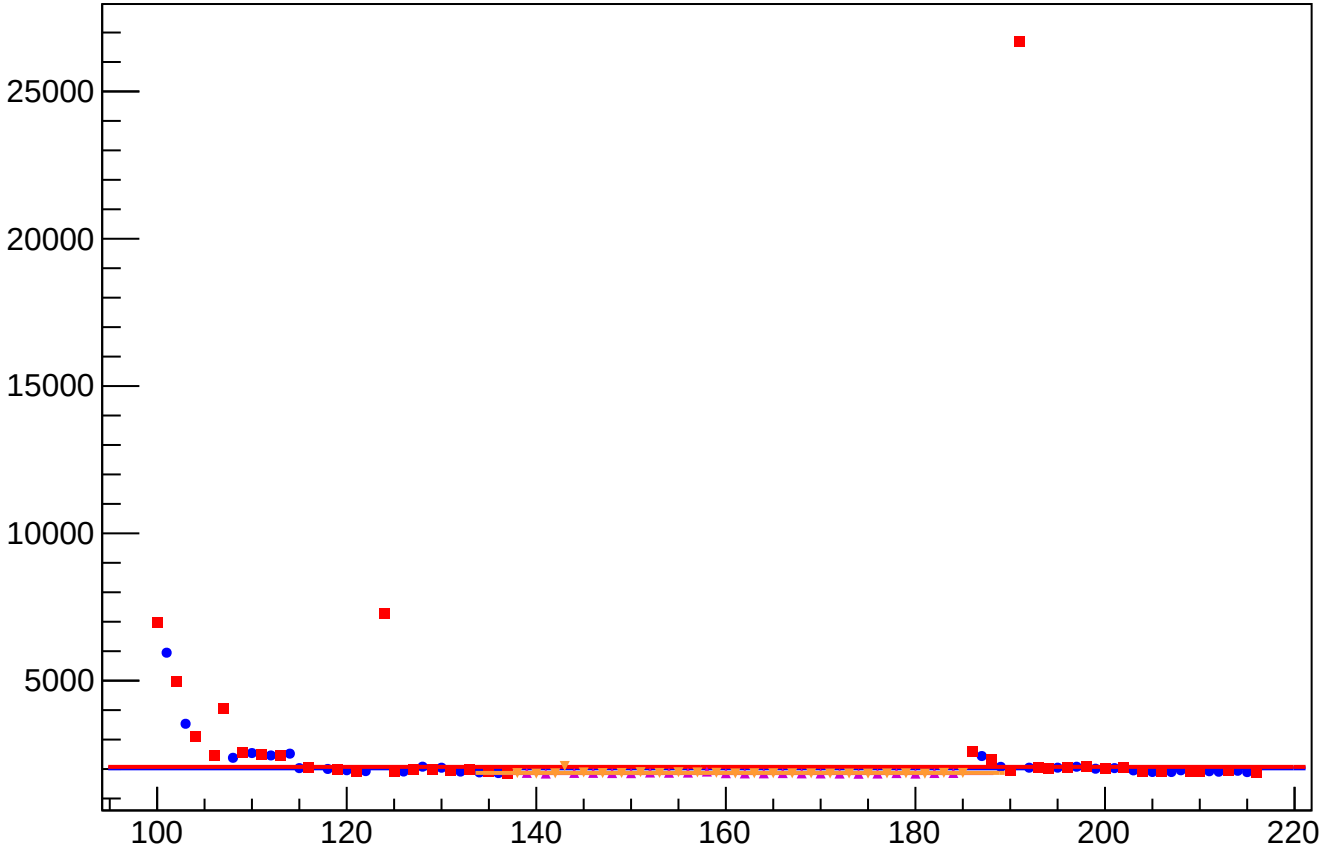
Right: -168.457+/-333.457 χ^2/NDF: 79.6/65

In: -407.231+/-318.176 χ^2/NDF:56.9/53

Out: -548.761+/-317.070 χ^2/NDF:82.5/59

All: -478.242+/-224.592 χ^2/NDF: 139.5/113

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: 2073.443+/-0.337 χ^2/NDF: 1417467.3/34

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

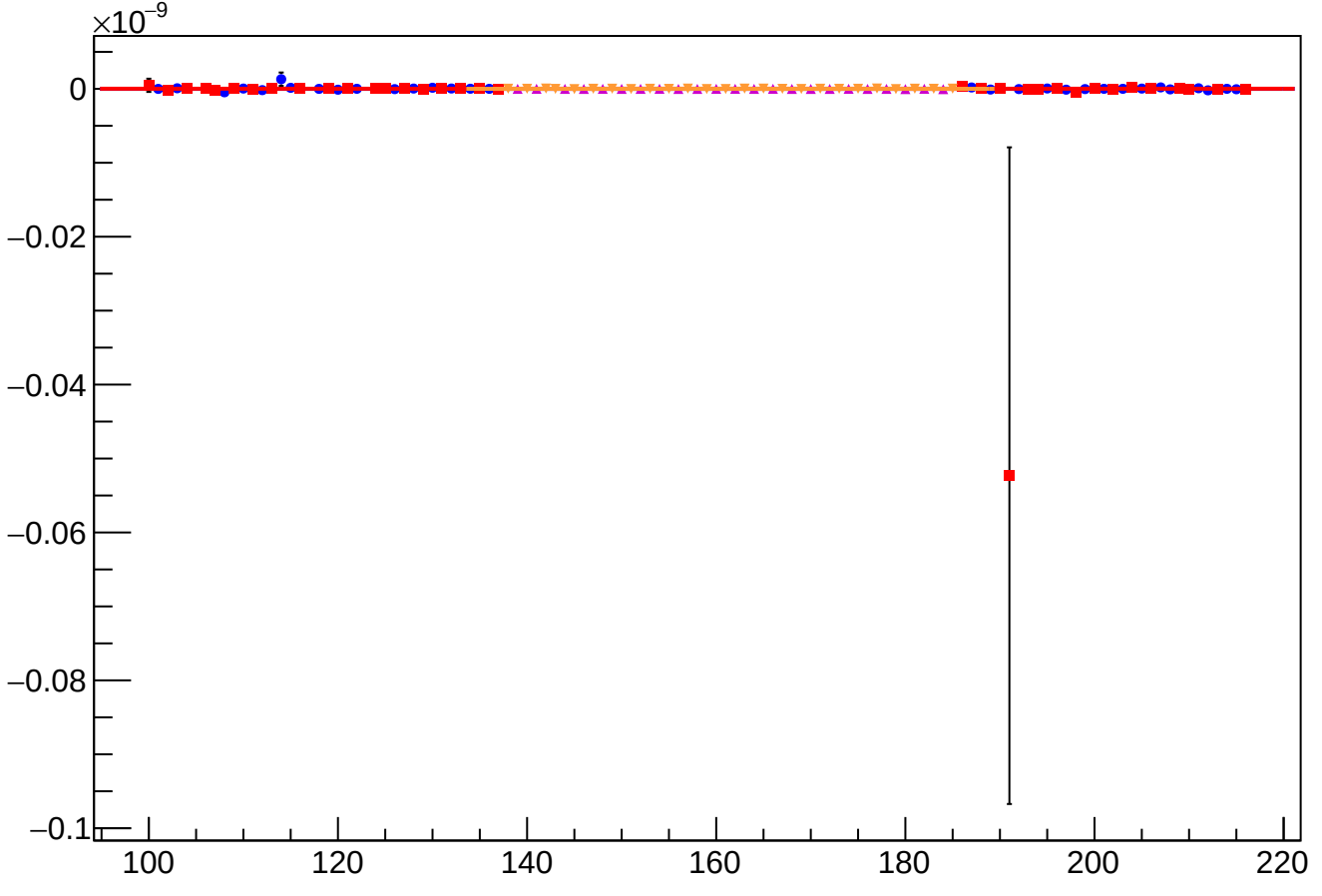
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2048.325+/-0.236 χ^2/NDF: 2390120.9/65

In: 1937.867+/-0.225 χ^2/NDF:1092548.1/53

Out: 1959.431+/-0.224 χ^2/NDF:1646025.6/59

All: 1948.687+/-0.159 χ^2/NDF: 2743182.7/11



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: 34.2/34

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

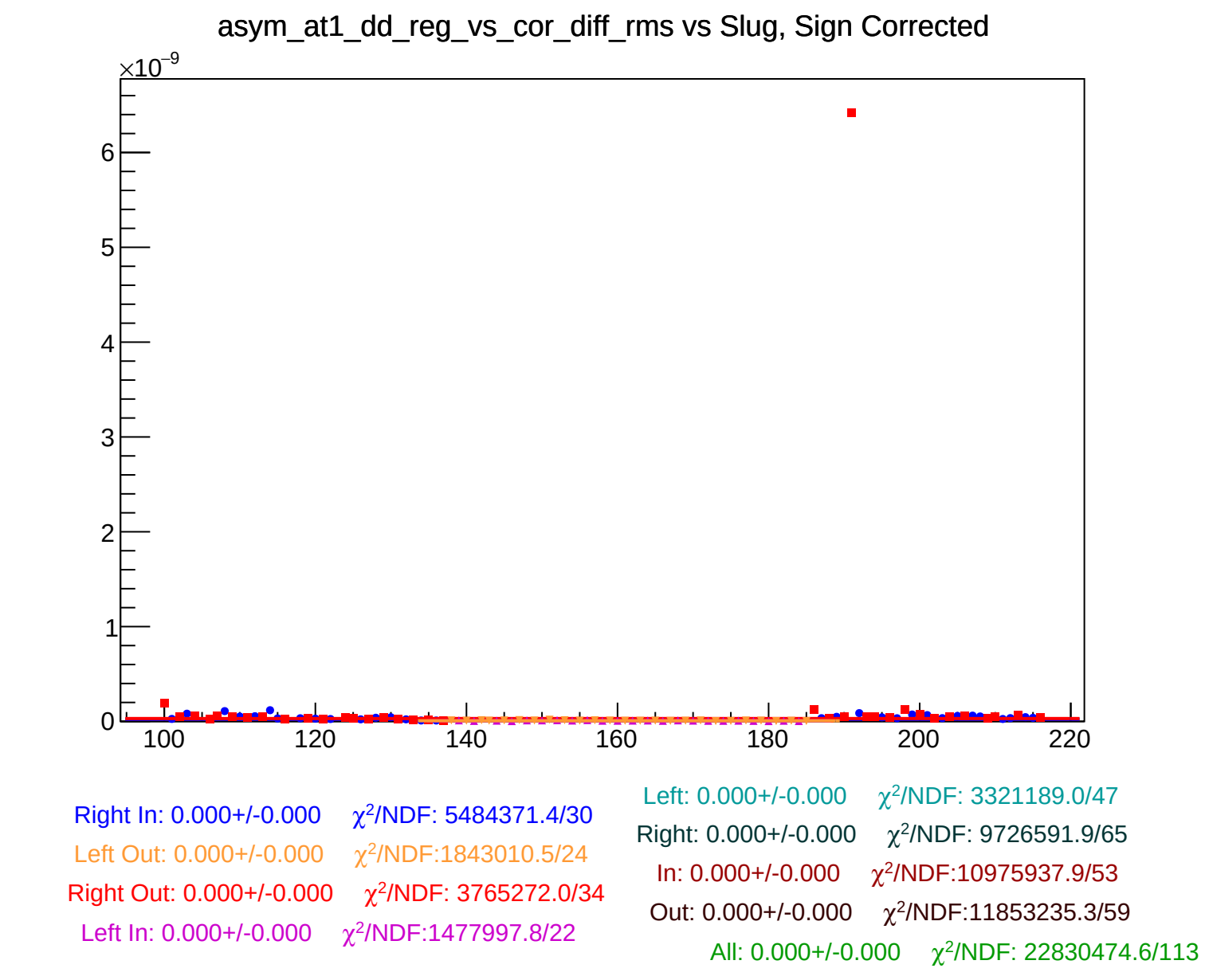
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

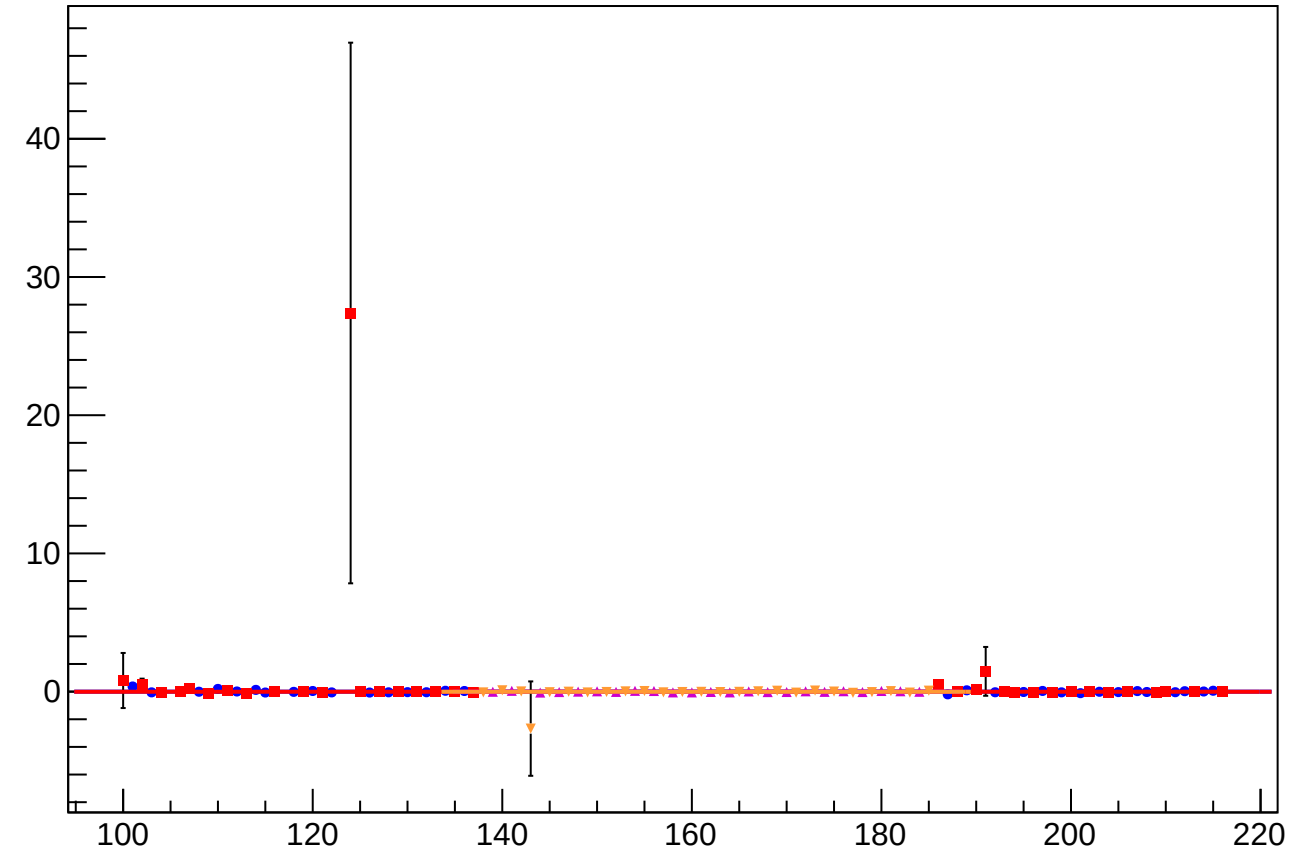
Right: 0.000+/-0.000 χ^2/NDF: 72.8/65

In: -0.000+/-0.000 χ^2/NDF:54.8/53

Out: 0.000+/-0.000 χ^2/NDF:77.6/59

All: -0.000+/-0.000 χ^2/NDF: 134.5/113


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: 3765272.0/34
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: 9726591.9/65
In: 0.000+/-0.000 χ²/NDF:10975937.9/53
Out: 0.000+/-0.000 χ²/NDF:11853235.3/59
All: 0.000+/-0.000 χ²/NDF: 22830474.6/113



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: -0.009+/-0.011 χ^2/NDF: 28.2/34

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

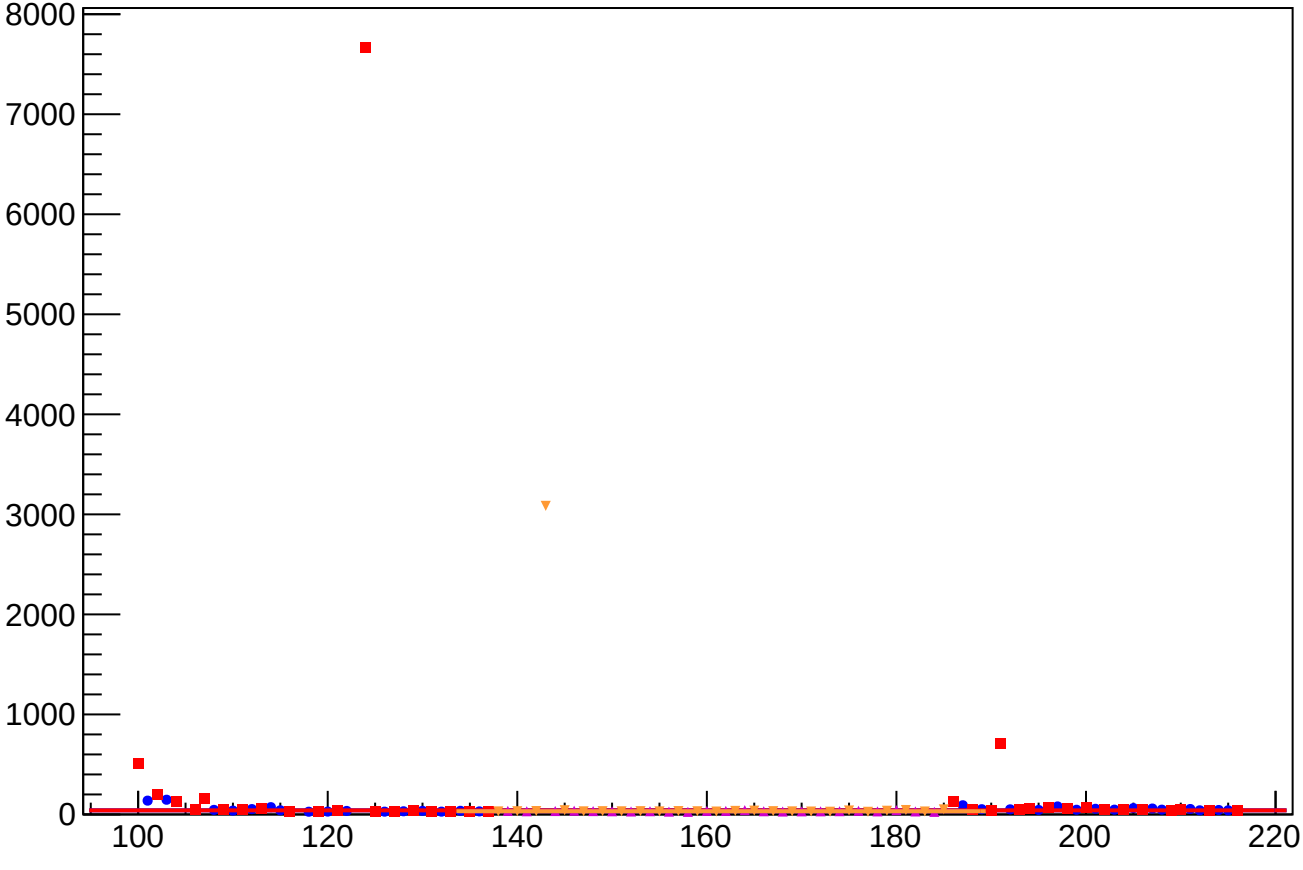
Right: -0.005+/-0.008 χ^2/NDF: 60.0/65

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.009+/-0.007 χ^2/NDF:67.8/59

All: -0.006+/-0.005 χ^2/NDF: 120.7/113

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: 40.961+/-0.008 χ^2/NDF: 4357312.7/34

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

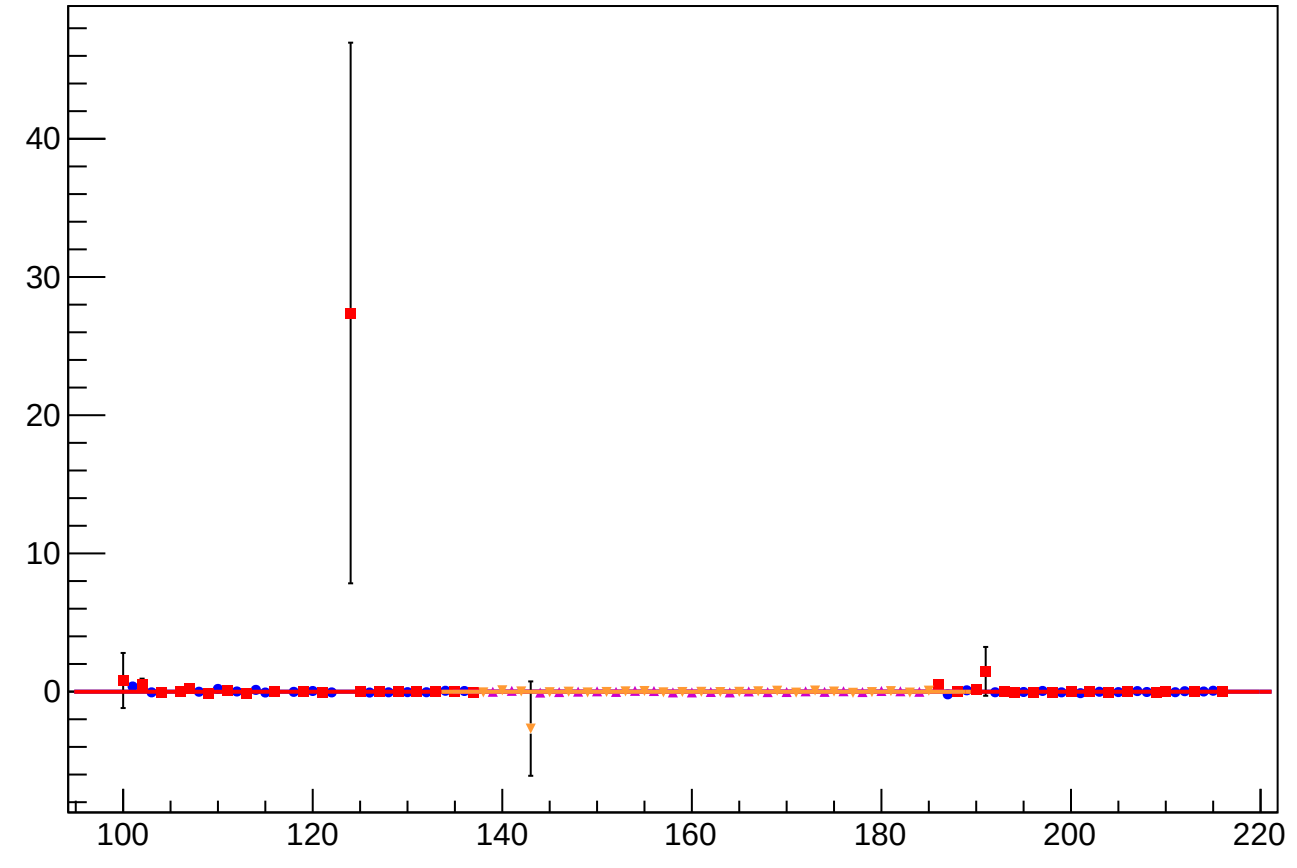
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.158+/-0.005 χ^2/NDF: 7722484.3/65

In: 35.753+/-0.005 χ^2/NDF:4656187.3/53

Out: 35.443+/-0.005 χ^2/NDF:7289787.3/59

All: 35.598+/-0.003 χ^2/NDF: 11948194.0/113



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: -0.009+/-0.011 χ^2/NDF: 28.2/34

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

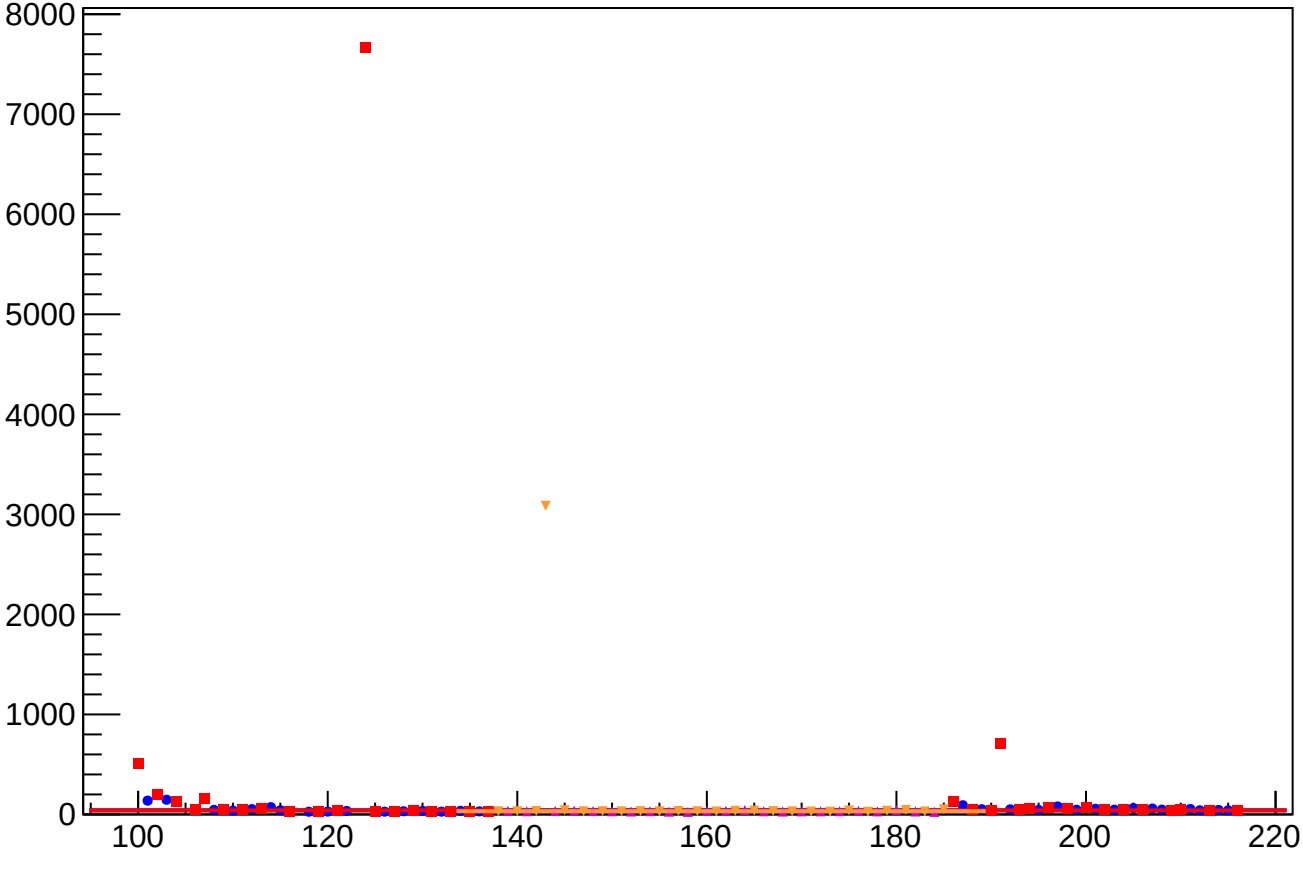
Right: -0.005+/-0.008 χ^2/NDF: 60.0/65

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.009+/-0.007 χ^2/NDF:67.8/59

All: -0.006+/-0.005 χ^2/NDF: 120.7/113

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: 40.961+/-0.008 χ^2/NDF: 4357312.7/34

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

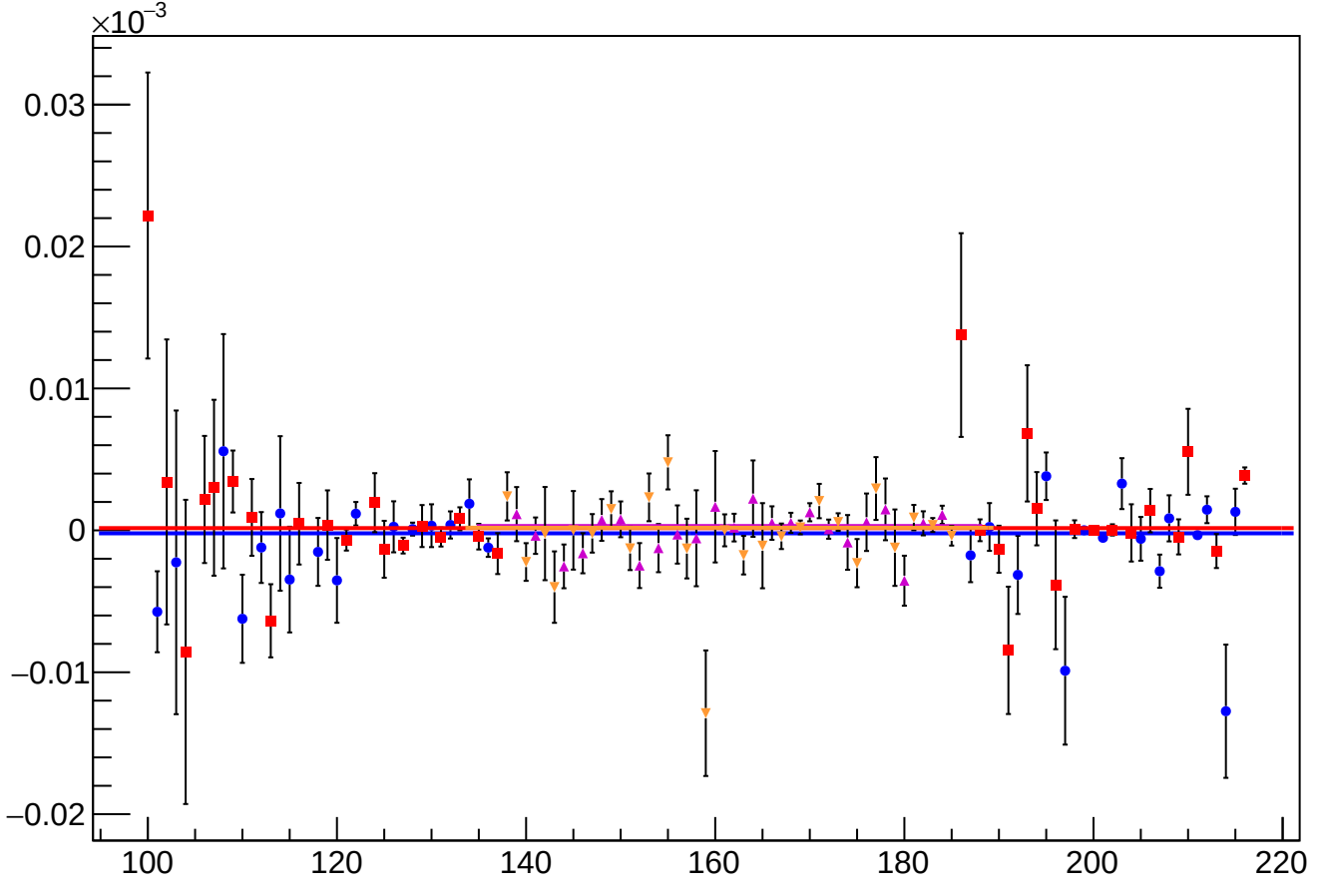
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 41.158+/-0.005 χ^2/NDF: 7722484.3/65

In: 35.753+/-0.005 χ^2/NDF:4656187.3/53

Out: 35.443+/-0.005 χ^2/NDF:7289787.3/59

All: 35.598+/-0.003 χ^2/NDF: 11948194.0/113



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: 84.9/34

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

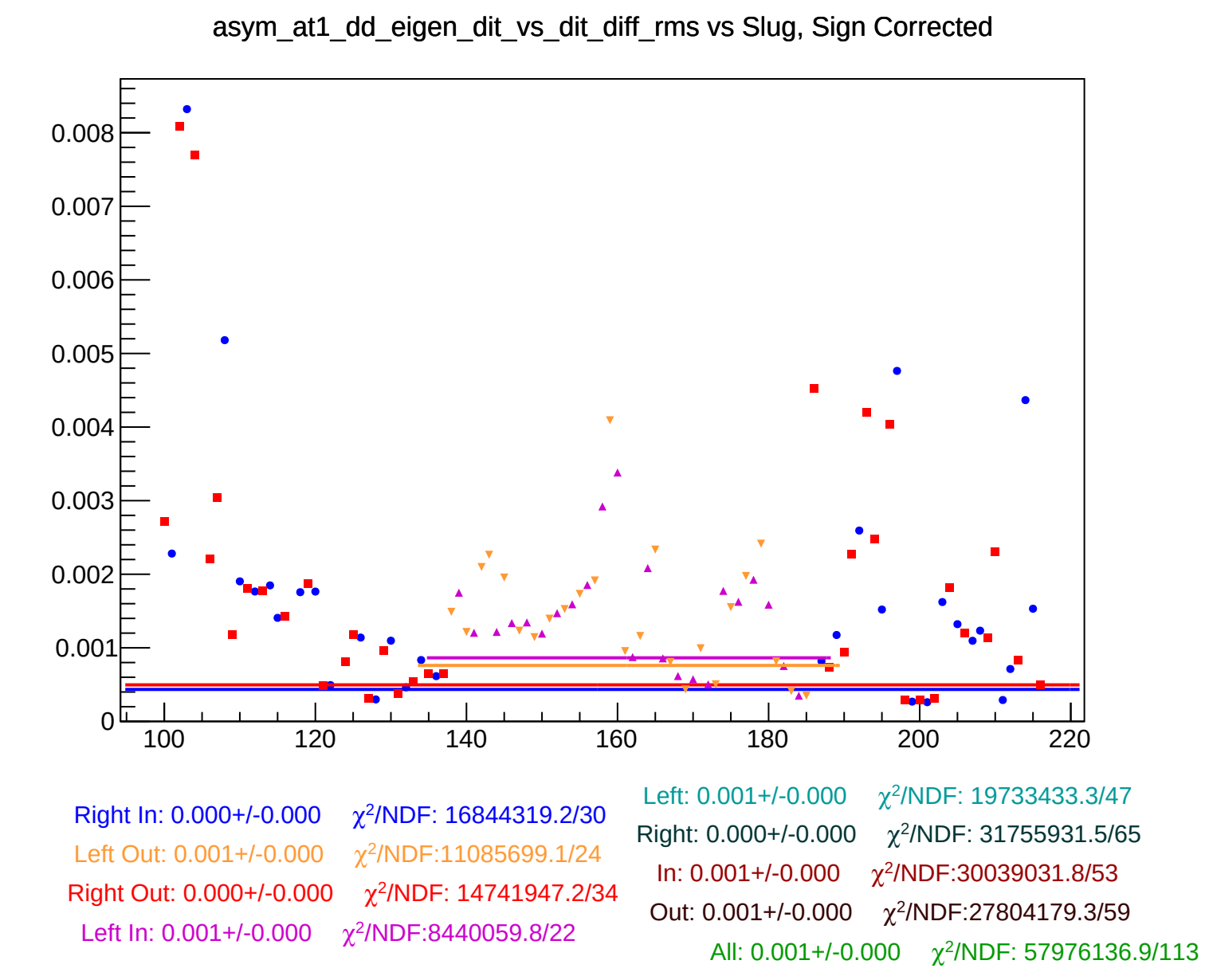
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

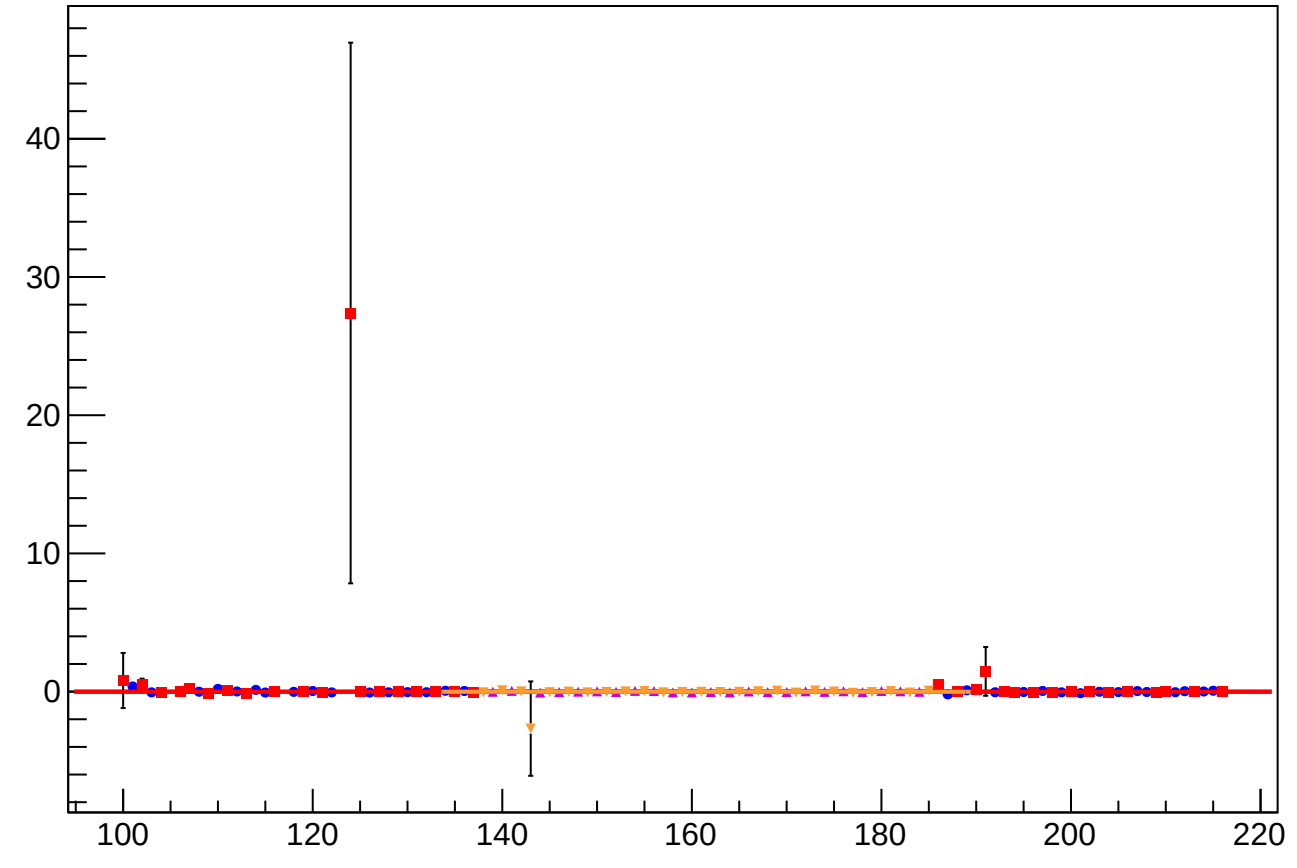
Right: -0.000+/-0.000 χ^2/NDF: 139.6/65

In: -0.000+/-0.000 χ^2/NDF:75.4/53

Out: 0.000+/-0.000 χ^2/NDF:122.4/59

All: 0.000+/-0.000 χ^2/NDF: 199.7/113


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 16844319.2/30
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 14741947.2/34
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
Left: 0.001+/-0.000 χ²/NDF: 19733433.3/47
Right: 0.000+/-0.000 χ²/NDF: 31755931.5/65
In: 0.001+/-0.000 χ²/NDF:30039031.8/53
Out: 0.001+/-0.000 χ²/NDF:27804179.3/59
All: 0.001+/-0.000 χ²/NDF: 57976136.9/113



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: -0.009+/-0.011 χ^2/NDF: 28.2/34

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

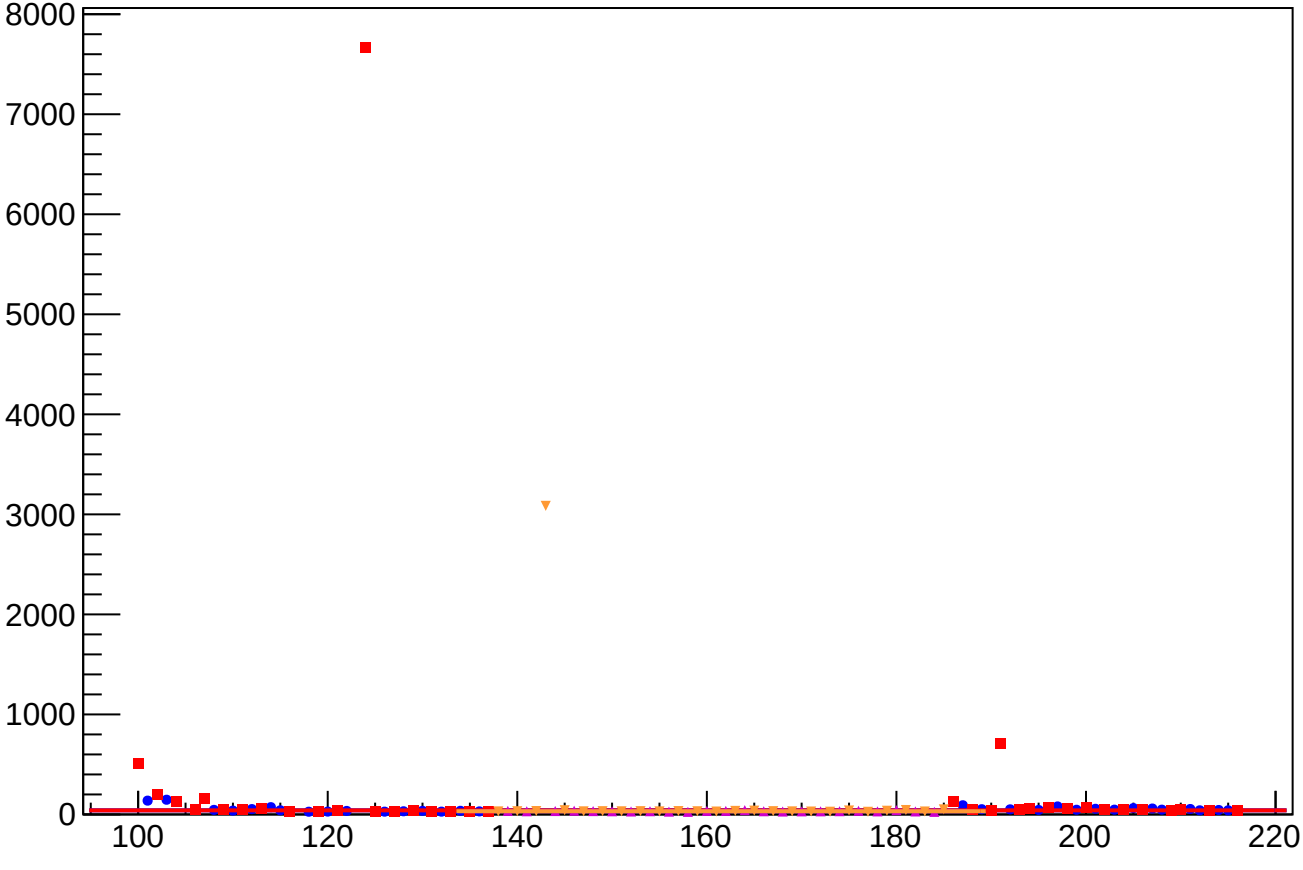
Right: -0.005+/-0.008 χ^2/NDF: 60.0/65

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.009+/-0.007 χ^2/NDF:67.8/59

All: -0.006+/-0.005 χ^2/NDF: 120.7/113

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: 40.961+/-0.008 χ^2/NDF: 4357326.6/34

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

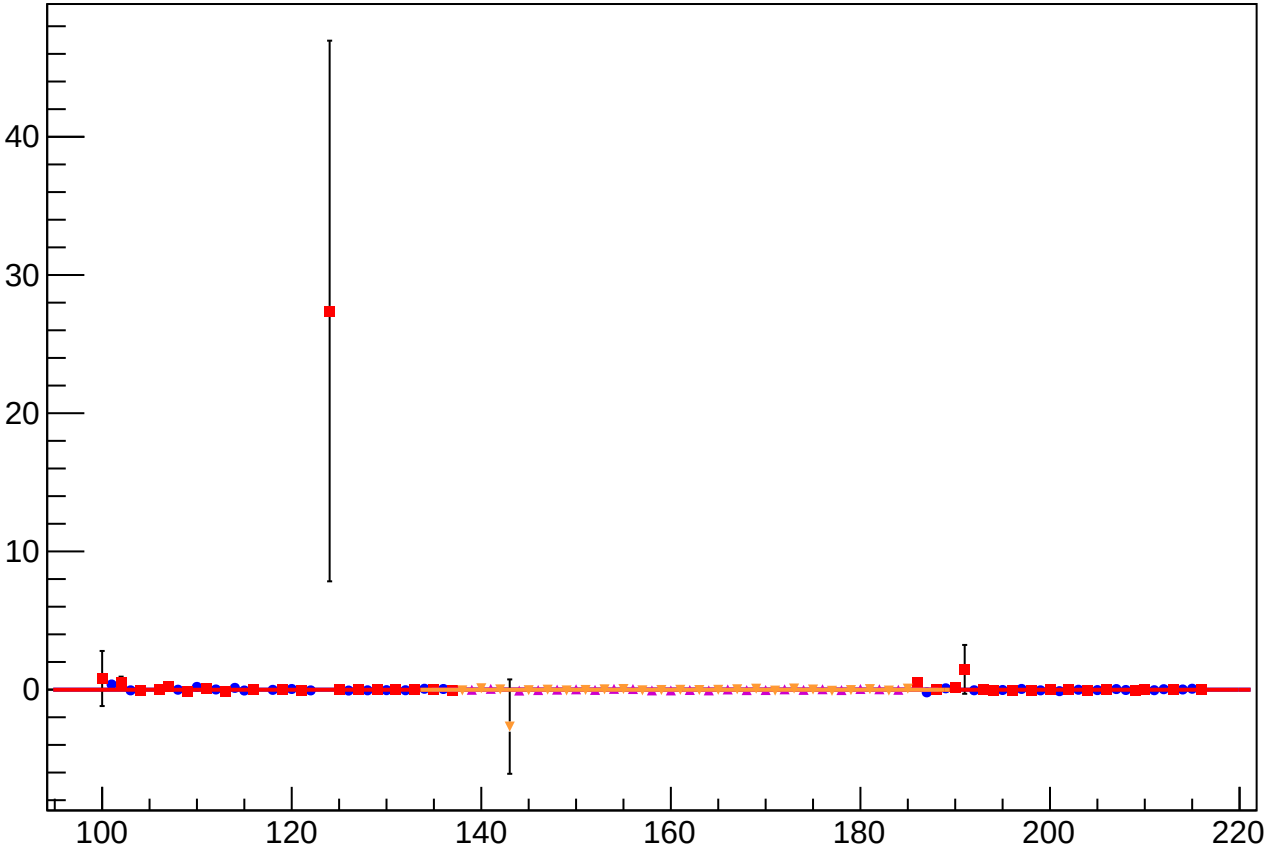
Right: 41.158+/-0.005 χ^2/NDF: 7722491.2/65

In: 35.753+/-0.005 χ^2/NDF:4656047.8/53

Out: 35.443+/-0.005 χ^2/NDF:7289864.1/59

All: 35.598+/-0.003 χ^2/NDF: 11948134.3/113

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: -0.009+/-0.011 χ^2/NDF: 28.2/34

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

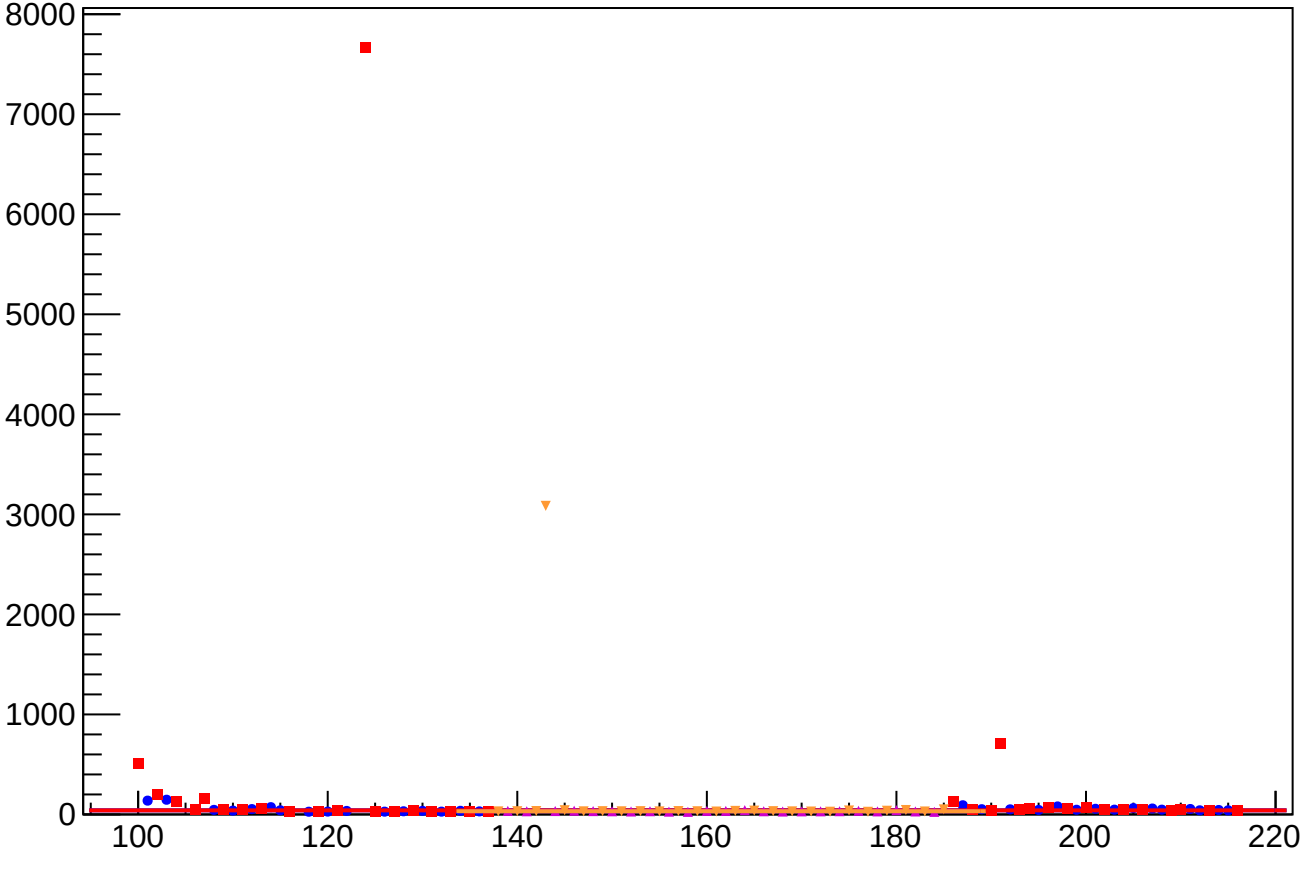
Right: -0.005+/-0.008 χ^2/NDF: 60.0/65

In: -0.003+/-0.007 χ^2/NDF:52.5/53

Out: -0.009+/-0.007 χ^2/NDF:67.8/59

All: -0.006+/-0.005 χ^2/NDF: 120.7/113

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: 40.961+/-0.008 χ^2/NDF: 4357326.6/34

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

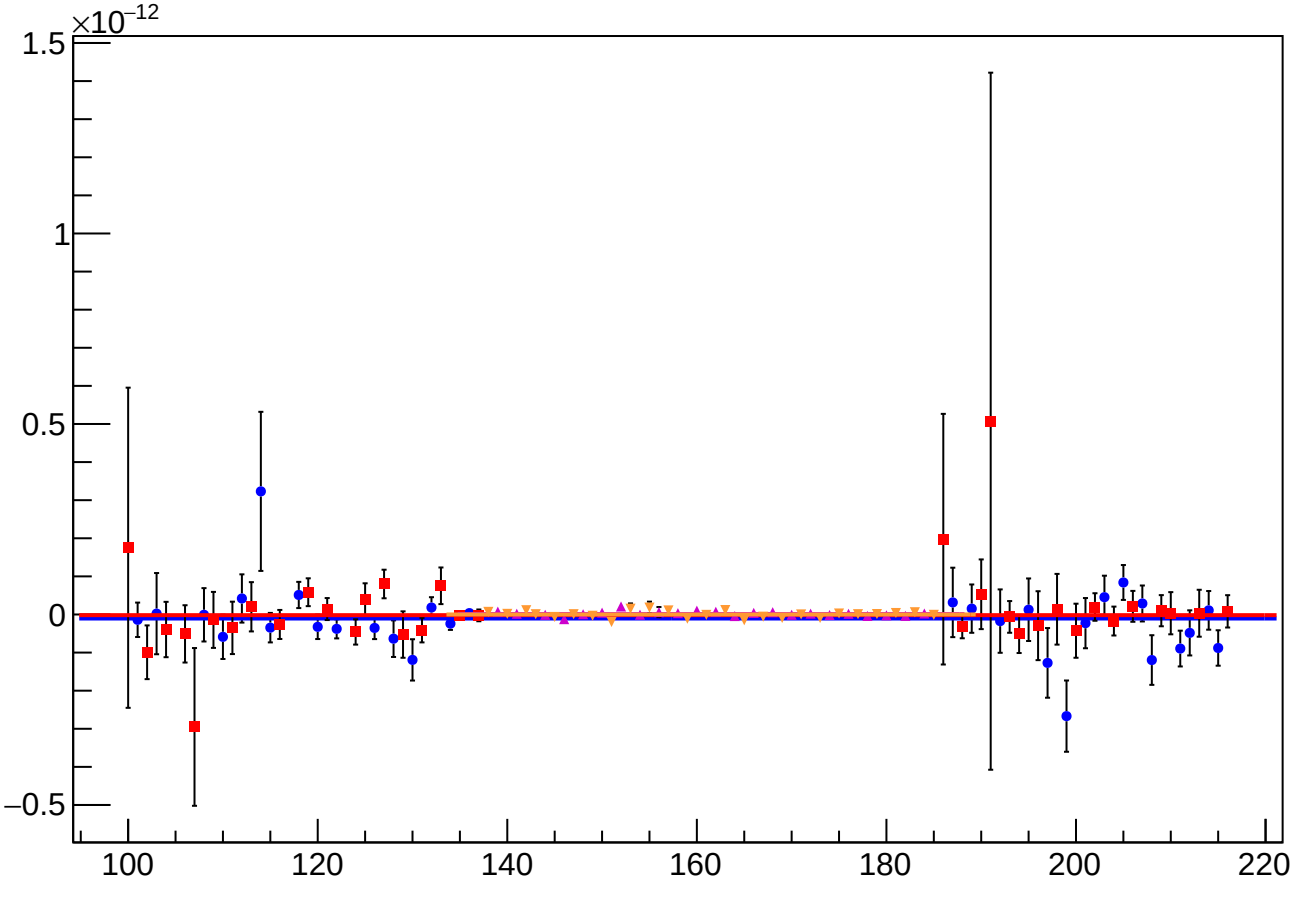
Right: 41.158+/-0.005 χ^2/NDF: 7722491.2/65

In: 35.753+/-0.005 χ^2/NDF:4656047.8/53

Out: 35.443+/-0.005 χ^2/NDF:7289864.1/59

All: 35.598+/-0.003 χ^2/NDF: 11948134.3/113

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 25.4/34

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

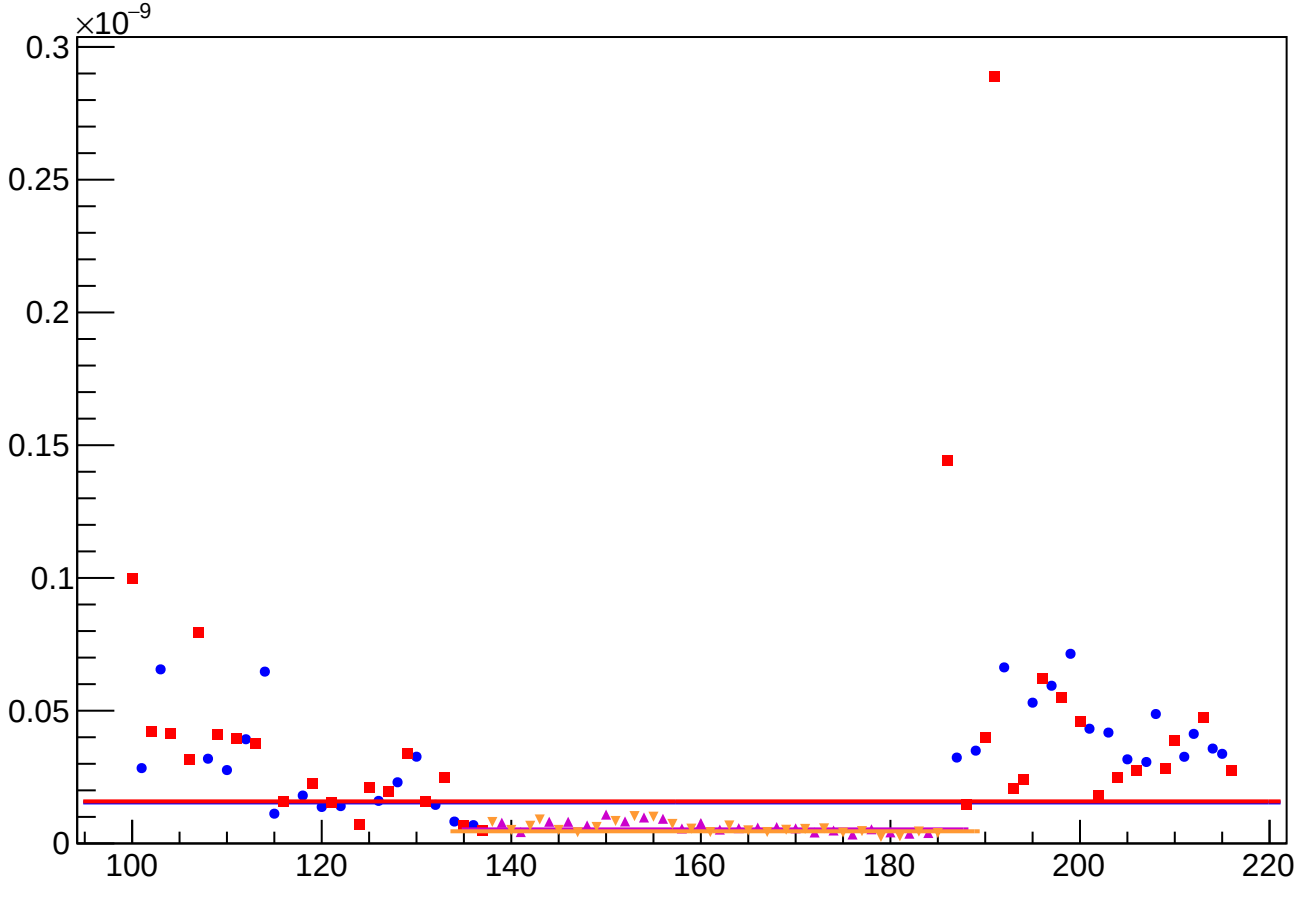
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 70.3/65

In: 0.000+/-0.000 χ^2/NDF:56.7/53

Out: -0.000+/-0.000 χ^2/NDF:46.5/59

All: 0.000+/-0.000 χ^2/NDF: 103.2/113



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: 7695086.0/34

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

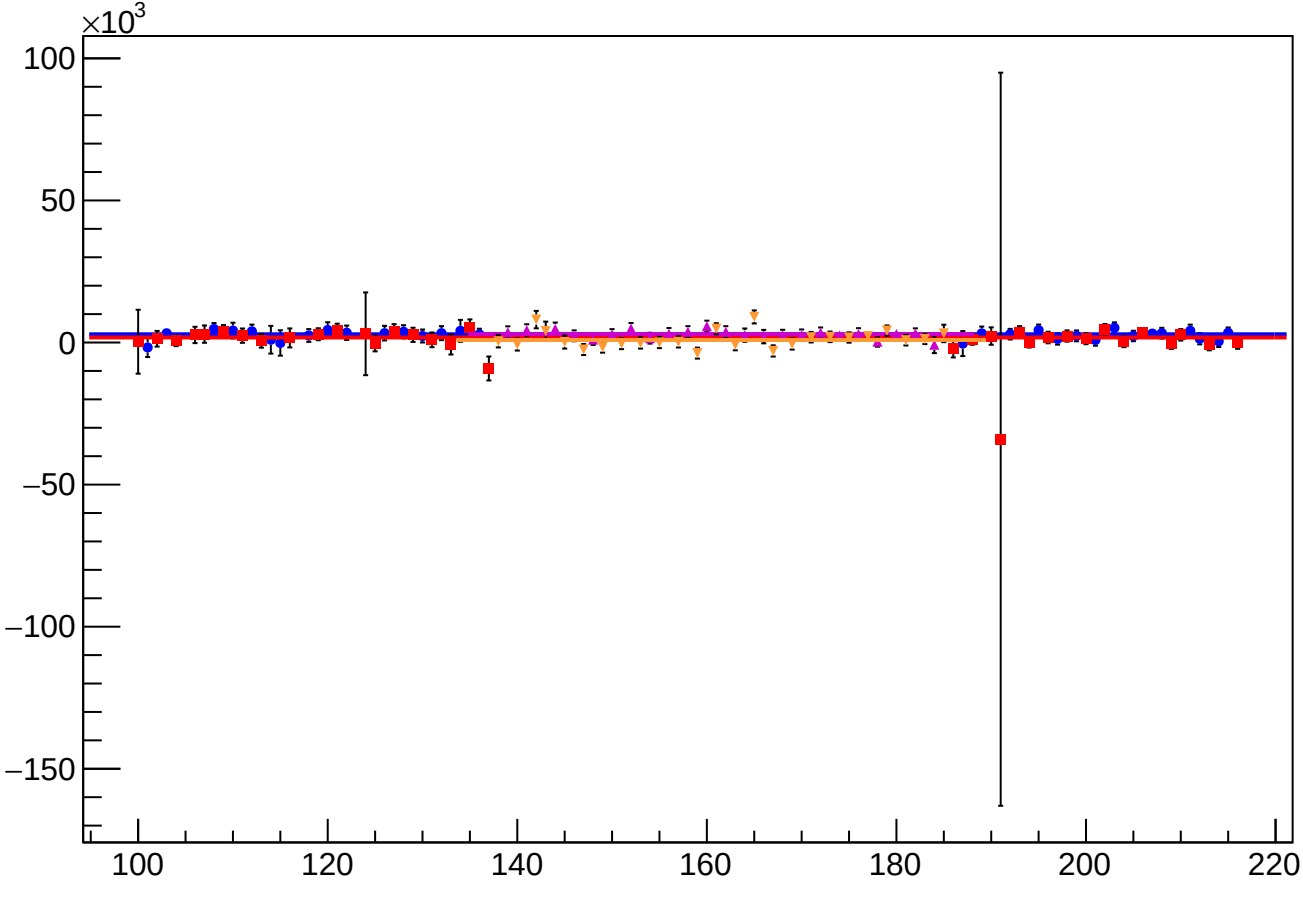
Right: 0.000+/-0.000 χ^2/NDF: 16991013.3/65

In: 0.000+/-0.000 χ^2/NDF:16997008.8/53

Out: 0.000+/-0.000 χ^2/NDF:16628380.8/59

All: 0.000+/-0.000 χ^2/NDF: 33953290.5/113

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: 1782.773+/-400.186 χ^2/NDF: 25.9/34

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

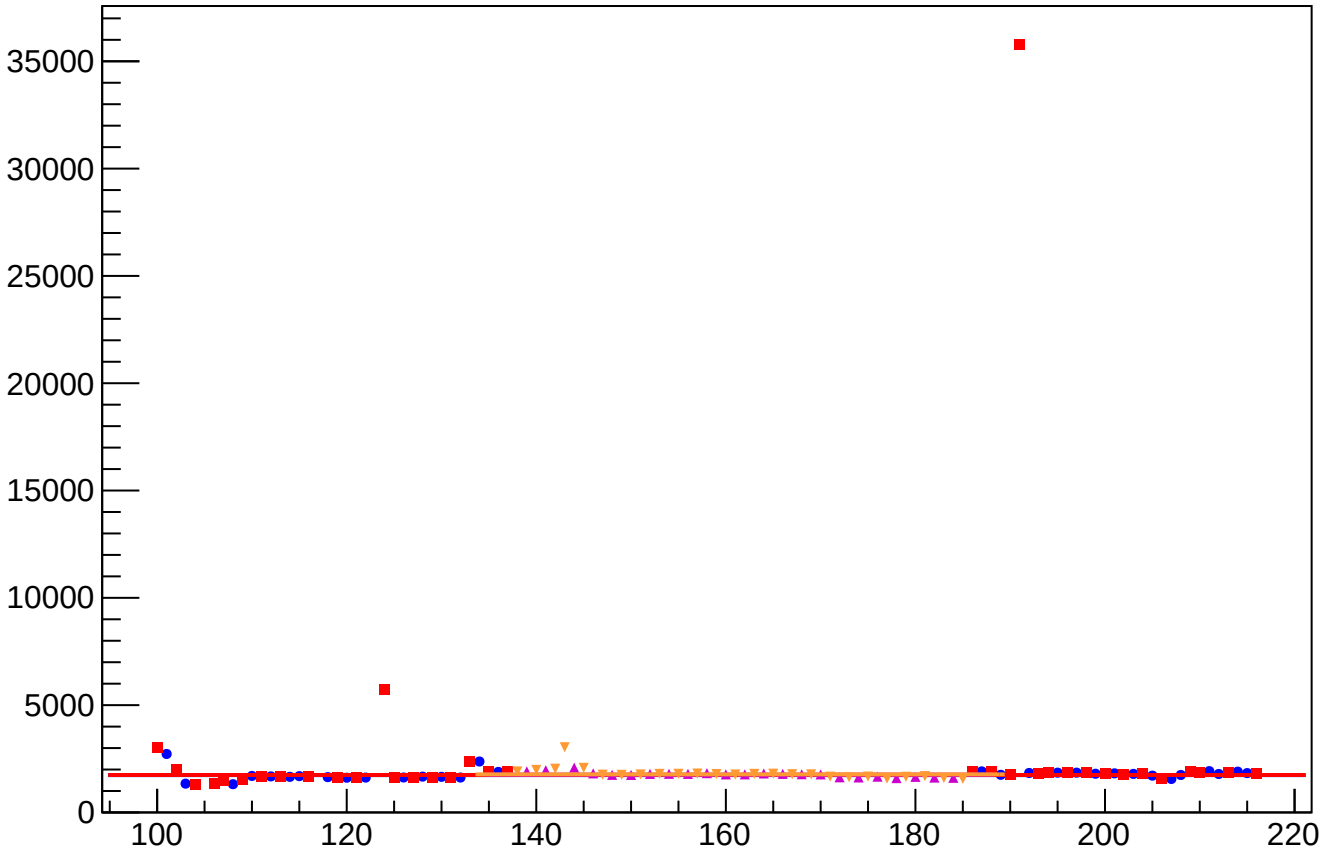
Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

Right: 2341.366+/-282.688 χ^2/NDF: 41.1/65

In: 2919.780+/-286.784 χ^2/NDF:21.9/53

Out: 1346.721+/-284.848 χ^2/NDF:73.5/59

All: 2127.924+/-202.099 χ^2/NDF: 110.6/113



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: 1745.261+/-0.283 χ^2/NDF: 726000.2/34

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

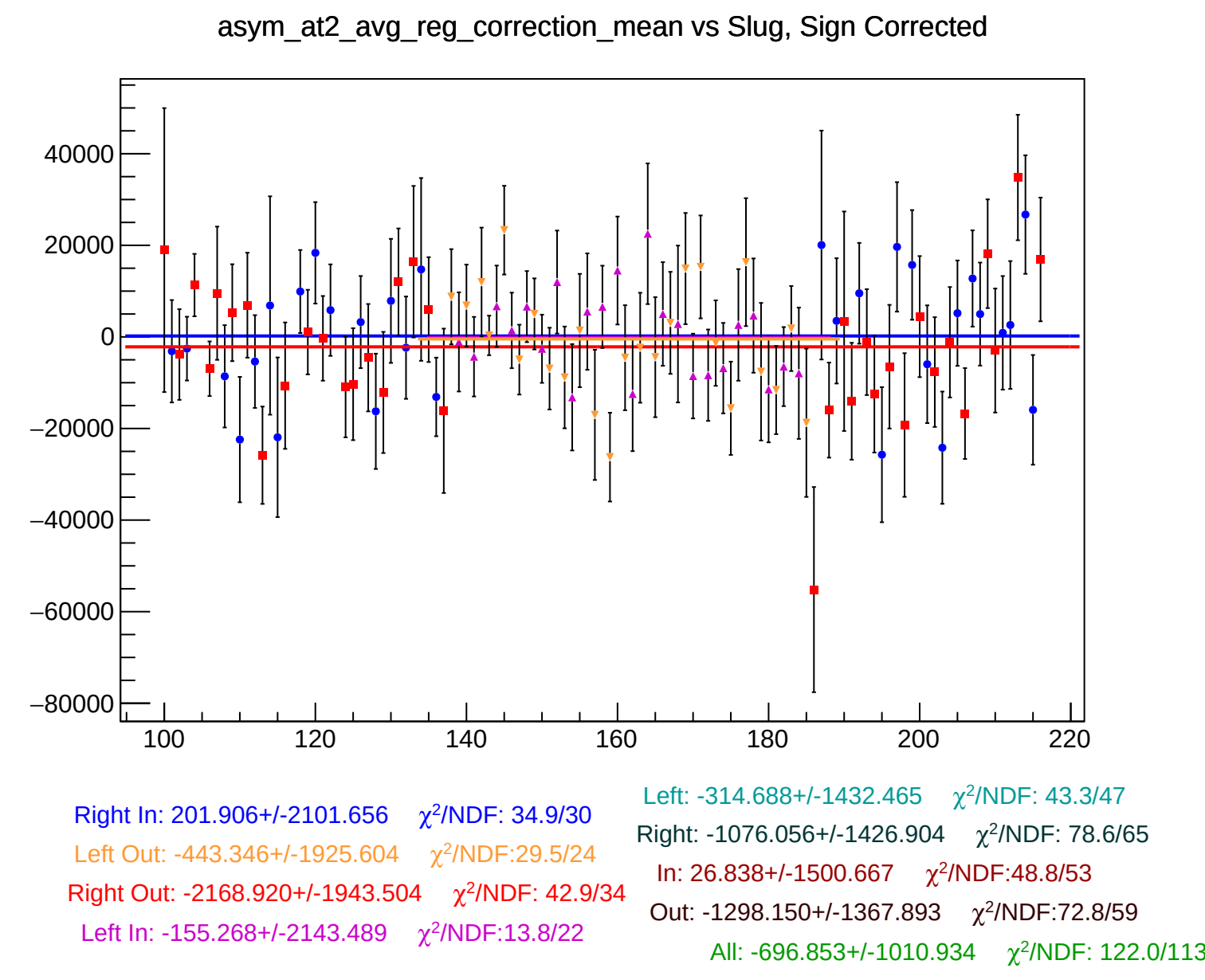
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

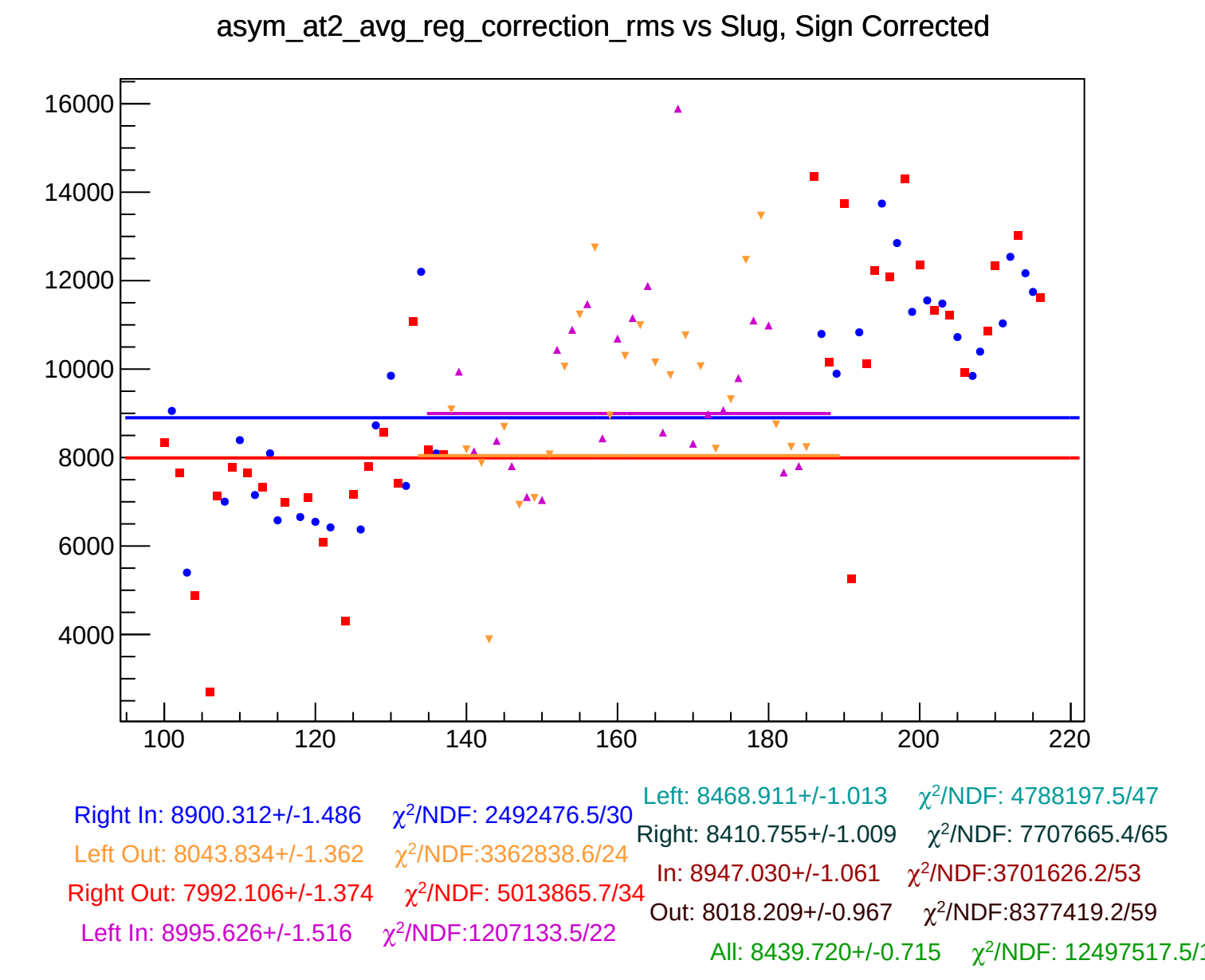
Right: 1742.983+/-0.200 χ^2/NDF: 1258773.9/65

In: 1750.583+/-0.203 χ^2/NDF:681432.0/53

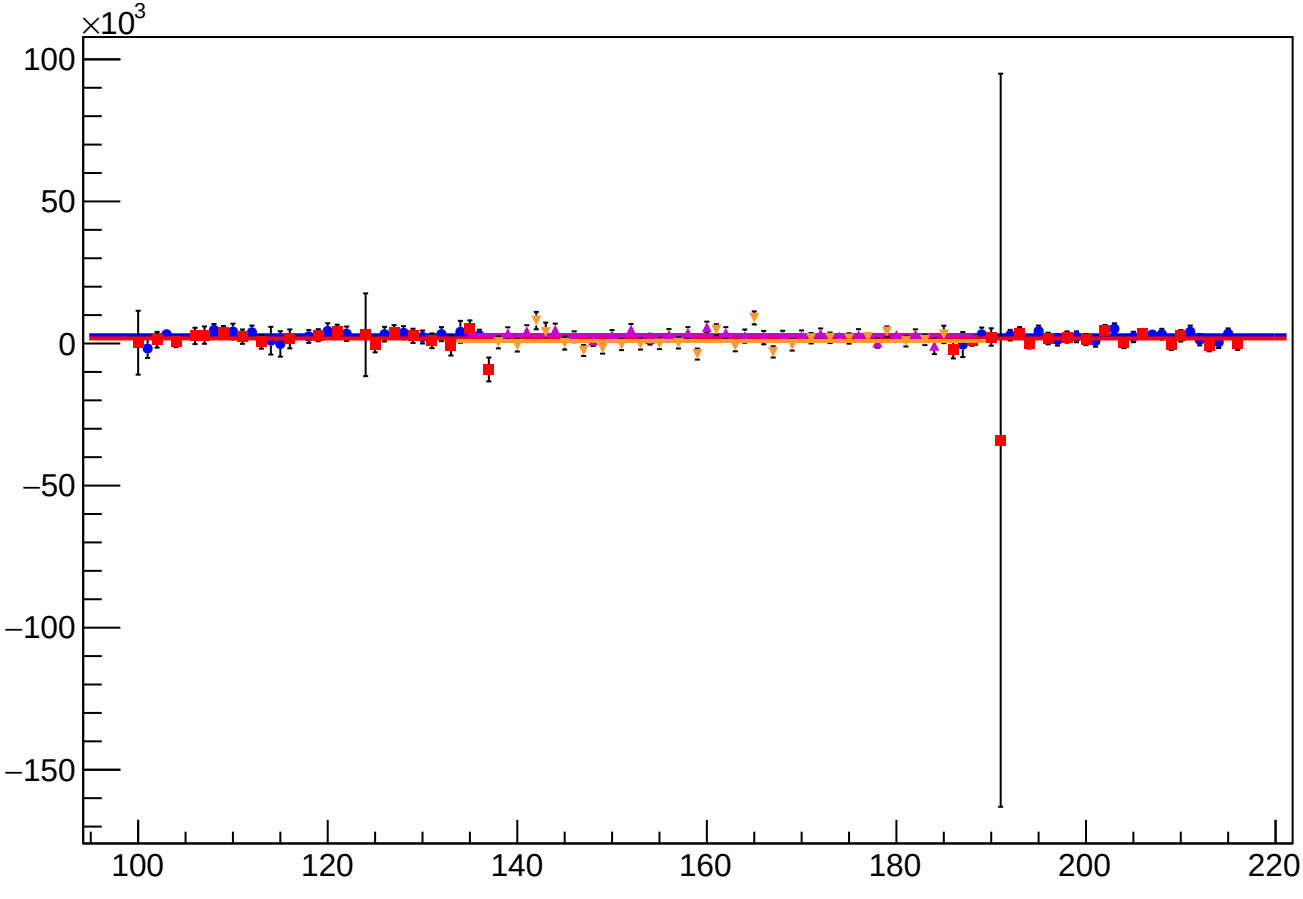
Out: 1759.800+/-0.201 χ^2/NDF:1178246.9/59

All: 1755.223+/-0.143 χ^2/NDF: 1860718.8/11


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 201.906+/-2101.656 χ²/NDF: 34.9/30
Left Out: -443.346+/-1925.604 χ²/NDF:29.5/24
Right Out: -2168.920+/-1943.504 χ²/NDF: 42.9/34
Left In: -155.268+/-2143.489 χ²/NDF:13.8/22
Left: -314.688+/-1432.465 χ²/NDF: 43.3/47
Right: -1076.056+/-1426.904 χ²/NDF: 78.6/65
In: 26.838+/-1500.667 χ²/NDF:48.8/53
Out: -1298.150+/-1367.893 χ²/NDF:72.8/59
All: -696.853+/-1010.934 χ²/NDF: 122.0/113


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: 7992.106+/-1.374 χ²/NDF: 5013865.7/34
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 8410.755+/-1.009 χ²/NDF: 7707665.4/65
In: 8947.030+/-1.061 χ²/NDF:3701626.2/53
Out: 8018.209+/-0.967 χ²/NDF:8377419.2/59
All: 8439.720+/-0.715 χ²/NDF: 12497517.5/1

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: 1782.711+/-400.186 χ^2/NDF: 25.9/34

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

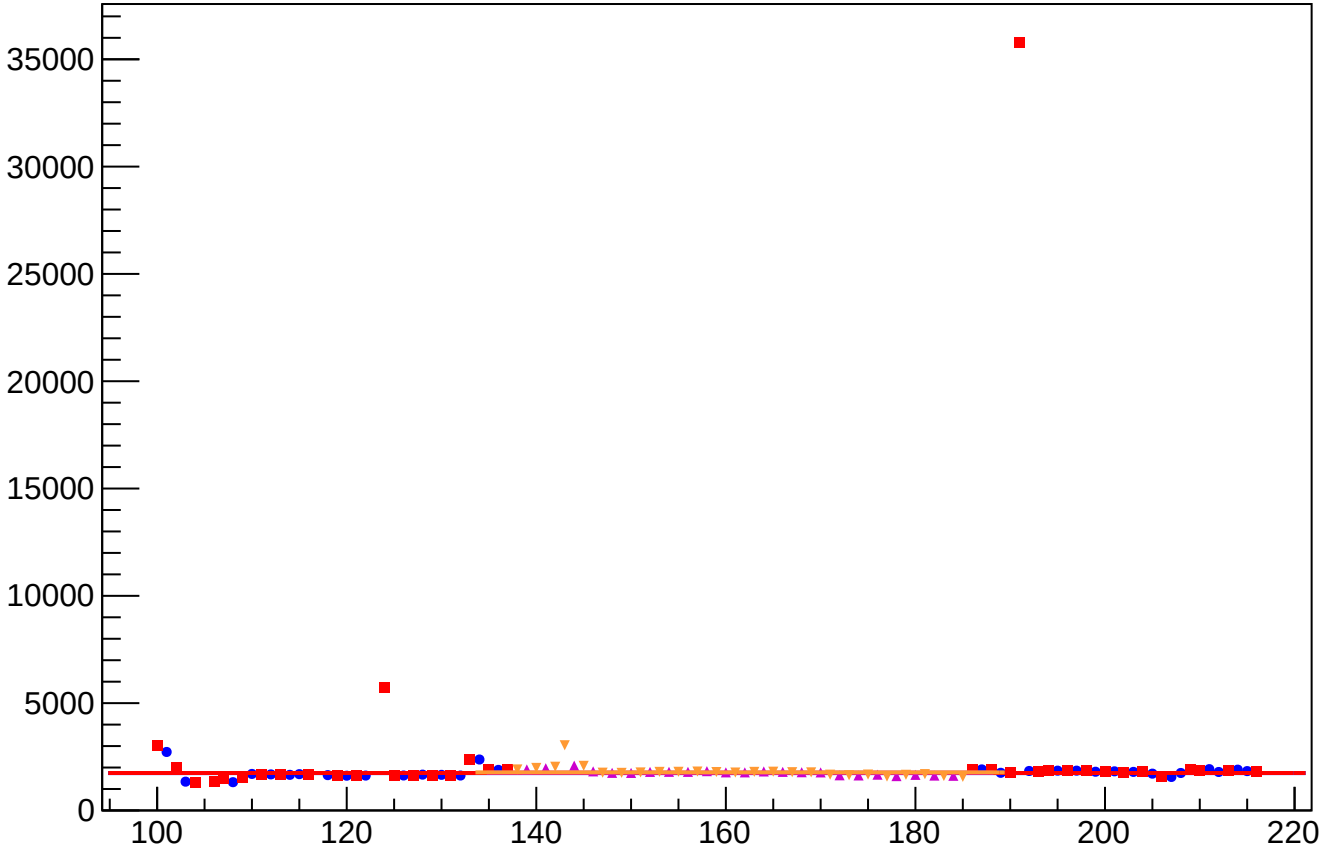
Right: 2341.348+/-282.688 χ^2/NDF: 41.1/65

In: 2919.738+/-286.784 χ^2/NDF:21.9/53

Out: 1346.650+/-284.848 χ^2/NDF:73.5/59

All: 2127.868+/-202.099 χ^2/NDF: 110.6/113

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: 1745.261+/-0.283 χ^2/NDF: 726000.5/34

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

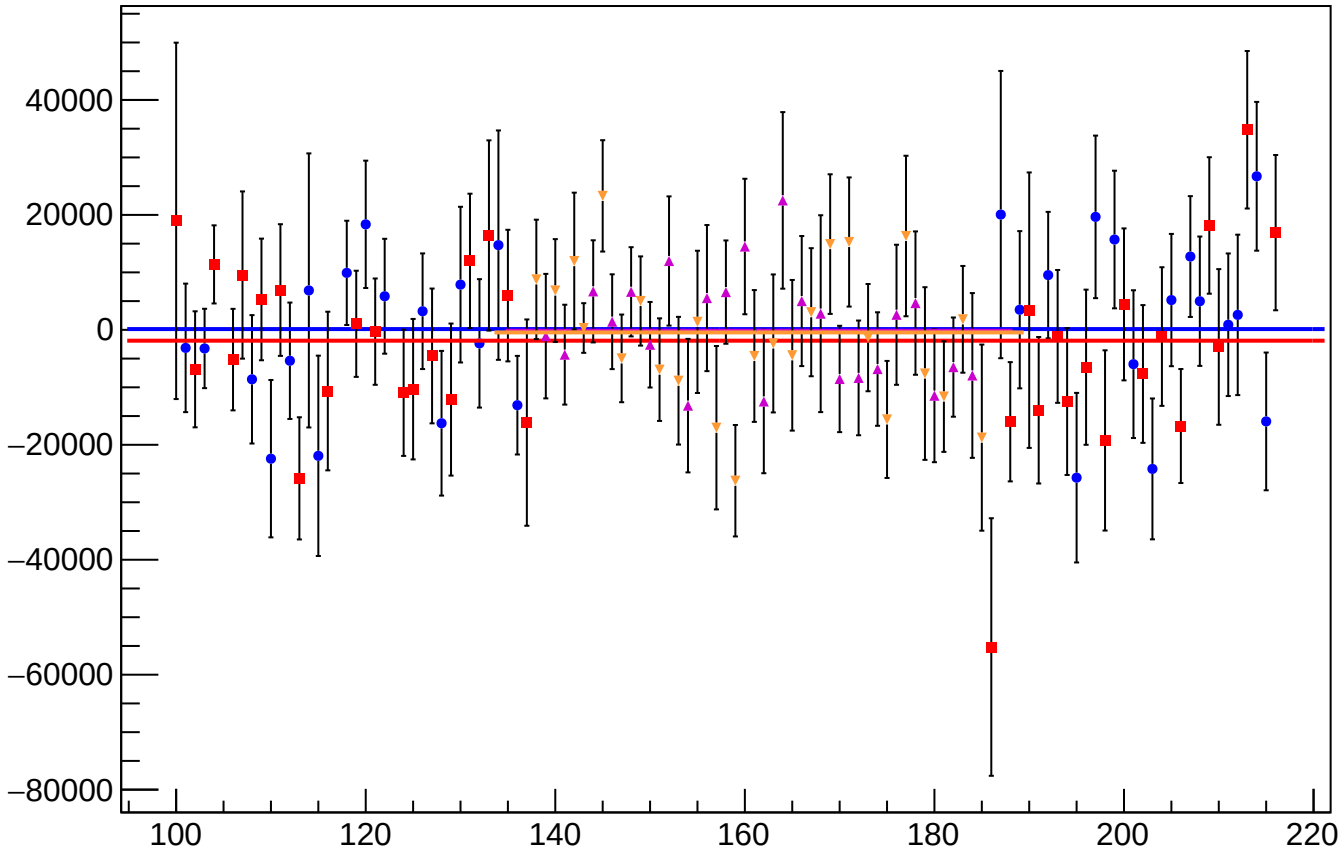
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1742.983+/-0.200 χ^2/NDF: 1258774.6/65

In: 1750.583+/-0.203 χ^2/NDF:681432.5/53

Out: 1759.800+/-0.201 χ^2/NDF:1178247.1/59

All: 1755.223+/-0.143 χ^2/NDF: 1860719.5/11



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: -1886.424+/-2003.153 χ^2/NDF: 42.6/34

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

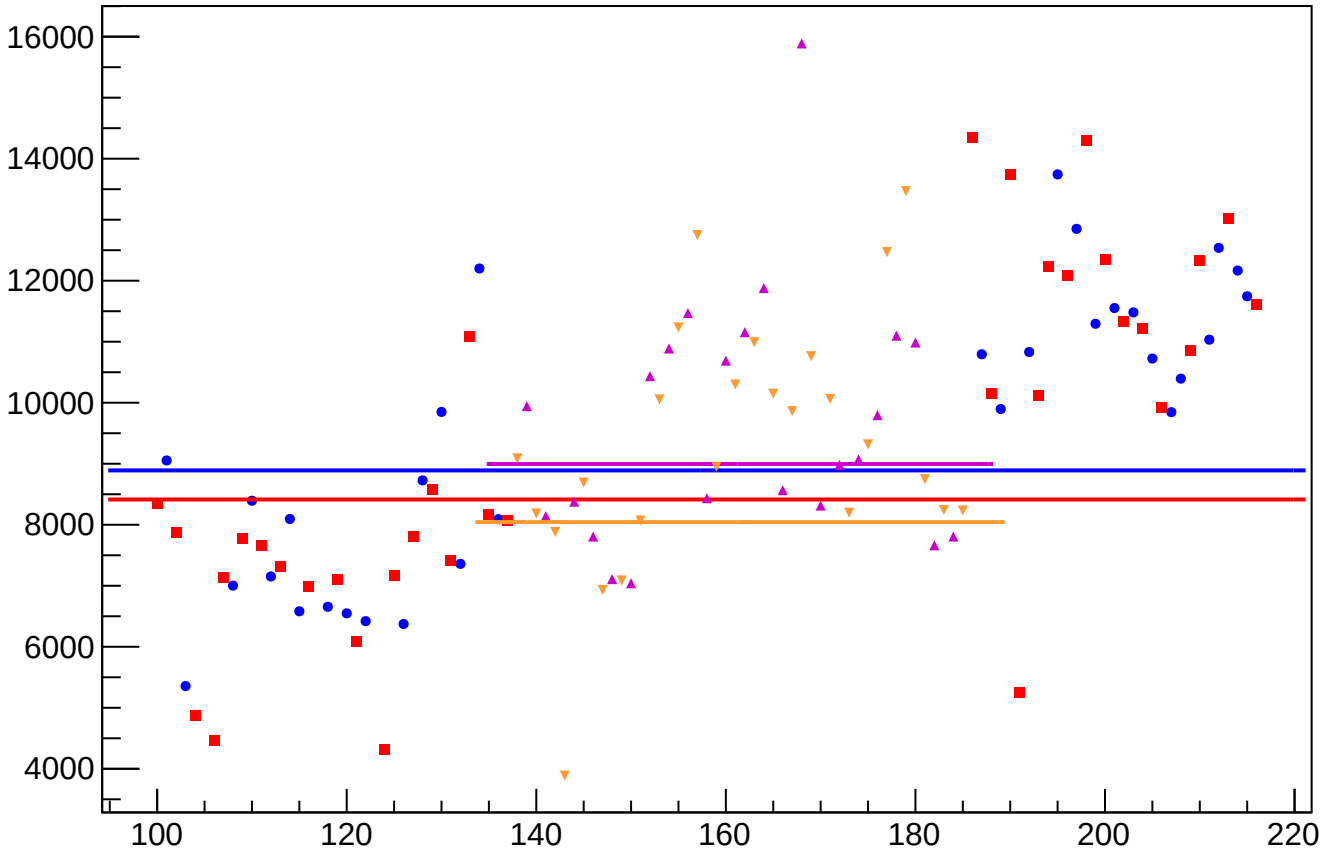
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -923.532+/-1449.474 χ^2/NDF: 78.2/65

In: -7.287+/-1500.066 χ^2/NDF:48.8/53

Out: -1136.432+/-1388.213 χ^2/NDF:72.4/59

All: -615.522+/-1018.865 χ^2/NDF: 121.5/113



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: 8413.971+/-1.416 χ^2/NDF: 3672964.1/34

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

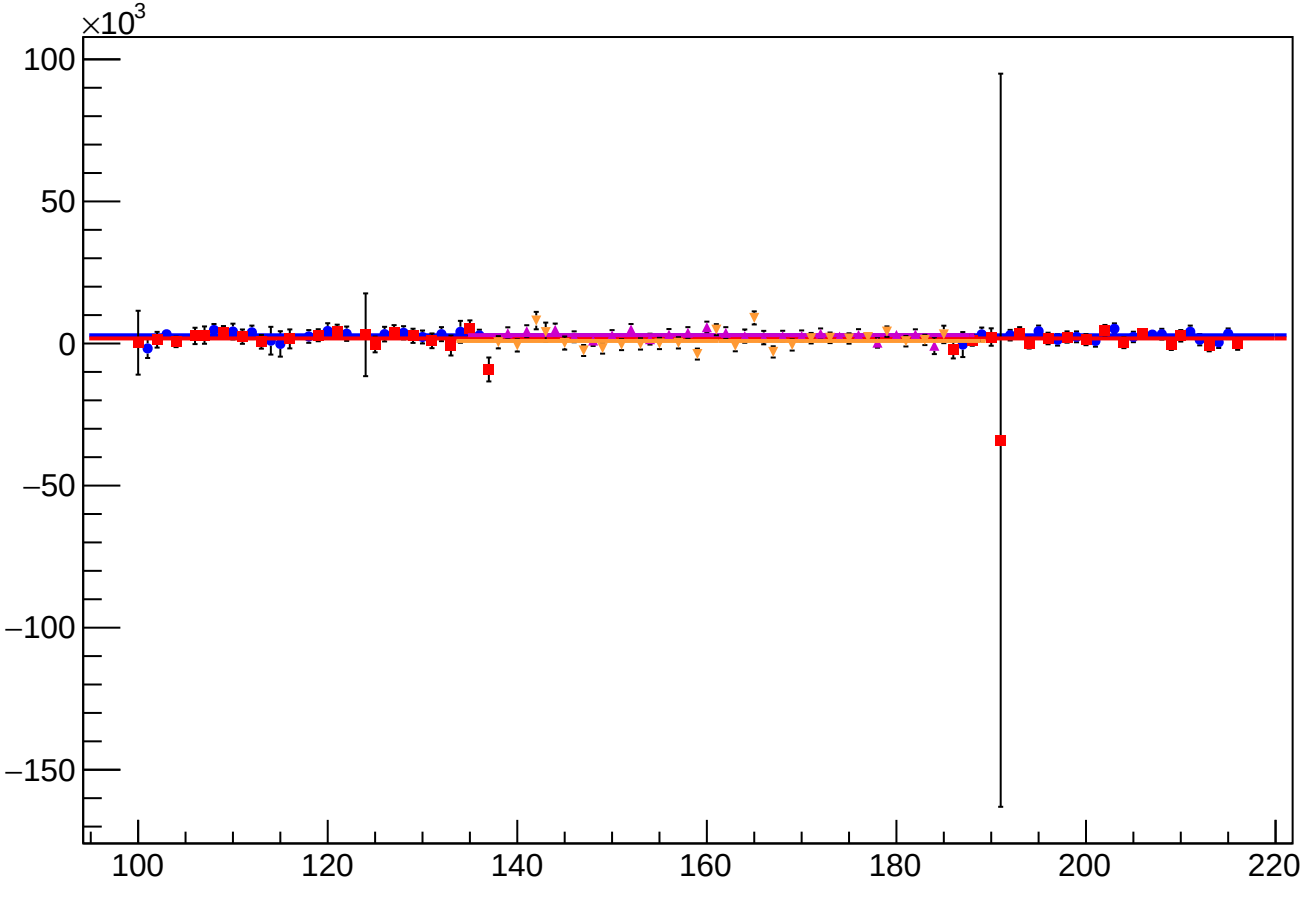
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8641.182+/-1.025 χ^2/NDF: 6240600.3/65

In: 8942.184+/-1.061 χ^2/NDF:3723199.9/53

Out: 8221.586+/-0.982 χ^2/NDF:7071374.8/59

All: 8554.020+/-0.720 χ^2/NDF: 11043183.9/1



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: 1782.711+/-400.186 χ^2/NDF: 25.9/34

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

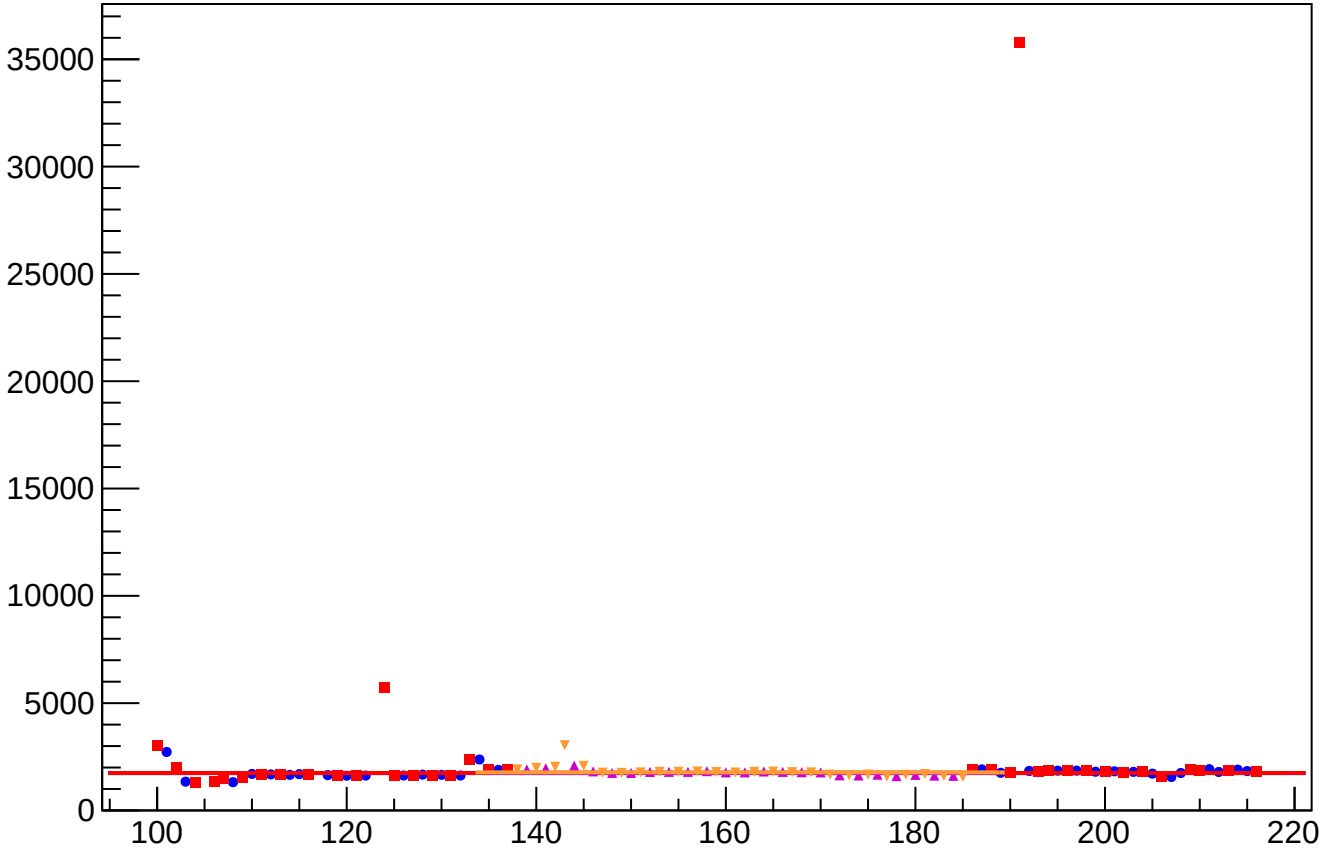
Right: 2341.348+/-282.688 χ^2/NDF: 41.1/65

In: 2919.738+/-286.784 χ^2/NDF:21.9/53

Out: 1346.650+/-284.848 χ^2/NDF:73.5/59

All: 2127.868+/-202.099 χ^2/NDF: 110.6/113

eigen_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: 1745.261+/-0.283 χ^2/NDF: 726000.5/34

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

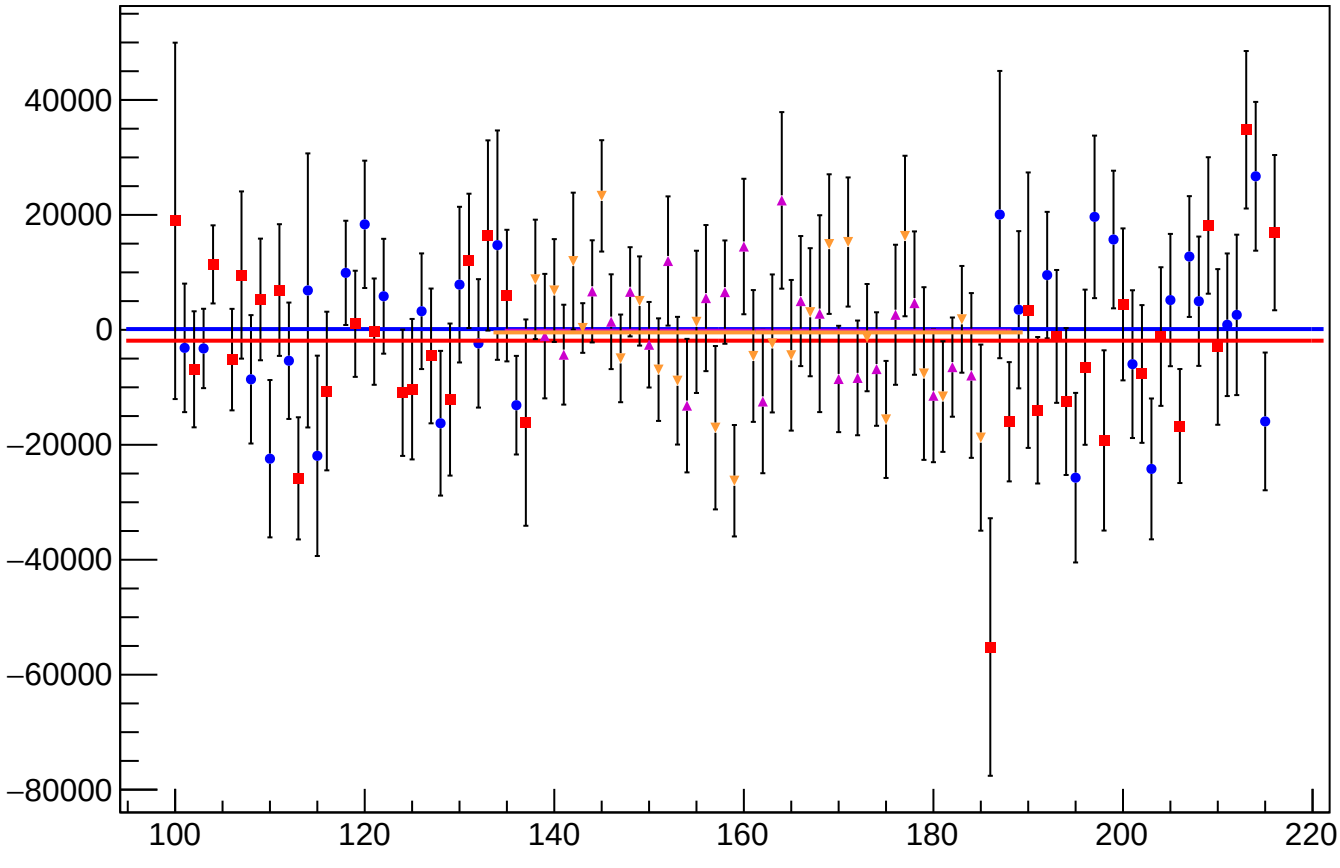
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1742.983+/-0.200 χ^2/NDF: 1258774.6/65

In: 1750.583+/-0.203 χ^2/NDF:681432.5/53

Out: 1759.800+/-0.201 χ^2/NDF:1178247.1/59

All: 1755.223+/-0.143 χ^2/NDF: 1860719.5/11



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: -1886.424+/-2003.153 χ^2/NDF: 42.6/34

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

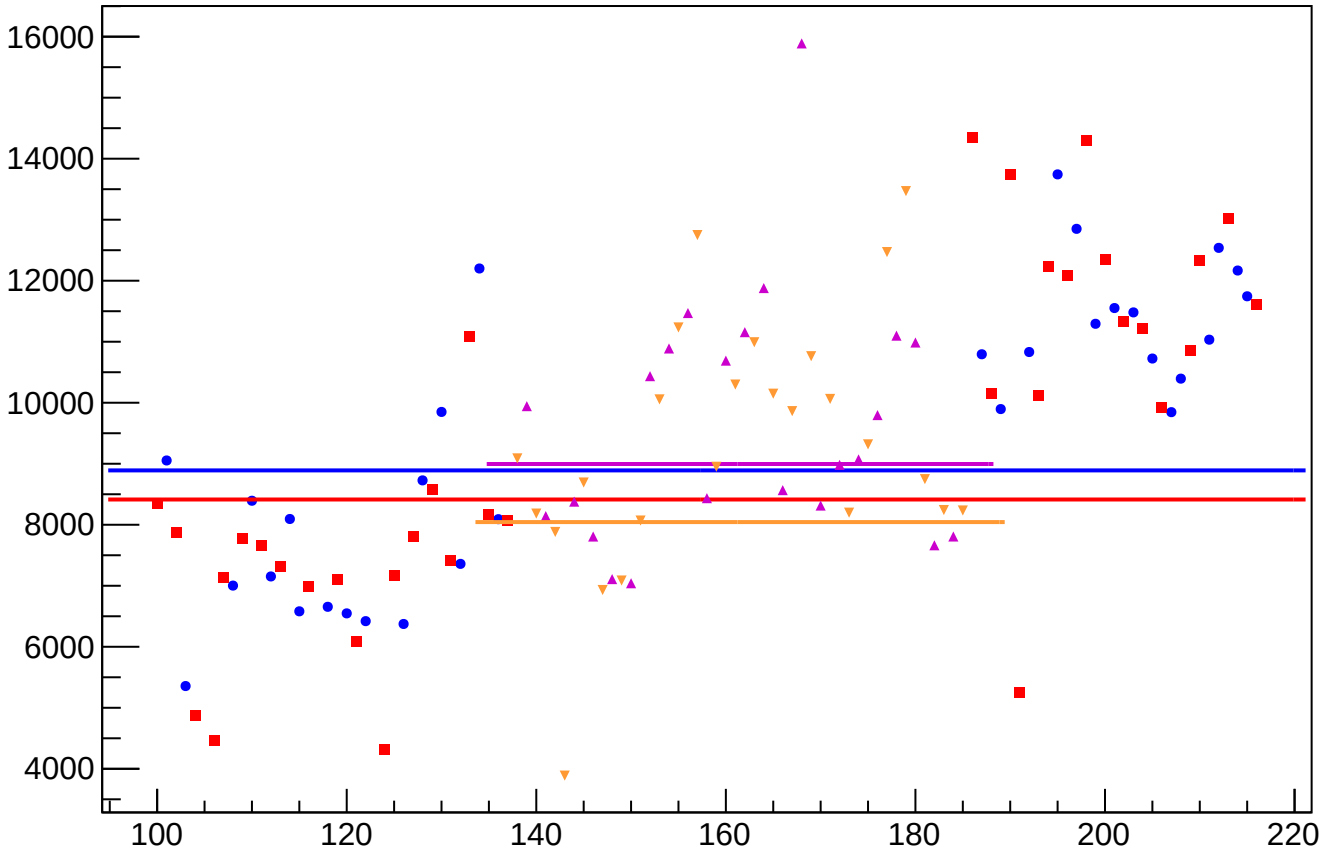
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -923.532+/-1449.474 χ^2/NDF: 78.2/65

In: -7.287+/-1500.066 χ^2/NDF:48.8/53

Out: -1136.432+/-1388.213 χ^2/NDF:72.4/59

All: -615.522+/-1018.865 χ^2/NDF: 121.5/113



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: 8413.971+/-1.416 χ^2/NDF: 3672964.1/34

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

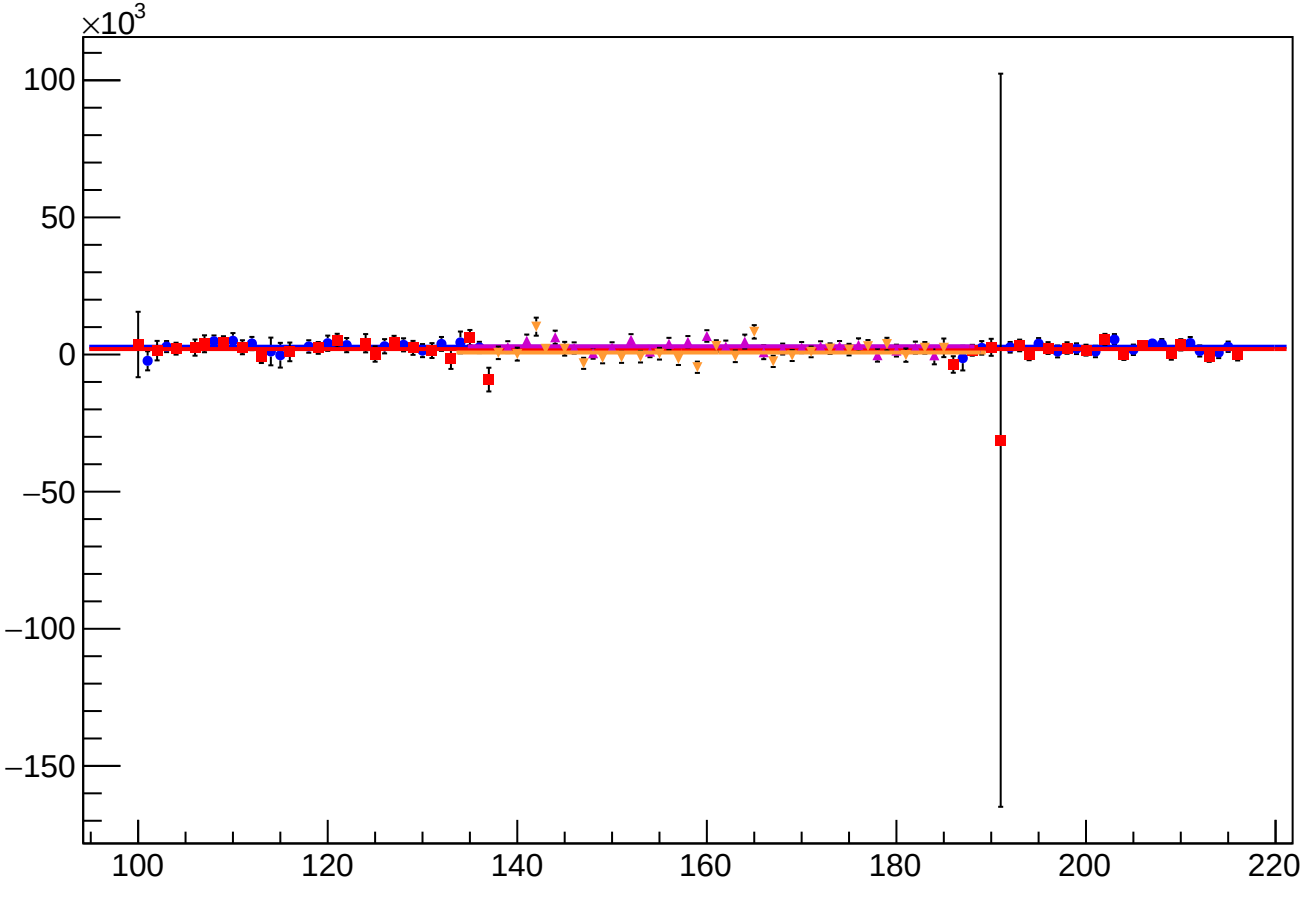
Right: 8641.182+/-1.025 χ^2/NDF: 6240600.3/65

In: 8942.184+/-1.061 χ^2/NDF:3723199.9/53

Out: 8221.586+/-0.982 χ^2/NDF:7071374.8/59

All: 8554.020+/-0.720 χ^2/NDF: 11043183.9/1

dit_asym_at2_avg_mean vs Slug, Sign Corrected



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: 1994.302+/-411.386 χ^2/NDF: 30.5/34

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

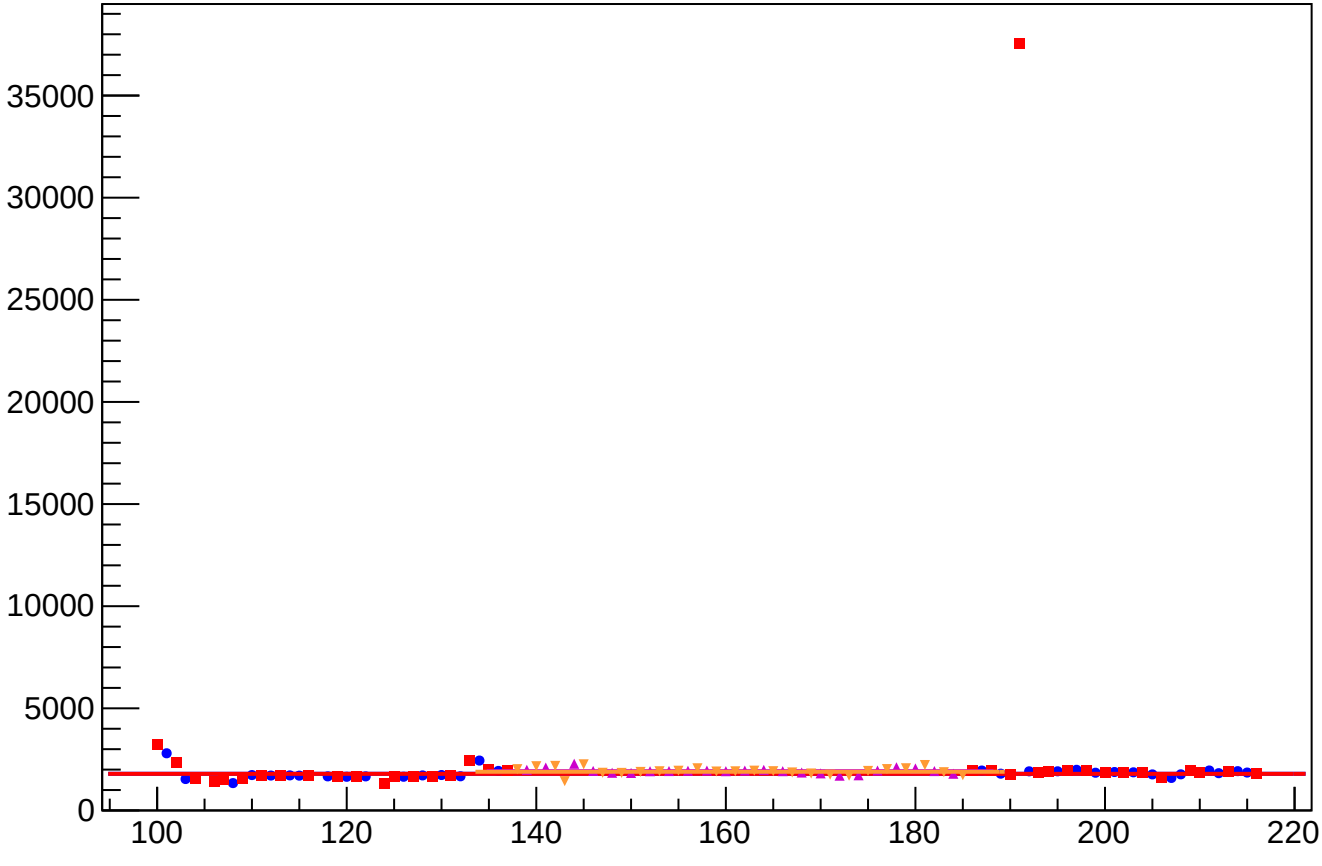
Right: 2422.295+/-291.036 χ^2/NDF: 45.6/65

In: 2909.459+/-303.894 χ^2/NDF:28.6/53

Out: 1398.599+/-298.203 χ^2/NDF:76.6/59

All: 2139.750+/-212.845 χ^2/NDF: 117.8/113

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: 1792.651+/-0.291 χ^2/NDF: 585333.4/34

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

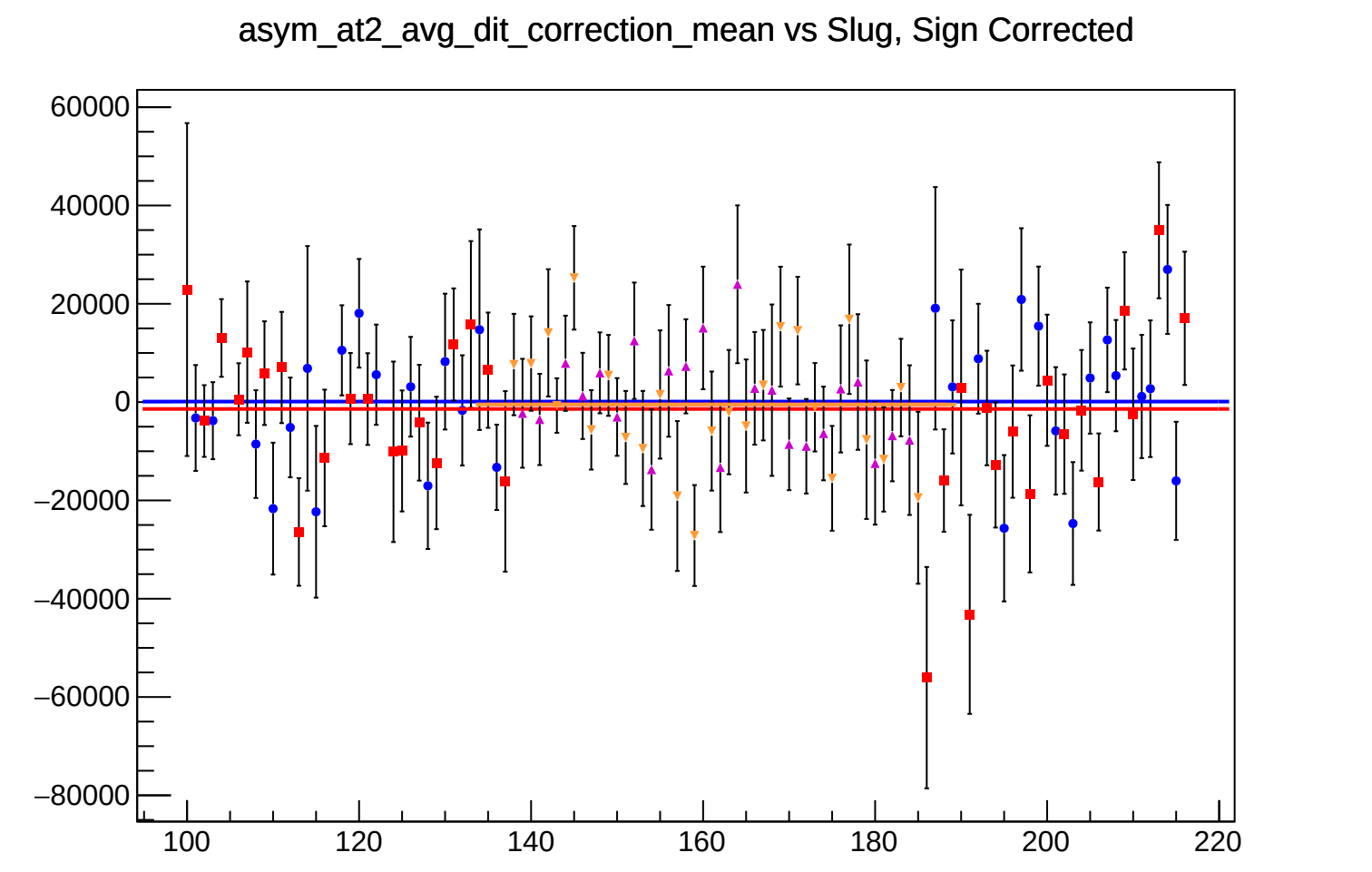
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1794.002+/-0.206 χ^2/NDF: 1065004.0/65

In: 1853.500+/-0.215 χ^2/NDF:718165.7/53

Out: 1841.064+/-0.211 χ^2/NDF:1012314.4/59

All: 1847.164+/-0.150 χ^2/NDF: 1732186.6/11



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: -1397.683+/-2011.549 χ^2/NDF: 44.8/34

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

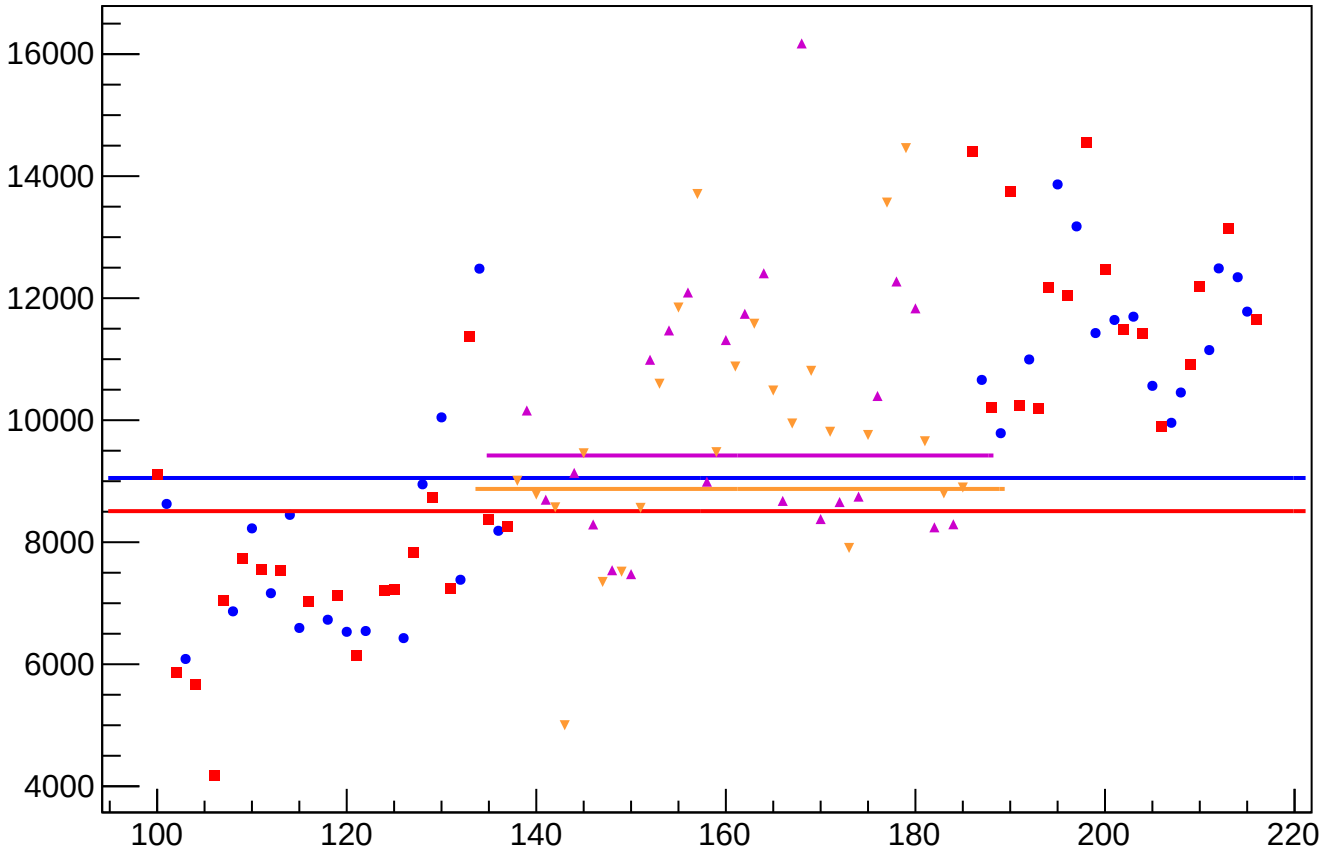
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -688.208+/-1463.147 χ^2/NDF: 79.9/65

In: -149.844+/-1546.060 χ^2/NDF:48.4/53

Out: -955.901+/-1449.066 χ^2/NDF:73.8/59

All: -578.949+/-1057.272 χ^2/NDF: 122.3/113



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: 8509.603+/-1.422 χ^2/NDF: 3546153.6/34

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

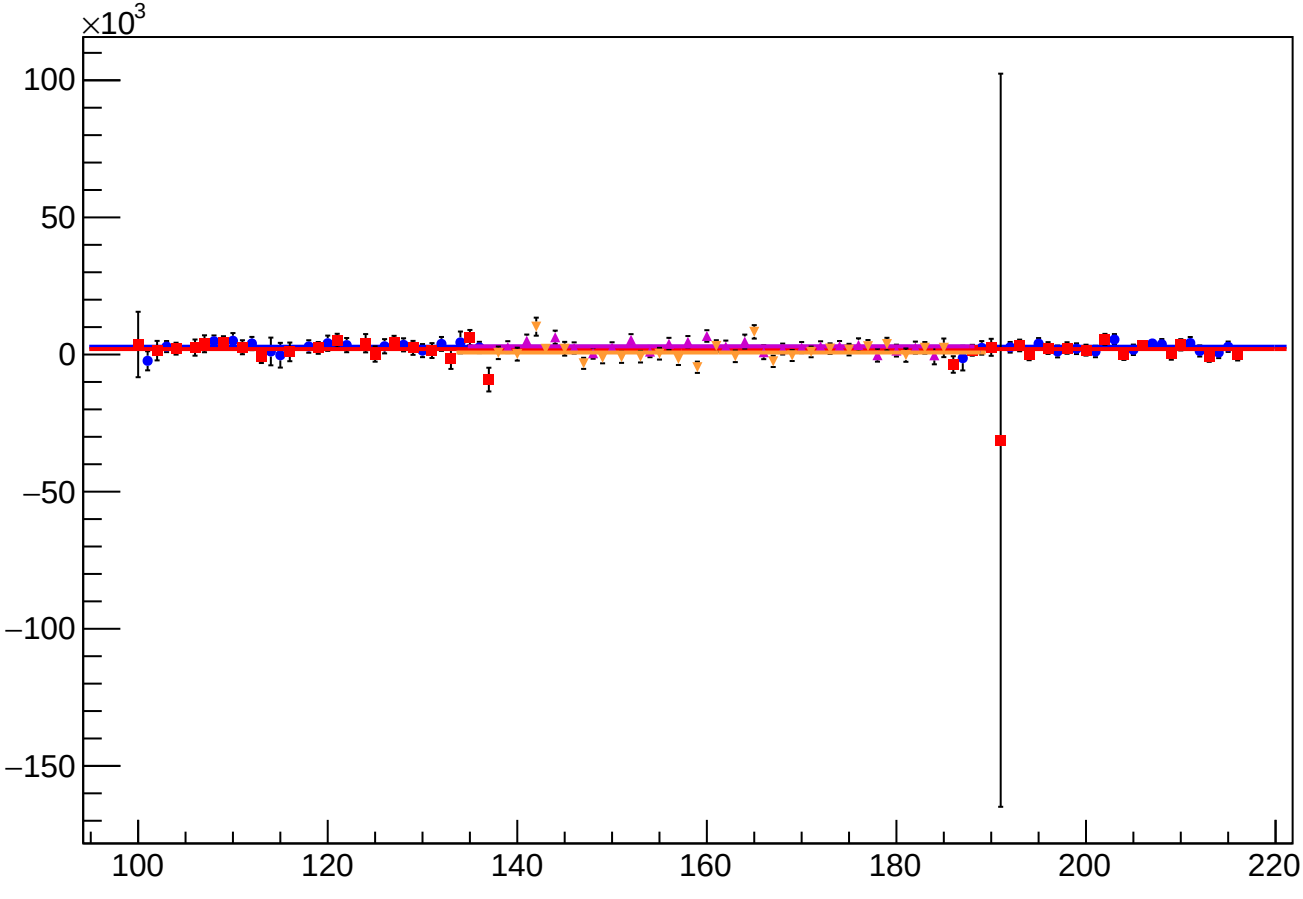
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8765.446+/-1.035 χ^2/NDF: 5899232.2/65

In: 9227.772+/-1.093 χ^2/NDF:3517606.1/53

Out: 8684.705+/-1.025 χ^2/NDF:5780906.0/59

All: 8938.670+/-0.748 χ^2/NDF: 9429877.6/11



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: 1994.302+/-411.386 χ^2/NDF: 30.5/34

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

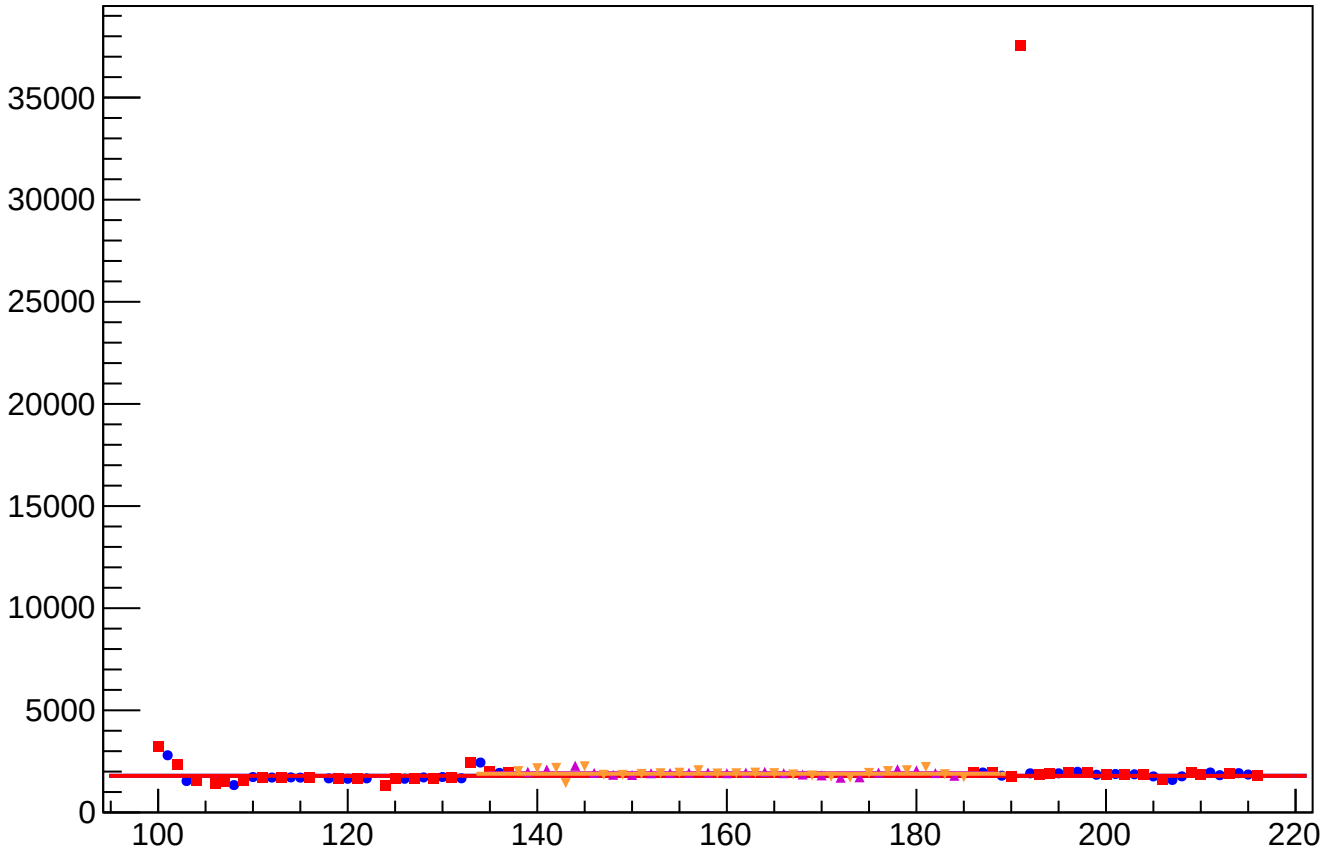
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2422.292+/-291.036 χ^2/NDF: 45.6/65

In: 2909.457+/-303.894 χ^2/NDF:28.6/53

Out: 1398.595+/-298.203 χ^2/NDF:76.6/59

All: 2139.746+/-212.845 χ^2/NDF: 117.8/113



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: 1792.651+/-0.291 χ^2/NDF: 585334.8/34

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

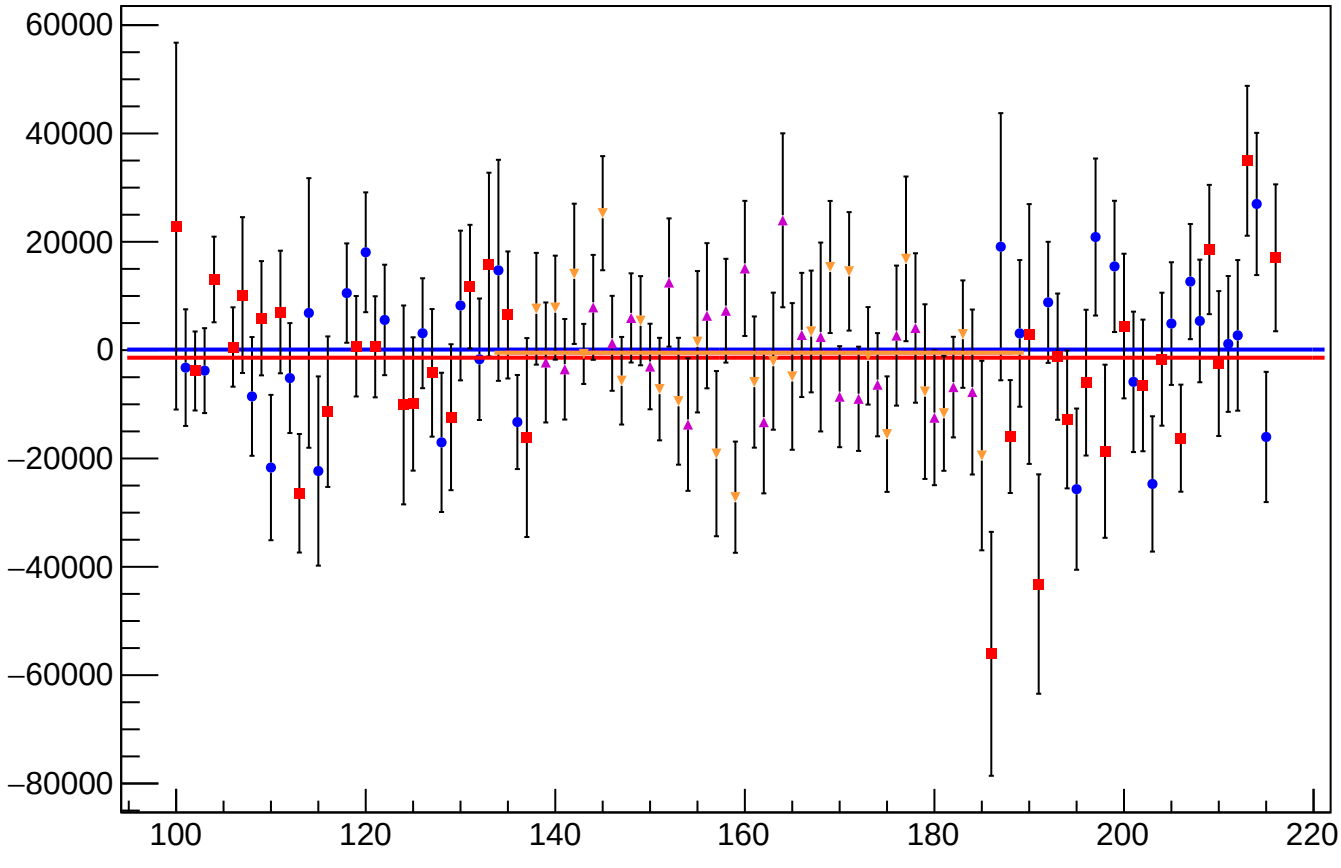
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1794.002+/-0.206 χ^2/NDF: 1065005.9/65

In: 1853.502+/-0.215 χ^2/NDF:718178.2/53

Out: 1841.065+/-0.211 χ^2/NDF:1012326.9/59

All: 1847.165+/-0.150 χ^2/NDF: 1732211.5/11



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: -1397.673+/-2011.547 χ^2/NDF: 44.8/34

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

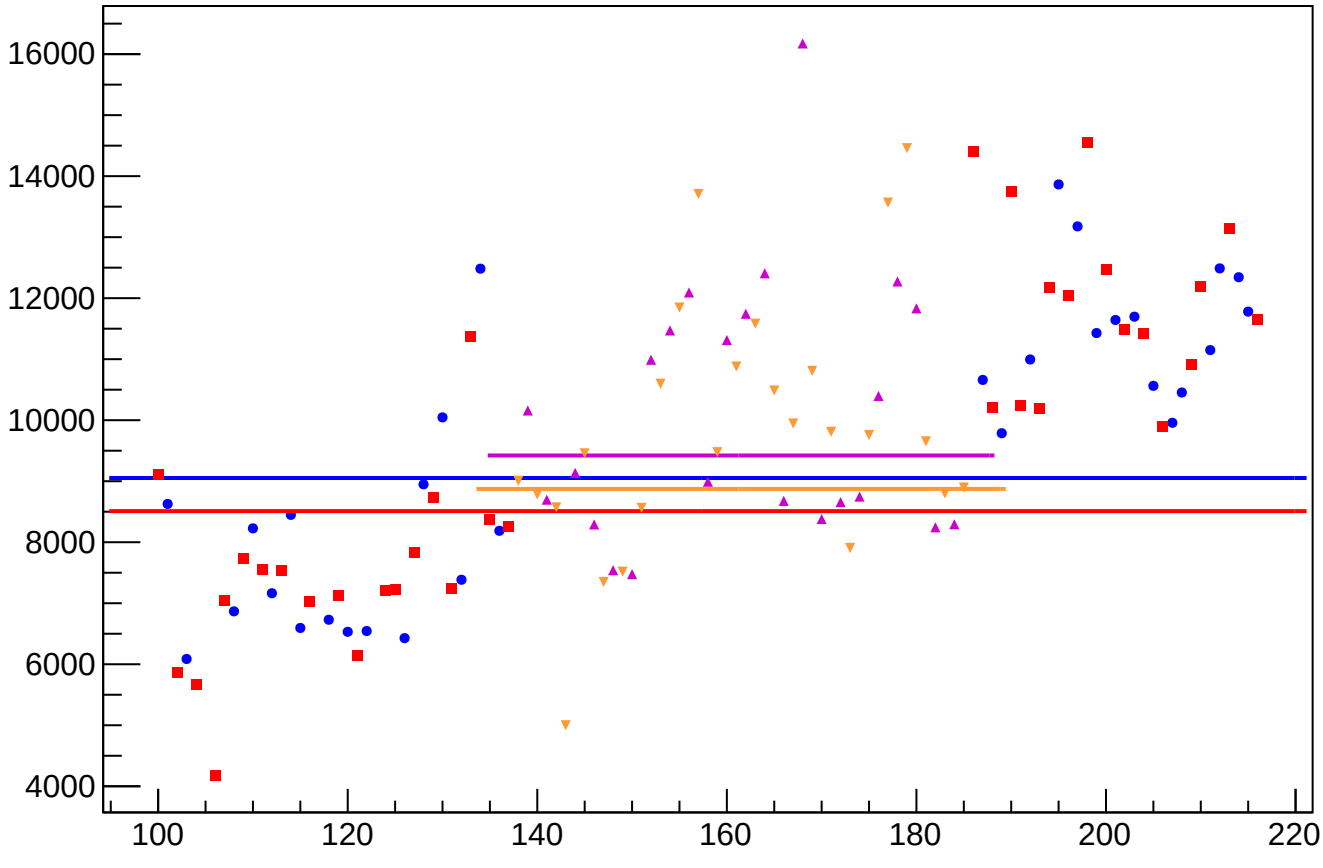
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -688.201+/-1463.146 χ^2/NDF: 79.9/65

In: -149.842+/-1546.061 χ^2/NDF:48.4/53

Out: -955.901+/-1449.066 χ^2/NDF:73.8/59

All: -578.948+/-1057.272 χ^2/NDF: 122.3/113



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: 8509.593+/-1.422 χ^2/NDF: 3546183.6/34

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

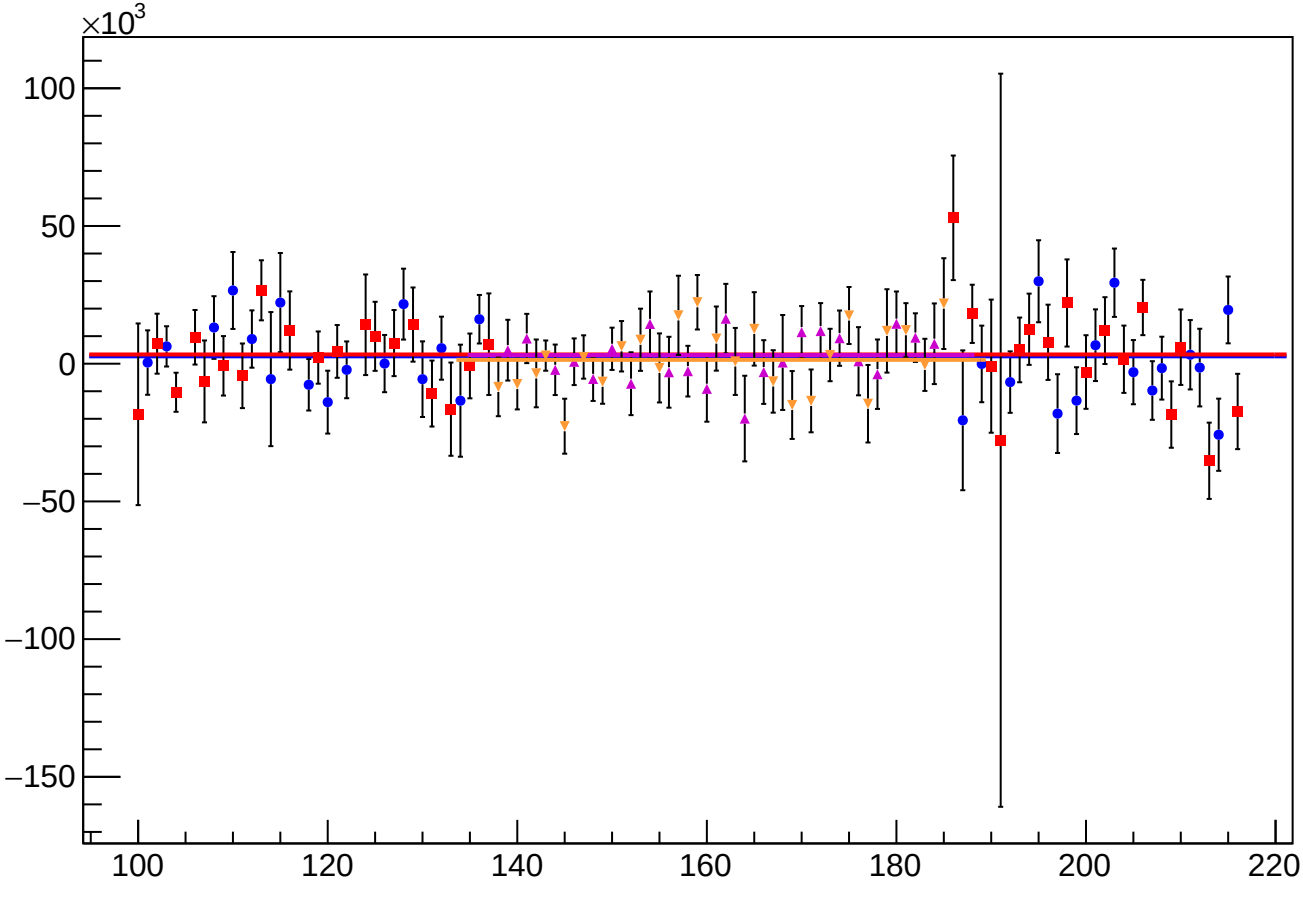
Right: 8765.436+/-1.035 χ^2/NDF: 5899297.3/65

In: 9227.773+/-1.093 χ^2/NDF:3517648.1/53

Out: 8684.706+/-1.025 χ^2/NDF:5780941.8/59

All: 8938.671+/-0.748 χ^2/NDF: 9429955.7/11

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: 3351.609+/-2109.693 χ^2/NDF: 40.9/34

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

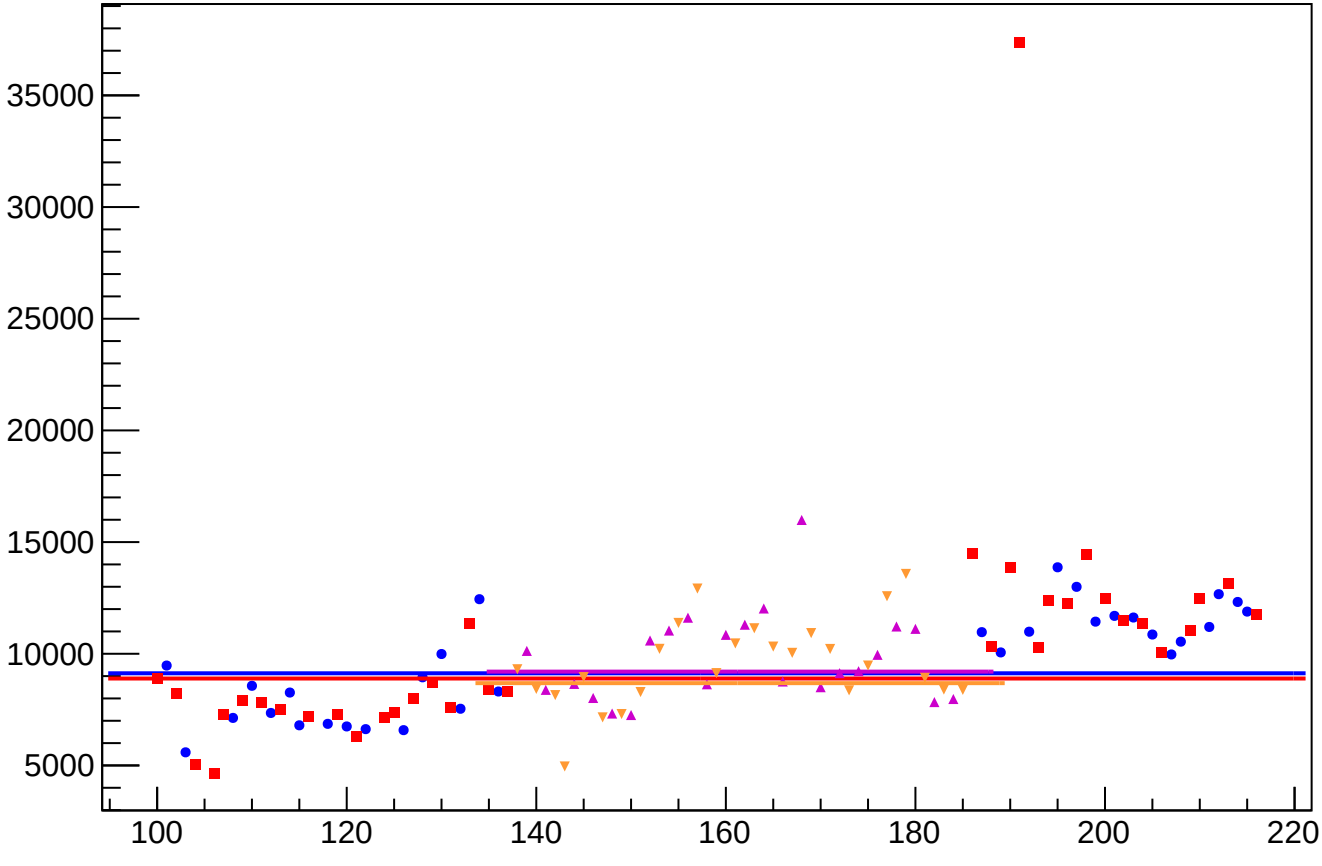
Right: 3022.499+/-1506.153 χ^2/NDF: 77.9/65

In: 2905.756+/-1534.387 χ^2/NDF:49.9/53

Out: 2347.291+/-1466.483 χ^2/NDF:68.8/59

All: 2613.893+/-1060.153 χ^2/NDF: 118.8/113

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: 8892.149+/-1.492 χ^2/NDF: 3109312.4/34

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

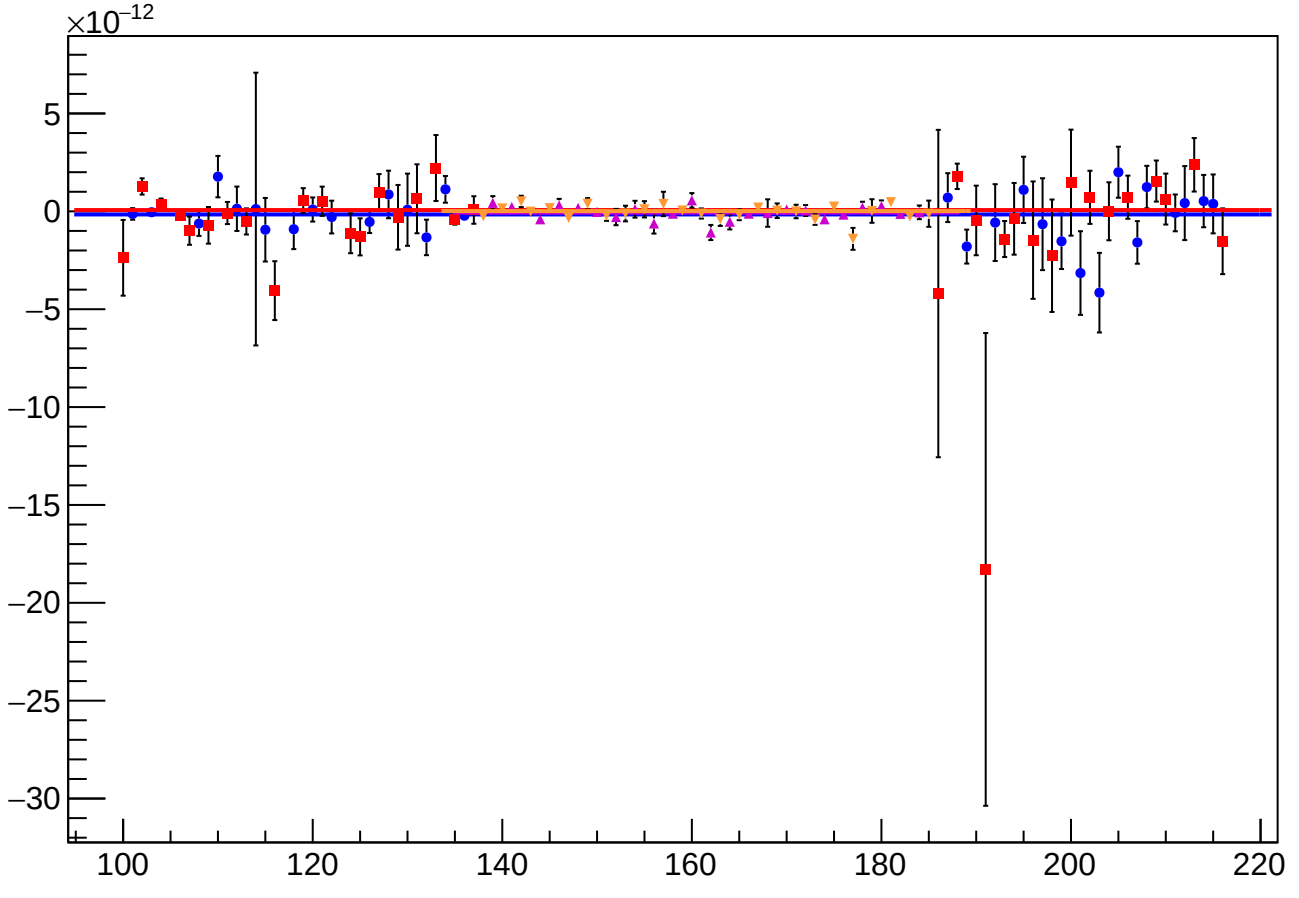
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 9006.932+/-1.065 χ^2/NDF: 5457420.3/65

In: 9162.866+/-1.085 χ^2/NDF:3466632.6/53

Out: 8784.864+/-1.037 χ^2/NDF:5170944.0/59

All: 8965.312+/-0.750 χ^2/NDF: 8701013.4/11



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: 53.2/34

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

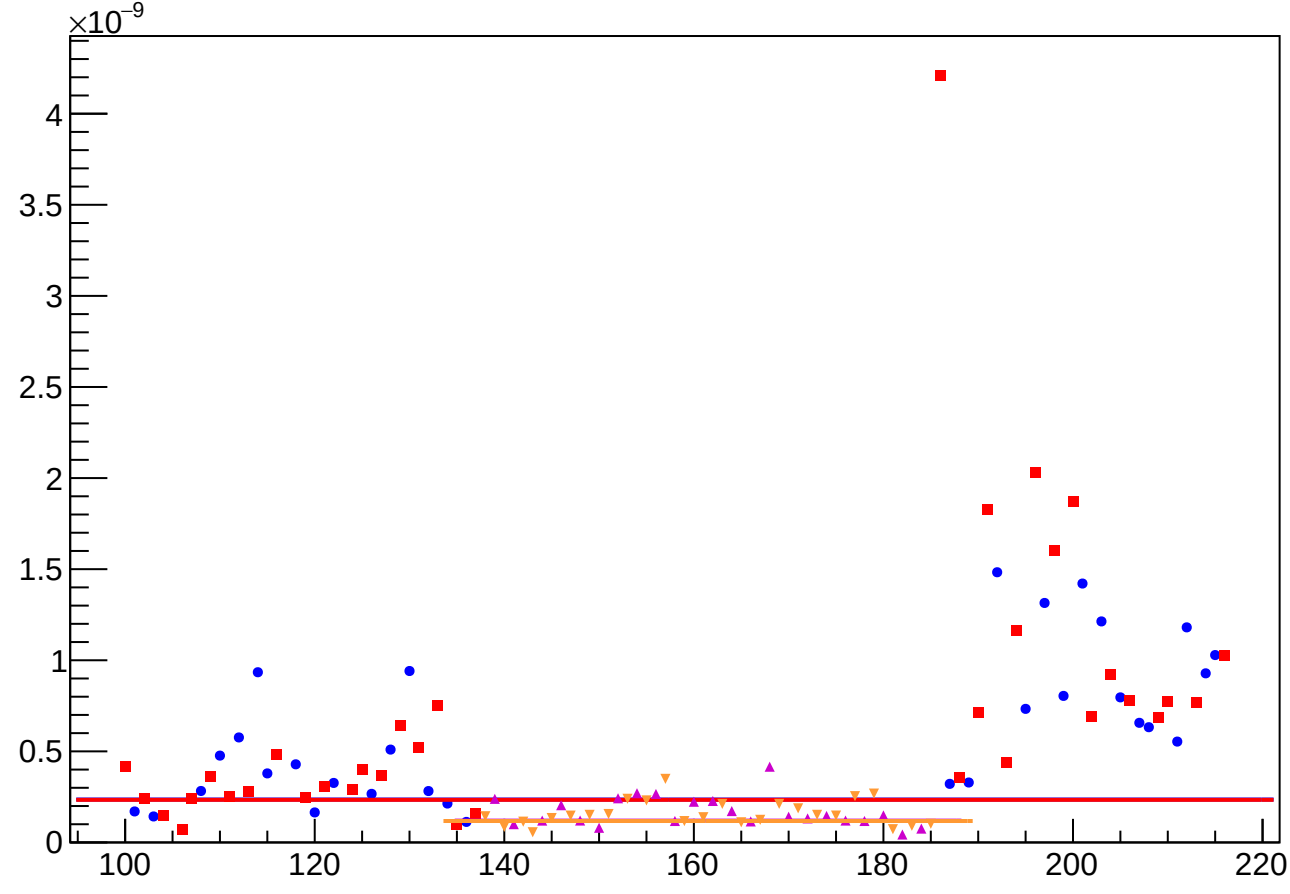
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 84.8/65

In: -0.000+/-0.000 χ^2/NDF:58.1/53

Out: 0.000+/-0.000 χ^2/NDF:82.2/59

All: -0.000+/-0.000 χ^2/NDF: 142.6/113



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: 7948766.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

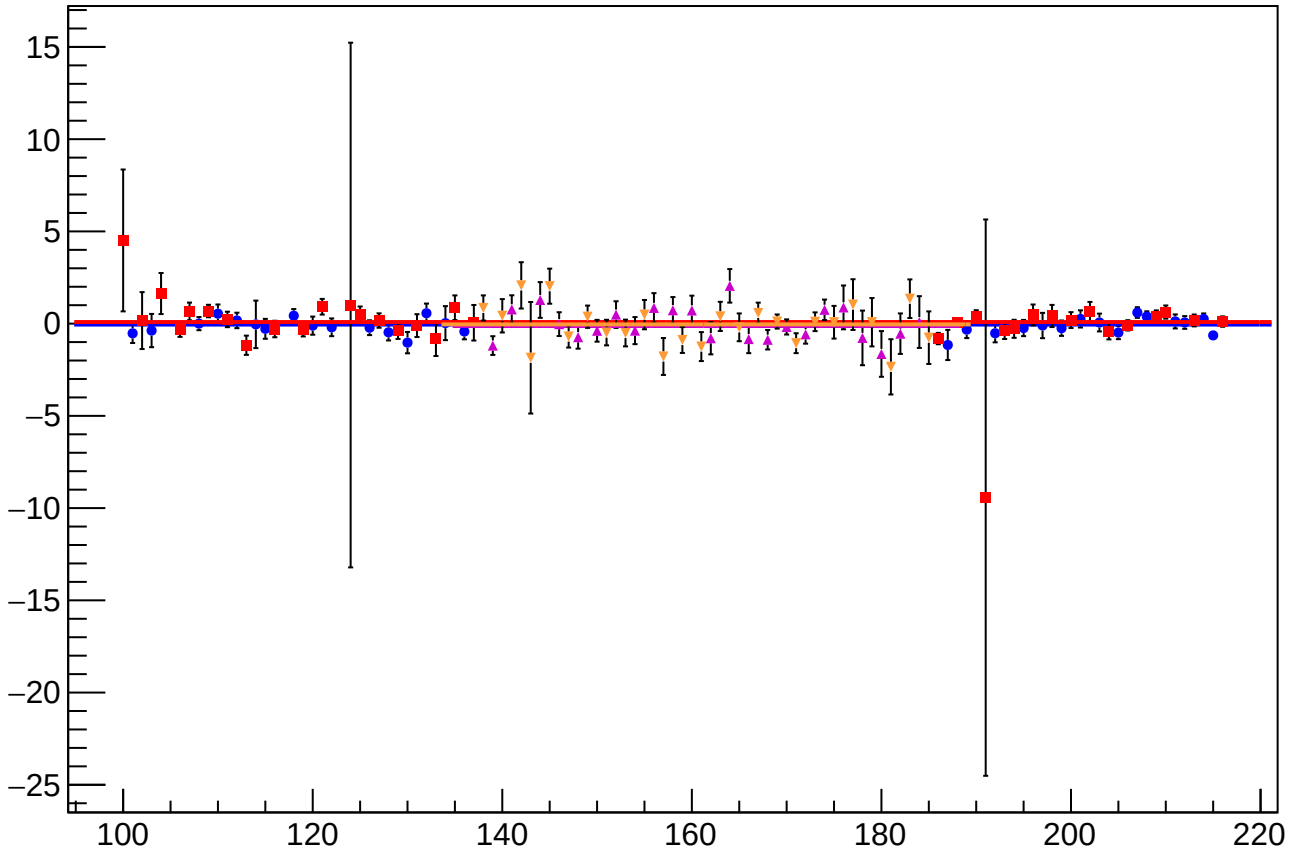
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 15541421.6/65

In: 0.000+/-0.000 χ^2/NDF:11979582.1/53

Out: 0.000+/-0.000 χ^2/NDF:11999547.3/59

All: 0.000+/-0.000 χ^2/NDF: 23989351.4/113



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: 0.086+/-0.070 χ^2/NDF: 43.3/34

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

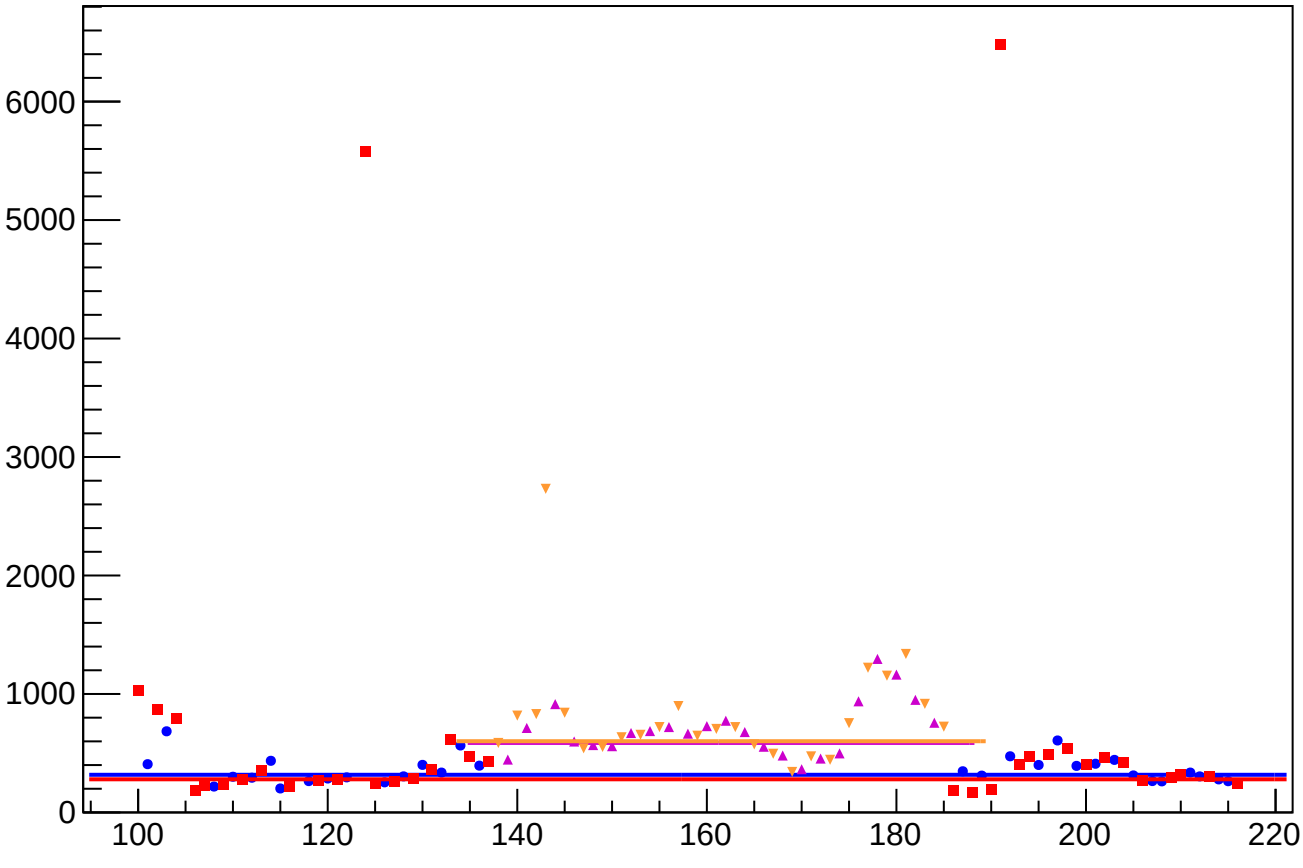
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.024+/-0.052 χ^2/NDF: 74.7/65

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.063+/-0.063 χ^2/NDF:74.1/59

All: 0.002+/-0.046 χ^2/NDF: 135.0/113



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: 279.842+/-0.050 χ^2/NDF: 5062278.6/34

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

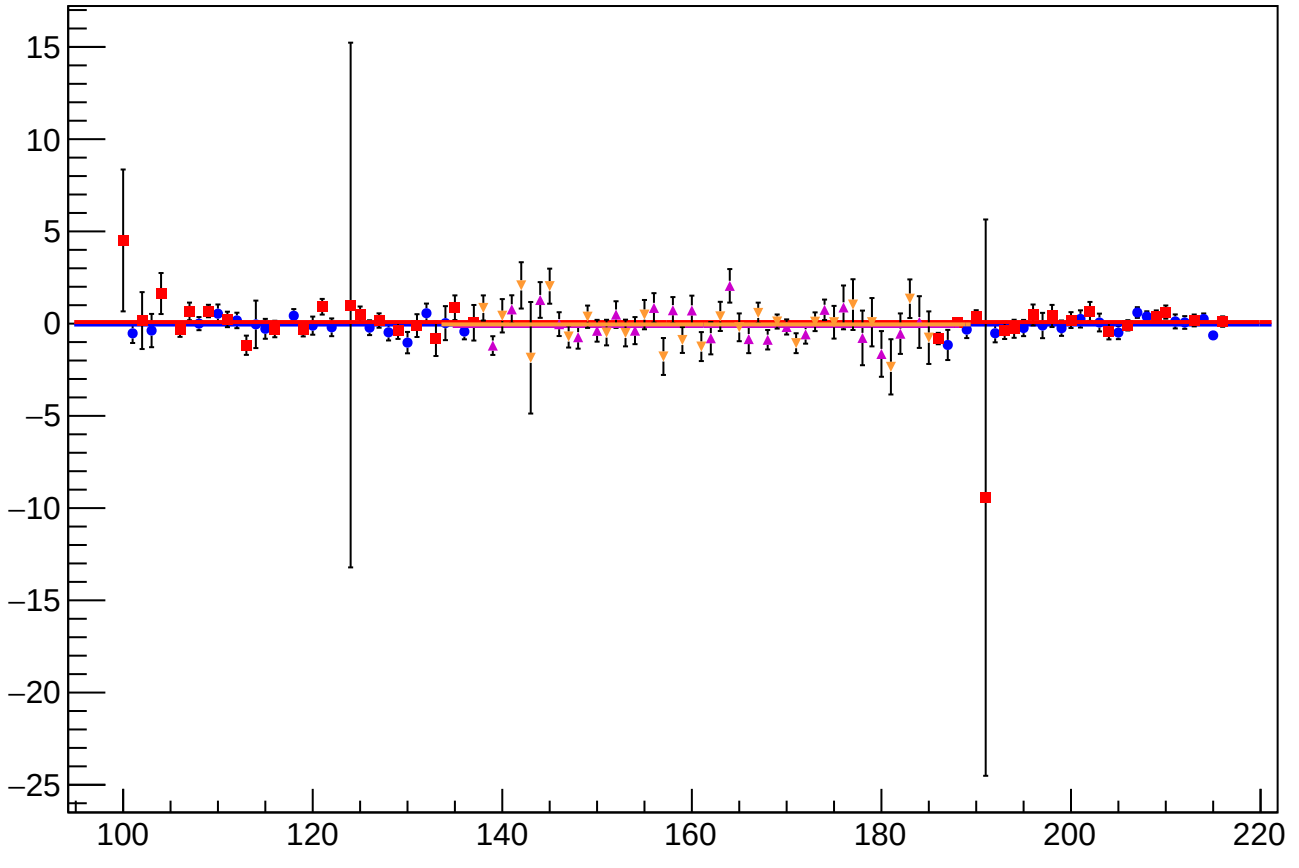
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 297.270+/-0.037 χ^2/NDF: 7532331.2/65

In: 376.105+/-0.048 χ^2/NDF:10510296.6/53

Out: 339.100+/-0.045 χ^2/NDF:17264622.8/59

All: 356.415+/-0.033 χ^2/NDF: 28094274.8/1



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: 0.086+/-0.070 χ^2/NDF: 43.3/34

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

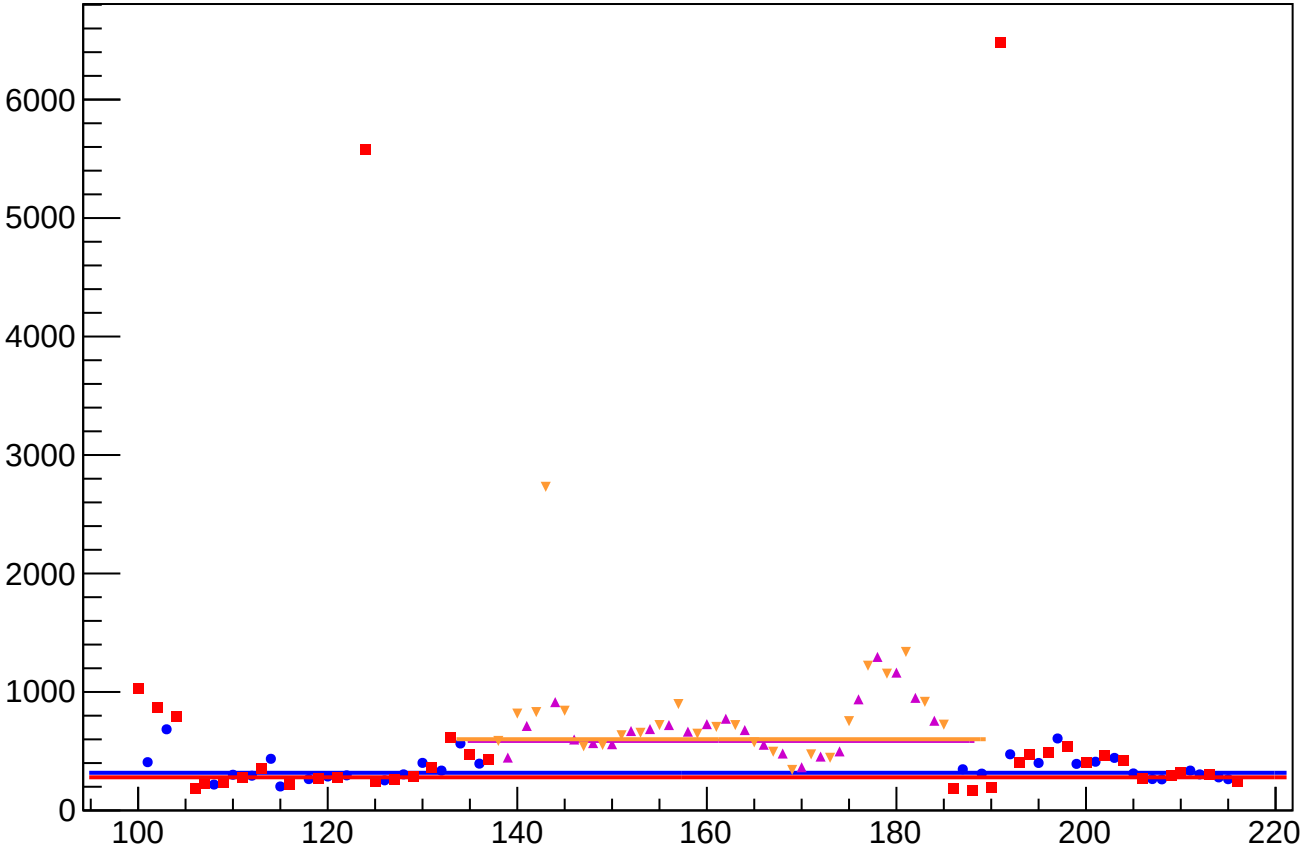
Right: 0.024+/-0.052 χ^2/NDF: 74.7/65

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.063+/-0.063 χ^2/NDF:74.1/59

All: 0.002+/-0.046 χ^2/NDF: 135.0/113

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: 279.842+/-0.050 χ^2/NDF: 5062278.6/34

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

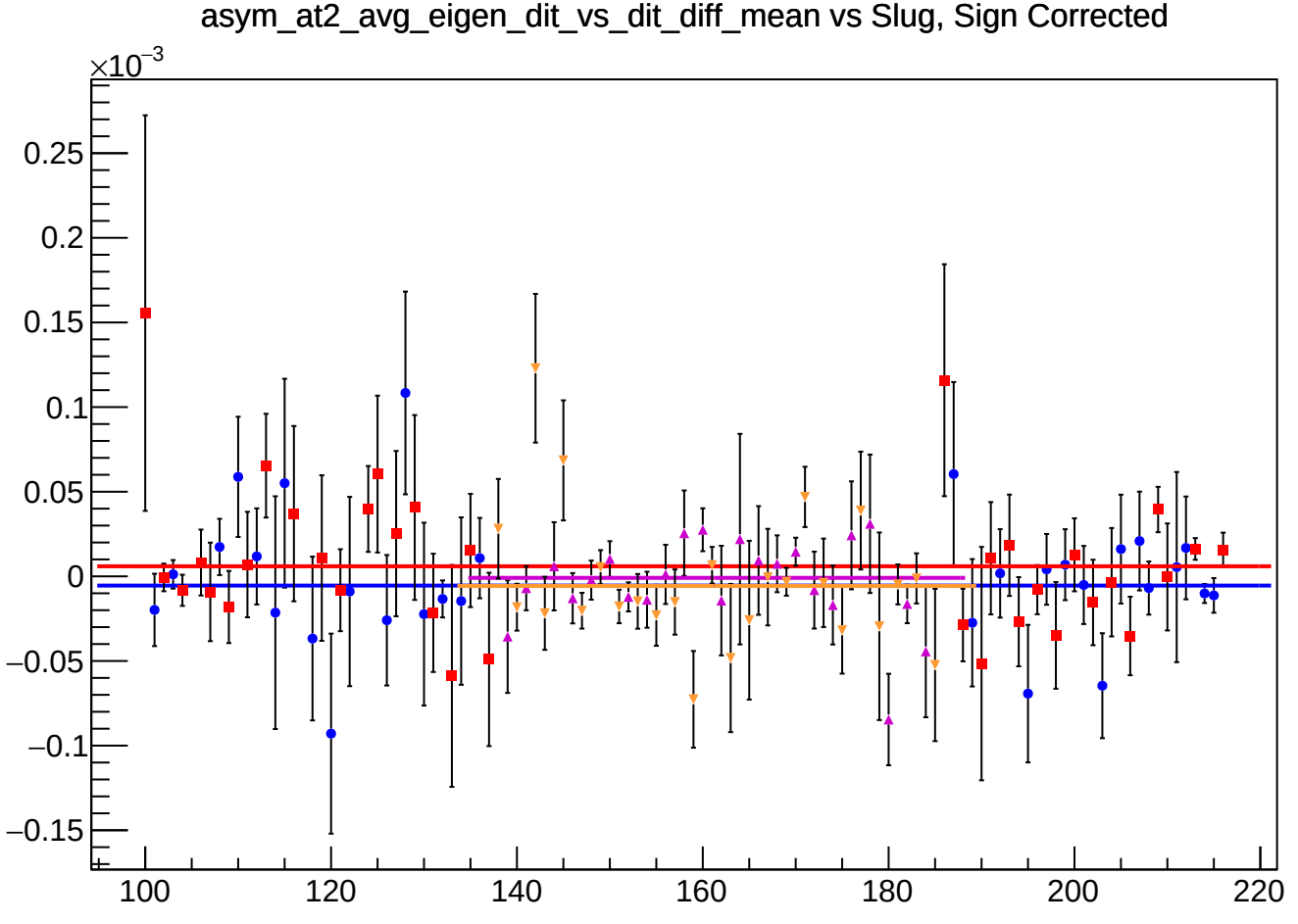
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 297.270+/-0.037 χ^2/NDF: 7532331.2/65

In: 376.105+/-0.048 χ^2/NDF:10510296.6/53

Out: 339.100+/-0.045 χ^2/NDF:17264622.8/59

All: 356.415+/-0.033 χ^2/NDF: 28094274.8/1



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: 41.3/34

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

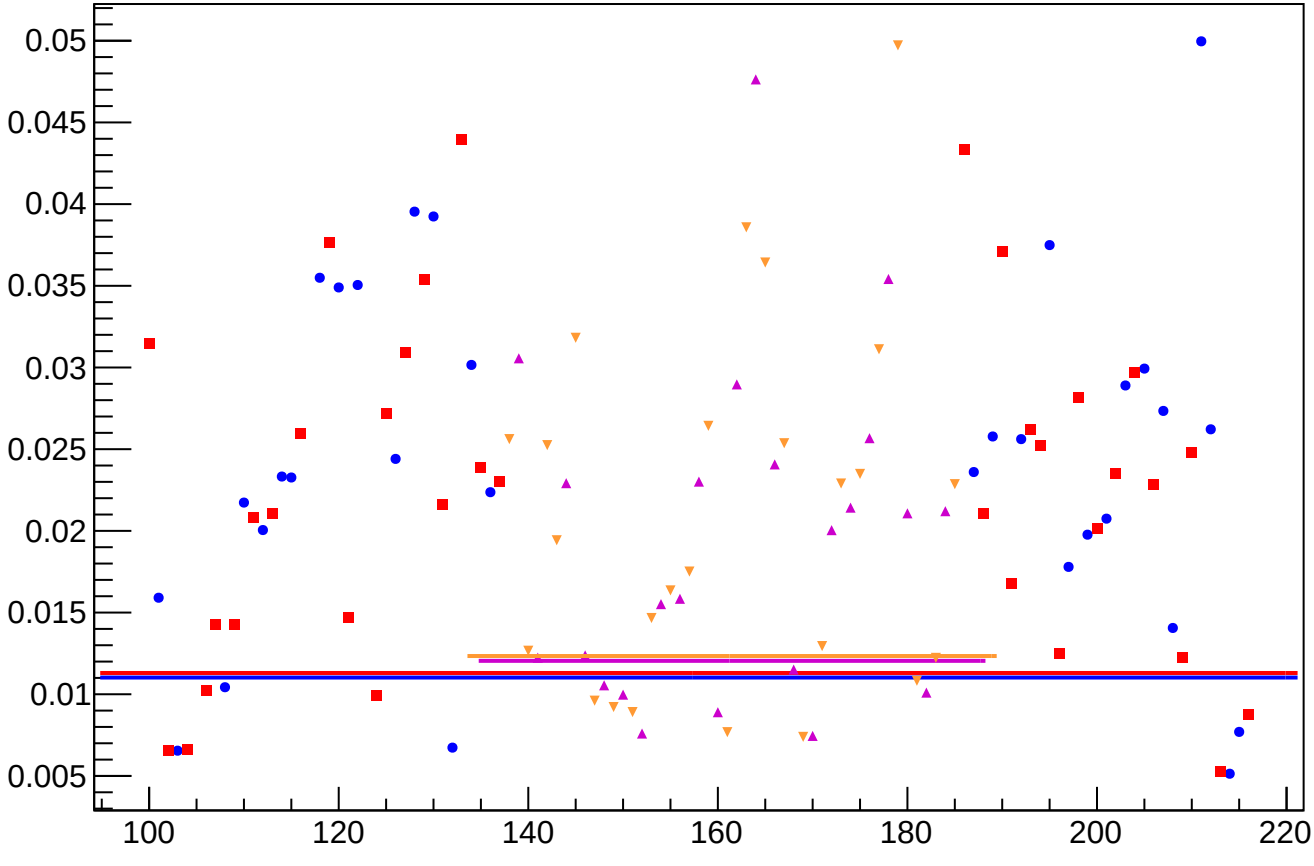
Right: 0.000+/-0.000 χ^2/NDF: 74.3/65

In: -0.000+/-0.000 χ^2/NDF:57.8/53

Out: 0.000+/-0.000 χ^2/NDF:90.5/59

All: -0.000+/-0.000 χ^2/NDF: 149.5/113

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: 0.011+/-0.000 χ^2/NDF: 11567572.6/34

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

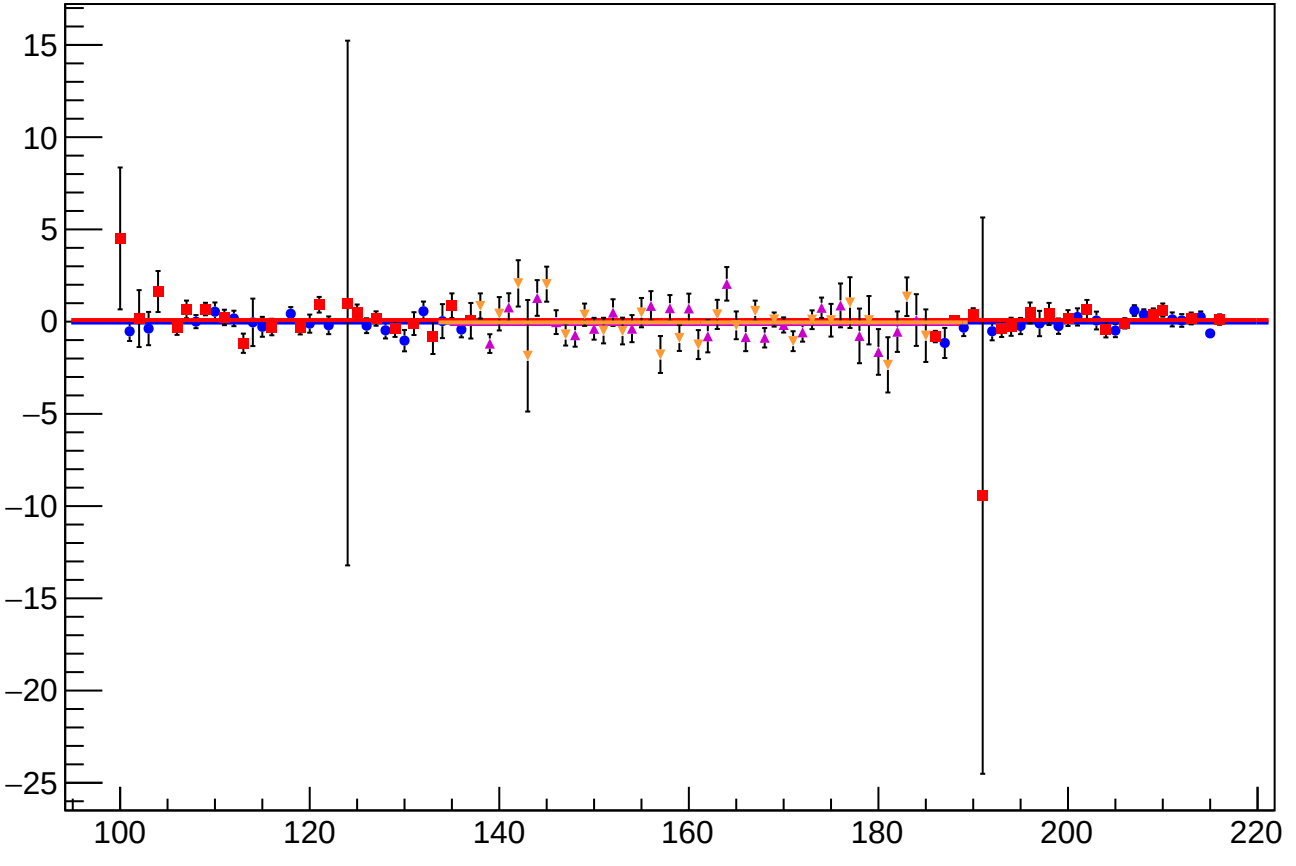
Right: 0.011+/-0.000 χ^2/NDF: 25005158.0/65

In: 0.012+/-0.000 χ^2/NDF:19907266.4/53

Out: 0.012+/-0.000 χ^2/NDF:19512344.7/59

All: 0.012+/-0.000 χ^2/NDF: 39433938.2/113

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.086+/-0.070 χ^2/NDF: 43.3/34

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

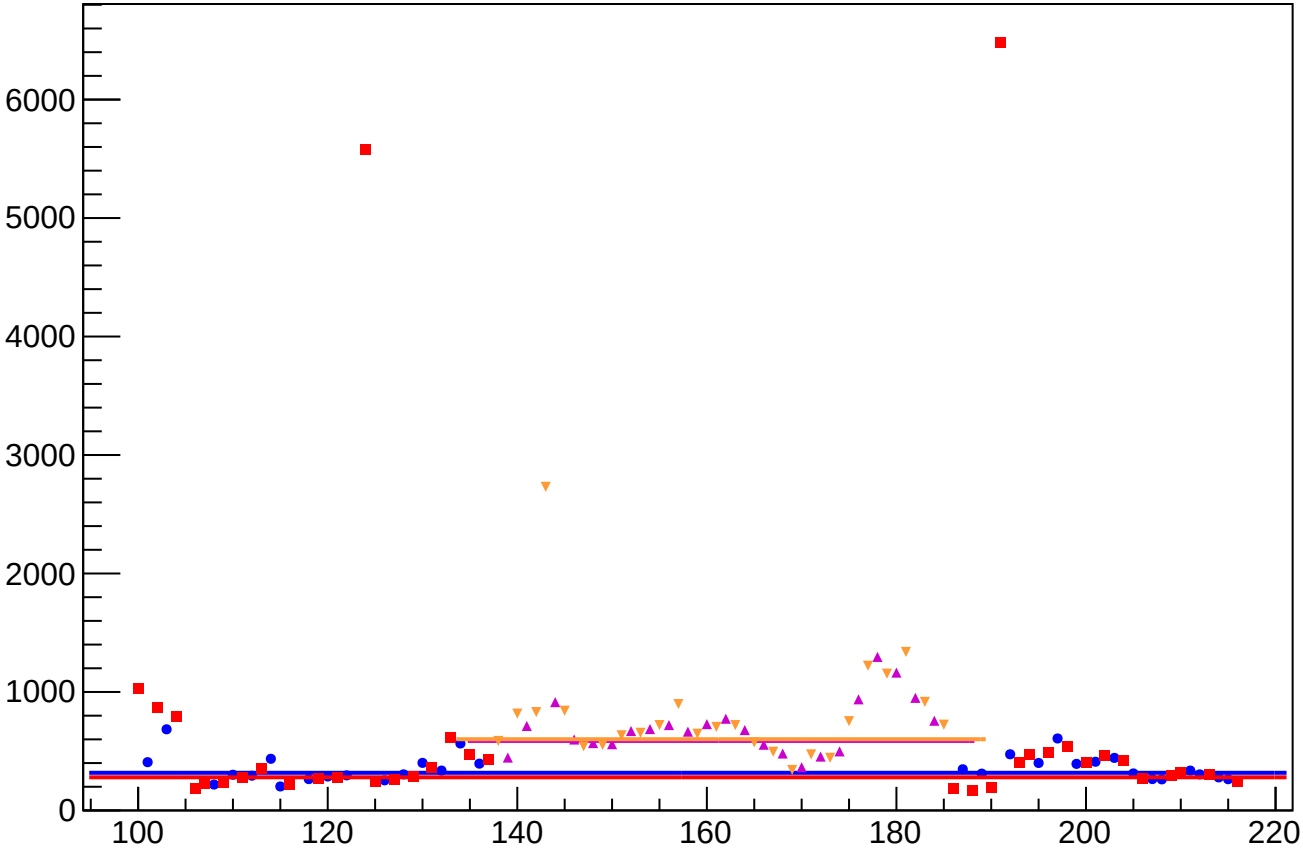
Right: 0.024+/-0.052 χ^2/NDF: 74.7/65

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.063+/-0.063 χ^2/NDF:74.1/59

All: 0.002+/-0.046 χ^2/NDF: 135.0/113

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: 279.836+/-0.050 χ^2/NDF: 5062585.5/34

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

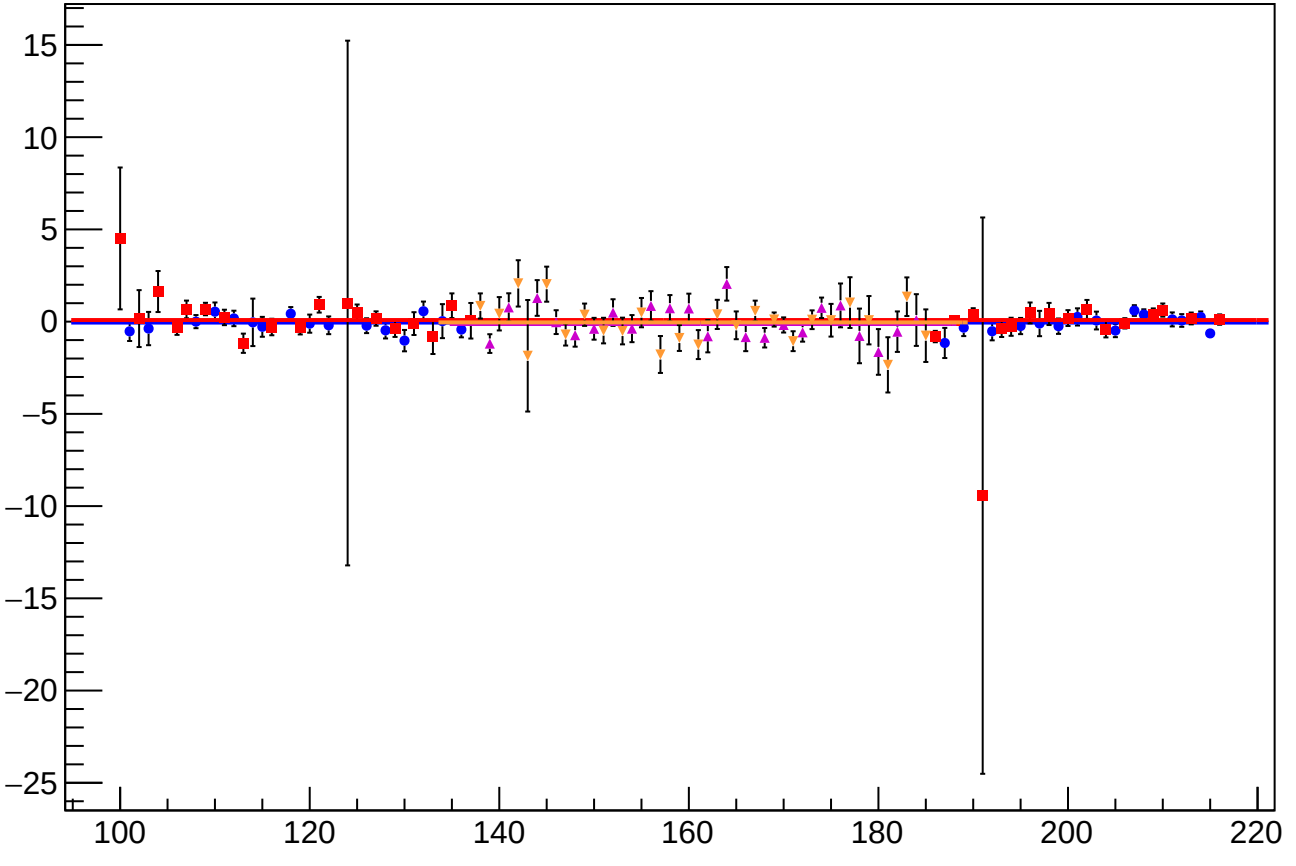
Right: 297.267+/-0.037 χ^2/NDF: 7532706.0/65

In: 376.104+/-0.048 χ^2/NDF:10510513.4/53

Out: 339.094+/-0.045 χ^2/NDF:17265414.2/59

All: 356.411+/-0.033 χ^2/NDF: 28095378.5/1

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.086+/-0.070 χ^2/NDF: 43.3/34

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

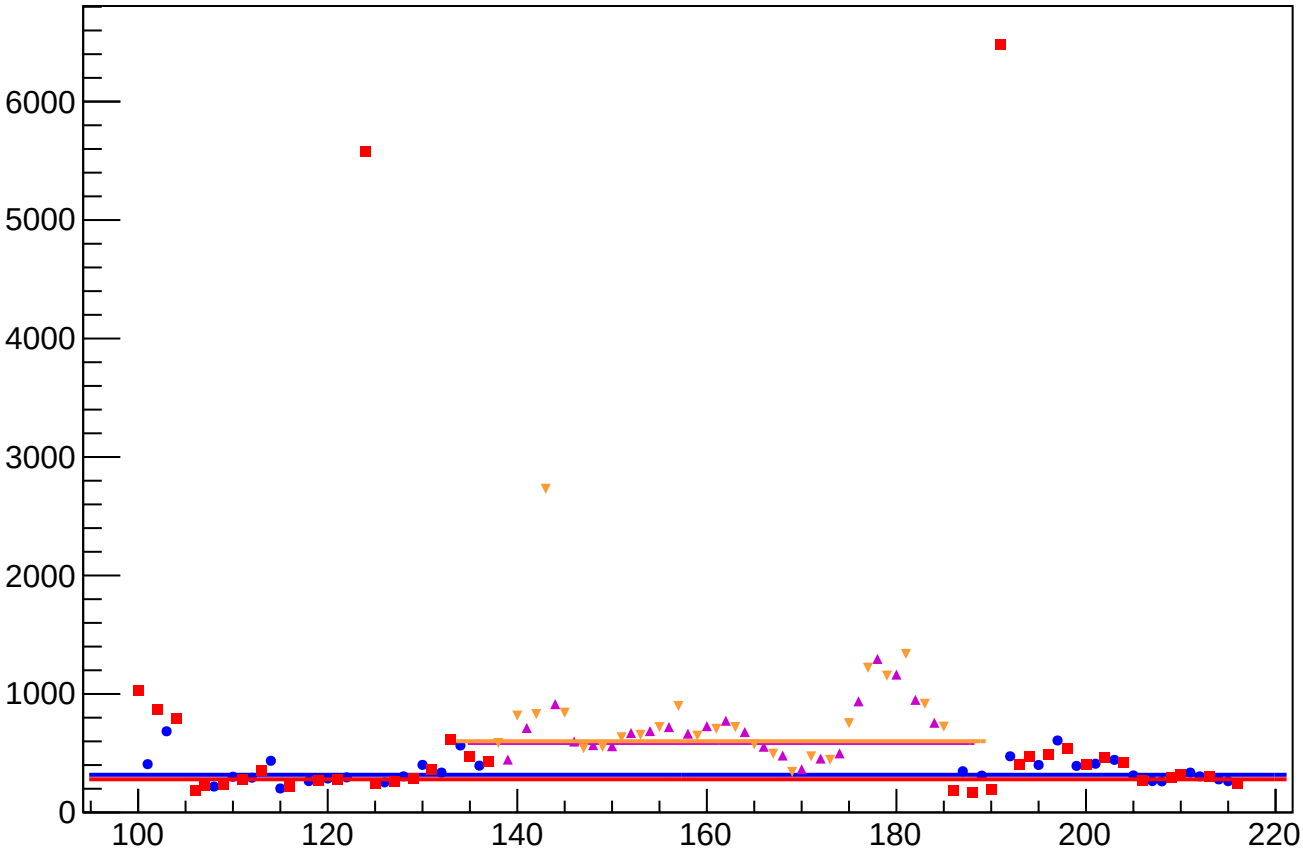
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.024+/-0.052 χ^2/NDF: 74.7/65

In: -0.067+/-0.068 χ^2/NDF:58.9/53

Out: 0.063+/-0.063 χ^2/NDF:74.1/59

All: 0.002+/-0.046 χ^2/NDF: 135.0/113



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: 279.836+/-0.050 χ^2/NDF: 5062585.5/34

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

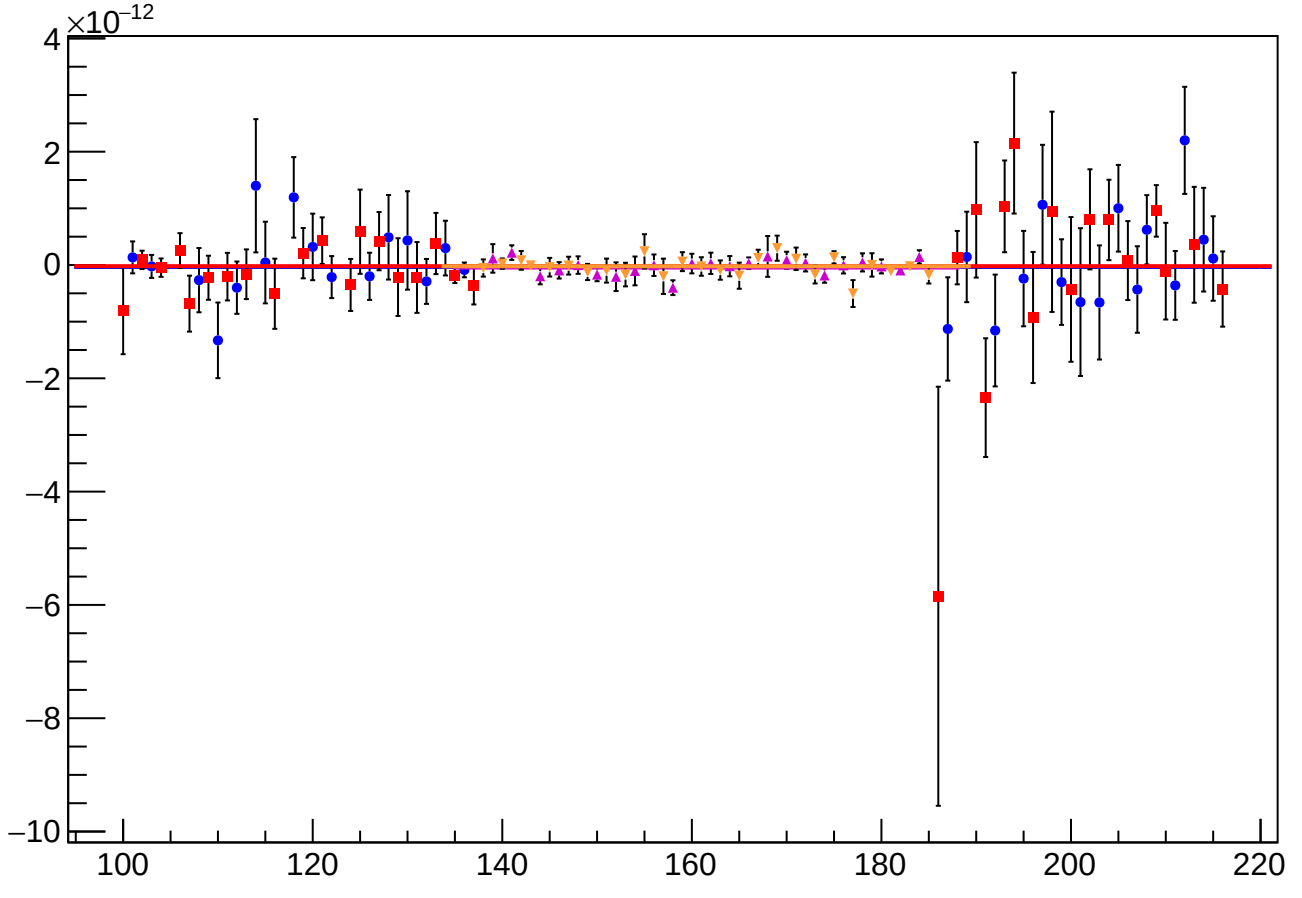
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 297.267+/-0.037 χ^2/NDF: 7532706.0/65

In: 376.104+/-0.048 χ^2/NDF:10510513.4/53

Out: 339.094+/-0.045 χ^2/NDF:17265414.2/59

All: 356.411+/-0.033 χ^2/NDF: 28095378.5/1



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: 33.0/34

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

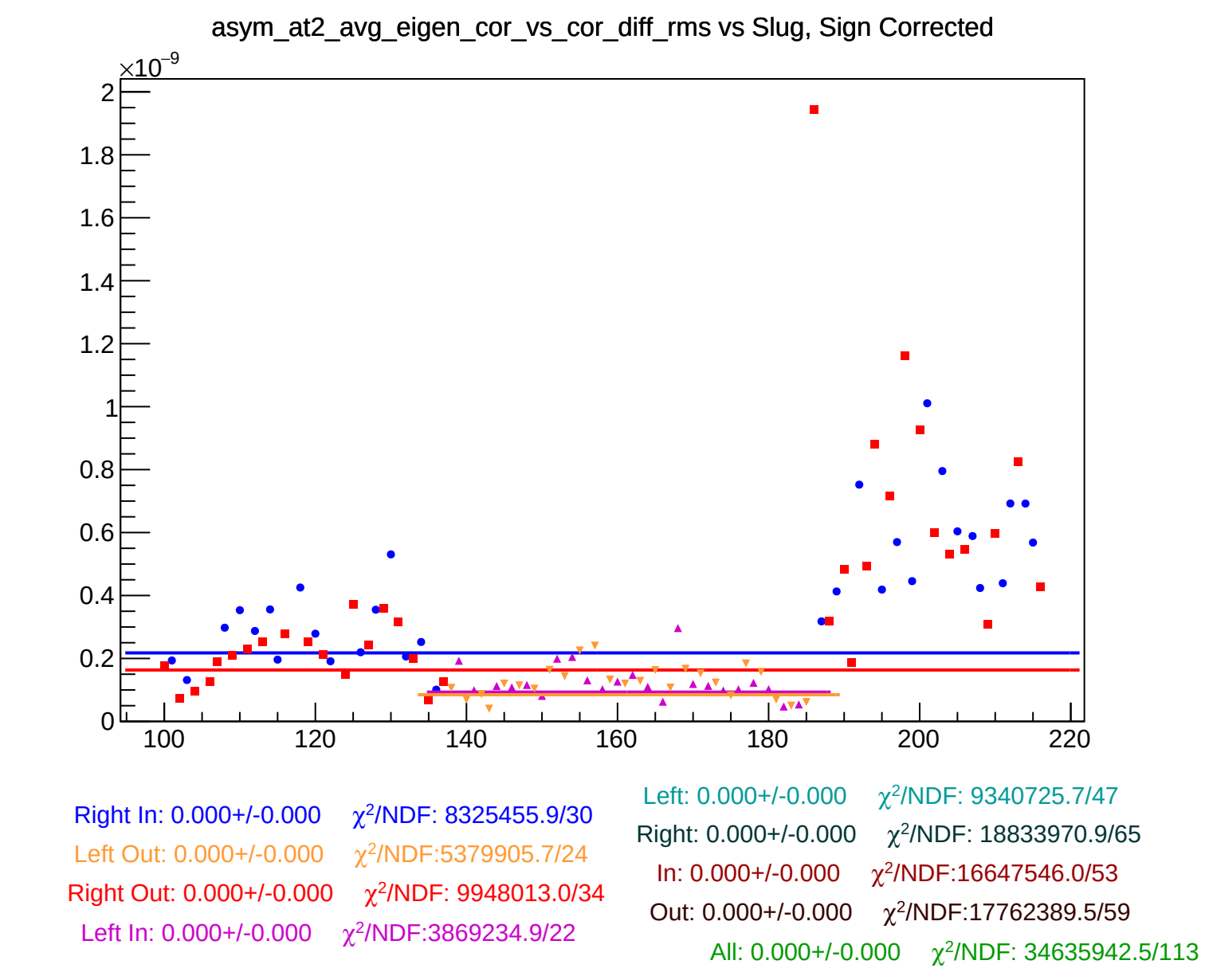
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 59.2/65

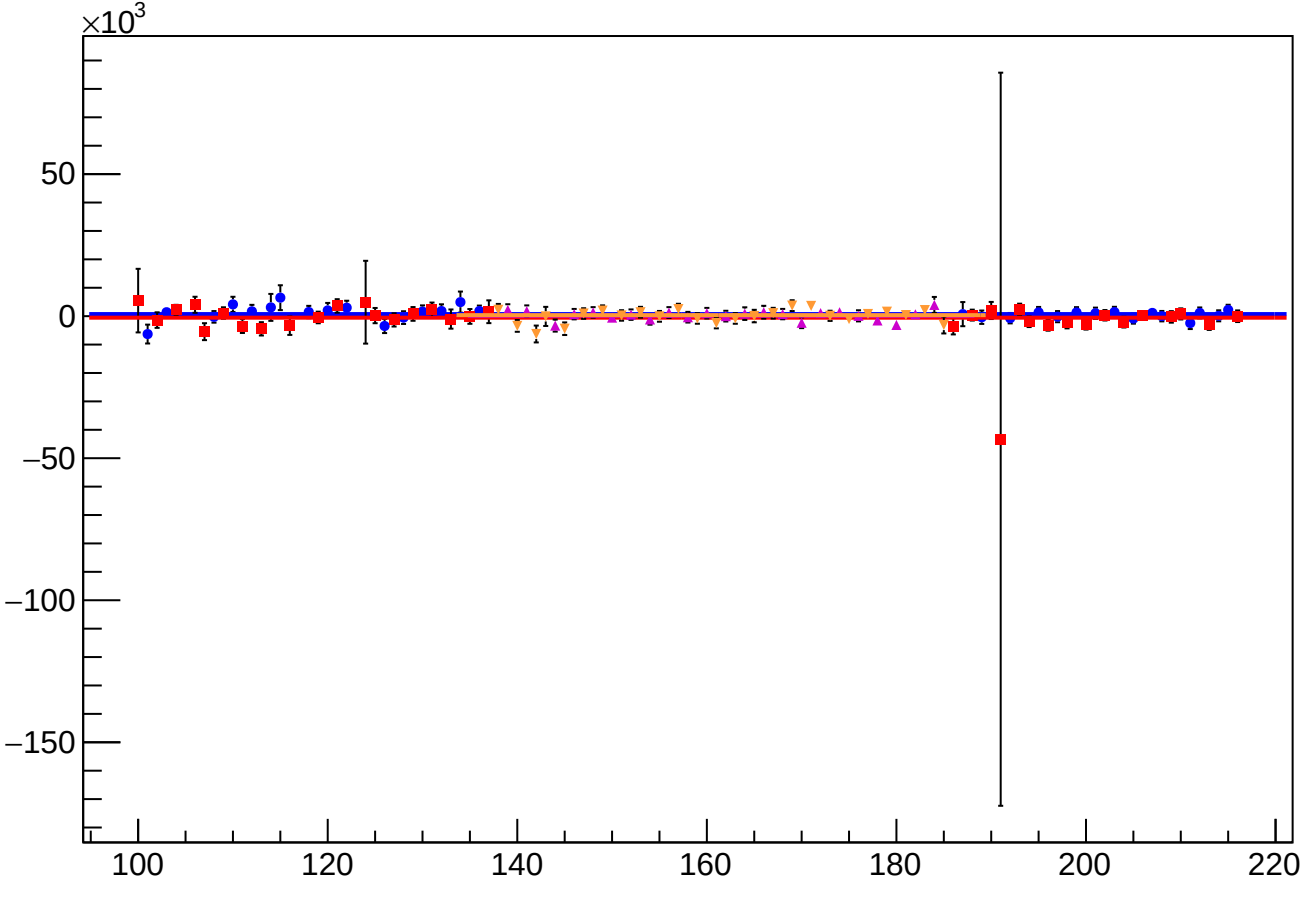
In: -0.000+/-0.000 χ^2/NDF:48.1/53

Out: -0.000+/-0.000 χ^2/NDF:49.4/59

All: -0.000+/-0.000 χ^2/NDF: 97.8/113


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: 9948013.0/34
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: 18833970.9/65
In: 0.000+/-0.000 χ²/NDF:16647546.0/53
Out: 0.000+/-0.000 χ²/NDF:17762389.5/59
All: 0.000+/-0.000 χ²/NDF: 34635942.5/113

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: -536.173+/-389.049 χ^2/NDF: 31.1/34

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

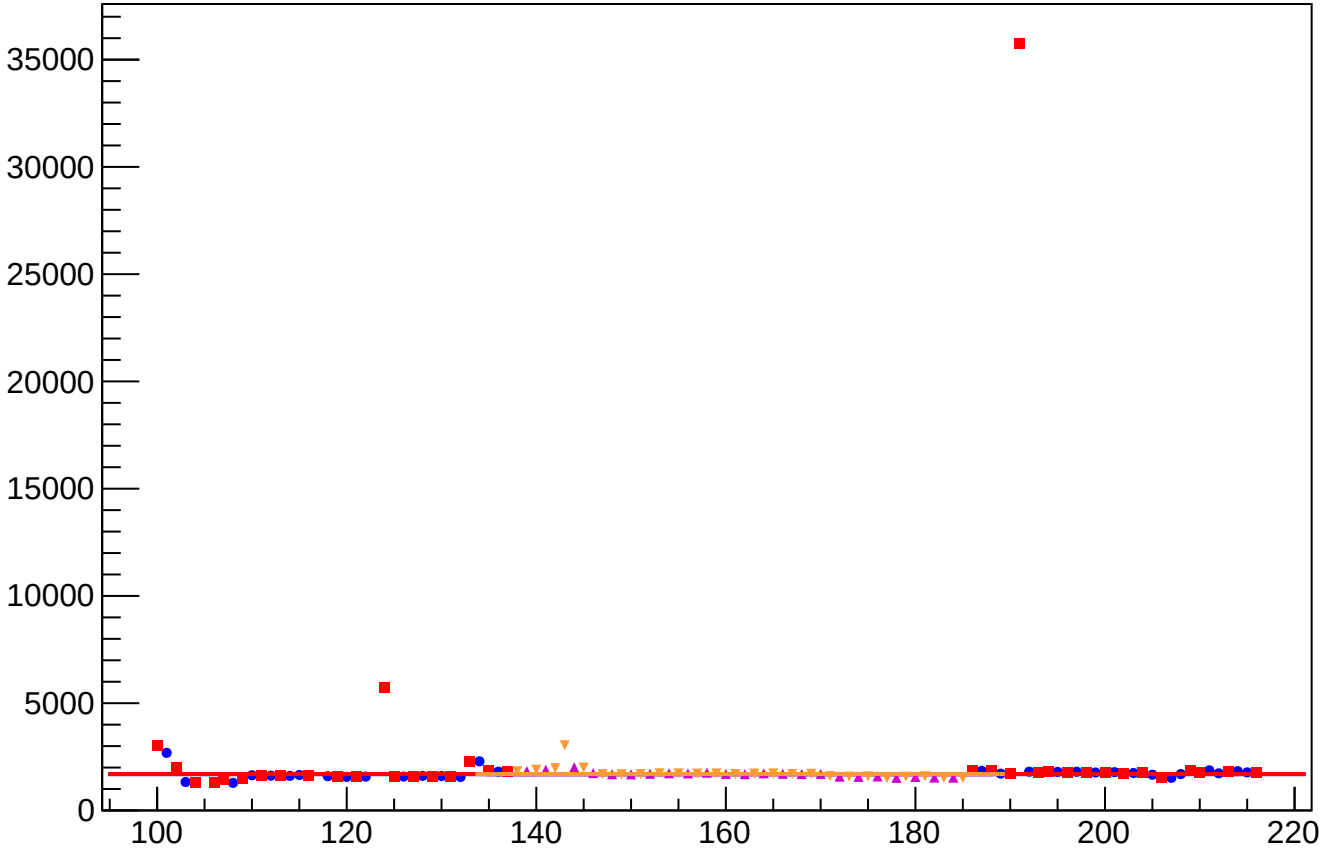
Right: 103.211+/-274.730 χ^2/NDF: 56.9/65

In: 452.753+/-276.546 χ^2/NDF:37.6/53

Out: -86.204+/-274.774 χ^2/NDF:63.3/59

All: 181.543+/-194.918 χ^2/NDF: 102.8/113

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: 1696.867+/-0.275 χ^2/NDF: 722799.4/34

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

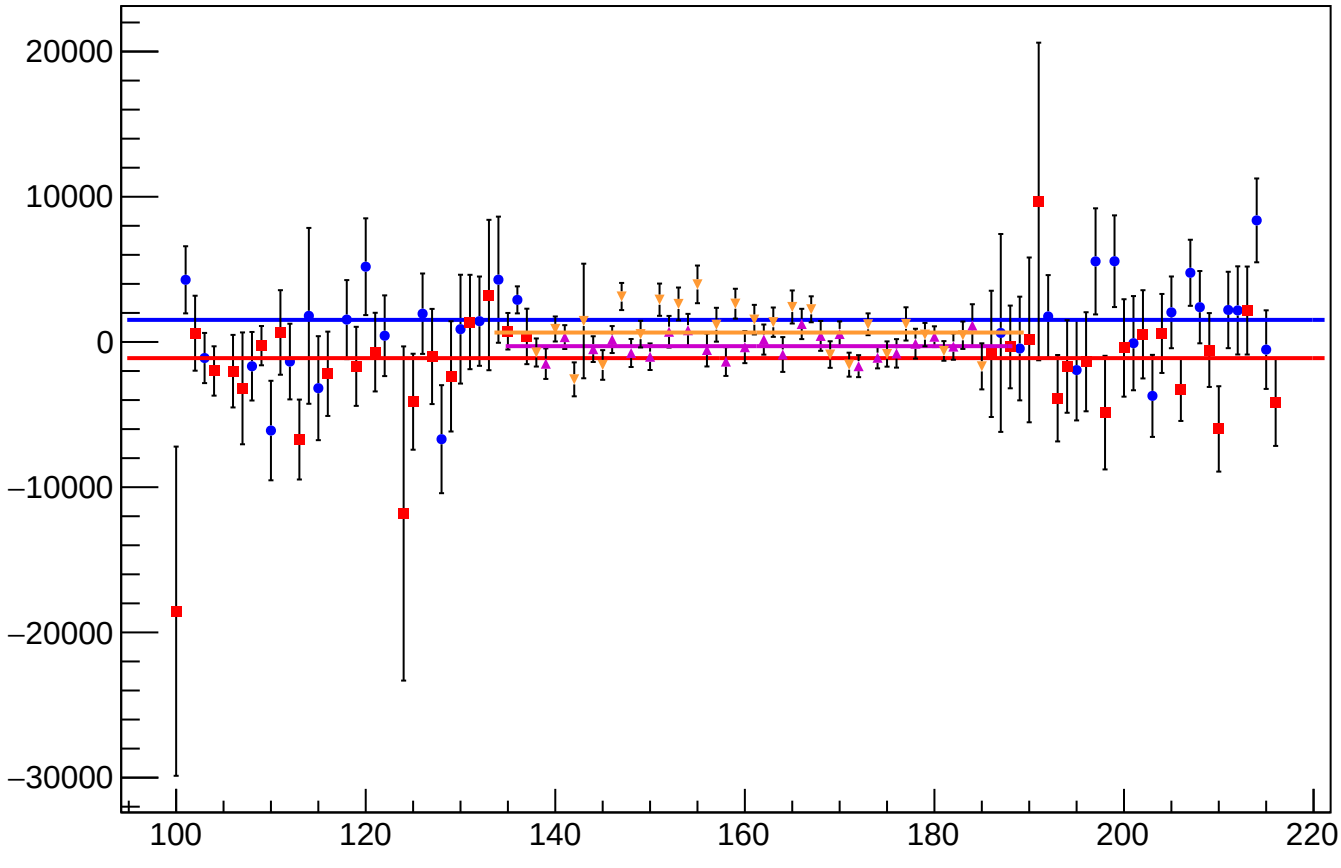
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1694.167+/-0.194 χ^2/NDF: 1246484.3/65

In: 1688.084+/-0.196 χ^2/NDF:689160.0/53

Out: 1697.182+/-0.194 χ^2/NDF:1218200.0/59

All: 1692.662+/-0.138 χ^2/NDF: 1908449.2/11



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: -1112.465+/-454.620 χ^2/NDF: 24.2/34

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

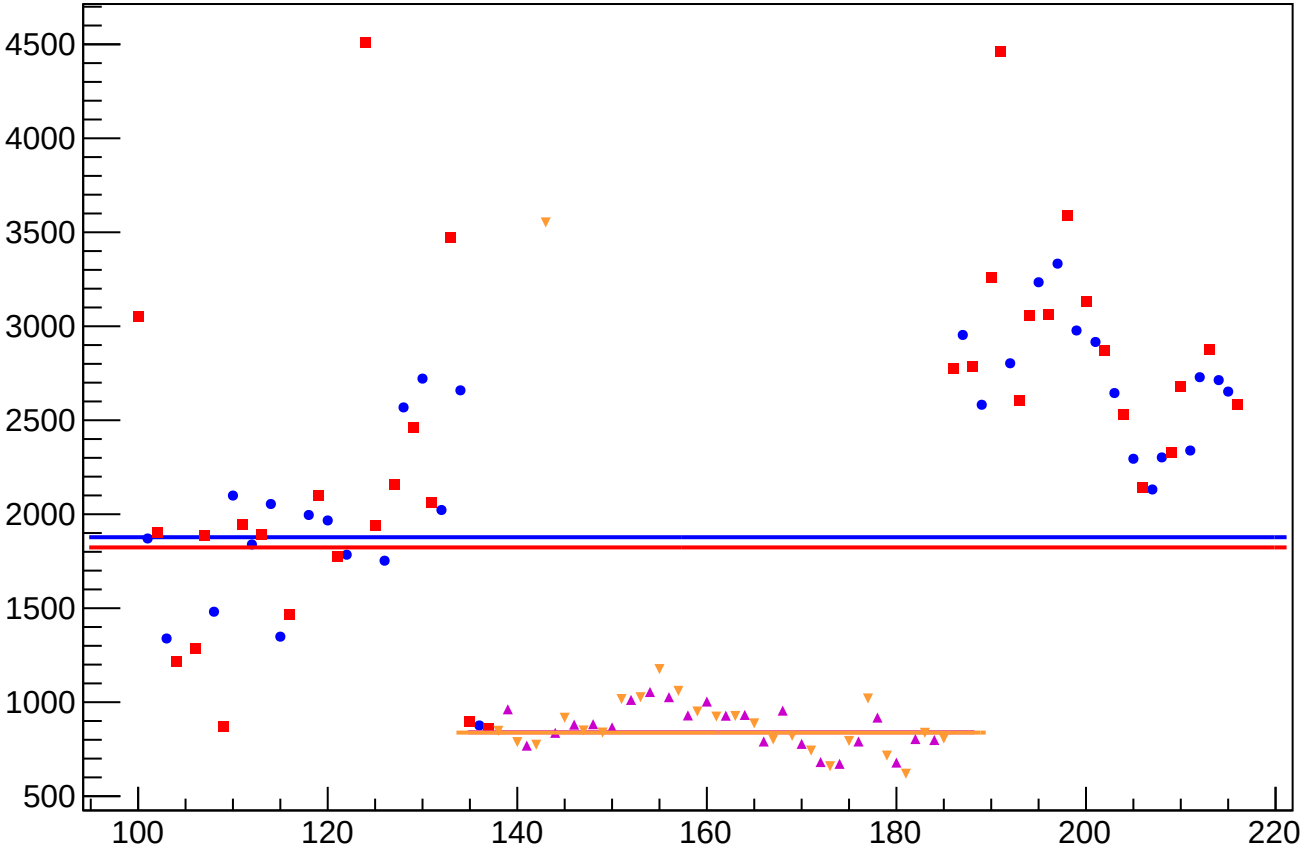
Right: 187.066+/-323.576 χ^2/NDF: 79.5/65

In: -5.186+/-182.291 χ^2/NDF:68.3/53

Out: 373.831+/-179.730 χ^2/NDF:102.4/59

All: 187.003+/-127.984 χ^2/NDF: 172.9/113

asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected



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: 1823.458+/-0.321 χ^2/NDF: 6437003.2/34

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

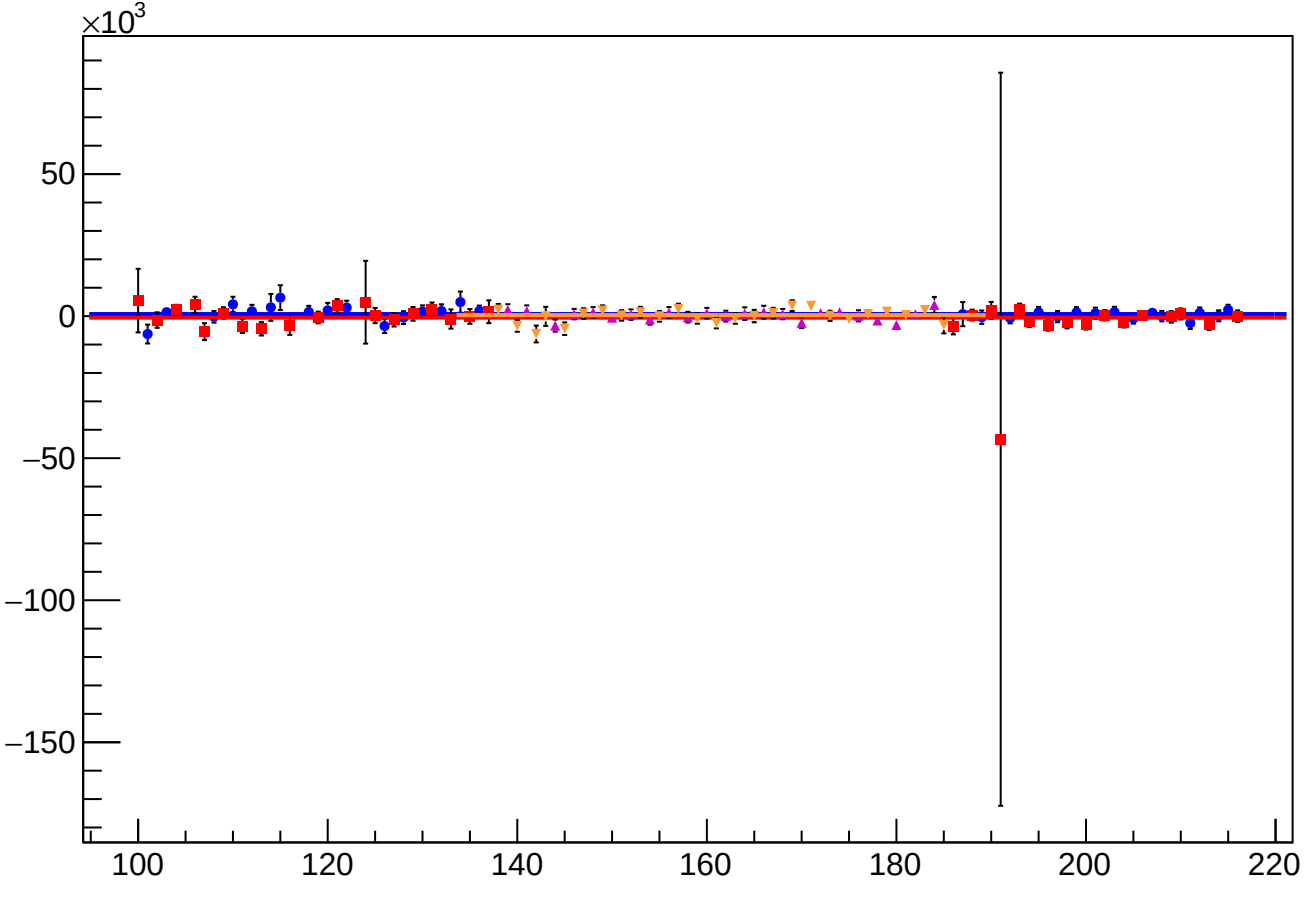
Right: 1850.239+/-0.229 χ^2/NDF: 11573106.6/65

In: 1002.486+/-0.129 χ^2/NDF:14352110.8/53

Out: 992.227+/-0.127 χ^2/NDF:16162023.2/59

All: 997.284+/-0.090 χ^2/NDF: 30517345.9/1

cor_asym_at2_dd_mean vs Slug, Sign Corrected



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: -536.275+/-389.049 χ^2/NDF: 31.1/34

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

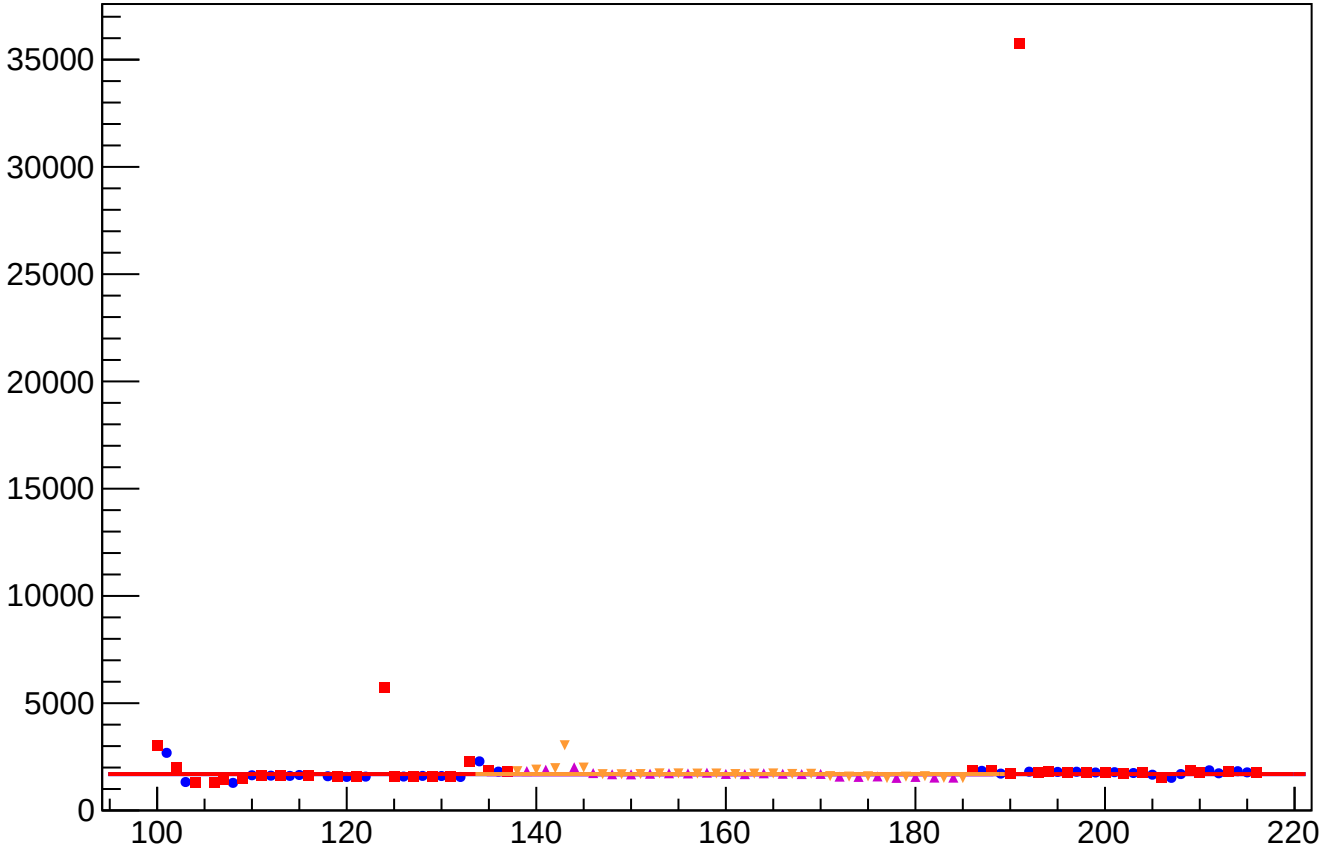
Right: 103.179+/-274.730 χ^2/NDF: 56.9/65

In: 452.726+/-276.546 χ^2/NDF:37.6/53

Out: -86.297+/-274.774 χ^2/NDF:63.3/59

All: 181.482+/-194.918 χ^2/NDF: 102.8/113

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: 1696.867+/-0.275 χ^2/NDF: 722799.6/34

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

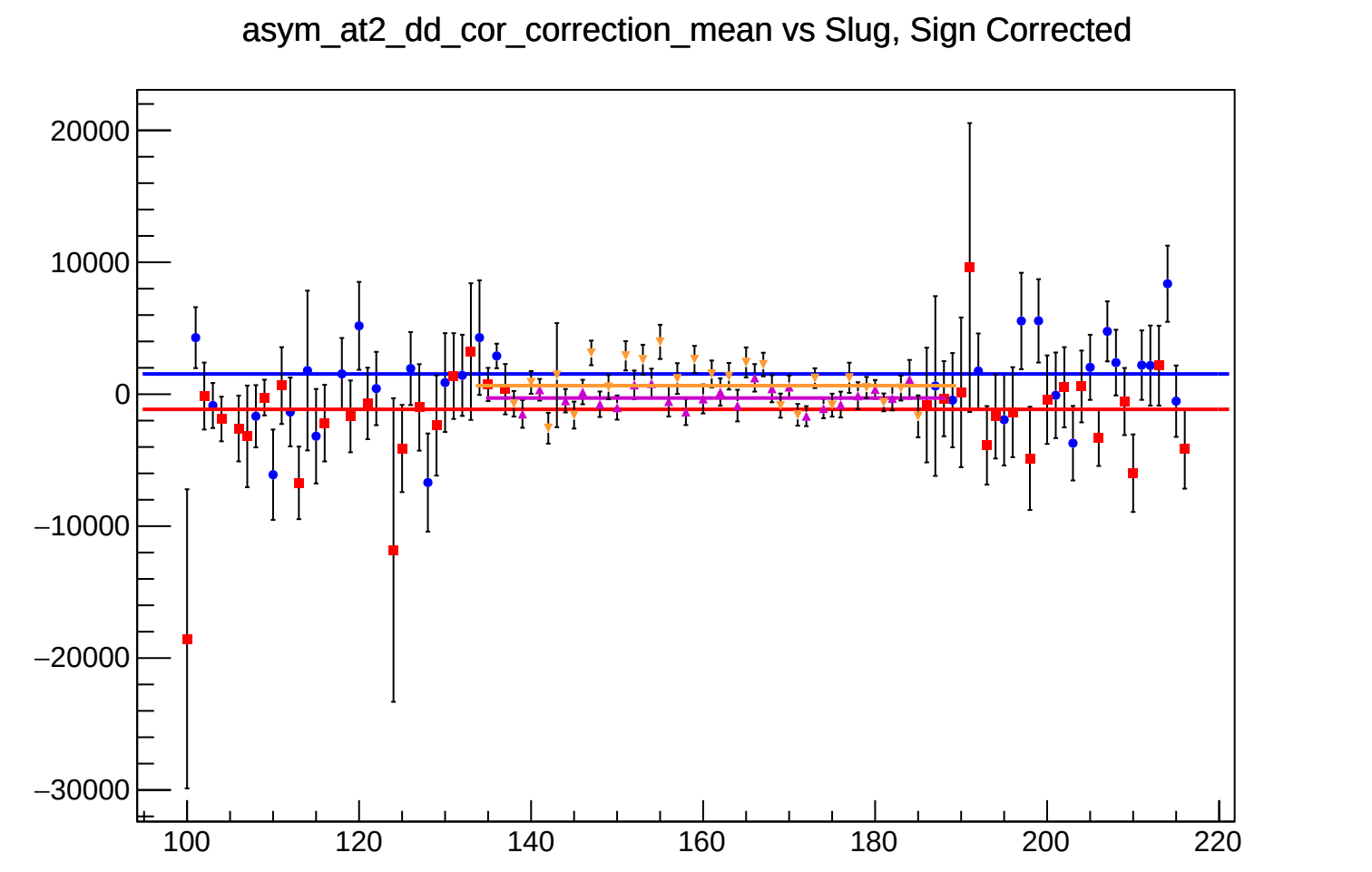
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1694.167+/-0.194 χ^2/NDF: 1246484.8/65

In: 1688.084+/-0.196 χ^2/NDF:689160.4/53

Out: 1697.182+/-0.194 χ^2/NDF:1218200.1/59

All: 1692.662+/-0.138 χ^2/NDF: 1908449.6/11



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: -1146.478+/-454.201 χ^2/NDF: 24.0/34

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

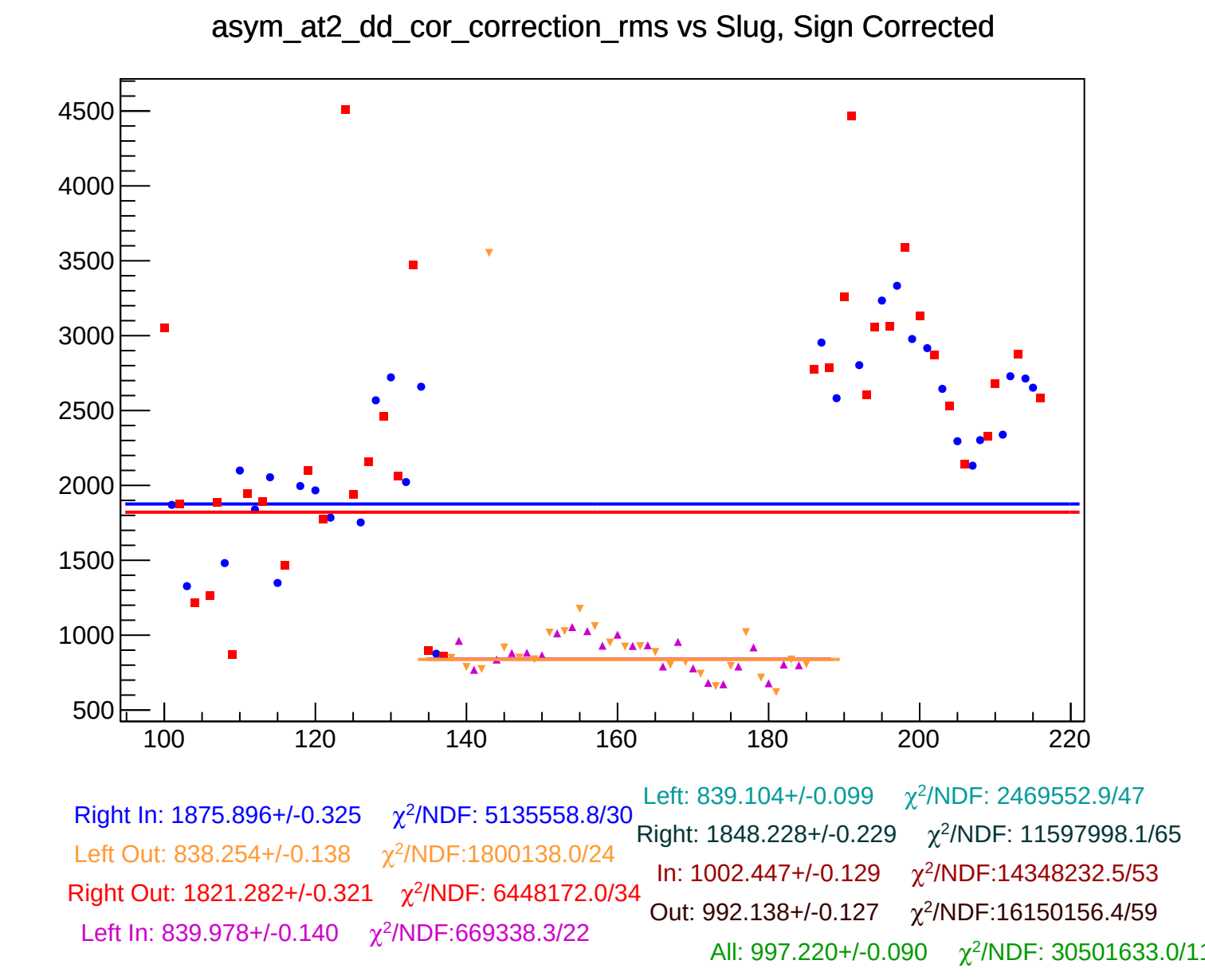
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

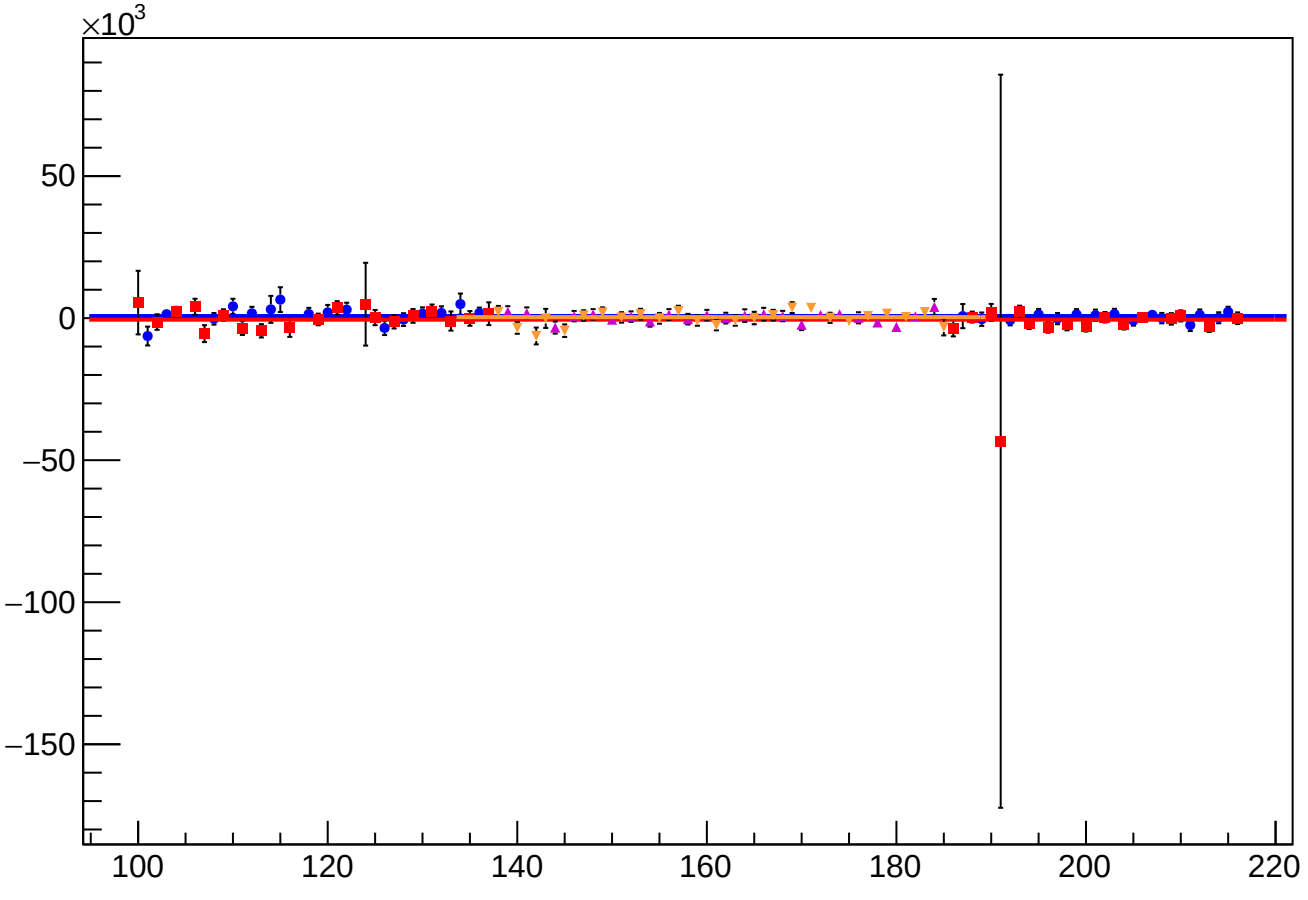
Right: 176.676+/-323.282 χ^2/NDF: 79.6/65

In: -2.559+/-182.266 χ^2/NDF:68.1/53

Out: 368.073+/-179.706 χ^2/NDF:102.7/59

All: 185.377+/-127.967 χ^2/NDF: 173.0/113


asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1875.896+/-0.325 χ²/NDF: 5135558.8/30
Left Out: 838.254+/-0.138 χ²/NDF:1800138.0/24
Right Out: 1821.282+/-0.321 χ²/NDF: 6448172.0/34
Left In: 839.978+/-0.140 χ²/NDF:669338.3/22
Left: 839.104+/-0.099 χ²/NDF: 2469552.9/47
Right: 1848.228+/-0.229 χ²/NDF: 11597998.1/65
In: 1002.447+/-0.129 χ²/NDF:14348232.5/53
Out: 992.138+/-0.127 χ²/NDF:16150156.4/59
All: 997.220+/-0.090 χ²/NDF: 30501633.0/11



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: -536.275+/-389.049 χ^2/NDF: 31.1/34

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

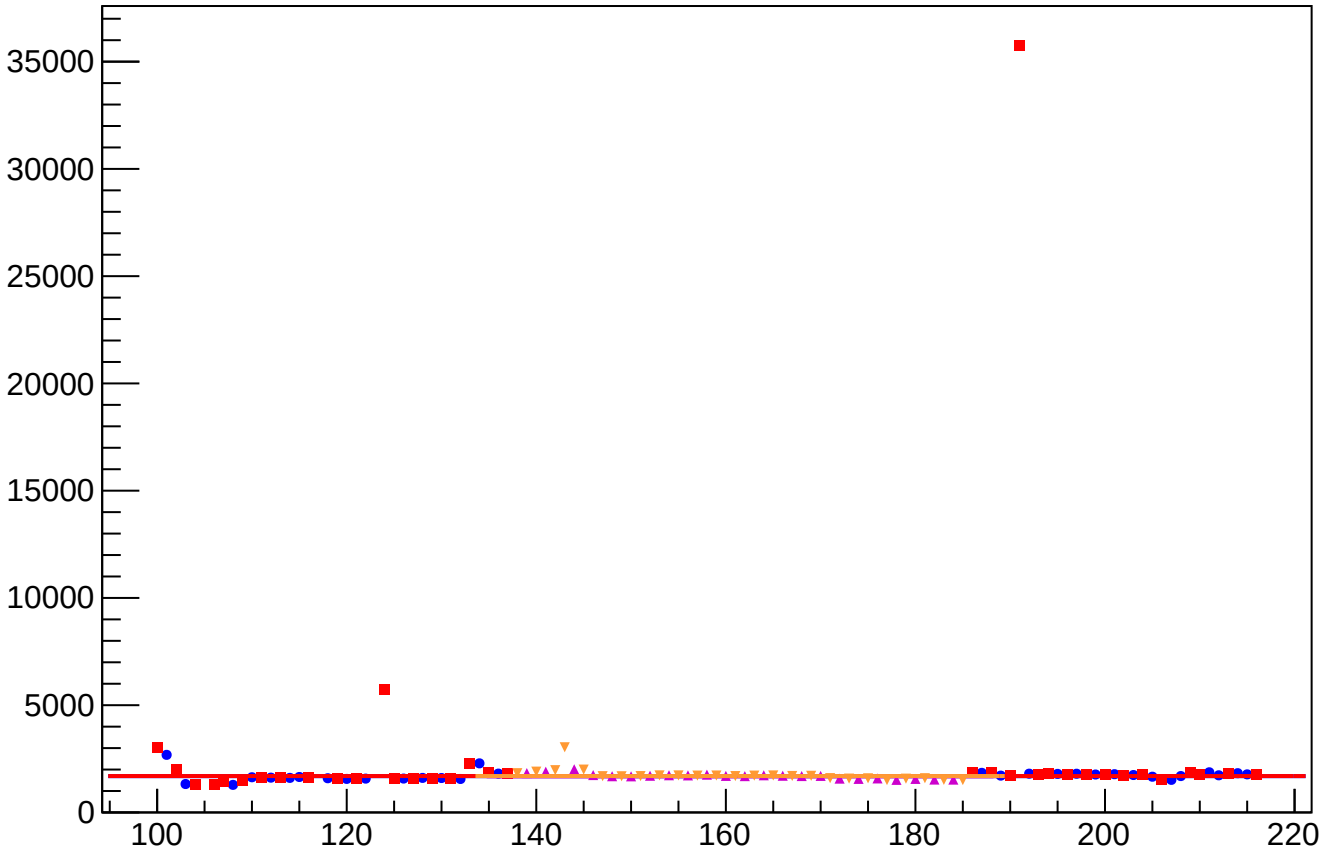
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 103.179+/-274.730 χ^2/NDF: 56.9/65

In: 452.726+/-276.546 χ^2/NDF:37.6/53

Out: -86.297+/-274.774 χ^2/NDF:63.3/59

All: 181.482+/-194.918 χ^2/NDF: 102.8/113



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: 1696.867+/-0.275 χ^2/NDF: 722799.6/34

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

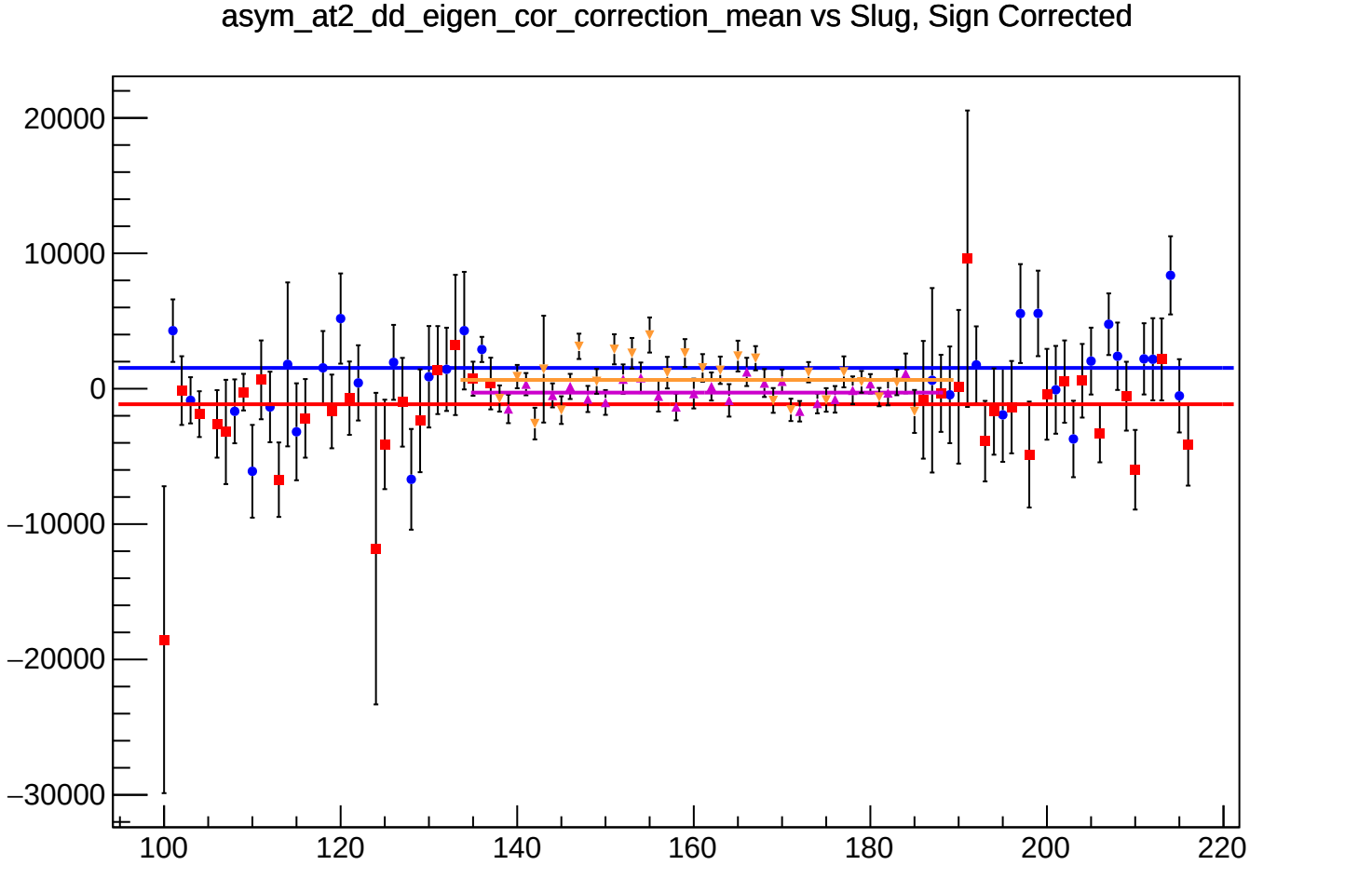
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1694.167+/-0.194 χ^2/NDF: 1246484.8/65

In: 1688.084+/-0.196 χ^2/NDF:689160.4/53

Out: 1697.182+/-0.194 χ^2/NDF:1218200.1/59

All: 1692.662+/-0.138 χ^2/NDF: 1908449.6/11



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: -1146.478+/-454.201 χ^2/NDF: 24.0/34

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

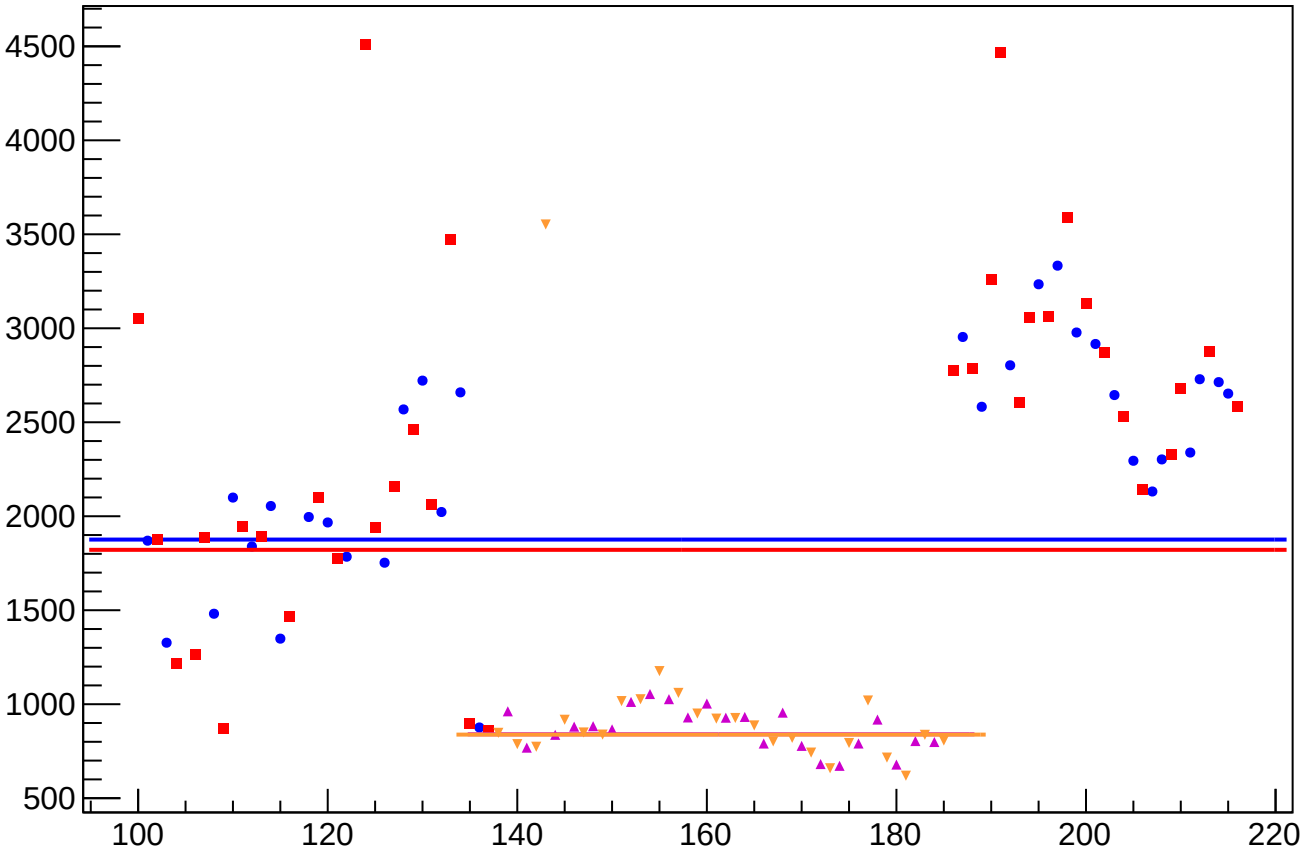
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 176.676+/-323.282 χ^2/NDF: 79.6/65

In: -2.559+/-182.266 χ^2/NDF:68.1/53

Out: 368.073+/-179.706 χ^2/NDF:102.7/59

All: 185.377+/-127.967 χ^2/NDF: 173.0/113



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: 1821.282+/-0.321 χ^2/NDF: 6448172.0/34

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

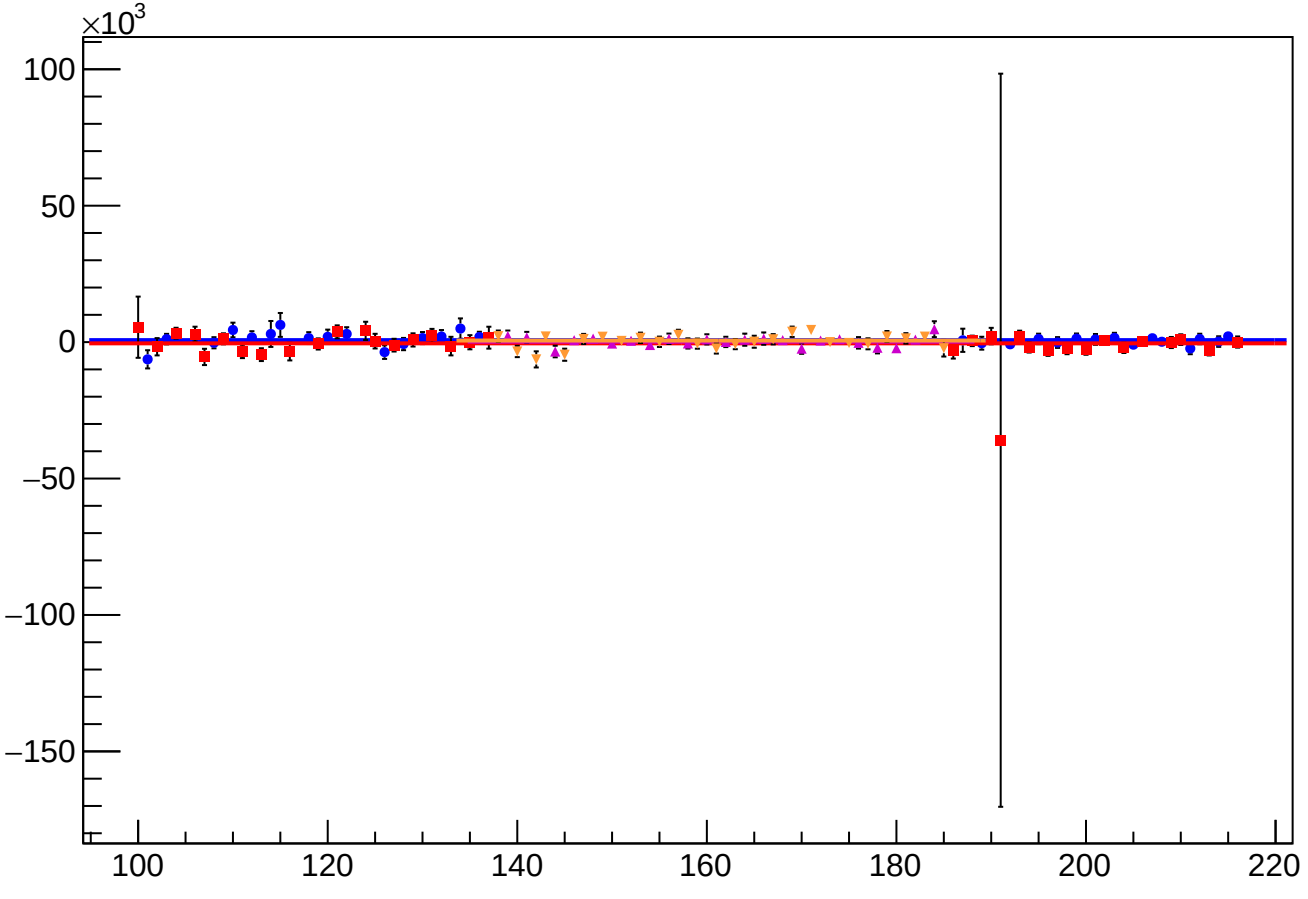
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1848.228+/-0.229 χ^2/NDF: 11597998.1/65

In: 1002.447+/-0.129 χ^2/NDF:14348232.5/53

Out: 992.138+/-0.127 χ^2/NDF:16150156.4/59

All: 997.220+/-0.090 χ^2/NDF: 30501633.0/11



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: -451.015+/-389.533 χ^2/NDF: 33.5/34

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

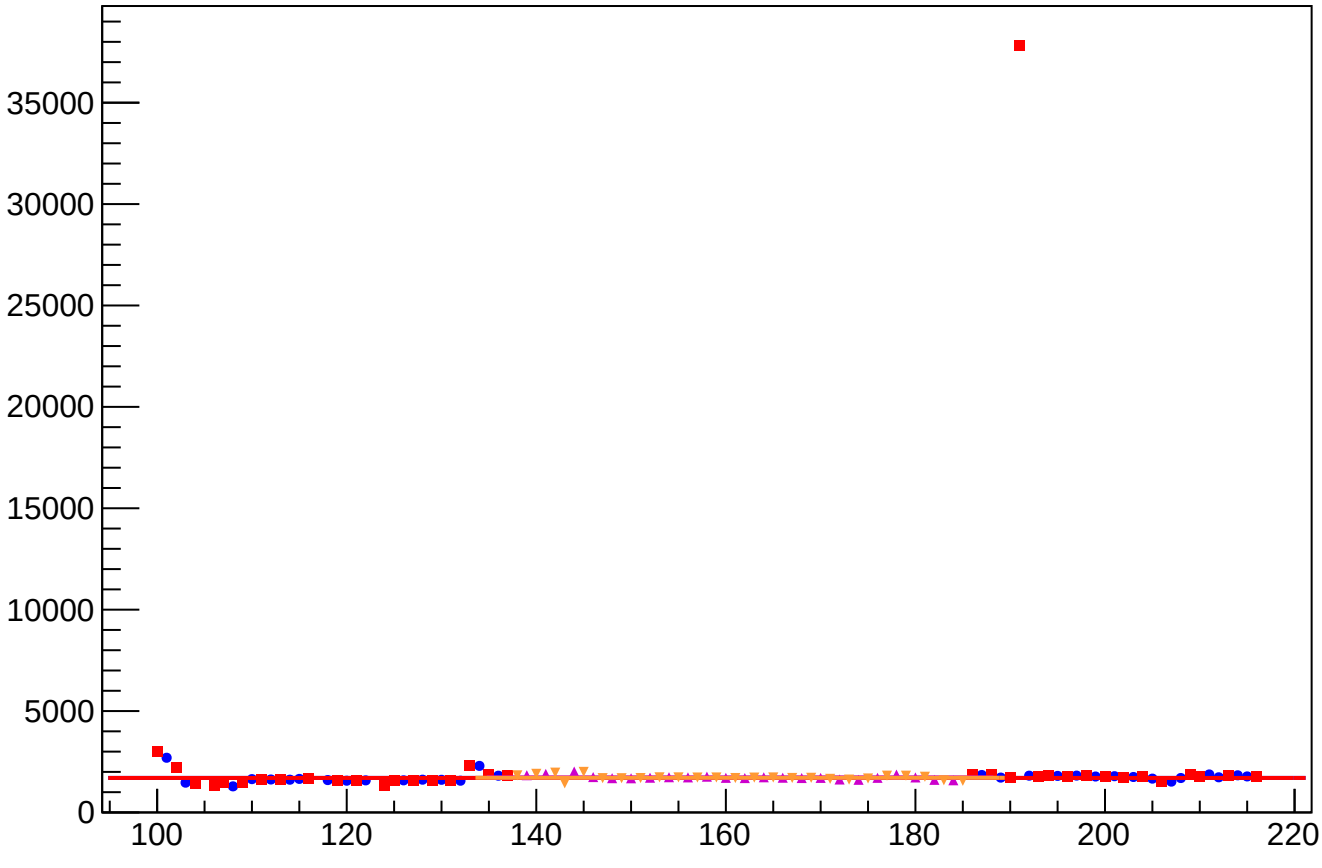
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 139.621+/-275.782 χ^2/NDF: 58.9/65

In: 468.874+/-280.807 χ^2/NDF:36.2/53

Out: 64.330+/-275.525 χ^2/NDF:68.9/59

All: 262.761+/-196.666 χ^2/NDF: 106.2/113



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: 1701.717+/-0.275 χ^2/NDF: 582106.2/34

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

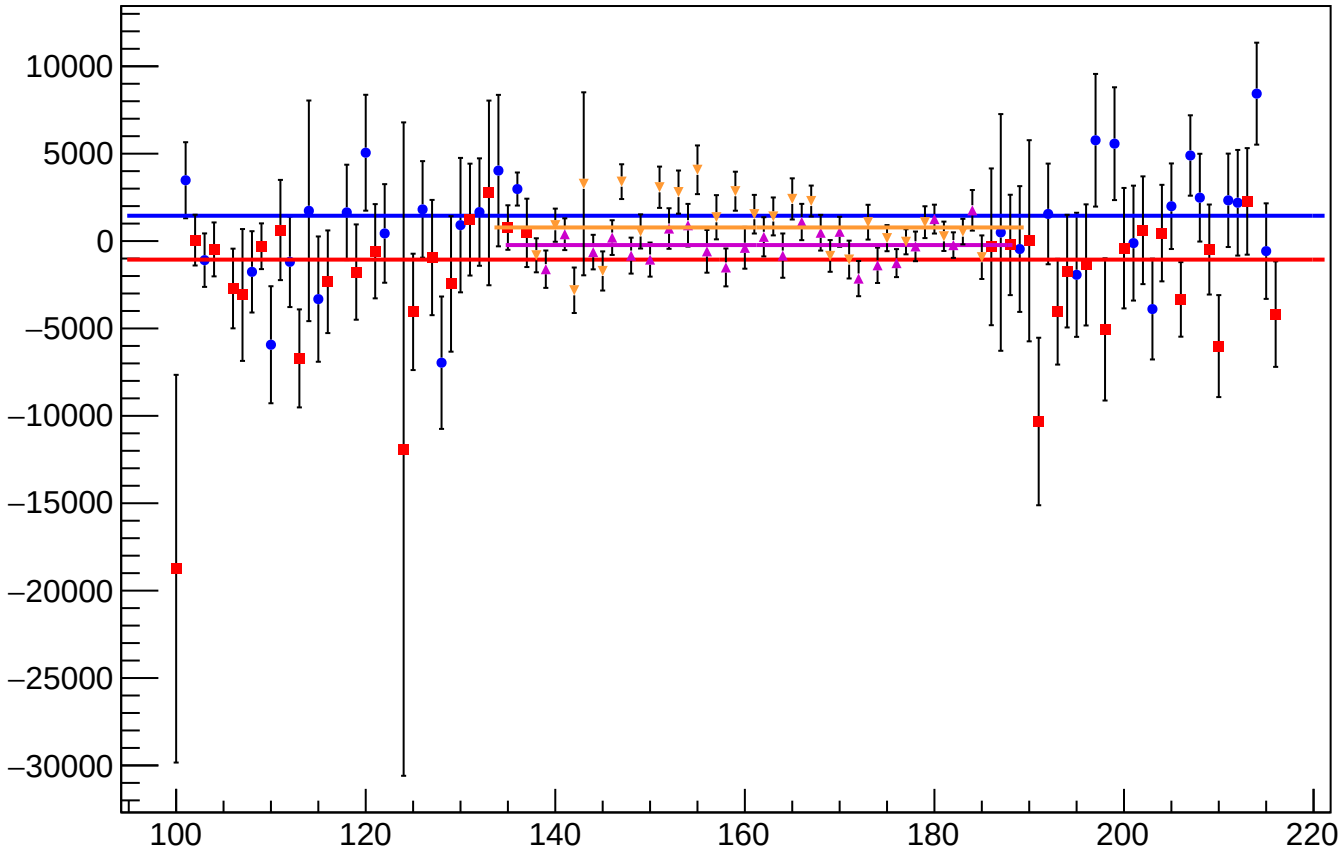
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1702.687+/-0.195 χ^2/NDF: 1047009.2/65

In: 1715.372+/-0.199 χ^2/NDF:568829.9/53

Out: 1706.711+/-0.195 χ^2/NDF:750770.4/59

All: 1710.959+/-0.139 χ^2/NDF: 1320569.6/11



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: -1061.309+/-435.628 χ^2/NDF: 27.0/34

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

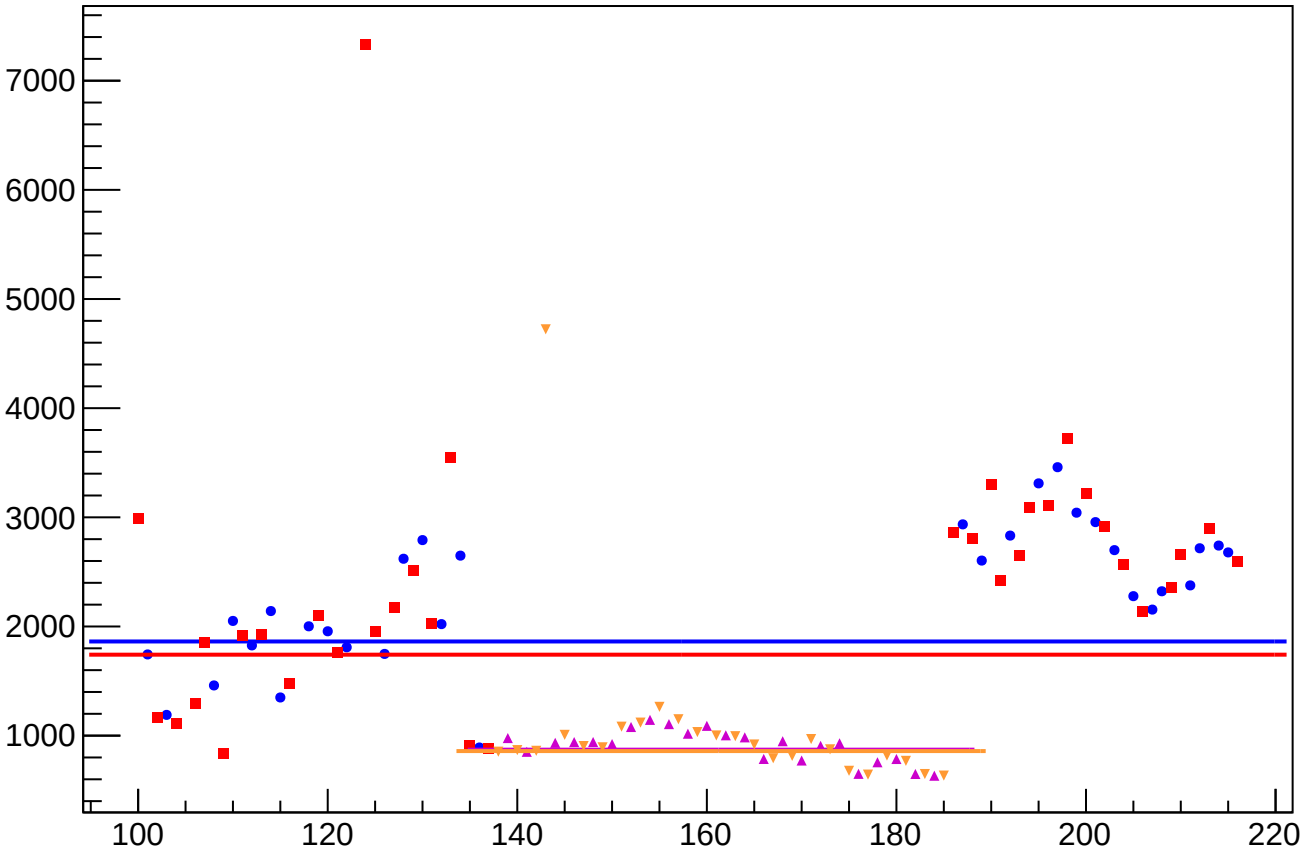
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 128.912+/-315.870 χ^2/NDF: 81.9/65

In: 54.256+/-188.451 χ^2/NDF:72.9/53

Out: 454.259+/-182.989 χ^2/NDF:96.2/59

All: 260.139+/-131.281 χ^2/NDF: 171.4/113



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: 1741.733+/-0.308 χ^2/NDF: 7133696.1/34

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

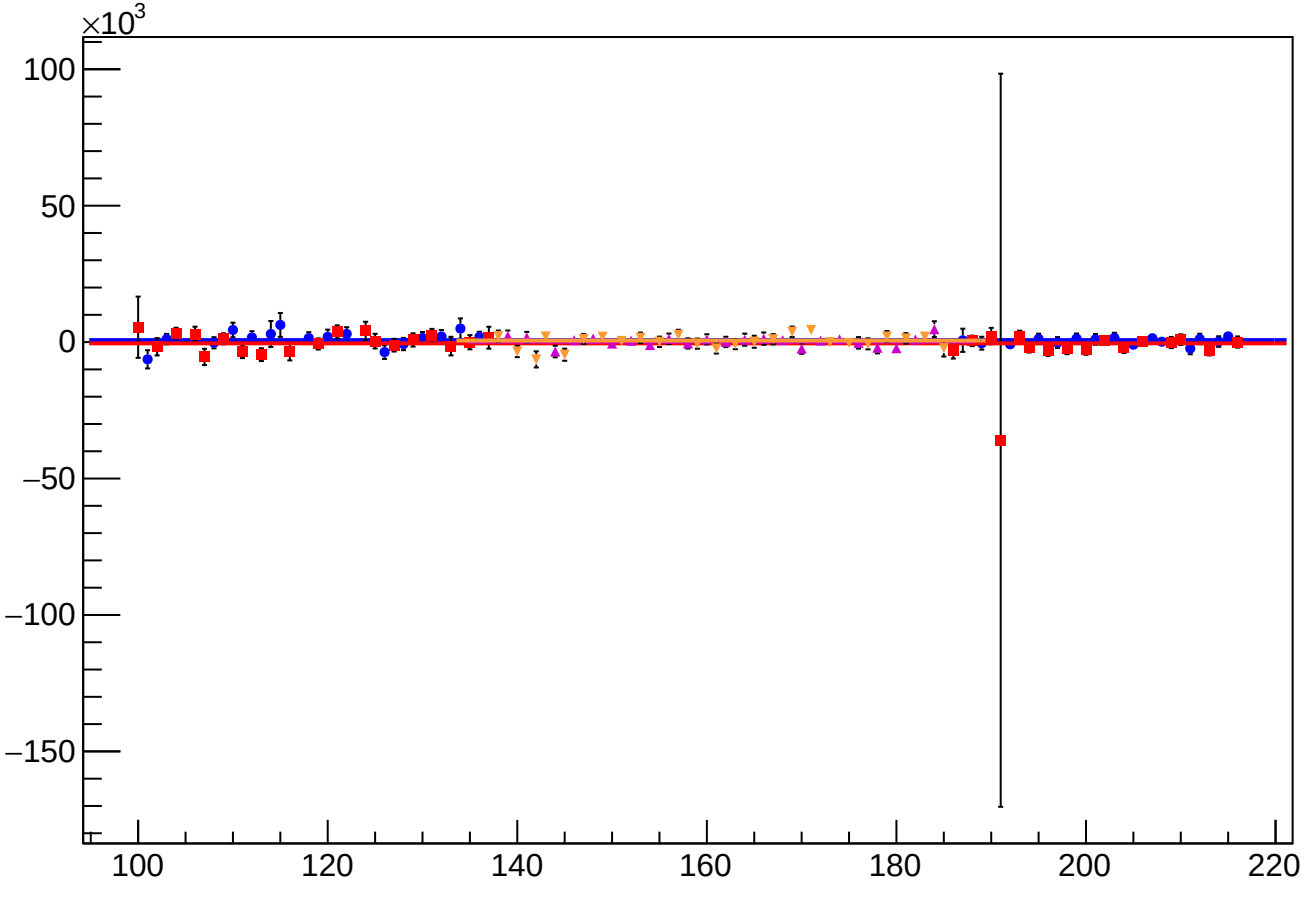
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1799.116+/-0.223 χ^2/NDF: 12554088.0/65

In: 1038.846+/-0.133 χ^2/NDF:14089840.0/53

Out: 1014.421+/-0.129 χ^2/NDF:16182857.0/59

All: 1026.274+/-0.093 χ^2/NDF: 30289988.8/1



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: -451.011+/-389.533 χ^2/NDF: 33.5/34

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

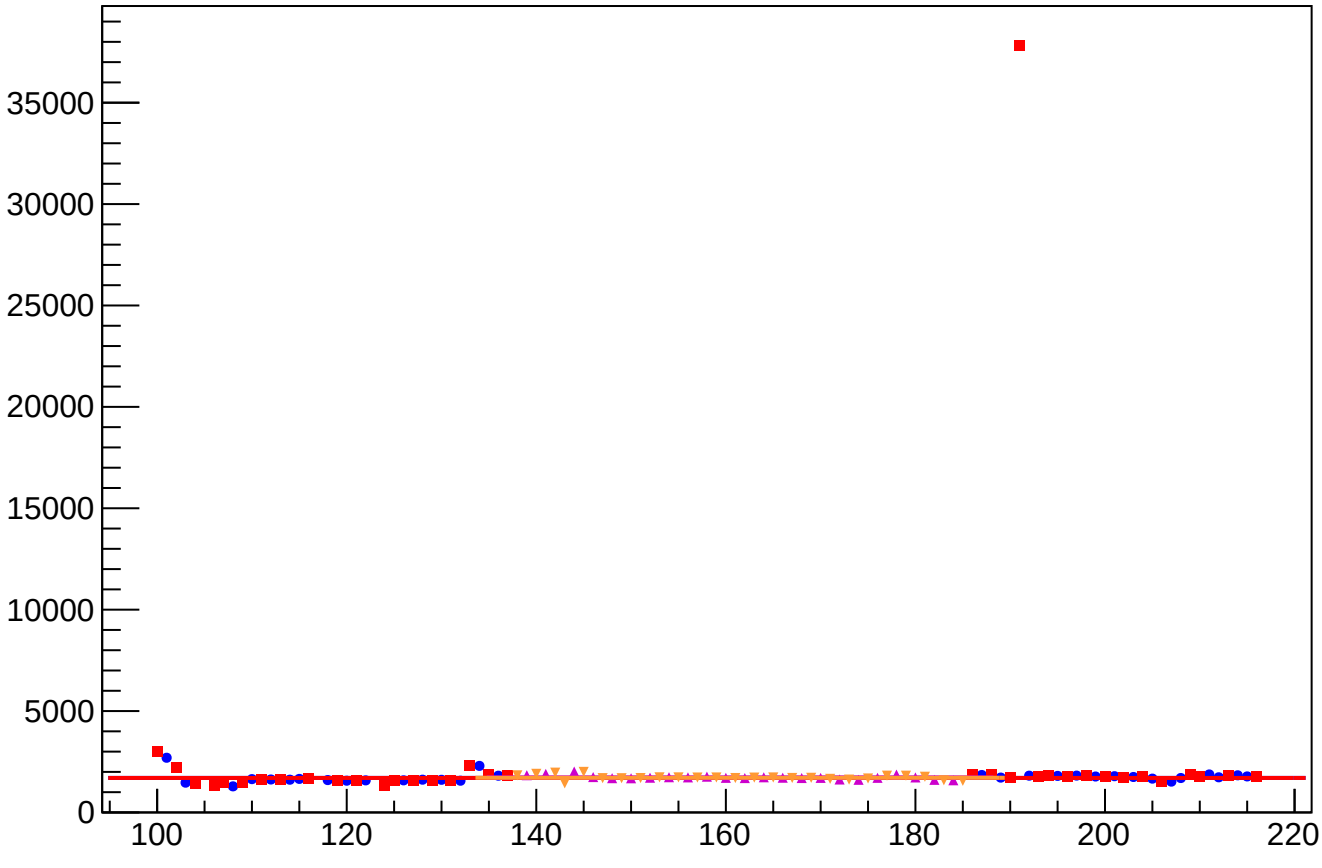
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 139.621+/-275.782 χ^2/NDF: 58.9/65

In: 468.871+/-280.807 χ^2/NDF:36.2/53

Out: 64.330+/-275.525 χ^2/NDF:68.9/59

All: 262.760+/-196.666 χ^2/NDF: 106.2/113



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: 1701.717+/-0.275 χ^2/NDF: 582106.4/34

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

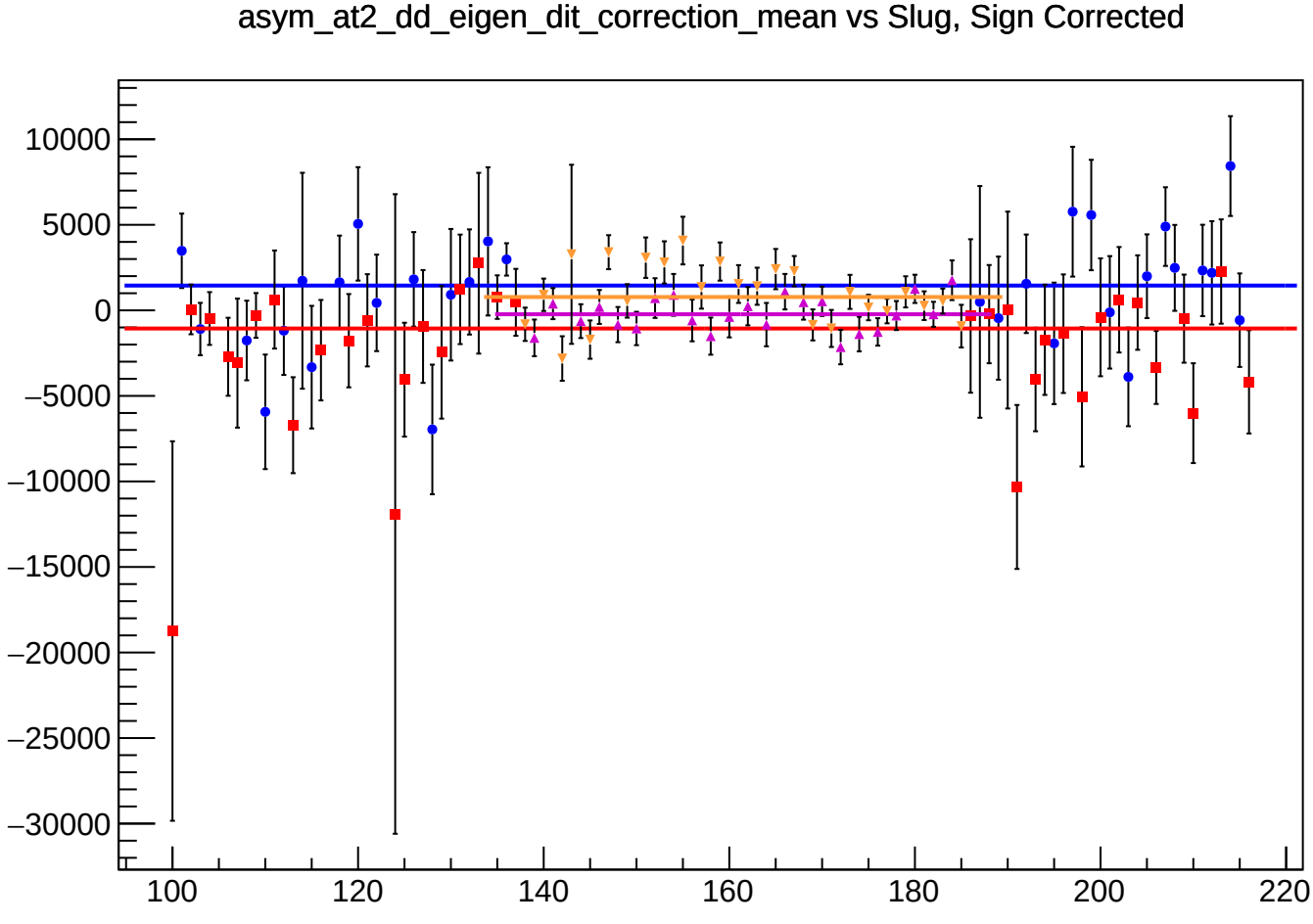
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1702.687+/-0.195 χ^2/NDF: 1047009.2/65

In: 1715.372+/-0.199 χ^2/NDF:568829.6/53

Out: 1706.711+/-0.195 χ^2/NDF:750769.4/59

All: 1710.959+/-0.139 χ^2/NDF: 1320568.2/11



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: -1061.321+/-435.630 χ^2/NDF: 27.0/34

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

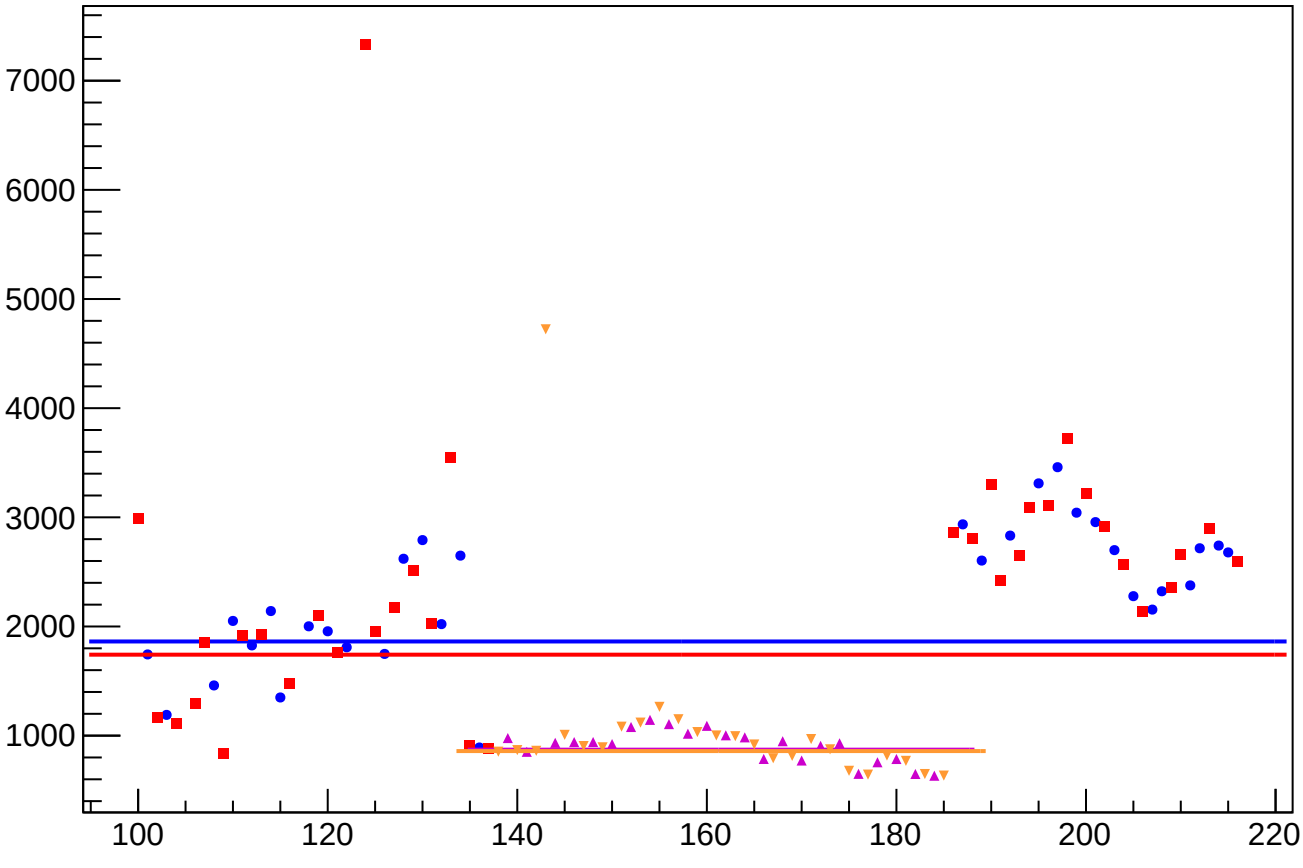
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 128.906+/-315.871 χ^2/NDF: 81.9/65

In: 54.255+/-188.451 χ^2/NDF:72.9/53

Out: 454.262+/-182.989 χ^2/NDF:96.2/59

All: 260.140+/-131.281 χ^2/NDF: 171.4/113



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: 1741.747+/-0.308 χ^2/NDF: 7133533.4/34

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

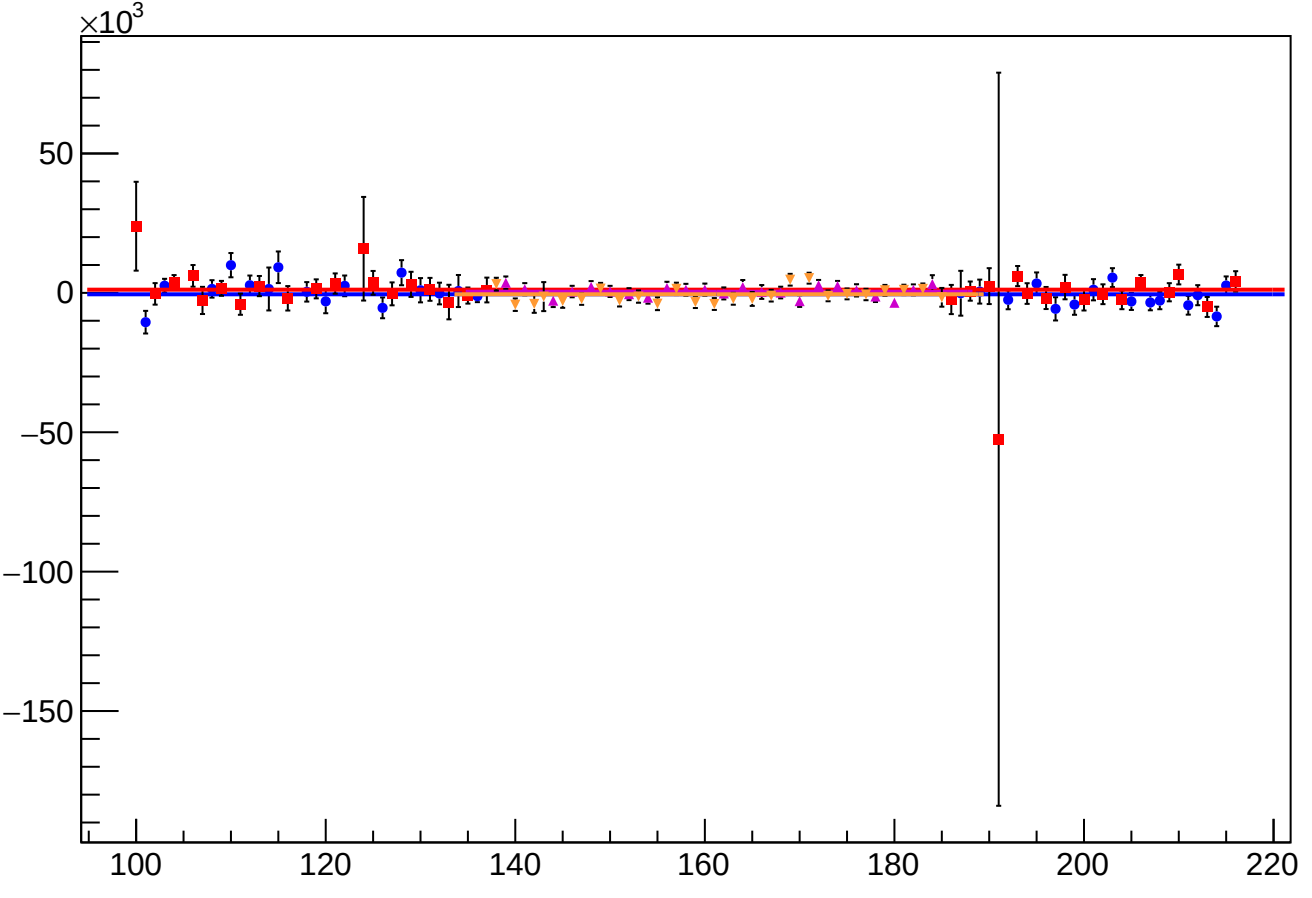
Right: 1799.129+/-0.223 χ^2/NDF: 12553728.2/65

In: 1038.846+/-0.133 χ^2/NDF:14089818.8/53

Out: 1014.422+/-0.129 χ^2/NDF:16182831.8/59

All: 1026.275+/-0.093 χ^2/NDF: 30289940.5/1

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: 1146.487+/-647.976 χ^2/NDF: 23.6/34

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

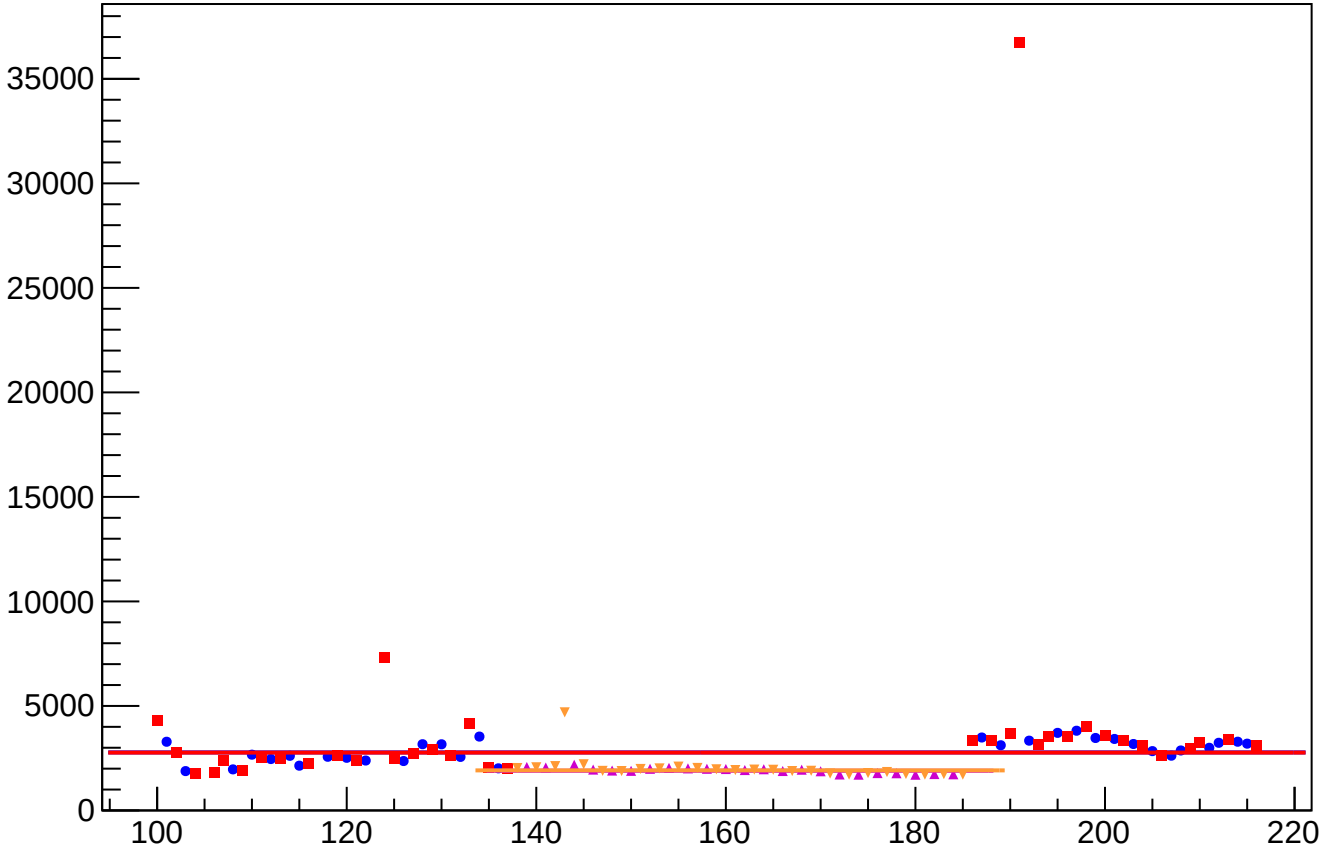
Right: 314.062+/-457.451 χ^2/NDF: 67.5/65

In: 114.178+/-366.209 χ^2/NDF:60.9/53

Out: 18.425+/-363.963 χ^2/NDF:63.9/59

All: 66.007+/-258.151 χ^2/NDF: 124.9/113

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: 2768.329+/-0.458 χ^2/NDF: 2087368.3/34

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

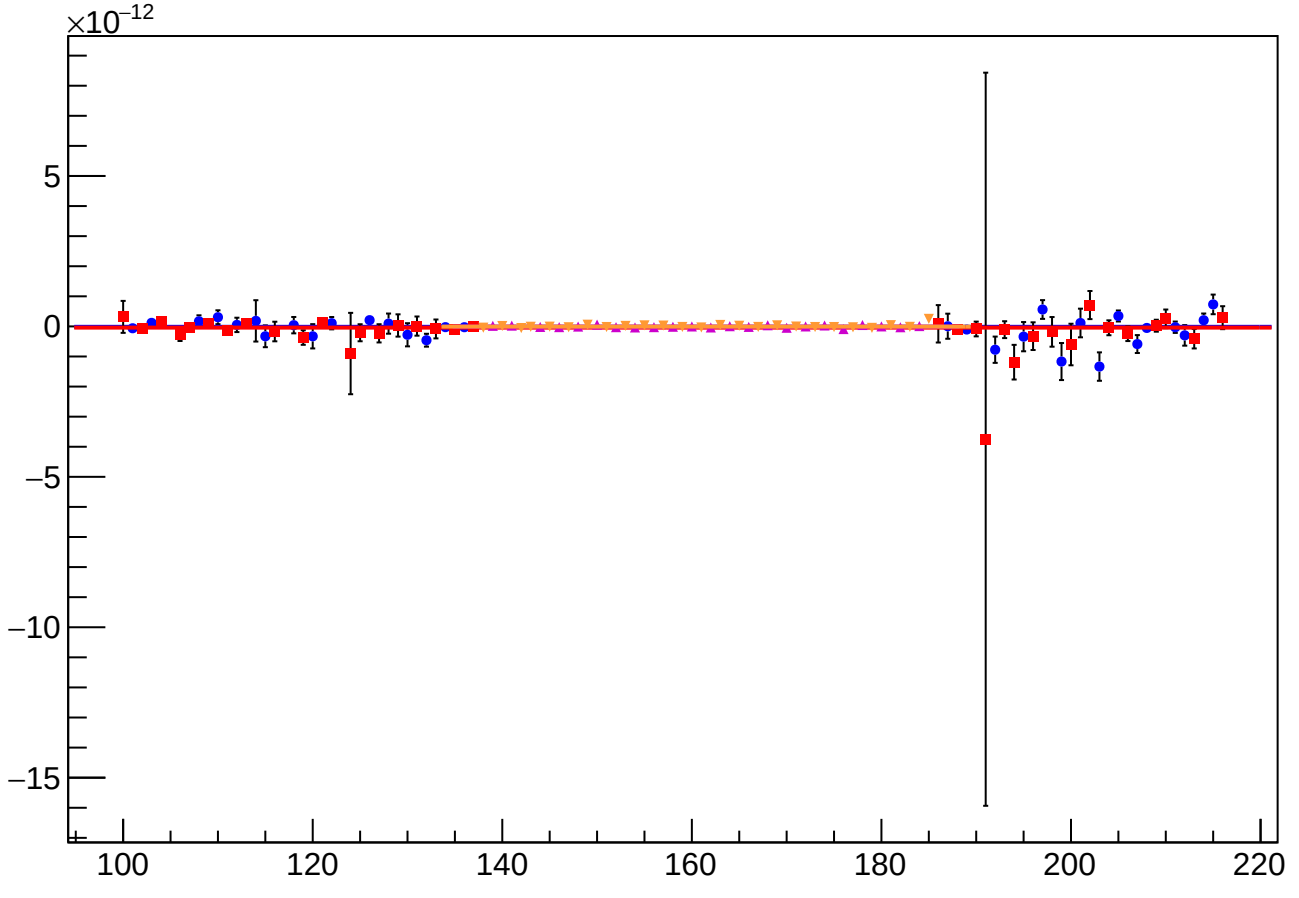
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2772.727+/-0.323 χ^2/NDF: 3545704.1/65

In: 2181.445+/-0.259 χ^2/NDF:4138334.2/53

Out: 2185.702+/-0.257 χ^2/NDF:5205995.7/59

All: 2183.587+/-0.183 χ^2/NDF: 9344465.8/11



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: 27.1/34

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

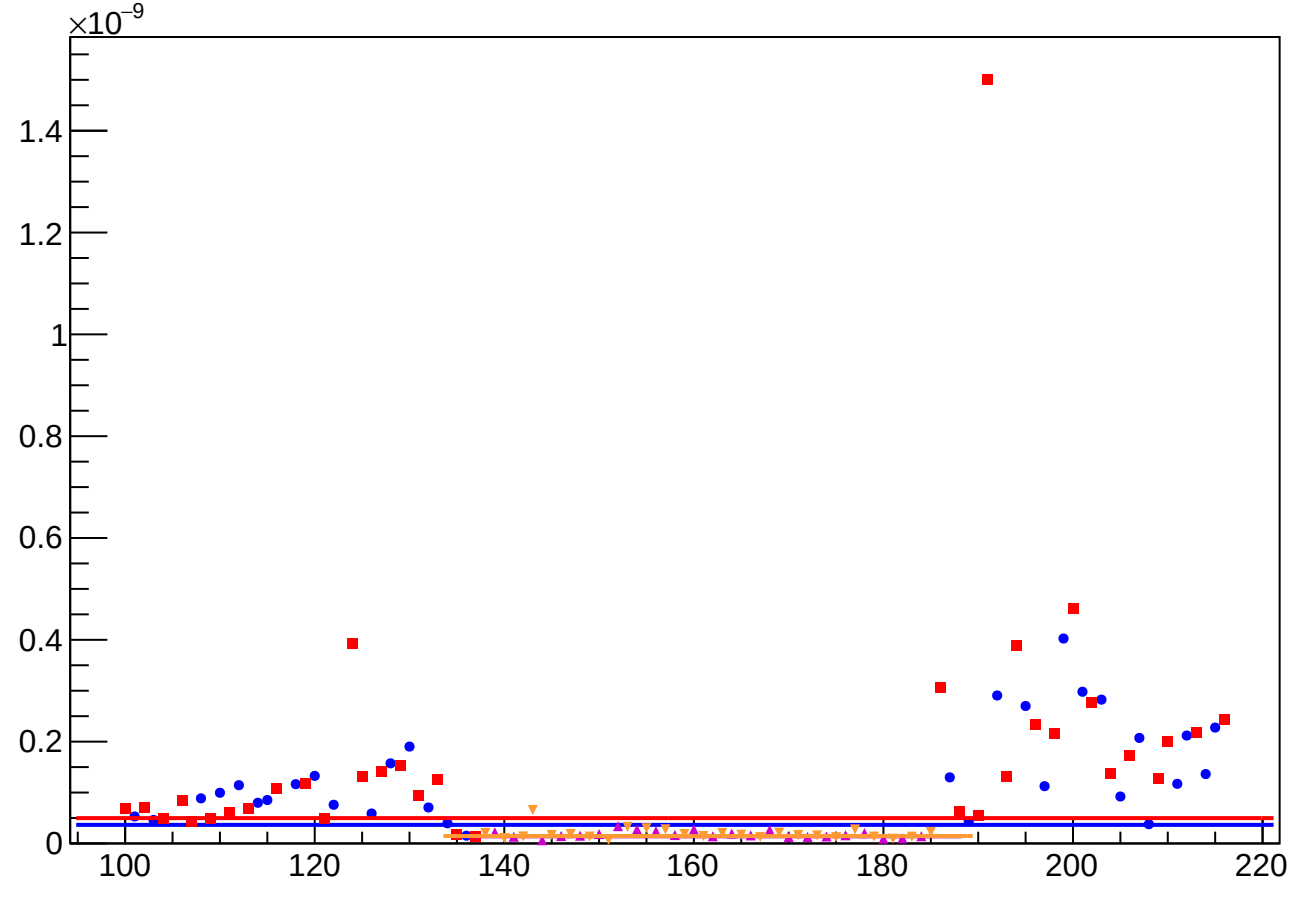
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 75.9/65

In: -0.000+/-0.000 χ^2/NDF:73.2/53

Out: -0.000+/-0.000 χ^2/NDF:57.3/59

All: -0.000+/-0.000 χ^2/NDF: 130.6/113



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: 8457596.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

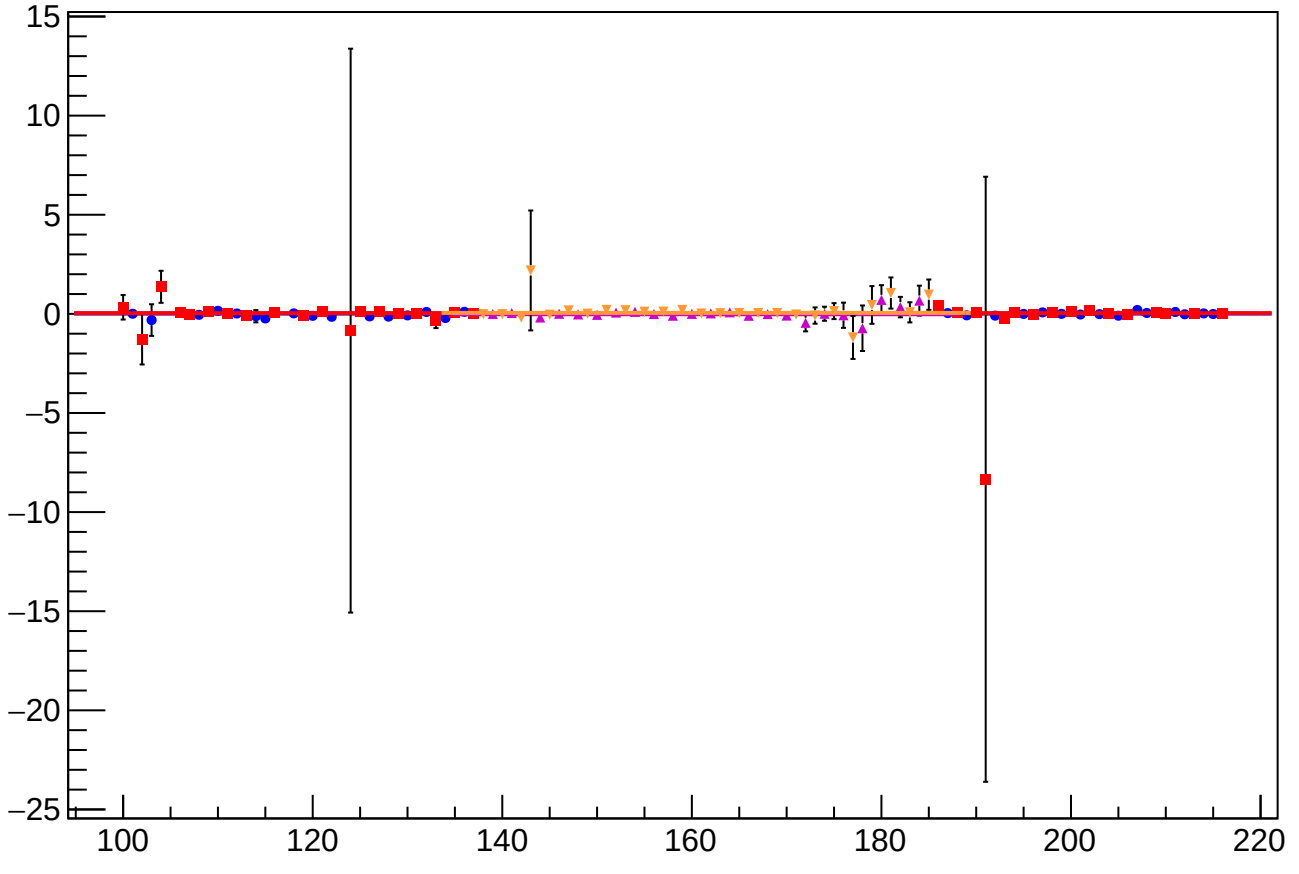
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 17877996.0/65

In: 0.000+/-0.000 χ^2/NDF:13232057.3/53

Out: 0.000+/-0.000 χ^2/NDF:13812187.0/59

All: 0.000+/-0.000 χ^2/NDF: 27058345.9/113



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: 0.035+/-0.016 χ^2/NDF: 25.9/34

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

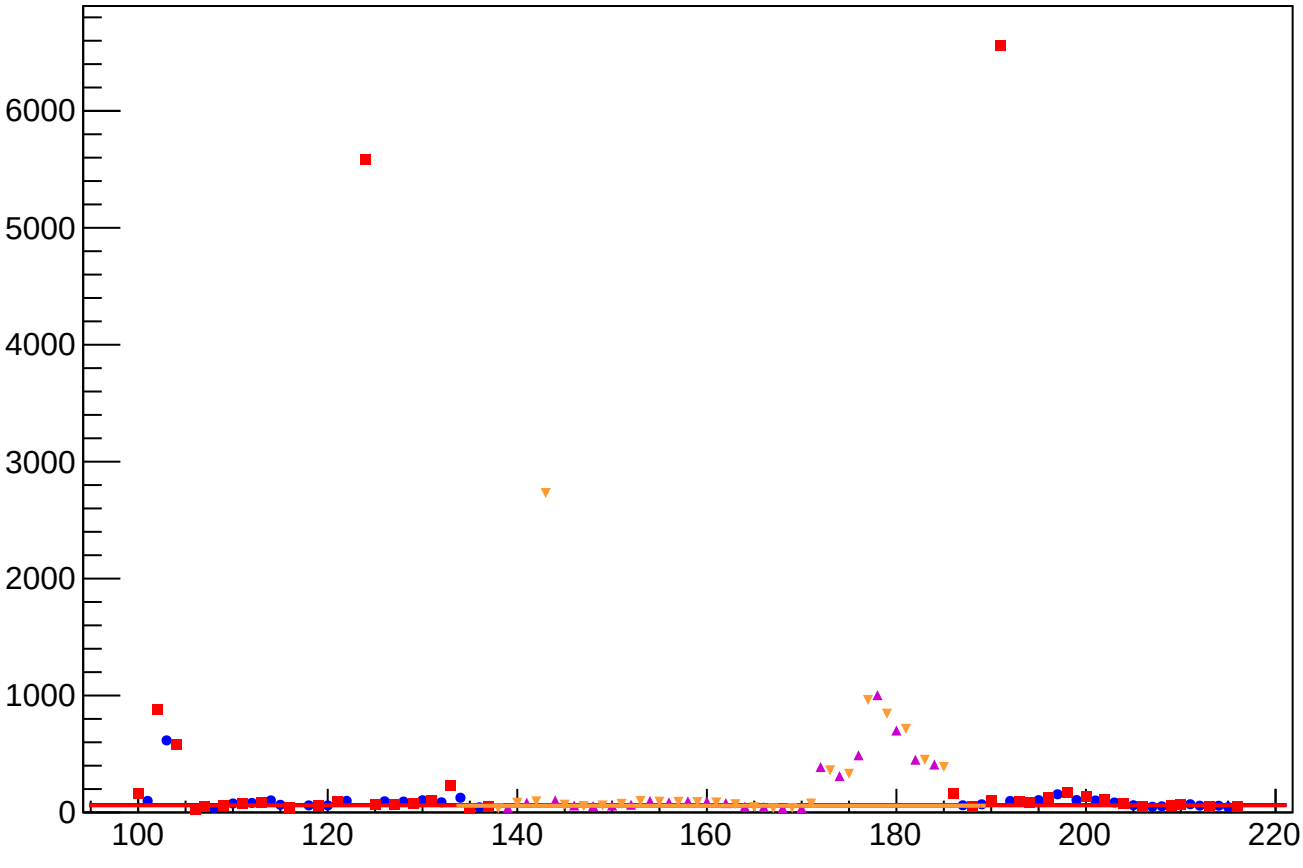
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.026+/-0.012 χ^2/NDF: 57.2/65

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.042+/-0.012 χ^2/NDF:50.8/59

All: 0.021+/-0.008 χ^2/NDF: 105.6/113



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: 60.790+/-0.011 χ^2/NDF: 7371399.5/34

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

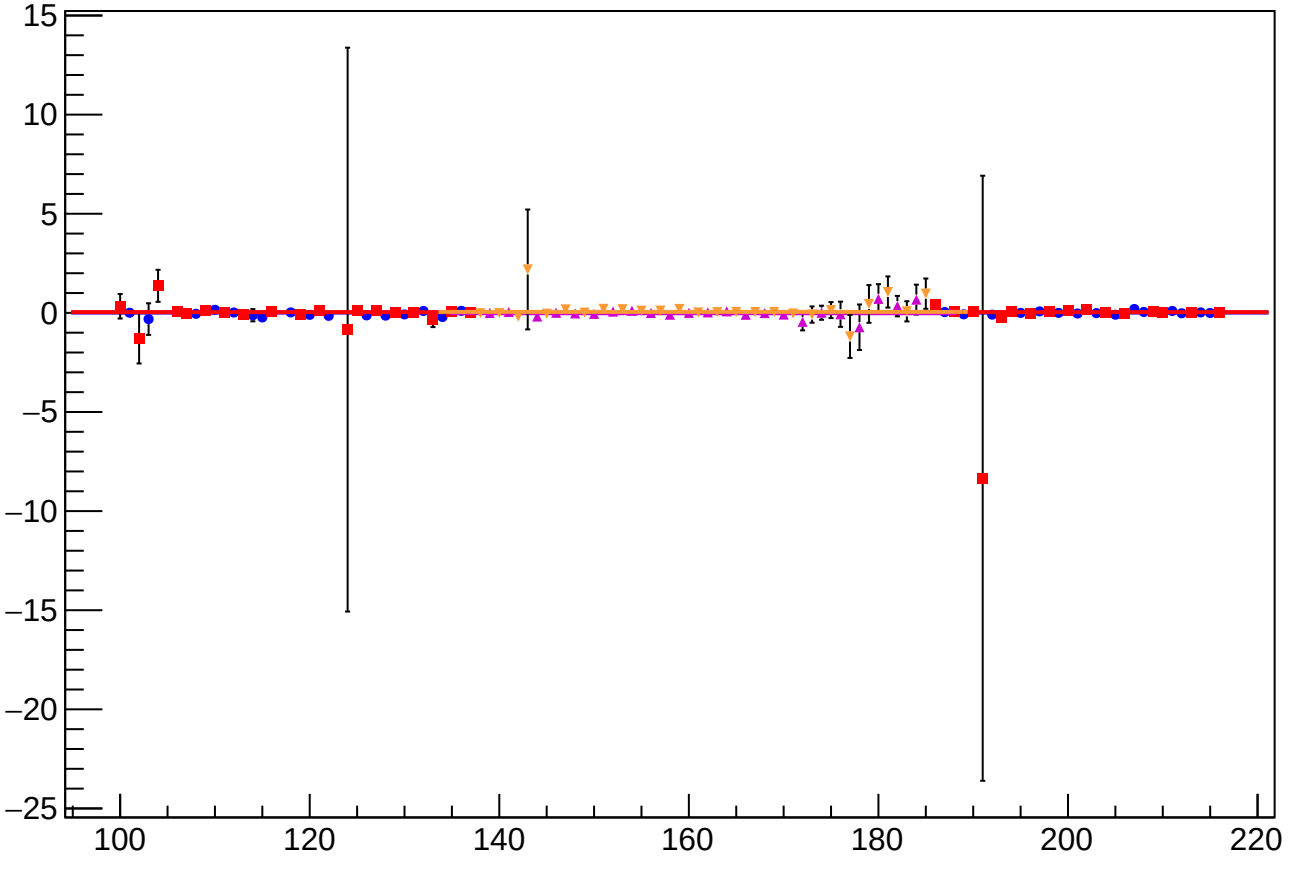
Right: 62.228+/-0.008 χ^2/NDF: 11956680.1/65

In: 61.254+/-0.008 χ^2/NDF:14894384.7/53

Out: 59.107+/-0.008 χ^2/NDF:19738423.0/59

All: 60.176+/-0.006 χ^2/NDF: 34666019.9/113

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: 0.035+/-0.016 χ^2/NDF: 25.9/34

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

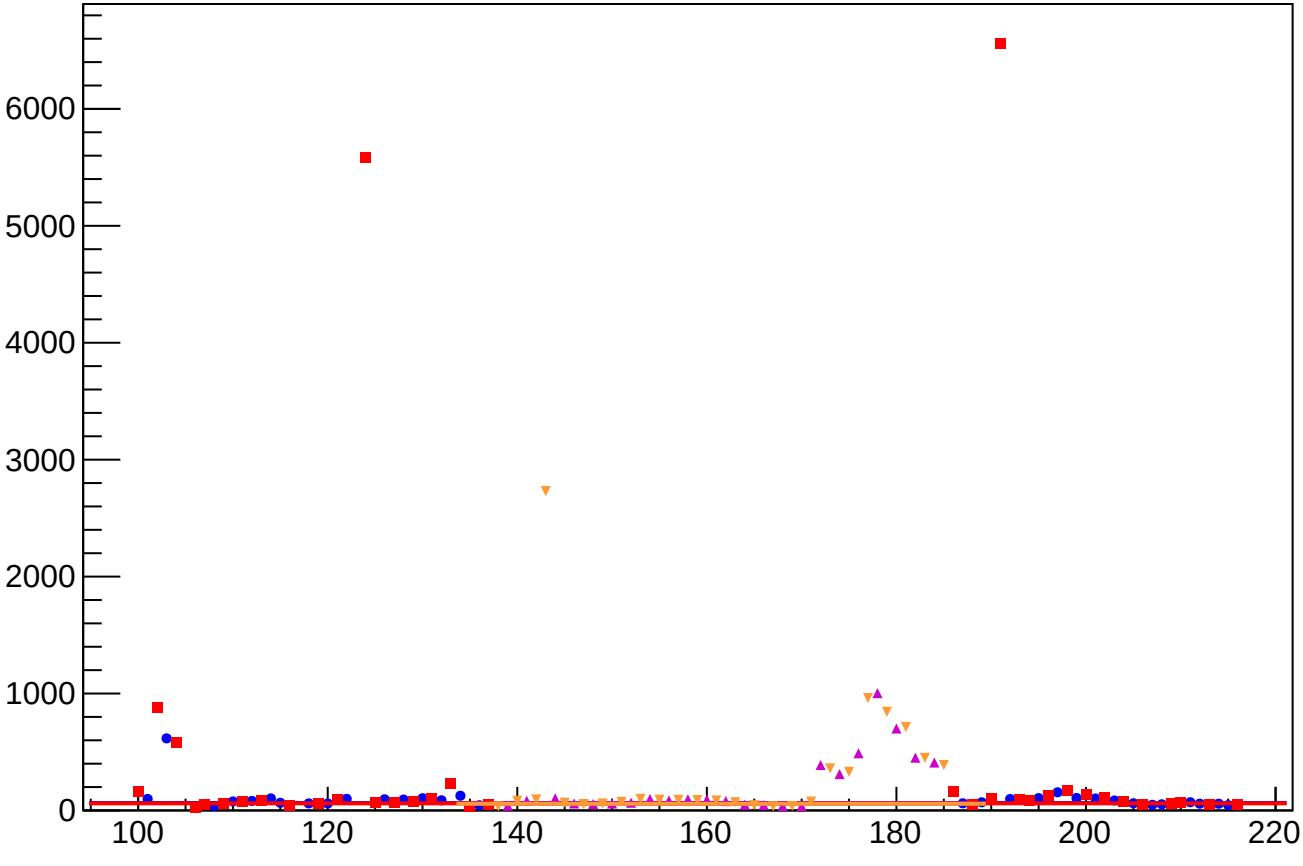
Right: 0.026+/-0.012 χ^2/NDF: 57.2/65

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.042+/-0.012 χ^2/NDF:50.8/59

All: 0.021+/-0.008 χ^2/NDF: 105.6/113

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: 60.790+/-0.011 χ^2/NDF: 7371399.5/34

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

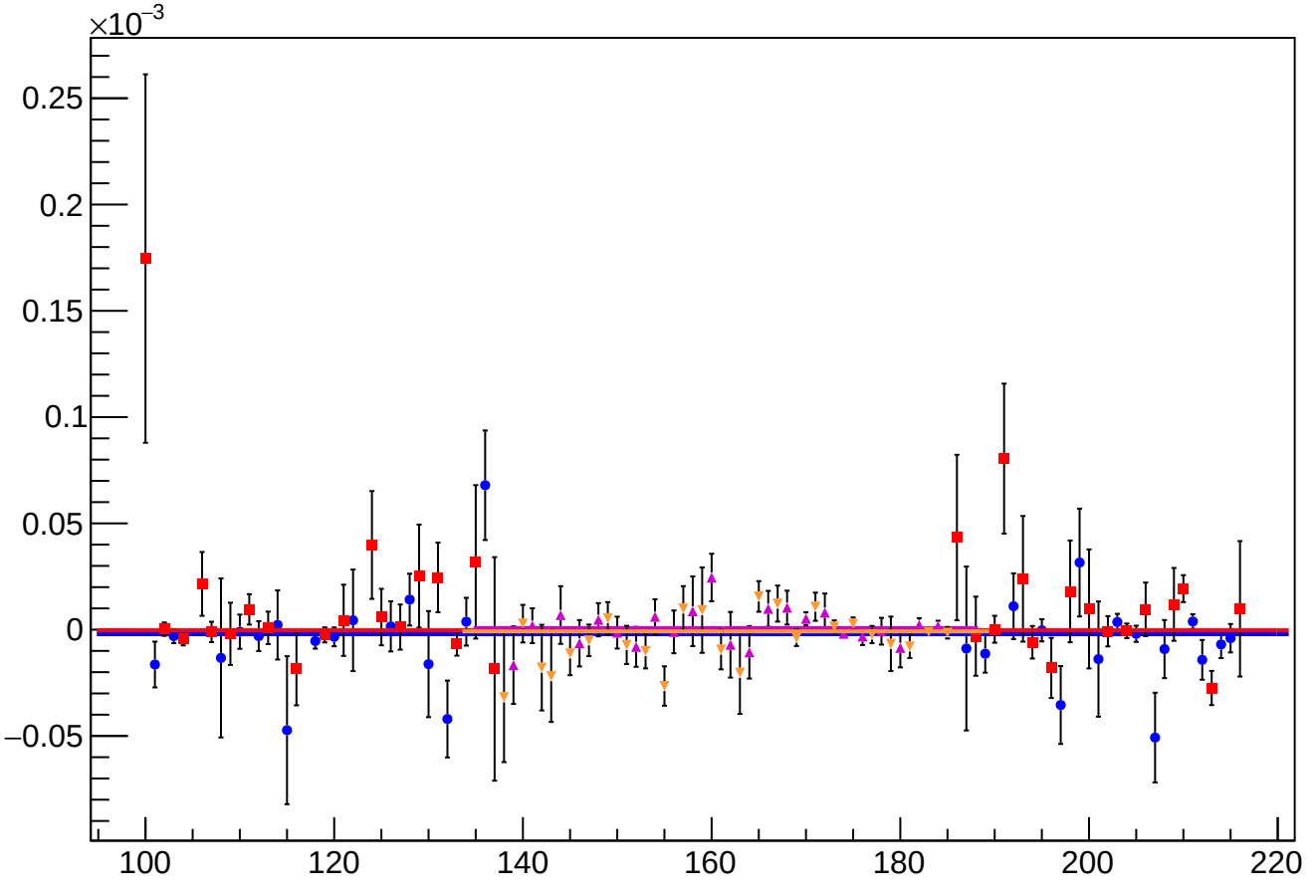
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 62.228+/-0.008 χ^2/NDF: 11956680.1/65

In: 61.254+/-0.008 χ^2/NDF:14894384.7/53

Out: 59.107+/-0.008 χ^2/NDF:19738423.0/59

All: 60.176+/-0.006 χ^2/NDF: 34666019.9/113



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.4/34

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

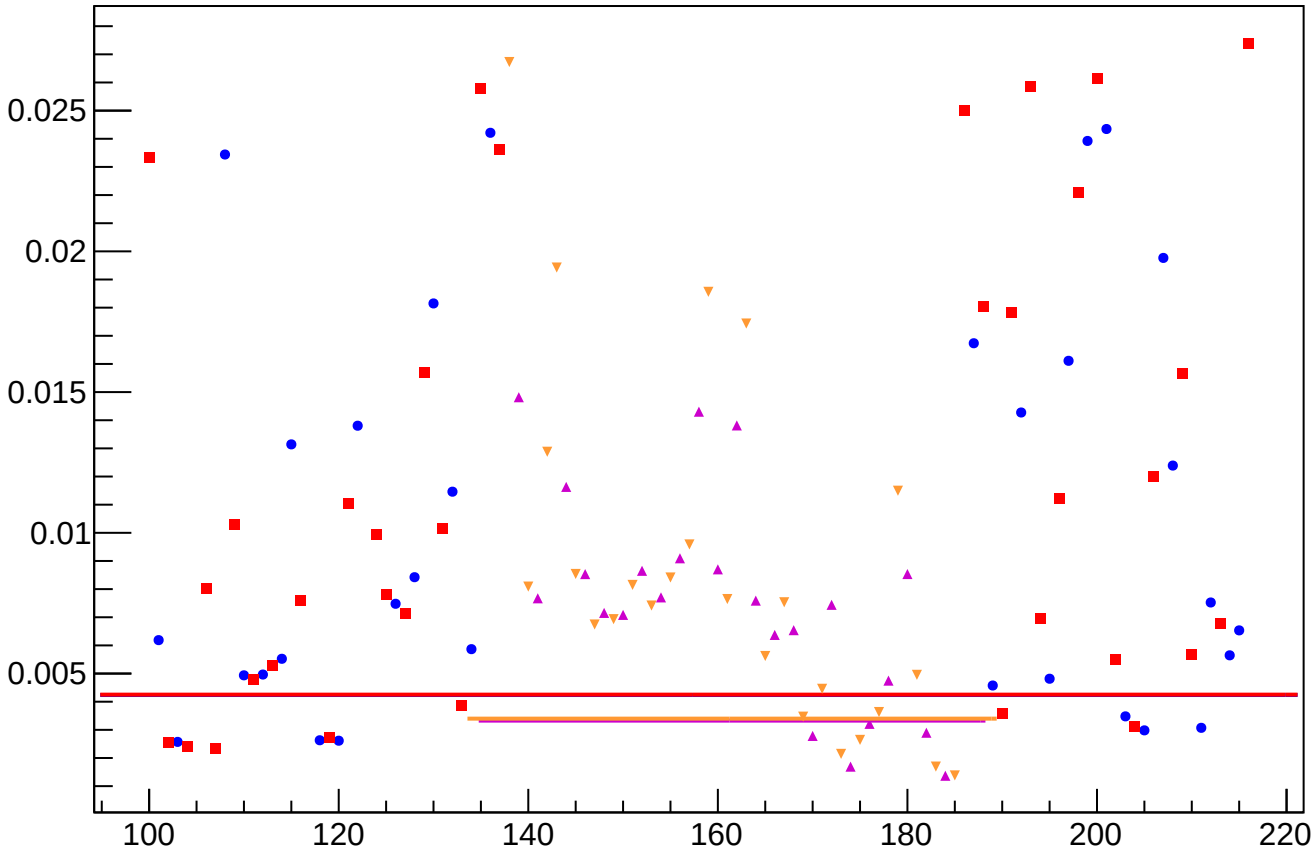
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 92.1/65

In: -0.000+/-0.000 χ^2/NDF:61.5/53

Out: -0.000+/-0.000 χ^2/NDF:84.2/59

All: -0.000+/-0.000 χ^2/NDF: 145.8/113



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: 14408418.0/34

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

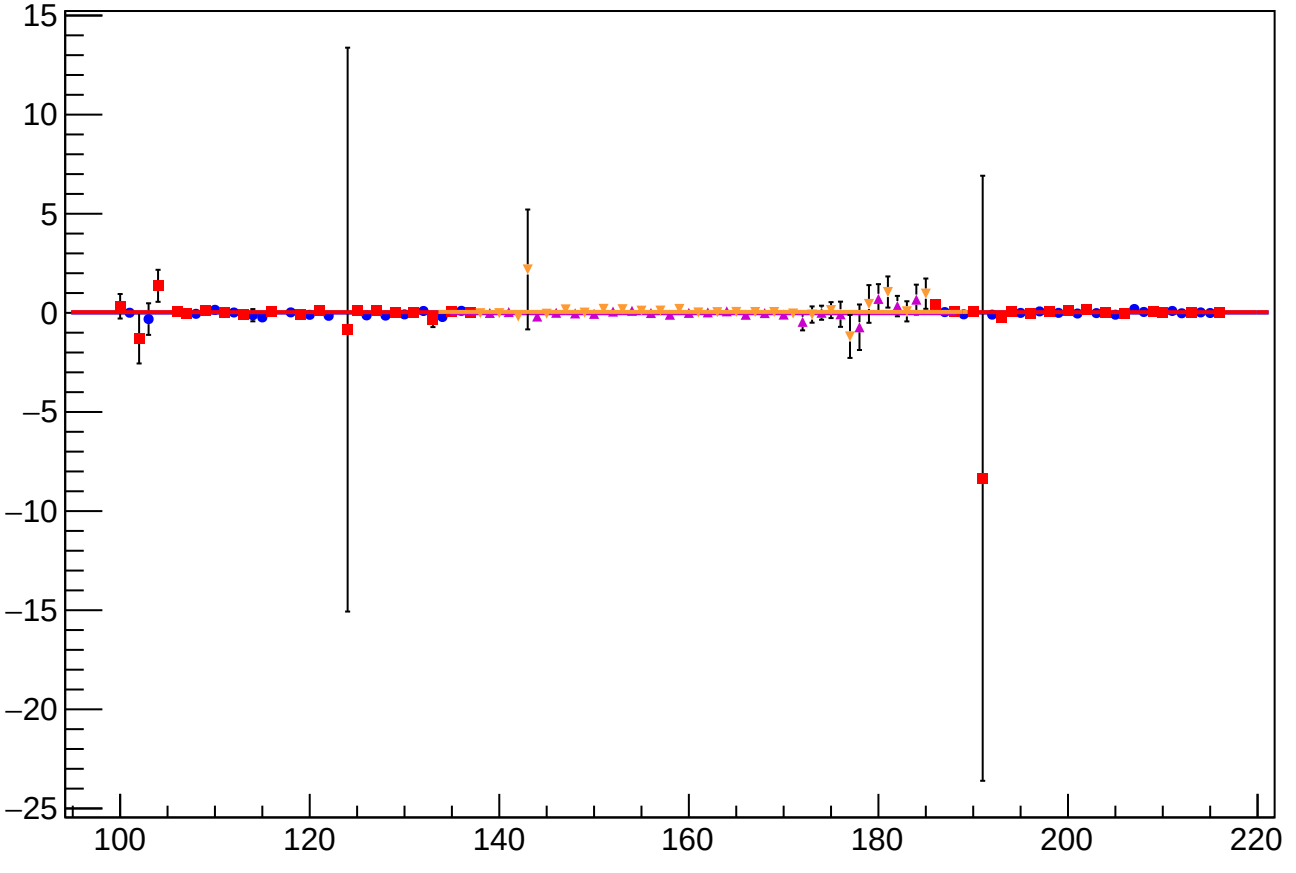
Right: 0.004+/-0.000 χ^2/NDF: 26374438.4/65

In: 0.004+/-0.000 χ^2/NDF:25158307.4/53

Out: 0.004+/-0.000 χ^2/NDF:29209269.3/59

All: 0.004+/-0.000 χ^2/NDF: 54369355.6/113

asym_at2_dd_eigen_dit_vs_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: 0.035+/-0.016 χ^2/NDF: 25.9/34

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

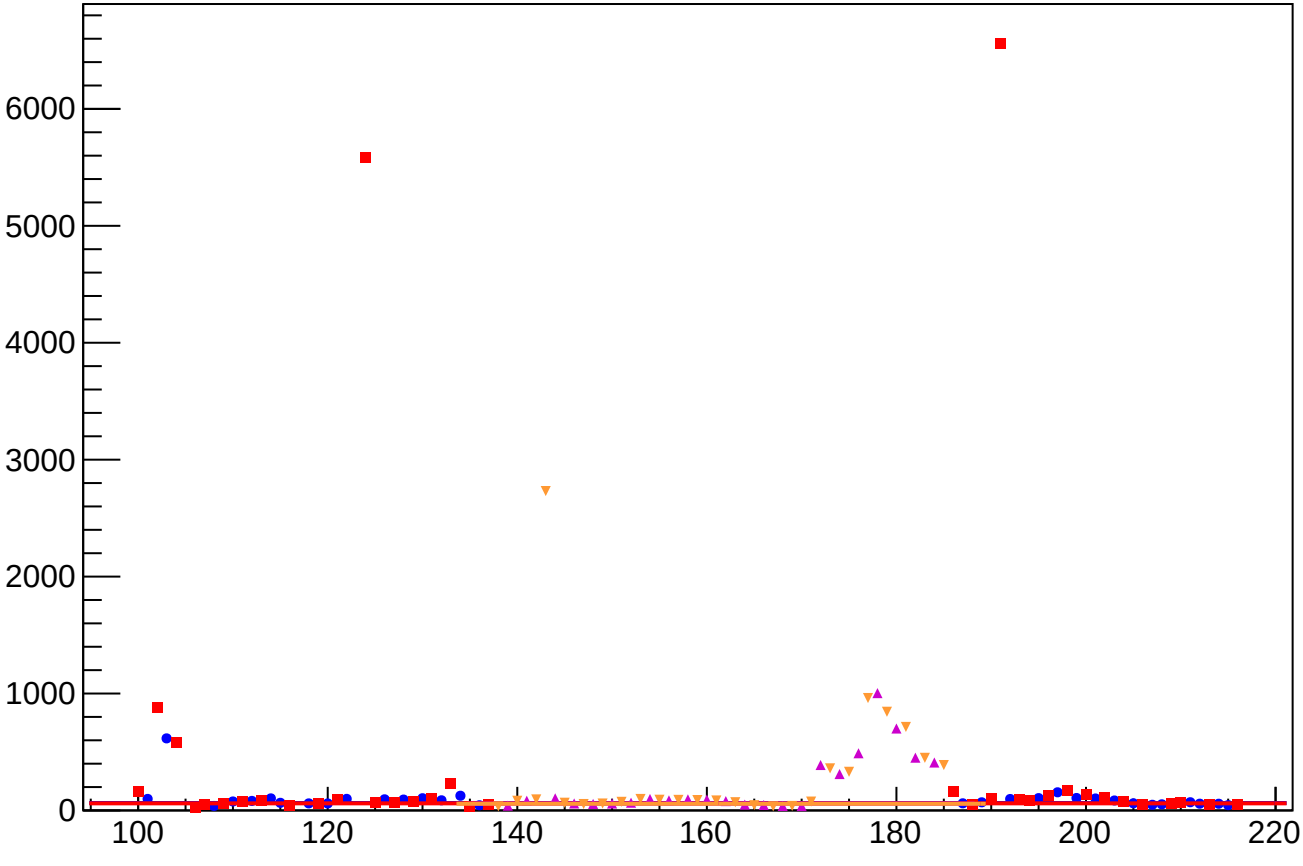
Right: 0.026+/-0.012 χ^2/NDF: 57.2/65

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.042+/-0.012 χ^2/NDF:50.8/59

All: 0.021+/-0.008 χ^2/NDF: 105.6/113

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: 60.788+/-0.011 χ^2/NDF: 7372243.9/34

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

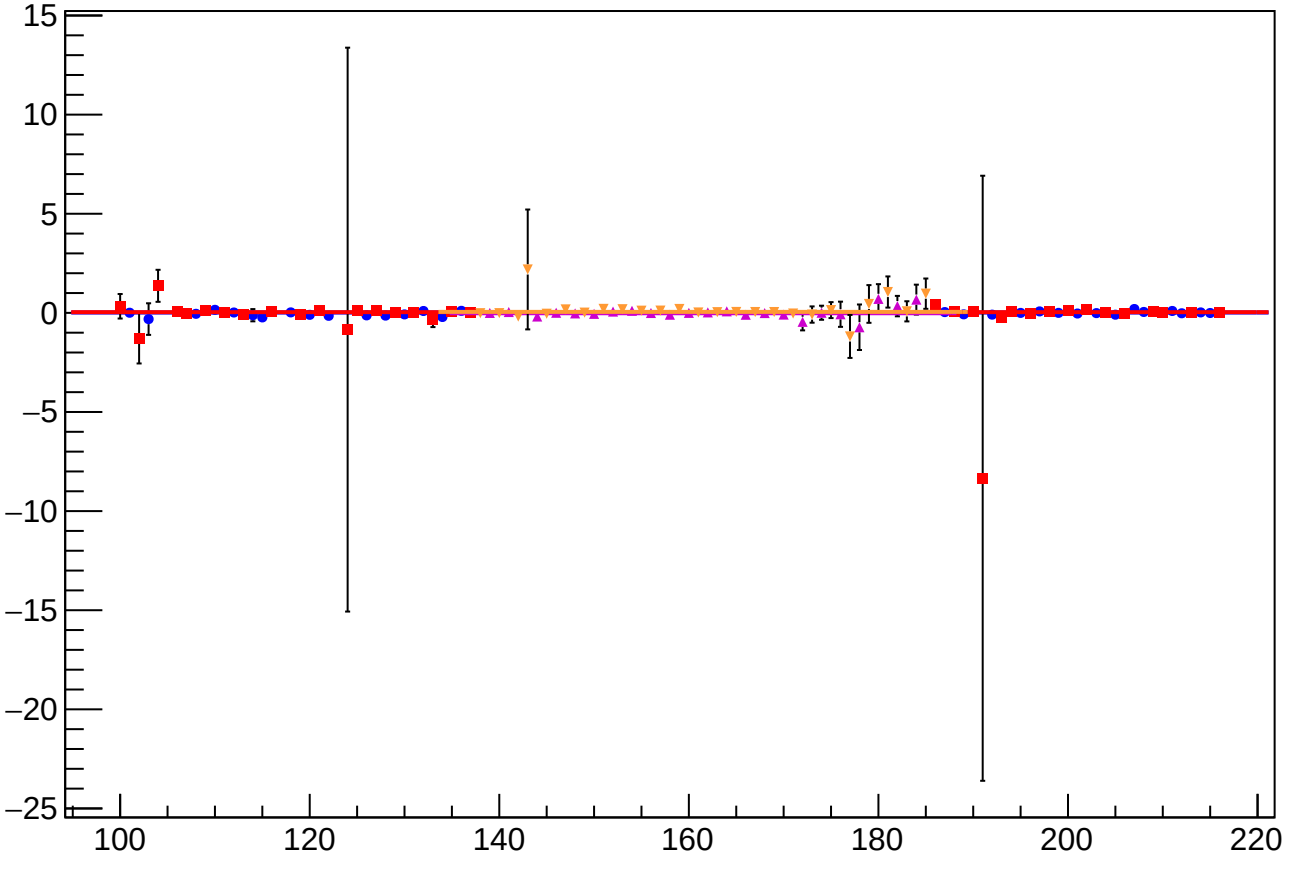
Right: 62.228+/-0.008 χ^2/NDF: 11956806.1/65

In: 61.256+/-0.008 χ^2/NDF:14893054.9/53

Out: 59.105+/-0.008 χ^2/NDF:19738985.0/59

All: 60.176+/-0.006 χ^2/NDF: 34665376.9/113

asym_at2_dd_eigen_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: 0.035+/-0.016 χ^2/NDF: 25.9/34

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

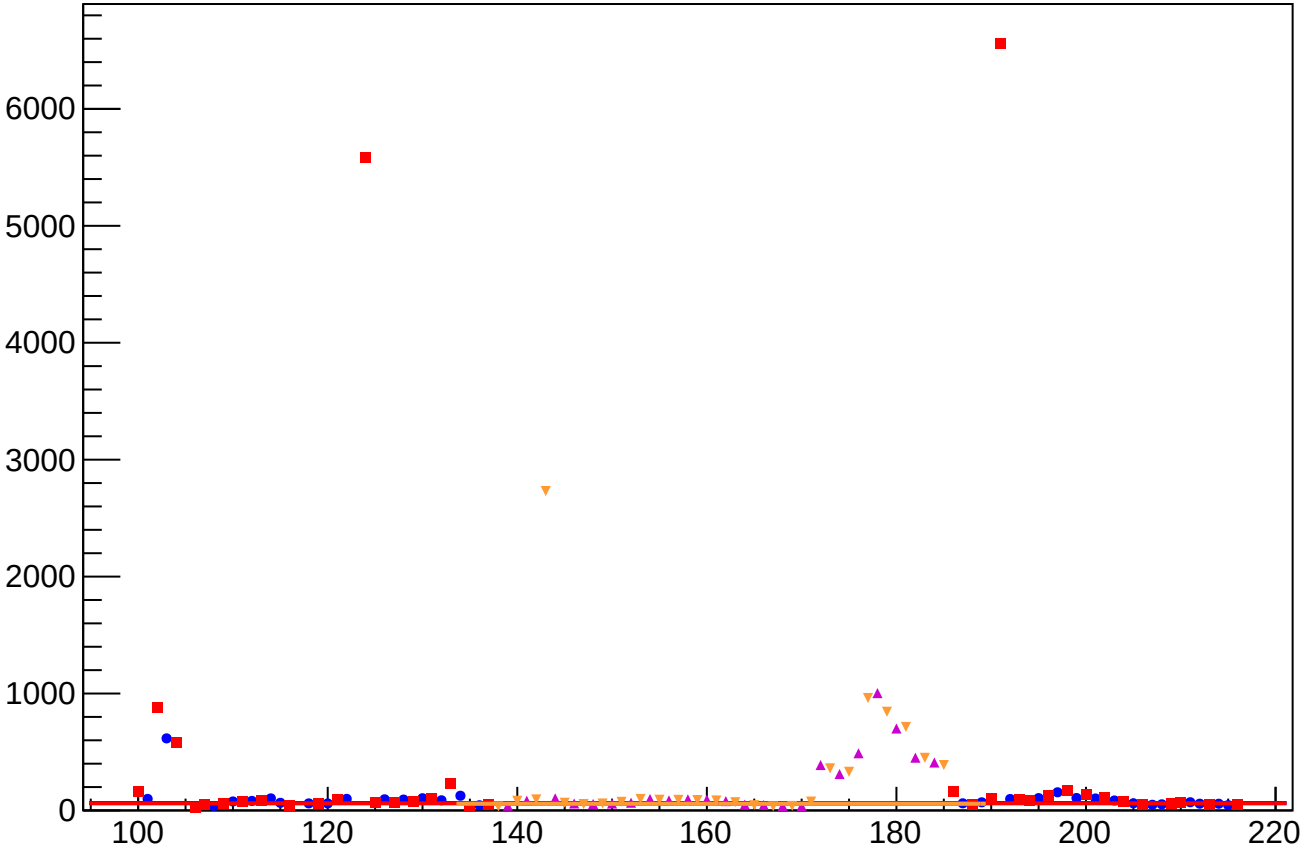
Right: 0.026+/-0.012 χ^2/NDF: 57.2/65

In: -0.000+/-0.012 χ^2/NDF:48.3/53

Out: 0.042+/-0.012 χ^2/NDF:50.8/59

All: 0.021+/-0.008 χ^2/NDF: 105.6/113

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: 60.788+/-0.011 χ^2/NDF: 7372243.9/34

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

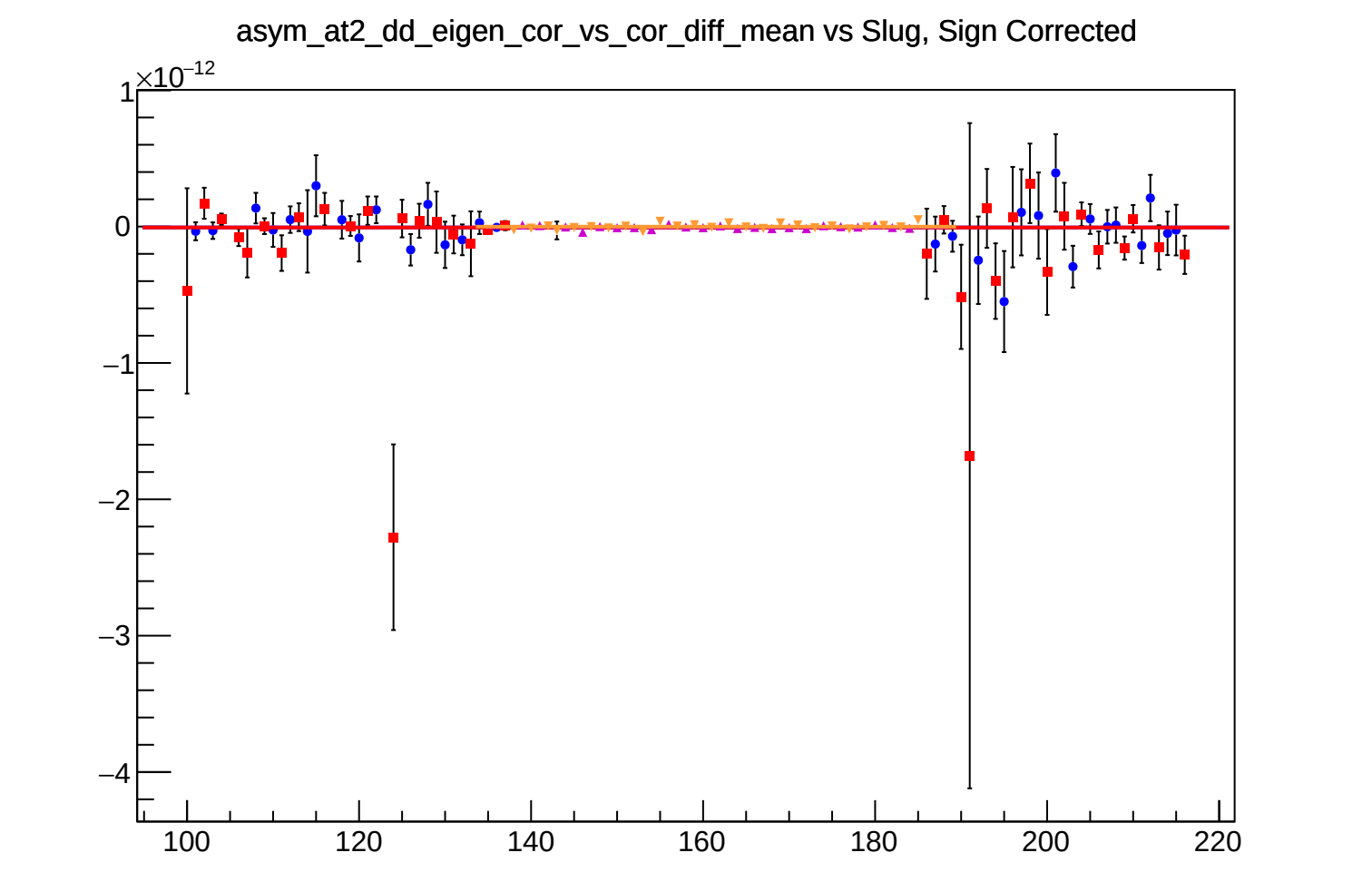
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 62.228+/-0.008 χ^2/NDF: 11956806.1/65

In: 61.256+/-0.008 χ^2/NDF:14893054.9/53

Out: 59.105+/-0.008 χ^2/NDF:19738985.0/59

All: 60.176+/-0.006 χ^2/NDF: 34665376.9/113



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: 42.0/34

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

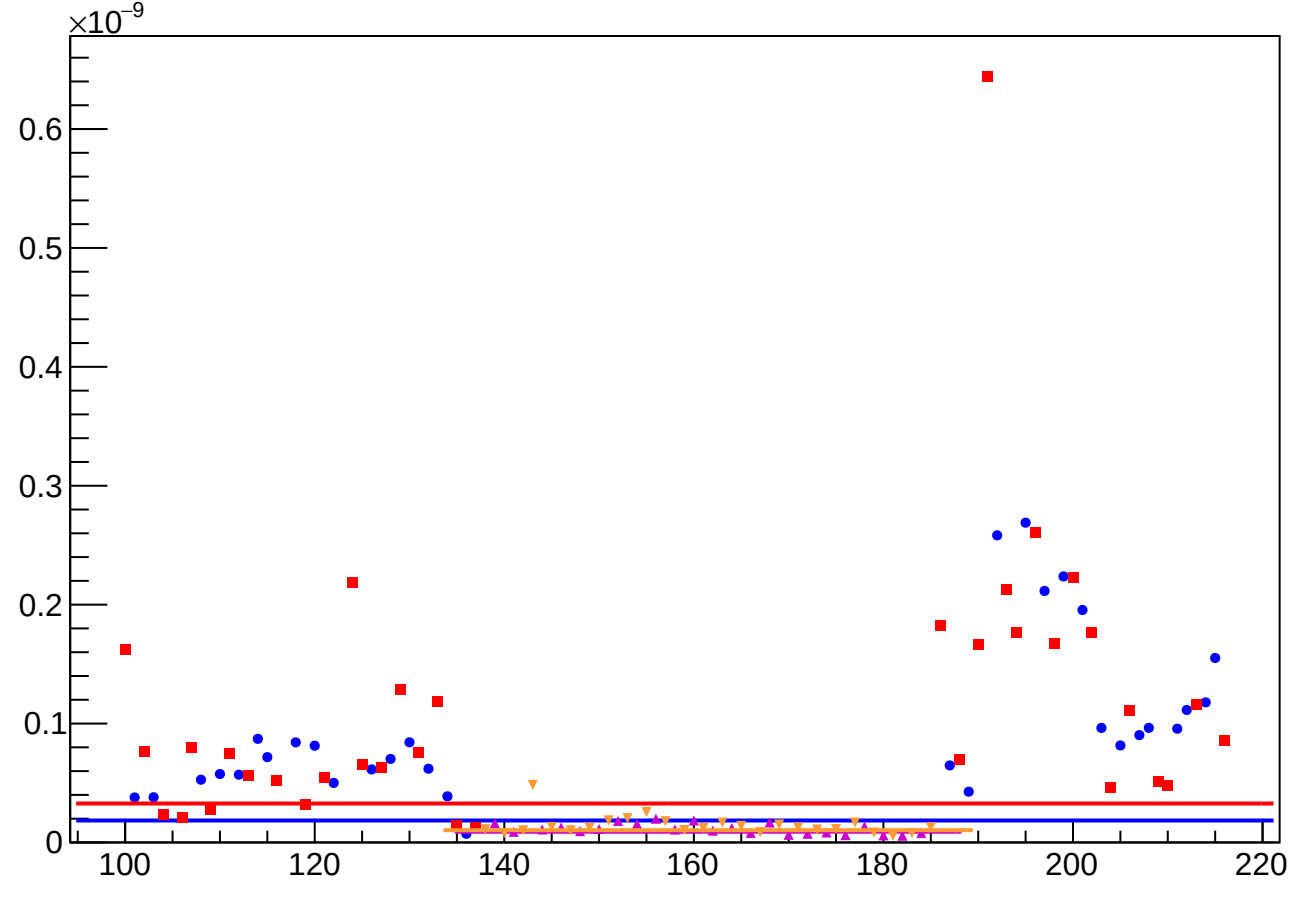
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 65.1/65

In: -0.000+/-0.000 χ^2/NDF:38.6/53

Out: -0.000+/-0.000 χ^2/NDF:61.0/59

All: -0.000+/-0.000 χ^2/NDF: 99.9/113



Right In: 0.000+/-0.000 χ^2/NDF: 15820560.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10739096.9/34

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

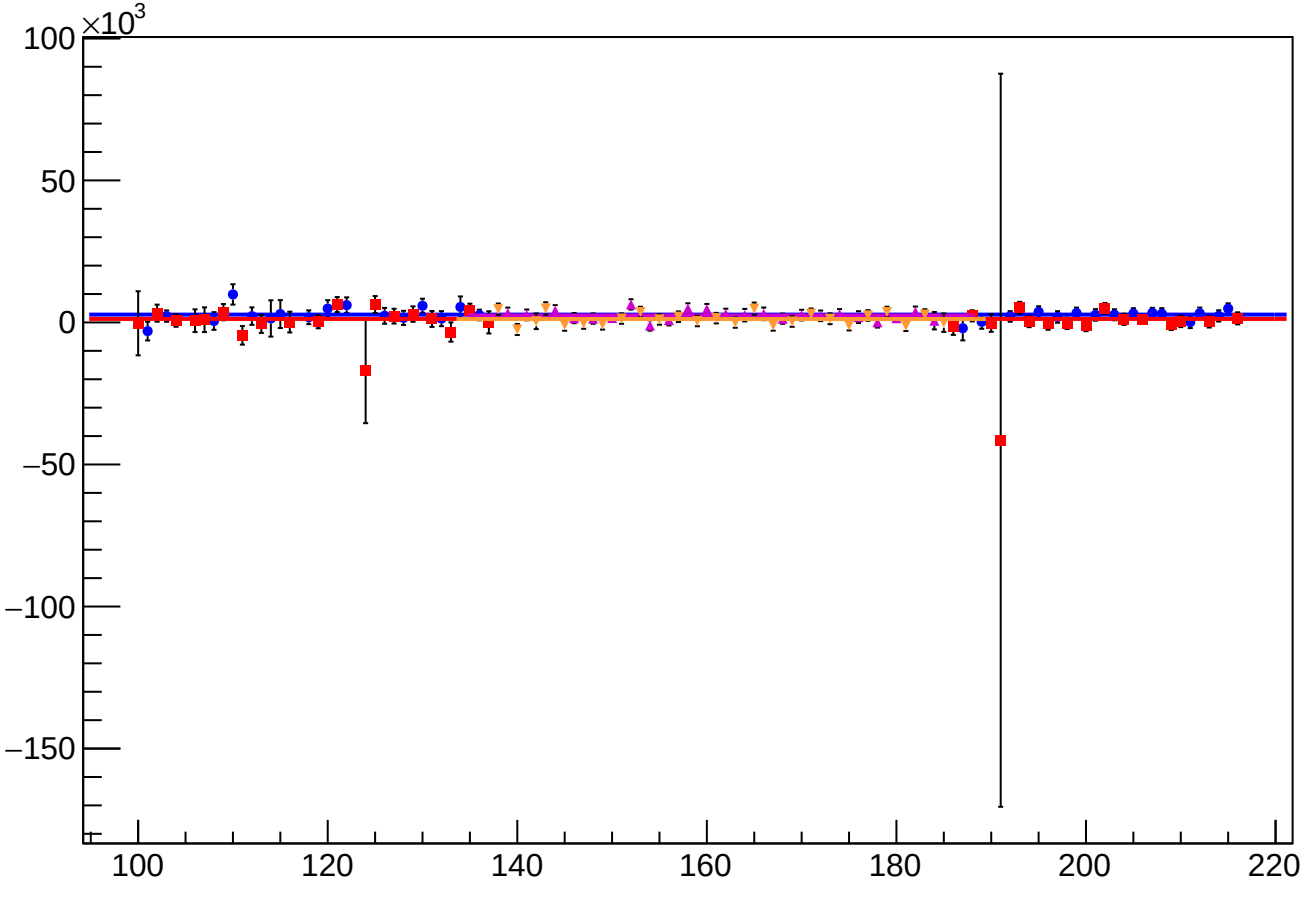
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 27940632.3/65

In: 0.000+/-0.000 χ^2/NDF:20523850.8/53

Out: 0.000+/-0.000 χ^2/NDF:19301844.6/59

All: 0.000+/-0.000 χ^2/NDF: 40132999.2/113



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: 1234.352+/-423.526 χ^2/NDF: 29.2/34

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

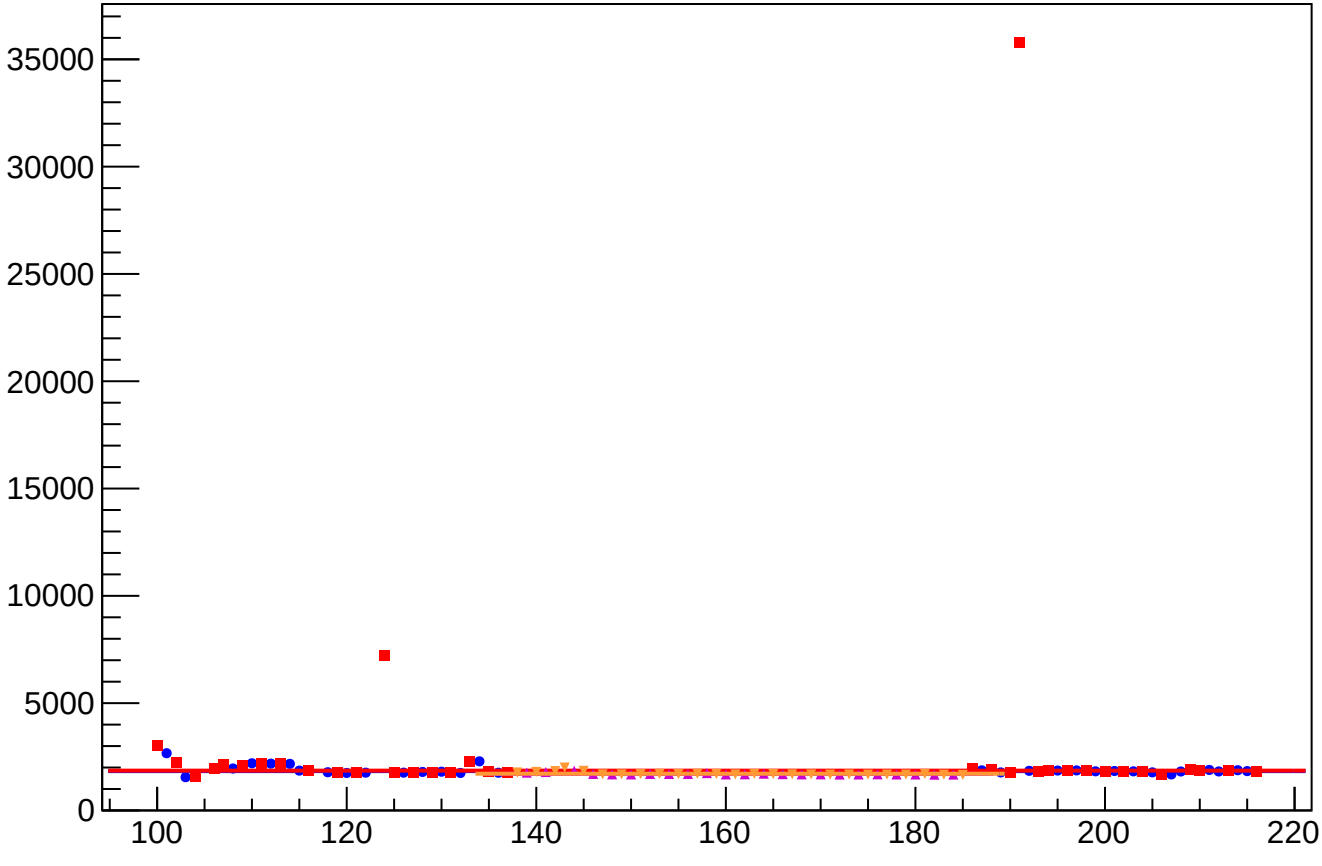
Right: 2002.506+/-297.786 χ^2/NDF: 54.2/65

In: 2588.264+/-288.483 χ^2/NDF:36.3/53

Out: 1217.027+/-286.549 χ^2/NDF:55.5/59

All: 1898.033+/-203.301 χ^2/NDF: 103.2/113

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: 1855.069+/-0.299 χ^2/NDF: 543755.9/34

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

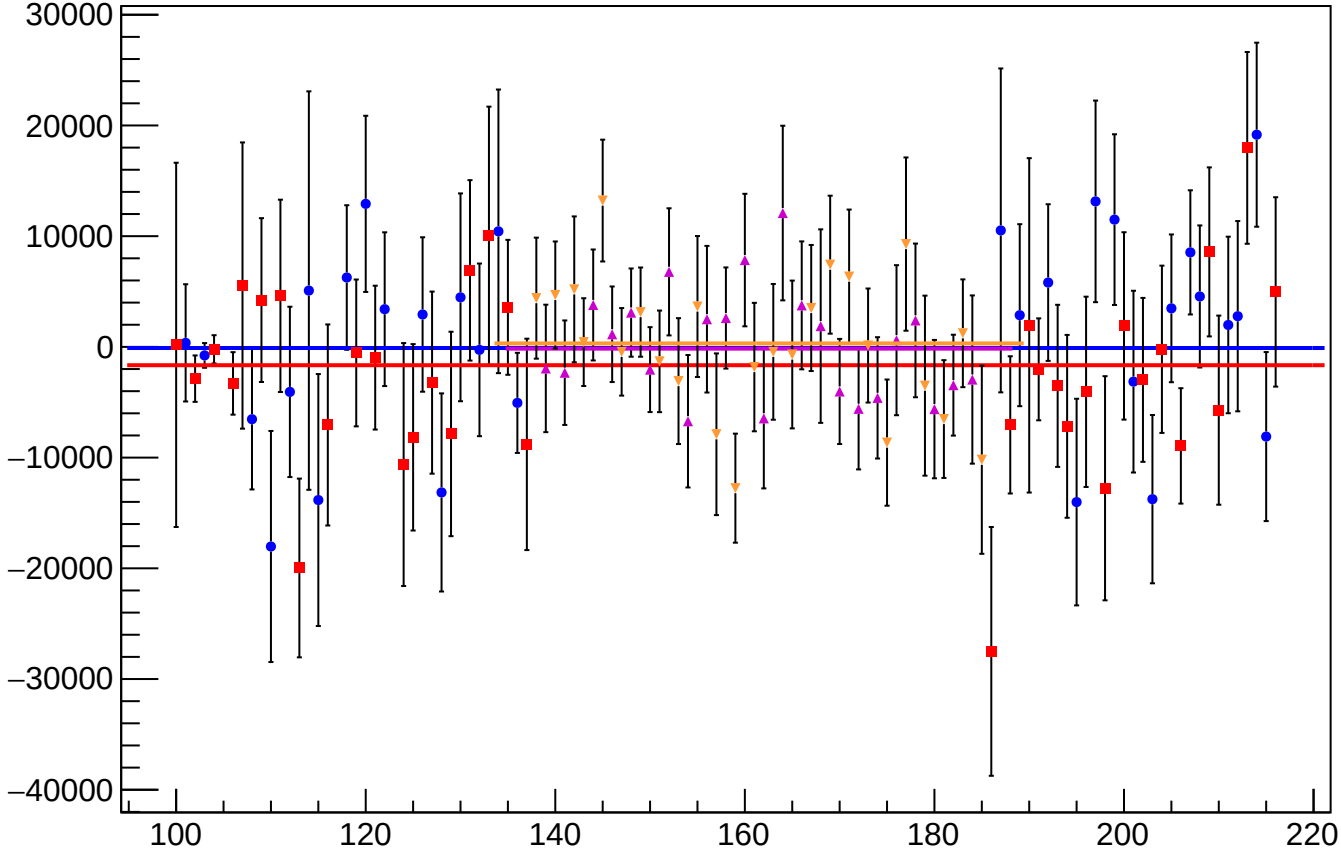
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.025+/-0.210 χ^2/NDF: 833367.1/65

In: 1765.298+/-0.204 χ^2/NDF:409574.6/53

Out: 1777.429+/-0.203 χ^2/NDF:728076.3/59

All: 1771.407+/-0.144 χ^2/NDF: 1139431.9/11



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: -1654.561+/-822.386 χ^2/NDF: 32.0/34

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

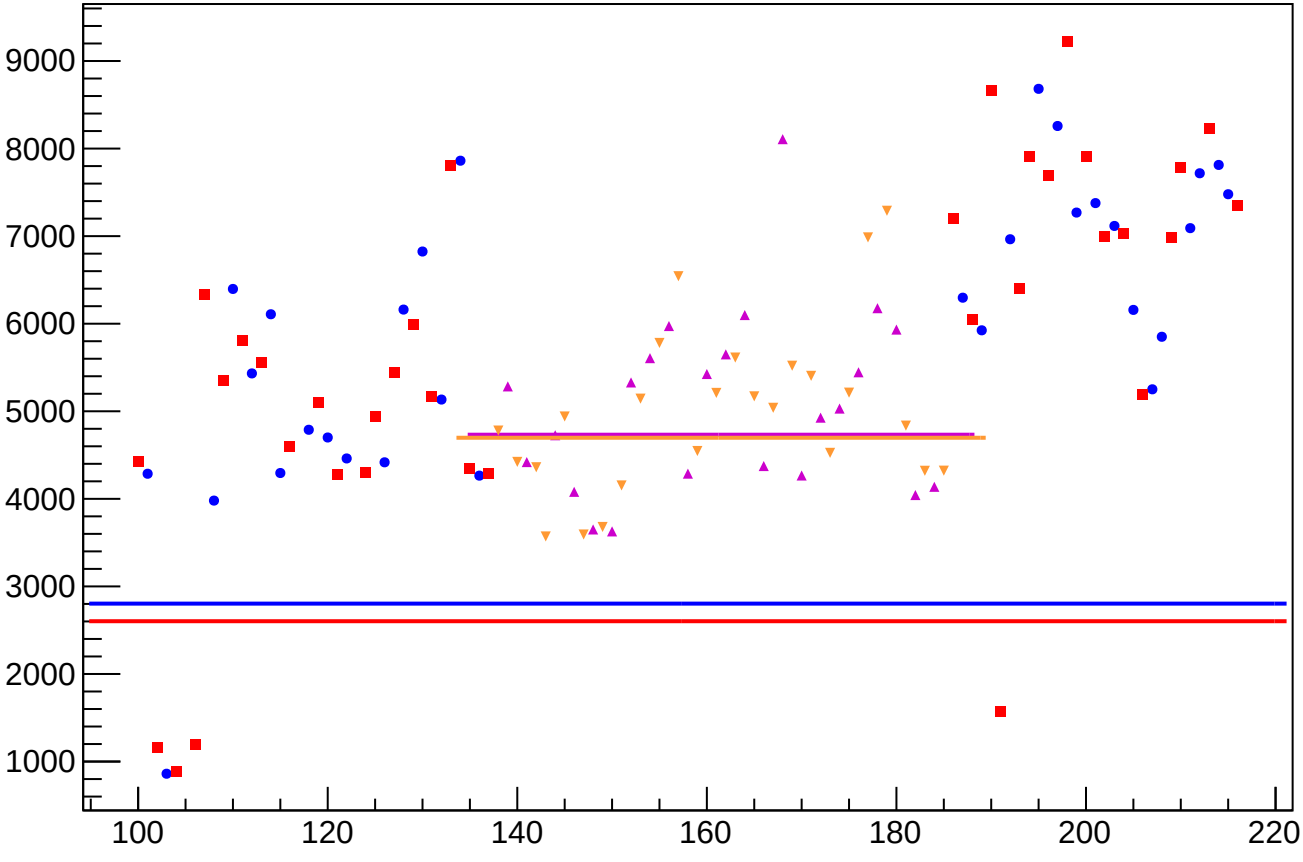
Right: -918.461+/-596.705 χ^2/NDF: 69.3/65

In: -121.577+/-687.572 χ^2/NDF:50.3/53

Out: -942.094+/-656.925 χ^2/NDF:61.1/59

All: -550.529+/-474.981 χ^2/NDF: 112.2/113

asym_atl1r2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2803.471+/-0.613 χ^2/NDF: 17332738.5/30

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2602.527+/-0.582 χ^2/NDF: 17930824.7/34

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

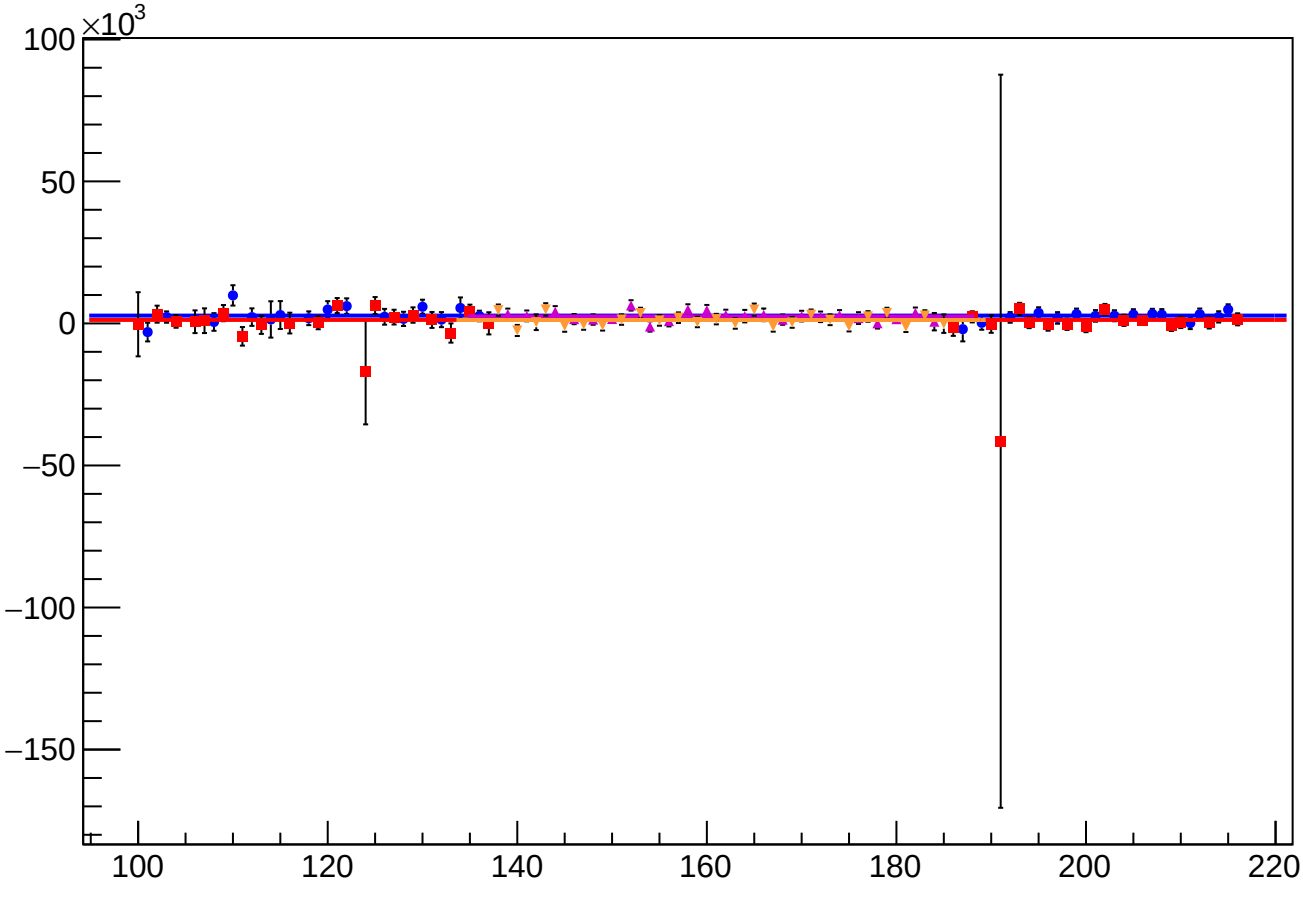
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2697.681+/-0.422 χ^2/NDF: 35320106.9/65

In: 3519.613+/-0.486 χ^2/NDF:22249922.2/53

Out: 3360.770+/-0.465 χ^2/NDF:23867958.3/59

All: 3436.573+/-0.336 χ^2/NDF: 46173682.5/1



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: 1233.911+/-423.527 χ^2/NDF: 29.2/34

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

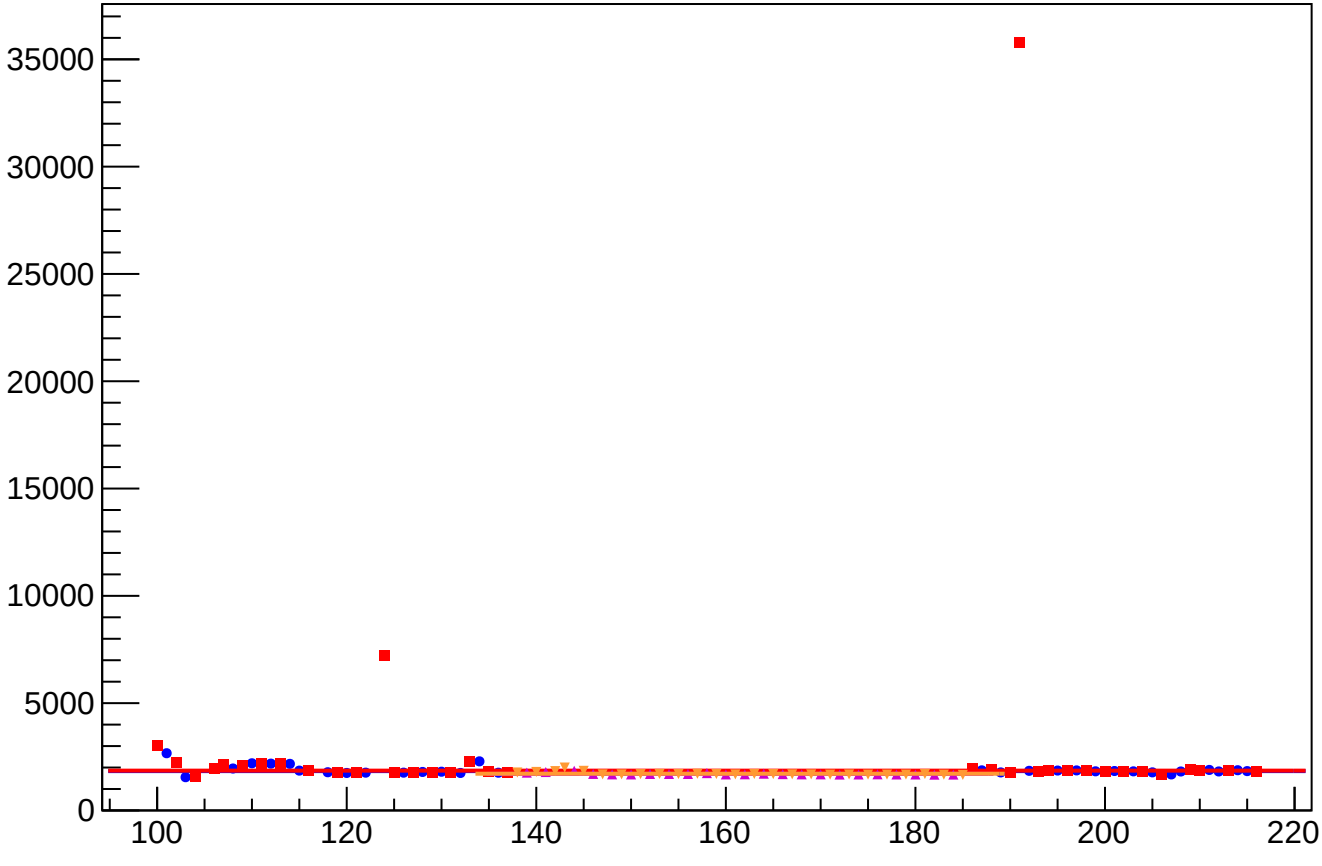
Right: 2002.346+/-297.786 χ^2/NDF: 54.2/65

In: 2588.283+/-288.483 χ^2/NDF:36.3/53

Out: 1216.772+/-286.549 χ^2/NDF:55.5/59

All: 1897.914+/-203.301 χ^2/NDF: 103.2/113

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: 1855.228+/-0.299 χ^2/NDF: 544129.7/34

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

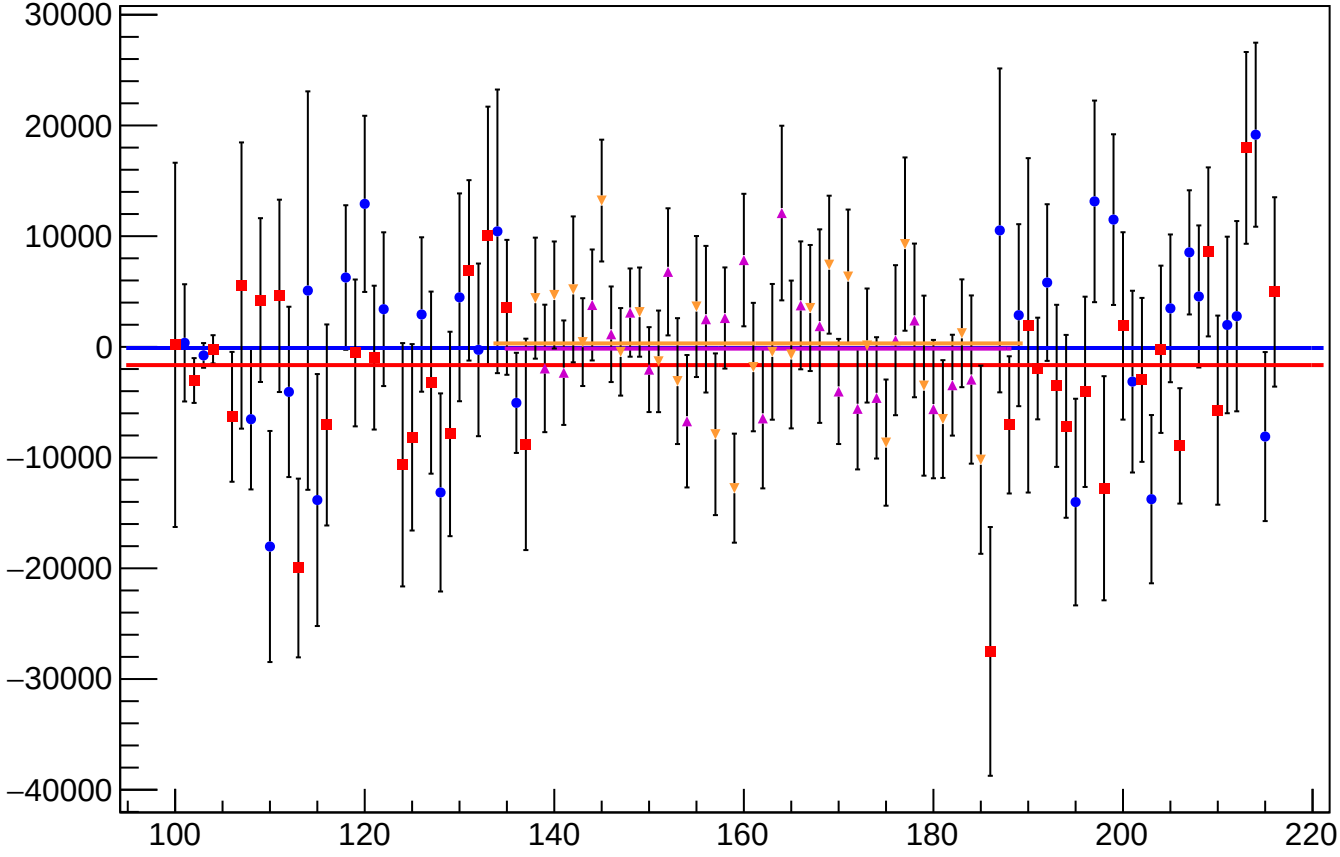
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.103+/-0.210 χ^2/NDF: 833779.9/65

In: 1765.298+/-0.204 χ^2/NDF:409574.5/53

Out: 1777.497+/-0.203 χ^2/NDF:728715.1/59

All: 1771.440+/-0.144 χ^2/NDF: 1140090.2/11



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: -1644.785+/-845.409 χ^2/NDF: 32.4/34

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

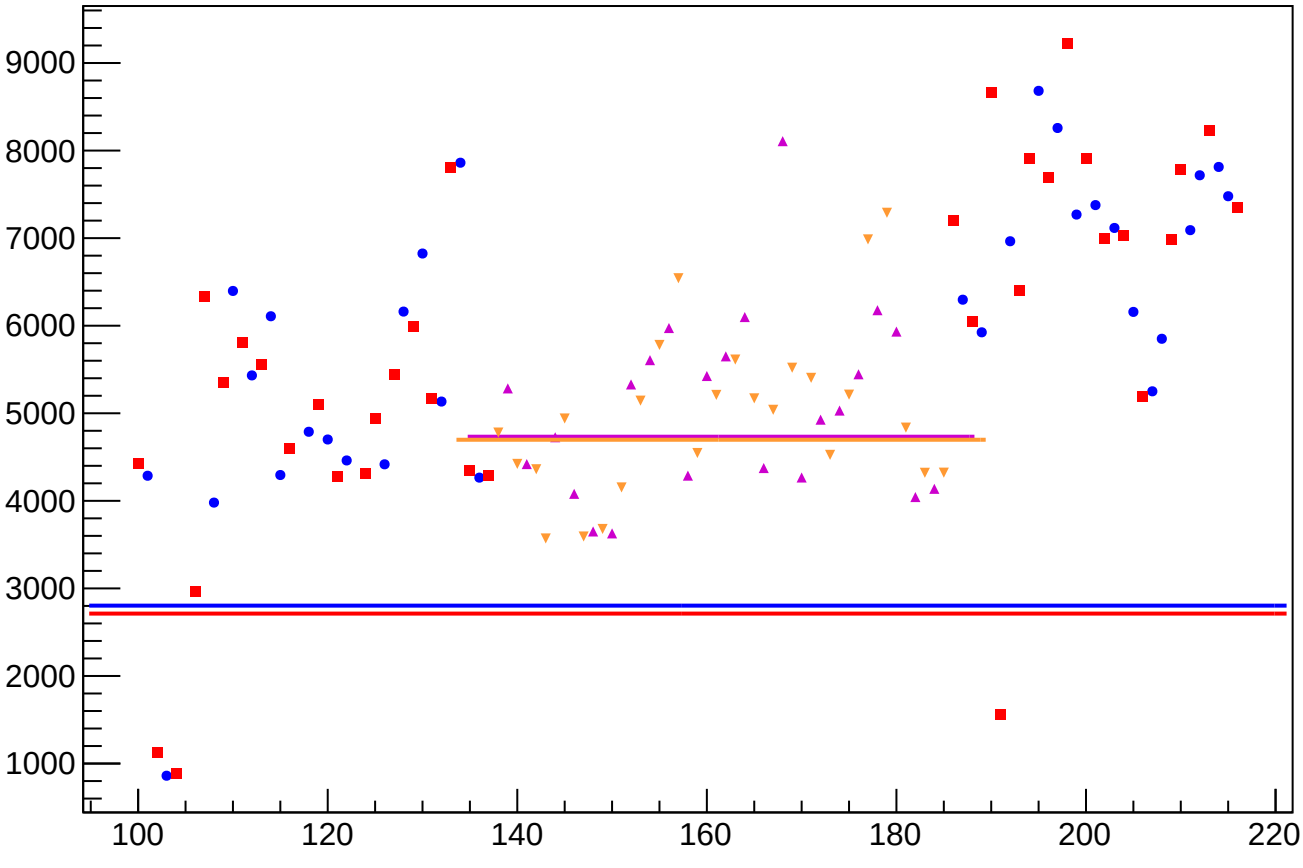
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -891.822+/-605.314 χ^2/NDF: 69.7/65

In: -121.365+/-687.553 χ^2/NDF:50.3/53

Out: -910.677+/-668.482 χ^2/NDF:61.5/59

All: -527.119+/-479.289 χ^2/NDF: 112.5/113



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: 2712.392+/-0.598 χ^2/NDF: 17530888.8/34

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

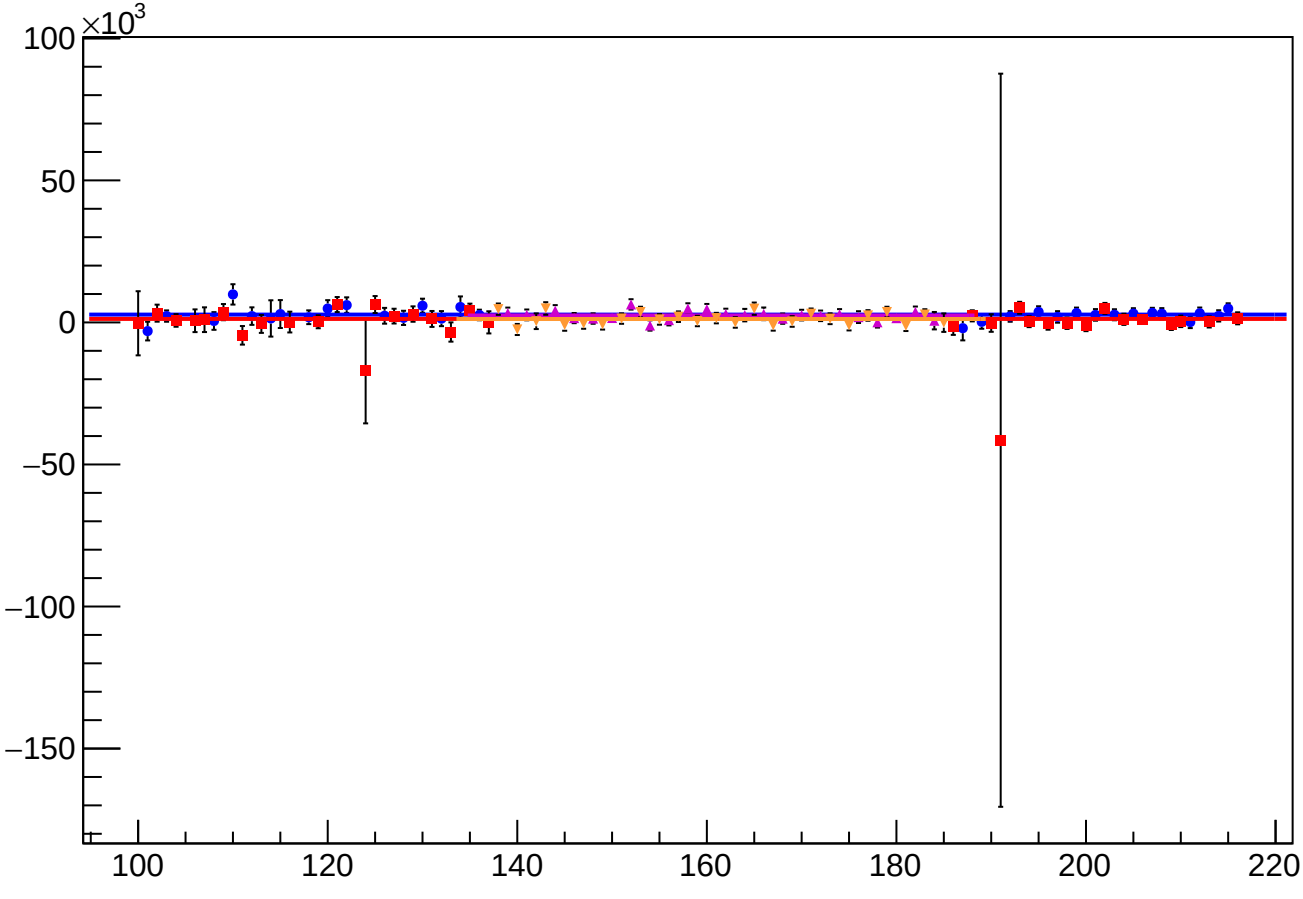
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2756.677+/-0.428 χ^2/NDF: 34876131.7/65

In: 3519.440+/-0.486 χ^2/NDF:22252088.2/53

Out: 3456.377+/-0.473 χ^2/NDF:22903326.1/59

All: 3487.022+/-0.339 χ^2/NDF: 45164063.8/1



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: 1233.911+/-423.527 χ^2/NDF: 29.2/34

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

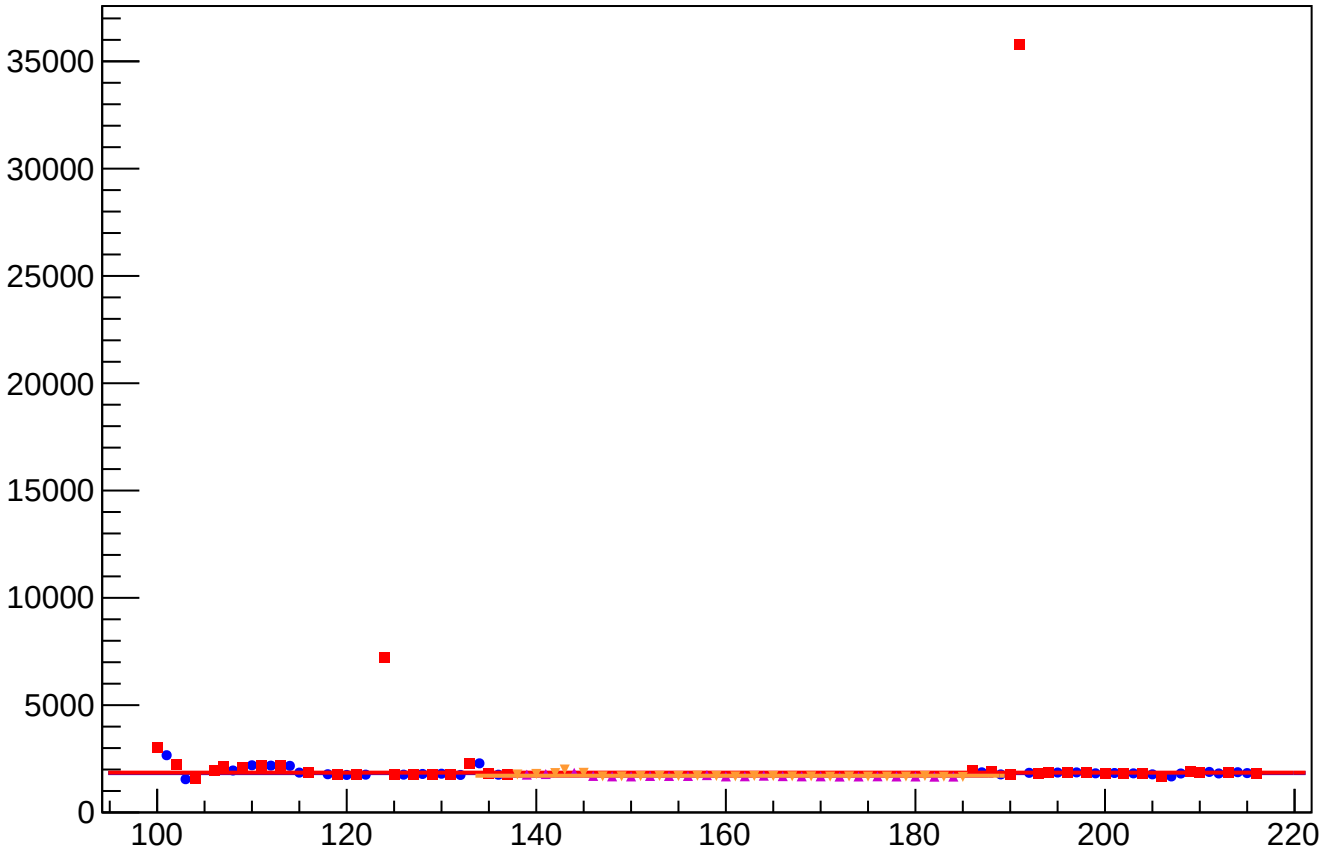
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2002.346+/-297.786 χ^2/NDF: 54.2/65

In: 2588.283+/-288.483 χ^2/NDF:36.3/53

Out: 1216.772+/-286.549 χ^2/NDF:55.5/59

All: 1897.914+/-203.301 χ^2/NDF: 103.2/113



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: 1855.228+/-0.299 χ^2/NDF: 544129.7/34

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

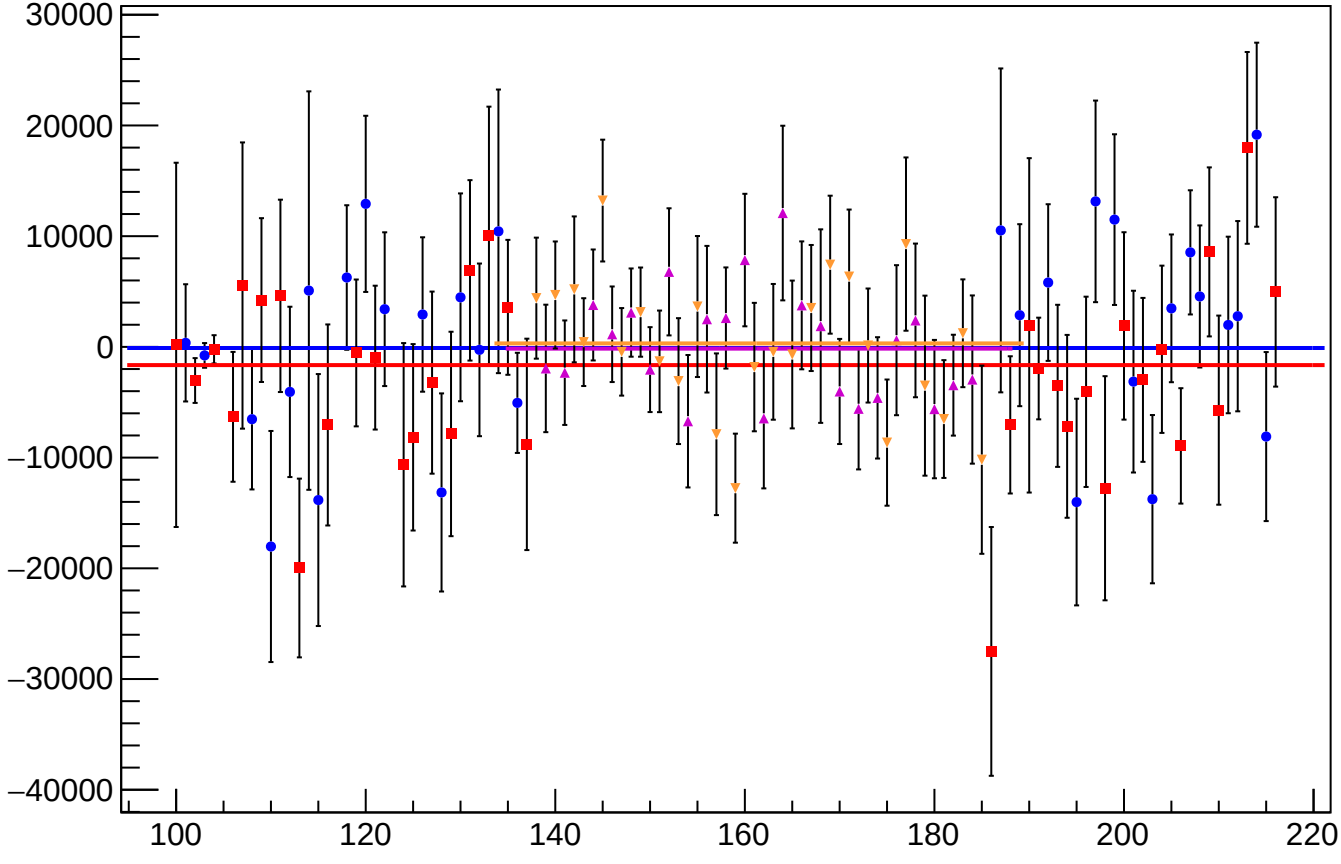
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1844.103+/-0.210 χ^2/NDF: 833779.9/65

In: 1765.298+/-0.204 χ^2/NDF:409574.5/53

Out: 1777.497+/-0.203 χ^2/NDF:728715.1/59

All: 1771.440+/-0.144 χ^2/NDF: 1140090.2/11



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: -1644.785+/-845.409 χ^2/NDF: 32.4/34

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

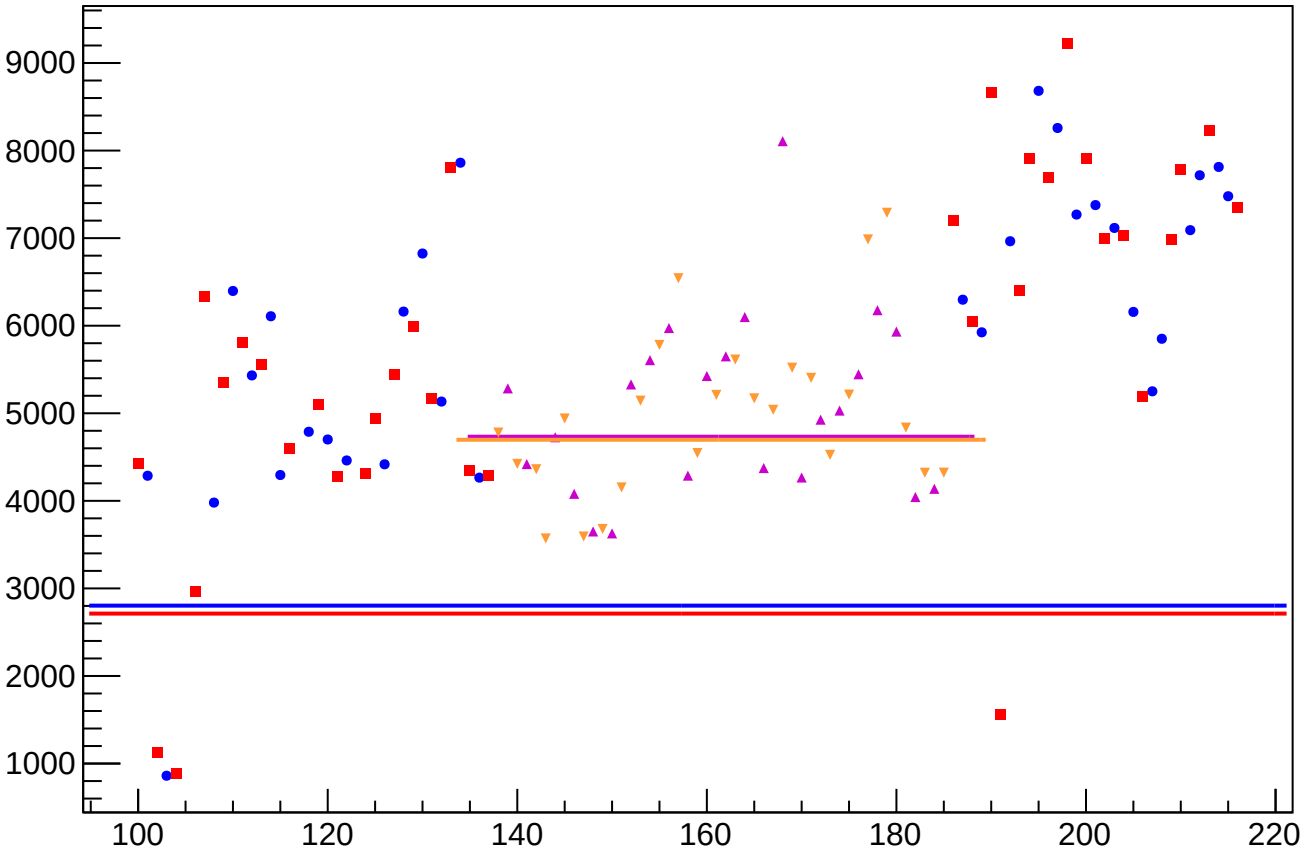
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -891.822+/-605.314 χ^2/NDF: 69.7/65

In: -121.365+/-687.553 χ^2/NDF:50.3/53

Out: -910.677+/-668.482 χ^2/NDF:61.5/59

All: -527.119+/-479.289 χ^2/NDF: 112.5/113



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: 2712.392+/-0.598 χ^2/NDF: 17530888.8/34

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

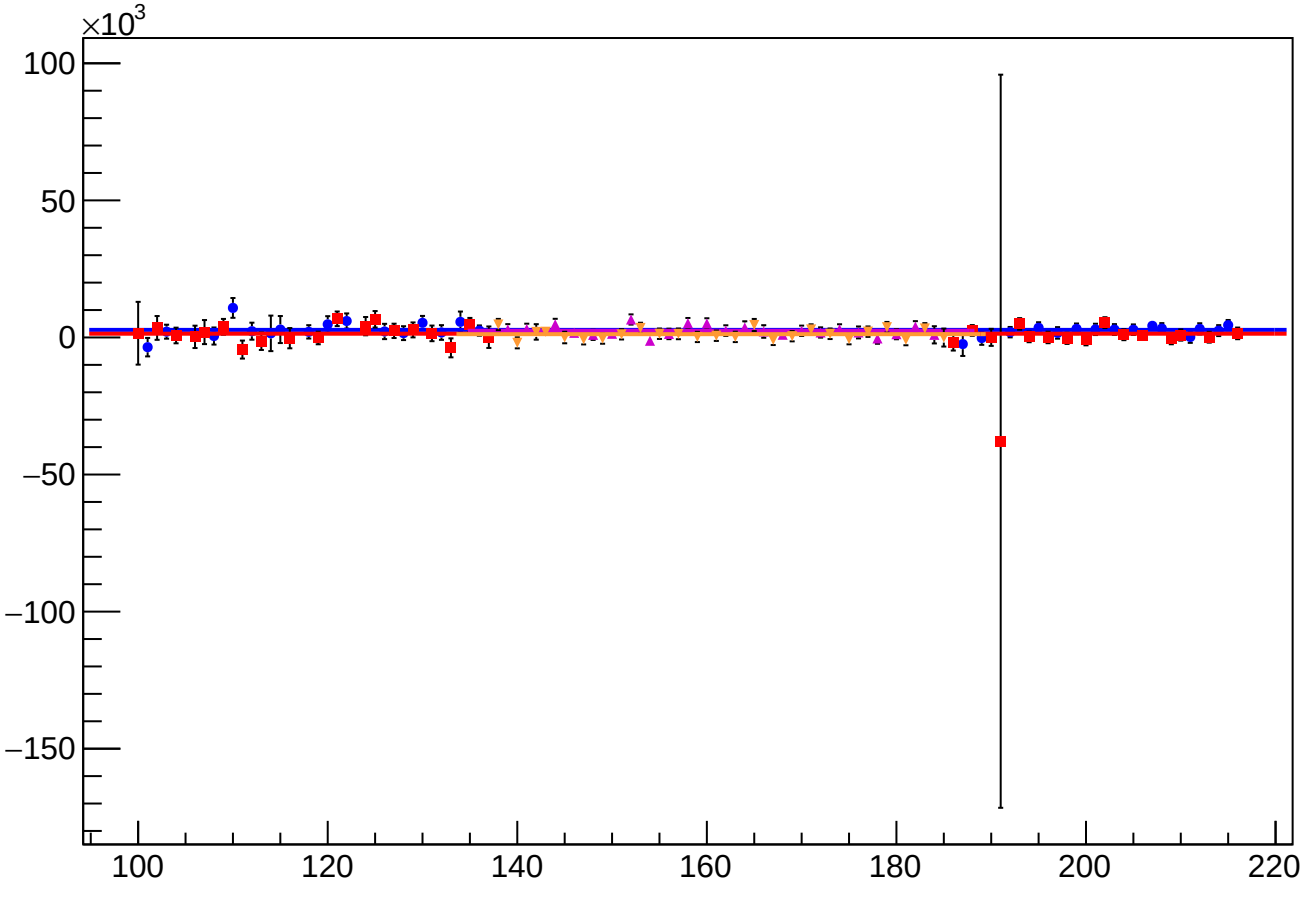
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2756.677+/-0.428 χ^2/NDF: 34876131.7/65

In: 3519.440+/-0.486 χ^2/NDF:22252088.2/53

Out: 3456.377+/-0.473 χ^2/NDF:22903326.1/59

All: 3487.022+/-0.339 χ^2/NDF: 45164063.8/1



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: 1364.260+/-430.336 χ^2/NDF: 30.8/34

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

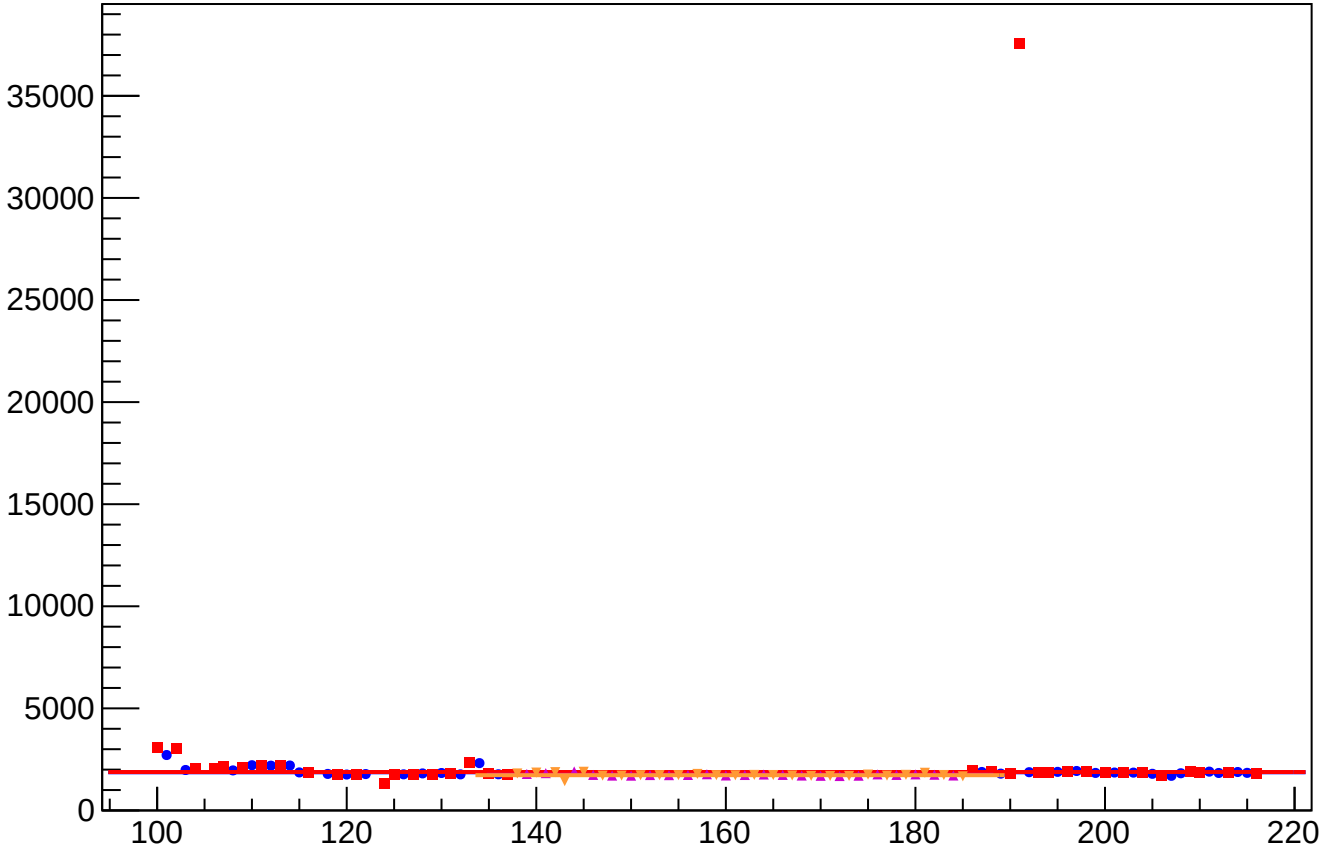
Right: 2069.083+/-303.097 χ^2/NDF: 55.8/65

In: 2592.938+/-294.809 χ^2/NDF:40.6/53

Out: 1273.254+/-290.189 χ^2/NDF:50.4/59

All: 1922.676+/-206.808 χ^2/NDF: 101.1/113

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: 1882.049+/-0.304 χ^2/NDF: 522315.8/34

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

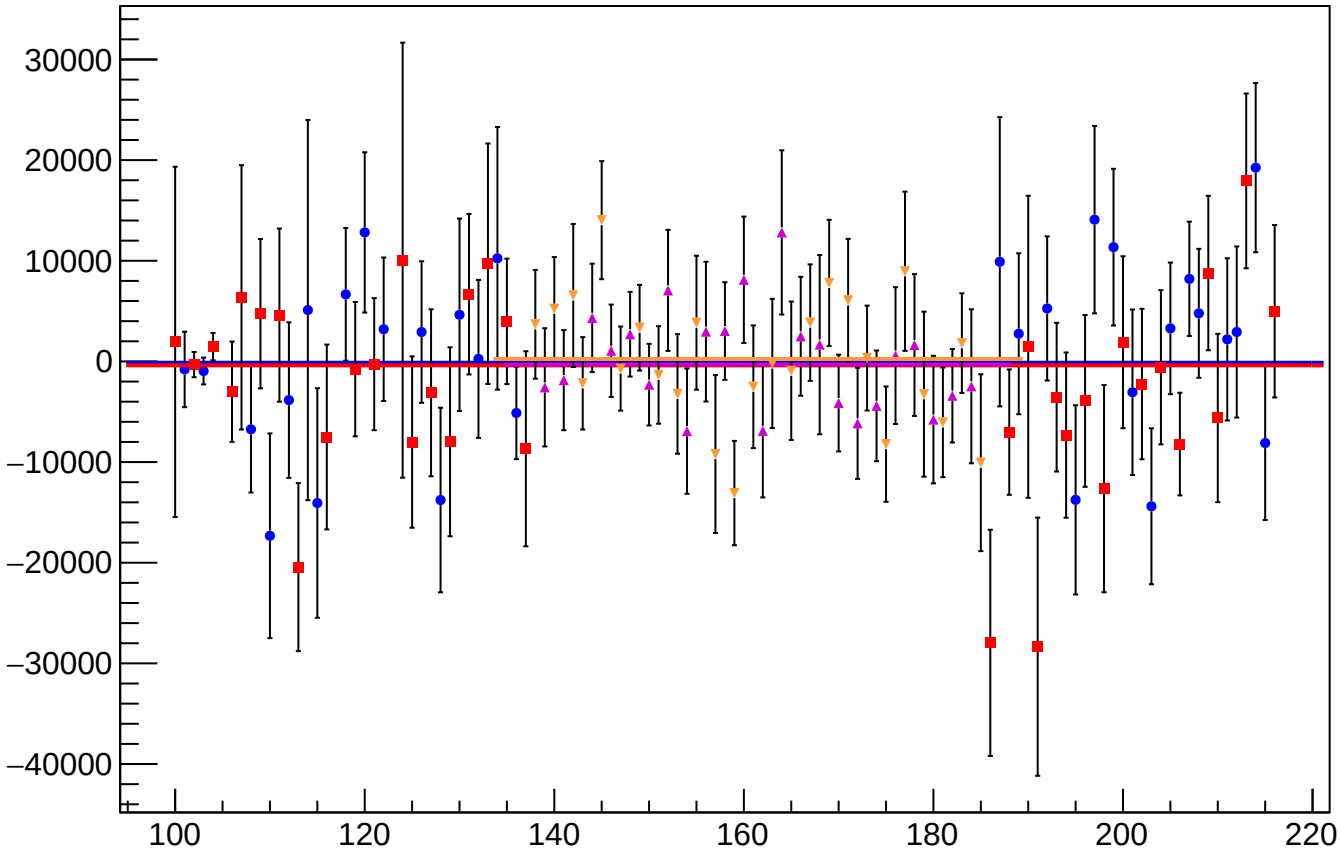
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1875.653+/-0.214 χ^2/NDF: 776342.6/65

In: 1804.092+/-0.208 χ^2/NDF:369240.1/53

Out: 1797.655+/-0.205 χ^2/NDF:773772.7/59

All: 1800.822+/-0.146 χ^2/NDF: 1143497.2/11



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: -393.392+/-772.013 χ^2/NDF: 37.7/34

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

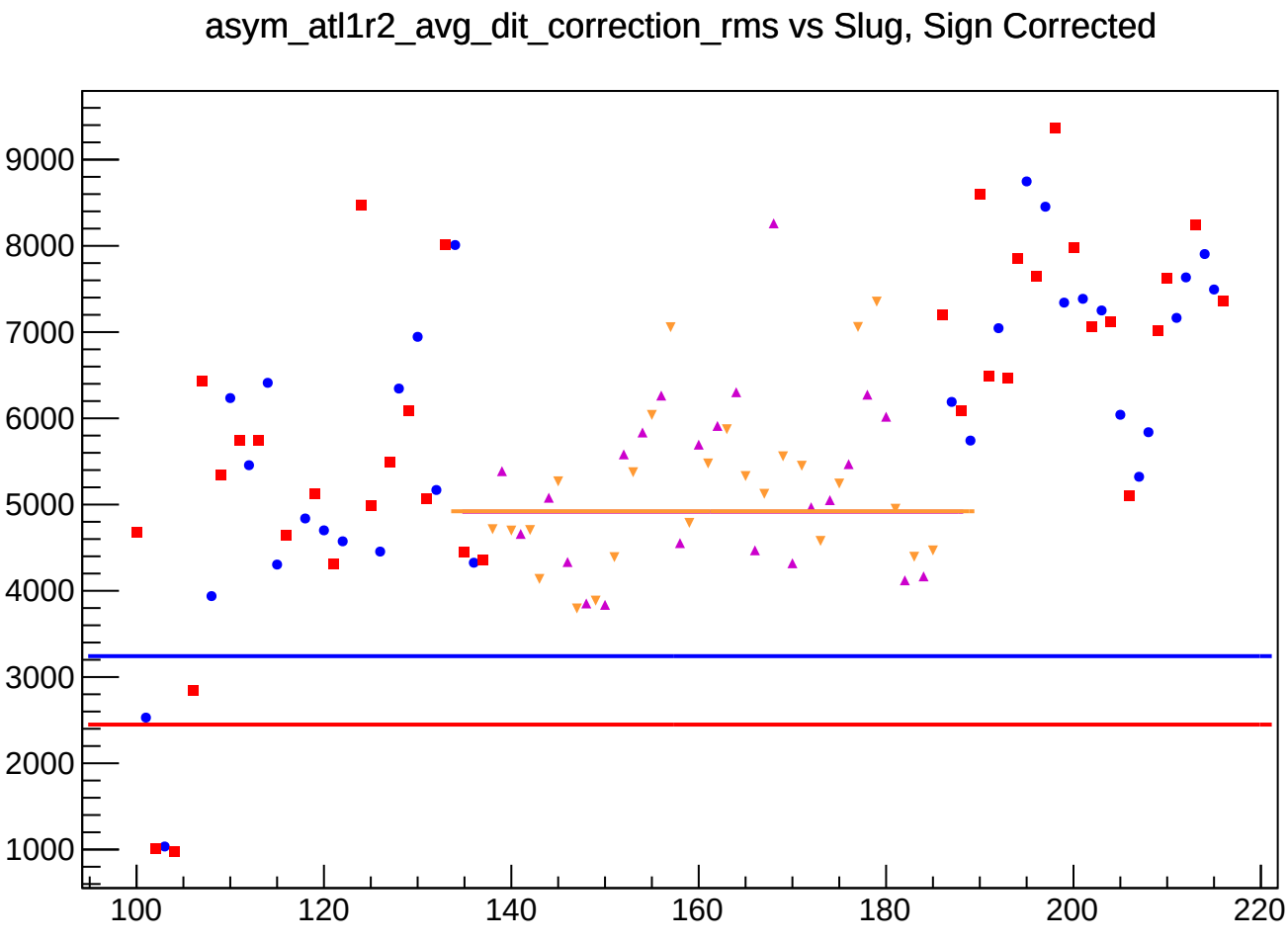
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -288.788+/-597.892 χ^2/NDF: 73.3/65

In: -200.688+/-735.453 χ^2/NDF:50.0/53

Out: -194.120+/-639.397 χ^2/NDF:64.6/59

All: -196.947+/-482.534 χ^2/NDF: 114.6/113



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: 2448.697+/-0.546 χ^2/NDF: 19158243.2/34

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

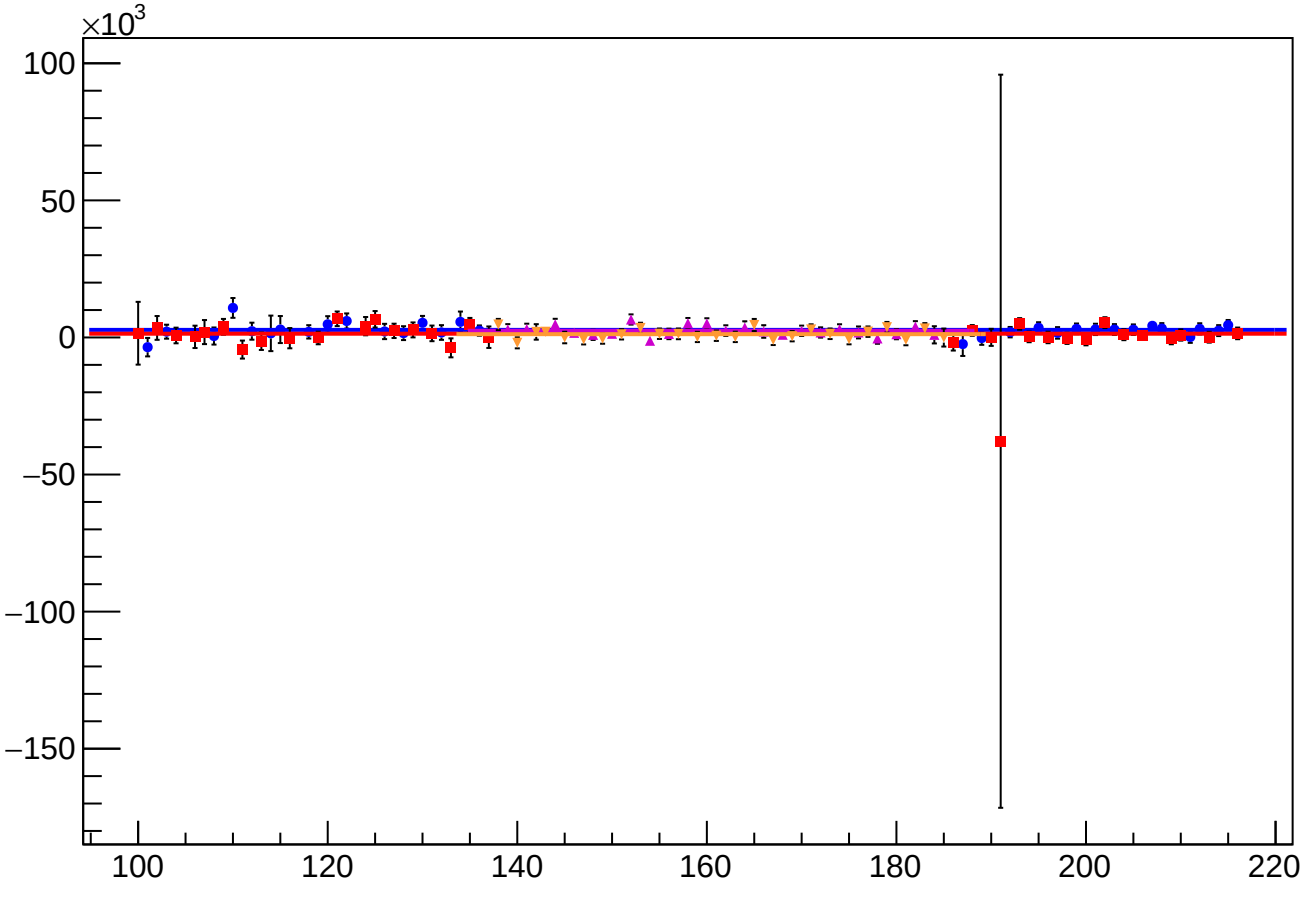
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2766.372+/-0.423 χ^2/NDF: 34318784.4/65

In: 3902.952+/-0.520 χ^2/NDF:17952487.4/53

Out: 3225.560+/-0.452 χ^2/NDF:26657296.5/59

All: 3517.159+/-0.341 χ^2/NDF: 45576089.7/1



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: 1364.262+/-430.336 χ^2/NDF: 30.8/34

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

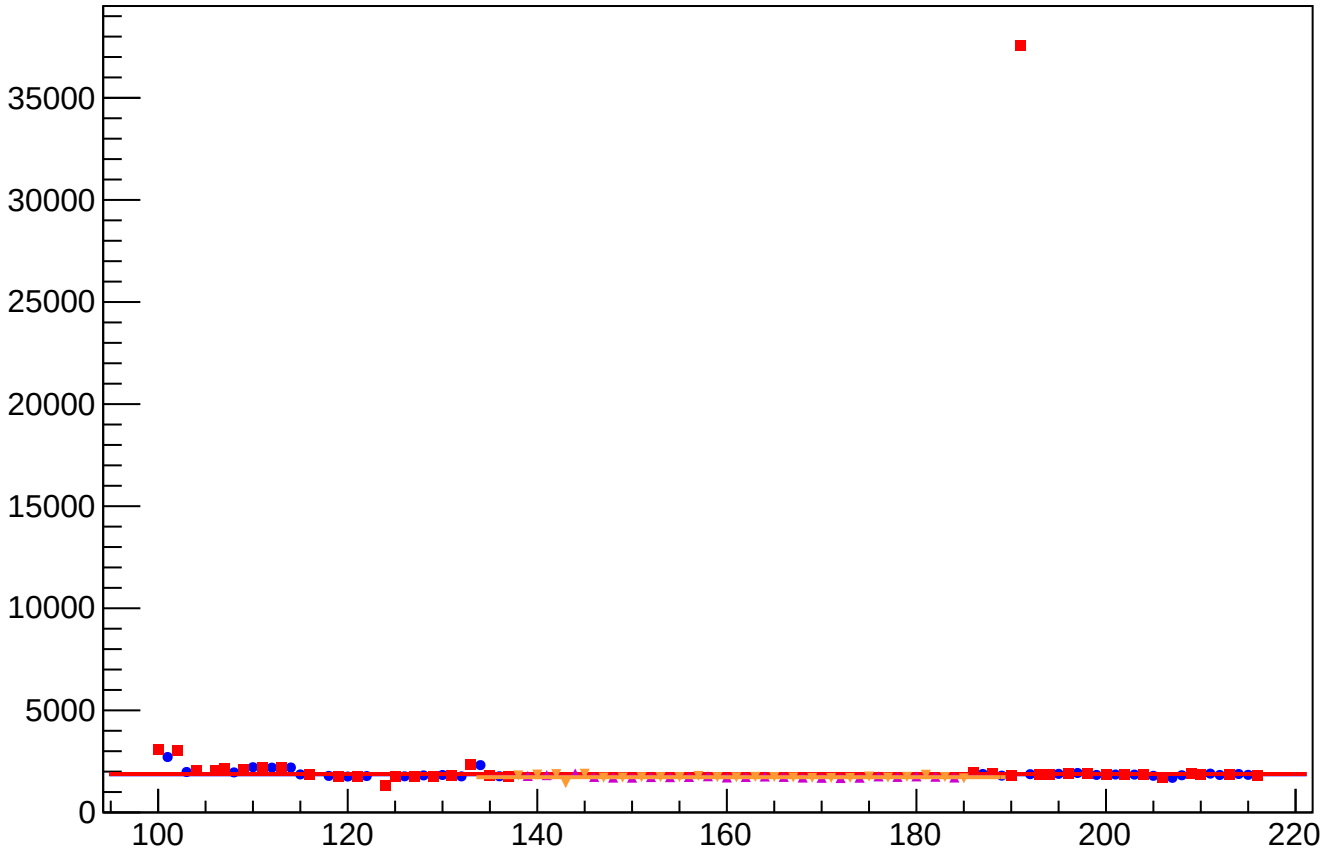
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2069.081+/-303.097 χ^2/NDF: 55.8/65

In: 2592.936+/-294.809 χ^2/NDF:40.6/53

Out: 1273.252+/-290.189 χ^2/NDF:50.4/59

All: 1922.673+/-206.809 χ^2/NDF: 101.1/113



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: 1882.049+/-0.304 χ^2/NDF: 522314.7/34

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

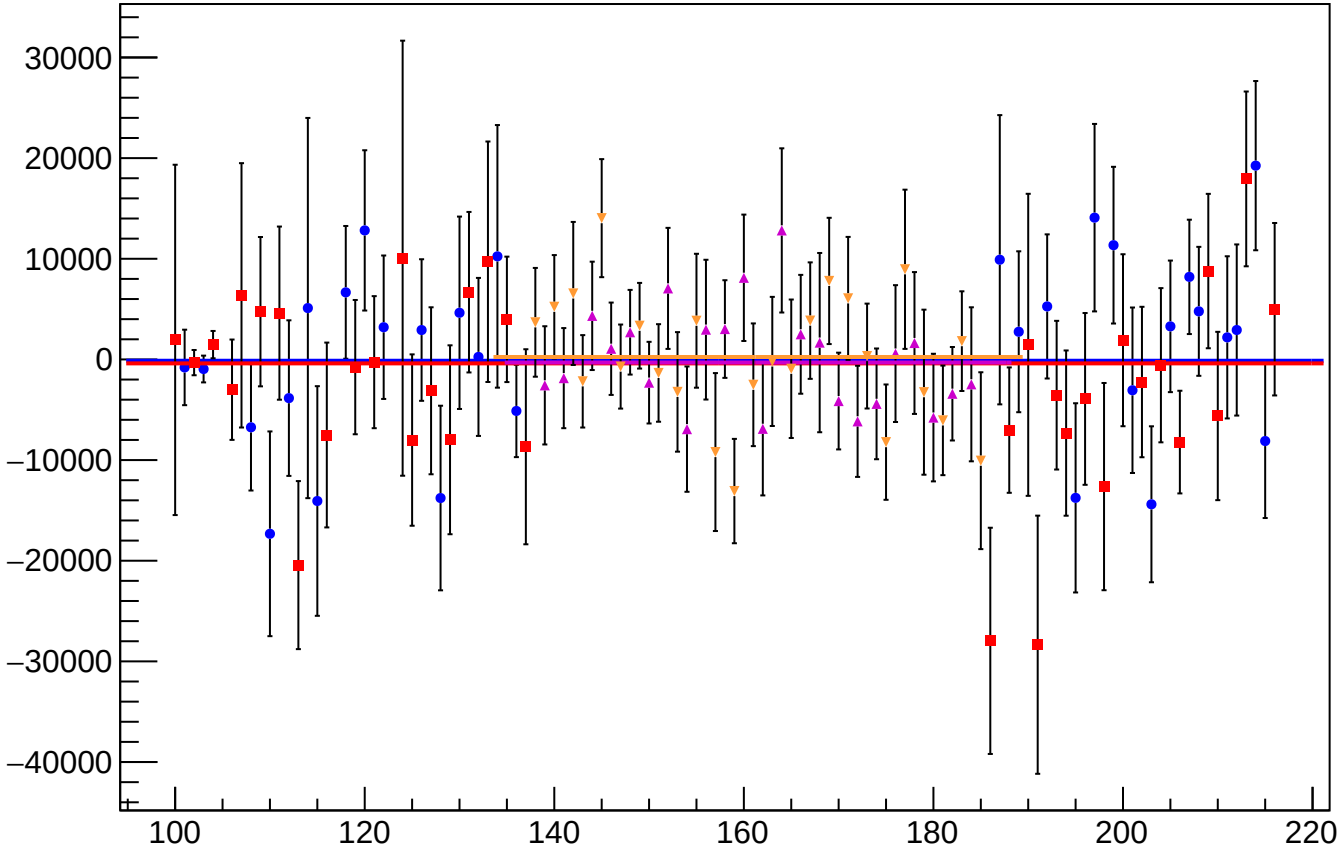
Right: 1875.652+/-0.214 χ^2/NDF: 776341.4/65

In: 1804.092+/-0.208 χ^2/NDF:369238.6/53

Out: 1797.655+/-0.205 χ^2/NDF:773768.7/59

All: 1800.822+/-0.146 χ^2/NDF: 1143491.6/11

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -393.396+/-772.013 χ^2/NDF: 37.7/34

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

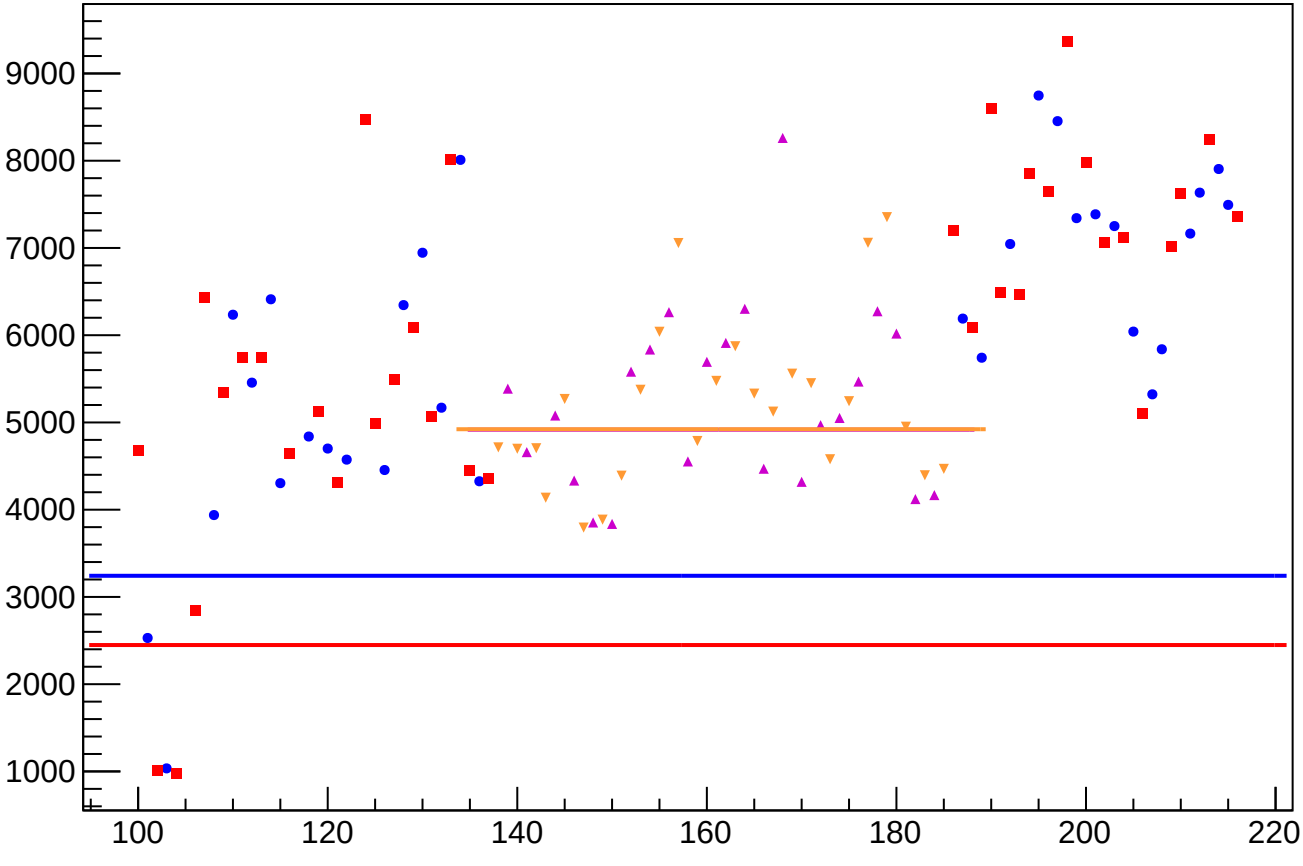
Right: -288.791+/-597.892 χ^2/NDF: 73.3/65

In: -200.690+/-735.453 χ^2/NDF:50.0/53

Out: -194.123+/-639.397 χ^2/NDF:64.6/59

All: -196.950+/-482.534 χ^2/NDF: 114.6/113

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 2448.696+/-0.546 χ^2/NDF: 19158249.5/34

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

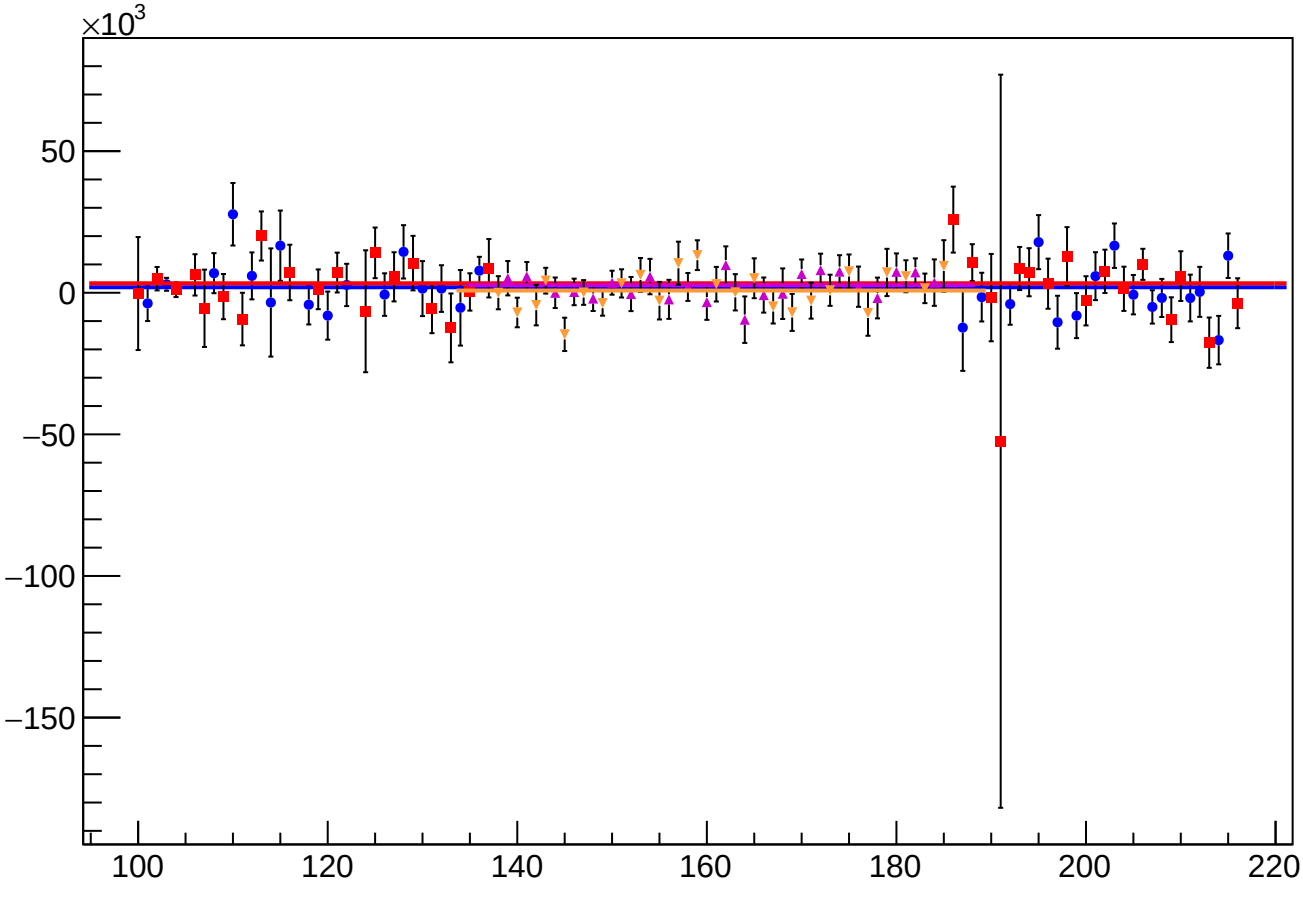
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2766.370+/-0.423 χ^2/NDF: 34318802.5/65

In: 3902.952+/-0.520 χ^2/NDF:17952527.8/53

Out: 3225.559+/-0.452 χ^2/NDF:26657340.7/59

All: 3517.159+/-0.341 χ^2/NDF: 45576176.0/1



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: 3350.359+/-1251.948 χ^2/NDF: 31.6/34

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

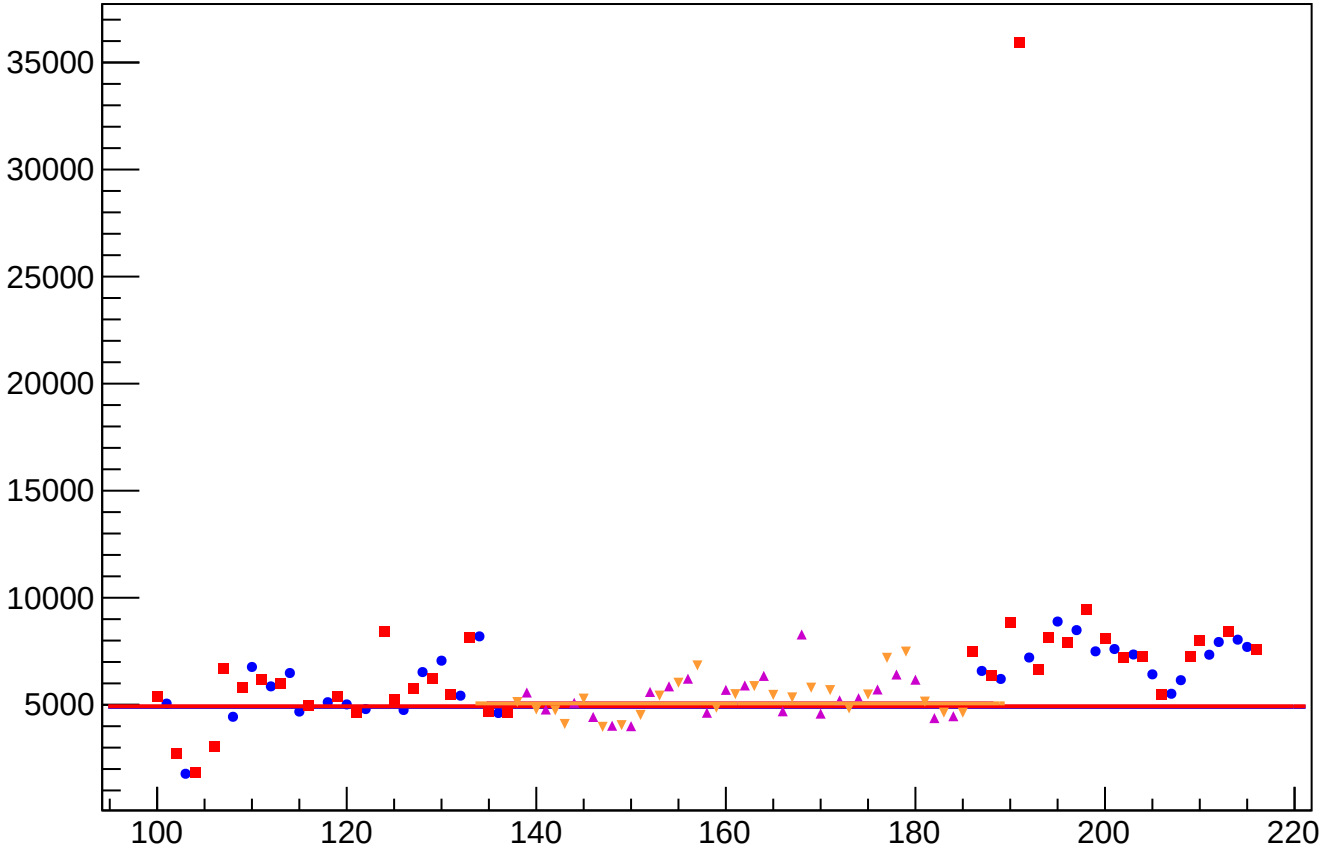
Right: 2634.372+/-879.103 χ^2/NDF: 67.1/65

In: 2330.688+/-862.845 χ^2/NDF:47.0/53

Out: 1984.700+/-855.584 χ^2/NDF:61.4/59

All: 2156.232+/-607.540 χ^2/NDF: 108.4/113

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: 4930.553+/-0.879 χ^2/NDF: 6947815.9/34

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

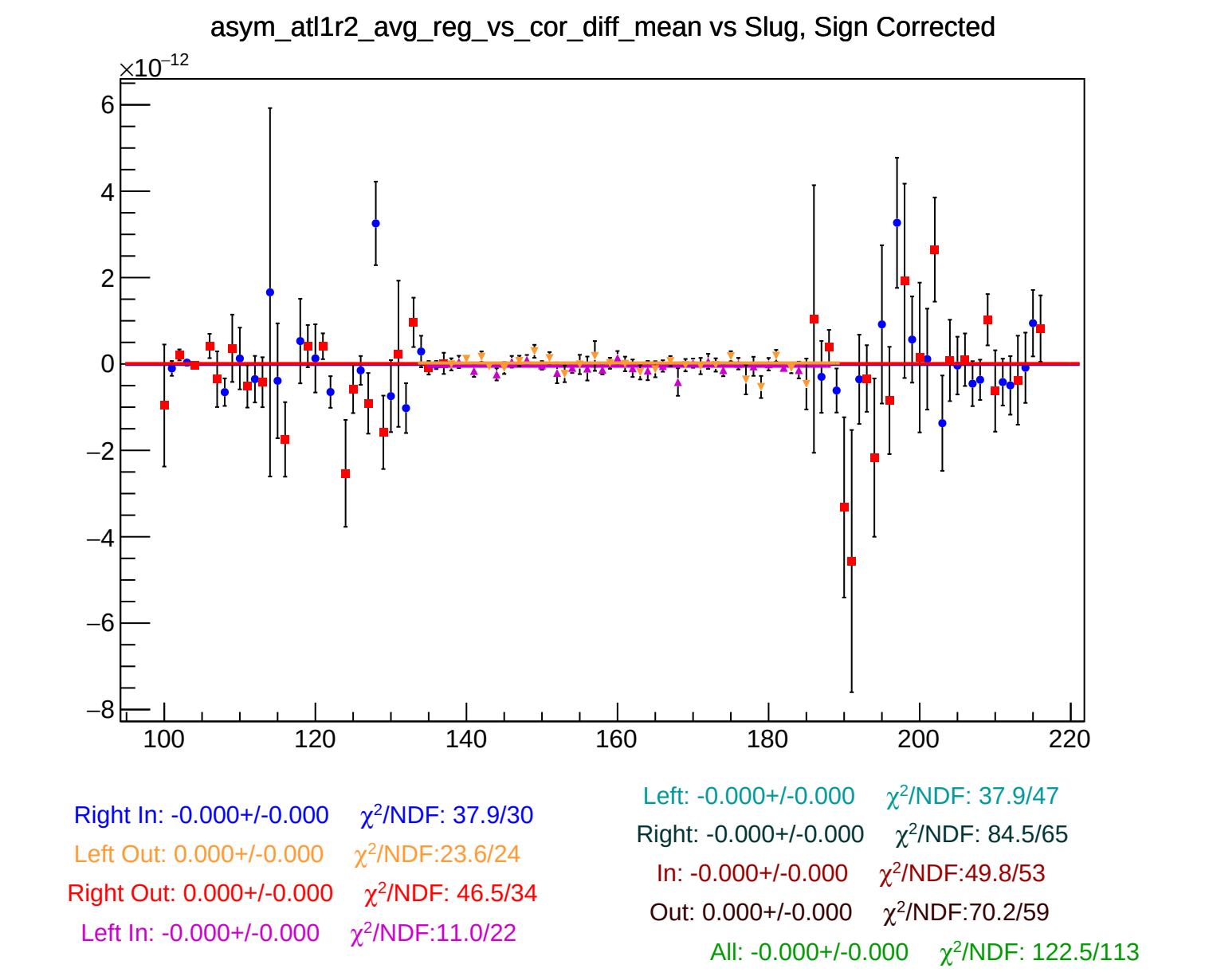
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

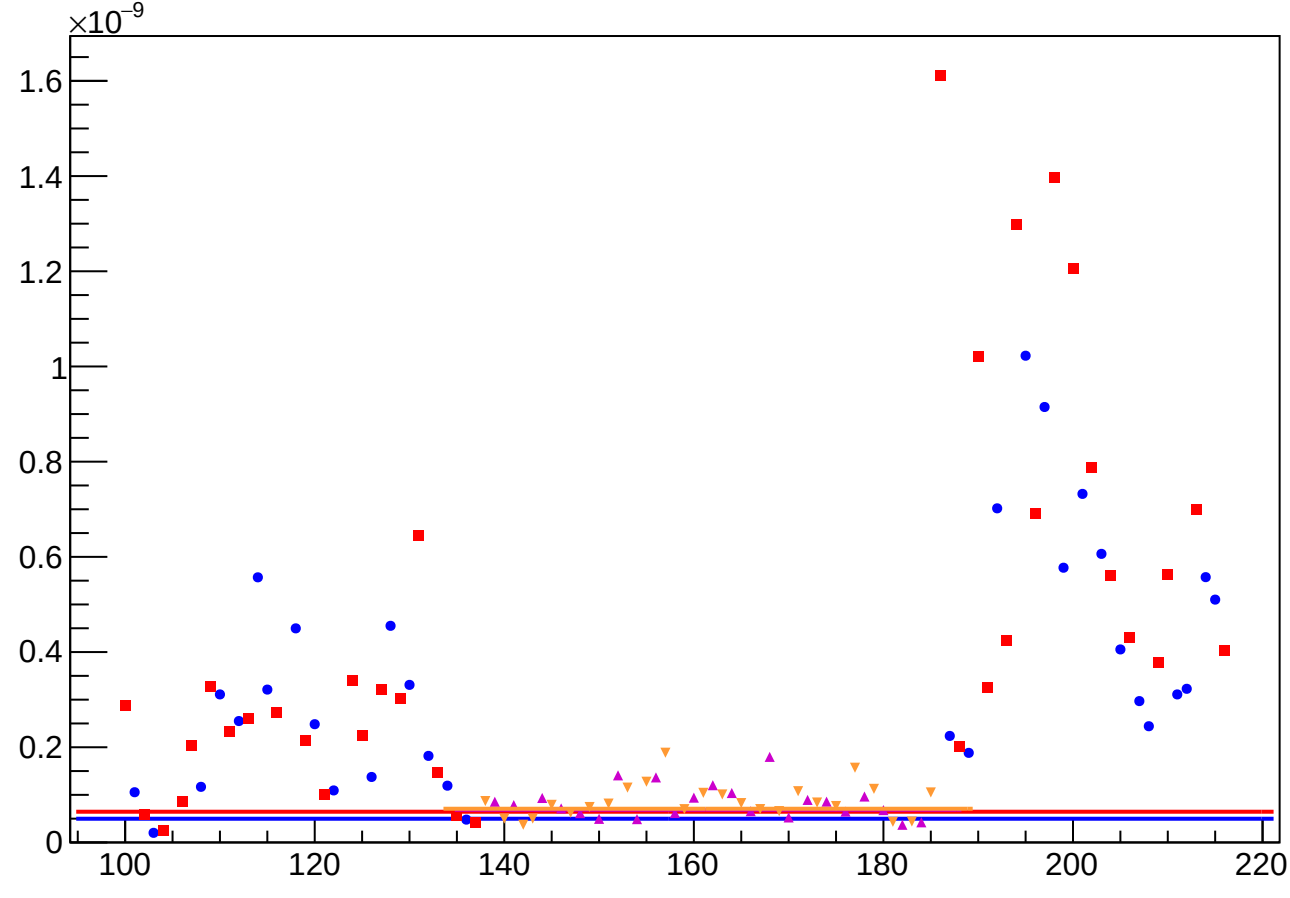
Right: 4916.561+/-0.620 χ^2/NDF: 13711547.1/65

In: 4993.304+/-0.610 χ^2/NDF:7785485.1/53

Out: 5003.304+/-0.603 χ^2/NDF:7914987.9/59

All: 4998.362+/-0.429 χ^2/NDF: 15700608.9/1


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 37.9/30
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 46.5/34
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 84.5/65
In: -0.000+/-0.000 χ²/NDF:49.8/53
Out: 0.000+/-0.000 χ²/NDF:70.2/59
All: -0.000+/-0.000 χ²/NDF: 122.5/113



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: 12004418.6/34

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

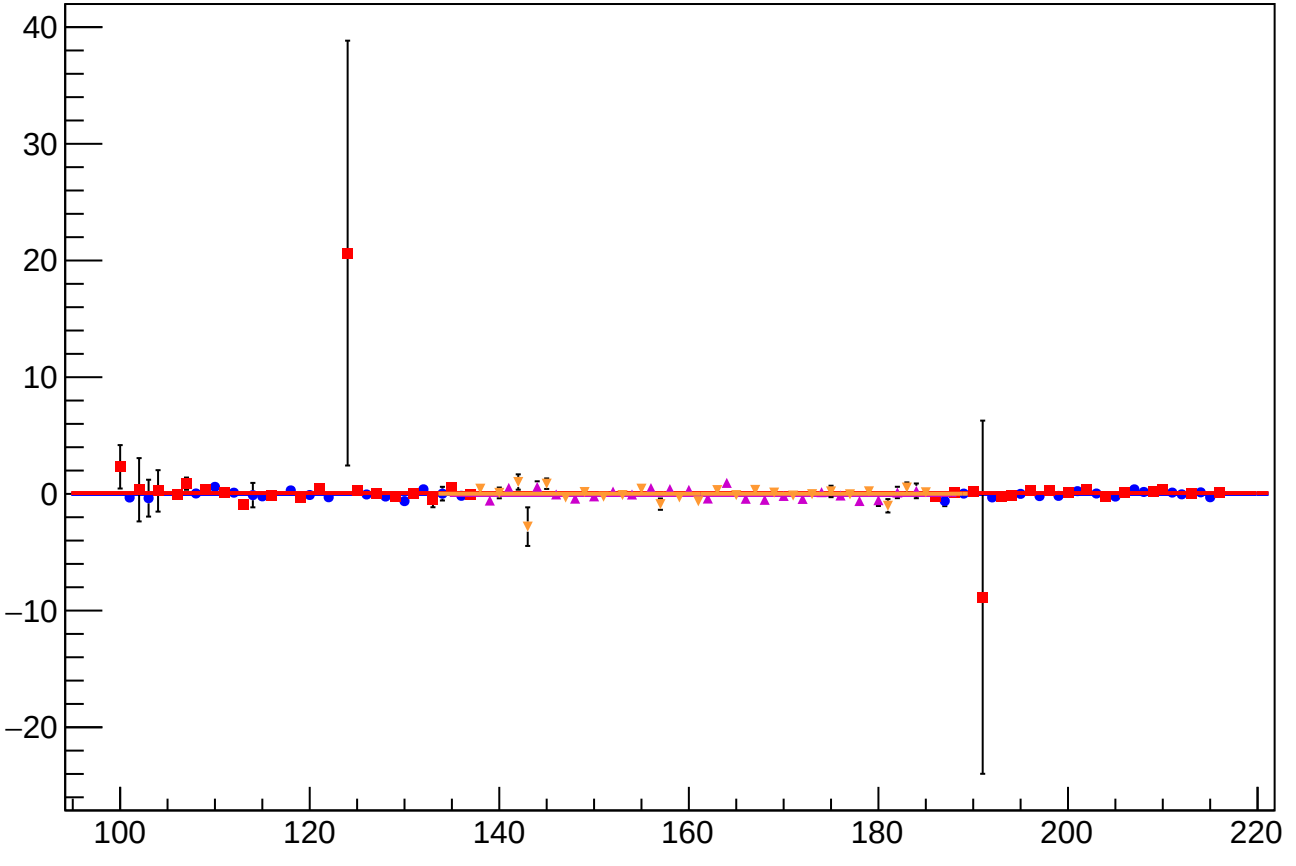
Right: 0.000+/-0.000 χ^2/NDF: 23154723.4/65

In: 0.000+/-0.000 χ^2/NDF:12786586.3/53

Out: 0.000+/-0.000 χ^2/NDF:13522145.2/59

All: 0.000+/-0.000 χ^2/NDF: 26419181.5/113

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: 0.075+/-0.044 χ^2/NDF: 32.1/34

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

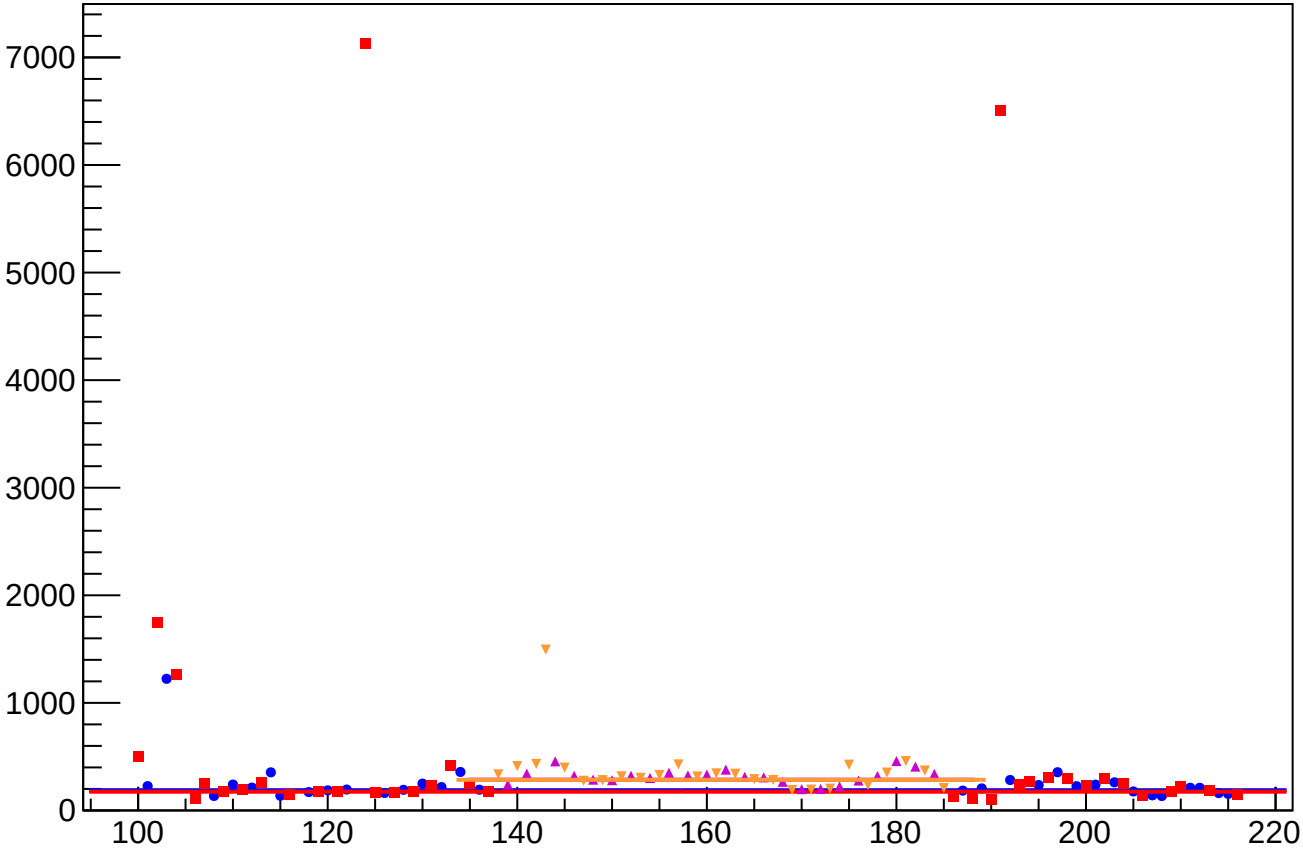
Right: 0.036+/-0.032 χ^2/NDF: 62.4/65

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.057+/-0.037 χ^2/NDF:60.9/59

All: 0.015+/-0.027 χ^2/NDF: 124.2/113

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: 174.310+/-0.031 χ^2/NDF: 5485047.3/34

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

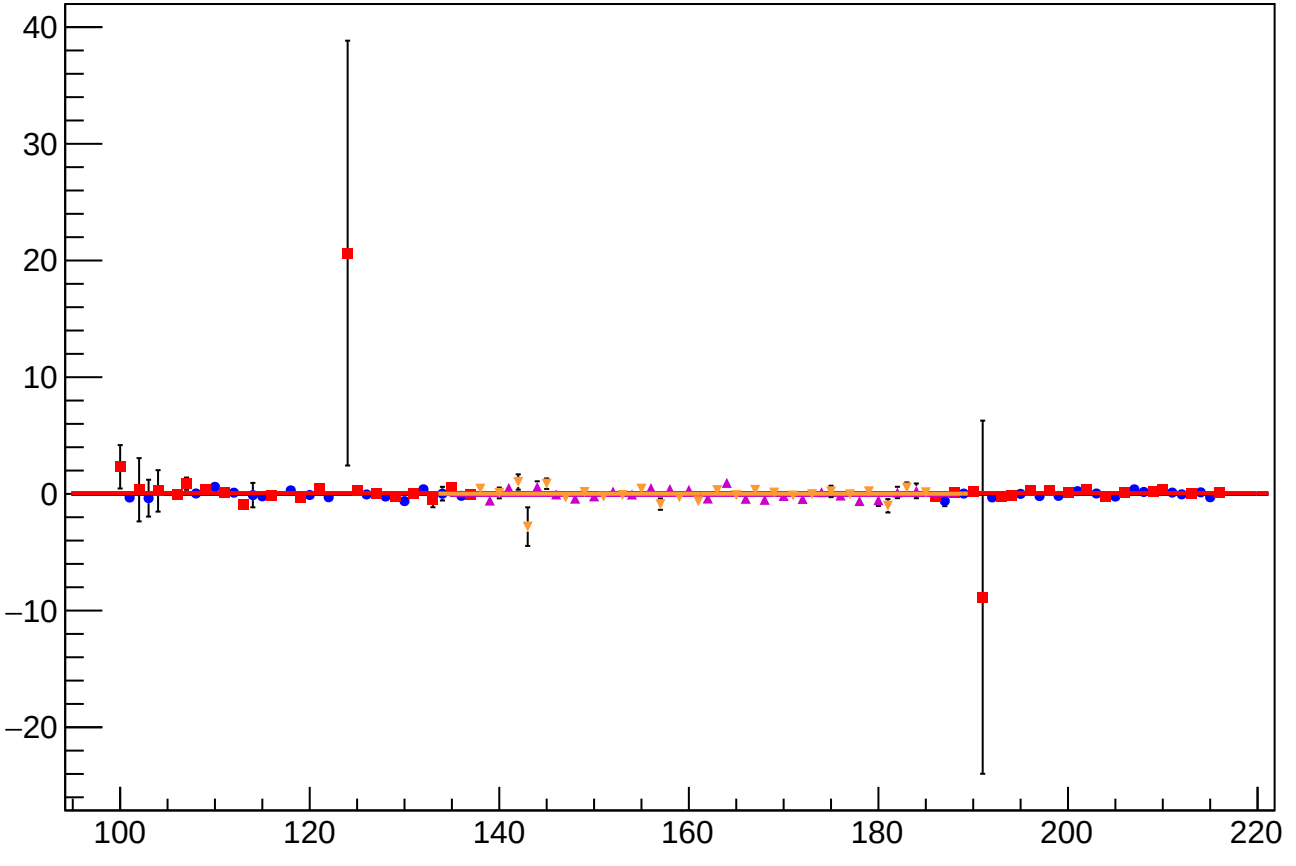
Right: 180.986+/-0.023 χ^2/NDF: 8465323.5/65

In: 217.598+/-0.027 χ^2/NDF:7319592.8/53

Out: 206.176+/-0.026 χ^2/NDF:12474433.4/59

All: 211.712+/-0.019 χ^2/NDF: 19884163.7/11

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: 0.075+/-0.044 χ^2/NDF: 32.1/34

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

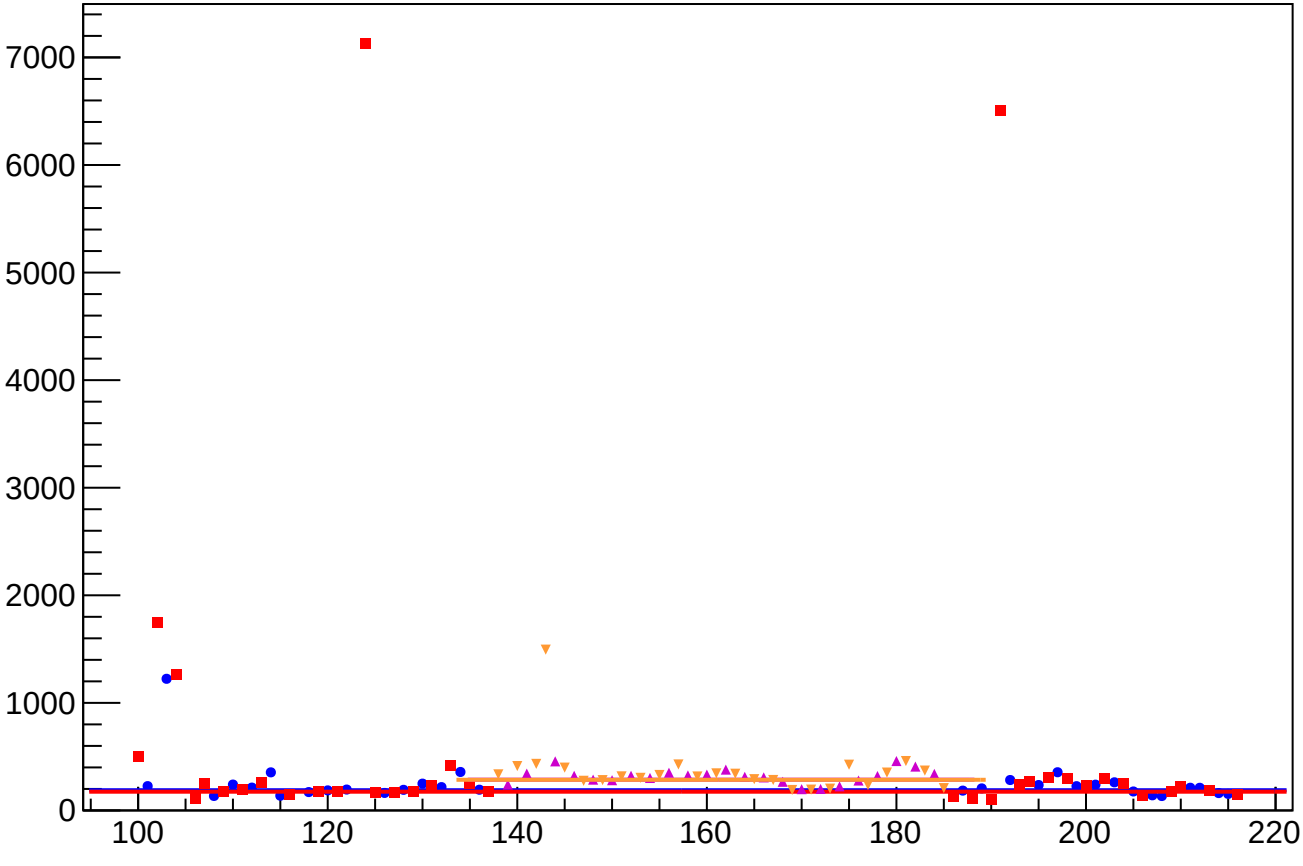
Right: 0.036+/-0.032 χ^2/NDF: 62.4/65

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.057+/-0.037 χ^2/NDF:60.9/59

All: 0.015+/-0.027 χ^2/NDF: 124.2/113

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: 174.310+/-0.031 χ^2/NDF: 5485047.3/34

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

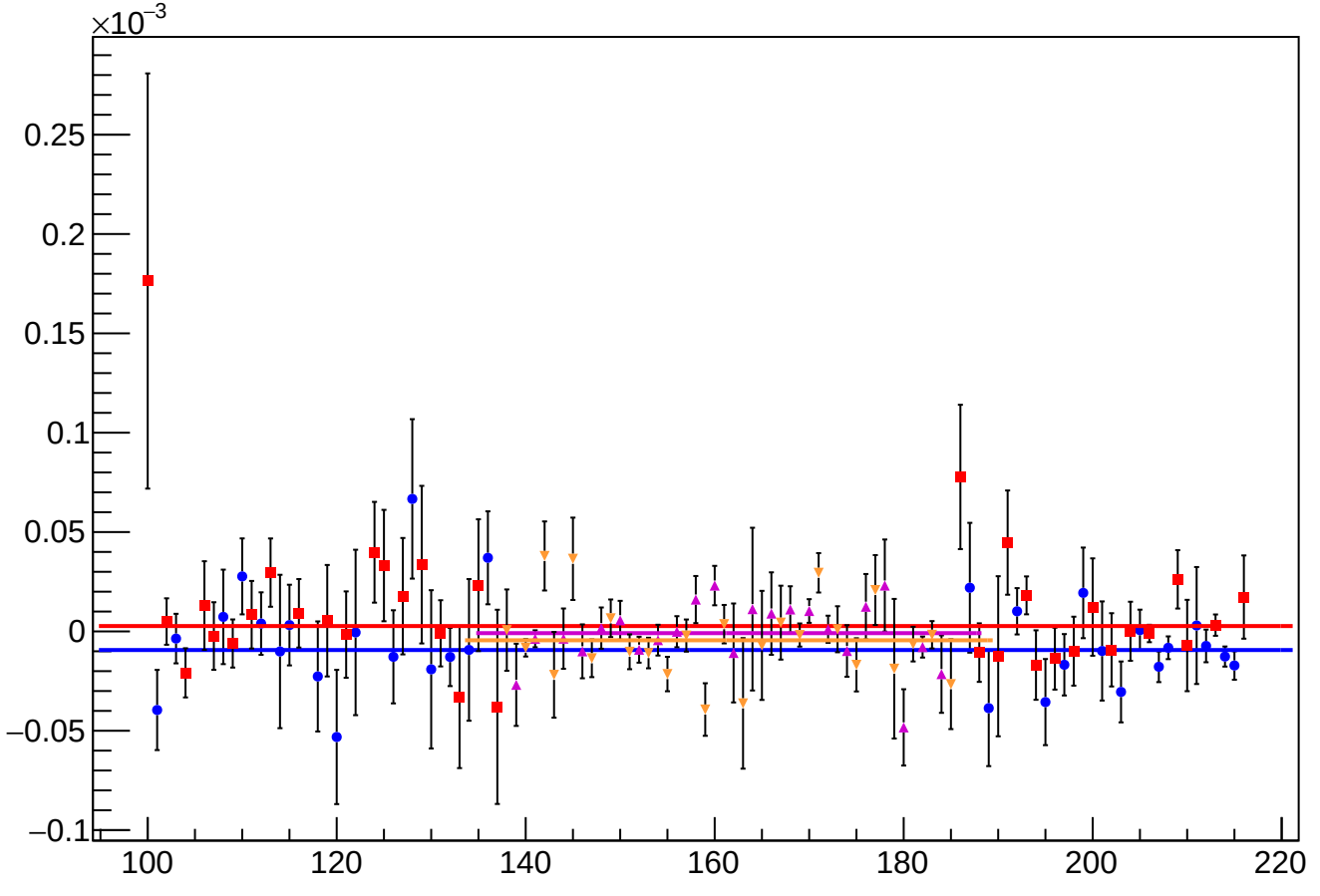
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 180.986+/-0.023 χ^2/NDF: 8465323.5/65

In: 217.598+/-0.027 χ^2/NDF:7319592.8/53

Out: 206.176+/-0.026 χ^2/NDF:12474433.4/59

All: 211.712+/-0.019 χ^2/NDF: 19884163.7/11



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: 34.2/34

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

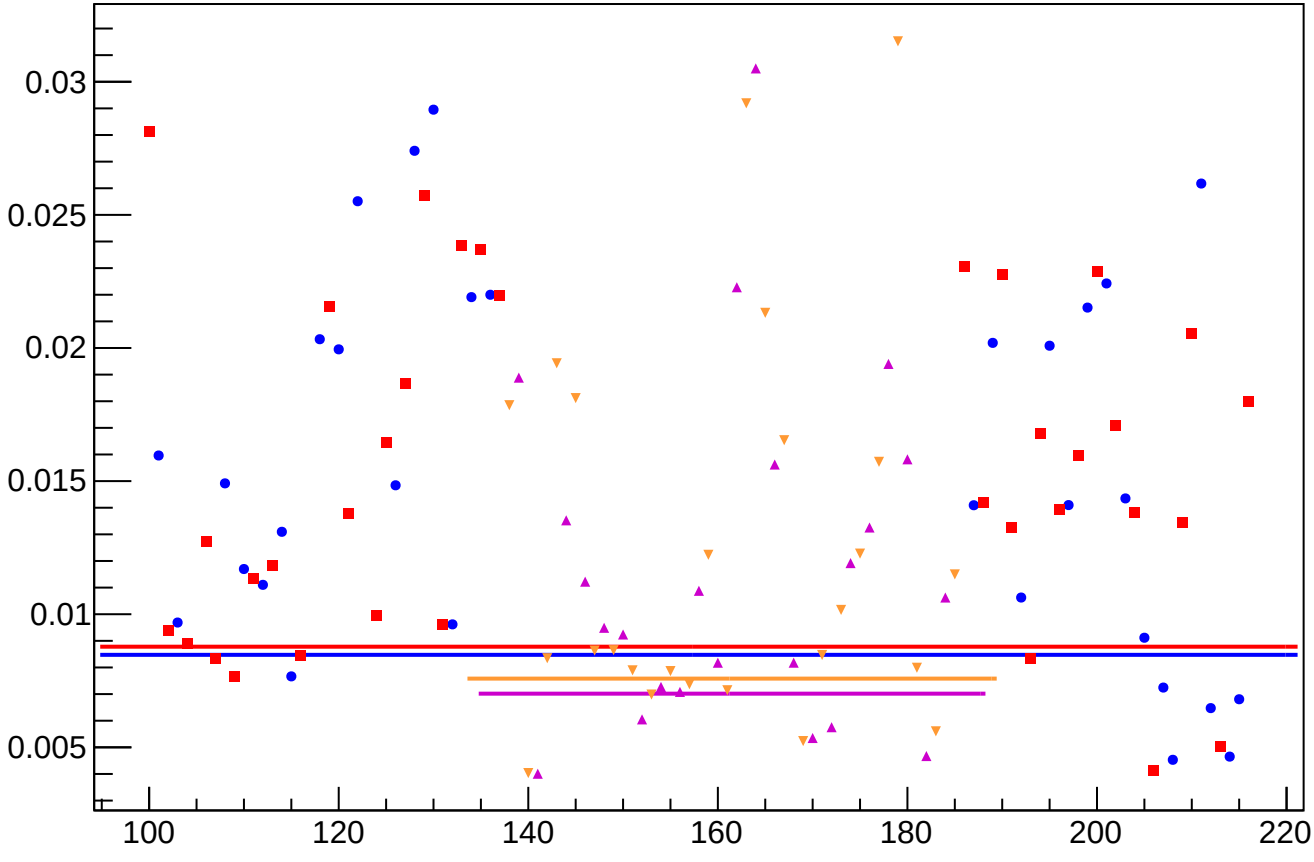
Right: -0.000+/-0.000 χ^2/NDF: 79.1/65

In: -0.000+/-0.000 χ^2/NDF:68.4/53

Out: -0.000+/-0.000 χ^2/NDF:83.6/59

All: -0.000+/-0.000 χ^2/NDF: 153.9/113

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: 9938988.6/34

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

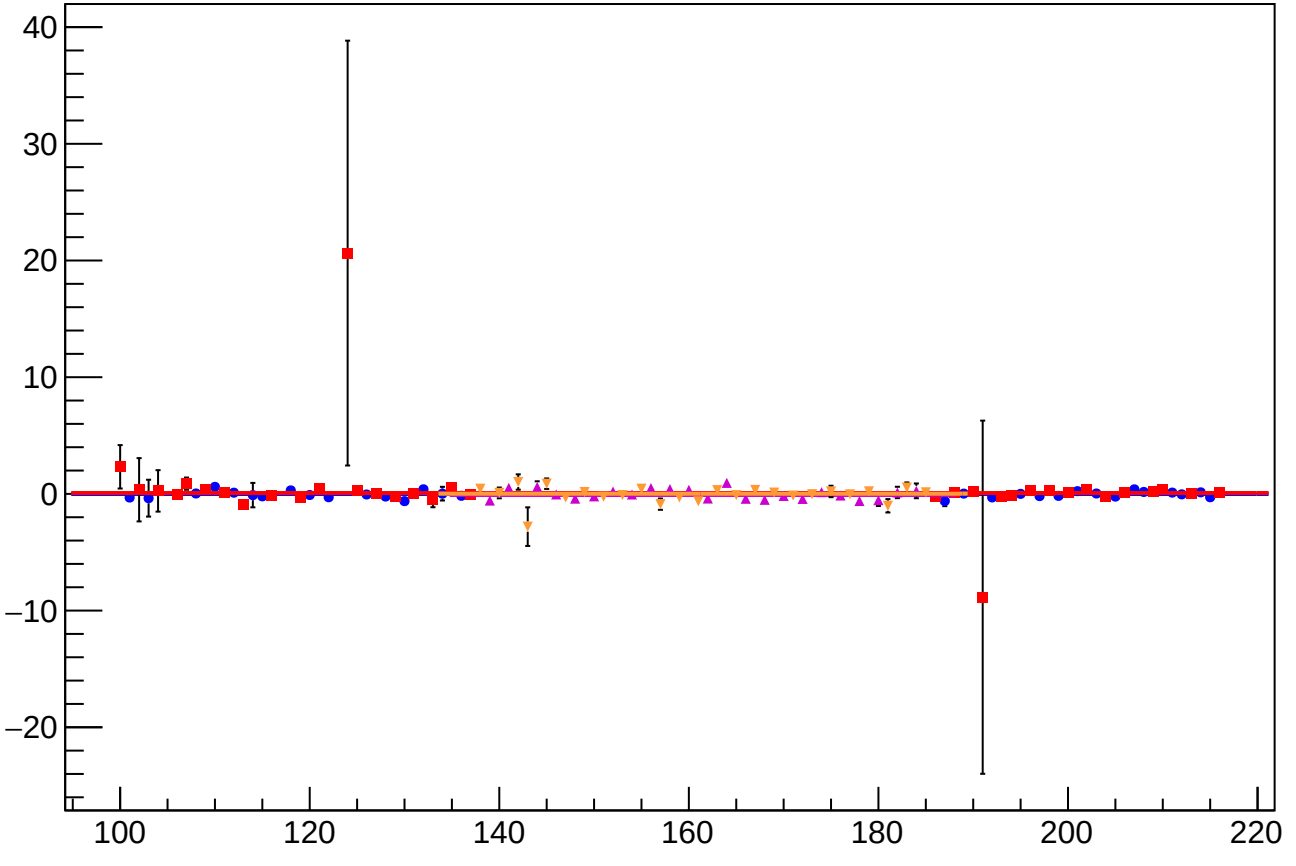
Right: 0.009+/-0.000 χ^2/NDF: 19526131.5/65

In: 0.008+/-0.000 χ^2/NDF:16785738.5/53

Out: 0.008+/-0.000 χ^2/NDF:17598763.6/59

All: 0.008+/-0.000 χ^2/NDF: 34485233.2/113

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: 0.075+/-0.044 χ^2/NDF: 32.1/34

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

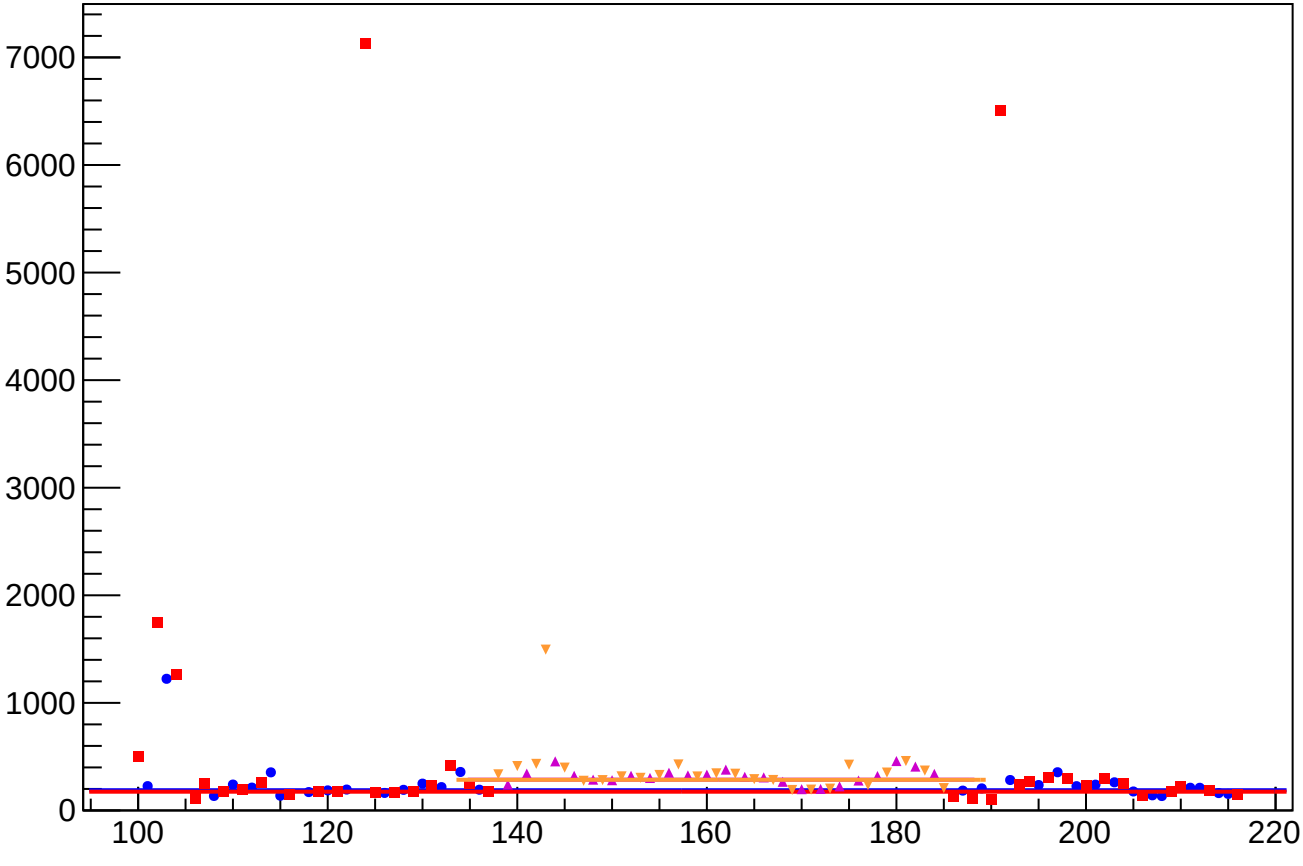
Right: 0.036+/-0.032 χ^2/NDF: 62.4/65

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.057+/-0.037 χ^2/NDF:60.9/59

All: 0.015+/-0.027 χ^2/NDF: 124.2/113

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: 174.308+/-0.031 χ^2/NDF: 5485185.7/34

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

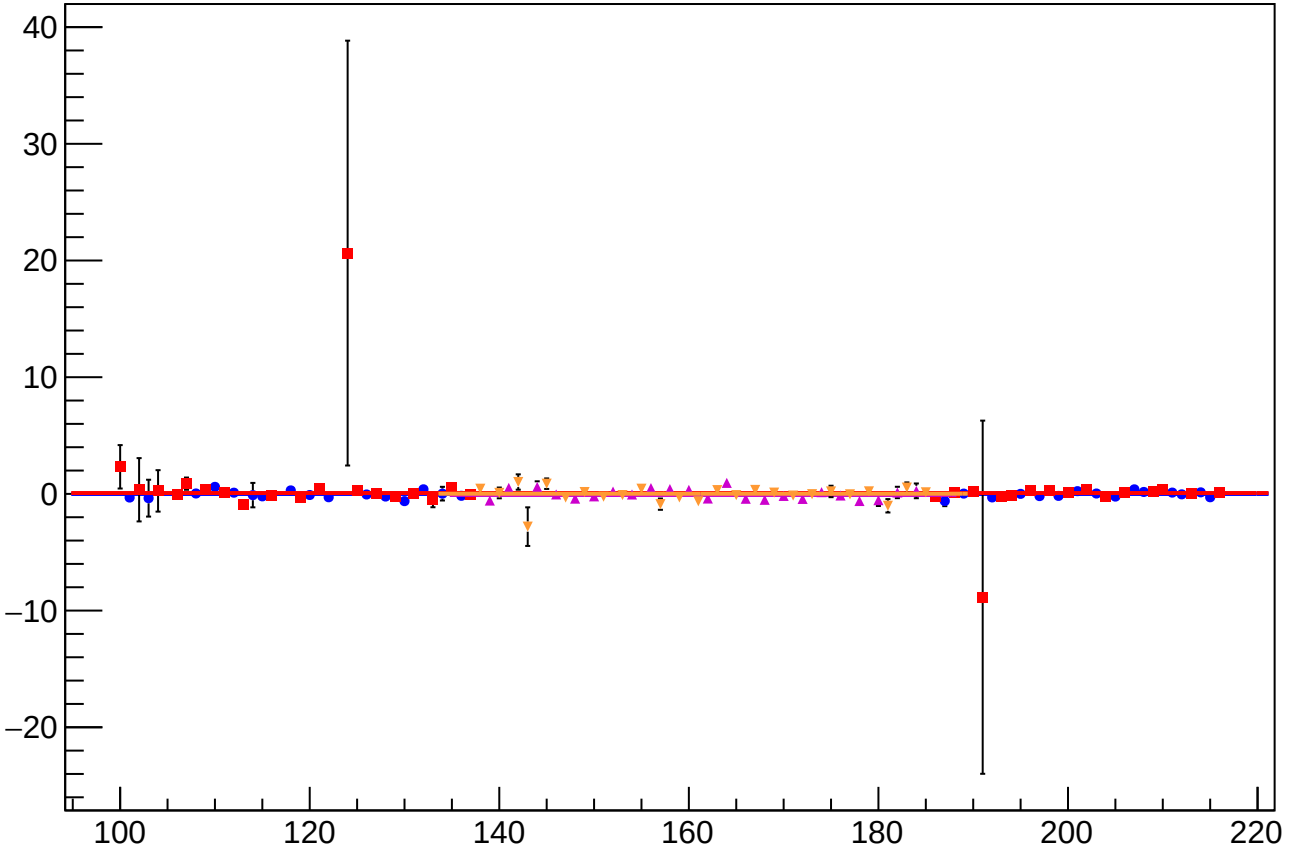
Right: 180.985+/-0.023 χ^2/NDF: 8465497.3/65

In: 217.598+/-0.027 χ^2/NDF:7319817.3/53

Out: 206.175+/-0.026 χ^2/NDF:12474900.9/59

All: 211.711+/-0.019 χ^2/NDF: 19884875.0/11

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: 0.075+/-0.044 χ^2/NDF: 32.1/34

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

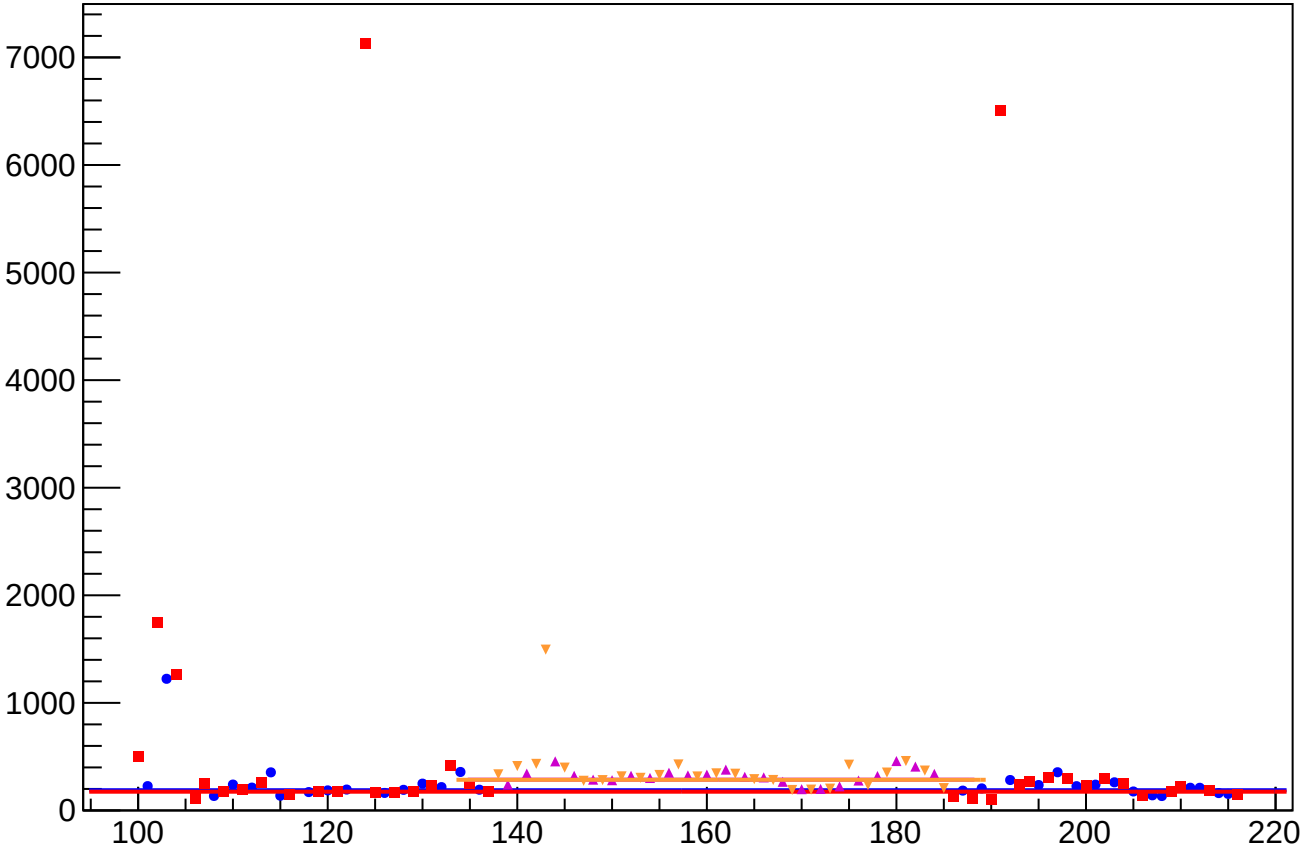
Right: 0.036+/-0.032 χ^2/NDF: 62.4/65

In: -0.031+/-0.039 χ^2/NDF:60.7/53

Out: 0.057+/-0.037 χ^2/NDF:60.9/59

All: 0.015+/-0.027 χ^2/NDF: 124.2/113

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: 174.308+/-0.031 χ^2/NDF: 5485185.7/34

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

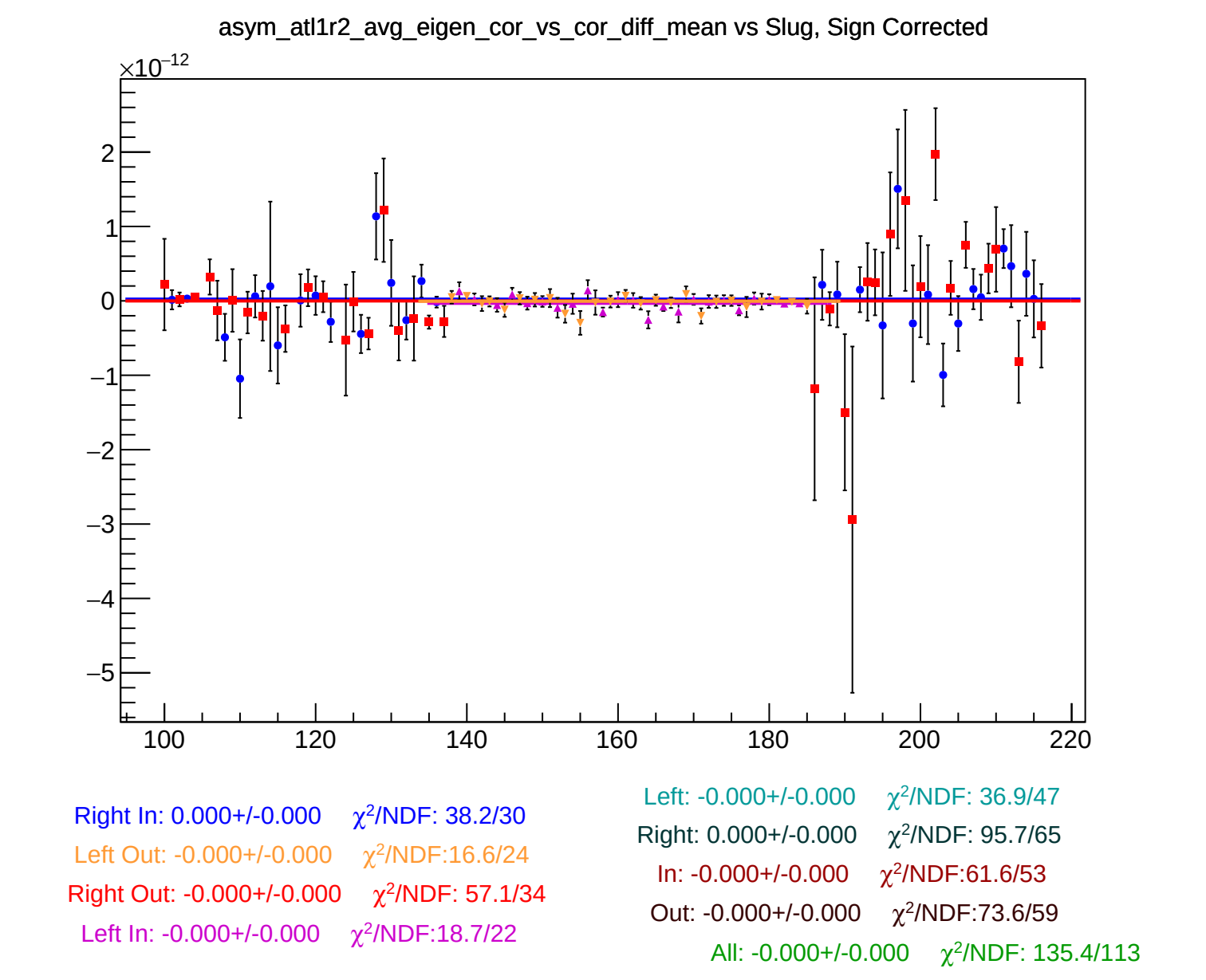
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

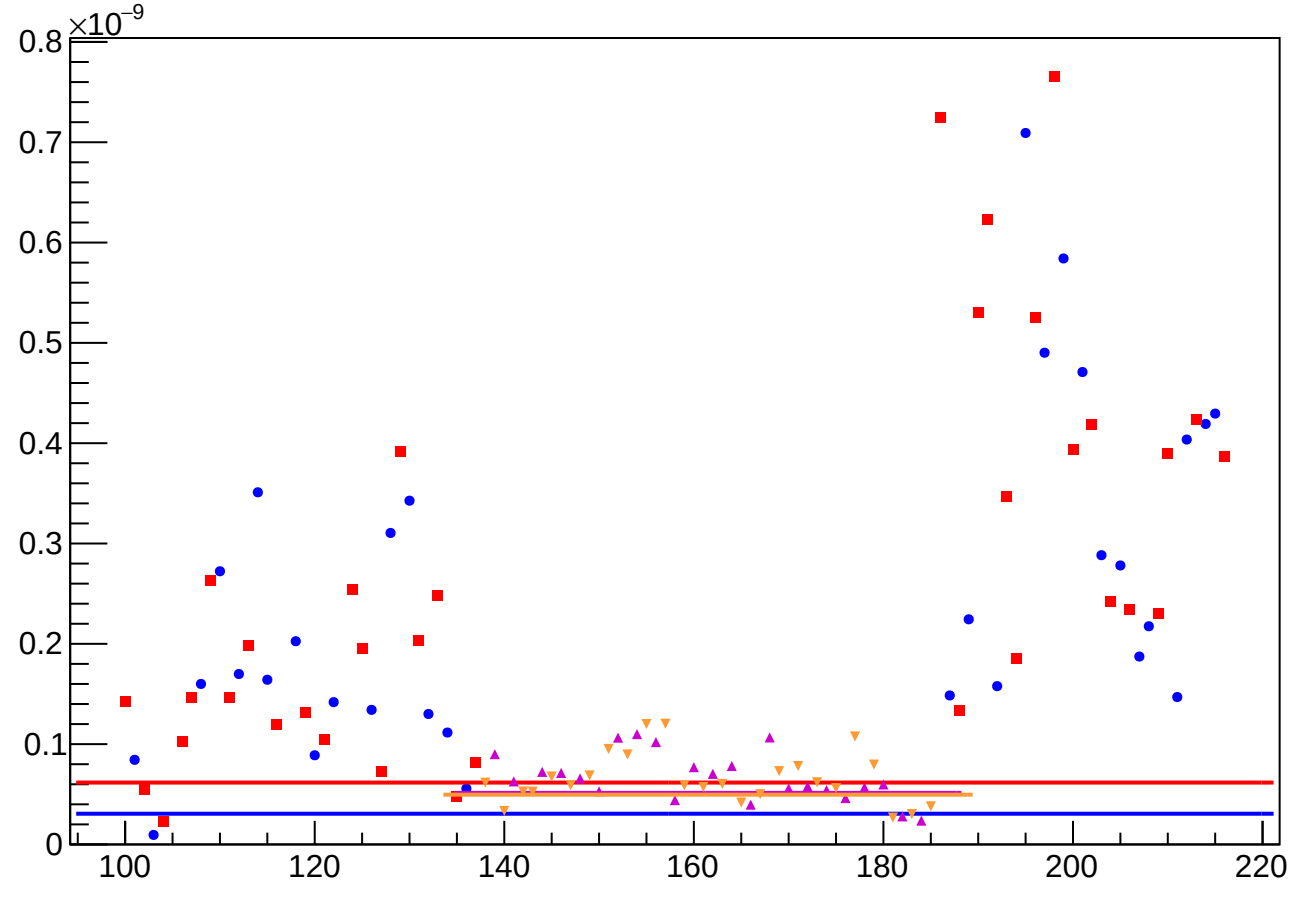
Right: 180.985+/-0.023 χ^2/NDF: 8465497.3/65

In: 217.598+/-0.027 χ^2/NDF:7319817.3/53

Out: 206.175+/-0.026 χ^2/NDF:12474900.9/59

All: 211.711+/-0.019 χ^2/NDF: 19884875.0/11


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 38.2/30
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 57.1/34
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 95.7/65
In: -0.000+/-0.000 χ²/NDF:61.6/53
Out: -0.000+/-0.000 χ²/NDF:73.6/59
All: -0.000+/-0.000 χ²/NDF: 135.4/113



Right In: 0.000+/-0.000 χ^2/NDF: 17596615.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12783529.5/34

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

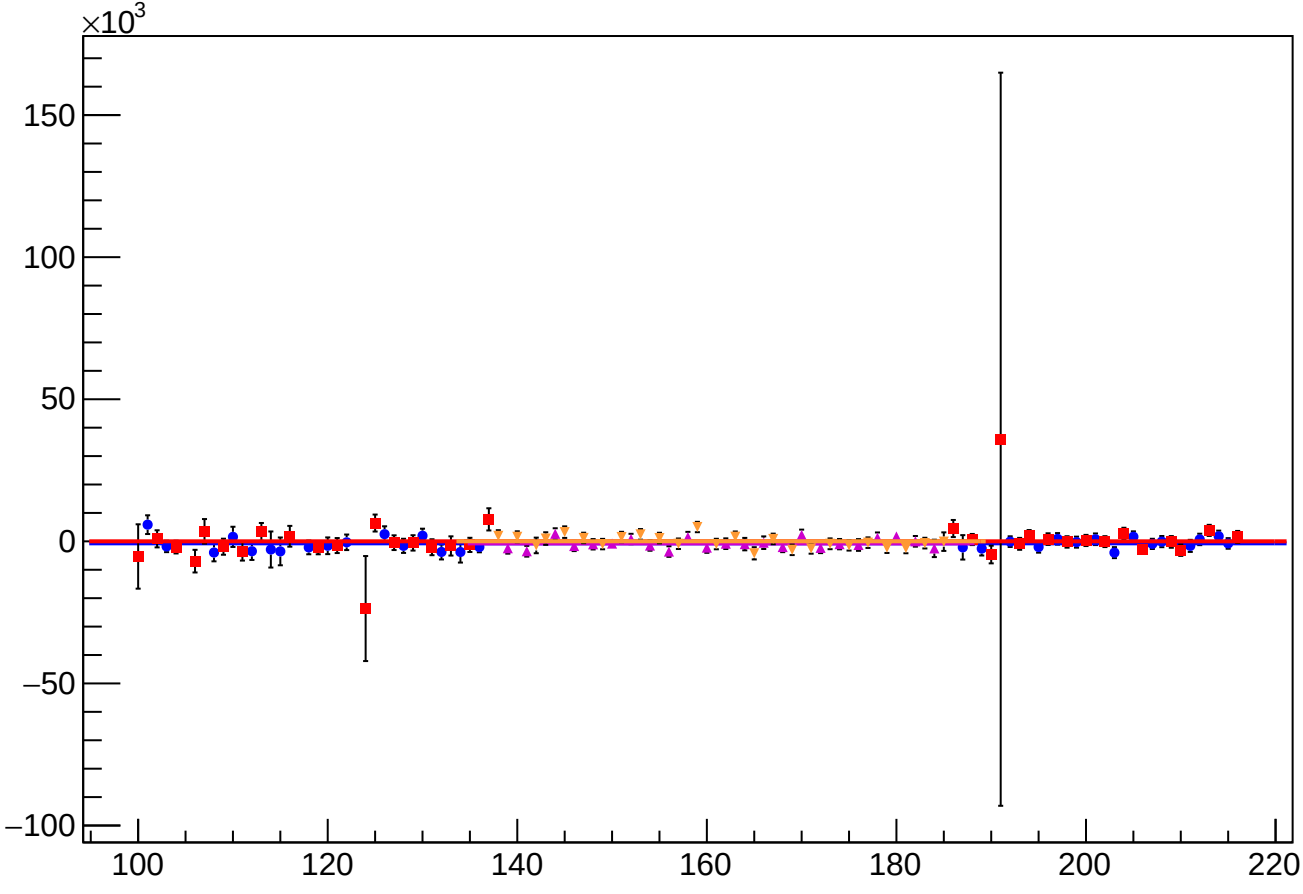
Right: 0.000+/-0.000 χ^2/NDF: 31843038.9/65

In: 0.000+/-0.000 χ^2/NDF:22571072.6/53

Out: 0.000+/-0.000 χ^2/NDF:16922532.6/59

All: 0.000+/-0.000 χ^2/NDF: 39920046.5/113

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: 12.777+/-423.392 χ^2/NDF: 38.3/34

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

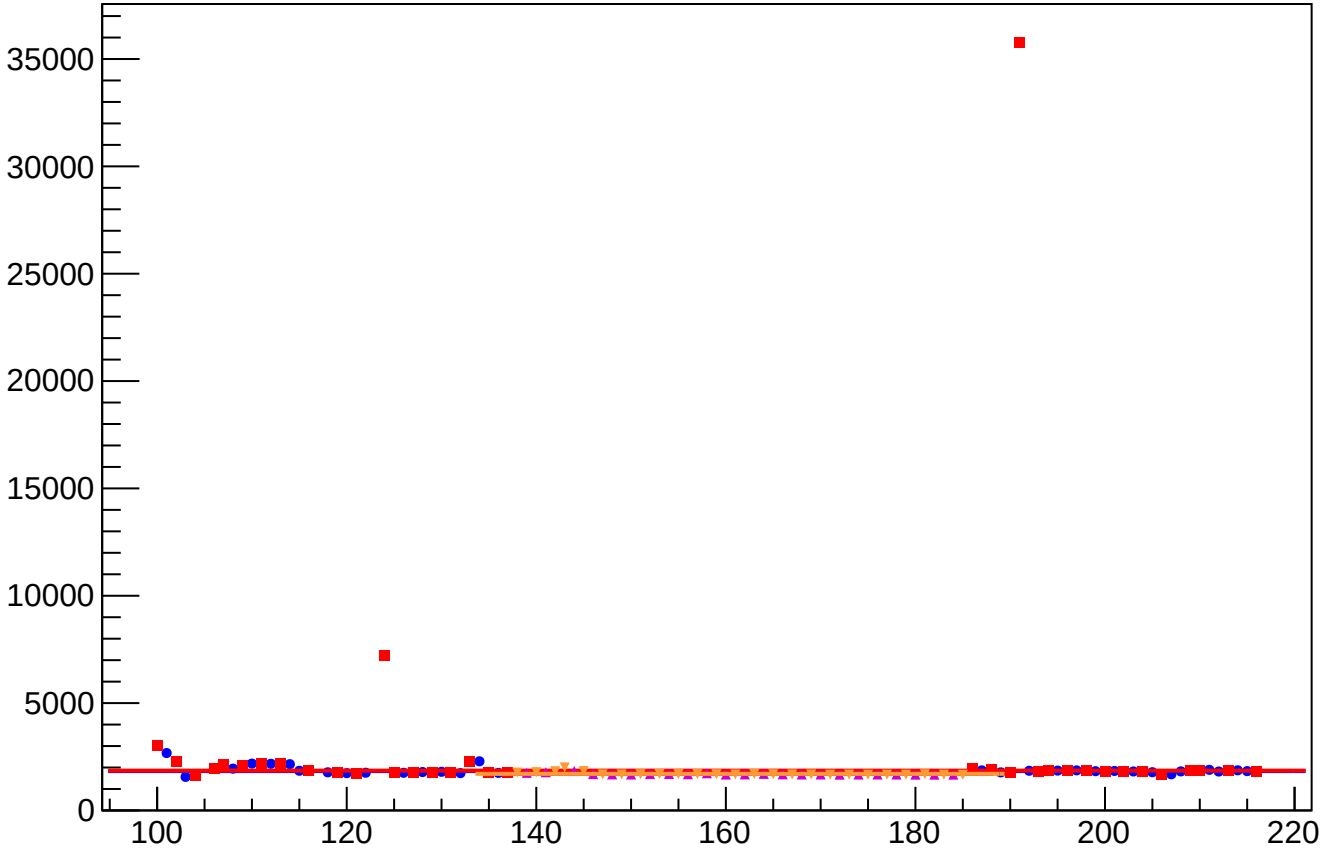
Right: -346.979+/-297.683 χ^2/NDF: 61.4/65

In: -709.658+/-287.852 χ^2/NDF:40.7/53

Out: 18.399+/-285.945 χ^2/NDF:67.8/59

All: -343.210+/-202.865 χ^2/NDF: 111.7/113

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: 1854.799+/-0.299 χ^2/NDF: 536426.8/34

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

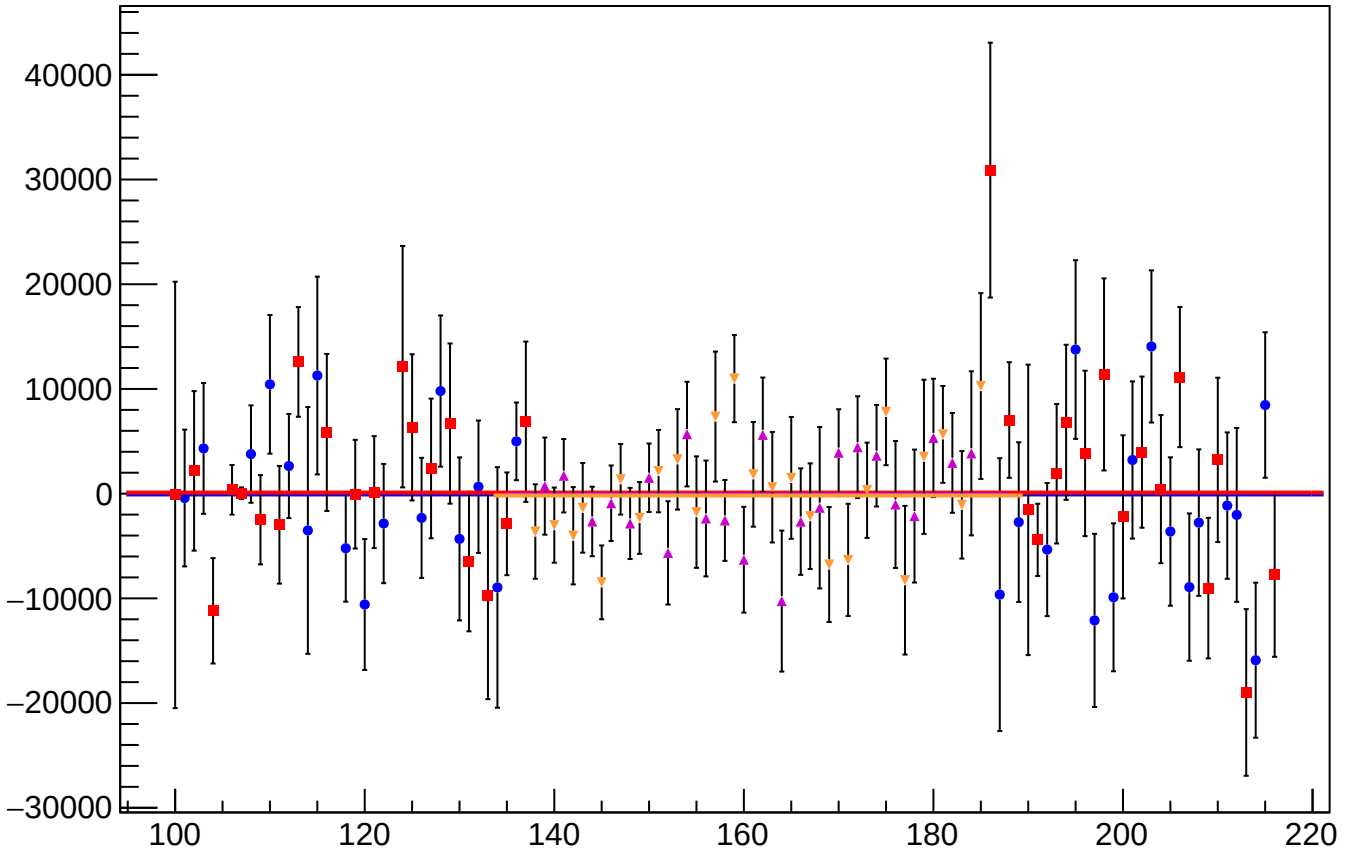
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1843.639+/-0.210 χ^2/NDF: 820725.7/65

In: 1761.437+/-0.204 χ^2/NDF:412659.9/53

Out: 1773.734+/-0.202 χ^2/NDF:731492.4/59

All: 1767.628+/-0.143 χ^2/NDF: 1145990.1/11



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: 101.317+/-484.703 χ^2/NDF: 42.1/34

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

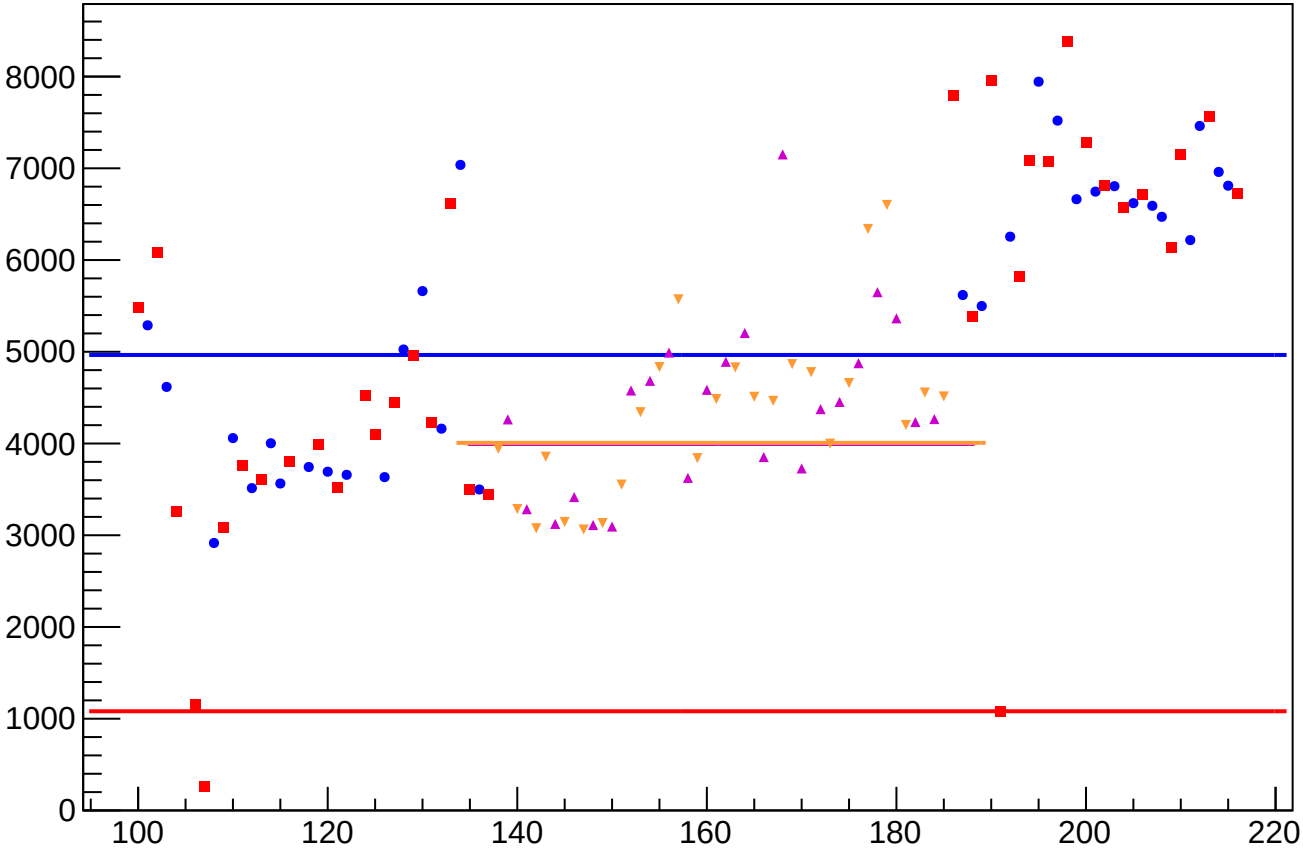
Right: 75.925+/-448.694 χ^2/NDF: 76.7/65

In: -64.218+/-744.552 χ^2/NDF:48.8/53

Out: 42.638+/-430.332 χ^2/NDF:70.1/59

All: 15.881+/-372.578 χ^2/NDF: 119.0/113

asym_atl1r2_dd_reg_correction_rms vs Slug, Sign Corrected



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: 1081.377+/-0.343 χ^2/NDF: 28642248.4/34

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

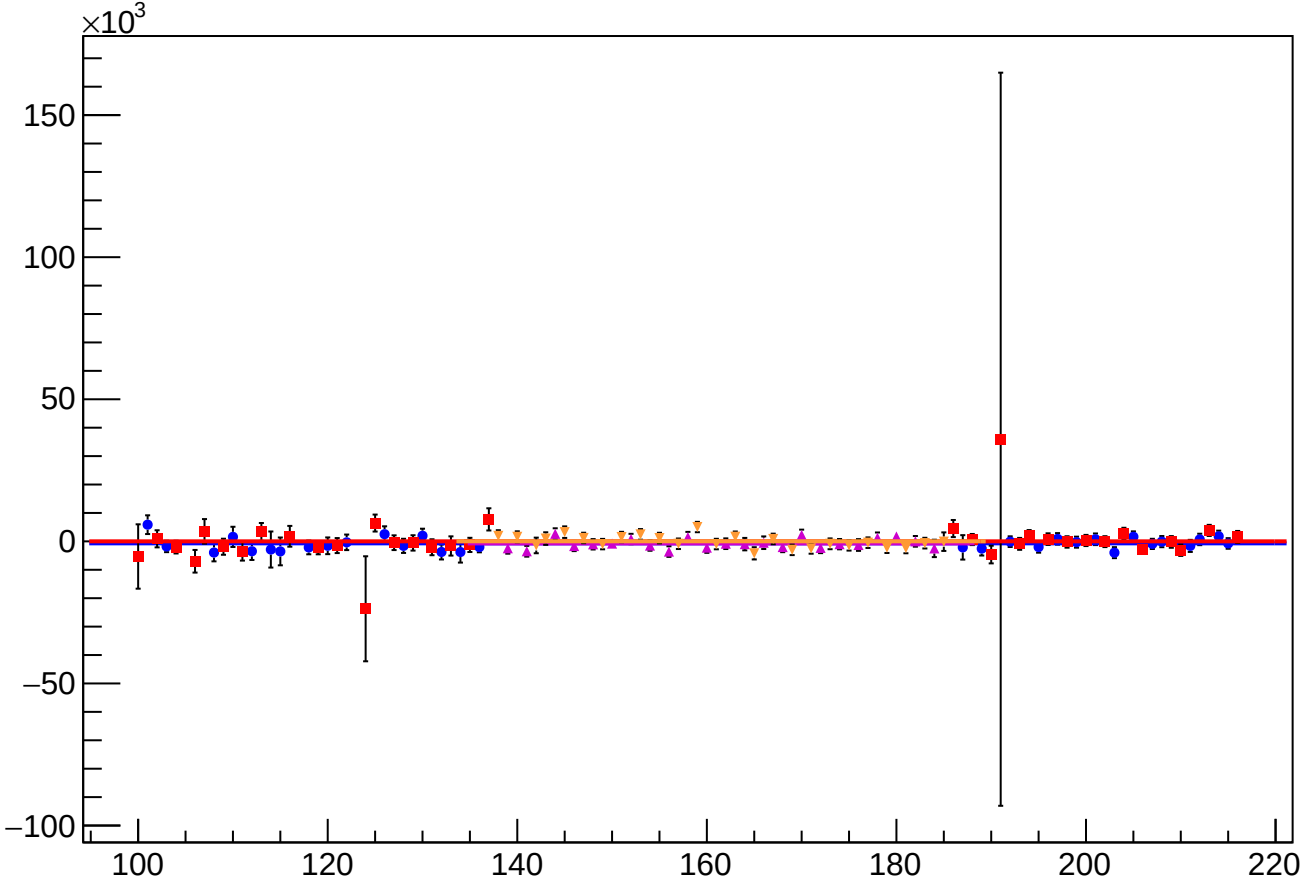
Right: 1637.036+/-0.317 χ^2/NDF: 50244211.7/65

In: 4377.237+/-0.526 χ^2/NDF:5578911.2/53

Out: 1700.921+/-0.304 χ^2/NDF:45575982.0/59

All: 2371.085+/-0.263 χ^2/NDF: 70525410.3/1

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: 12.646+/-423.392 χ^2/NDF: 38.4/34

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

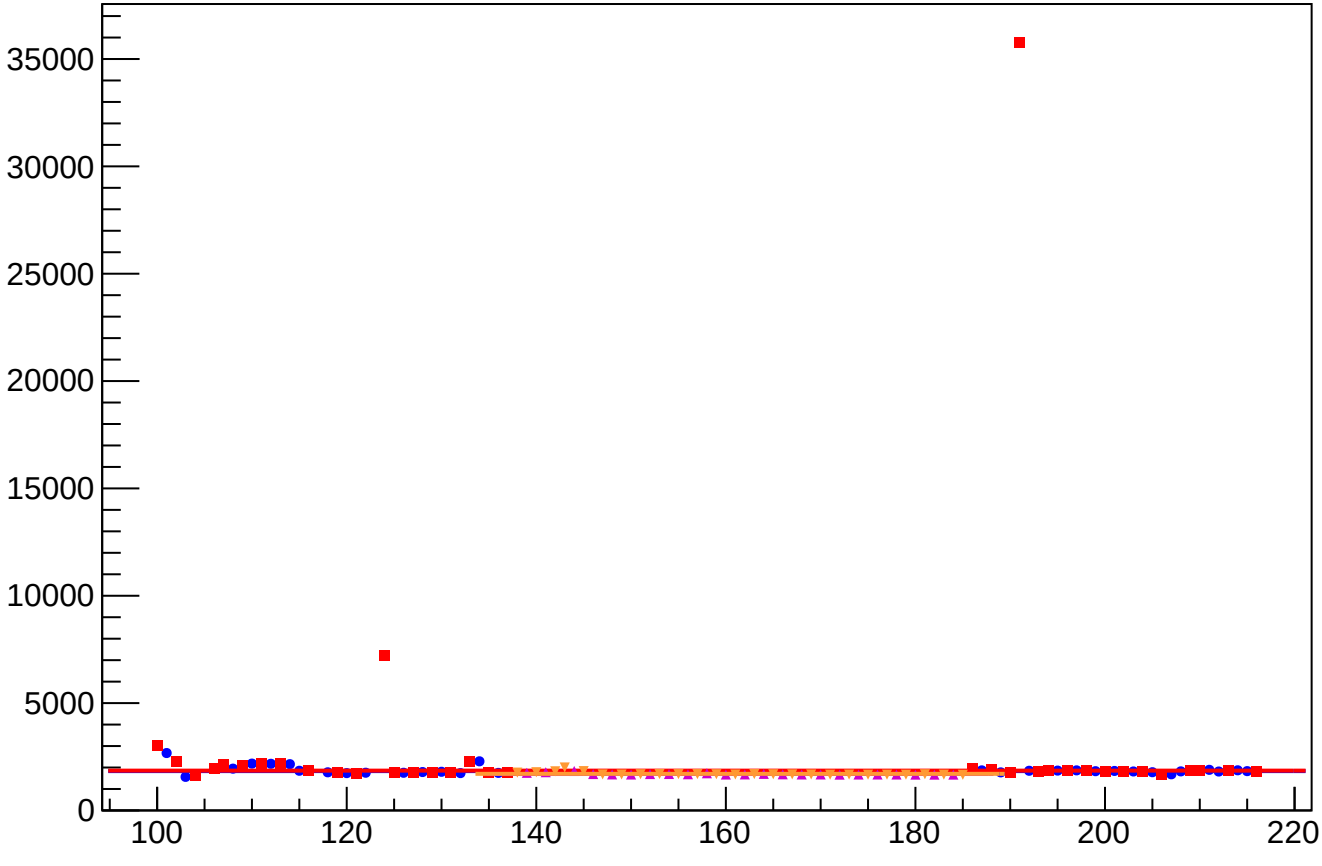
Right: -346.959+/-297.684 χ^2/NDF: 61.4/65

In: -709.513+/-287.852 χ^2/NDF:40.7/53

Out: 18.379+/-285.945 χ^2/NDF:67.8/59

All: -343.148+/-202.865 χ^2/NDF: 111.8/113

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: 1854.959+/-0.299 χ^2/NDF: 536773.1/34

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

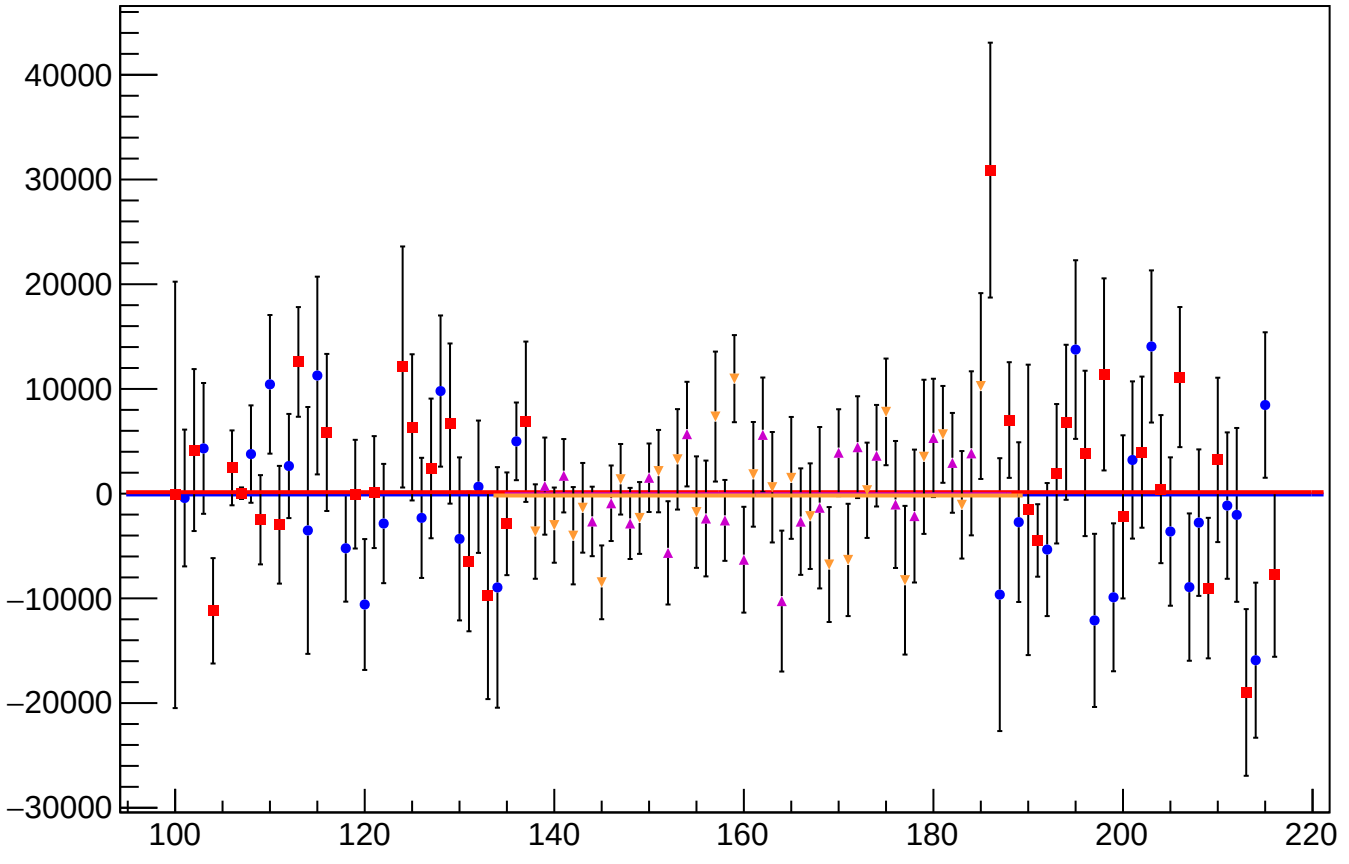
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1843.717+/-0.210 χ^2/NDF: 821110.9/65

In: 1761.437+/-0.204 χ^2/NDF:412659.3/53

Out: 1773.800+/-0.202 χ^2/NDF:732115.9/59

All: 1767.662+/-0.143 χ^2/NDF: 1146633.0/11



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: 141.071+/-490.532 χ^2/NDF: 42.8/34

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

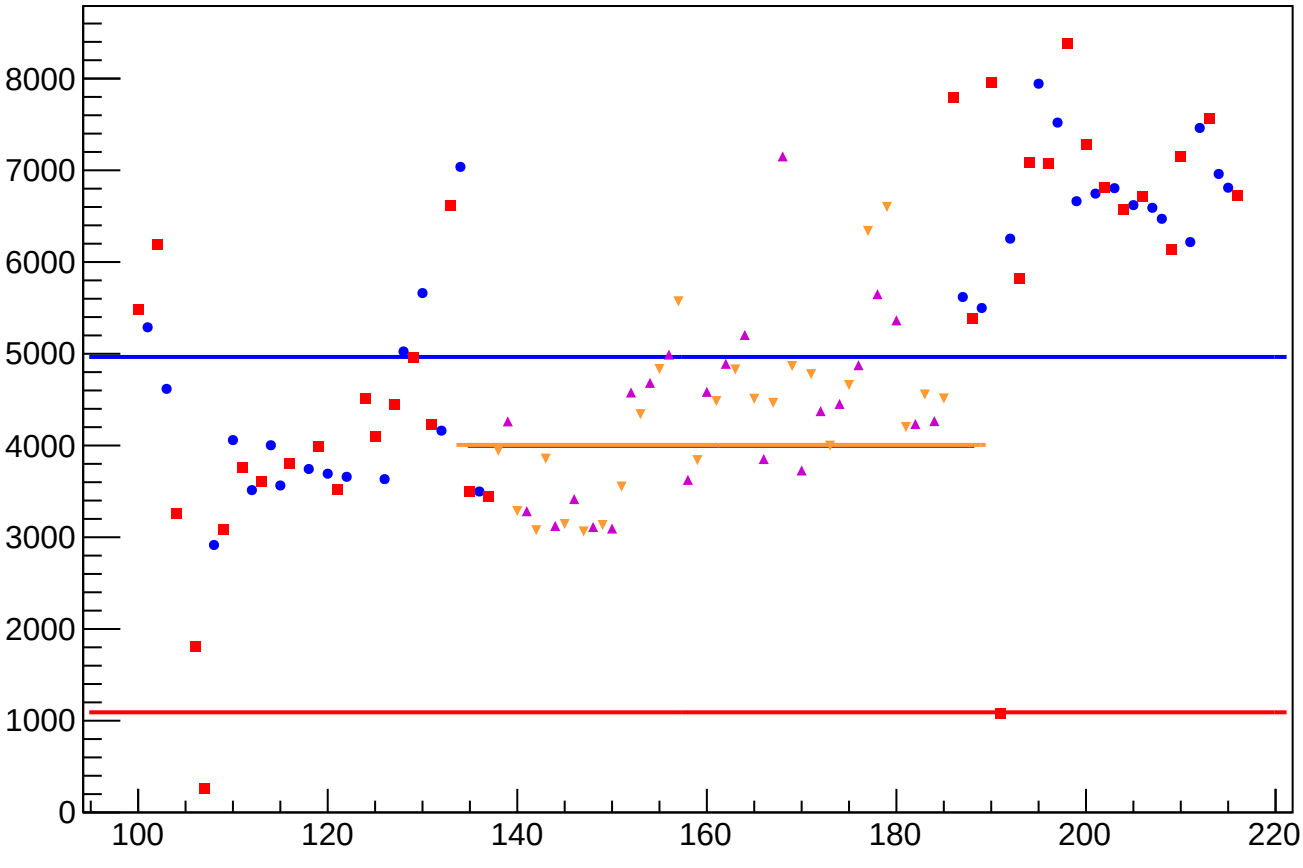
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 109.339+/-453.306 χ^2/NDF: 77.4/65

In: -64.202+/-744.552 χ^2/NDF:48.8/53

Out: 72.705+/-434.396 χ^2/NDF:70.8/59

All: 37.938+/-375.206 χ^2/NDF: 119.7/113



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: 1091.673+/-0.347 χ^2/NDF: 28734404.2/34

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

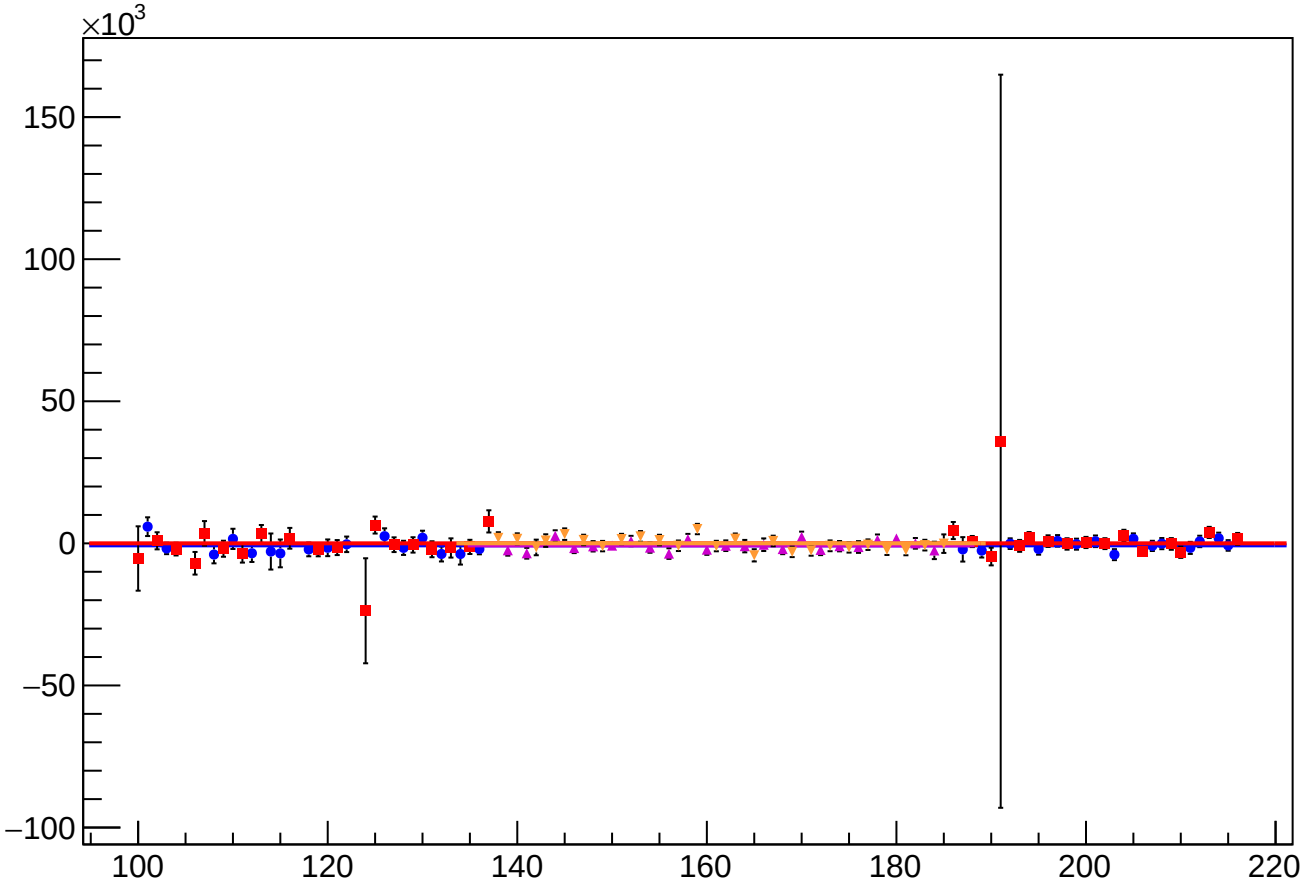
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1657.309+/-0.321 χ^2/NDF: 50176078.8/65

In: 4377.239+/-0.526 χ^2/NDF:5578911.4/53

Out: 1720.750+/-0.307 χ^2/NDF:45481599.4/59

All: 2395.366+/-0.265 χ^2/NDF: 70054811.9/1



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: 12.646+/-423.392 χ^2/NDF: 38.4/34

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

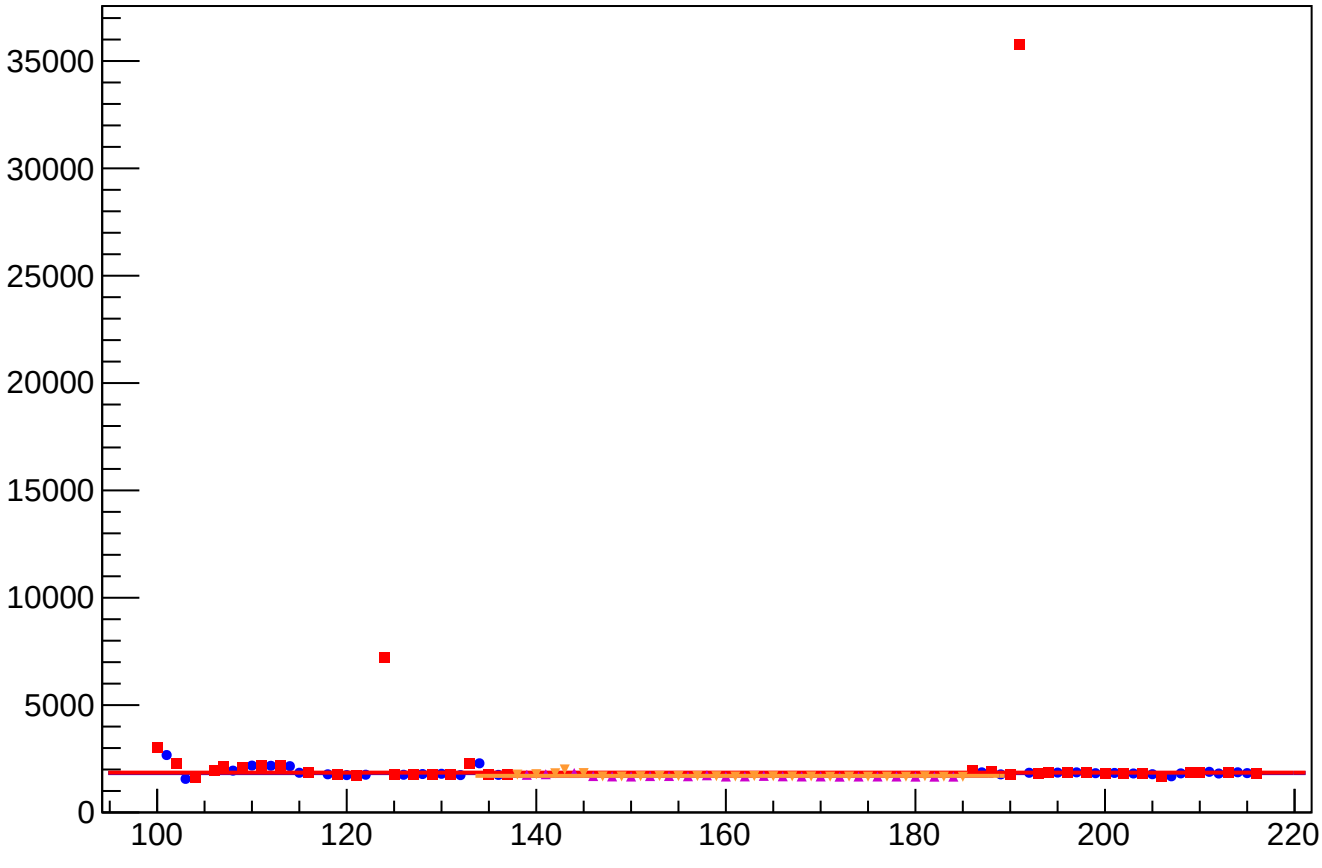
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -346.959+/-297.684 χ^2/NDF: 61.4/65

In: -709.513+/-287.852 χ^2/NDF:40.7/53

Out: 18.379+/-285.945 χ^2/NDF:67.8/59

All: -343.148+/-202.865 χ^2/NDF: 111.8/113



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: 1854.959+/-0.299 χ^2/NDF: 536773.1/34

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

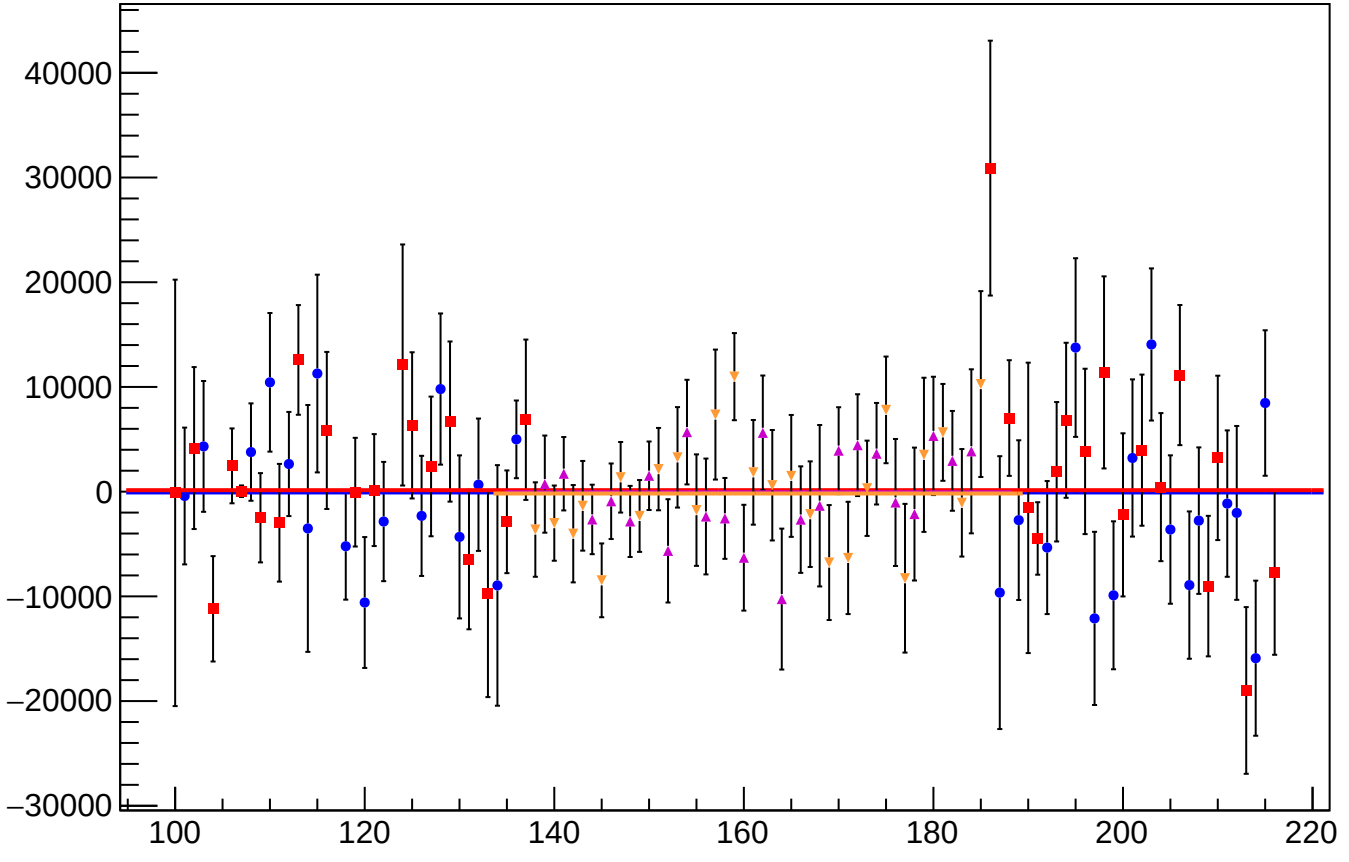
Right: 1843.717+/-0.210 χ^2/NDF: 821110.9/65

In: 1761.437+/-0.204 χ^2/NDF:412659.3/53

Out: 1773.800+/-0.202 χ^2/NDF:732115.9/59

All: 1767.662+/-0.143 χ^2/NDF: 1146633.0/11

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: 141.071+/-490.532 χ^2/NDF: 42.8/34

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

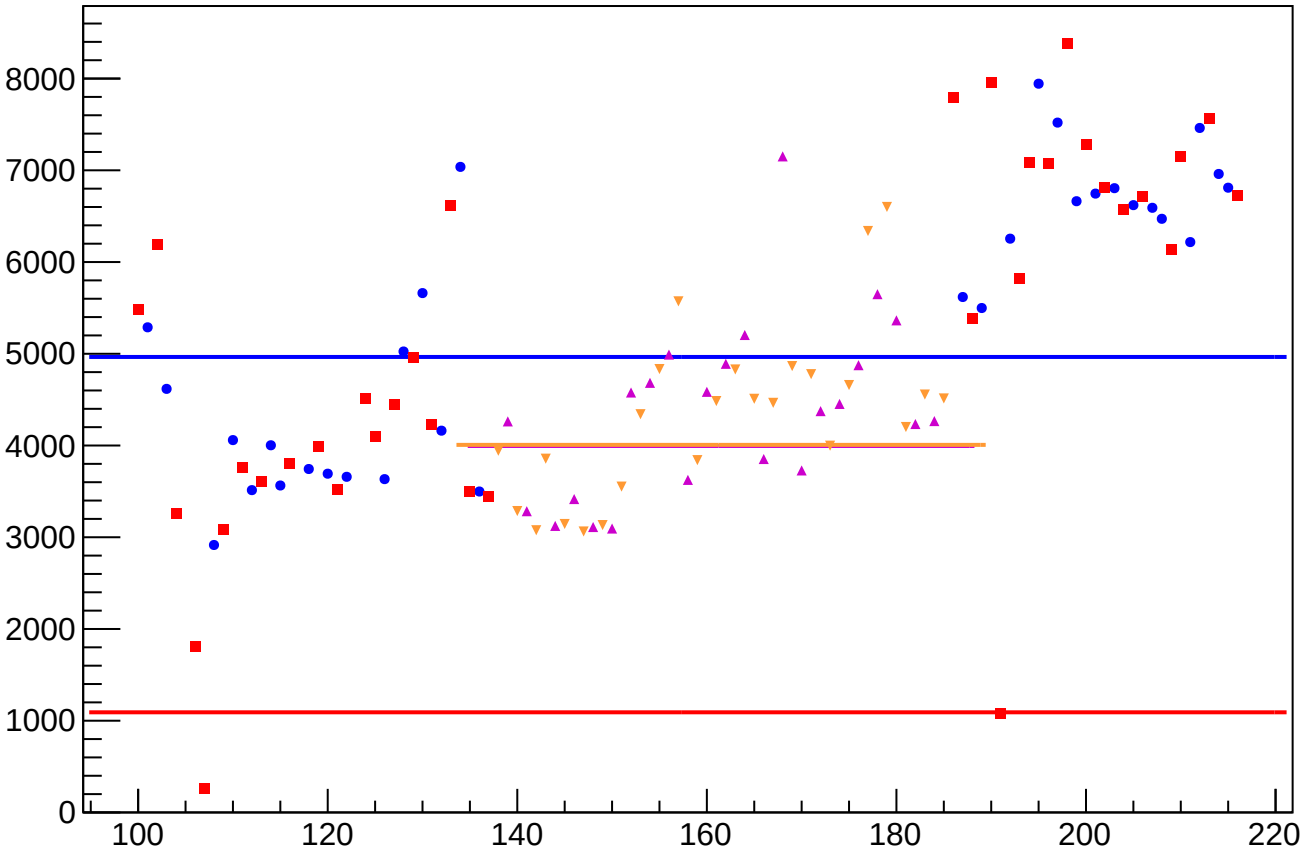
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 109.339+/-453.306 χ^2/NDF: 77.4/65

In: -64.202+/-744.552 χ^2/NDF:48.8/53

Out: 72.705+/-434.396 χ^2/NDF:70.8/59

All: 37.938+/-375.206 χ^2/NDF: 119.7/113



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: 1091.673+/-0.347 χ^2/NDF: 28734404.2/34

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

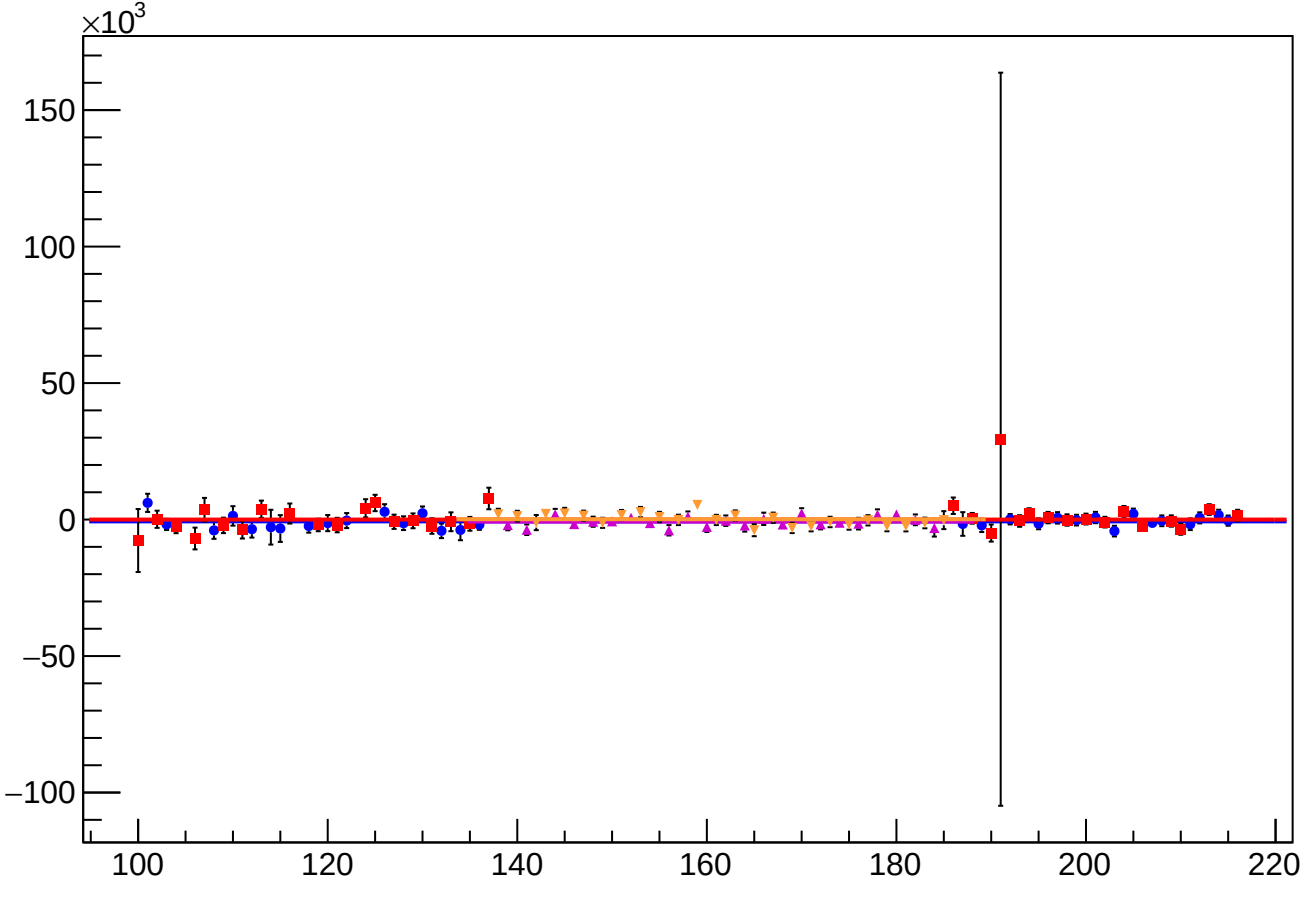
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1657.309+/-0.321 χ^2/NDF: 50176078.8/65

In: 4377.239+/-0.526 χ^2/NDF:5578911.4/53

Out: 1720.750+/-0.307 χ^2/NDF:45481599.4/59

All: 2395.366+/-0.265 χ^2/NDF: 70054811.9/1



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: -2.172+/-425.094 χ^2/NDF: 39.8/34

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

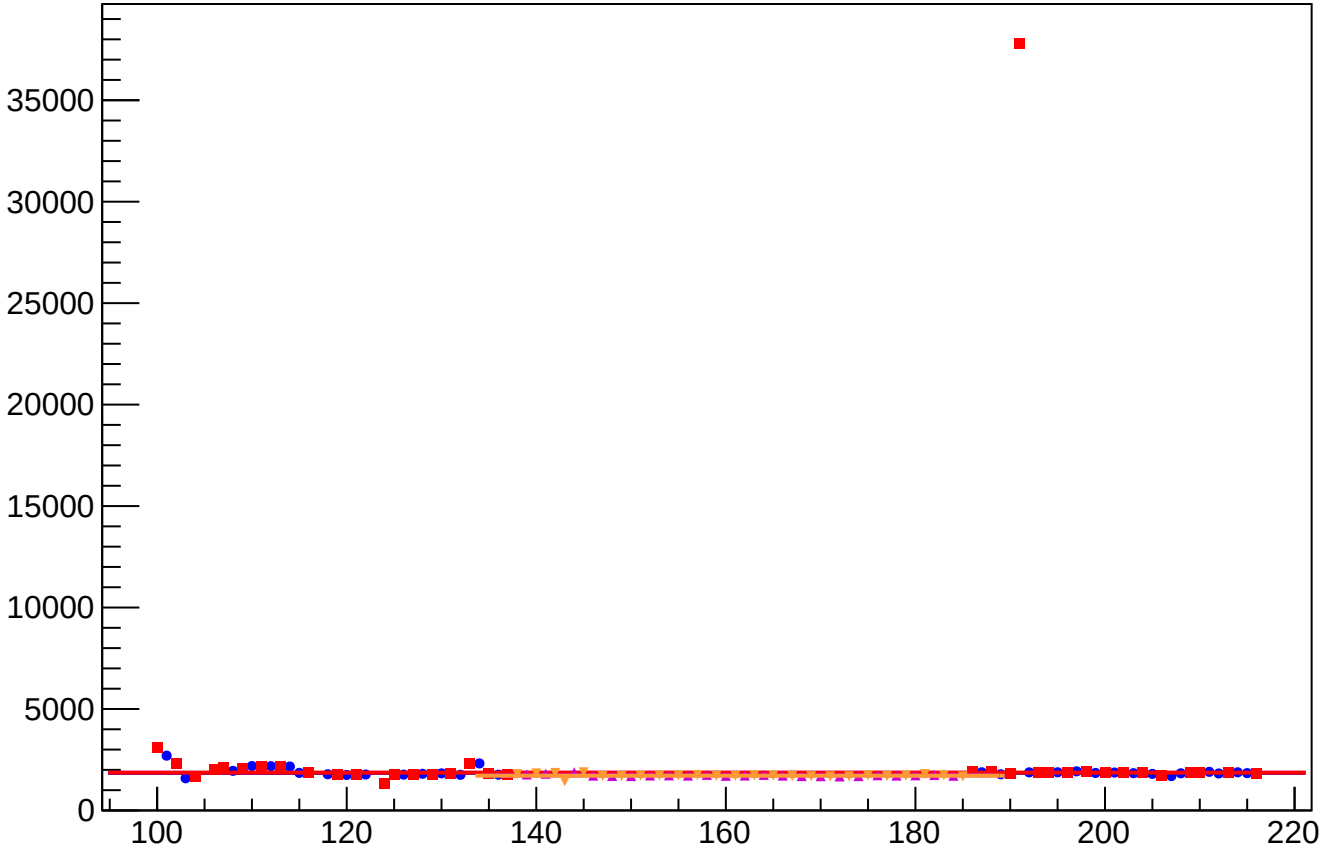
Right: -333.752+/-299.737 χ^2/NDF: 63.7/65

In: -703.183+/-292.119 χ^2/NDF:41.7/53

Out: 64.226+/-287.162 χ^2/NDF:69.6/59

All: -312.911+/-204.784 χ^2/NDF: 114.7/113

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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: 1863.870+/-0.300 χ^2/NDF: 431202.4/34

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

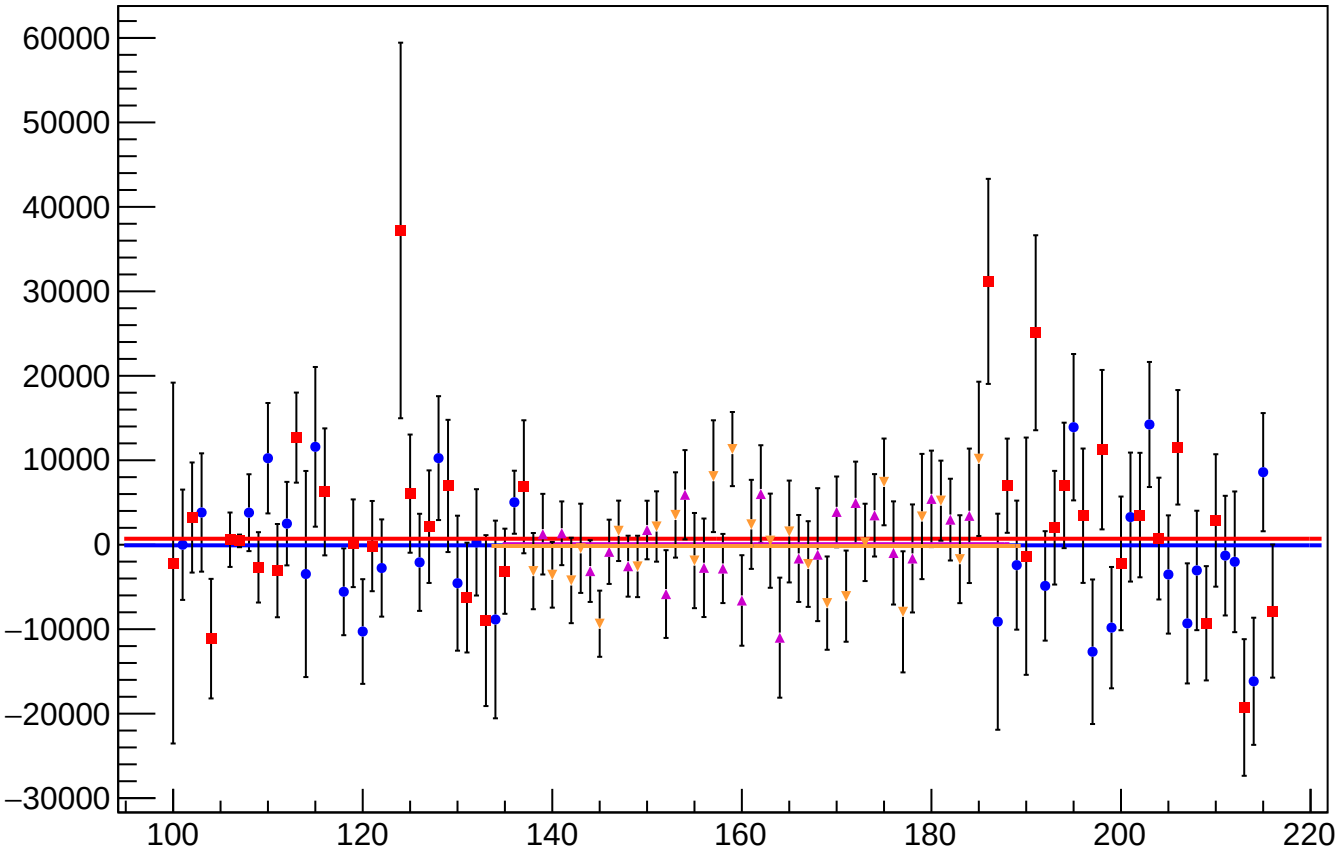
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1857.087+/-0.212 χ^2/NDF: 713377.5/65

In: 1787.669+/-0.207 χ^2/NDF:388490.1/53

Out: 1781.495+/-0.203 χ^2/NDF:663864.7/59

All: 1784.529+/-0.145 χ^2/NDF: 1052809.2/11



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: 709.639+/-623.817 χ^2/NDF: 43.6/34

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

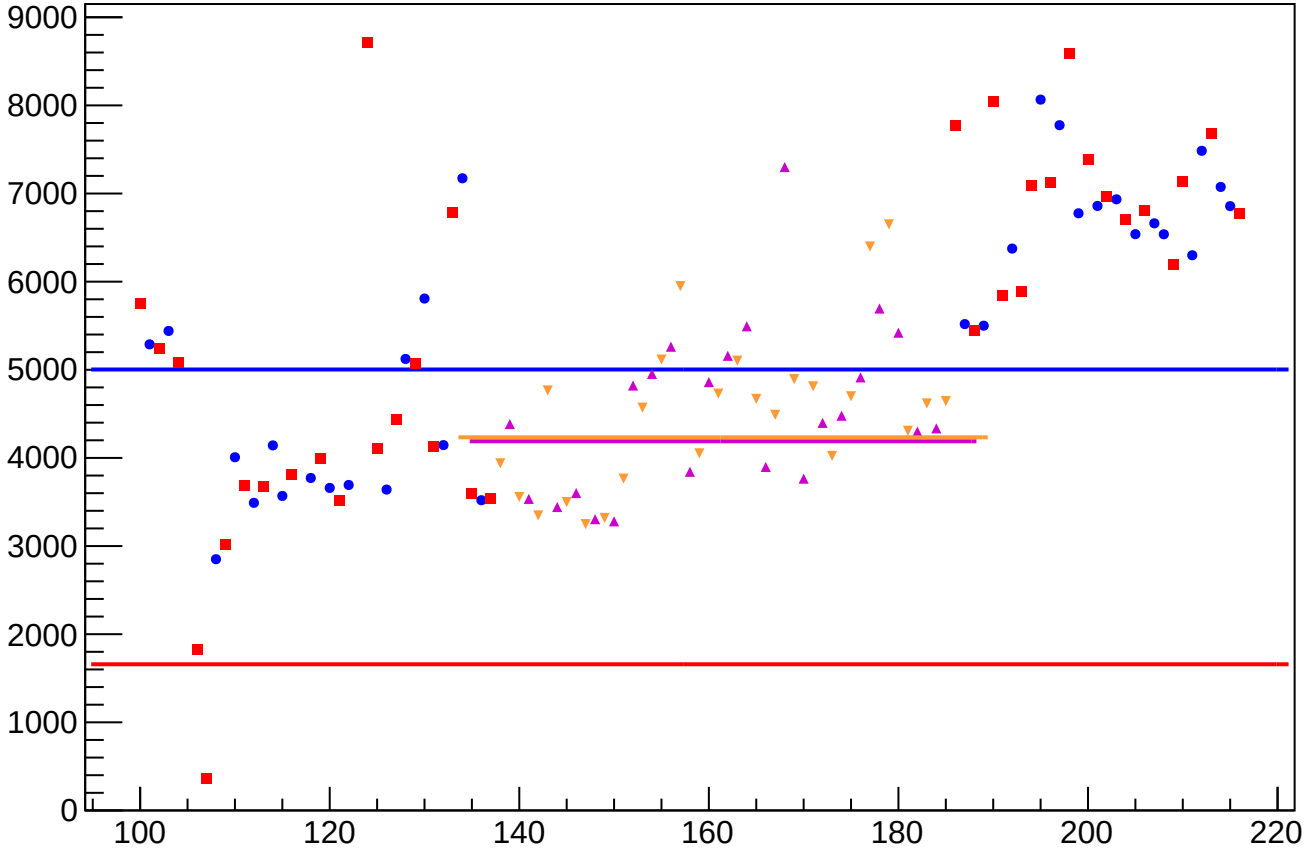
Right: 542.825+/-553.134 χ^2/NDF: 78.2/65

In: 9.285+/-767.303 χ^2/NDF:48.3/53

Out: 463.496+/-527.014 χ^2/NDF:71.0/59

All: 317.905+/-434.415 χ^2/NDF: 119.6/113

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



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: 1658.708+/-0.441 χ^2/NDF: 25156143.5/34

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

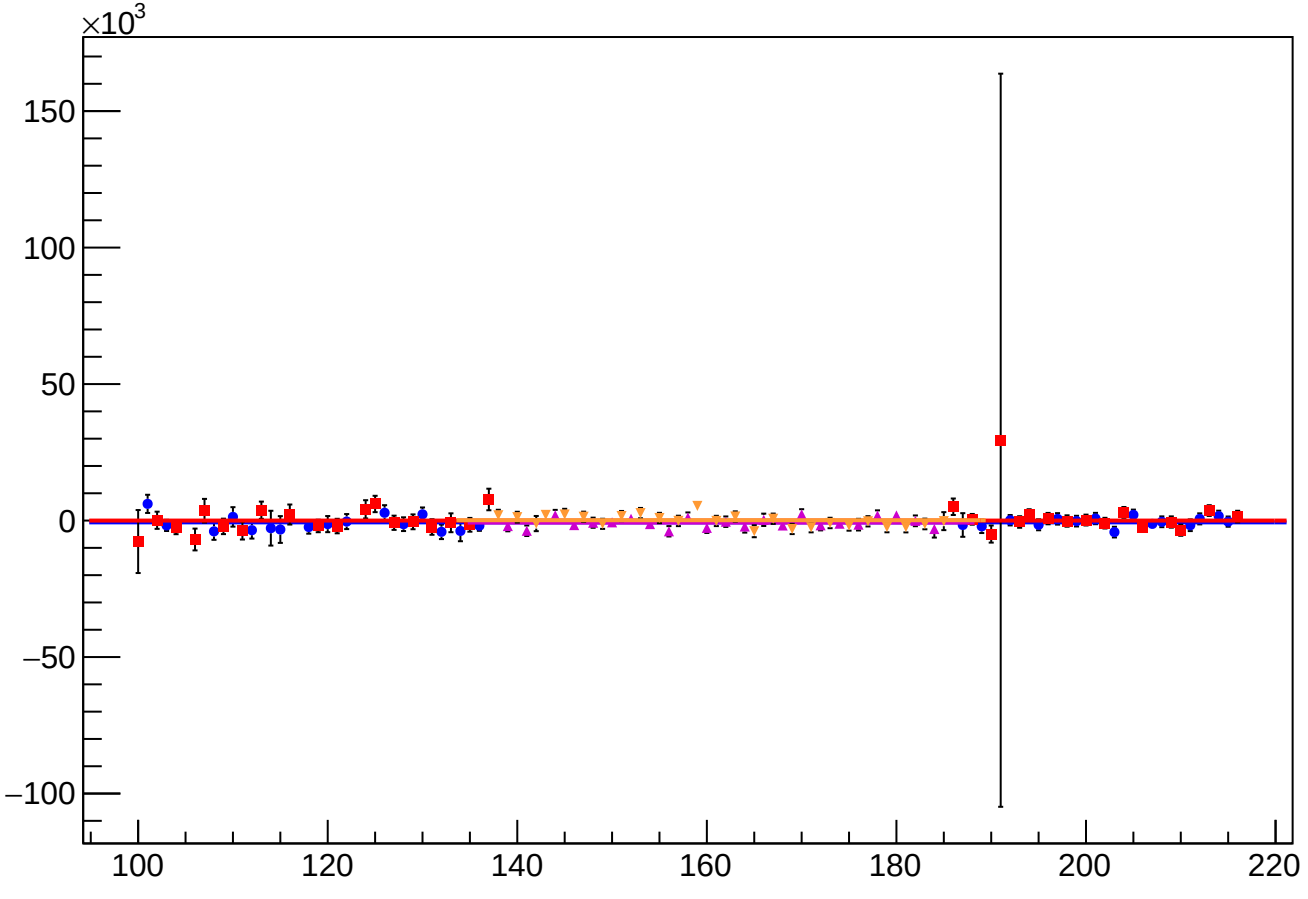
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2373.725+/-0.391 χ^2/NDF: 40835823.8/65

In: 4523.949+/-0.543 χ^2/NDF:5278957.2/53

Out: 2395.926+/-0.373 χ^2/NDF:36198066.4/59

All: 3078.034+/-0.307 χ^2/NDF: 51929402.1/1



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: -2.173+/-425.094 χ^2/NDF: 39.8/34

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

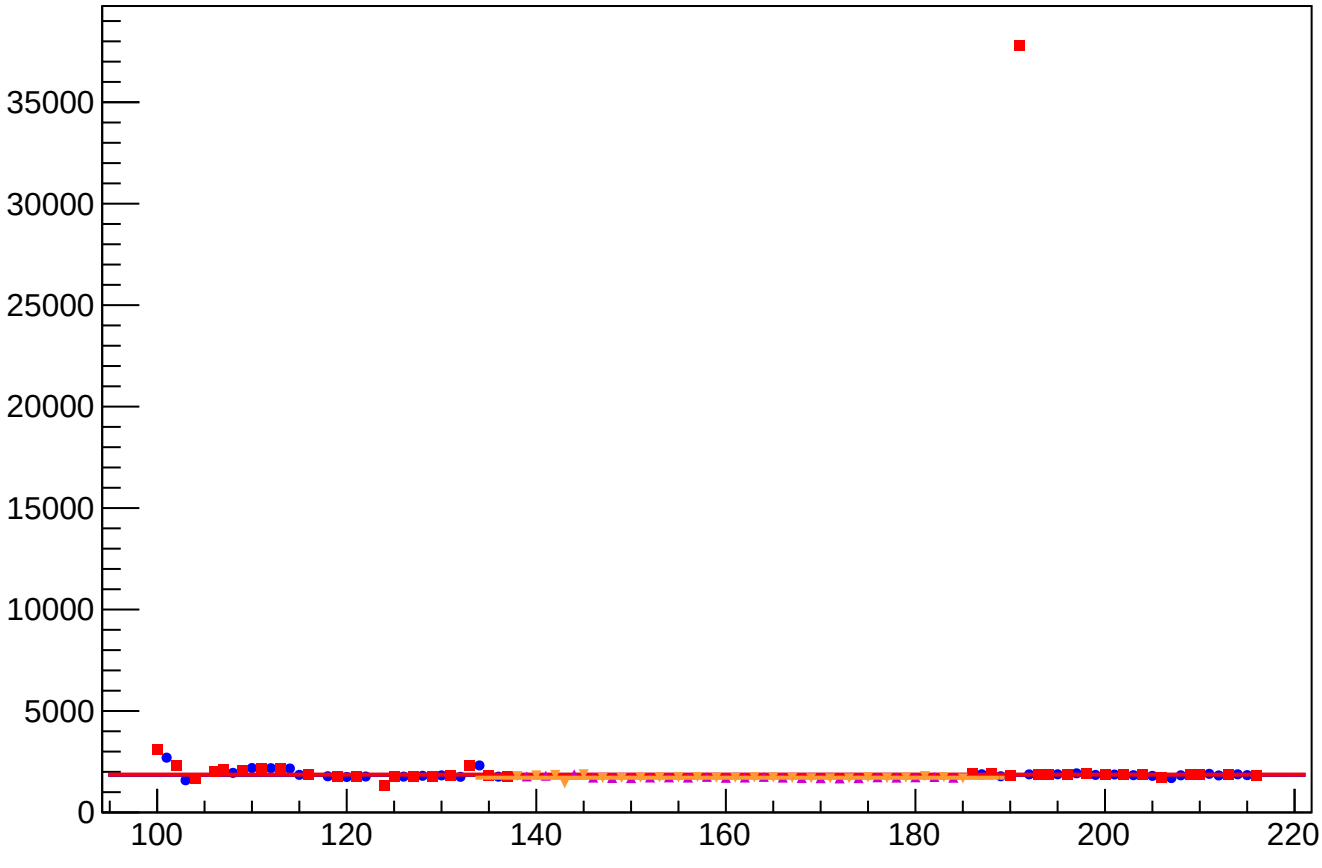
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -333.751+/-299.737 χ^2/NDF: 63.7/65

In: -703.182+/-292.119 χ^2/NDF:41.7/53

Out: 64.227+/-287.162 χ^2/NDF:69.6/59

All: -312.910+/-204.784 χ^2/NDF: 114.7/113



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: 1863.870+/-0.300 χ^2/NDF: 431202.6/34

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

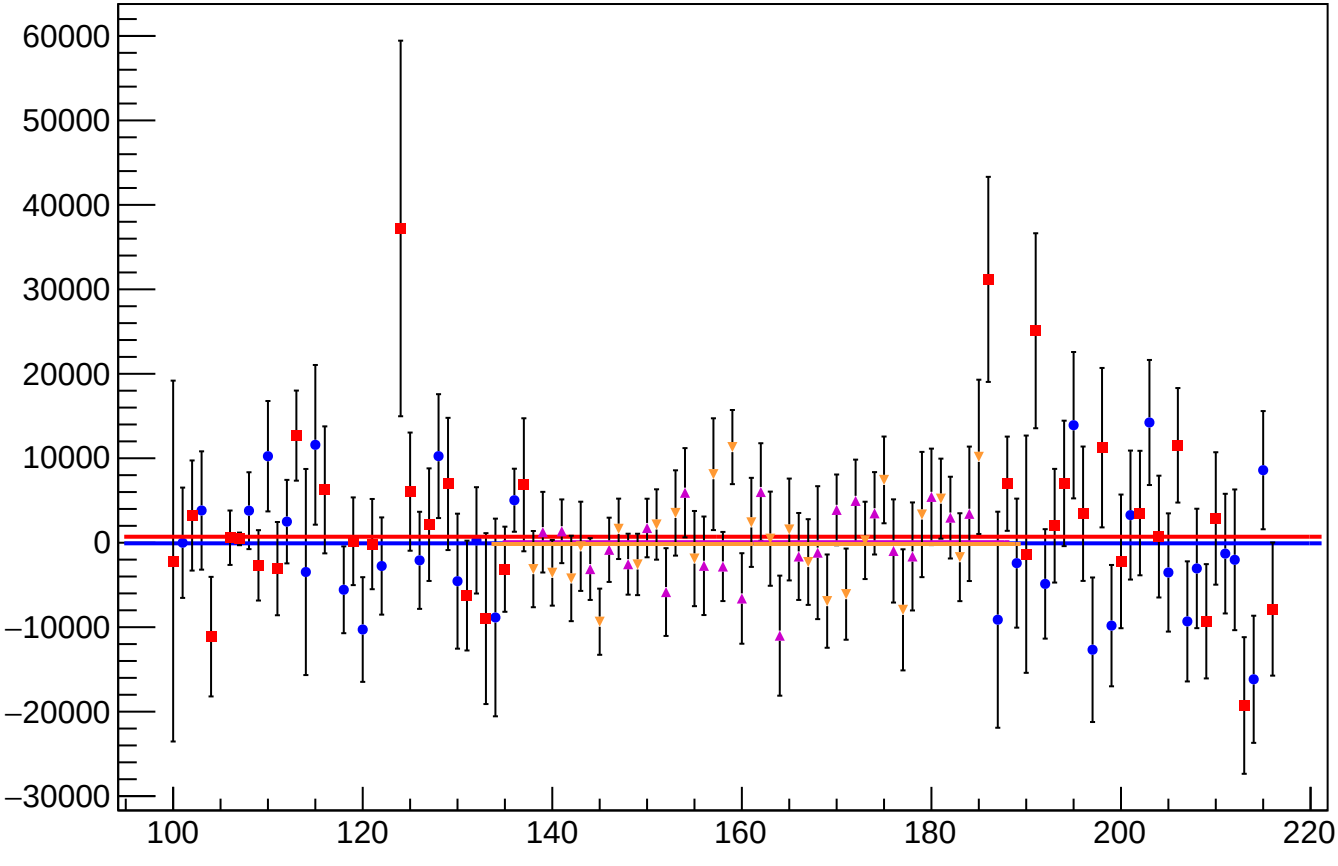
Right: 1857.087+/-0.212 χ^2/NDF: 713377.7/65

In: 1787.669+/-0.207 χ^2/NDF:388489.2/53

Out: 1781.495+/-0.203 χ^2/NDF:663863.1/59

All: 1784.529+/-0.145 χ^2/NDF: 1052806.8/11

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: 709.652+/-623.826 χ^2/NDF: 43.6/34

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

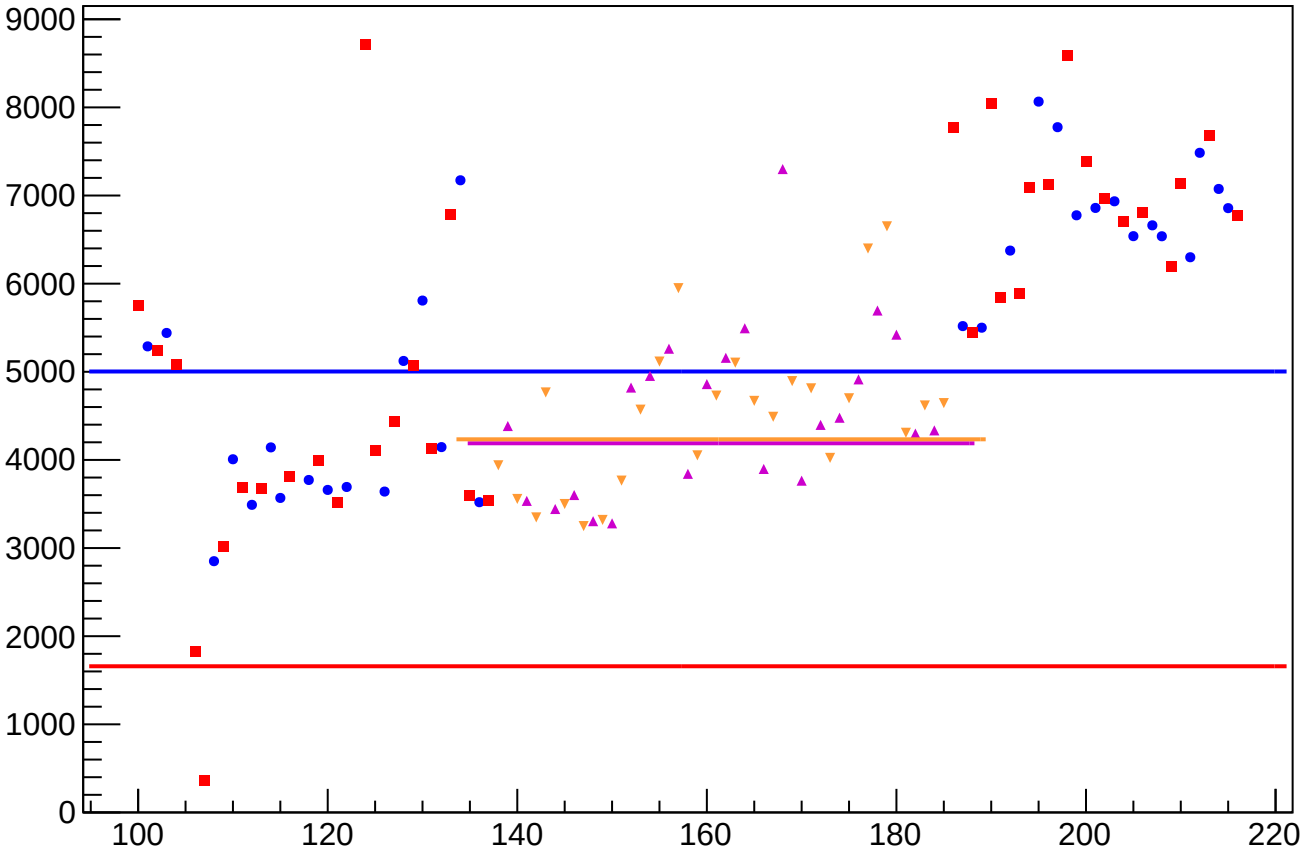
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 542.829+/-553.140 χ^2/NDF: 78.2/65

In: 9.282+/-767.304 χ^2/NDF:48.3/53

Out: 463.501+/-527.020 χ^2/NDF:71.0/59

All: 317.905+/-434.419 χ^2/NDF: 119.6/113



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: 1658.752+/-0.441 χ^2/NDF: 25155809.4/34

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

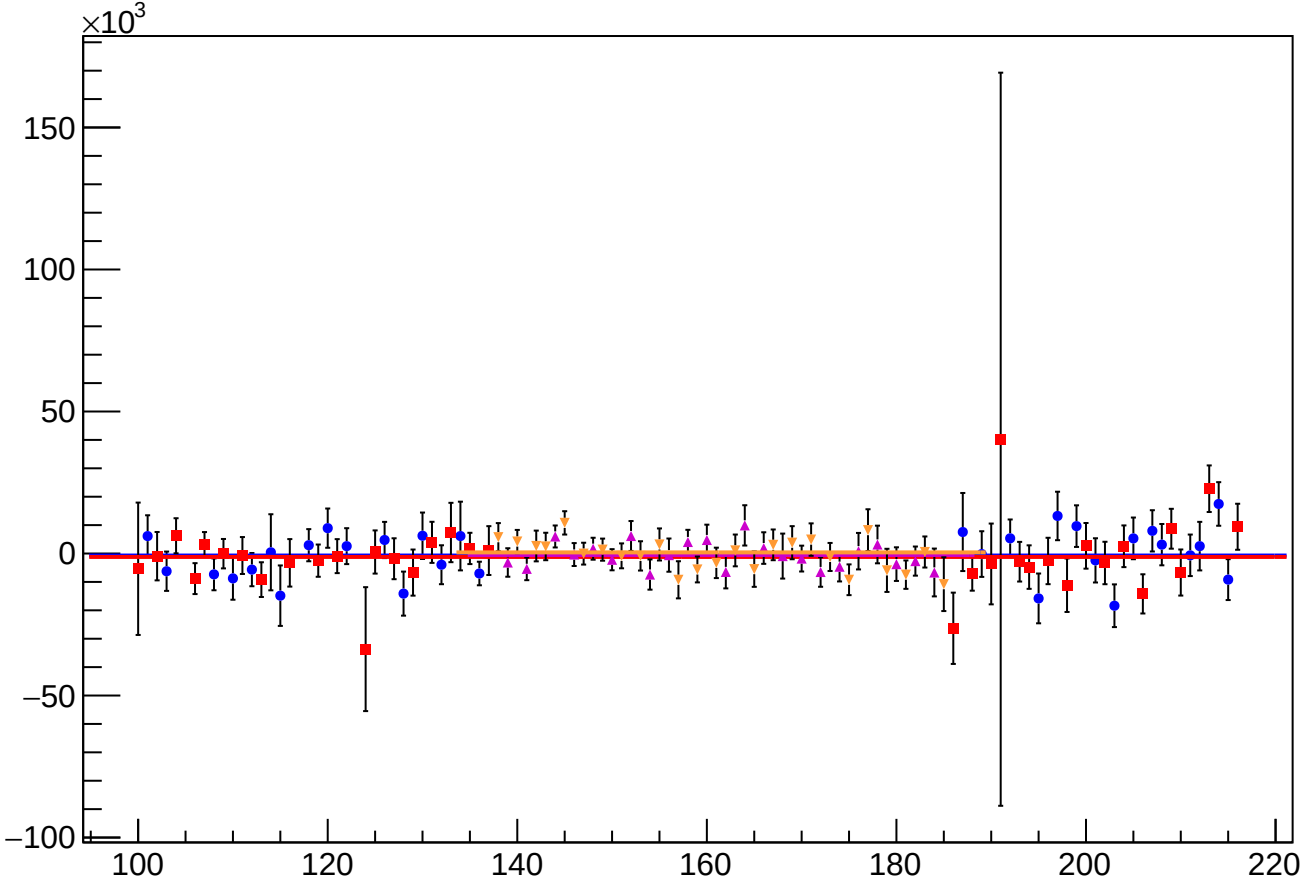
Right: 2373.776+/-0.391 χ^2/NDF: 40835091.2/65

In: 4523.952+/-0.543 χ^2/NDF:5278974.5/53

Out: 2395.974+/-0.373 χ^2/NDF:36197340.5/59

All: 3078.076+/-0.307 χ^2/NDF: 51928169.6/

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: -1202.605+/-1230.410 χ^2/NDF: 34.1/34

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

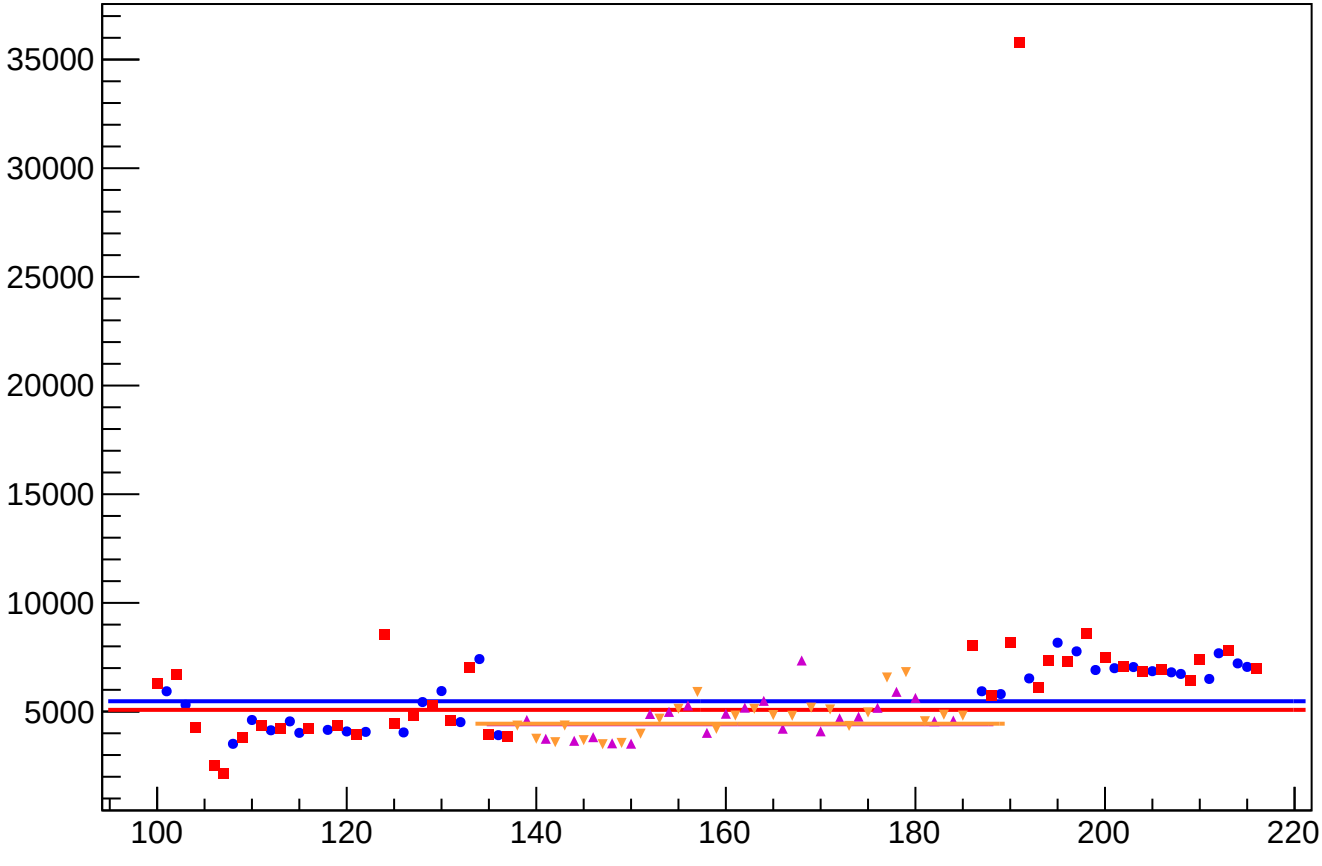
Right: -969.246+/-890.492 χ^2/NDF: 74.6/65

In: -586.449+/-814.298 χ^2/NDF:57.8/53

Out: -260.119+/-789.087 χ^2/NDF:59.9/59

All: -418.154+/-566.672 χ^2/NDF: 117.7/113

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: 5077.596+/-0.865 χ^2/NDF: 4301060.3/34

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

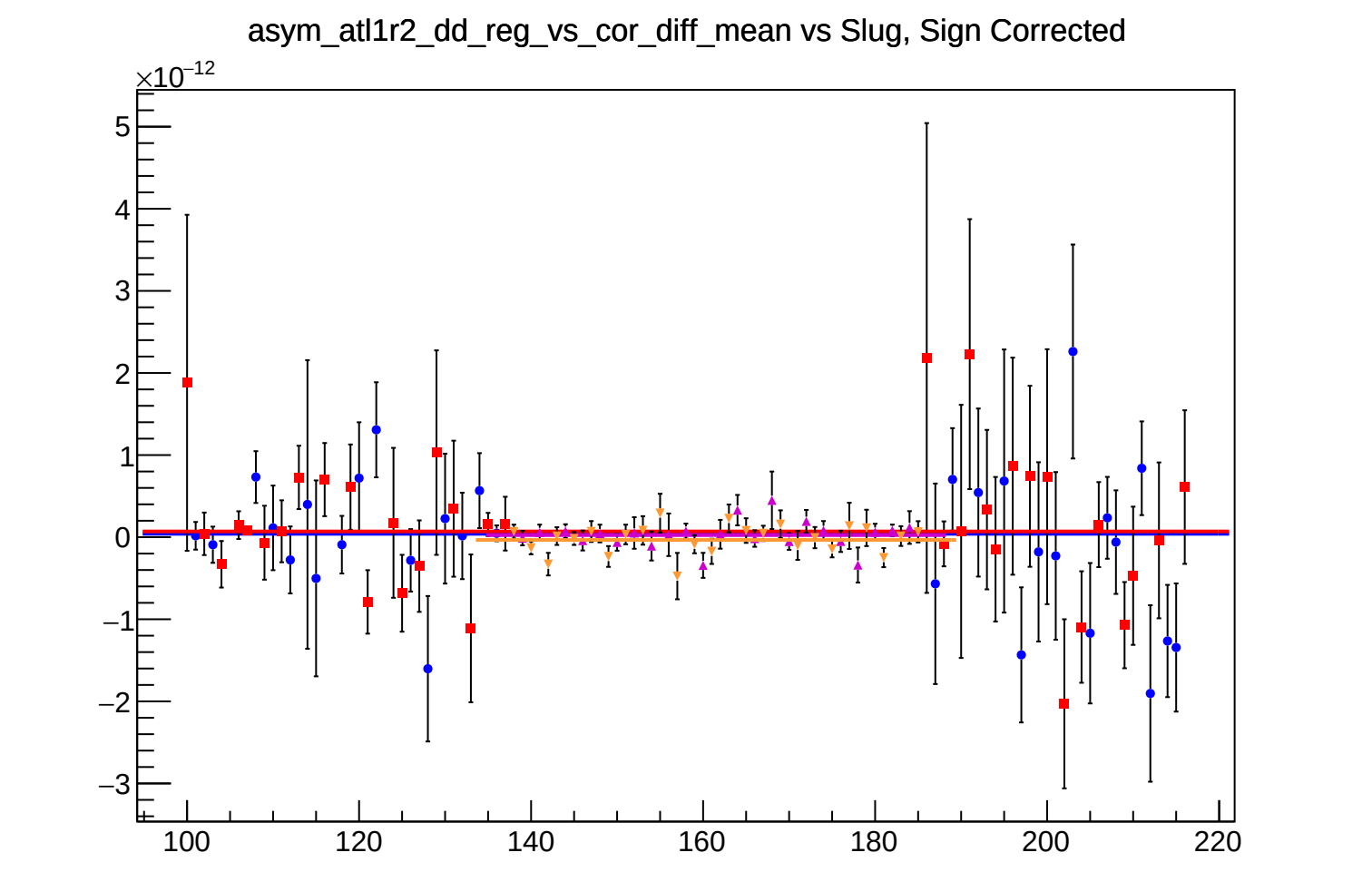
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 5265.362+/-0.628 χ^2/NDF: 6802457.4/65

In: 4837.123+/-0.576 χ^2/NDF:4323937.5/53

Out: 4704.669+/-0.557 χ^2/NDF:5691900.1/59

All: 4768.641+/-0.400 χ^2/NDF: 10043196.9/1



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: 36.4/34

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

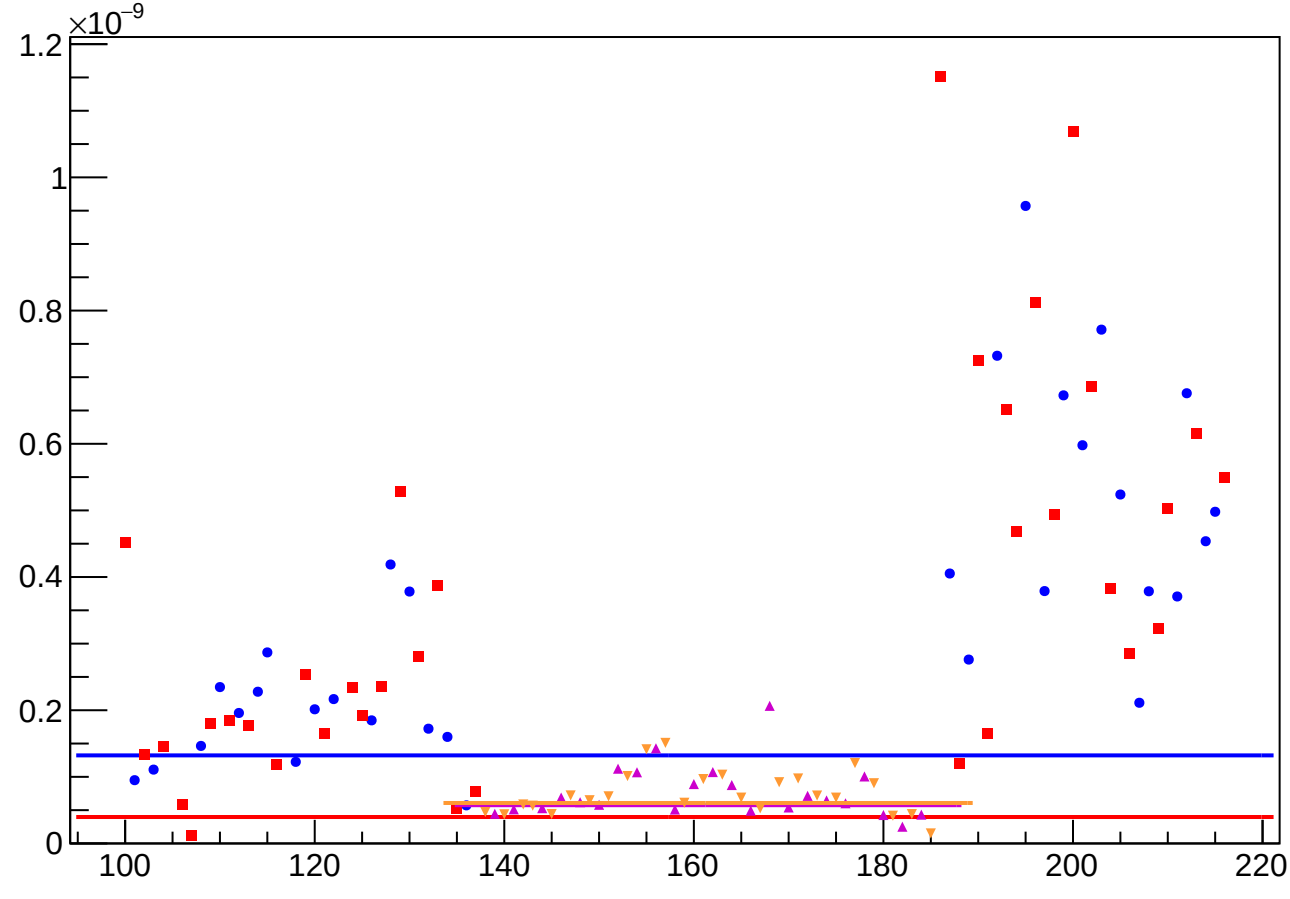
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 76.3/65

In: 0.000+/-0.000 χ^2/NDF:59.1/53

Out: 0.000+/-0.000 χ^2/NDF:71.3/59

All: 0.000+/-0.000 χ^2/NDF: 130.9/113



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: 12866099.5/34

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

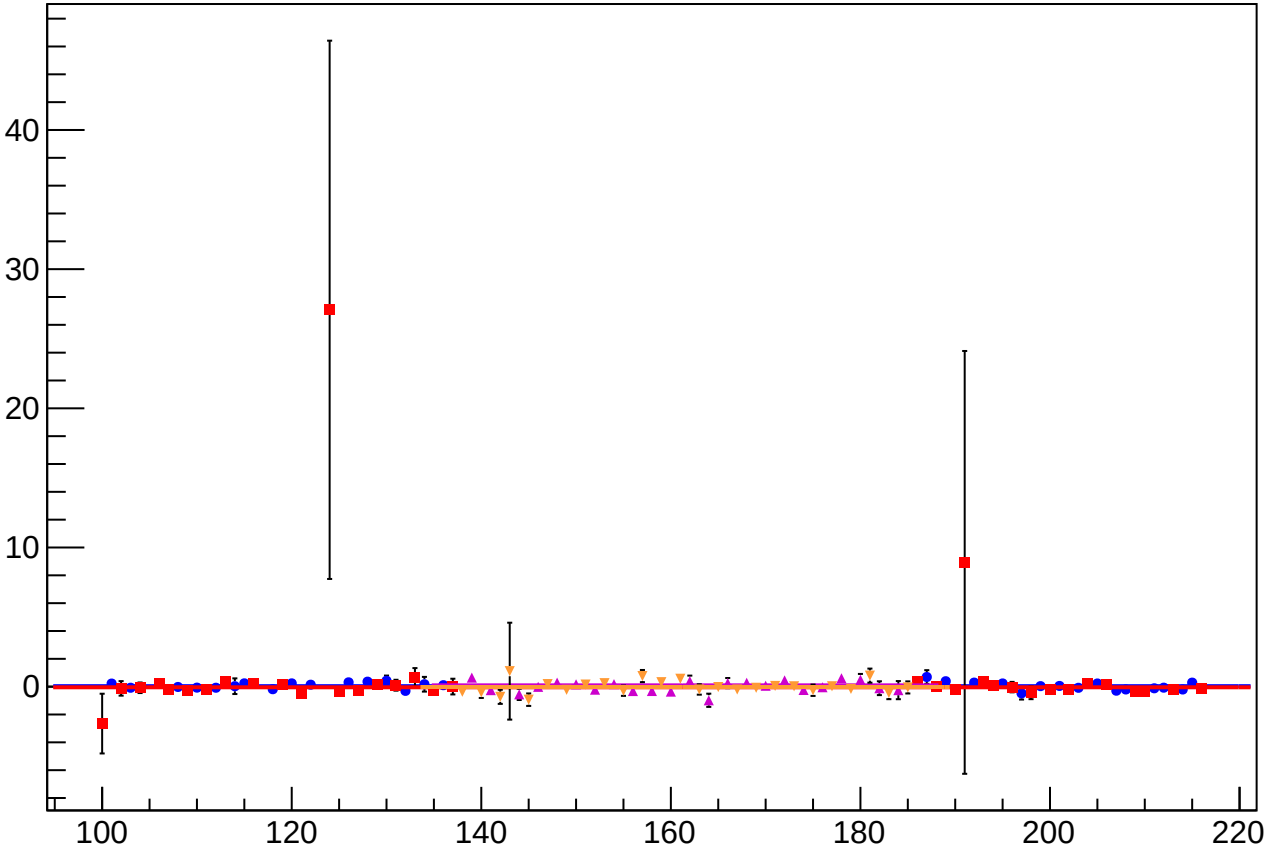
Right: 0.000+/-0.000 χ^2/NDF: 23664219.6/65

In: 0.000+/-0.000 χ^2/NDF:11752633.1/53

Out: 0.000+/-0.000 χ^2/NDF:15119172.8/59

All: 0.000+/-0.000 χ^2/NDF: 27285112.5/113

asym_atl1r2_dd_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: -0.045+/-0.042 χ^2/NDF: 36.6/34

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

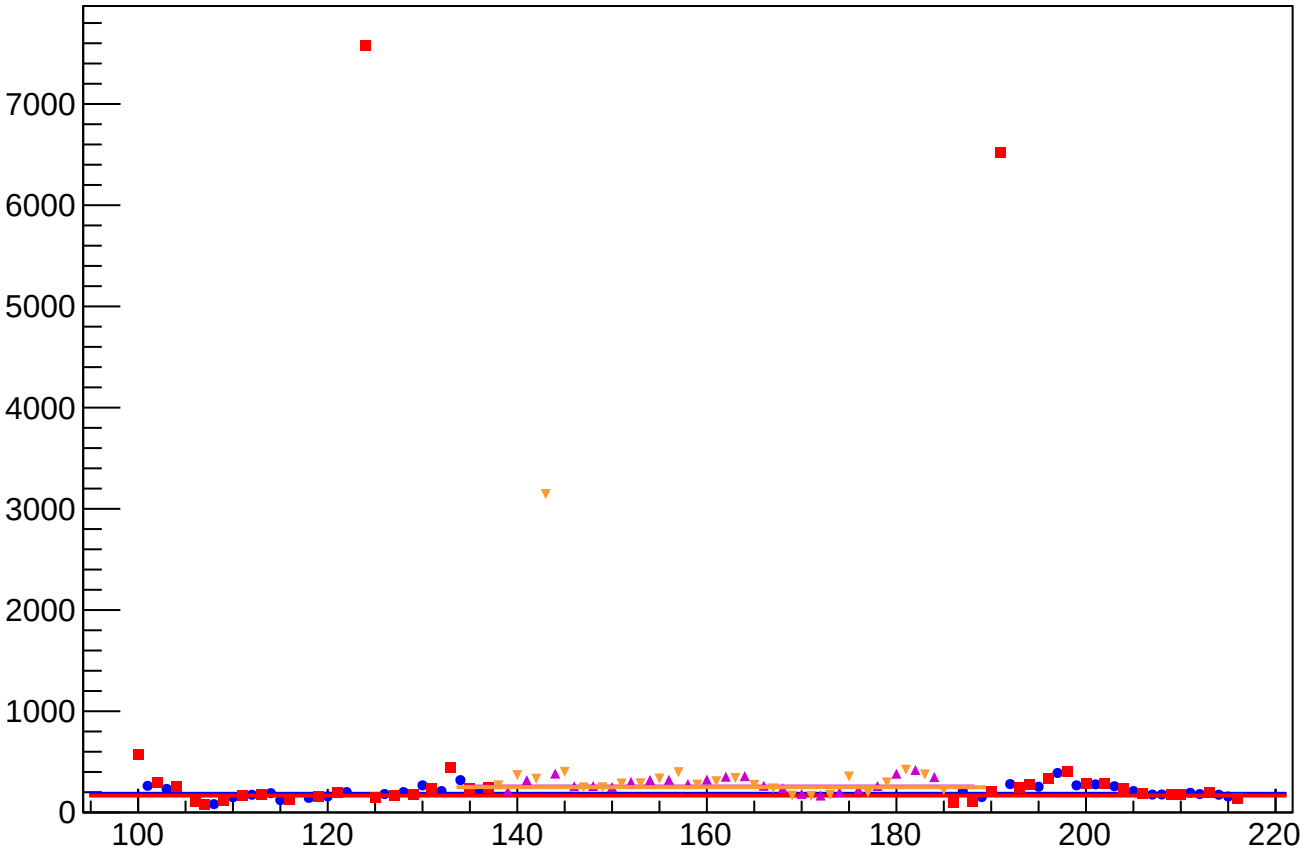
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.007+/-0.031 χ^2/NDF: 63.1/65

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.038+/-0.035 χ^2/NDF:60.2/59

All: 0.006+/-0.025 χ^2/NDF: 120.5/113



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: 166.828+/-0.030 χ^2/NDF: 5393541.8/34

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

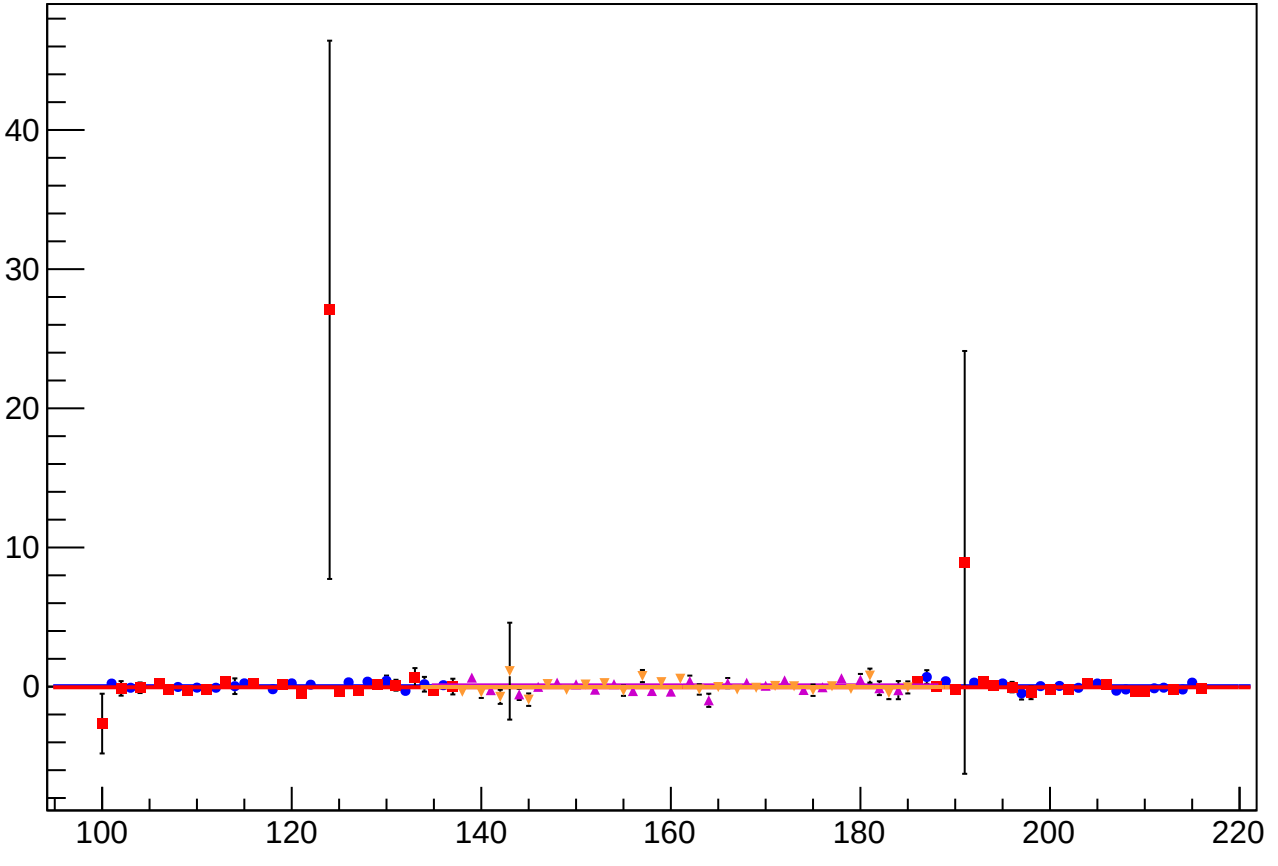
Right: 174.975+/-0.022 χ^2/NDF: 8589860.3/65

In: 208.044+/-0.026 χ^2/NDF:6841294.6/53

Out: 193.234+/-0.025 χ^2/NDF:12103827.9/59

All: 200.278+/-0.018 χ^2/NDF: 19117885.3/11

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: -0.045+/-0.042 χ^2/NDF: 36.6/34

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

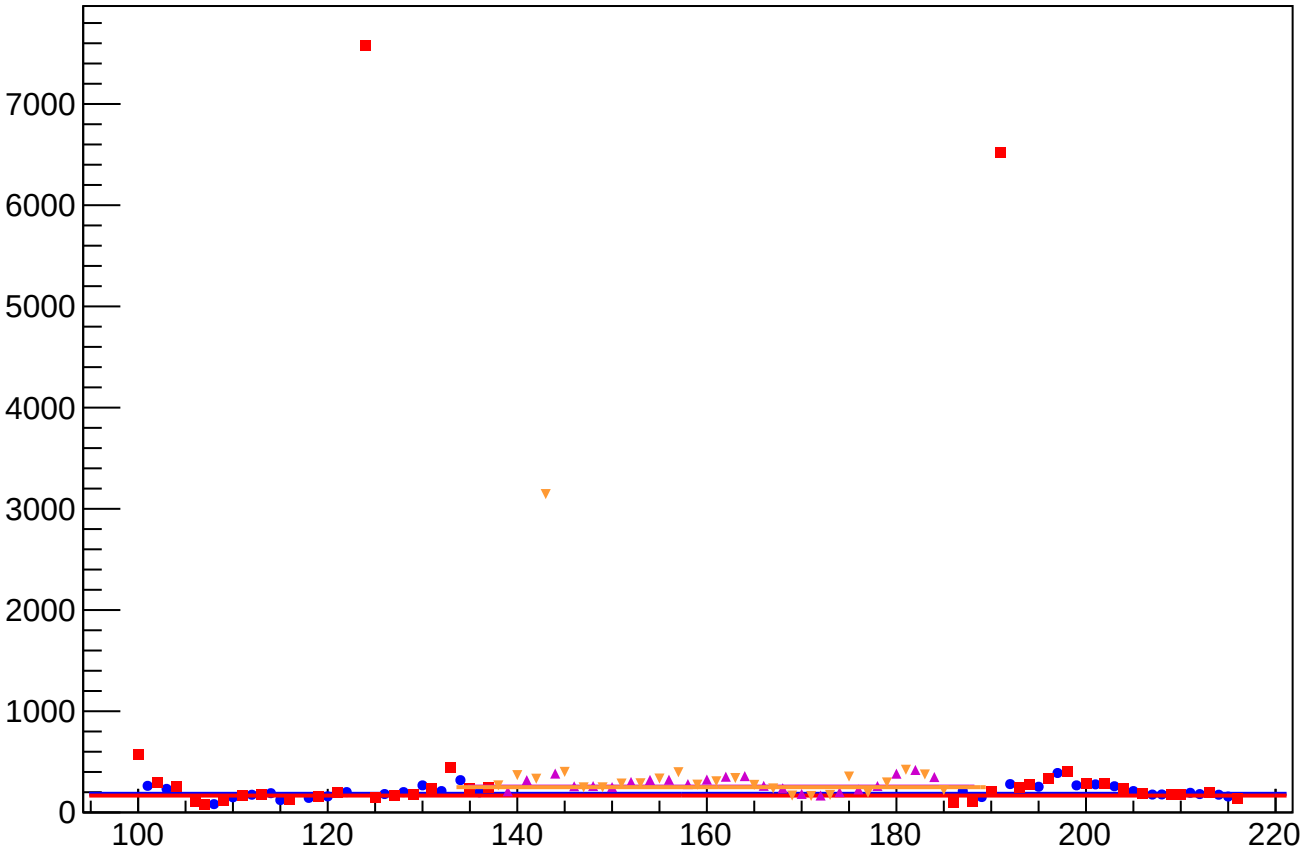
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: -0.007+/-0.031 χ^2/NDF: 63.1/65

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.038+/-0.035 χ^2/NDF:60.2/59

All: 0.006+/-0.025 χ^2/NDF: 120.5/113



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: 166.828+/-0.030 χ^2/NDF: 5393541.8/34

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

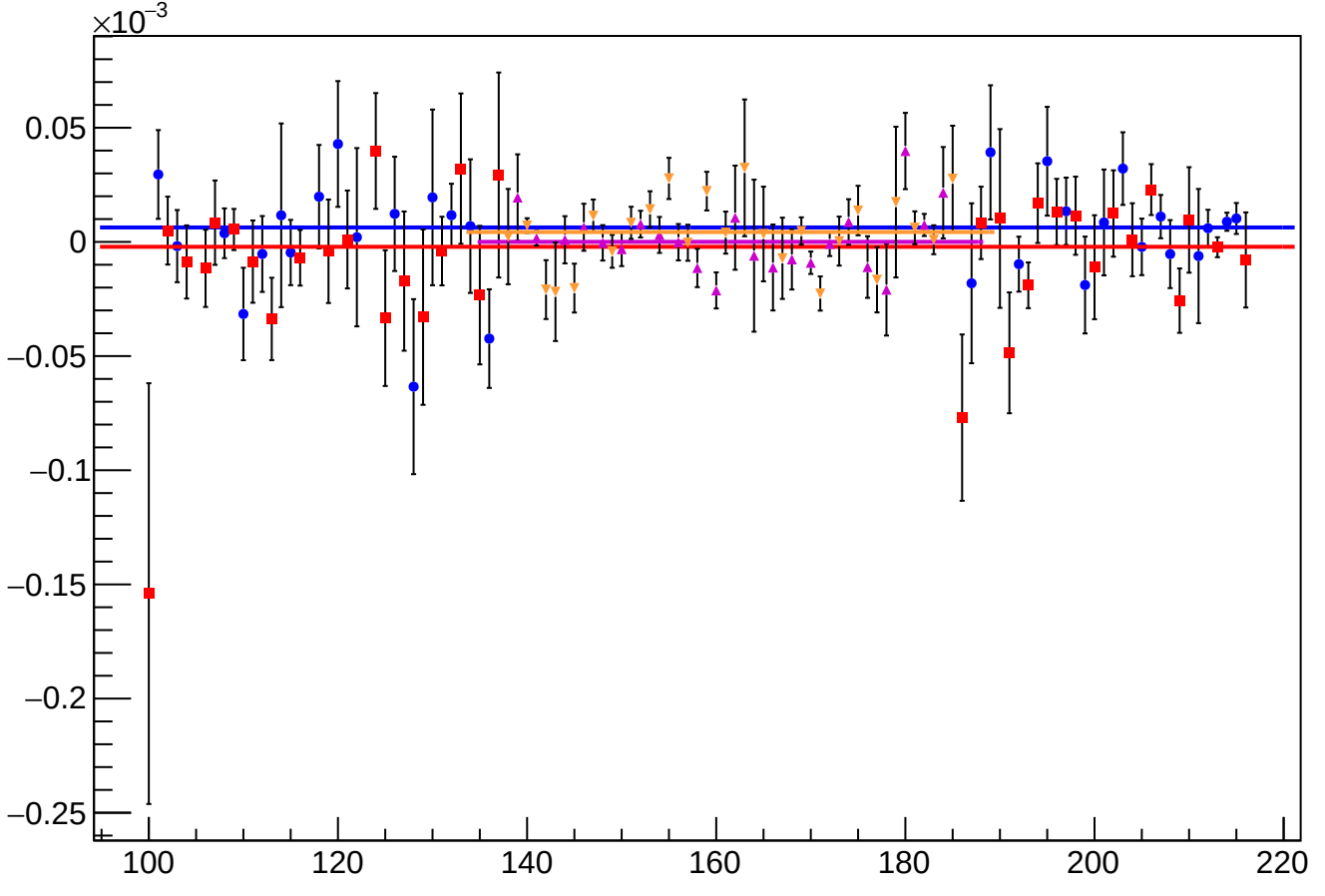
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 174.975+/-0.022 χ^2/NDF: 8589860.3/65

In: 208.044+/-0.026 χ^2/NDF:6841294.6/53

Out: 193.234+/-0.025 χ^2/NDF:12103827.9/59

All: 200.278+/-0.018 χ^2/NDF: 19117885.3/11



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: 37.2/34

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

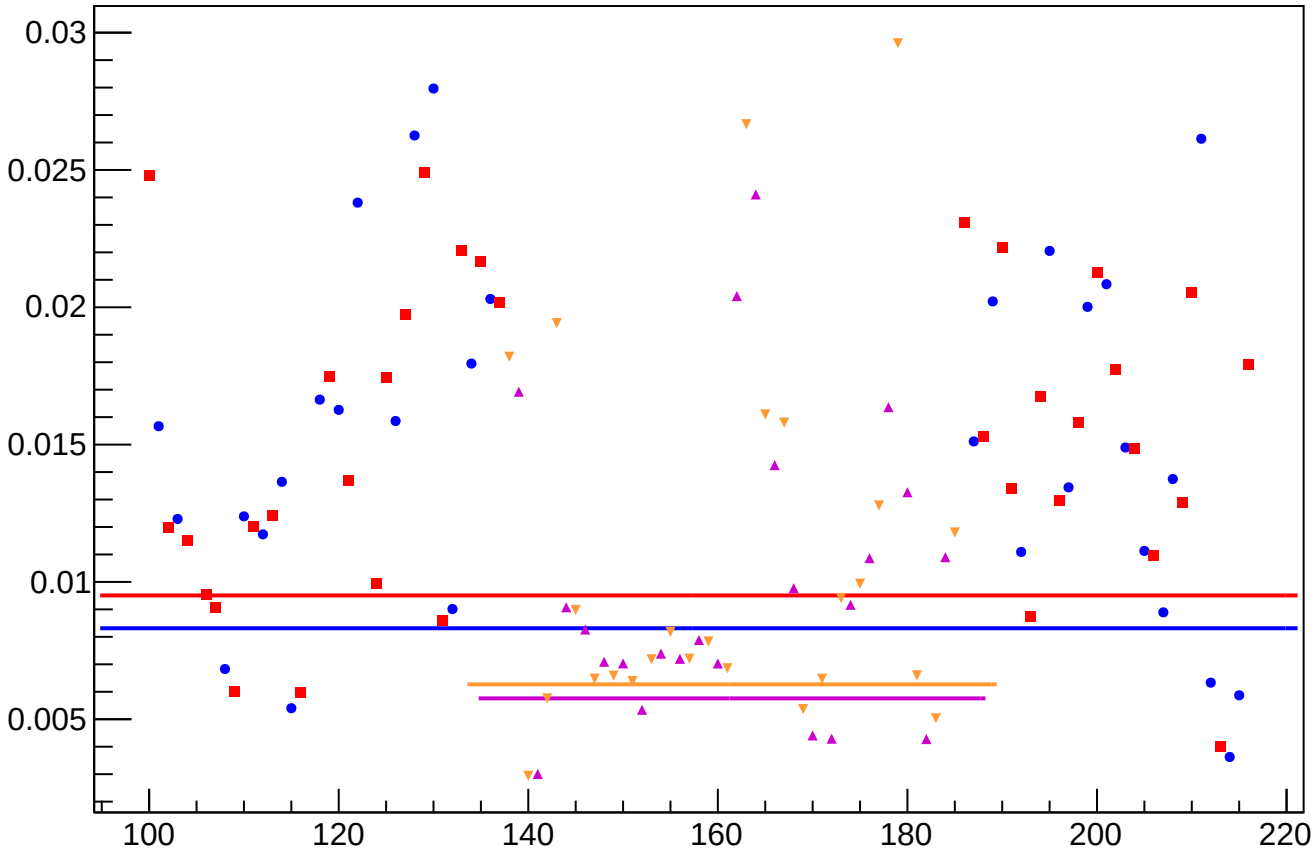
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 72.2/65

In: 0.000+/-0.000 χ^2/NDF:62.9/53

Out: 0.000+/-0.000 χ^2/NDF:88.0/59

All: 0.000+/-0.000 χ^2/NDF: 150.9/113



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: 0.010+/-0.000 χ^2/NDF: 9222614.7/34

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

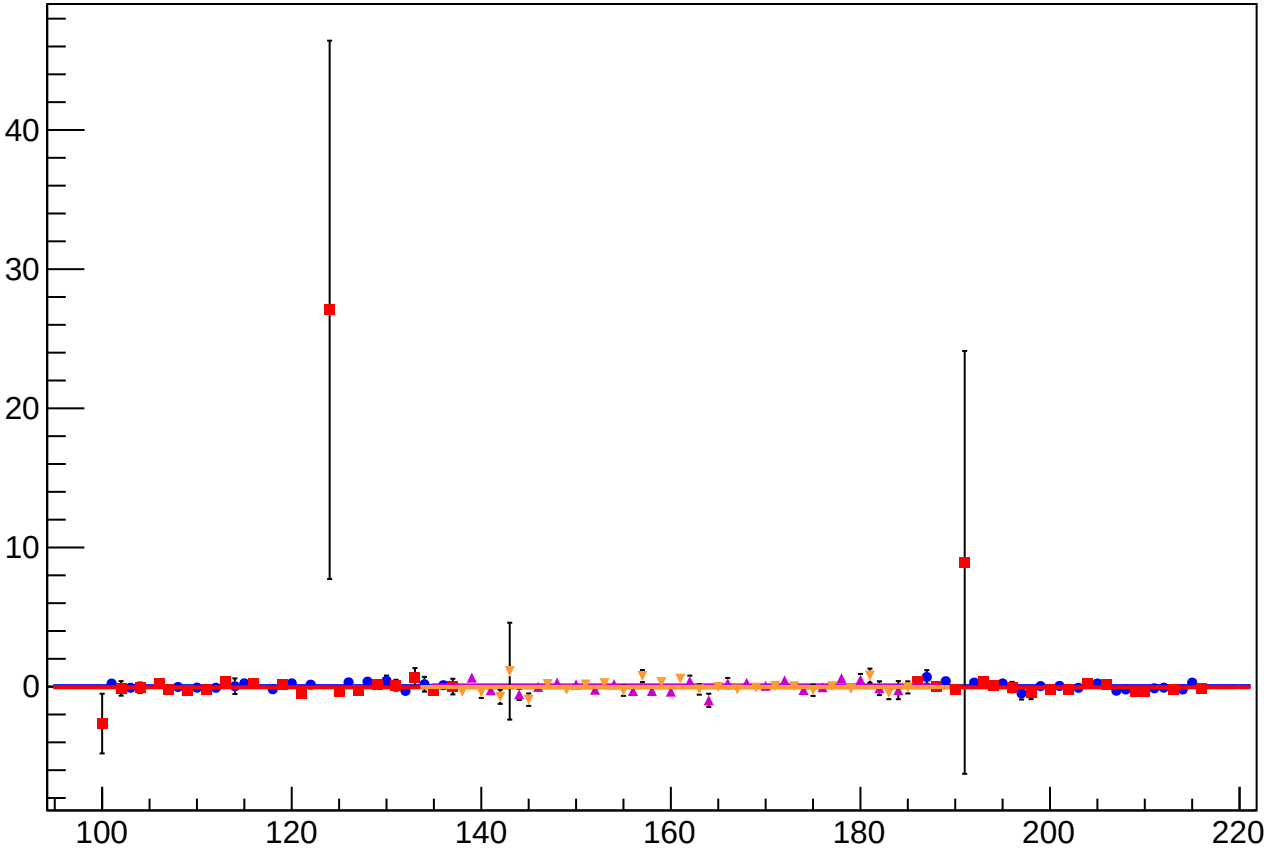
Right: 0.009+/-0.000 χ^2/NDF: 20172312.6/65

In: 0.007+/-0.000 χ^2/NDF:19457250.2/53

Out: 0.007+/-0.000 χ^2/NDF:19489387.3/59

All: 0.007+/-0.000 χ^2/NDF: 39207065.5/113

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: -0.045+/-0.042 χ^2/NDF: 36.6/34

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

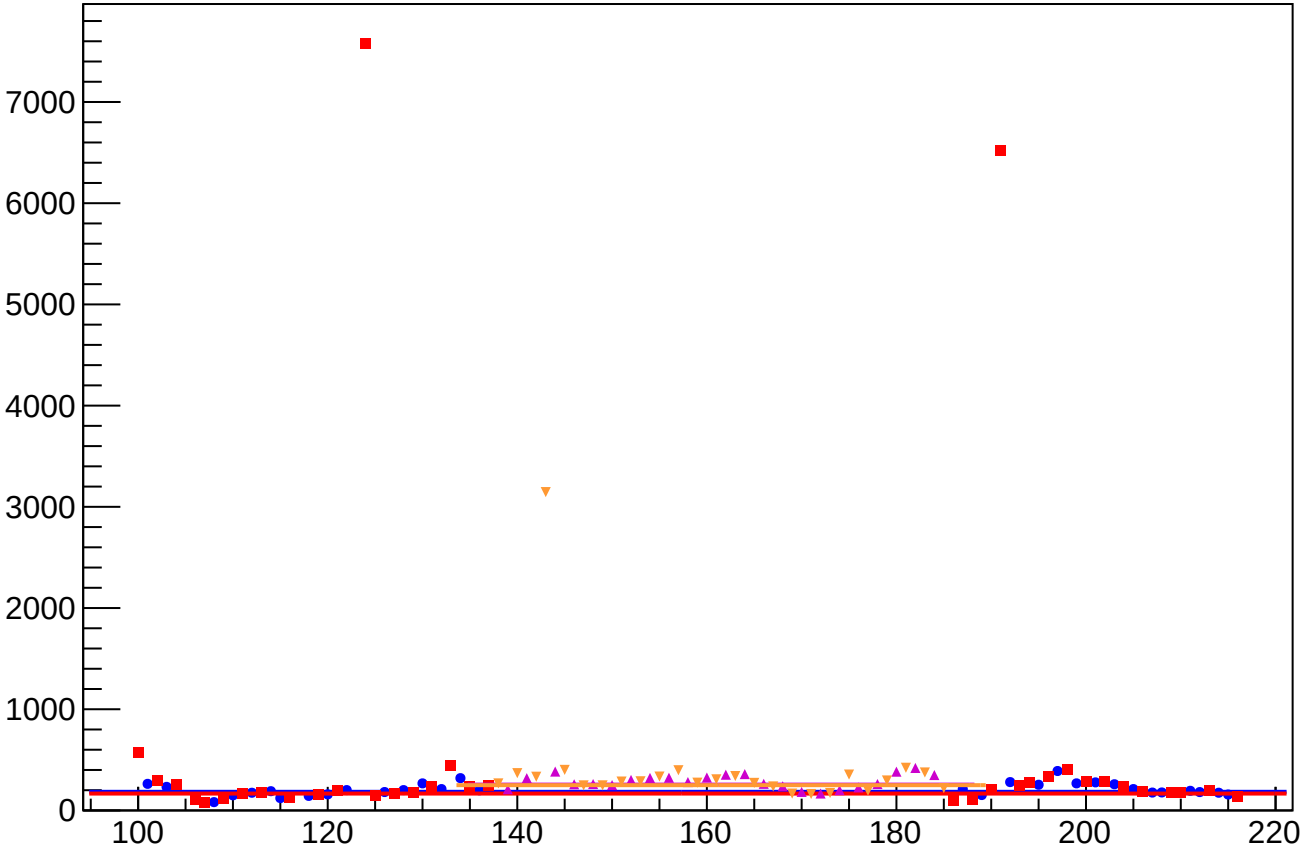
Right: -0.007+/-0.031 χ^2/NDF: 63.1/65

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.038+/-0.035 χ^2/NDF:60.2/59

All: 0.006+/-0.025 χ^2/NDF: 120.5/113

asym_atl1r2_dd_eigen_dit_vs_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: 166.830+/-0.030 χ^2/NDF: 5393392.8/34

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

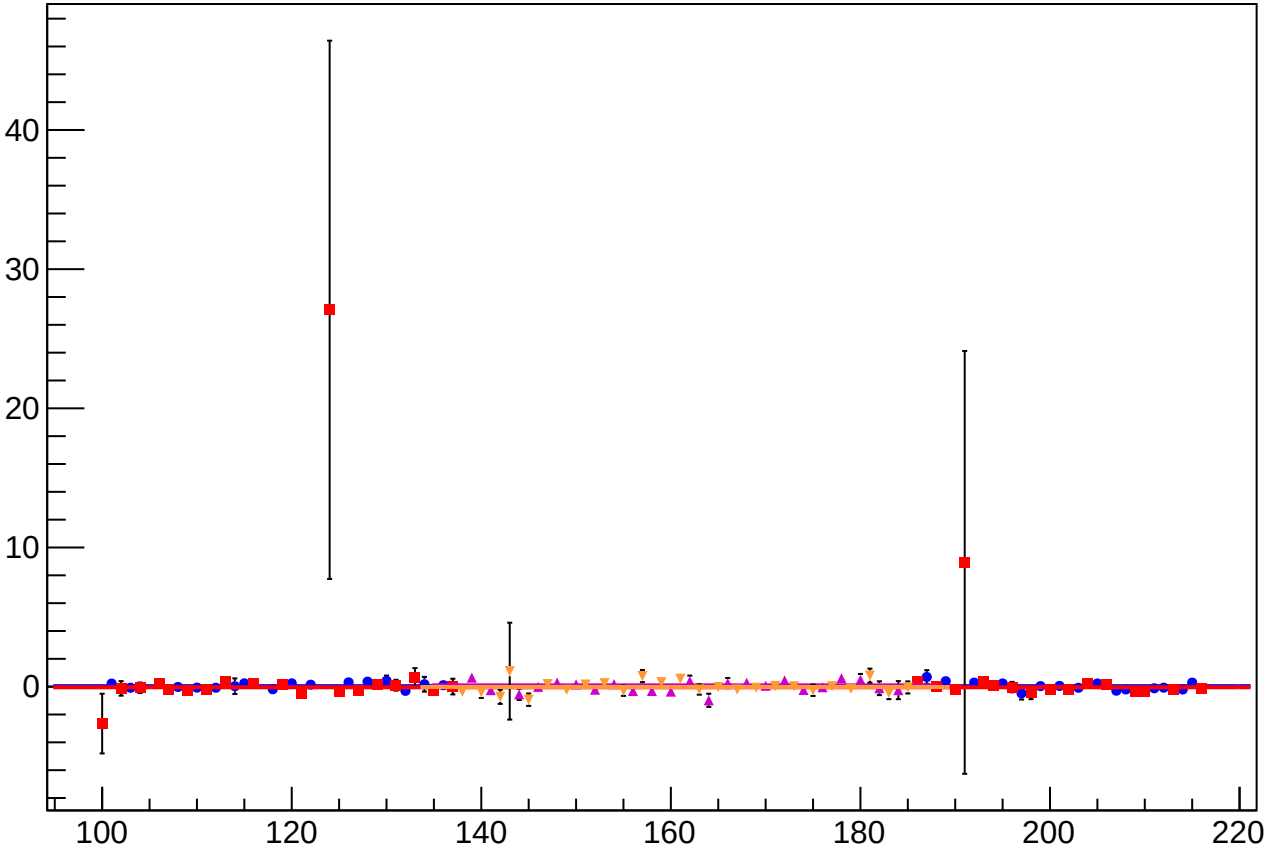
Right: 174.976+/-0.022 χ^2/NDF: 8589728.2/65

In: 208.044+/-0.026 χ^2/NDF:6841533.6/53

Out: 193.236+/-0.025 χ^2/NDF:12103700.4/59

All: 200.279+/-0.018 χ^2/NDF: 19117943.0/1

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: -0.045+/-0.042 χ^2/NDF: 36.6/34

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

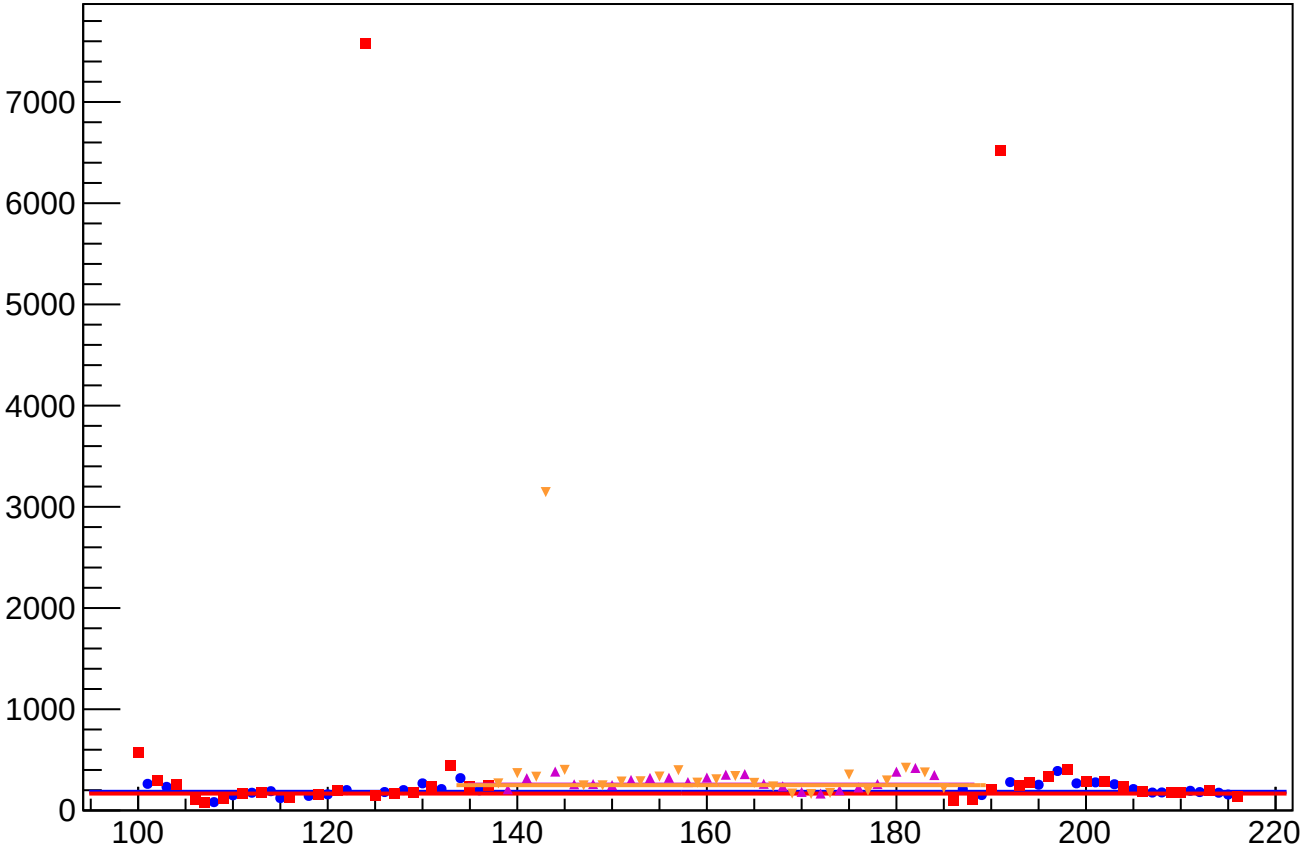
Right: -0.007+/-0.031 χ^2/NDF: 63.1/65

In: 0.056+/-0.036 χ^2/NDF:56.8/53

Out: -0.038+/-0.035 χ^2/NDF:60.2/59

All: 0.006+/-0.025 χ^2/NDF: 120.5/113

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: 166.830+/-0.030 χ^2/NDF: 5393392.8/34

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

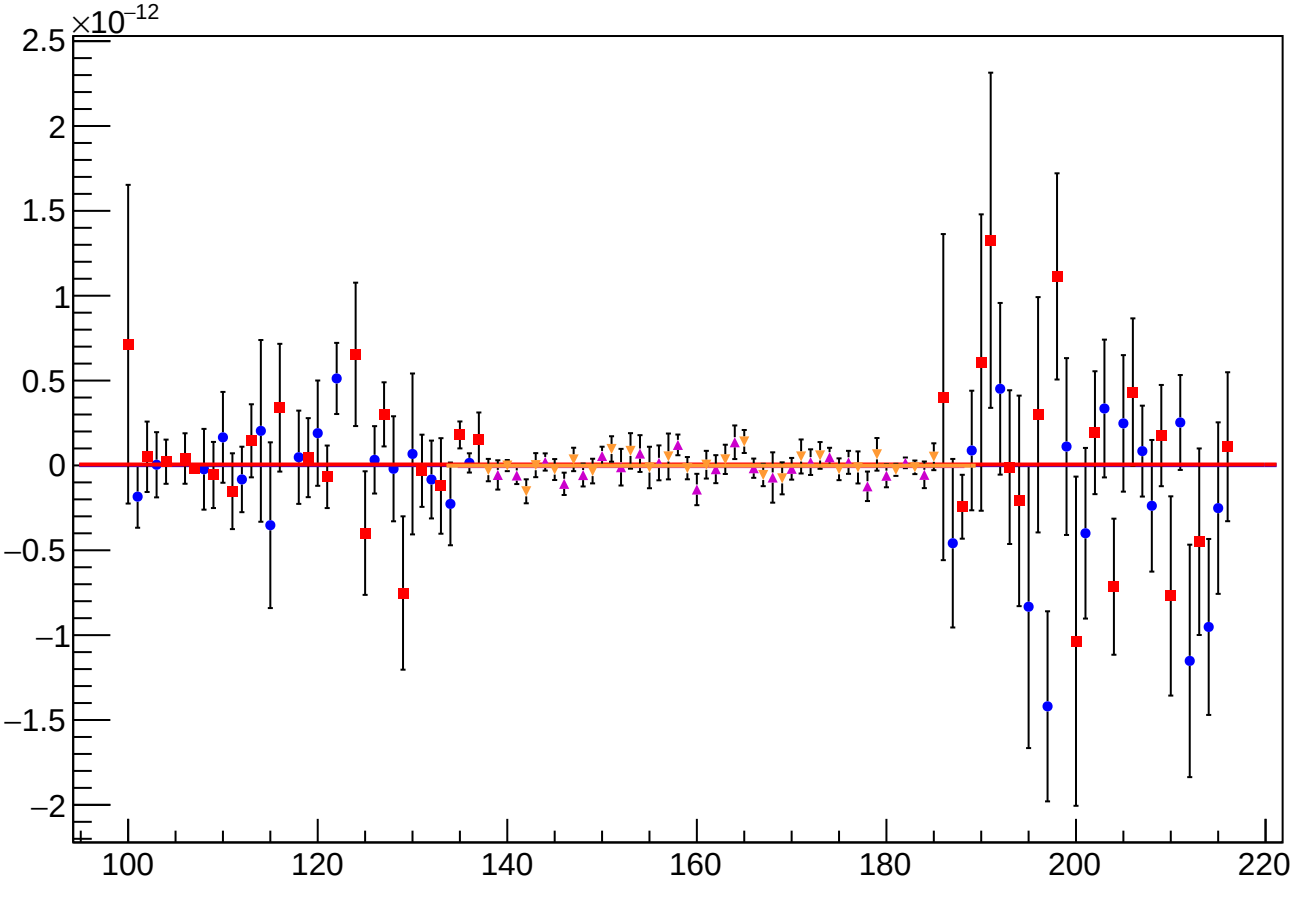
Right: 174.976+/-0.022 χ^2/NDF: 8589728.2/65

In: 208.044+/-0.026 χ^2/NDF:6841533.6/53

Out: 193.236+/-0.025 χ^2/NDF:12103700.4/59

All: 200.279+/-0.018 χ^2/NDF: 19117943.0/1

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: 34.6/34

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

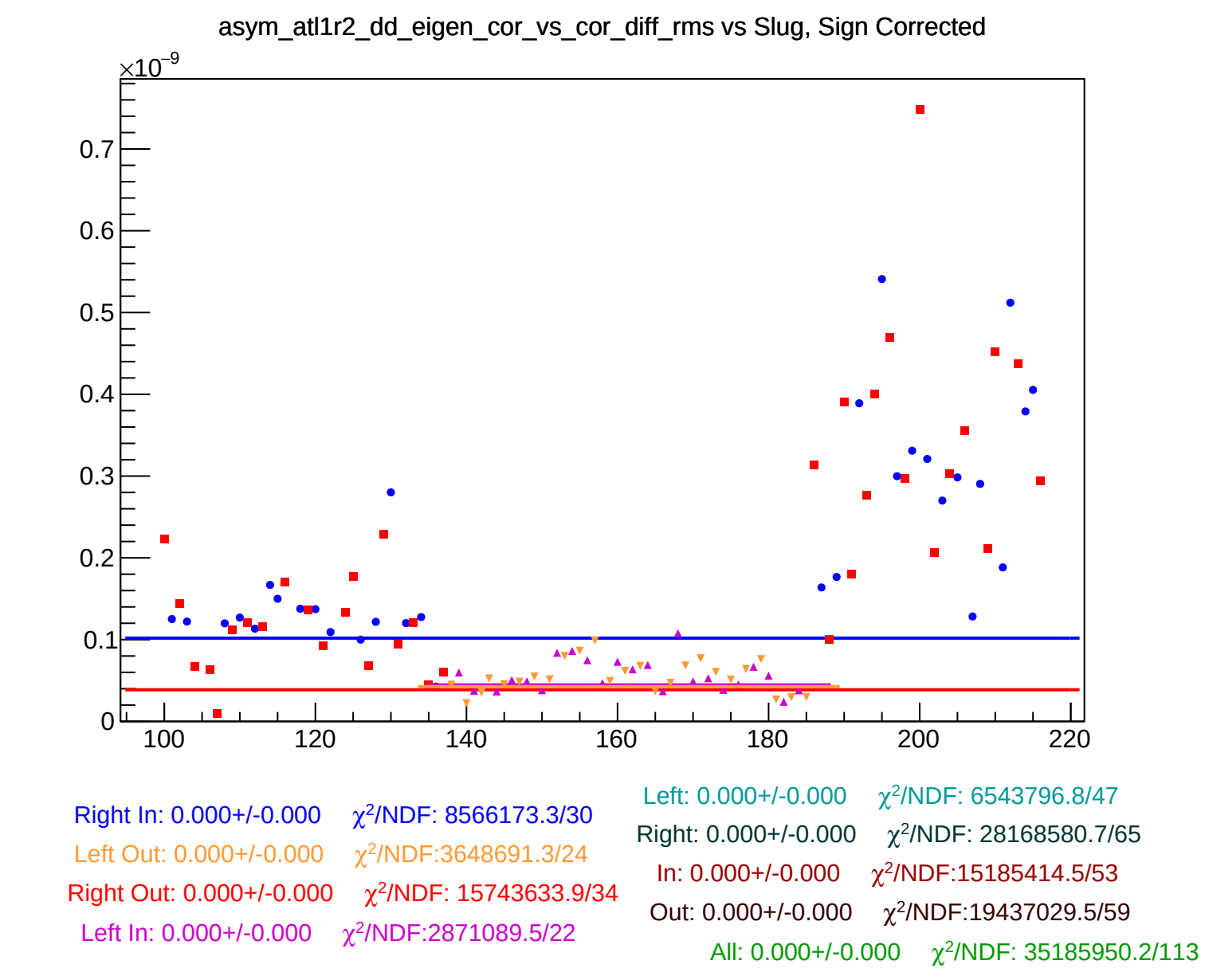
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

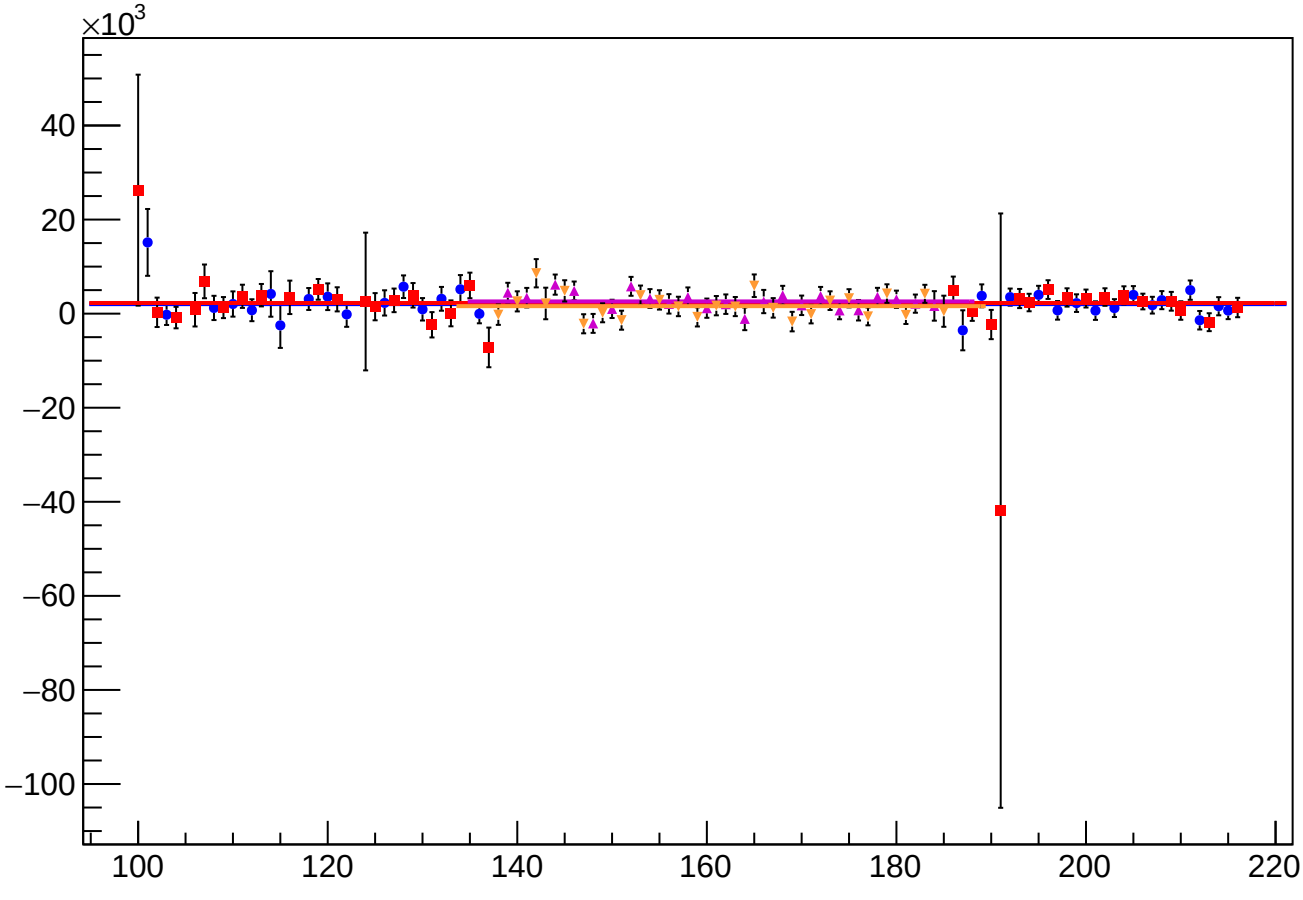
Right: 0.000+/-0.000 χ^2/NDF: 63.0/65

In: -0.000+/-0.000 χ^2/NDF:48.2/53

Out: 0.000+/-0.000 χ^2/NDF:51.0/59

All: -0.000+/-0.000 χ^2/NDF: 99.3/113


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: 15743633.9/34
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: 28168580.7/65
In: 0.000+/-0.000 χ²/NDF:15185414.5/53
Out: 0.000+/-0.000 χ²/NDF:19437029.5/59
All: 0.000+/-0.000 χ²/NDF: 35185950.2/113



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: 2264.356+/-406.187 χ^2/NDF: 32.9/34

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

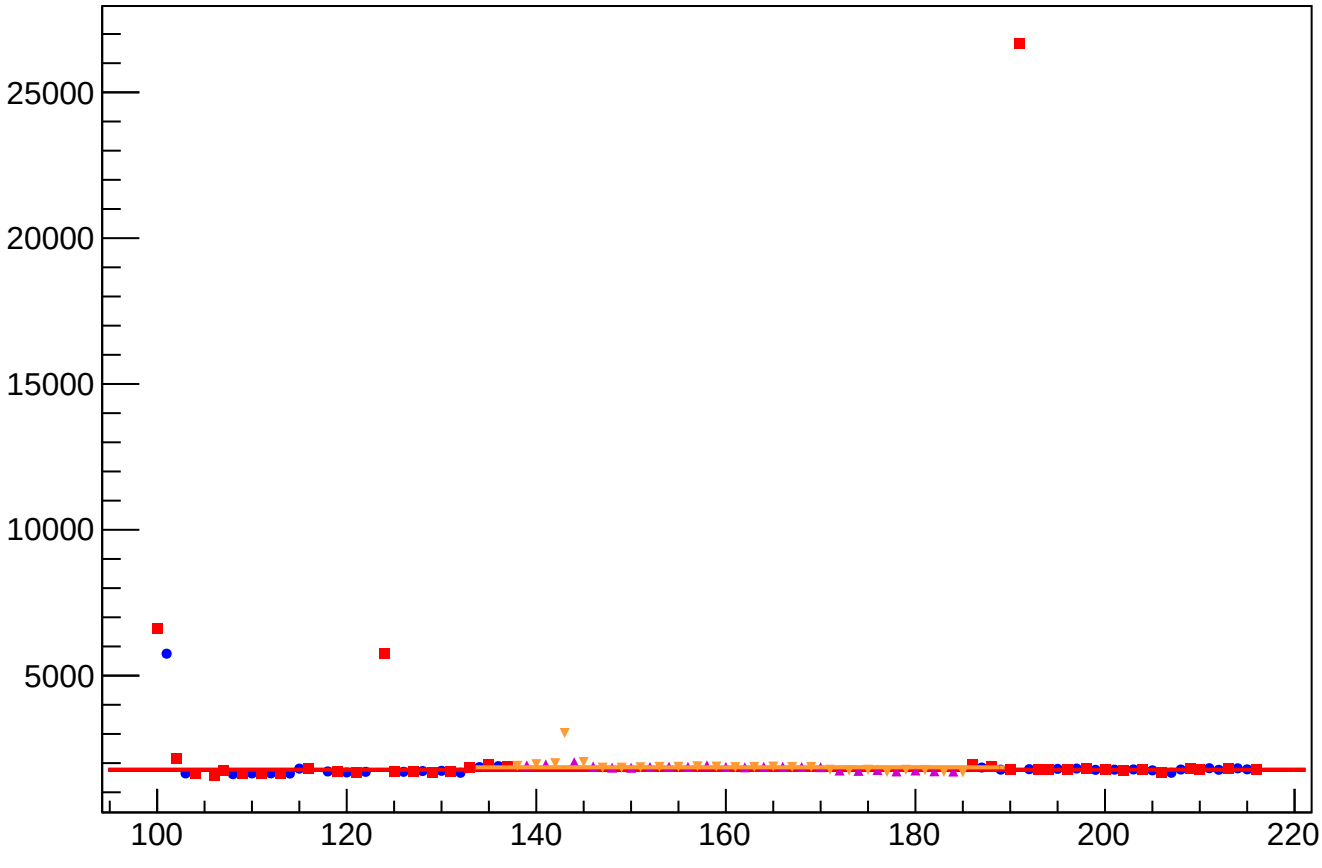
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2144.229+/-287.342 χ^2/NDF: 57.3/65

In: 2294.541+/-295.508 χ^2/NDF:45.3/53

Out: 1942.264+/-293.080 χ^2/NDF:65.5/59

All: 2116.950+/-208.092 χ^2/NDF: 111.5/113



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: 1774.009+/-0.286 χ^2/NDF: 648693.0/34

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

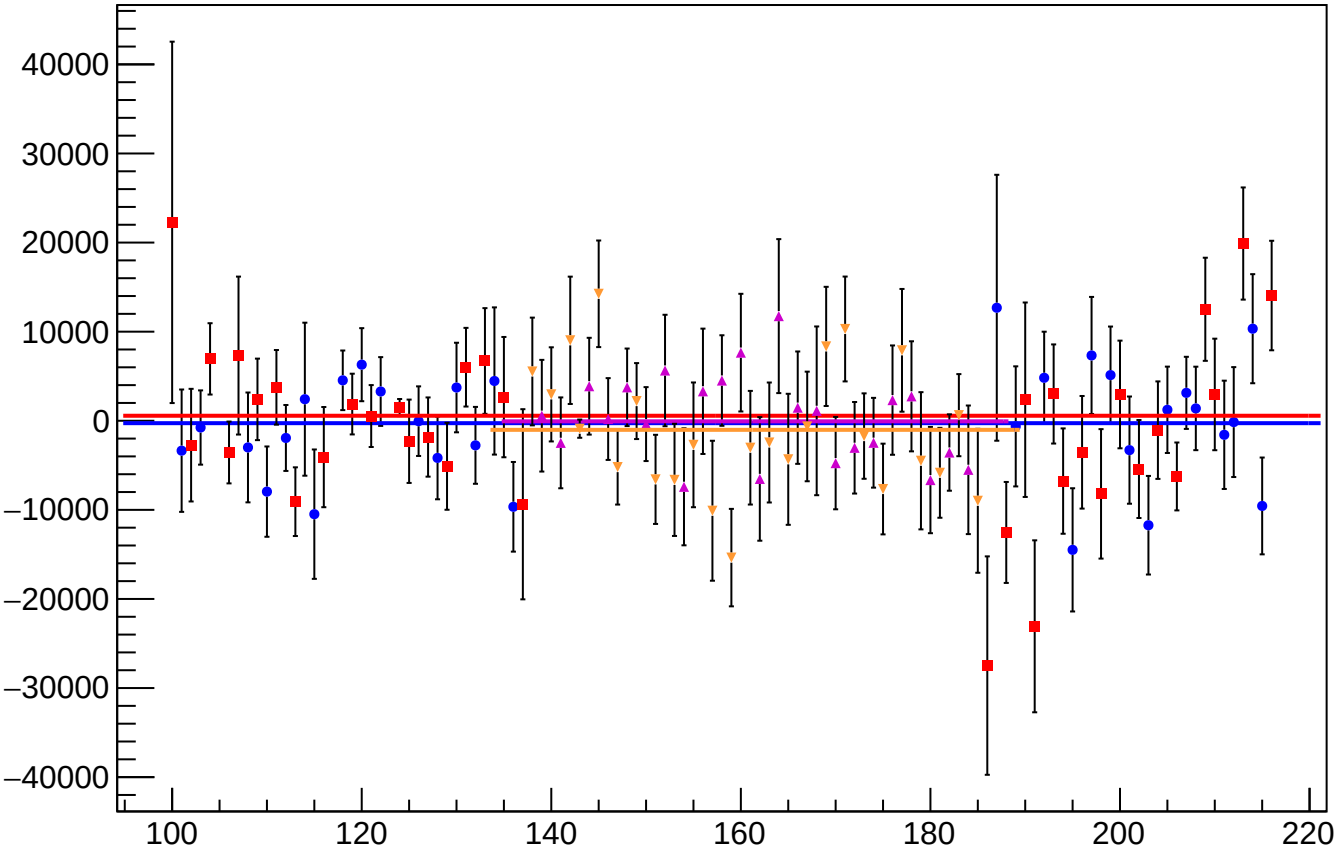
Right: 1771.501+/-0.203 χ^2/NDF: 1333423.4/65

In: 1802.935+/-0.209 χ^2/NDF:785154.8/53

Out: 1812.987+/-0.207 χ^2/NDF:1011712.3/59

All: 1808.010+/-0.147 χ^2/NDF: 1798035.4/11

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: 562.930+/-655.076 χ^2/NDF: 63.8/34

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

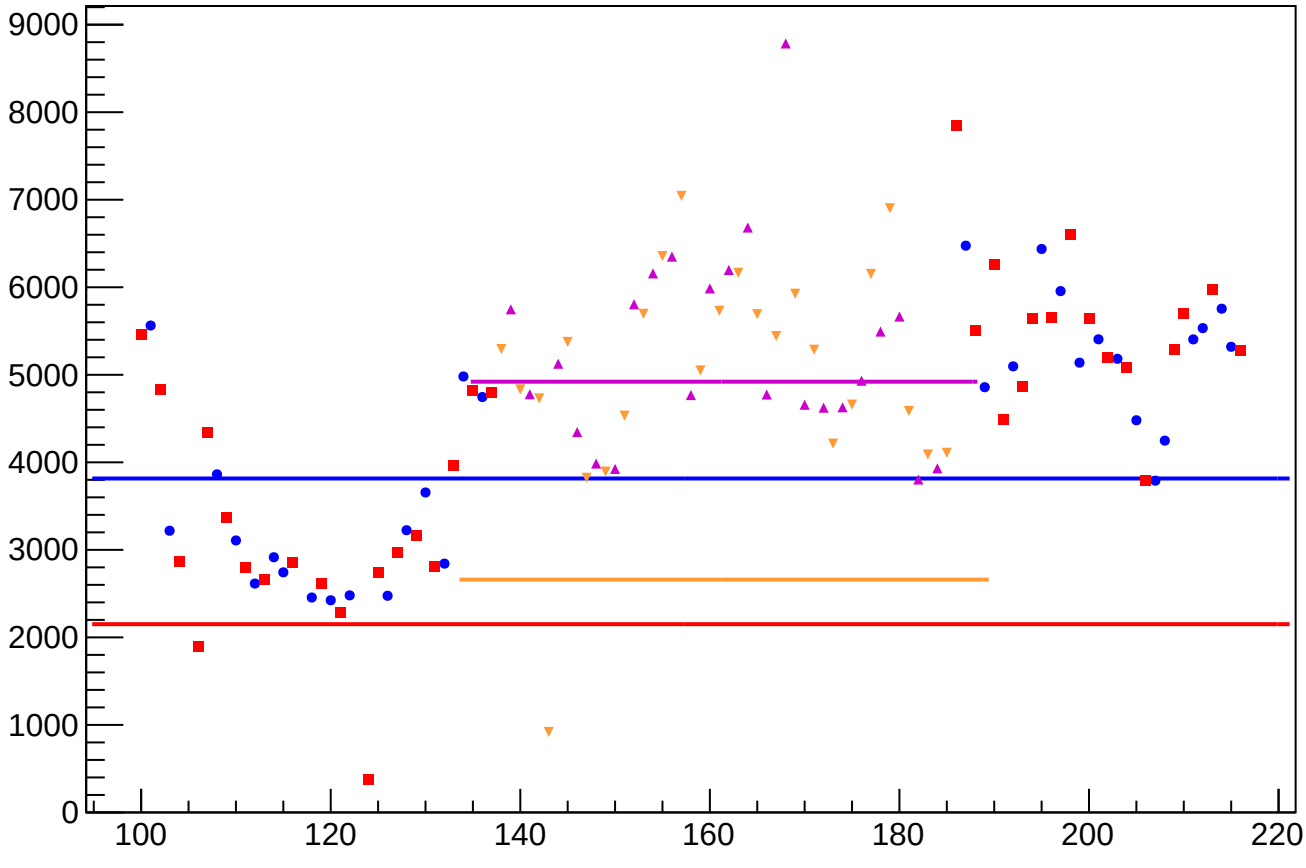
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 281.391+/-532.974 χ^2/NDF: 100.0/65

In: -191.260+/-722.387 χ^2/NDF:48.7/53

Out: -99.413+/-499.437 χ^2/NDF:100.0/59

All: -129.117+/-410.813 χ^2/NDF: 148.7/113



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: 2150.976+/-0.463 χ^2/NDF: 17459808.1/34

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

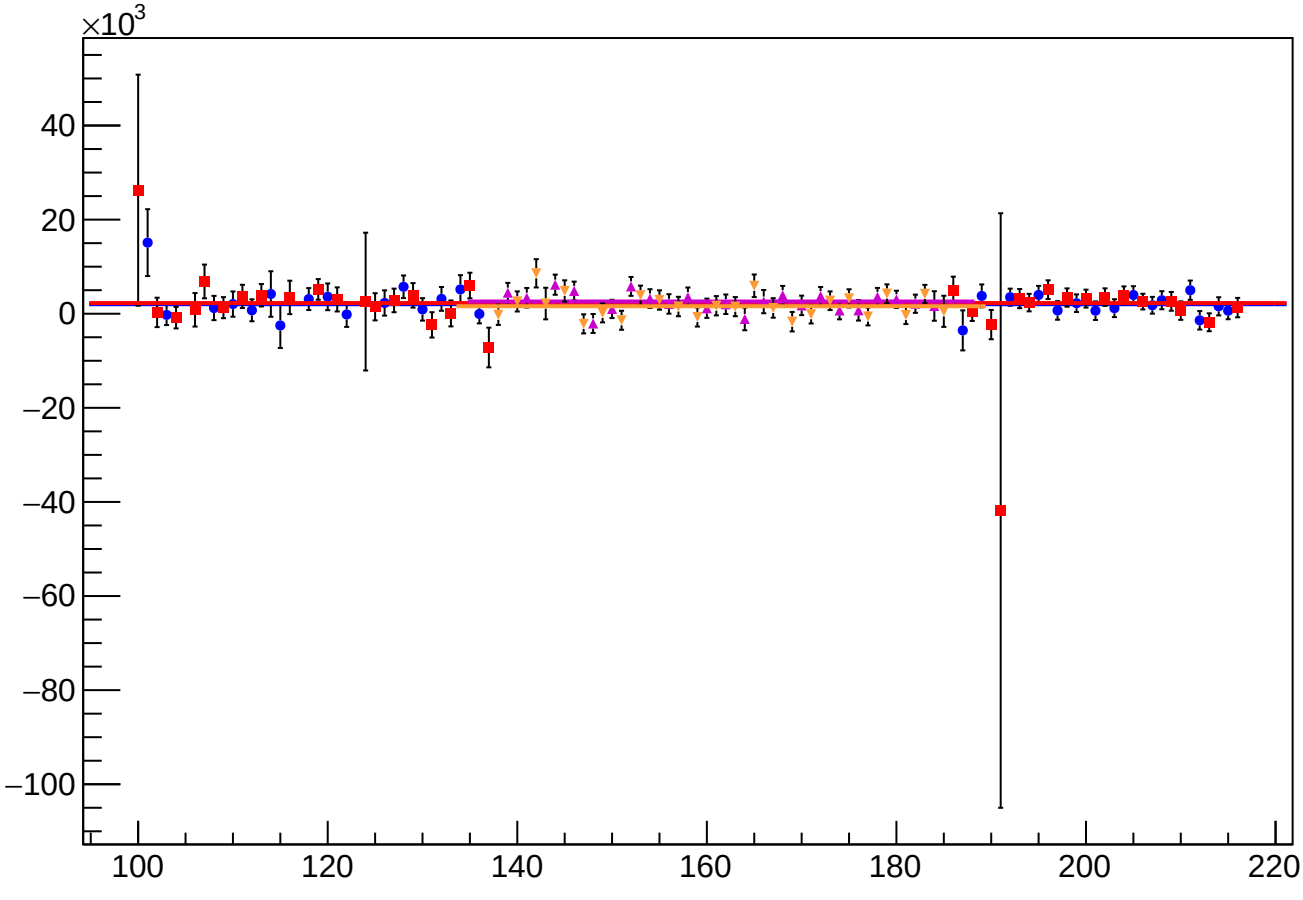
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2713.596+/-0.377 χ^2/NDF: 25404612.3/65

In: 4234.480+/-0.511 χ^2/NDF:5935098.0/53

Out: 2364.123+/-0.353 χ^2/NDF:32501560.4/59

All: 2969.009+/-0.290 χ^2/NDF: 47507904.9/1



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: 2264.371+/-406.187 χ^2/NDF: 32.9/34

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

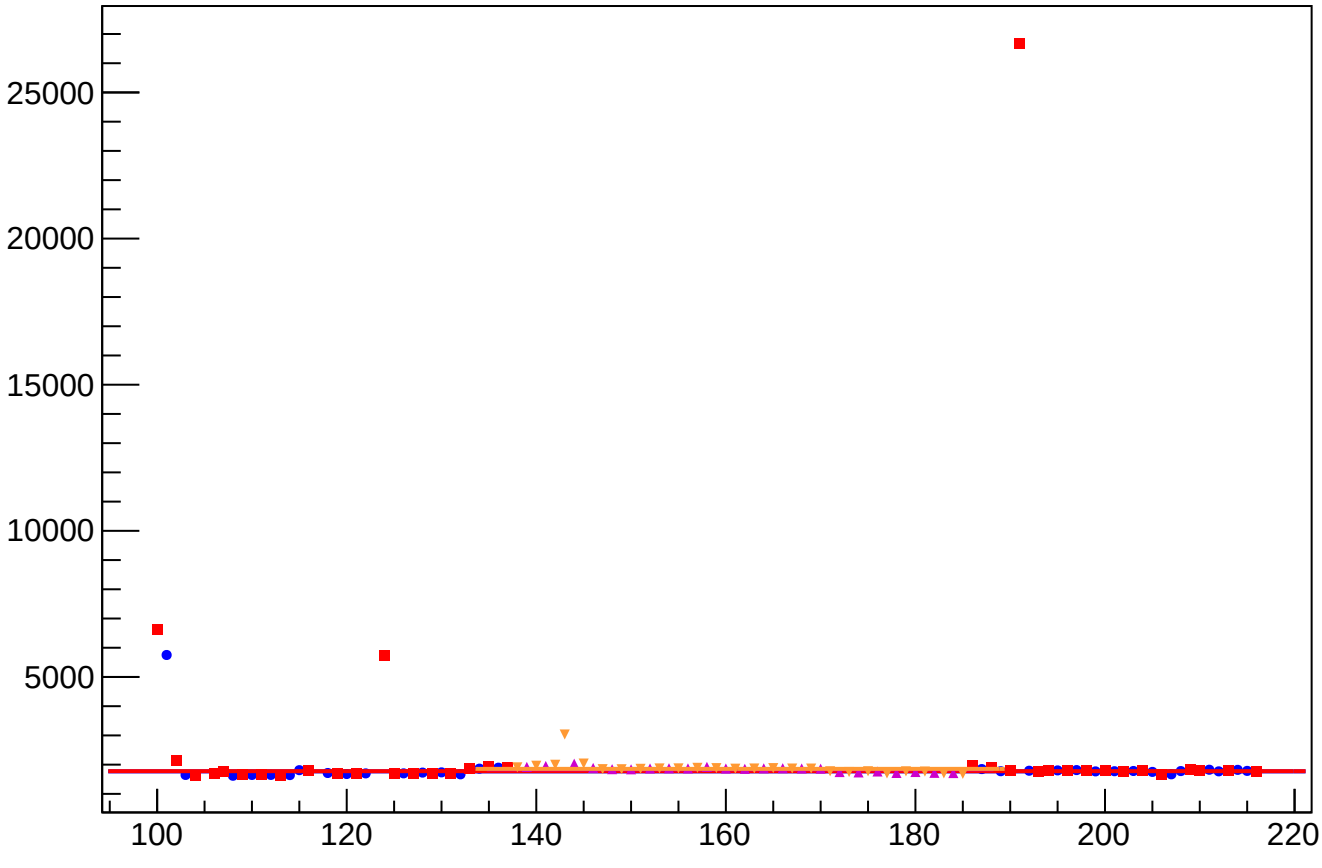
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2144.142+/-287.342 χ^2/NDF: 57.3/65

In: 2294.475+/-295.508 χ^2/NDF:45.3/53

Out: 1942.256+/-293.080 χ^2/NDF:65.5/59

All: 2116.913+/-208.092 χ^2/NDF: 111.5/113



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: 1776.693+/-0.287 χ^2/NDF: 639966.4/34

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

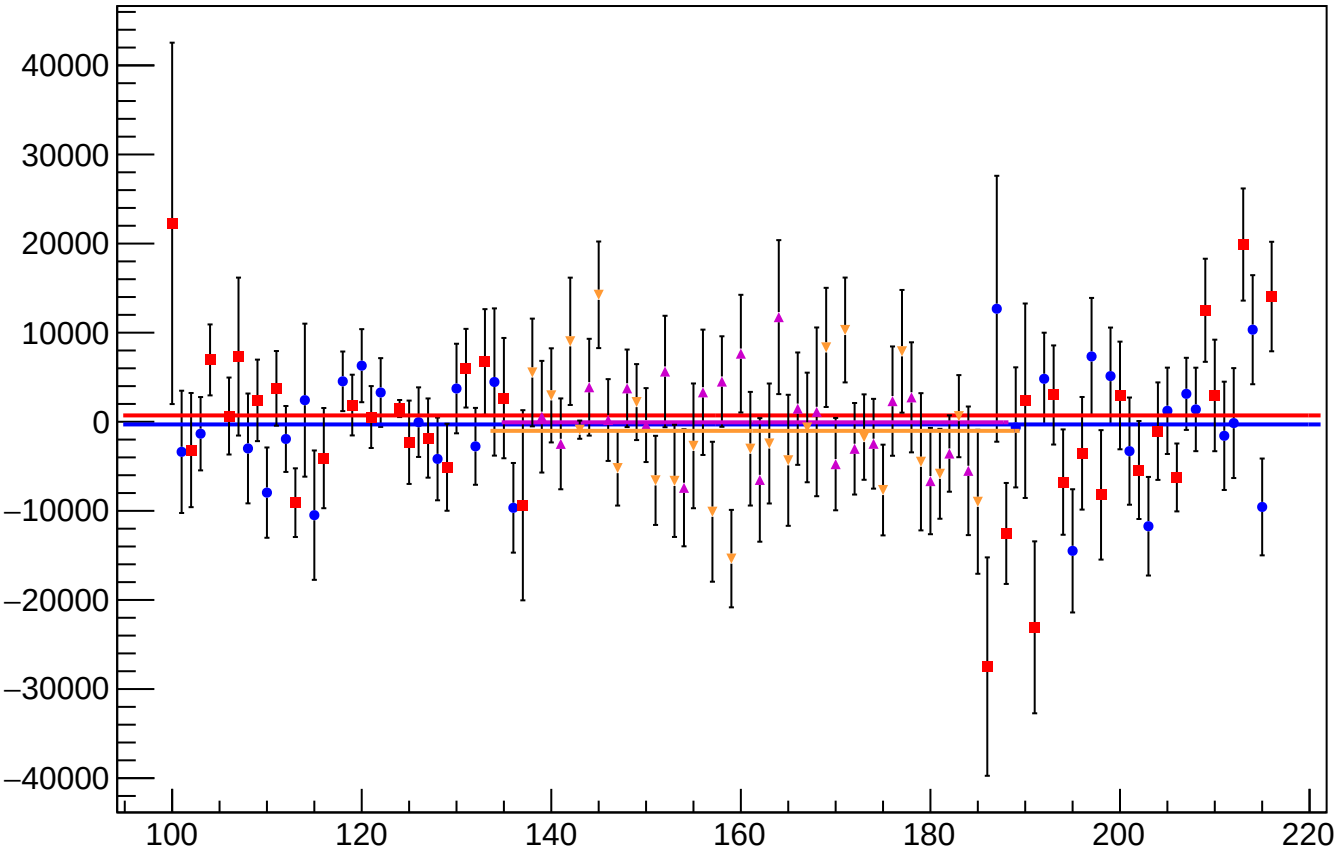
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1772.843+/-0.203 χ^2/NDF: 1324904.5/65

In: 1802.935+/-0.209 χ^2/NDF:785155.2/53

Out: 1814.444+/-0.207 χ^2/NDF:1000428.4/59

All: 1808.741+/-0.147 χ^2/NDF: 1787113.9/11



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: 711.953+/-659.274 χ^2/NDF: 62.4/34

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

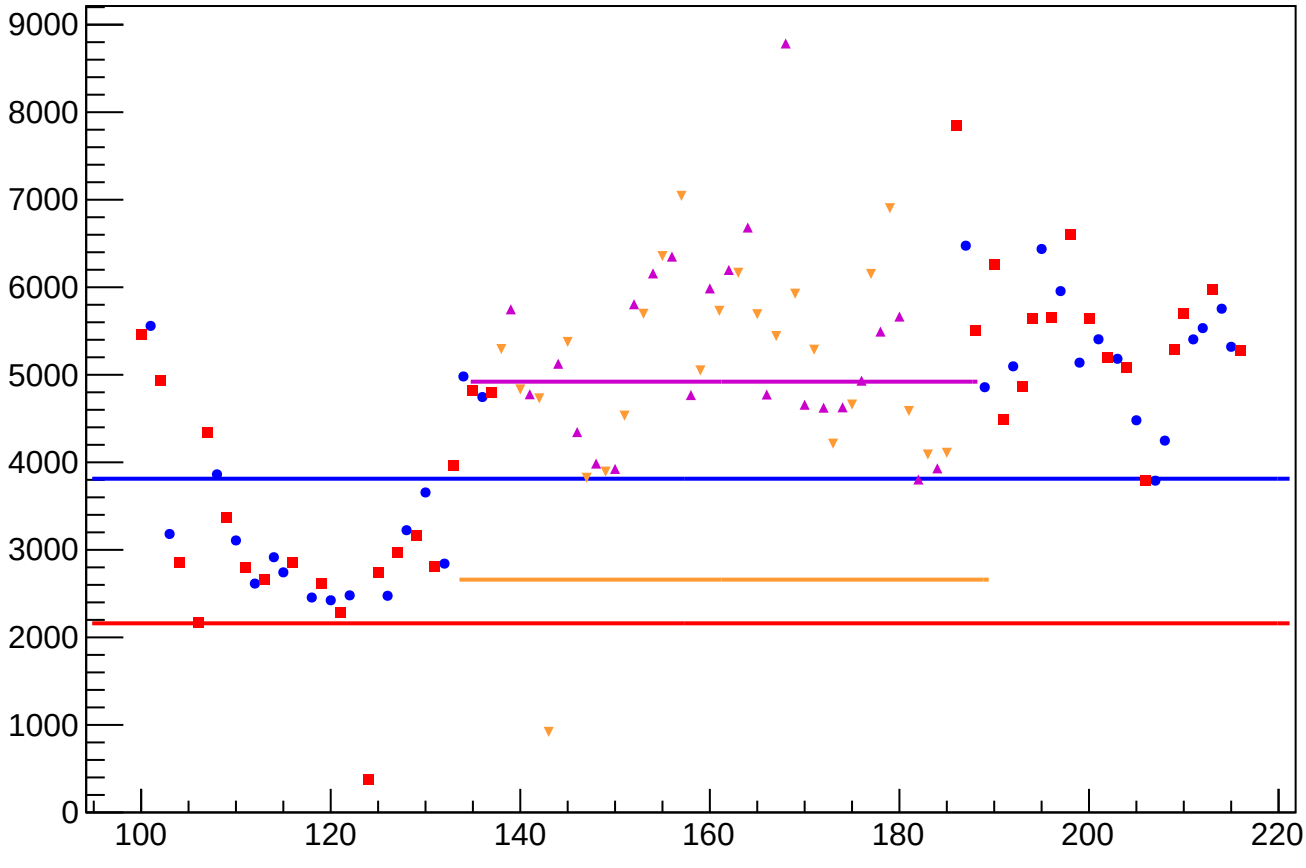
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 366.742+/-535.113 χ^2/NDF: 98.9/65

In: -209.873+/-722.105 χ^2/NDF:48.8/53

Out: -18.135+/-501.285 χ^2/NDF:99.1/59

All: -80.487+/-411.788 χ^2/NDF: 147.9/113



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: 2160.820+/-0.466 χ^2/NDF: 17463766.8/34

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

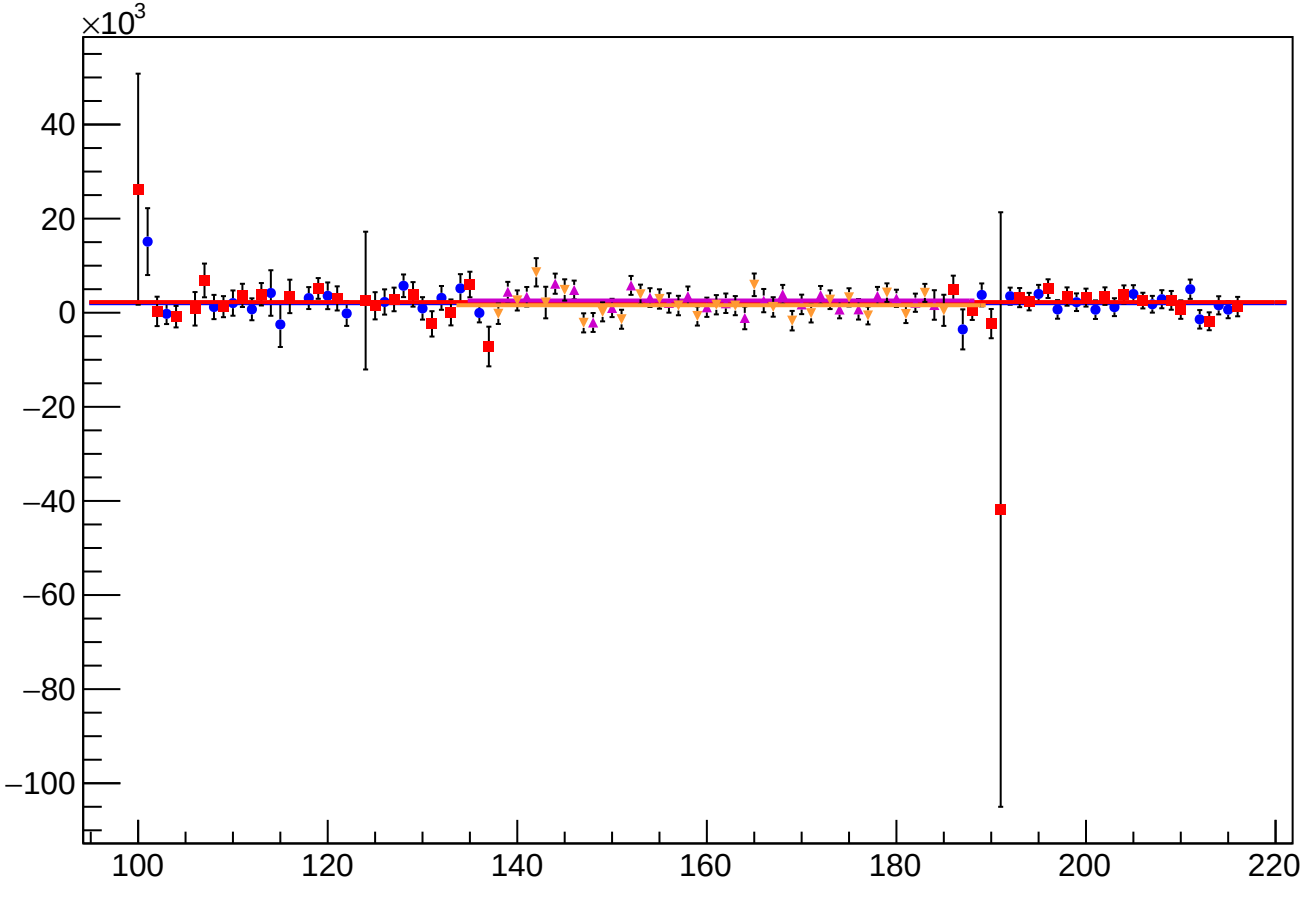
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2724.439+/-0.378 χ^2/NDF: 25334550.4/65

In: 4232.549+/-0.511 χ^2/NDF:5946740.8/53

Out: 2371.361+/-0.354 χ^2/NDF:32484098.1/59

All: 2976.614+/-0.291 χ^2/NDF: 47396593.1/1



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: 2264.371+/-406.187 χ^2/NDF: 32.9/34

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

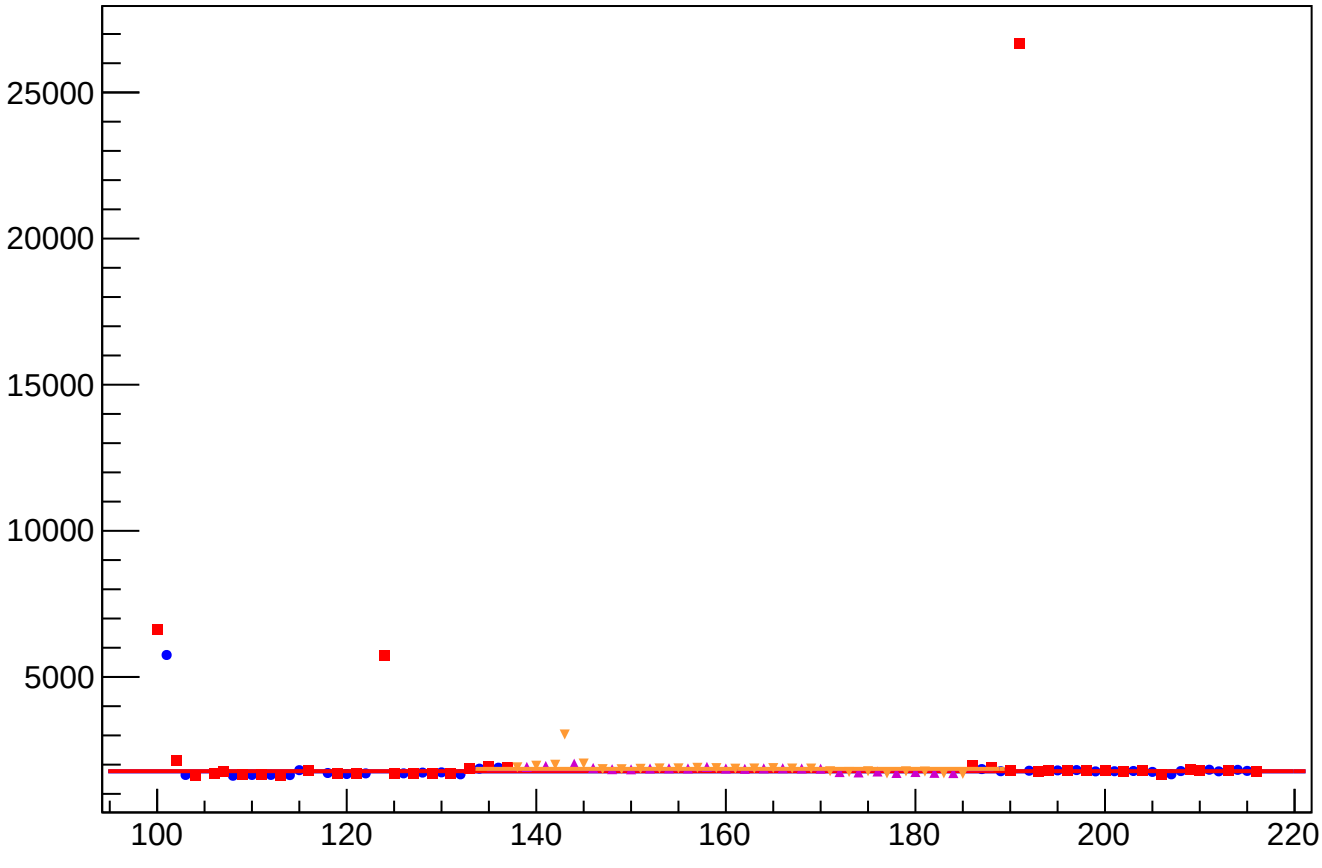
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2144.142+/-287.342 χ^2/NDF: 57.3/65

In: 2294.475+/-295.508 χ^2/NDF:45.3/53

Out: 1942.256+/-293.080 χ^2/NDF:65.5/59

All: 2116.913+/-208.092 χ^2/NDF: 111.5/113



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: 1776.693+/-0.287 χ^2/NDF: 639966.4/34

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

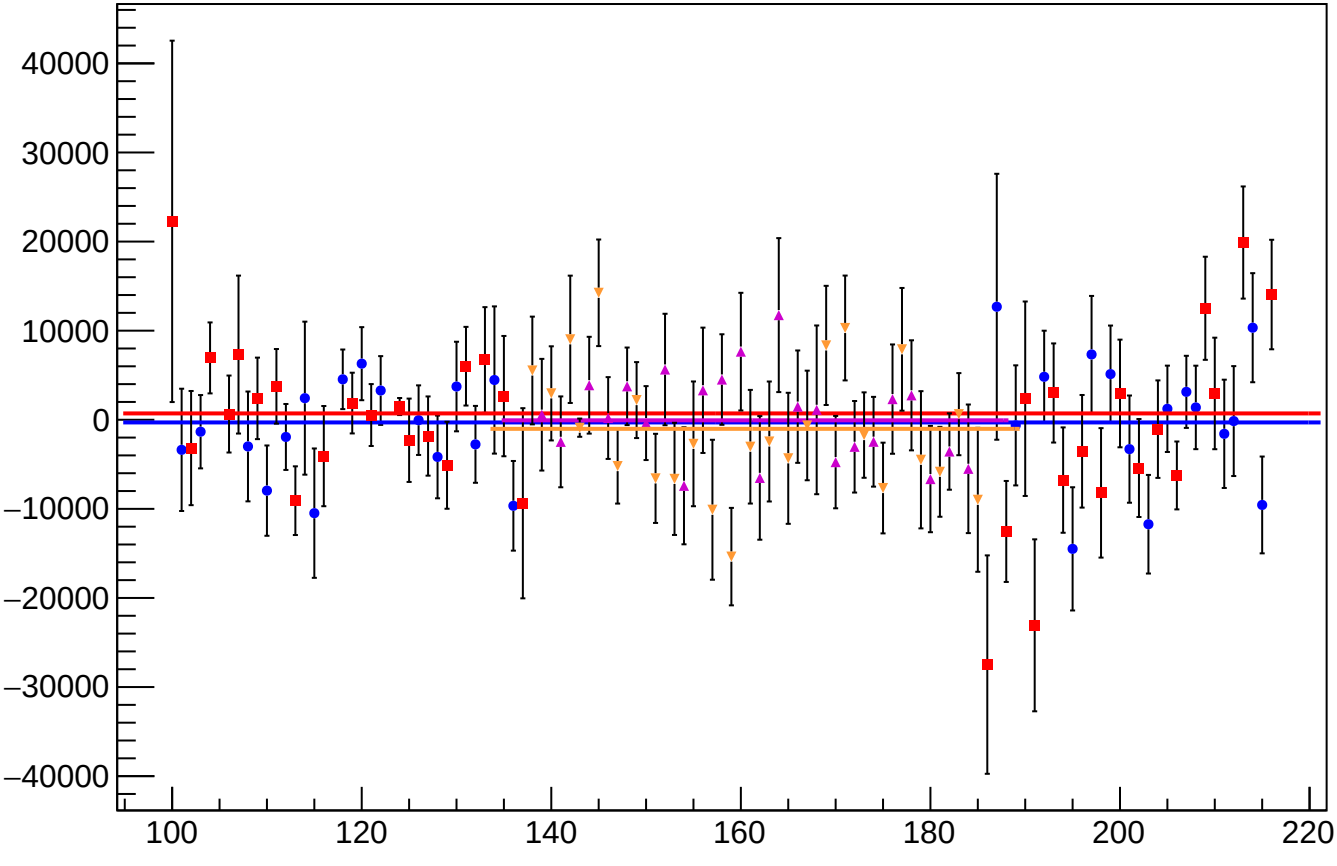
Right: 1772.843+/-0.203 χ^2/NDF: 1324904.5/65

In: 1802.935+/-0.209 χ^2/NDF:785155.2/53

Out: 1814.444+/-0.207 χ^2/NDF:1000428.4/59

All: 1808.741+/-0.147 χ^2/NDF: 1787113.9/11

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 711.953+/-659.274 χ^2/NDF: 62.4/34

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

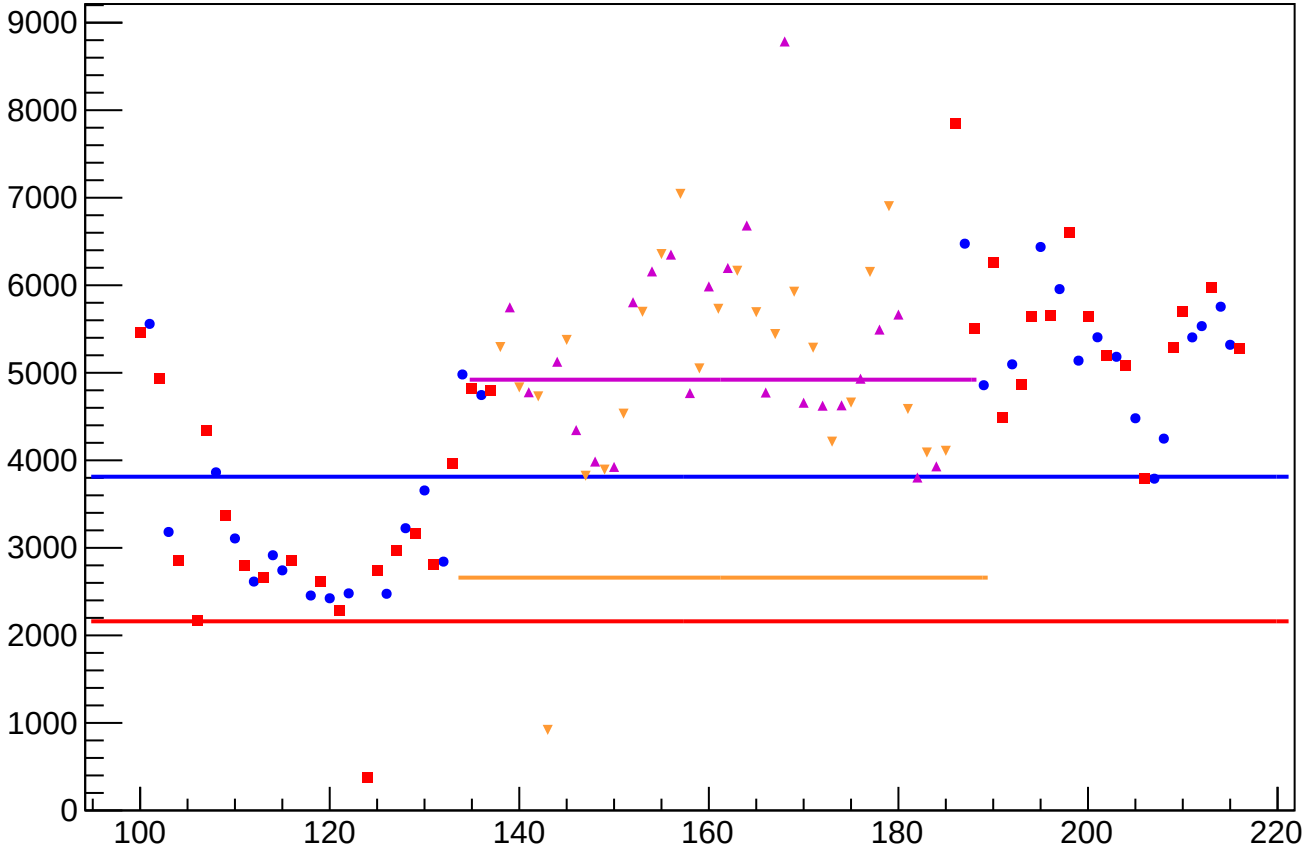
Right: 366.742+/-535.113 χ^2/NDF: 98.9/65

In: -209.873+/-722.105 χ^2/NDF:48.8/53

Out: -18.135+/-501.285 χ^2/NDF:99.1/59

All: -80.487+/-411.788 χ^2/NDF: 147.9/113

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: 2160.820+/-0.466 χ^2/NDF: 17463766.8/34

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

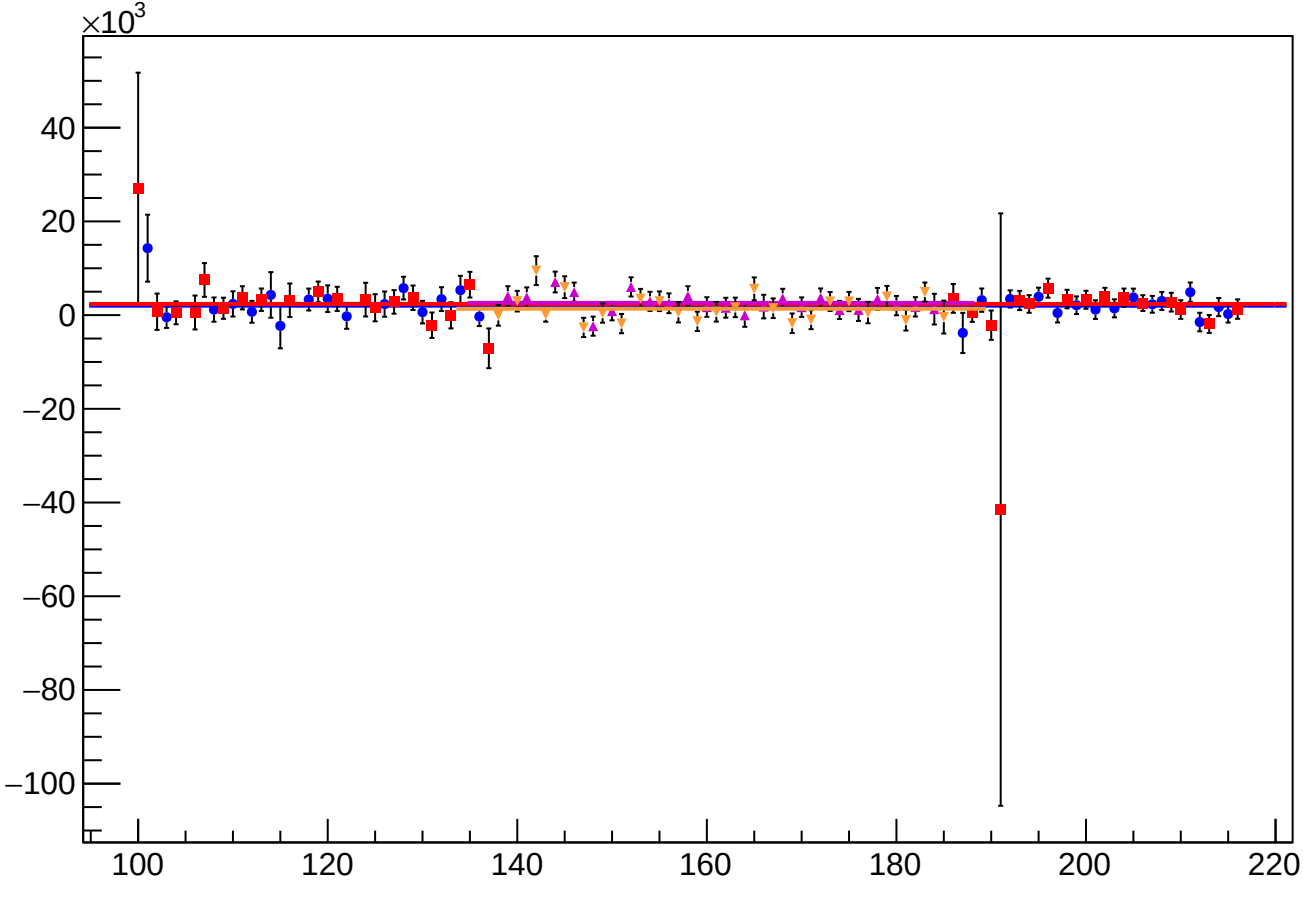
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2724.439+/-0.378 χ^2/NDF: 25334550.4/65

In: 4232.549+/-0.511 χ^2/NDF:5946740.8/53

Out: 2371.361+/-0.354 χ^2/NDF:32484098.1/59

All: 2976.614+/-0.291 χ^2/NDF: 47396593.1/1



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: 2385.000+/-409.175 χ^2/NDF: 31.3/34

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

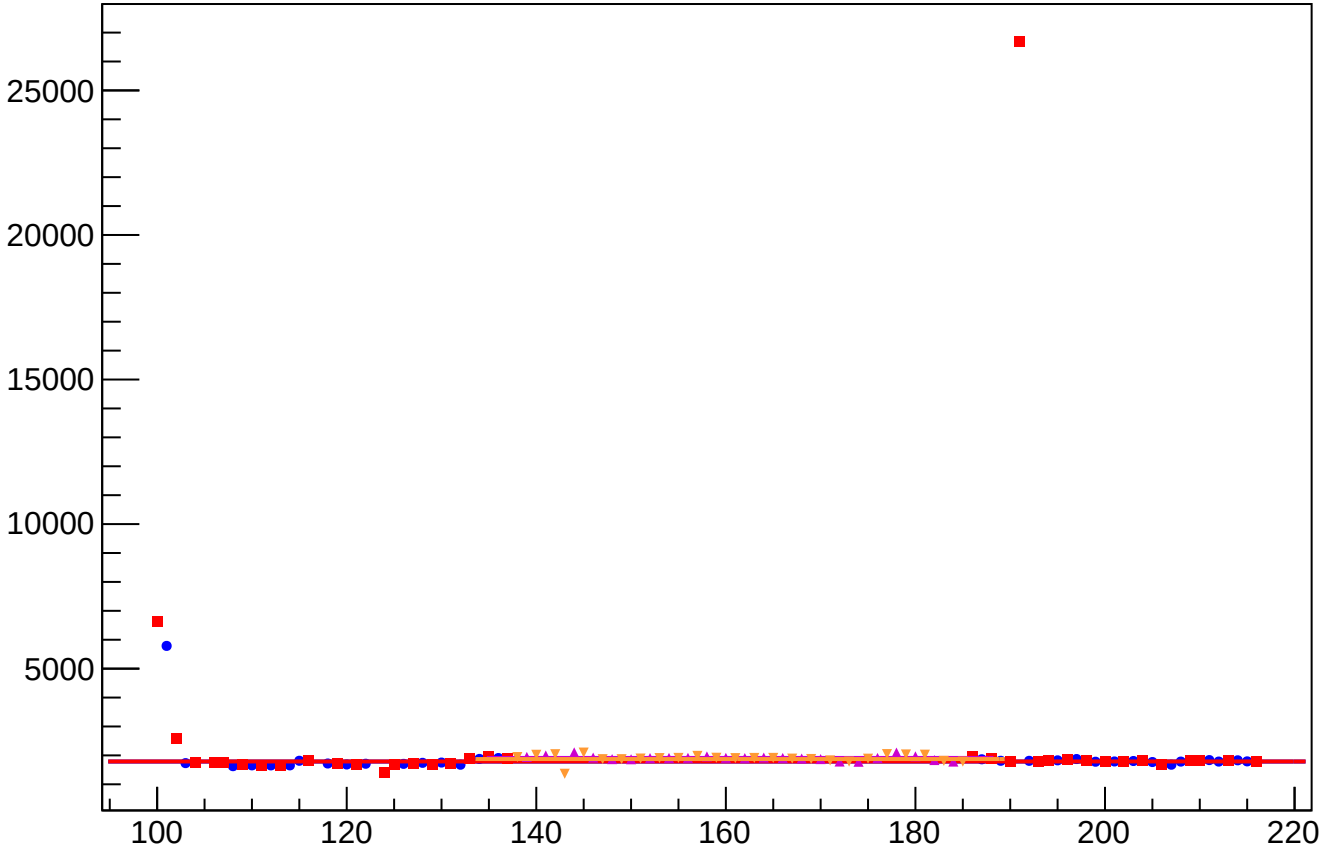
Right: 2202.542+/-289.825 χ^2/NDF: 55.8/65

In: 2286.243+/-302.300 χ^2/NDF:45.0/53

Out: 1896.598+/-295.541 χ^2/NDF:70.4/59

All: 2087.015+/-211.328 χ^2/NDF: 116.3/113

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: 1790.120+/-0.289 χ^2/NDF: 563205.3/34

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

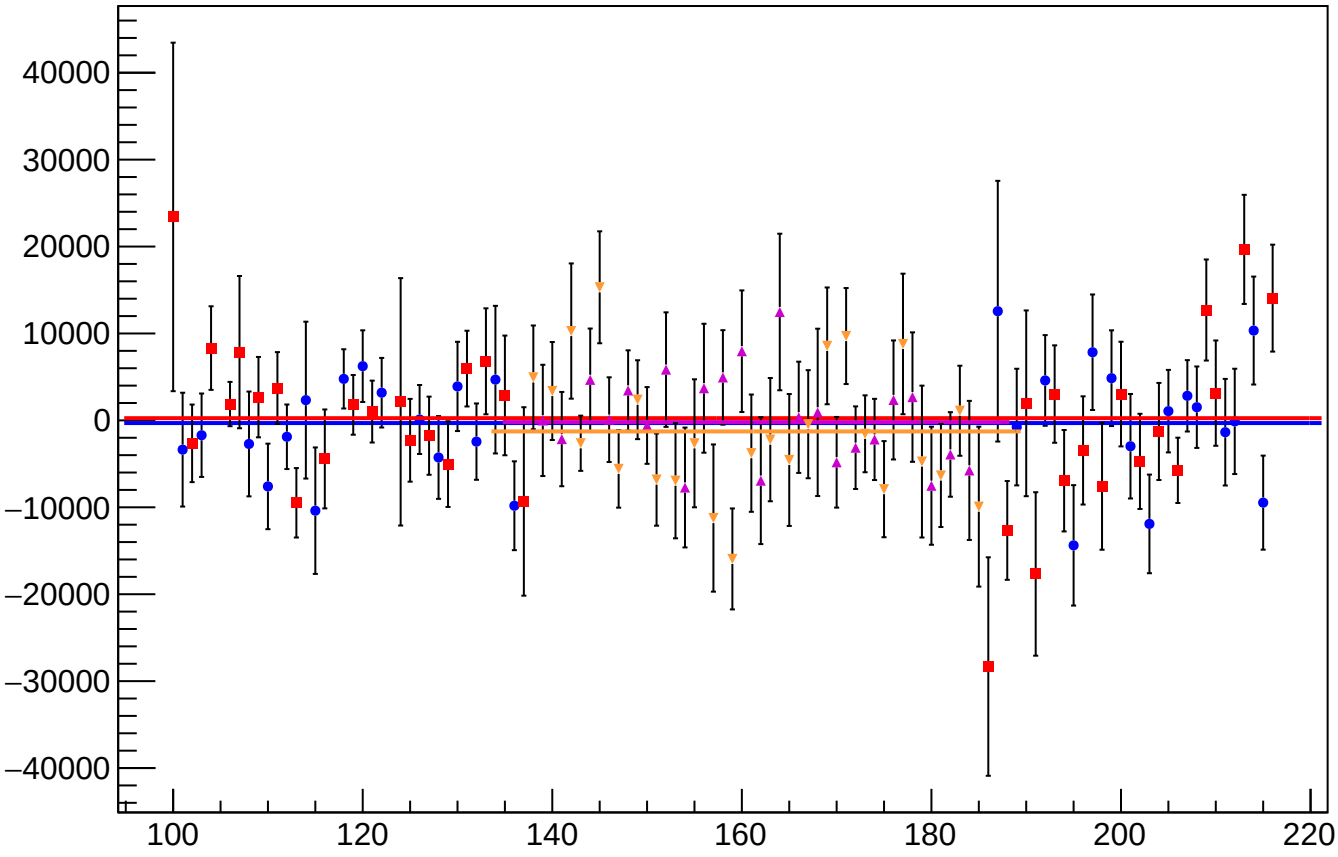
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1788.255+/-0.205 χ^2/NDF: 1248014.8/65

In: 1843.633+/-0.214 χ^2/NDF:828816.0/53

Out: 1829.804+/-0.209 χ^2/NDF:912394.4/59

All: 1836.559+/-0.149 χ^2/NDF: 1743351.8/11



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: 253.800+/-873.728 χ^2/NDF: 59.4/34

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

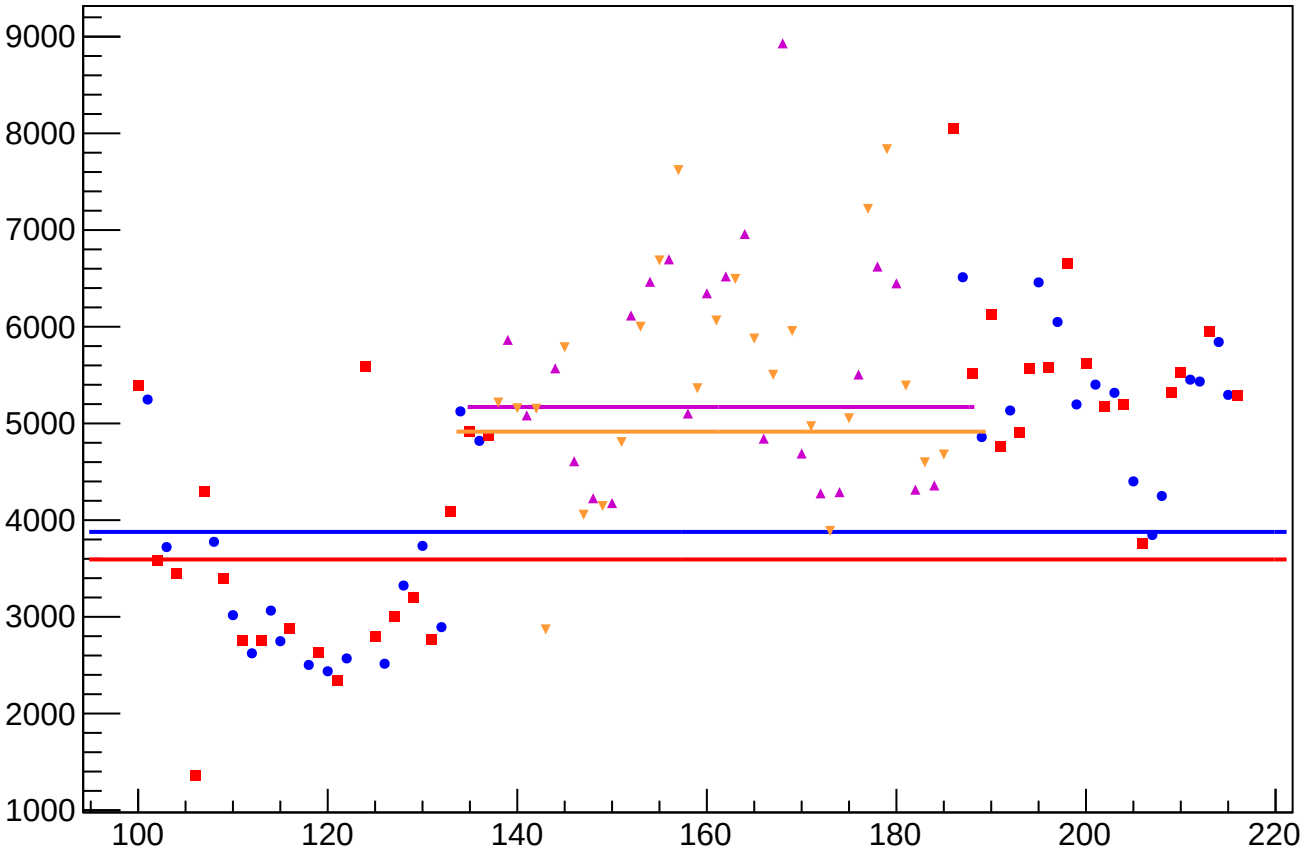
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -9.904+/-636.551 χ^2/NDF: 94.5/65

In: -267.953+/-742.445 χ^2/NDF:47.7/53

Out: -300.040+/-697.059 χ^2/NDF:93.9/59

All: -285.007+/-508.183 χ^2/NDF: 141.6/113



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: 3593.382+/-0.618 χ^2/NDF: 5398911.5/34

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

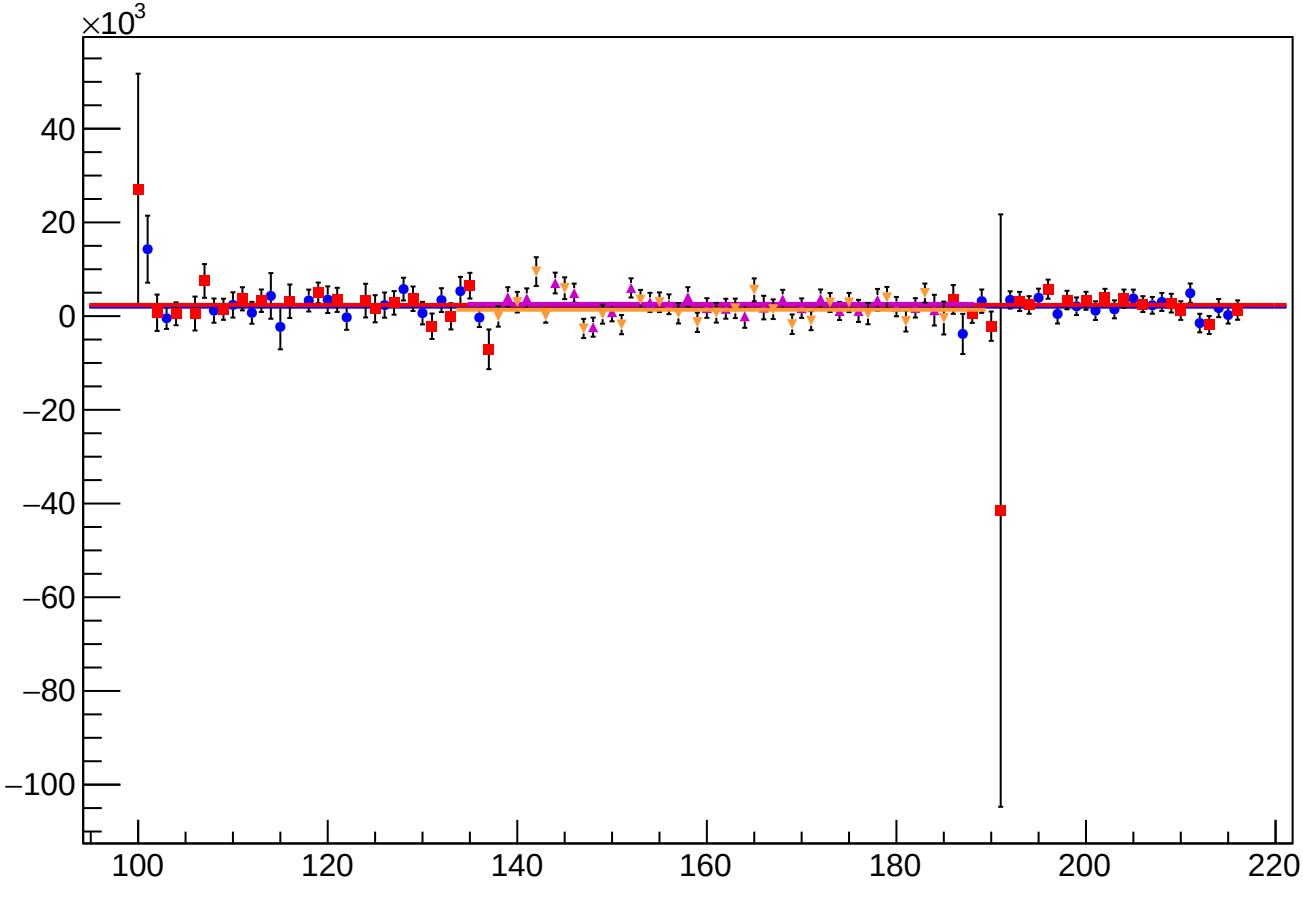
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3727.033+/-0.450 χ^2/NDF: 8924061.6/65

In: 4345.434+/-0.525 χ^2/NDF:6171975.5/53

Out: 4073.902+/-0.493 χ^2/NDF:9229219.9/59

All: 4201.115+/-0.359 χ^2/NDF: 15543377.5/



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: 2384.998+/-409.175 χ^2/NDF: 31.3/34

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

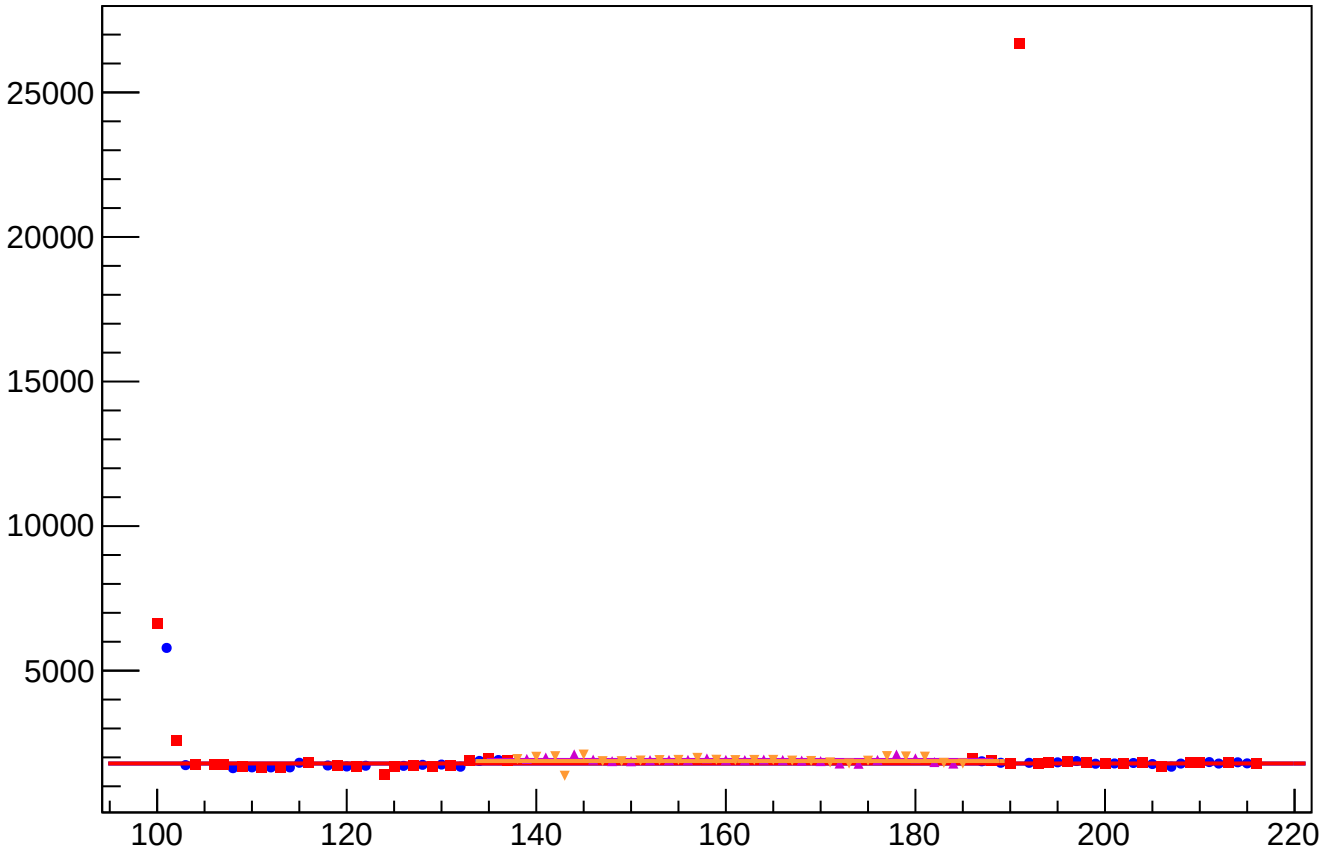
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2202.541+/-289.825 χ^2/NDF: 55.8/65

In: 2286.242+/-302.300 χ^2/NDF:45.0/53

Out: 1896.595+/-295.541 χ^2/NDF:70.4/59

All: 2087.014+/-211.328 χ^2/NDF: 116.3/113



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: 1790.119+/-0.289 χ^2/NDF: 563205.3/34

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

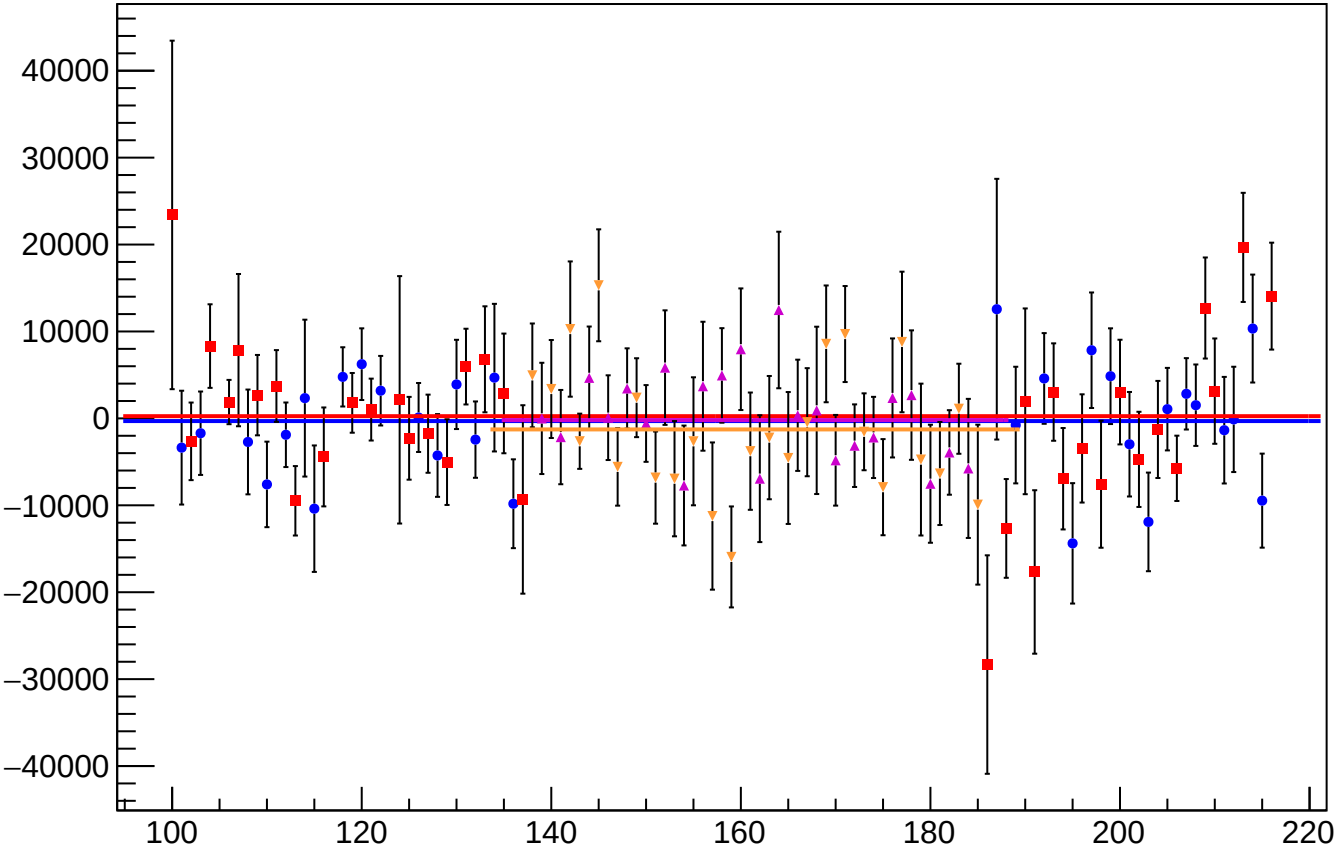
Right: 1788.255+/-0.205 χ^2/NDF: 1248014.9/65

In: 1843.634+/-0.214 χ^2/NDF:828819.7/53

Out: 1829.804+/-0.209 χ^2/NDF:912399.0/59

All: 1836.559+/-0.149 χ^2/NDF: 1743360.1/11

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 253.804+/-873.727 χ^2/NDF: 59.4/34

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

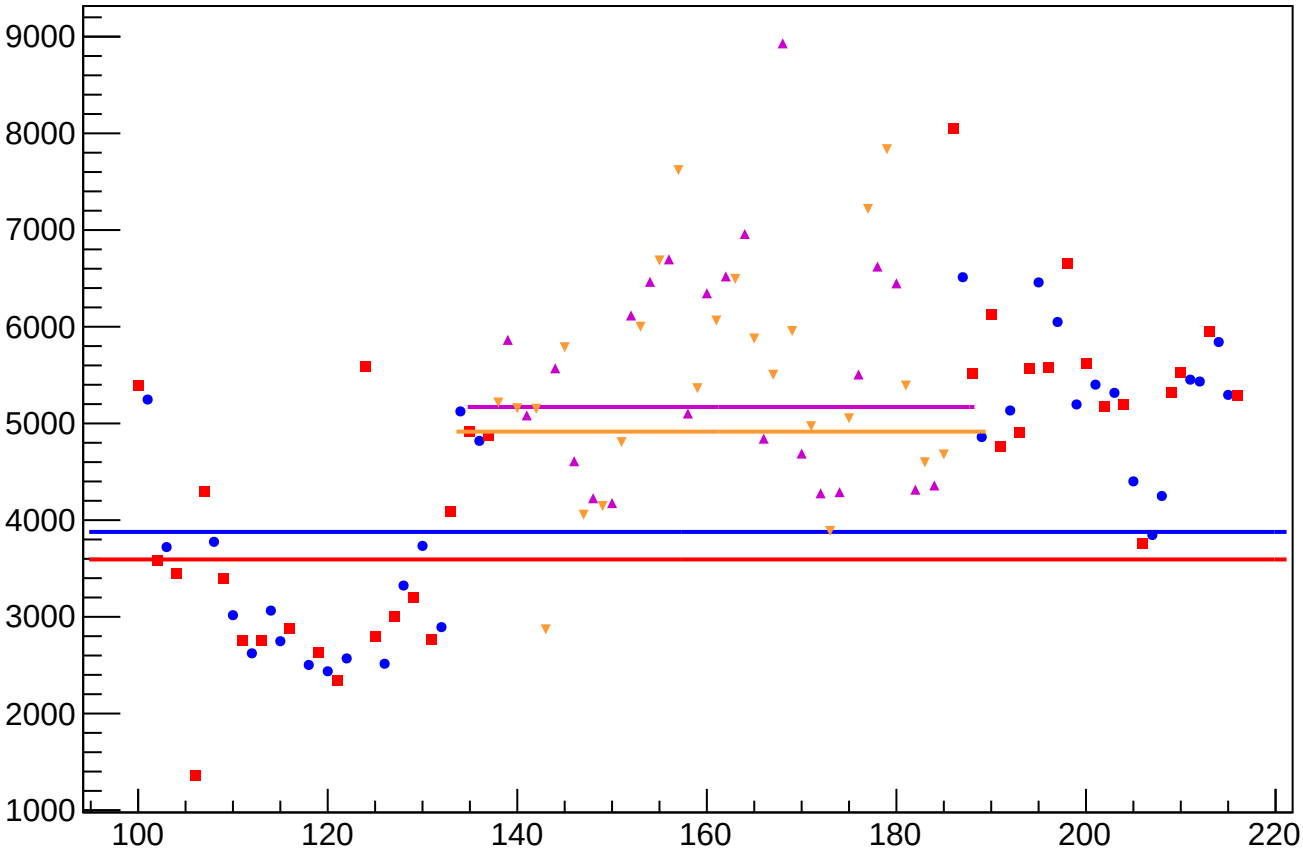
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -9.899+/-636.550 χ^2/NDF: 94.5/65

In: -267.951+/-742.445 χ^2/NDF:47.7/53

Out: -300.037+/-697.059 χ^2/NDF:93.9/59

All: -285.004+/-508.183 χ^2/NDF: 141.6/113



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: 3593.371+/-0.618 χ^2/NDF: 5398988.8/34

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

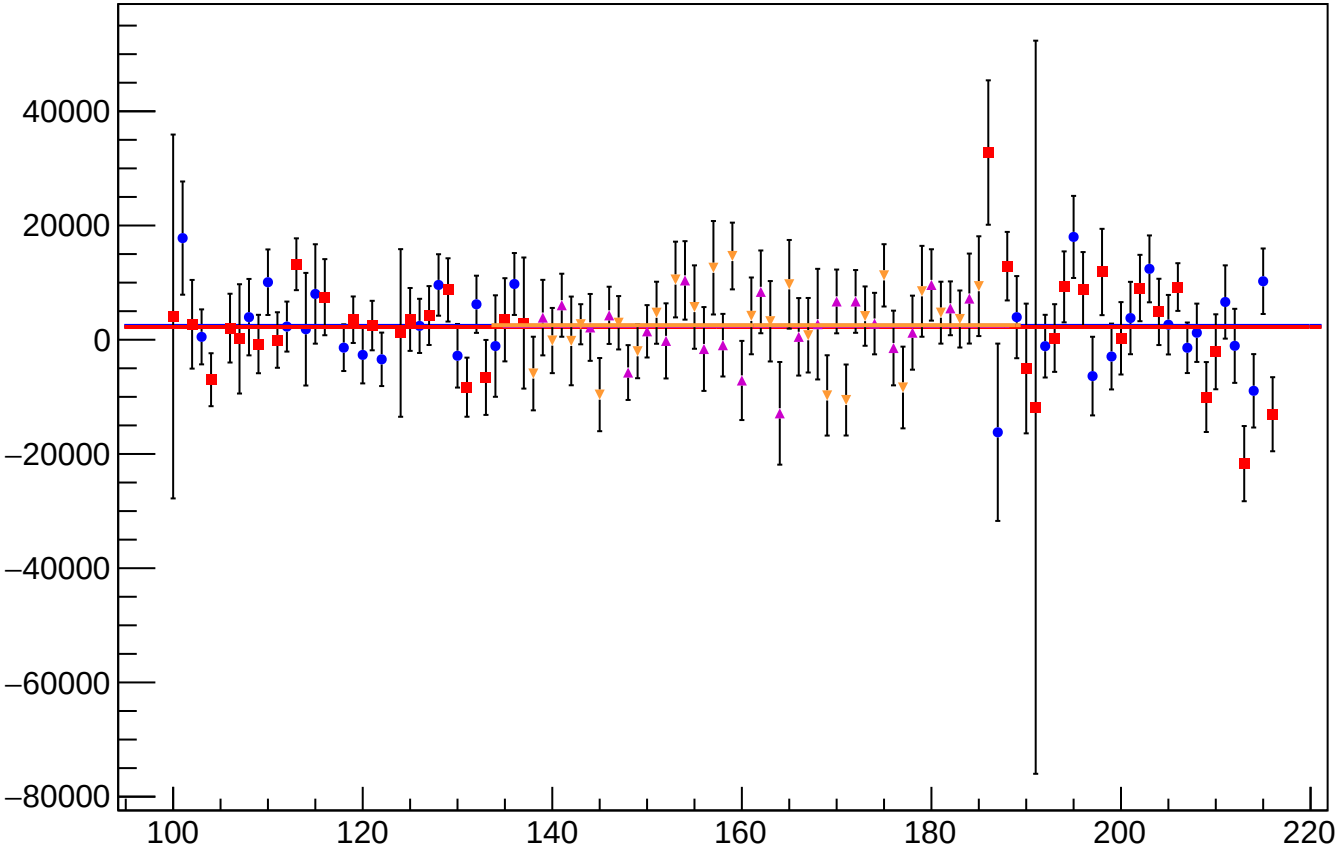
Right: 3727.024+/-0.450 χ^2/NDF: 8924199.5/65

In: 4345.431+/-0.525 χ^2/NDF:6172063.3/53

Out: 4073.895+/-0.493 χ^2/NDF:9229348.6/59

All: 4201.110+/-0.359 χ^2/NDF: 15543598.3/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 2229.904+/-1032.640 χ^2/NDF: 59.8/34

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

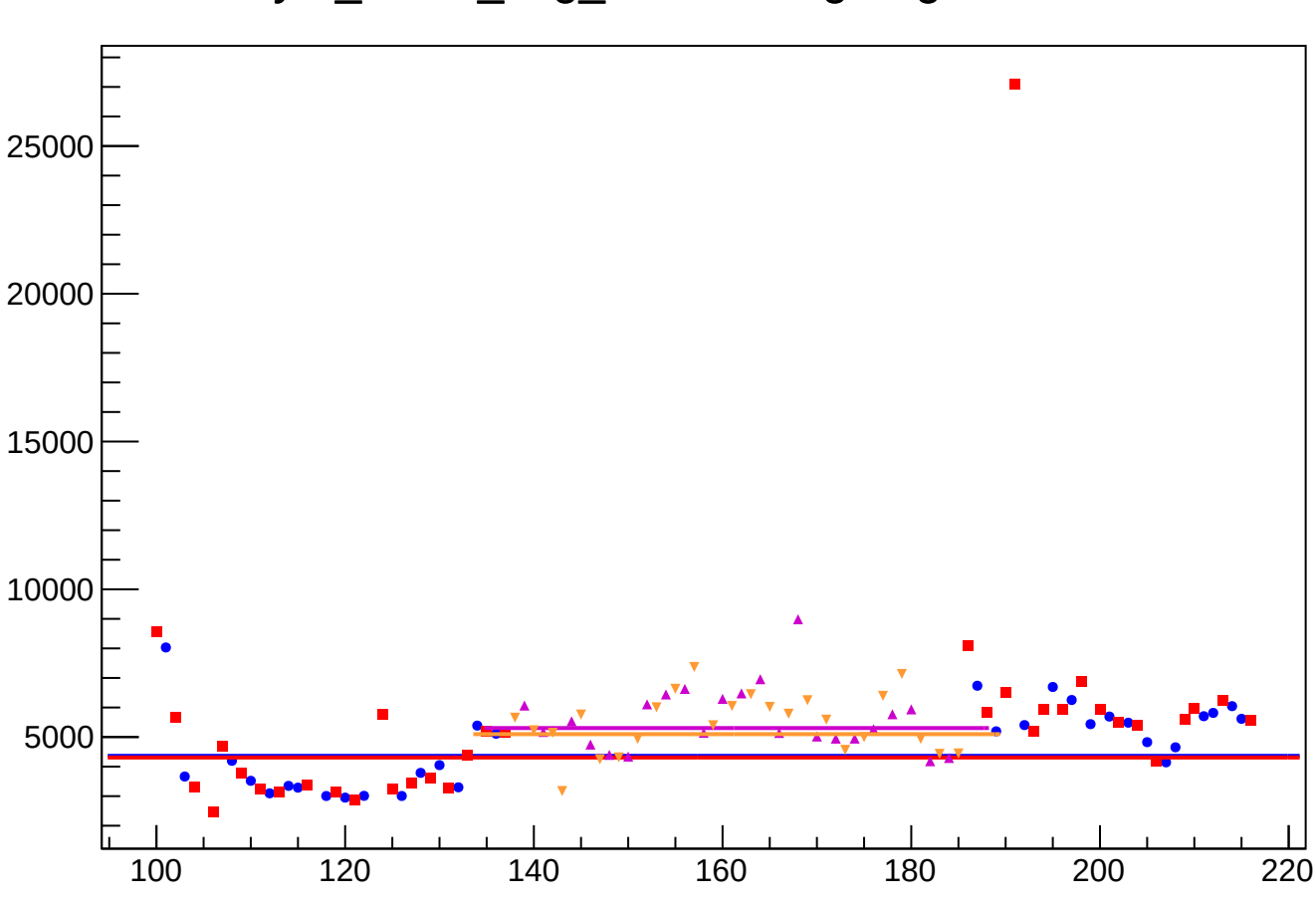
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

Right: 2326.145+/-730.615 χ^2/NDF: 91.9/65

In: 2422.775+/-799.153 χ^2/NDF:47.1/53

Out: 2366.450+/-779.273 χ^2/NDF:89.0/59

All: 2393.903+/-557.925 χ^2/NDF: 136.0/113



Right In: 4363.163+/-0.731 χ^2/NDF: 2661588.8/30

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 4307.383+/-0.723 χ^2/NDF: 3416528.1/34

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

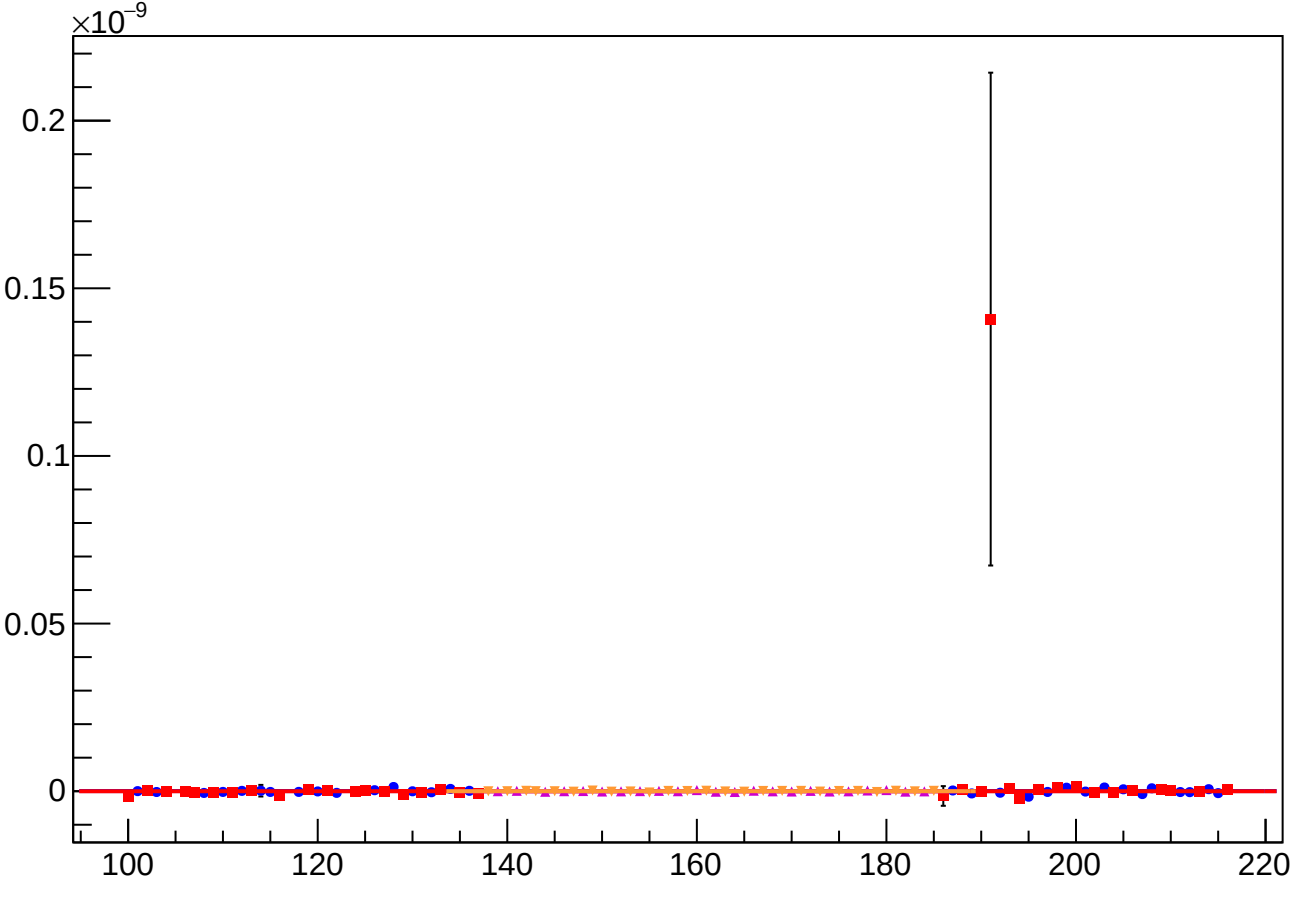
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

Right: 4334.983+/-0.514 χ^2/NDF: 6081058.2/65

In: 4741.912+/-0.565 χ^2/NDF:4346458.9/53

Out: 4644.176+/-0.548 χ^2/NDF:5469642.1/59

All: 4691.555+/-0.393 χ^2/NDF: 9831513.6/11



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: 41.7/34

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

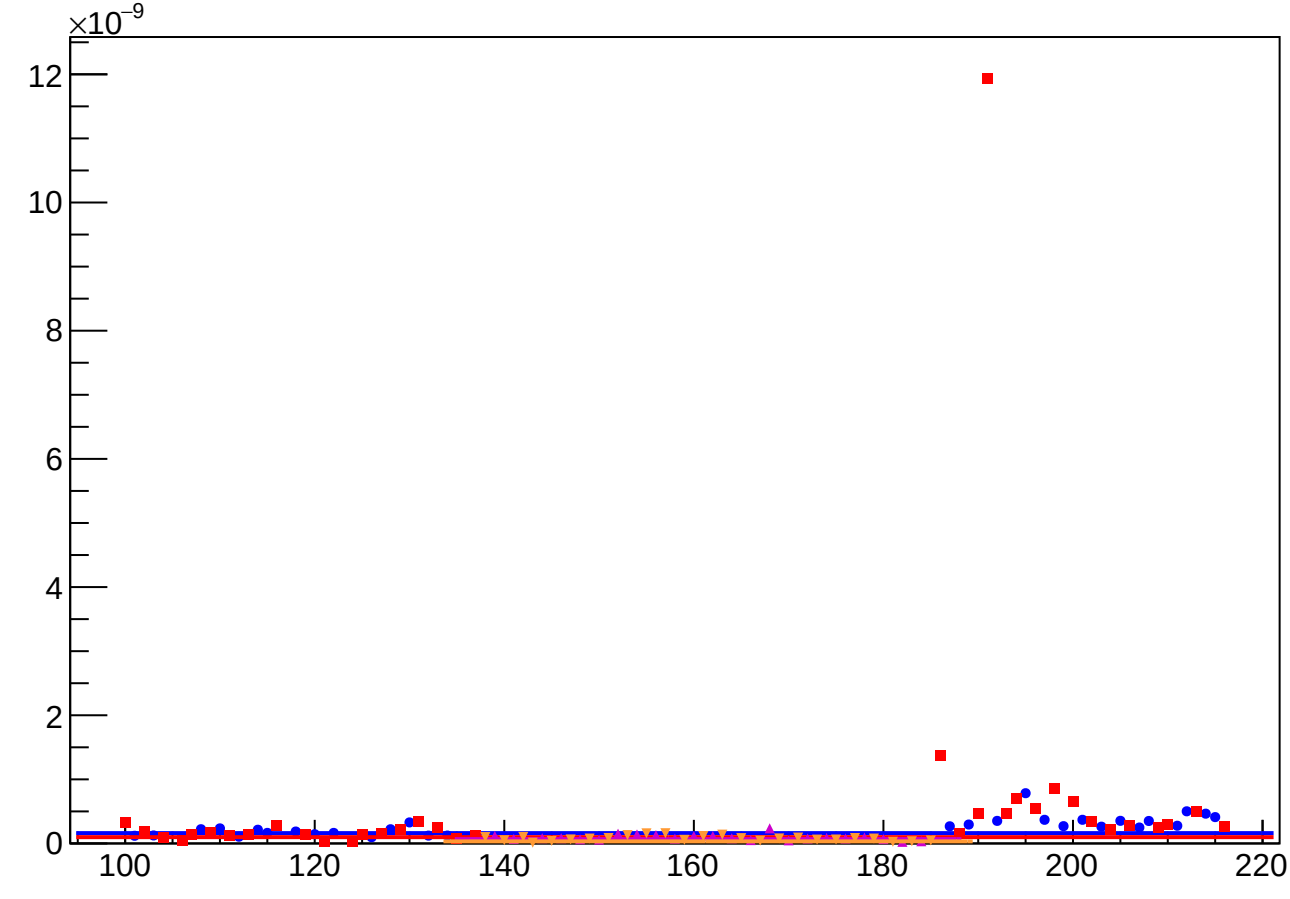
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

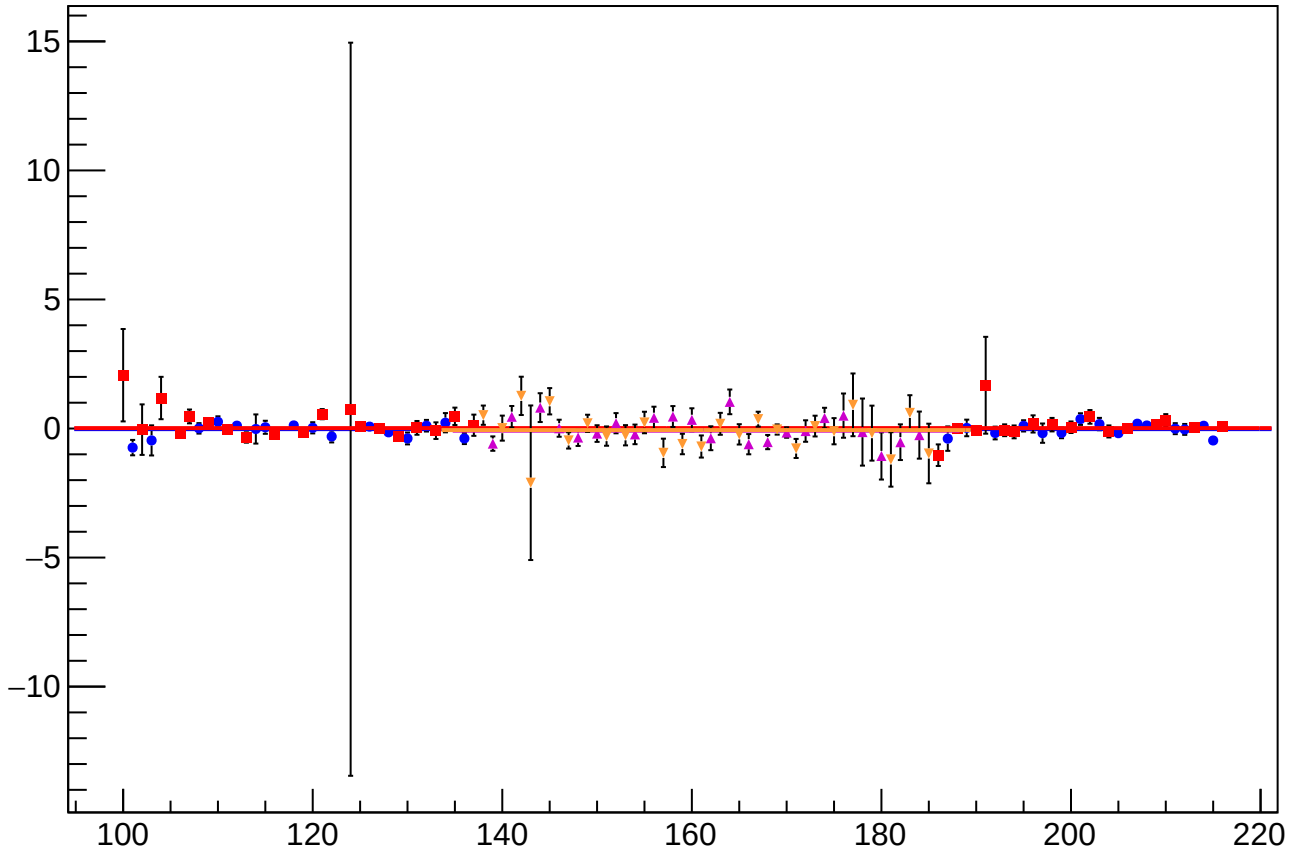
Right: 0.000+/-0.000 χ^2/NDF: 80.5/65

In: 0.000+/-0.000 χ^2/NDF:61.7/53

Out: 0.000+/-0.000 χ^2/NDF:57.0/59

All: 0.000+/-0.000 χ^2/NDF: 118.8/113


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: 8307316.5/34
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: 13690865.7/65
In: 0.000+/-0.000 χ²/NDF:10065462.4/53
Out: 0.000+/-0.000 χ²/NDF:17515766.4/59
All: 0.000+/-0.000 χ²/NDF: 31398254.0/113



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: 0.016+/-0.035 χ^2/NDF: 43.1/34

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

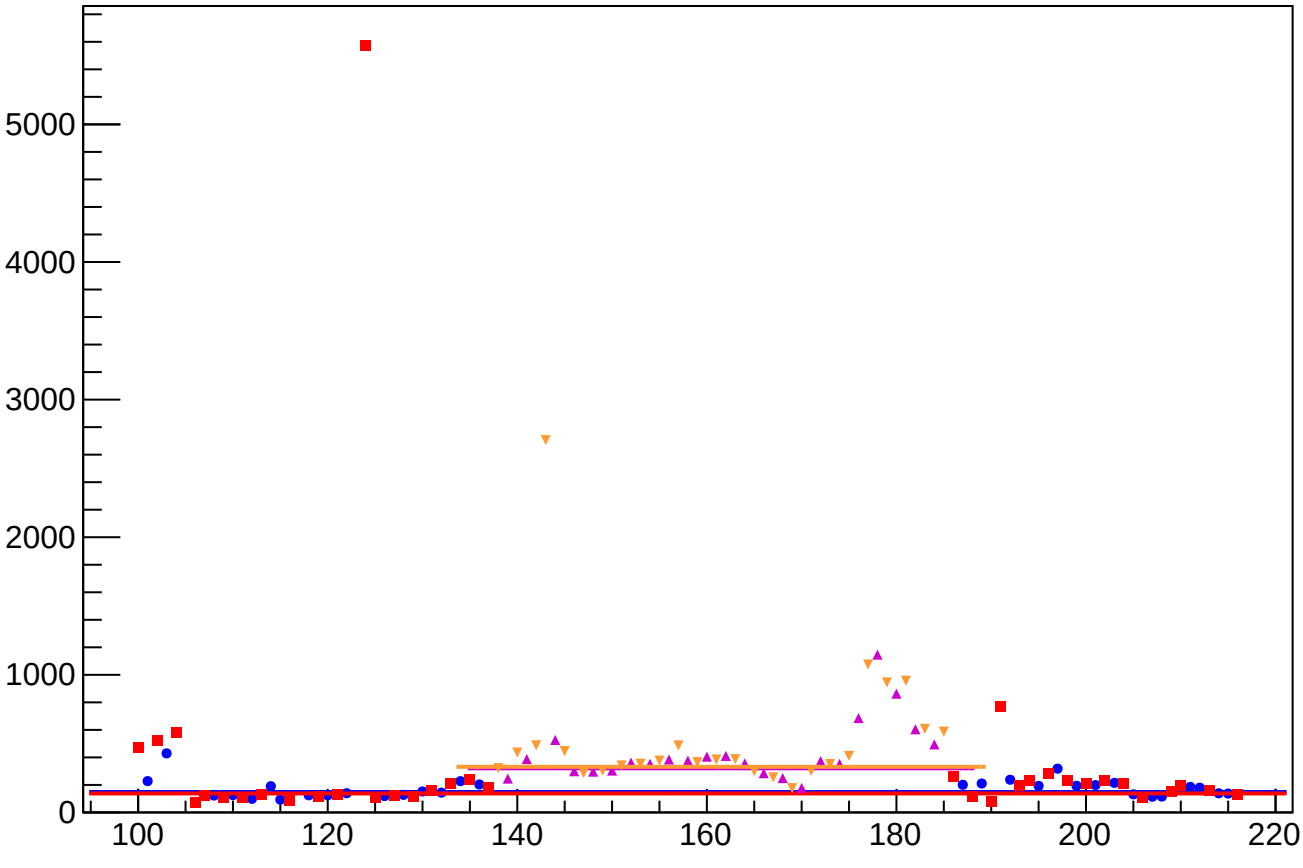
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.003+/-0.026 χ^2/NDF: 82.3/65

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.004+/-0.033 χ^2/NDF:74.6/59

All: -0.014+/-0.023 χ^2/NDF: 141.3/113



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: 138.047+/-0.025 χ^2/NDF: 5102267.9/34

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

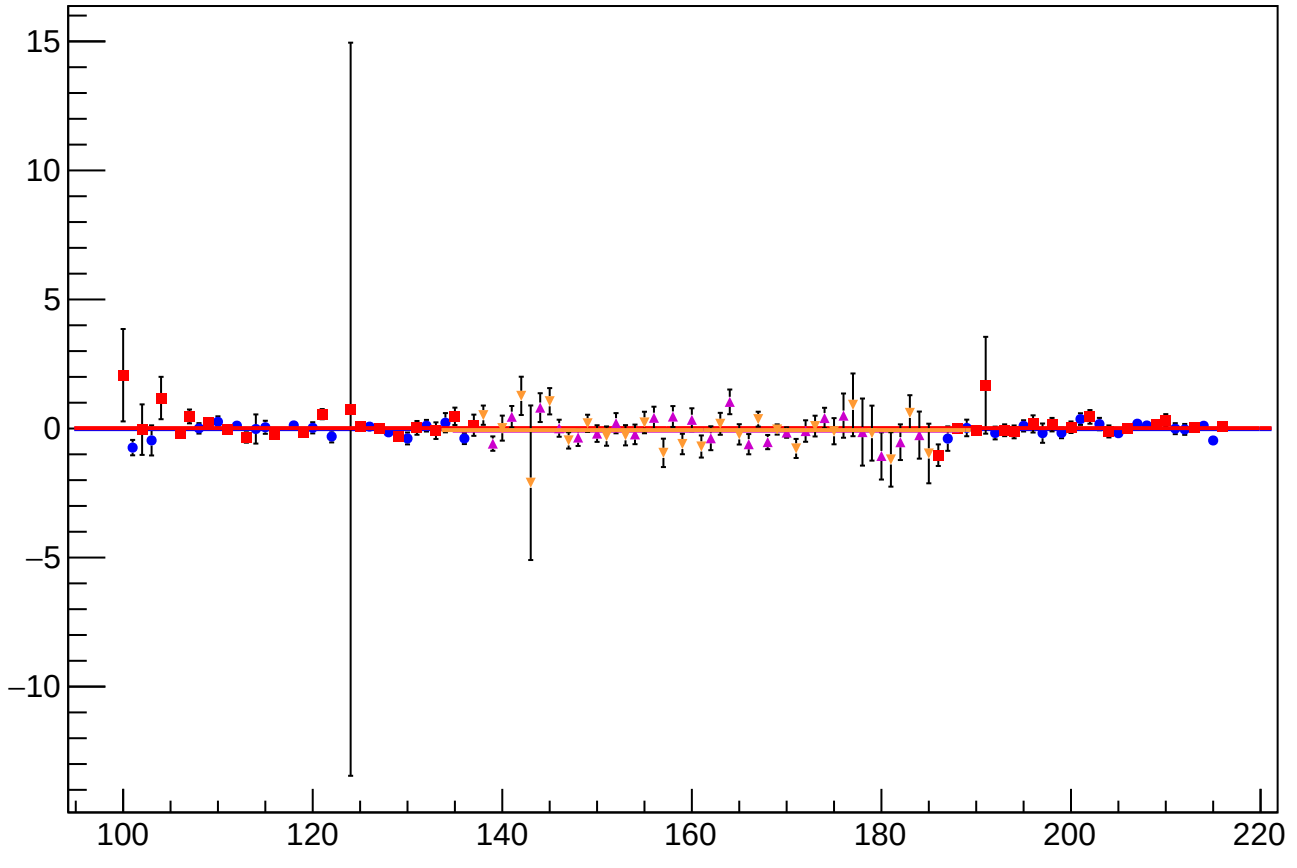
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 143.045+/-0.018 χ^2/NDF: 8155720.6/65

In: 178.007+/-0.024 χ^2/NDF:14686676.8/53

Out: 167.398+/-0.023 χ^2/NDF:20020336.8/59

All: 172.541+/-0.017 χ^2/NDF: 34809772.2/11



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: 0.016+/-0.035 χ^2/NDF: 43.1/34

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

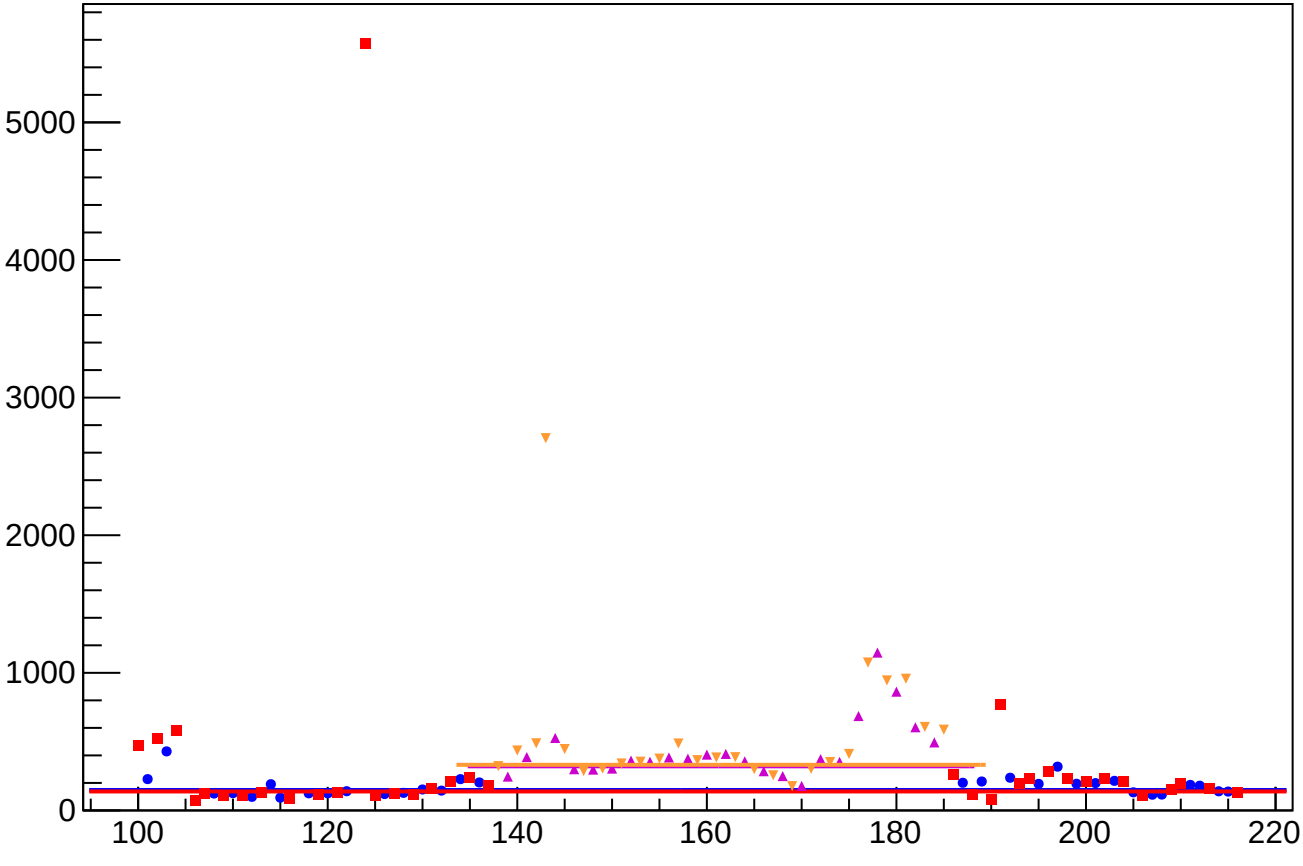
Right: -0.003+/-0.026 χ^2/NDF: 82.3/65

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.004+/-0.033 χ^2/NDF:74.6/59

All: -0.014+/-0.023 χ^2/NDF: 141.3/113

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: 138.047+/-0.025 χ^2/NDF: 5102267.9/34

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

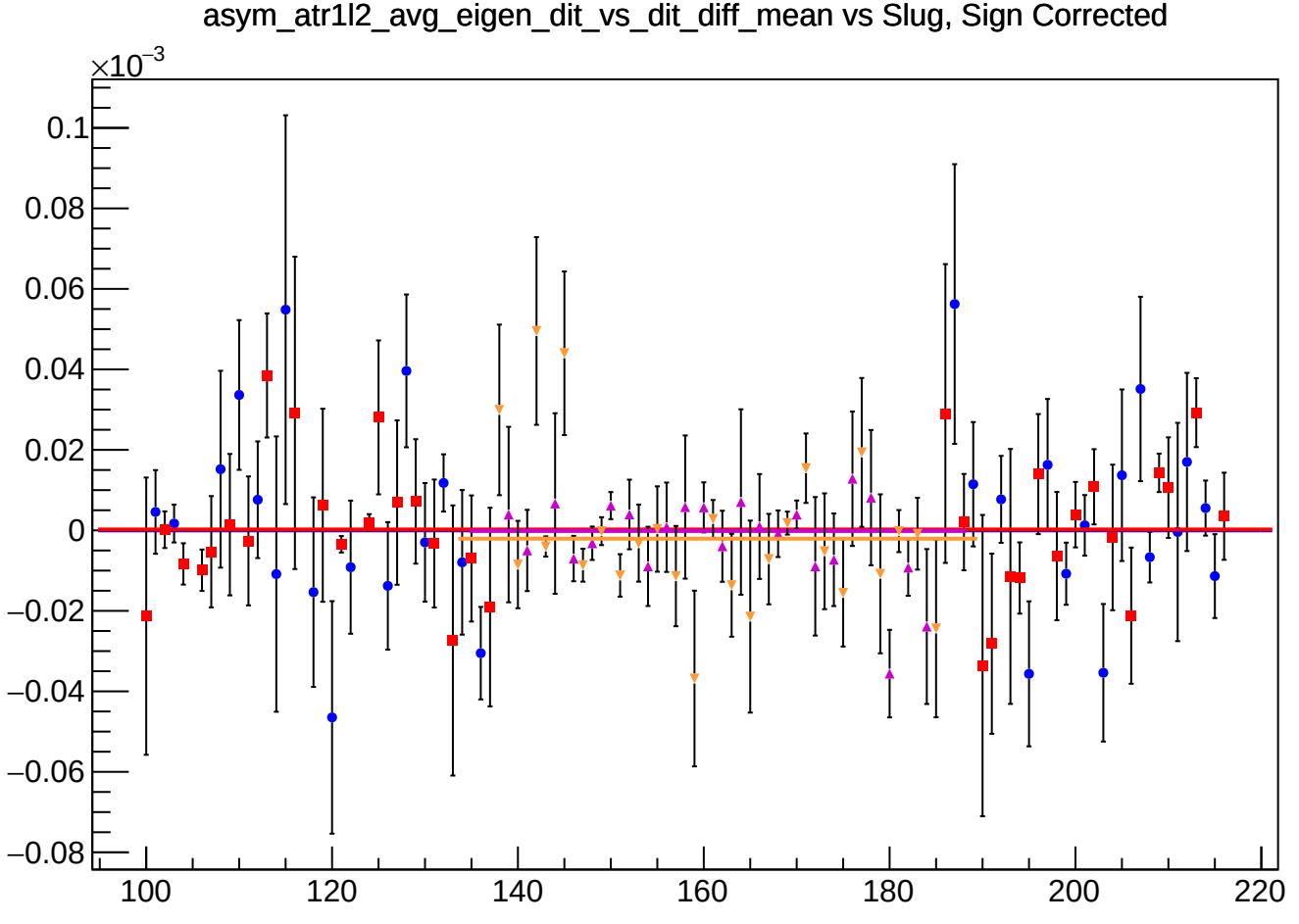
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 143.045+/-0.018 χ^2/NDF: 8155720.6/65

In: 178.007+/-0.024 χ^2/NDF:14686676.8/53

Out: 167.398+/-0.023 χ^2/NDF:20020336.8/59

All: 172.541+/-0.017 χ^2/NDF: 34809772.2/11



Right In: 0.000+/-0.000 χ^2/NDF: 45.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 52.1/34

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

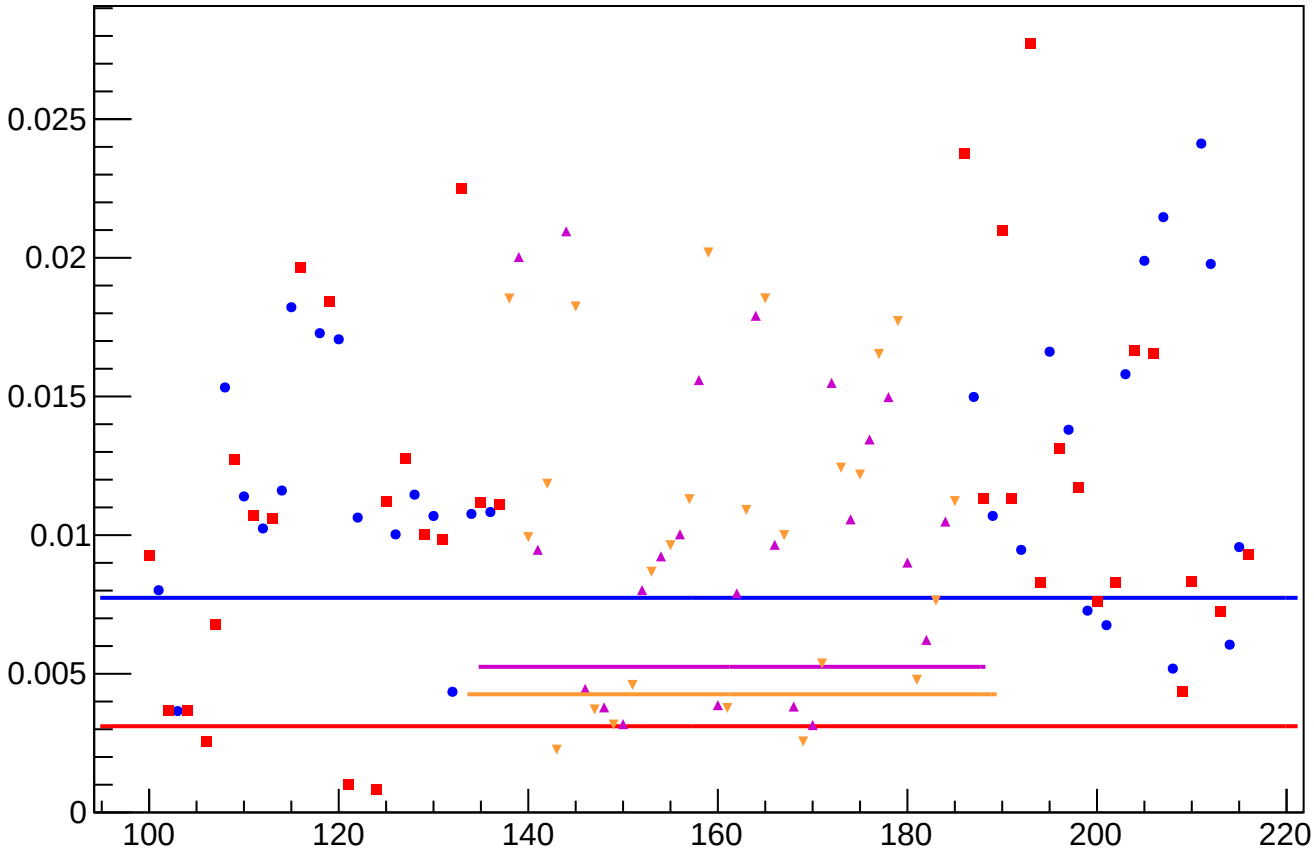
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: 0.000+/-0.000 χ^2/NDF: 97.4/65

In: -0.000+/-0.000 χ^2/NDF:70.2/53

Out: -0.000+/-0.000 χ^2/NDF:88.7/59

All: -0.000+/-0.000 χ^2/NDF: 159.1/113



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: 21364006.6/34

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

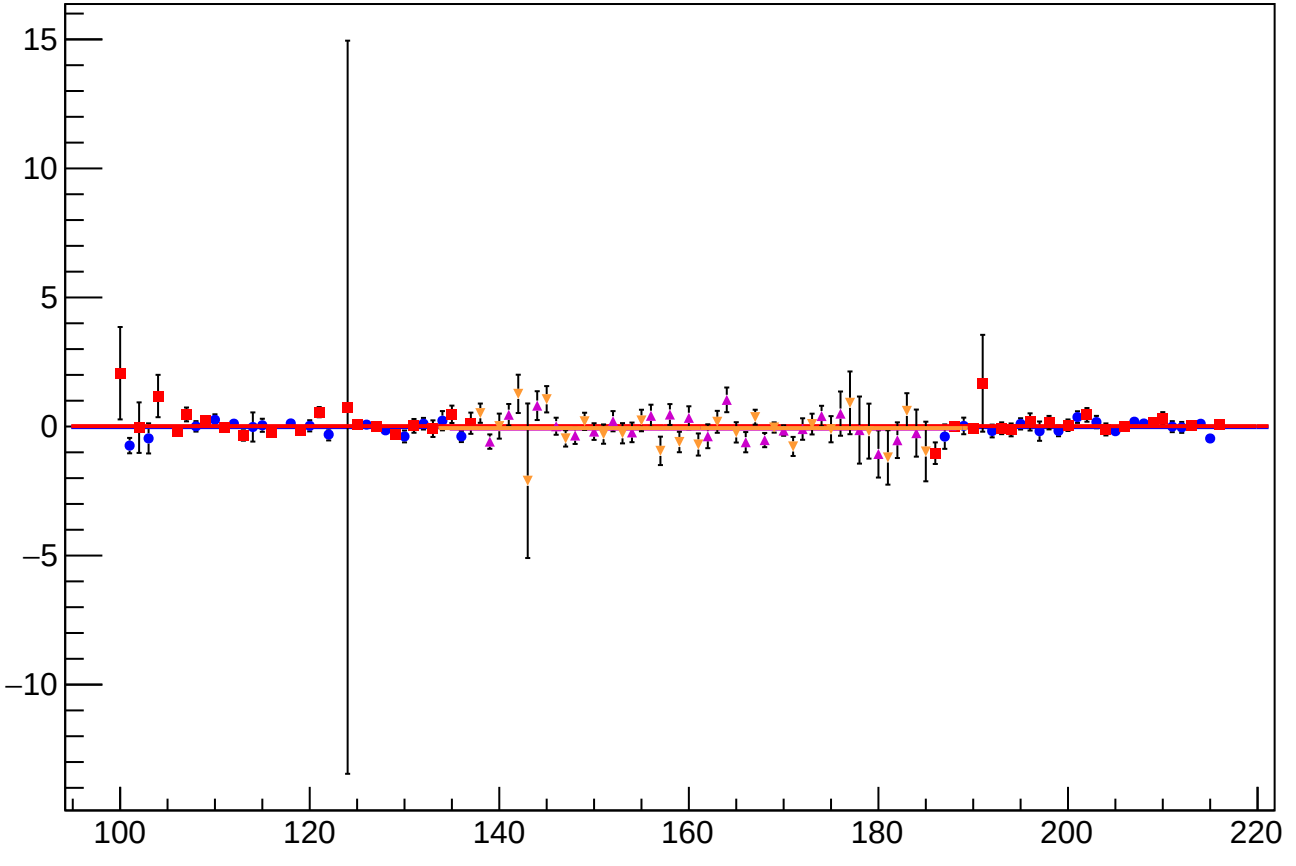
Right: 0.004+/-0.000 χ^2/NDF: 37167571.8/65

In: 0.006+/-0.000 χ^2/NDF:19492067.6/53

Out: 0.004+/-0.000 χ^2/NDF:35266165.9/59

All: 0.004+/-0.000 χ^2/NDF: 60404516.1/113

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: 0.016+/-0.035 χ^2/NDF: 43.1/34

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

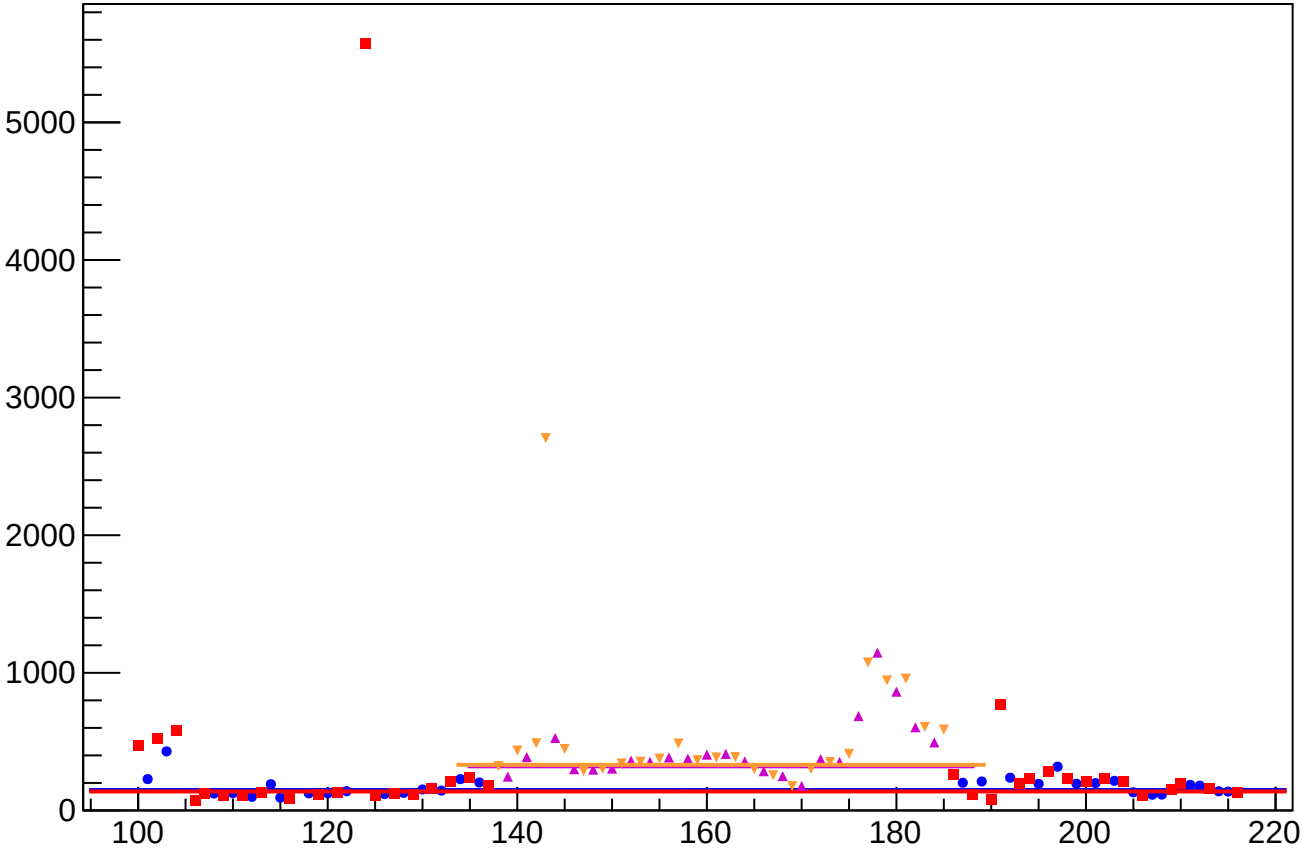
Right: -0.003+/-0.026 χ^2/NDF: 82.3/65

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.004+/-0.033 χ^2/NDF:74.6/59

All: -0.014+/-0.023 χ^2/NDF: 141.3/113

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: 138.047+/-0.025 χ^2/NDF: 5102290.7/34

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

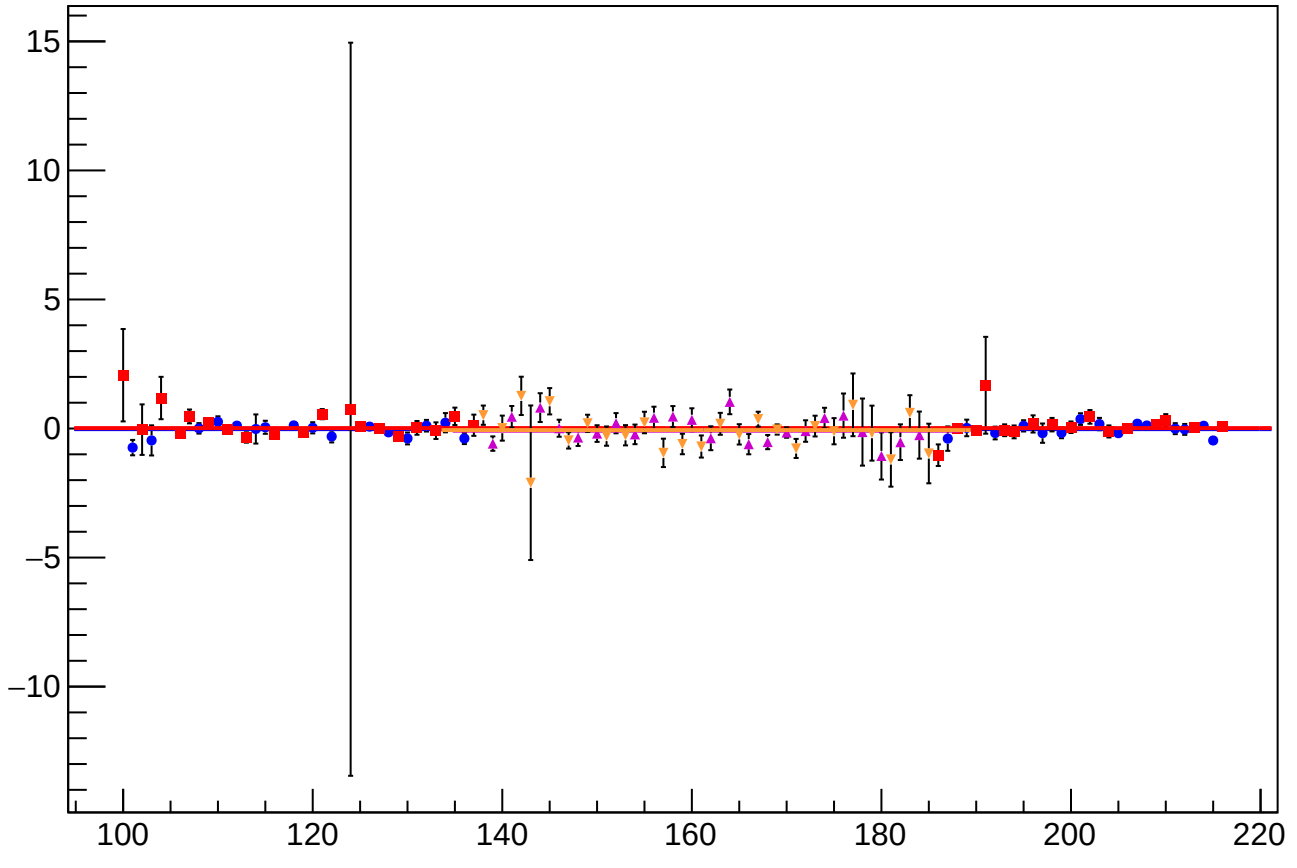
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 143.044+/-0.018 χ^2/NDF: 8155737.1/65

In: 178.007+/-0.024 χ^2/NDF:14686798.6/53

Out: 167.398+/-0.023 χ^2/NDF:20020567.7/59

All: 172.541+/-0.017 χ^2/NDF: 34810139.6/11



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: 0.016+/-0.035 χ^2/NDF: 43.1/34

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

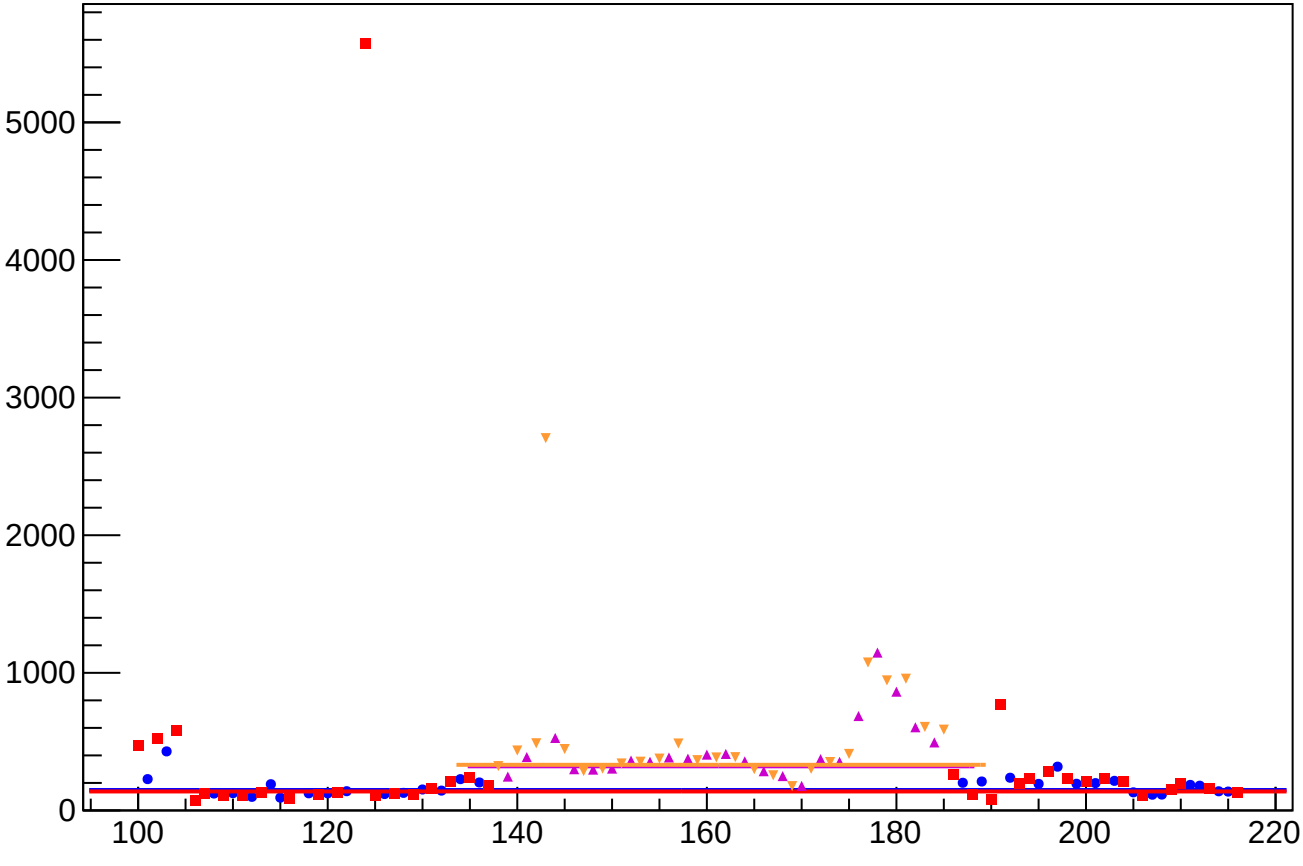
Right: -0.003+/-0.026 χ^2/NDF: 82.3/65

In: -0.034+/-0.034 χ^2/NDF:66.1/53

Out: 0.004+/-0.033 χ^2/NDF:74.6/59

All: -0.014+/-0.023 χ^2/NDF: 141.3/113

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: 138.047+/-0.025 χ^2/NDF: 5102290.7/34

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

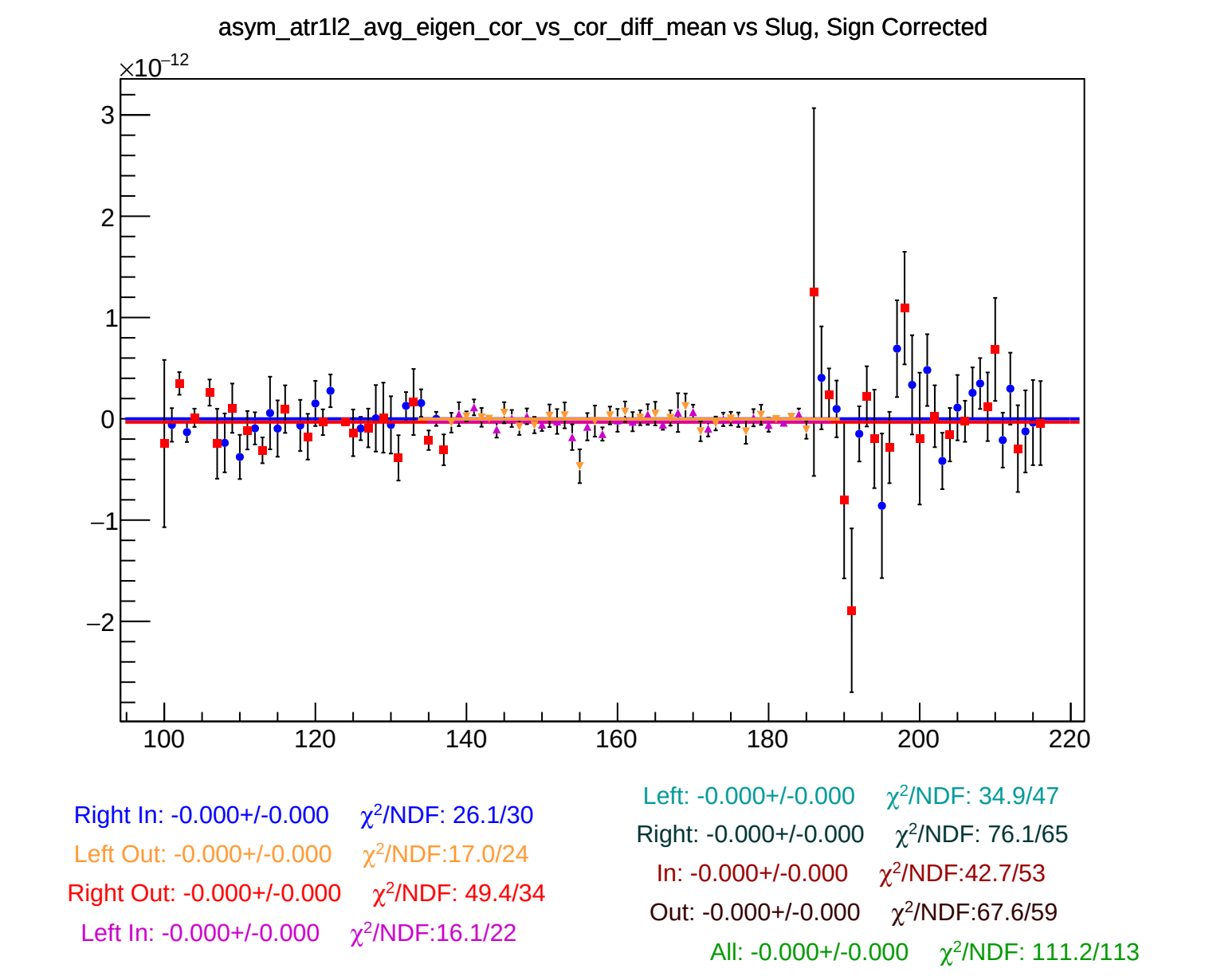
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

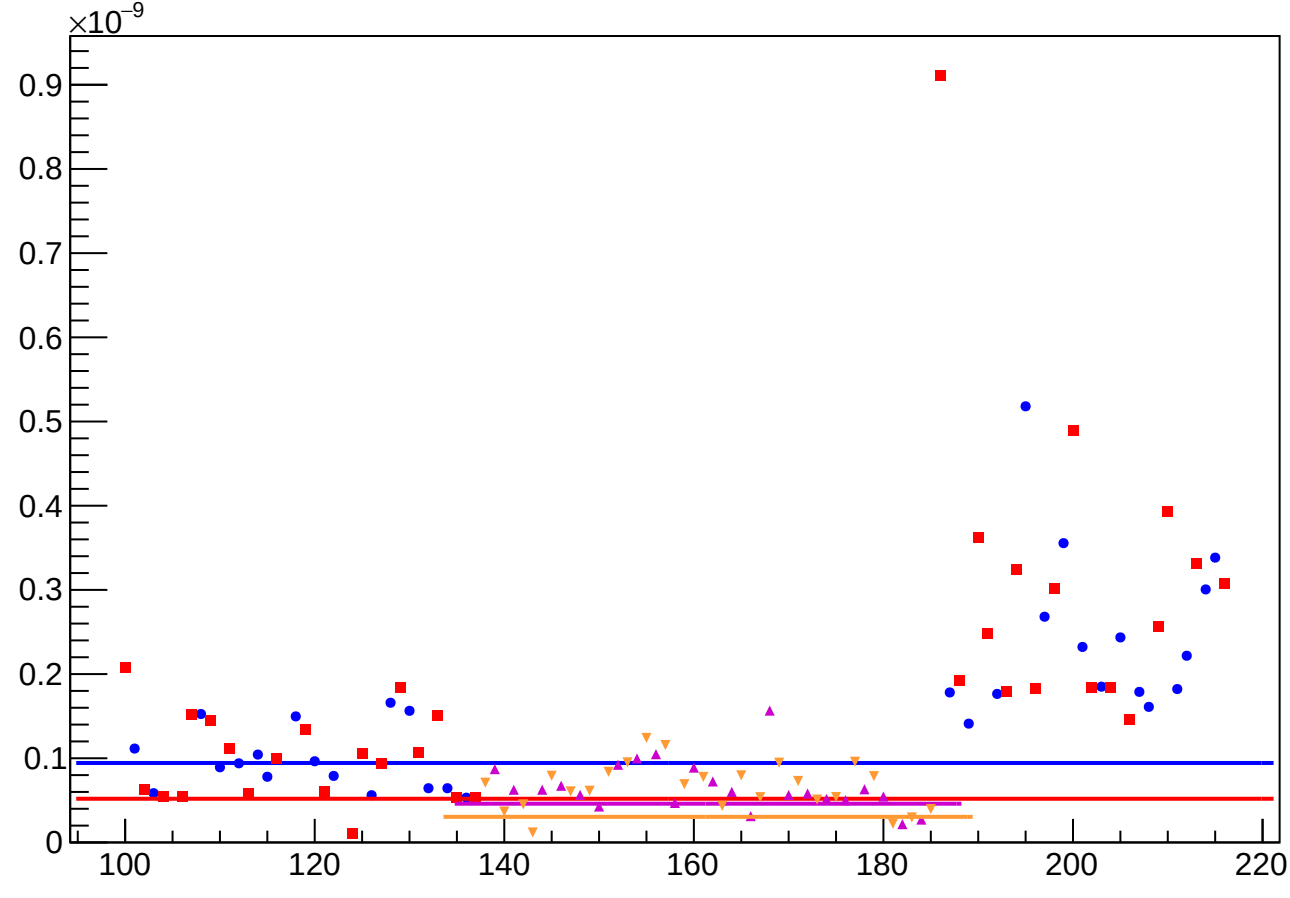
Right: 143.044+/-0.018 χ^2/NDF: 8155737.1/65

In: 178.007+/-0.024 χ^2/NDF:14686798.6/53

Out: 167.398+/-0.023 χ^2/NDF:20020567.7/59

All: 172.541+/-0.017 χ^2/NDF: 34810139.6/11


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
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: 49.4/34
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: 76.1/65
In: -0.000+/-0.000 χ²/NDF:42.7/53
Out: -0.000+/-0.000 χ²/NDF:67.6/59
All: -0.000+/-0.000 χ²/NDF: 111.2/113



Right In: 0.000+/-0.000 χ^2/NDF: 6598242.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13414981.7/34

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

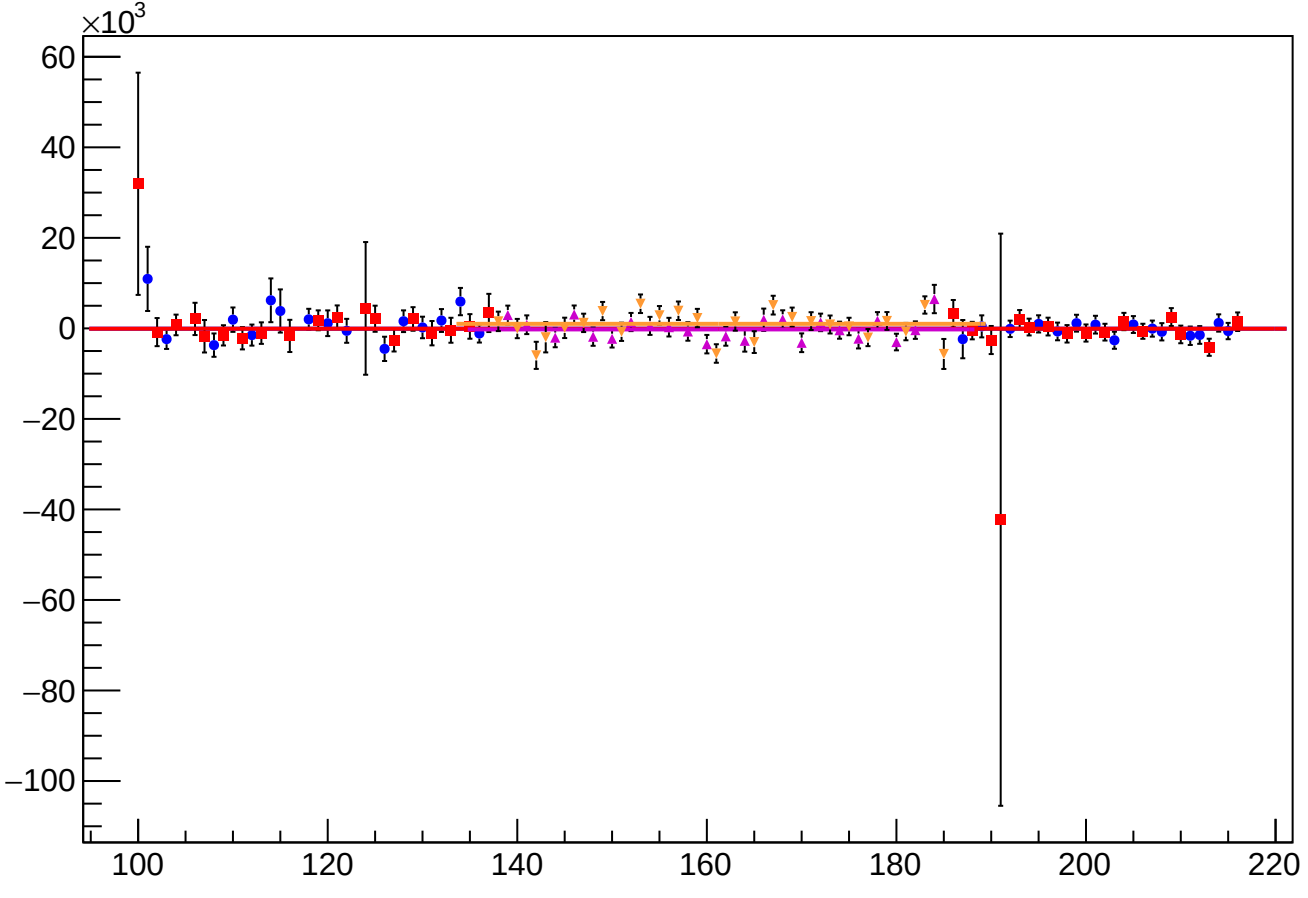
Right: 0.000+/-0.000 χ^2/NDF: 22058995.7/65

In: 0.000+/-0.000 χ^2/NDF:14902157.7/53

Out: 0.000+/-0.000 χ^2/NDF:25223856.4/59

All: 0.000+/-0.000 χ^2/NDF: 42885498.8/113

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: -72.522+/-404.303 χ^2/NDF: 21.5/34

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

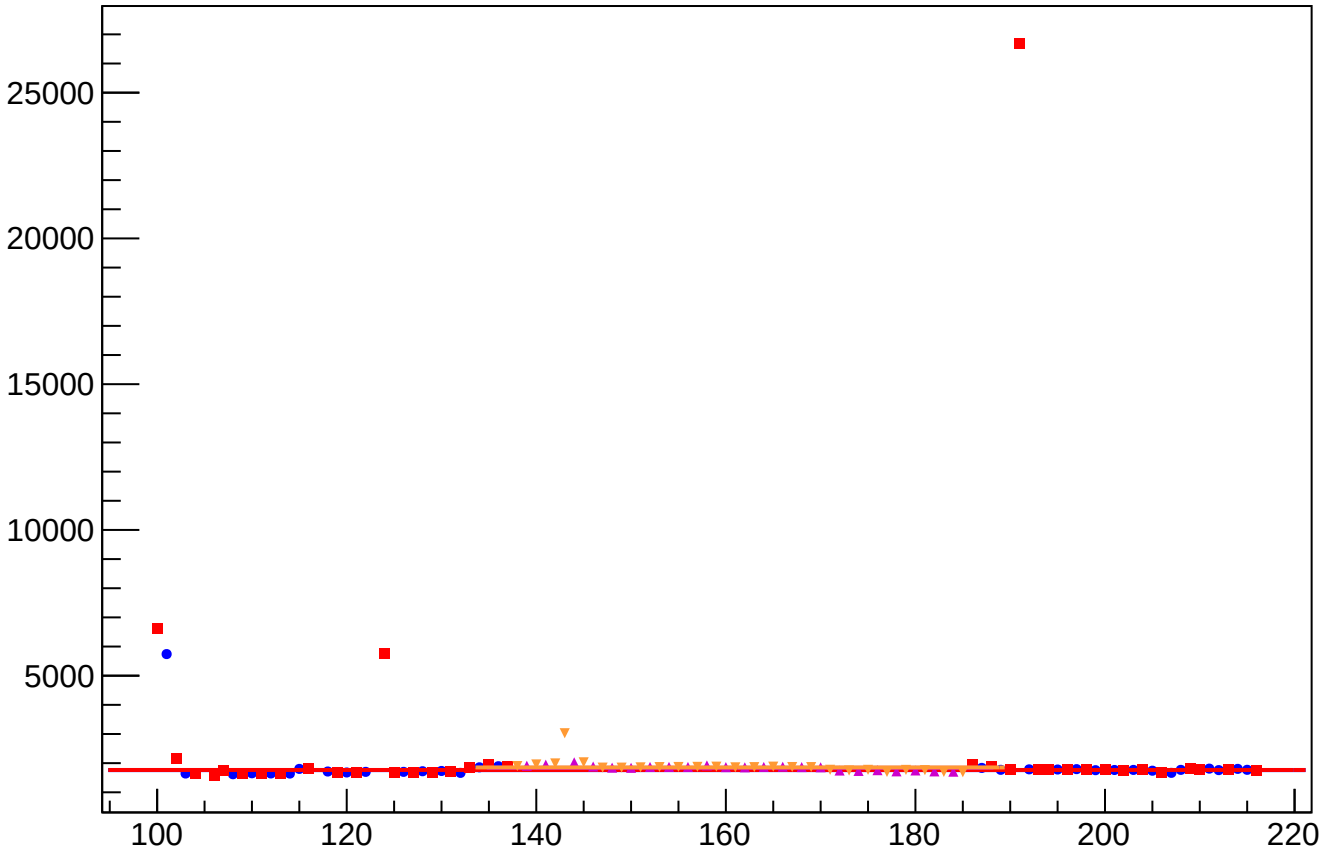
Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

Right: -73.353+/-286.016 χ^2/NDF: 44.5/65

In: -147.104+/-294.597 χ^2/NDF:49.4/53

Out: 442.031+/-292.134 χ^2/NDF:72.2/59

All: 149.937+/-207.435 χ^2/NDF: 123.7/113



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: 1765.960+/-0.285 χ^2/NDF: 646358.2/34

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

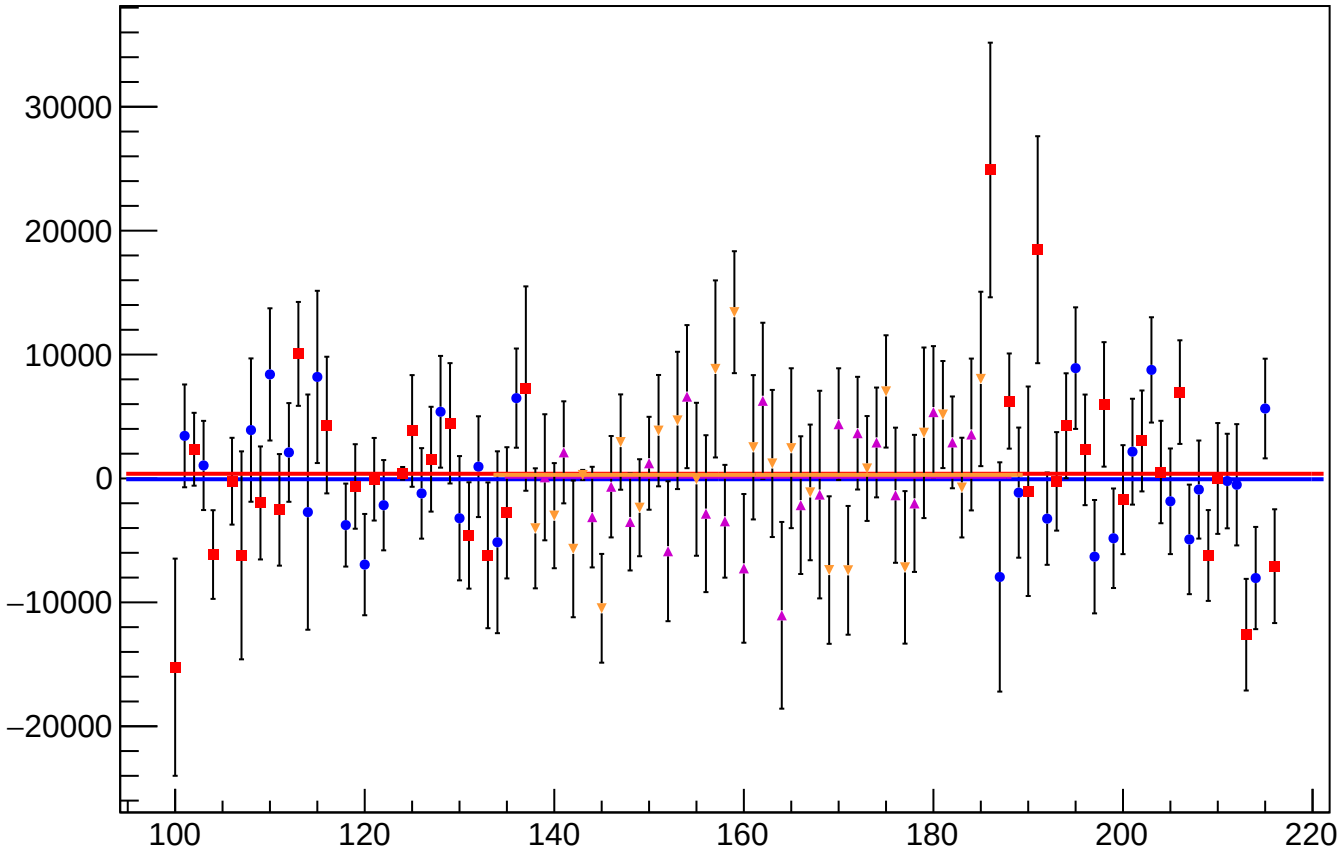
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.491+/-0.202 χ^2/NDF: 1326742.8/65

In: 1797.443+/-0.208 χ^2/NDF:783212.3/53

Out: 1807.212+/-0.206 χ^2/NDF:1011341.0/59

All: 1802.376+/-0.147 χ^2/NDF: 1795663.9/11



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: 379.100+/-425.277 χ^2/NDF: 50.8/34

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

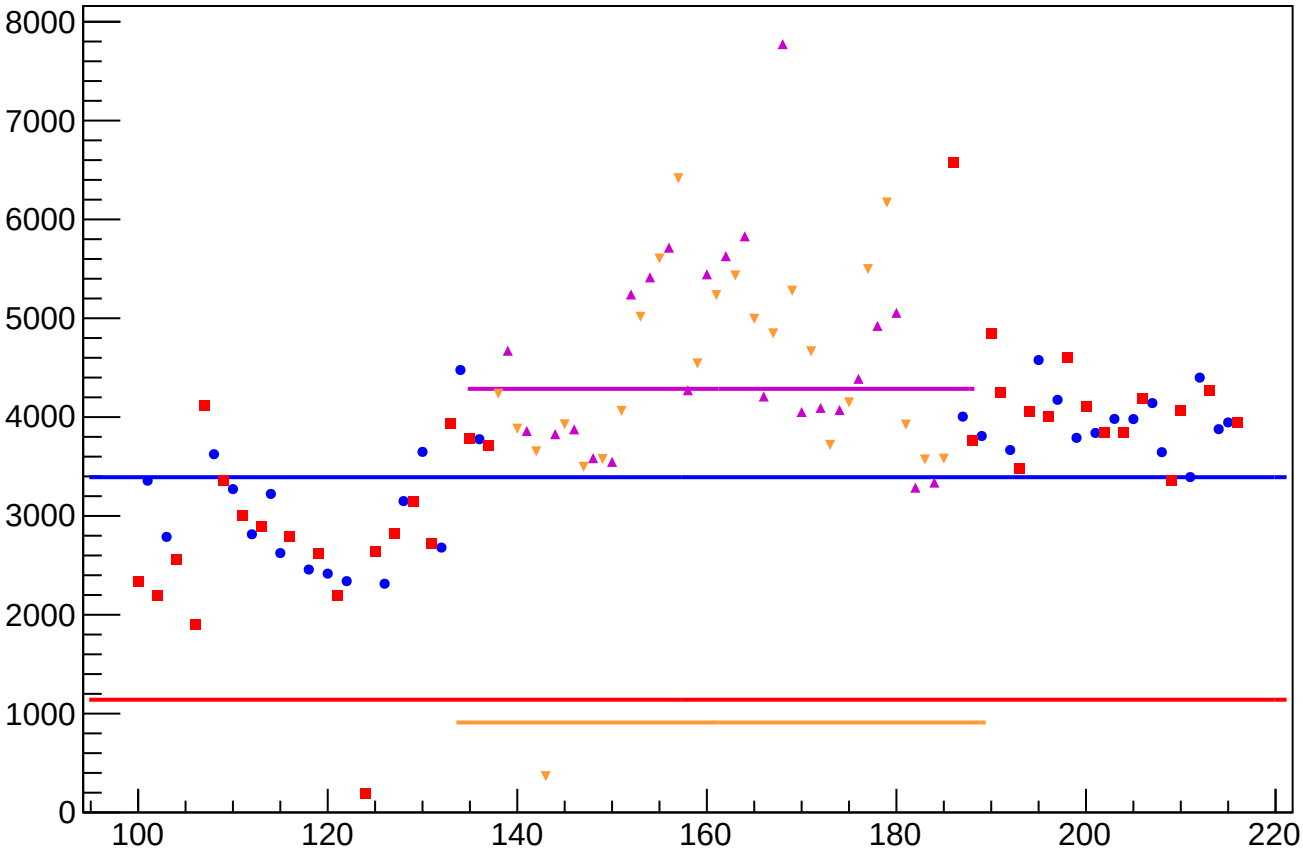
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 279.631+/-374.338 χ^2/NDF: 86.1/65

In: 12.352+/-624.655 χ^2/NDF:48.9/53

Out: 331.998+/-283.329 χ^2/NDF:80.9/59

All: 277.458+/-258.027 χ^2/NDF: 130.0/113



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: 1140.675+/-0.301 χ^2/NDF: 24630292.1/34

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

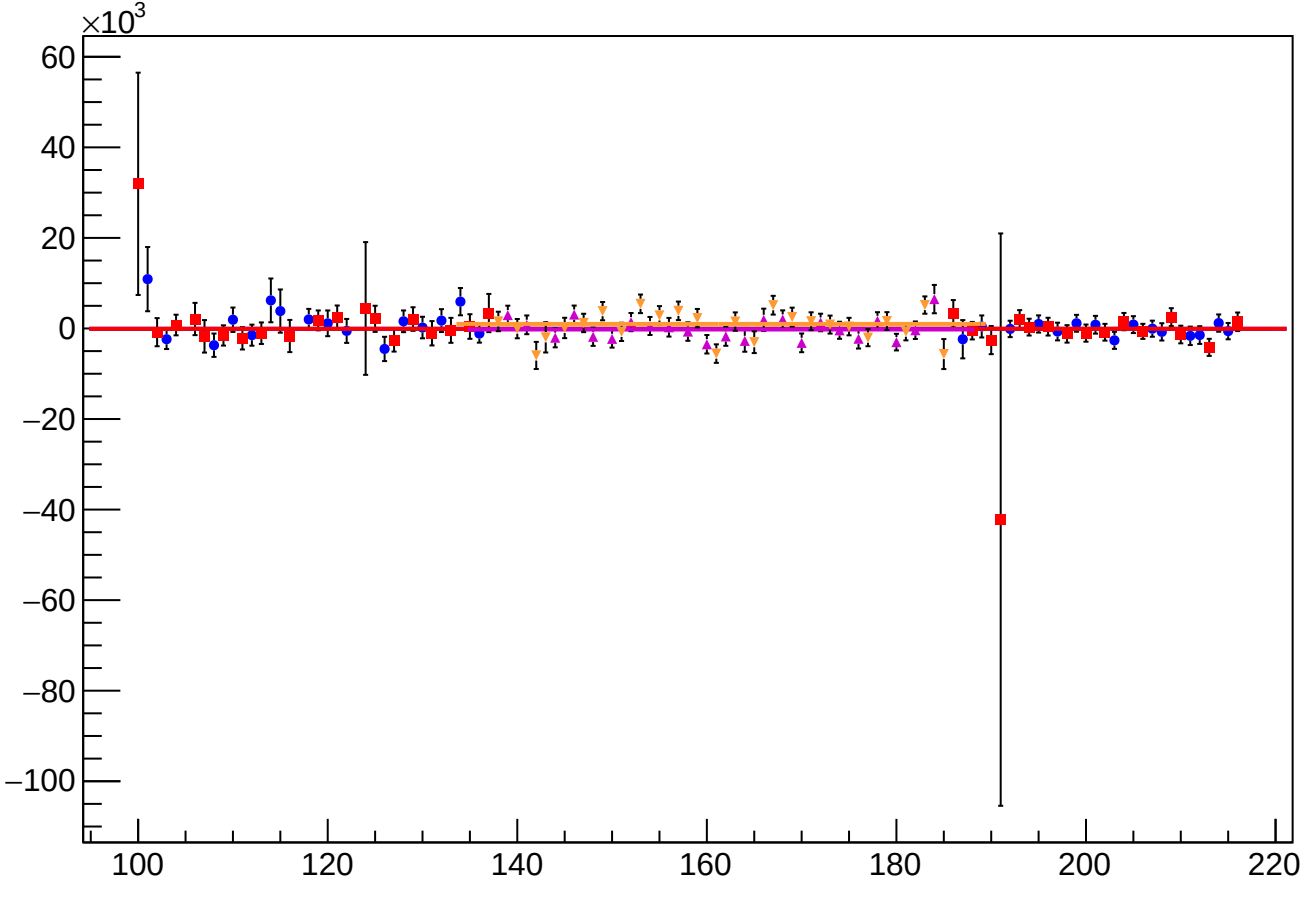
Right: 1647.697+/-0.265 χ^2/NDF: 38667132.8/65

In: 3725.289+/-0.442 χ^2/NDF:3699878.7/53

Out: 1012.460+/-0.200 χ^2/NDF:51731281.4/59

All: 1475.344+/-0.182 χ^2/NDF: 86716745.0/

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: -72.515+/-404.303 χ^2/NDF: 21.5/34

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

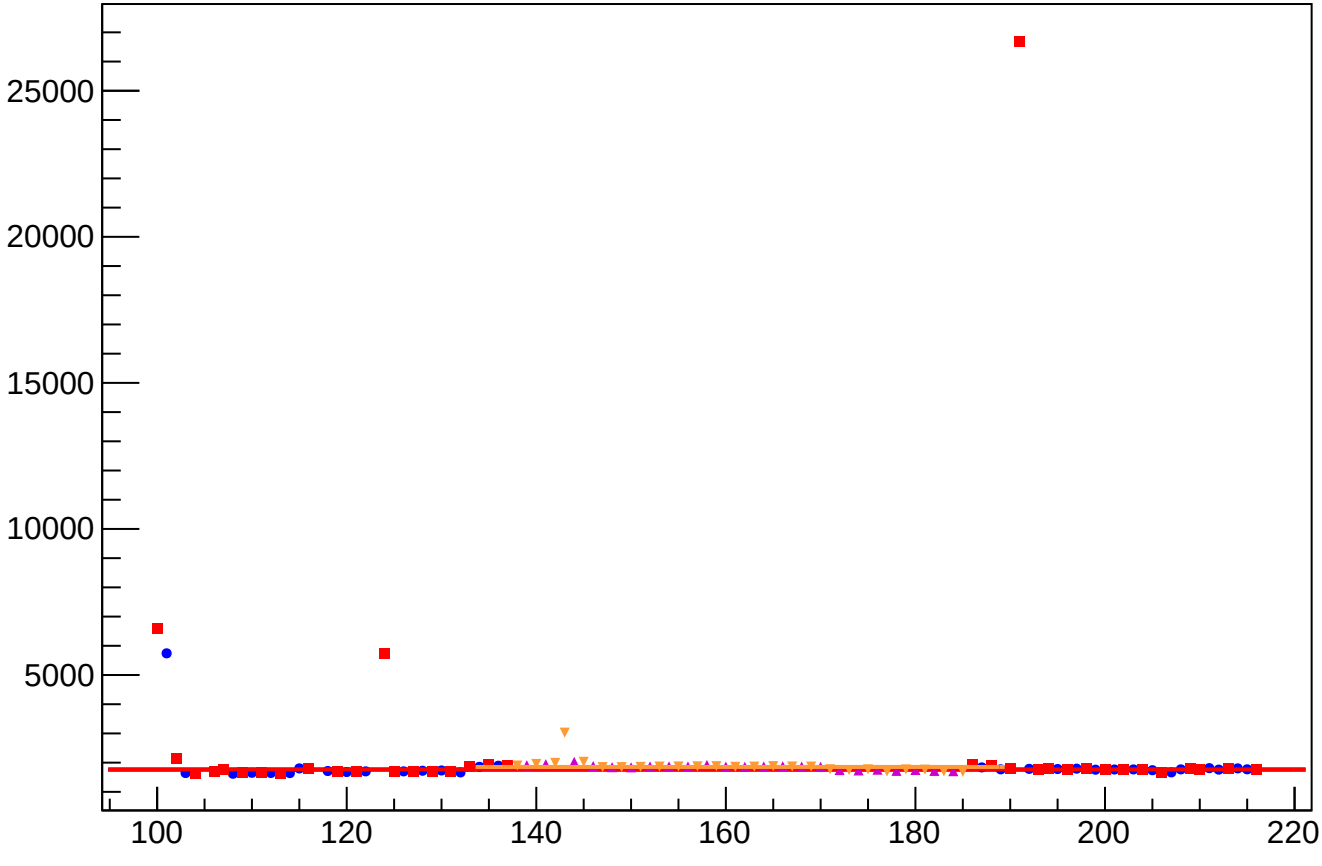
Right: -73.418+/-286.016 χ^2/NDF: 44.4/65

In: -147.138+/-294.597 χ^2/NDF:49.4/53

Out: 442.016+/-292.134 χ^2/NDF:72.2/59

All: 149.912+/-207.435 χ^2/NDF: 123.7/113

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: 1768.597+/-0.285 χ^2/NDF: 638217.3/34

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

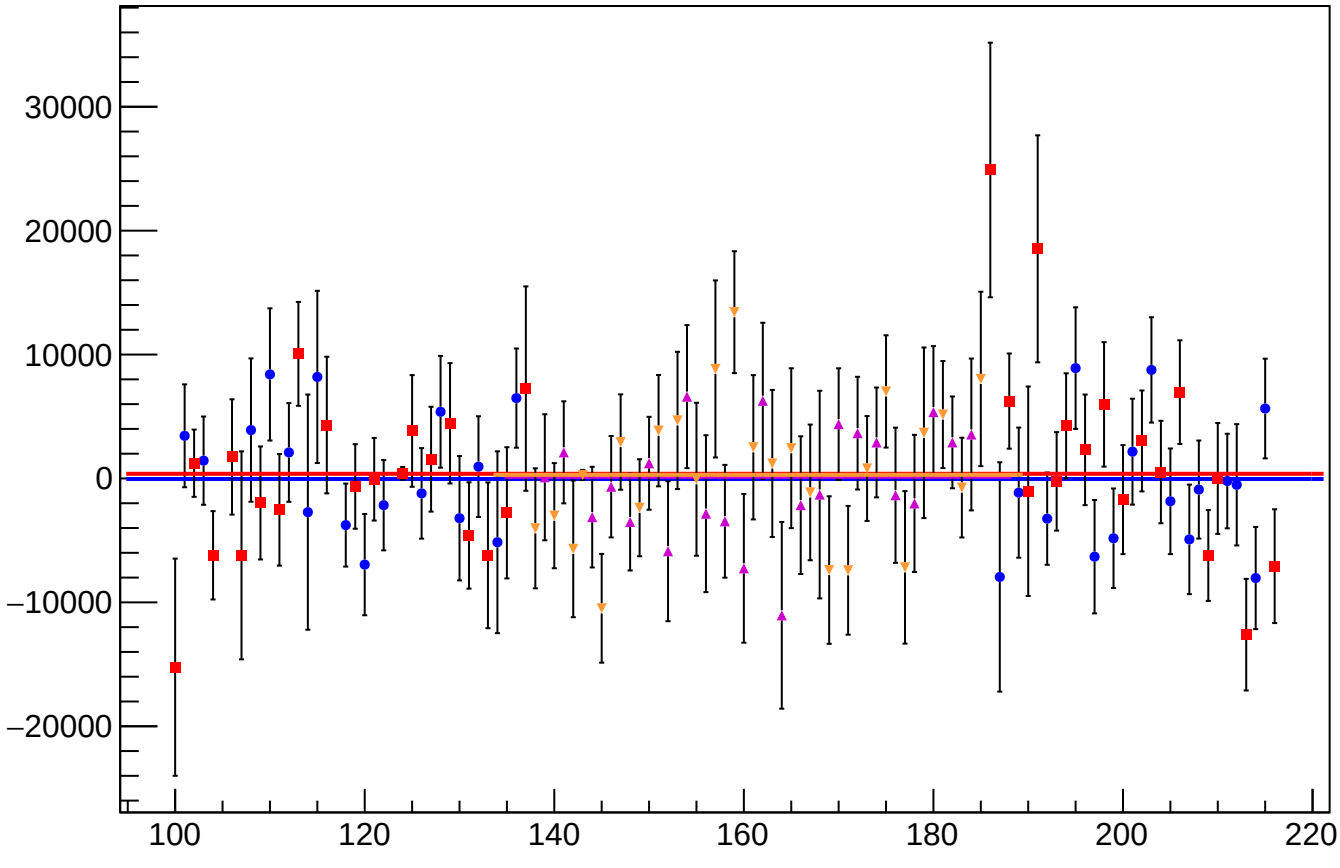
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1764.809+/-0.202 χ^2/NDF: 1318804.3/65

In: 1797.443+/-0.208 χ^2/NDF:783212.6/53

Out: 1808.651+/-0.206 χ^2/NDF:1000509.4/59

All: 1803.098+/-0.147 χ^2/NDF: 1785182.7/11



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: 377.341+/-426.009 χ^2/NDF: 50.6/34

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

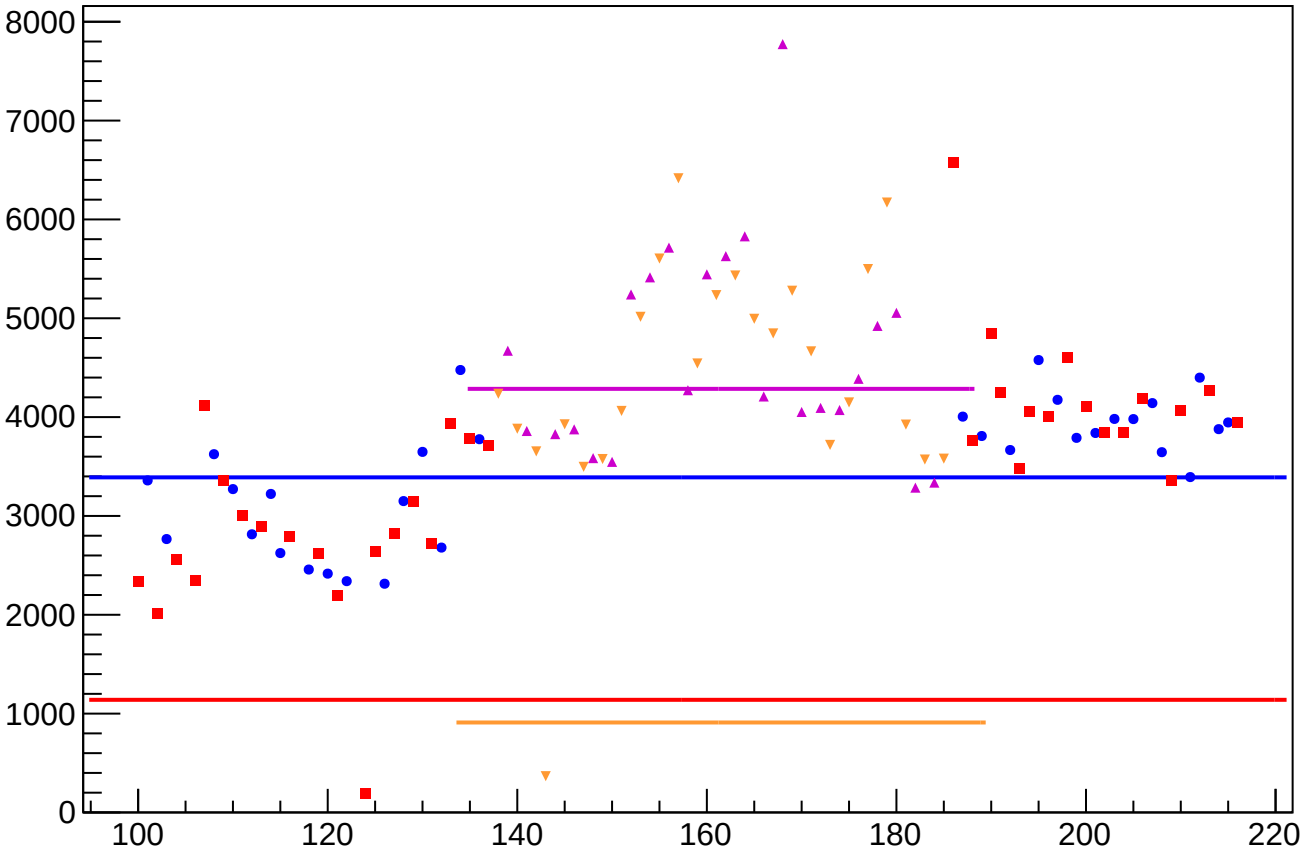
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 282.463+/-374.796 χ^2/NDF: 85.9/65

In: 24.864+/-624.464 χ^2/NDF:49.0/53

Out: 331.652+/-283.557 χ^2/NDF:80.7/59

All: 279.209+/-258.186 χ^2/NDF: 129.9/113



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: 1139.593+/-0.301 χ^2/NDF: 24605830.8/34

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

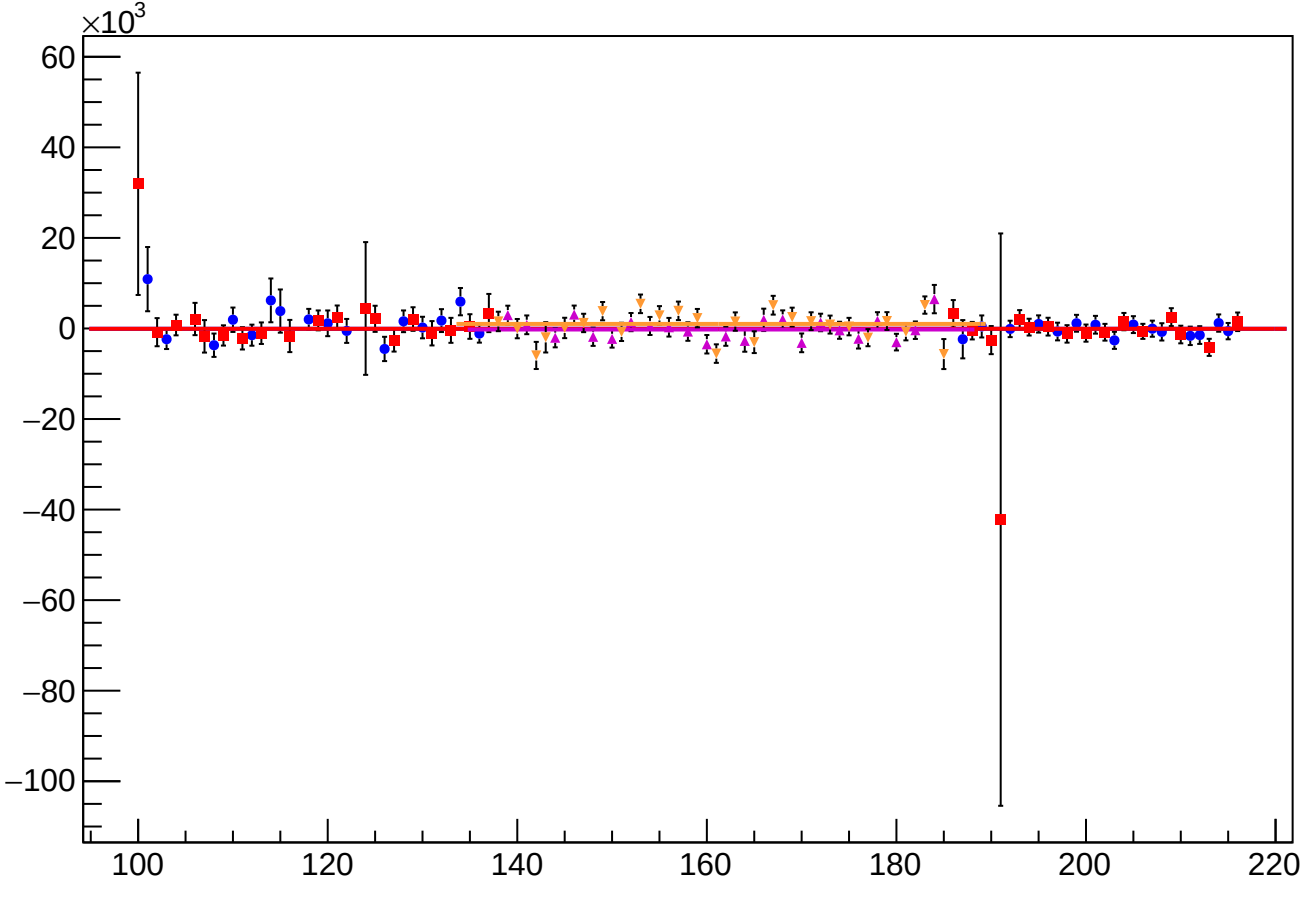
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1648.232+/-0.265 χ^2/NDF: 38641942.1/65

In: 3724.078+/-0.442 χ^2/NDF:3709096.8/53

Out: 1011.860+/-0.201 χ^2/NDF:51701629.2/59

All: 1475.492+/-0.183 χ^2/NDF: 86689424.8/1



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: -72.515+/-404.303 χ^2/NDF: 21.5/34

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

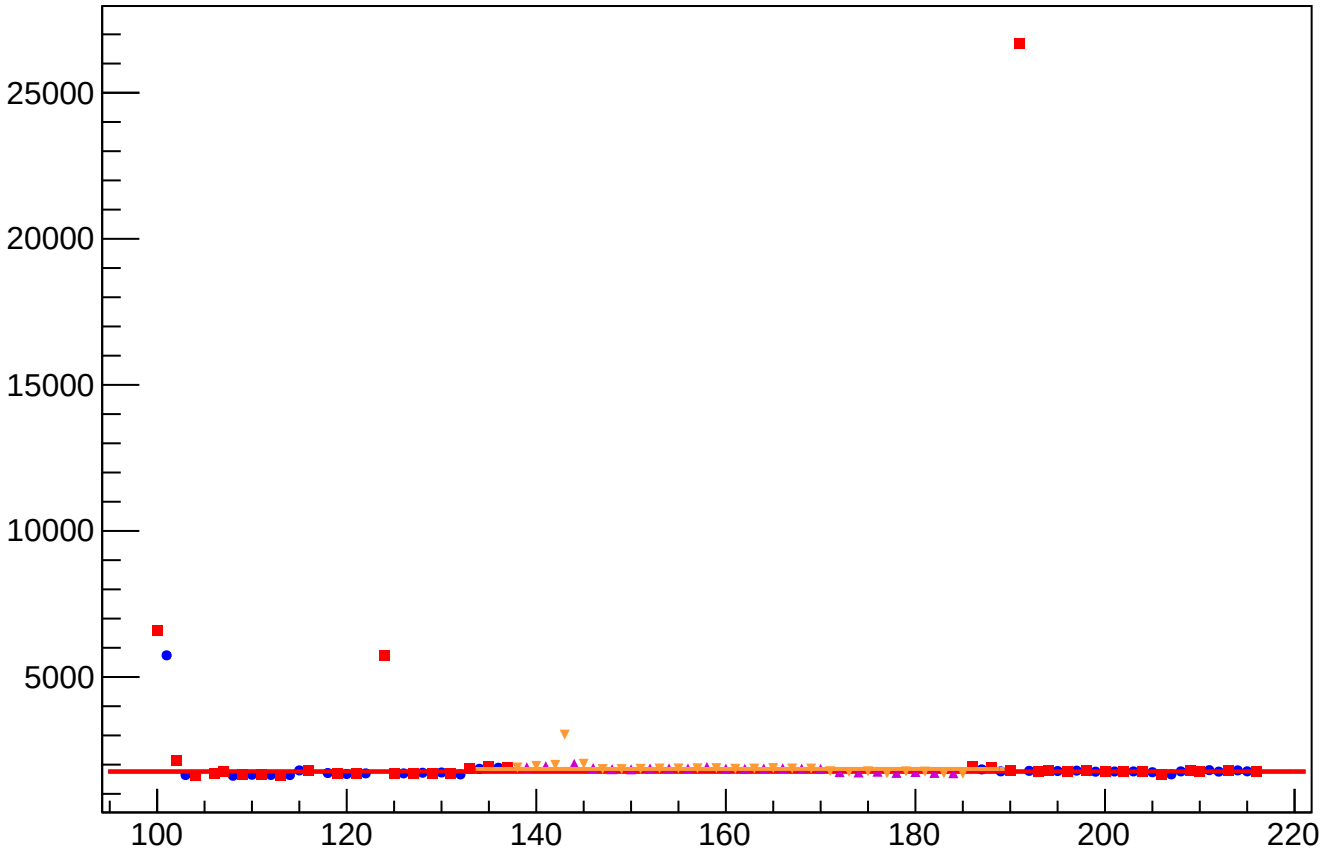
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: -73.418+/-286.016 χ^2/NDF: 44.4/65

In: -147.138+/-294.597 χ^2/NDF:49.4/53

Out: 442.016+/-292.134 χ^2/NDF:72.2/59

All: 149.912+/-207.435 χ^2/NDF: 123.7/113



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: 1768.597+/-0.285 χ^2/NDF: 638217.3/34

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

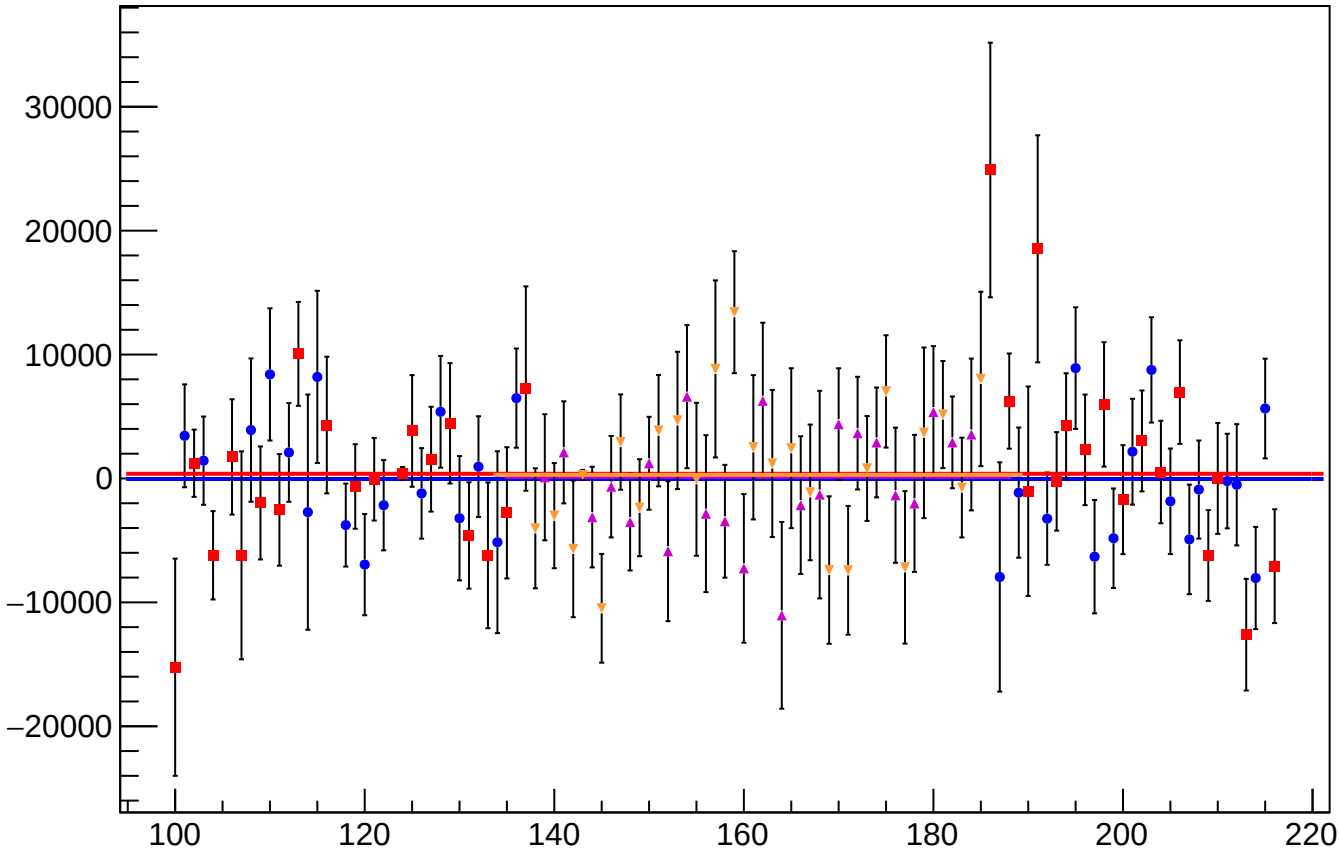
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1764.809+/-0.202 χ^2/NDF: 1318804.3/65

In: 1797.443+/-0.208 χ^2/NDF:783212.6/53

Out: 1808.651+/-0.206 χ^2/NDF:1000509.4/59

All: 1803.098+/-0.147 χ^2/NDF: 1785182.7/11



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: 377.341+/-426.009 χ^2/NDF: 50.6/34

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

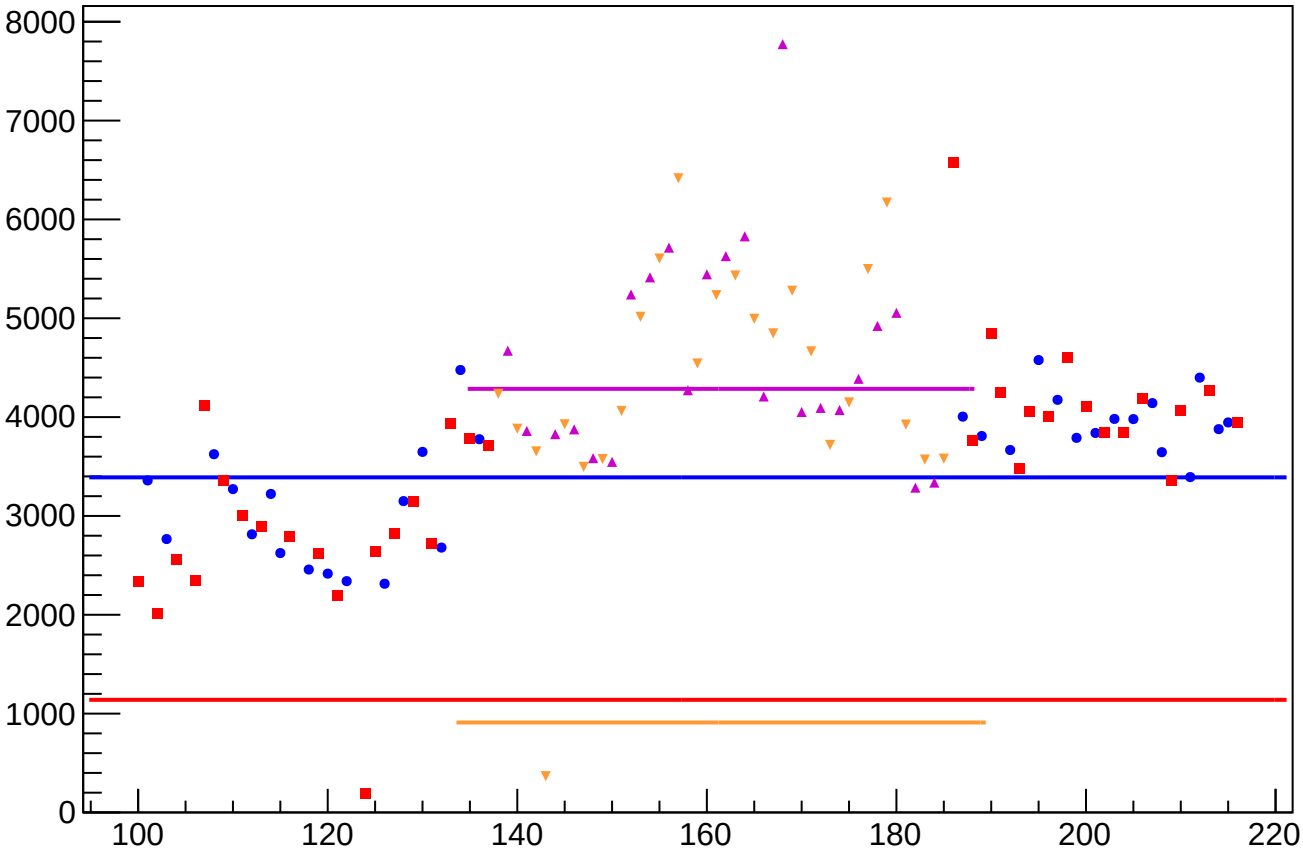
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 282.463+/-374.796 χ^2/NDF: 85.9/65

In: 24.864+/-624.464 χ^2/NDF:49.0/53

Out: 331.652+/-283.557 χ^2/NDF:80.7/59

All: 279.209+/-258.186 χ^2/NDF: 129.9/113



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: 1139.593+/-0.301 χ^2/NDF: 24605830.8/34

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

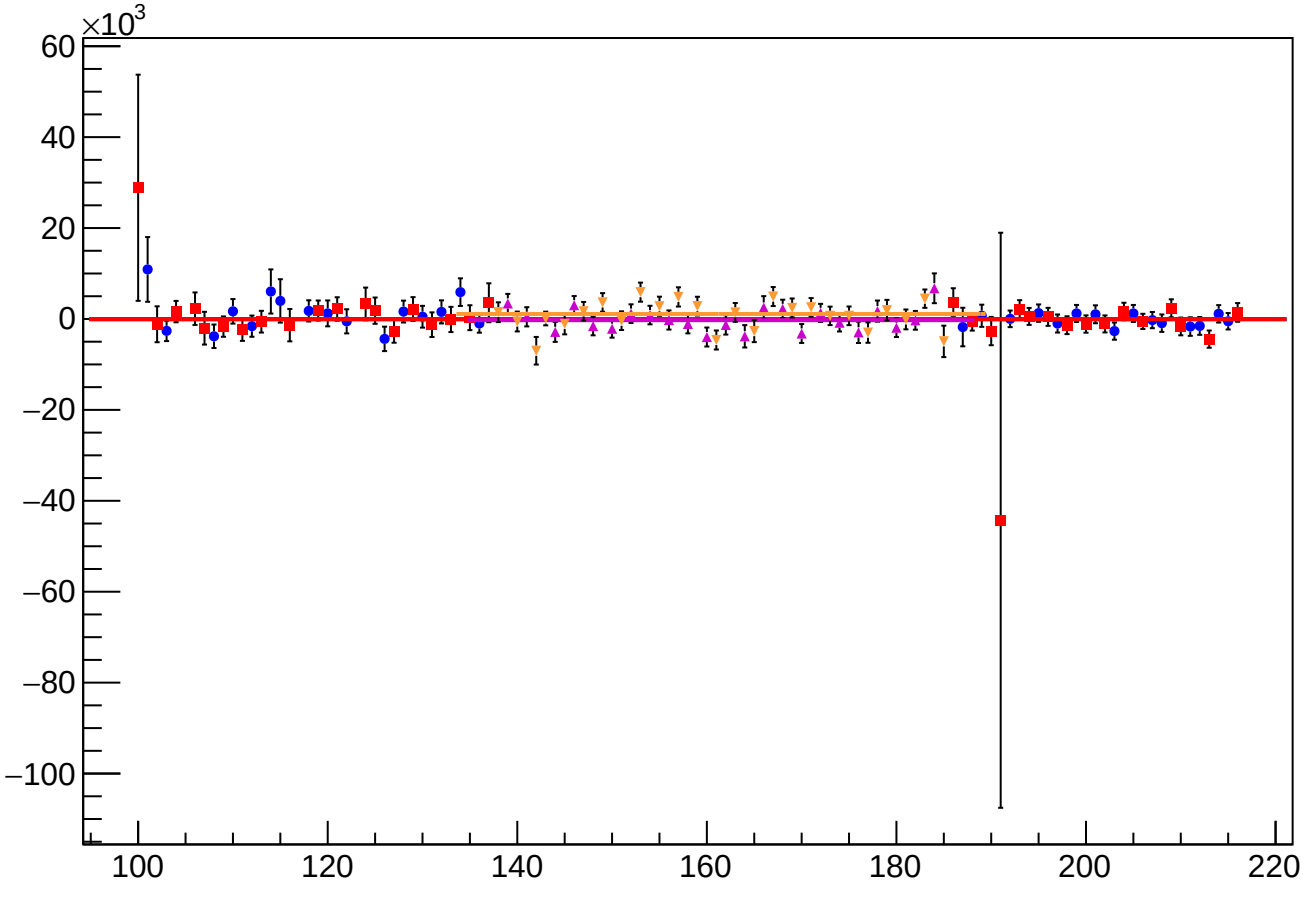
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1648.232+/-0.265 χ^2/NDF: 38641942.1/65

In: 3724.078+/-0.442 χ^2/NDF:3709096.8/53

Out: 1011.860+/-0.201 χ^2/NDF:51701629.2/59

All: 1475.492+/-0.183 χ^2/NDF: 86689424.8/1



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: -36.385+/-405.450 χ^2/NDF: 24.0/34

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

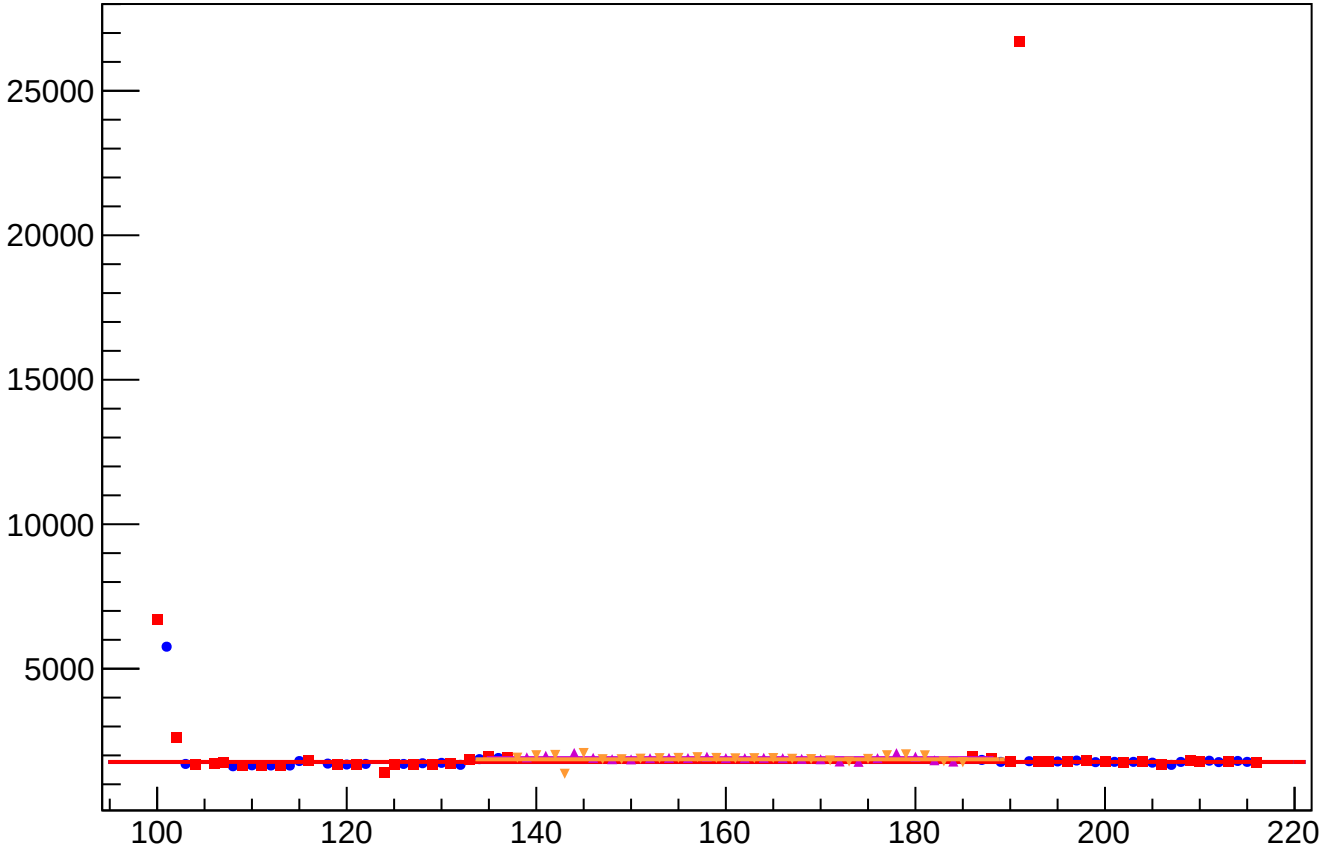
Right: -46.356+/-287.204 χ^2/NDF: 47.3/65

In: -151.125+/-300.393 χ^2/NDF:51.1/53

Out: 506.218+/-293.470 χ^2/NDF:72.5/59

All: 185.209+/-209.919 χ^2/NDF: 126.1/113

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: 1773.615+/-0.286 χ^2/NDF: 570027.4/34

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

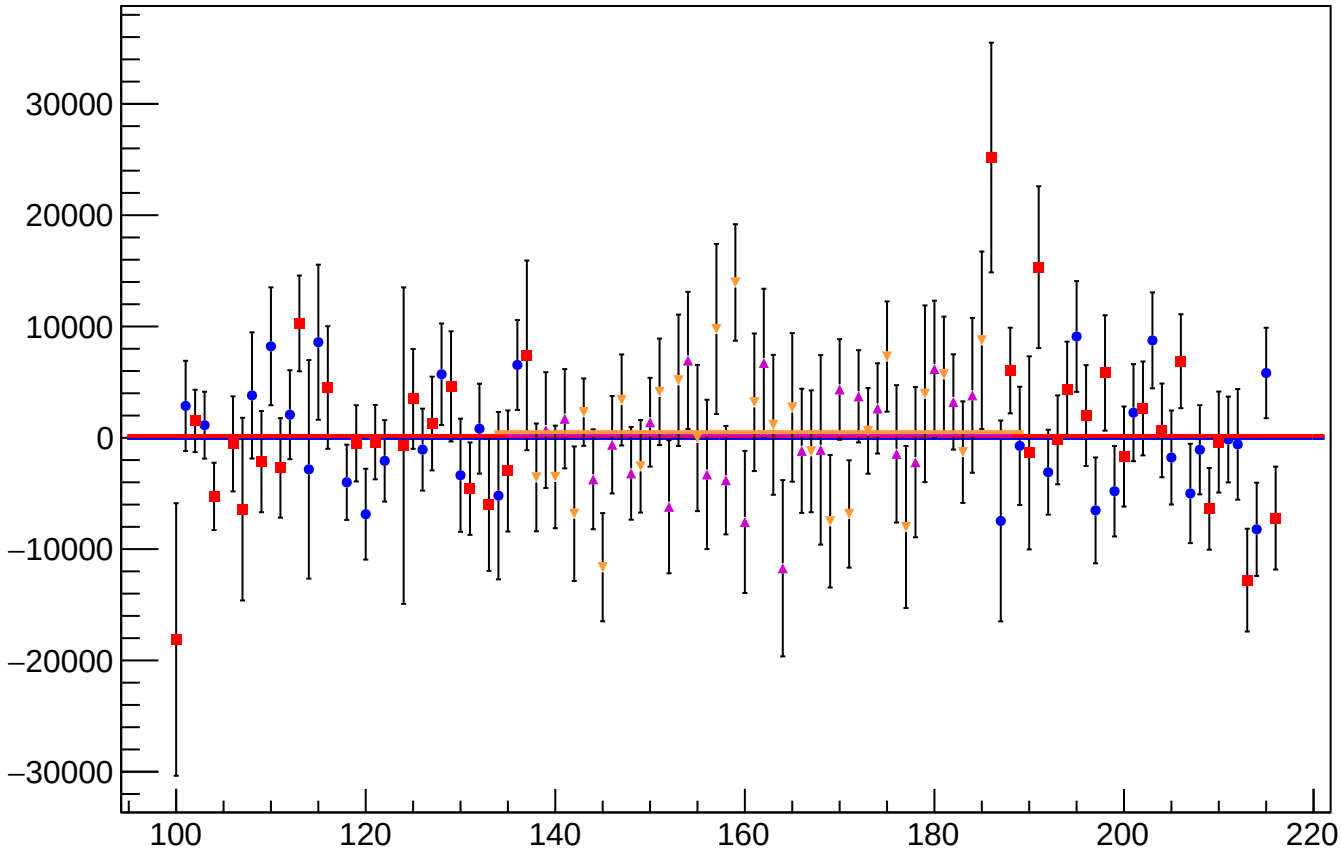
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1772.139+/-0.203 χ^2/NDF: 1248982.4/65

In: 1832.059+/-0.212 χ^2/NDF:831817.0/53

Out: 1816.996+/-0.207 χ^2/NDF:912995.2/59

All: 1824.348+/-0.148 χ^2/NDF: 1747386.5/11



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: 163.426+/-765.473 χ^2/NDF: 49.7/34

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

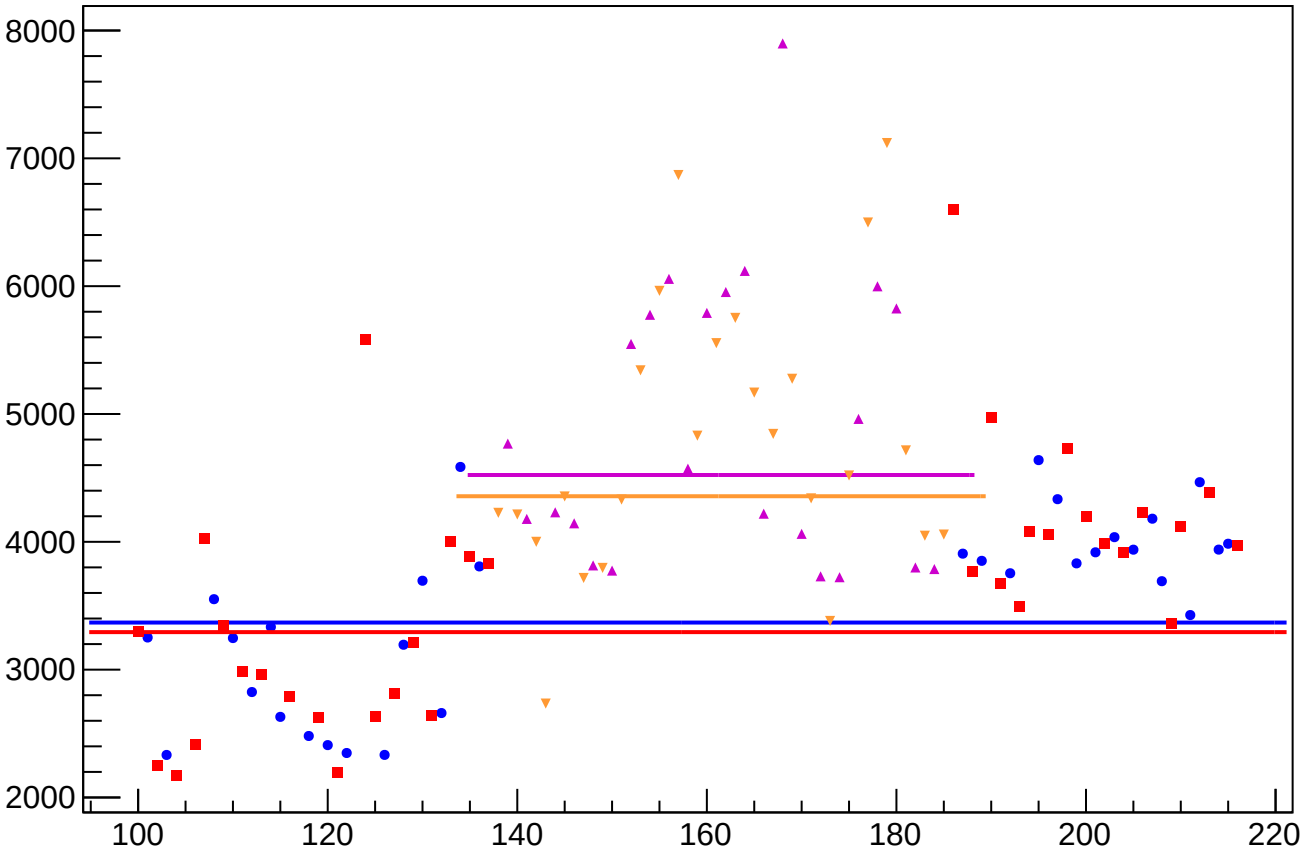
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 77.397+/-548.522 χ^2/NDF: 84.7/65

In: 81.534+/-636.013 χ^2/NDF:48.6/53

Out: 285.965+/-612.606 χ^2/NDF:79.8/59

All: 187.580+/-441.221 χ^2/NDF: 128.5/113



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: 3293.621+/-0.541 χ^2/NDF: 2315819.9/34

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

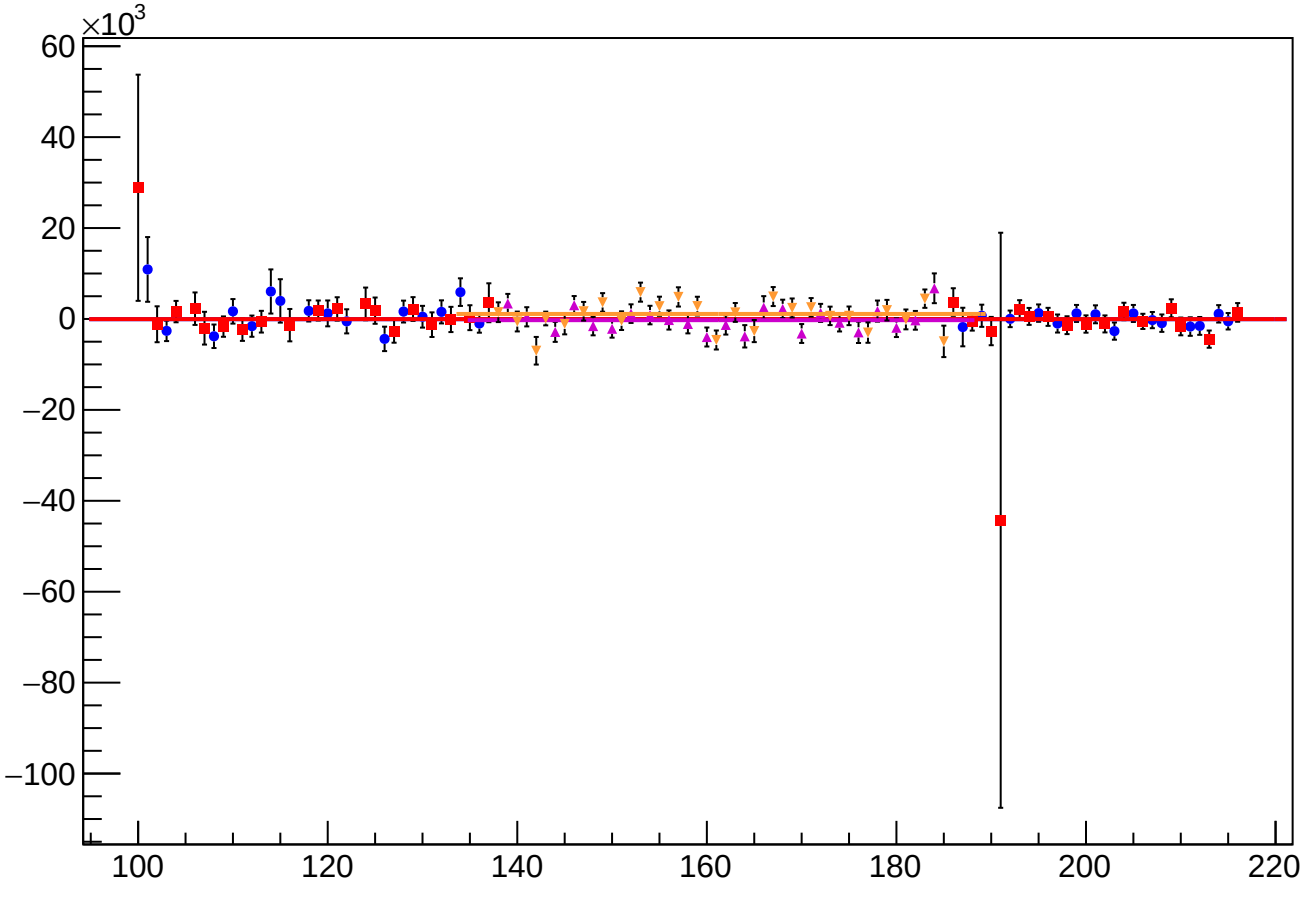
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3330.057+/-0.388 χ^2/NDF: 3997051.5/65

In: 3767.784+/-0.450 χ^2/NDF:4596362.9/53

Out: 3675.805+/-0.433 χ^2/NDF:5614845.6/59

All: 3720.070+/-0.312 χ^2/NDF: 10232906.8/1



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: -36.385+/-405.450 χ^2/NDF: 24.0/34

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

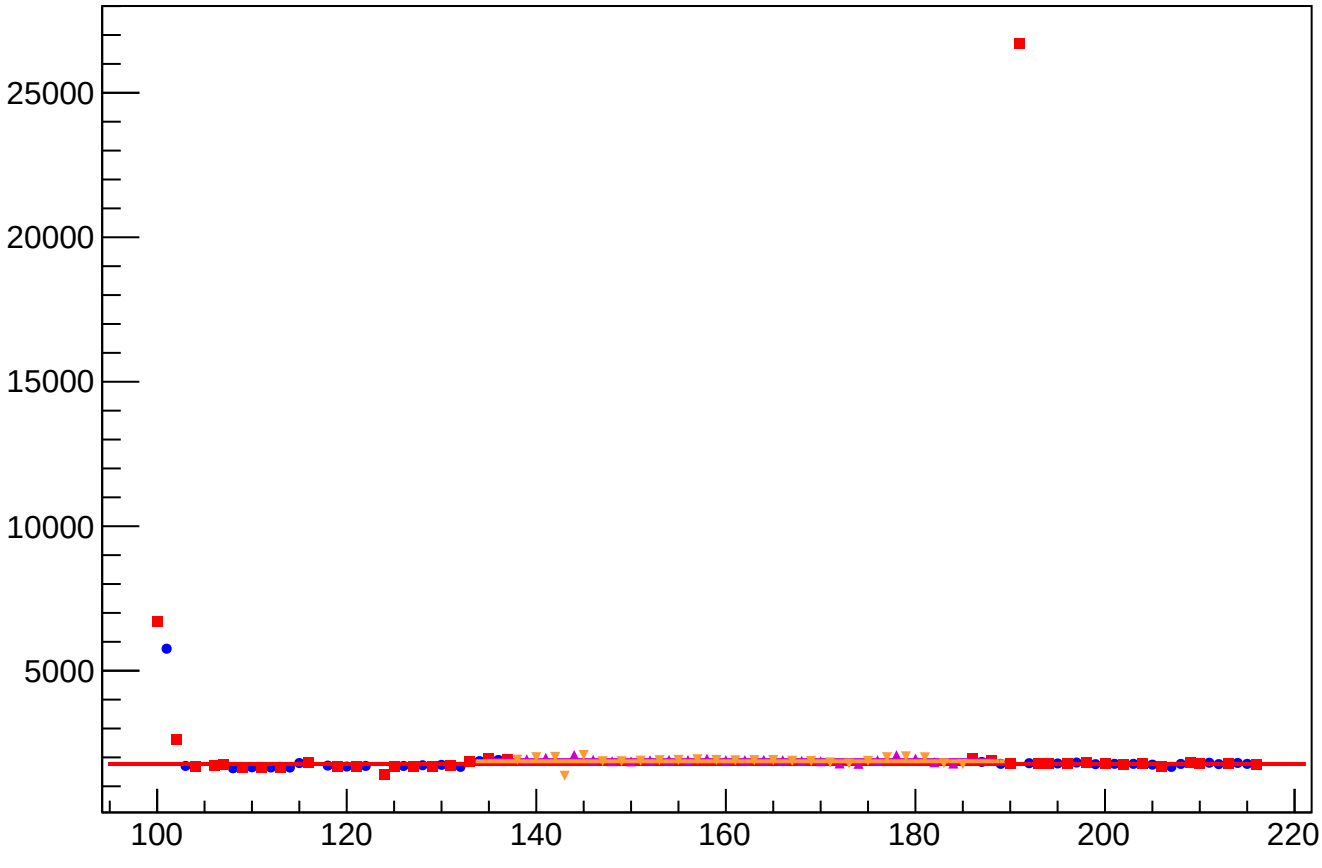
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: -46.356+/-287.204 χ^2/NDF: 47.3/65

In: -151.126+/-300.393 χ^2/NDF:51.1/53

Out: 506.218+/-293.470 χ^2/NDF:72.5/59

All: 185.209+/-209.920 χ^2/NDF: 126.1/113



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: 1773.615+/-0.286 χ^2/NDF: 570027.4/34

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

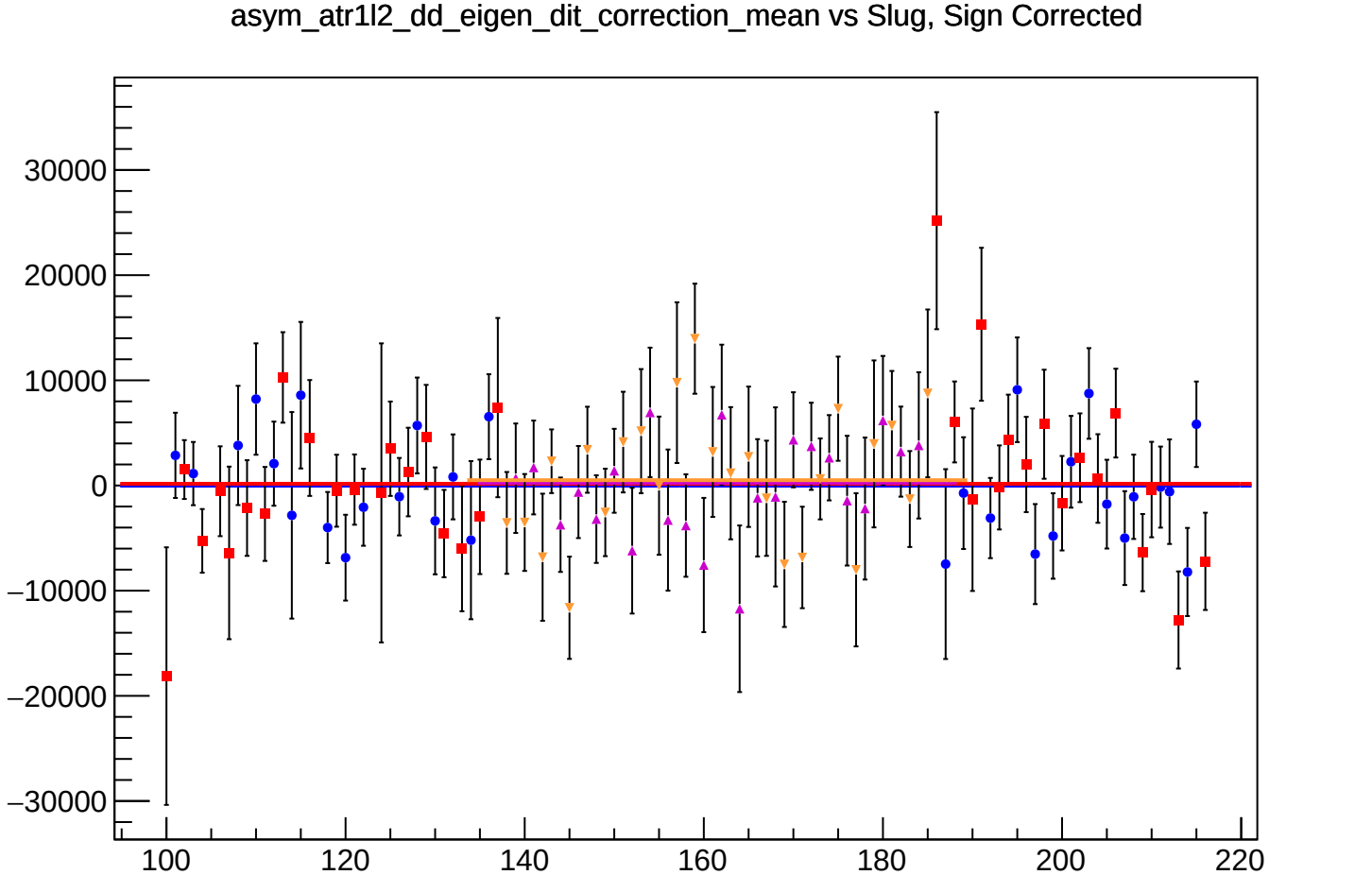
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1772.139+/-0.203 χ^2/NDF: 1248982.4/65

In: 1832.059+/-0.212 χ^2/NDF:831820.7/53

Out: 1816.997+/-0.207 χ^2/NDF:912999.5/59

All: 1824.348+/-0.148 χ^2/NDF: 1747394.4/11



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: 163.422+/-765.473 χ^2/NDF: 49.7/34

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

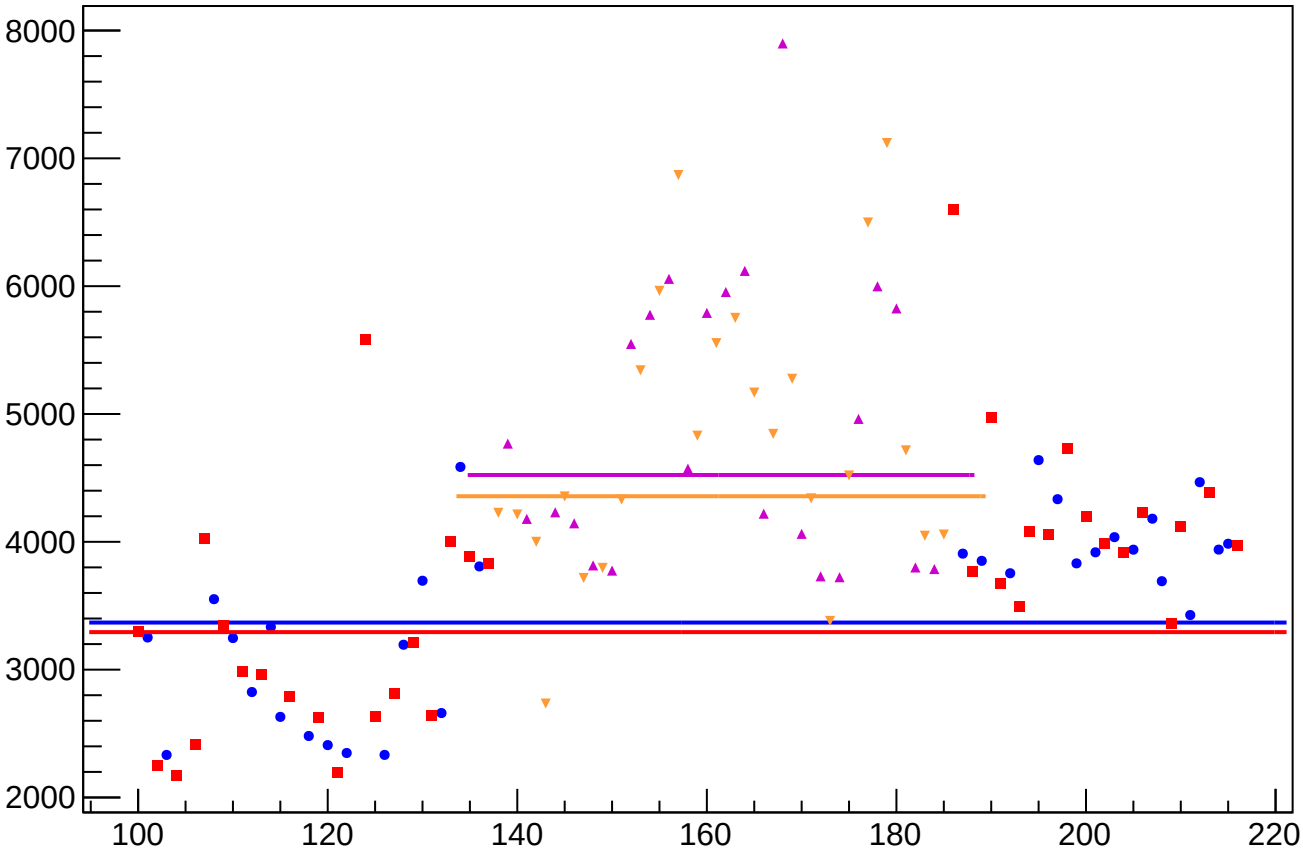
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 77.394+/-548.522 χ^2/NDF: 84.7/65

In: 81.533+/-636.014 χ^2/NDF:48.6/53

Out: 285.963+/-612.606 χ^2/NDF:79.8/59

All: 187.579+/-441.221 χ^2/NDF: 128.5/113



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: 3293.618+/-0.541 χ^2/NDF: 2315839.1/34

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

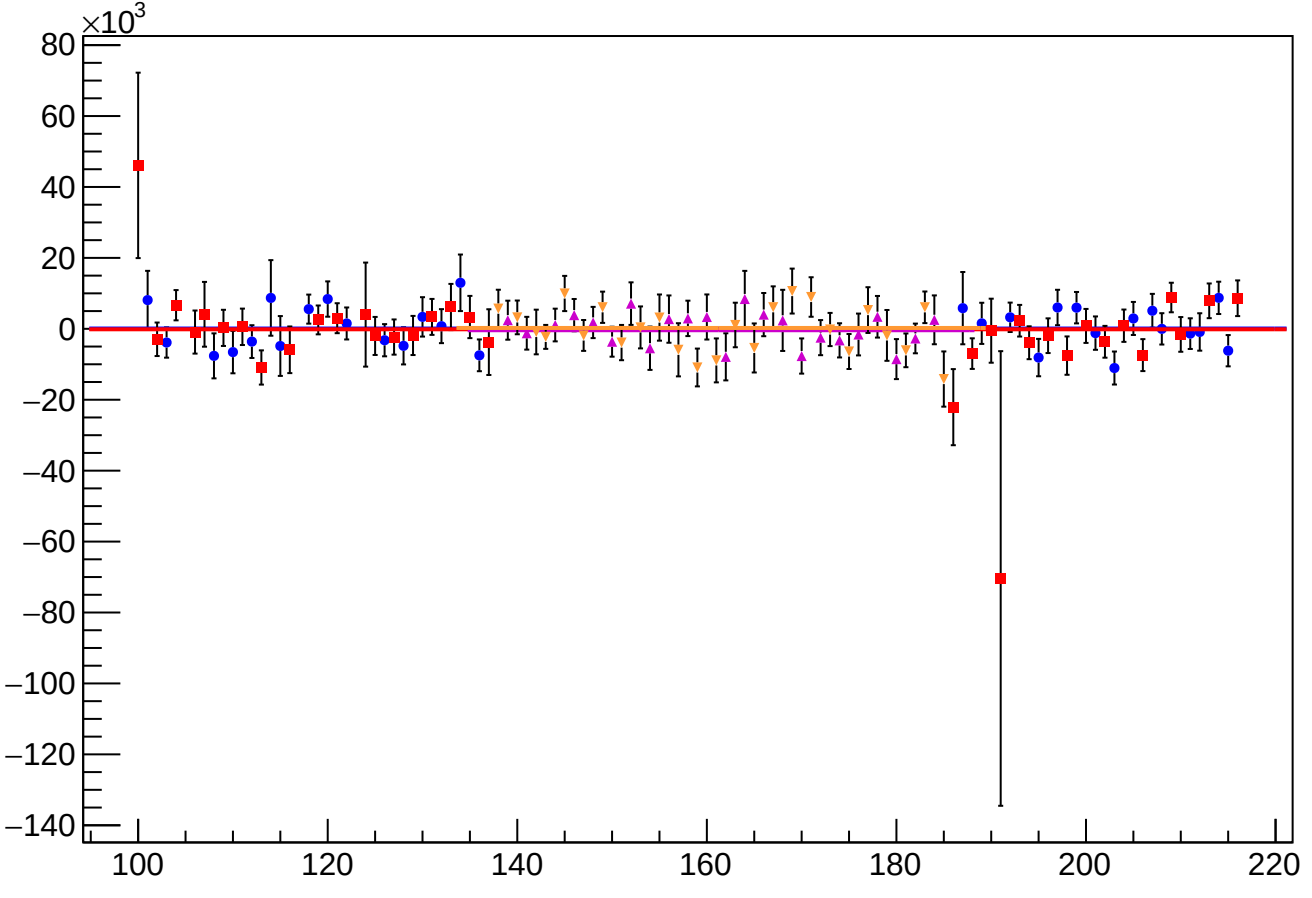
Right: 3330.055+/-0.388 χ^2/NDF: 3997105.2/65

In: 3767.784+/-0.450 χ^2/NDF:4596421.4/53

Out: 3675.804+/-0.433 χ^2/NDF:5614893.1/59

All: 3720.070+/-0.312 χ^2/NDF: 10233013.0/1

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: -135.224+/-900.389 χ^2/NDF: 40.0/34

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

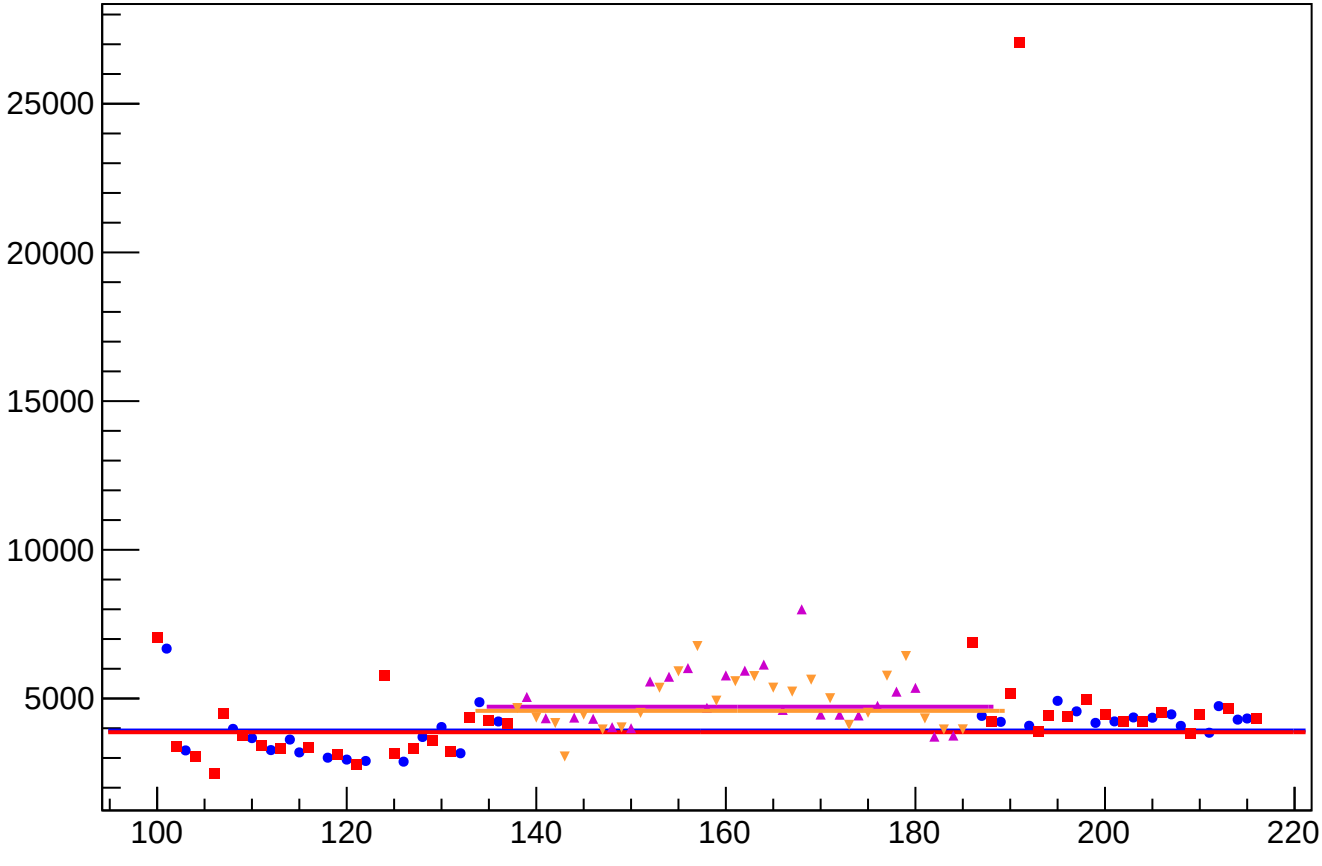
Right: -29.688+/-639.236 χ^2/NDF: 77.7/65

In: -110.646+/-705.511 χ^2/NDF:52.0/53

Out: 21.211+/-687.493 χ^2/NDF:72.3/59

All: -43.013+/-492.378 χ^2/NDF: 124.3/113

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: 3866.310+/-0.632 χ^2/NDF: 1521838.7/34

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

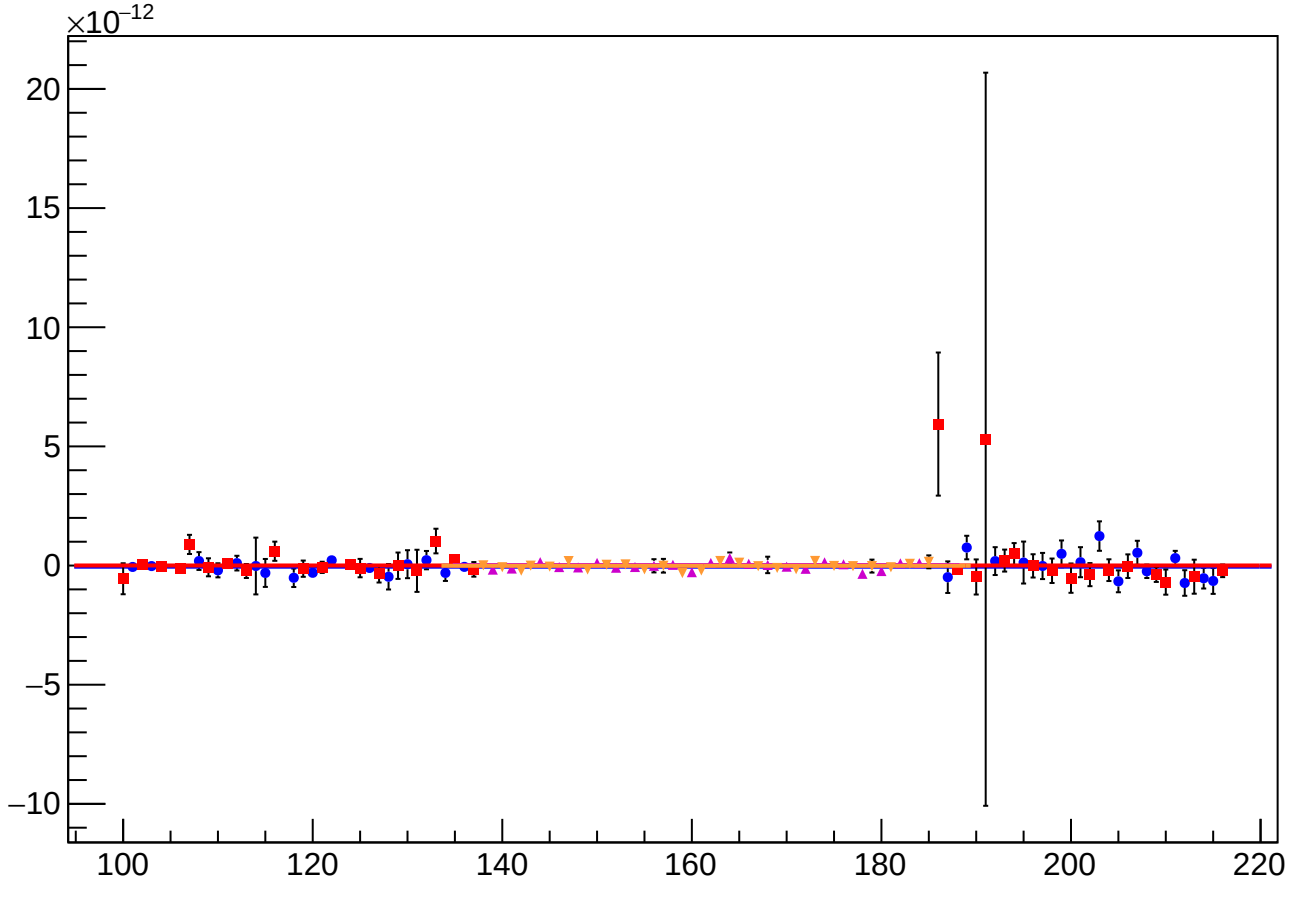
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3893.977+/-0.450 χ^2/NDF: 2613181.0/65

In: 4239.390+/-0.499 χ^2/NDF:2719878.8/53

Out: 4163.399+/-0.484 χ^2/NDF:3367524.4/59

All: 4200.256+/-0.347 χ^2/NDF: 6099352.8/11



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: 31.2/34

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

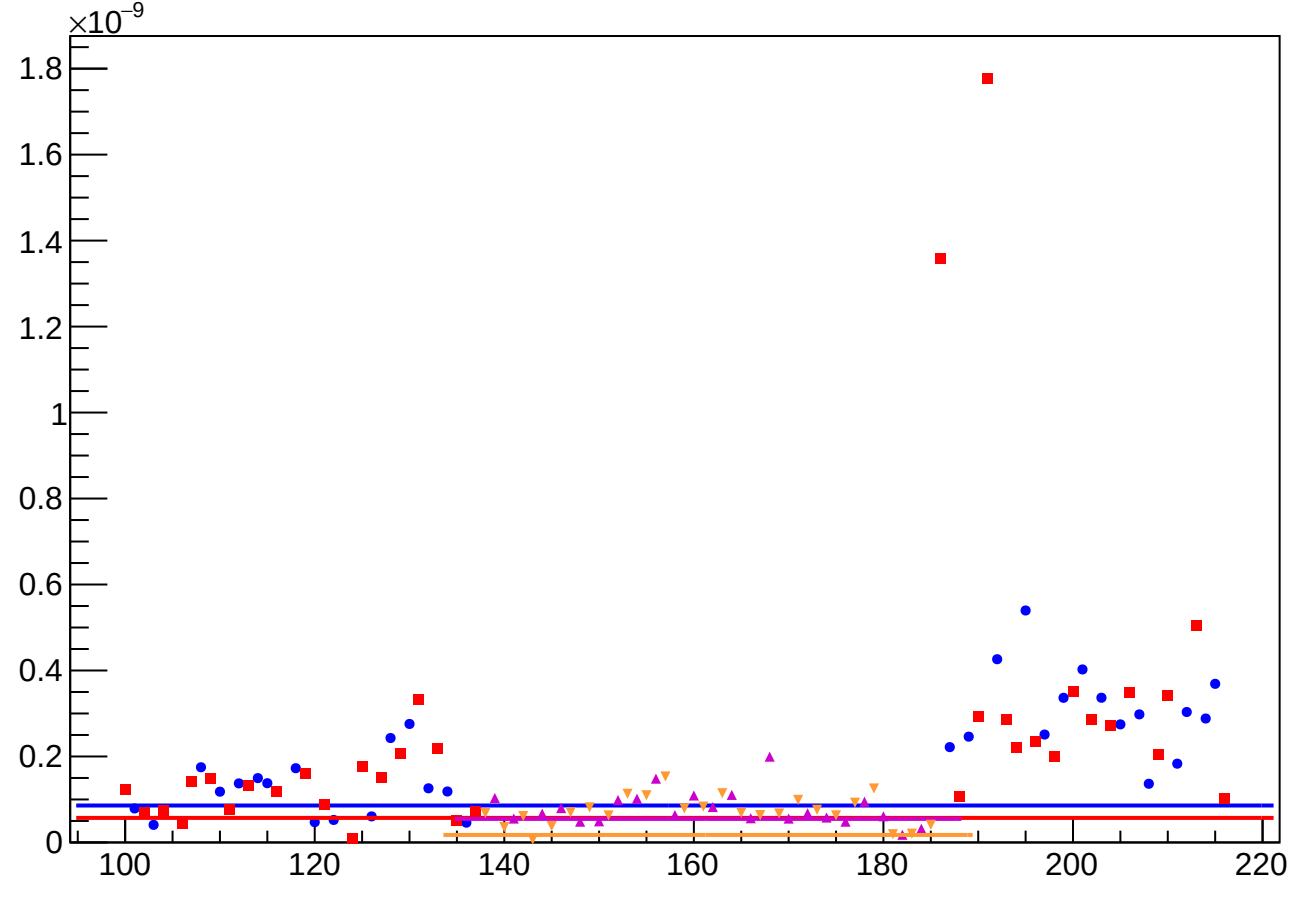
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.5/65

In: 0.000+/-0.000 χ^2/NDF:54.1/53

Out: -0.000+/-0.000 χ^2/NDF:54.1/59

All: -0.000+/-0.000 χ^2/NDF: 108.4/113



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: 9415196.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

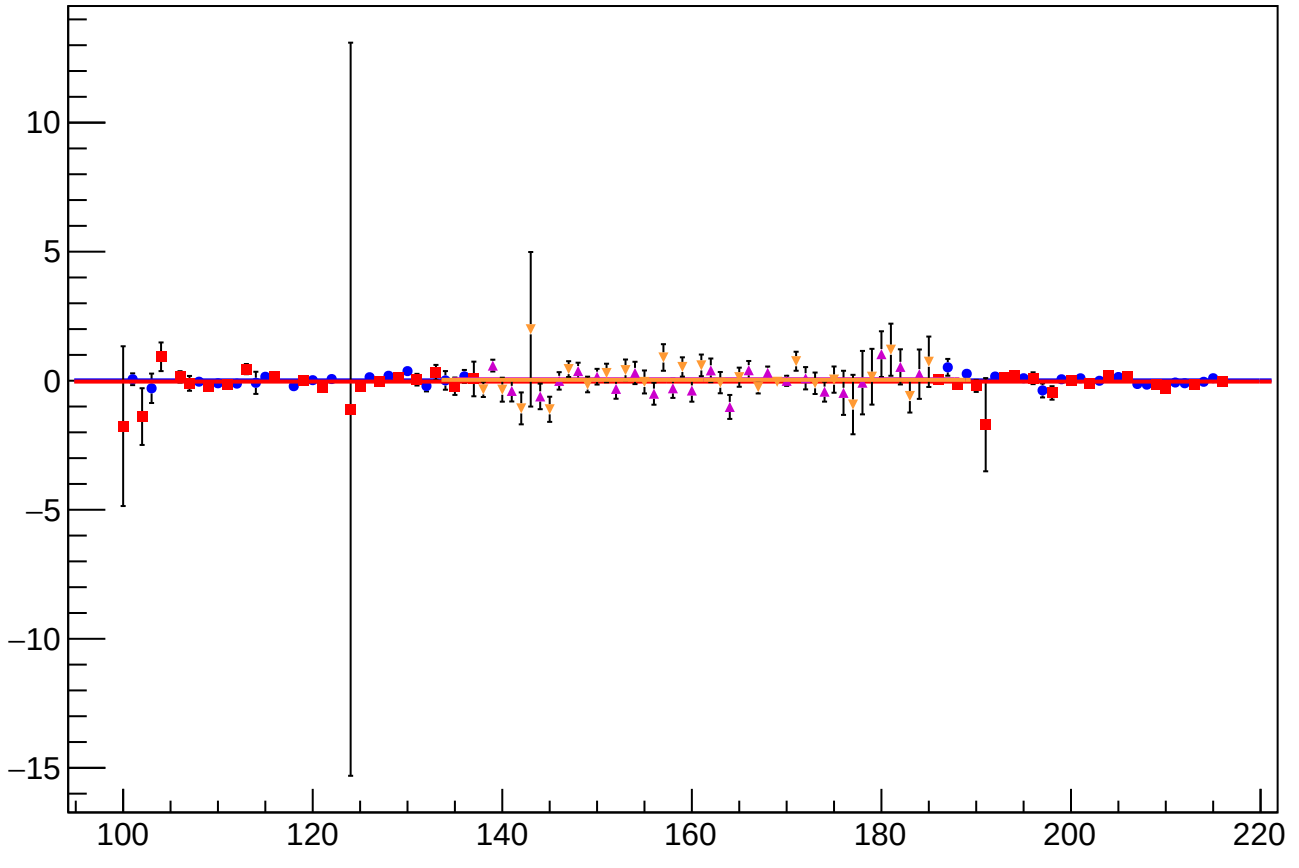
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17135613.5/65

In: 0.000+/-0.000 χ^2/NDF:10783729.5/53

Out: 0.000+/-0.000 χ^2/NDF:20753308.5/59

All: 0.000+/-0.000 χ^2/NDF: 37697346.5/113



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+/-0.029 χ^2/NDF: 41.4/34

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

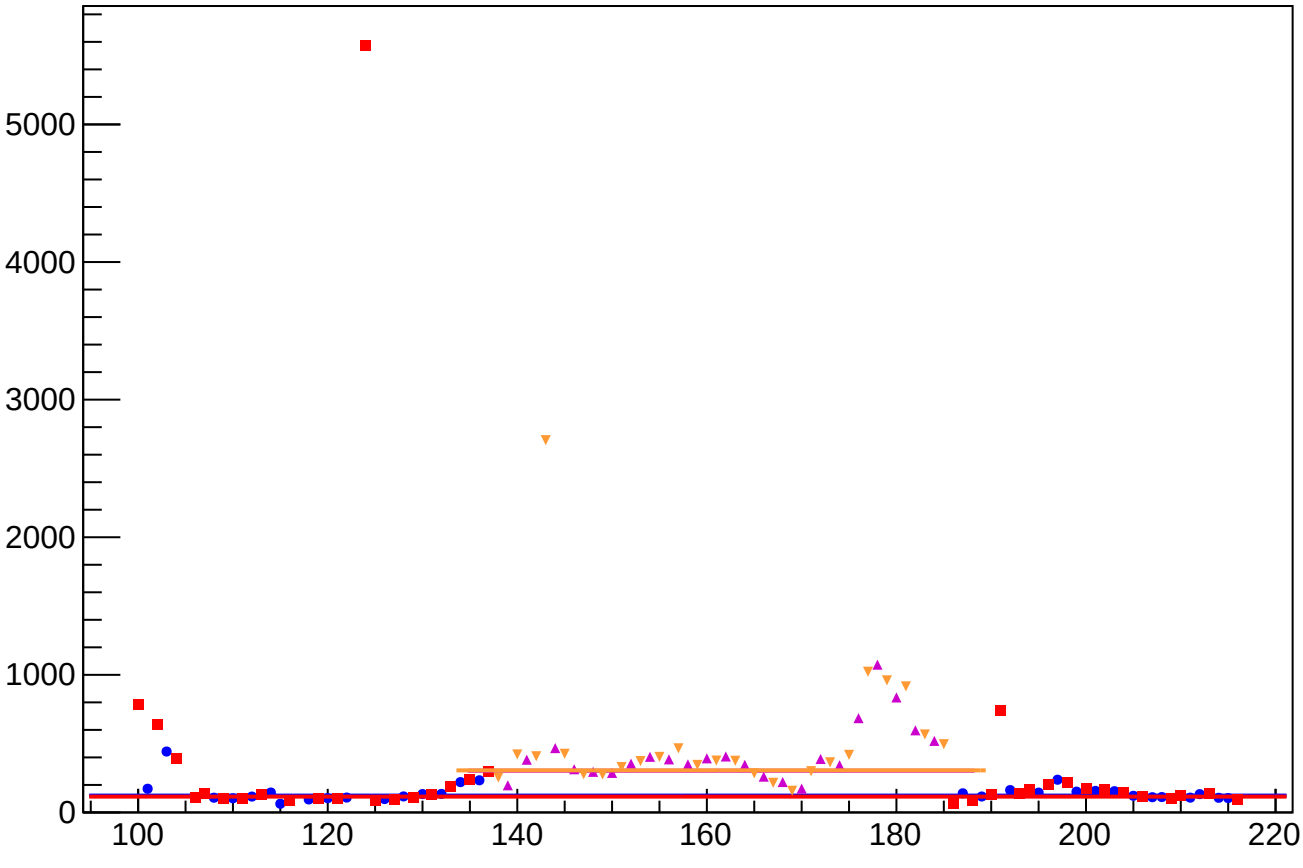
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.011+/-0.021 χ^2/NDF: 68.7/65

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.026+/-0.027 χ^2/NDF:72.6/59

All: -0.004+/-0.019 χ^2/NDF: 126.1/113



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: 115.153+/-0.020 χ^2/NDF: 4526941.2/34

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

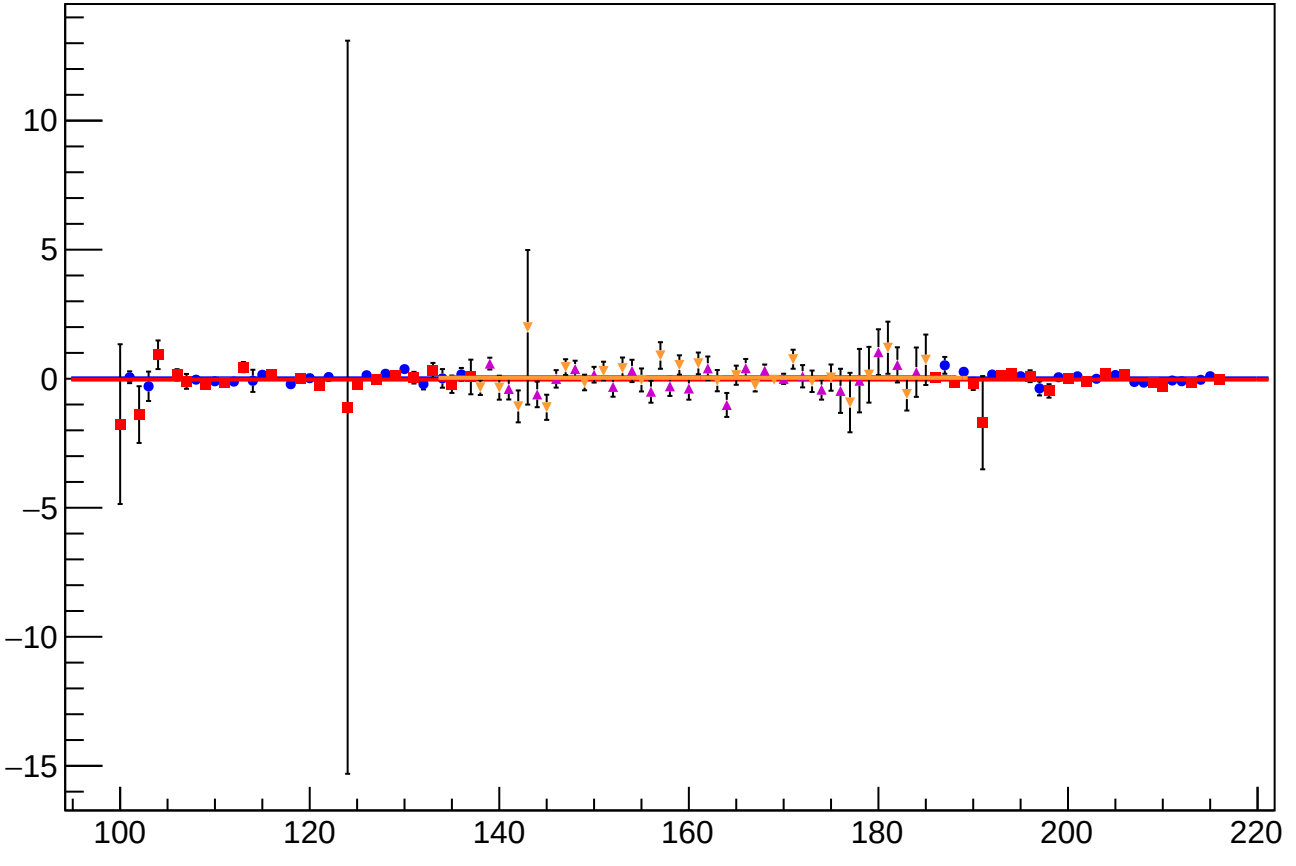
Right: 118.746+/-0.015 χ^2/NDF: 7213503.2/65

In: 145.940+/-0.020 χ^2/NDF:16950245.1/53

Out: 138.112+/-0.019 χ^2/NDF:21705873.3/59

All: 141.917+/-0.014 χ^2/NDF: 38737633.1/11

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+/-0.029 χ^2/NDF: 41.4/34

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

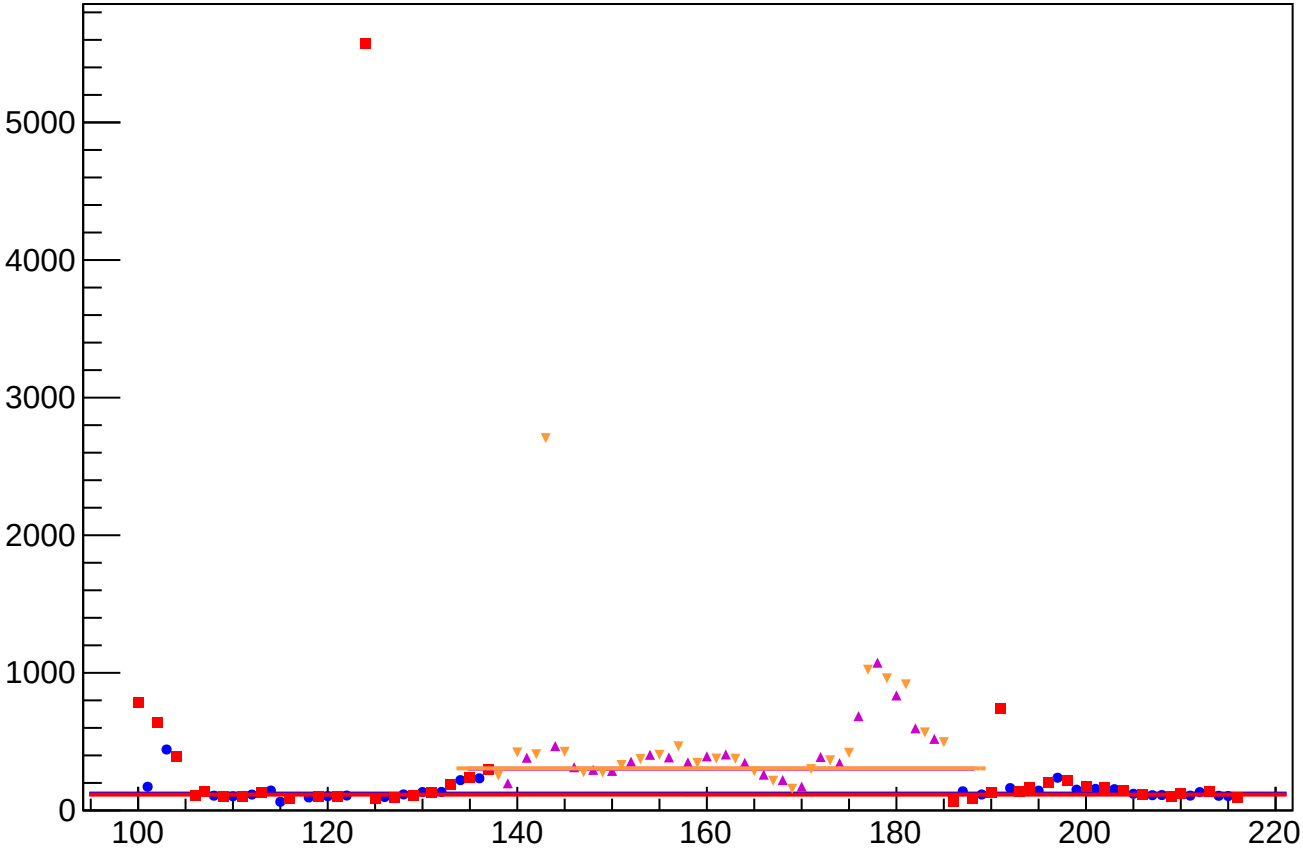
Right: -0.011+/-0.021 χ^2/NDF: 68.7/65

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.026+/-0.027 χ^2/NDF:72.6/59

All: -0.004+/-0.019 χ^2/NDF: 126.1/113

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 115.153+/-0.020 χ^2/NDF: 4526941.2/34

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

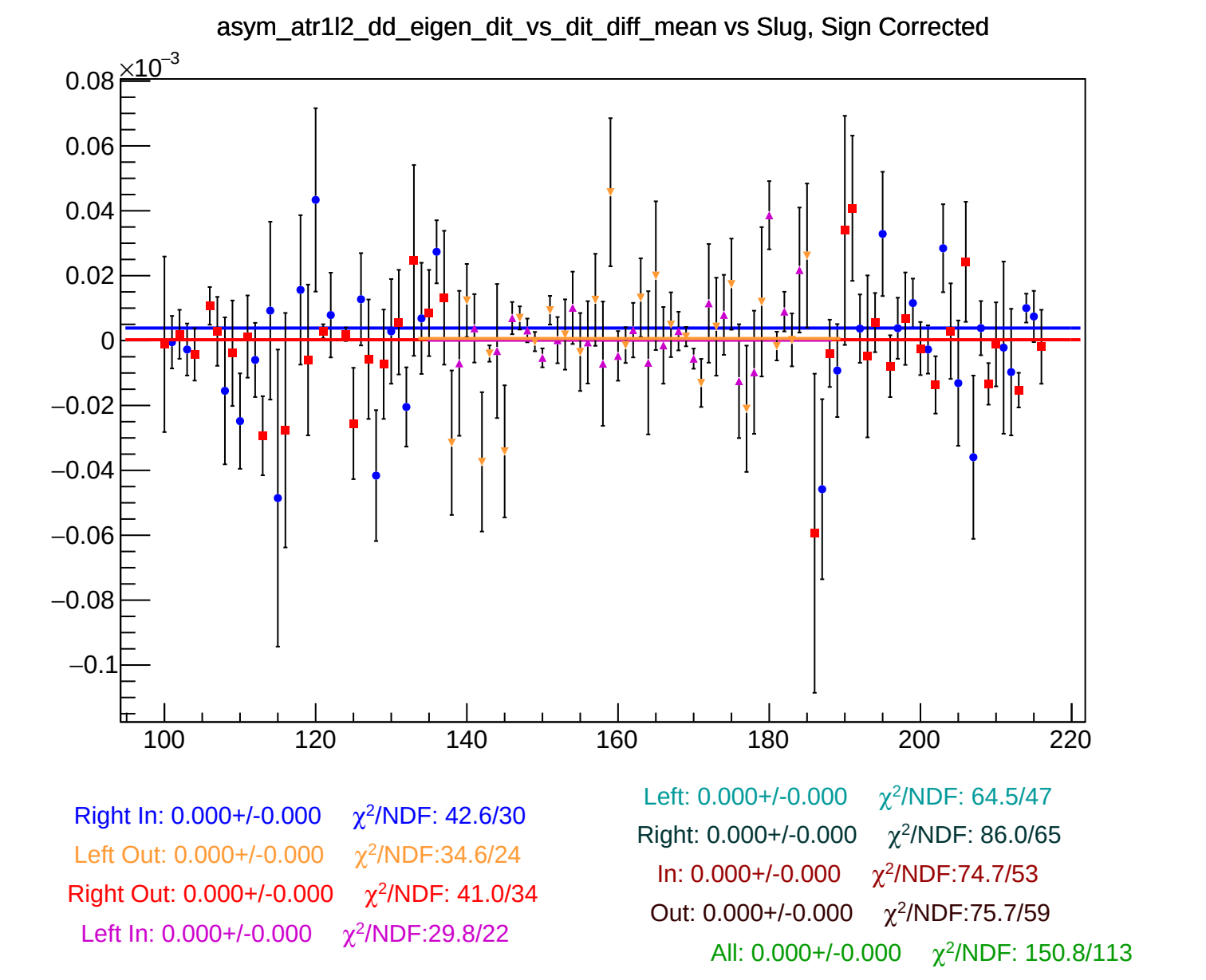
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

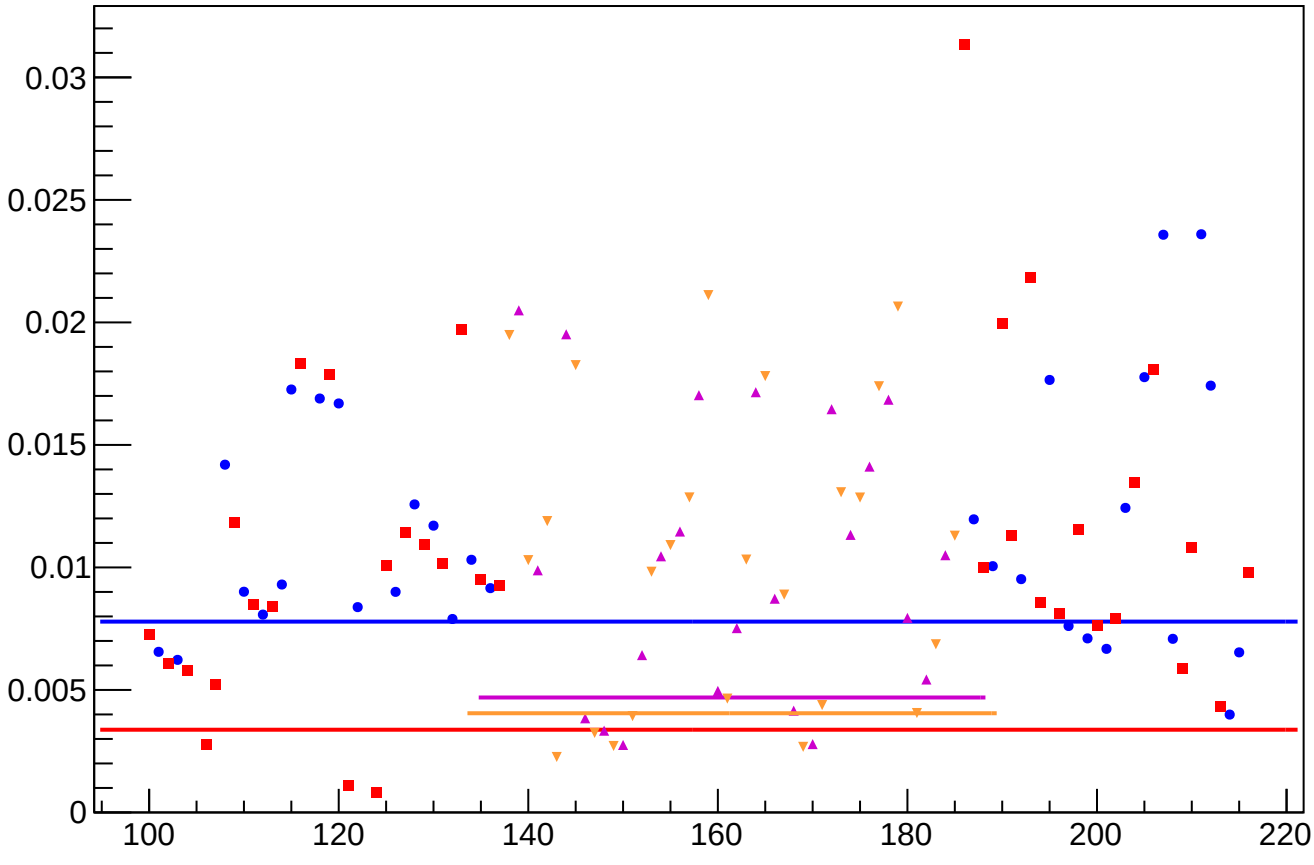
Right: 118.746+/-0.015 χ^2/NDF: 7213503.2/65

In: 145.940+/-0.020 χ^2/NDF:16950245.1/53

Out: 138.112+/-0.019 χ^2/NDF:21705873.3/59

All: 141.917+/-0.014 χ^2/NDF: 38737633.1/11


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 42.6/30
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.0/34
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: 0.000+/-0.000 χ²/NDF: 64.5/47
Right: 0.000+/-0.000 χ²/NDF: 86.0/65
In: 0.000+/-0.000 χ²/NDF:74.7/53
Out: 0.000+/-0.000 χ²/NDF:75.7/59
All: 0.000+/-0.000 χ²/NDF: 150.8/113



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: 20744107.0/34

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

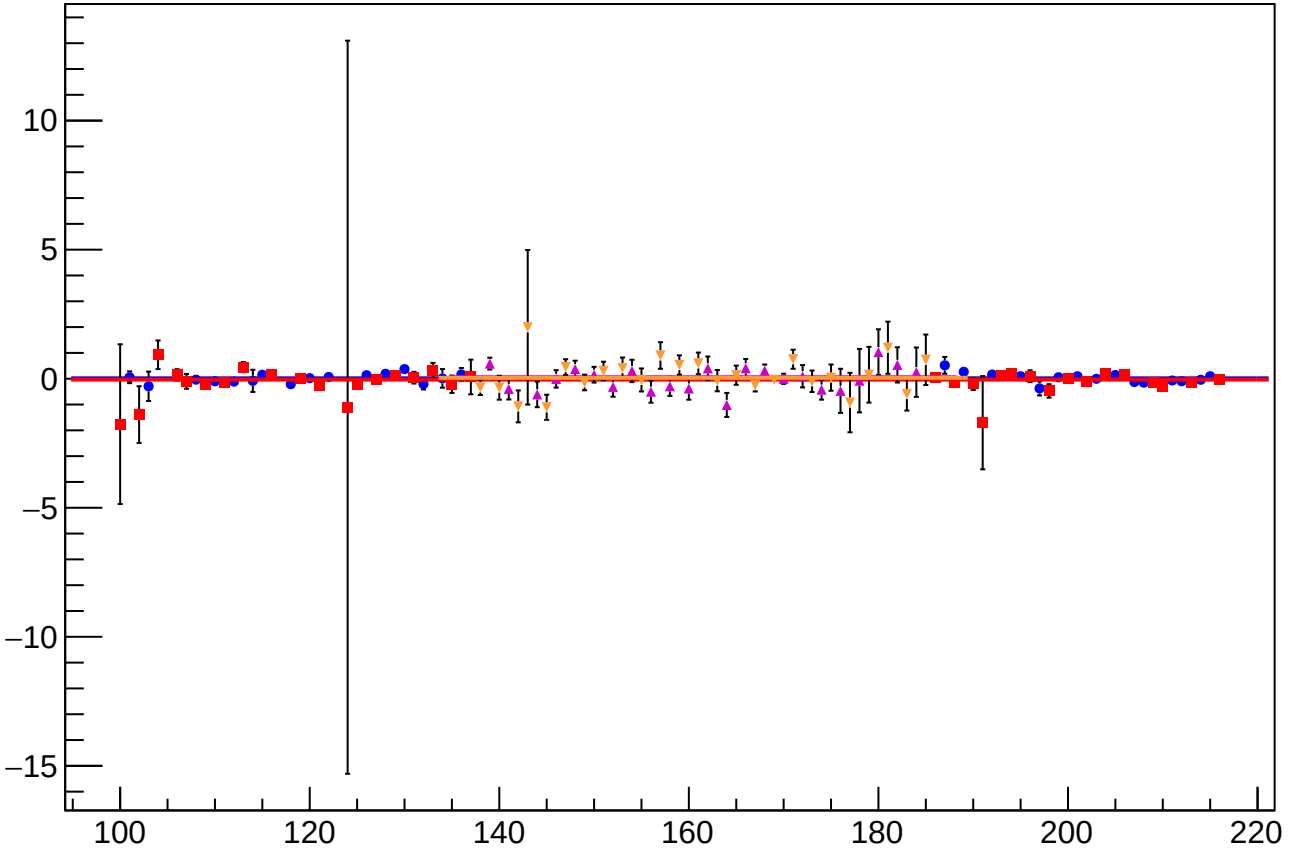
Right: 0.005+/-0.000 χ^2/NDF: 34130395.4/65

In: 0.006+/-0.000 χ^2/NDF:20299527.2/53

Out: 0.004+/-0.000 χ^2/NDF:34616319.4/59

All: 0.004+/-0.000 χ^2/NDF: 58828660.4/113

asym_atr1l2_dd_eigen_dit_vs_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+/-0.029 χ^2/NDF: 41.4/34

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

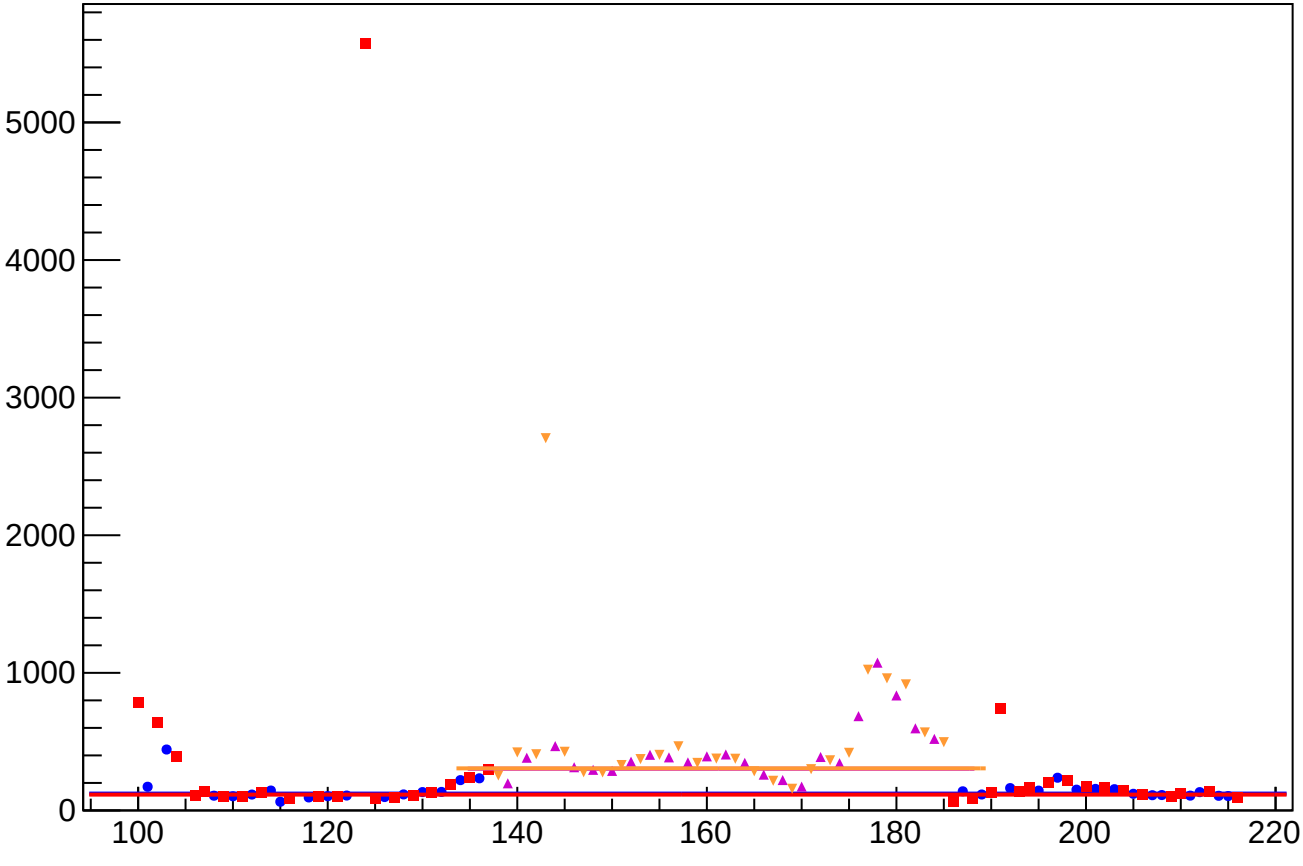
Right: -0.011+/-0.021 χ^2/NDF: 68.7/65

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.026+/-0.027 χ^2/NDF:72.6/59

All: -0.004+/-0.019 χ^2/NDF: 126.1/113

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: 115.154+/-0.020 χ^2/NDF: 4526791.8/34

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

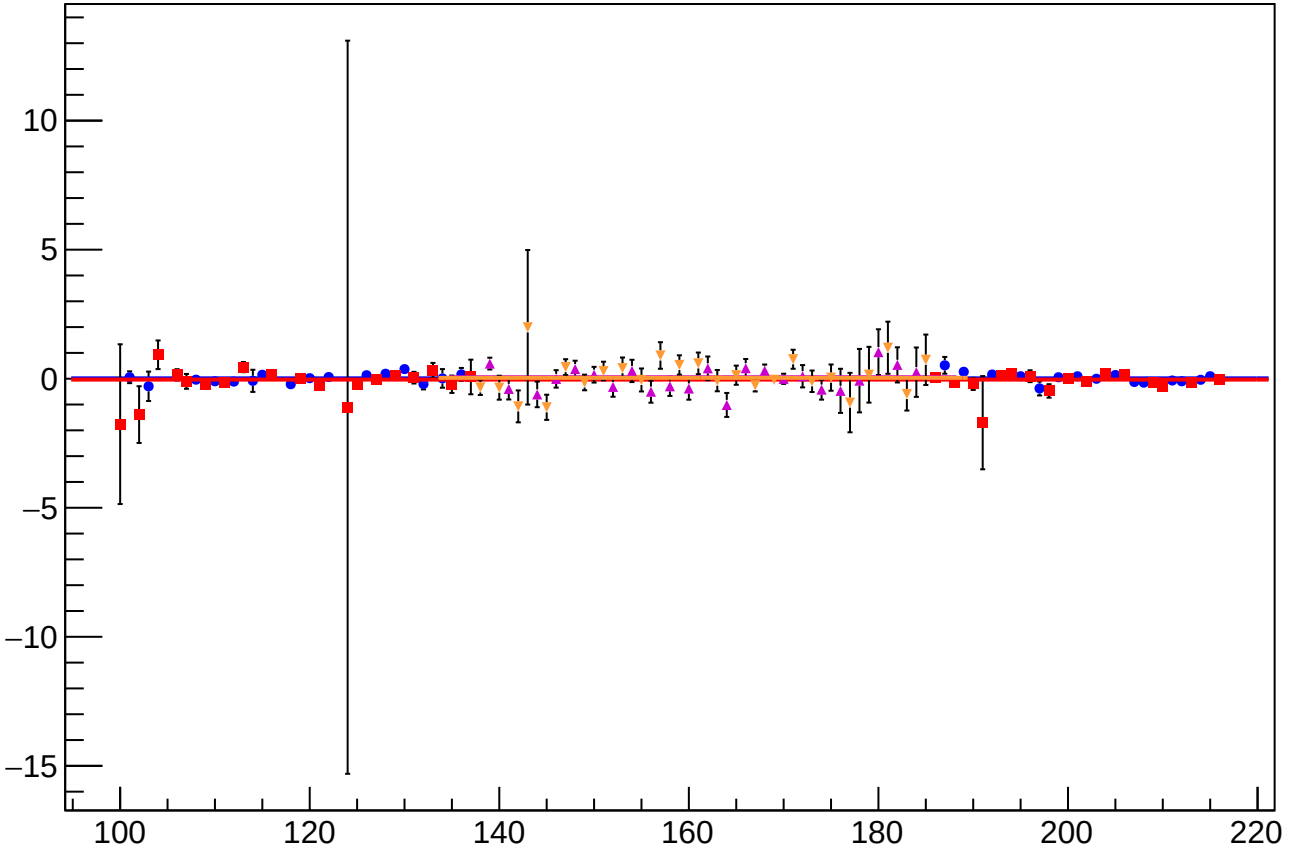
Right: 118.747+/-0.015 χ^2/NDF: 7213328.6/65

In: 145.941+/-0.020 χ^2/NDF:16950223.1/53

Out: 138.113+/-0.019 χ^2/NDF:21705744.9/59

All: 141.918+/-0.014 χ^2/NDF: 38737487.0/11

asym_atr1l2_dd_eigen_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+/-0.029 χ^2/NDF: 41.4/34

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

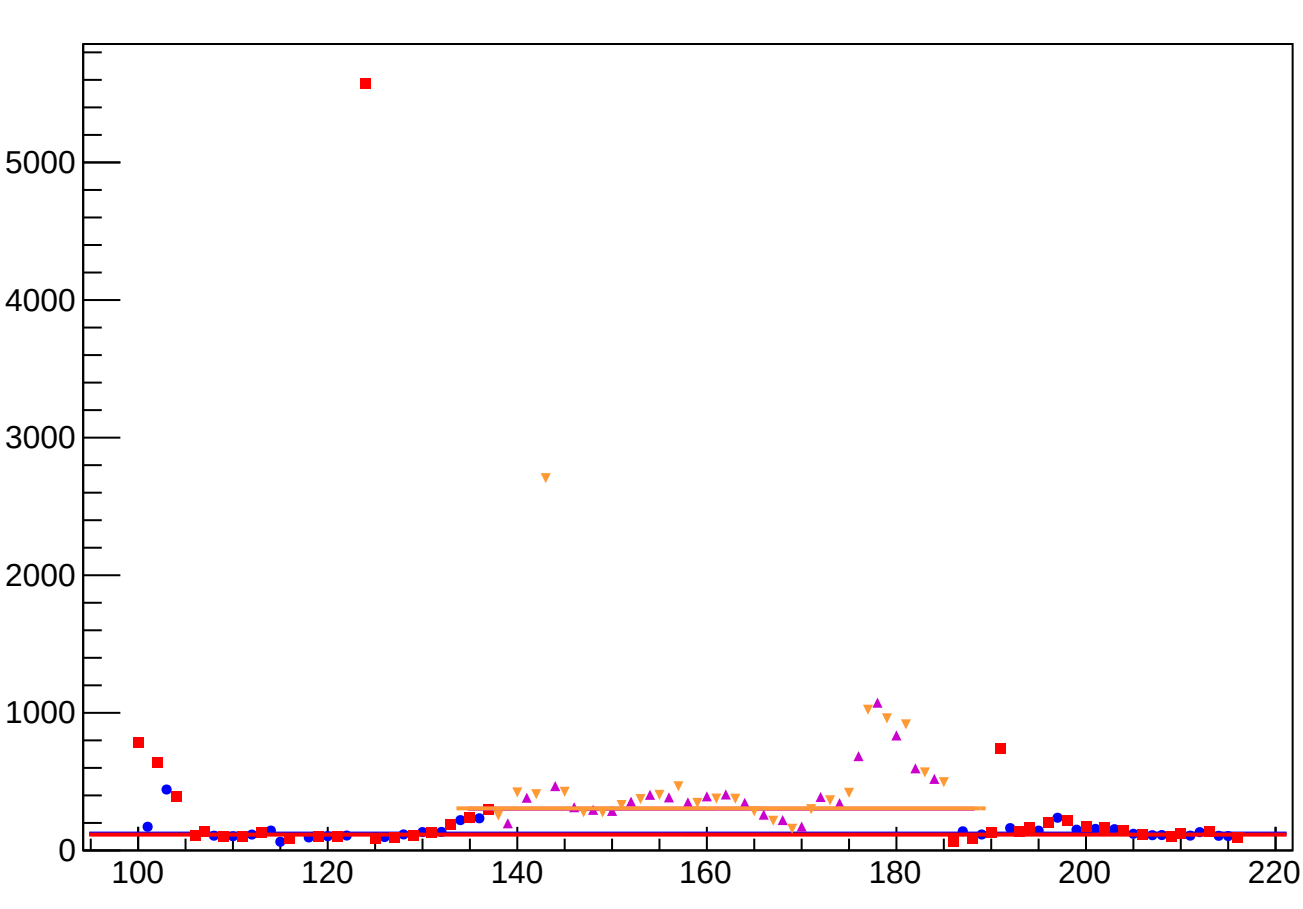
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.011+/-0.021 χ^2/NDF: 68.7/65

In: 0.020+/-0.028 χ^2/NDF:52.2/53

Out: -0.026+/-0.027 χ^2/NDF:72.6/59

All: -0.004+/-0.019 χ^2/NDF: 126.1/113



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: 115.154+/-0.020 χ^2/NDF: 4526791.8/34

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

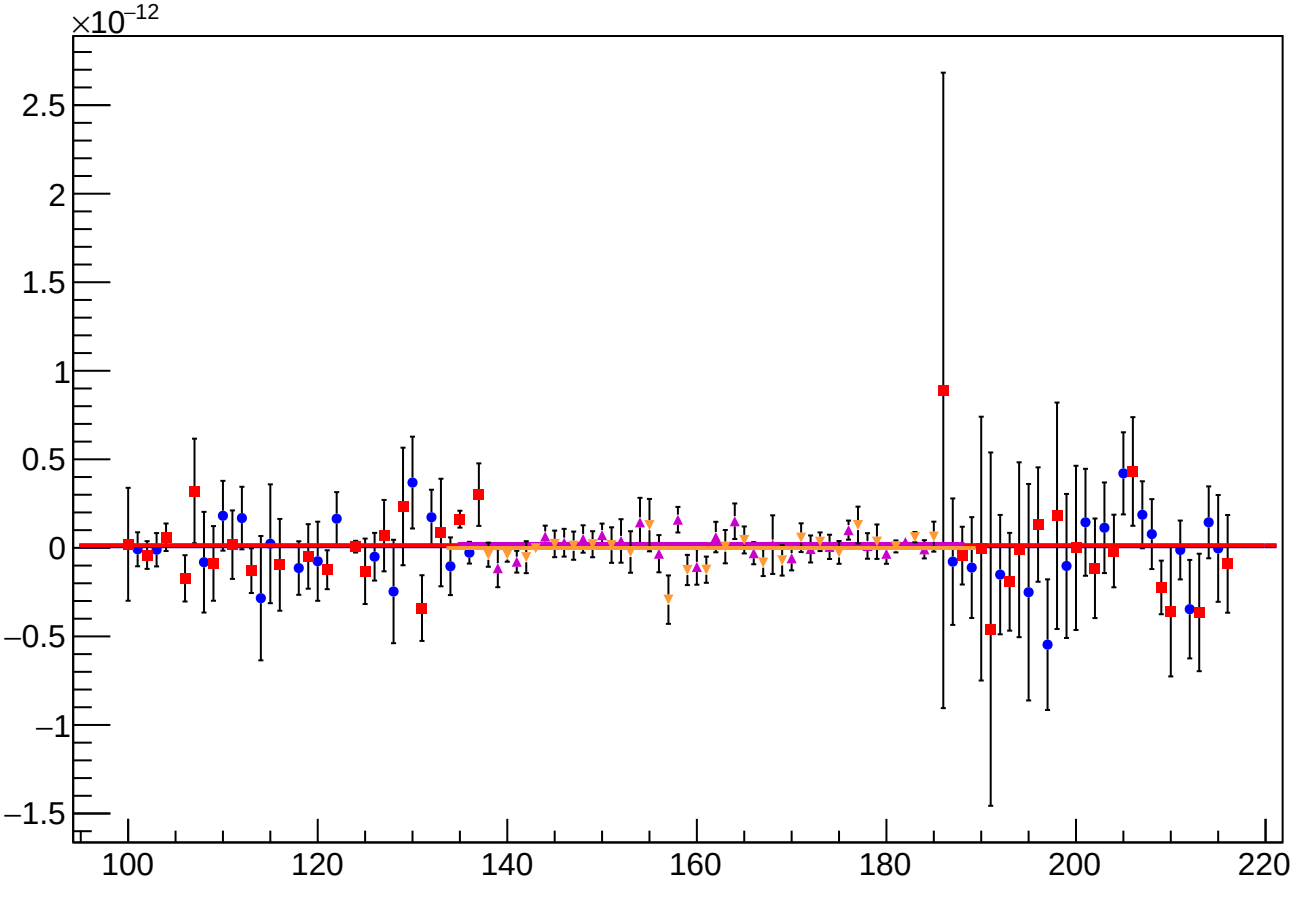
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 118.747+/-0.015 χ^2/NDF: 7213328.6/65

In: 145.941+/-0.020 χ^2/NDF:16950223.1/53

Out: 138.113+/-0.019 χ^2/NDF:21705744.9/59

All: 141.918+/-0.014 χ^2/NDF: 38737487.0/11



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: 32.8/34

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

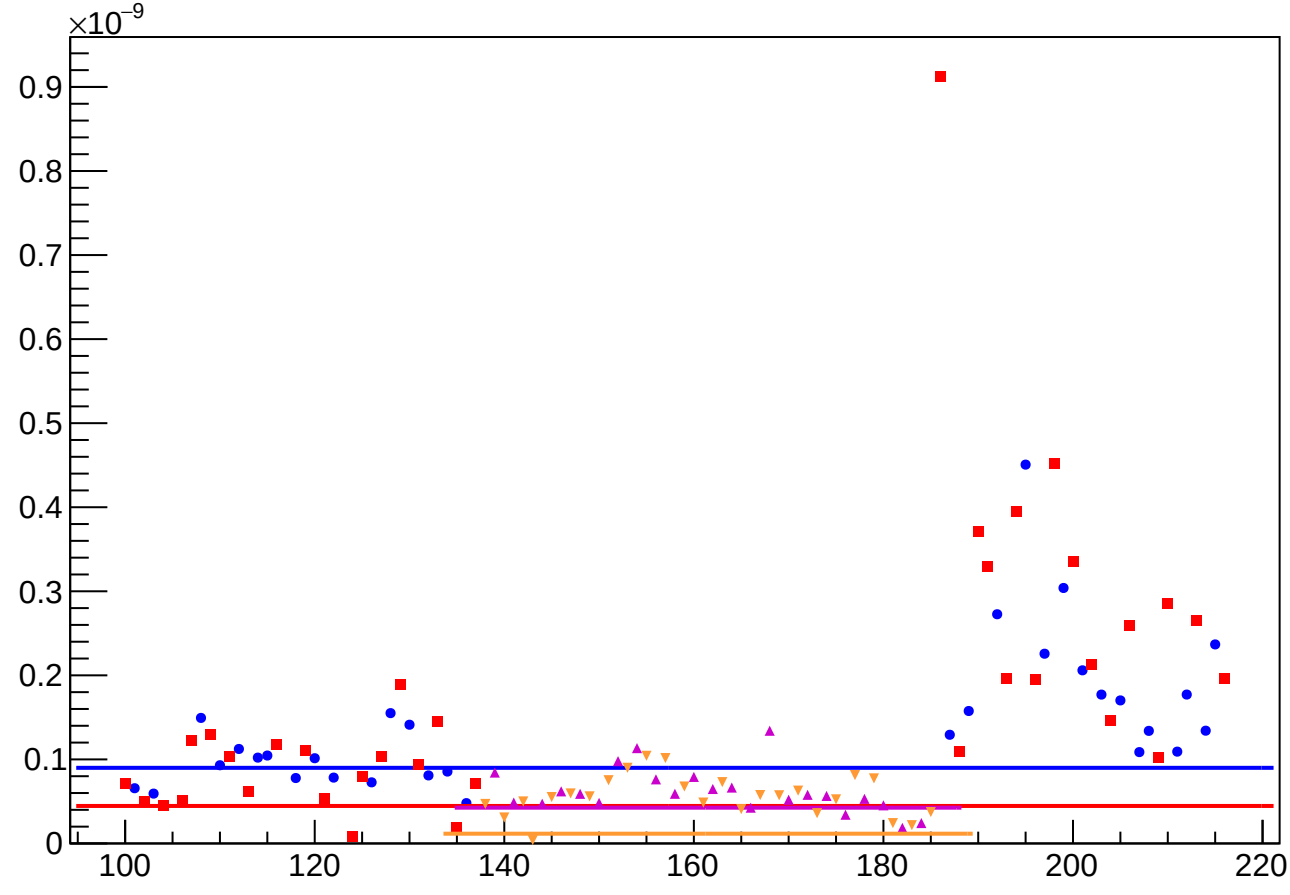
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

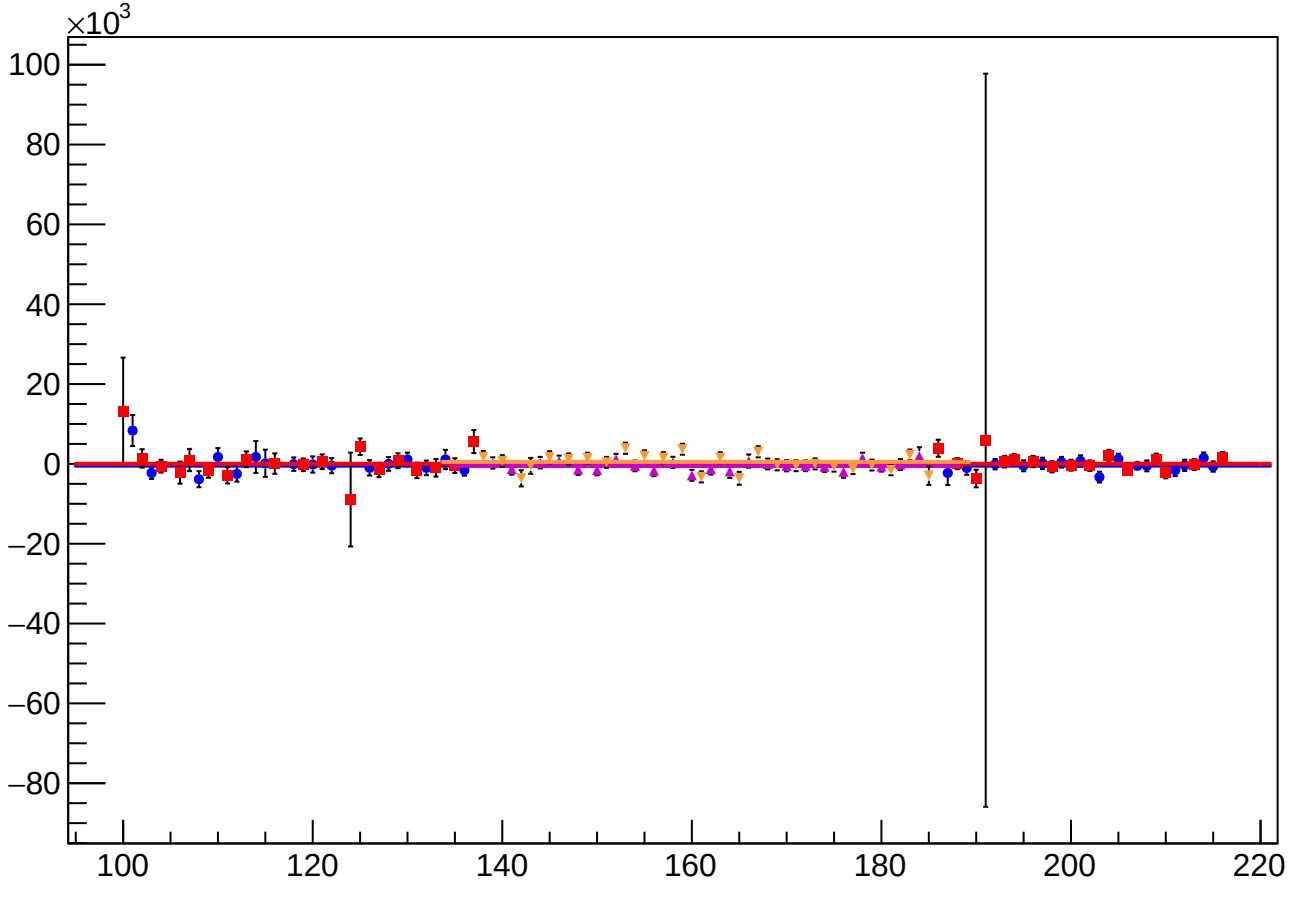
Right: 0.000+/-0.000 χ^2/NDF: 51.6/65

In: 0.000+/-0.000 χ^2/NDF:38.4/53

Out: 0.000+/-0.000 χ^2/NDF:55.4/59

All: 0.000+/-0.000 χ^2/NDF: 96.0/113


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: 14904779.1/34
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: 23499513.4/65
In: 0.000+/-0.000 χ²/NDF:15049215.0/53
Out: 0.000+/-0.000 χ²/NDF:37466109.7/59
All: 0.000+/-0.000 χ²/NDF: 66892048.0/113



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: 18.969+/-294.665 χ^2/NDF: 32.2/34

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

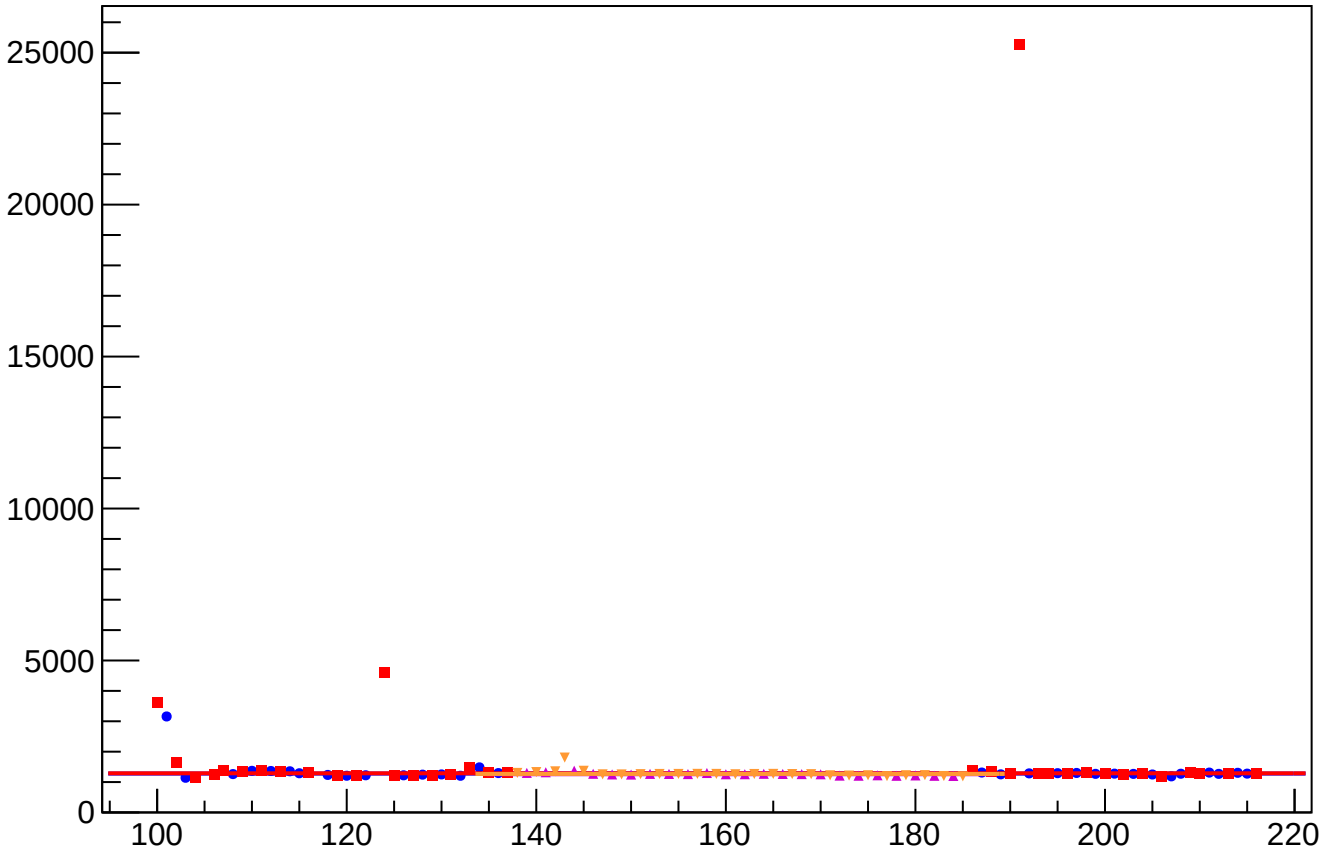
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -210.923+/-207.853 χ^2/NDF: 57.9/65

In: -462.664+/-207.538 χ^2/NDF:38.9/53

Out: 260.520+/-206.143 χ^2/NDF:80.4/59

All: -98.634+/-146.256 χ^2/NDF: 125.5/113



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: 1288.416+/-0.208 χ^2/NDF: 483049.1/34

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

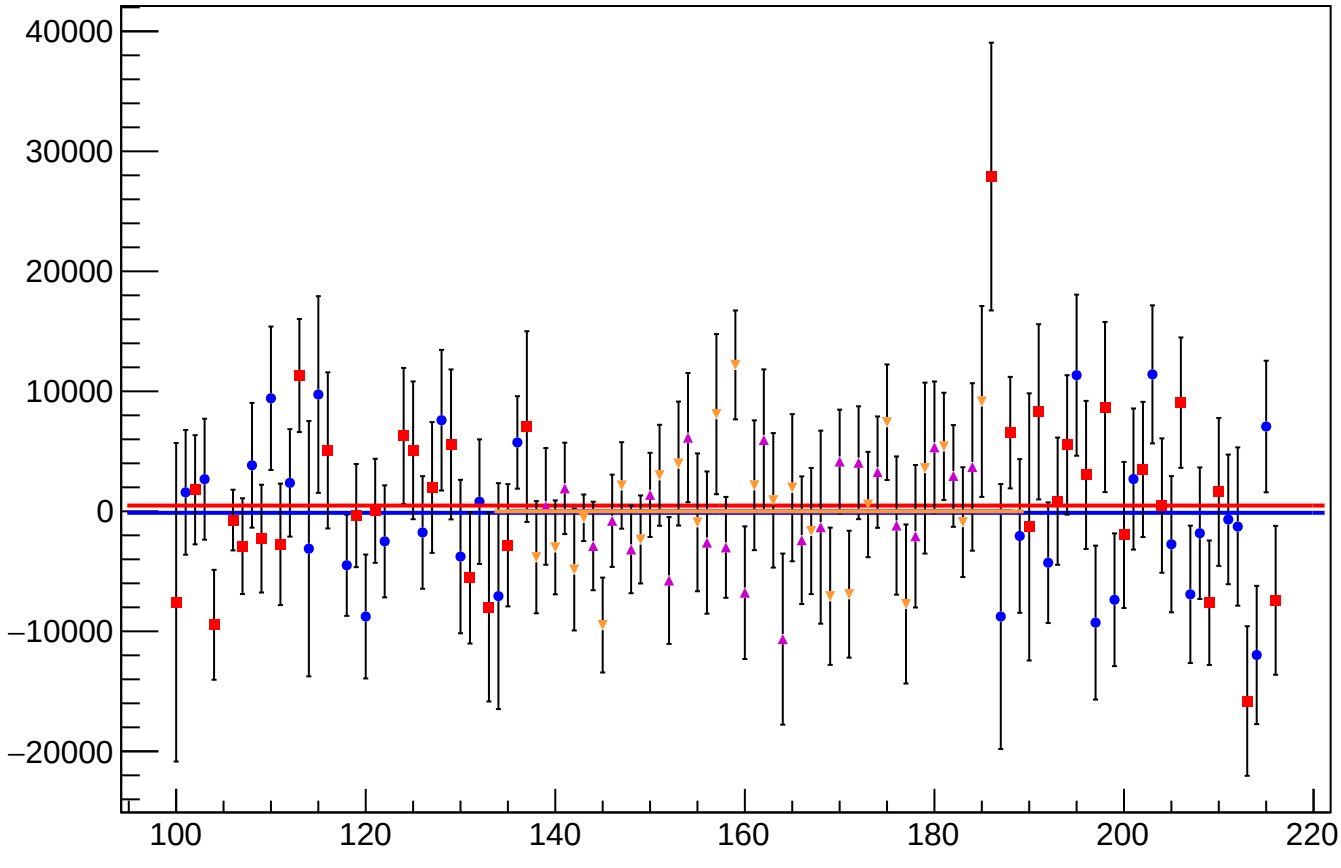
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1283.525+/-0.147 χ^2/NDF: 1014389.5/65

In: 1268.130+/-0.147 χ^2/NDF:572234.4/53

Out: 1277.475+/-0.146 χ^2/NDF:676010.6/59

All: 1272.837+/-0.103 χ^2/NDF: 1250287.1/11



Right In: -123.063+/-1002.318 χ^2/NDF: 34.6/30

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 479.384+/-897.222 χ^2/NDF: 43.7/34

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

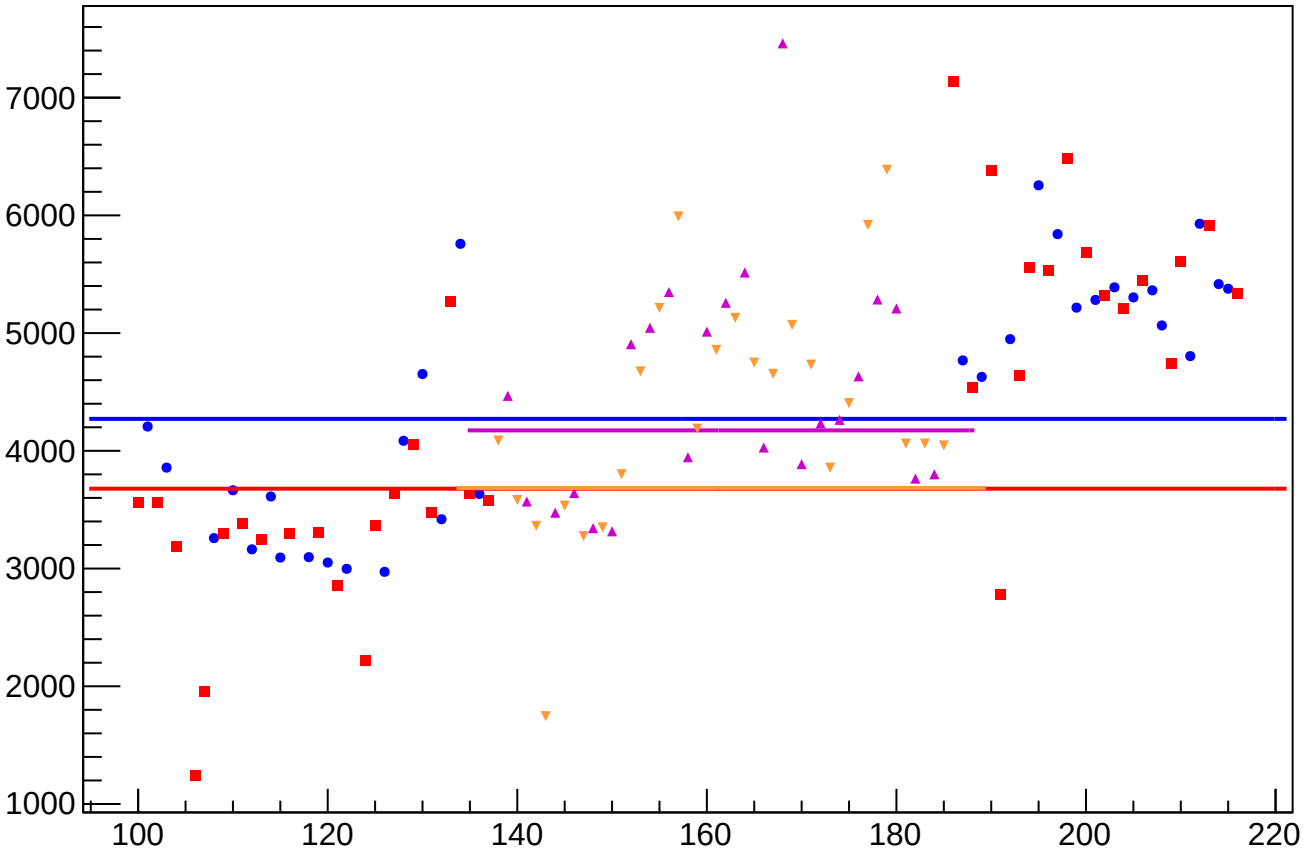
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 211.390+/-668.511 χ^2/NDF: 78.5/65

In: -45.196+/-706.269 χ^2/NDF:48.7/53

Out: 236.502+/-630.602 χ^2/NDF:72.9/59

All: 111.546+/-470.388 χ^2/NDF: 121.6/113



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: 3678.435+/-0.634 χ^2/NDF: 5224633.4/34

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

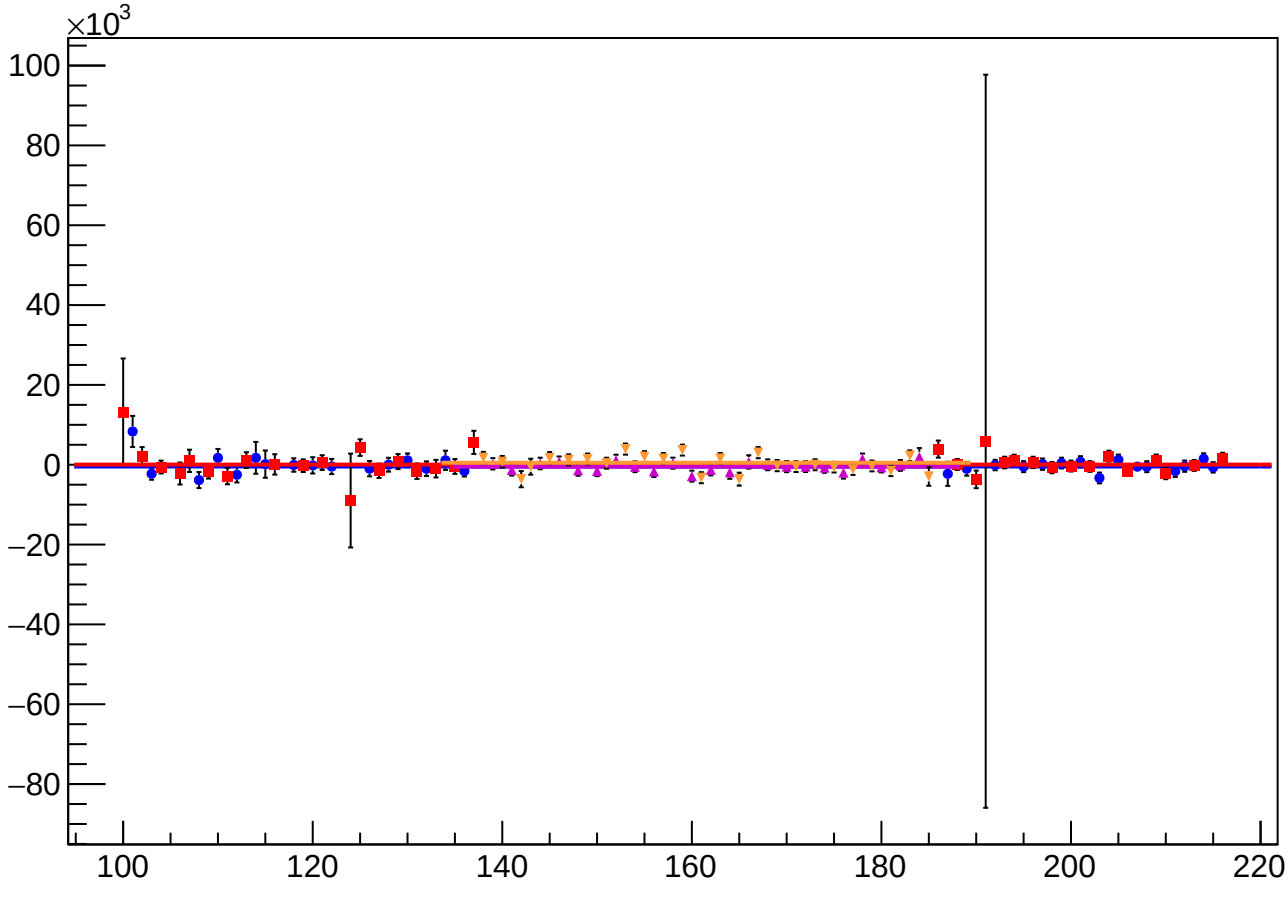
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3942.225+/-0.473 χ^2/NDF: 7652554.0/65

In: 4222.153+/-0.499 χ^2/NDF:3323855.6/53

Out: 3681.640+/-0.446 χ^2/NDF:8918330.4/59

All: 3921.401+/-0.333 χ^2/NDF: 12893971.5/1



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: 29.588+/-294.736 χ^2/NDF: 32.6/34

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

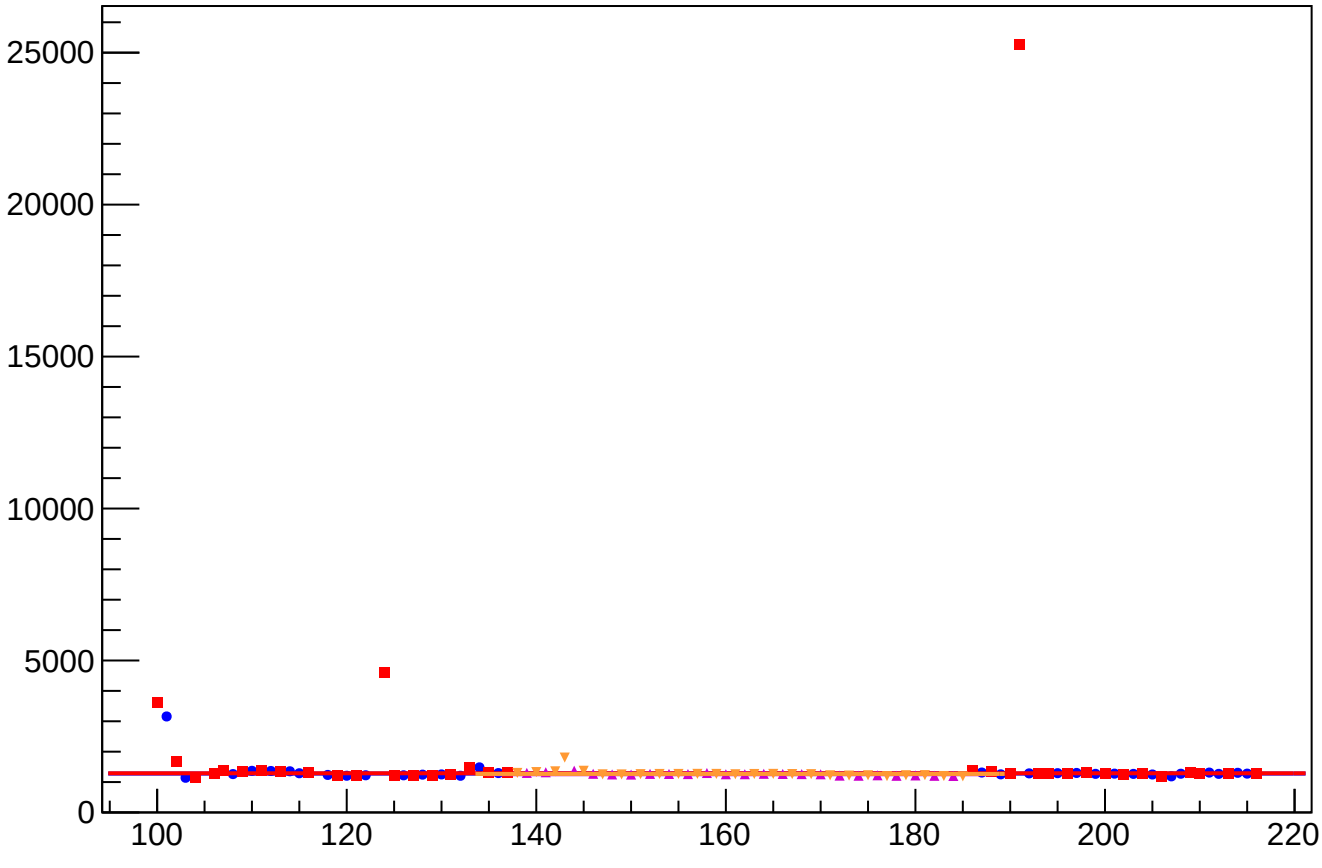
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -205.754+/-207.878 χ^2/NDF: 58.4/65

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 265.782+/-206.168 χ^2/NDF:80.8/59

All: -96.032+/-146.265 χ^2/NDF: 125.9/113



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: 1289.147+/-0.208 χ^2/NDF: 489951.7/34

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

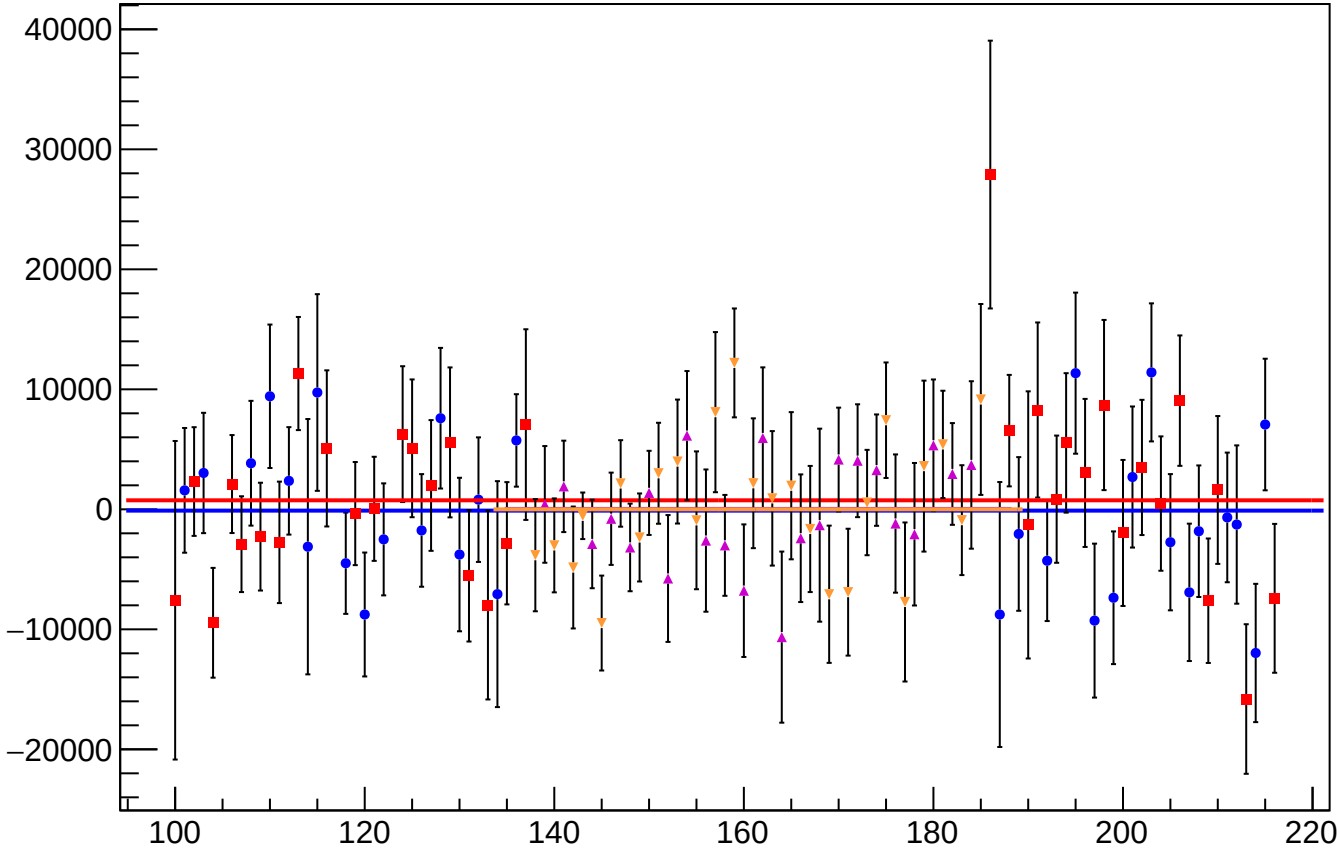
Right: 1283.886+/-0.147 χ^2/NDF: 1021464.1/65

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.827+/-0.146 χ^2/NDF:683285.4/59

All: 1273.013+/-0.103 χ^2/NDF: 1257719.6/11

asym_atl_dd_atr_dd_avg_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: 750.776+/-933.915 χ^2/NDF: 43.6/34

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

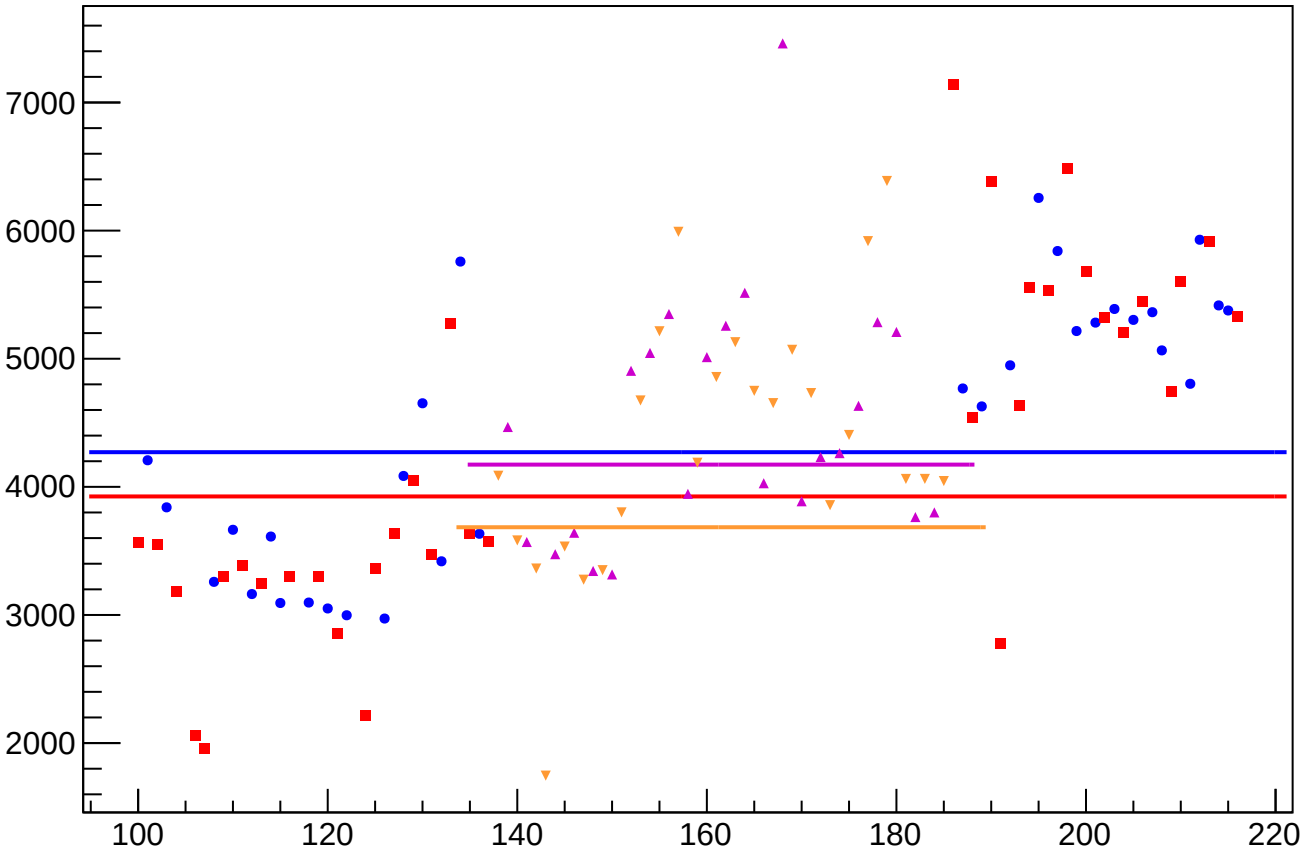
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 351.617+/-683.219 χ^2/NDF: 78.7/65

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 355.556+/-642.954 χ^2/NDF:73.0/59

All: 177.315+/-475.428 χ^2/NDF: 121.9/113



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: 3925.142+/-0.660 χ^2/NDF: 3543440.7/34

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

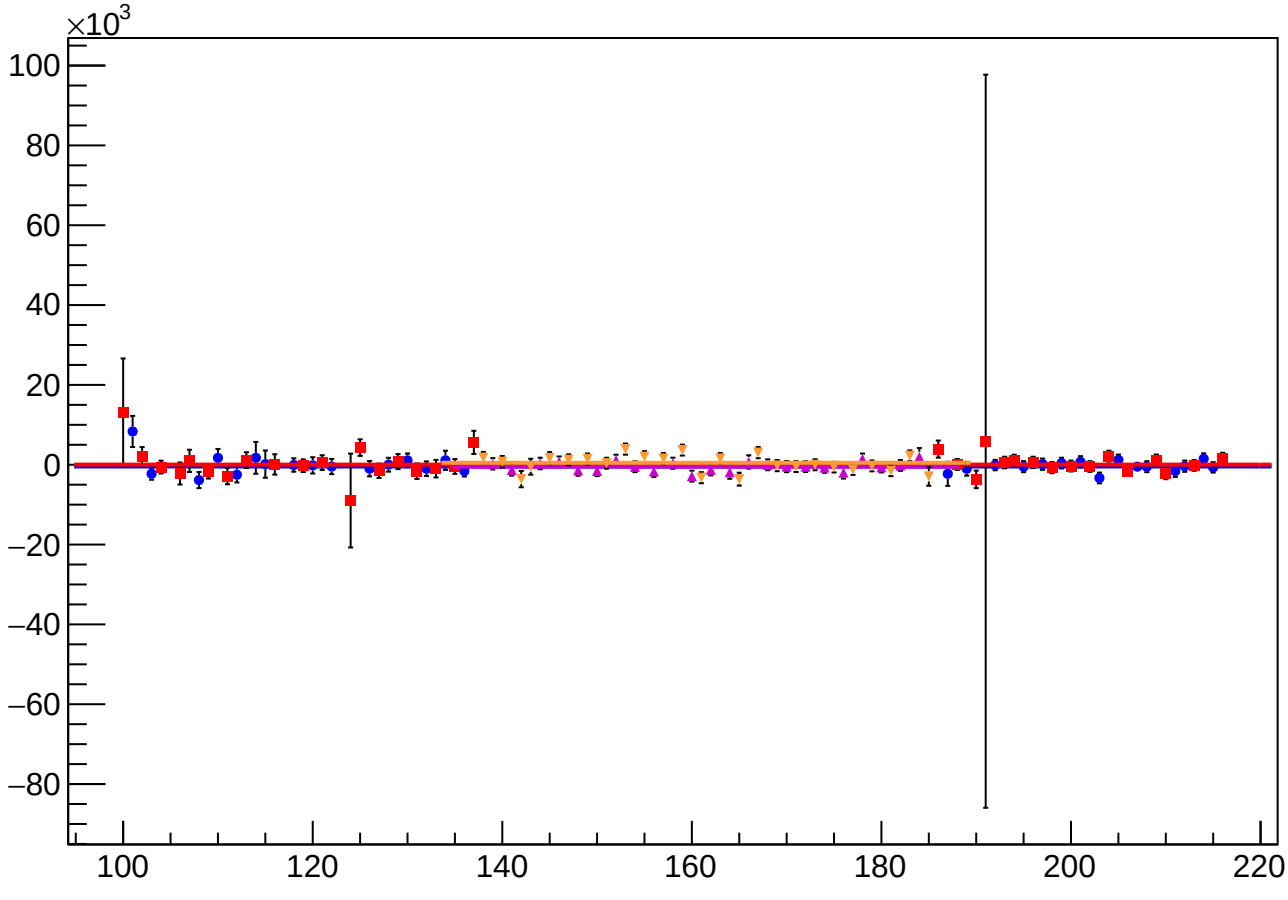
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4085.720+/-0.483 χ^2/NDF: 5711231.3/65

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3798.693+/-0.455 χ^2/NDF:7306827.4/59

All: 3990.434+/-0.336 χ^2/NDF: 11024271.5/1



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: 29.588+/-294.736 χ^2/NDF: 32.6/34

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

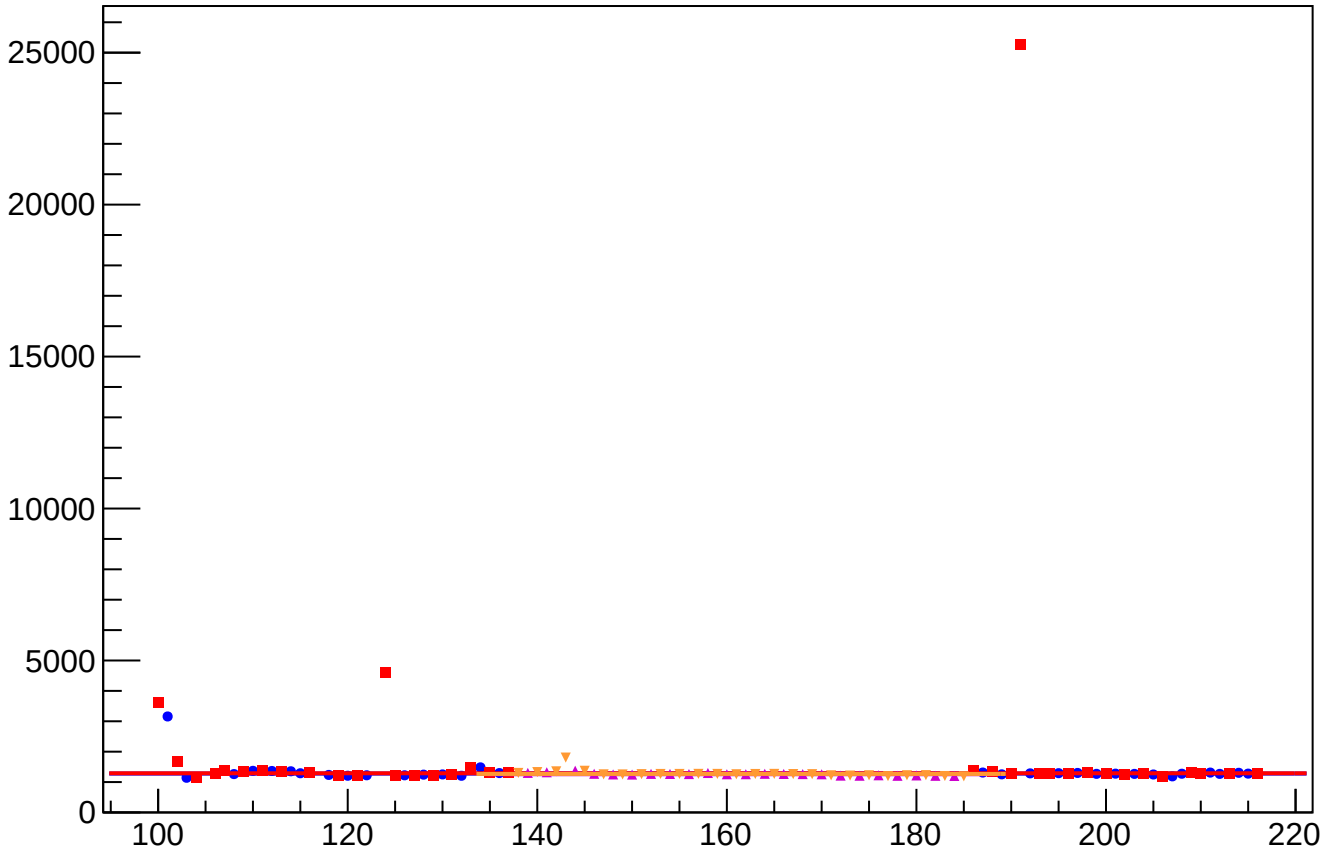
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -205.754+/-207.878 χ^2/NDF: 58.4/65

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 265.782+/-206.168 χ^2/NDF:80.8/59

All: -96.032+/-146.265 χ^2/NDF: 125.9/113



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: 1289.147+/-0.208 χ^2/NDF: 489951.7/34

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

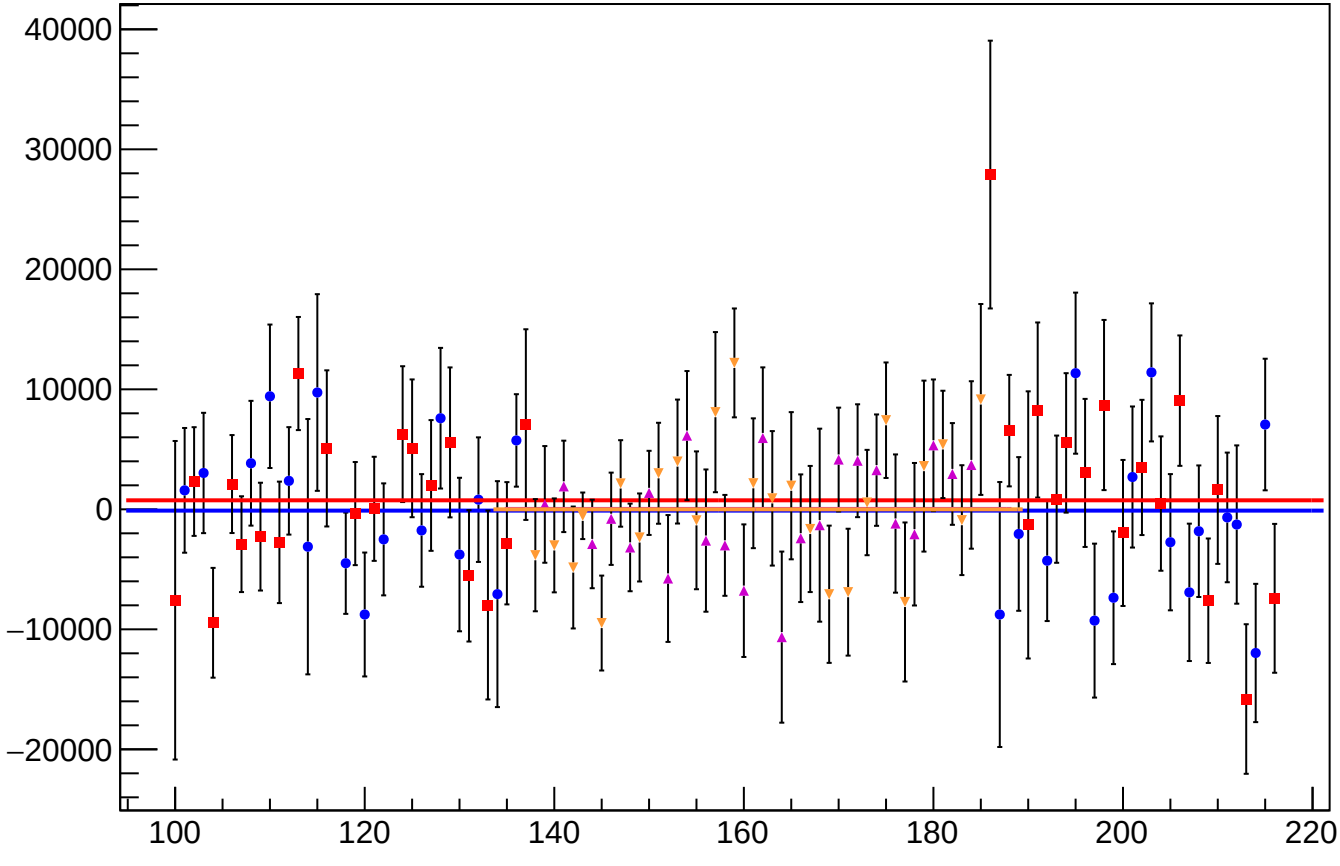
Right: 1283.886+/-0.147 χ^2/NDF: 1021464.1/65

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.827+/-0.146 χ^2/NDF:683285.4/59

All: 1273.013+/-0.103 χ^2/NDF: 1257719.6/11

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: 750.776+/-933.915 χ^2/NDF: 43.6/34

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

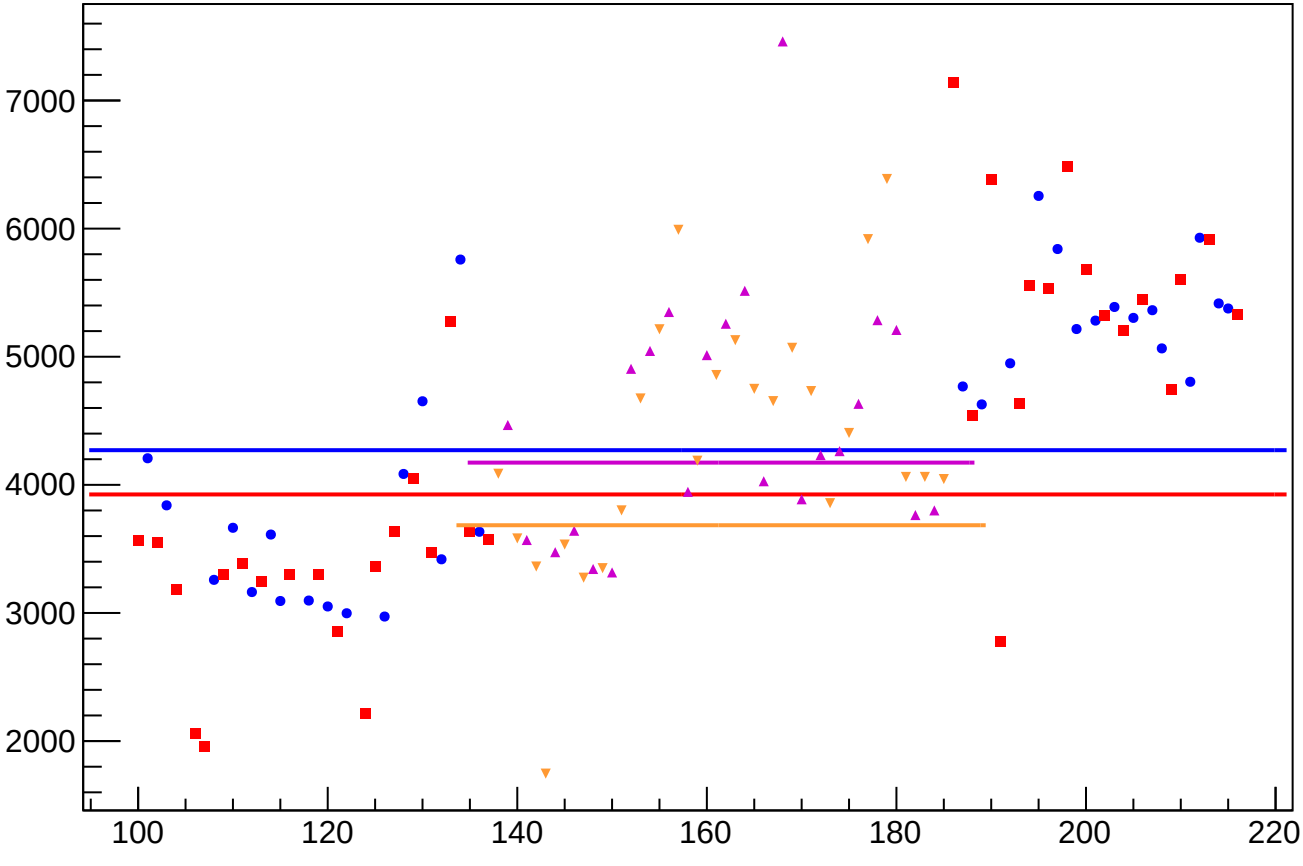
Right: 351.617+/-683.219 χ^2/NDF: 78.7/65

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 355.556+/-642.954 χ^2/NDF:73.0/59

All: 177.315+/-475.428 χ^2/NDF: 121.9/113

asym_atl_dd_atr_dd_avg_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: 3925.142+/-0.660 χ^2/NDF: 3543440.7/34

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

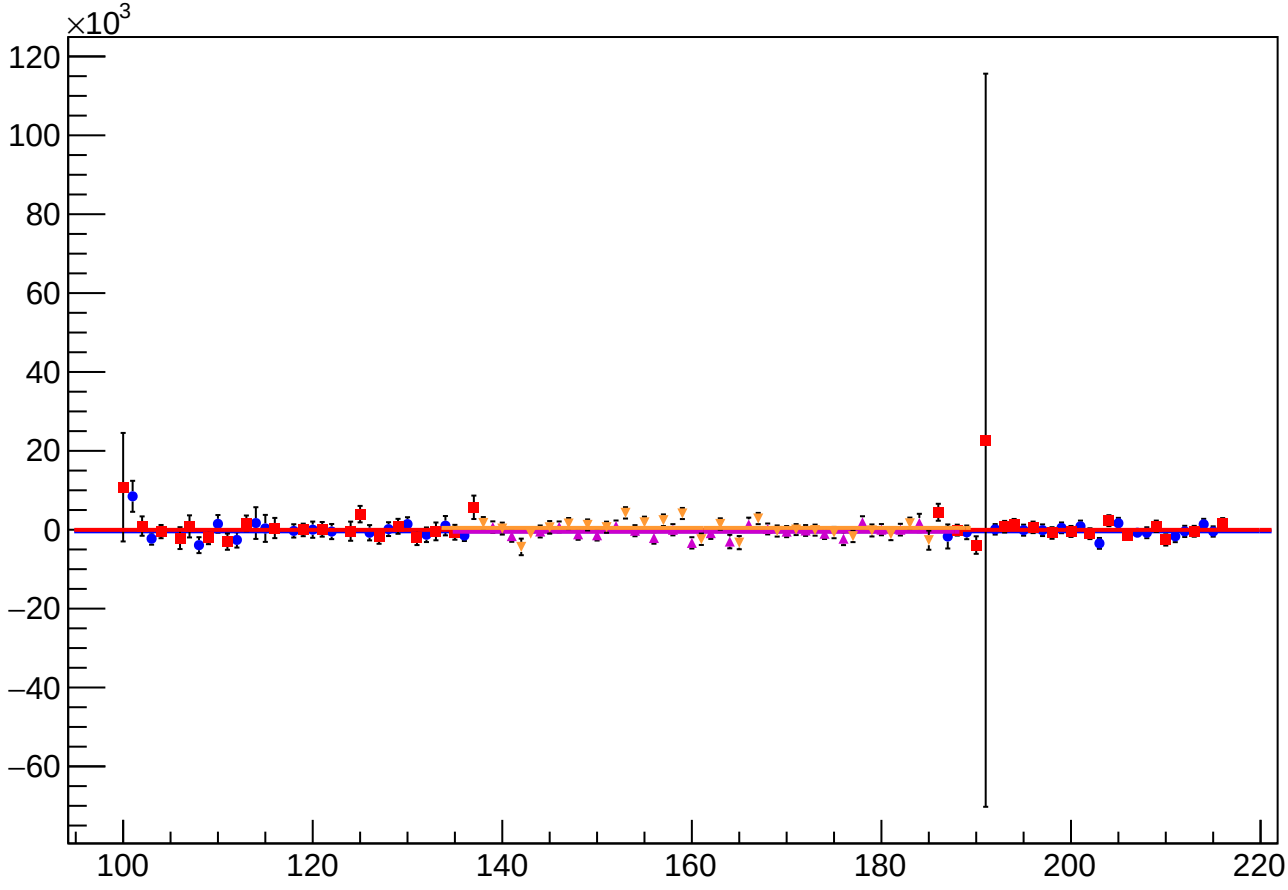
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4085.720+/-0.483 χ^2/NDF: 5711231.3/65

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3798.693+/-0.455 χ^2/NDF:7306827.4/59

All: 3990.434+/-0.336 χ^2/NDF: 11024271.5/1



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: -31.504+/-296.938 χ^2/NDF: 33.8/34

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

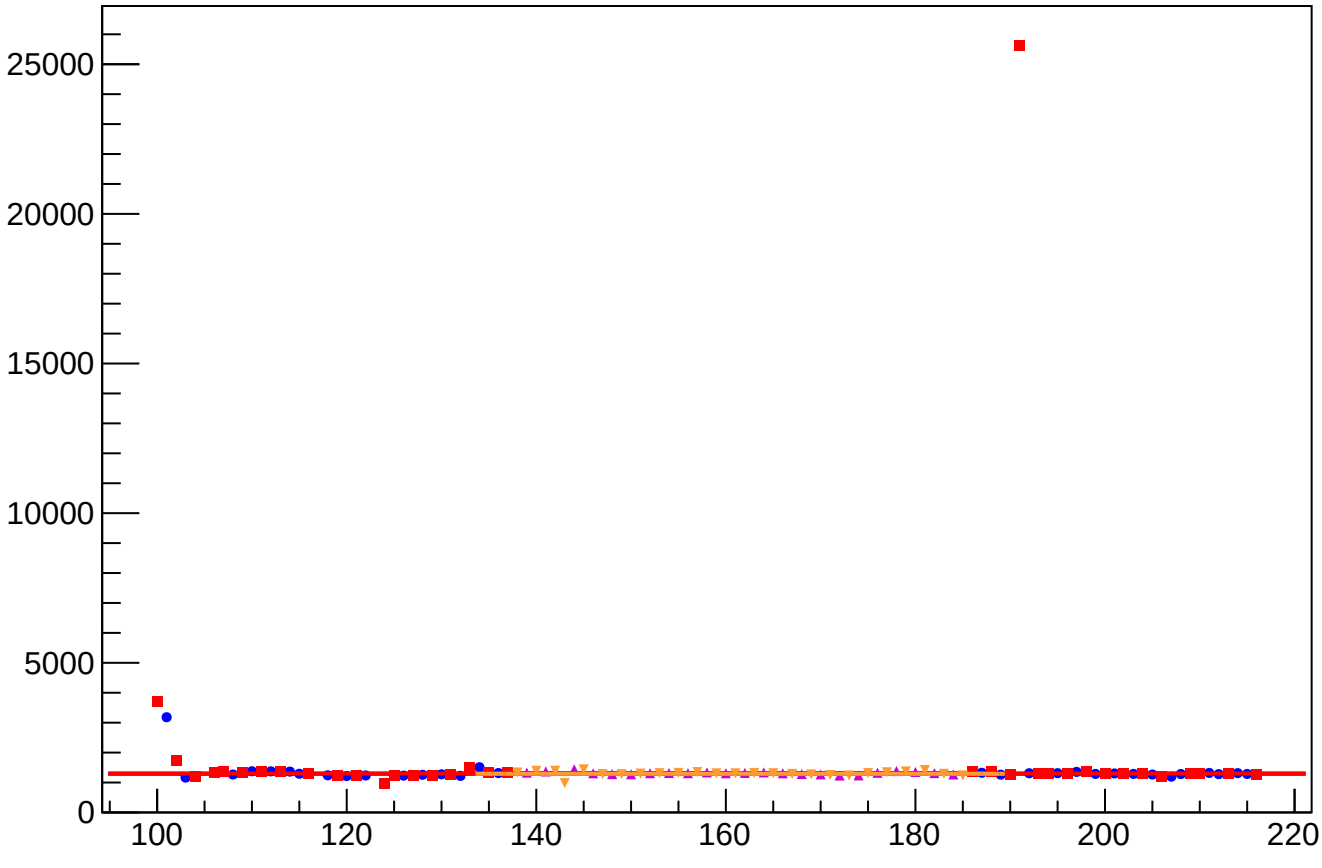
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -217.426+/-209.975 χ^2/NDF: 60.2/65

In: -451.795+/-213.463 χ^2/NDF:43.1/53

Out: 220.477+/-209.012 χ^2/NDF:79.3/59

All: -108.578+/-149.343 χ^2/NDF: 127.5/113



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: 1299.977+/-0.210 χ^2/NDF: 378886.7/34

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

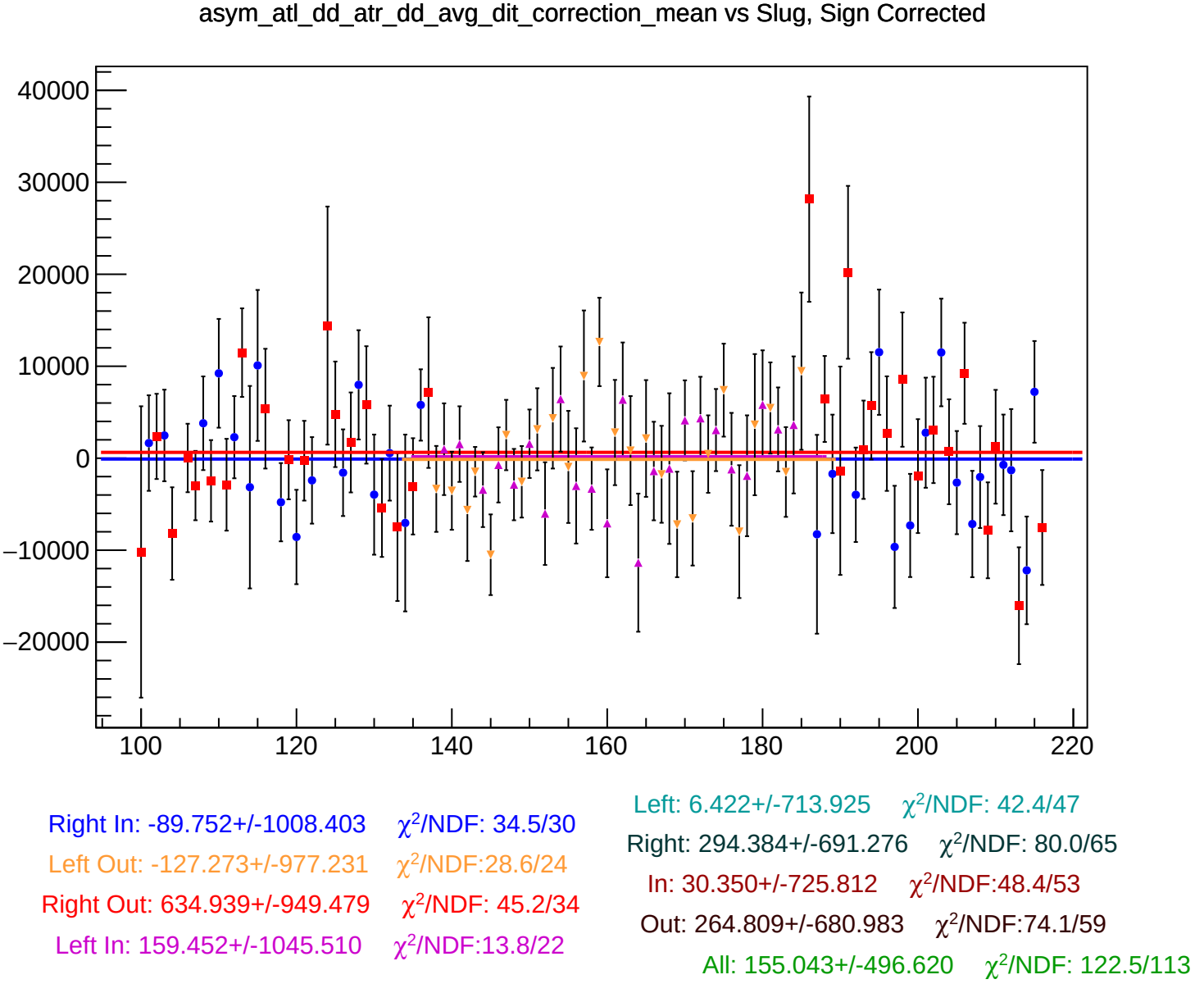
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

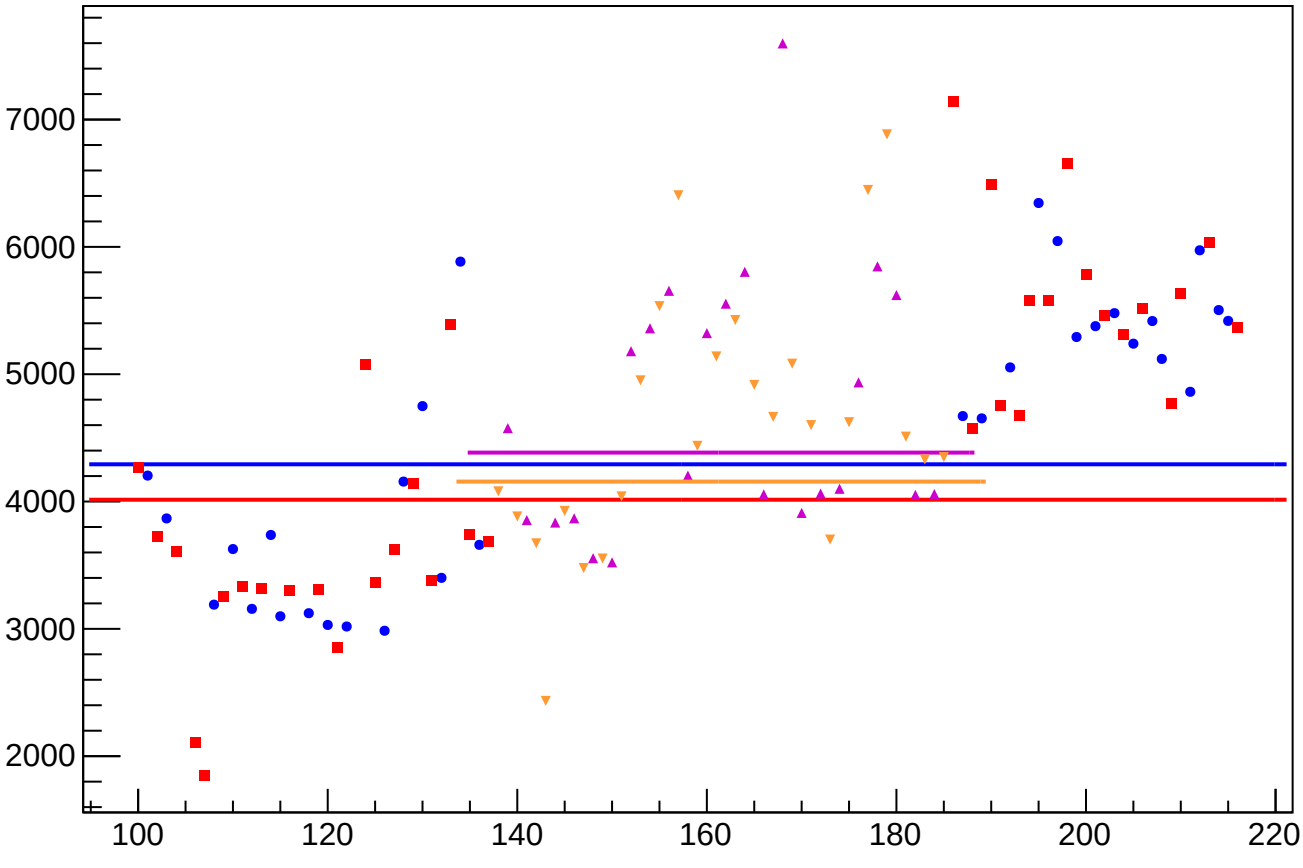
Right: 1297.388+/-0.148 χ^2/NDF: 909400.2/65

In: 1304.080+/-0.151 χ^2/NDF:577298.1/53

Out: 1295.555+/-0.148 χ^2/NDF:610501.5/59

All: 1299.727+/-0.106 χ^2/NDF: 1189428.5/11


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -89.752+/-1008.403 χ²/NDF: 34.5/30
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 634.939+/-949.479 χ²/NDF: 45.2/34
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 294.384+/-691.276 χ²/NDF: 80.0/65
In: 30.350+/-725.812 χ²/NDF:48.4/53
Out: 264.809+/-680.983 χ²/NDF:74.1/59
All: 155.043+/-496.620 χ²/NDF: 122.5/113



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: 4014.174+/-0.671 χ^2/NDF: 3581136.8/34

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

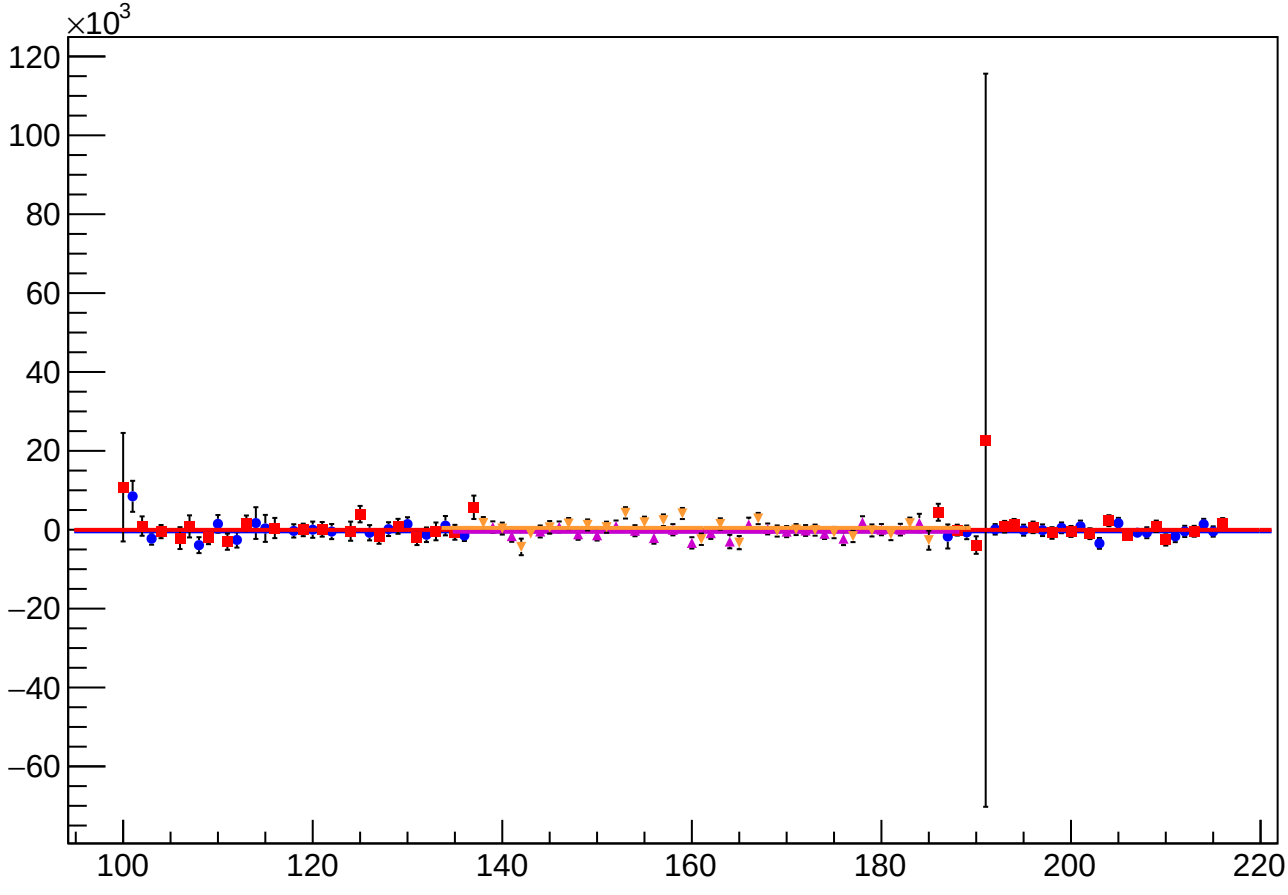
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4144.956+/-0.489 χ^2/NDF: 5803949.4/65

In: 4336.739+/-0.513 χ^2/NDF:3405534.8/53

Out: 4083.327+/-0.482 χ^2/NDF:5683750.4/59

All: 4201.966+/-0.351 χ^2/NDF: 9218946.9/11



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: -31.505+/-296.938 χ^2/NDF: 33.8/34

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

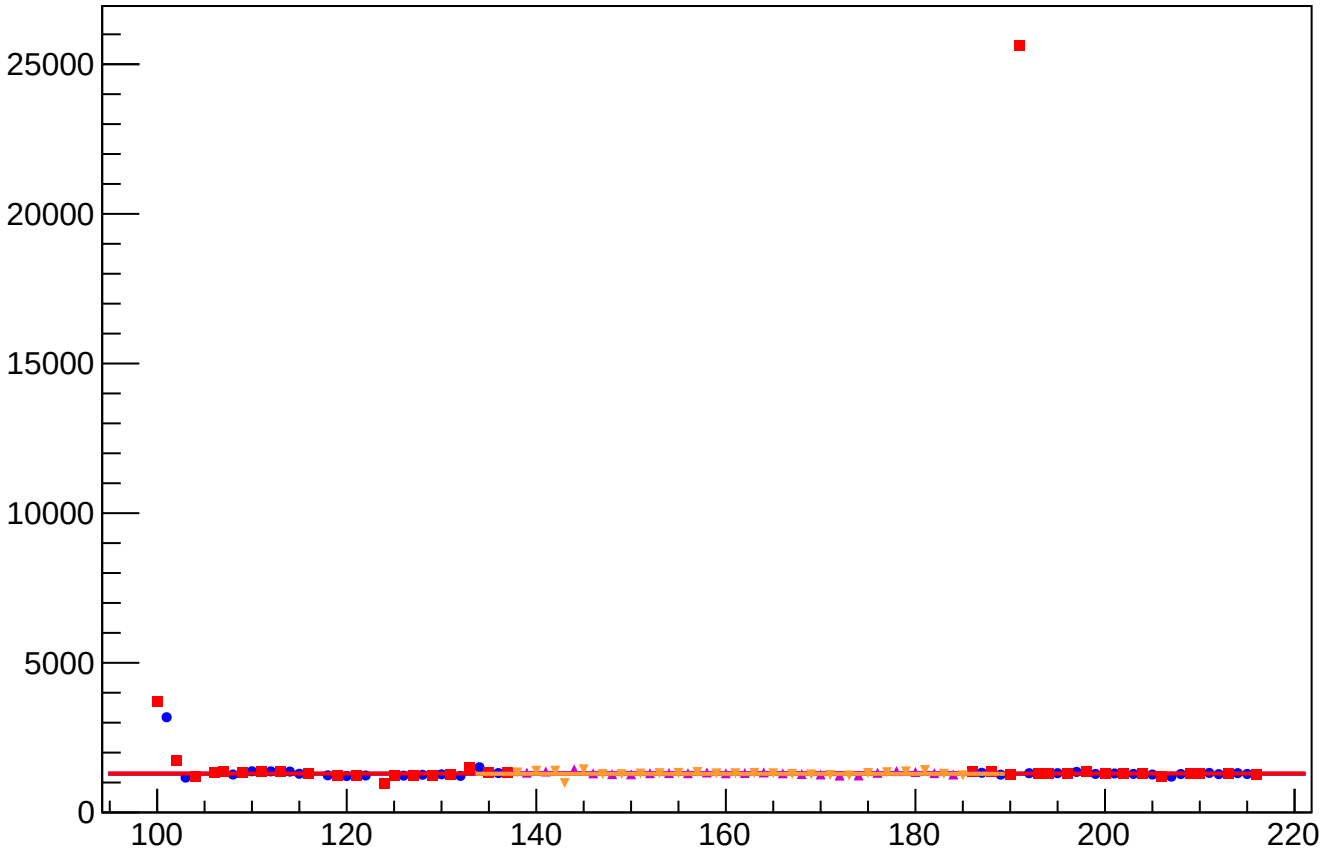
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -217.426+/-209.975 χ^2/NDF: 60.2/65

In: -451.794+/-213.463 χ^2/NDF:43.1/53

Out: 220.478+/-209.013 χ^2/NDF:79.3/59

All: -108.577+/-149.343 χ^2/NDF: 127.5/113



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: 1299.977+/-0.210 χ^2/NDF: 378886.8/34

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

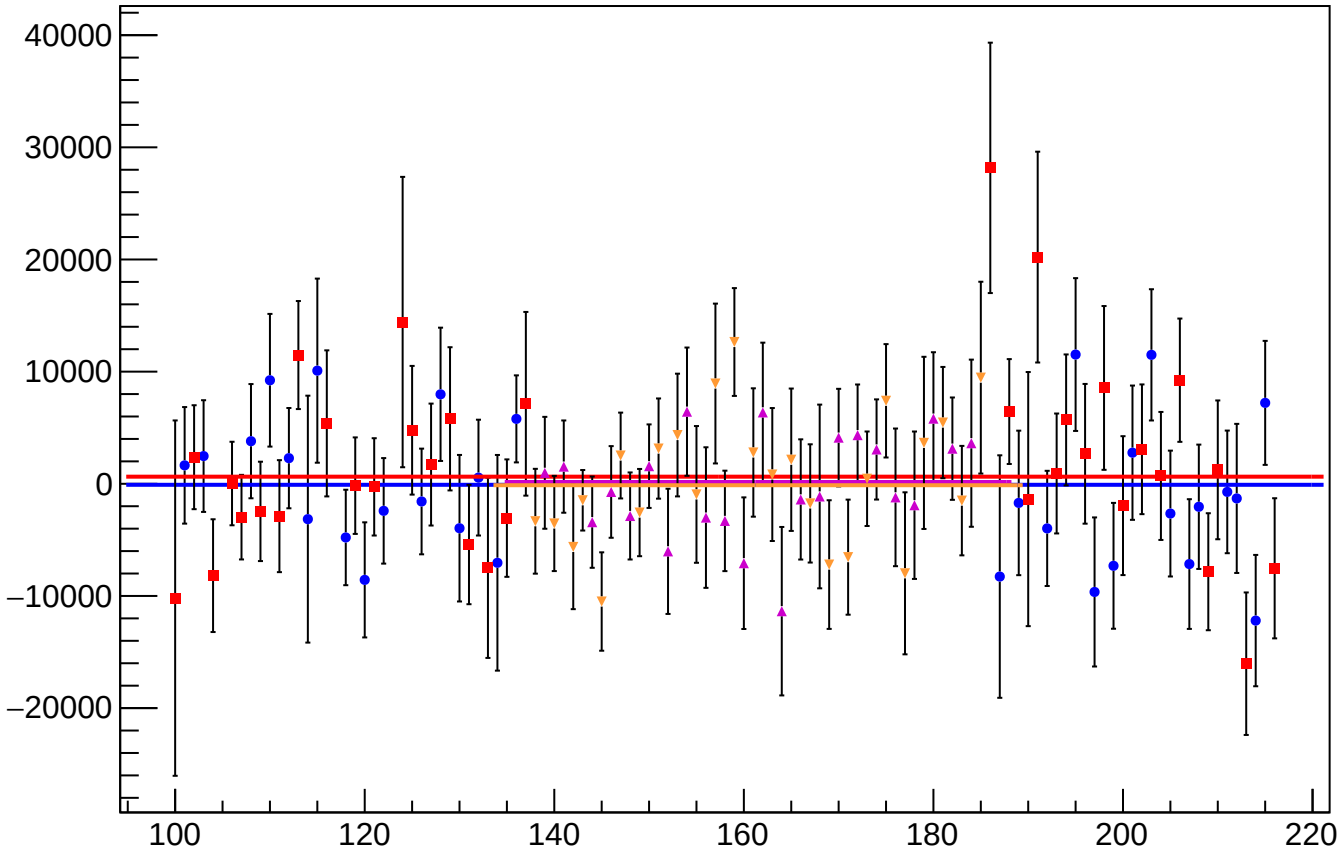
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.388+/-0.148 χ^2/NDF: 909400.4/65

In: 1304.081+/-0.151 χ^2/NDF:577300.9/53

Out: 1295.556+/-0.148 χ^2/NDF:610503.9/59

All: 1299.728+/-0.106 χ^2/NDF: 1189433.6/11



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: 634.934+/-949.478 χ^2/NDF: 45.2/34

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

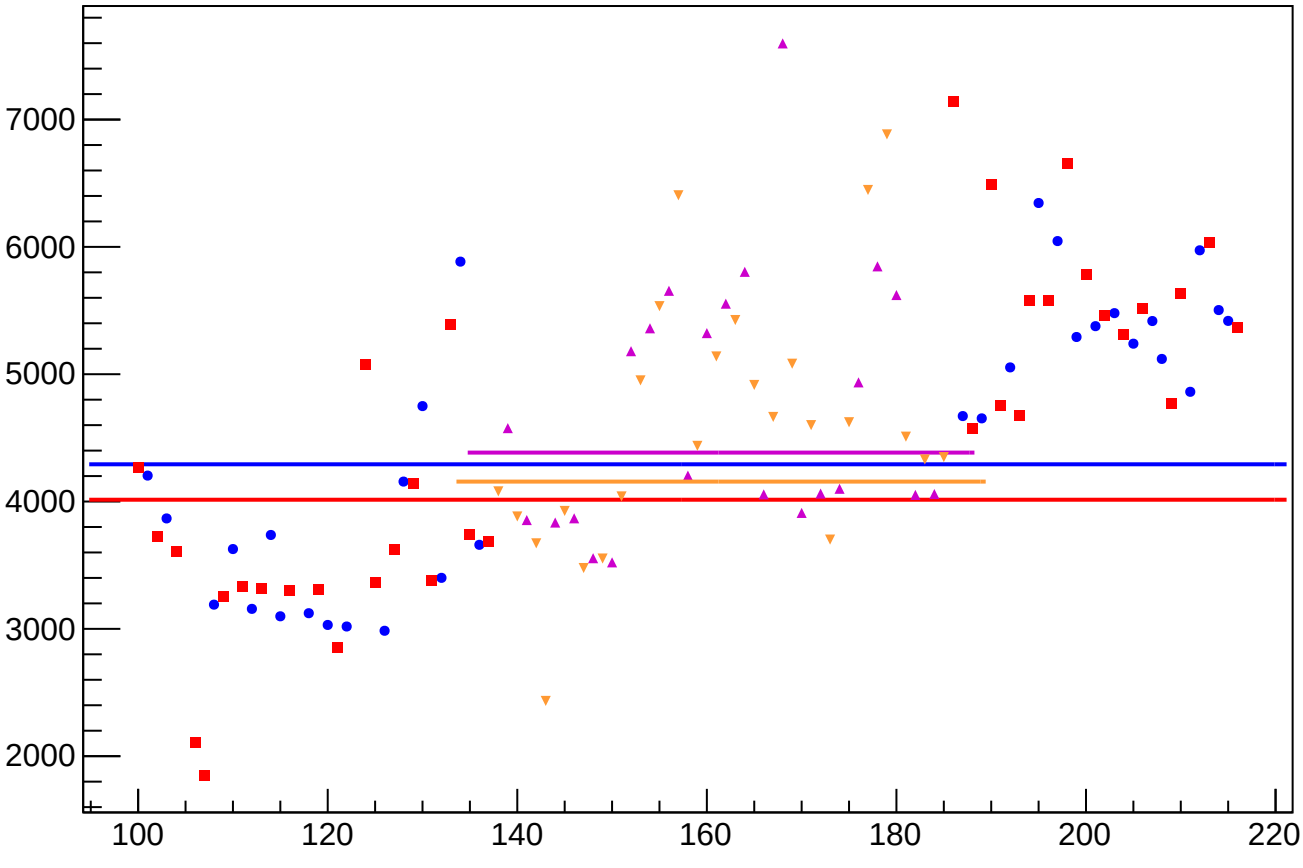
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 294.380+/-691.275 χ^2/NDF: 80.0/65

In: 30.348+/-725.813 χ^2/NDF:48.4/53

Out: 264.809+/-680.983 χ^2/NDF:74.1/59

All: 155.042+/-496.620 χ^2/NDF: 122.5/113



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: 4014.168+/-0.671 χ^2/NDF: 3581172.3/34

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

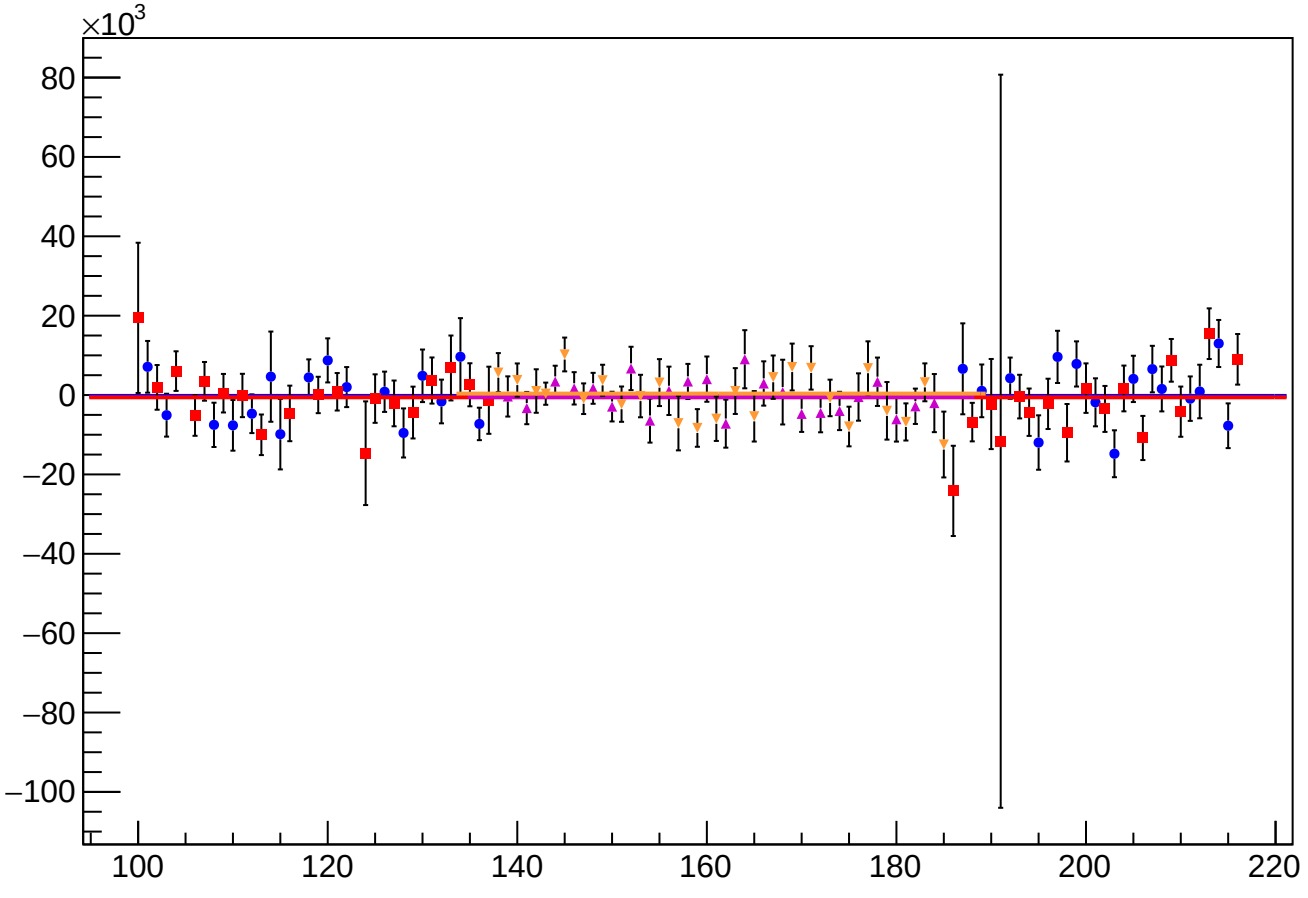
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4144.950+/-0.489 χ^2/NDF: 5804024.0/65

In: 4336.740+/-0.513 χ^2/NDF:3405579.4/53

Out: 4083.327+/-0.482 χ^2/NDF:5683792.6/59

All: 4201.966+/-0.351 χ^2/NDF: 9219034.3/11



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: -567.702+/-1026.015 χ^2/NDF: 35.5/34

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

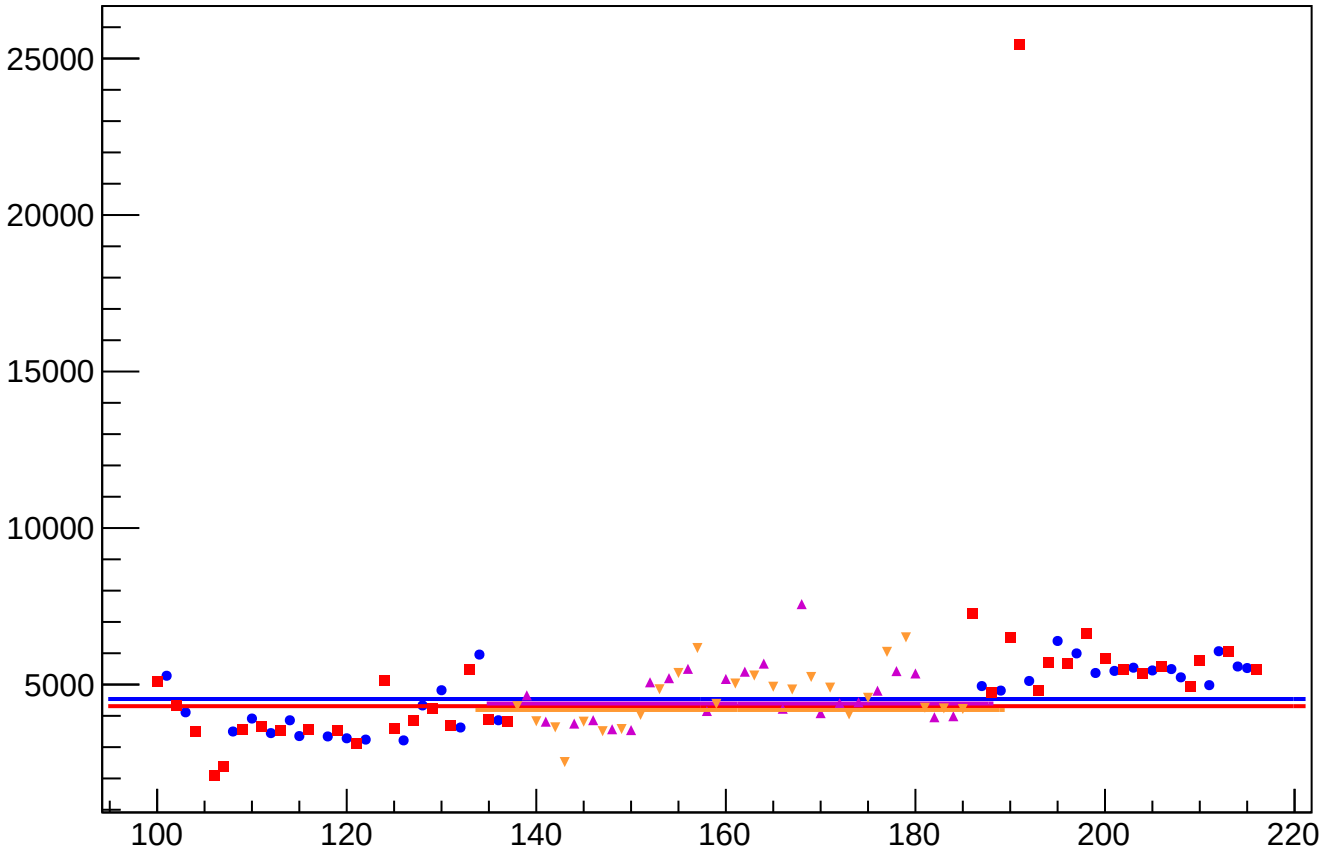
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -400.001+/-737.241 χ^2/NDF: 76.9/65

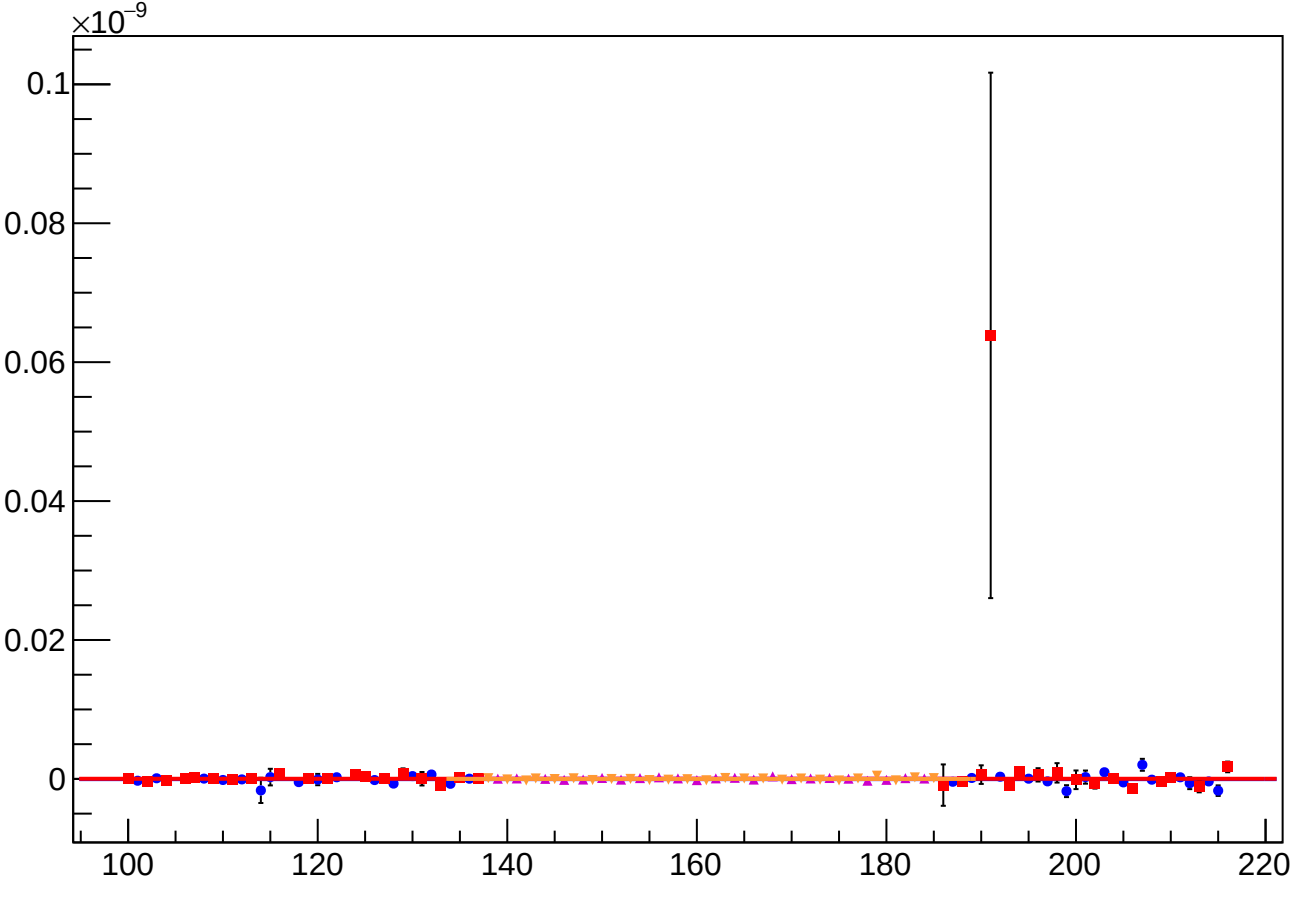
In: -361.271+/-744.084 χ^2/NDF:55.3/53

Out: -81.194+/-708.621 χ^2/NDF:63.6/59

All: -214.399+/-513.150 χ^2/NDF: 119.0/113


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: 4309.396+/-0.720 χ²/NDF: 2840615.1/34
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4419.111+/-0.519 χ²/NDF: 4613204.8/65
In: 4465.187+/-0.526 χ²/NDF:2831196.7/53
Out: 4246.321+/-0.499 χ²/NDF:4651765.8/59
All: 4349.989+/-0.362 χ²/NDF: 7574040.4/11

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.3/34

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

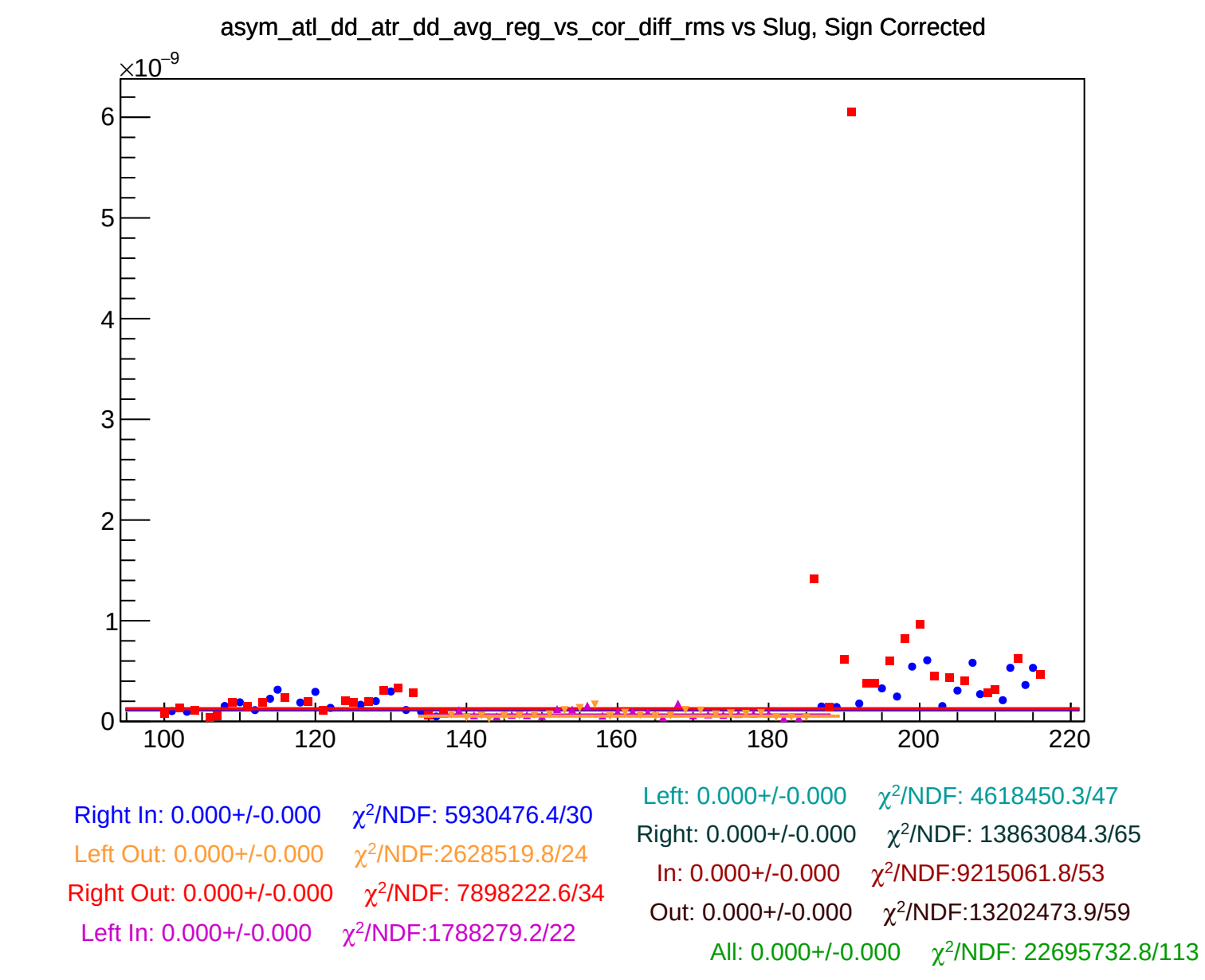
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 81.1/65

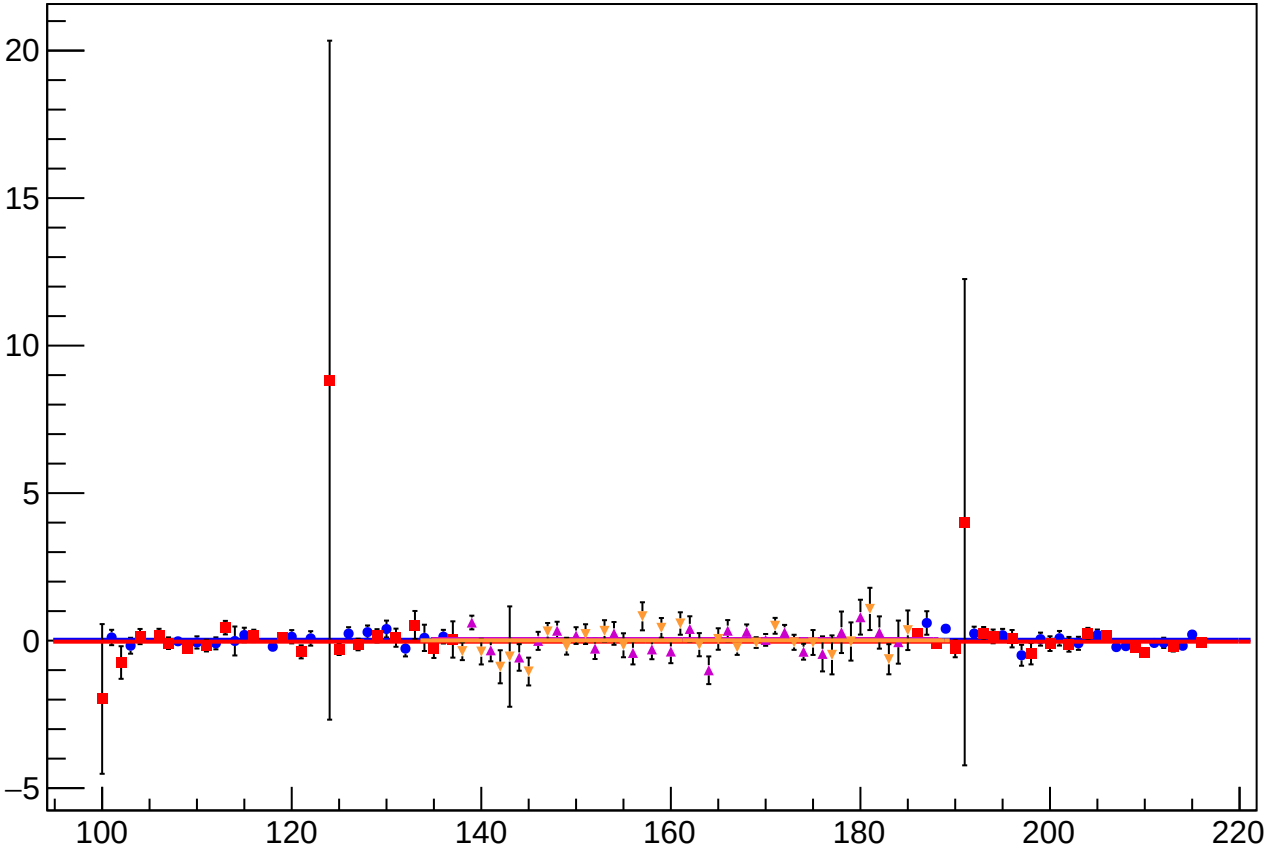
In: 0.000+/-0.000 χ^2/NDF:58.2/53

Out: -0.000+/-0.000 χ^2/NDF:70.9/59

All: 0.000+/-0.000 χ^2/NDF: 129.3/113


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: 7898222.6/34
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: 13863084.3/65
In: 0.000+/-0.000 χ²/NDF:9215061.8/53
Out: 0.000+/-0.000 χ²/NDF:13202473.9/59
All: 0.000+/-0.000 χ²/NDF: 22695732.8/113

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

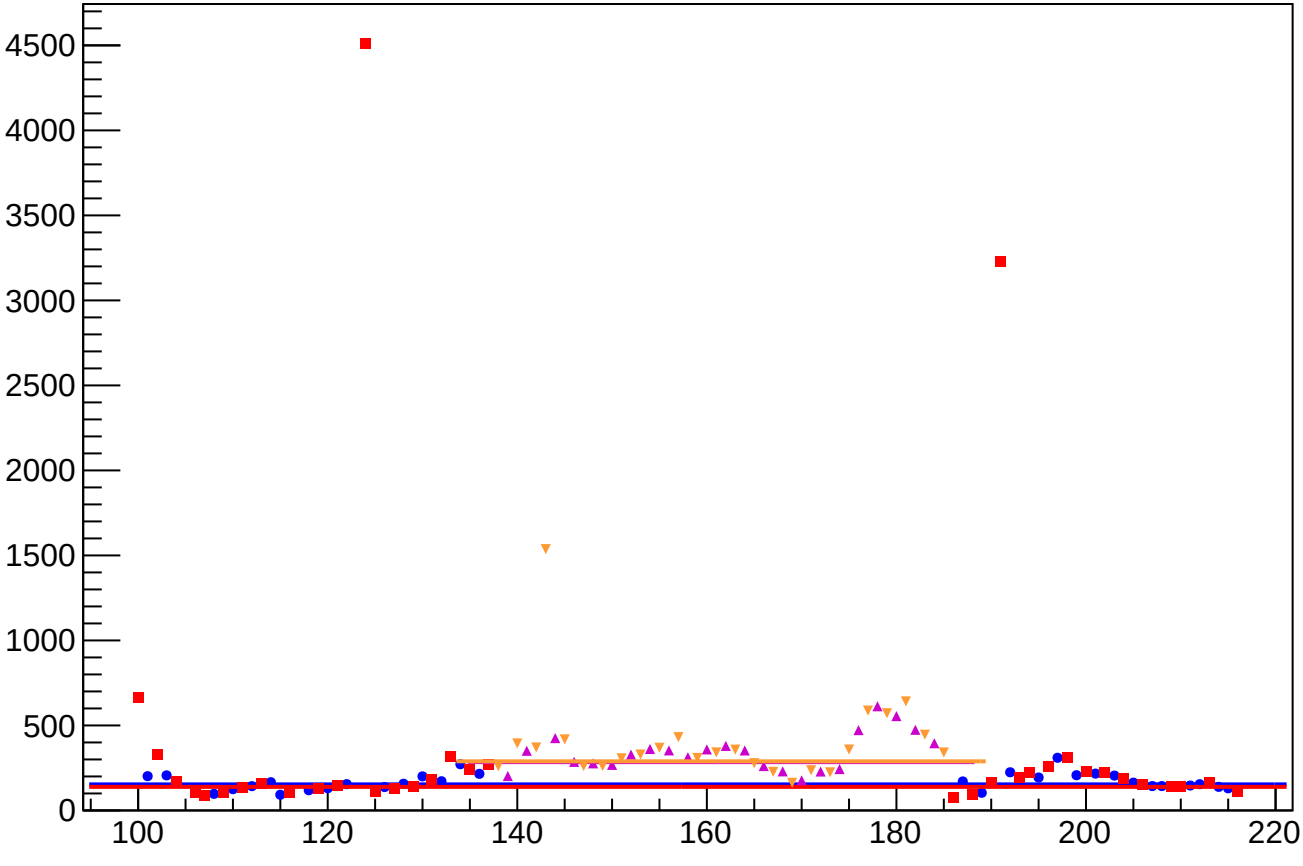
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.738+/-0.024 χ^2/NDF: 4792212.8/34

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

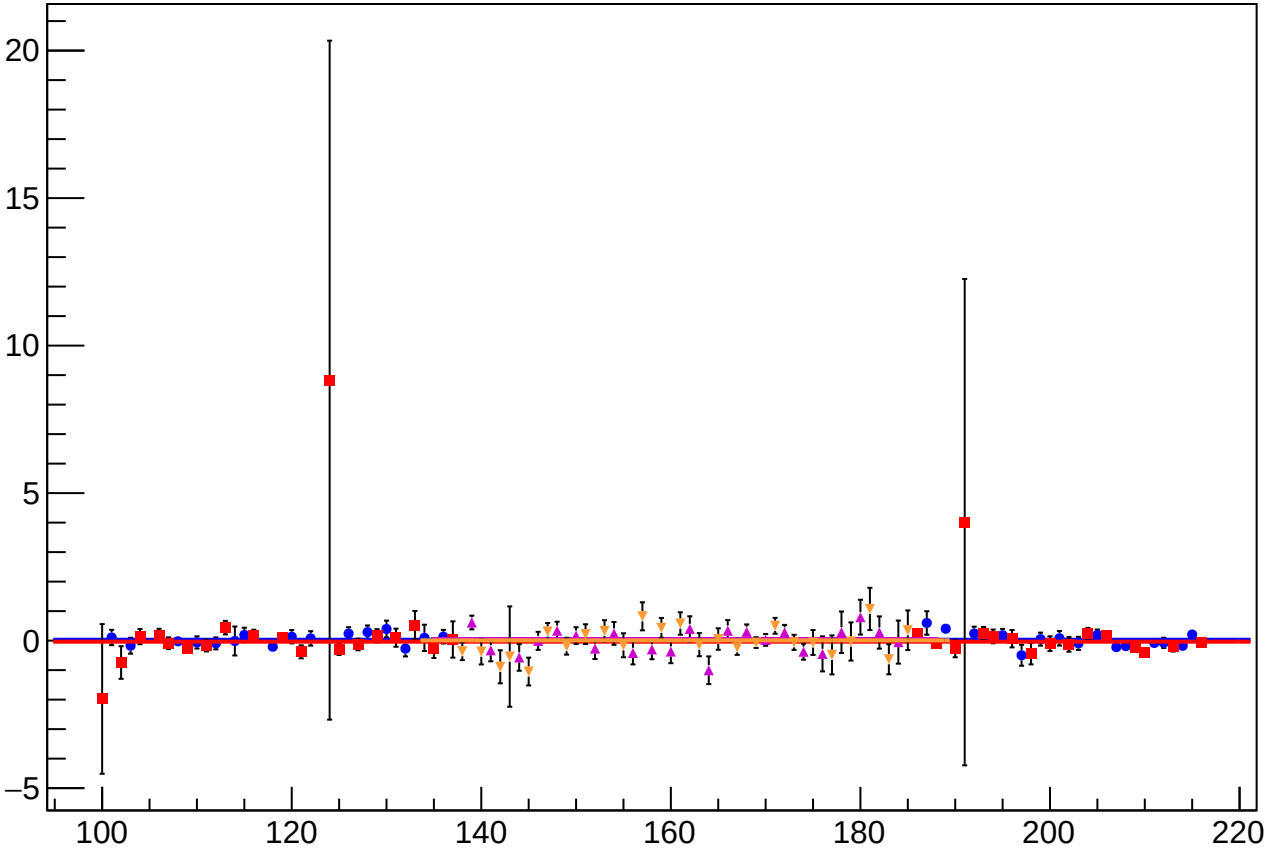
Right: 145.556+/-0.018 χ^2/NDF: 7307817.2/65

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 167.485+/-0.022 χ^2/NDF:16672450.7/59

All: 174.101+/-0.016 χ^2/NDF: 27716978.1/11

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

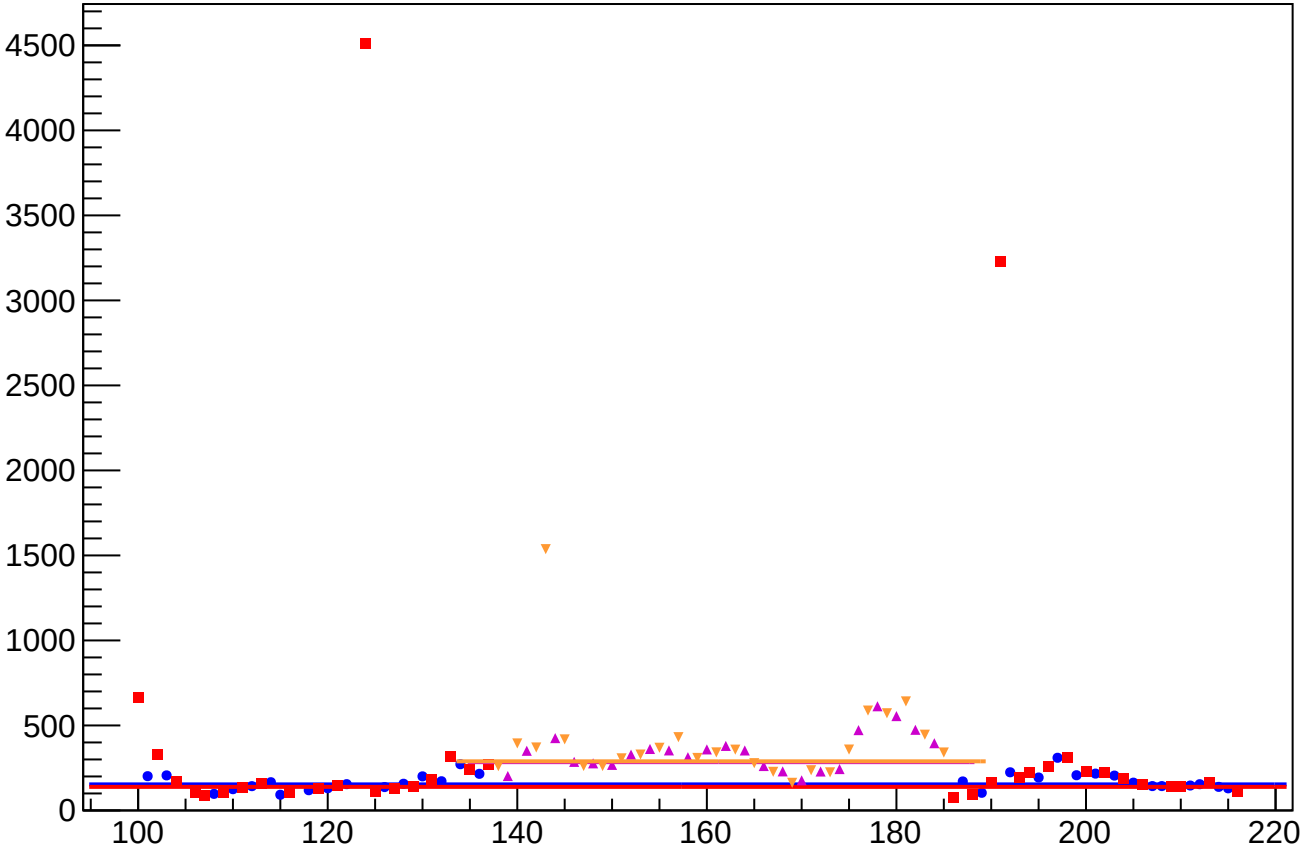
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.738+/-0.024 χ^2/NDF: 4792212.8/34

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

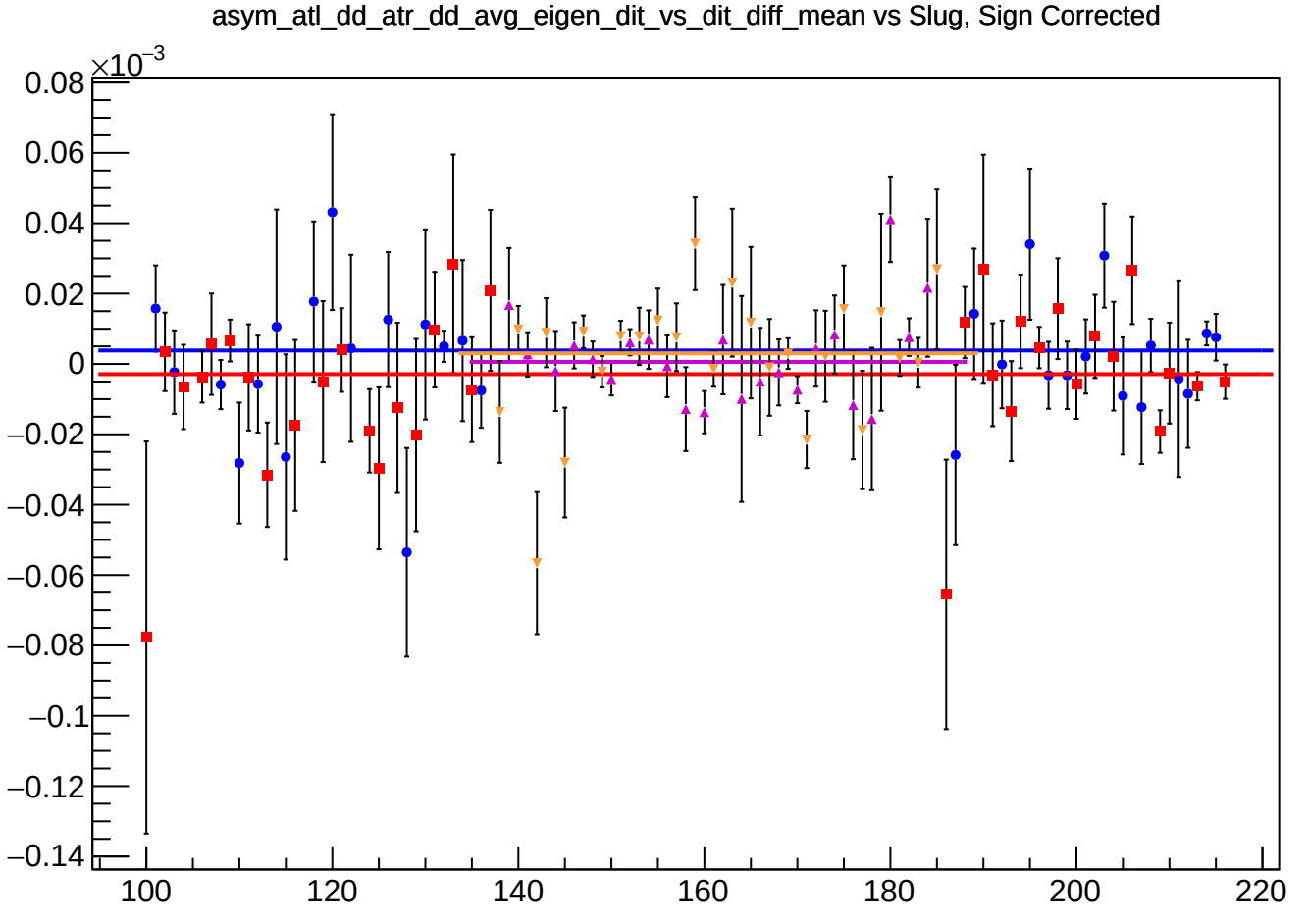
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 145.556+/-0.018 χ^2/NDF: 7307817.2/65

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 167.485+/-0.022 χ^2/NDF:16672450.7/59

All: 174.101+/-0.016 χ^2/NDF: 27716978.1/11



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: 39.9/34

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

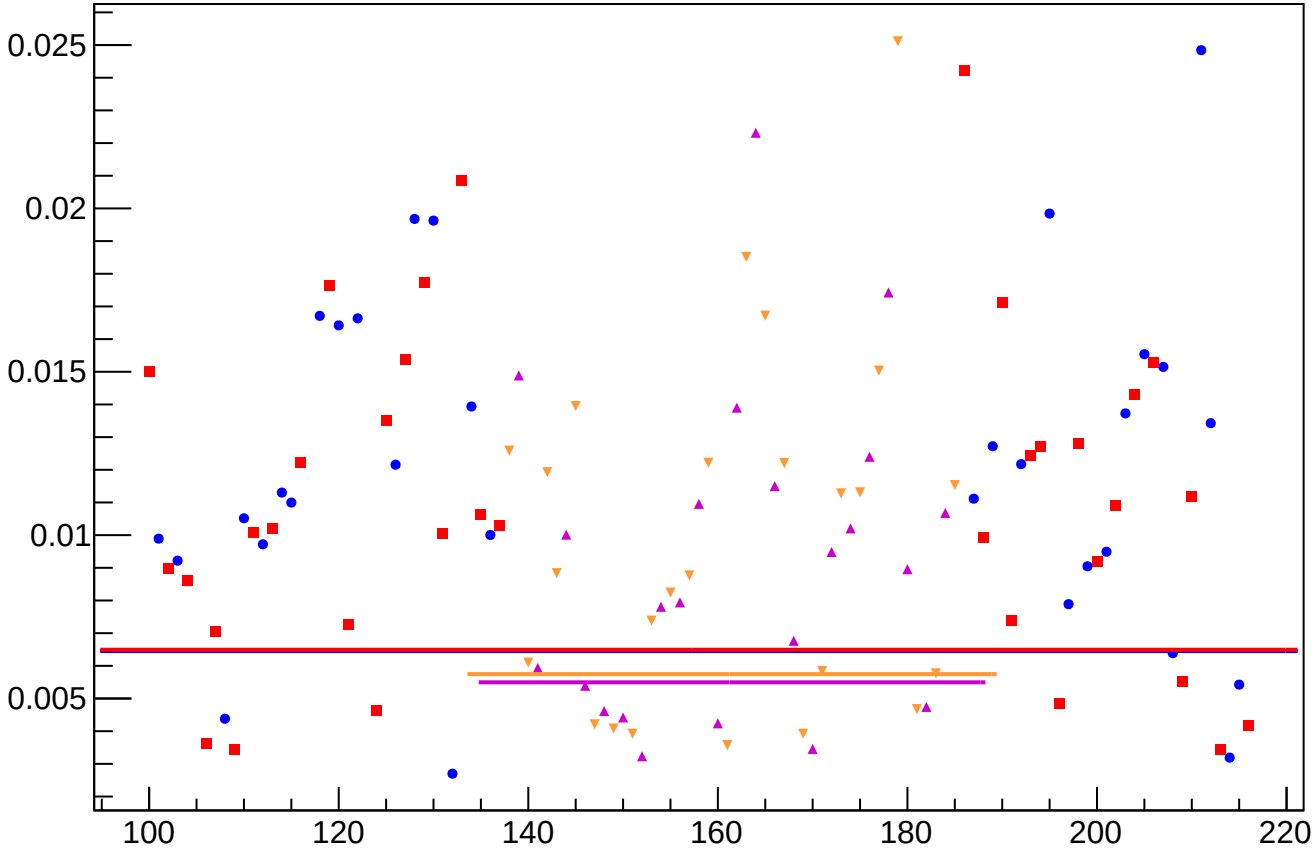
Right: 0.000+/-0.000 χ^2/NDF: 75.8/65

In: 0.000+/-0.000 χ^2/NDF:63.8/53

Out: 0.000+/-0.000 χ^2/NDF:88.7/59

All: 0.000+/-0.000 χ^2/NDF: 153.3/113

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 11320349.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9153023.7/34

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

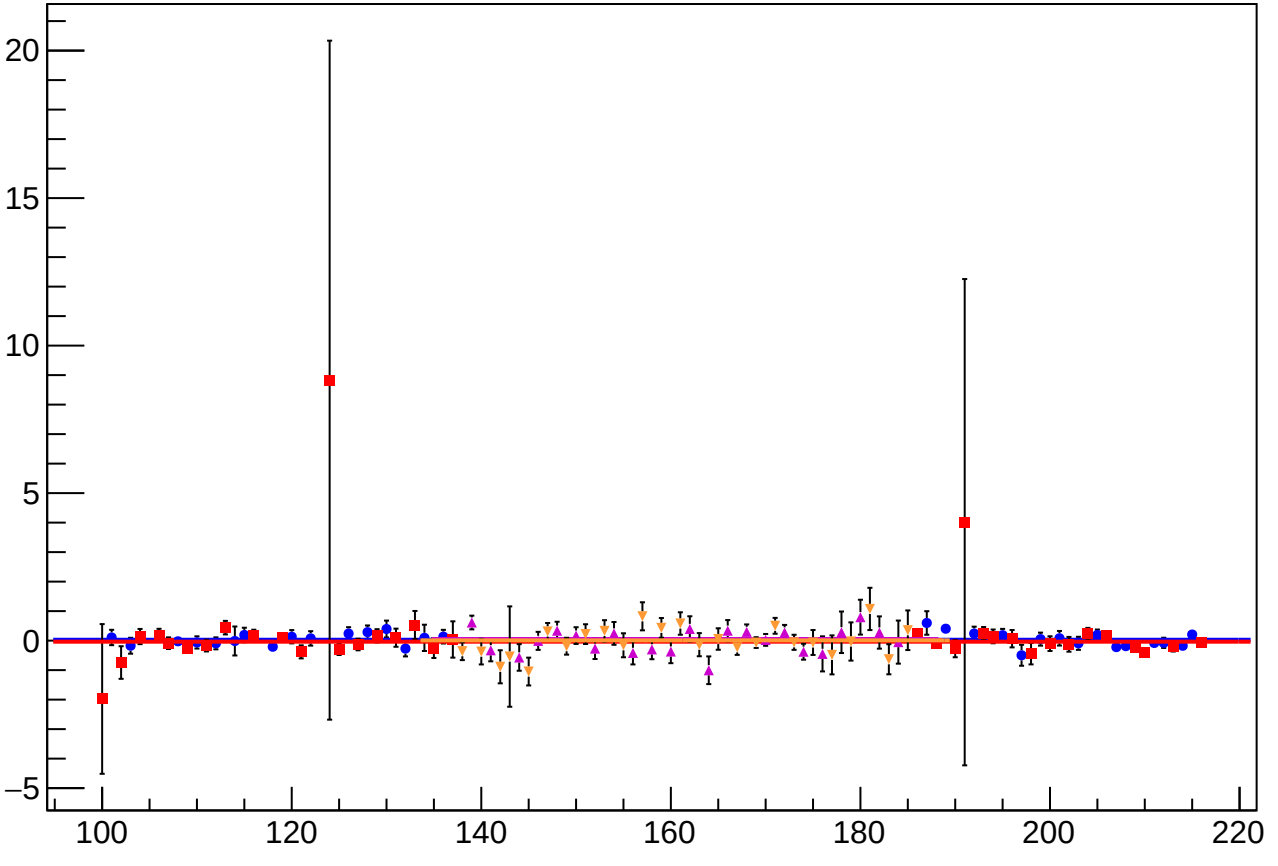
Right: 0.006+/-0.000 χ^2/NDF: 20473917.2/65

In: 0.006+/-0.000 χ^2/NDF:18585008.7/53

Out: 0.006+/-0.000 χ^2/NDF:17490336.5/59

All: 0.006+/-0.000 χ^2/NDF: 36100368.5/113

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

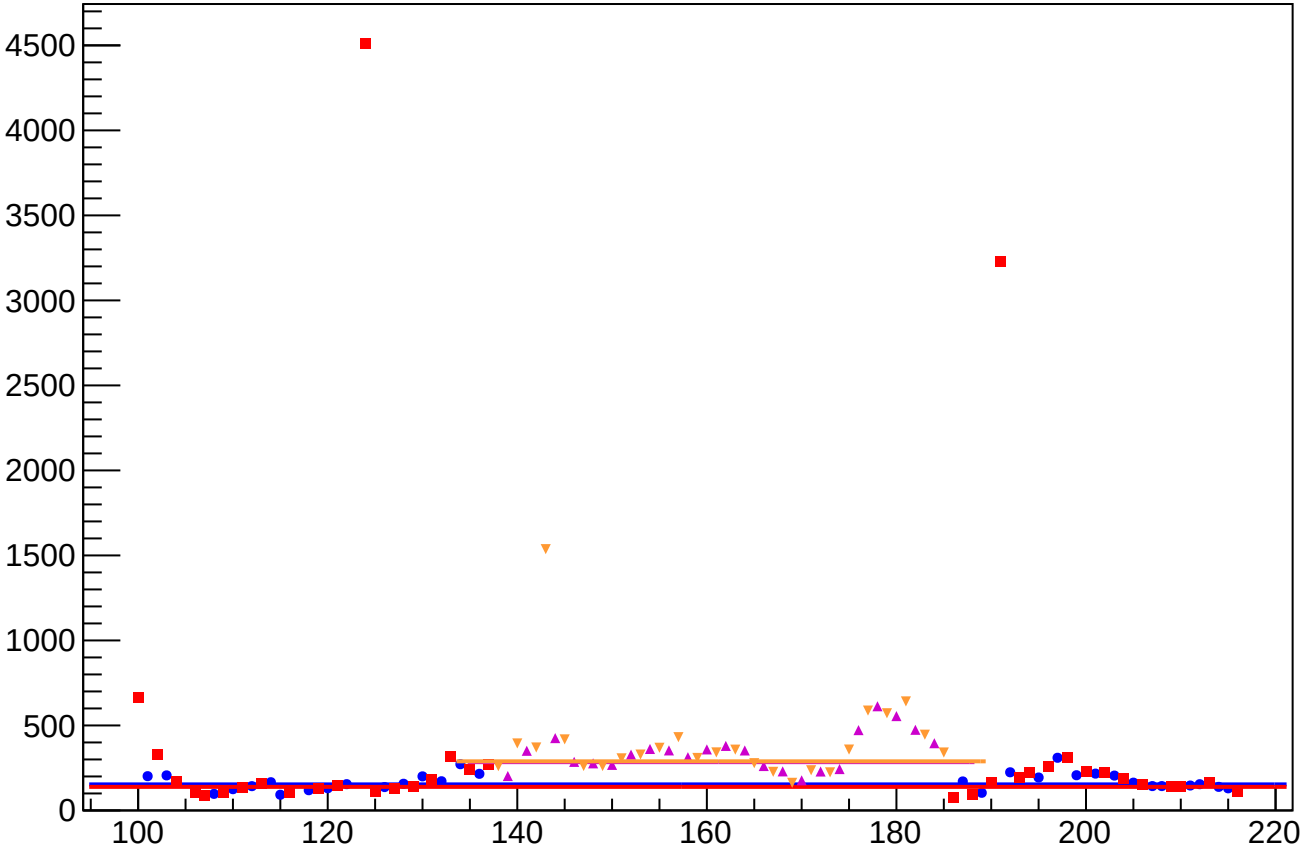
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.740+/-0.024 χ^2/NDF: 4792049.6/34

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

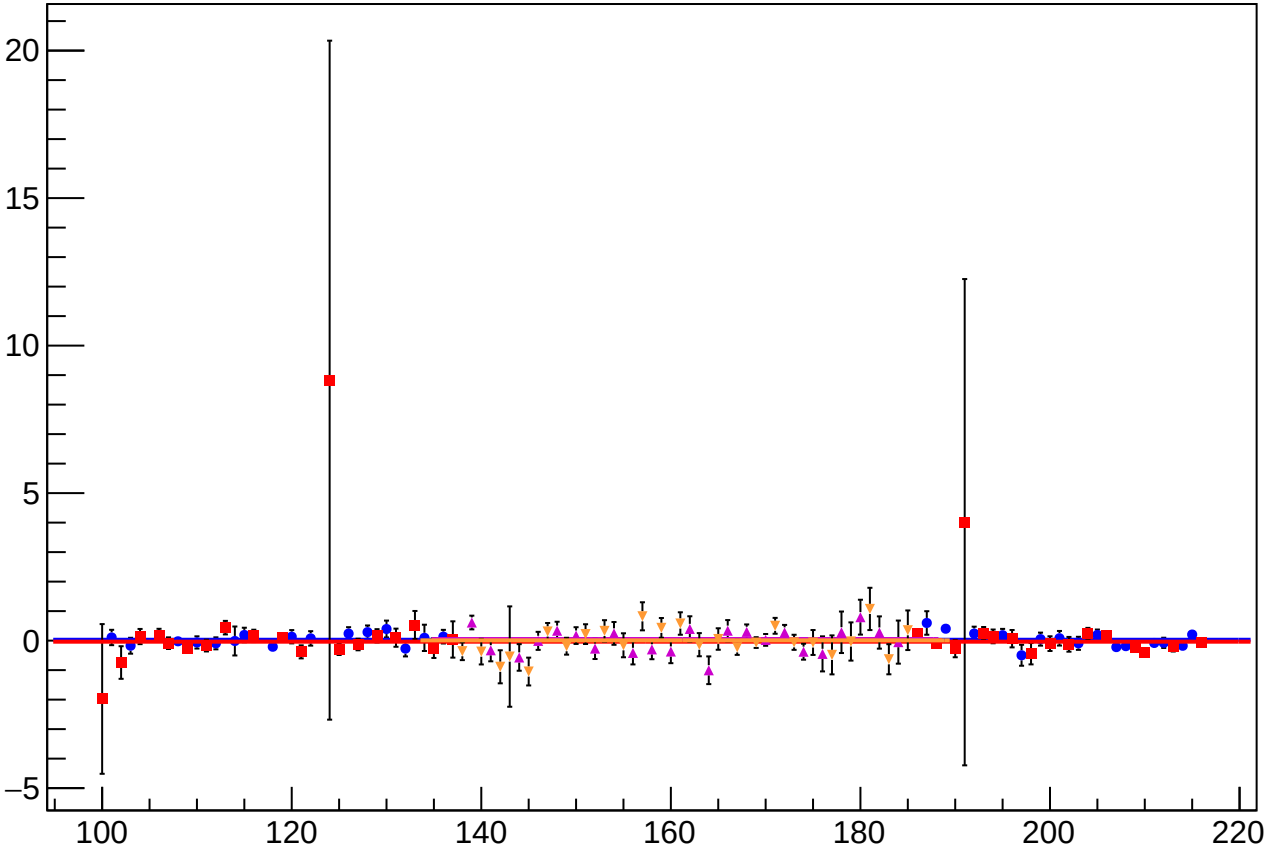
Right: 145.558+/-0.018 χ^2/NDF: 7307611.7/65

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 167.487+/-0.022 χ^2/NDF:16672274.9/59

All: 174.102+/-0.016 χ^2/NDF: 27716879.3/11

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

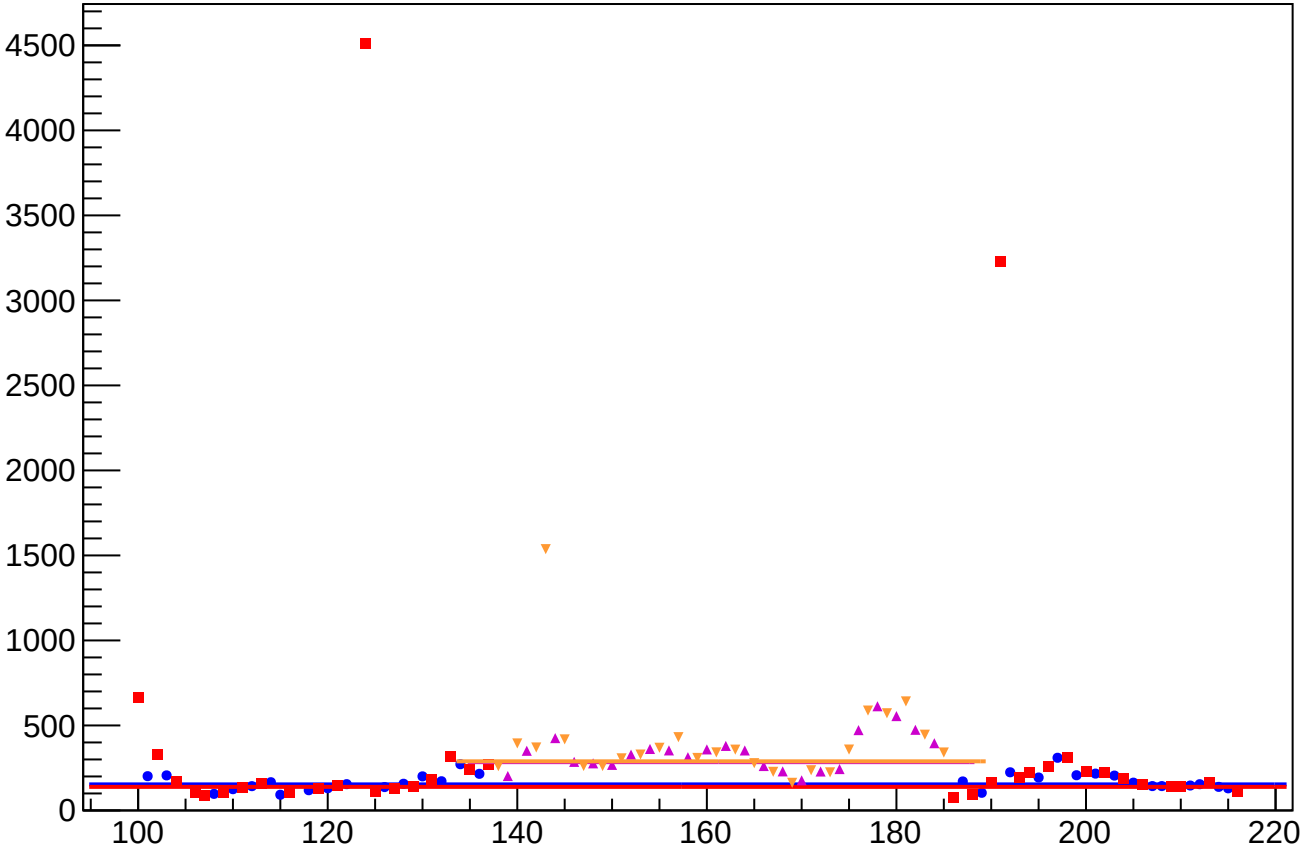
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.740+/-0.024 χ^2/NDF: 4792049.6/34

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

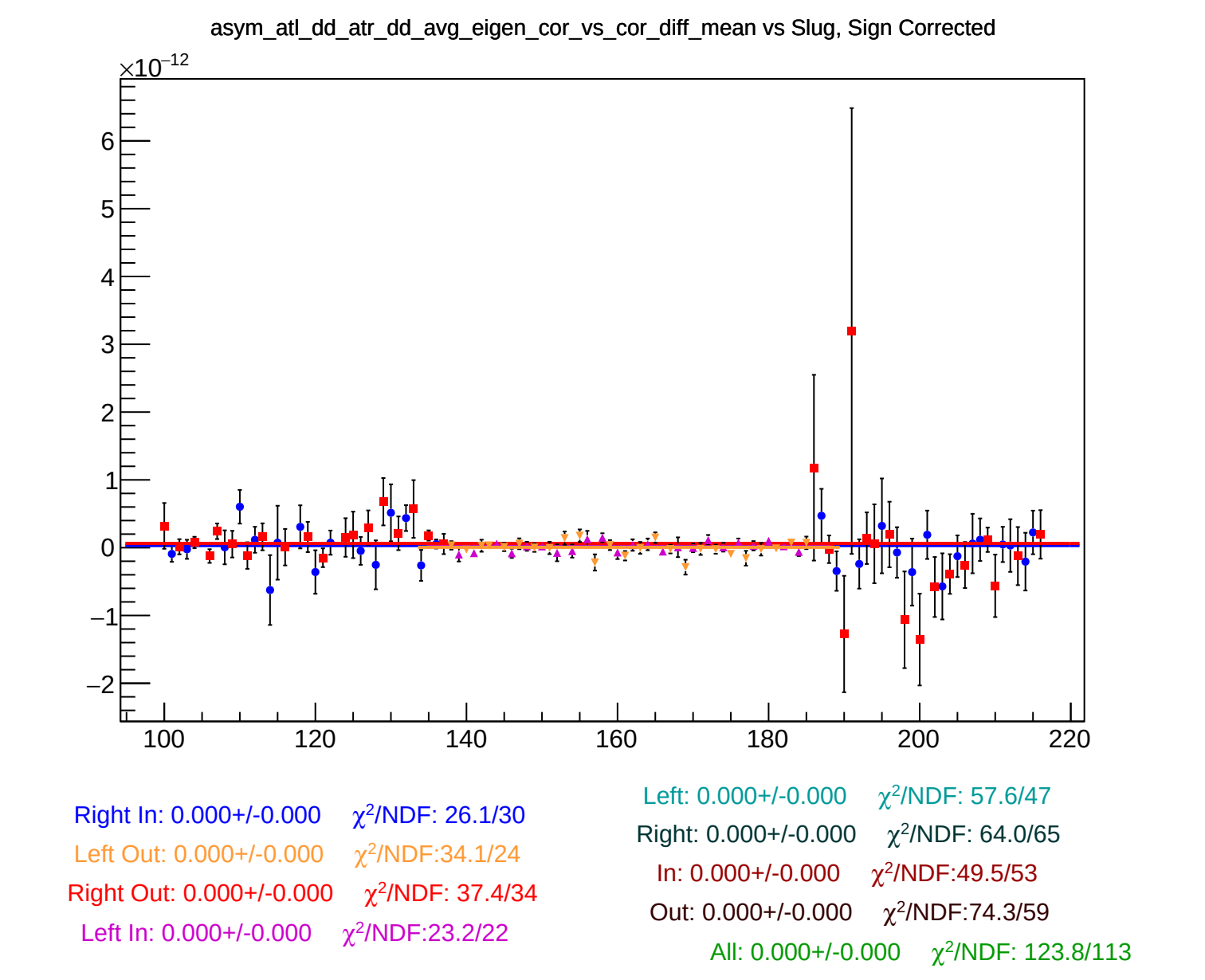
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

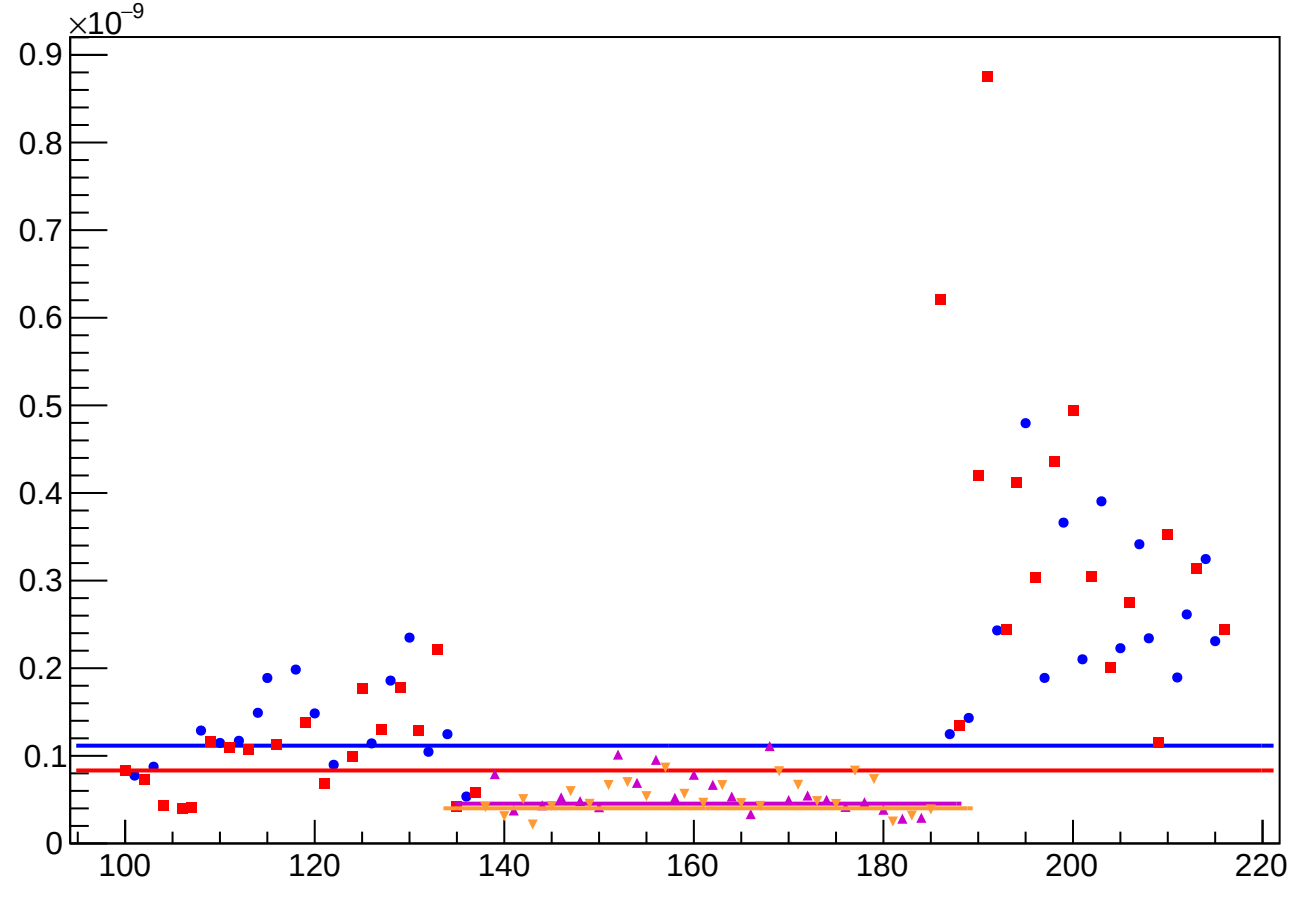
Right: 145.558+/-0.018 χ^2/NDF: 7307611.7/65

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 167.487+/-0.022 χ^2/NDF:16672274.9/59

All: 174.102+/-0.016 χ^2/NDF: 27716879.3/11


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: 37.4/34
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: 64.0/65
In: 0.000+/-0.000 χ²/NDF:49.5/53
Out: 0.000+/-0.000 χ²/NDF:74.3/59
All: 0.000+/-0.000 χ²/NDF: 123.8/113



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: 9399601.0/34

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

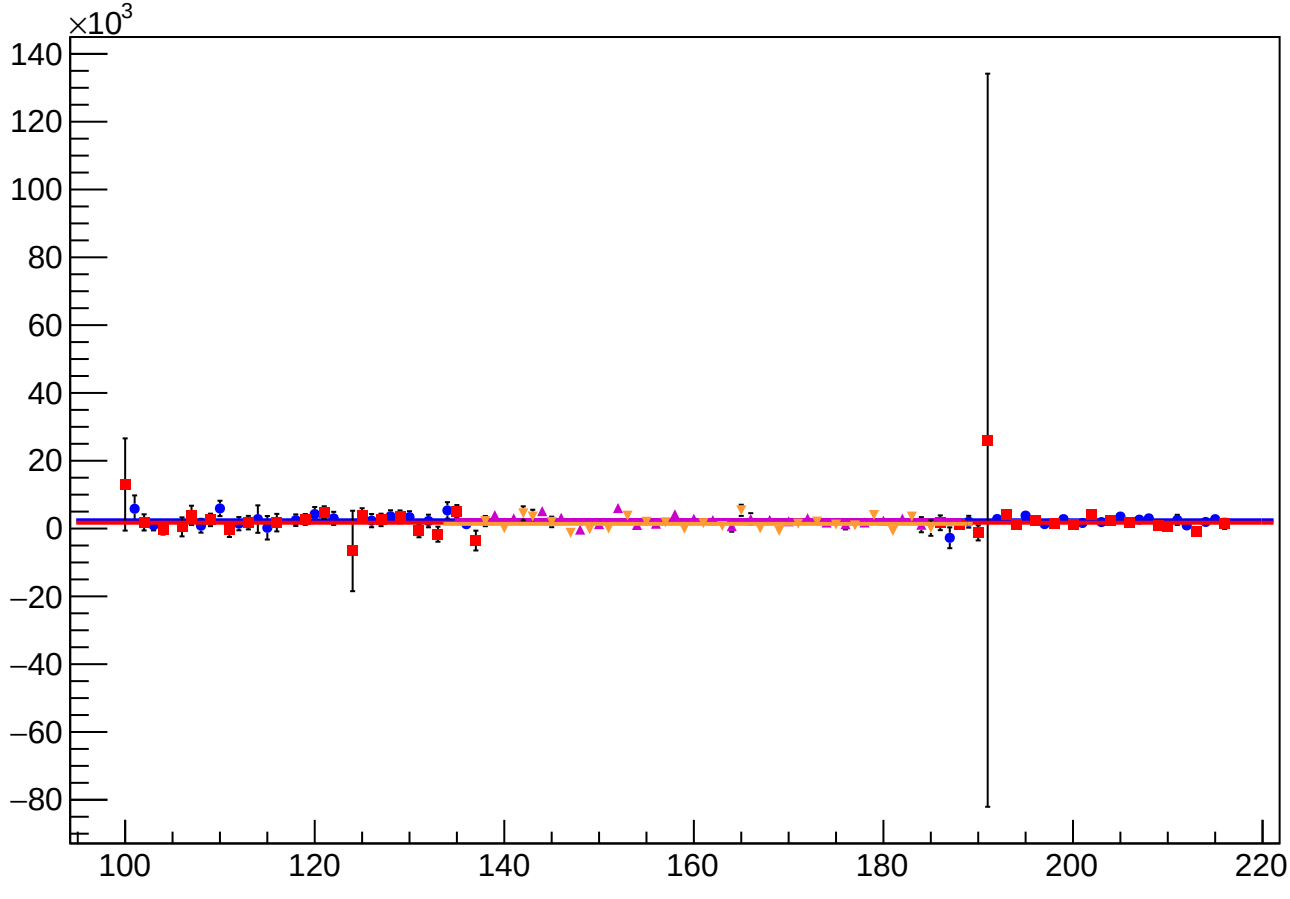
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16928635.0/65

In: 0.000+/-0.000 χ^2/NDF:14838485.8/53

Out: 0.000+/-0.000 χ^2/NDF:16174878.6/59

All: 0.000+/-0.000 χ^2/NDF: 31347011.4/113



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: 1720.866+/-299.207 χ^2/NDF: 33.1/34

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

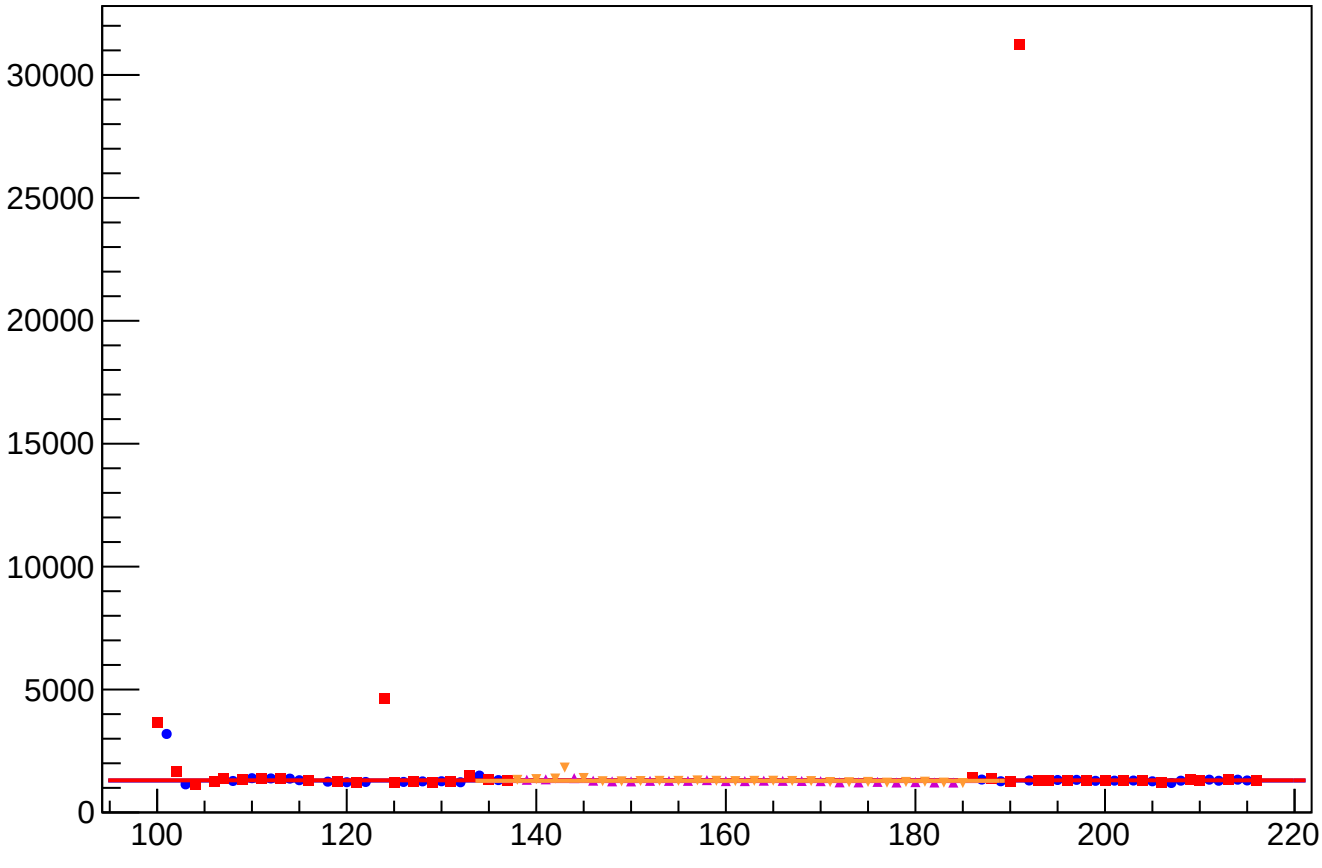
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2082.358+/-211.041 χ^2/NDF: 52.3/65

In: 2479.755+/-210.649 χ^2/NDF:38.8/53

Out: 1548.392+/-209.261 χ^2/NDF:66.7/59

All: 2010.993+/-148.458 χ^2/NDF: 115.3/113



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: 1307.680+/-0.211 χ^2/NDF: 506403.0/34

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

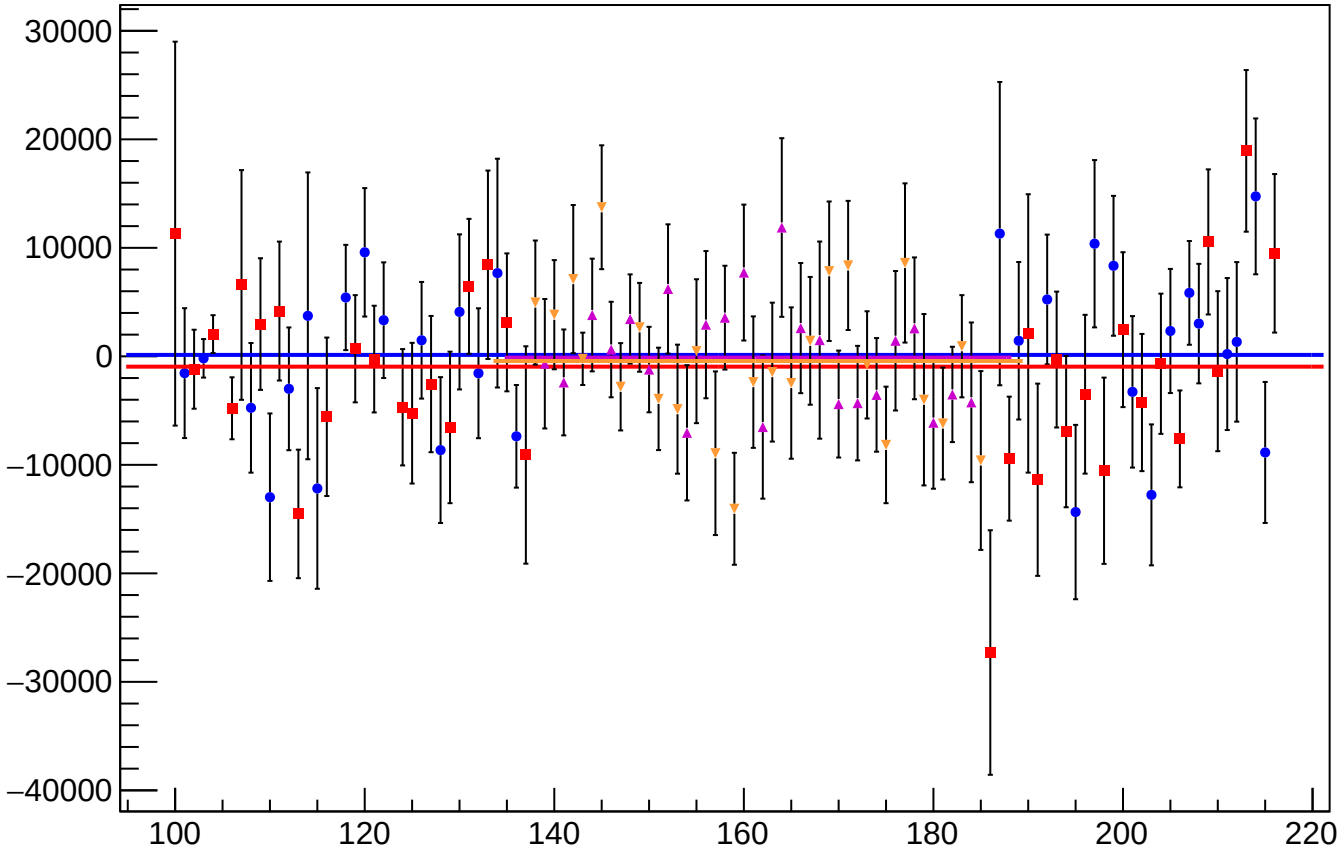
Right: 1302.819+/-0.149 χ^2/NDF: 1042325.3/65

In: 1286.983+/-0.149 χ^2/NDF:581748.8/53

Out: 1296.436+/-0.148 χ^2/NDF:702975.2/59

All: 1291.743+/-0.105 χ^2/NDF: 1286752.5/11

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: -951.254+/-901.805 χ^2/NDF: 44.0/34

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

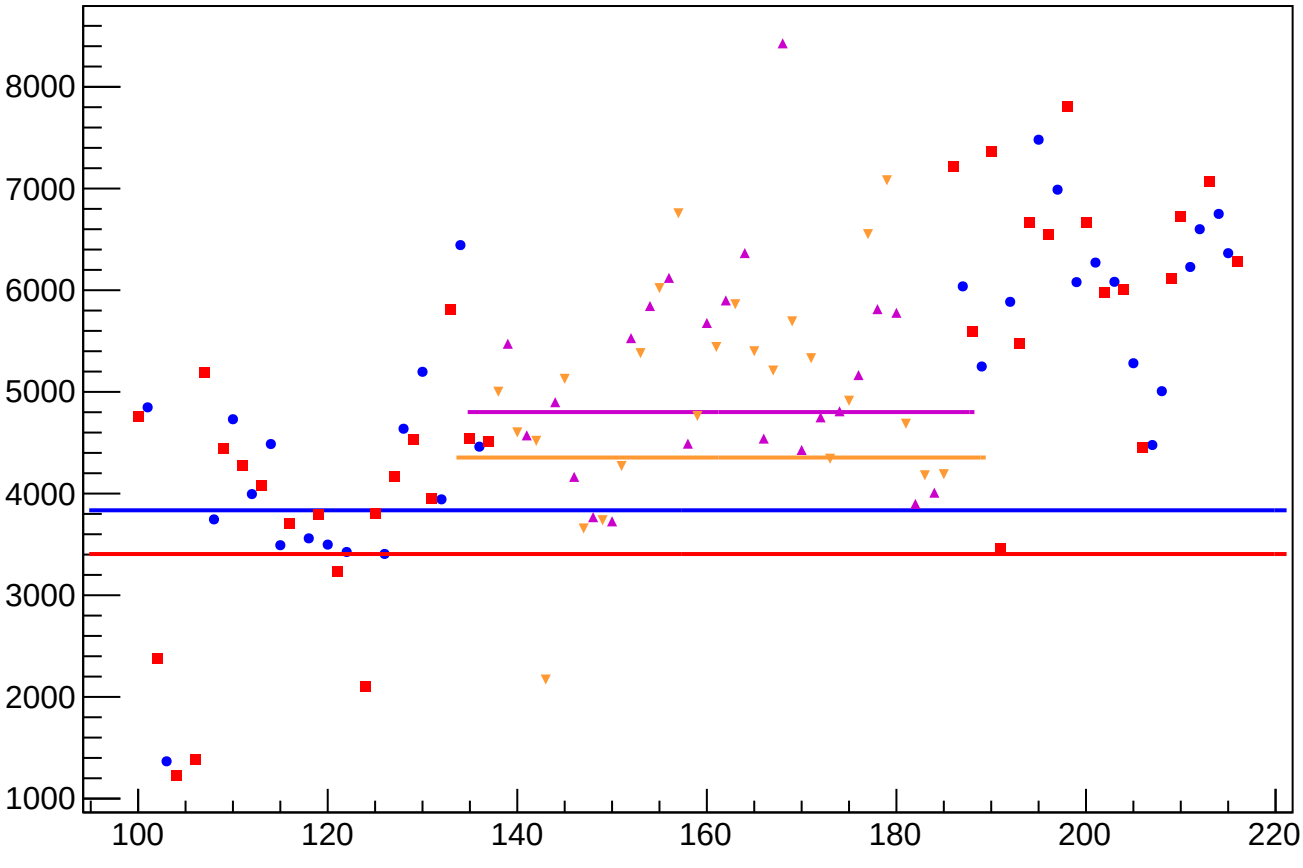
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -453.593+/-663.093 χ^2/NDF: 79.9/65

In: 25.999+/-743.734 χ^2/NDF:48.9/53

Out: -726.422+/-680.779 χ^2/NDF:73.9/59

All: -383.399+/-502.168 χ^2/NDF: 123.4/113



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: 3405.405+/-0.638 χ^2/NDF: 9917134.4/34

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

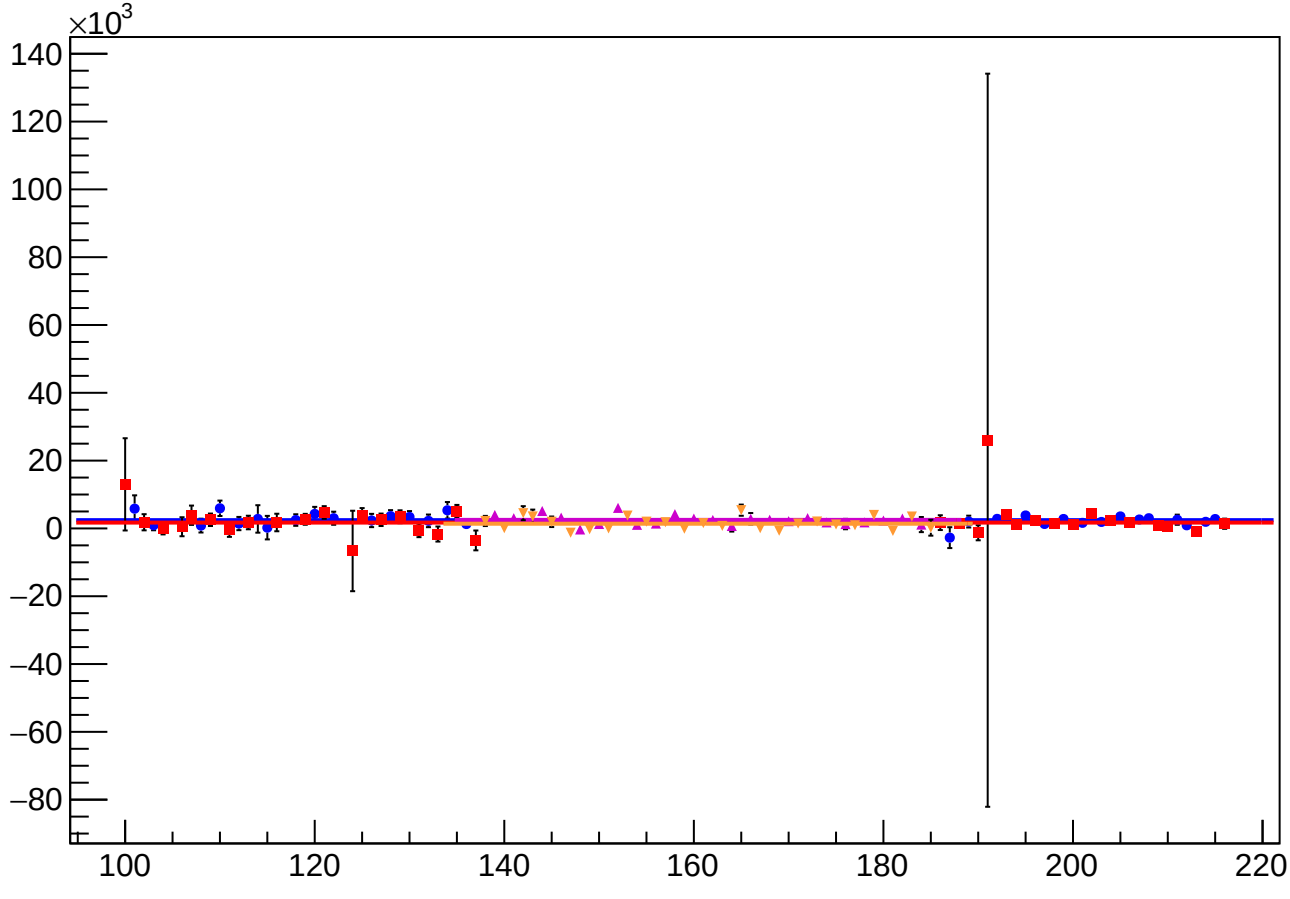
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3602.941+/-0.469 χ^2/NDF: 17619581.3/65

In: 4243.288+/-0.526 χ^2/NDF:9548682.1/53

Out: 3813.637+/-0.481 χ^2/NDF:13941441.8/59

All: 4009.511+/-0.355 χ^2/NDF: 23853295.0/1



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: 1720.787+/-299.207 χ^2/NDF: 33.1/34

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

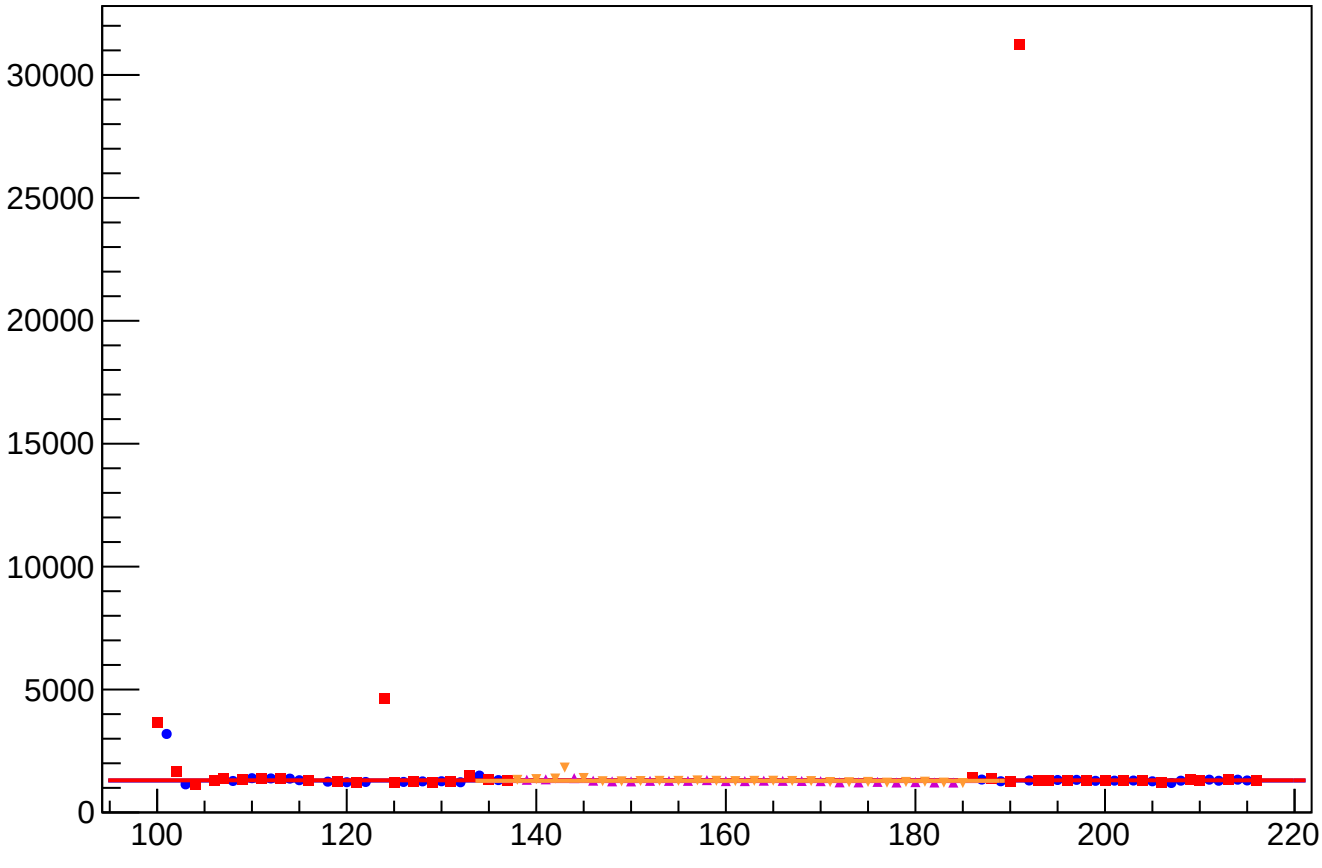
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2082.273+/-211.041 χ^2/NDF: 52.3/65

In: 2479.709+/-210.649 χ^2/NDF:38.8/53

Out: 1548.321+/-209.261 χ^2/NDF:66.7/59

All: 2010.935+/-148.458 χ^2/NDF: 115.3/113



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: 1308.089+/-0.211 χ^2/NDF: 506069.7/34

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

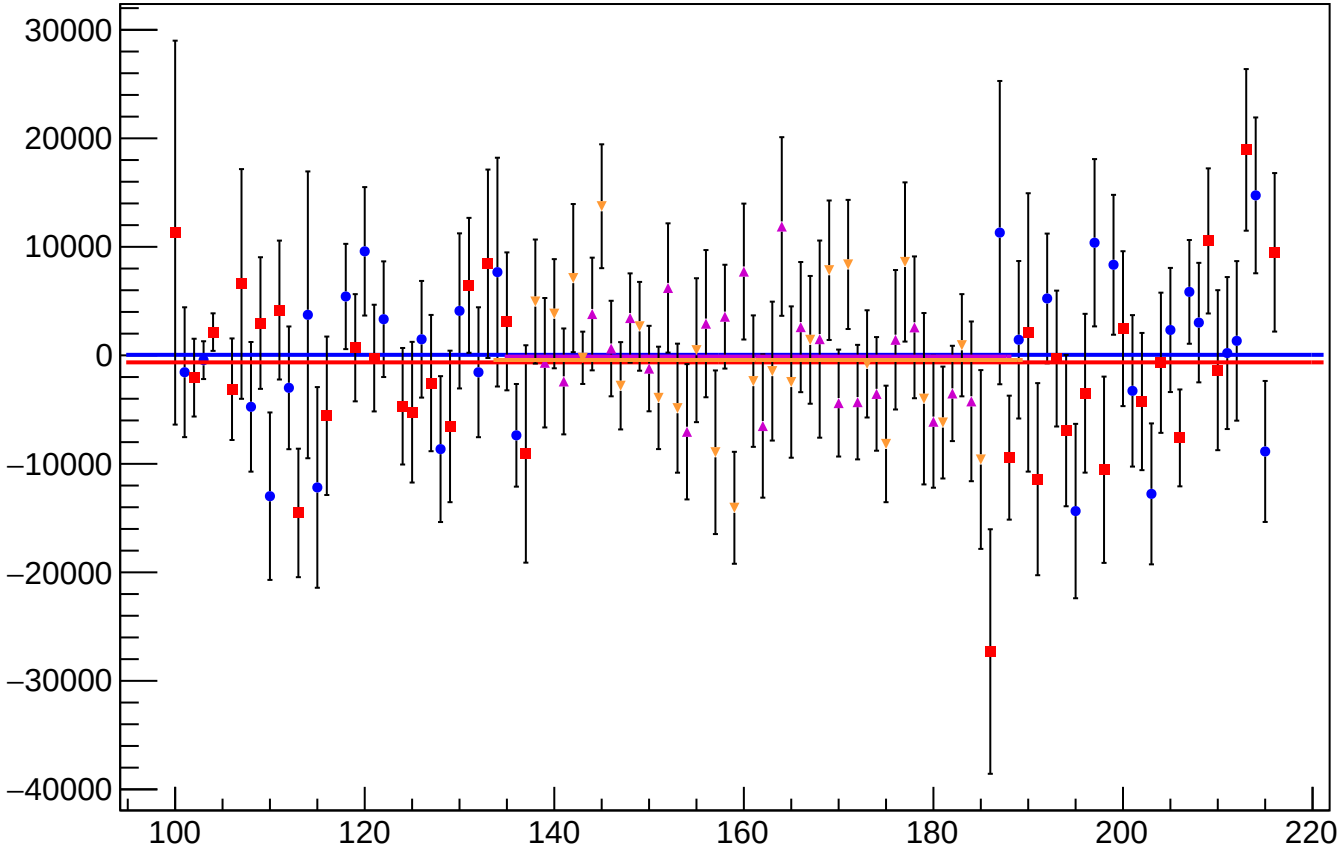
Right: 1303.021+/-0.149 χ^2/NDF: 1042084.1/65

In: 1286.983+/-0.149 χ^2/NDF:581750.3/53

Out: 1296.633+/-0.148 χ^2/NDF:702848.1/59

All: 1291.842+/-0.105 χ^2/NDF: 1286712.0/11

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: -647.151+/-928.043 χ^2/NDF: 42.6/34

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

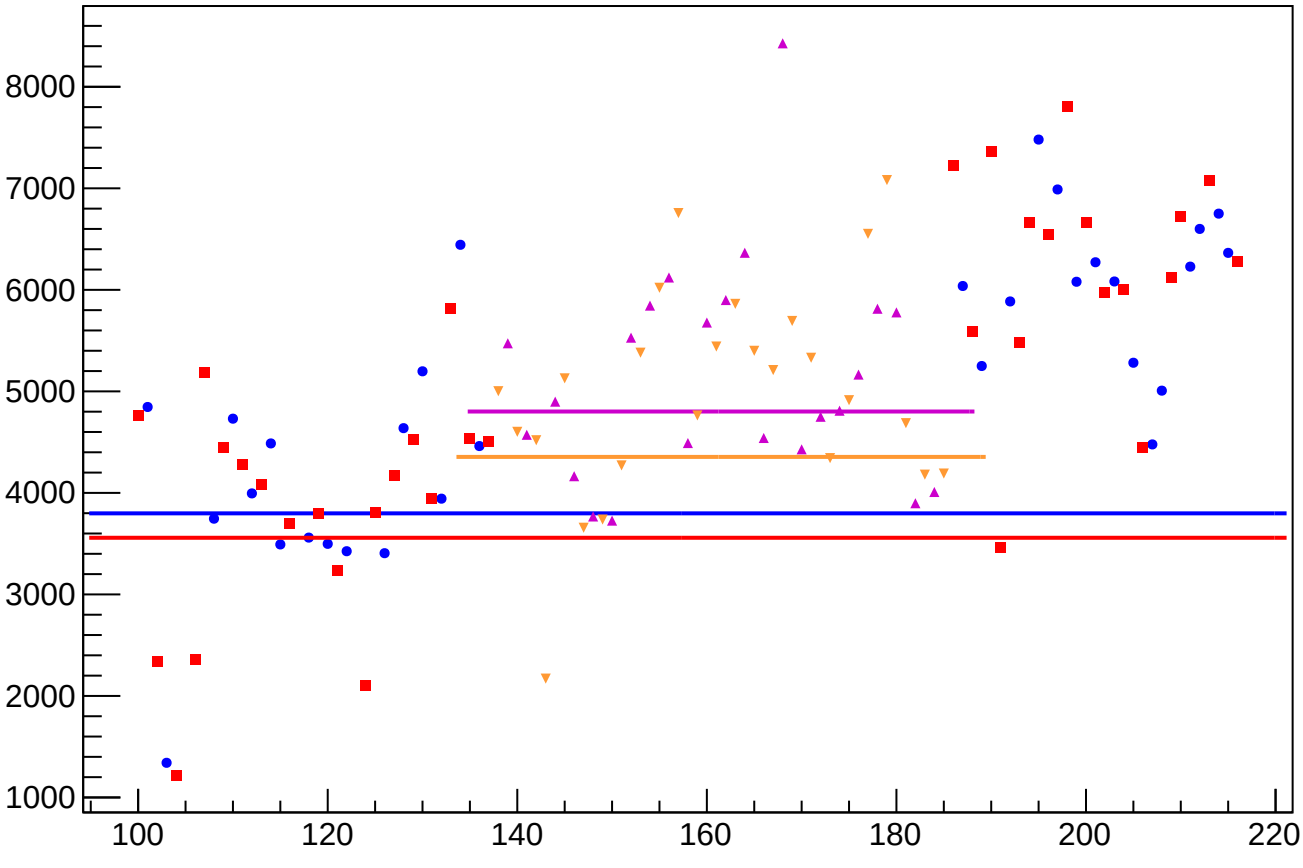
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -316.335+/-671.424 χ^2/NDF: 78.2/65

In: -22.719+/-741.186 χ^2/NDF:48.9/53

Out: -550.031+/-691.856 χ^2/NDF:72.5/59

All: -304.505+/-505.757 χ^2/NDF: 121.7/113



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: 3557.995+/-0.656 χ^2/NDF: 9073007.4/34

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

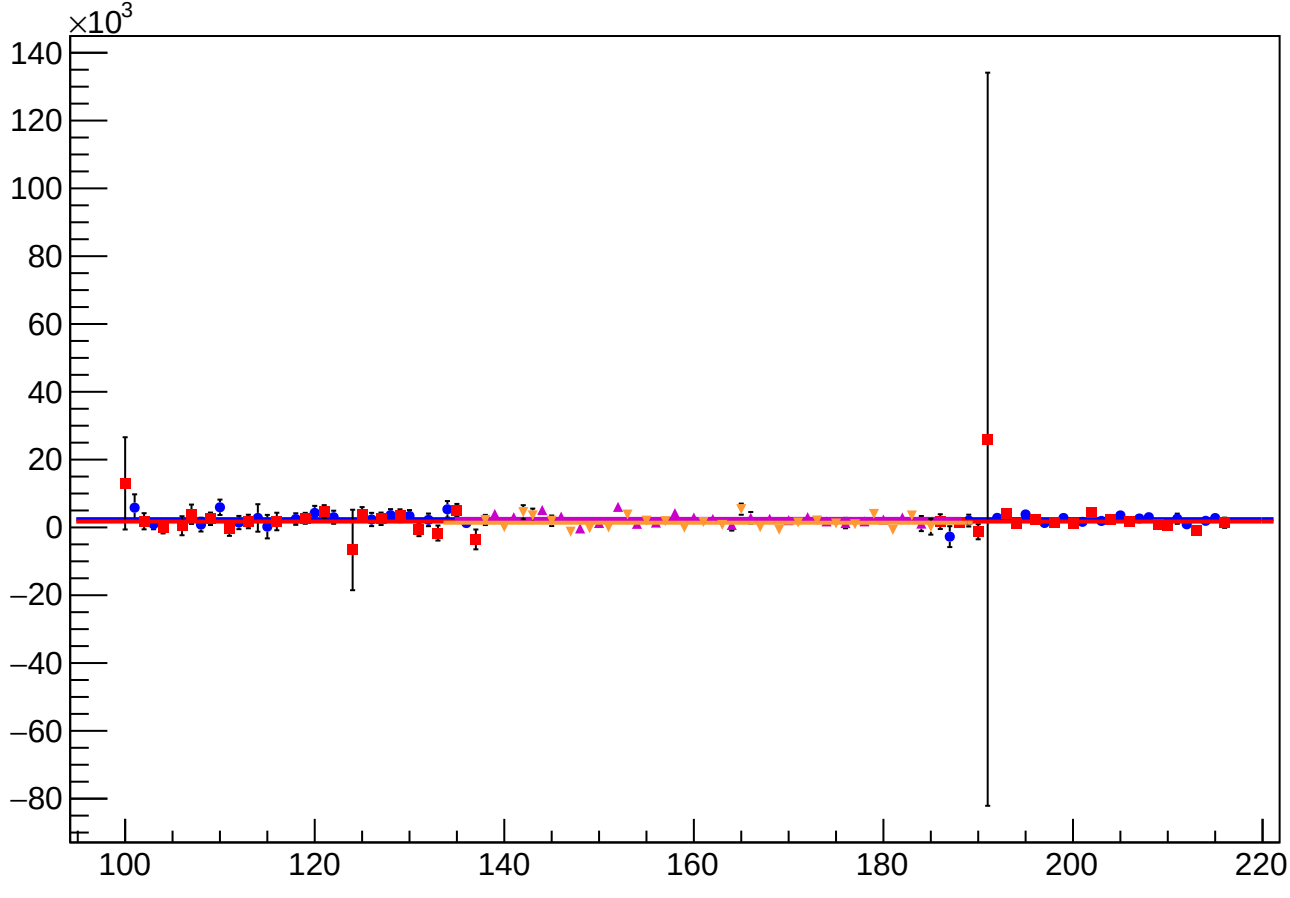
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3672.617+/-0.475 χ^2/NDF: 16861710.6/65

In: 4219.044+/-0.524 χ^2/NDF:9848433.1/53

Out: 3911.830+/-0.489 χ^2/NDF:12799006.9/59

All: 4054.875+/-0.358 χ^2/NDF: 22831055.3/1



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: 1720.787+/-299.207 χ^2/NDF: 33.1/34

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

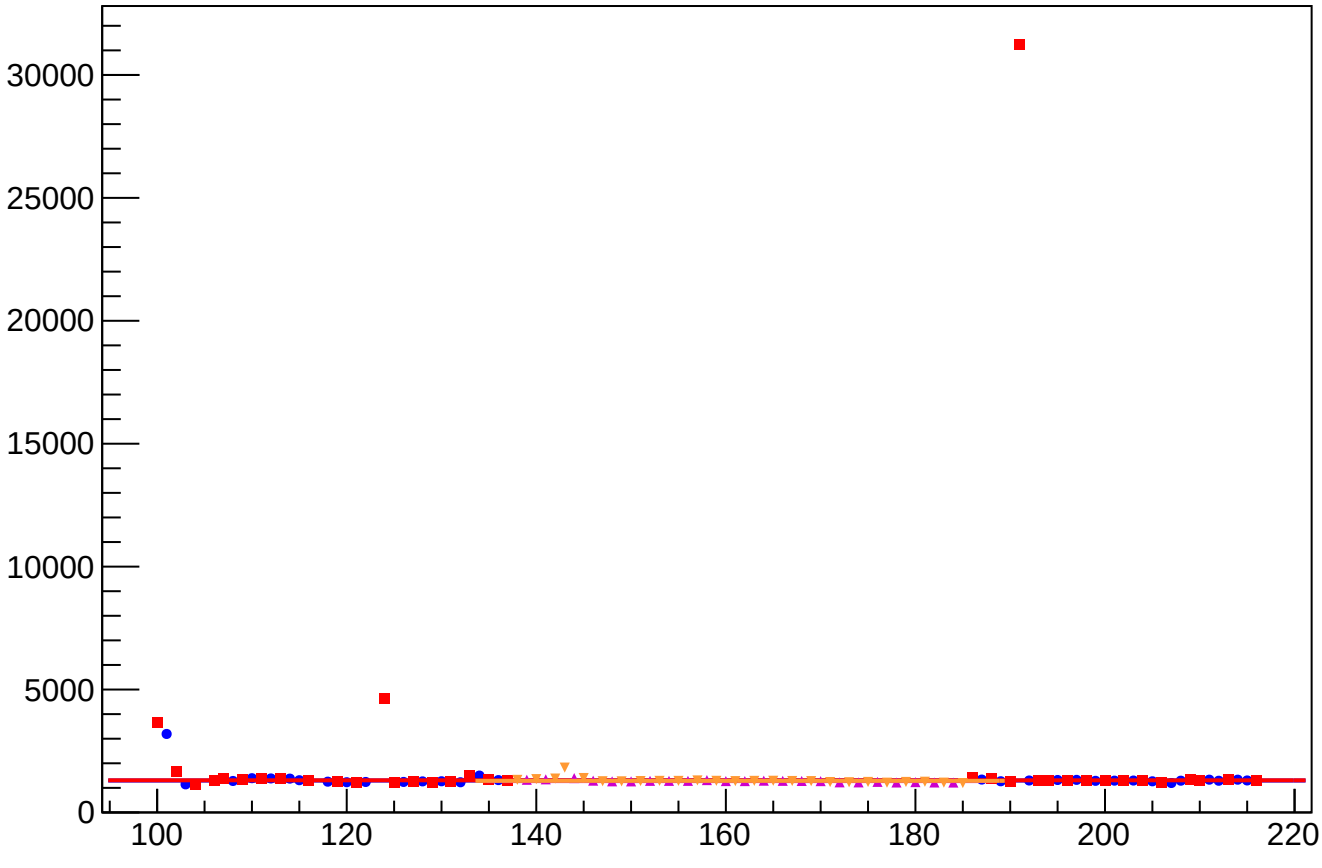
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2082.273+/-211.041 χ^2/NDF: 52.3/65

In: 2479.709+/-210.649 χ^2/NDF:38.8/53

Out: 1548.321+/-209.261 χ^2/NDF:66.7/59

All: 2010.935+/-148.458 χ^2/NDF: 115.3/113



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: 1308.089+/-0.211 χ^2/NDF: 506069.7/34

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

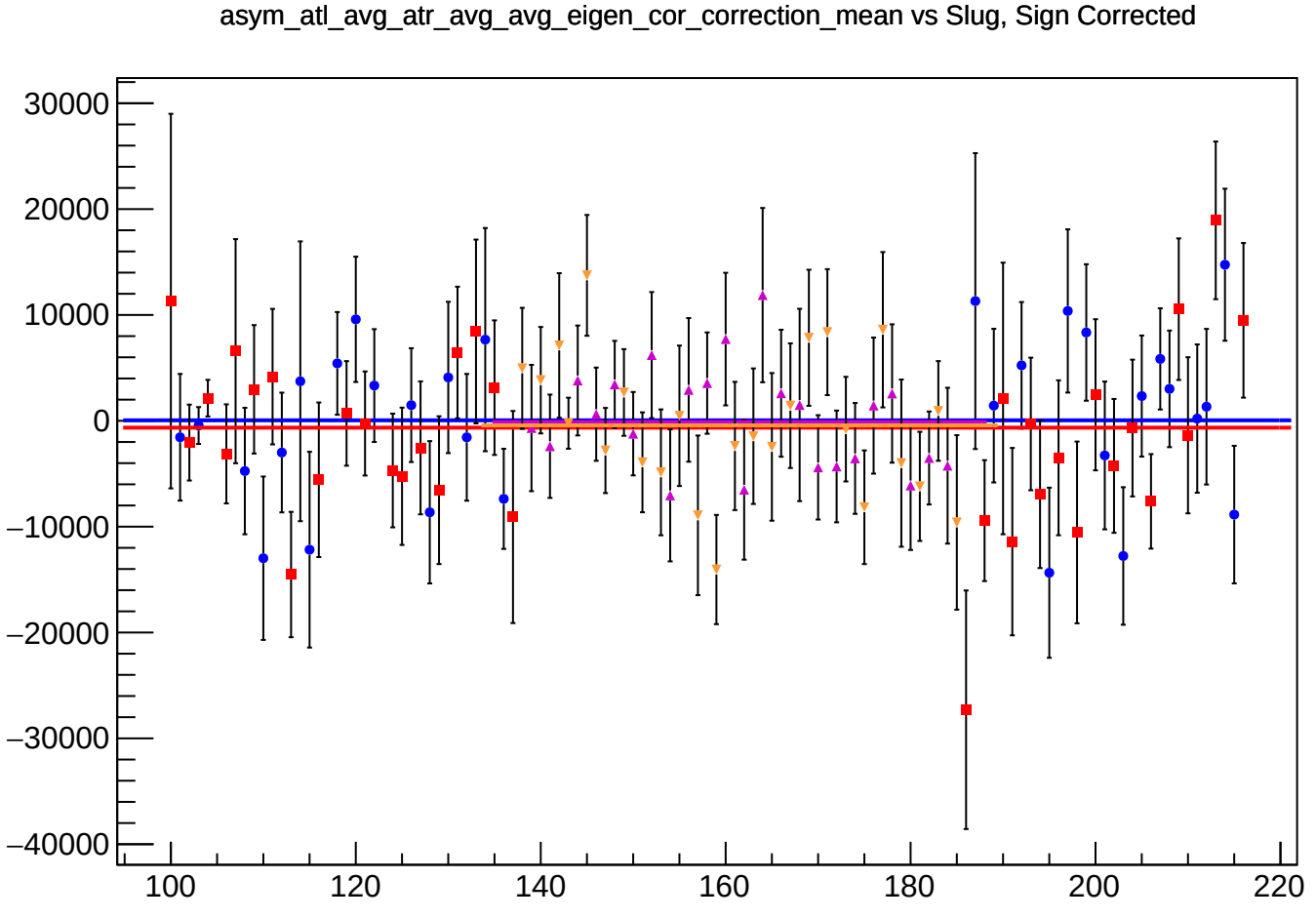
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1303.021+/-0.149 χ^2/NDF: 1042084.1/65

In: 1286.983+/-0.149 χ^2/NDF:581750.3/53

Out: 1296.633+/-0.148 χ^2/NDF:702848.1/59

All: 1291.842+/-0.105 χ^2/NDF: 1286712.0/11



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: -647.151+/-928.043 χ^2/NDF: 42.6/34

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

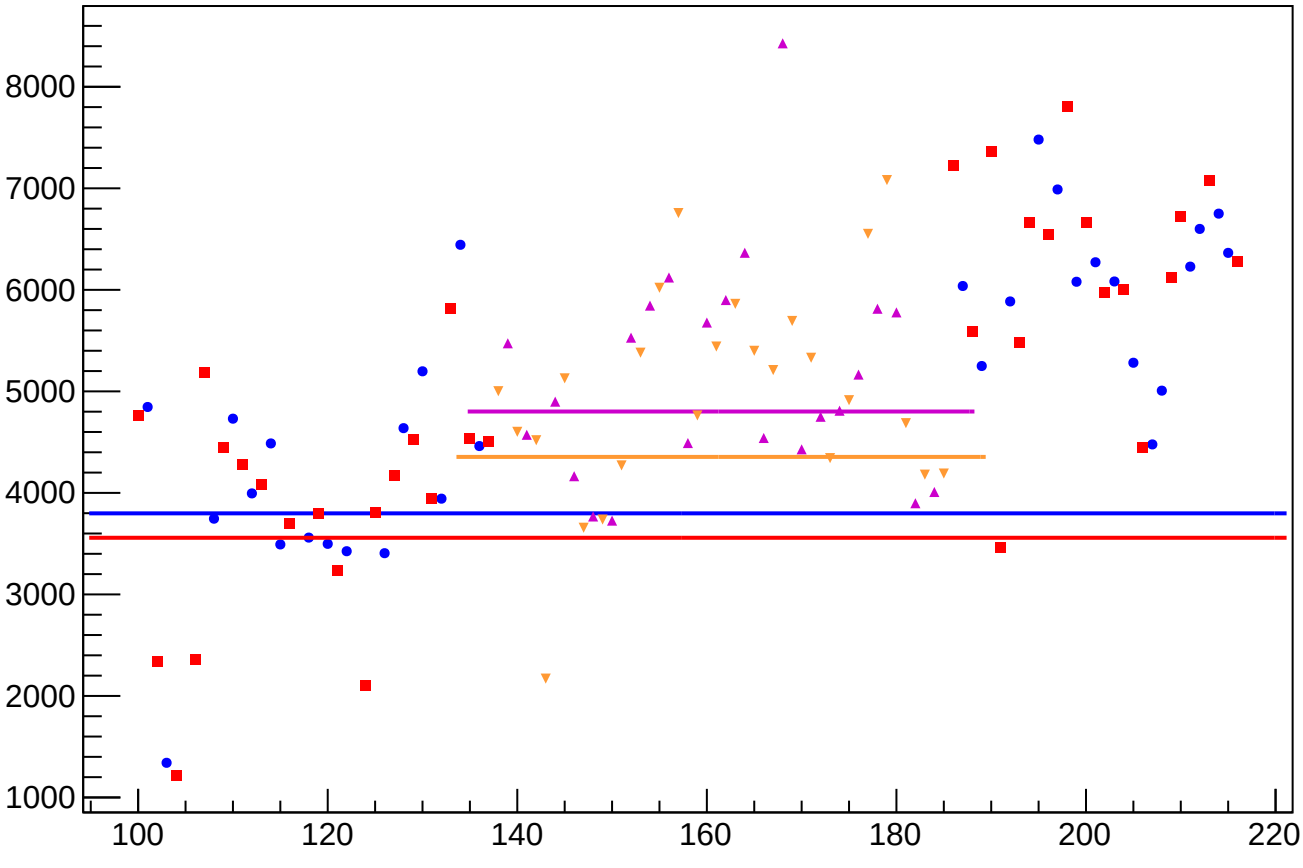
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -316.335+/-671.424 χ^2/NDF: 78.2/65

In: -22.719+/-741.186 χ^2/NDF:48.9/53

Out: -550.031+/-691.856 χ^2/NDF:72.5/59

All: -304.505+/-505.757 χ^2/NDF: 121.7/113



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: 3557.995+/-0.656 χ^2/NDF: 9073007.4/34

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

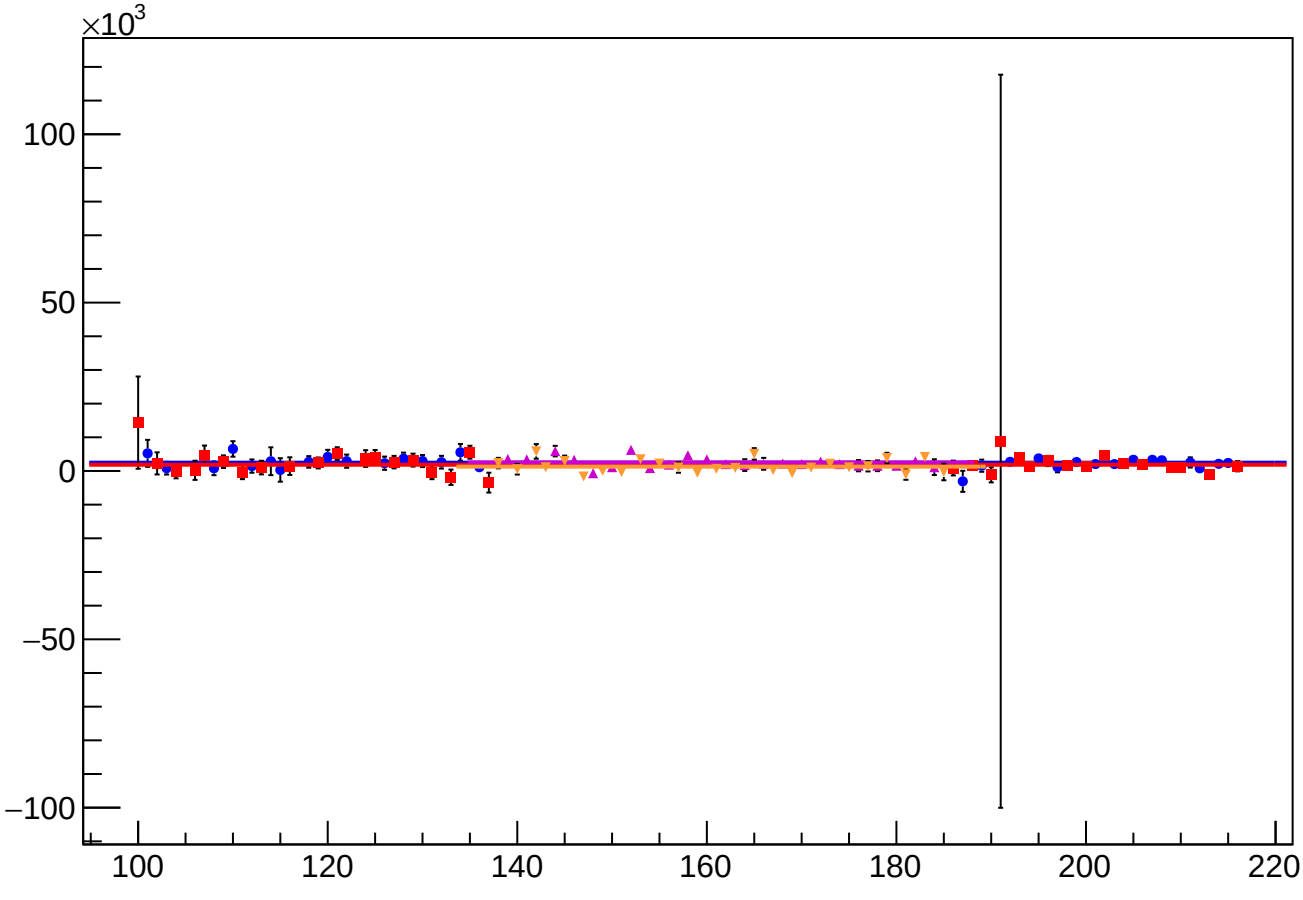
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3672.617+/-0.475 χ^2/NDF: 16861710.6/65

In: 4219.044+/-0.524 χ^2/NDF:9848433.1/53

Out: 3911.830+/-0.489 χ^2/NDF:12799006.9/59

All: 4054.875+/-0.358 χ^2/NDF: 22831055.3/1



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: 1849.809+/-305.346 χ^2/NDF: 34.8/34

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

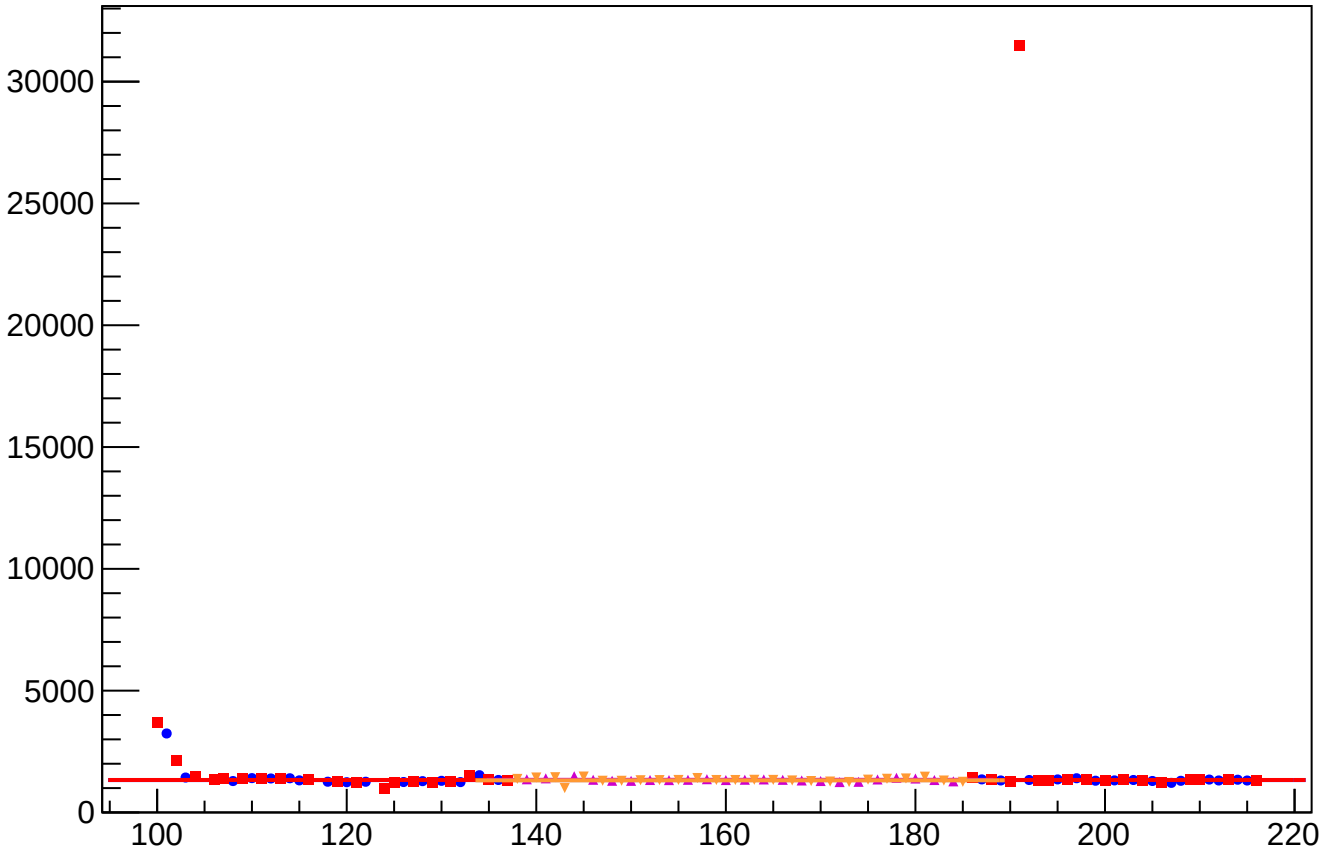
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2155.894+/-215.774 χ^2/NDF: 53.8/65

In: 2495.587+/-218.386 χ^2/NDF:42.0/53

Out: 1562.621+/-214.189 χ^2/NDF:69.9/59

All: 2020.053+/-152.917 χ^2/NDF: 121.3/113



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: 1333.176+/-0.216 χ^2/NDF: 448751.1/34

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

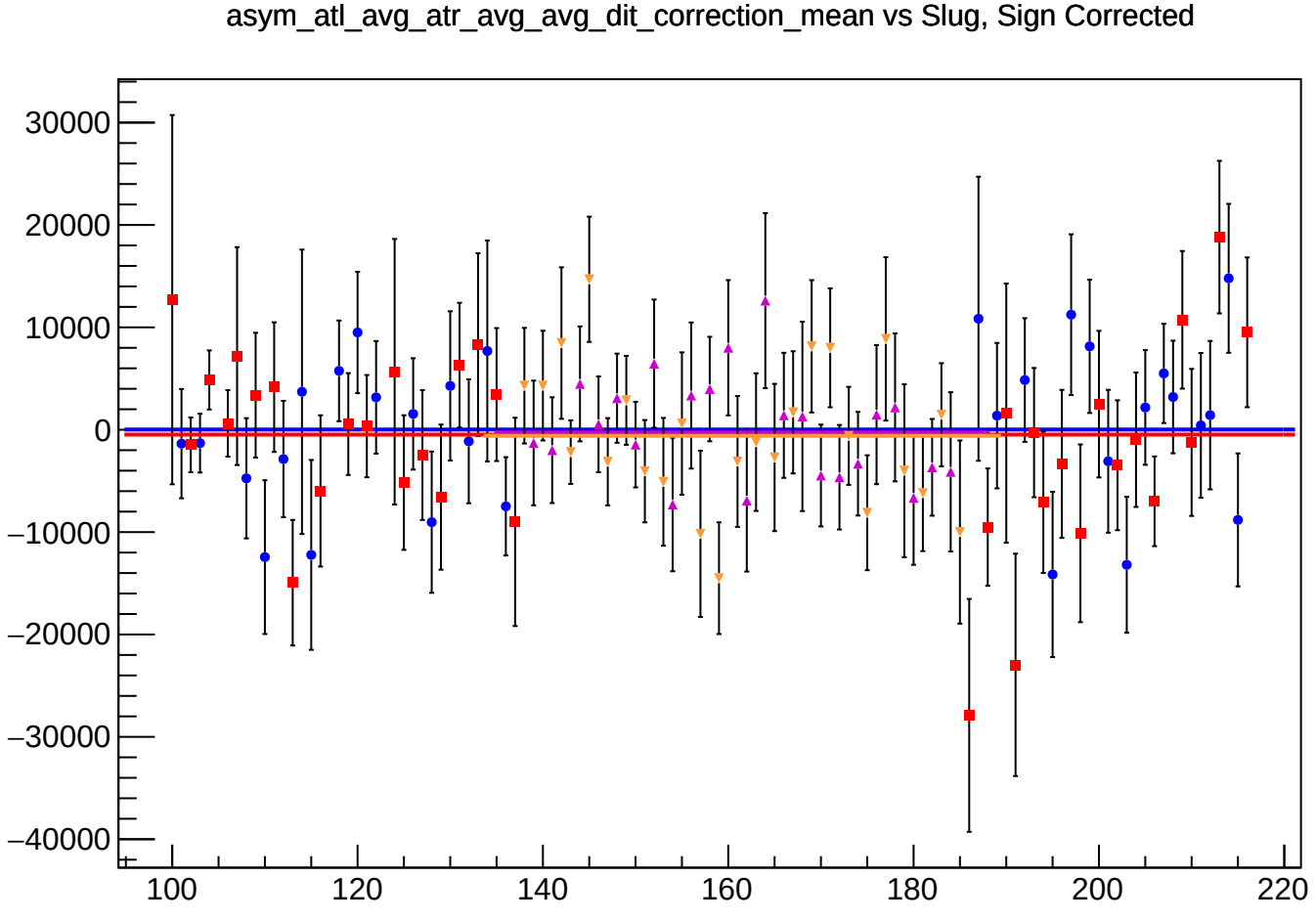
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1331.289+/-0.153 χ^2/NDF: 972313.7/65

In: 1333.886+/-0.154 χ^2/NDF:578544.5/53

Out: 1325.558+/-0.151 χ^2/NDF:699751.5/59

All: 1329.640+/-0.108 χ^2/NDF: 1279778.7/11



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: -475.480+/-989.772 χ^2/NDF: 45.6/34

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

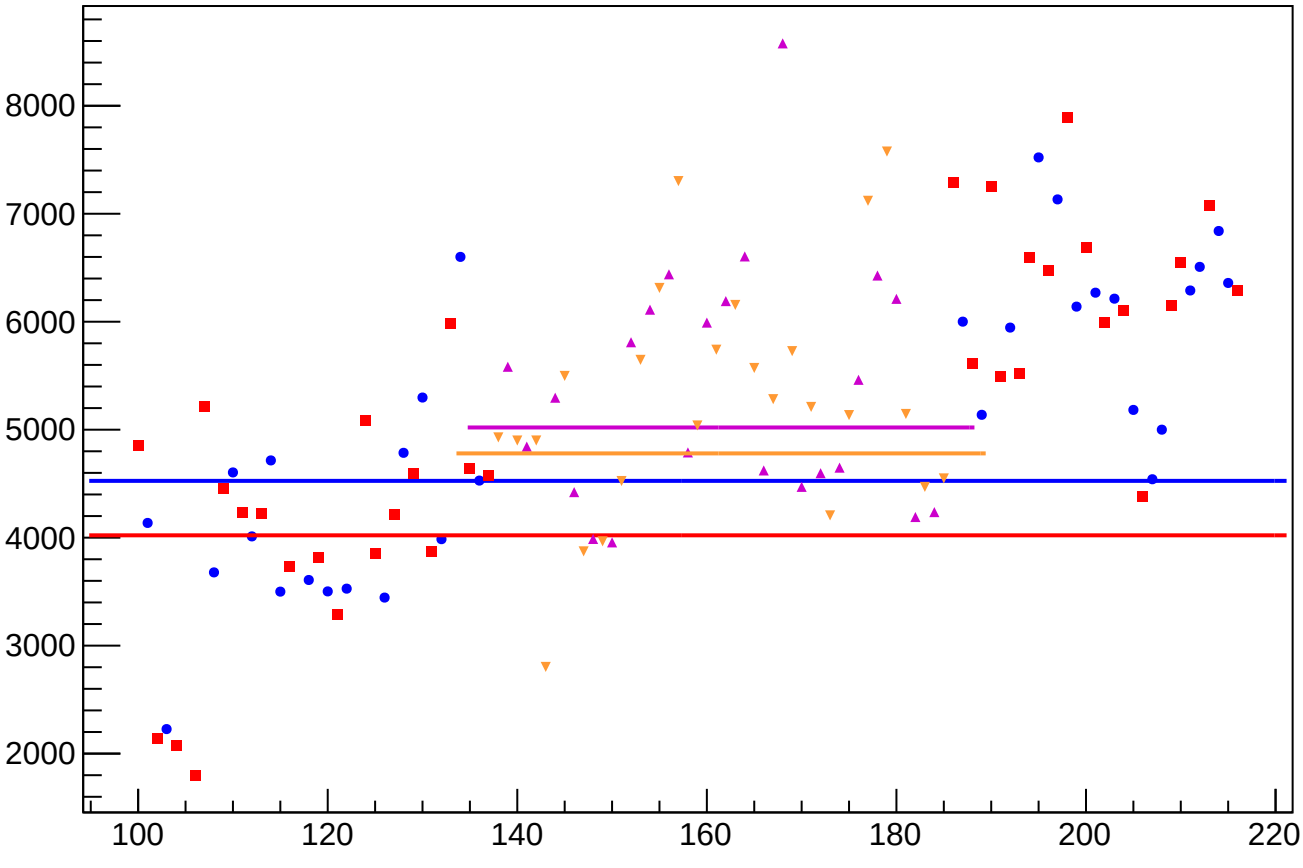
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -251.194+/-731.732 χ^2/NDF: 80.7/65

In: -112.828+/-804.508 χ^2/NDF:48.5/53

Out: -527.734+/-742.326 χ^2/NDF:75.1/59

All: -336.933+/-545.564 χ^2/NDF: 123.7/113



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: 4021.681+/-0.700 χ^2/NDF: 6256454.0/34

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

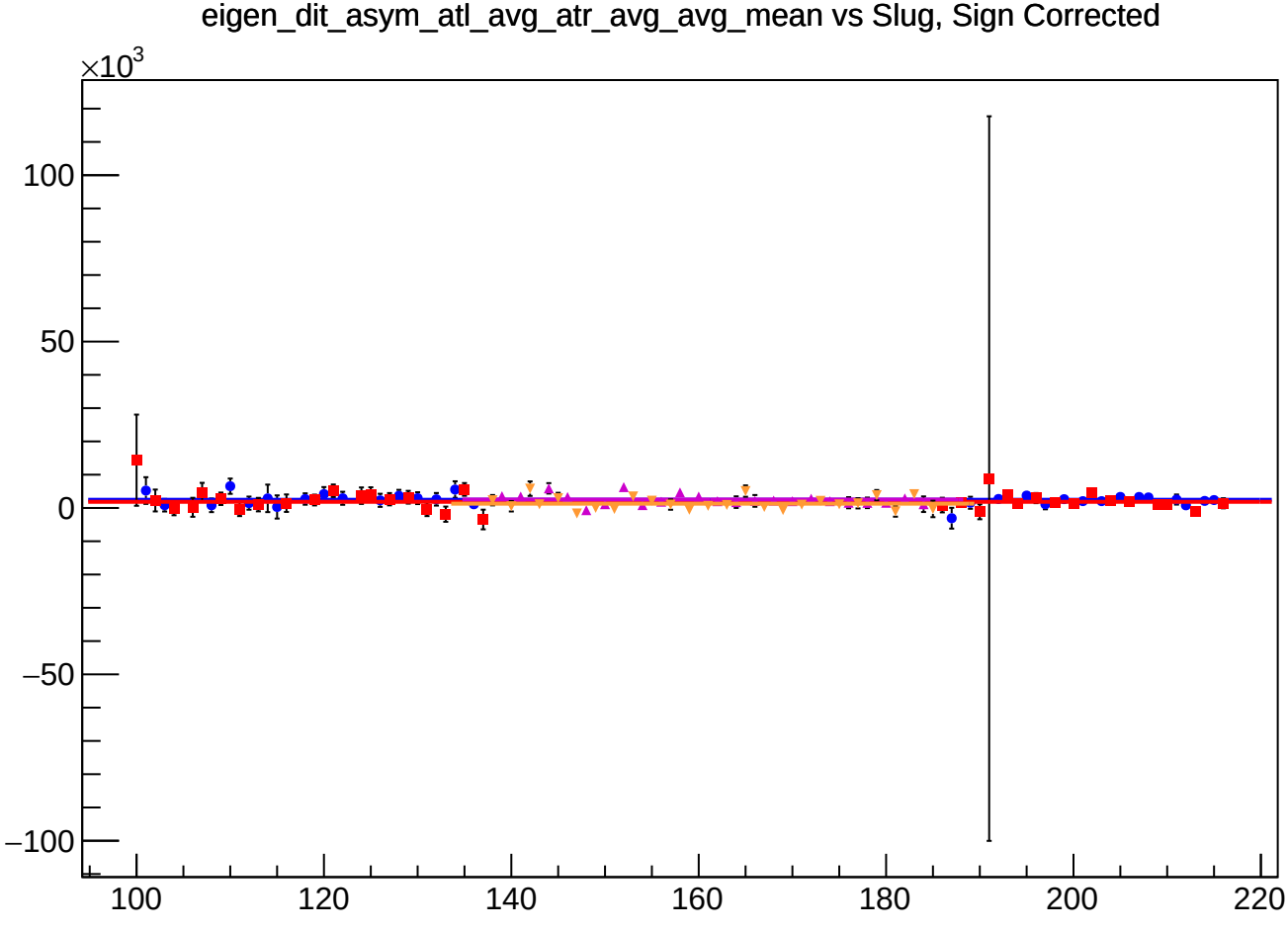
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4250.361+/-0.517 χ^2/NDF: 9957645.7/65

In: 4749.476+/-0.569 χ^2/NDF:4878039.7/53

Out: 4353.622+/-0.525 χ^2/NDF:8776860.2/59

All: 4535.661+/-0.386 χ^2/NDF: 13916441.8/1



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: 1849.807+/-305.346 χ^2/NDF: 34.8/34

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

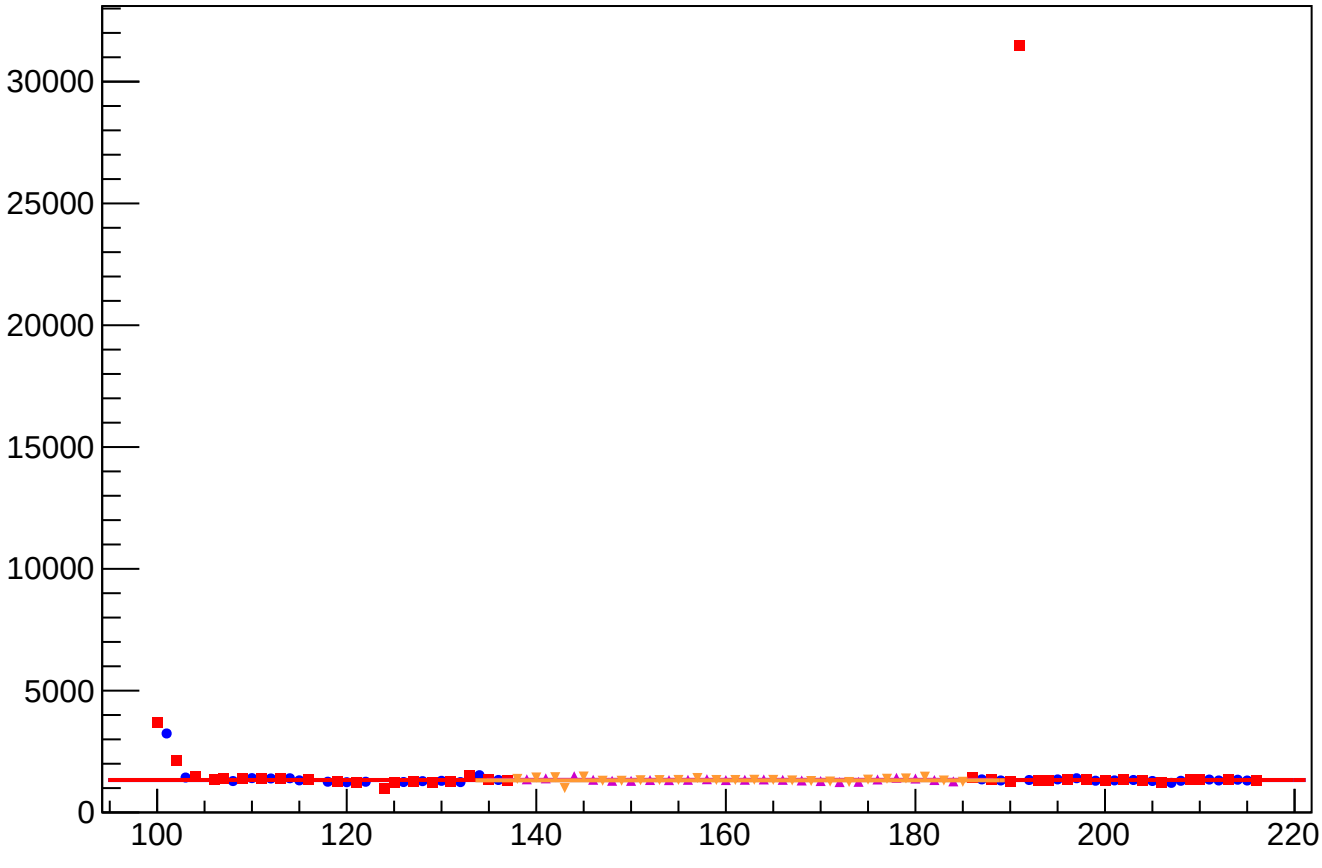
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2155.891+/-215.774 χ^2/NDF: 53.8/65

In: 2495.586+/-218.386 χ^2/NDF:42.0/53

Out: 1562.618+/-214.189 χ^2/NDF:69.9/59

All: 2020.050+/-152.917 χ^2/NDF: 121.3/113



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: 1333.176+/-0.216 χ^2/NDF: 448750.1/34

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

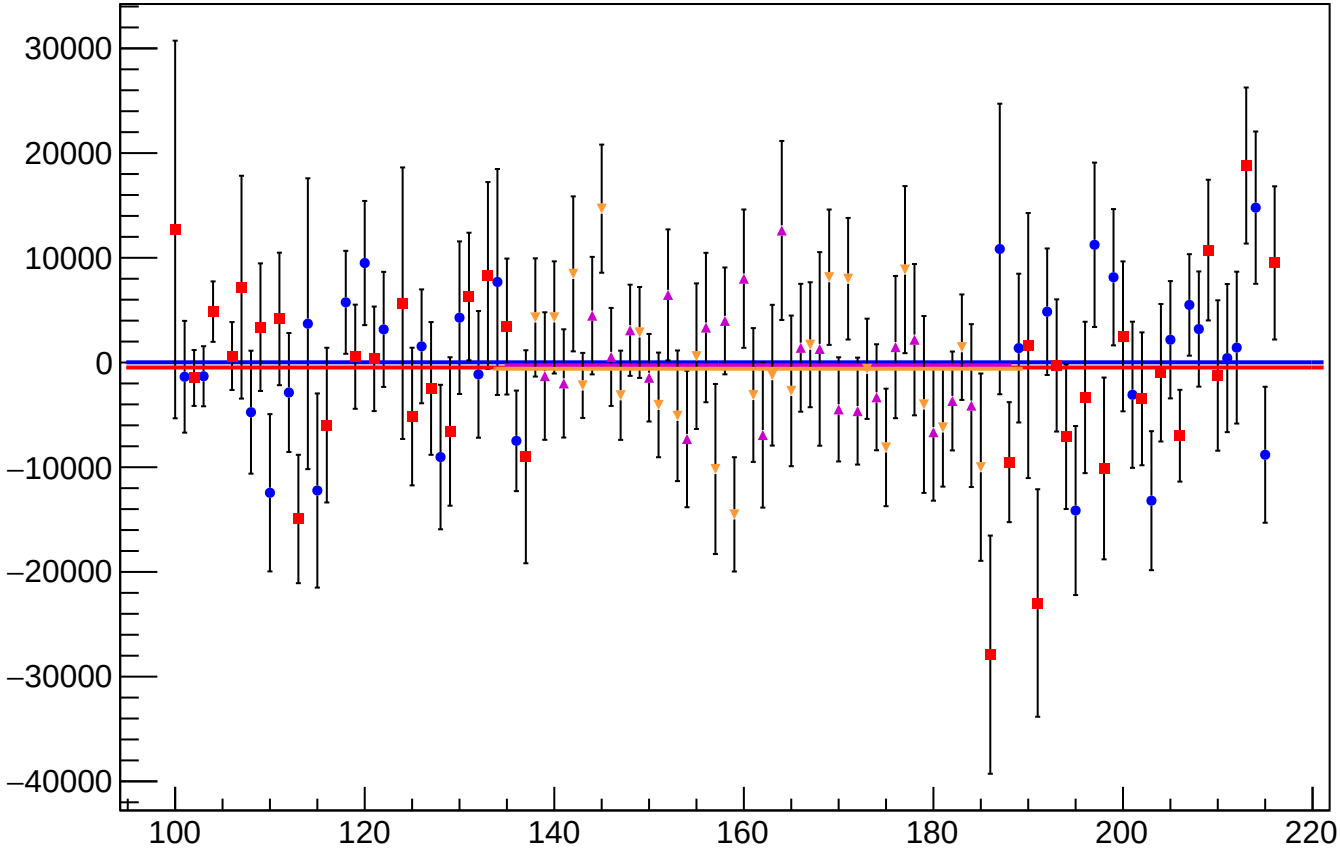
Right: 1331.289+/-0.153 χ^2/NDF: 972312.8/65

In: 1333.887+/-0.154 χ^2/NDF:578547.5/53

Out: 1325.558+/-0.151 χ^2/NDF:699752.5/59

All: 1329.641+/-0.108 χ^2/NDF: 1279782.7/11

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 19.148+/-1086.649 χ^2/NDF: 35.0/30

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -475.476+/-989.770 χ^2/NDF: 45.6/34

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

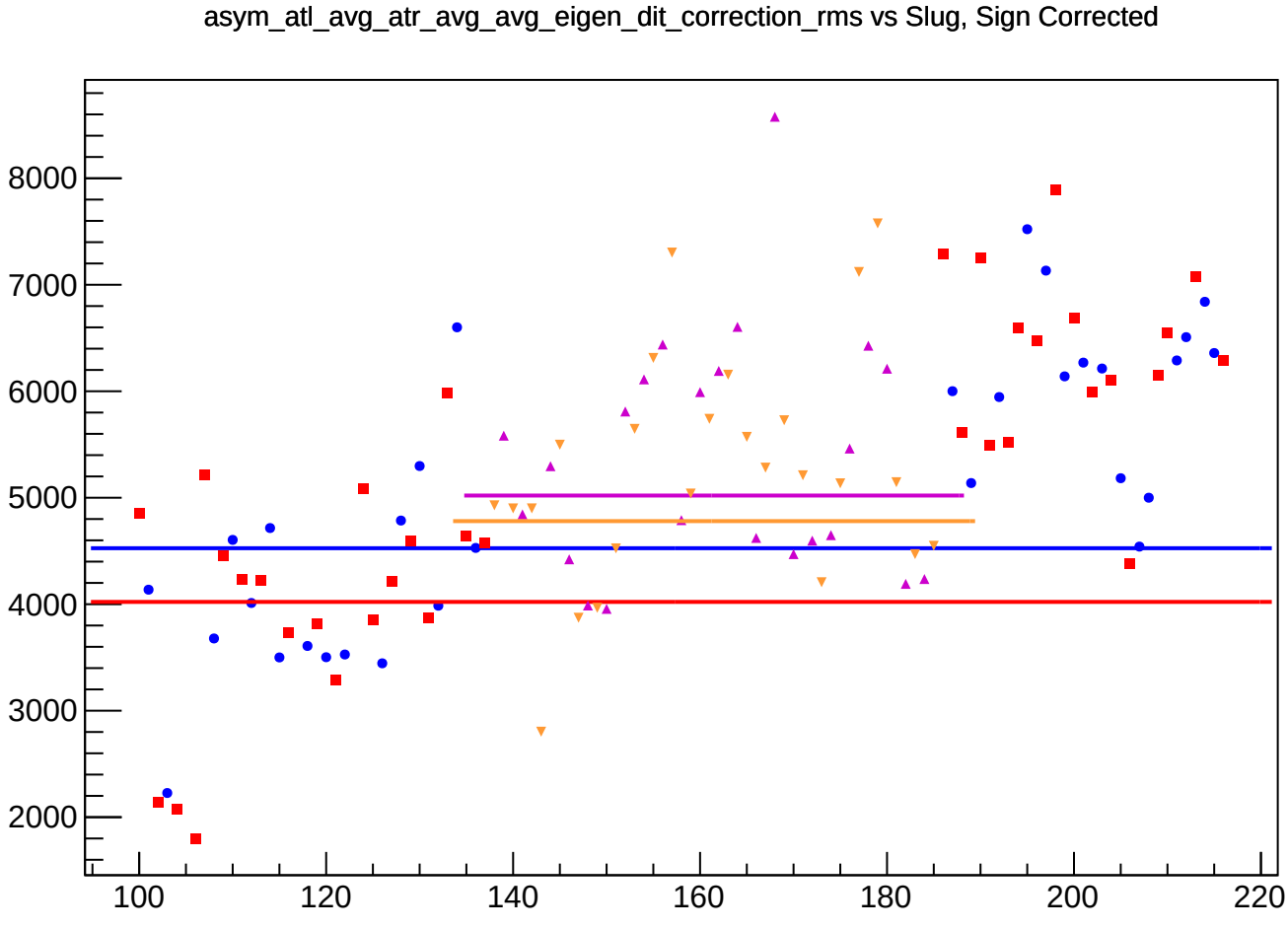
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

Right: -251.191+/-731.731 χ^2/NDF: 80.7/65

In: -112.827+/-804.509 χ^2/NDF:48.5/53

Out: -527.733+/-742.326 χ^2/NDF:75.1/59

All: -336.932+/-545.564 χ^2/NDF: 123.7/113



Right In: 4525.991+/-0.768 χ^2/NDF: 3465783.5/30

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 4021.673+/-0.700 χ^2/NDF: 6256499.4/34

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

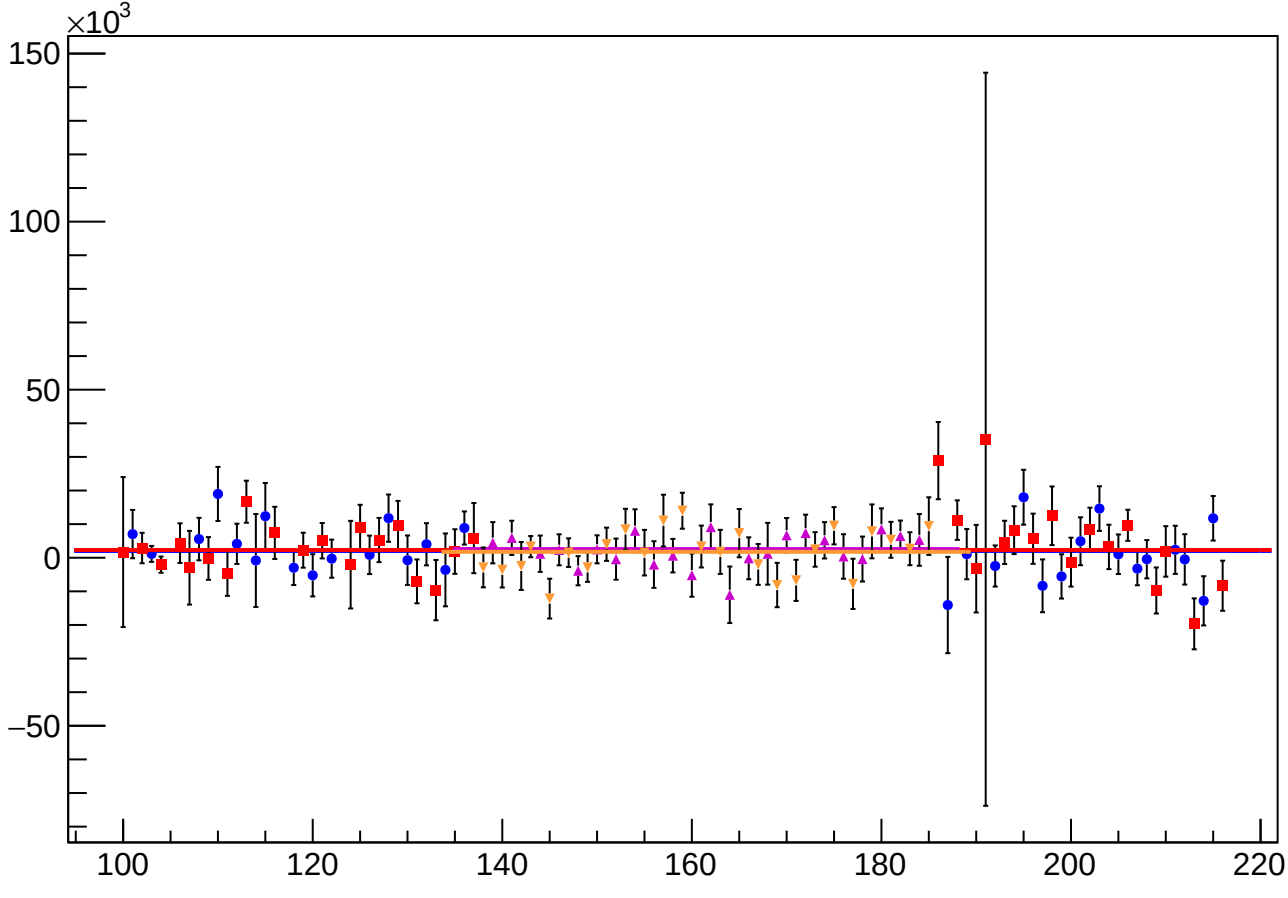
Right: 4250.354+/-0.517 χ^2/NDF: 9957731.4/65

In: 4749.476+/-0.569 χ^2/NDF:4878090.2/53

Out: 4353.619+/-0.525 χ^2/NDF:8776928.4/59

All: 4535.660+/-0.386 χ^2/NDF: 13916563.2/1

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: 2309.166+/-1076.057 χ^2/NDF: 44.6/34

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

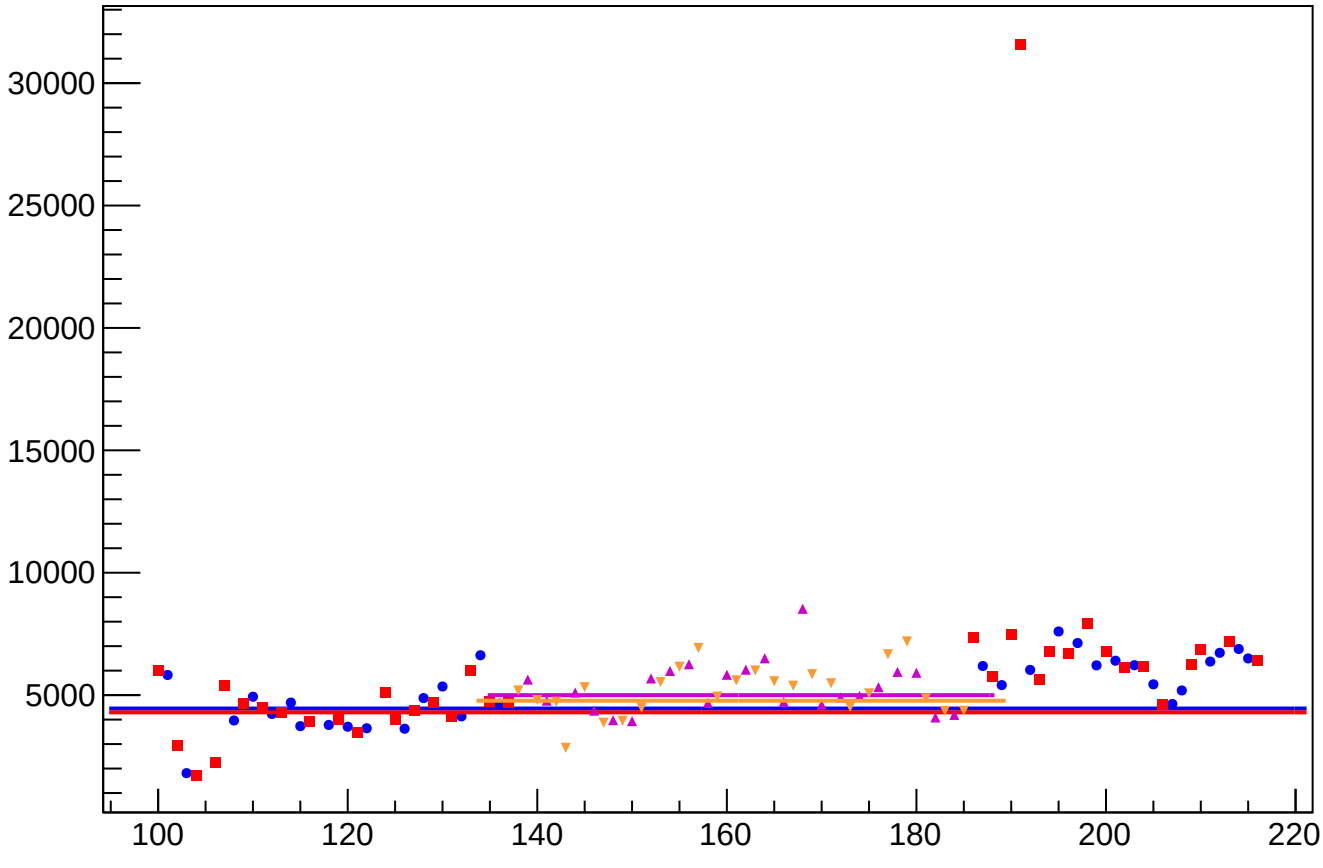
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2170.133+/-765.438 χ^2/NDF: 78.3/65

In: 2279.785+/-802.918 χ^2/NDF:47.0/53

Out: 2045.454+/-774.701 χ^2/NDF:72.4/59

All: 2158.430+/-557.505 χ^2/NDF: 119.5/113



Right In: 4451.231+/-0.770 χ^2/NDF: 4826411.0/30

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 4295.345+/-0.754 χ^2/NDF: 5868803.5/34

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

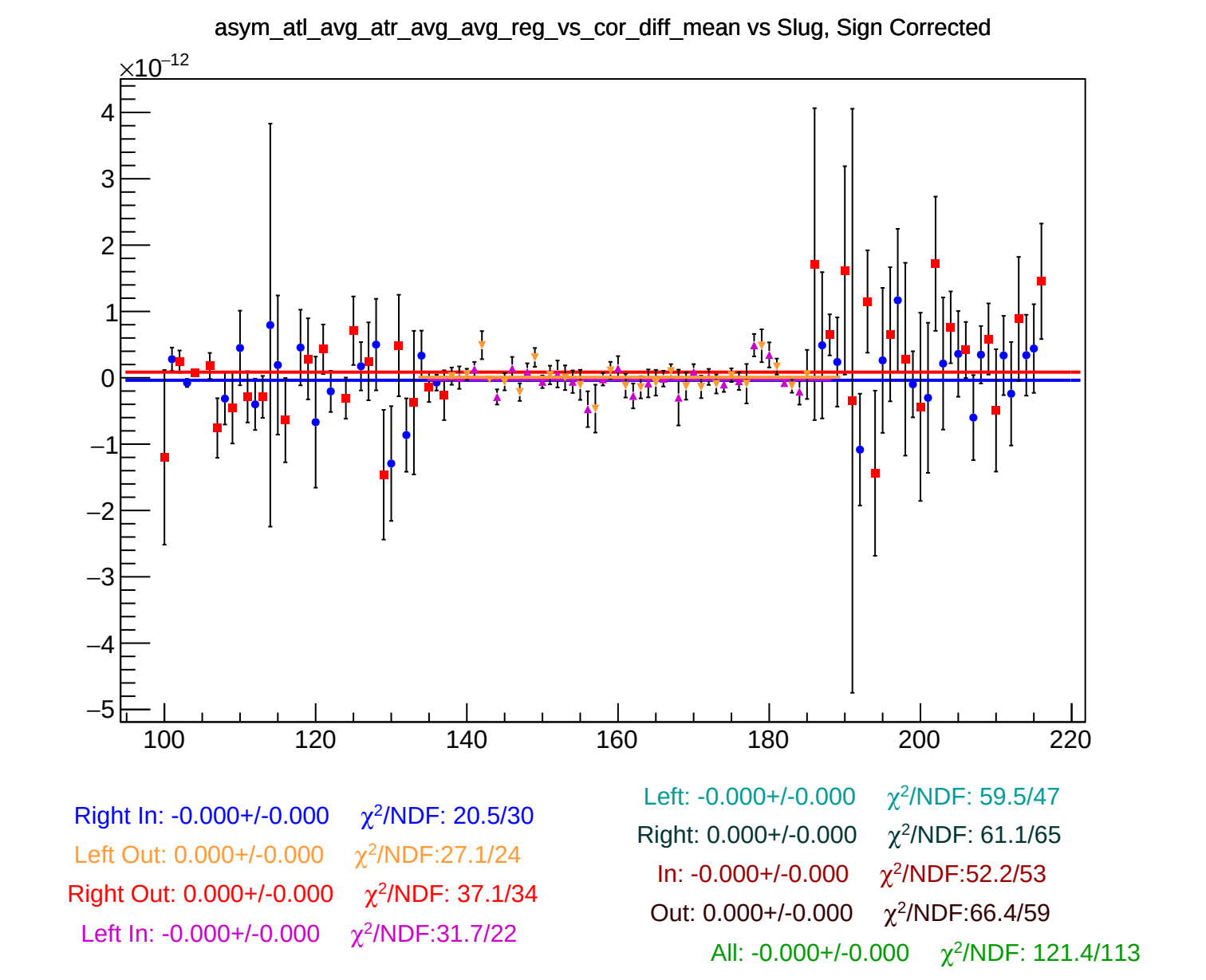
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

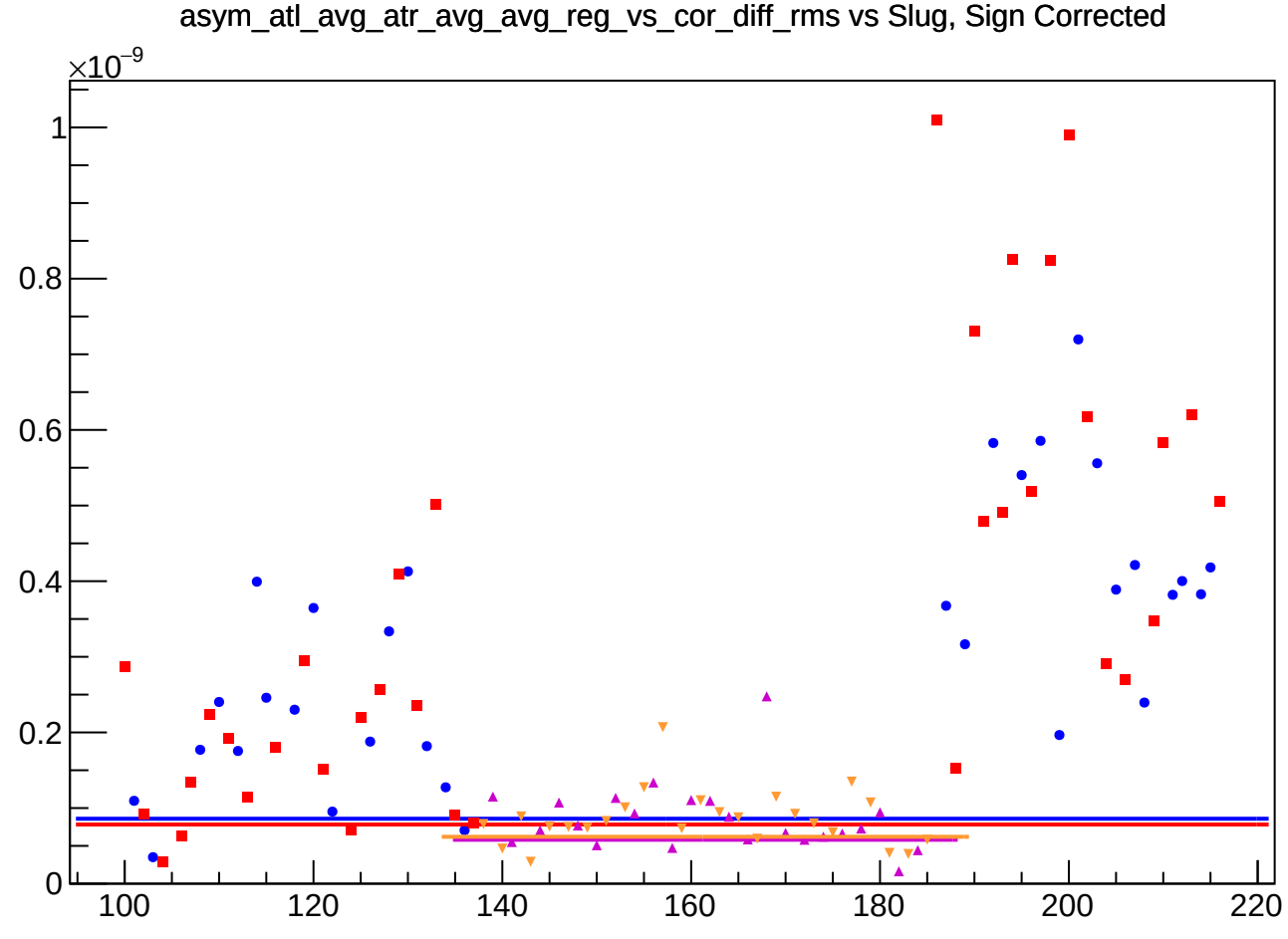
Right: 4371.655+/-0.539 χ^2/NDF: 10716133.0/65

In: 4700.211+/-0.568 χ^2/NDF:6151318.4/53

Out: 4522.418+/-0.545 χ^2/NDF:7845890.3/59

All: 4607.722+/-0.393 χ^2/NDF: 14048223.7/1


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: 37.1/34
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: 61.1/65
In: -0.000+/-0.000 χ²/NDF:52.2/53
Out: 0.000+/-0.000 χ²/NDF:66.4/59
All: -0.000+/-0.000 χ²/NDF: 121.4/113



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: 10566882.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

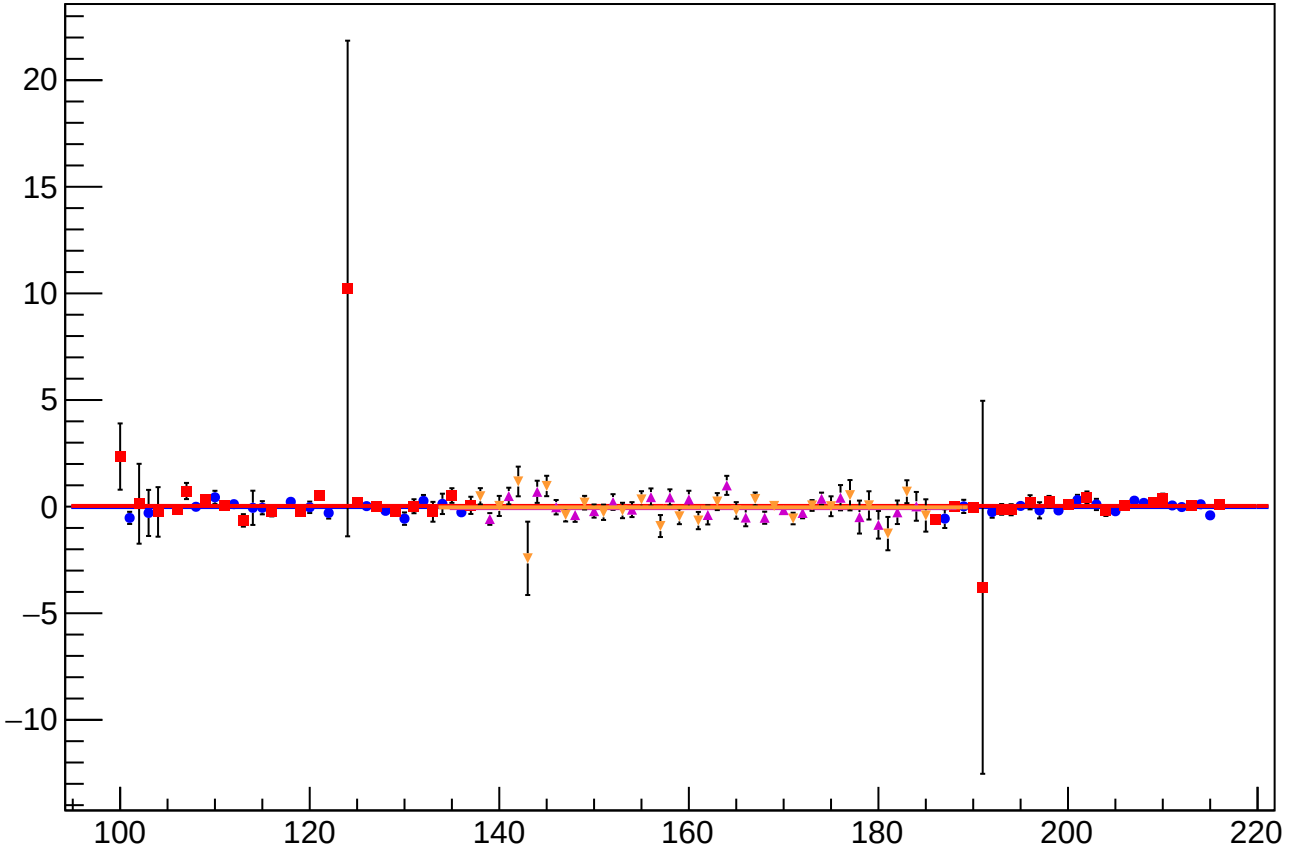
Right: 0.000+/-0.000 χ^2/NDF: 19594636.5/65

In: 0.000+/-0.000 χ^2/NDF:12502967.9/53

Out: 0.000+/-0.000 χ^2/NDF:13199151.6/59

All: 0.000+/-0.000 χ^2/NDF: 25704901.8/113

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: 0.033+/-0.039 χ^2/NDF: 43.3/34

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

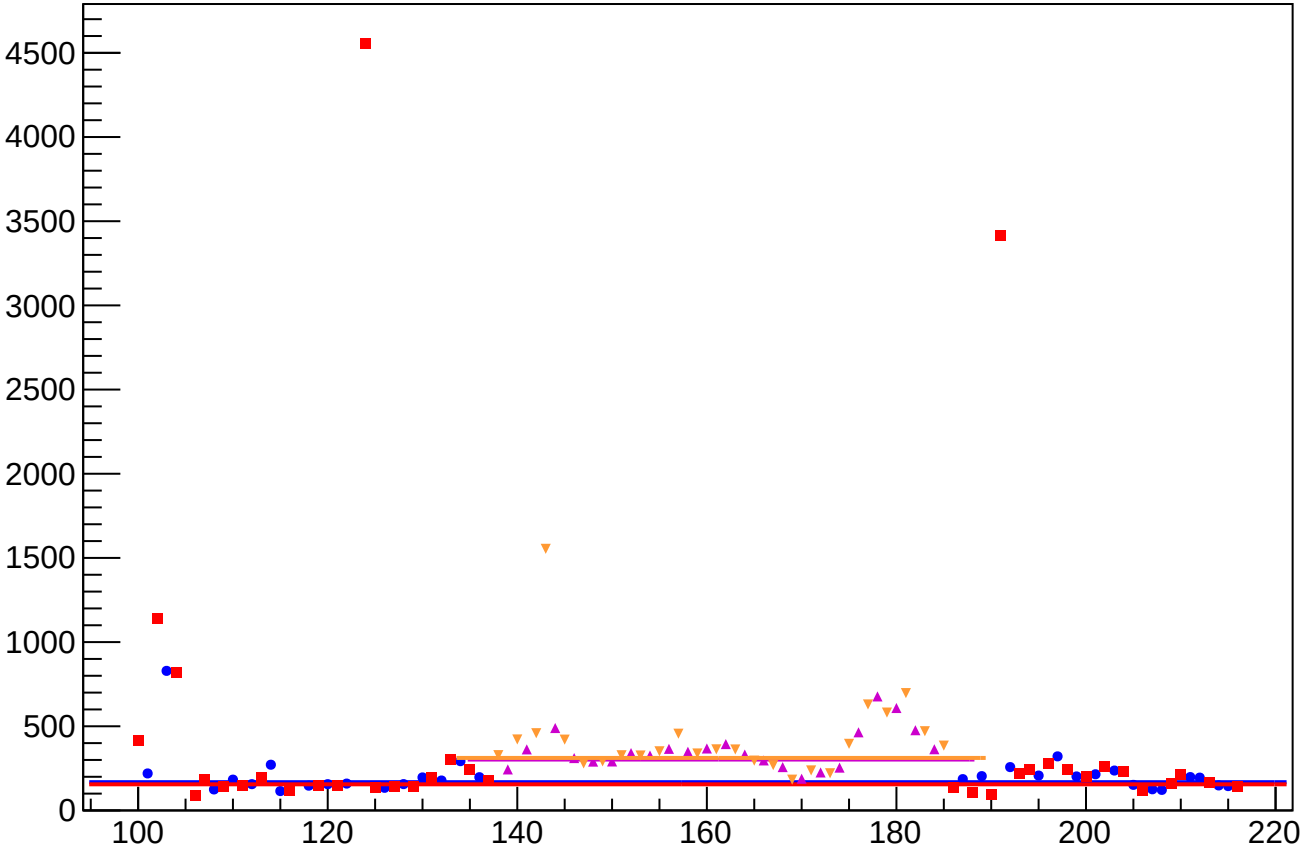
Right: 0.007+/-0.028 χ^2/NDF: 79.5/65

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.019+/-0.035 χ^2/NDF:76.4/59

All: -0.006+/-0.025 χ^2/NDF: 143.0/113

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: 155.296+/-0.028 χ^2/NDF: 4908105.0/34

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

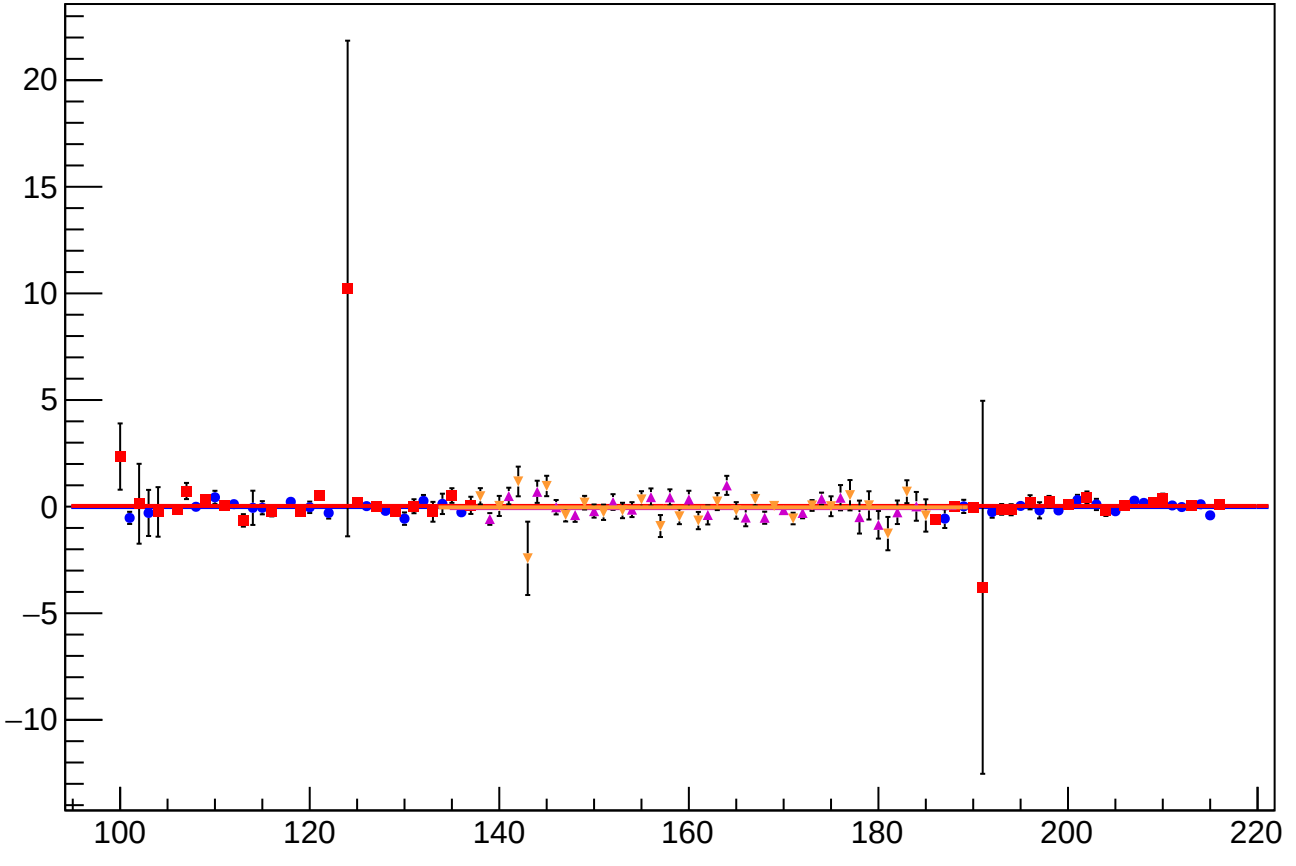
Right: 161.320+/-0.020 χ^2/NDF: 7753140.6/65

In: 199.187+/-0.026 χ^2/NDF:10501660.5/53

Out: 187.939+/-0.025 χ^2/NDF:15868279.2/59

All: 193.387+/-0.018 χ^2/NDF: 26469989.1/11

asym_atl_avg_atr_avg_avg_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: 0.033+/-0.039 χ^2/NDF: 43.3/34

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

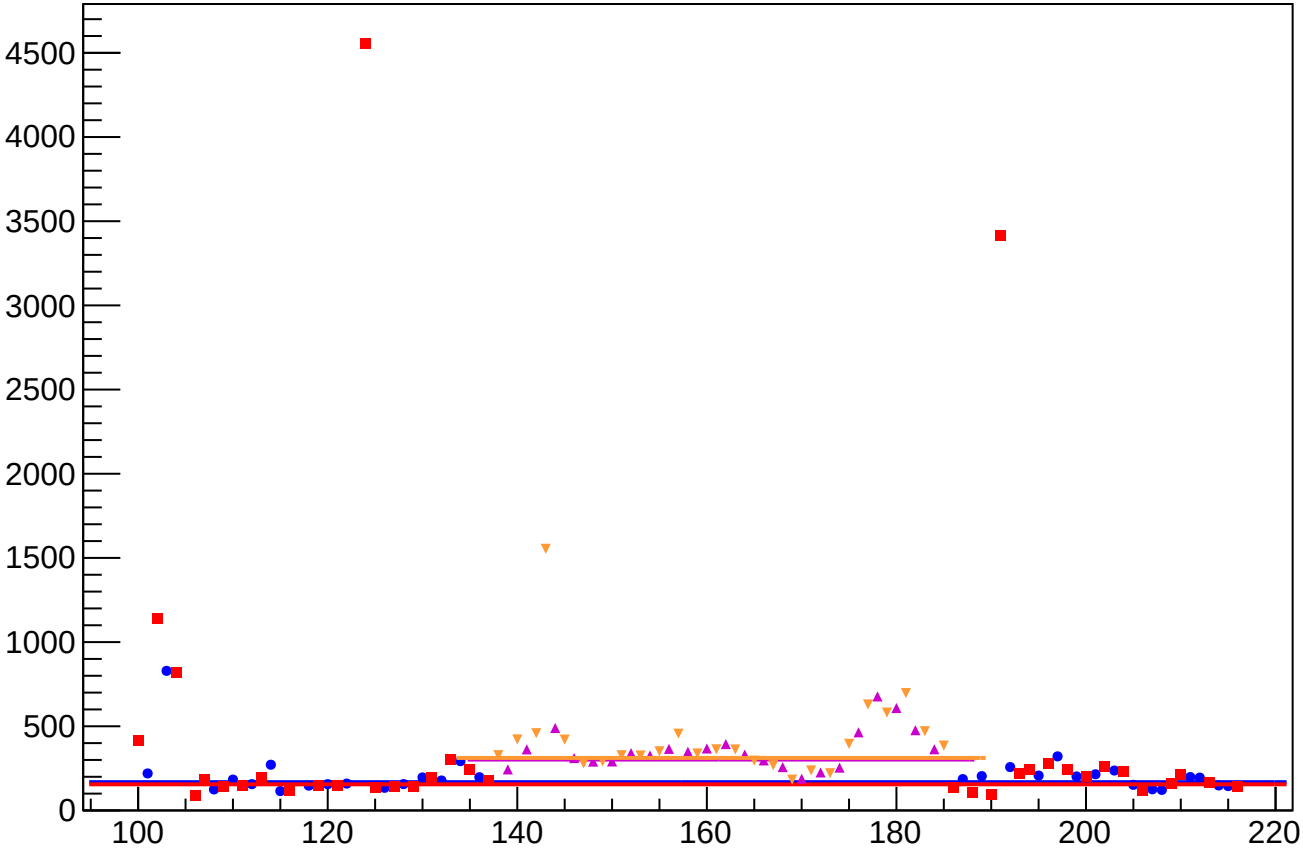
Right: 0.007+/-0.028 χ^2/NDF: 79.5/65

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.019+/-0.035 χ^2/NDF:76.4/59

All: -0.006+/-0.025 χ^2/NDF: 143.0/113

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: 155.296+/-0.028 χ^2/NDF: 4908105.0/34

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

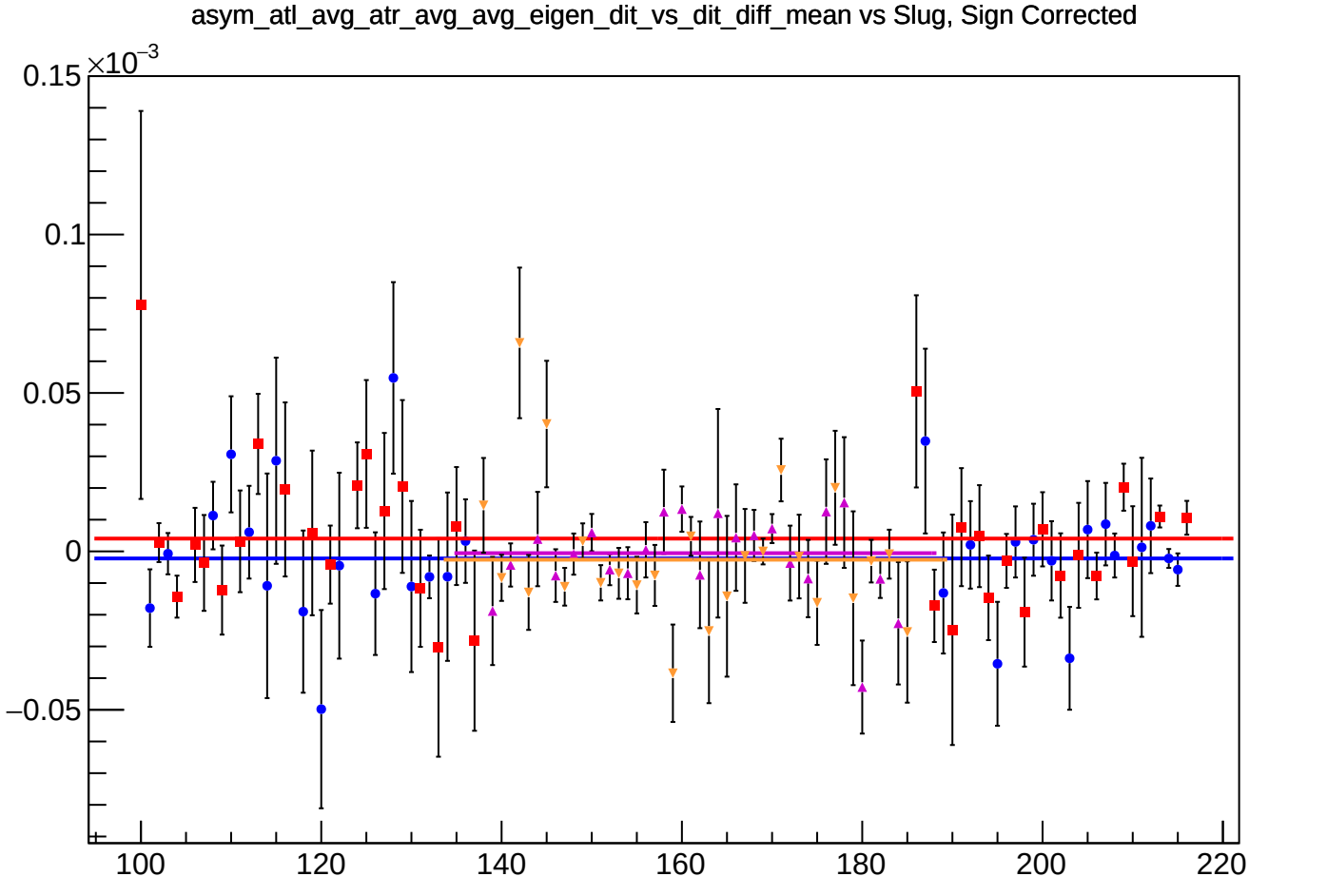
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 161.320+/-0.020 χ^2/NDF: 7753140.6/65

In: 199.187+/-0.026 χ^2/NDF:10501660.5/53

Out: 187.939+/-0.025 χ^2/NDF:15868279.2/59

All: 193.387+/-0.018 χ^2/NDF: 26469989.1/11



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.4/34

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

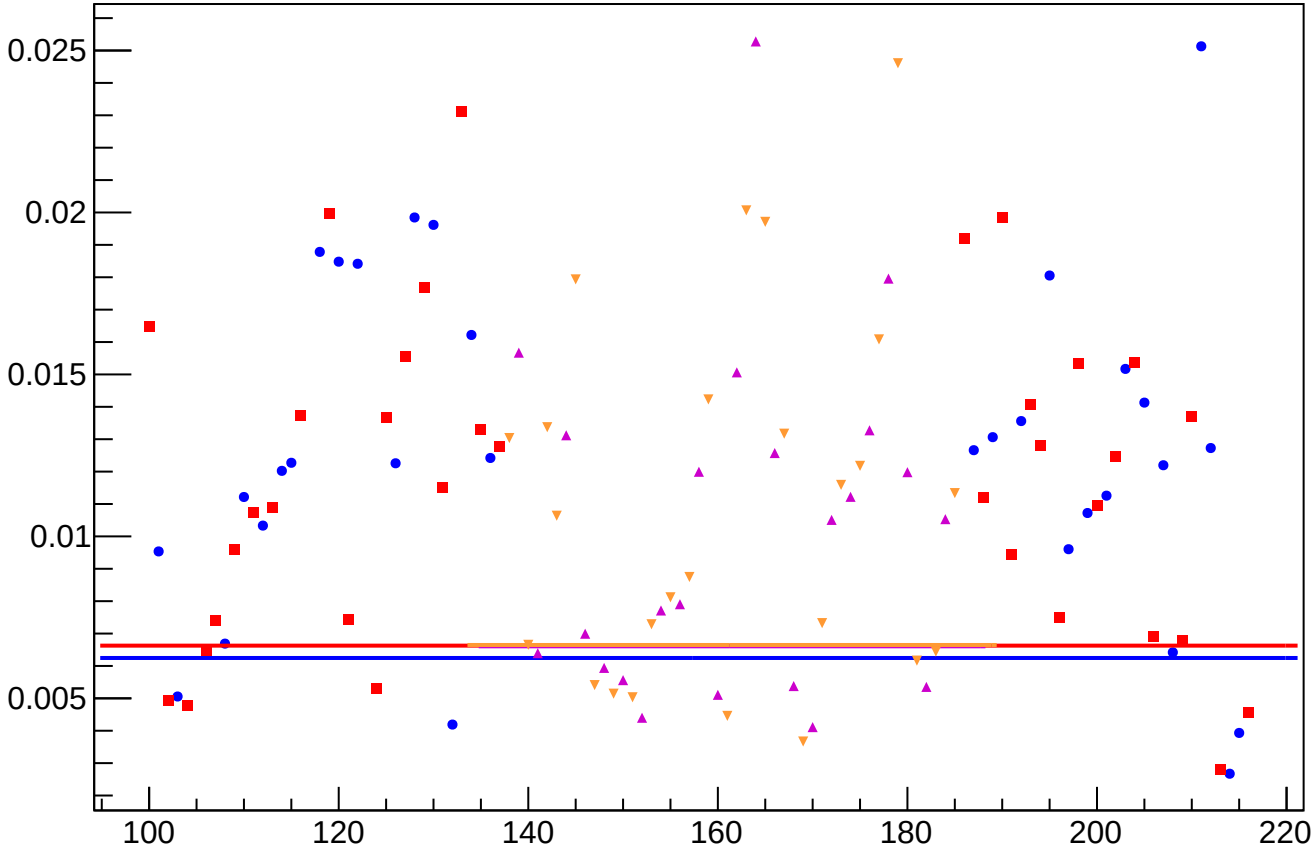
Right: 0.000+/-0.000 χ^2/NDF: 79.3/65

In: -0.000+/-0.000 χ^2/NDF:54.0/53

Out: 0.000+/-0.000 χ^2/NDF:96.0/59

All: -0.000+/-0.000 χ^2/NDF: 151.4/113

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: 9778161.2/34

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

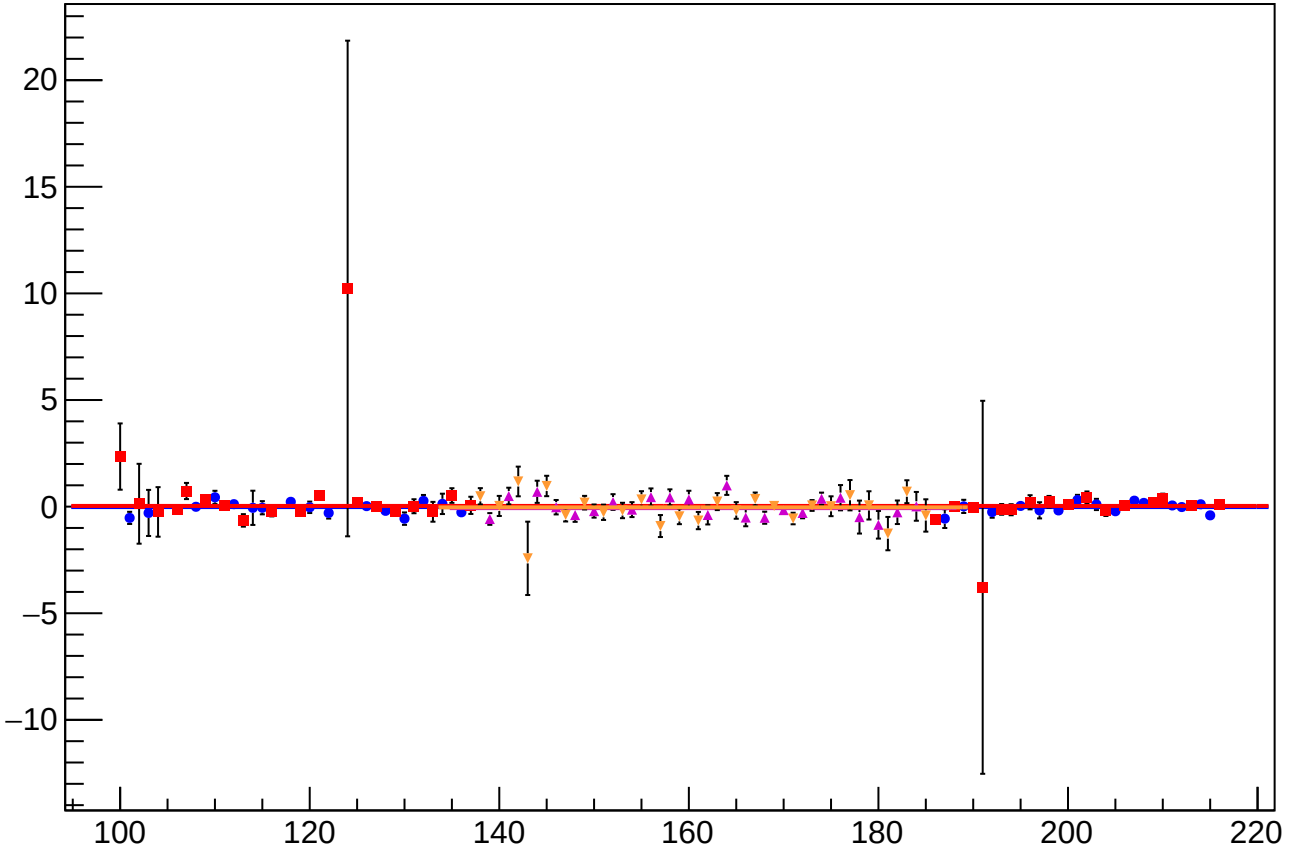
Right: 0.006+/-0.000 χ^2/NDF: 22138428.1/65

In: 0.006+/-0.000 χ^2/NDF:18211167.7/53

Out: 0.007+/-0.000 χ^2/NDF:17292231.5/59

All: 0.007+/-0.000 χ^2/NDF: 35531473.4/113

asym_atl_avg_atr_avg_avg_eigen_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: 0.033+/-0.039 χ^2/NDF: 43.3/34

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

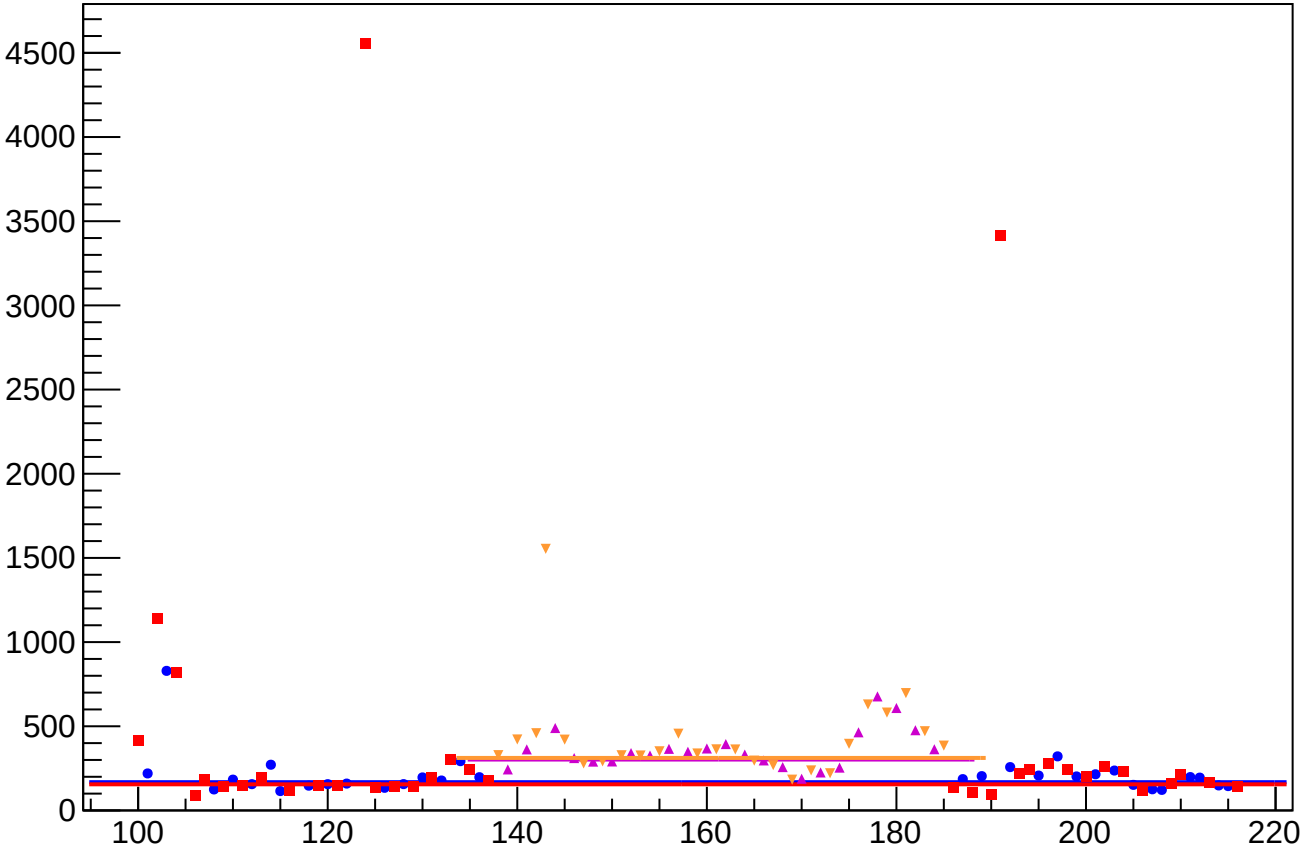
Right: 0.007+/-0.028 χ^2/NDF: 79.5/65

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.019+/-0.035 χ^2/NDF:76.4/59

All: -0.006+/-0.025 χ^2/NDF: 143.0/113

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: 155.294+/-0.028 χ^2/NDF: 4908318.1/34

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

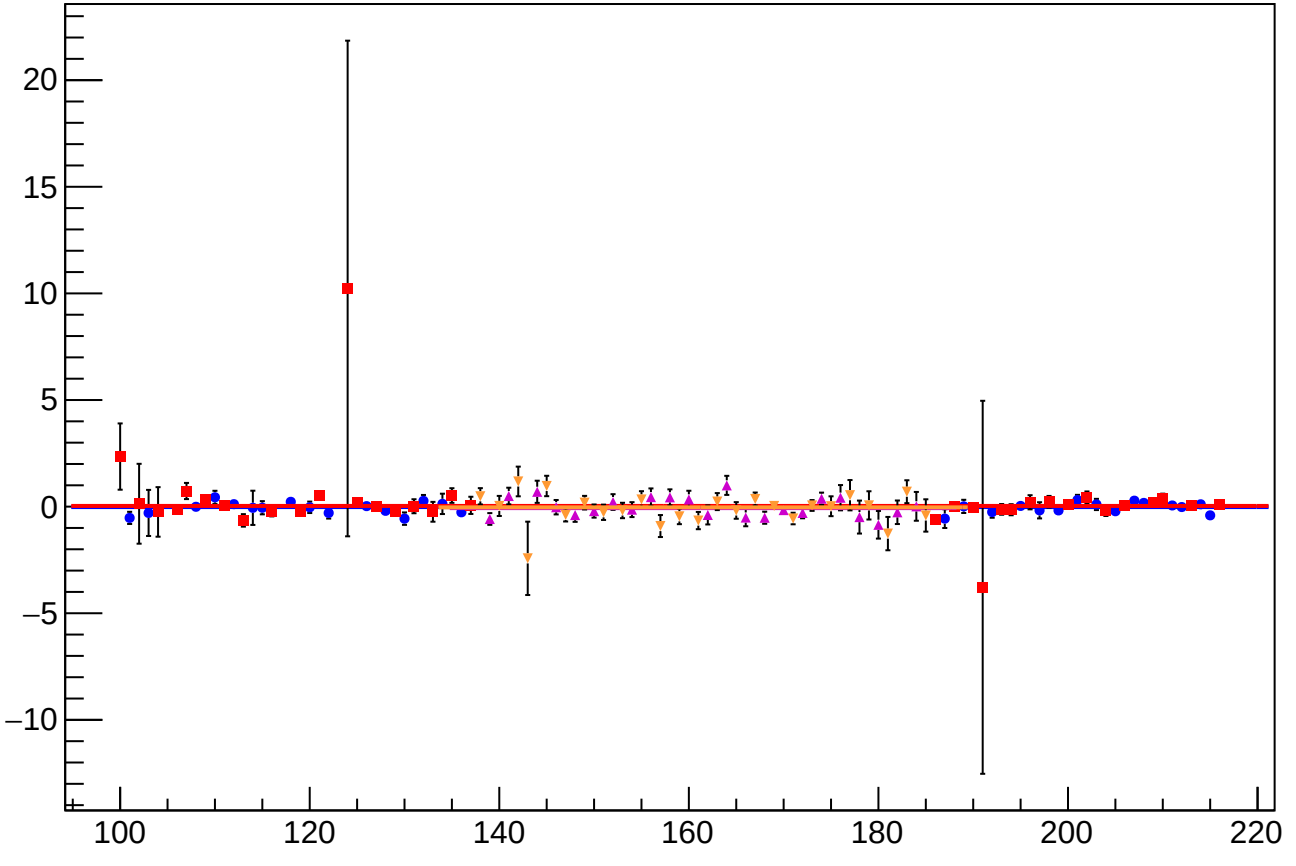
Right: 161.318+/-0.020 χ^2/NDF: 7753452.6/65

In: 199.186+/-0.026 χ^2/NDF:10502009.9/53

Out: 187.936+/-0.025 χ^2/NDF:15868956.6/59

All: 193.385+/-0.018 χ^2/NDF: 26471052.8/1

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: 0.033+/-0.039 χ^2/NDF: 43.3/34

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

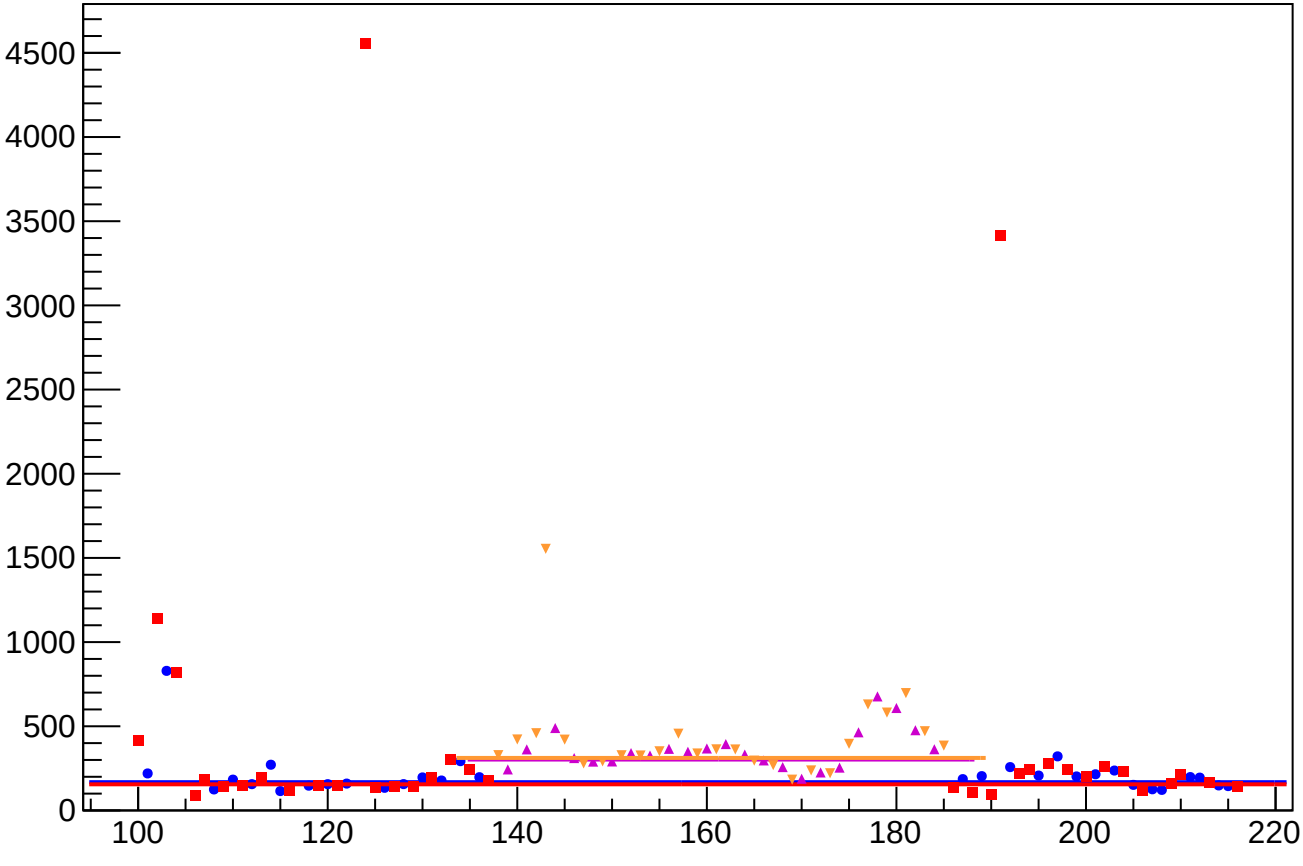
Right: 0.007+/-0.028 χ^2/NDF: 79.5/65

In: -0.032+/-0.036 χ^2/NDF:65.5/53

Out: 0.019+/-0.035 χ^2/NDF:76.4/59

All: -0.006+/-0.025 χ^2/NDF: 143.0/113

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: 155.294+/-0.028 χ^2/NDF: 4908318.1/34

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

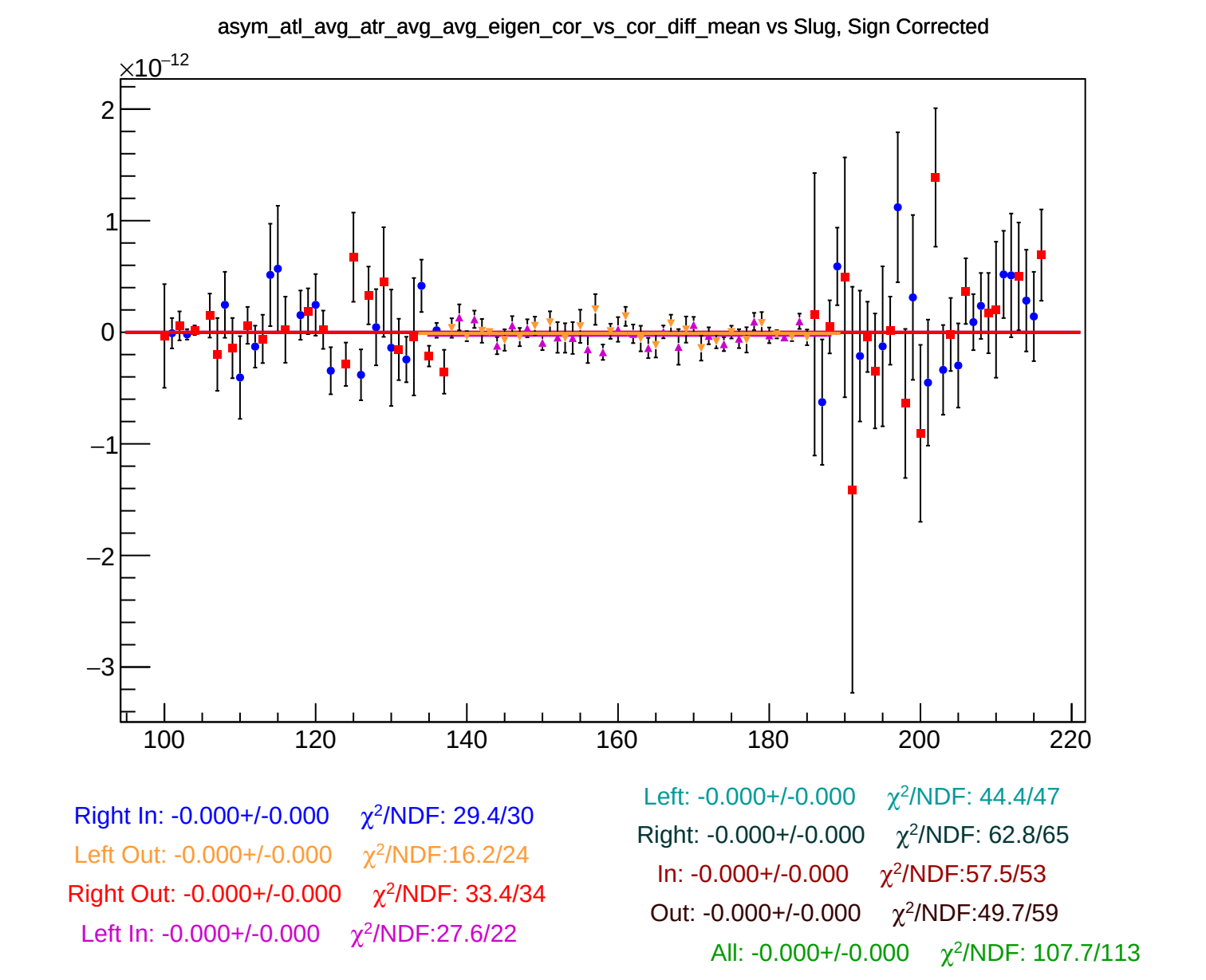
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

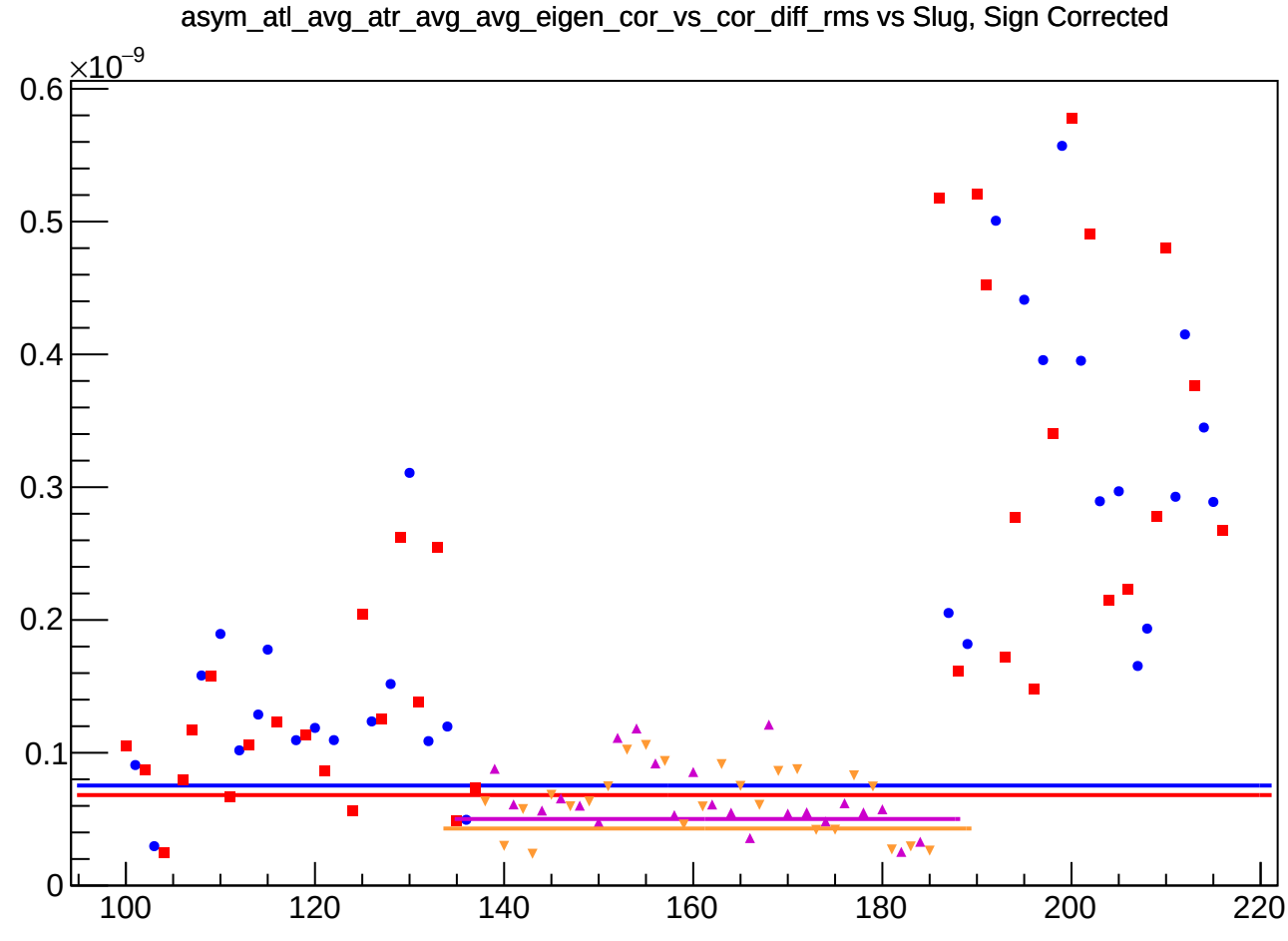
Right: 161.318+/-0.020 χ^2/NDF: 7753452.6/65

In: 199.186+/-0.026 χ^2/NDF:10502009.9/53

Out: 187.936+/-0.025 χ^2/NDF:15868956.6/59

All: 193.385+/-0.018 χ^2/NDF: 26471052.8/11


asym_atl_avg_atr_avg_avg_eigen_cor_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: 29.4/30
Left Out: -0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.4/34
Left In: -0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 44.4/47
Right: -0.000+/-0.000 χ²/NDF: 62.8/65
In: -0.000+/-0.000 χ²/NDF:57.5/53
Out: -0.000+/-0.000 χ²/NDF:49.7/59
All: -0.000+/-0.000 χ²/NDF: 107.7/113



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: 11418432.0/34

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

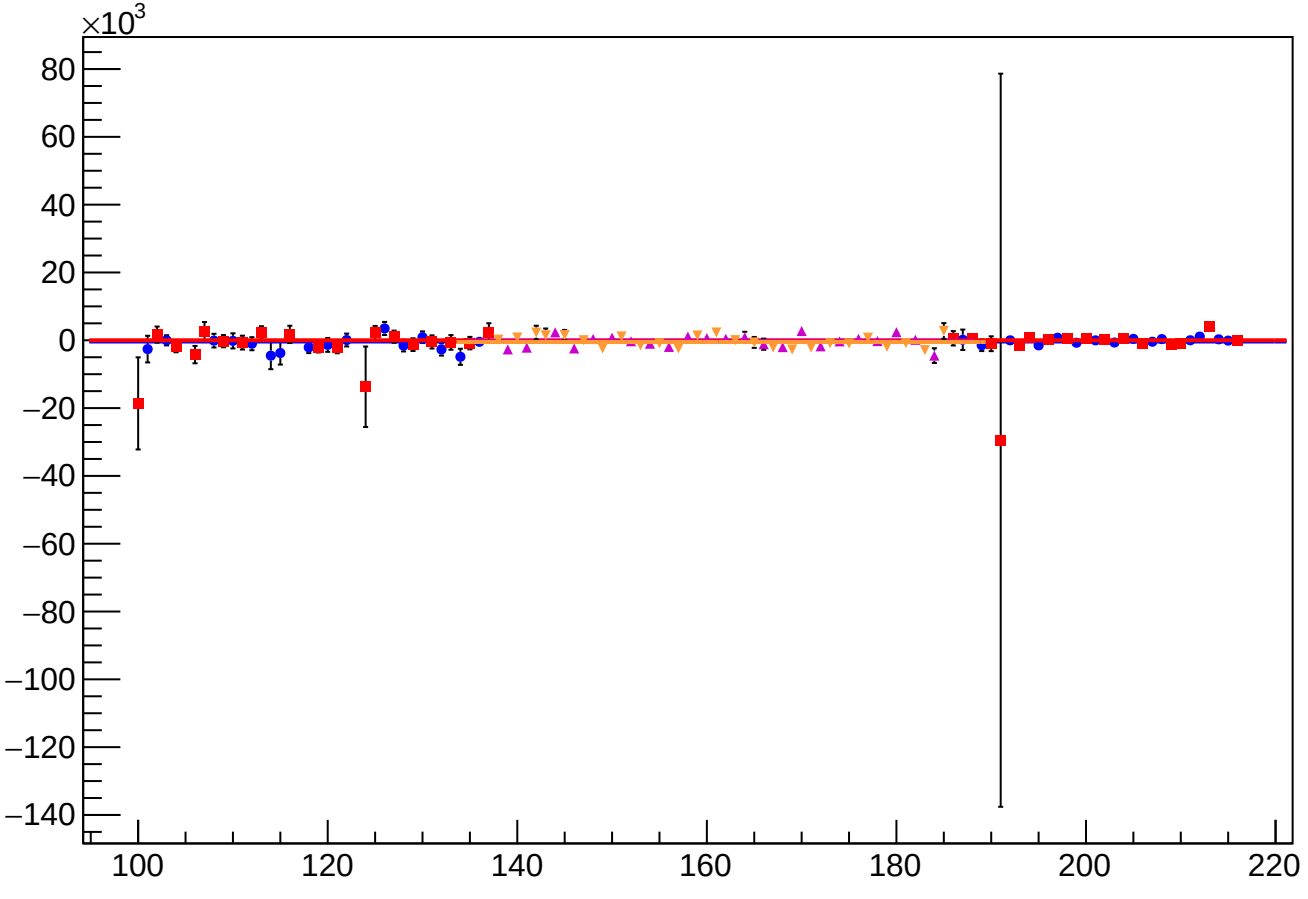
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 23346138.6/65

In: 0.000+/-0.000 χ^2/NDF:16521419.9/53

Out: 0.000+/-0.000 χ^2/NDF:17656986.9/59

All: 0.000+/-0.000 χ^2/NDF: 34534842.5/113



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: 5.203+/-293.245 χ^2/NDF: 29.8/34

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

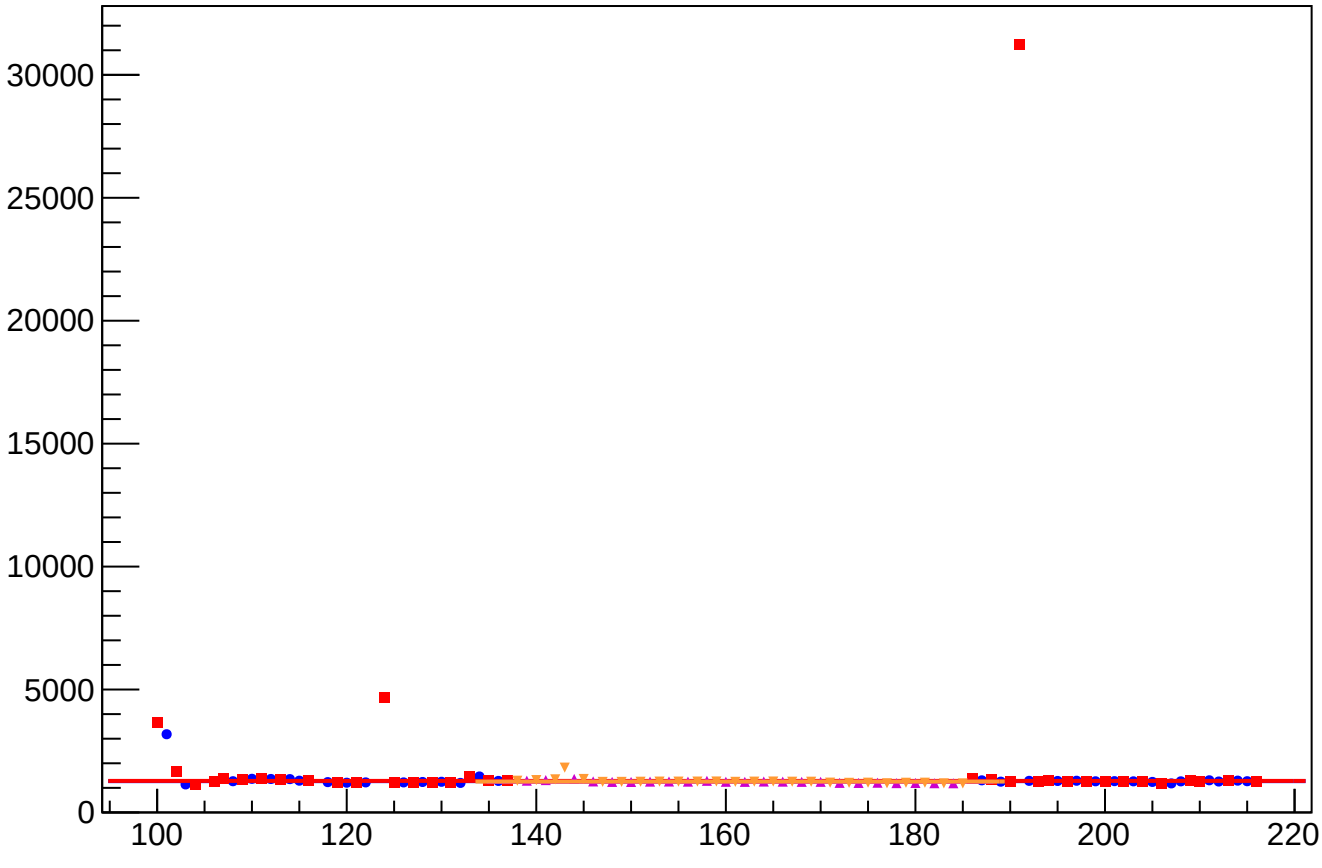
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -178.725+/-206.923 χ^2/NDF: 48.8/65

In: -301.733+/-206.189 χ^2/NDF:50.4/53

Out: -261.190+/-204.725 χ^2/NDF:62.3/59

All: -281.317+/-145.278 χ^2/NDF: 112.7/113



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: 1283.056+/-0.207 χ^2/NDF: 508009.8/34

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

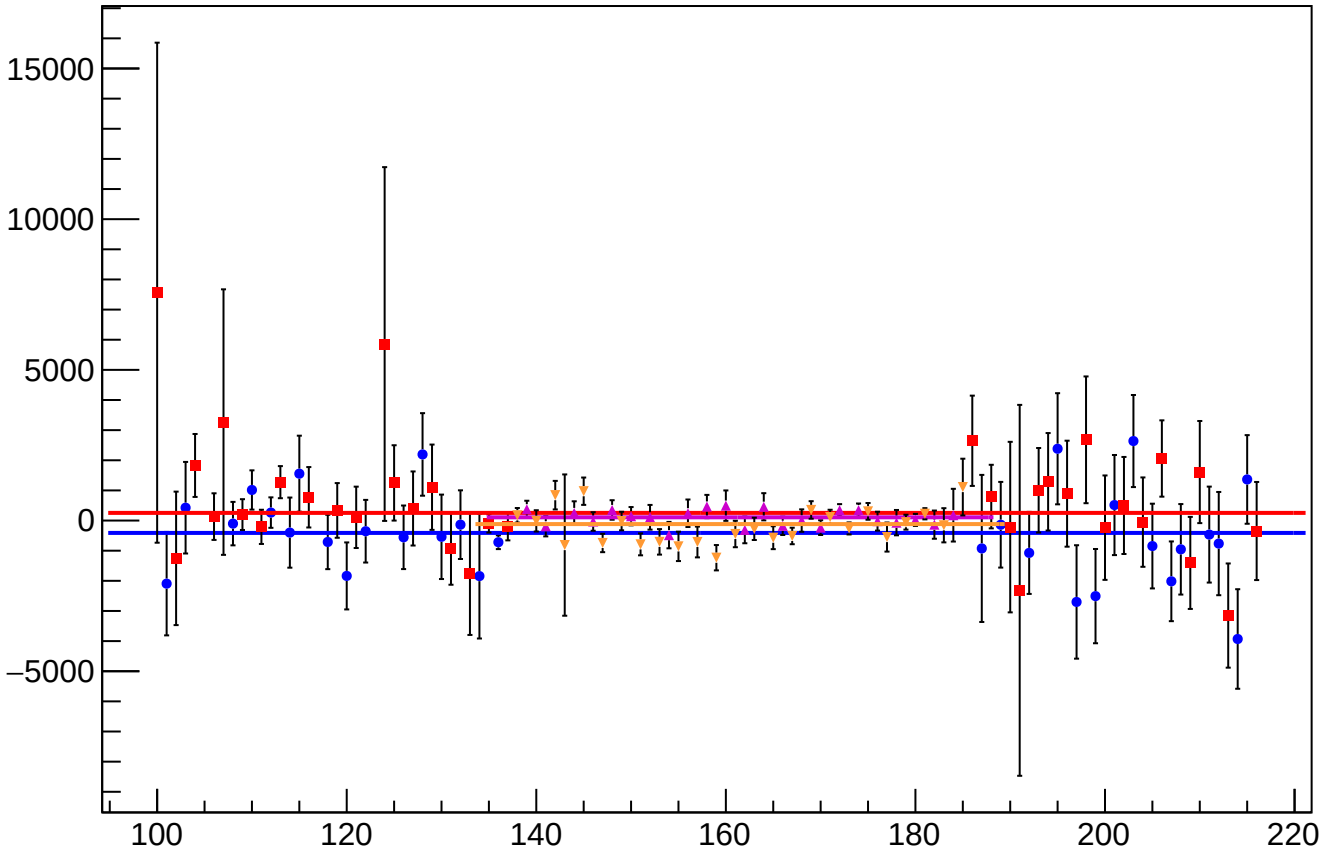
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.177+/-0.146 χ^2/NDF: 1043277.7/65

In: 1259.807+/-0.146 χ^2/NDF:582586.3/53

Out: 1268.938+/-0.145 χ^2/NDF:720177.3/59

All: 1264.405+/-0.103 χ^2/NDF: 1304738.5/11



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: 254.182+/-156.176 χ^2/NDF: 28.0/34

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

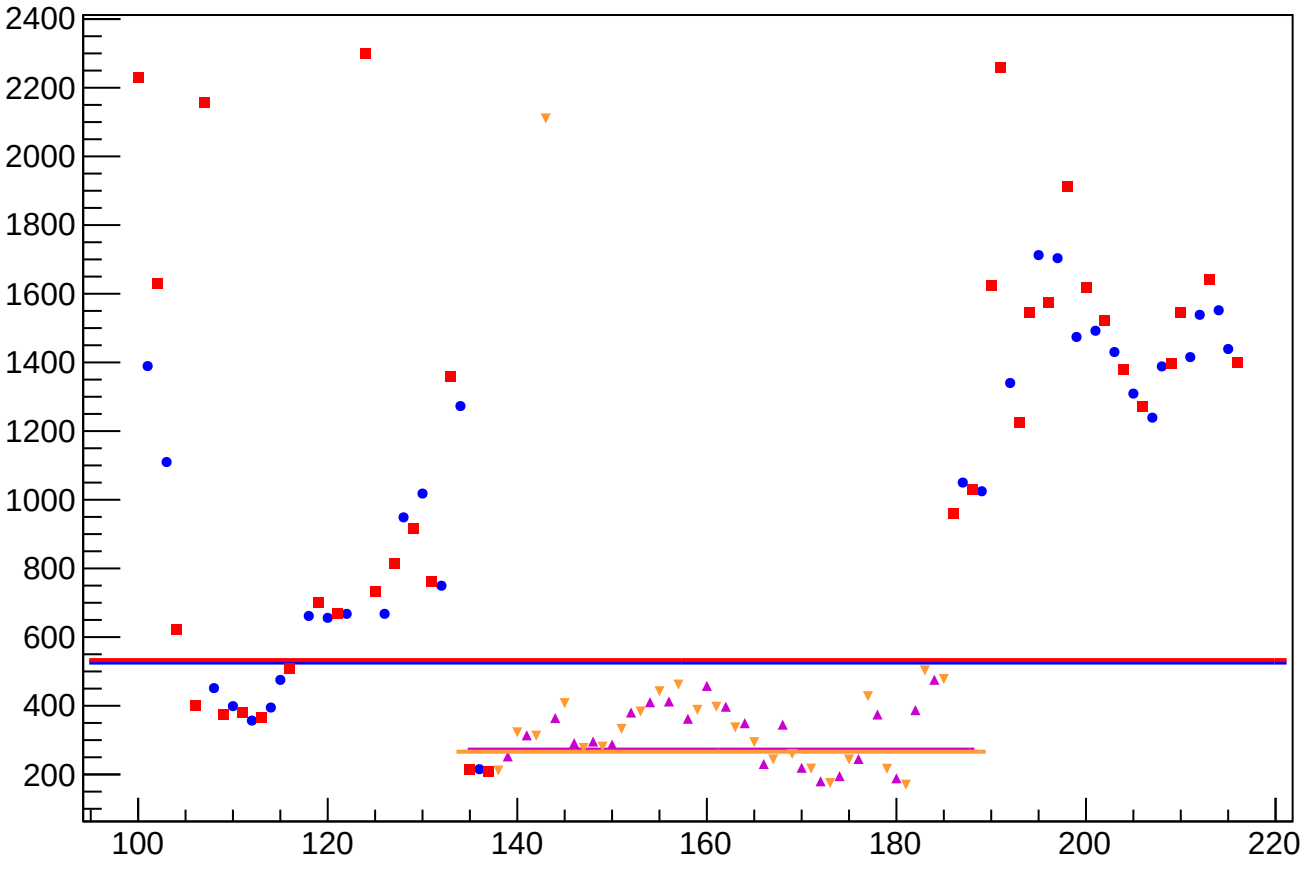
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -79.728+/-110.158 χ^2/NDF: 73.2/65

In: 26.196+/-61.526 χ^2/NDF:59.2/53

Out: -62.136+/-60.056 χ^2/NDF:81.2/59

All: -19.038+/-42.976 χ^2/NDF: 141.5/113



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: 533.052+/-0.110 χ^2/NDF: 15123404.4/34

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

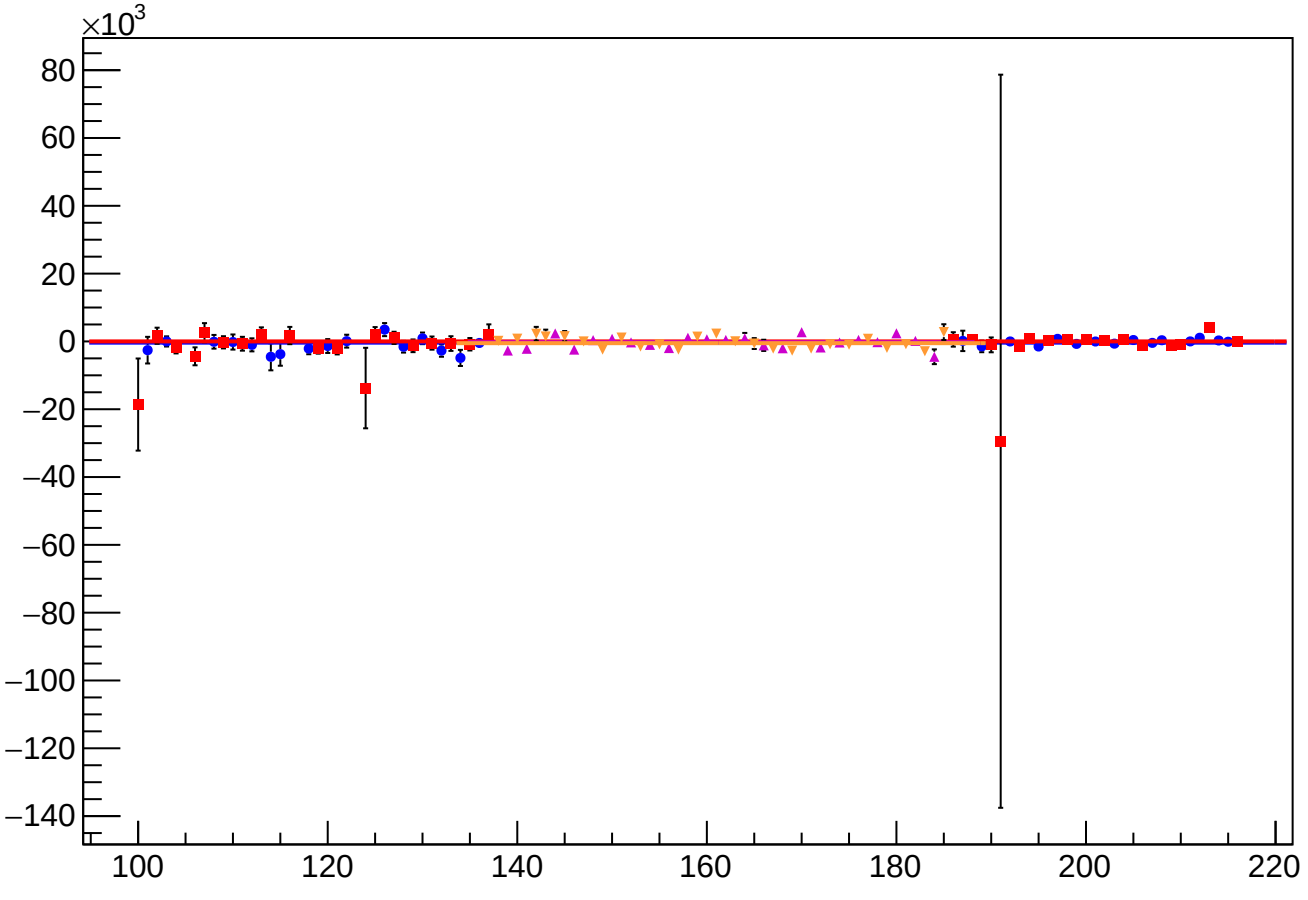
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 529.410+/-0.078 χ^2/NDF: 30393669.7/65

In: 312.095+/-0.044 χ^2/NDF:22641549.1/53

Out: 305.763+/-0.042 χ^2/NDF:24724620.3/59

All: 308.852+/-0.030 χ^2/NDF: 47377016.4/11



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: 6.429+/-293.359 χ^2/NDF: 29.8/34

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

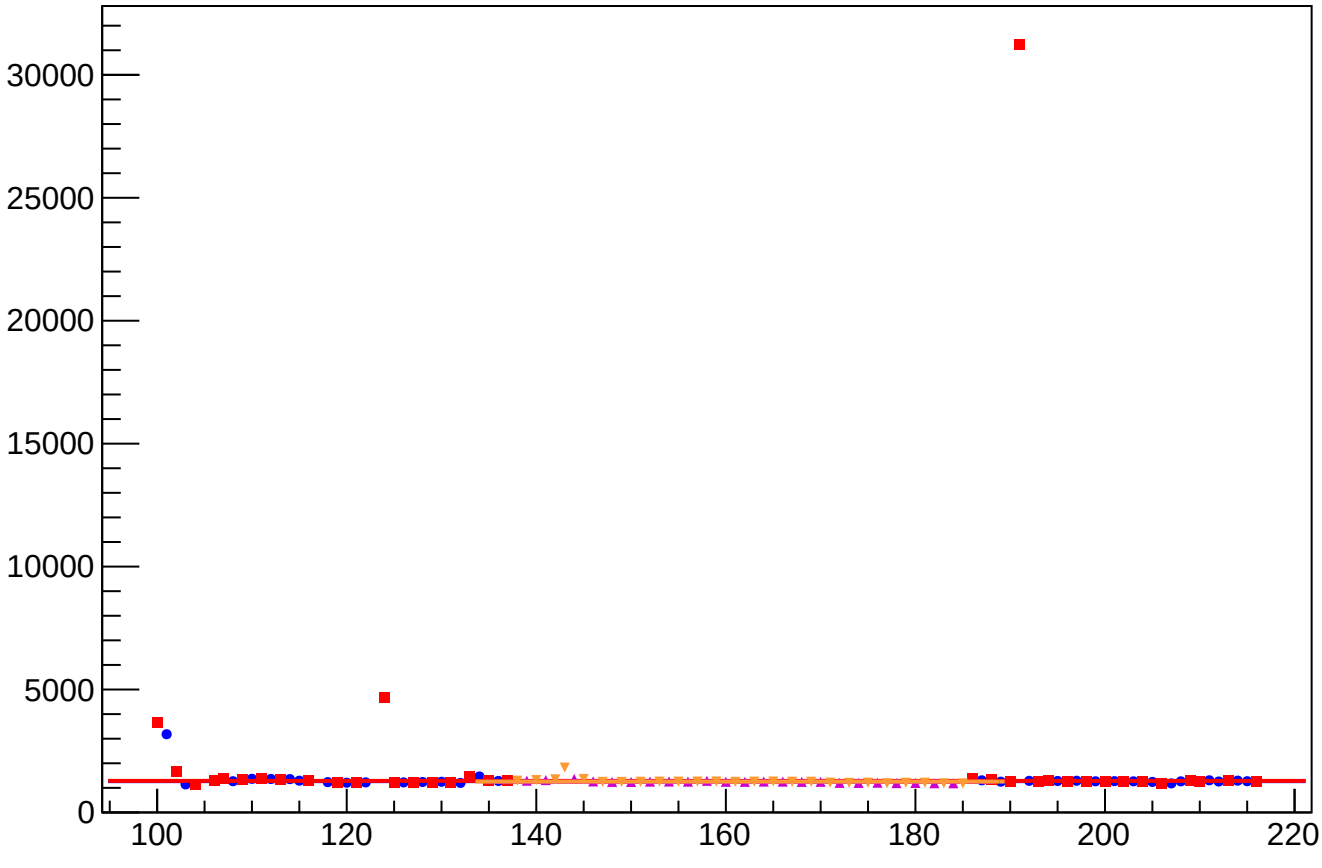
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -178.119+/-206.964 χ^2/NDF: 48.9/65

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -260.666+/-204.765 χ^2/NDF:62.4/59

All: -281.018+/-145.292 χ^2/NDF: 112.8/113



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: 1283.573+/-0.207 χ^2/NDF: 508006.4/34

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

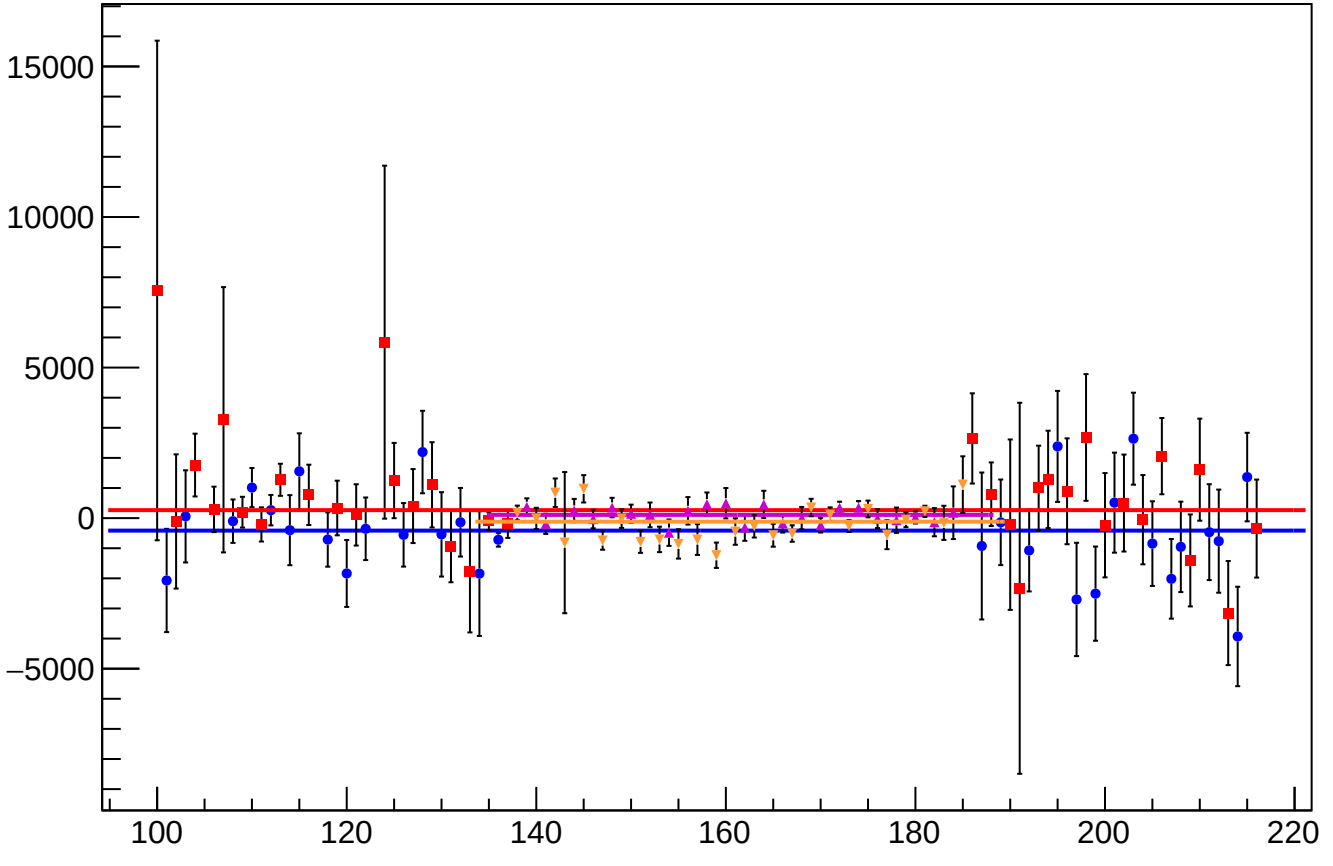
Right: 1278.433+/-0.146 χ^2/NDF: 1043395.9/65

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.185+/-0.145 χ^2/NDF:720513.3/59

All: 1264.528+/-0.103 χ^2/NDF: 1305183.8/11

asym_atl_avg_atr_avg_dd_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: 265.254+/-156.022 χ^2/NDF: 27.3/34

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

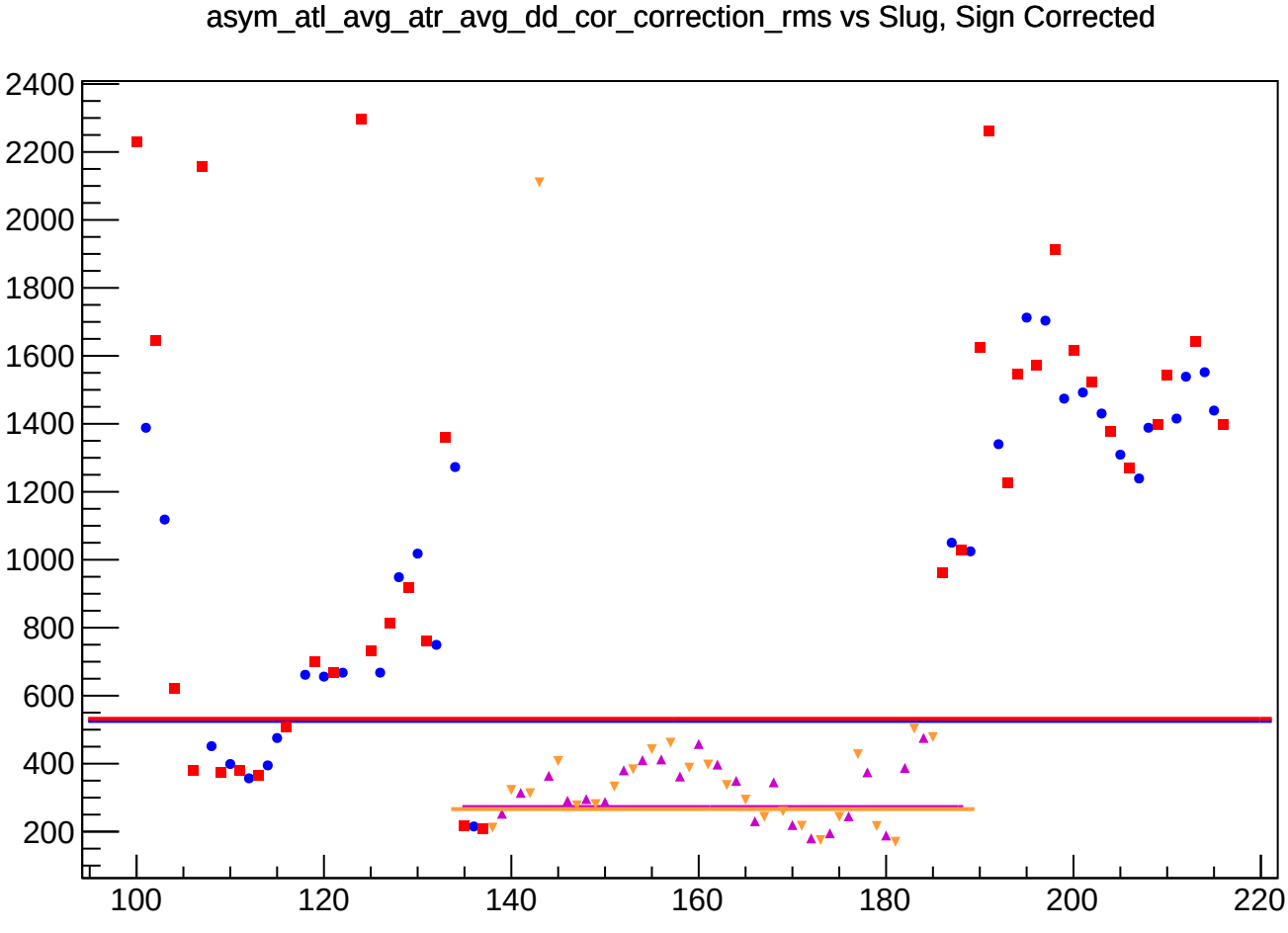
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

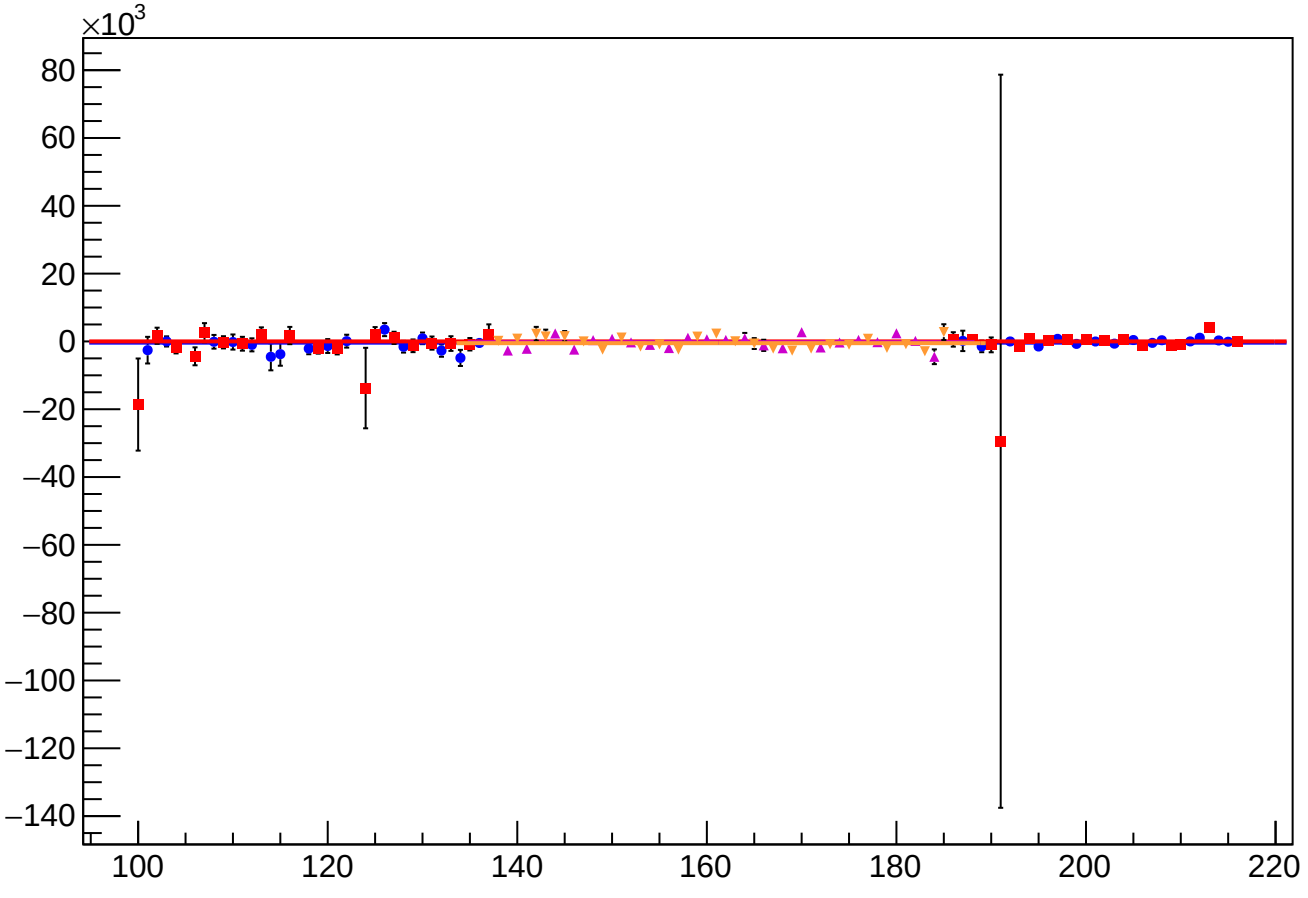
Right: -75.767+/-110.109 χ^2/NDF: 72.7/65

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -60.379+/-60.049 χ^2/NDF:80.9/59

All: -18.384+/-42.974 χ^2/NDF: 141.0/113


asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 525.826+/-0.110 χ²/NDF: 15271071.4/30
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 531.958+/-0.110 χ²/NDF: 15152273.7/34
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
Left: 269.263+/-0.033 χ²/NDF: 7526161.0/47
Right: 528.880+/-0.078 χ²/NDF: 30424895.5/65
In: 312.102+/-0.044 χ²/NDF:22643940.0/53
Out: 305.674+/-0.042 χ²/NDF:24720932.3/59
All: 308.810+/-0.030 χ²/NDF: 47376051.7/11



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: 6.429+/-293.359 χ^2/NDF: 29.8/34

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

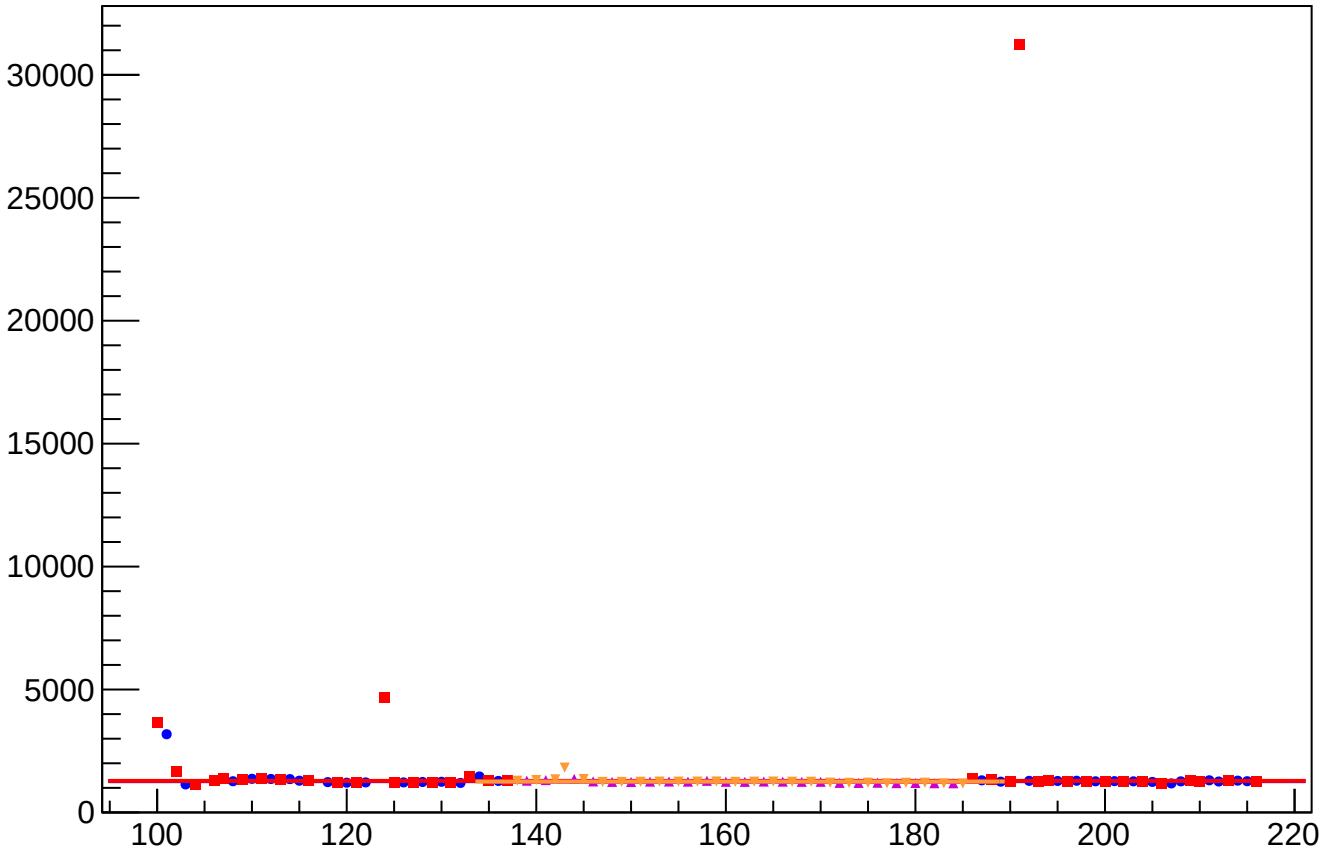
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -178.119+/-206.964 χ^2/NDF: 48.9/65

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -260.666+/-204.765 χ^2/NDF:62.4/59

All: -281.018+/-145.292 χ^2/NDF: 112.8/113



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: 1283.573+/-0.207 χ^2/NDF: 508006.4/34

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

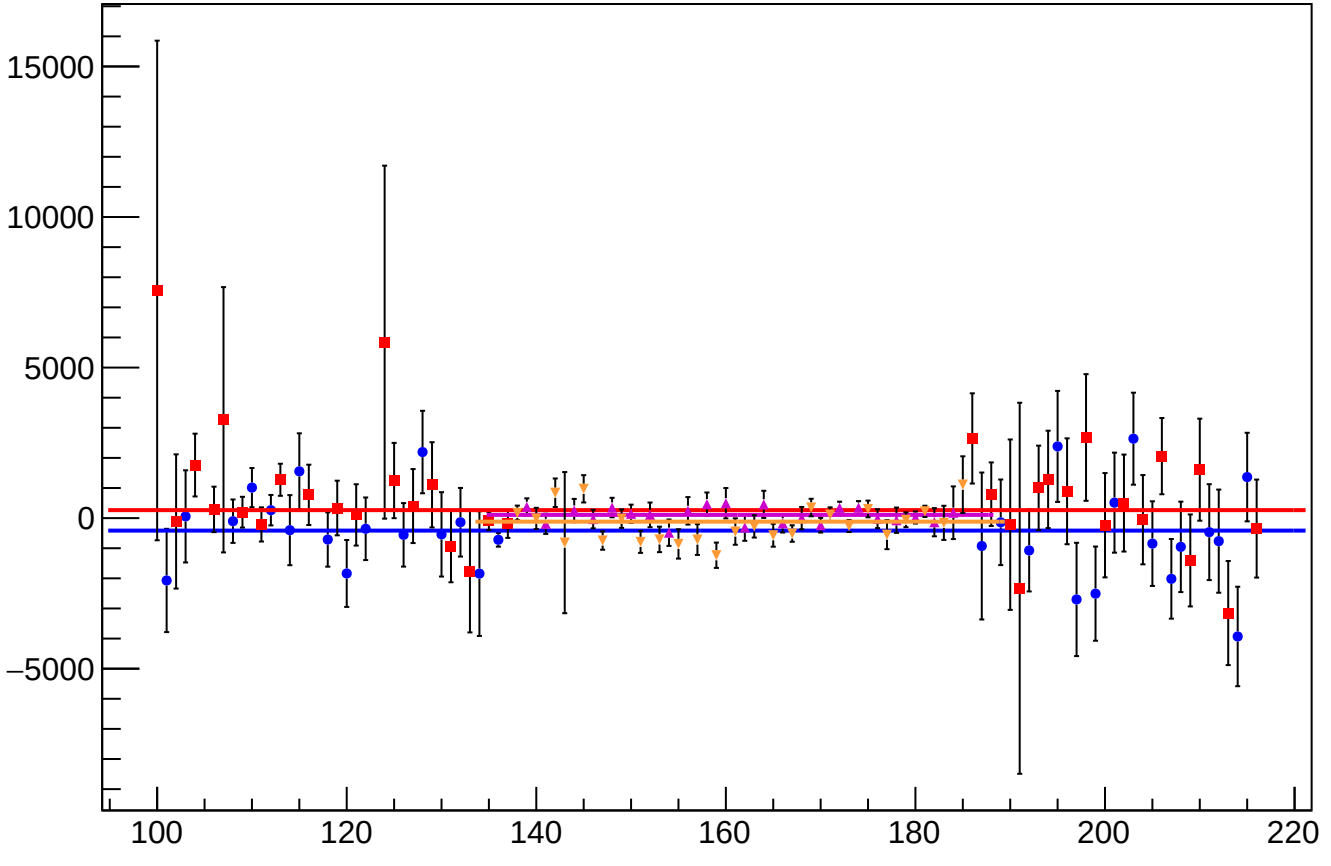
Right: 1278.433+/-0.146 χ^2/NDF: 1043395.9/65

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.185+/-0.145 χ^2/NDF:720513.3/59

All: 1264.528+/-0.103 χ^2/NDF: 1305183.8/11

asym_atl_avg_atr_avg_dd_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: 265.254+/-156.022 χ^2/NDF: 27.3/34

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

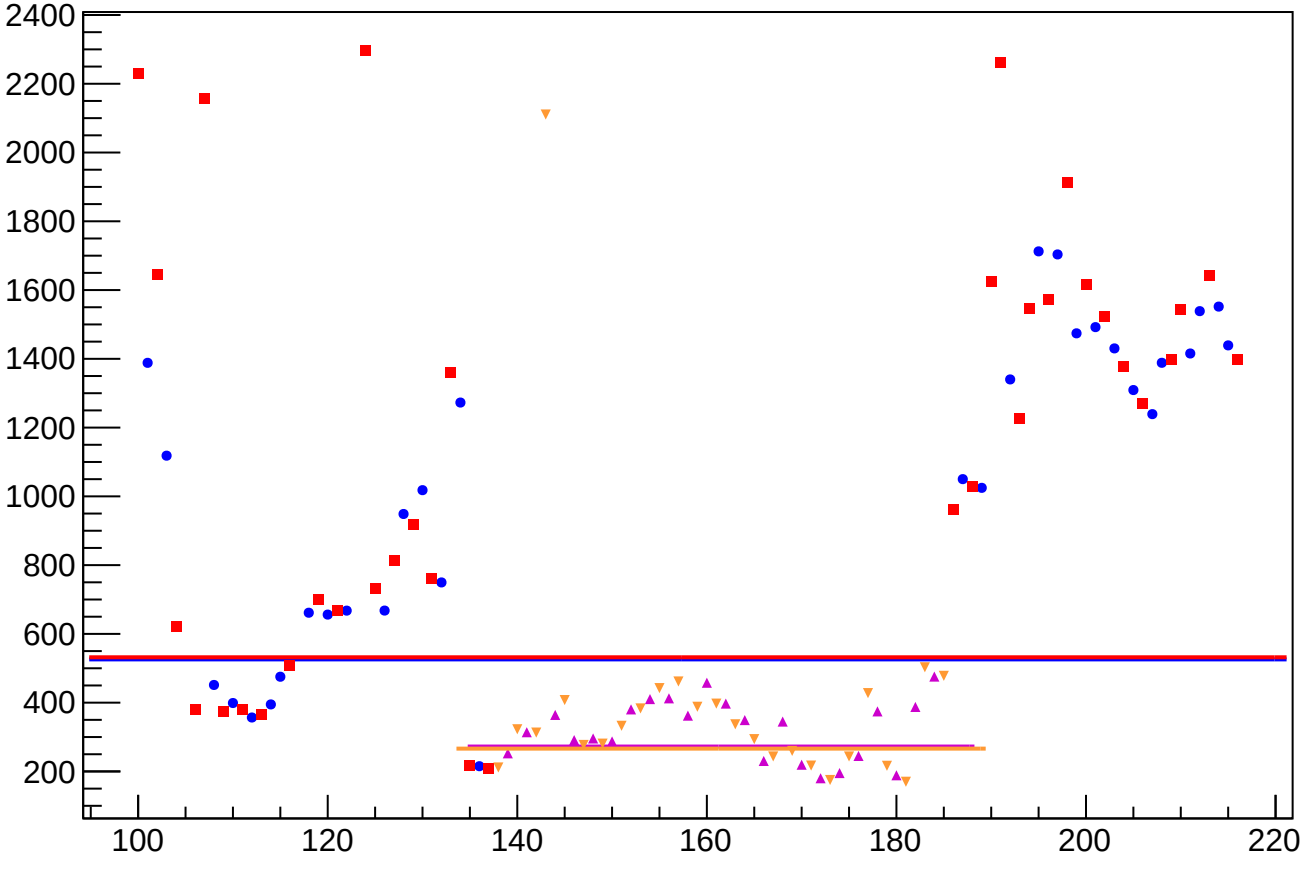
Right: -75.767+/-110.109 χ^2/NDF: 72.7/65

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -60.379+/-60.049 χ^2/NDF:80.9/59

All: -18.384+/-42.974 χ^2/NDF: 141.0/113

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: 531.958+/-0.110 χ^2/NDF: 15152273.7/34

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

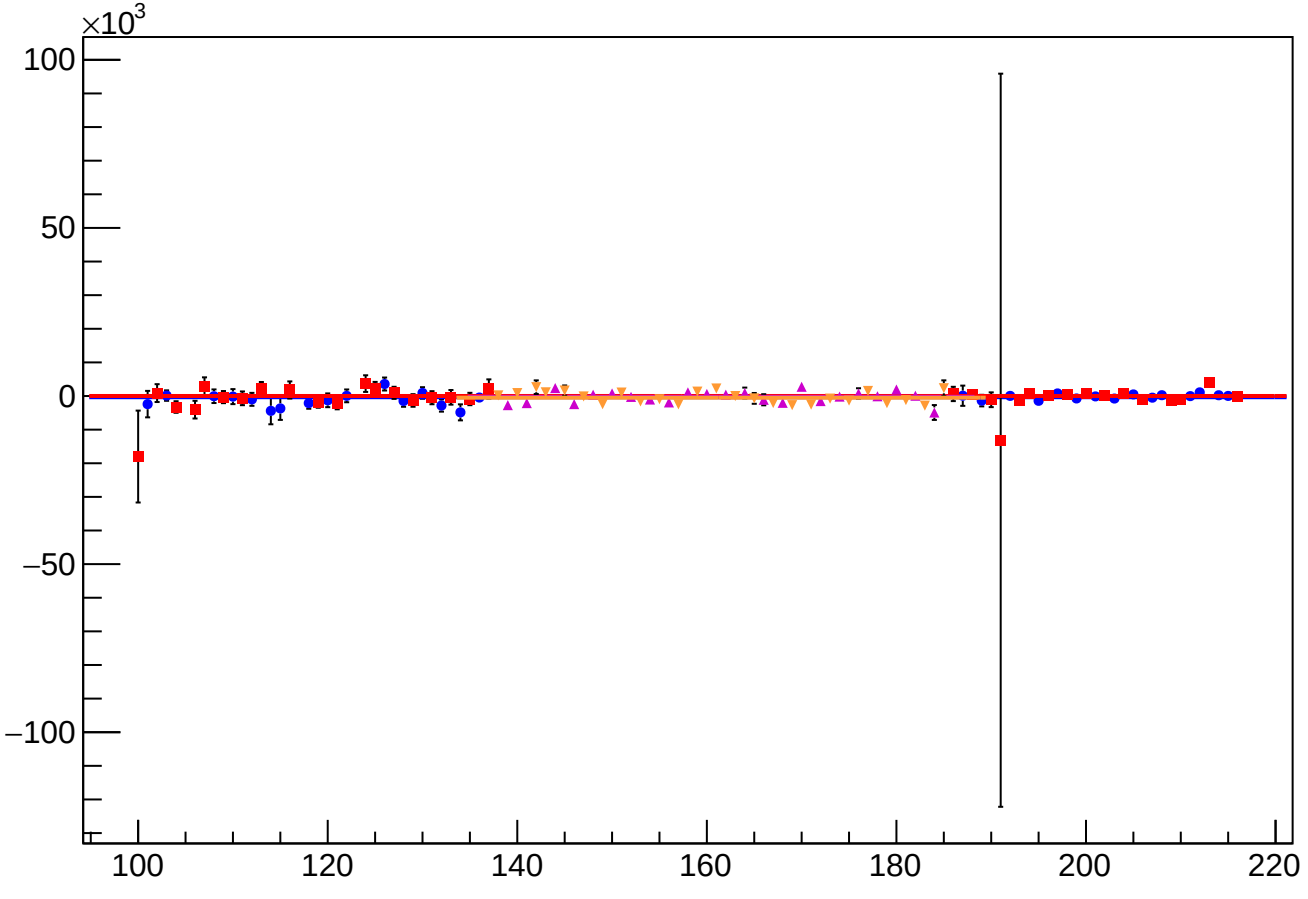
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 528.880+/-0.078 χ^2/NDF: 30424895.5/65

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 305.674+/-0.042 χ^2/NDF:24720932.3/59

All: 308.810+/-0.030 χ^2/NDF: 47376051.7/11



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: 11.619+/-292.872 χ^2/NDF: 31.8/34

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

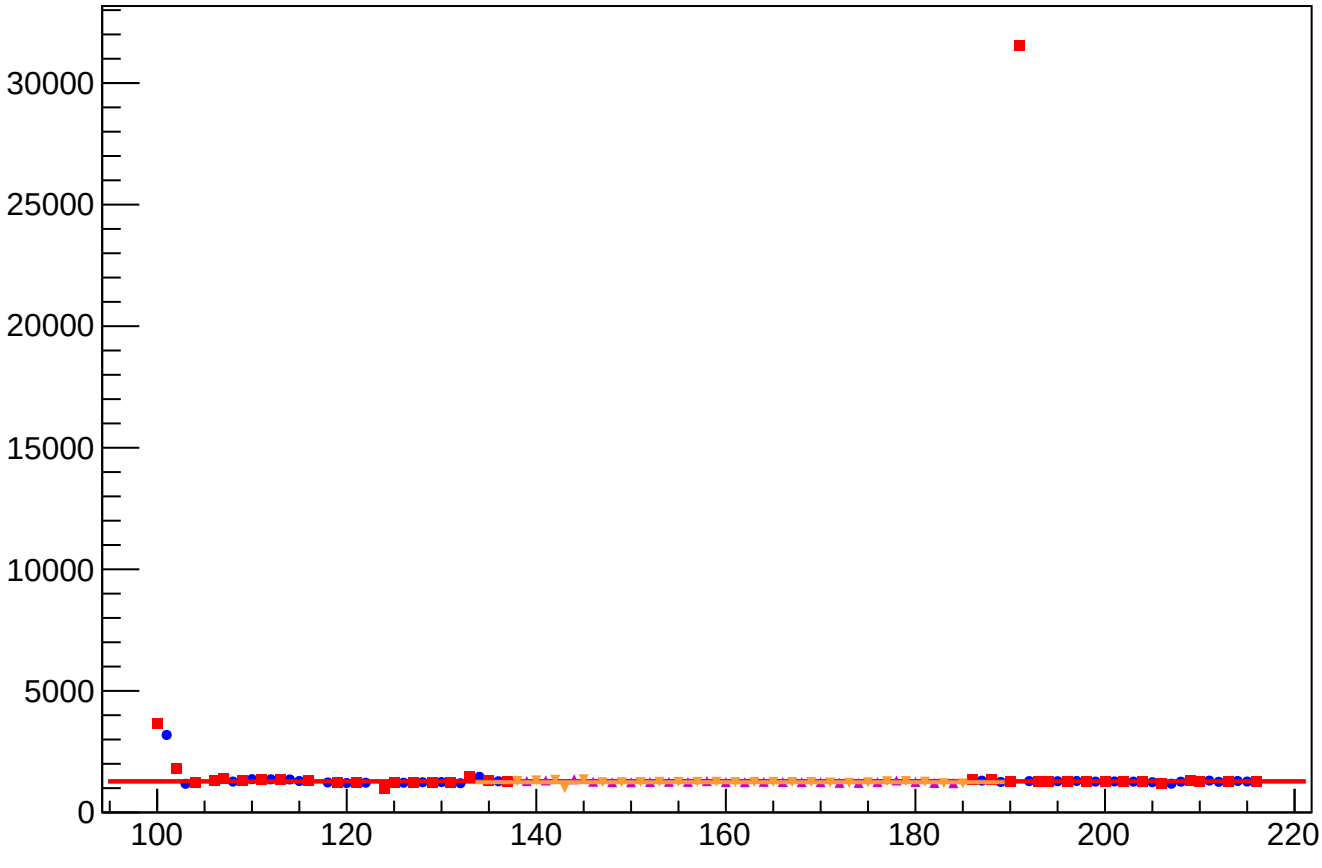
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -170.413+/-207.068 χ^2/NDF: 50.8/65

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -249.801+/-203.413 χ^2/NDF:67.6/59

All: -273.152+/-145.287 χ^2/NDF: 116.5/113



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: 1281.503+/-0.207 χ^2/NDF: 388326.1/34

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

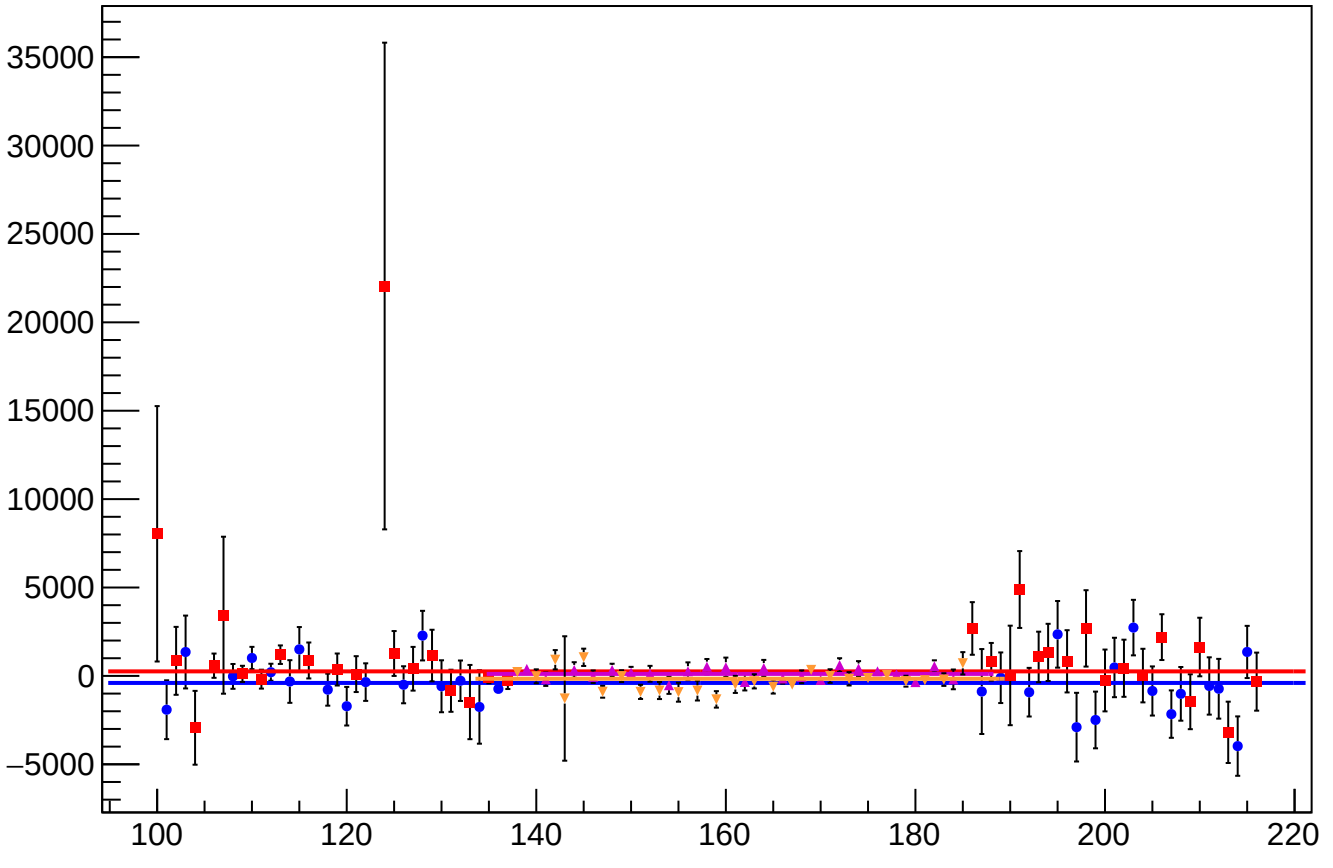
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1279.153+/-0.146 χ^2/NDF: 915353.2/65

In: 1268.492+/-0.147 χ^2/NDF:557941.2/53

Out: 1261.335+/-0.144 χ^2/NDF:536672.3/59

All: 1264.841+/-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: 256.344+/-156.094 χ^2/NDF: 34.1/34

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

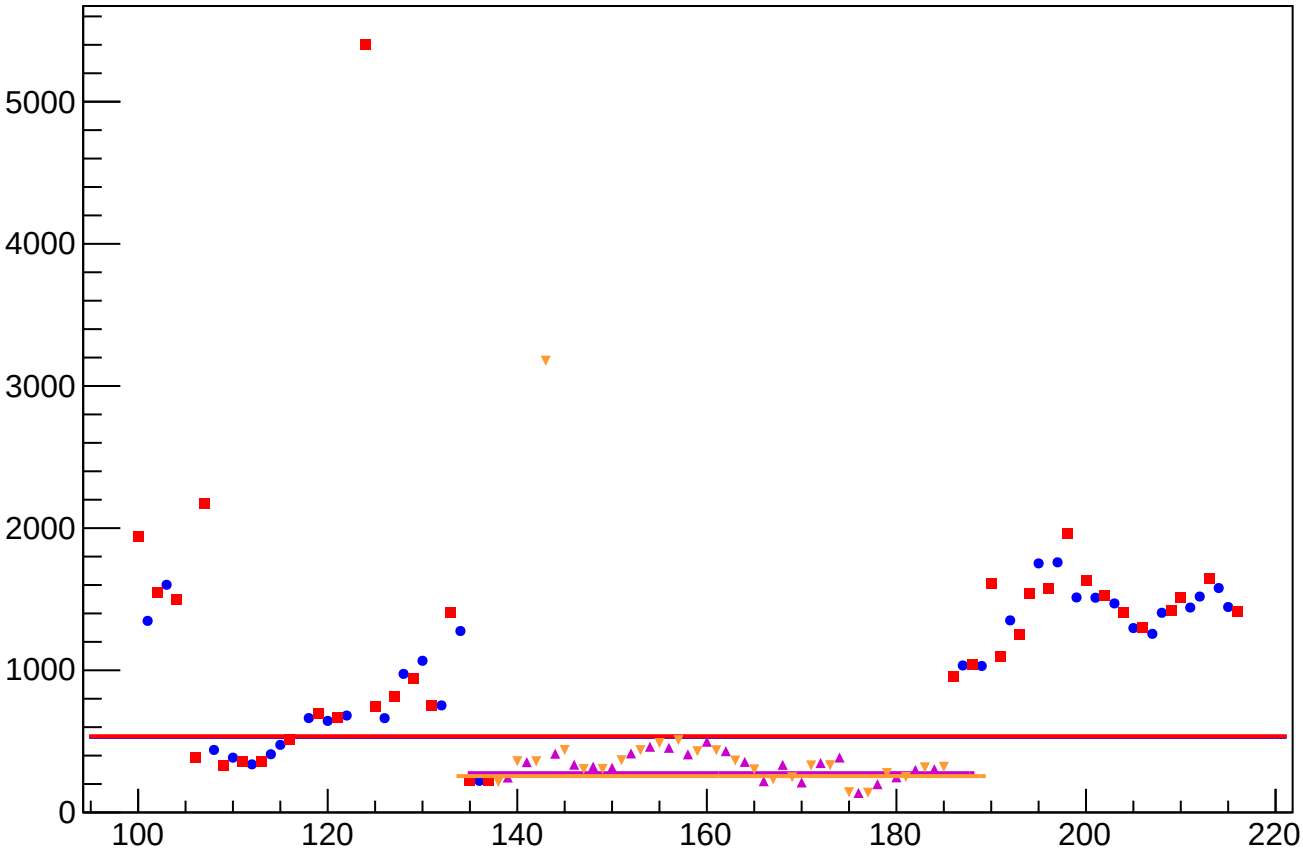
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -68.675+/-110.708 χ^2/NDF: 79.3/65

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -100.664+/-59.321 χ^2/NDF:84.0/59

All: -38.701+/-43.204 χ^2/NDF: 149.9/113



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: 535.953+/-0.110 χ^2/NDF: 15662903.2/34

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

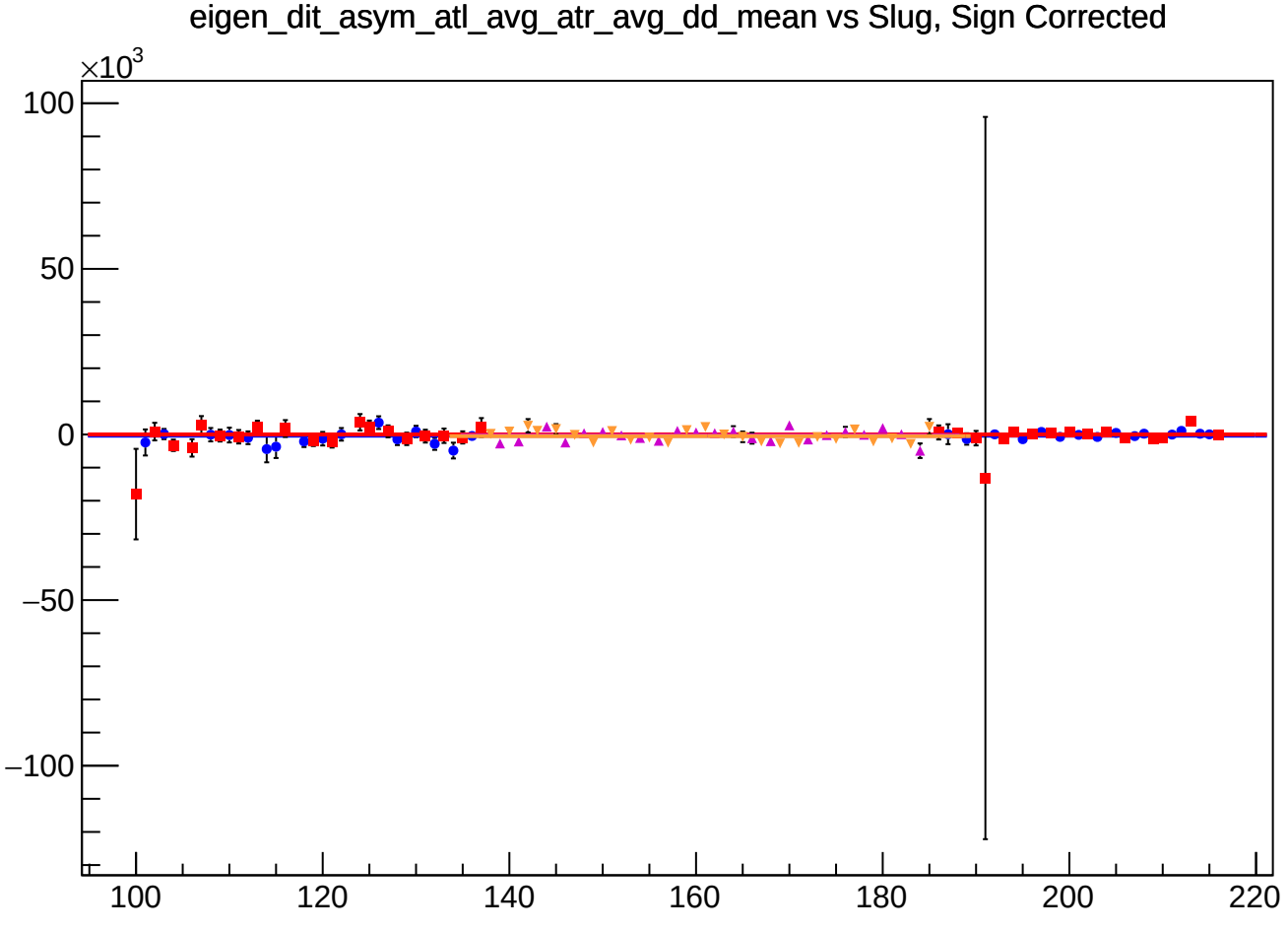
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 533.793+/-0.078 χ^2/NDF: 31071274.5/65

In: 317.452+/-0.045 χ^2/NDF:23869134.2/53

Out: 296.234+/-0.042 χ^2/NDF:27550051.3/59

All: 306.197+/-0.031 χ^2/NDF: 51539326.9/11



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: 11.619+/-292.872 χ^2/NDF: 31.8/34

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

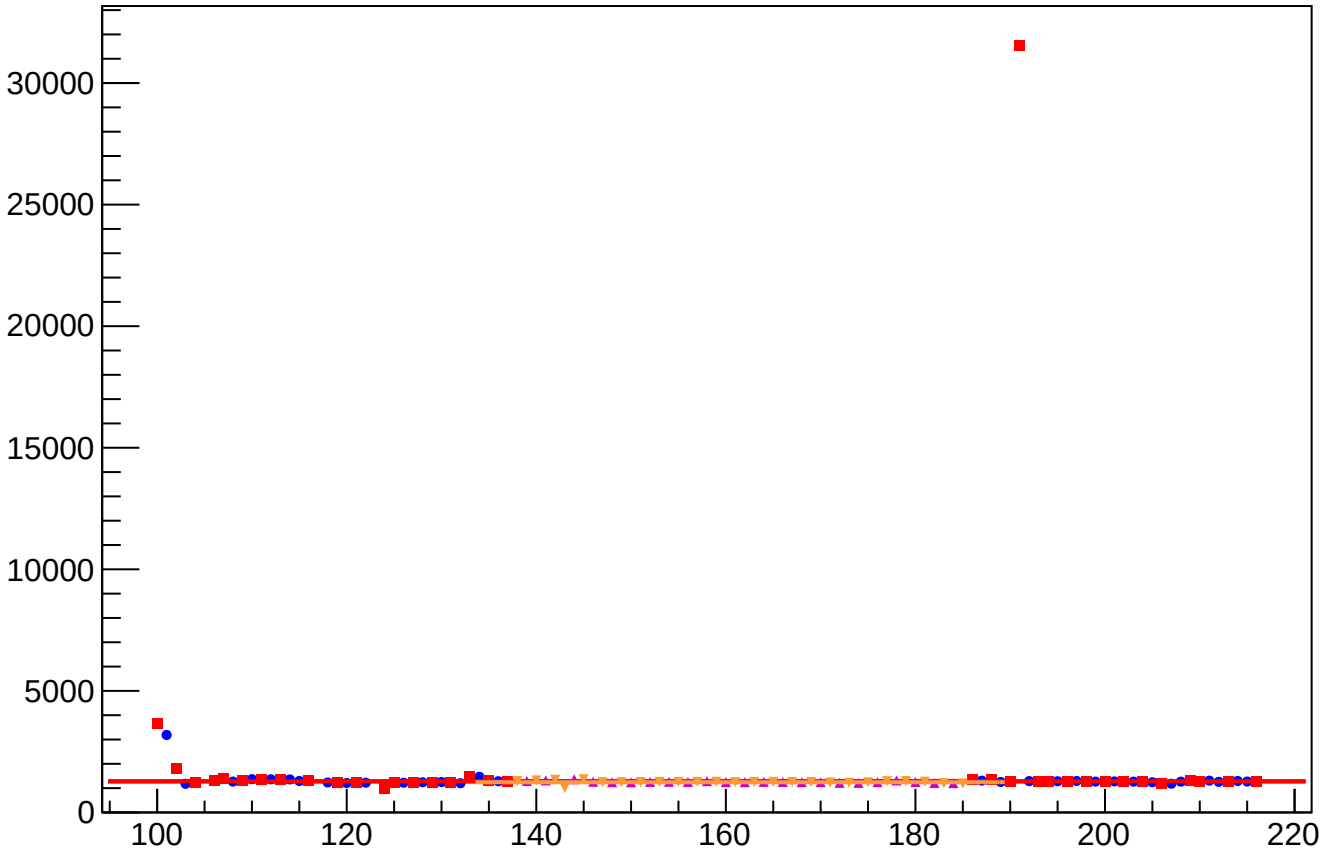
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -170.412+/-207.068 χ^2/NDF: 50.8/65

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -249.800+/-203.413 χ^2/NDF:67.6/59

All: -273.152+/-145.287 χ^2/NDF: 116.5/113



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: 1281.503+/-0.207 χ^2/NDF: 388326.4/34

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

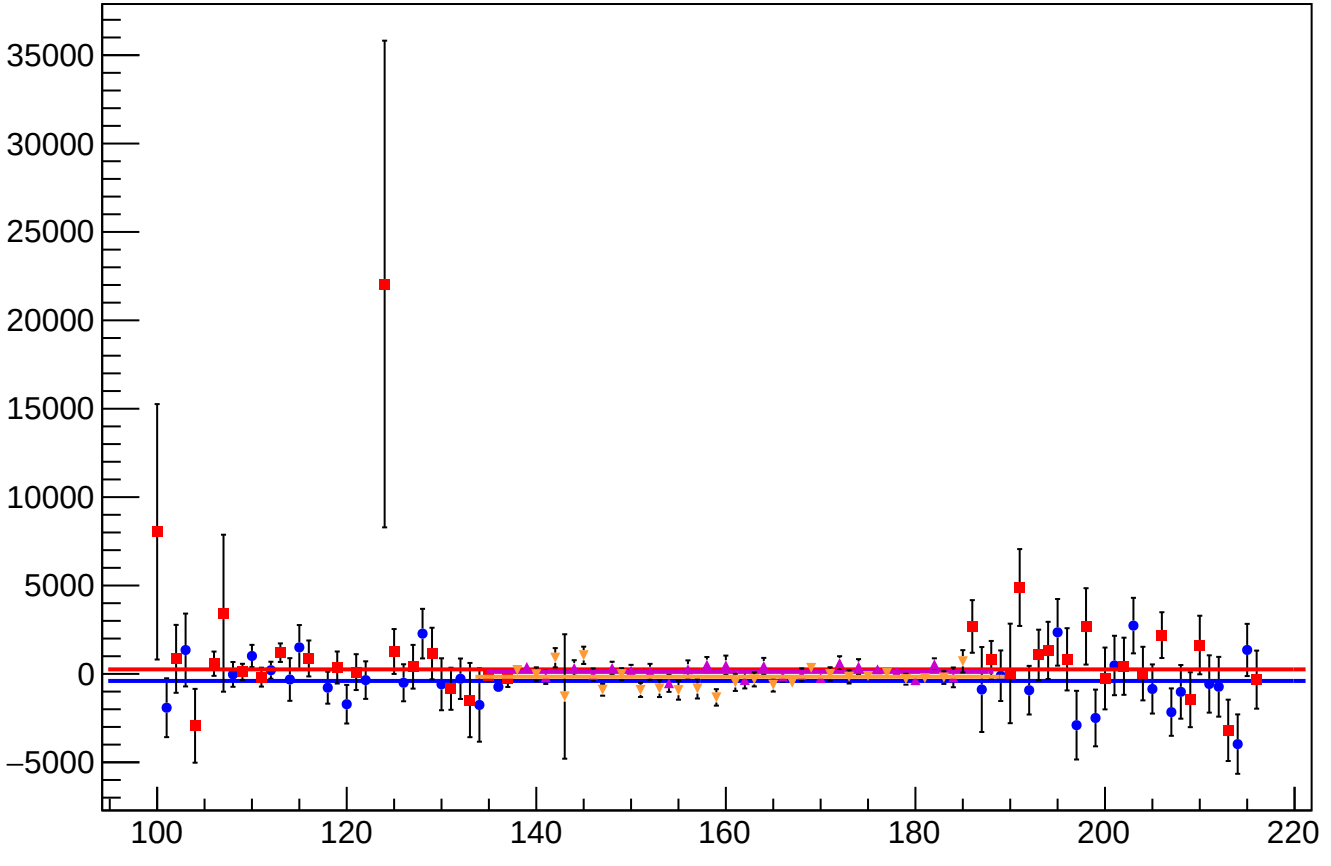
Right: 1279.153+/-0.146 χ^2/NDF: 915353.5/65

In: 1268.492+/-0.147 χ^2/NDF:557941.3/53

Out: 1261.335+/-0.144 χ^2/NDF:536671.7/59

All: 1264.841+/-0.103 χ^2/NDF: 1095825.9/11

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: 256.351+/-156.096 χ^2/NDF: 34.1/34

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

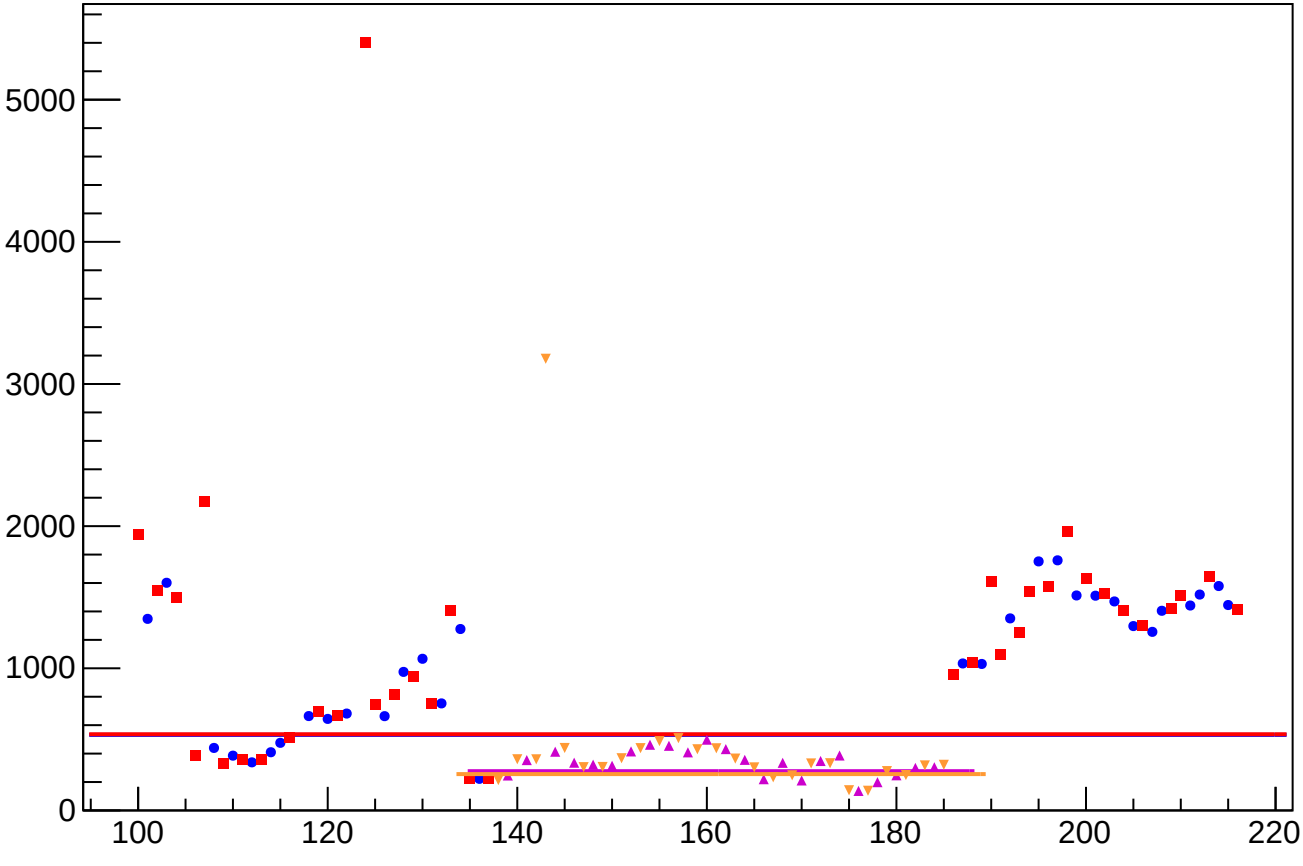
Right: -68.671+/-110.709 χ^2/NDF: 79.3/65

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -100.667+/-59.321 χ^2/NDF:84.0/59

All: -38.702+/-43.204 χ^2/NDF: 149.9/113

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: 535.963+/-0.110 χ^2/NDF: 15662571.9/34

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

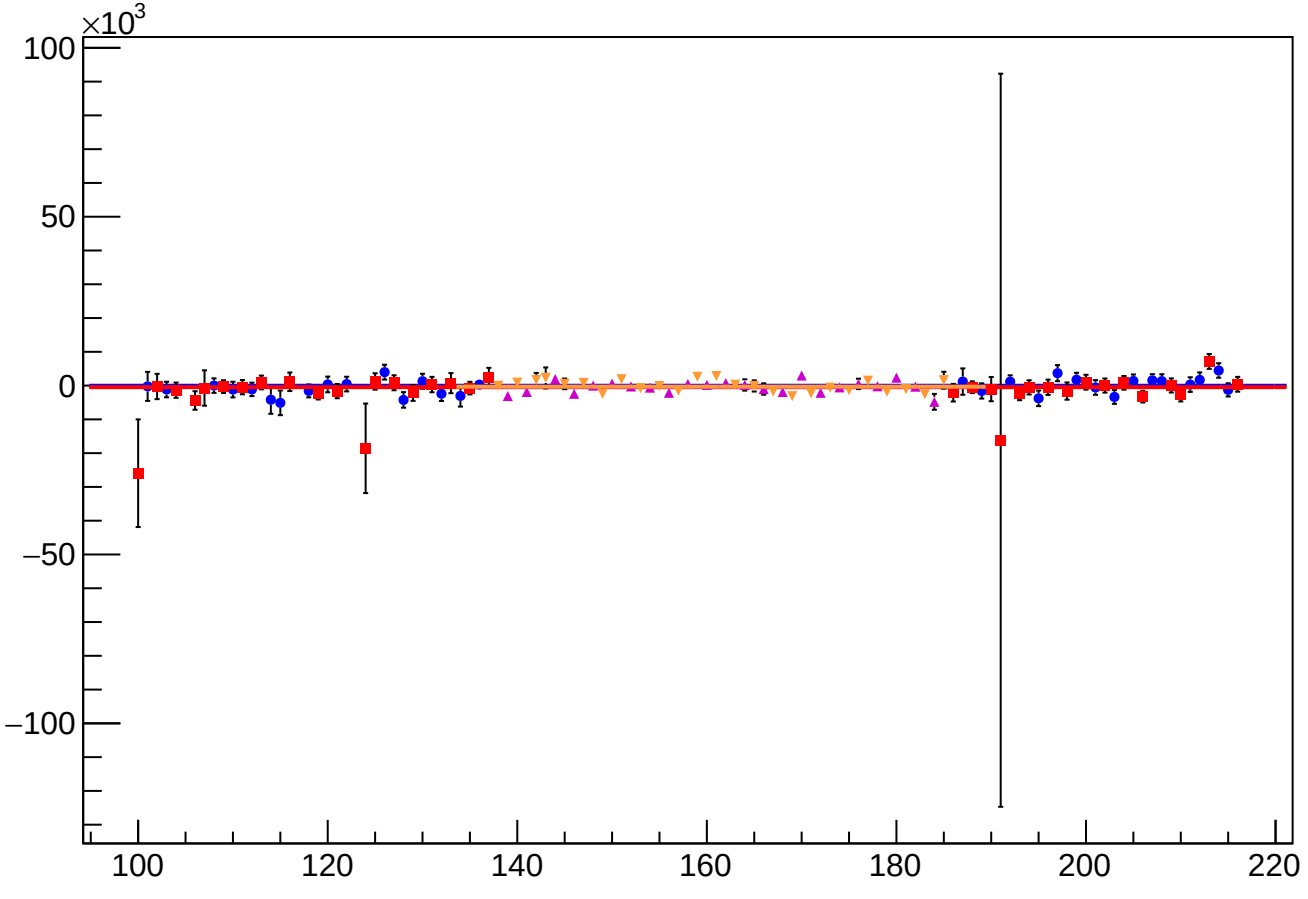
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 533.804+/-0.078 χ^2/NDF: 31070494.9/65

In: 317.453+/-0.045 χ^2/NDF:23868971.0/53

Out: 296.236+/-0.042 χ^2/NDF:27549849.7/59

All: 306.199+/-0.031 χ^2/NDF: 51538956.0/11



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: -467.927+/-397.010 χ^2/NDF: 29.3/34

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

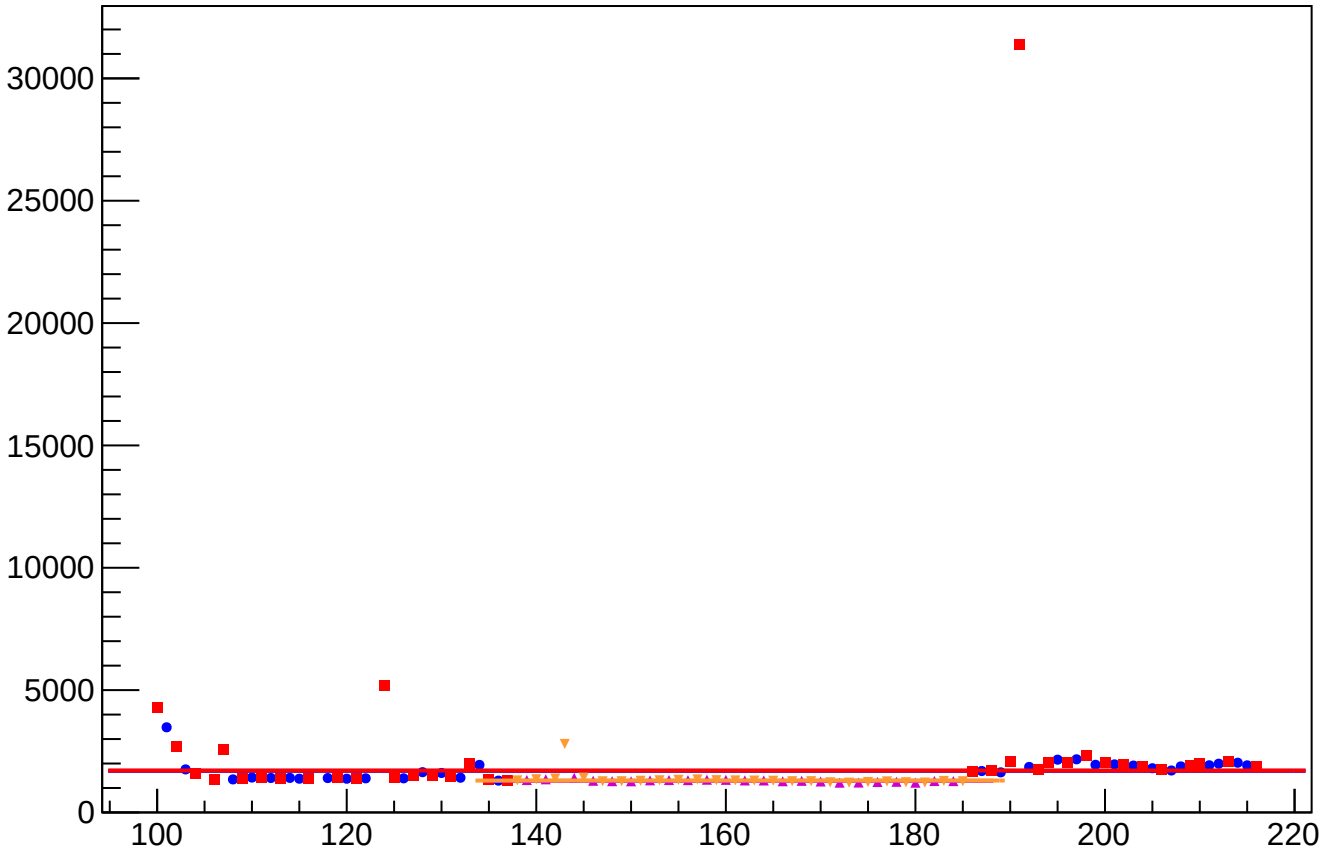
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -255.898+/-279.809 χ^2/NDF: 60.1/65

In: -241.950+/-239.735 χ^2/NDF:60.3/53

Out: -373.207+/-238.469 χ^2/NDF:61.0/59

All: -307.926+/-169.069 χ^2/NDF: 121.4/113



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: 1712.842+/-0.281 χ^2/NDF: 1518390.6/34

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

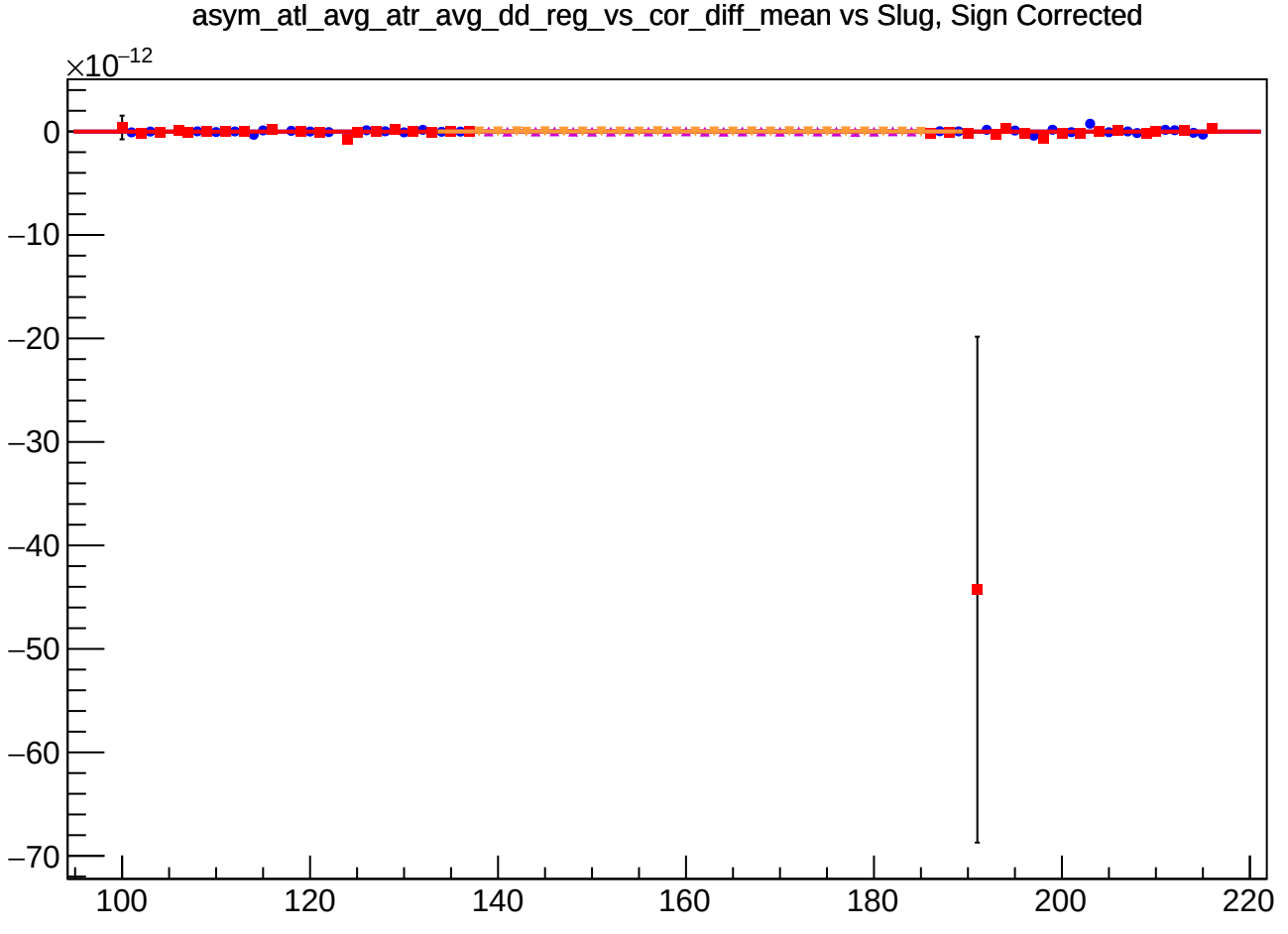
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1706.987+/-0.198 χ^2/NDF: 2799226.2/65

In: 1443.254+/-0.170 χ^2/NDF:2684952.3/53

Out: 1451.608+/-0.169 χ^2/NDF:3392713.2/59

All: 1447.453+/-0.120 χ^2/NDF: 6078886.2/11



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: 42.5/34

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

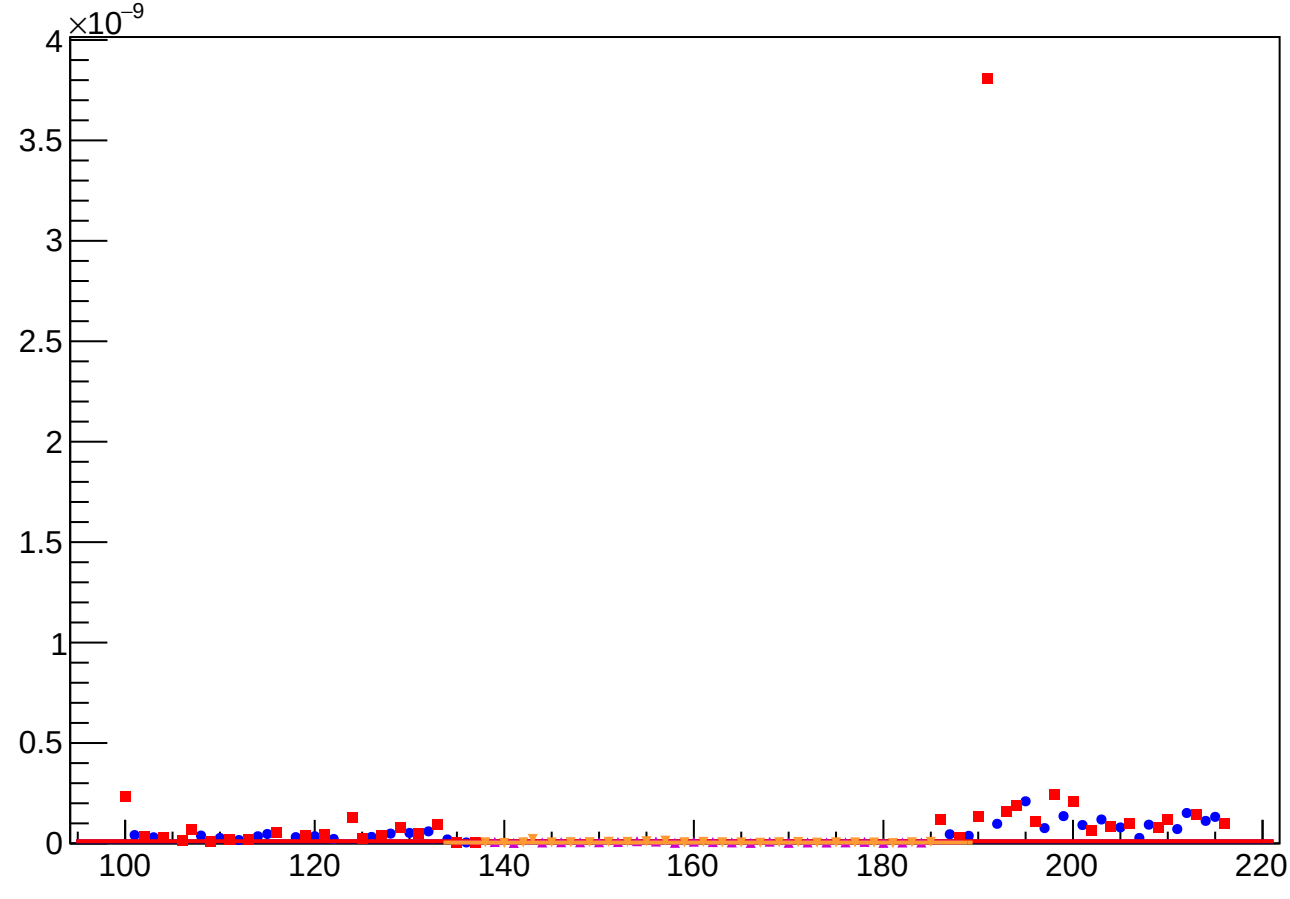
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 76.7/65

In: -0.000+/-0.000 χ^2/NDF:65.8/53

Out: -0.000+/-0.000 χ^2/NDF:69.5/59

All: -0.000+/-0.000 χ^2/NDF: 135.7/113



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: 11798540.9/34

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

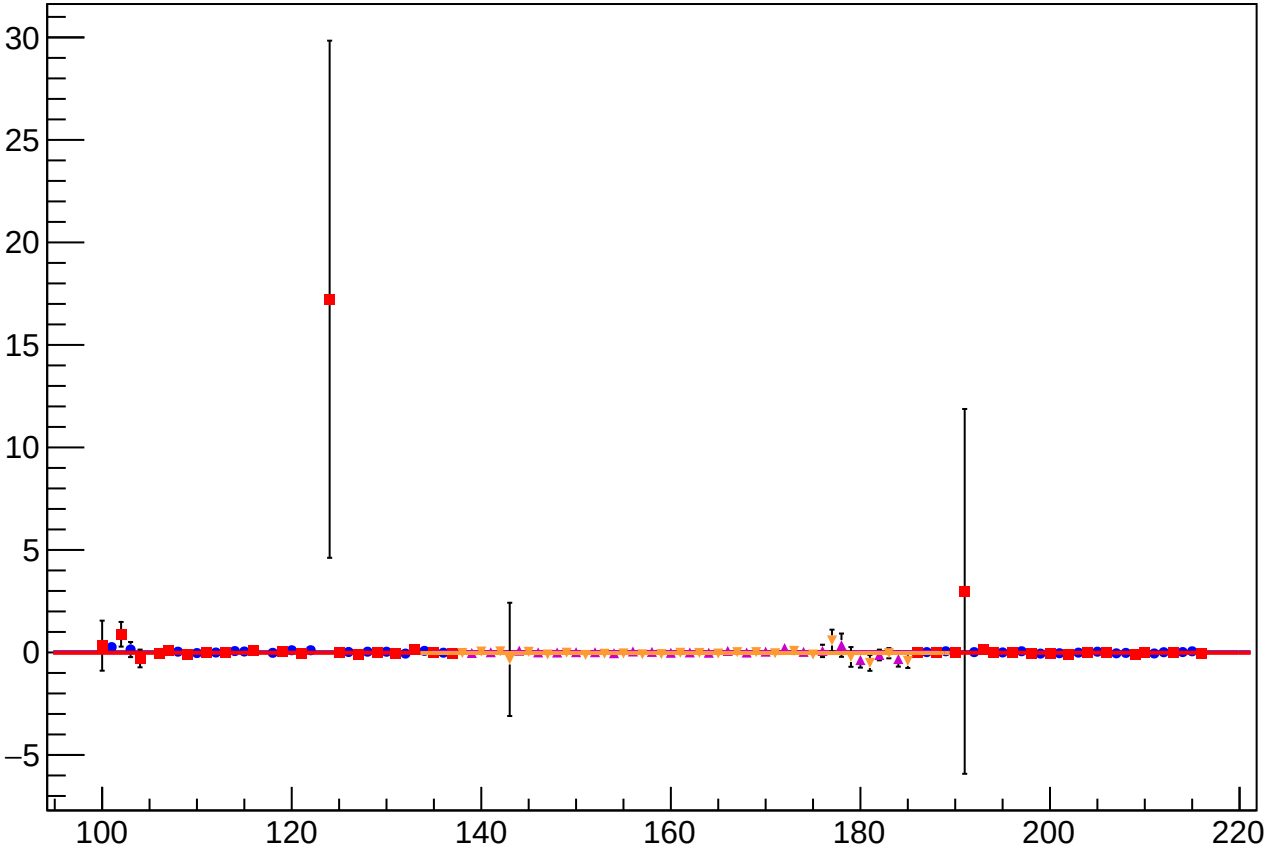
Right: 0.000+/-0.000 χ^2/NDF: 22023175.2/65

In: 0.000+/-0.000 χ^2/NDF:13293983.0/53

Out: 0.000+/-0.000 χ^2/NDF:15867825.6/59

All: 0.000+/-0.000 χ^2/NDF: 29193300.1/113

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: -0.014+/-0.011 χ^2/NDF: 27.0/34

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

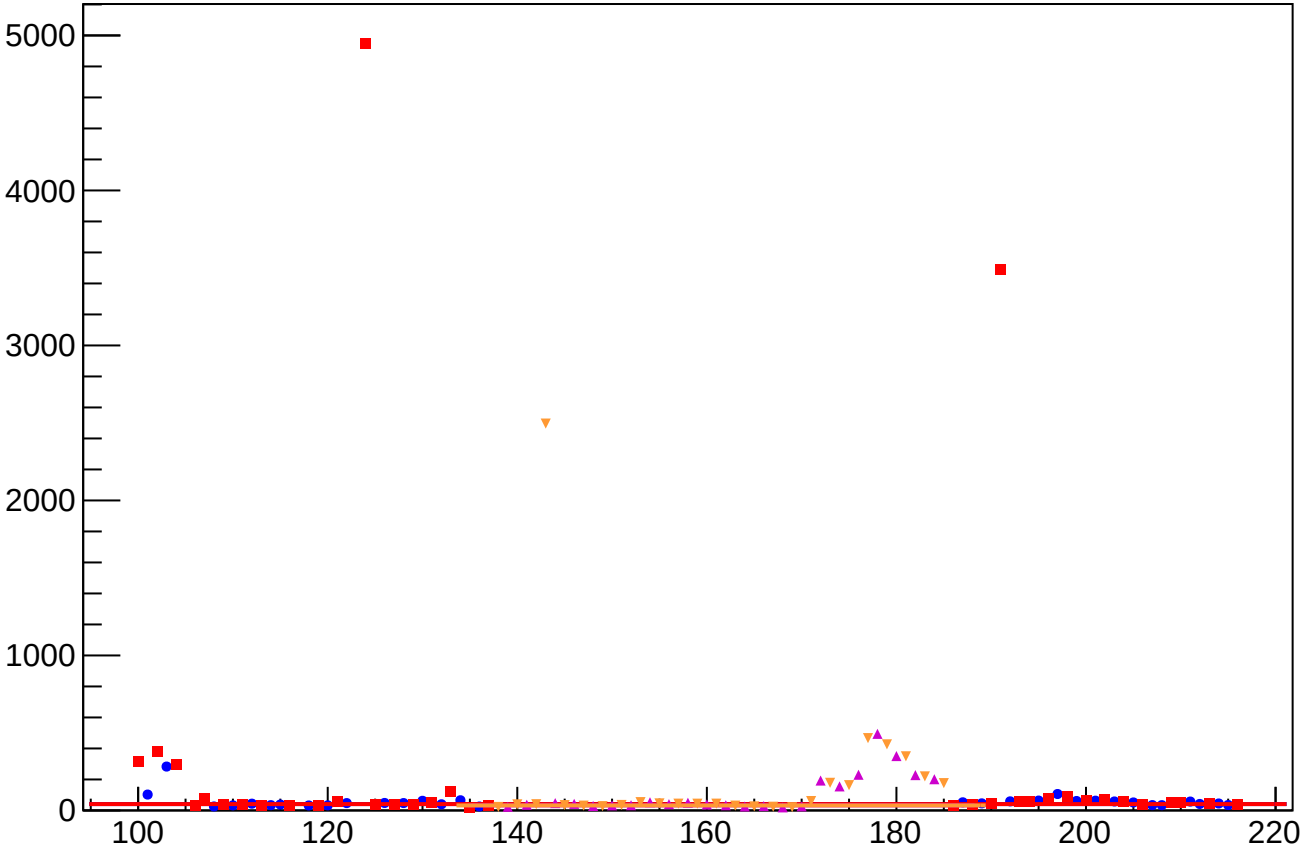
Right: -0.003+/-0.008 χ^2/NDF: 48.0/65

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/59

All: -0.006+/-0.005 χ^2/NDF: 97.9/113

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: 41.063+/-0.008 χ^2/NDF: 5538206.4/34

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

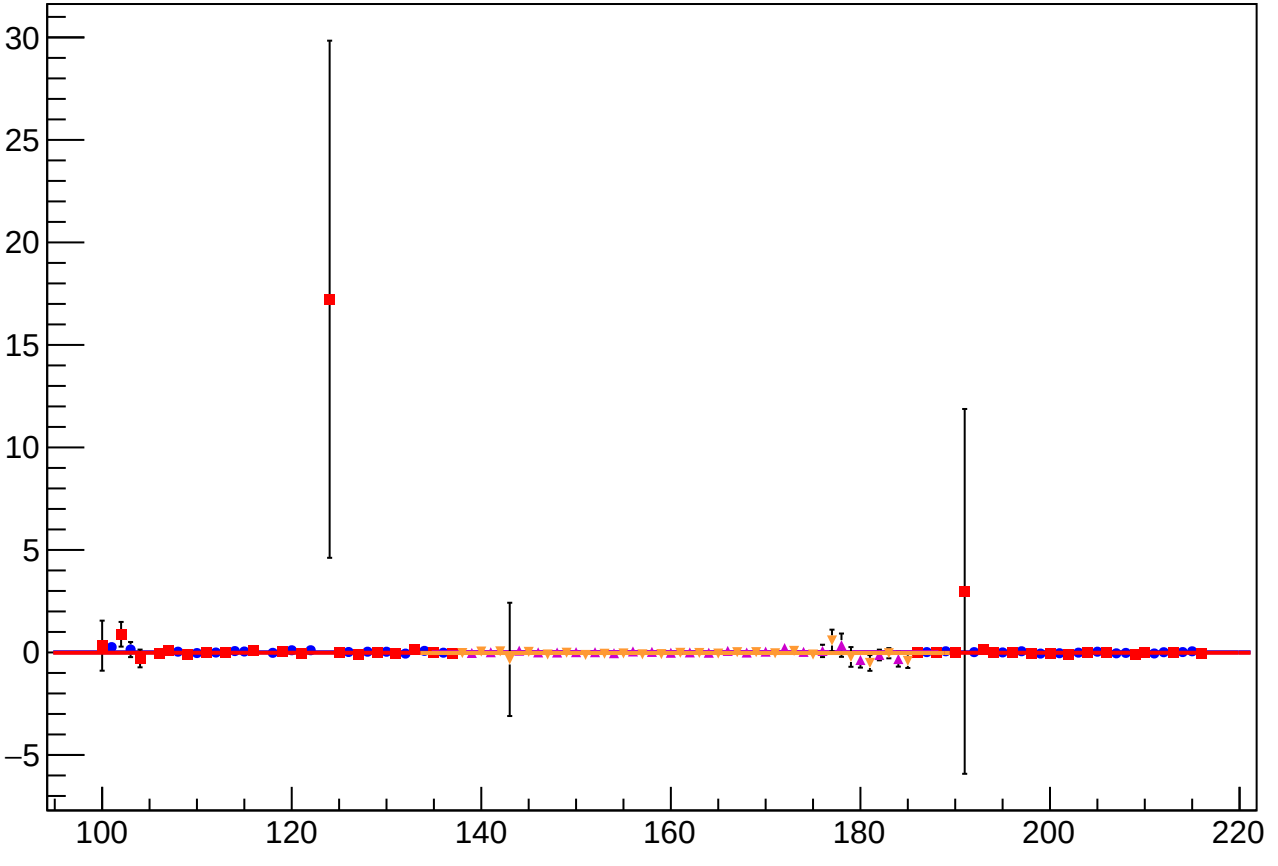
Right: 41.139+/-0.005 χ^2/NDF: 9853527.3/65

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.301+/-0.005 χ^2/NDF:17114937.2/59

All: 36.398+/-0.004 χ^2/NDF: 31099511.6/113

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: -0.014+/-0.011 χ^2/NDF: 27.0/34

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

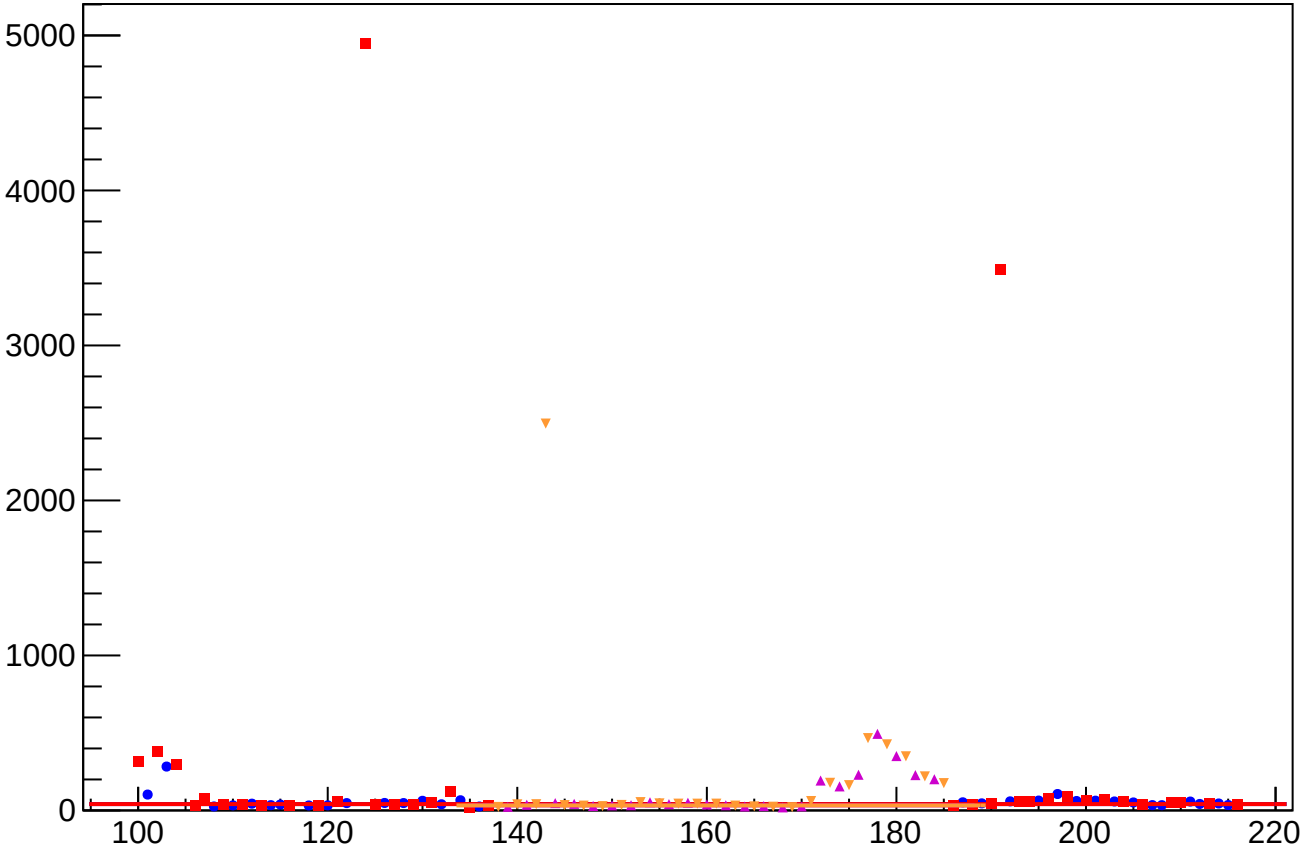
Right: -0.003+/-0.008 χ^2/NDF: 48.0/65

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/59

All: -0.006+/-0.005 χ^2/NDF: 97.9/113

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: 41.063+/-0.008 χ^2/NDF: 5538206.4/34

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

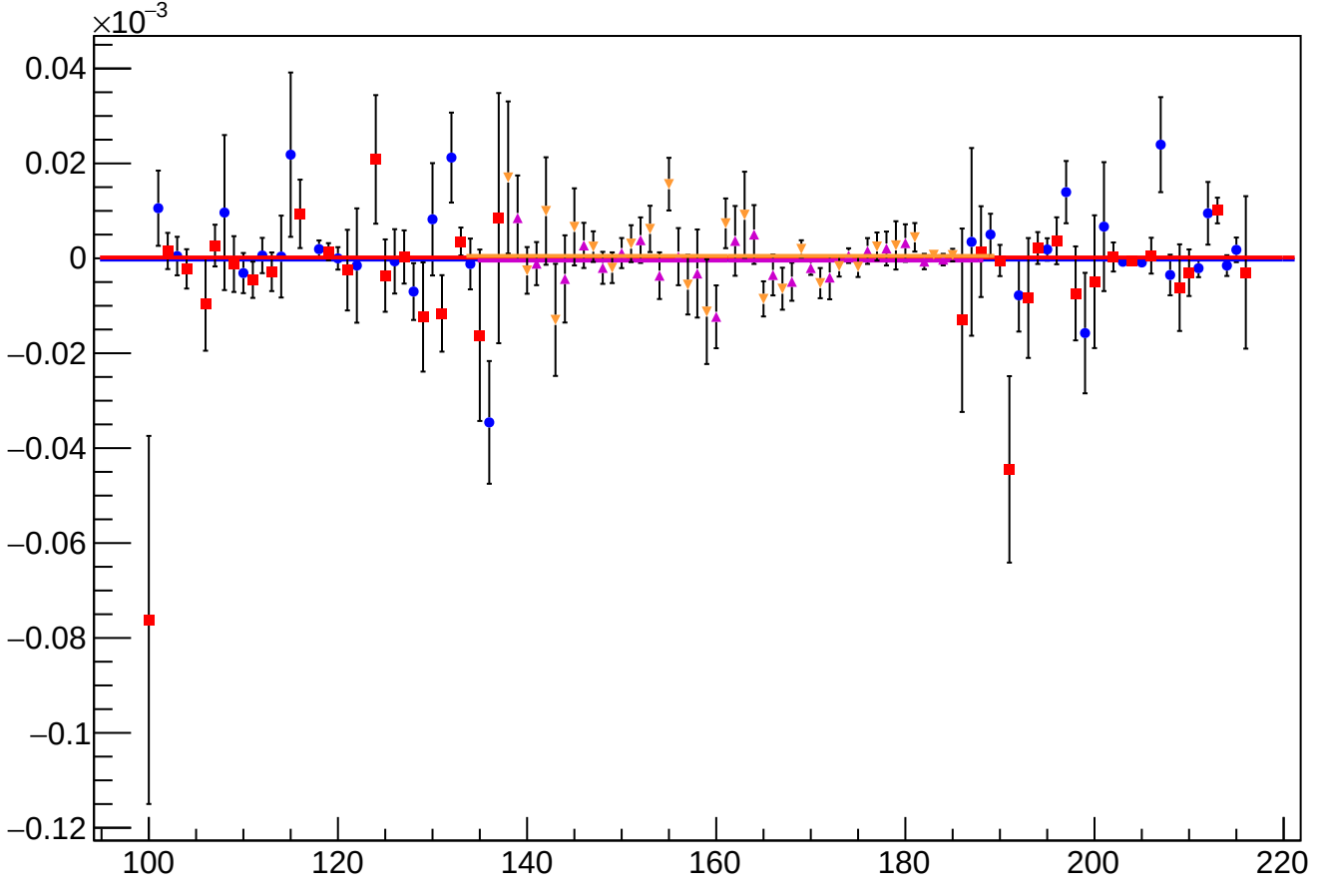
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.139+/-0.005 χ^2/NDF: 9853527.3/65

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.301+/-0.005 χ^2/NDF:17114937.2/59

All: 36.398+/-0.004 χ^2/NDF: 31099511.6/113



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: 40.9/34

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

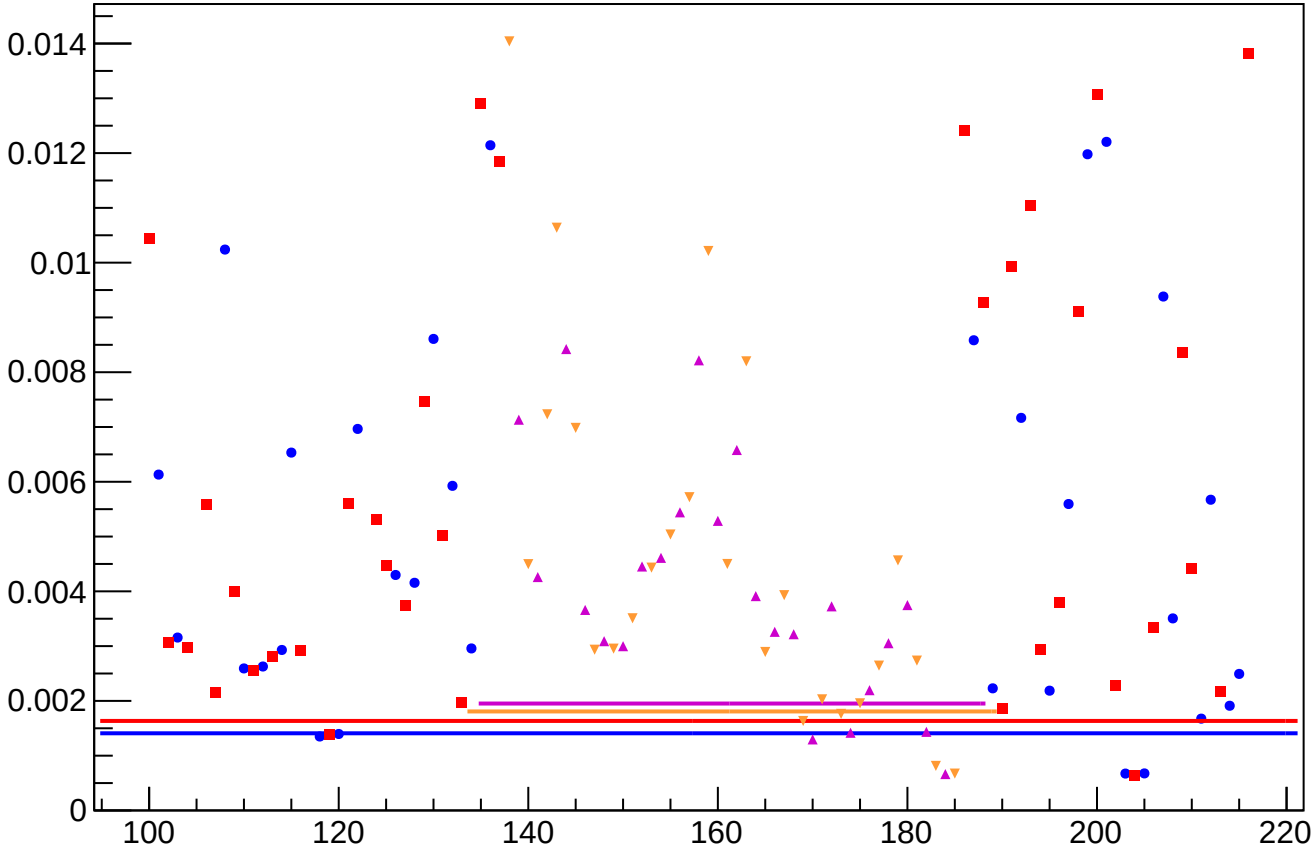
Right: -0.000+/-0.000 χ^2/NDF: 82.1/65

In: -0.000+/-0.000 χ^2/NDF:54.6/53

Out: 0.000+/-0.000 χ^2/NDF:76.8/59

All: -0.000+/-0.000 χ^2/NDF: 133.0/113

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: 18433235.9/34

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

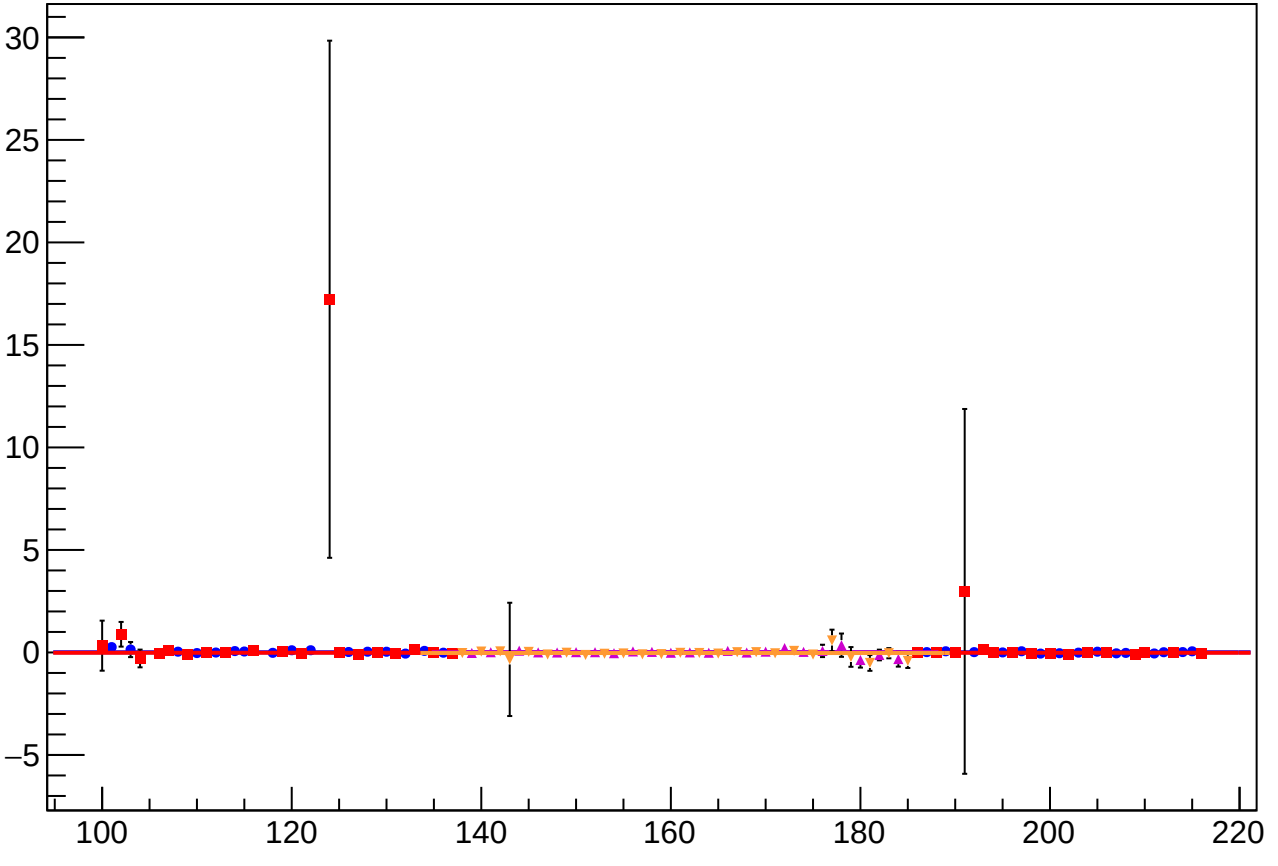
Right: 0.002+/-0.000 χ^2/NDF: 35930292.6/65

In: 0.002+/-0.000 χ^2/NDF:29815586.4/53

Out: 0.002+/-0.000 χ^2/NDF:33474983.7/59

All: 0.002+/-0.000 χ^2/NDF: 63359157.6/113

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: -0.014+/-0.011 χ^2/NDF: 27.0/34

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

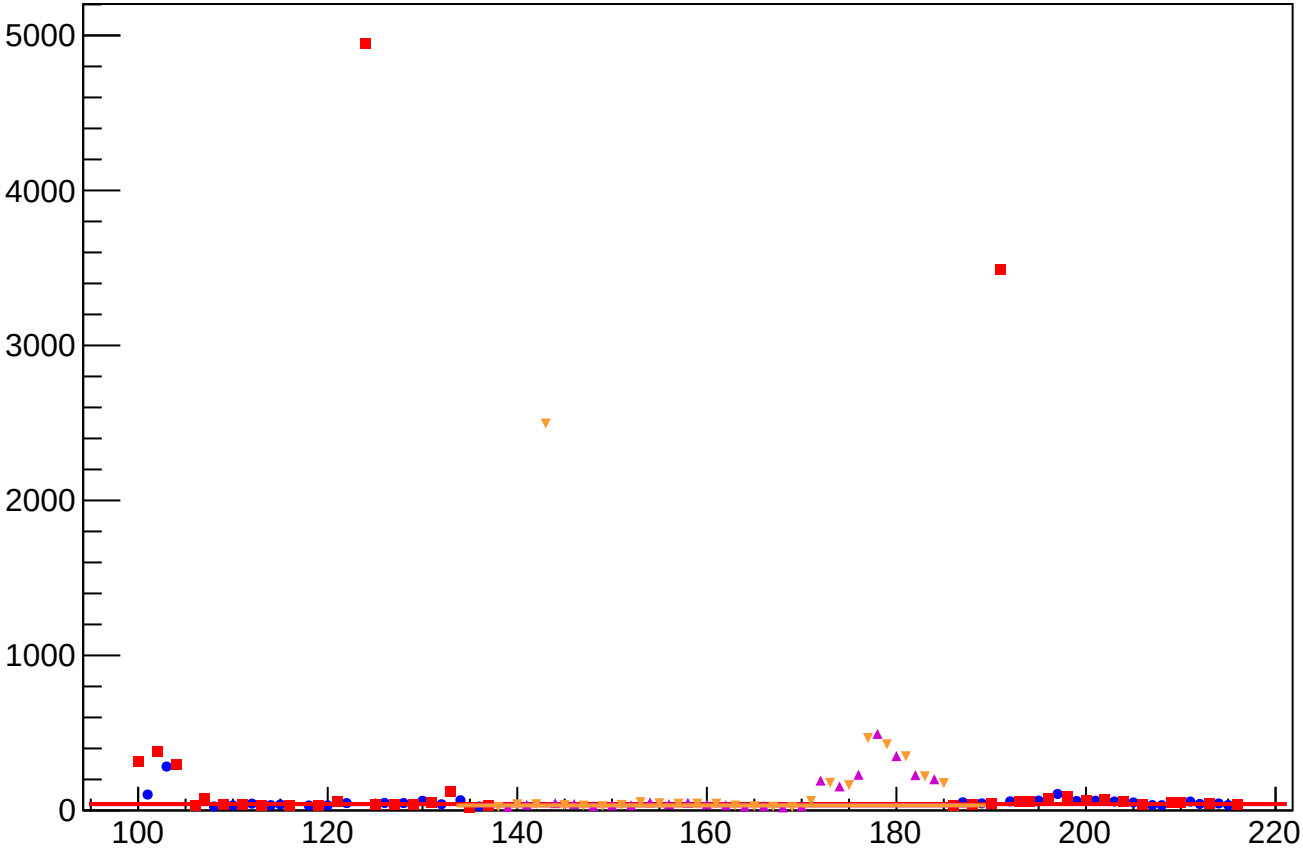
Right: -0.003+/-0.008 χ^2/NDF: 48.0/65

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/59

All: -0.006+/-0.005 χ^2/NDF: 97.9/113

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: 41.063+/-0.008 χ^2/NDF: 5538028.1/34

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

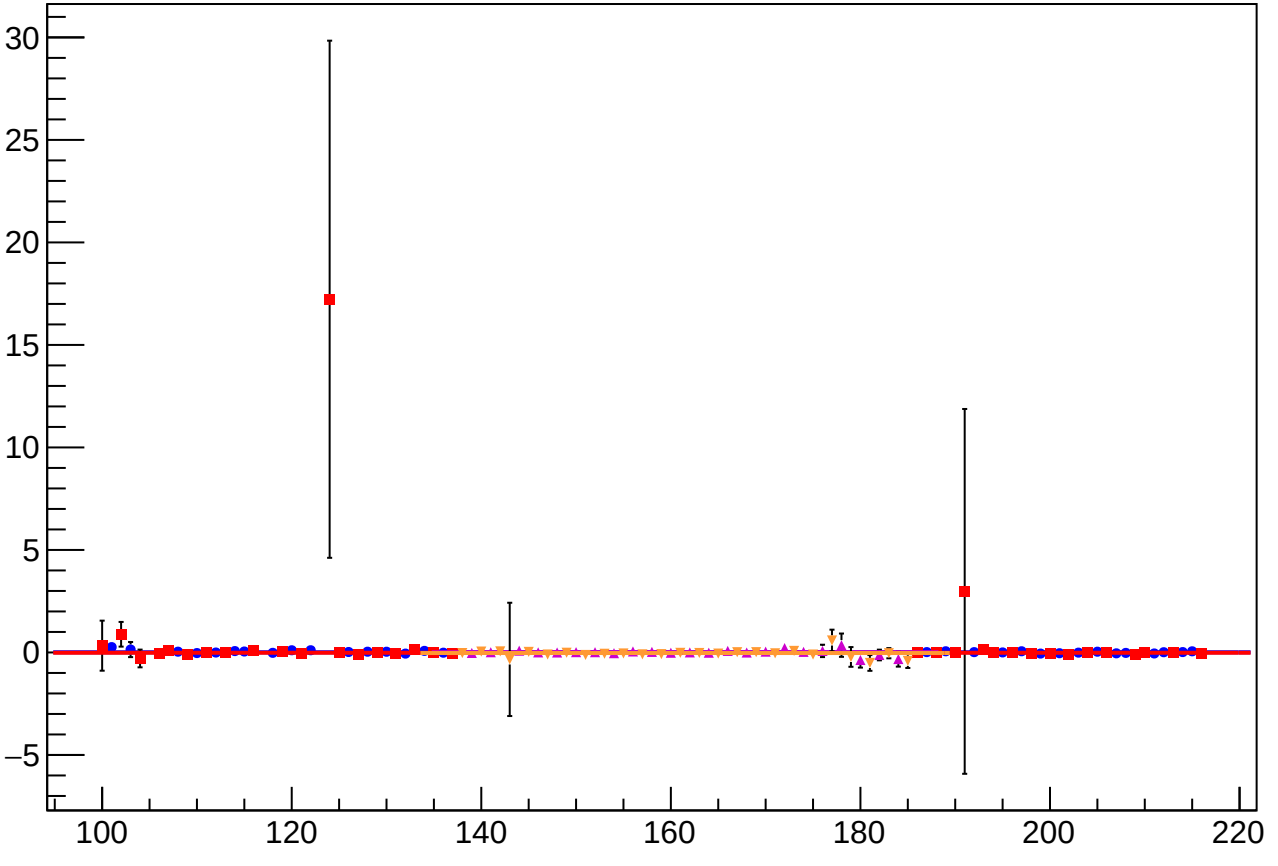
Right: 41.139+/-0.005 χ^2/NDF: 9852986.8/65

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.301+/-0.005 χ^2/NDF:17115029.9/59

All: 36.397+/-0.004 χ^2/NDF: 31100137.4/113

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: -0.014+/-0.011 χ^2/NDF: 27.0/34

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

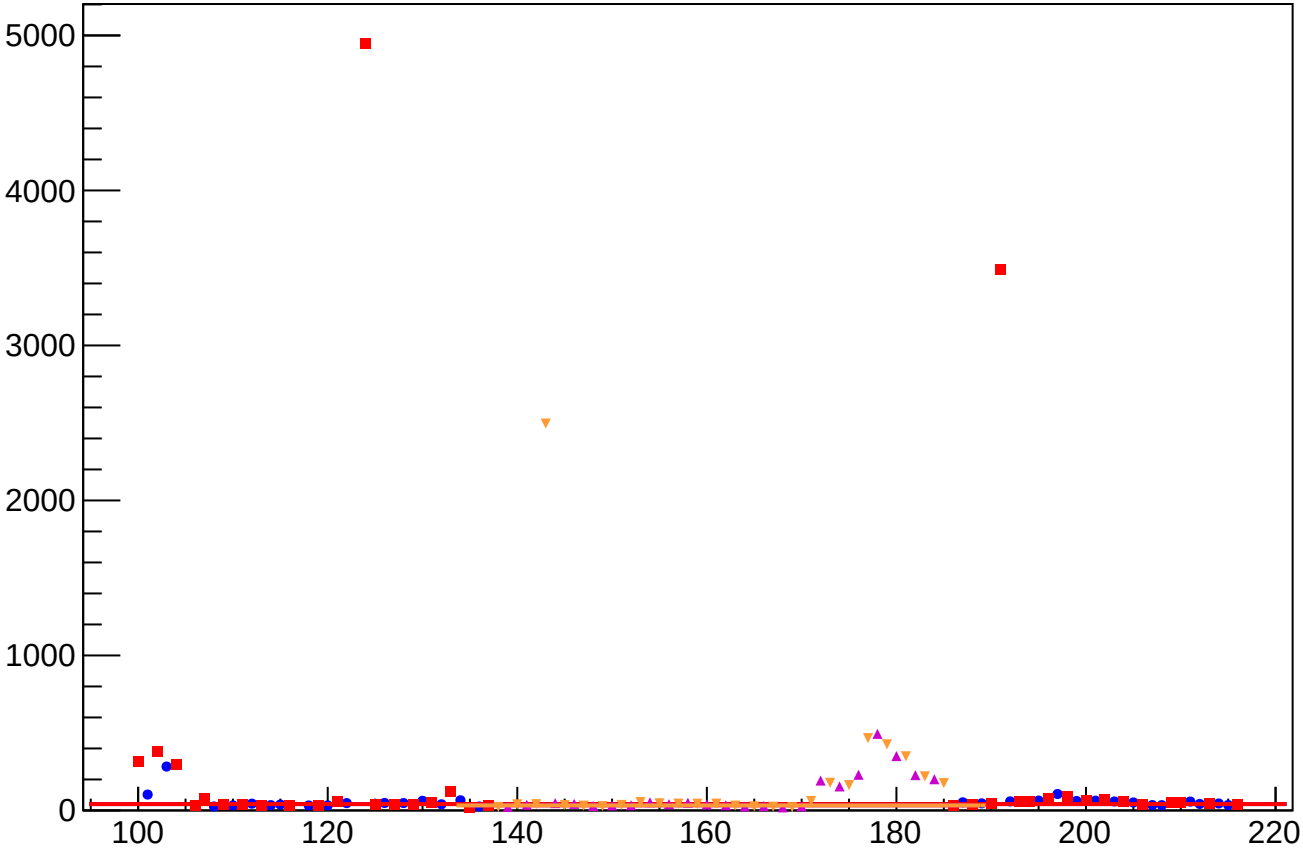
Right: -0.003+/-0.008 χ^2/NDF: 48.0/65

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/59

All: -0.006+/-0.005 χ^2/NDF: 97.9/113

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: 41.063+/-0.008 χ^2/NDF: 5538028.1/34

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

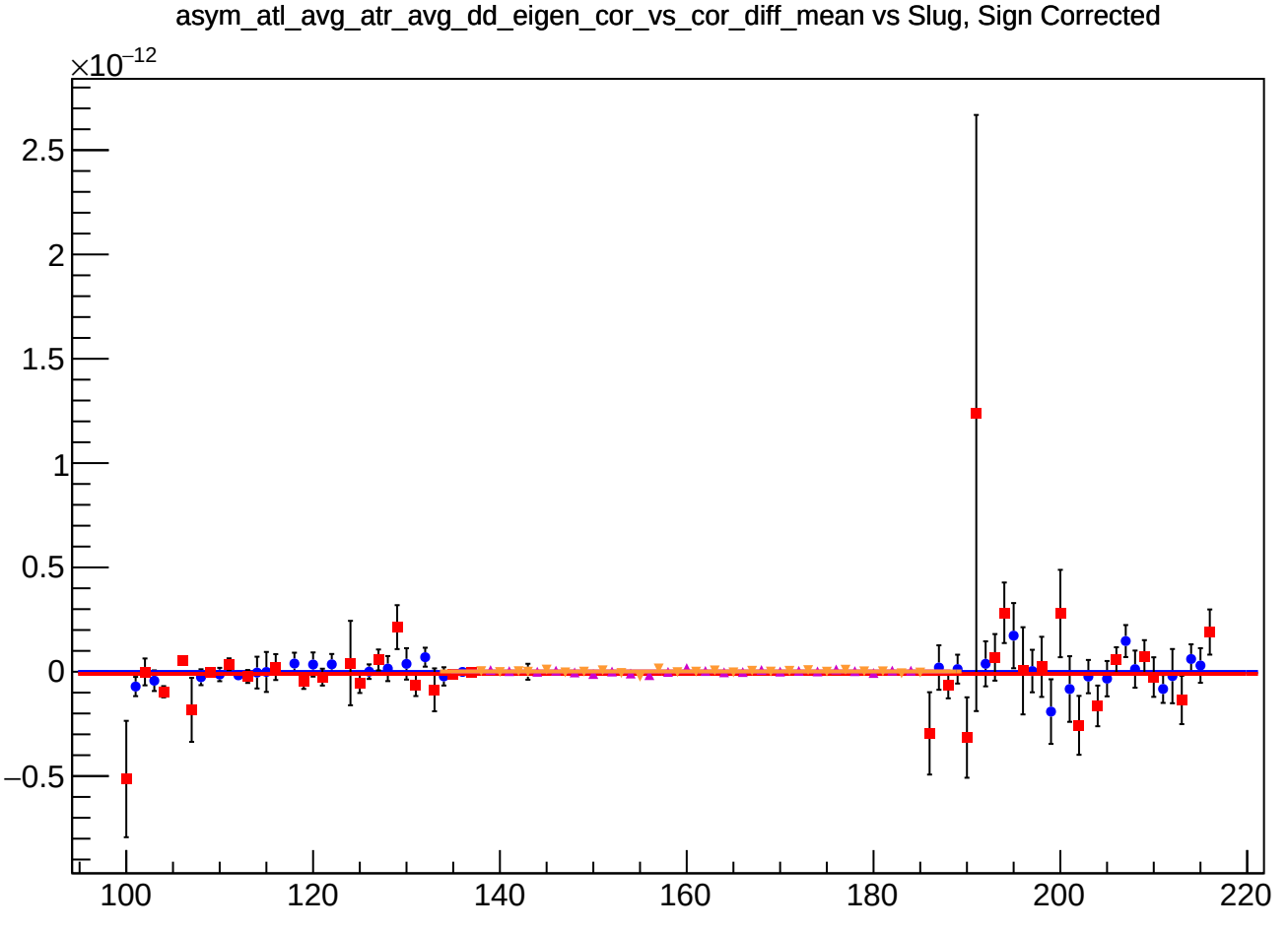
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.139+/-0.005 χ^2/NDF: 9852986.8/65

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.301+/-0.005 χ^2/NDF:17115029.9/59

All: 36.397+/-0.004 χ^2/NDF: 31100137.4/113



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: 64.9/34

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

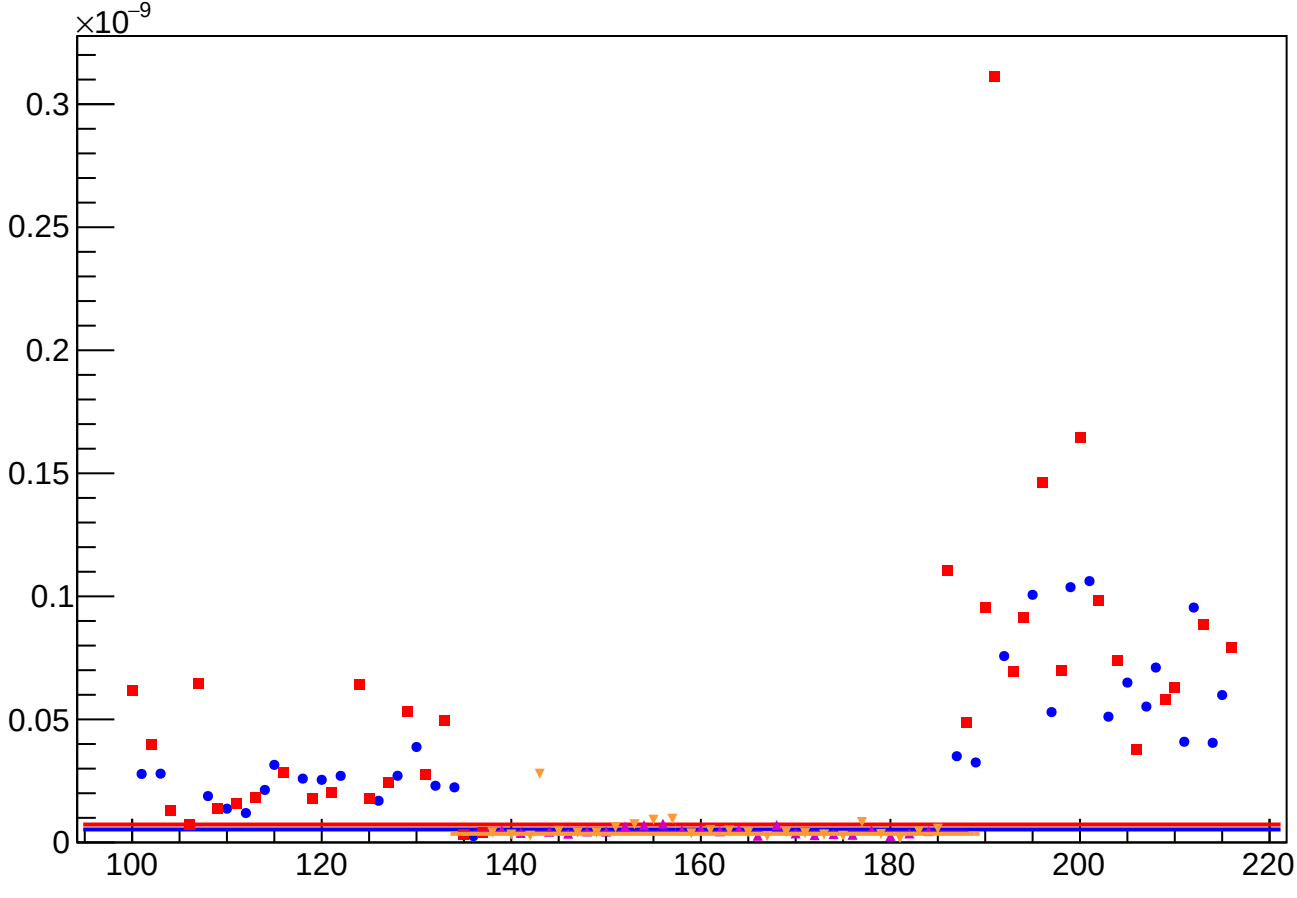
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 86.0/65

In: 0.000+/-0.000 χ^2/NDF:47.3/53

Out: 0.000+/-0.000 χ^2/NDF:90.4/59

All: 0.000+/-0.000 χ^2/NDF: 137.8/113



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: 16298543.2/34

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

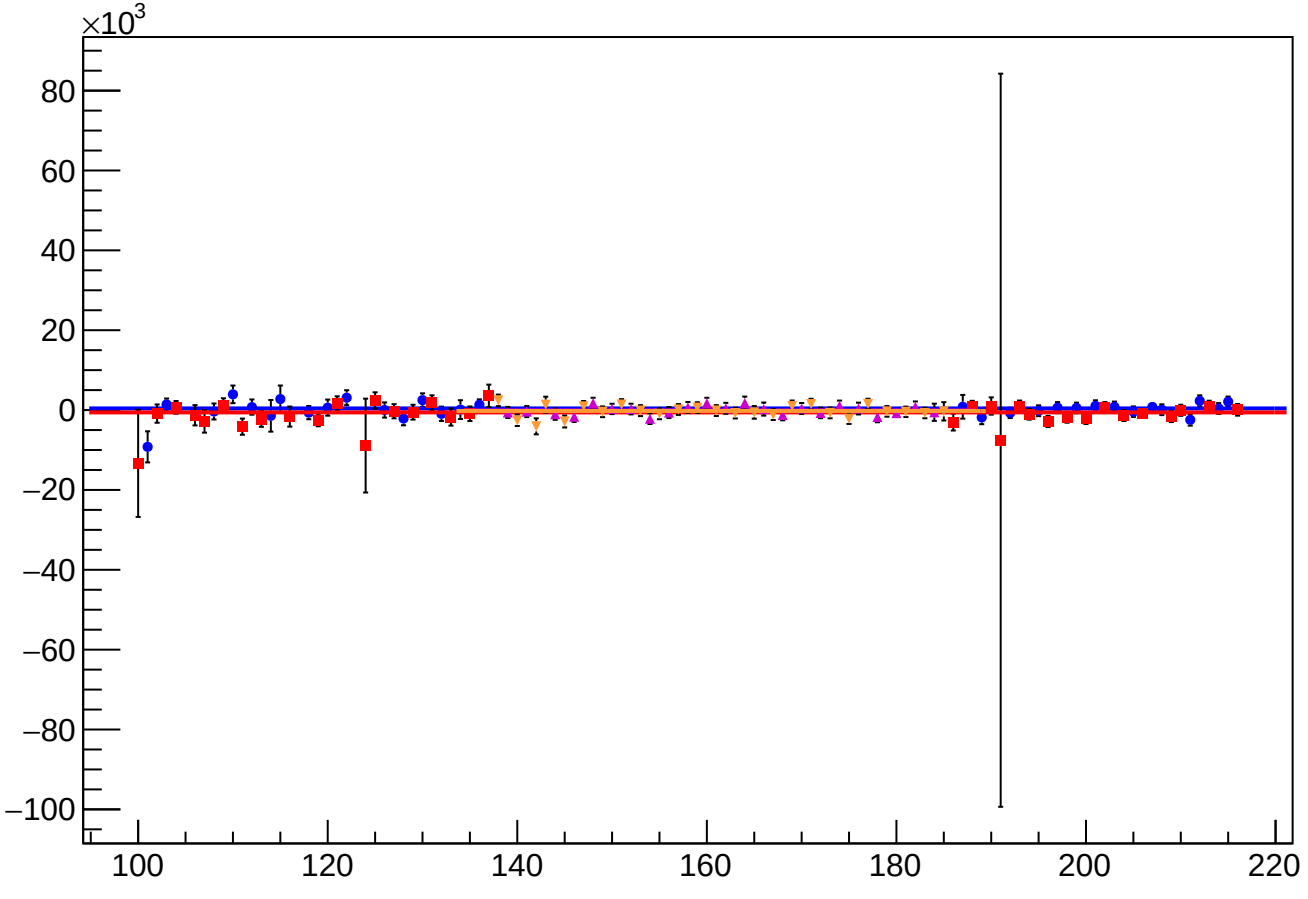
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 32480359.9/65

In: 0.000+/-0.000 χ^2/NDF:18237421.7/53

Out: 0.000+/-0.000 χ^2/NDF:22572782.2/59

All: 0.000+/-0.000 χ^2/NDF: 40940656.0/113



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: -583.776+/-290.120 χ^2/NDF: 29.7/34

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

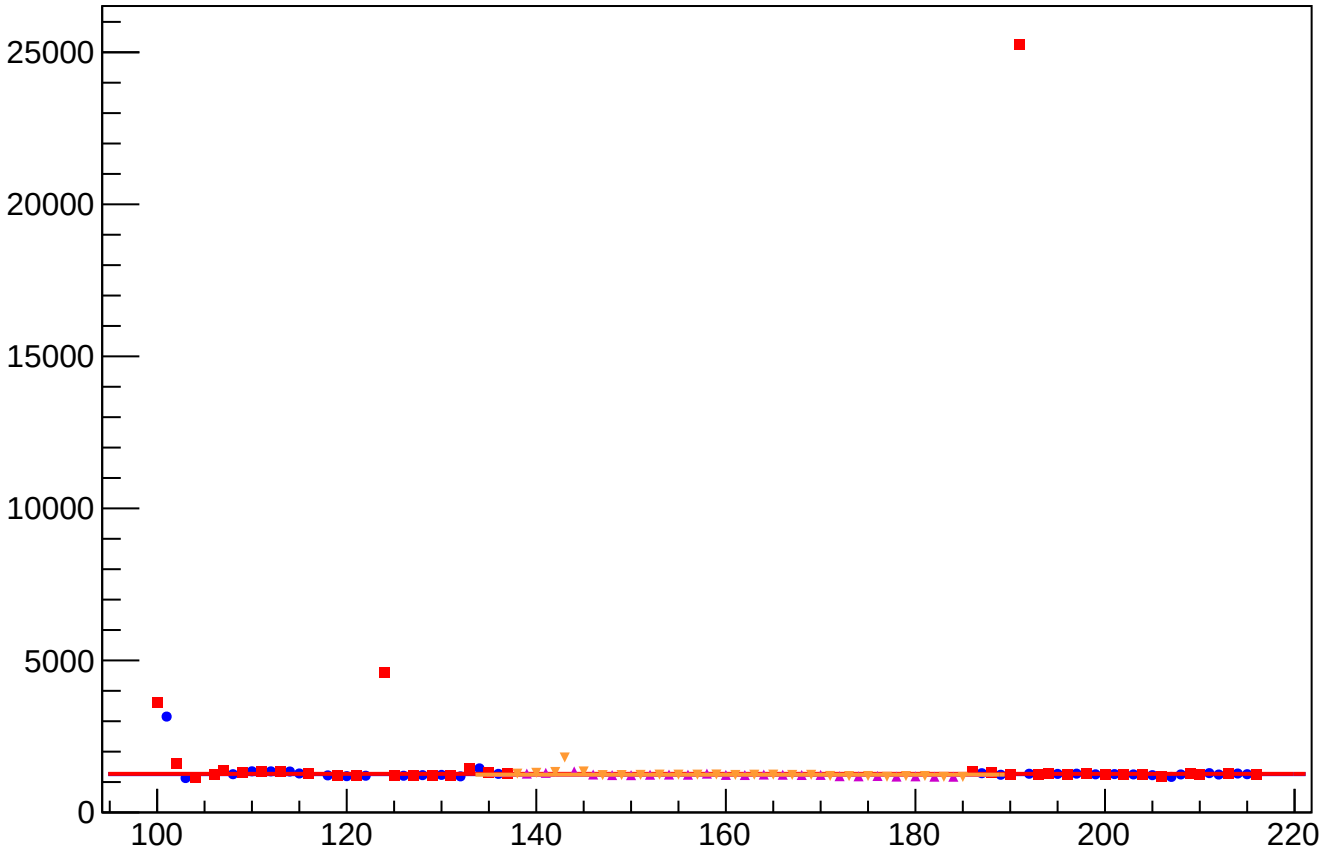
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -84.086+/-204.733 χ^2/NDF: 63.8/65

In: 158.955+/-204.061 χ^2/NDF:44.4/53

Out: -397.774+/-202.602 χ^2/NDF:54.4/59

All: -121.407+/-143.774 χ^2/NDF: 102.6/113



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: 1269.614+/-0.205 χ^2/NDF: 487009.9/34

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

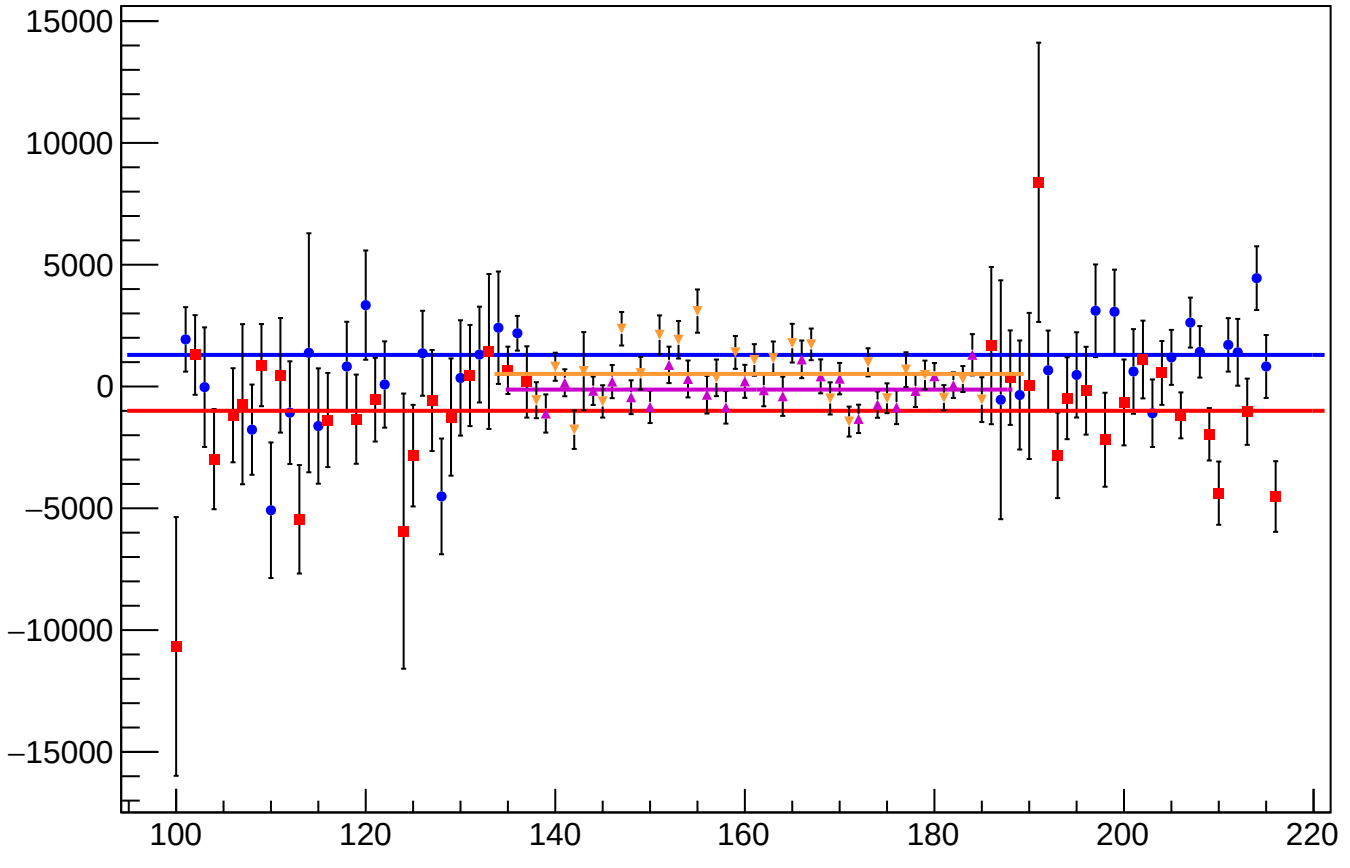
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1264.748+/-0.145 χ^2/NDF: 1023786.5/65

In: 1246.803+/-0.144 χ^2/NDF:583159.8/53

Out: 1255.889+/-0.143 χ^2/NDF:699045.6/59

All: 1251.379+/-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: -997.266+/-290.822 χ^2/NDF: 40.7/34

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

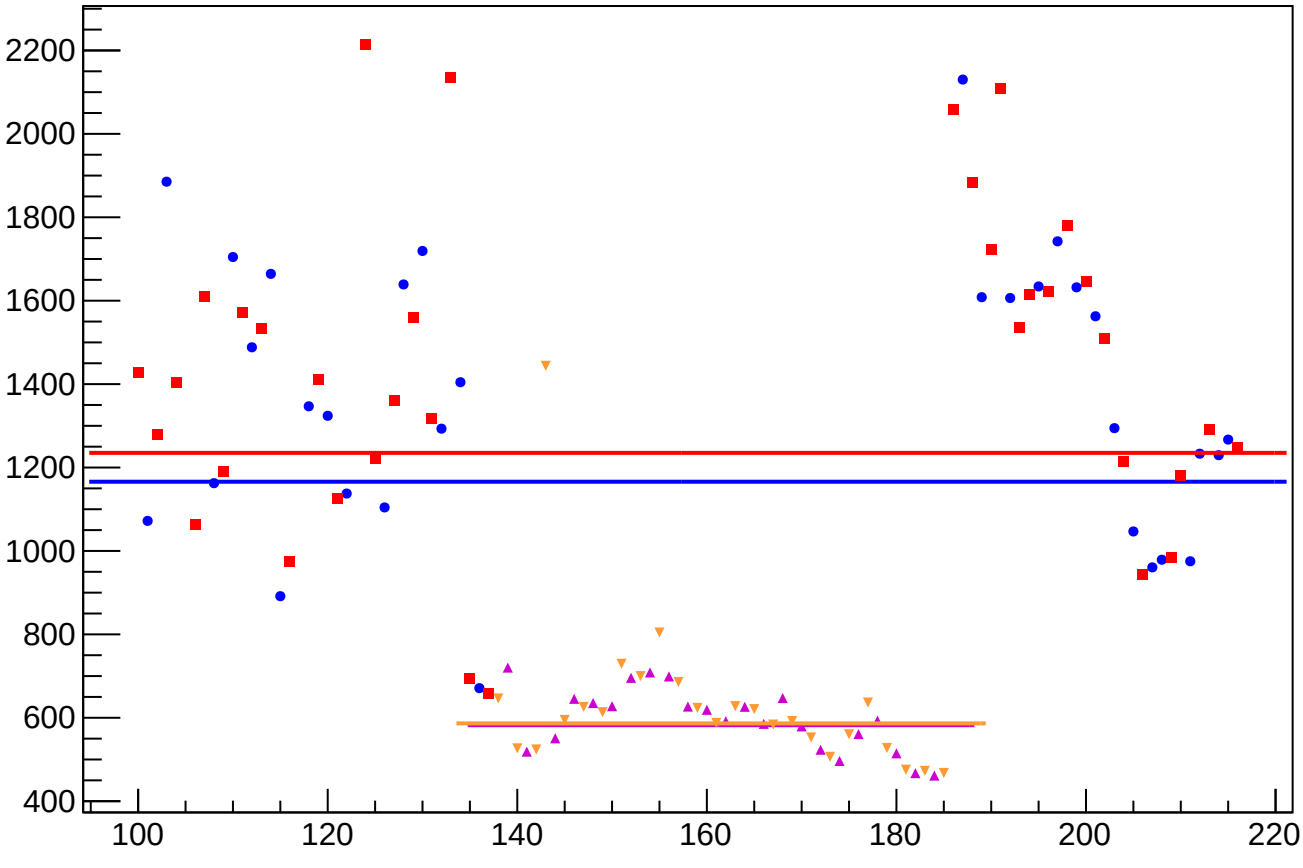
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 208.848+/-200.316 χ^2/NDF: 107.9/65

In: 155.334+/-122.933 χ^2/NDF:77.4/53

Out: 245.934+/-123.006 χ^2/NDF:130.0/59

All: 200.607+/-86.952 χ^2/NDF: 207.6/113



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: 1235.161+/-0.206 χ^2/NDF: 2737889.9/34

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

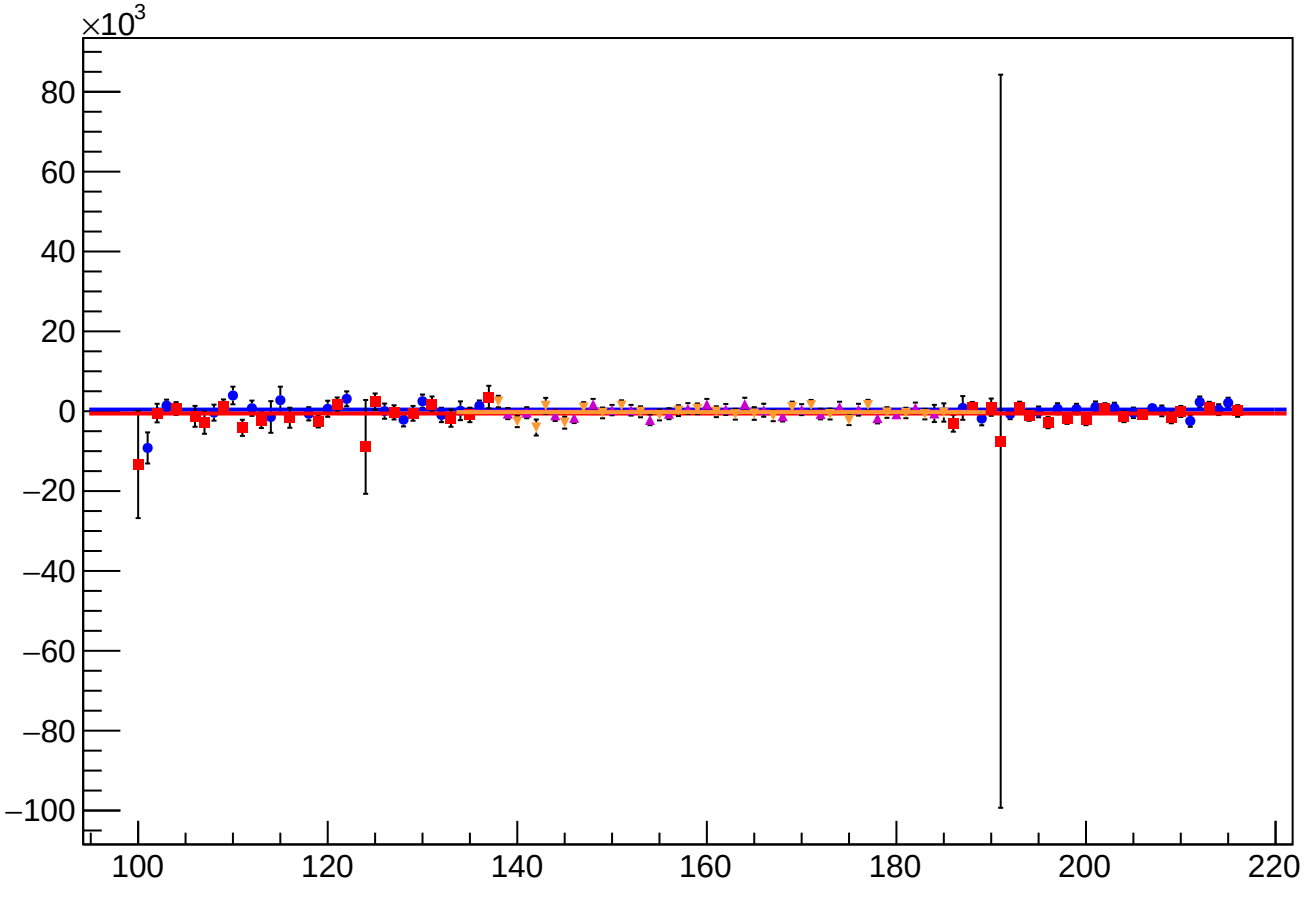
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1198.798+/-0.142 χ^2/NDF: 5504874.2/65

In: 697.744+/-0.087 χ^2/NDF:10427132.1/53

Out: 702.590+/-0.087 χ^2/NDF:12109146.1/59

All: 700.165+/-0.061 χ^2/NDF: 22537831.2/11



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: -576.384+/-290.300 χ^2/NDF: 29.7/34

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

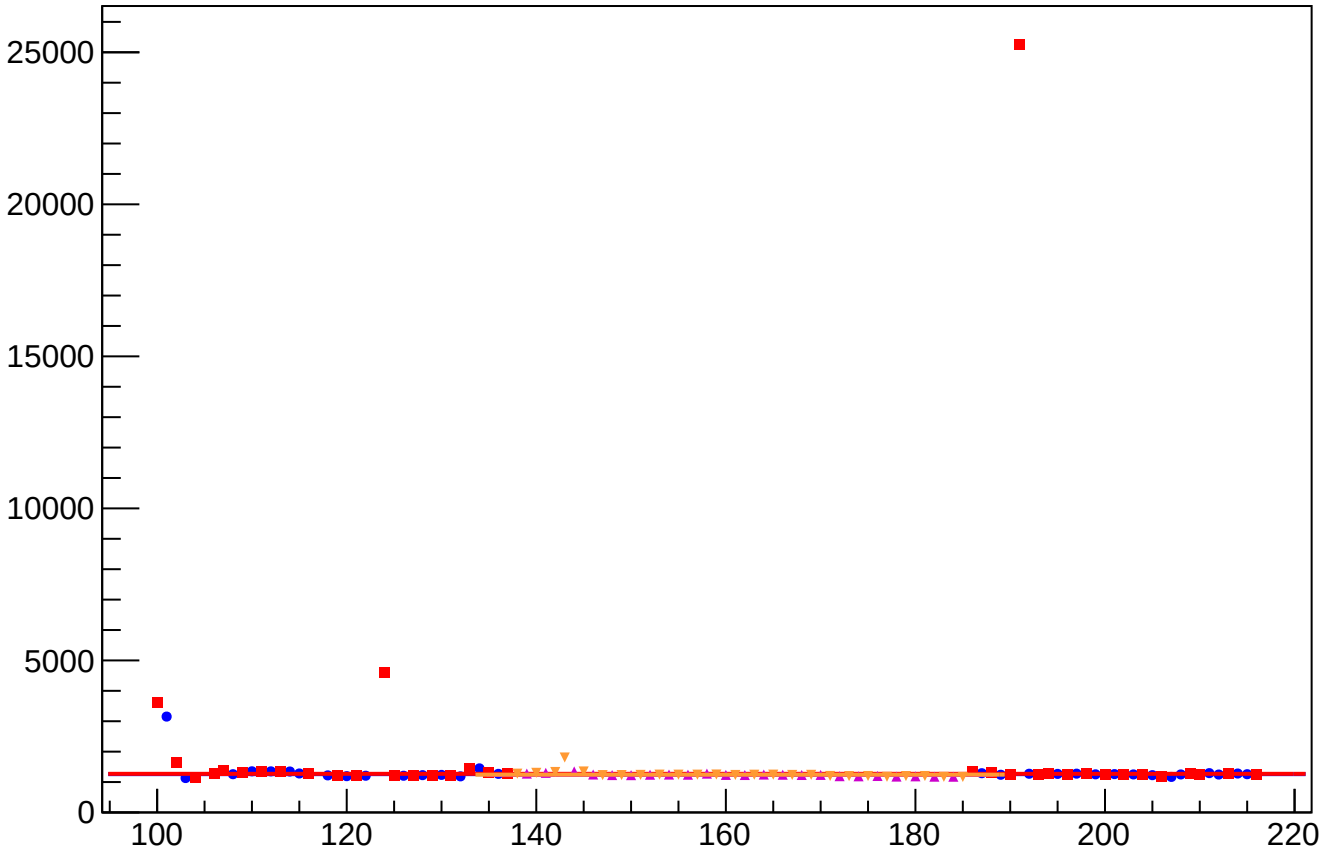
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -80.008+/-204.796 χ^2/NDF: 63.7/65

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -394.077+/-202.663 χ^2/NDF:54.4/59

All: -119.434+/-143.796 χ^2/NDF: 102.5/113



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: 1270.431+/-0.205 χ^2/NDF: 494194.9/34

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

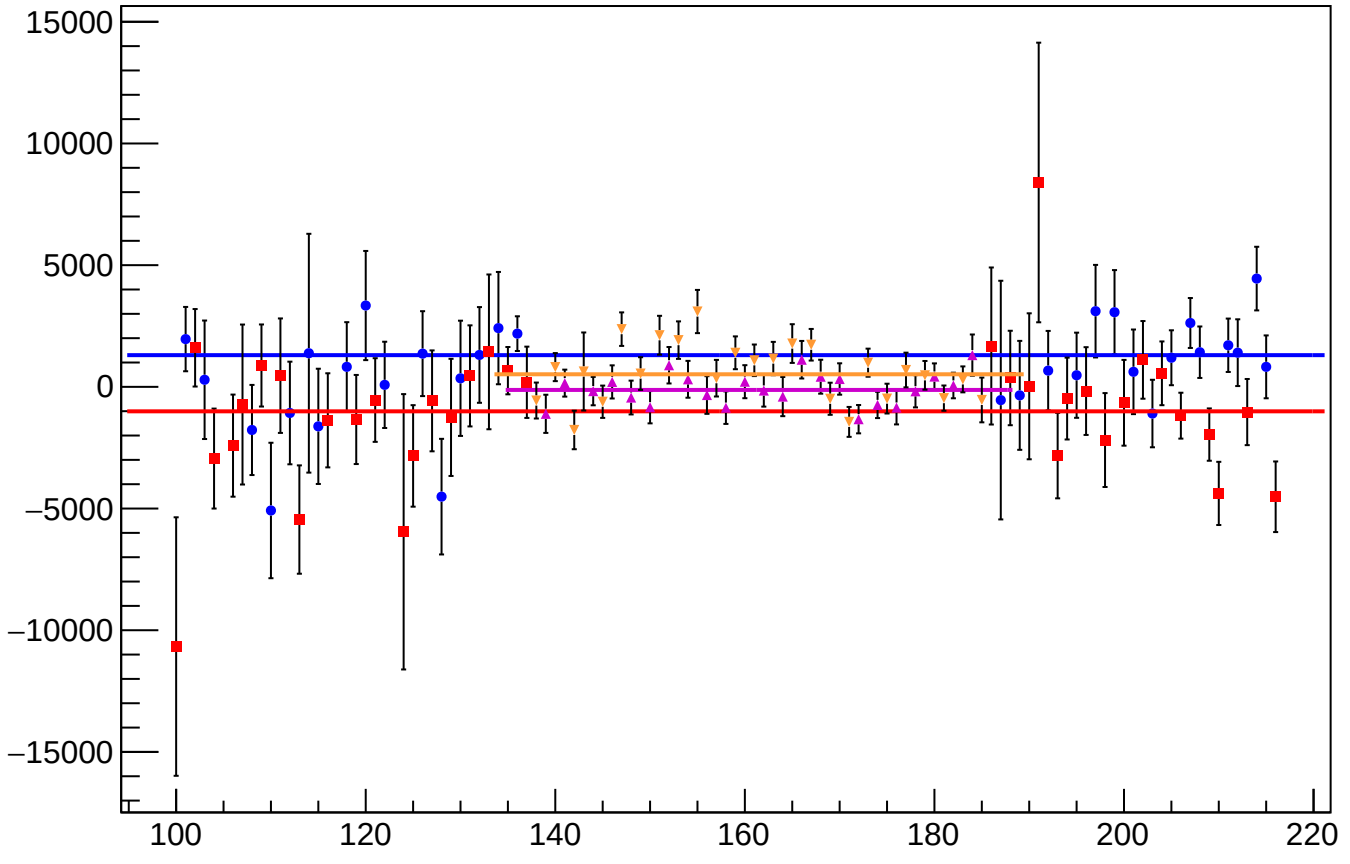
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.151+/-0.145 χ^2/NDF: 1031168.9/65

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.279+/-0.143 χ^2/NDF:706765.5/59

All: 1251.574+/-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: -1005.629+/-291.069 χ^2/NDF: 41.8/34

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

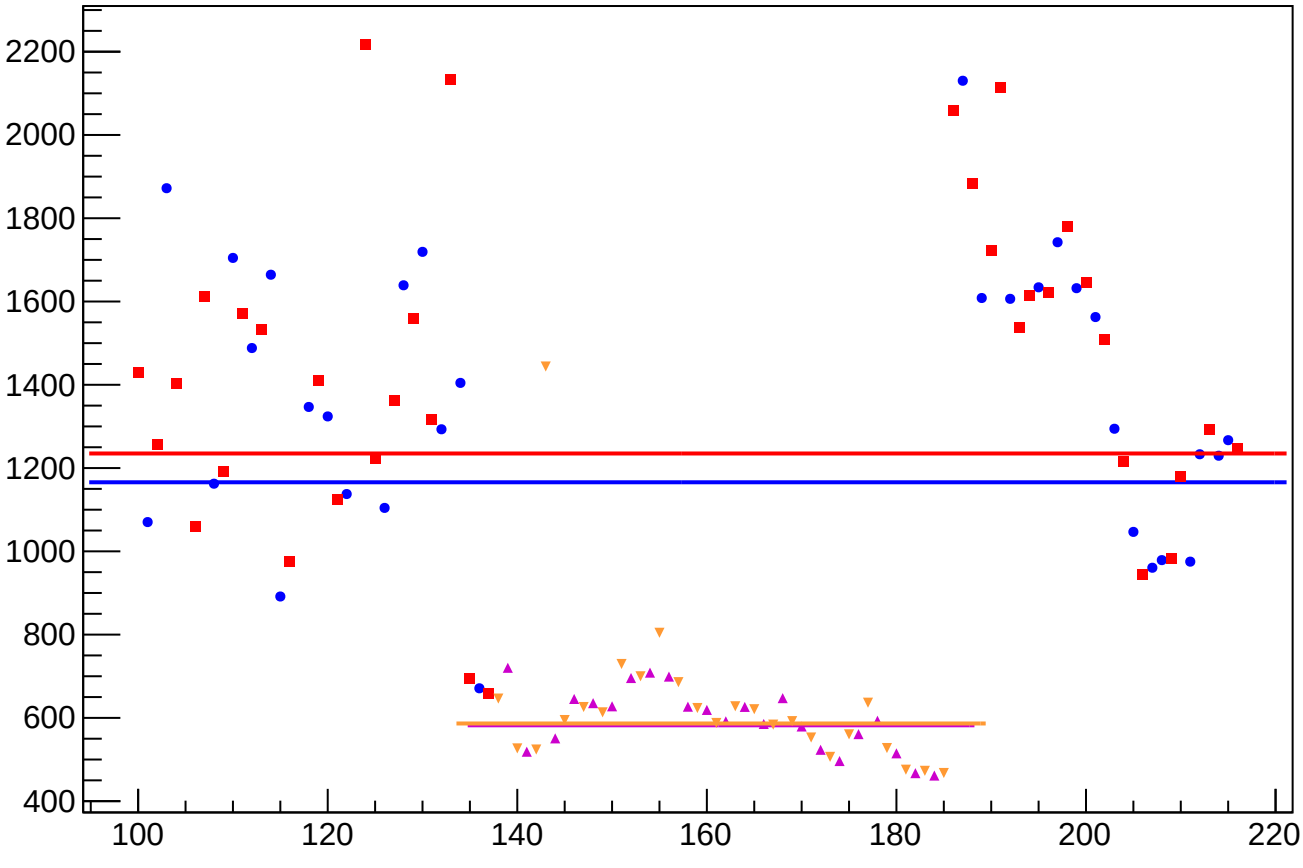
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 208.751+/-200.378 χ^2/NDF: 109.3/65

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 244.831+/-123.025 χ^2/NDF:131.3/59

All: 200.601+/-86.958 χ^2/NDF: 209.0/113



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: 1235.016+/-0.206 χ^2/NDF: 2735249.3/34

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

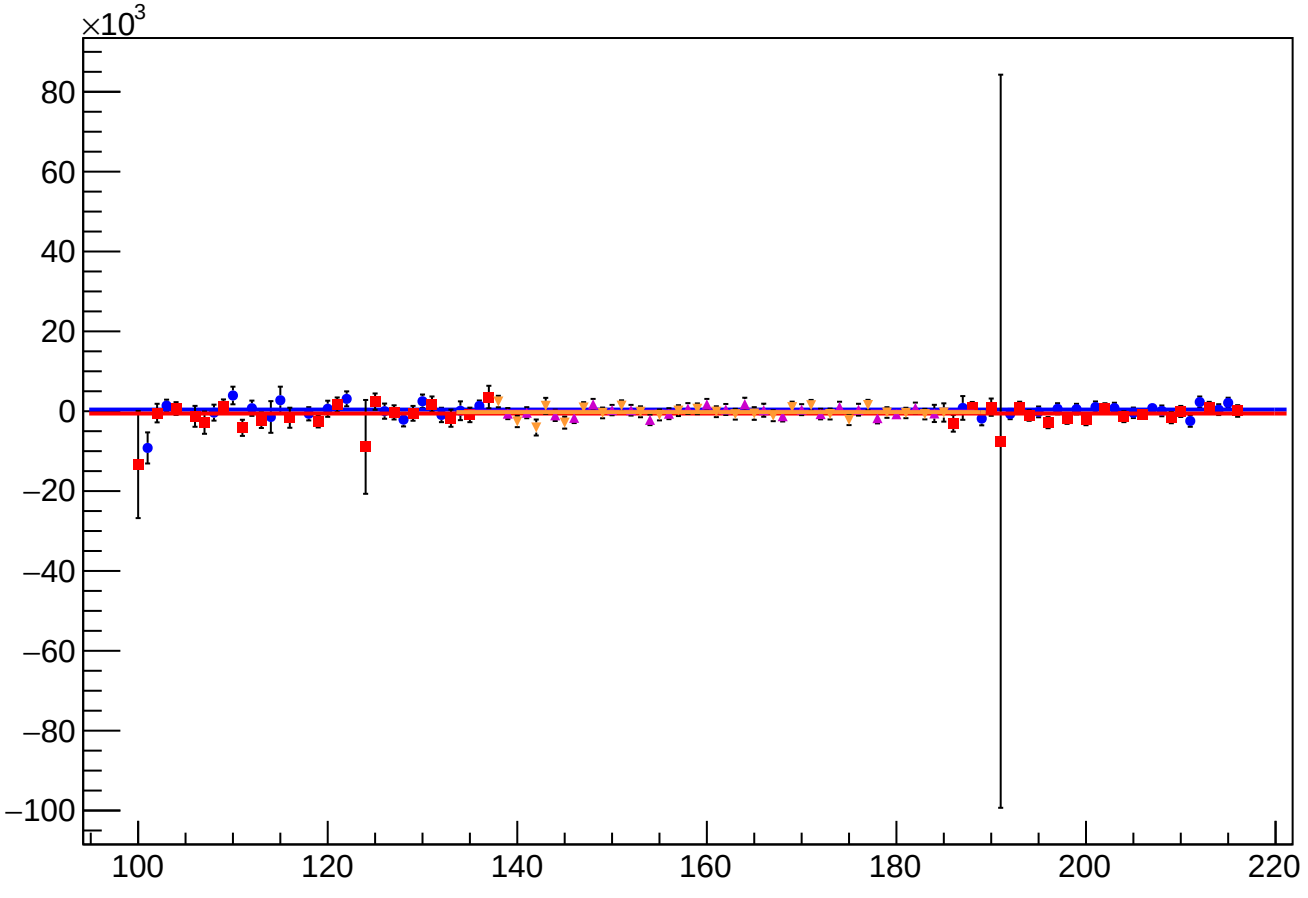
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1198.635+/-0.142 χ^2/NDF: 5499061.9/65

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 702.407+/-0.087 χ^2/NDF:12091220.8/59

All: 700.078+/-0.061 χ^2/NDF: 22516050.3/11



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: -576.384+/-290.300 χ^2/NDF: 29.7/34

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

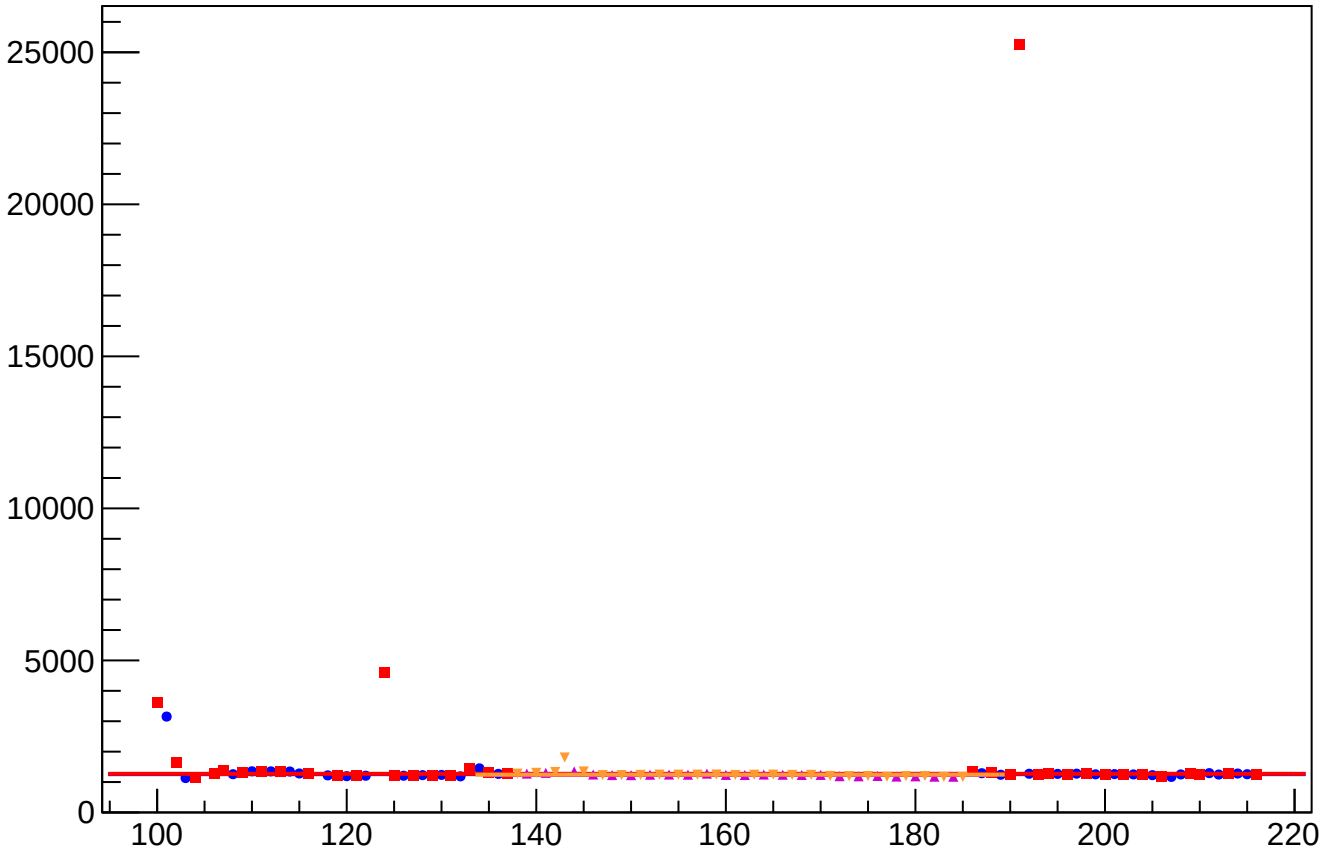
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -80.008+/-204.796 χ^2/NDF: 63.7/65

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -394.077+/-202.663 χ^2/NDF:54.4/59

All: -119.434+/-143.796 χ^2/NDF: 102.5/113



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: 1270.431+/-0.205 χ^2/NDF: 494194.9/34

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

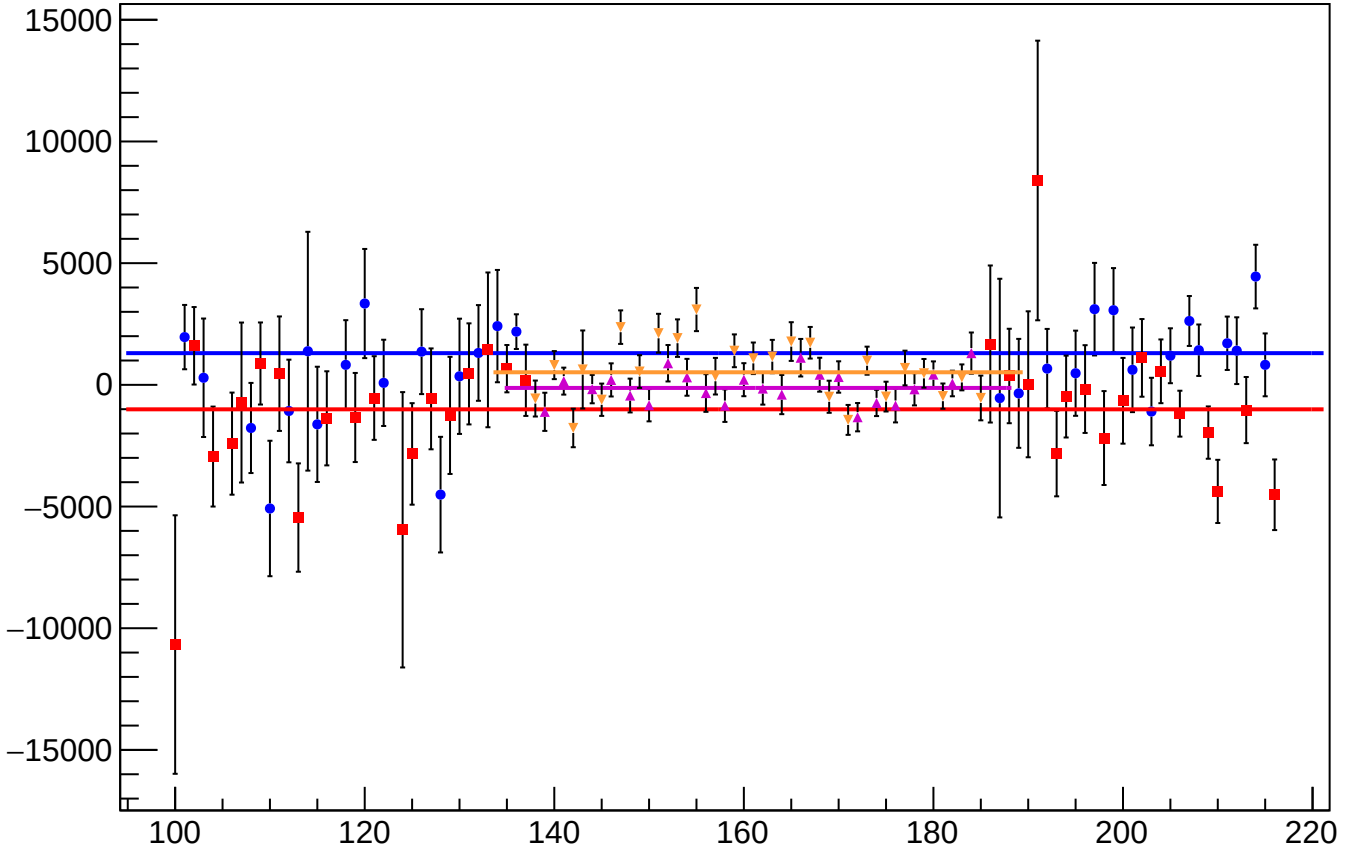
Right: 1265.151+/-0.145 χ^2/NDF: 1031168.9/65

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.279+/-0.143 χ^2/NDF:706765.5/59

All: 1251.574+/-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: -1005.629+/-291.069 χ^2/NDF: 41.8/34

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

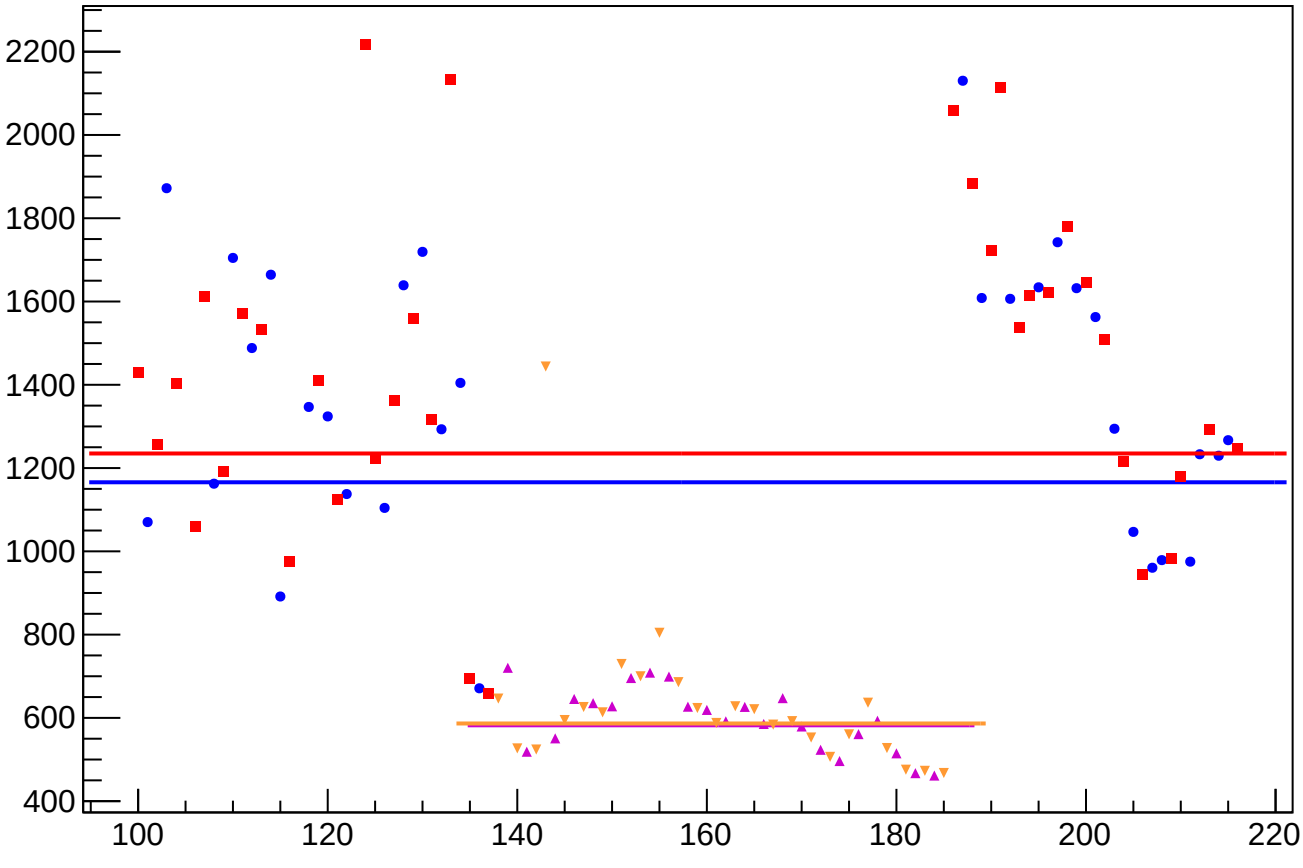
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 208.751+/-200.378 χ^2/NDF: 109.3/65

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 244.831+/-123.025 χ^2/NDF:131.3/59

All: 200.601+/-86.958 χ^2/NDF: 209.0/113



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: 1235.016+/-0.206 χ^2/NDF: 2735249.3/34

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

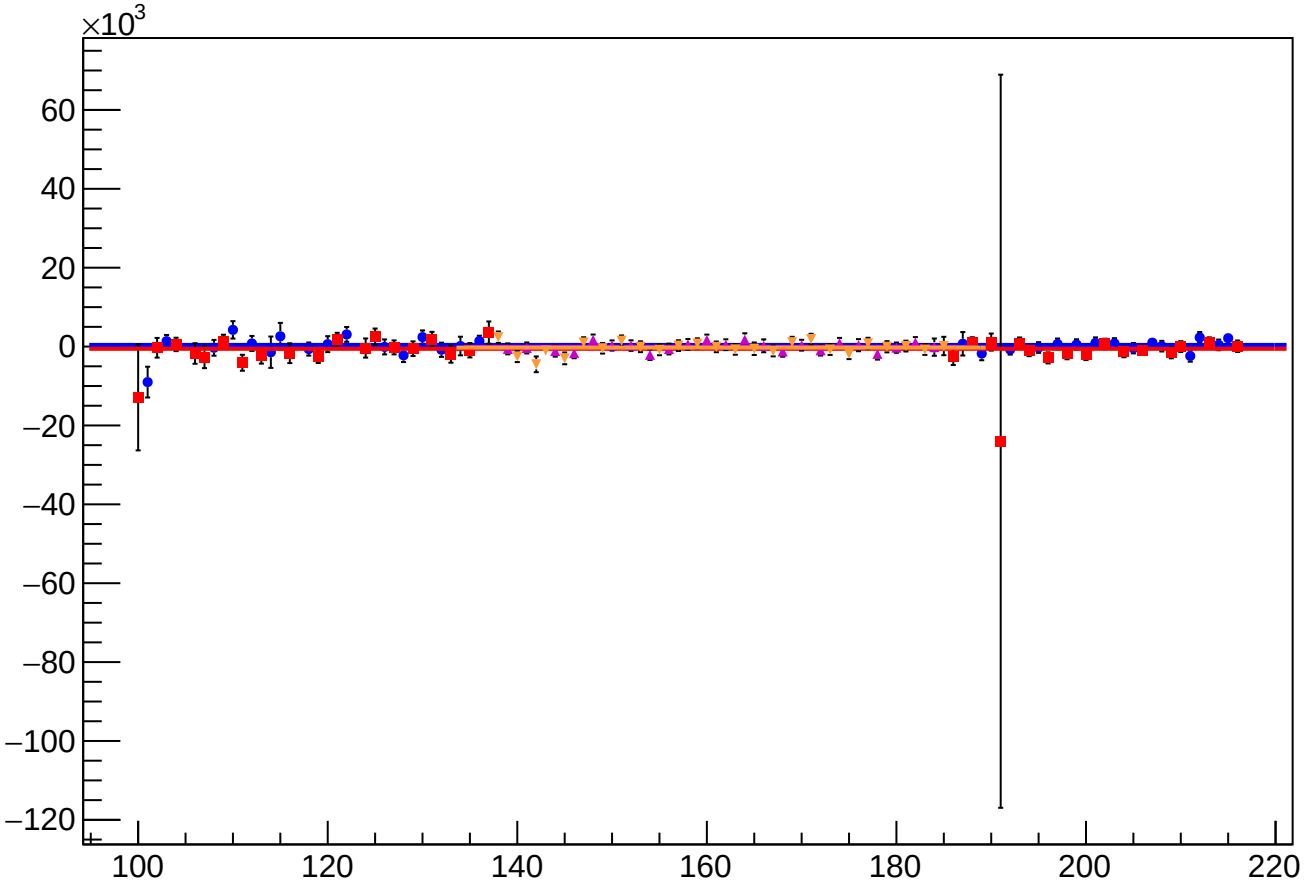
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1198.635+/-0.142 χ^2/NDF: 5499061.9/65

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 702.407+/-0.087 χ^2/NDF:12091220.8/59

All: 700.078+/-0.061 χ^2/NDF: 22516050.3/11



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: -573.200+/-289.660 χ^2/NDF: 29.2/34

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

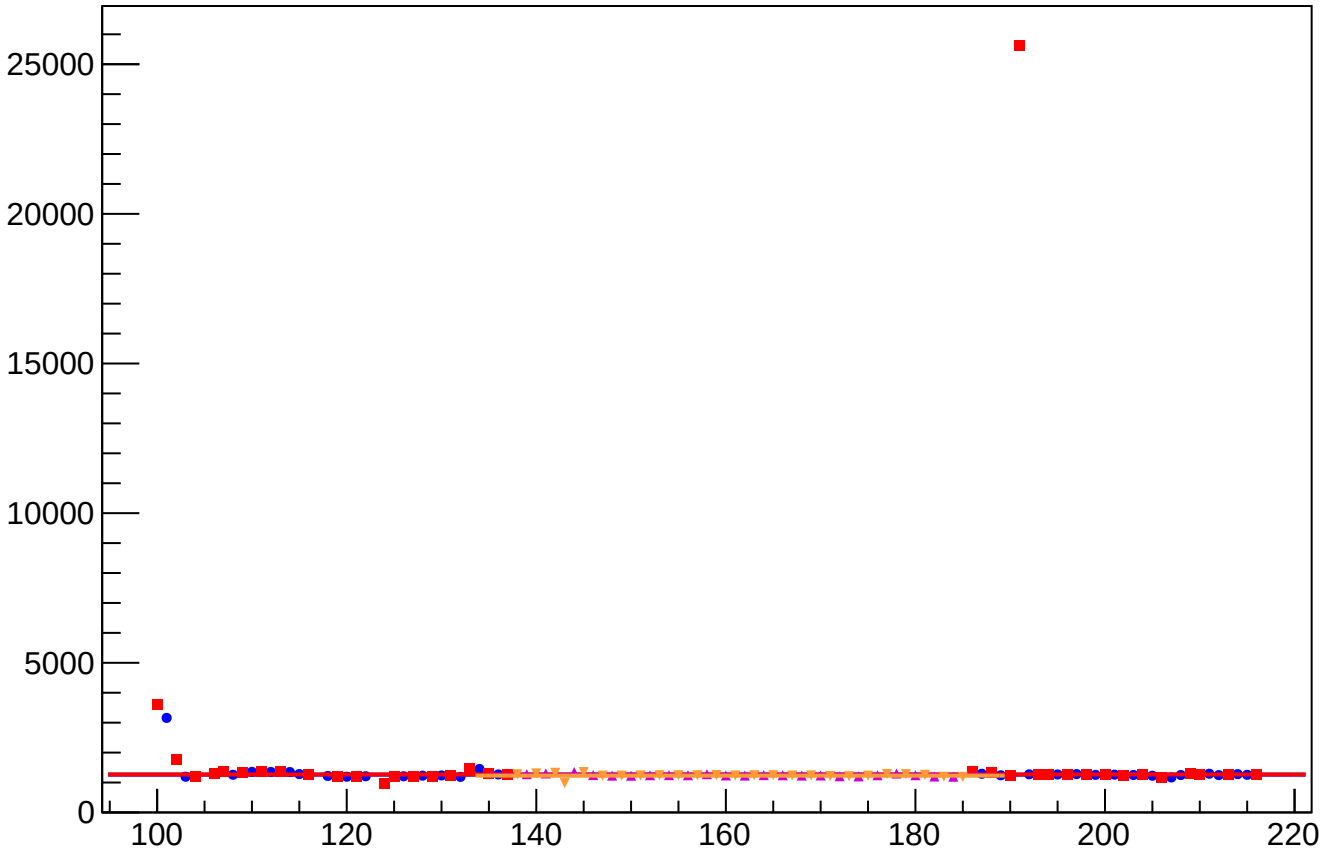
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -76.776+/-204.875 χ^2/NDF: 63.3/65

In: 174.047+/-205.508 χ^2/NDF:43.6/53

Out: -406.516+/-201.290 χ^2/NDF:53.9/59

All: -122.254+/-143.802 χ^2/NDF: 101.6/113



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: 1269.111+/-0.205 χ^2/NDF: 385395.3/34

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

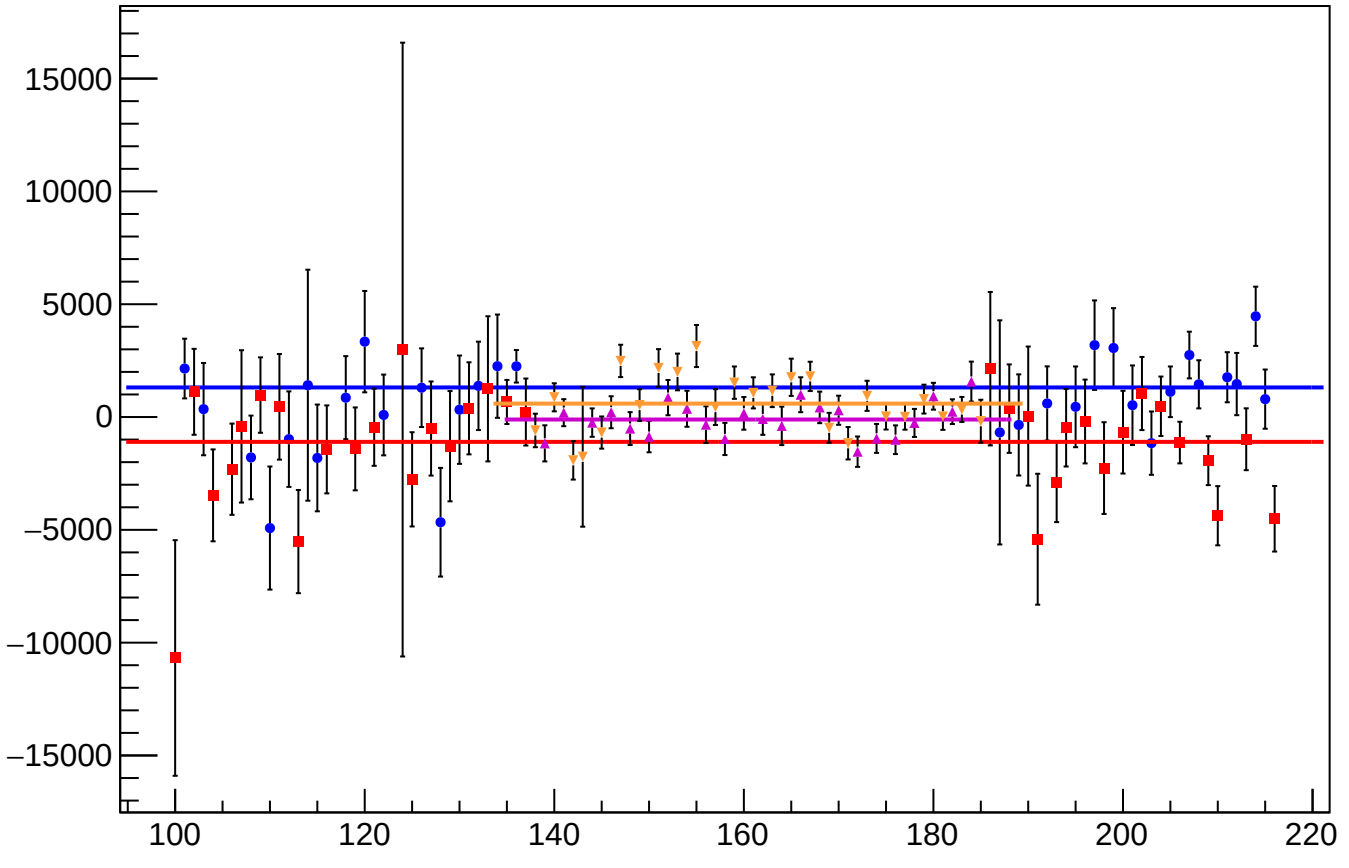
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.462+/-0.145 χ^2/NDF: 911200.6/65

In: 1255.843+/-0.145 χ^2/NDF:555851.6/53

Out: 1248.880+/-0.142 χ^2/NDF:545870.5/59

All: 1252.289+/-0.102 χ^2/NDF: 1102894.0/11



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: -1100.510+/-293.386 χ^2/NDF: 39.4/34

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

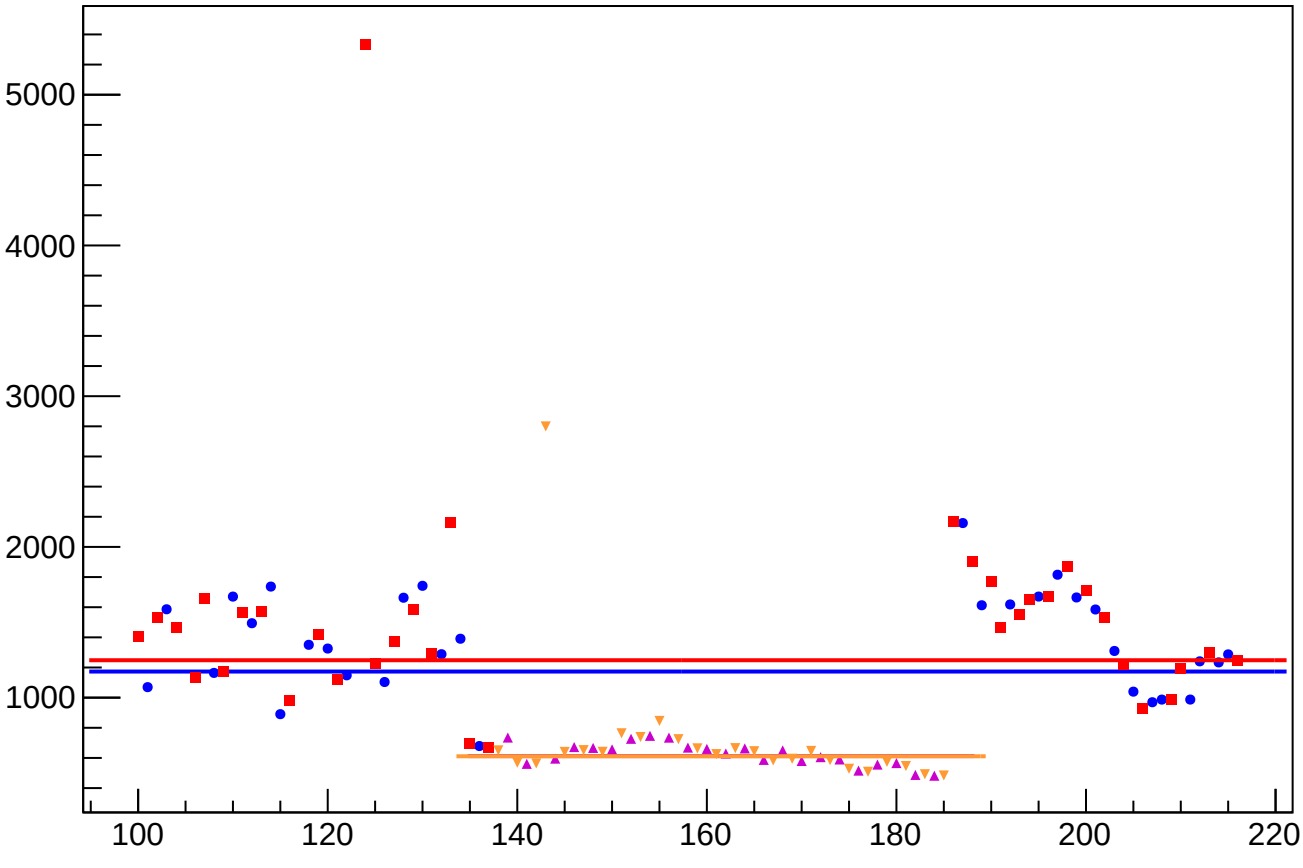
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 171.302+/-201.704 χ^2/NDF: 110.5/65

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 272.716+/-127.911 χ^2/NDF:123.8/59

All: 232.208+/-90.479 χ^2/NDF: 205.8/113



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: 1248.185+/-0.207 χ^2/NDF: 3030885.9/34

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

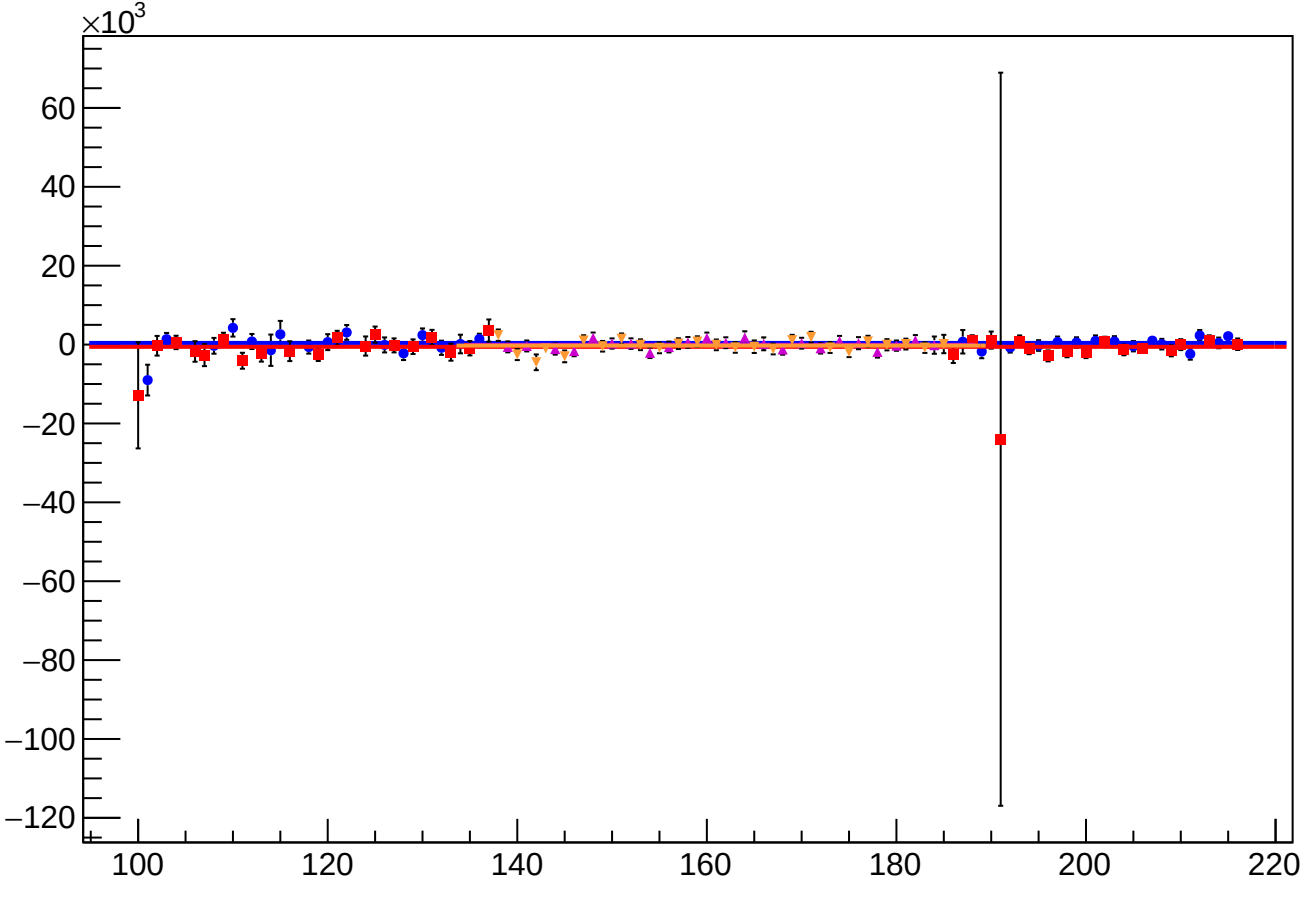
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1208.643+/-0.143 χ^2/NDF: 5745796.3/65

In: 731.499+/-0.091 χ^2/NDF:9575994.7/53

Out: 732.187+/-0.090 χ^2/NDF:12288698.7/59

All: 731.843+/-0.064 χ^2/NDF: 21864722.2/1



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: -573.199+/-289.660 χ^2/NDF: 29.2/34

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

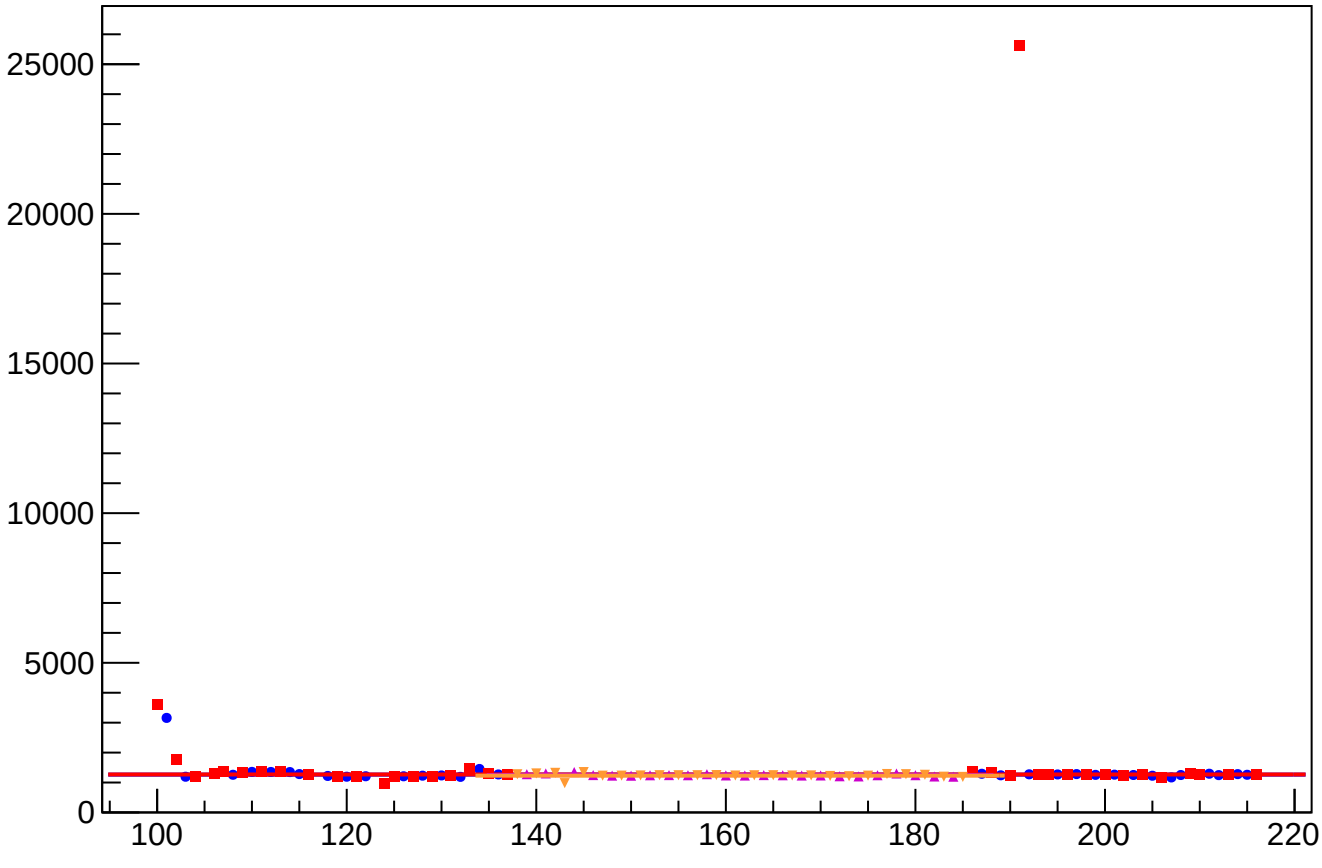
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -76.777+/-204.875 χ^2/NDF: 63.3/65

In: 174.046+/-205.508 χ^2/NDF:43.6/53

Out: -406.516+/-201.290 χ^2/NDF:53.9/59

All: -122.254+/-143.801 χ^2/NDF: 101.6/113



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: 1269.111+/-0.205 χ^2/NDF: 385395.1/34

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

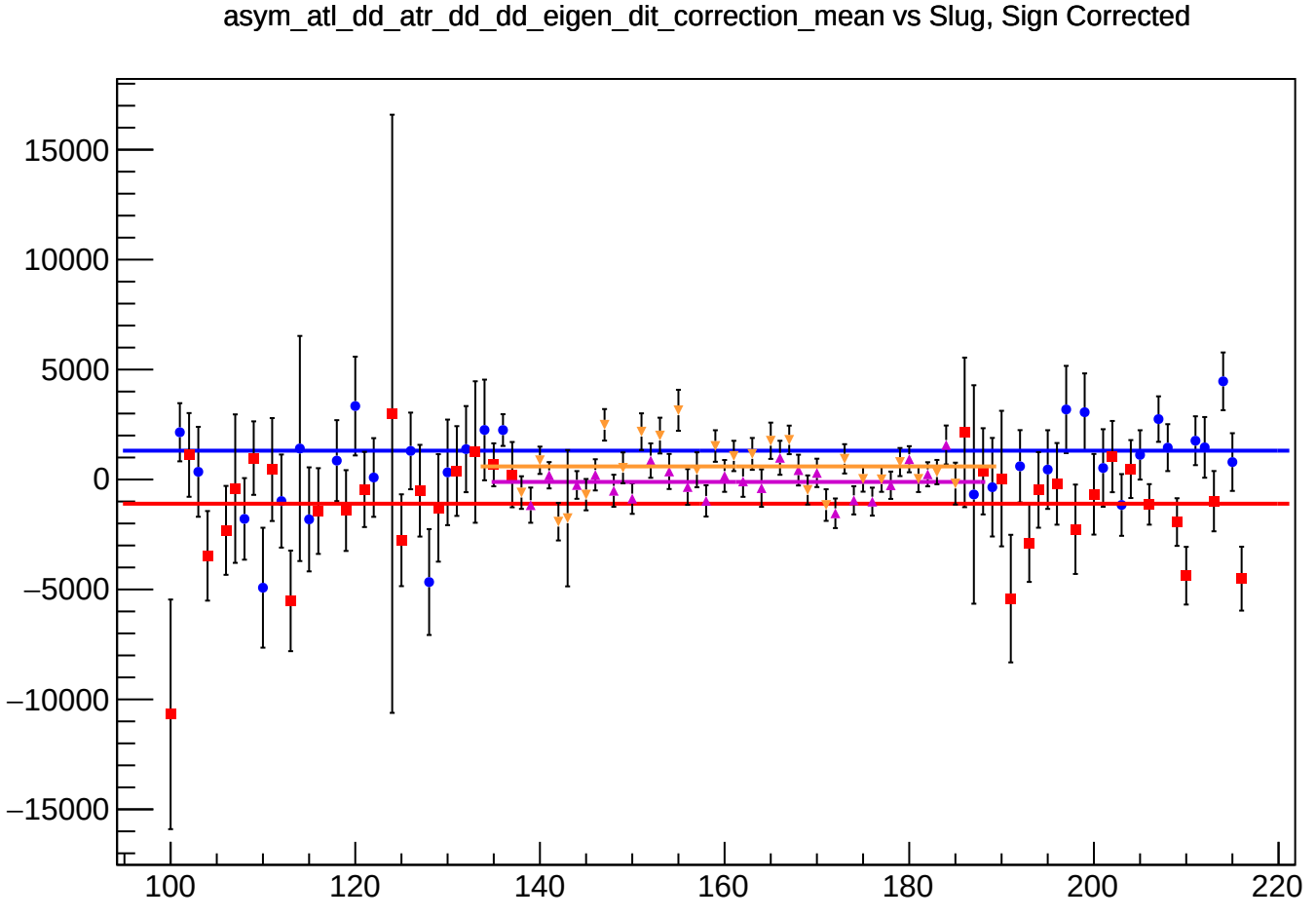
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1266.462+/-0.145 χ^2/NDF: 911200.5/65

In: 1255.843+/-0.145 χ^2/NDF:555851.7/53

Out: 1248.880+/-0.142 χ^2/NDF:545869.4/59

All: 1252.289+/-0.102 χ^2/NDF: 1102892.9/11



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: -1100.512+/-293.386 χ^2/NDF: 39.4/34

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

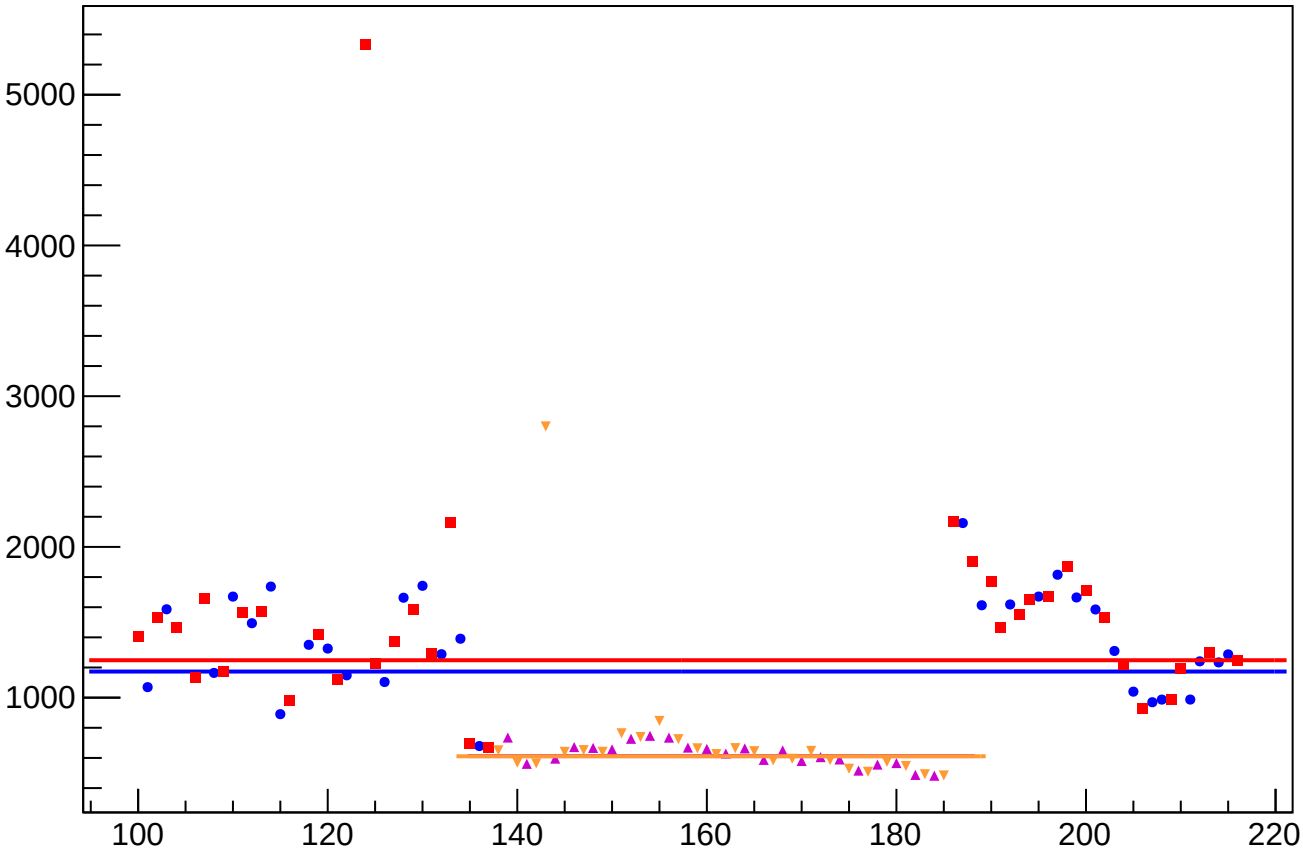
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 171.303+/-201.704 χ^2/NDF: 110.5/65

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 272.716+/-127.911 χ^2/NDF:123.8/59

All: 232.208+/-90.479 χ^2/NDF: 205.8/113



Right In: 1173.202+/-0.196 χ^2/NDF: 2645957.2/30

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.188+/-0.207 χ^2/NDF: 3030829.1/34

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

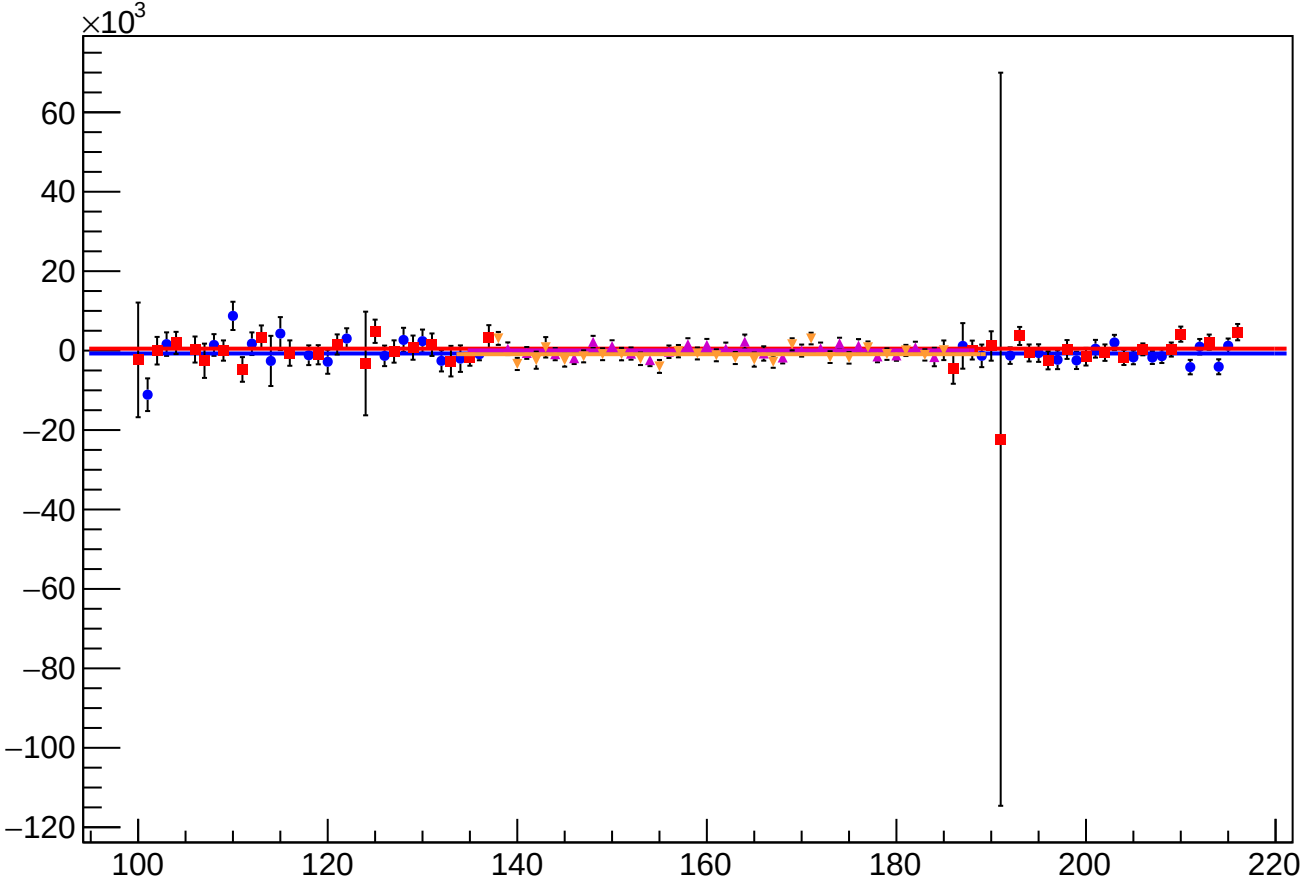
Right: 1208.645+/-0.143 χ^2/NDF: 5745683.0/65

In: 731.499+/-0.091 χ^2/NDF:9575977.9/53

Out: 732.187+/-0.090 χ^2/NDF:12288697.6/59

All: 731.843+/-0.064 χ^2/NDF: 21864704.4/1

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: 491.109+/-430.291 χ^2/NDF: 27.0/34

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

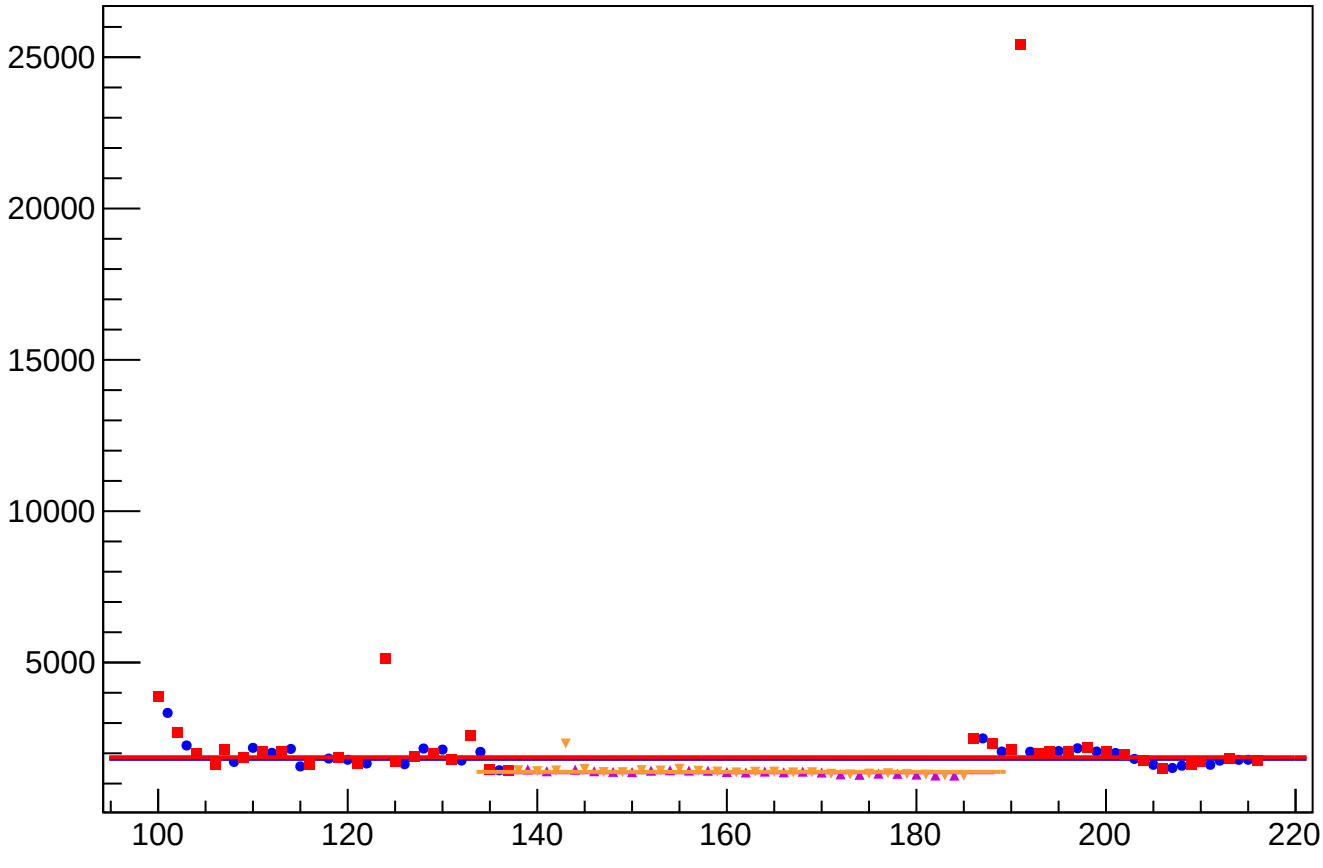
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -130.964+/-300.280 χ^2/NDF: 66.9/65

In: -236.201+/-254.835 χ^2/NDF:55.8/53

Out: -411.638+/-254.931 χ^2/NDF:63.6/59

All: -323.887+/-180.230 χ^2/NDF: 119.6/113



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: 1870.202+/-0.304 χ^2/NDF: 1056819.0/34

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

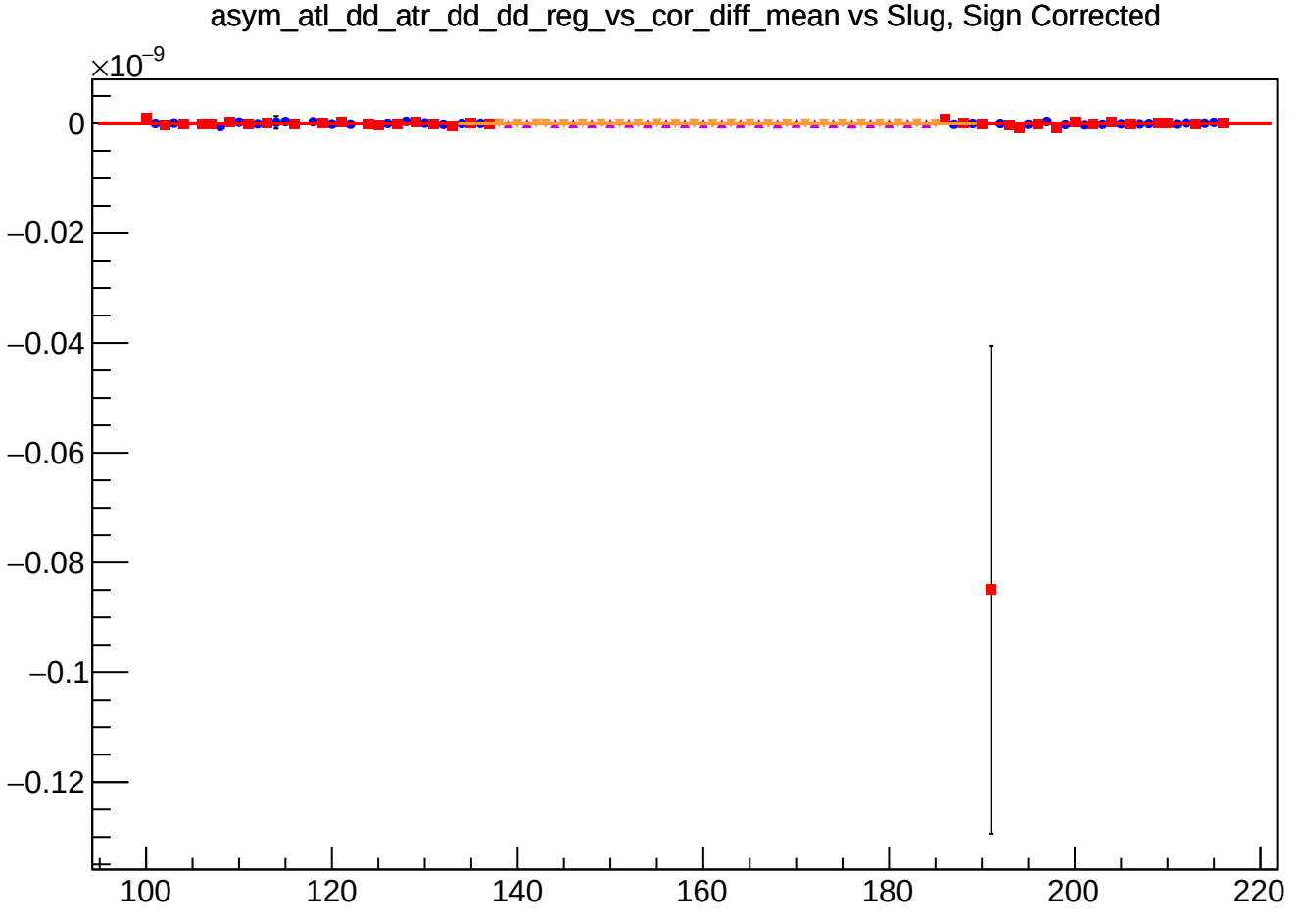
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1843.156+/-0.212 χ^2/NDF: 1965827.2/65

In: 1537.362+/-0.180 χ^2/NDF:2374136.6/53

Out: 1556.509+/-0.180 χ^2/NDF:3034495.7/59

All: 1546.932+/-0.127 χ^2/NDF: 5414275.6/11



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: 49.7/34

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

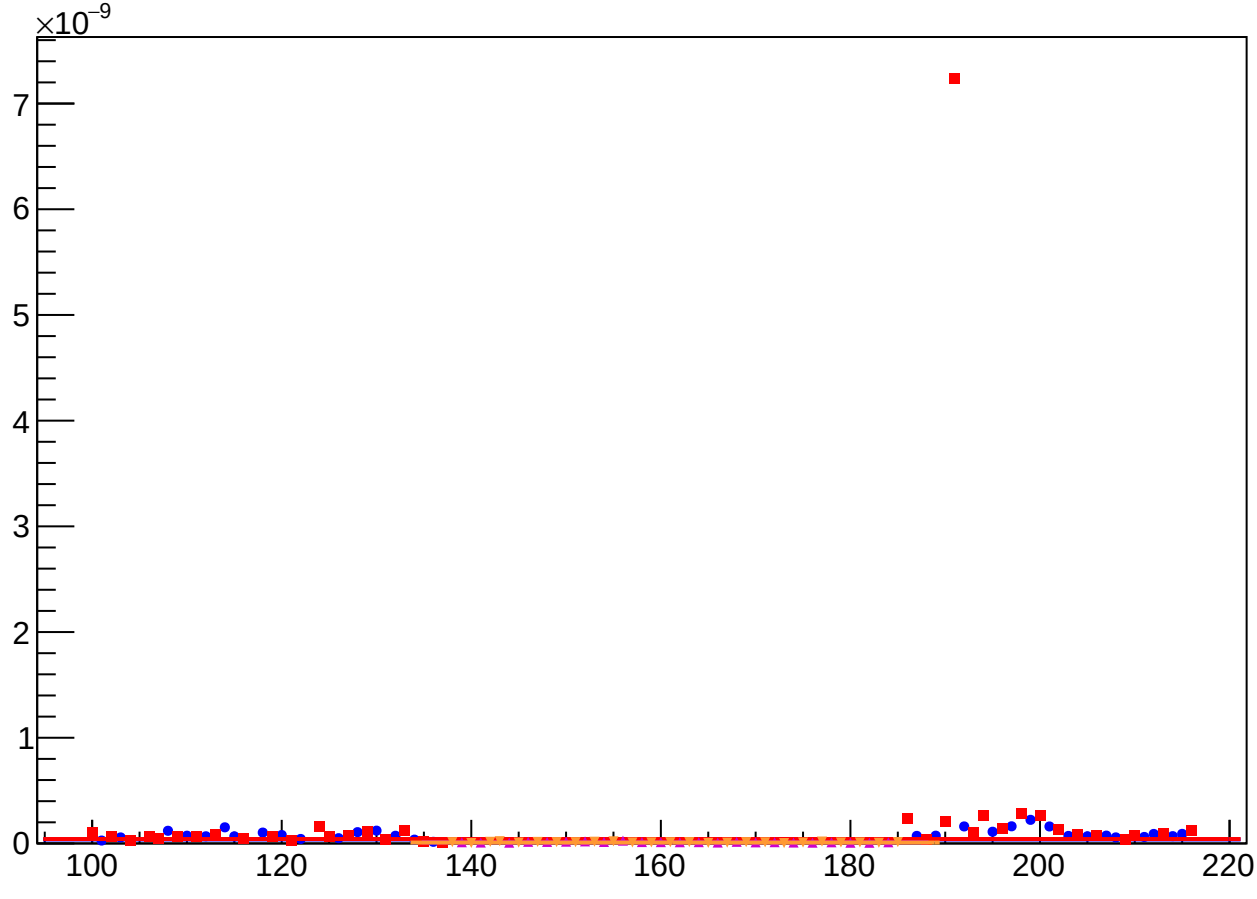
Right: -0.000+/-0.000 χ^2/NDF: 77.6/65

In: 0.000+/-0.000 χ^2/NDF:40.8/53

Out: 0.000+/-0.000 χ^2/NDF:75.3/59

All: 0.000+/-0.000 χ^2/NDF: 116.1/113

asym_atl_dd_atr_dd_dd_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: 7281715.5/34

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

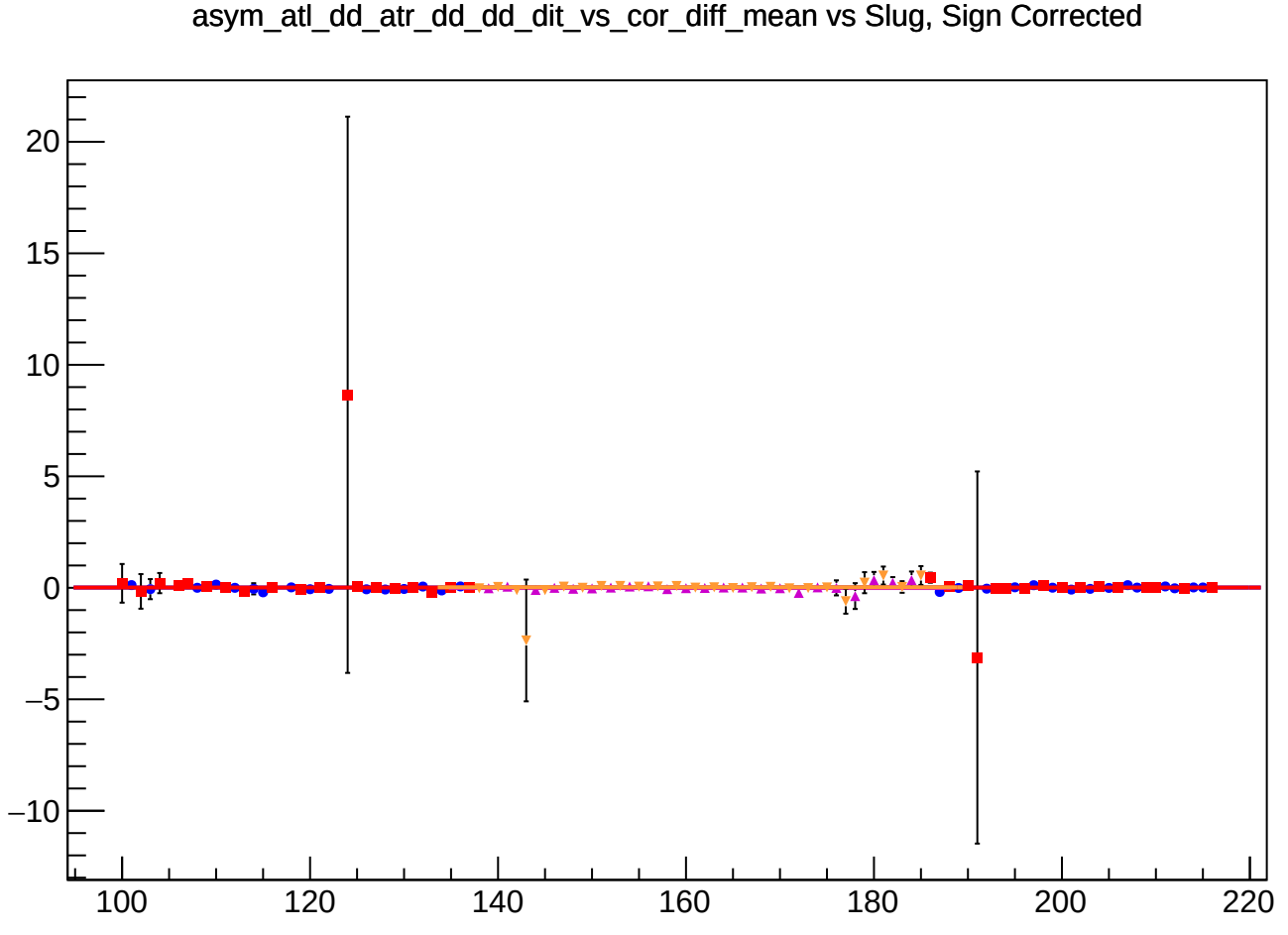
Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14342015.6/65

In: 0.000+/-0.000 χ^2/NDF:13189312.6/53

Out: 0.000+/-0.000 χ^2/NDF:15381211.7/59

All: 0.000+/-0.000 χ^2/NDF: 28923133.7/113



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+/-0.009 χ^2/NDF: 24.1/34

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

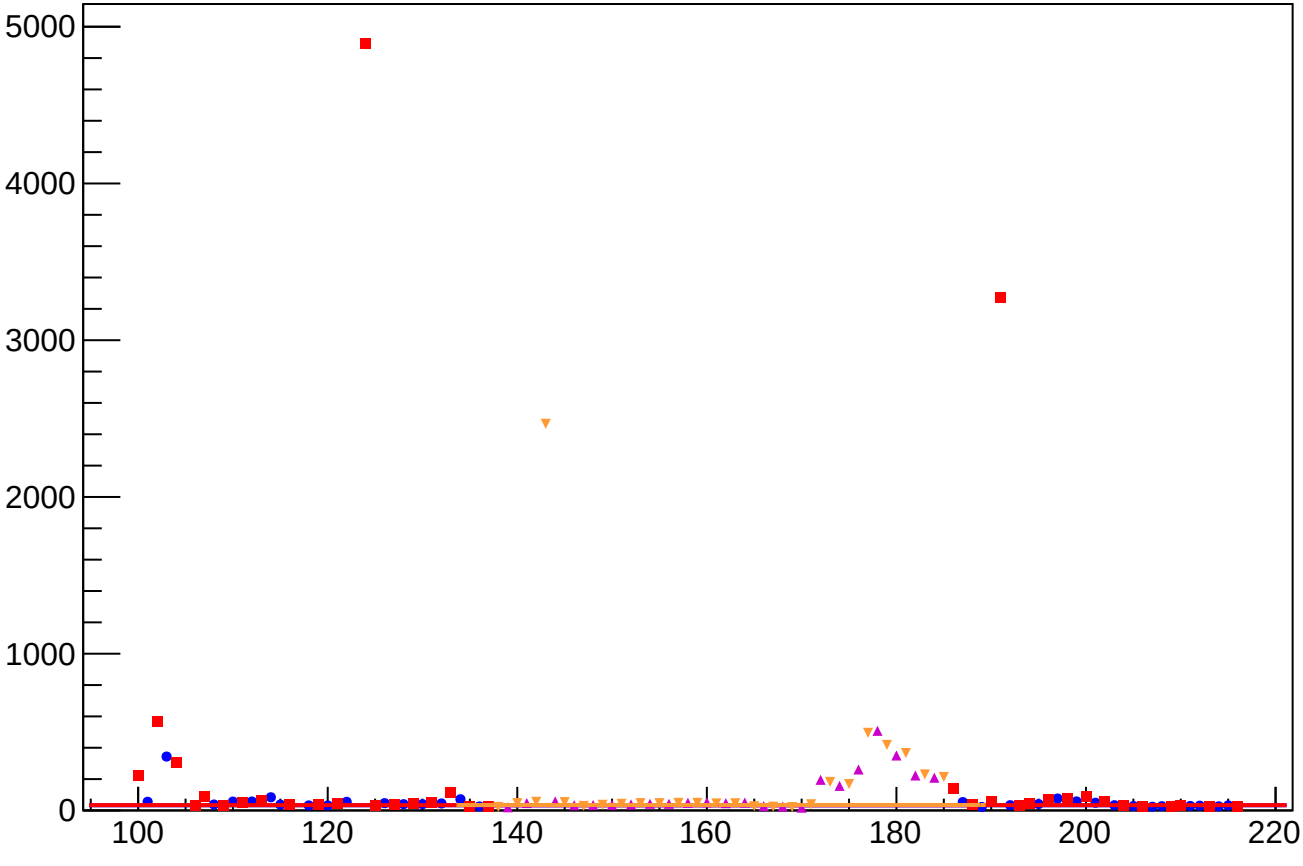
Right: 0.012+/-0.006 χ^2/NDF: 69.1/65

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.017+/-0.007 χ^2/NDF:47.6/59

All: 0.009+/-0.005 χ^2/NDF: 112.5/113

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: 33.892+/-0.006 χ^2/NDF: 6693406.6/34

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

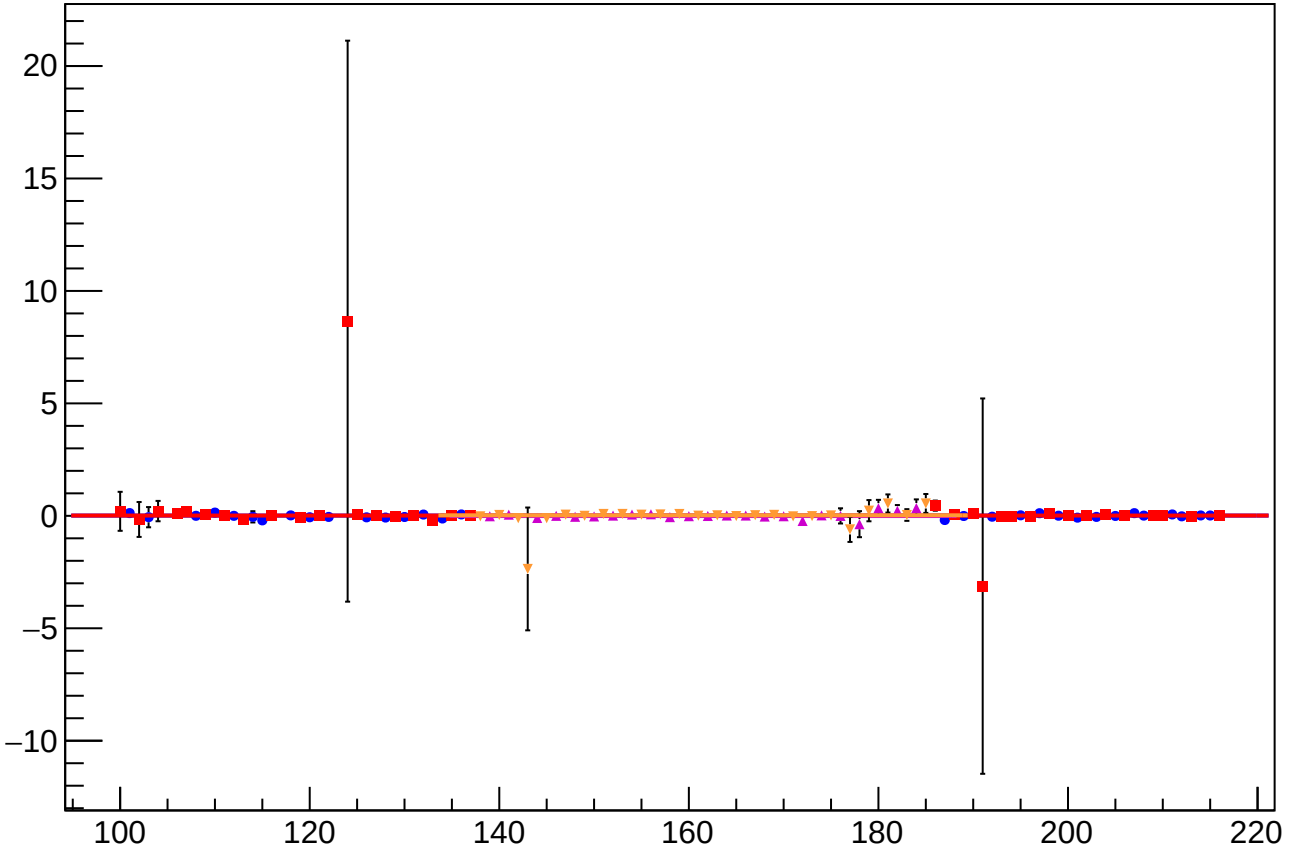
Right: 33.381+/-0.004 χ^2/NDF: 10438542.3/65

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 34.220+/-0.005 χ^2/NDF:18101533.9/59

All: 33.693+/-0.003 χ^2/NDF: 31930232.6/113

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+/-0.009 χ^2/NDF: 24.1/34

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

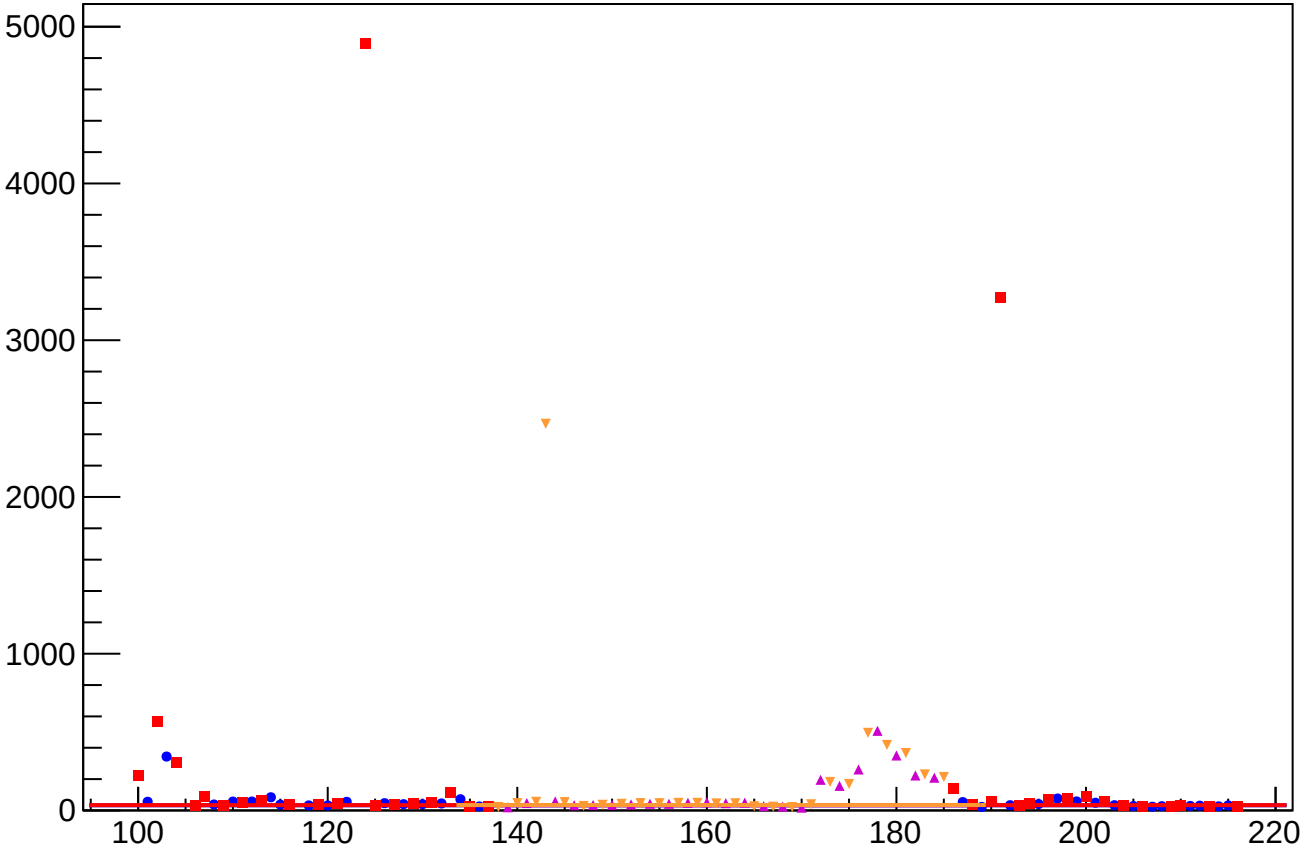
Right: 0.012+/-0.006 χ^2/NDF: 69.1/65

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.017+/-0.007 χ^2/NDF:47.6/59

All: 0.009+/-0.005 χ^2/NDF: 112.5/113

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: 33.892+/-0.006 χ^2/NDF: 6693406.6/34

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

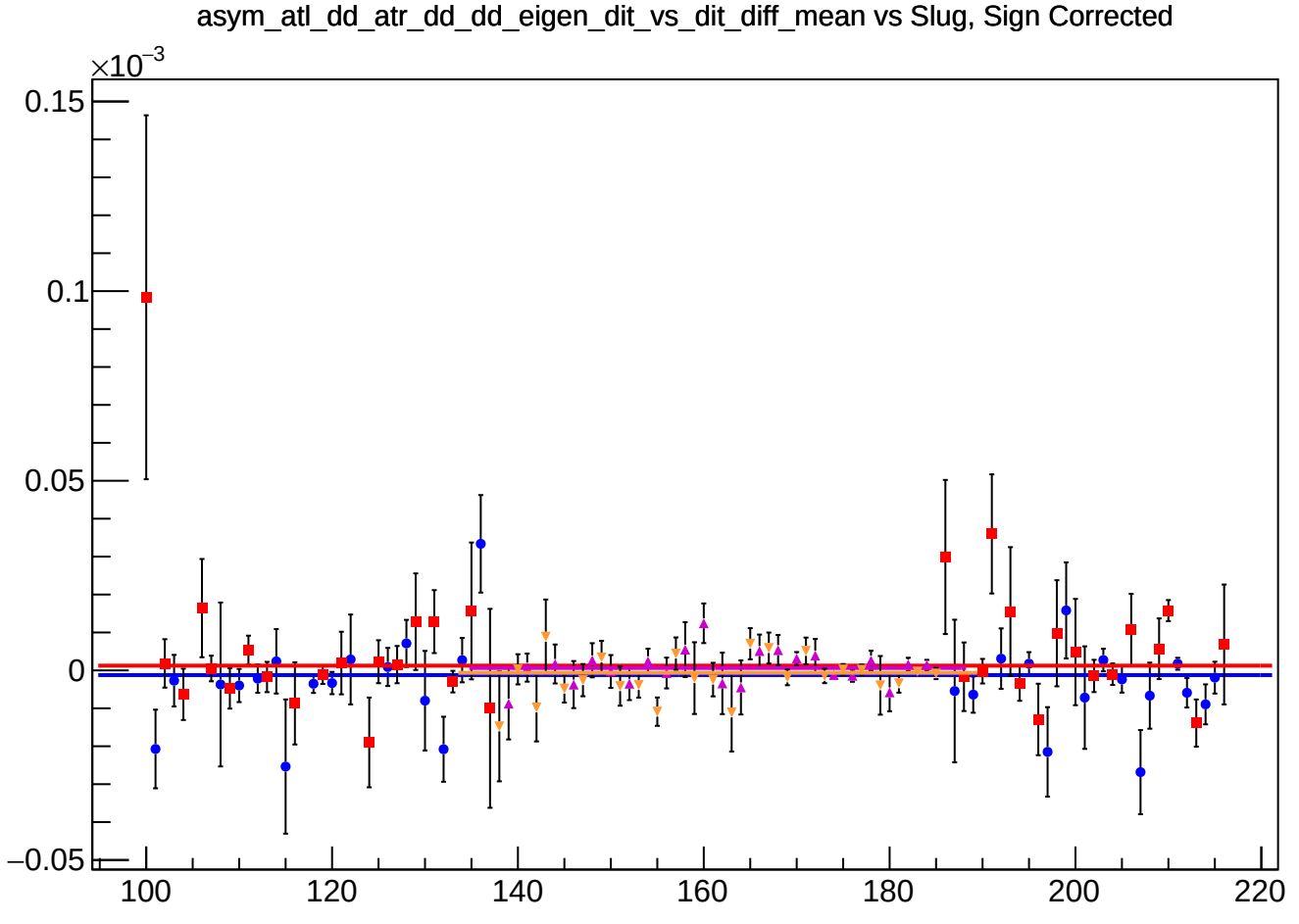
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 33.381+/-0.004 χ^2/NDF: 10438542.3/65

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 34.220+/-0.005 χ^2/NDF:18101533.9/59

All: 33.693+/-0.003 χ^2/NDF: 31930232.6/113



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: 67.8/34

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

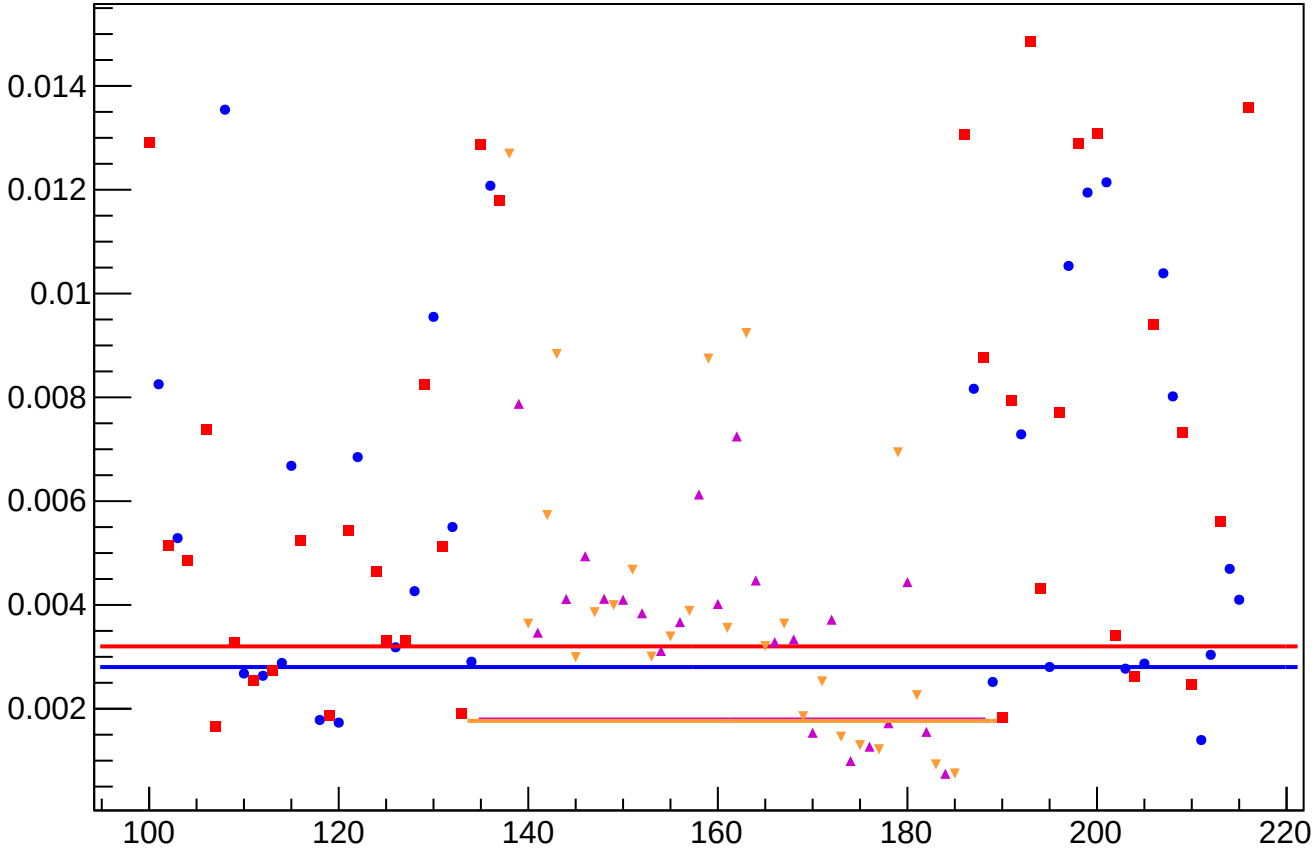
Right: -0.000+/-0.000 χ^2/NDF: 117.2/65

In: 0.000+/-0.000 χ^2/NDF:70.7/53

Out: -0.000+/-0.000 χ^2/NDF:99.6/59

All: -0.000+/-0.000 χ^2/NDF: 170.4/113

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: 11597526.8/34

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

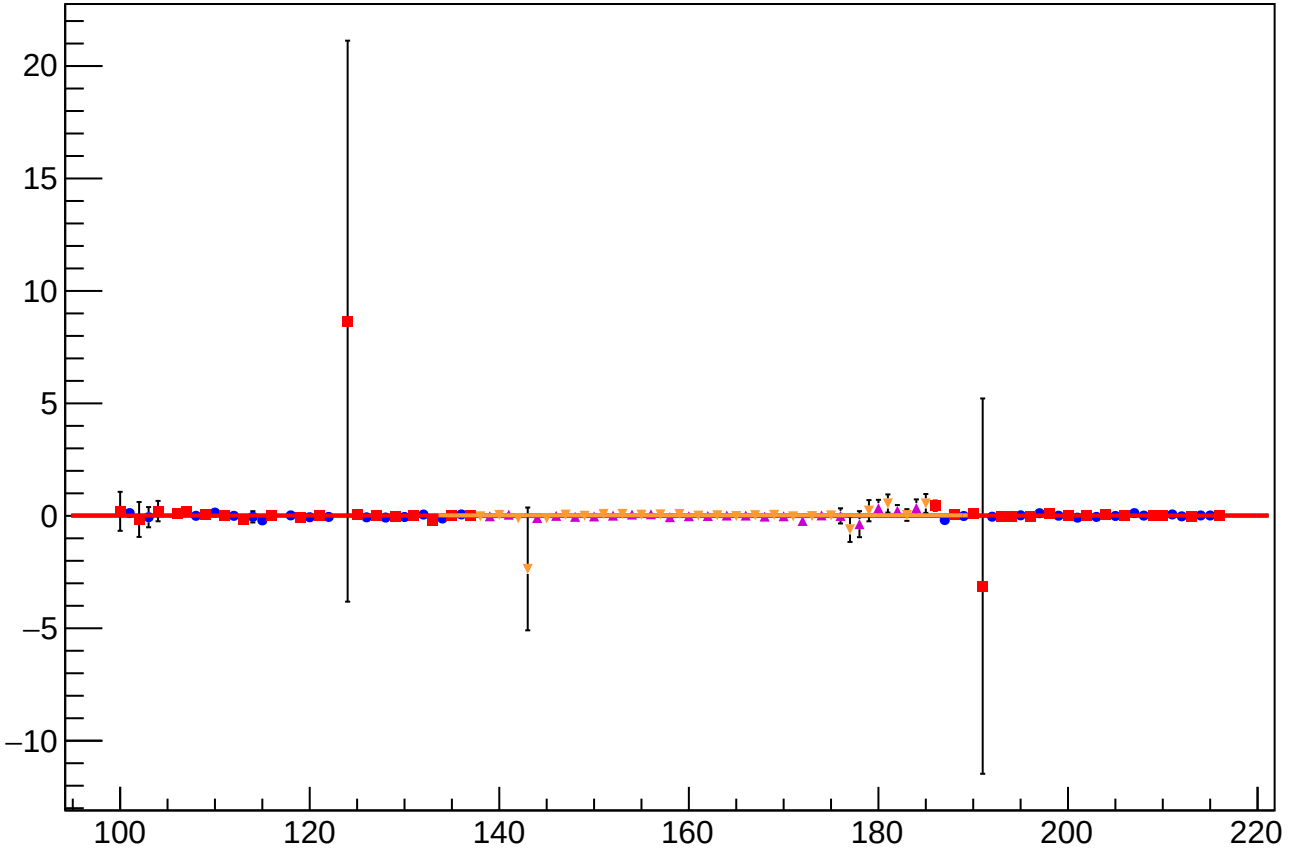
Right: 0.003+/-0.000 χ^2/NDF: 23345335.3/65

In: 0.002+/-0.000 χ^2/NDF:24463265.0/53

Out: 0.002+/-0.000 χ^2/NDF:28465588.0/59

All: 0.002+/-0.000 χ^2/NDF: 52929953.0/113

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+/-0.009 χ^2/NDF: 24.1/34

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

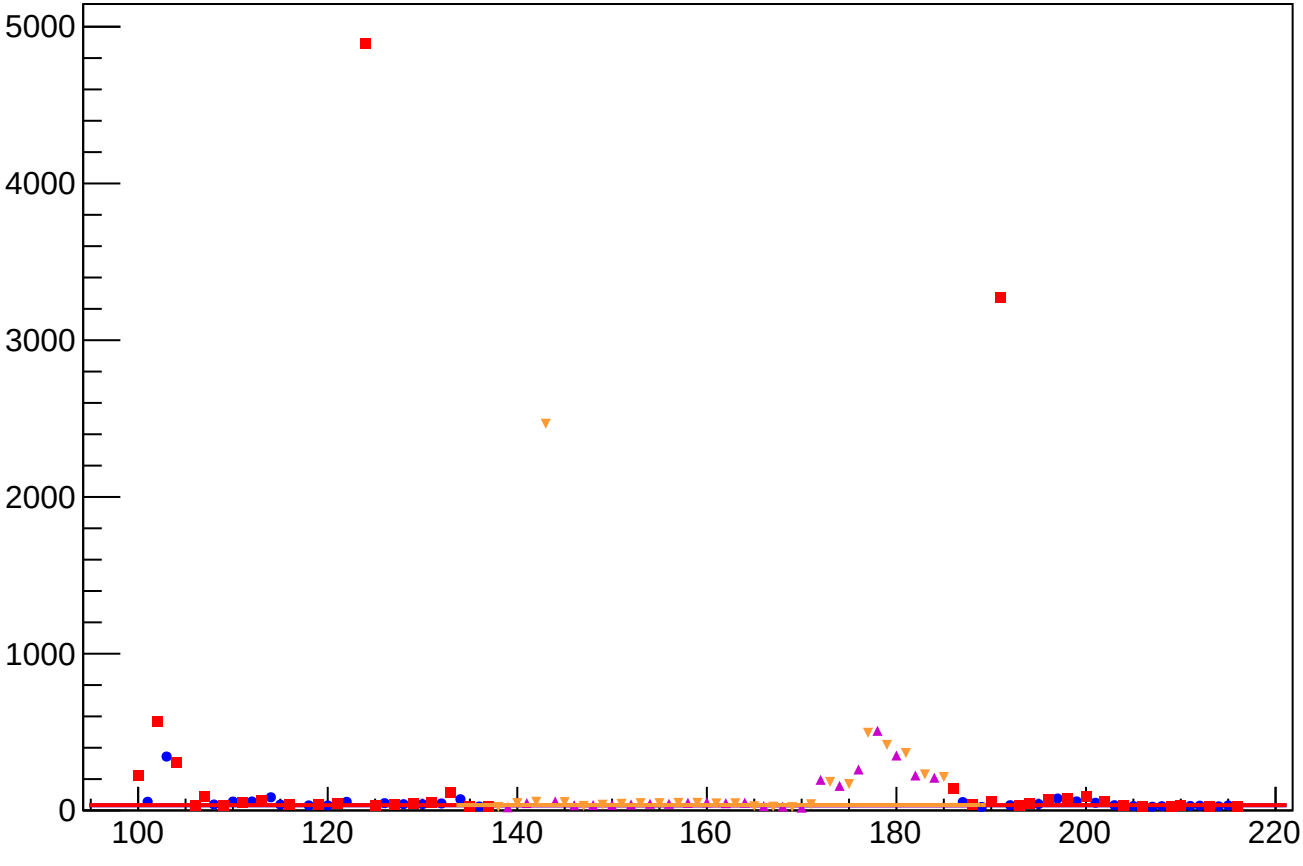
Right: 0.012+/-0.006 χ^2/NDF: 69.1/65

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.017+/-0.007 χ^2/NDF:47.6/59

All: 0.009+/-0.005 χ^2/NDF: 112.5/113

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: 33.893+/-0.006 χ^2/NDF: 6693295.8/34

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

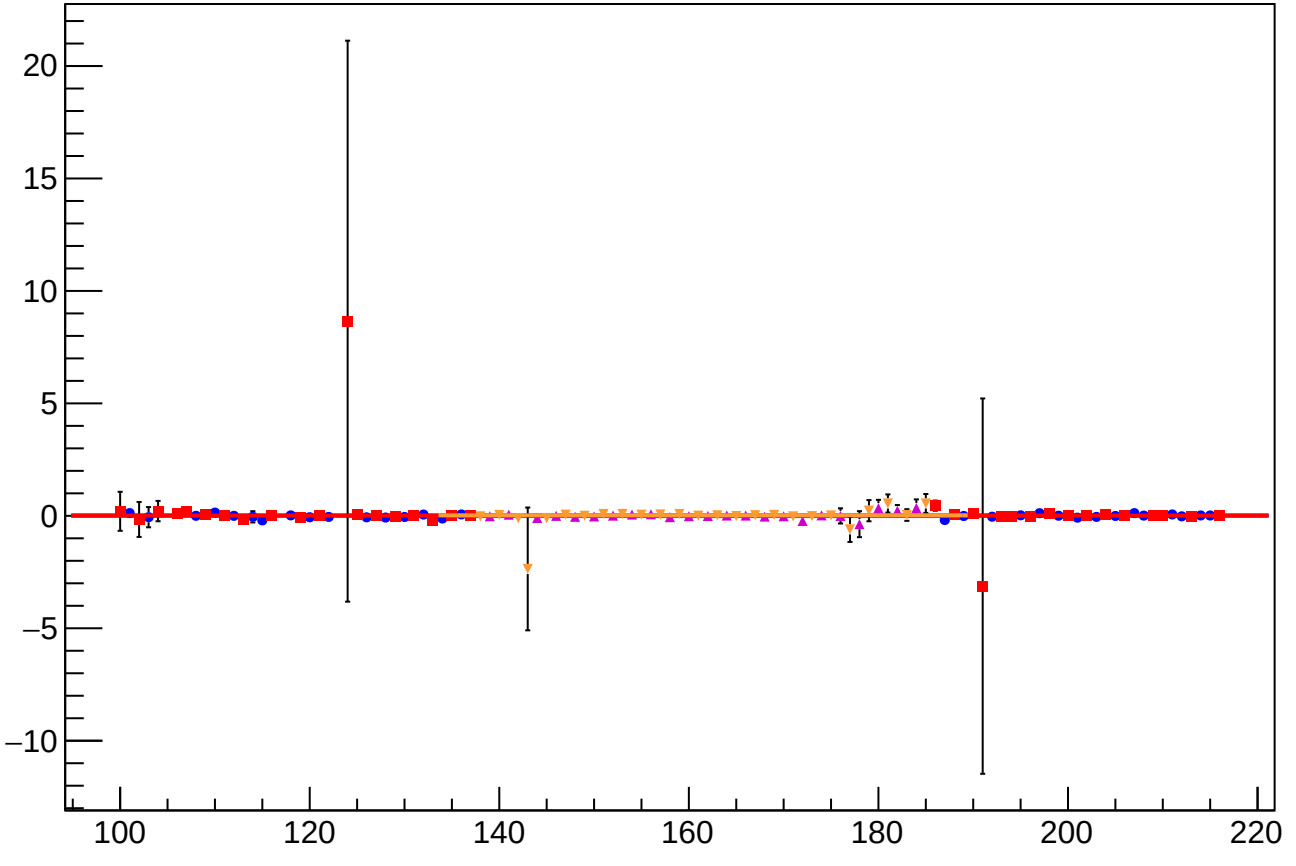
Right: 33.382+/-0.004 χ^2/NDF: 10437148.8/65

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 34.219+/-0.005 χ^2/NDF:18101515.4/59

All: 33.695+/-0.003 χ^2/NDF: 31927591.9/113

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+/-0.009 χ^2/NDF: 24.1/34

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

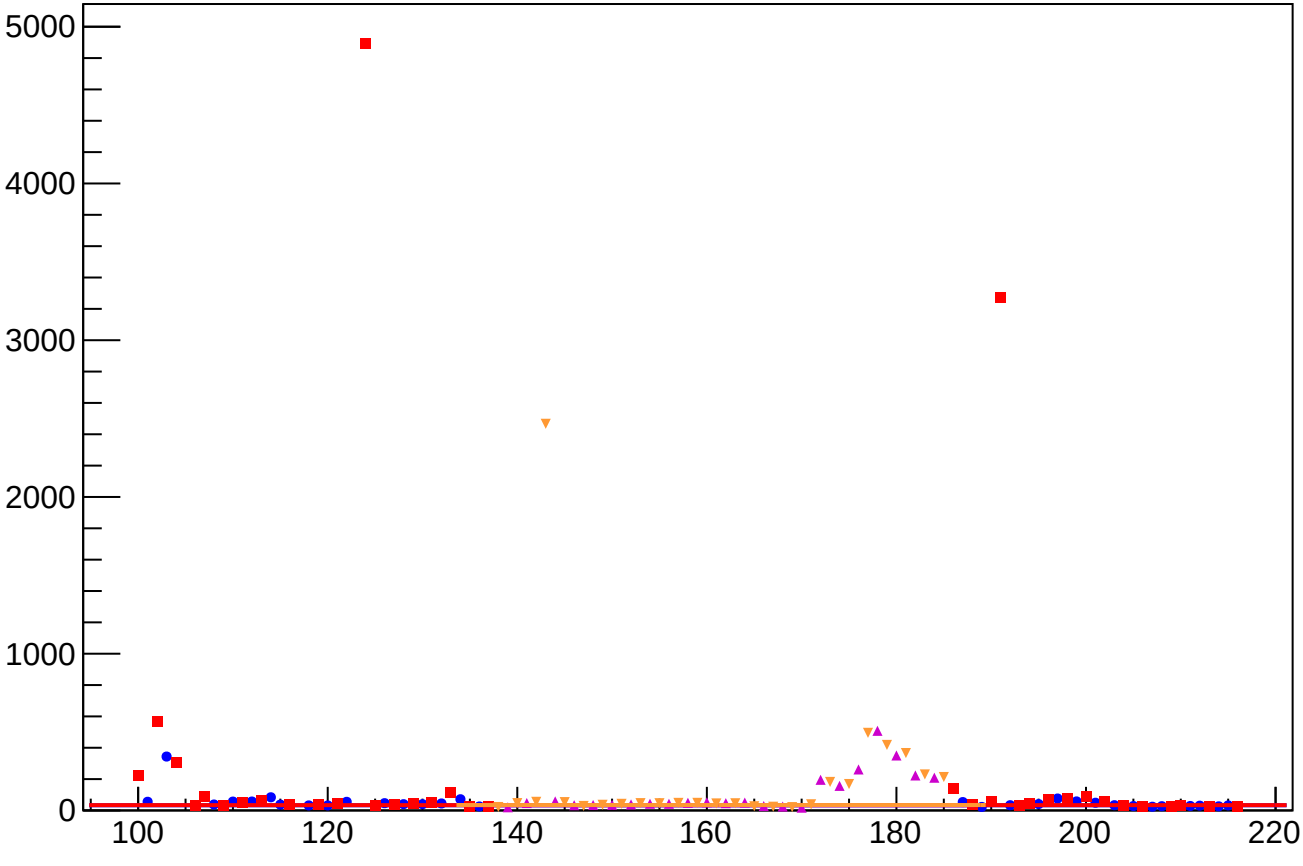
Right: 0.012+/-0.006 χ^2/NDF: 69.1/65

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.017+/-0.007 χ^2/NDF:47.6/59

All: 0.009+/-0.005 χ^2/NDF: 112.5/113

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: 33.893+/-0.006 χ^2/NDF: 6693295.8/34

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

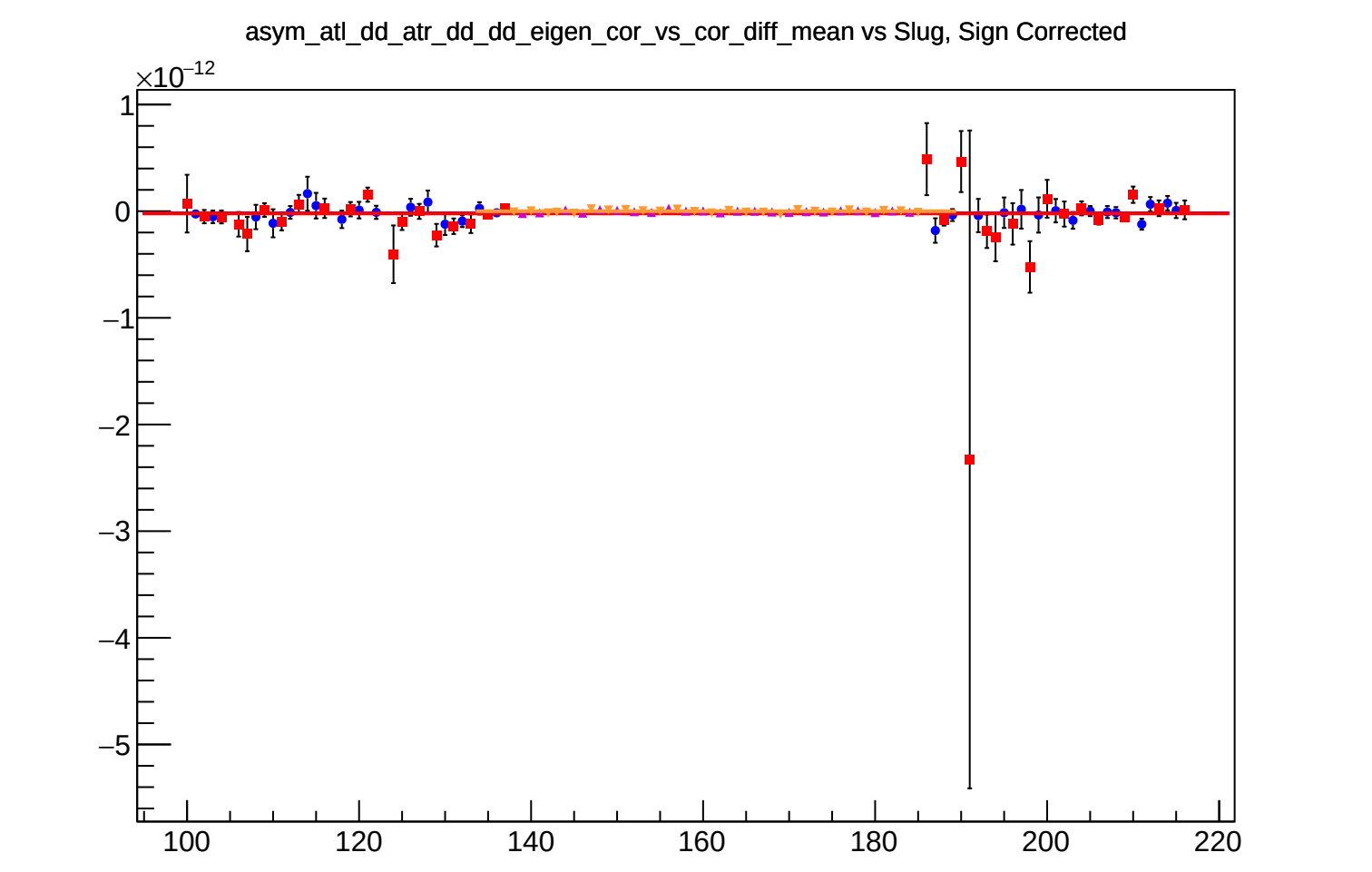
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 33.382+/-0.004 χ^2/NDF: 10437148.8/65

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 34.219+/-0.005 χ^2/NDF:18101515.4/59

All: 33.695+/-0.003 χ^2/NDF: 31927591.9/113



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: 50.7/34

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

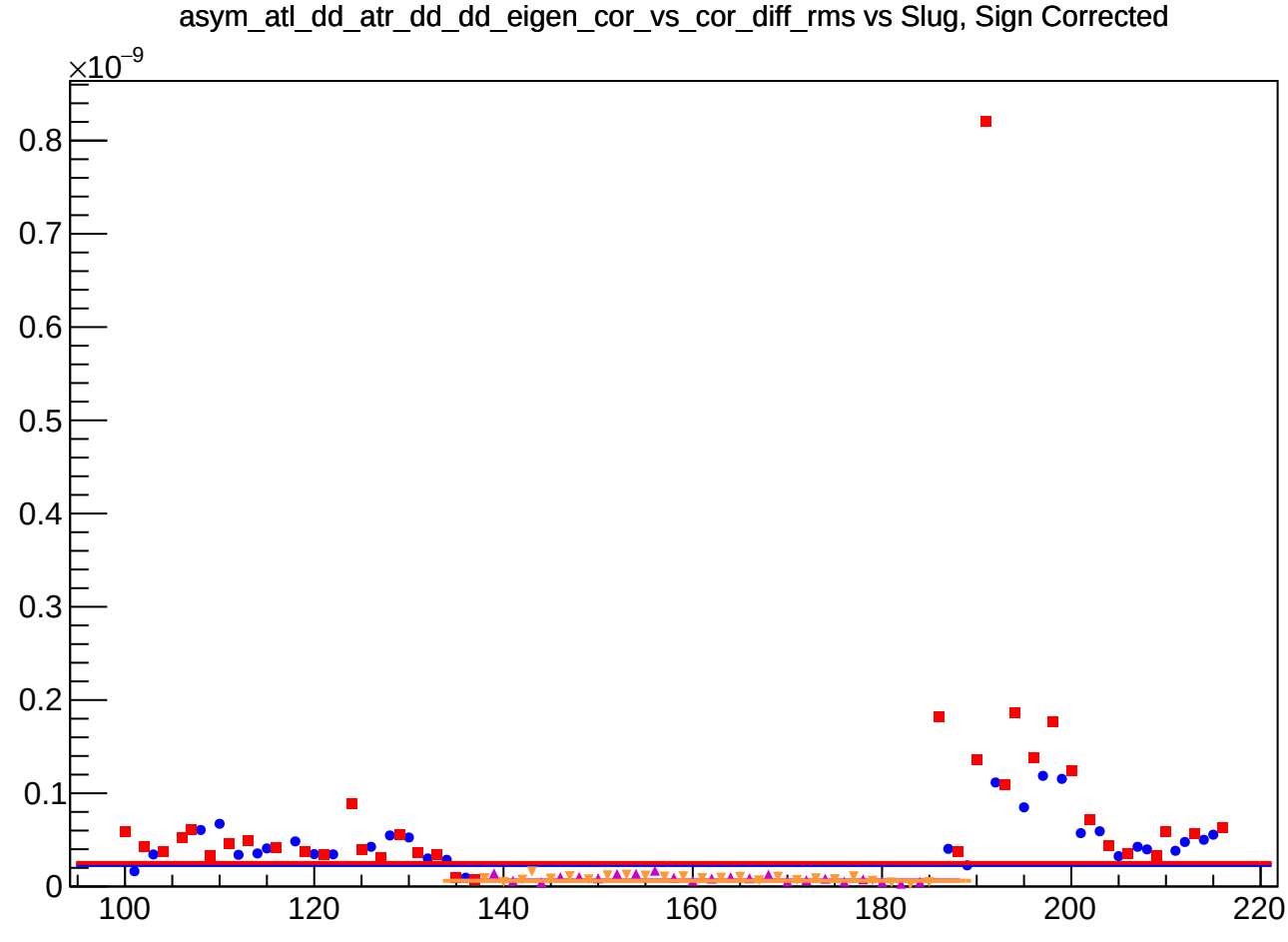
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 69.9/65

In: -0.000+/-0.000 χ^2/NDF:42.6/53

Out: -0.000+/-0.000 χ^2/NDF:81.2/59

All: -0.000+/-0.000 χ^2/NDF: 124.3/113



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: 10867383.2/34

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

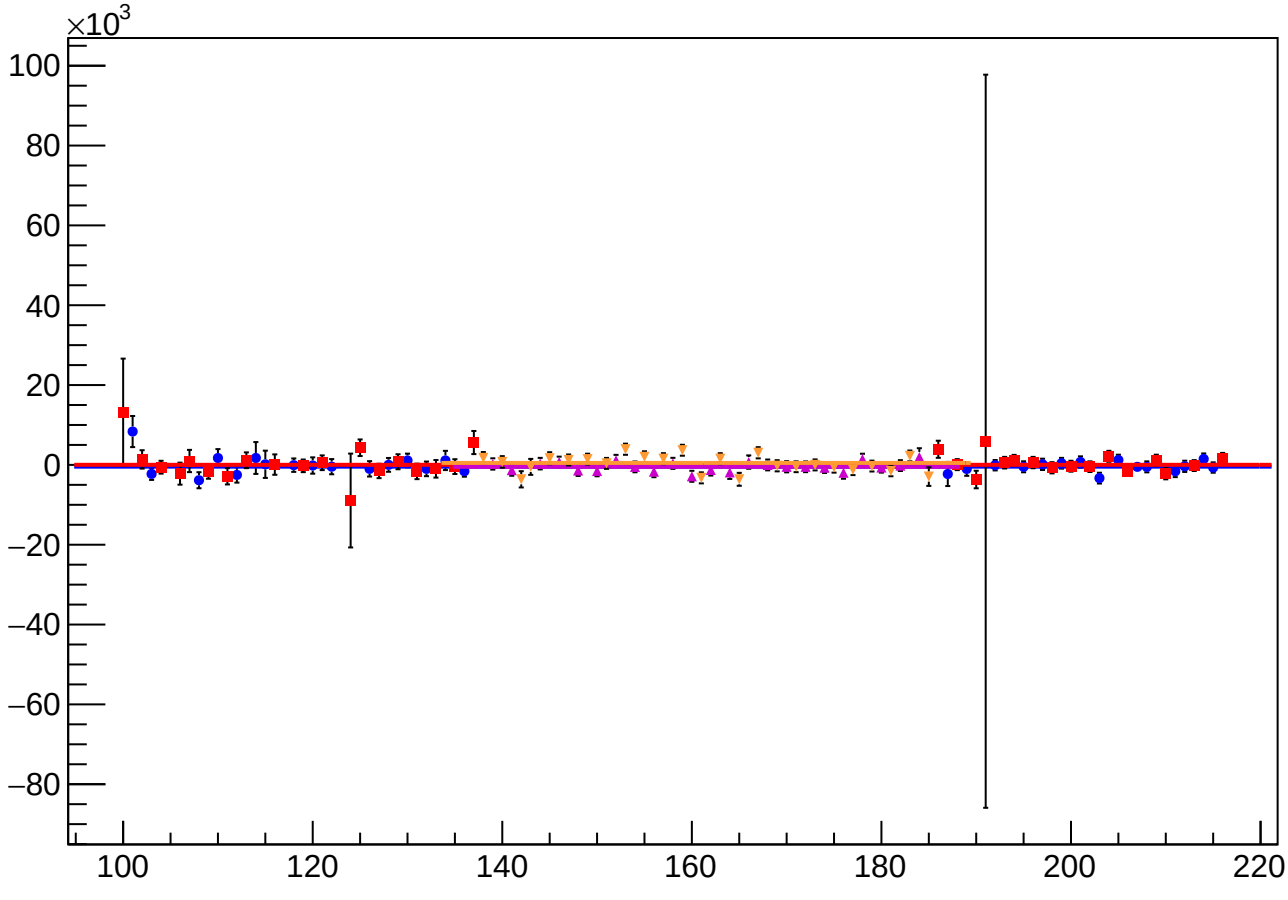
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 19458521.0/65

In: 0.000+/-0.000 χ^2/NDF:19371915.8/53

Out: 0.000+/-0.000 χ^2/NDF:23333734.7/59

All: 0.000+/-0.000 χ^2/NDF: 42748715.6/113



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: 18.969+/-294.665 χ^2/NDF: 32.2/34

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

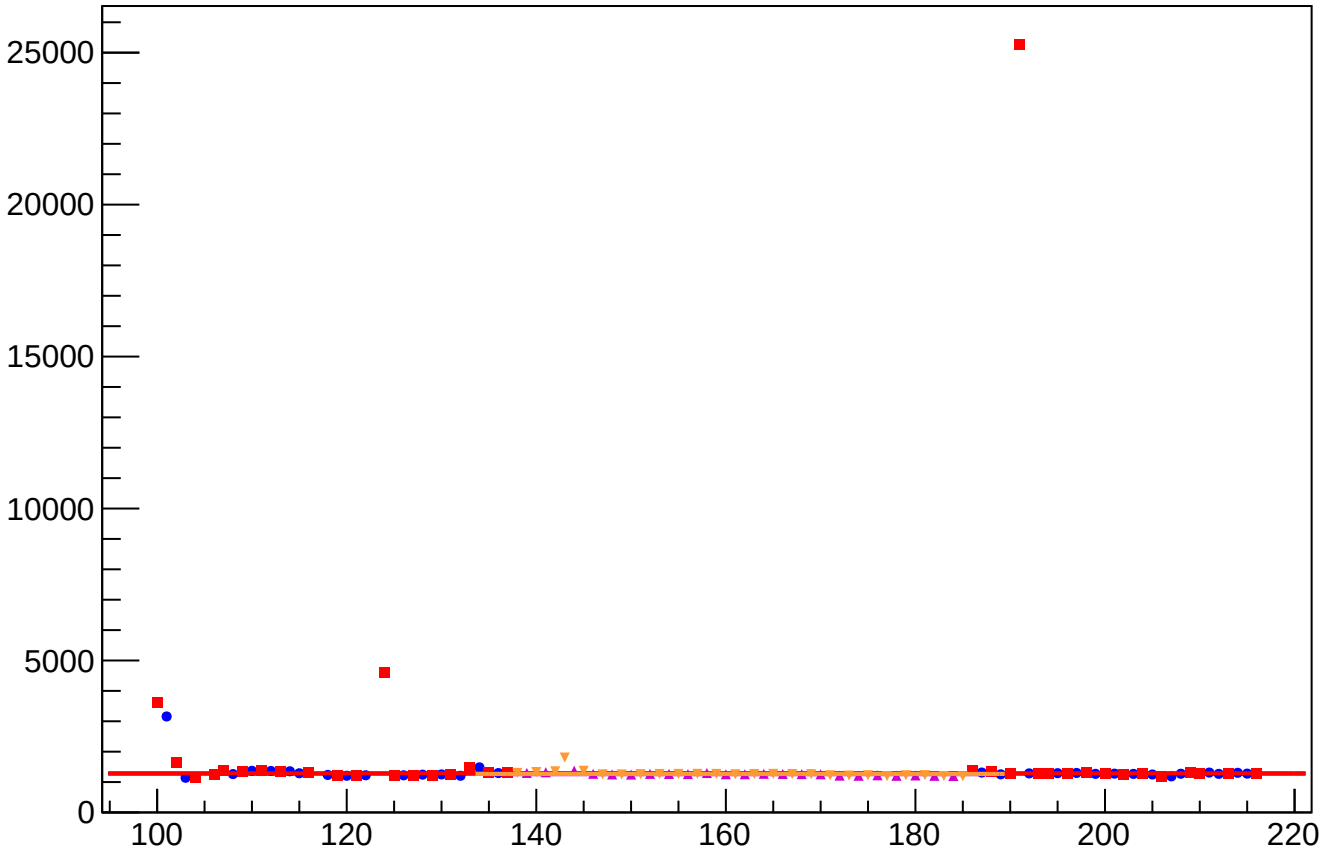
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -210.923+/-207.853 χ^2/NDF: 57.9/65

In: -462.664+/-207.538 χ^2/NDF:38.9/53

Out: 260.520+/-206.143 χ^2/NDF:80.4/59

All: -98.634+/-146.256 χ^2/NDF: 125.5/113



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: 1288.416+/-0.208 χ^2/NDF: 483049.1/34

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

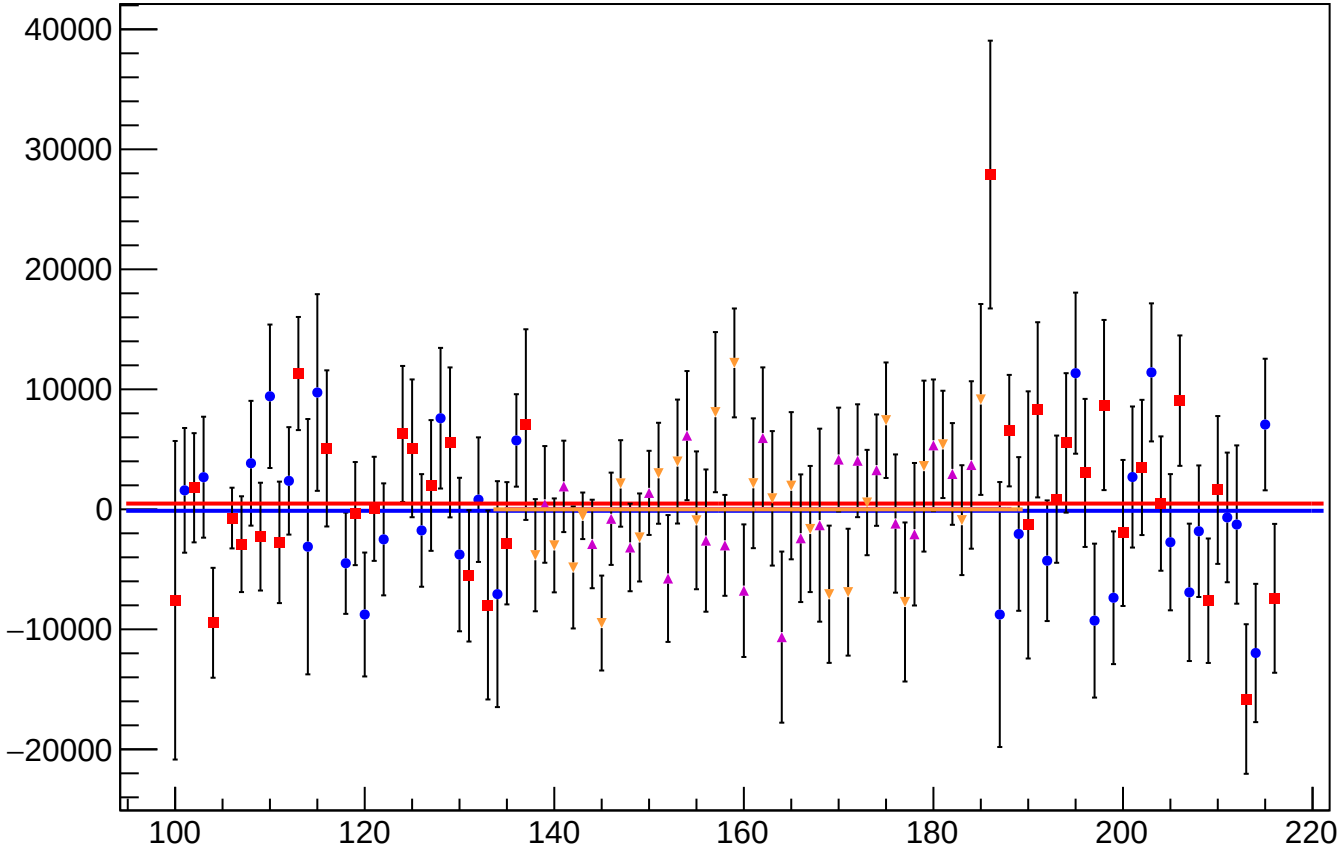
Right: 1283.525+/-0.147 χ^2/NDF: 1014389.5/65

In: 1268.130+/-0.147 χ^2/NDF:572234.4/53

Out: 1277.475+/-0.146 χ^2/NDF:676010.6/59

All: 1272.837+/-0.103 χ^2/NDF: 1250287.1/11

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -123.063+/-1002.318 χ^2/NDF: 34.6/30

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 479.384+/-897.222 χ^2/NDF: 43.7/34

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

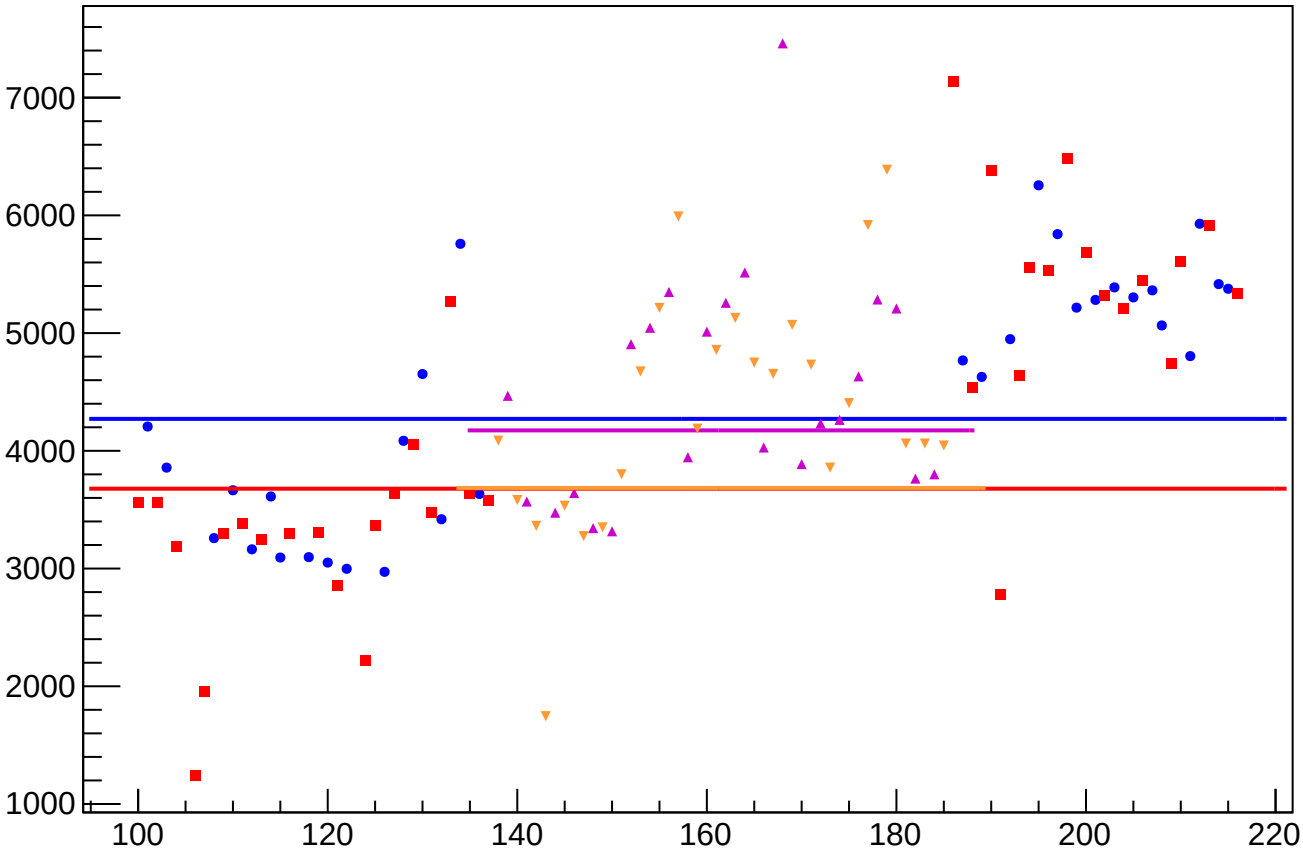
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 211.390+/-668.511 χ^2/NDF: 78.5/65

In: -45.196+/-706.269 χ^2/NDF:48.7/53

Out: 236.502+/-630.602 χ^2/NDF:72.9/59

All: 111.546+/-470.388 χ^2/NDF: 121.6/113



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: 3678.435+/-0.634 χ^2/NDF: 5224633.4/34

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

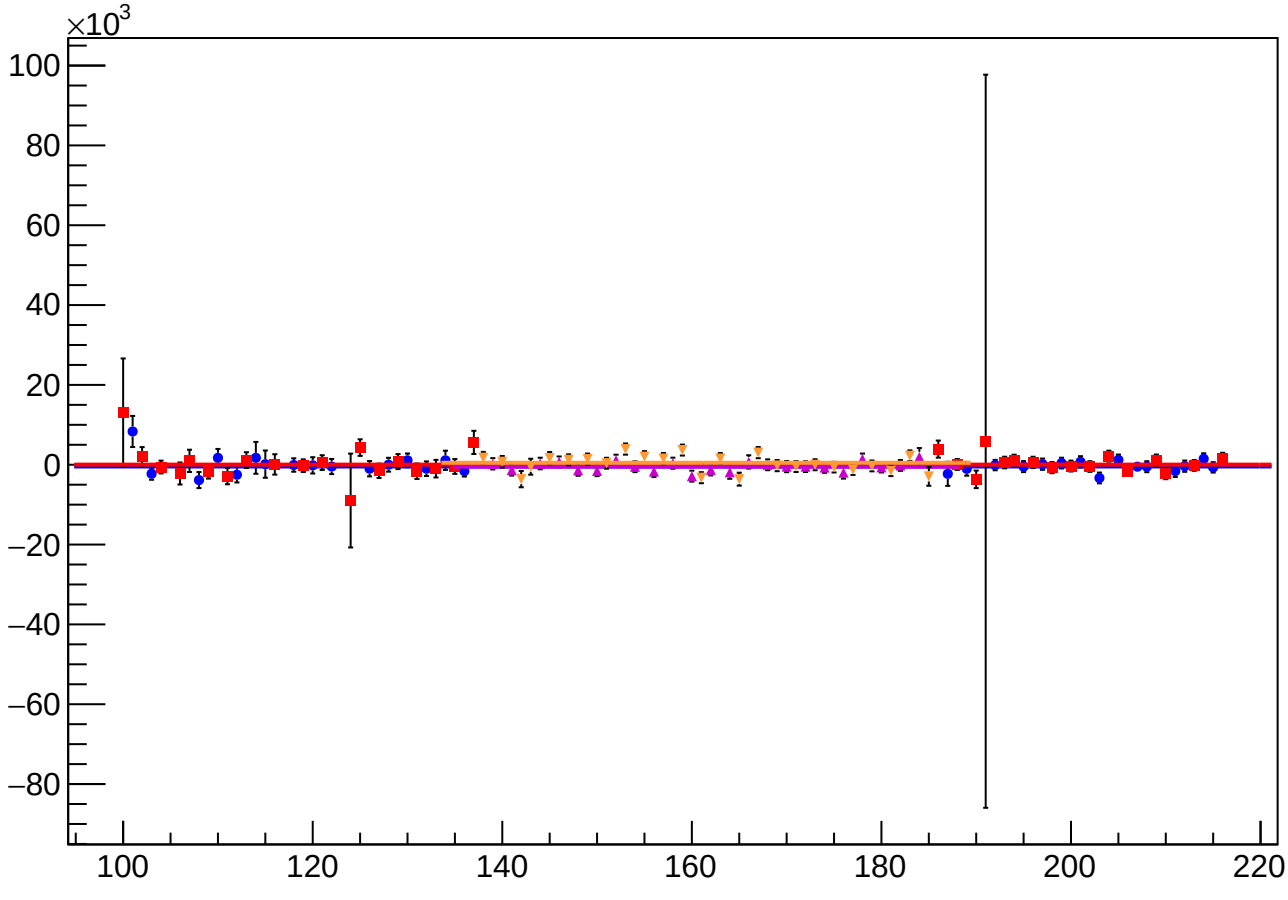
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3942.225+/-0.473 χ^2/NDF: 7652554.0/65

In: 4222.153+/-0.499 χ^2/NDF:3323855.6/53

Out: 3681.640+/-0.446 χ^2/NDF:8918330.4/59

All: 3921.401+/-0.333 χ^2/NDF: 12893971.5/1



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: 29.588+/-294.736 χ^2/NDF: 32.6/34

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

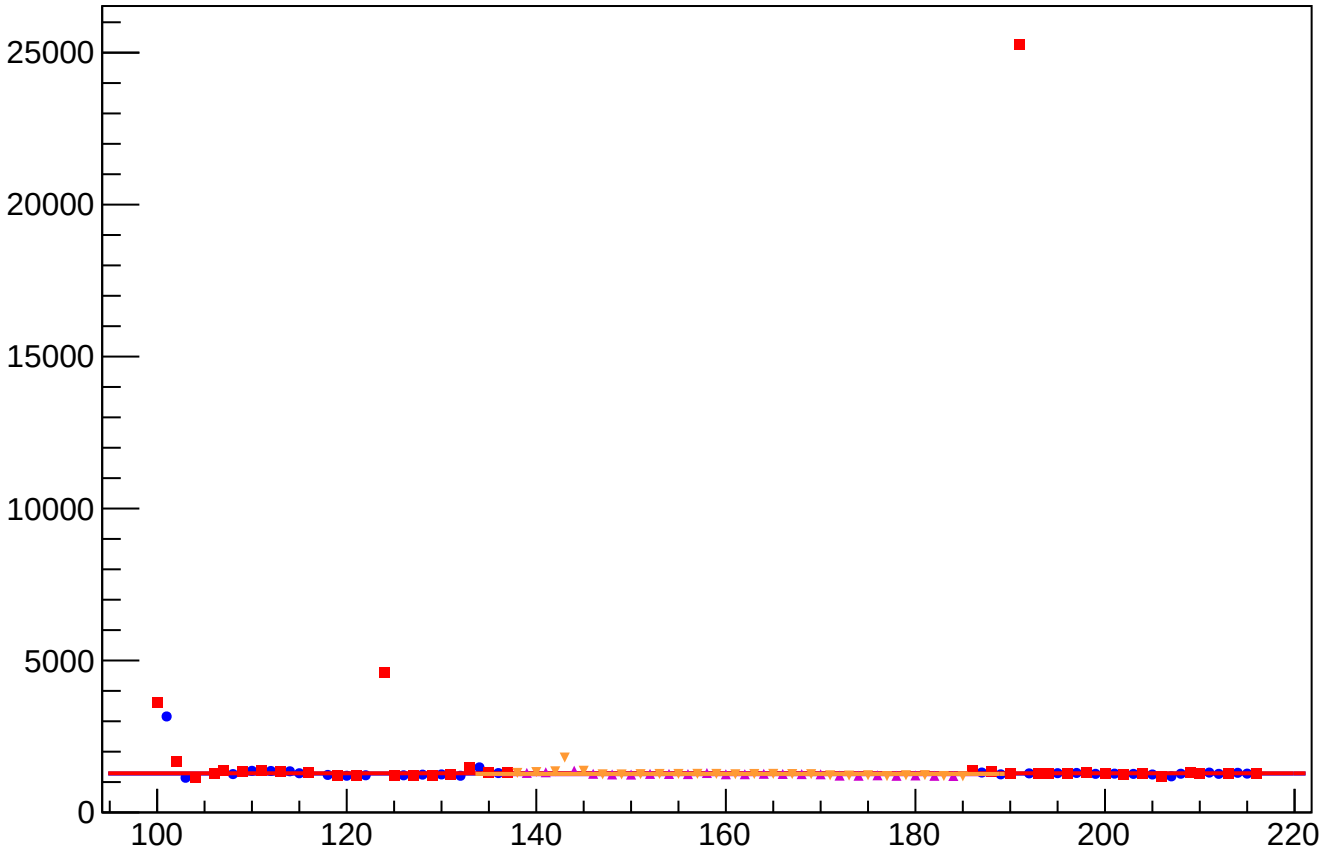
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -205.754+/-207.878 χ^2/NDF: 58.4/65

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 265.782+/-206.168 χ^2/NDF:80.8/59

All: -96.032+/-146.265 χ^2/NDF: 125.9/113



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: 1289.147+/-0.208 χ^2/NDF: 489951.7/34

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

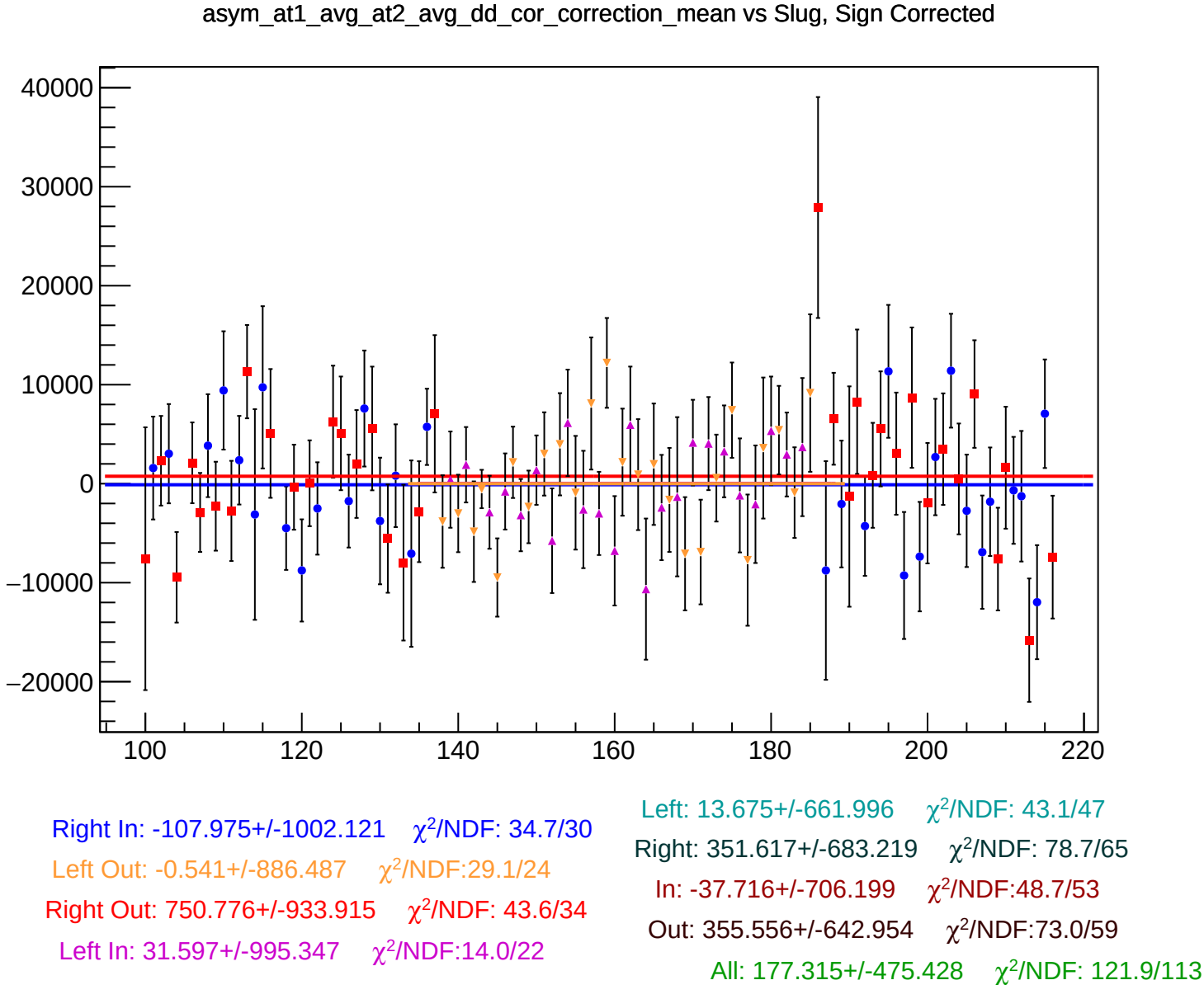
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

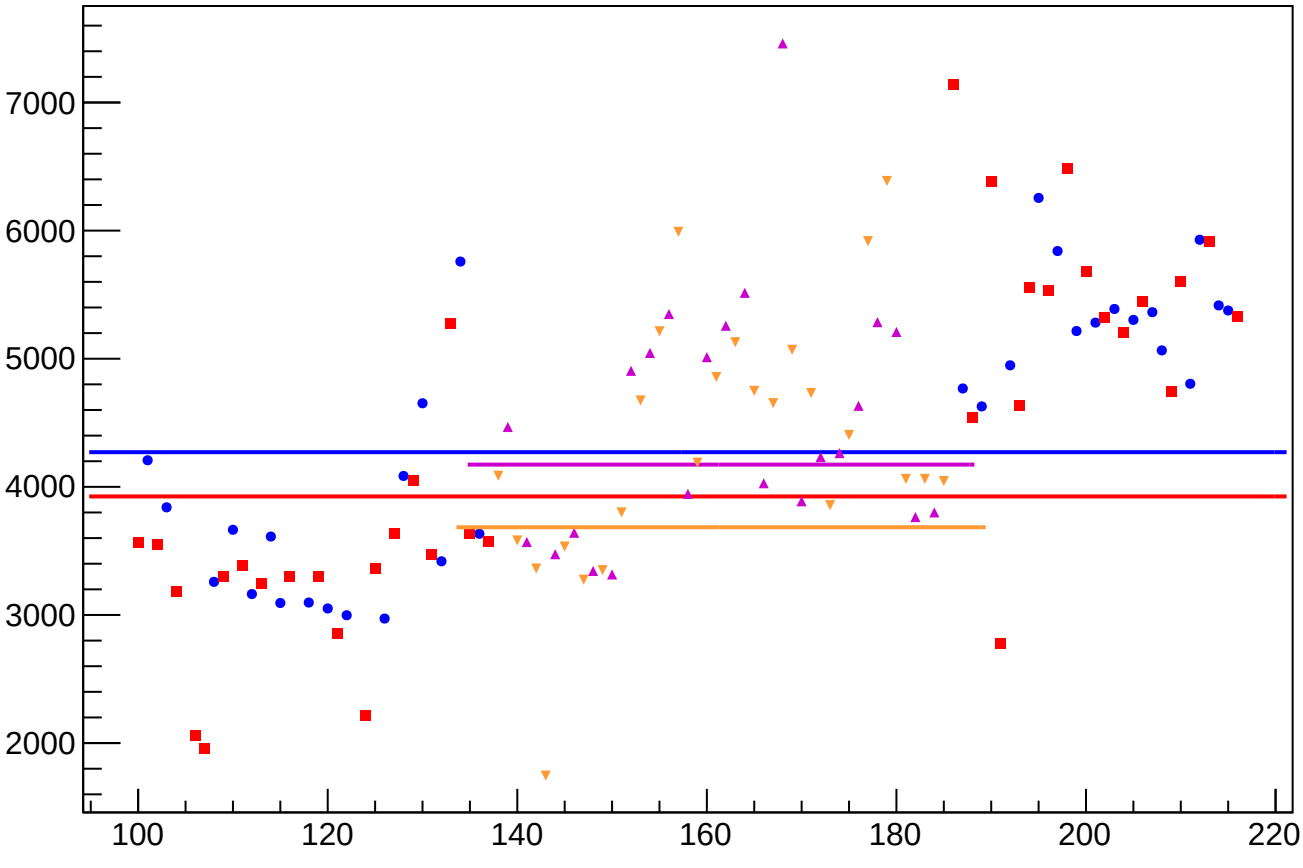
Right: 1283.886+/-0.147 χ^2/NDF: 1021464.1/65

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.827+/-0.146 χ^2/NDF:683285.4/59

All: 1273.013+/-0.103 χ^2/NDF: 1257719.6/11


asym_at1_avg_at2_avg_dd_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: 750.776+/-933.915 χ²/NDF: 43.6/34
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 351.617+/-683.219 χ²/NDF: 78.7/65
In: -37.716+/-706.199 χ²/NDF:48.7/53
Out: 355.556+/-642.954 χ²/NDF:73.0/59
All: 177.315+/-475.428 χ²/NDF: 121.9/113



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: 3925.142+/-0.660 χ^2/NDF: 3543440.7/34

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

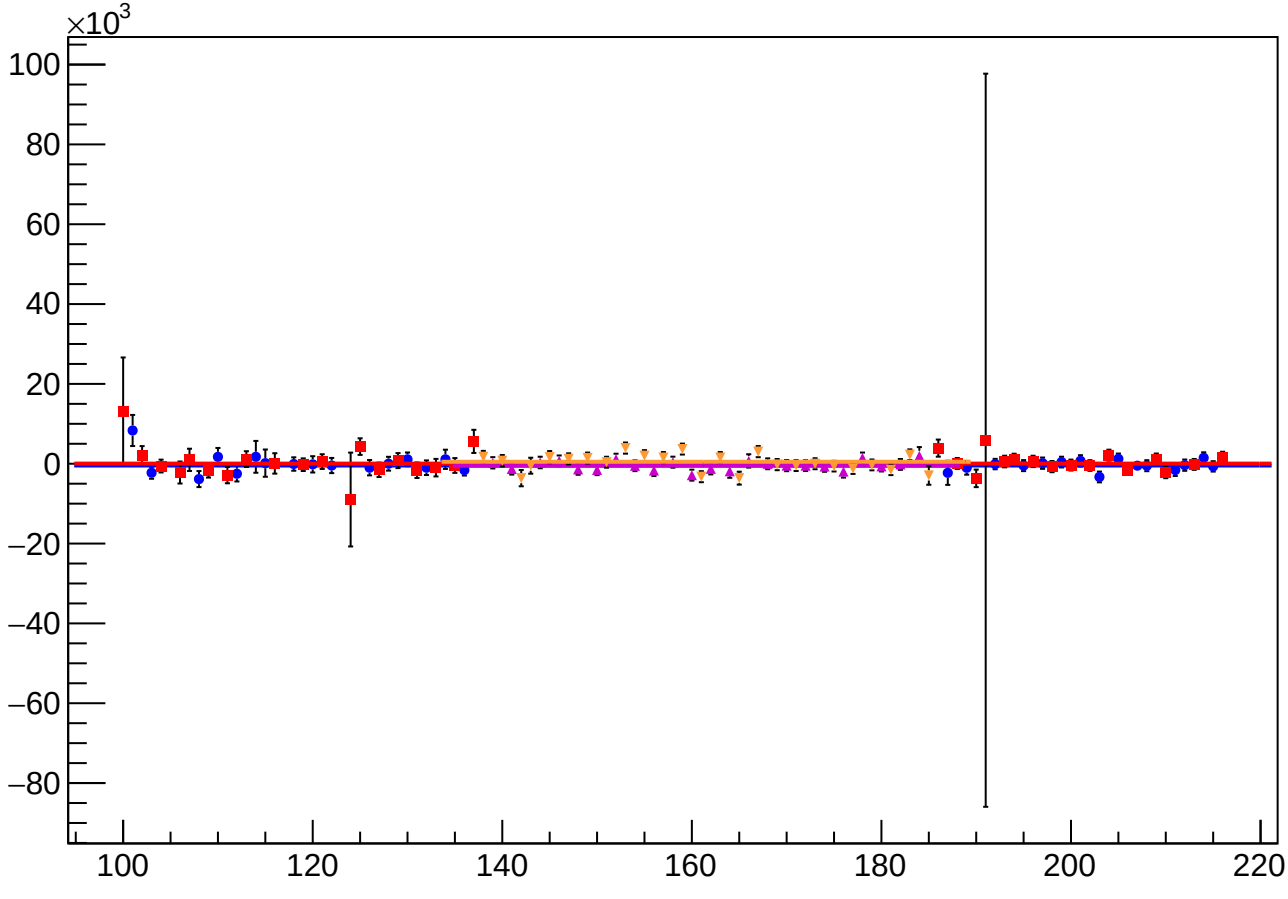
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4085.720+/-0.483 χ^2/NDF: 5711231.3/65

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3798.693+/-0.455 χ^2/NDF:7306827.4/59

All: 3990.434+/-0.336 χ^2/NDF: 11024271.5/1



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: 29.588+/-294.736 χ^2/NDF: 32.6/34

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

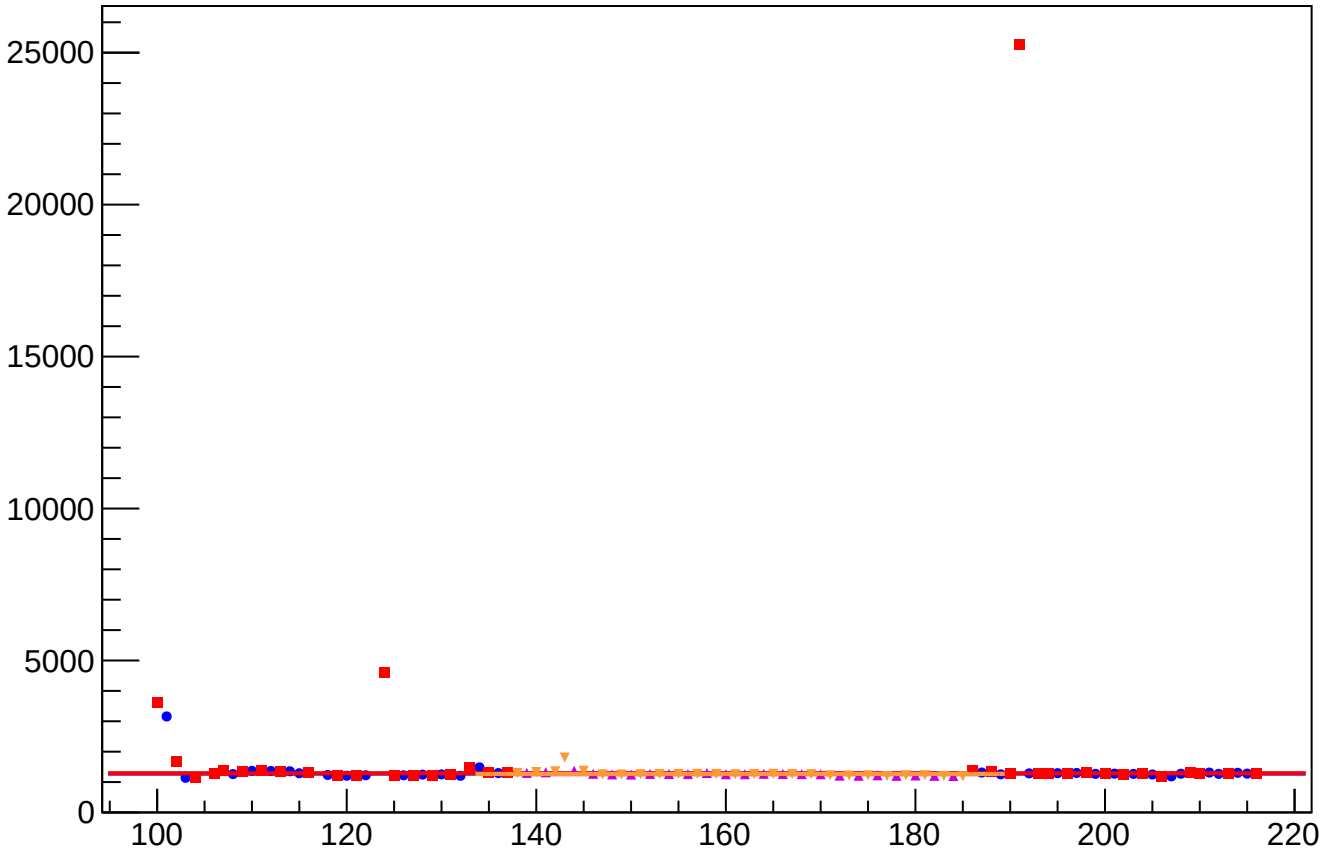
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -205.754+/-207.878 χ^2/NDF: 58.4/65

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 265.782+/-206.168 χ^2/NDF:80.8/59

All: -96.032+/-146.265 χ^2/NDF: 125.9/113



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: 1289.147+/-0.208 χ^2/NDF: 489951.7/34

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

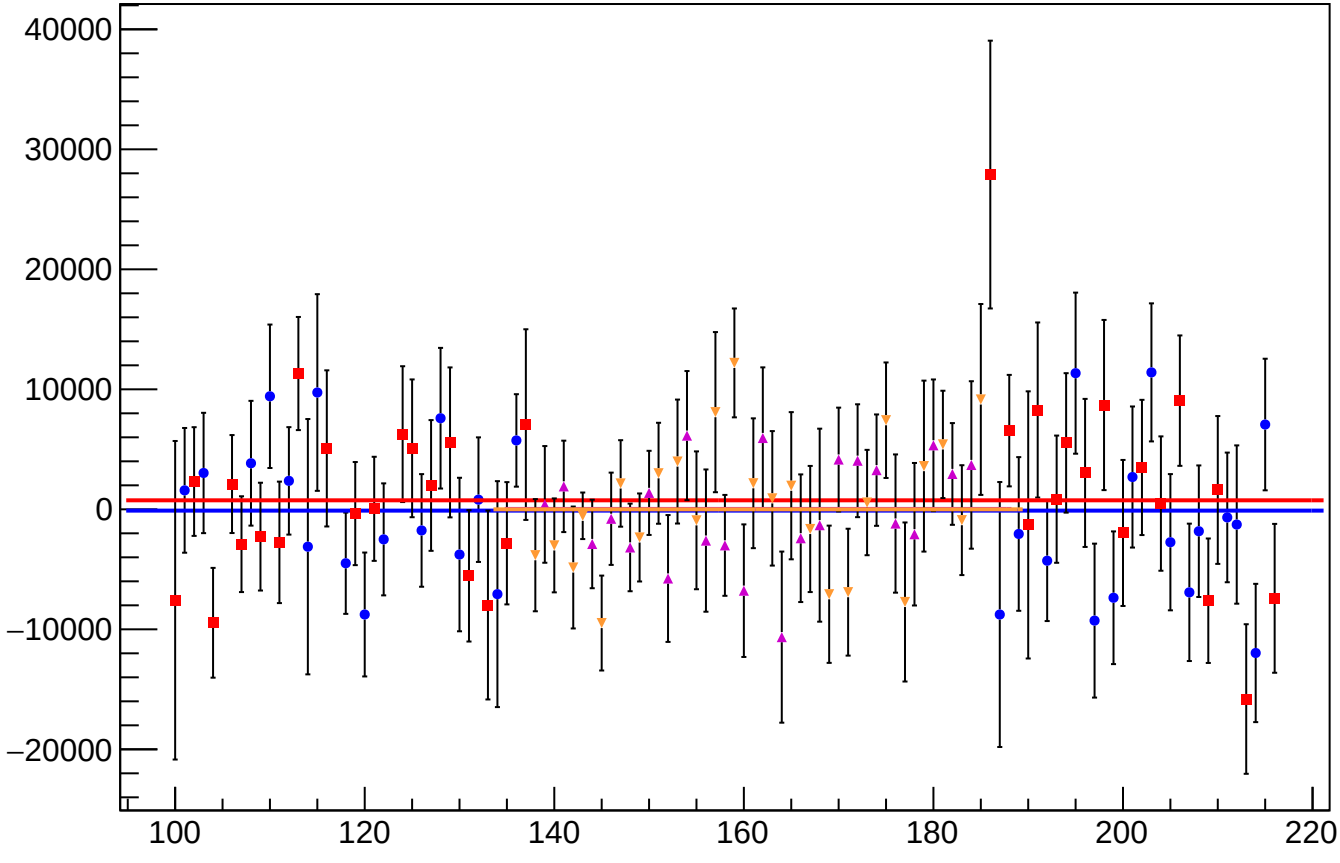
Right: 1283.886+/-0.147 χ^2/NDF: 1021464.1/65

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.827+/-0.146 χ^2/NDF:683285.4/59

All: 1273.013+/-0.103 χ^2/NDF: 1257719.6/11

asym_at1_avg_at2_avg_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: 750.776+/-933.915 χ^2/NDF: 43.6/34

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

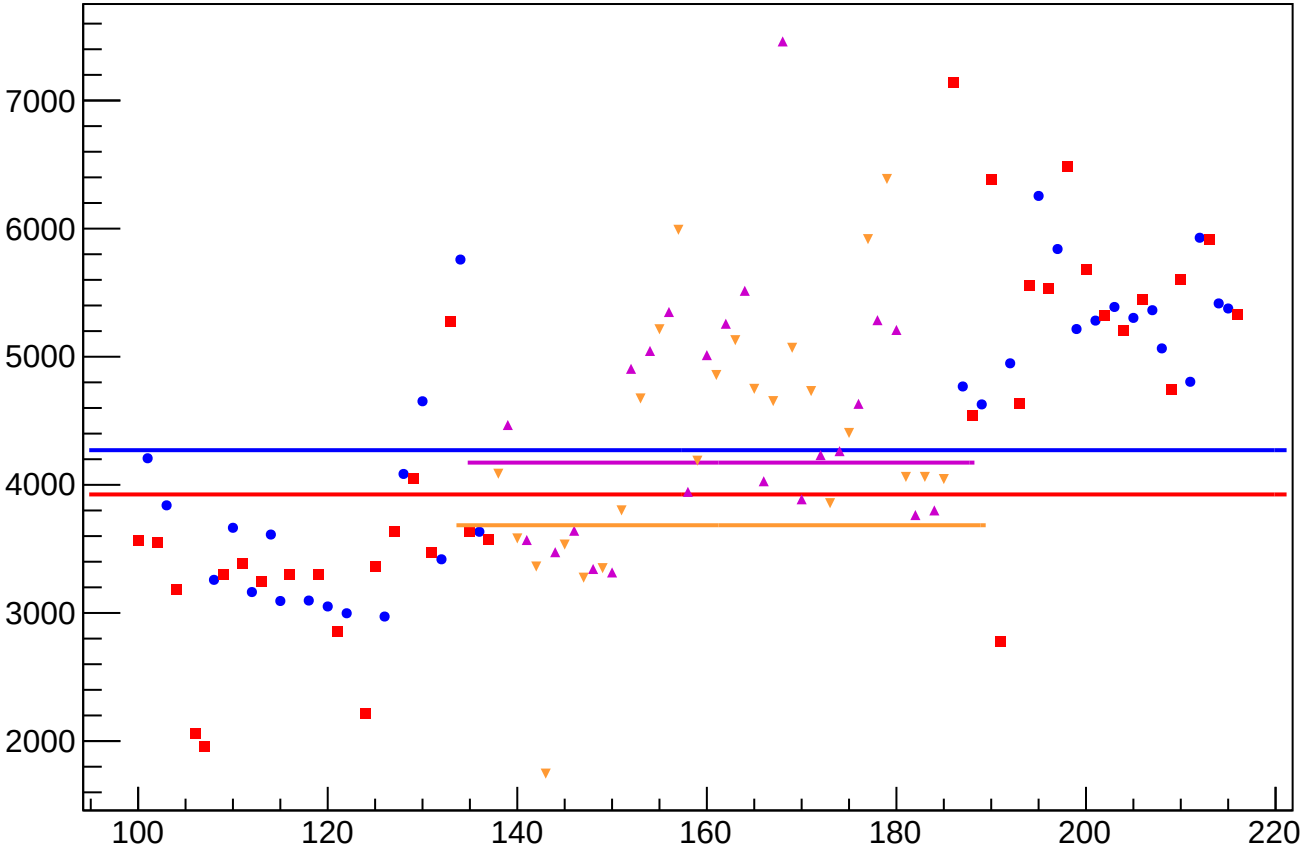
Right: 351.617+/-683.219 χ^2/NDF: 78.7/65

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 355.556+/-642.954 χ^2/NDF:73.0/59

All: 177.315+/-475.428 χ^2/NDF: 121.9/113

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: 3925.142+/-0.660 χ^2/NDF: 3543440.7/34

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

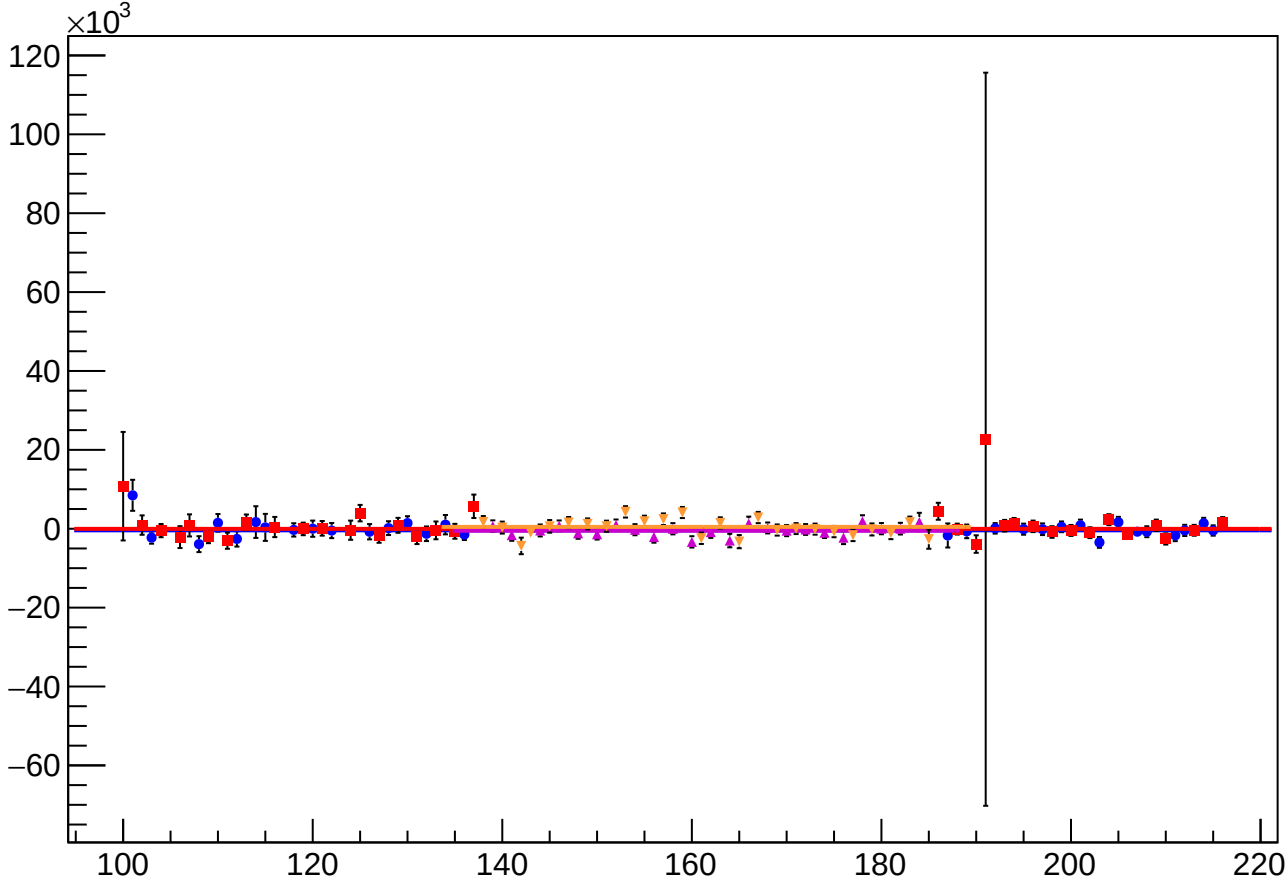
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4085.720+/-0.483 χ^2/NDF: 5711231.3/65

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3798.693+/-0.455 χ^2/NDF:7306827.4/59

All: 3990.434+/-0.336 χ^2/NDF: 11024271.5/1



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: -31.504+/-296.938 χ^2/NDF: 33.8/34

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

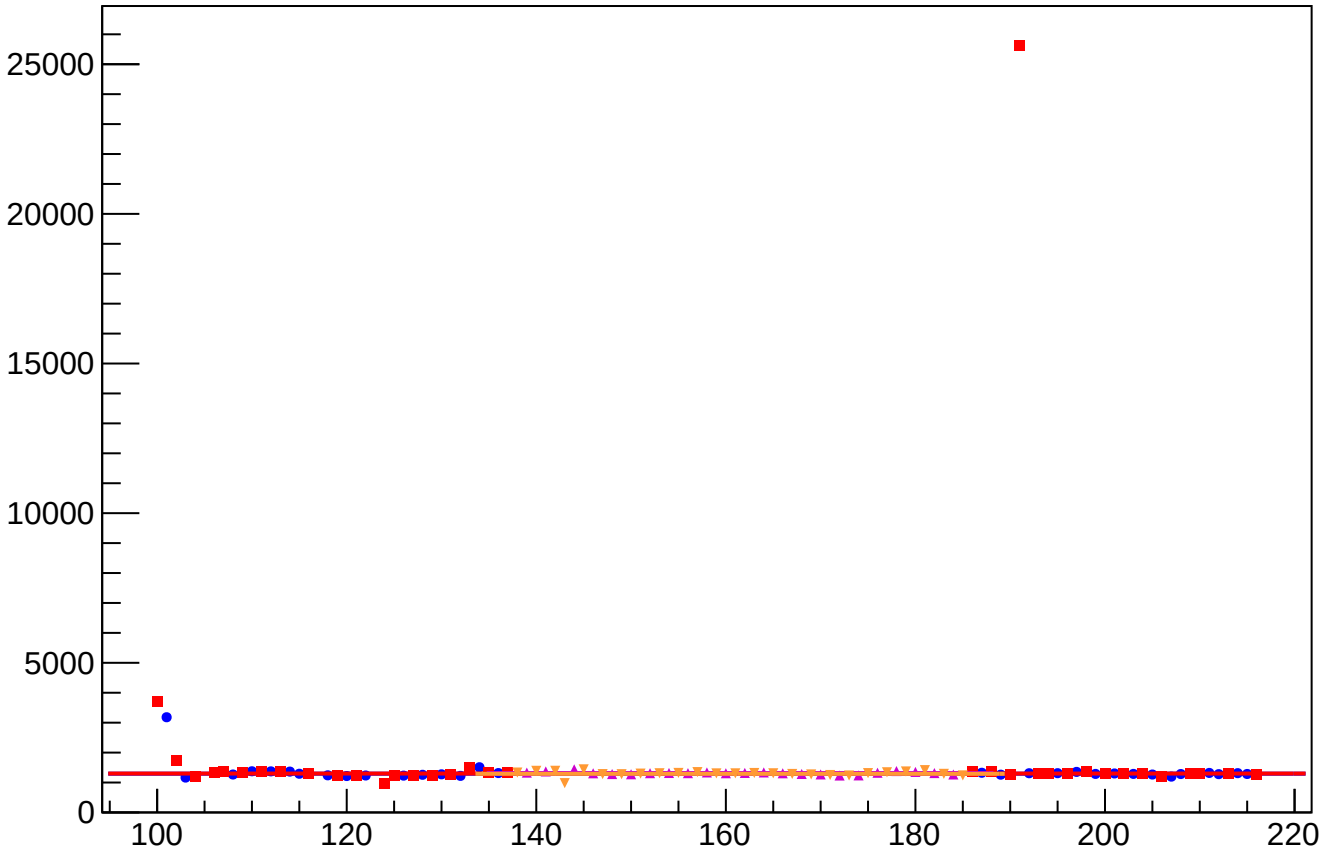
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -217.426+/-209.975 χ^2/NDF: 60.2/65

In: -451.795+/-213.463 χ^2/NDF:43.1/53

Out: 220.477+/-209.012 χ^2/NDF:79.3/59

All: -108.578+/-149.343 χ^2/NDF: 127.5/113



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: 1299.977+/-0.210 χ^2/NDF: 378886.7/34

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

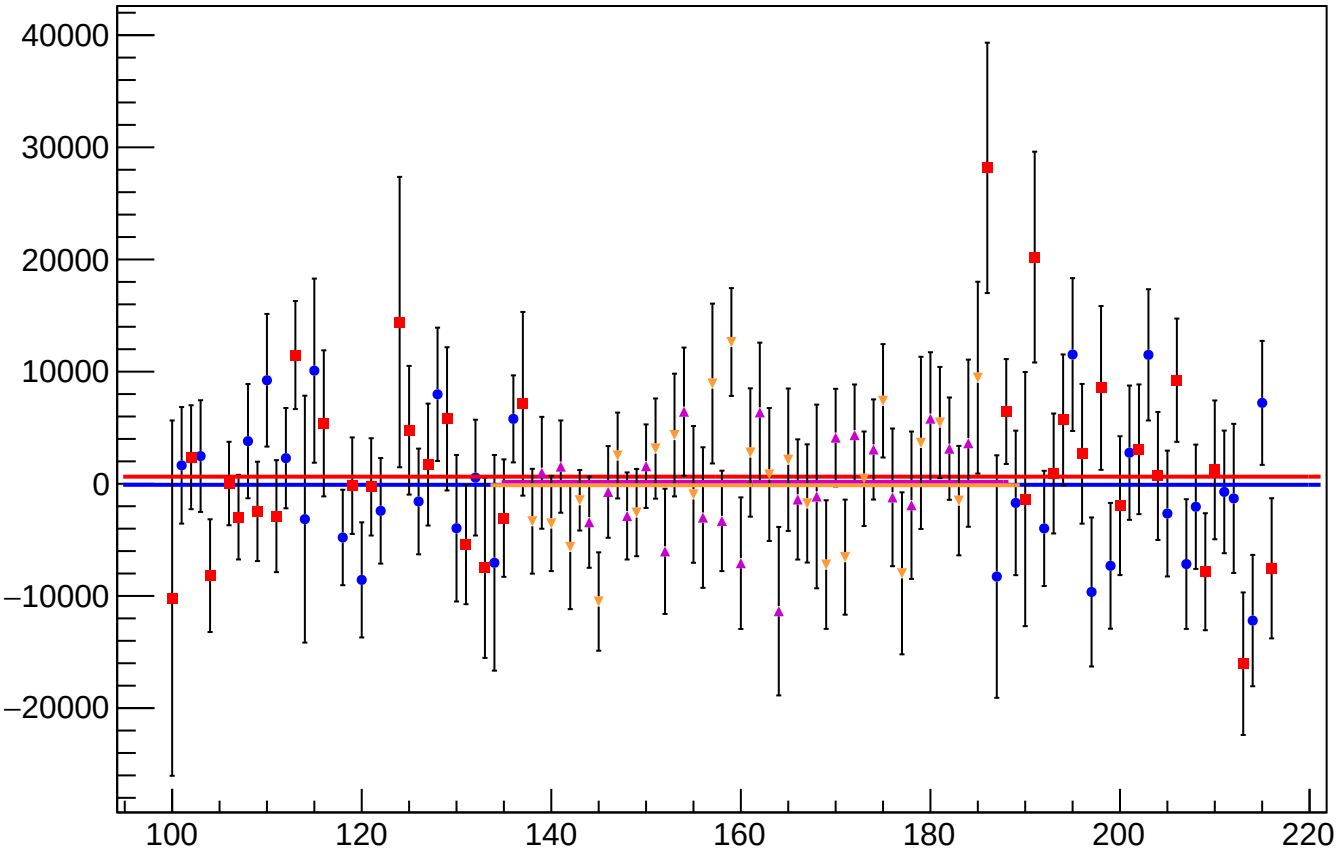
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1297.388+/-0.148 χ^2/NDF: 909400.2/65

In: 1304.080+/-0.151 χ^2/NDF:577298.1/53

Out: 1295.555+/-0.148 χ^2/NDF:610501.5/59

All: 1299.727+/-0.106 χ^2/NDF: 1189428.5/11



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: 634.939+/-949.479 χ^2/NDF: 45.2/34

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

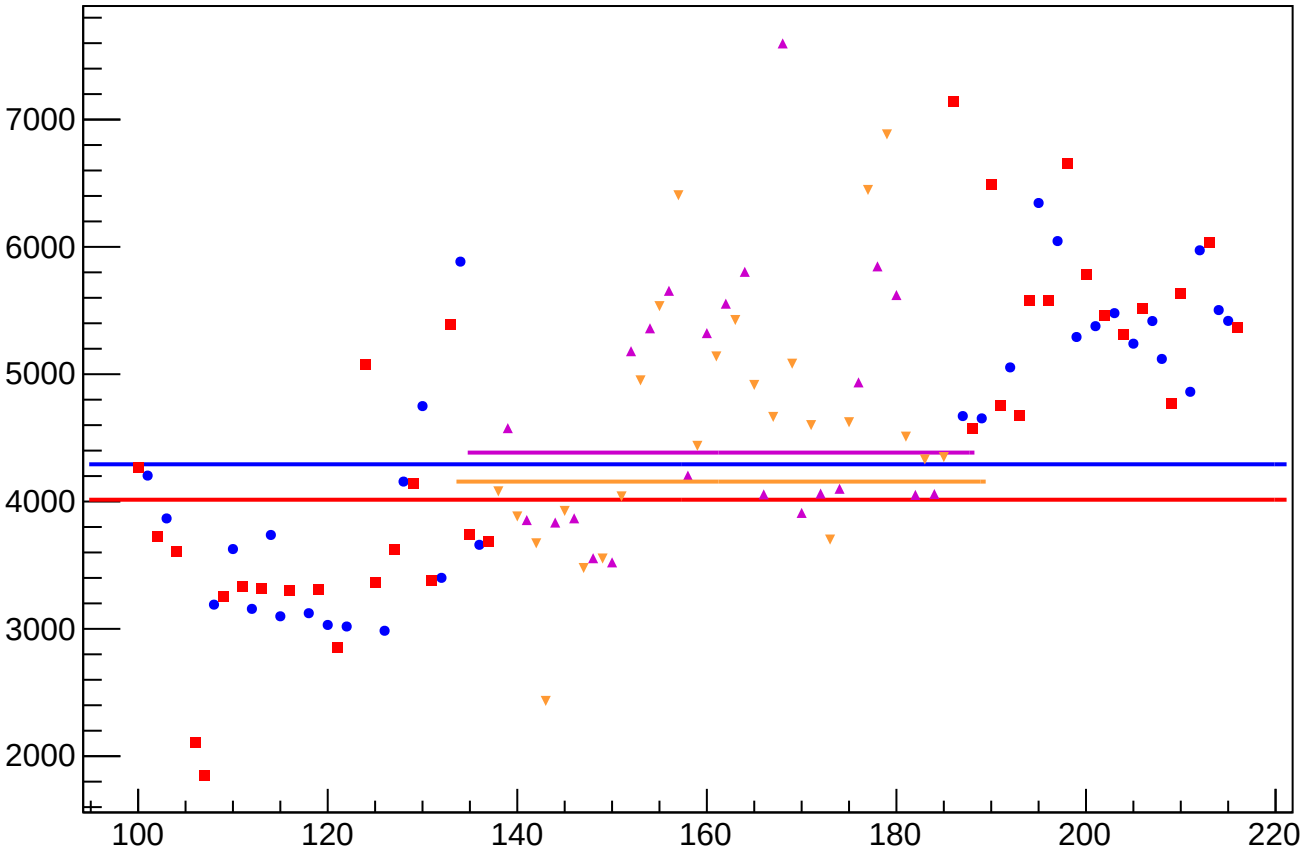
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 294.384+/-691.276 χ^2/NDF: 80.0/65

In: 30.350+/-725.812 χ^2/NDF:48.4/53

Out: 264.809+/-680.983 χ^2/NDF:74.1/59

All: 155.043+/-496.620 χ^2/NDF: 122.5/113



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: 4014.174+/-0.671 χ^2/NDF: 3581136.8/34

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

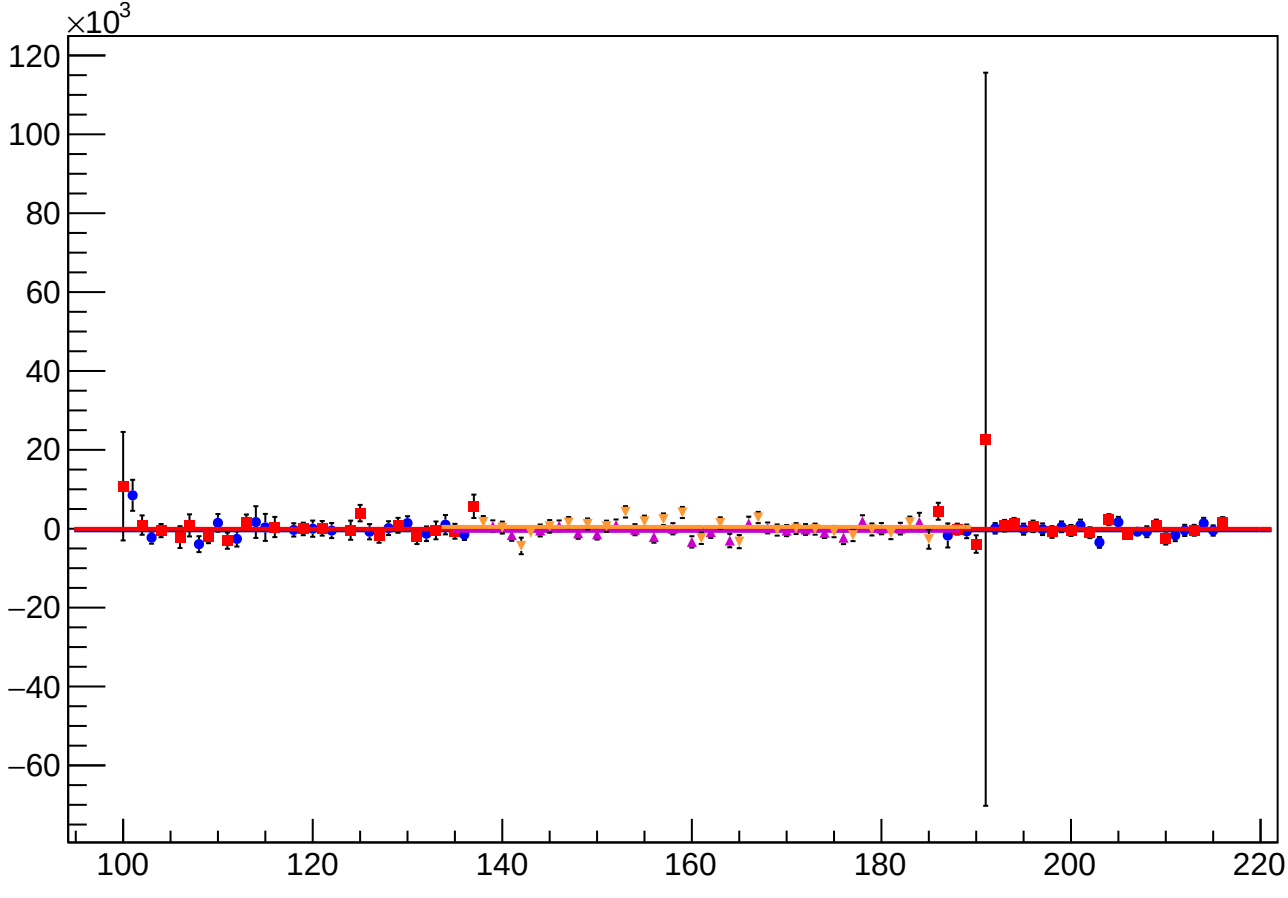
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4144.956+/-0.489 χ^2/NDF: 5803949.4/65

In: 4336.739+/-0.513 χ^2/NDF:3405534.8/53

Out: 4083.327+/-0.482 χ^2/NDF:5683750.4/59

All: 4201.966+/-0.351 χ^2/NDF: 9218946.9/11



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: -31.505+/-296.938 χ^2/NDF: 33.8/34

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

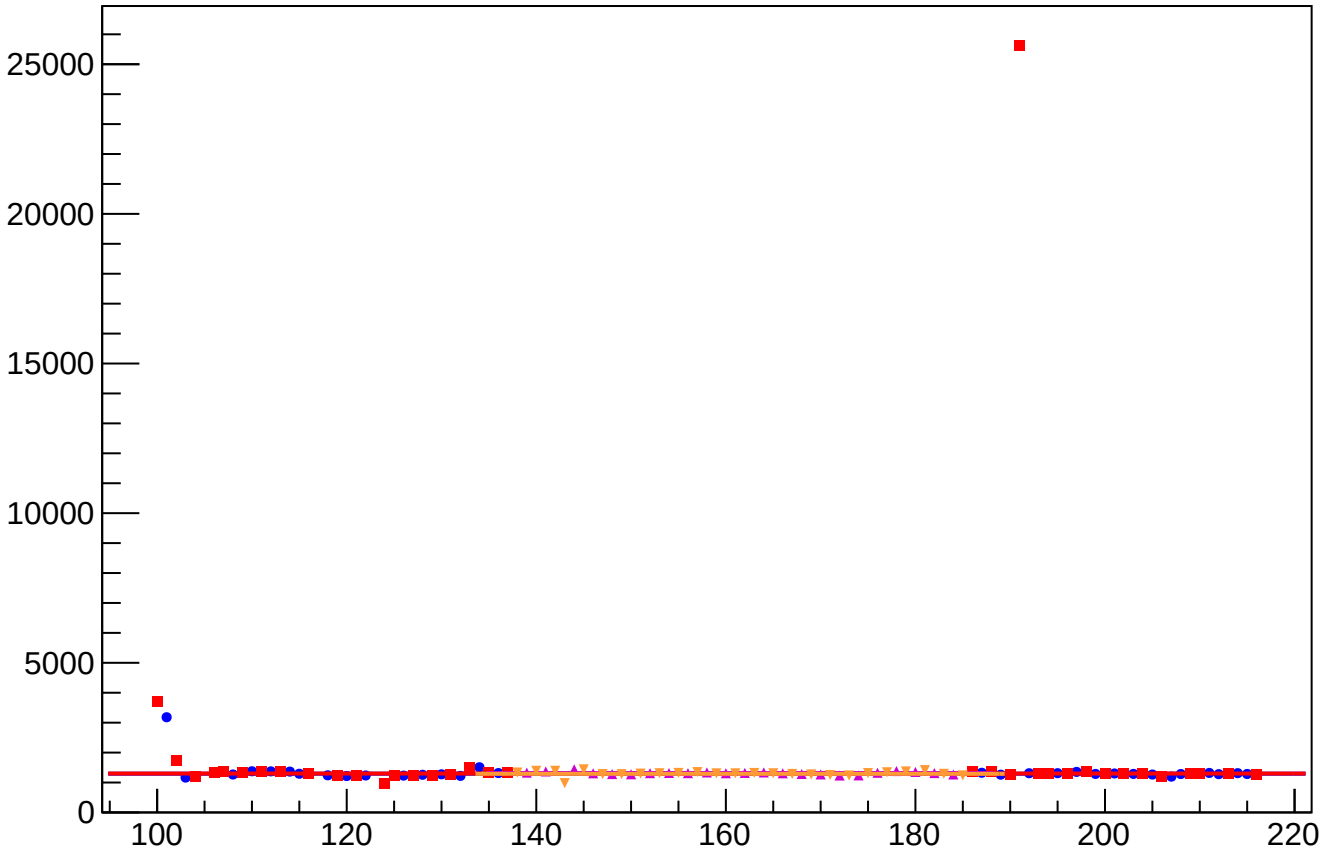
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -217.426+/-209.975 χ^2/NDF: 60.2/65

In: -451.794+/-213.463 χ^2/NDF:43.1/53

Out: 220.478+/-209.013 χ^2/NDF:79.3/59

All: -108.577+/-149.343 χ^2/NDF: 127.5/113



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: 1299.977+/-0.210 χ^2/NDF: 378886.8/34

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

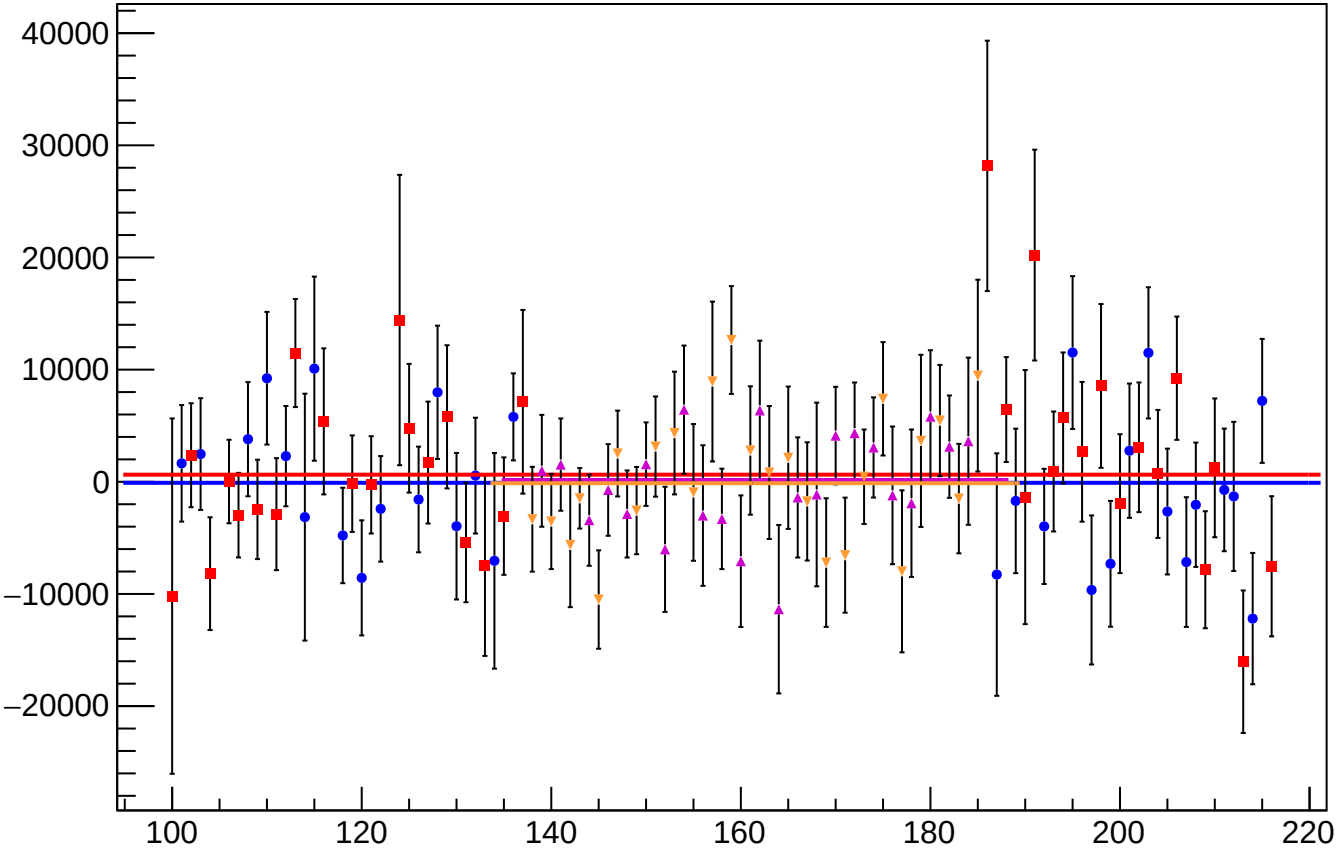
Right: 1297.388+/-0.148 χ^2/NDF: 909400.4/65

In: 1304.081+/-0.151 χ^2/NDF:577300.9/53

Out: 1295.556+/-0.148 χ^2/NDF:610503.9/59

All: 1299.728+/-0.106 χ^2/NDF: 1189433.6/11

asym_at1_avg_at2_avg_dd_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: 634.934+/-949.478 χ^2/NDF: 45.2/34

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

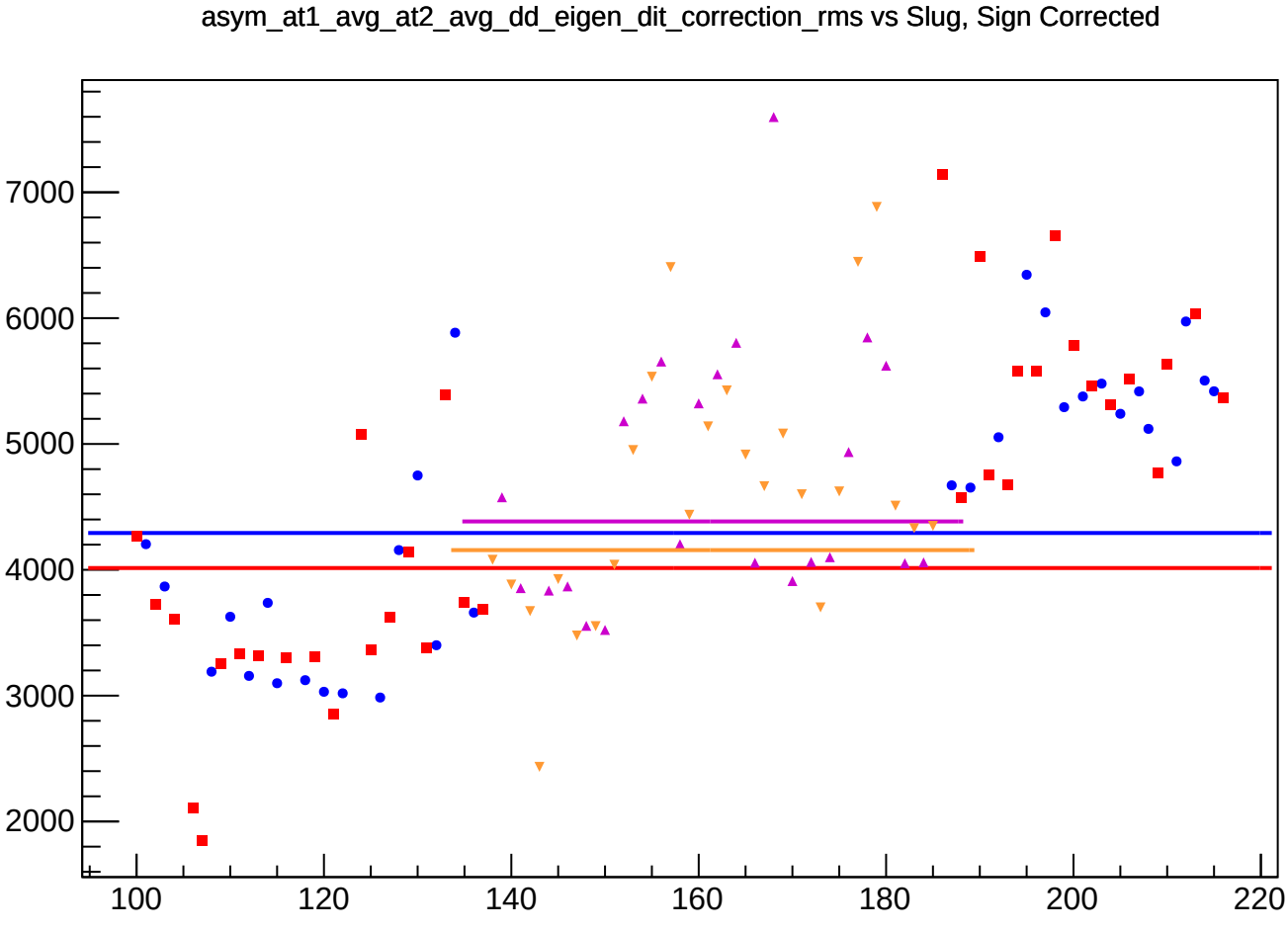
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 294.380+/-691.275 χ^2/NDF: 80.0/65

In: 30.348+/-725.813 χ^2/NDF:48.4/53

Out: 264.809+/-680.983 χ^2/NDF:74.1/59

All: 155.042+/-496.620 χ^2/NDF: 122.5/113



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: 4014.168+/-0.671 χ^2/NDF: 3581172.3/34

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

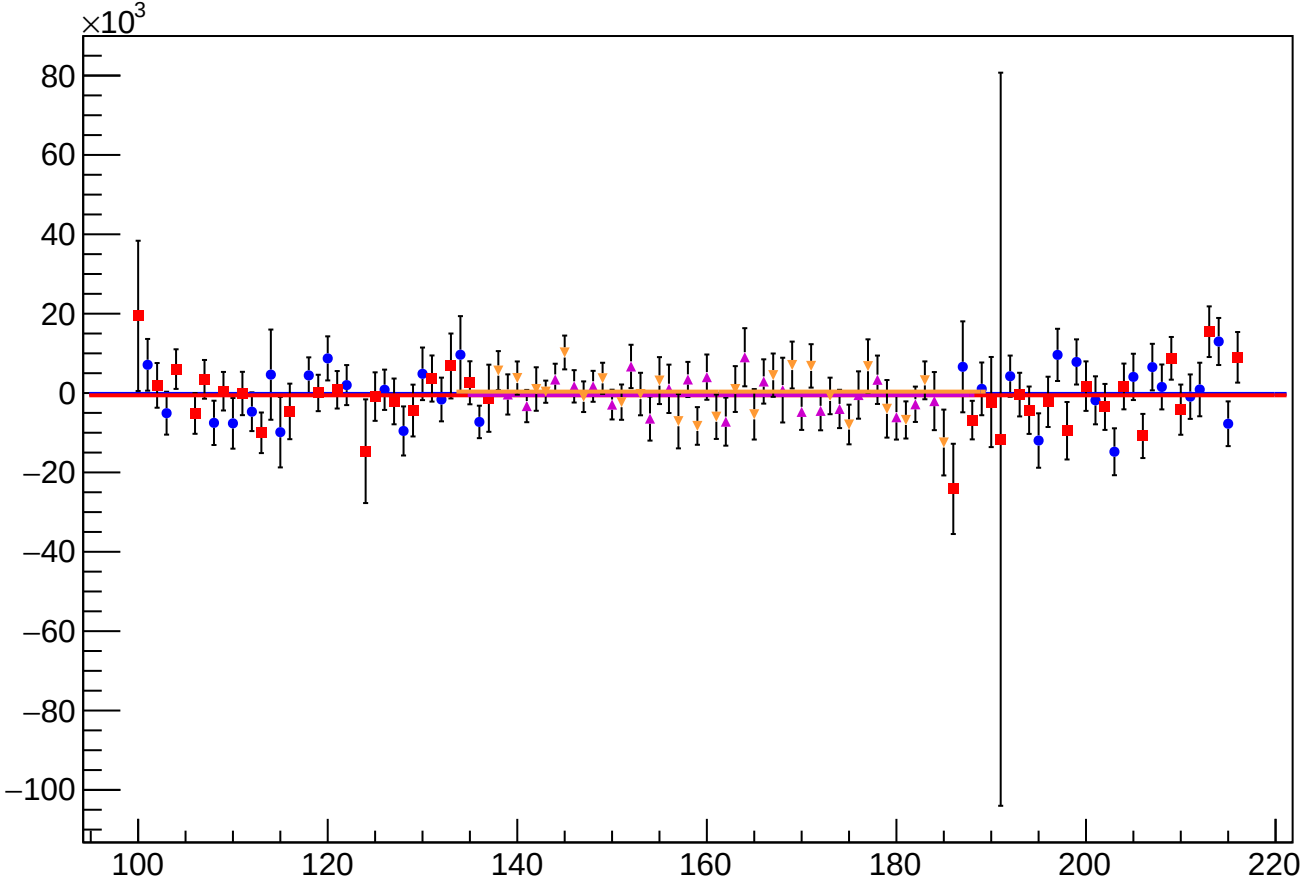
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4144.950+/-0.489 χ^2/NDF: 5804024.0/65

In: 4336.740+/-0.513 χ^2/NDF:3405579.4/53

Out: 4083.327+/-0.482 χ^2/NDF:5683792.6/59

All: 4201.966+/-0.351 χ^2/NDF: 9219034.3/11



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: -567.702+/-1026.015 χ^2/NDF: 35.5/34

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

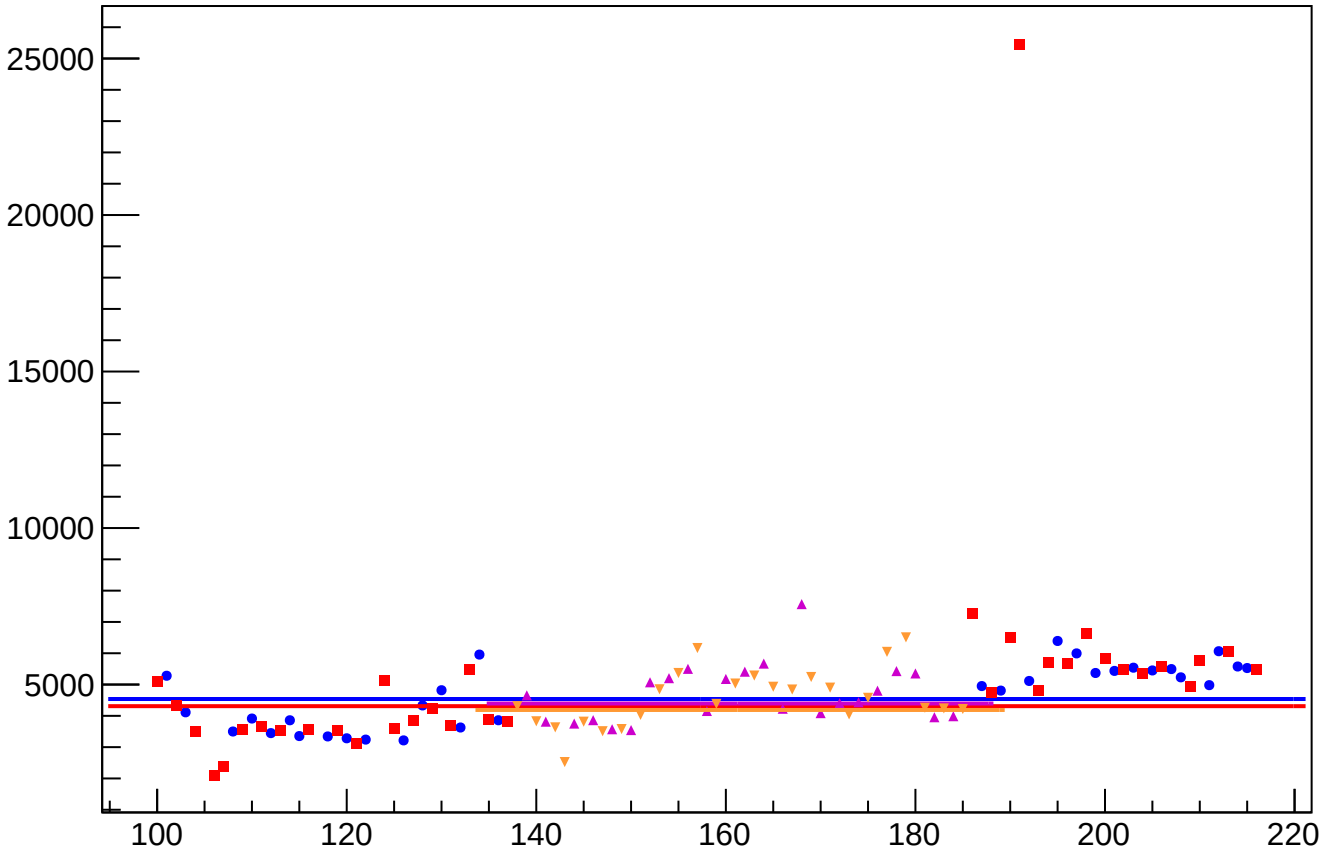
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -400.001+/-737.241 χ^2/NDF: 76.9/65

In: -361.271+/-744.084 χ^2/NDF:55.3/53

Out: -81.194+/-708.621 χ^2/NDF:63.6/59

All: -214.399+/-513.150 χ^2/NDF: 119.0/113



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: 4309.396+/-0.720 χ^2/NDF: 2840615.1/34

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

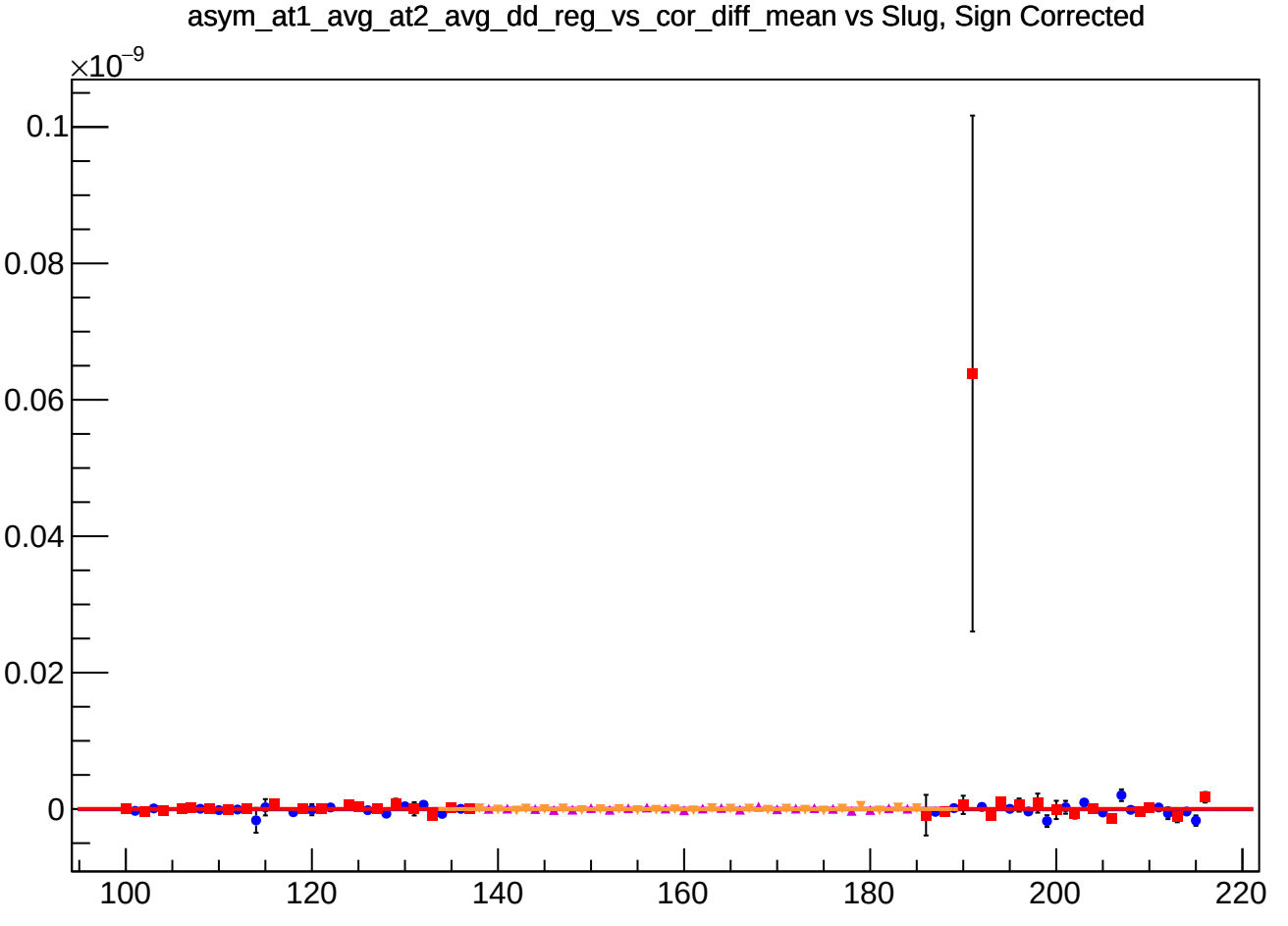
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4419.111+/-0.519 χ^2/NDF: 4613204.8/65

In: 4465.187+/-0.526 χ^2/NDF:2831196.7/53

Out: 4246.321+/-0.499 χ^2/NDF:4651765.8/59

All: 4349.989+/-0.362 χ^2/NDF: 7574040.4/11



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: 40.3/34

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

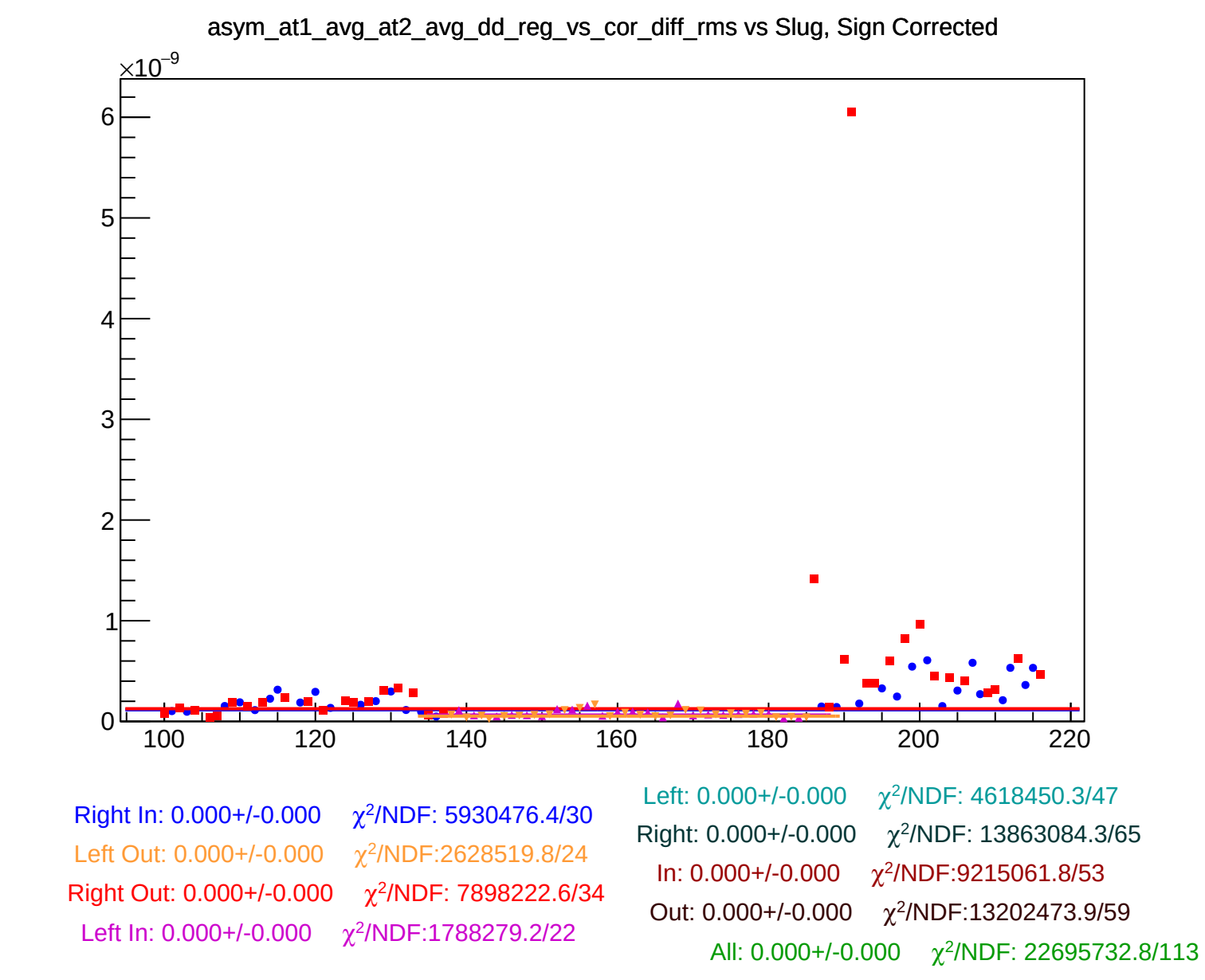
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 81.1/65

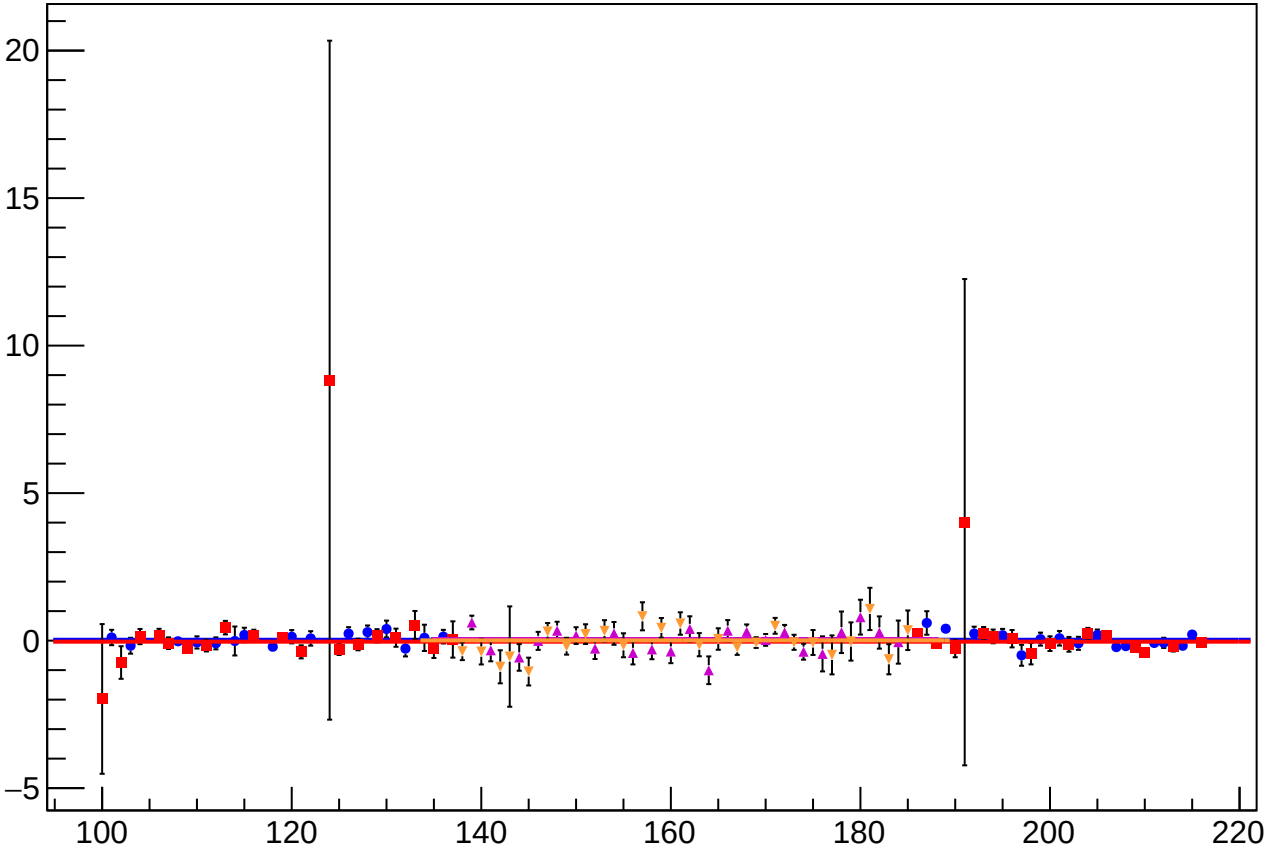
In: 0.000+/-0.000 χ^2/NDF:58.2/53

Out: -0.000+/-0.000 χ^2/NDF:70.9/59

All: 0.000+/-0.000 χ^2/NDF: 129.3/113


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: 7898222.6/34
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: 13863084.3/65
In: 0.000+/-0.000 χ²/NDF:9215061.8/53
Out: 0.000+/-0.000 χ²/NDF:13202473.9/59
All: 0.000+/-0.000 χ²/NDF: 22695732.8/113

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

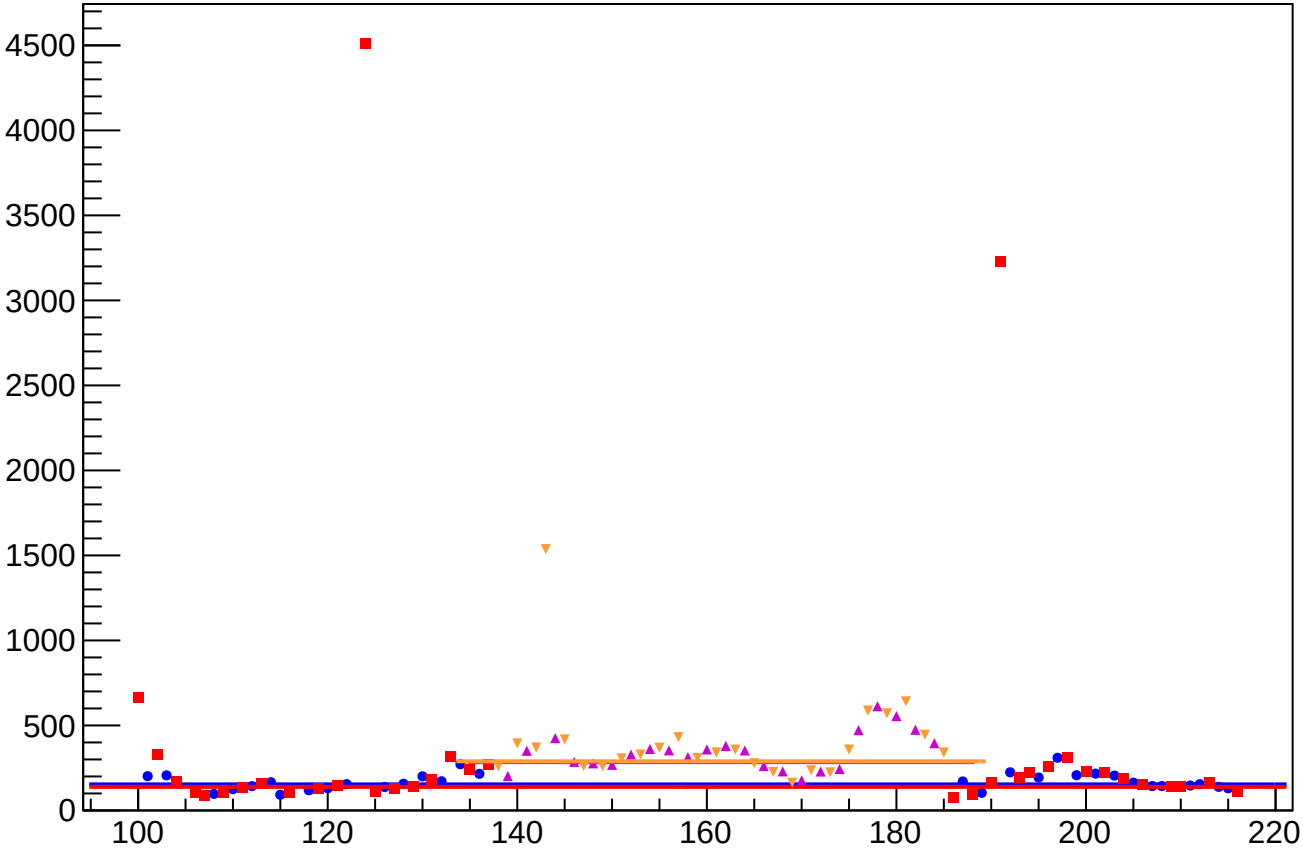
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.738+/-0.024 χ^2/NDF: 4792212.8/34

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

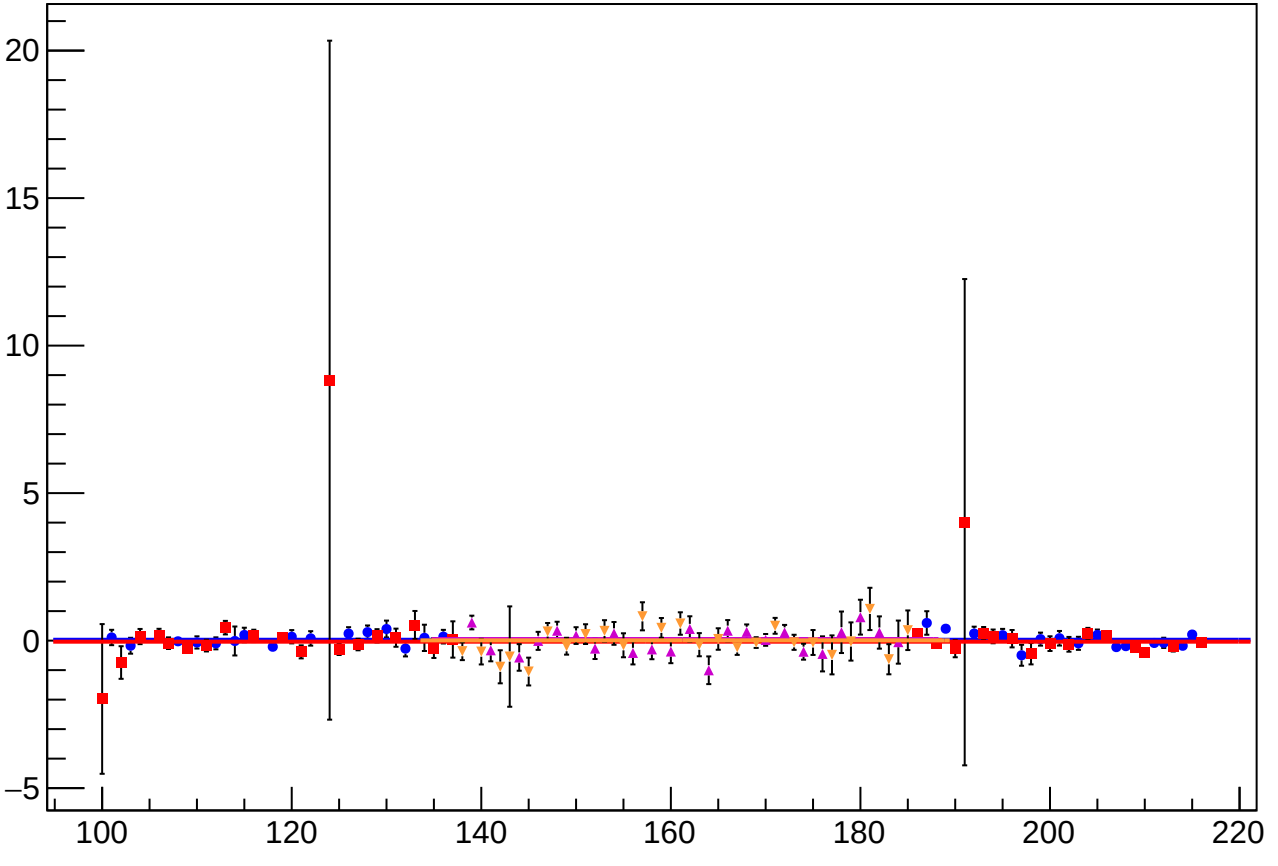
Right: 145.556+/-0.018 χ^2/NDF: 7307817.2/65

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 167.485+/-0.022 χ^2/NDF:16672450.7/59

All: 174.101+/-0.016 χ^2/NDF: 27716978.1/11

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

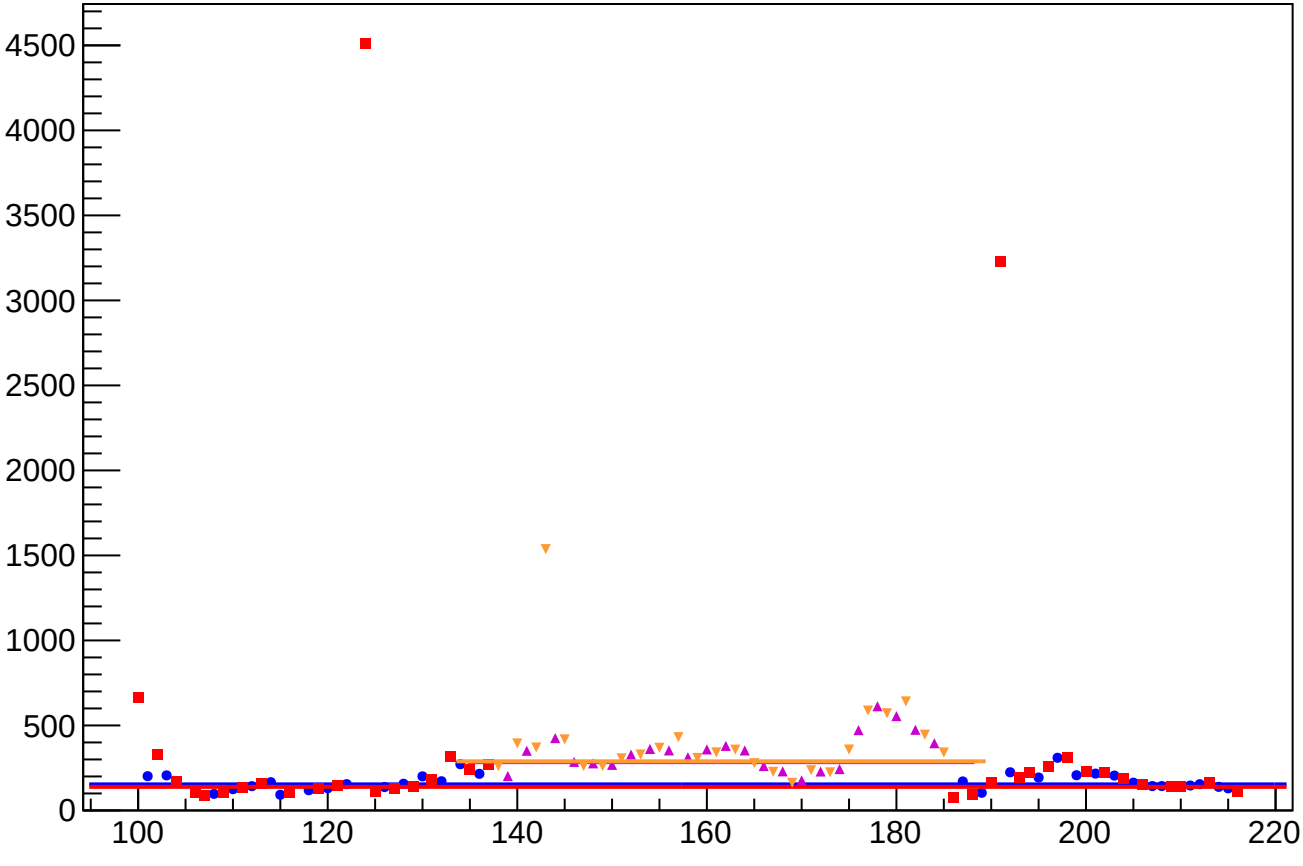
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.738+/-0.024 χ^2/NDF: 4792212.8/34

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

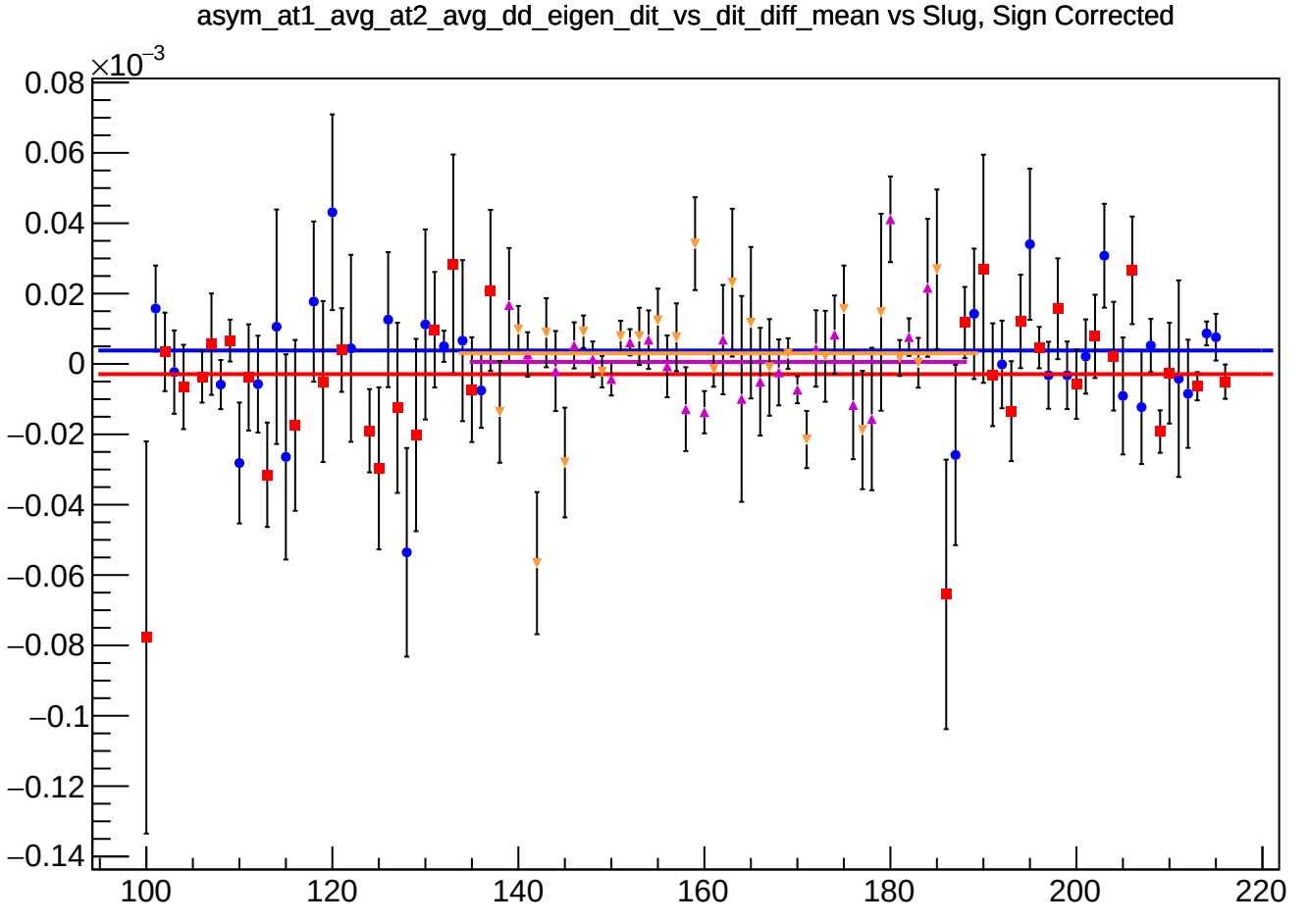
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 145.556+/-0.018 χ^2/NDF: 7307817.2/65

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 167.485+/-0.022 χ^2/NDF:16672450.7/59

All: 174.101+/-0.016 χ^2/NDF: 27716978.1/11



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: 39.9/34

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

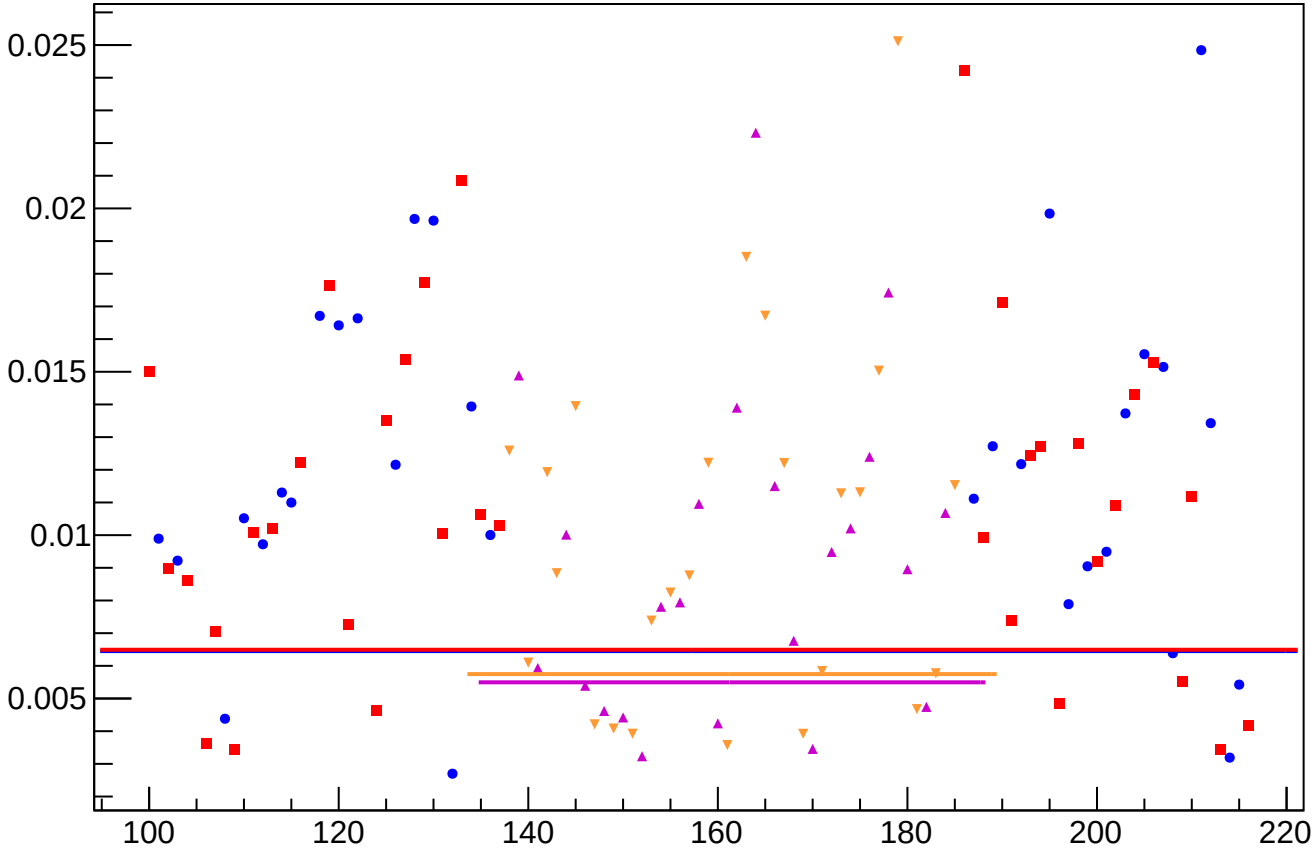
Right: 0.000+/-0.000 χ^2/NDF: 75.8/65

In: 0.000+/-0.000 χ^2/NDF:63.8/53

Out: 0.000+/-0.000 χ^2/NDF:88.7/59

All: 0.000+/-0.000 χ^2/NDF: 153.3/113

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: 0.006+/-0.000 χ^2/NDF: 9153023.7/34

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

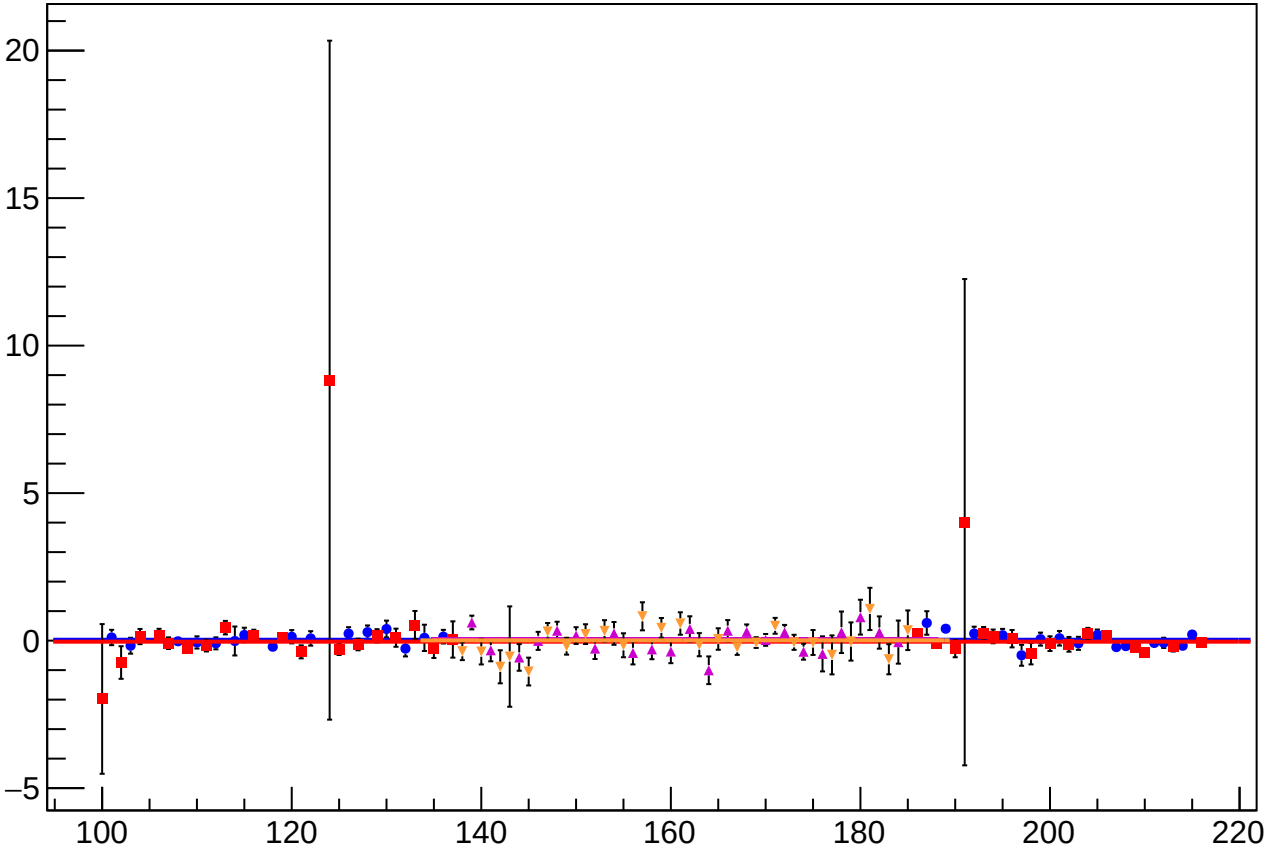
Right: 0.006+/-0.000 χ^2/NDF: 20473917.2/65

In: 0.006+/-0.000 χ^2/NDF:18585008.7/53

Out: 0.006+/-0.000 χ^2/NDF:17490336.5/59

All: 0.006+/-0.000 χ^2/NDF: 36100368.5/113

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

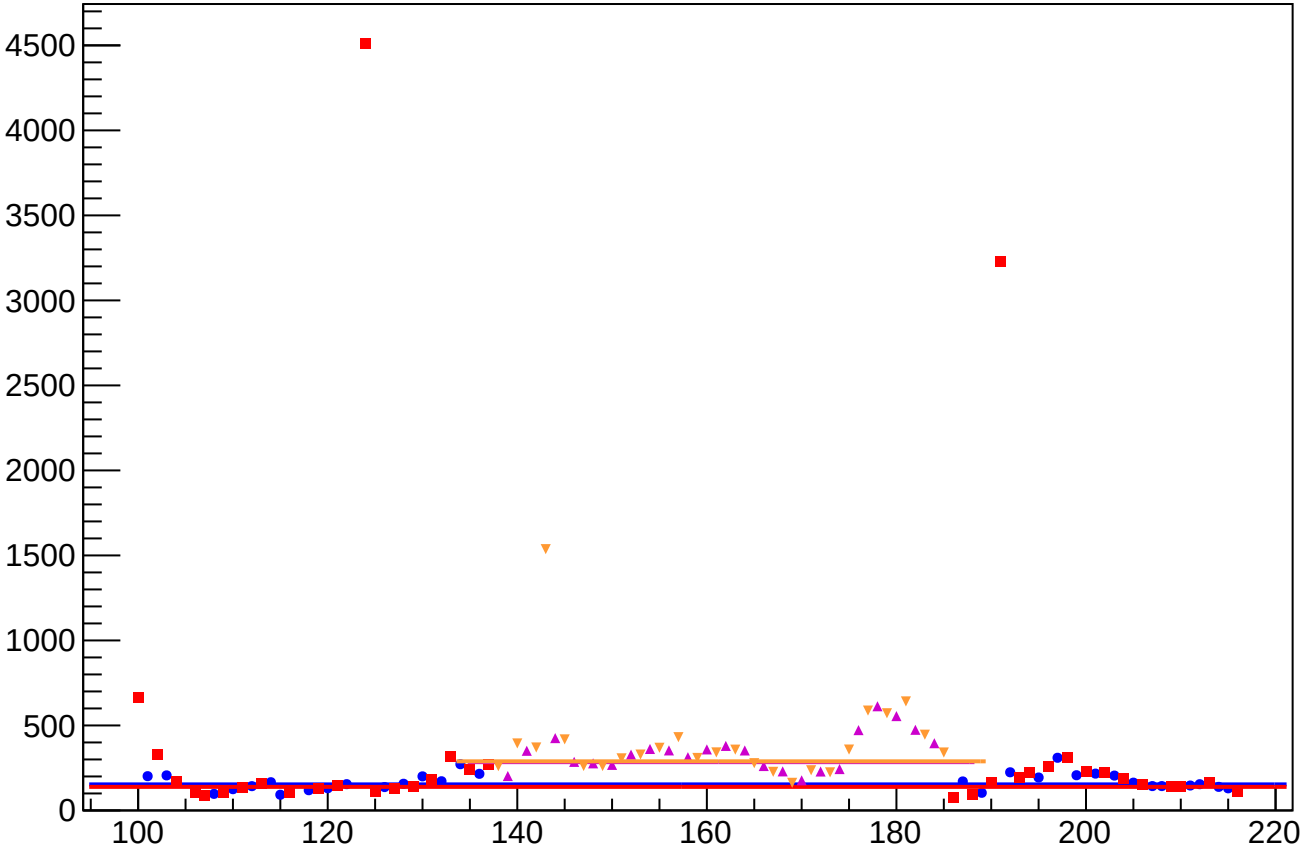
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.740+/-0.024 χ^2/NDF: 4792049.6/34

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

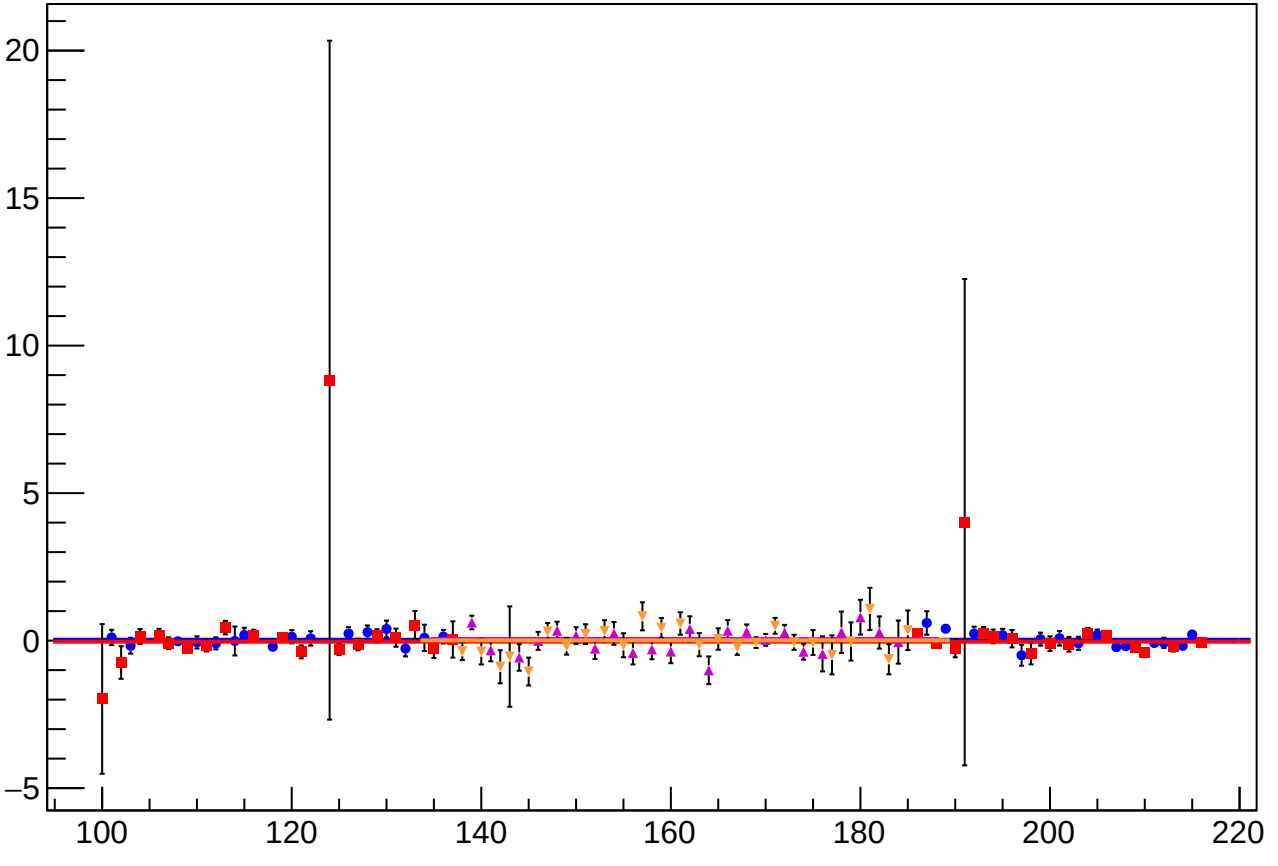
Right: 145.558+/-0.018 χ^2/NDF: 7307611.7/65

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 167.487+/-0.022 χ^2/NDF:16672274.9/59

All: 174.102+/-0.016 χ^2/NDF: 27716879.3/11

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

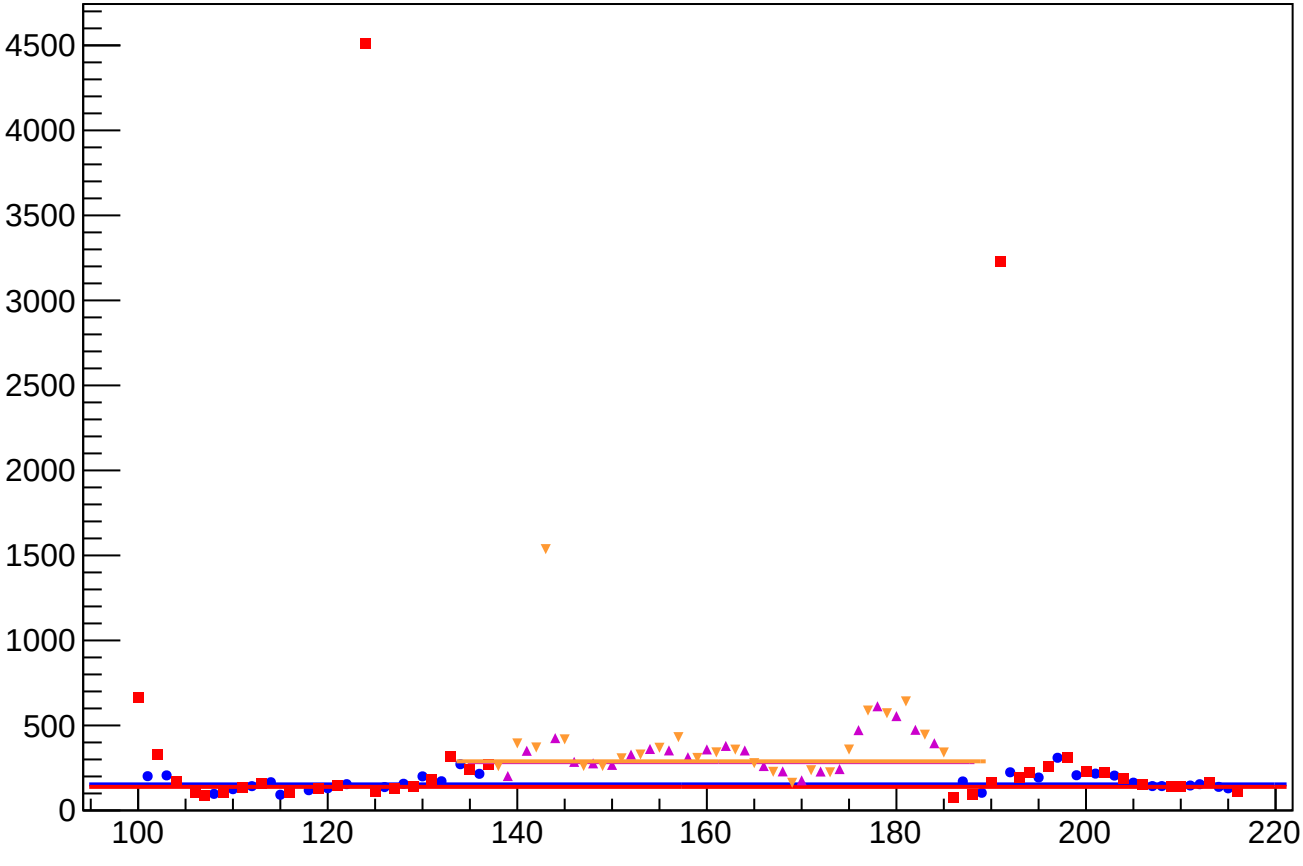
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.740+/-0.024 χ^2/NDF: 4792049.6/34

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

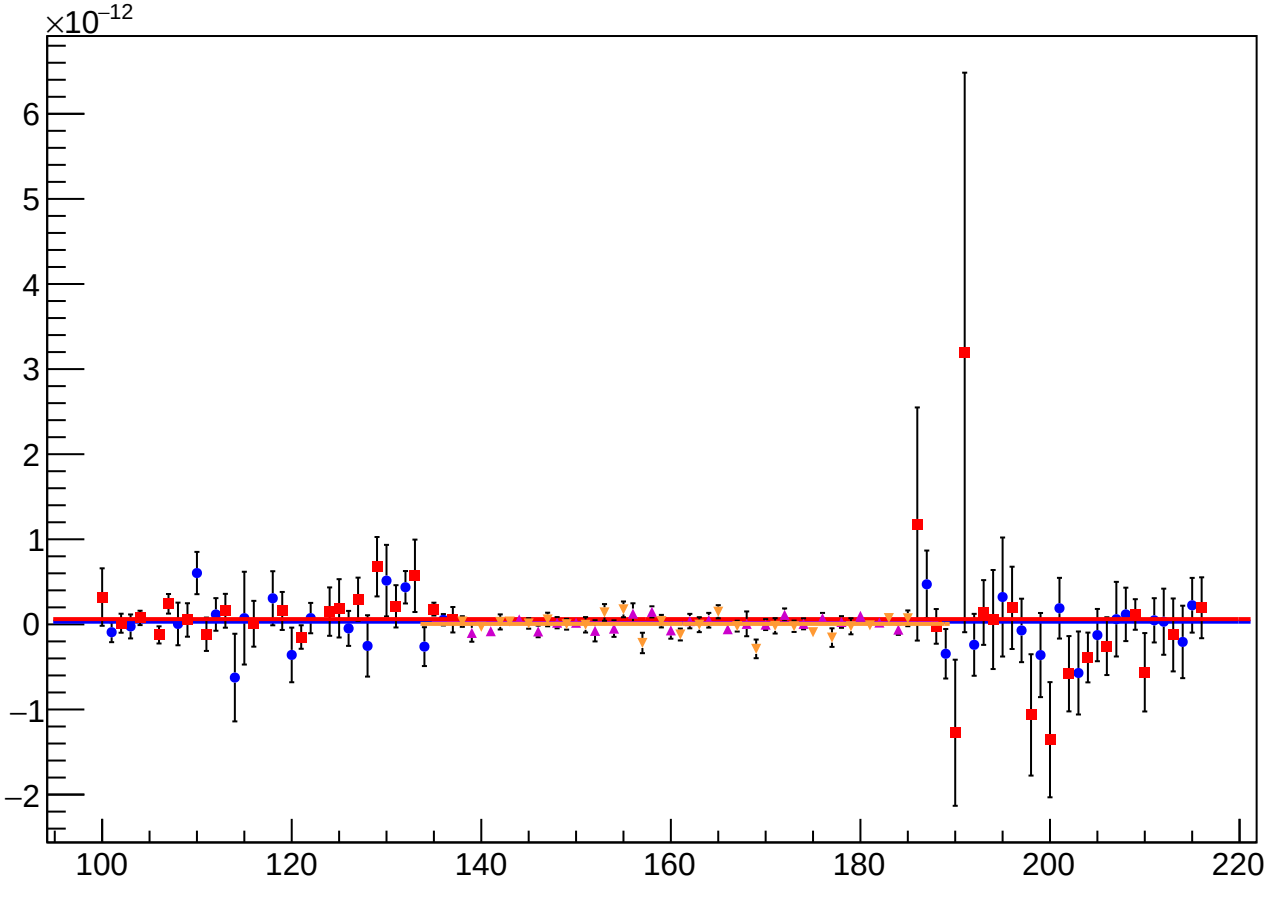
Right: 145.558+/-0.018 χ^2/NDF: 7307611.7/65

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 167.487+/-0.022 χ^2/NDF:16672274.9/59

All: 174.102+/-0.016 χ^2/NDF: 27716879.3/11

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/34

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

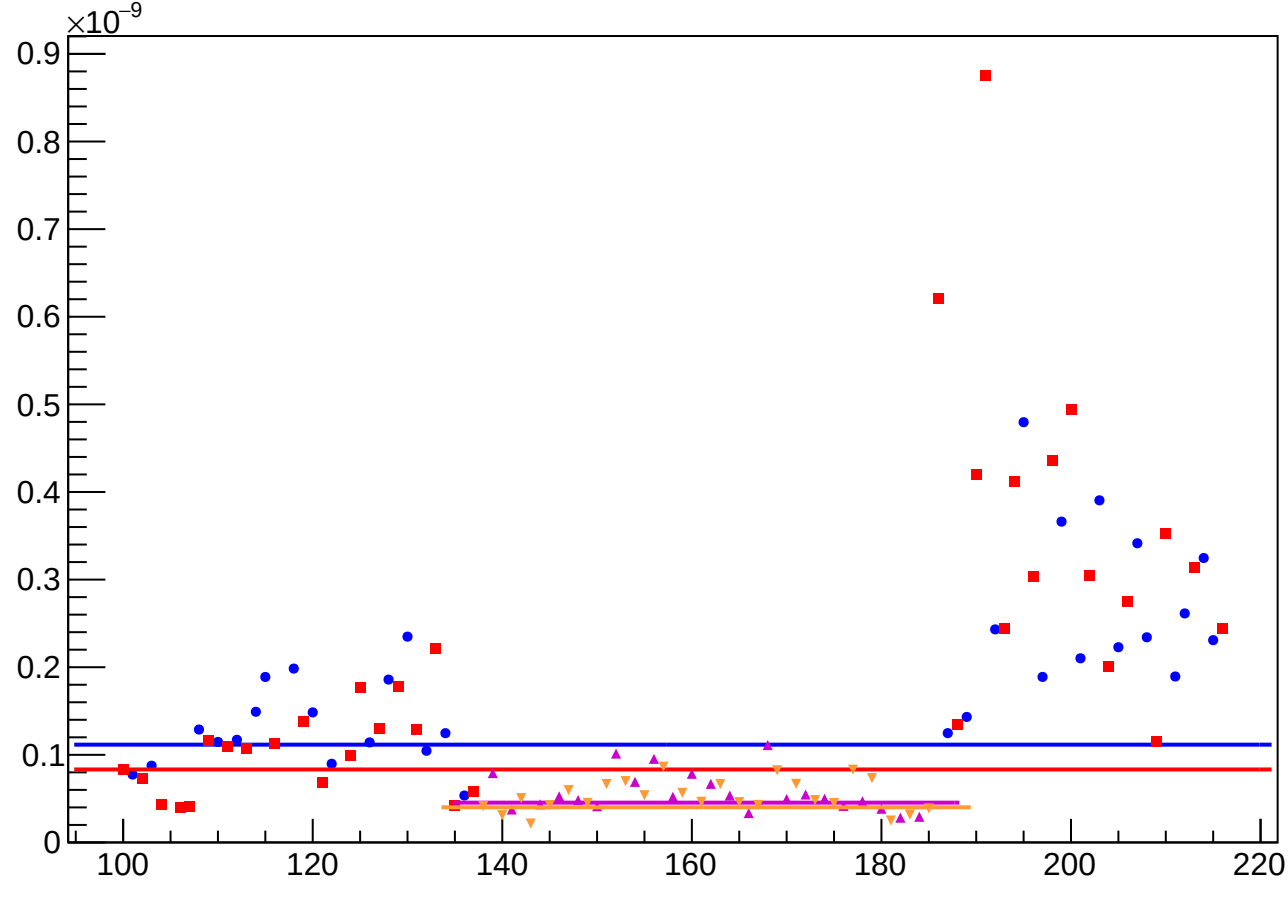
Right: 0.000+/-0.000 χ^2/NDF: 64.0/65

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:74.3/59

All: 0.000+/-0.000 χ^2/NDF: 123.8/113

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6898634.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9399601.0/34

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

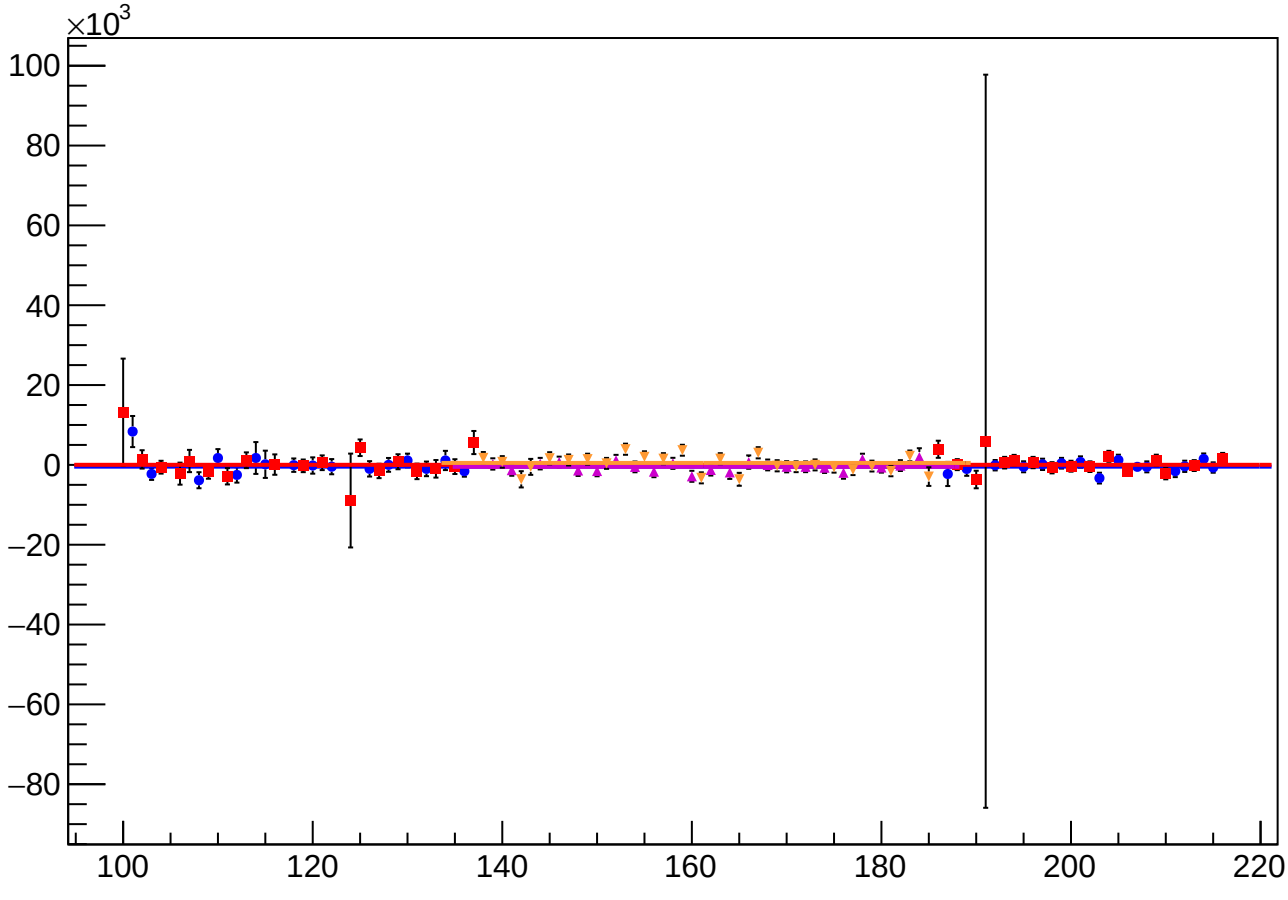
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16928635.0/65

In: 0.000+/-0.000 χ^2/NDF:14838485.8/53

Out: 0.000+/-0.000 χ^2/NDF:16174878.6/59

All: 0.000+/-0.000 χ^2/NDF: 31347011.4/113



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: 18.969+/-294.665 χ^2/NDF: 32.2/34

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

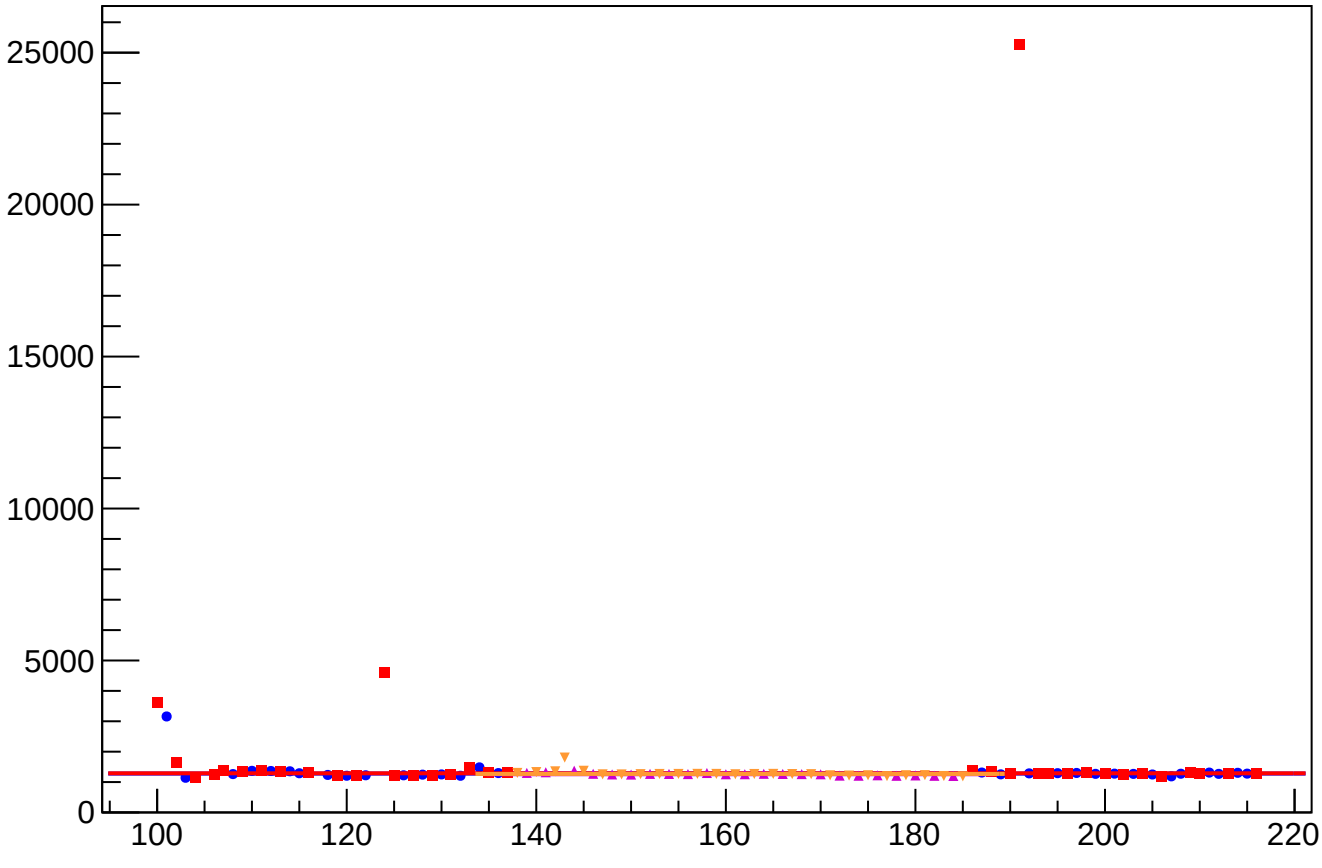
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -210.923+/-207.853 χ^2/NDF: 57.9/65

In: -462.664+/-207.538 χ^2/NDF:38.9/53

Out: 260.520+/-206.143 χ^2/NDF:80.4/59

All: -98.634+/-146.256 χ^2/NDF: 125.5/113



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: 1288.416+/-0.208 χ^2/NDF: 483049.1/34

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

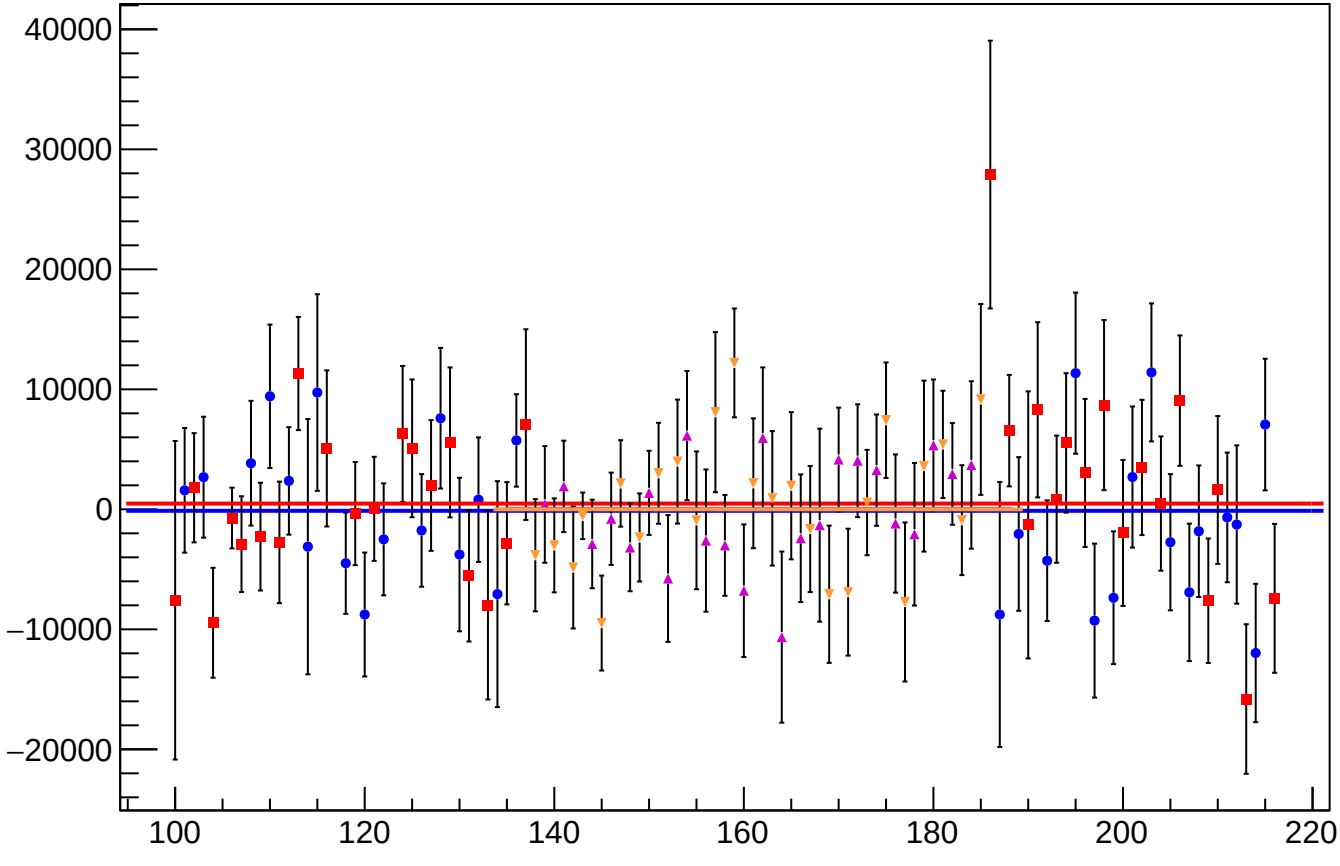
Right: 1283.525+/-0.147 χ^2/NDF: 1014389.5/65

In: 1268.130+/-0.147 χ^2/NDF:572234.4/53

Out: 1277.475+/-0.146 χ^2/NDF:676010.6/59

All: 1272.837+/-0.103 χ^2/NDF: 1250287.1/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -123.063+/-1002.318 χ^2/NDF: 34.6/30

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 479.384+/-897.222 χ^2/NDF: 43.7/34

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

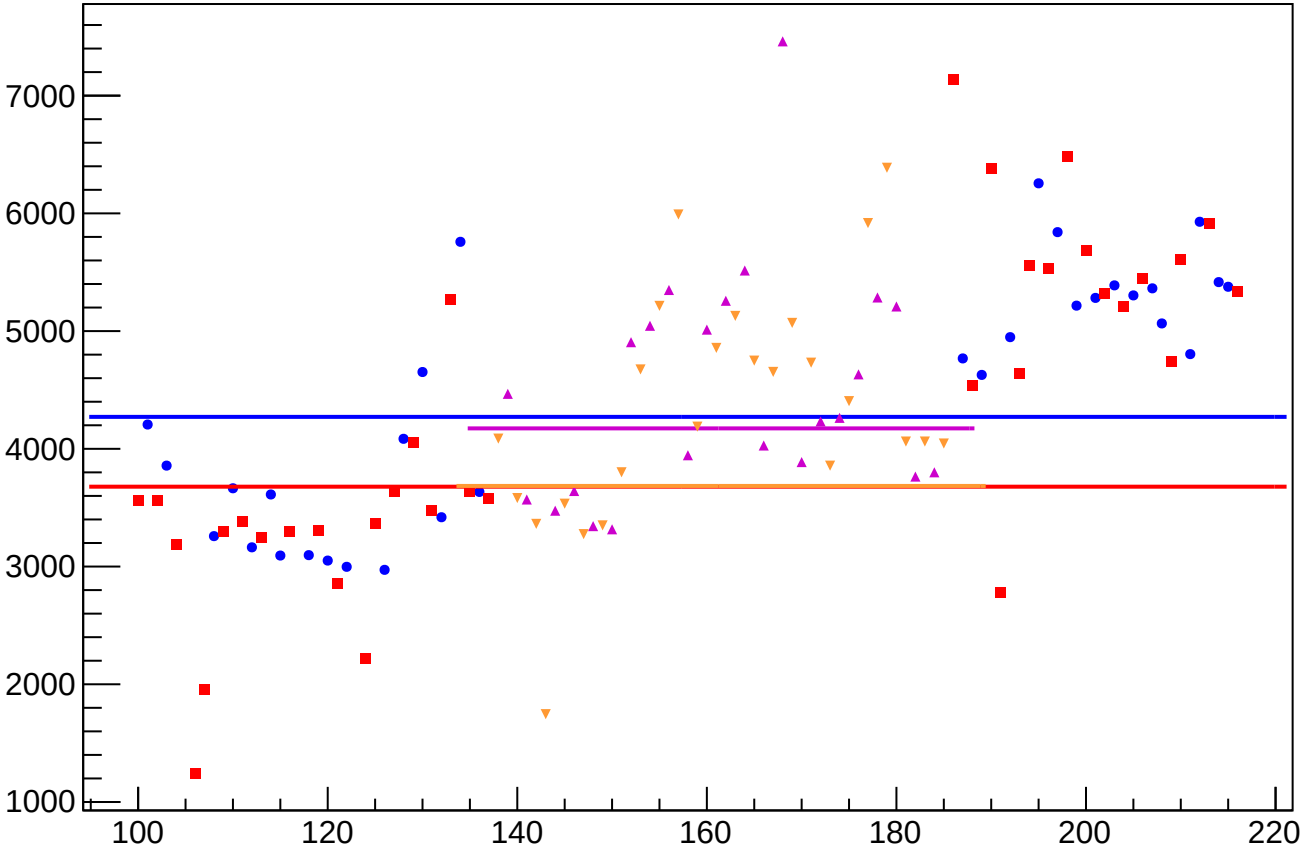
Right: 211.390+/-668.511 χ^2/NDF: 78.5/65

In: -45.196+/-706.269 χ^2/NDF:48.7/53

Out: 236.502+/-630.602 χ^2/NDF:72.9/59

All: 111.546+/-470.388 χ^2/NDF: 121.6/113

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



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: 3678.435+/-0.634 χ^2/NDF: 5224633.4/34

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

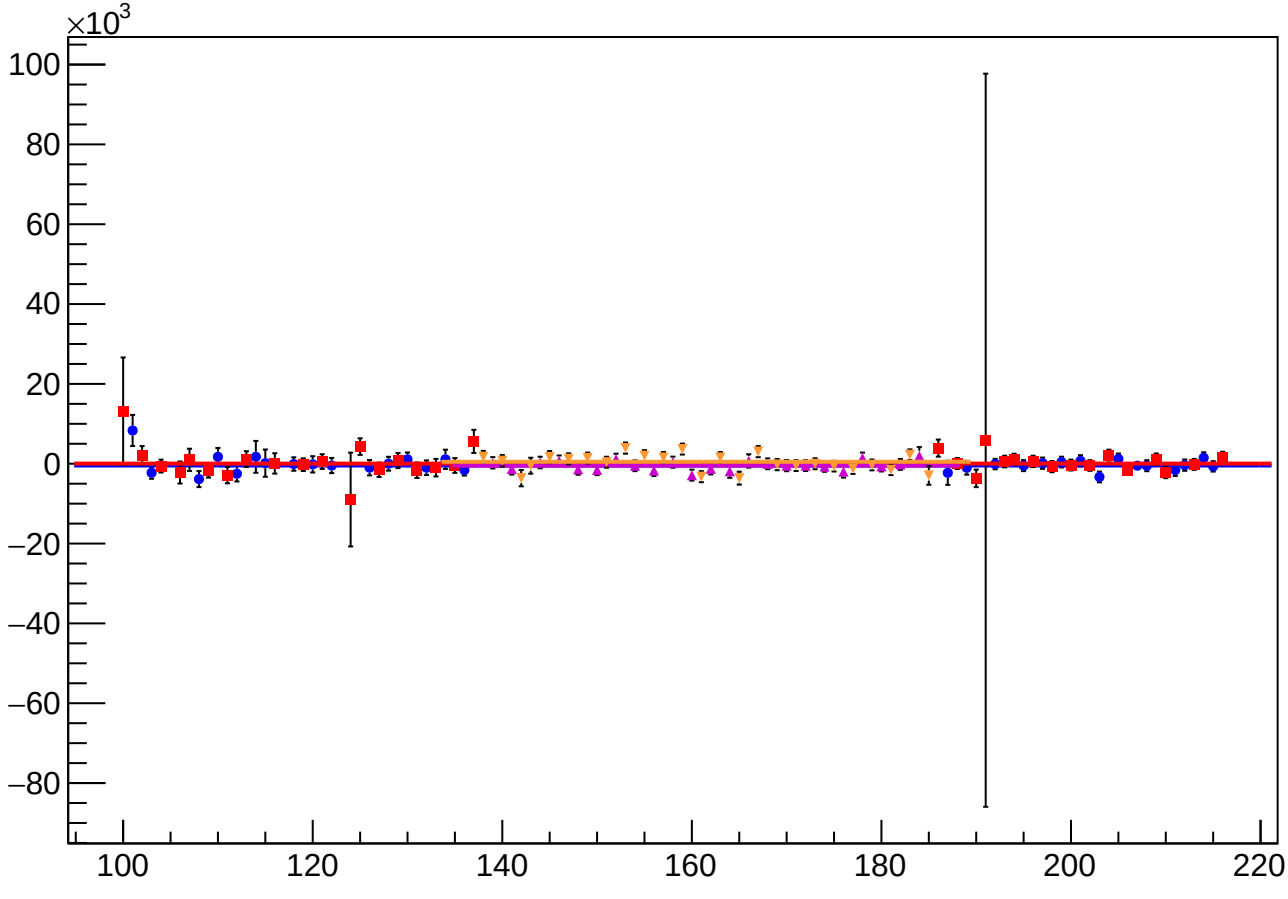
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3942.225+/-0.473 χ^2/NDF: 7652554.0/65

In: 4222.153+/-0.499 χ^2/NDF:3323855.6/53

Out: 3681.640+/-0.446 χ^2/NDF:8918330.4/59

All: 3921.401+/-0.333 χ^2/NDF: 12893971.5/1



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: 29.588+/-294.736 χ^2/NDF: 32.6/34

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

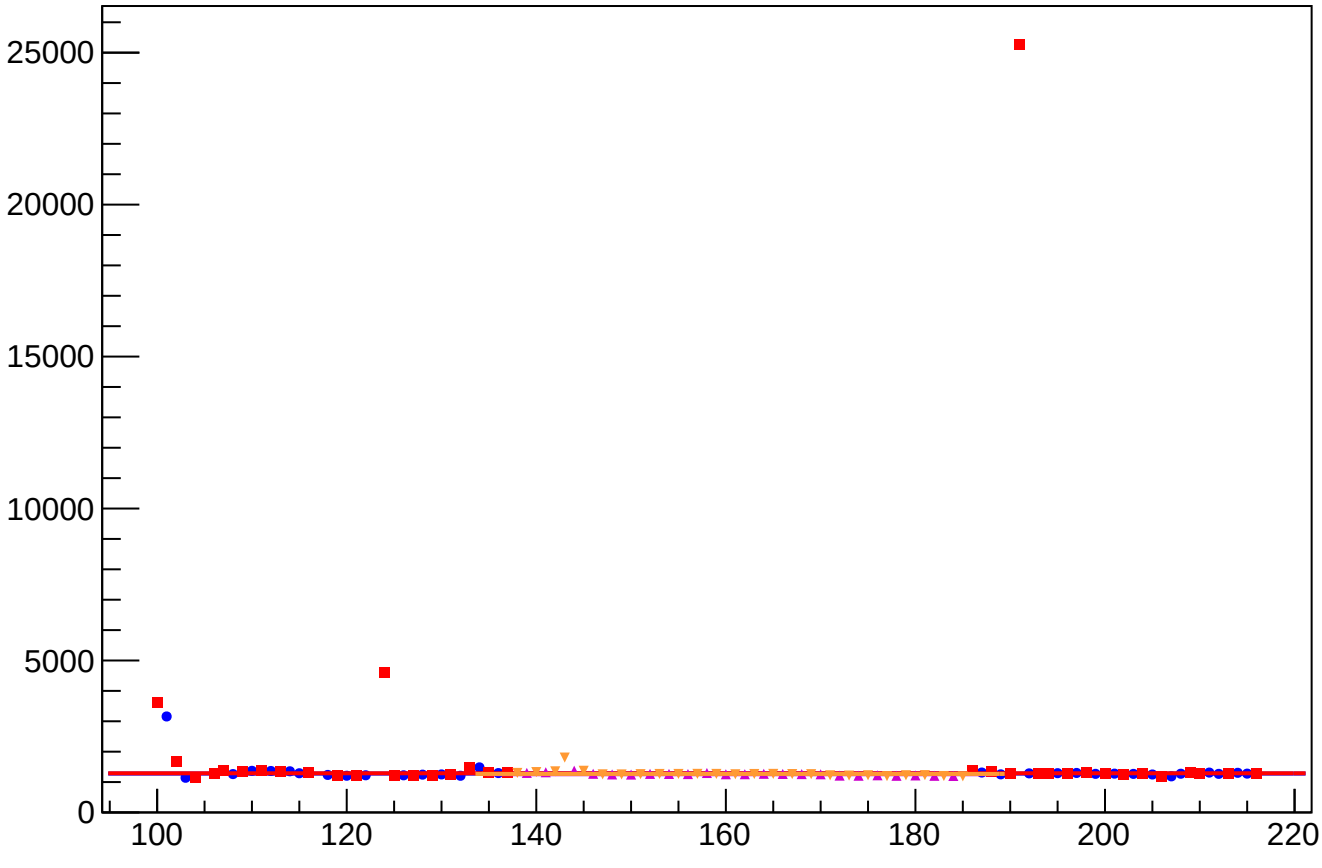
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -205.754+/-207.878 χ^2/NDF: 58.4/65

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 265.782+/-206.168 χ^2/NDF:80.8/59

All: -96.032+/-146.265 χ^2/NDF: 125.9/113



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: 1289.147+/-0.208 χ^2/NDF: 489951.7/34

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

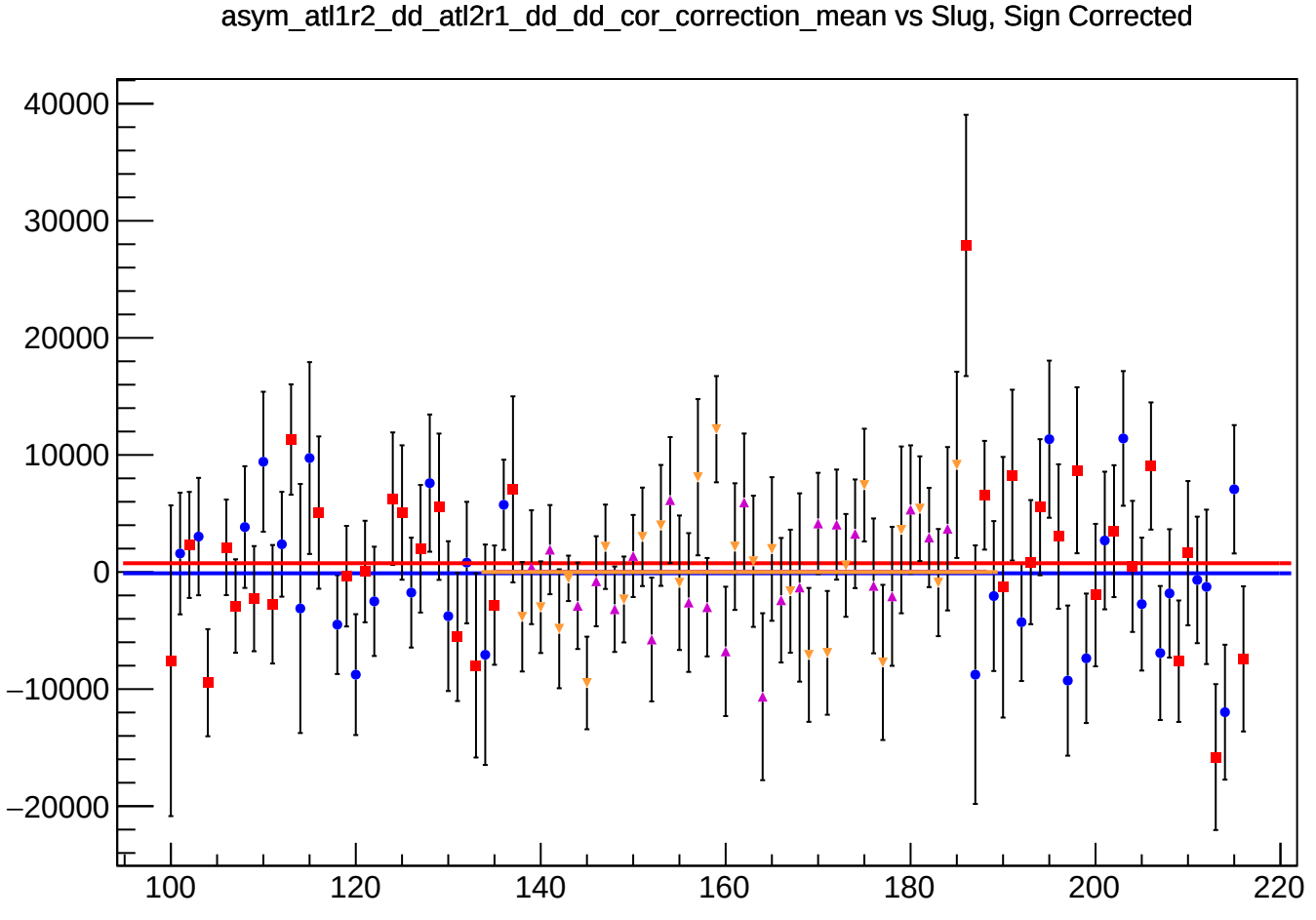
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1283.886+/-0.147 χ^2/NDF: 1021464.1/65

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.827+/-0.146 χ^2/NDF:683285.4/59

All: 1273.013+/-0.103 χ^2/NDF: 1257719.6/11



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: 750.776+/-933.915 χ^2/NDF: 43.6/34

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

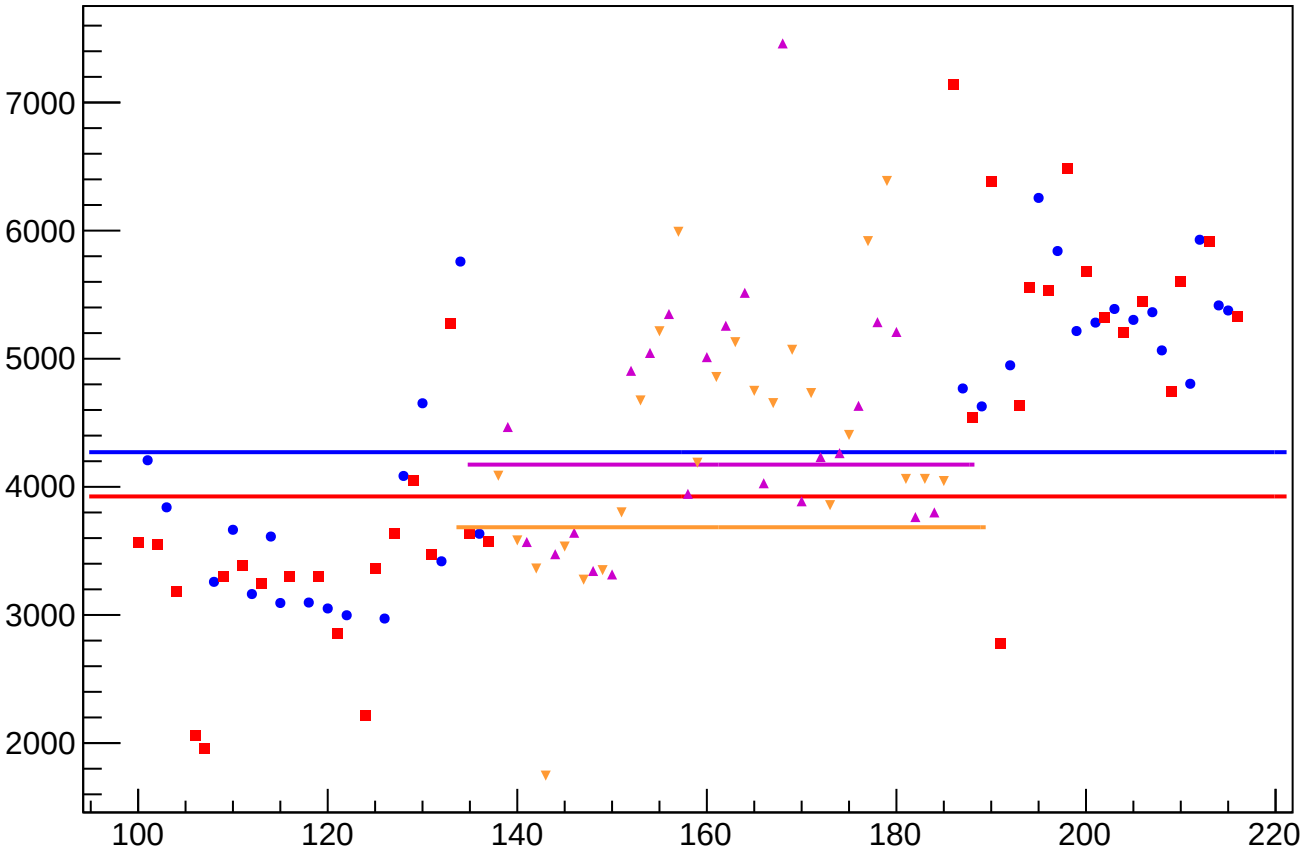
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 351.617+/-683.219 χ^2/NDF: 78.7/65

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 355.556+/-642.954 χ^2/NDF:73.0/59

All: 177.315+/-475.428 χ^2/NDF: 121.9/113



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: 3925.142+/-0.660 χ^2/NDF: 3543440.7/34

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

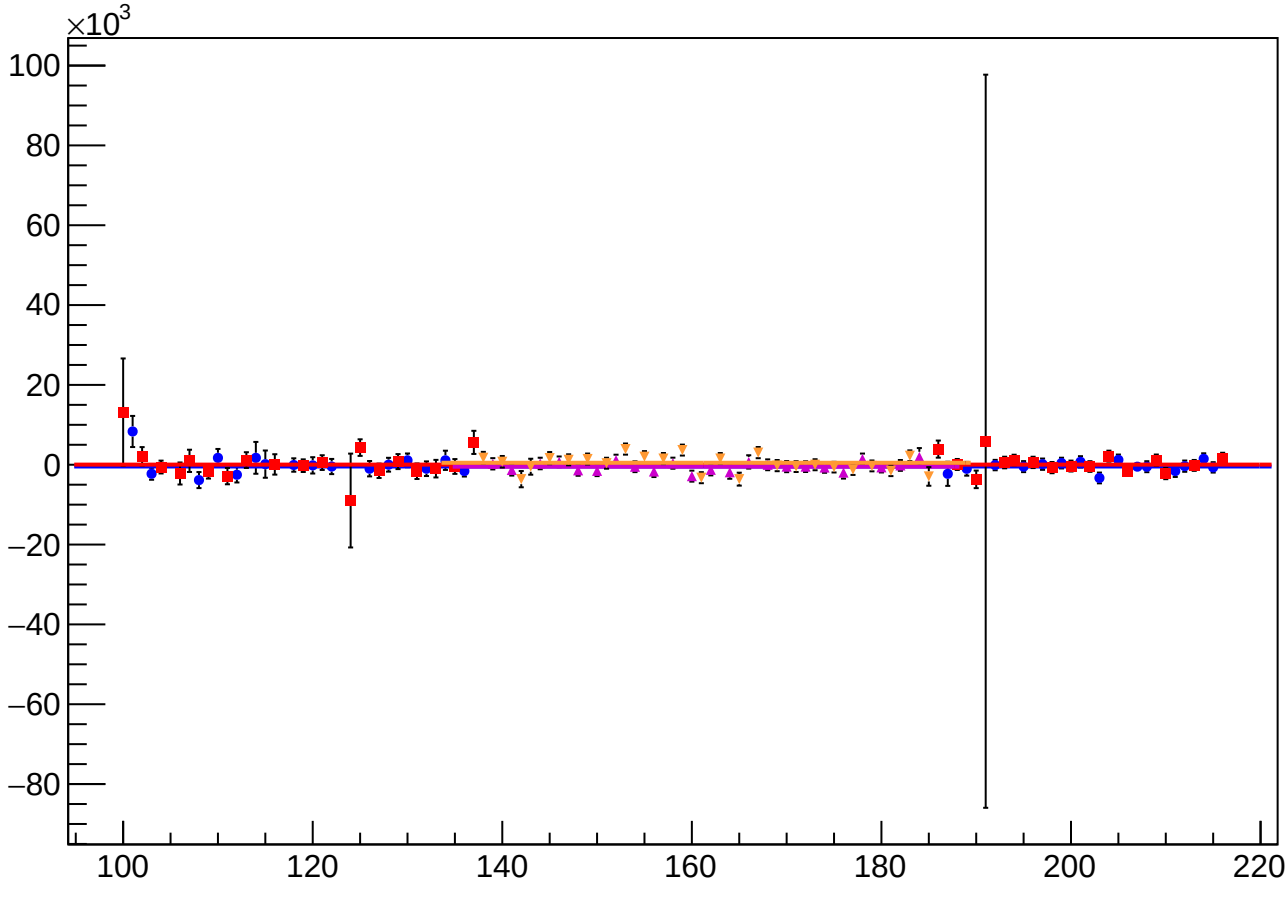
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 4085.720+/-0.483 χ^2/NDF: 5711231.3/65

In: 4221.751+/-0.499 χ^2/NDF:3324995.9/53

Out: 3798.693+/-0.455 χ^2/NDF:7306827.4/59

All: 3990.434+/-0.336 χ^2/NDF: 11024271.5/1



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: 29.588+/-294.736 χ^2/NDF: 32.6/34

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

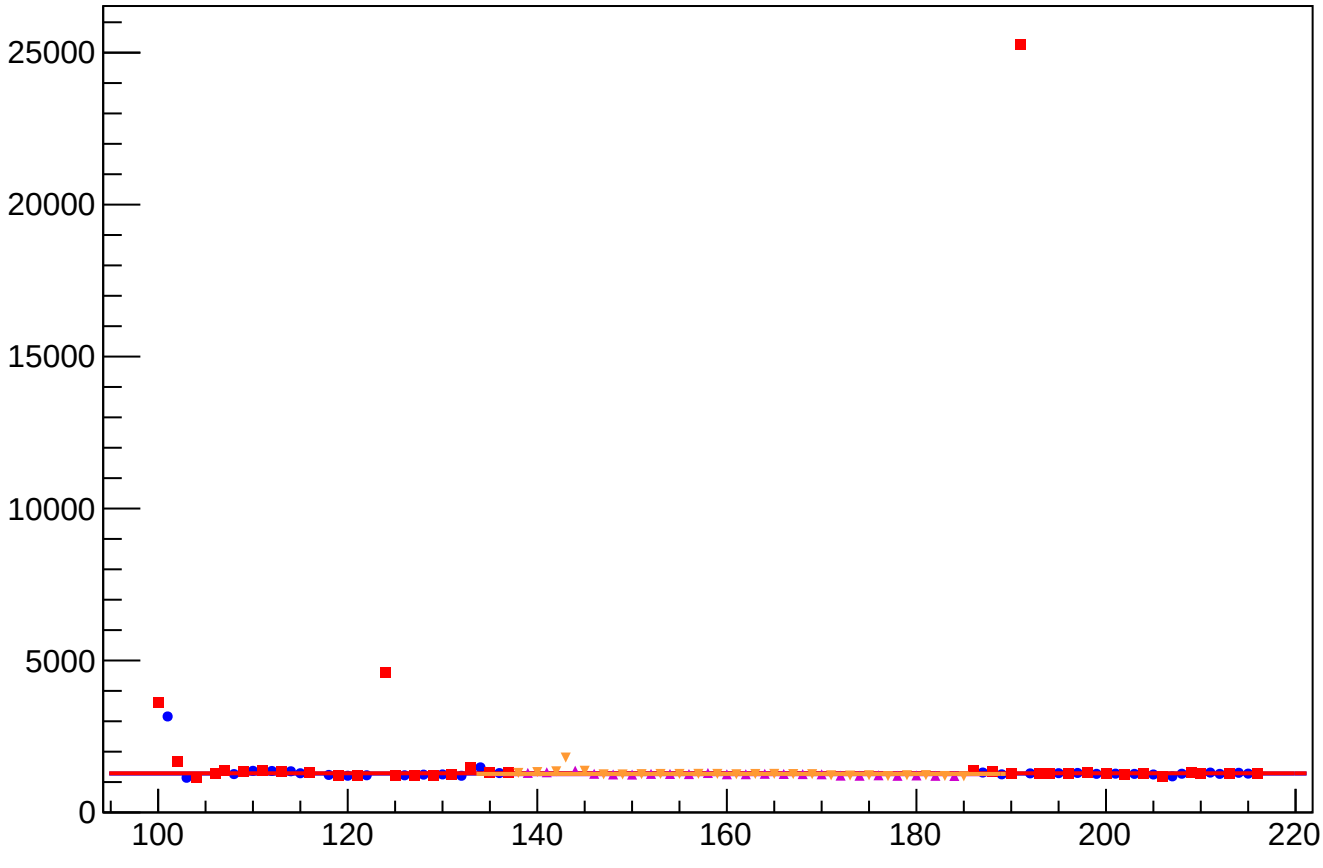
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -205.754+/-207.878 χ^2/NDF: 58.4/65

In: -462.672+/-207.538 χ^2/NDF:38.9/53

Out: 265.782+/-206.168 χ^2/NDF:80.8/59

All: -96.032+/-146.265 χ^2/NDF: 125.9/113



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: 1289.147+/-0.208 χ^2/NDF: 489951.7/34

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

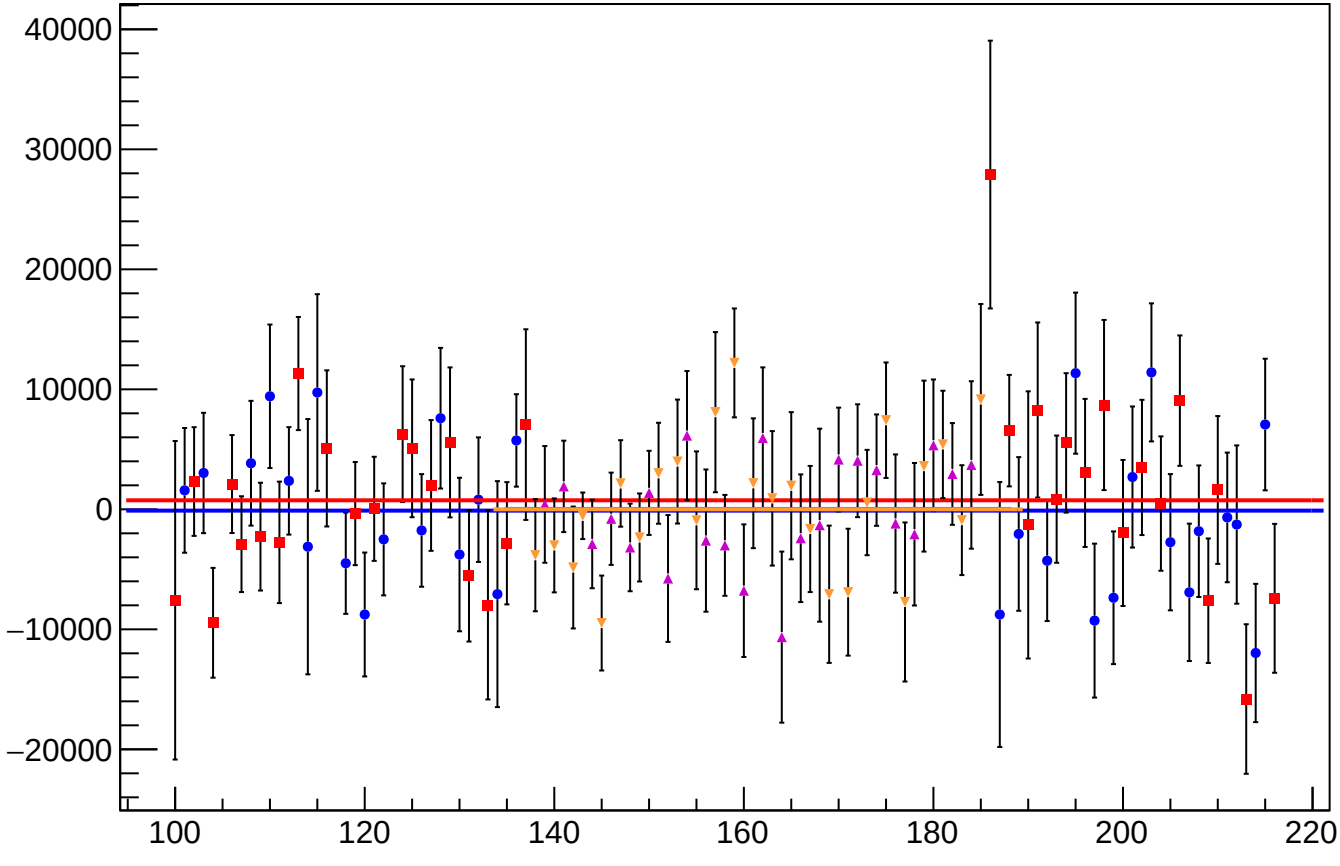
Right: 1283.886+/-0.147 χ^2/NDF: 1021464.1/65

In: 1268.130+/-0.147 χ^2/NDF:572235.8/53

Out: 1277.827+/-0.146 χ^2/NDF:683285.4/59

All: 1273.013+/-0.103 χ^2/NDF: 1257719.6/11

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: 750.776+/-933.915 χ^2/NDF: 43.6/34

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

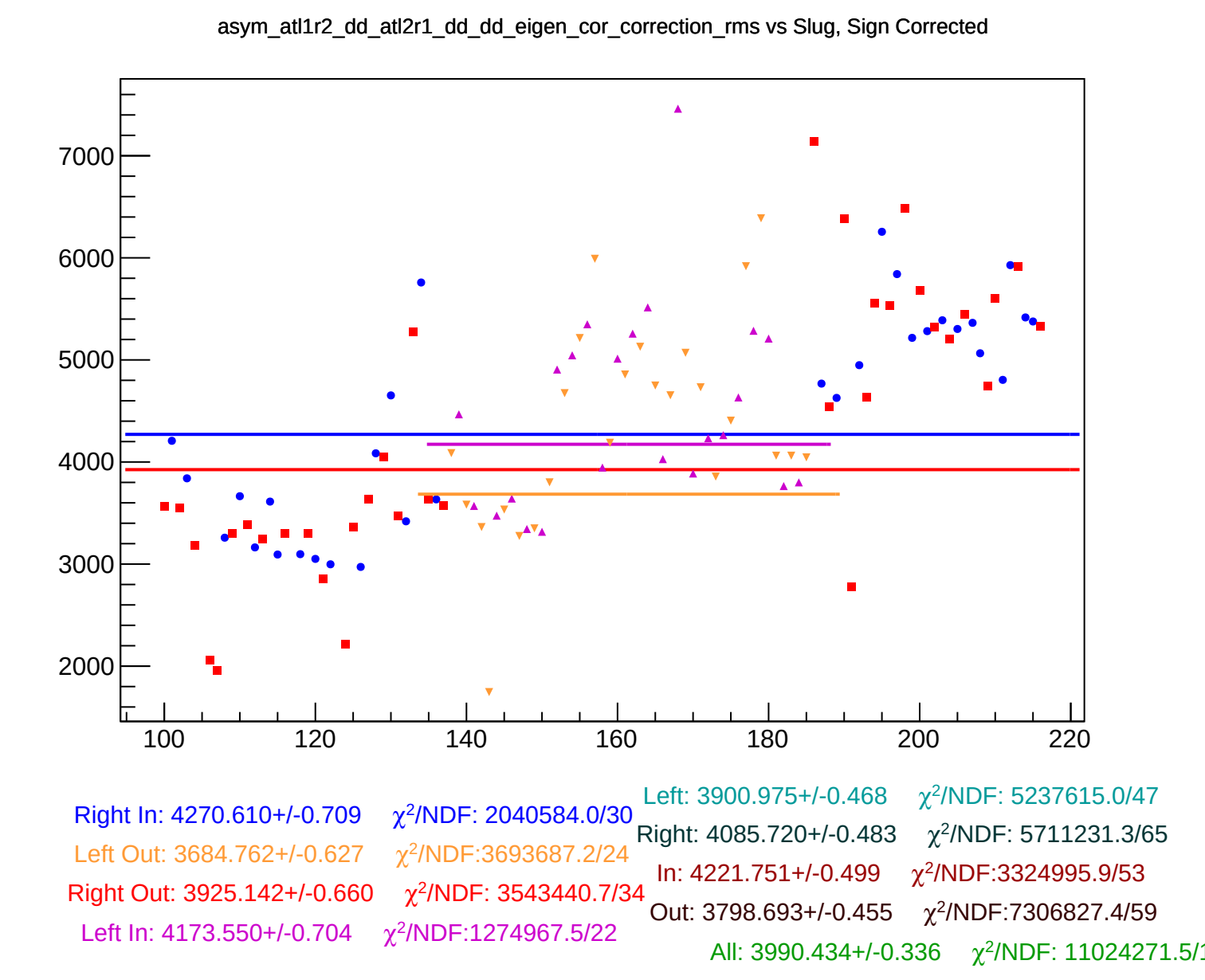
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

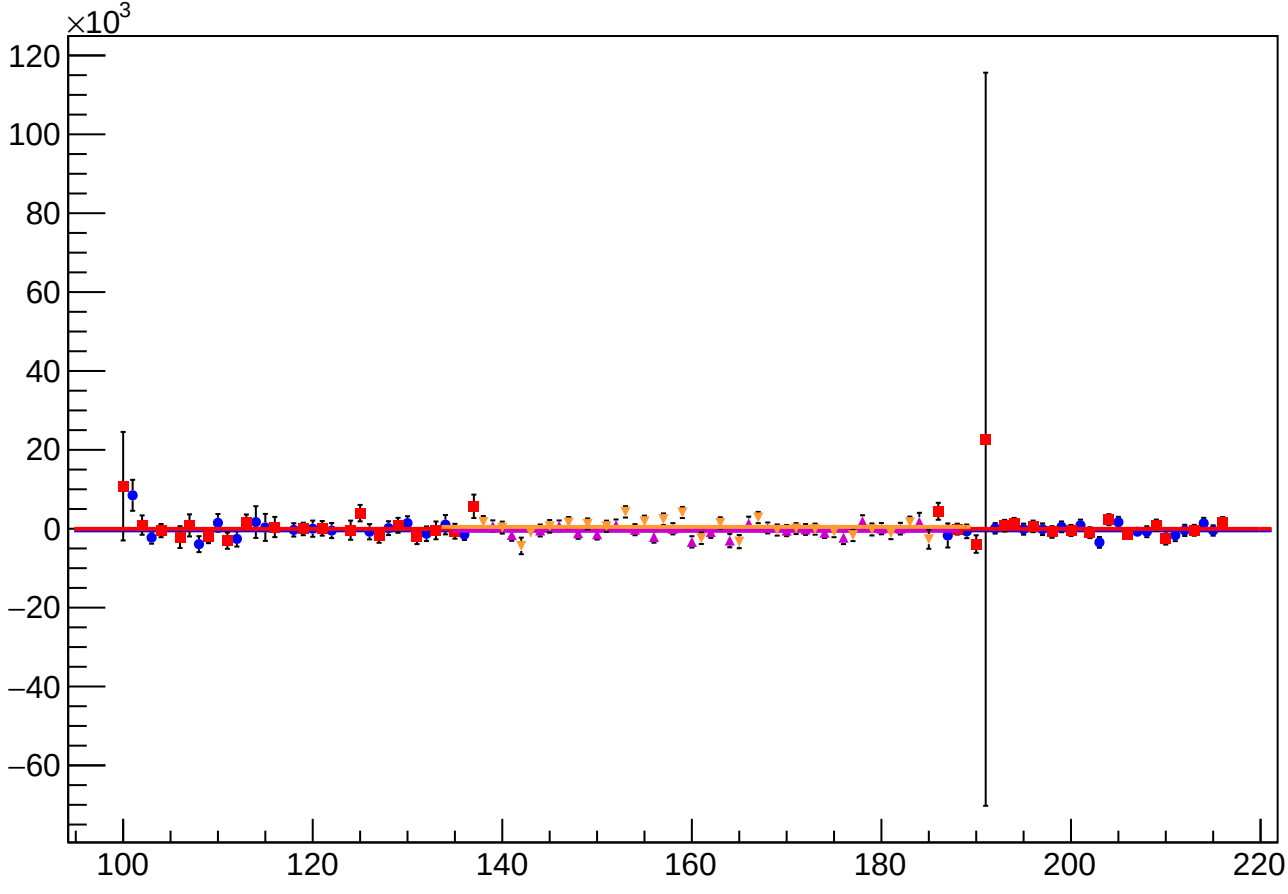
Right: 351.617+/-683.219 χ^2/NDF: 78.7/65

In: -37.716+/-706.199 χ^2/NDF:48.7/53

Out: 355.556+/-642.954 χ^2/NDF:73.0/59

All: 177.315+/-475.428 χ^2/NDF: 121.9/113


asym_atl1r2_dd_atl2r1_dd_dd_eigen_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: 3925.142+/-0.660 χ²/NDF: 3543440.7/34
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 4085.720+/-0.483 χ²/NDF: 5711231.3/65
In: 4221.751+/-0.499 χ²/NDF:3324995.9/53
Out: 3798.693+/-0.455 χ²/NDF:7306827.4/59
All: 3990.434+/-0.336 χ²/NDF: 11024271.5/1



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: -31.504+/-296.938 χ^2/NDF: 33.8/34

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

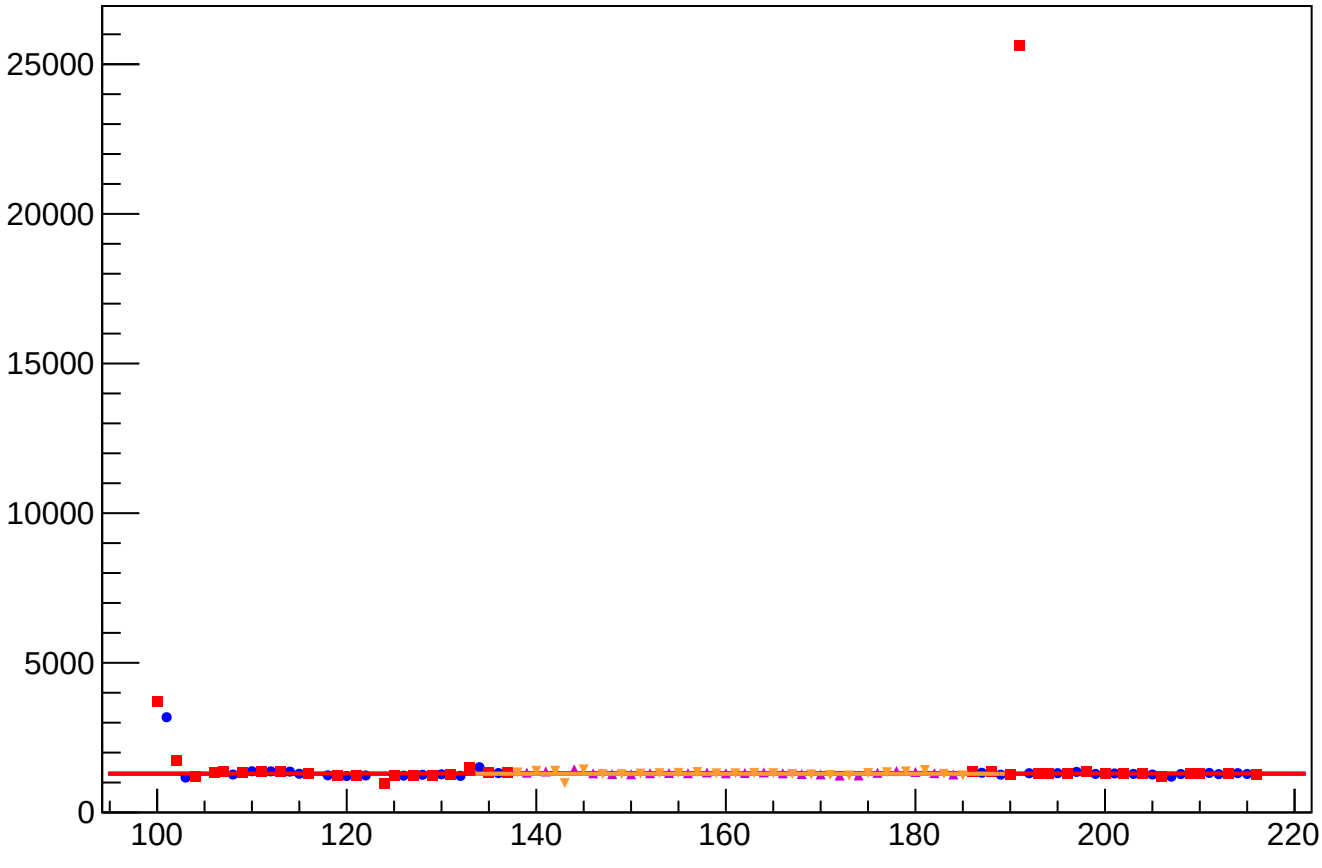
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -217.426+/-209.975 χ^2/NDF: 60.2/65

In: -451.795+/-213.463 χ^2/NDF:43.1/53

Out: 220.477+/-209.012 χ^2/NDF:79.3/59

All: -108.578+/-149.343 χ^2/NDF: 127.5/113



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: 1299.977+/-0.210 χ^2/NDF: 378886.7/34

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

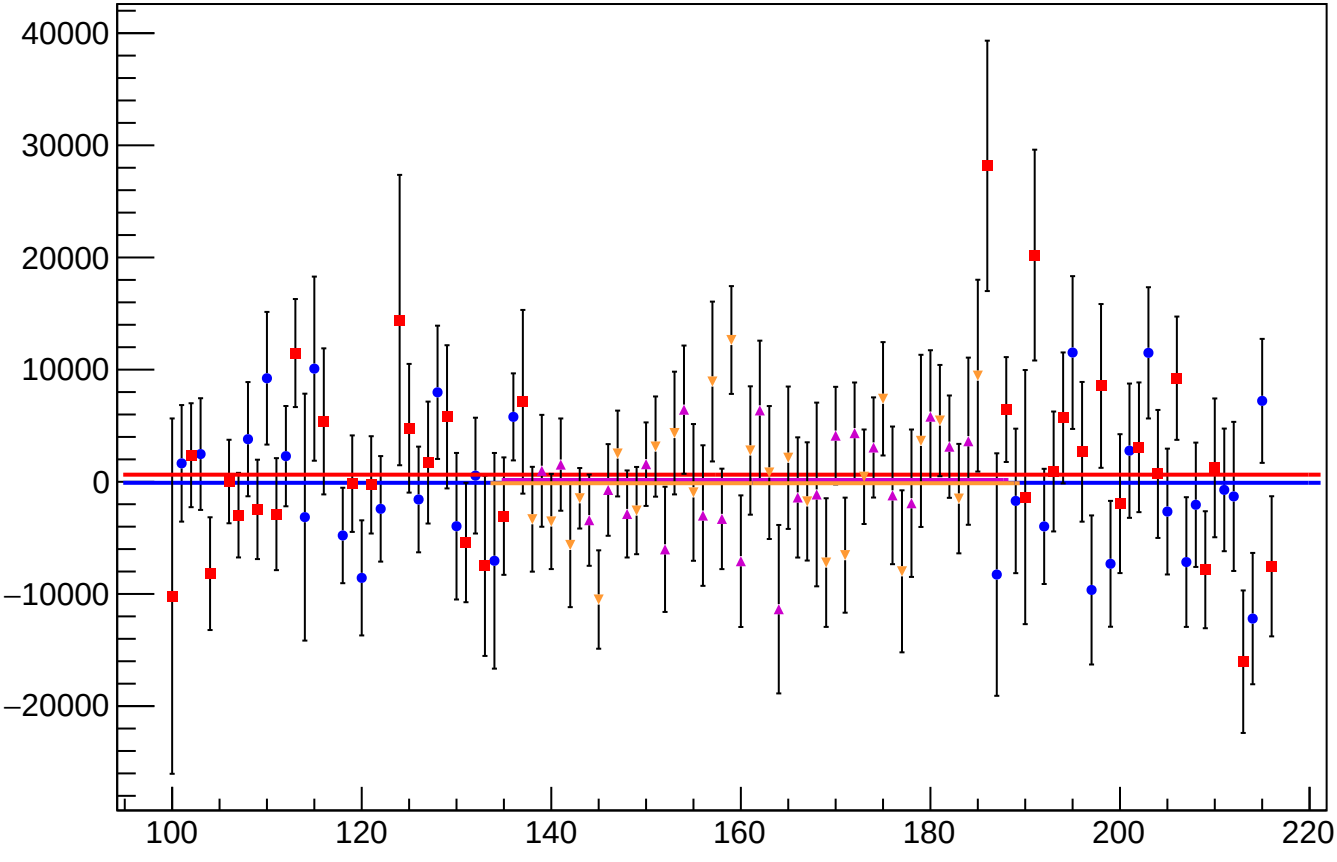
Right: 1297.388+/-0.148 χ^2/NDF: 909400.2/65

In: 1304.080+/-0.151 χ^2/NDF:577298.1/53

Out: 1295.555+/-0.148 χ^2/NDF:610501.5/59

All: 1299.727+/-0.106 χ^2/NDF: 1189428.5/11

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: 634.939+/-949.479 χ^2/NDF: 45.2/34

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

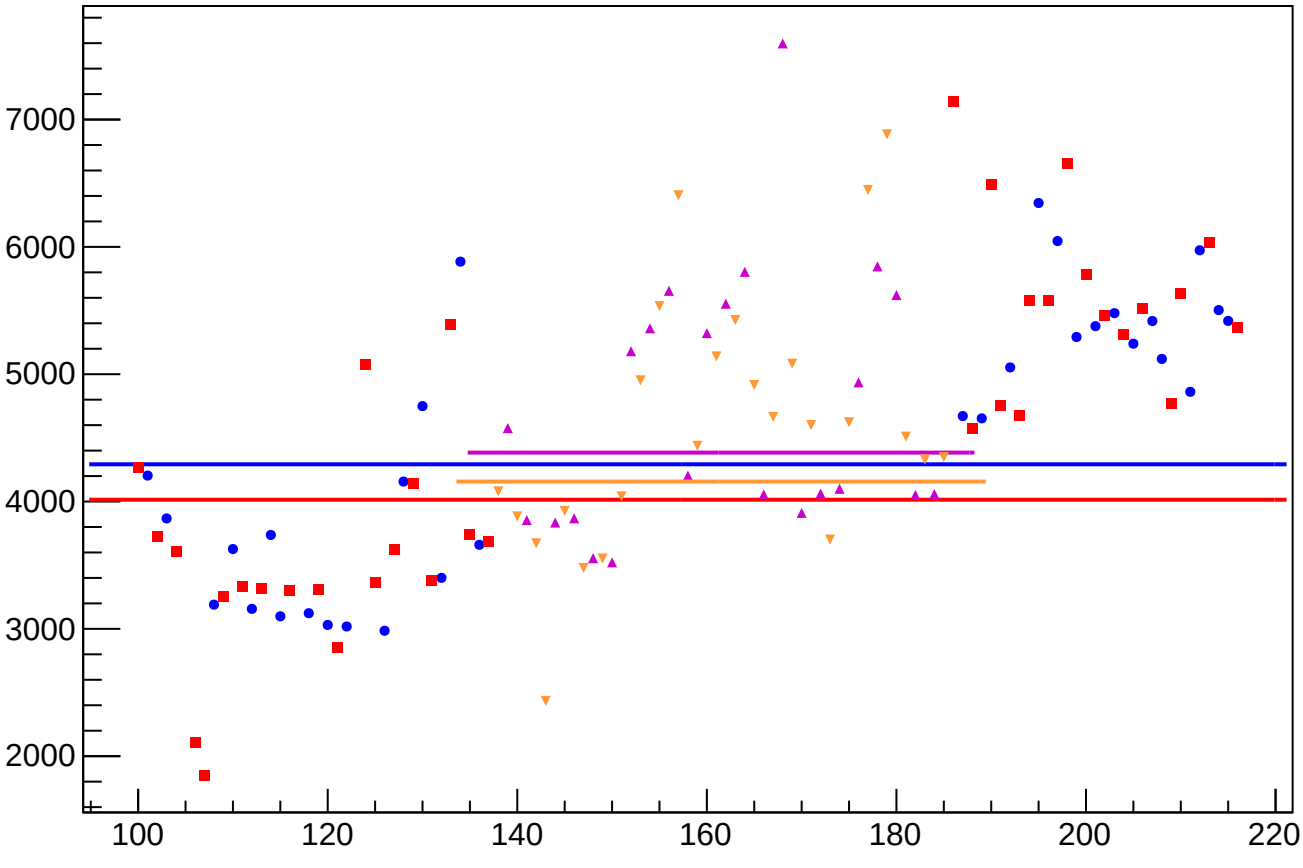
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 294.384+/-691.276 χ^2/NDF: 80.0/65

In: 30.350+/-725.812 χ^2/NDF:48.4/53

Out: 264.809+/-680.983 χ^2/NDF:74.1/59

All: 155.043+/-496.620 χ^2/NDF: 122.5/113



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: 4014.174+/-0.671 χ^2/NDF: 3581136.8/34

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

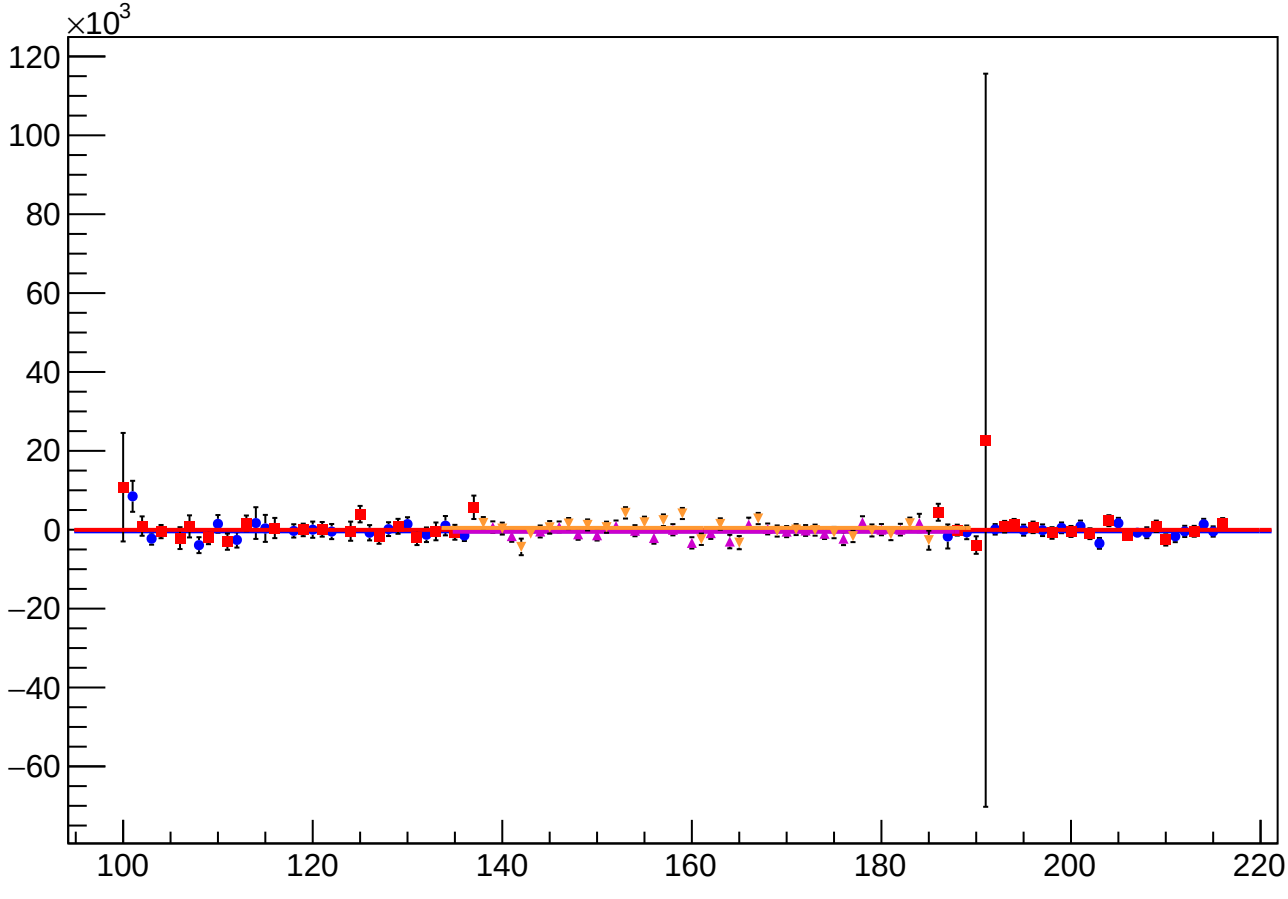
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4144.956+/-0.489 χ^2/NDF: 5803949.4/65

In: 4336.739+/-0.513 χ^2/NDF:3405534.8/53

Out: 4083.327+/-0.482 χ^2/NDF:5683750.4/59

All: 4201.966+/-0.351 χ^2/NDF: 9218946.9/11



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: -31.505+/-296.938 χ^2/NDF: 33.8/34

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

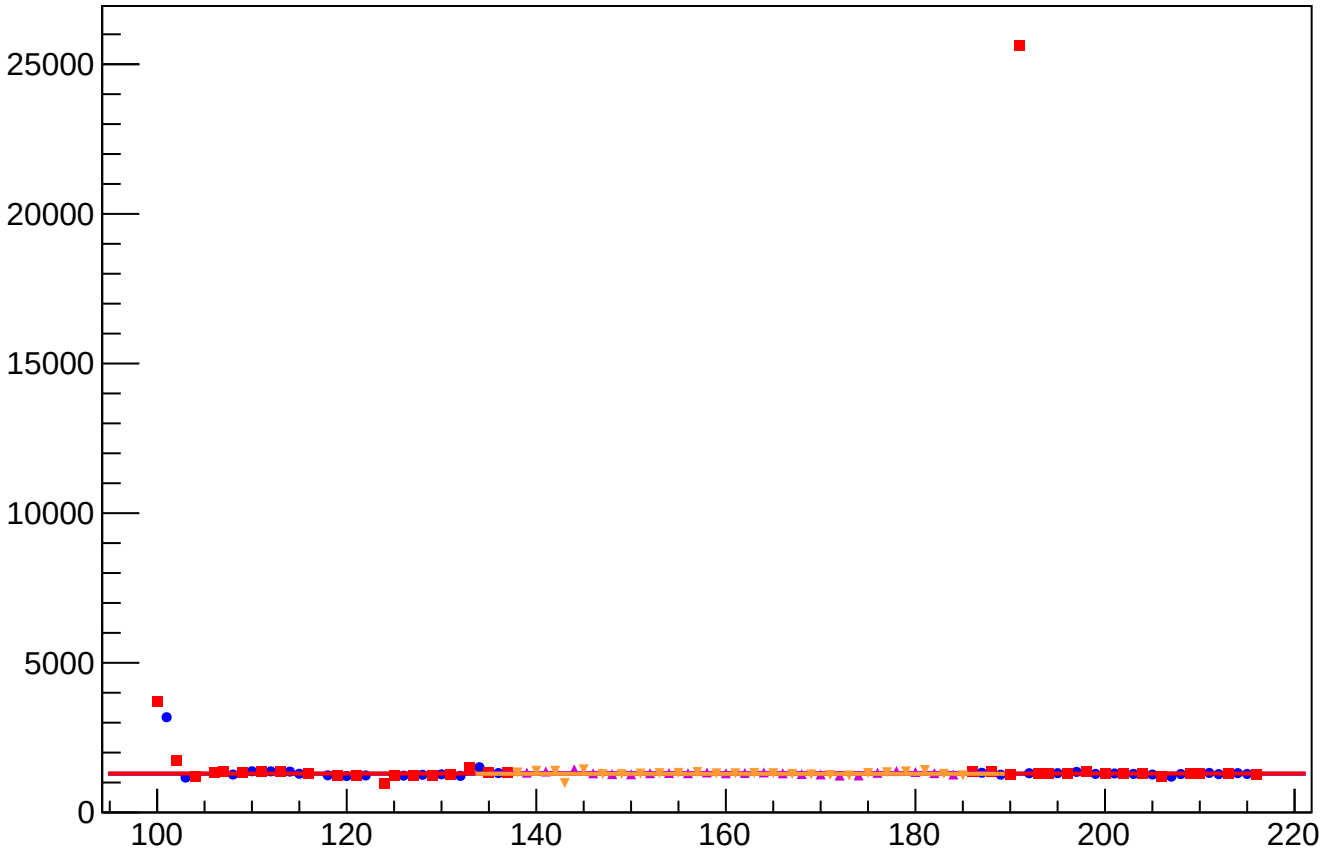
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -217.426+/-209.975 χ^2/NDF: 60.2/65

In: -451.794+/-213.463 χ^2/NDF:43.1/53

Out: 220.478+/-209.013 χ^2/NDF:79.3/59

All: -108.577+/-149.343 χ^2/NDF: 127.5/113



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: 1299.977+/-0.210 χ^2/NDF: 378886.8/34

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

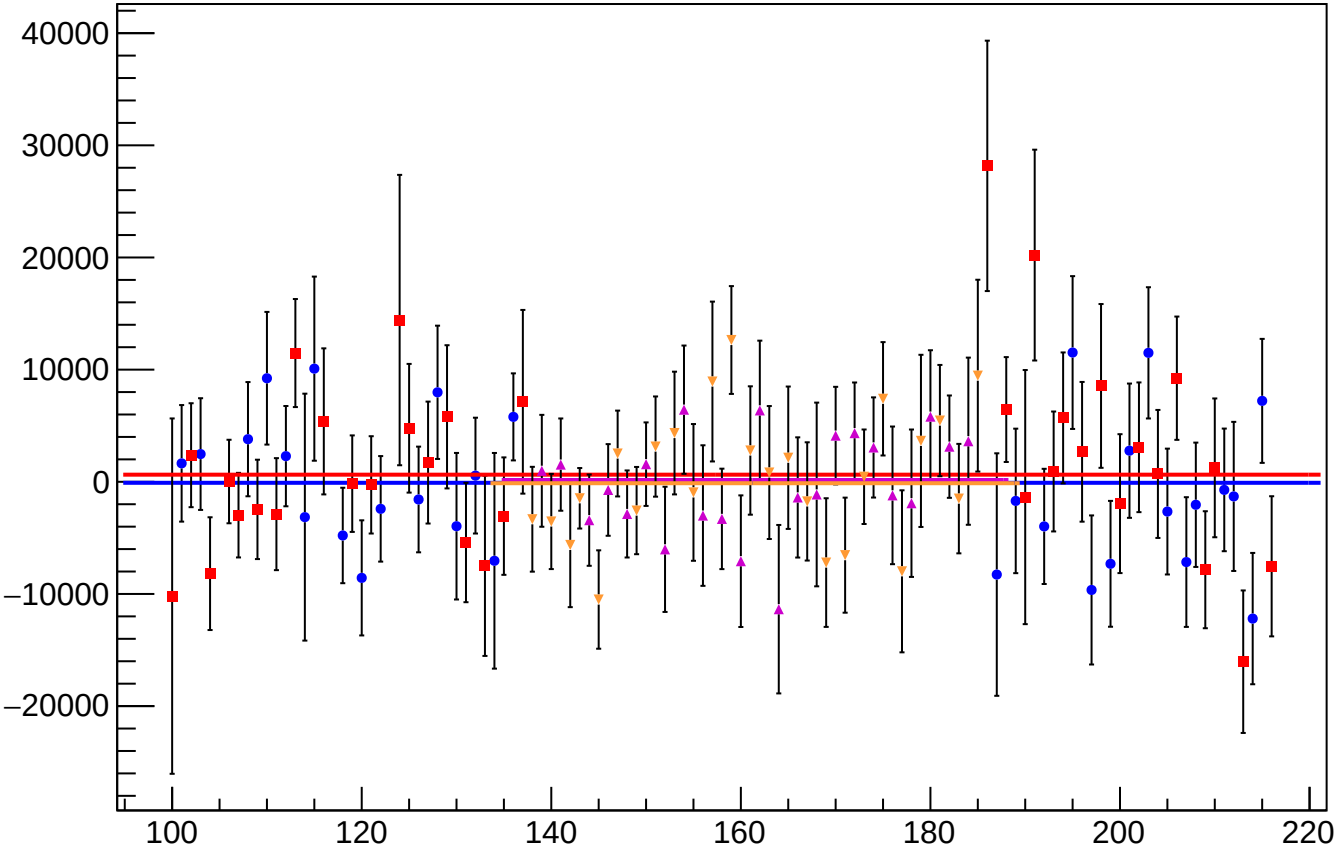
Right: 1297.388+/-0.148 χ^2/NDF: 909400.4/65

In: 1304.081+/-0.151 χ^2/NDF:577300.9/53

Out: 1295.556+/-0.148 χ^2/NDF:610503.9/59

All: 1299.728+/-0.106 χ^2/NDF: 1189433.6/11

asym_atl1r2_dd_atl2r1_dd_dd_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: 634.934+/-949.478 χ^2/NDF: 45.2/34

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

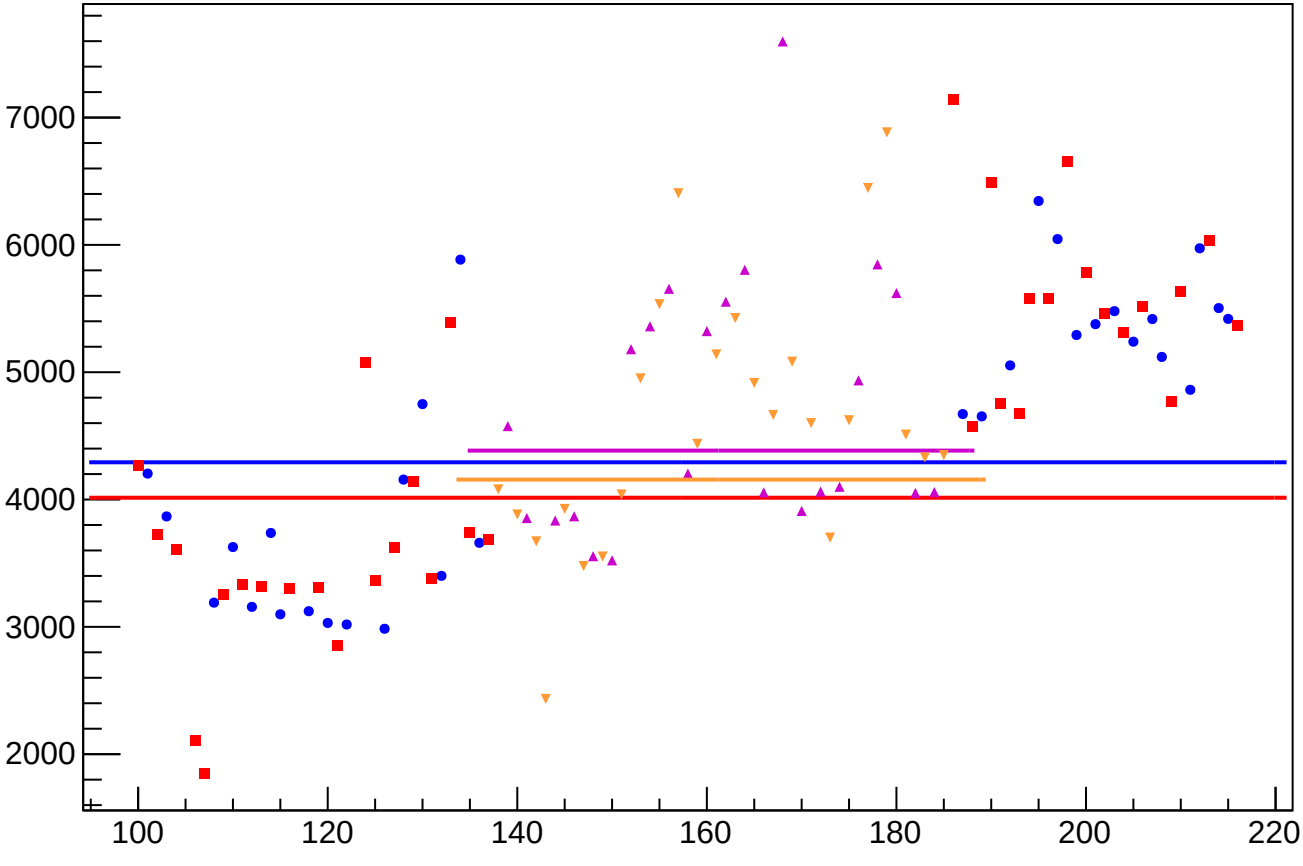
Right: 294.380+/-691.275 χ^2/NDF: 80.0/65

In: 30.348+/-725.813 χ^2/NDF:48.4/53

Out: 264.809+/-680.983 χ^2/NDF:74.1/59

All: 155.042+/-496.620 χ^2/NDF: 122.5/113

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 4014.168+/-0.671 χ^2/NDF: 3581172.3/34

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

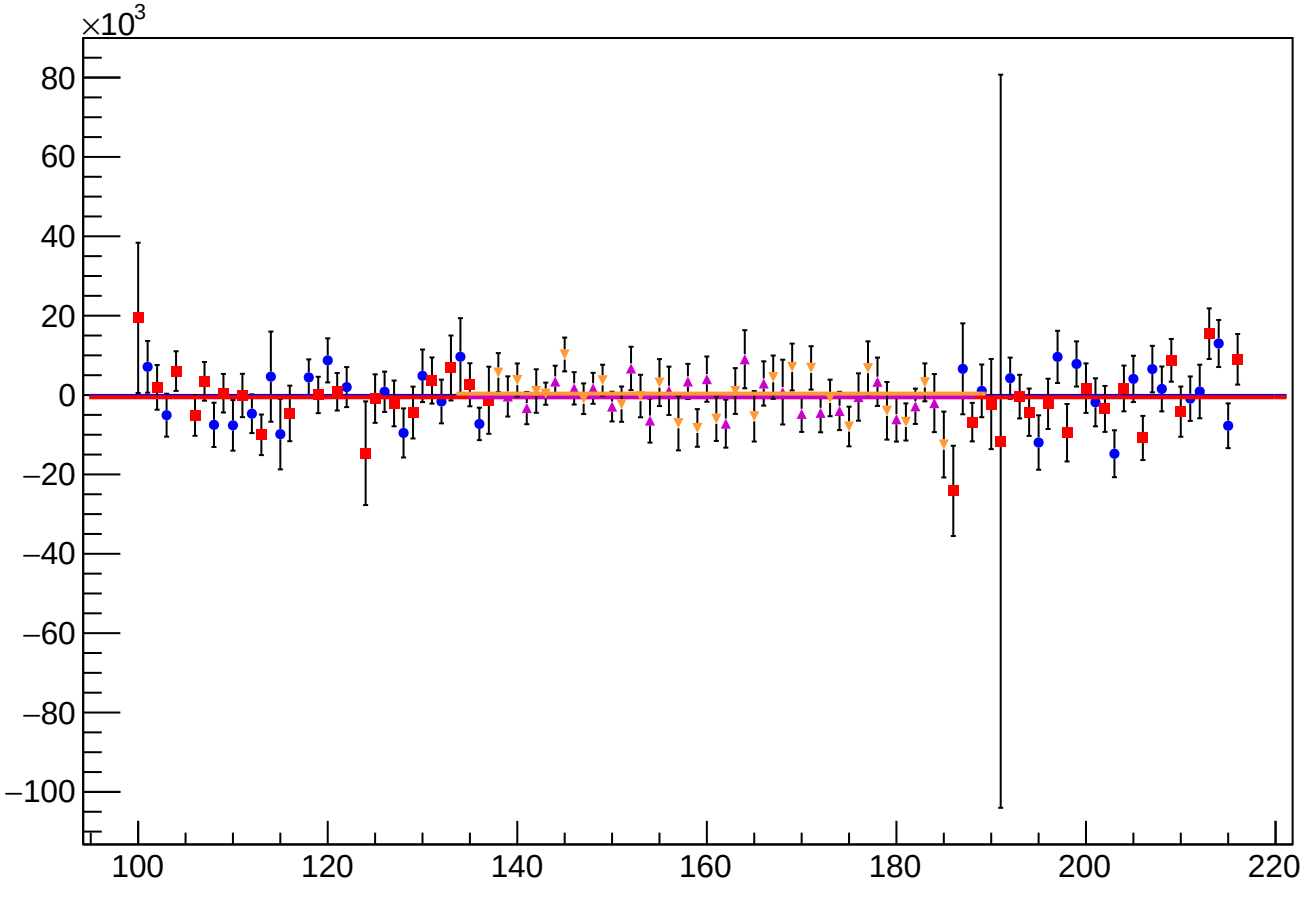
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4144.950+/-0.489 χ^2/NDF: 5804024.0/65

In: 4336.740+/-0.513 χ^2/NDF:3405579.4/53

Out: 4083.327+/-0.482 χ^2/NDF:5683792.6/59

All: 4201.966+/-0.351 χ^2/NDF: 9219034.3/11



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: -567.702+/-1026.015 χ^2/NDF: 35.5/34

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

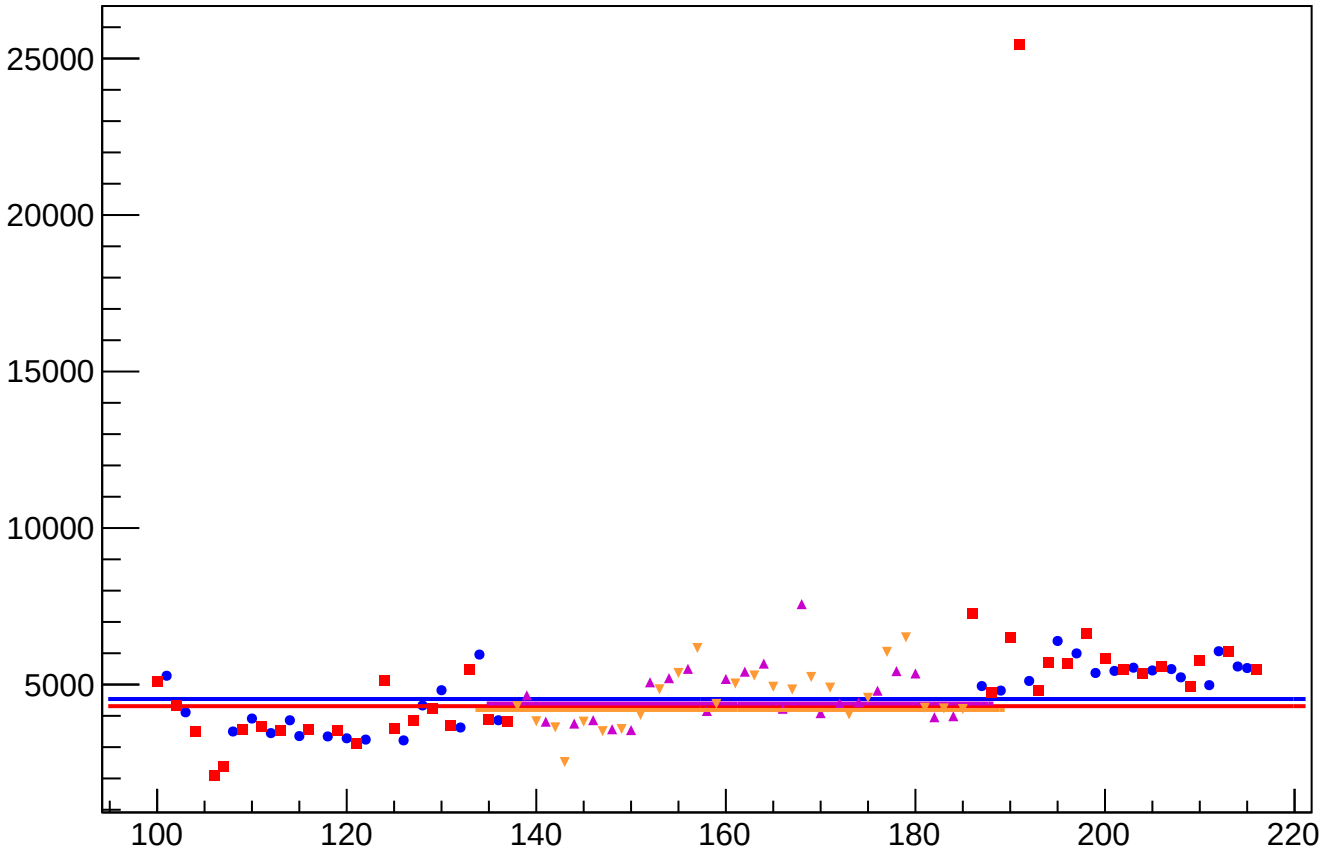
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -400.001+/-737.241 χ^2/NDF: 76.9/65

In: -361.271+/-744.084 χ^2/NDF:55.3/53

Out: -81.194+/-708.621 χ^2/NDF:63.6/59

All: -214.399+/-513.150 χ^2/NDF: 119.0/113



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: 4309.396+/-0.720 χ^2/NDF: 2840615.1/34

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

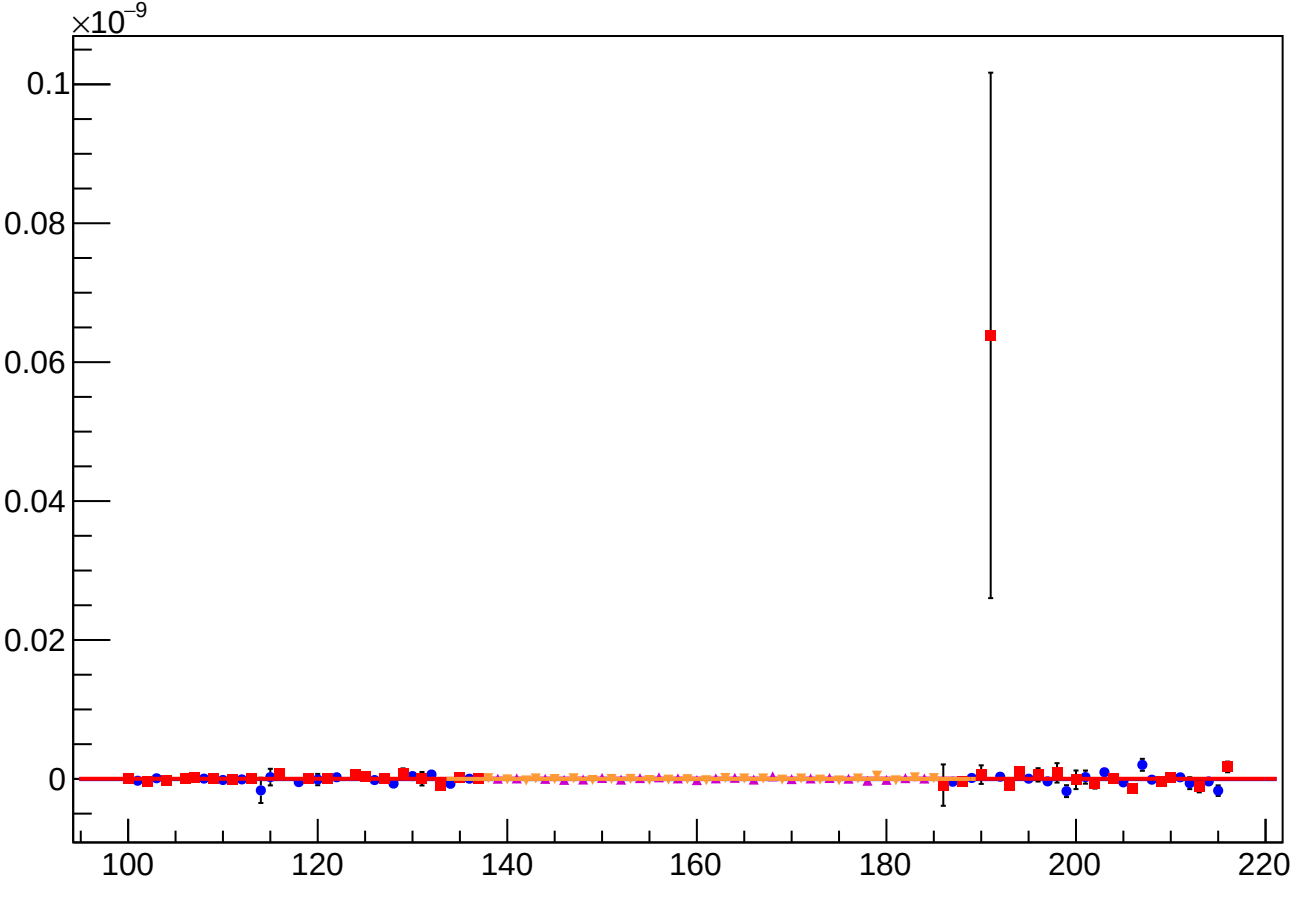
Right: 4419.111+/-0.519 χ^2/NDF: 4613204.8/65

In: 4465.187+/-0.526 χ^2/NDF:2831196.7/53

Out: 4246.321+/-0.499 χ^2/NDF:4651765.8/59

All: 4349.989+/-0.362 χ^2/NDF: 7574040.4/11

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.3/34

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

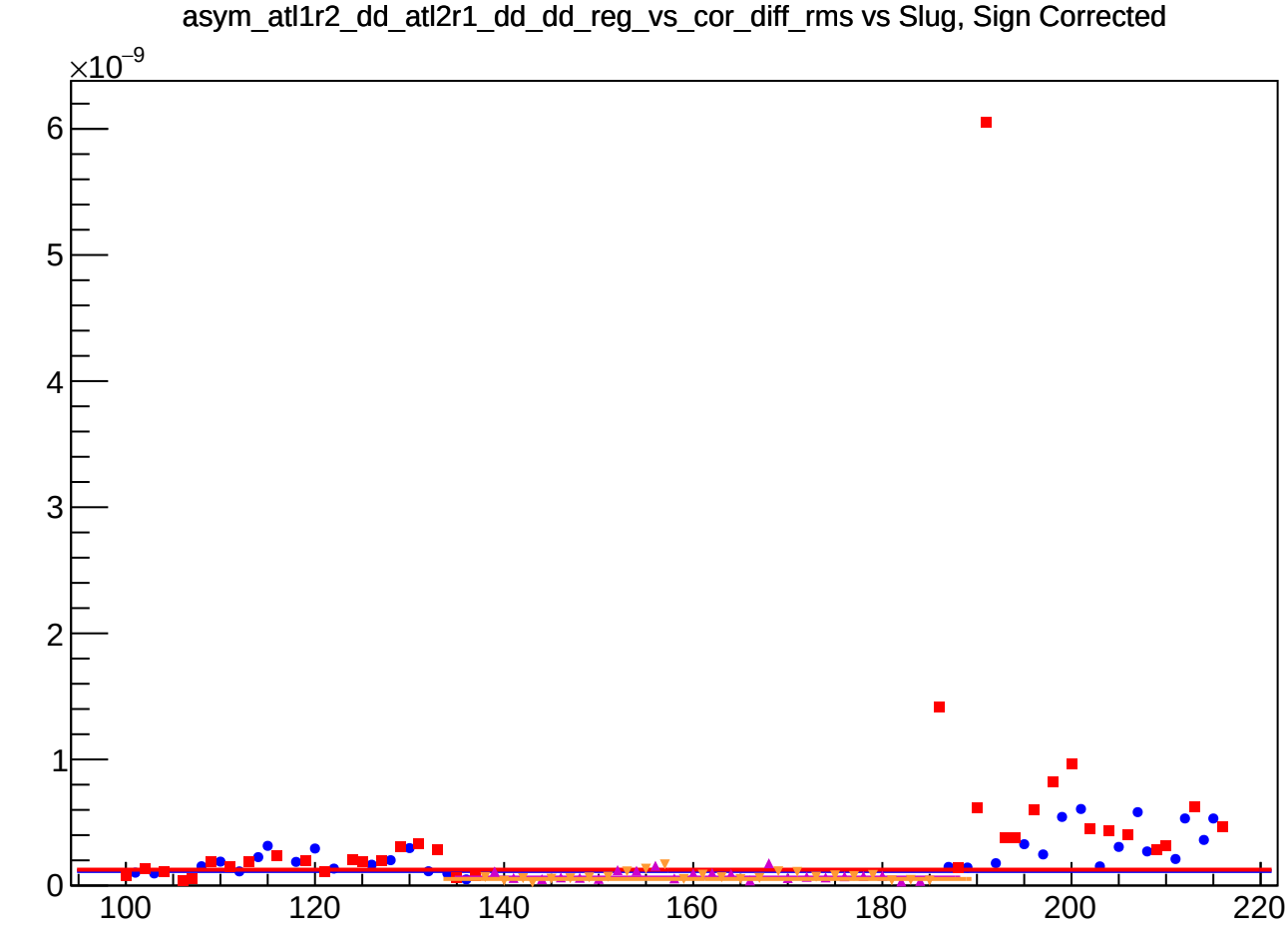
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 81.1/65

In: 0.000+/-0.000 χ^2/NDF:58.2/53

Out: -0.000+/-0.000 χ^2/NDF:70.9/59

All: 0.000+/-0.000 χ^2/NDF: 129.3/113



Right In: 0.000+/-0.000 χ^2/NDF: 5930476.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7898222.6/34

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

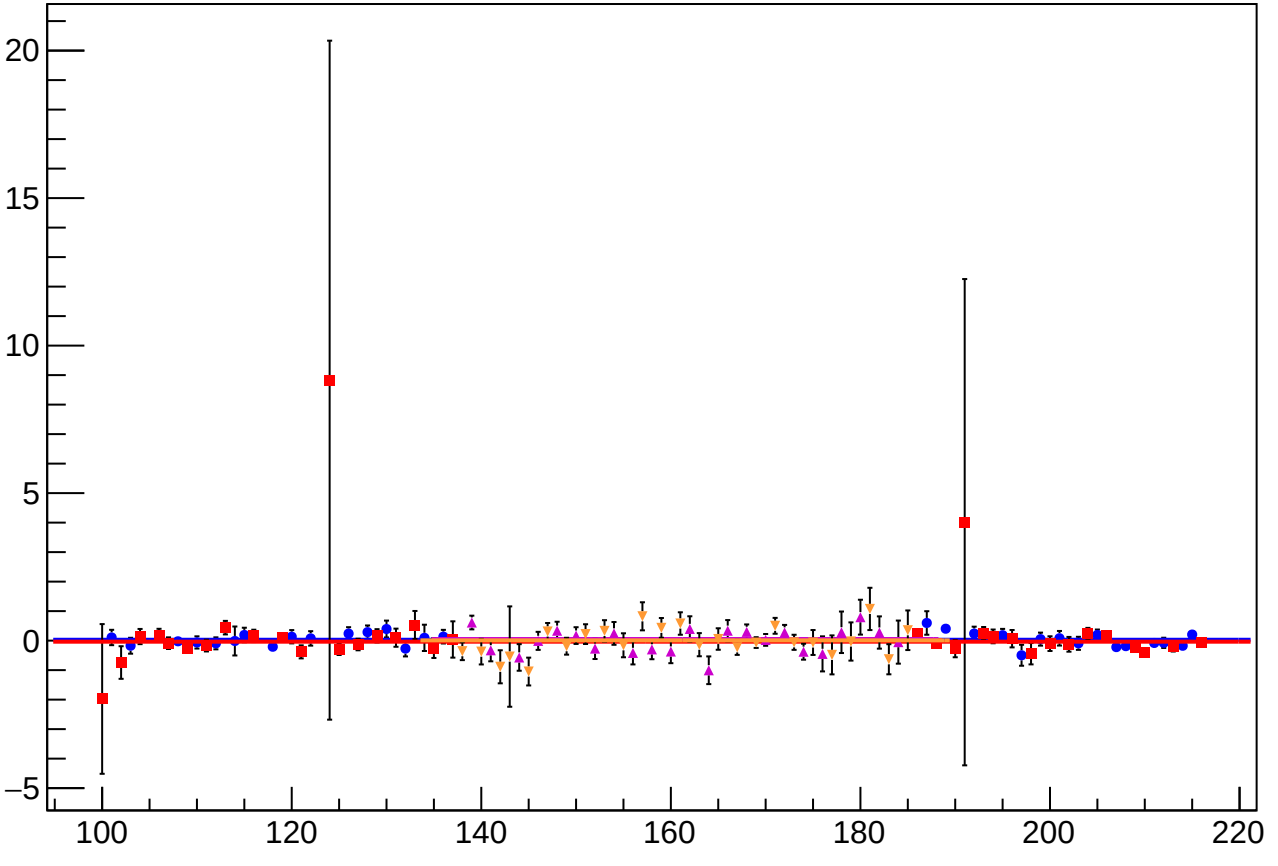
Right: 0.000+/-0.000 χ^2/NDF: 13863084.3/65

In: 0.000+/-0.000 χ^2/NDF:9215061.8/53

Out: 0.000+/-0.000 χ^2/NDF:13202473.9/59

All: 0.000+/-0.000 χ^2/NDF: 22695732.8/113

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

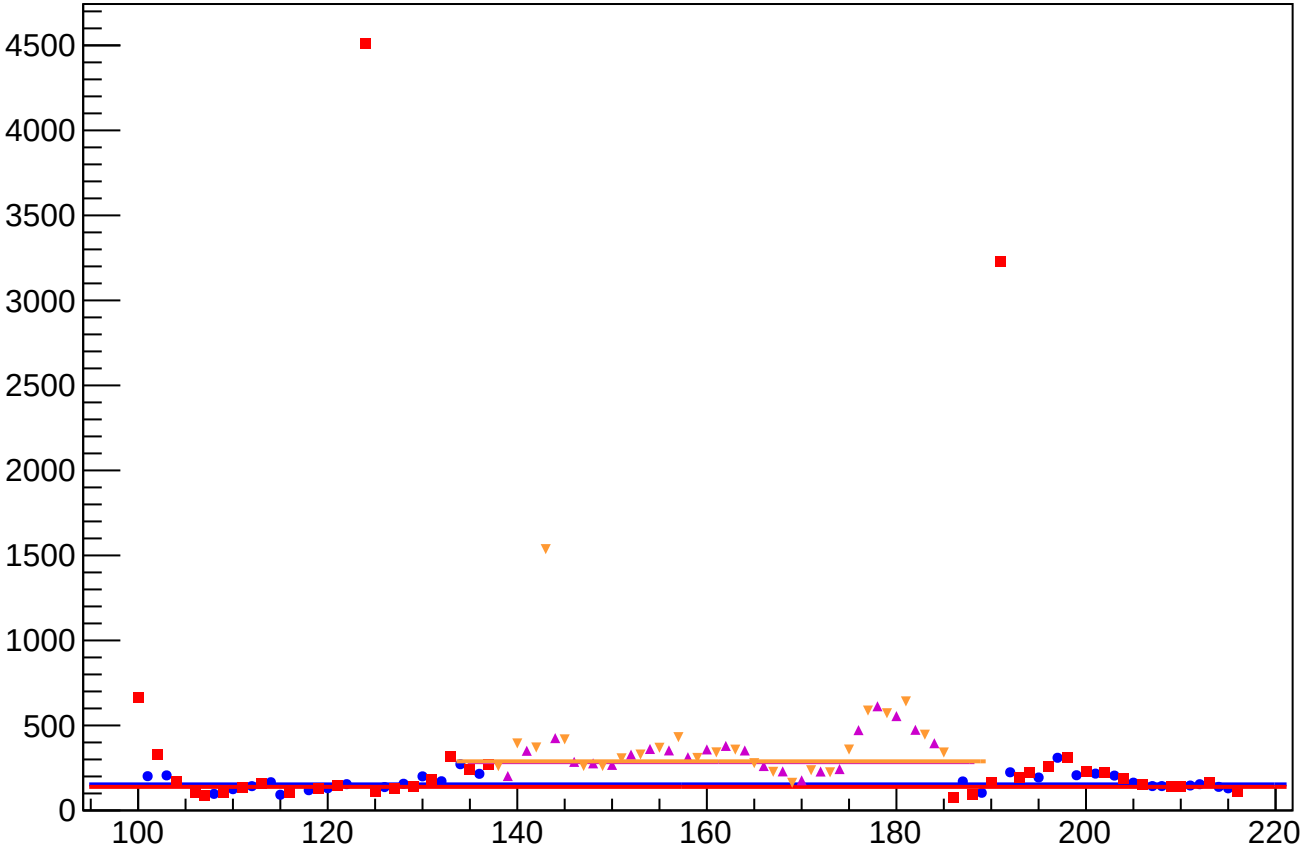
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.738+/-0.024 χ^2/NDF: 4792212.8/34

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

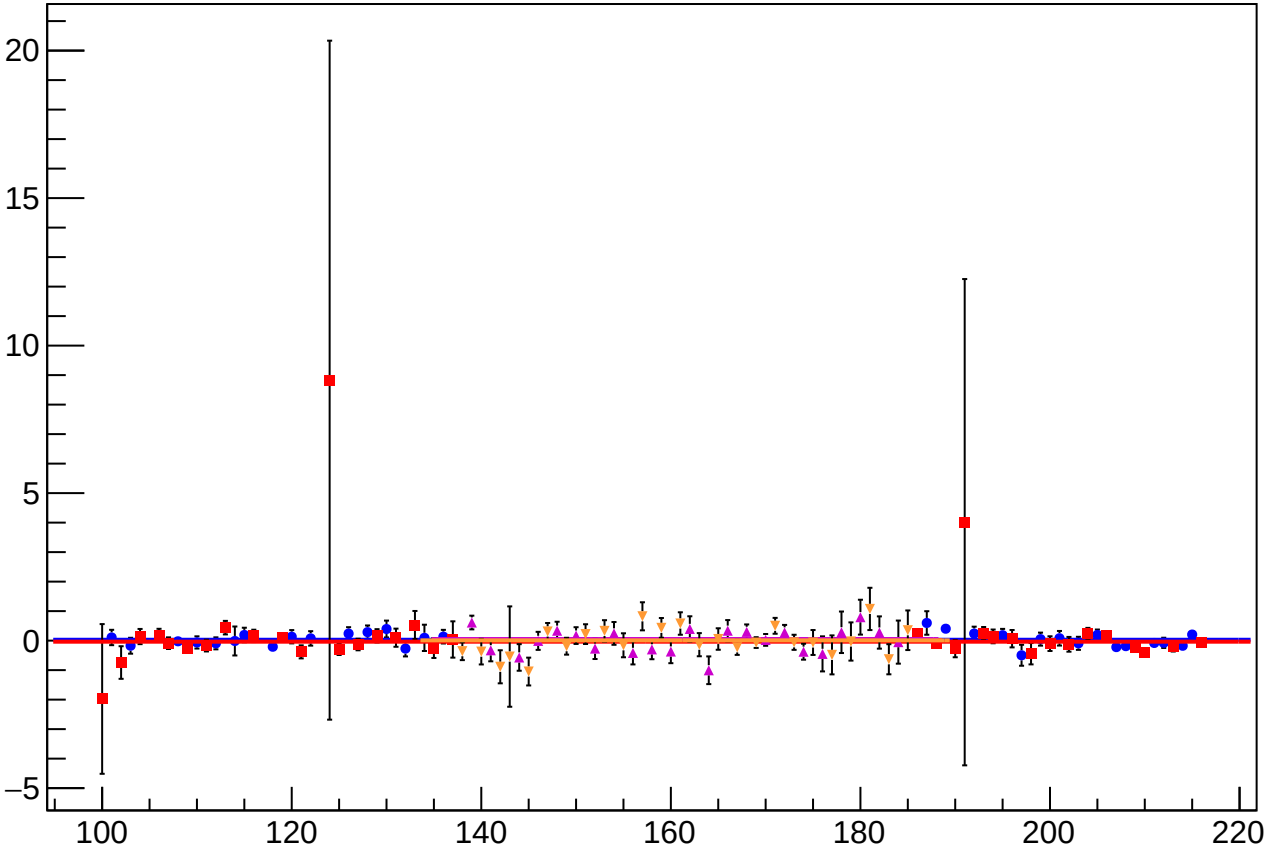
Right: 145.556+/-0.018 χ^2/NDF: 7307817.2/65

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 167.485+/-0.022 χ^2/NDF:16672450.7/59

All: 174.101+/-0.016 χ^2/NDF: 27716978.1/11

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

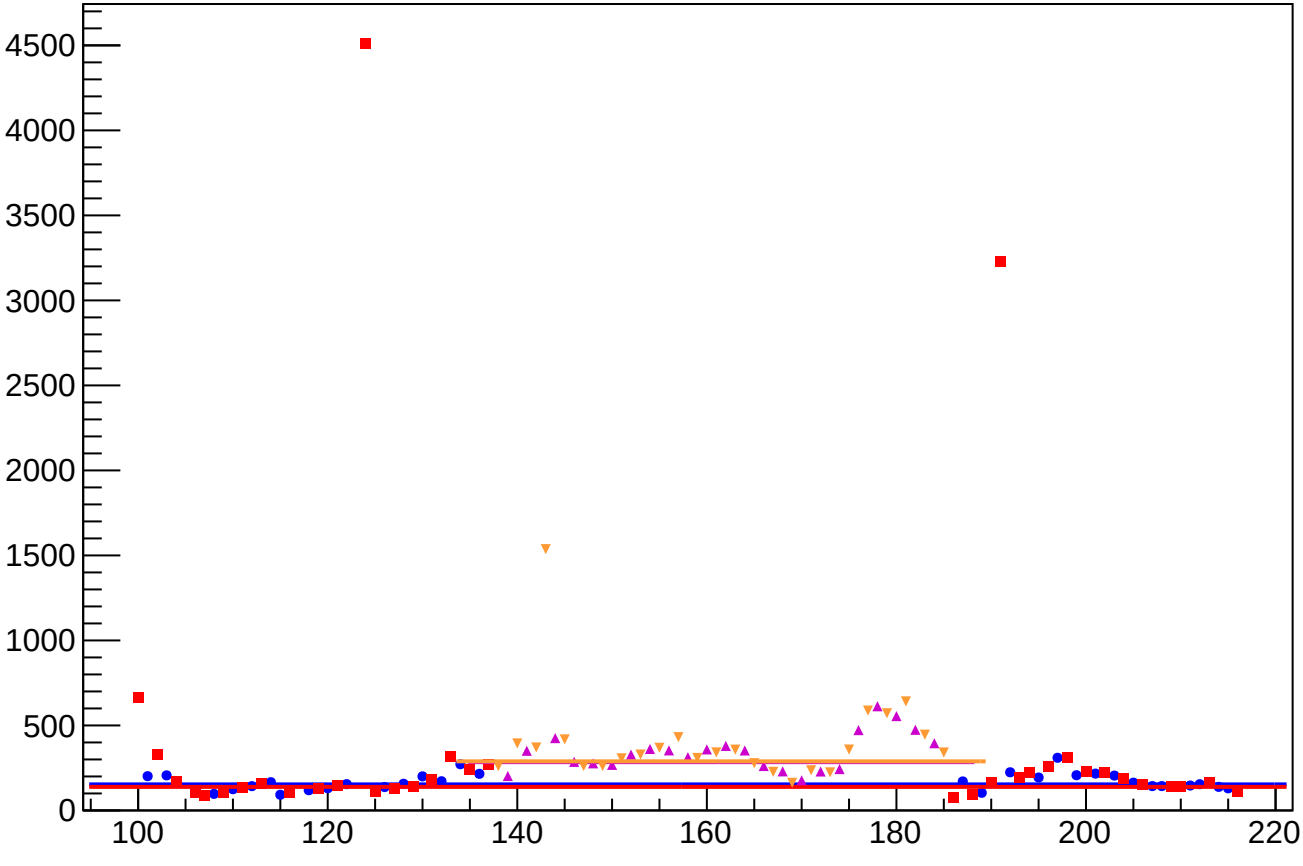
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.738+/-0.024 χ^2/NDF: 4792212.8/34

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

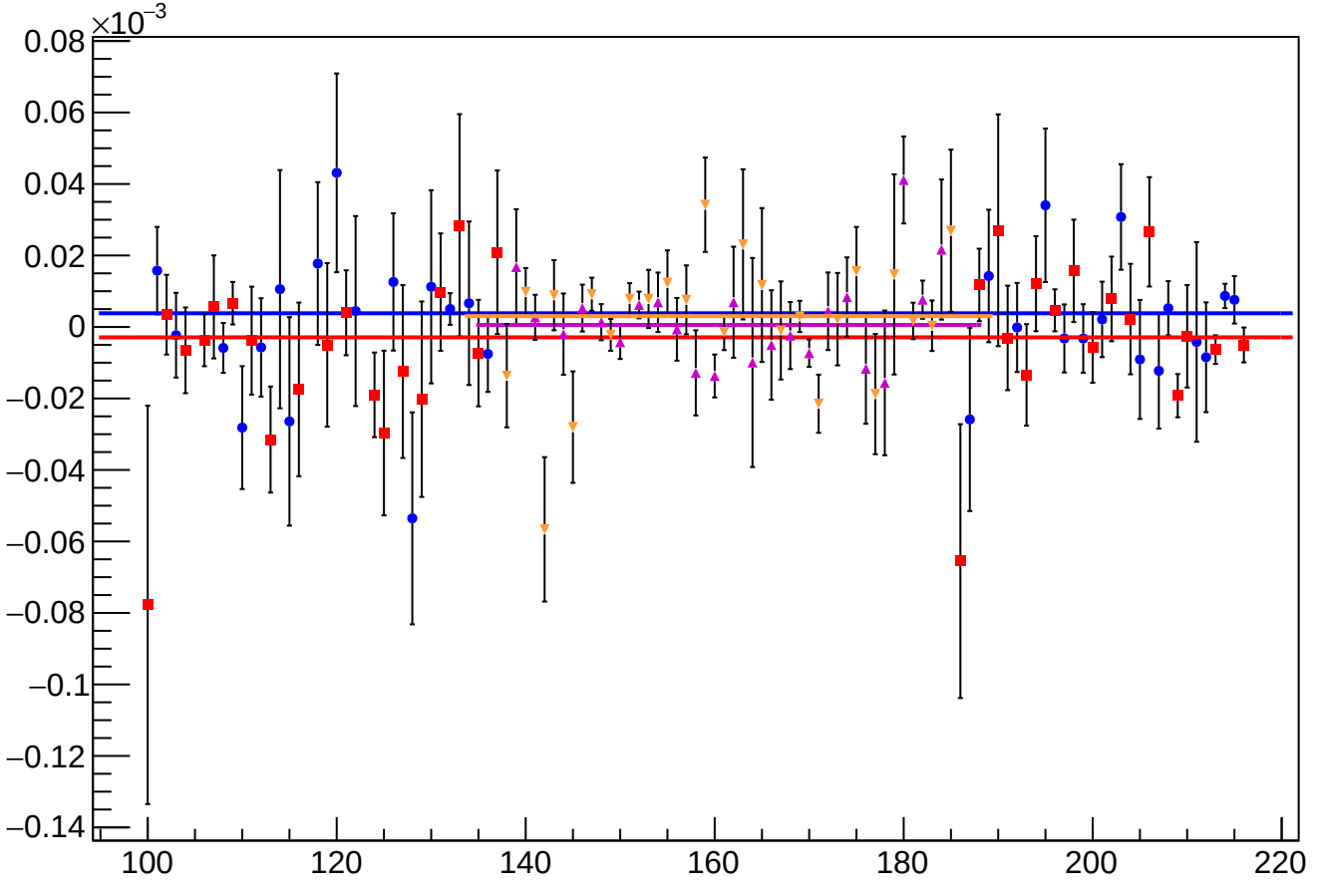
Right: 145.556+/-0.018 χ^2/NDF: 7307817.2/65

In: 181.393+/-0.023 χ^2/NDF:10853921.7/53

Out: 167.485+/-0.022 χ^2/NDF:16672450.7/59

All: 174.101+/-0.016 χ^2/NDF: 27716978.1/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/34

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

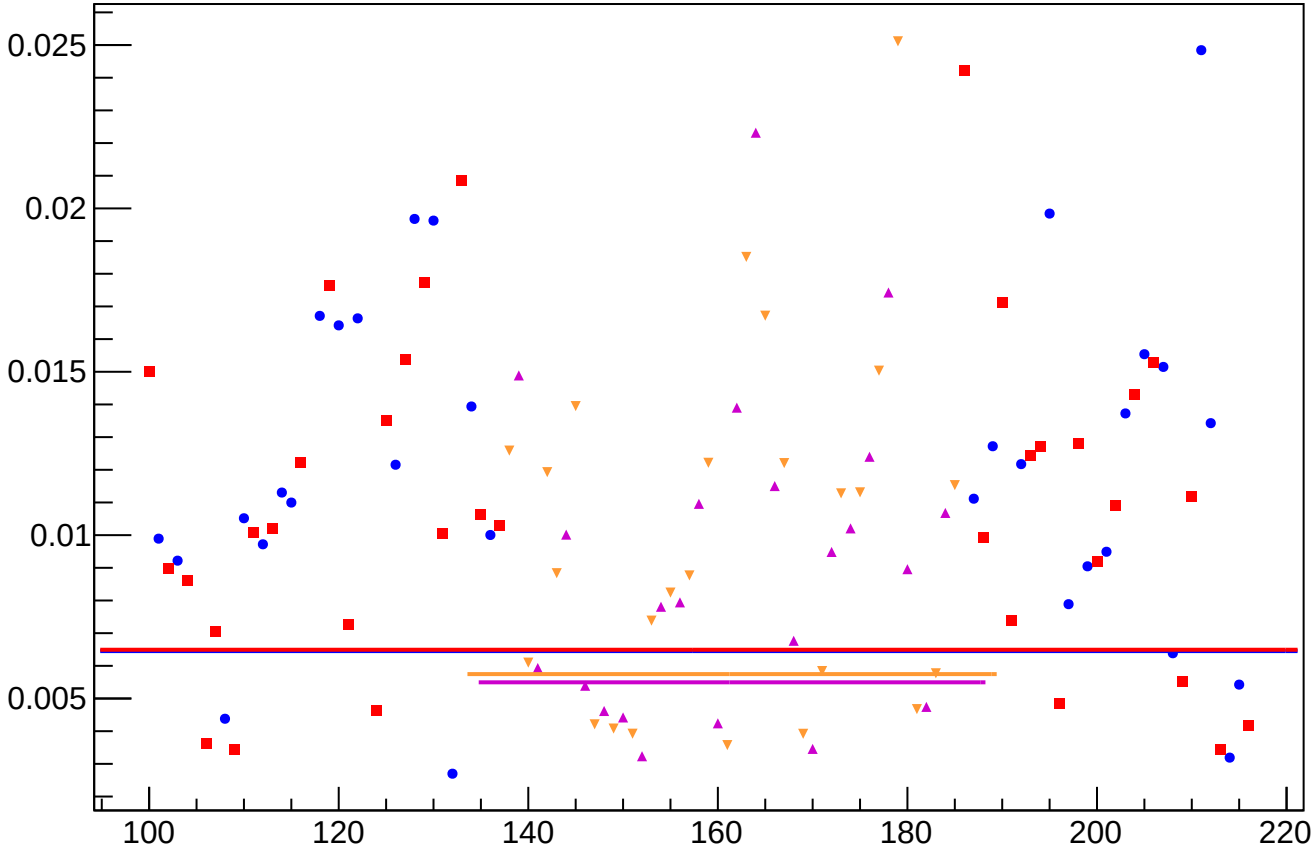
Right: 0.000+/-0.000 χ^2/NDF: 75.8/65

In: 0.000+/-0.000 χ^2/NDF:63.8/53

Out: 0.000+/-0.000 χ^2/NDF:88.7/59

All: 0.000+/-0.000 χ^2/NDF: 153.3/113

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: 0.006+/-0.000 χ^2/NDF: 9153023.7/34

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

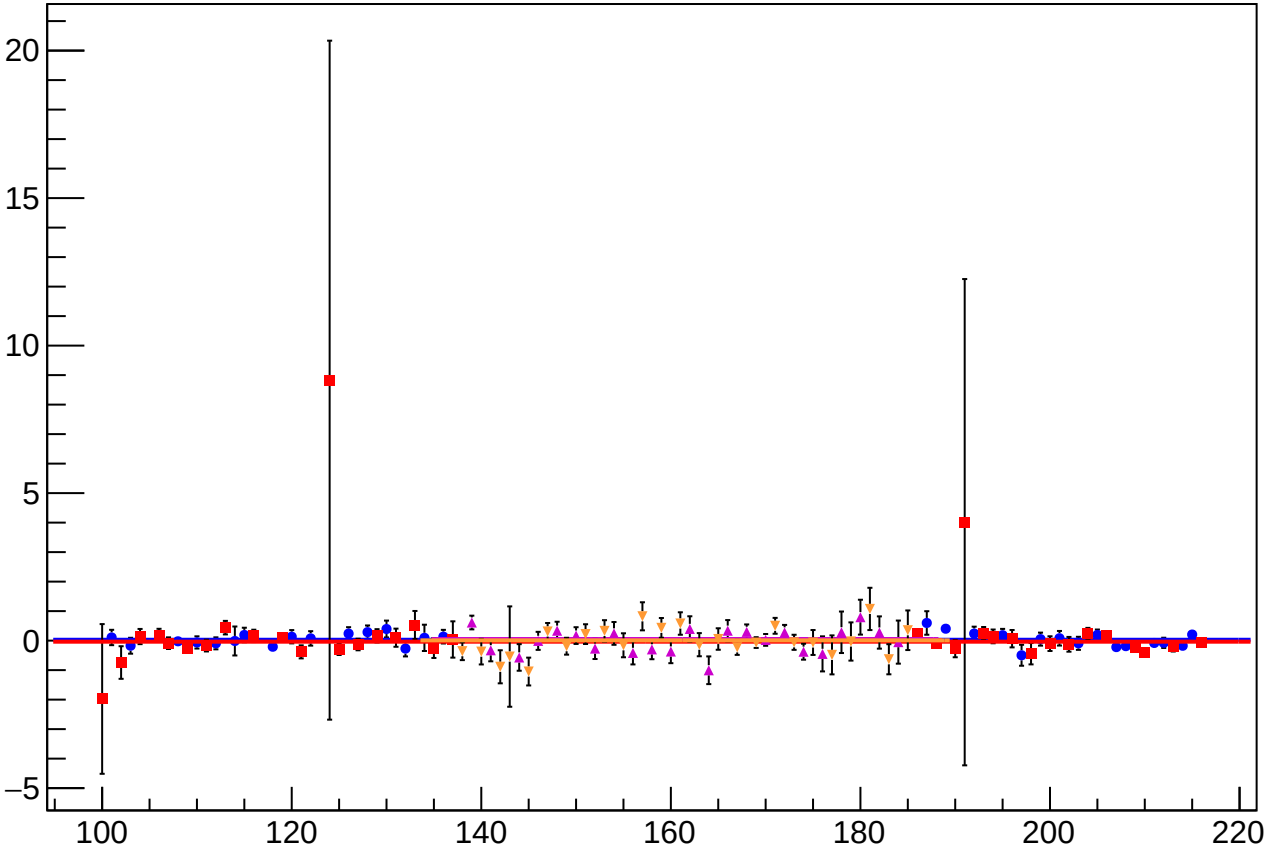
Right: 0.006+/-0.000 χ^2/NDF: 20473917.2/65

In: 0.006+/-0.000 χ^2/NDF:18585008.7/53

Out: 0.006+/-0.000 χ^2/NDF:17490336.5/59

All: 0.006+/-0.000 χ^2/NDF: 36100368.5/113

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

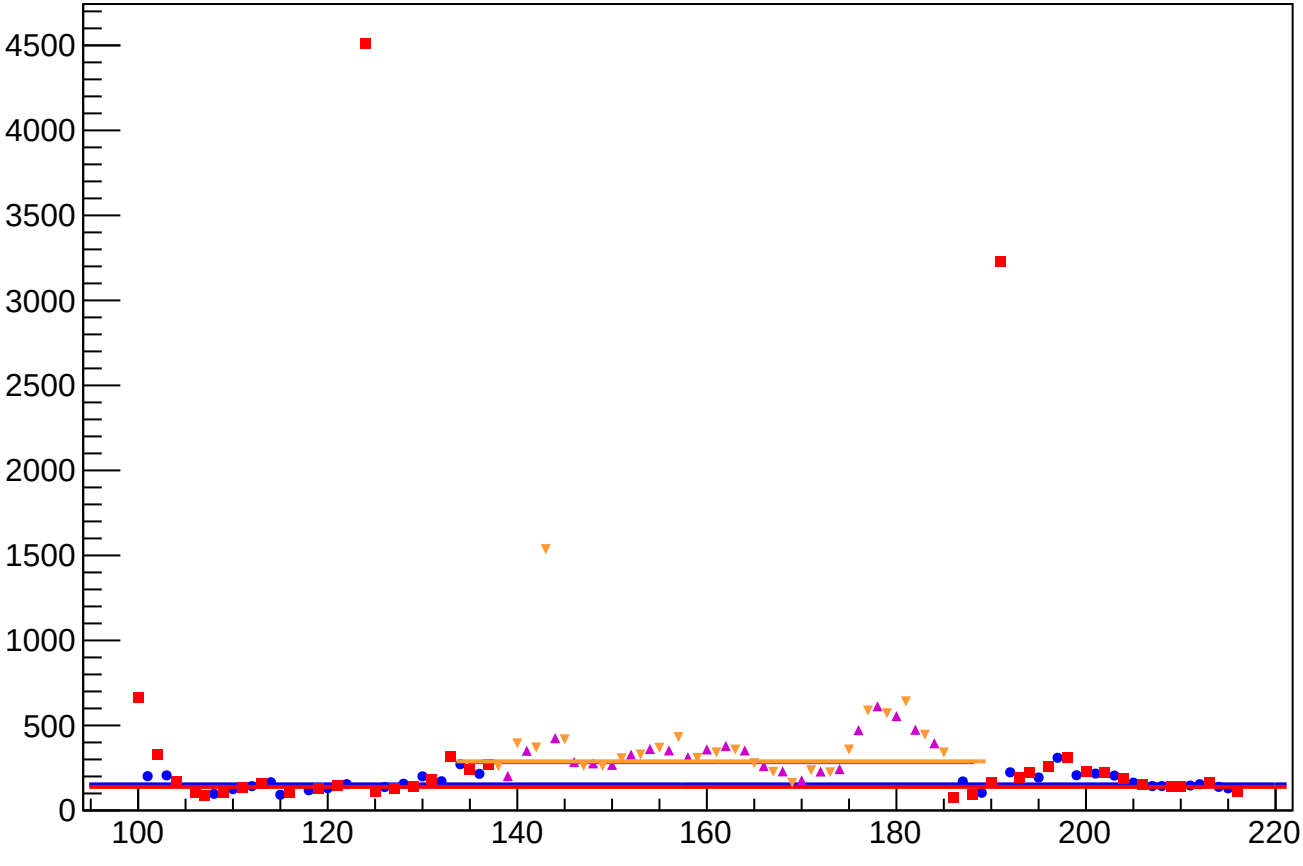
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.740+/-0.024 χ^2/NDF: 4792049.6/34

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

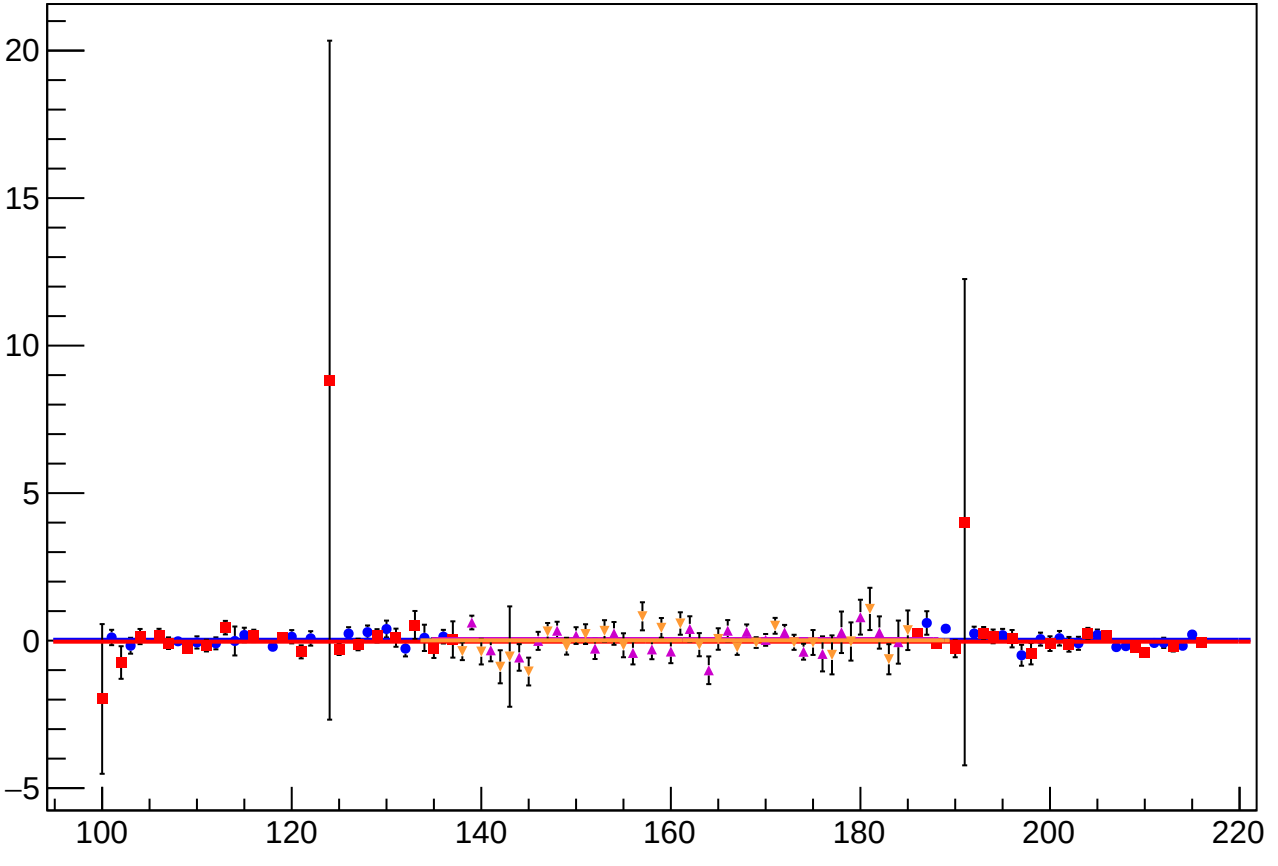
Right: 145.558+/-0.018 χ^2/NDF: 7307611.7/65

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 167.487+/-0.022 χ^2/NDF:16672274.9/59

All: 174.102+/-0.016 χ^2/NDF: 27716879.3/11

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: -0.036+/-0.035 χ^2/NDF: 40.7/34

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

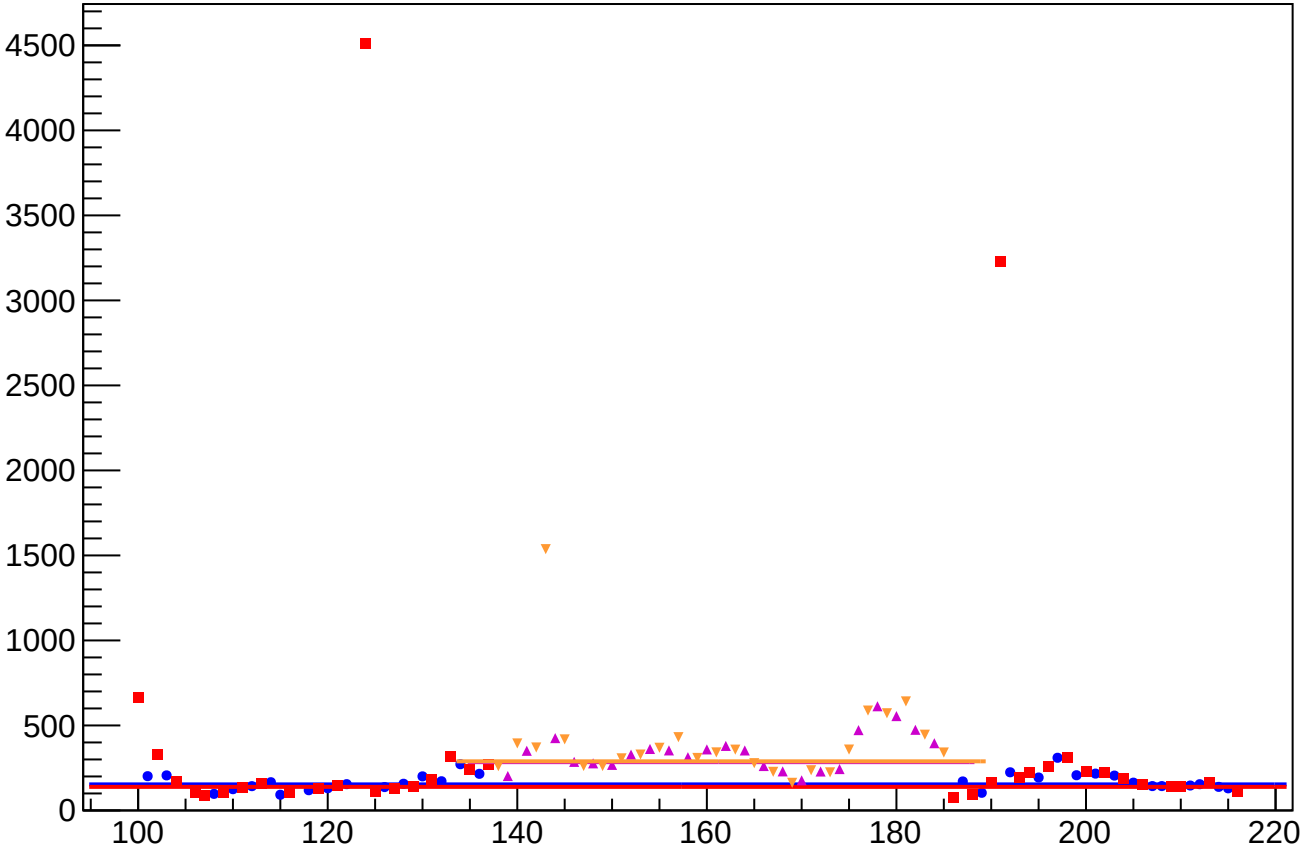
Right: -0.005+/-0.025 χ^2/NDF: 73.6/65

In: 0.035+/-0.033 χ^2/NDF:59.0/53

Out: -0.027+/-0.031 χ^2/NDF:69.9/59

All: 0.002+/-0.022 χ^2/NDF: 130.8/113

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: 138.740+/-0.024 χ^2/NDF: 4792049.6/34

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

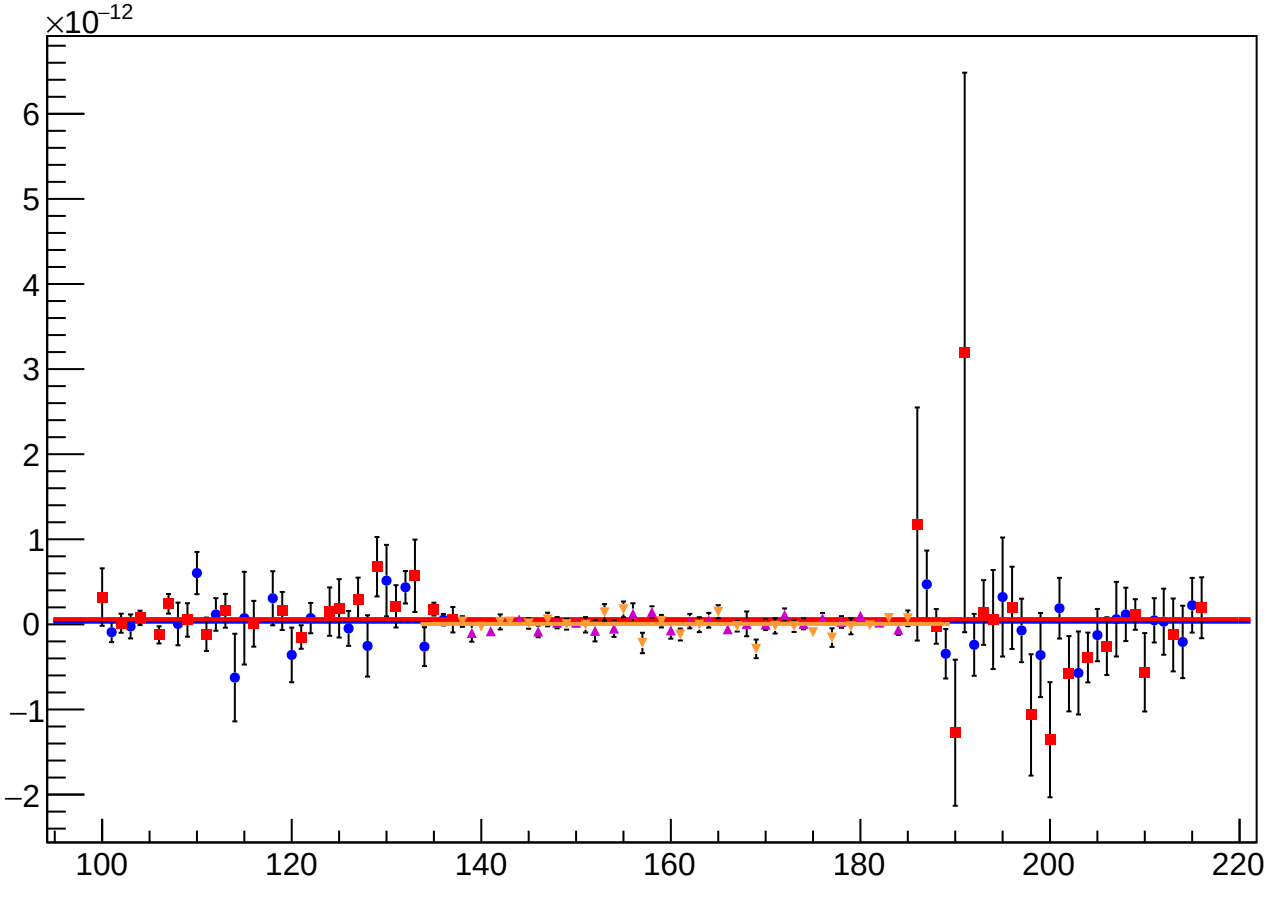
Right: 145.558+/-0.018 χ^2/NDF: 7307611.7/65

In: 181.394+/-0.023 χ^2/NDF:10854029.8/53

Out: 167.487+/-0.022 χ^2/NDF:16672274.9/59

All: 174.102+/-0.016 χ^2/NDF: 27716879.3/11

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/34

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

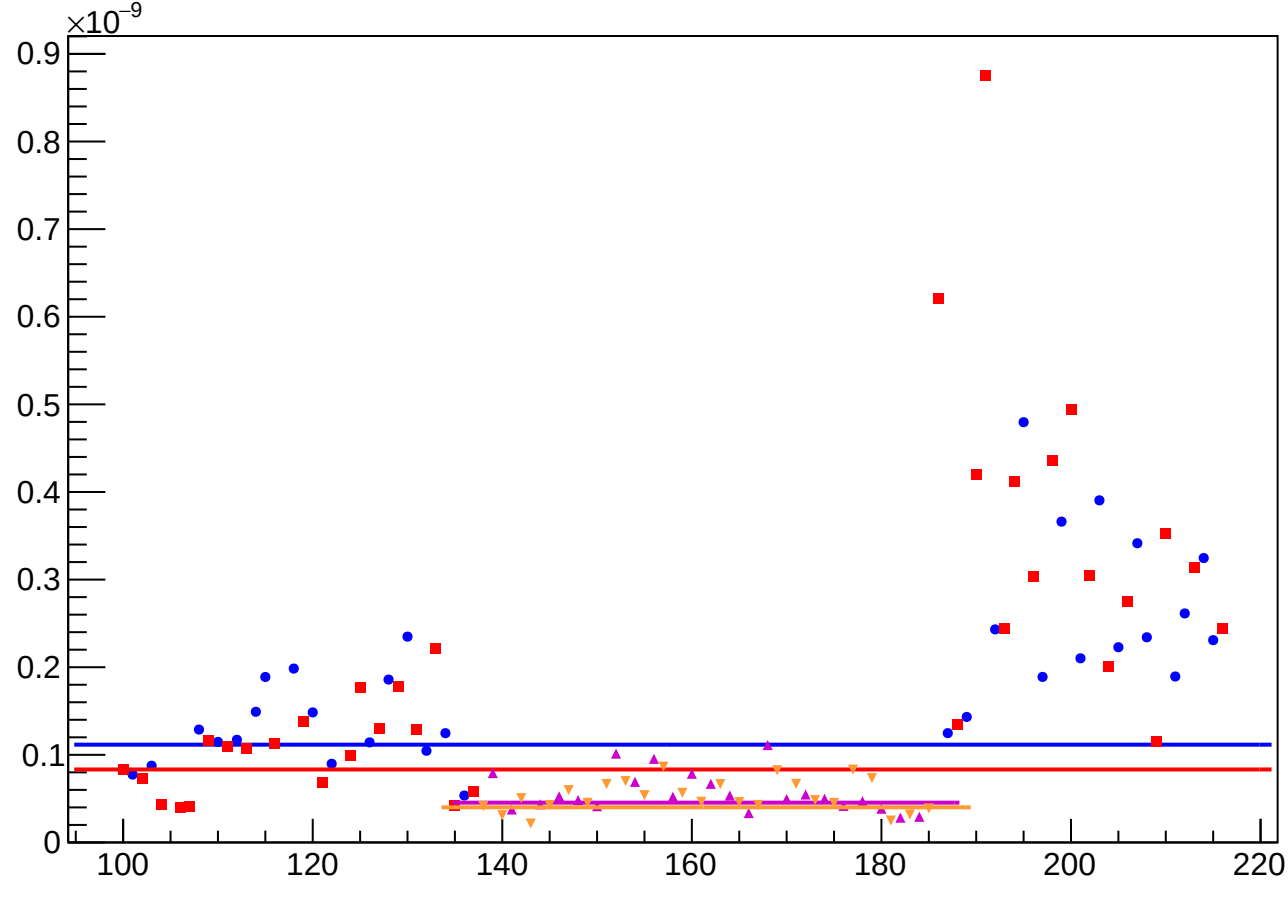
Right: 0.000+/-0.000 χ^2/NDF: 64.0/65

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:74.3/59

All: 0.000+/-0.000 χ^2/NDF: 123.8/113

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: 9399601.0/34

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

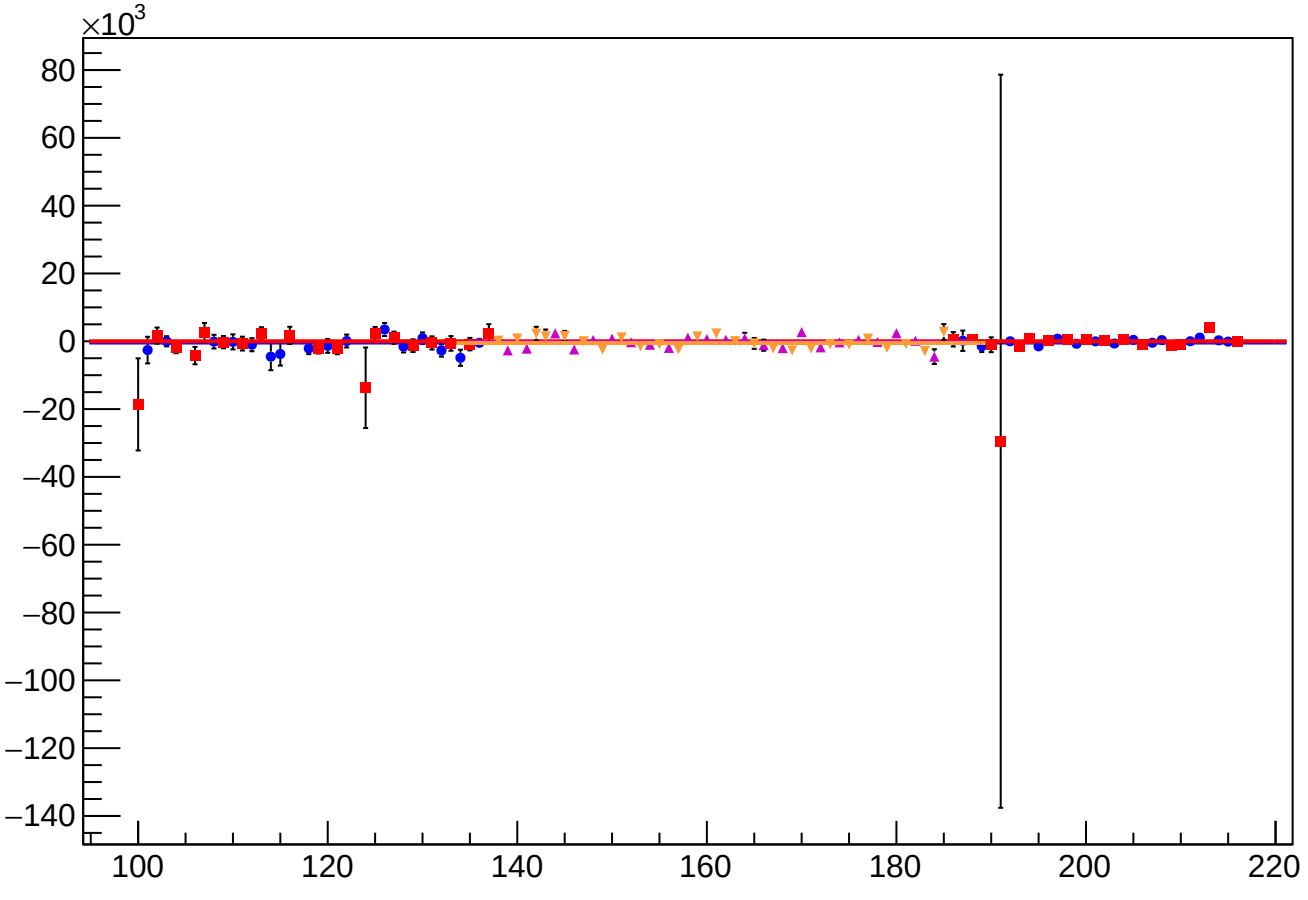
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16928635.0/65

In: 0.000+/-0.000 χ^2/NDF:14838485.8/53

Out: 0.000+/-0.000 χ^2/NDF:16174878.6/59

All: 0.000+/-0.000 χ^2/NDF: 31347011.4/113



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: 5.203+/-293.245 χ^2/NDF: 29.8/34

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

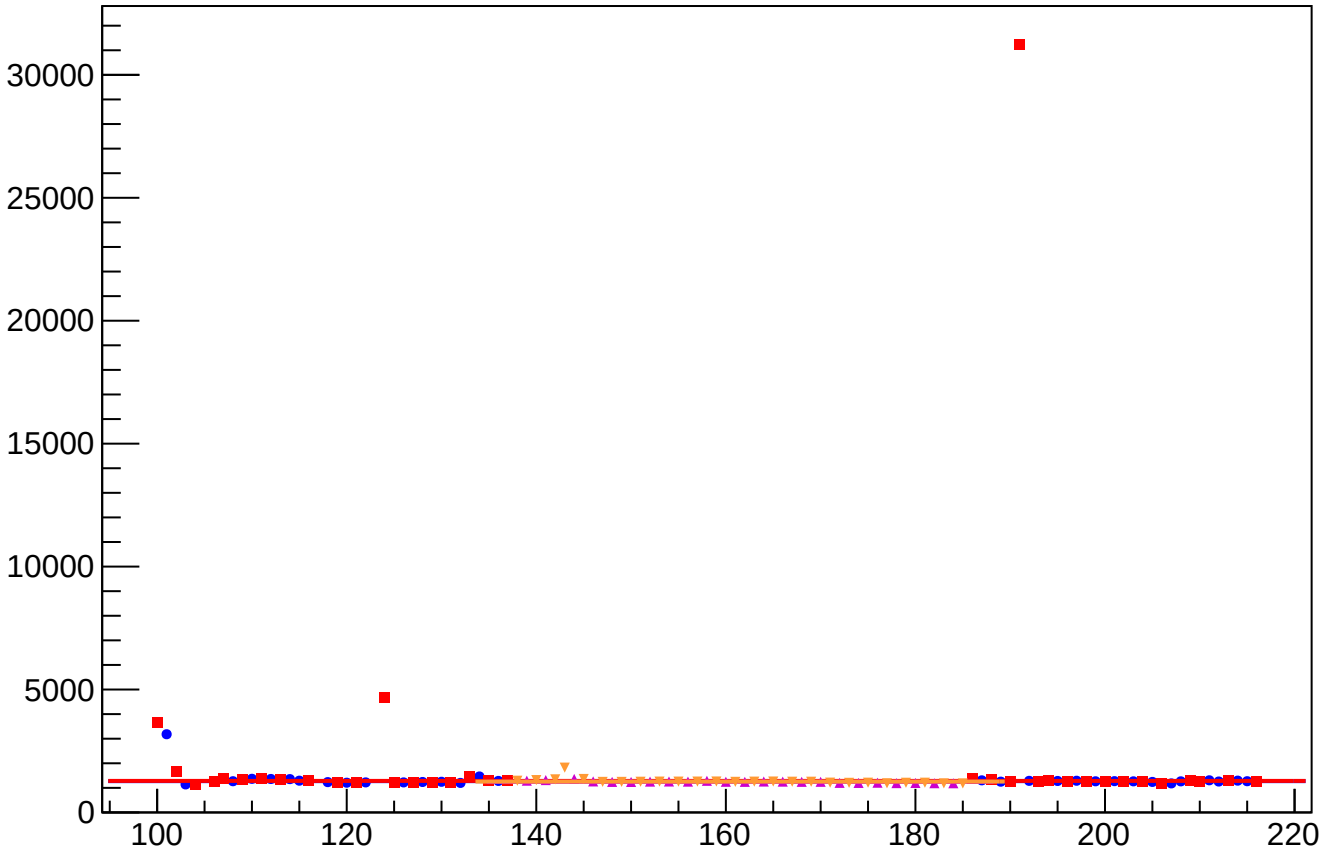
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -178.725+/-206.923 χ^2/NDF: 48.8/65

In: -301.733+/-206.189 χ^2/NDF:50.4/53

Out: -261.190+/-204.725 χ^2/NDF:62.3/59

All: -281.317+/-145.278 χ^2/NDF: 112.7/113



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: 1283.056+/-0.207 χ^2/NDF: 508009.8/34

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

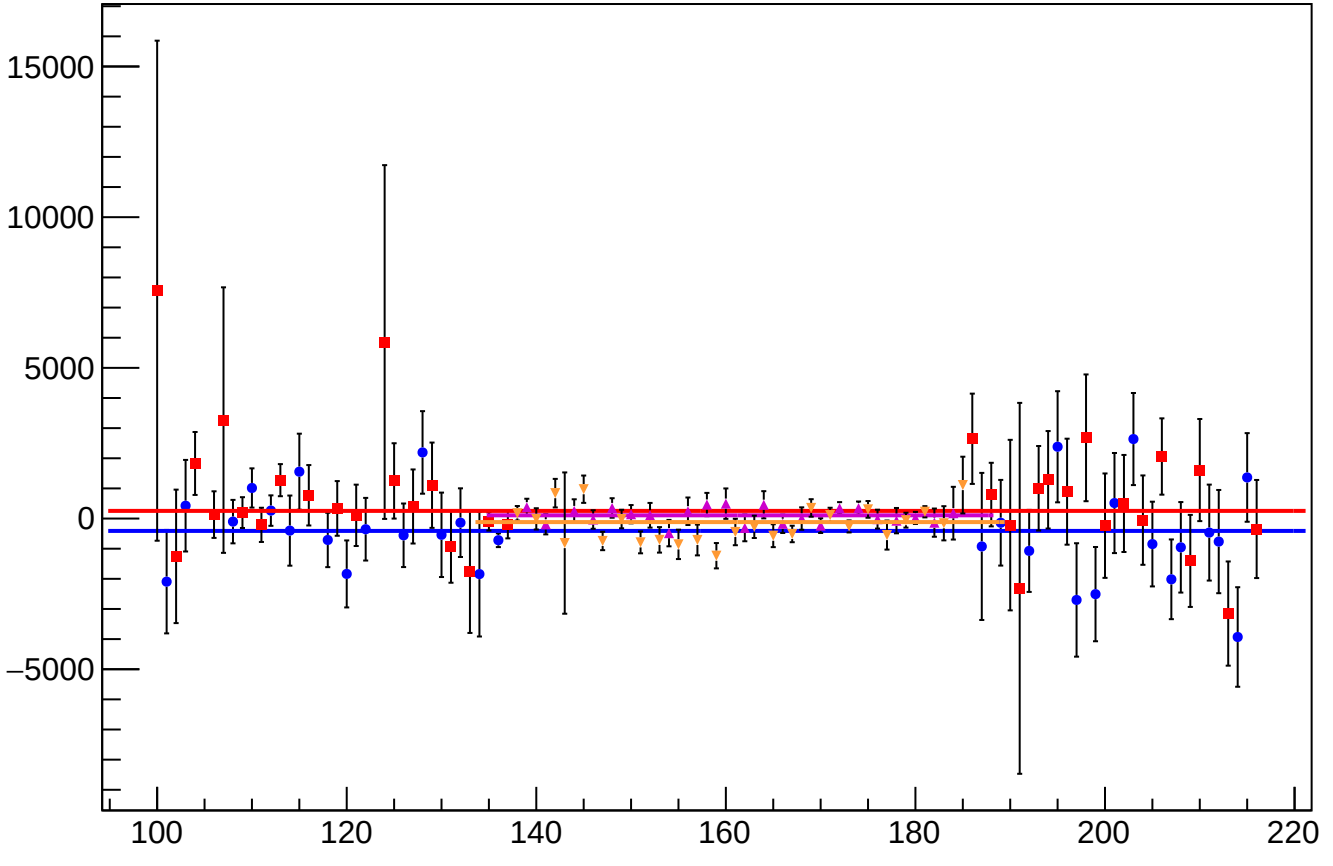
Right: 1278.177+/-0.146 χ^2/NDF: 1043277.7/65

In: 1259.807+/-0.146 χ^2/NDF:582586.3/53

Out: 1268.938+/-0.145 χ^2/NDF:720177.3/59

All: 1264.405+/-0.103 χ^2/NDF: 1304738.5/11

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: 254.182+/-156.176 χ^2/NDF: 28.0/34

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

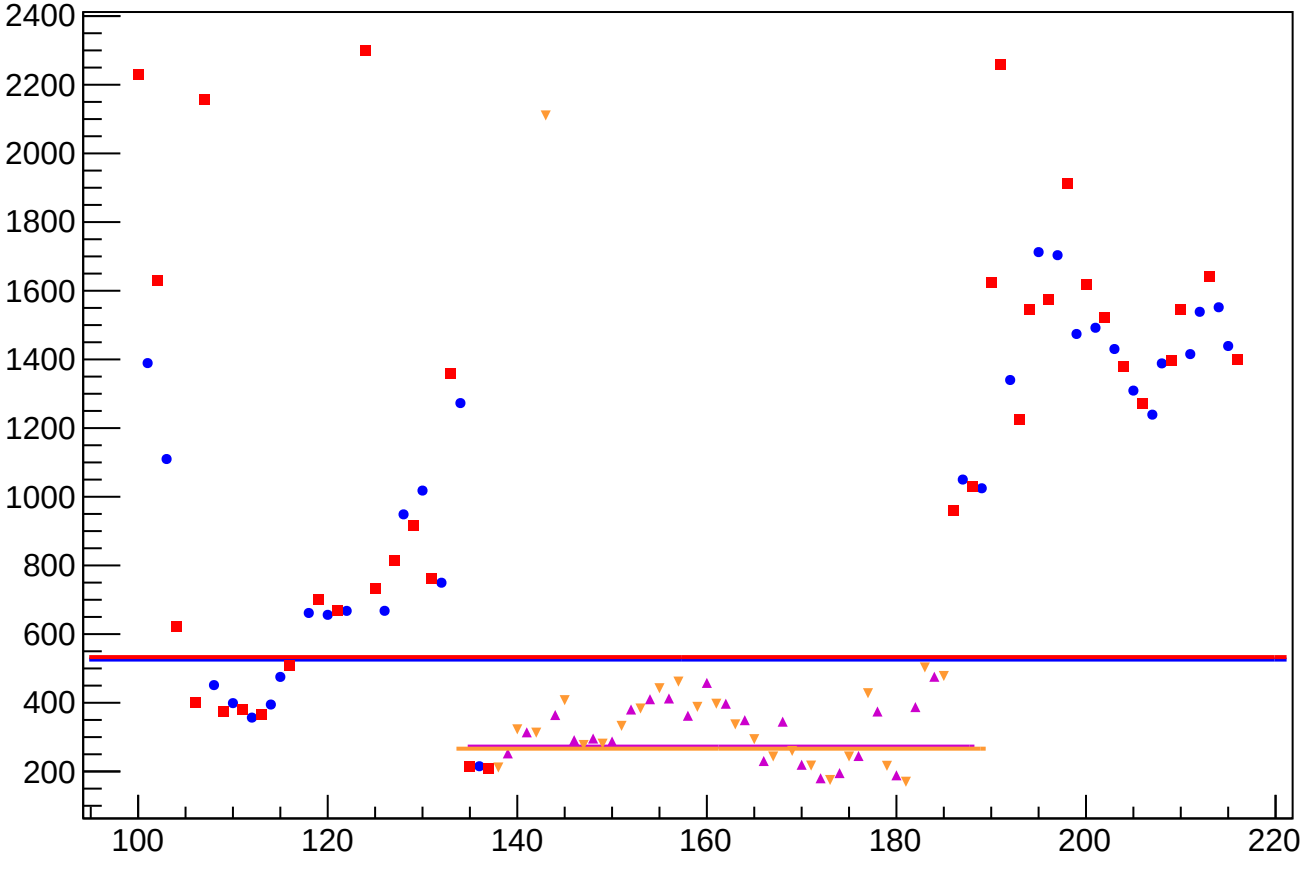
Right: -79.728+/-110.158 χ^2/NDF: 73.2/65

In: 26.196+/-61.526 χ^2/NDF:59.2/53

Out: -62.136+/-60.056 χ^2/NDF:81.2/59

All: -19.038+/-42.976 χ^2/NDF: 141.5/113

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: 533.052+/-0.110 χ^2/NDF: 15123404.4/34

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

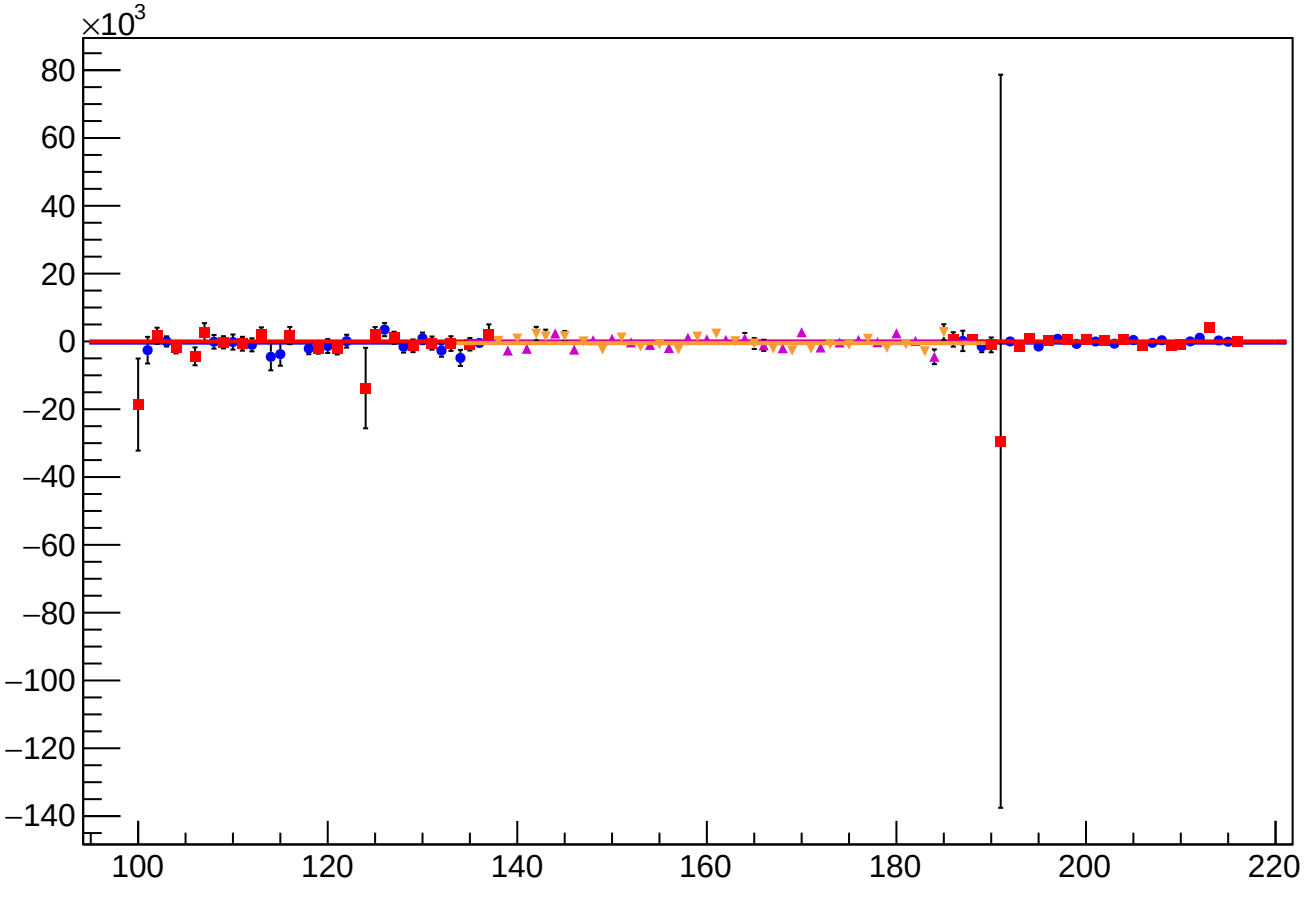
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 529.410+/-0.078 χ^2/NDF: 30393669.7/65

In: 312.095+/-0.044 χ^2/NDF:22641549.1/53

Out: 305.763+/-0.042 χ^2/NDF:24724620.3/59

All: 308.852+/-0.030 χ^2/NDF: 47377016.4/11



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: 6.429+/-293.359 χ^2/NDF: 29.8/34

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

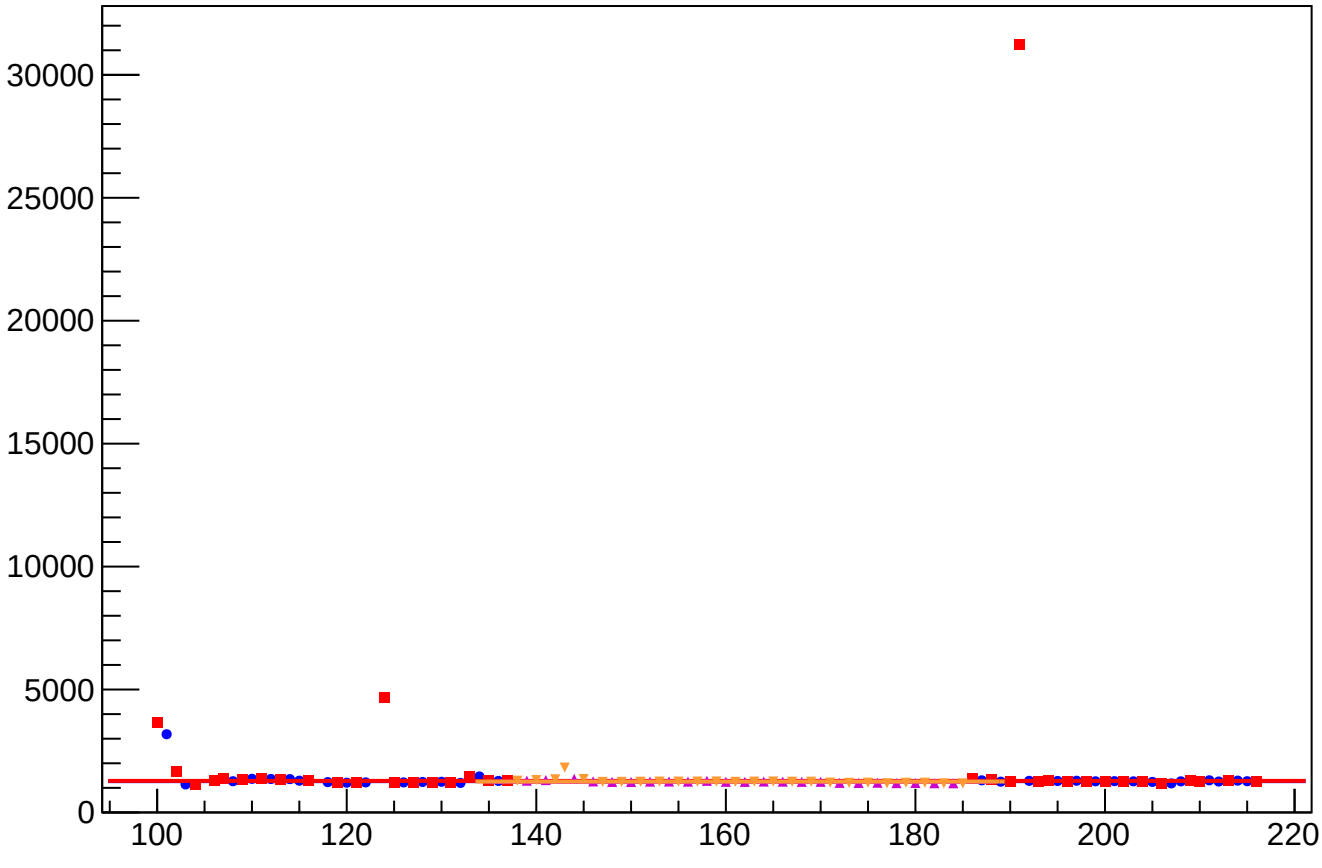
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -178.119+/-206.964 χ^2/NDF: 48.9/65

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -260.666+/-204.765 χ^2/NDF:62.4/59

All: -281.018+/-145.292 χ^2/NDF: 112.8/113



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: 1283.573+/-0.207 χ^2/NDF: 508006.4/34

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

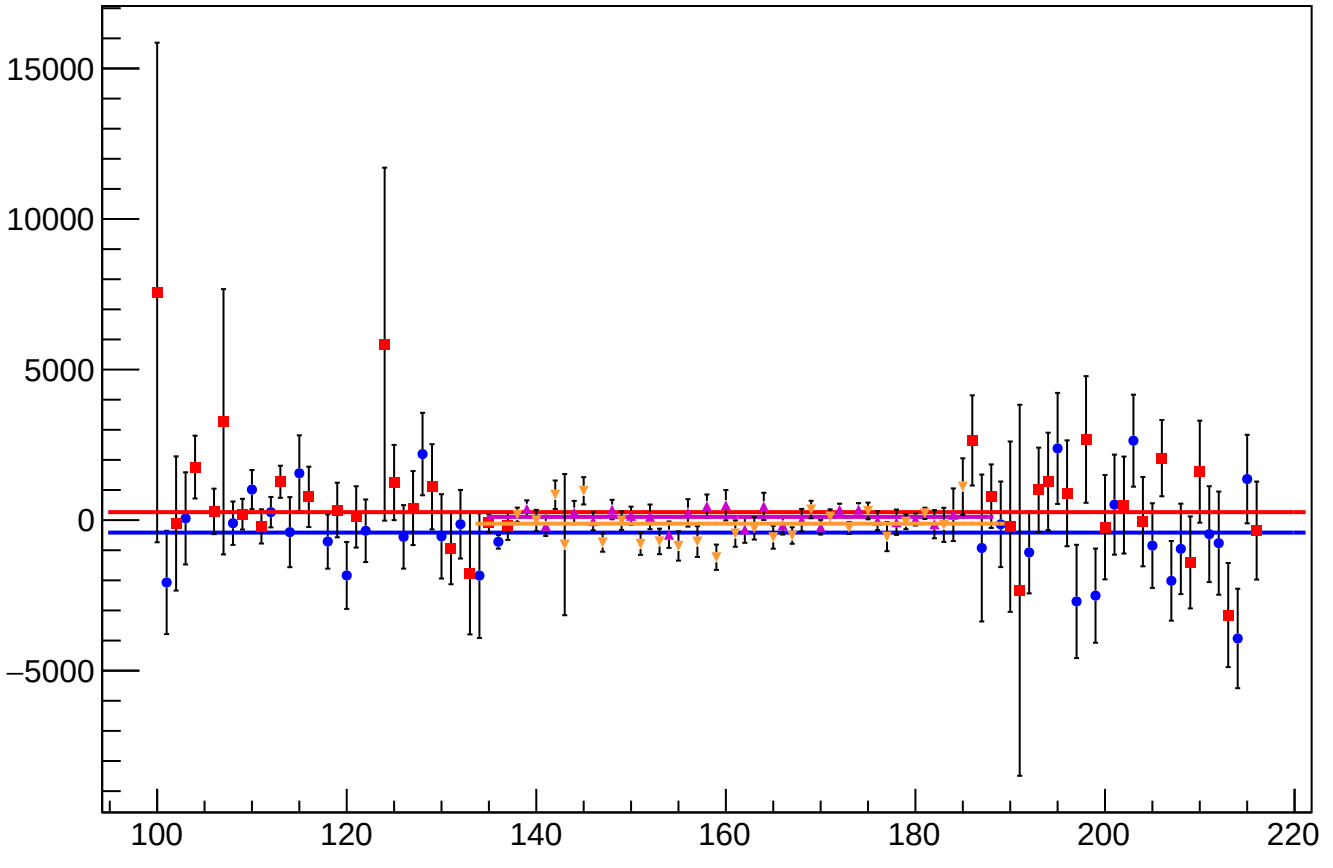
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.433+/-0.146 χ^2/NDF: 1043395.9/65

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.185+/-0.145 χ^2/NDF:720513.3/59

All: 1264.528+/-0.103 χ^2/NDF: 1305183.8/11



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: 265.254+/-156.022 χ^2/NDF: 27.3/34

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

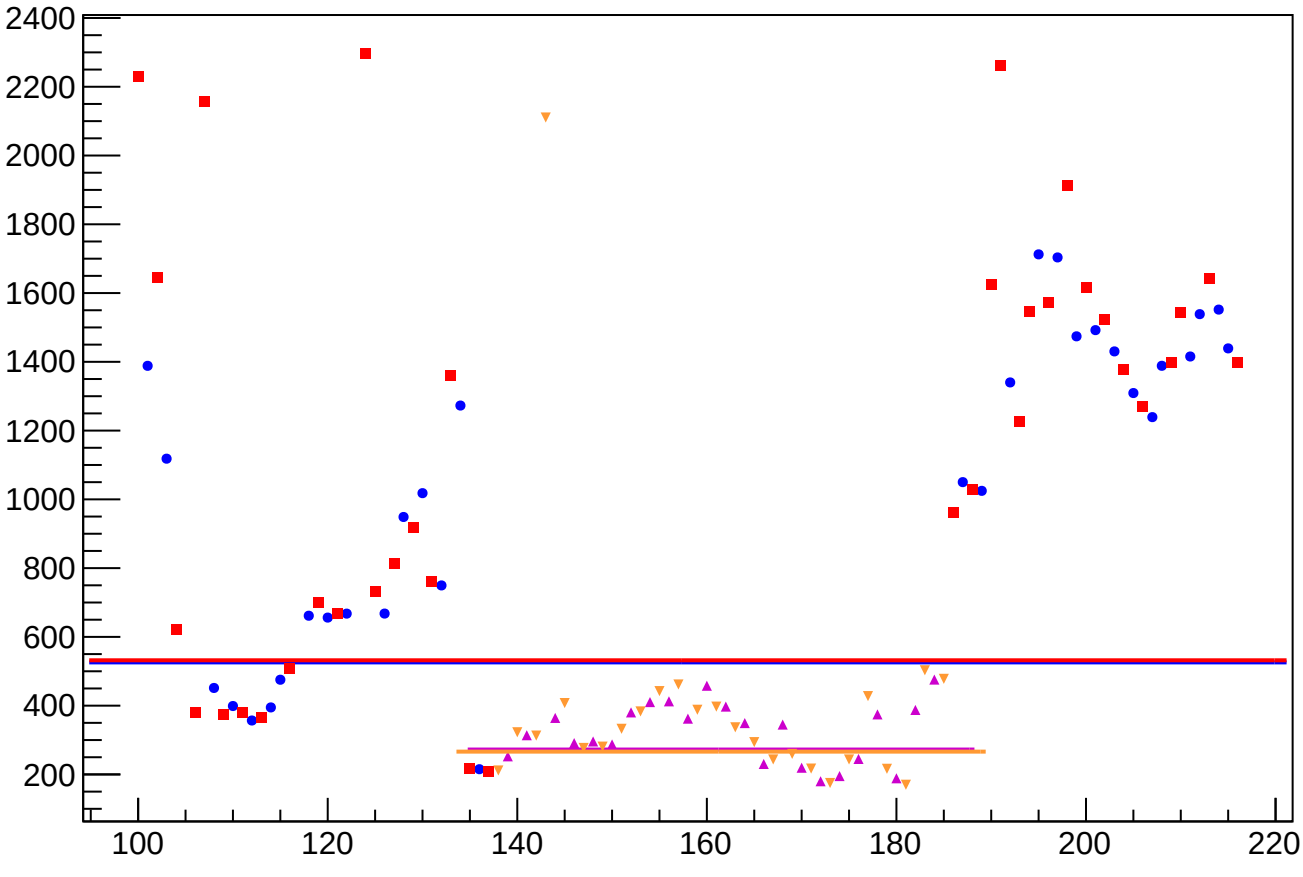
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -75.767+/-110.109 χ^2/NDF: 72.7/65

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -60.379+/-60.049 χ^2/NDF:80.9/59

All: -18.384+/-42.974 χ^2/NDF: 141.0/113



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: 531.958+/-0.110 χ^2/NDF: 15152273.7/34

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

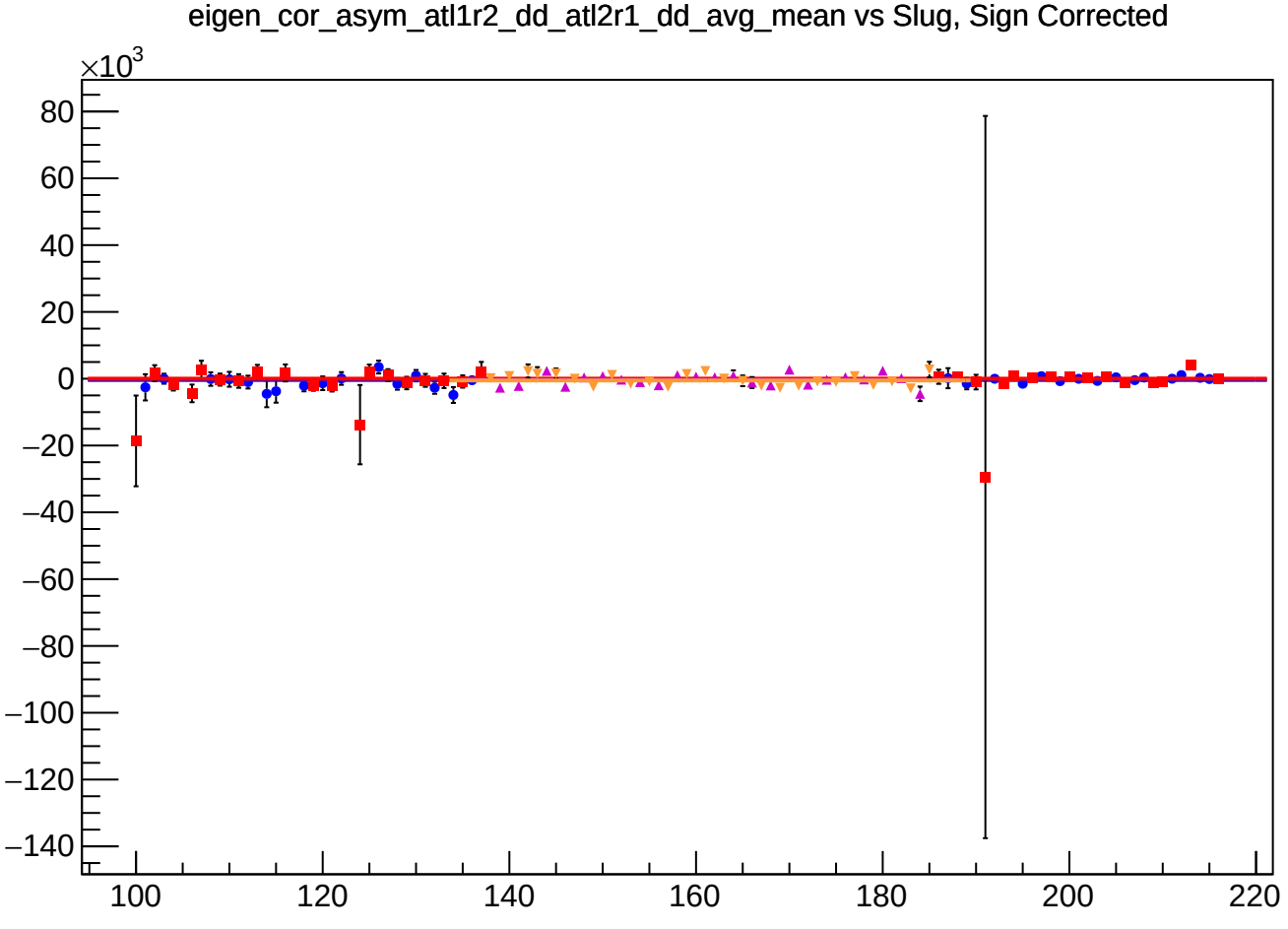
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 528.880+/-0.078 χ^2/NDF: 30424895.5/65

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 305.674+/-0.042 χ^2/NDF:24720932.3/59

All: 308.810+/-0.030 χ^2/NDF: 47376051.7/11



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: 6.429+/-293.359 χ^2/NDF: 29.8/34

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

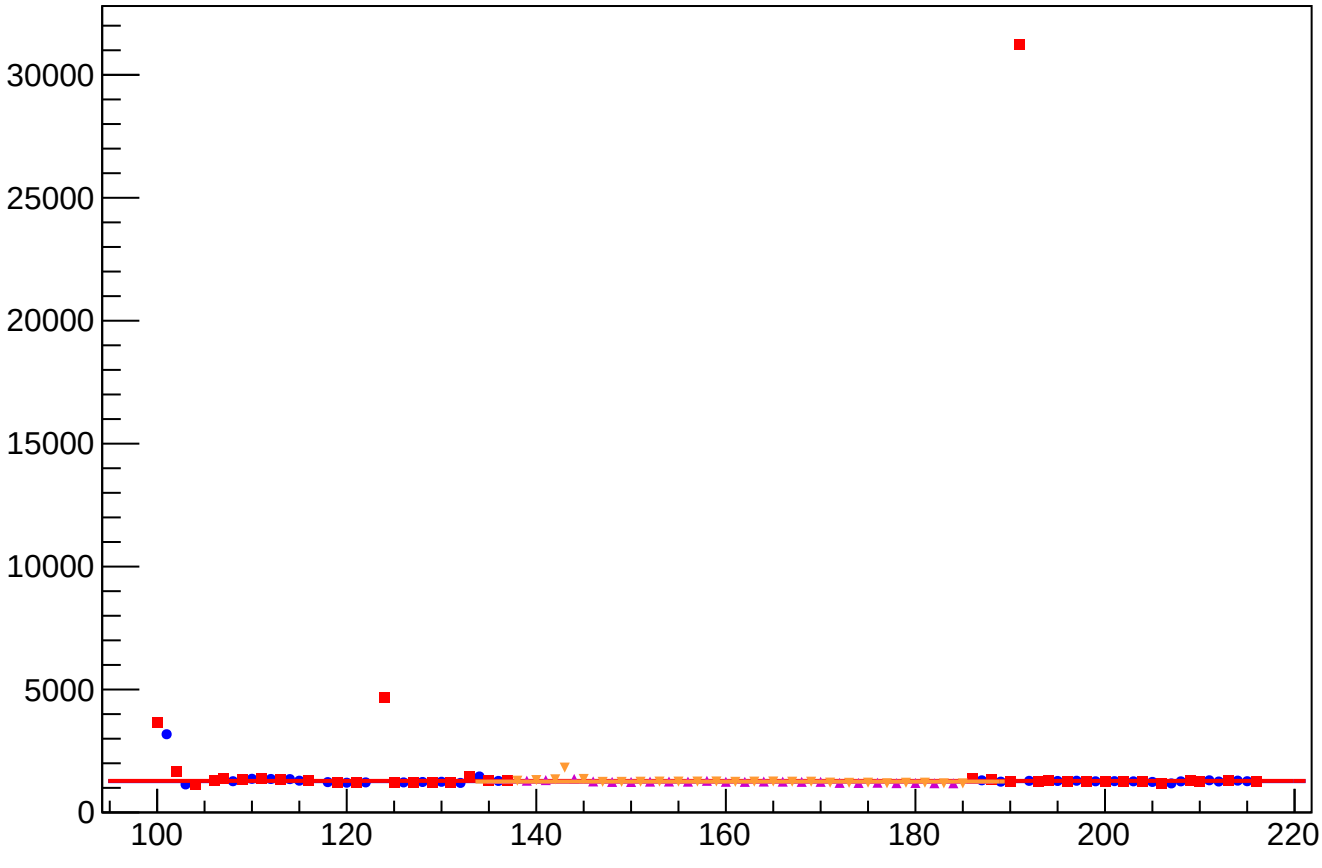
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -178.119+/-206.964 χ^2/NDF: 48.9/65

In: -301.654+/-206.189 χ^2/NDF:50.4/53

Out: -260.666+/-204.765 χ^2/NDF:62.4/59

All: -281.018+/-145.292 χ^2/NDF: 112.8/113



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: 1283.573+/-0.207 χ^2/NDF: 508006.4/34

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

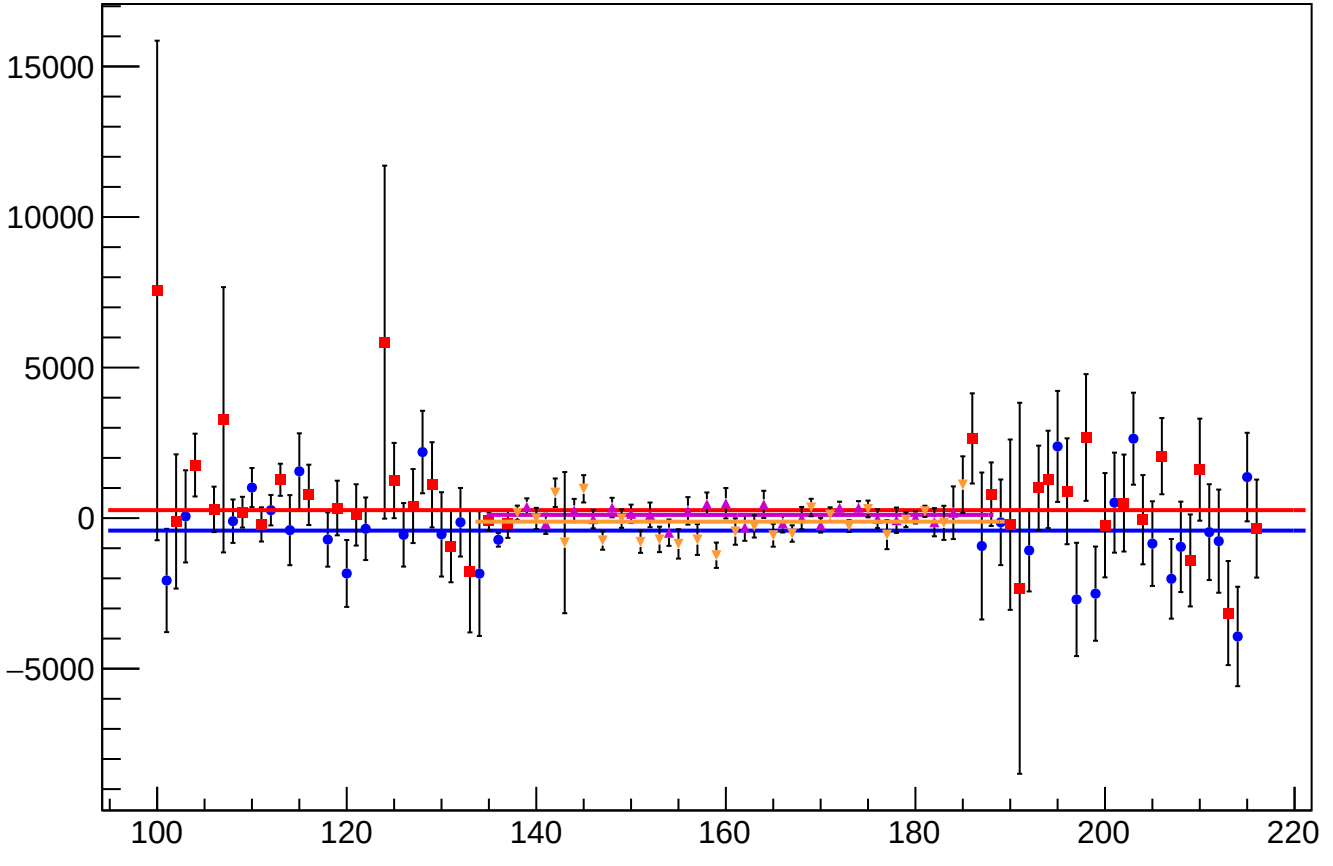
Right: 1278.433+/-0.146 χ^2/NDF: 1043395.9/65

In: 1259.807+/-0.146 χ^2/NDF:582587.6/53

Out: 1269.185+/-0.145 χ^2/NDF:720513.3/59

All: 1264.528+/-0.103 χ^2/NDF: 1305183.8/11

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: 265.254+/-156.022 χ^2/NDF: 27.3/34

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

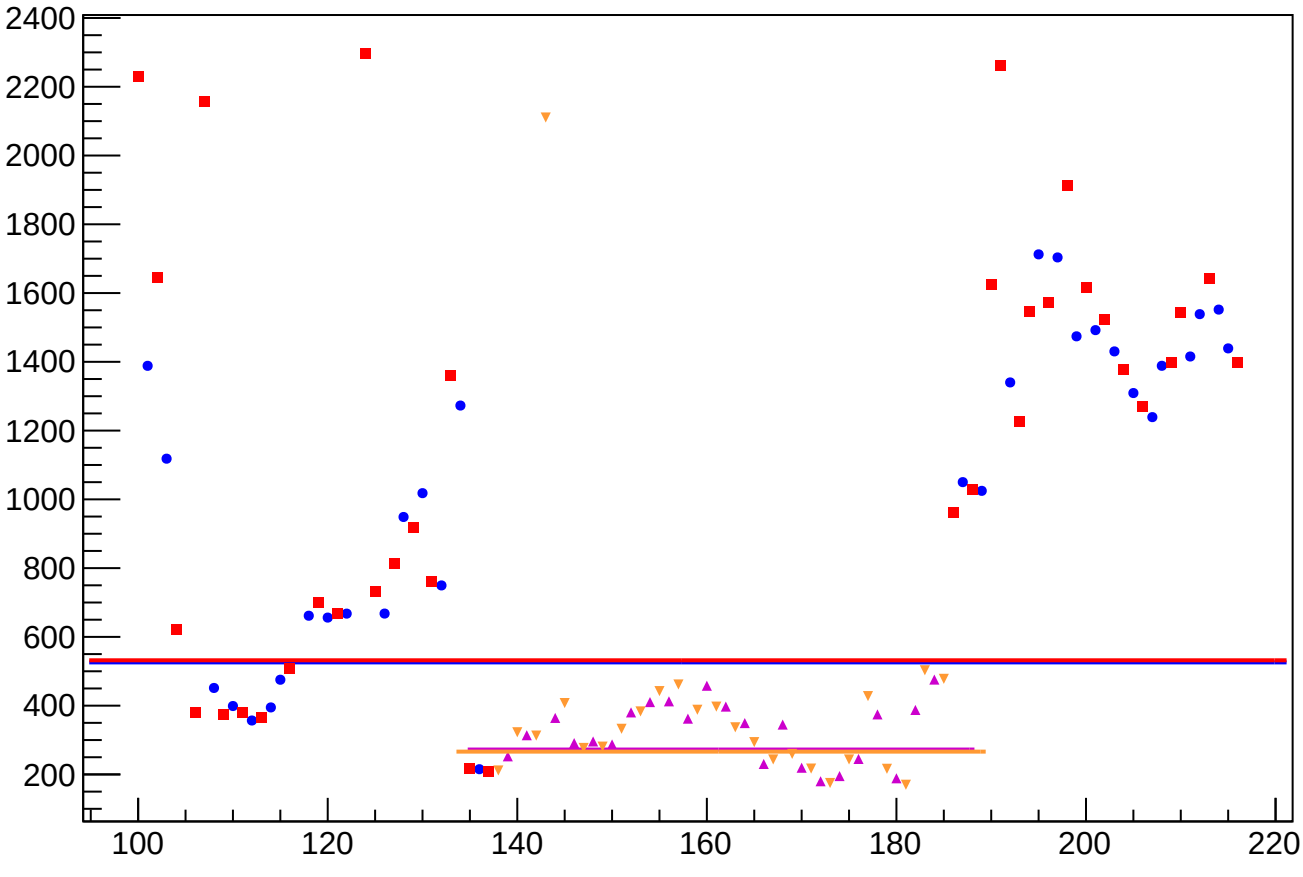
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -75.767+/-110.109 χ^2/NDF: 72.7/65

In: 25.707+/-61.528 χ^2/NDF:59.1/53

Out: -60.379+/-60.049 χ^2/NDF:80.9/59

All: -18.384+/-42.974 χ^2/NDF: 141.0/113



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: 531.958+/-0.110 χ^2/NDF: 15152273.7/34

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

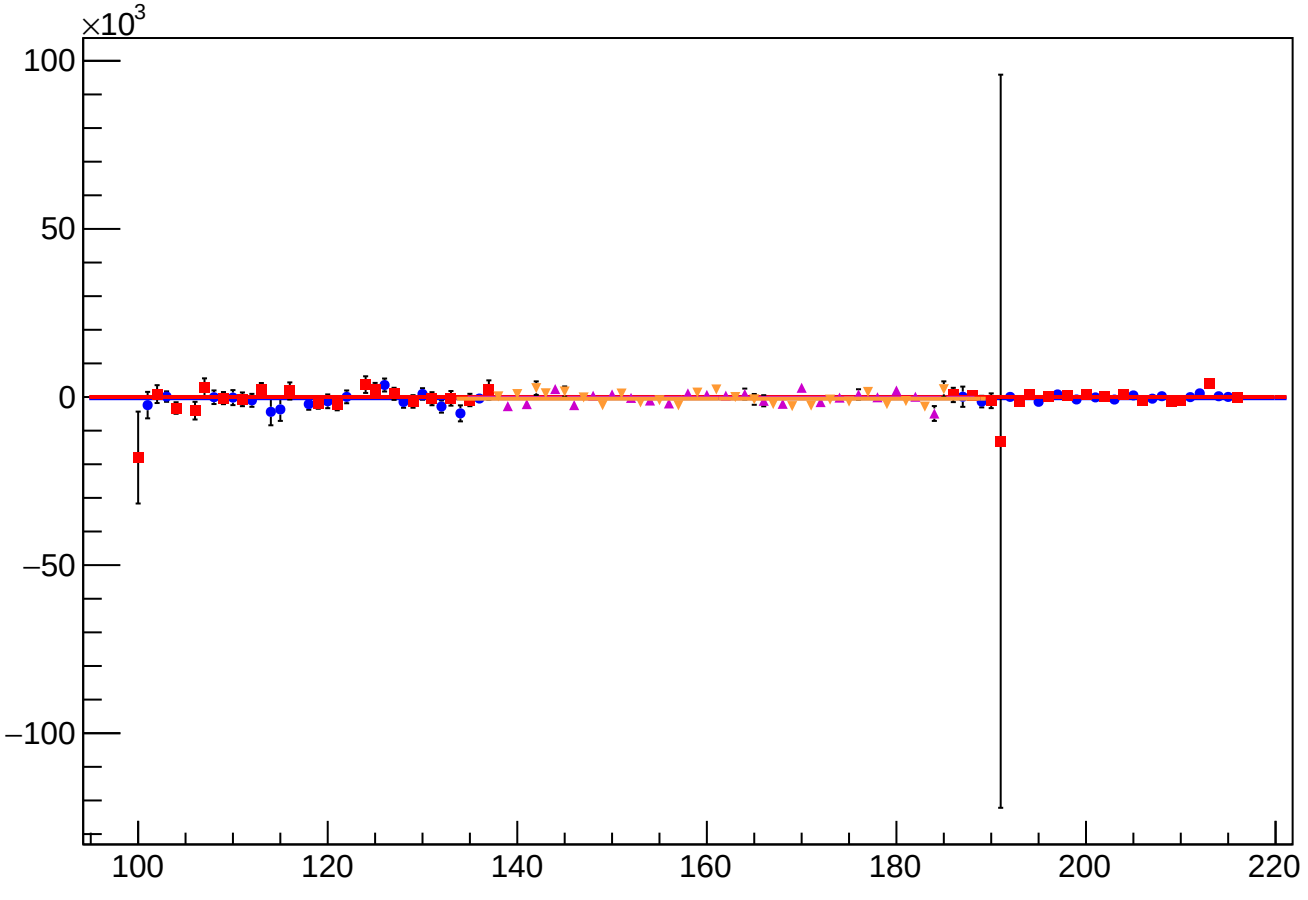
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 528.880+/-0.078 χ^2/NDF: 30424895.5/65

In: 312.102+/-0.044 χ^2/NDF:22643940.0/53

Out: 305.674+/-0.042 χ^2/NDF:24720932.3/59

All: 308.810+/-0.030 χ^2/NDF: 47376051.7/11



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: 11.619+/-292.872 χ^2/NDF: 31.8/34

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

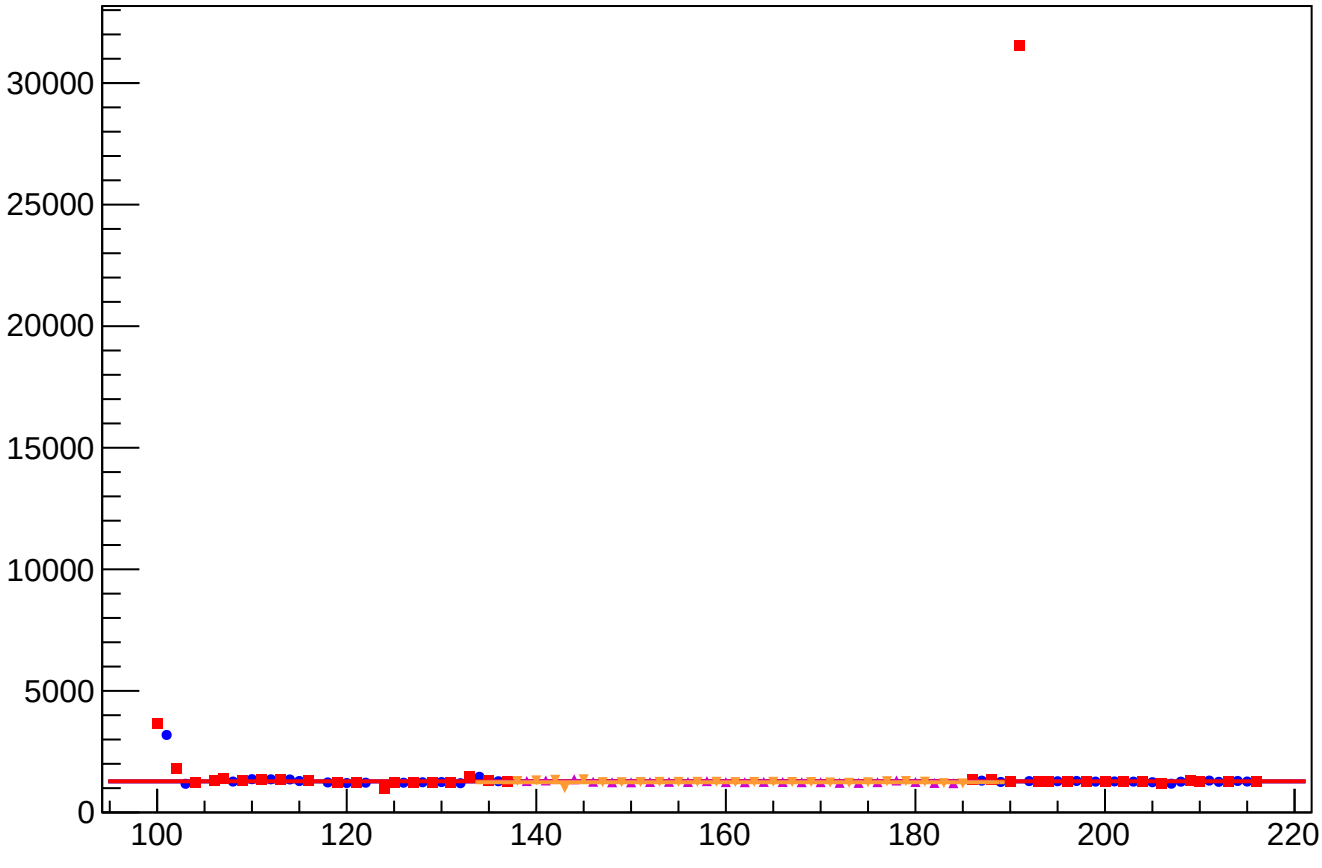
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -170.413+/-207.068 χ^2/NDF: 50.8/65

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -249.801+/-203.413 χ^2/NDF:67.6/59

All: -273.152+/-145.287 χ^2/NDF: 116.5/113



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: 1281.503+/-0.207 χ^2/NDF: 388326.1/34

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

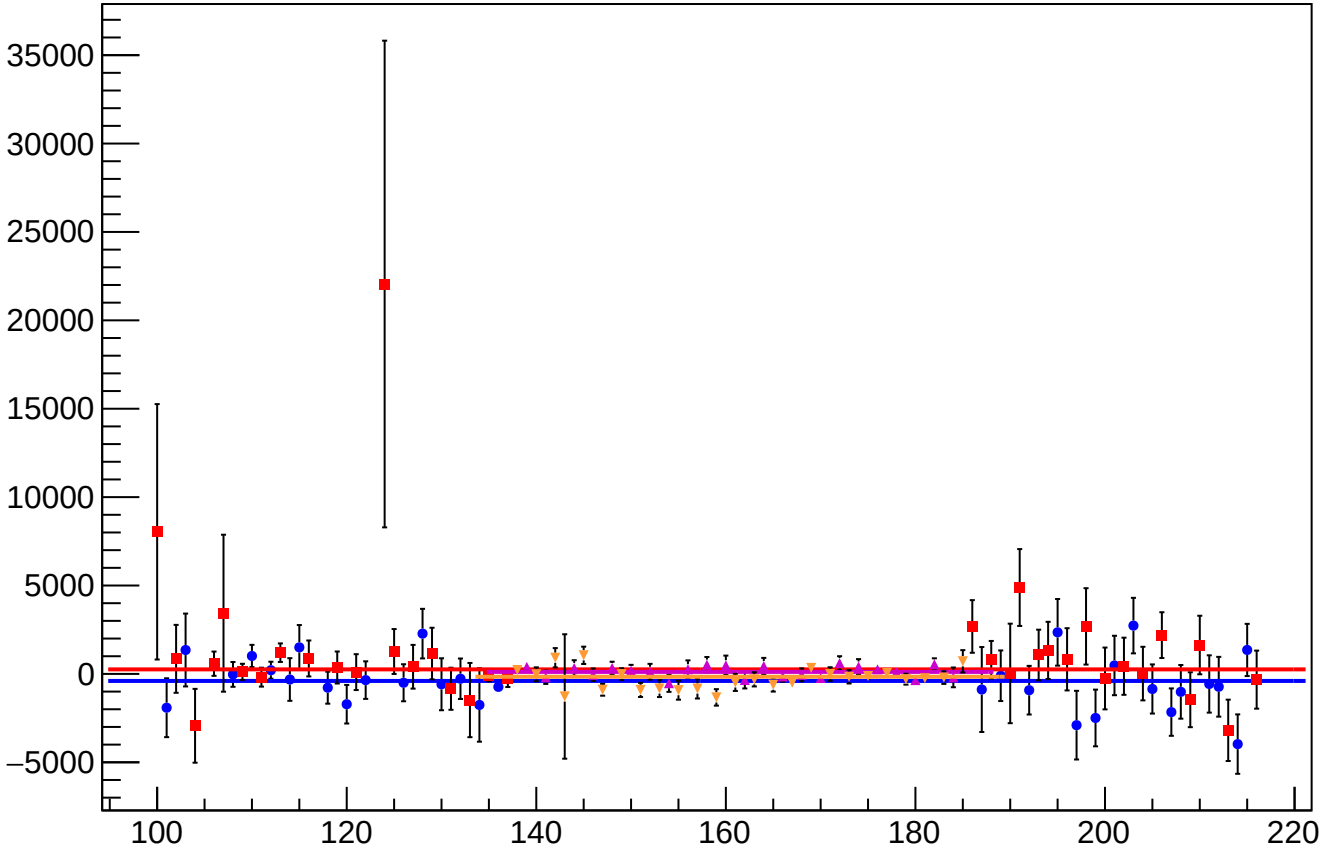
Right: 1279.153+/-0.146 χ^2/NDF: 915353.2/65

In: 1268.492+/-0.147 χ^2/NDF:557941.2/53

Out: 1261.335+/-0.144 χ^2/NDF:536672.3/59

All: 1264.841+/-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: 256.344+/-156.094 χ^2/NDF: 34.1/34

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

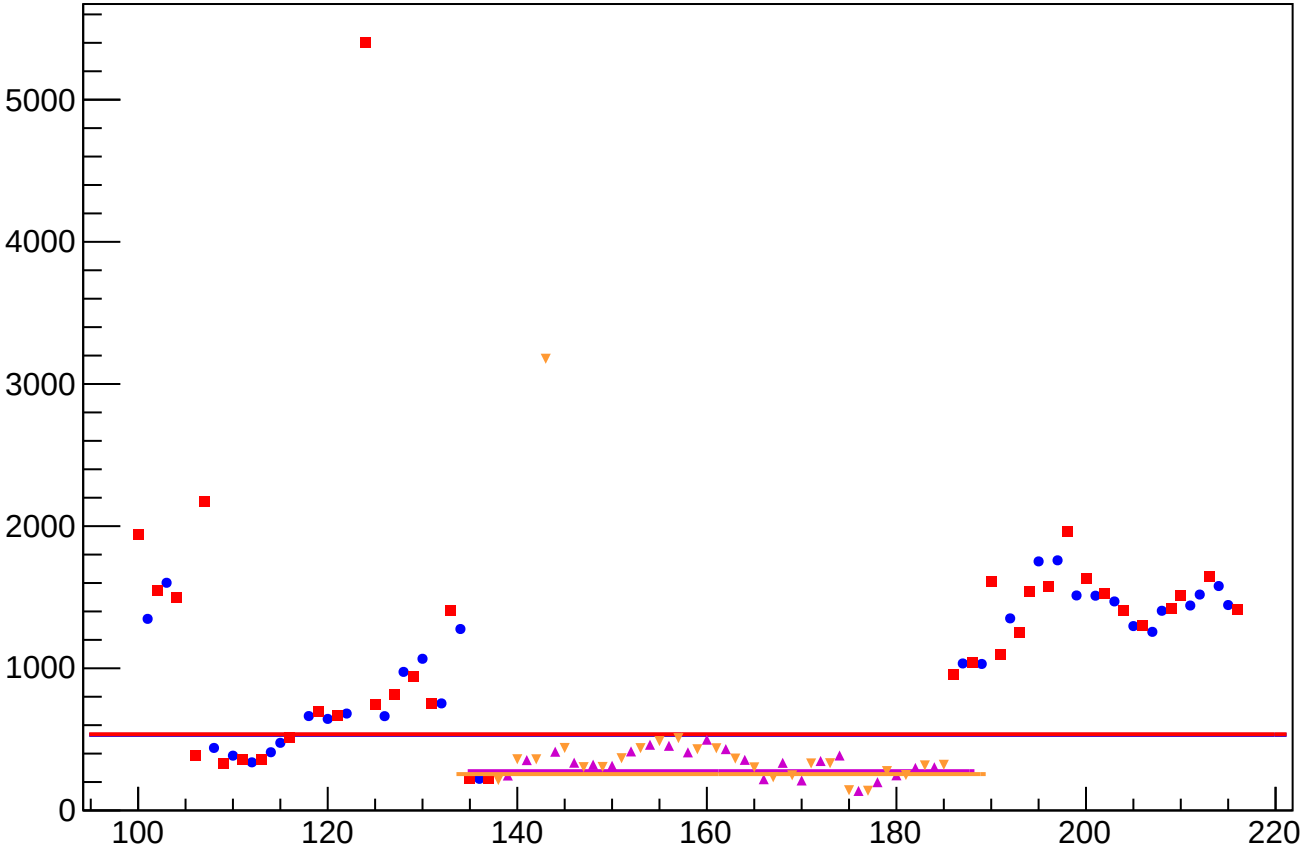
Right: -68.675+/-110.708 χ^2/NDF: 79.3/65

In: 31.295+/-63.049 χ^2/NDF:63.5/53

Out: -100.664+/-59.321 χ^2/NDF:84.0/59

All: -38.701+/-43.204 χ^2/NDF: 149.9/113

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: 535.953+/-0.110 χ^2/NDF: 15662903.2/34

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

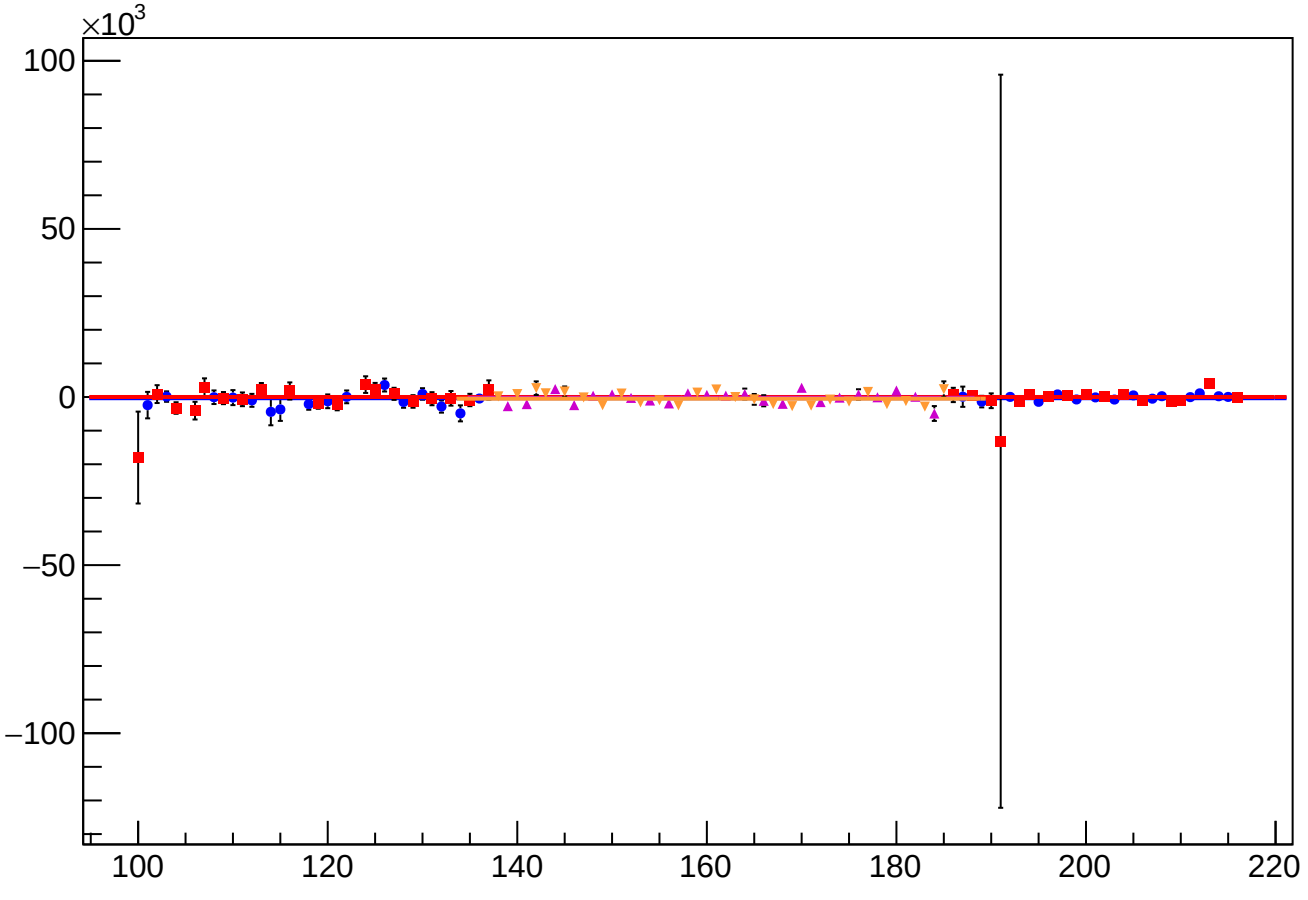
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 533.793+/-0.078 χ^2/NDF: 31071274.5/65

In: 317.452+/-0.045 χ^2/NDF:23869134.2/53

Out: 296.234+/-0.042 χ^2/NDF:27550051.3/59

All: 306.197+/-0.031 χ^2/NDF: 51539326.9/11



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: 11.619+/-292.872 χ^2/NDF: 31.8/34

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

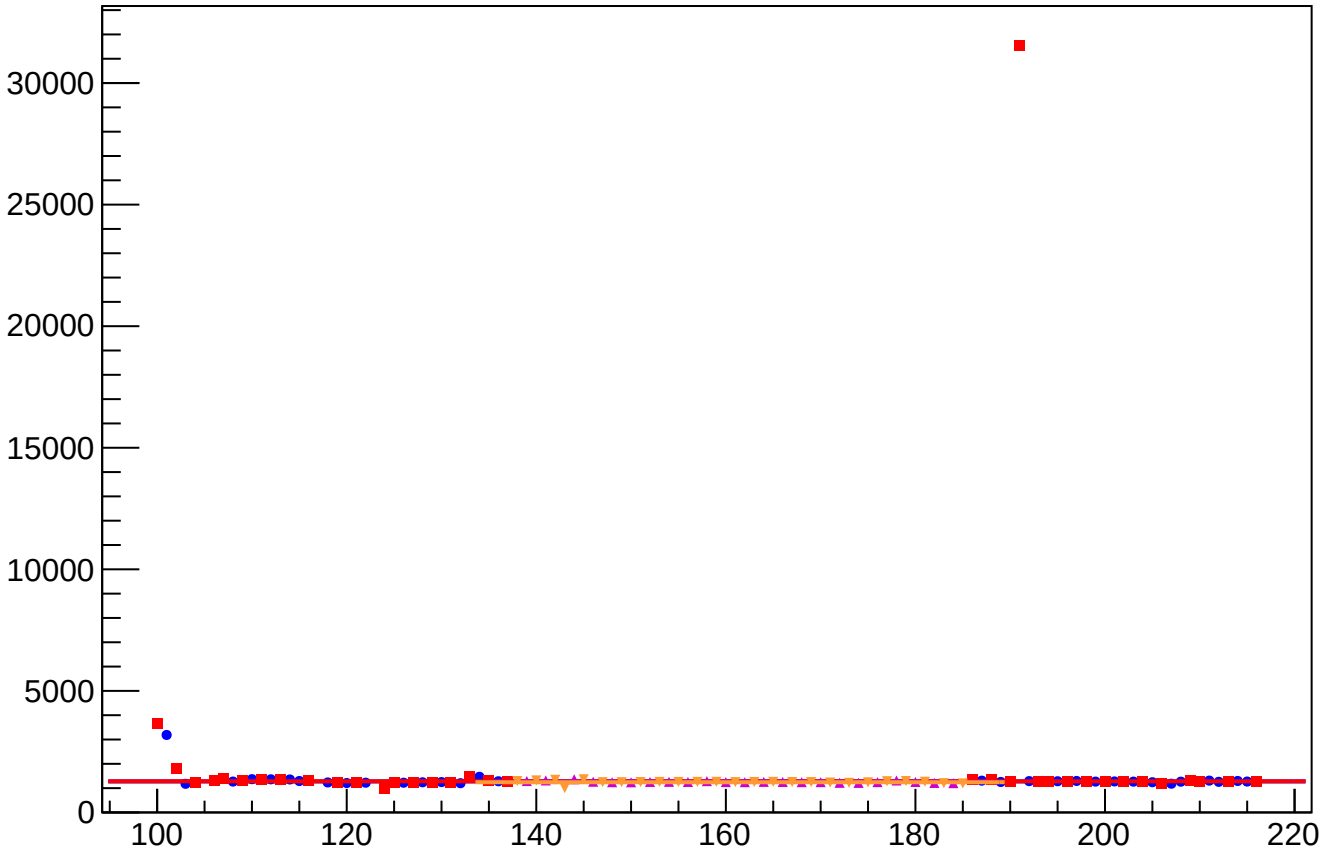
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -170.412+/-207.068 χ^2/NDF: 50.8/65

In: -297.471+/-207.585 χ^2/NDF:49.0/53

Out: -249.800+/-203.413 χ^2/NDF:67.6/59

All: -273.152+/-145.287 χ^2/NDF: 116.5/113



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: 1281.503+/-0.207 χ^2/NDF: 388326.4/34

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

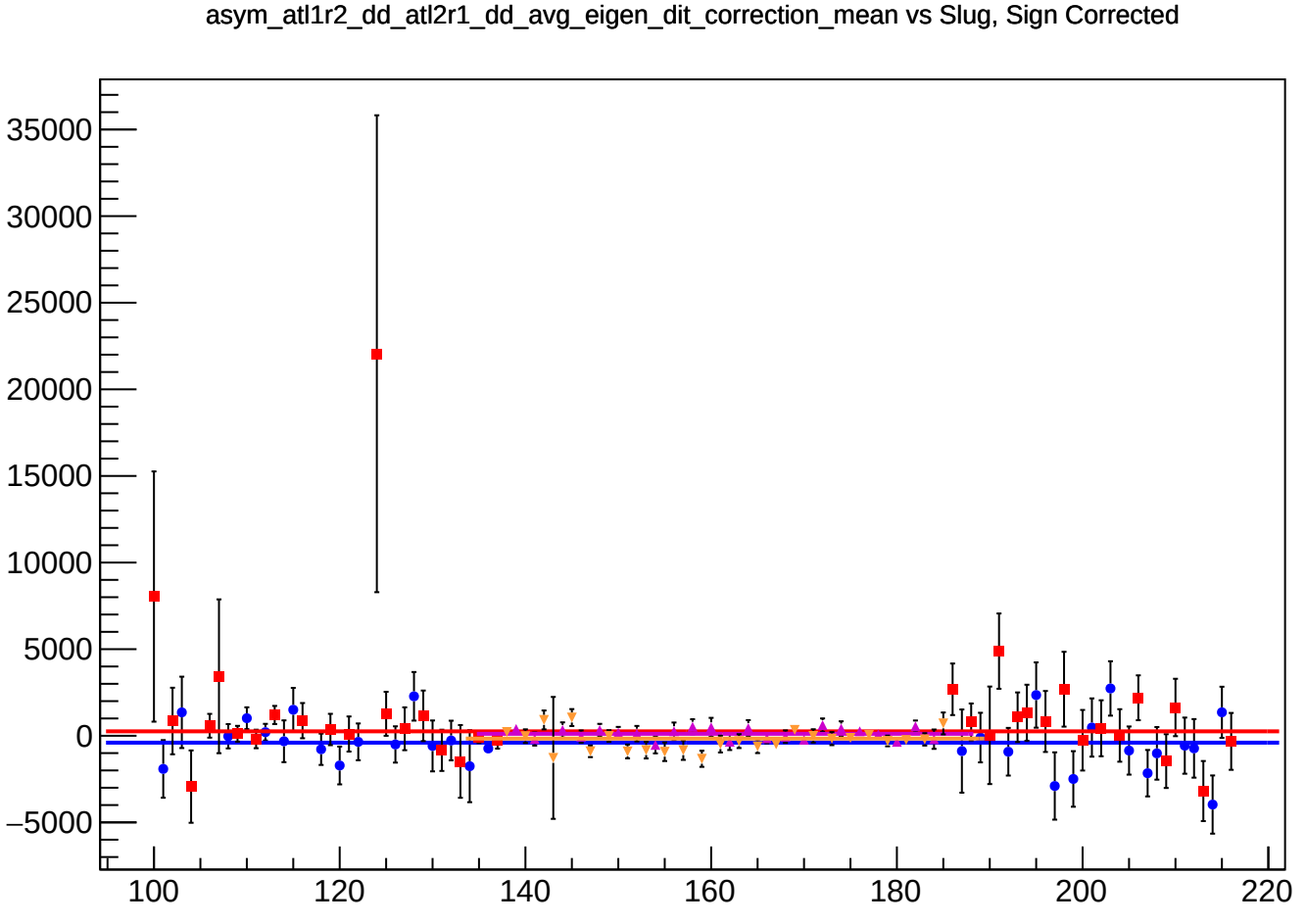
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1279.153+/-0.146 χ^2/NDF: 915353.5/65

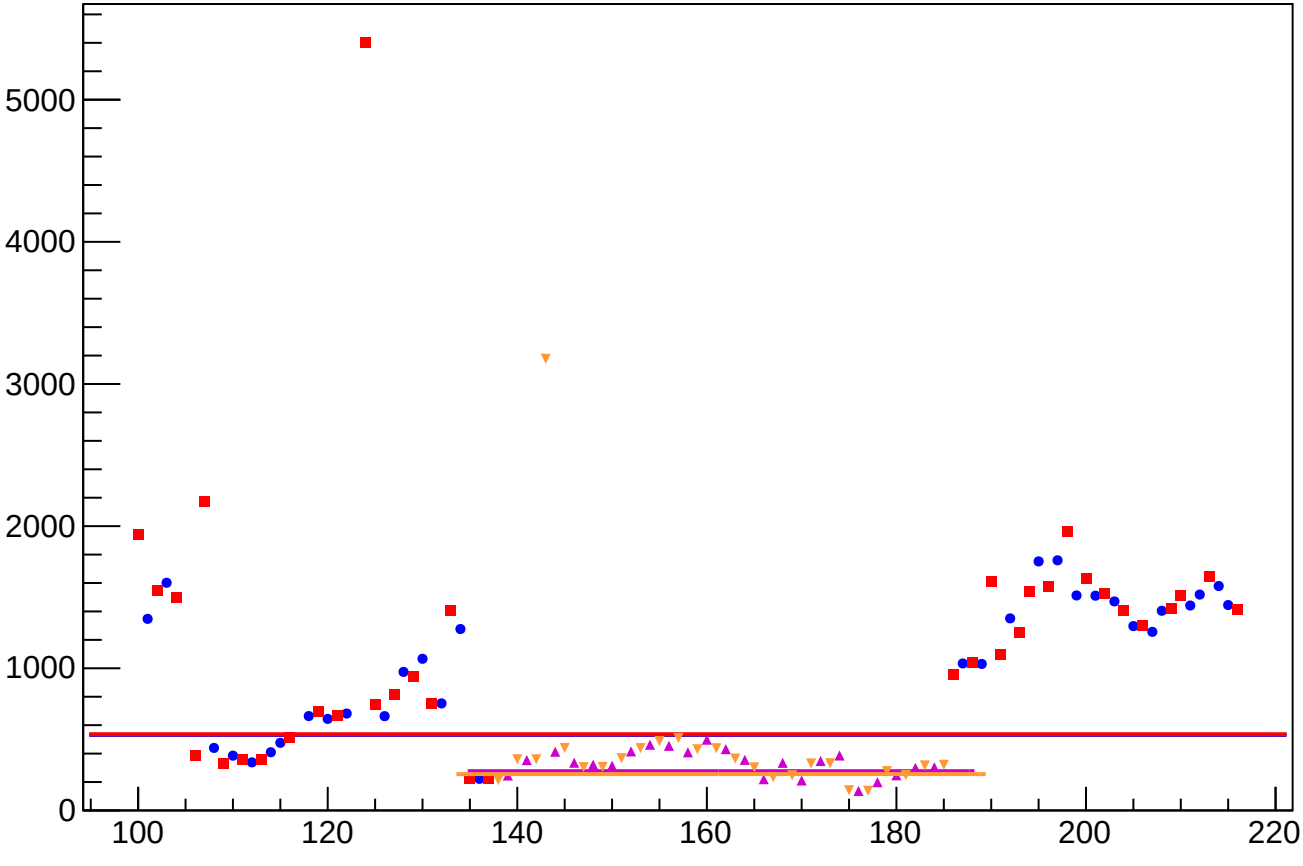
In: 1268.492+/-0.147 χ^2/NDF:557941.3/53

Out: 1261.335+/-0.144 χ^2/NDF:536671.7/59

All: 1264.841+/-0.103 χ^2/NDF: 1095825.9/11


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -397.643+/-157.041 χ²/NDF: 36.4/30
Left Out: -160.933+/-64.133 χ²/NDF:43.8/24
Right Out: 256.351+/-156.096 χ²/NDF: 34.1/34
Left In: 113.720+/-68.841 χ²/NDF:18.2/22
Left: -33.318+/-46.925 χ²/NDF: 70.5/47
Right: -68.671+/-110.709 χ²/NDF: 79.3/65
In: 31.295+/-63.049 χ²/NDF:63.5/53
Out: -100.667+/-59.321 χ²/NDF:84.0/59
All: -38.702+/-43.204 χ²/NDF: 149.9/113

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: 535.963+/-0.110 χ^2/NDF: 15662571.9/34

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

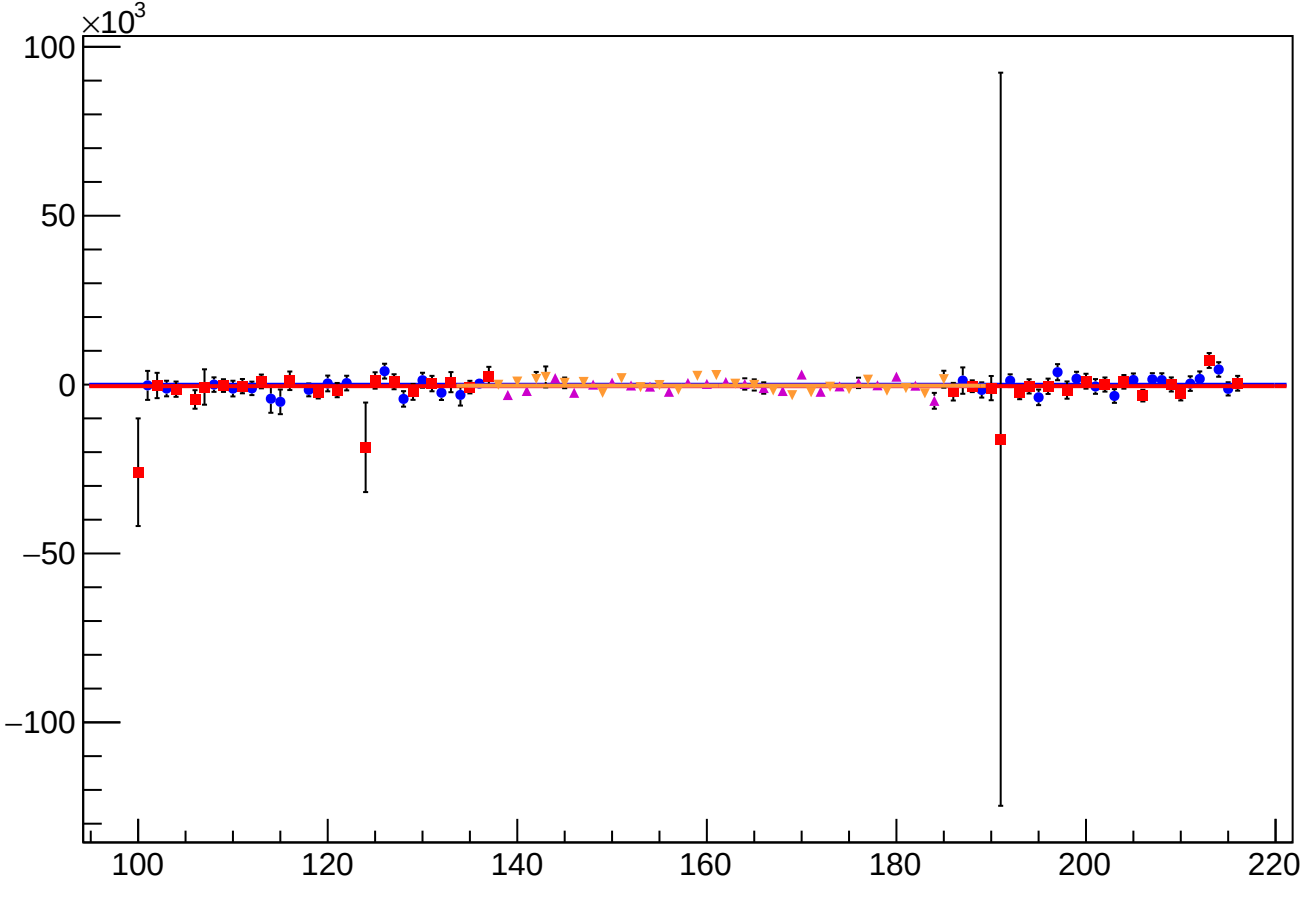
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 533.804+/-0.078 χ^2/NDF: 31070494.9/65

In: 317.453+/-0.045 χ^2/NDF:23868971.0/53

Out: 296.236+/-0.042 χ^2/NDF:27549849.7/59

All: 306.199+/-0.031 χ^2/NDF: 51538956.0/11



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: -467.927+/-397.010 χ^2/NDF: 29.3/34

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

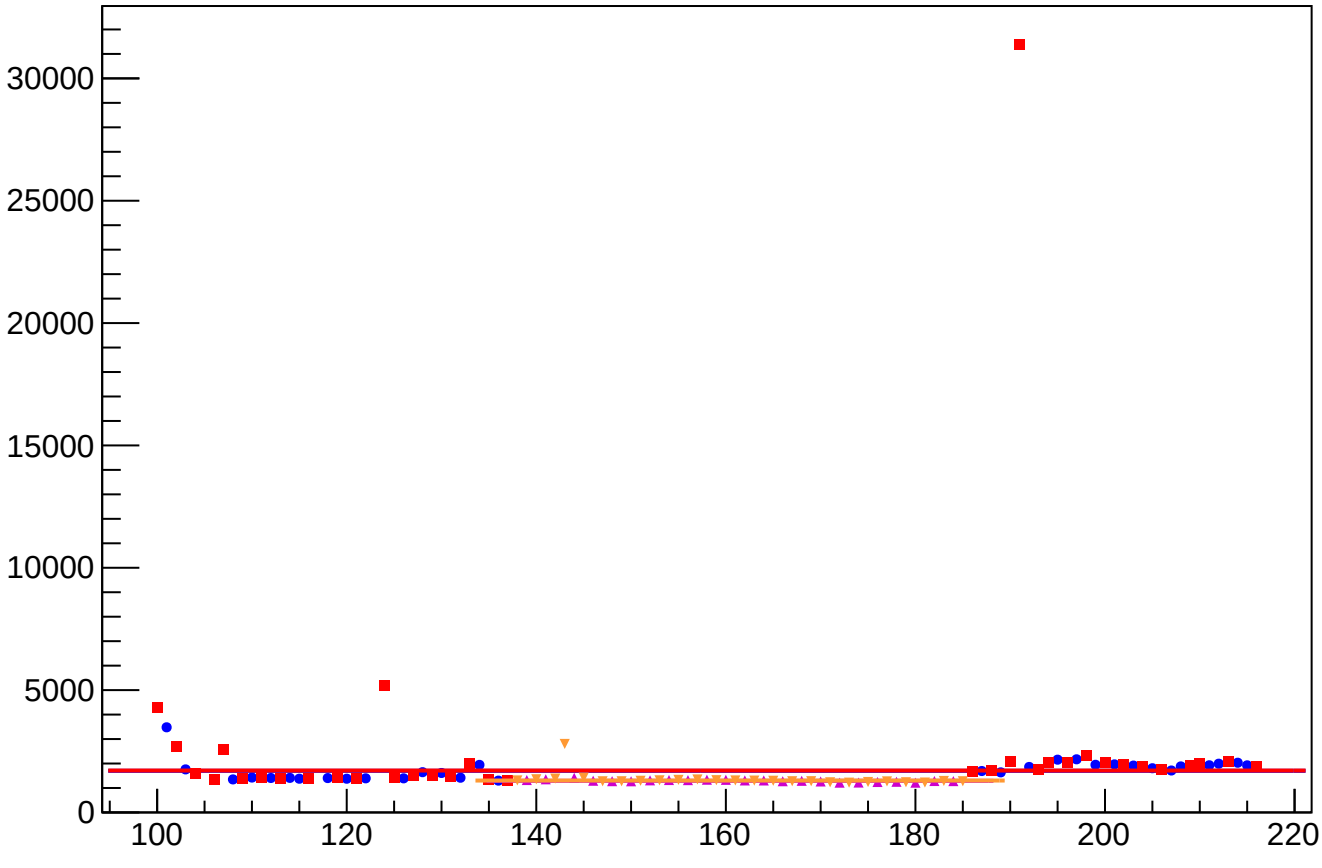
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -255.898+/-279.809 χ^2/NDF: 60.1/65

In: -241.950+/-239.735 χ^2/NDF:60.3/53

Out: -373.207+/-238.469 χ^2/NDF:61.0/59

All: -307.926+/-169.069 χ^2/NDF: 121.4/113



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: 1712.842+/-0.281 χ^2/NDF: 1518390.6/34

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

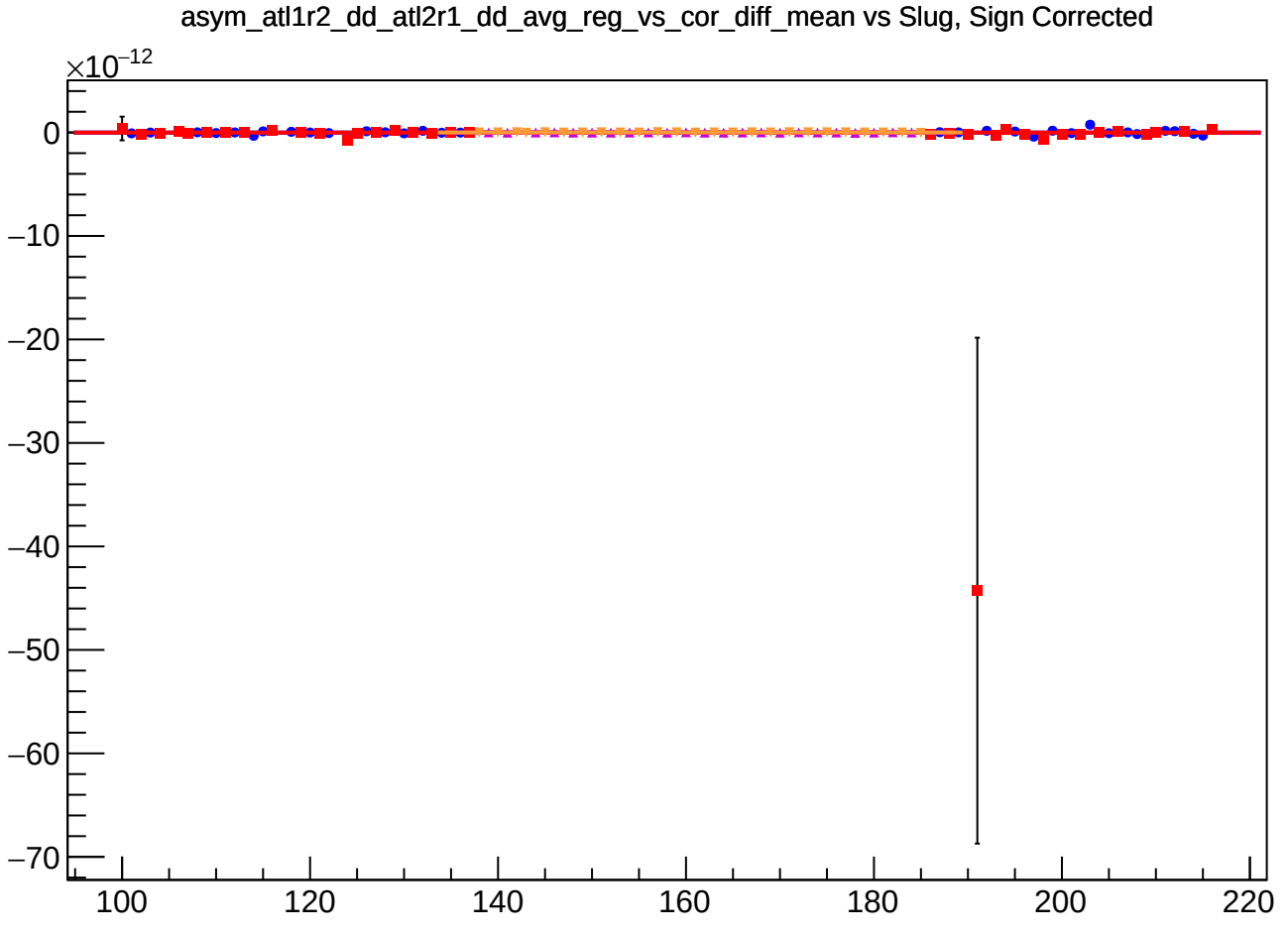
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1706.987+/-0.198 χ^2/NDF: 2799226.2/65

In: 1443.254+/-0.170 χ^2/NDF:2684952.3/53

Out: 1451.608+/-0.169 χ^2/NDF:3392713.2/59

All: 1447.453+/-0.120 χ^2/NDF: 6078886.2/11



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: 42.5/34

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

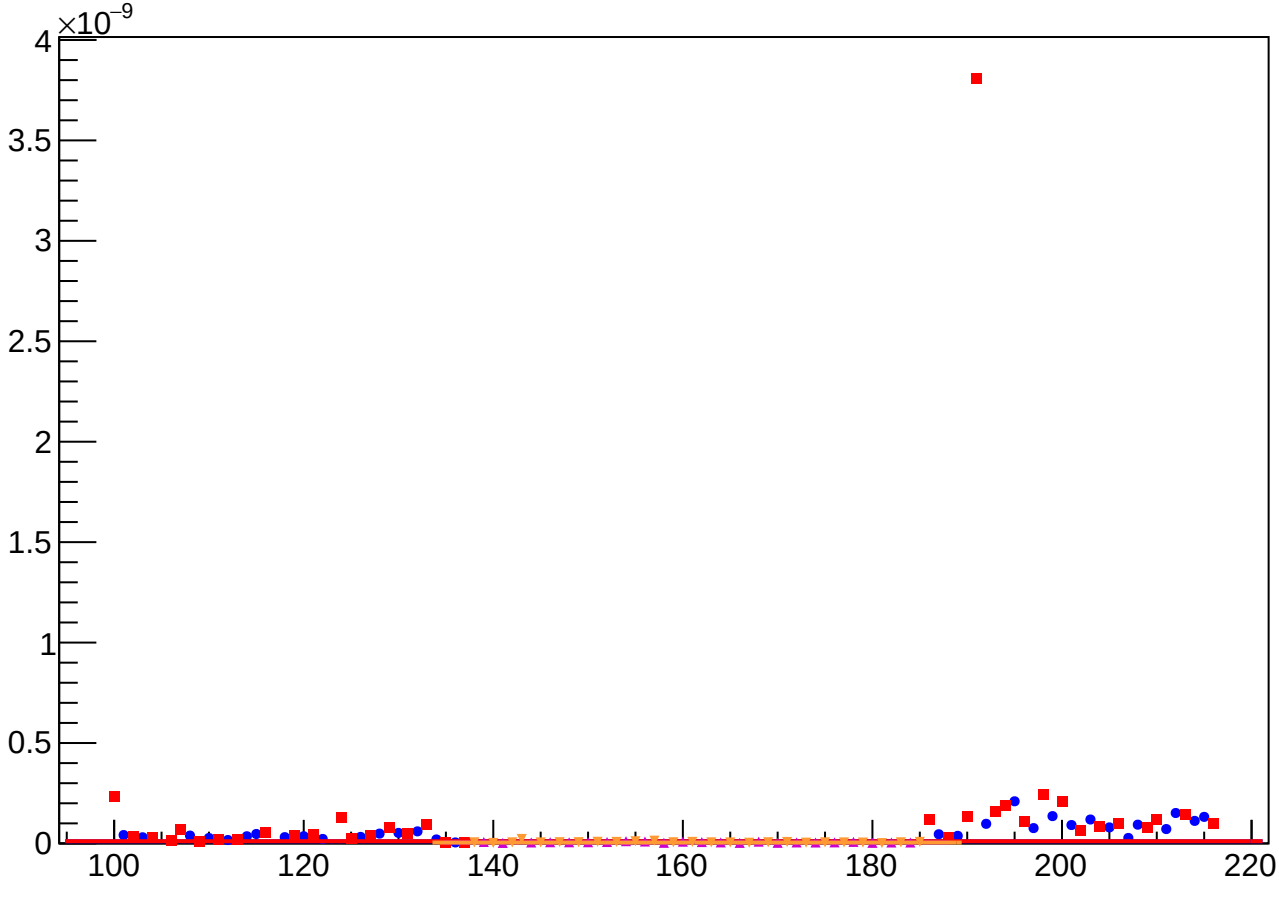
Right: -0.000+/-0.000 χ^2/NDF: 76.7/65

In: -0.000+/-0.000 χ^2/NDF:65.8/53

Out: -0.000+/-0.000 χ^2/NDF:69.5/59

All: -0.000+/-0.000 χ^2/NDF: 135.7/113

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: 11798540.9/34

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

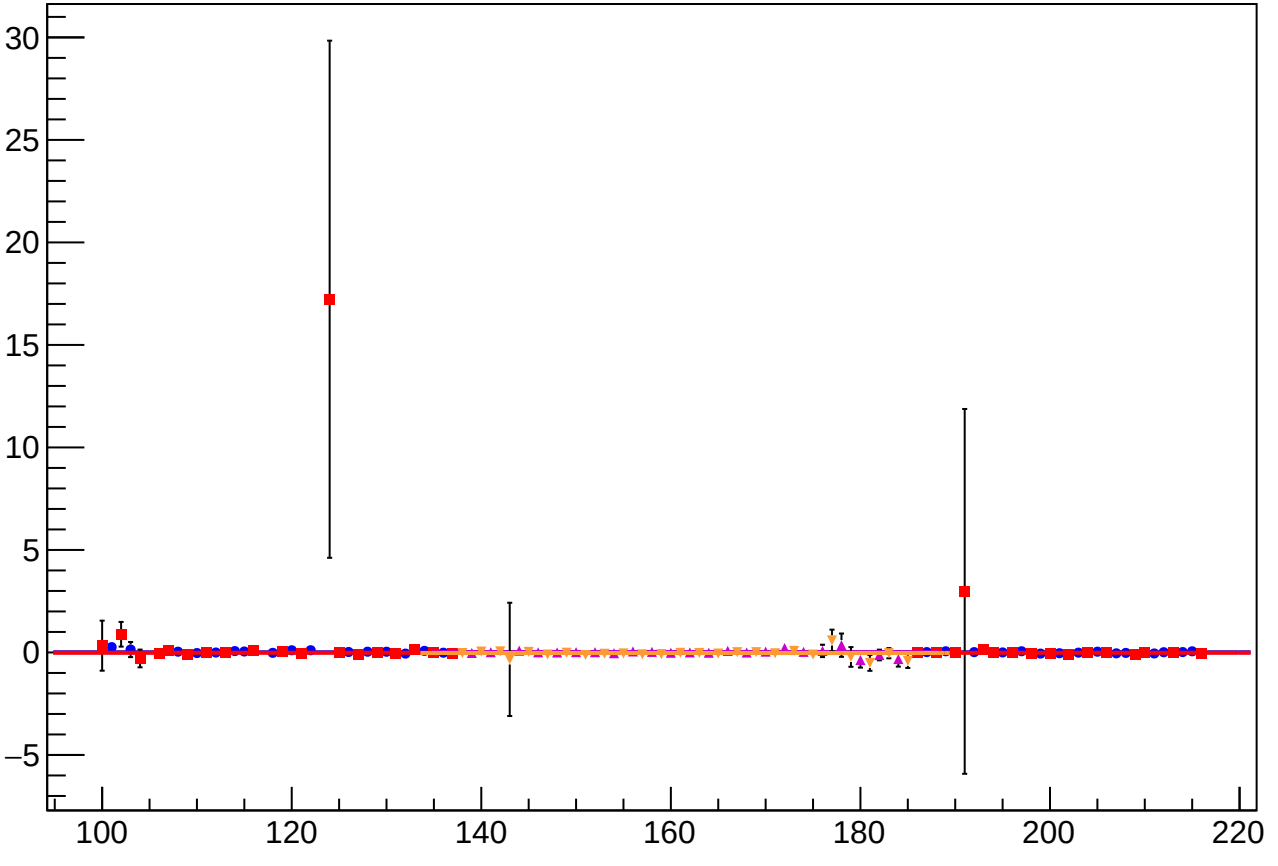
Right: 0.000+/-0.000 χ^2/NDF: 22023175.2/65

In: 0.000+/-0.000 χ^2/NDF:13293983.0/53

Out: 0.000+/-0.000 χ^2/NDF:15867825.6/59

All: 0.000+/-0.000 χ^2/NDF: 29193300.1/113

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: -0.014+/-0.011 χ^2/NDF: 27.0/34

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

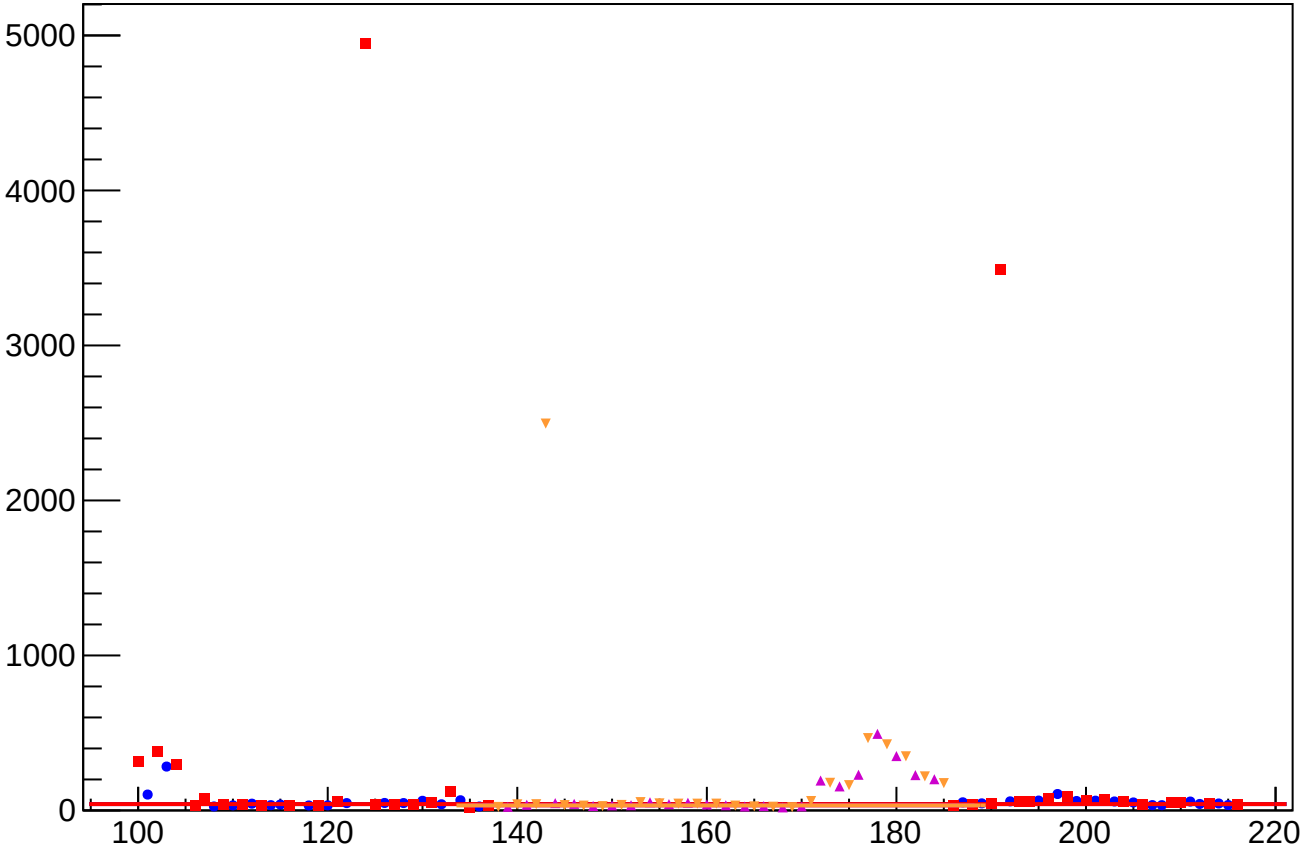
Right: -0.003+/-0.008 χ^2/NDF: 48.0/65

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/59

All: -0.006+/-0.005 χ^2/NDF: 97.9/113

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: 41.063+/-0.008 χ^2/NDF: 5538206.4/34

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

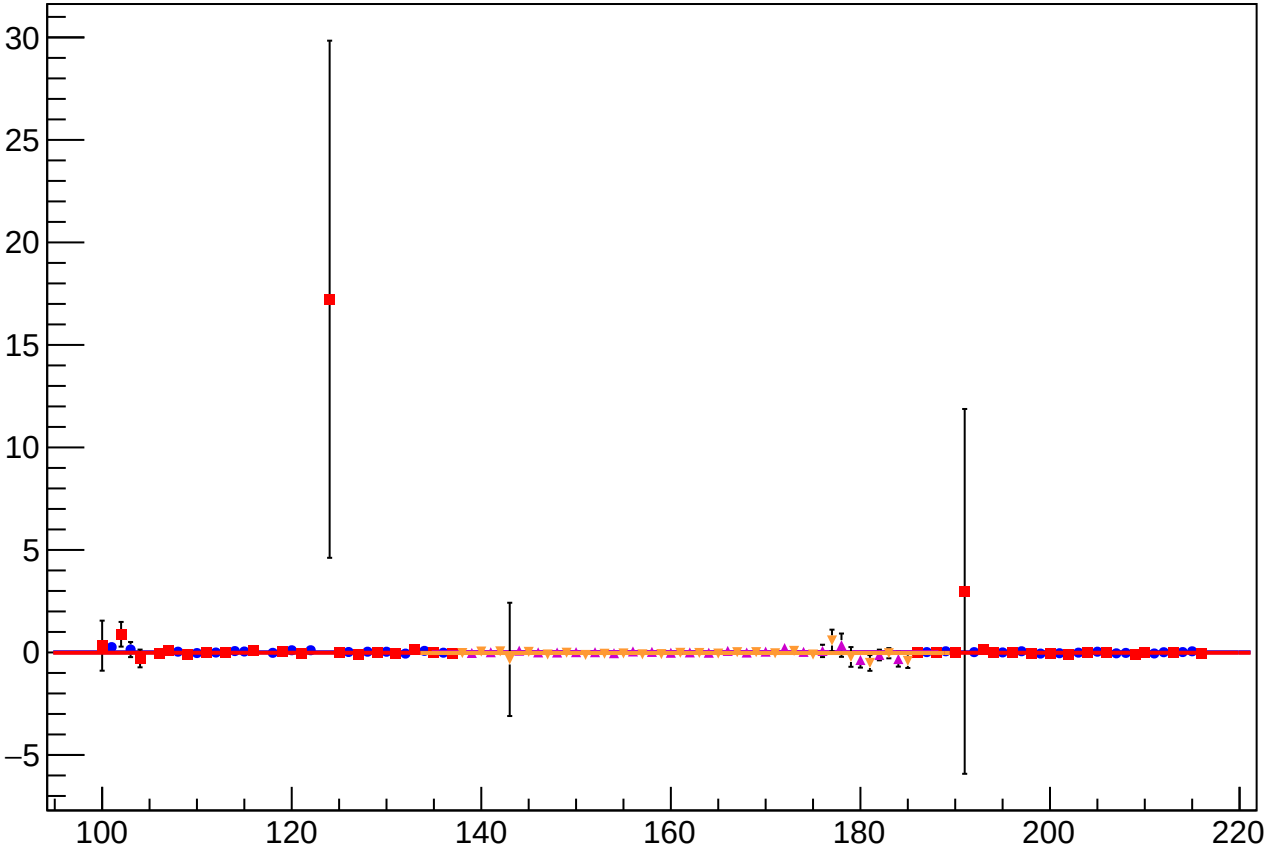
Right: 41.139+/-0.005 χ^2/NDF: 9853527.3/65

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.301+/-0.005 χ^2/NDF:17114937.2/59

All: 36.398+/-0.004 χ^2/NDF: 31099511.6/113

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: -0.014+/-0.011 χ^2/NDF: 27.0/34

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

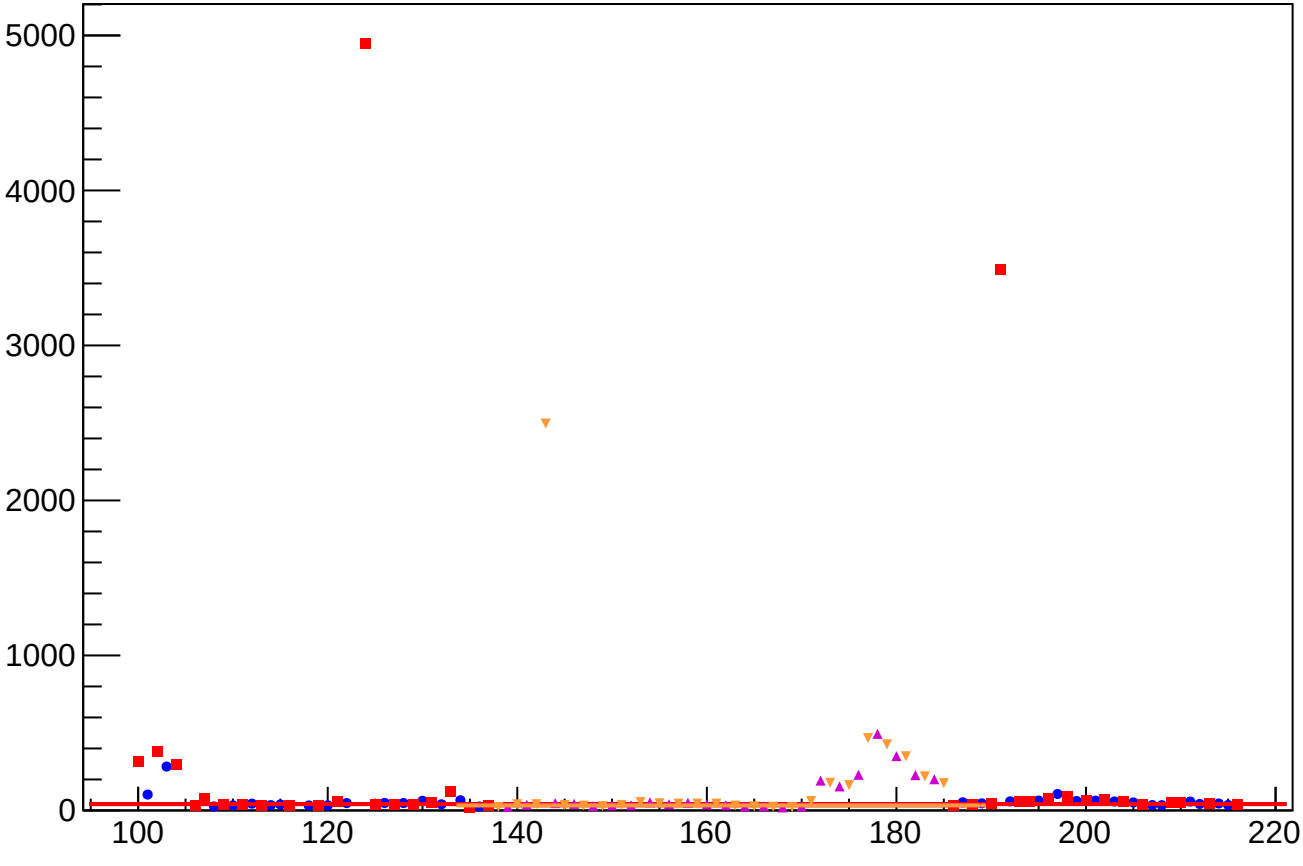
Right: -0.003+/-0.008 χ^2/NDF: 48.0/65

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/59

All: -0.006+/-0.005 χ^2/NDF: 97.9/113

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: 41.063+/-0.008 χ^2/NDF: 5538206.4/34

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

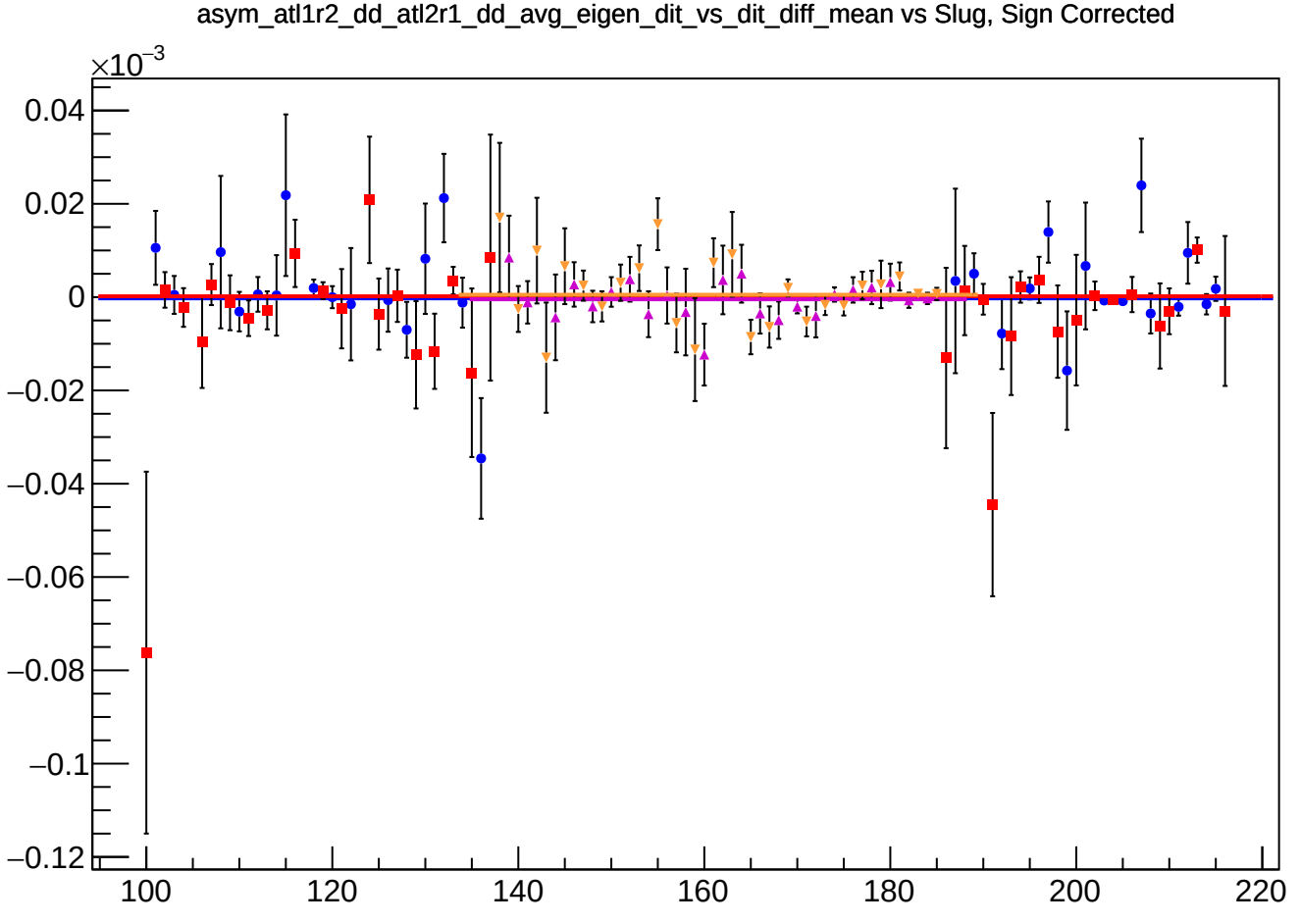
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.139+/-0.005 χ^2/NDF: 9853527.3/65

In: 36.494+/-0.005 χ^2/NDF:13983839.8/53

Out: 36.301+/-0.005 χ^2/NDF:17114937.2/59

All: 36.398+/-0.004 χ^2/NDF: 31099511.6/113



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: 40.9/34

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

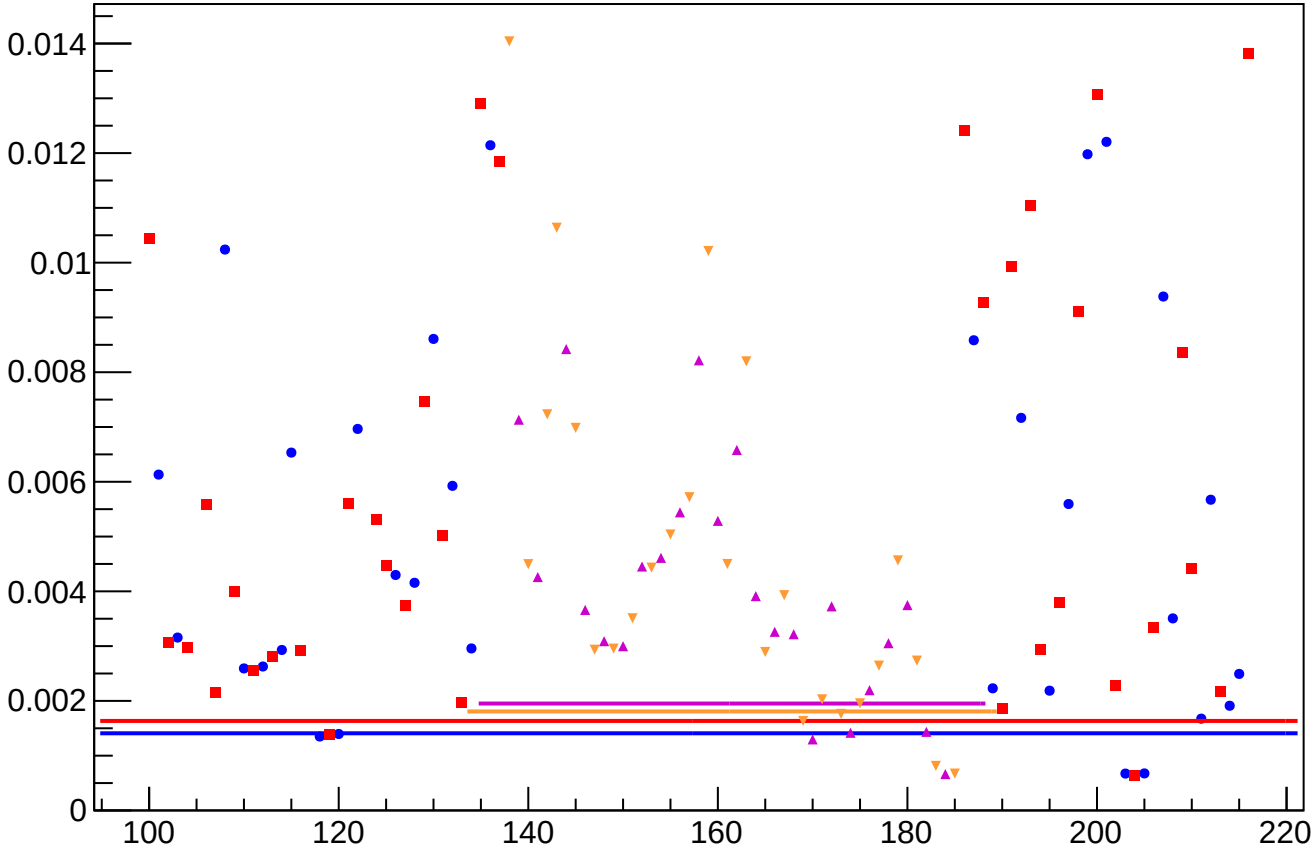
Right: -0.000+/-0.000 χ^2/NDF: 82.1/65

In: -0.000+/-0.000 χ^2/NDF:54.6/53

Out: 0.000+/-0.000 χ^2/NDF:76.8/59

All: -0.000+/-0.000 χ^2/NDF: 133.0/113

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: 18433235.9/34

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

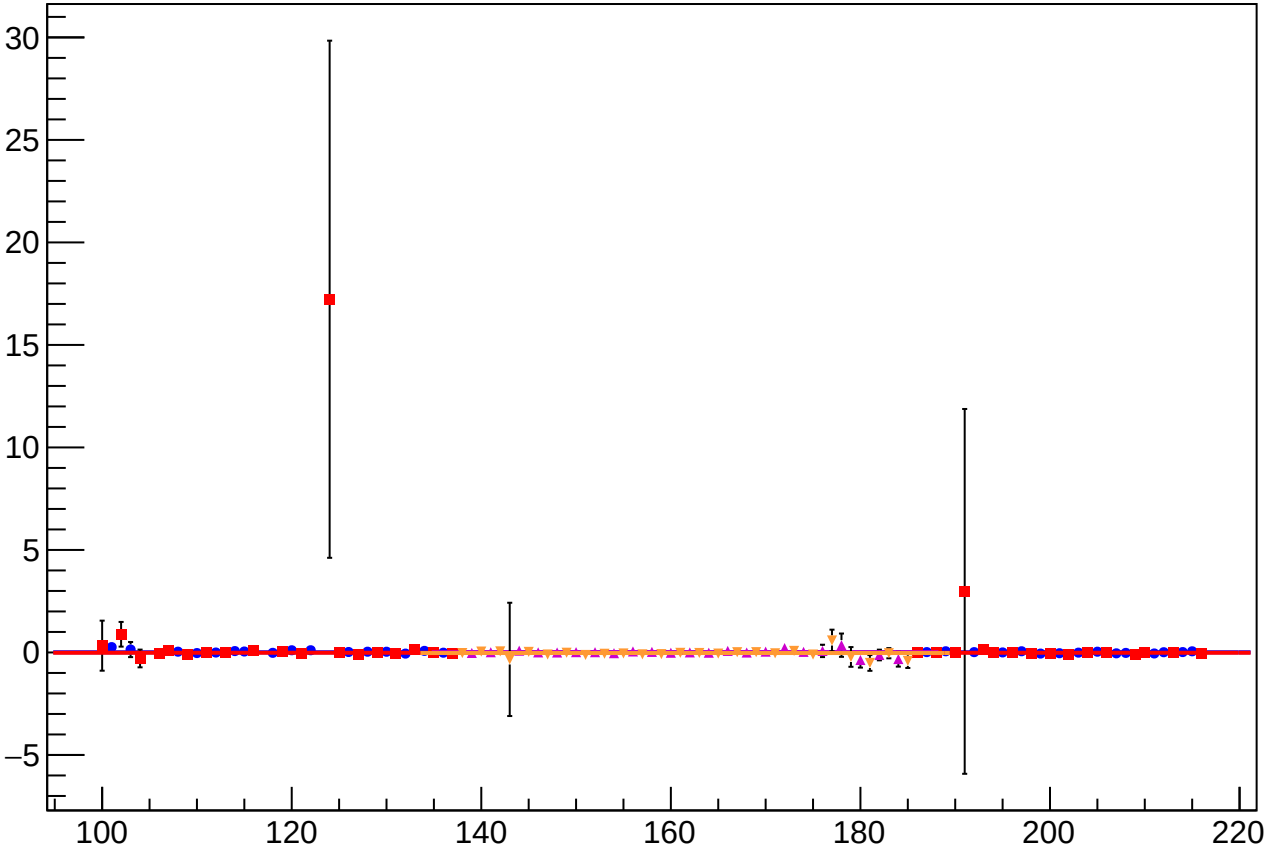
Right: 0.002+/-0.000 χ^2/NDF: 35930292.6/65

In: 0.002+/-0.000 χ^2/NDF:29815586.4/53

Out: 0.002+/-0.000 χ^2/NDF:33474983.7/59

All: 0.002+/-0.000 χ^2/NDF: 63359157.6/113

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: -0.014+/-0.011 χ^2/NDF: 27.0/34

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

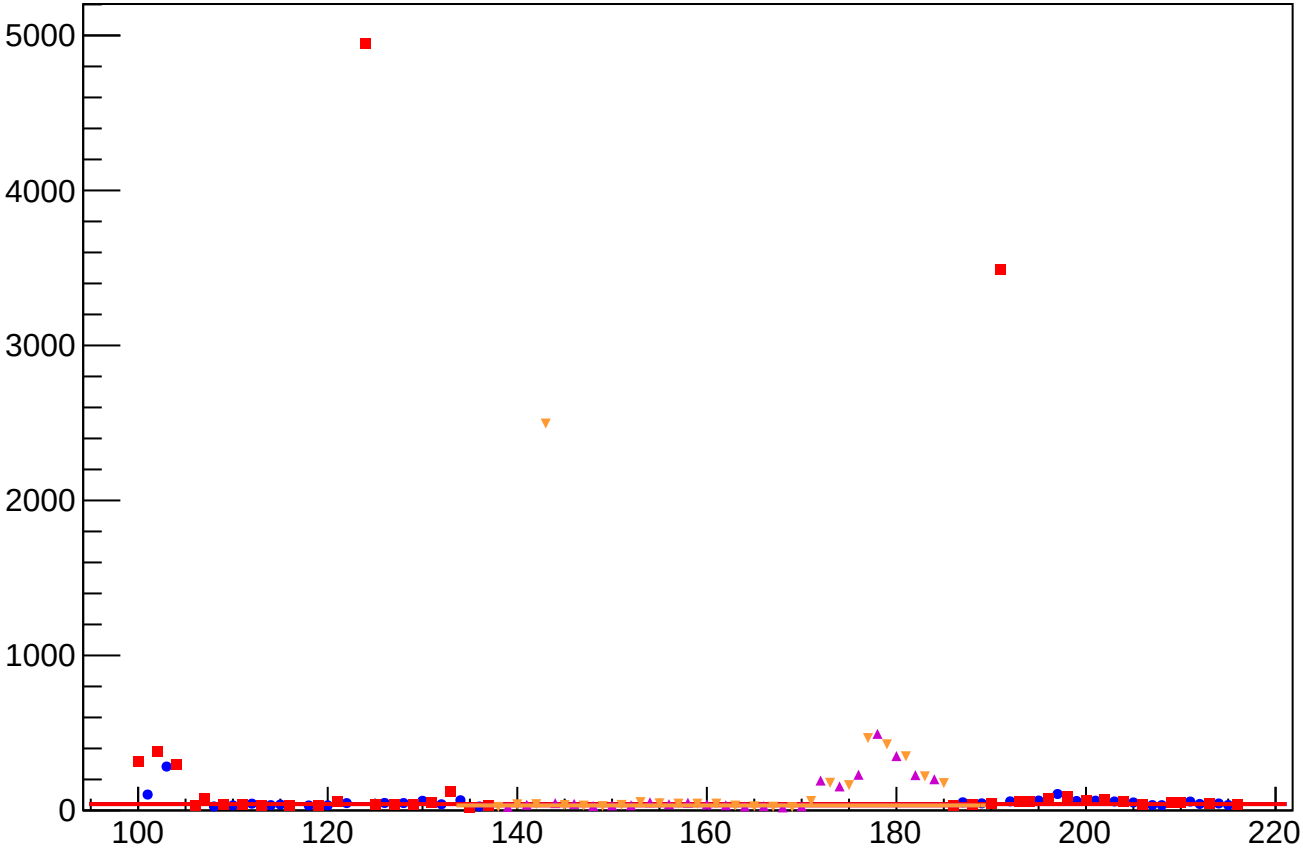
Right: -0.003+/-0.008 χ^2/NDF: 48.0/65

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/59

All: -0.006+/-0.005 χ^2/NDF: 97.9/113

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: 41.063+/-0.008 χ^2/NDF: 5538028.1/34

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

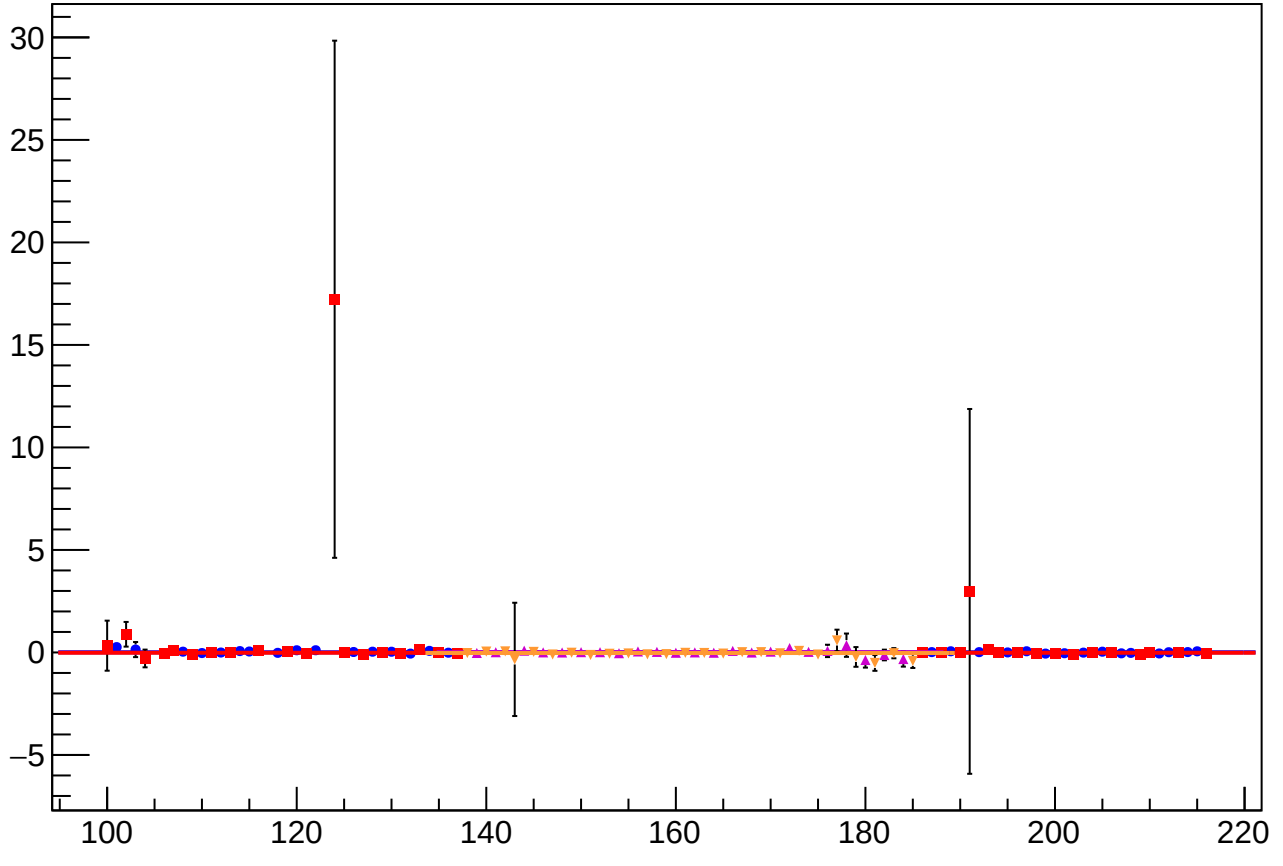
Right: 41.139+/-0.005 χ^2/NDF: 9852986.8/65

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.301+/-0.005 χ^2/NDF:17115029.9/59

All: 36.397+/-0.004 χ^2/NDF: 31100137.4/113

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: -0.014+/-0.011 χ^2/NDF: 27.0/34

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

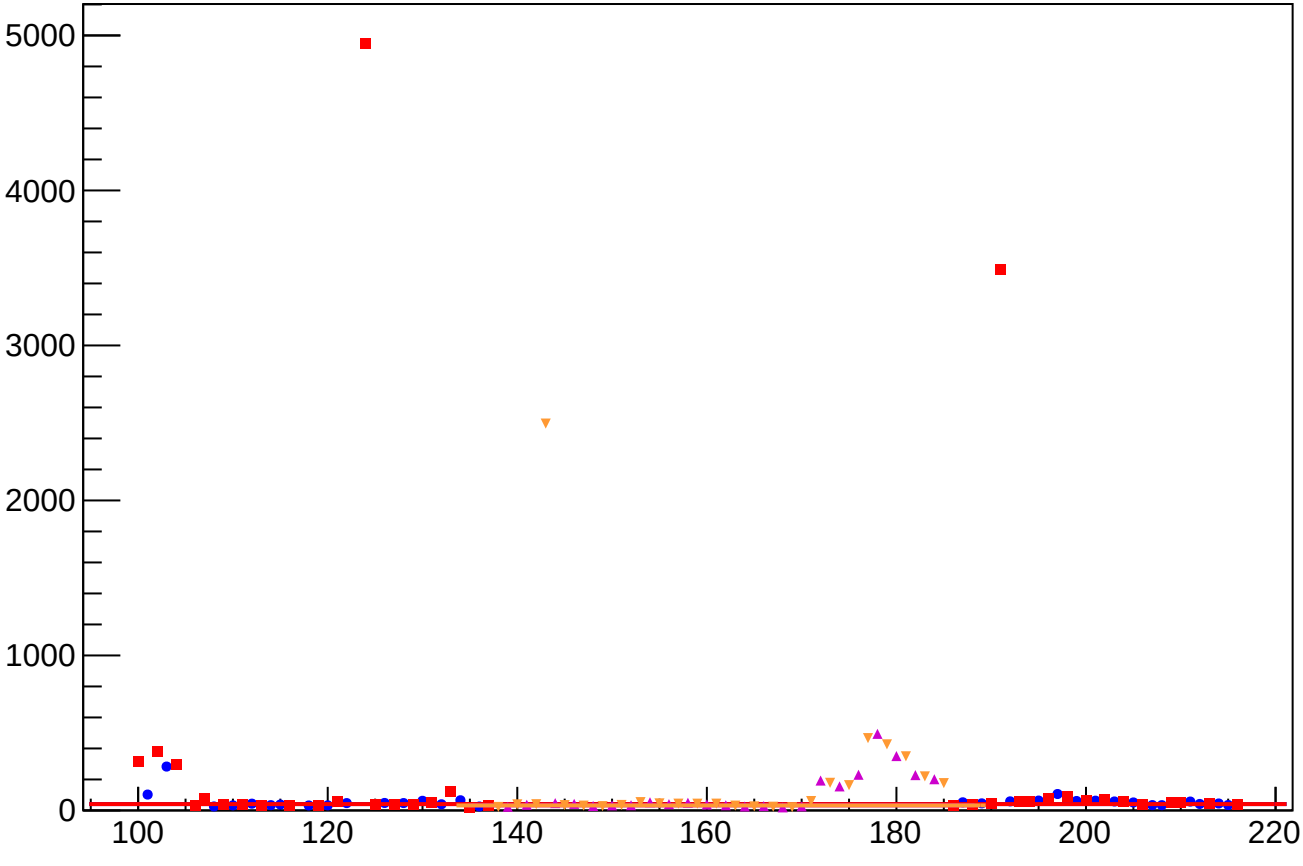
Right: -0.003+/-0.008 χ^2/NDF: 48.0/65

In: 0.010+/-0.007 χ^2/NDF:31.8/53

Out: -0.022+/-0.007 χ^2/NDF:56.1/59

All: -0.006+/-0.005 χ^2/NDF: 97.9/113

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: 41.063+/-0.008 χ^2/NDF: 5538028.1/34

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

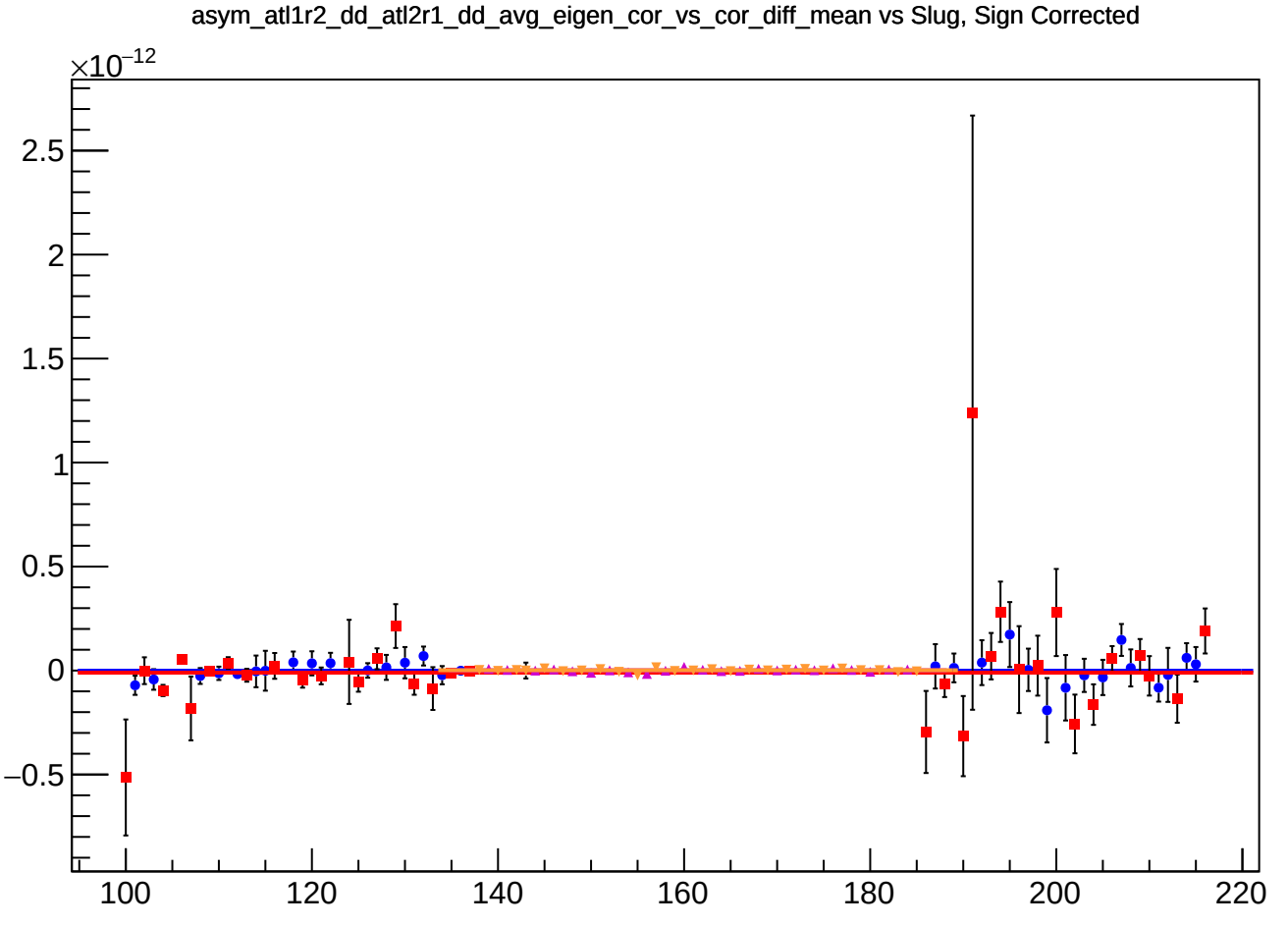
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.139+/-0.005 χ^2/NDF: 9852986.8/65

In: 36.493+/-0.005 χ^2/NDF:13984377.2/53

Out: 36.301+/-0.005 χ^2/NDF:17115029.9/59

All: 36.397+/-0.004 χ^2/NDF: 31100137.4/113



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: 64.9/34

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

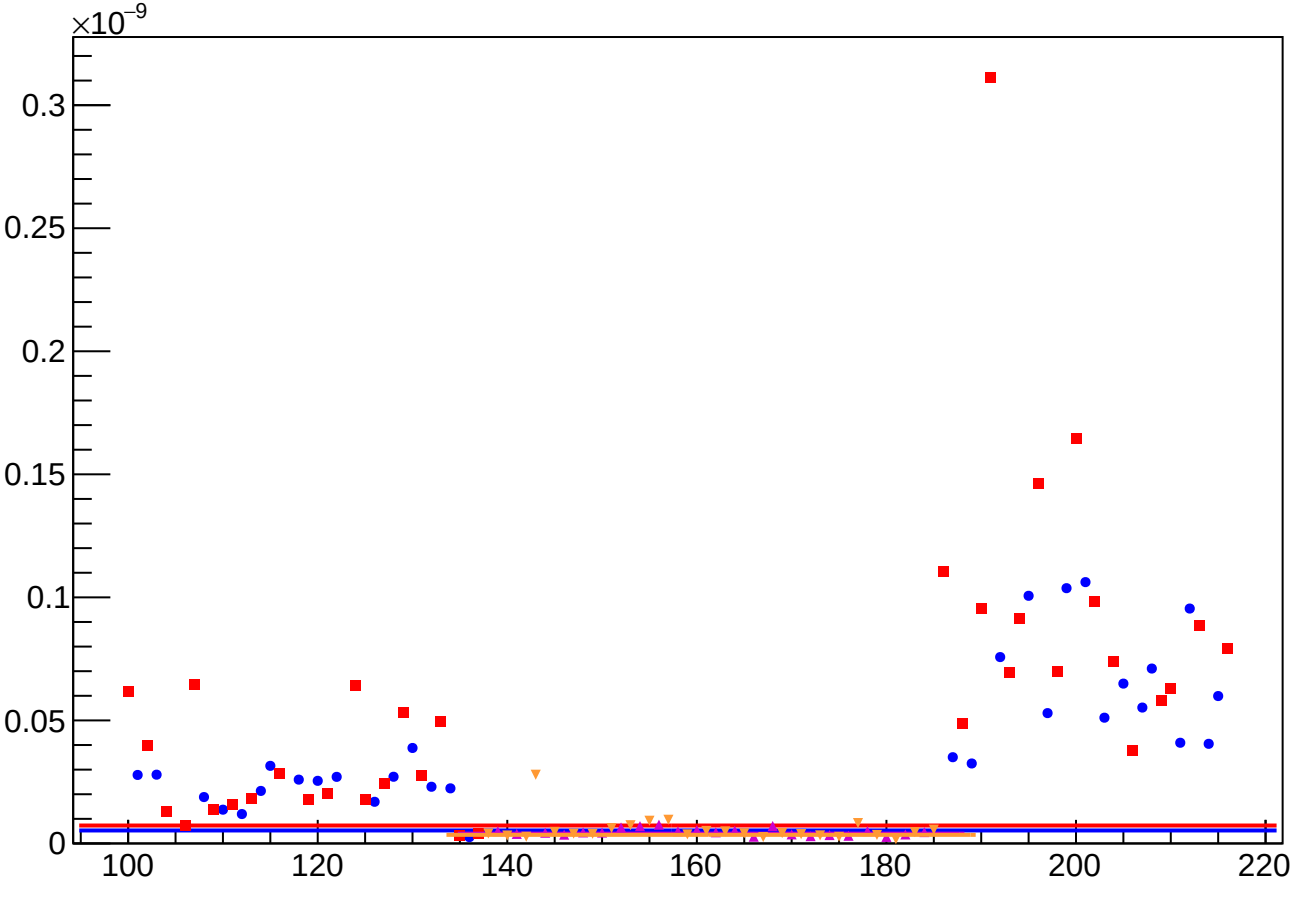
Right: -0.000+/-0.000 χ^2/NDF: 86.0/65

In: 0.000+/-0.000 χ^2/NDF:47.3/53

Out: 0.000+/-0.000 χ^2/NDF:90.4/59

All: 0.000+/-0.000 χ^2/NDF: 137.8/113

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15898013.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16298543.2/34

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

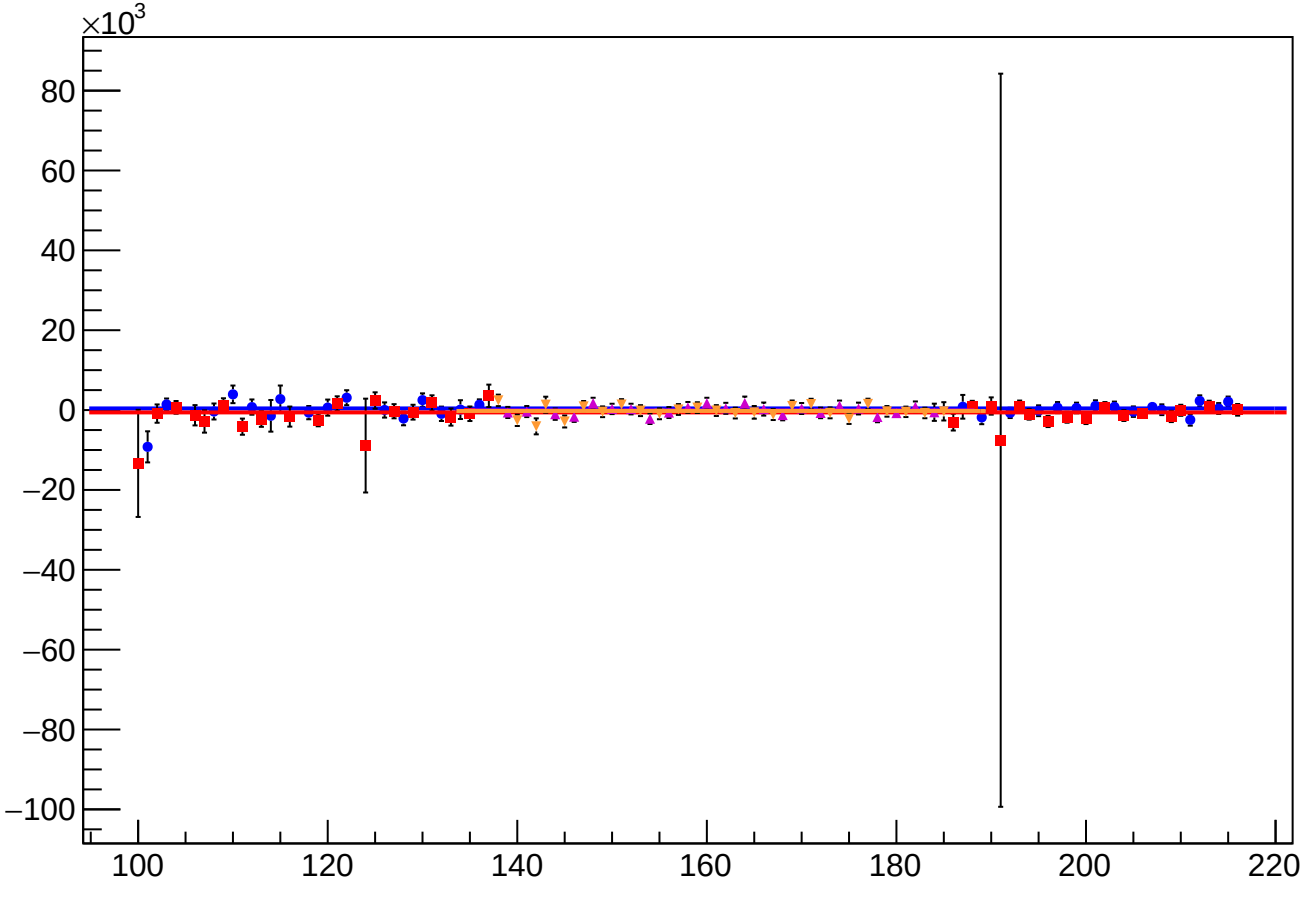
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 32480359.9/65

In: 0.000+/-0.000 χ^2/NDF:18237421.7/53

Out: 0.000+/-0.000 χ^2/NDF:22572782.2/59

All: 0.000+/-0.000 χ^2/NDF: 40940656.0/113



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: -583.776+/-290.120 χ^2/NDF: 29.7/34

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

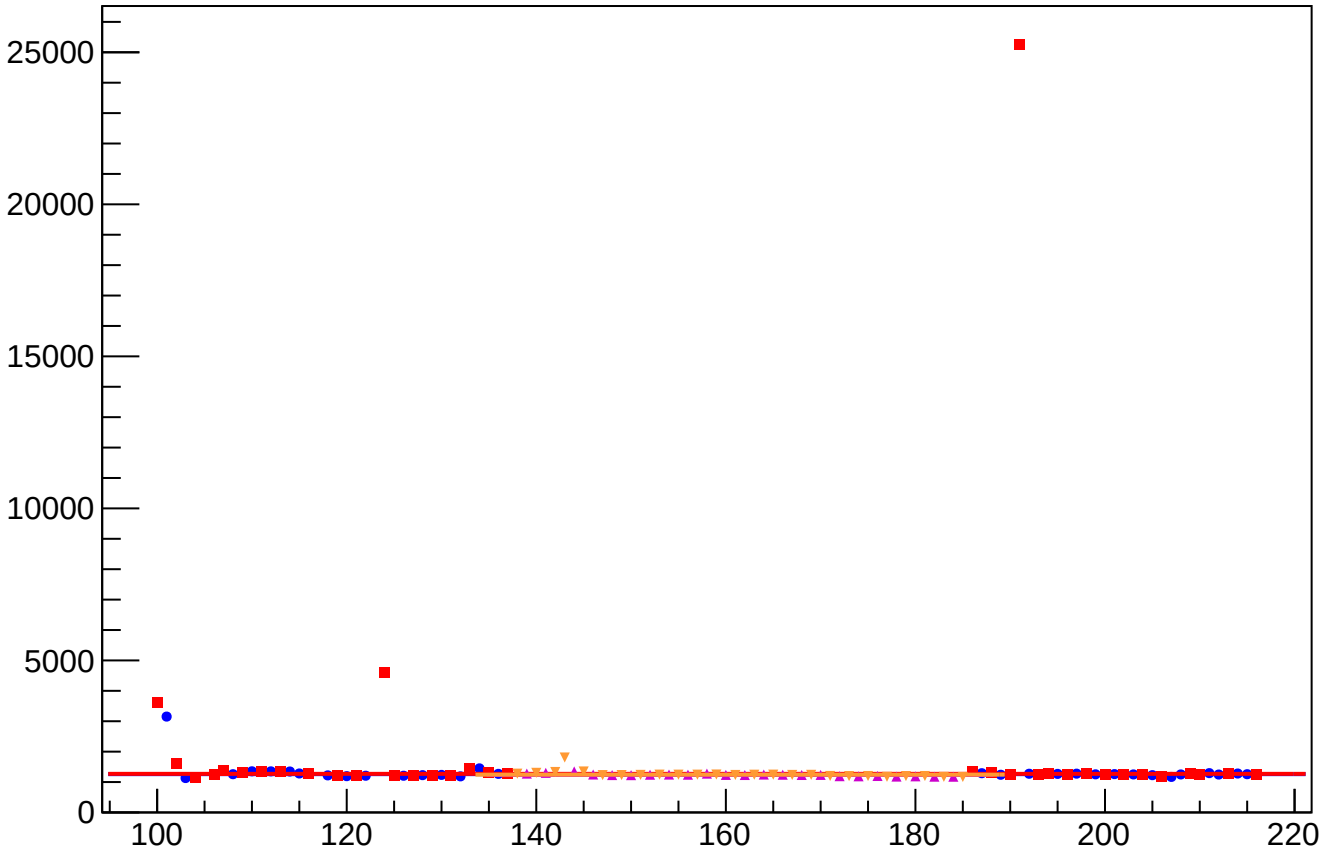
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -84.086+/-204.733 χ^2/NDF: 63.8/65

In: 158.955+/-204.061 χ^2/NDF:44.4/53

Out: -397.774+/-202.602 χ^2/NDF:54.4/59

All: -121.407+/-143.774 χ^2/NDF: 102.6/113



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: 1269.614+/-0.205 χ^2/NDF: 487009.9/34

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

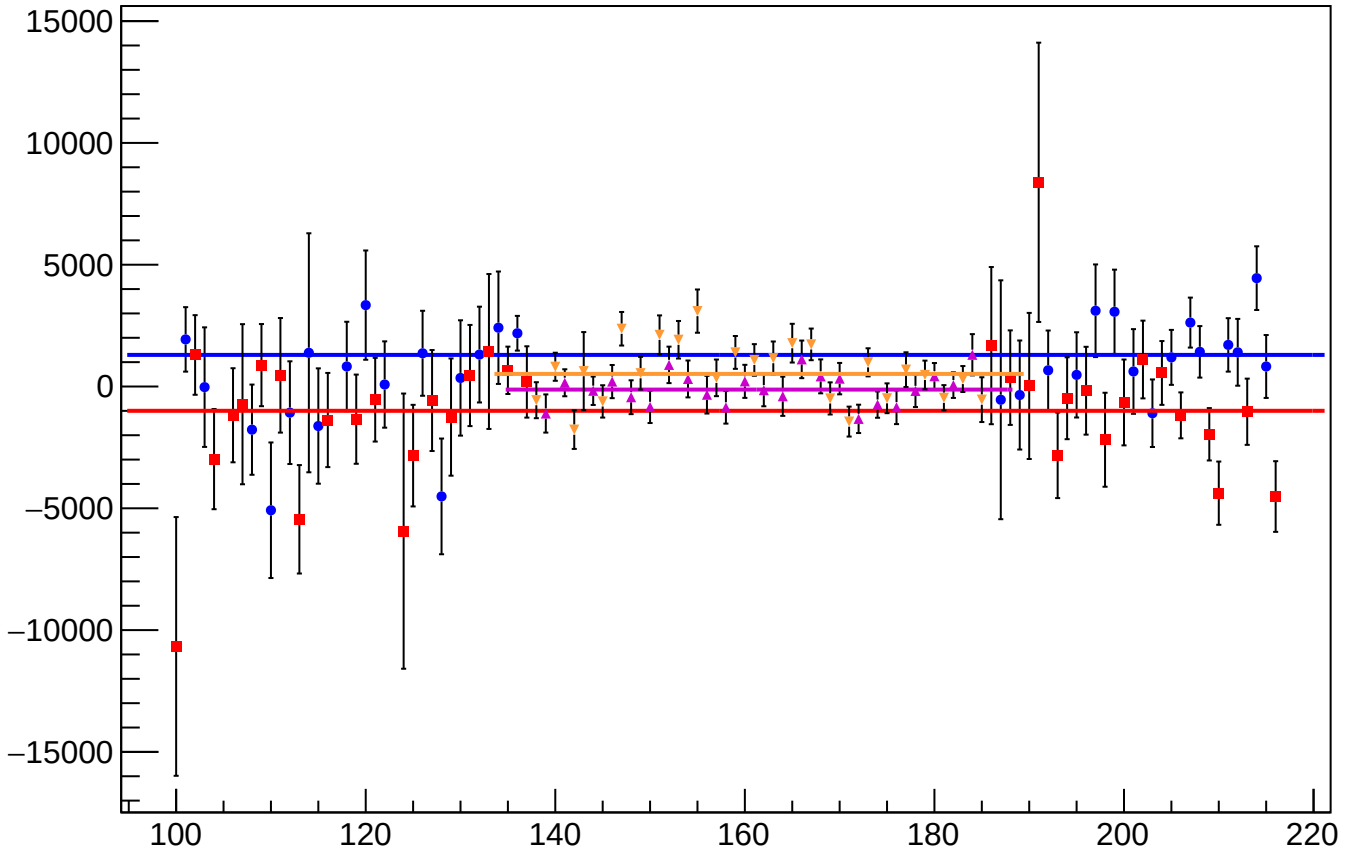
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1264.748+/-0.145 χ^2/NDF: 1023786.5/65

In: 1246.803+/-0.144 χ^2/NDF:583159.8/53

Out: 1255.889+/-0.143 χ^2/NDF:699045.6/59

All: 1251.379+/-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: -997.266+/-290.822 χ^2/NDF: 40.7/34

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

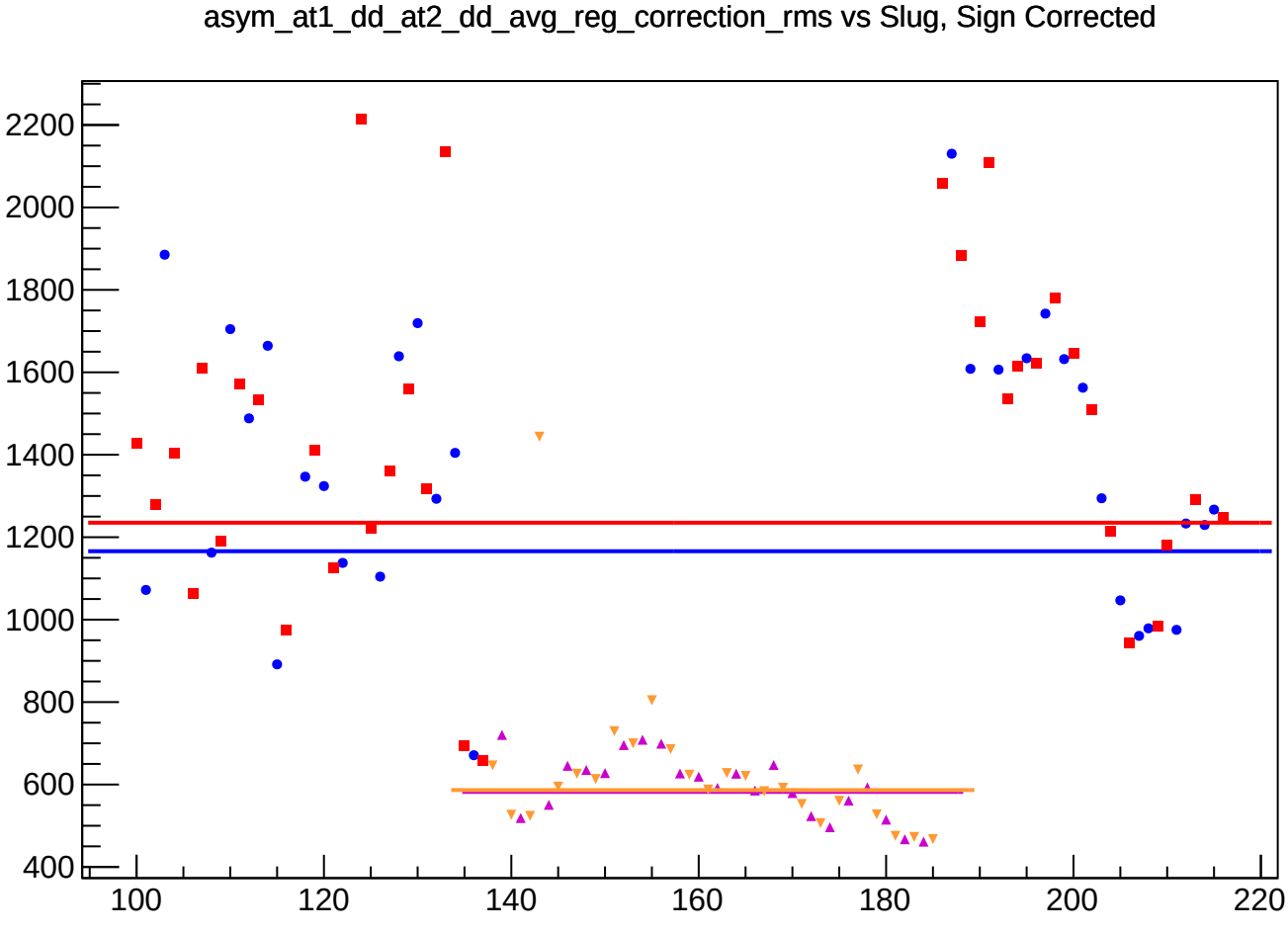
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 208.848+/-200.316 χ^2/NDF: 107.9/65

In: 155.334+/-122.933 χ^2/NDF:77.4/53

Out: 245.934+/-123.006 χ^2/NDF:130.0/59

All: 200.607+/-86.952 χ^2/NDF: 207.6/113



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: 1235.161+/-0.206 χ^2/NDF: 2737889.9/34

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

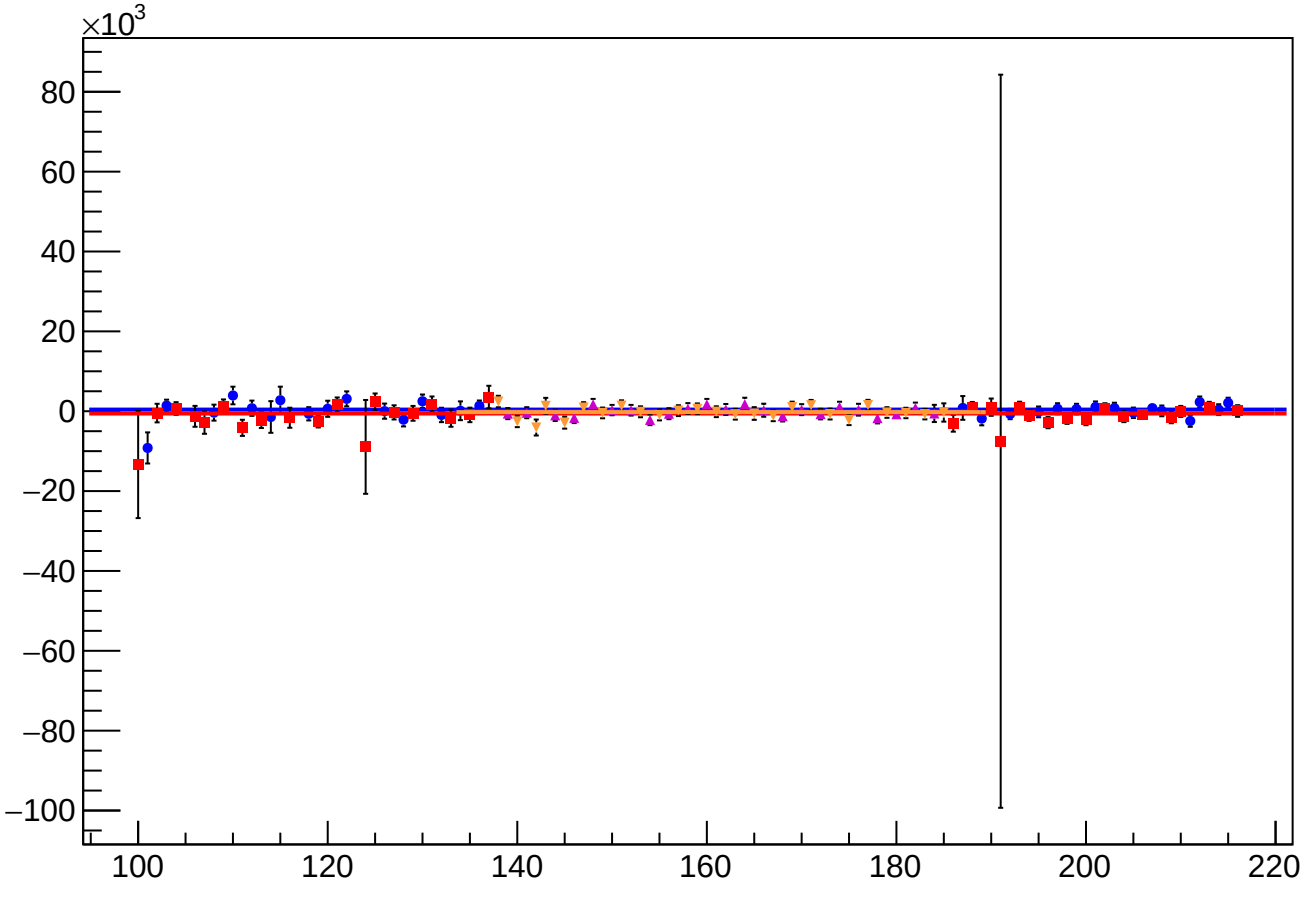
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1198.798+/-0.142 χ^2/NDF: 5504874.2/65

In: 697.744+/-0.087 χ^2/NDF:10427132.1/53

Out: 702.590+/-0.087 χ^2/NDF:12109146.1/59

All: 700.165+/-0.061 χ^2/NDF: 22537831.2/11



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: -576.384+/-290.300 χ^2/NDF: 29.7/34

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

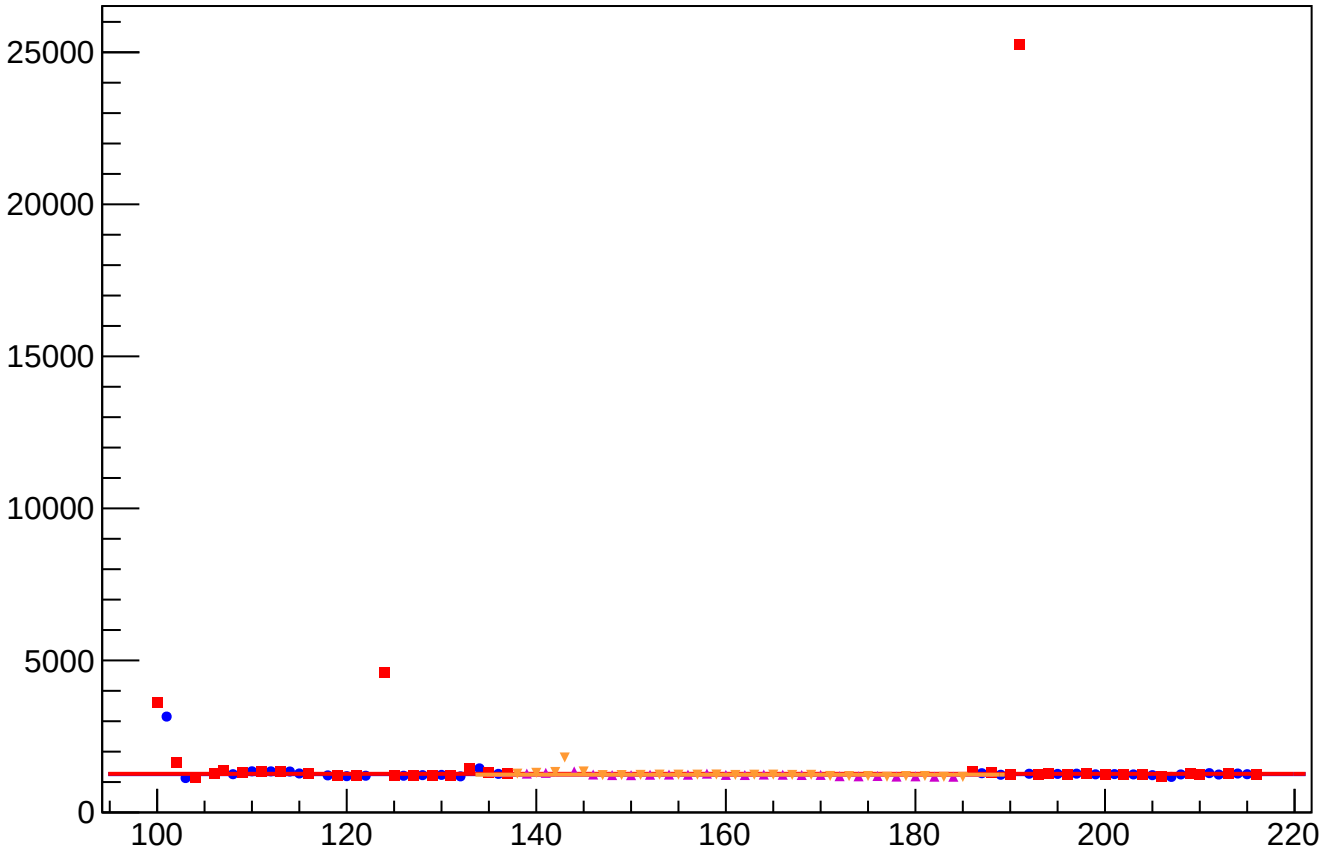
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -80.008+/-204.796 χ^2/NDF: 63.7/65

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -394.077+/-202.663 χ^2/NDF:54.4/59

All: -119.434+/-143.796 χ^2/NDF: 102.5/113



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: 1270.431+/-0.205 χ^2/NDF: 494194.9/34

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

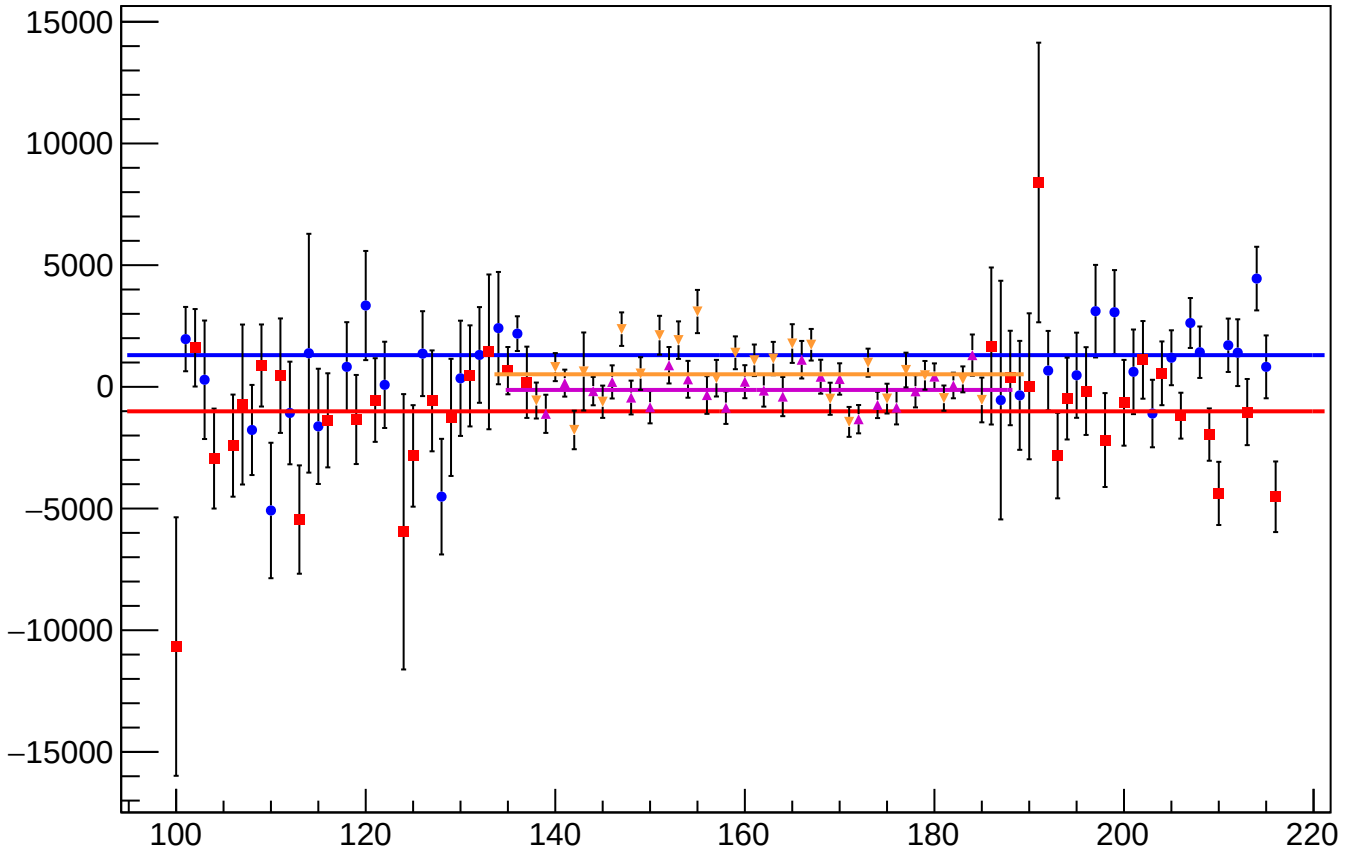
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.151+/-0.145 χ^2/NDF: 1031168.9/65

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.279+/-0.143 χ^2/NDF:706765.5/59

All: 1251.574+/-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: -1005.629+/-291.069 χ^2/NDF: 41.8/34

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

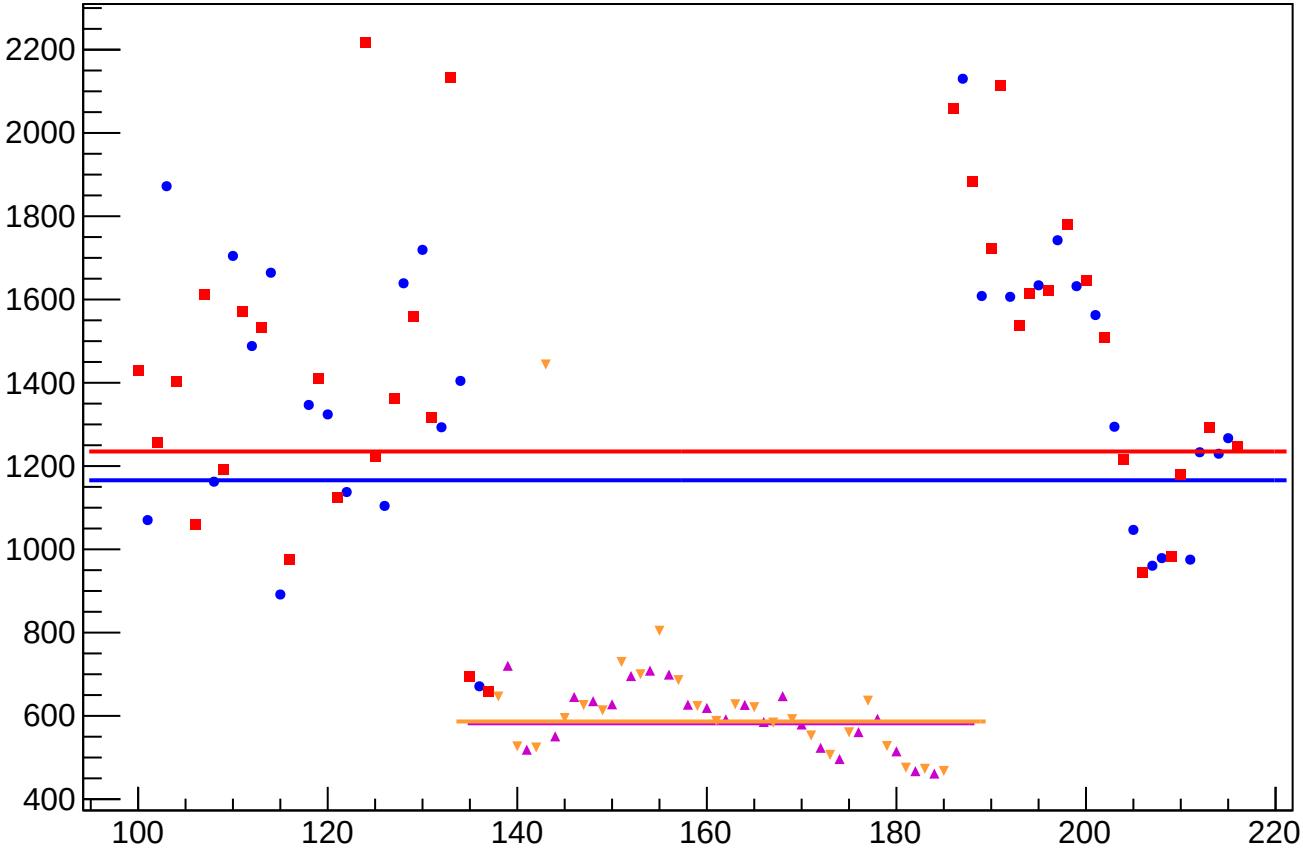
Right: 208.751+/-200.378 χ^2/NDF: 109.3/65

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 244.831+/-123.025 χ^2/NDF:131.3/59

All: 200.601+/-86.958 χ^2/NDF: 209.0/113

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



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: 1235.016+/-0.206 χ^2/NDF: 2735249.3/34

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

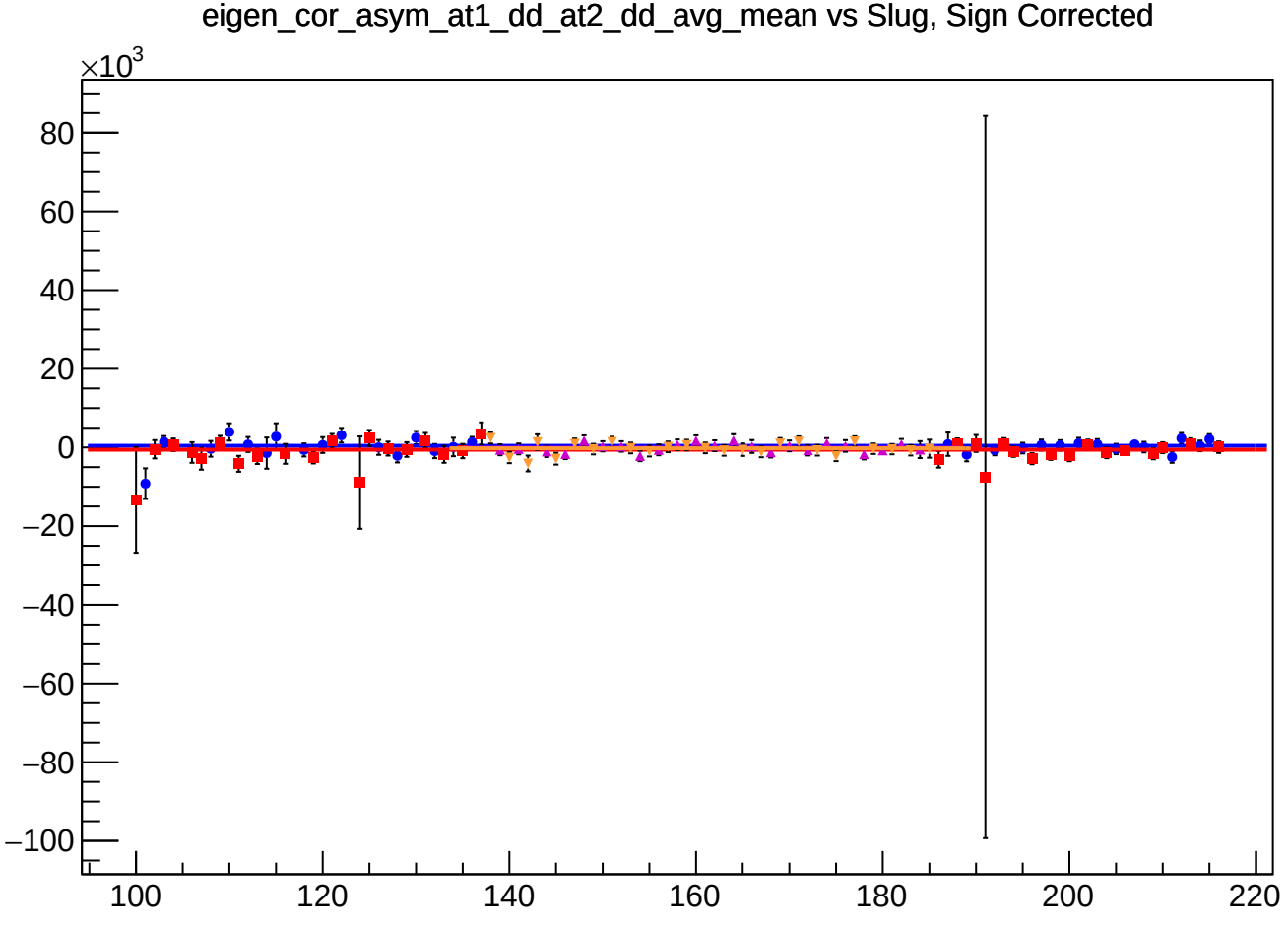
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1198.635+/-0.142 χ^2/NDF: 5499061.9/65

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 702.407+/-0.087 χ^2/NDF:12091220.8/59

All: 700.078+/-0.061 χ^2/NDF: 22516050.3/11



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: -576.384+/-290.300 χ^2/NDF: 29.7/34

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

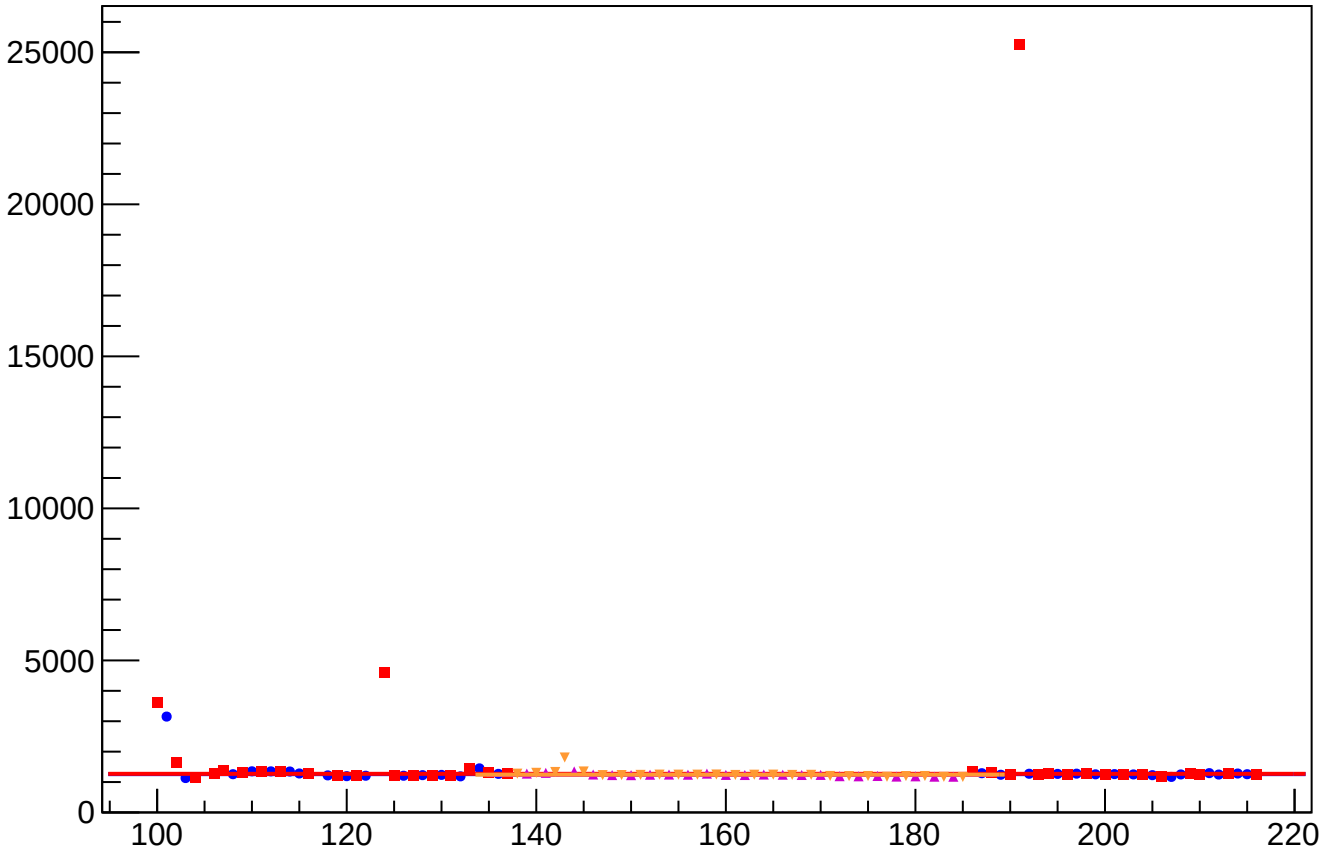
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -80.008+/-204.796 χ^2/NDF: 63.7/65

In: 159.011+/-204.061 χ^2/NDF:44.4/53

Out: -394.077+/-202.663 χ^2/NDF:54.4/59

All: -119.434+/-143.796 χ^2/NDF: 102.5/113



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: 1270.431+/-0.205 χ^2/NDF: 494194.9/34

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

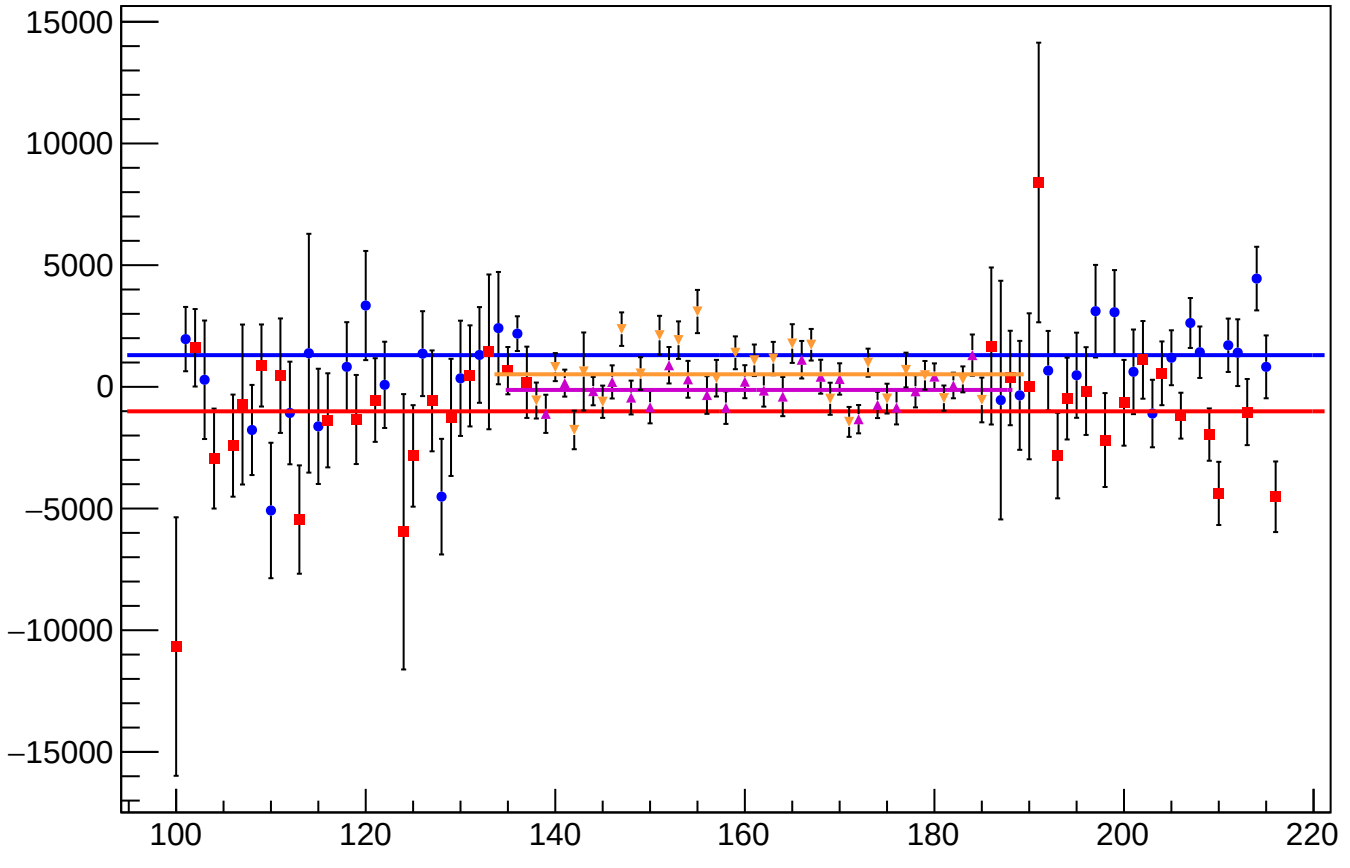
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1265.151+/-0.145 χ^2/NDF: 1031168.9/65

In: 1246.803+/-0.144 χ^2/NDF:583161.1/53

Out: 1256.279+/-0.143 χ^2/NDF:706765.5/59

All: 1251.574+/-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: -1005.629+/-291.069 χ^2/NDF: 41.8/34

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

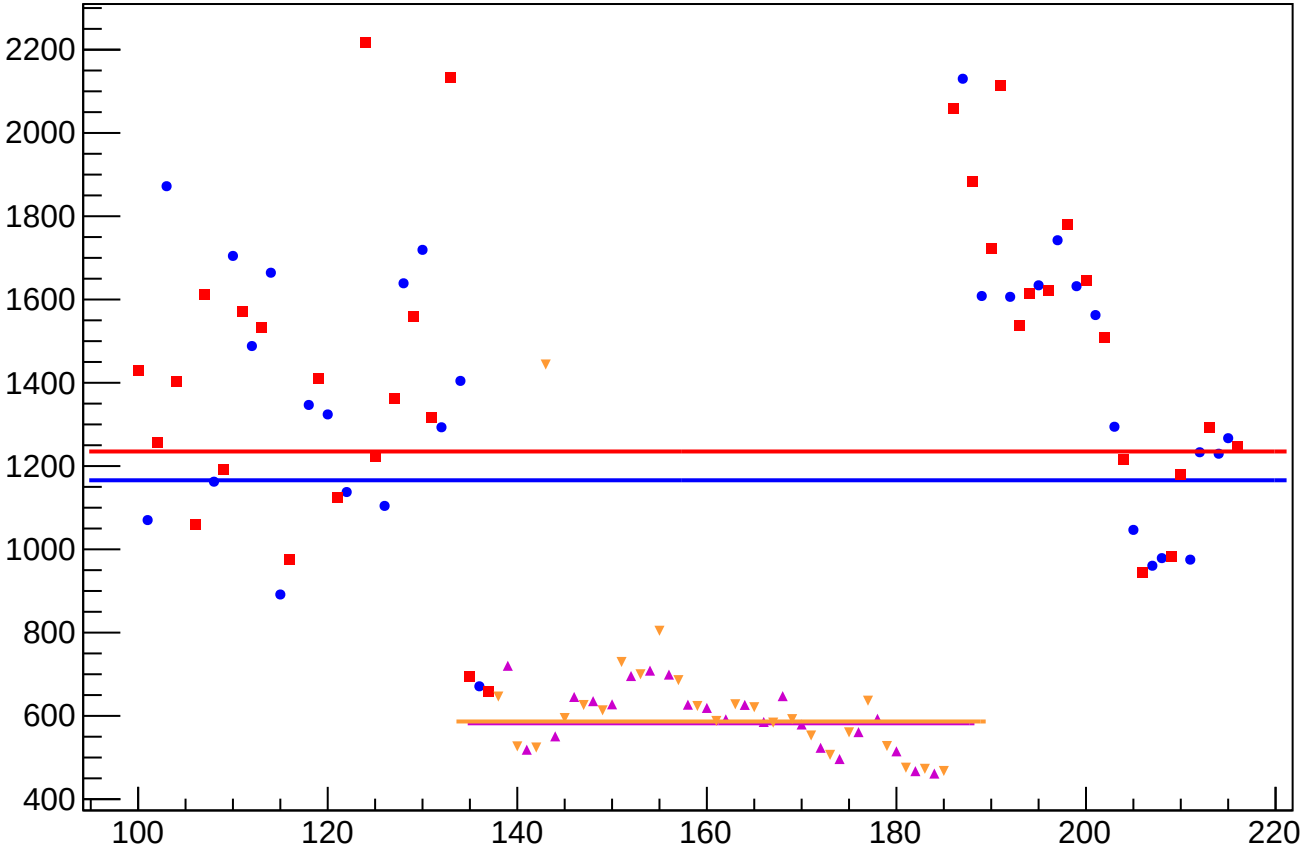
Right: 208.751+/-200.378 χ^2/NDF: 109.3/65

In: 156.441+/-122.928 χ^2/NDF:77.5/53

Out: 244.831+/-123.025 χ^2/NDF:131.3/59

All: 200.601+/-86.958 χ^2/NDF: 209.0/113

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1235.016+/-0.206 χ^2/NDF: 2735249.3/34

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

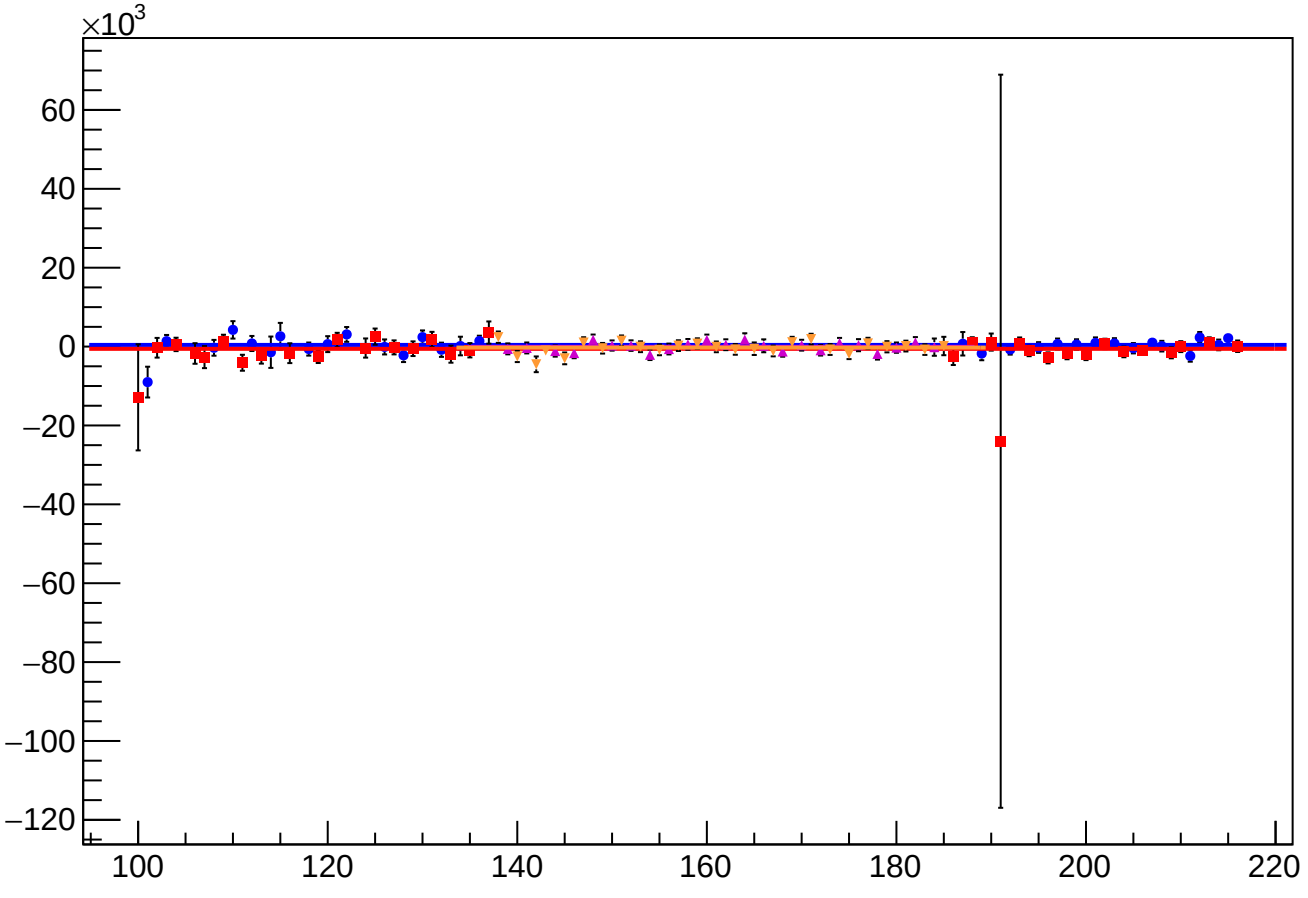
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1198.635+/-0.142 χ^2/NDF: 5499061.9/65

In: 697.752+/-0.087 χ^2/NDF:10423397.0/53

Out: 702.407+/-0.087 χ^2/NDF:12091220.8/59

All: 700.078+/-0.061 χ^2/NDF: 22516050.3/11



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: -573.200+/-289.660 χ^2/NDF: 29.2/34

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

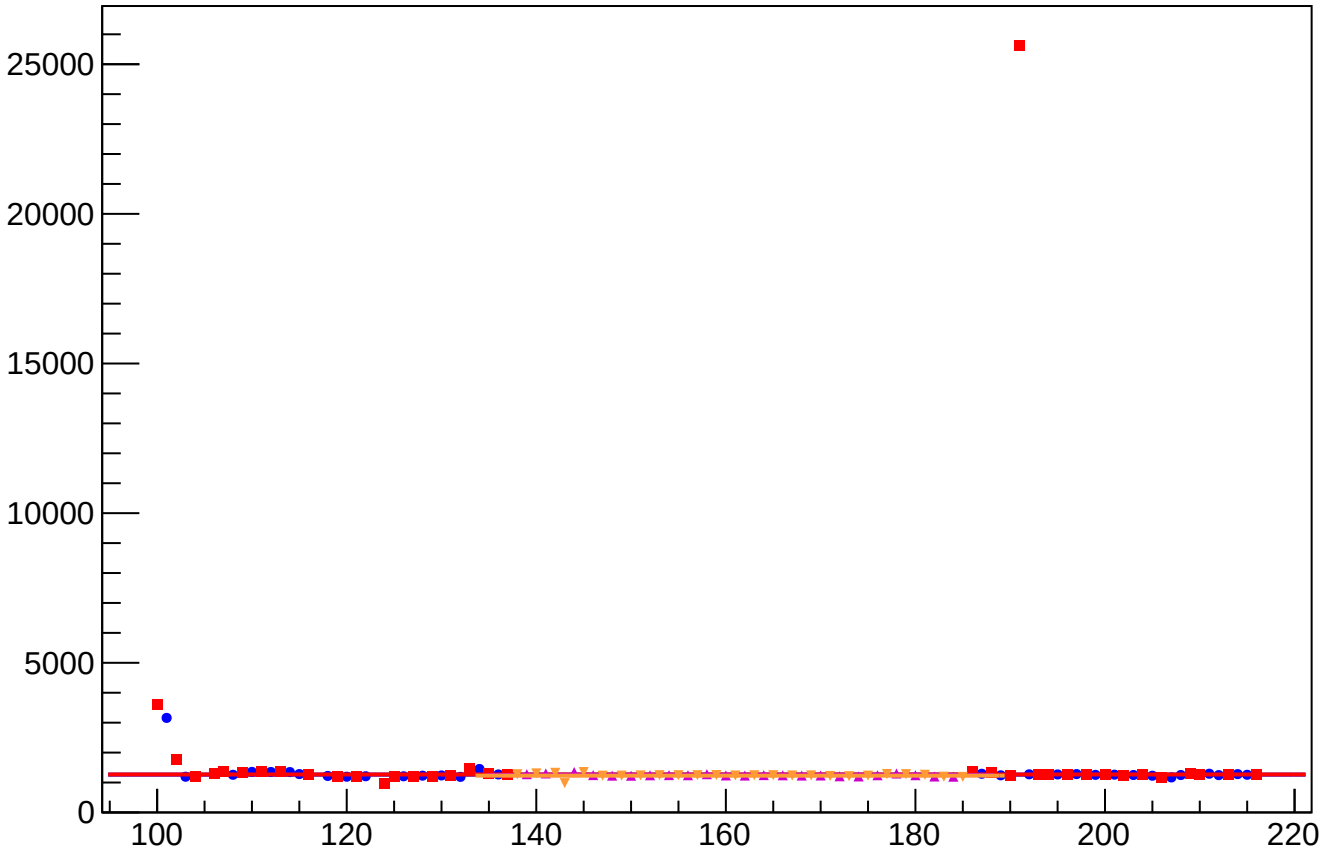
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -76.776+/-204.875 χ^2/NDF: 63.3/65

In: 174.047+/-205.508 χ^2/NDF:43.6/53

Out: -406.516+/-201.290 χ^2/NDF:53.9/59

All: -122.254+/-143.802 χ^2/NDF: 101.6/113



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: 1269.111+/-0.205 χ^2/NDF: 385395.3/34

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

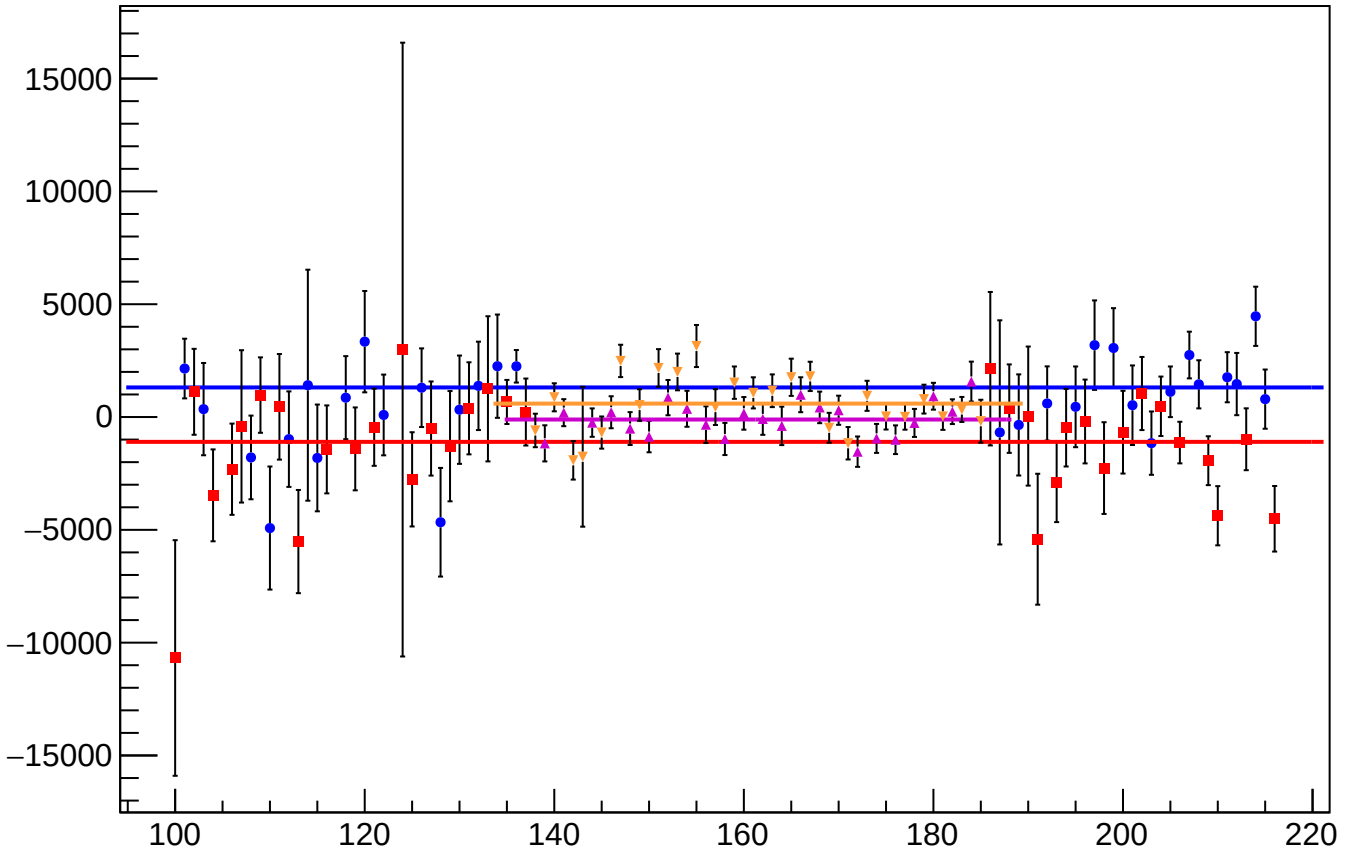
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.462+/-0.145 χ^2/NDF: 911200.6/65

In: 1255.843+/-0.145 χ^2/NDF:555851.6/53

Out: 1248.880+/-0.142 χ^2/NDF:545870.5/59

All: 1252.289+/-0.102 χ^2/NDF: 1102894.0/11



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: -1100.510+/-293.386 χ^2/NDF: 39.4/34

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

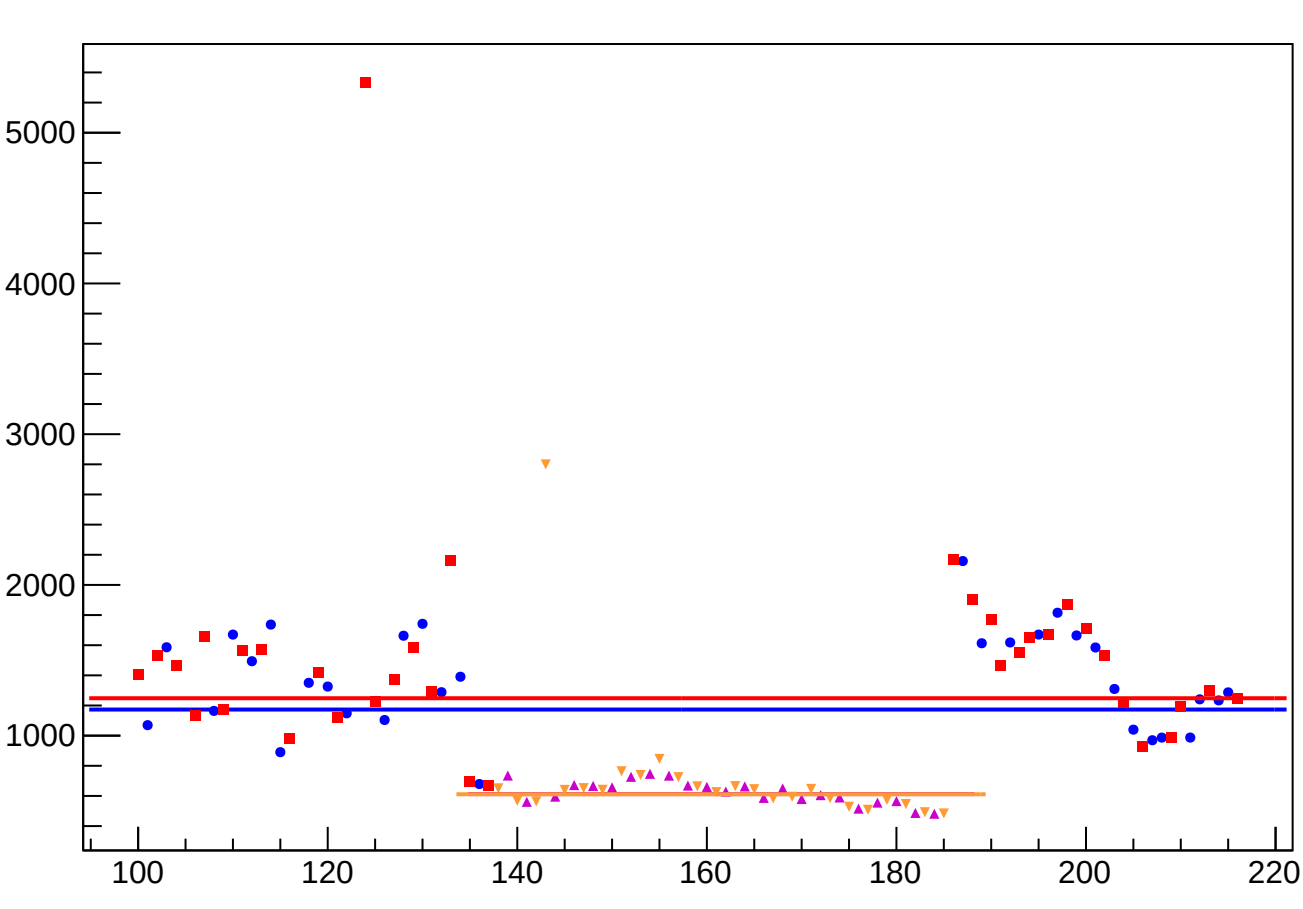
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

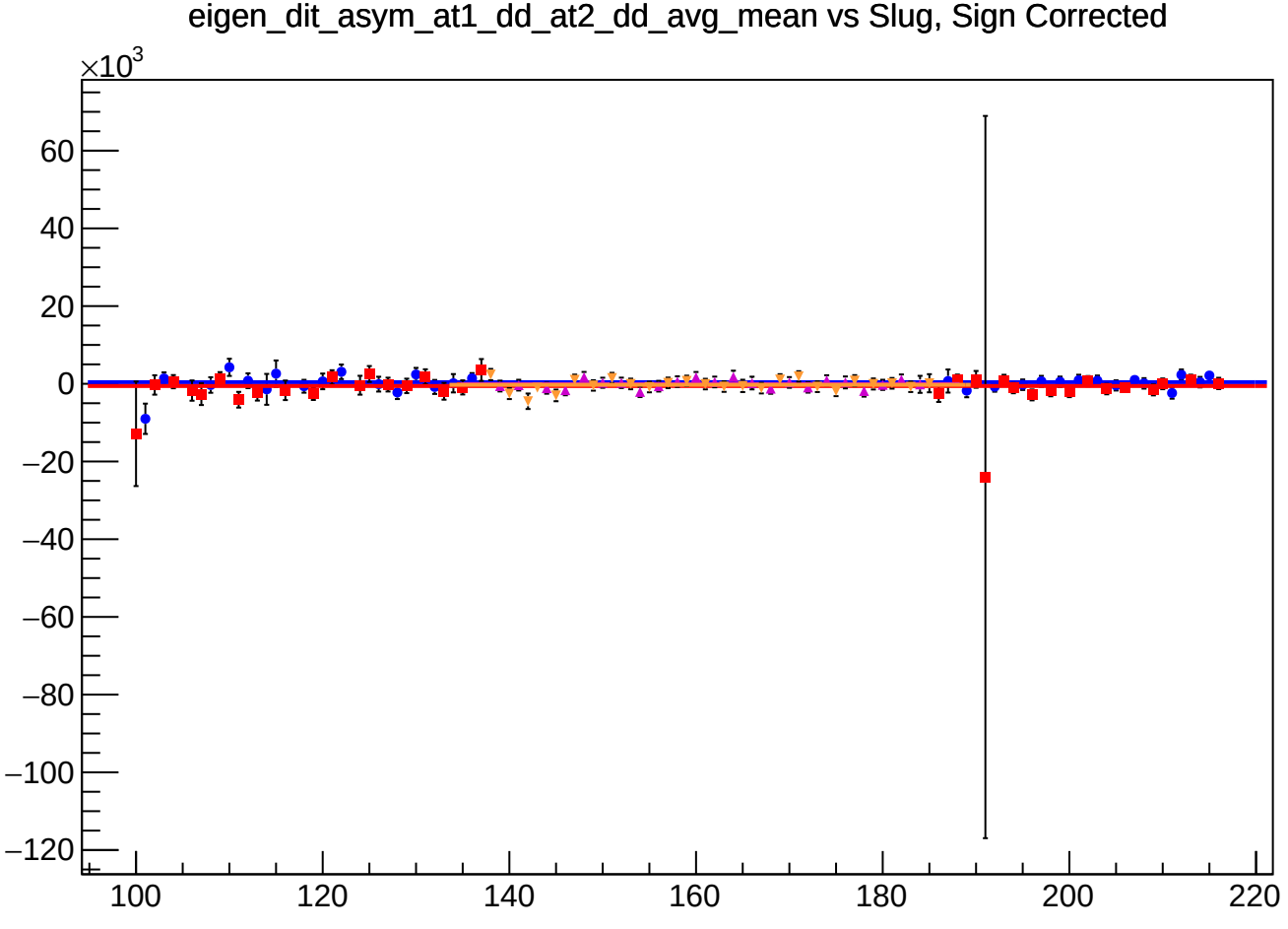
Right: 171.302+/-201.704 χ^2/NDF: 110.5/65

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 272.716+/-127.911 χ^2/NDF:123.8/59

All: 232.208+/-90.479 χ^2/NDF: 205.8/113


asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1173.201+/-0.196 χ²/NDF: 2646017.2/30
Left Out: 611.087+/-0.101 χ²/NDF:1619322.3/24
Right Out: 1248.185+/-0.207 χ²/NDF: 3030885.9/34
Left In: 612.399+/-0.102 χ²/NDF:508595.4/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.7/47
Right: 1208.643+/-0.143 χ²/NDF: 5745796.3/65
In: 731.499+/-0.091 χ²/NDF:9575994.7/53
Out: 732.187+/-0.090 χ²/NDF:12288698.7/59
All: 731.843+/-0.064 χ²/NDF: 21864722.2/11



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: -573.199+/-289.660 χ^2/NDF: 29.2/34

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

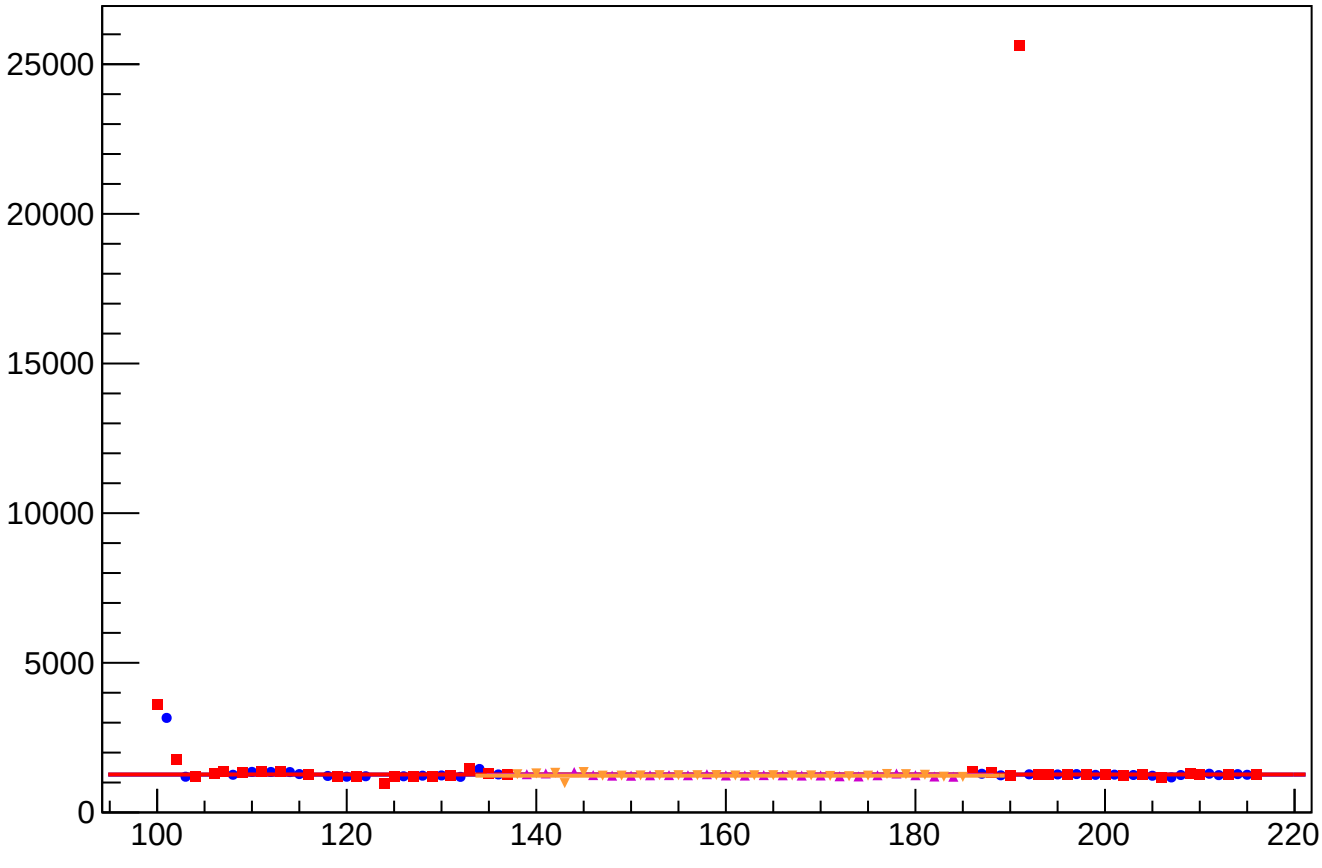
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -76.777+/-204.875 χ^2/NDF: 63.3/65

In: 174.046+/-205.508 χ^2/NDF:43.6/53

Out: -406.516+/-201.290 χ^2/NDF:53.9/59

All: -122.254+/-143.801 χ^2/NDF: 101.6/113



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: 1269.111+/-0.205 χ^2/NDF: 385395.1/34

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

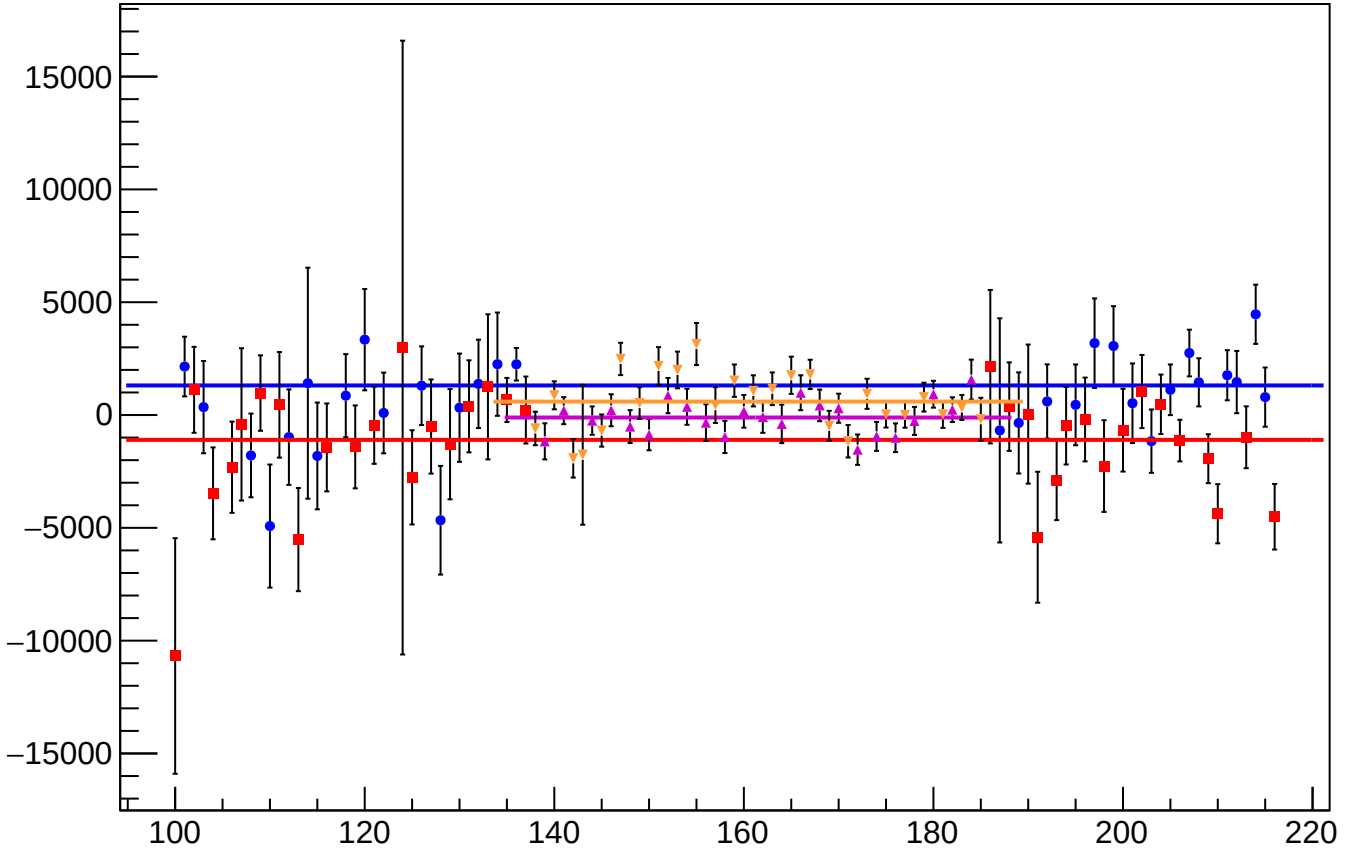
Right: 1266.462+/-0.145 χ^2/NDF: 911200.5/65

In: 1255.843+/-0.145 χ^2/NDF:555851.7/53

Out: 1248.880+/-0.142 χ^2/NDF:545869.4/59

All: 1252.289+/-0.102 χ^2/NDF: 1102892.9/11

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: -1100.512+/-293.386 χ^2/NDF: 39.4/34

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

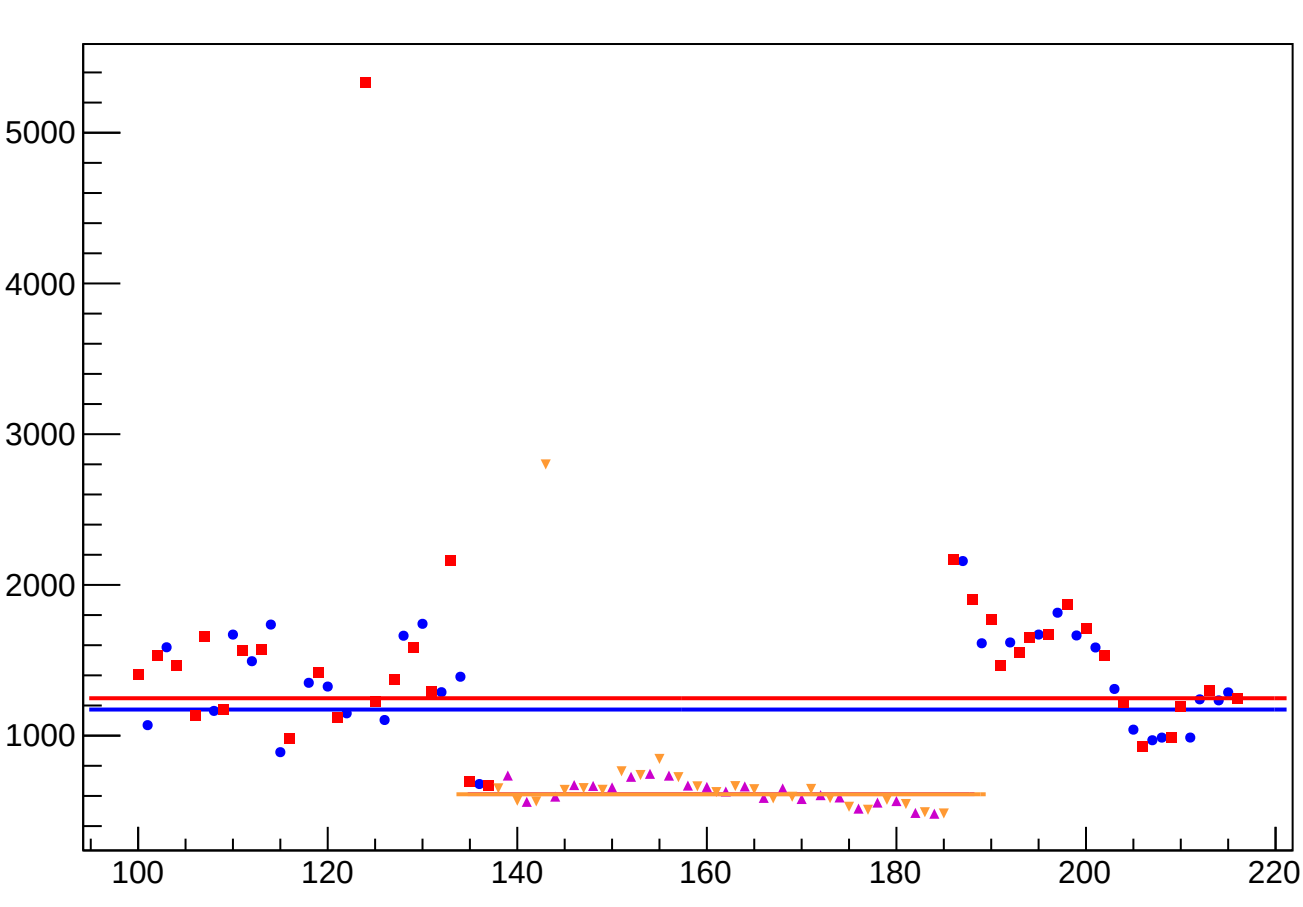
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

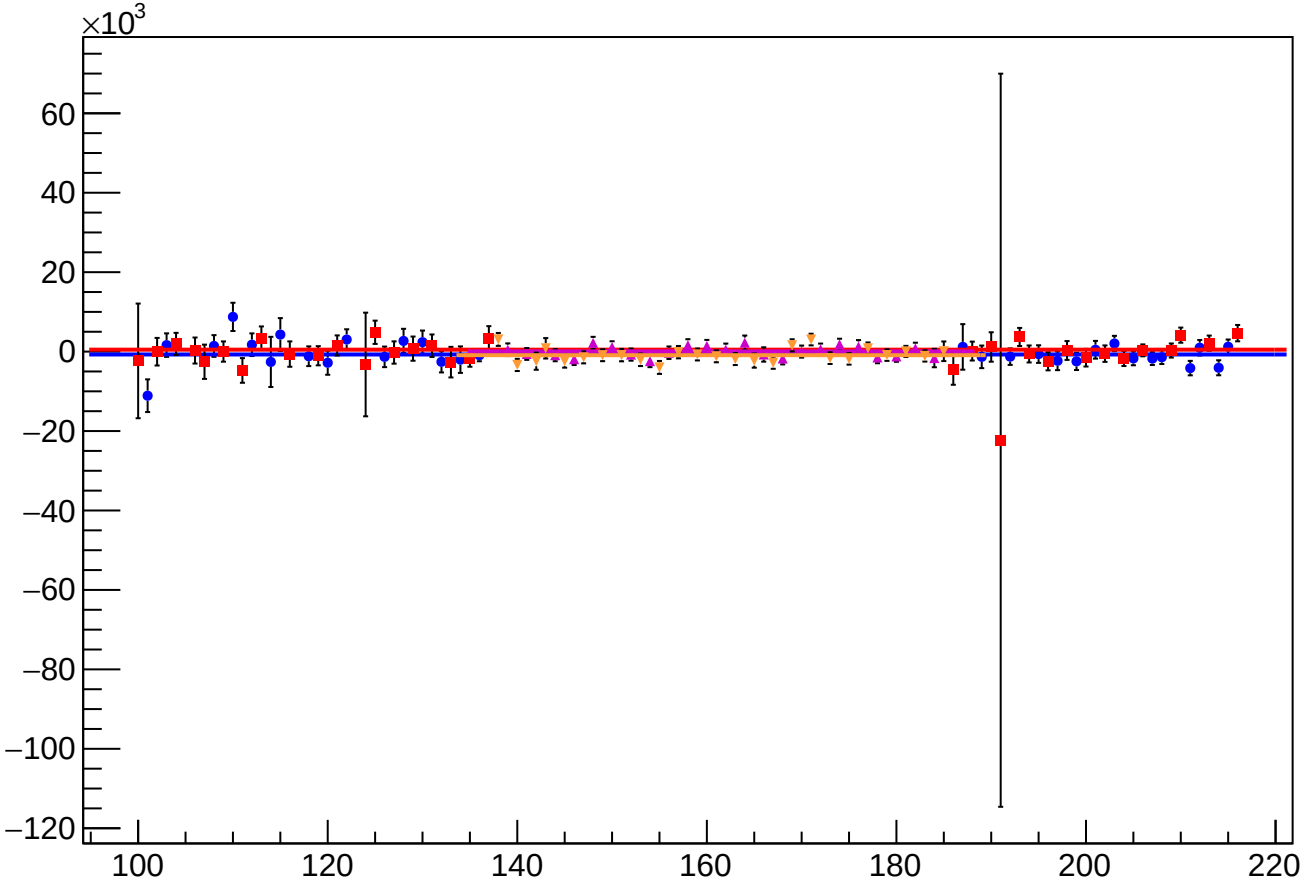
Right: 171.303+/-201.704 χ^2/NDF: 110.5/65

In: 191.641+/-128.004 χ^2/NDF:81.8/53

Out: 272.716+/-127.911 χ^2/NDF:123.8/59

All: 232.208+/-90.479 χ^2/NDF: 205.8/113


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: 1248.188+/-0.207 χ²/NDF: 3030829.1/34
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1208.645+/-0.143 χ²/NDF: 5745683.0/65
In: 731.499+/-0.091 χ²/NDF:9575977.9/53
Out: 732.187+/-0.090 χ²/NDF:12288697.6/59
All: 731.843+/-0.064 χ²/NDF: 21864704.4/1



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: 491.109+/-430.291 χ^2/NDF: 27.0/34

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

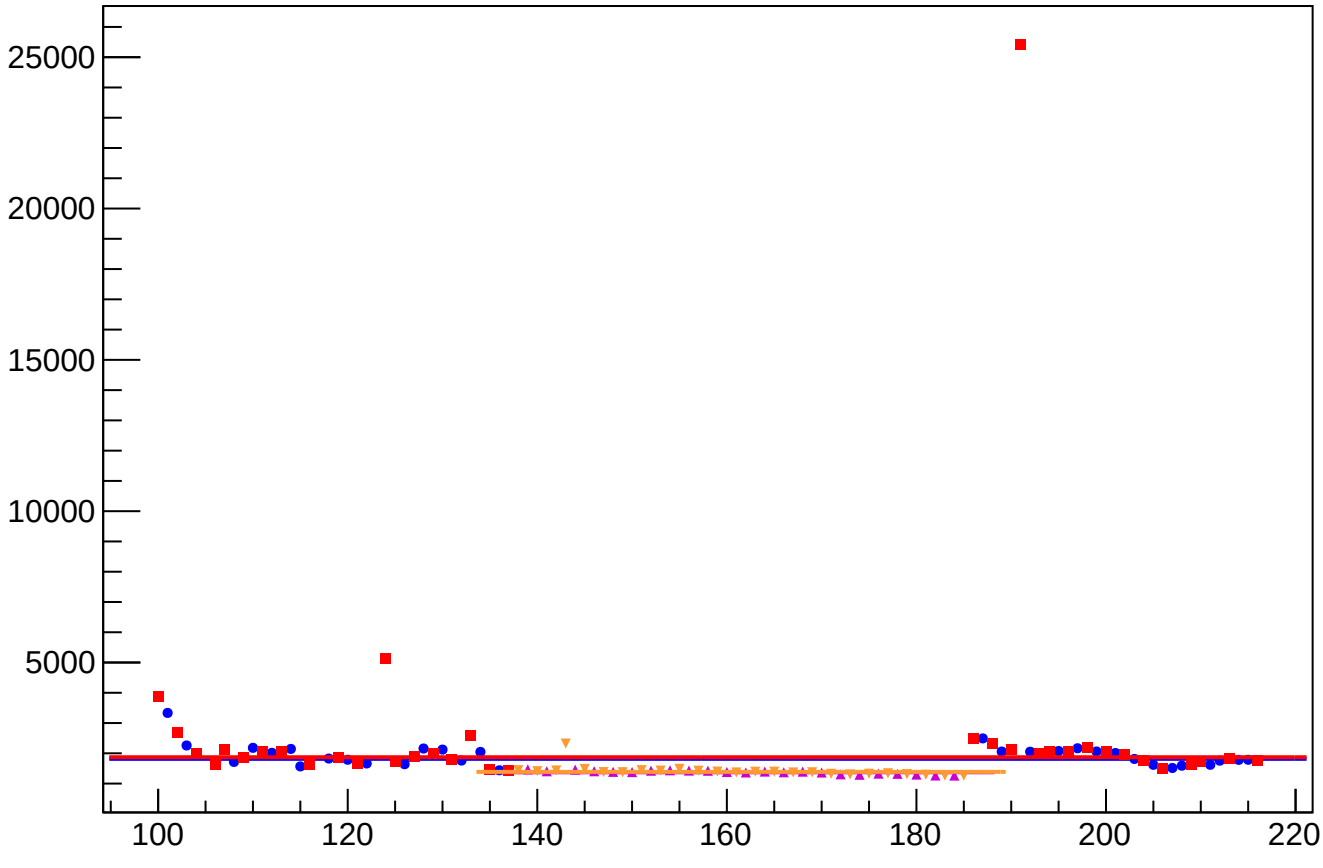
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -130.964+/-300.280 χ^2/NDF: 66.9/65

In: -236.201+/-254.835 χ^2/NDF:55.8/53

Out: -411.638+/-254.931 χ^2/NDF:63.6/59

All: -323.887+/-180.230 χ^2/NDF: 119.6/113



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: 1870.202+/-0.304 χ^2/NDF: 1056819.0/34

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

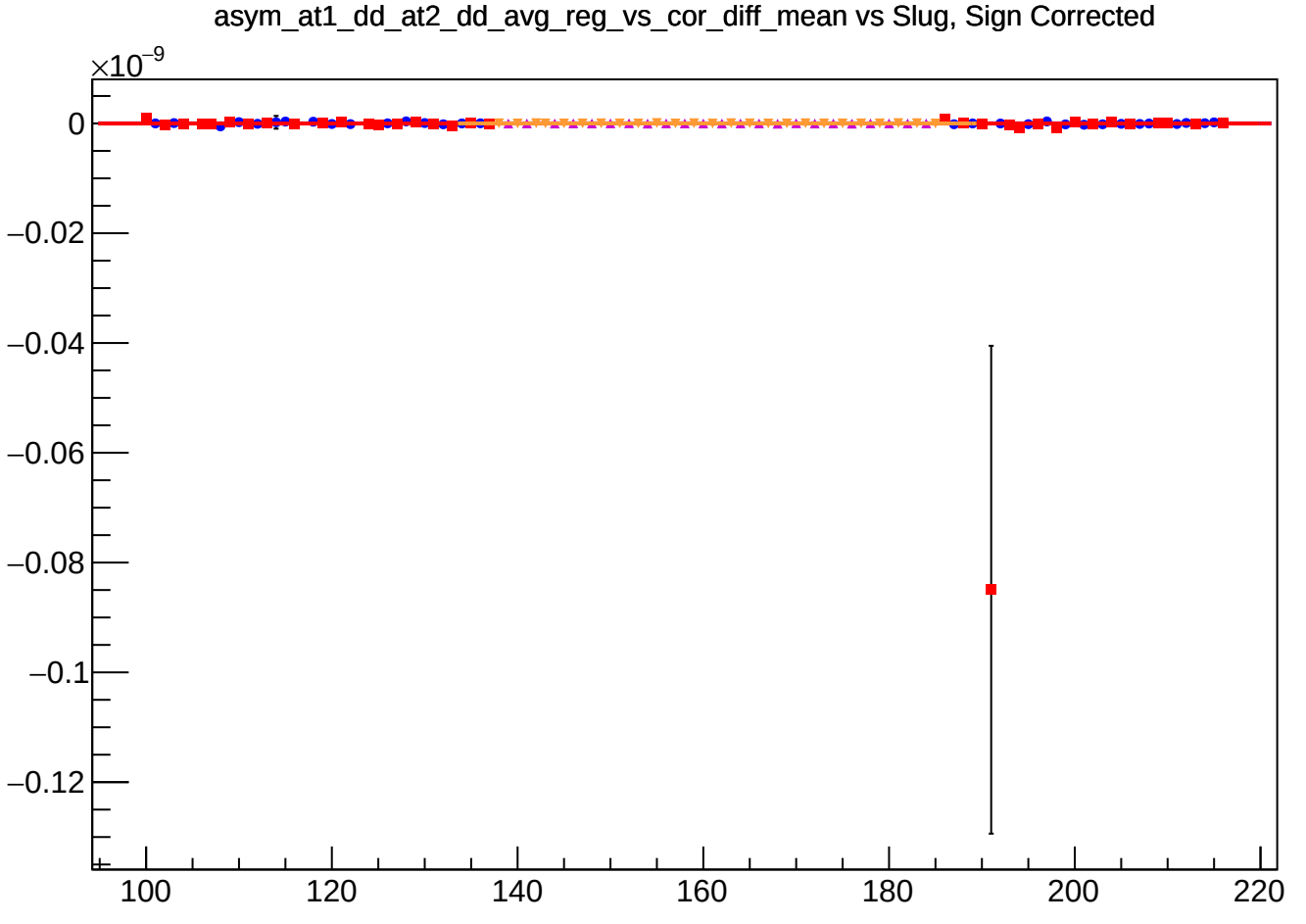
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1843.156+/-0.212 χ^2/NDF: 1965827.2/65

In: 1537.362+/-0.180 χ^2/NDF:2374136.6/53

Out: 1556.509+/-0.180 χ^2/NDF:3034495.7/59

All: 1546.932+/-0.127 χ^2/NDF: 5414275.6/11



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: 49.7/34

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

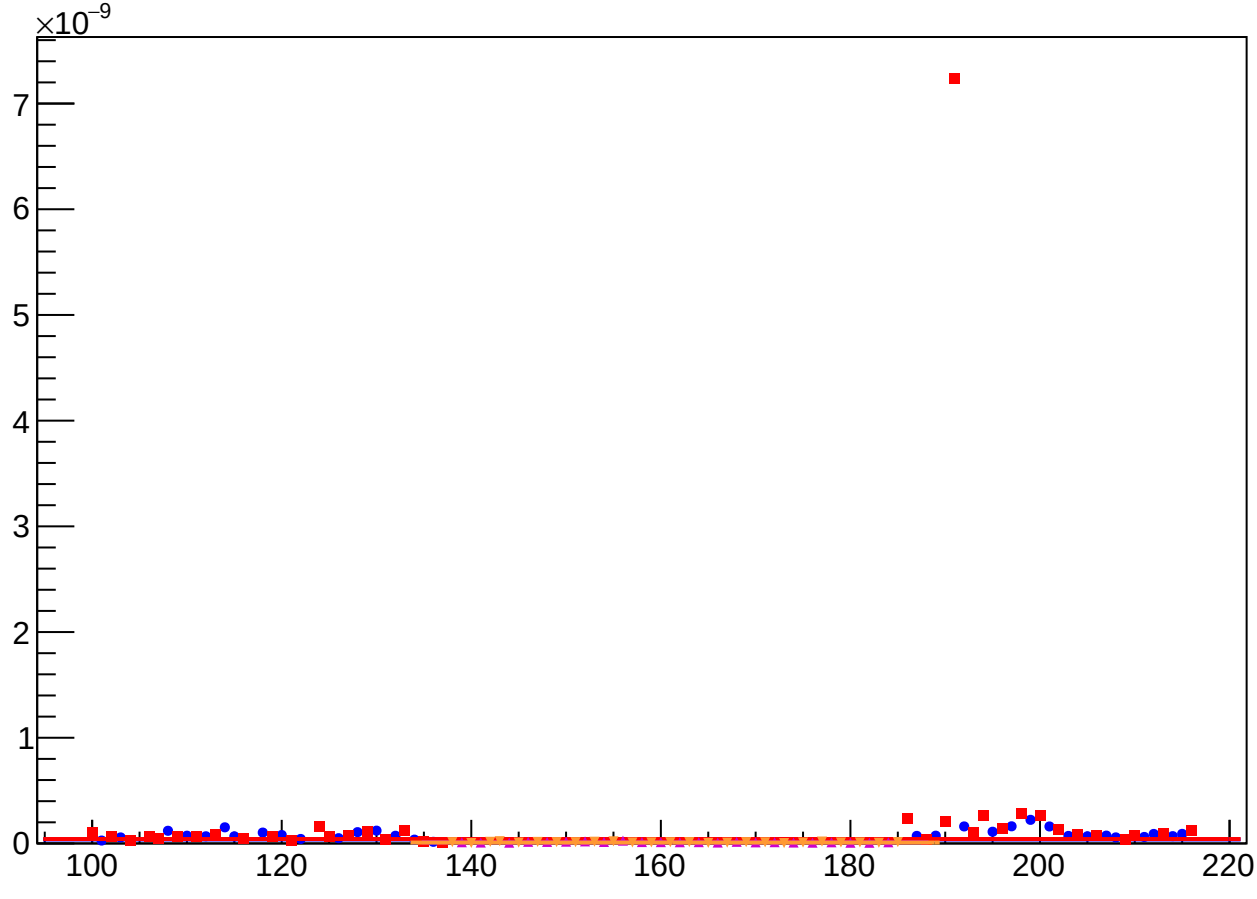
Right: -0.000+/-0.000 χ^2/NDF: 77.6/65

In: 0.000+/-0.000 χ^2/NDF:40.8/53

Out: 0.000+/-0.000 χ^2/NDF:75.3/59

All: 0.000+/-0.000 χ^2/NDF: 116.1/113

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: 7281715.5/34

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

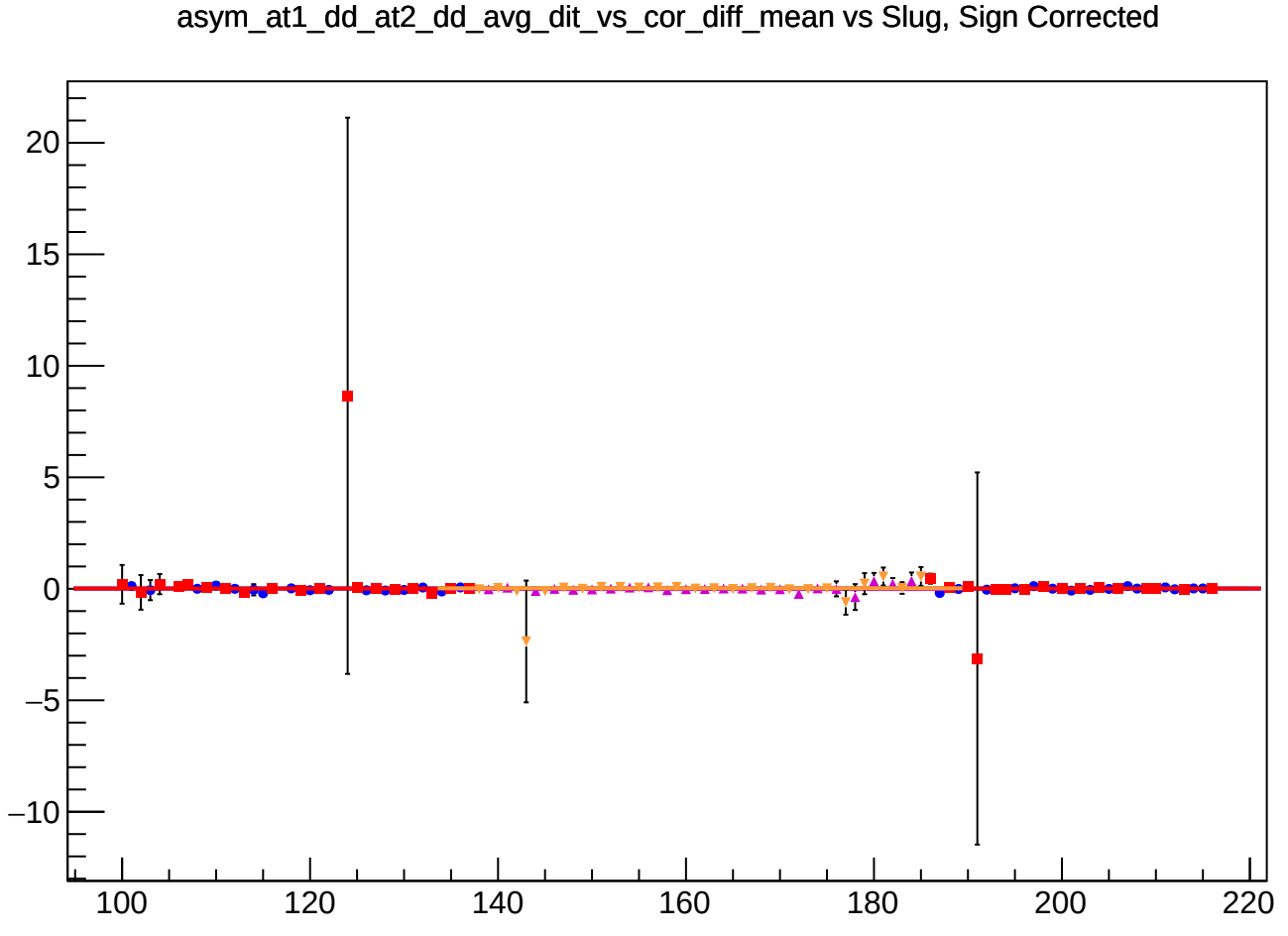
Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14342015.6/65

In: 0.000+/-0.000 χ^2/NDF:13189312.6/53

Out: 0.000+/-0.000 χ^2/NDF:15381211.7/59

All: 0.000+/-0.000 χ^2/NDF: 28923133.7/113



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+/-0.009 χ^2/NDF: 24.1/34

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

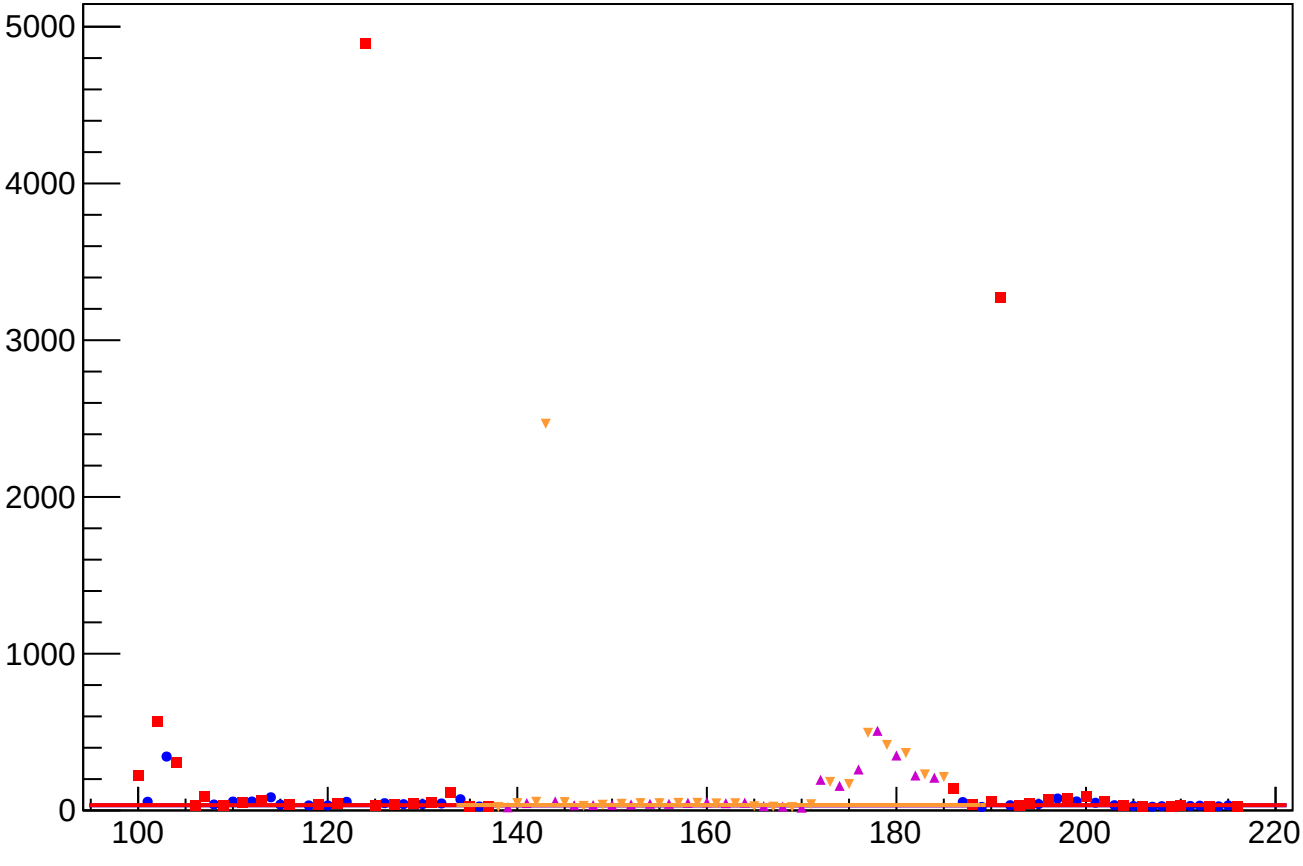
Right: 0.012+/-0.006 χ^2/NDF: 69.1/65

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.017+/-0.007 χ^2/NDF:47.6/59

All: 0.009+/-0.005 χ^2/NDF: 112.5/113

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: 33.892+/-0.006 χ^2/NDF: 6693406.6/34

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

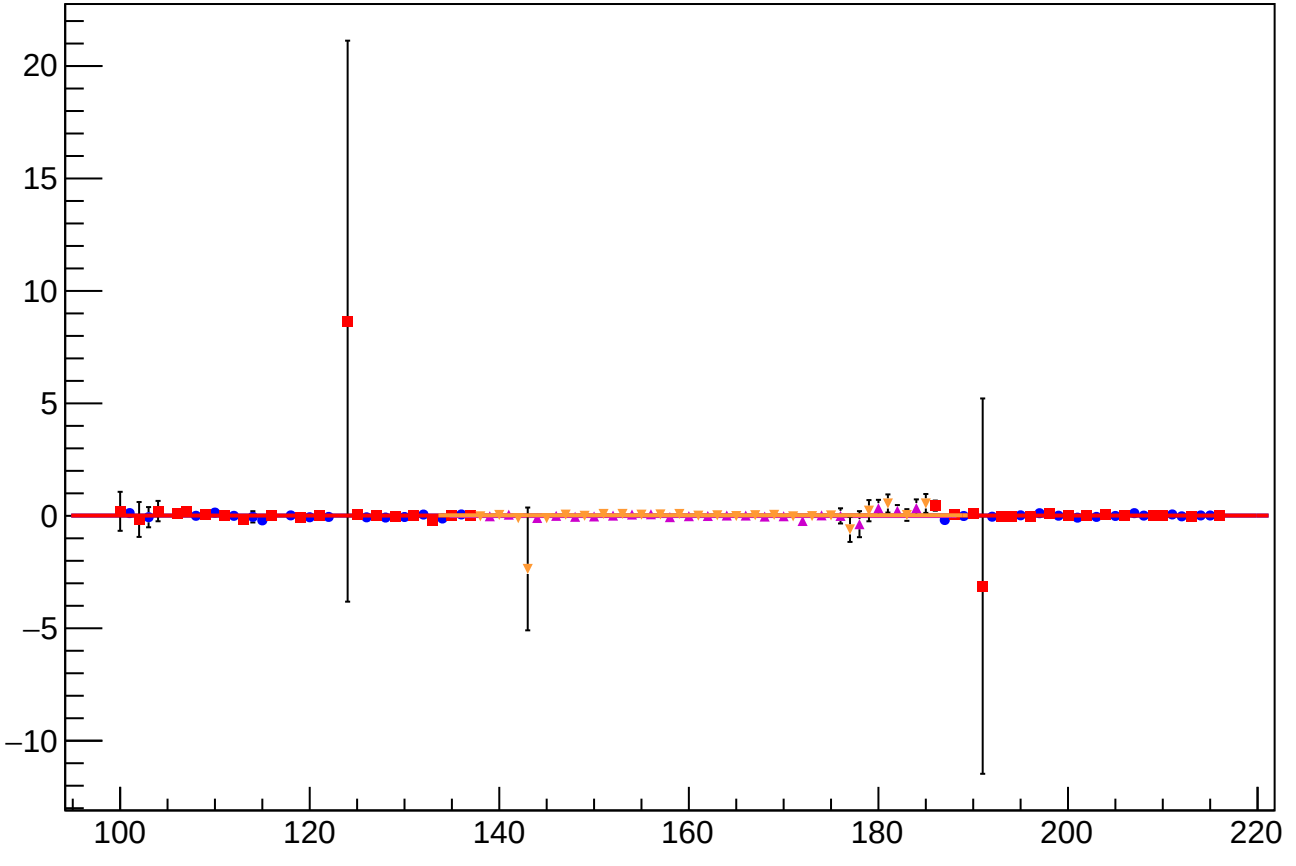
Right: 33.381+/-0.004 χ^2/NDF: 10438542.3/65

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 34.220+/-0.005 χ^2/NDF:18101533.9/59

All: 33.693+/-0.003 χ^2/NDF: 31930232.6/113

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+/-0.009 χ^2/NDF: 24.1/34

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

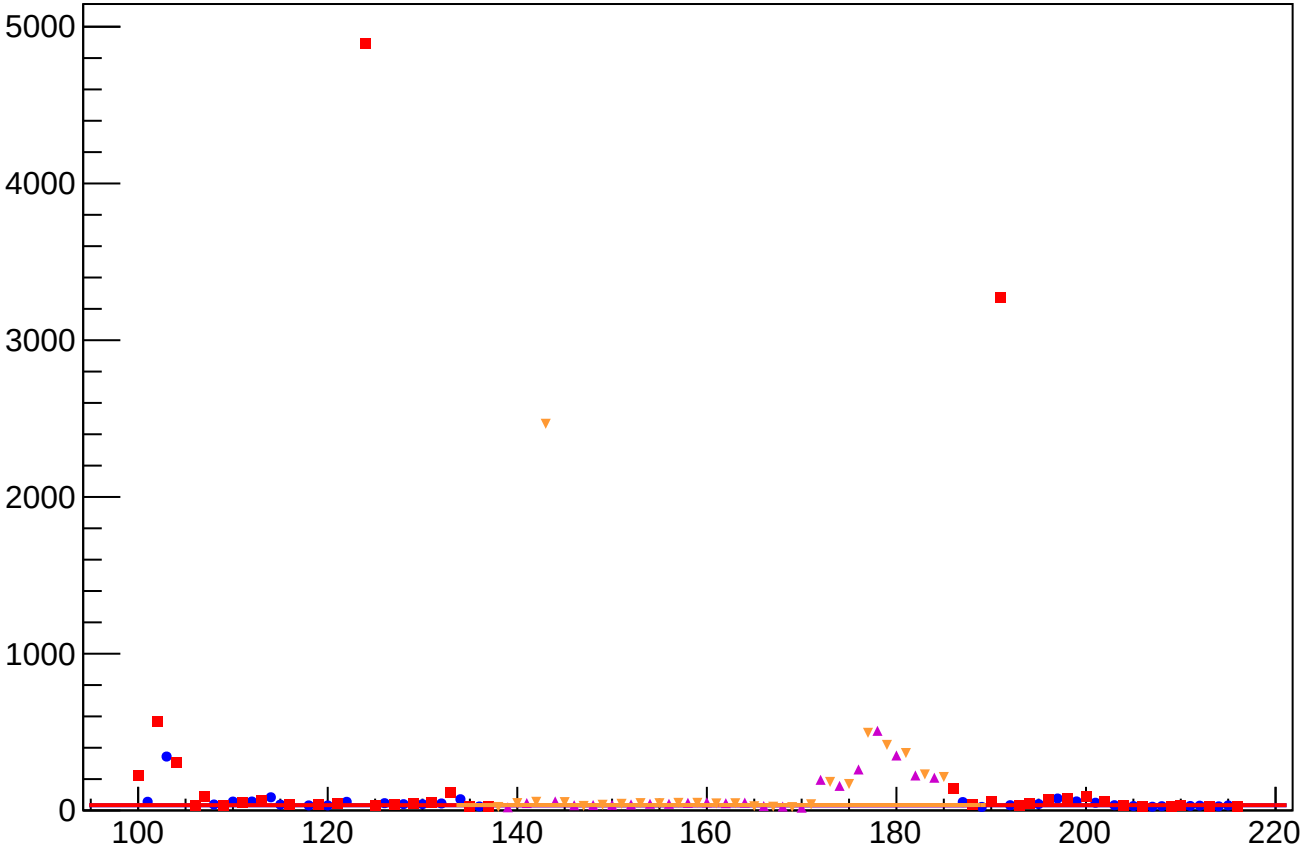
Right: 0.012+/-0.006 χ^2/NDF: 69.1/65

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.017+/-0.007 χ^2/NDF:47.6/59

All: 0.009+/-0.005 χ^2/NDF: 112.5/113

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: 33.892+/-0.006 χ^2/NDF: 6693406.6/34

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

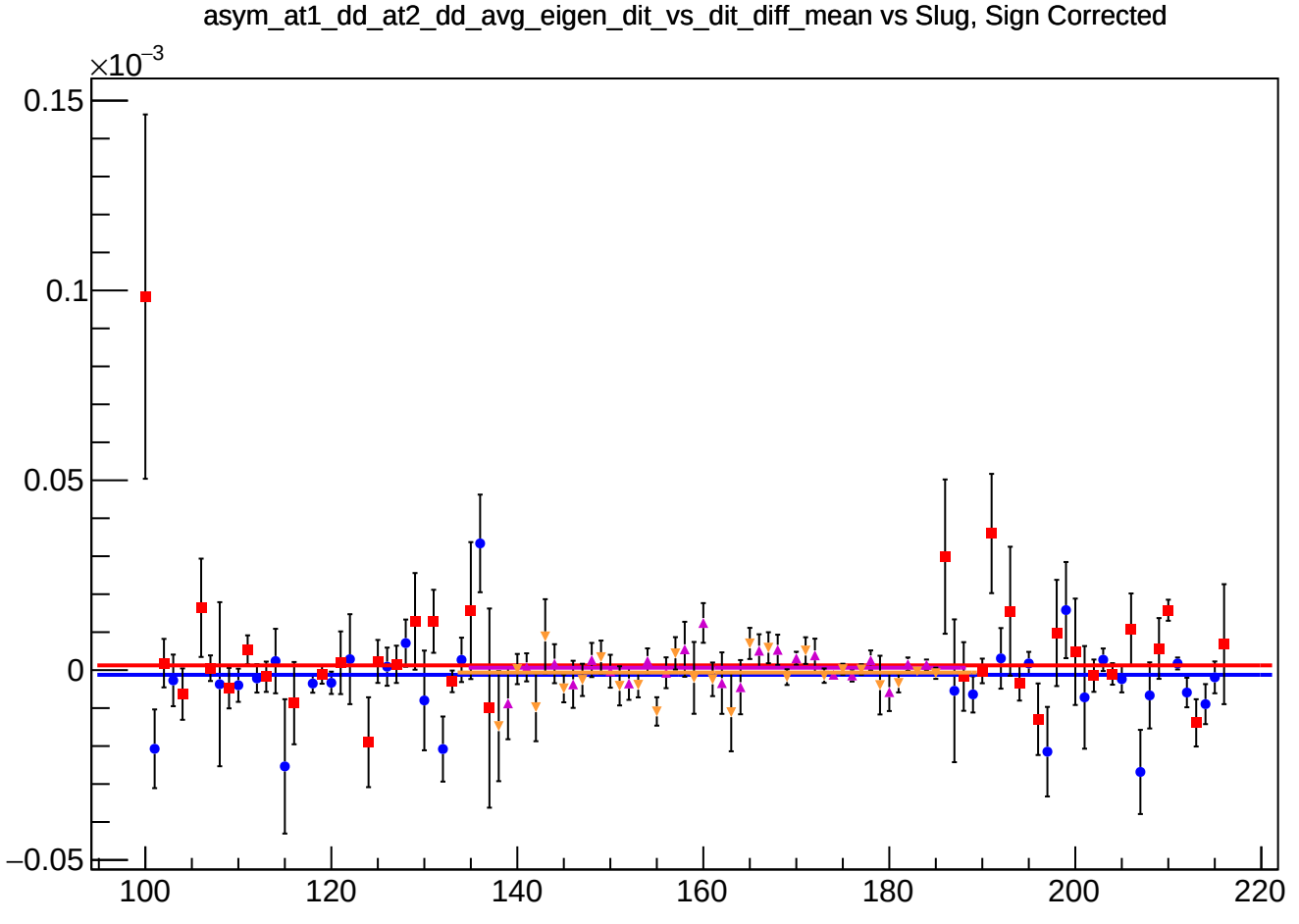
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 33.381+/-0.004 χ^2/NDF: 10438542.3/65

In: 33.214+/-0.005 χ^2/NDF:13805998.9/53

Out: 34.220+/-0.005 χ^2/NDF:18101533.9/59

All: 33.693+/-0.003 χ^2/NDF: 31930232.6/113



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: 67.8/34

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

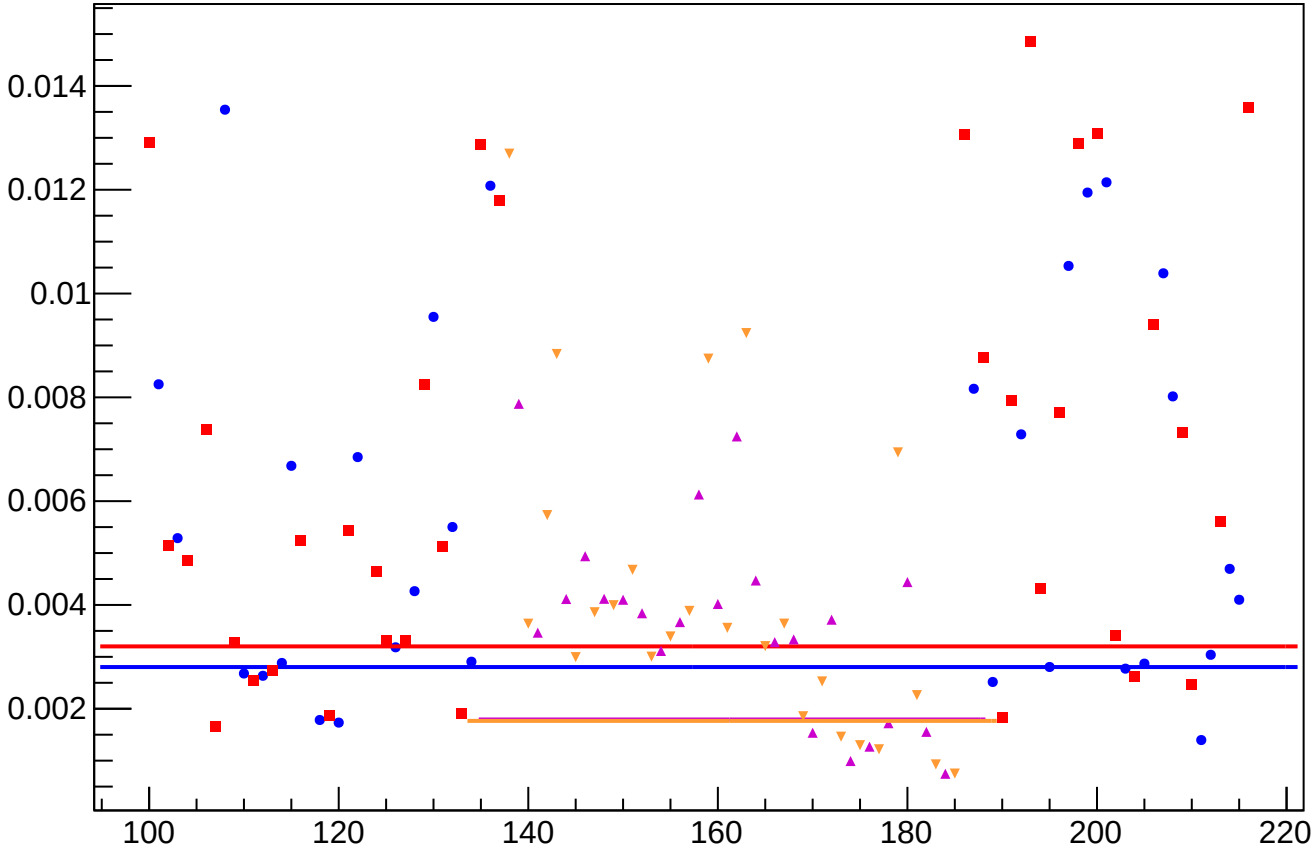
Right: -0.000+/-0.000 χ^2/NDF: 117.2/65

In: 0.000+/-0.000 χ^2/NDF:70.7/53

Out: -0.000+/-0.000 χ^2/NDF:99.6/59

All: -0.000+/-0.000 χ^2/NDF: 170.4/113

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: 11597526.8/34

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

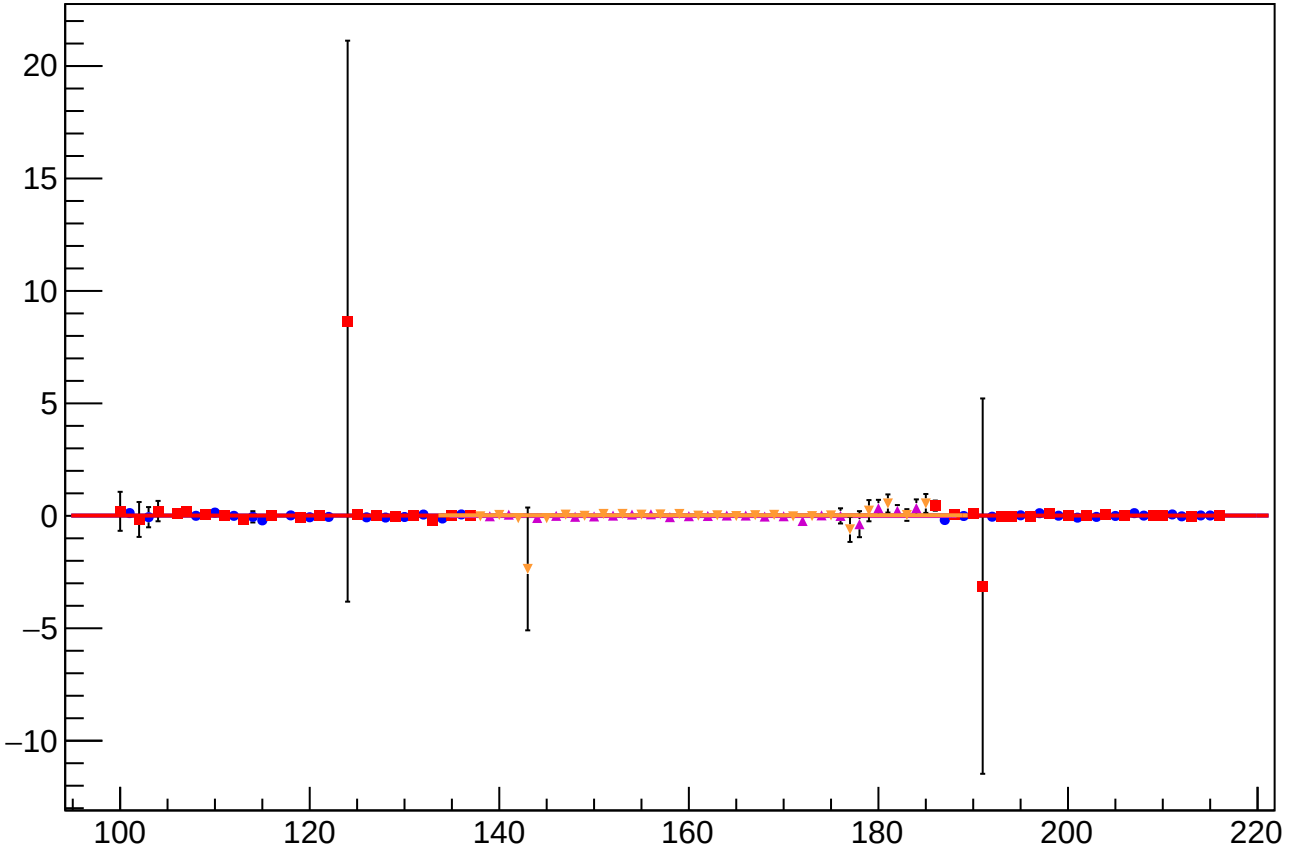
Right: 0.003+/-0.000 χ^2/NDF: 23345335.3/65

In: 0.002+/-0.000 χ^2/NDF:24463265.0/53

Out: 0.002+/-0.000 χ^2/NDF:28465588.0/59

All: 0.002+/-0.000 χ^2/NDF: 52929953.0/113

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+/-0.009 χ^2/NDF: 24.1/34

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

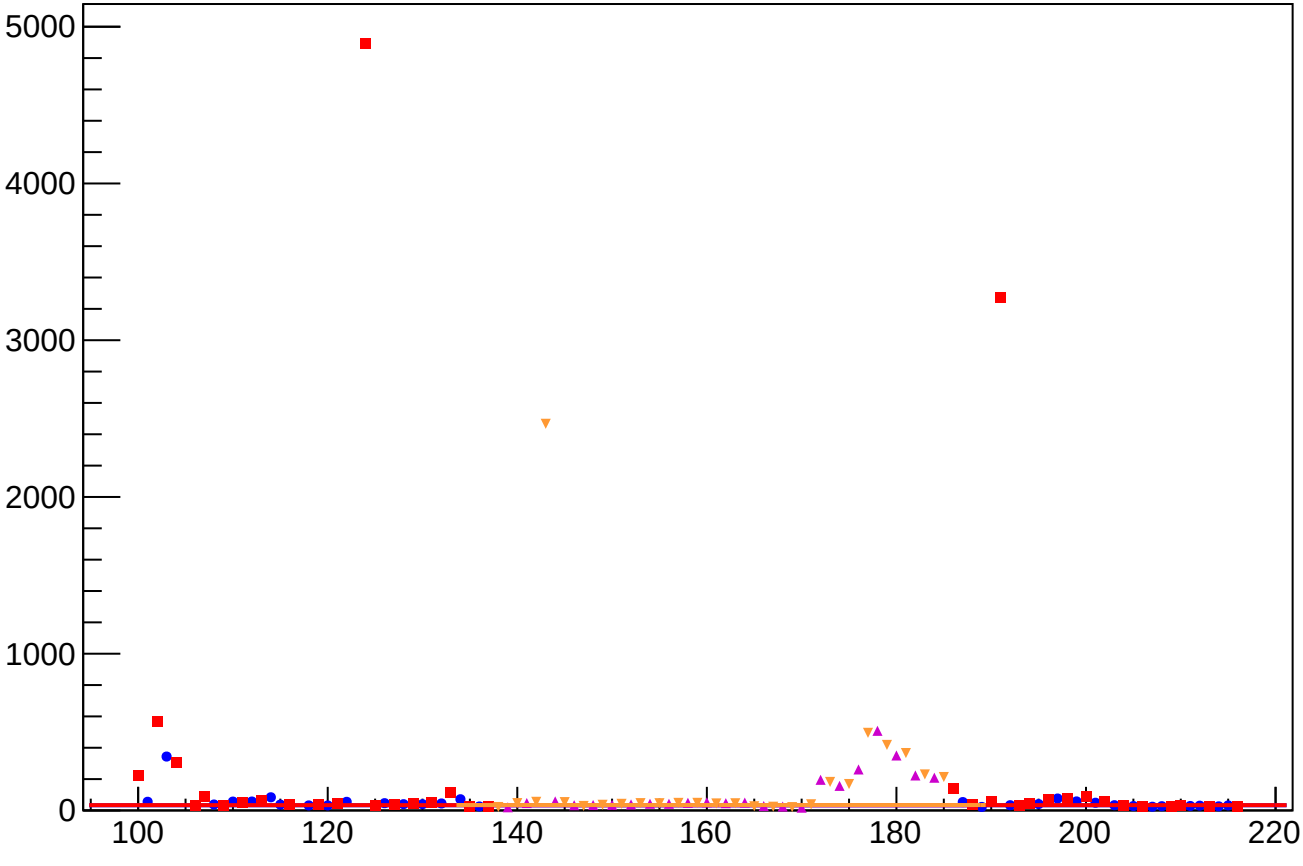
Right: 0.012+/-0.006 χ^2/NDF: 69.1/65

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.017+/-0.007 χ^2/NDF:47.6/59

All: 0.009+/-0.005 χ^2/NDF: 112.5/113

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: 33.893+/-0.006 χ^2/NDF: 6693295.8/34

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

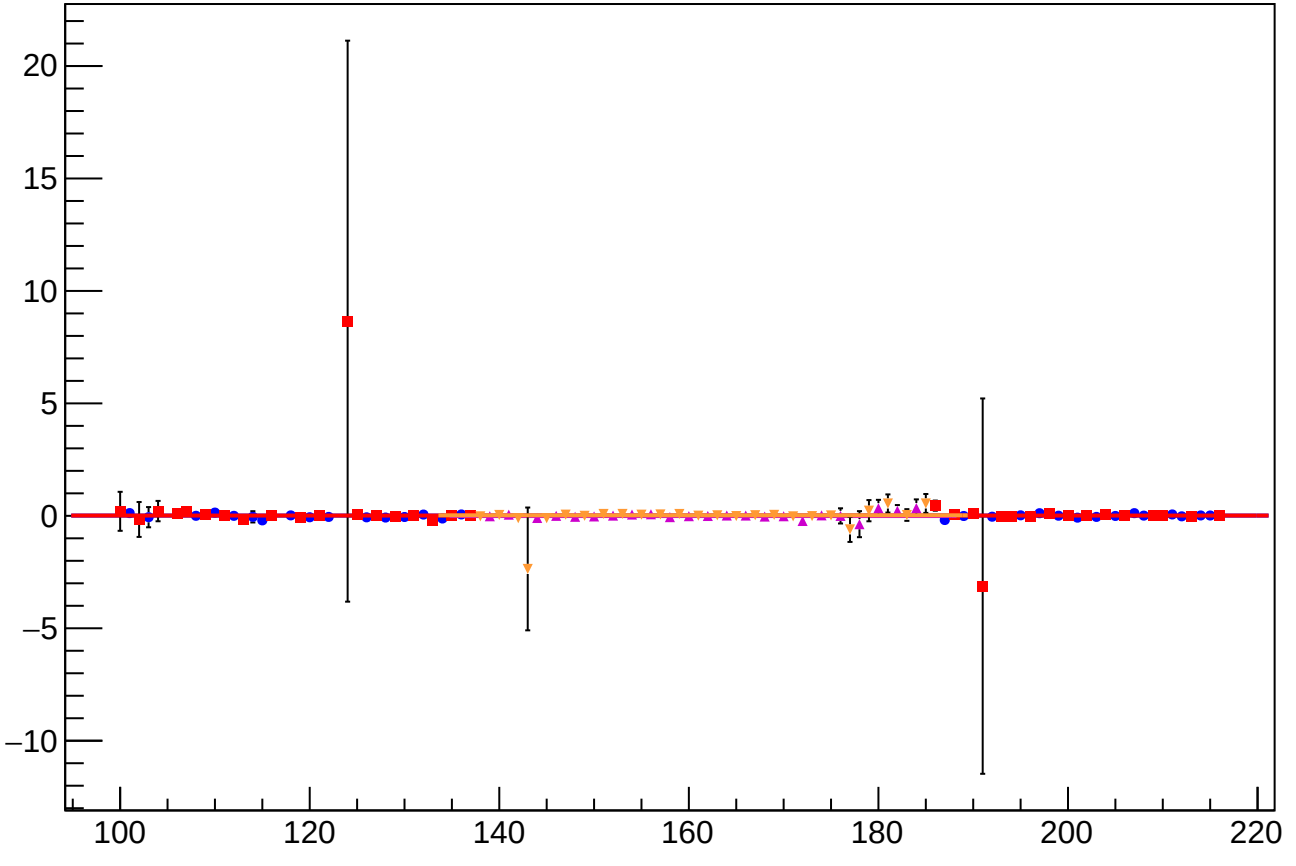
Right: 33.382+/-0.004 χ^2/NDF: 10437148.8/65

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 34.219+/-0.005 χ^2/NDF:18101515.4/59

All: 33.695+/-0.003 χ^2/NDF: 31927591.9/113

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+/-0.009 χ^2/NDF: 24.1/34

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

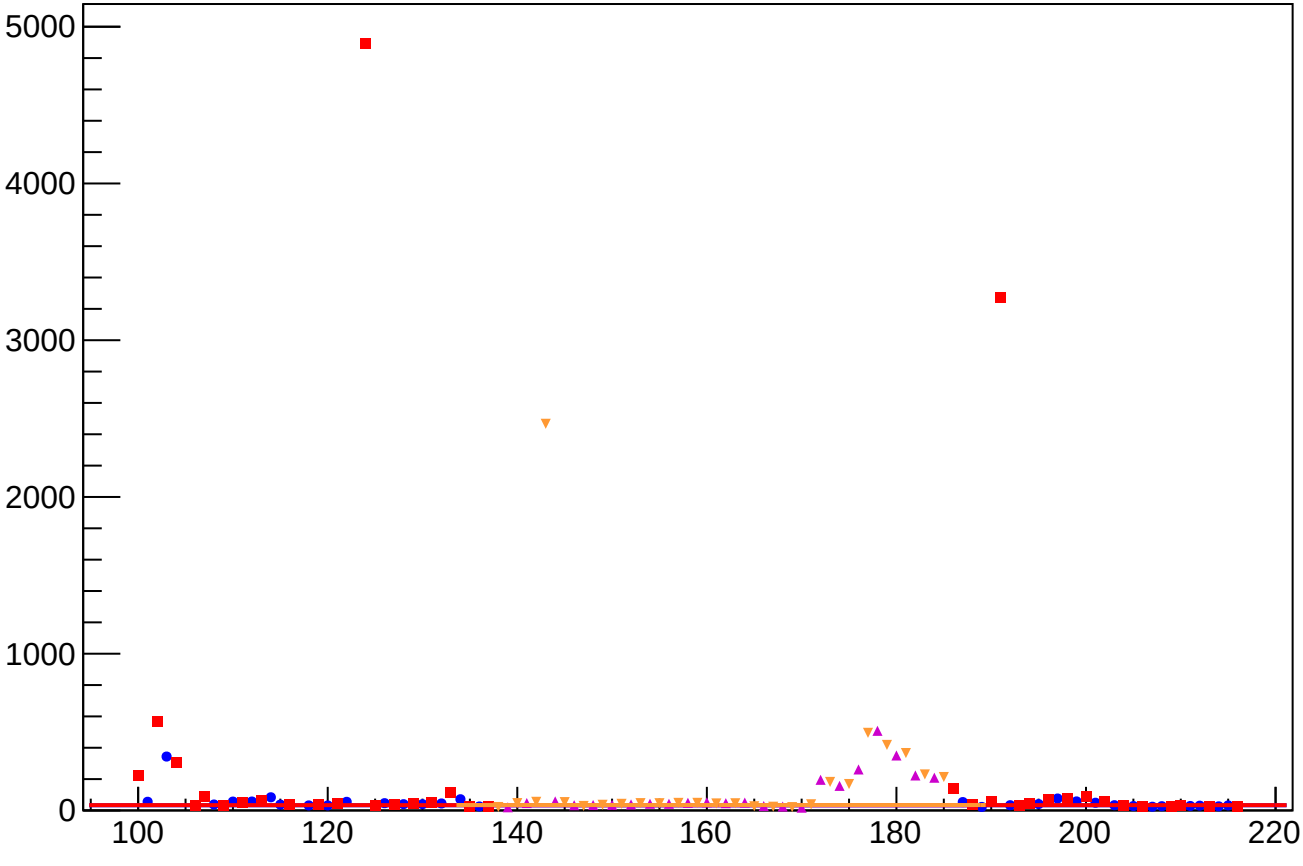
Right: 0.012+/-0.006 χ^2/NDF: 69.1/65

In: 0.002+/-0.007 χ^2/NDF:62.3/53

Out: 0.017+/-0.007 χ^2/NDF:47.6/59

All: 0.009+/-0.005 χ^2/NDF: 112.5/113

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: 33.893+/-0.006 χ^2/NDF: 6693295.8/34

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

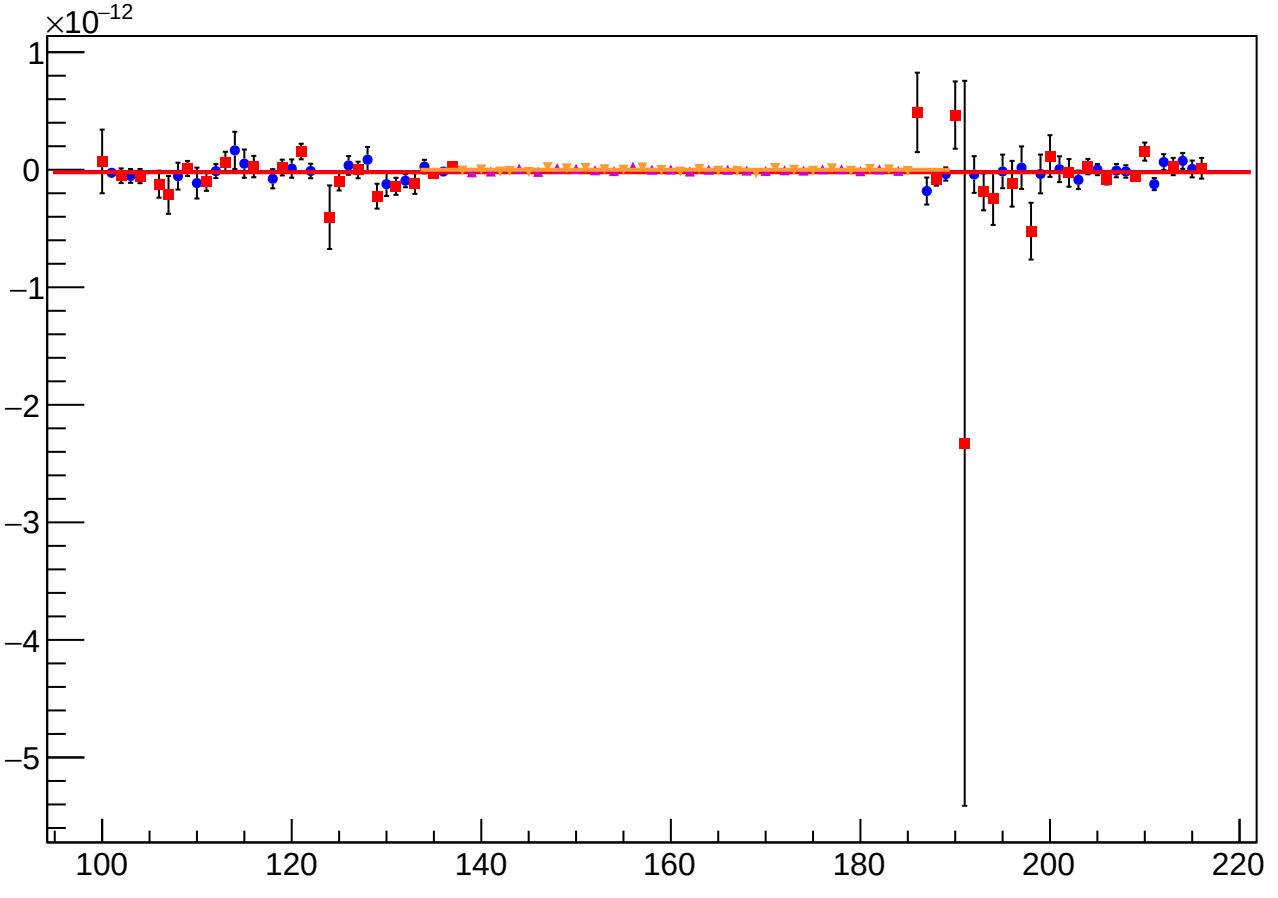
Right: 33.382+/-0.004 χ^2/NDF: 10437148.8/65

In: 33.216+/-0.005 χ^2/NDF:13803492.0/53

Out: 34.219+/-0.005 χ^2/NDF:18101515.4/59

All: 33.695+/-0.003 χ^2/NDF: 31927591.9/113

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 50.7/34

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

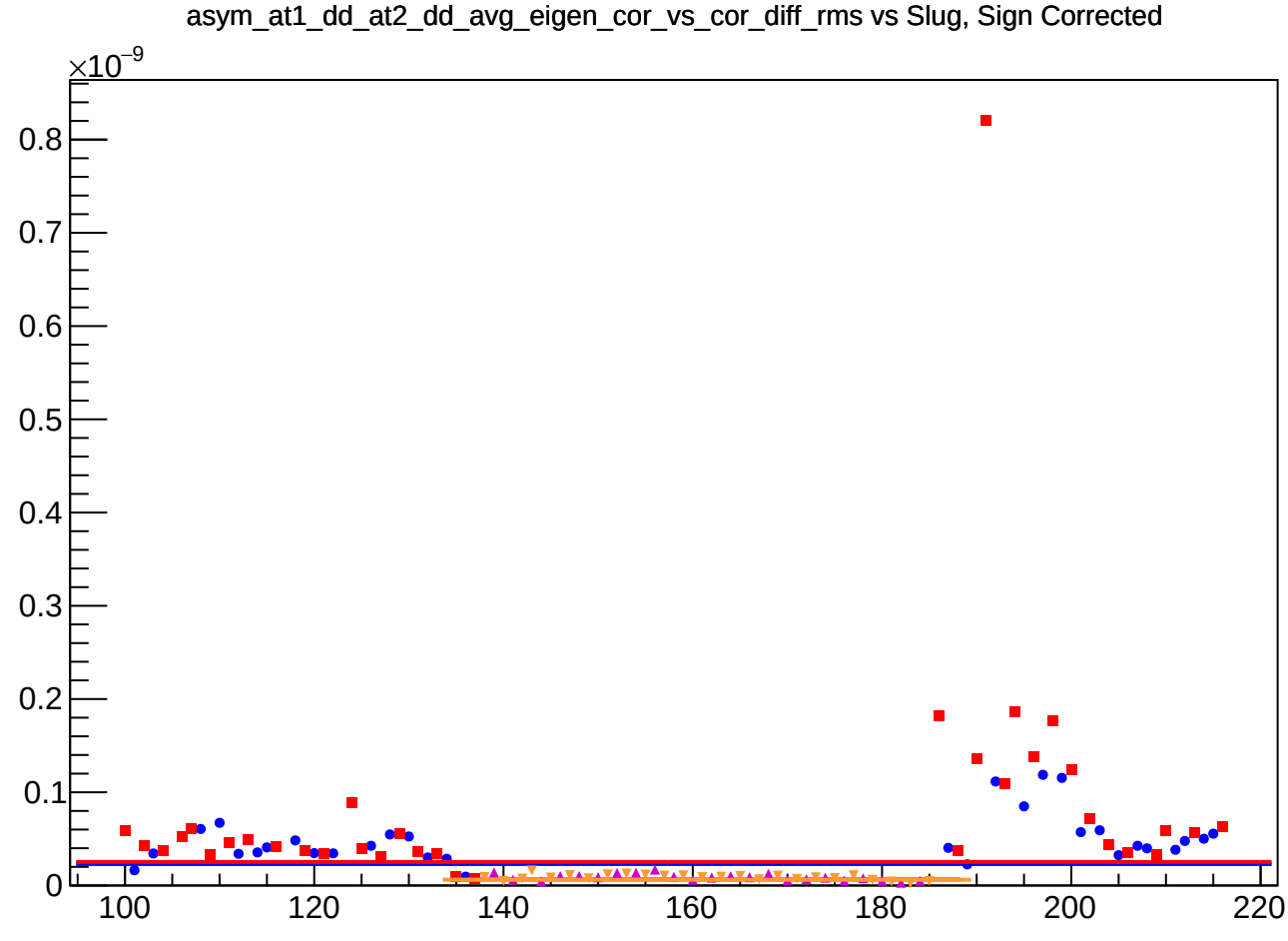
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 69.9/65

In: -0.000+/-0.000 χ^2/NDF:42.6/53

Out: -0.000+/-0.000 χ^2/NDF:81.2/59

All: -0.000+/-0.000 χ^2/NDF: 124.3/113



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: 10867383.2/34

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

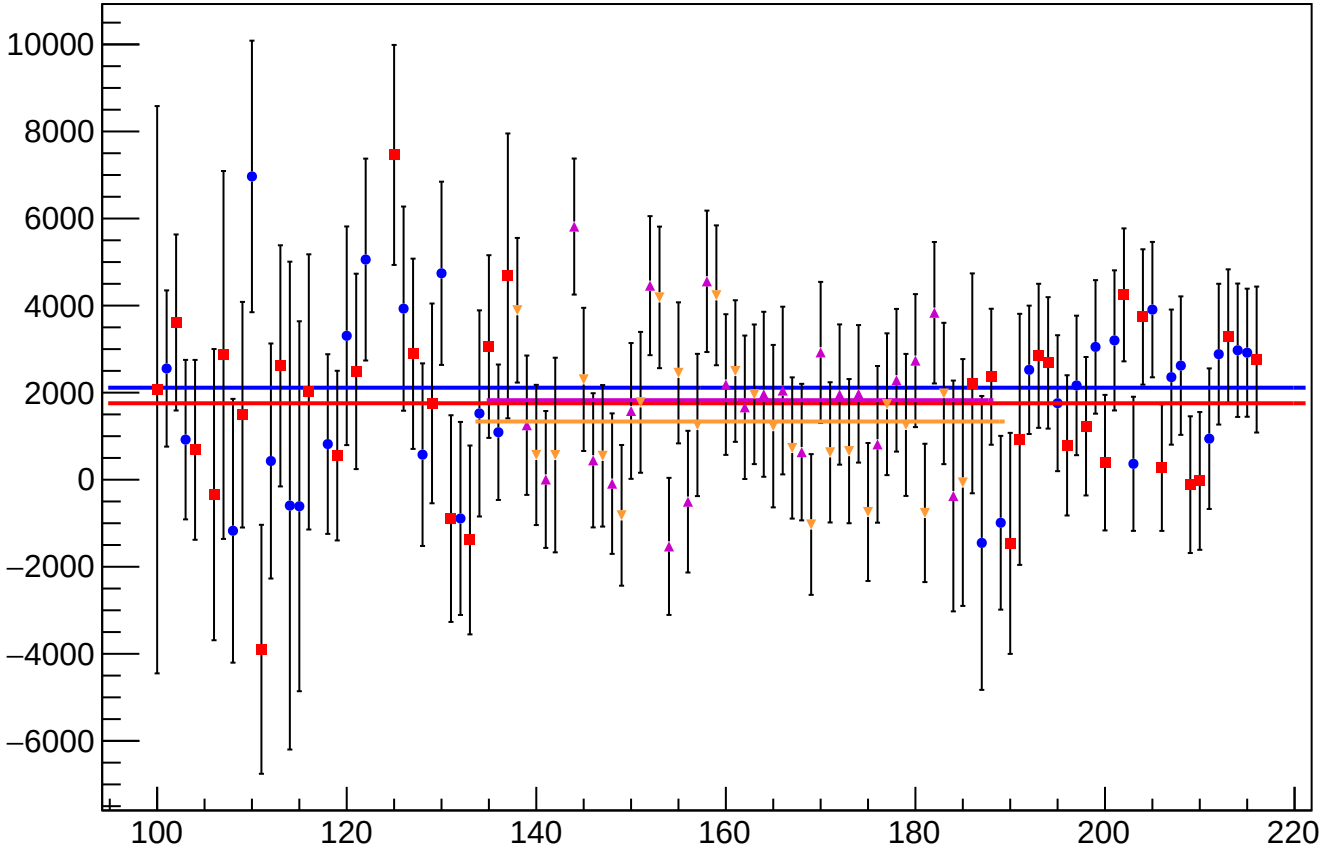
Right: 0.000+/-0.000 χ^2/NDF: 19458521.0/65

In: 0.000+/-0.000 χ^2/NDF:19371915.8/53

Out: 0.000+/-0.000 χ^2/NDF:23333734.7/59

All: 0.000+/-0.000 χ^2/NDF: 42748715.6/113

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



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: 1756.140+/-340.640 χ^2/NDF: 29.3/33

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

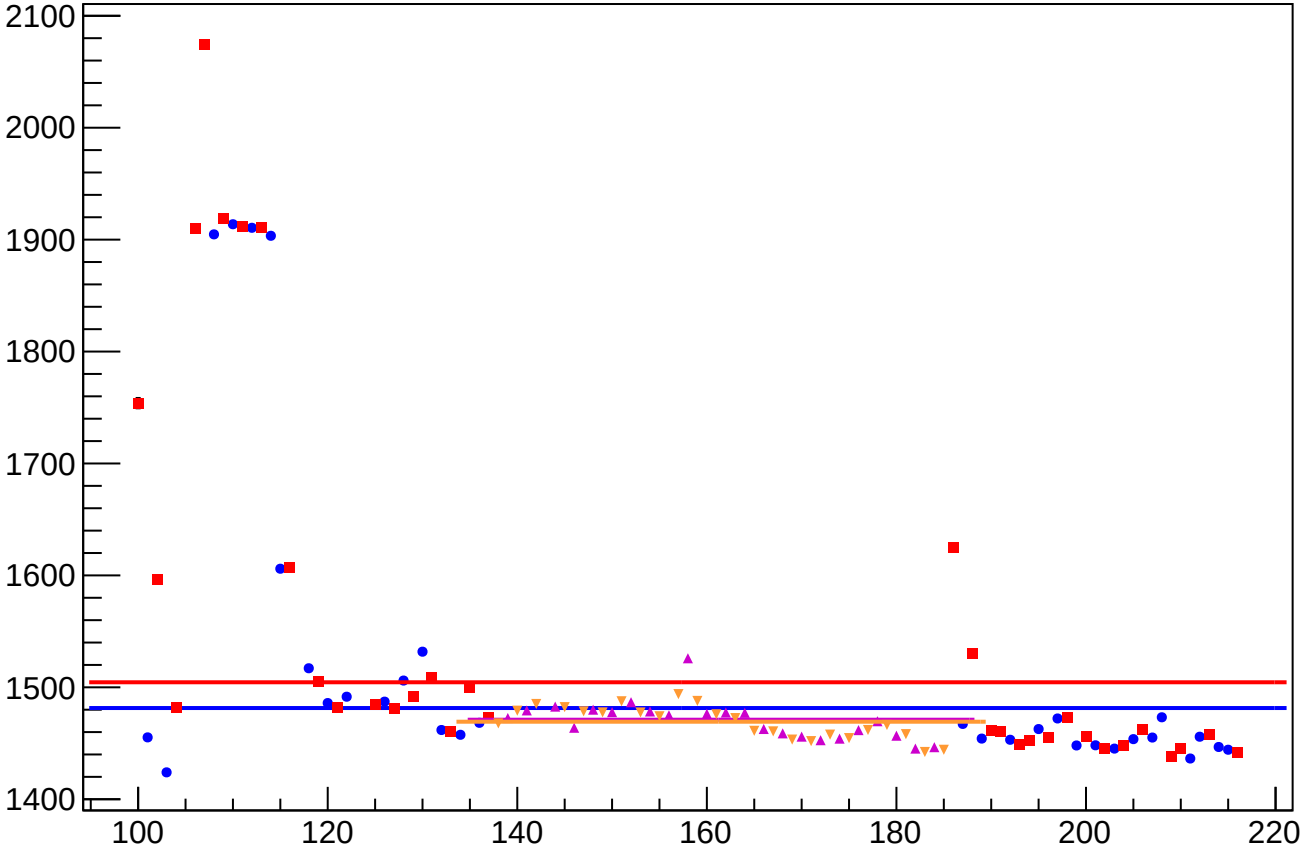
Right: 1936.416+/-239.868 χ^2/NDF: 50.8/64

In: 1972.546+/-240.854 χ^2/NDF:47.8/53

Out: 1546.803+/-241.000 χ^2/NDF:49.2/57

All: 1759.804+/-170.361 χ^2/NDF: 98.6/111

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: 1504.502+/-0.241 χ^2/NDF: 245327.9/33

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

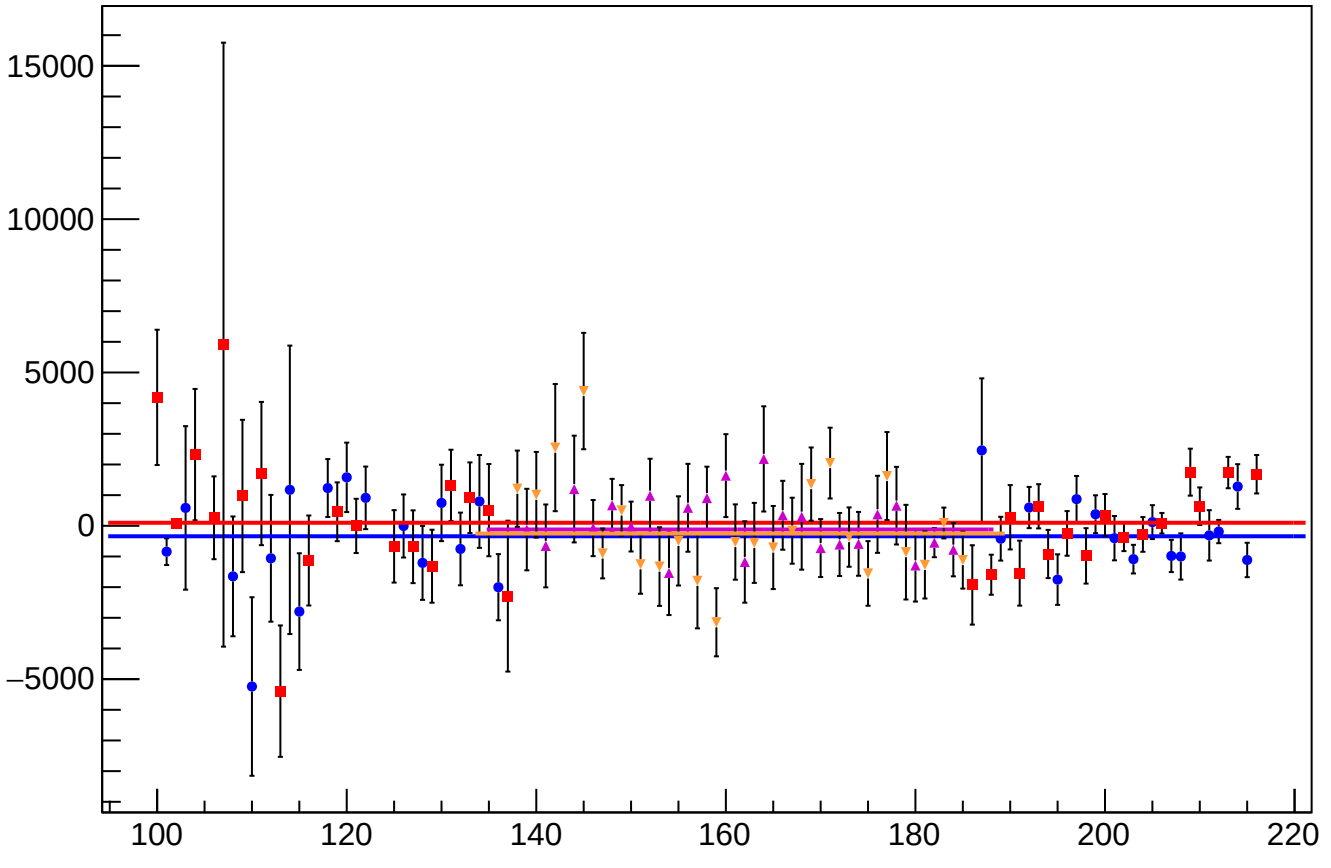
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1492.901+/-0.170 χ^2/NDF: 405961.0/64

In: 1476.359+/-0.170 χ^2/NDF:161612.7/53

Out: 1486.904+/-0.170 χ^2/NDF:259171.0/57

All: 1481.628+/-0.120 χ^2/NDF: 422699.3/111



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: 99.953+/-98.828 χ^2/NDF: 57.0/33

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

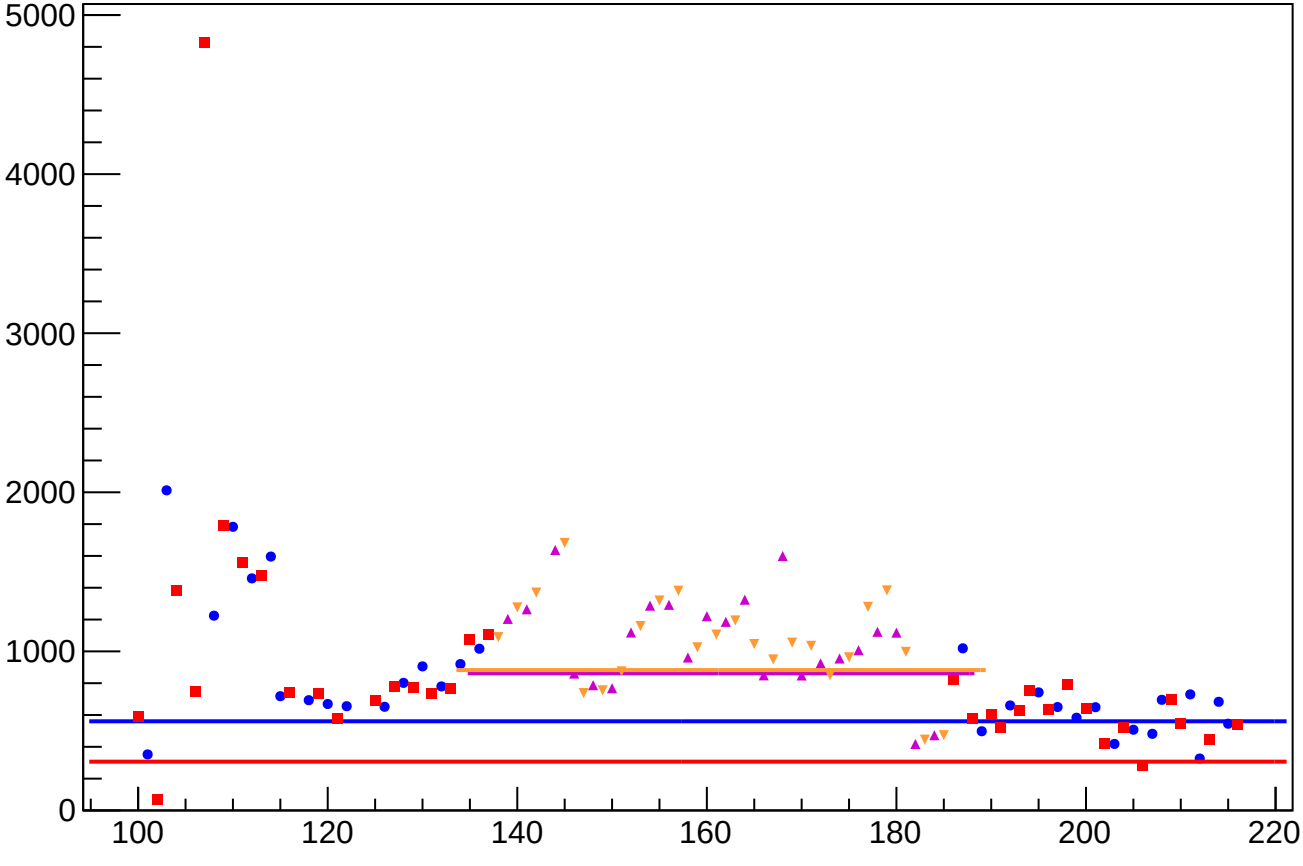
Right: -49.185+/-80.398 χ^2/NDF: 104.8/64

In: -276.735+/-116.439 χ^2/NDF:54.6/53

Out: 40.187+/-90.036 χ^2/NDF:91.9/57

All: -78.401+/-71.226 χ^2/NDF: 151.1/111

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: 306.684+/-0.070 χ^2/NDF: 16980736.8/33

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

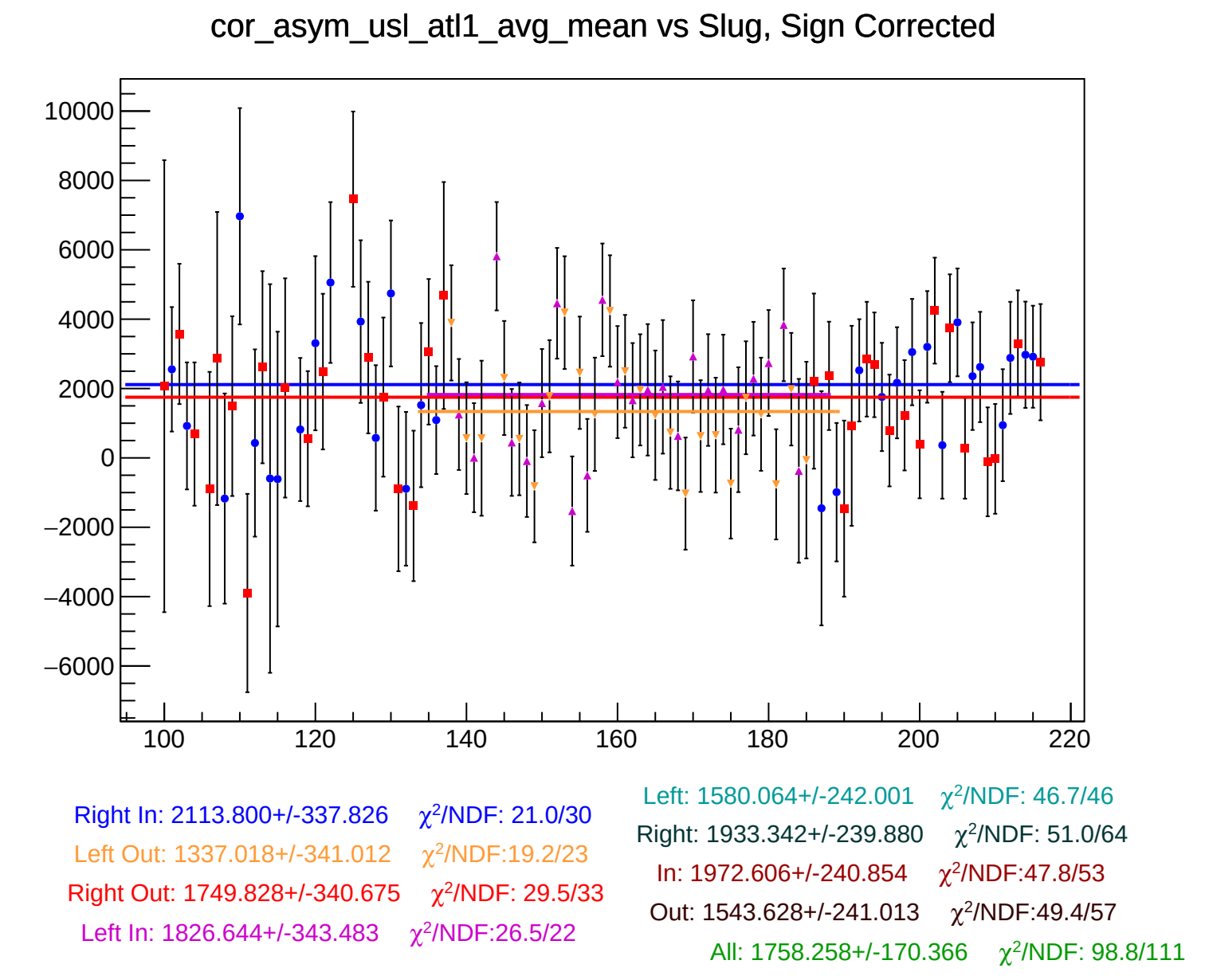
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 392.494+/-0.057 χ^2/NDF: 25936354.0/64

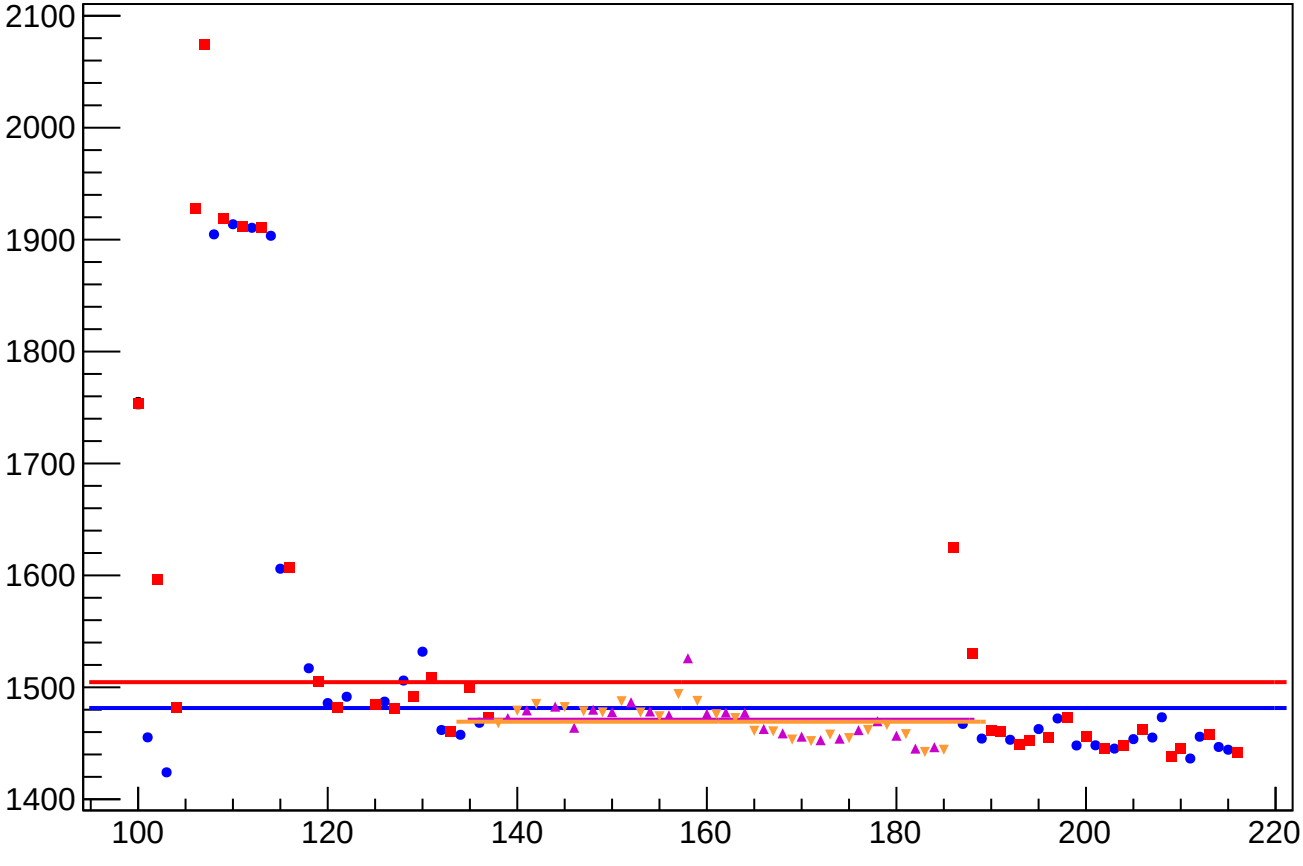
In: 648.164+/-0.082 χ^2/NDF:11638207.9/53

Out: 404.562+/-0.064 χ^2/NDF:32421489.7/57

All: 495.714+/-0.050 χ^2/NDF: 49537957.1/11


cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: 2113.800+/-337.826 χ²/NDF: 21.0/30
Left Out: 1337.018+/-341.012 χ²/NDF:19.2/23
Right Out: 1749.828+/-340.675 χ²/NDF: 29.5/33
Left In: 1826.644+/-343.483 χ²/NDF:26.5/22
Left: 1580.064+/-242.001 χ²/NDF: 46.7/46
Right: 1933.342+/-239.880 χ²/NDF: 51.0/64
In: 1972.606+/-240.854 χ²/NDF:47.8/53
Out: 1543.628+/-241.013 χ²/NDF:49.4/57
All: 1758.258+/-170.366 χ²/NDF: 98.8/111

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: 1504.613+/-0.241 χ^2/NDF: 247450.1/33

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

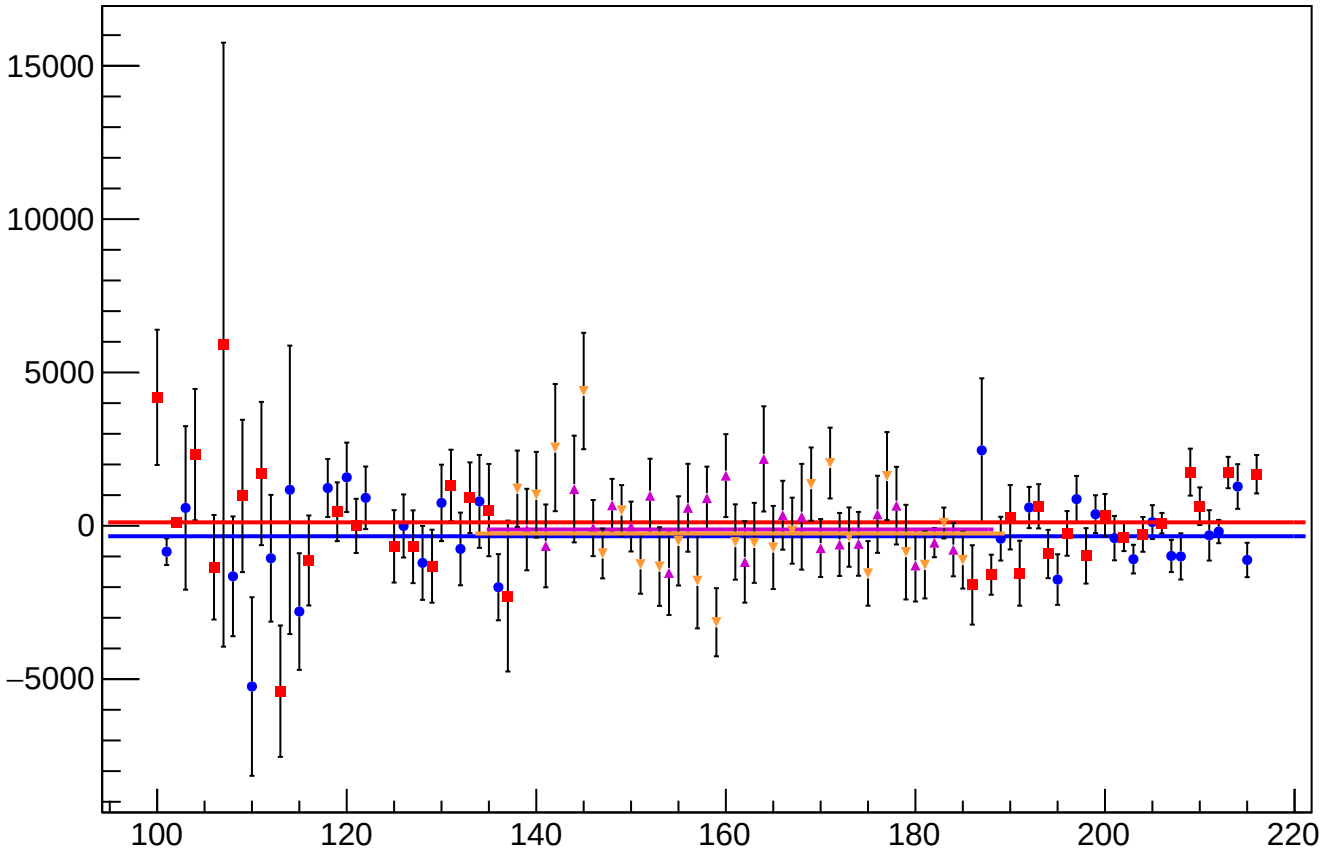
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1492.955+/-0.170 χ^2/NDF: 408127.4/64

In: 1476.359+/-0.170 χ^2/NDF:161612.6/53

Out: 1486.958+/-0.170 χ^2/NDF:261359.8/57

All: 1481.655+/-0.120 χ^2/NDF: 424907.6/111



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: 113.167+/-103.436 χ^2/NDF: 57.7/33

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

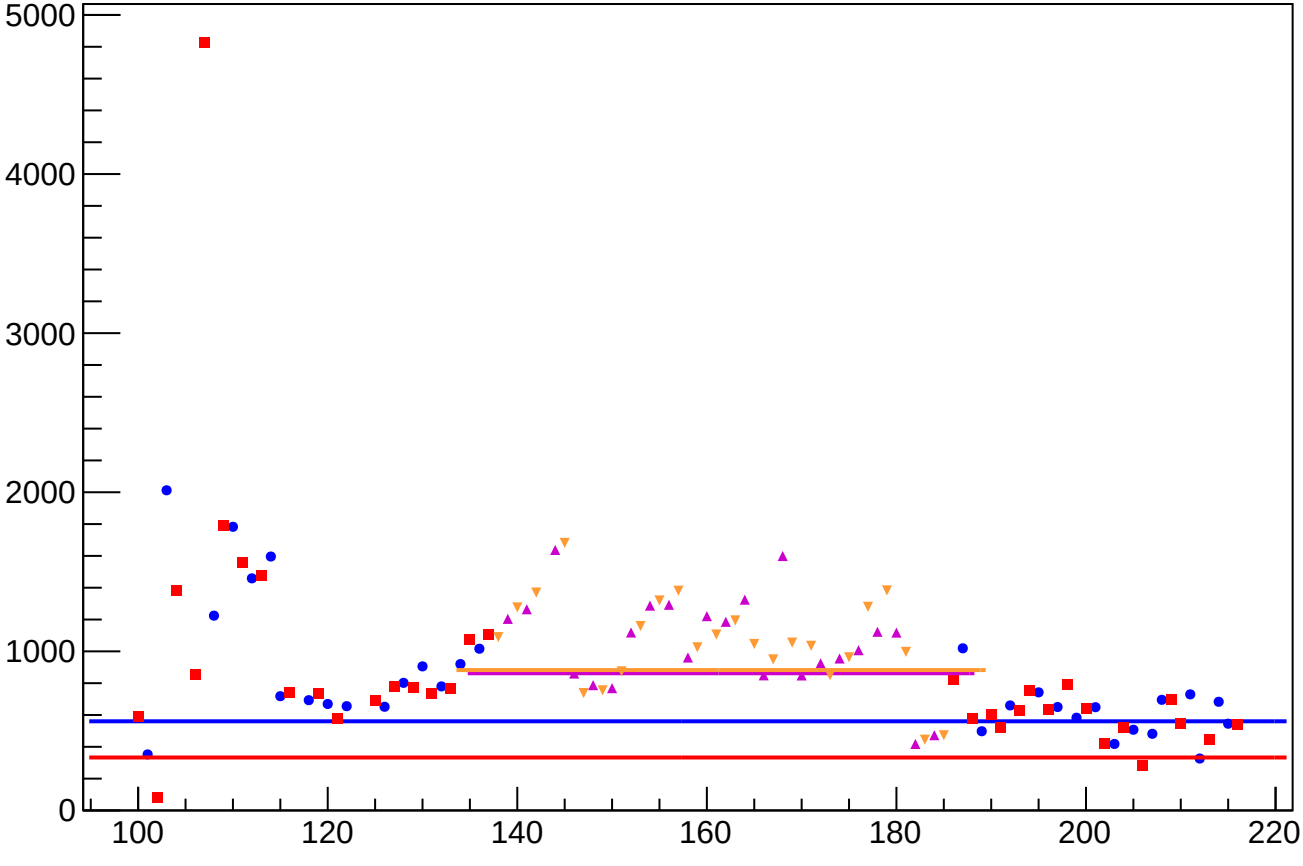
Right: -49.845+/-82.821 χ^2/NDF: 105.6/64

In: -276.758+/-116.437 χ^2/NDF:54.6/53

Out: 46.324+/-93.479 χ^2/NDF:92.6/57

All: -80.300+/-72.894 χ^2/NDF: 151.9/111

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



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: 332.967+/-0.073 χ^2/NDF: 15452905.0/33

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

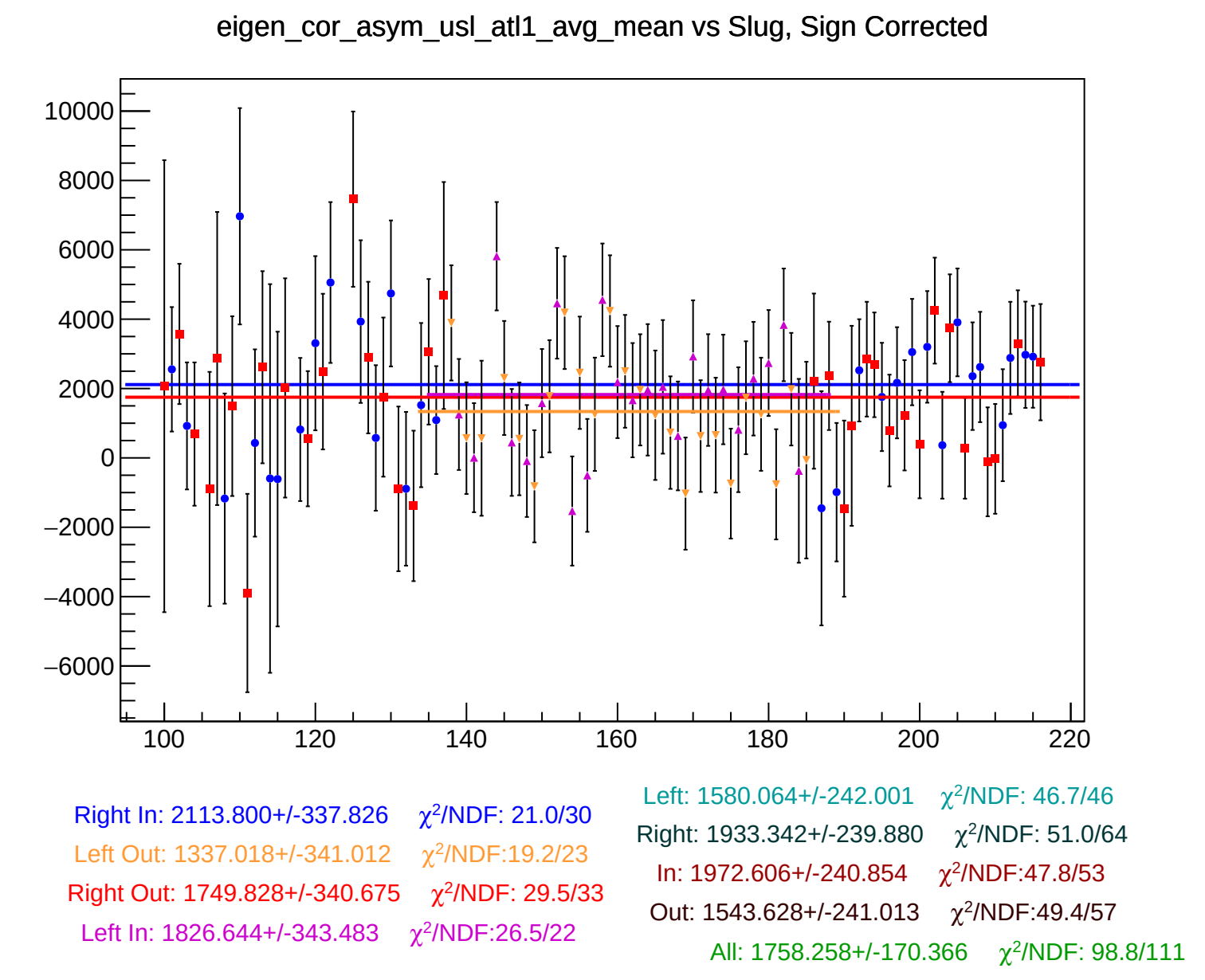
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

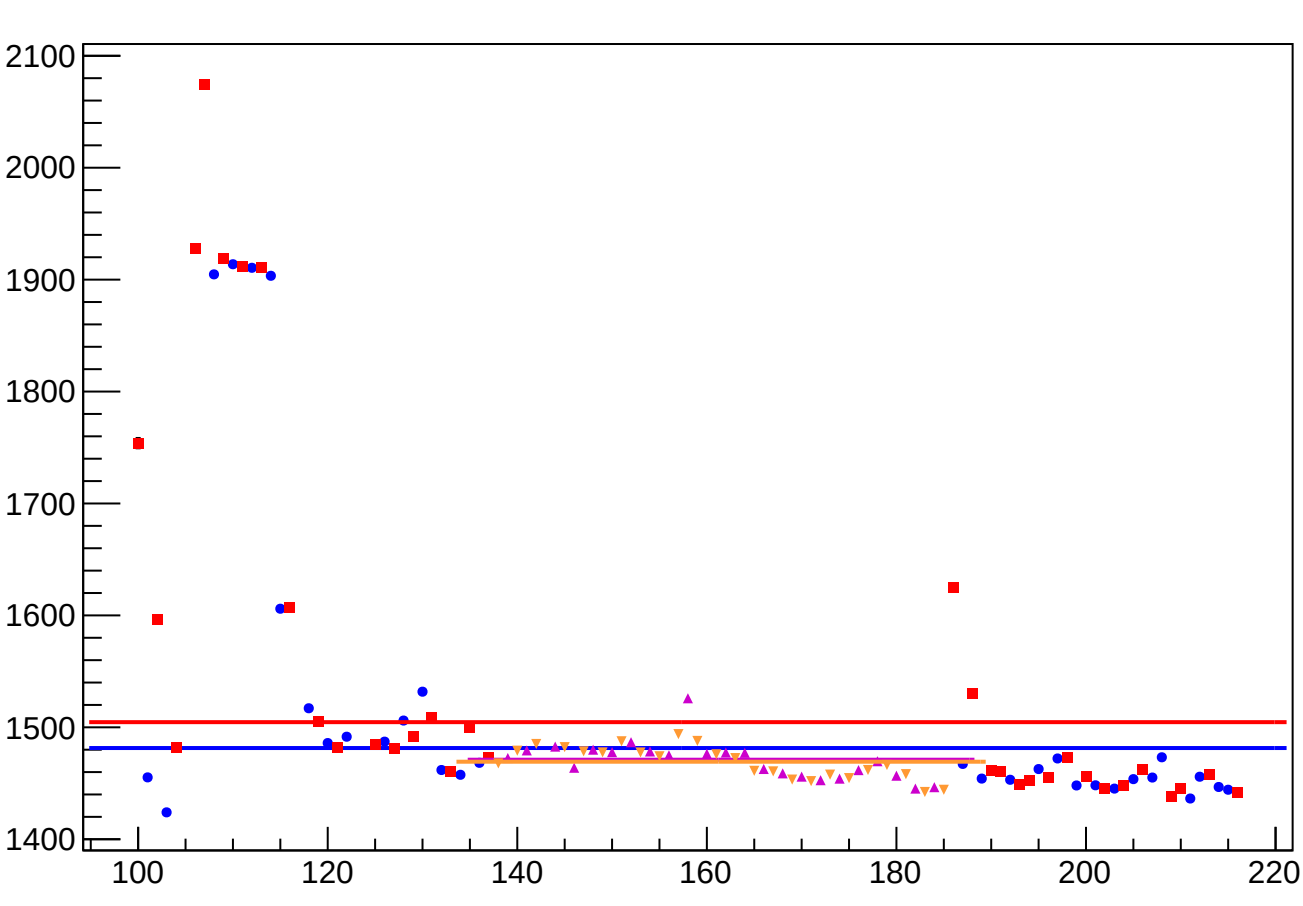
Right: 414.590+/-0.059 χ^2/NDF: 23420844.2/64

In: 648.150+/-0.082 χ^2/NDF:11639123.1/53

Out: 433.656+/-0.066 χ^2/NDF:29696441.5/57

All: 517.721+/-0.052 χ^2/NDF: 45462592.8/11


eigen_cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: 2113.800+/-337.826 χ²/NDF: 21.0/30
Left Out: 1337.018+/-341.012 χ²/NDF:19.2/23
Right Out: 1749.828+/-340.675 χ²/NDF: 29.5/33
Left In: 1826.644+/-343.483 χ²/NDF:26.5/22
Left: 1580.064+/-242.001 χ²/NDF: 46.7/46
Right: 1933.342+/-239.880 χ²/NDF: 51.0/64
In: 1972.606+/-240.854 χ²/NDF:47.8/53
Out: 1543.628+/-241.013 χ²/NDF:49.4/57
All: 1758.258+/-170.366 χ²/NDF: 98.8/111



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: 1504.613+/-0.241 χ^2/NDF: 247450.1/33

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

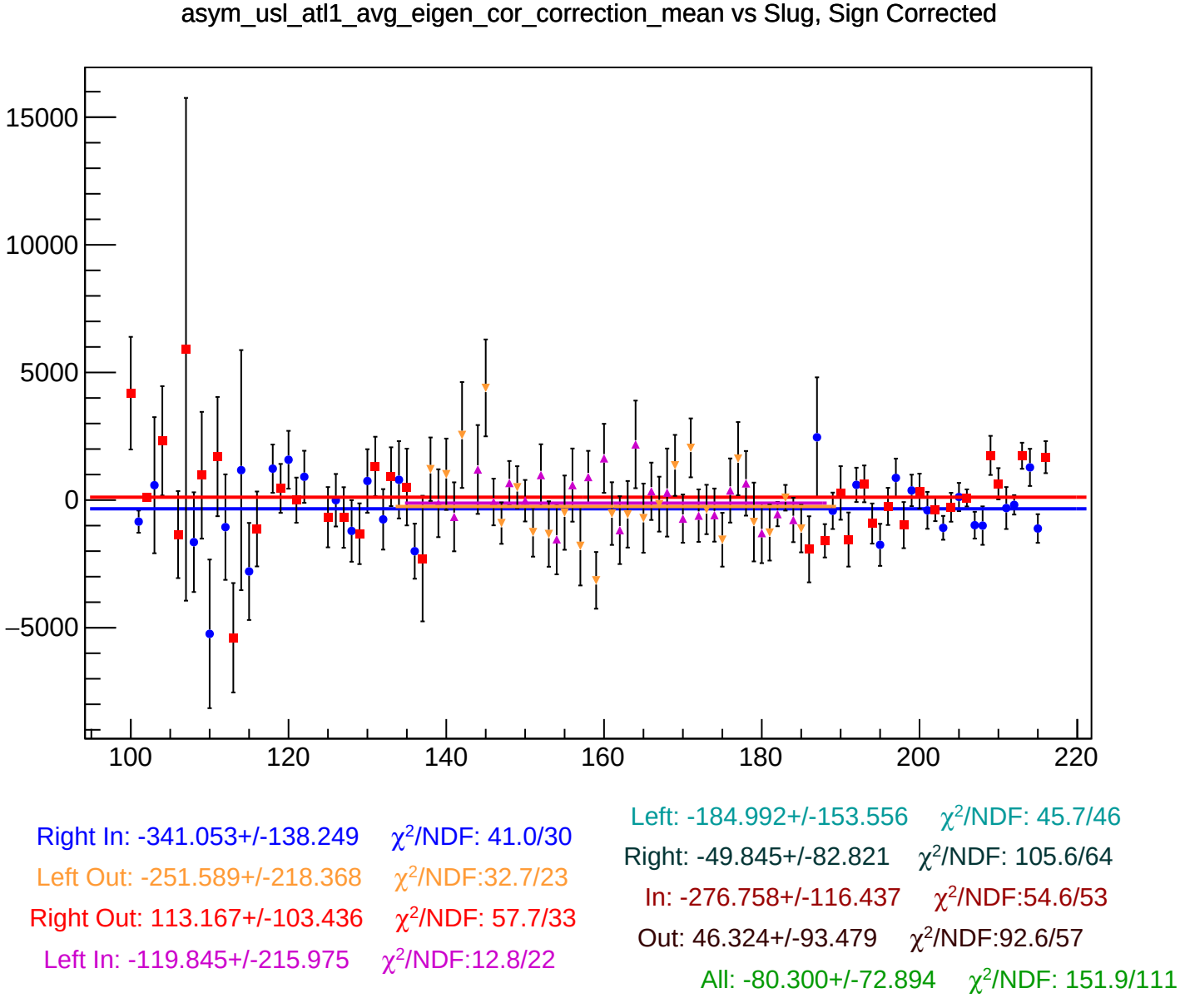
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1492.955+/-0.170 χ^2/NDF: 408127.4/64

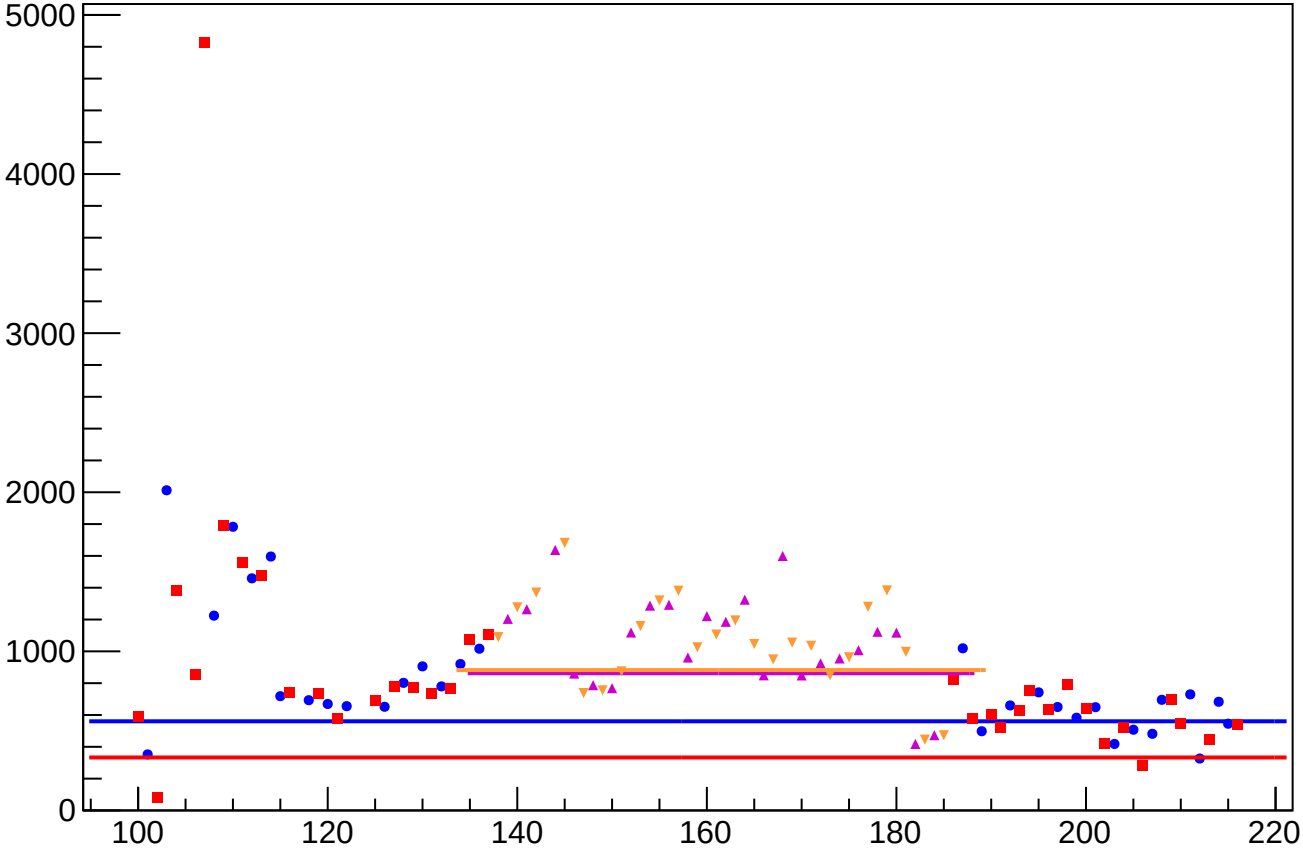
In: 1476.359+/-0.170 χ^2/NDF:161612.6/53

Out: 1486.958+/-0.170 χ^2/NDF:261359.8/57

All: 1481.655+/-0.120 χ^2/NDF: 424907.6/111


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: 113.167+/-103.436 χ²/NDF: 57.7/33
Left In: -119.845+/-215.975 χ²/NDF:12.8/22
Left: -184.992+/-153.556 χ²/NDF: 45.7/46
Right: -49.845+/-82.821 χ²/NDF: 105.6/64
In: -276.758+/-116.437 χ²/NDF:54.6/53
Out: 46.324+/-93.479 χ²/NDF:92.6/57
All: -80.300+/-72.894 χ²/NDF: 151.9/111

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 332.967+/-0.073 χ^2/NDF: 15452905.0/33

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

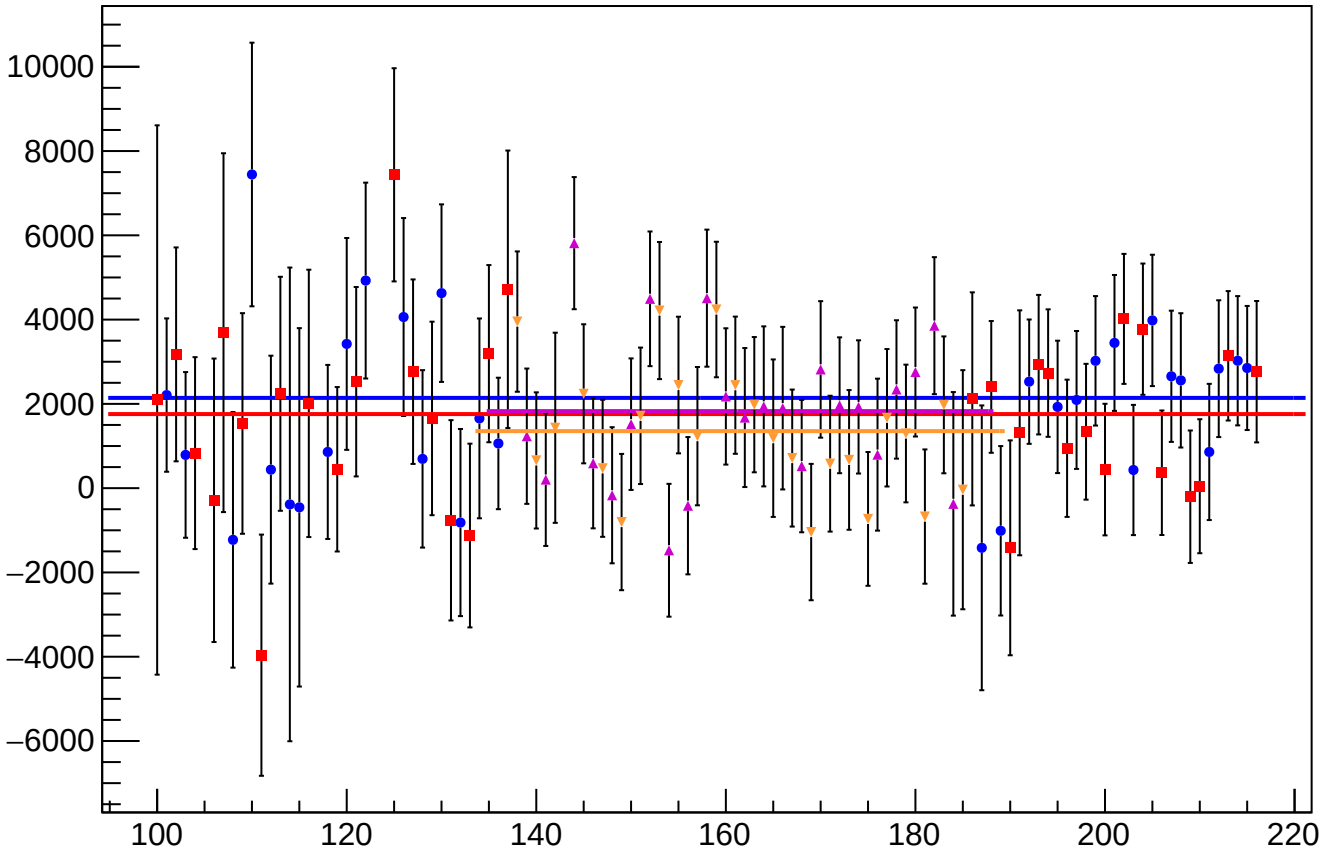
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 414.590+/-0.059 χ^2/NDF: 23420844.2/64

In: 648.150+/-0.082 χ^2/NDF:11639123.1/53

Out: 433.656+/-0.066 χ^2/NDF:29696441.5/57

All: 517.721+/-0.052 χ^2/NDF: 45462592.8/11



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: 1758.068+/-344.708 χ^2/NDF: 27.4/33

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

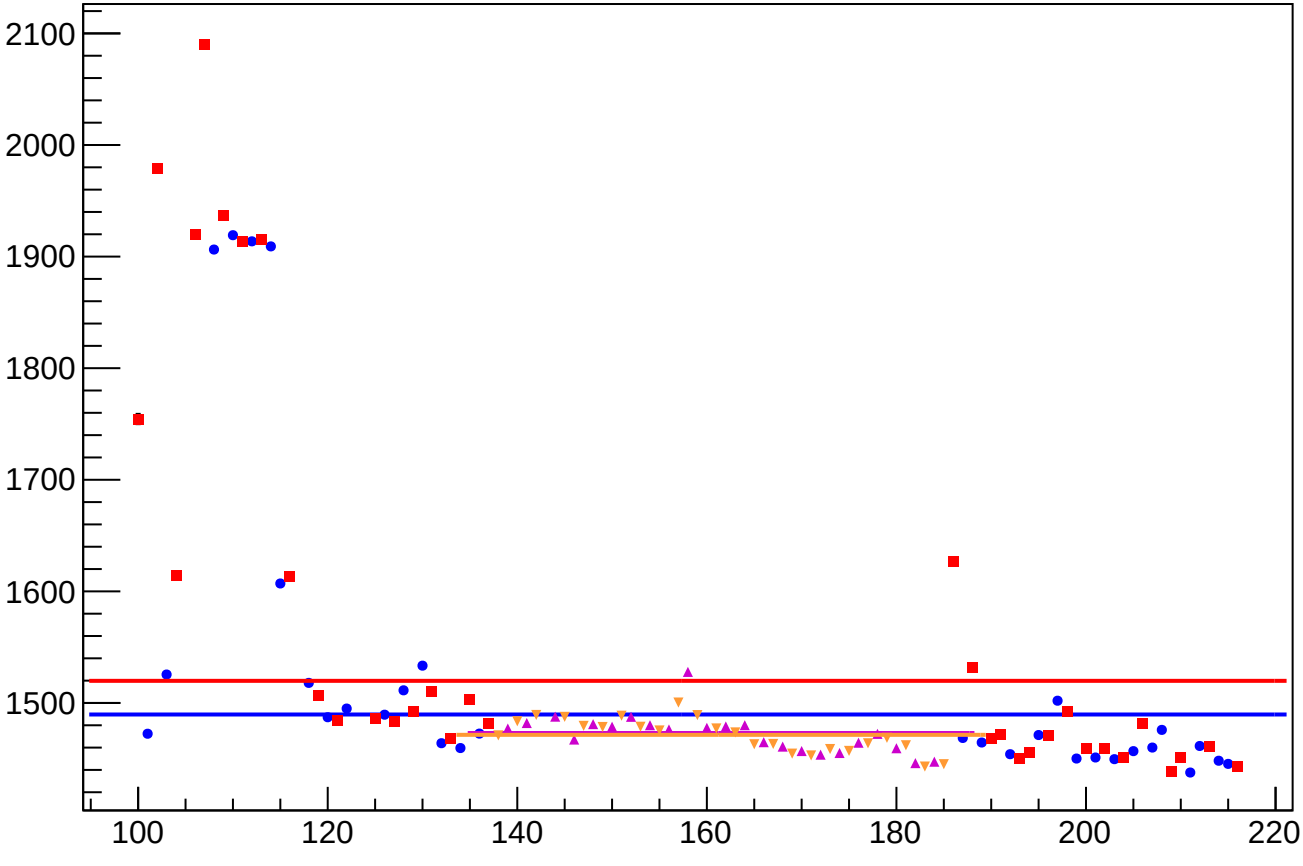
Right: 1952.923+/-241.969 χ^2/NDF: 49.3/64

In: 1987.161+/-241.708 χ^2/NDF:47.5/53

Out: 1554.028+/-242.628 χ^2/NDF:47.0/57

All: 1771.417+/-171.238 χ^2/NDF: 96.1/111

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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: 1519.824+/-0.244 χ^2/NDF: 312176.2/33

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

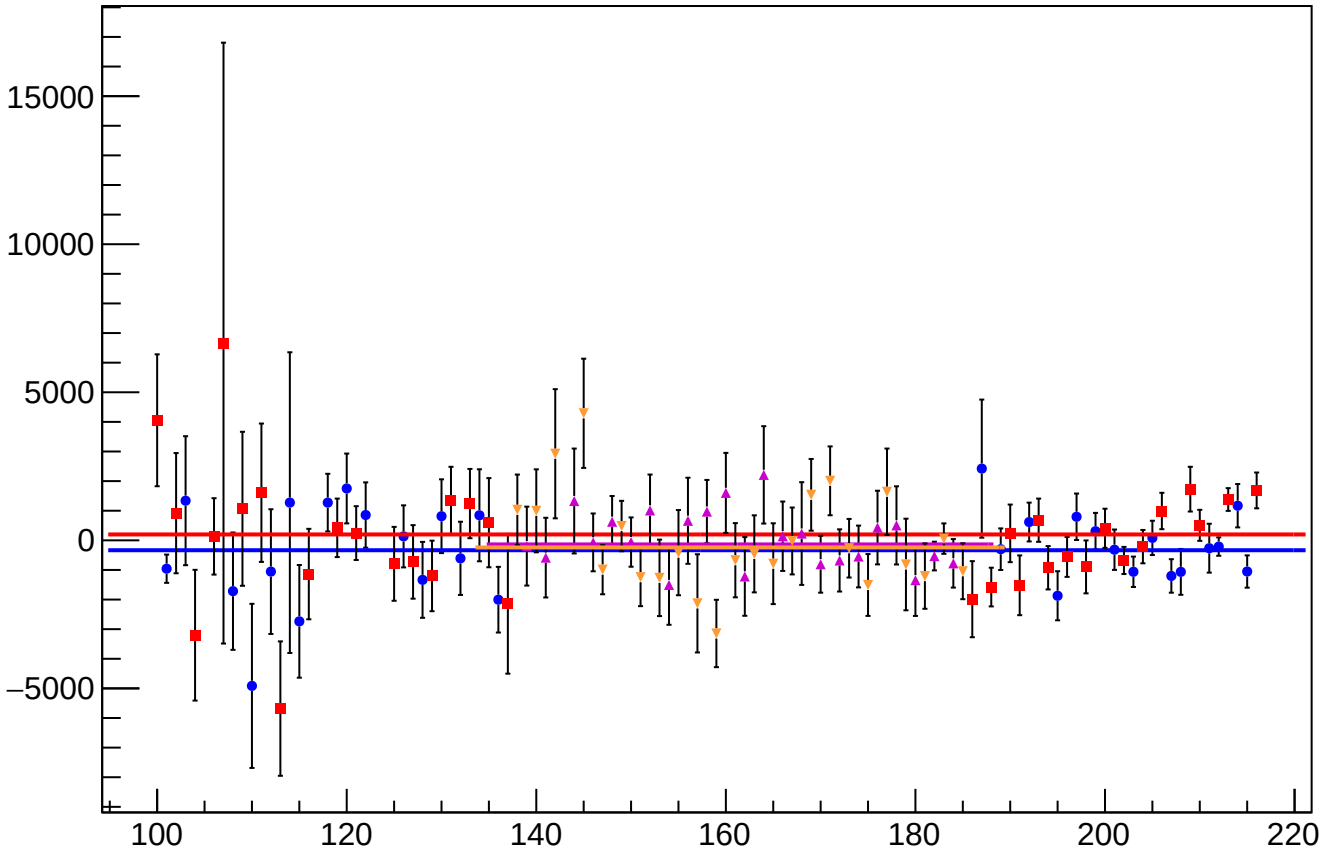
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1504.525+/-0.171 χ^2/NDF: 473817.0/64

In: 1481.459+/-0.171 χ^2/NDF:160987.7/53

Out: 1495.409+/-0.172 χ^2/NDF:335497.5/57

All: 1488.407+/-0.121 χ^2/NDF: 499803.7/111



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: 198.775+/-143.536 χ^2/NDF: 64.0/33

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

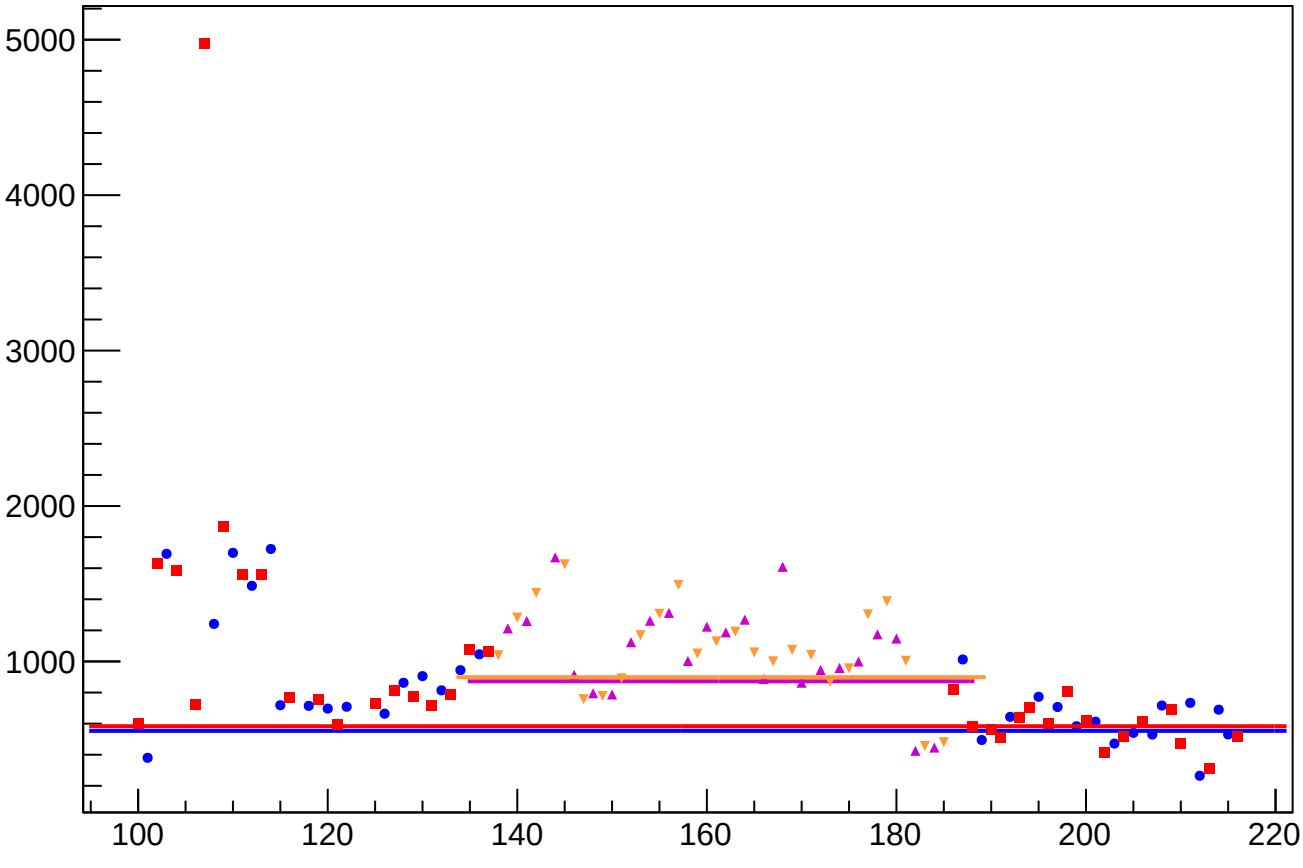
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -79.958+/-99.145 χ^2/NDF: 112.2/64

In: -278.948+/-116.135 χ^2/NDF:54.5/53

Out: 69.171+/-120.502 χ^2/NDF:99.2/57

All: -111.311+/-83.621 χ^2/NDF: 158.0/111



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: 583.312+/-0.101 χ^2/NDF: 4874169.3/33

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

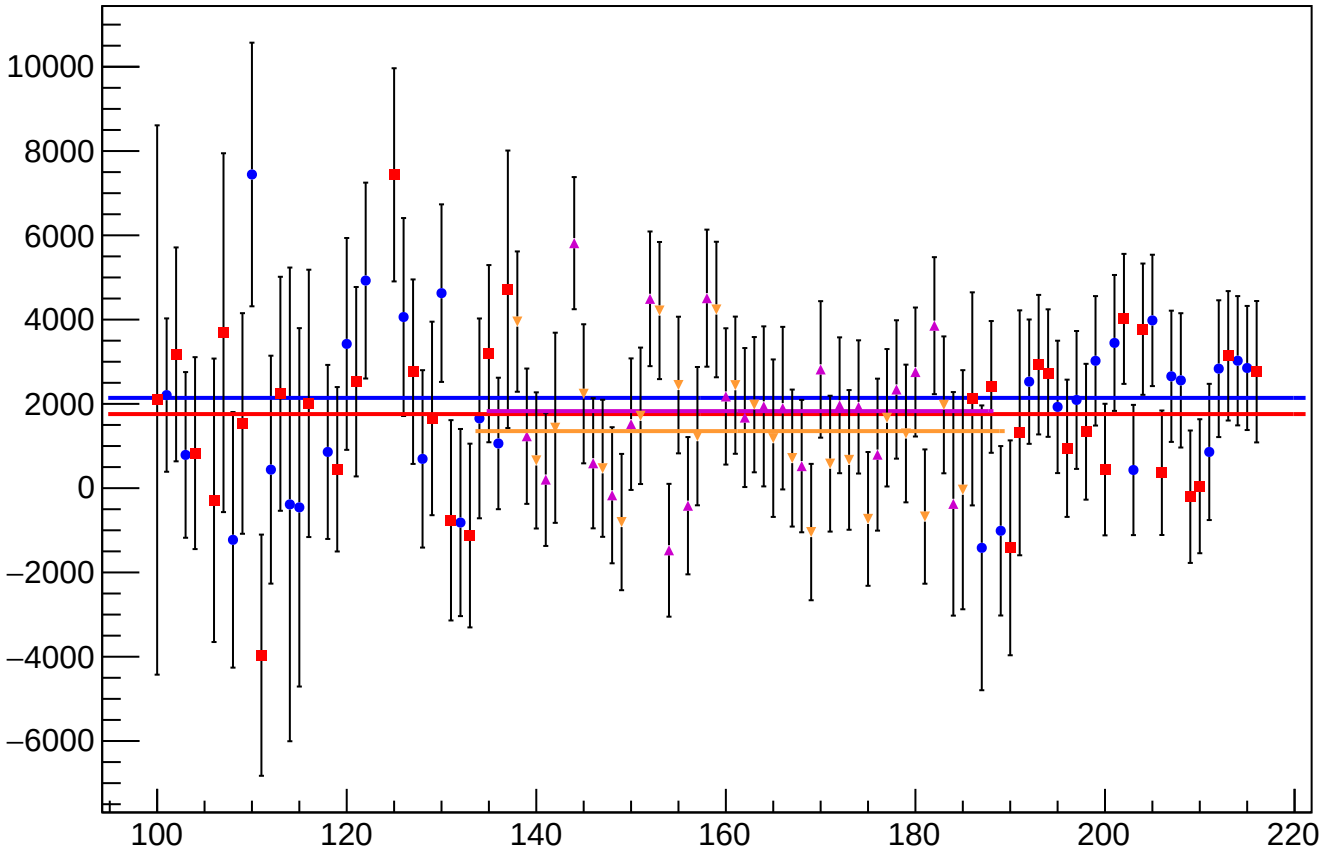
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 567.769+/-0.070 χ^2/NDF: 10264164.9/64

In: 643.690+/-0.082 χ^2/NDF:12837491.7/53

Out: 676.458+/-0.085 χ^2/NDF:11518833.9/57

All: 659.470+/-0.059 χ^2/NDF: 24432998.1/11



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: 1758.067+/-344.708 χ^2/NDF: 27.4/33

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

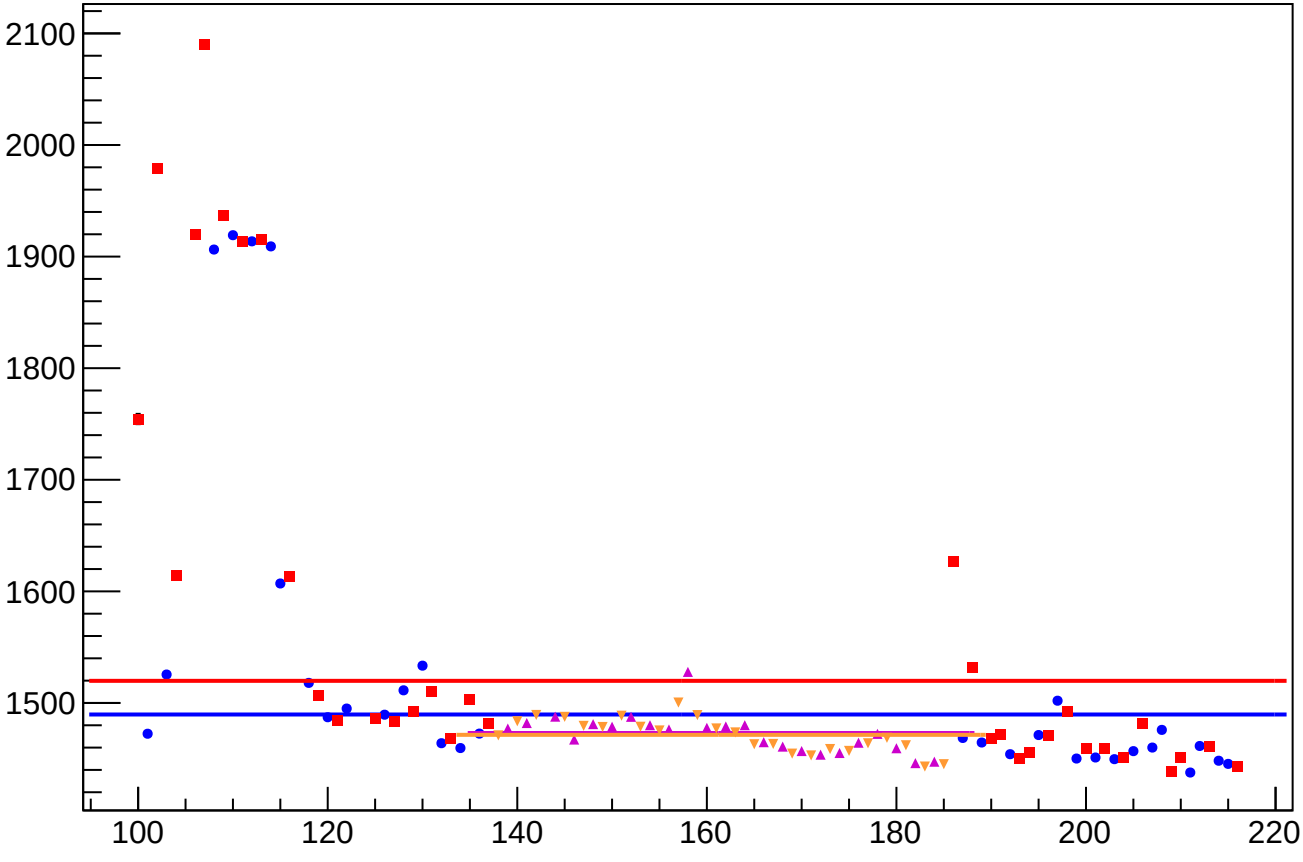
Right: 1952.922+/-241.969 χ^2/NDF: 49.3/64

In: 1987.160+/-241.708 χ^2/NDF:47.5/53

Out: 1554.027+/-242.628 χ^2/NDF:47.0/57

All: 1771.417+/-171.238 χ^2/NDF: 96.1/111

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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: 1519.824+/-0.244 χ^2/NDF: 312175.7/33

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

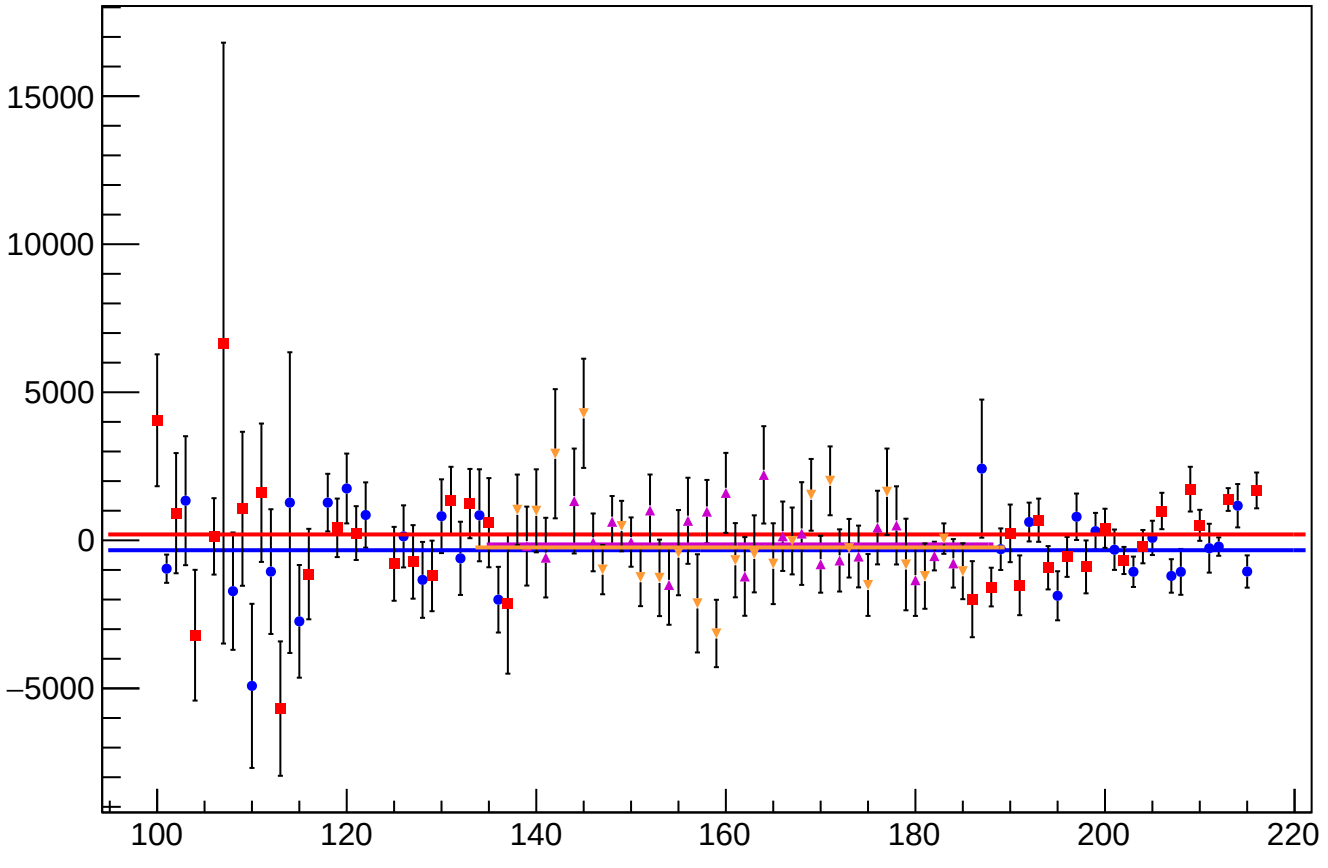
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1504.525+/-0.171 χ^2/NDF: 473816.4/64

In: 1481.459+/-0.171 χ^2/NDF:160987.6/53

Out: 1495.409+/-0.172 χ^2/NDF:335496.9/57

All: 1488.407+/-0.121 χ^2/NDF: 499803.0/111



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: 198.775+/-143.536 χ^2/NDF: 64.0/33

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

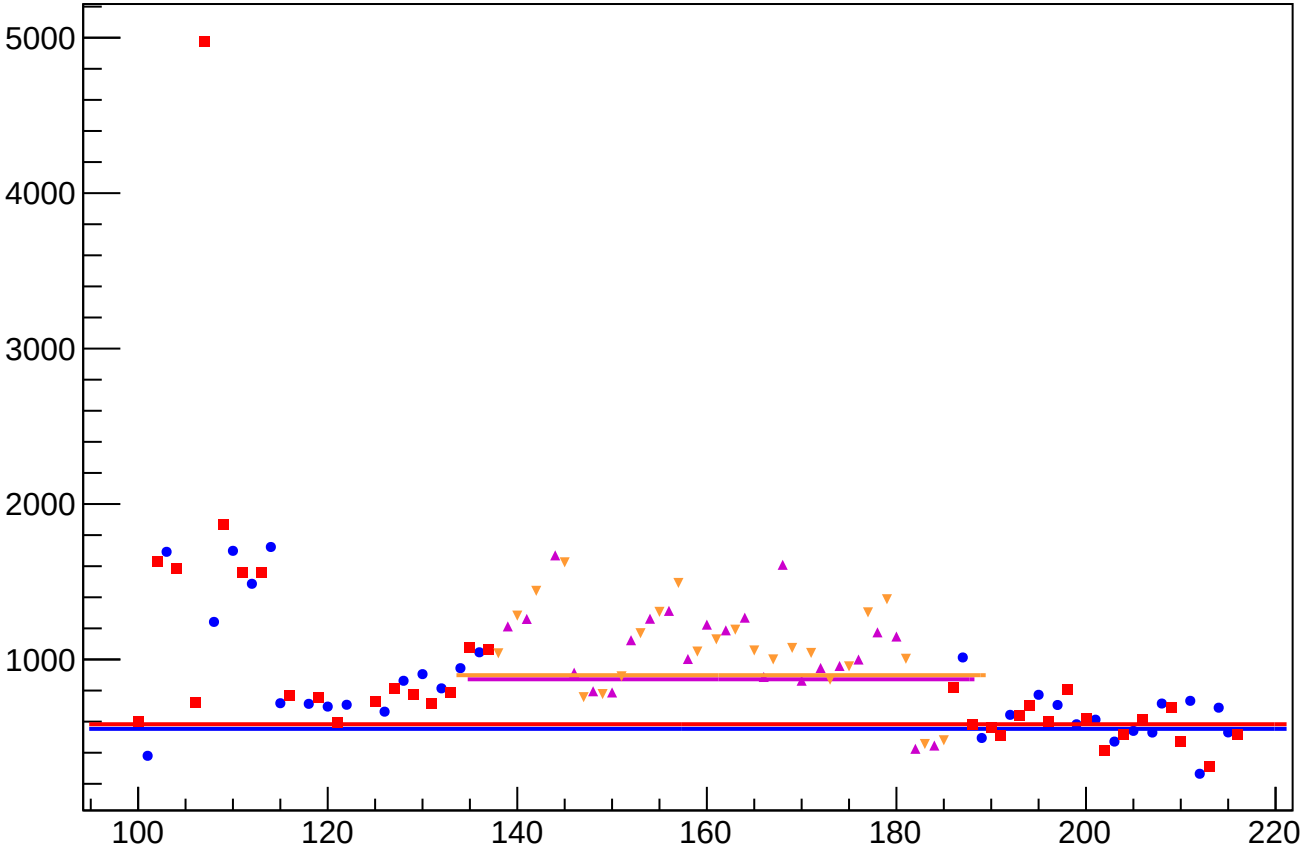
Right: -79.959+/-99.145 χ^2/NDF: 112.2/64

In: -278.949+/-116.135 χ^2/NDF:54.5/53

Out: 69.170+/-120.502 χ^2/NDF:99.2/57

All: -111.312+/-83.621 χ^2/NDF: 158.0/111

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: 583.313+/-0.101 χ^2/NDF: 4874166.3/33

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

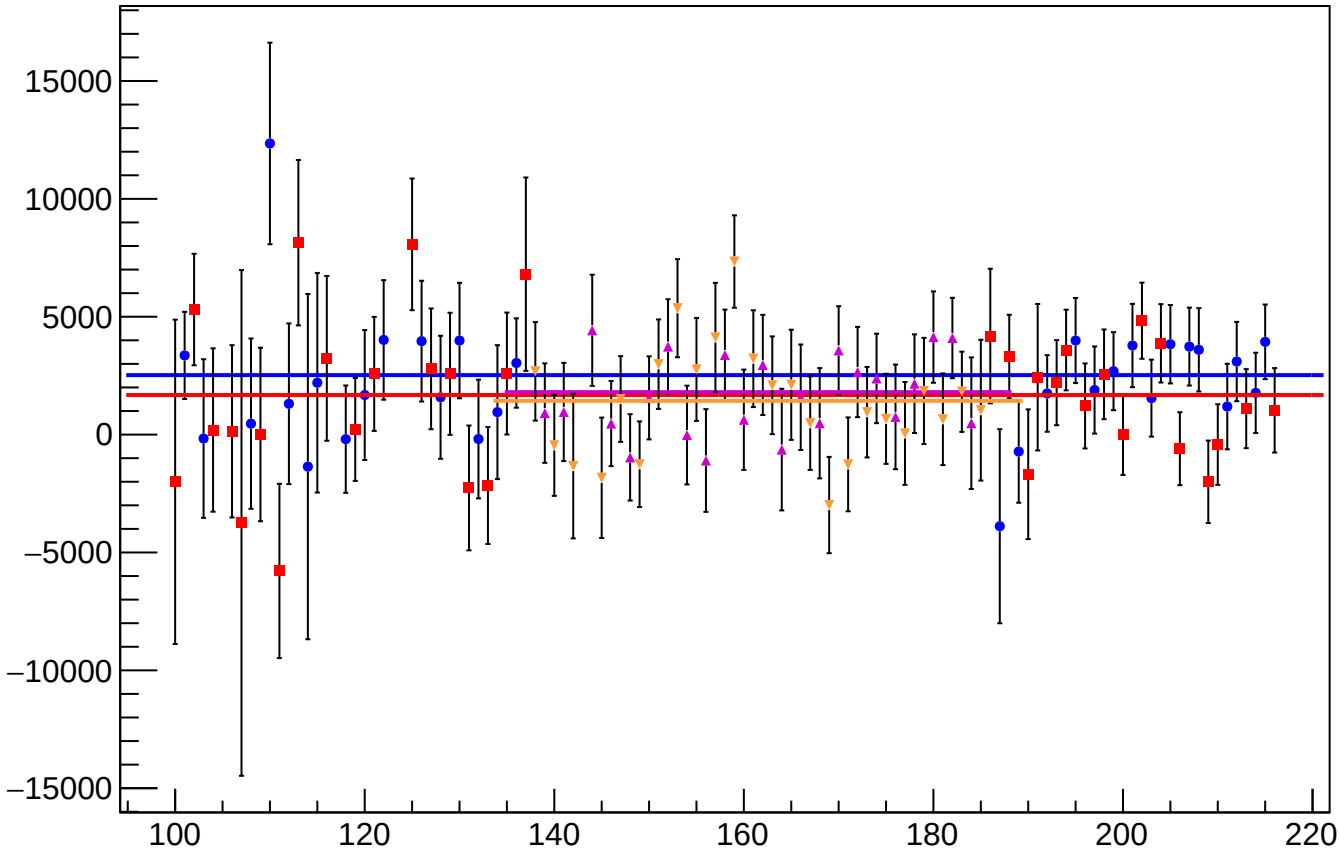
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 567.769+/-0.070 χ^2/NDF: 10264158.3/64

In: 643.691+/-0.082 χ^2/NDF:12837503.2/53

Out: 676.459+/-0.085 χ^2/NDF:11518844.0/57

All: 659.470+/-0.059 χ^2/NDF: 24433020.3/11



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: 1680.354+/-384.732 χ^2/NDF: 43.2/33

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

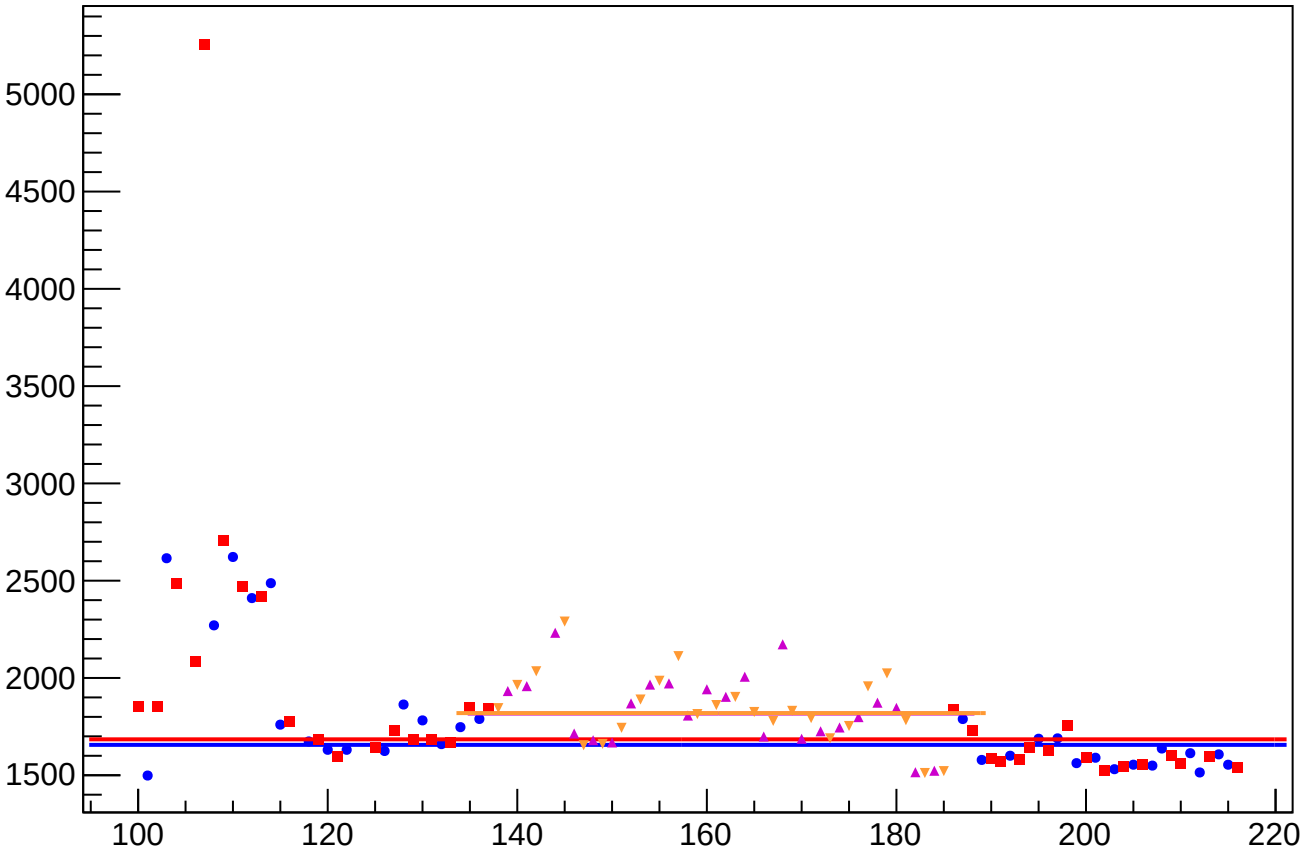
Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

Right: 2107.287+/-270.325 χ^2/NDF: 66.4/64

In: 2204.124+/-283.678 χ^2/NDF:37.7/53

Out: 1568.935+/-285.061 χ^2/NDF:72.8/57

All: 1888.075+/-201.078 χ^2/NDF: 113.0/111



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: 1684.565+/-0.272 χ^2/NDF: 824308.2/33

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

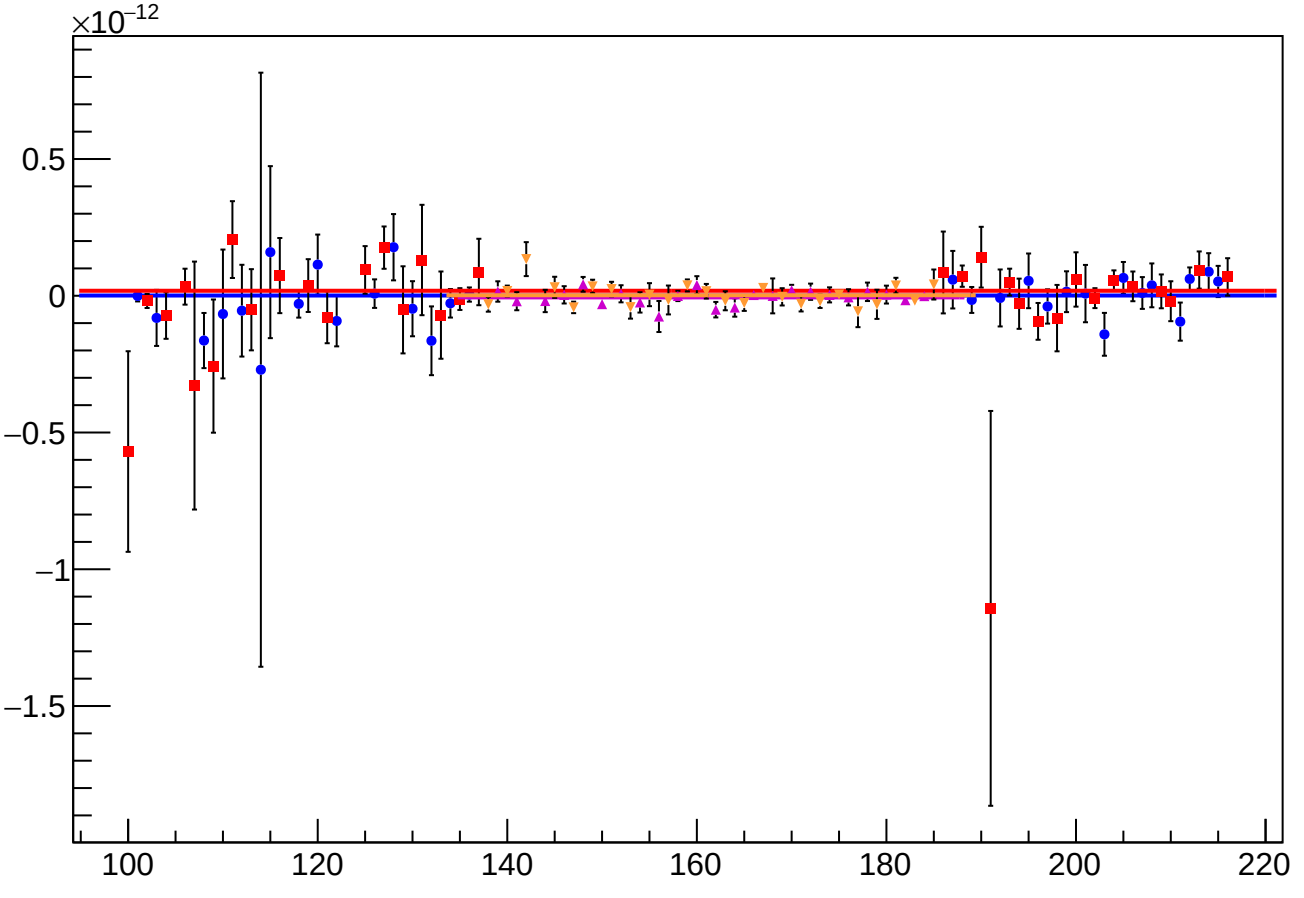
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1670.187+/-0.191 χ^2/NDF: 1392790.5/64

In: 1727.388+/-0.201 χ^2/NDF:1028937.0/53

Out: 1745.386+/-0.202 χ^2/NDF:1230144.0/57

All: 1736.343+/-0.142 χ^2/NDF: 2263086.9/11



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: 31.6/33

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

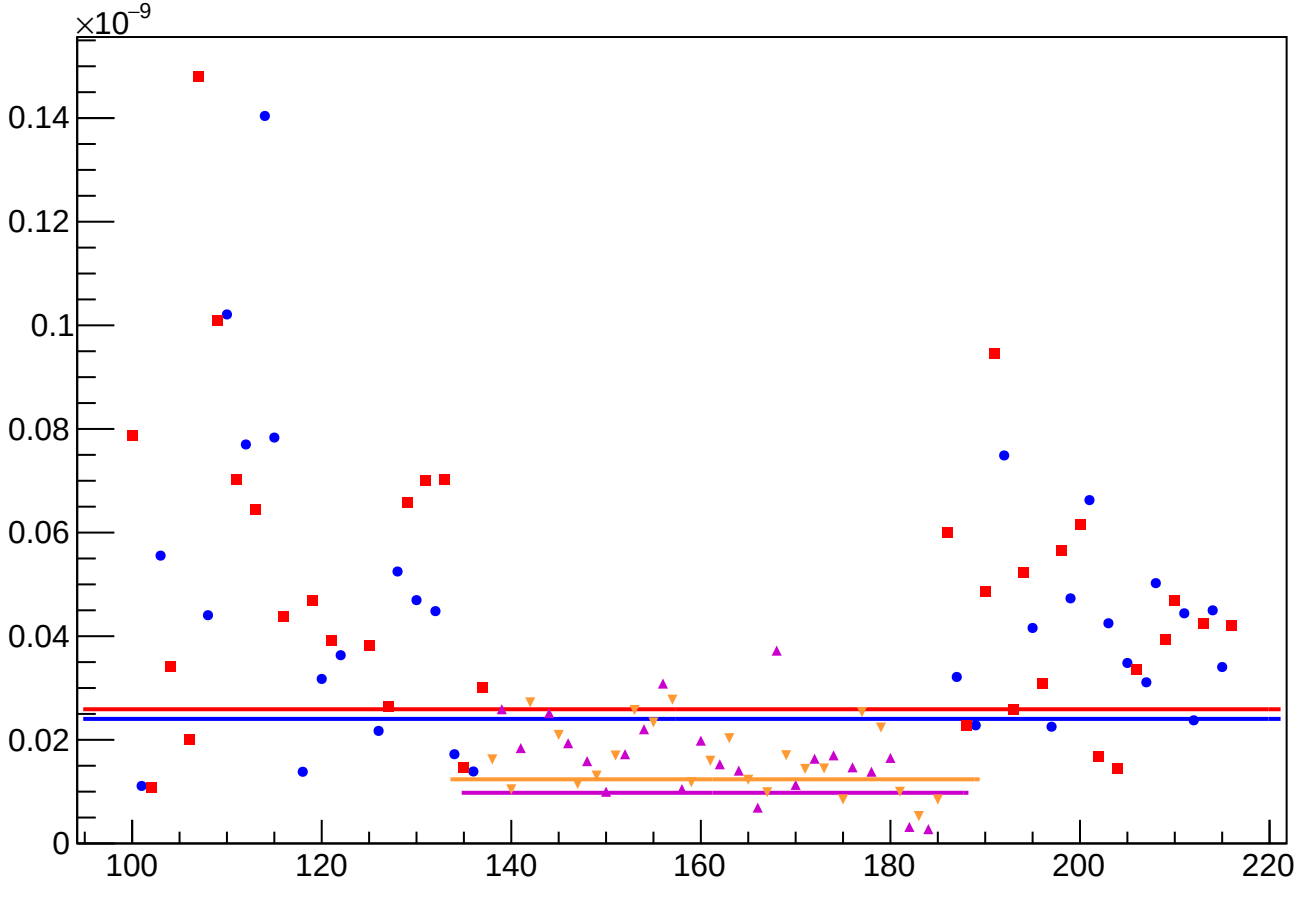
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 55.8/64

In: -0.000+/-0.000 χ^2/NDF:41.3/53

Out: 0.000+/-0.000 χ^2/NDF:62.6/57

All: -0.000+/-0.000 χ^2/NDF: 106.2/111



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: 3829185.1/33

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

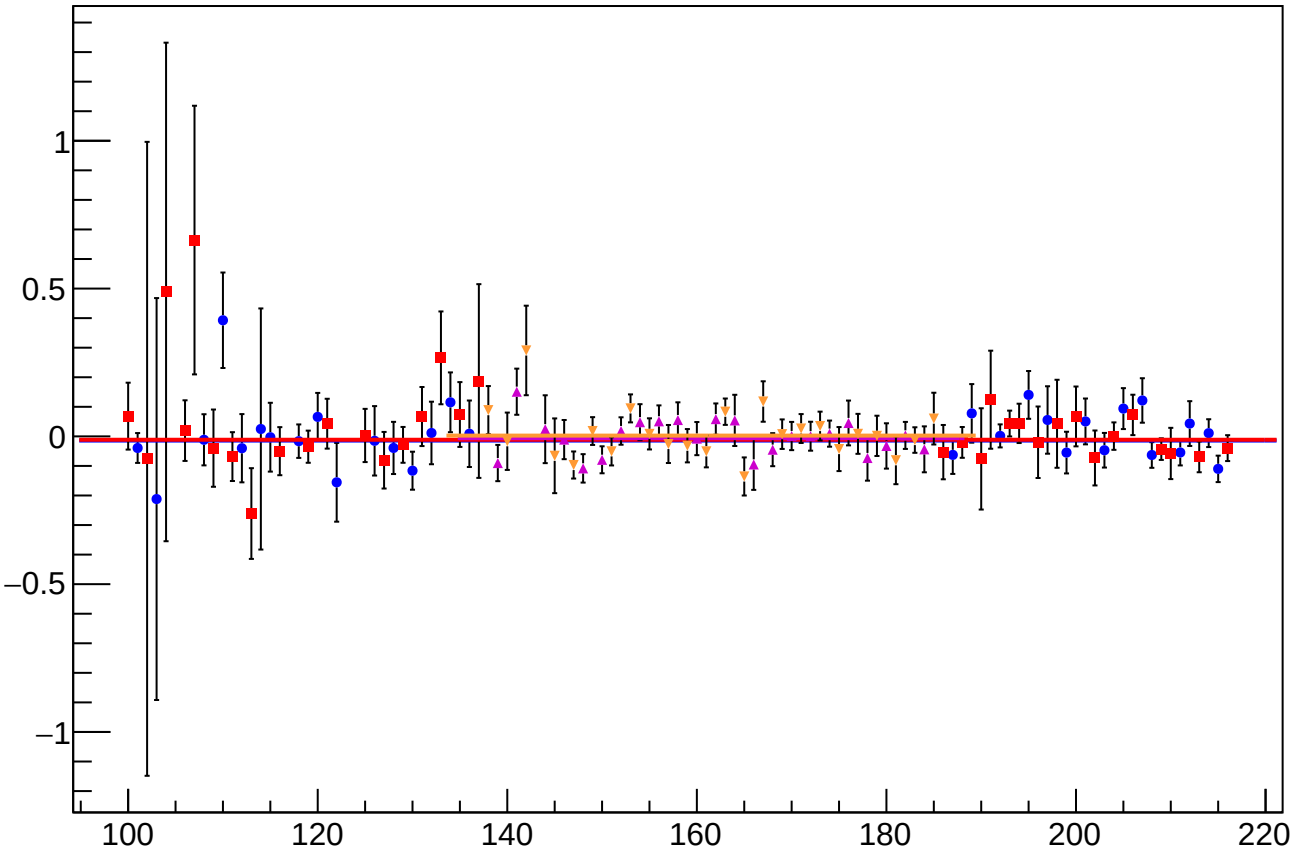
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 8122580.1/64

In: 0.000+/-0.000 χ^2/NDF:11903413.7/53

Out: 0.000+/-0.000 χ^2/NDF:8072843.9/57

All: 0.000+/-0.000 χ^2/NDF: 20322867.7/111



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: -0.011+/-0.013 χ^2/NDF: 21.2/33

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

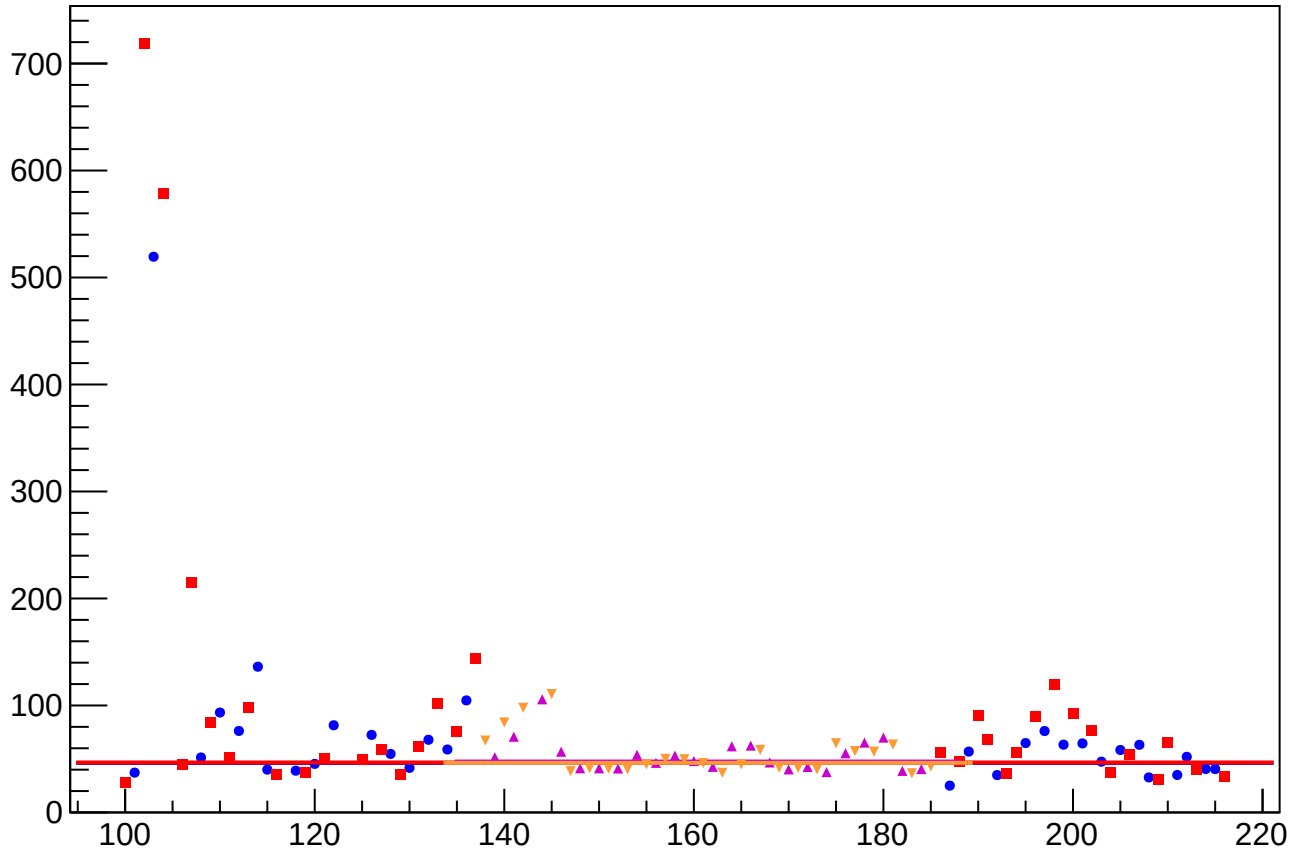
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.013+/-0.009 χ^2/NDF: 54.7/64

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.004+/-0.009 χ^2/NDF:51.8/57

All: -0.007+/-0.006 χ^2/NDF: 107.2/111



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: 46.684+/-0.009 χ^2/NDF: 5599846.7/33

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

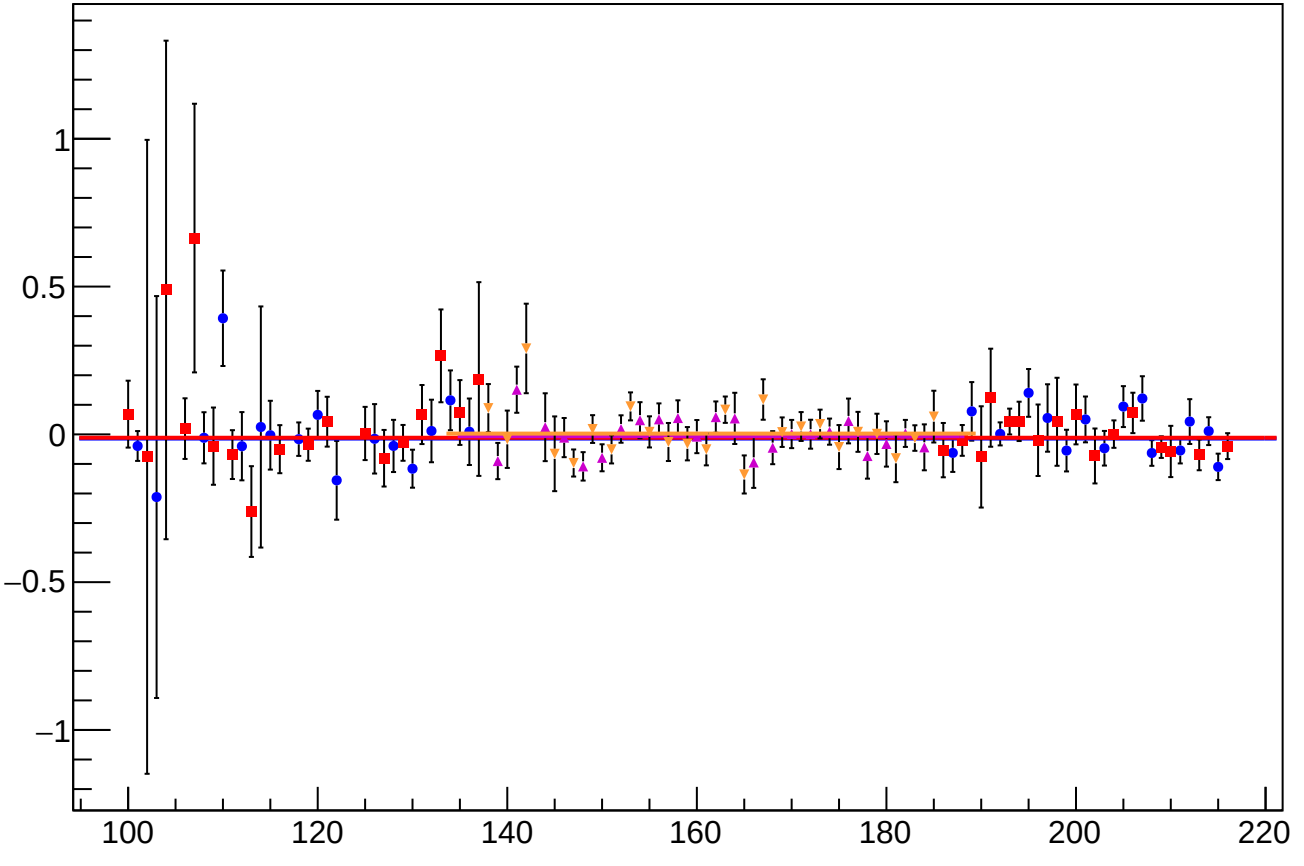
Right: 46.477+/-0.006 χ^2/NDF: 9446589.3/64

In: 46.950+/-0.006 χ^2/NDF:5432912.7/53

Out: 46.504+/-0.006 χ^2/NDF:7568303.1/57

All: 46.729+/-0.004 χ^2/NDF: 13003817.1/111

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.011+/-0.013 χ^2/NDF: 21.2/33

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

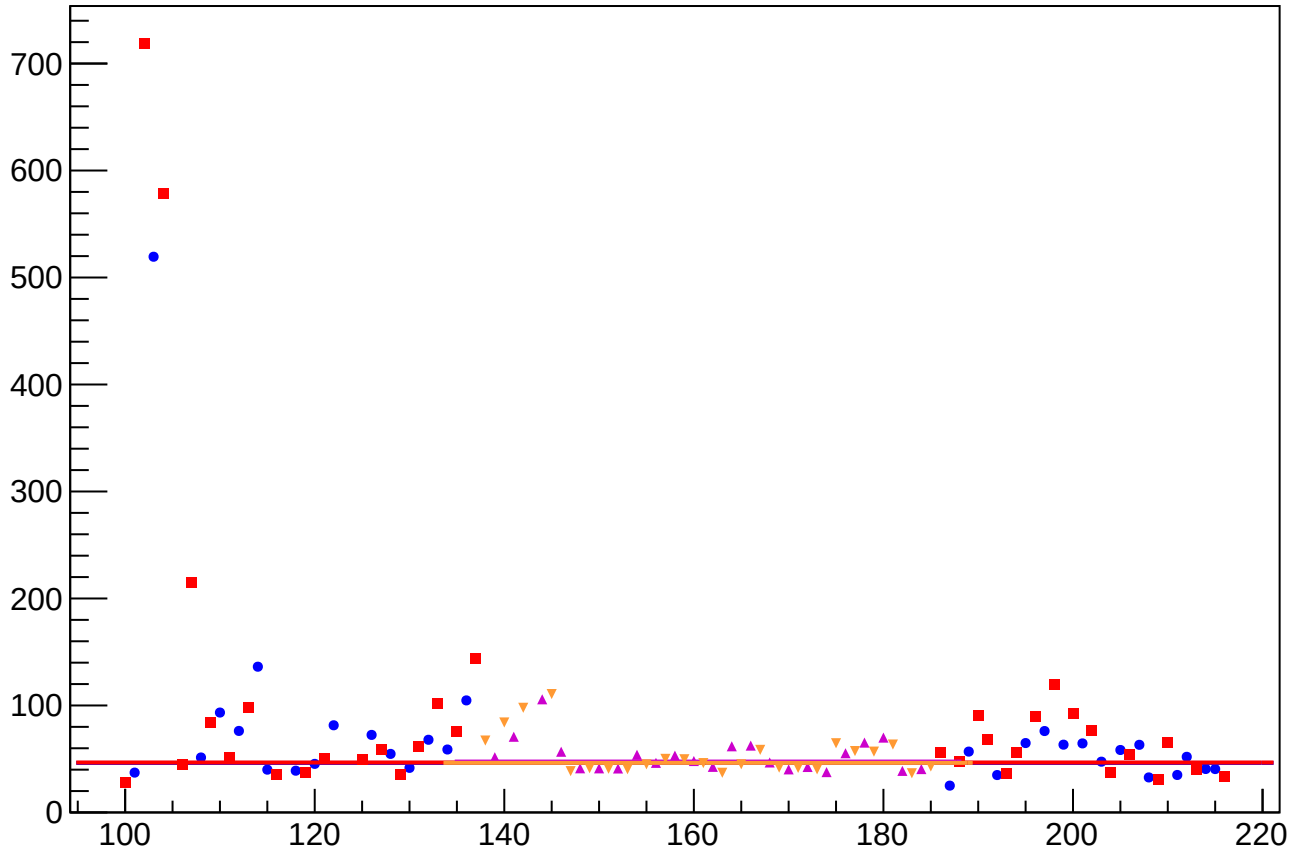
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.013+/-0.009 χ^2/NDF: 54.7/64

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.004+/-0.009 χ^2/NDF:51.8/57

All: -0.007+/-0.006 χ^2/NDF: 107.2/111



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: 46.684+/-0.009 χ^2/NDF: 5599846.7/33

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

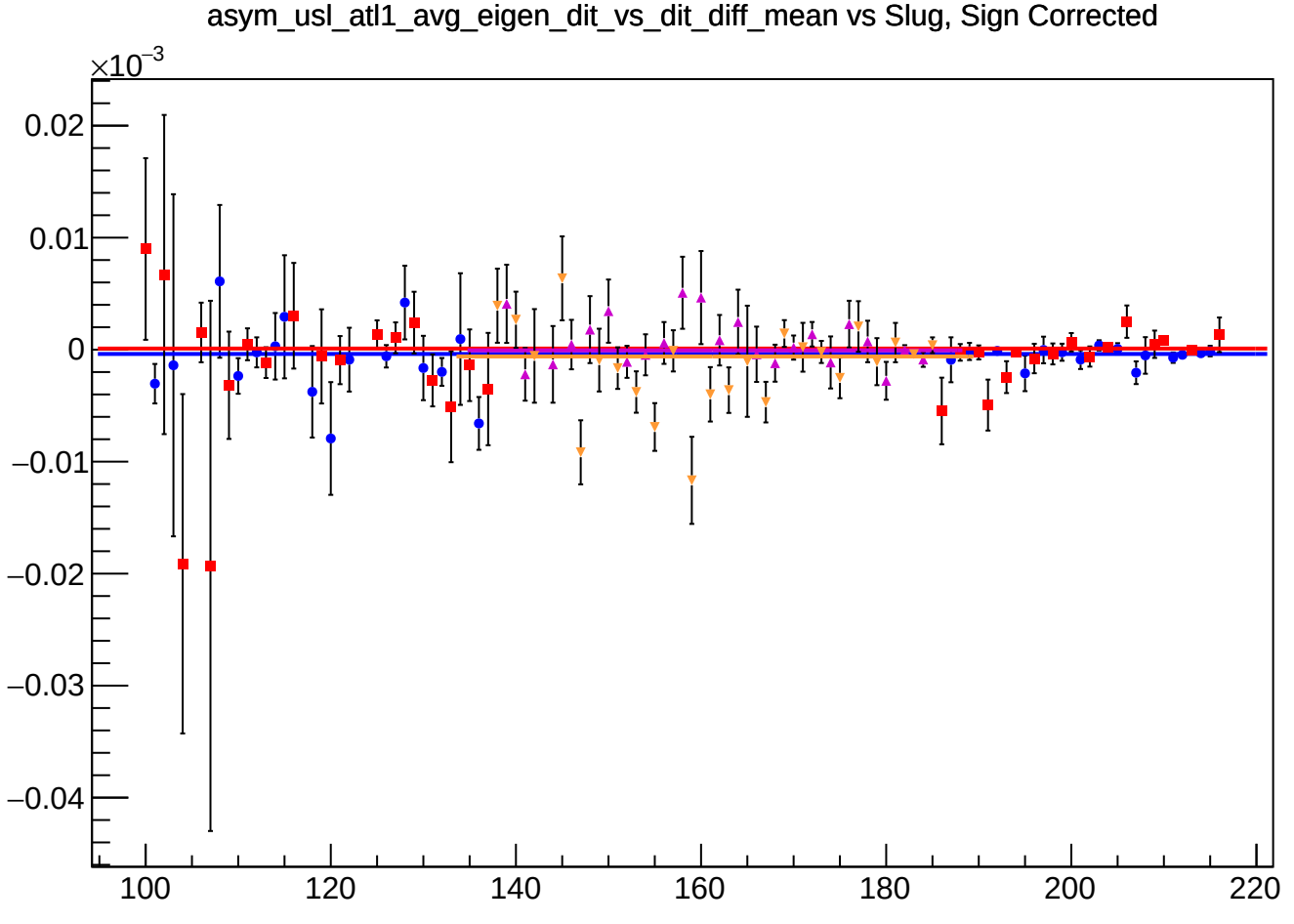
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 46.477+/-0.006 χ^2/NDF: 9446589.3/64

In: 46.950+/-0.006 χ^2/NDF:5432912.7/53

Out: 46.504+/-0.006 χ^2/NDF:7568303.1/57

All: 46.729+/-0.004 χ^2/NDF: 13003817.1/111



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: 36.5/33

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

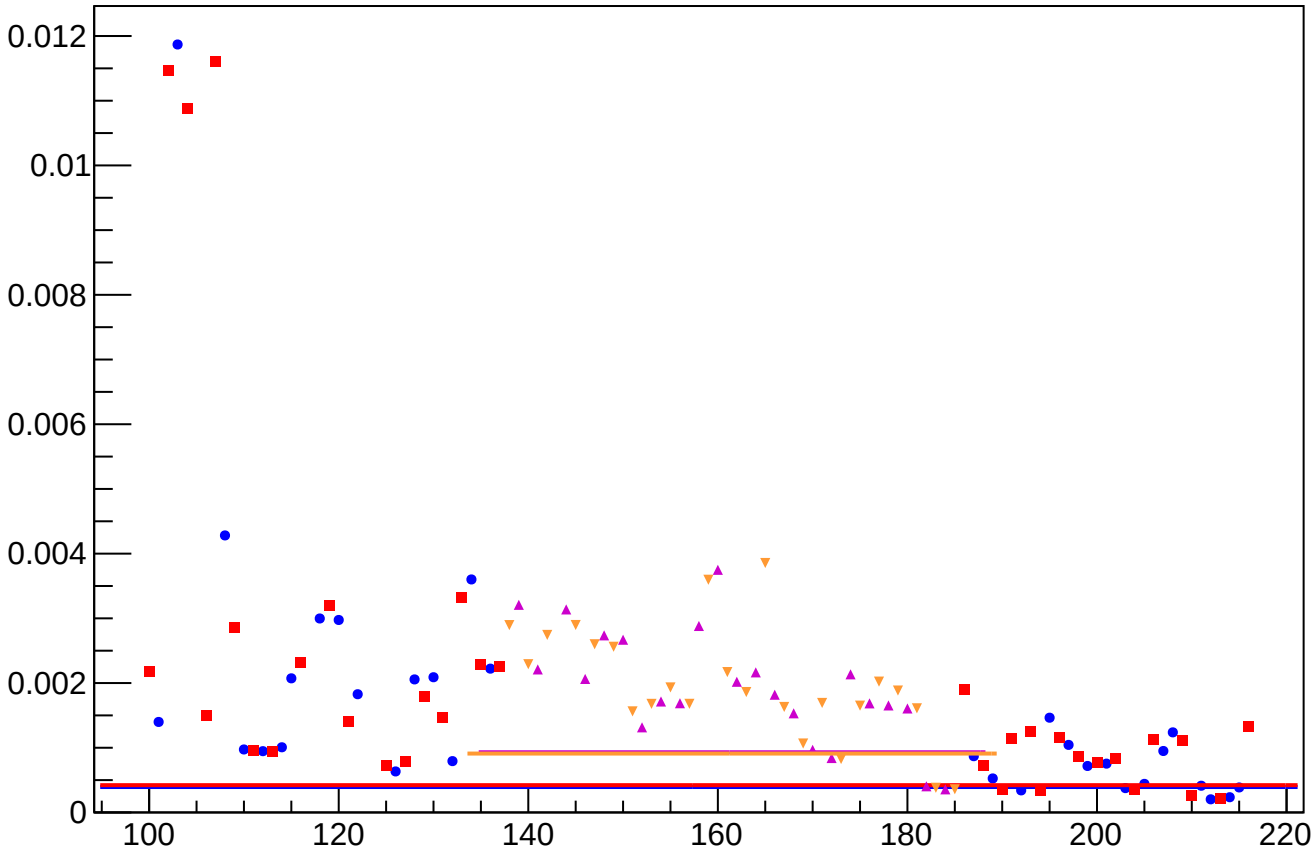
Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

Right: -0.000+/-0.000 χ^2/NDF: 72.3/64

In: -0.000+/-0.000 χ^2/NDF:47.6/53

Out: -0.000+/-0.000 χ^2/NDF:95.7/57

All: -0.000+/-0.000 χ^2/NDF: 146.7/111



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: 16239757.9/33

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

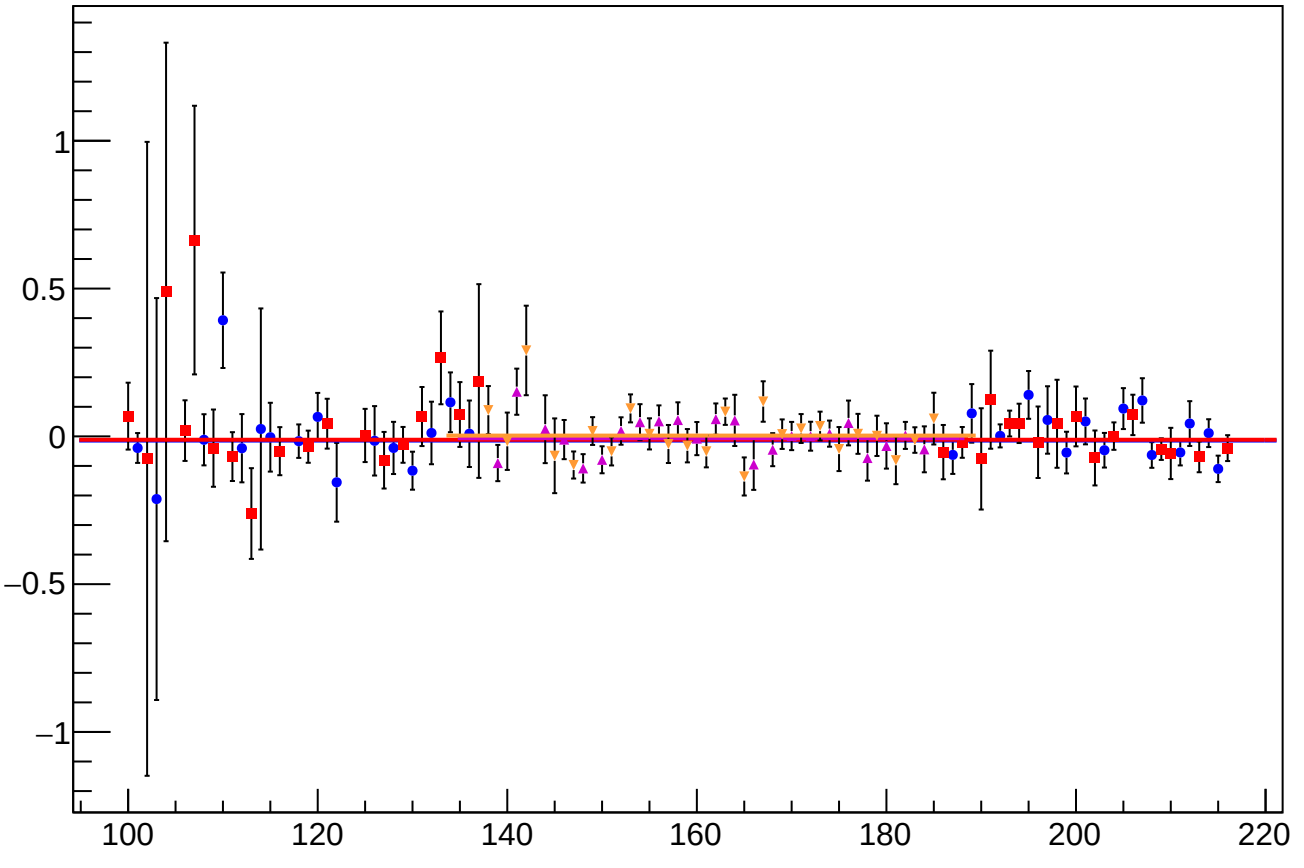
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.000+/-0.000 χ^2/NDF: 30472800.7/64

In: 0.000+/-0.000 χ^2/NDF:34014489.6/53

Out: 0.001+/-0.000 χ^2/NDF:35418201.5/57

All: 0.000+/-0.000 χ^2/NDF: 69523997.8/111



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: -0.011+/-0.013 χ^2/NDF: 21.2/33

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

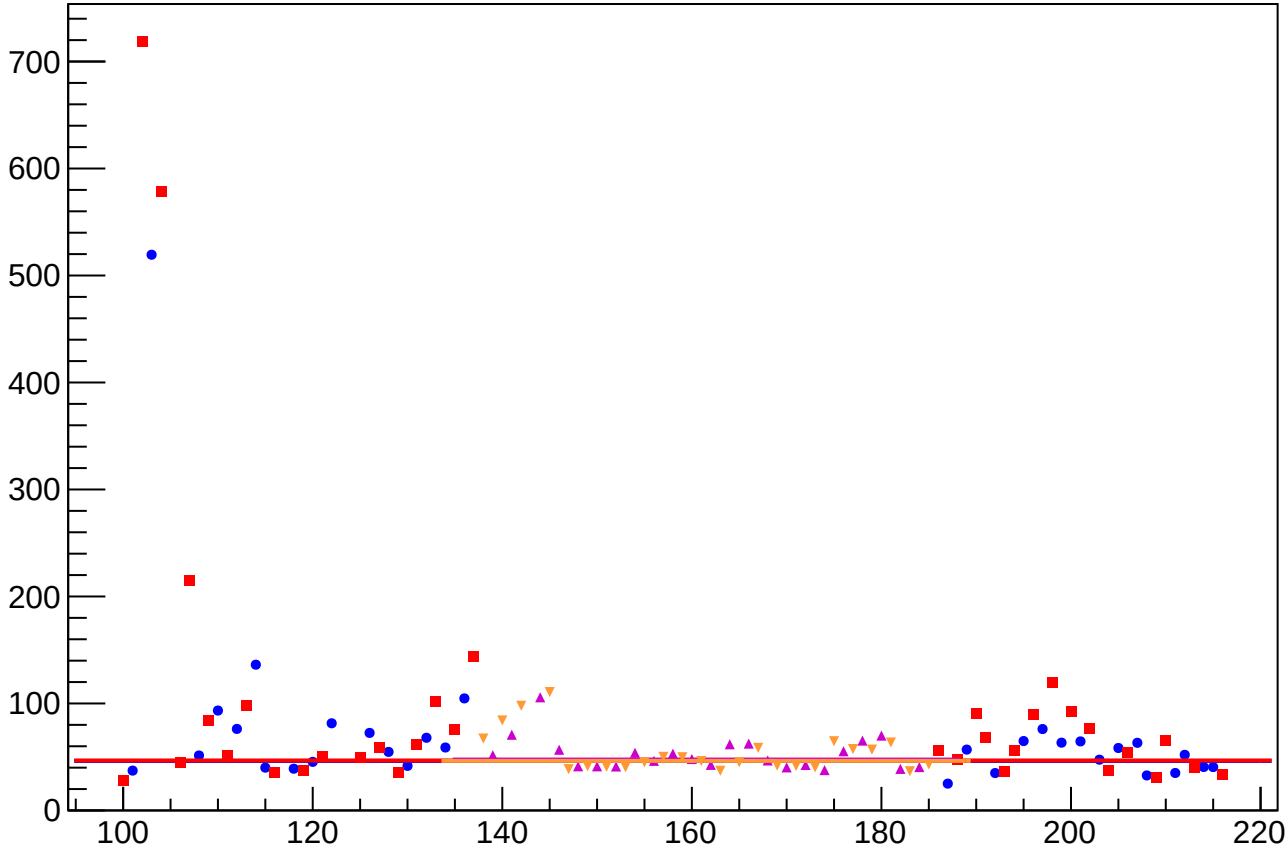
Right: -0.013+/-0.009 χ^2/NDF: 54.7/64

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.004+/-0.009 χ^2/NDF:51.8/57

All: -0.007+/-0.006 χ^2/NDF: 107.2/111

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: 46.684+/-0.009 χ^2/NDF: 5599827.2/33

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

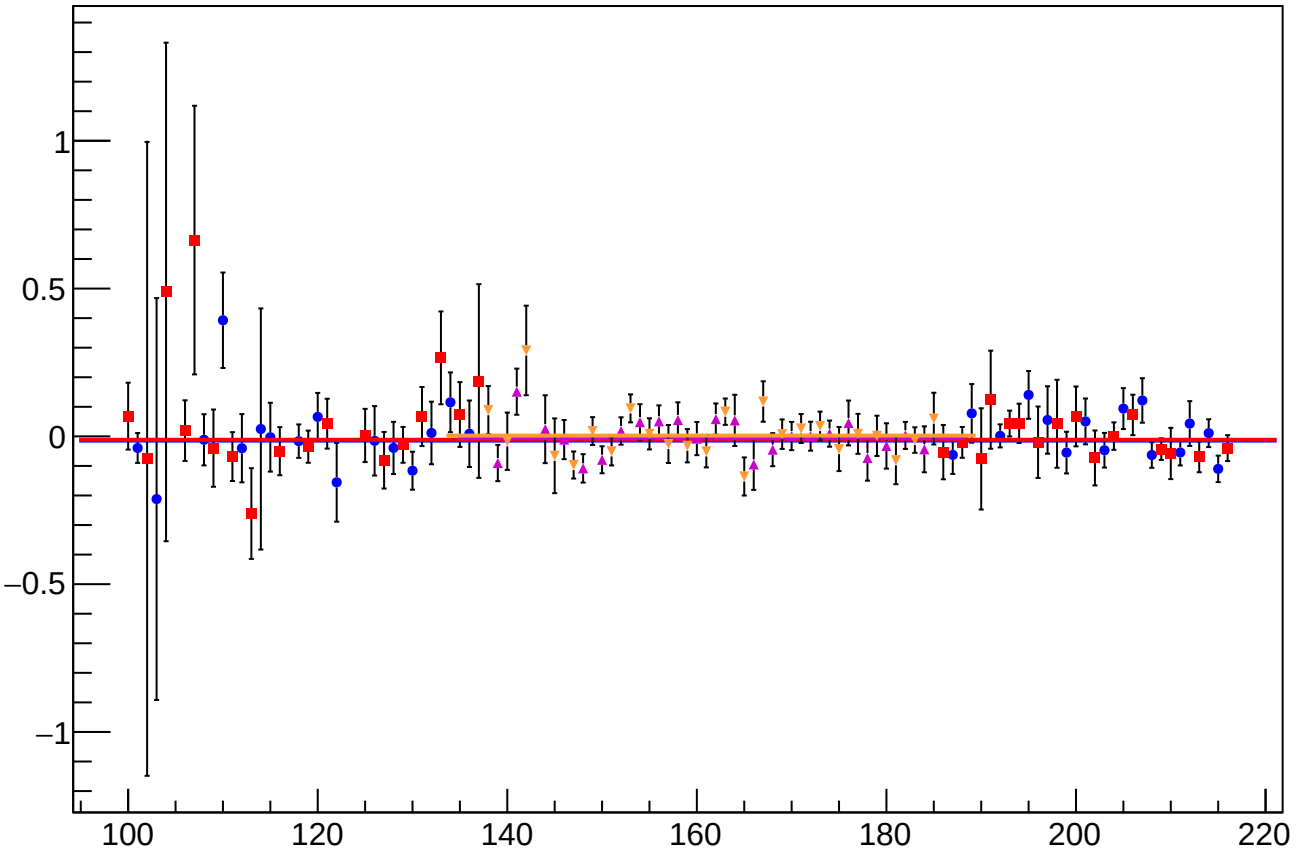
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 46.477+/-0.006 χ^2/NDF: 9446587.5/64

In: 46.950+/-0.006 χ^2/NDF:5432941.0/53

Out: 46.504+/-0.006 χ^2/NDF:7568270.3/57

All: 46.729+/-0.004 χ^2/NDF: 13003812.7/11



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: -0.011+/-0.013 χ^2/NDF: 21.2/33

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

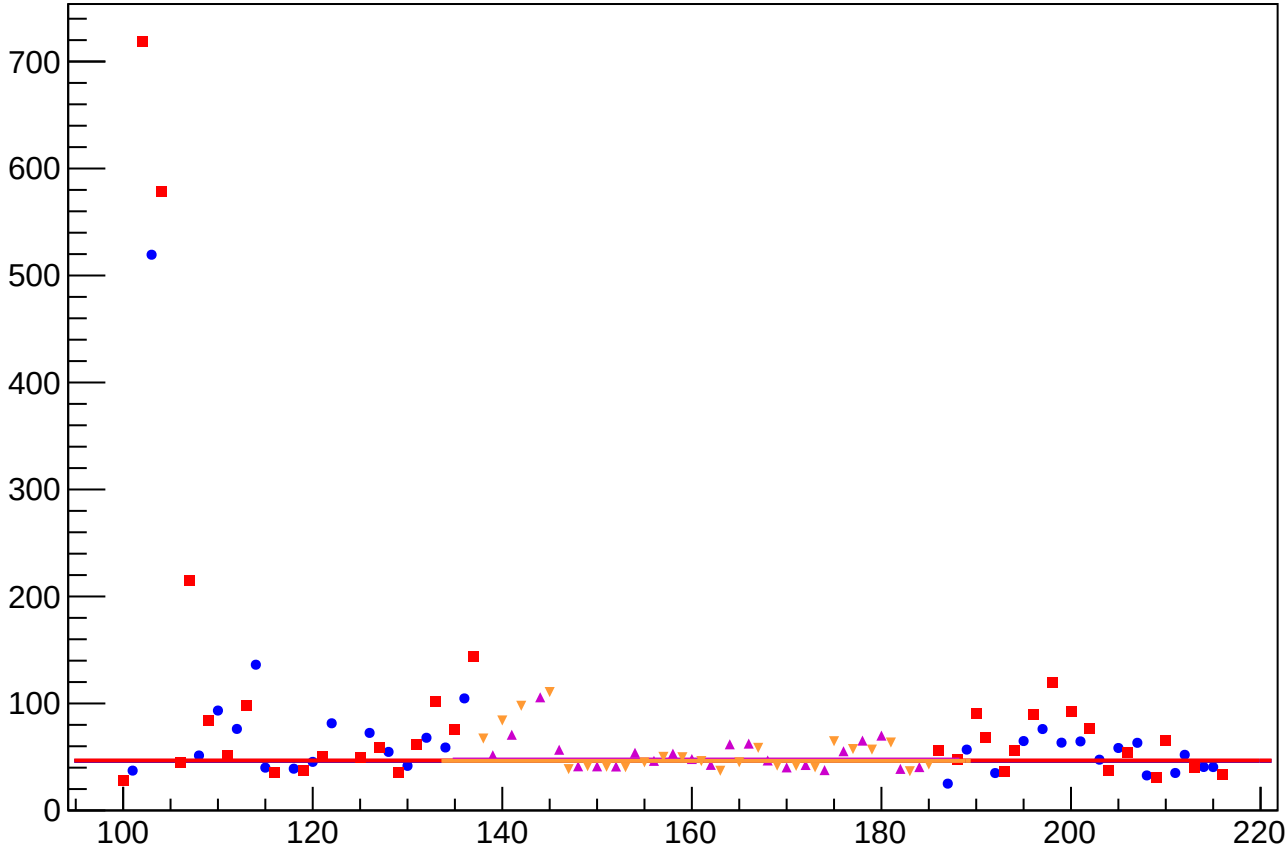
Right: -0.013+/-0.009 χ^2/NDF: 54.7/64

In: -0.010+/-0.009 χ^2/NDF:55.2/53

Out: -0.004+/-0.009 χ^2/NDF:51.8/57

All: -0.007+/-0.006 χ^2/NDF: 107.2/111

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: 46.684+/-0.009 χ^2/NDF: 5599827.2/33

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

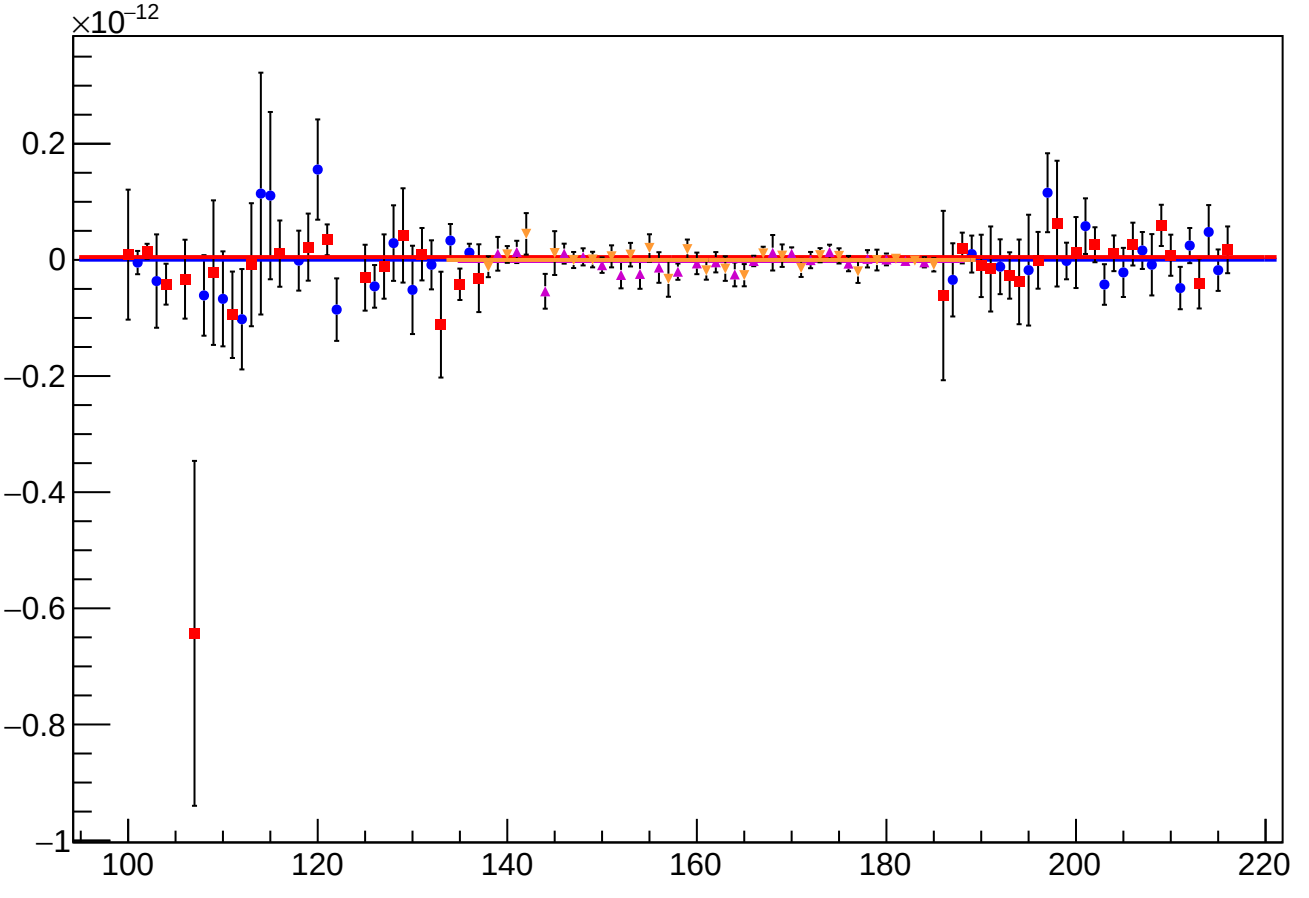
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 46.477+/-0.006 χ^2/NDF: 9446587.5/64

In: 46.950+/-0.006 χ^2/NDF:5432941.0/53

Out: 46.504+/-0.006 χ^2/NDF:7568270.3/57

All: 46.729+/-0.004 χ^2/NDF: 13003812.7/11



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: 22.8/33

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

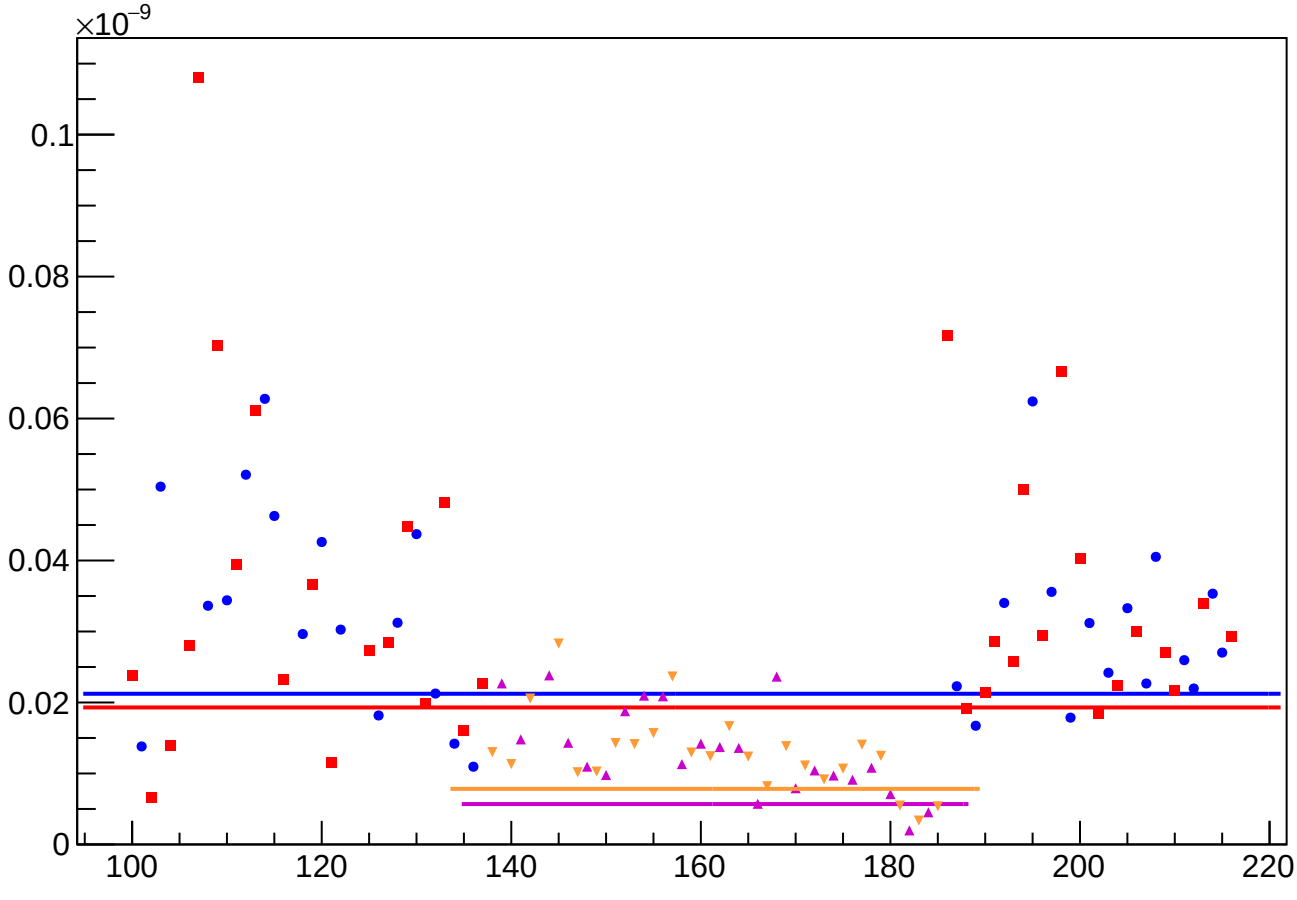
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 47.7/64

In: -0.000+/-0.000 χ^2/NDF:38.1/53

Out: 0.000+/-0.000 χ^2/NDF:37.2/57

All: -0.000+/-0.000 χ^2/NDF: 75.8/111



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: 5902894.6/33

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

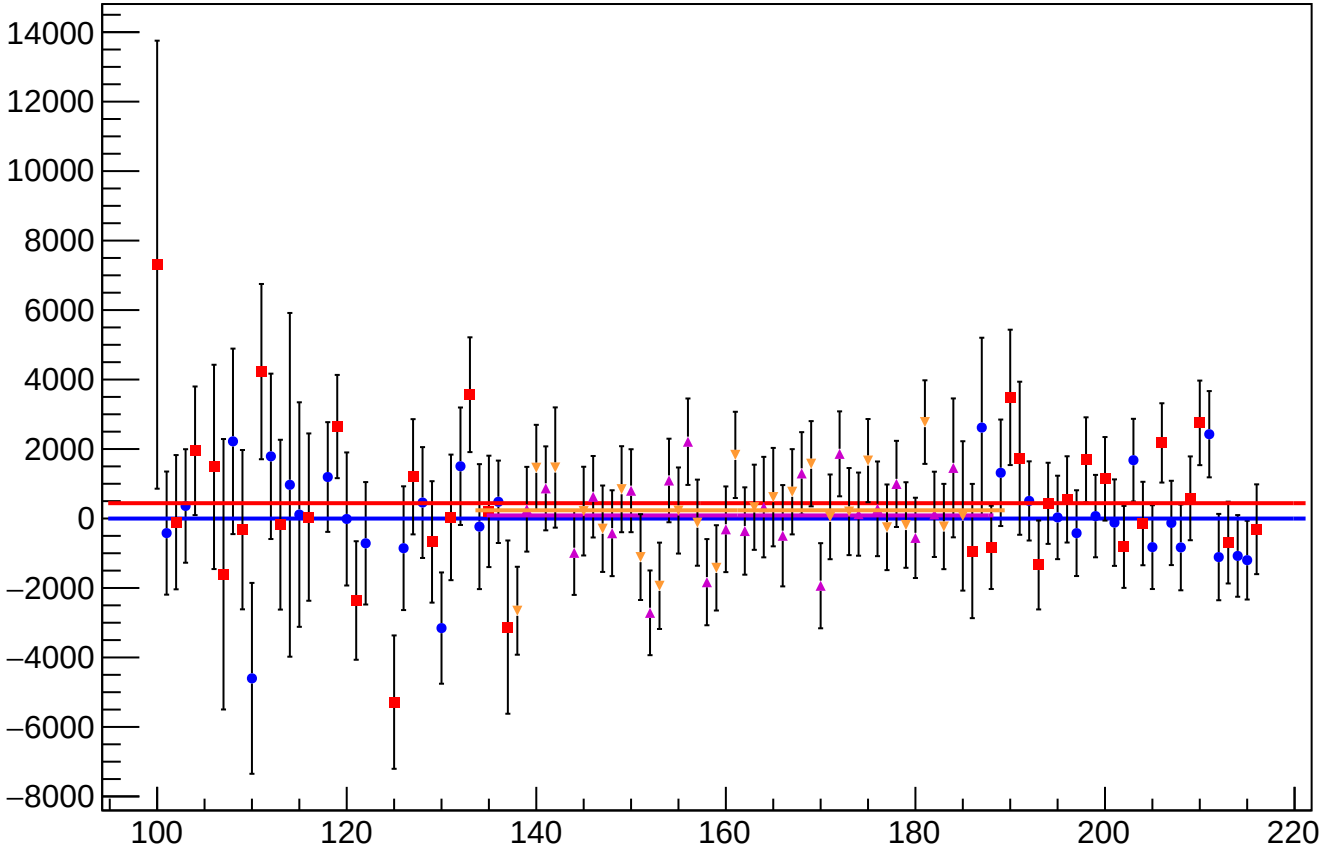
Right: 0.000+/-0.000 χ^2/NDF: 10013239.4/64

In: 0.000+/-0.000 χ^2/NDF:24331526.5/53

Out: 0.000+/-0.000 χ^2/NDF:17329999.7/57

All: 0.000+/-0.000 χ^2/NDF: 42680155.6/111

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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: 440.956+/-266.486 χ^2/NDF: 41.2/33

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

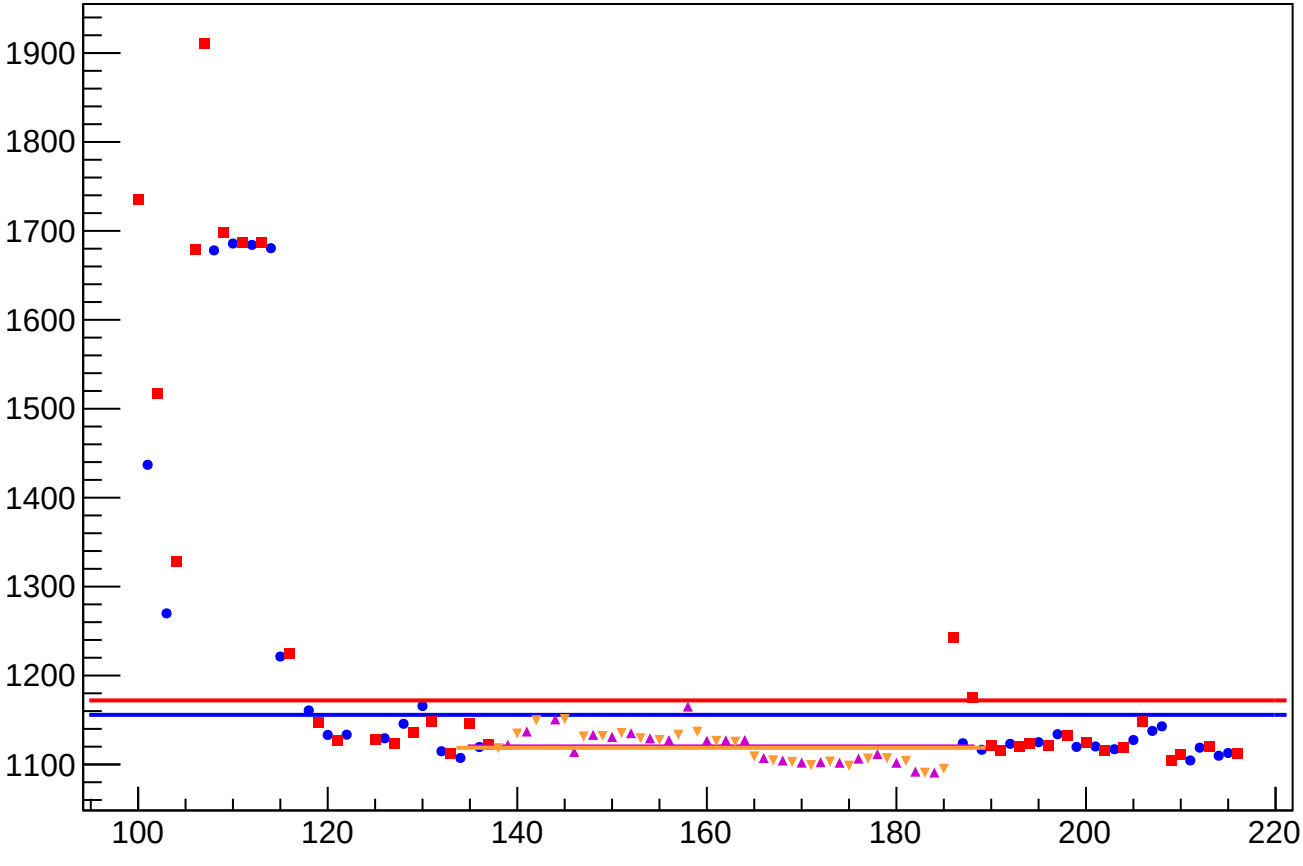
Right: 217.942+/-187.645 χ^2/NDF: 64.2/64

In: 43.956+/-185.916 χ^2/NDF:42.6/53

Out: 336.131+/-185.977 χ^2/NDF:64.2/57

All: 189.996+/-131.484 χ^2/NDF: 108.1/111

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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: 1172.016+/-0.188 χ^2/NDF: 561995.4/33

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

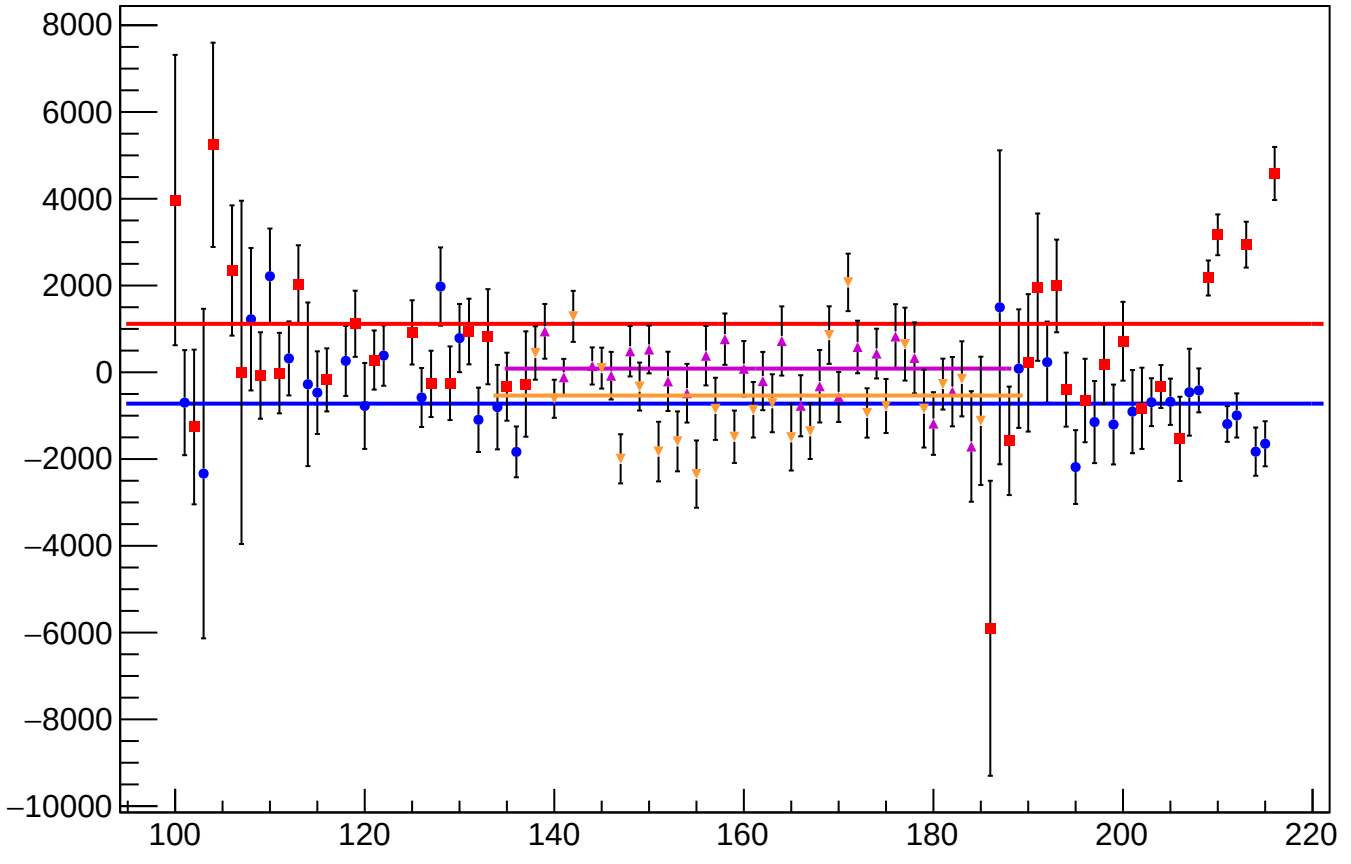
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1163.832+/-0.133 χ^2/NDF: 928092.8/64

In: 1137.866+/-0.131 χ^2/NDF:390039.4/53

Out: 1144.684+/-0.132 χ^2/NDF:611214.2/57

All: 1141.274+/-0.093 χ^2/NDF: 1002598.1/11



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: 1116.596+/-140.721 χ^2/NDF: 133.9/33

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

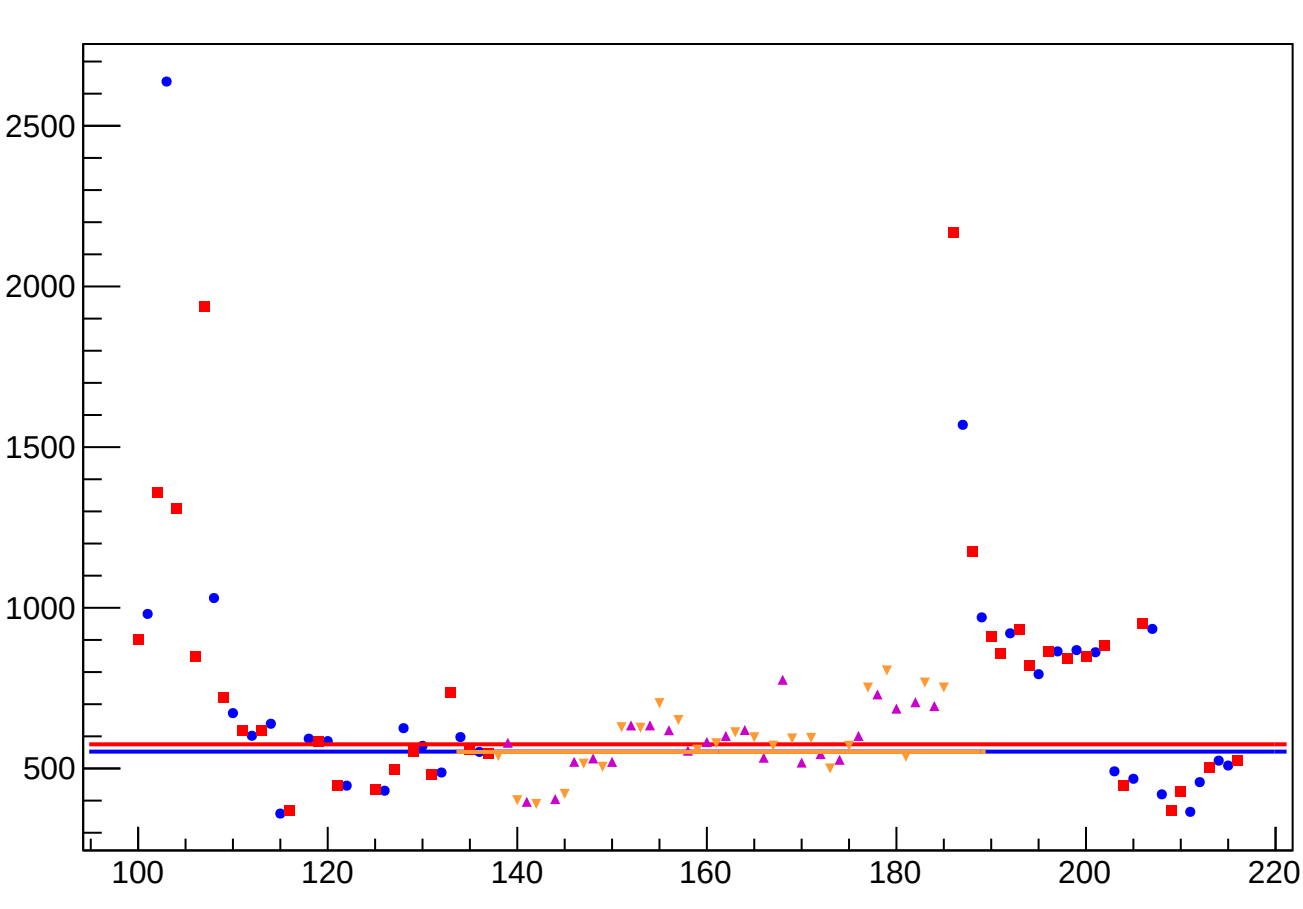
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 157.305+/-97.324 χ^2/NDF: 268.4/64

In: -307.016+/-93.915 χ^2/NDF:81.0/53

Out: 229.079+/-95.745 χ^2/NDF:269.6/57

All: -44.139+/-67.046 χ^2/NDF: 366.5/111



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: 575.198+/-0.100 χ^2/NDF: 4747219.3/33

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

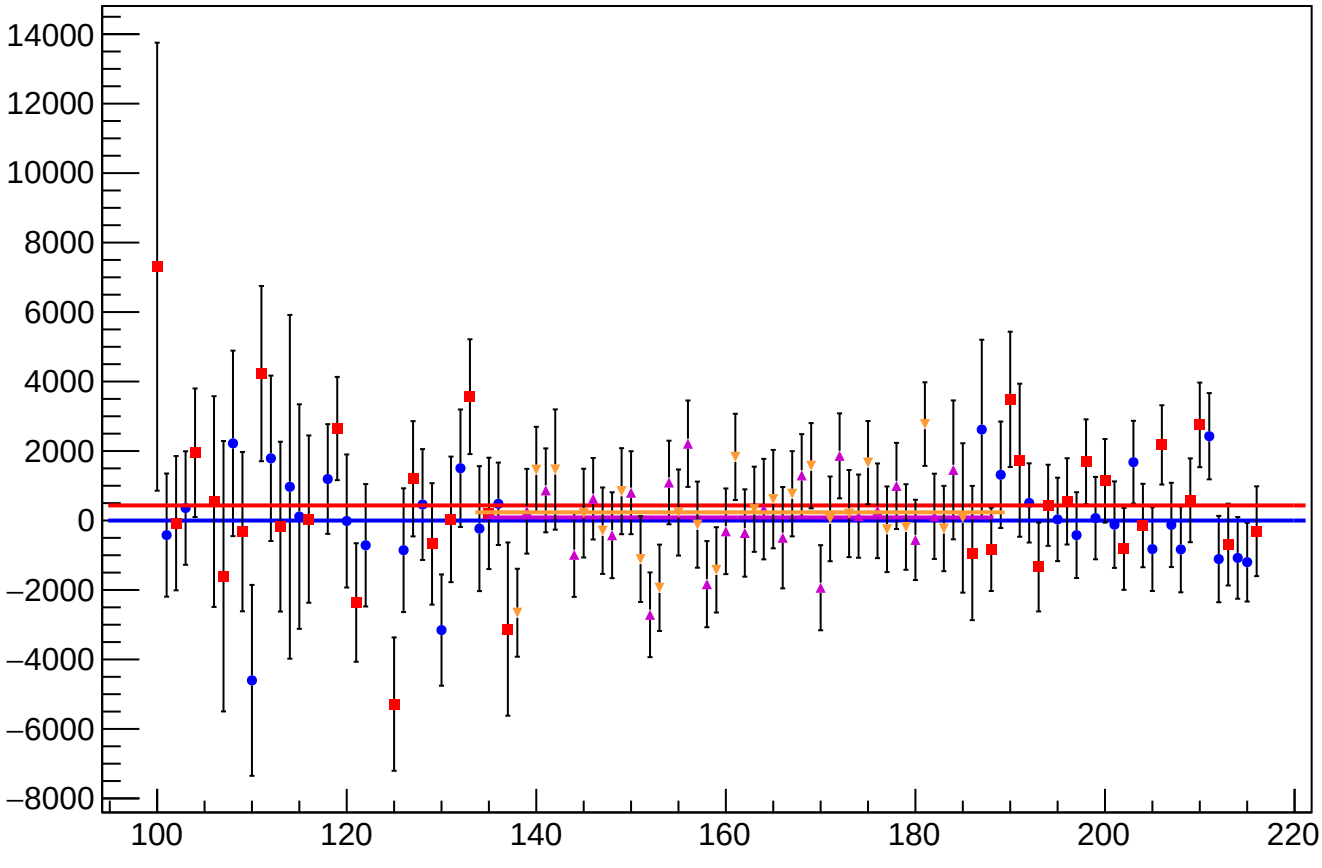
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 563.345+/-0.069 χ^2/NDF: 8549780.5/64

In: 551.891+/-0.066 χ^2/NDF:4837202.4/53

Out: 562.438+/-0.068 χ^2/NDF:6004452.0/57

All: 557.063+/-0.047 χ^2/NDF: 10854023.5/11



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: 433.731+/-266.552 χ^2/NDF: 41.0/33

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

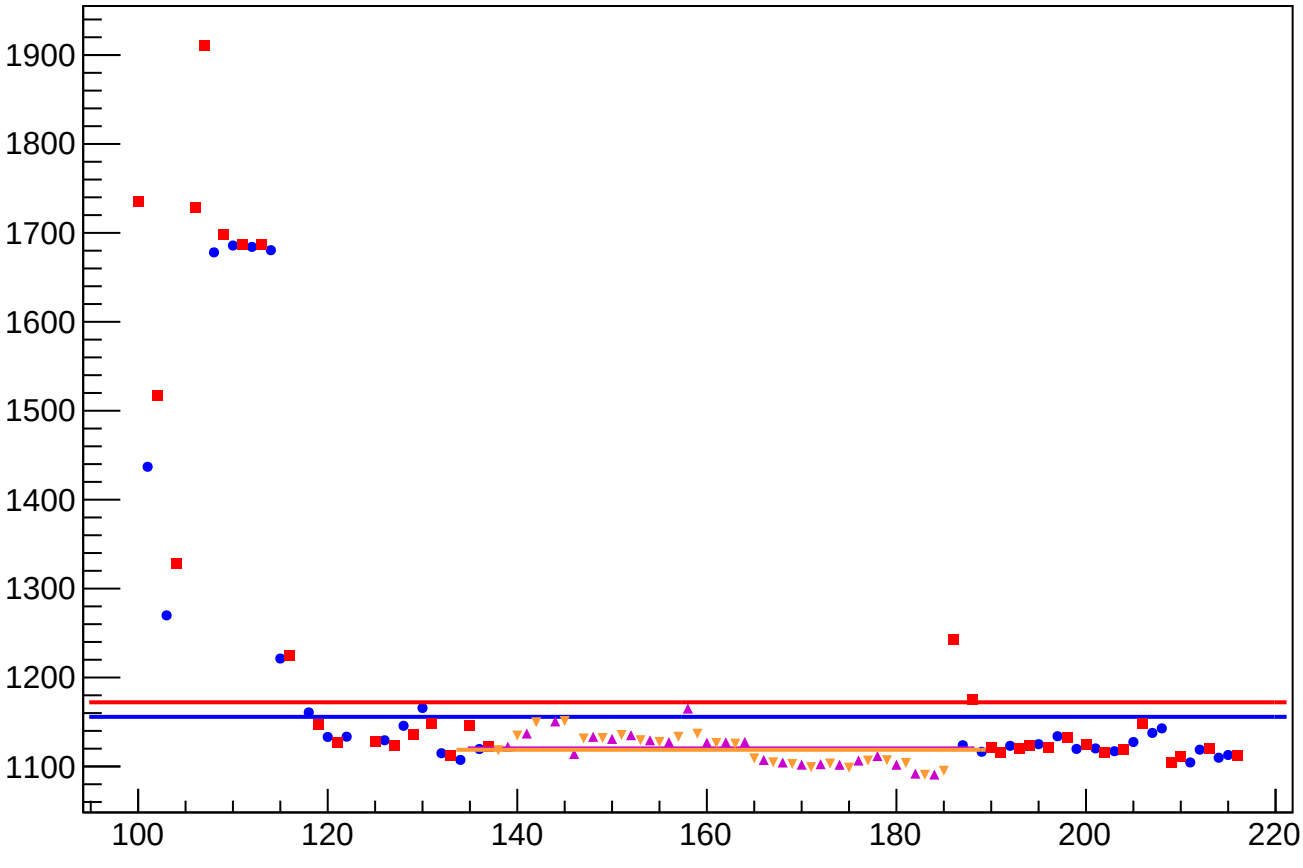
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 214.238+/-187.669 χ^2/NDF: 64.1/64

In: 43.885+/-185.916 χ^2/NDF:42.6/53

Out: 332.609+/-186.000 χ^2/NDF:64.0/57

All: 188.183+/-131.492 χ^2/NDF: 107.9/111



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: 1172.152+/-0.188 χ^2/NDF: 569988.0/33

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

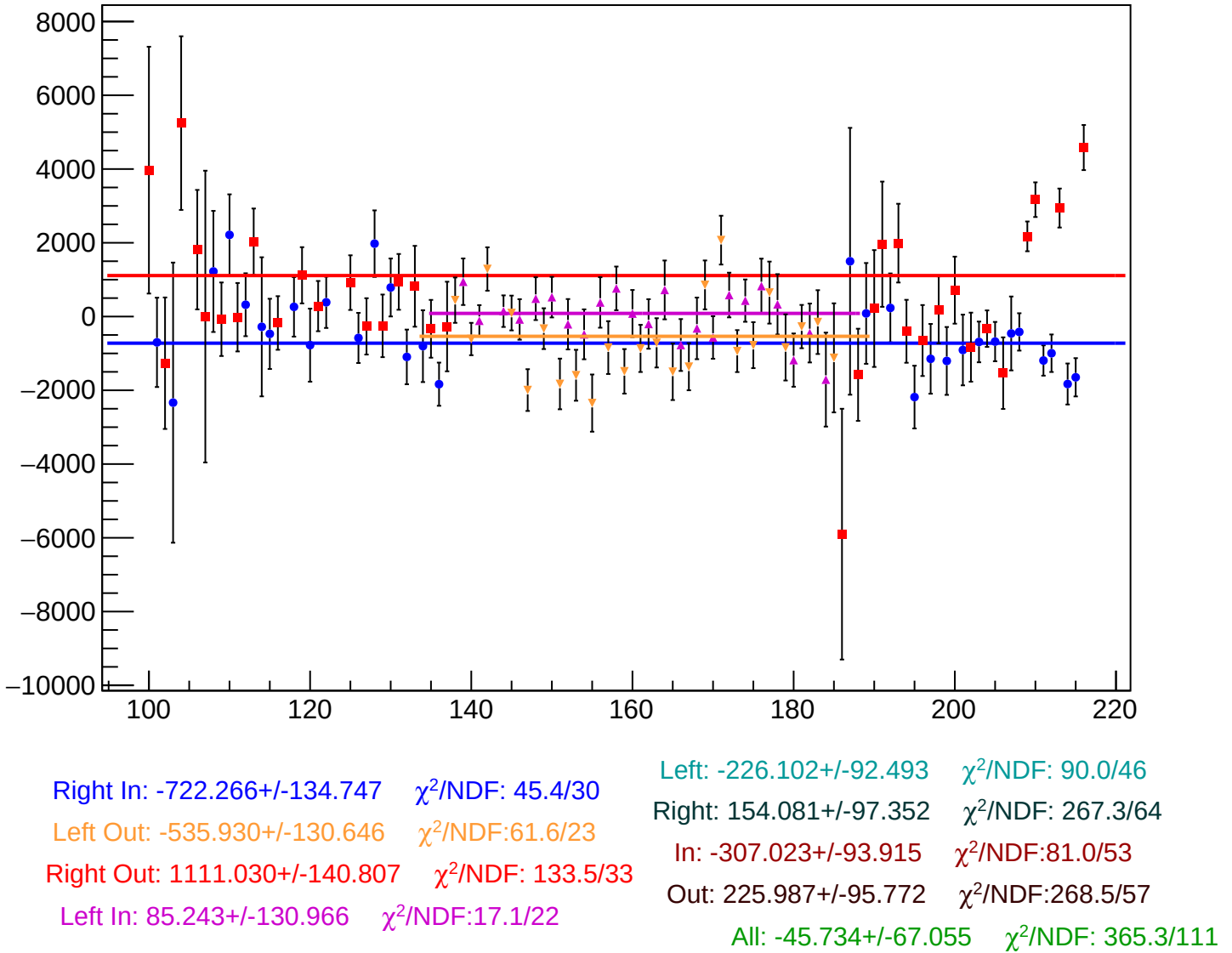
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

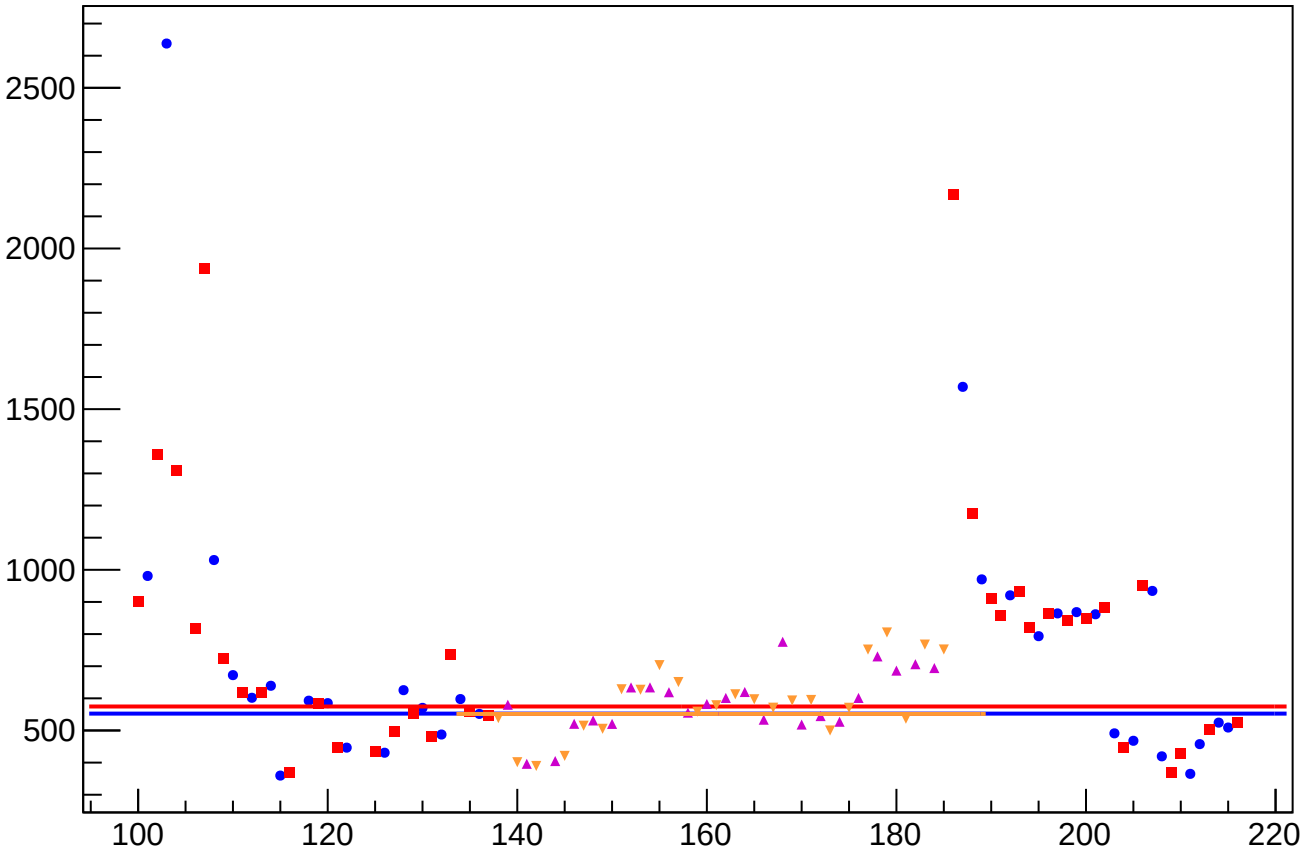
Right: 1163.898+/-0.133 χ^2/NDF: 936147.6/64

In: 1137.866+/-0.131 χ^2/NDF:390039.5/53

Out: 1144.744+/-0.132 χ^2/NDF:619406.5/57

All: 1141.304+/-0.093 χ^2/NDF: 1010813.9/11


asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
220
Right In: -722.266+/-134.747 χ²/NDF: 45.4/30
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 1111.030+/-140.807 χ²/NDF: 133.5/33
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: 154.081+/-97.352 χ²/NDF: 267.3/64
In: -307.023+/-93.915 χ²/NDF:81.0/53
Out: 225.987+/-95.772 χ²/NDF:268.5/57
All: -45.734+/-67.055 χ²/NDF: 365.3/111



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: 574.622+/-0.100 χ^2/NDF: 4726187.3/33

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

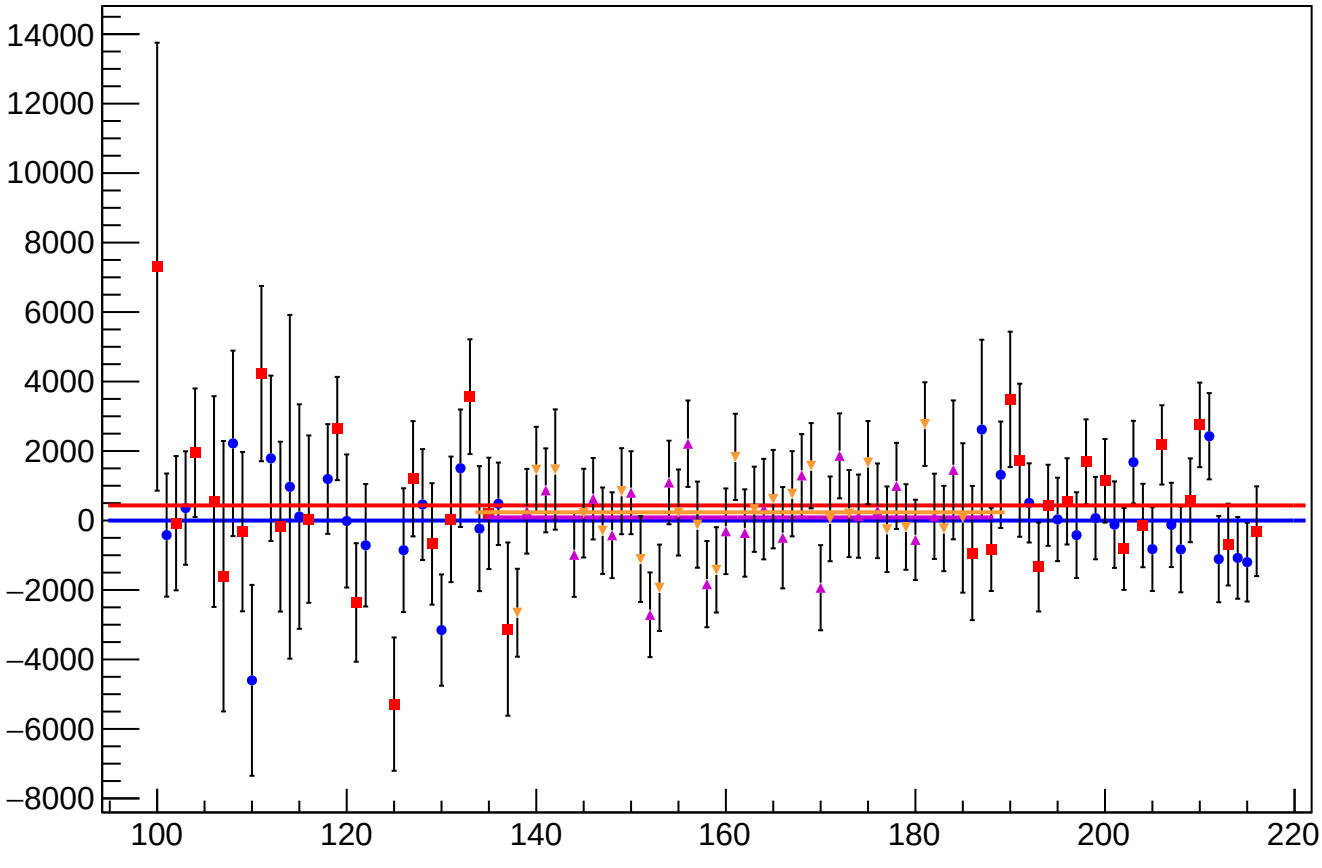
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 563.062+/-0.069 χ^2/NDF: 8527363.6/64

In: 551.889+/-0.066 χ^2/NDF:4837155.6/53

Out: 562.164+/-0.068 χ^2/NDF:5981952.2/57

All: 556.926+/-0.047 χ^2/NDF: 10830843.6/1



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: 433.731+/-266.552 χ^2/NDF: 41.0/33

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

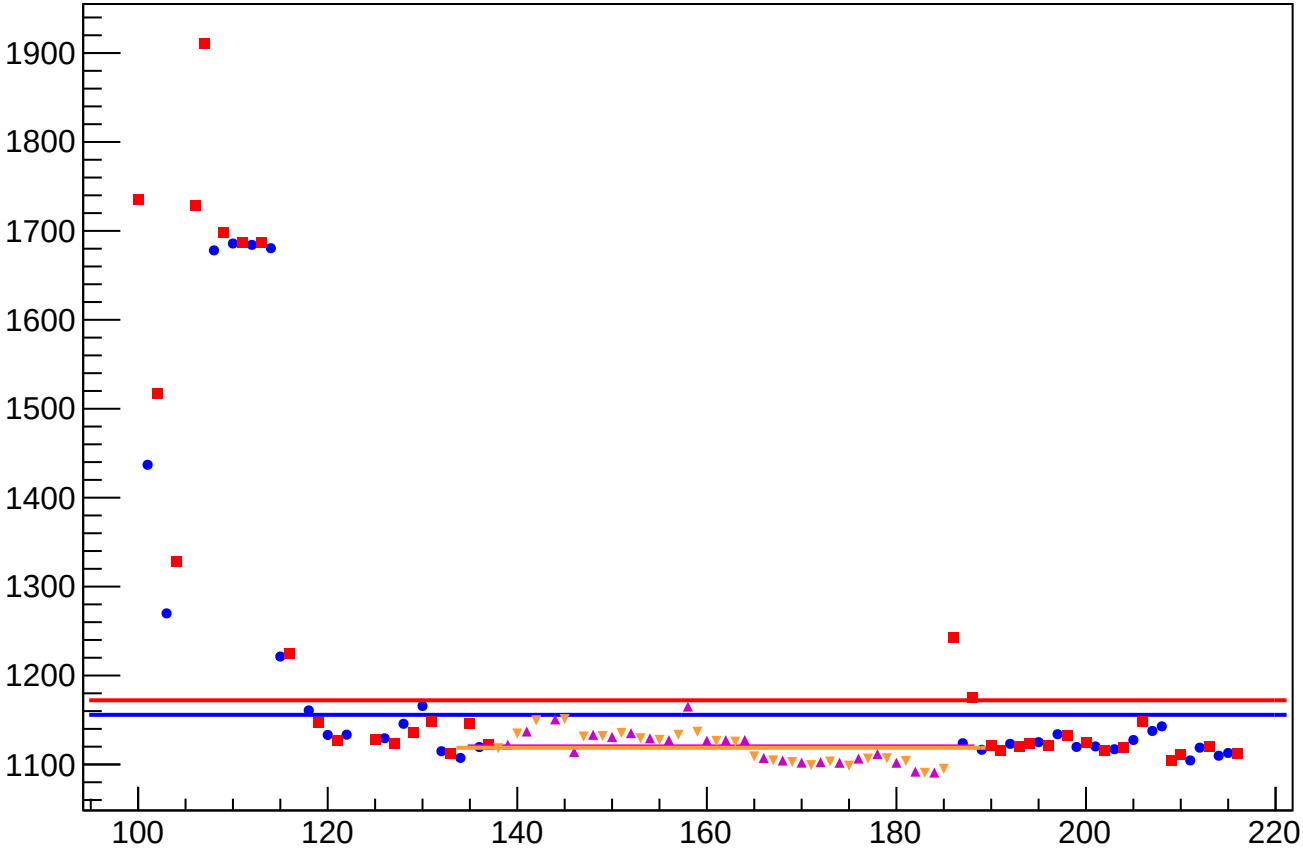
Right: 214.238+/-187.669 χ^2/NDF: 64.1/64

In: 43.885+/-185.916 χ^2/NDF:42.6/53

Out: 332.609+/-186.000 χ^2/NDF:64.0/57

All: 188.183+/-131.492 χ^2/NDF: 107.9/111

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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: 1172.152+/-0.188 χ^2/NDF: 569988.0/33

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

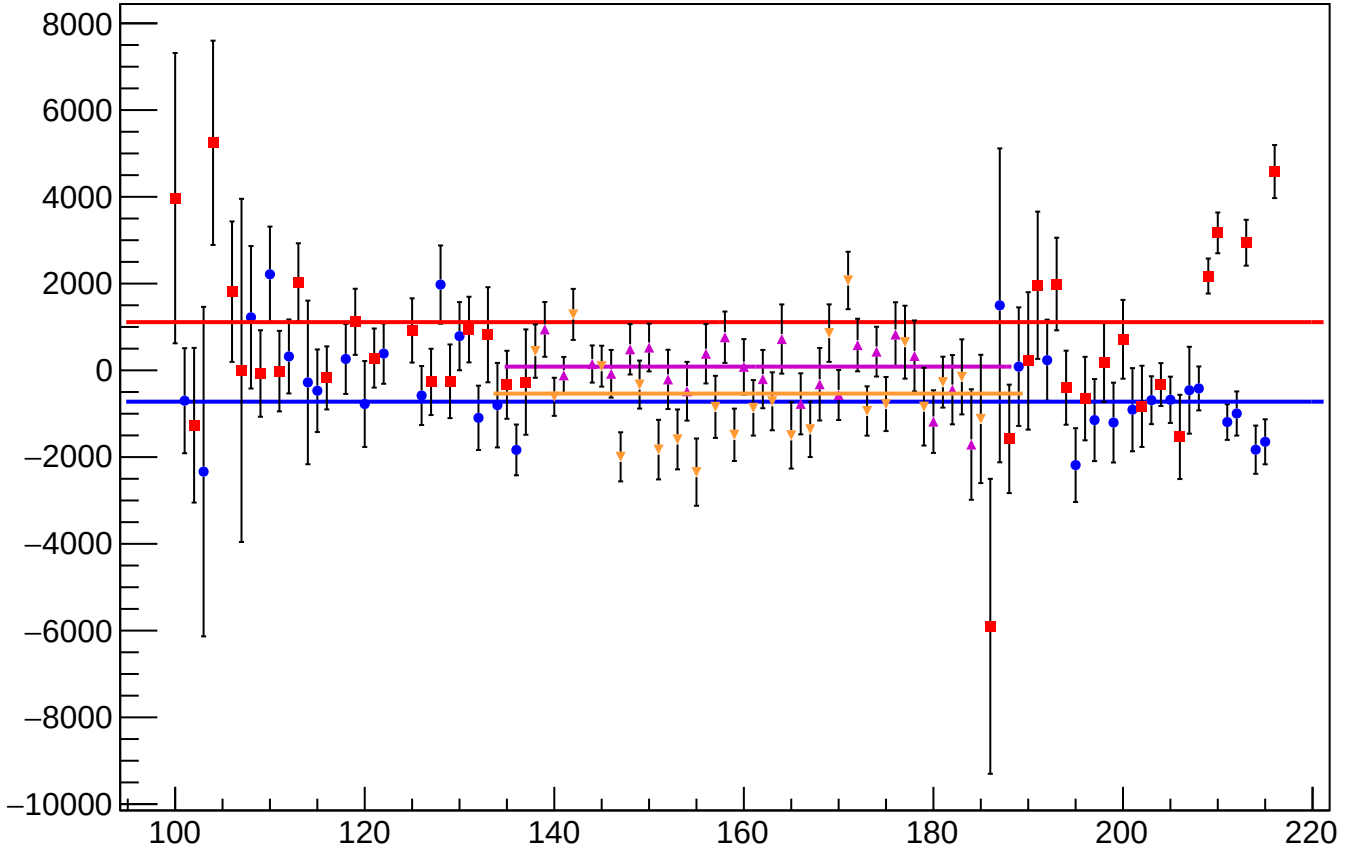
Right: 1163.898+/-0.133 χ^2/NDF: 936147.6/64

In: 1137.866+/-0.131 χ^2/NDF:390039.5/53

Out: 1144.744+/-0.132 χ^2/NDF:619406.5/57

All: 1141.304+/-0.093 χ^2/NDF: 1010813.9/11

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1111.030+/-140.807 χ^2/NDF: 133.5/33

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

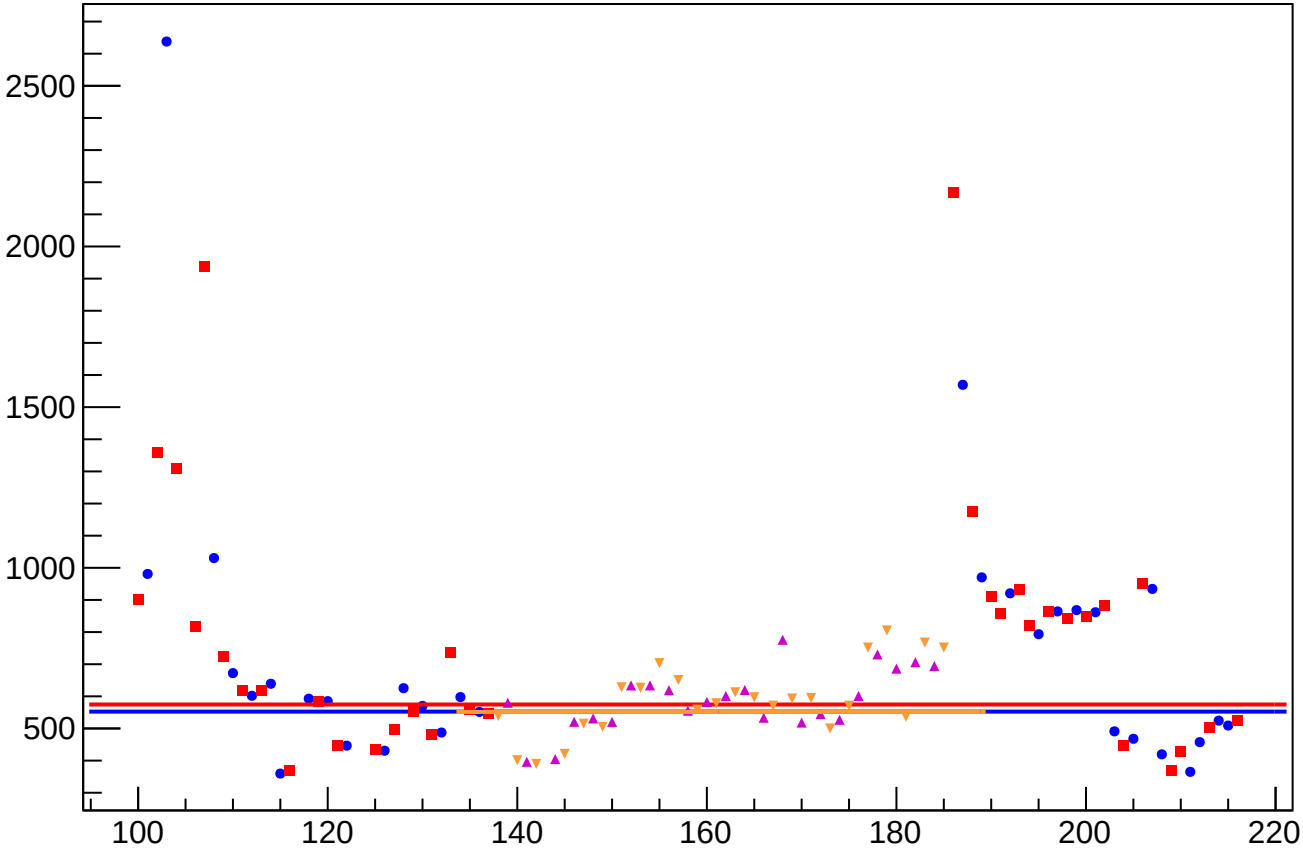
Right: 154.081+/-97.352 χ^2/NDF: 267.3/64

In: -307.023+/-93.915 χ^2/NDF:81.0/53

Out: 225.987+/-95.772 χ^2/NDF:268.5/57

All: -45.734+/-67.055 χ^2/NDF: 365.3/111

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: 574.622+/-0.100 χ^2/NDF: 4726187.3/33

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

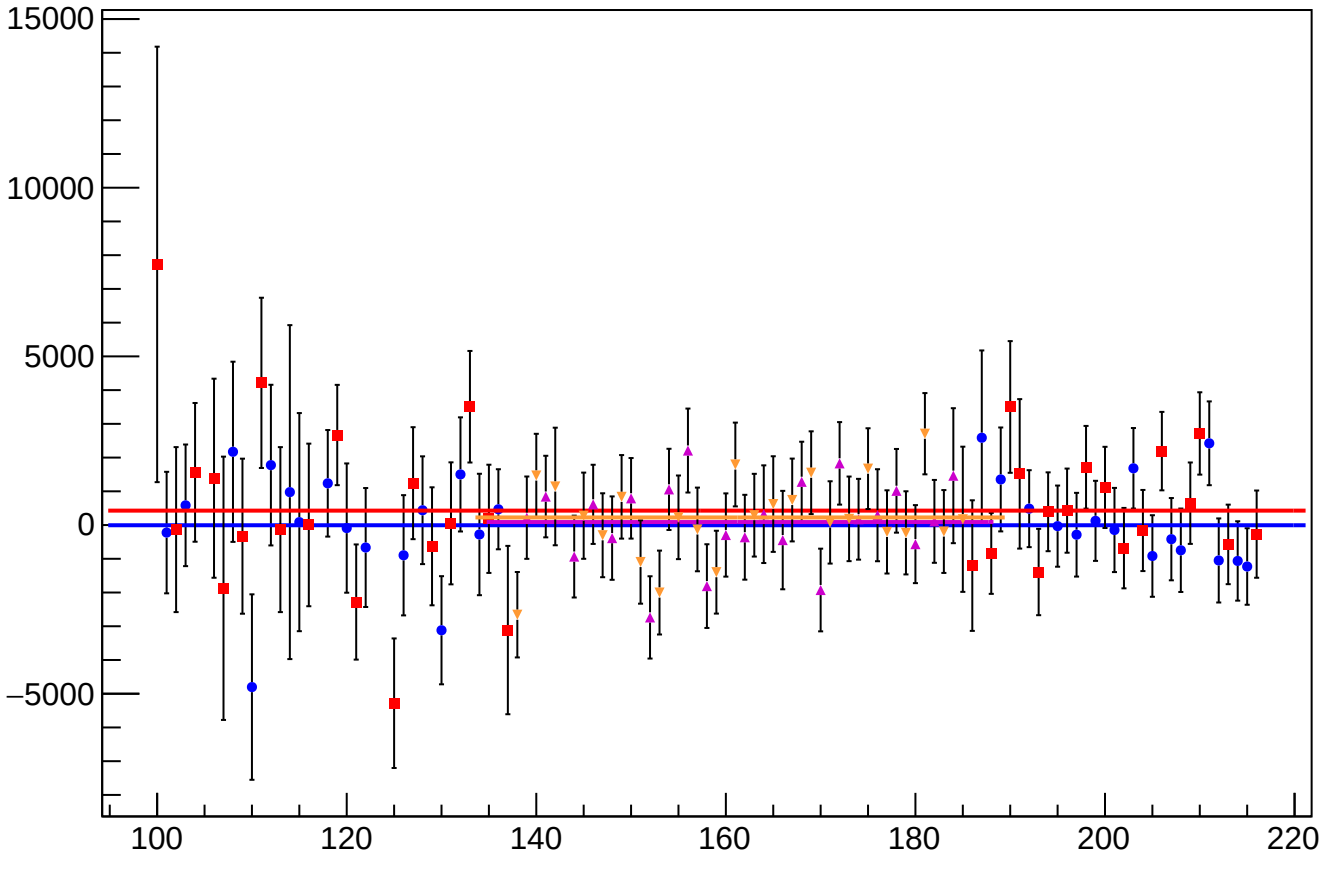
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 563.062+/-0.069 χ^2/NDF: 8527363.6/64

In: 551.889+/-0.066 χ^2/NDF:4837155.6/53

Out: 562.164+/-0.068 χ^2/NDF:5981952.2/57

All: 556.926+/-0.047 χ^2/NDF: 10830843.6/1



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: 427.604+/-268.685 χ^2/NDF: 40.3/33

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

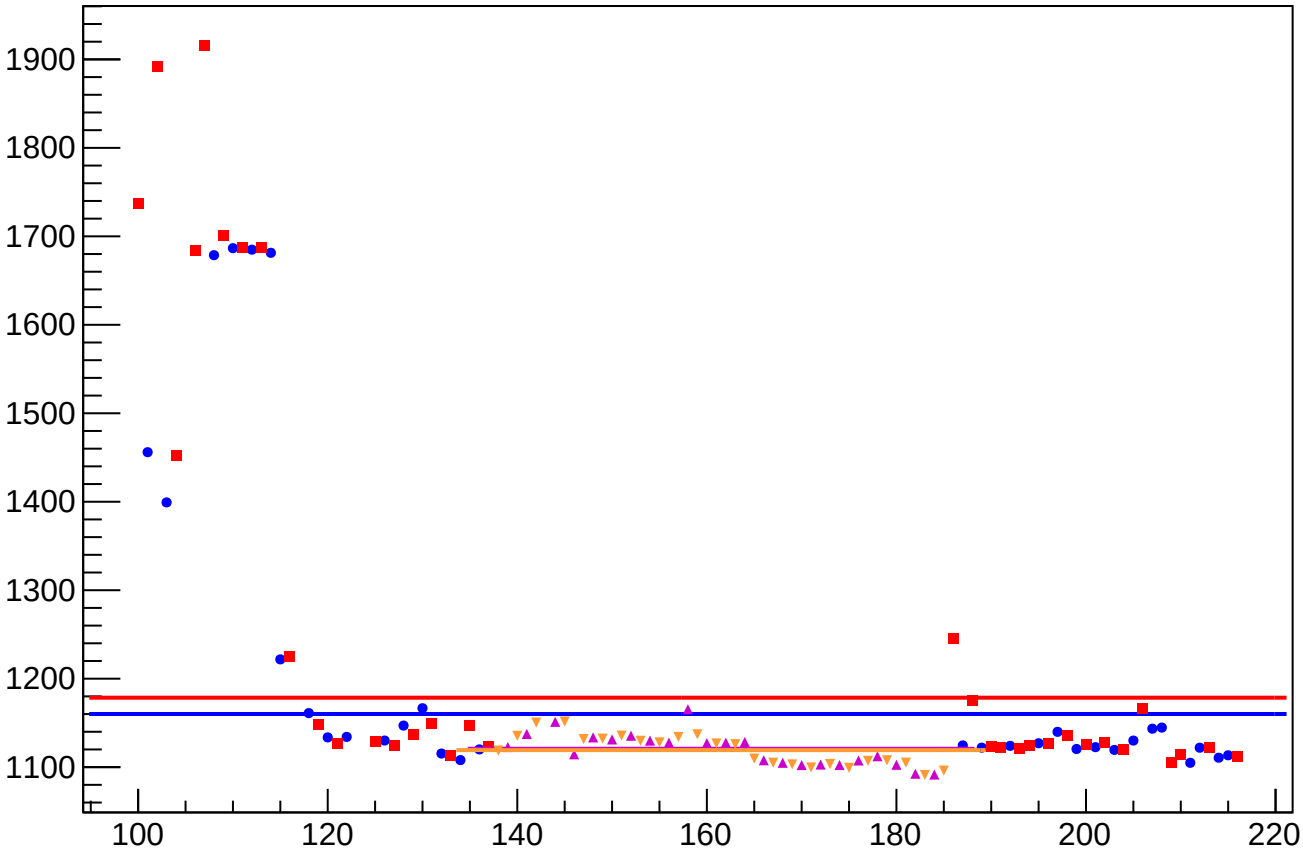
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 208.206+/-188.814 χ^2/NDF: 63.5/64

In: 42.276+/-186.348 χ^2/NDF:42.5/53

Out: 323.251+/-186.779 χ^2/NDF:62.8/57

All: 182.439+/-131.920 χ^2/NDF: 106.4/111



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: 1178.512+/-0.190 χ^2/NDF: 690743.8/33

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

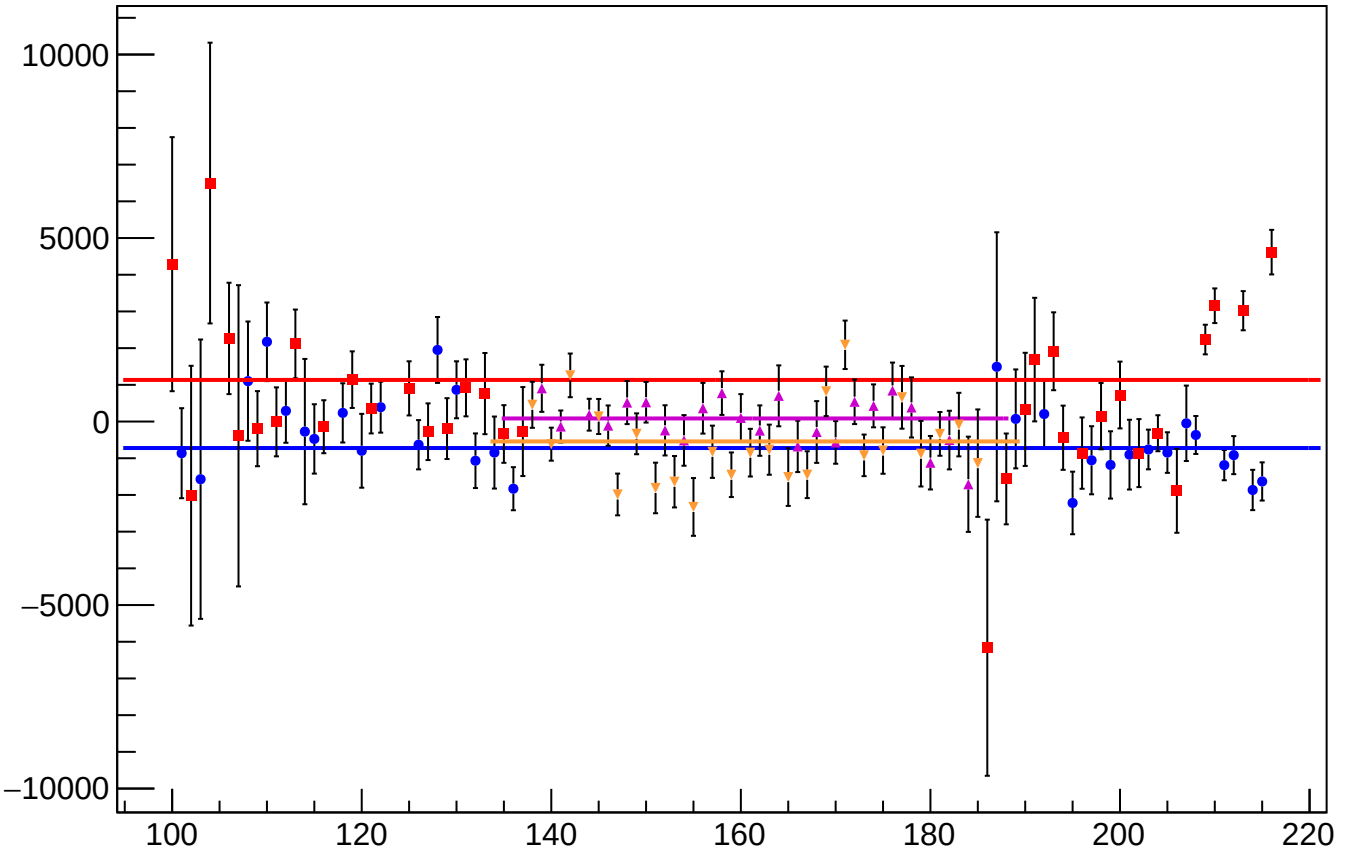
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1169.182+/-0.134 χ^2/NDF: 1087108.8/64

In: 1140.166+/-0.132 χ^2/NDF:423237.8/53

Out: 1147.892+/-0.132 χ^2/NDF:749150.9/57

All: 1144.020+/-0.093 χ^2/NDF: 1174103.9/11



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: 1133.761+/-141.970 χ^2/NDF: 134.5/33

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

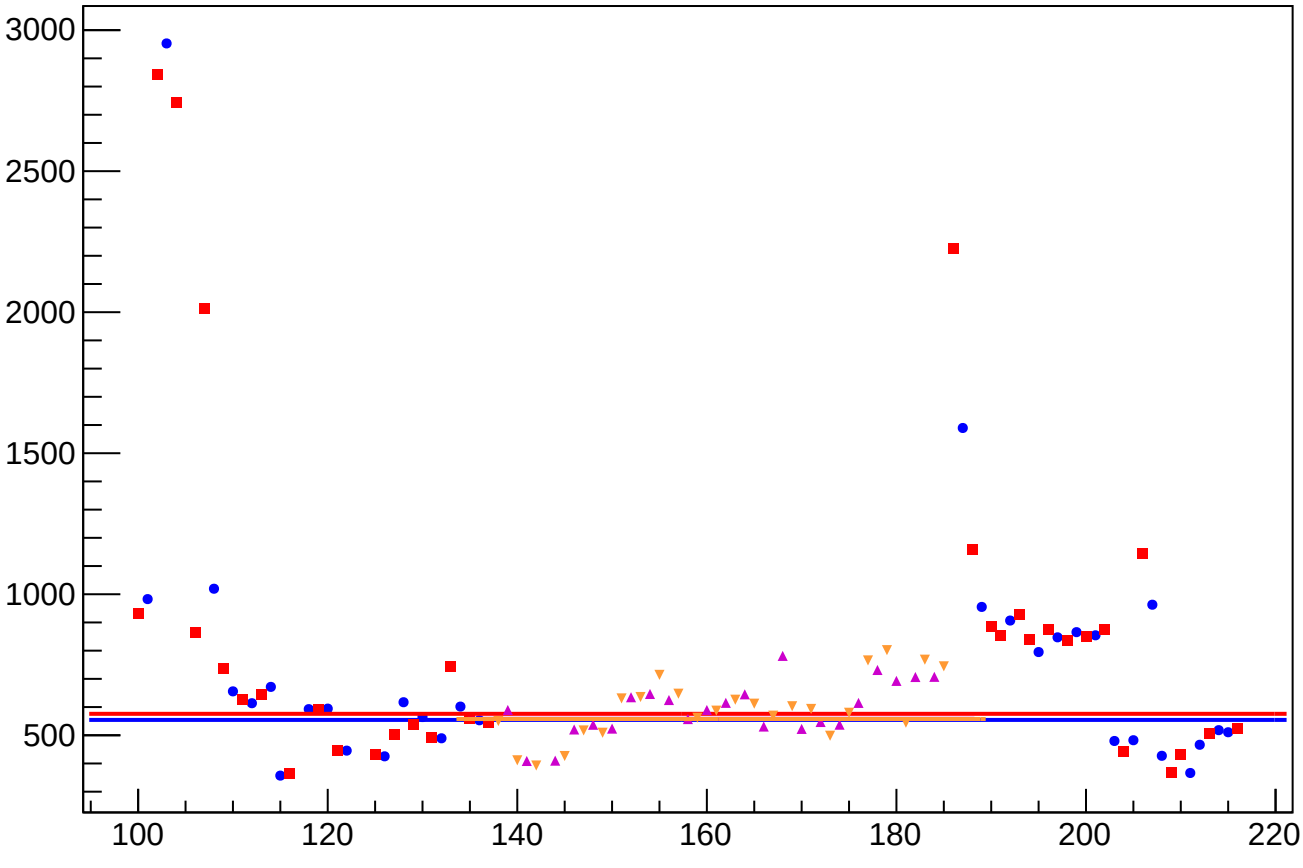
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 160.059+/-97.871 χ^2/NDF: 270.0/64

In: -311.117+/-94.617 χ^2/NDF:80.5/53

Out: 235.270+/-96.675 χ^2/NDF:270.0/57

All: -43.803+/-67.620 χ^2/NDF: 366.8/111



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: 576.050+/-0.100 χ^2/NDF: 5861406.8/33

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

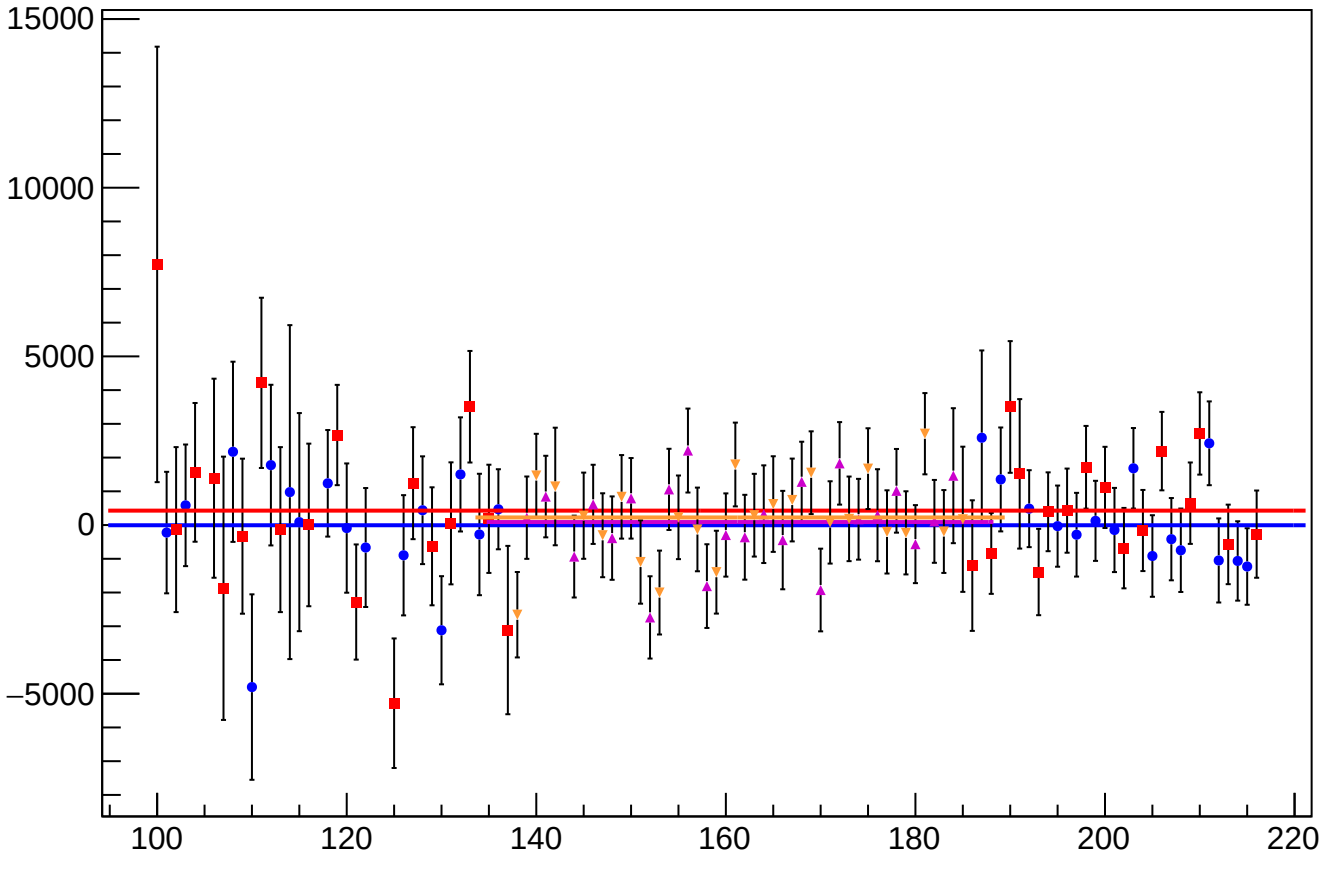
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 564.708+/-0.069 χ^2/NDF: 9794025.3/64

In: 556.452+/-0.067 χ^2/NDF:4936980.4/53

Out: 566.151+/-0.068 χ^2/NDF:7072809.0/57

All: 561.197+/-0.048 χ^2/NDF: 12020070.5/1



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: 427.603+/-268.685 χ^2/NDF: 40.3/33

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

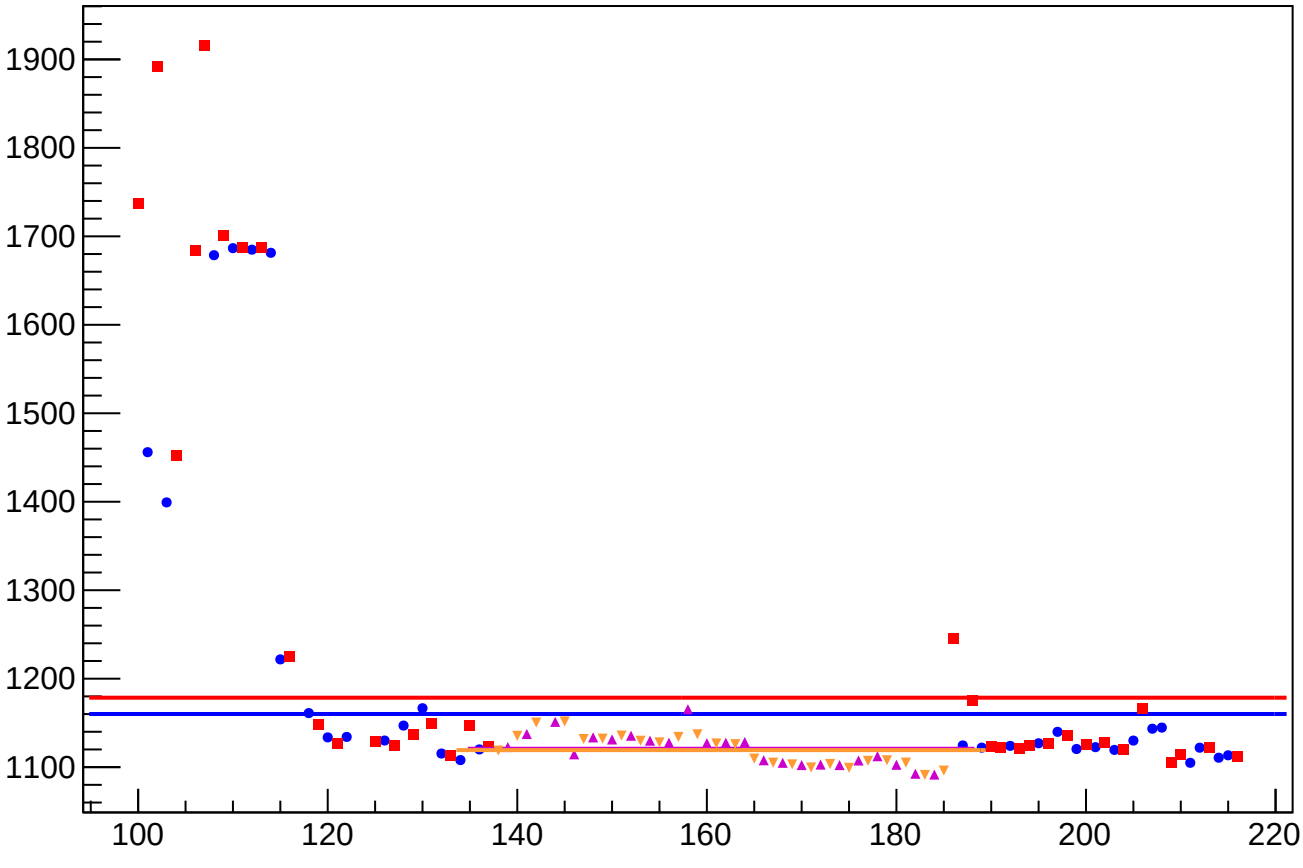
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 208.206+/-188.814 χ^2/NDF: 63.5/64

In: 42.277+/-186.348 χ^2/NDF:42.5/53

Out: 323.249+/-186.779 χ^2/NDF:62.8/57

All: 182.439+/-131.920 χ^2/NDF: 106.4/111



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: 1178.512+/-0.190 χ^2/NDF: 690743.1/33

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

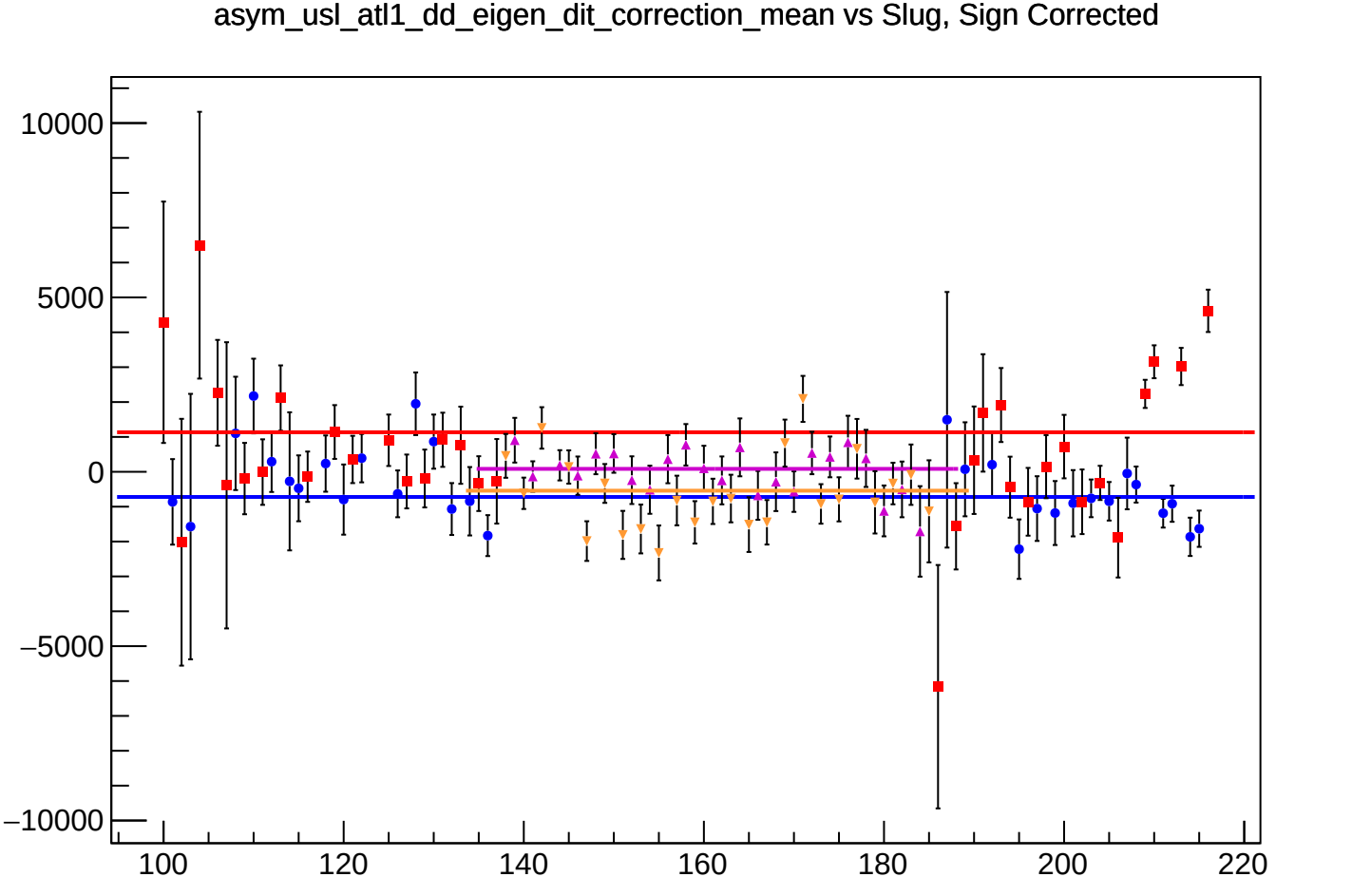
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1169.182+/-0.134 χ^2/NDF: 1087107.6/64

In: 1140.166+/-0.132 χ^2/NDF:423237.3/53

Out: 1147.892+/-0.132 χ^2/NDF:749150.2/57

All: 1144.020+/-0.093 χ^2/NDF: 1174102.7/11



Right In: -721.752+/-135.105 χ^2/NDF: 45.9/30

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 1133.761+/-141.970 χ^2/NDF: 134.5/33

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

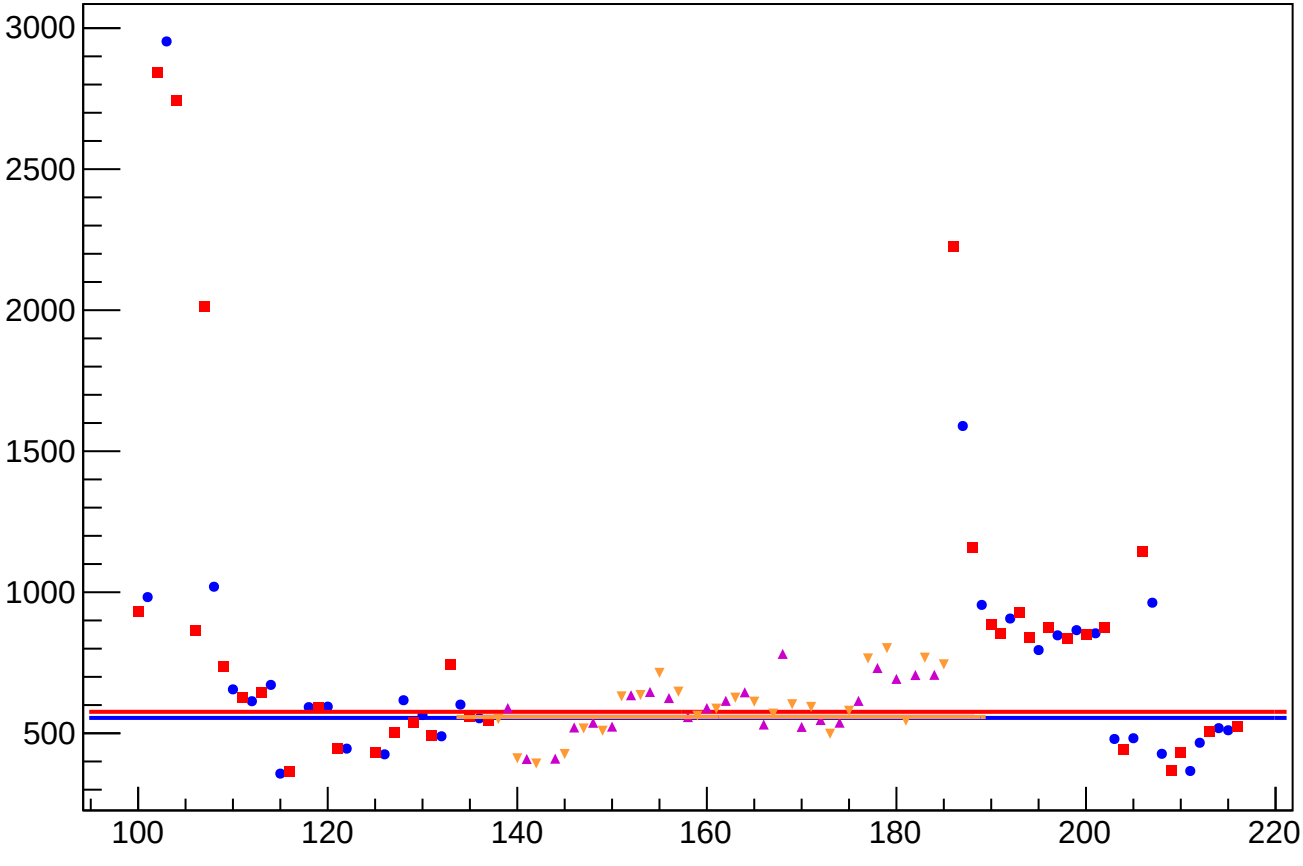
Right: 160.059+/-97.871 χ^2/NDF: 270.0/64

In: -311.117+/-94.617 χ^2/NDF:80.5/53

Out: 235.270+/-96.675 χ^2/NDF:270.0/57

All: -43.803+/-67.620 χ^2/NDF: 366.8/111

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 554.436+/-0.096 χ^2/NDF: 3908294.7/30

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 576.050+/-0.100 χ^2/NDF: 5861414.8/33

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

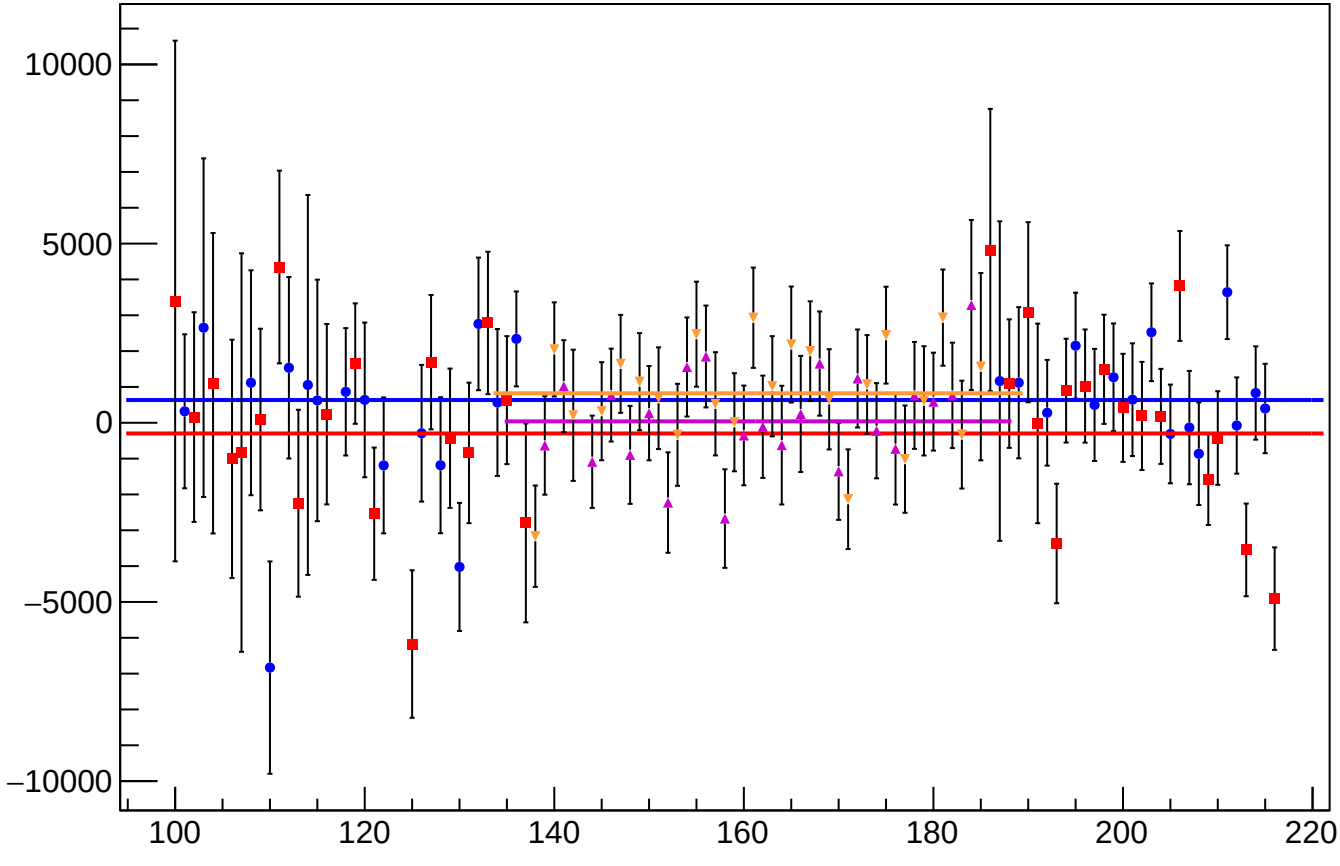
Right: 564.708+/-0.069 χ^2/NDF: 9794036.4/64

In: 556.452+/-0.067 χ^2/NDF:4936997.7/53

Out: 566.150+/-0.068 χ^2/NDF:7072838.8/57

All: 561.197+/-0.048 χ^2/NDF: 12020117.6/11

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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: -298.312+/-319.444 χ^2/NDF: 55.4/33

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

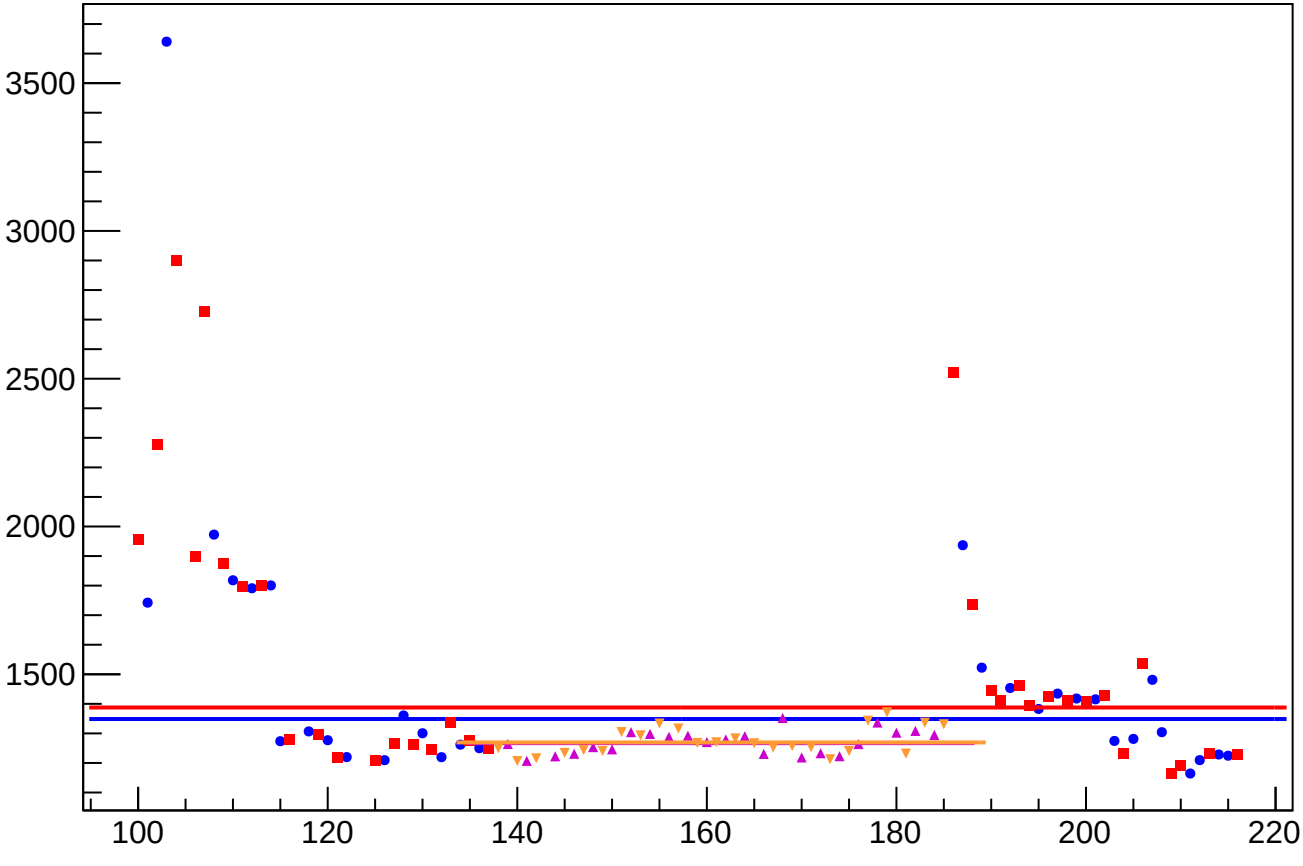
Right: 180.016+/-223.027 χ^2/NDF: 89.1/64

In: 322.113+/-214.583 χ^2/NDF:49.1/53

Out: 307.365+/-216.658 χ^2/NDF:88.2/57

All: 314.810+/-152.461 χ^2/NDF: 137.3/111

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: 1387.598+/-0.226 χ^2/NDF: 1329029.8/33

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

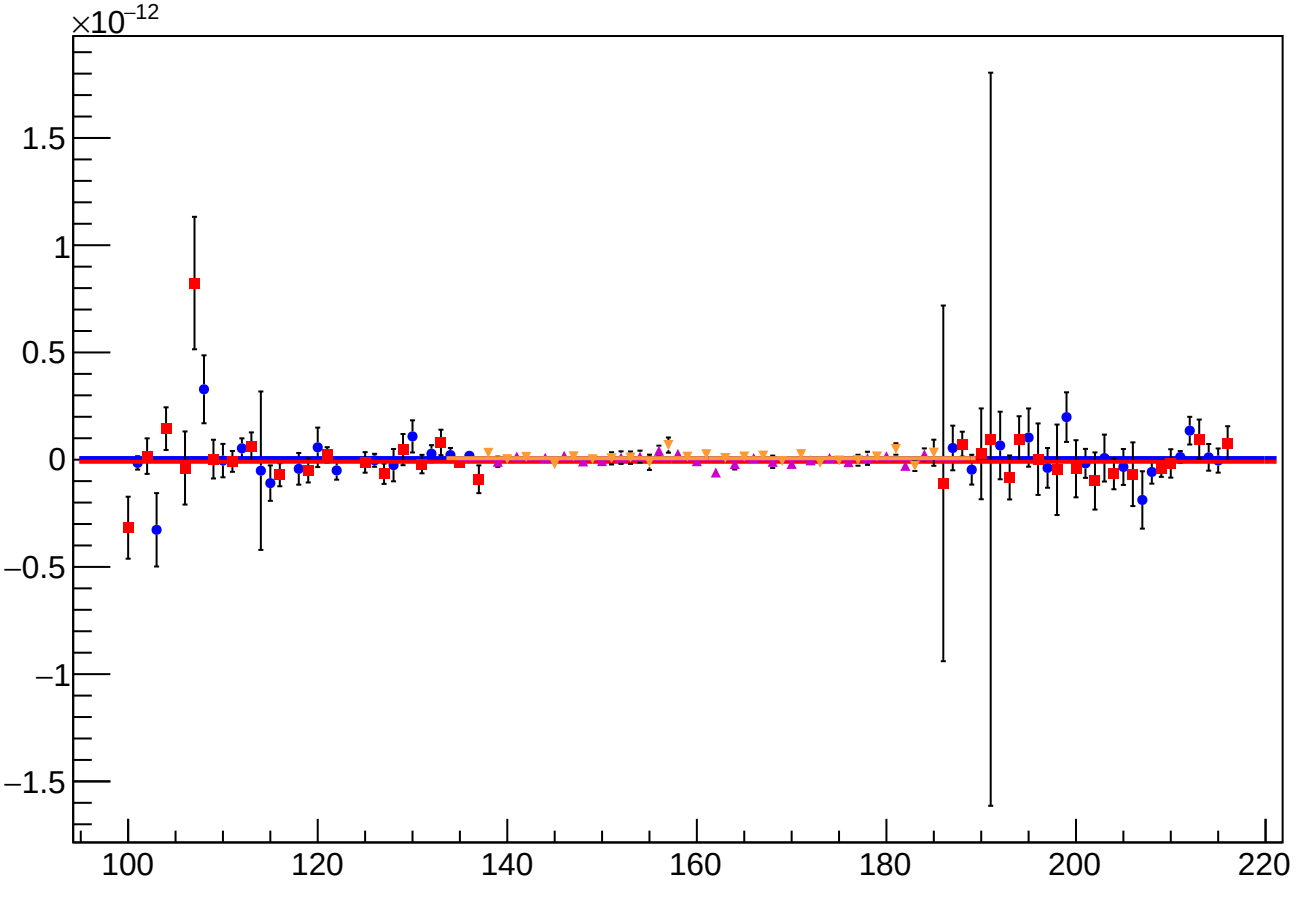
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1367.645+/-0.158 χ^2/NDF: 2335038.7/64

In: 1305.785+/-0.152 χ^2/NDF:1097451.5/53

Out: 1323.794+/-0.153 χ^2/NDF:1519830.2/57

All: 1314.702+/-0.108 χ^2/NDF: 2624257.3/11



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: 32.1/33

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

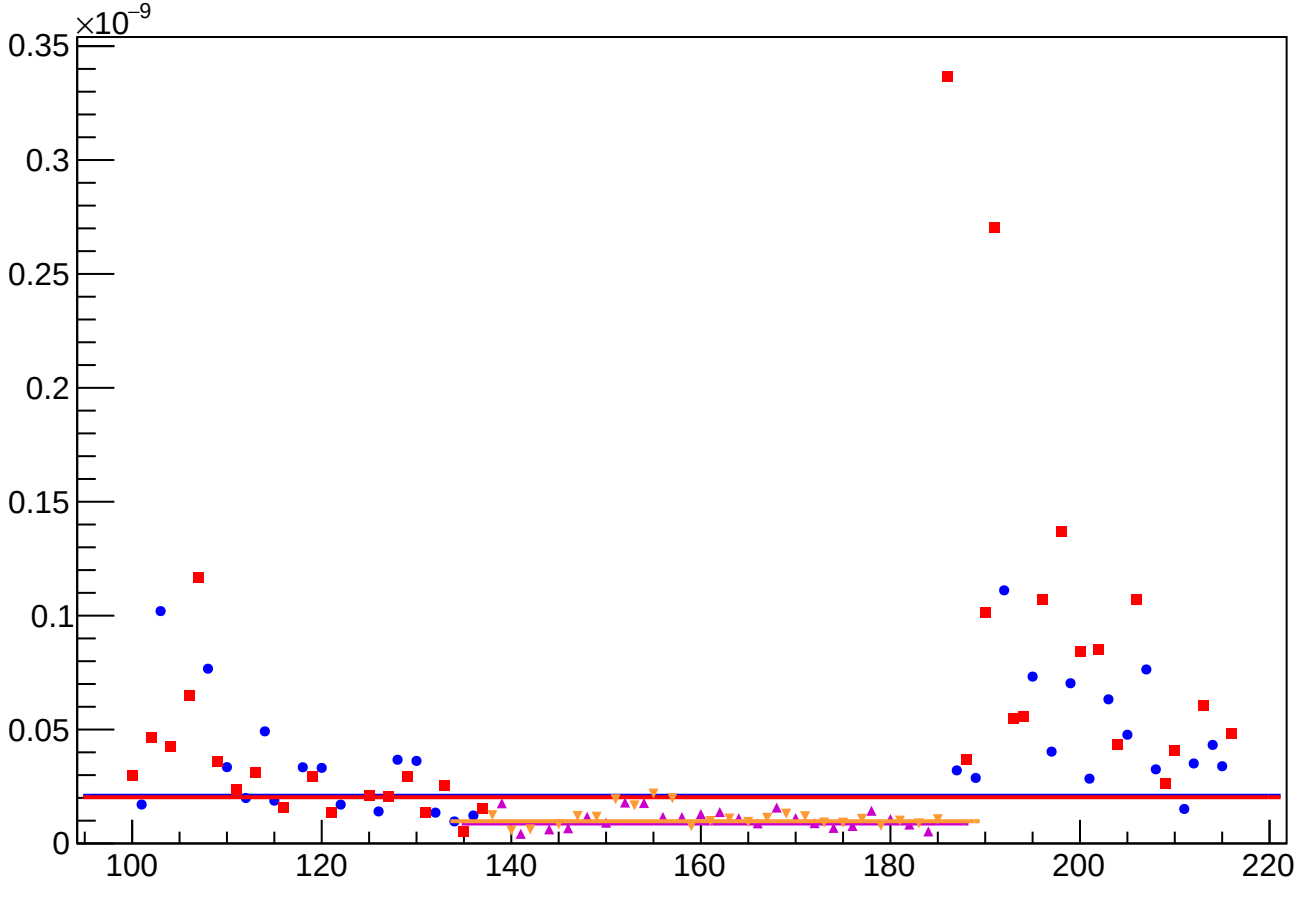
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 63.0/64

In: 0.000+/-0.000 χ^2/NDF:52.4/53

Out: 0.000+/-0.000 χ^2/NDF:54.5/57

All: 0.000+/-0.000 χ^2/NDF: 106.8/111



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: 7979087.4/33

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

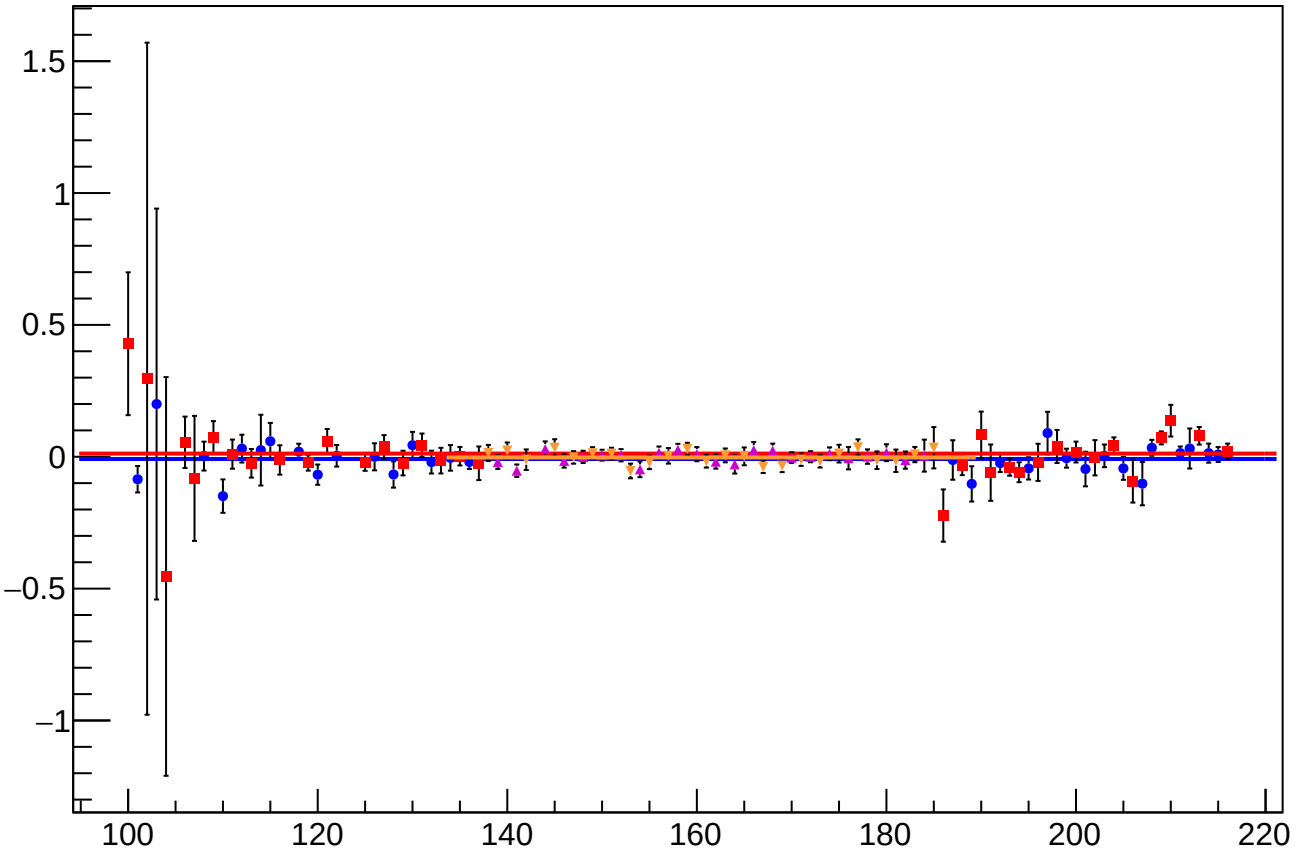
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 12835527.9/64

In: 0.000+/-0.000 χ^2/NDF:9846790.0/53

Out: 0.000+/-0.000 χ^2/NDF:11428847.6/57

All: 0.000+/-0.000 χ^2/NDF: 21330348.7/111



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: 0.012+/-0.008 χ^2/NDF: 42.1/33

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

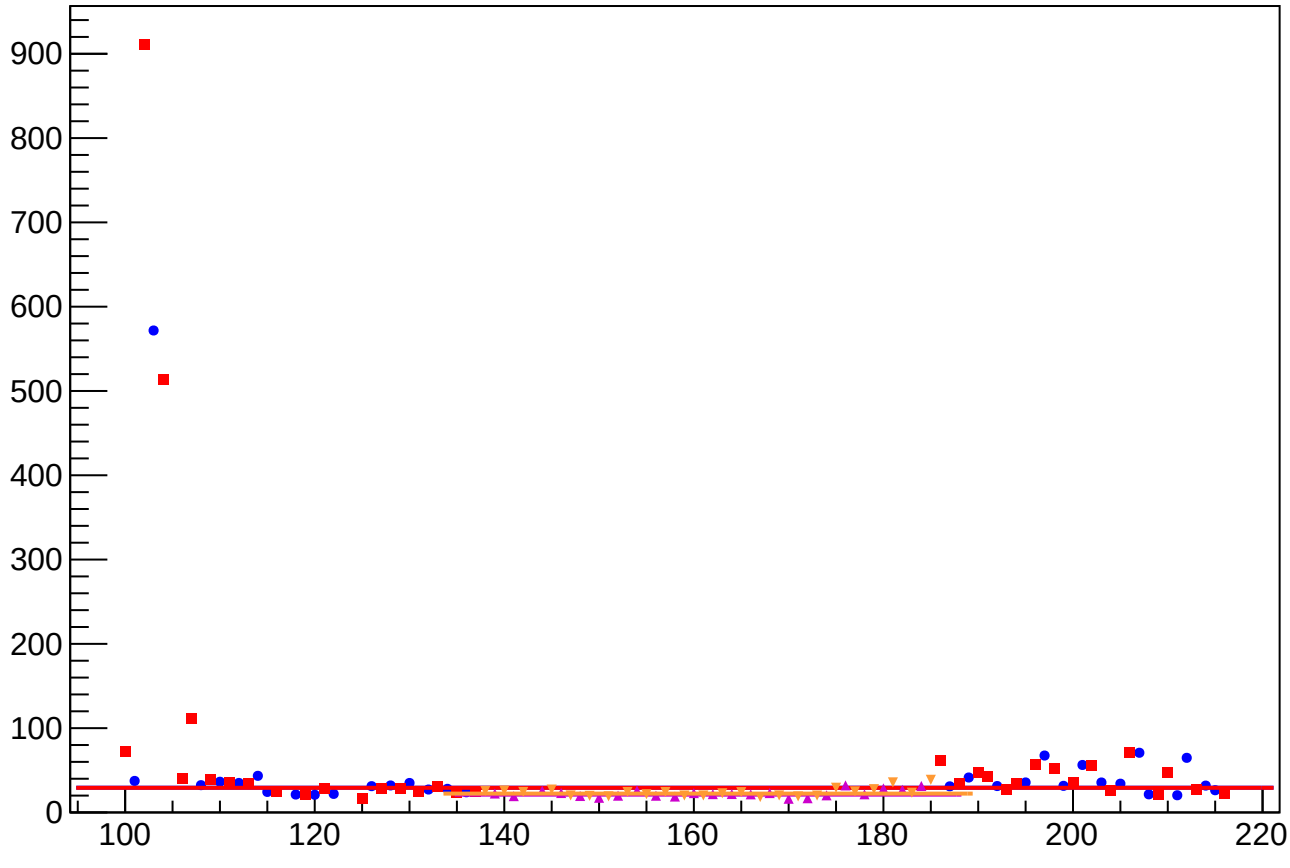
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: 0.002+/-0.006 χ^2/NDF: 71.1/64

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.002+/-0.005 χ^2/NDF:60.8/57

All: -0.001+/-0.003 χ^2/NDF: 102.7/111



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: 29.239+/-0.006 χ^2/NDF: 5148044.3/33

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

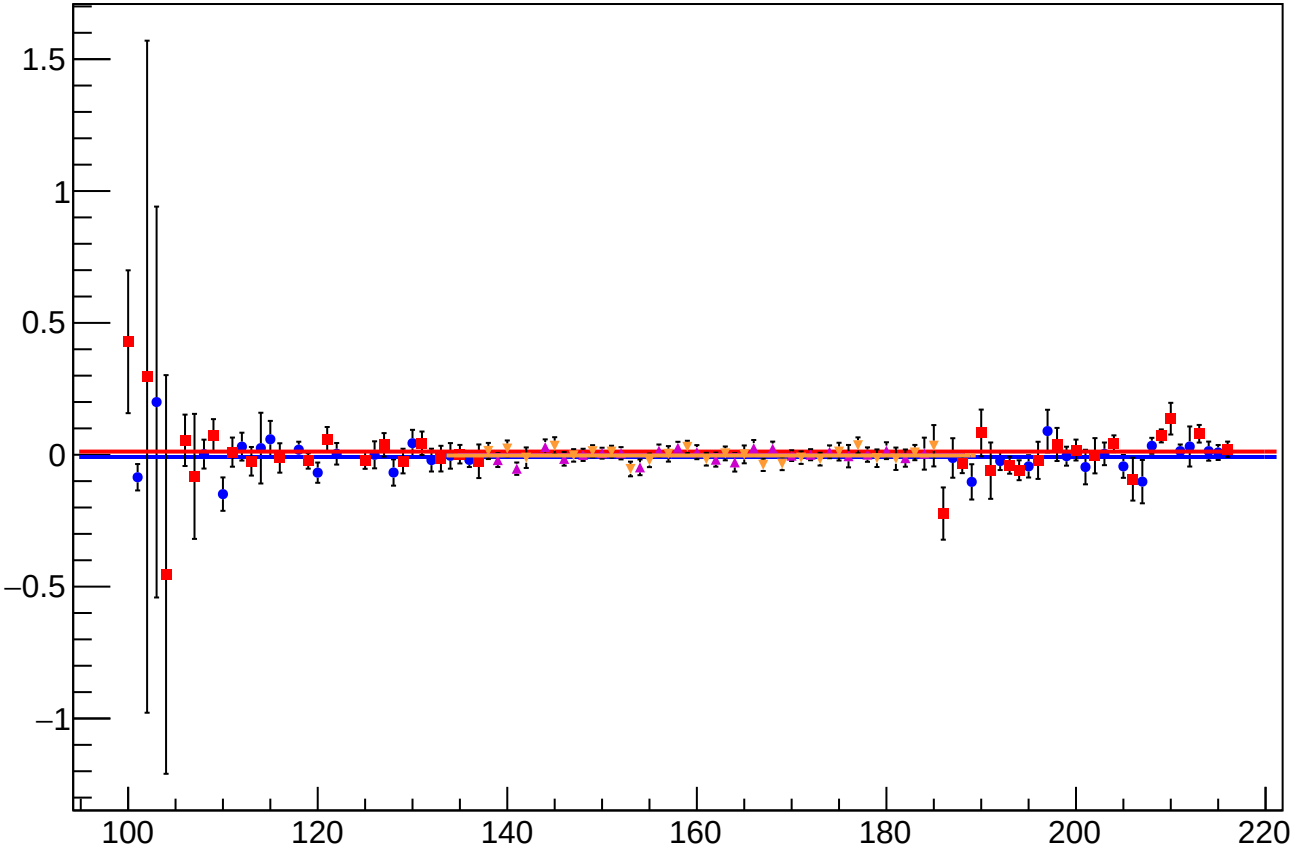
Right: 29.304+/-0.004 χ^2/NDF: 9122239.9/64

In: 23.835+/-0.003 χ^2/NDF:6307842.7/53

Out: 24.711+/-0.003 χ^2/NDF:6968123.0/57

All: 24.260+/-0.002 χ^2/NDF: 13313153.3/111

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: 0.012+/-0.008 χ^2/NDF: 42.1/33

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

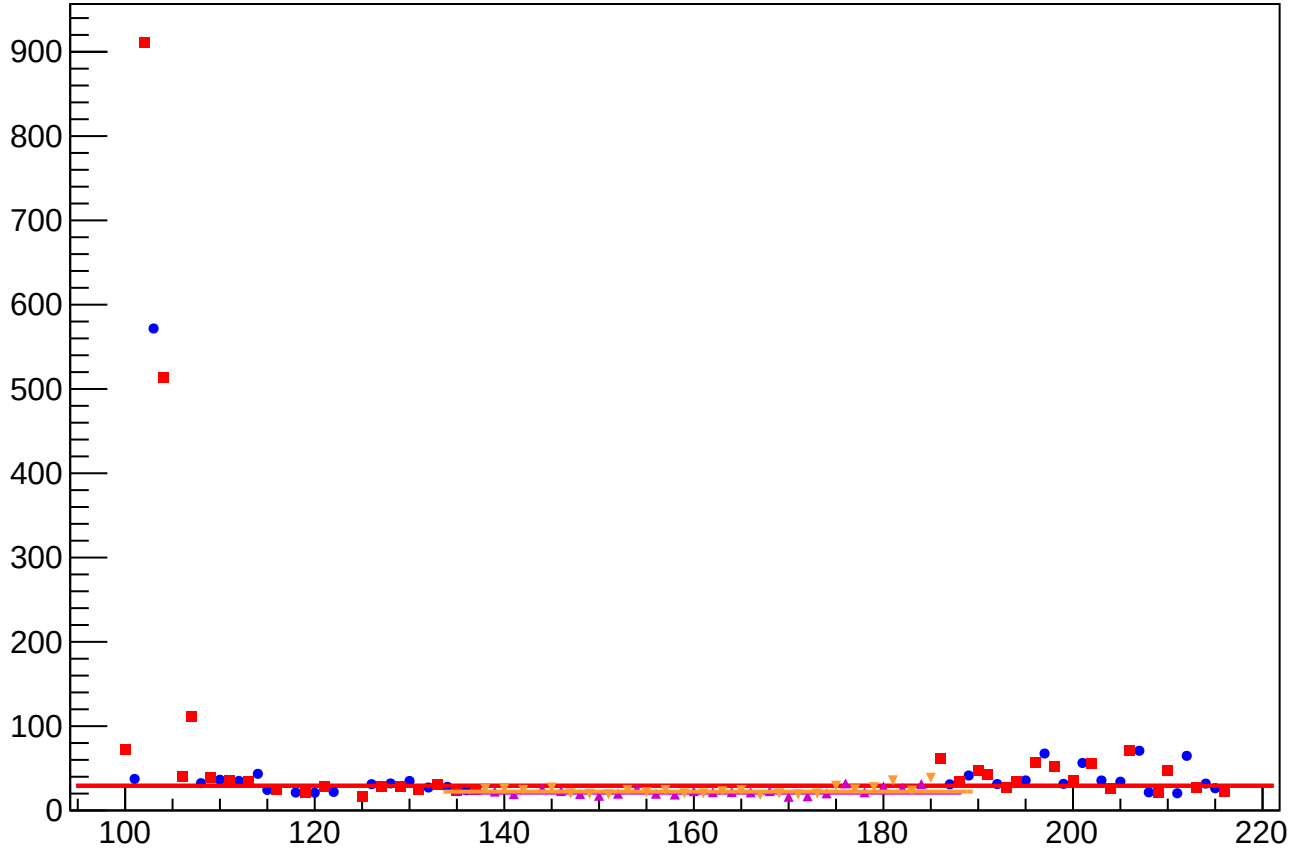
Right: 0.002+/-0.006 χ^2/NDF: 71.1/64

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.002+/-0.005 χ^2/NDF:60.8/57

All: -0.001+/-0.003 χ^2/NDF: 102.7/111

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: 29.239+/-0.006 χ^2/NDF: 5148044.3/33

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

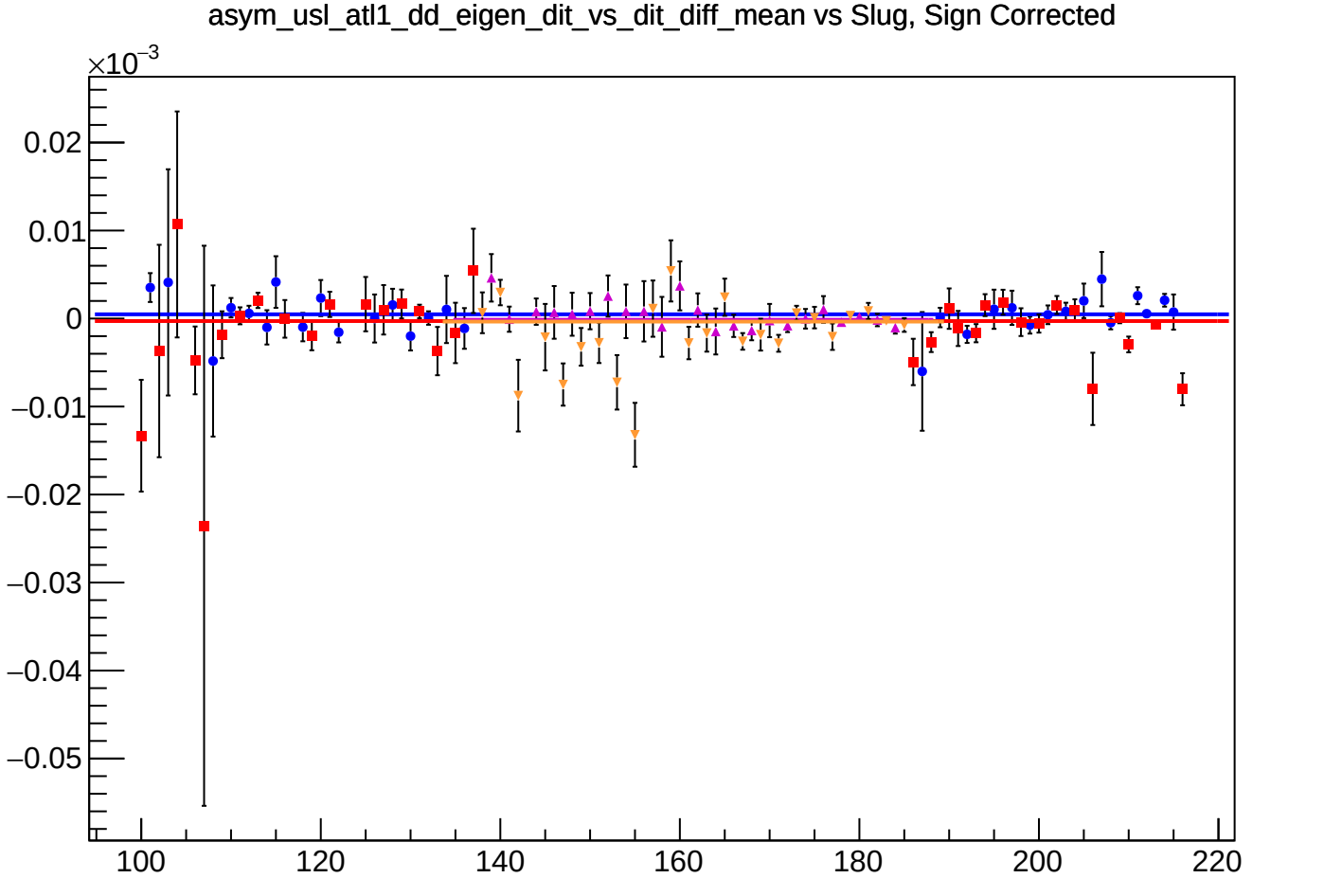
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.304+/-0.004 χ^2/NDF: 9122239.9/64

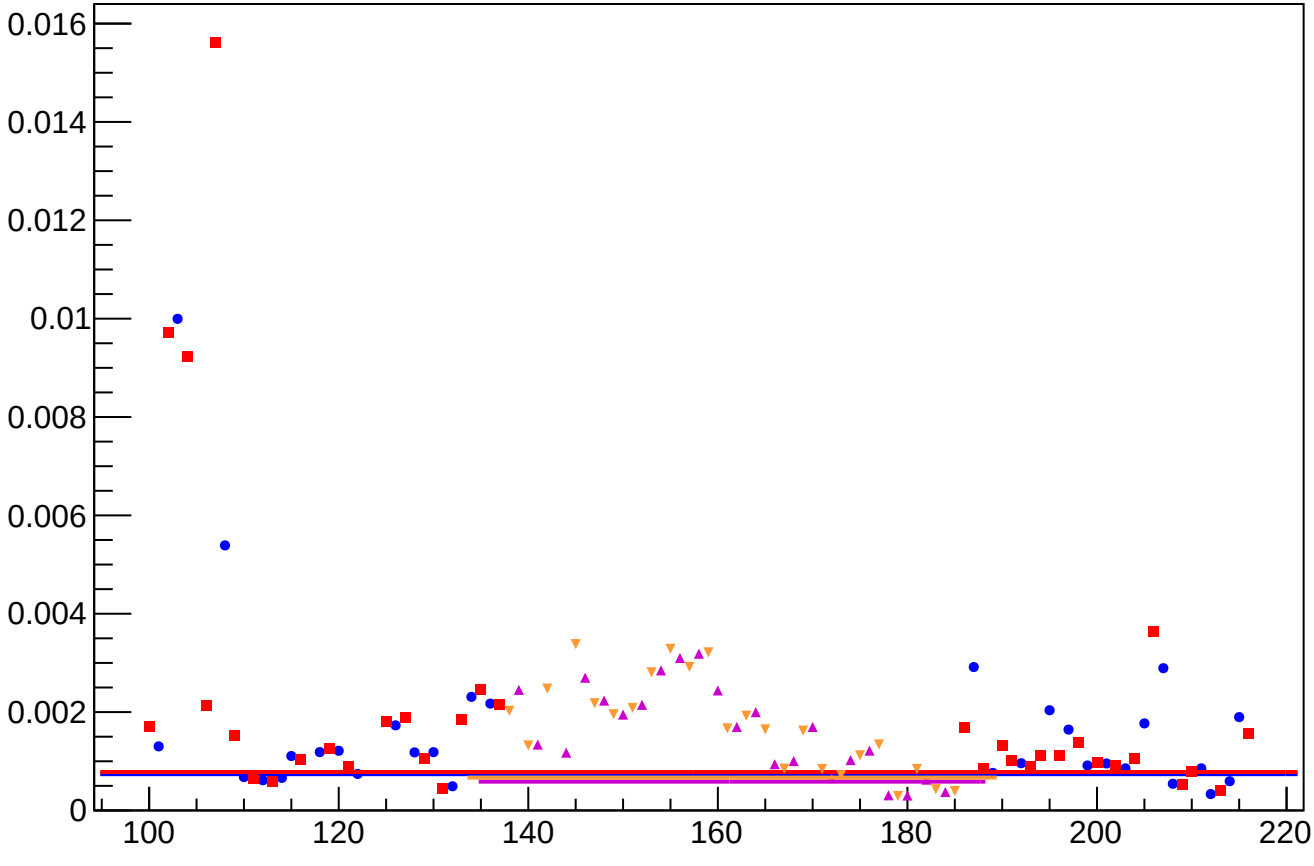
In: 23.835+/-0.003 χ^2/NDF:6307842.7/53

Out: 24.711+/-0.003 χ^2/NDF:6968123.0/57

All: 24.260+/-0.002 χ^2/NDF: 13313153.3/111


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 36.7/30
Left Out: -0.000+/-0.000 χ²/NDF:68.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 74.9/33
Left In: -0.000+/-0.000 χ²/NDF:14.2/22
Left: -0.000+/-0.000 χ²/NDF: 82.8/46
Right: 0.000+/-0.000 χ²/NDF: 118.2/64
In: 0.000+/-0.000 χ²/NDF:56.0/53
Out: -0.000+/-0.000 χ²/NDF:143.0/57
All: -0.000+/-0.000 χ²/NDF: 204.0/111

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: 9182104.8/33

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

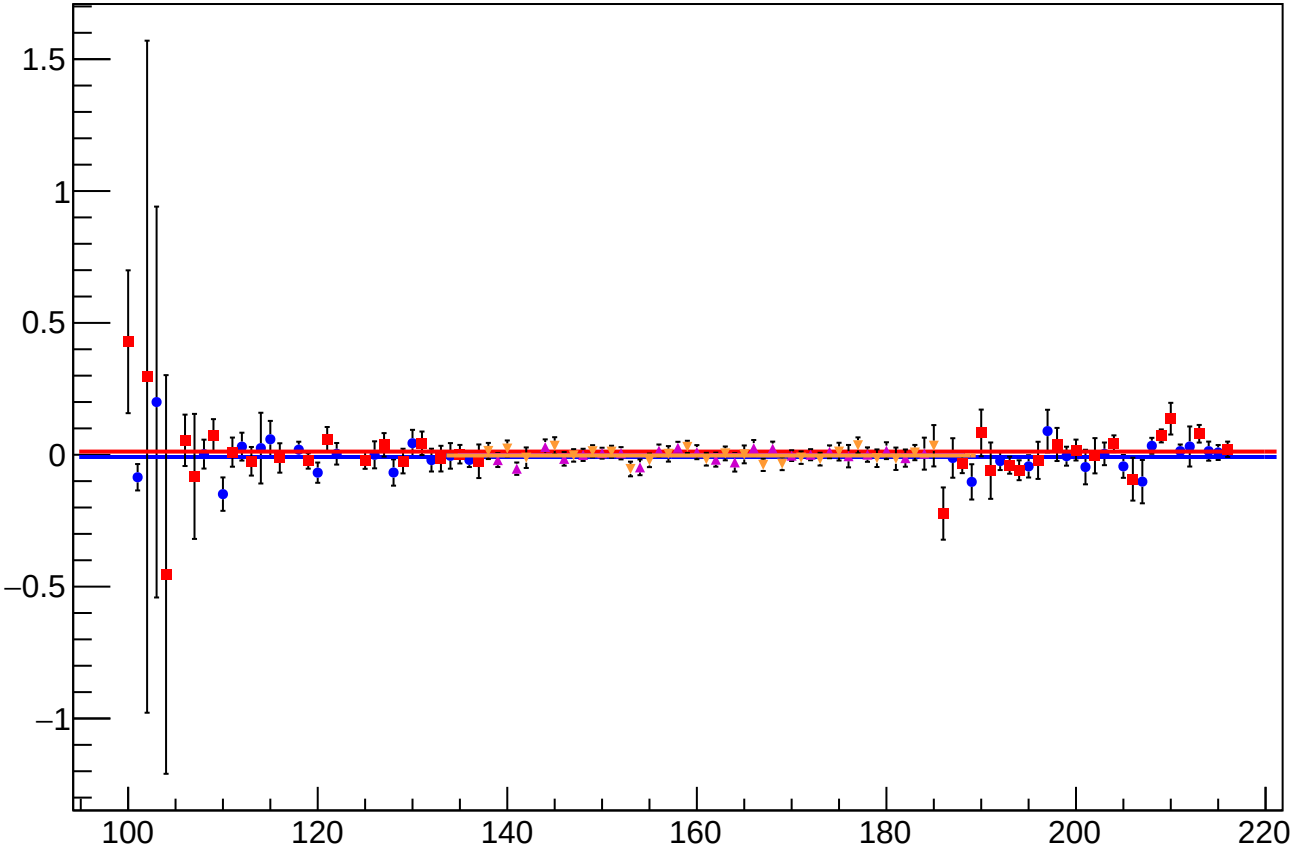
Right: 0.001+/-0.000 χ^2/NDF: 19285560.6/64

In: 0.001+/-0.000 χ^2/NDF:26317405.5/53

Out: 0.001+/-0.000 χ^2/NDF:24848365.1/57

All: 0.001+/-0.000 χ^2/NDF: 51385593.4/111

asym_usl_atl1_dd_eigen_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: 0.012+/-0.008 χ^2/NDF: 42.1/33

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

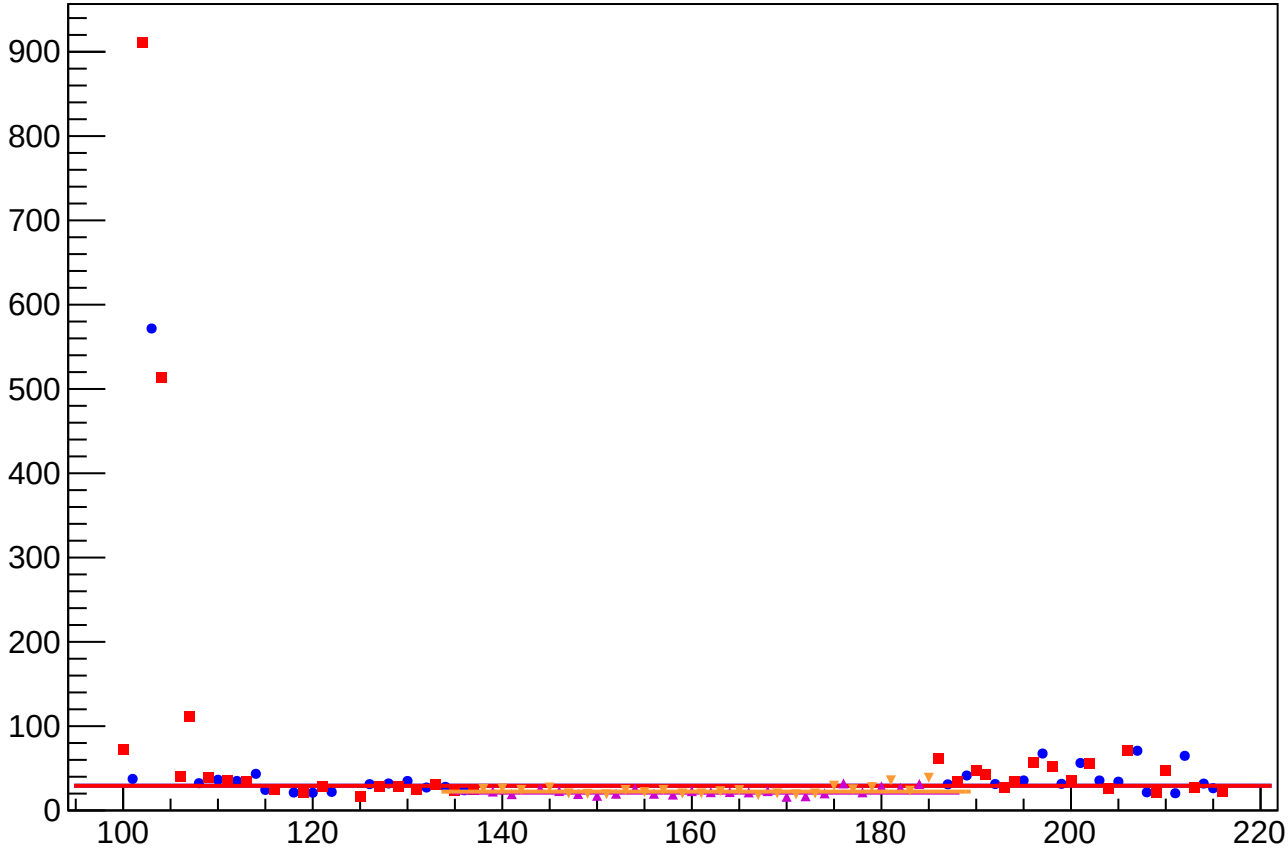
Right: 0.002+/-0.006 χ^2/NDF: 71.1/64

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.002+/-0.005 χ^2/NDF:60.8/57

All: -0.001+/-0.003 χ^2/NDF: 102.7/111

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: 29.239+/-0.006 χ^2/NDF: 5148124.0/33

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

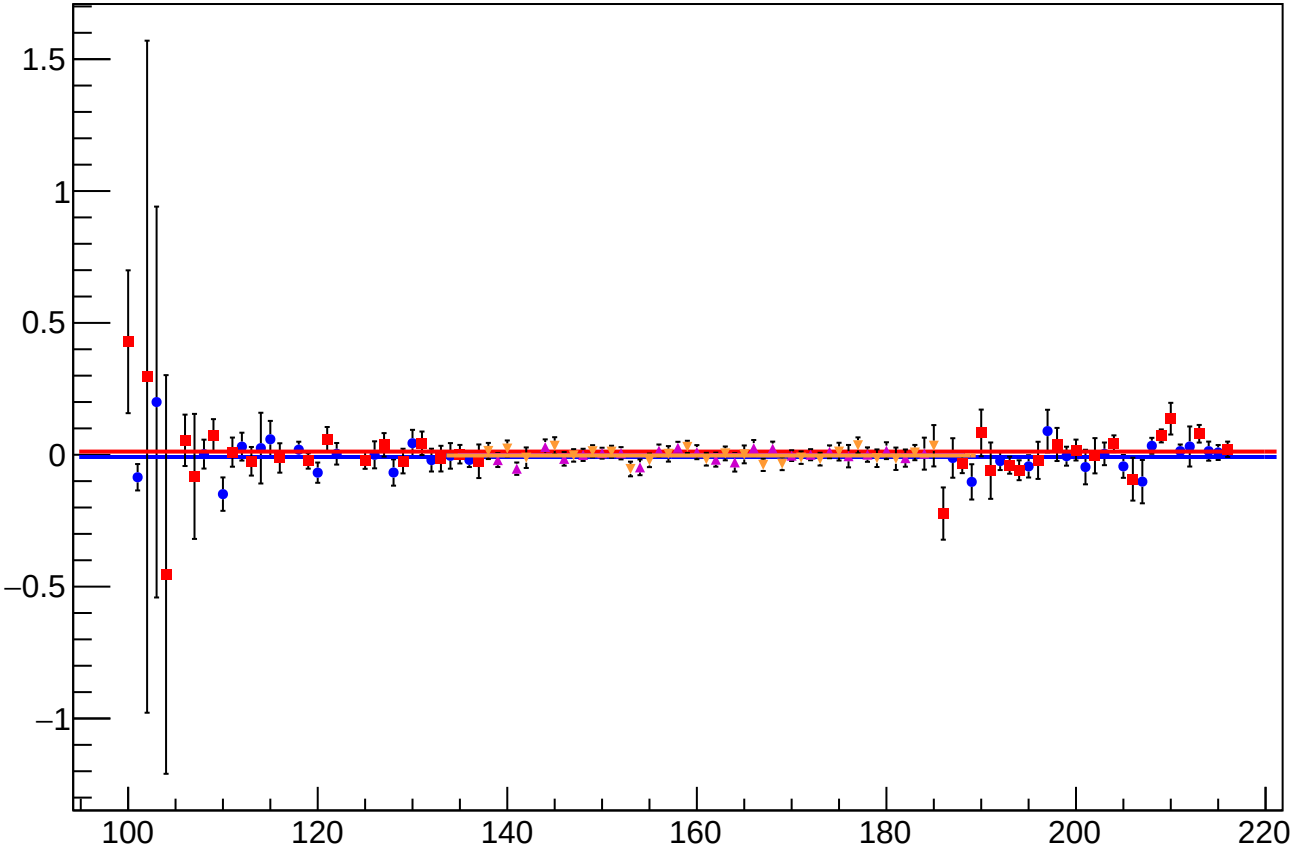
Right: 29.304+/-0.004 χ^2/NDF: 9122373.7/64

In: 23.835+/-0.003 χ^2/NDF:6307931.2/53

Out: 24.711+/-0.003 χ^2/NDF:6968187.0/57

All: 24.260+/-0.002 χ^2/NDF: 13313303.6/111

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: 0.012+/-0.008 χ^2/NDF: 42.1/33

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

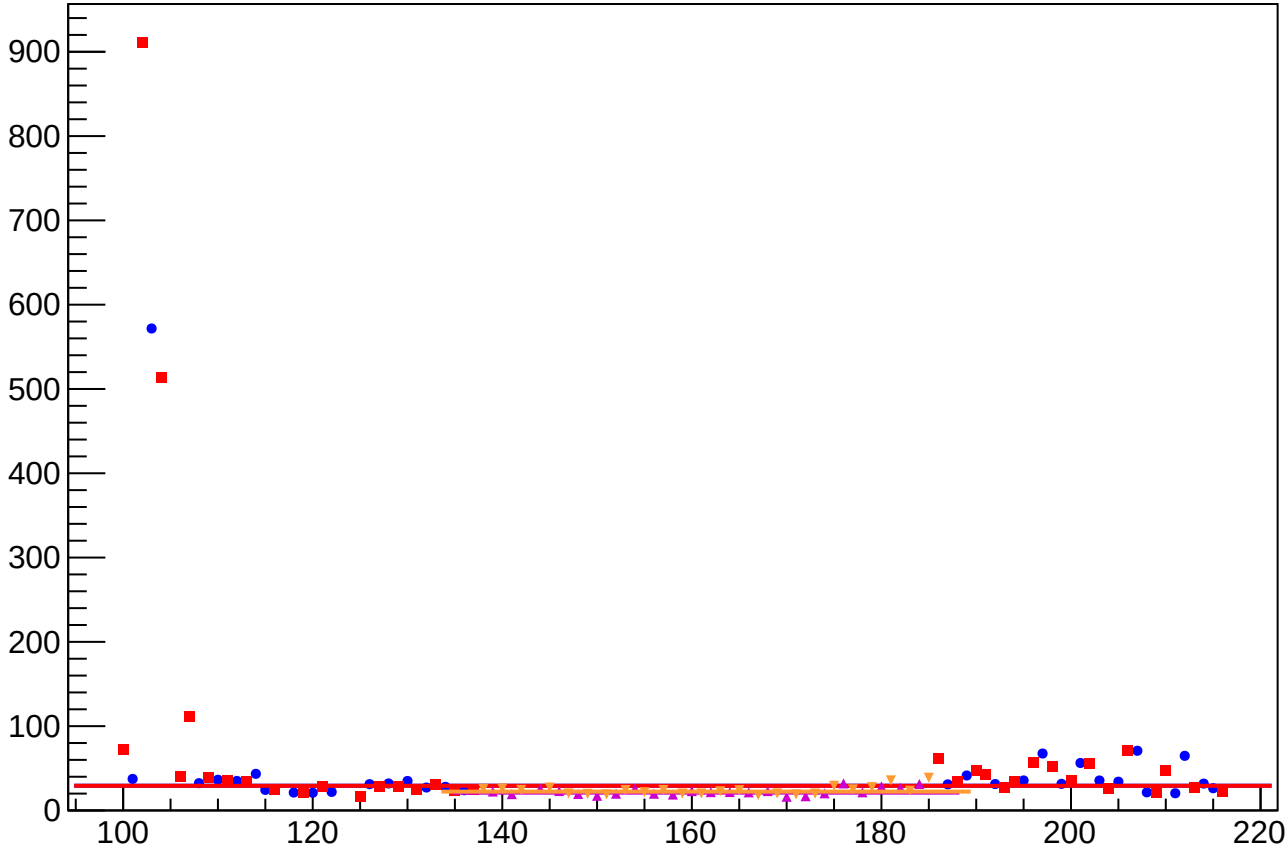
Right: 0.002+/-0.006 χ^2/NDF: 71.1/64

In: -0.003+/-0.004 χ^2/NDF:41.1/53

Out: 0.002+/-0.005 χ^2/NDF:60.8/57

All: -0.001+/-0.003 χ^2/NDF: 102.7/111

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: 29.239+/-0.006 χ^2/NDF: 5148124.0/33

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

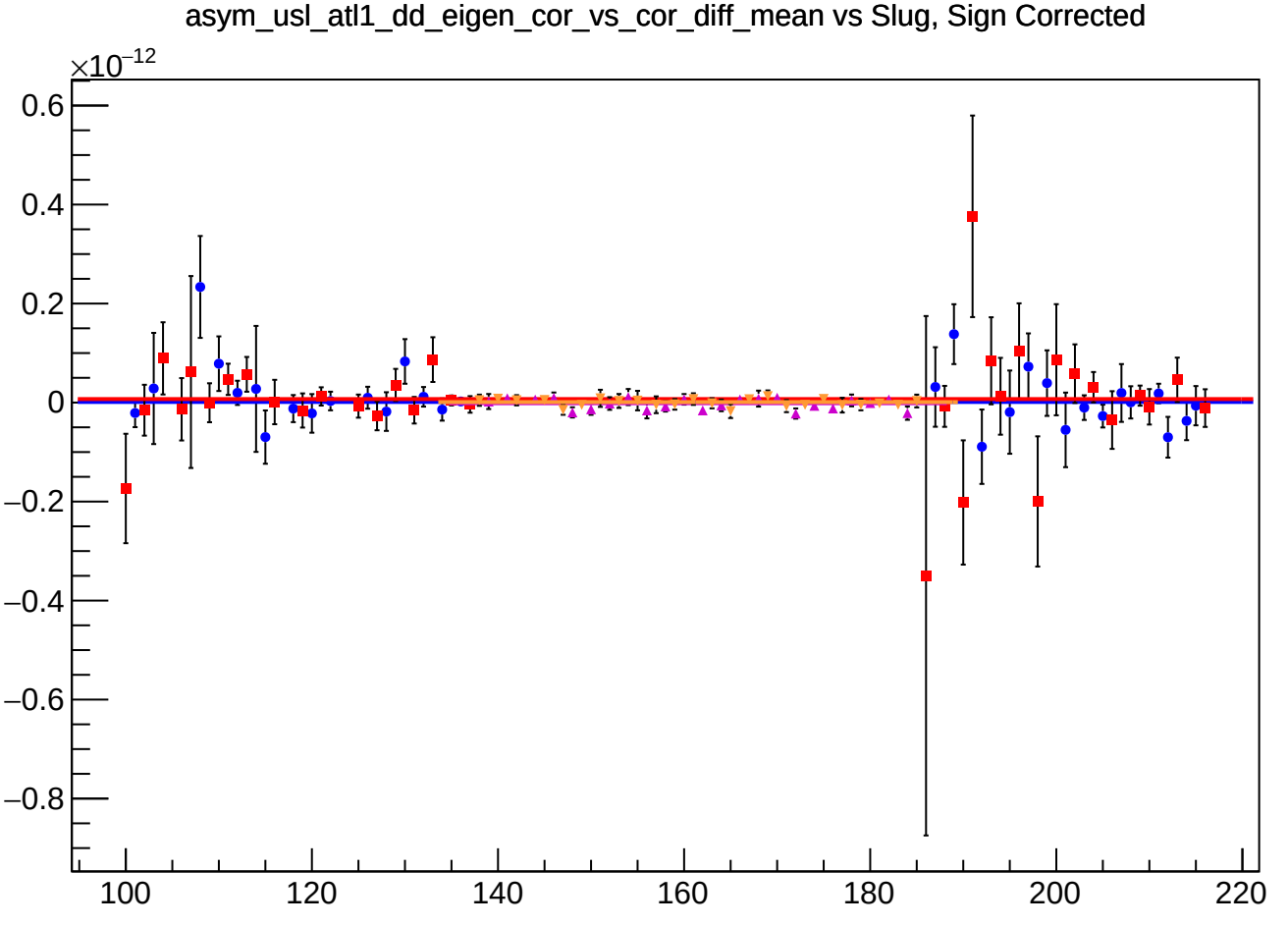
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 29.304+/-0.004 χ^2/NDF: 9122373.7/64

In: 23.835+/-0.003 χ^2/NDF:6307931.2/53

Out: 24.711+/-0.003 χ^2/NDF:6968187.0/57

All: 24.260+/-0.002 χ^2/NDF: 13313303.6/111



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: 29.9/33

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

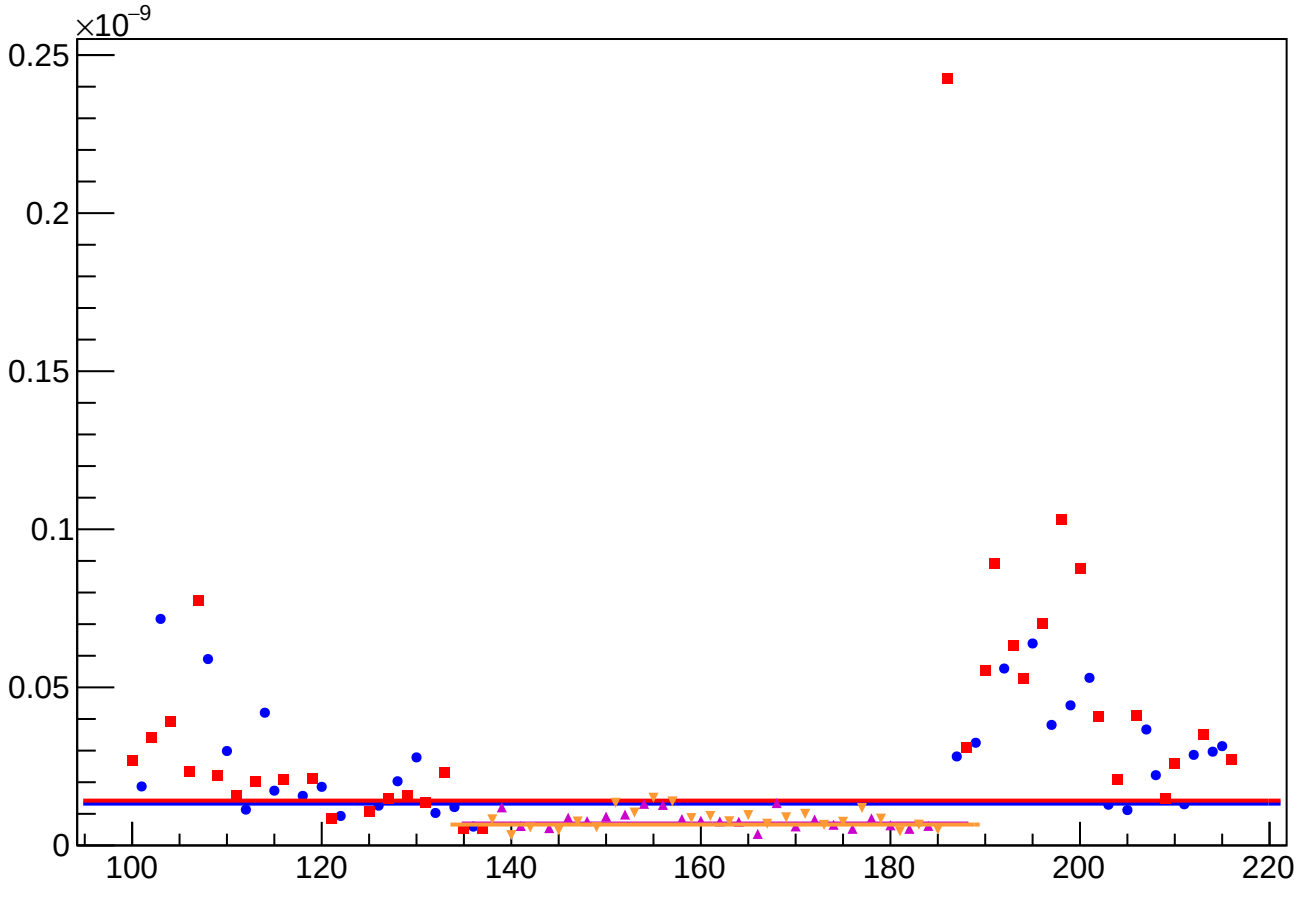
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 61.1/64

In: -0.000+/-0.000 χ^2/NDF:56.5/53

Out: 0.000+/-0.000 χ^2/NDF:42.6/57

All: 0.000+/-0.000 χ^2/NDF: 100.1/111



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: 10044733.3/33

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

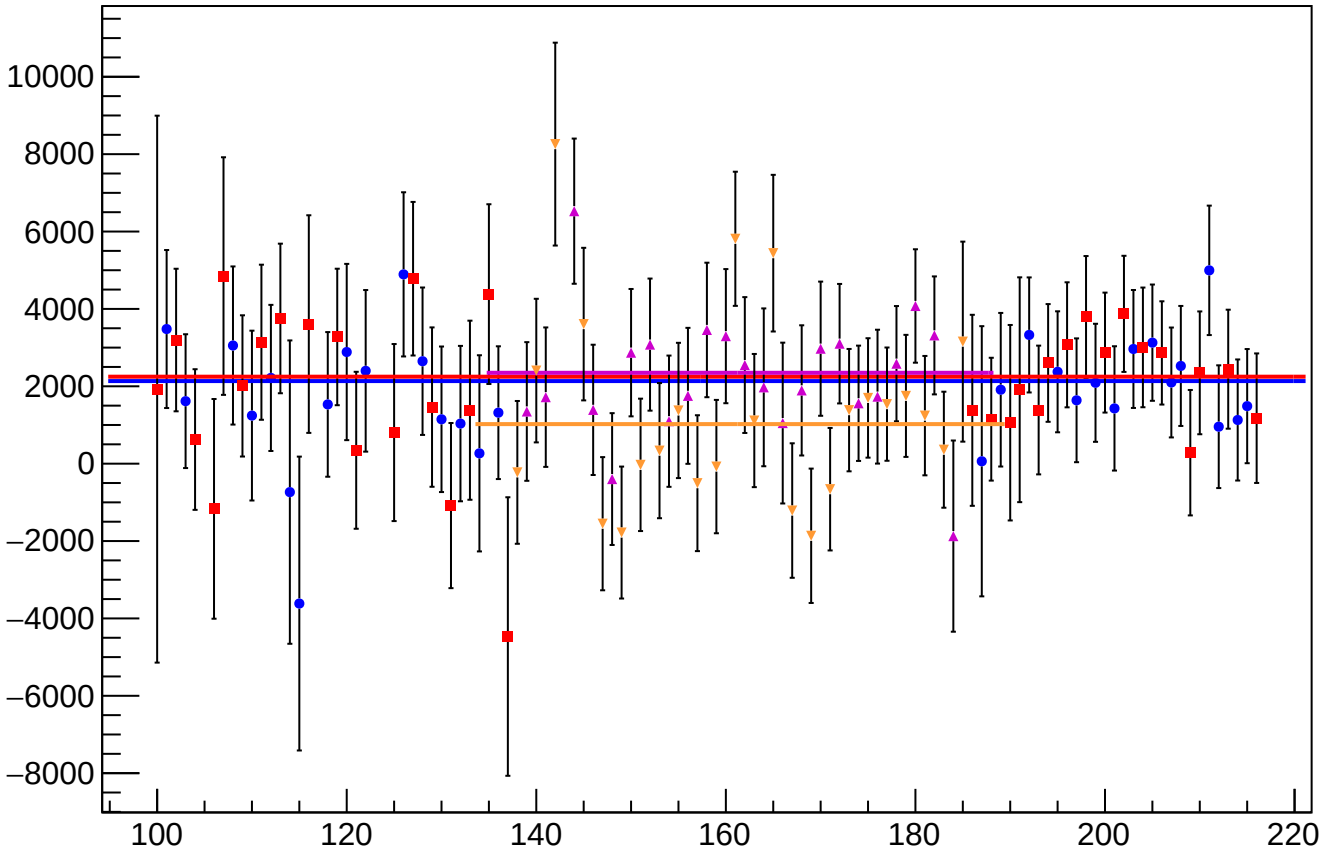
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 17804400.0/64

In: 0.000+/-0.000 χ^2/NDF:12809139.1/53

Out: 0.000+/-0.000 χ^2/NDF:16961710.9/57

All: 0.000+/-0.000 χ^2/NDF: 29804151.3/111



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: 2248.245+/-324.168 χ^2/NDF: 20.6/33

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

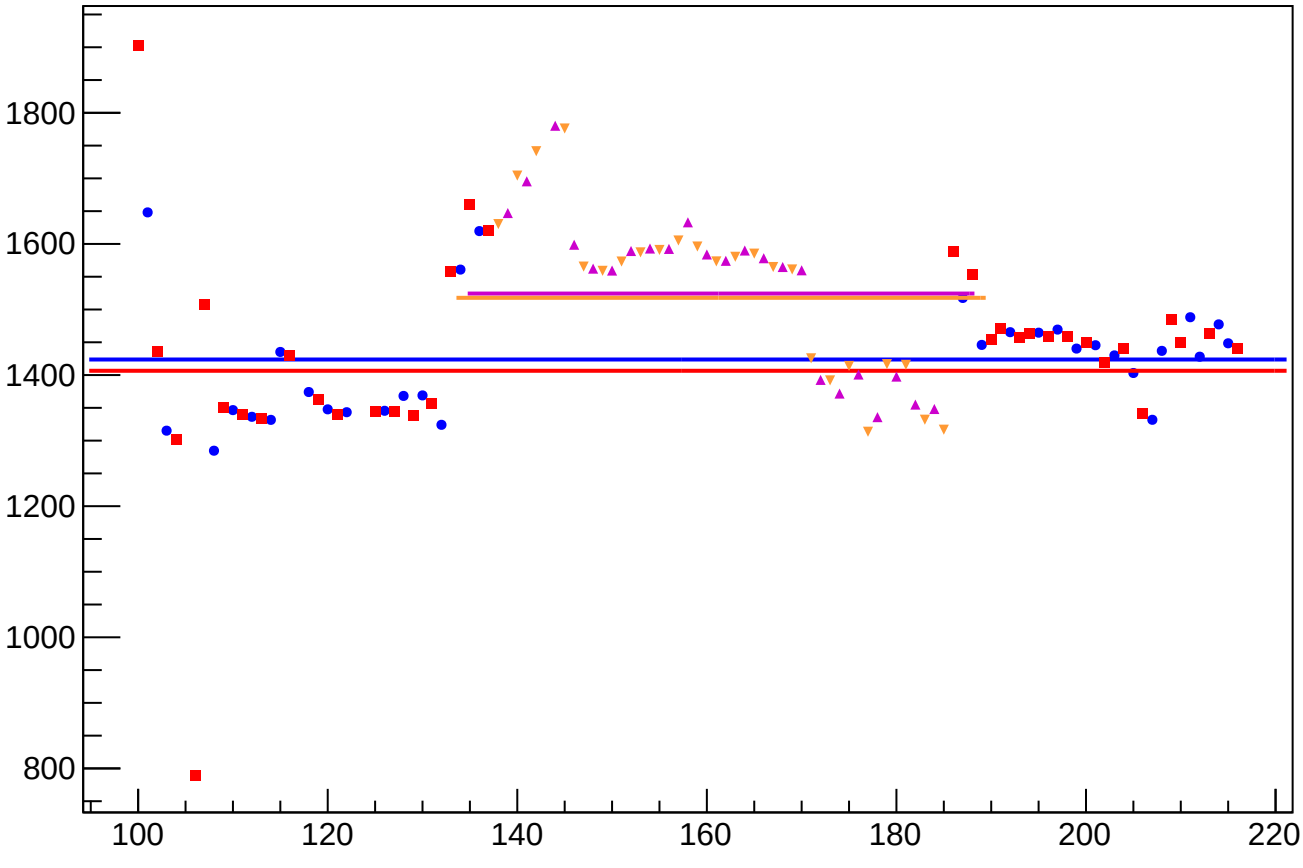
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2191.661+/-229.444 χ^2/NDF: 34.0/64

In: 2231.902+/-240.267 χ^2/NDF:29.4/53

Out: 1688.304+/-238.907 χ^2/NDF:63.6/57

All: 1958.559+/-169.412 χ^2/NDF: 95.6/111



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: 1406.535+/-0.226 χ^2/NDF: 410457.8/33

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

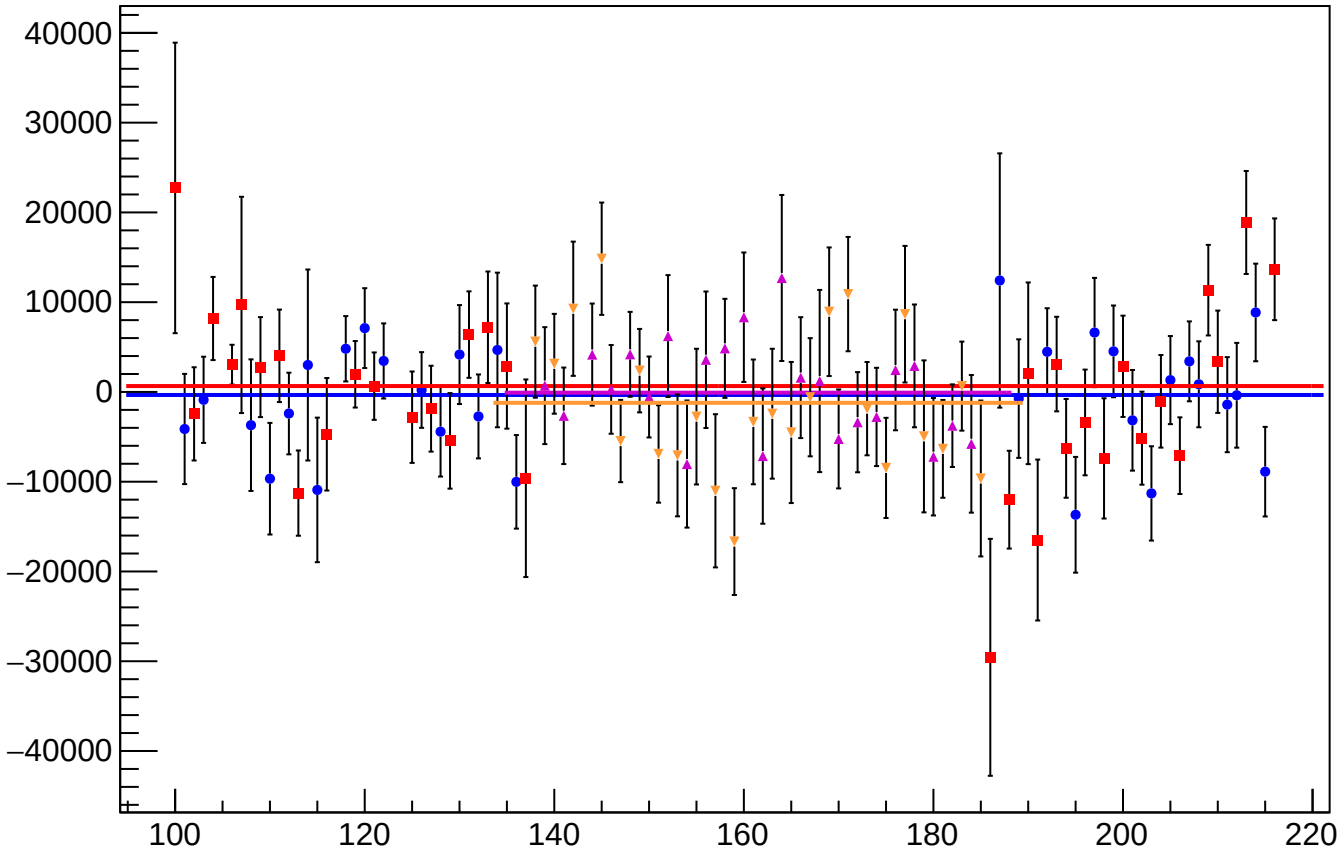
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1415.010+/-0.161 χ^2/NDF: 533722.7/64

In: 1469.276+/-0.170 χ^2/NDF:431574.9/53

Out: 1456.678+/-0.168 χ^2/NDF:753327.5/57

All: 1462.898+/-0.119 χ^2/NDF: 1187686.2/11



Right In: -337.194+/-954.408 χ^2/NDF: 35.5/30

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 655.444+/-886.693 χ^2/NDF: 62.8/33

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

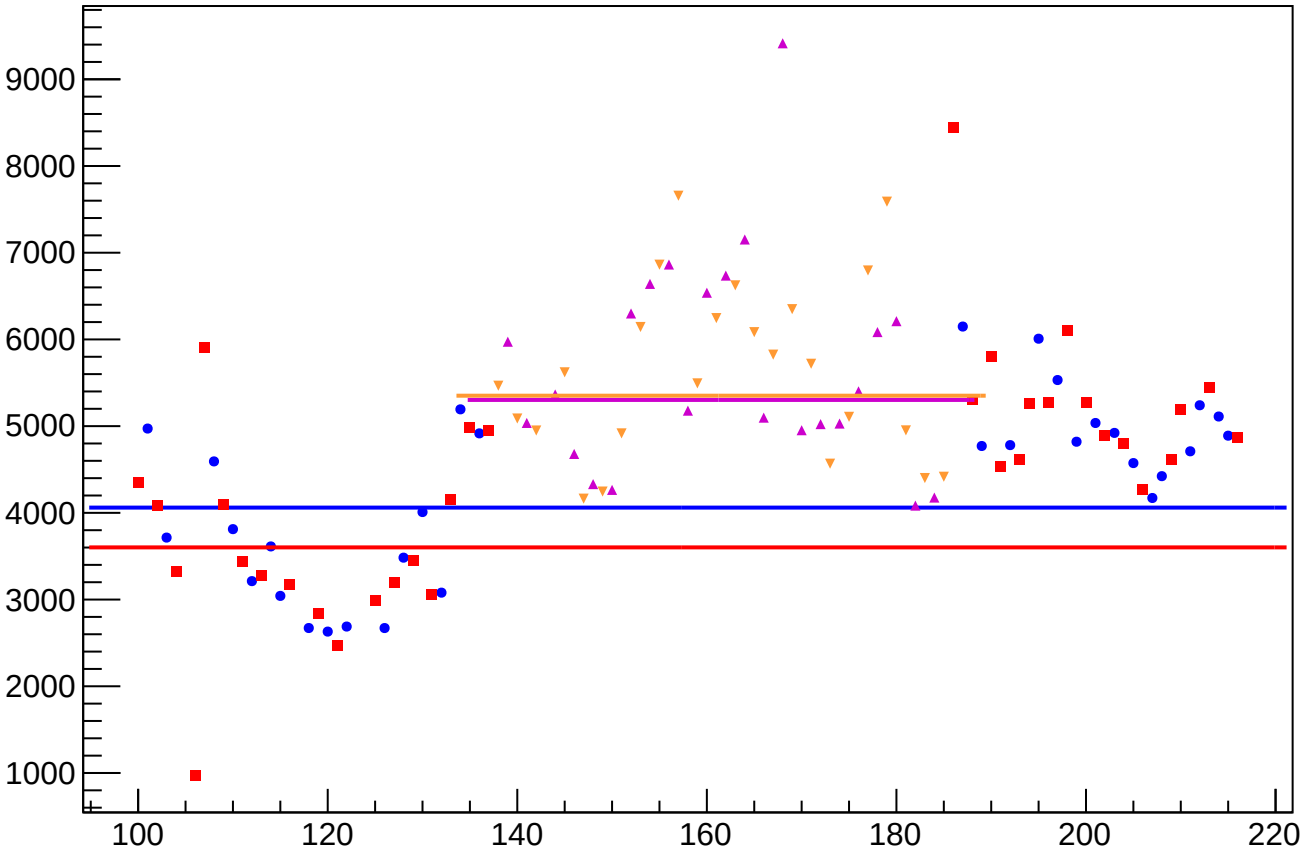
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

Right: 195.584+/-649.608 χ^2/NDF: 98.9/64

In: -244.118+/-761.740 χ^2/NDF:48.8/53

Out: 42.401+/-726.710 χ^2/NDF:97.5/57

All: -94.119+/-525.810 χ^2/NDF: 146.3/111



Right In: 4060.596+/-0.675 χ^2/NDF: 2152006.0/30

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3601.693+/-0.627 χ^2/NDF: 5704301.3/33

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

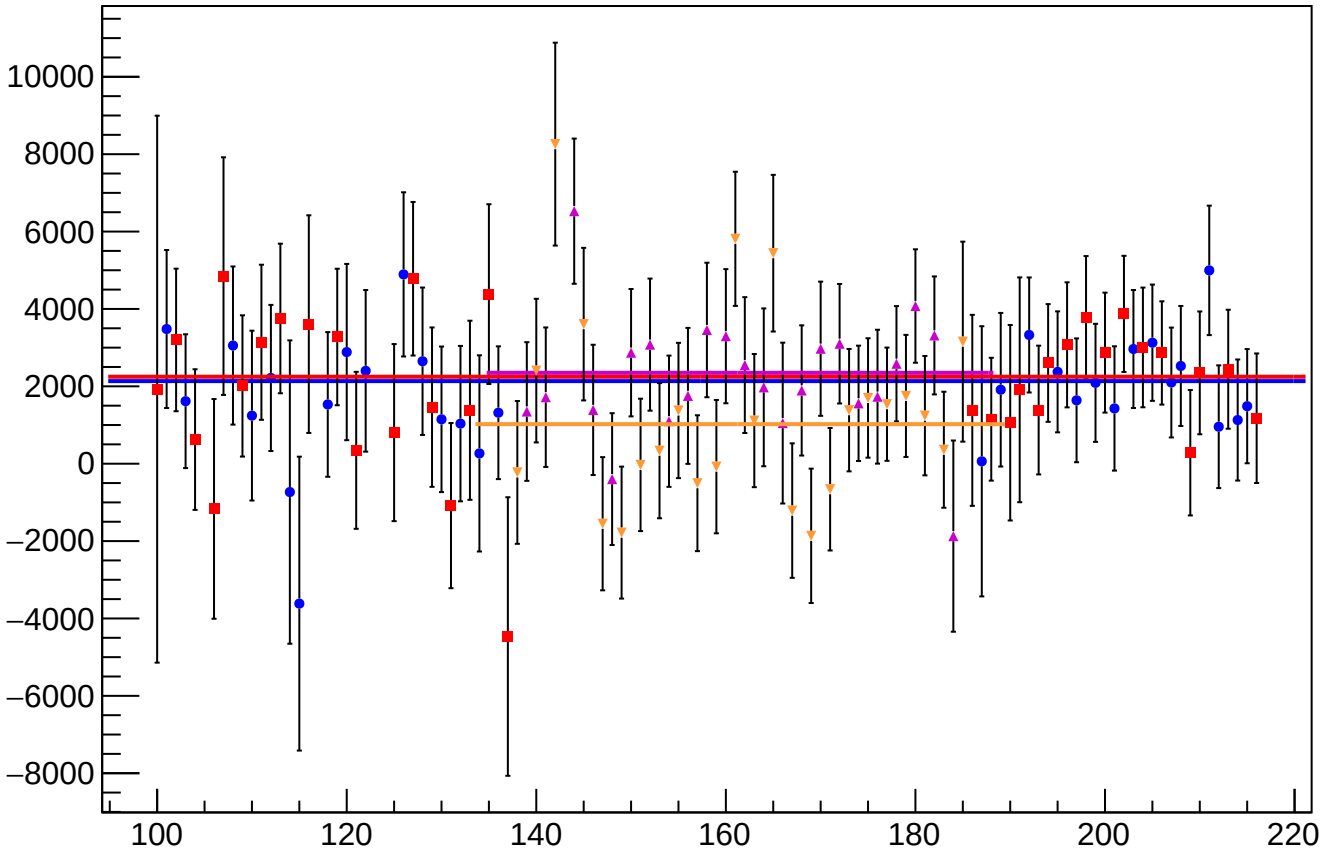
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 3814.289+/-0.459 χ^2/NDF: 8104483.6/64

In: 4511.281+/-0.539 χ^2/NDF:4636922.1/53

Out: 4176.028+/-0.514 χ^2/NDF:9326266.2/57

All: 4335.769+/-0.372 χ^2/NDF: 14166000.8/1



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: 2248.302+/-324.169 χ^2/NDF: 20.6/33

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

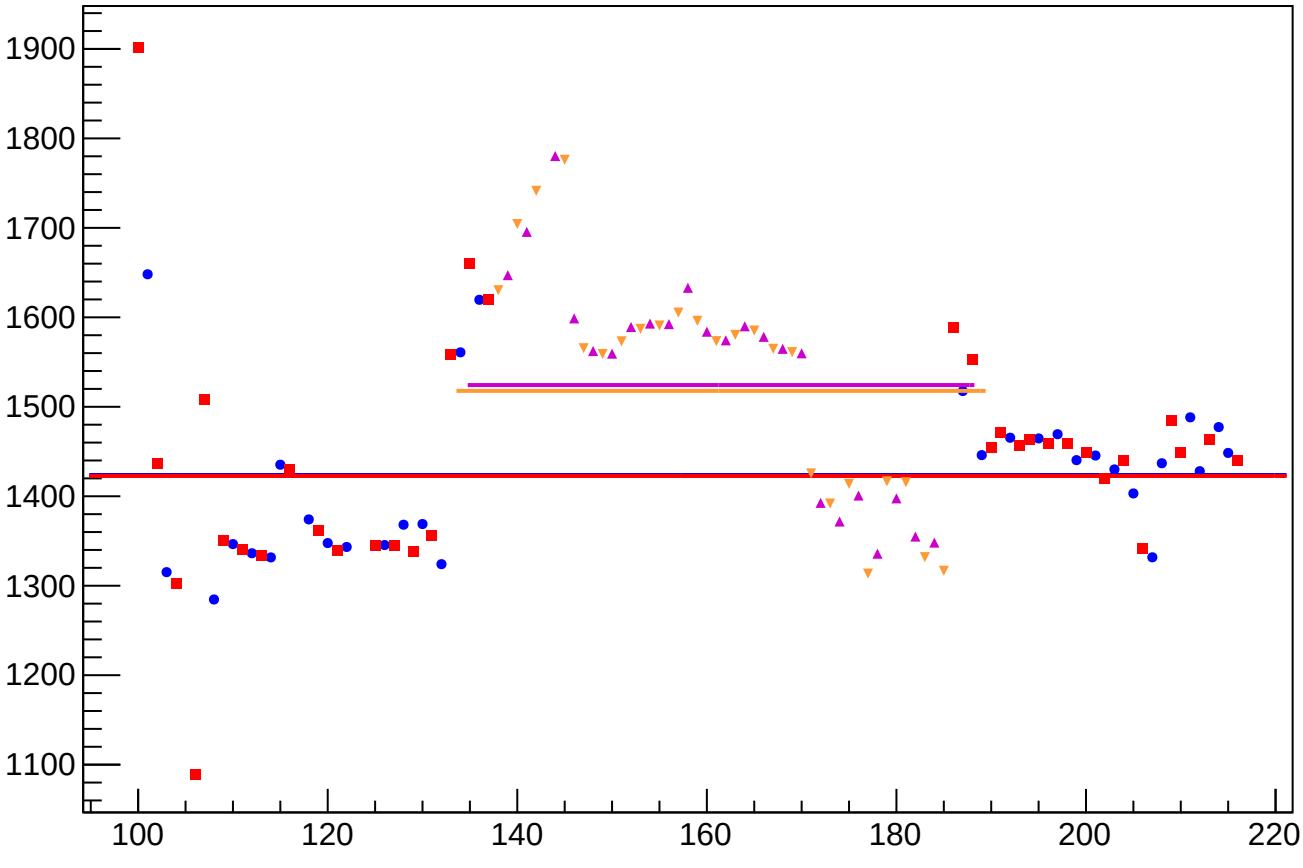
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2191.673+/-229.445 χ^2/NDF: 34.0/64

In: 2231.883+/-240.267 χ^2/NDF:29.4/53

Out: 1688.347+/-238.907 χ^2/NDF:63.6/57

All: 1958.572+/-169.412 χ^2/NDF: 95.6/111



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: 1422.668+/-0.228 χ^2/NDF: 171529.7/33

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

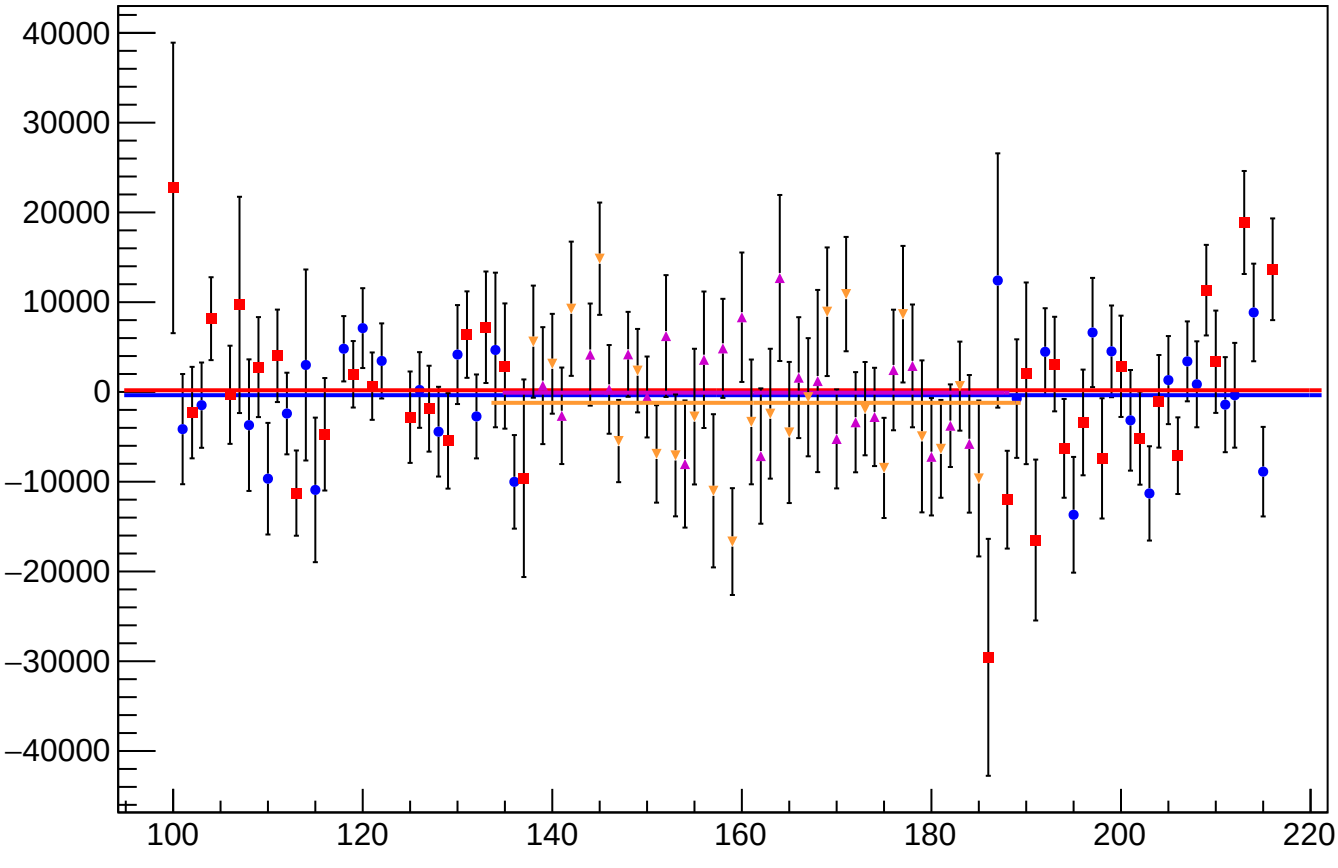
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1423.199+/-0.162 χ^2/NDF: 291959.9/64

In: 1469.276+/-0.170 χ^2/NDF:431575.0/53

Out: 1465.889+/-0.168 χ^2/NDF:484579.5/57

All: 1467.568+/-0.120 χ^2/NDF: 916355.0/111



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: 187.306+/-952.114 χ^2/NDF: 61.4/33

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

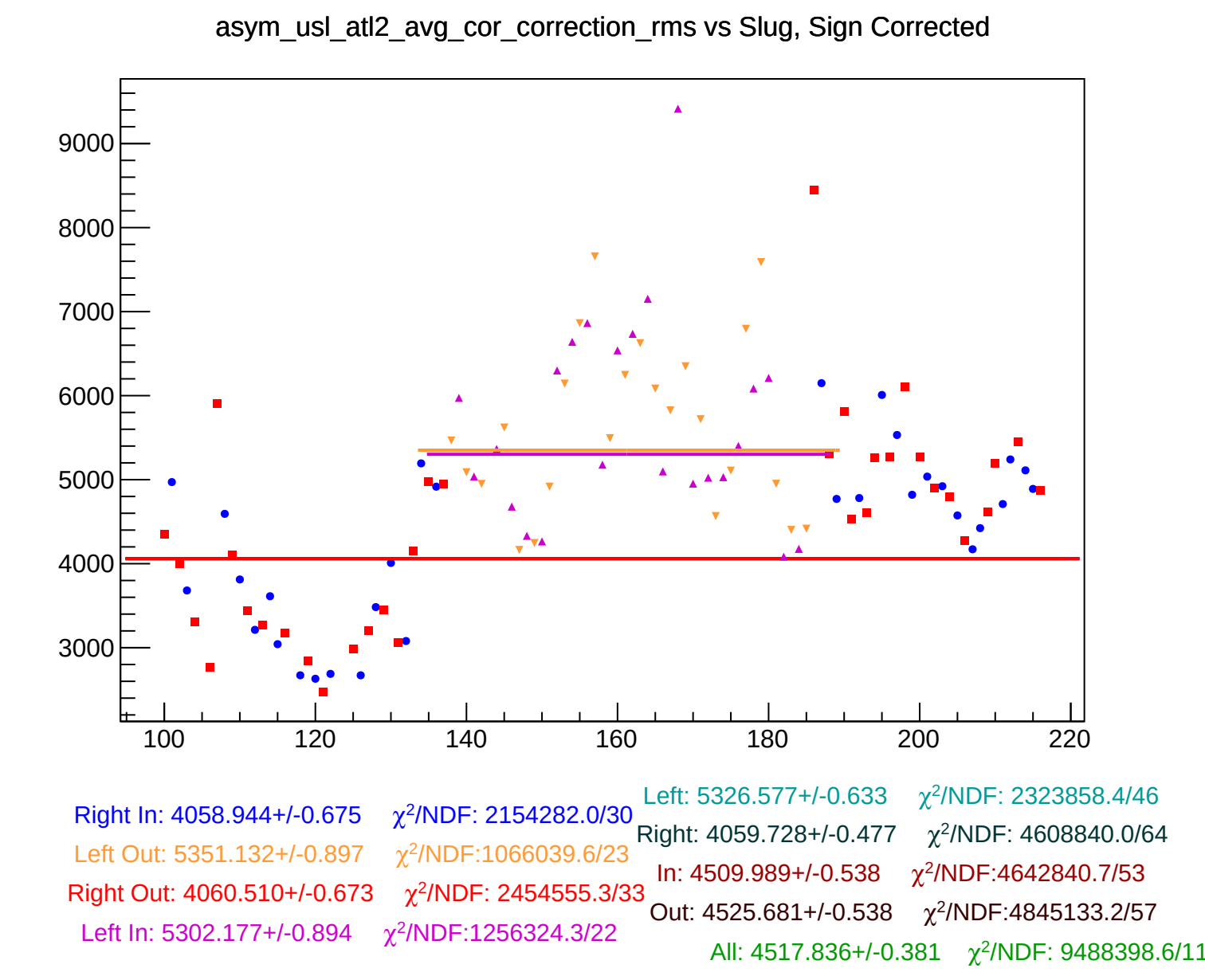
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

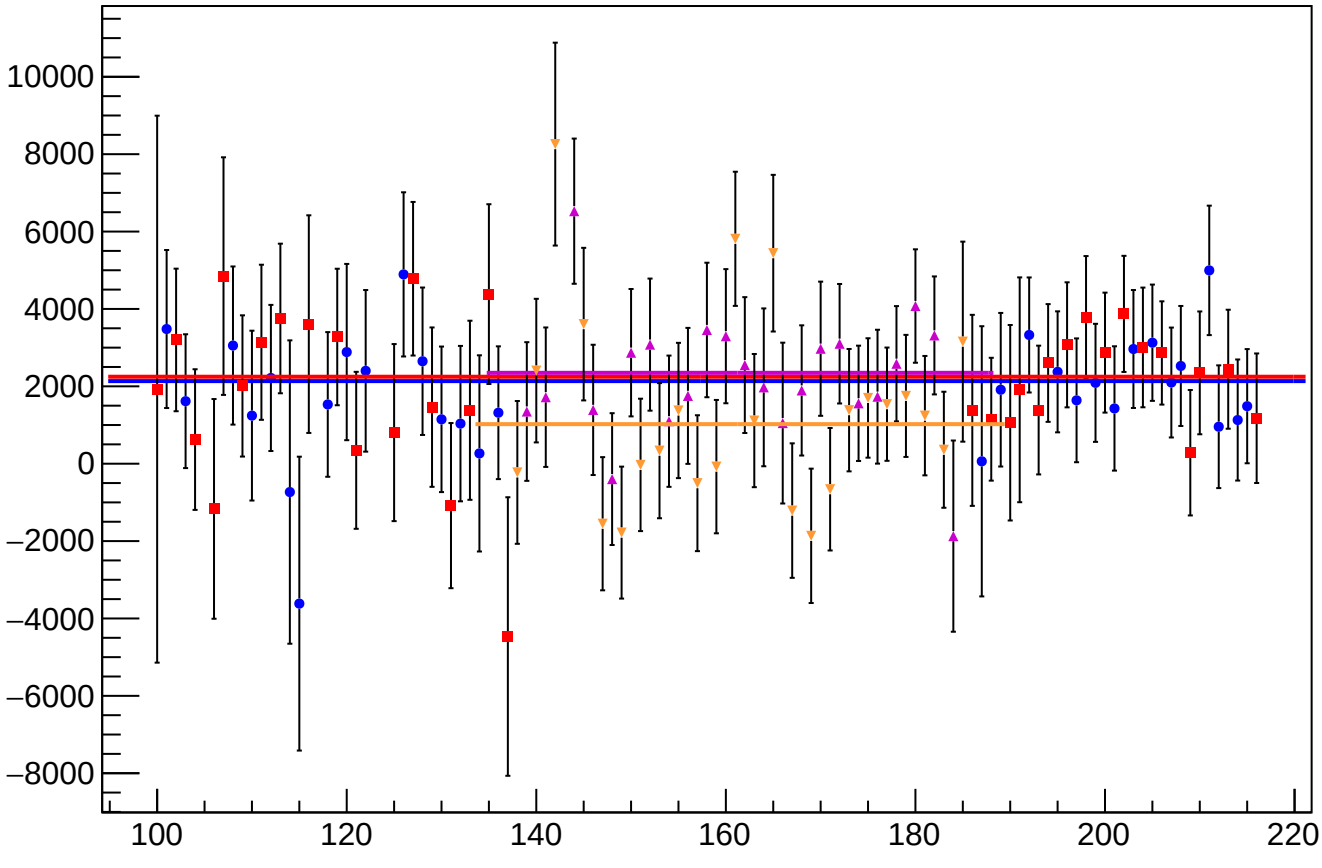
Right: -86.781+/-673.917 χ^2/NDF: 97.2/64

In: -259.917+/-761.539 χ^2/NDF:48.8/53

Out: -316.998+/-761.438 χ^2/NDF:95.5/57

All: -288.461+/-538.454 χ^2/NDF: 144.3/111


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: 4060.510+/-0.673 χ²/NDF: 2454555.3/33
Left In: 5302.177+/-0.894 χ²/NDF:1256324.3/22
Left: 5326.577+/-0.633 χ²/NDF: 2323858.4/46
Right: 4059.728+/-0.477 χ²/NDF: 4608840.0/64
In: 4509.989+/-0.538 χ²/NDF:4642840.7/53
Out: 4525.681+/-0.538 χ²/NDF:4845133.2/57
All: 4517.836+/-0.381 χ²/NDF: 9488398.6/11



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: 2248.302+/-324.169 χ^2/NDF: 20.6/33

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

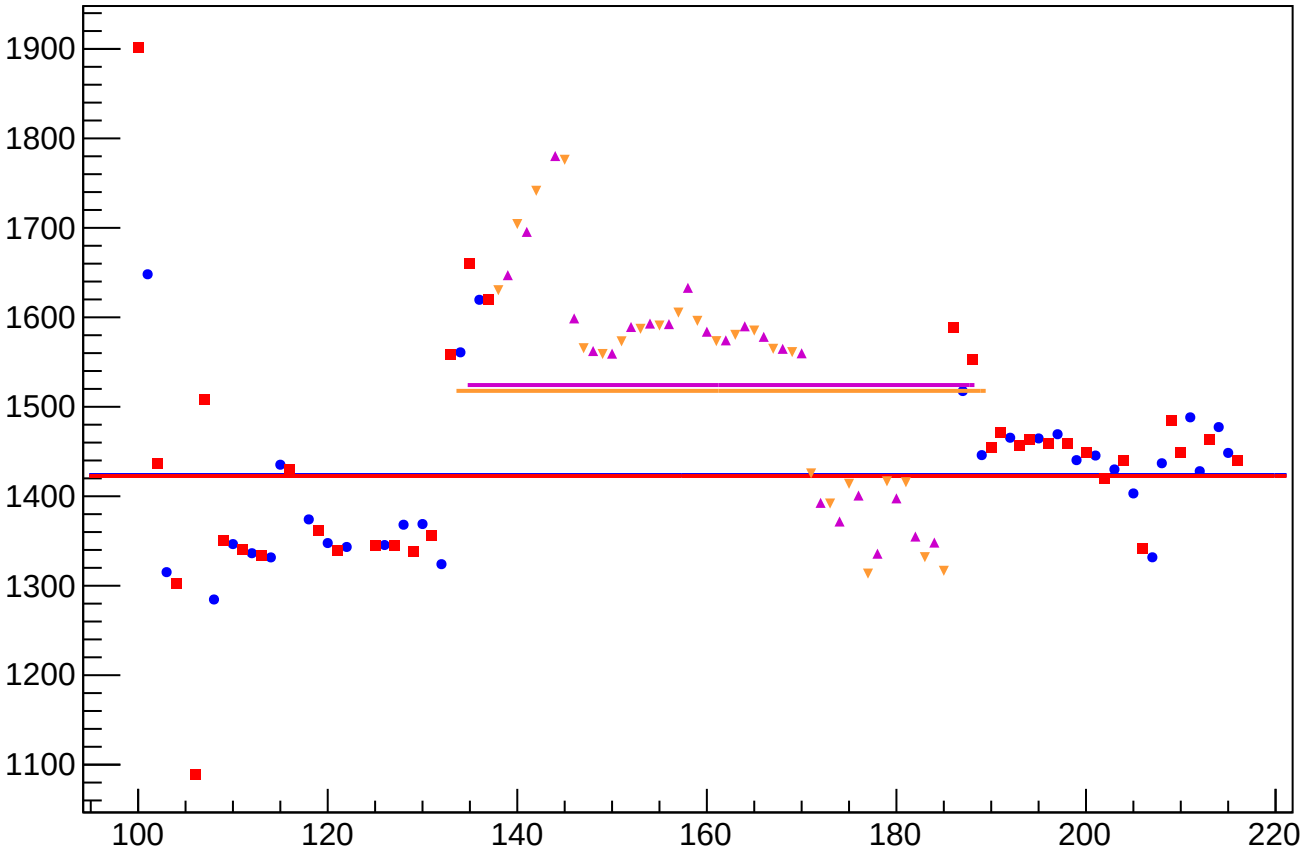
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2191.673+/-229.445 χ^2/NDF: 34.0/64

In: 2231.883+/-240.267 χ^2/NDF:29.4/53

Out: 1688.347+/-238.907 χ^2/NDF:63.6/57

All: 1958.572+/-169.412 χ^2/NDF: 95.6/111



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: 1422.668+/-0.228 χ^2/NDF: 171529.7/33

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

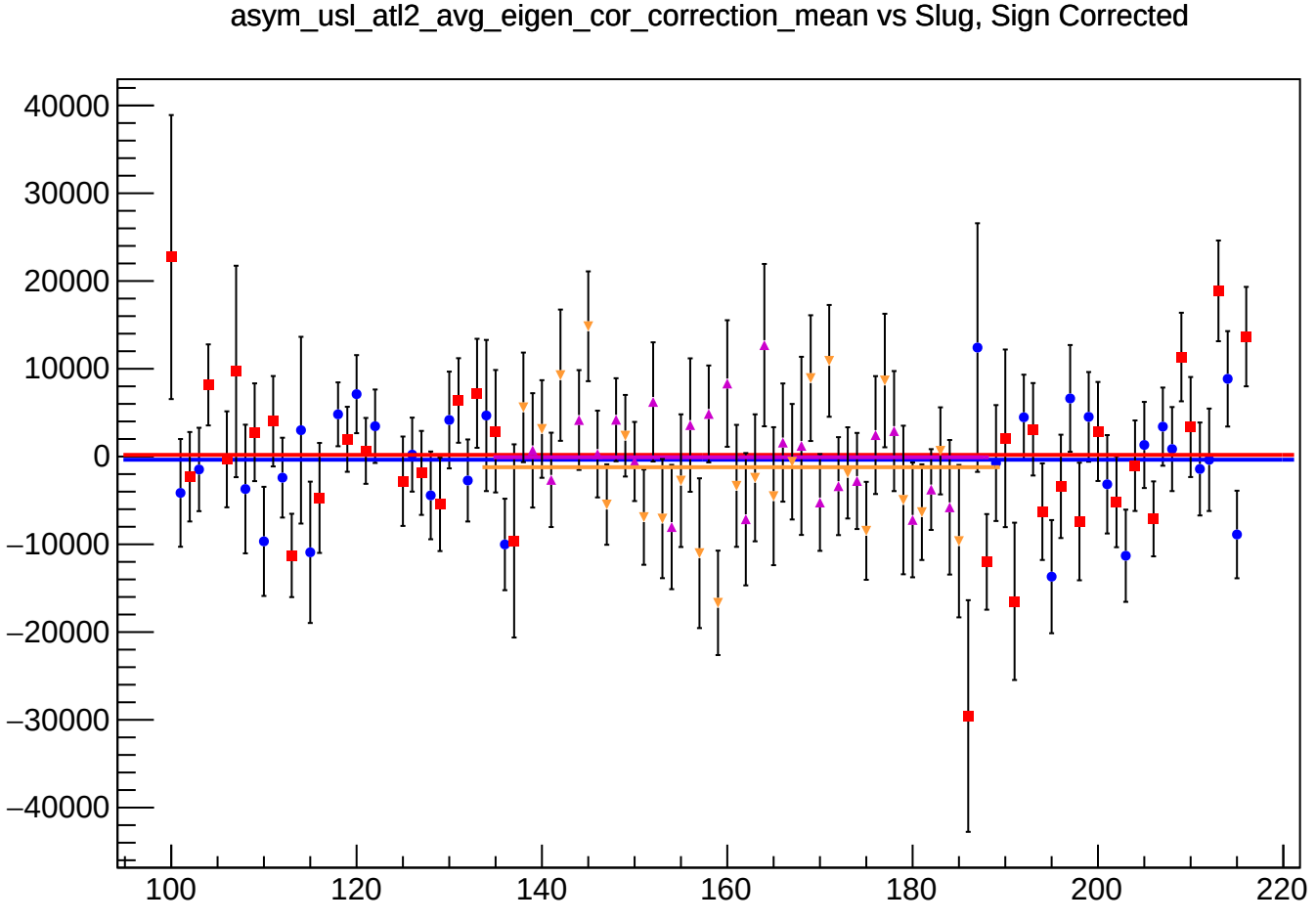
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1423.199+/-0.162 χ^2/NDF: 291959.9/64

In: 1469.276+/-0.170 χ^2/NDF:431575.0/53

Out: 1465.889+/-0.168 χ^2/NDF:484579.5/57

All: 1467.568+/-0.120 χ^2/NDF: 916355.0/111



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: 187.306+/-952.114 χ^2/NDF: 61.4/33

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

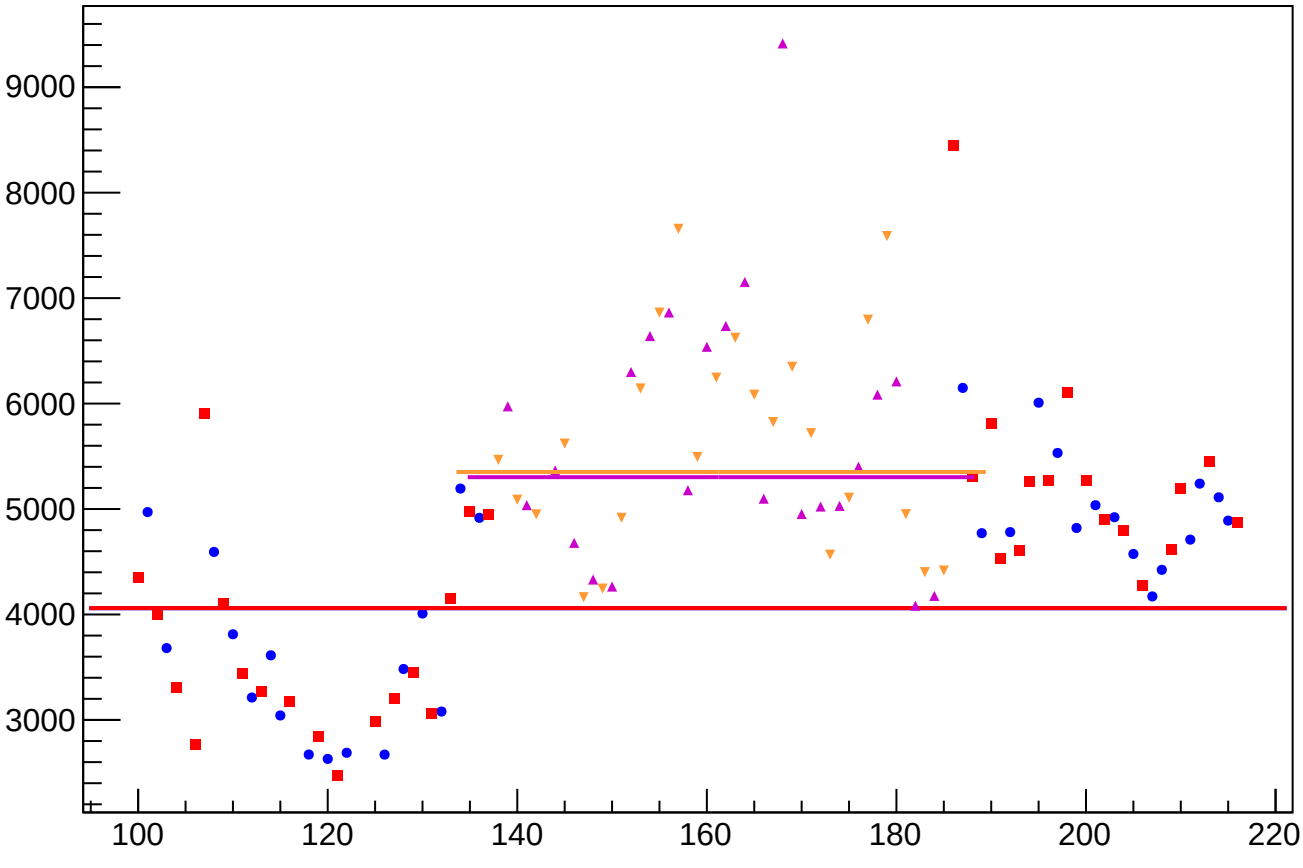
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -86.781+/-673.917 χ^2/NDF: 97.2/64

In: -259.917+/-761.539 χ^2/NDF:48.8/53

Out: -316.998+/-761.438 χ^2/NDF:95.5/57

All: -288.461+/-538.454 χ^2/NDF: 144.3/111



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: 4060.510+/-0.673 χ^2/NDF: 2454555.3/33

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

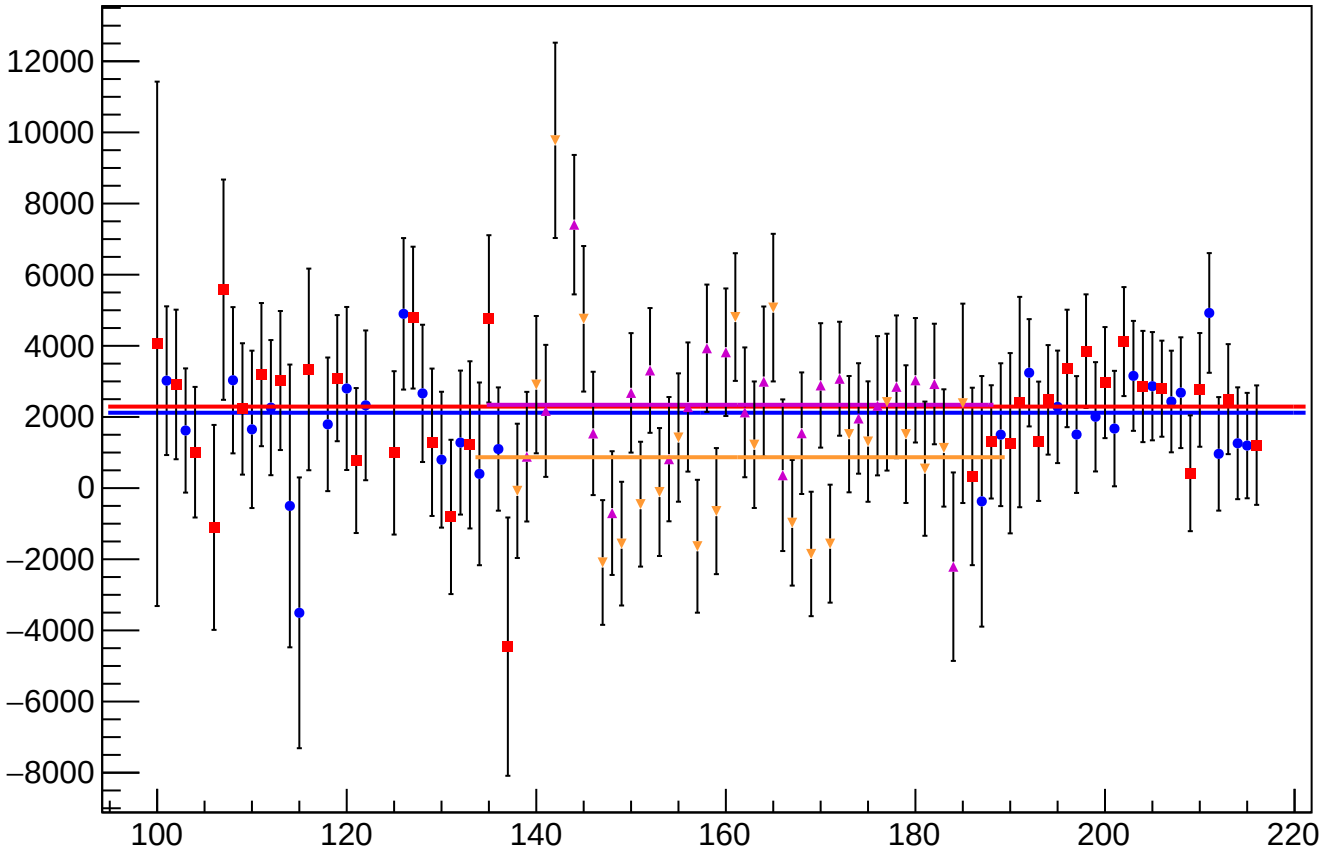
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 4059.728+/-0.477 χ^2/NDF: 4608840.0/64

In: 4509.989+/-0.538 χ^2/NDF:4642840.7/53

Out: 4525.681+/-0.538 χ^2/NDF:4845133.2/57

All: 4517.836+/-0.381 χ^2/NDF: 9488398.6/11



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: 2291.435+/-328.391 χ^2/NDF: 20.0/33

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

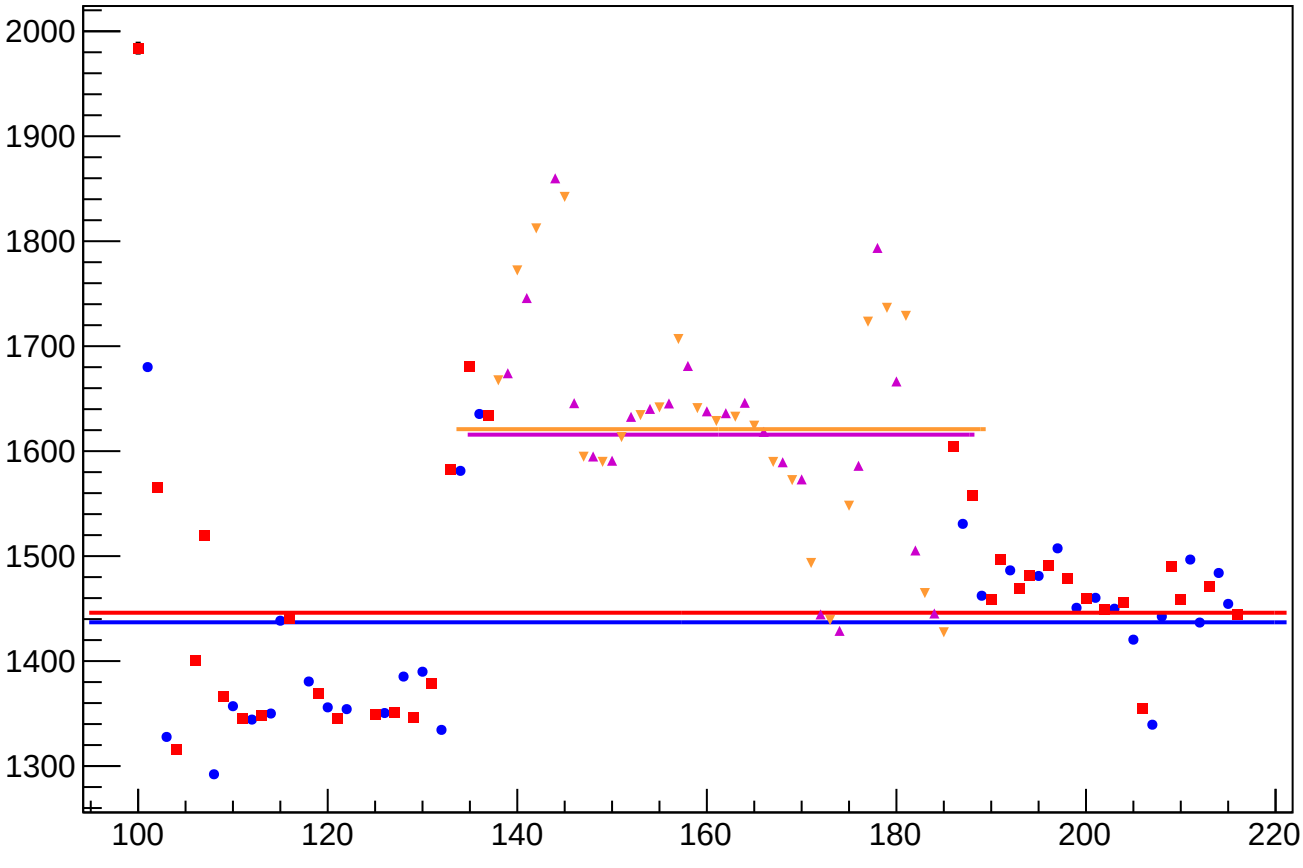
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2205.086+/-232.037 χ^2/NDF: 32.8/64

In: 2214.847+/-247.729 χ^2/NDF:31.0/53

Out: 1677.855+/-247.673 χ^2/NDF:67.8/57

All: 1946.289+/-175.151 χ^2/NDF: 101.1/111



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: 1446.060+/-0.232 χ^2/NDF: 131863.8/33

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

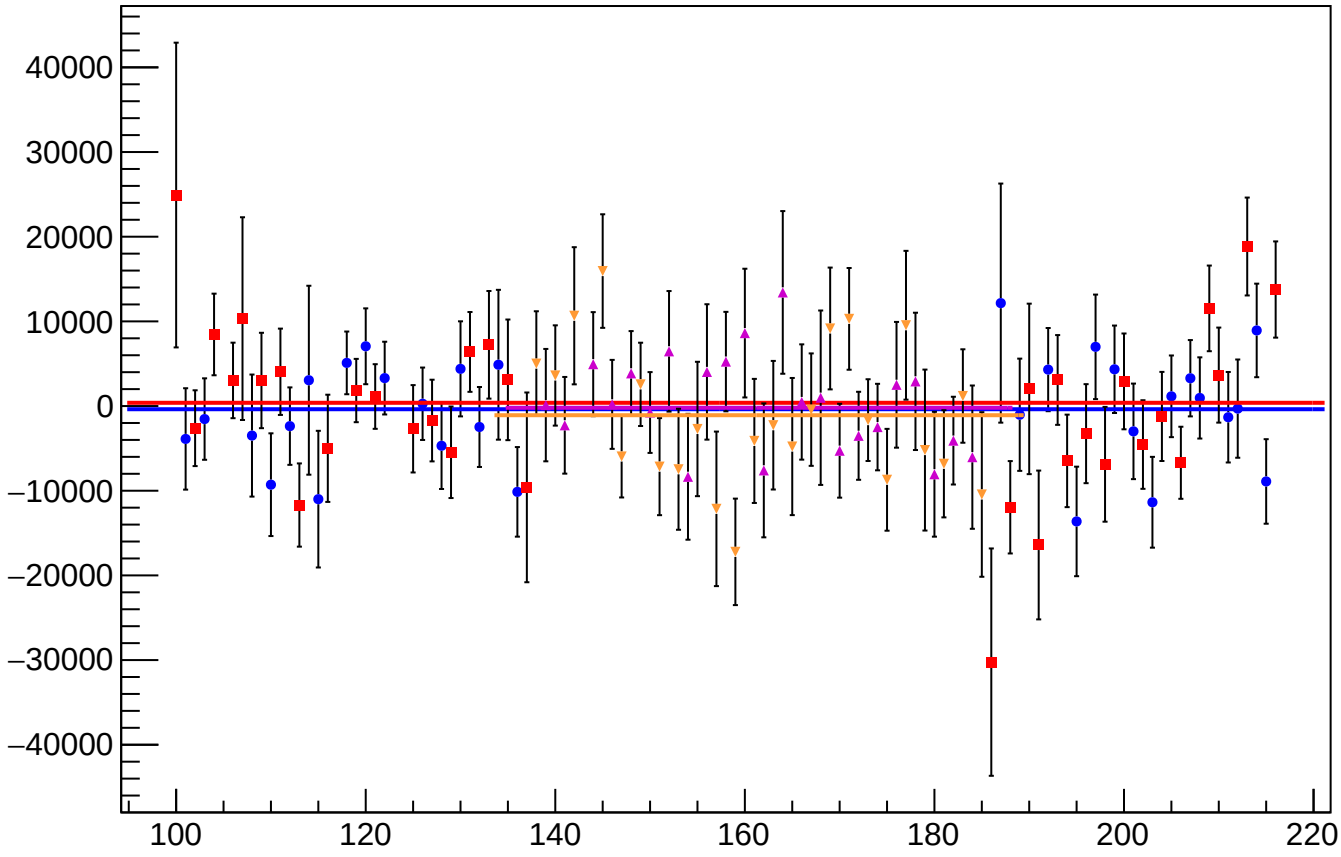
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1441.503+/-0.164 χ^2/NDF: 260812.0/64

In: 1513.680+/-0.175 χ^2/NDF:520436.9/53

Out: 1521.379+/-0.175 χ^2/NDF:518641.8/57

All: 1517.533+/-0.124 χ^2/NDF: 1040045.3/11



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: 384.346+/-947.013 χ^2/NDF: 61.5/33

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

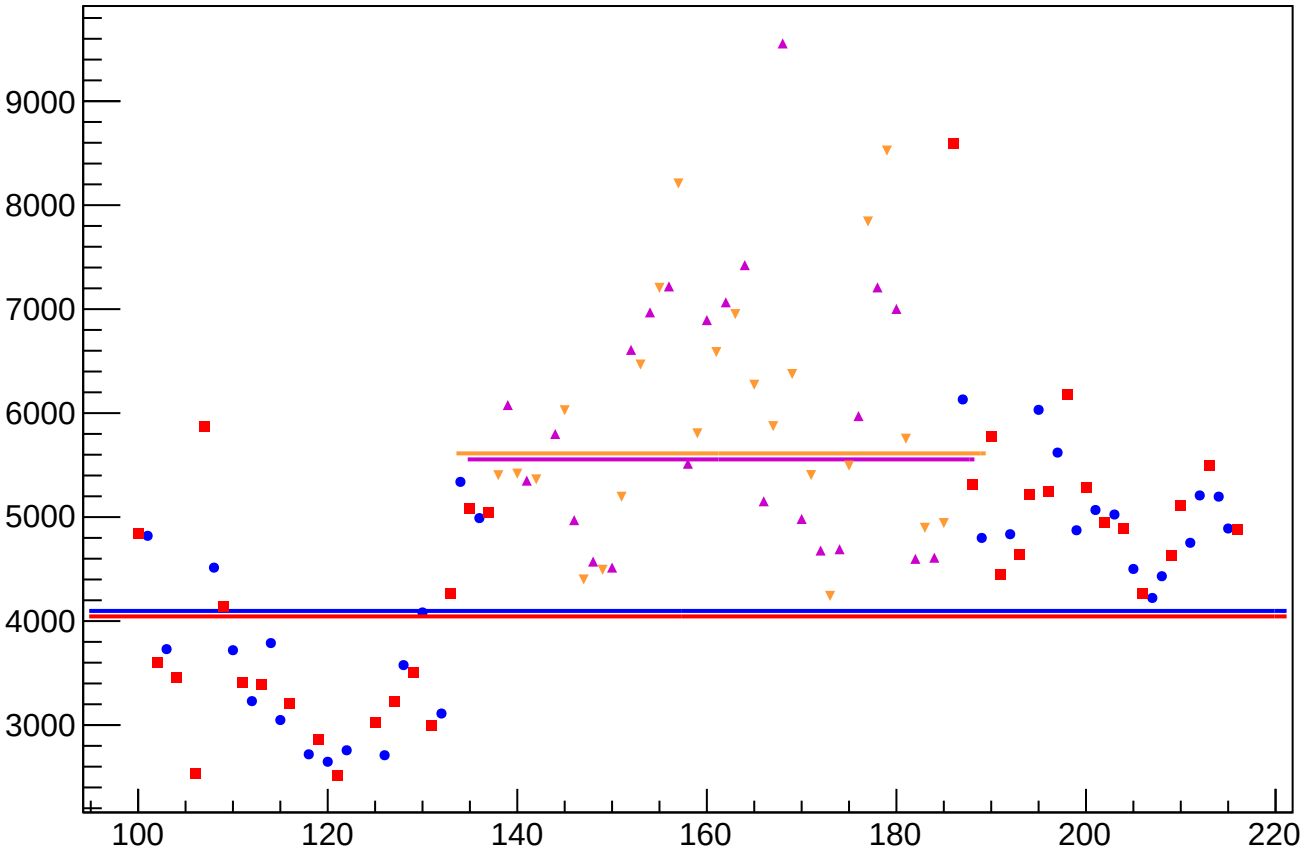
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: 10.591+/-674.922 χ^2/NDF: 96.9/64

In: -315.353+/-778.770 χ^2/NDF:47.9/53

Out: -107.874+/-771.903 χ^2/NDF:95.3/57

All: -210.695+/-548.230 χ^2/NDF: 143.3/111



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: 4044.900+/-0.670 χ^2/NDF: 2548194.0/33

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

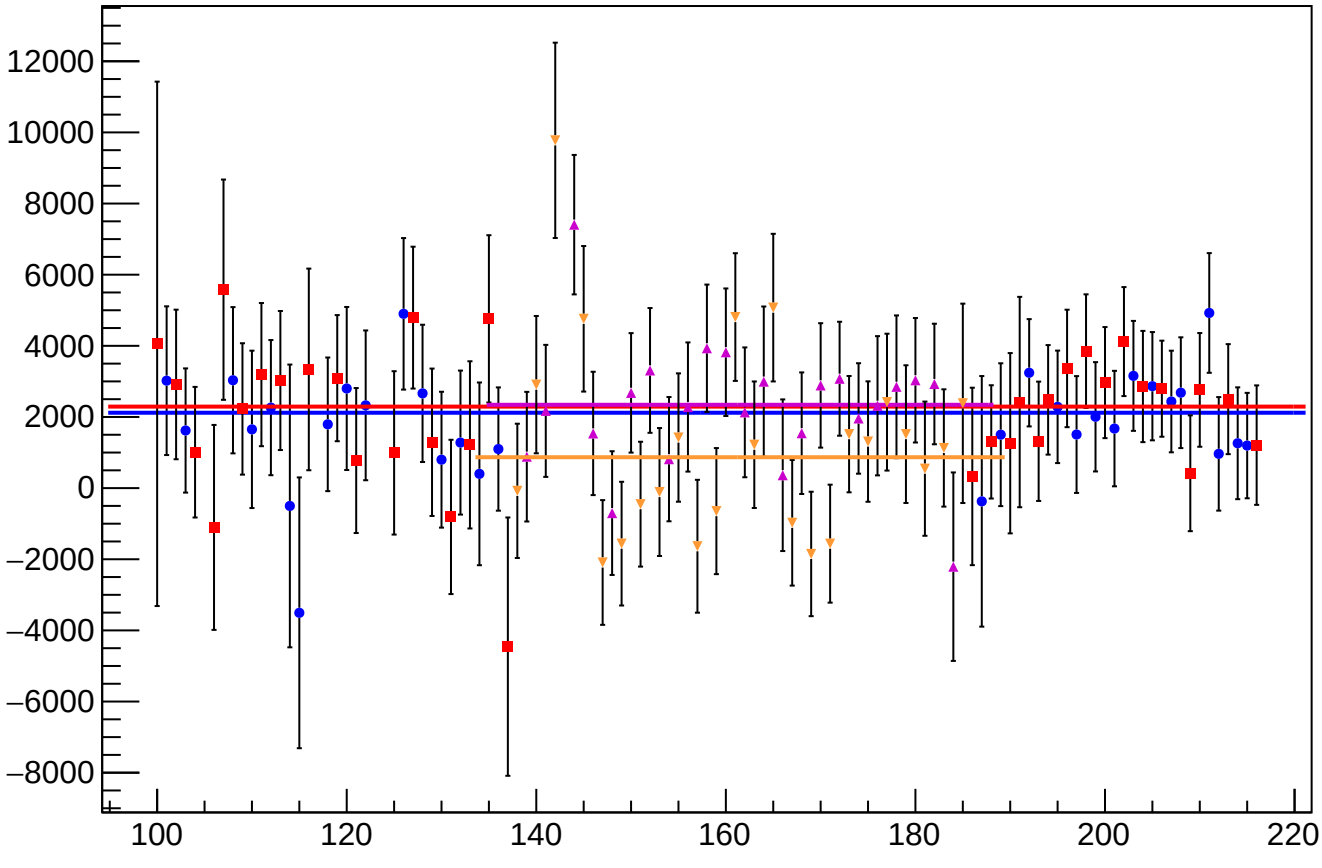
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 4070.909+/-0.477 χ^2/NDF: 4642598.0/64

In: 4600.247+/-0.551 χ^2/NDF:5006277.5/53

Out: 4571.103+/-0.546 χ^2/NDF:5576110.1/57

All: 4585.546+/-0.388 χ^2/NDF: 10583800.3/1



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: 2291.433+/-328.391 χ^2/NDF: 20.0/33

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

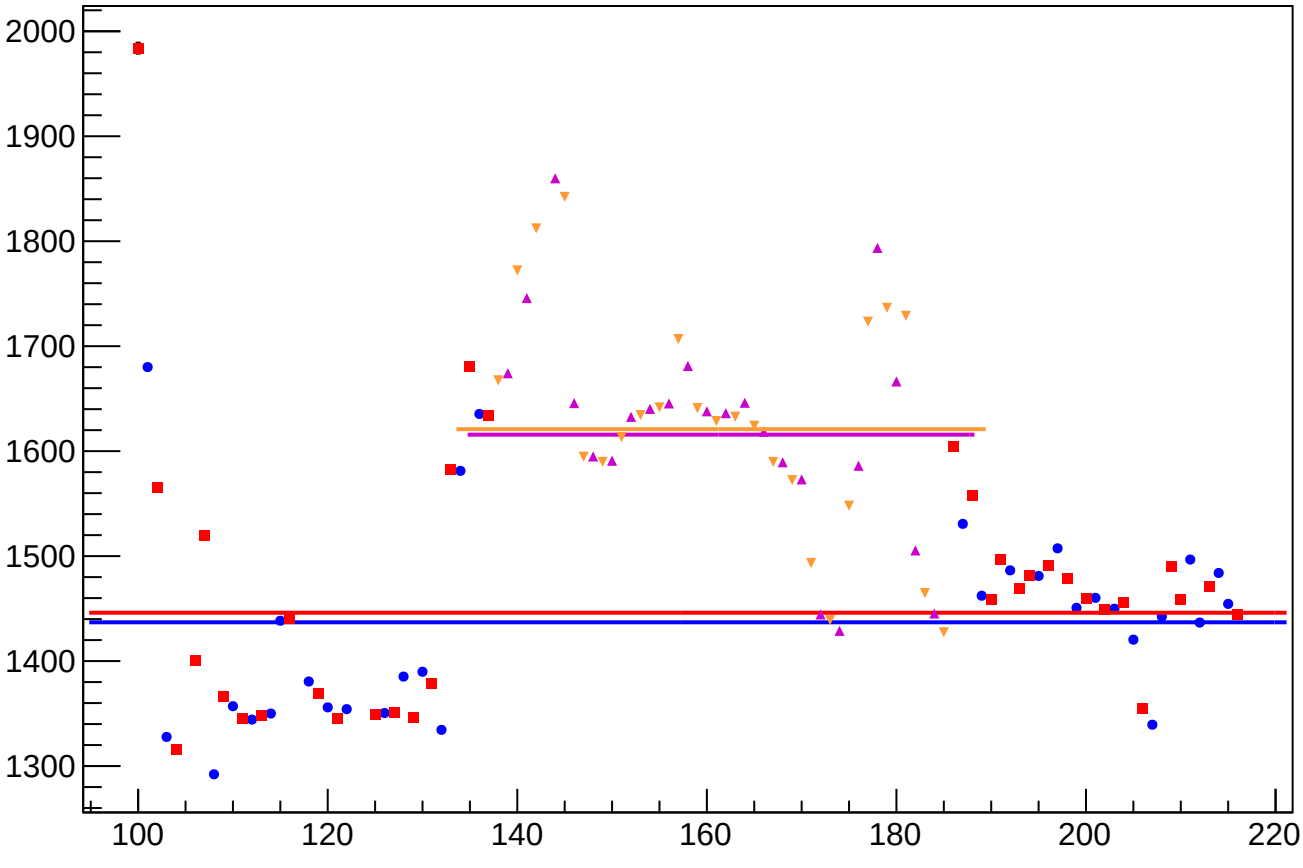
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2205.085+/-232.037 χ^2/NDF: 32.8/64

In: 2214.847+/-247.729 χ^2/NDF:31.0/53

Out: 1677.851+/-247.673 χ^2/NDF:67.8/57

All: 1946.288+/-175.151 χ^2/NDF: 101.1/111



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: 1446.060+/-0.232 χ^2/NDF: 131864.1/33

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

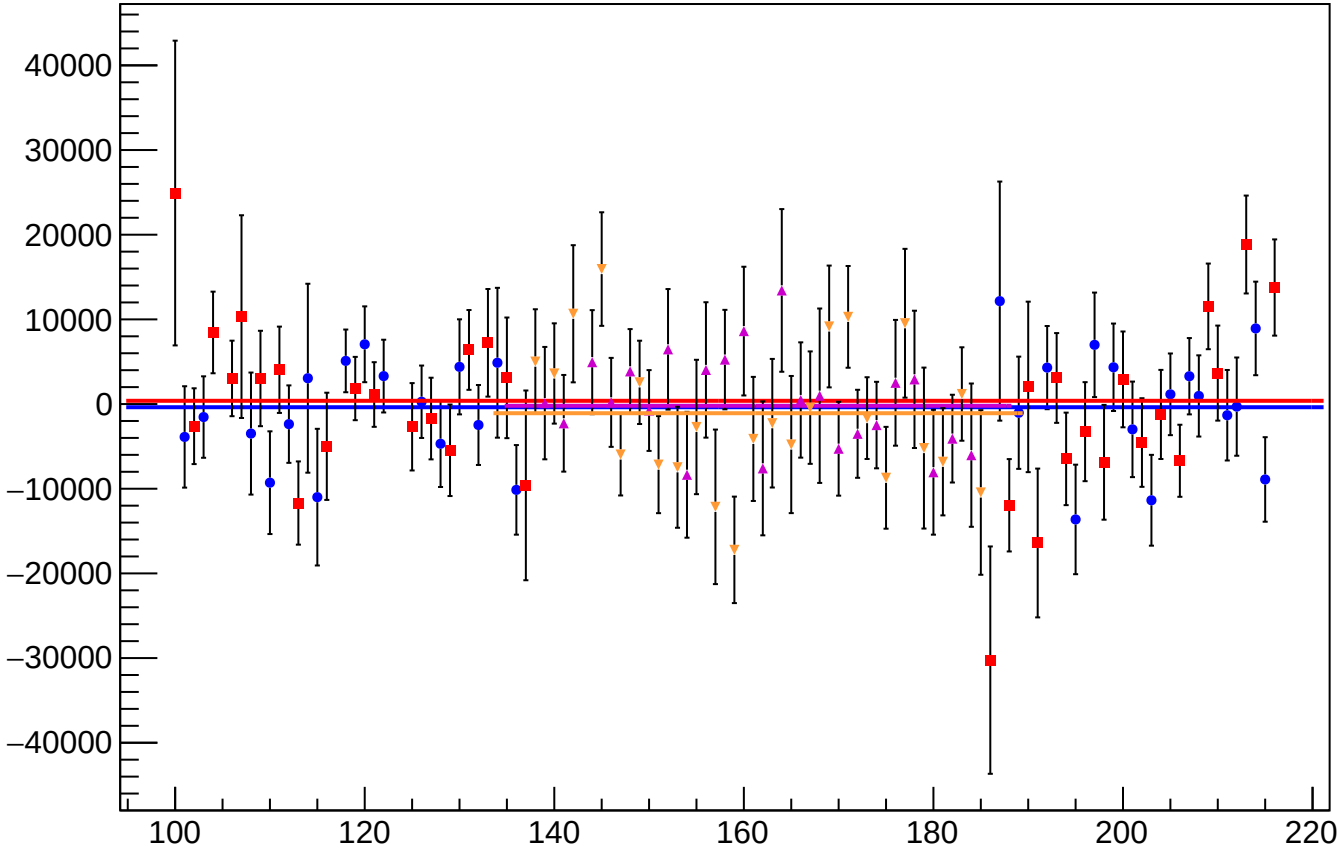
Right: 1441.503+/-0.164 χ^2/NDF: 260812.3/64

In: 1513.681+/-0.175 χ^2/NDF:520444.8/53

Out: 1521.379+/-0.175 χ^2/NDF:518650.4/57

All: 1517.533+/-0.124 χ^2/NDF: 1040061.7/11

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 384.350+/-947.013 χ^2/NDF: 61.5/33

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

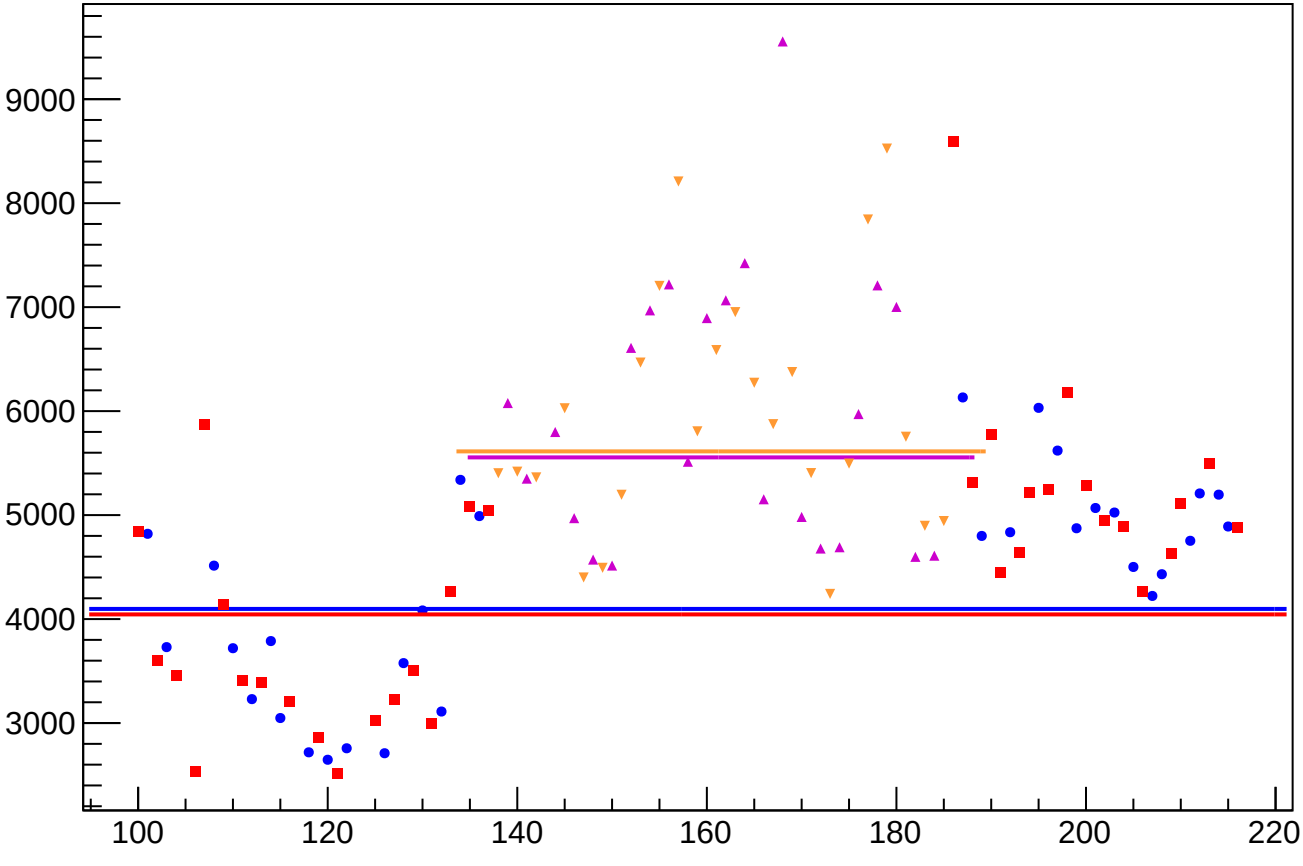
Right: 10.596+/-674.922 χ^2/NDF: 96.9/64

In: -315.350+/-778.770 χ^2/NDF:47.9/53

Out: -107.872+/-771.903 χ^2/NDF:95.3/57

All: -210.692+/-548.230 χ^2/NDF: 143.3/111

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: 4044.894+/-0.670 χ^2/NDF: 2548228.8/33

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

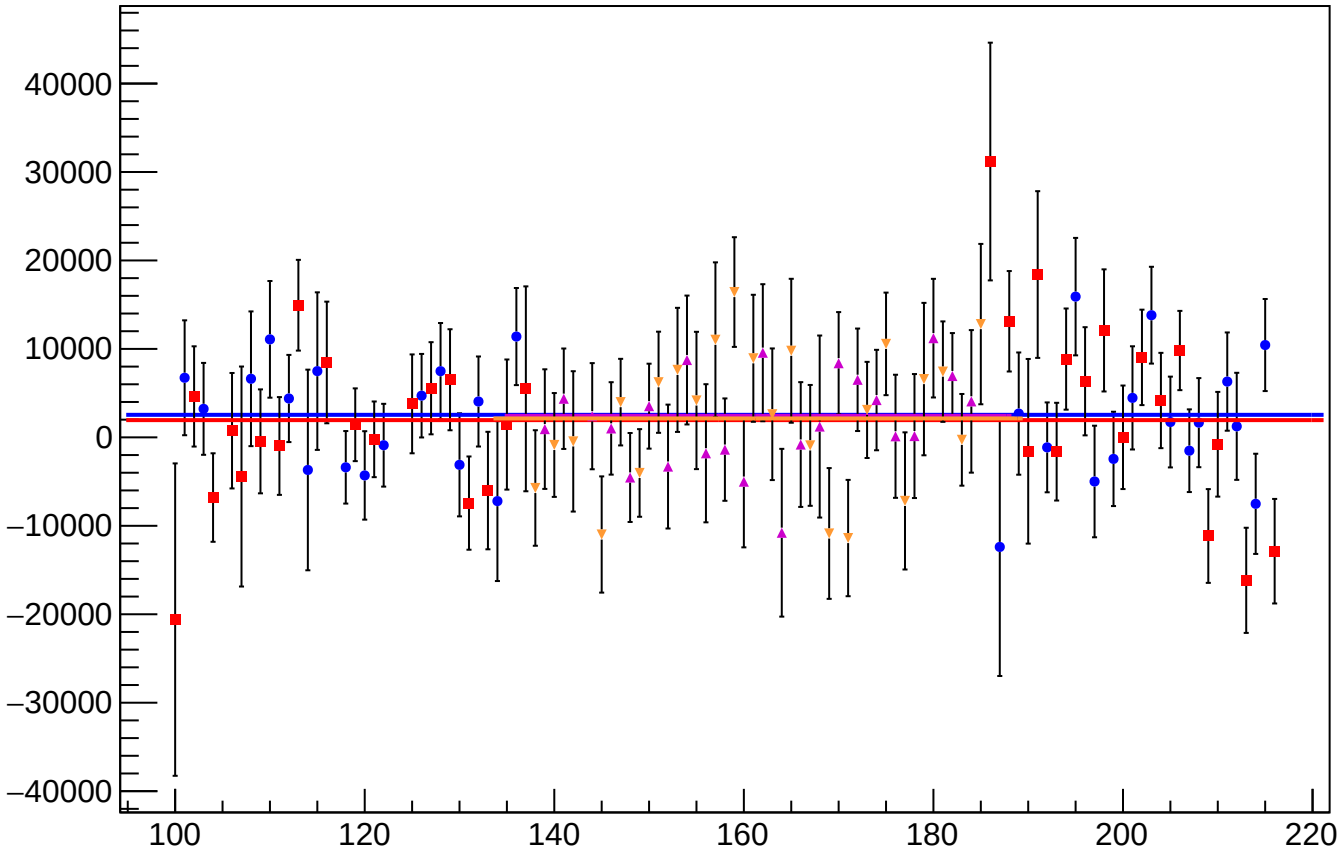
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 4070.904+/-0.477 χ^2/NDF: 4642676.5/64

In: 4600.245+/-0.551 χ^2/NDF:5006347.4/53

Out: 4571.100+/-0.546 χ^2/NDF:5576178.1/57

All: 4585.544+/-0.388 χ^2/NDF: 10583938.5/1



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: 1948.449+/-1020.665 χ^2/NDF: 62.5/33

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

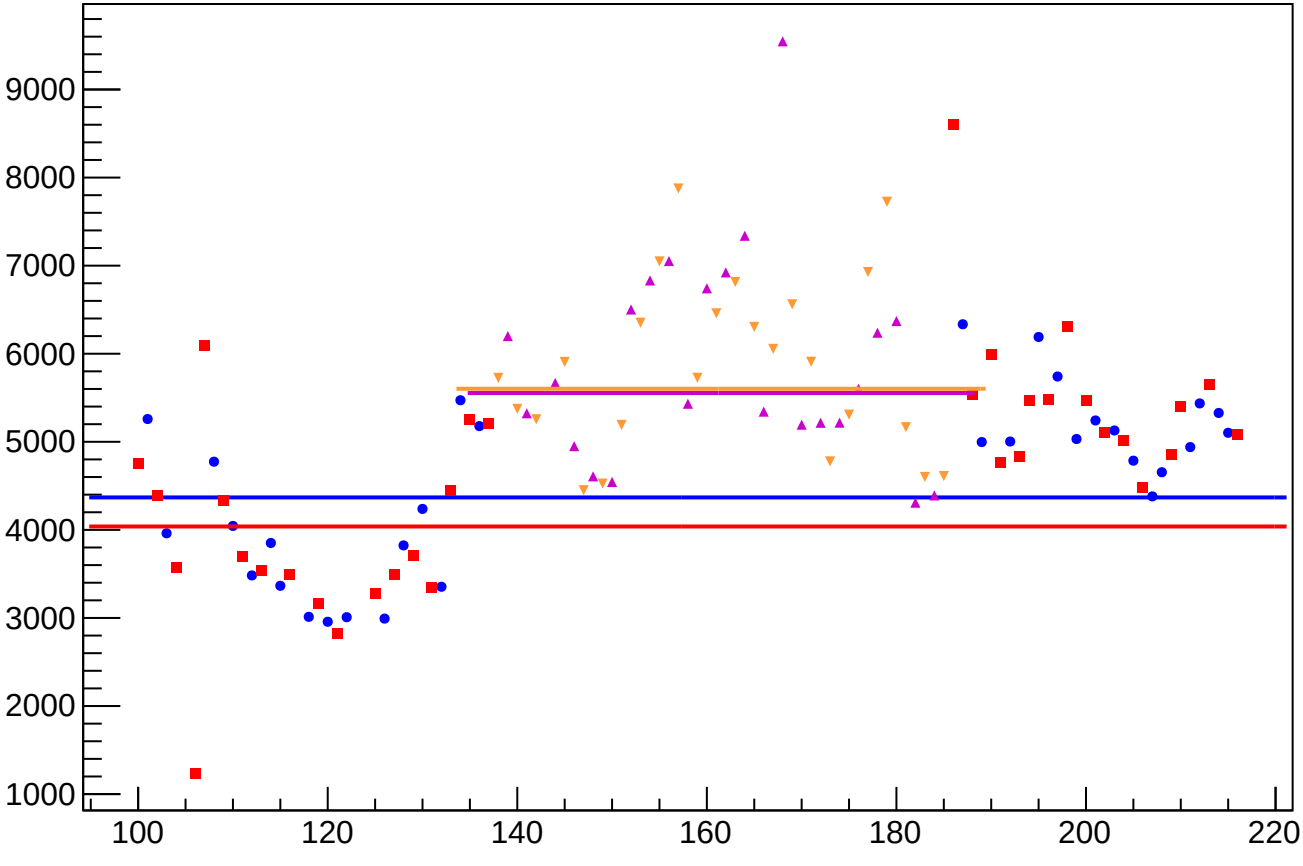
Right: 2247.879+/-721.536 χ^2/NDF: 95.2/64

In: 2502.573+/-807.431 χ^2/NDF:45.4/53

Out: 2019.132+/-808.441 χ^2/NDF:93.2/57

All: 2261.155+/-571.297 χ^2/NDF: 138.7/111

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: 4038.583+/-0.687 χ^2/NDF: 4102139.5/33

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

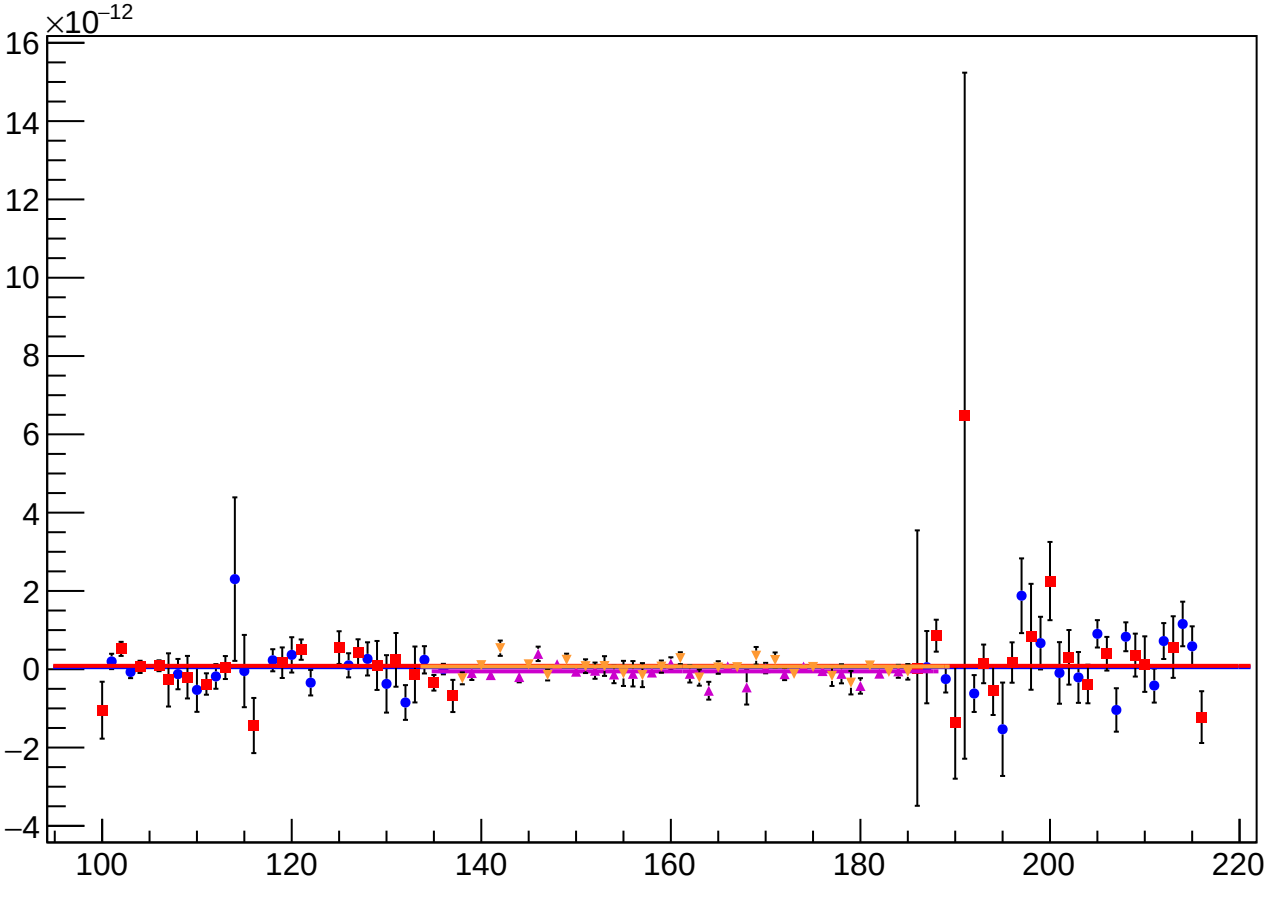
Right: 4195.401+/-0.497 χ^2/NDF: 5900920.8/64

In: 4811.337+/-0.571 χ^2/NDF:3810354.3/53

Out: 4585.347+/-0.554 χ^2/NDF:6855745.4/57

All: 4694.892+/-0.398 χ^2/NDF: 10746828.8/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 43.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 46.8/33

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

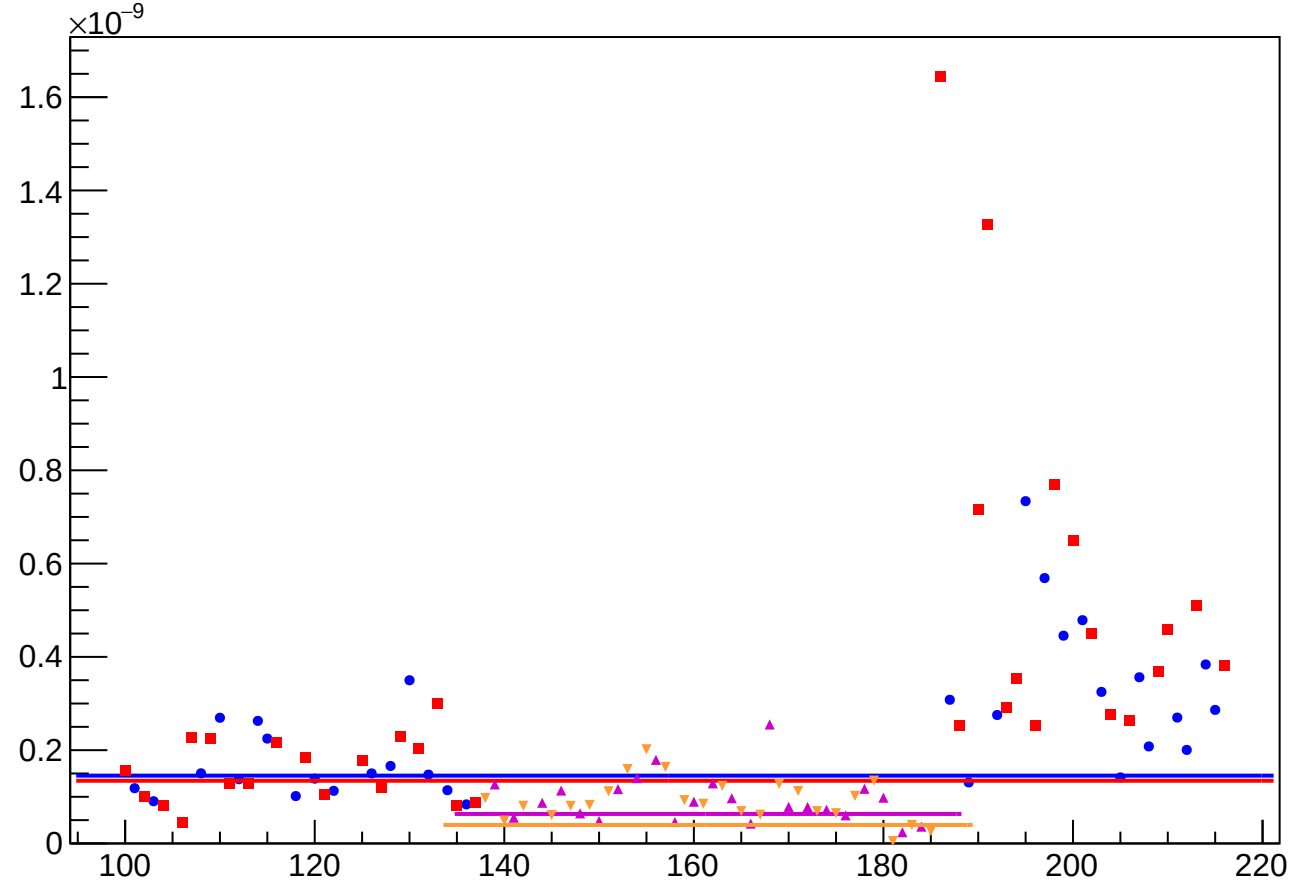
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 90.3/64

In: -0.000+/-0.000 χ^2/NDF:71.2/53

Out: 0.000+/-0.000 χ^2/NDF:75.1/57

All: 0.000+/-0.000 χ^2/NDF: 157.2/111



Right In: 0.000+/-0.000 χ^2/NDF: 4123062.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6378345.3/33

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

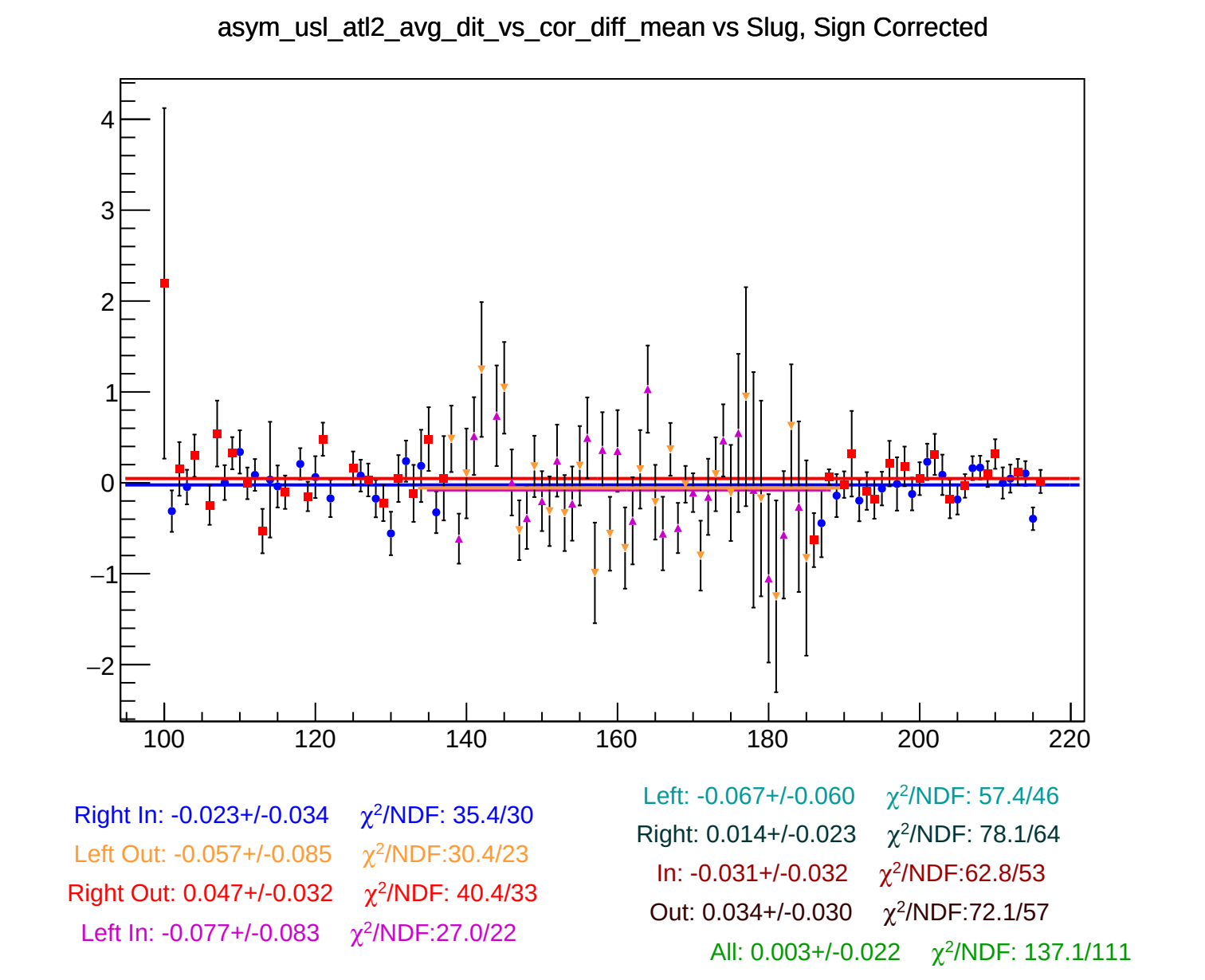
Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

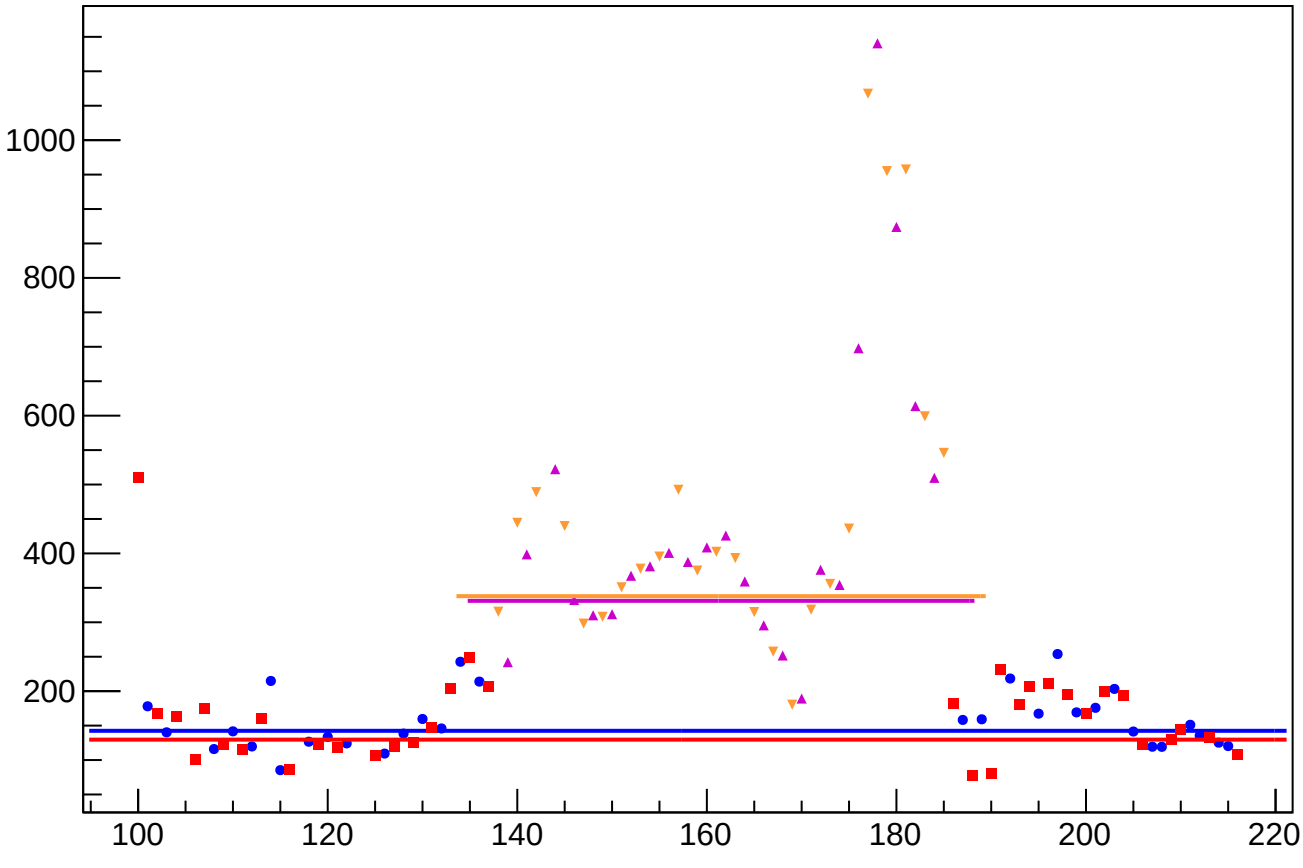
Right: 0.000+/-0.000 χ^2/NDF: 10533305.6/64

In: 0.000+/-0.000 χ^2/NDF:9957453.5/53

Out: 0.000+/-0.000 χ^2/NDF:17637724.9/57

All: 0.000+/-0.000 χ^2/NDF: 28886918.5/111


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.023+/-0.034 χ²/NDF: 35.4/30
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.047+/-0.032 χ²/NDF: 40.4/33
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.014+/-0.023 χ²/NDF: 78.1/64
In: -0.031+/-0.032 χ²/NDF:62.8/53
Out: 0.034+/-0.030 χ²/NDF:72.1/57
All: 0.003+/-0.022 χ²/NDF: 137.1/111



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: 129.629+/-0.023 χ^2/NDF: 3281057.9/33

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

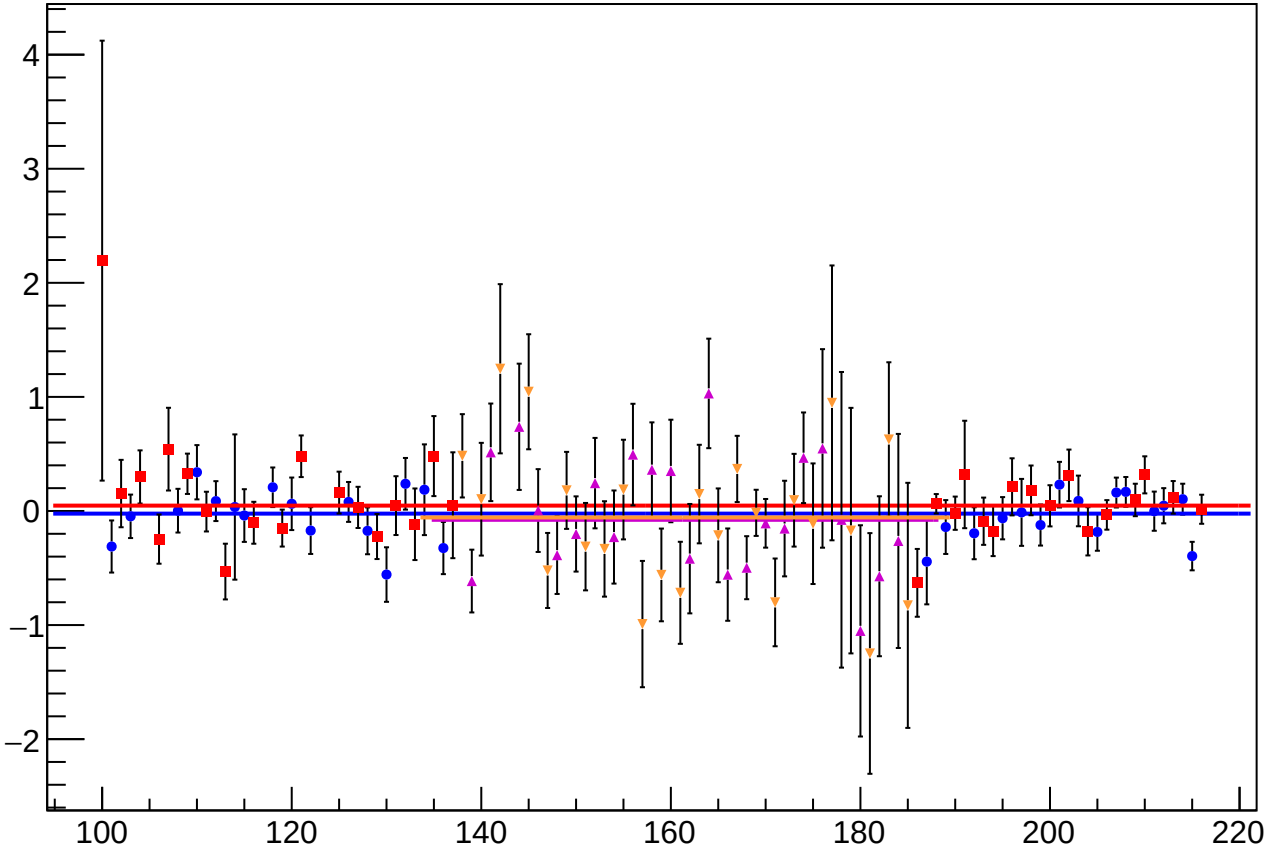
Right: 135.599+/-0.017 χ^2/NDF: 5180999.2/64

In: 169.735+/-0.022 χ^2/NDF:14613986.3/53

Out: 155.285+/-0.021 χ^2/NDF:18217391.7/57

All: 162.106+/-0.015 χ^2/NDF: 33050535.3/11

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: 0.047+/-0.032 χ^2/NDF: 40.4/33

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

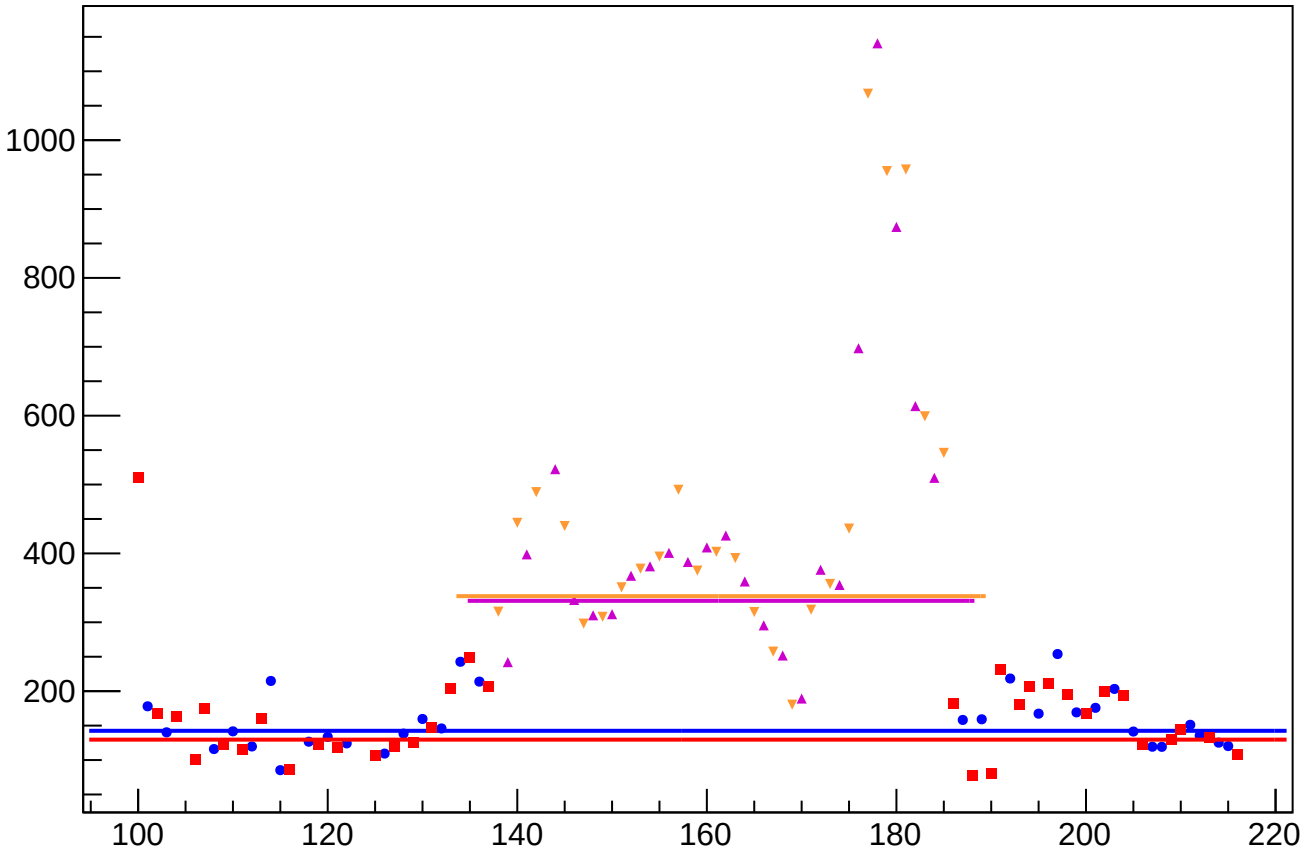
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.014+/-0.023 χ^2/NDF: 78.1/64

In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.034+/-0.030 χ^2/NDF:72.1/57

All: 0.003+/-0.022 χ^2/NDF: 137.1/111



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: 129.629+/-0.023 χ^2/NDF: 3281057.9/33

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

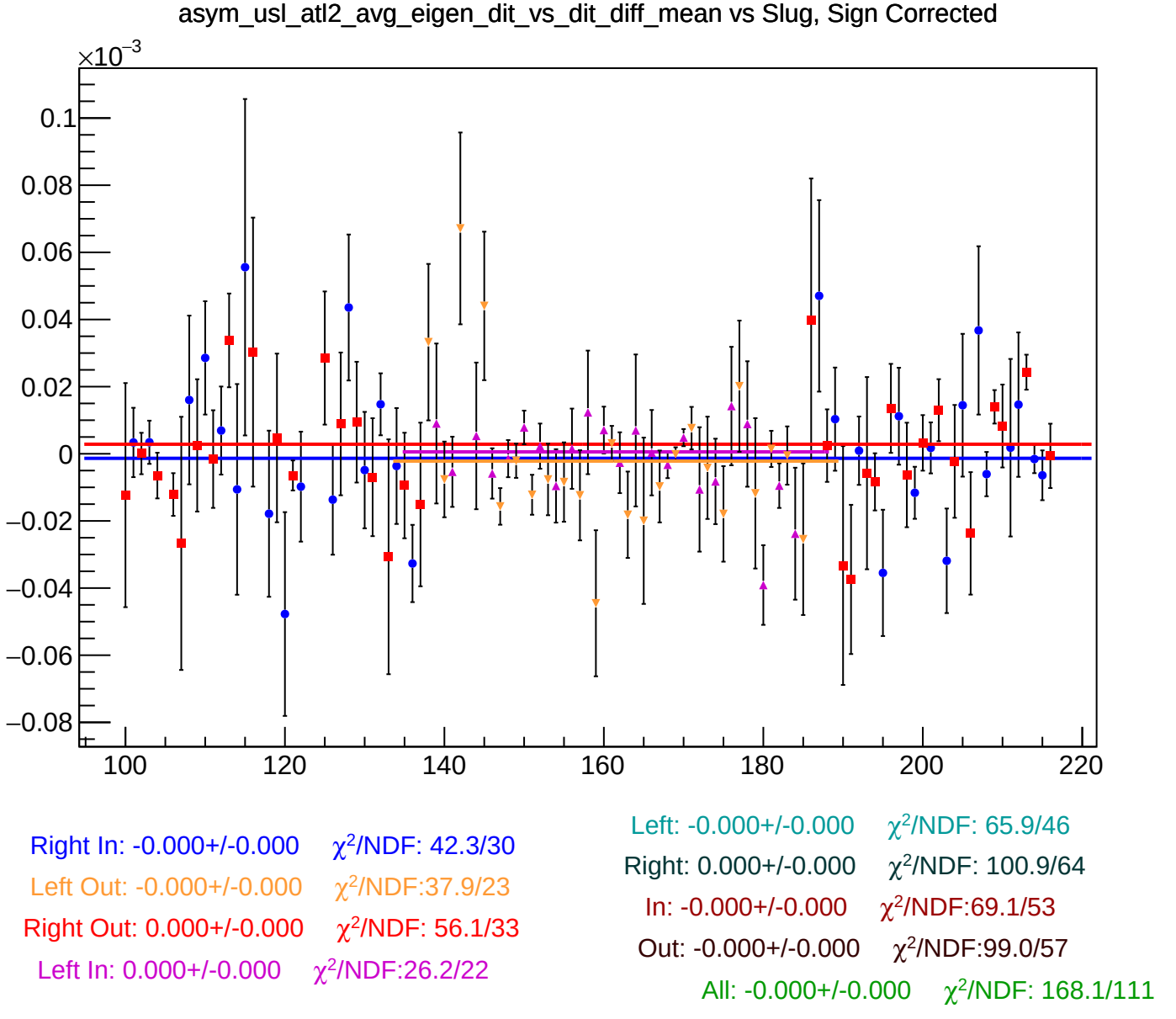
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

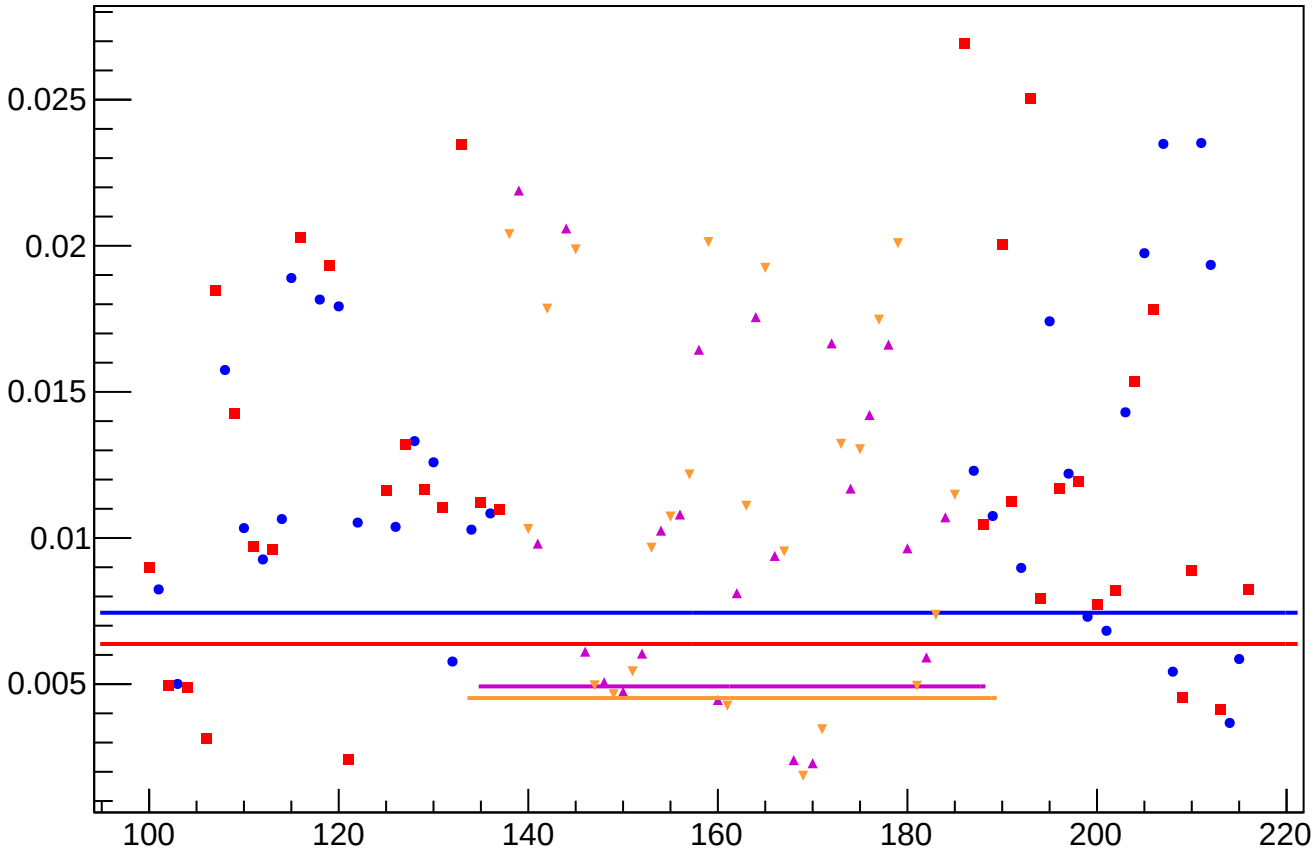
Right: 135.599+/-0.017 χ^2/NDF: 5180999.2/64

In: 169.735+/-0.022 χ^2/NDF:14613986.3/53

Out: 155.285+/-0.021 χ^2/NDF:18217391.7/57

All: 162.106+/-0.015 χ^2/NDF: 33050535.3/11


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: 56.1/33
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: 100.9/64
In: -0.000+/-0.000 χ²/NDF:69.1/53
Out: -0.000+/-0.000 χ²/NDF:99.0/57
All: -0.000+/-0.000 χ²/NDF: 168.1/111



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: 10139995.3/33

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

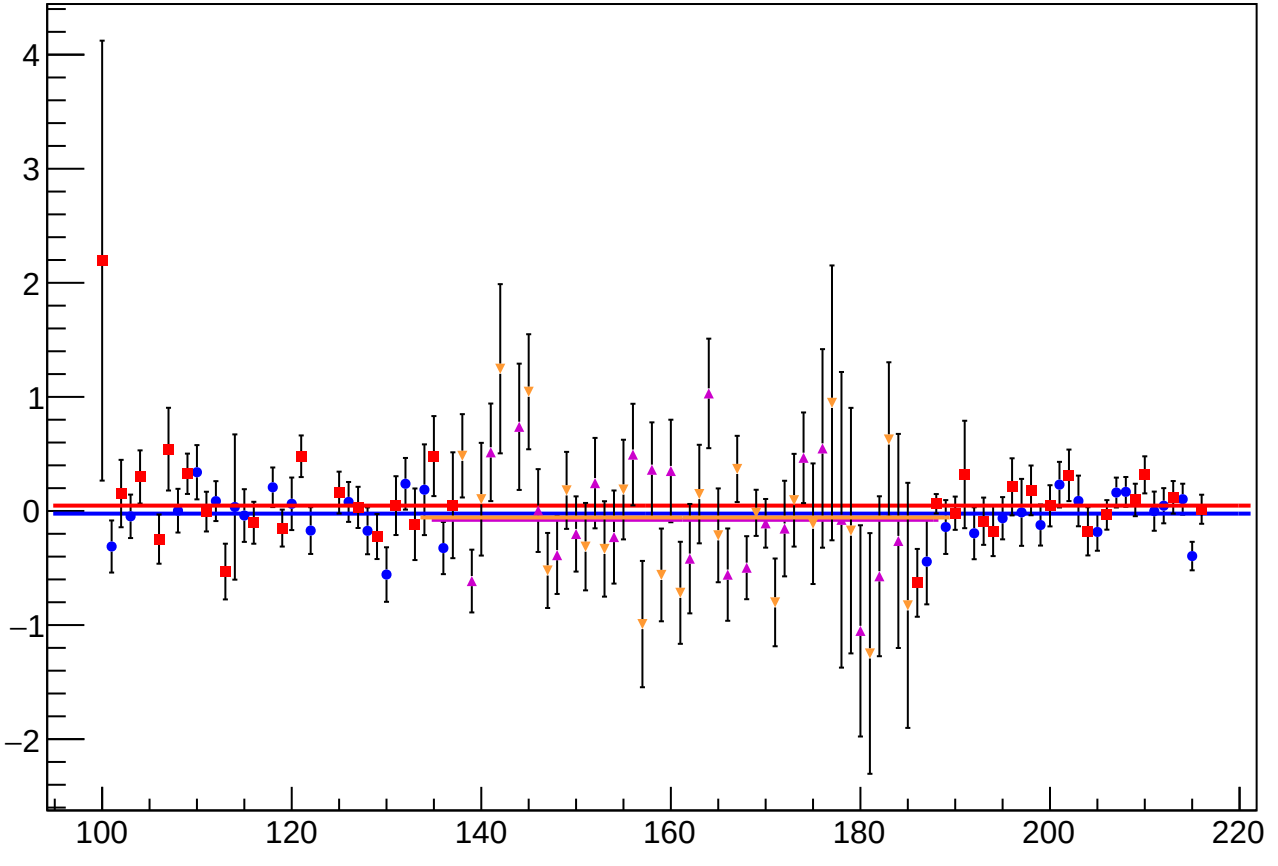
Right: 0.007+/-0.000 χ^2/NDF: 18677498.2/64

In: 0.006+/-0.000 χ^2/NDF:21884602.0/53

Out: 0.005+/-0.000 χ^2/NDF:25727995.0/57

All: 0.006+/-0.000 χ^2/NDF: 47873959.6/111

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: 0.047+/-0.032 χ^2/NDF: 40.4/33

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

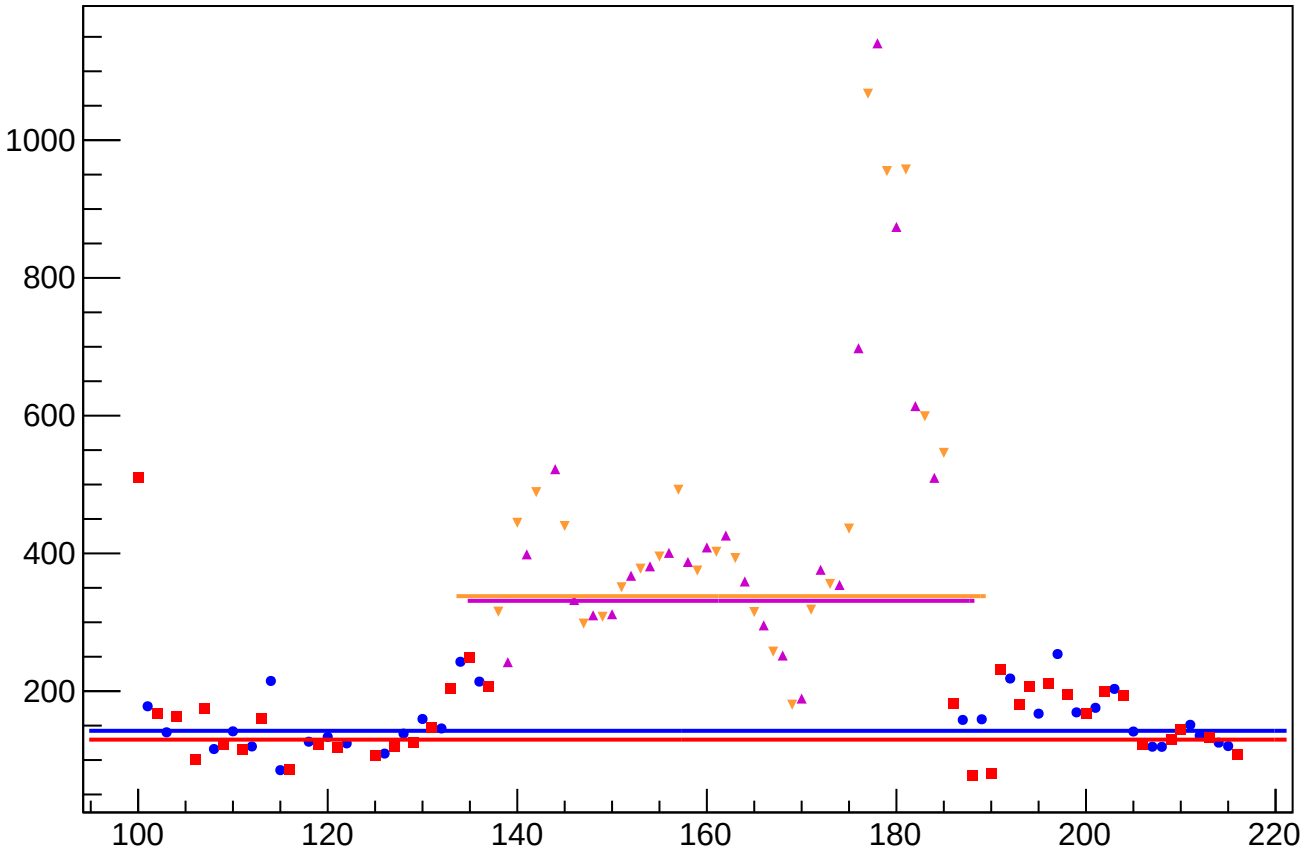
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.014+/-0.023 χ^2/NDF: 78.1/64

In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.034+/-0.030 χ^2/NDF:72.1/57

All: 0.003+/-0.022 χ^2/NDF: 137.1/111



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: 129.628+/-0.023 χ^2/NDF: 3281213.9/33

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

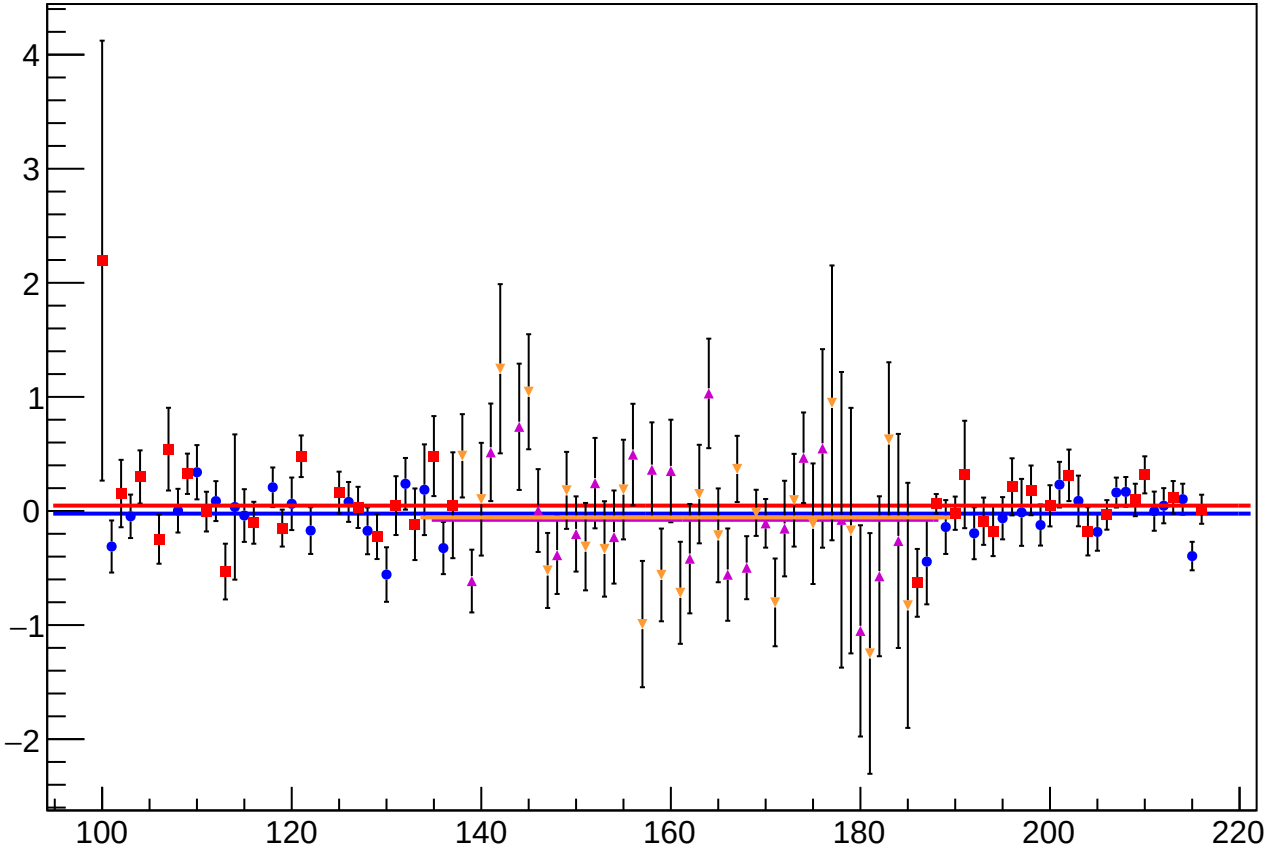
Right: 135.599+/-0.017 χ^2/NDF: 5181196.6/64

In: 169.736+/-0.022 χ^2/NDF:14614120.7/53

Out: 155.283+/-0.021 χ^2/NDF:18217850.6/57

All: 162.105+/-0.015 χ^2/NDF: 33051181.7/11

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: 0.047+/-0.032 χ^2/NDF: 40.4/33

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

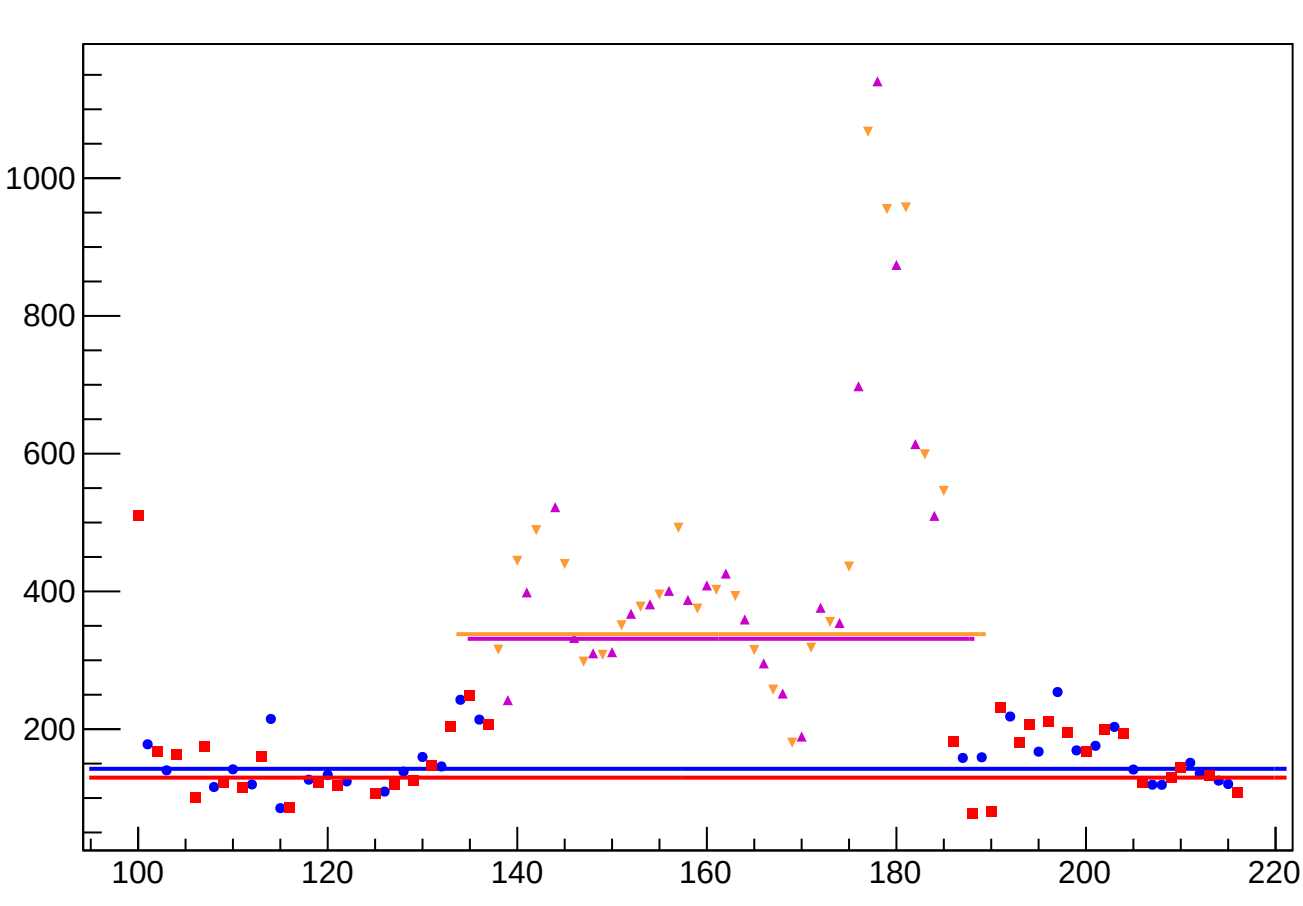
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

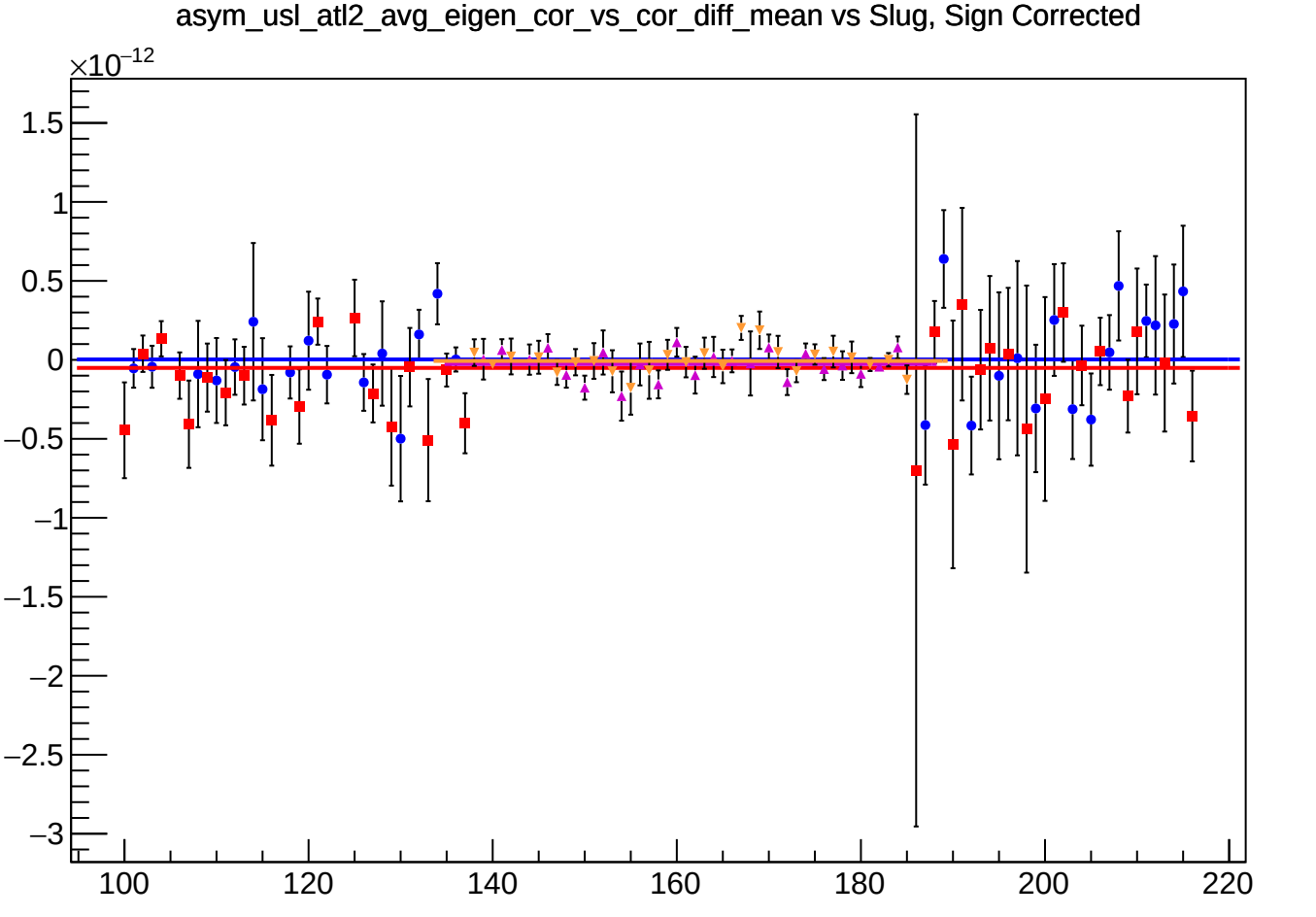
Right: 0.014+/-0.023 χ^2/NDF: 78.1/64

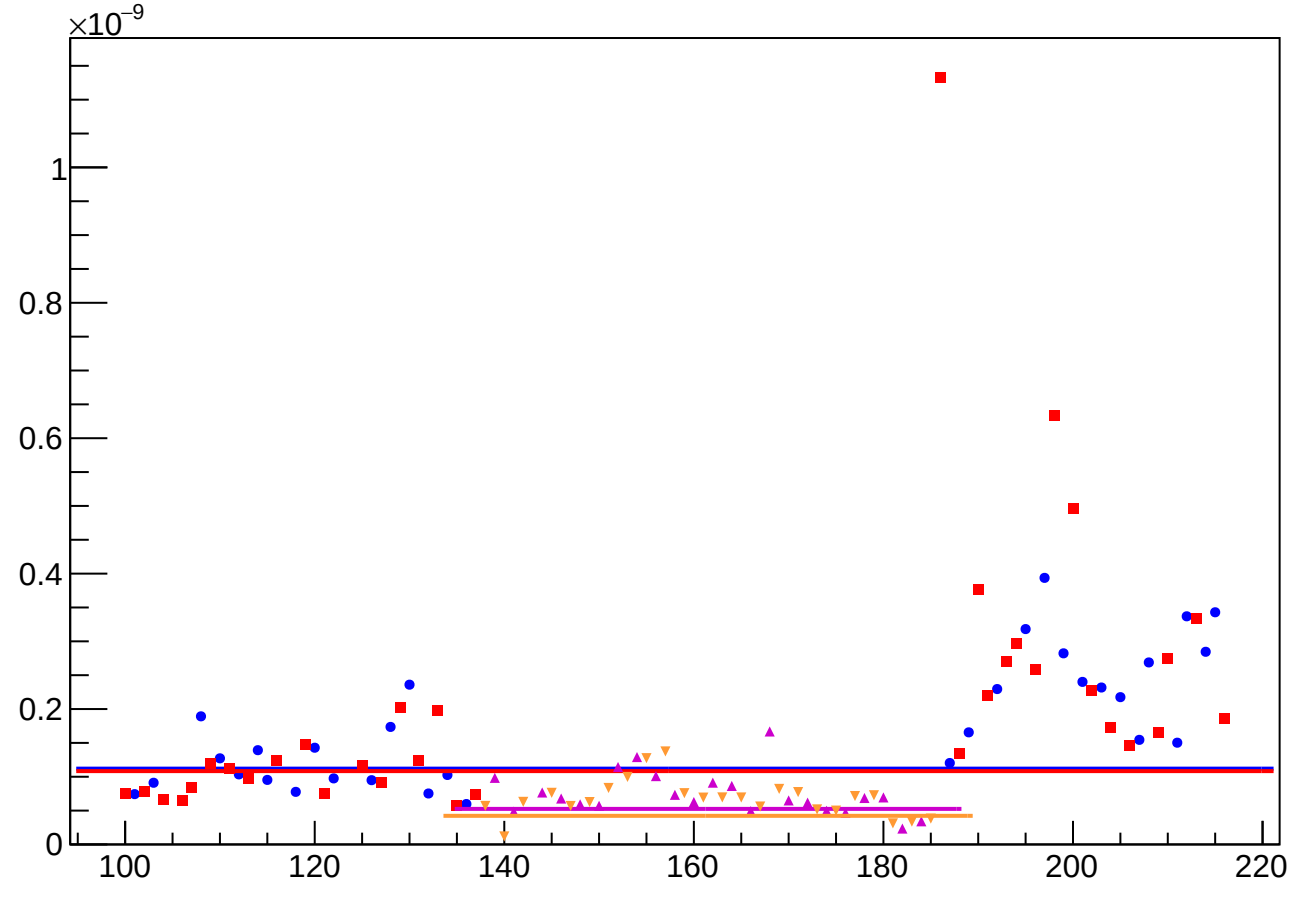
In: -0.031+/-0.032 χ^2/NDF:62.8/53

Out: 0.034+/-0.030 χ^2/NDF:72.1/57

All: 0.003+/-0.022 χ^2/NDF: 137.1/111


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 142.446+/-0.024 χ²/NDF: 1750761.1/30
Left Out: 337.939+/-0.060 χ²/NDF:4517201.8/23
Right Out: 129.628+/-0.023 χ²/NDF: 3281213.9/33
Left In: 331.161+/-0.059 χ²/NDF:4106963.1/22
Left: 334.468+/-0.042 χ²/NDF: 8630607.3/46
Right: 135.599+/-0.017 χ²/NDF: 5181196.6/64
In: 169.736+/-0.022 χ²/NDF:14614120.7/53
Out: 155.283+/-0.021 χ²/NDF:18217850.6/57
All: 162.105+/-0.015 χ²/NDF: 33051181.7/1


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 25.6/30
Left Out: -0.000+/-0.000 χ²/NDF:18.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.5/33
Left In: -0.000+/-0.000 χ²/NDF:22.8/22
Left: -0.000+/-0.000 χ²/NDF: 41.7/46
Right: -0.000+/-0.000 χ²/NDF: 55.1/64
In: -0.000+/-0.000 χ²/NDF:48.9/53
Out: -0.000+/-0.000 χ²/NDF:47.8/57
All: -0.000+/-0.000 χ²/NDF: 96.9/111



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: 6344606.6/33

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

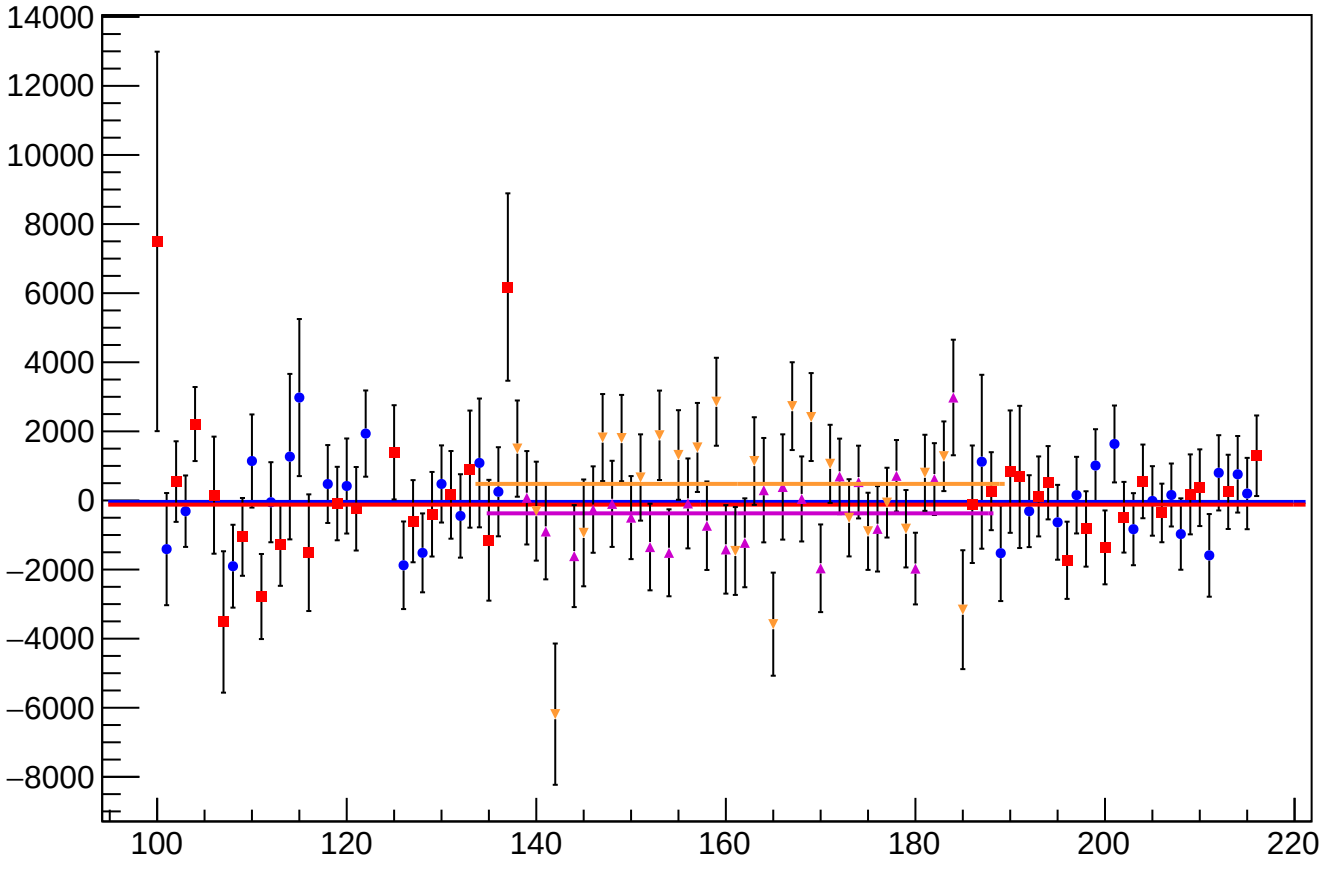
Right: 0.000+/-0.000 χ^2/NDF: 12507365.5/64

In: 0.000+/-0.000 χ^2/NDF:15175276.2/53

Out: 0.000+/-0.000 χ^2/NDF:18467803.3/57

All: 0.000+/-0.000 χ^2/NDF: 34225563.0/111

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



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: -120.885+/-213.797 χ^2/NDF: 31.6/33

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

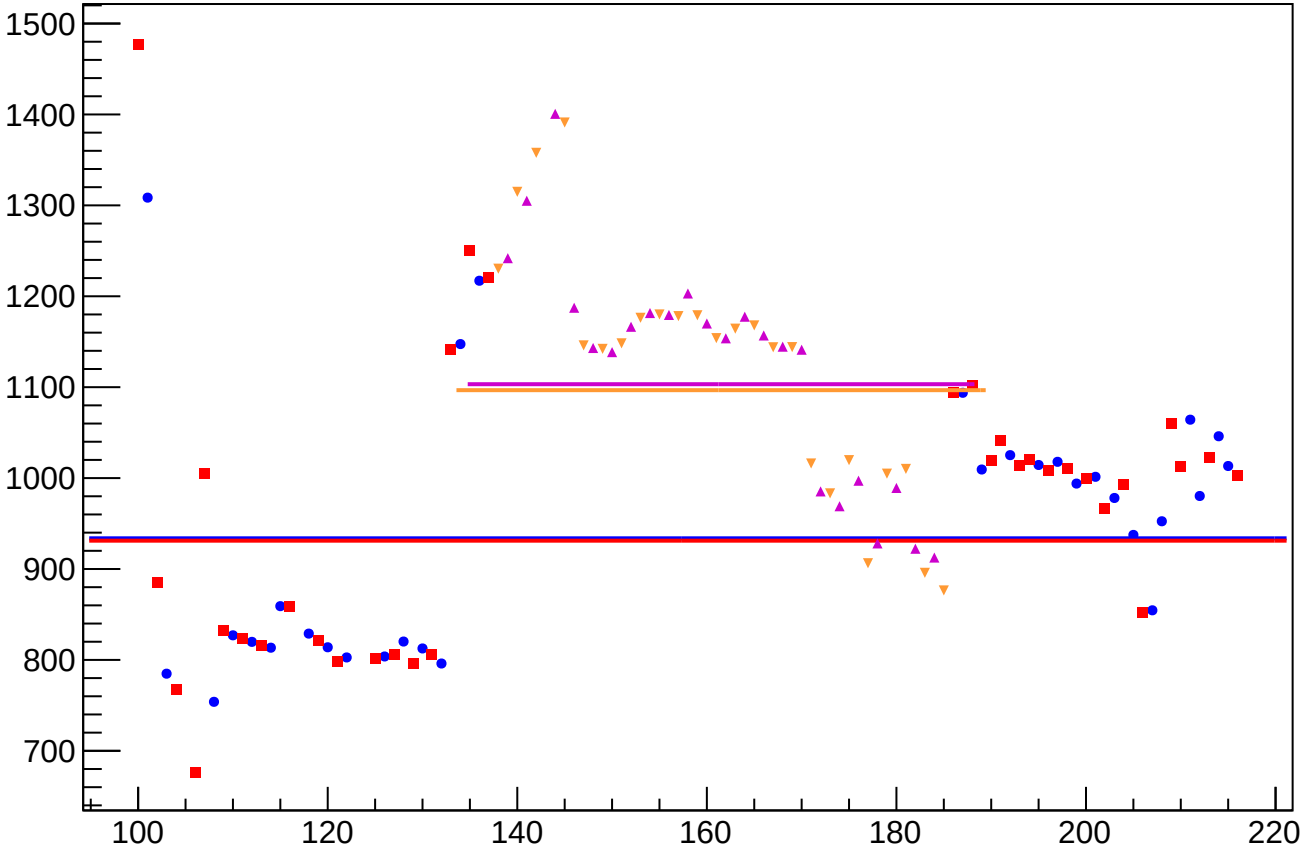
Right: -82.003+/-151.458 χ^2/NDF: 54.4/64

In: -177.003+/-165.325 χ^2/NDF:39.7/53

Out: 125.454+/-164.184 χ^2/NDF:80.1/57

All: -24.727+/-116.497 χ^2/NDF: 121.4/111

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: 931.173+/-0.150 χ^2/NDF: 664482.8/33

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

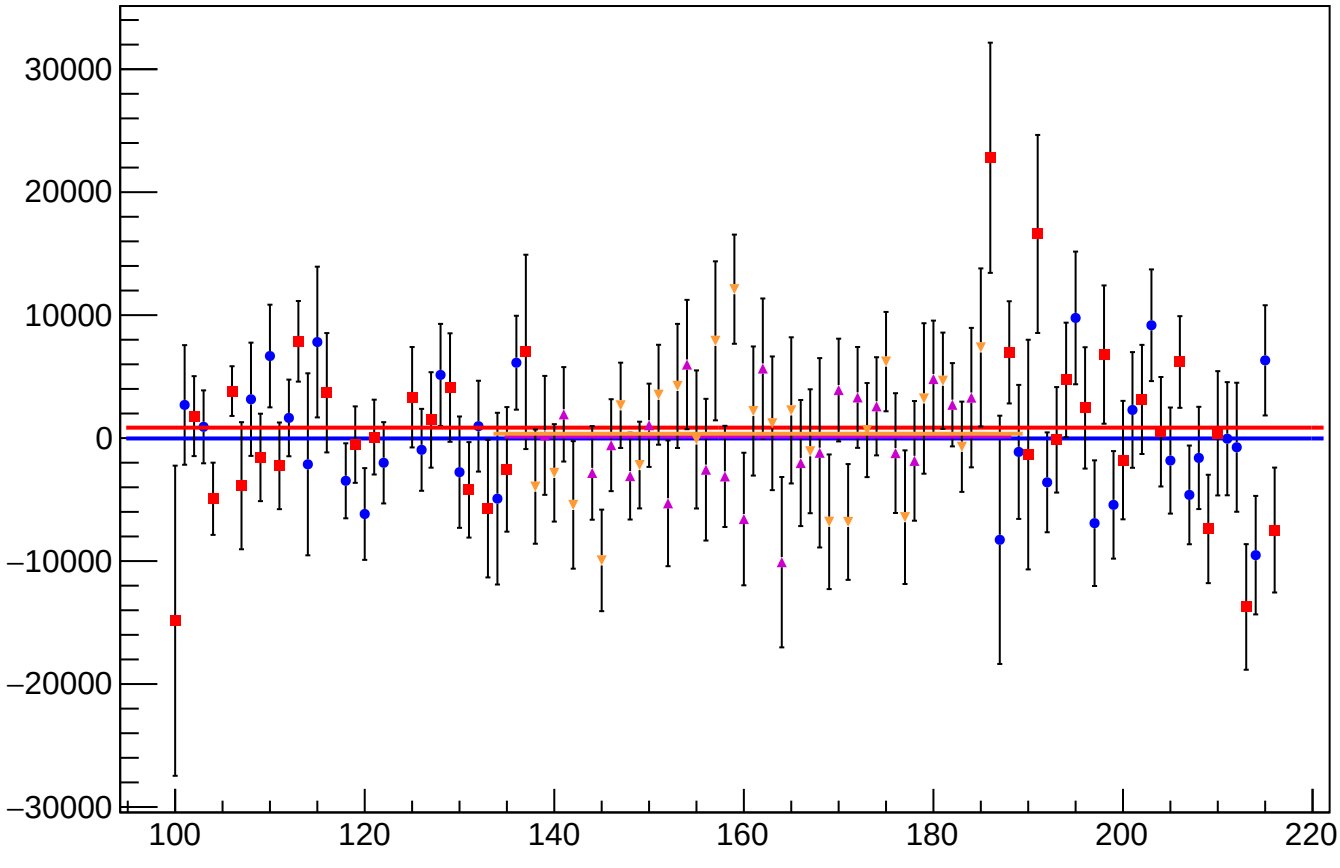
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 932.451+/-0.107 χ^2/NDF: 1309795.0/64

In: 1002.661+/-0.117 χ^2/NDF:1600043.3/53

Out: 998.645+/-0.116 χ^2/NDF:1639122.9/57

All: 1000.633+/-0.082 χ^2/NDF: 3239762.3/11



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: 850.992+/-708.895 χ^2/NDF: 50.5/33

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

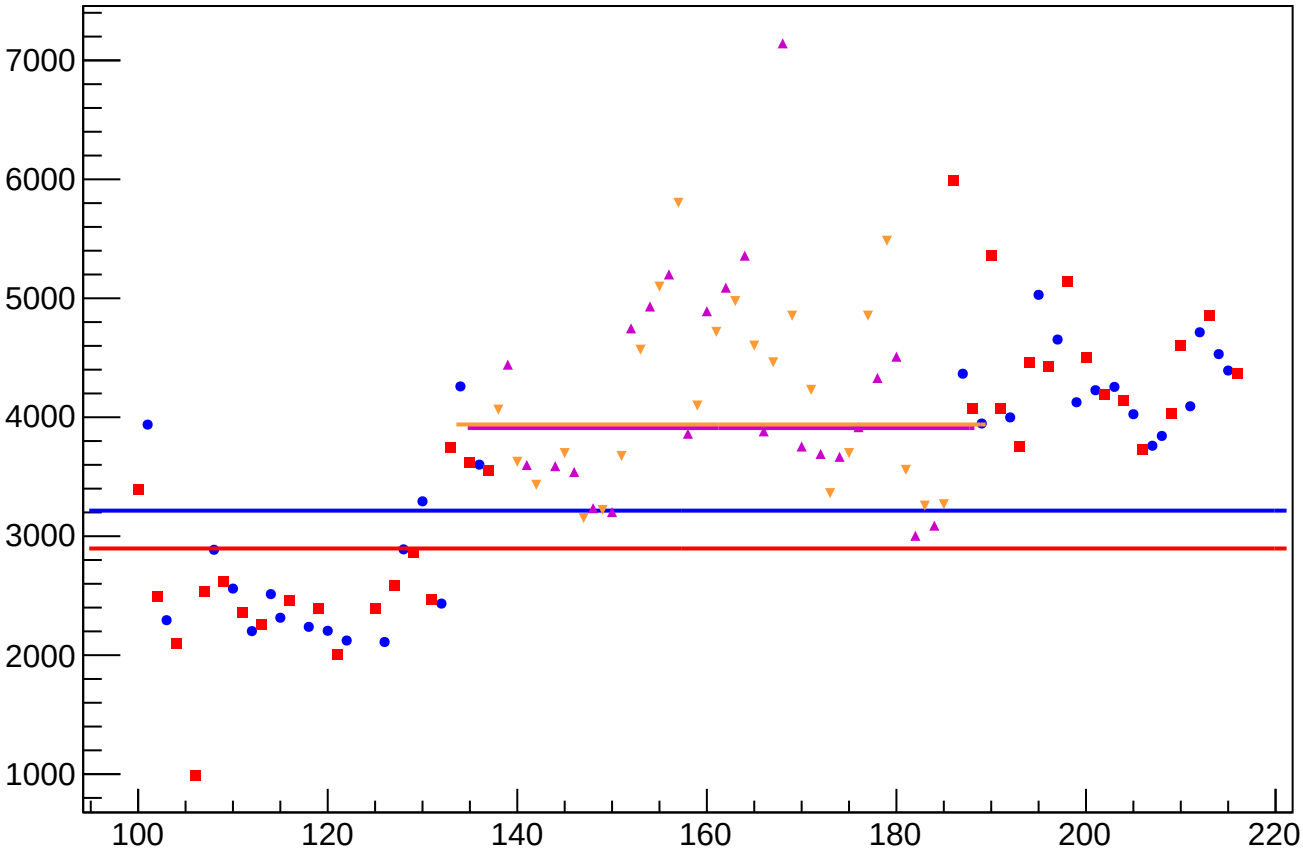
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 444.320+/-519.792 χ^2/NDF: 86.2/64

In: 33.822+/-591.218 χ^2/NDF:48.8/53

Out: 670.755+/-564.719 χ^2/NDF:80.9/57

All: 366.881+/-408.363 χ^2/NDF: 130.3/111



Right In: 3214.973+/-0.541 χ^2/NDF: 3008217.6/30

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2896.854+/-0.501 χ^2/NDF: 5363037.2/33

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

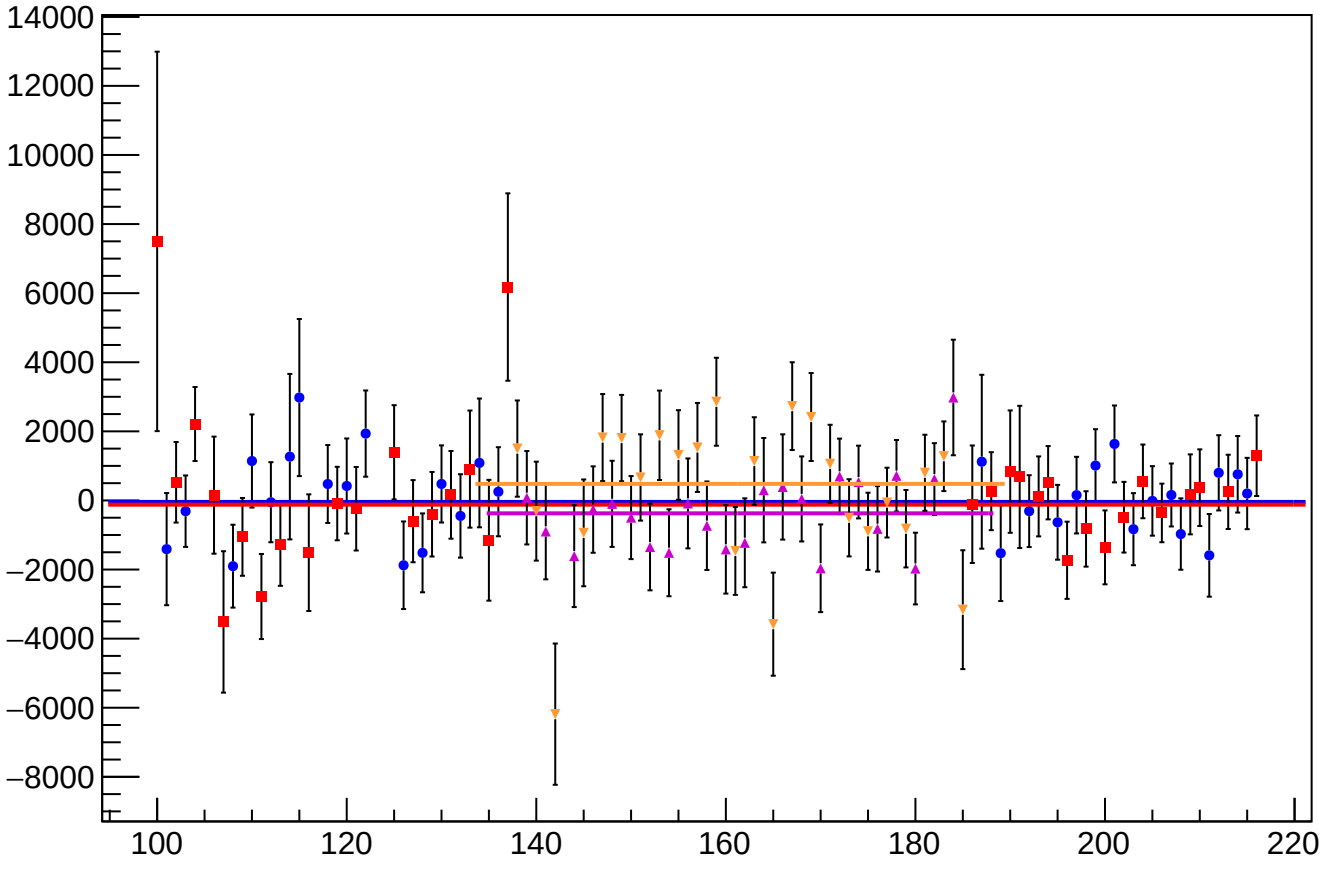
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 3043.938+/-0.368 χ^2/NDF: 8557472.2/64

In: 3493.920+/-0.418 χ^2/NDF:4971709.8/53

Out: 3277.748+/-0.399 χ^2/NDF:8035887.8/57

All: 3380.881+/-0.289 χ^2/NDF: 13147414.9/1



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: -121.612+/-213.798 χ^2/NDF: 31.6/33

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

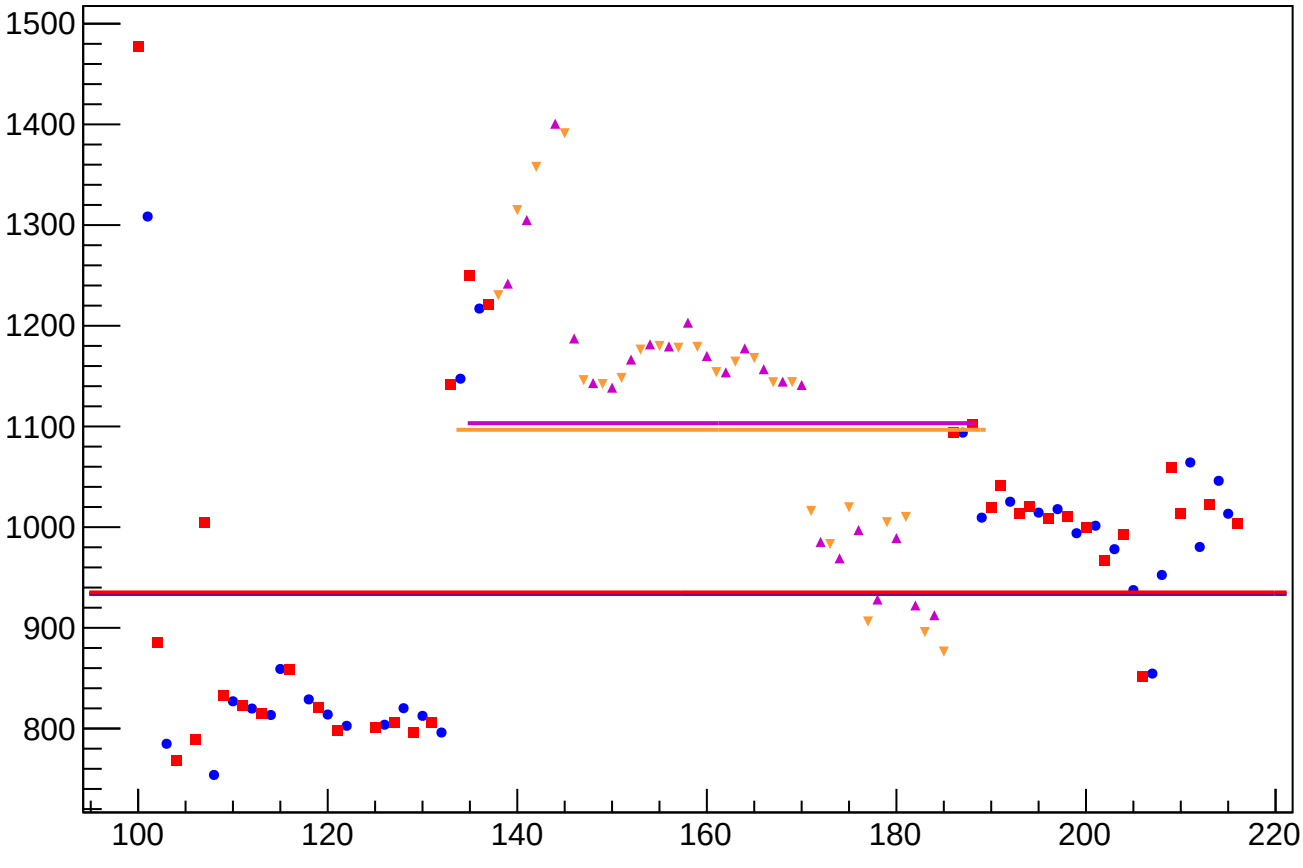
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

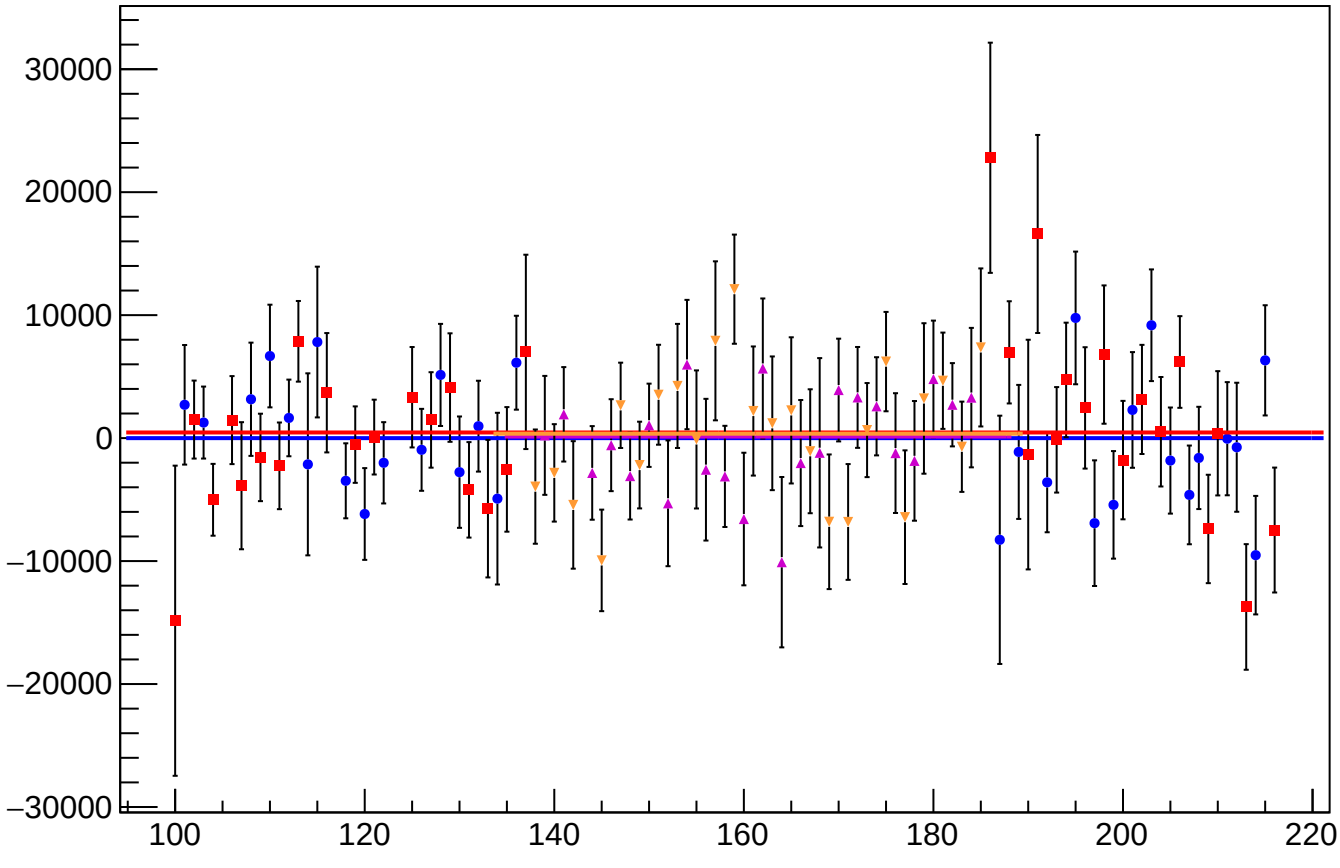
Right: -82.367+/-151.459 χ^2/NDF: 54.4/64

In: -176.993+/-165.325 χ^2/NDF:39.7/53

Out: 125.038+/-164.185 χ^2/NDF:80.0/57

All: -24.932+/-116.497 χ^2/NDF: 121.4/111


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: 935.152+/-0.151 χ²/NDF: 604681.7/33
Left In: 1103.281+/-0.183 χ²/NDF:447540.3/22
Left: 1099.958+/-0.129 χ²/NDF: 928688.1/46
Right: 934.457+/-0.107 χ²/NDF: 1249890.4/64
In: 1002.661+/-0.117 χ²/NDF:1600043.3/53
Out: 1001.255+/-0.116 χ²/NDF:1554606.2/57
All: 1001.952+/-0.082 χ²/NDF: 3154722.4/11



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: 457.549+/-739.344 χ^2/NDF: 48.2/33

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

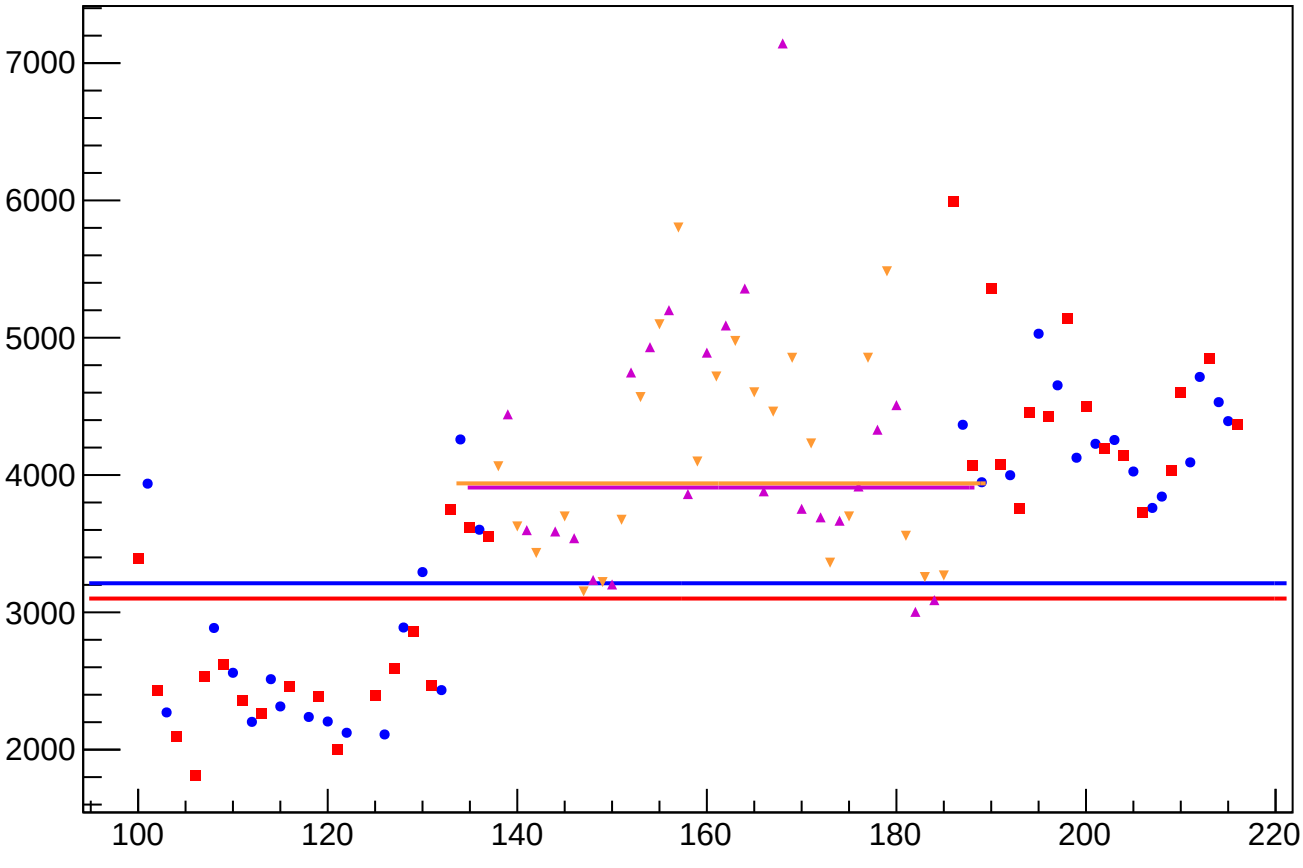
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 234.770+/-531.216 χ^2/NDF: 83.5/64

In: 49.060+/-590.903 χ^2/NDF:48.8/53

Out: 419.107+/-579.754 χ^2/NDF:78.5/57

All: 237.607+/-413.834 χ^2/NDF: 127.5/111



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: 3100.476+/-0.523 χ^2/NDF: 3627832.0/33

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

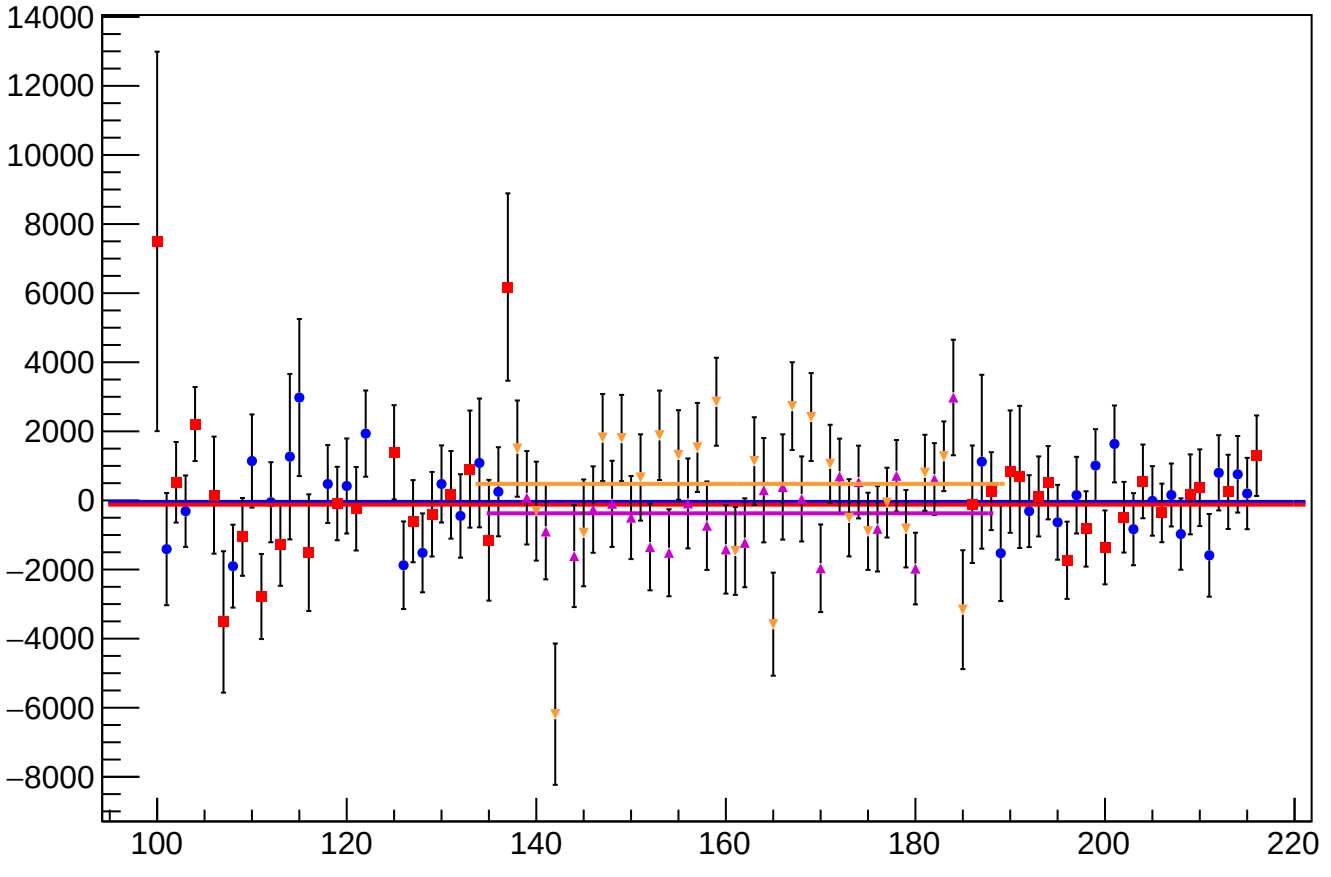
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3154.311+/-0.376 χ^2/NDF: 6673019.3/64

In: 3491.699+/-0.418 χ^2/NDF:4993382.7/53

Out: 3423.505+/-0.410 χ^2/NDF:5711850.0/57

All: 3456.953+/-0.293 χ^2/NDF: 10718804.8/1



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: -121.612+/-213.798 χ^2/NDF: 31.6/33

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

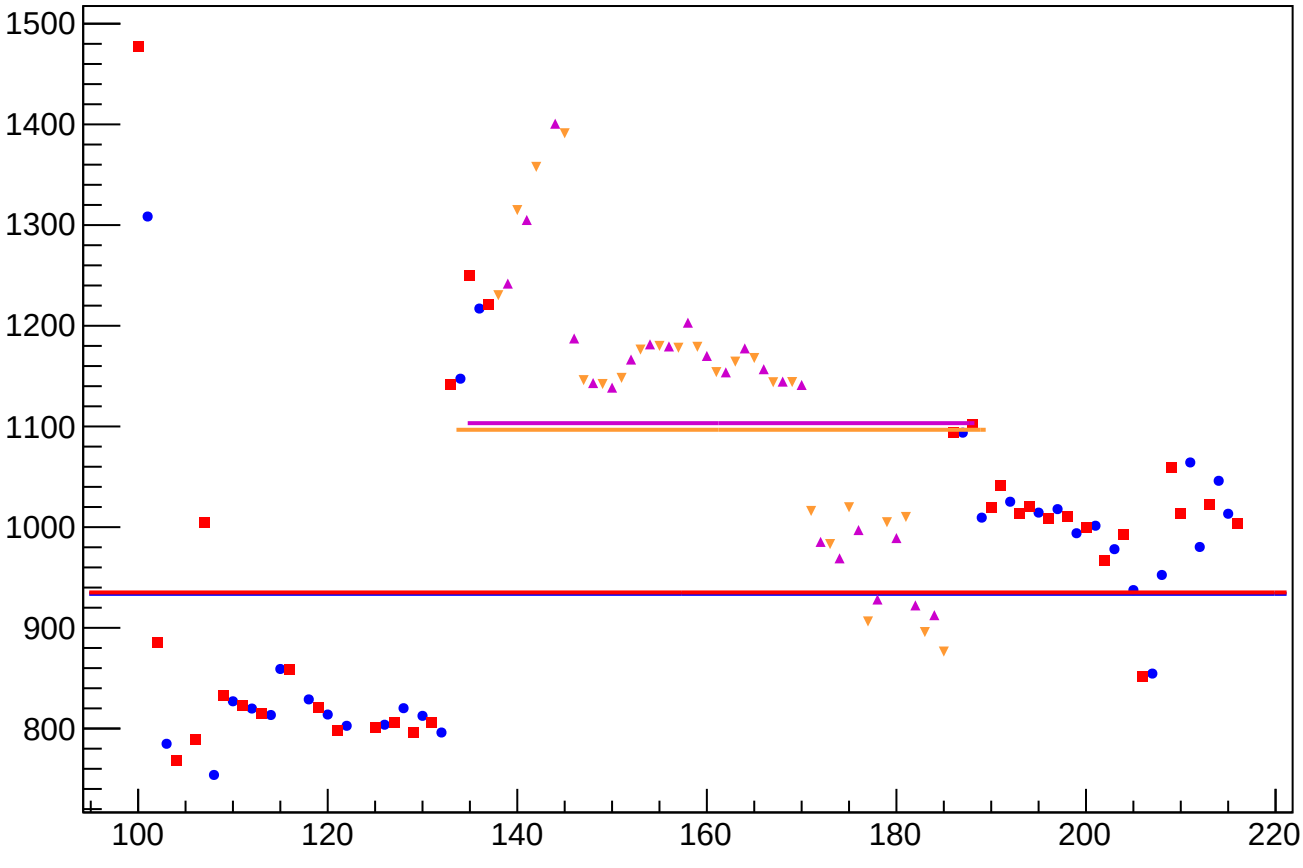
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -82.367+/-151.459 χ^2/NDF: 54.4/64

In: -176.993+/-165.325 χ^2/NDF:39.7/53

Out: 125.038+/-164.185 χ^2/NDF:80.0/57

All: -24.932+/-116.497 χ^2/NDF: 121.4/111



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: 935.152+/-0.151 χ^2/NDF: 604681.7/33

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

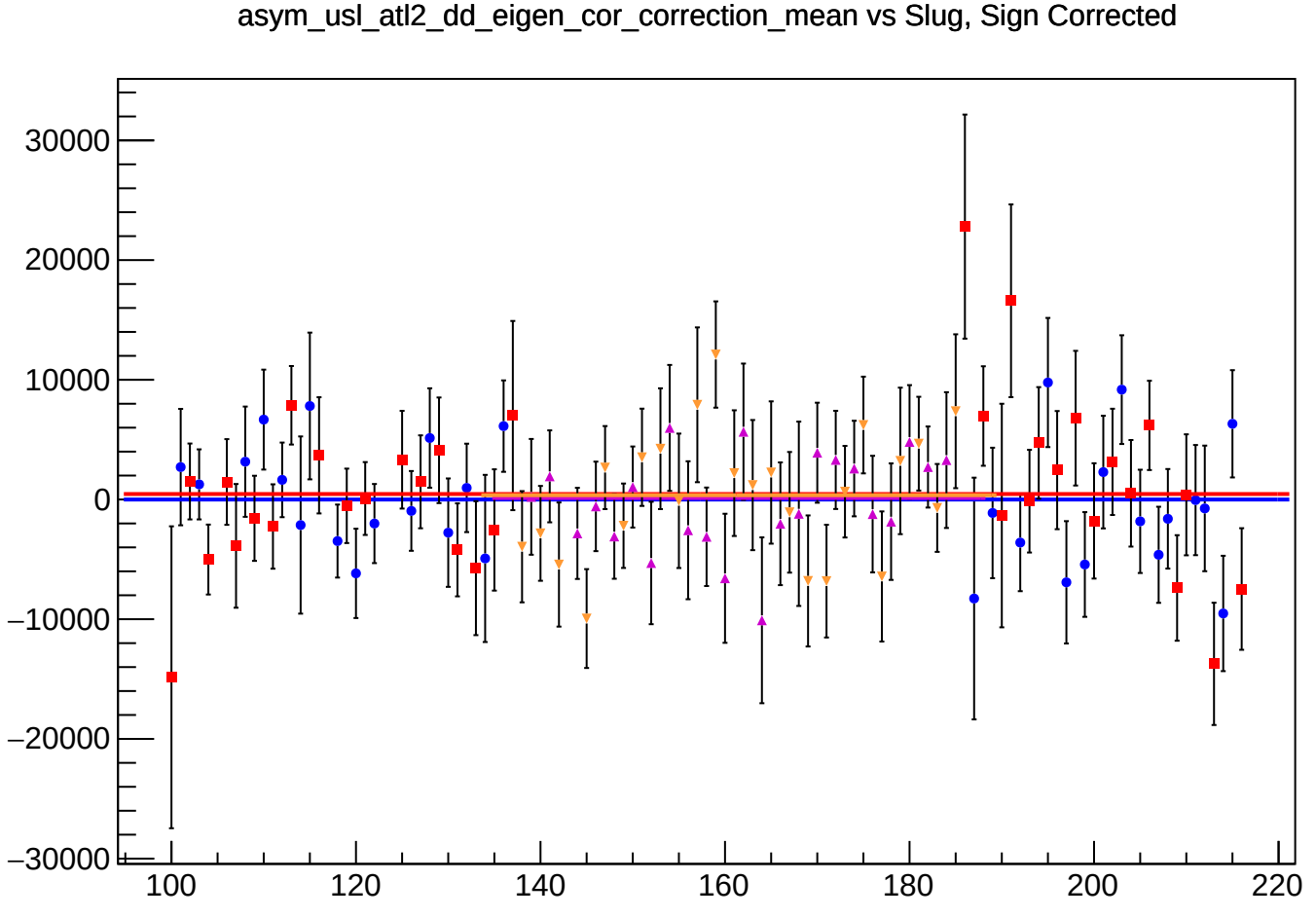
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 934.457+/-0.107 χ^2/NDF: 1249890.4/64

In: 1002.661+/-0.117 χ^2/NDF:1600043.3/53

Out: 1001.255+/-0.116 χ^2/NDF:1554606.2/57

All: 1001.952+/-0.082 χ^2/NDF: 3154722.4/11



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: 457.549+/-739.344 χ^2/NDF: 48.2/33

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

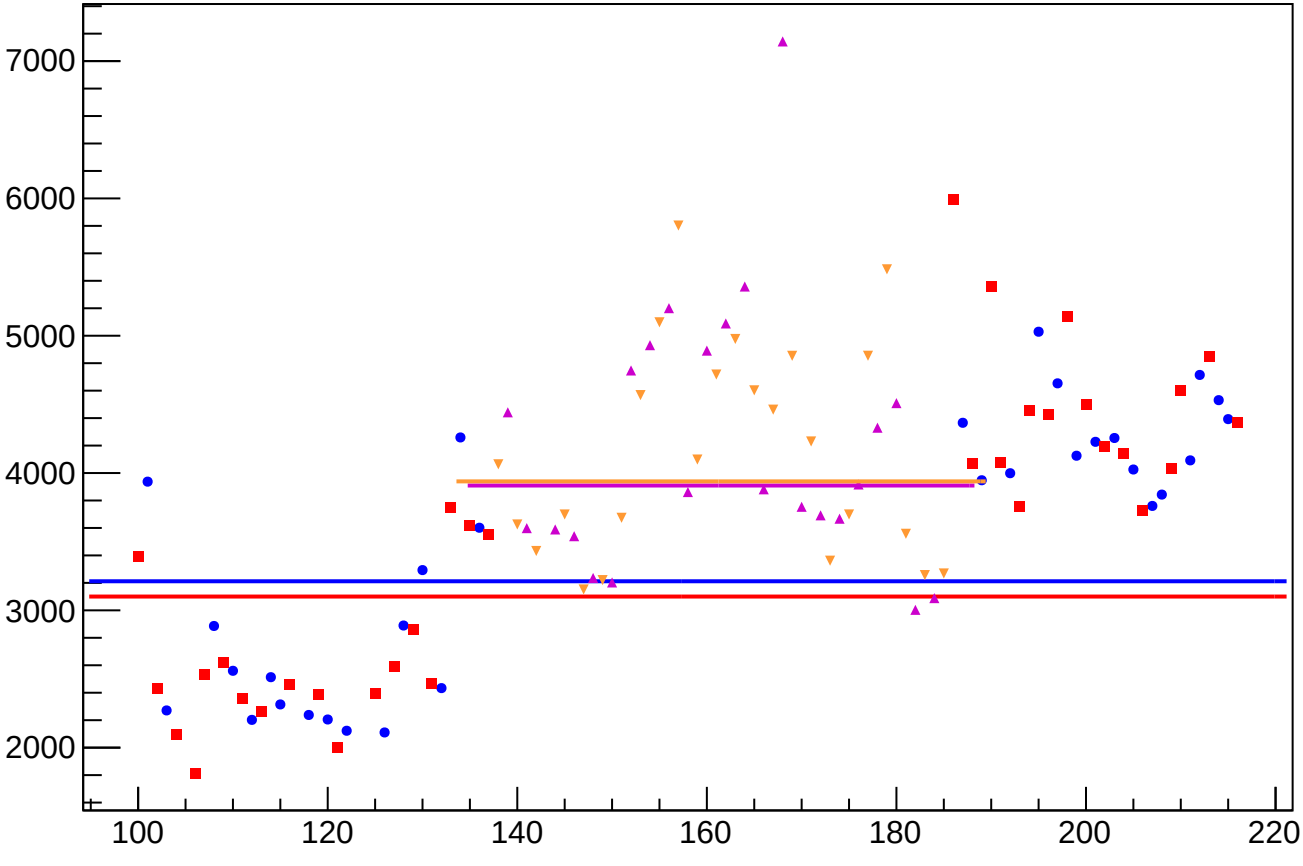
Right: 234.770+/-531.216 χ^2/NDF: 83.5/64

In: 49.060+/-590.903 χ^2/NDF:48.8/53

Out: 419.107+/-579.754 χ^2/NDF:78.5/57

All: 237.607+/-413.834 χ^2/NDF: 127.5/111

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: 3100.476+/-0.523 χ^2/NDF: 3627832.0/33

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

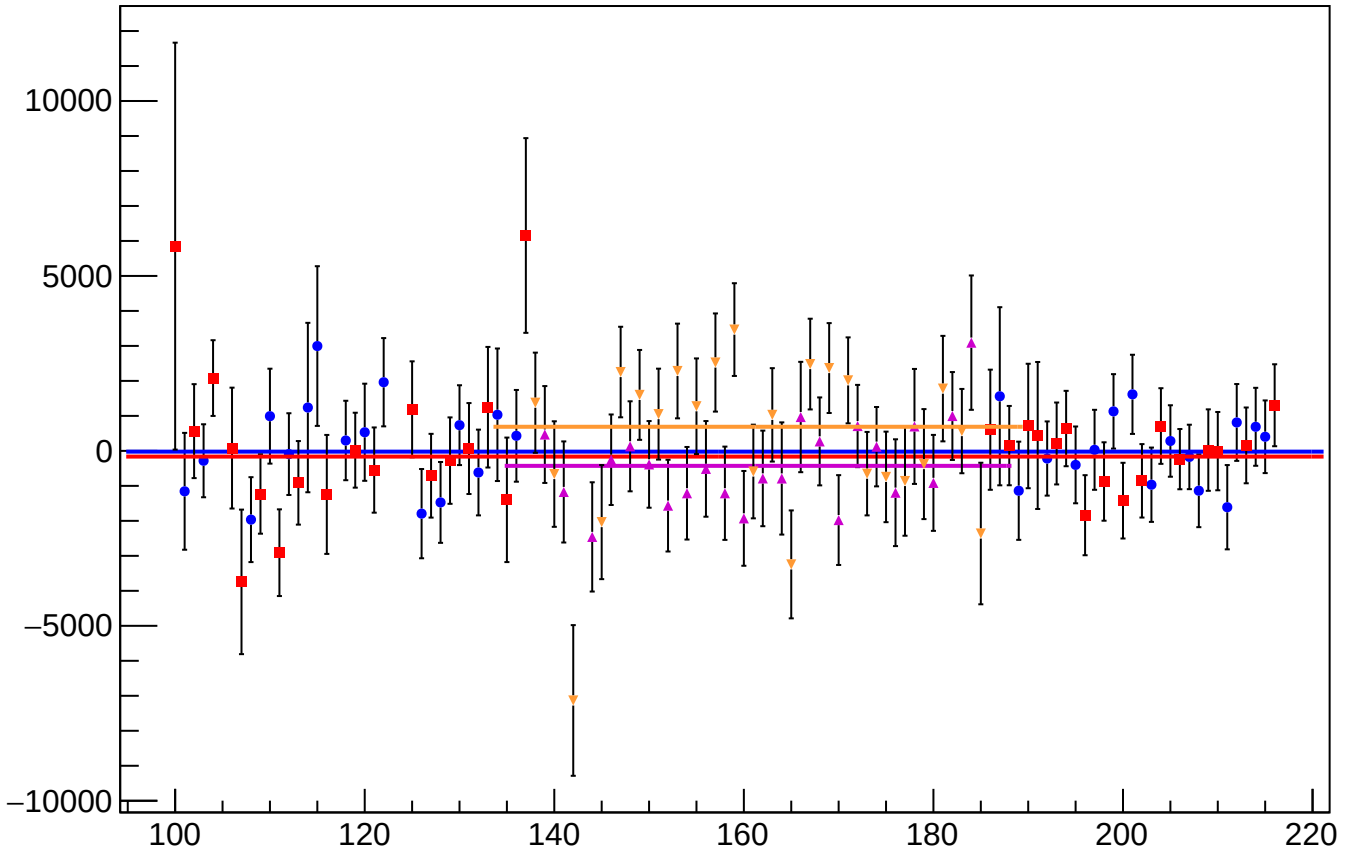
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3154.311+/-0.376 χ^2/NDF: 6673019.3/64

In: 3491.699+/-0.418 χ^2/NDF:4993382.7/53

Out: 3423.505+/-0.410 χ^2/NDF:5711850.0/57

All: 3456.953+/-0.293 χ^2/NDF: 10718804.8/1



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: -163.225+/-217.246 χ^2/NDF: 30.9/33

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

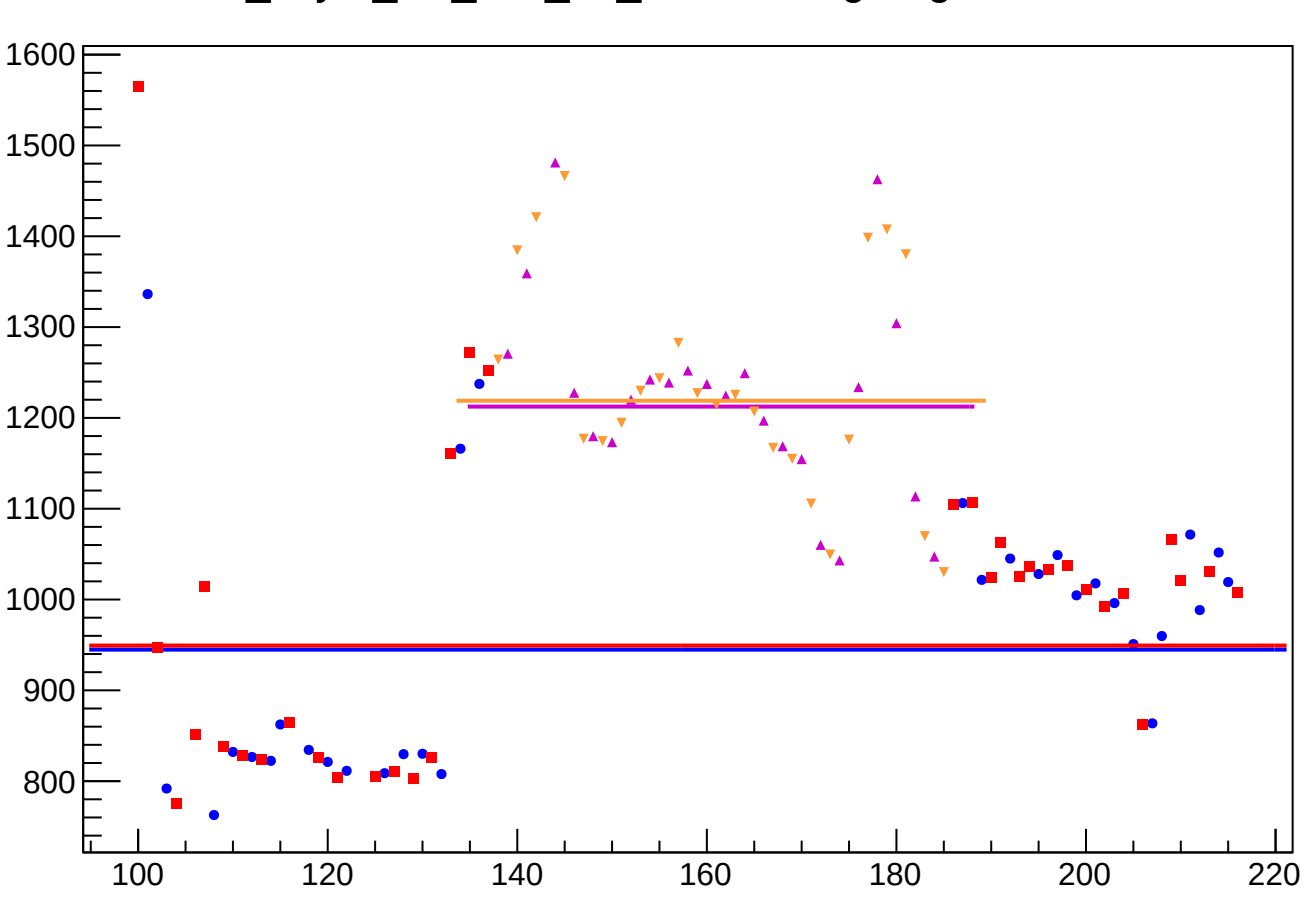
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -92.356+/-153.618 χ^2/NDF: 53.5/64

In: -171.315+/-172.639 χ^2/NDF:38.3/53

Out: 150.860+/-172.638 χ^2/NDF:82.3/57

All: -10.226+/-122.074 χ^2/NDF: 122.4/111



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: 949.326+/-0.154 χ^2/NDF: 606395.2/33

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

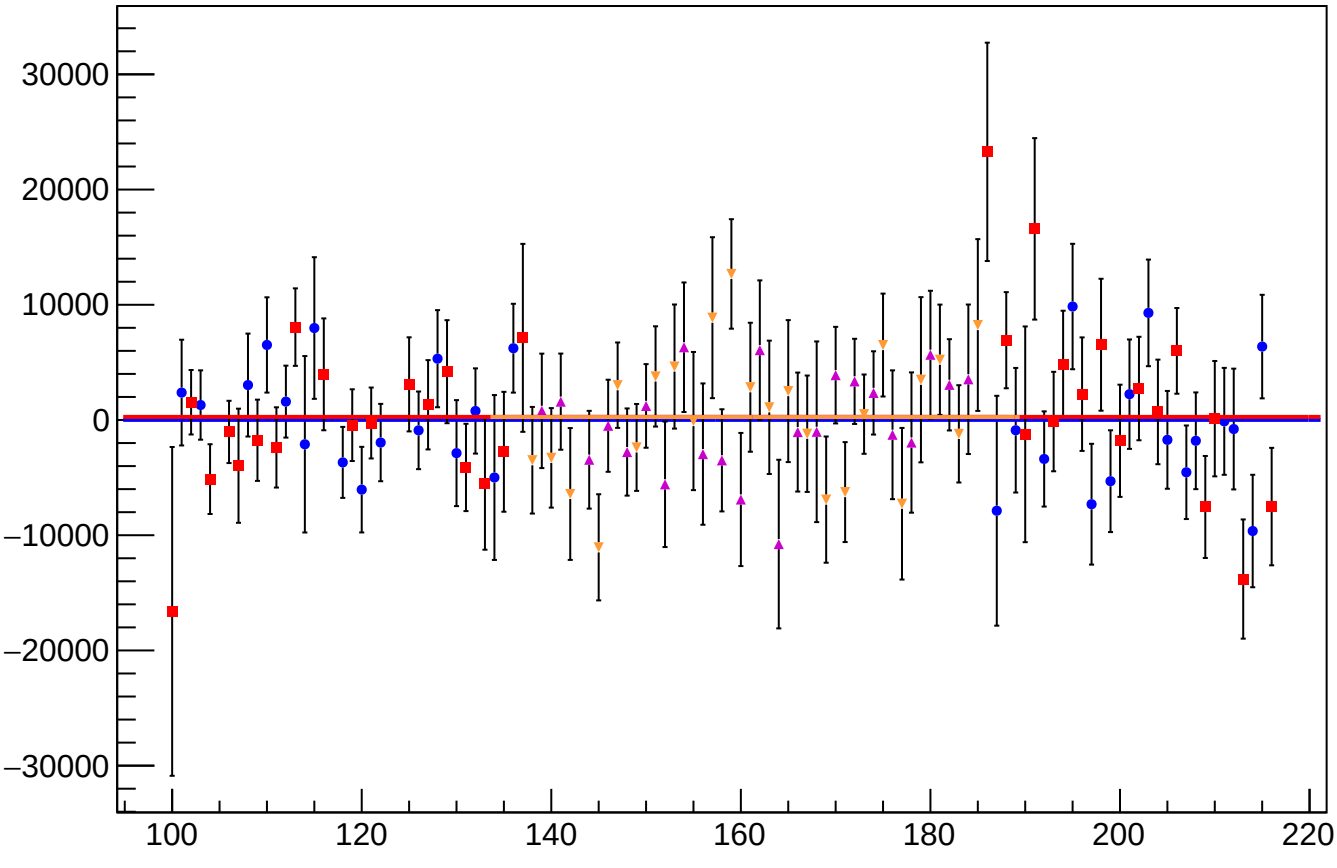
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 947.084+/-0.109 χ^2/NDF: 1267986.0/64

In: 1043.461+/-0.122 χ^2/NDF:2039822.9/53

Out: 1048.623+/-0.122 χ^2/NDF:2035694.9/57

All: 1046.042+/-0.086 χ^2/NDF: 4076412.1/11



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: 270.113+/-725.844 χ^2/NDF: 48.2/33

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

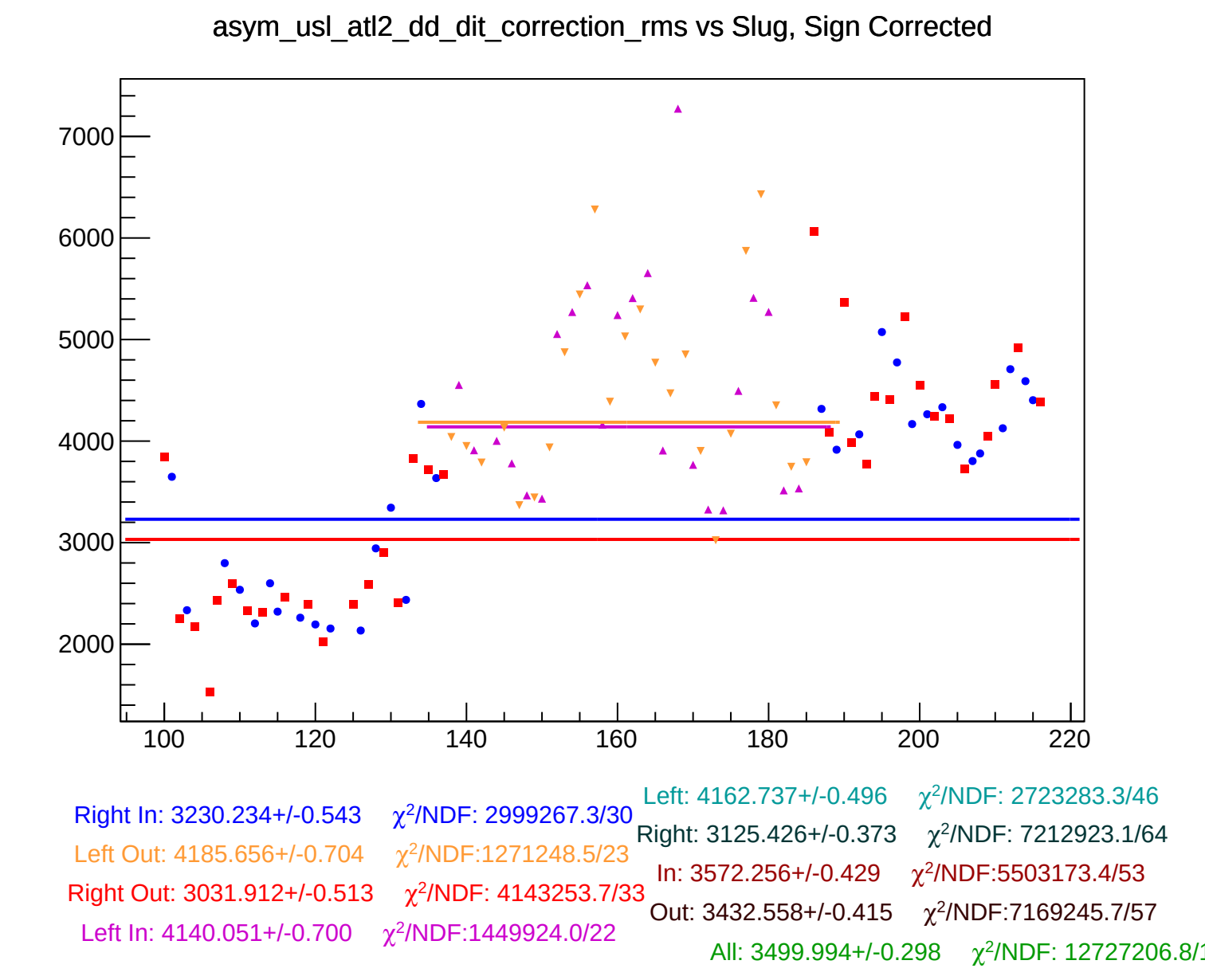
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

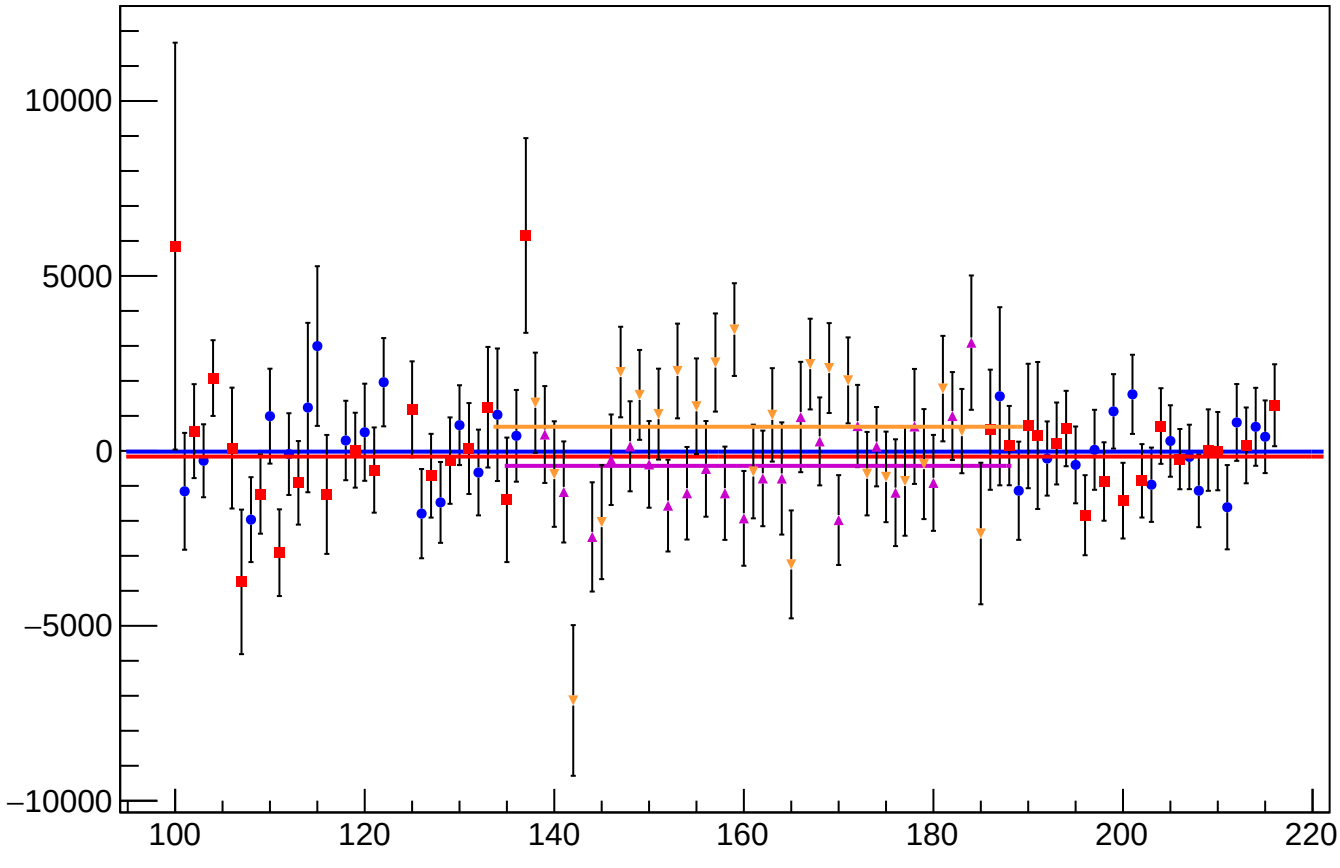
Right: 147.634+/-527.661 χ^2/NDF: 83.1/64

In: 106.552+/-607.046 χ^2/NDF:48.3/53

Out: 264.102+/-586.427 χ^2/NDF:77.9/57

All: 188.048+/-421.768 χ^2/NDF: 126.3/111


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: 3031.912+/-0.513 χ²/NDF: 4143253.7/33
Left In: 4140.051+/-0.700 χ²/NDF:1449924.0/22
Left: 4162.737+/-0.496 χ²/NDF: 2723283.3/46
Right: 3125.426+/-0.373 χ²/NDF: 7212923.1/64
In: 3572.256+/-0.429 χ²/NDF:5503173.4/53
Out: 3432.558+/-0.415 χ²/NDF:7169245.7/57
All: 3499.994+/-0.298 χ²/NDF: 12727206.8/



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: -163.225+/-217.246 χ^2/NDF: 30.9/33

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

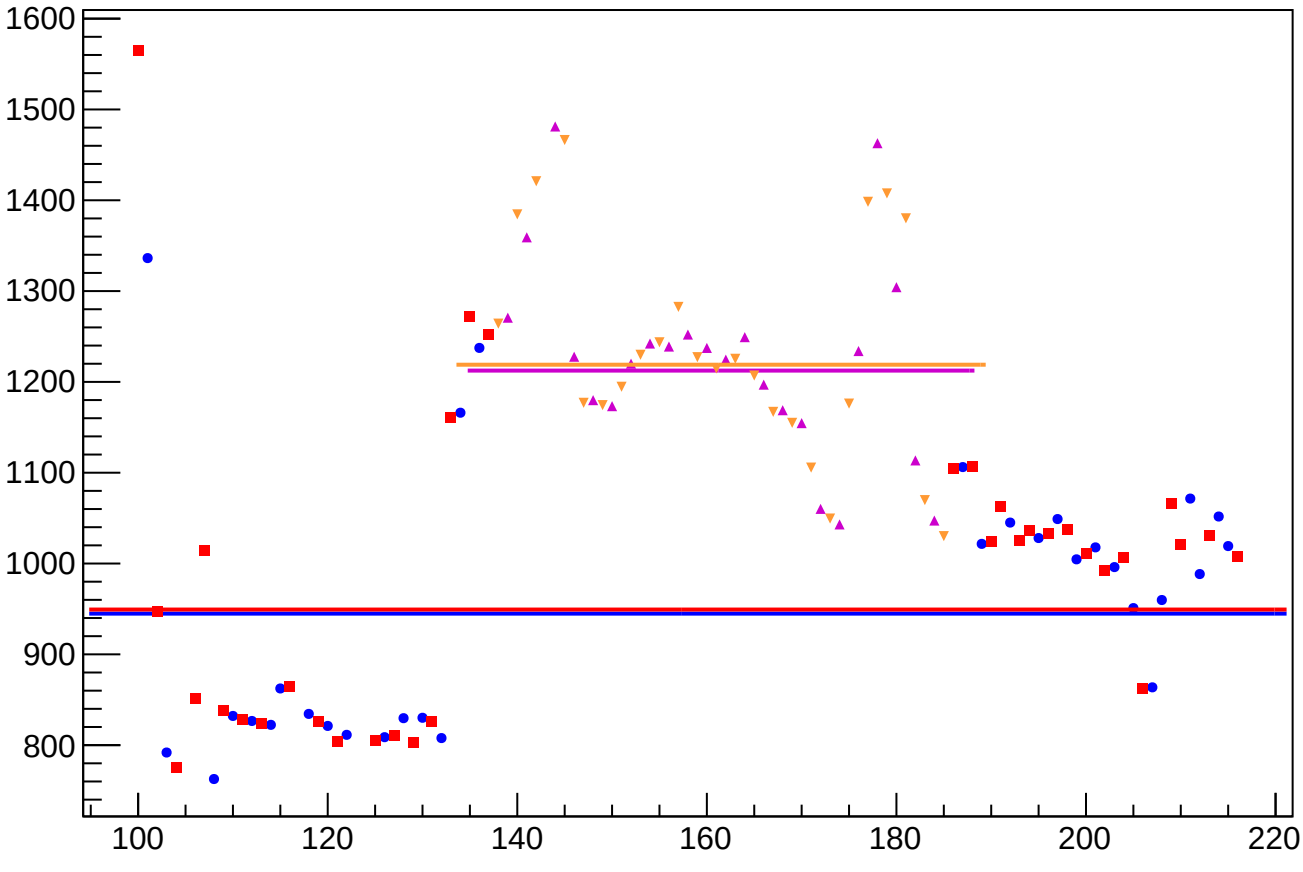
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -92.356+/-153.618 χ^2/NDF: 53.5/64

In: -171.315+/-172.639 χ^2/NDF:38.3/53

Out: 150.861+/-172.638 χ^2/NDF:82.3/57

All: -10.226+/-122.074 χ^2/NDF: 122.4/111



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: 949.326+/-0.154 χ^2/NDF: 606395.6/33

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

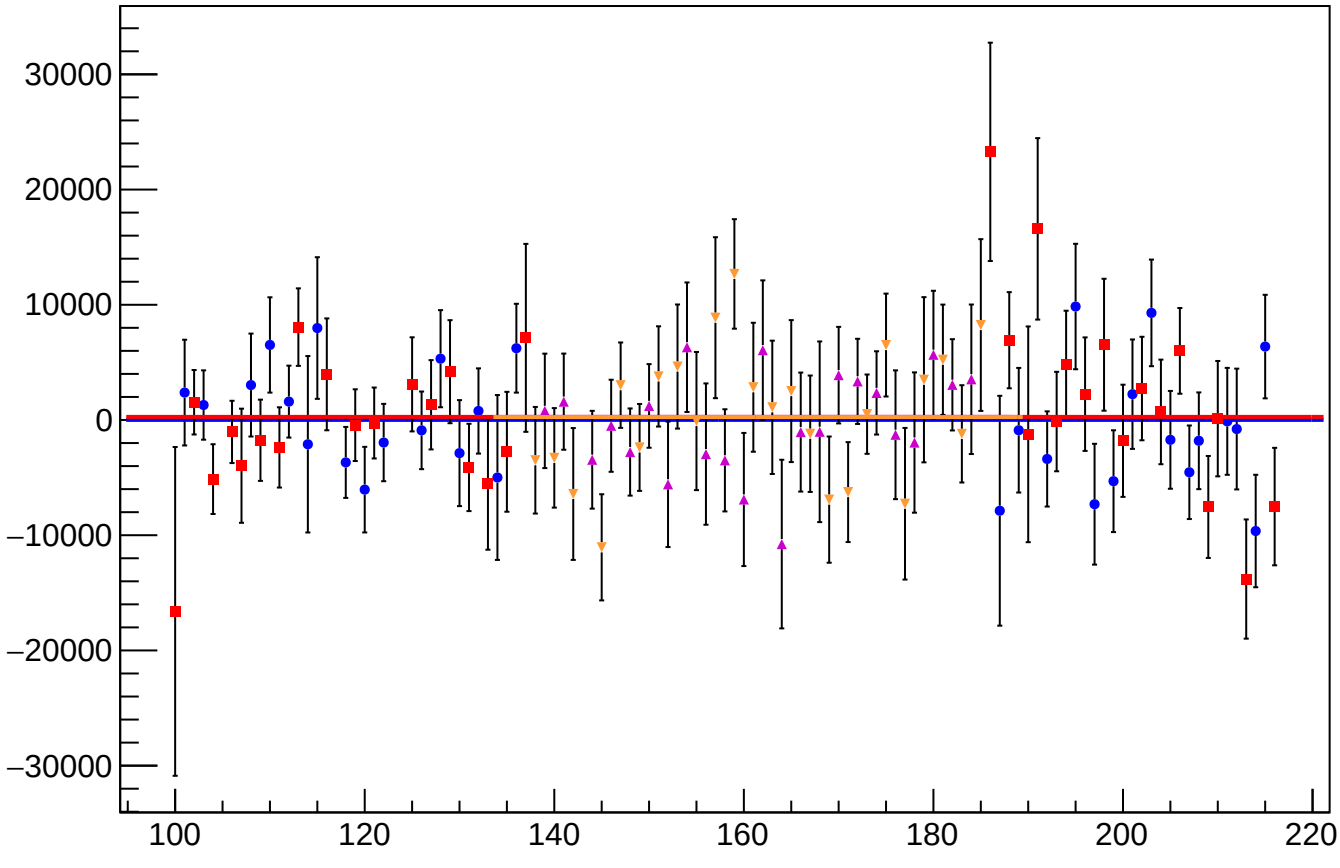
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 947.084+/-0.109 χ^2/NDF: 1267986.1/64

In: 1043.461+/-0.122 χ^2/NDF:2039839.0/53

Out: 1048.623+/-0.122 χ^2/NDF:2035713.2/57

All: 1046.043+/-0.086 χ^2/NDF: 4076446.5/11



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: 270.109+/-725.843 χ^2/NDF: 48.2/33

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

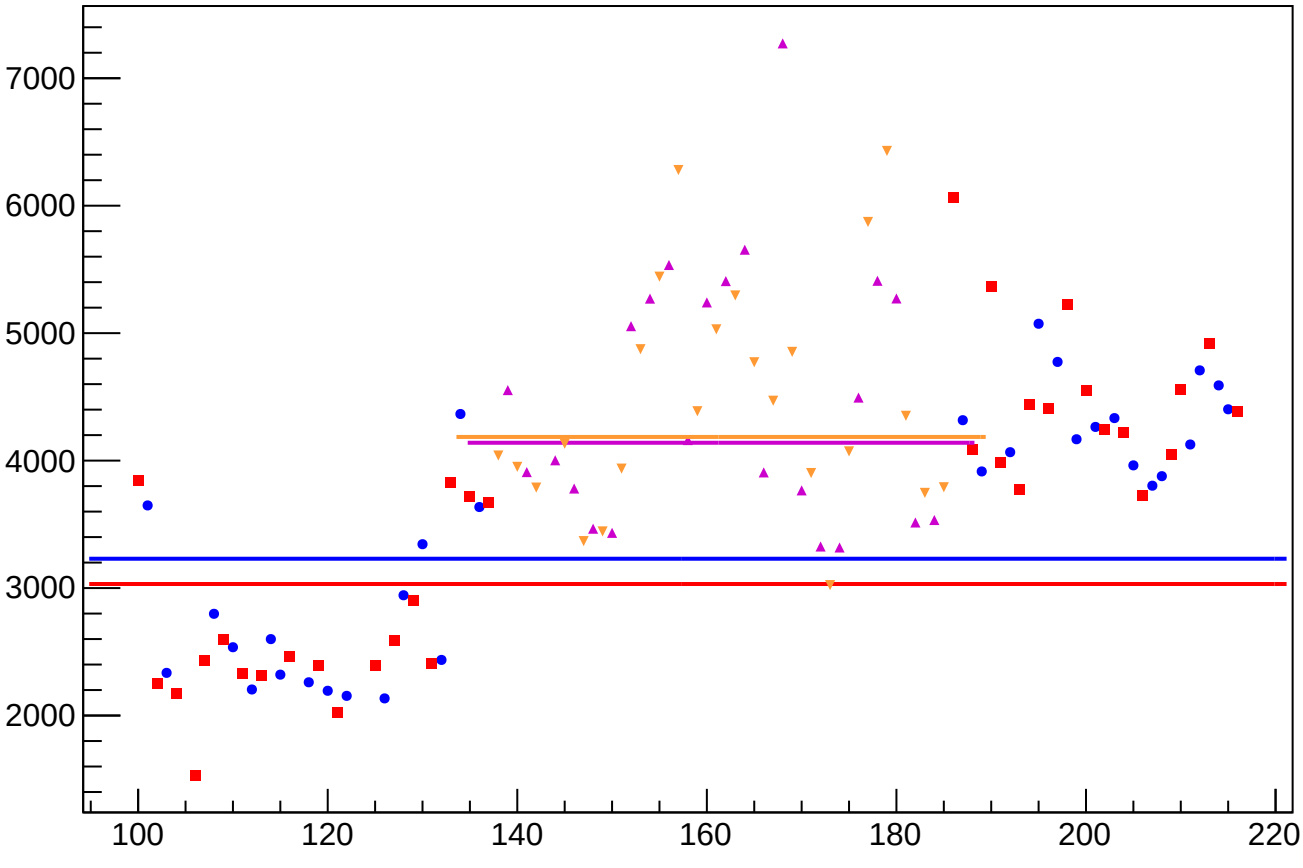
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

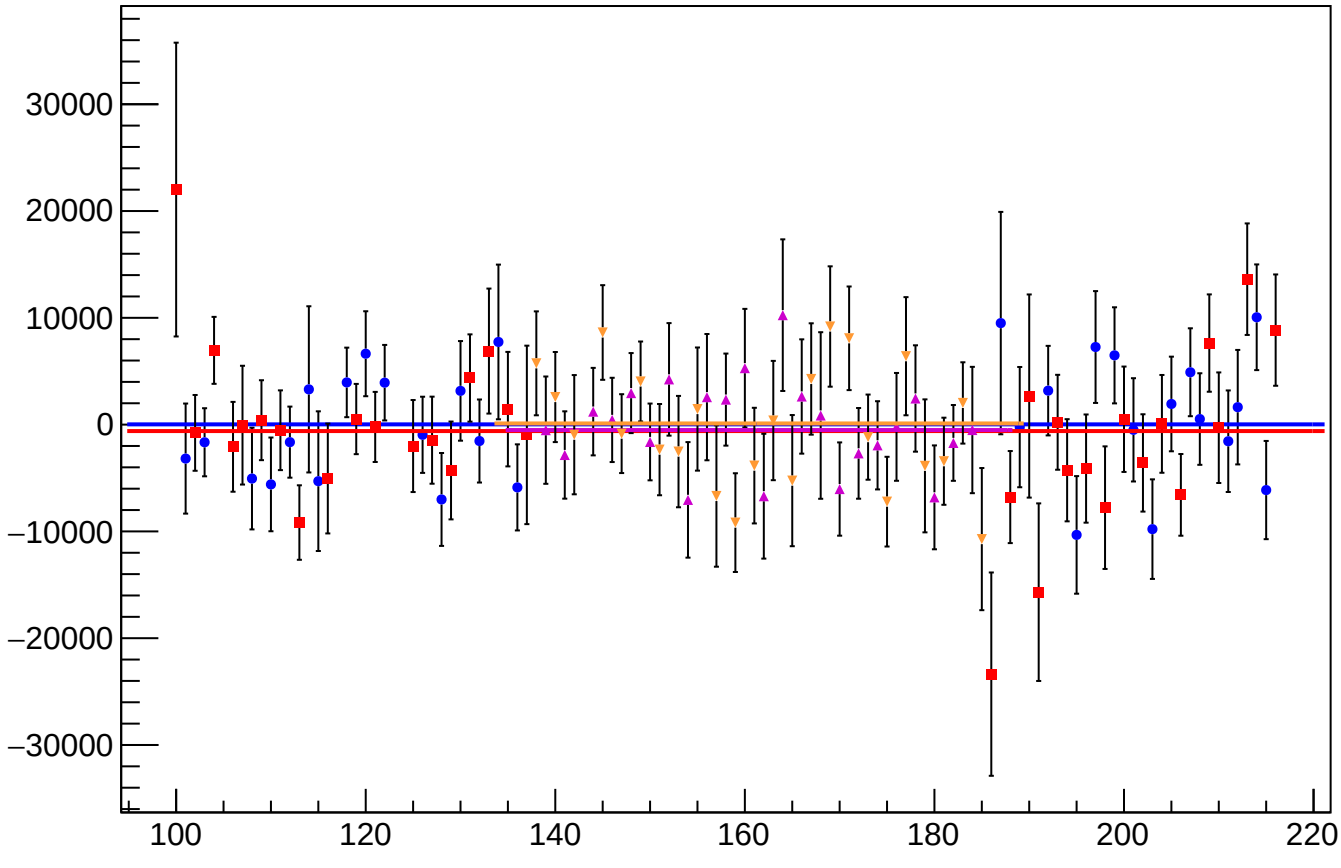
Right: 147.632+/-527.661 χ^2/NDF: 83.1/64

In: 106.551+/-607.046 χ^2/NDF:48.3/53

Out: 264.100+/-586.427 χ^2/NDF:77.9/57

All: 188.046+/-421.768 χ^2/NDF: 126.3/111


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: 3031.907+/-0.513 χ²/NDF: 4143298.3/33
Left In: 4140.059+/-0.700 χ²/NDF:1449925.1/22
Left: 4162.745+/-0.496 χ²/NDF: 2723283.4/46
Right: 3125.420+/-0.373 χ²/NDF: 7213024.6/64
In: 3572.254+/-0.429 χ²/NDF:5503258.1/53
Out: 3432.556+/-0.415 χ²/NDF:7169328.5/57
All: 3499.992+/-0.298 χ²/NDF: 12727375.1/



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: -604.067+/-780.422 χ^2/NDF: 50.5/33

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

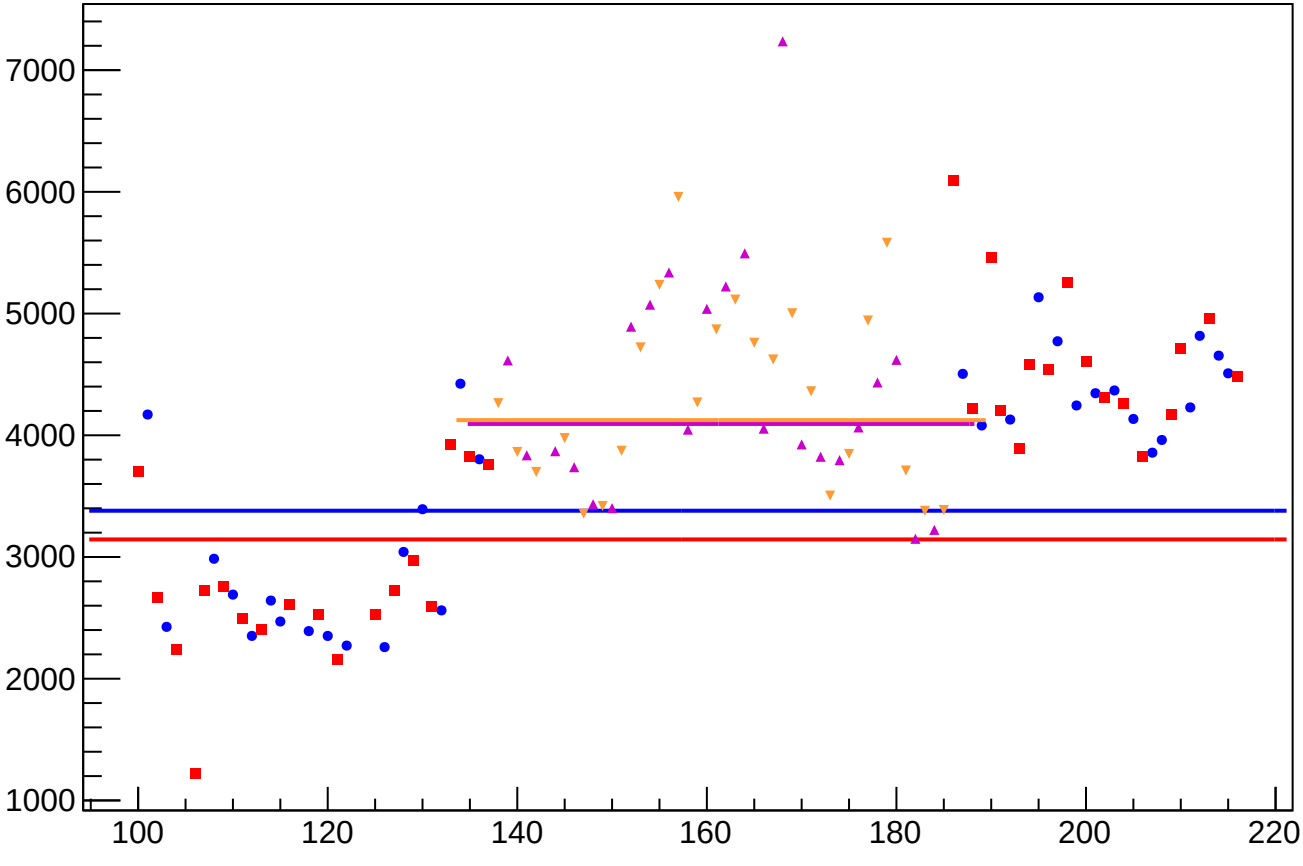
Right: -298.257+/-558.784 χ^2/NDF: 88.4/64

In: -191.159+/-618.449 χ^2/NDF:51.3/53

Out: -325.835+/-609.424 χ^2/NDF:78.8/57

All: -259.487+/-434.084 χ^2/NDF: 130.1/111

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: 3144.363+/-0.536 χ^2/NDF: 4276747.6/33

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

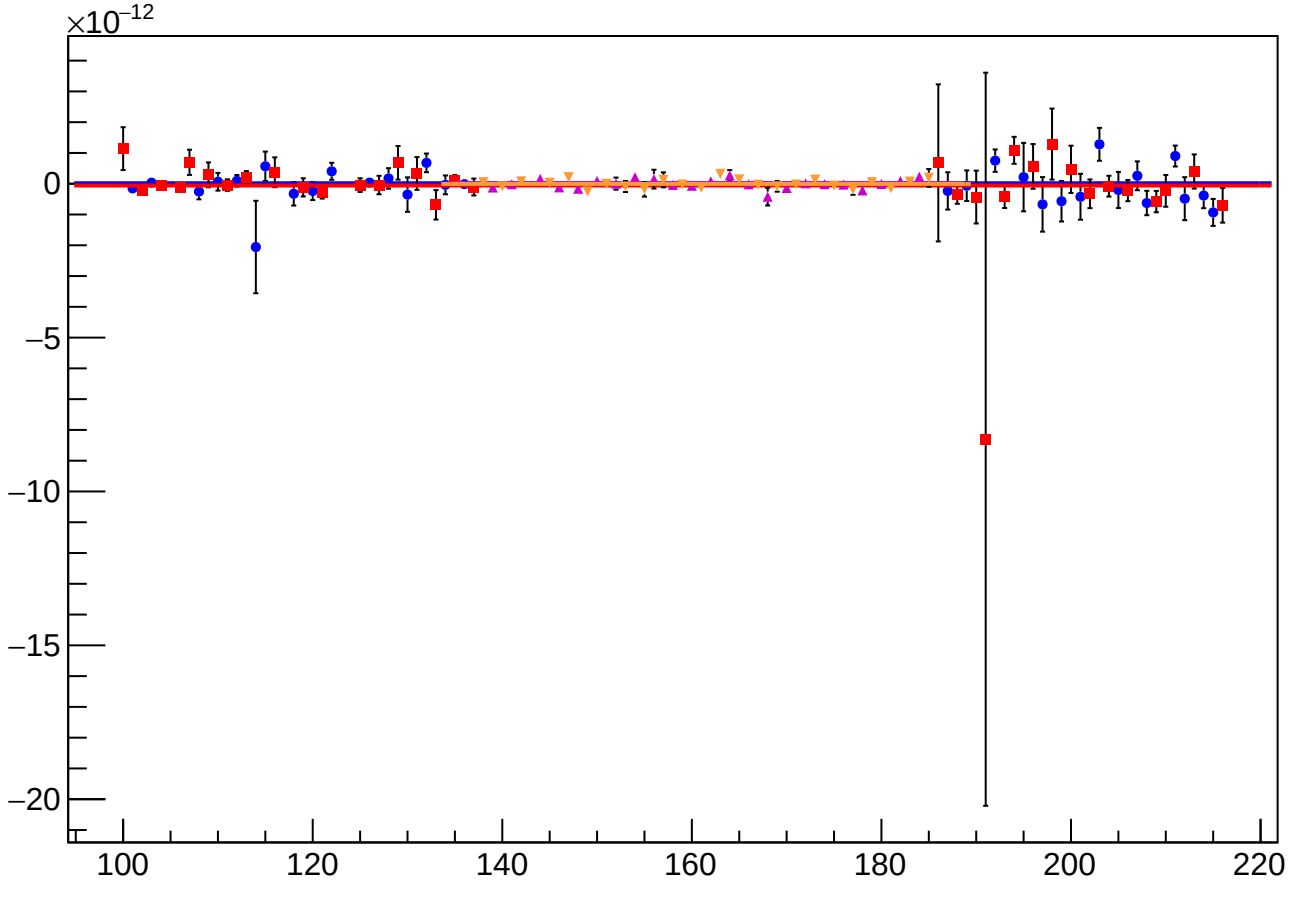
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3255.808+/-0.389 χ^2/NDF: 7069631.4/64

In: 3667.514+/-0.437 χ^2/NDF:4503452.3/53

Out: 3513.061+/-0.423 χ^2/NDF:6505922.0/57

All: 3587.739+/-0.304 χ^2/NDF: 11073804.4/1



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: 34.1/33

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

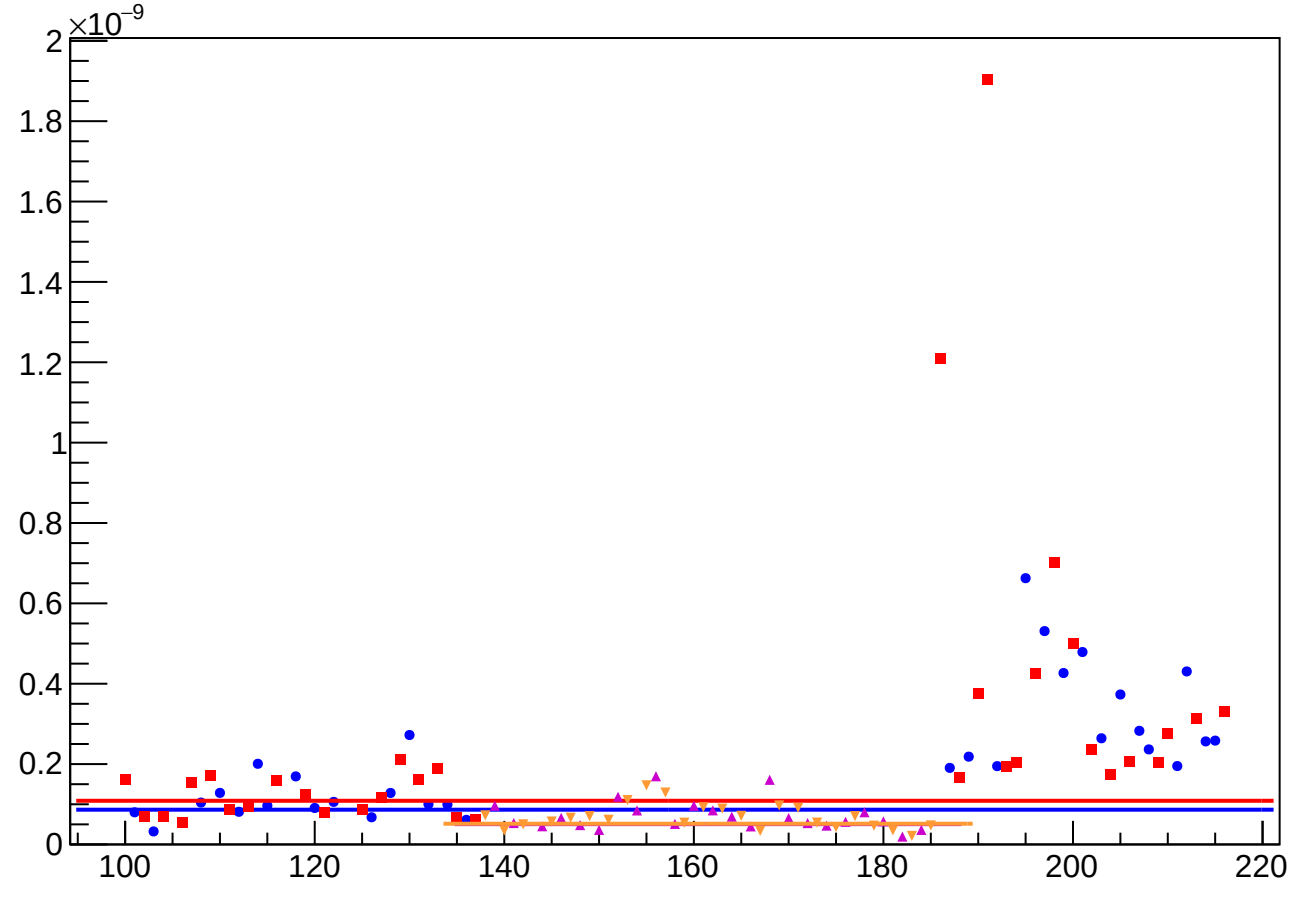
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 78.3/64

In: 0.000+/-0.000 χ^2/NDF:68.7/53

Out: -0.000+/-0.000 χ^2/NDF:59.2/57

All: 0.000+/-0.000 χ^2/NDF: 129.1/111



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: 4787819.5/33

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

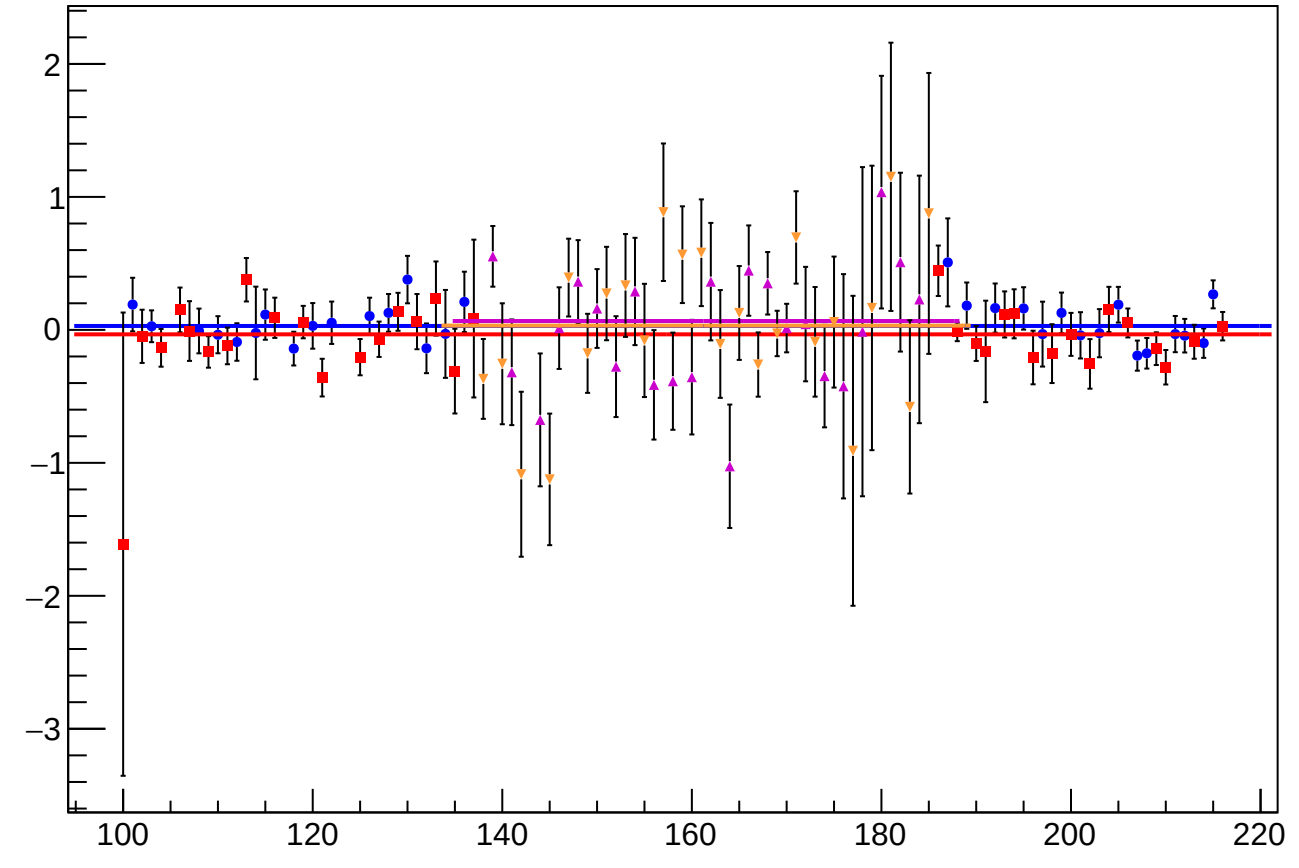
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 11902487.6/64

In: 0.000+/-0.000 χ^2/NDF:10470694.8/53

Out: 0.000+/-0.000 χ^2/NDF:9335045.6/57

All: 0.000+/-0.000 χ^2/NDF: 19830224.4/111



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: -0.034+/-0.026 χ^2/NDF: 39.7/33

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

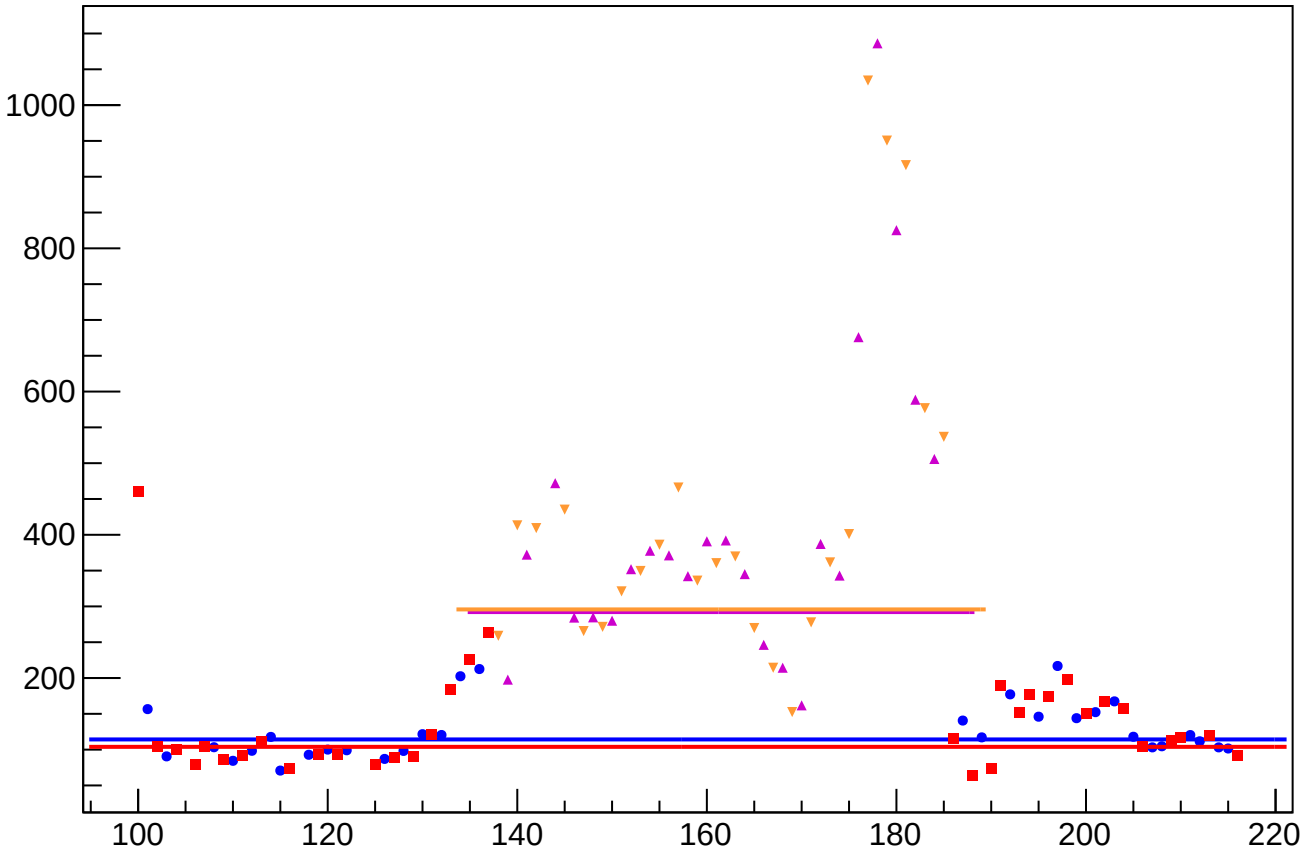
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.004+/-0.019 χ^2/NDF: 72.6/64

In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.027+/-0.024 χ^2/NDF:70.0/57

All: 0.002+/-0.018 χ^2/NDF: 129.0/111



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: 103.892+/-0.018 χ^2/NDF: 3656995.4/33

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

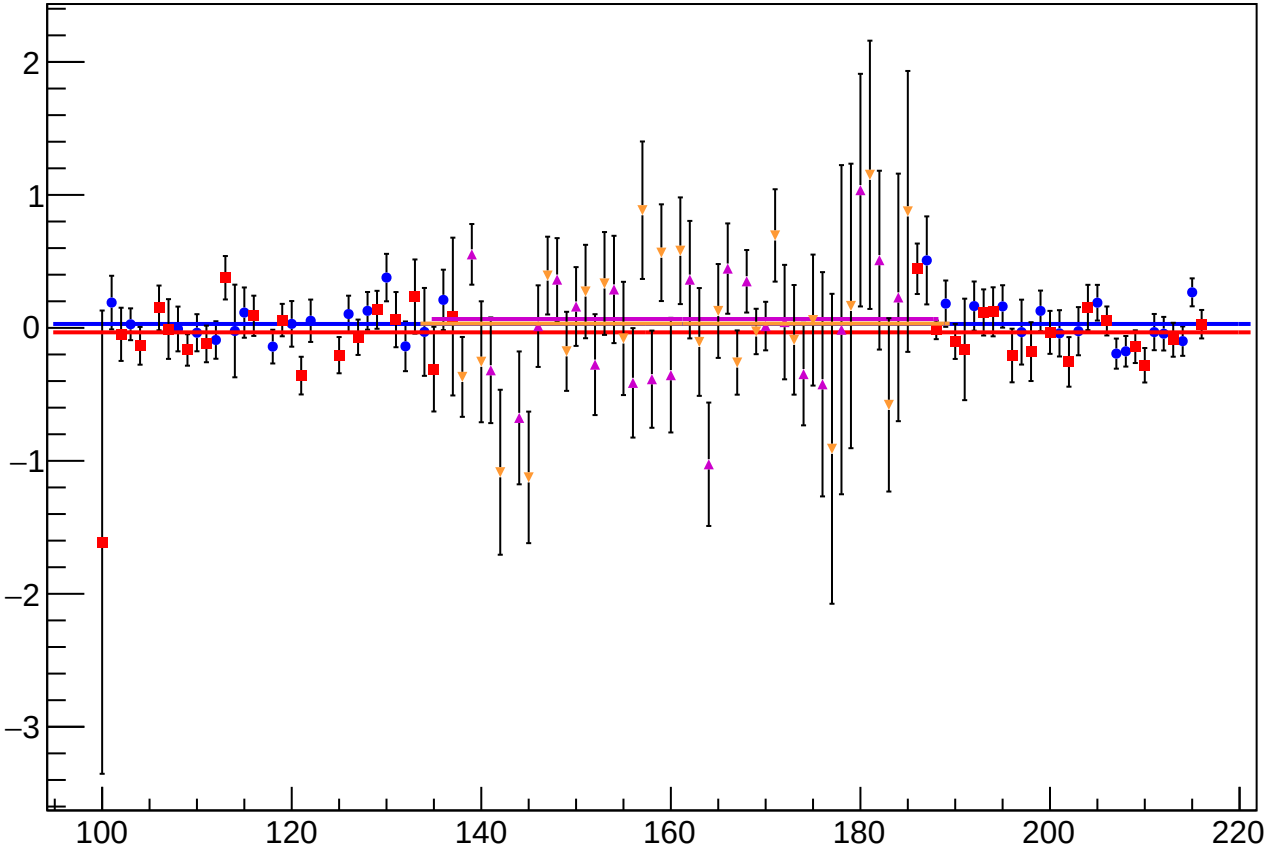
Right: 108.704+/-0.013 χ^2/NDF: 6030871.5/64

In: 135.421+/-0.018 χ^2/NDF:17259334.5/53

Out: 123.426+/-0.017 χ^2/NDF:20610616.8/57

All: 129.057+/-0.012 χ^2/NDF: 38099677.7/11

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: -0.034+/-0.026 χ^2/NDF: 39.7/33

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

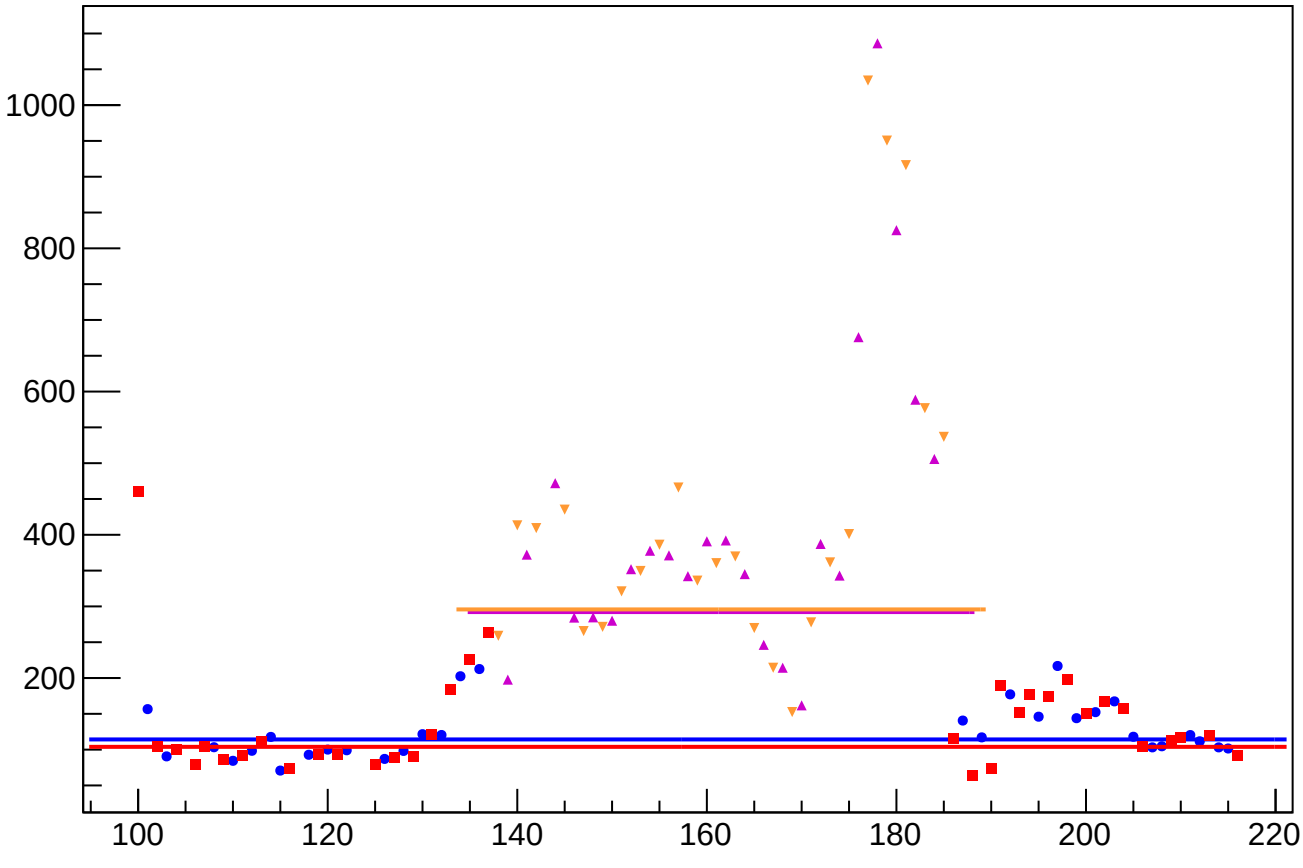
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.004+/-0.019 χ^2/NDF: 72.6/64

In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.027+/-0.024 χ^2/NDF:70.0/57

All: 0.002+/-0.018 χ^2/NDF: 129.0/111



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: 103.892+/-0.018 χ^2/NDF: 3656995.4/33

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

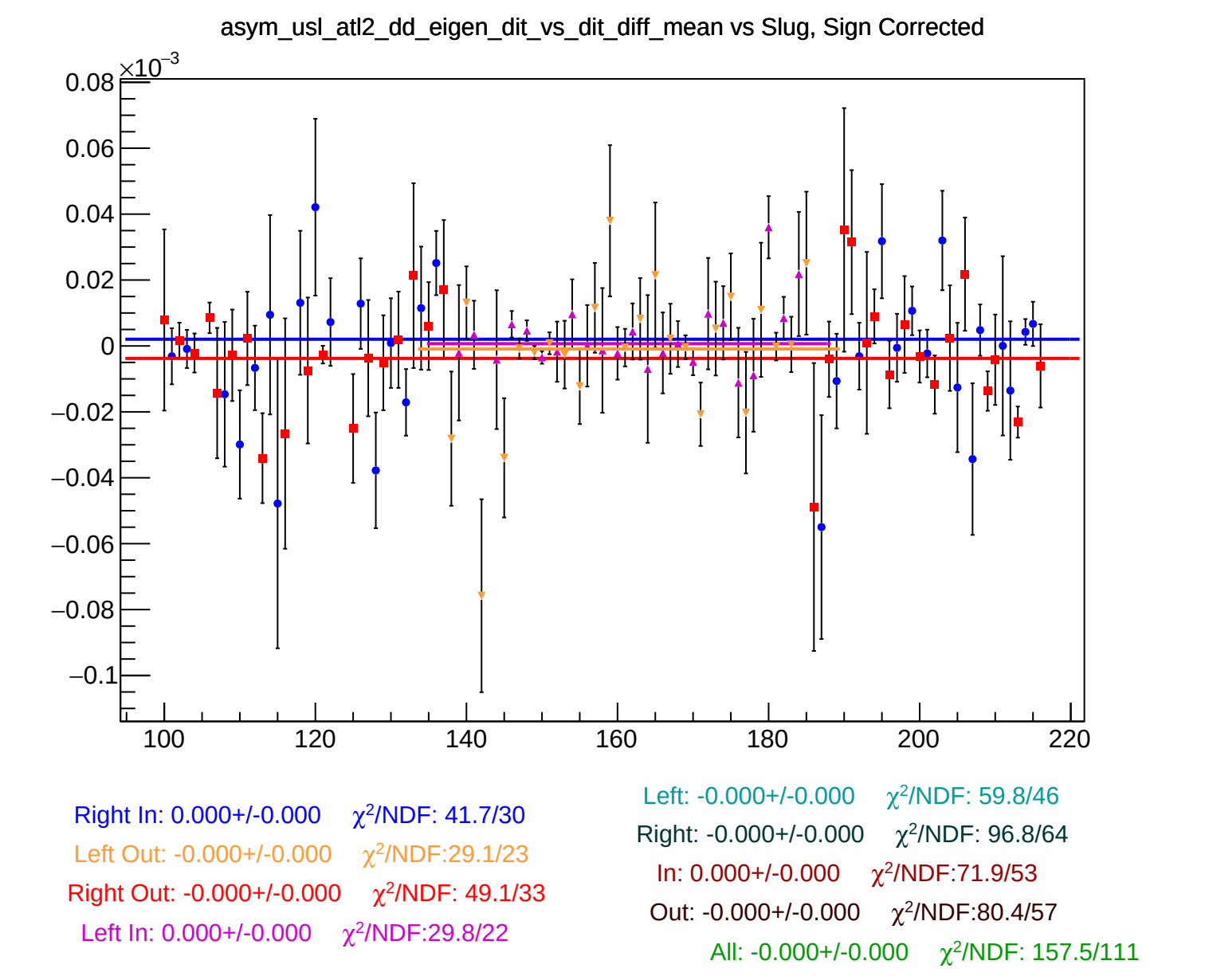
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

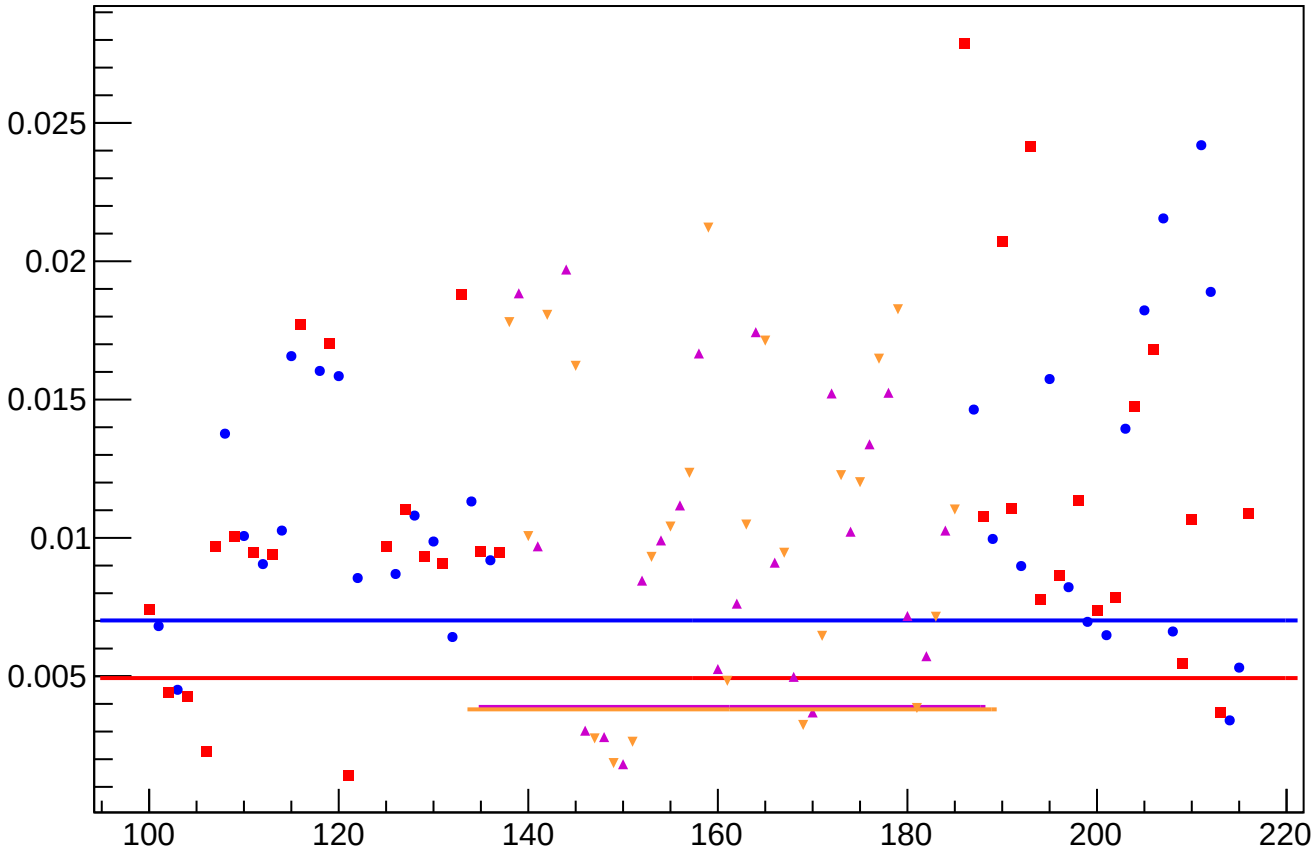
Right: 108.704+/-0.013 χ^2/NDF: 6030871.5/64

In: 135.421+/-0.018 χ^2/NDF:17259334.5/53

Out: 123.426+/-0.017 χ^2/NDF:20610616.8/57

All: 129.057+/-0.012 χ^2/NDF: 38099677.7/11


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 41.7/30
Left Out: -0.000+/-0.000 χ²/NDF:29.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 49.1/33
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: -0.000+/-0.000 χ²/NDF: 59.8/46
Right: -0.000+/-0.000 χ²/NDF: 96.8/64
In: 0.000+/-0.000 χ²/NDF:71.9/53
Out: -0.000+/-0.000 χ²/NDF:80.4/57
All: -0.000+/-0.000 χ²/NDF: 157.5/111



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: 13929280.8/33

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

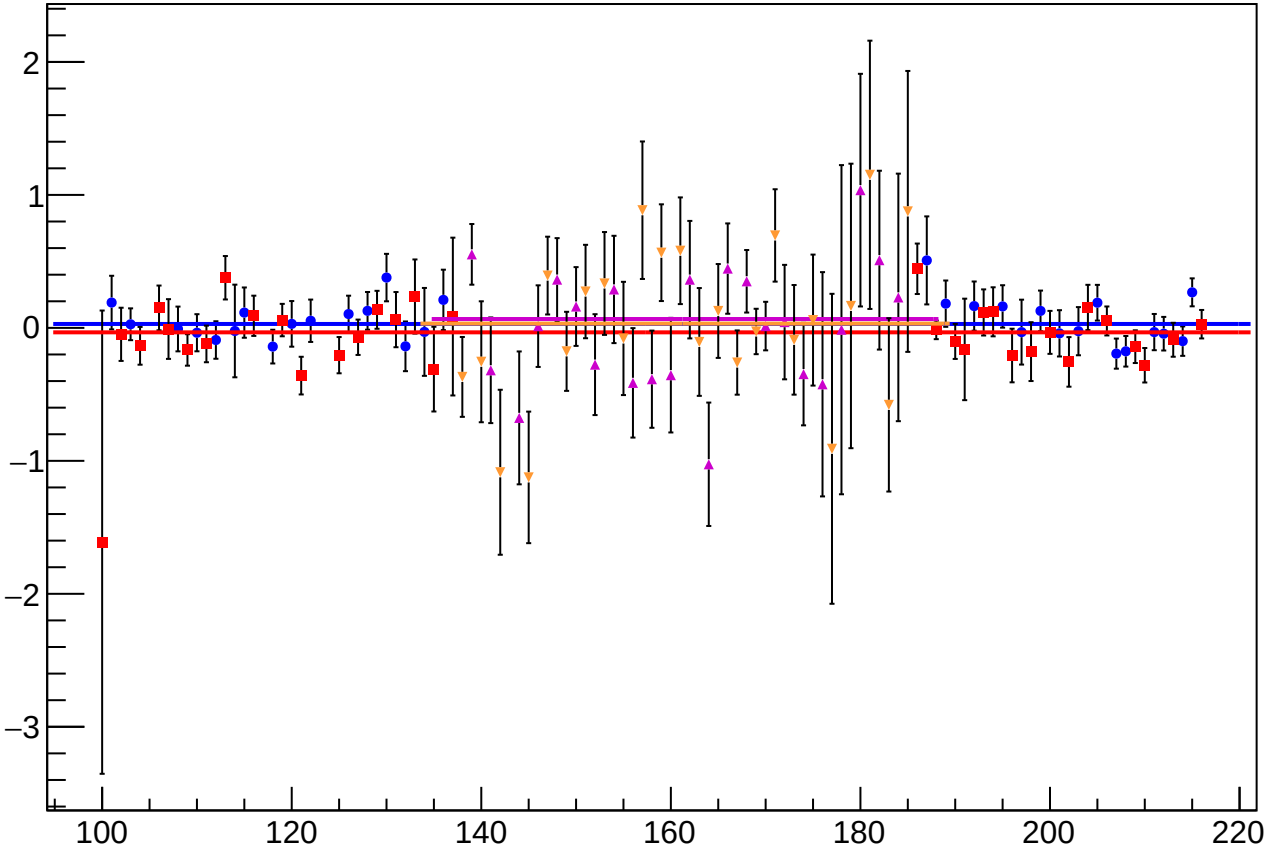
Right: 0.006+/-0.000 χ^2/NDF: 23223668.0/64

In: 0.005+/-0.000 χ^2/NDF:25178743.1/53

Out: 0.004+/-0.000 χ^2/NDF:29262206.6/57

All: 0.005+/-0.000 χ^2/NDF: 54805443.1/111

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: -0.034+/-0.026 χ^2/NDF: 39.7/33

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

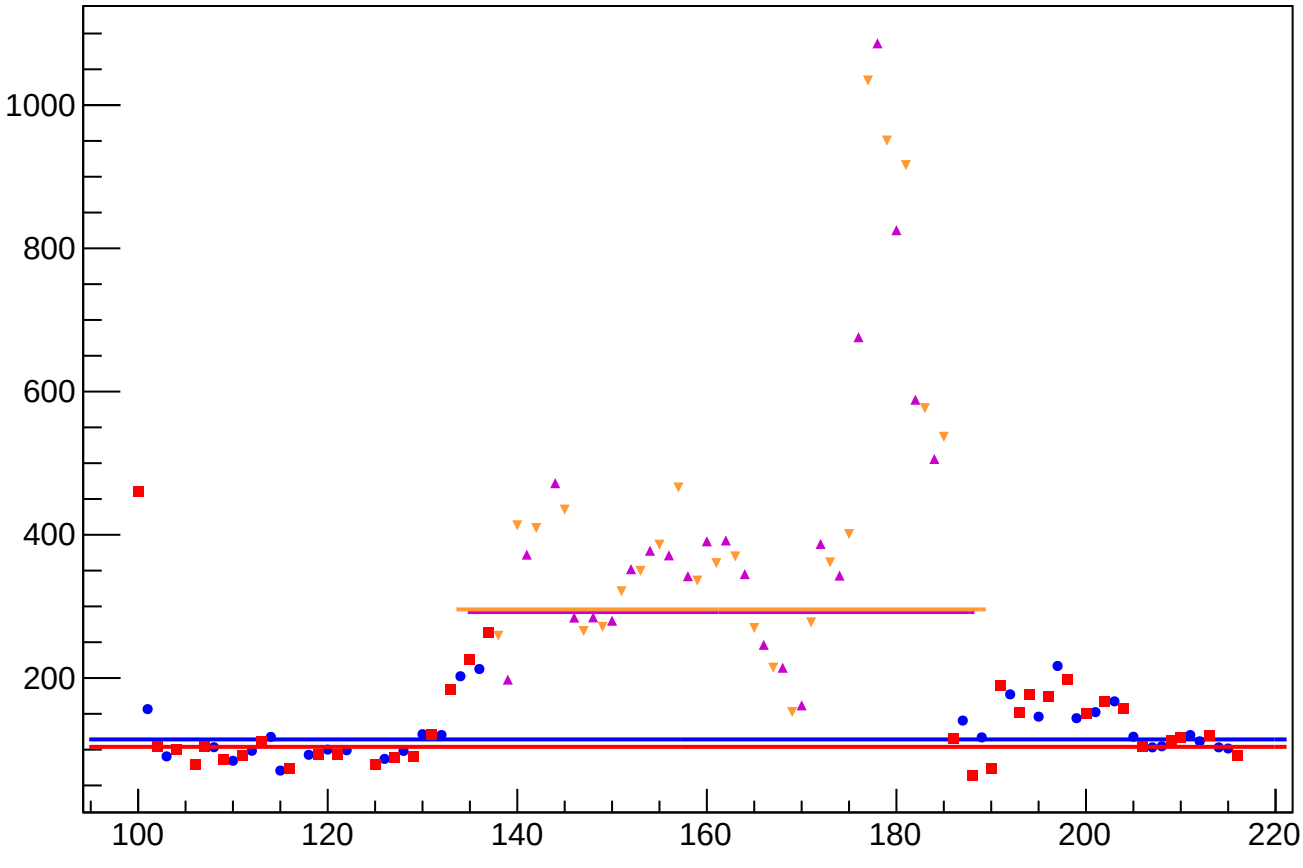
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.004+/-0.019 χ^2/NDF: 72.6/64

In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.027+/-0.024 χ^2/NDF:70.1/57

All: 0.002+/-0.018 χ^2/NDF: 129.0/111



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: 103.891+/-0.018 χ^2/NDF: 3657176.6/33

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

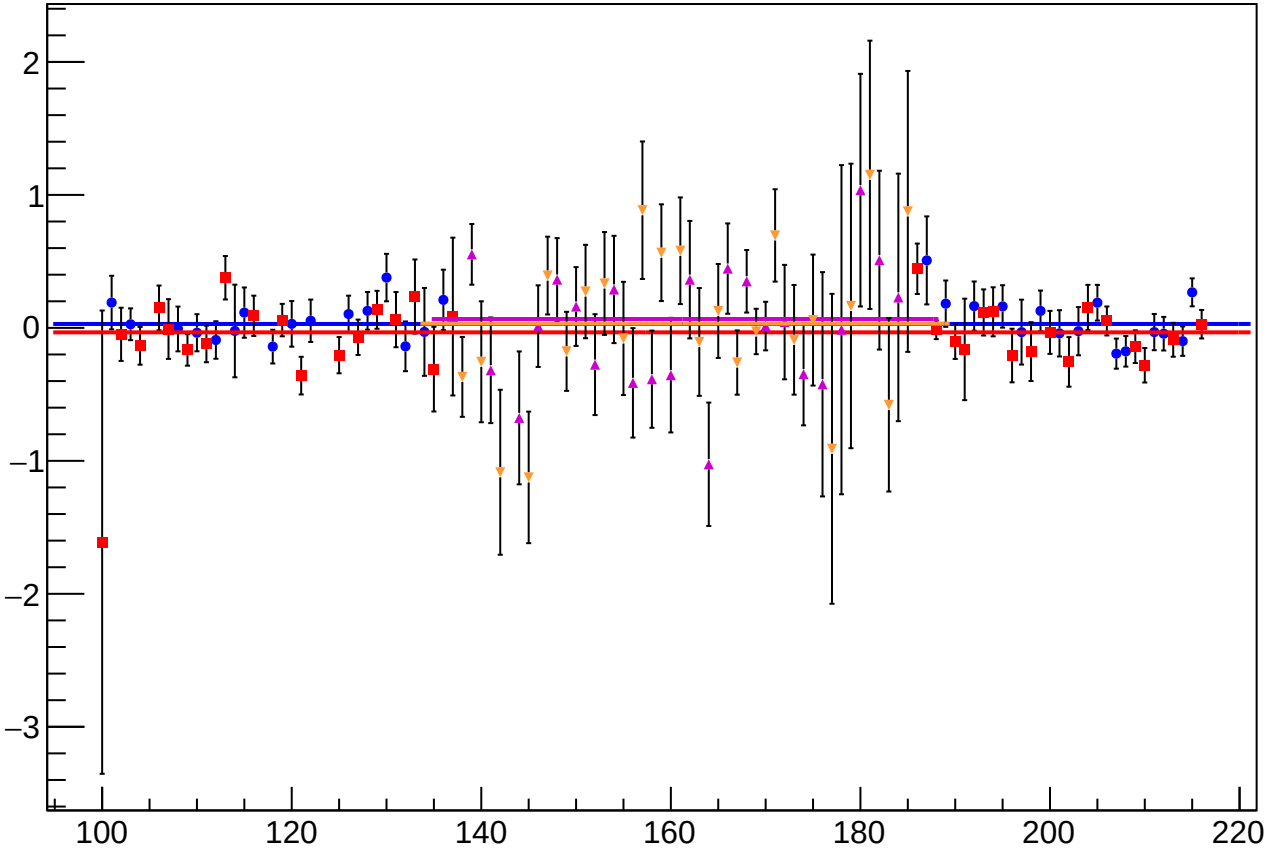
Right: 108.703+/-0.013 χ^2/NDF: 6031075.9/64

In: 135.421+/-0.018 χ^2/NDF:17259413.5/53

Out: 123.424+/-0.017 χ^2/NDF:20611108.8/57

All: 129.056+/-0.012 χ^2/NDF: 38100321.9/11

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: -0.034+/-0.026 χ^2/NDF: 39.7/33

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

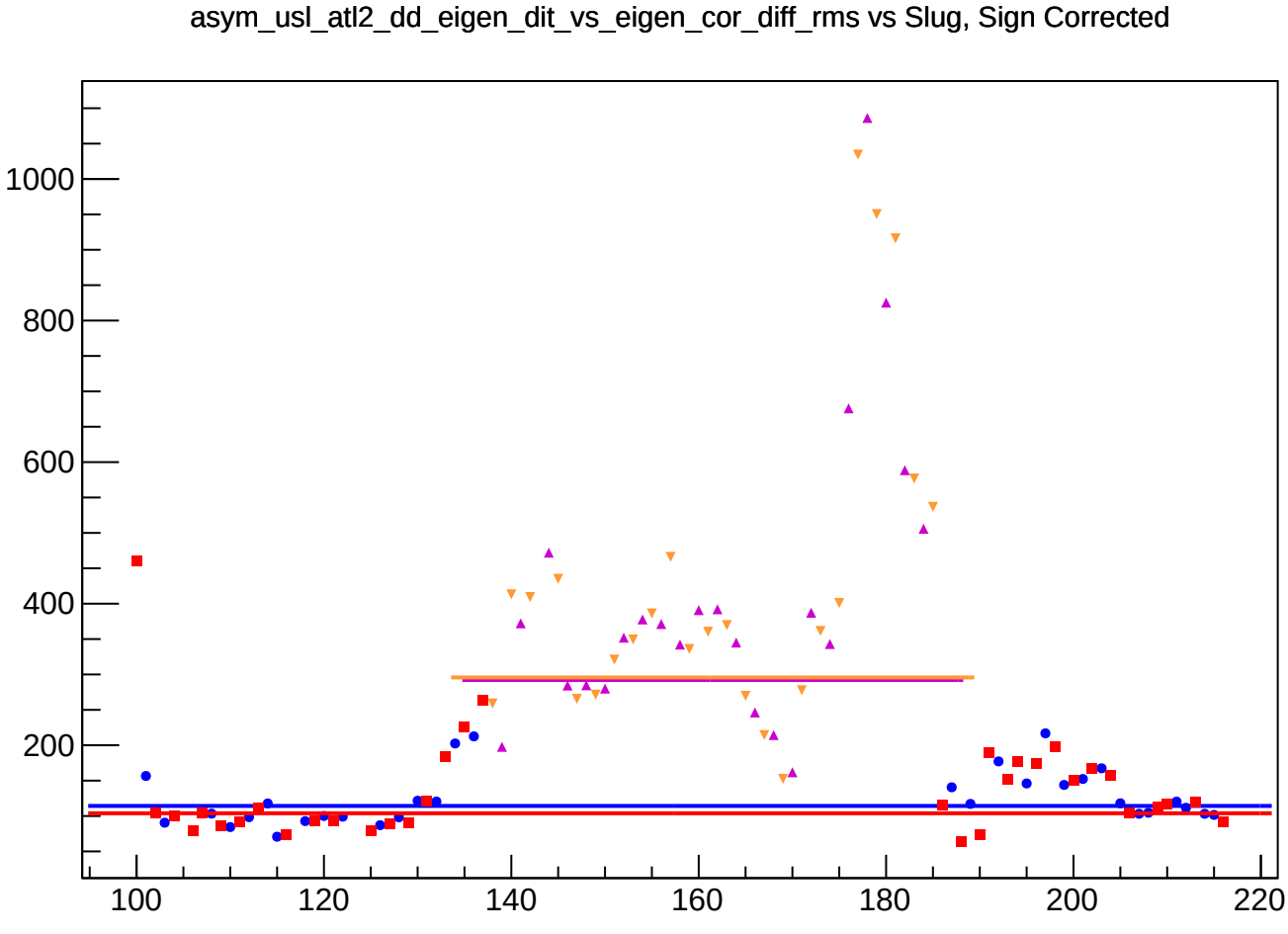
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.004+/-0.019 χ^2/NDF: 72.6/64

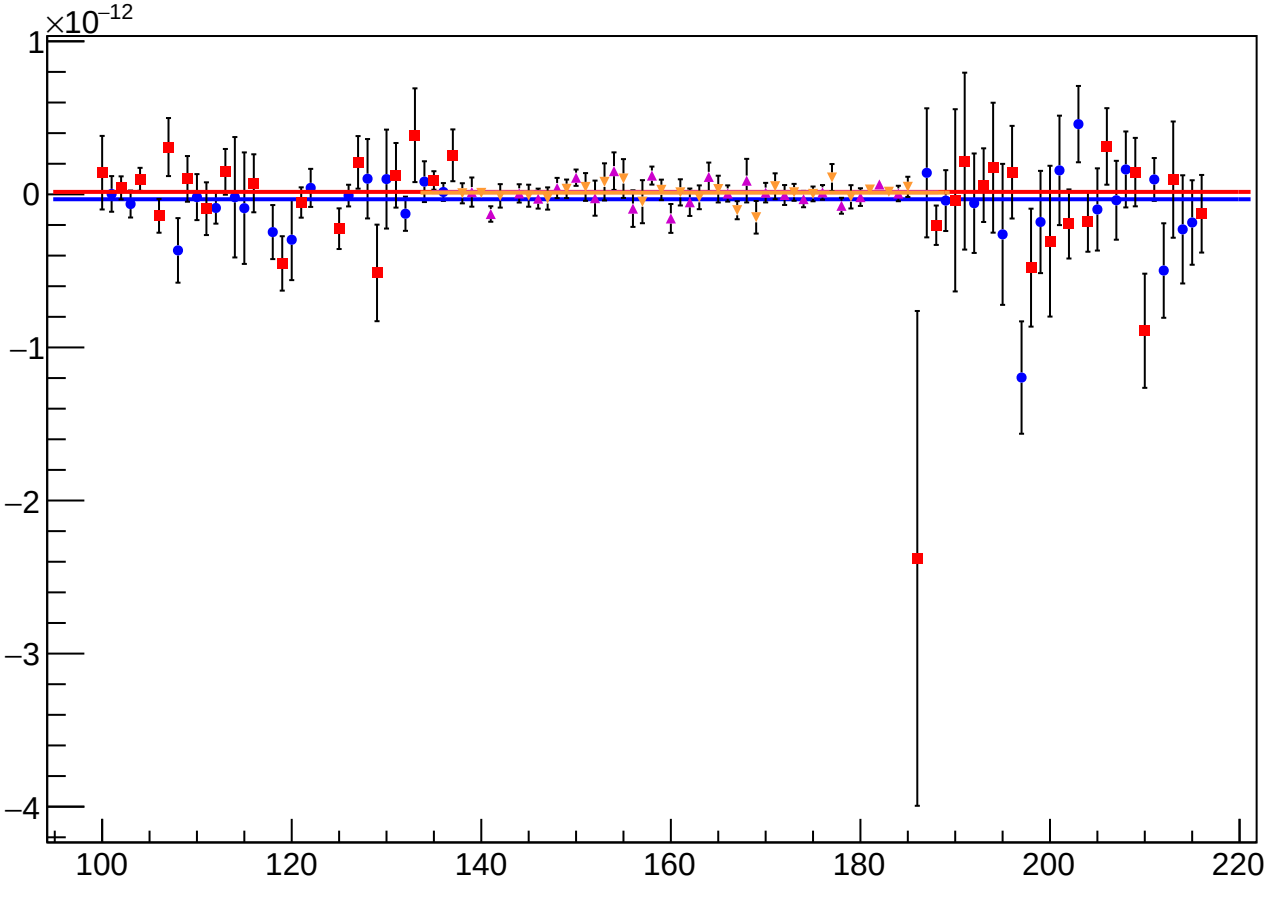
In: 0.034+/-0.026 χ^2/NDF:56.0/53

Out: -0.027+/-0.024 χ^2/NDF:70.1/57

All: 0.002+/-0.018 χ^2/NDF: 129.0/111


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 114.250+/-0.019 χ²/NDF: 2221589.8/30
Left Out: 295.800+/-0.054 χ²/NDF:5501139.3/23
Right Out: 103.891+/-0.018 χ²/NDF: 3657176.6/33
Left In: 292.103+/-0.053 χ²/NDF:5055695.7/22
Left: 293.920+/-0.038 χ²/NDF: 10559241.5/46
Right: 108.703+/-0.013 χ²/NDF: 6031075.9/64
In: 135.421+/-0.018 χ²/NDF:17259413.5/53
Out: 123.424+/-0.017 χ²/NDF:20611108.8/57
All: 129.056+/-0.012 χ²/NDF: 38100321.9/11

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 45.1/33

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

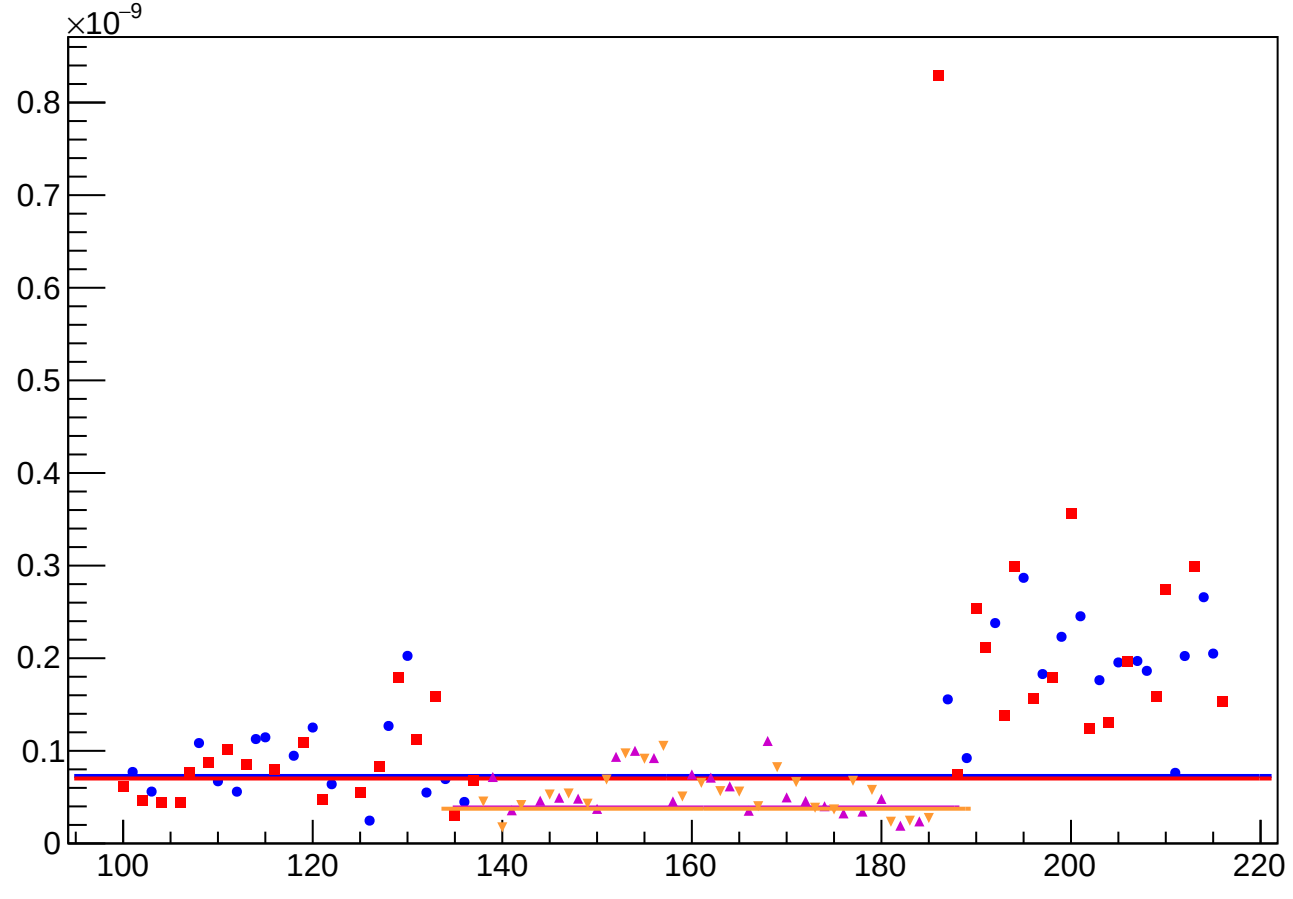
Right: -0.000+/-0.000 χ^2/NDF: 74.5/64

In: 0.000+/-0.000 χ^2/NDF:61.2/53

Out: 0.000+/-0.000 χ^2/NDF:55.7/57

All: 0.000+/-0.000 χ^2/NDF: 117.0/111

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7354367.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7440393.7/33

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

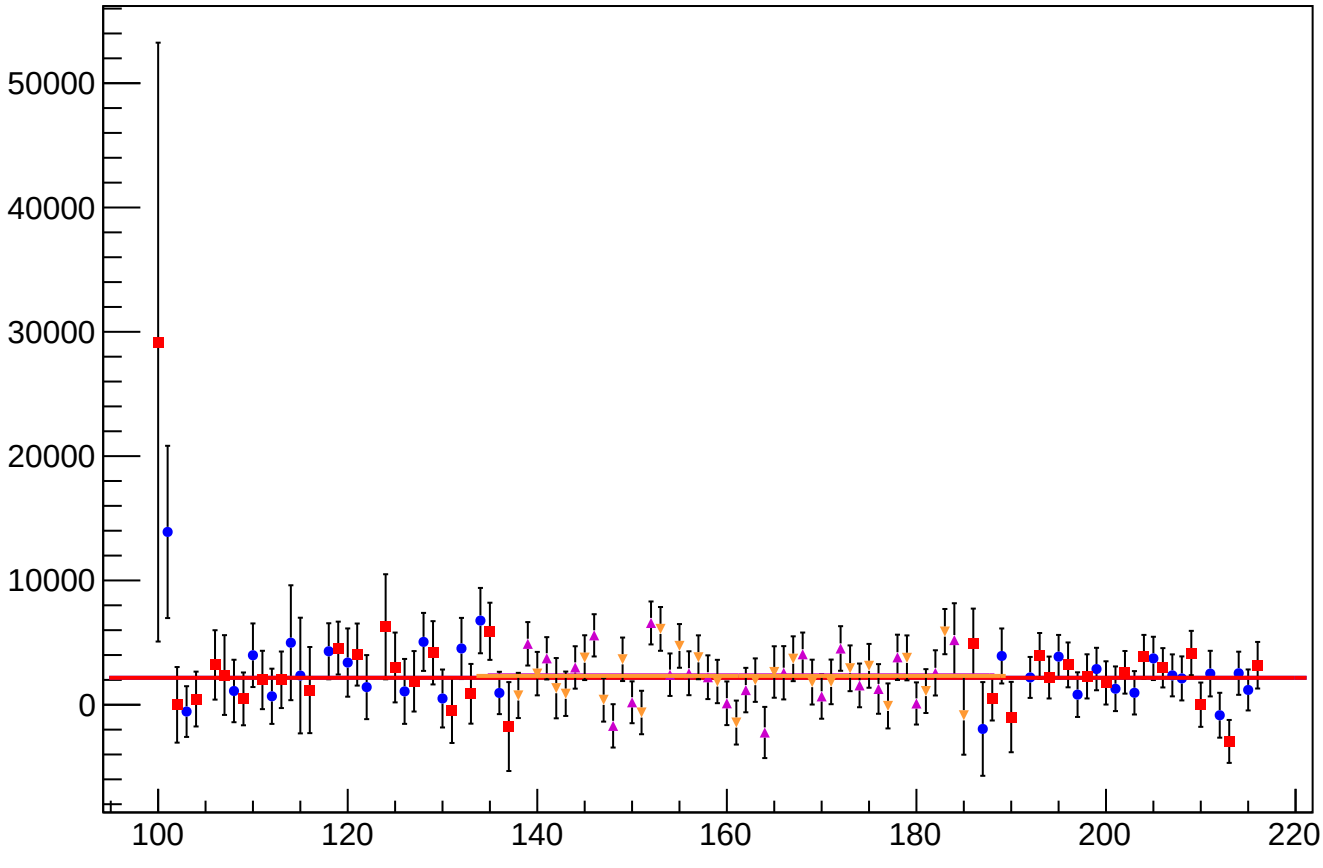
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 14805175.1/64

In: 0.000+/-0.000 χ^2/NDF:14554465.8/53

Out: 0.000+/-0.000 χ^2/NDF:14954782.8/57

All: 0.000+/-0.000 χ^2/NDF: 29526642.1/111



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: 2167.827+/-372.895 χ^2/NDF: 29.4/33

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

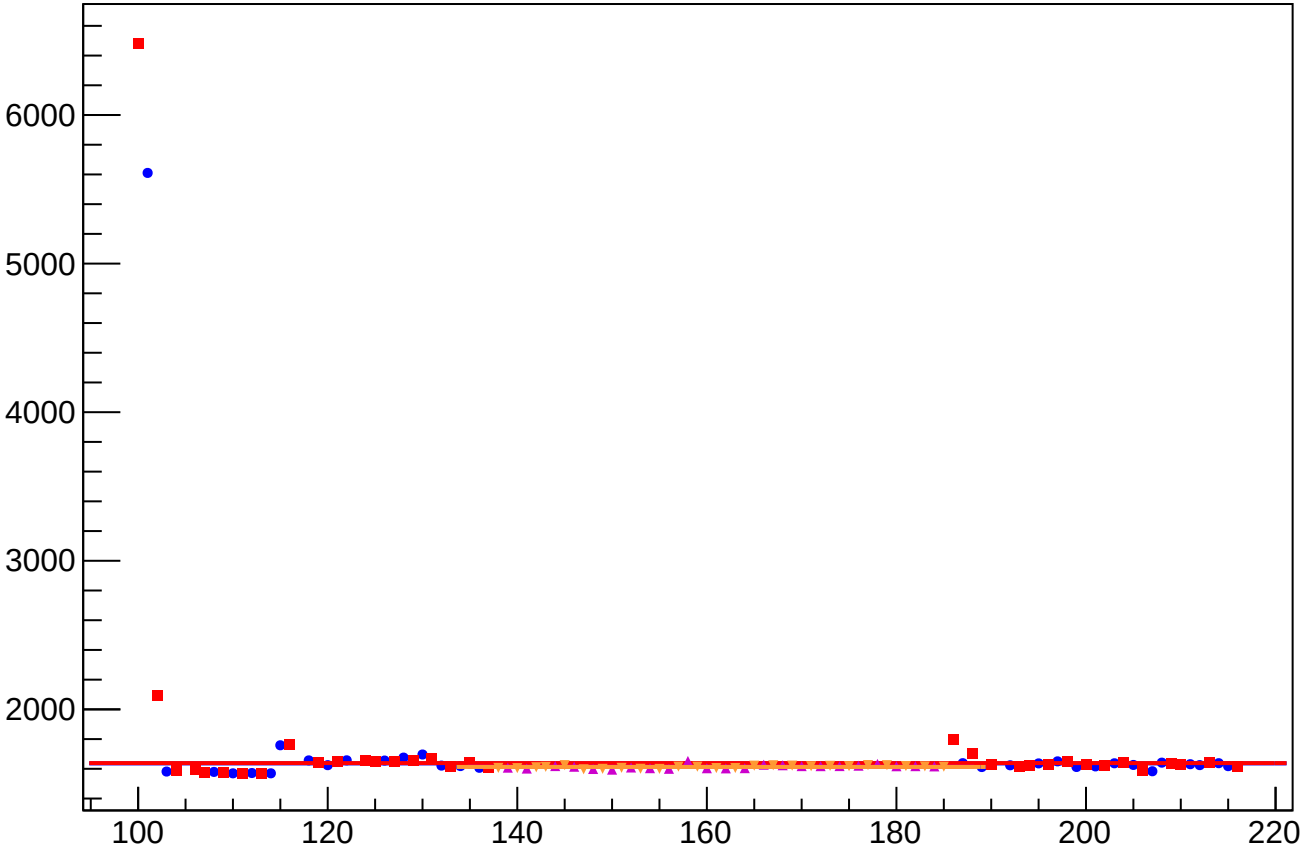
Right: 2168.531+/-264.669 χ^2/NDF: 51.7/64

In: 2269.648+/-266.054 χ^2/NDF:56.2/53

Out: 2245.814+/-261.314 χ^2/NDF:57.0/58

All: 2257.517+/-186.430 χ^2/NDF: 113.2/112

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



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: 1638.533+/-0.264 χ^2/NDF: 149178.5/33

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

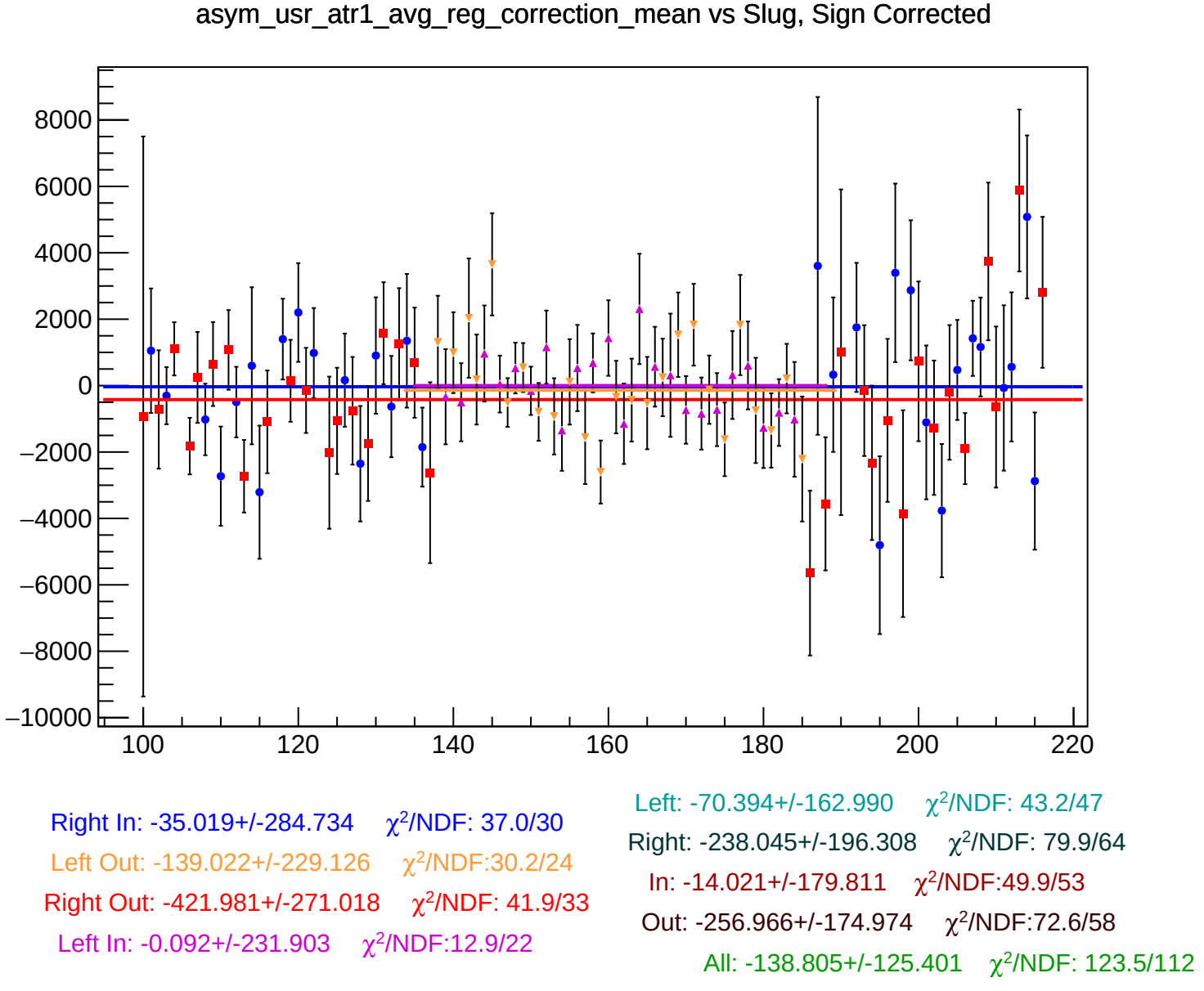
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

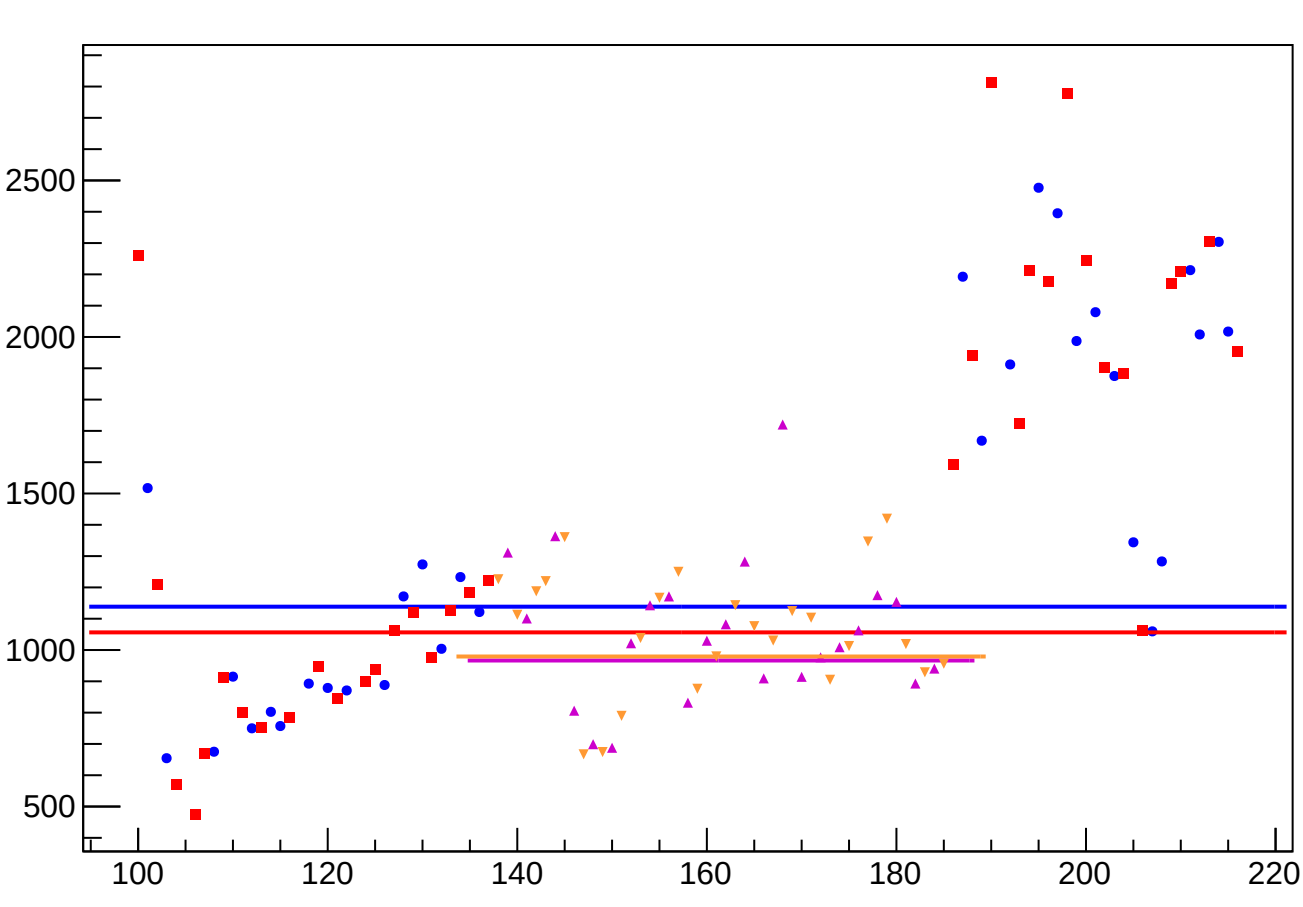
Right: 1637.465+/-0.187 χ^2/NDF: 821025.3/64

In: 1625.119+/-0.188 χ^2/NDF:677772.1/53

Out: 1625.339+/-0.185 χ^2/NDF:155271.0/58

All: 1625.231+/-0.132 χ^2/NDF: 833043.8/112


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
220
Right In: -35.019+/-284.734 χ²/NDF: 37.0/30
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: -421.981+/-271.018 χ²/NDF: 41.9/33
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -238.045+/-196.308 χ²/NDF: 79.9/64
In: -14.021+/-179.811 χ²/NDF:49.9/53
Out: -256.966+/-174.974 χ²/NDF:72.6/58
All: -138.805+/-125.401 χ²/NDF: 123.5/112



Right In: 1138.441+/-0.201 χ^2/NDF: 5744997.8/30

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1056.336+/-0.192 χ^2/NDF: 7727821.4/33

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

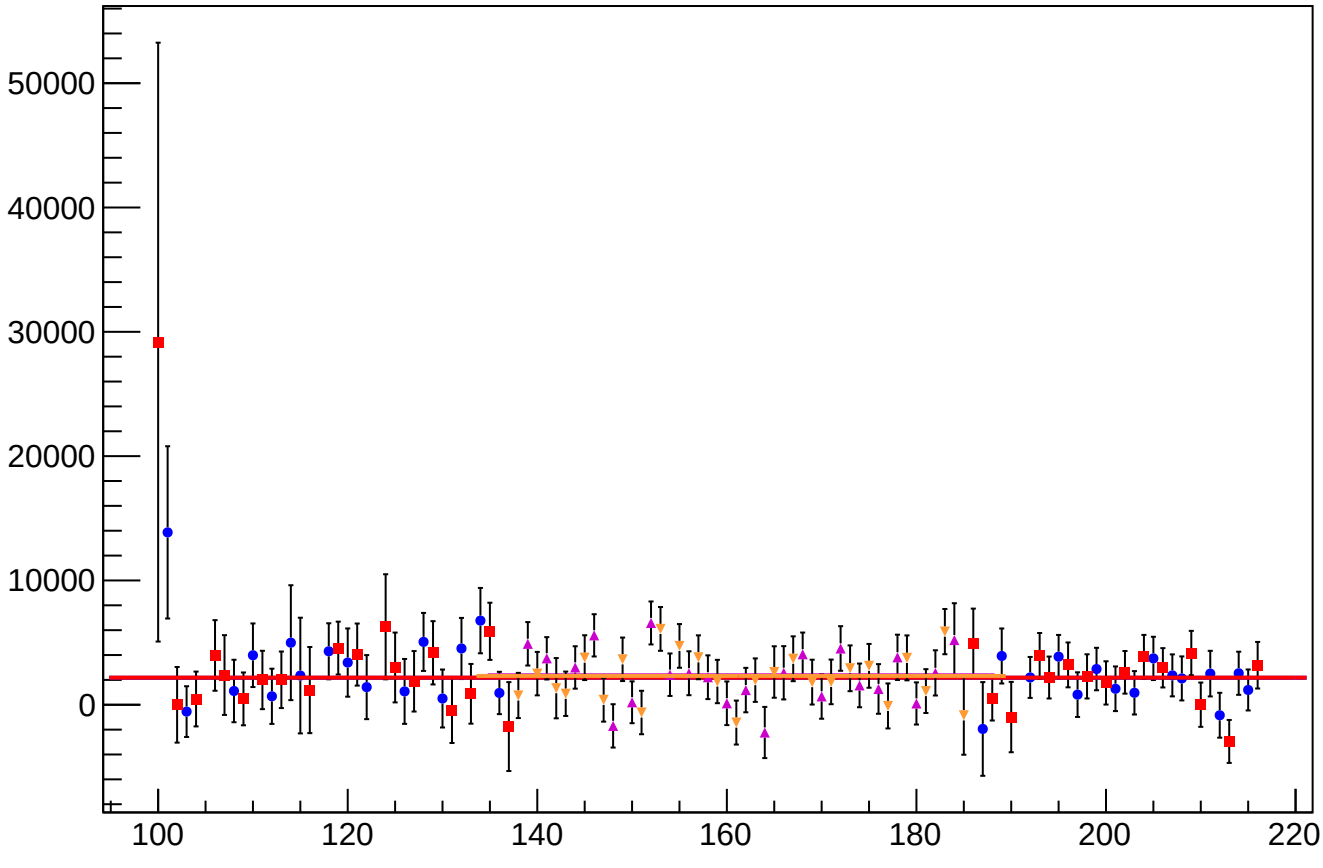
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 1095.363+/-0.139 χ^2/NDF: 13560070.4/64

In: 1035.085+/-0.127 χ^2/NDF:7785919.4/53

Out: 1011.407+/-0.124 χ^2/NDF:9452694.7/58

All: 1022.924+/-0.089 χ^2/NDF: 17256427.4/1



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: 2180.464+/-373.009 χ^2/NDF: 29.7/33

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

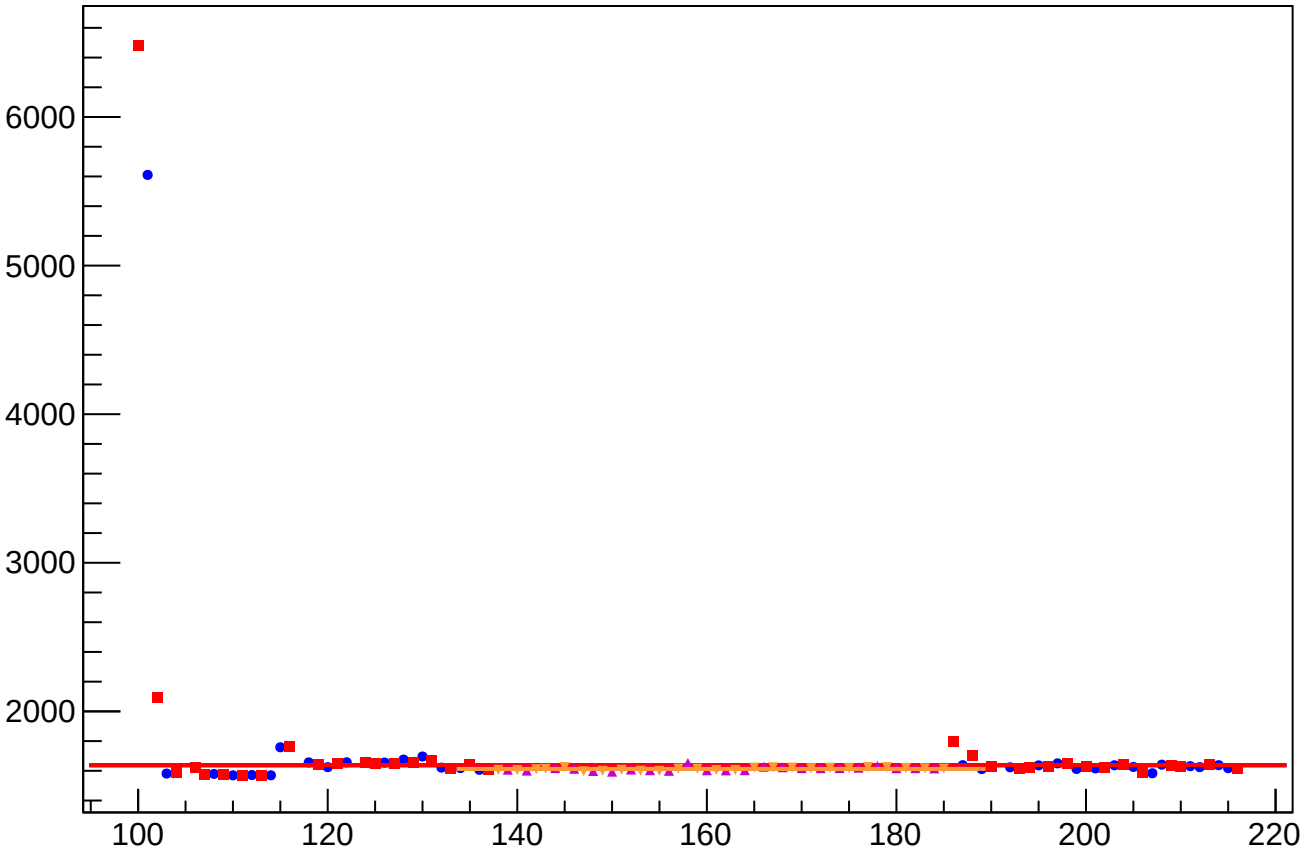
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2174.783+/-264.710 χ^2/NDF: 51.9/64

In: 2269.571+/-266.054 χ^2/NDF:56.2/53

Out: 2252.020+/-261.353 χ^2/NDF:57.2/58

All: 2260.639+/-186.444 χ^2/NDF: 113.4/112



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: 1639.018+/-0.264 χ^2/NDF: 148737.9/33

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

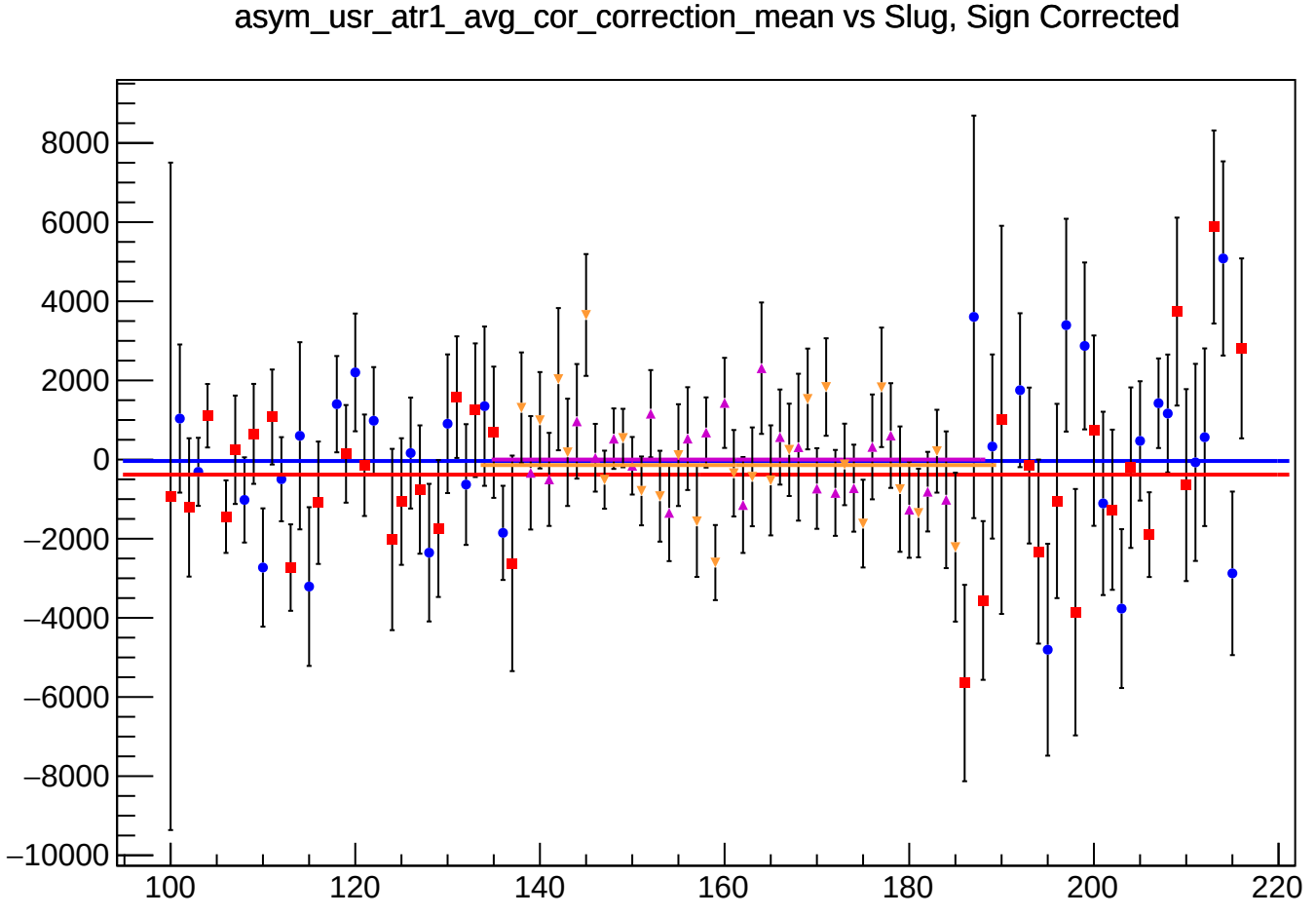
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.709+/-0.187 χ^2/NDF: 820600.8/64

In: 1625.119+/-0.188 χ^2/NDF:677771.7/53

Out: 1625.573+/-0.185 χ^2/NDF:155014.5/58

All: 1625.350+/-0.132 χ^2/NDF: 832789.1/112



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: -381.384+/-272.812 χ^2/NDF: 40.5/33

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

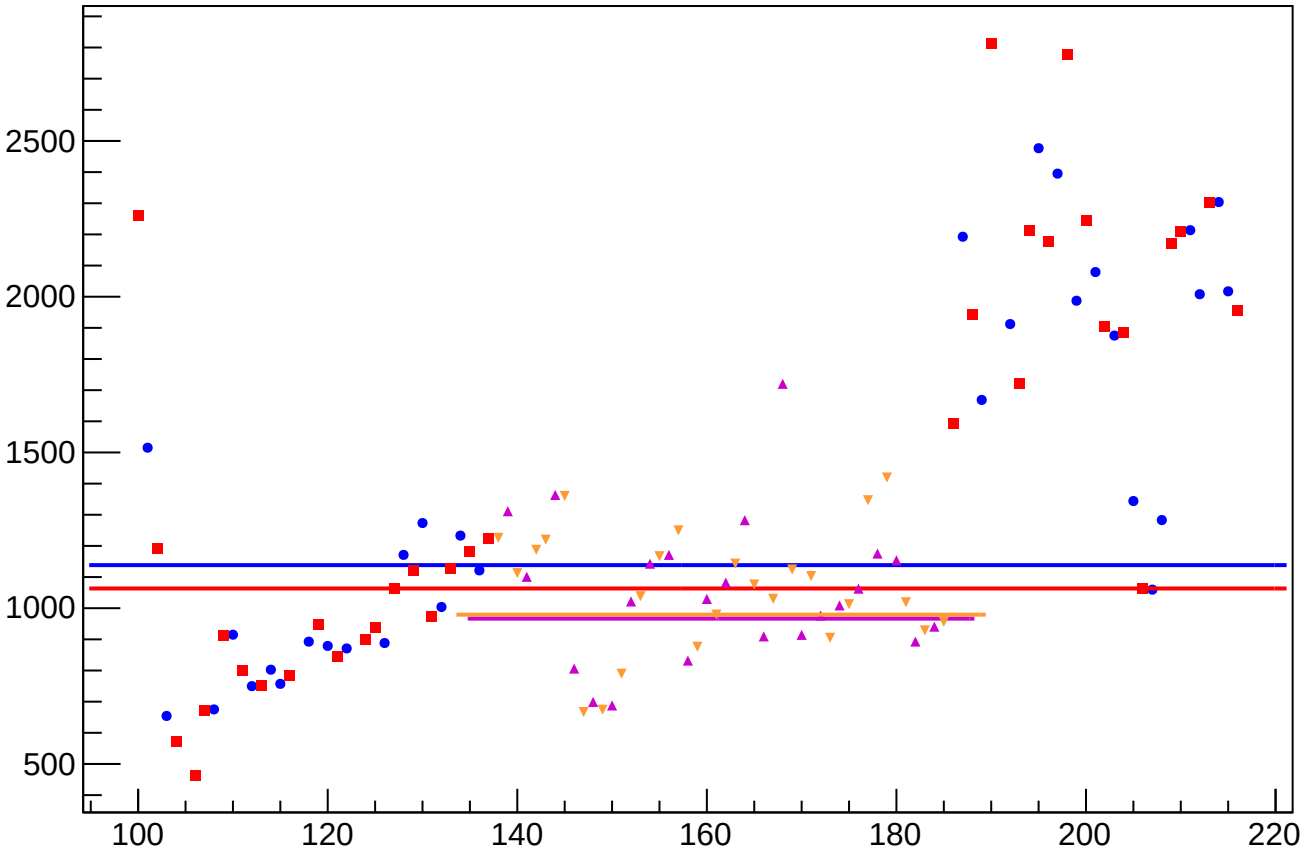
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -216.044+/-196.978 χ^2/NDF: 78.3/64

In: -14.387+/-179.805 χ^2/NDF:49.9/53

Out: -239.298+/-175.454 χ^2/NDF:71.2/58

All: -129.597+/-125.575 χ^2/NDF: 121.9/112



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: 1063.355+/-0.193 χ^2/NDF: 7624646.5/33

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

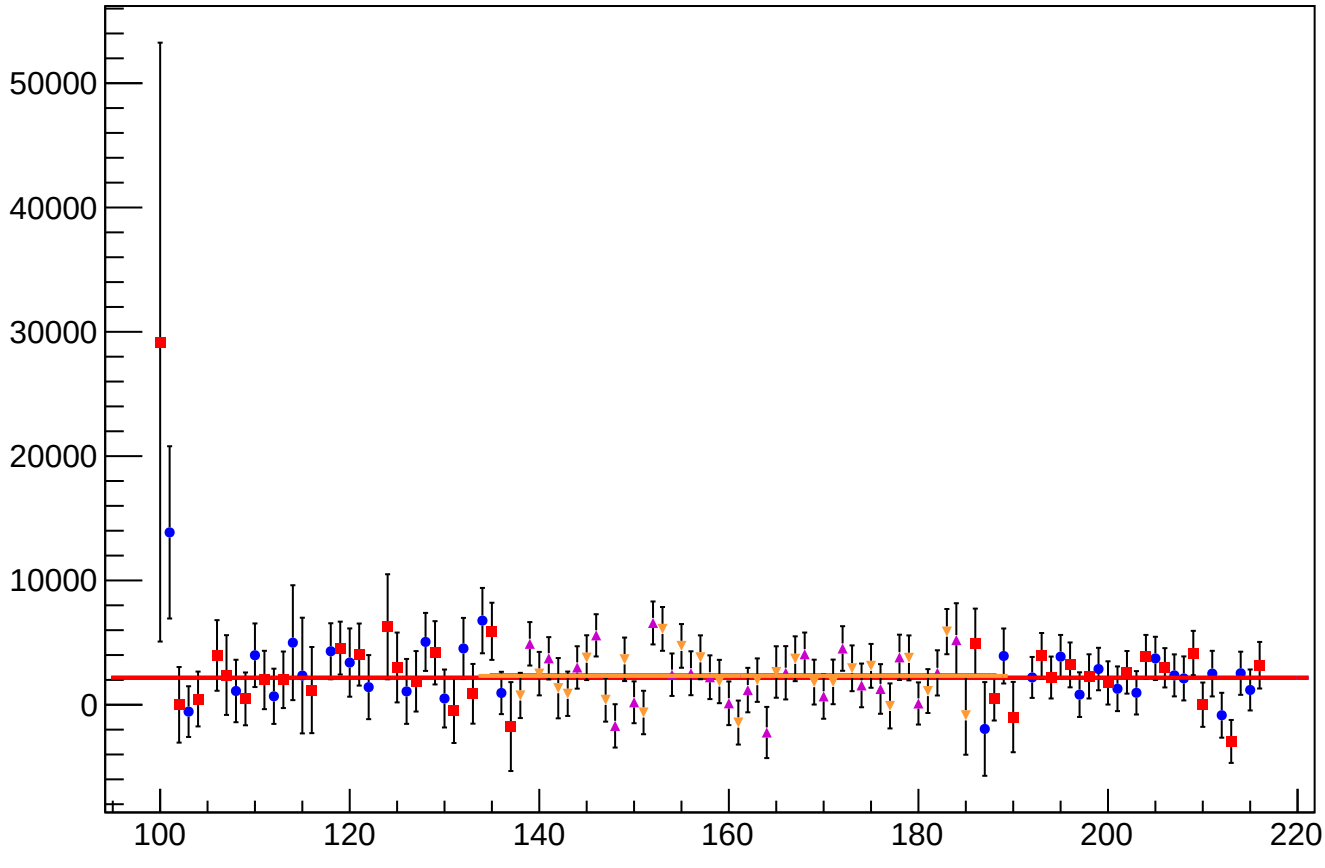
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1099.242+/-0.139 χ^2/NDF: 13442840.9/64

In: 1035.051+/-0.127 χ^2/NDF:7786219.0/53

Out: 1014.060+/-0.124 χ^2/NDF:9366737.4/58

All: 1024.298+/-0.089 χ^2/NDF: 17166919.8/1



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: 2180.464+/-373.009 χ^2/NDF: 29.7/33

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

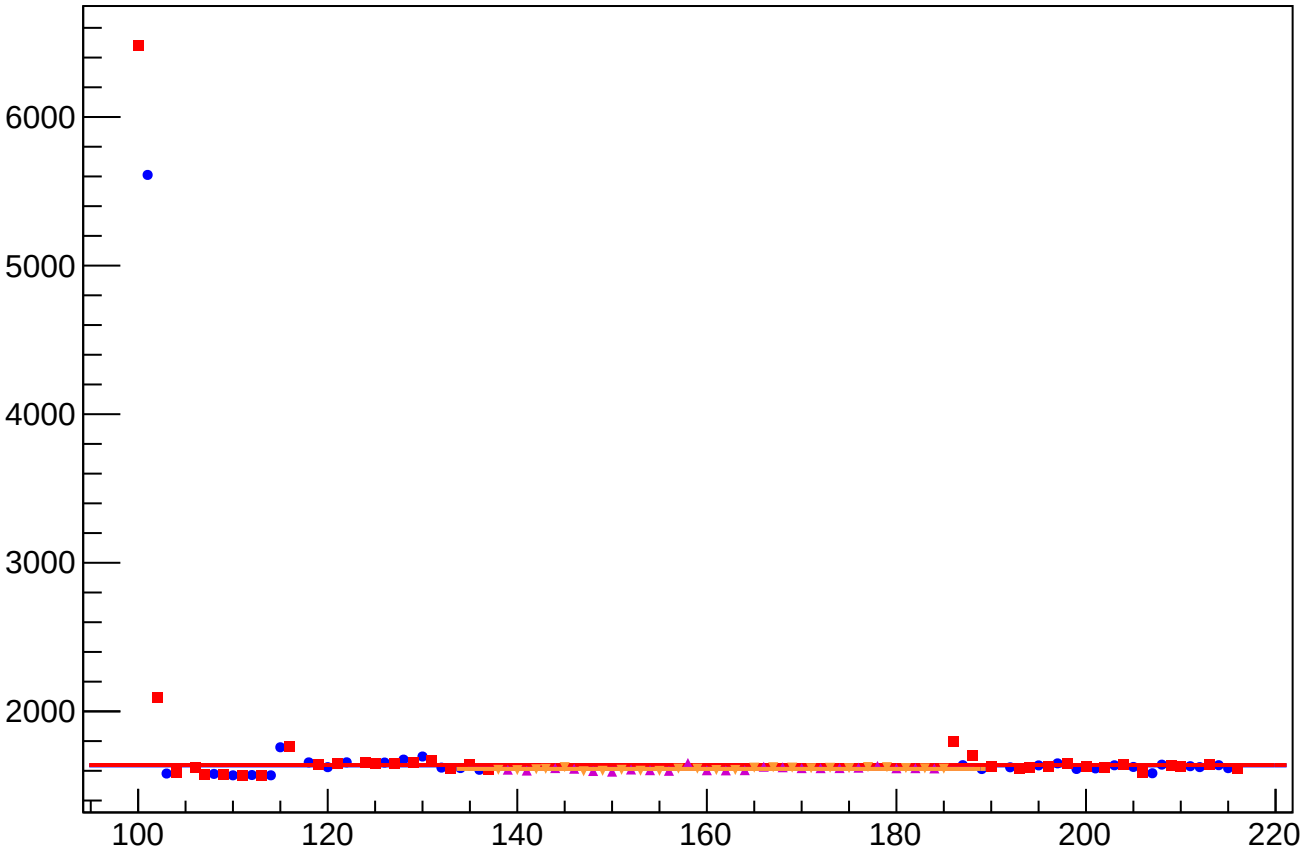
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2174.783+/-264.710 χ^2/NDF: 51.9/64

In: 2269.571+/-266.054 χ^2/NDF:56.2/53

Out: 2252.020+/-261.353 χ^2/NDF:57.2/58

All: 2260.639+/-186.444 χ^2/NDF: 113.4/112



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: 1639.018+/-0.264 χ^2/NDF: 148737.9/33

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

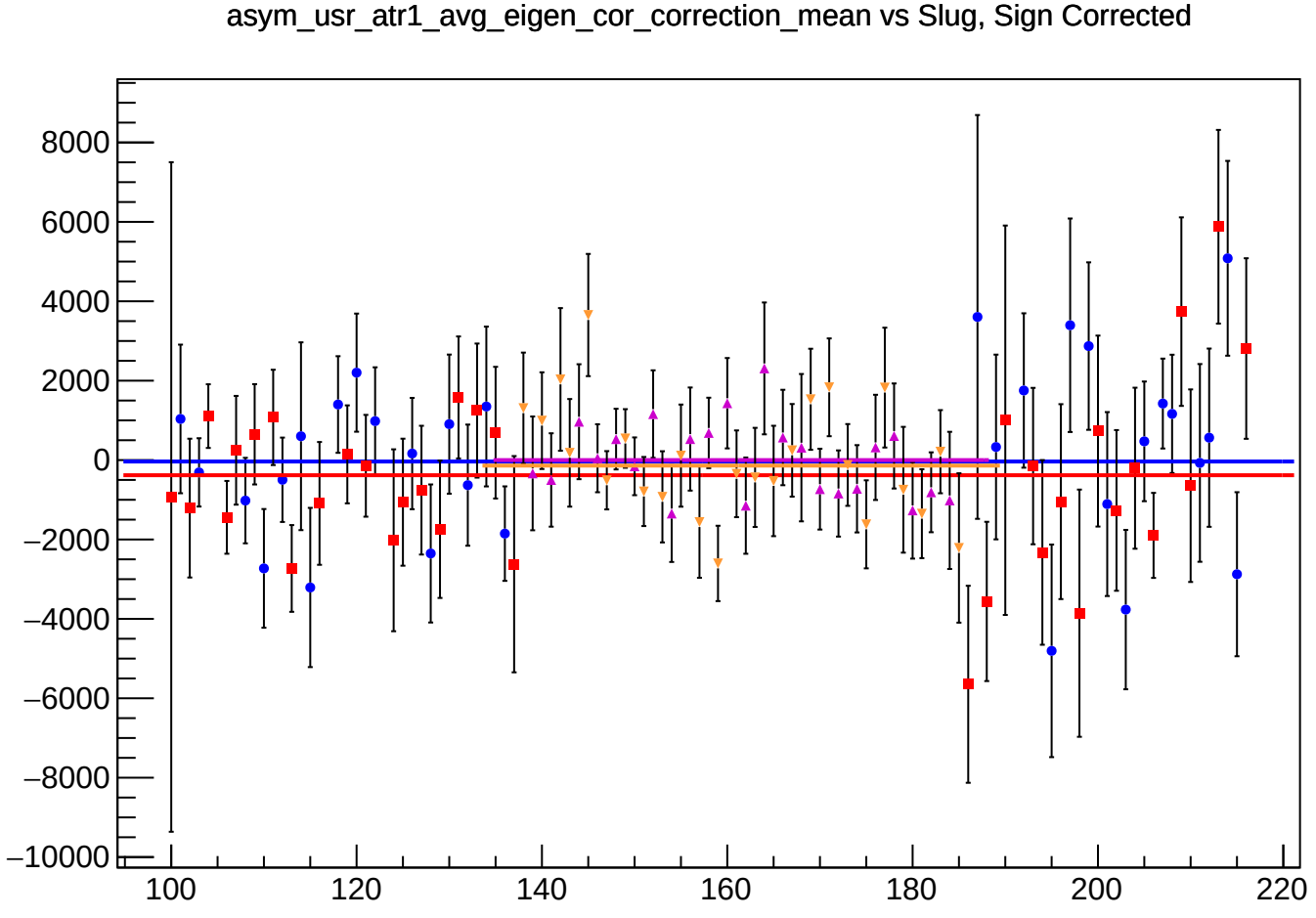
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1637.709+/-0.187 χ^2/NDF: 820600.8/64

In: 1625.119+/-0.188 χ^2/NDF:677771.7/53

Out: 1625.573+/-0.185 χ^2/NDF:155014.5/58

All: 1625.350+/-0.132 χ^2/NDF: 832789.1/112



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: -381.384+/-272.812 χ^2/NDF: 40.5/33

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

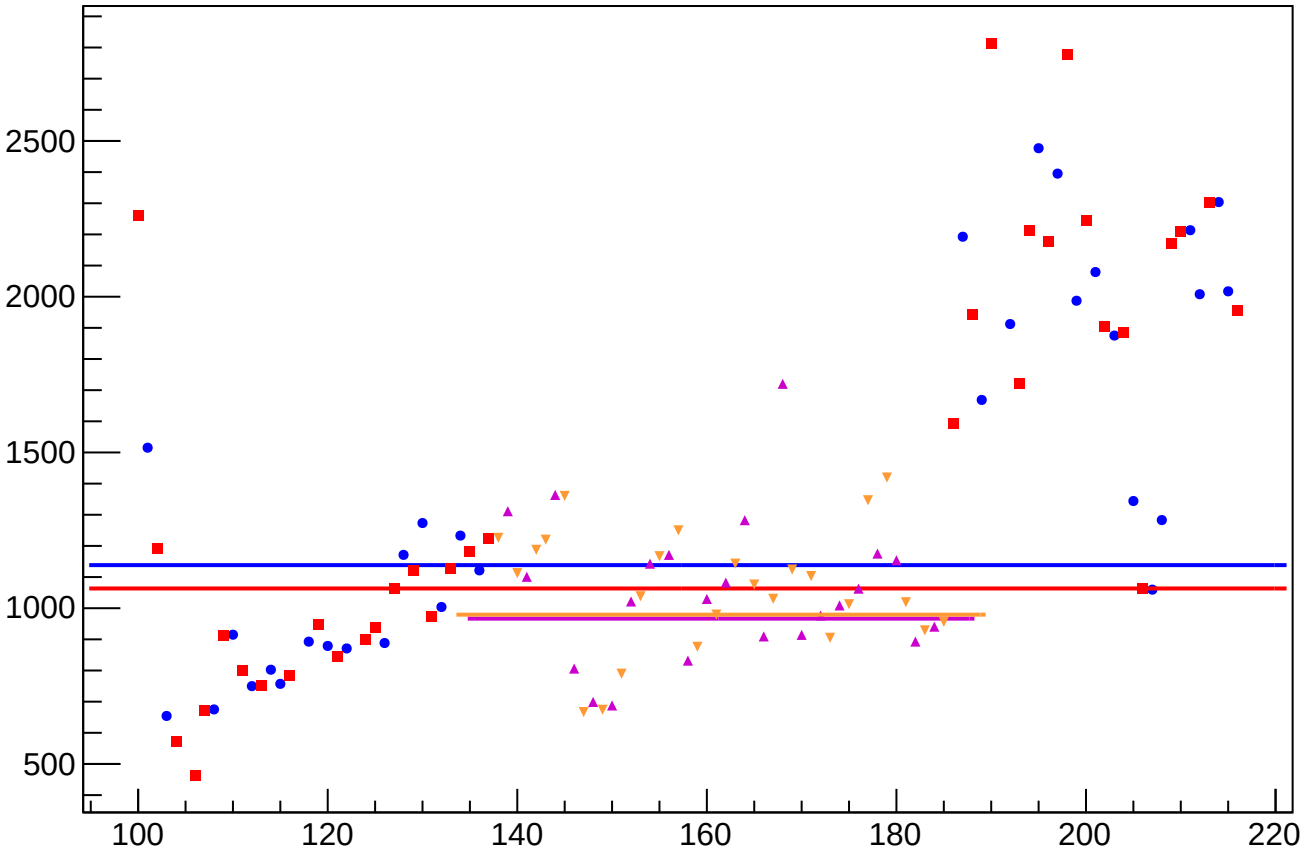
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -216.044+/-196.978 χ^2/NDF: 78.3/64

In: -14.387+/-179.805 χ^2/NDF:49.9/53

Out: -239.298+/-175.454 χ^2/NDF:71.2/58

All: -129.597+/-125.575 χ^2/NDF: 121.9/112



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: 1063.355+/-0.193 χ^2/NDF: 7624646.5/33

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

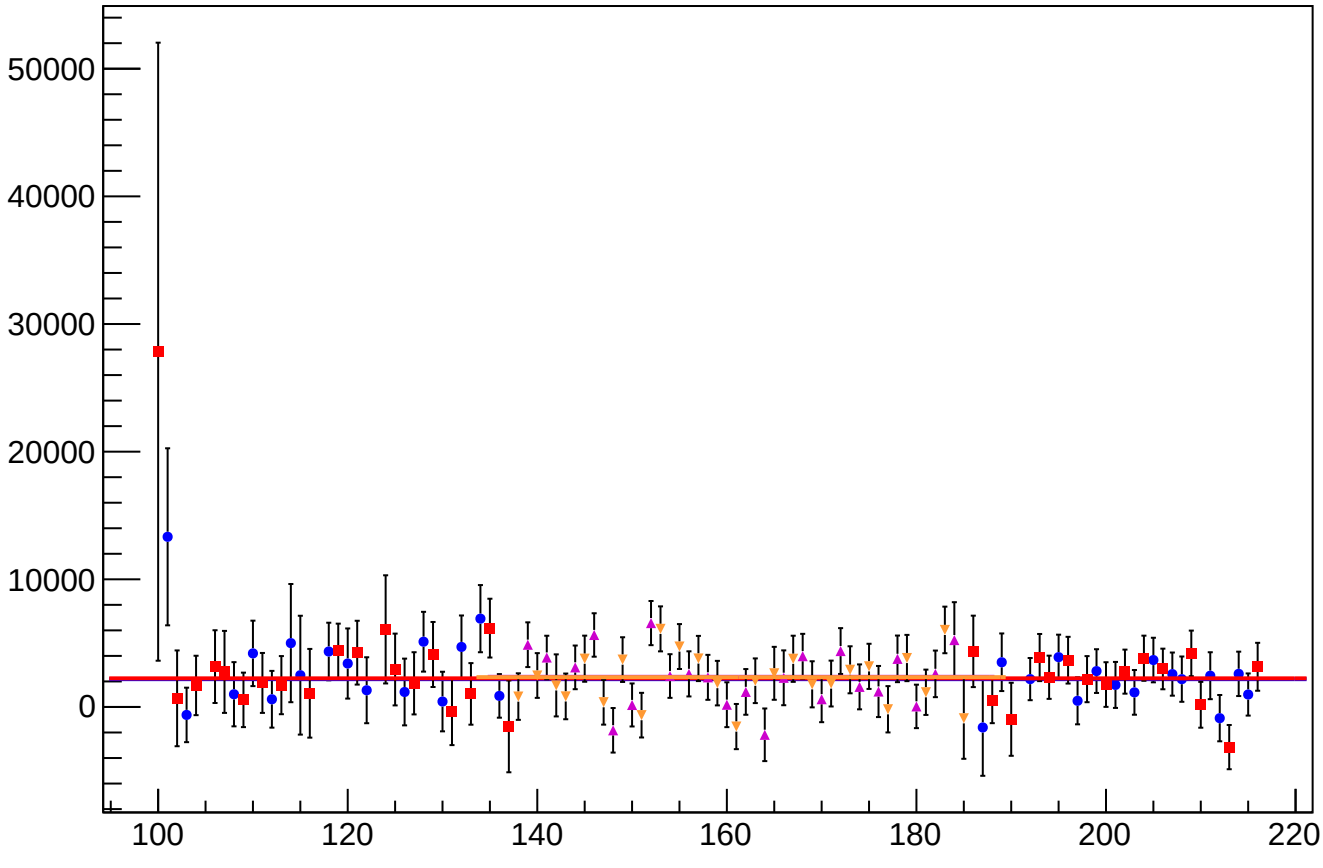
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1099.242+/-0.139 χ^2/NDF: 13442840.9/64

In: 1035.051+/-0.127 χ^2/NDF:7786219.0/53

Out: 1014.060+/-0.124 χ^2/NDF:9366737.4/58

All: 1024.298+/-0.089 χ^2/NDF: 17166919.8/1



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: 2241.484+/-376.138 χ^2/NDF: 28.5/33

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

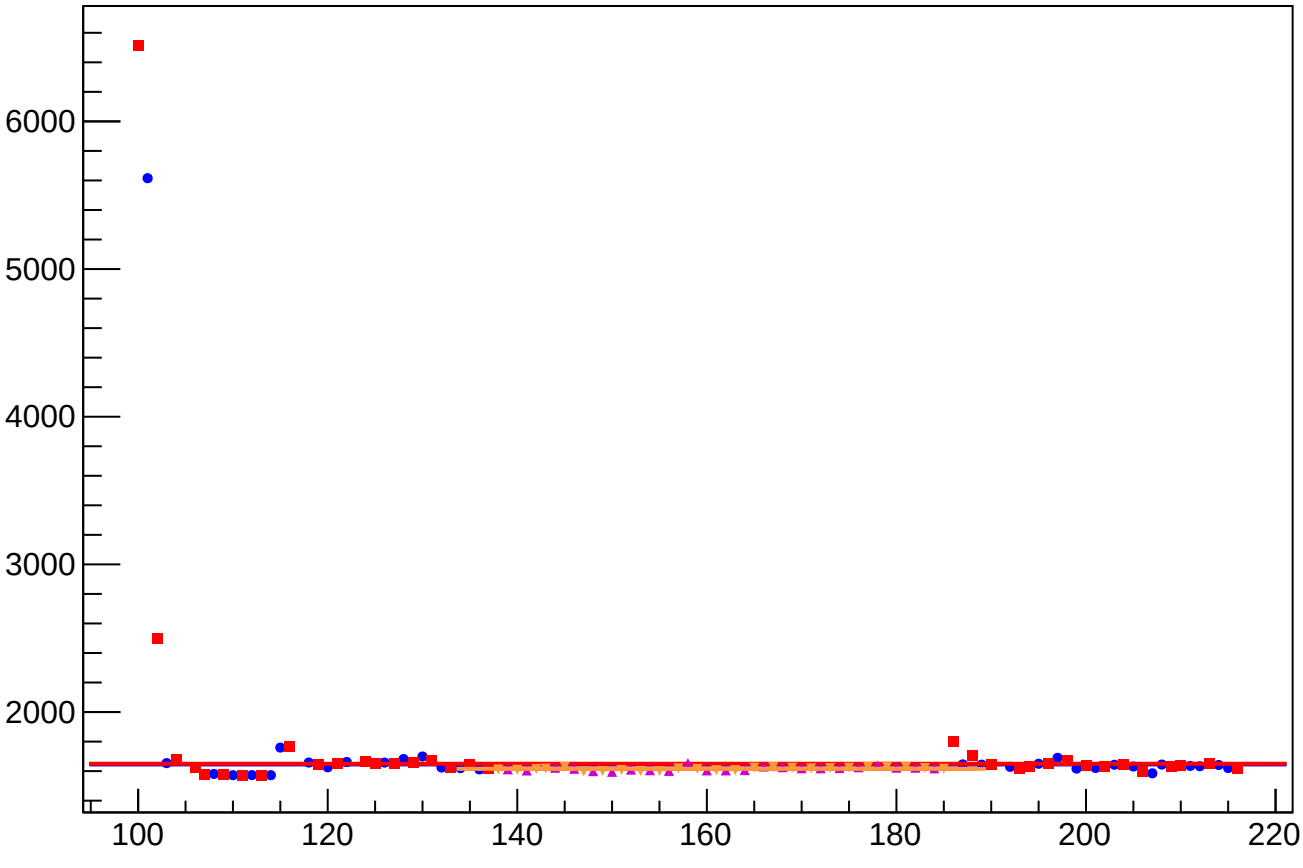
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2210.767+/-266.557 χ^2/NDF: 50.9/64

In: 2270.130+/-267.005 χ^2/NDF:56.5/53

Out: 2289.311+/-262.676 χ^2/NDF:56.8/58

All: 2279.877+/-187.252 χ^2/NDF: 113.3/112



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: 1649.897+/-0.266 χ^2/NDF: 206287.2/33

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

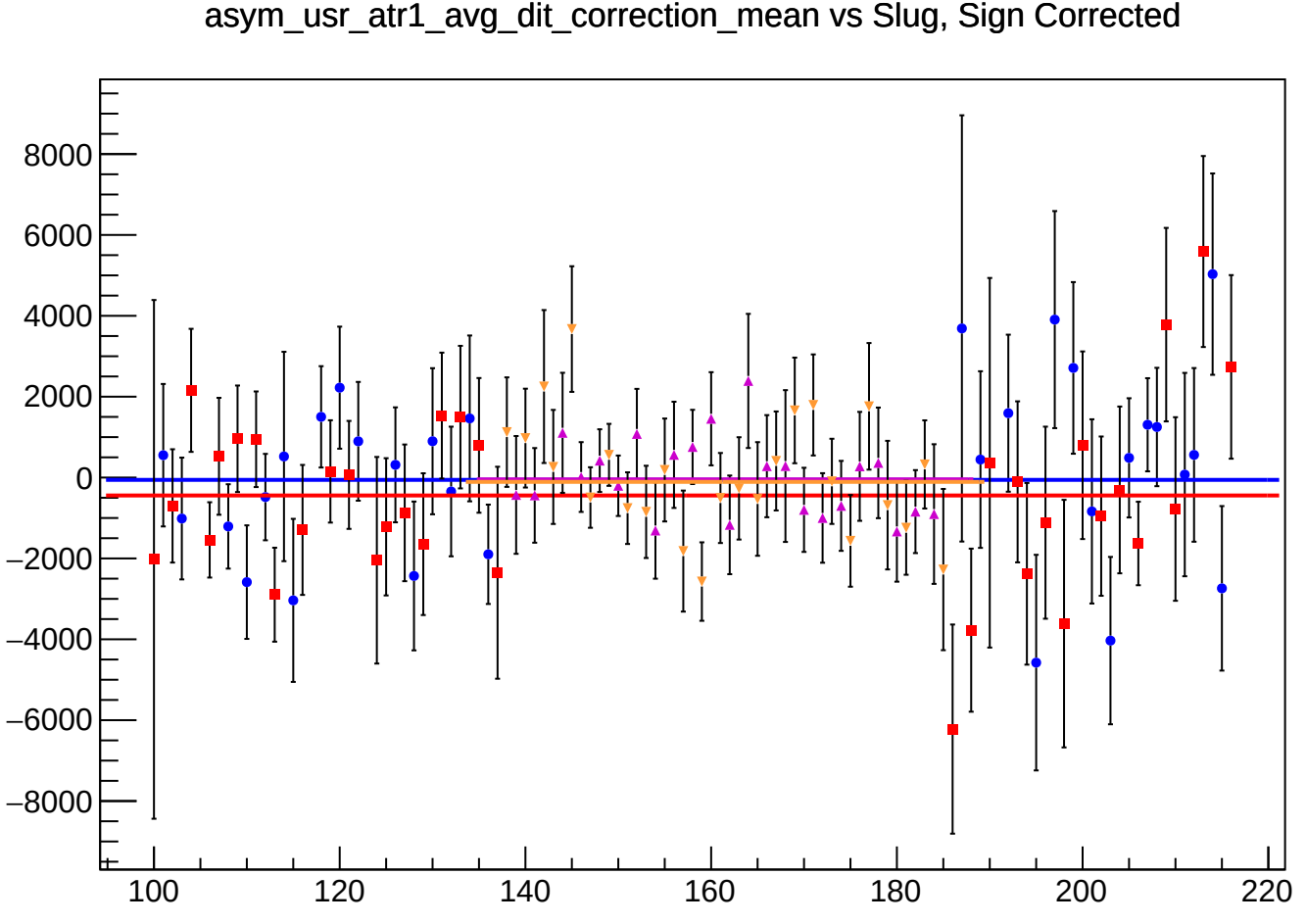
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1647.641+/-0.188 χ^2/NDF: 877101.0/64

In: 1630.847+/-0.189 χ^2/NDF:679126.9/53

Out: 1632.343+/-0.186 χ^2/NDF:216236.5/58

All: 1631.607+/-0.132 χ^2/NDF: 895395.3/112



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: -443.070+/-286.817 χ^2/NDF: 40.5/33

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

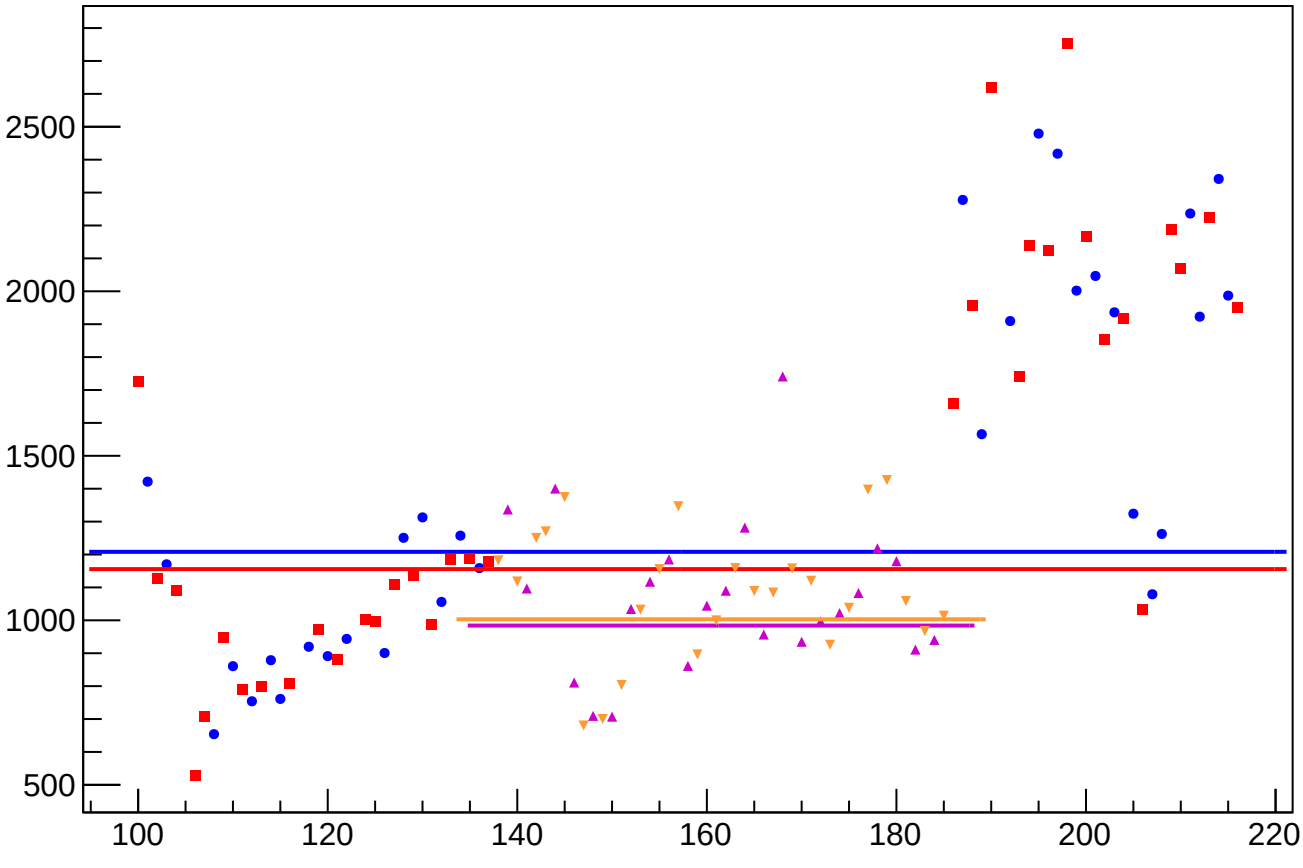
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -257.350+/-206.549 χ^2/NDF: 78.0/64

In: -49.404+/-184.808 χ^2/NDF:49.4/53

Out: -241.115+/-181.455 χ^2/NDF:70.3/58

All: -147.014+/-129.477 χ^2/NDF: 120.3/112



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: 1155.651+/-0.203 χ^2/NDF: 6137667.1/33

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

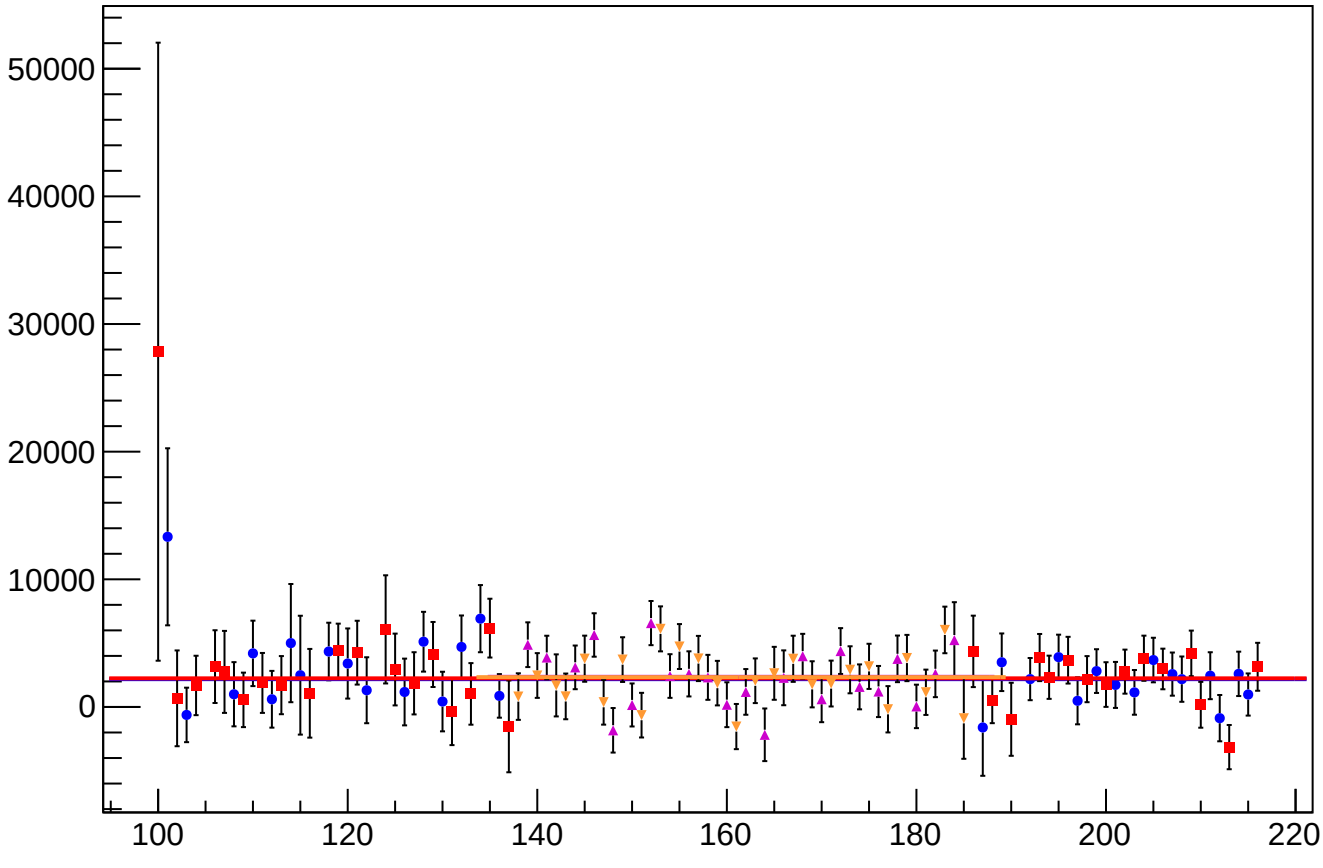
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1180.948+/-0.146 χ^2/NDF: 11122587.9/64

In: 1070.437+/-0.131 χ^2/NDF:7209039.5/53

Out: 1064.159+/-0.128 χ^2/NDF:8075407.4/58

All: 1067.241+/-0.092 χ^2/NDF: 15285622.2/1



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: 2241.484+/-376.138 χ^2/NDF: 28.5/33

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

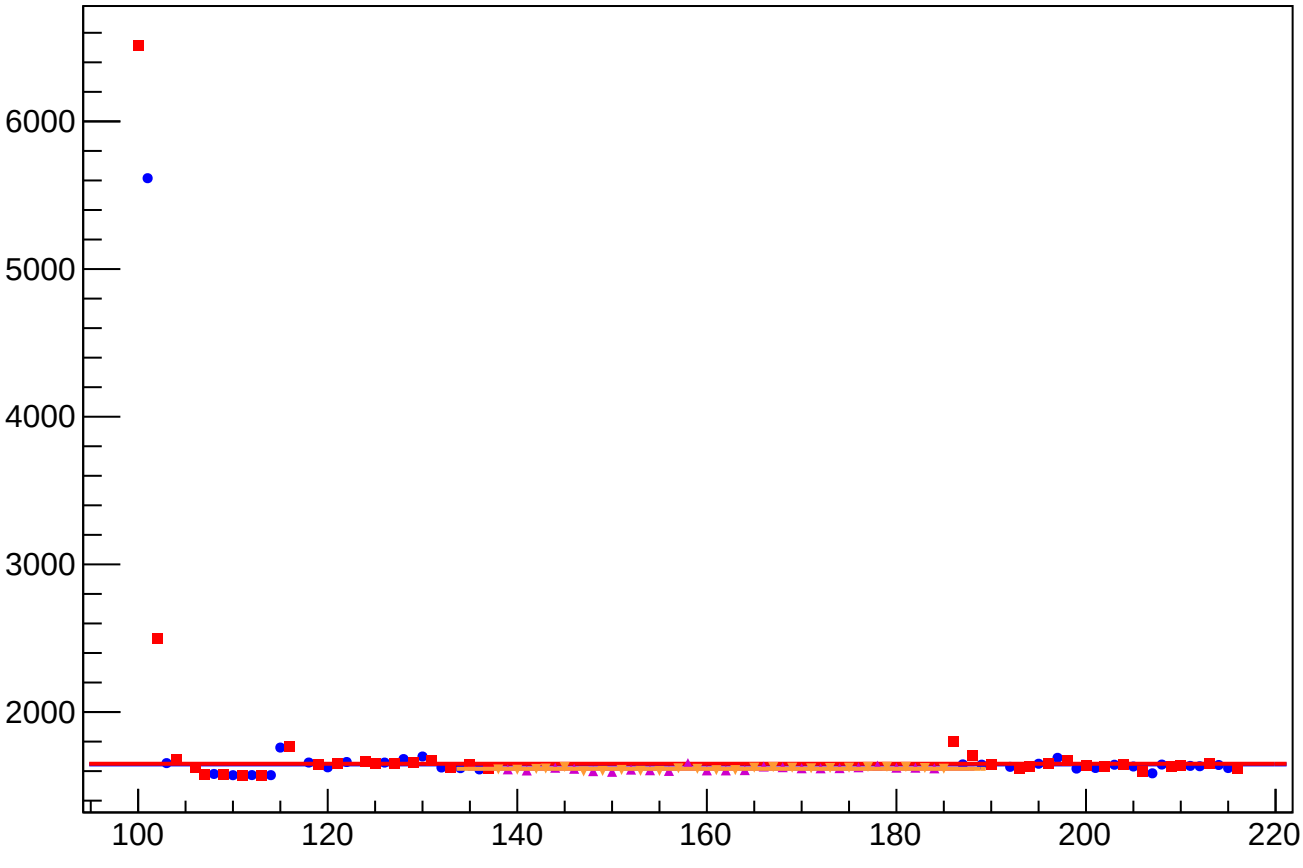
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2210.768+/-266.557 χ^2/NDF: 50.9/64

In: 2270.130+/-267.005 χ^2/NDF:56.5/53

Out: 2289.310+/-262.676 χ^2/NDF:56.8/58

All: 2279.877+/-187.252 χ^2/NDF: 113.3/112



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: 1649.896+/-0.266 χ^2/NDF: 206287.1/33

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

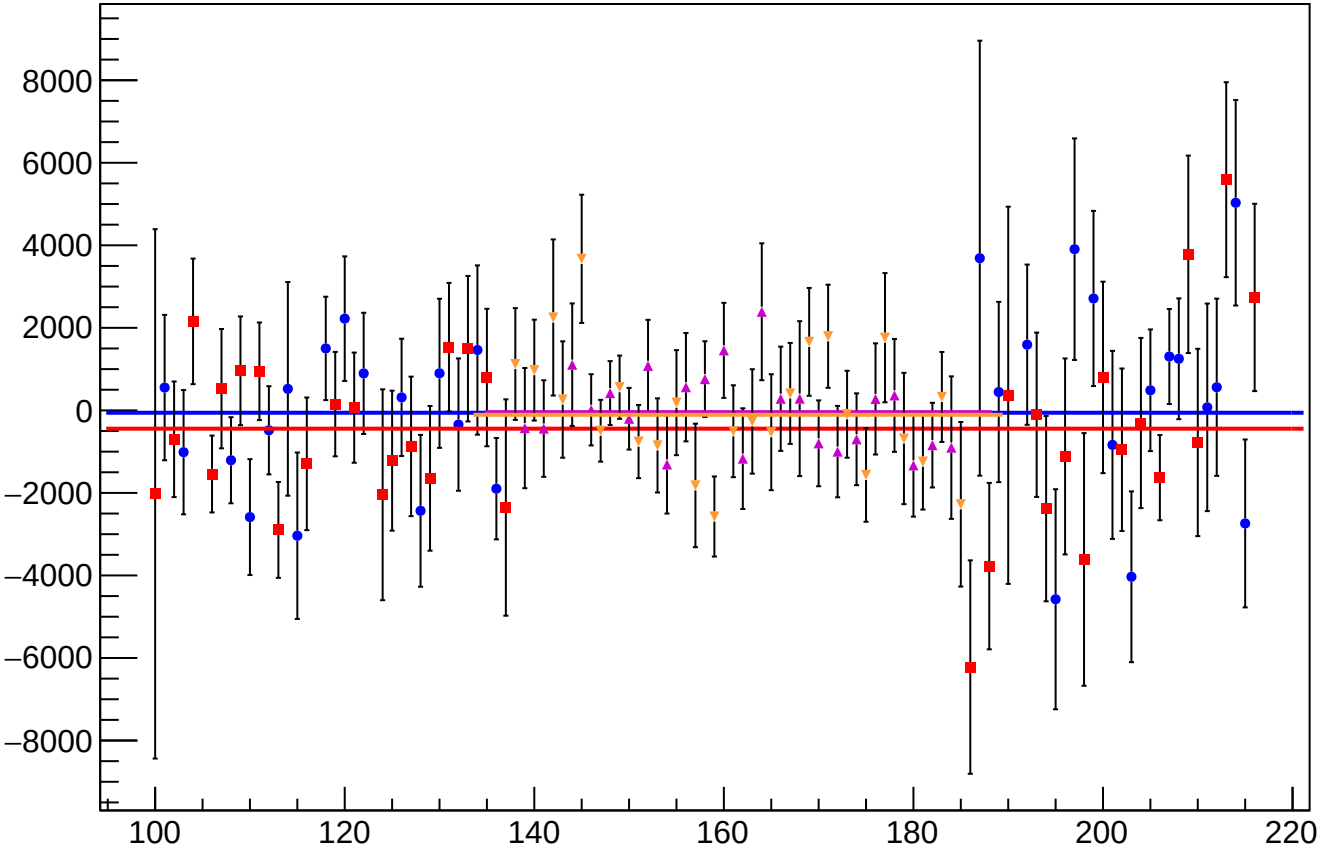
Right: 1647.640+/-0.188 χ^2/NDF: 877100.9/64

In: 1630.847+/-0.189 χ^2/NDF:679126.9/53

Out: 1632.343+/-0.186 χ^2/NDF:216236.3/58

All: 1631.607+/-0.132 χ^2/NDF: 895395.1/112

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -443.068+/-286.816 χ^2/NDF: 40.5/33

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

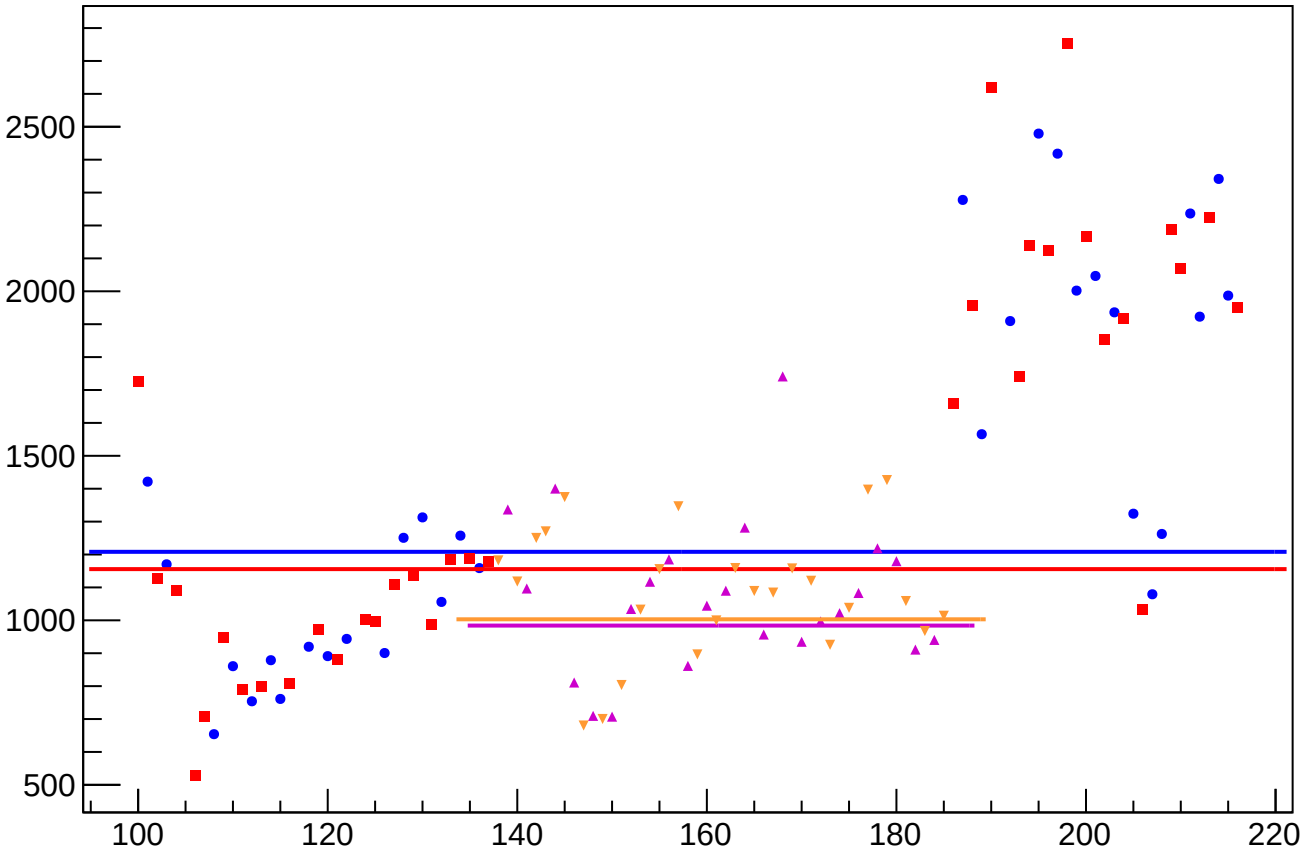
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -257.349+/-206.548 χ^2/NDF: 78.0/64

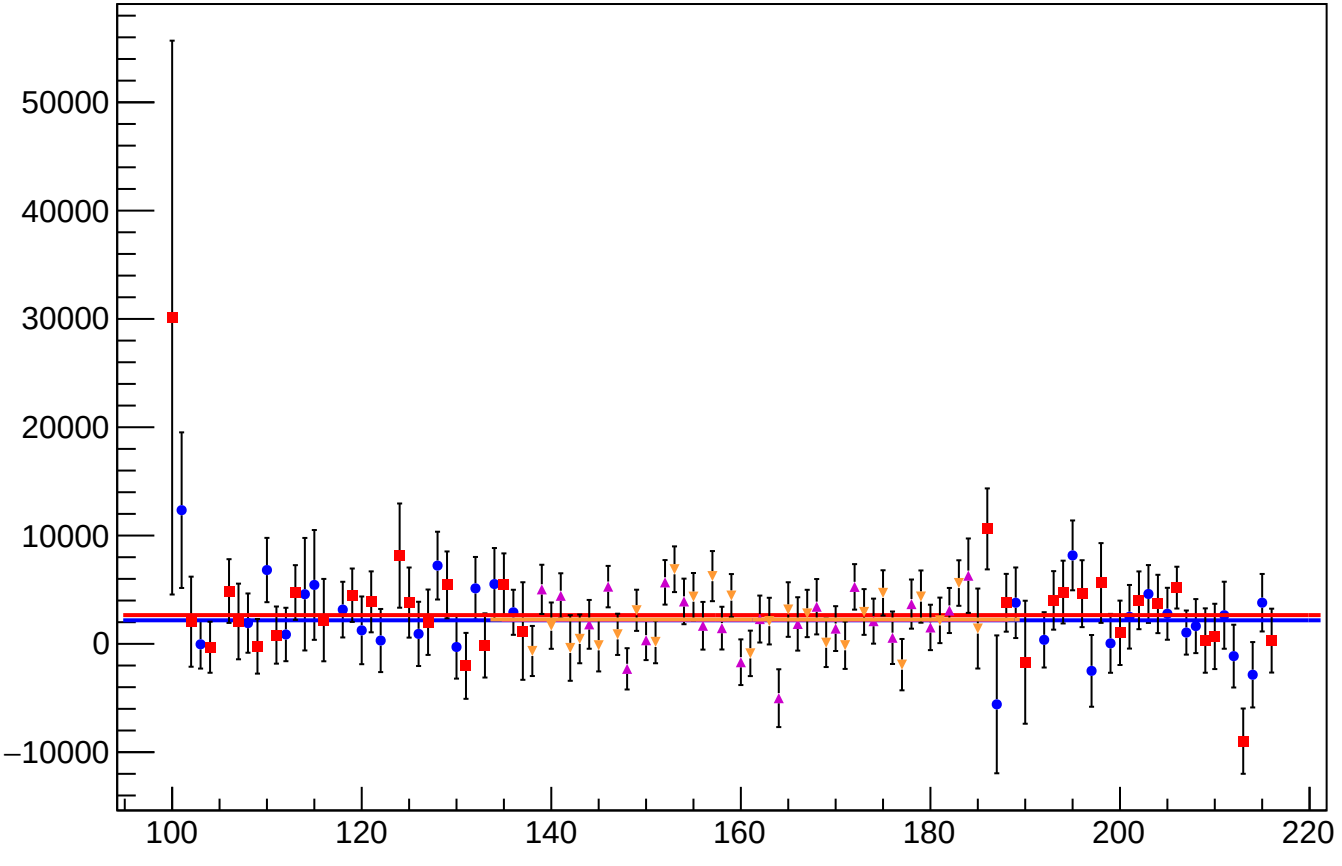
In: -49.404+/-184.808 χ^2/NDF:49.4/53

Out: -241.115+/-181.455 χ^2/NDF:70.3/58

All: -147.015+/-129.477 χ^2/NDF: 120.3/112


asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1208.198+/-0.211 χ²/NDF: 4952657.9/30
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1155.648+/-0.203 χ²/NDF: 6137706.0/33
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1180.945+/-0.146 χ²/NDF: 11122683.2/64
In: 1070.438+/-0.131 χ²/NDF:7209067.1/53
Out: 1064.159+/-0.128 χ²/NDF:8075427.5/58
All: 1067.241+/-0.092 χ²/NDF: 15285670.0/1

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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: 2653.728+/-513.672 χ^2/NDF: 39.5/33

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

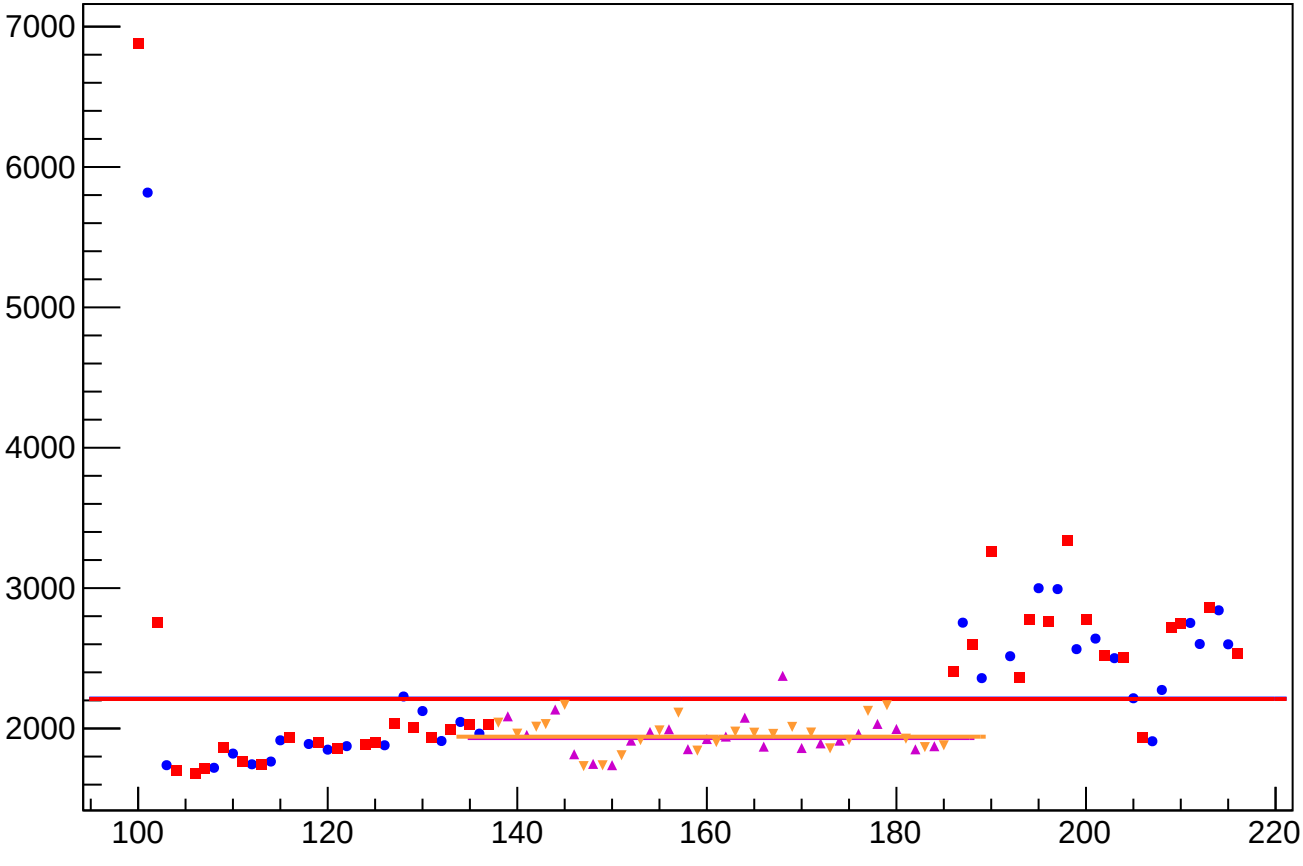
Right: 2415.317+/-364.118 χ^2/NDF: 66.6/64

In: 2199.917+/-340.186 χ^2/NDF:58.2/53

Out: 2423.217+/-335.132 χ^2/NDF:68.1/58

All: 2313.238+/-238.741 χ^2/NDF: 126.6/112

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: 2210.012+/-0.363 χ^2/NDF: 1476542.6/33

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

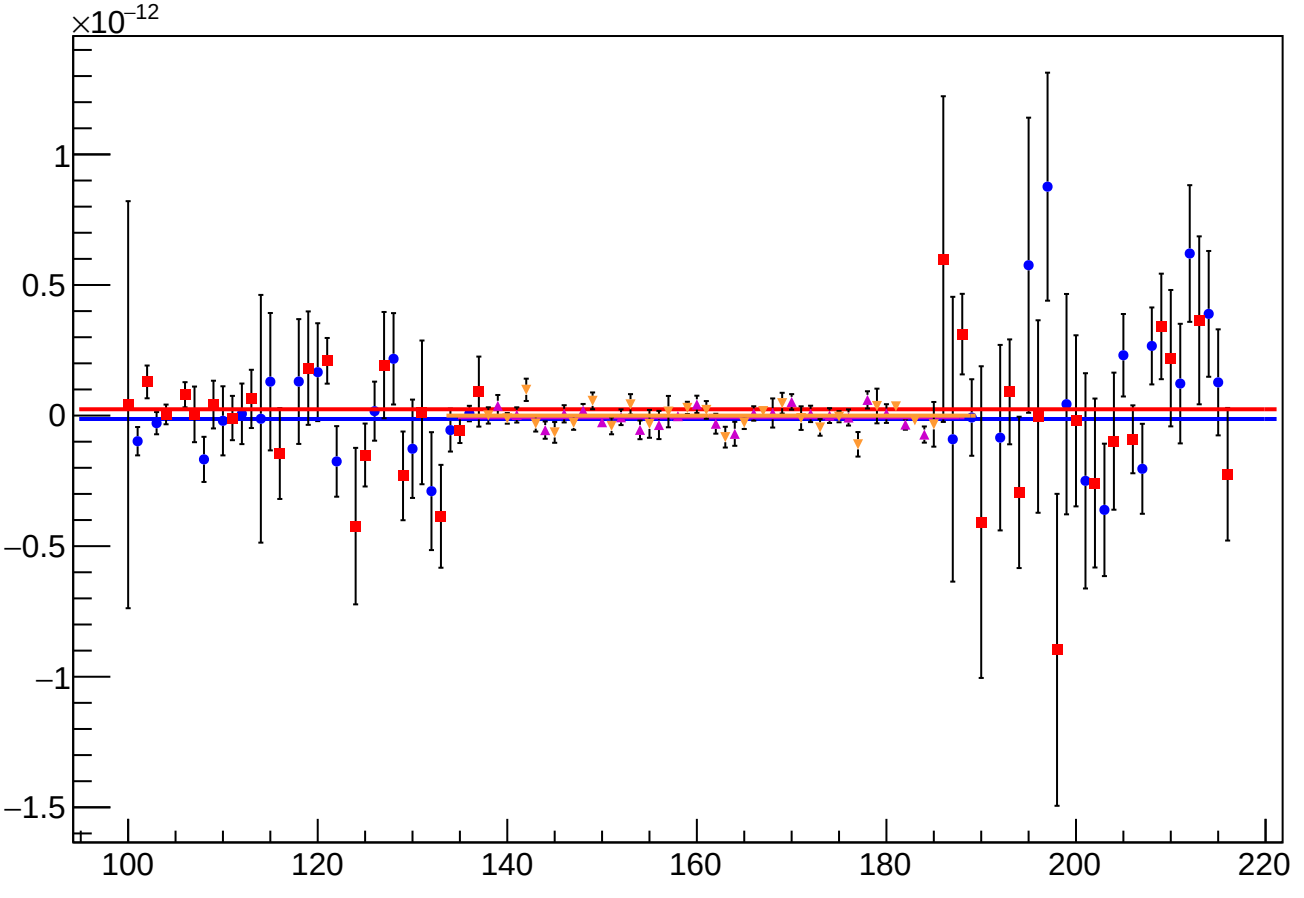
Right: 2211.470+/-0.257 χ^2/NDF: 3078797.0/64

In: 2053.901+/-0.241 χ^2/NDF:2097671.1/53

Out: 2055.842+/-0.237 χ^2/NDF:1929235.3/58

All: 2054.886+/-0.169 χ^2/NDF: 4026939.5/11

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 40.9/33

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

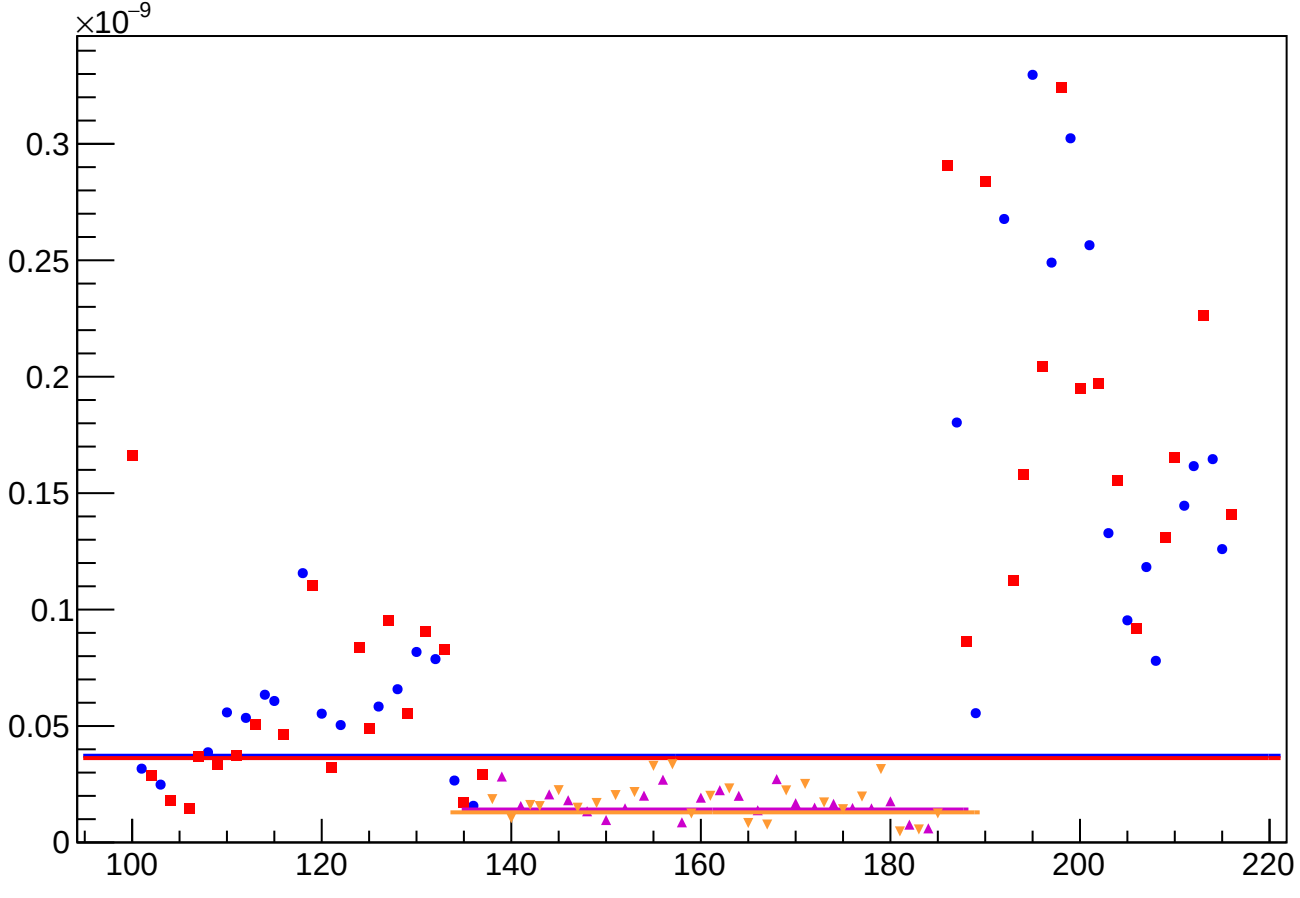
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 80.4/64

In: -0.000+/-0.000 χ^2/NDF:65.1/53

Out: 0.000+/-0.000 χ^2/NDF:82.8/58

All: -0.000+/-0.000 χ^2/NDF: 149.2/112



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: 8127388.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

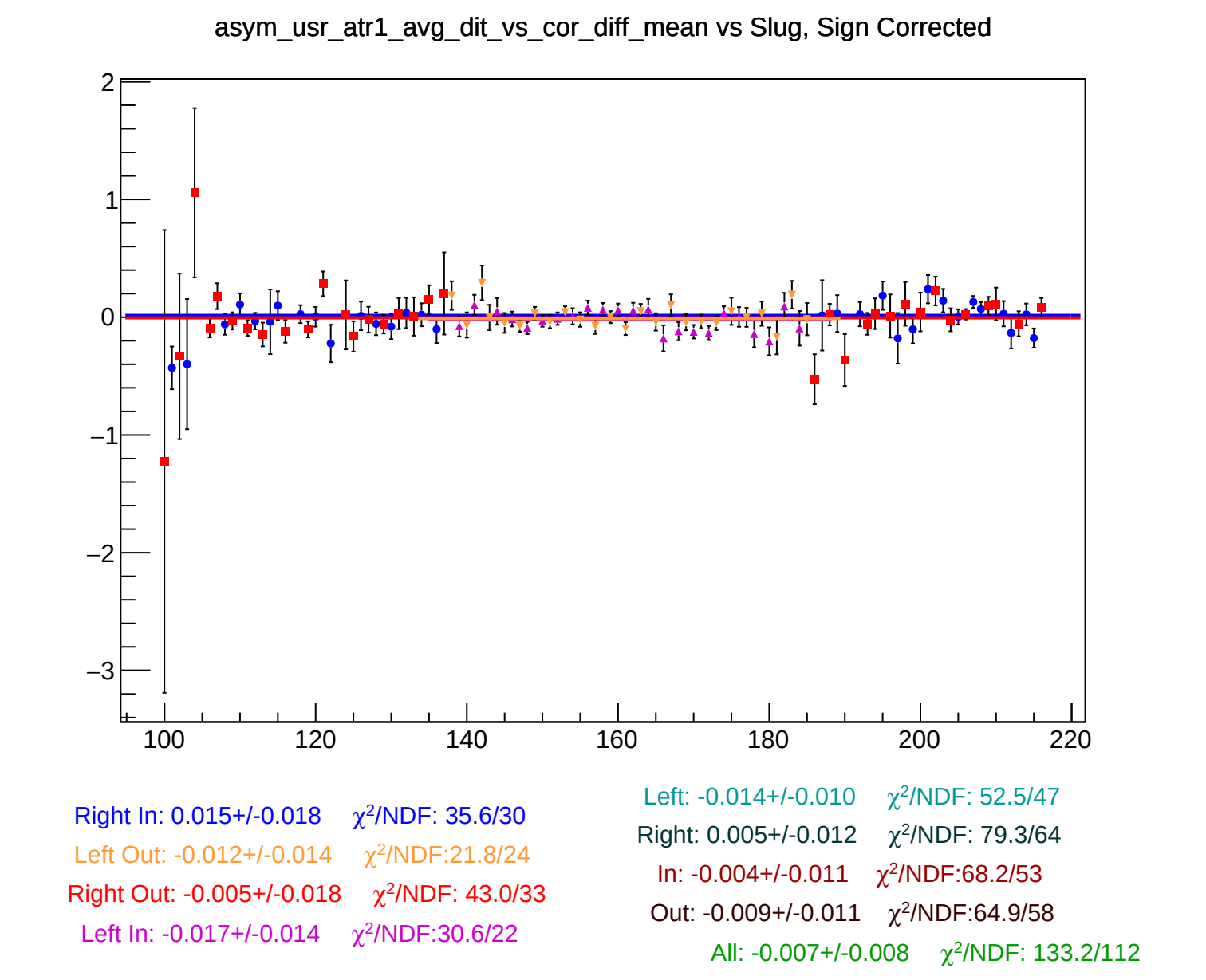
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

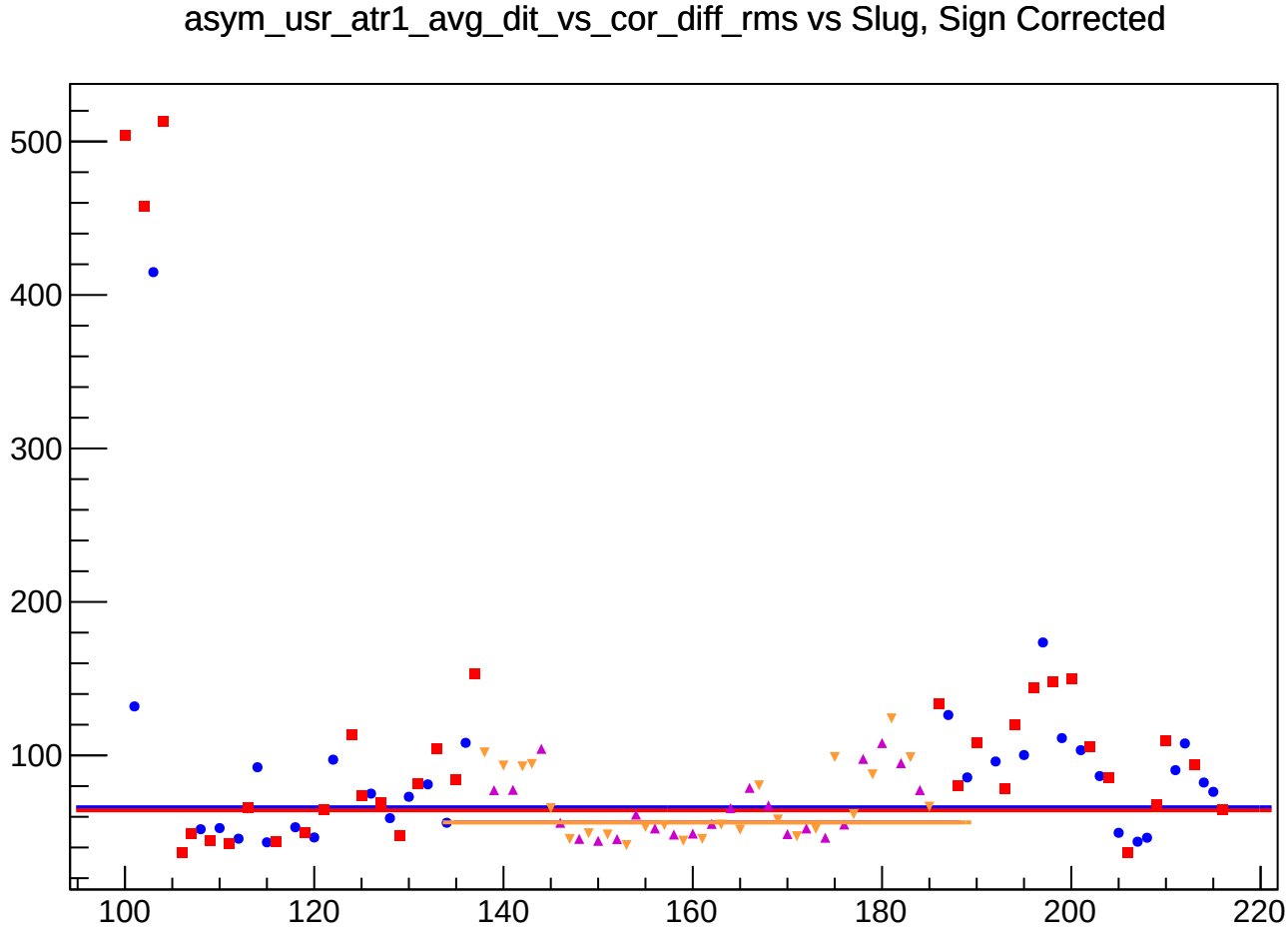
Right: 0.000+/-0.000 χ^2/NDF: 16423740.6/64

In: 0.000+/-0.000 χ^2/NDF:12704224.2/53

Out: 0.000+/-0.000 χ^2/NDF:13846525.8/58

All: 0.000+/-0.000 χ^2/NDF: 26626261.2/112


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: -0.005+/-0.018 χ²/NDF: 43.0/33
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.005+/-0.012 χ²/NDF: 79.3/64
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.009+/-0.011 χ²/NDF:64.9/58
All: -0.007+/-0.008 χ²/NDF: 133.2/112



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: 64.268+/-0.012 χ^2/NDF: 6404835.5/33

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

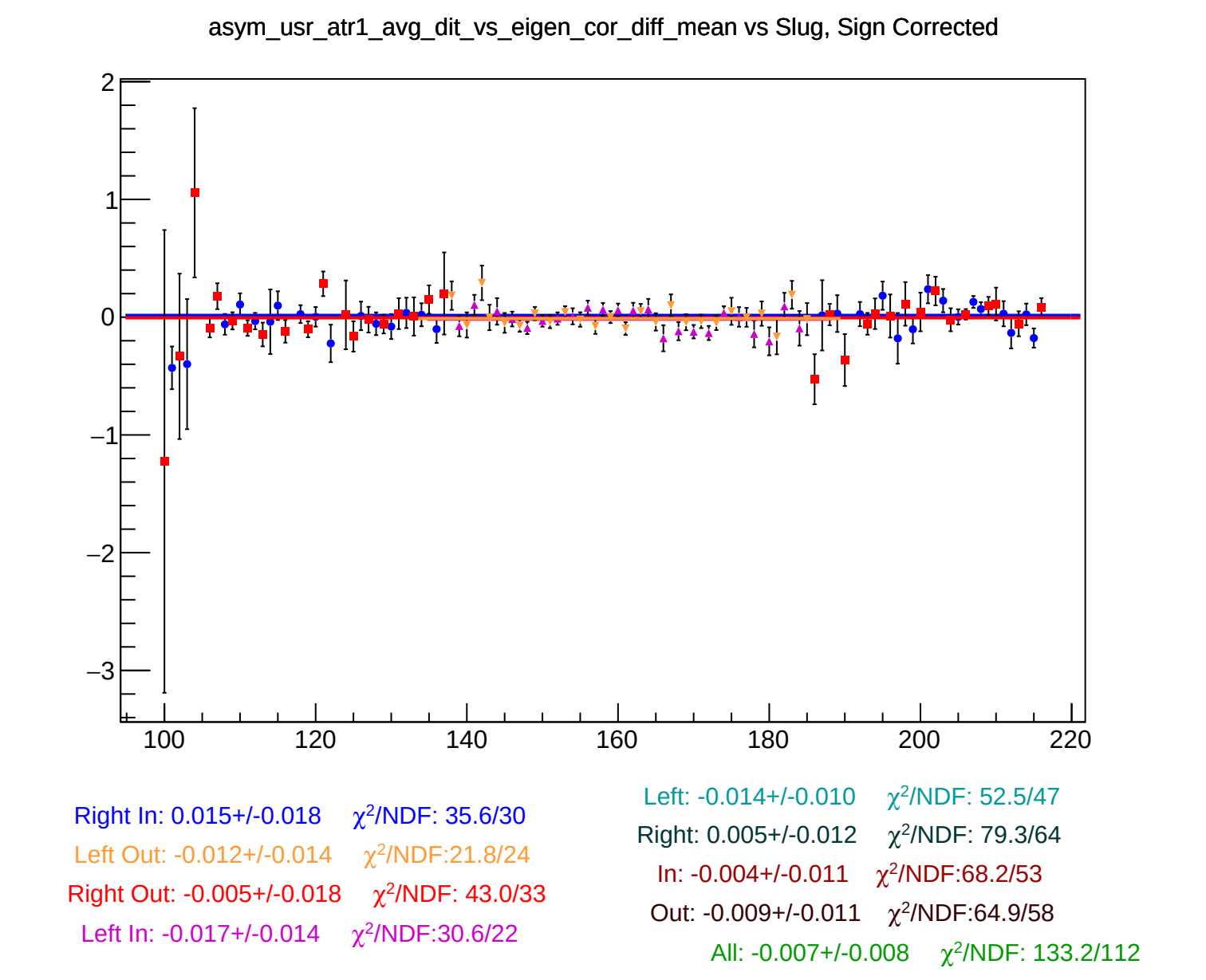
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.229+/-0.009 χ^2/NDF: 11055689.5/64

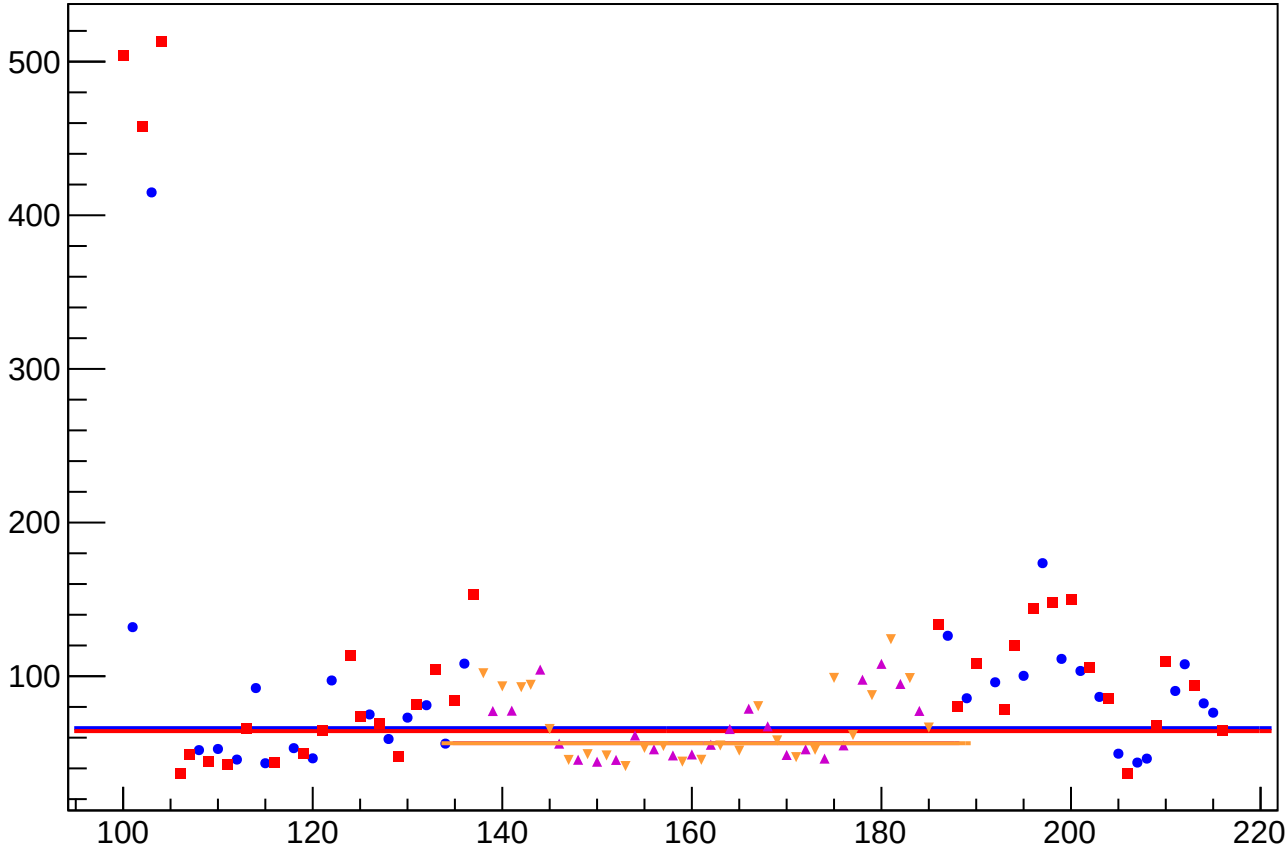
In: 60.397+/-0.008 χ^2/NDF:7143195.4/53

Out: 59.517+/-0.008 χ^2/NDF:9444308.2/58

All: 59.954+/-0.006 χ^2/NDF: 16593743.3/112


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: -0.005+/-0.018 χ²/NDF: 43.0/33
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.005+/-0.012 χ²/NDF: 79.3/64
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.009+/-0.011 χ²/NDF:64.9/58
All: -0.007+/-0.008 χ²/NDF: 133.2/112

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 64.268+/-0.012 χ^2/NDF: 6404835.5/33

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

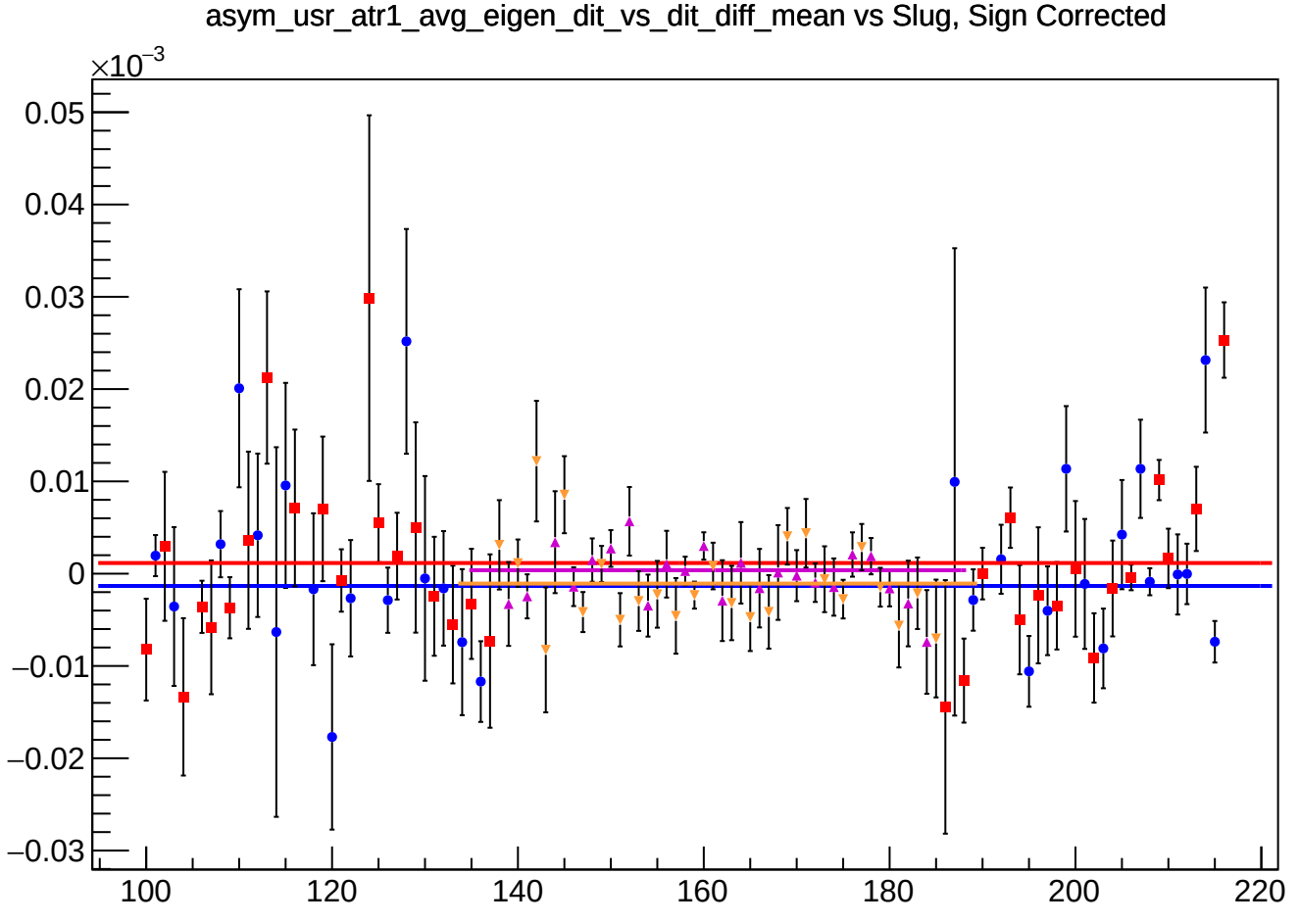
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 65.229+/-0.009 χ^2/NDF: 11055689.5/64

In: 60.397+/-0.008 χ^2/NDF:7143195.4/53

Out: 59.517+/-0.008 χ^2/NDF:9444308.2/58

All: 59.954+/-0.006 χ^2/NDF: 16593743.3/112



Right In: -0.000+/-0.000 χ^2/NDF: 60.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 97.3/33

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

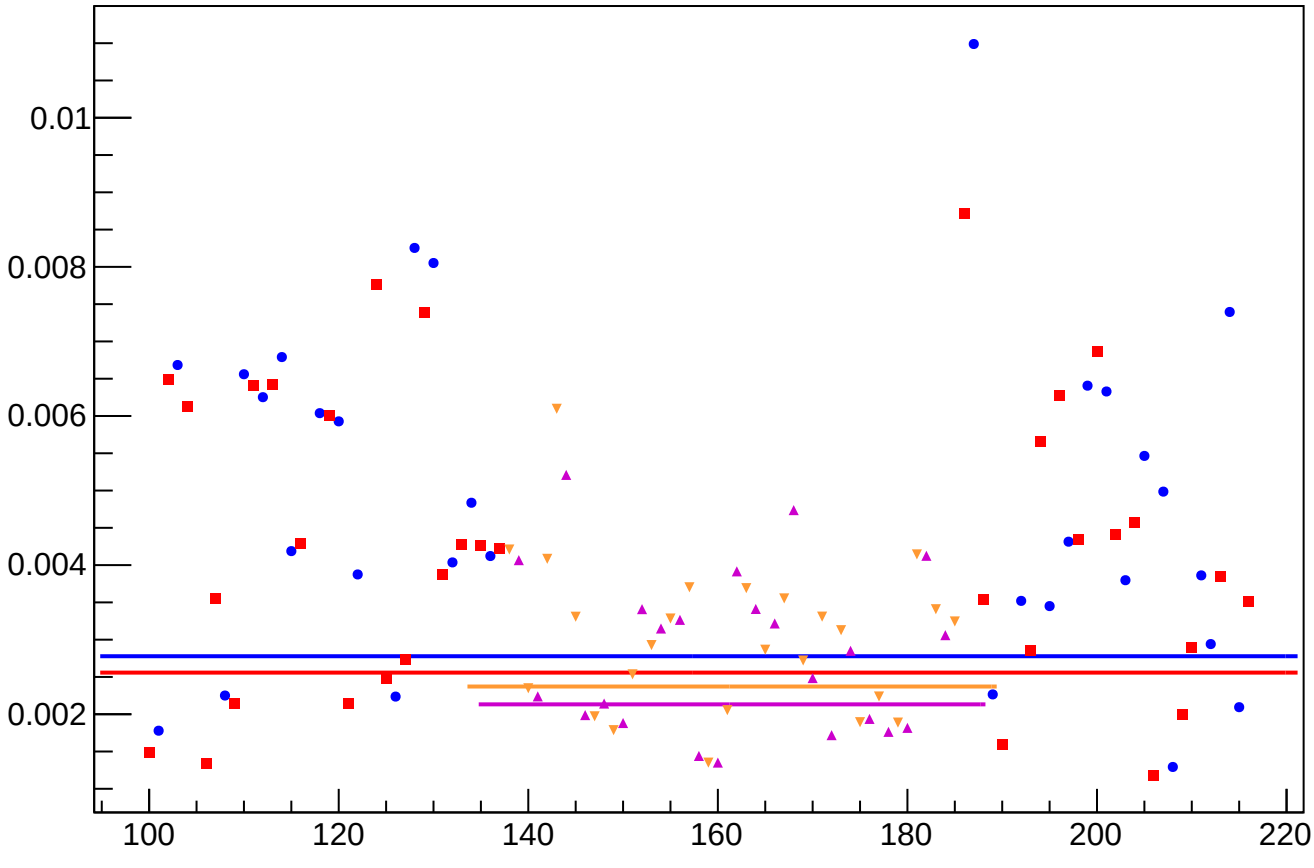
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 163.3/64

In: -0.000+/-0.000 χ^2/NDF:80.9/53

Out: -0.000+/-0.000 χ^2/NDF:134.9/58

All: -0.000+/-0.000 χ^2/NDF: 215.8/112



Right In: 0.003+/-0.000 χ^2/NDF: 9022045.5/30

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9241866.4/33

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

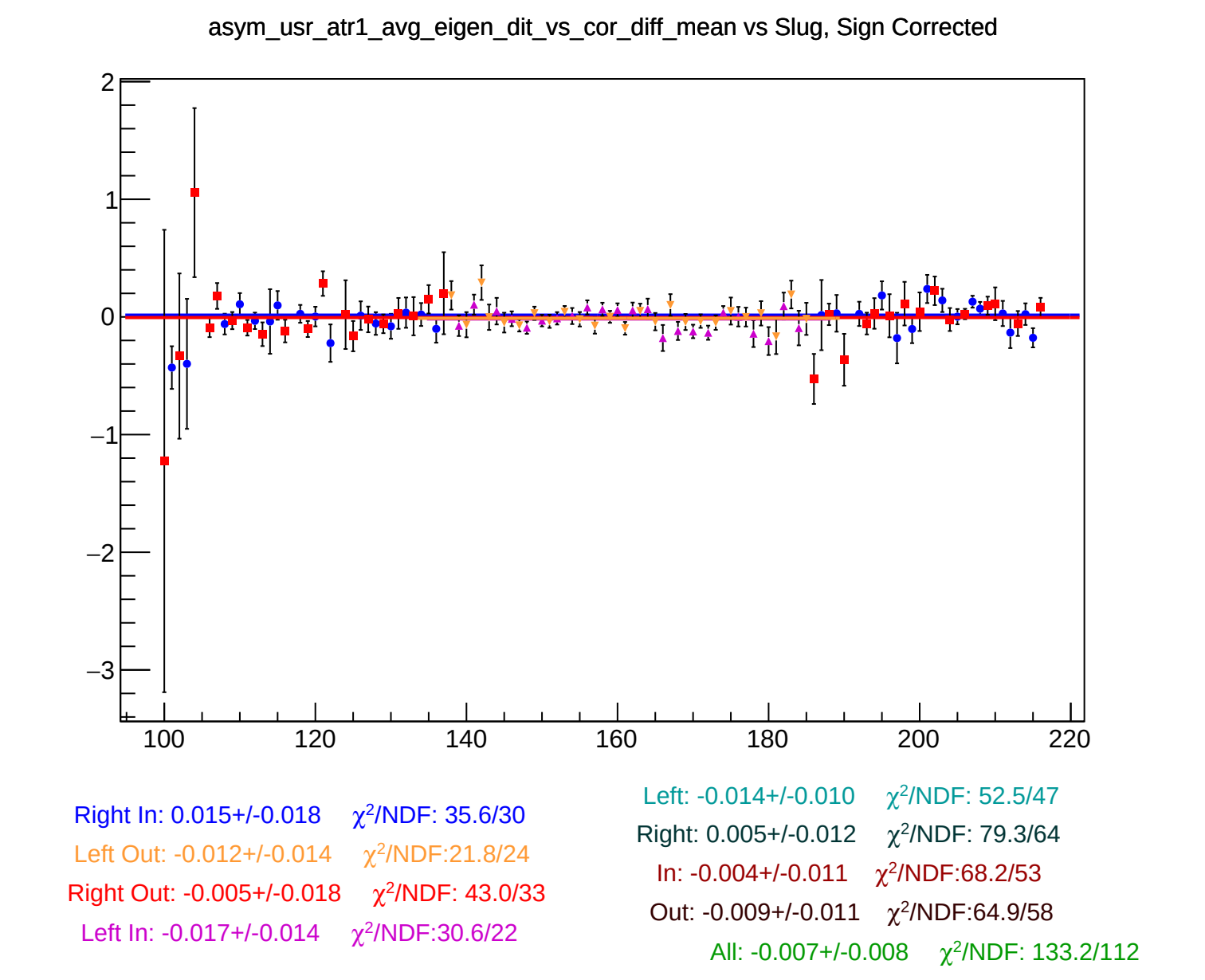
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 18356776.7/64

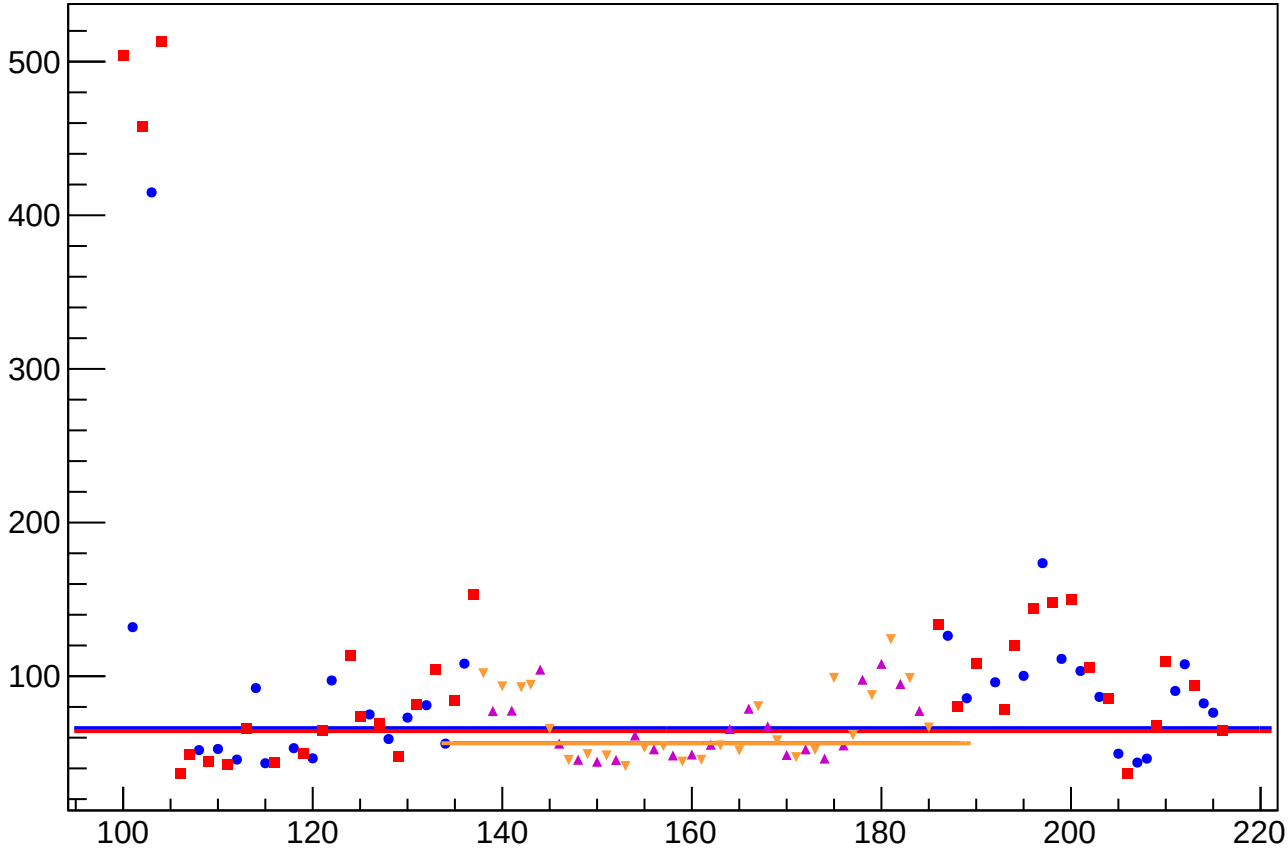
In: 0.002+/-0.000 χ^2/NDF:14538854.7/53

Out: 0.002+/-0.000 χ^2/NDF:13487008.7/58

All: 0.002+/-0.000 χ^2/NDF: 28069716.8/112


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: -0.005+/-0.018 χ²/NDF: 43.0/33
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.005+/-0.012 χ²/NDF: 79.3/64
In: -0.004+/-0.011 χ²/NDF:68.2/53
Out: -0.009+/-0.011 χ²/NDF:64.9/58
All: -0.007+/-0.008 χ²/NDF: 133.2/112

asym_usr_atr1_avg_eigen_dit_vs_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: 64.268+/-0.012 χ^2/NDF: 6404881.6/33

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

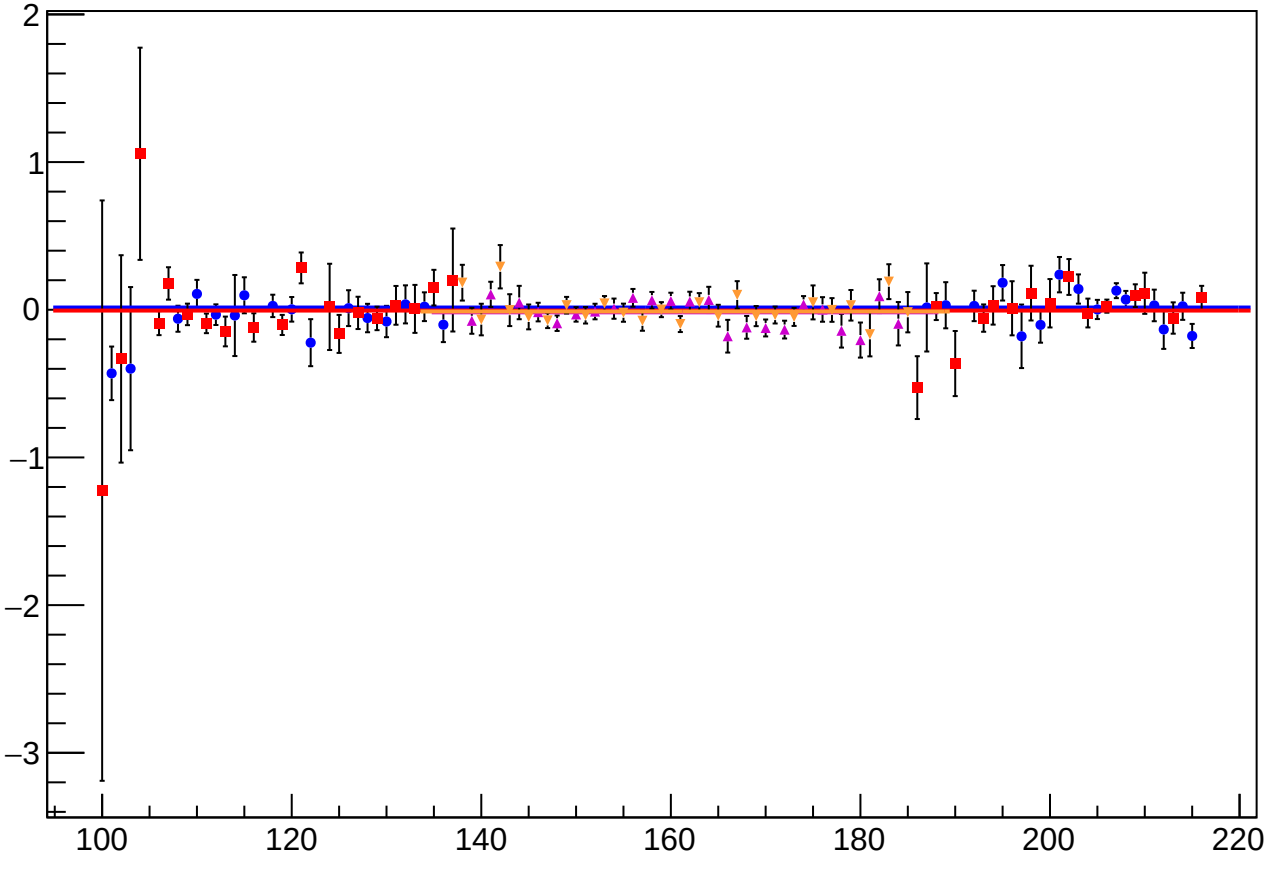
Right: 65.229+/-0.009 χ^2/NDF: 11055701.3/64

In: 60.397+/-0.008 χ^2/NDF:7143112.7/53

Out: 59.517+/-0.008 χ^2/NDF:9444390.7/58

All: 59.954+/-0.006 χ^2/NDF: 16593743.3/112

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: -0.005+/-0.018 χ^2/NDF: 43.0/33

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

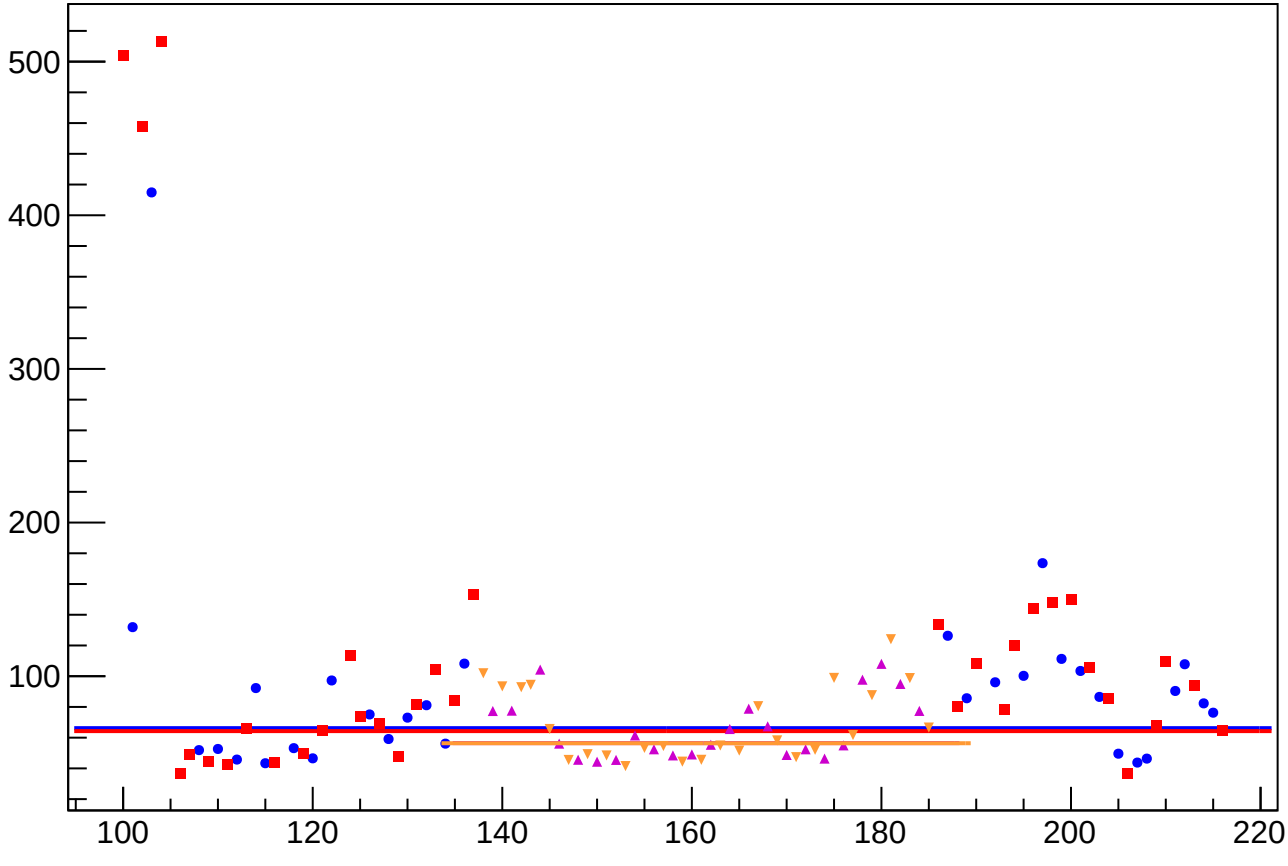
Right: 0.005+/-0.012 χ^2/NDF: 79.3/64

In: -0.004+/-0.011 χ^2/NDF:68.2/53

Out: -0.009+/-0.011 χ^2/NDF:64.9/58

All: -0.007+/-0.008 χ^2/NDF: 133.2/112

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: 64.268+/-0.012 χ^2/NDF: 6404881.6/33

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

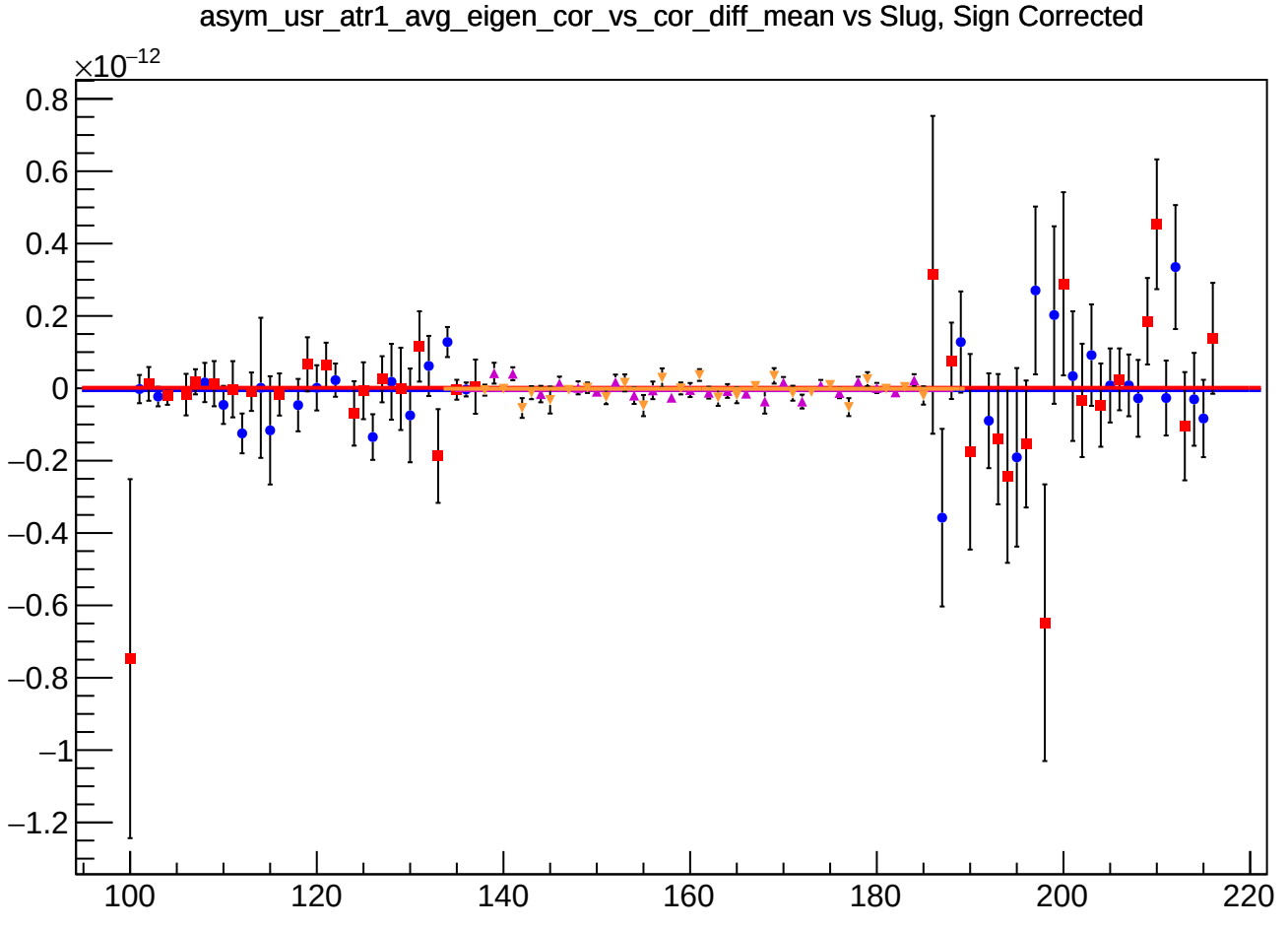
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 65.229+/-0.009 χ^2/NDF: 11055701.3/64

In: 60.397+/-0.008 χ^2/NDF:7143112.7/53

Out: 59.517+/-0.008 χ^2/NDF:9444390.7/58

All: 59.954+/-0.006 χ^2/NDF: 16593743.3/112



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/30

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/33

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

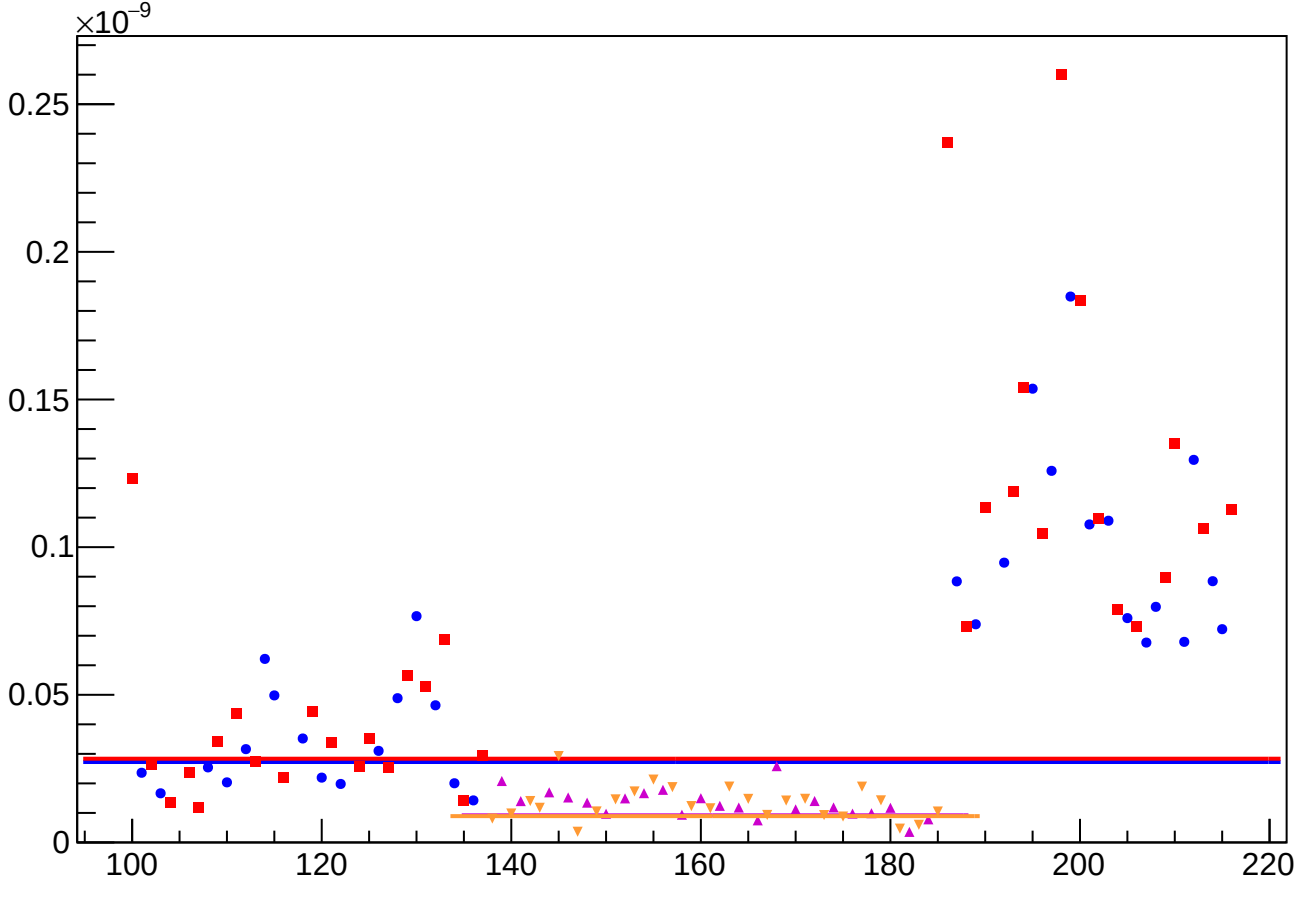
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 62.1/64

In: -0.000+/-0.000 χ^2/NDF:62.2/53

Out: -0.000+/-0.000 χ^2/NDF:57.8/58

All: -0.000+/-0.000 χ^2/NDF: 120.9/112



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: 10287729.2/33

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

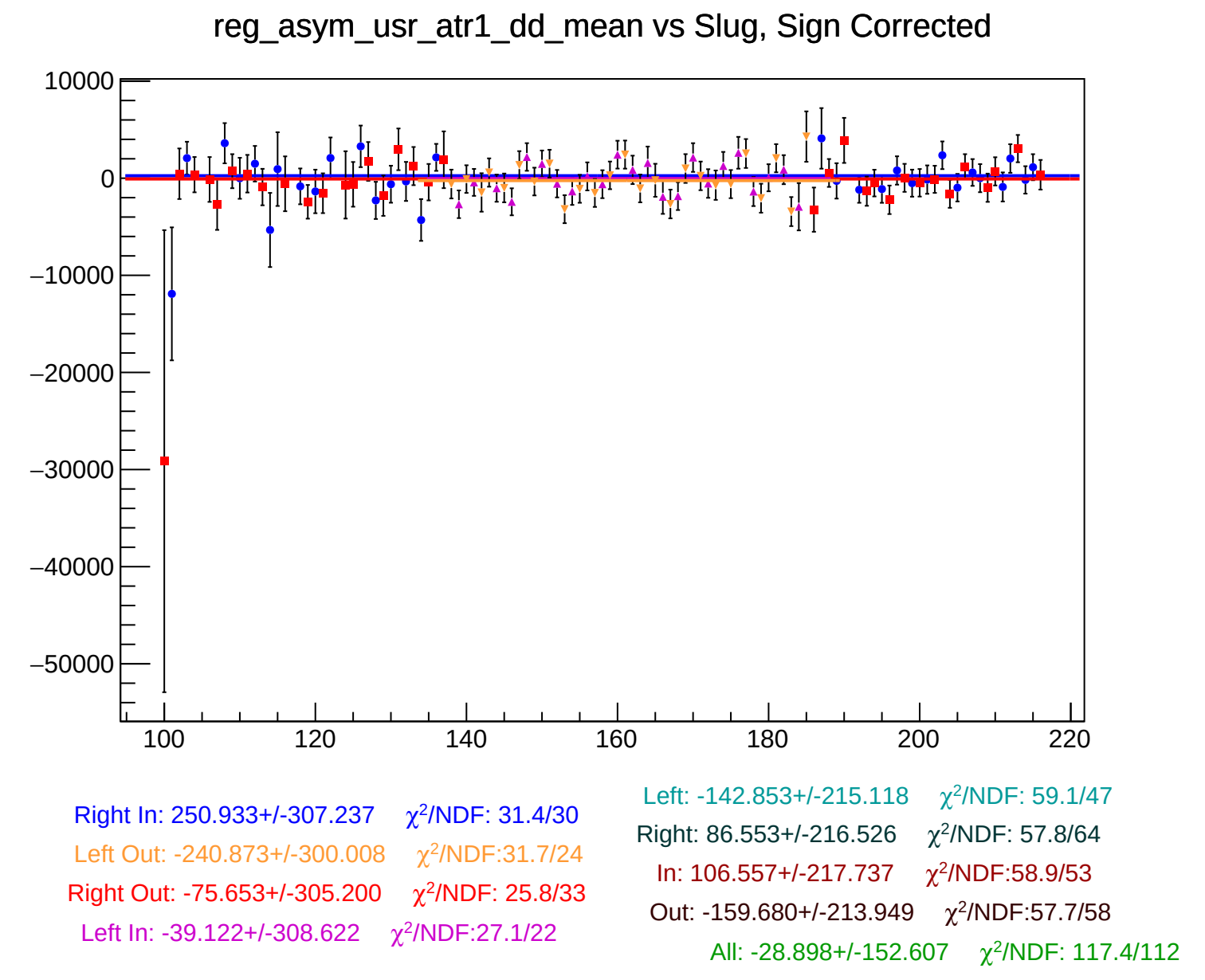
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 19221588.2/64

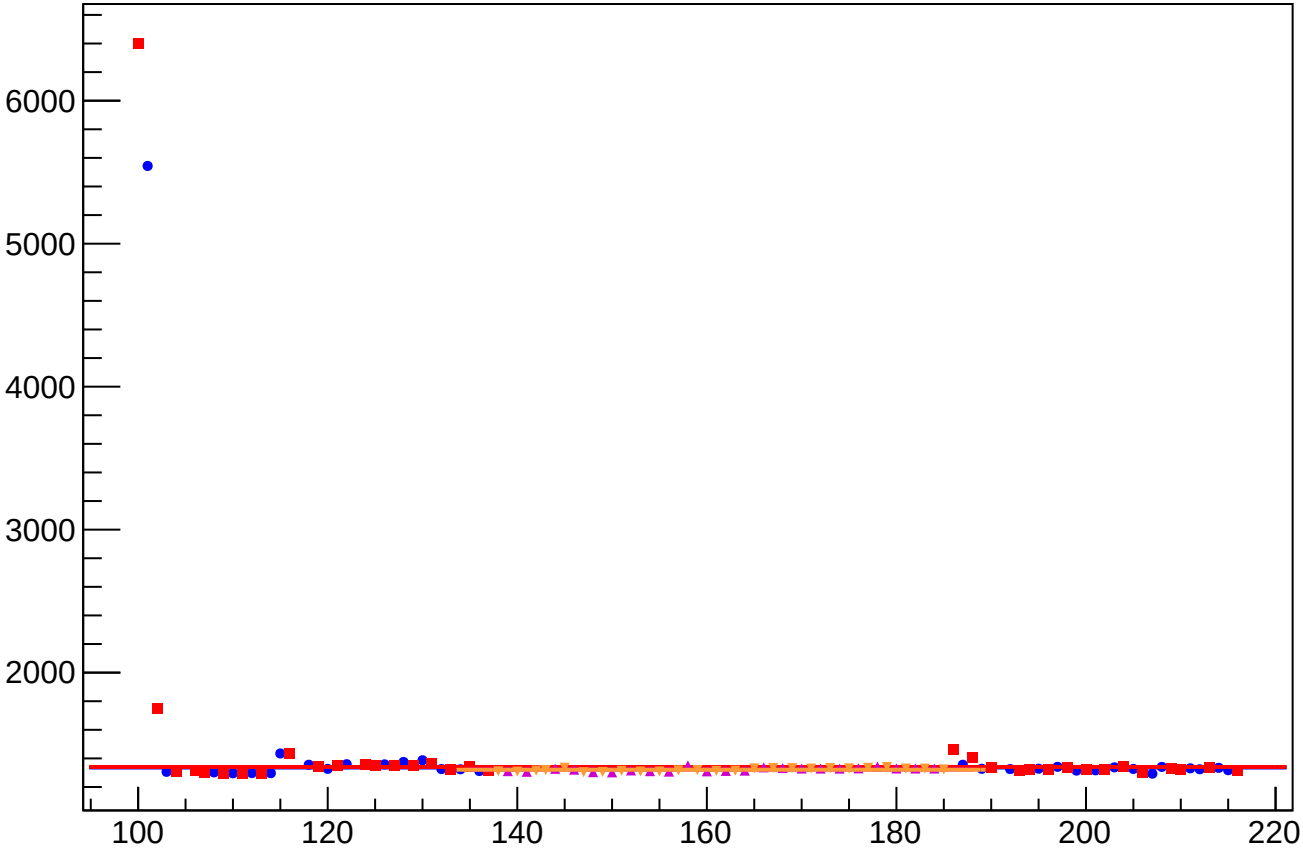
In: 0.000+/-0.000 χ^2/NDF:19270468.1/53

Out: 0.000+/-0.000 χ^2/NDF:20816596.3/58

All: 0.000+/-0.000 χ^2/NDF: 40105295.5/112


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: -75.653+/-305.200 χ²/NDF: 25.8/33
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: 86.553+/-216.526 χ²/NDF: 57.8/64
In: 106.557+/-217.737 χ²/NDF:58.9/53
Out: -159.680+/-213.949 χ²/NDF:57.7/58
All: -28.898+/-152.607 χ²/NDF: 117.4/112

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: 1340.039+/-0.216 χ^2/NDF: 162595.5/33

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

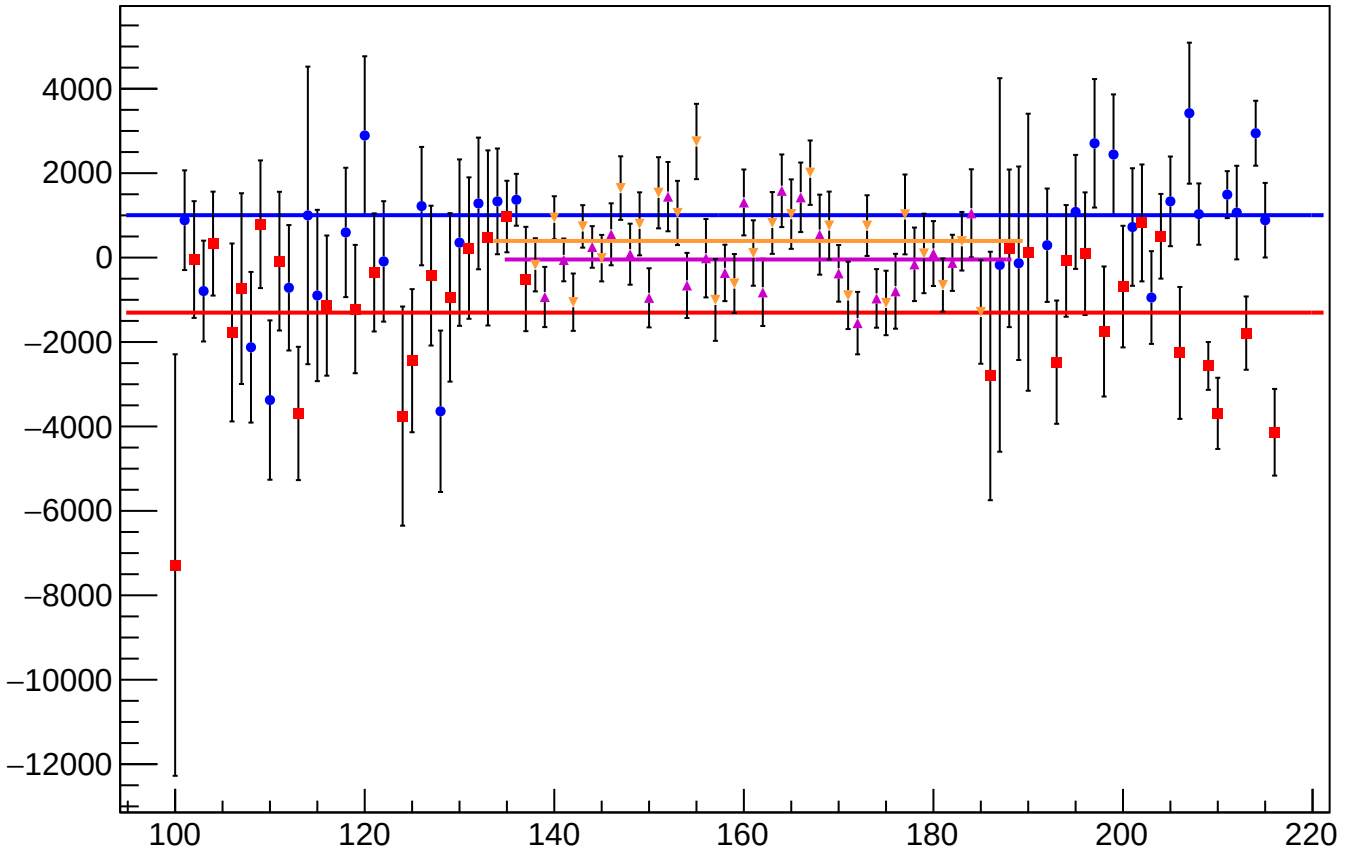
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.245+/-0.153 χ^2/NDF: 929814.8/64

In: 1329.138+/-0.154 χ^2/NDF:772895.2/53

Out: 1330.224+/-0.151 χ^2/NDF:169264.7/58

All: 1329.690+/-0.108 χ^2/NDF: 942185.2/112



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: -1303.586+/-226.207 χ^2/NDF: 50.9/33

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

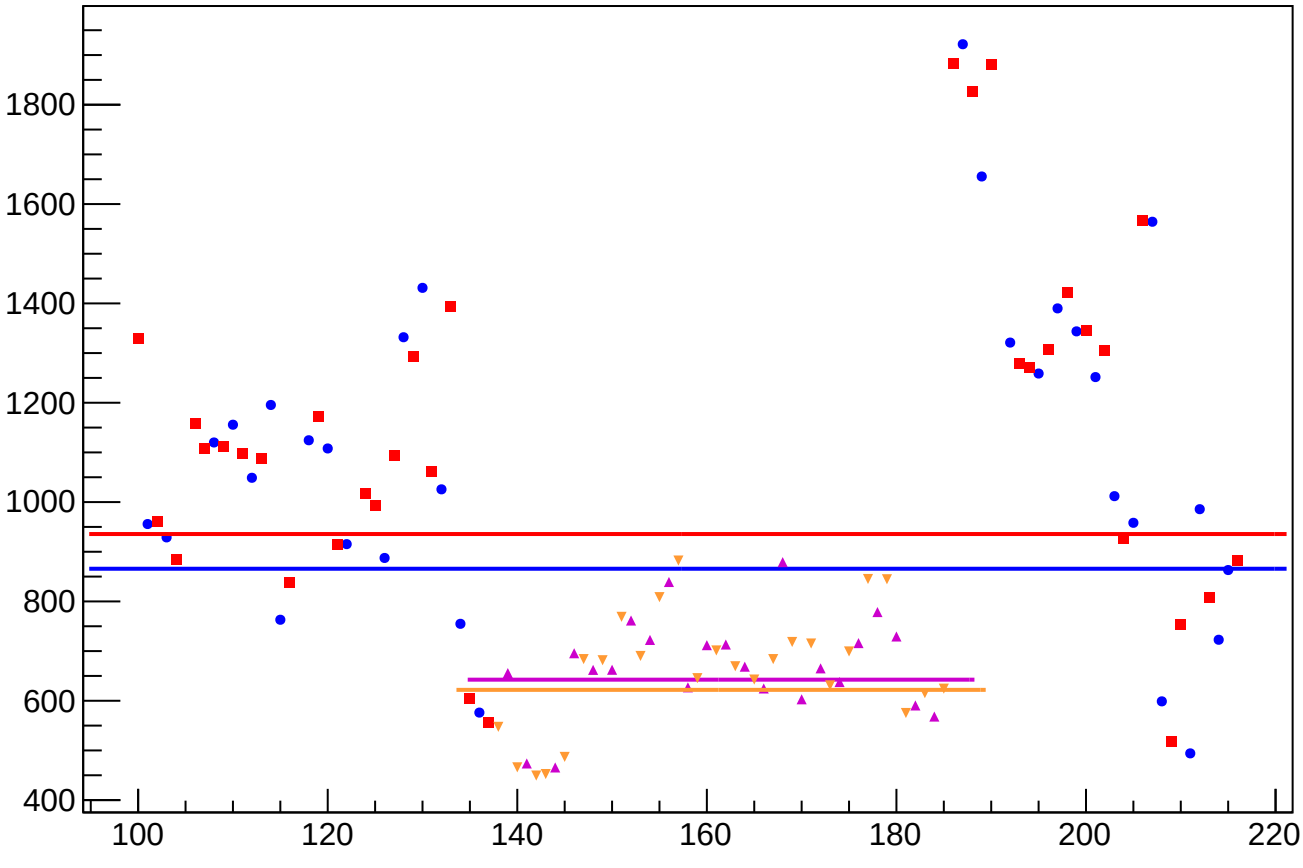
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -68.183+/-154.218 χ^2/NDF: 143.2/64

In: 315.247+/-123.469 χ^2/NDF:80.4/53

Out: -97.874+/-121.812 χ^2/NDF:132.8/58

All: 105.896+/-86.714 χ^2/NDF: 218.8/112



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: 935.675+/-0.160 χ^2/NDF: 4117975.9/33

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

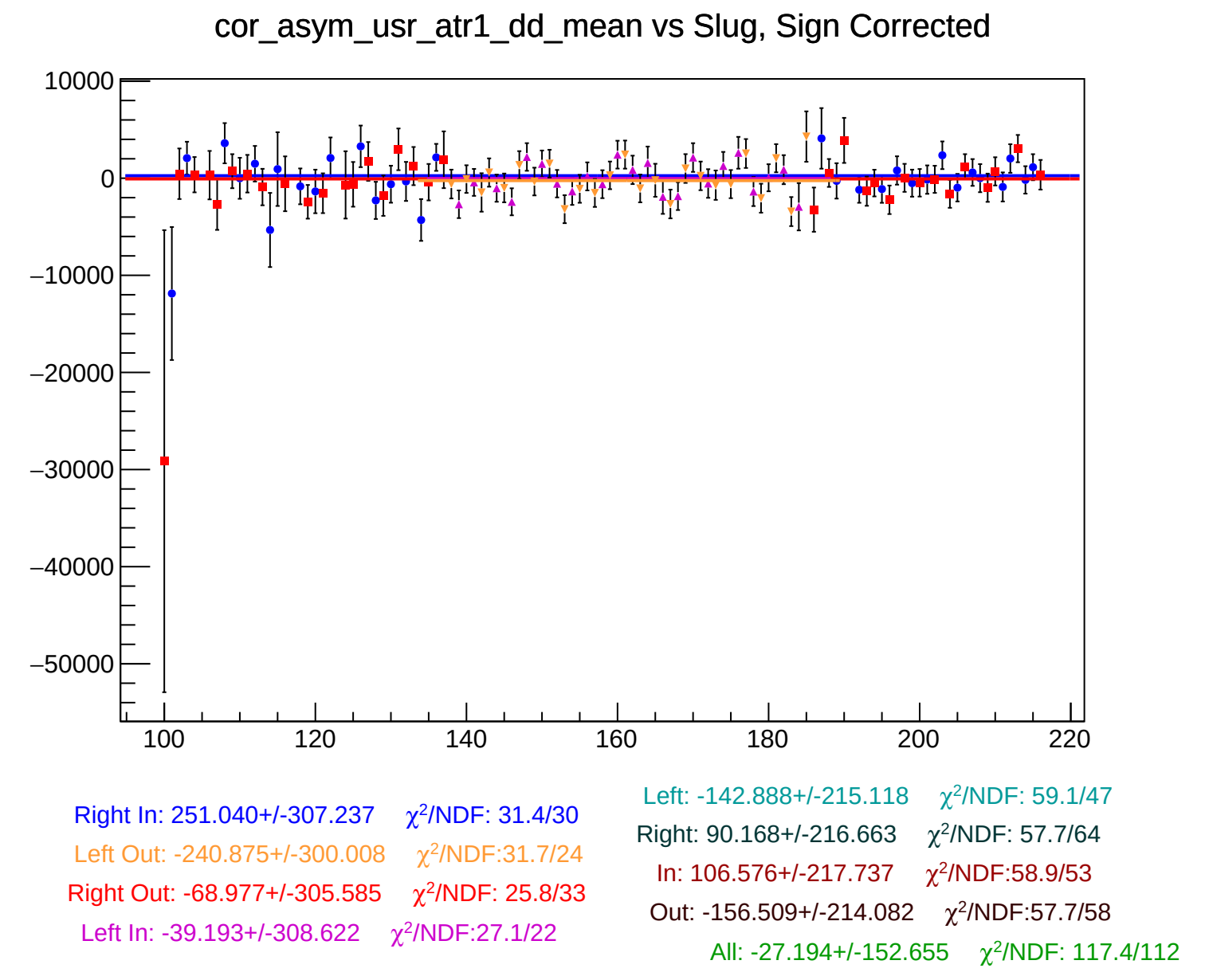
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 898.274+/-0.109 χ^2/NDF: 8259836.9/64

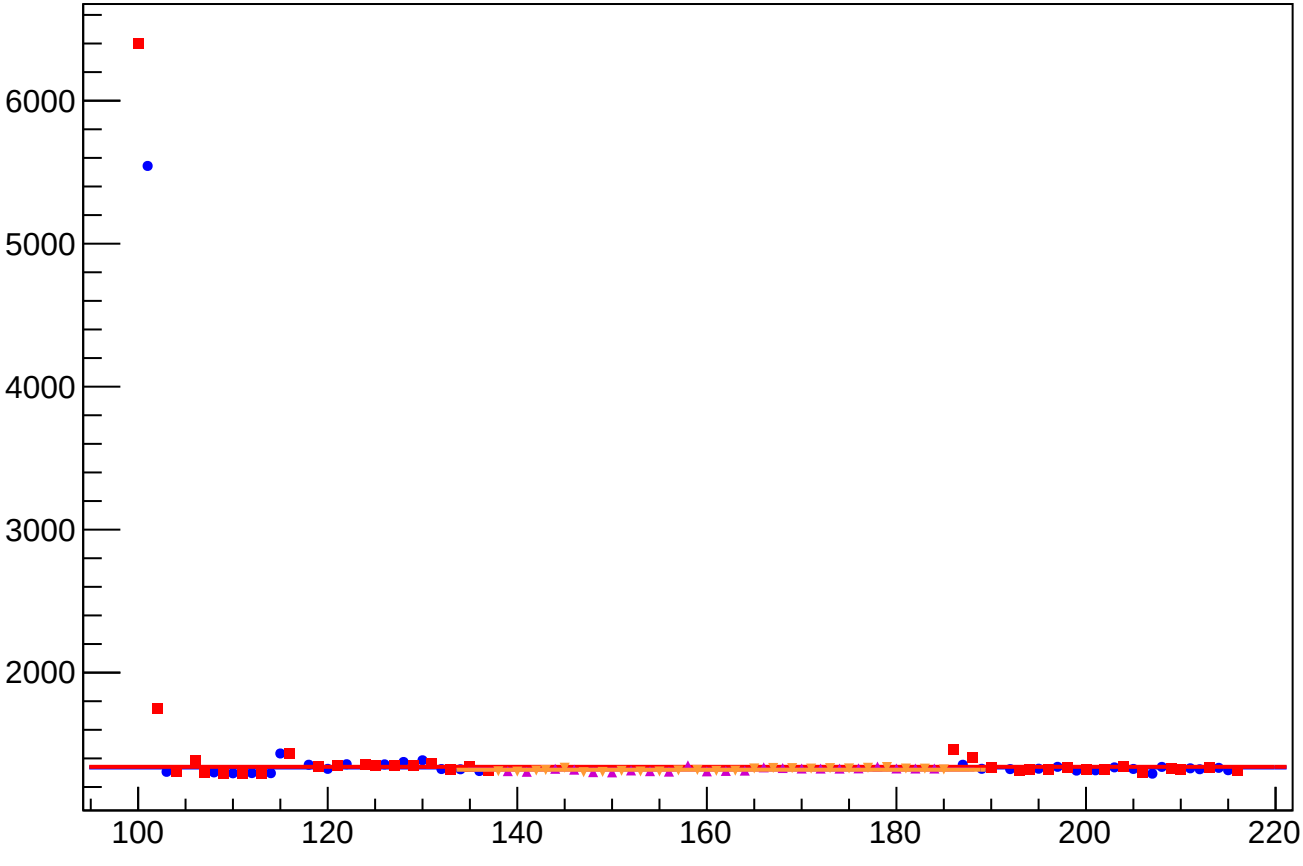
In: 719.083+/-0.087 χ^2/NDF:6440647.1/53

Out: 712.924+/-0.086 χ^2/NDF:8232867.3/58

All: 715.962+/-0.061 χ^2/NDF: 14676036.2/11


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 251.040+/-307.237 χ²/NDF: 31.4/30
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -68.977+/-305.585 χ²/NDF: 25.8/33
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 90.168+/-216.663 χ²/NDF: 57.7/64
In: 106.576+/-217.737 χ²/NDF:58.9/53
Out: -156.509+/-214.082 χ²/NDF:57.7/58
All: -27.194+/-152.655 χ²/NDF: 117.4/112

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: 1341.165+/-0.216 χ^2/NDF: 163141.1/33

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

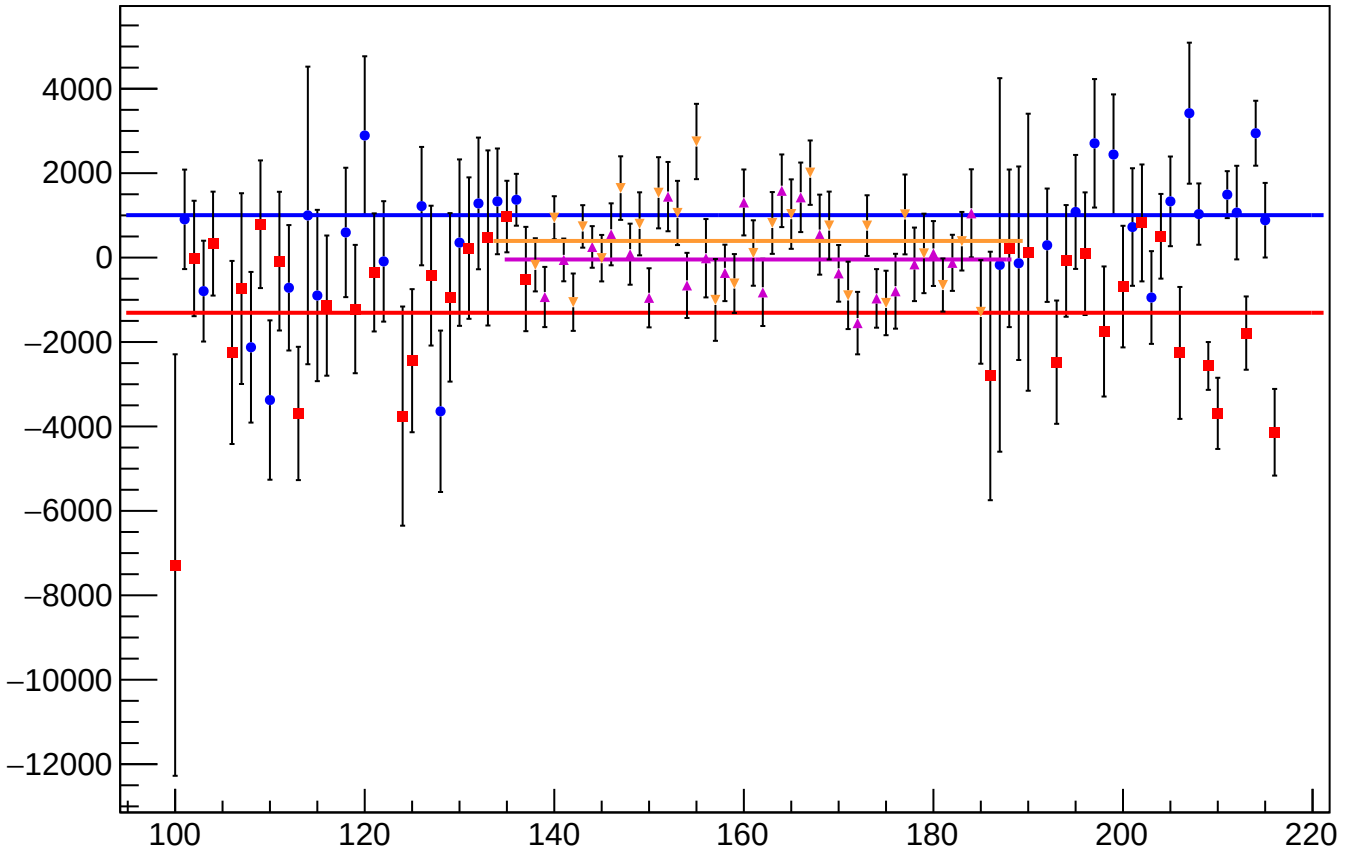
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.809+/-0.153 χ^2/NDF: 930459.5/64

In: 1329.138+/-0.154 χ^2/NDF:772894.2/53

Out: 1330.765+/-0.151 χ^2/NDF:170293.0/58

All: 1329.965+/-0.108 χ^2/NDF: 943244.0/112



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: -1307.046+/-226.208 χ^2/NDF: 51.1/33

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

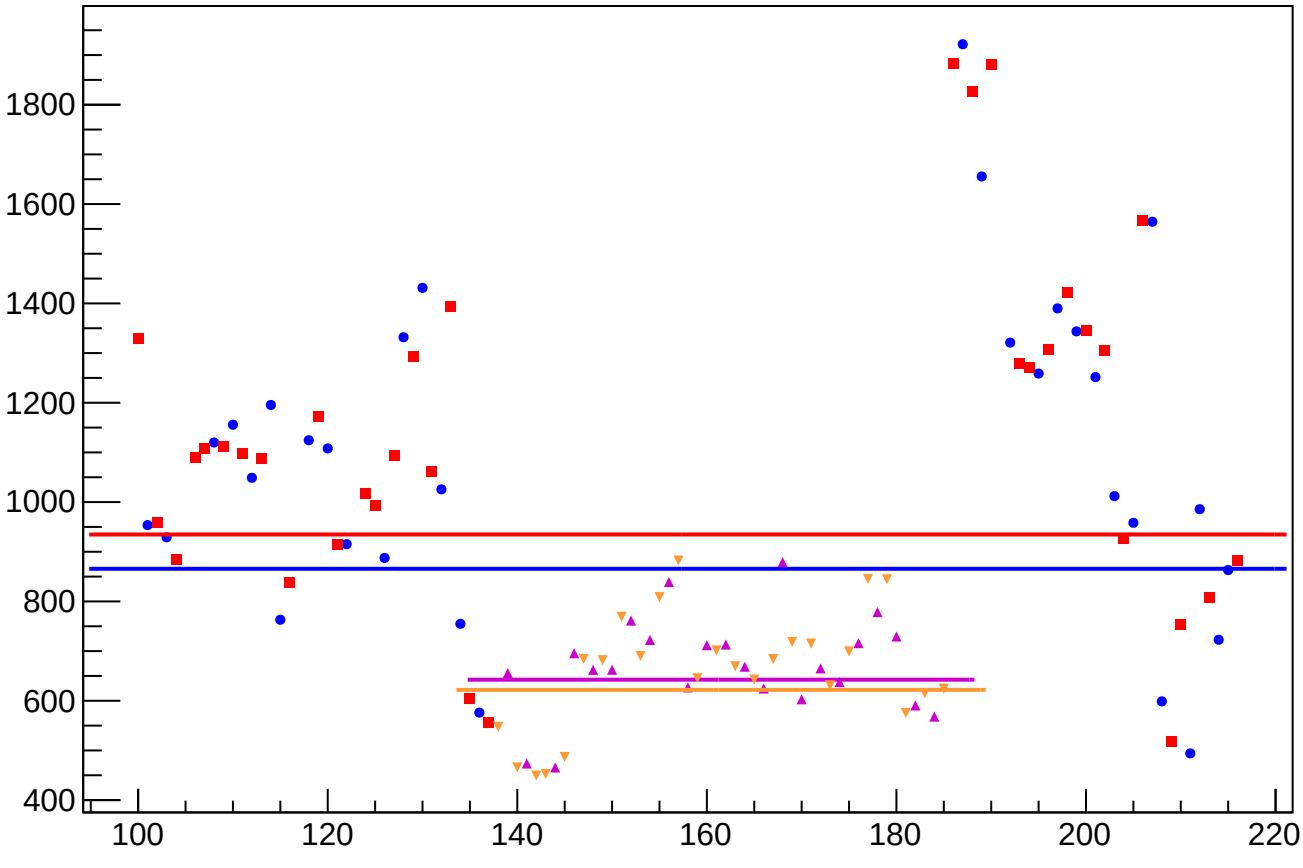
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -69.368+/-154.213 χ^2/NDF: 143.6/64

In: 315.502+/-123.465 χ^2/NDF:80.4/53

Out: -98.894+/-121.812 χ^2/NDF:133.1/58

All: 105.510+/-86.713 χ^2/NDF: 219.3/112



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: 934.770+/-0.160 χ^2/NDF: 4105969.1/33

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

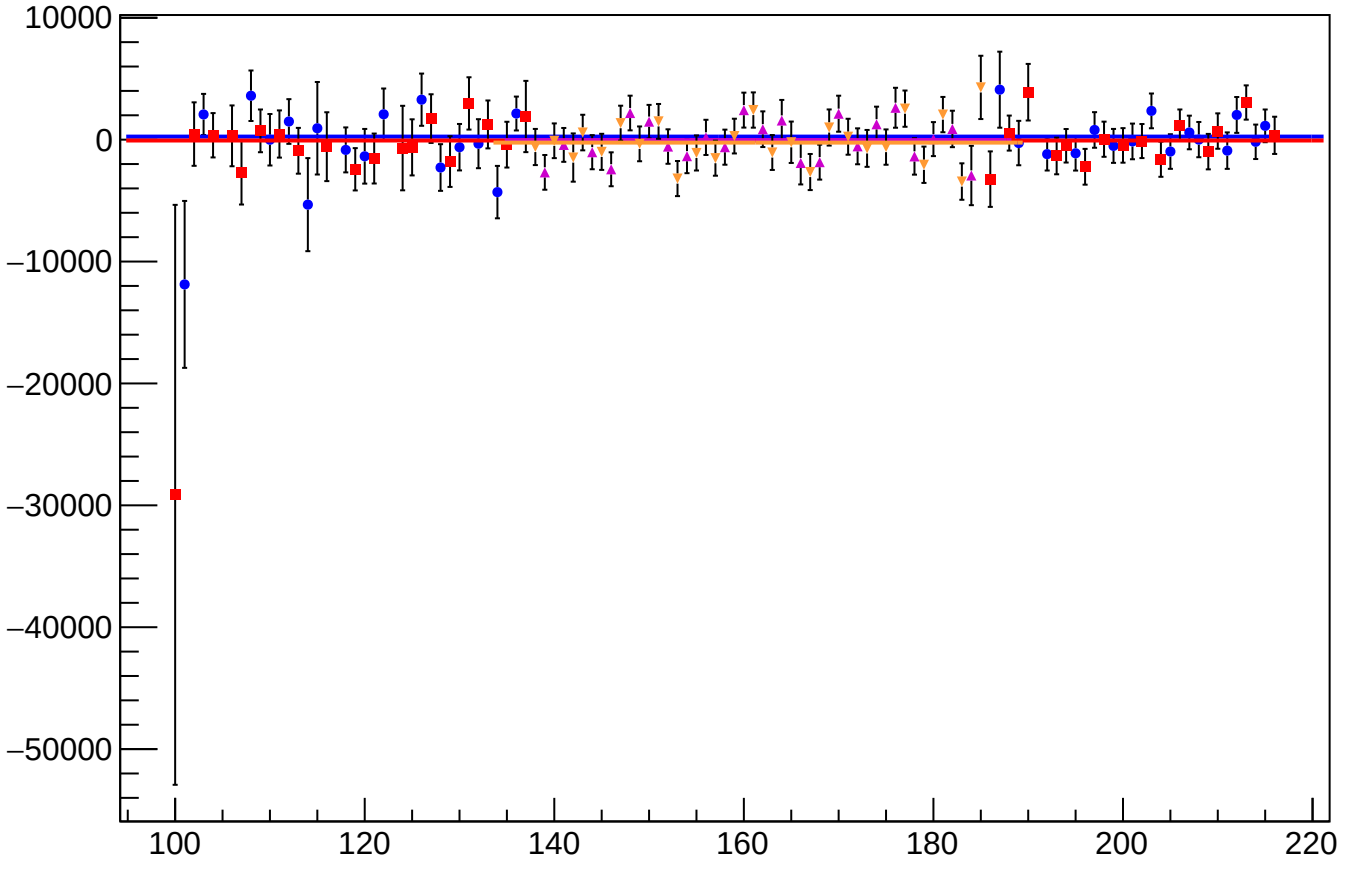
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 897.822+/-0.109 χ^2/NDF: 8245003.9/64

In: 719.067+/-0.087 χ^2/NDF:6439818.8/53

Out: 712.661+/-0.086 χ^2/NDF:8205003.2/58

All: 715.821+/-0.061 χ^2/NDF: 14647550.7/11



Right In: 251.040+/-307.237 χ^2/NDF: 31.4/30

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -68.977+/-305.585 χ^2/NDF: 25.8/33

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

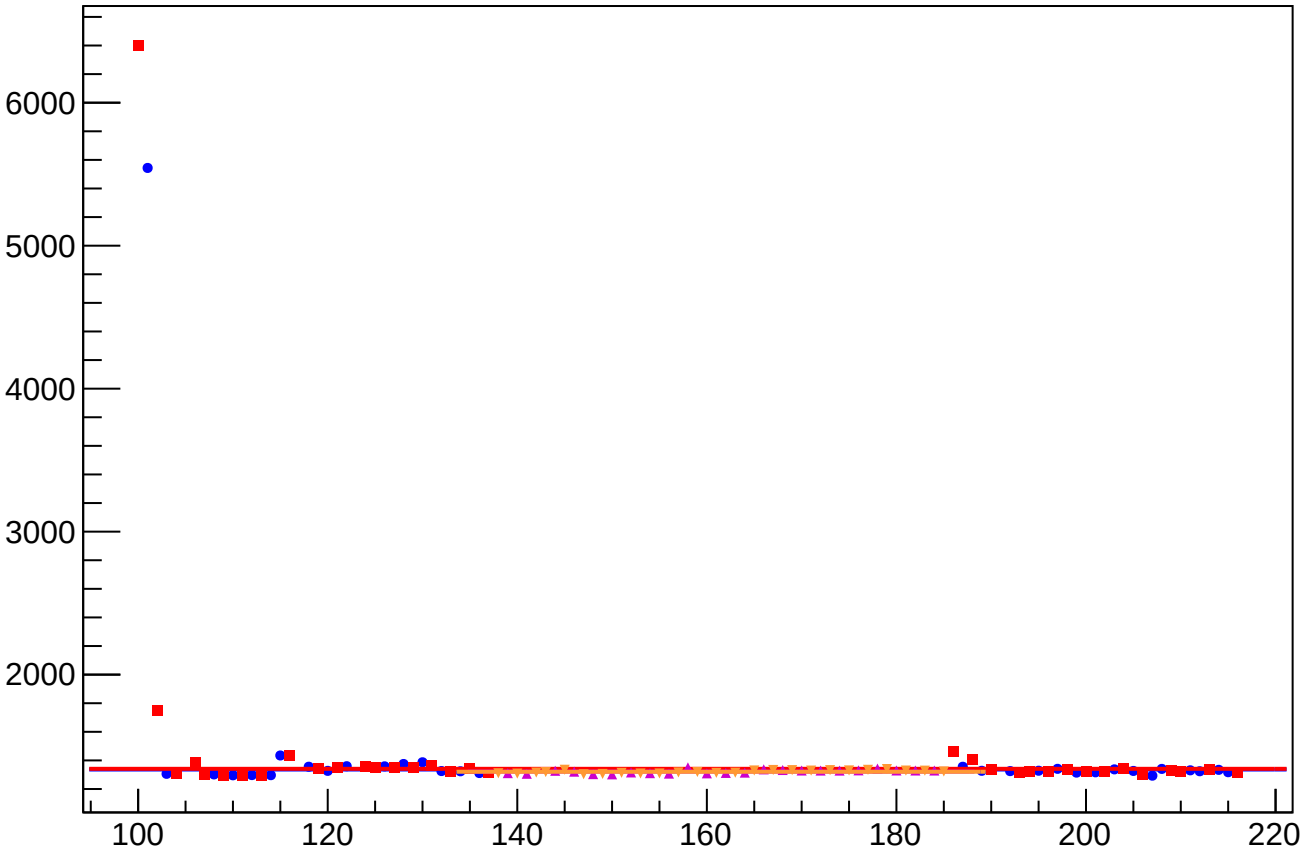
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 90.168+/-216.663 χ^2/NDF: 57.7/64

In: 106.576+/-217.737 χ^2/NDF:58.9/53

Out: -156.509+/-214.082 χ^2/NDF:57.7/58

All: -27.194+/-152.655 χ^2/NDF: 117.4/112



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: 1341.165+/-0.216 χ^2/NDF: 163141.1/33

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

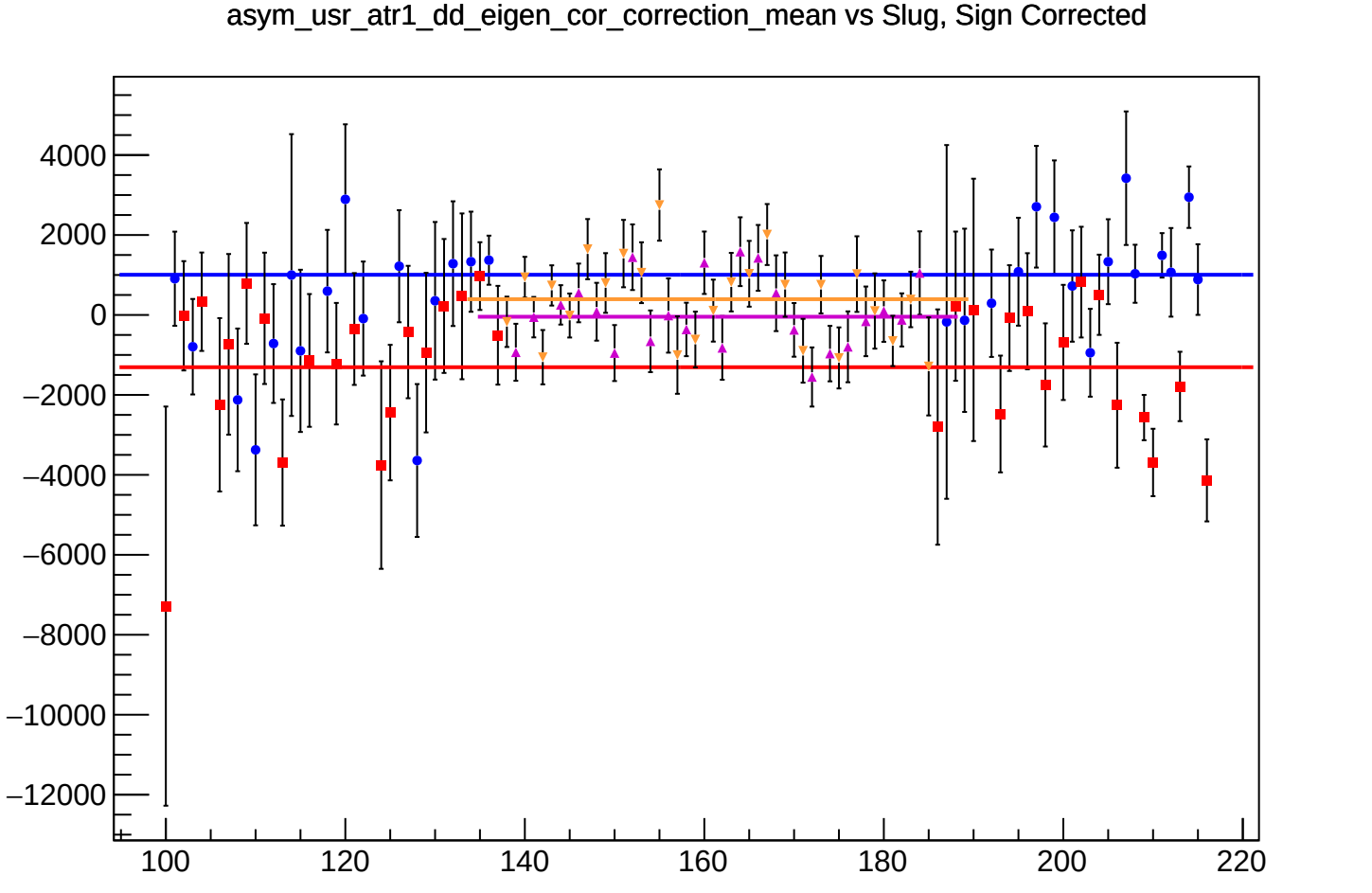
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1338.809+/-0.153 χ^2/NDF: 930459.5/64

In: 1329.138+/-0.154 χ^2/NDF:772894.2/53

Out: 1330.765+/-0.151 χ^2/NDF:170293.0/58

All: 1329.965+/-0.108 χ^2/NDF: 943244.0/112



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: -1307.046+/-226.208 χ^2/NDF: 51.1/33

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

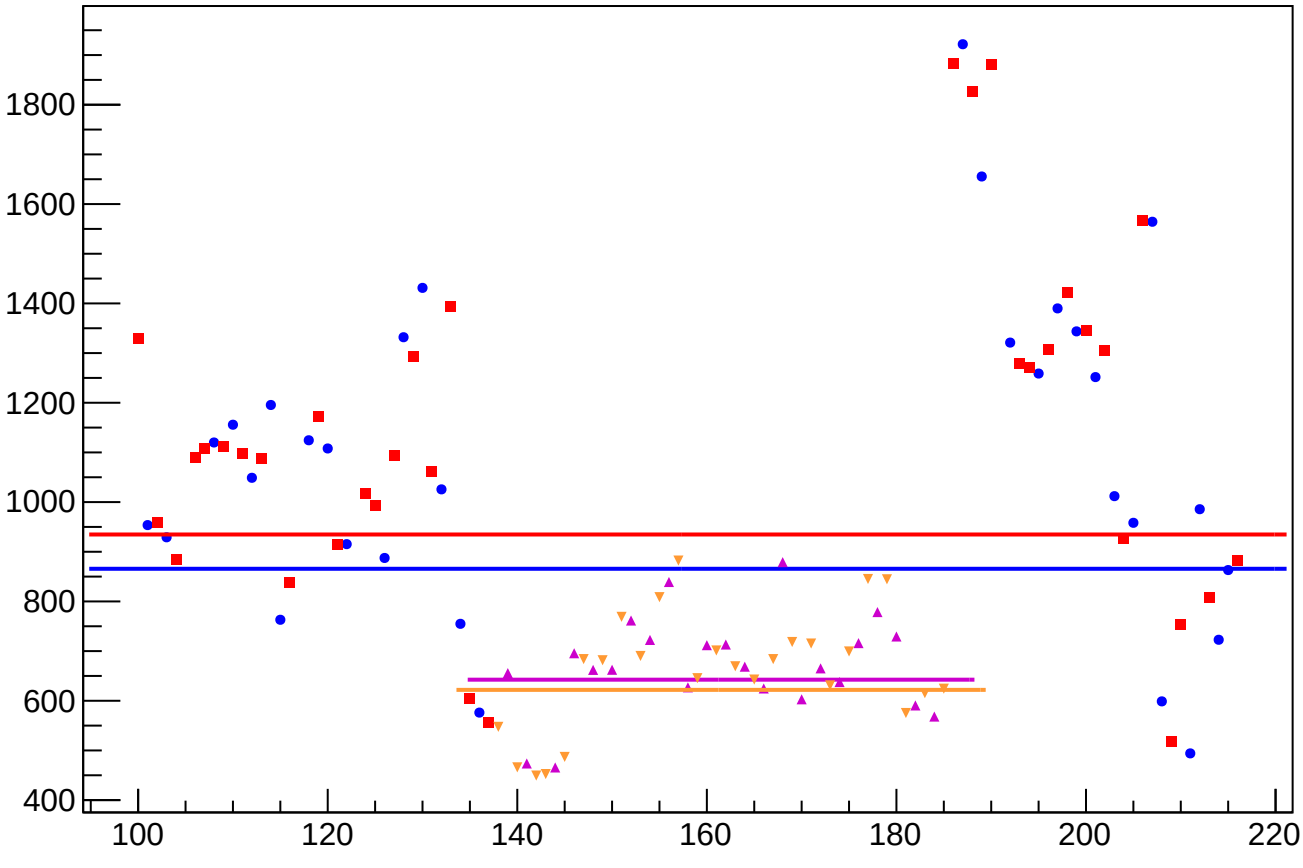
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -69.368+/-154.213 χ^2/NDF: 143.6/64

In: 315.502+/-123.465 χ^2/NDF:80.4/53

Out: -98.894+/-121.812 χ^2/NDF:133.1/58

All: 105.510+/-86.713 χ^2/NDF: 219.3/112



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: 934.770+/-0.160 χ^2/NDF: 4105969.1/33

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

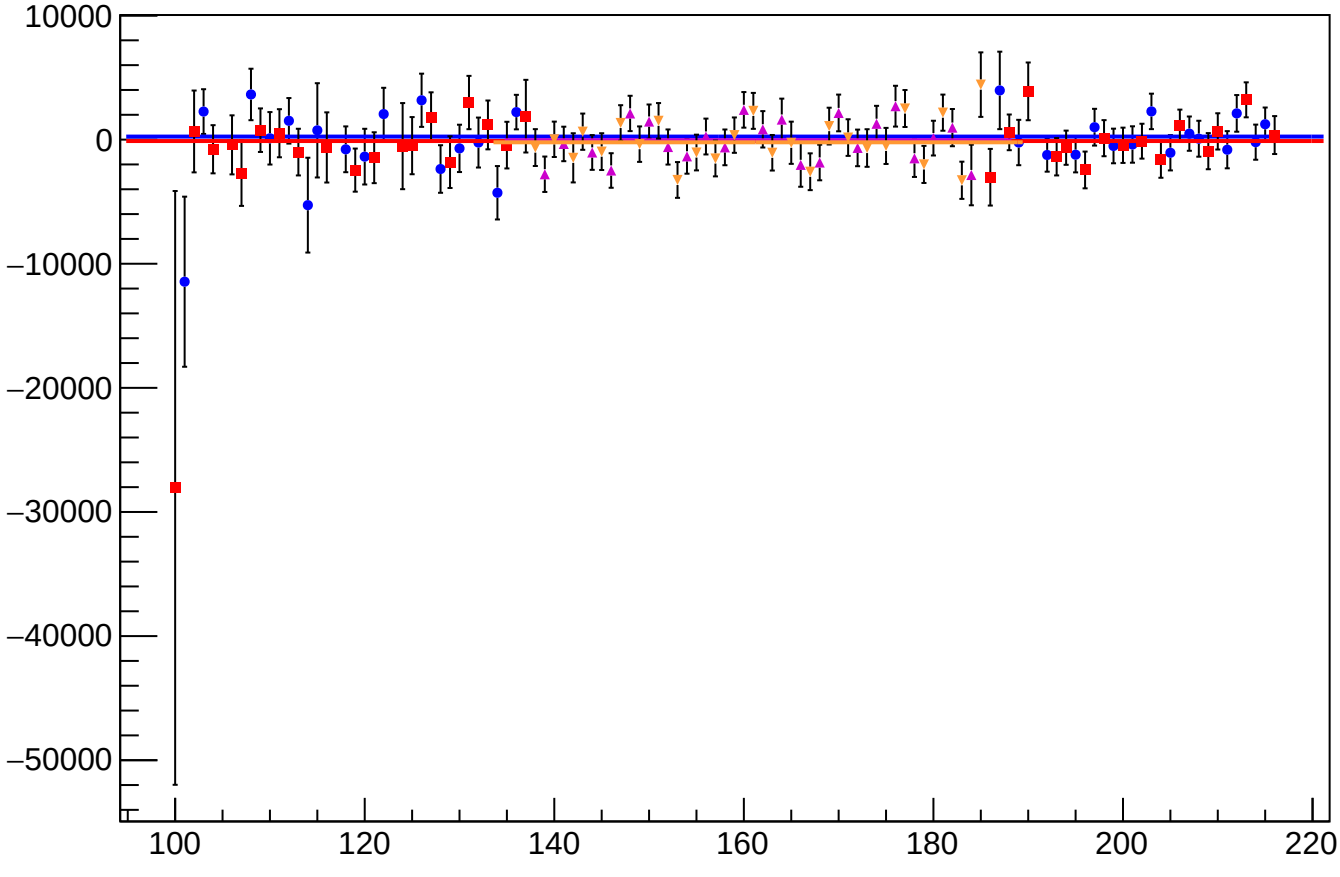
Right: 897.822+/-0.109 χ^2/NDF: 8245003.9/64

In: 719.067+/-0.087 χ^2/NDF:6439818.8/53

Out: 712.661+/-0.086 χ^2/NDF:8205003.2/58

All: 715.821+/-0.061 χ^2/NDF: 14647550.7/11

dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



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: -114.403+/-307.458 χ^2/NDF: 26.5/33

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

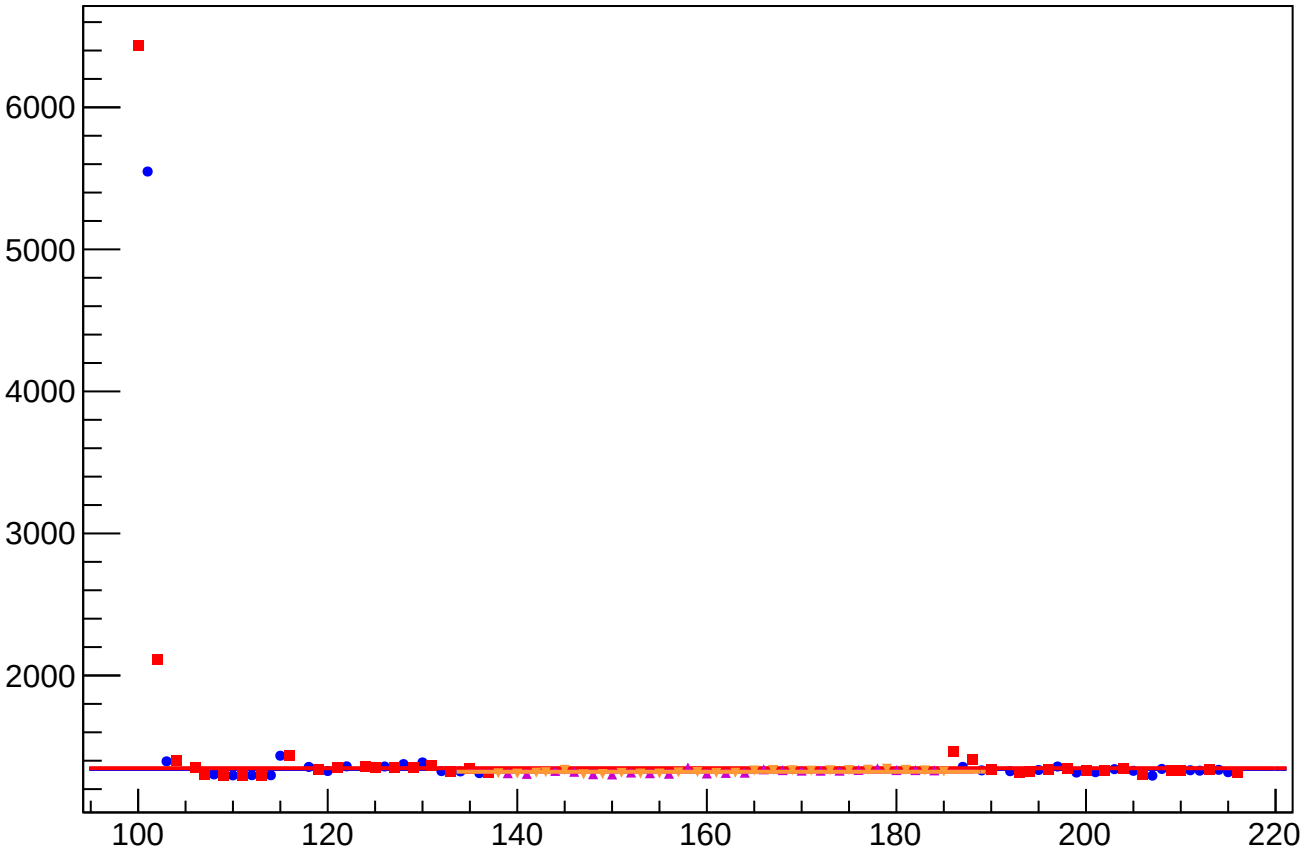
Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

Right: 64.415+/-217.774 χ^2/NDF: 58.8/64

In: 97.334+/-218.315 χ^2/NDF:59.9/53

Out: -165.890+/-214.859 χ^2/NDF:57.8/58

All: -36.378+/-153.136 χ^2/NDF: 118.5/112



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: 1347.213+/-0.217 χ^2/NDF: 221376.5/33

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

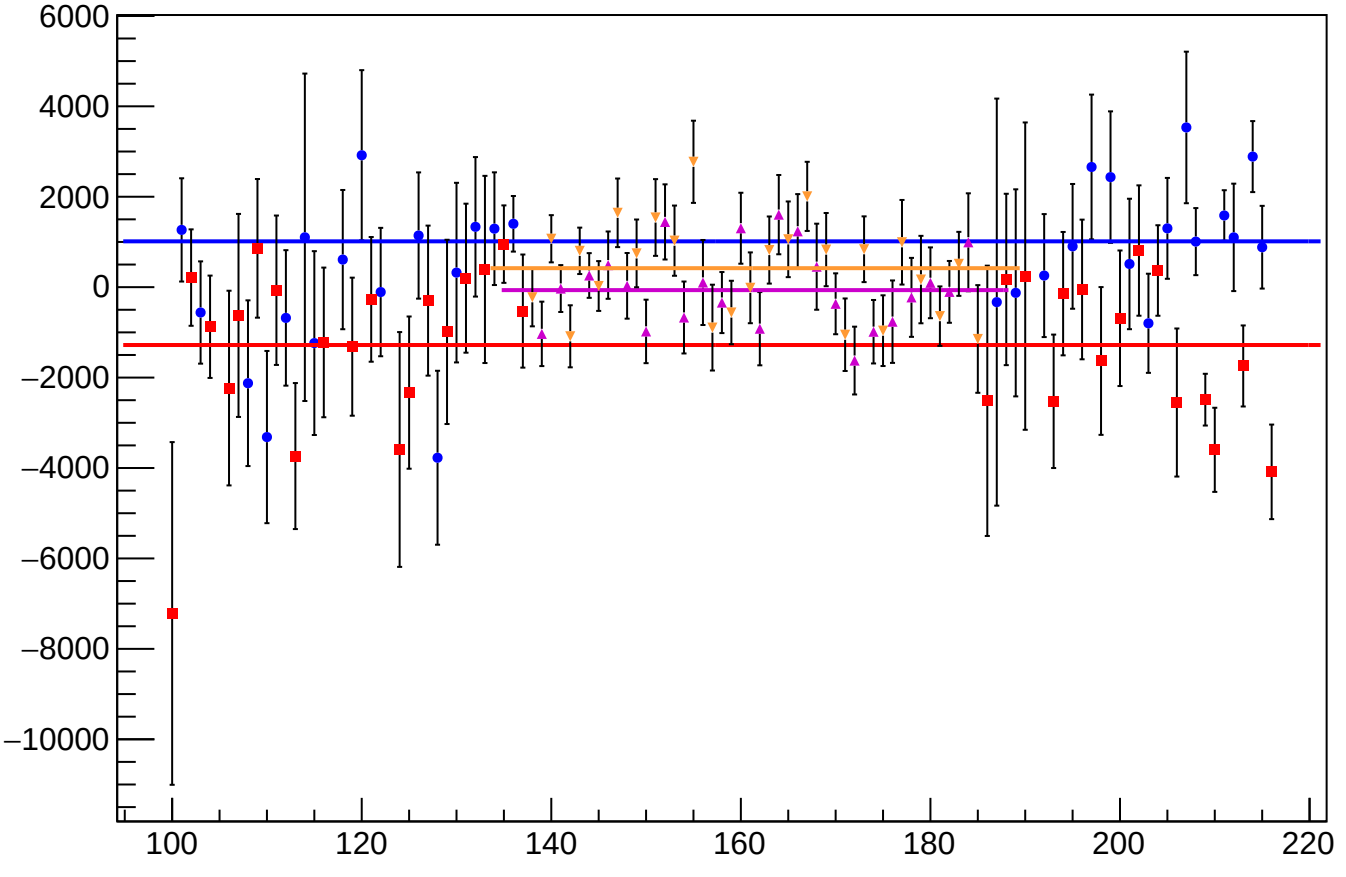
Right: 1344.558+/-0.154 χ^2/NDF: 989780.3/64

In: 1332.626+/-0.154 χ^2/NDF:775569.9/53

Out: 1334.501+/-0.152 χ^2/NDF:230989.6/58

All: 1333.579+/-0.108 χ^2/NDF: 1006634.5/11

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



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: -1279.588+/-227.742 χ^2/NDF: 47.1/33

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

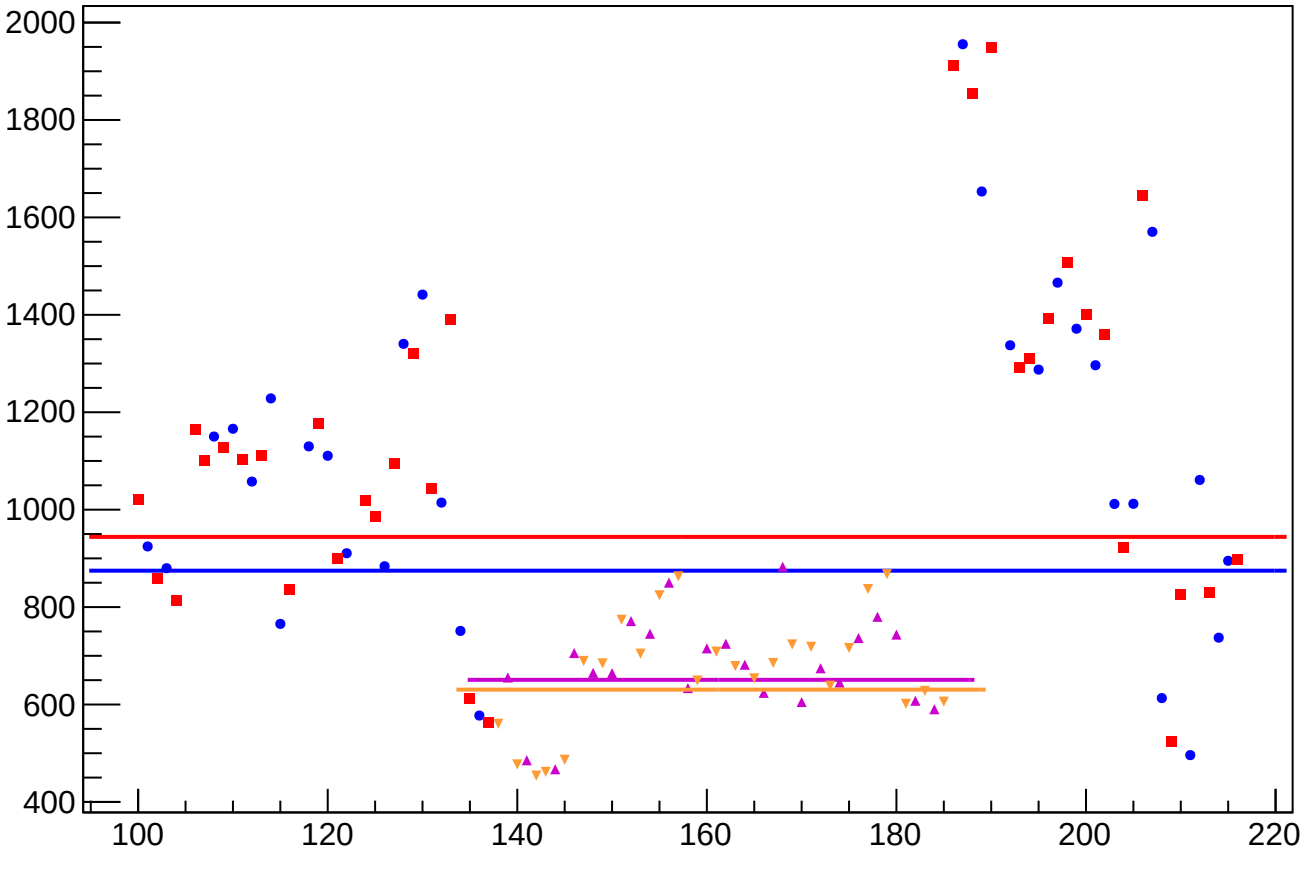
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -57.152+/-155.616 χ^2/NDF: 136.8/64

In: 305.367+/-124.944 χ^2/NDF:79.6/53

Out: -77.209+/-123.171 χ^2/NDF:128.0/58

All: 111.345+/-87.715 χ^2/NDF: 212.3/112



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: 944.146+/-0.161 χ^2/NDF: 4248150.0/33

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

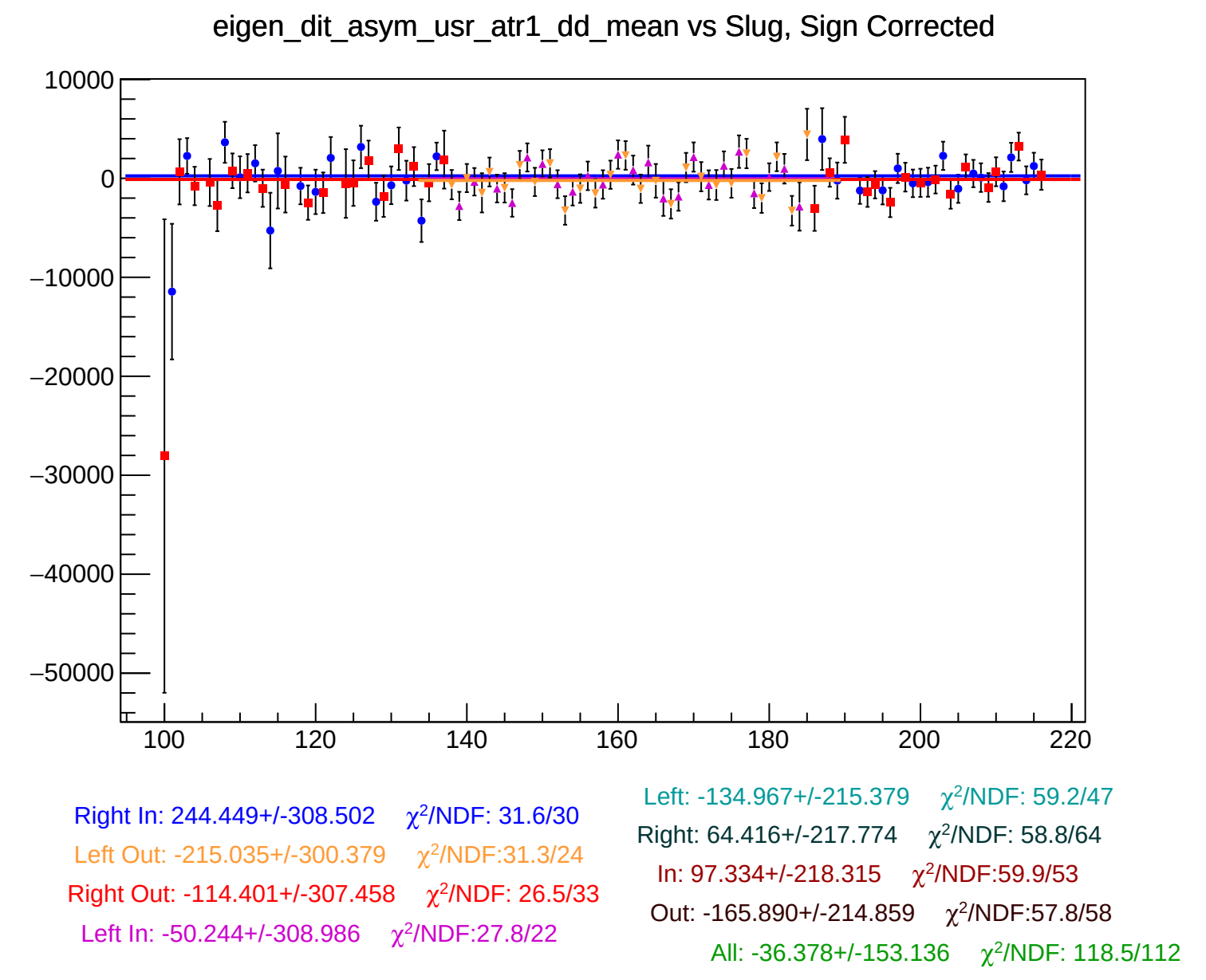
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

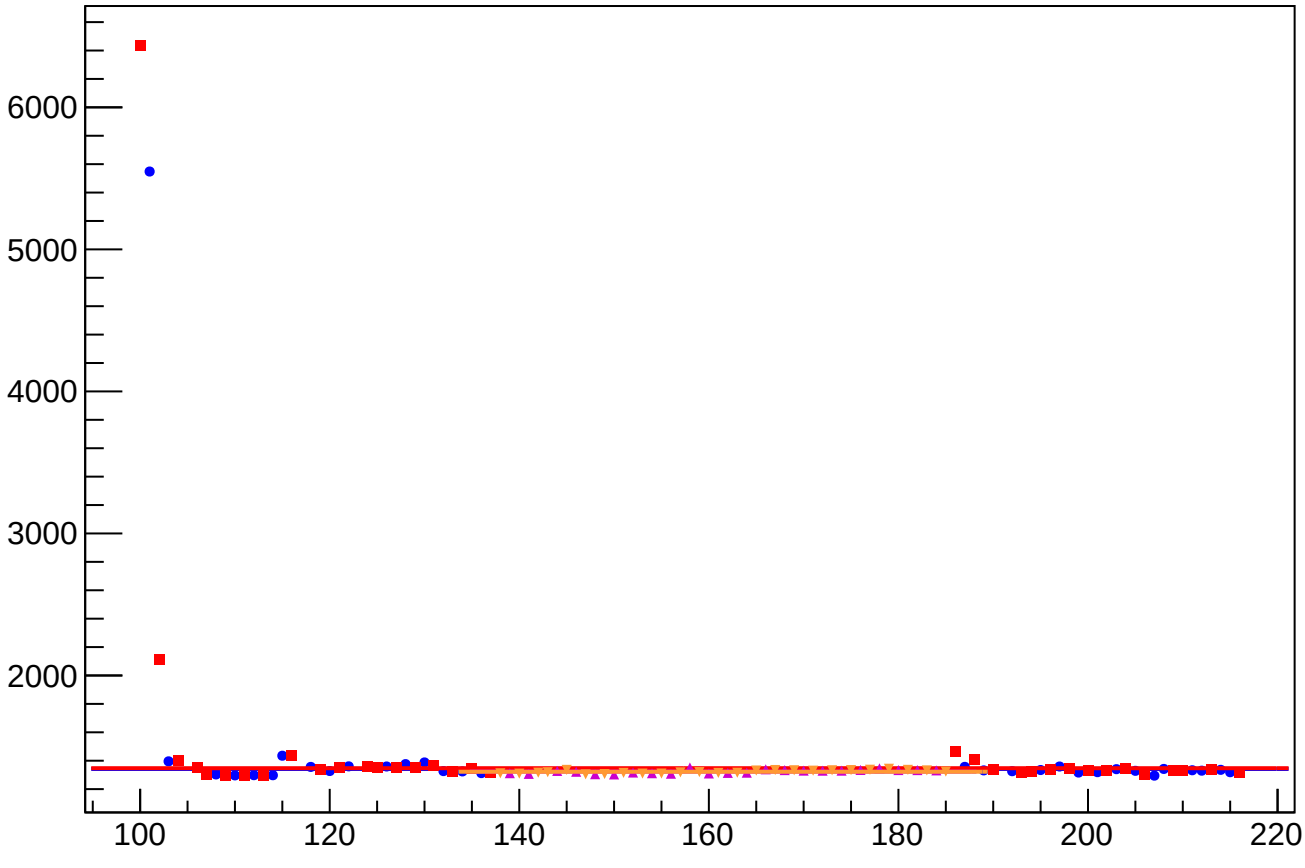
Right: 907.152+/-0.110 χ^2/NDF: 8487342.2/64

In: 727.657+/-0.088 χ^2/NDF:6513742.1/53

Out: 722.308+/-0.087 χ^2/NDF:8258952.9/58

All: 724.944+/-0.062 χ^2/NDF: 14774554.3/1


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 244.449+/-308.502 χ²/NDF: 31.6/30
Left Out: -215.035+/-300.379 χ²/NDF:31.3/24
Right Out: -114.401+/-307.458 χ²/NDF: 26.5/33
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.967+/-215.379 χ²/NDF: 59.2/47
Right: 64.416+/-217.774 χ²/NDF: 58.8/64
In: 97.334+/-218.315 χ²/NDF:59.9/53
Out: -165.890+/-214.859 χ²/NDF:57.8/58
All: -36.378+/-153.136 χ²/NDF: 118.5/112



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: 1347.213+/-0.217 χ^2/NDF: 221376.4/33

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

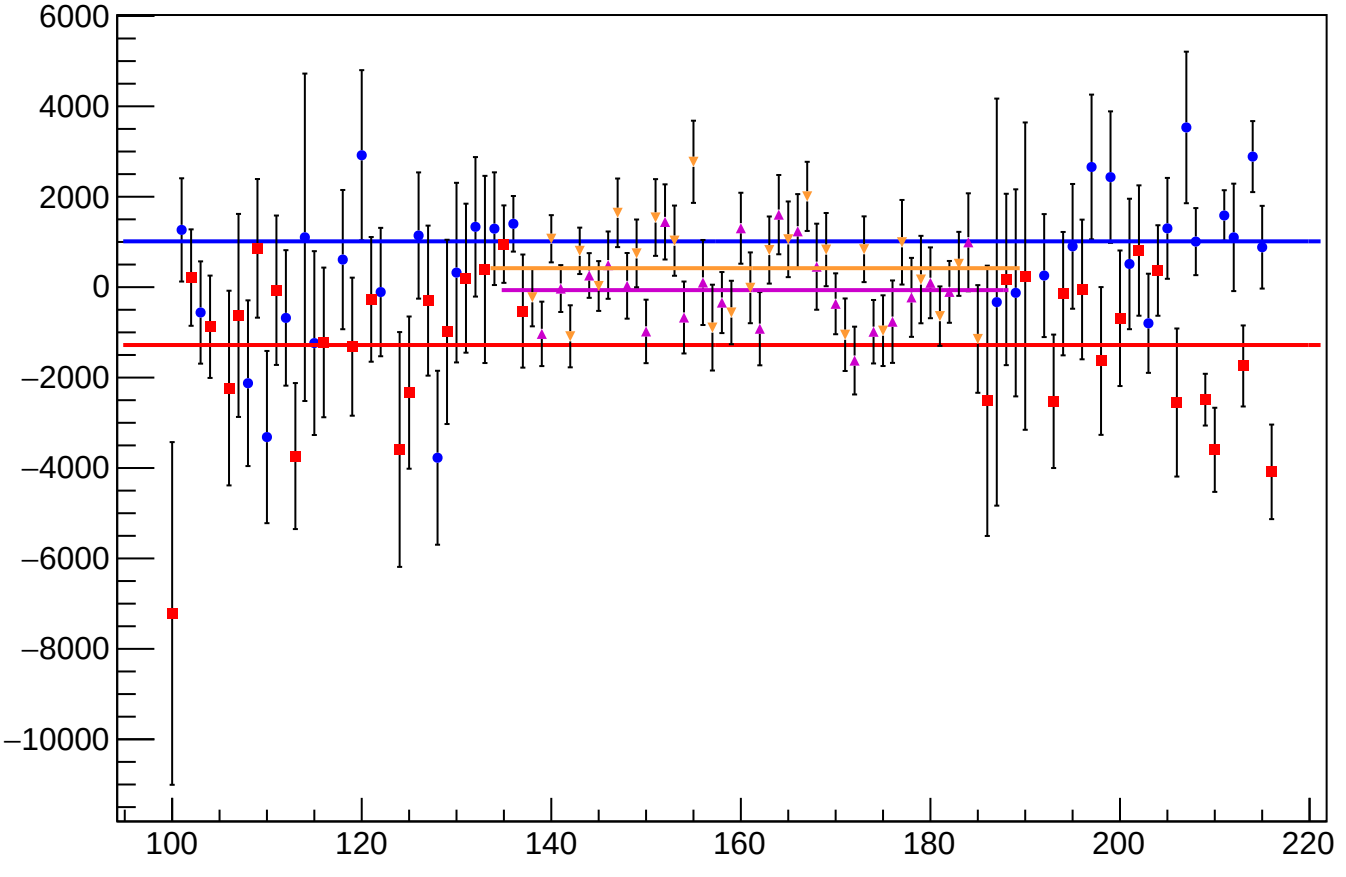
Right: 1344.558+/-0.154 χ^2/NDF: 989780.1/64

In: 1332.626+/-0.154 χ^2/NDF:775569.9/53

Out: 1334.501+/-0.152 χ^2/NDF:230989.5/58

All: 1333.579+/-0.108 χ^2/NDF: 1006634.4/11

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -1279.587+/-227.741 χ^2/NDF: 47.1/33

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

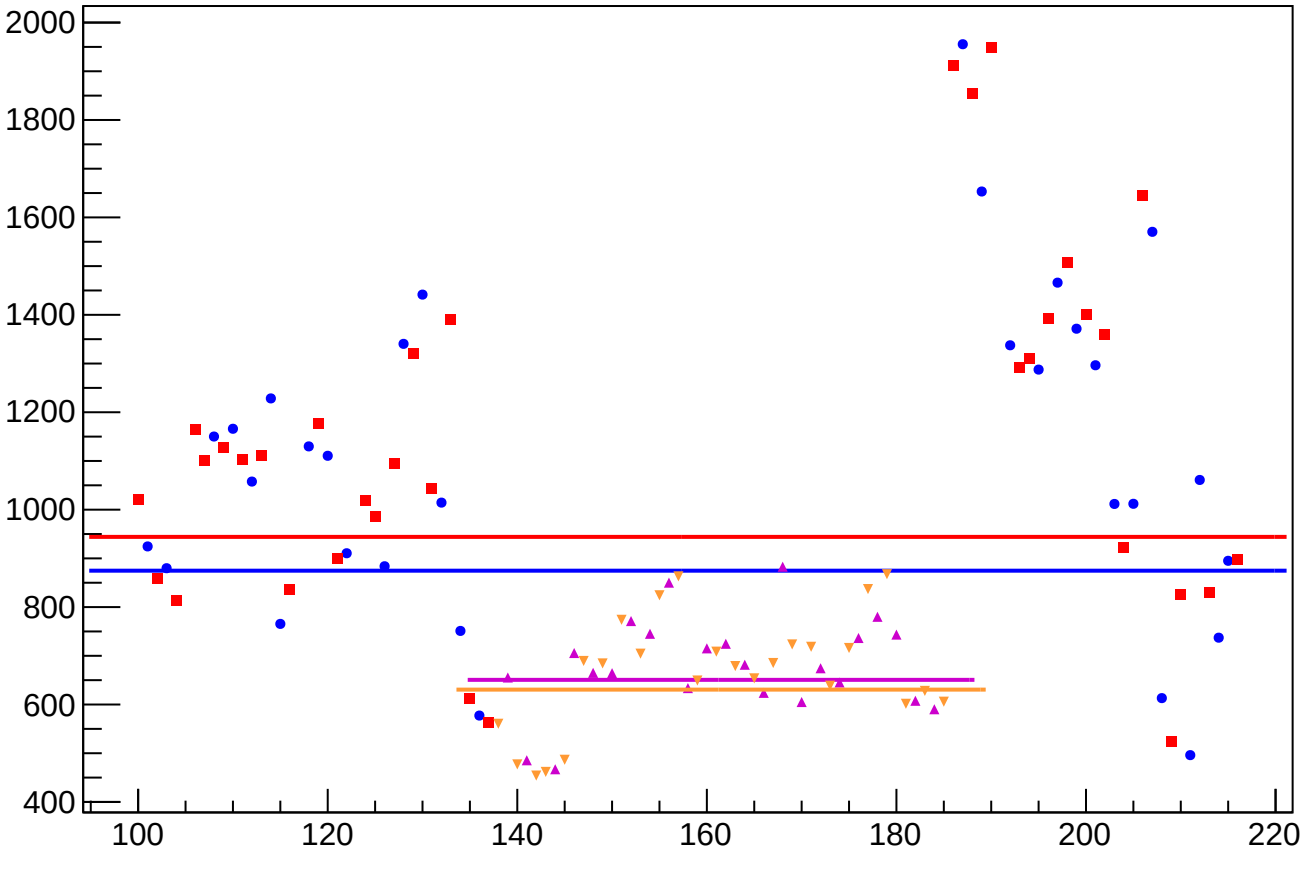
Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

Right: -57.155+/-155.616 χ^2/NDF: 136.8/64

In: 305.368+/-124.944 χ^2/NDF:79.6/53

Out: -77.211+/-123.171 χ^2/NDF:128.0/58

All: 111.344+/-87.715 χ^2/NDF: 212.3/112



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: 944.144+/-0.161 χ^2/NDF: 4248176.9/33

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

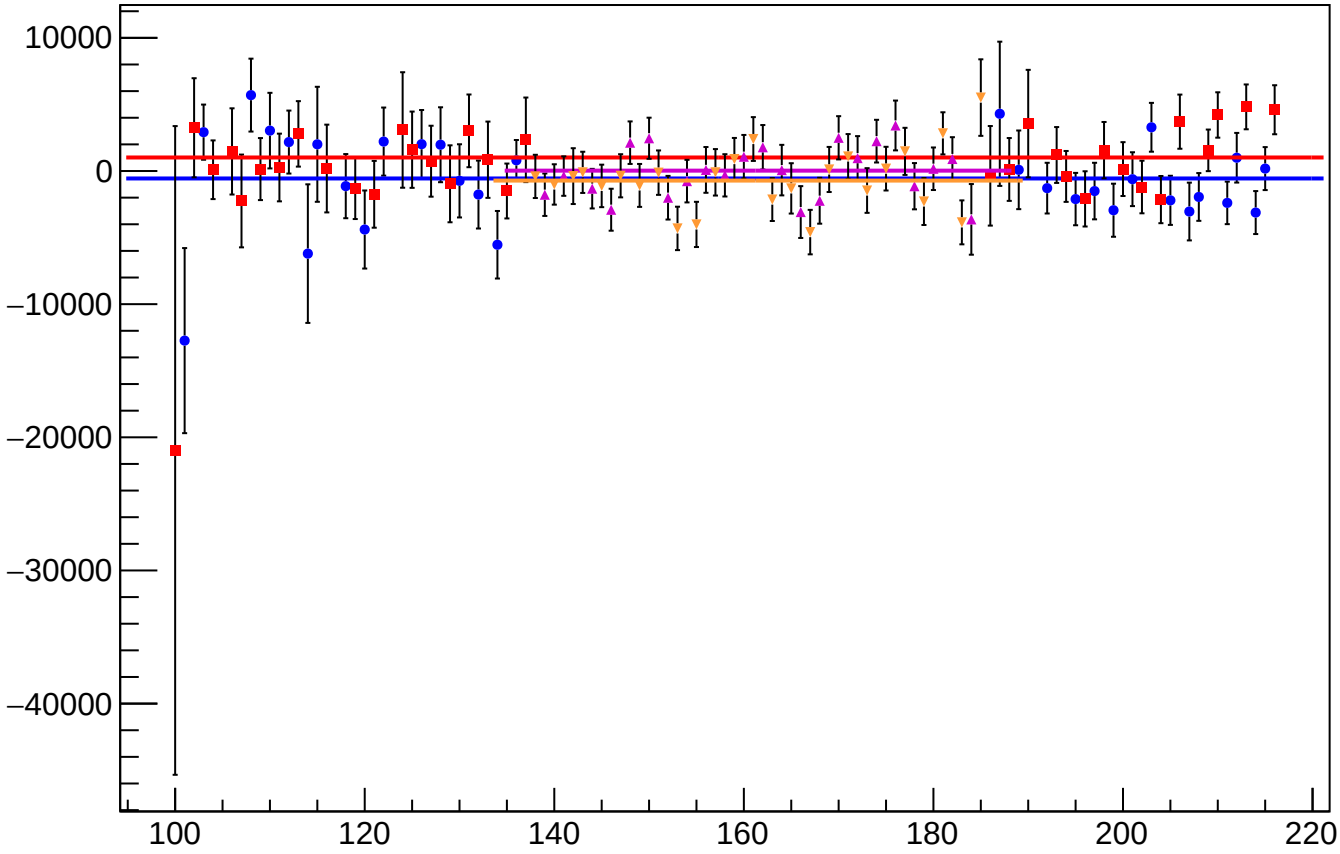
Right: 907.151+/-0.110 χ^2/NDF: 8487358.2/64

In: 727.658+/-0.088 χ^2/NDF:6513723.9/53

Out: 722.308+/-0.087 χ^2/NDF:8258957.6/58

All: 724.945+/-0.062 χ^2/NDF: 14774541.4/1

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: 1015.686+/-402.958 χ^2/NDF: 30.7/33

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

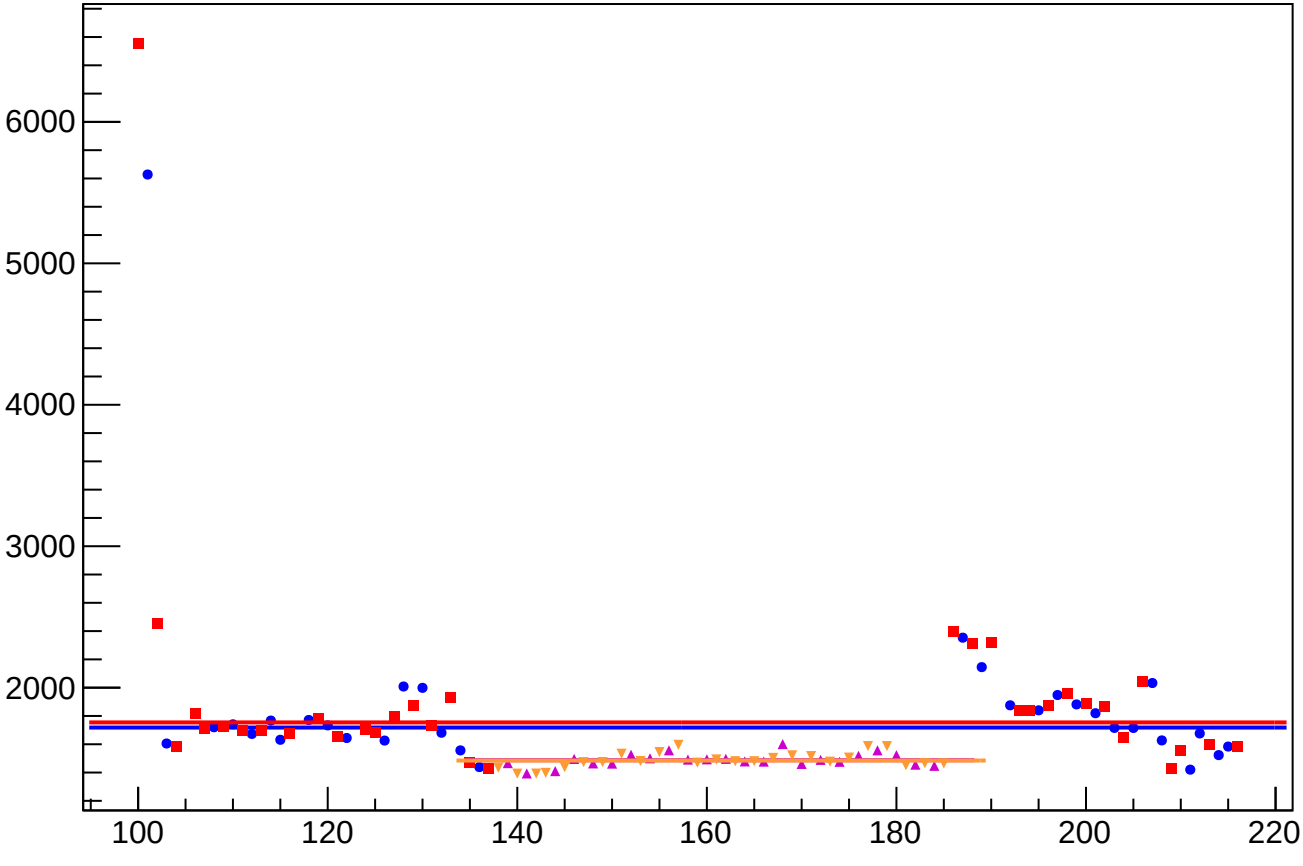
Right: 216.694+/-282.908 χ^2/NDF: 78.7/64

In: -227.058+/-261.525 χ^2/NDF:69.5/53

Out: -3.208+/-258.771 χ^2/NDF:79.3/58

All: -113.948+/-183.945 χ^2/NDF: 149.2/112

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: 1754.434+/-0.285 χ^2/NDF: 693619.3/33

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

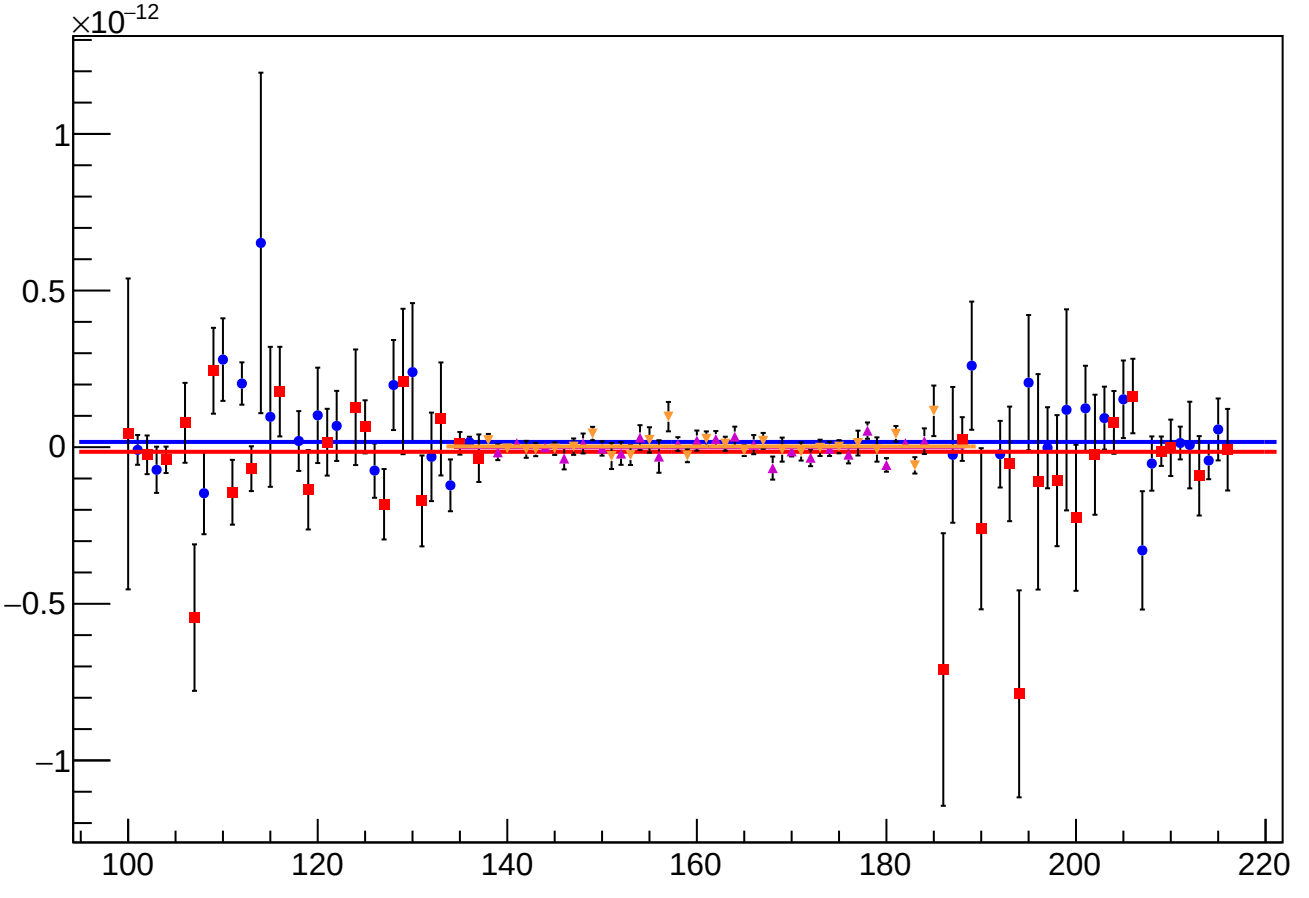
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1735.995+/-0.200 χ^2/NDF: 1759063.5/64

In: 1587.193+/-0.185 χ^2/NDF:1475019.2/53

Out: 1596.090+/-0.183 χ^2/NDF:1270093.7/58

All: 1591.689+/-0.130 χ^2/NDF: 2746282.4/11



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: 35.3/33

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

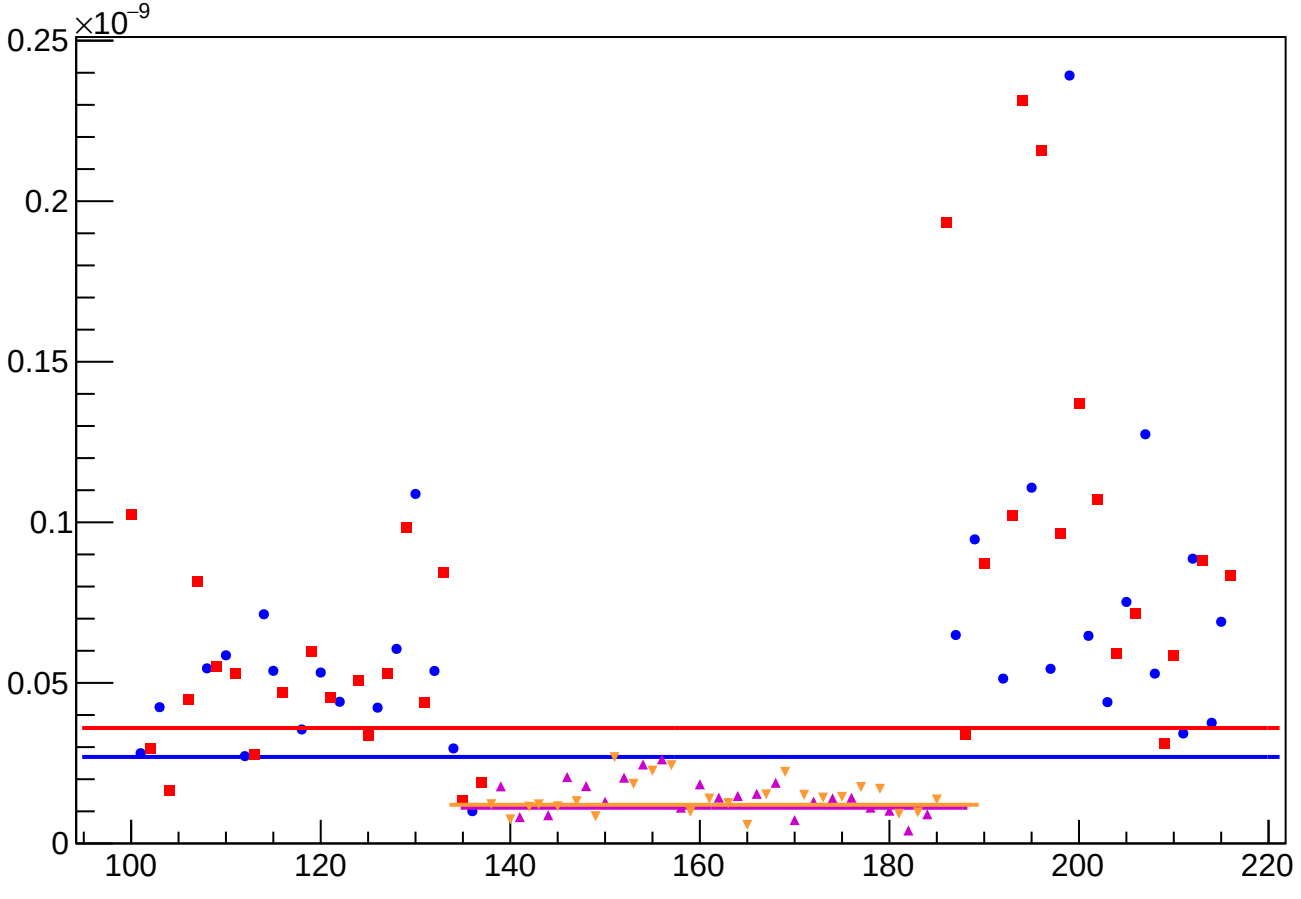
Right: 0.000+/-0.000 χ^2/NDF: 71.3/64

In: 0.000+/-0.000 χ^2/NDF:60.1/53

Out: 0.000+/-0.000 χ^2/NDF:61.7/58

All: 0.000+/-0.000 χ^2/NDF: 121.9/112

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 5751859.6/33

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

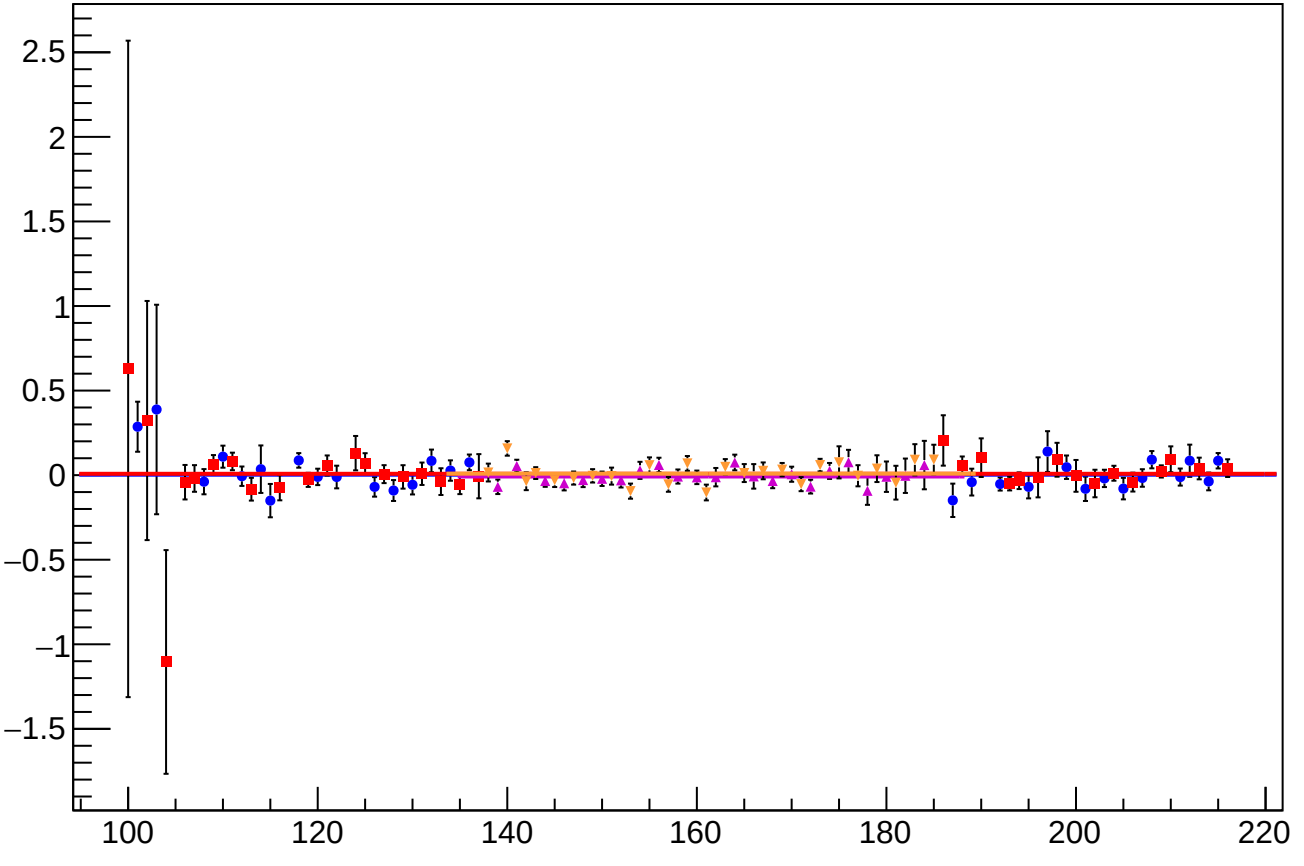
Right: 0.000+/-0.000 χ^2/NDF: 12743956.4/64

In: 0.000+/-0.000 χ^2/NDF:11531568.6/53

Out: 0.000+/-0.000 χ^2/NDF:11386543.2/58

All: 0.000+/-0.000 χ^2/NDF: 22966206.5/112

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: 0.008+/-0.011 χ^2/NDF: 25.2/33

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

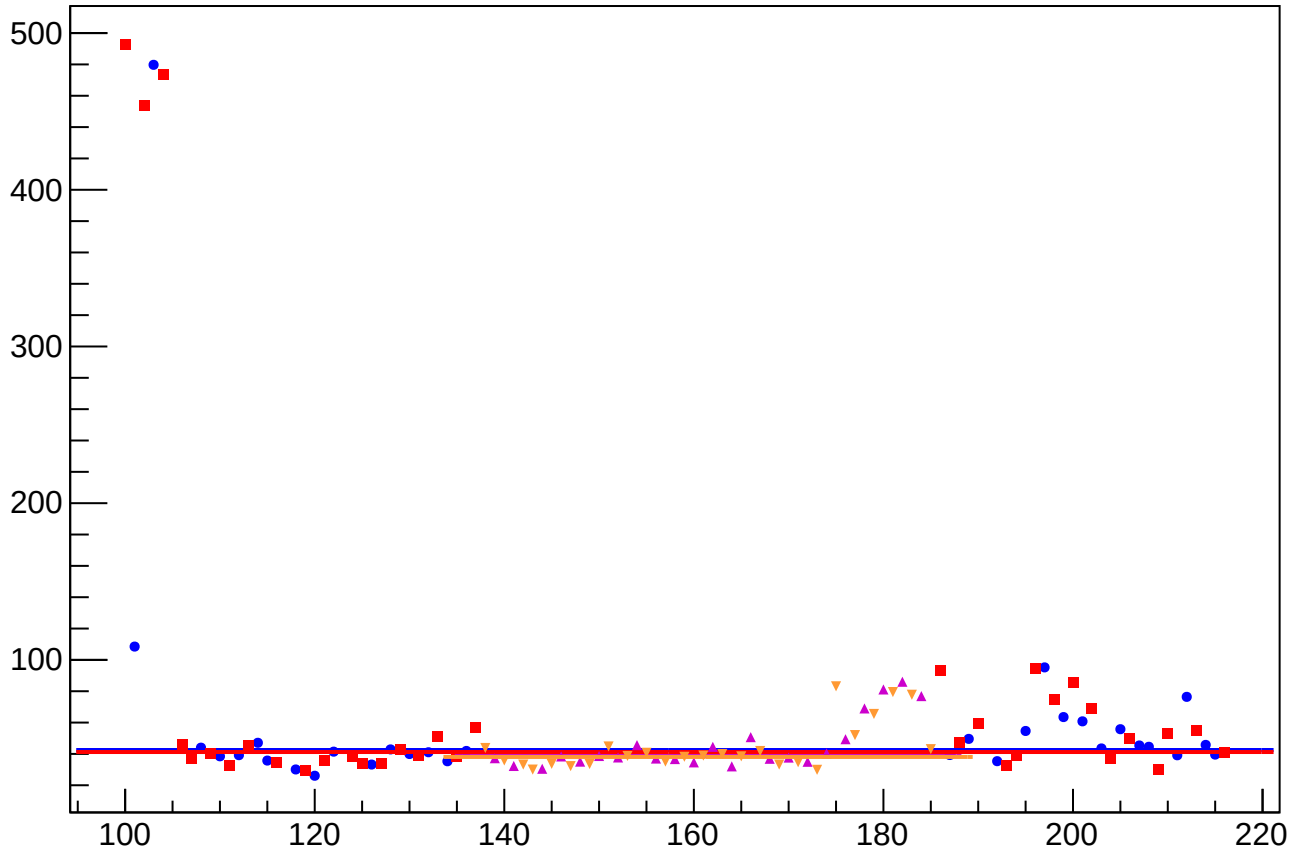
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.005+/-0.008 χ^2/NDF: 66.4/64

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.008+/-0.007 χ^2/NDF:63.8/58

All: 0.003+/-0.005 χ^2/NDF: 125.6/112



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: 41.205+/-0.008 χ^2/NDF: 4181440.0/33

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

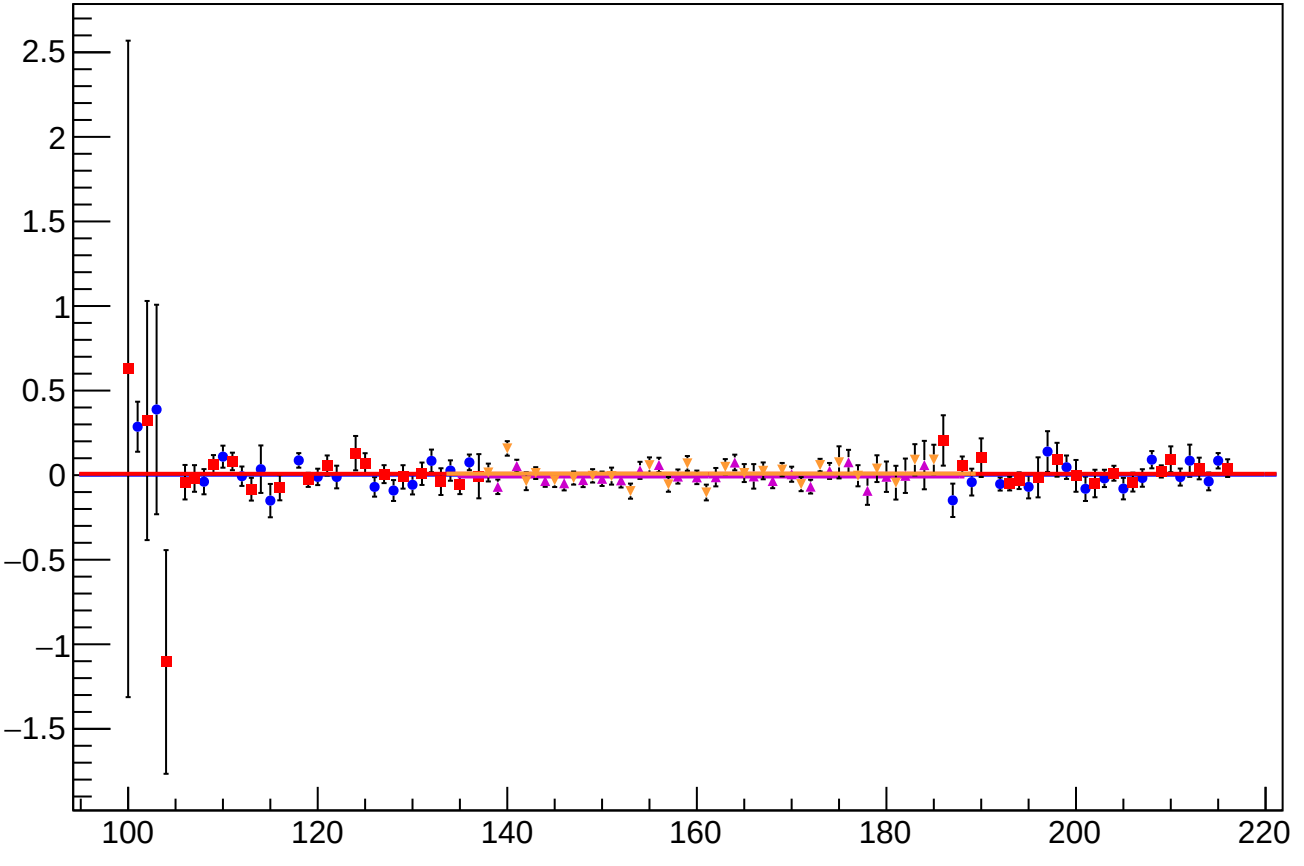
Right: 41.850+/-0.006 χ^2/NDF: 7318320.1/64

In: 40.363+/-0.005 χ^2/NDF:4986992.6/53

Out: 39.416+/-0.005 χ^2/NDF:6240964.9/58

All: 39.881+/-0.004 χ^2/NDF: 11244819.3/112

asym_usr_atr1_dd_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: 0.008+/-0.011 χ^2/NDF: 25.2/33

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

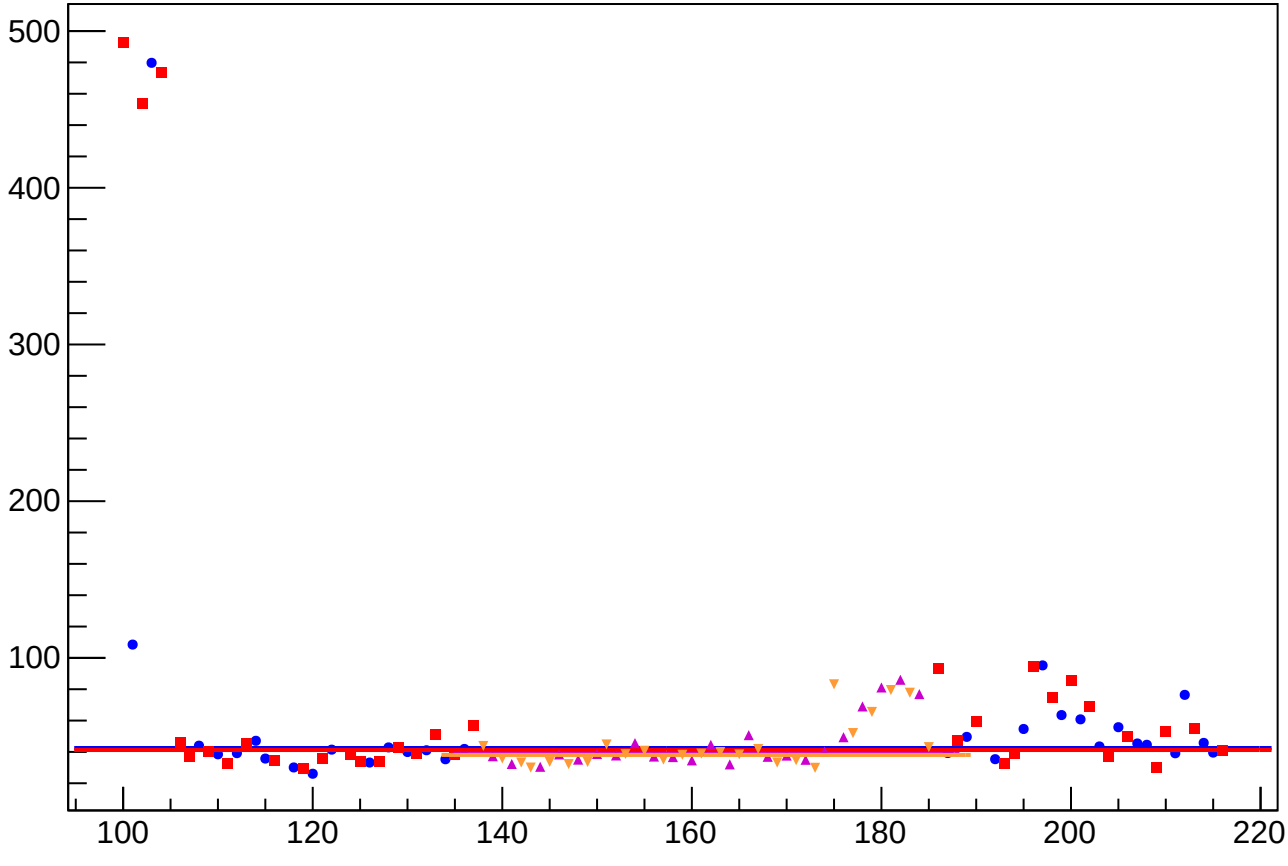
Right: 0.005+/-0.008 χ^2/NDF: 66.4/64

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.008+/-0.007 χ^2/NDF:63.8/58

All: 0.003+/-0.005 χ^2/NDF: 125.6/112

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: 41.205+/-0.008 χ^2/NDF: 4181440.0/33

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

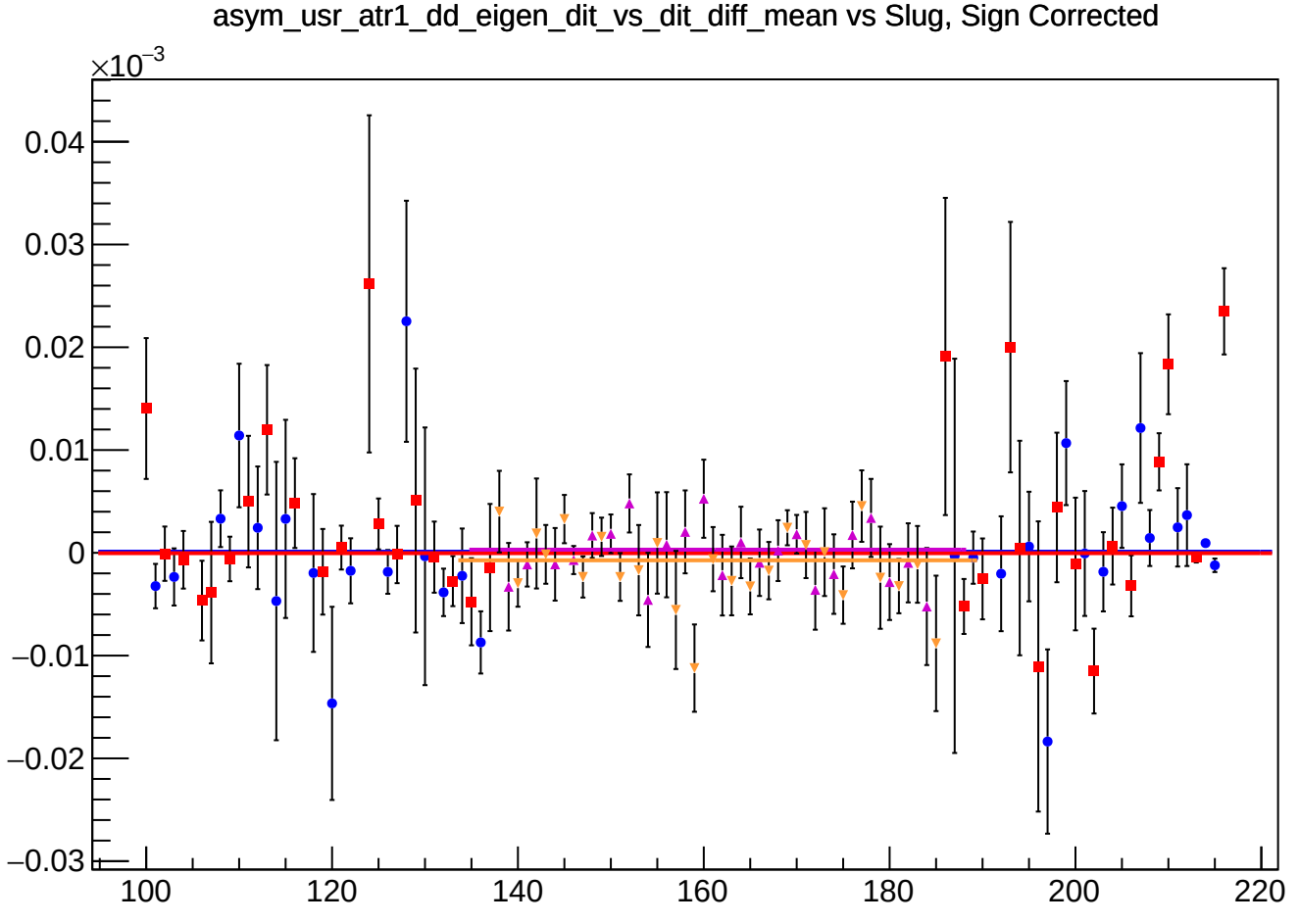
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.850+/-0.006 χ^2/NDF: 7318320.1/64

In: 40.363+/-0.005 χ^2/NDF:4986992.6/53

Out: 39.416+/-0.005 χ^2/NDF:6240964.9/58

All: 39.881+/-0.004 χ^2/NDF: 11244819.3/112



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 93.5/33

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

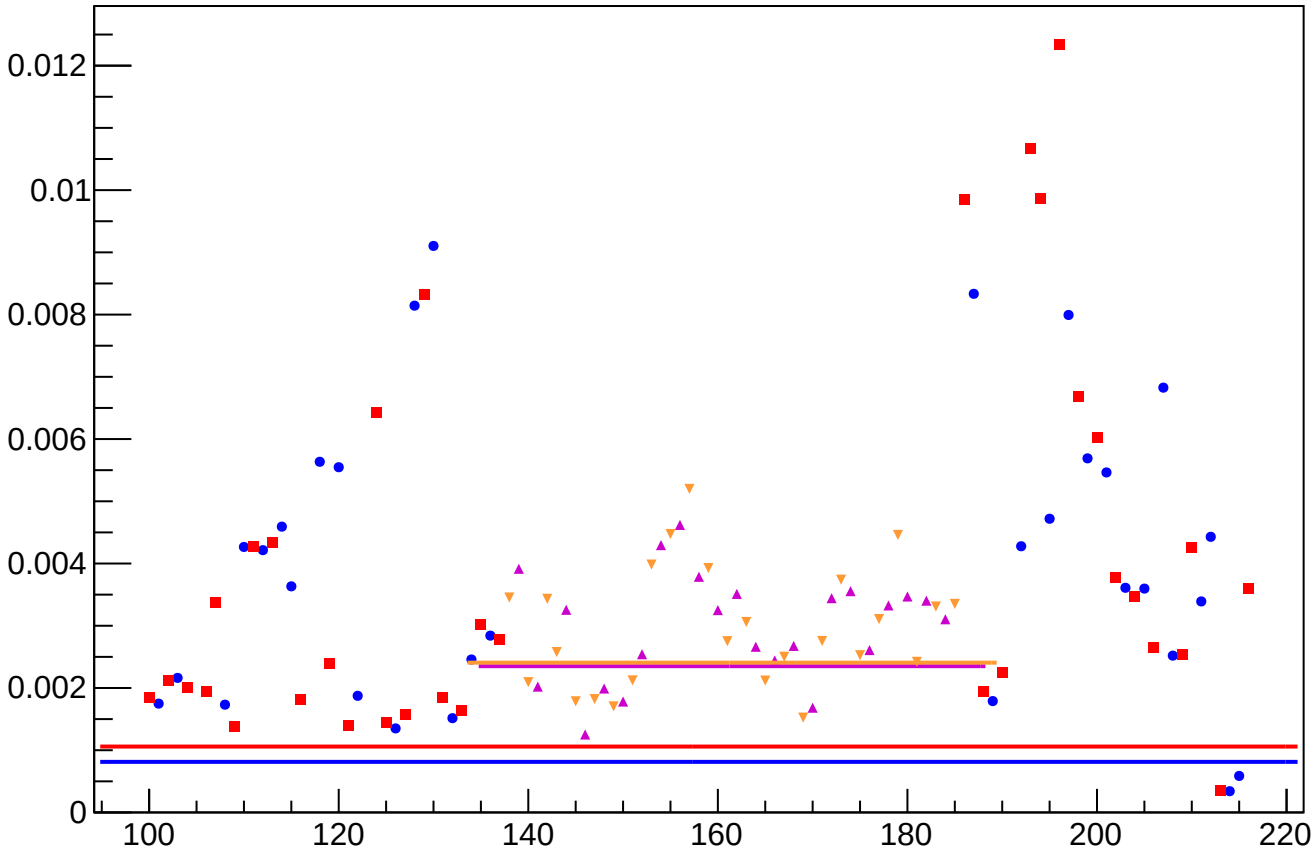
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: 0.000+/-0.000 χ^2/NDF: 141.3/64

In: 0.000+/-0.000 χ^2/NDF:61.6/53

Out: -0.000+/-0.000 χ^2/NDF:121.0/58

All: -0.000+/-0.000 χ^2/NDF: 183.5/112



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: 20130669.5/33

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

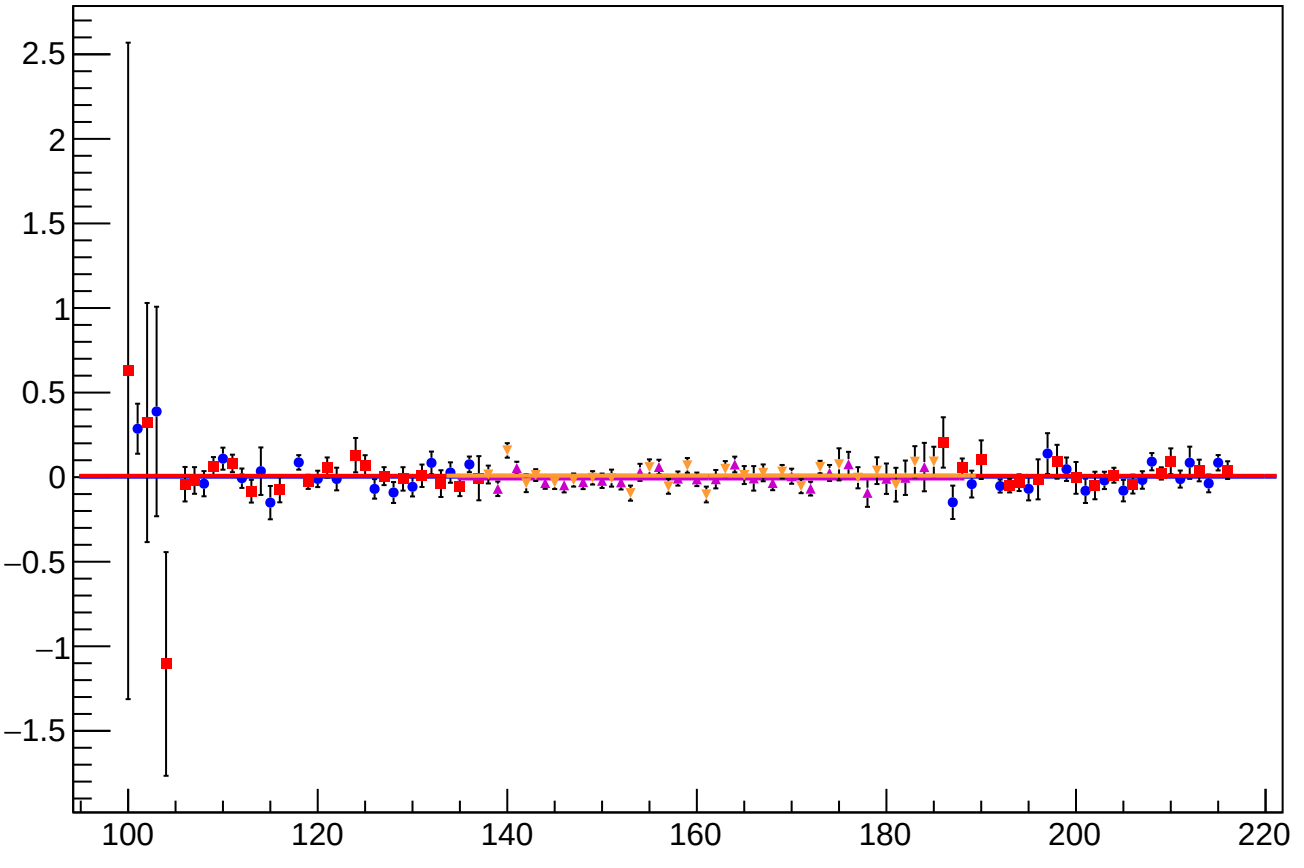
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.001+/-0.000 χ^2/NDF: 43080002.5/64

In: 0.001+/-0.000 χ^2/NDF:37408337.5/53

Out: 0.001+/-0.000 χ^2/NDF:31194103.9/58

All: 0.001+/-0.000 χ^2/NDF: 69815048.2/112



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: 0.008+/-0.011 χ^2/NDF: 25.2/33

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

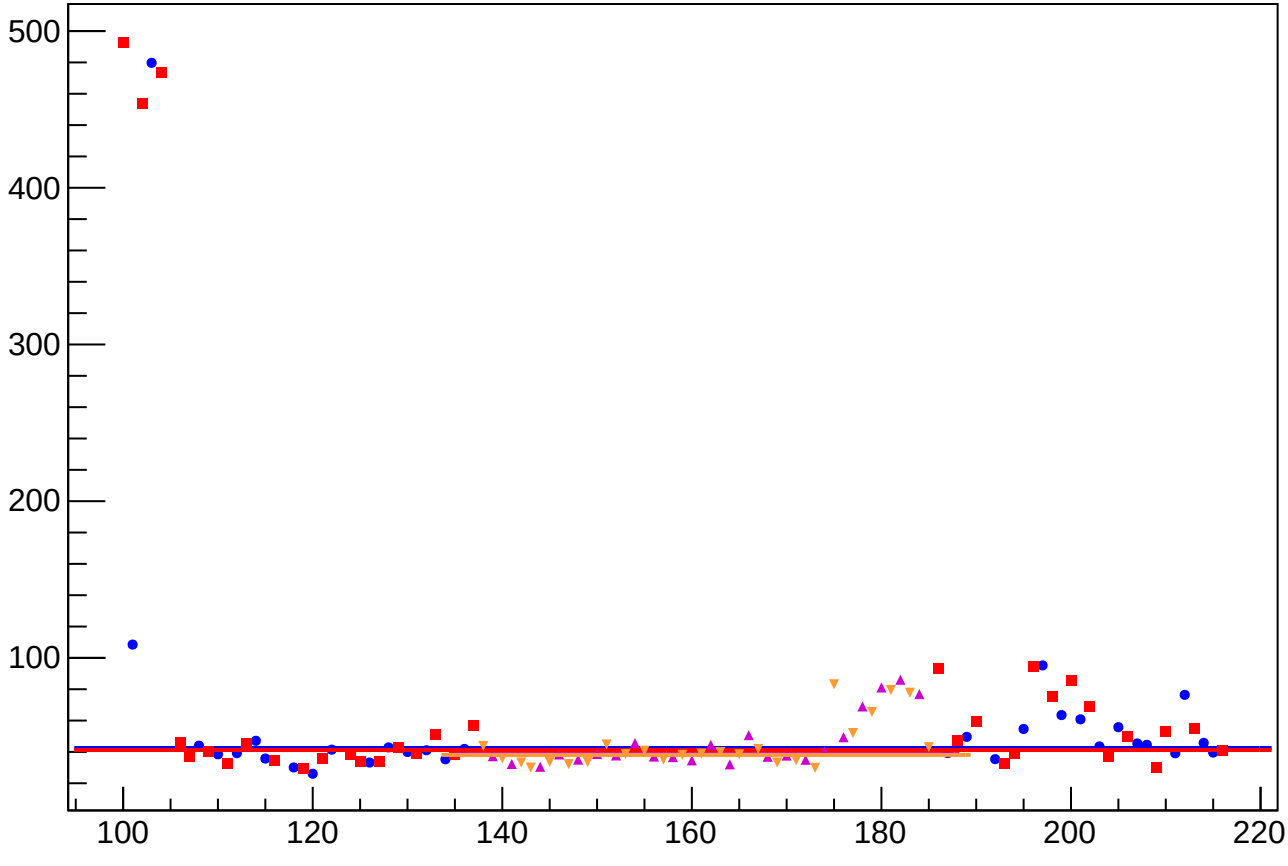
Right: 0.005+/-0.008 χ^2/NDF: 66.4/64

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.008+/-0.007 χ^2/NDF:63.8/58

All: 0.003+/-0.005 χ^2/NDF: 125.6/112

asym_usr_atr1_dd_eigen_dit_vs_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: 41.202+/-0.008 χ^2/NDF: 4181983.0/33

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

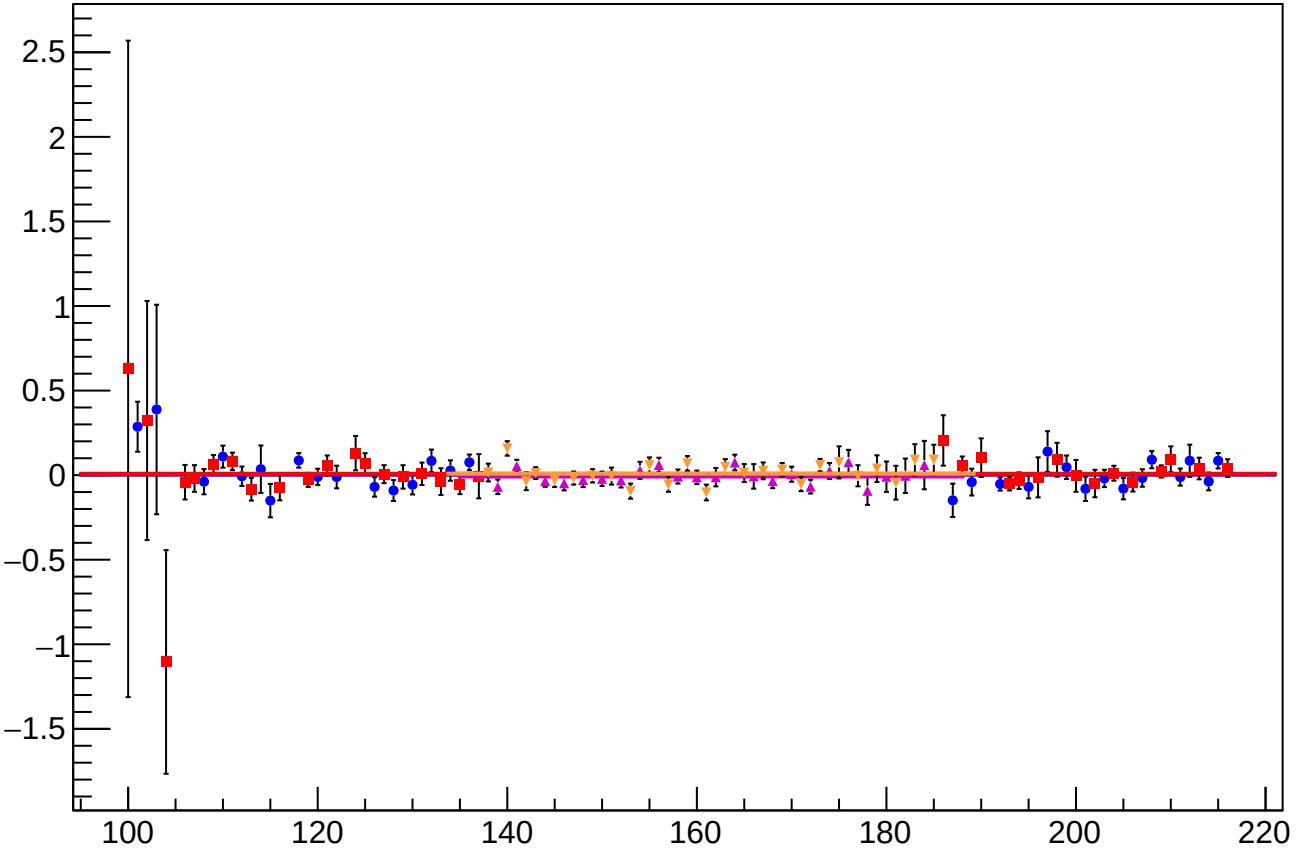
Right: 41.848+/-0.006 χ^2/NDF: 7319140.2/64

In: 40.363+/-0.005 χ^2/NDF:4987243.8/53

Out: 39.415+/-0.005 χ^2/NDF:6241354.8/58

All: 39.880+/-0.004 χ^2/NDF: 11245489.5/112

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: 0.008+/-0.011 χ^2/NDF: 25.2/33

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

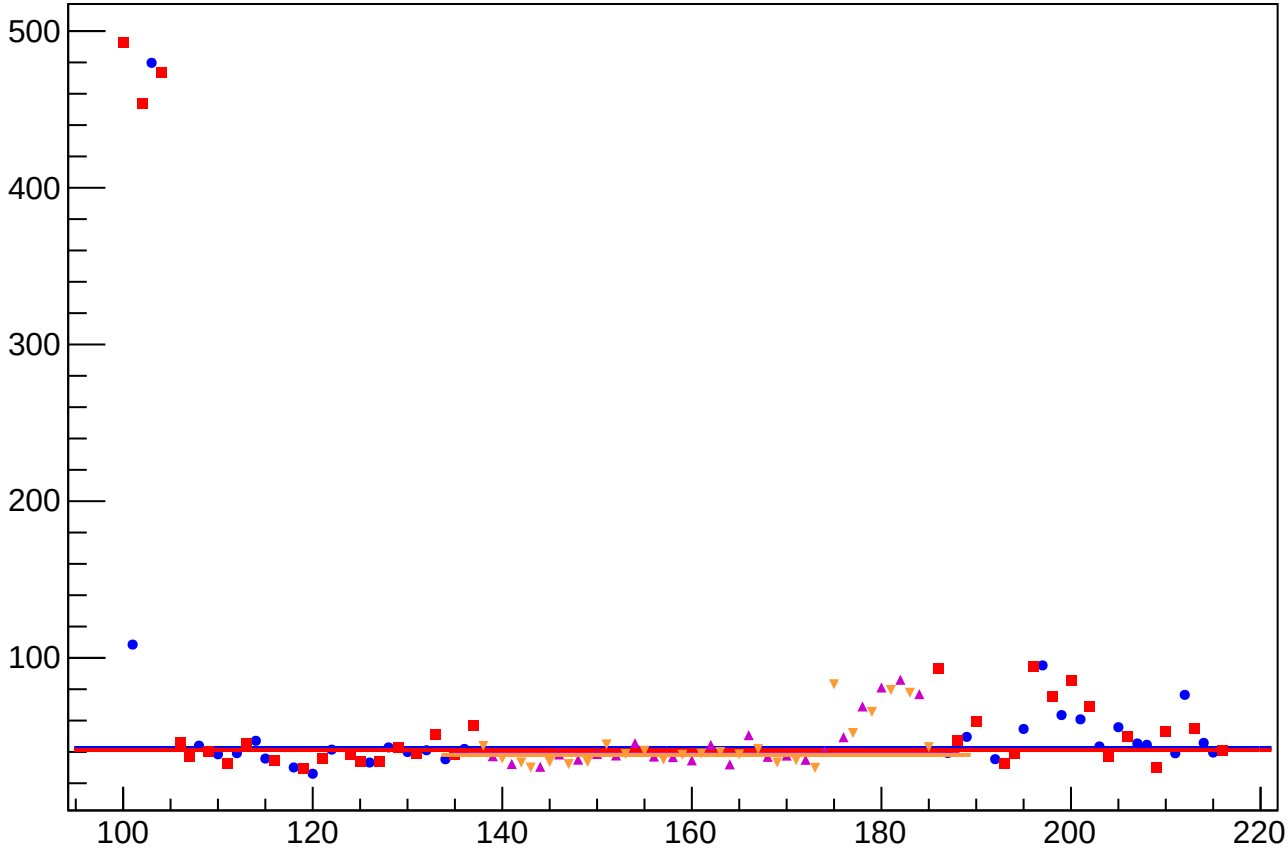
Right: 0.005+/-0.008 χ^2/NDF: 66.4/64

In: -0.003+/-0.007 χ^2/NDF:60.5/53

Out: 0.008+/-0.007 χ^2/NDF:63.8/58

All: 0.003+/-0.005 χ^2/NDF: 125.6/112

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: 41.202+/-0.008 χ^2/NDF: 4181983.0/33

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

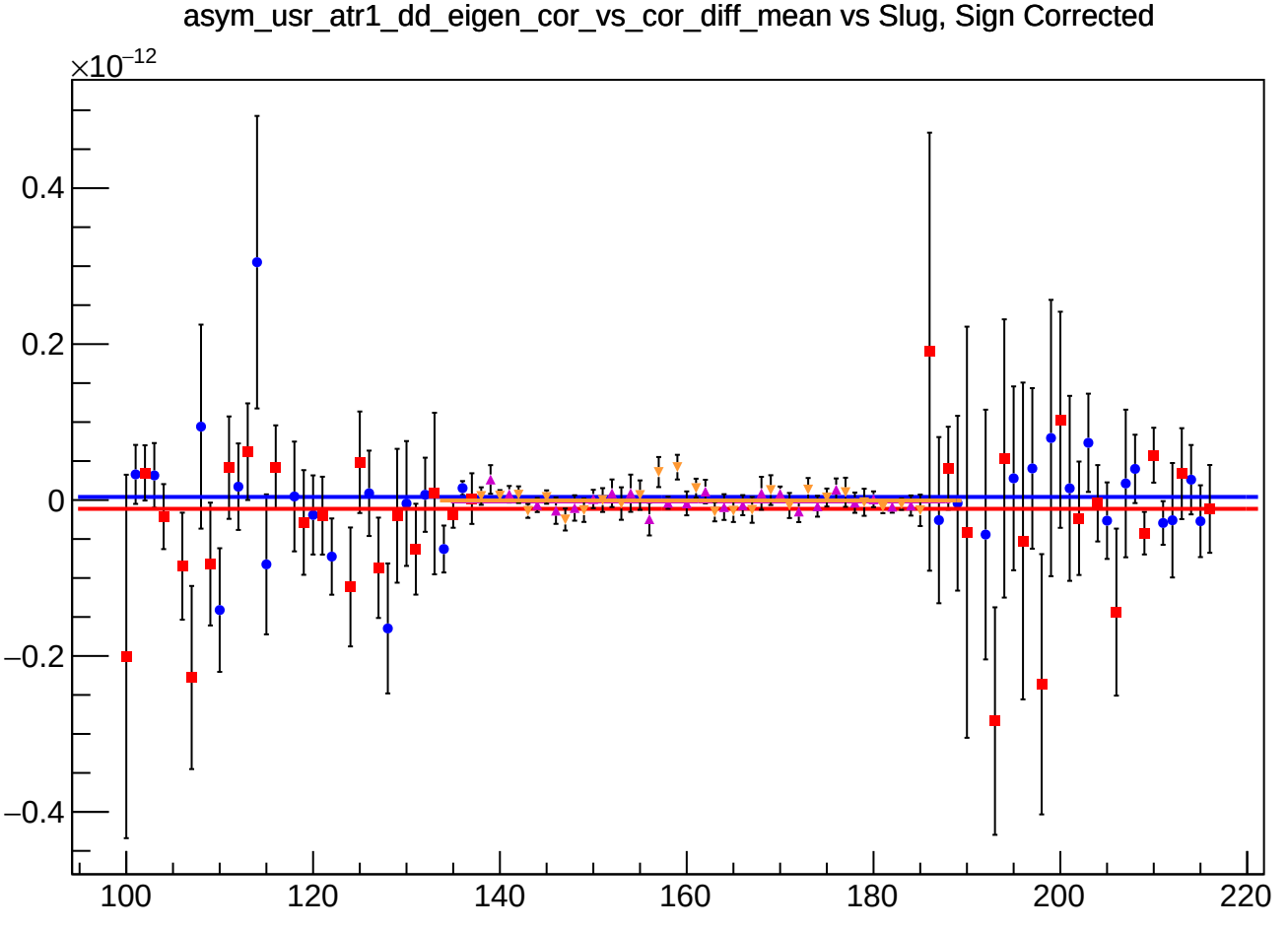
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 41.848+/-0.006 χ^2/NDF: 7319140.2/64

In: 40.363+/-0.005 χ^2/NDF:4987243.8/53

Out: 39.415+/-0.005 χ^2/NDF:6241354.8/58

All: 39.880+/-0.004 χ^2/NDF: 11245489.5/112



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: 31.0/33

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

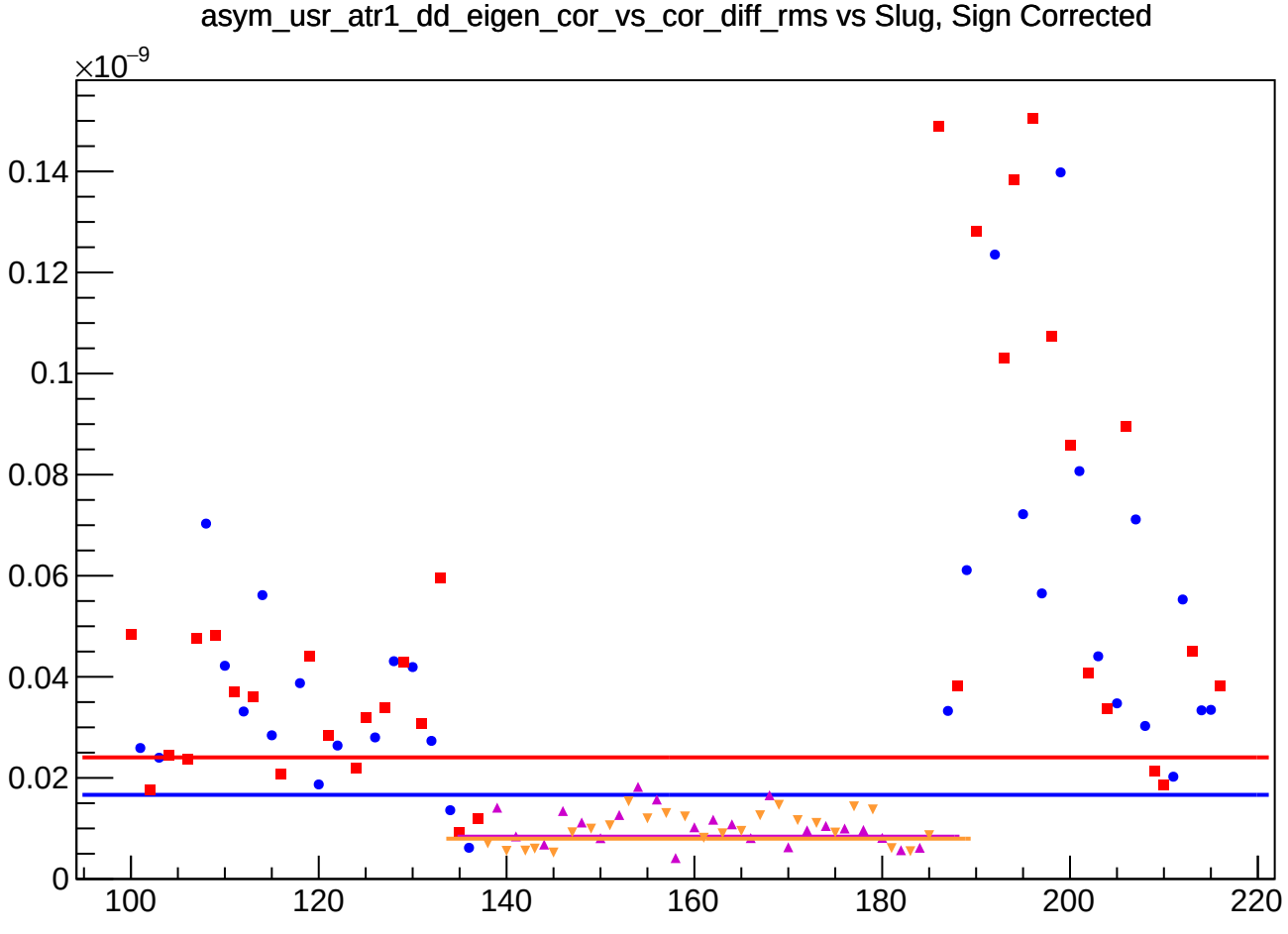
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 59.7/64

In: -0.000+/-0.000 χ^2/NDF:39.1/53

Out: -0.000+/-0.000 χ^2/NDF:59.3/58

All: -0.000+/-0.000 χ^2/NDF: 98.3/112



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: 8281965.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

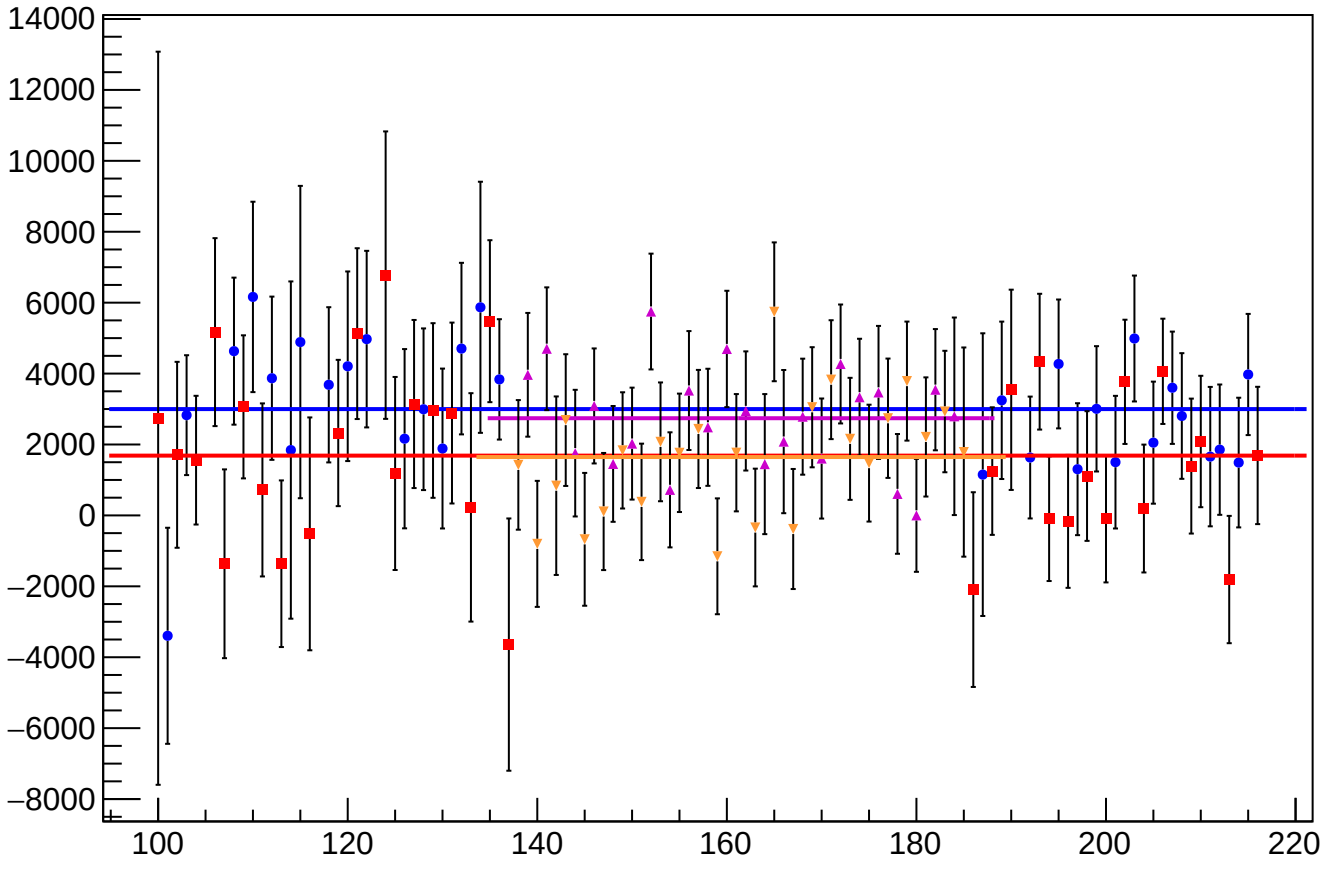
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19985864.3/64

In: 0.000+/-0.000 χ^2/NDF:16192434.9/53

Out: 0.000+/-0.000 χ^2/NDF:17358170.0/58

All: 0.000+/-0.000 χ^2/NDF: 33567814.0/112



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: 1686.148+/-373.038 χ^2/NDF: 31.5/33

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

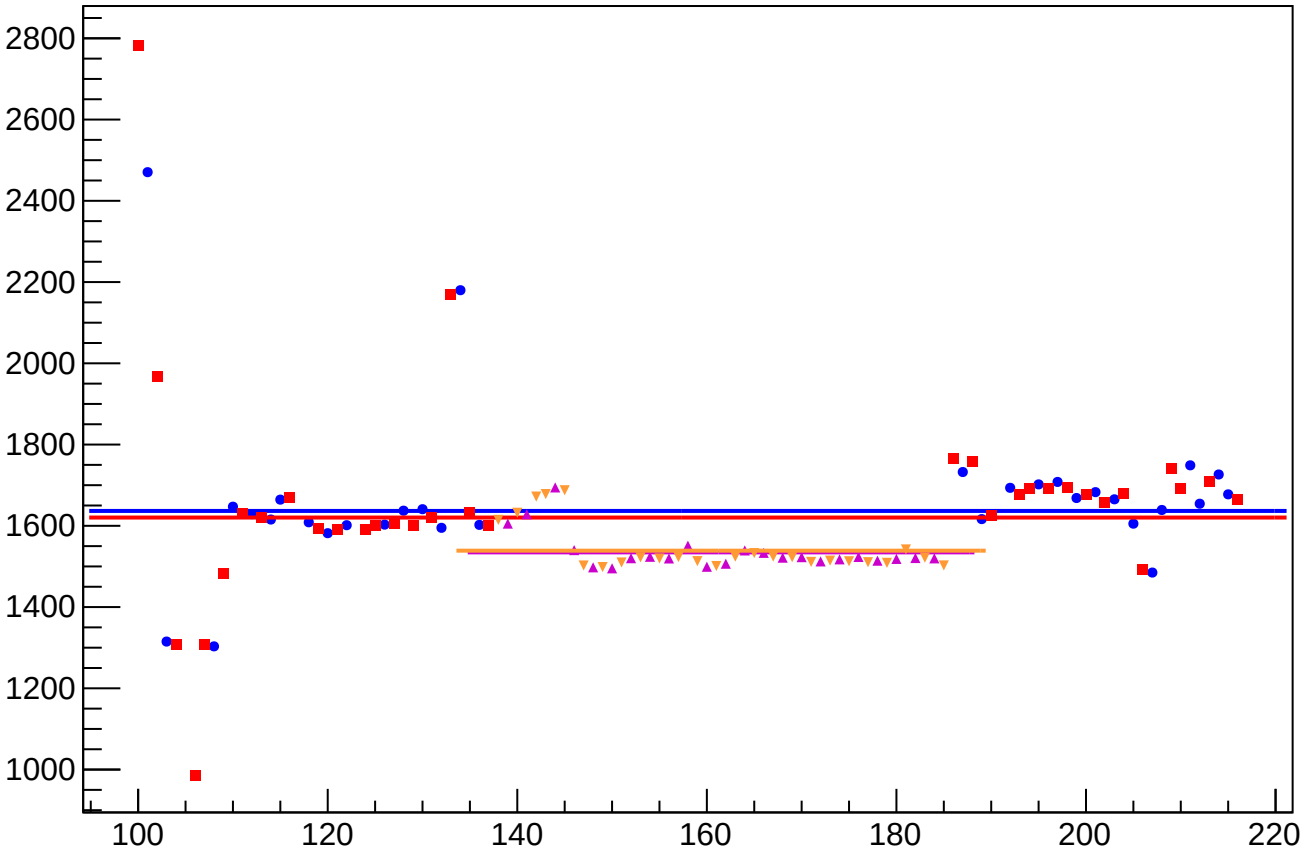
Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

Right: 2340.156+/-264.225 χ^2/NDF: 53.6/64

In: 2864.199+/-258.890 χ^2/NDF:32.6/53

Out: 1664.996+/-255.150 χ^2/NDF:52.6/58

All: 2255.874+/-181.726 χ^2/NDF: 96.0/112



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: 1620.350+/-0.262 χ^2/NDF: 475650.8/33

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

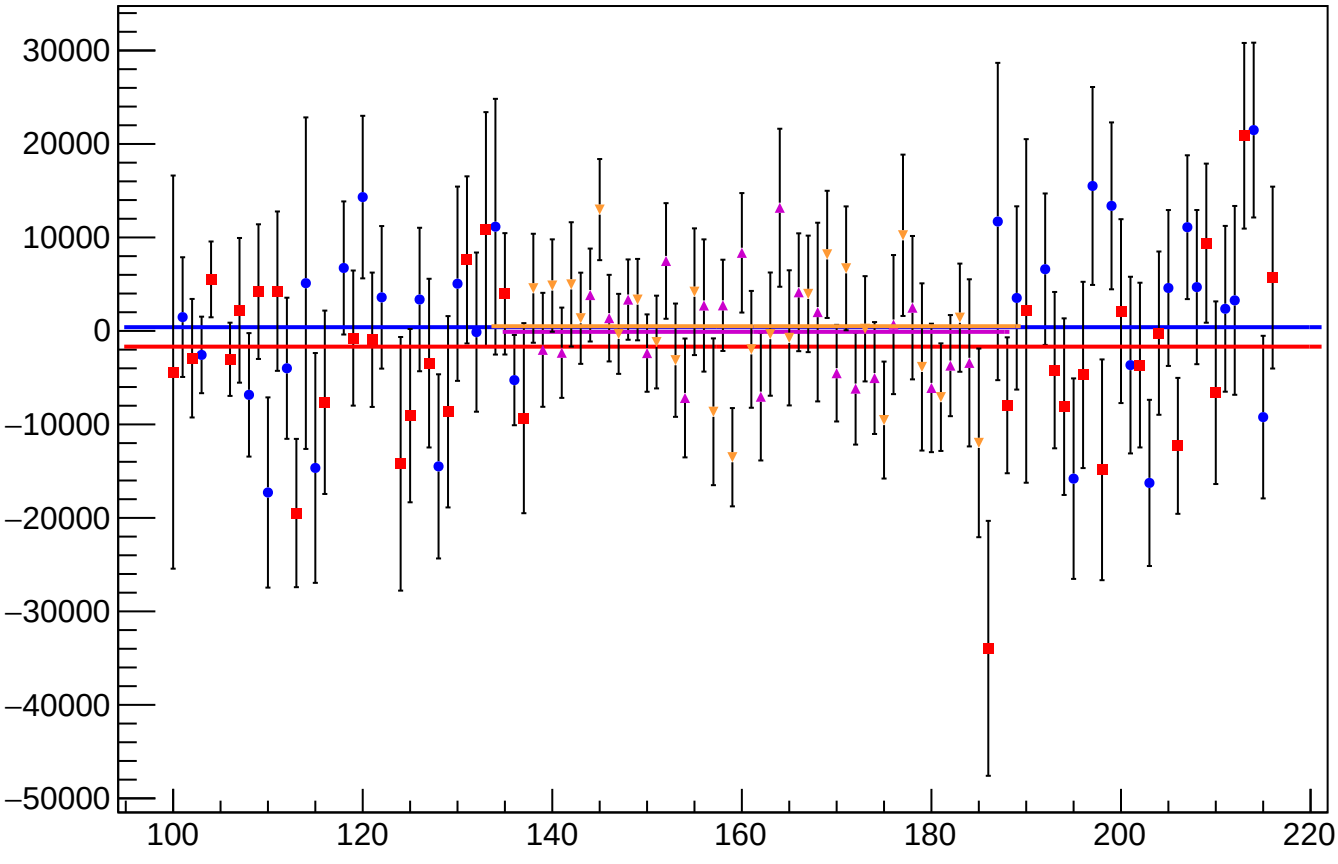
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1628.407+/-0.186 χ^2/NDF: 845159.8/64

In: 1583.417+/-0.183 χ^2/NDF:476211.6/53

Out: 1577.234+/-0.180 χ^2/NDF:573931.7/58

All: 1580.271+/-0.128 χ^2/NDF: 1050723.8/11



Right In: 401.200+/-1460.159 χ^2/NDF: 35.0/30

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -1680.940+/-1374.736 χ^2/NDF: 33.9/33

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

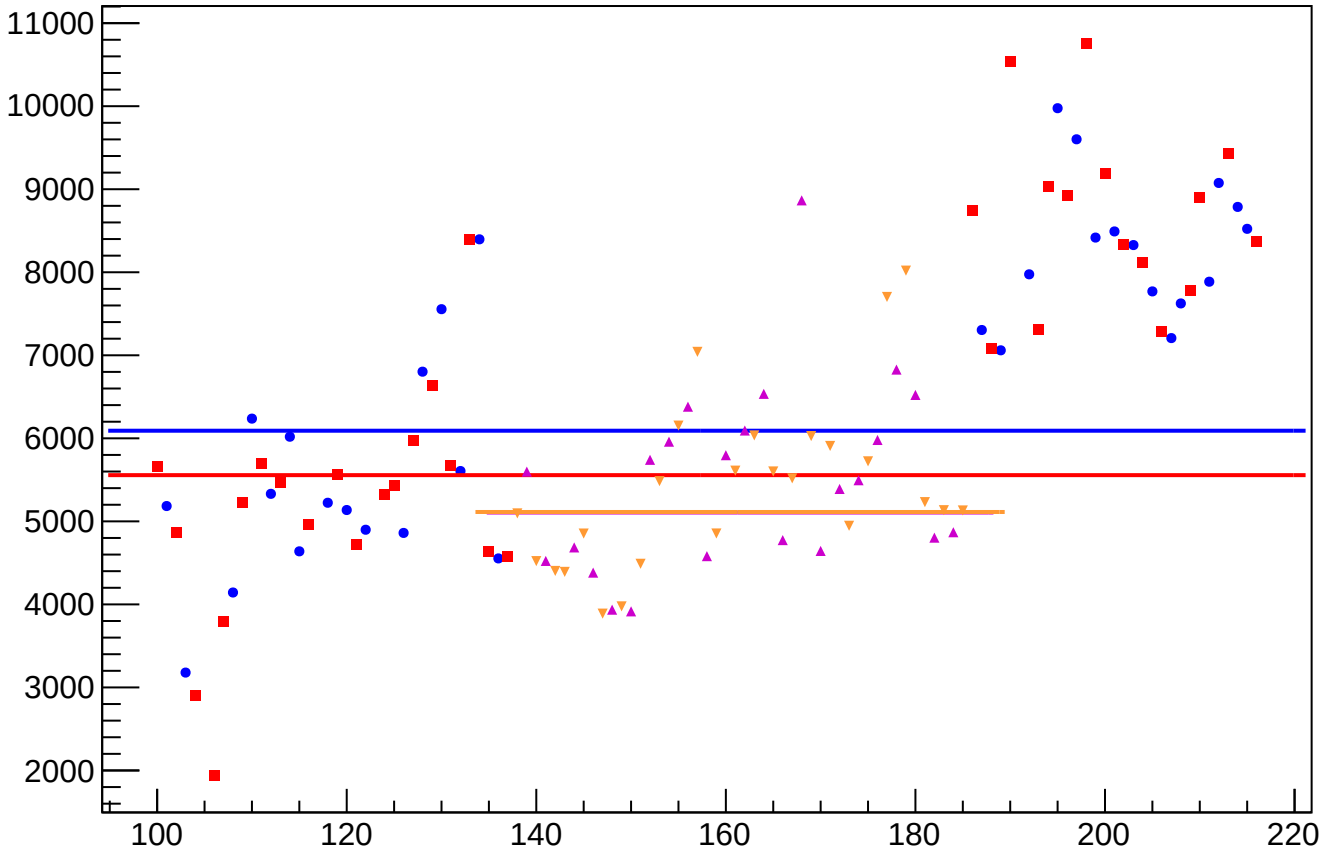
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -702.554+/-1000.922 χ^2/NDF: 69.9/64

In: 106.799+/-935.127 χ^2/NDF:50.0/53

Out: -429.565+/-898.569 χ^2/NDF:62.1/58

All: -172.072+/-647.923 χ^2/NDF: 112.2/112



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: 5556.622+/-0.972 χ^2/NDF: 5836431.3/33

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

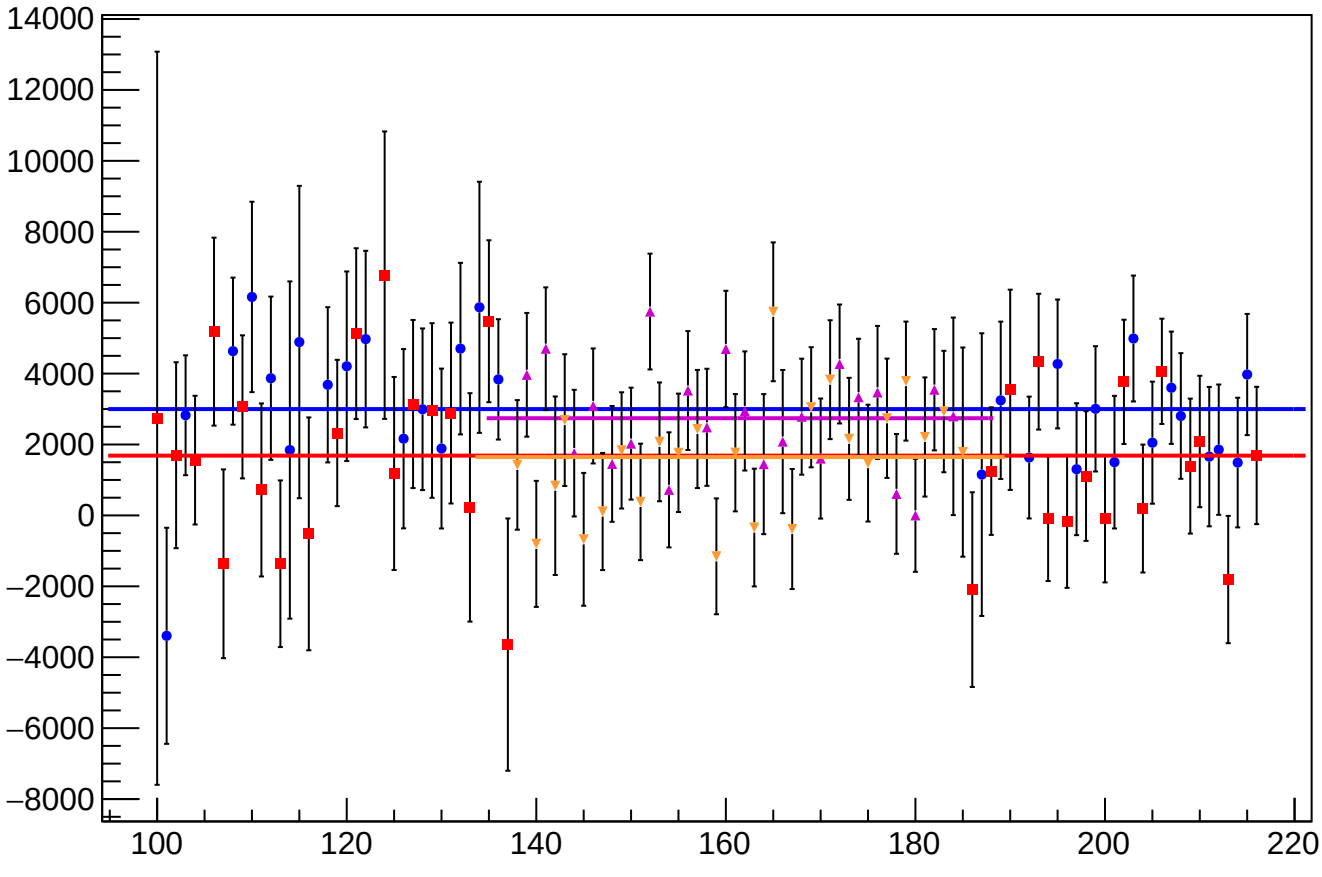
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5808.025+/-0.708 χ^2/NDF: 9507452.0/64

In: 5510.487+/-0.661 χ^2/NDF:5317420.6/53

Out: 5302.503+/-0.635 χ^2/NDF:7114754.3/58

All: 5402.350+/-0.458 χ^2/NDF: 12483614.0/1



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: 1686.170+/-373.039 χ^2/NDF: 31.6/33

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

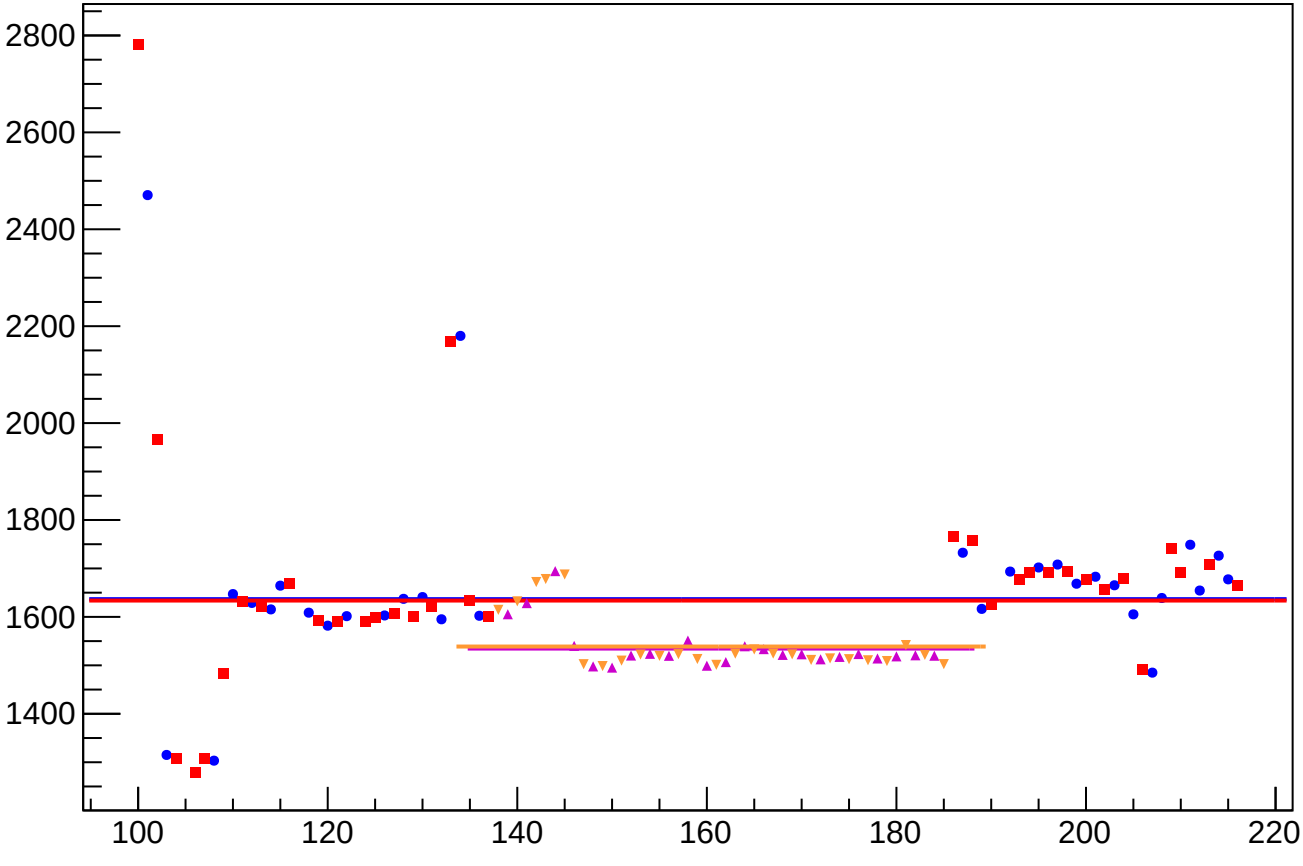
Right: 2340.112+/-264.225 χ^2/NDF: 53.6/64

In: 2864.094+/-258.890 χ^2/NDF:32.6/53

Out: 1664.949+/-255.150 χ^2/NDF:52.6/58

All: 2255.799+/-181.726 χ^2/NDF: 96.1/112

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: 1633.737+/-0.263 χ^2/NDF: 317622.8/33

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

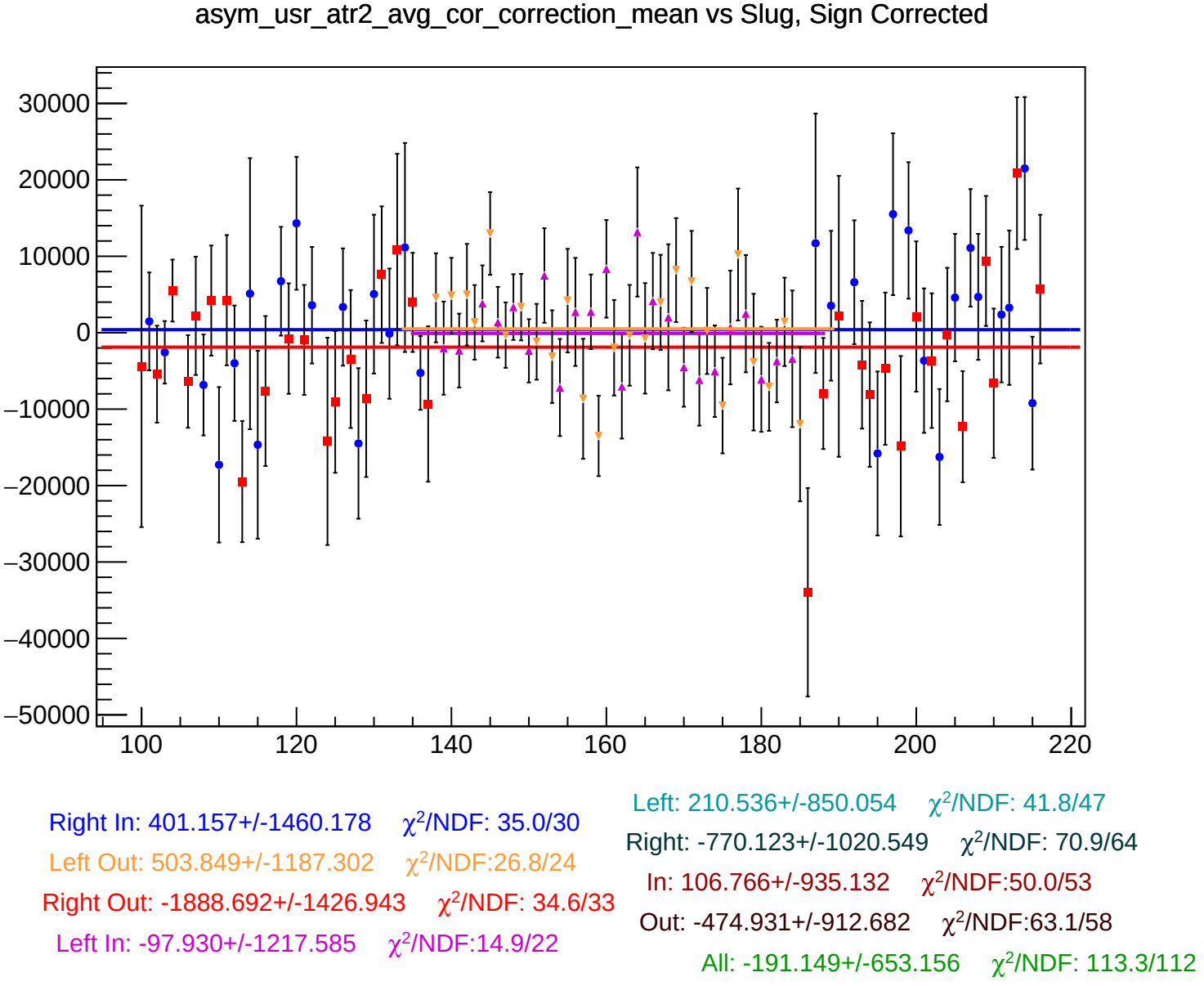
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

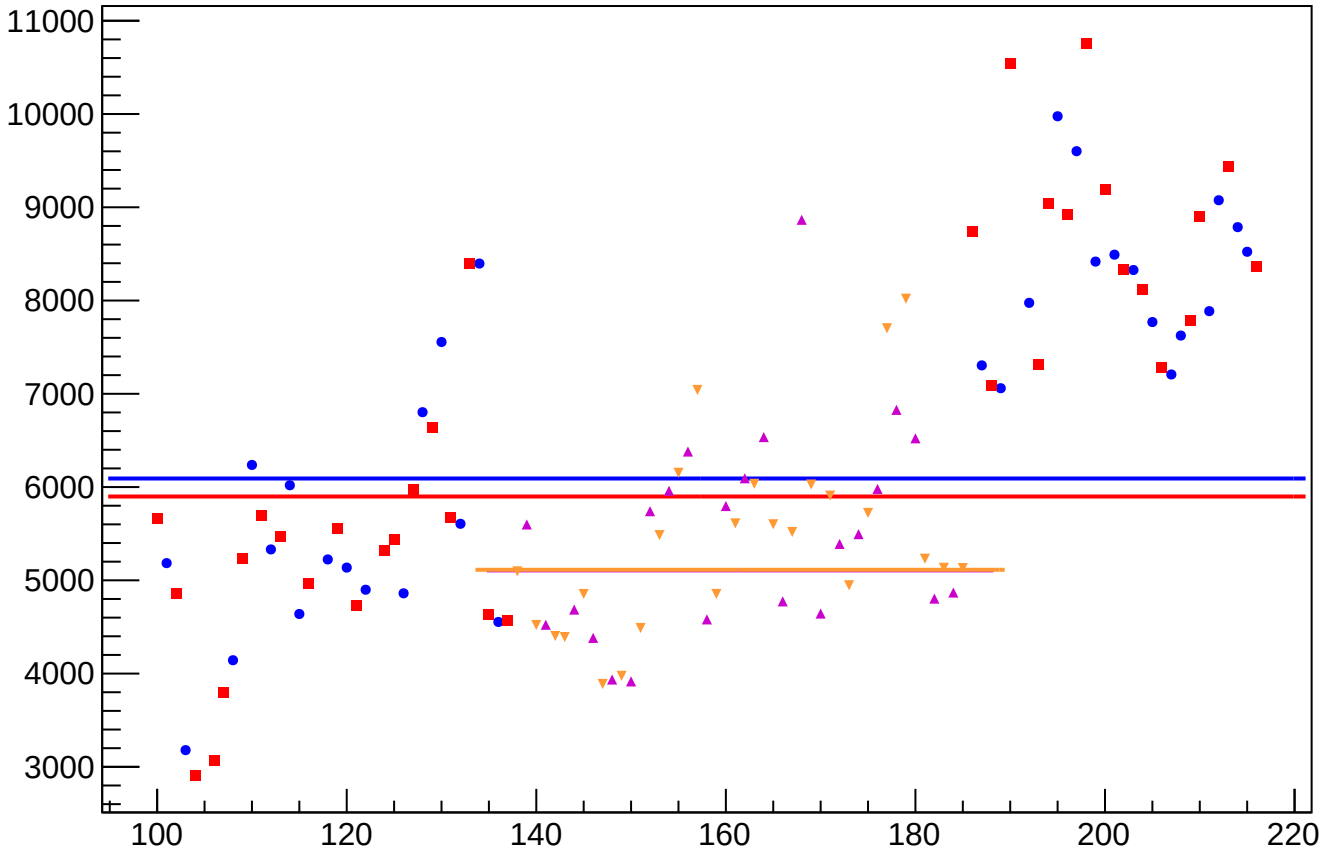
Right: 1635.177+/-0.187 χ^2/NDF: 685279.7/64

In: 1583.417+/-0.183 χ^2/NDF:476210.8/53

Out: 1583.294+/-0.180 χ^2/NDF:433718.5/58

All: 1583.355+/-0.128 χ^2/NDF: 909929.5/112


asym_usr_atr2_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 401.157+/-1460.178 χ²/NDF: 35.0/30
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -1888.692+/-1426.943 χ²/NDF: 34.6/33
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -770.123+/-1020.549 χ²/NDF: 70.9/64
In: 106.766+/-935.132 χ²/NDF:50.0/53
Out: -474.931+/-912.682 χ²/NDF:63.1/58
All: -191.149+/-653.156 χ²/NDF: 113.3/112



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: 5898.728+/-1.009 χ^2/NDF: 4352881.2/33

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

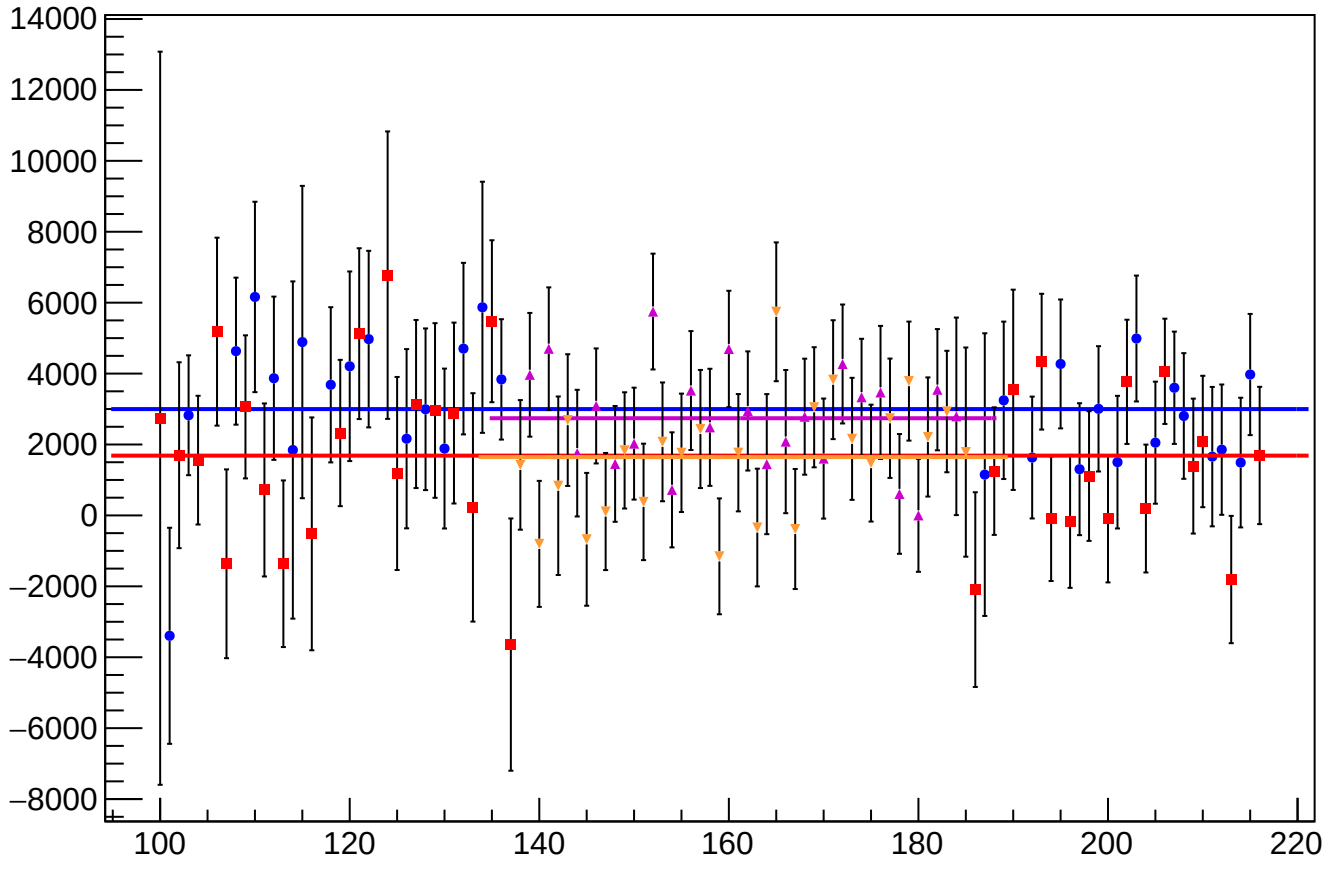
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5993.022+/-0.722 χ^2/NDF: 7898996.3/64

In: 5510.528+/-0.661 χ^2/NDF:5317101.0/53

Out: 5434.407+/-0.645 χ^2/NDF:5870278.5/58

All: 5471.543+/-0.462 χ^2/NDF: 11194166.6/1



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: 1686.170+/-373.039 χ^2/NDF: 31.6/33

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

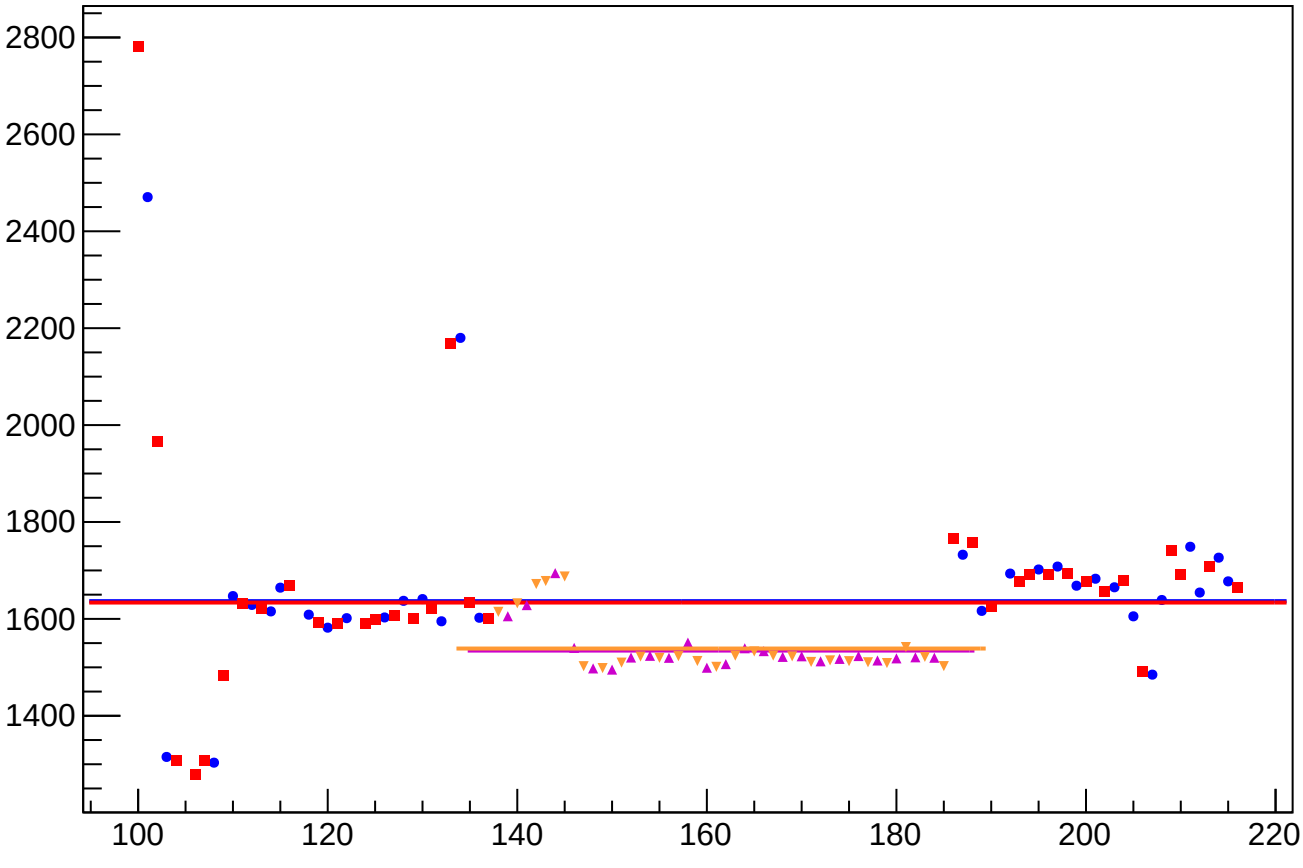
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2340.112+/-264.225 χ^2/NDF: 53.6/64

In: 2864.094+/-258.890 χ^2/NDF:32.6/53

Out: 1664.949+/-255.150 χ^2/NDF:52.6/58

All: 2255.799+/-181.726 χ^2/NDF: 96.1/112



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: 1633.737+/-0.263 χ^2/NDF: 317622.8/33

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

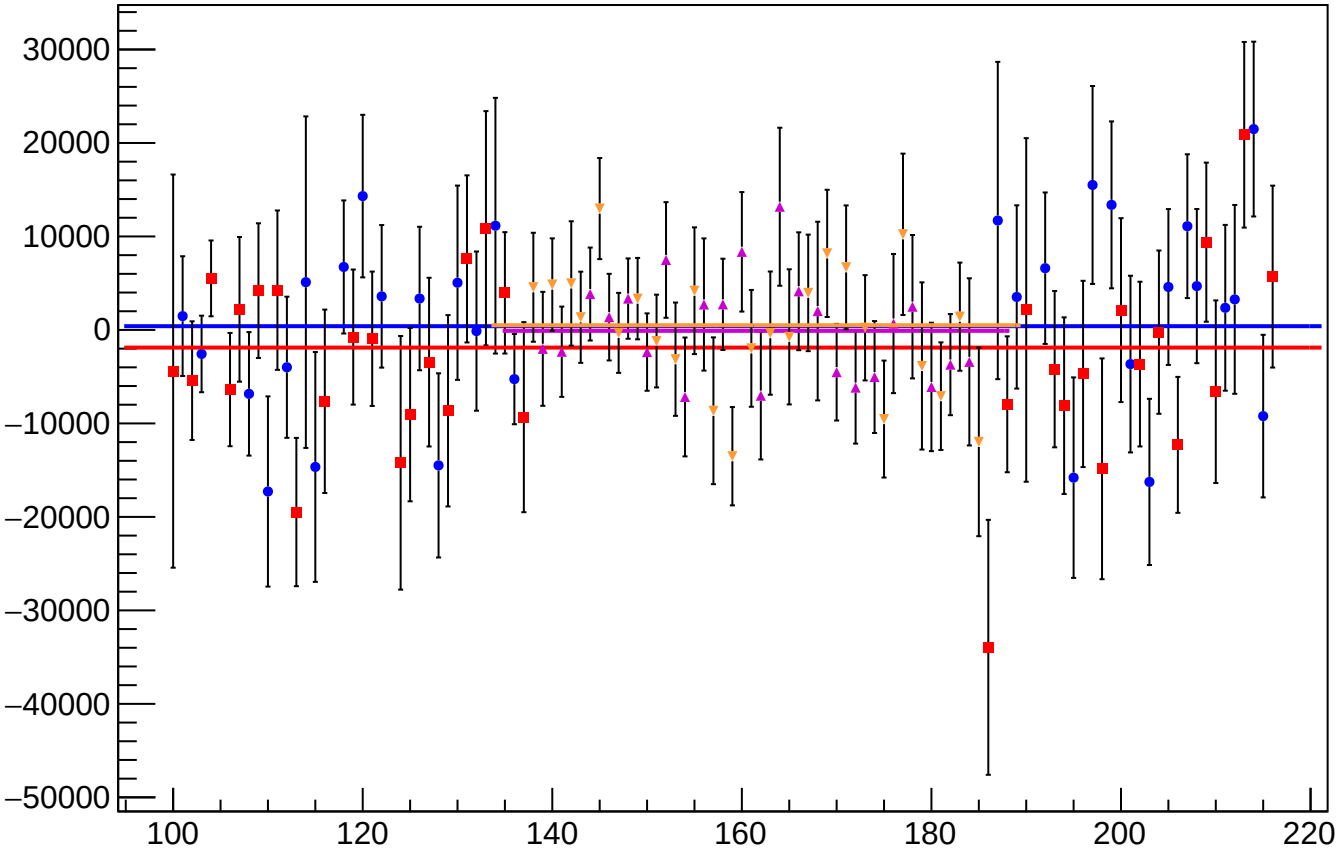
Right: 1635.177+/-0.187 χ^2/NDF: 685279.7/64

In: 1583.417+/-0.183 χ^2/NDF:476210.8/53

Out: 1583.294+/-0.180 χ^2/NDF:433718.5/58

All: 1583.355+/-0.128 χ^2/NDF: 909929.5/112

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: -1888.692+/-1426.943 χ^2/NDF: 34.6/33

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

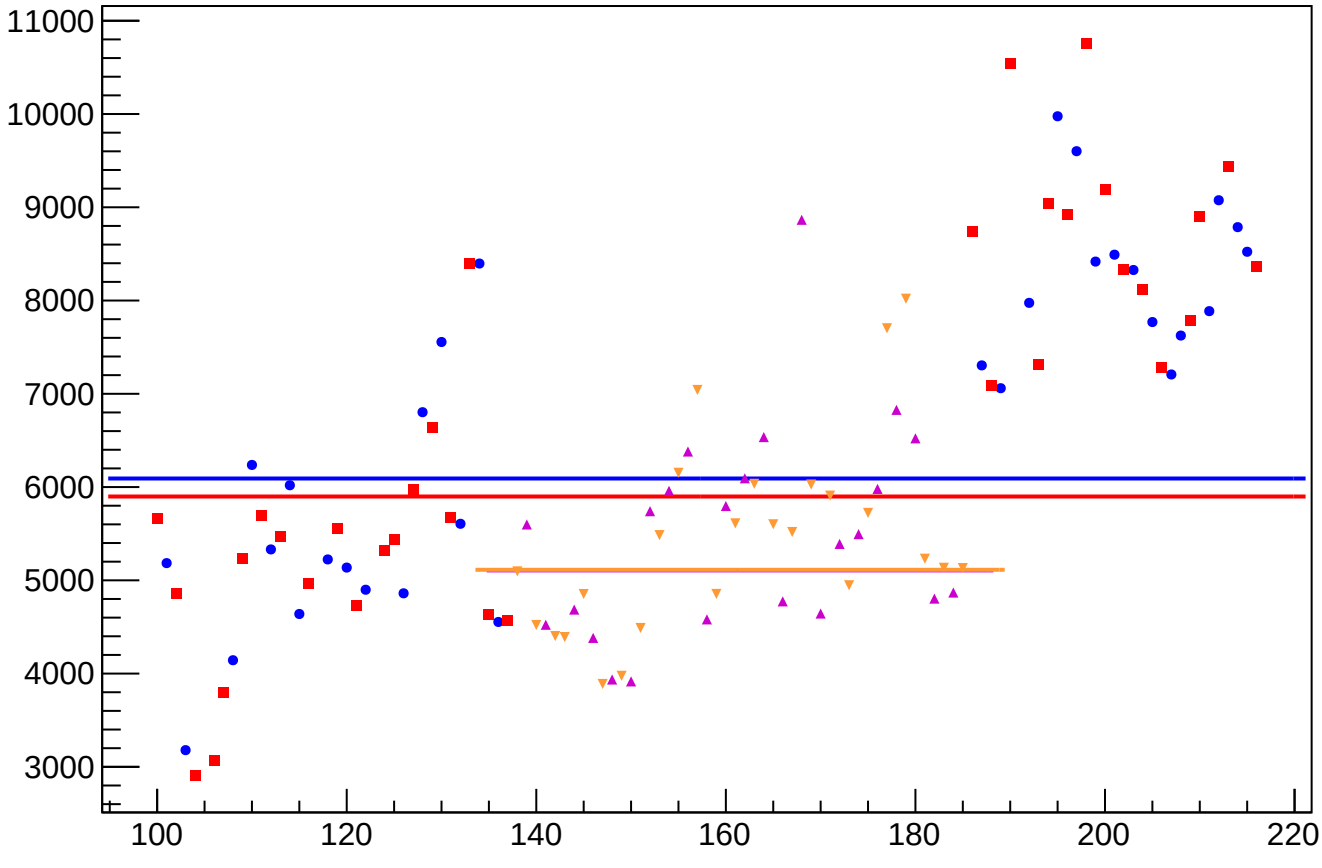
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -770.123+/-1020.549 χ^2/NDF: 70.9/64

In: 106.766+/-935.132 χ^2/NDF:50.0/53

Out: -474.931+/-912.682 χ^2/NDF:63.1/58

All: -191.149+/-653.156 χ^2/NDF: 113.3/112



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: 5898.728+/-1.009 χ^2/NDF: 4352881.2/33

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

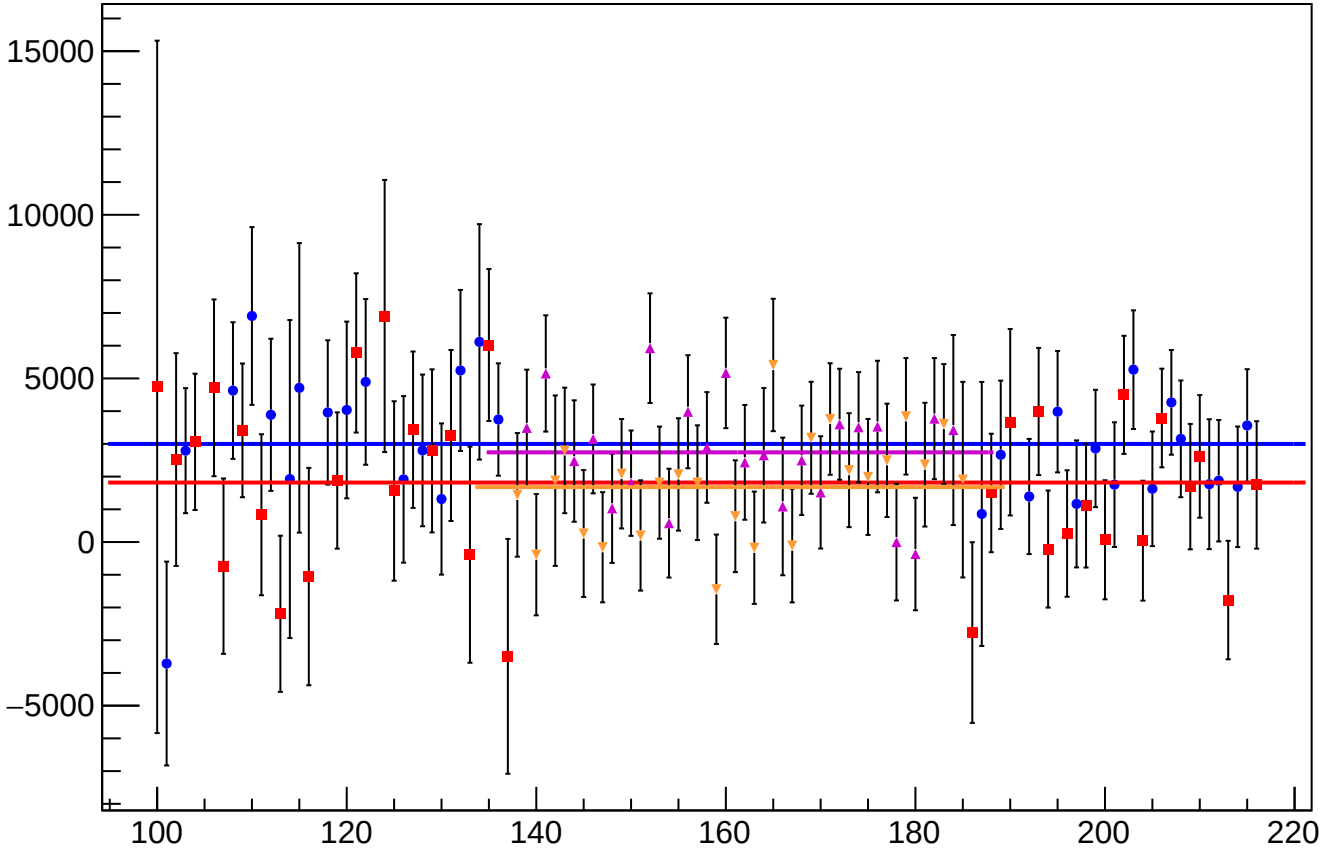
Right: 5993.022+/-0.722 χ^2/NDF: 7898996.3/64

In: 5510.528+/-0.661 χ^2/NDF:5317101.0/53

Out: 5434.407+/-0.645 χ^2/NDF:5870278.5/58

All: 5471.543+/-0.462 χ^2/NDF: 11194166.6/

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



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: 1817.744+/-381.611 χ^2/NDF: 34.3/33

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

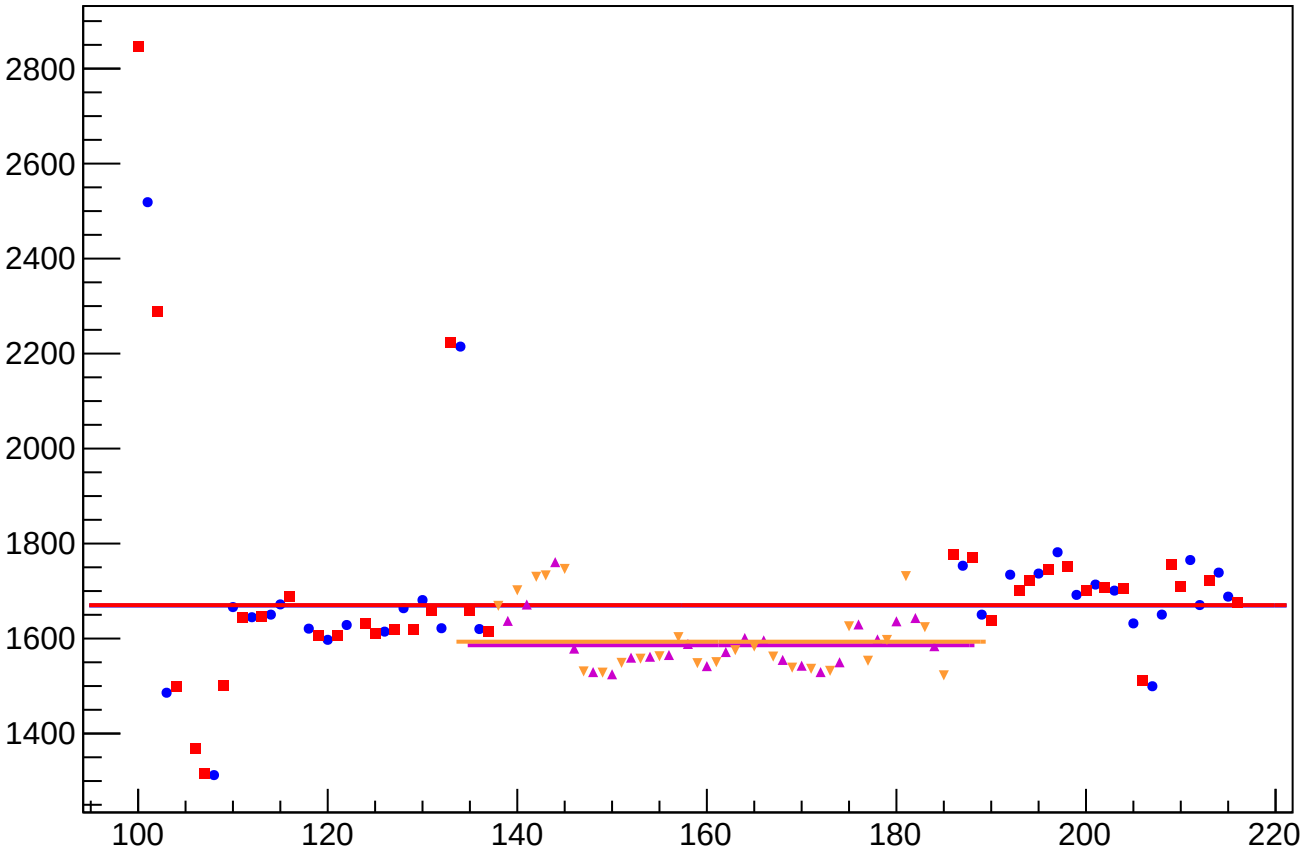
Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

Right: 2407.582+/-269.869 χ^2/NDF: 57.1/64

In: 2865.386+/-265.891 χ^2/NDF:37.4/53

Out: 1744.876+/-262.781 χ^2/NDF:53.3/58

All: 2298.539+/-186.904 χ^2/NDF: 99.7/112



Right In: 1669.596+/-0.270 χ^2/NDF: 324686.6/30

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1670.331+/-0.270 χ^2/NDF: 296884.9/33

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

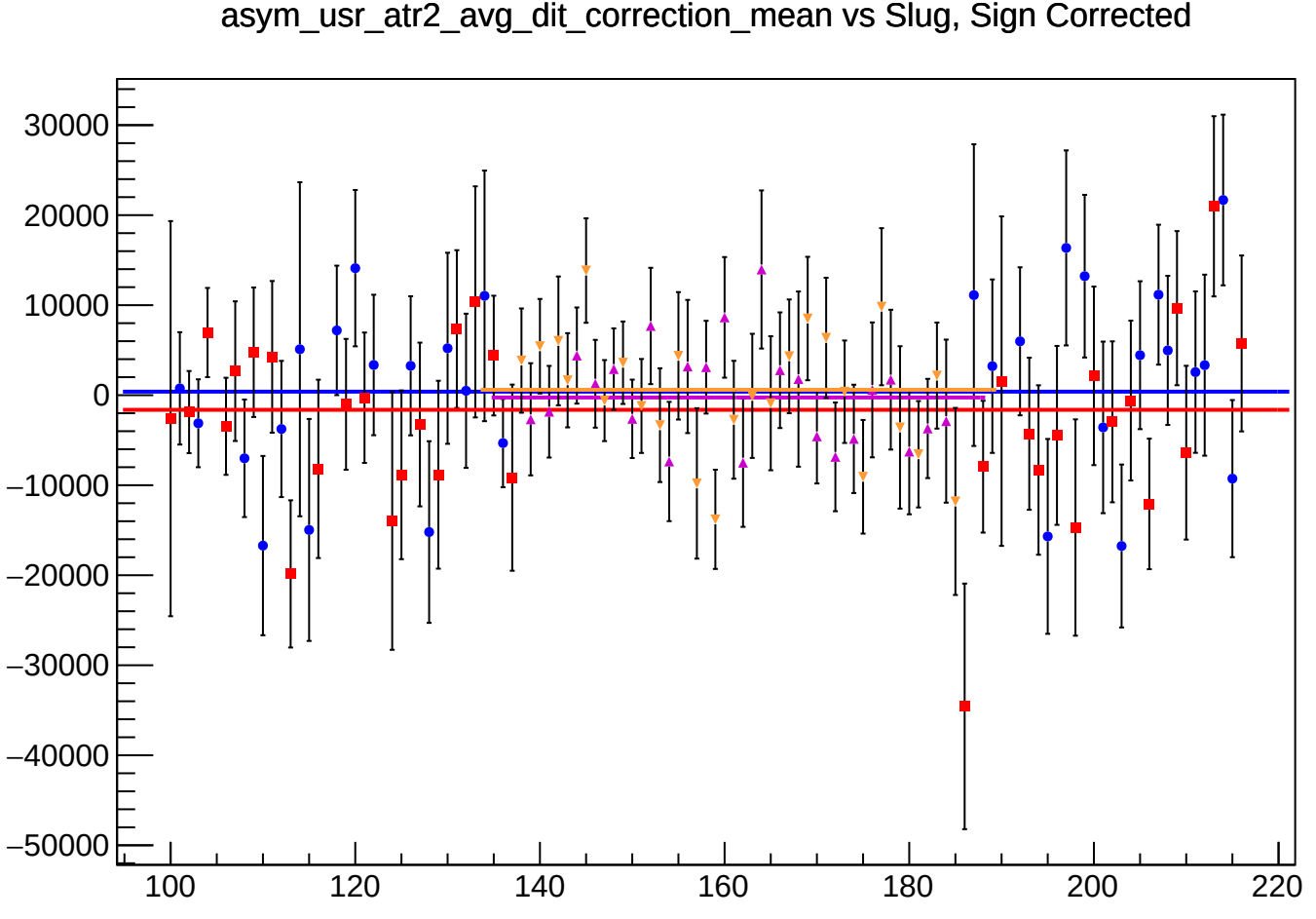
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1669.964+/-0.191 χ^2/NDF: 621575.2/64

In: 1626.523+/-0.188 χ^2/NDF:416078.5/53

Out: 1629.886+/-0.186 χ^2/NDF:411530.2/58

All: 1628.225+/-0.132 χ^2/NDF: 827770.6/112



Right In: 392.785+/-1495.310 χ^2/NDF: 34.9/30

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1626.638+/-1420.364 χ^2/NDF: 33.7/33

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

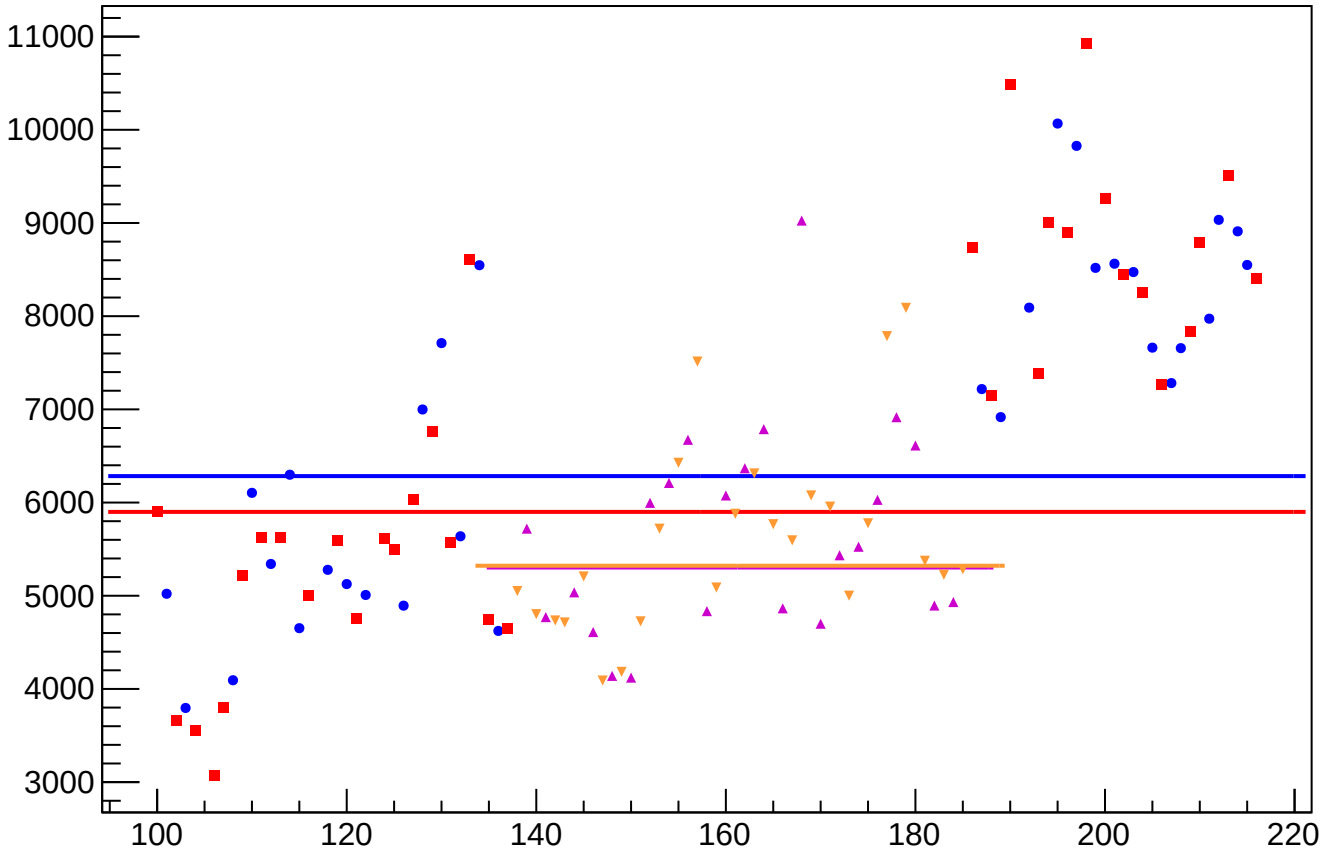
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -668.801+/-1029.825 χ^2/NDF: 69.5/64

In: 14.092+/-964.701 χ^2/NDF:49.6/53

Out: -356.325+/-931.350 χ^2/NDF:61.1/58

All: -177.630+/-670.044 χ^2/NDF: 110.8/112



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: 5899.737+/-1.004 χ^2/NDF: 4276025.8/33

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

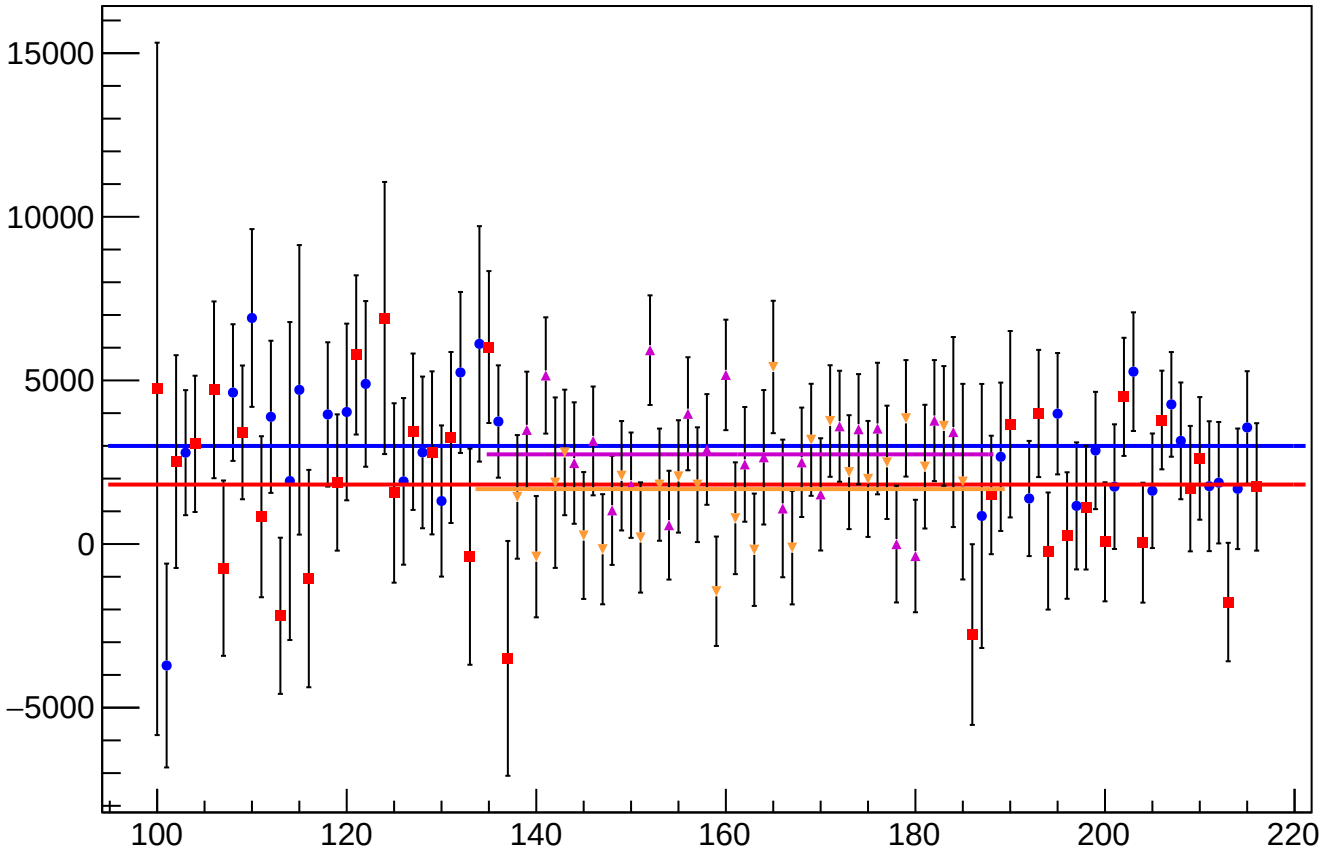
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 6081.937+/-0.728 χ^2/NDF: 7348515.1/64

In: 5711.170+/-0.682 χ^2/NDF:4658025.4/53

Out: 5570.378+/-0.659 χ^2/NDF:5501688.4/58

All: 5638.299+/-0.474 χ^2/NDF: 10181762.6/1



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: 1817.746+/-381.611 χ^2/NDF: 34.3/33

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

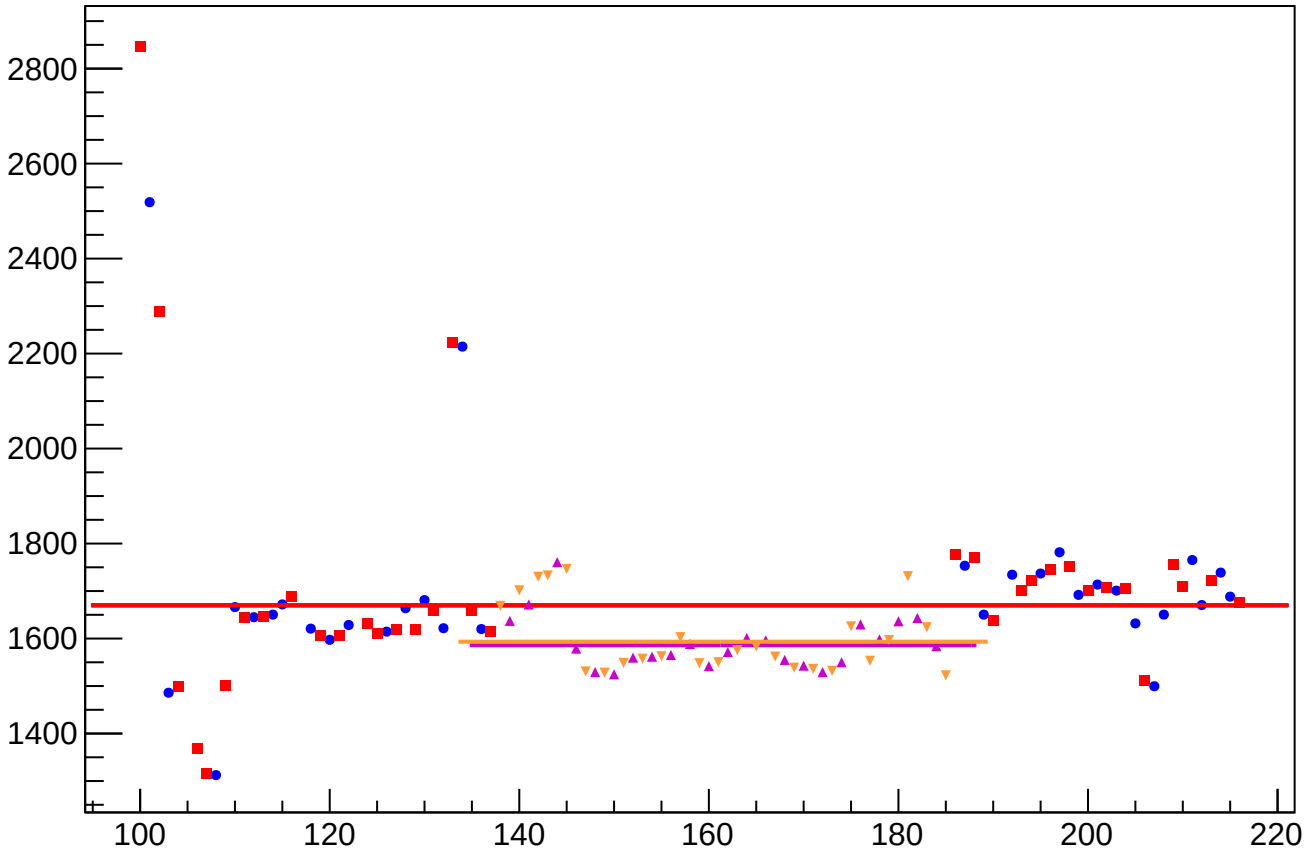
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2407.581+/-269.869 χ^2/NDF: 57.1/64

In: 2865.384+/-265.891 χ^2/NDF:37.4/53

Out: 1744.873+/-262.781 χ^2/NDF:53.3/58

All: 2298.537+/-186.904 χ^2/NDF: 99.7/112



Right In: 1669.595+/-0.270 χ^2/NDF: 324686.9/30

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1670.331+/-0.270 χ^2/NDF: 296884.9/33

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

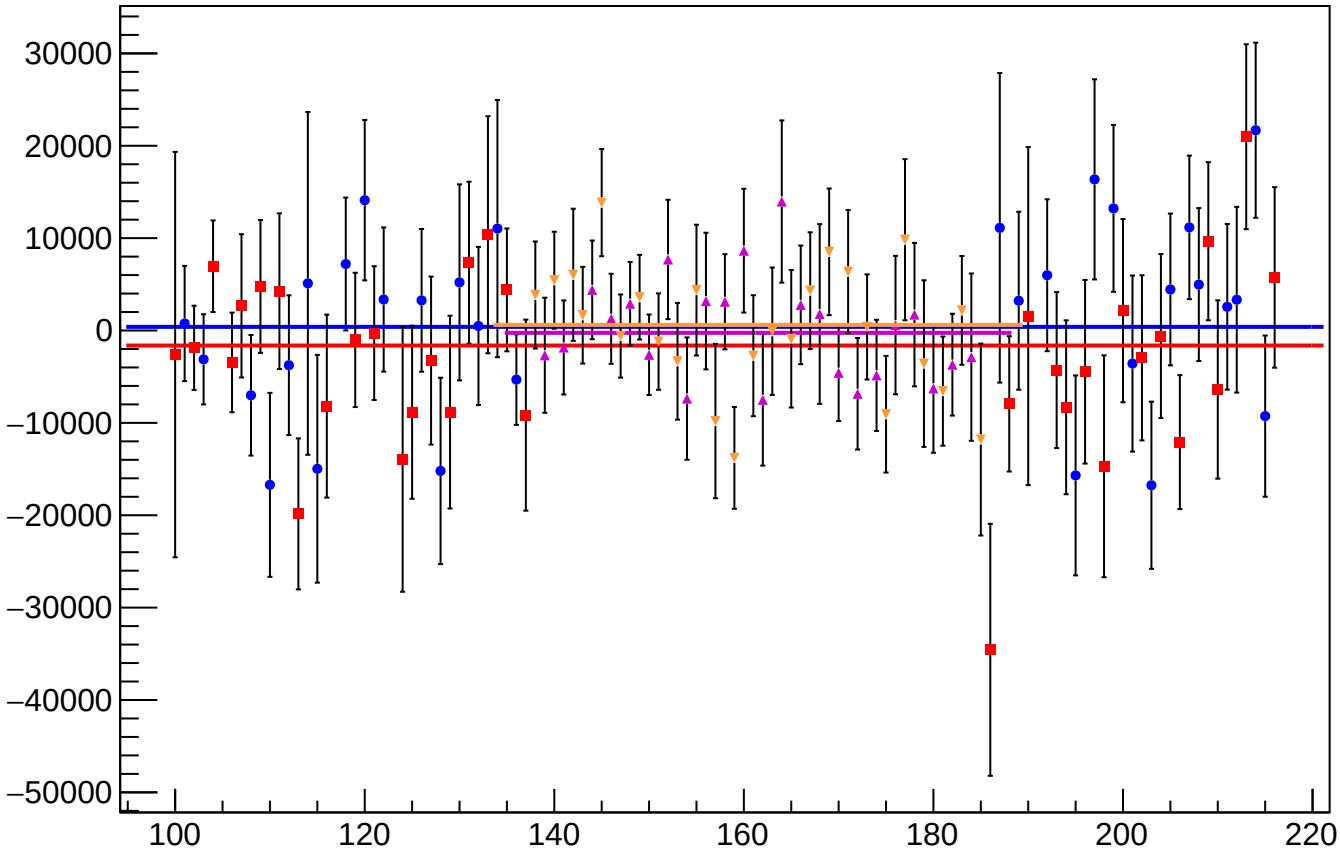
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1669.963+/-0.191 χ^2/NDF: 621575.5/64

In: 1626.524+/-0.188 χ^2/NDF:416077.2/53

Out: 1629.887+/-0.186 χ^2/NDF:411529.0/58

All: 1628.225+/-0.132 χ^2/NDF: 827768.0/112



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: -1626.635+/-1420.363 χ^2/NDF: 33.7/33

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

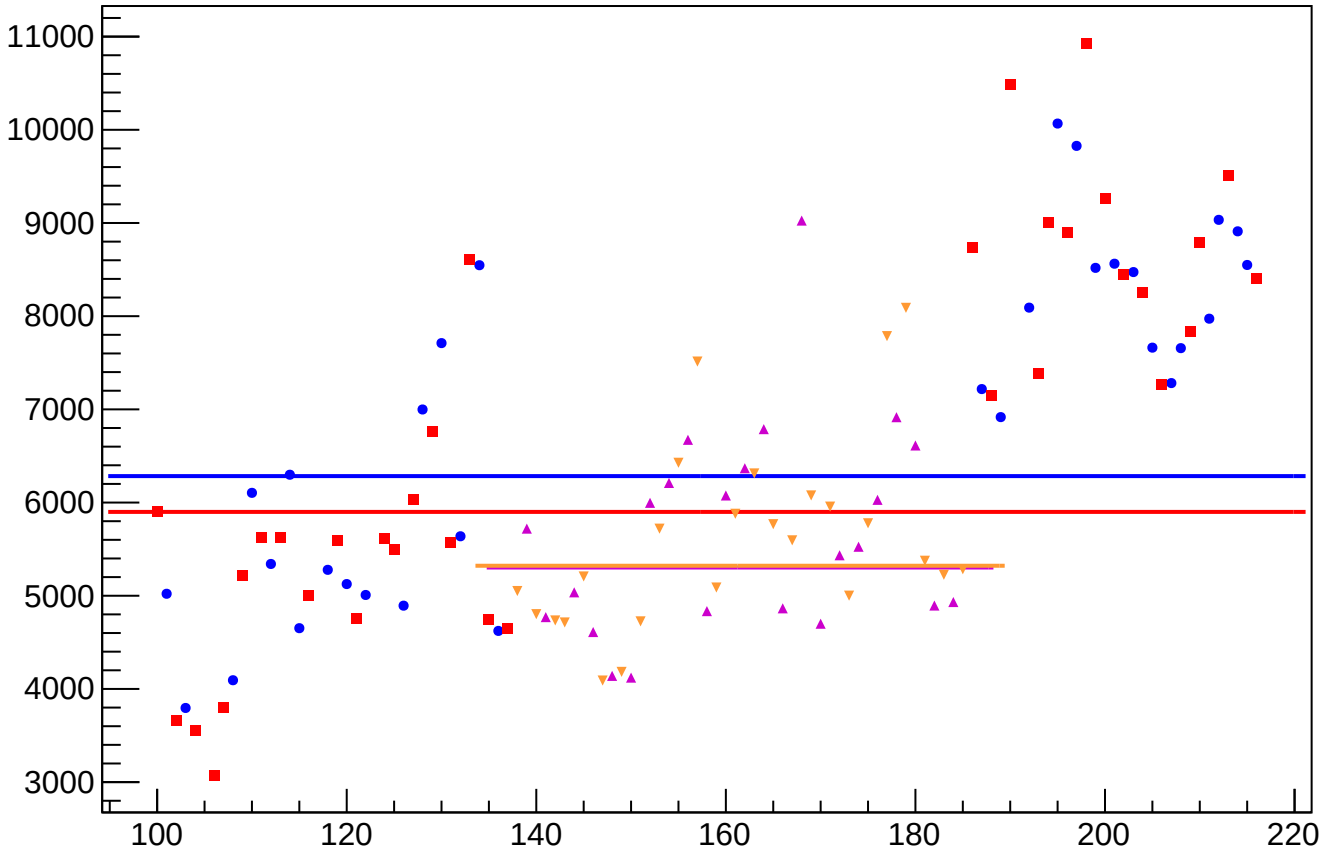
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -668.798+/-1029.825 χ^2/NDF: 69.5/64

In: 14.094+/-964.702 χ^2/NDF:49.6/53

Out: -356.328+/-931.351 χ^2/NDF:61.1/58

All: -177.631+/-670.045 χ^2/NDF: 110.8/112



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: 5899.732+/-1.004 χ^2/NDF: 4276045.2/33

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

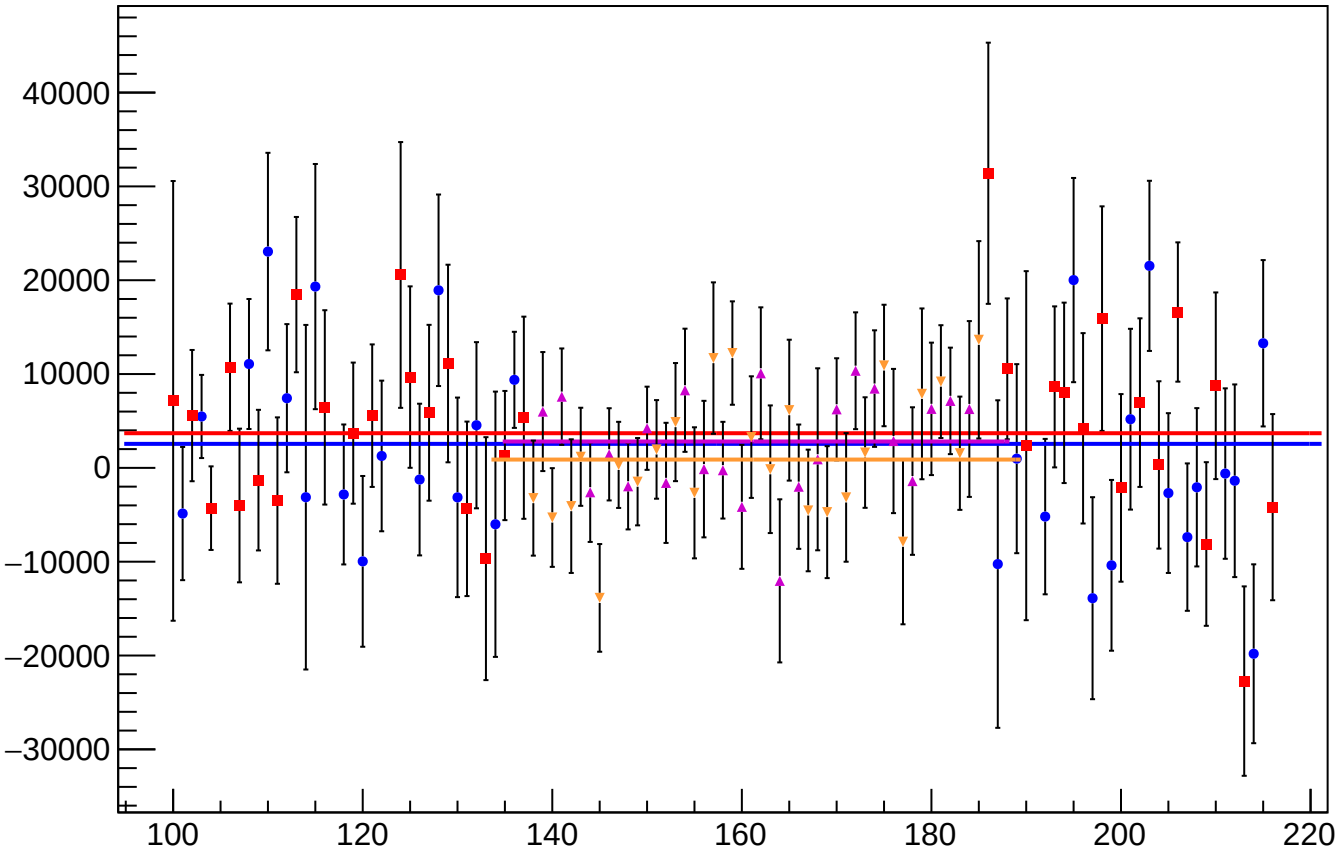
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 6081.932+/-0.728 χ^2/NDF: 7348553.1/64

In: 5711.175+/-0.682 χ^2/NDF:4658034.0/53

Out: 5570.382+/-0.659 χ^2/NDF:5501700.2/58

All: 5638.303+/-0.474 χ^2/NDF: 10181783.1/1



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: 3693.511+/-1498.529 χ^2/NDF: 33.6/33

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

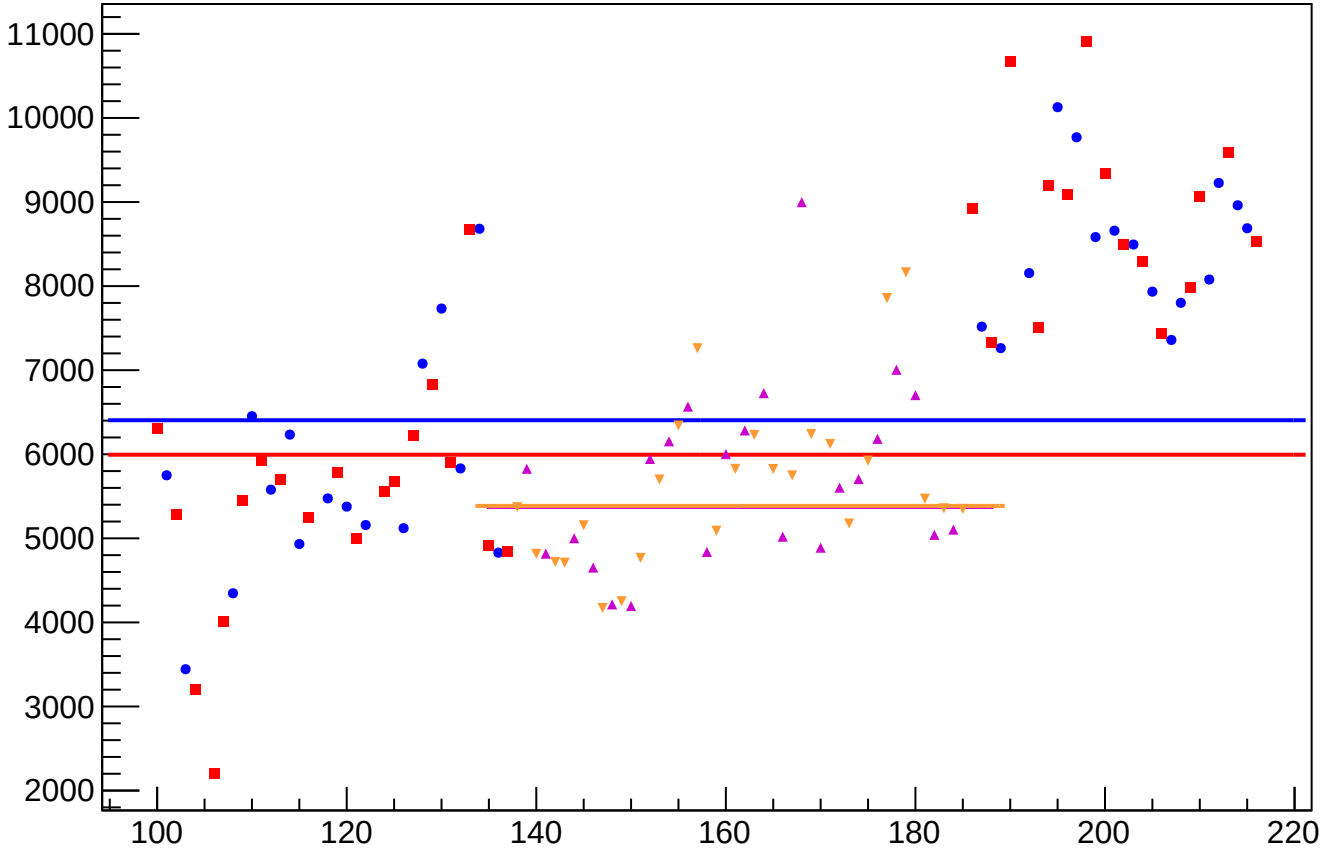
Right: 3135.914+/-1068.922 χ^2/NDF: 72.9/64

In: 2706.660+/-979.221 χ^2/NDF:53.7/53

Out: 2033.838+/-958.303 χ^2/NDF:61.3/58

All: 2362.986+/-684.898 χ^2/NDF: 115.3/112

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: 5994.522+/-1.033 χ^2/NDF: 4796605.0/33

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

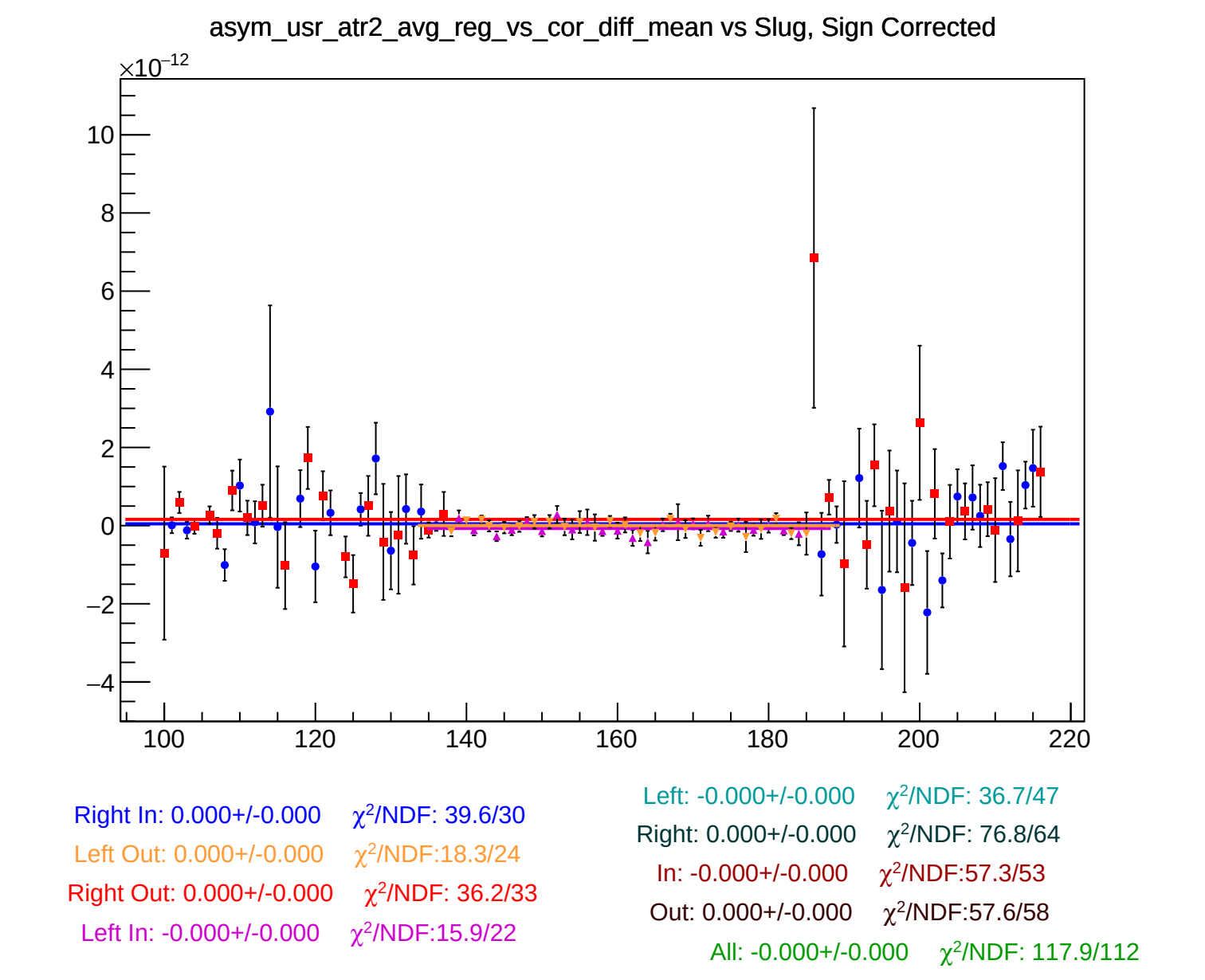
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

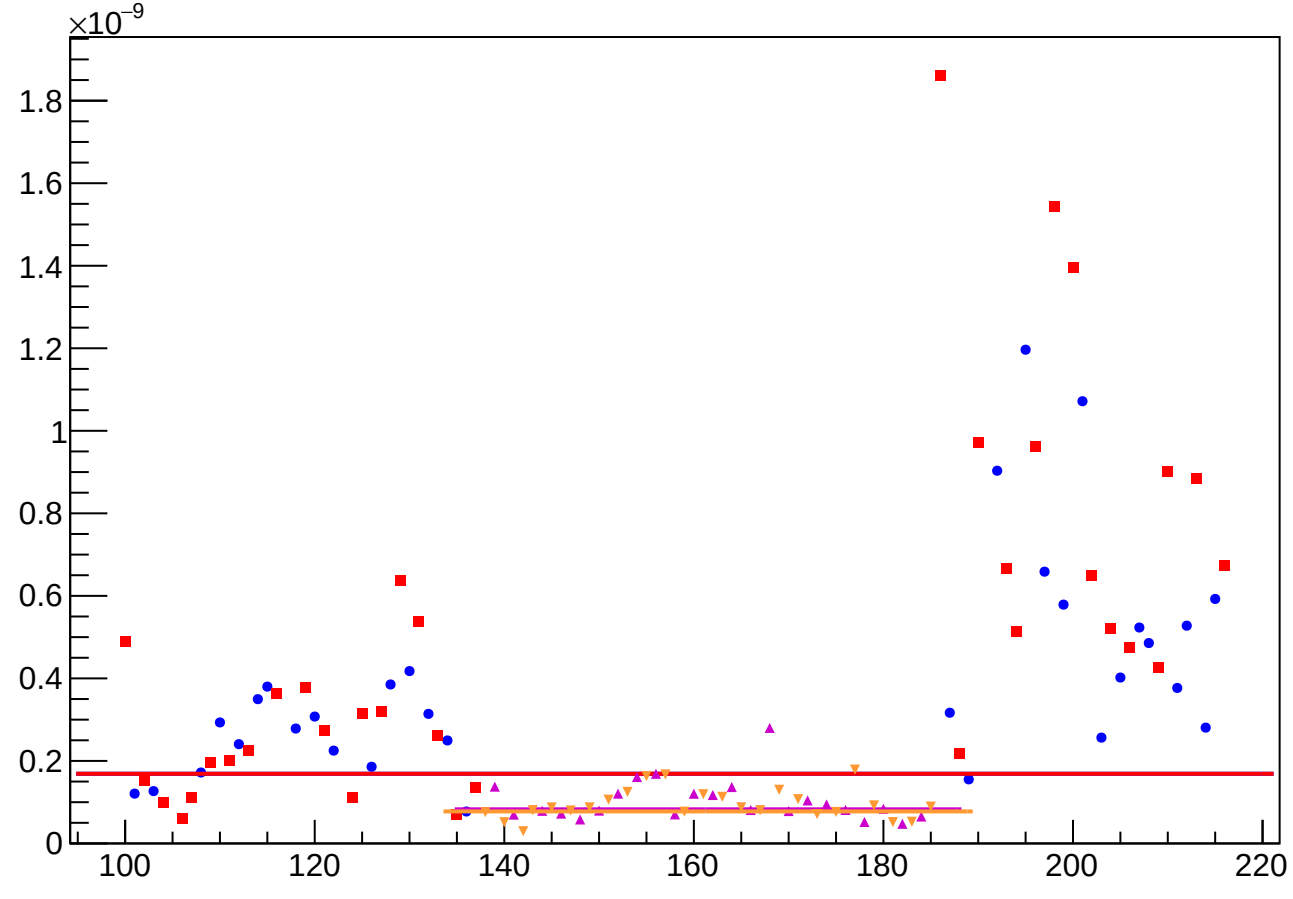
Right: 6190.895+/-0.746 χ^2/NDF: 7967088.3/64

In: 5798.229+/-0.692 χ^2/NDF:4705004.3/53

Out: 5642.072+/-0.671 χ^2/NDF:5984658.5/58

All: 5717.652+/-0.482 χ^2/NDF: 10715907.6/1


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: 36.2/33
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: 76.8/64
In: -0.000+/-0.000 χ²/NDF:57.3/53
Out: 0.000+/-0.000 χ²/NDF:57.6/58
All: -0.000+/-0.000 χ²/NDF: 117.9/112



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: 8178830.2/33

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

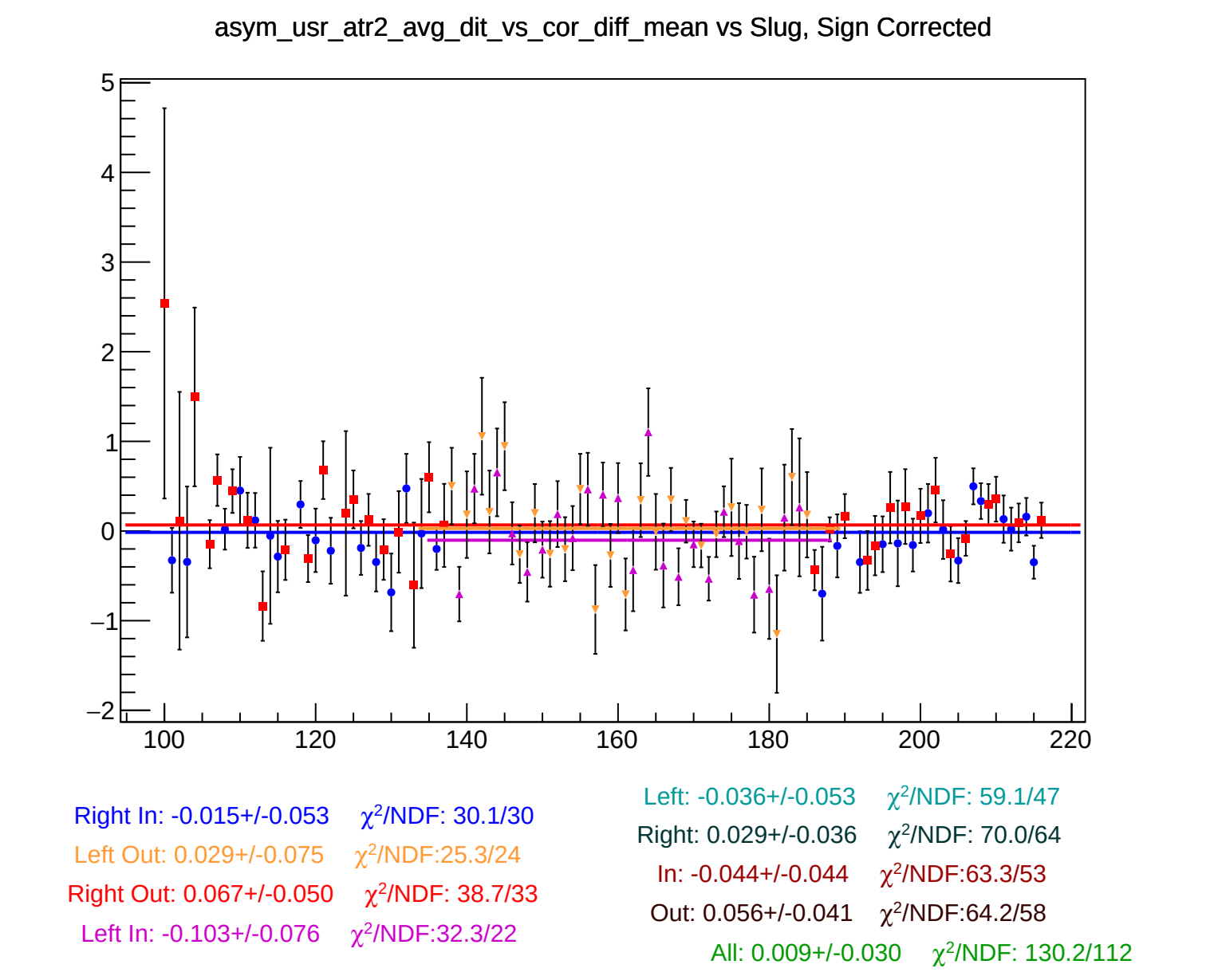
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

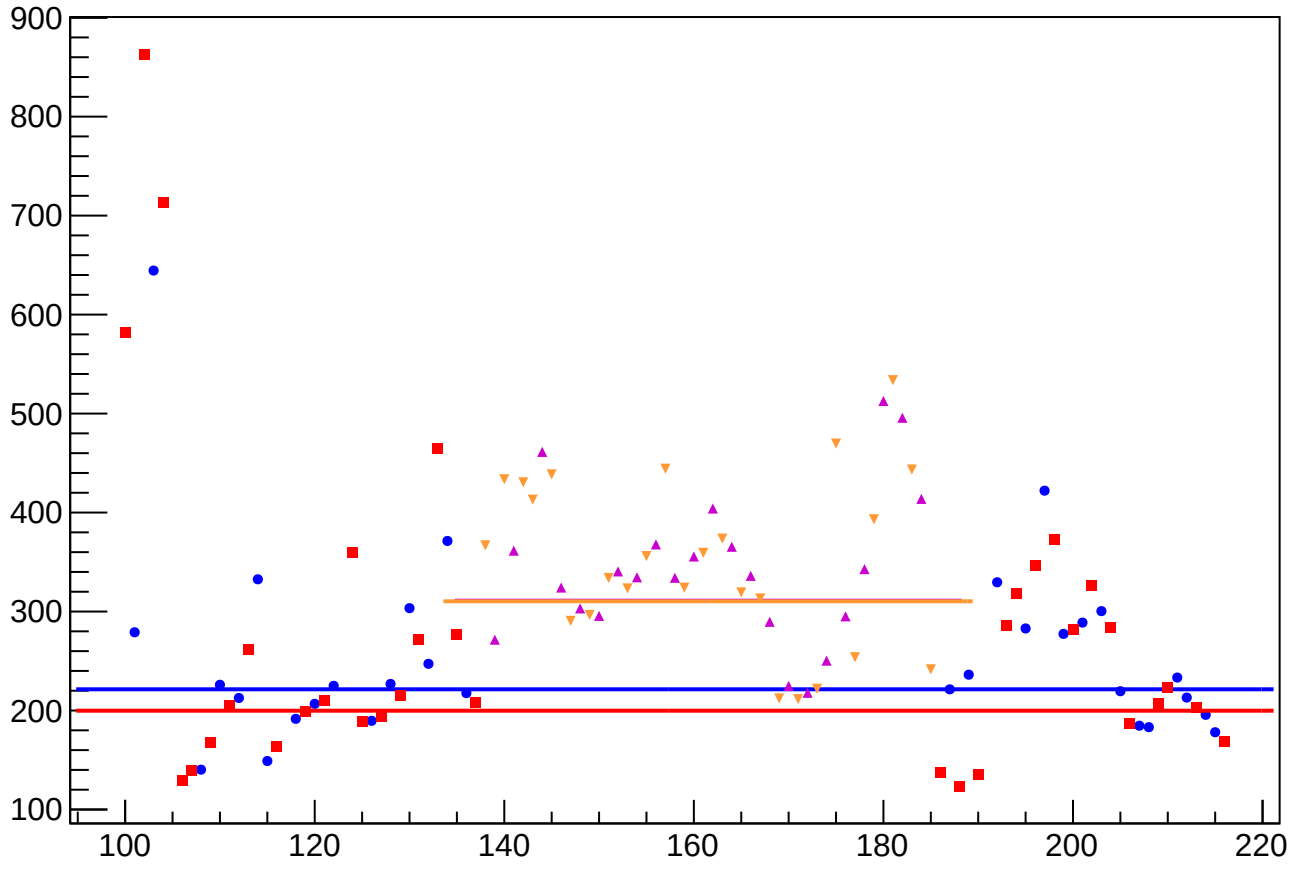
Right: 0.000+/-0.000 χ^2/NDF: 14267378.9/64

In: 0.000+/-0.000 χ^2/NDF:9605923.8/53

Out: 0.000+/-0.000 χ^2/NDF:11868950.7/58

All: 0.000+/-0.000 χ^2/NDF: 21529288.1/112


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.015+/-0.053 χ²/NDF: 30.1/30
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.067+/-0.050 χ²/NDF: 38.7/33
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: 0.029+/-0.036 χ²/NDF: 70.0/64
In: -0.044+/-0.044 χ²/NDF:63.3/53
Out: 0.056+/-0.041 χ²/NDF:64.2/58
All: 0.009+/-0.030 χ²/NDF: 130.2/112



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: 199.830+/-0.035 χ^2/NDF: 4409673.6/33

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

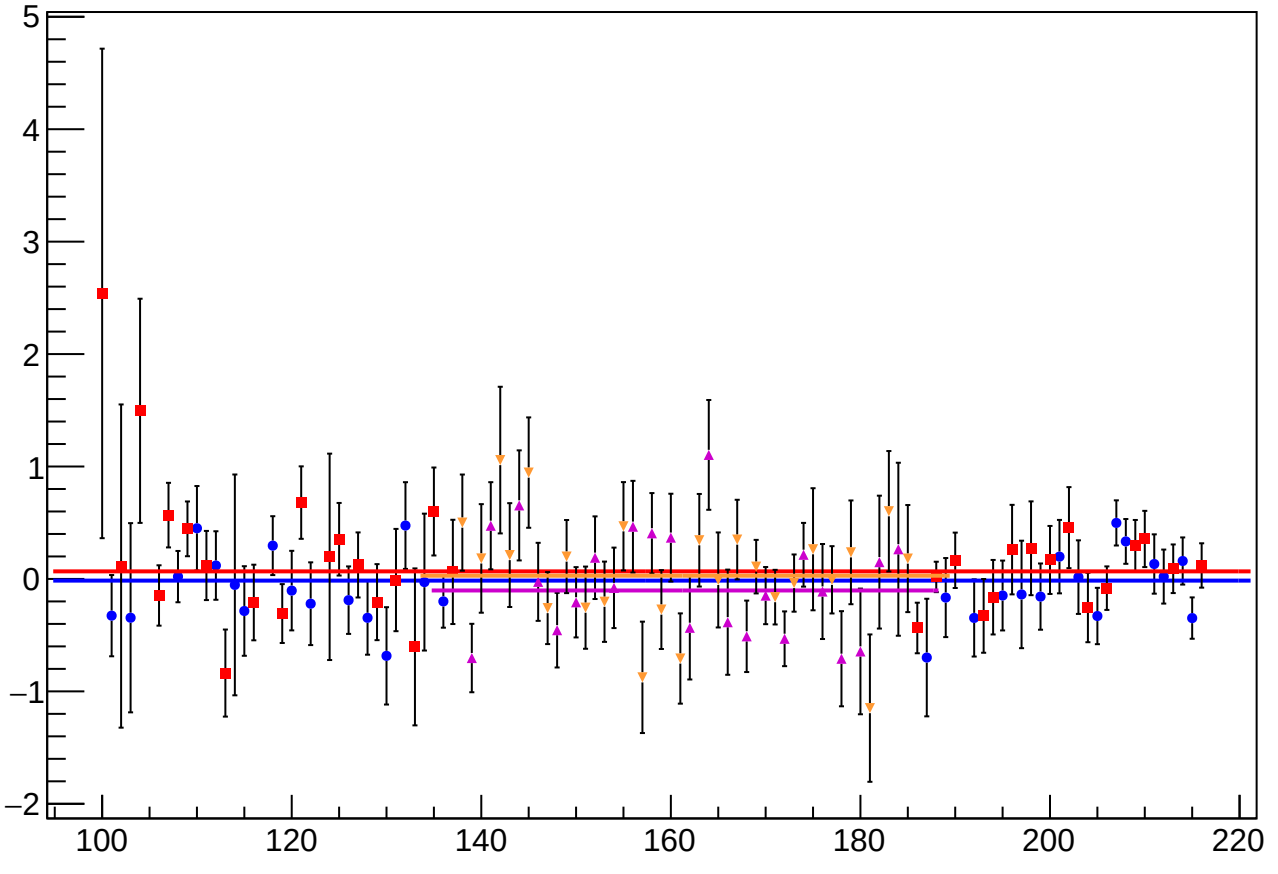
Right: 209.897+/-0.026 χ^2/NDF: 6939536.0/64

In: 250.825+/-0.031 χ^2/NDF:5805906.4/53

Out: 233.817+/-0.029 χ^2/NDF:9807652.9/58

All: 241.866+/-0.021 χ^2/NDF: 15773255.3/11

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: 0.067+/-0.050 χ^2/NDF: 38.7/33

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

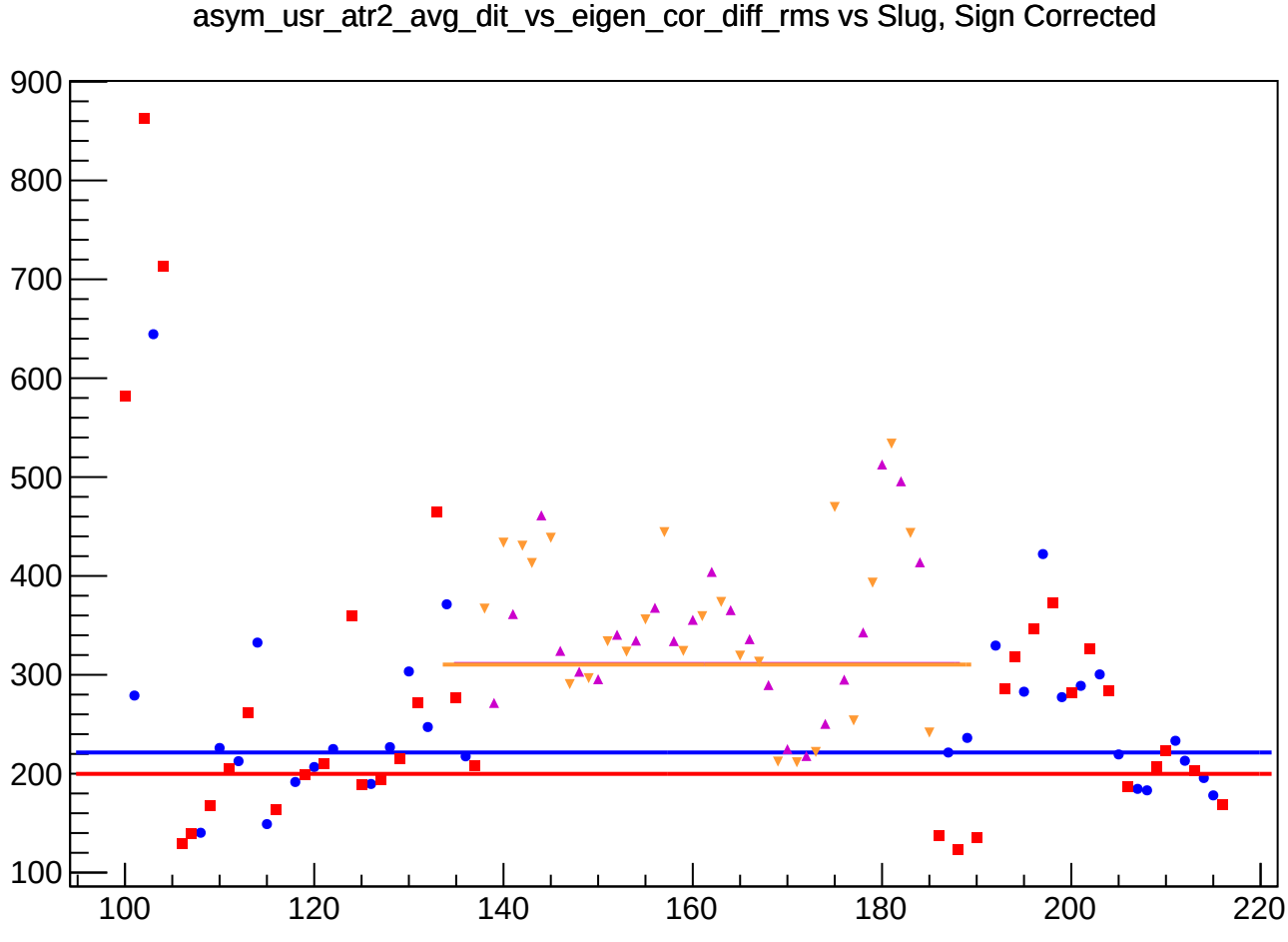
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.029+/-0.036 χ^2/NDF: 70.0/64

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.056+/-0.041 χ^2/NDF:64.2/58

All: 0.009+/-0.030 χ^2/NDF: 130.2/112



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: 199.830+/-0.035 χ^2/NDF: 4409673.6/33

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

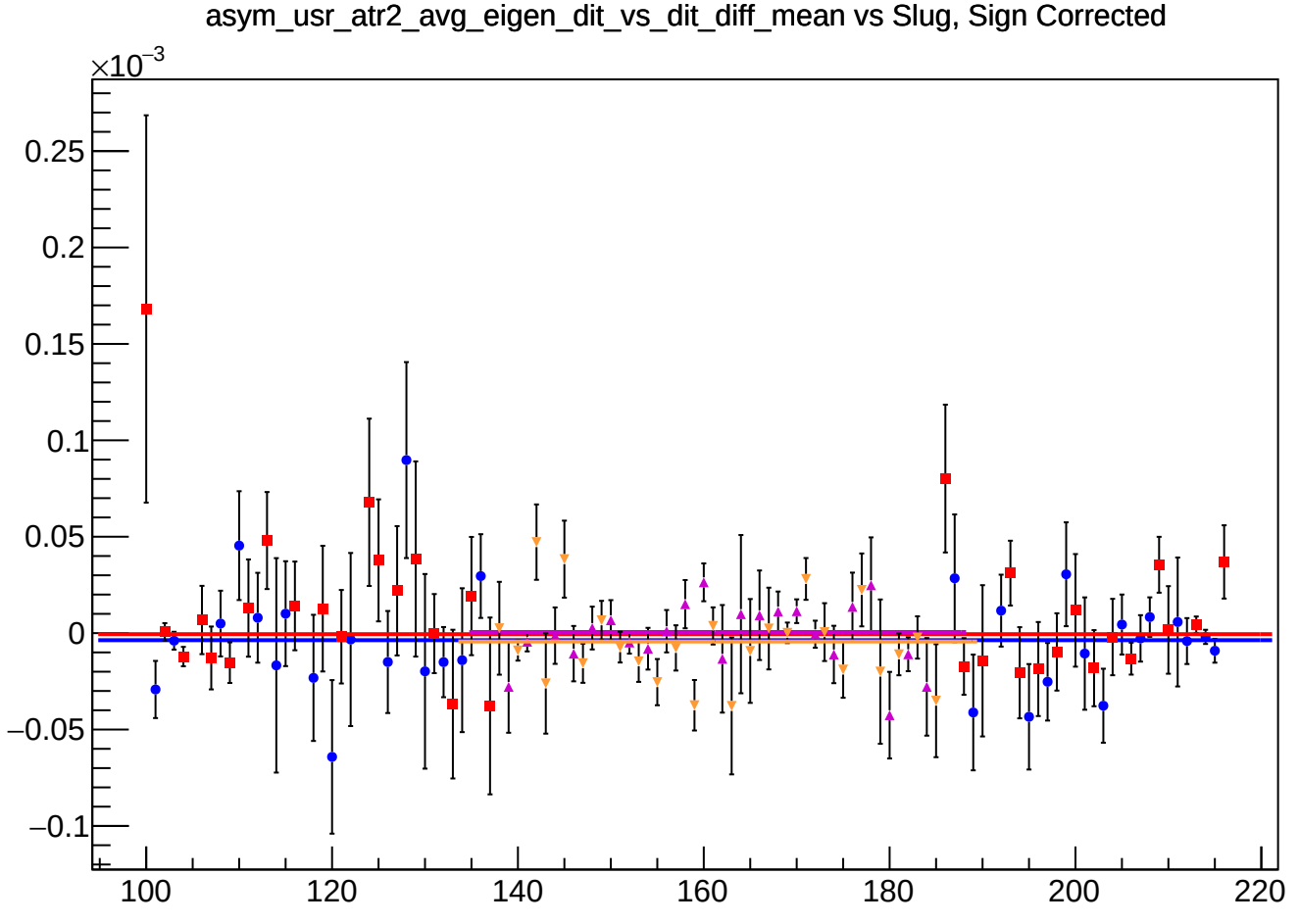
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 209.897+/-0.026 χ^2/NDF: 6939536.0/64

In: 250.825+/-0.031 χ^2/NDF:5805906.4/53

Out: 233.817+/-0.029 χ^2/NDF:9807652.9/58

All: 241.866+/-0.021 χ^2/NDF: 15773255.3/11



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/30

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/33

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

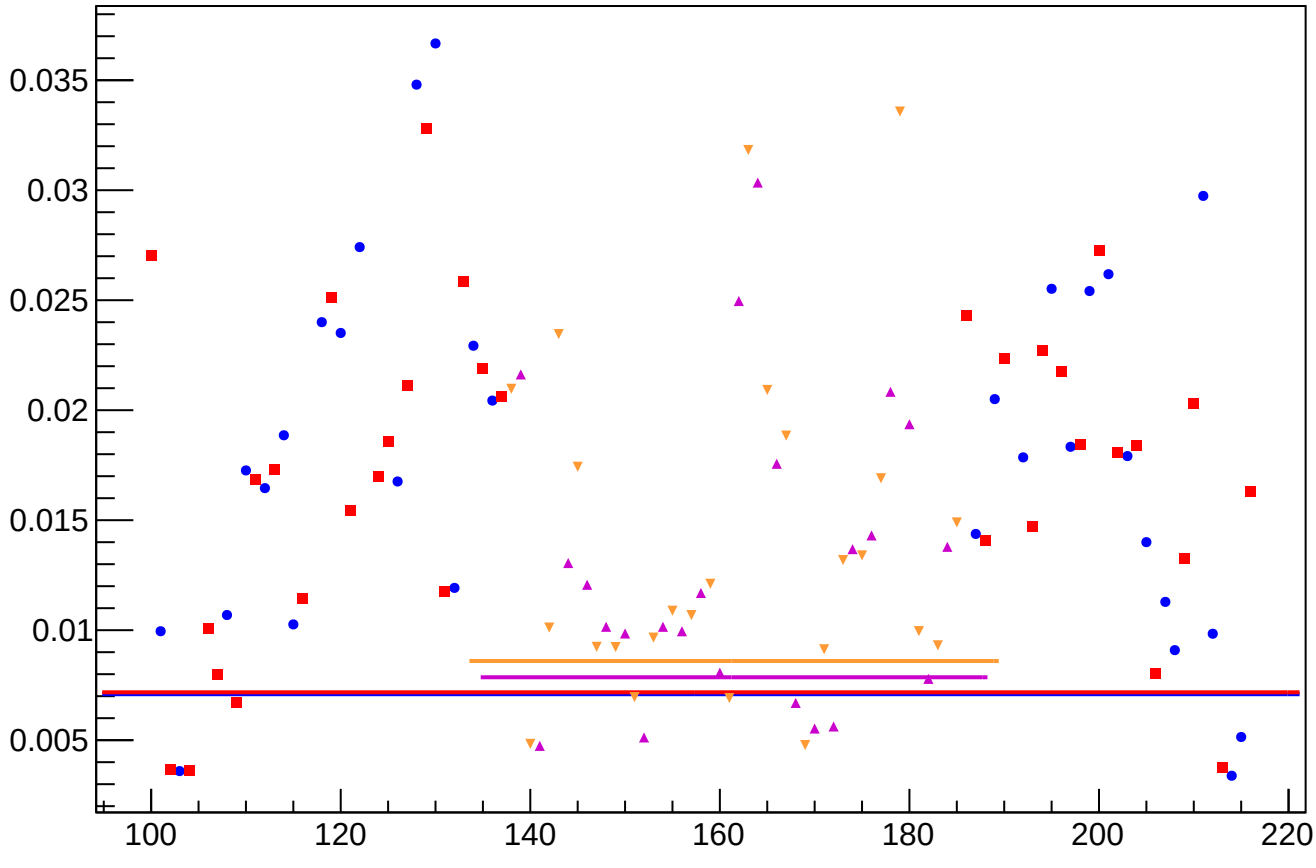
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 79.0/64

In: -0.000+/-0.000 χ^2/NDF:58.4/53

Out: -0.000+/-0.000 χ^2/NDF:91.9/58

All: -0.000+/-0.000 χ^2/NDF: 150.4/112



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: 15013933.1/33

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

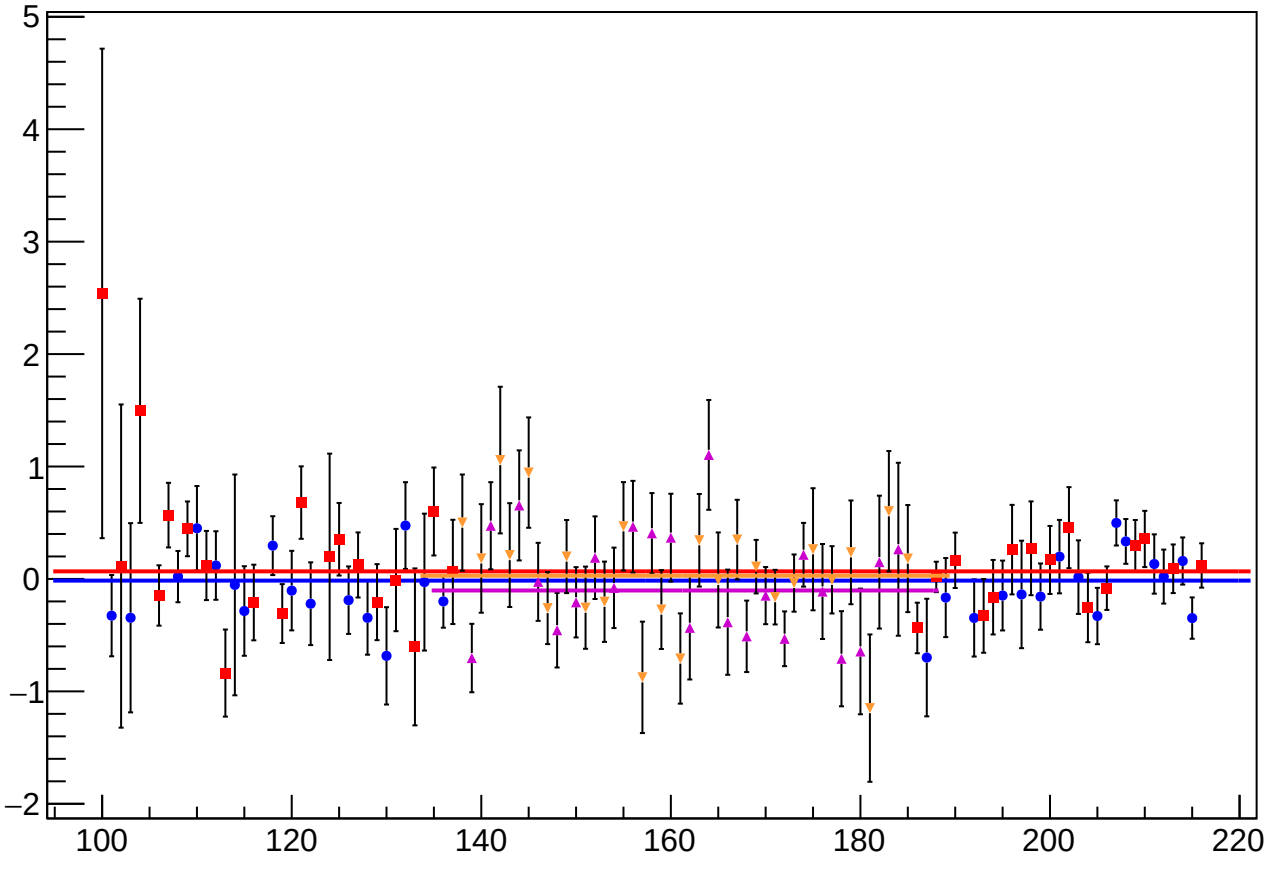
Right: 0.007+/-0.000 χ^2/NDF: 30199975.8/64

In: 0.007+/-0.000 χ^2/NDF:22091480.5/53

Out: 0.008+/-0.000 χ^2/NDF:23088359.2/58

All: 0.008+/-0.000 χ^2/NDF: 45238672.7/112

asym_usr_atr2_avg_eigen_dit_vs_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: 0.067+/-0.050 χ^2/NDF: 38.7/33

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

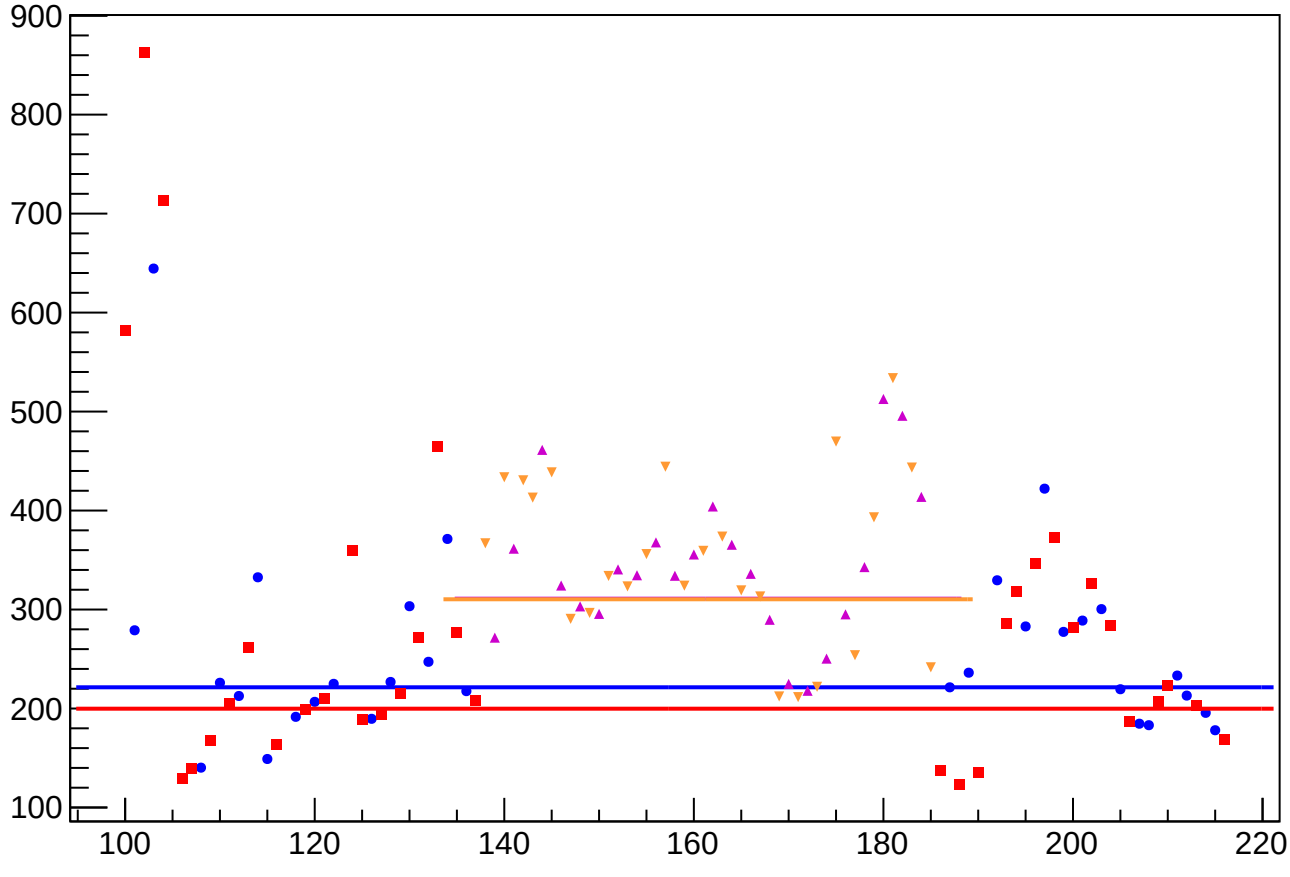
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.029+/-0.036 χ^2/NDF: 70.0/64

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.056+/-0.041 χ^2/NDF:64.2/58

All: 0.009+/-0.030 χ^2/NDF: 130.2/112



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: 199.828+/-0.035 χ^2/NDF: 4409814.8/33

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

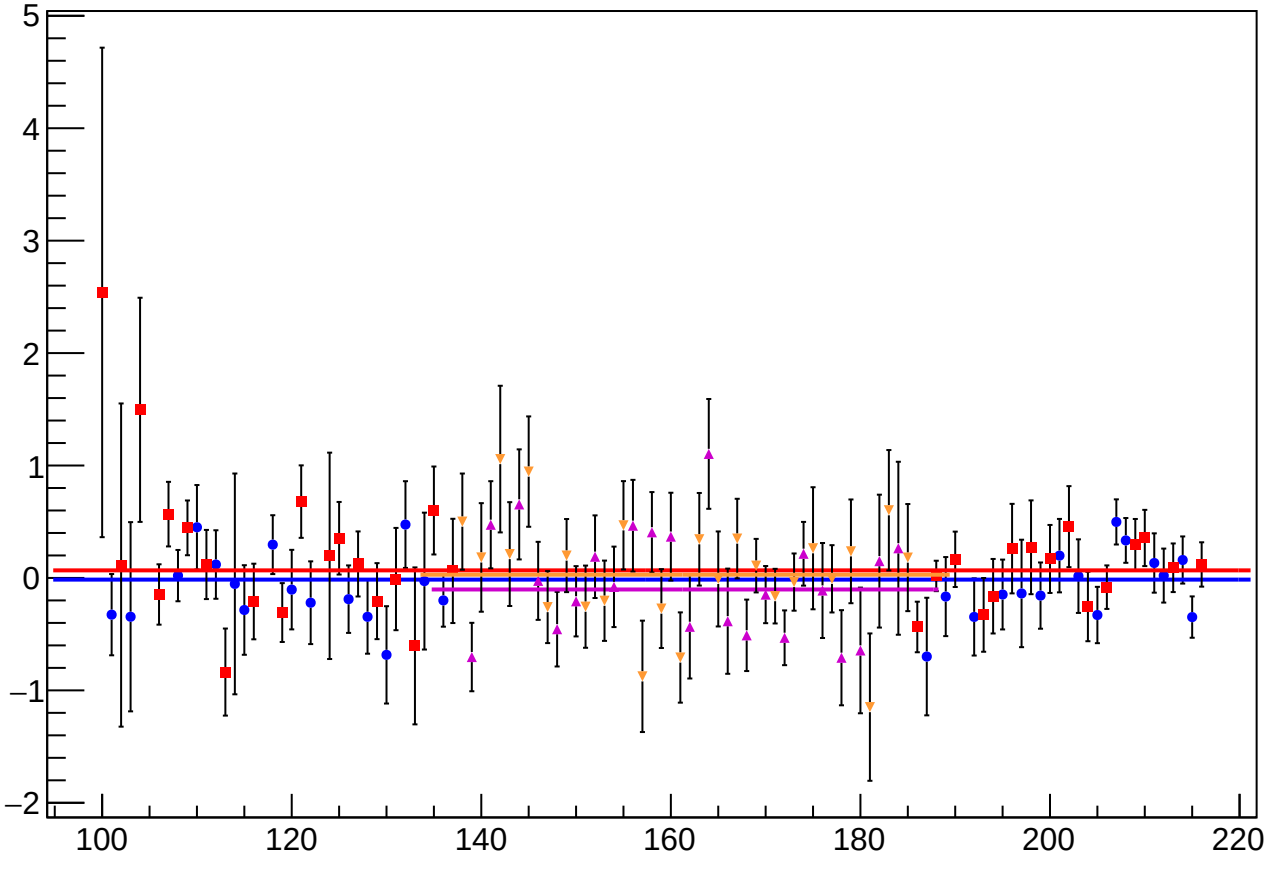
Right: 209.896+/-0.026 χ^2/NDF: 6939707.8/64

In: 250.825+/-0.031 χ^2/NDF:5806073.5/53

Out: 233.816+/-0.029 χ^2/NDF:9808122.1/58

All: 241.865+/-0.021 χ^2/NDF: 15773922.9/11

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: 0.067+/-0.050 χ^2/NDF: 38.7/33

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

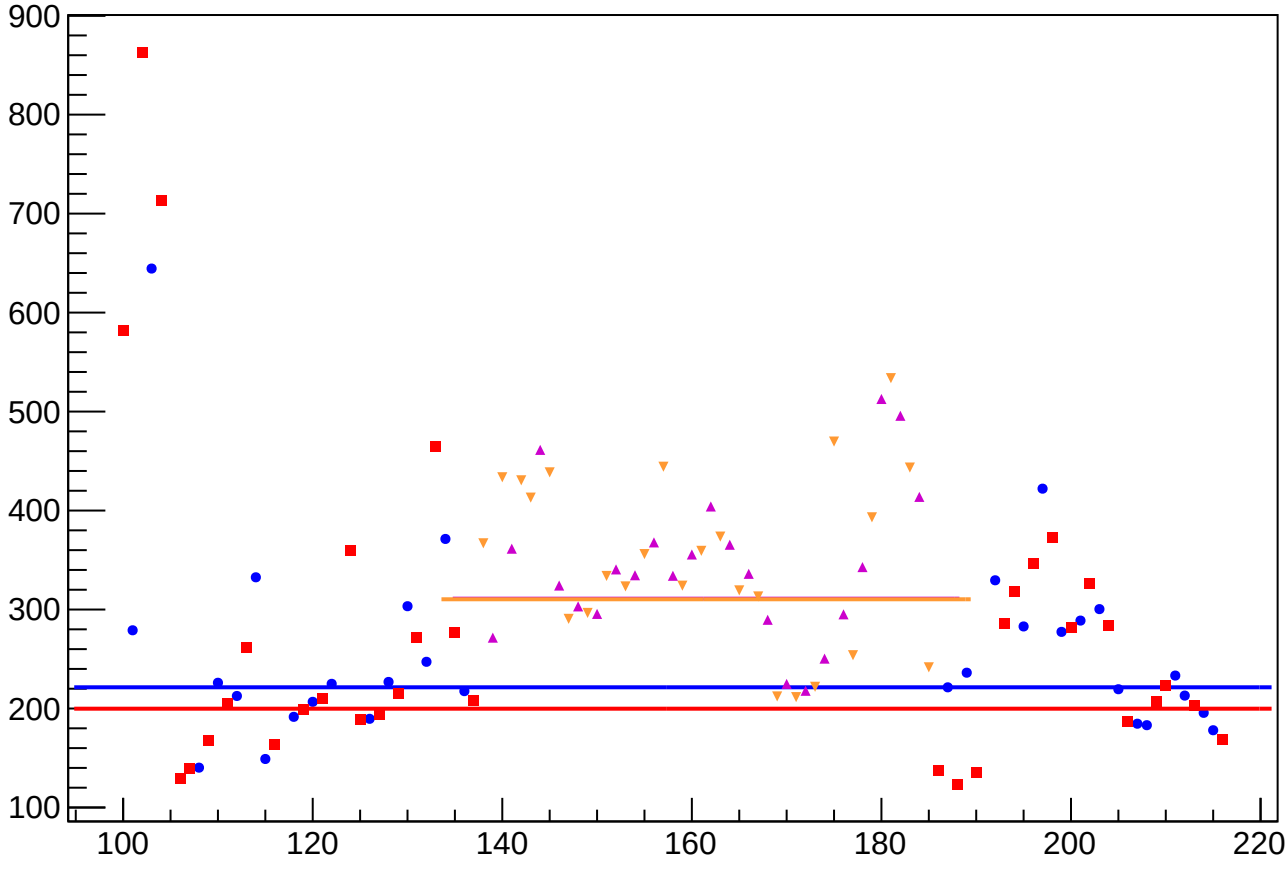
Right: 0.029+/-0.036 χ^2/NDF: 70.0/64

In: -0.044+/-0.044 χ^2/NDF:63.3/53

Out: 0.056+/-0.041 χ^2/NDF:64.2/58

All: 0.009+/-0.030 χ^2/NDF: 130.2/112

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 199.828+/-0.035 χ^2/NDF: 4409814.8/33

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

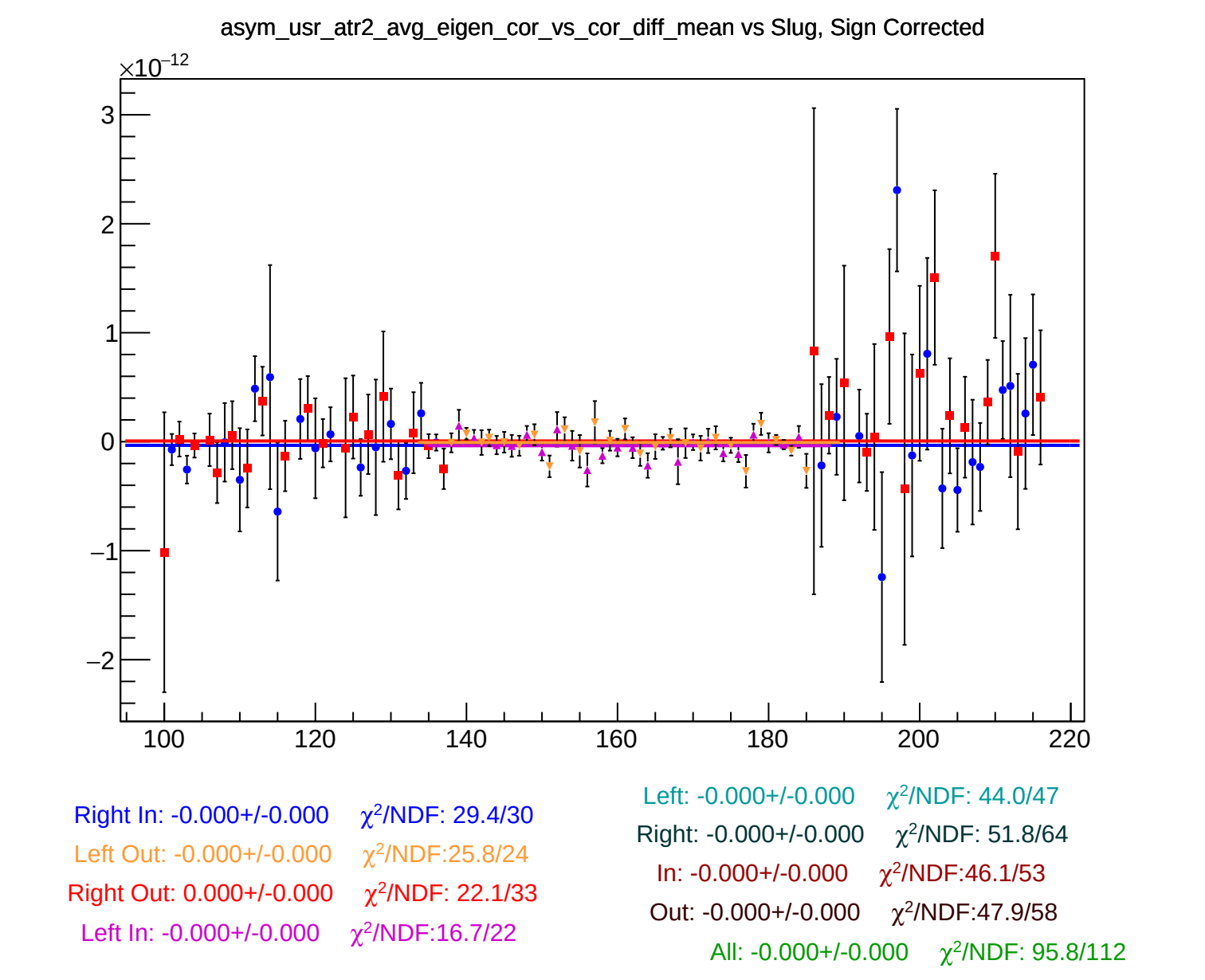
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

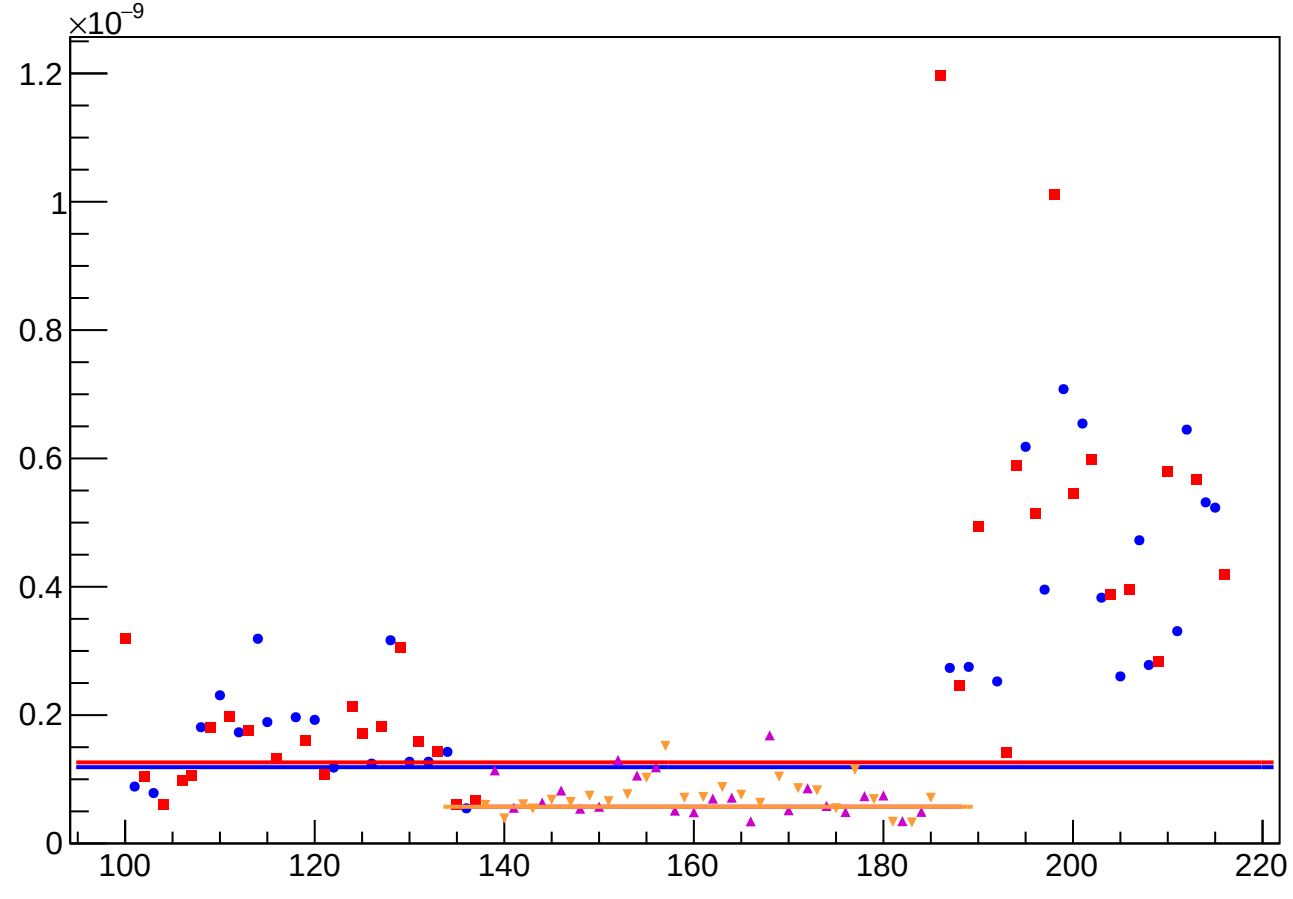
Right: 209.896+/-0.026 χ^2/NDF: 6939707.8/64

In: 250.825+/-0.031 χ^2/NDF:5806073.5/53

Out: 233.816+/-0.029 χ^2/NDF:9808122.1/58

All: 241.865+/-0.021 χ^2/NDF: 15773922.9/11


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 29.4/30
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.1/33
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 44.0/47
Right: -0.000+/-0.000 χ²/NDF: 51.8/64
In: -0.000+/-0.000 χ²/NDF:46.1/53
Out: -0.000+/-0.000 χ²/NDF:47.9/58
All: -0.000+/-0.000 χ²/NDF: 95.8/112



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: 9714738.5/33

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

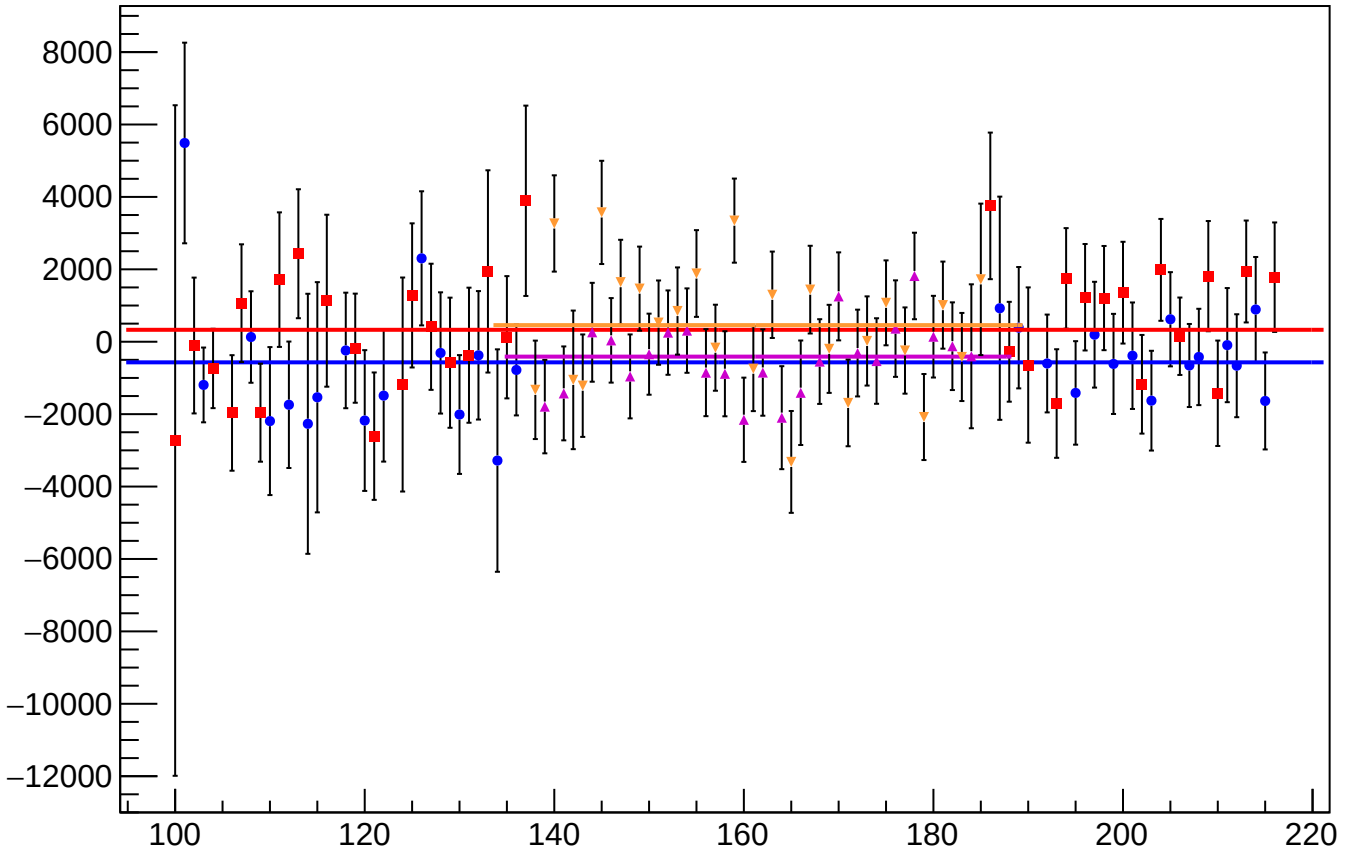
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 19572583.9/64

In: 0.000+/-0.000 χ^2/NDF:16108239.7/53

Out: 0.000+/-0.000 χ^2/NDF:16580899.5/58

All: 0.000+/-0.000 χ^2/NDF: 32689190.8/112



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: 329.605+/-276.559 χ^2/NDF: 29.0/33

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

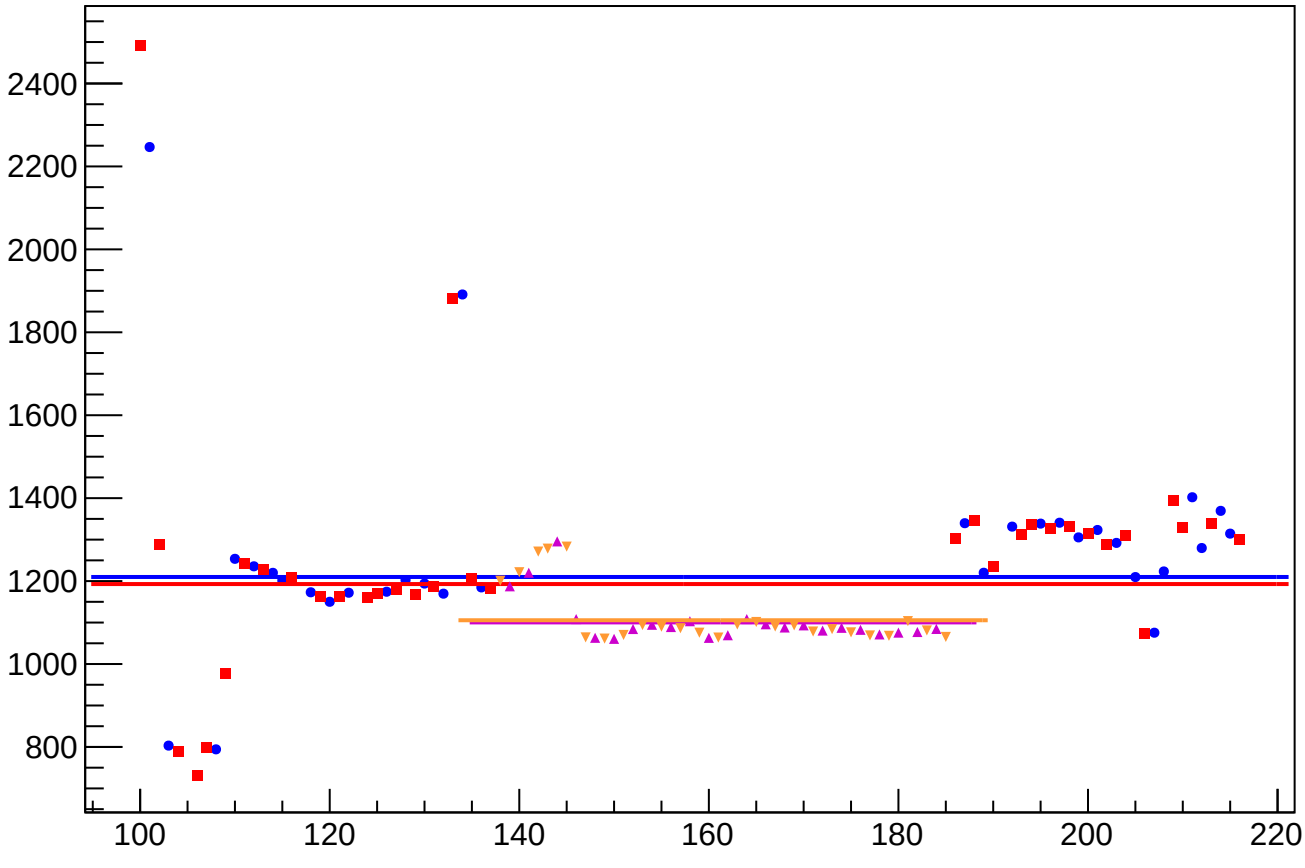
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -115.042+/-196.592 χ^2/NDF: 50.4/64

In: -483.694+/-189.265 χ^2/NDF:30.1/53

Out: 400.300+/-186.083 χ^2/NDF:71.2/58

All: -34.201+/-132.691 χ^2/NDF: 112.3/112



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: 1192.850+/-0.195 χ^2/NDF: 1066532.8/33

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

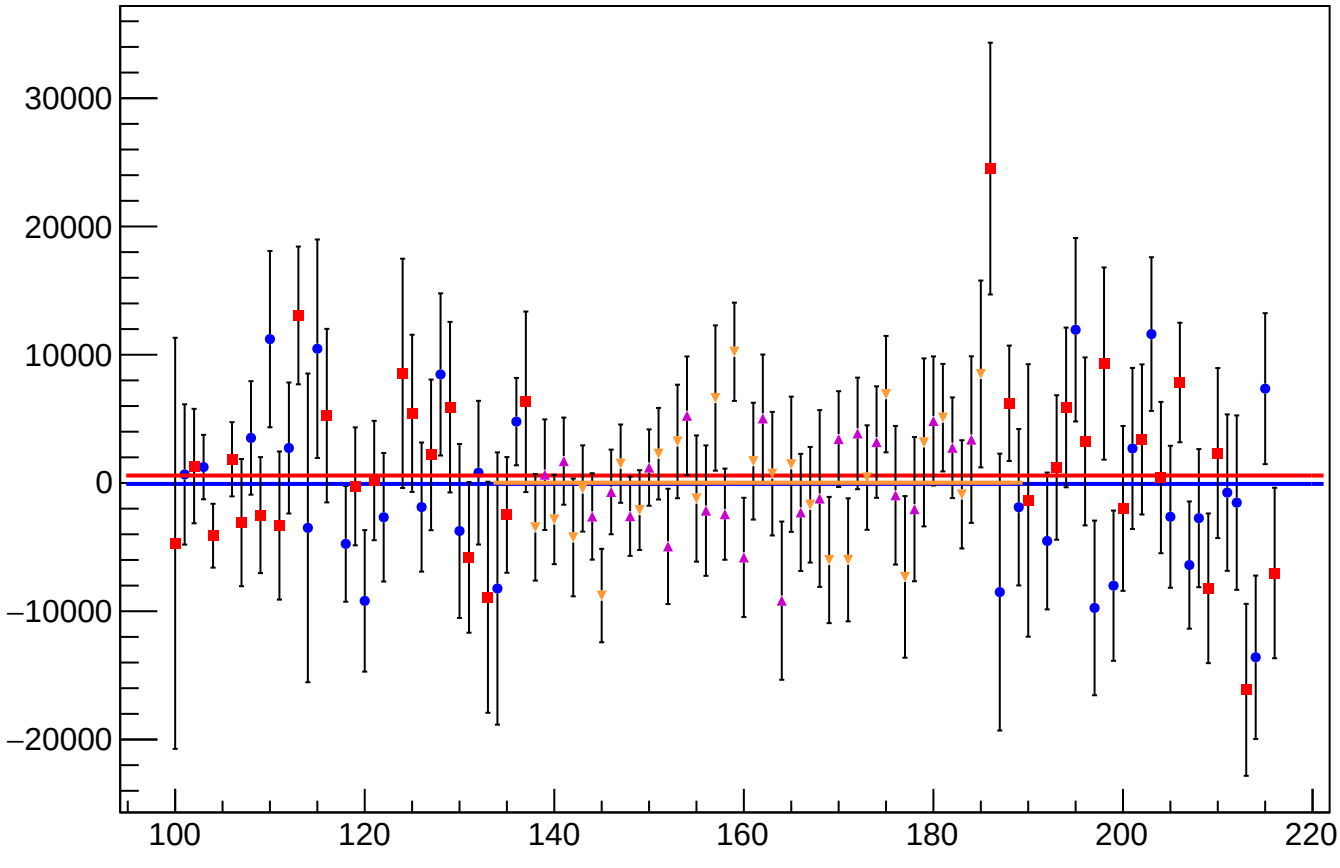
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1201.262+/-0.139 χ^2/NDF: 2162439.3/64

In: 1150.588+/-0.134 χ^2/NDF:1338782.8/53

Out: 1145.236+/-0.131 χ^2/NDF:1298001.3/58

All: 1147.862+/-0.094 χ^2/NDF: 2637598.6/11



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: 581.869+/-913.520 χ^2/NDF: 39.3/33

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

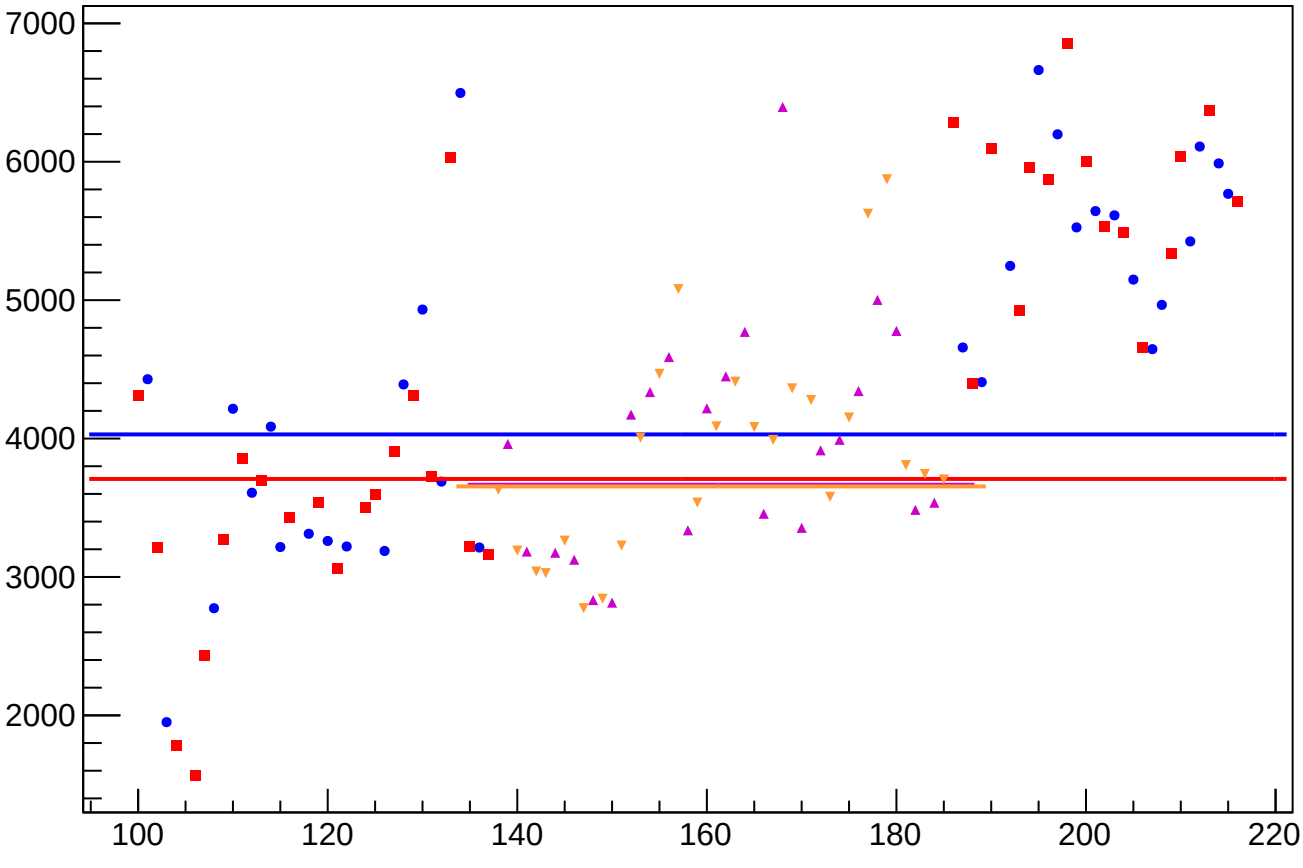
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 274.564+/-665.147 χ^2/NDF: 74.4/64

In: -28.897+/-649.932 χ^2/NDF:48.9/53

Out: 282.660+/-622.444 χ^2/NDF:68.0/58

All: 133.609+/-449.538 χ^2/NDF: 117.0/112



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: 3708.236+/-0.646 χ^2/NDF: 5532919.8/33

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

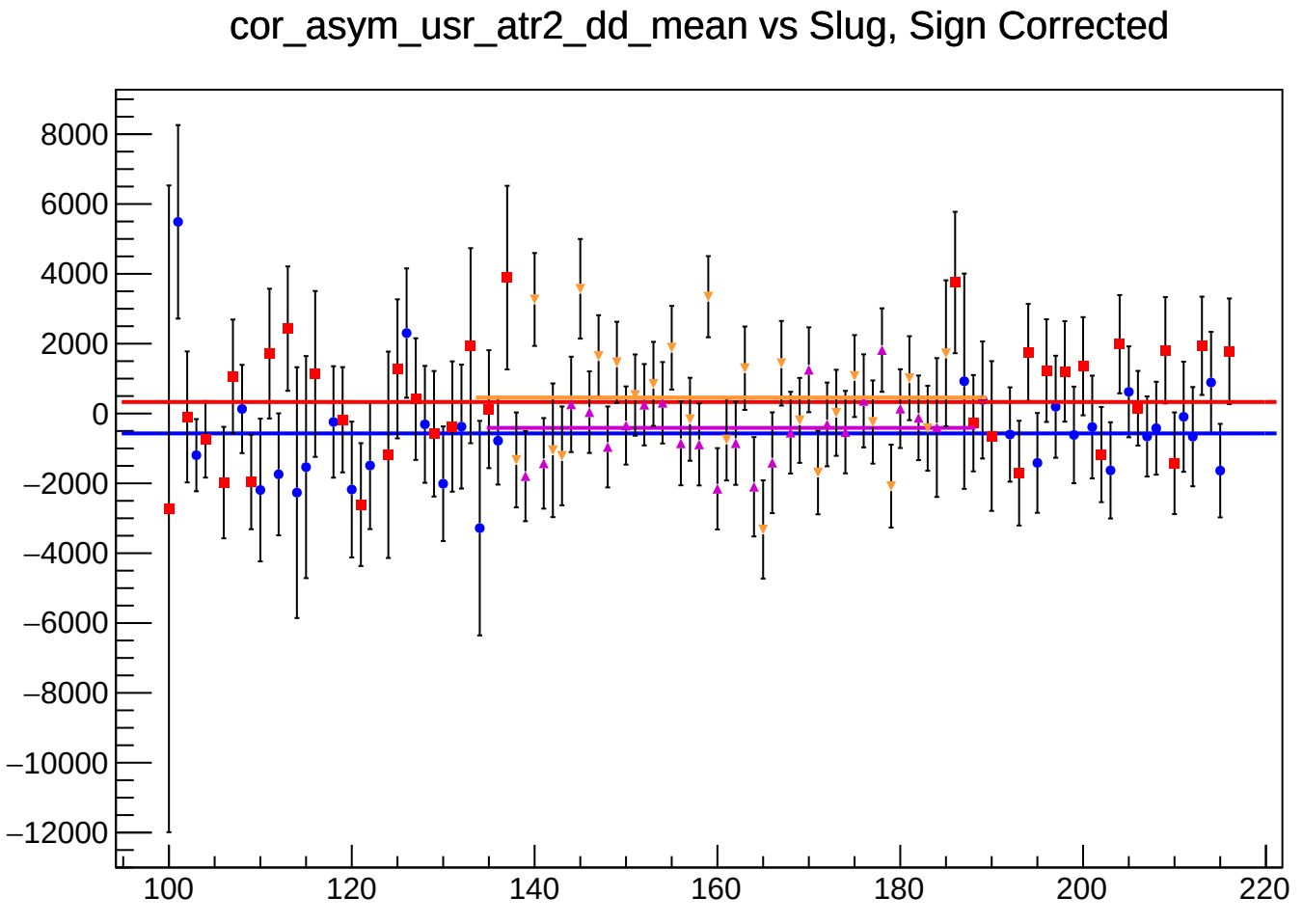
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3859.381+/-0.470 χ^2/NDF: 9517262.4/64

In: 3829.321+/-0.460 χ^2/NDF:5366536.3/53

Out: 3679.286+/-0.440 χ^2/NDF:6848430.8/58

All: 3751.064+/-0.318 χ^2/NDF: 12270559.2/1



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: 329.468+/-276.560 χ^2/NDF: 29.0/33

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

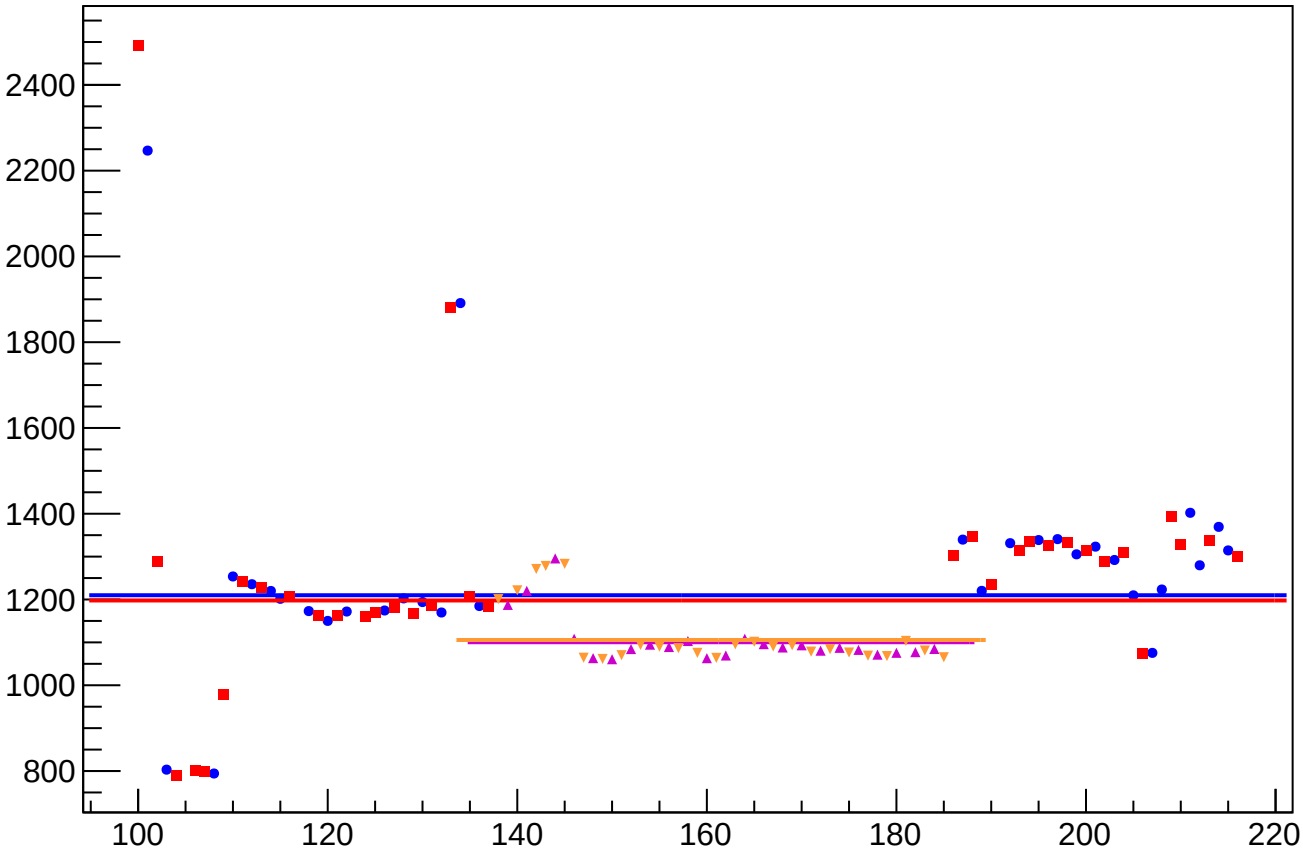
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -115.123+/-196.593 χ^2/NDF: 50.5/64

In: -483.650+/-189.265 χ^2/NDF:30.1/53

Out: 400.272+/-186.083 χ^2/NDF:71.2/58

All: -34.195+/-132.691 χ^2/NDF: 112.4/112



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: 1197.740+/-0.195 χ^2/NDF: 984175.1/33

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

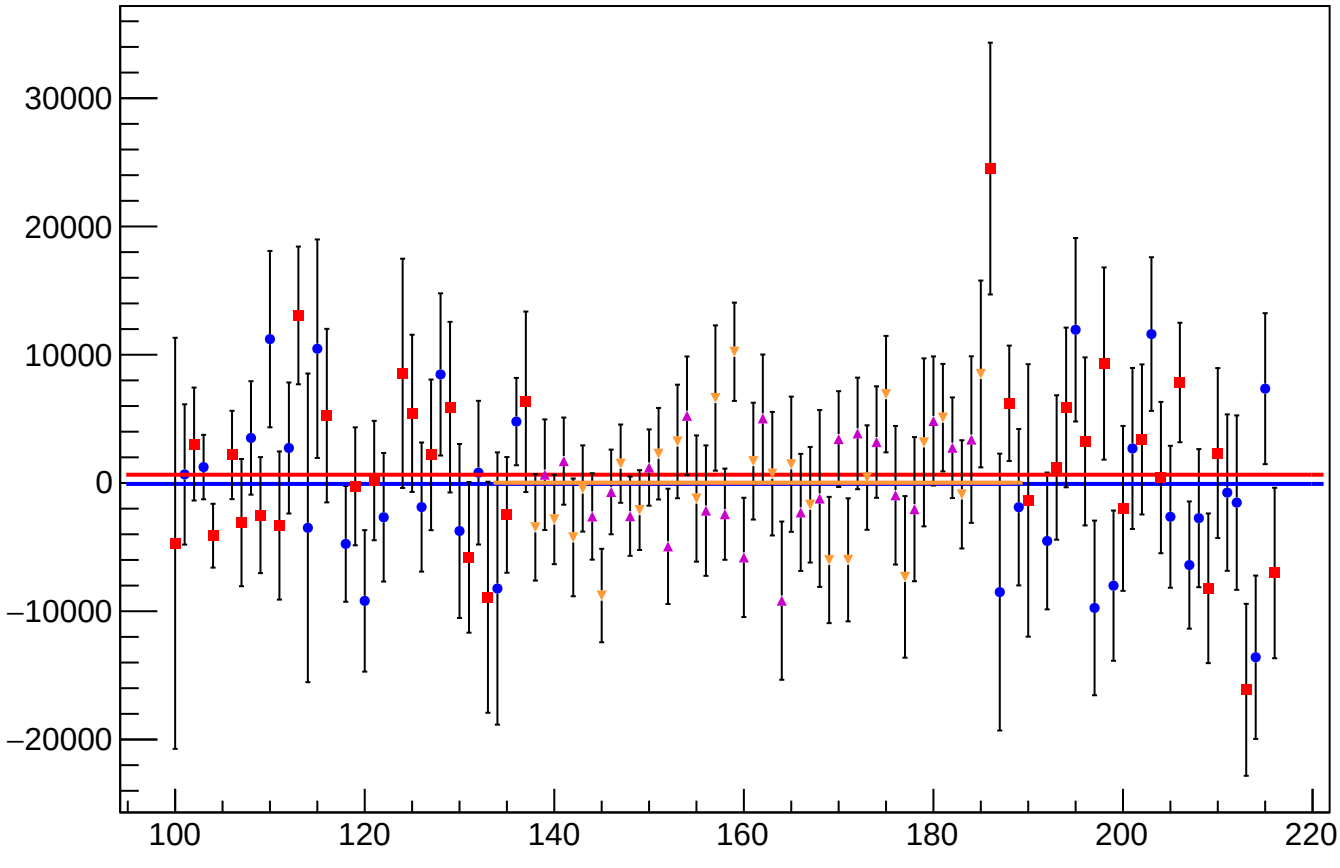
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1203.760+/-0.139 χ^2/NDF: 2078214.5/64

In: 1150.588+/-0.134 χ^2/NDF:1338778.8/53

Out: 1147.326+/-0.132 χ^2/NDF:1227869.0/58

All: 1148.929+/-0.094 χ^2/NDF: 2566950.0/11



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: 645.150+/-926.616 χ^2/NDF: 39.6/33

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

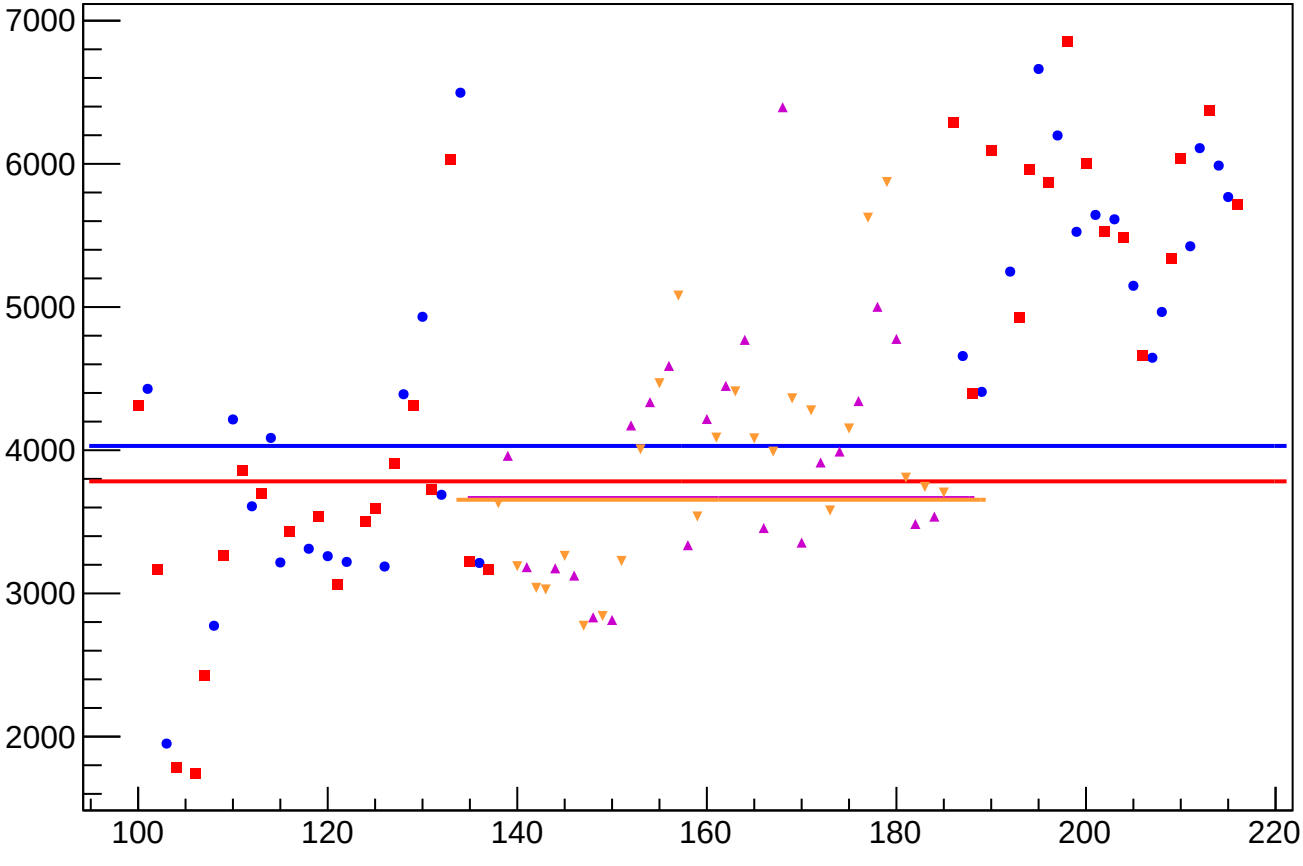
Right: 302.840+/-670.159 χ^2/NDF: 74.7/64

In: -29.047+/-649.939 χ^2/NDF:48.9/53

Out: 307.639+/-626.540 χ^2/NDF:68.3/58

All: 145.466+/-451.076 χ^2/NDF: 117.3/112

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 4030.079+/-0.686 χ^2/NDF: 3866879.2/30

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3782.593+/-0.655 χ^2/NDF: 5081946.8/33

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

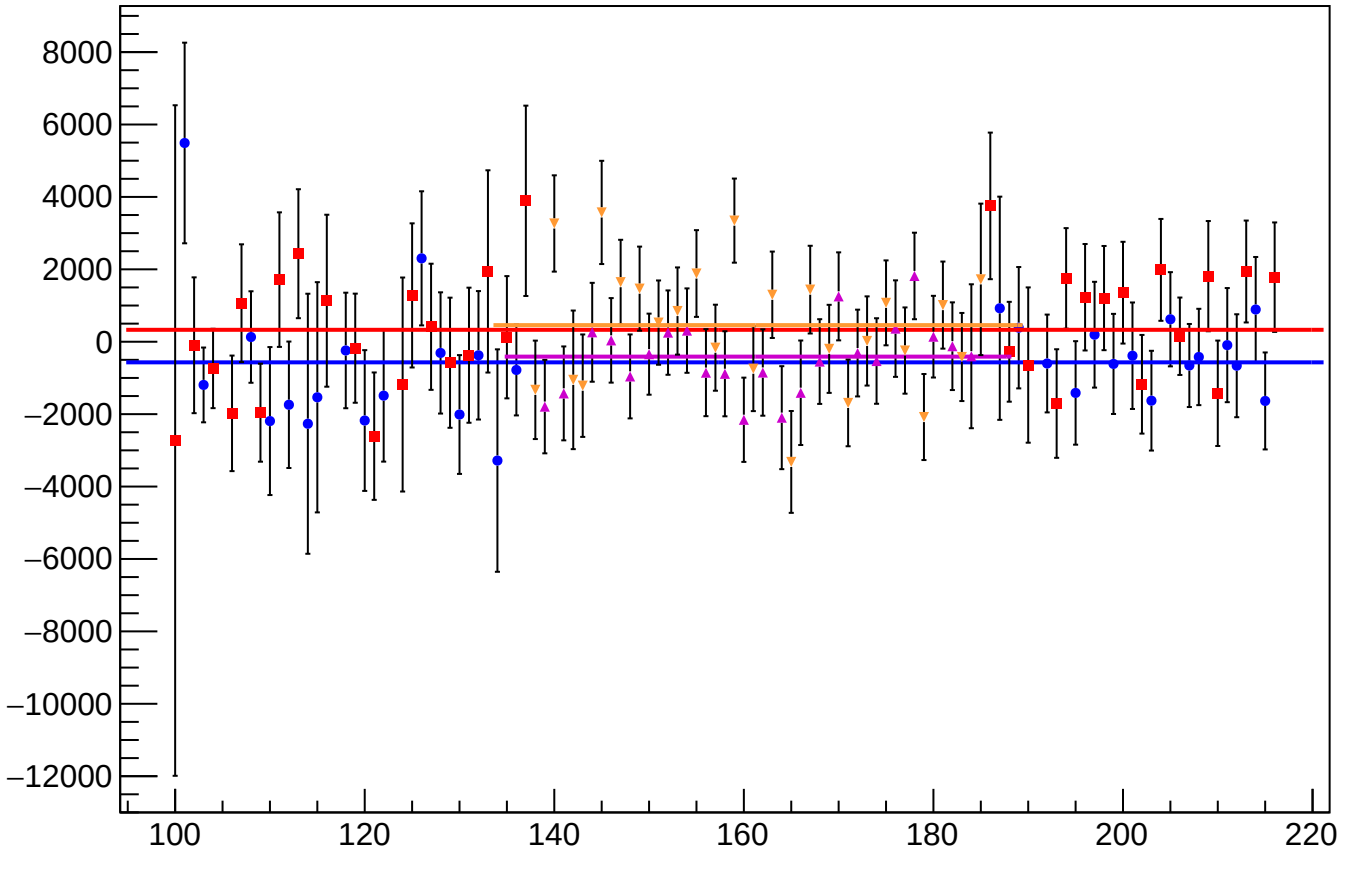
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3900.627+/-0.474 χ^2/NDF: 9016870.2/64

In: 3829.385+/-0.460 χ^2/NDF:5365731.9/53

Out: 3712.897+/-0.443 χ^2/NDF:6414560.7/58

All: 3769.006+/-0.319 χ^2/NDF: 11813592.6/1



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: 329.468+/-276.560 χ^2/NDF: 29.0/33

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

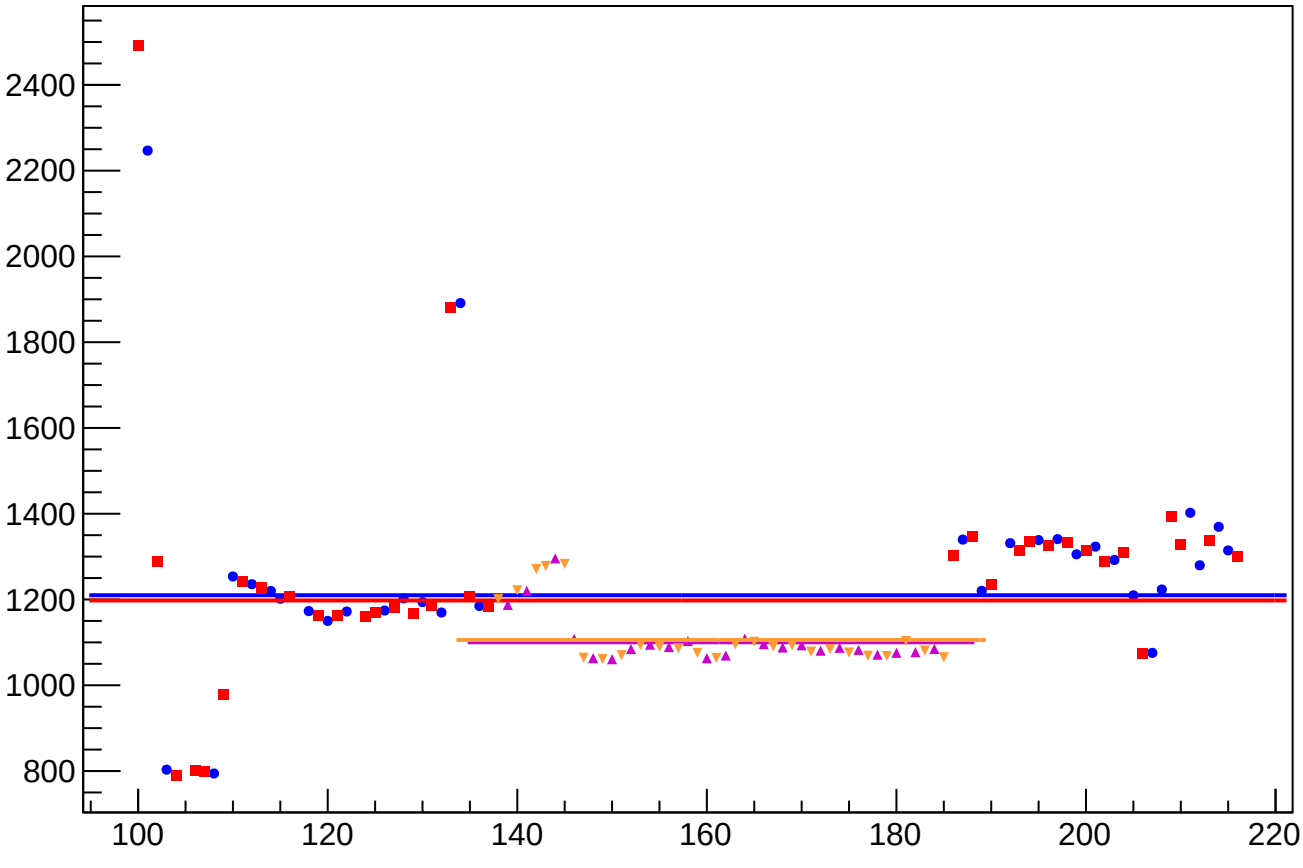
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -115.123+/-196.593 χ^2/NDF: 50.5/64

In: -483.650+/-189.265 χ^2/NDF:30.1/53

Out: 400.272+/-186.083 χ^2/NDF:71.2/58

All: -34.195+/-132.691 χ^2/NDF: 112.4/112



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: 1197.740+/-0.195 χ^2/NDF: 984175.1/33

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

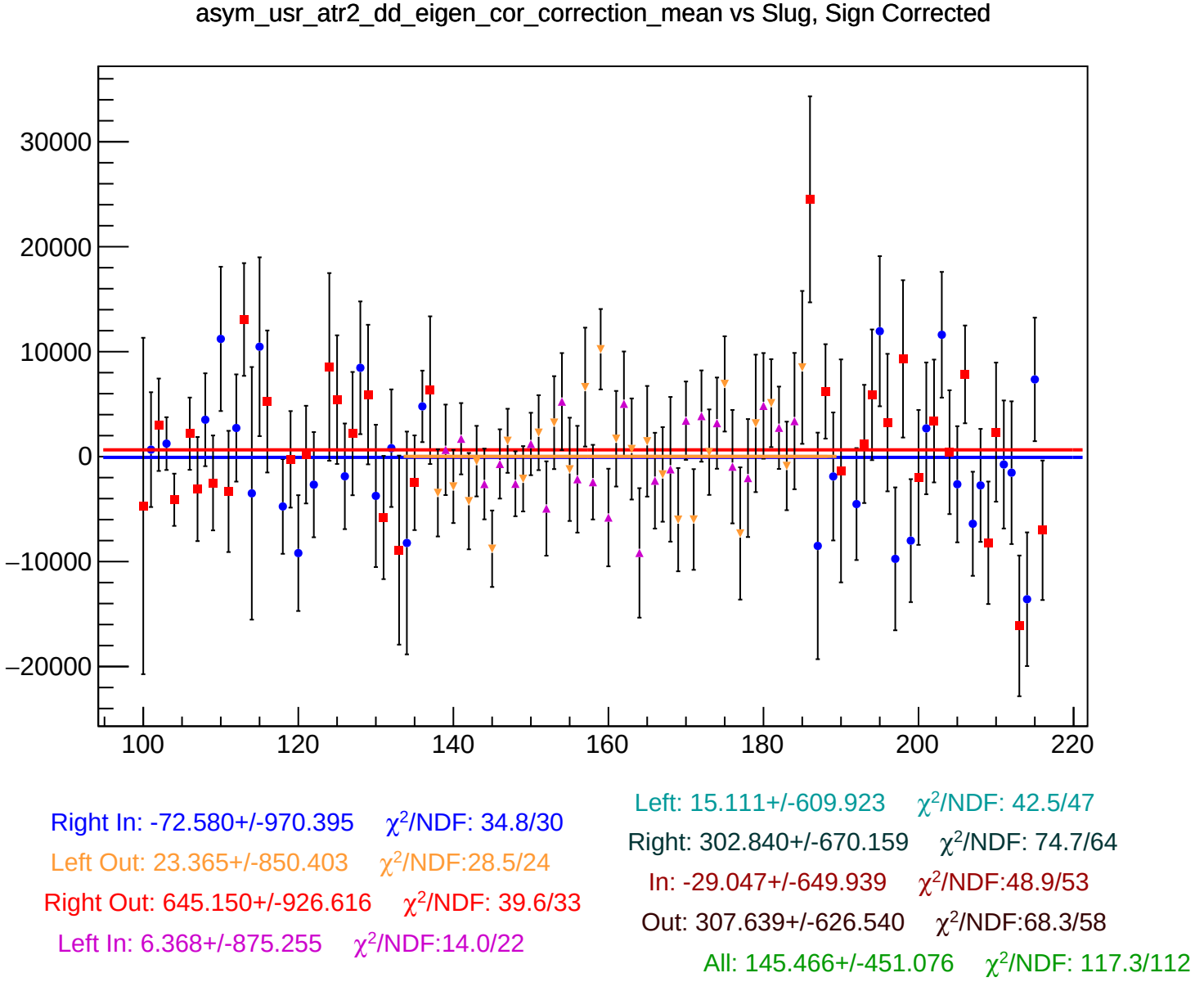
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1203.760+/-0.139 χ^2/NDF: 2078214.5/64

In: 1150.588+/-0.134 χ^2/NDF:1338778.8/53

Out: 1147.326+/-0.132 χ^2/NDF:1227869.0/58

All: 1148.929+/-0.094 χ^2/NDF: 2566950.0/11


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -72.580+/-970.395 χ²/NDF: 34.8/30
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 645.150+/-926.616 χ²/NDF: 39.6/33
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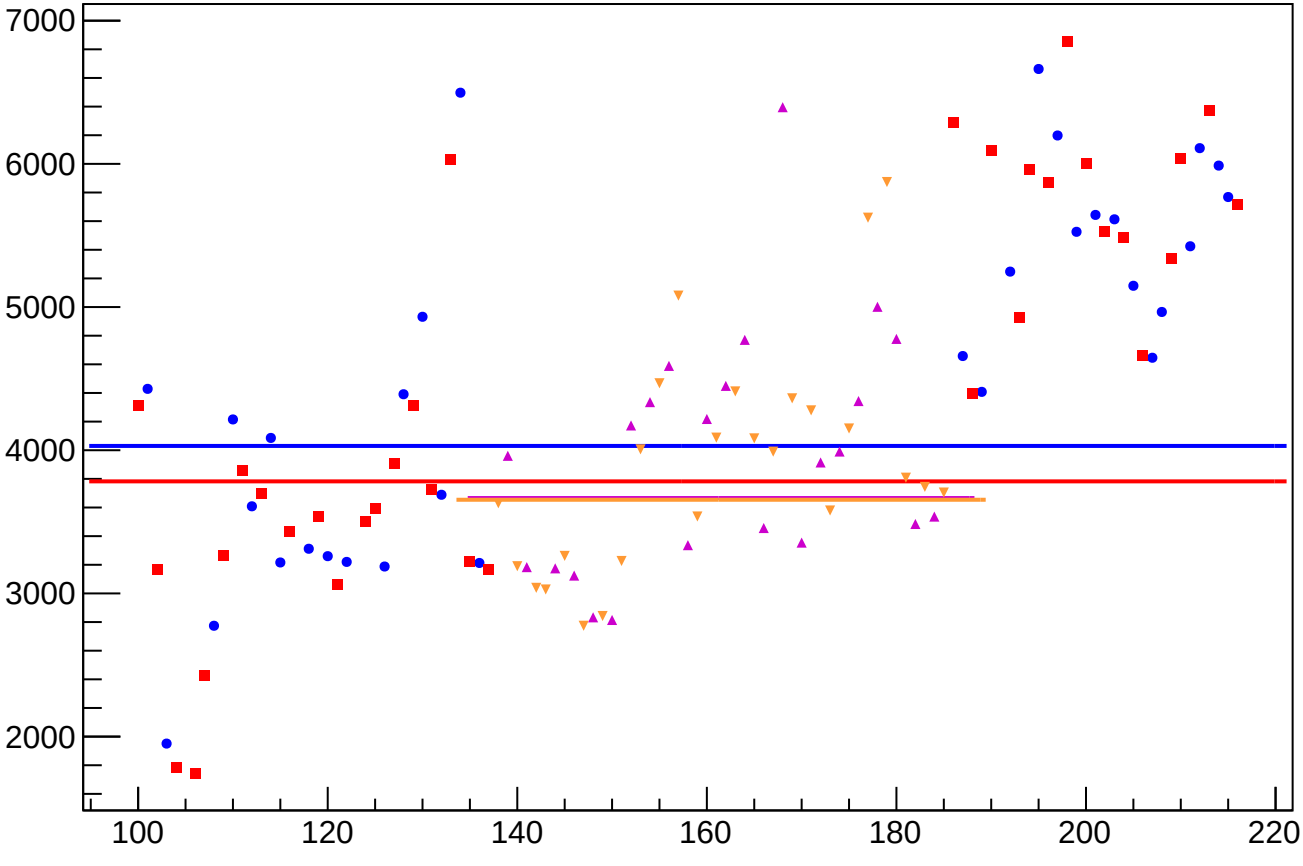
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 302.840+/-670.159 χ²/NDF: 74.7/64
In: -29.047+/-649.939 χ²/NDF:48.9/53
Out: 307.639+/-626.540 χ²/NDF:68.3/58
All: 145.466+/-451.076 χ²/NDF: 117.3/112

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4030.079+/-0.686 χ^2/NDF: 3866879.2/30

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3782.593+/-0.655 χ^2/NDF: 5081946.8/33

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

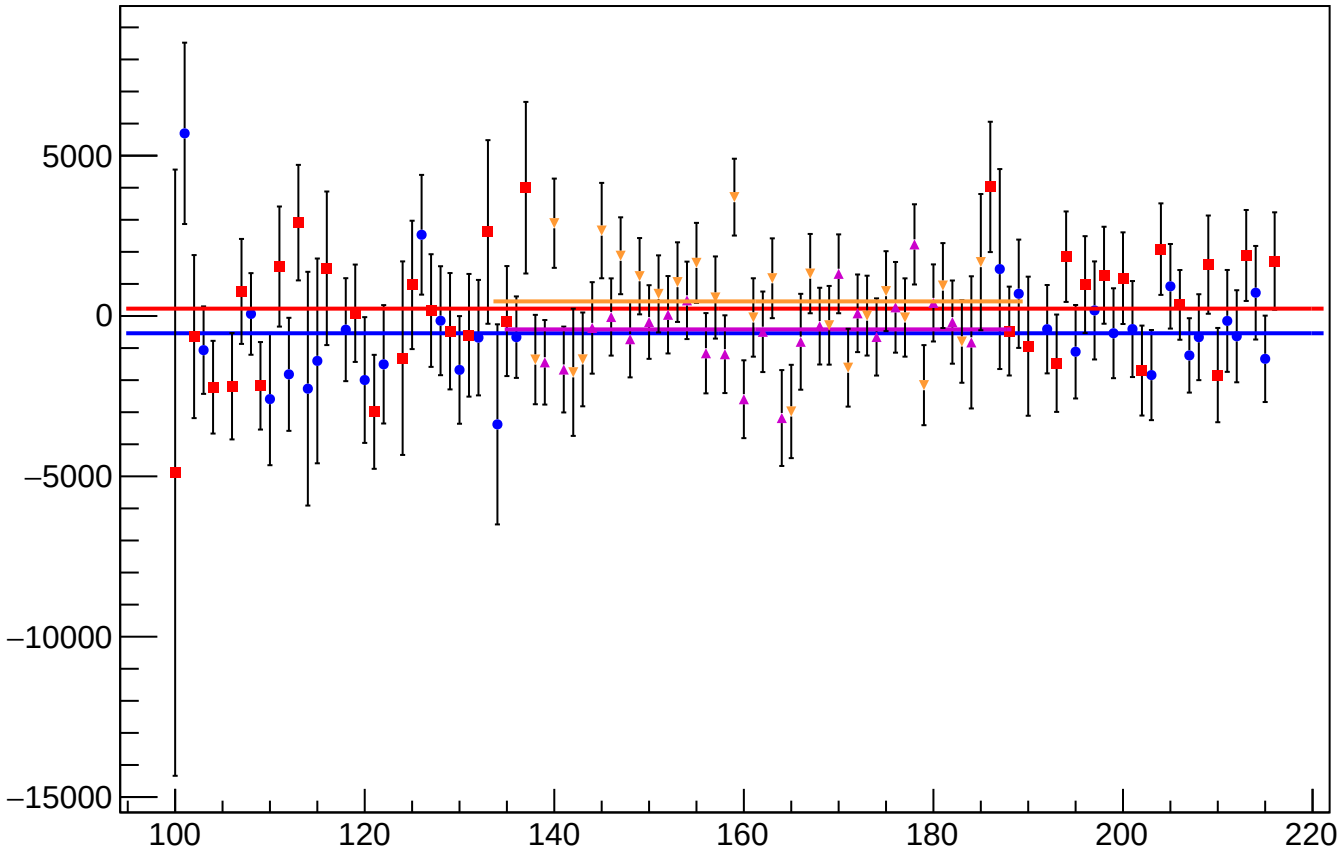
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3900.627+/-0.474 χ^2/NDF: 9016870.2/64

In: 3829.385+/-0.460 χ^2/NDF:5365731.9/53

Out: 3712.897+/-0.443 χ^2/NDF:6414560.7/58

All: 3769.006+/-0.319 χ^2/NDF: 11813592.6/1



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: 229.420+/-285.818 χ^2/NDF: 34.9/33

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

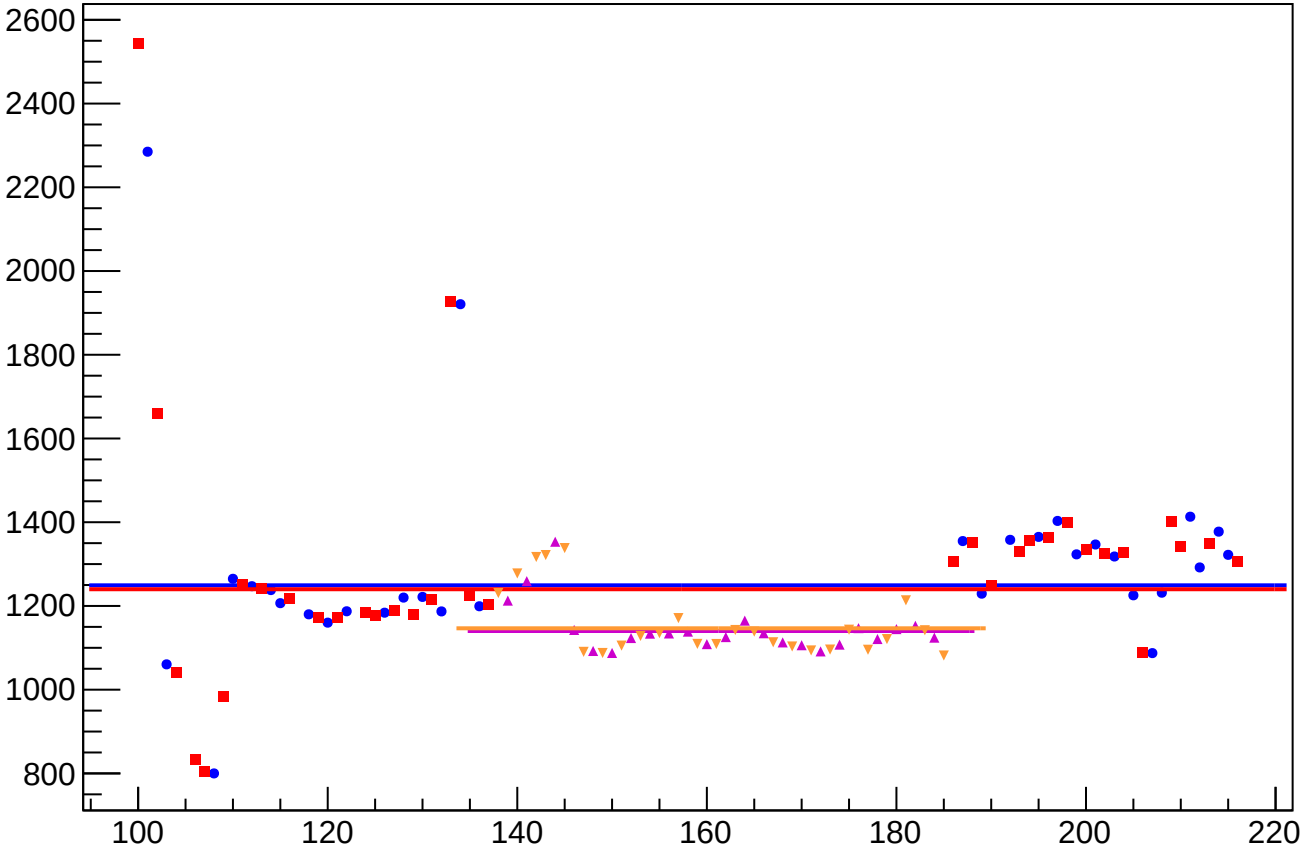
Right: -152.021+/-202.732 χ^2/NDF: 55.3/64

In: -473.137+/-195.512 χ^2/NDF:34.3/53

Out: 352.813+/-192.735 χ^2/NDF:71.3/58

All: -54.255+/-137.255 χ^2/NDF: 114.7/112

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: 1239.928+/-0.202 χ^2/NDF: 776156.0/33

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

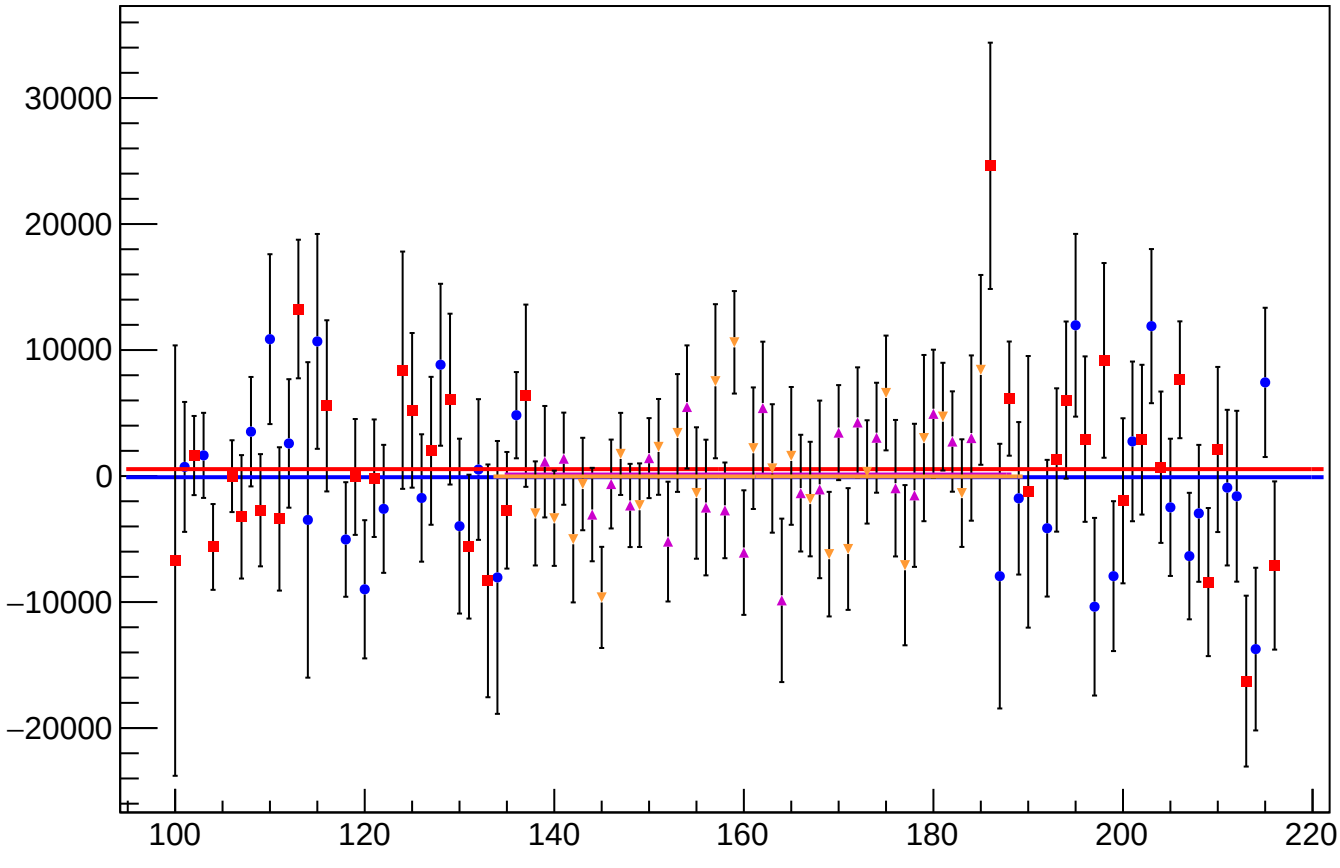
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1244.566+/-0.143 χ^2/NDF: 1596550.2/64

In: 1190.584+/-0.138 χ^2/NDF:1058861.5/53

Out: 1189.054+/-0.136 χ^2/NDF:1033440.5/58

All: 1189.808+/-0.097 χ^2/NDF: 2092364.1/11



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: 549.482+/-924.968 χ^2/NDF: 38.7/33

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

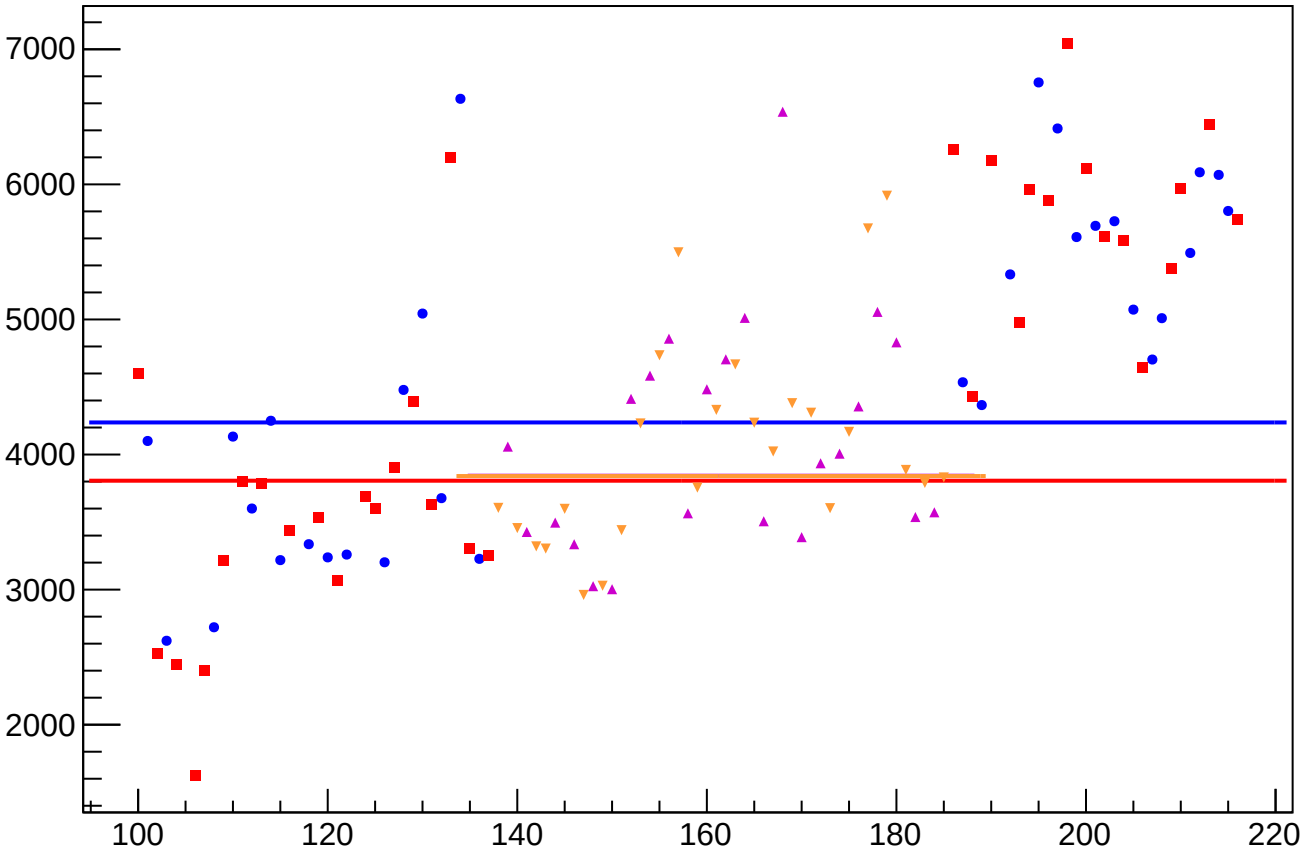
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

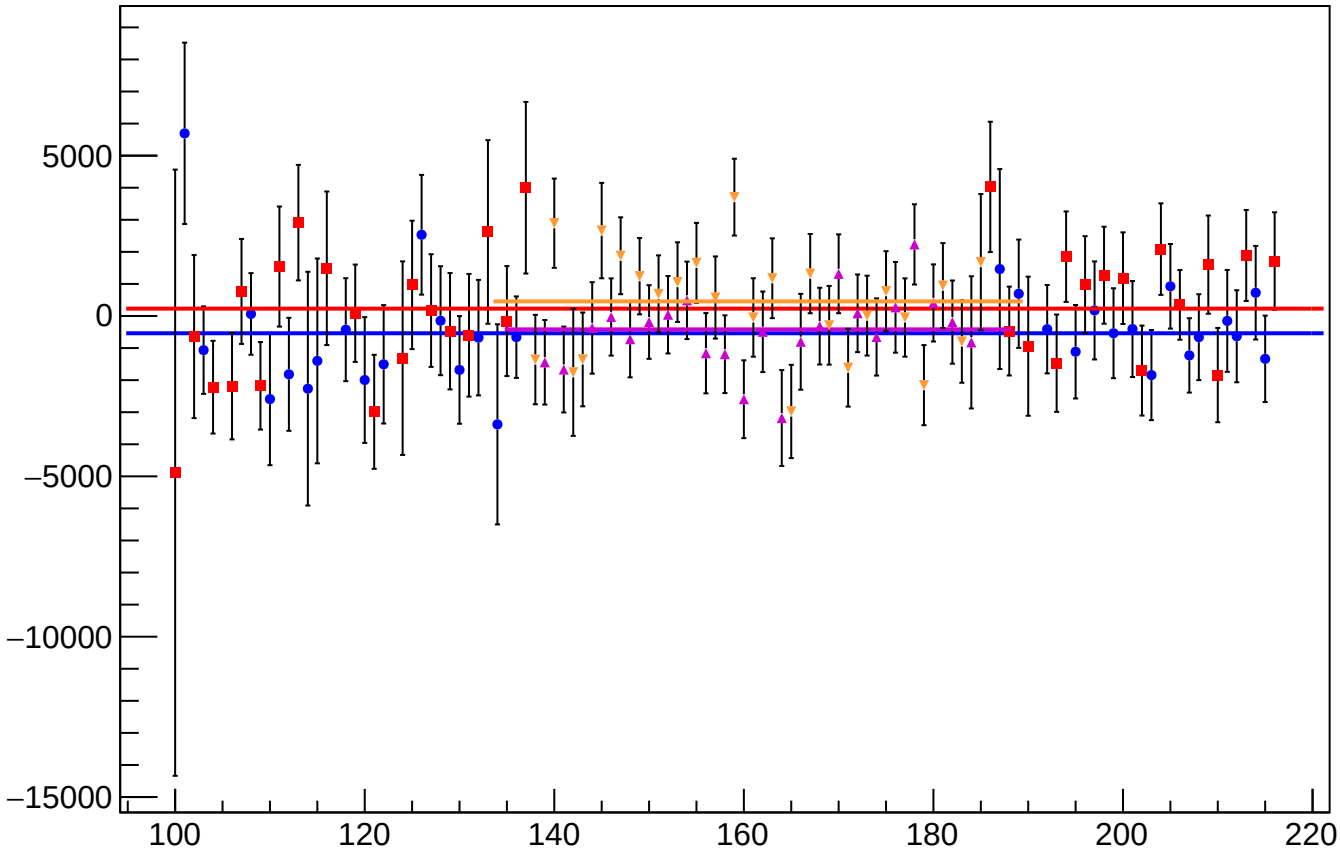
Right: 255.895+/-681.127 χ^2/NDF: 73.5/64

In: 24.639+/-677.407 χ^2/NDF:48.4/53

Out: 247.186+/-641.843 χ^2/NDF:66.7/58

All: 141.907+/-465.917 χ^2/NDF: 115.1/112


asym_usr_atr2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
220
Right In: 4237.566+/-0.712 χ²/NDF: 2872629.1/30
Left Out: 3840.830+/-0.630 χ²/NDF:1118666.6/24
Right Out: 3806.263+/-0.654 χ²/NDF: 4926218.8/33
Left In: 3843.328+/-0.648 χ²/NDF:1196057.8/22
Left: 3842.046+/-0.452 χ²/NDF: 2314732.0/47
Right: 4003.690+/-0.482 χ²/NDF: 7997900.3/64
In: 4021.823+/-0.479 χ²/NDF:4236526.5/53
Out: 3824.186+/-0.454 χ²/NDF:6046333.7/58
All: 3917.680+/-0.329 χ²/NDF: 10372567.5/



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: 229.419+/-285.818 χ^2/NDF: 34.9/33

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

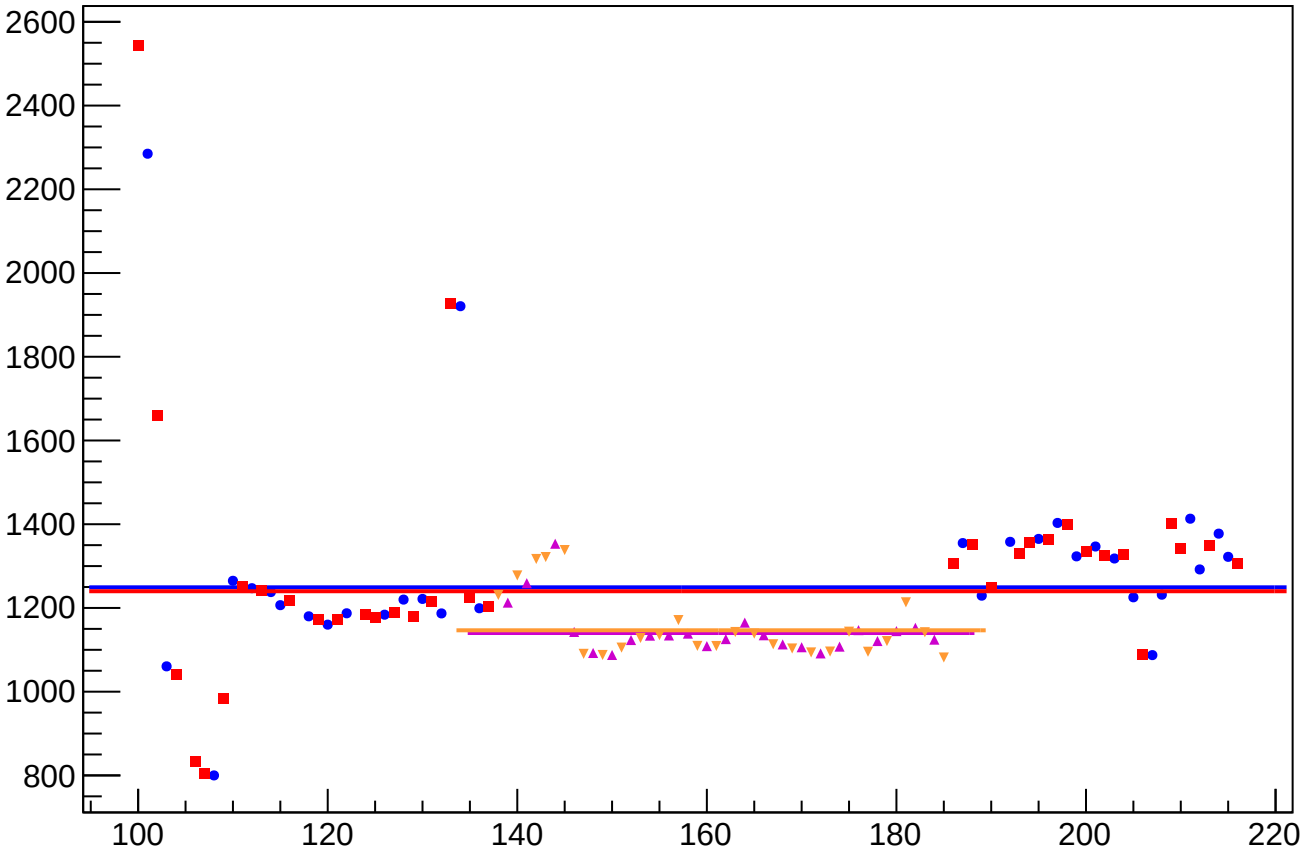
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -152.020+/-202.732 χ^2/NDF: 55.3/64

In: -473.134+/-195.512 χ^2/NDF:34.3/53

Out: 352.814+/-192.735 χ^2/NDF:71.3/58

All: -54.253+/-137.255 χ^2/NDF: 114.7/112



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: 1239.928+/-0.202 χ^2/NDF: 776155.4/33

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

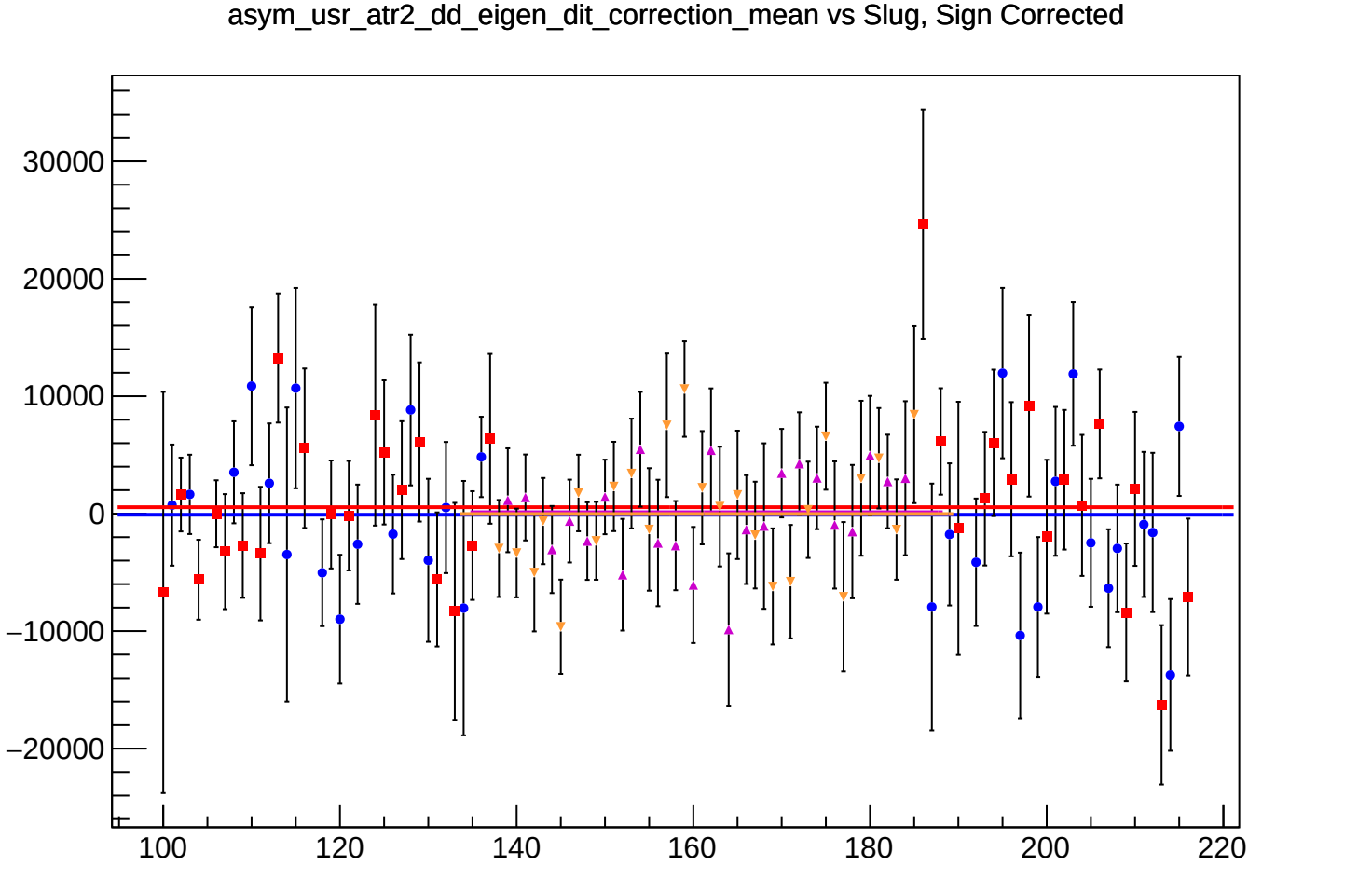
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

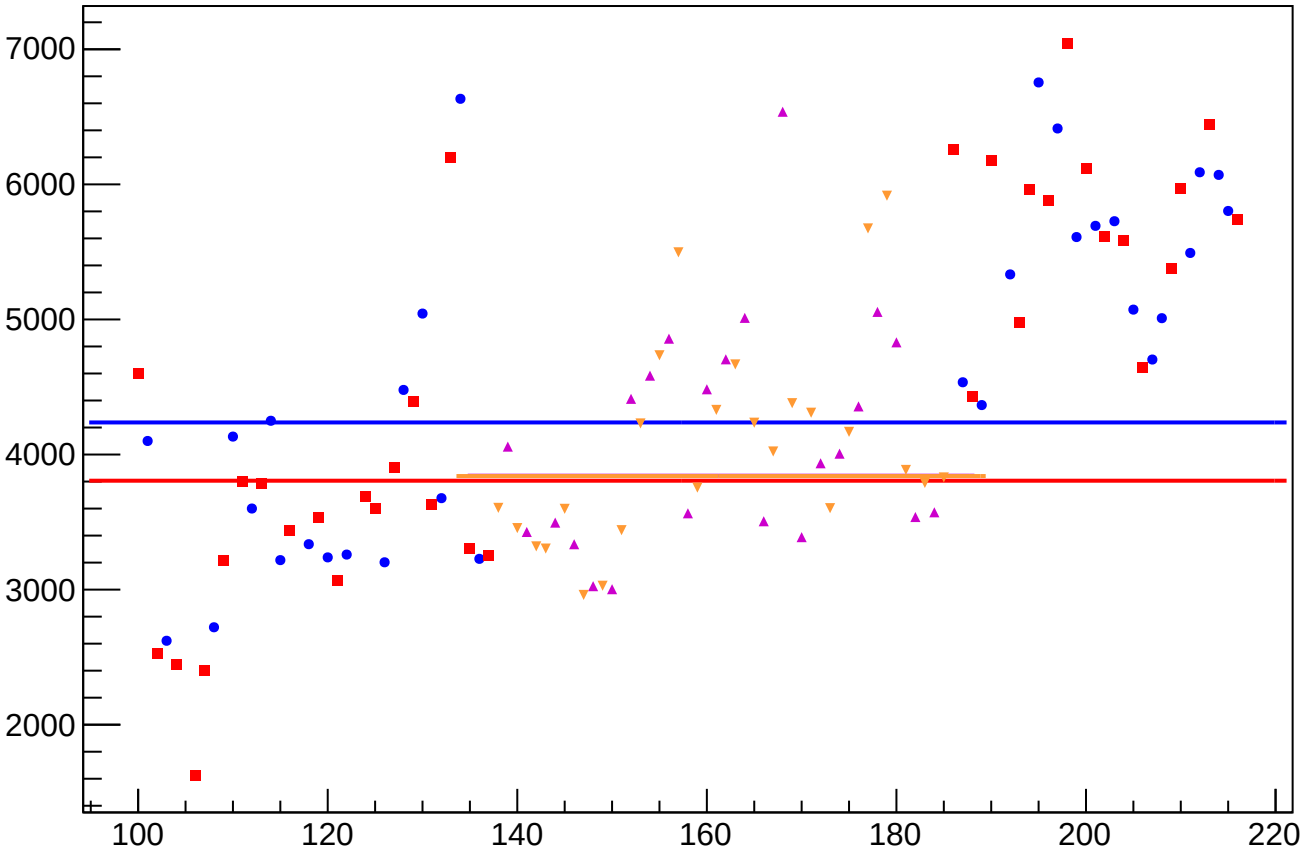
Right: 1244.566+/-0.143 χ^2/NDF: 1596550.5/64

In: 1190.584+/-0.138 χ^2/NDF:1058859.9/53

Out: 1189.055+/-0.136 χ^2/NDF:1033438.7/58

All: 1189.809+/-0.097 χ^2/NDF: 2092360.7/11


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: 549.477+/-924.967 χ²/NDF: 38.7/33
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 255.889+/-681.127 χ²/NDF: 73.5/64
In: 24.636+/-677.407 χ²/NDF:48.4/53
Out: 247.185+/-641.843 χ²/NDF:66.7/58
All: 141.905+/-465.917 χ²/NDF: 115.1/112



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: 3806.259+/-0.654 χ^2/NDF: 4926248.6/33

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

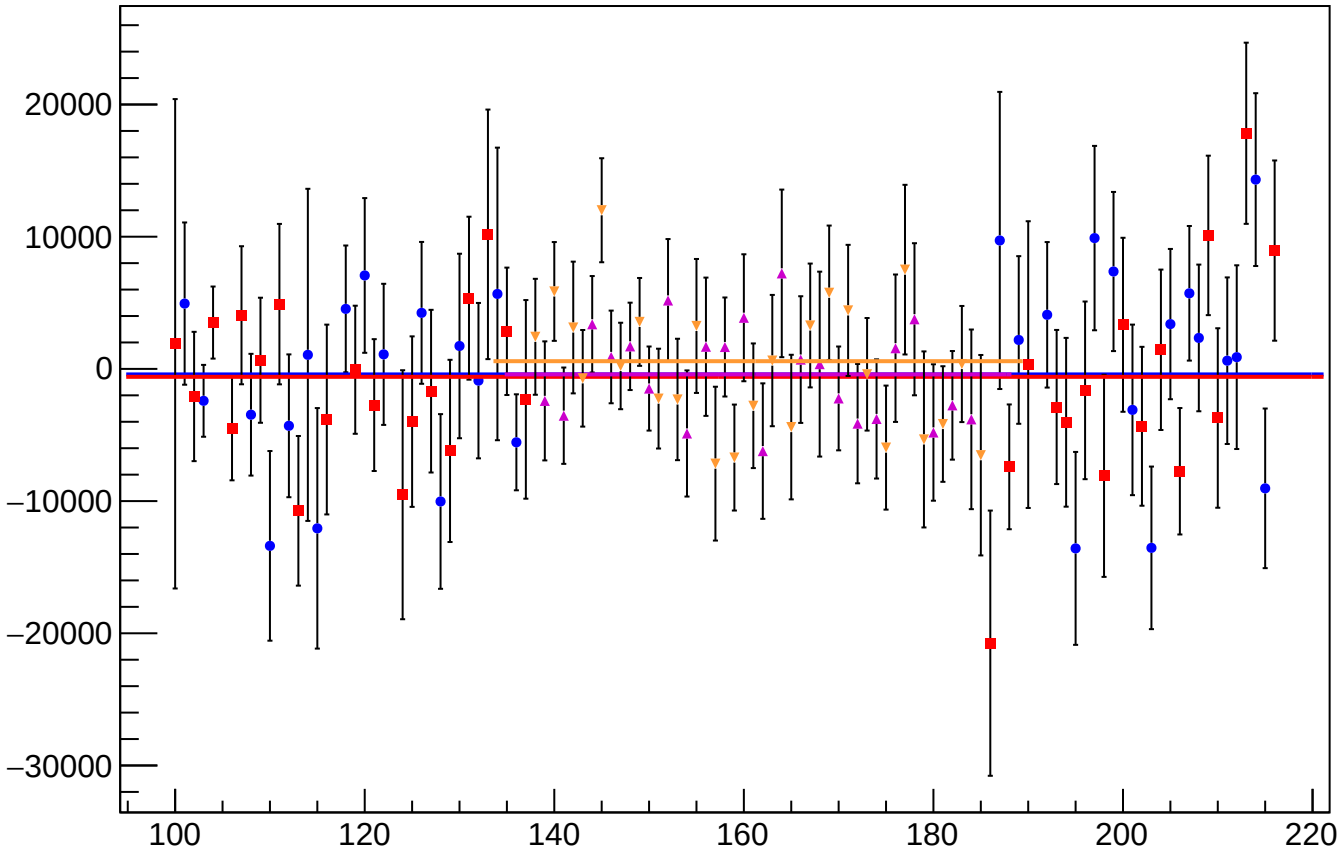
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 4003.687+/-0.482 χ^2/NDF: 7997948.0/64

In: 4021.825+/-0.479 χ^2/NDF:4236540.1/53

Out: 3824.186+/-0.454 χ^2/NDF:6046365.9/58

All: 3917.682+/-0.329 χ^2/NDF: 10372614.6/



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: -599.220+/-981.830 χ^2/NDF: 36.5/33

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

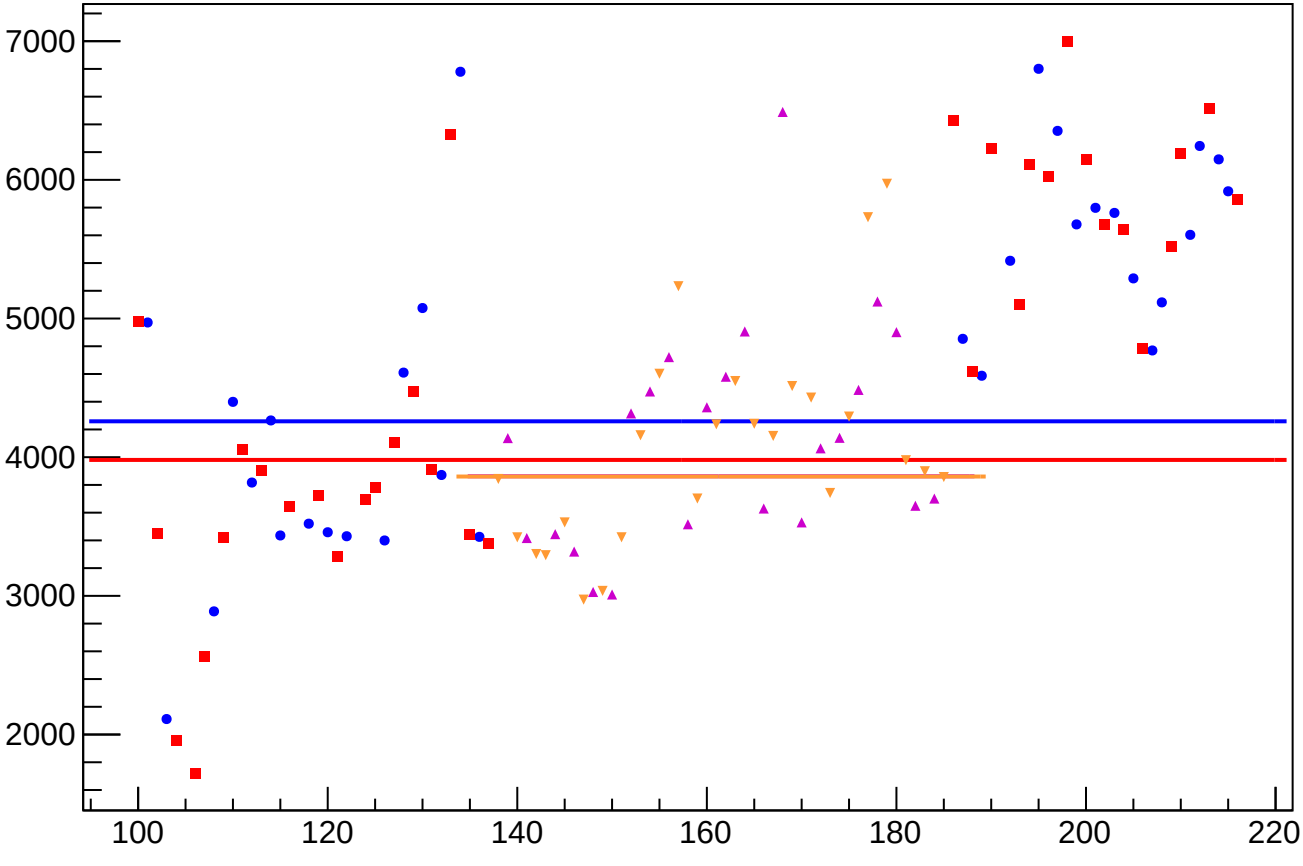
Right: -512.019+/-707.205 χ^2/NDF: 74.6/64

In: -417.338+/-682.610 χ^2/NDF:50.5/53

Out: 46.685+/-661.391 χ^2/NDF:64.7/58

All: -178.003+/-474.999 χ^2/NDF: 115.5/112

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: 3980.276+/-0.687 χ^2/NDF: 4814262.7/33

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

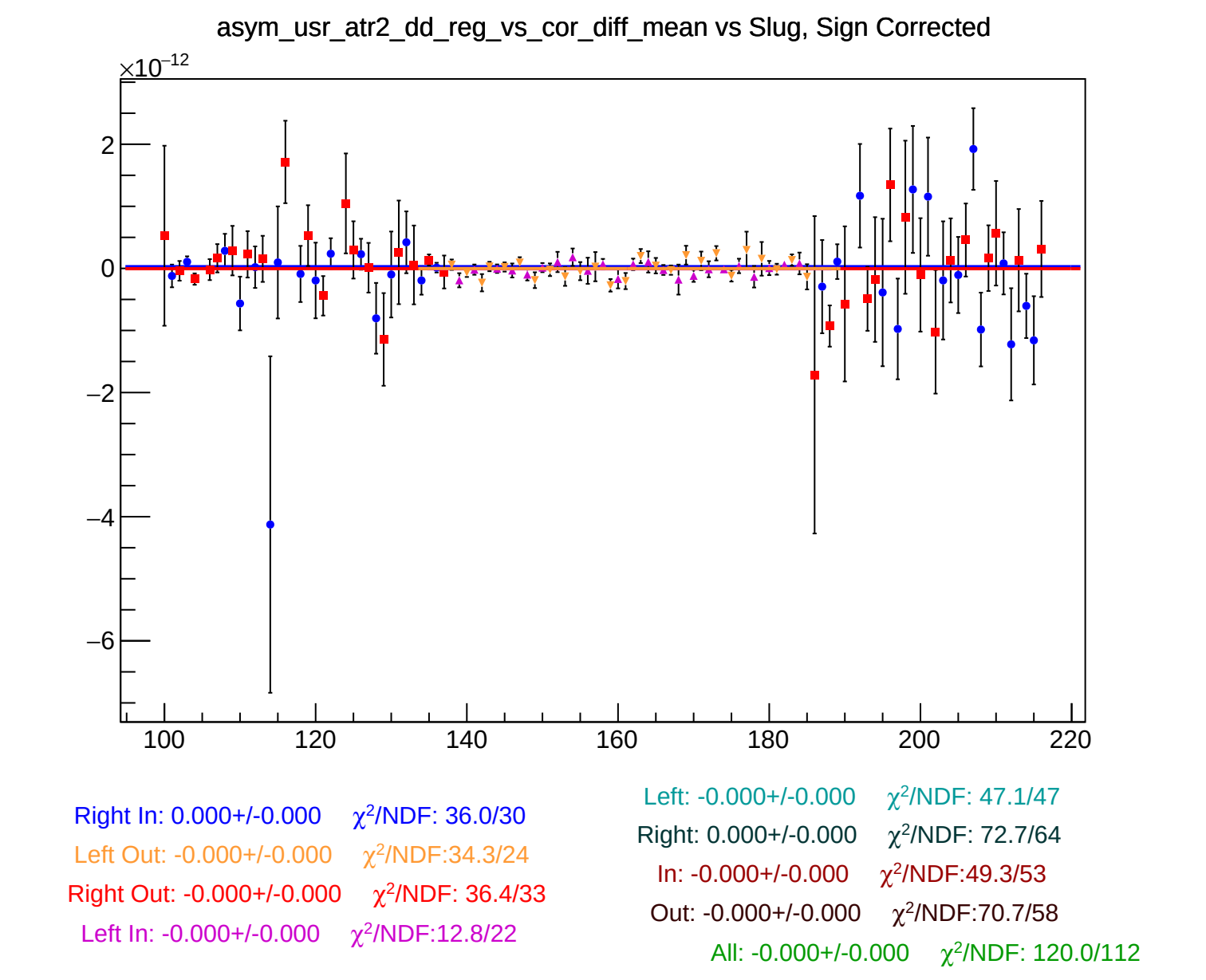
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

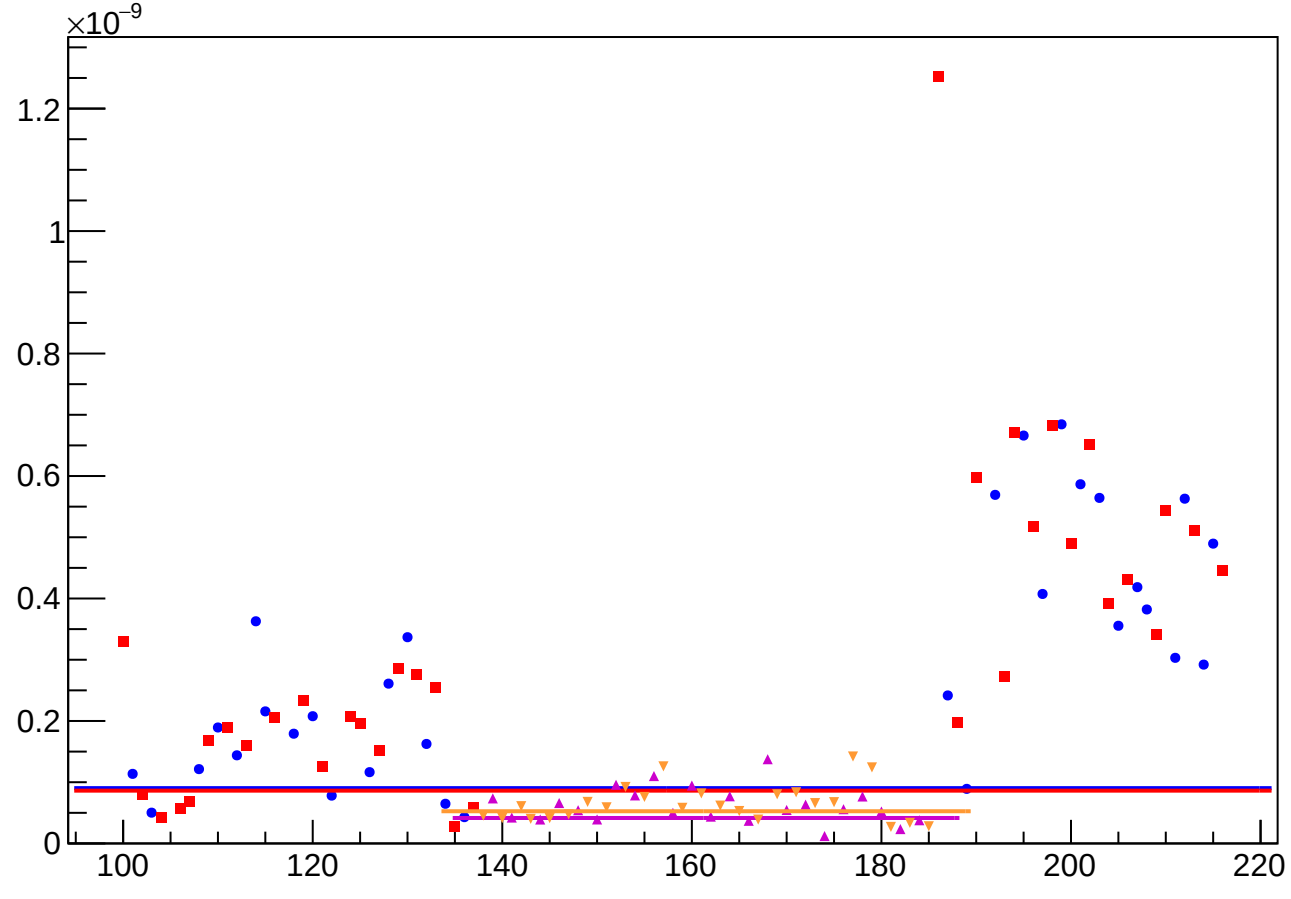
Right: 4112.761+/-0.497 χ^2/NDF: 8383509.4/64

In: 4040.055+/-0.483 χ^2/NDF:4800020.2/53

Out: 3915.521+/-0.465 χ^2/NDF:5927997.4/58

All: 3975.512+/-0.335 χ^2/NDF: 10762517.8/1


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 36.0/30
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.4/33
Left In: -0.000+/-0.000 χ²/NDF:12.8/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/47
Right: 0.000+/-0.000 χ²/NDF: 72.7/64
In: -0.000+/-0.000 χ²/NDF:49.3/53
Out: -0.000+/-0.000 χ²/NDF:70.7/58
All: -0.000+/-0.000 χ²/NDF: 120.0/112



Right In: 0.000+/-0.000 χ^2/NDF: 8517779.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9643251.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

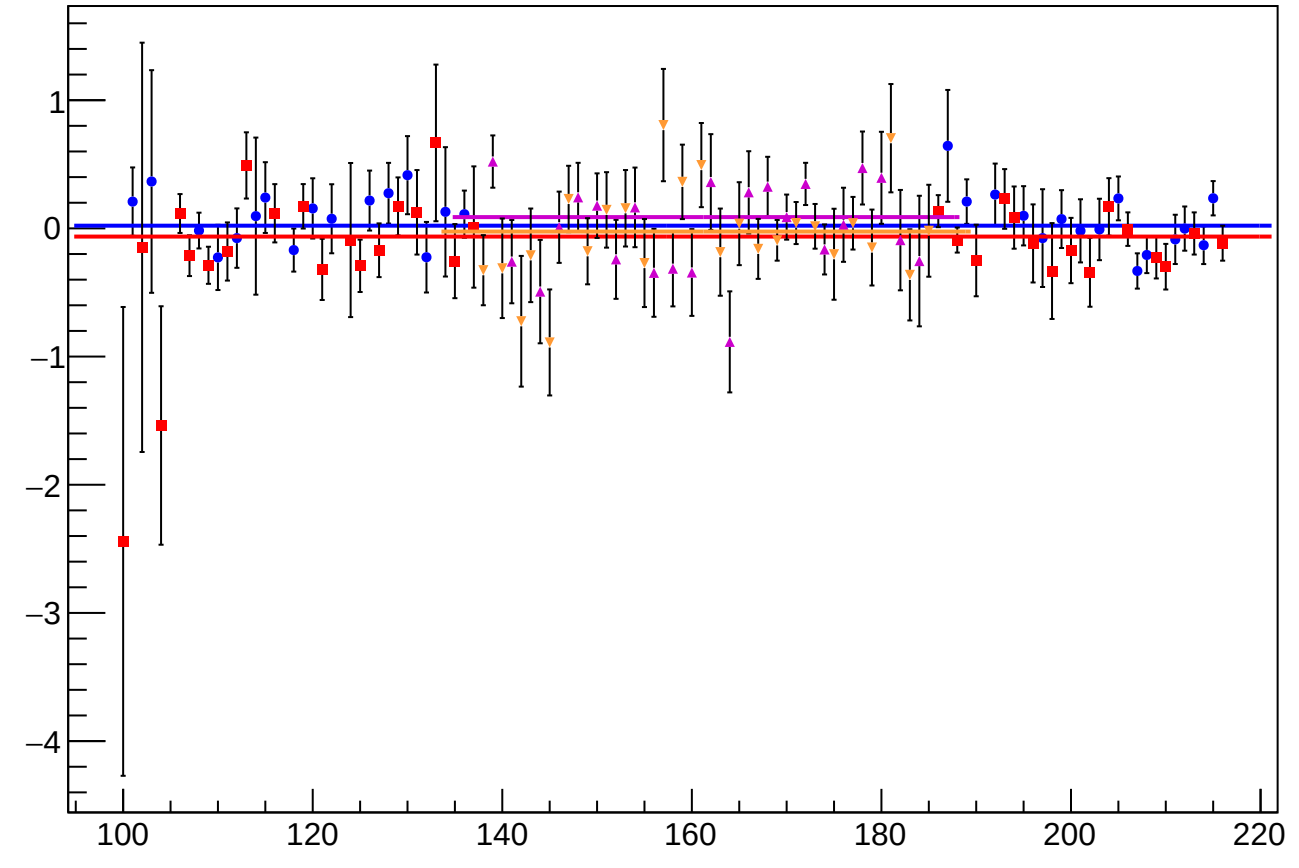
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 18168530.9/64

In: 0.000+/-0.000 χ^2/NDF:13310653.9/53

Out: 0.000+/-0.000 χ^2/NDF:12083092.2/58

All: 0.000+/-0.000 χ^2/NDF: 25646622.1/112



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: -0.064+/-0.035 χ^2/NDF: 33.2/33

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

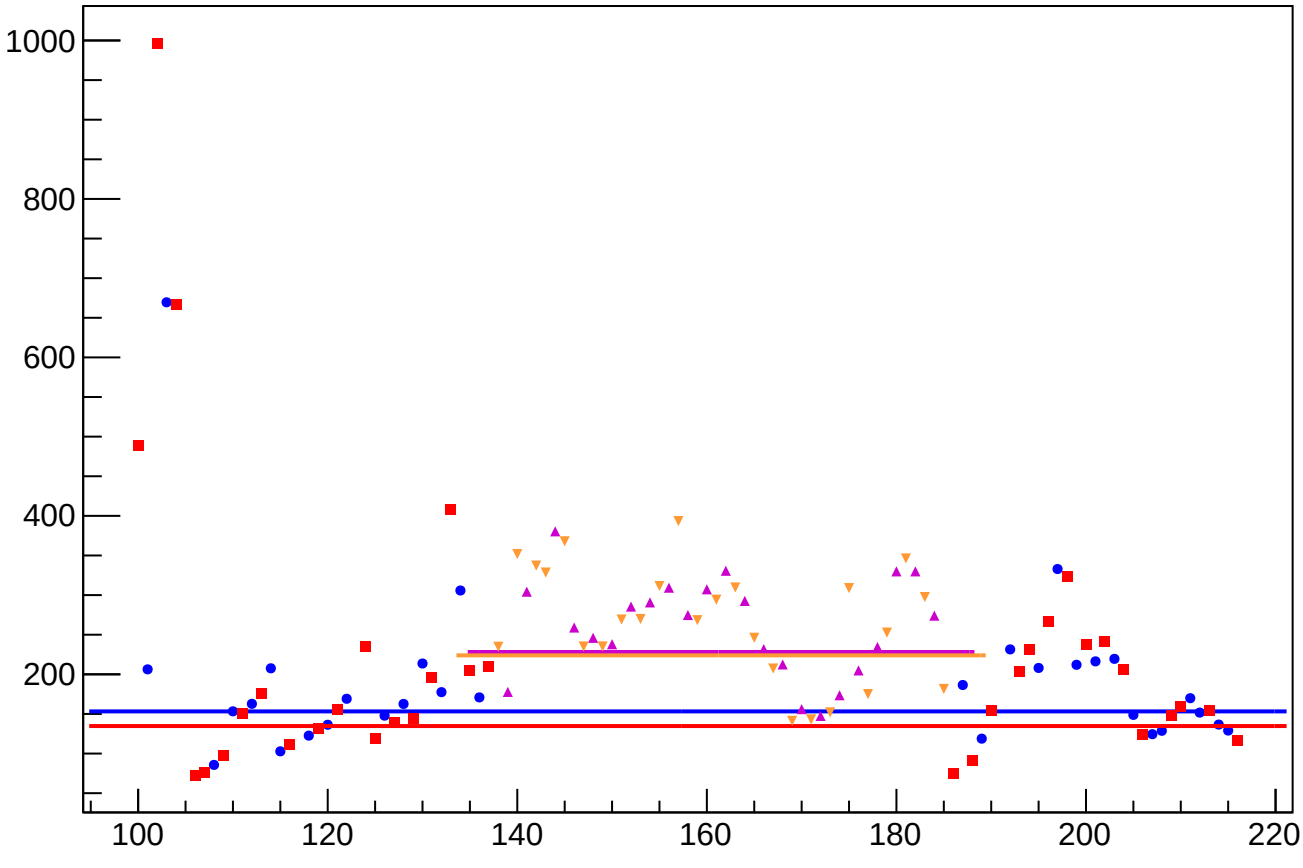
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.025+/-0.025 χ^2/NDF: 63.9/64

In: 0.041+/-0.031 χ^2/NDF:58.9/53

Out: -0.053+/-0.029 χ^2/NDF:57.7/58

All: -0.009+/-0.021 χ^2/NDF: 121.4/112



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: 134.723+/-0.024 χ^2/NDF: 6099233.5/33

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

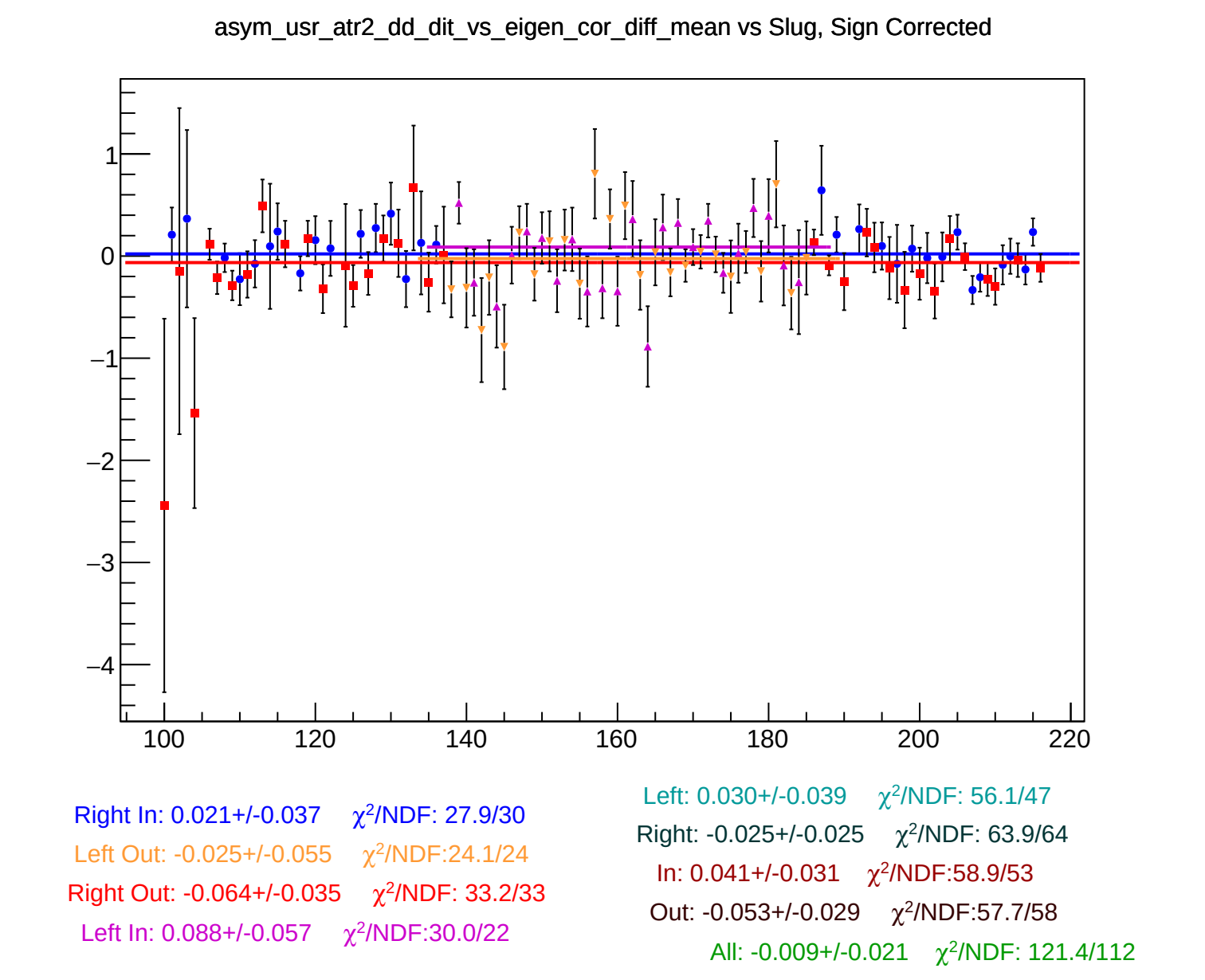
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

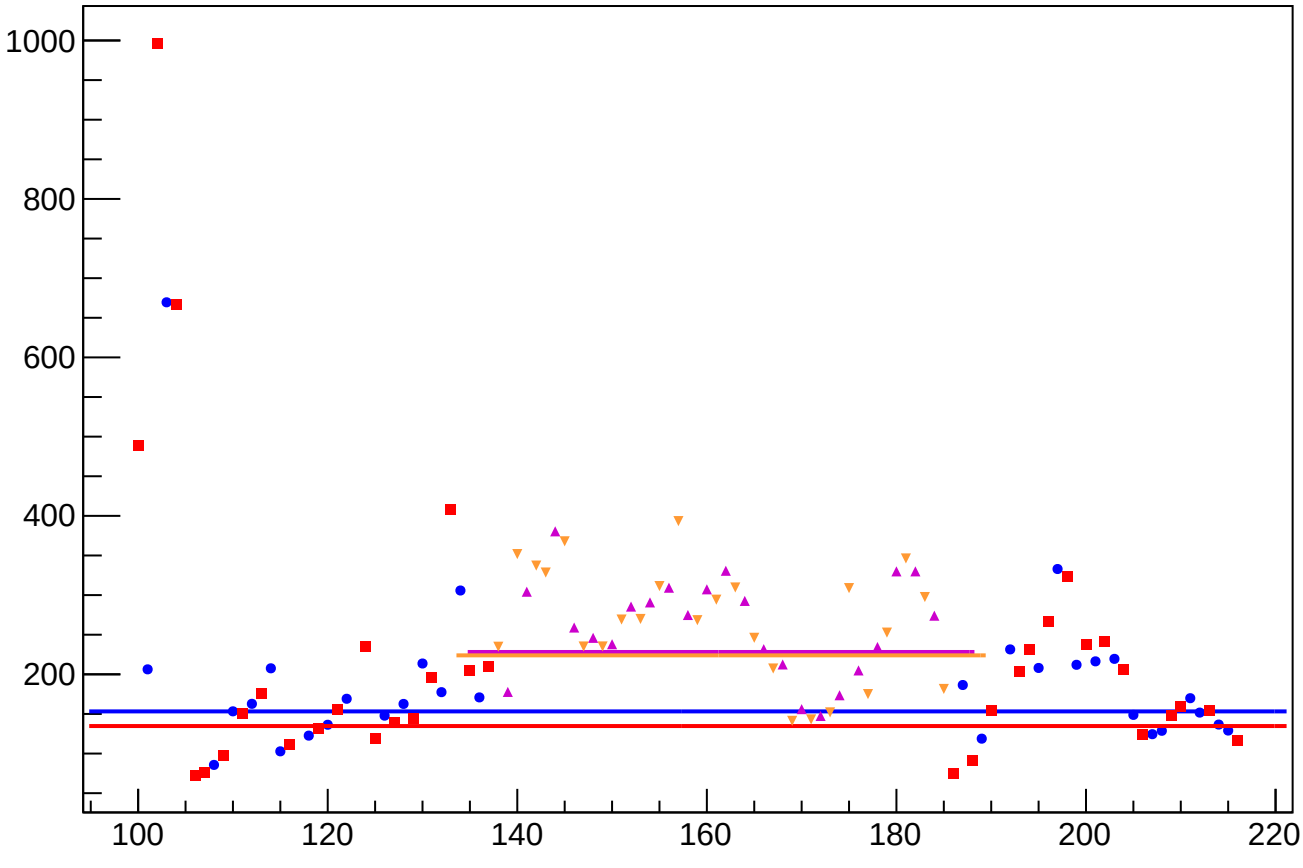
Right: 143.220+/-0.018 χ^2/NDF: 9617021.5/64

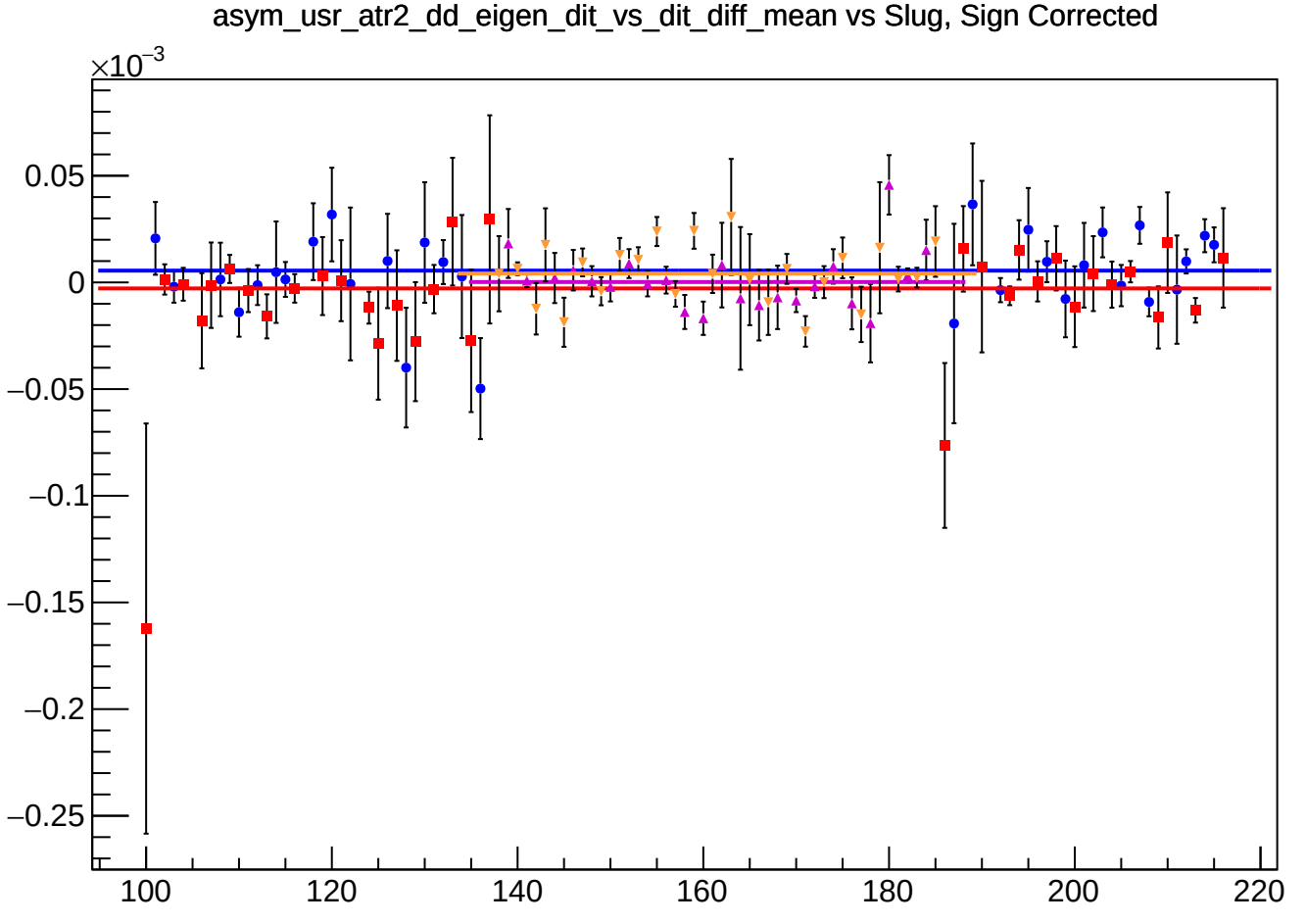
In: 176.043+/-0.022 χ^2/NDF:8180368.3/53

Out: 160.249+/-0.021 χ^2/NDF:13350432.1/58

All: 167.609+/-0.015 χ^2/NDF: 21803413.1/11


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
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: -0.064+/-0.035 χ²/NDF: 33.2/33
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.025+/-0.025 χ²/NDF: 63.9/64
In: 0.041+/-0.031 χ²/NDF:58.9/53
Out: -0.053+/-0.029 χ²/NDF:57.7/58
All: -0.009+/-0.021 χ²/NDF: 121.4/112


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
120
140
160
180
200
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: 134.723+/-0.024 χ²/NDF: 6099233.5/33
Left In: 228.199+/-0.040 χ²/NDF:2488915.3/22
Left: 225.993+/-0.028 χ²/NDF: 5933206.6/47
Right: 143.220+/-0.018 χ²/NDF: 9617021.5/64
In: 176.043+/-0.022 χ²/NDF:8180368.3/53
Out: 160.249+/-0.021 χ²/NDF:13350432.1/58
All: 167.609+/-0.015 χ²/NDF: 21803413.1/11



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: 28.7/33

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

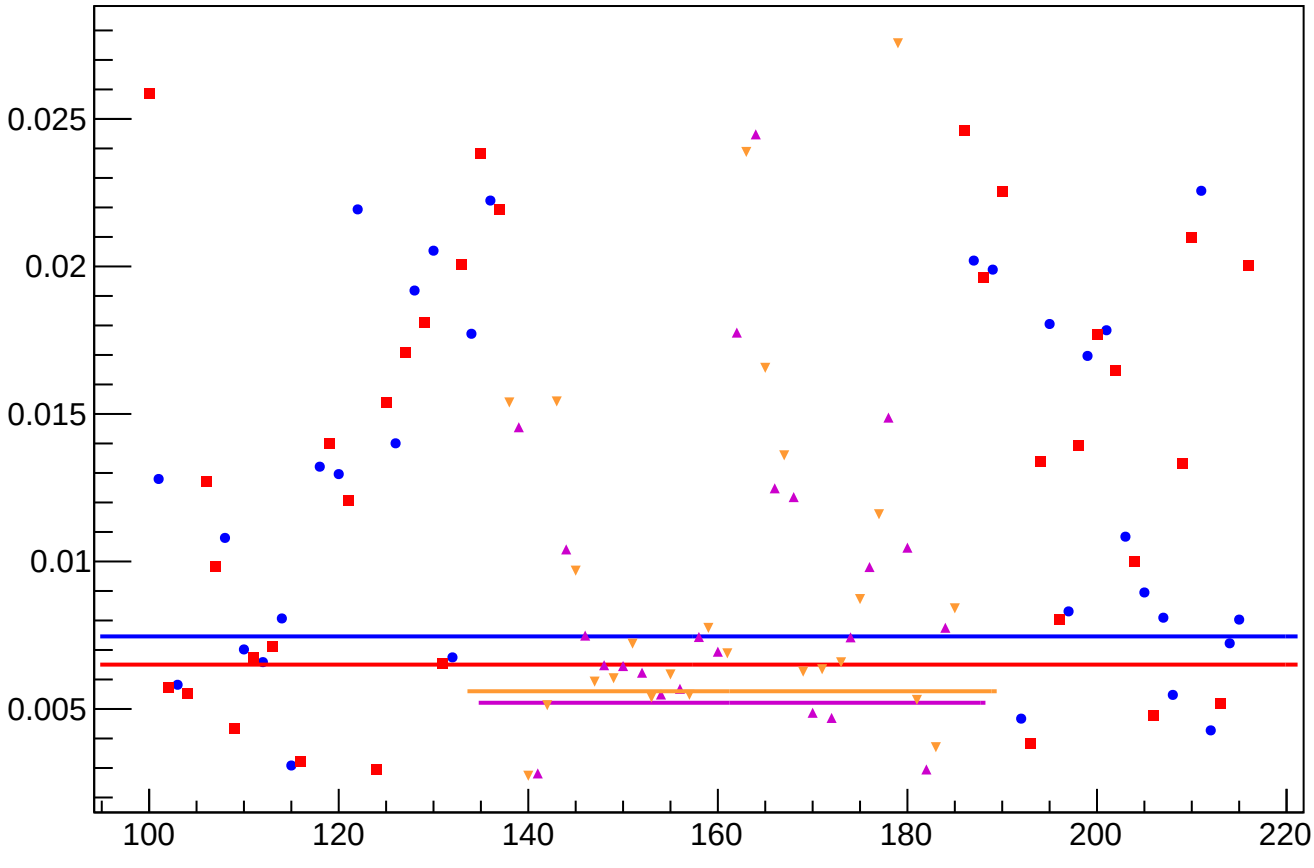
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: 0.000+/-0.000 χ^2/NDF: 81.4/64

In: 0.000+/-0.000 χ^2/NDF:77.8/53

Out: 0.000+/-0.000 χ^2/NDF:86.6/58

All: 0.000+/-0.000 χ^2/NDF: 164.5/112



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: 0.007+/-0.000 χ^2/NDF: 11216017.4/33

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

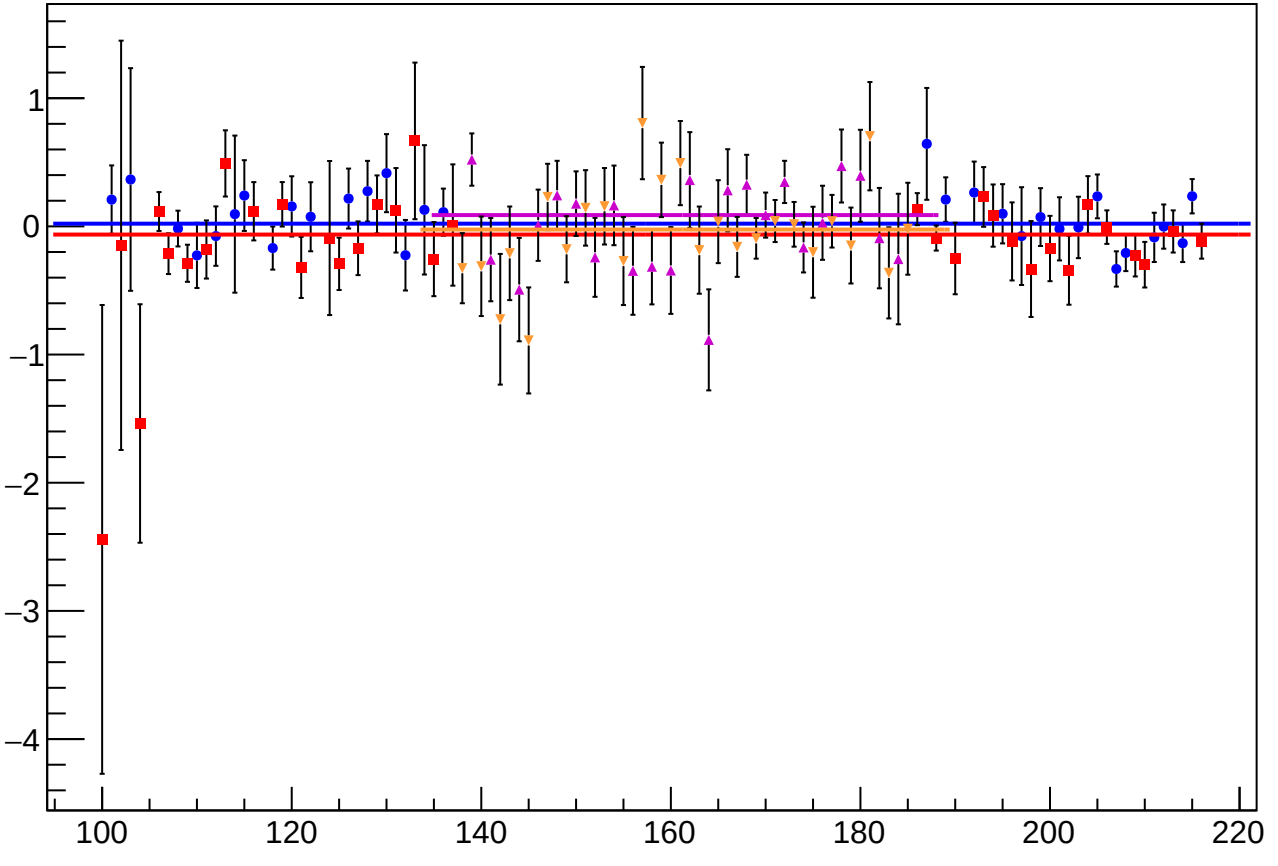
Right: 0.007+/-0.000 χ^2/NDF: 19561805.5/64

In: 0.006+/-0.000 χ^2/NDF:17237342.4/53

Out: 0.006+/-0.000 χ^2/NDF:19290364.1/58

All: 0.006+/-0.000 χ^2/NDF: 36527878.5/112

asym_usr_atr2_dd_eigen_dit_vs_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: -0.064+/-0.035 χ^2/NDF: 33.2/33

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

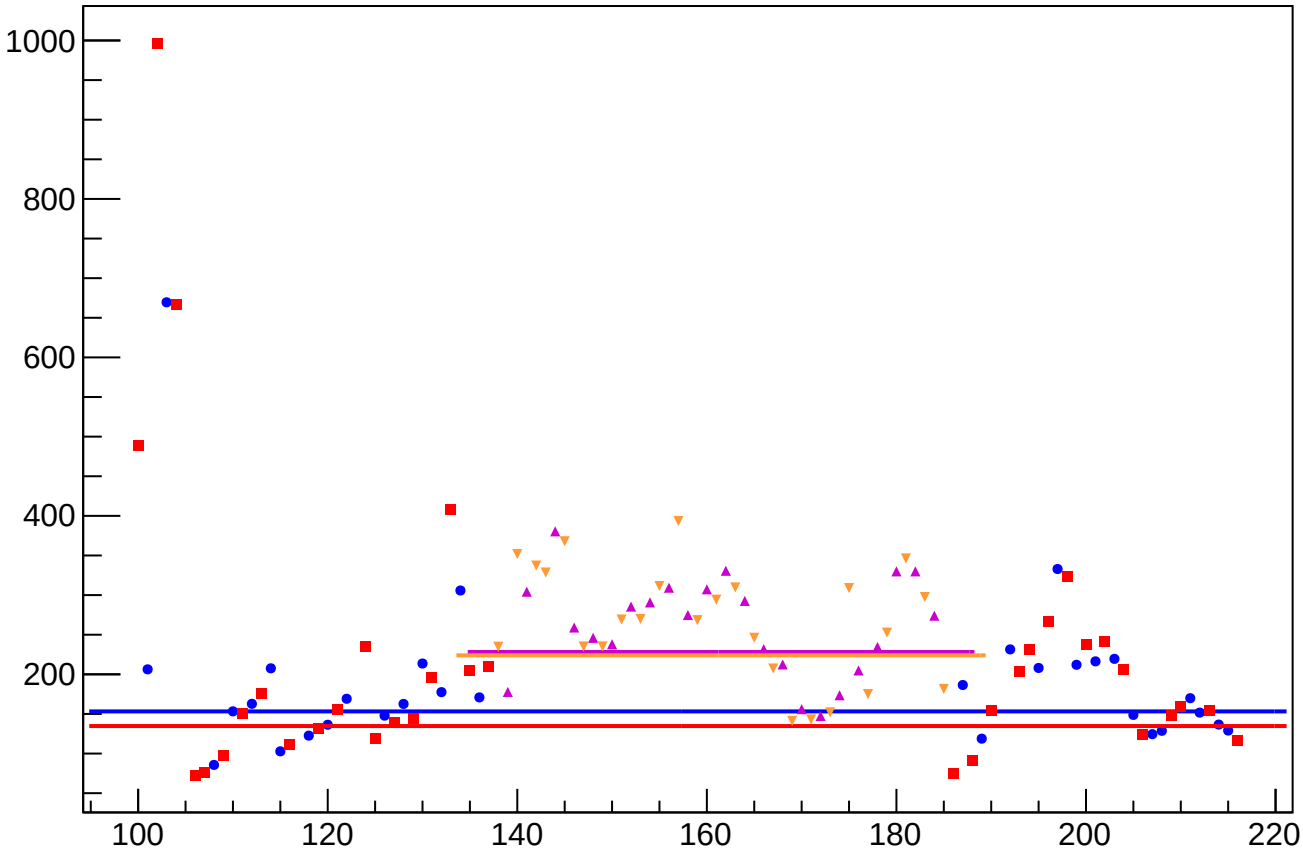
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.025+/-0.025 χ^2/NDF: 63.9/64

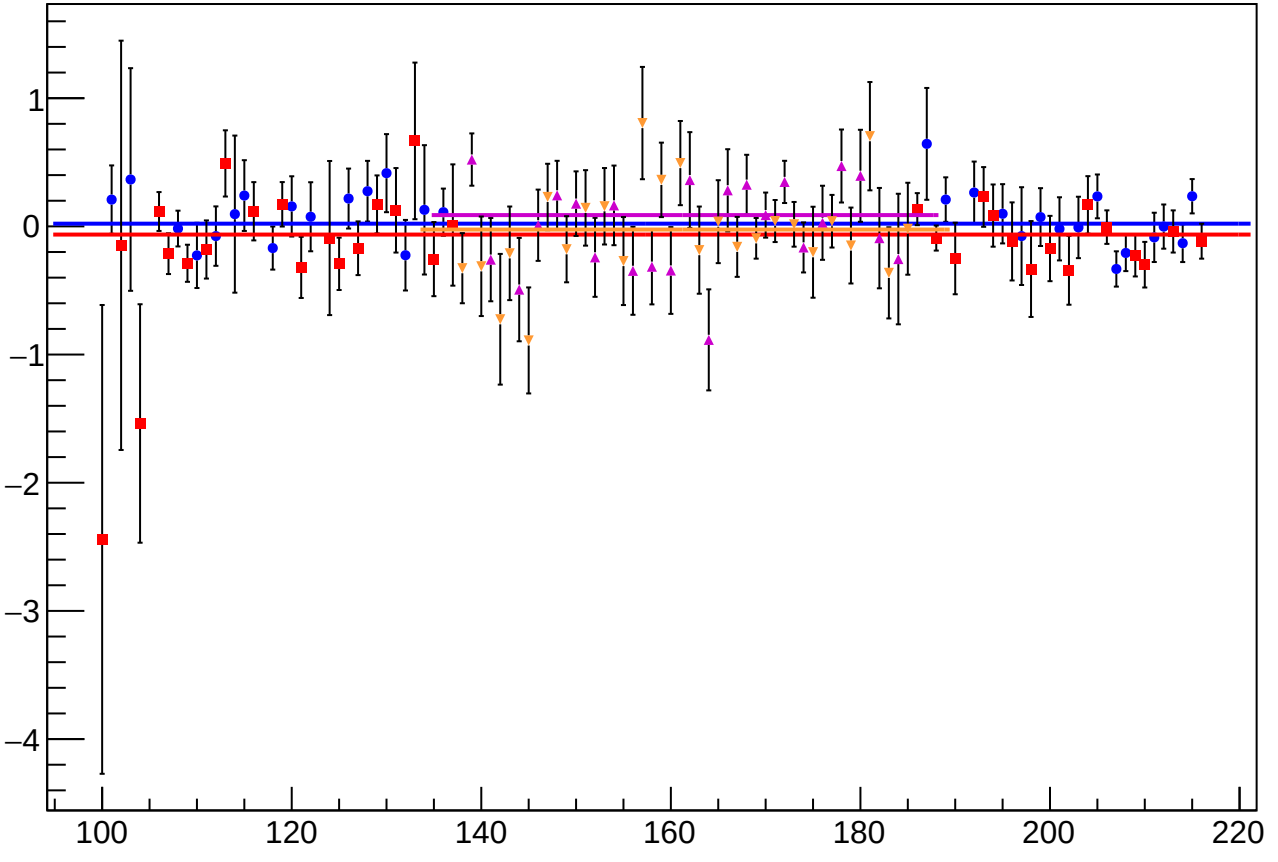
In: 0.041+/-0.031 χ^2/NDF:58.9/53

Out: -0.053+/-0.029 χ^2/NDF:57.7/58

All: -0.009+/-0.021 χ^2/NDF: 121.4/112


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
120
140
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: 134.726+/-0.024 χ²/NDF: 6098694.3/33
Left In: 228.201+/-0.040 χ²/NDF:2488951.6/22
Left: 225.995+/-0.028 χ²/NDF: 5933340.6/47
Right: 143.221+/-0.018 χ²/NDF: 9616490.3/64
In: 176.042+/-0.022 χ²/NDF:8180808.1/53
Out: 160.252+/-0.021 χ²/NDF:13349733.6/58
All: 167.610+/-0.015 χ²/NDF: 21802989.2/11

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: -0.064+/-0.035 χ^2/NDF: 33.2/33

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

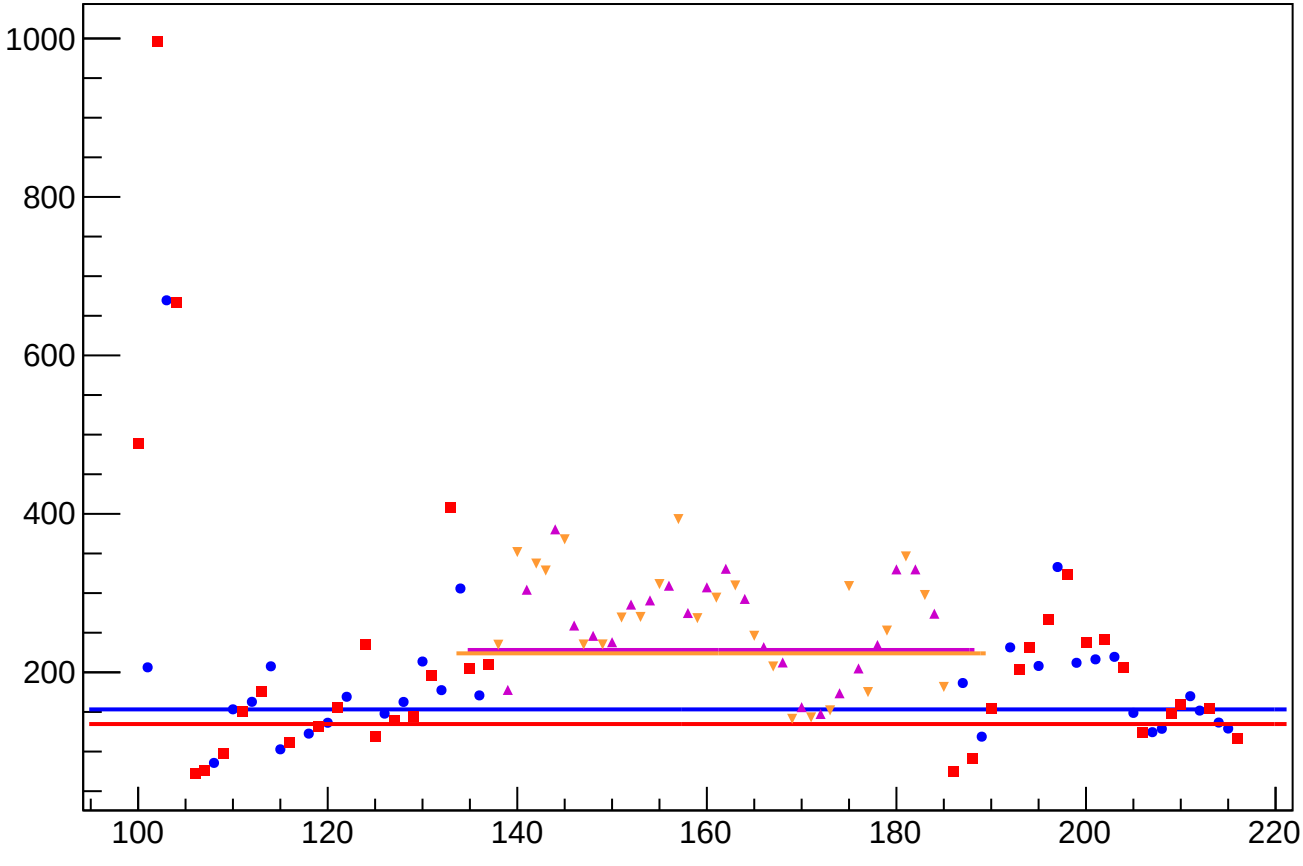
Right: -0.025+/-0.025 χ^2/NDF: 63.9/64

In: 0.041+/-0.031 χ^2/NDF:58.9/53

Out: -0.053+/-0.029 χ^2/NDF:57.7/58

All: -0.009+/-0.021 χ^2/NDF: 121.4/112

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.211+/-0.027 χ^2/NDF: 3254931.8/30

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 134.726+/-0.024 χ^2/NDF: 6098694.3/33

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

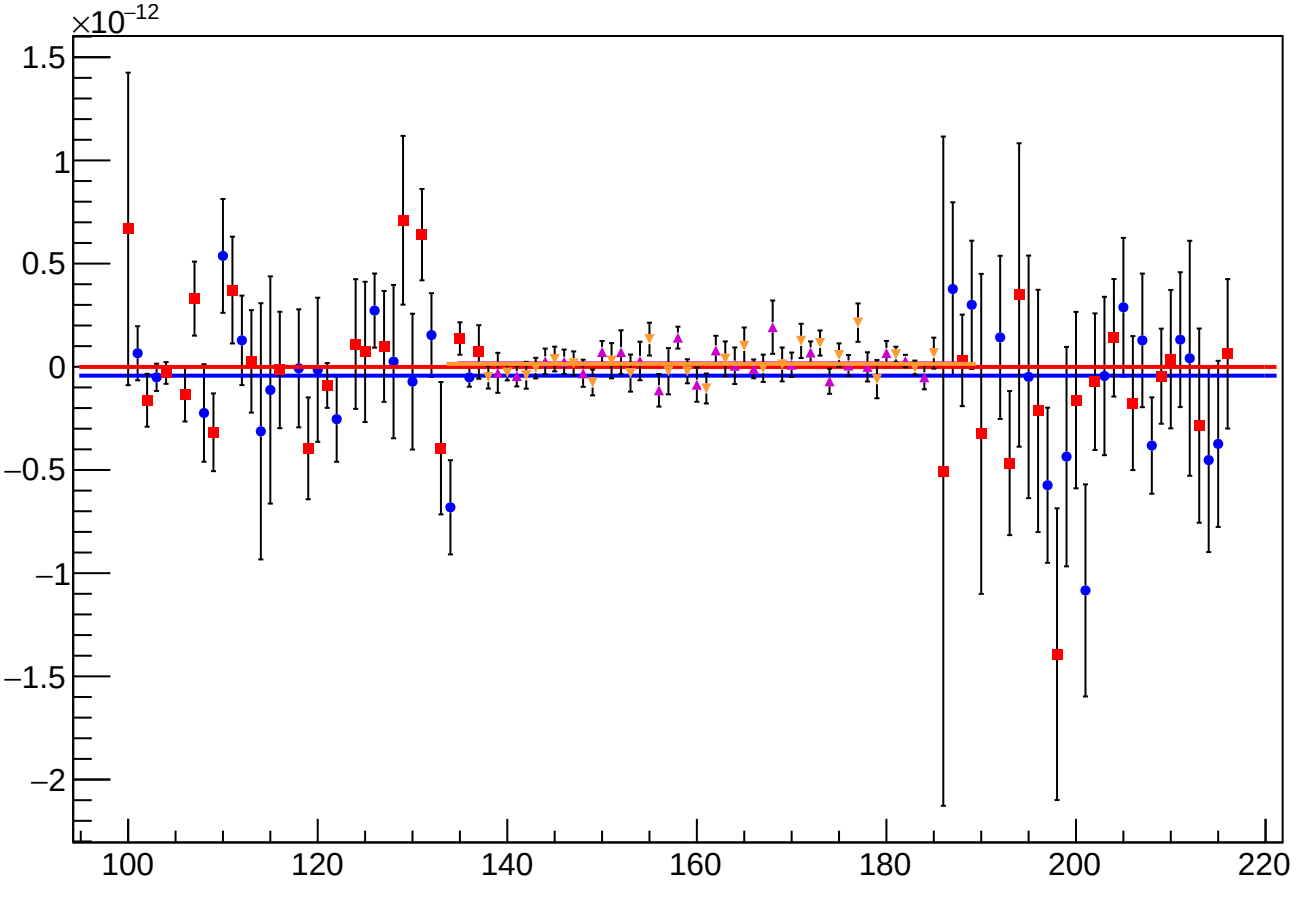
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 143.221+/-0.018 χ^2/NDF: 9616490.3/64

In: 176.042+/-0.022 χ^2/NDF:8180808.1/53

Out: 160.252+/-0.021 χ^2/NDF:13349733.6/58

All: 167.610+/-0.015 χ^2/NDF: 21802989.2/11



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: 39.3/33

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

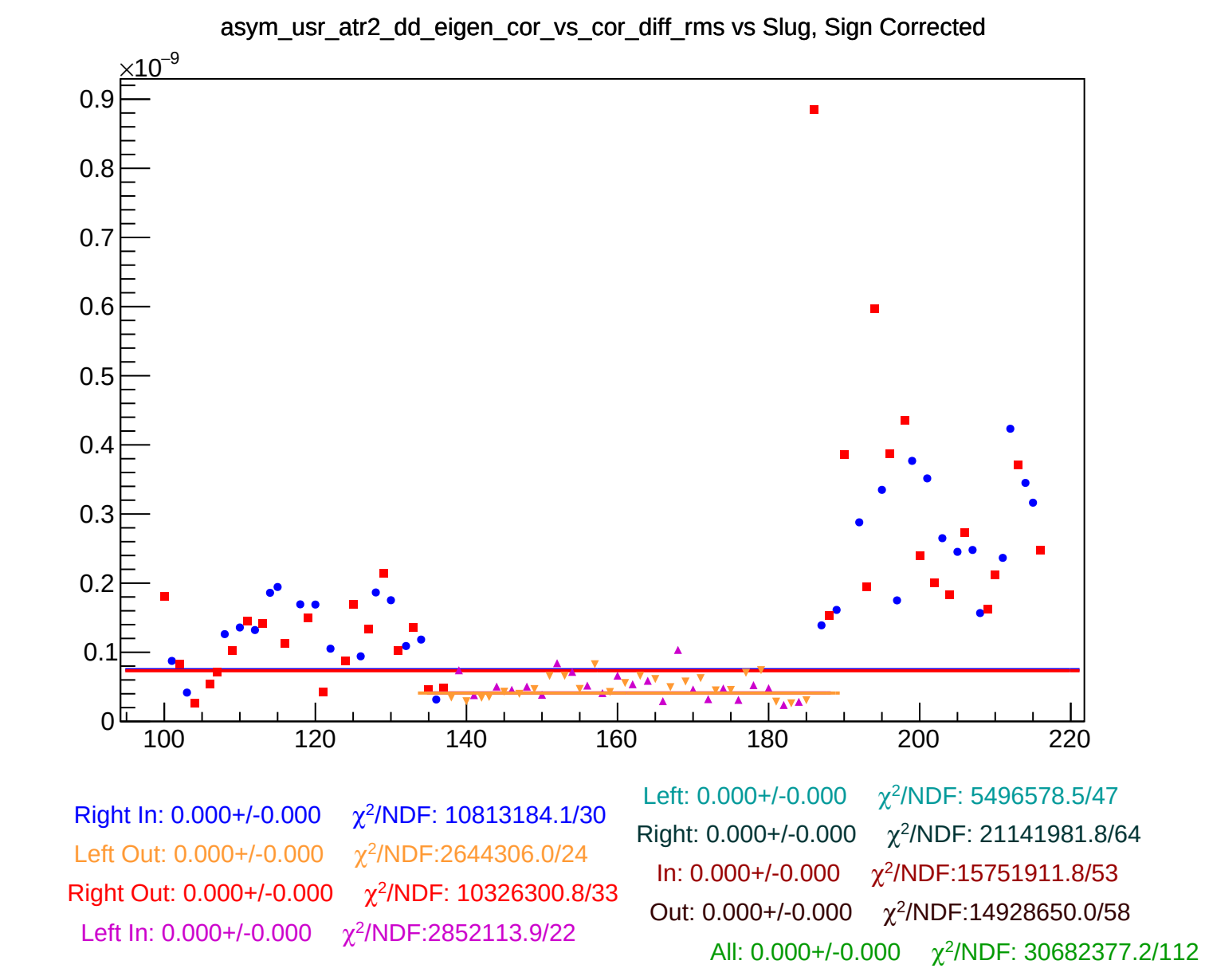
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

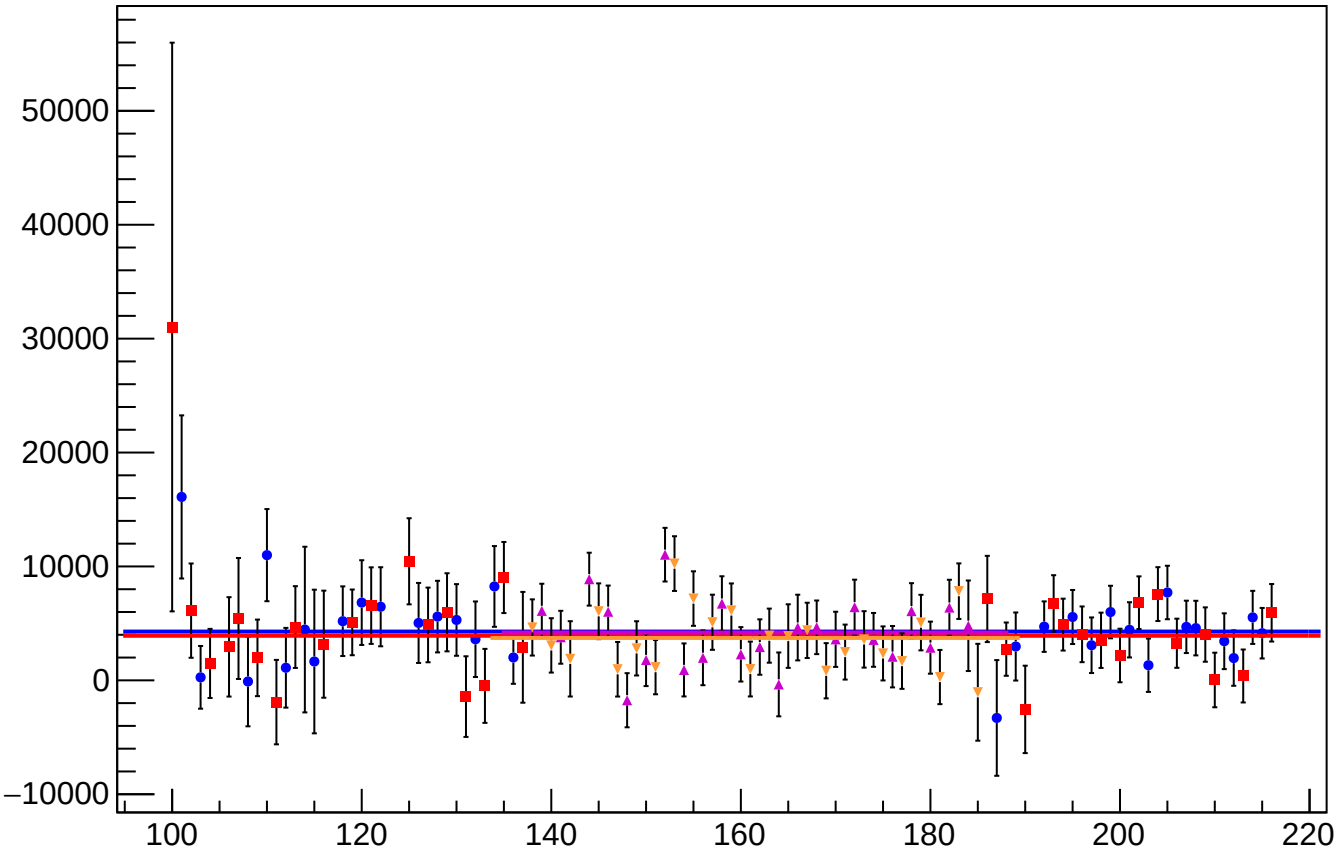
Right: -0.000+/-0.000 χ^2/NDF: 74.1/64

In: 0.000+/-0.000 χ^2/NDF:58.8/53

Out: 0.000+/-0.000 χ^2/NDF:64.9/58

All: 0.000+/-0.000 χ^2/NDF: 123.7/112


asym_usr_atr2_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: 10813184.1/30
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 10326300.8/33
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: 21141981.8/64
In: 0.000+/-0.000 χ²/NDF:15751911.8/53
Out: 0.000+/-0.000 χ²/NDF:14928650.0/58
All: 0.000+/-0.000 χ²/NDF: 30682377.2/112



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: 3913.978+/-514.107 χ^2/NDF: 31.7/32

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

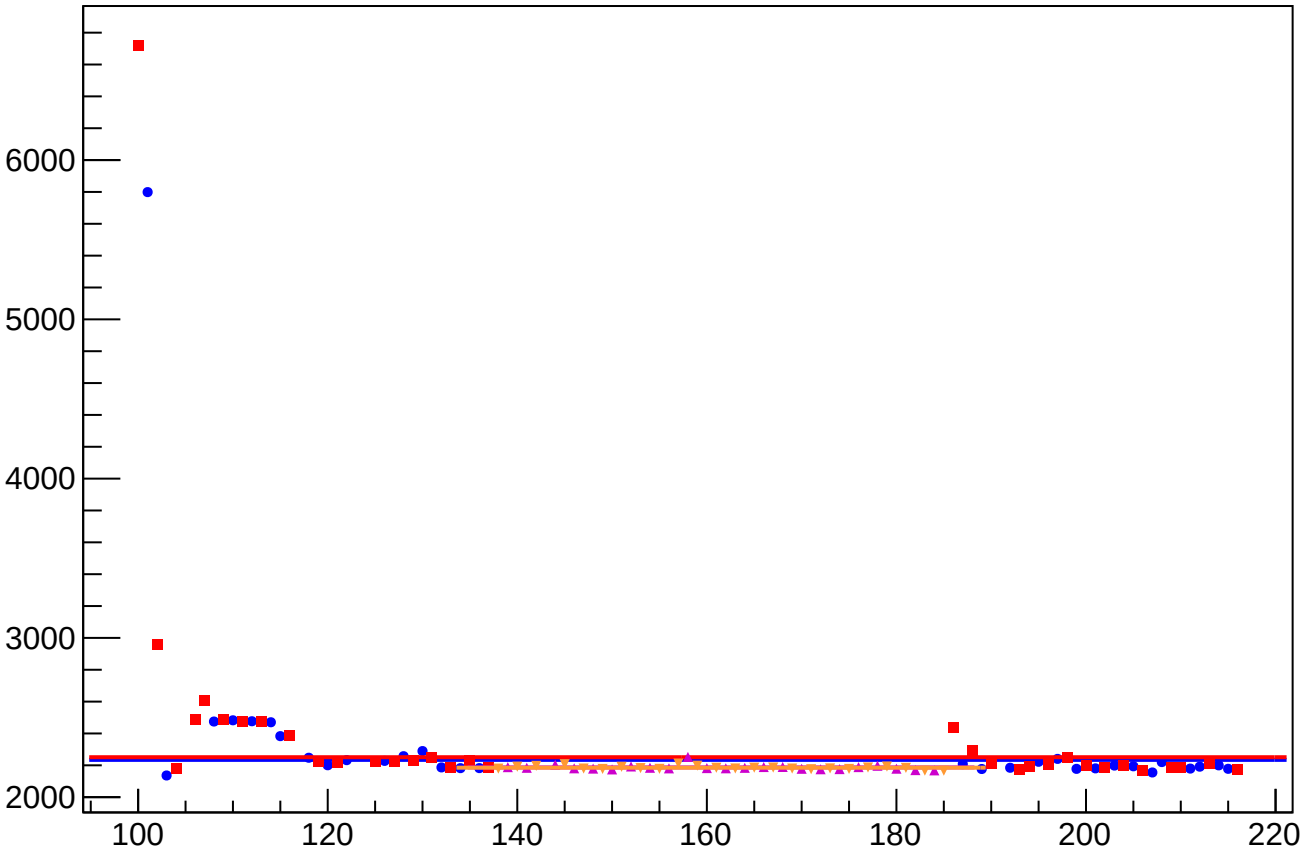
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4098.526+/-362.811 χ^2/NDF: 54.0/63

In: 4238.658+/-361.565 χ^2/NDF:54.1/53

Out: 3817.435+/-361.045 χ^2/NDF:57.2/56

All: 4027.744+/-255.481 χ^2/NDF: 112.0/110



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: 2250.832+/-0.364 χ^2/NDF: 189101.3/32

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

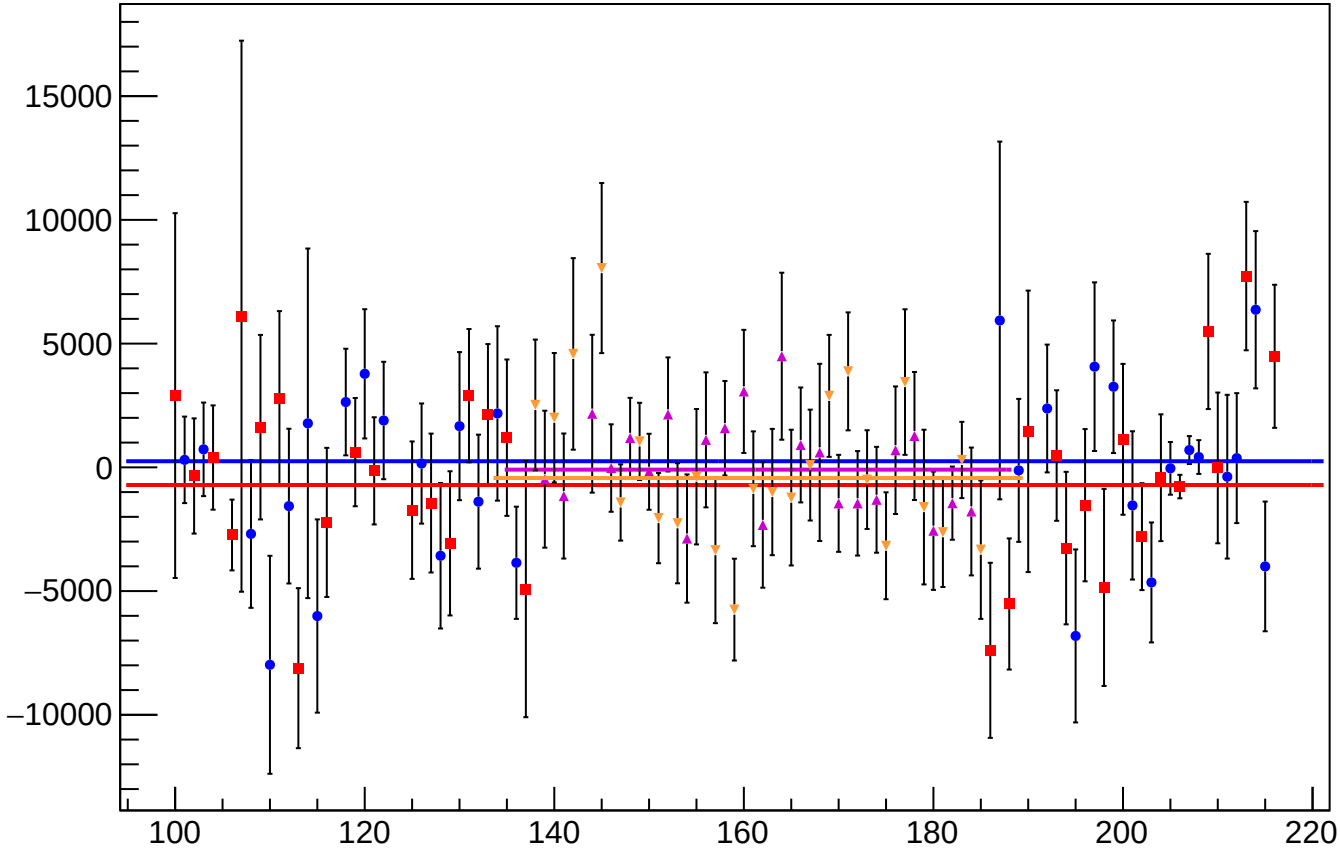
Right: 2242.458+/-0.257 χ^2/NDF: 729763.6/63

In: 2210.377+/-0.256 χ^2/NDF:550263.3/53

Out: 2217.535+/-0.255 χ^2/NDF:206470.0/56

All: 2213.961+/-0.181 χ^2/NDF: 757125.8/110

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: -713.518+/-342.770 χ^2/NDF: 40.4/32

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

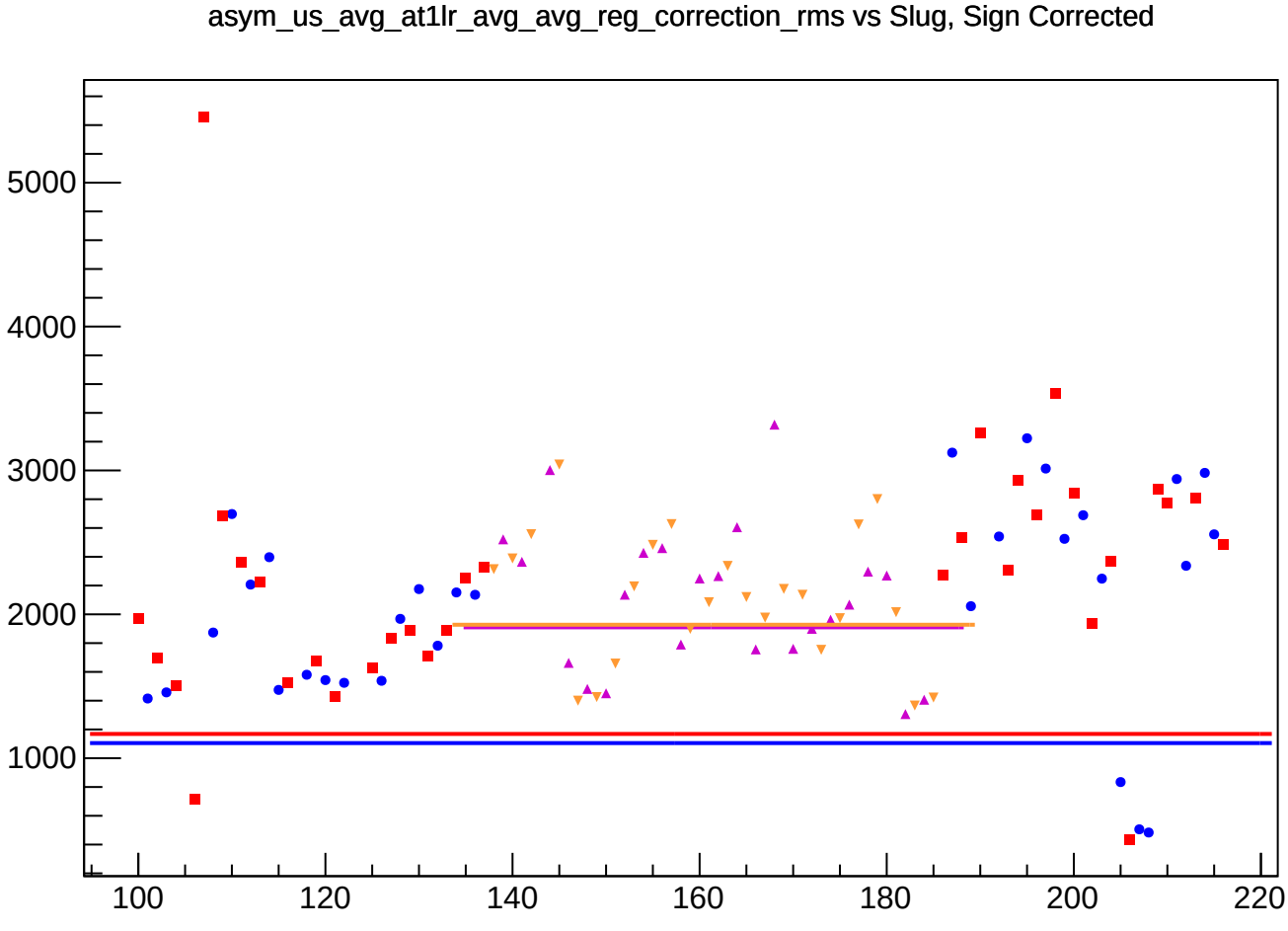
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

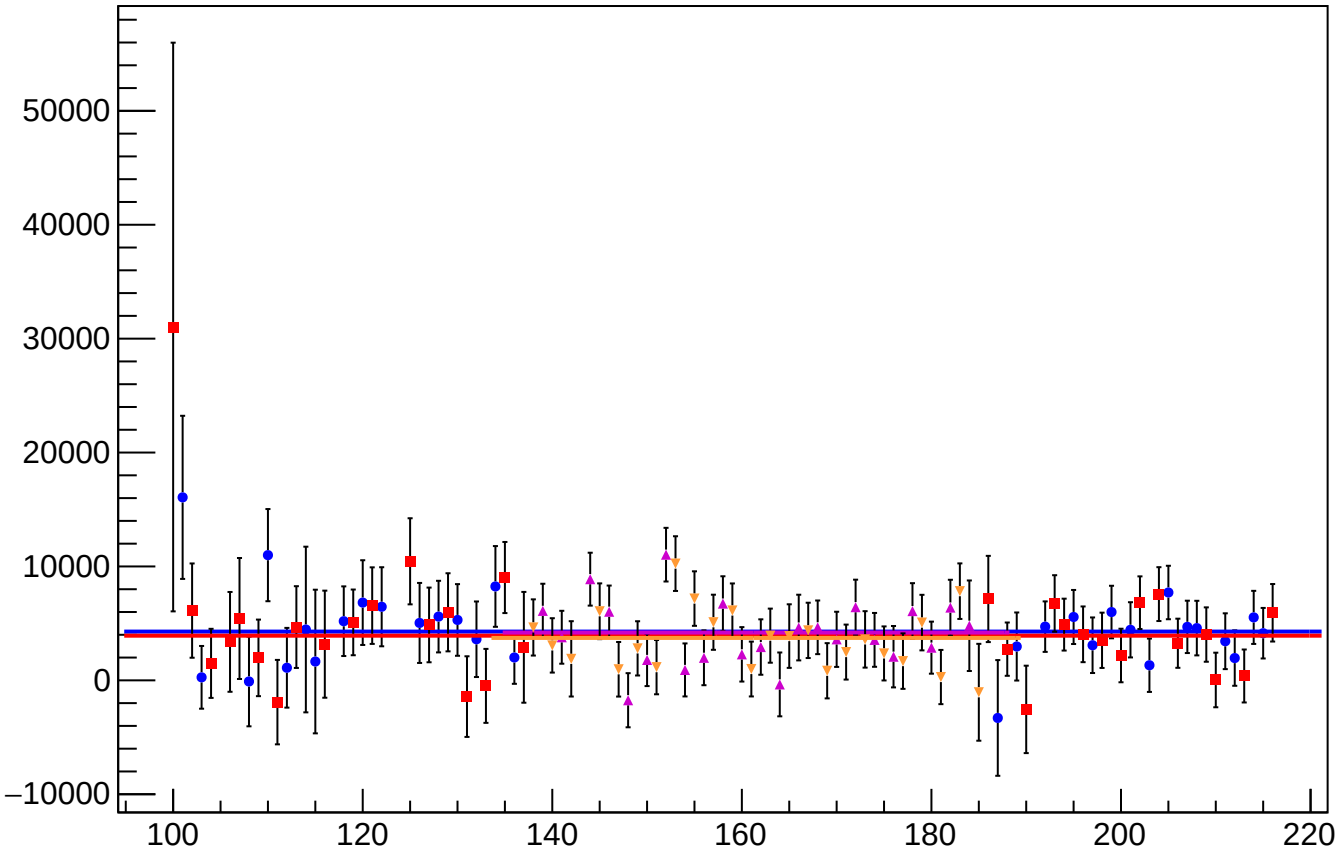
Right: -198.443+/-233.419 χ^2/NDF: 81.0/63

In: 137.012+/-262.119 χ^2/NDF:49.5/53

Out: -613.779+/-275.360 χ^2/NDF:71.9/56

All: -219.898+/-189.855 χ^2/NDF: 125.4/110


asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 1105.292+/-0.225 χ²/NDF: 12616914.3/30
Left Out: 1927.660+/-0.327 χ²/NDF:1798383.1/23
Right Out: 1168.784+/-0.242 χ²/NDF: 13947674.4/32
Left In: 1909.612+/-0.326 χ²/NDF:1942264.8/22
Left: 1918.603+/-0.231 χ²/NDF: 3742177.0/46
Right: 1134.735+/-0.165 χ²/NDF: 26601387.6/63
In: 1365.696+/-0.185 χ²/NDF:18682181.9/53
Out: 1437.918+/-0.195 χ²/NDF:19222734.5/56
All: 1400.029+/-0.134 χ²/NDF: 37977097.1/1



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: 3920.307+/-514.138 χ^2/NDF: 31.7/32

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

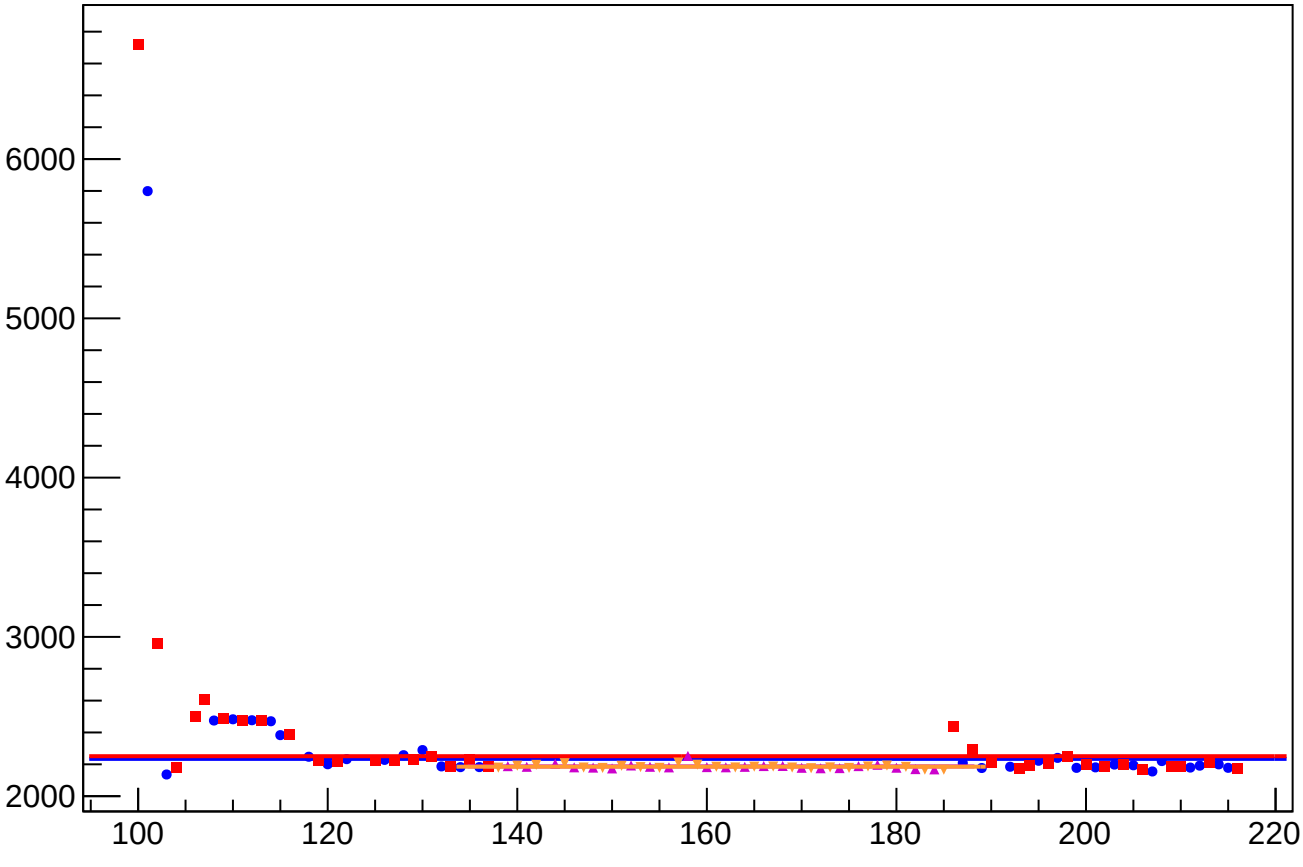
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4101.578+/-362.822 χ^2/NDF: 53.9/63

In: 4238.606+/-361.565 χ^2/NDF:54.1/53

Out: 3820.524+/-361.056 χ^2/NDF:57.2/56

All: 4029.271+/-255.485 χ^2/NDF: 112.0/110



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: 2250.951+/-0.364 χ^2/NDF: 189596.3/32

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

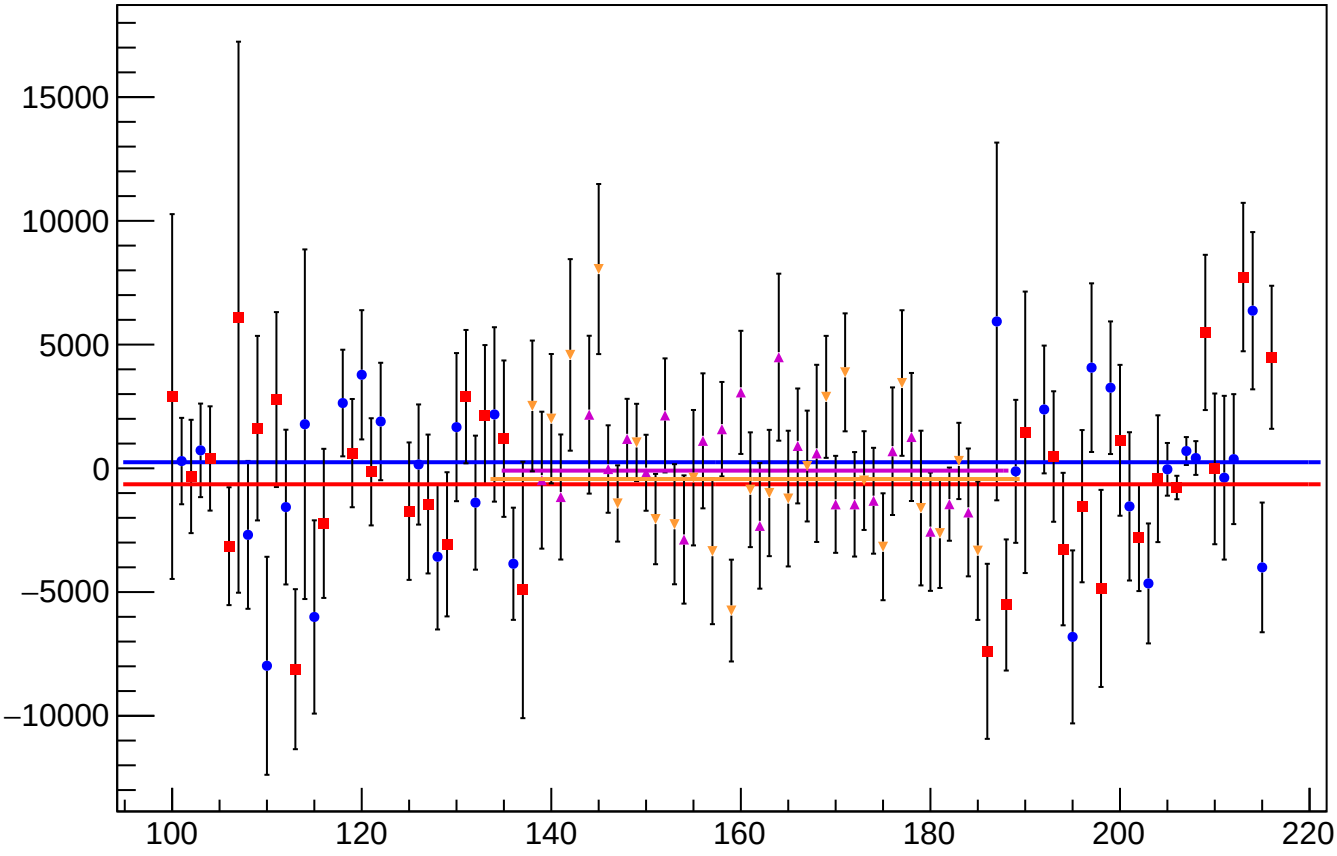
Right: 2242.517+/-0.257 χ^2/NDF: 730274.1/63

In: 2210.377+/-0.256 χ^2/NDF:550263.7/53

Out: 2217.592+/-0.255 χ^2/NDF:207024.0/56

All: 2213.990+/-0.181 χ^2/NDF: 757686.5/110

asym_us_avg_at1lr_avg_avg_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: -644.431+/-349.118 χ^2/NDF: 39.4/32

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

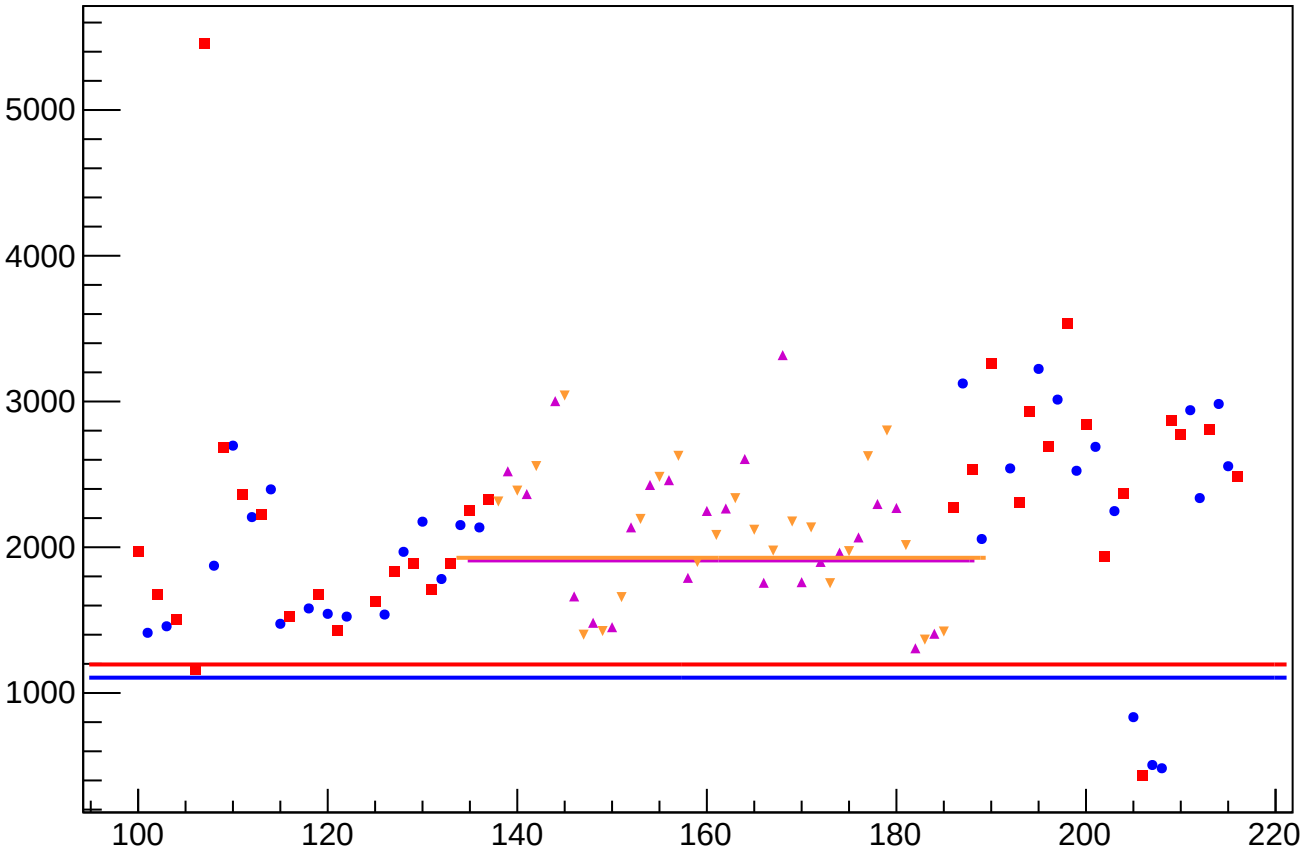
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -158.349+/-235.386 χ^2/NDF: 79.4/63

In: 136.917+/-262.108 χ^2/NDF:49.5/53

Out: -567.415+/-278.619 χ^2/NDF:70.9/56

All: -193.762+/-190.908 χ^2/NDF: 123.8/110



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: 1195.772+/-0.247 χ^2/NDF: 13730279.3/32

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

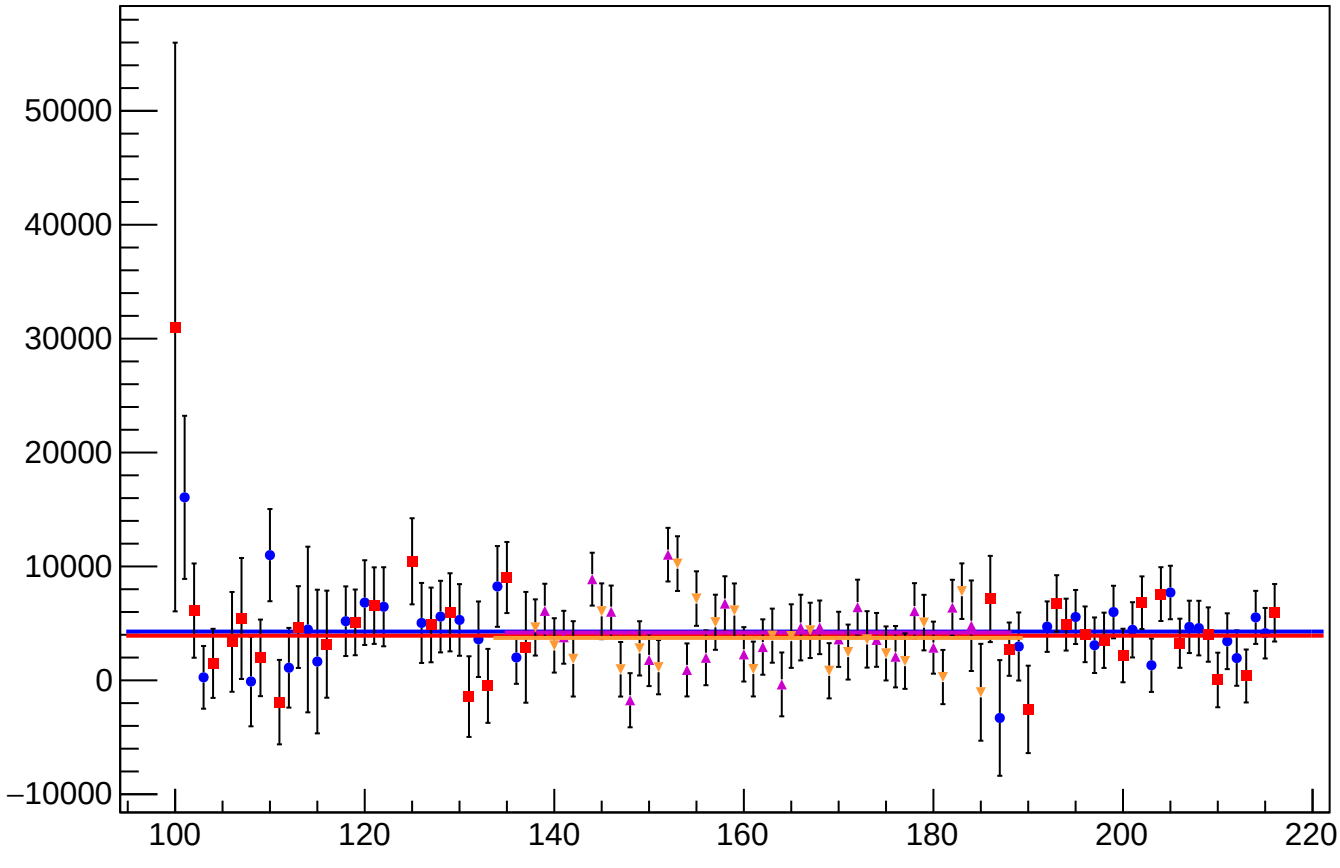
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1146.388+/-0.166 χ^2/NDF: 26420486.3/63

In: 1365.631+/-0.185 χ^2/NDF:18682991.1/53

Out: 1461.515+/-0.197 χ^2/NDF:18720157.9/56

All: 1410.648+/-0.135 χ^2/NDF: 37528807.4/1



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: 3920.307+/-514.138 χ^2/NDF: 31.7/32

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

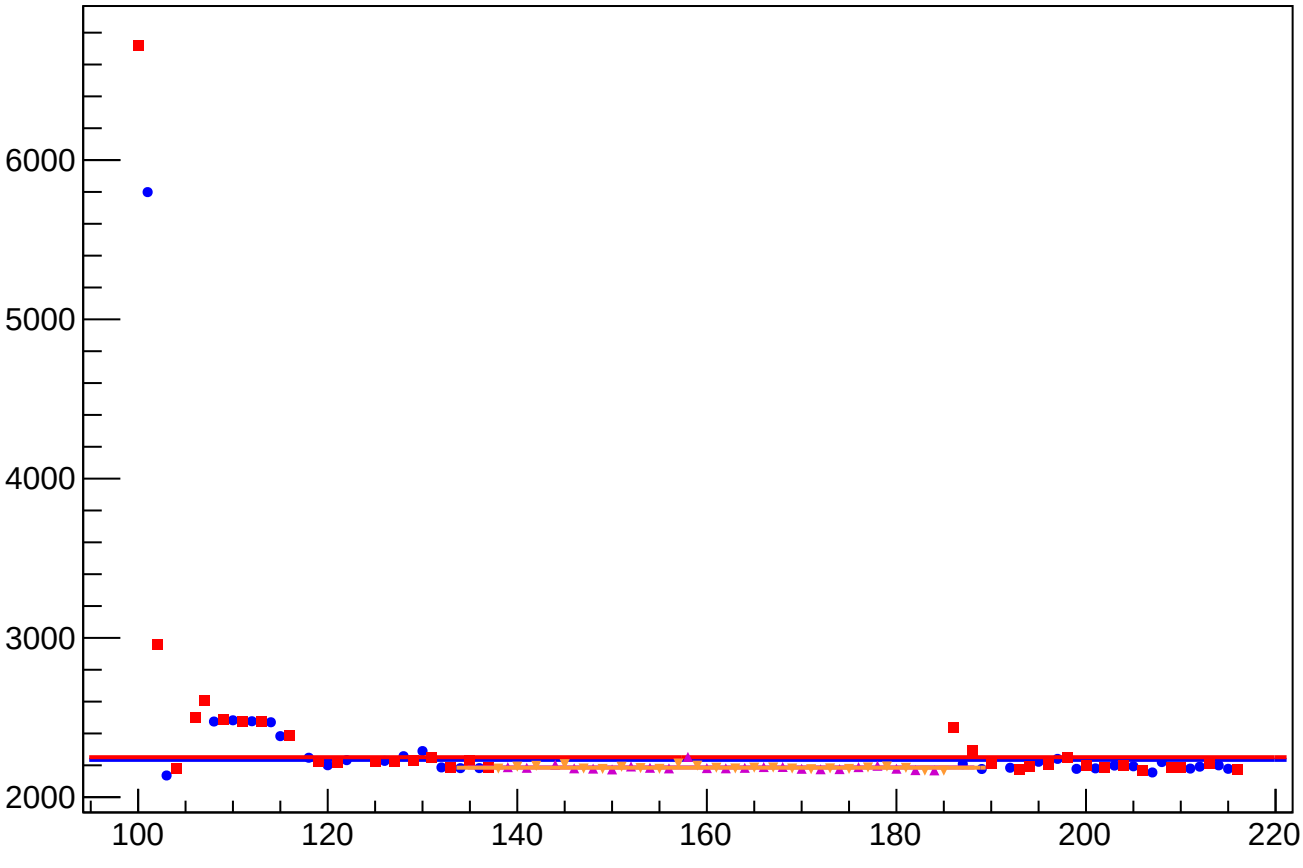
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4101.578+/-362.822 χ^2/NDF: 53.9/63

In: 4238.606+/-361.565 χ^2/NDF:54.1/53

Out: 3820.524+/-361.056 χ^2/NDF:57.2/56

All: 4029.271+/-255.485 χ^2/NDF: 112.0/110



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: 2250.951+/-0.364 χ^2/NDF: 189596.3/32

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

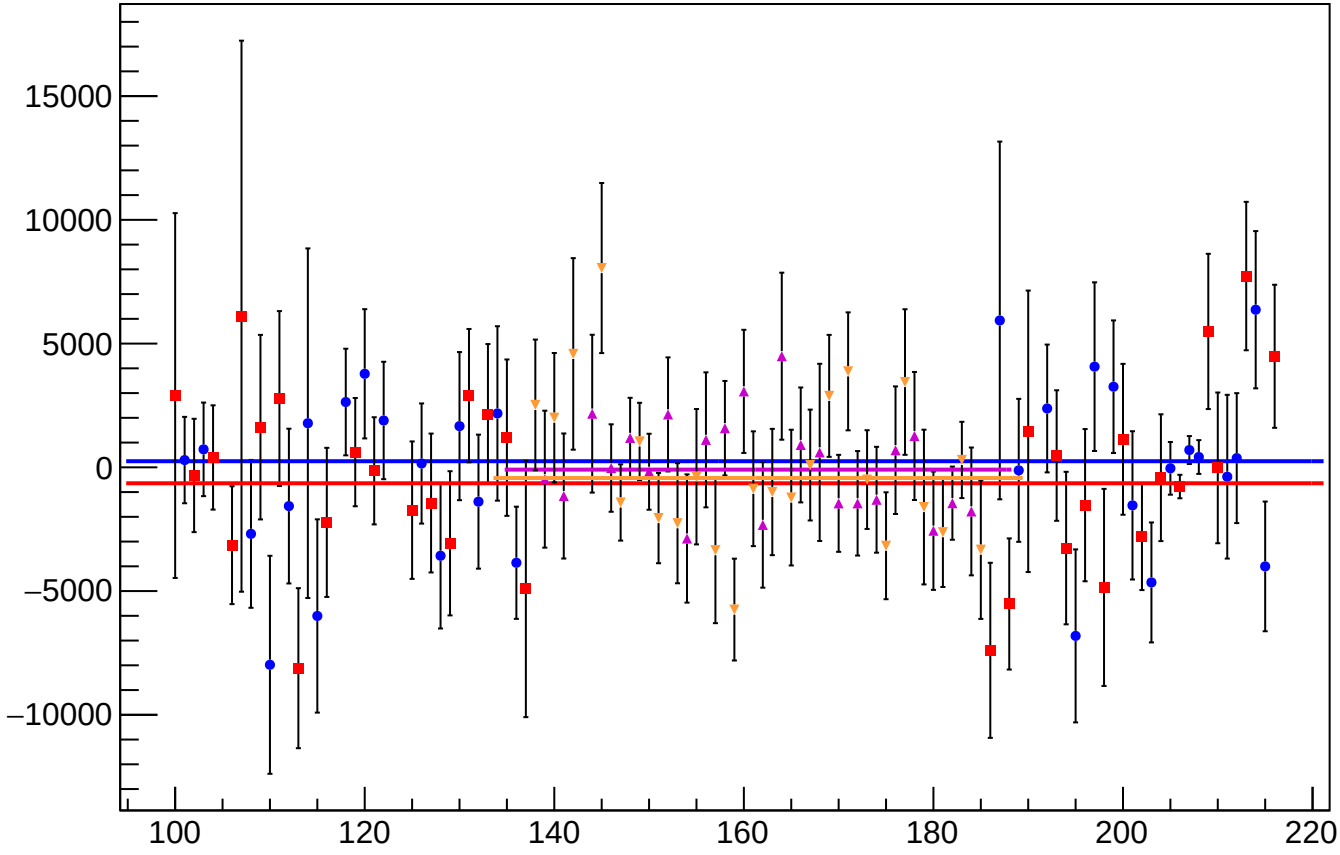
Right: 2242.517+/-0.257 χ^2/NDF: 730274.1/63

In: 2210.377+/-0.256 χ^2/NDF:550263.7/53

Out: 2217.592+/-0.255 χ^2/NDF:207024.0/56

All: 2213.990+/-0.181 χ^2/NDF: 757686.5/110

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: -644.431+/-349.118 χ^2/NDF: 39.4/32

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

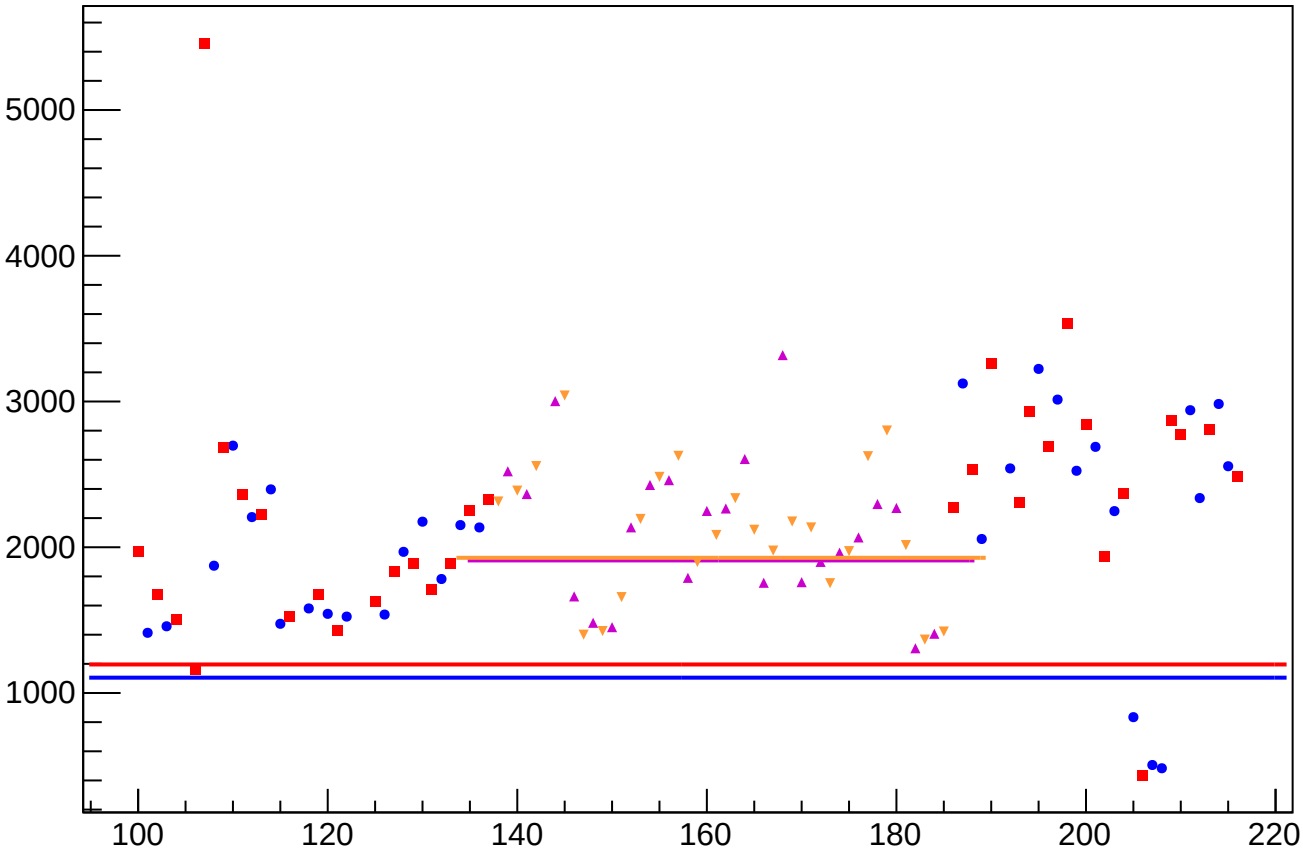
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -158.349+/-235.386 χ^2/NDF: 79.4/63

In: 136.917+/-262.108 χ^2/NDF:49.5/53

Out: -567.415+/-278.619 χ^2/NDF:70.9/56

All: -193.762+/-190.908 χ^2/NDF: 123.8/110



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: 1195.772+/-0.247 χ^2/NDF: 13730279.3/32

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

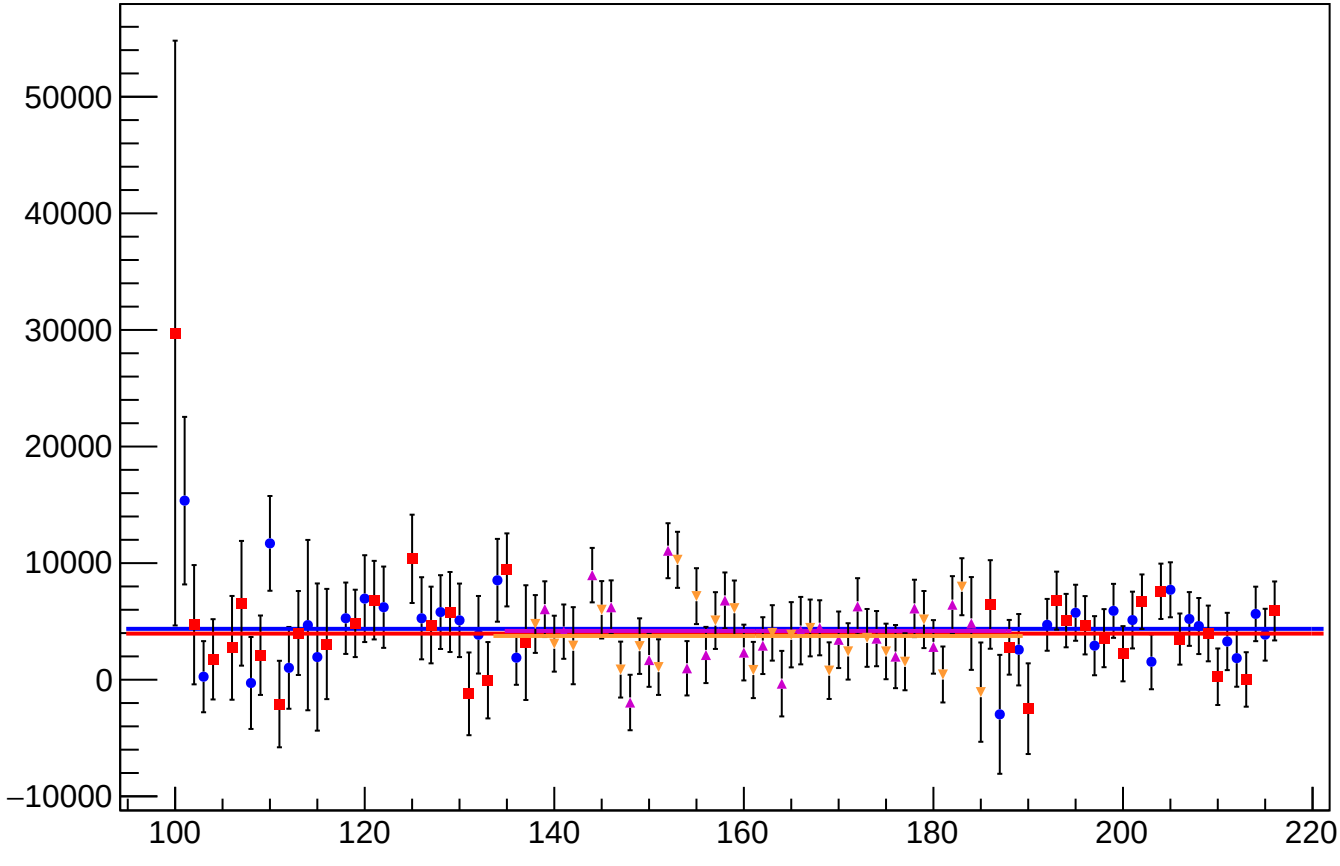
Right: 1146.388+/-0.166 χ^2/NDF: 26420486.3/63

In: 1365.631+/-0.185 χ^2/NDF:18682991.1/53

Out: 1461.515+/-0.197 χ^2/NDF:18720157.9/56

All: 1410.648+/-0.135 χ^2/NDF: 37528807.4/1

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



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: 3955.962+/-521.052 χ^2/NDF: 30.6/32

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

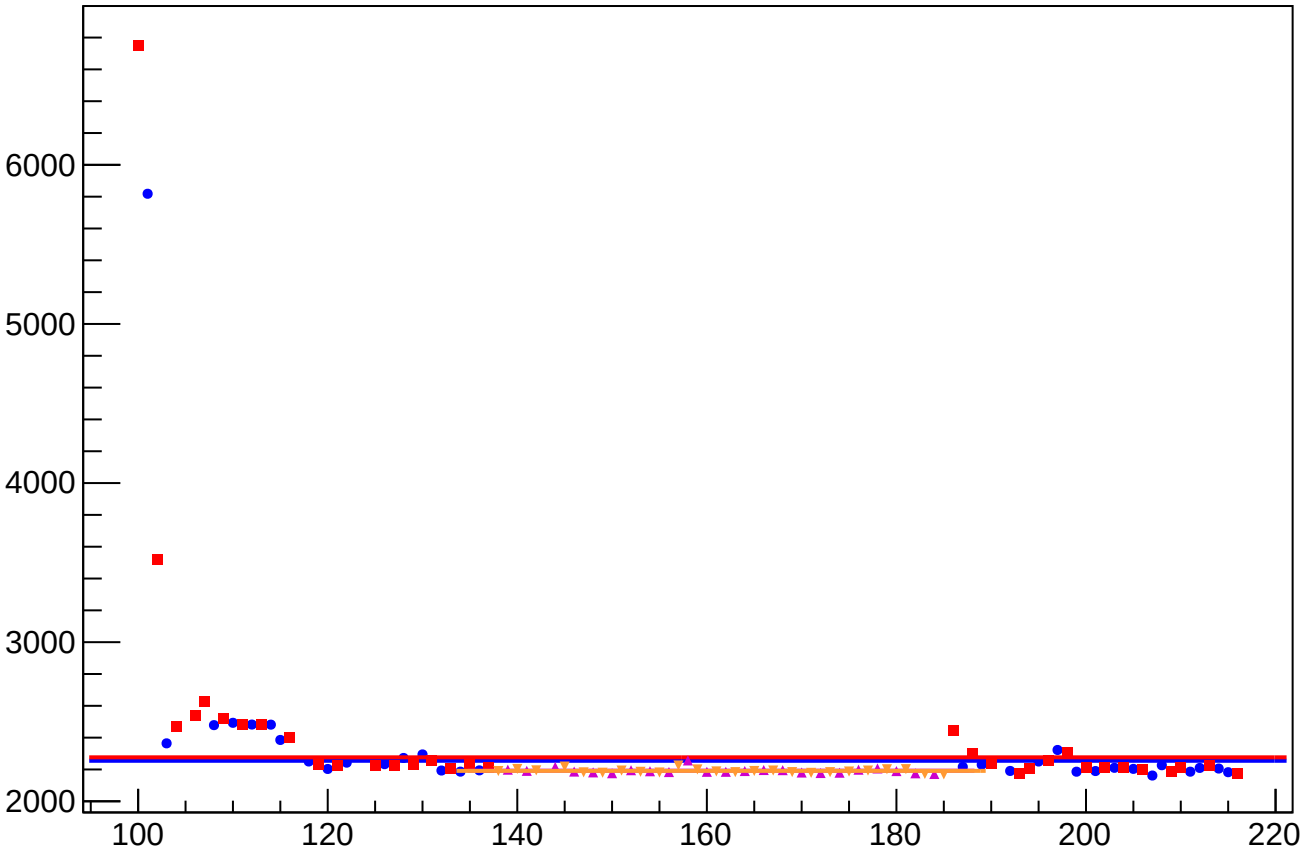
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4161.733+/-366.944 χ^2/NDF: 53.3/63

In: 4273.333+/-363.691 χ^2/NDF:55.1/53

Out: 3852.566+/-363.946 χ^2/NDF:56.3/56

All: 4063.096+/-257.259 χ^2/NDF: 112.1/110



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: 2276.249+/-0.368 χ^2/NDF: 257187.8/32

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

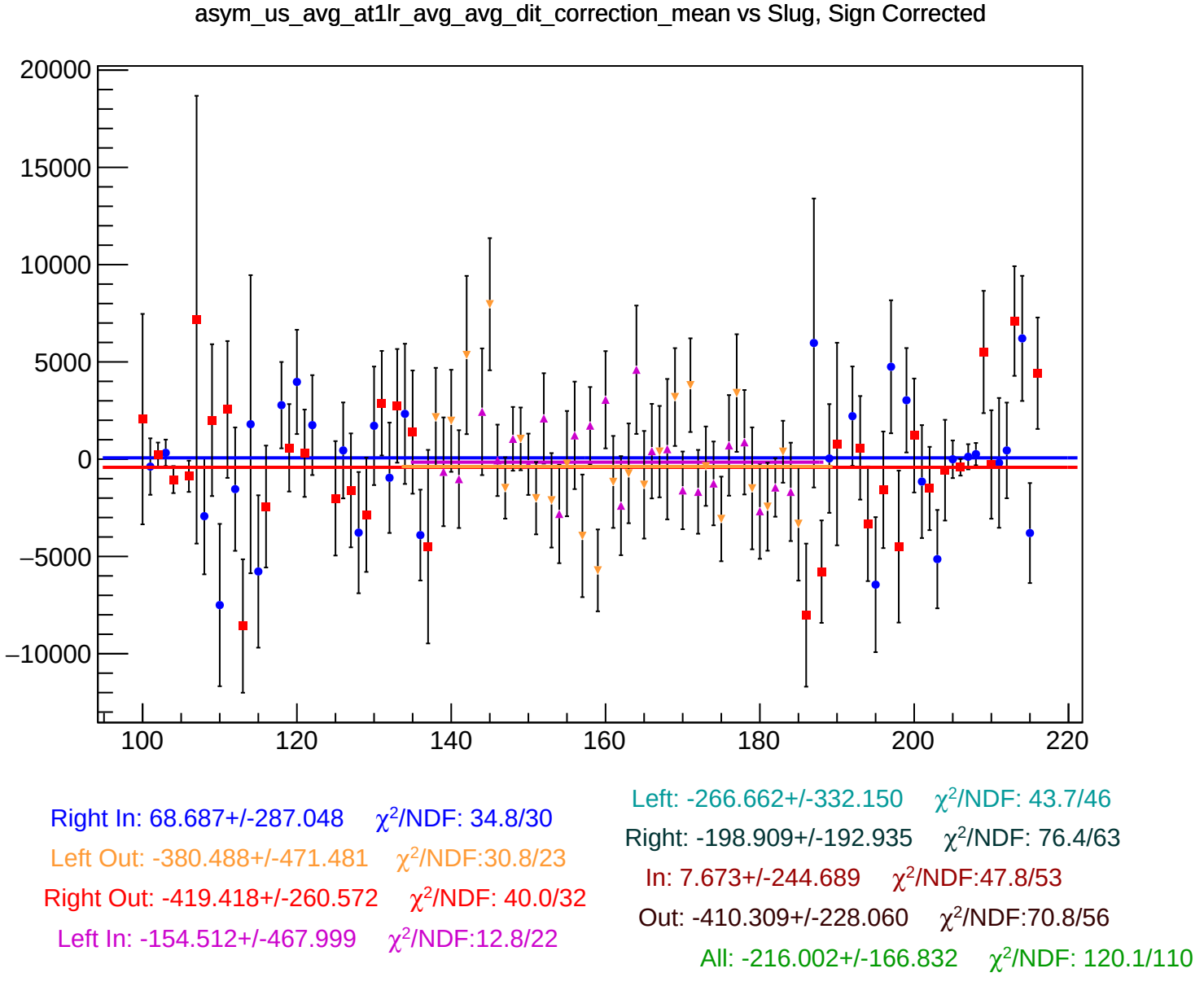
Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

Right: 2265.306+/-0.259 χ^2/NDF: 798510.0/63

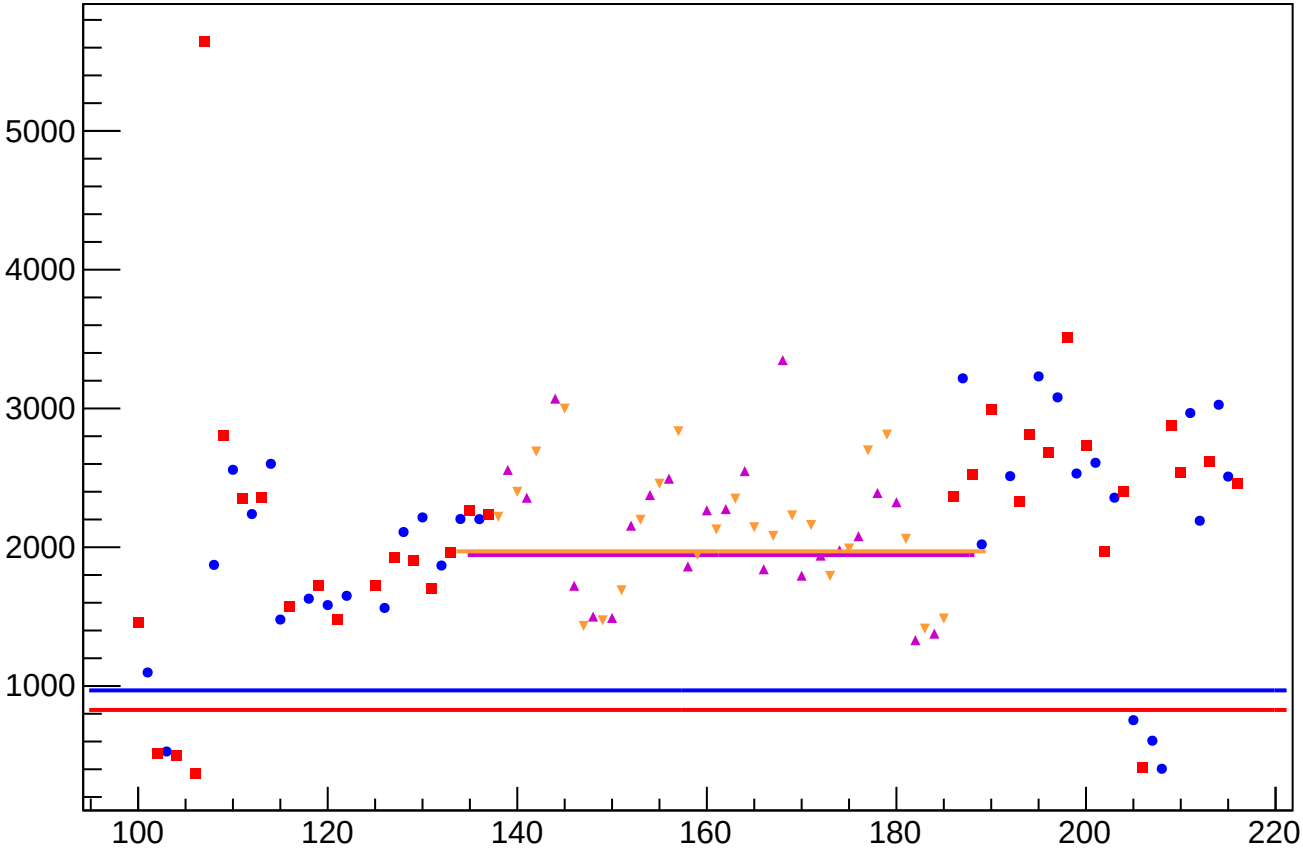
In: 2223.068+/-0.257 χ^2/NDF:556542.3/53

Out: 2232.666+/-0.257 χ^2/NDF:285739.5/56

All: 2227.864+/-0.182 χ^2/NDF: 842977.8/110


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 68.687+/-287.048 χ²/NDF: 34.8/30
Left Out: -380.488+/-471.481 χ²/NDF:30.8/23
Right Out: -419.418+/-260.572 χ²/NDF: 40.0/32
Left In: -154.512+/-467.999 χ²/NDF:12.8/22
Left: -266.662+/-332.150 χ²/NDF: 43.7/46
Right: -198.909+/-192.935 χ²/NDF: 76.4/63
In: 7.673+/-244.689 χ²/NDF:47.8/53
Out: -410.309+/-228.060 χ²/NDF:70.8/56
All: -216.002+/-166.832 χ²/NDF: 120.1/110

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: 827.614+/-0.184 χ^2/NDF: 17557459.2/32

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

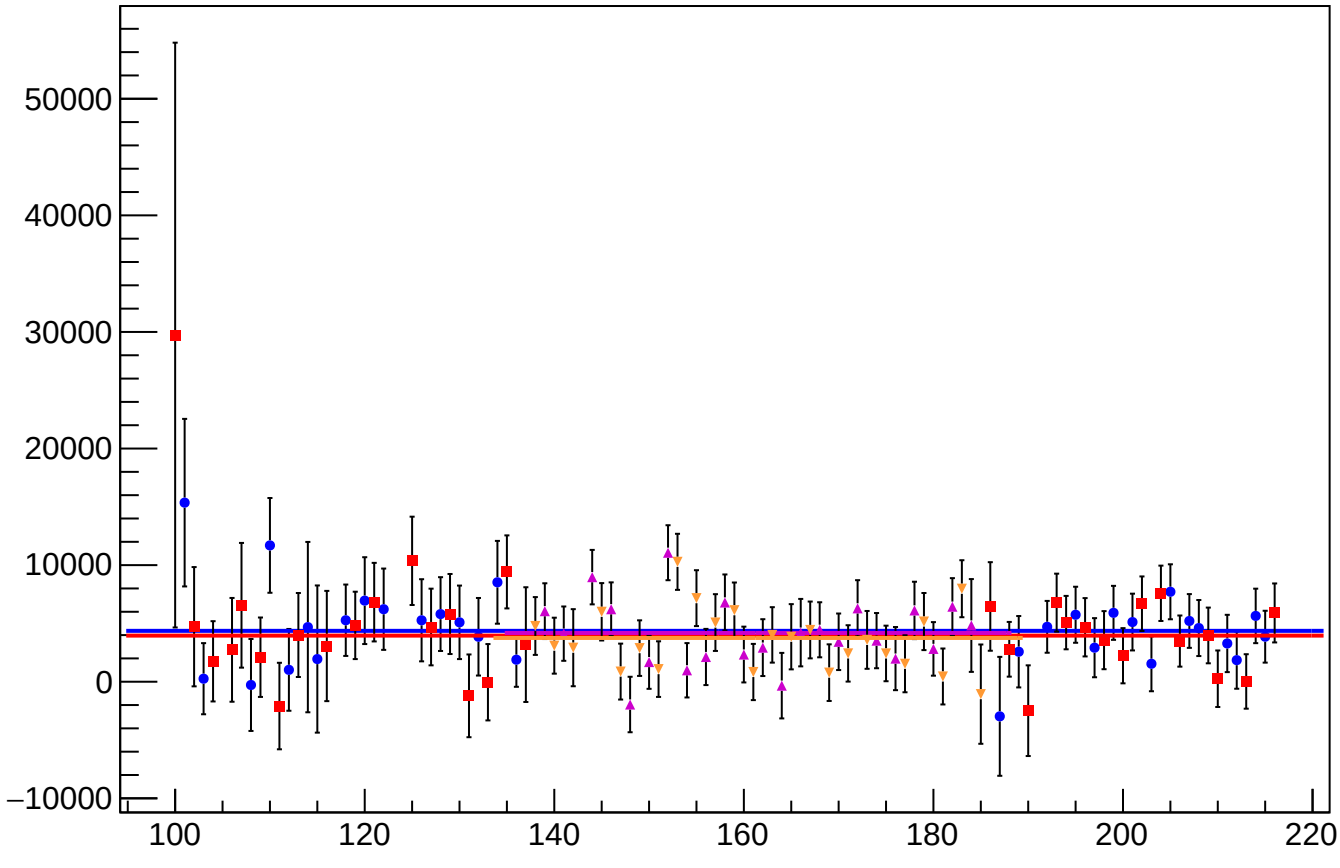
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 891.223+/-0.136 χ^2/NDF: 31884506.3/63

In: 1235.000+/-0.173 χ^2/NDF:22256570.0/53

Out: 1095.057+/-0.161 χ^2/NDF:28258810.2/56

All: 1160.112+/-0.118 χ^2/NDF: 50865459.7/1



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: 3955.961+/-521.052 χ^2/NDF: 30.6/32

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

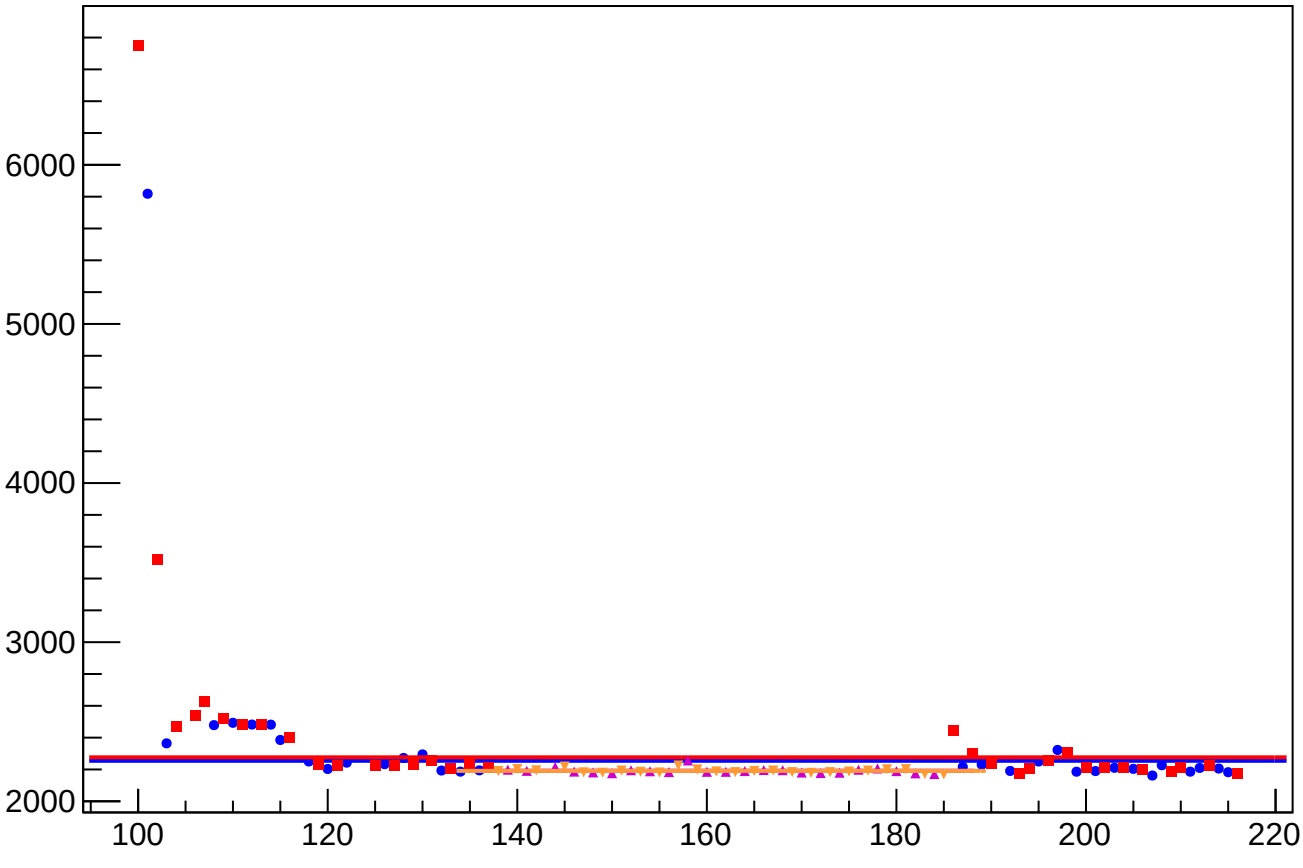
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4161.732+/-366.944 χ^2/NDF: 53.3/63

In: 4273.333+/-363.691 χ^2/NDF:55.1/53

Out: 3852.565+/-363.946 χ^2/NDF:56.3/56

All: 4063.096+/-257.259 χ^2/NDF: 112.1/110



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: 2276.249+/-0.368 χ^2/NDF: 257186.5/32

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

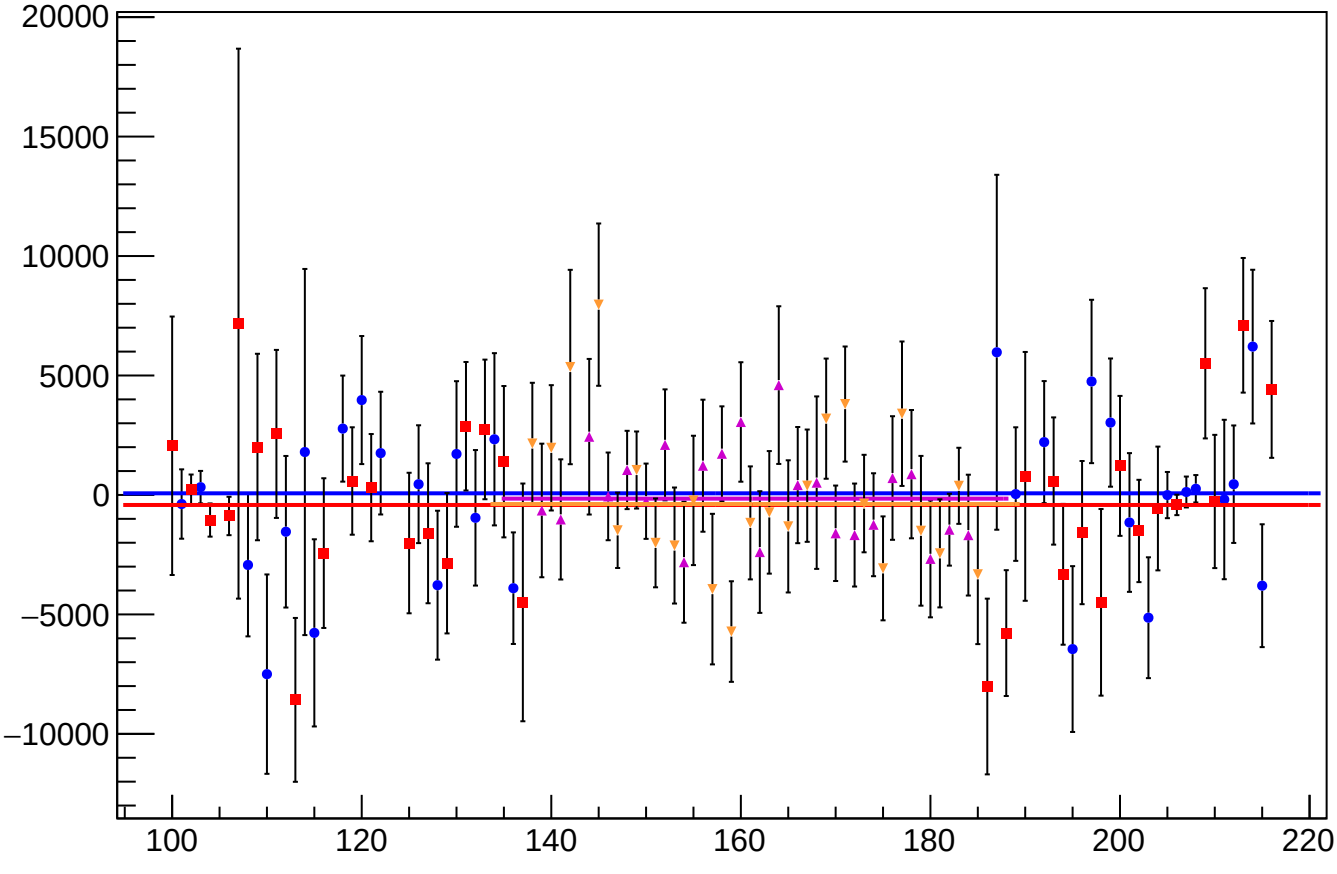
Right: 2265.306+/-0.259 χ^2/NDF: 798508.5/63

In: 2223.068+/-0.257 χ^2/NDF:556542.0/53

Out: 2232.666+/-0.257 χ^2/NDF:285738.1/56

All: 2227.864+/-0.182 χ^2/NDF: 842976.1/110

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: -419.414+/-260.573 χ^2/NDF: 40.0/32

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

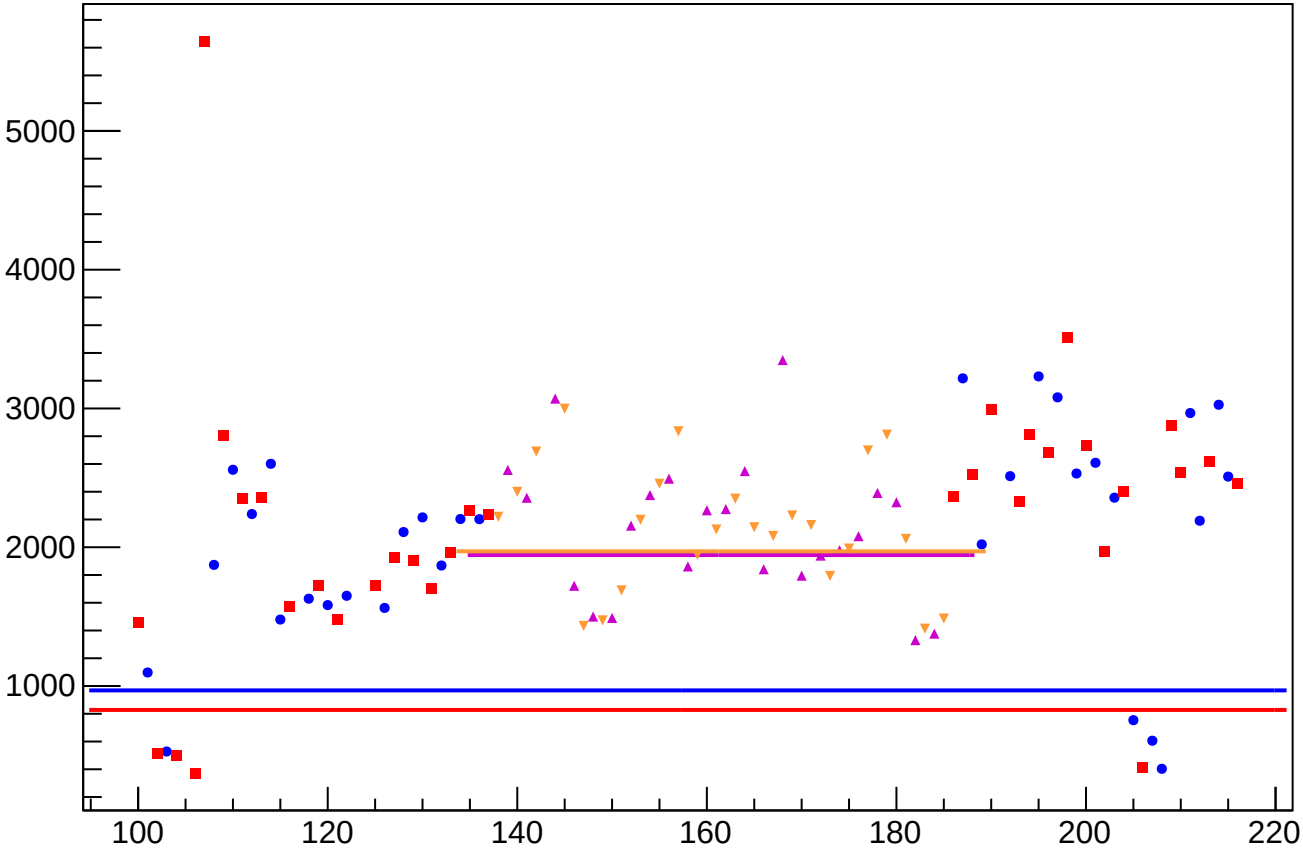
Right: -198.908+/-192.935 χ^2/NDF: 76.4/63

In: 7.671+/-244.689 χ^2/NDF:47.8/53

Out: -410.307+/-228.061 χ^2/NDF:70.8/56

All: -216.002+/-166.832 χ^2/NDF: 120.1/110

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 968.415+/-0.203 χ^2/NDF: 14063253.8/30

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 827.619+/-0.184 χ^2/NDF: 17557380.7/32

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

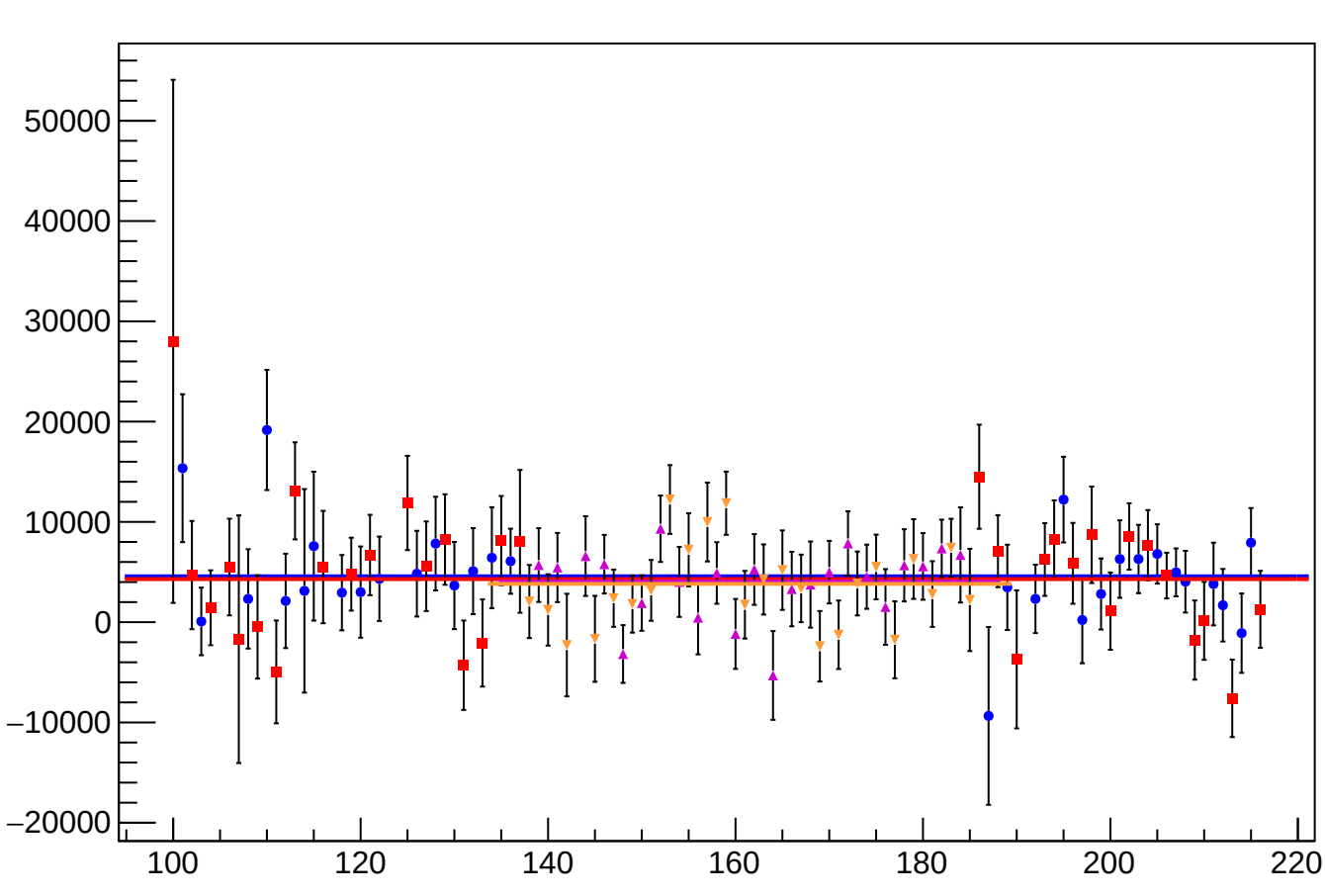
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 891.226+/-0.136 χ^2/NDF: 31884428.6/63

In: 1235.001+/-0.173 χ^2/NDF:22256618.6/53

Out: 1095.063+/-0.161 χ^2/NDF:28258668.4/56

All: 1160.116+/-0.118 χ^2/NDF: 50865339.2/1



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: 4295.491+/-736.281 χ^2/NDF: 45.0/32

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

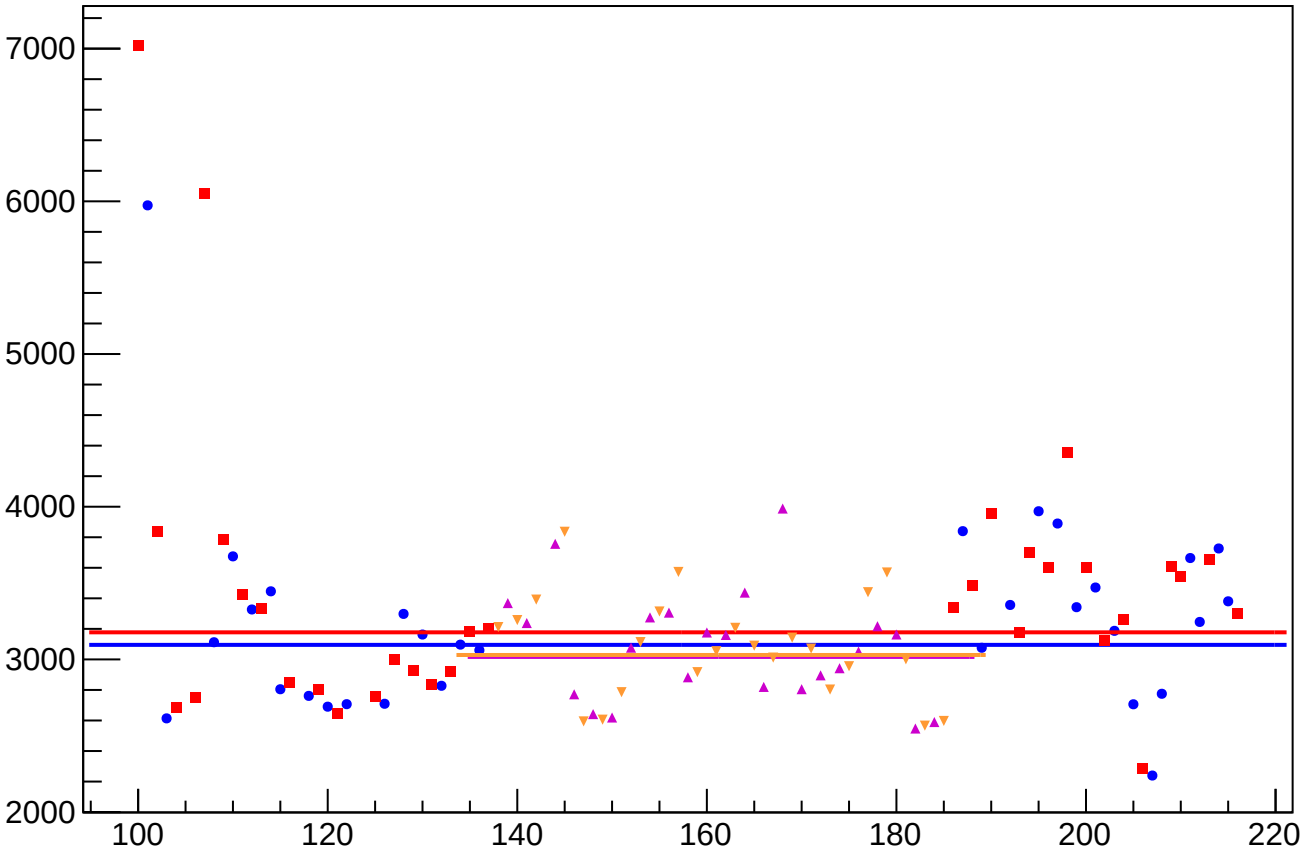
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4436.936+/-514.050 χ^2/NDF: 69.0/63

In: 4303.808+/-504.702 χ^2/NDF:46.7/53

Out: 4047.419+/-510.454 χ^2/NDF:76.1/56

All: 4177.066+/-358.894 χ^2/NDF: 122.9/110



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: 3177.339+/-0.521 χ^2/NDF: 999728.4/32

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

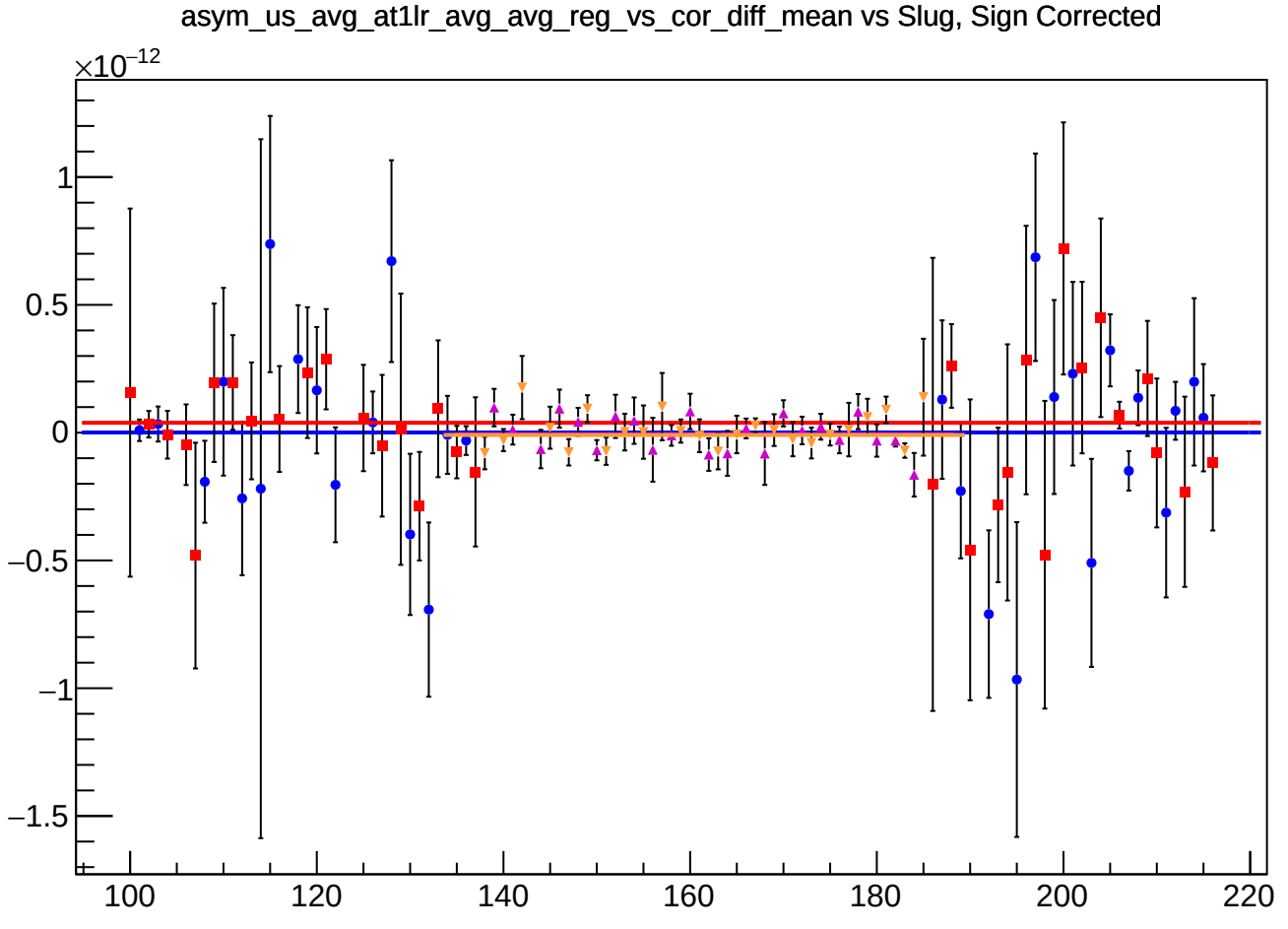
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3135.254+/-0.363 χ^2/NDF: 2090953.0/63

In: 3055.274+/-0.357 χ^2/NDF:1530616.4/53

Out: 3100.290+/-0.361 χ^2/NDF:1439010.8/56

All: 3077.527+/-0.254 χ^2/NDF: 2977492.3/11



Right In: 0.000+/-0.000 χ^2/NDF: 42.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/32

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

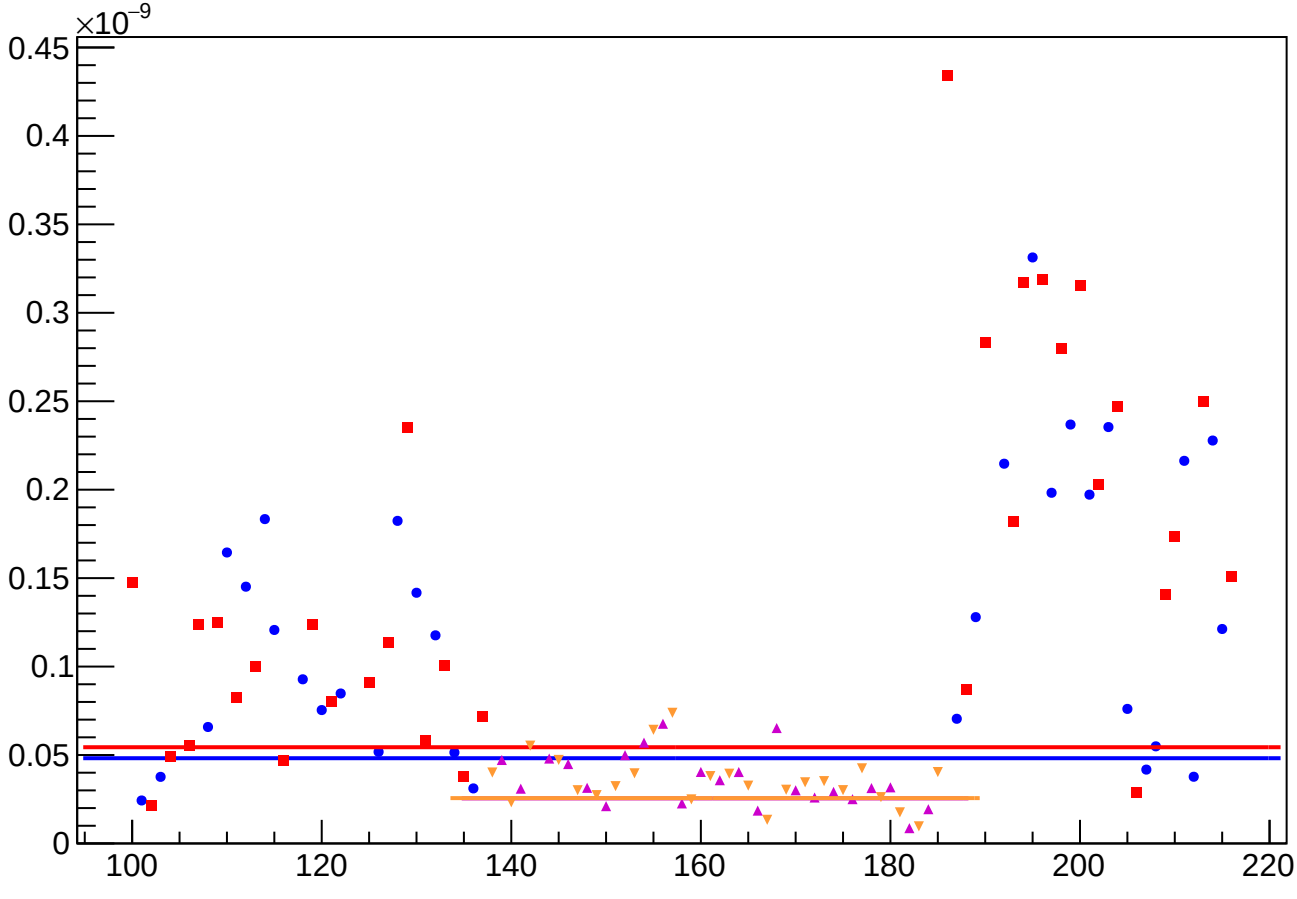
Right: 0.000+/-0.000 χ^2/NDF: 63.4/63

In: -0.000+/-0.000 χ^2/NDF:66.0/53

Out: -0.000+/-0.000 χ^2/NDF:46.4/56

All: -0.000+/-0.000 χ^2/NDF: 112.5/110

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: 7618212.4/32

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

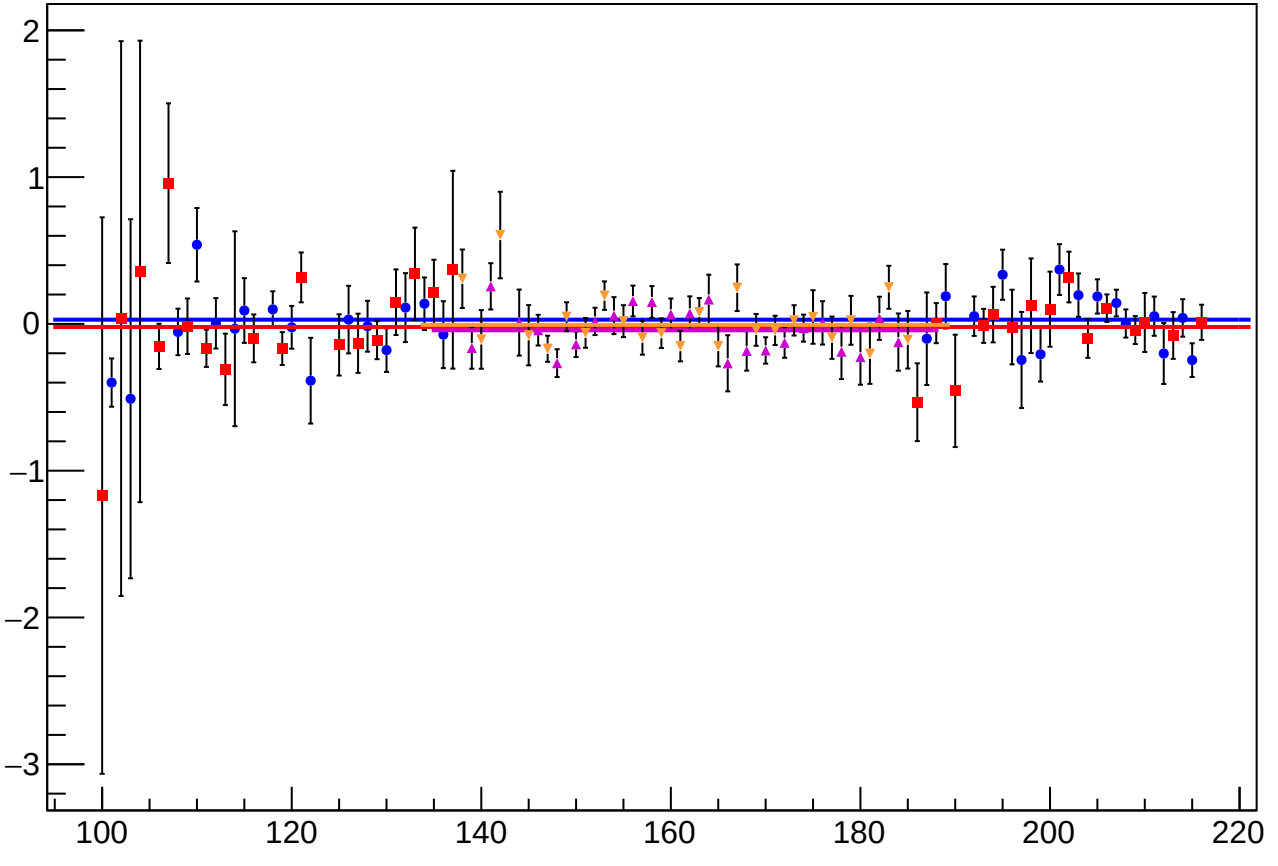
Right: 0.000+/-0.000 χ^2/NDF: 13847787.3/63

In: 0.000+/-0.000 χ^2/NDF:10520625.6/53

Out: 0.000+/-0.000 χ^2/NDF:11954110.0/56

All: 0.000+/-0.000 χ^2/NDF: 22474743.5/110

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: -0.021+/-0.030 χ^2/NDF: 29.6/32

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

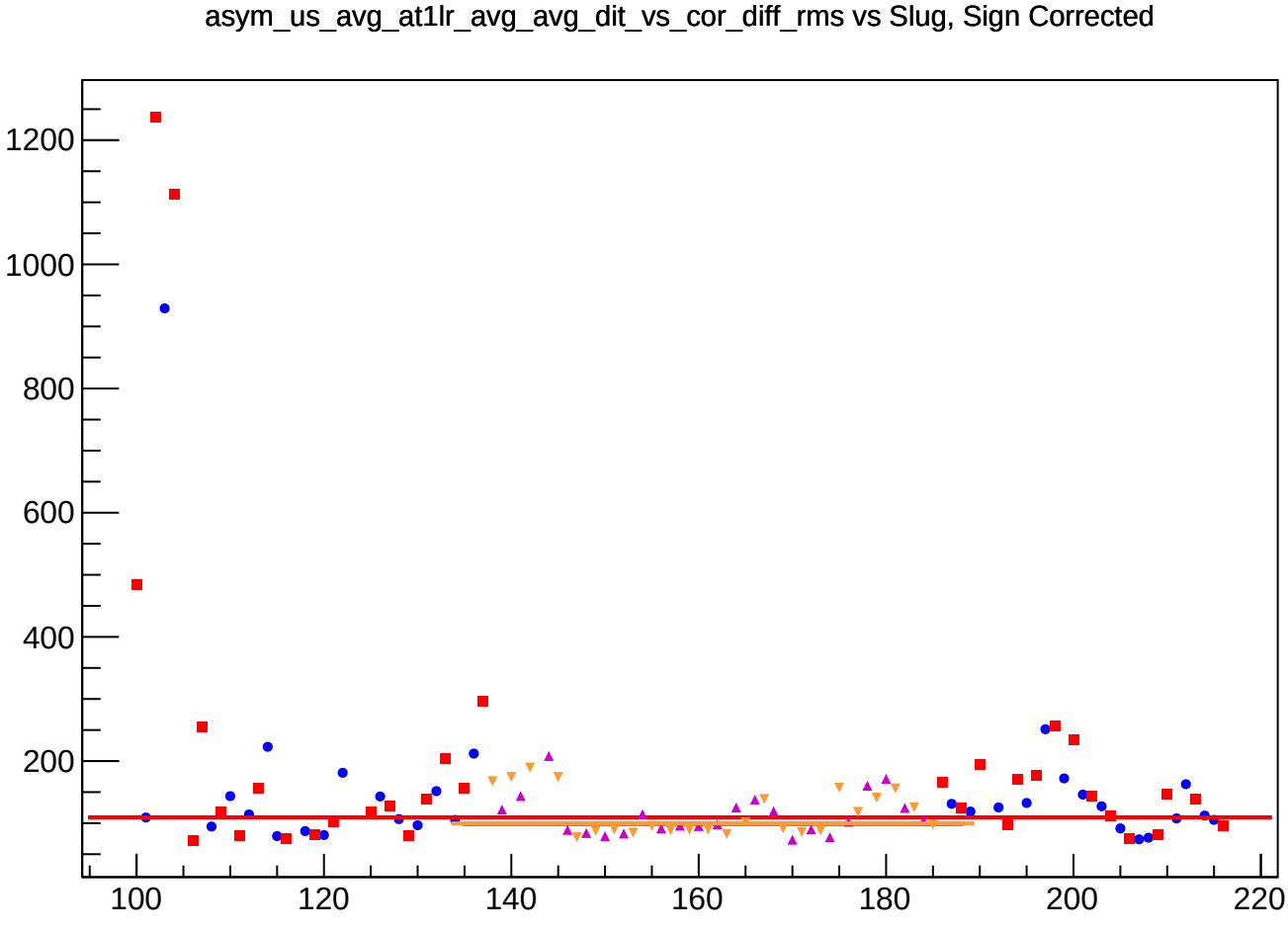
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.005+/-0.021 χ^2/NDF: 69.6/63

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.013+/-0.019 χ^2/NDF:57.4/56

All: -0.013+/-0.014 χ^2/NDF: 129.9/110



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: 109.150+/-0.021 χ^2/NDF: 5019172.9/32

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

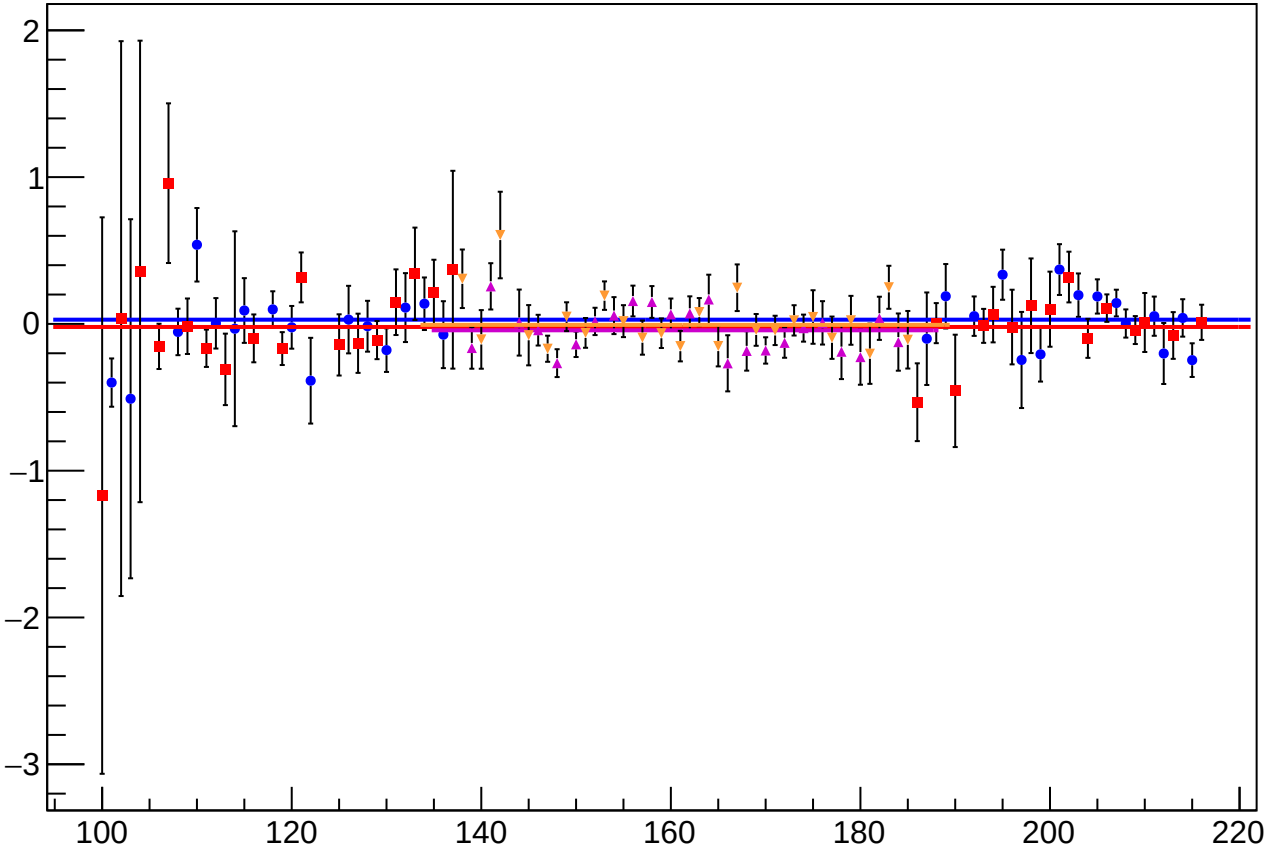
Right: 109.273+/-0.015 χ^2/NDF: 8382599.2/63

In: 103.273+/-0.013 χ^2/NDF:5523920.2/53

Out: 103.607+/-0.014 χ^2/NDF:7209975.0/56

All: 103.437+/-0.010 χ^2/NDF: 12734200.8/1

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: -0.021+/-0.030 χ^2/NDF: 29.6/32

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

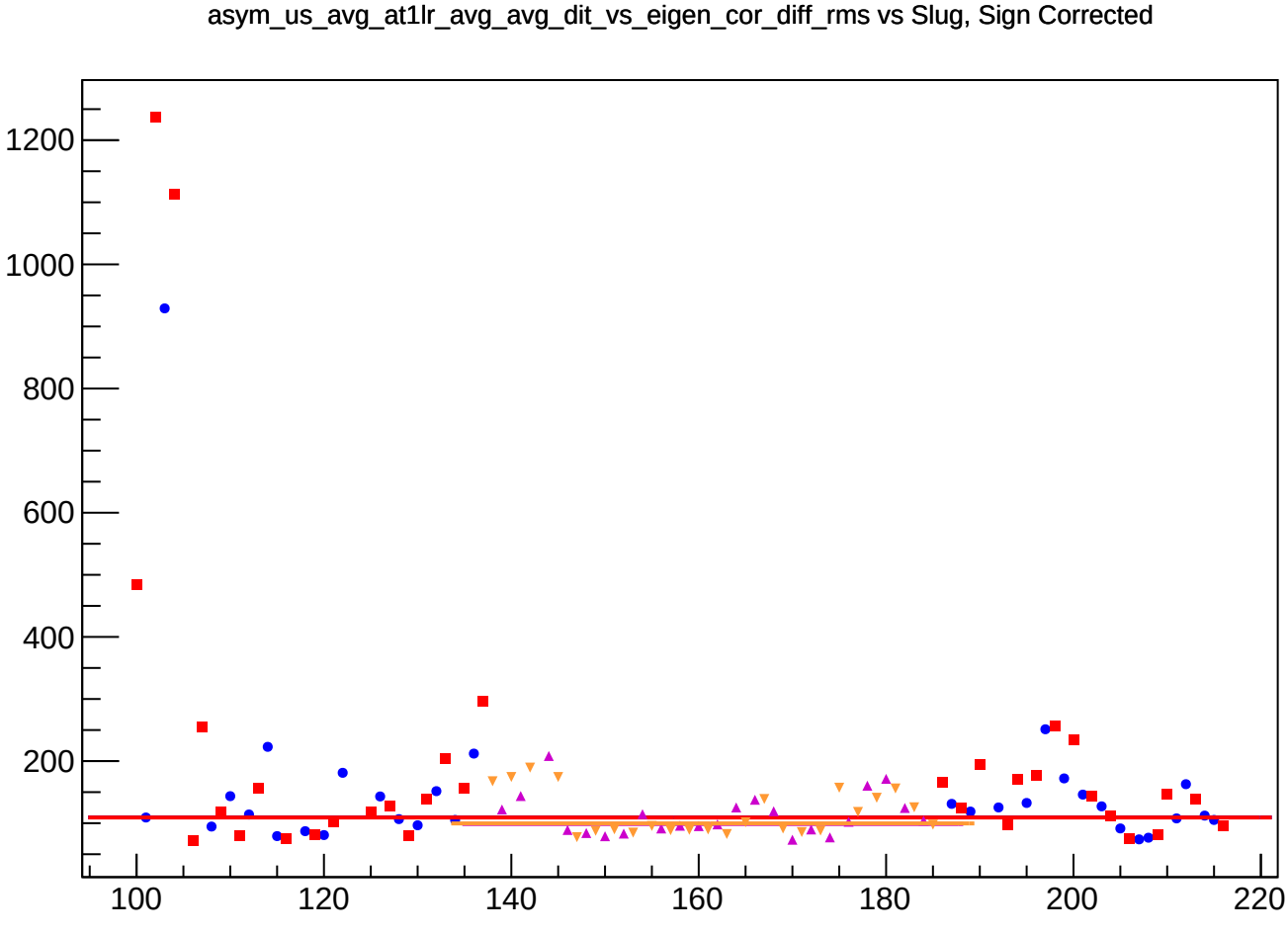
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.005+/-0.021 χ^2/NDF: 69.6/63

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.013+/-0.019 χ^2/NDF:57.4/56

All: -0.013+/-0.014 χ^2/NDF: 129.9/110



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: 109.150+/-0.021 χ^2/NDF: 5019172.9/32

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

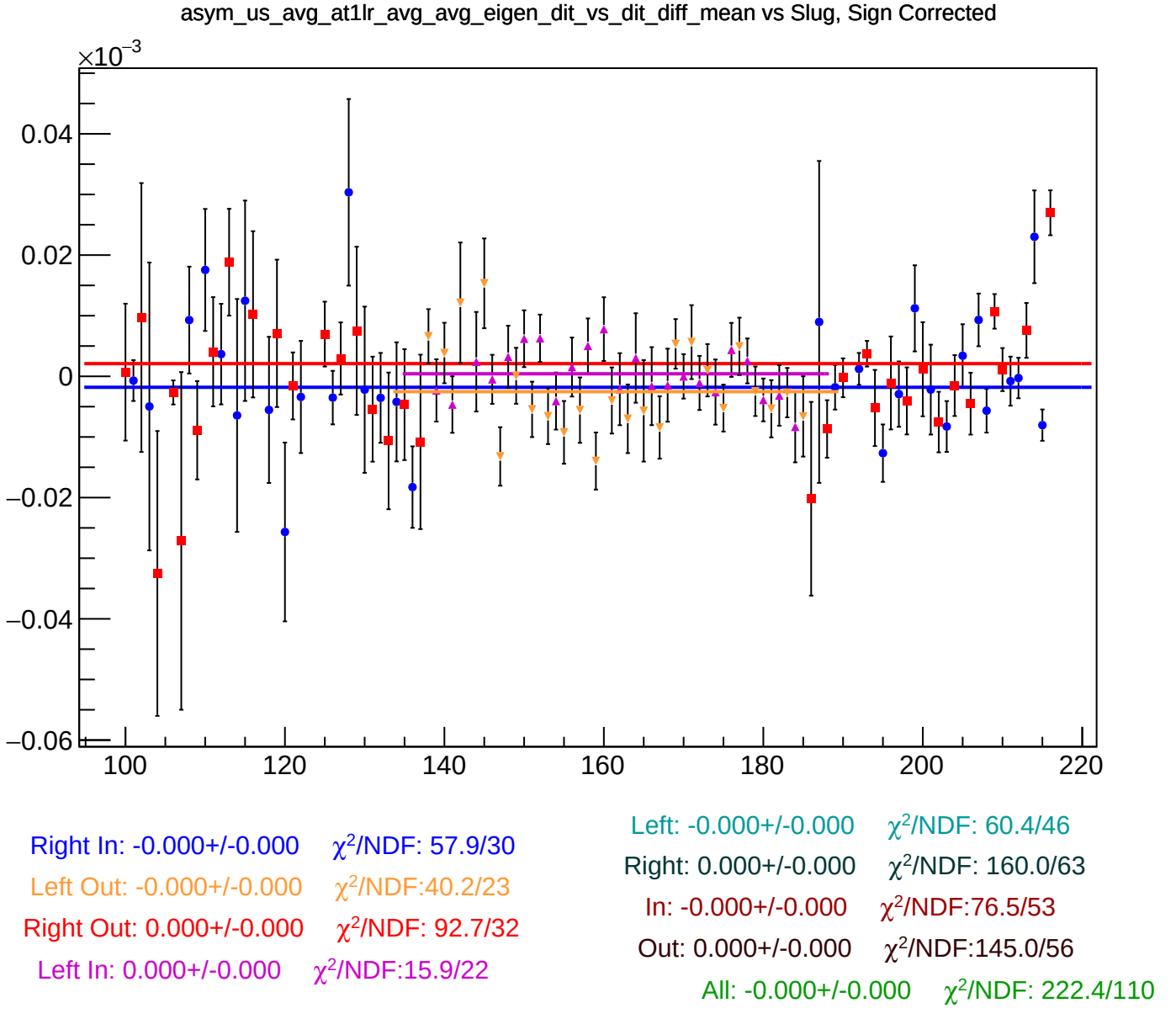
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

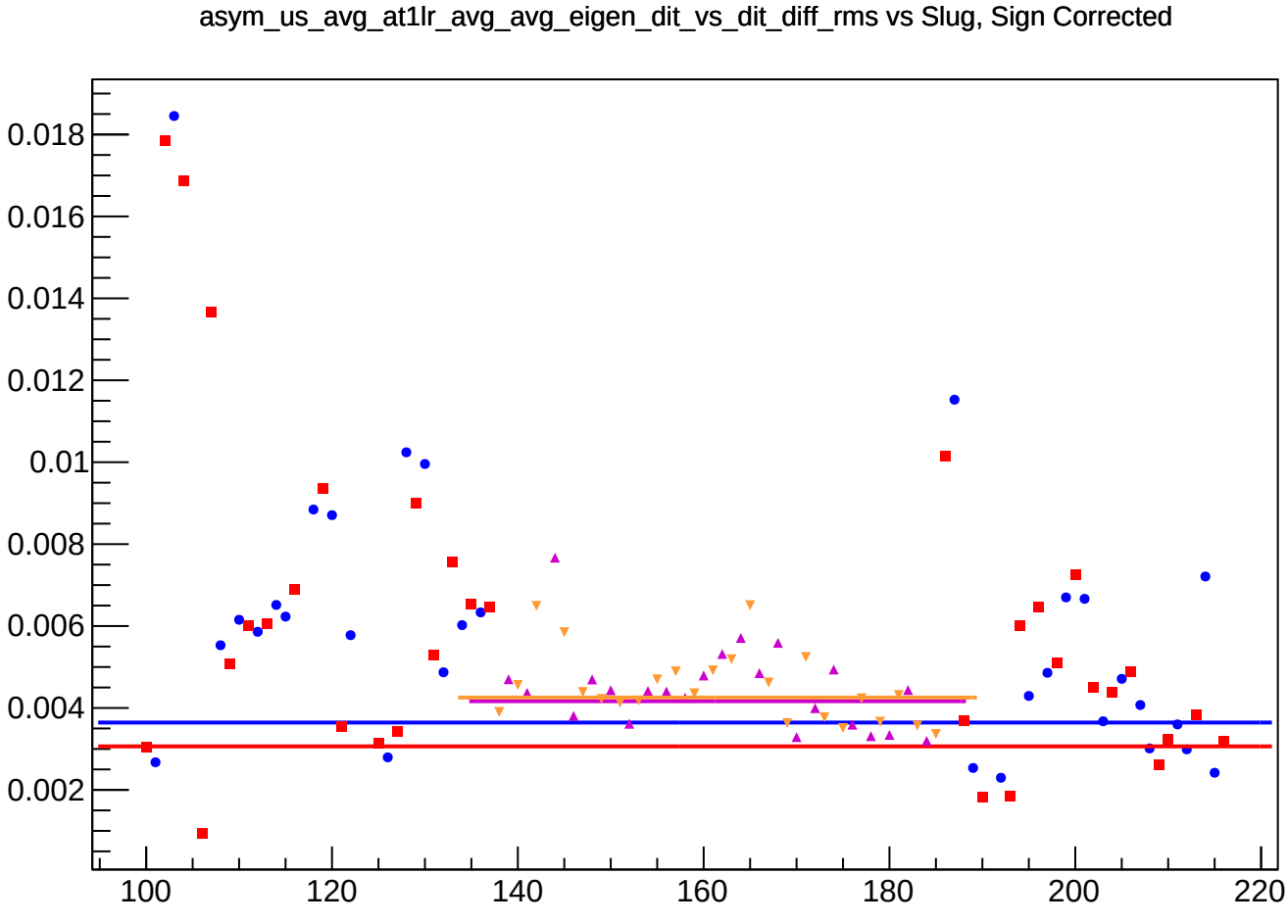
Right: 109.273+/-0.015 χ^2/NDF: 8382599.2/63

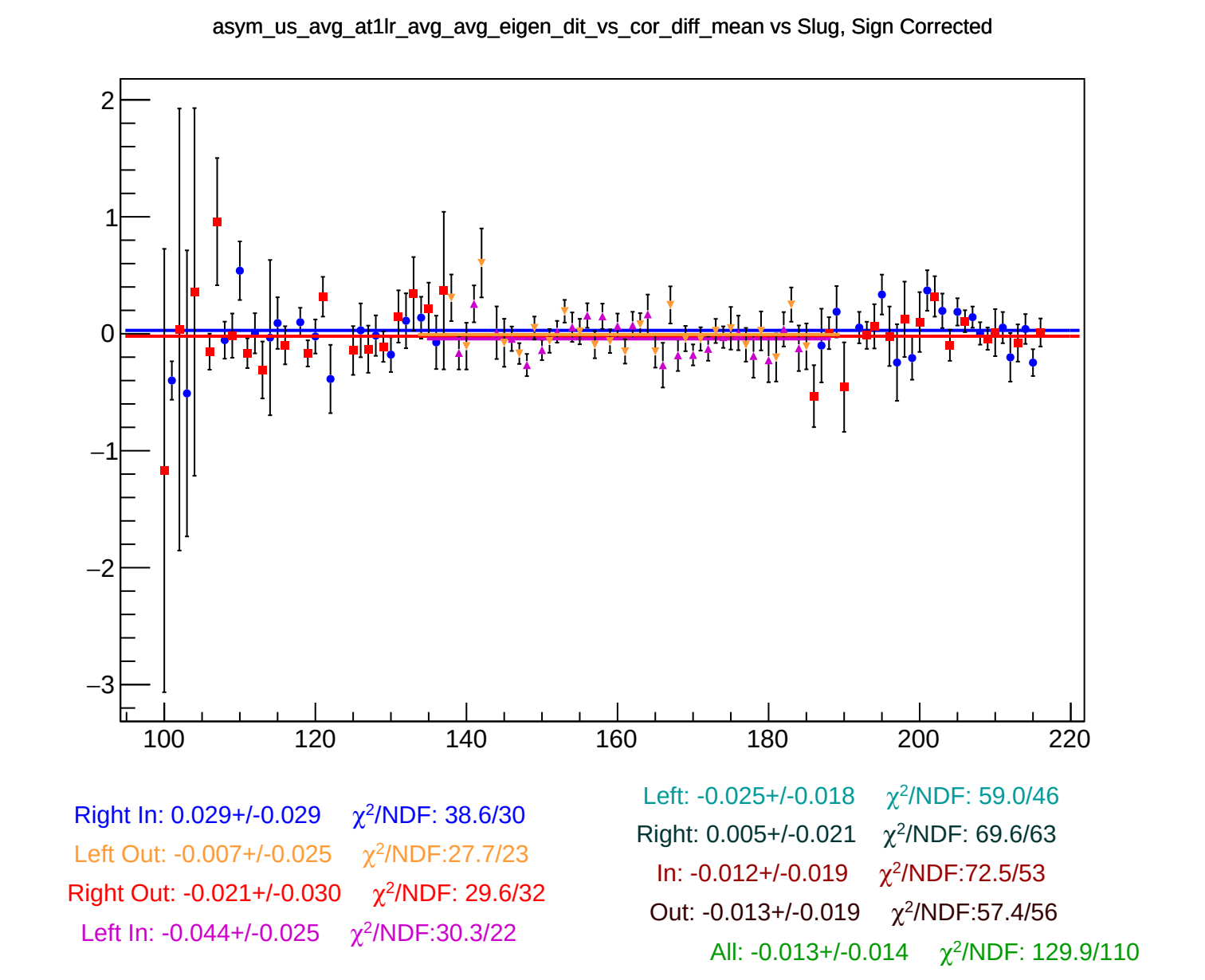
In: 103.273+/-0.013 χ^2/NDF:5523920.2/53

Out: 103.607+/-0.014 χ^2/NDF:7209975.0/56

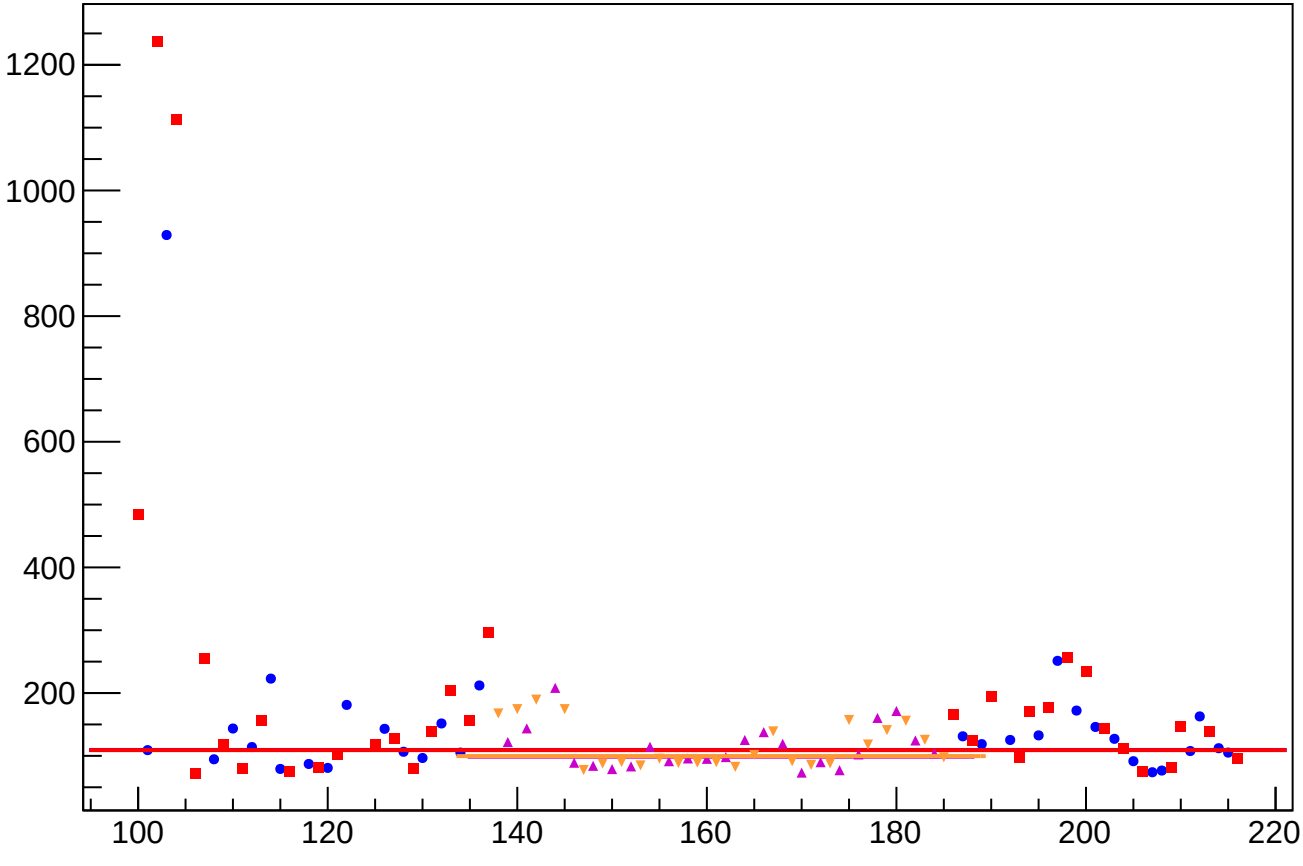
All: 103.437+/-0.010 χ^2/NDF: 12734200.8/1


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 57.9/30
Left Out: -0.000+/-0.000 χ²/NDF:40.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 92.7/32
Left In: 0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.4/46
Right: 0.000+/-0.000 χ²/NDF: 160.0/63
In: -0.000+/-0.000 χ²/NDF:76.5/53
Out: 0.000+/-0.000 χ²/NDF:145.0/56
All: -0.000+/-0.000 χ²/NDF: 222.4/110


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 6317632.1/30
Left Out: 0.004+/-0.000 χ²/NDF:833222.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 10406615.5/32
Left In: 0.004+/-0.000 χ²/NDF:1277434.2/22
Left: 0.004+/-0.000 χ²/NDF: 2118625.9/46
Right: 0.003+/-0.000 χ²/NDF: 17145283.9/63
In: 0.004+/-0.000 χ²/NDF:7886790.1/53
Out: 0.004+/-0.000 χ²/NDF:12856145.3/56
All: 0.004+/-0.000 χ²/NDF: 20983958.1/110


asym_us_avg_at1lr_avg_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: 0.029+/-0.029 χ²/NDF: 38.6/30
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: -0.021+/-0.030 χ²/NDF: 29.6/32
Left In: -0.044+/-0.025 χ²/NDF:30.3/22
Left: -0.025+/-0.018 χ²/NDF: 59.0/46
Right: 0.005+/-0.021 χ²/NDF: 69.6/63
In: -0.012+/-0.019 χ²/NDF:72.5/53
Out: -0.013+/-0.019 χ²/NDF:57.4/56
All: -0.013+/-0.014 χ²/NDF: 129.9/110

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_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: 109.149+/-0.021 χ^2/NDF: 5019142.6/32

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

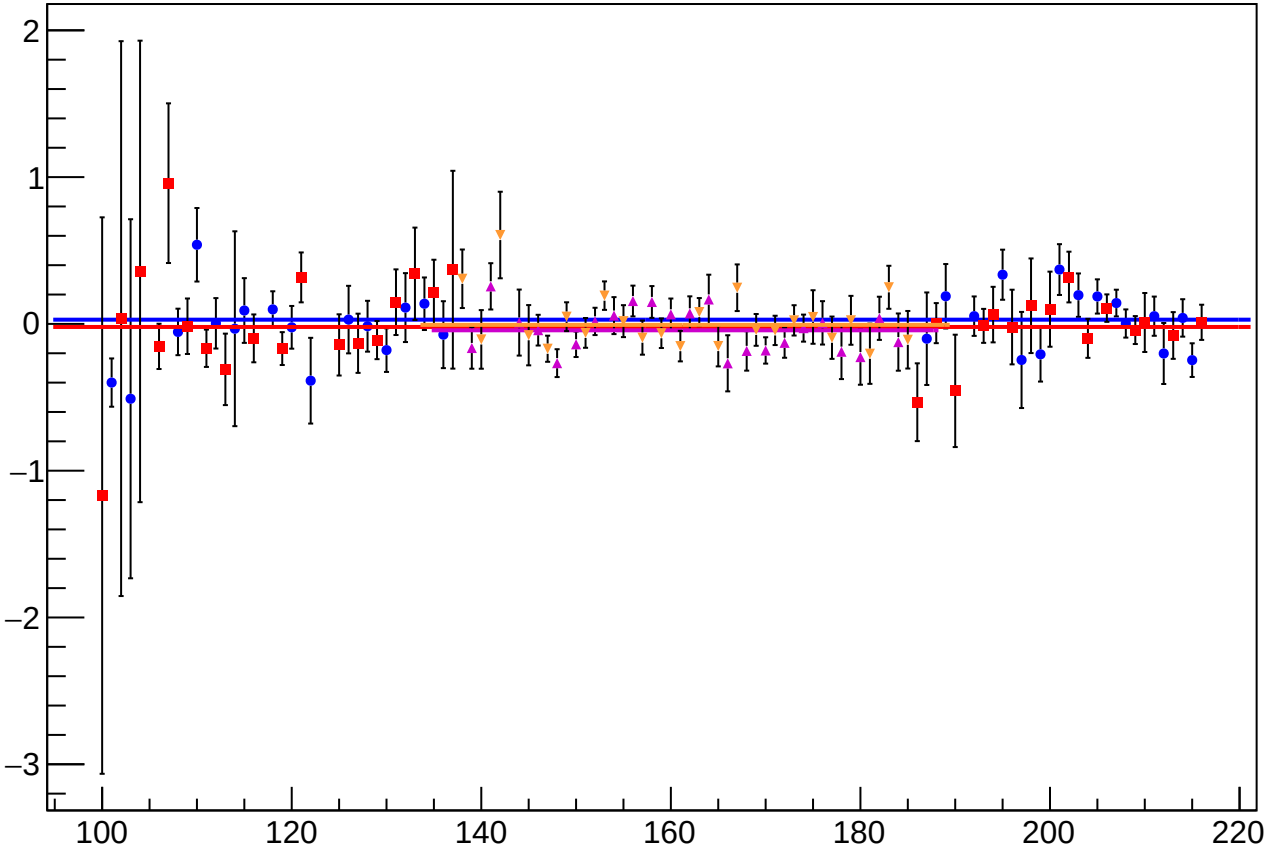
Right: 109.273+/-0.015 χ^2/NDF: 8382494.1/63

In: 103.274+/-0.013 χ^2/NDF:5523800.5/53

Out: 103.608+/-0.014 χ^2/NDF:7209887.8/56

All: 103.438+/-0.010 χ^2/NDF: 12733994.1/11

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: -0.021+/-0.030 χ^2/NDF: 29.6/32

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

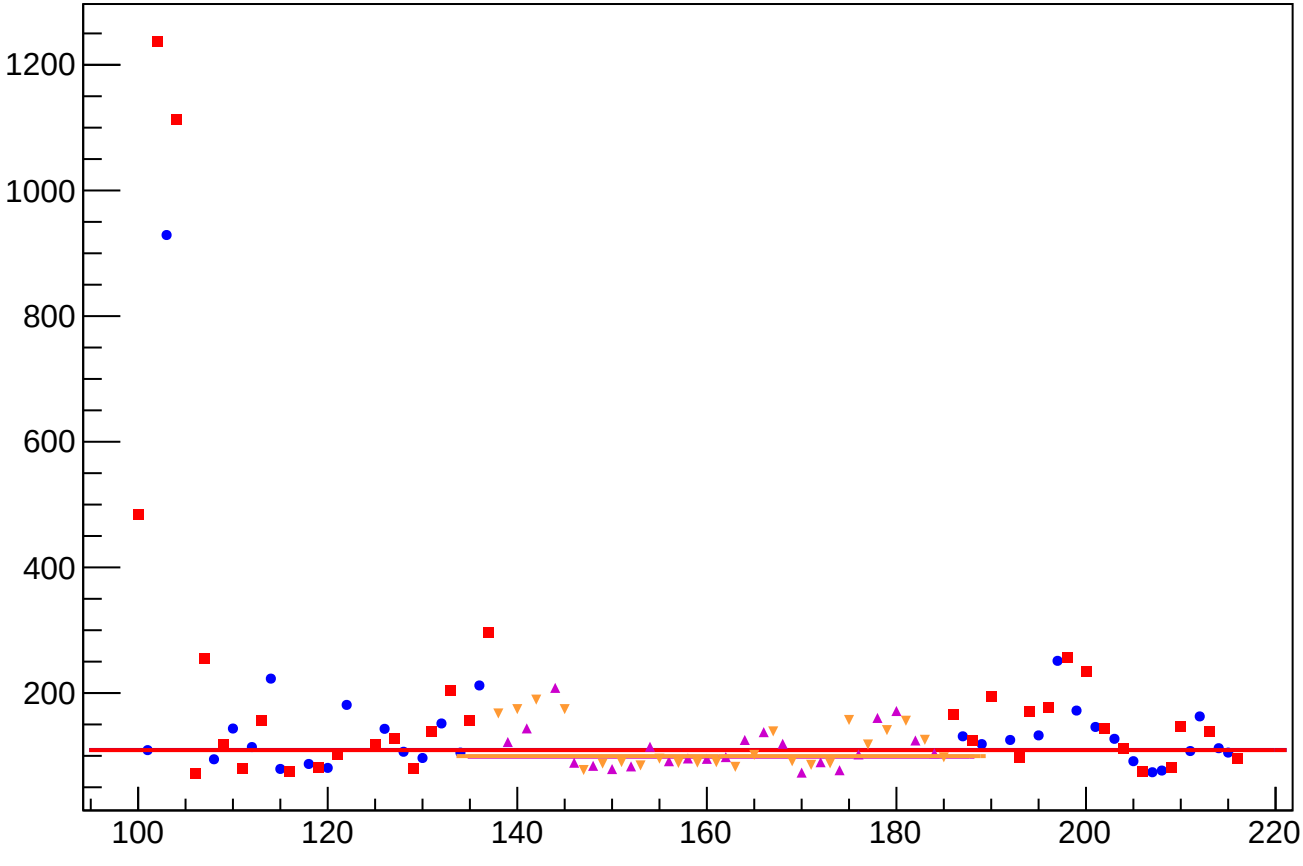
Right: 0.005+/-0.021 χ^2/NDF: 69.6/63

In: -0.012+/-0.019 χ^2/NDF:72.5/53

Out: -0.013+/-0.019 χ^2/NDF:57.4/56

All: -0.013+/-0.014 χ^2/NDF: 129.9/110

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: 109.149+/-0.021 χ^2/NDF: 5019142.6/32

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

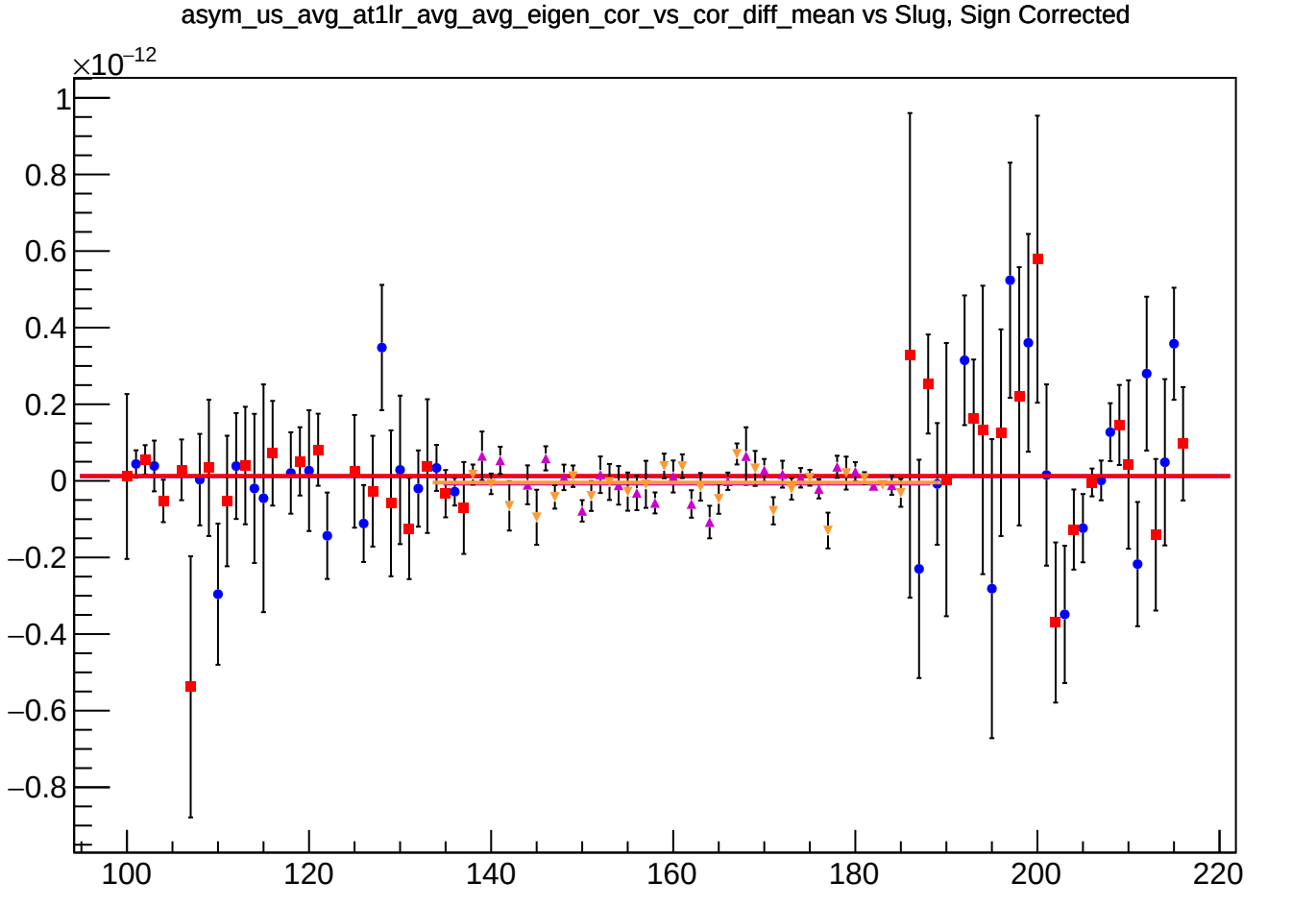
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

Right: 109.273+/-0.015 χ^2/NDF: 8382494.1/63

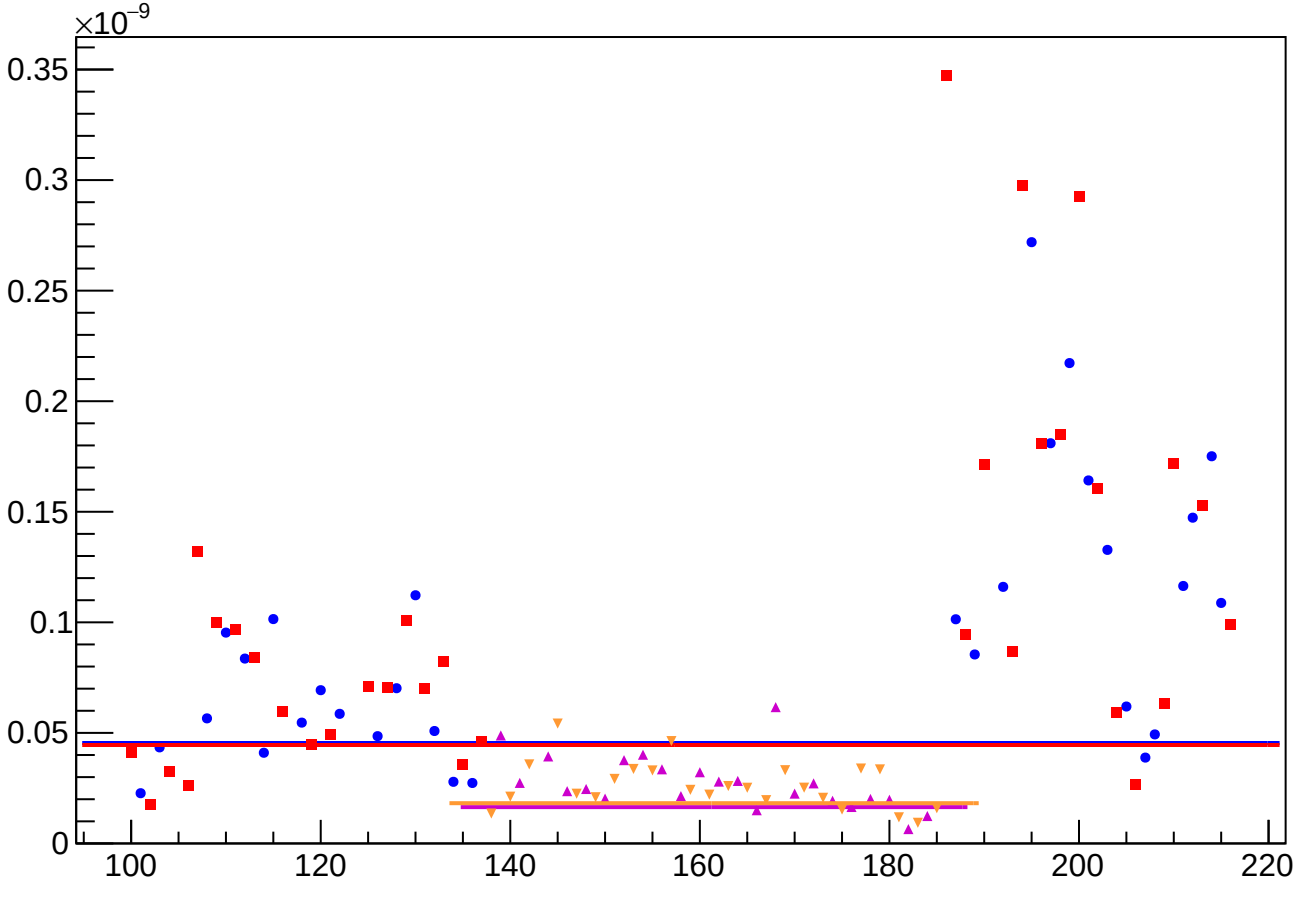
In: 103.274+/-0.013 χ^2/NDF:5523800.5/53

Out: 103.608+/-0.014 χ^2/NDF:7209887.8/56

All: 103.438+/-0.010 χ^2/NDF: 12733994.1/11


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: 24.2/32
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: 64.1/63
In: -0.000+/-0.000 χ²/NDF:76.3/53
Out: -0.000+/-0.000 χ²/NDF:58.1/56
All: -0.000+/-0.000 χ²/NDF: 134.5/110

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7667289.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8908514.4/32

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

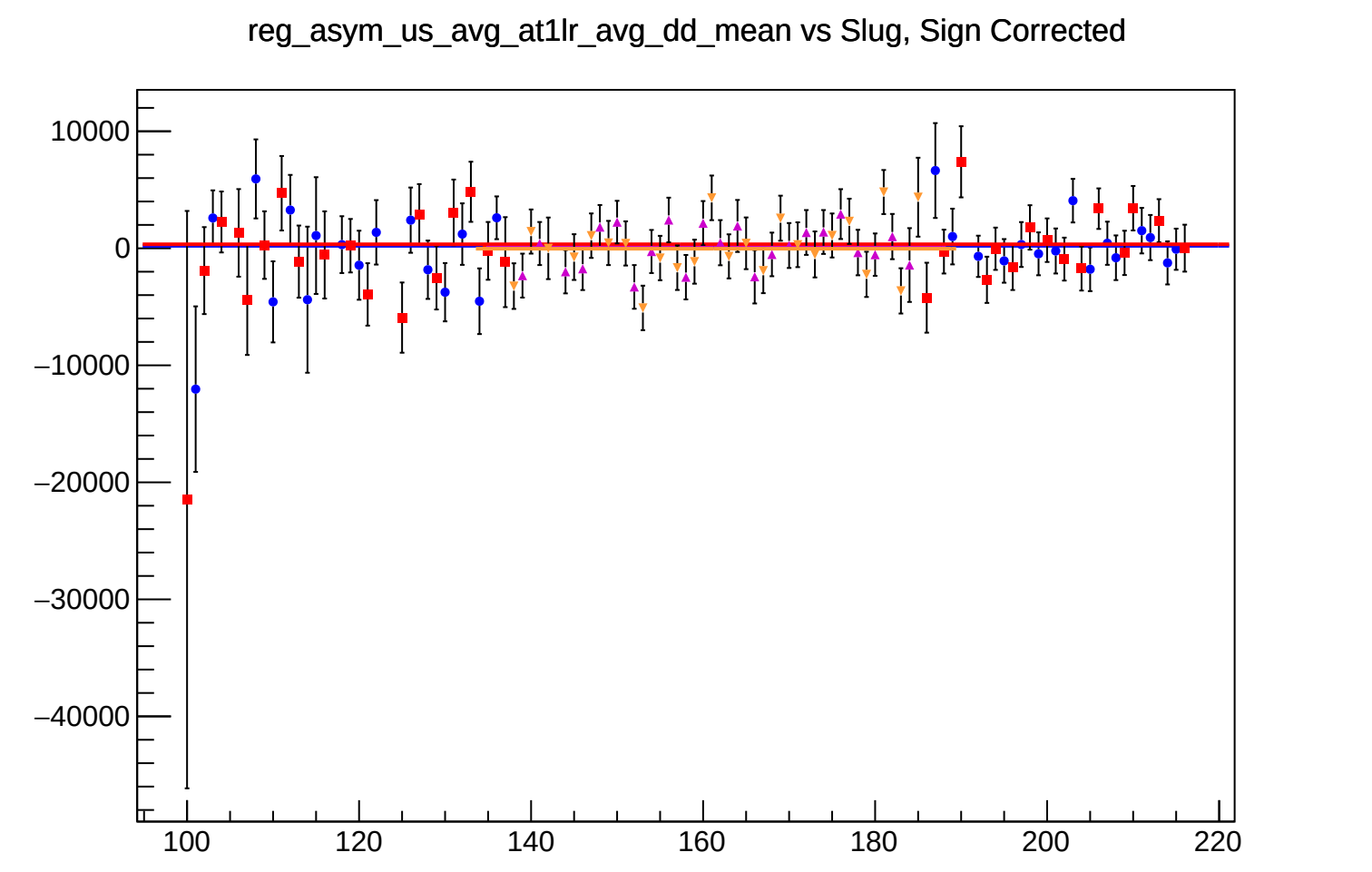
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 16578680.0/63

In: 0.000+/-0.000 χ^2/NDF:20269408.0/53

Out: 0.000+/-0.000 χ^2/NDF:17382268.0/56

All: 0.000+/-0.000 χ^2/NDF: 37742132.6/110



Right In: 213.319+/-409.525 χ^2/NDF: 30.0/30

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 343.173+/-412.209 χ^2/NDF: 38.8/32

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

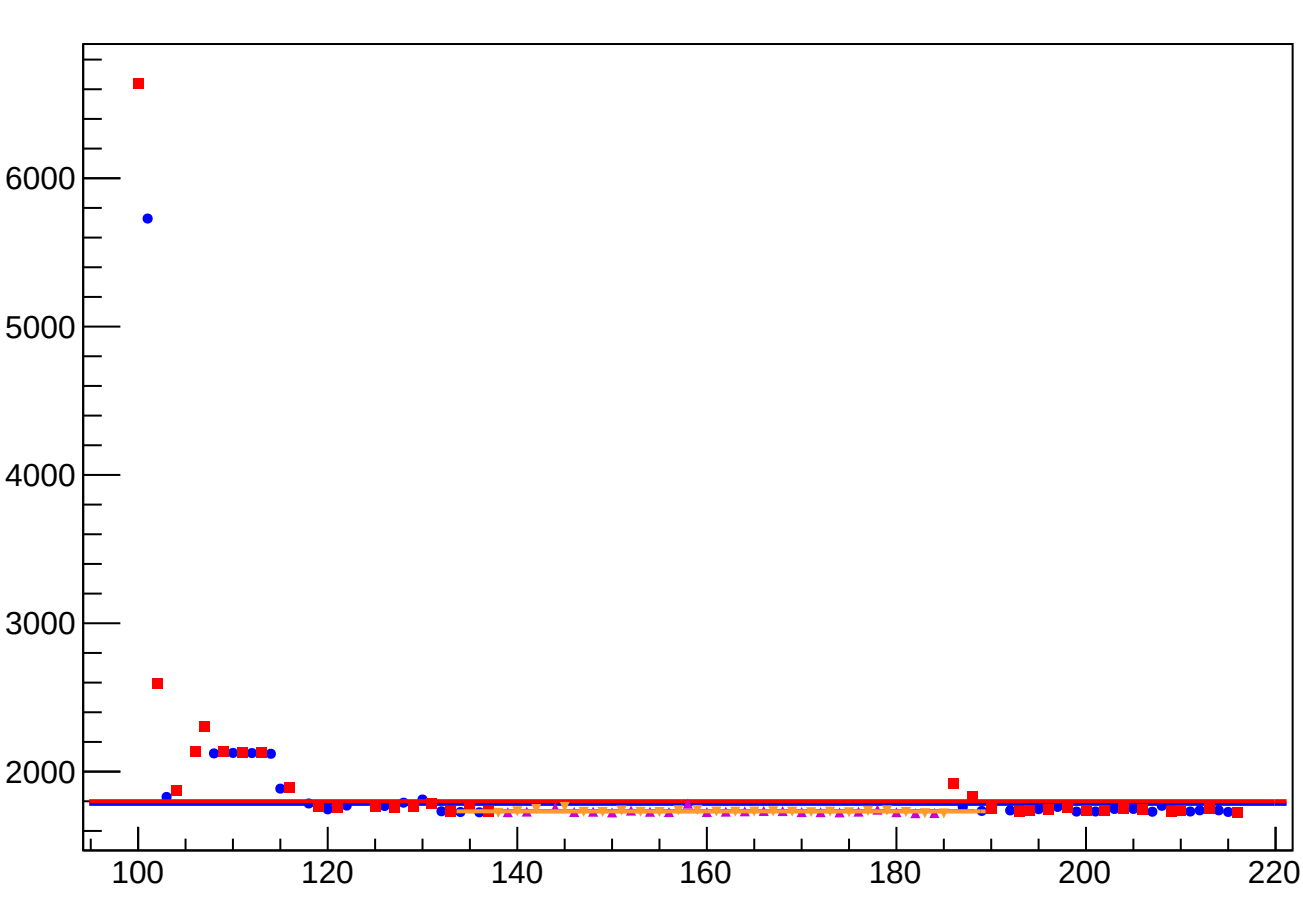
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 277.822+/-290.522 χ^2/NDF: 68.8/63

In: 132.107+/-287.858 χ^2/NDF:49.4/53

Out: 149.435+/-287.788 χ^2/NDF:74.6/56

All: 140.773+/-203.521 χ^2/NDF: 124.1/110



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: 1800.693+/-0.291 χ^2/NDF: 315671.8/32

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

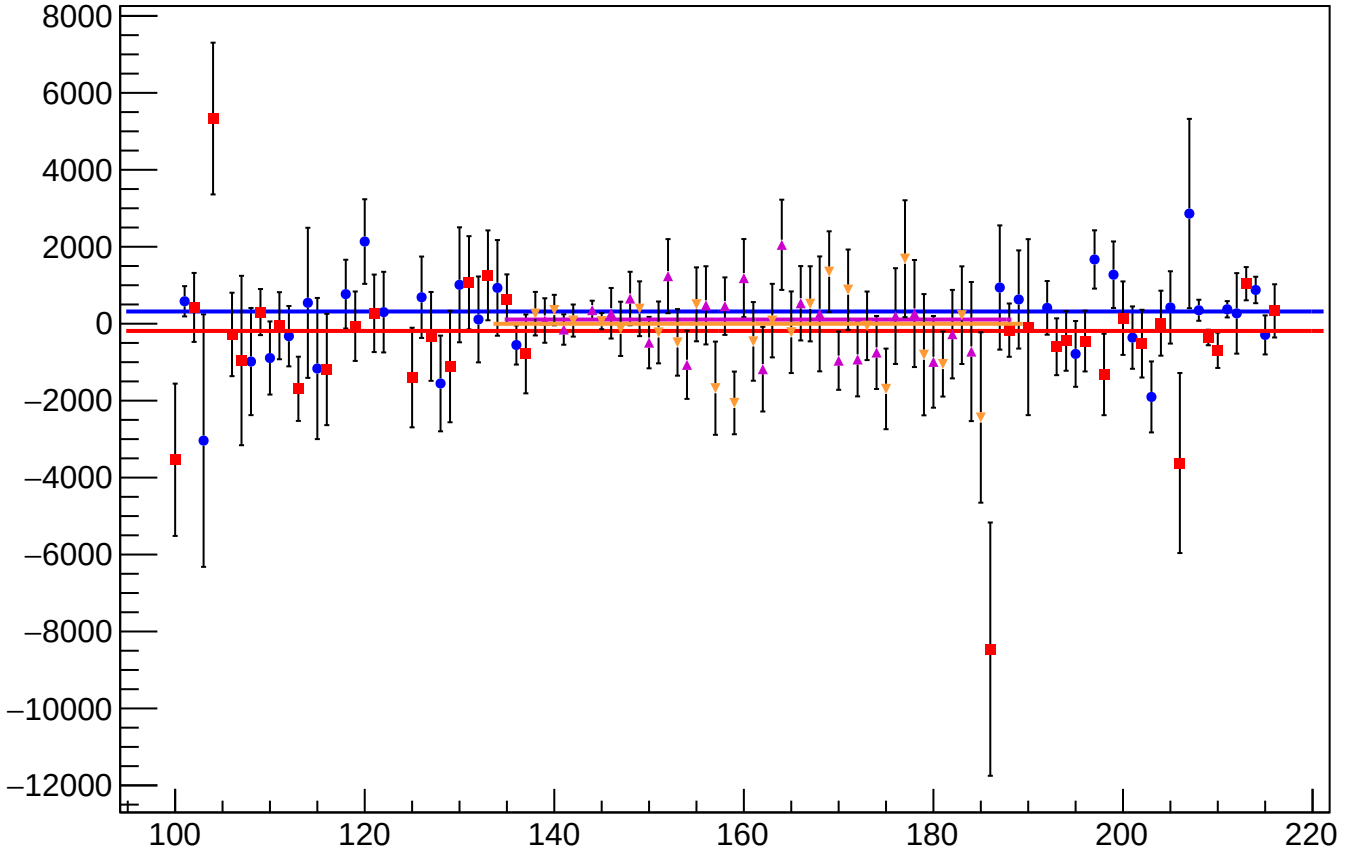
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1791.598+/-0.205 χ^2/NDF: 1032080.2/63

In: 1757.676+/-0.204 χ^2/NDF:731371.5/53

Out: 1765.475+/-0.203 χ^2/NDF:345090.7/56

All: 1761.577+/-0.144 χ^2/NDF: 1077196.5/11



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: -188.112+/-122.396 χ^2/NDF: 42.8/32

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

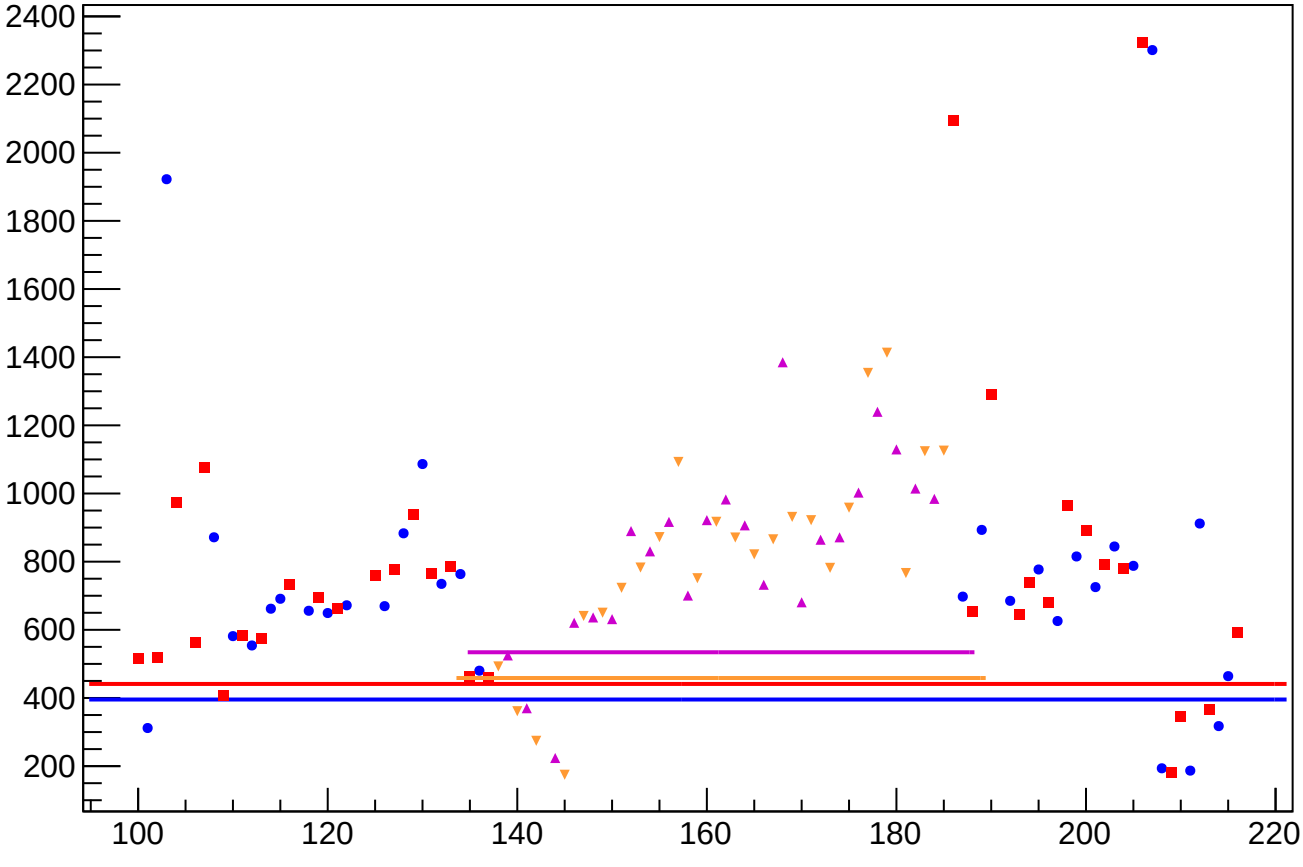
Right: 89.046+/-82.278 χ^2/NDF: 84.3/63

In: 239.005+/-87.823 χ^2/NDF:50.5/53

Out: -100.885+/-89.131 χ^2/NDF:64.2/56

All: 71.571+/-62.558 χ^2/NDF: 122.0/110

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: 441.182+/-0.087 χ^2/NDF: 9645786.7/32

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

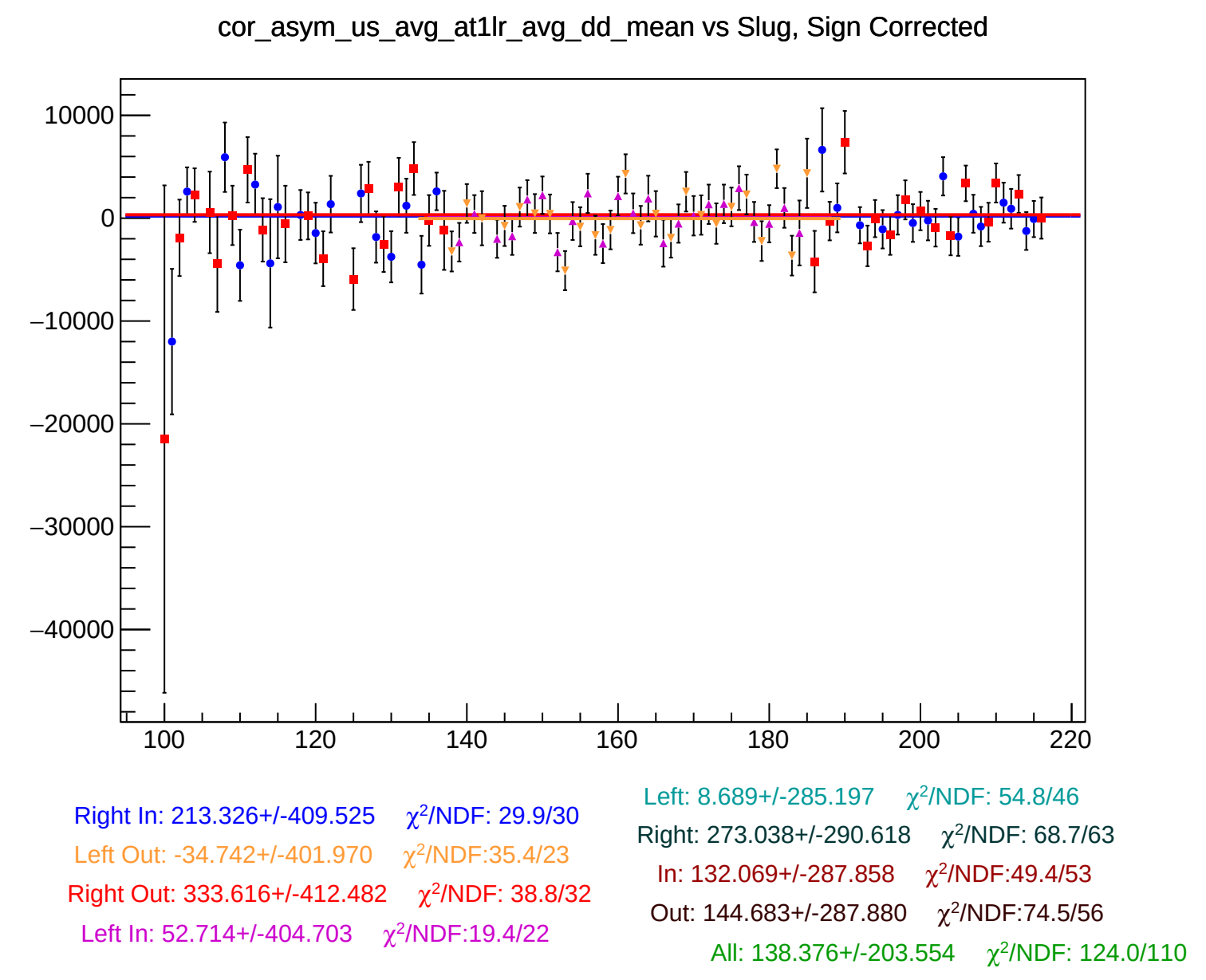
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

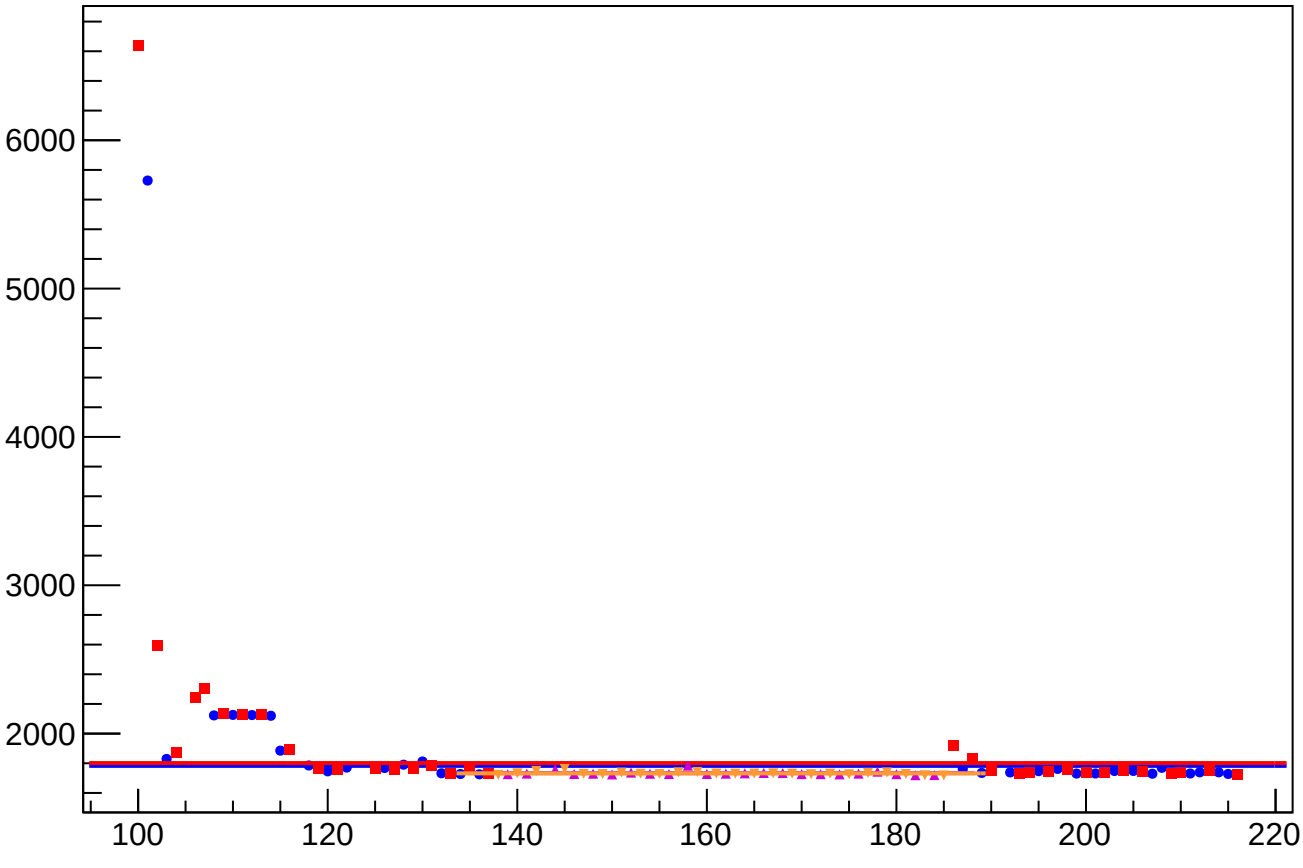
Right: 416.144+/-0.058 χ^2/NDF: 20277151.3/63

In: 447.571+/-0.062 χ^2/NDF:20091095.6/53

Out: 449.353+/-0.063 χ^2/NDF:21091499.8/56

All: 448.449+/-0.044 χ^2/NDF: 41183001.2/11


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: 333.616+/-412.482 χ²/NDF: 38.8/32
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 273.038+/-290.618 χ²/NDF: 68.7/63
In: 132.069+/-287.858 χ²/NDF:49.4/53
Out: 144.683+/-287.880 χ²/NDF:74.5/56
All: 138.376+/-203.554 χ²/NDF: 124.0/110



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: 1801.387+/-0.292 χ^2/NDF: 324298.7/32

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

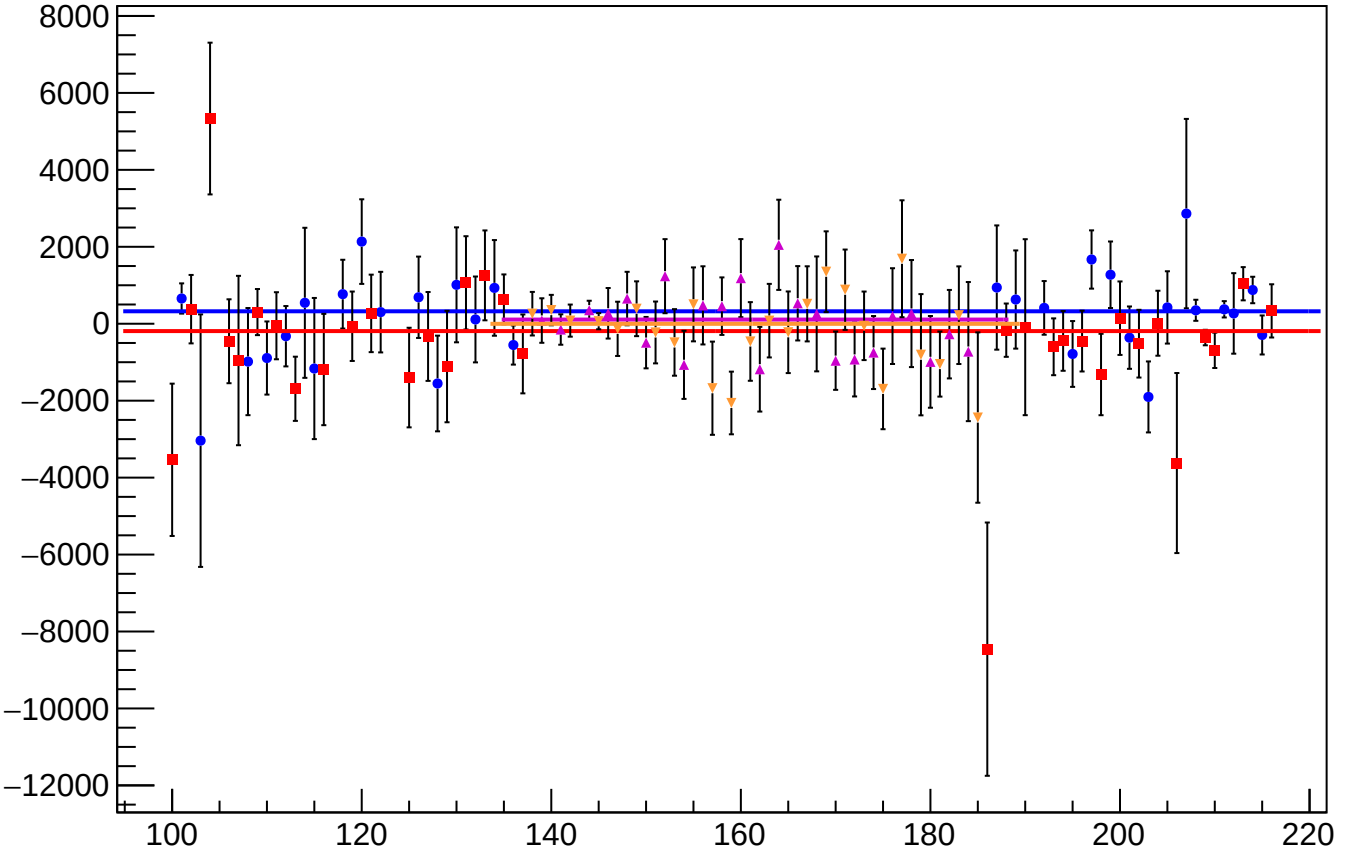
Right: 1791.936+/-0.205 χ^2/NDF: 1040856.9/63

In: 1757.676+/-0.204 χ^2/NDF:731371.4/53

Out: 1765.790+/-0.204 χ^2/NDF:354275.6/56

All: 1761.733+/-0.144 χ^2/NDF: 1086441.4/11

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: -191.058+/-122.385 χ^2/NDF: 42.8/32

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

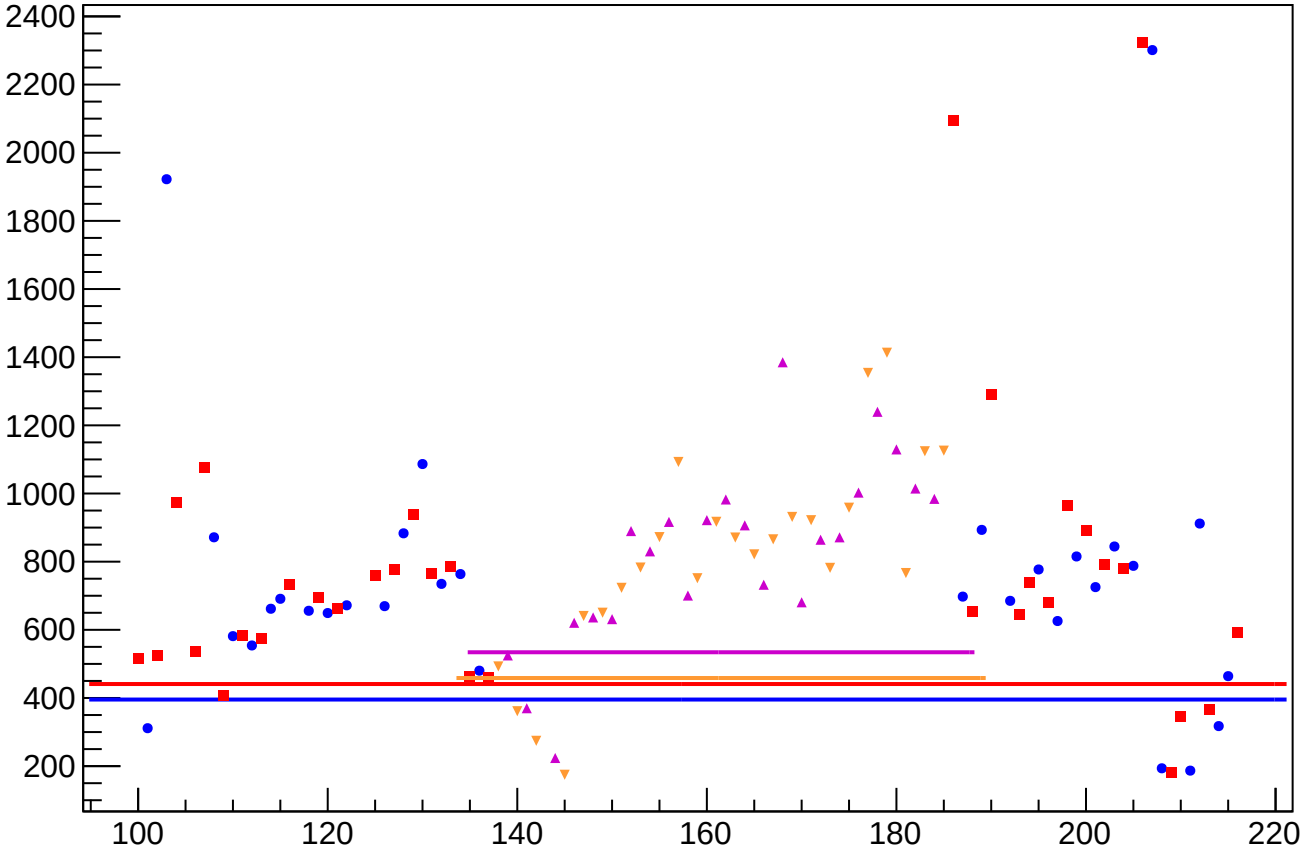
Right: 90.993+/-82.269 χ^2/NDF: 85.0/63

In: 242.732+/-87.816 χ^2/NDF:50.9/53

Out: -102.515+/-89.127 χ^2/NDF:64.2/56

All: 72.665+/-62.554 χ^2/NDF: 122.7/110

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: 440.953+/-0.087 χ^2/NDF: 9639484.6/32

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

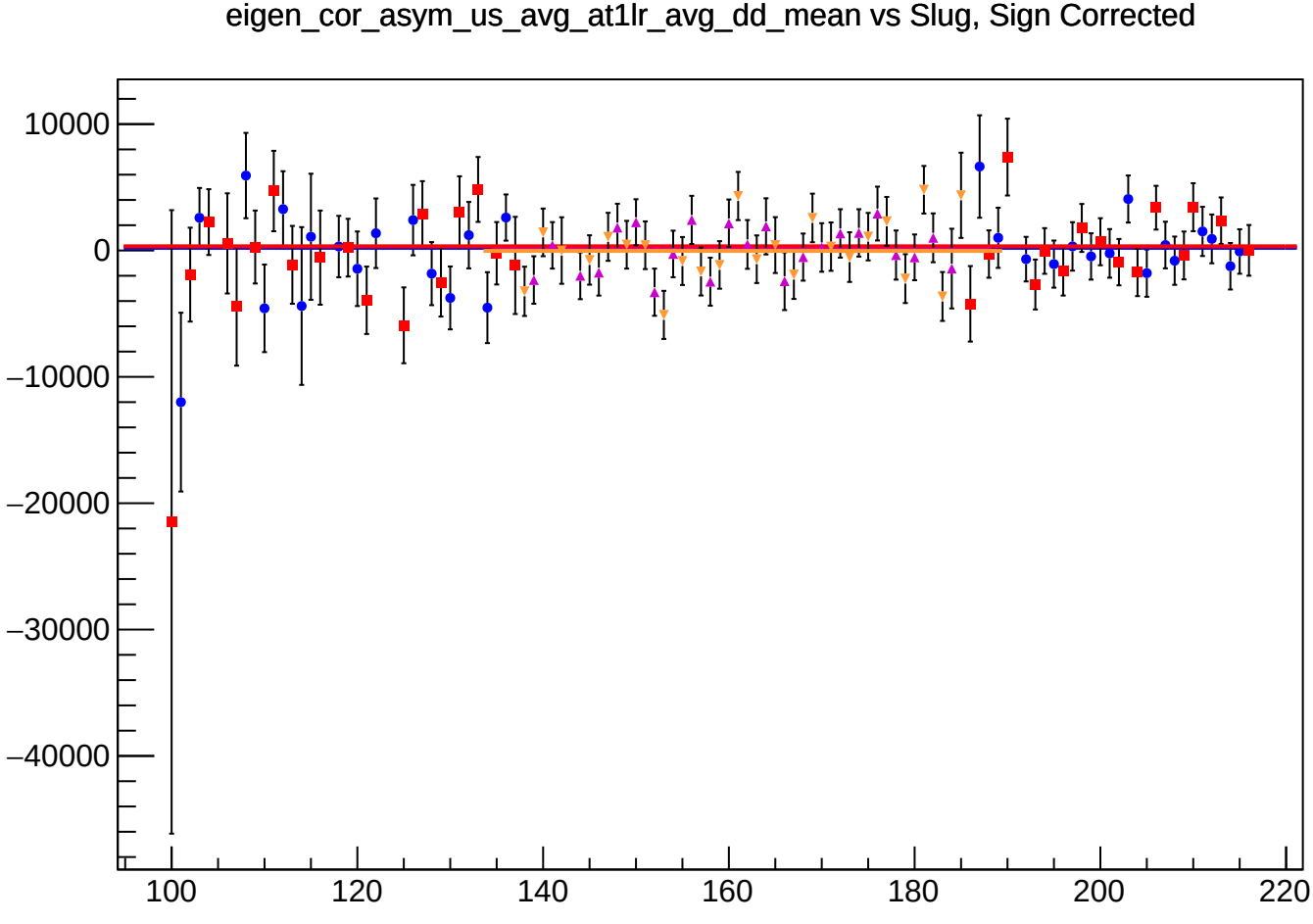
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 415.997+/-0.058 χ^2/NDF: 20272174.0/63

In: 447.517+/-0.062 χ^2/NDF:20094459.6/53

Out: 449.236+/-0.063 χ^2/NDF:21085308.3/56

All: 448.364+/-0.044 χ^2/NDF: 41180145.3/11



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: 333.616+/-412.482 χ^2/NDF: 38.8/32

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

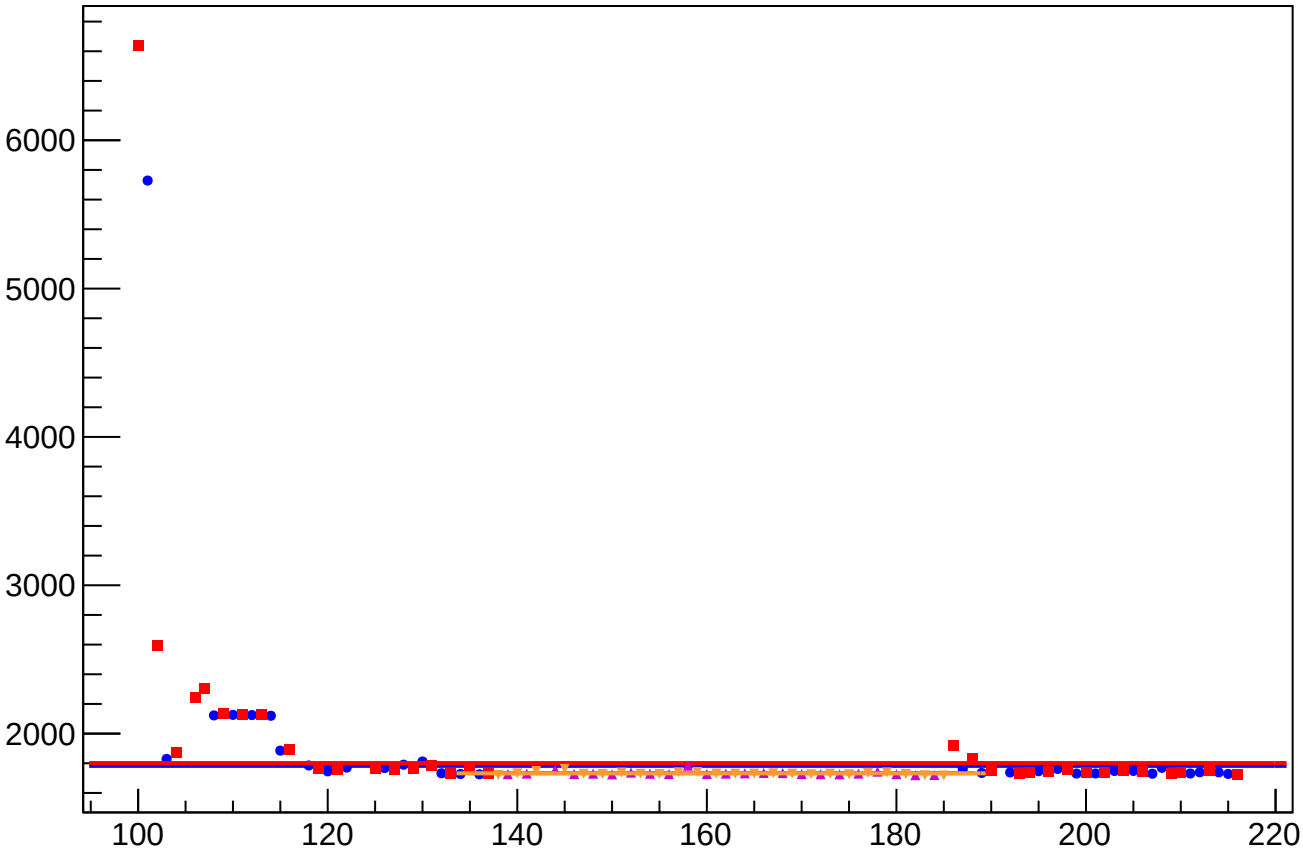
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 273.038+/-290.618 χ^2/NDF: 68.7/63

In: 132.069+/-287.858 χ^2/NDF:49.4/53

Out: 144.683+/-287.880 χ^2/NDF:74.5/56

All: 138.376+/-203.554 χ^2/NDF: 124.0/110



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: 1801.387+/-0.292 χ^2/NDF: 324298.7/32

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

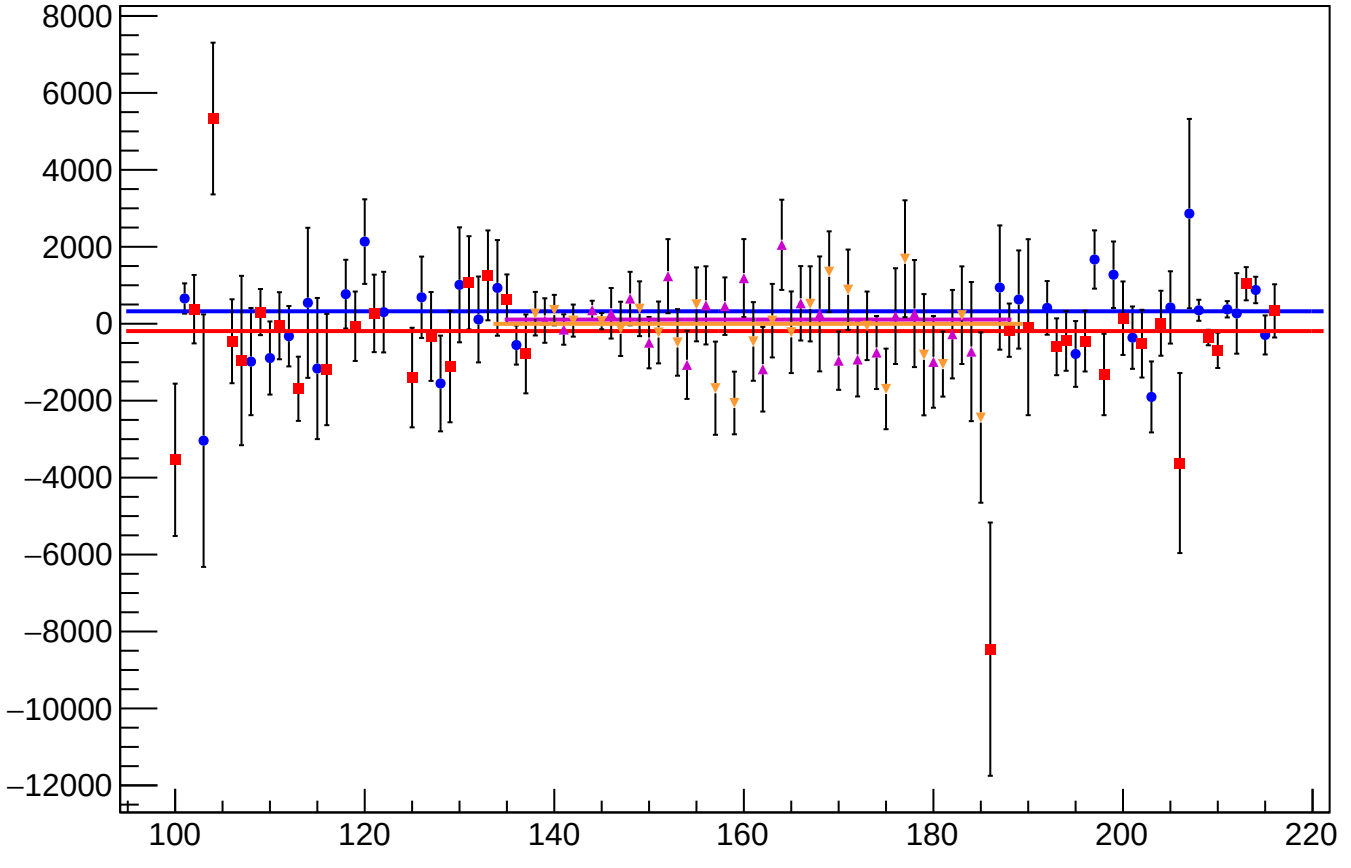
Right: 1791.936+/-0.205 χ^2/NDF: 1040856.9/63

In: 1757.676+/-0.204 χ^2/NDF:731371.4/53

Out: 1765.790+/-0.204 χ^2/NDF:354275.6/56

All: 1761.733+/-0.144 χ^2/NDF: 1086441.4/11

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: -191.058+/-122.385 χ^2/NDF: 42.8/32

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

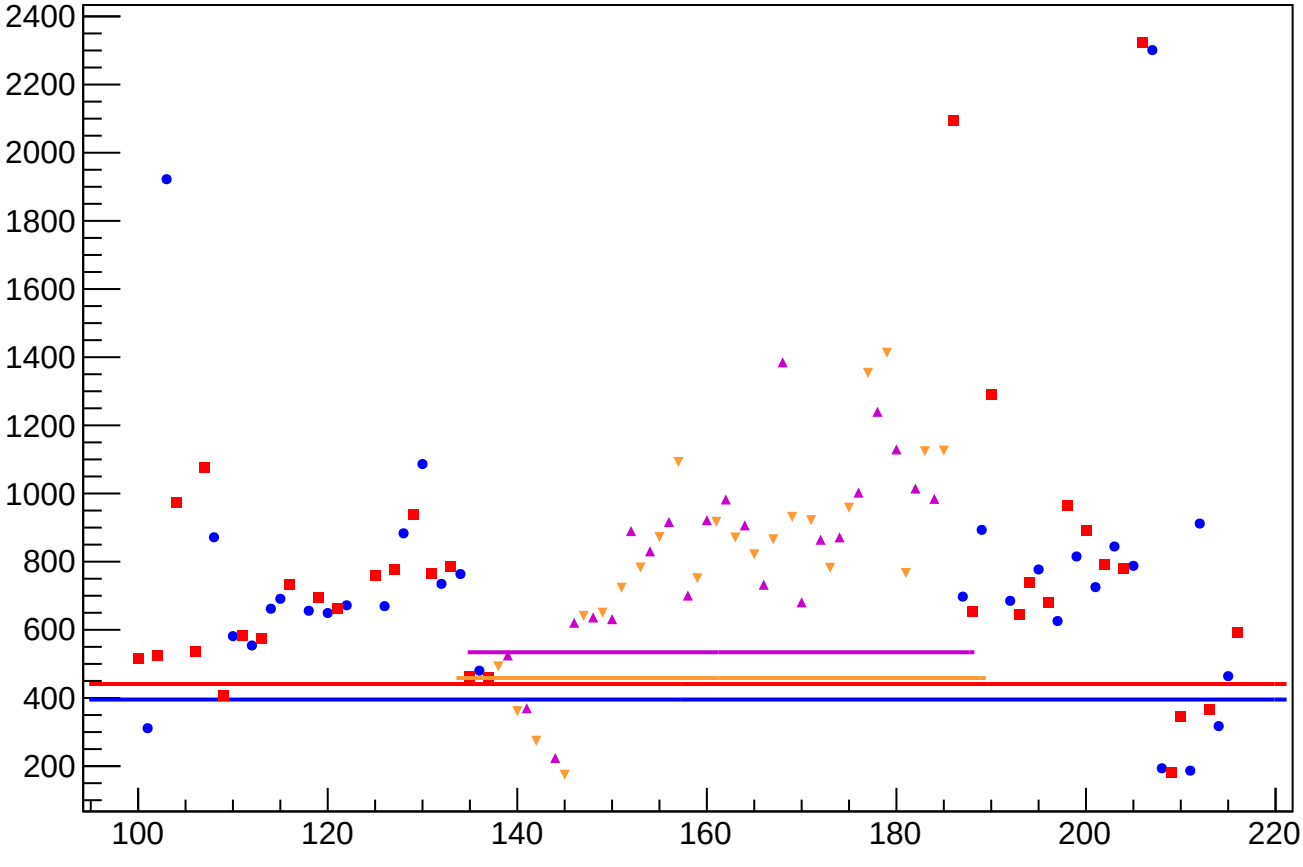
Right: 90.993+/-82.269 χ^2/NDF: 85.0/63

In: 242.732+/-87.816 χ^2/NDF:50.9/53

Out: -102.515+/-89.127 χ^2/NDF:64.2/56

All: 72.665+/-62.554 χ^2/NDF: 122.7/110

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: 440.953+/-0.087 χ^2/NDF: 9639484.6/32

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

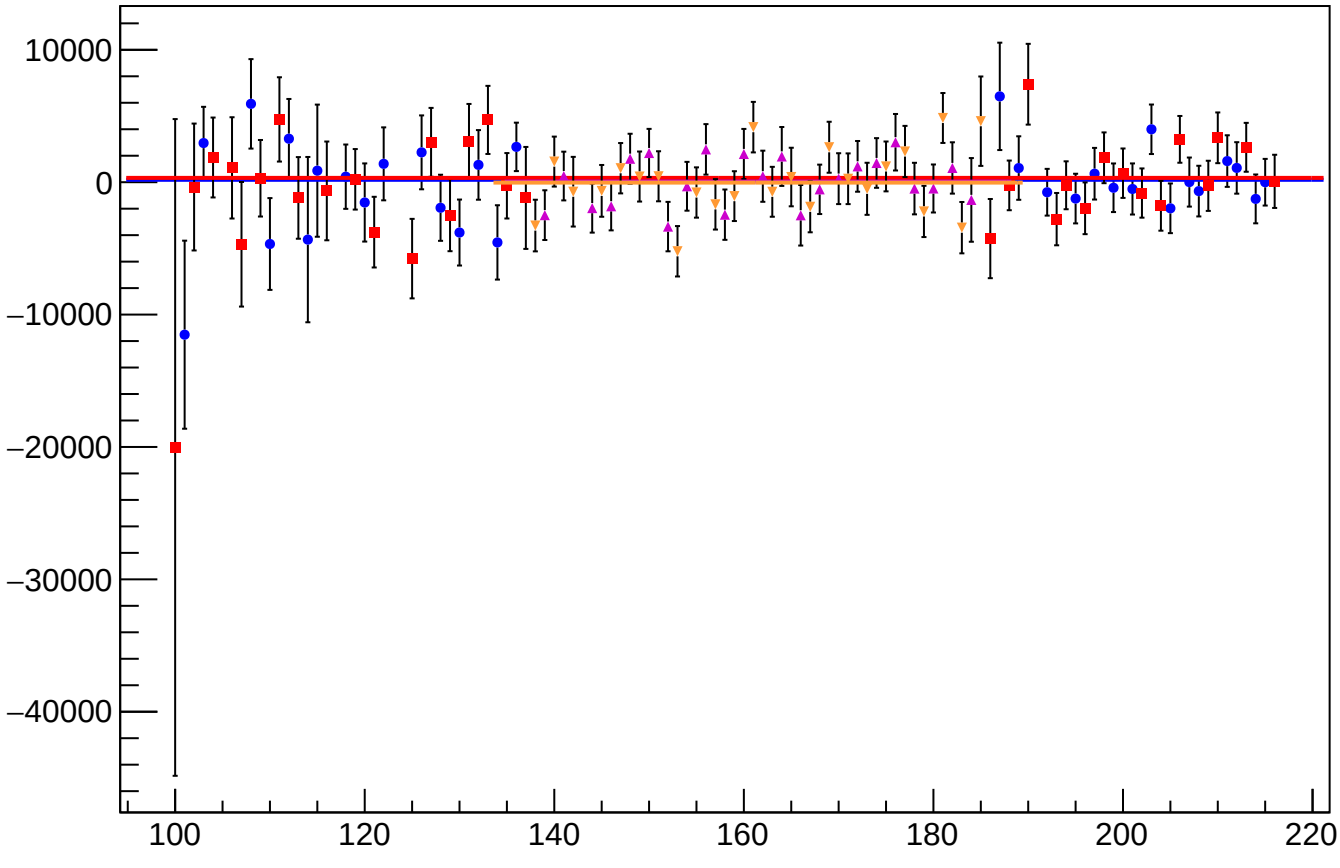
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 415.997+/-0.058 χ^2/NDF: 20272174.0/63

In: 447.517+/-0.062 χ^2/NDF:20094459.6/53

Out: 449.236+/-0.063 χ^2/NDF:21085308.3/56

All: 448.364+/-0.044 χ^2/NDF: 41180145.3/11



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: 326.322+/-416.385 χ^2/NDF: 38.0/32

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

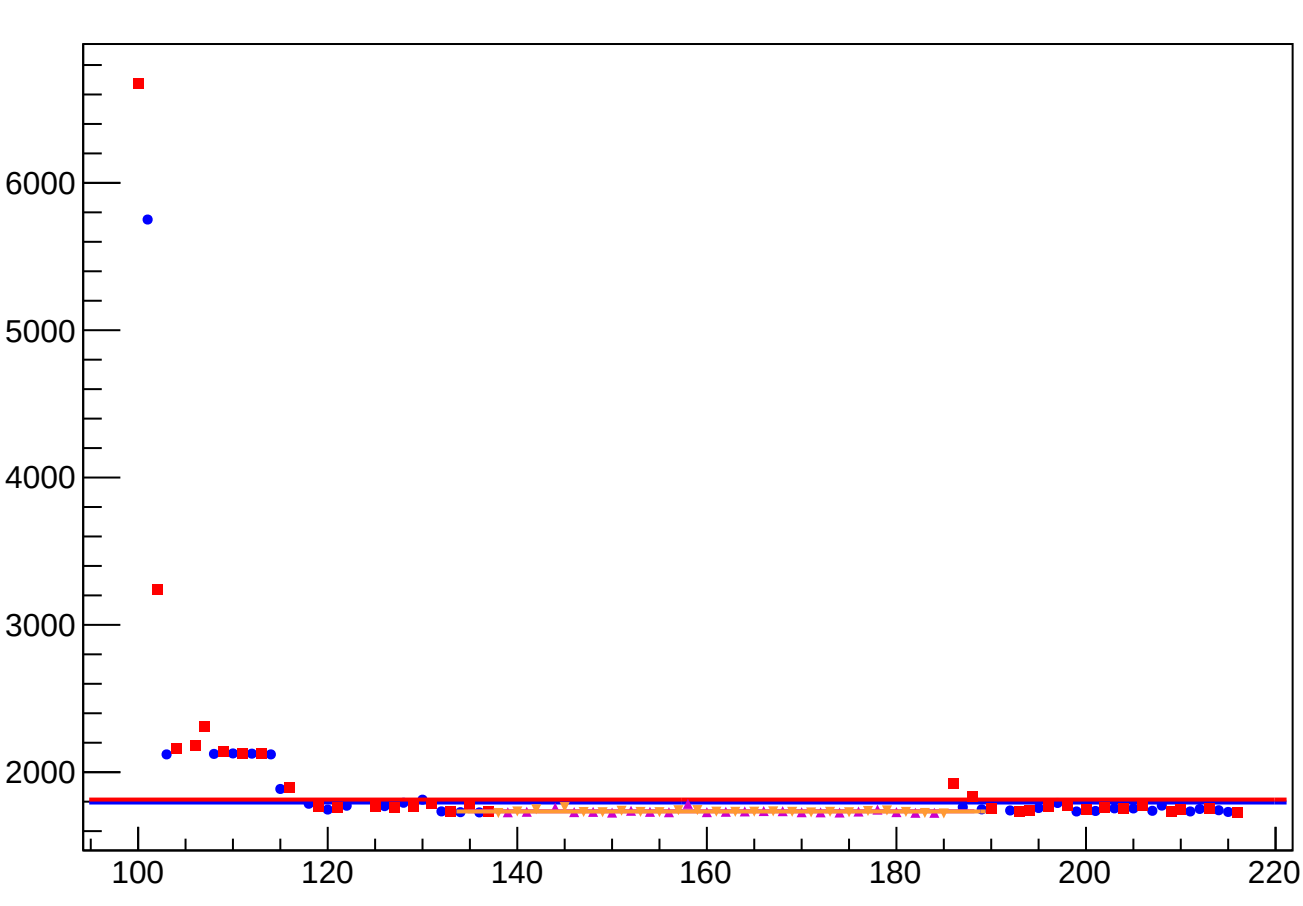
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 253.153+/-292.986 χ^2/NDF: 68.3/63

In: 110.695+/-288.955 χ^2/NDF:50.1/53

Out: 142.356+/-289.327 χ^2/NDF:73.9/56

All: 126.505+/-204.453 χ^2/NDF: 124.0/110



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: 1814.238+/-0.294 χ^2/NDF: 426219.8/32

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

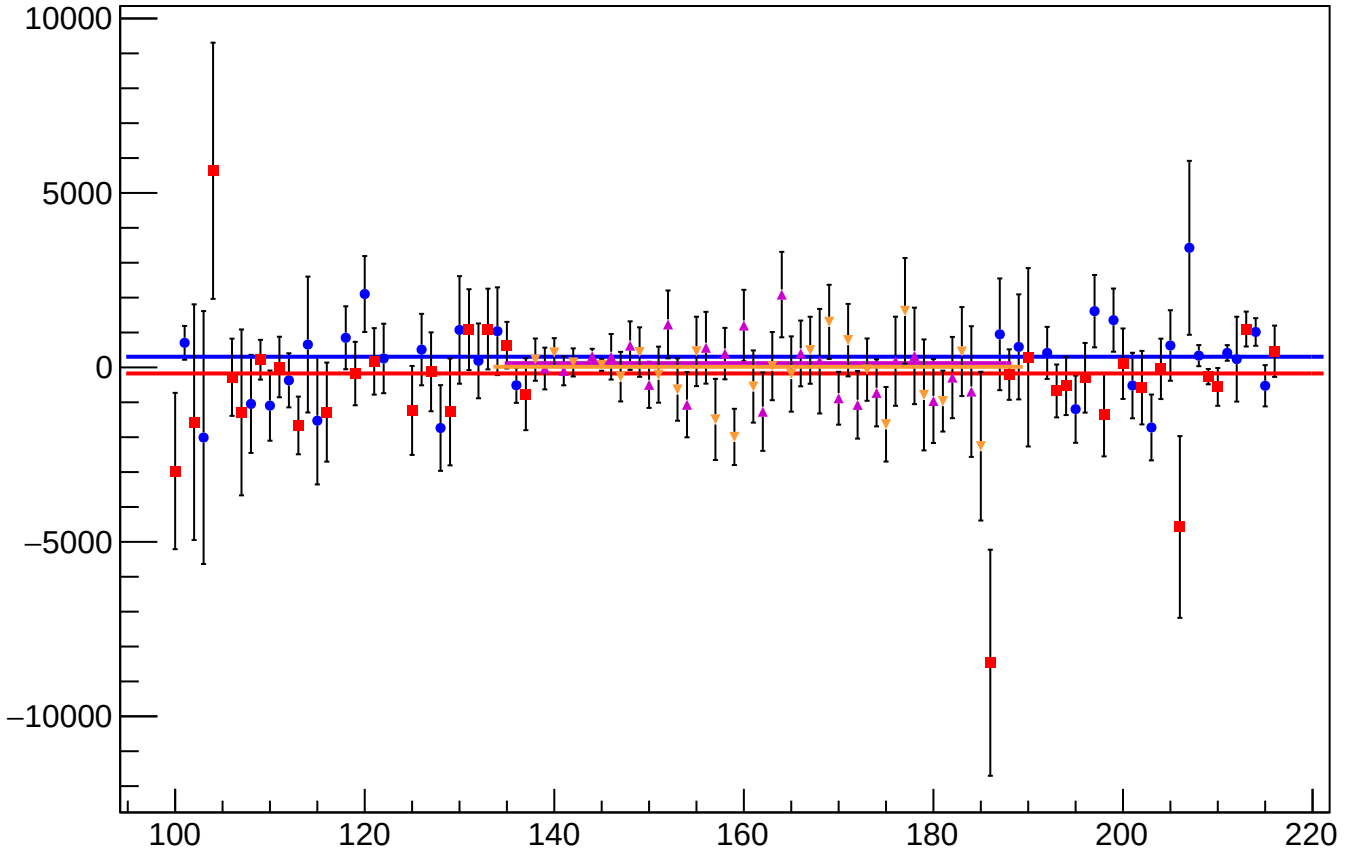
Right: 1804.101+/-0.207 χ^2/NDF: 1170188.9/63

In: 1763.956+/-0.204 χ^2/NDF:764883.4/53

Out: 1772.471+/-0.205 χ^2/NDF:466032.1/56

All: 1768.208+/-0.145 χ^2/NDF: 1231782.9/11

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: -173.395+/-132.450 χ^2/NDF: 33.6/32

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

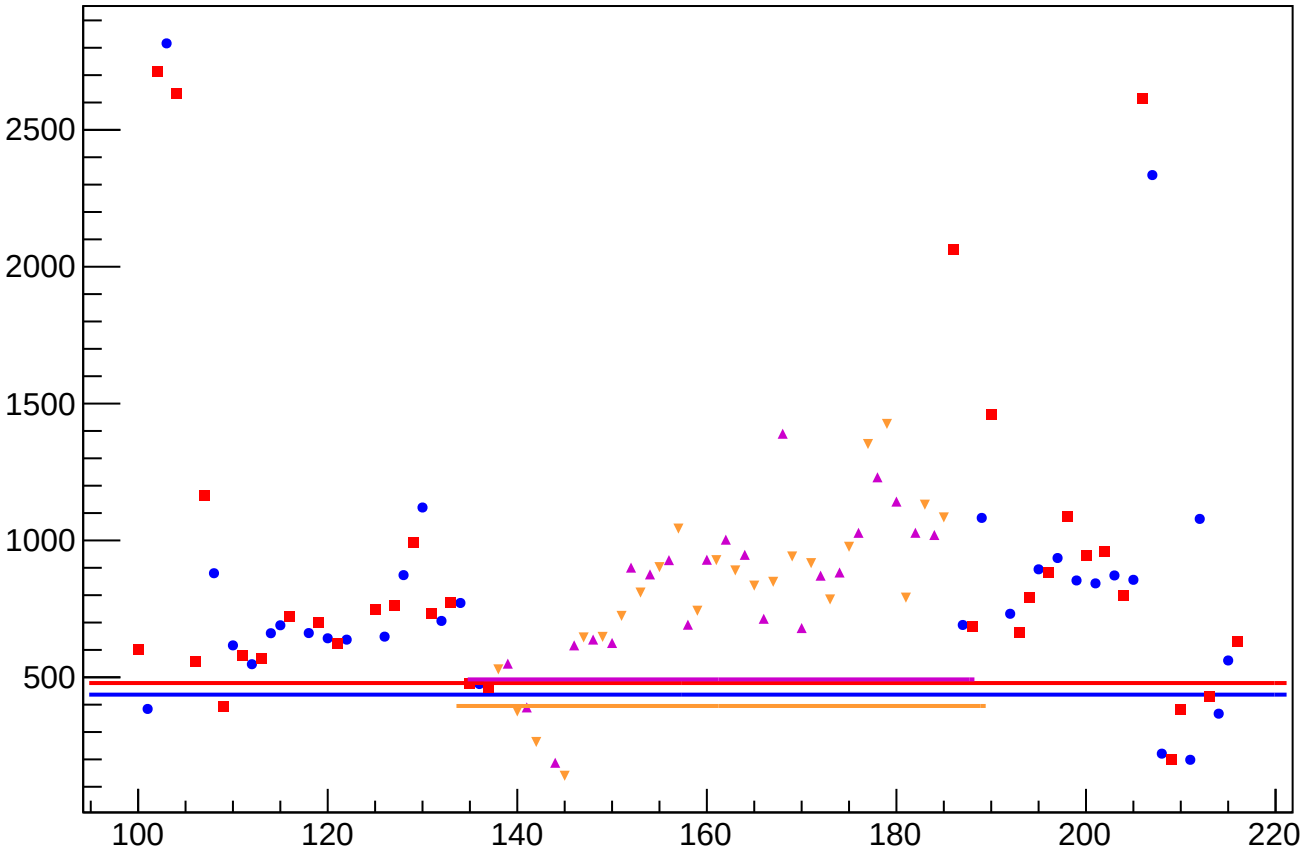
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: 88.451+/-89.196 χ^2/NDF: 73.7/63

In: 225.451+/-90.590 χ^2/NDF:50.5/53

Out: -67.739+/-88.657 χ^2/NDF:54.2/56

All: 75.694+/-63.362 χ^2/NDF: 110.0/110



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: 478.970+/-0.094 χ^2/NDF: 10772245.9/32

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

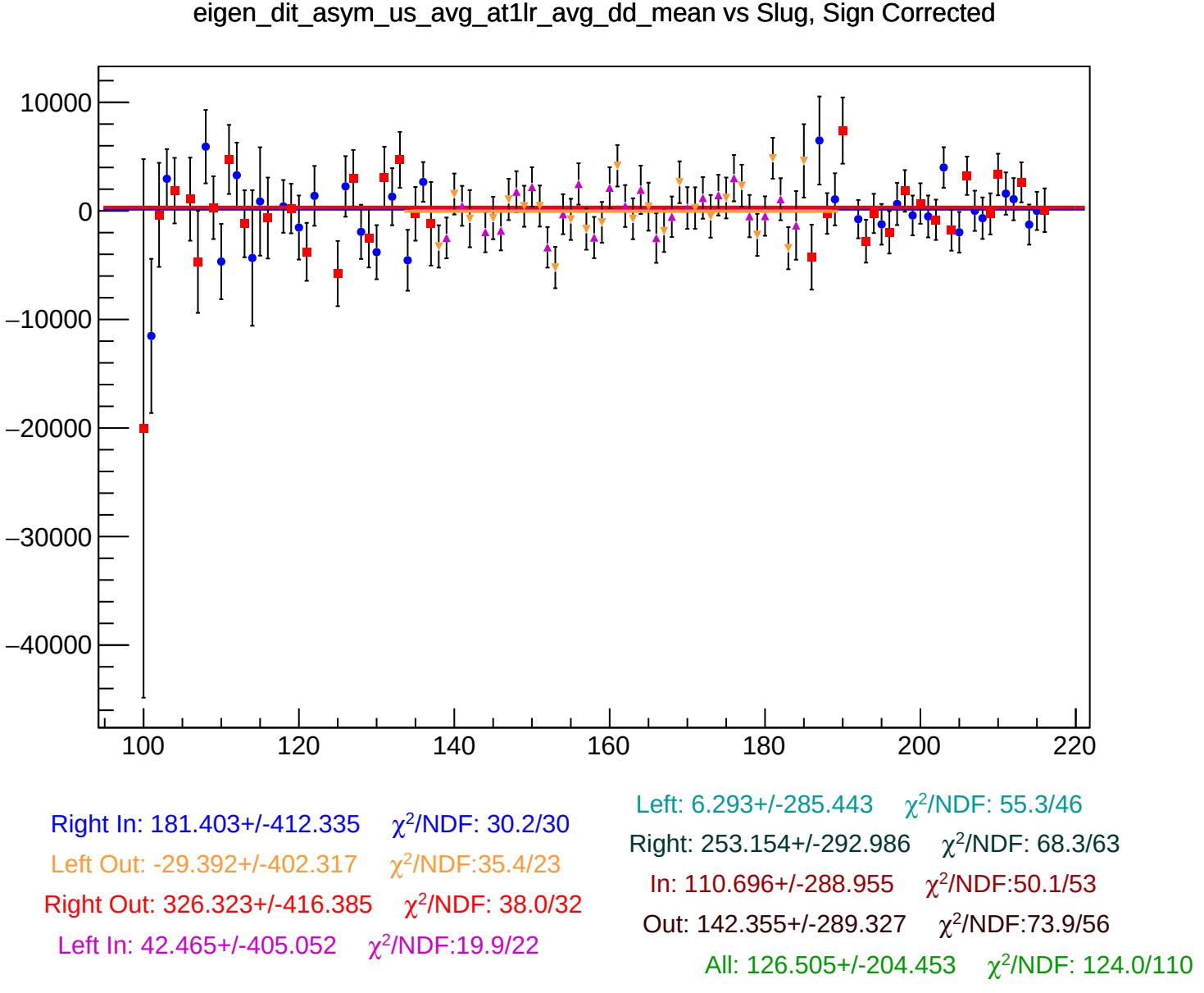
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

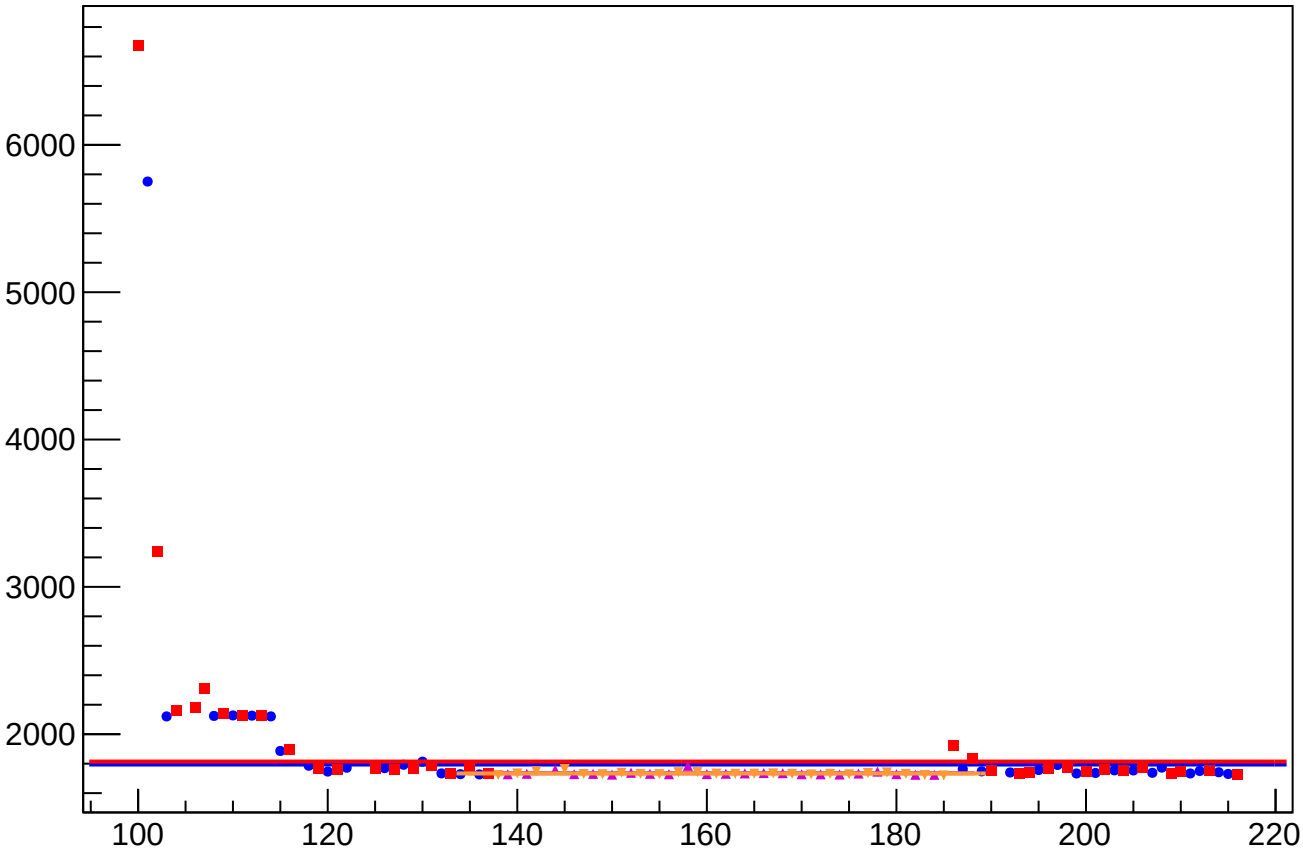
Right: 455.817+/-0.063 χ^2/NDF: 21793592.1/63

In: 460.900+/-0.064 χ^2/NDF:21514911.2/53

Out: 432.726+/-0.063 χ^2/NDF:25548367.6/56

All: 446.509+/-0.045 χ^2/NDF: 47162089.3/11


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 181.403+/-412.335 χ²/NDF: 30.2/30
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 326.323+/-416.385 χ²/NDF: 38.0/32
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 253.154+/-292.986 χ²/NDF: 68.3/63
In: 110.696+/-288.955 χ²/NDF:50.1/53
Out: 142.355+/-289.327 χ²/NDF:73.9/56
All: 126.505+/-204.453 χ²/NDF: 124.0/110



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: 1814.238+/-0.294 χ^2/NDF: 426218.8/32

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

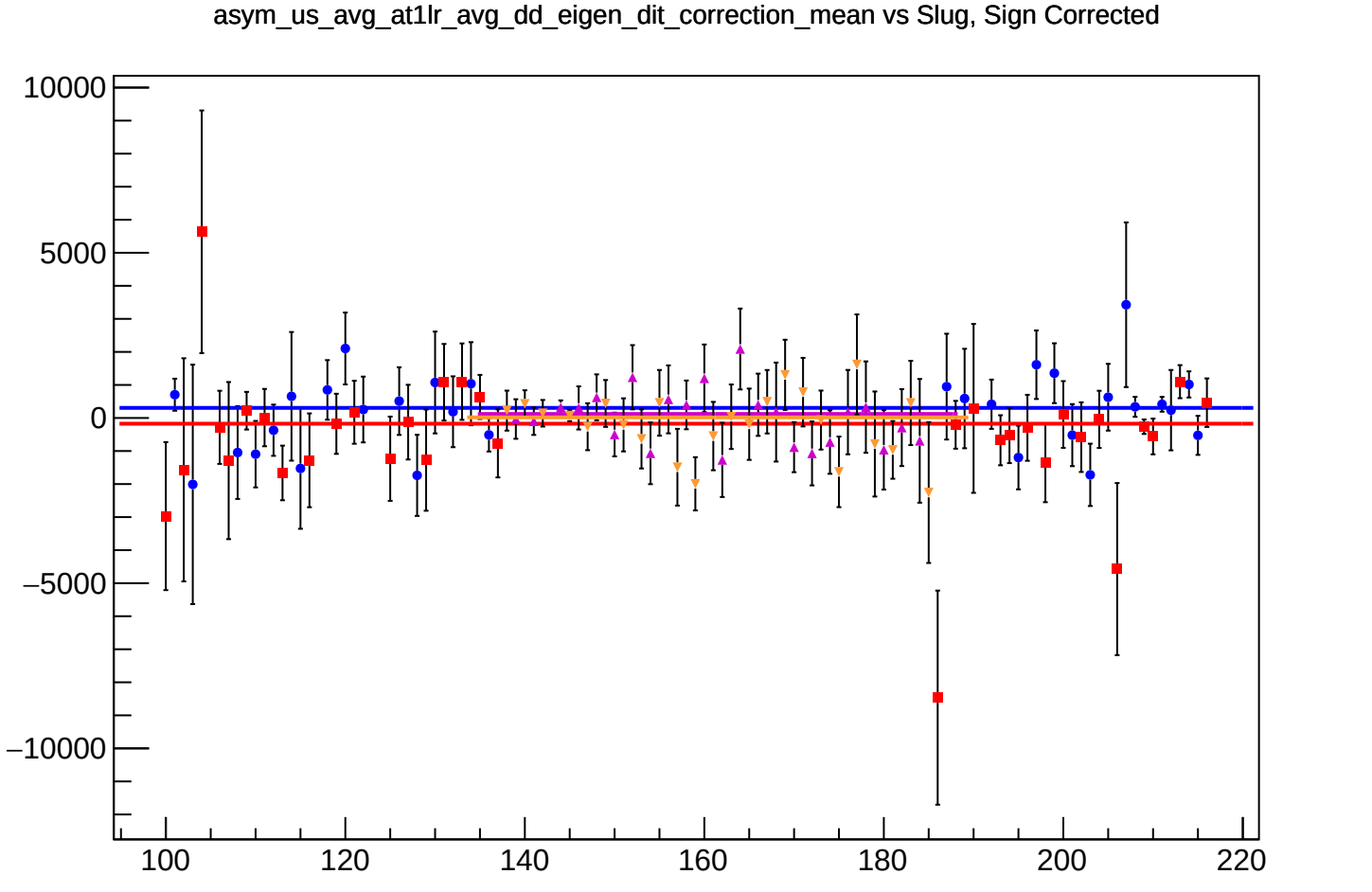
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1804.101+/-0.207 χ^2/NDF: 1170187.6/63

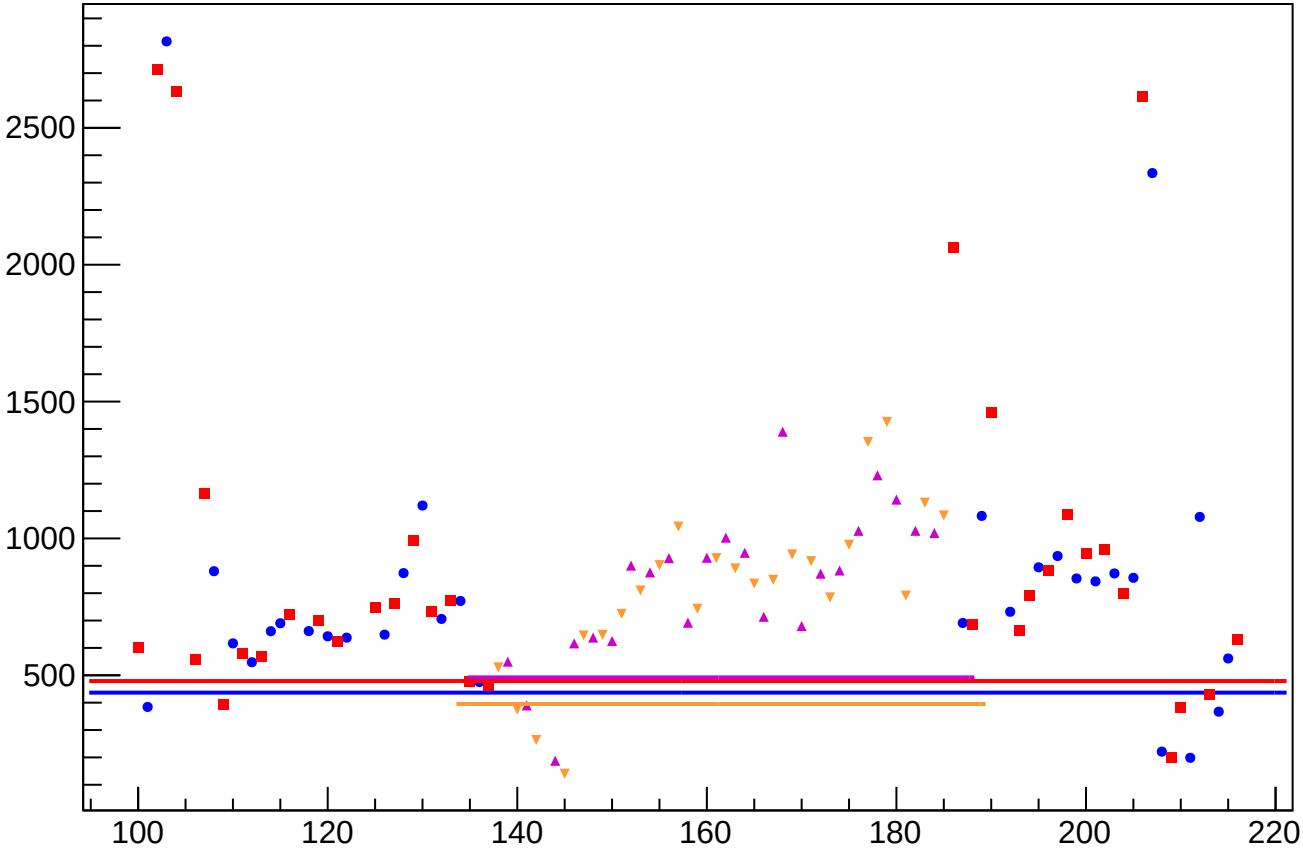
In: 1763.956+/-0.204 χ^2/NDF:764883.0/53

Out: 1772.471+/-0.205 χ^2/NDF:466031.3/56

All: 1768.208+/-0.145 χ^2/NDF: 1231781.6/11


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: -173.391+/-132.449 χ²/NDF: 33.6/32
Left In: 121.706+/-137.150 χ²/NDF:16.5/22
Left: 62.698+/-90.026 χ²/NDF: 36.2/46
Right: 88.451+/-89.195 χ²/NDF: 73.7/63
In: 225.451+/-90.590 χ²/NDF:50.5/53
Out: -67.739+/-88.657 χ²/NDF:54.2/56
All: 75.694+/-63.362 χ²/NDF: 110.0/110

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: 478.966+/-0.094 χ^2/NDF: 10772352.2/32

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

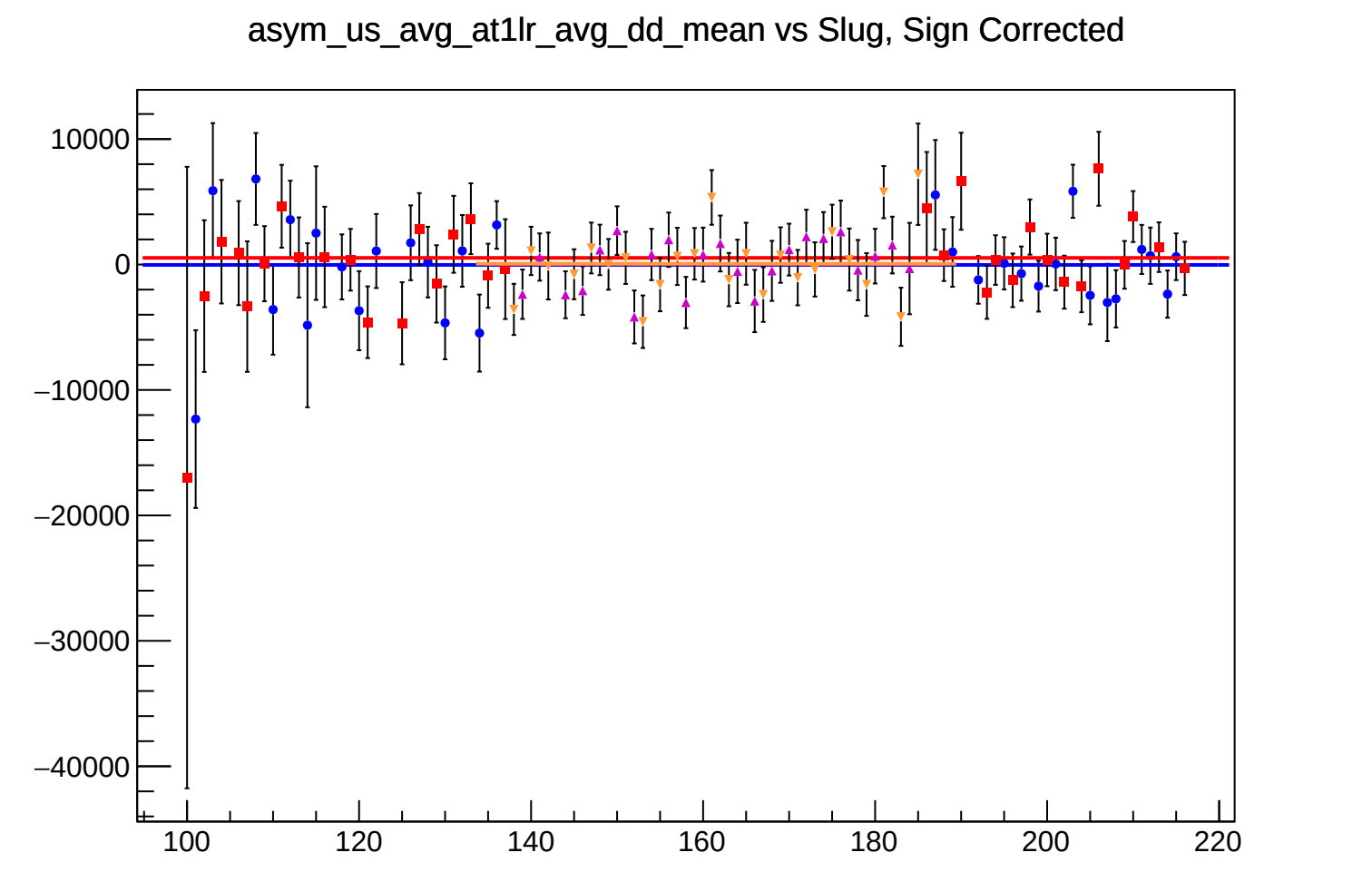
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 455.816+/-0.063 χ^2/NDF: 21793601.8/63

In: 460.901+/-0.064 χ^2/NDF:21514862.2/53

Out: 432.725+/-0.063 χ^2/NDF:25548478.1/56

All: 446.509+/-0.045 χ^2/NDF: 47162168.0/1



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: 529.480+/-464.316 χ^2/NDF: 29.6/32

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

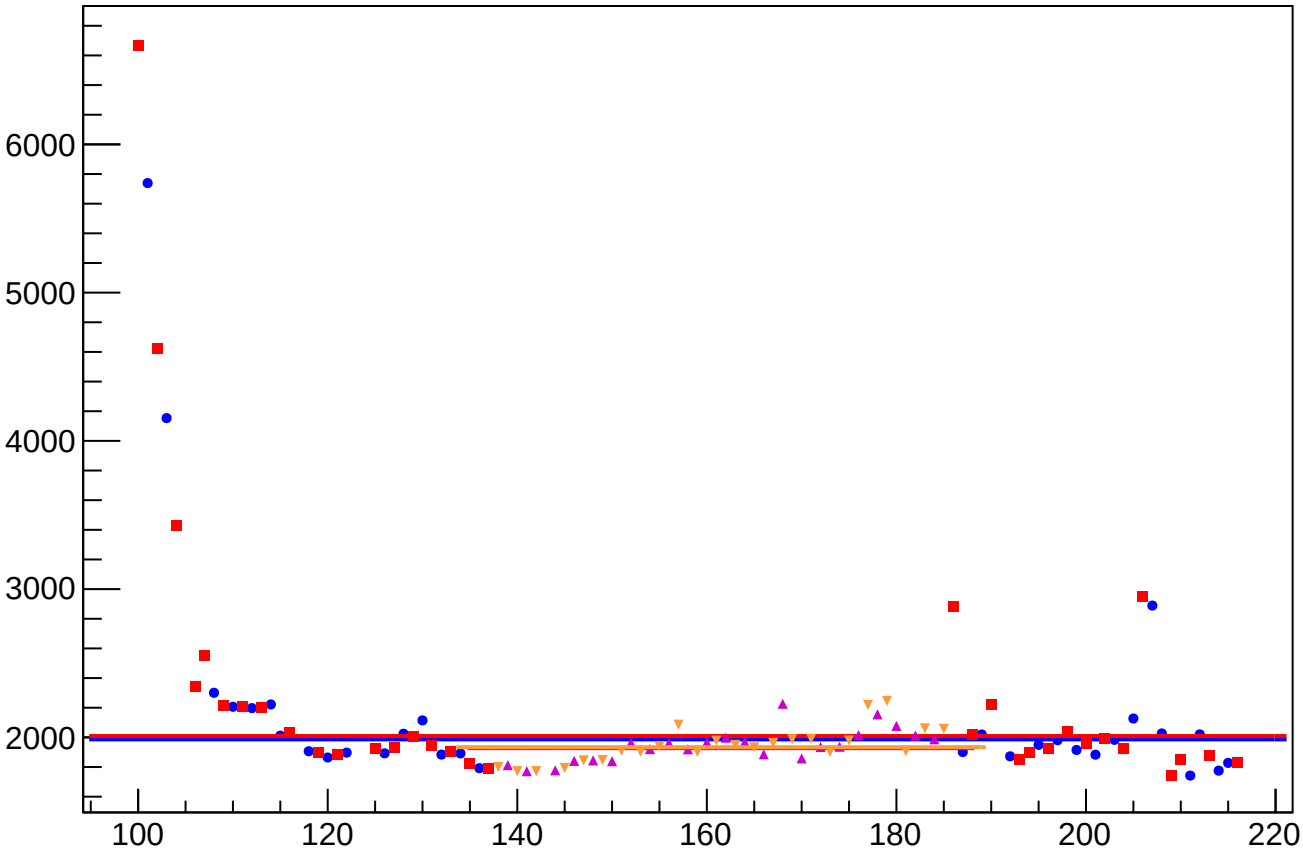
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 248.256+/-327.119 χ^2/NDF: 67.9/63

In: -1.048+/-322.271 χ^2/NDF:57.5/53

Out: 290.697+/-323.048 χ^2/NDF:63.7/56

All: 144.473+/-228.154 χ^2/NDF: 121.7/110



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: 2009.054+/-0.328 χ^2/NDF: 1087530.8/32

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

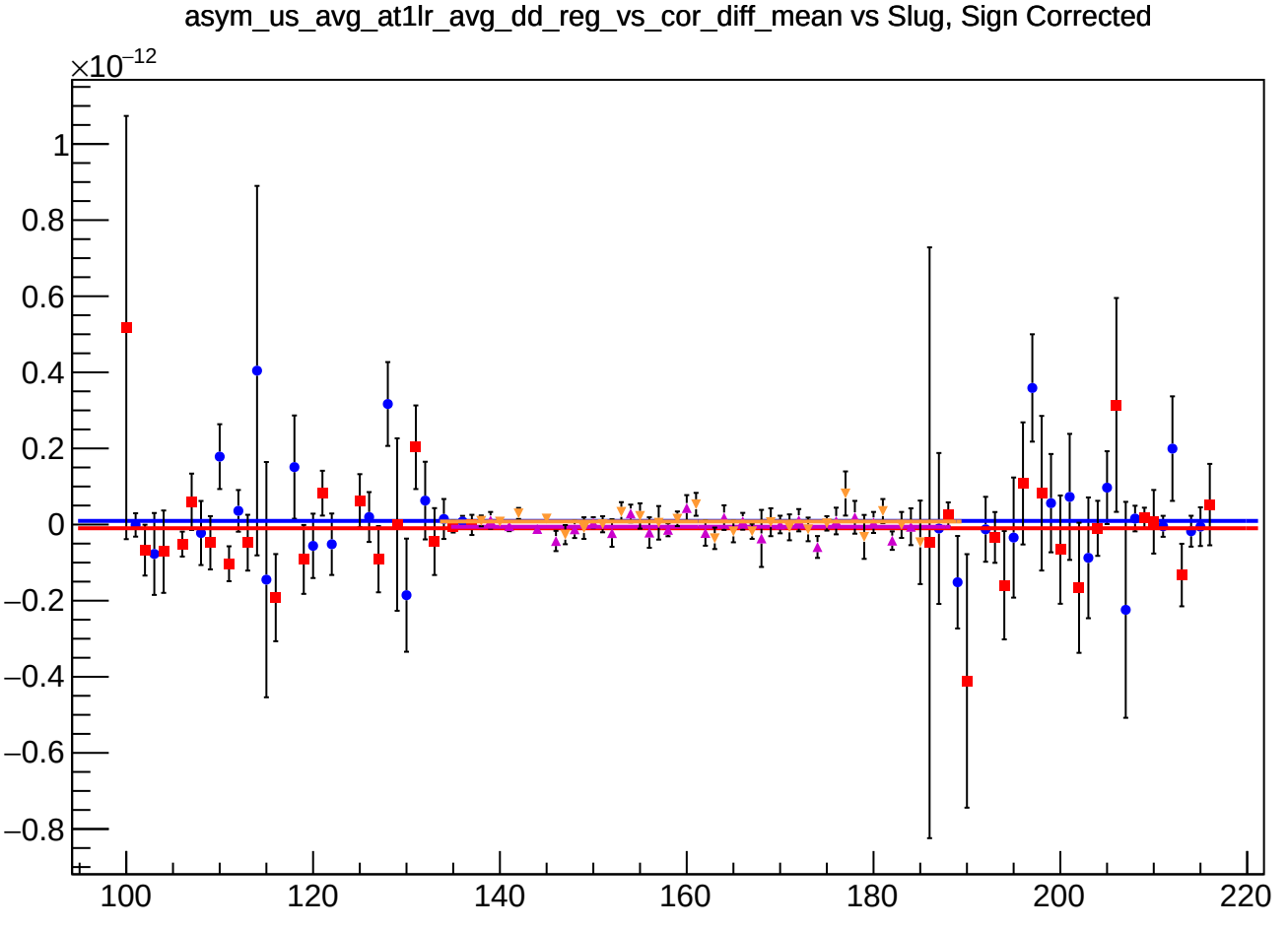
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

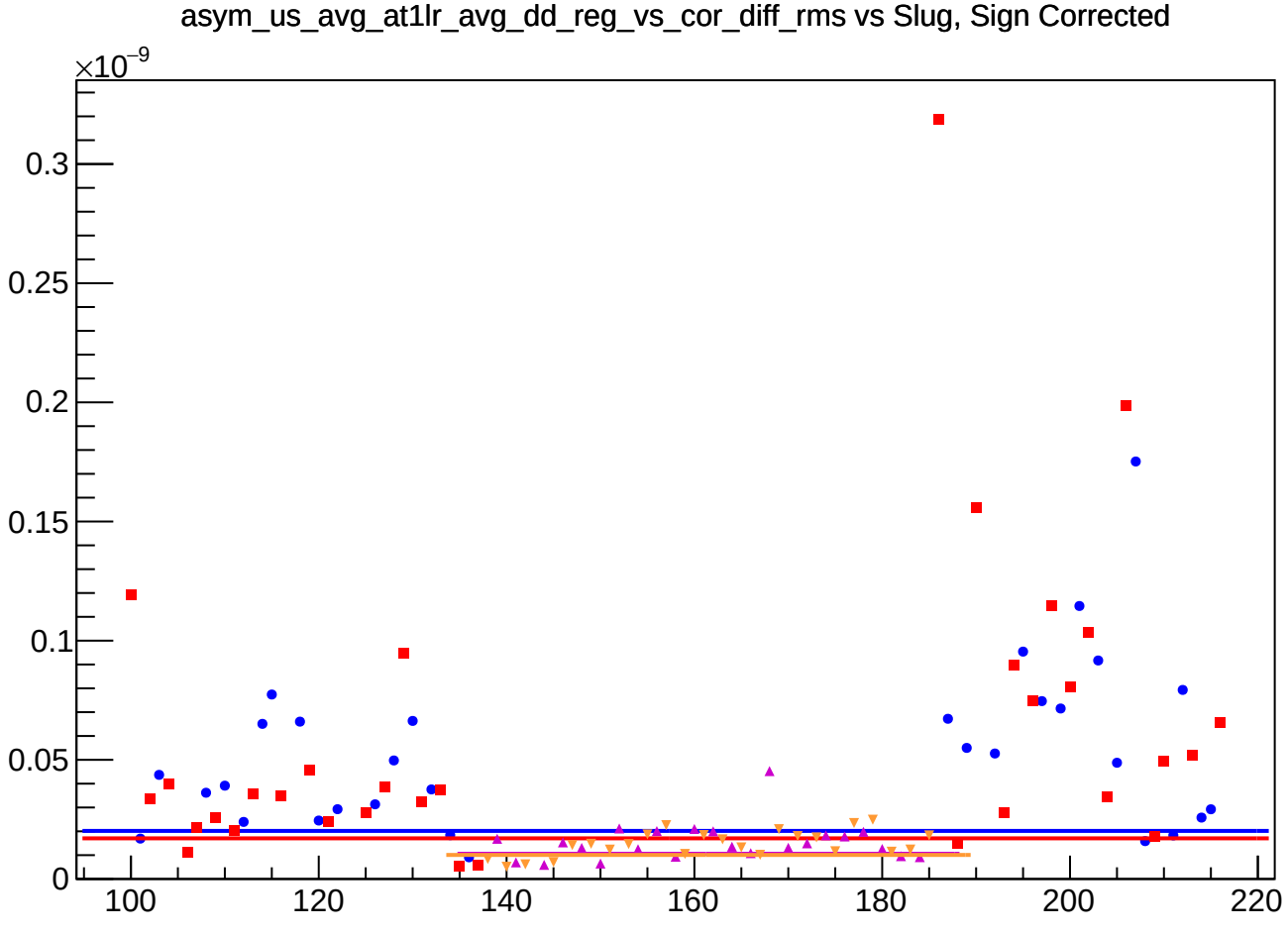
Right: 1997.654+/-0.231 χ^2/NDF: 2313505.2/63

In: 1956.111+/-0.228 χ^2/NDF:1356935.0/53

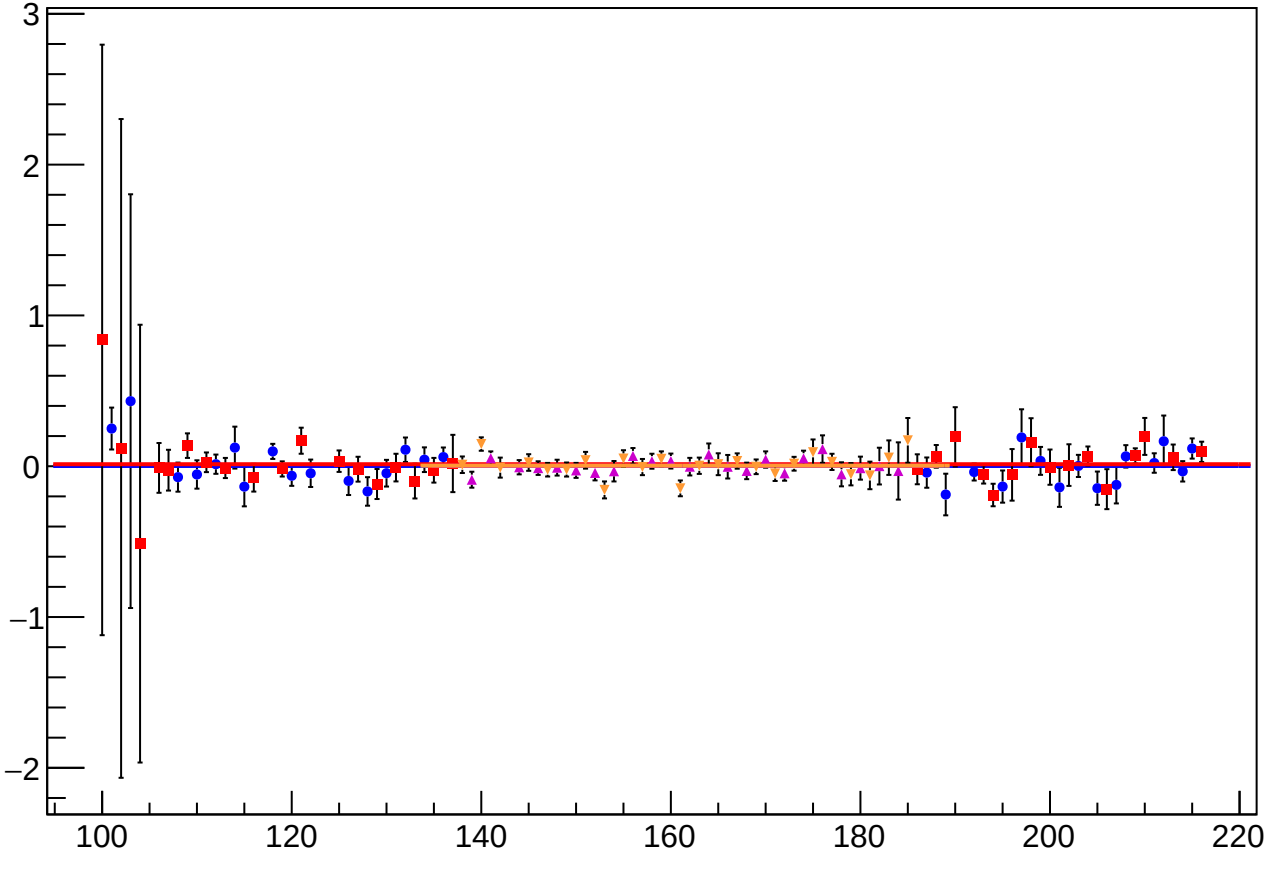
Out: 1970.230+/-0.228 χ^2/NDF:1243164.5/56

All: 1963.153+/-0.161 χ^2/NDF: 2602014.5/11


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 31.0/30
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.7/32
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: 65.0/63
In: -0.000+/-0.000 χ²/NDF:49.9/53
Out: 0.000+/-0.000 χ²/NDF:52.2/56
All: 0.000+/-0.000 χ²/NDF: 103.9/110


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6190225.9/30
Left Out: 0.000+/-0.000 χ²/NDF:2274817.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 7692810.0/32
Left In: 0.000+/-0.000 χ²/NDF:2578668.0/22
Left: 0.000+/-0.000 χ²/NDF: 4866060.2/46
Right: 0.000+/-0.000 χ²/NDF: 13997446.8/63
In: 0.000+/-0.000 χ²/NDF:10452113.9/53
Out: 0.000+/-0.000 χ²/NDF:10926180.1/56
All: 0.000+/-0.000 χ²/NDF: 21439082.6/110

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: 0.013+/-0.015 χ^2/NDF: 29.5/32

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

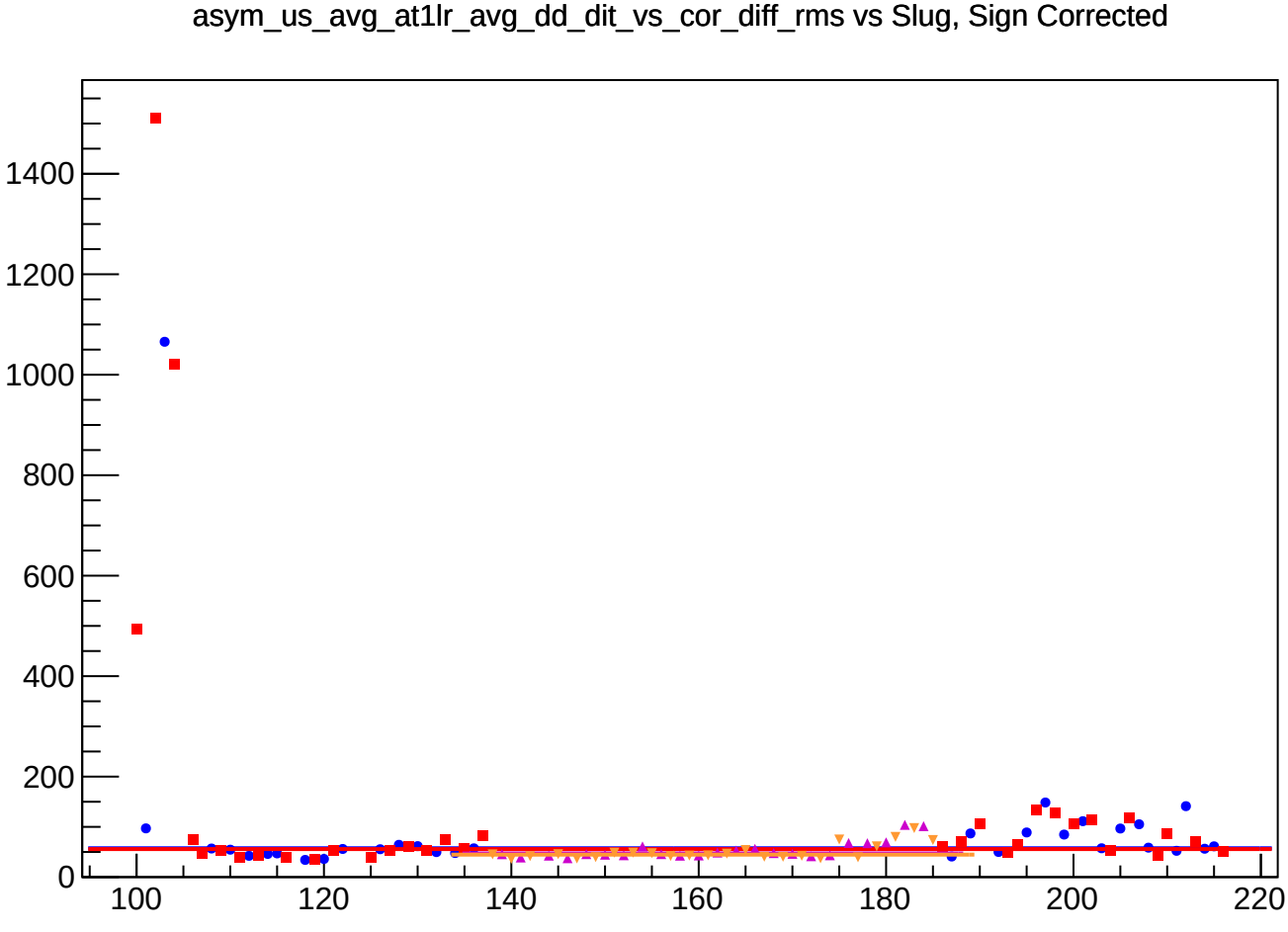
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: 0.008+/-0.011 χ^2/NDF: 62.8/63

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.007+/-0.009 χ^2/NDF:64.8/56

All: 0.005+/-0.007 χ^2/NDF: 112.4/110



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: 55.809+/-0.011 χ^2/NDF: 5276923.2/32

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

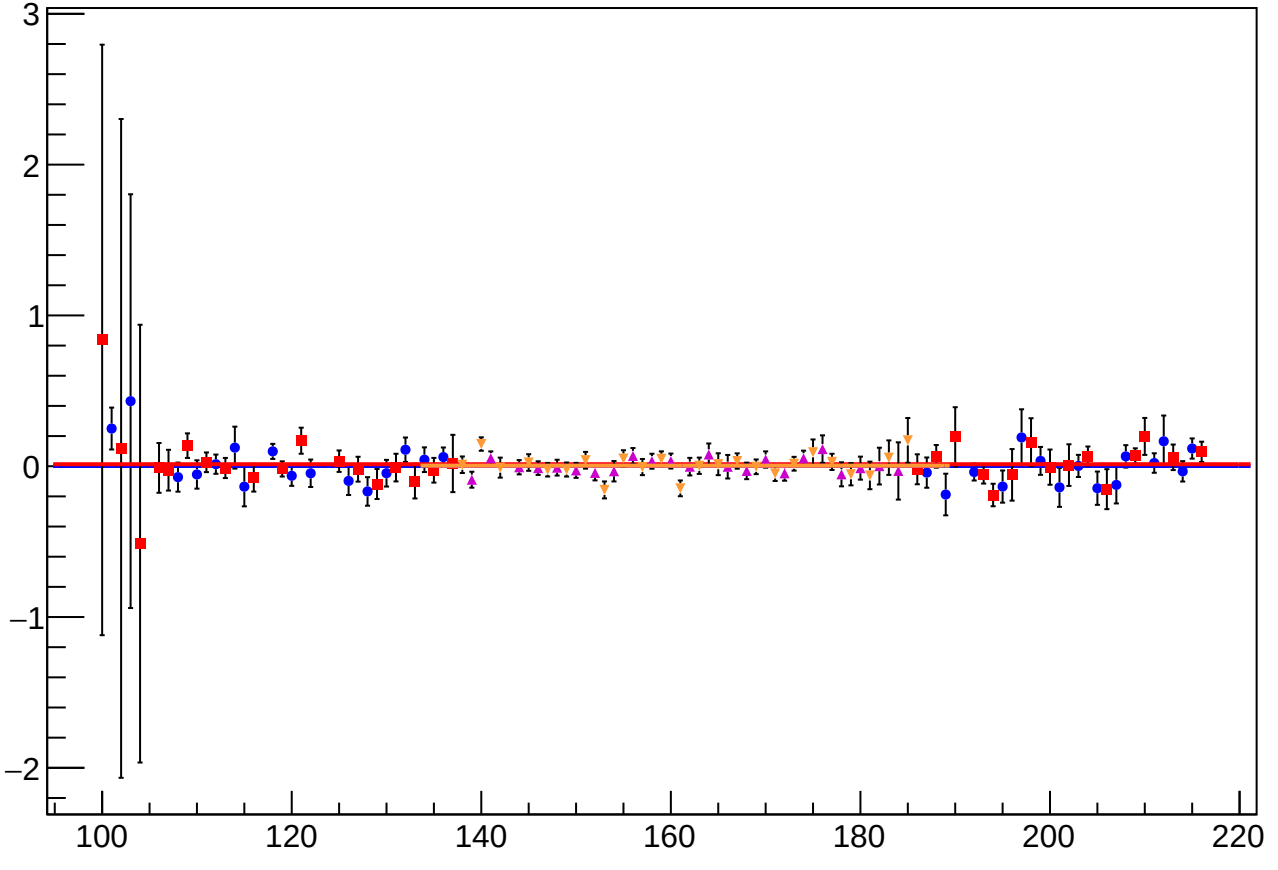
Right: 56.595+/-0.008 χ^2/NDF: 9766992.1/63

In: 50.947+/-0.007 χ^2/NDF:6430759.4/53

Out: 48.723+/-0.007 χ^2/NDF:7426026.6/56

All: 49.810+/-0.005 χ^2/NDF: 13913865.2/110

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: 0.013+/-0.015 χ^2/NDF: 29.5/32

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

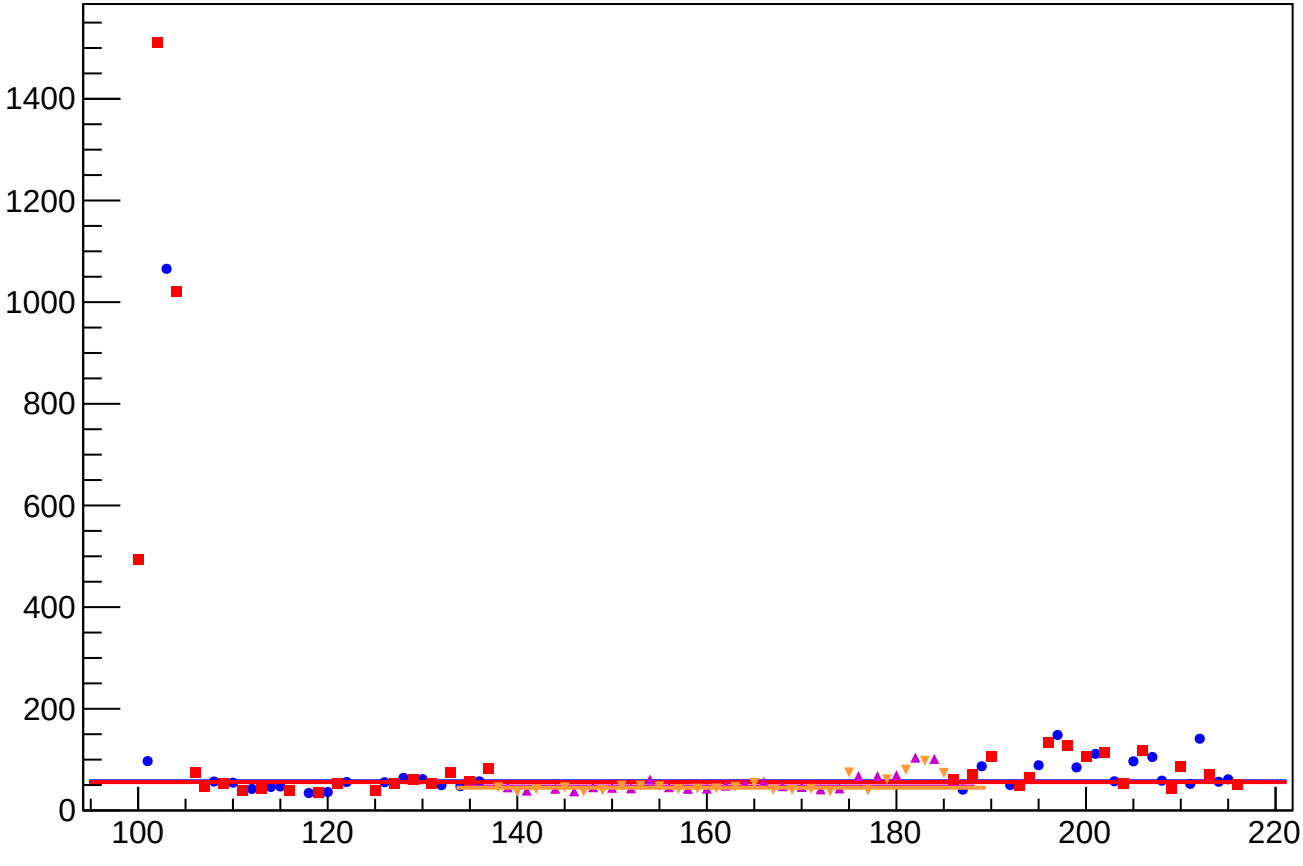
Right: 0.008+/-0.011 χ^2/NDF: 62.8/63

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.007+/-0.009 χ^2/NDF:64.8/56

All: 0.005+/-0.007 χ^2/NDF: 112.4/110

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: 55.809+/-0.011 χ^2/NDF: 5276923.2/32

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

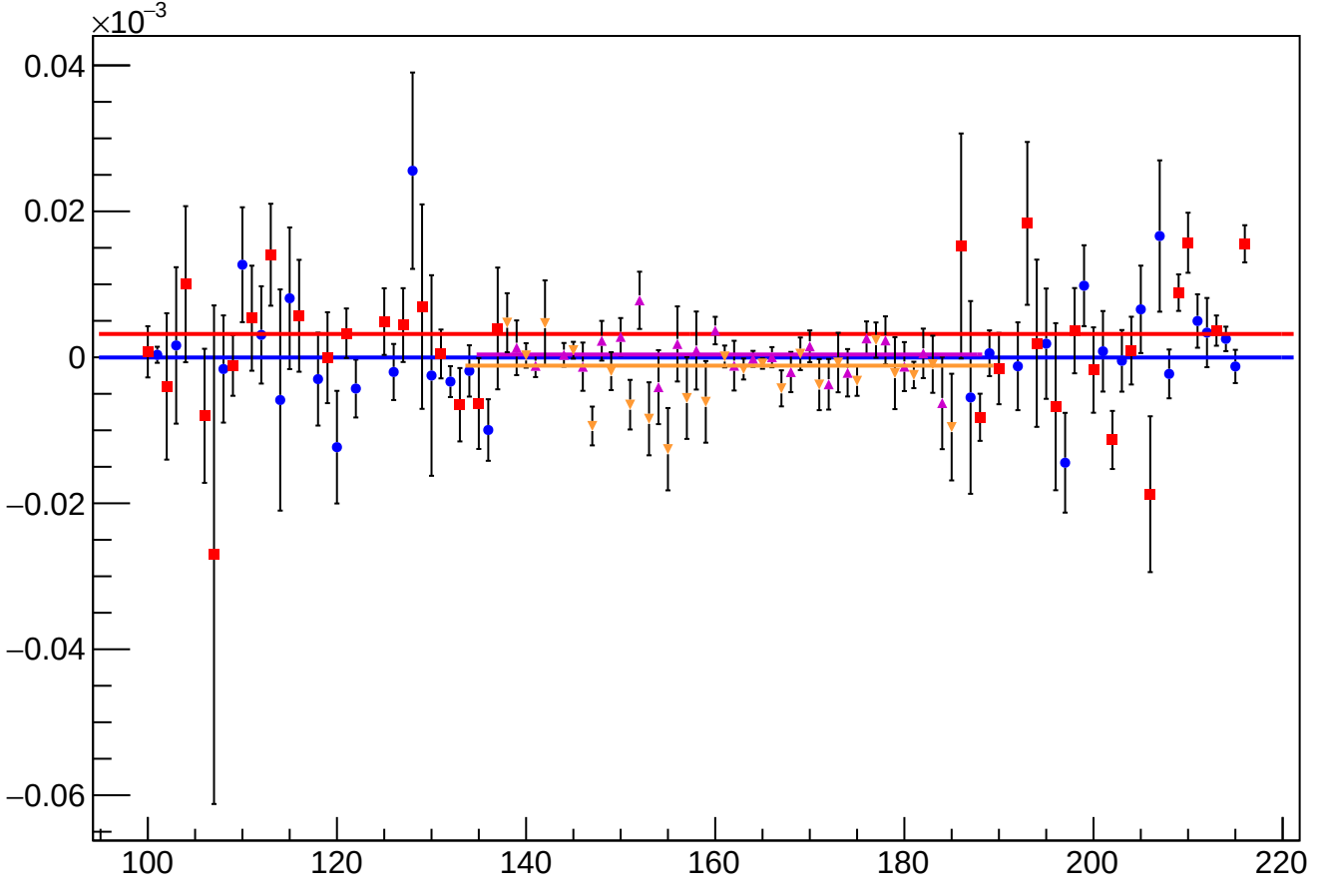
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 56.595+/-0.008 χ^2/NDF: 9766992.1/63

In: 50.947+/-0.007 χ^2/NDF:6430759.4/53

Out: 48.723+/-0.007 χ^2/NDF:7426026.6/56

All: 49.810+/-0.005 χ^2/NDF: 13913865.2/110



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: 87.8/32

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

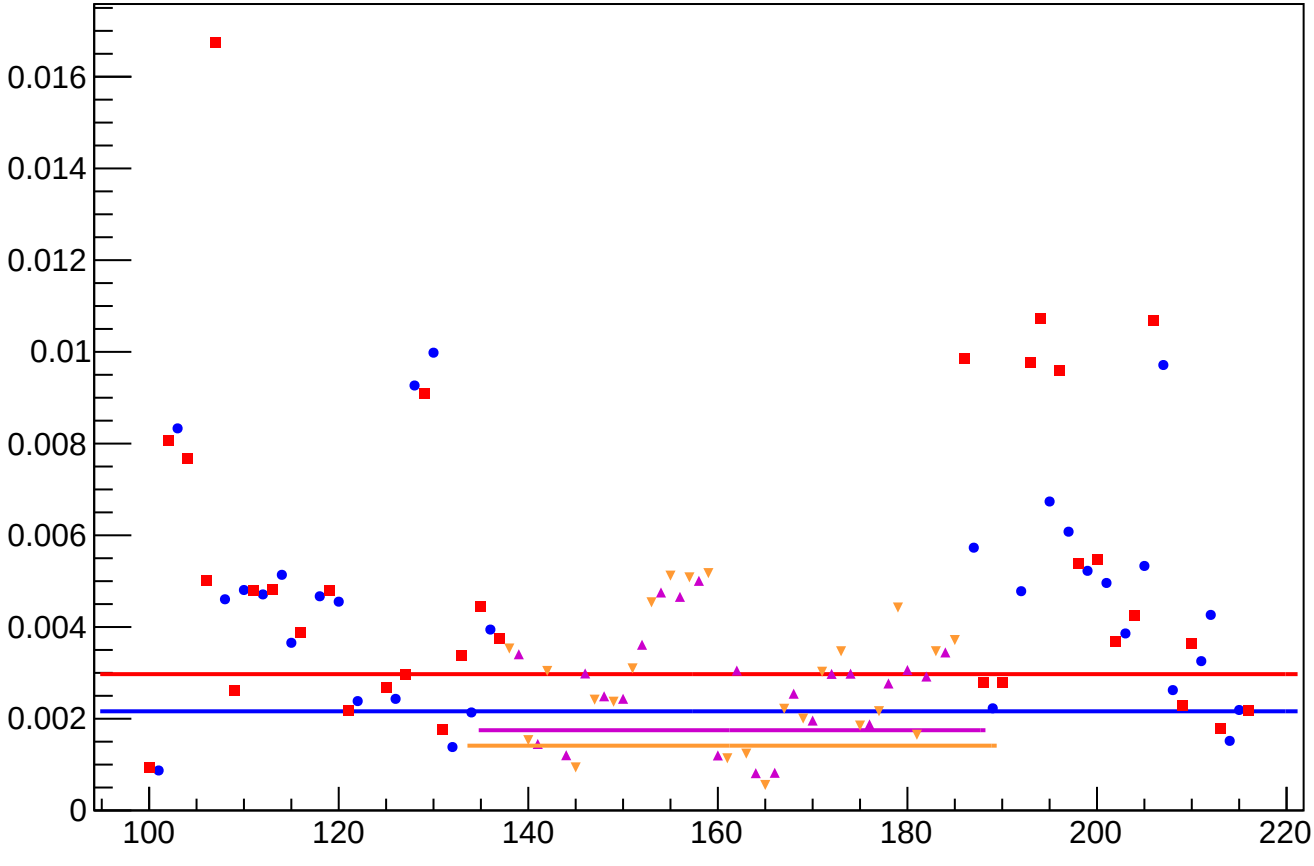
Right: 0.000+/-0.000 χ^2/NDF: 134.9/63

In: 0.000+/-0.000 χ^2/NDF:53.7/53

Out: -0.000+/-0.000 χ^2/NDF:146.7/56

All: -0.000+/-0.000 χ^2/NDF: 201.2/110

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: 9118947.9/32

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

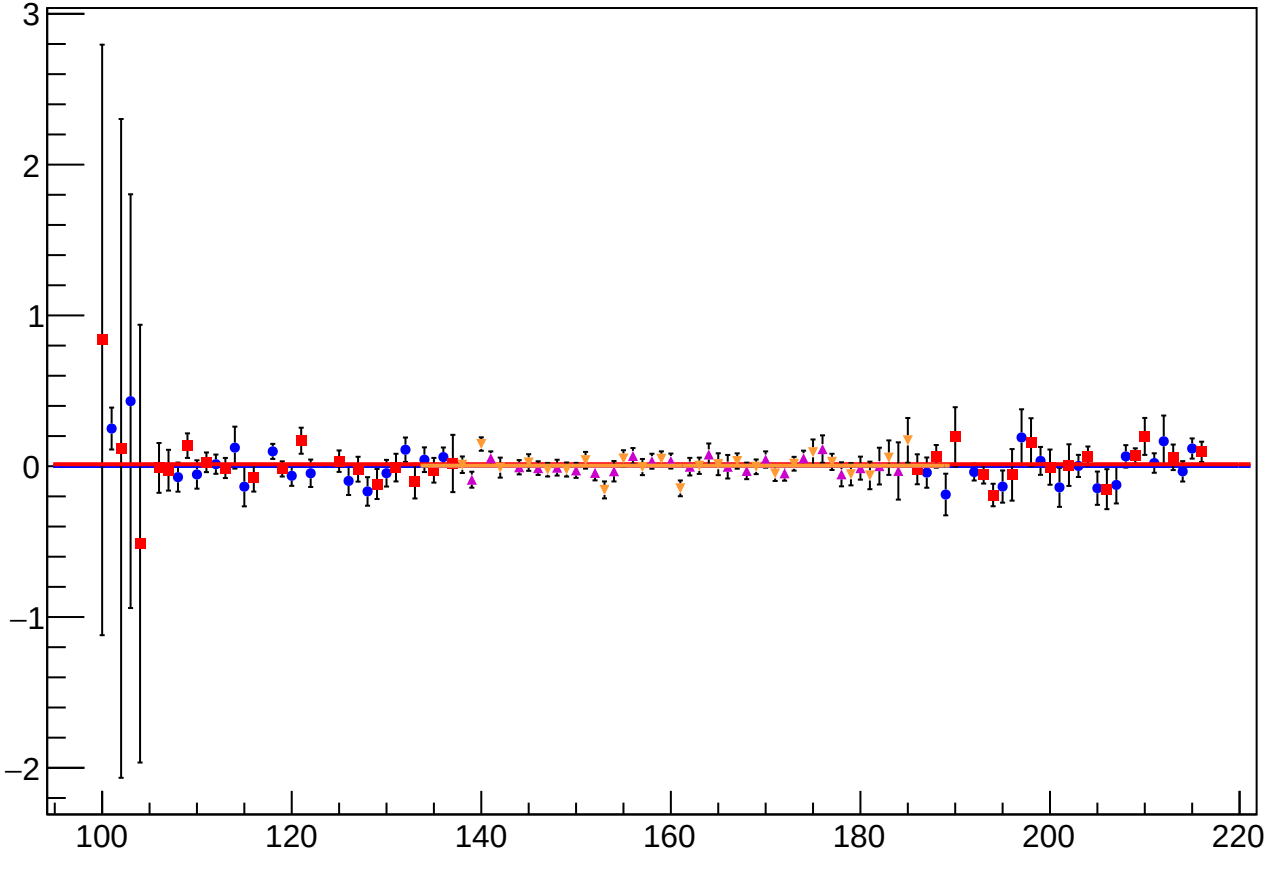
Right: 0.002+/-0.000 χ^2/NDF: 22912956.4/63

In: 0.002+/-0.000 χ^2/NDF:21305239.3/53

Out: 0.002+/-0.000 χ^2/NDF:26688462.3/56

All: 0.002+/-0.000 χ^2/NDF: 48201417.7/110

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: 0.013+/-0.015 χ^2/NDF: 29.5/32

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

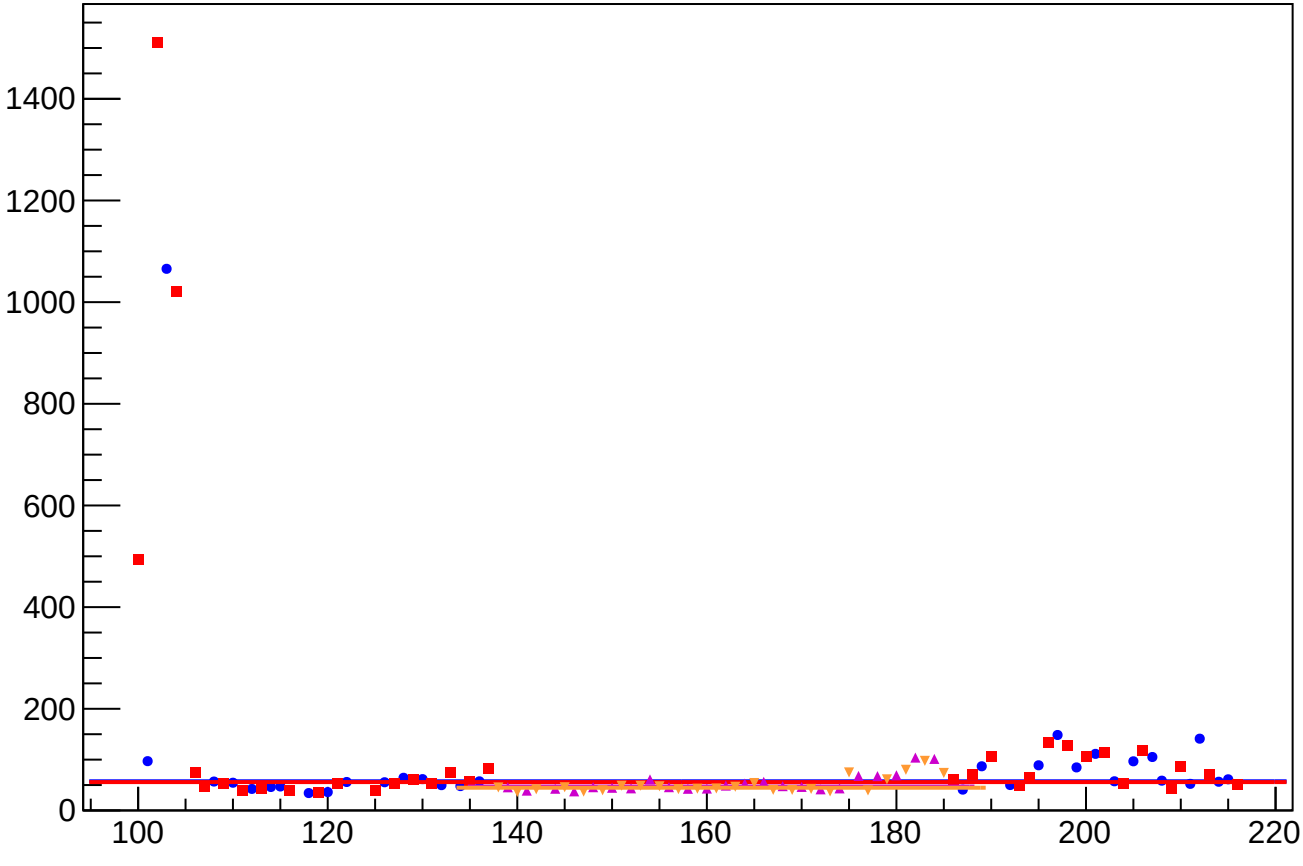
Right: 0.008+/-0.011 χ^2/NDF: 62.8/63

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.007+/-0.009 χ^2/NDF:64.8/56

All: 0.005+/-0.007 χ^2/NDF: 112.4/110

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: 55.808+/-0.011 χ^2/NDF: 5277109.5/32

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

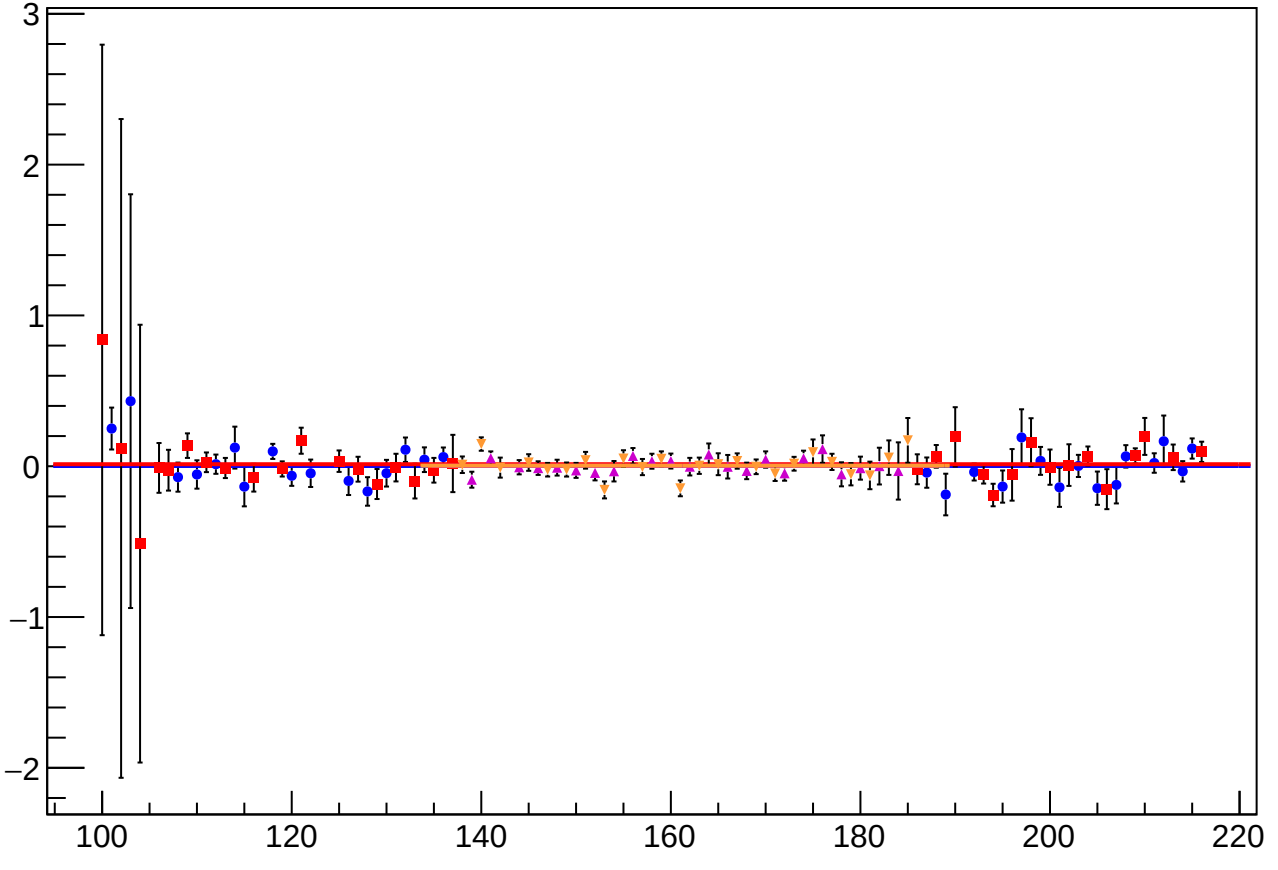
Right: 56.595+/-0.008 χ^2/NDF: 9767263.6/63

In: 50.947+/-0.007 χ^2/NDF:6430893.6/53

Out: 48.723+/-0.007 χ^2/NDF:7426095.4/56

All: 49.810+/-0.005 χ^2/NDF: 13914060.1/110

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: 0.013+/-0.015 χ^2/NDF: 29.5/32

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

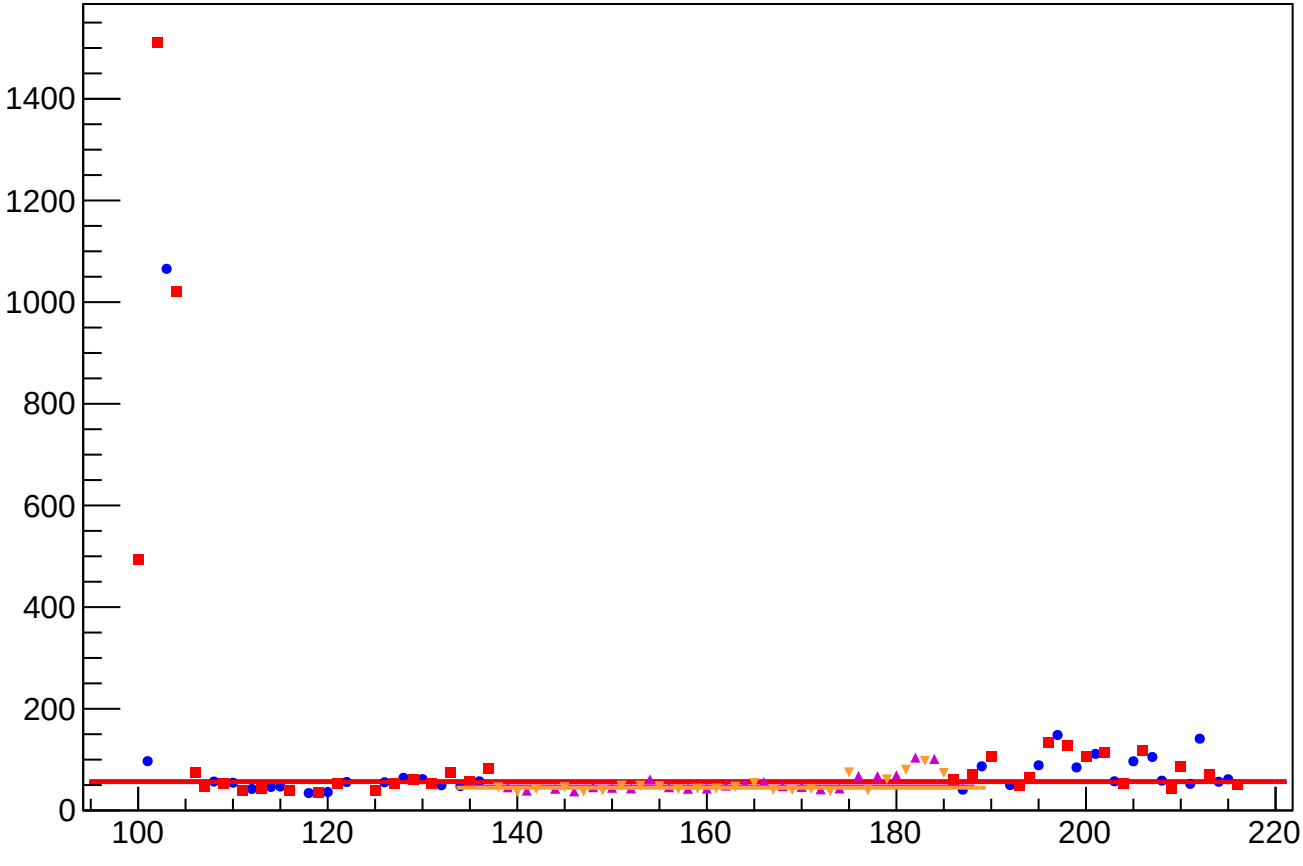
Right: 0.008+/-0.011 χ^2/NDF: 62.8/63

In: 0.002+/-0.009 χ^2/NDF:47.5/53

Out: 0.007+/-0.009 χ^2/NDF:64.8/56

All: 0.005+/-0.007 χ^2/NDF: 112.4/110

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: 55.808+/-0.011 χ^2/NDF: 5277109.5/32

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

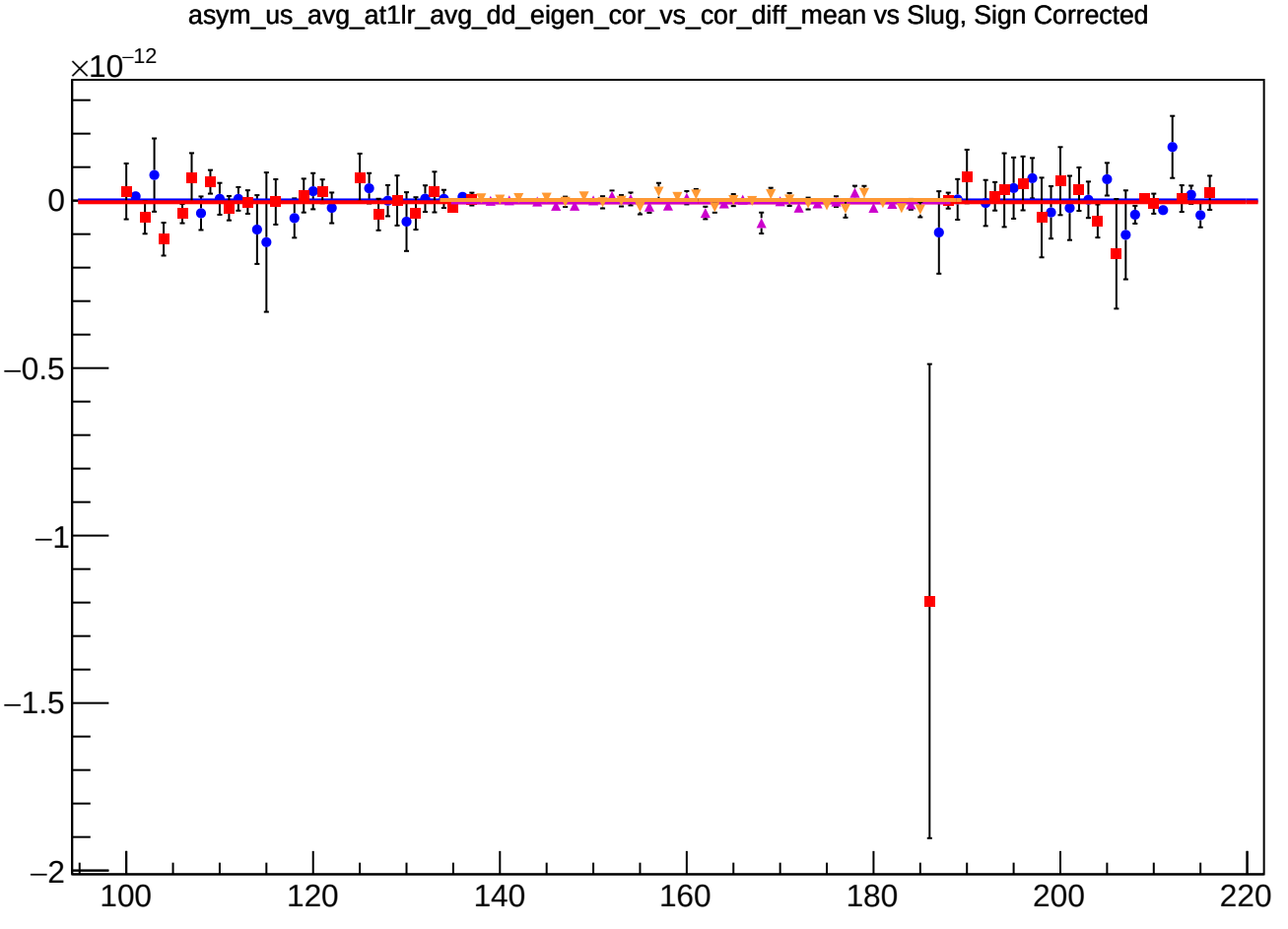
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 56.595+/-0.008 χ^2/NDF: 9767263.6/63

In: 50.947+/-0.007 χ^2/NDF:6430893.6/53

Out: 48.723+/-0.007 χ^2/NDF:7426095.4/56

All: 49.810+/-0.005 χ^2/NDF: 13914060.1/110



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: 25.9/32

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

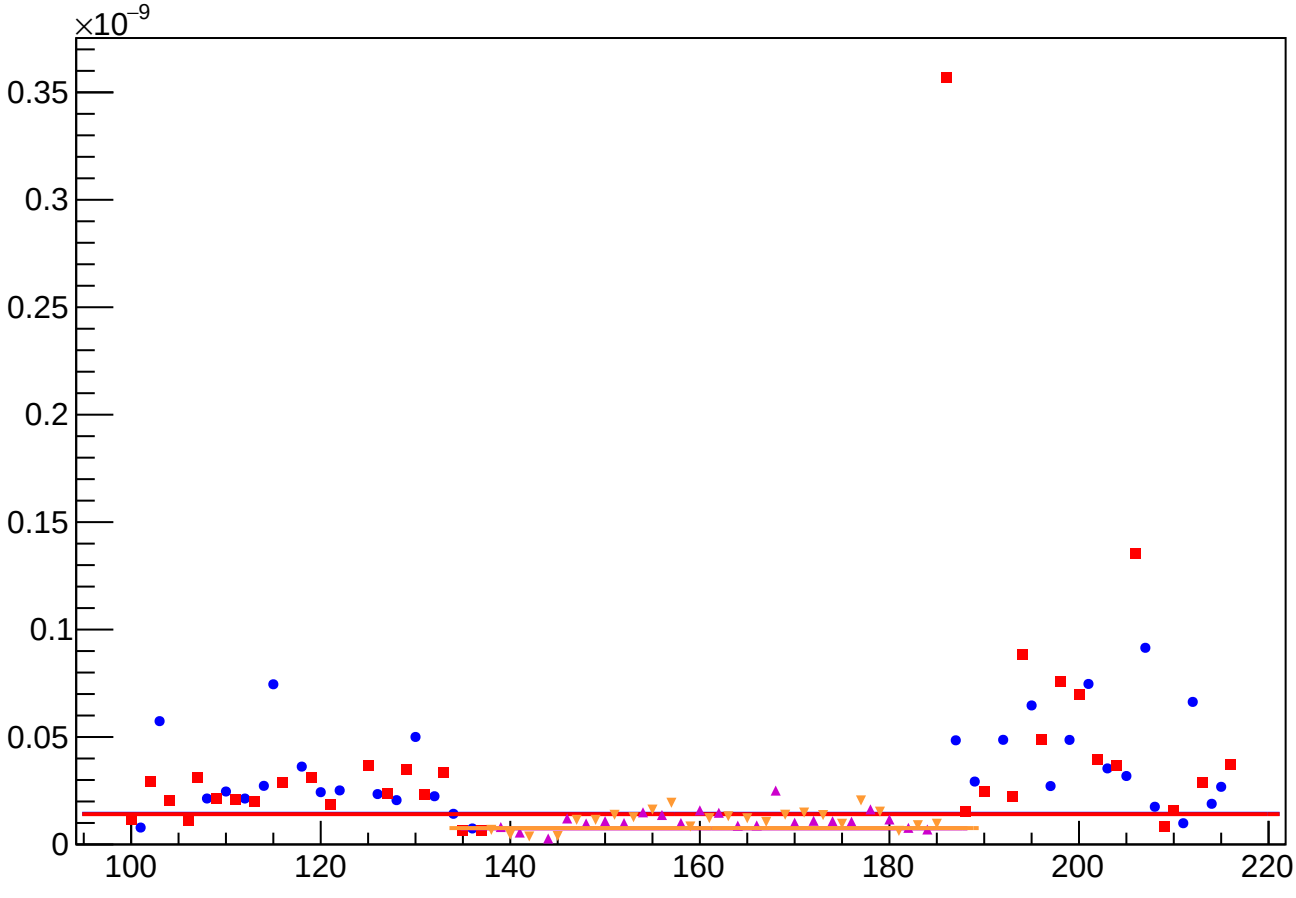
Right: -0.000+/-0.000 χ^2/NDF: 49.4/63

In: -0.000+/-0.000 χ^2/NDF:41.8/53

Out: 0.000+/-0.000 χ^2/NDF:47.7/56

All: -0.000+/-0.000 χ^2/NDF: 92.1/110

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8269984.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9009573.7/32

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

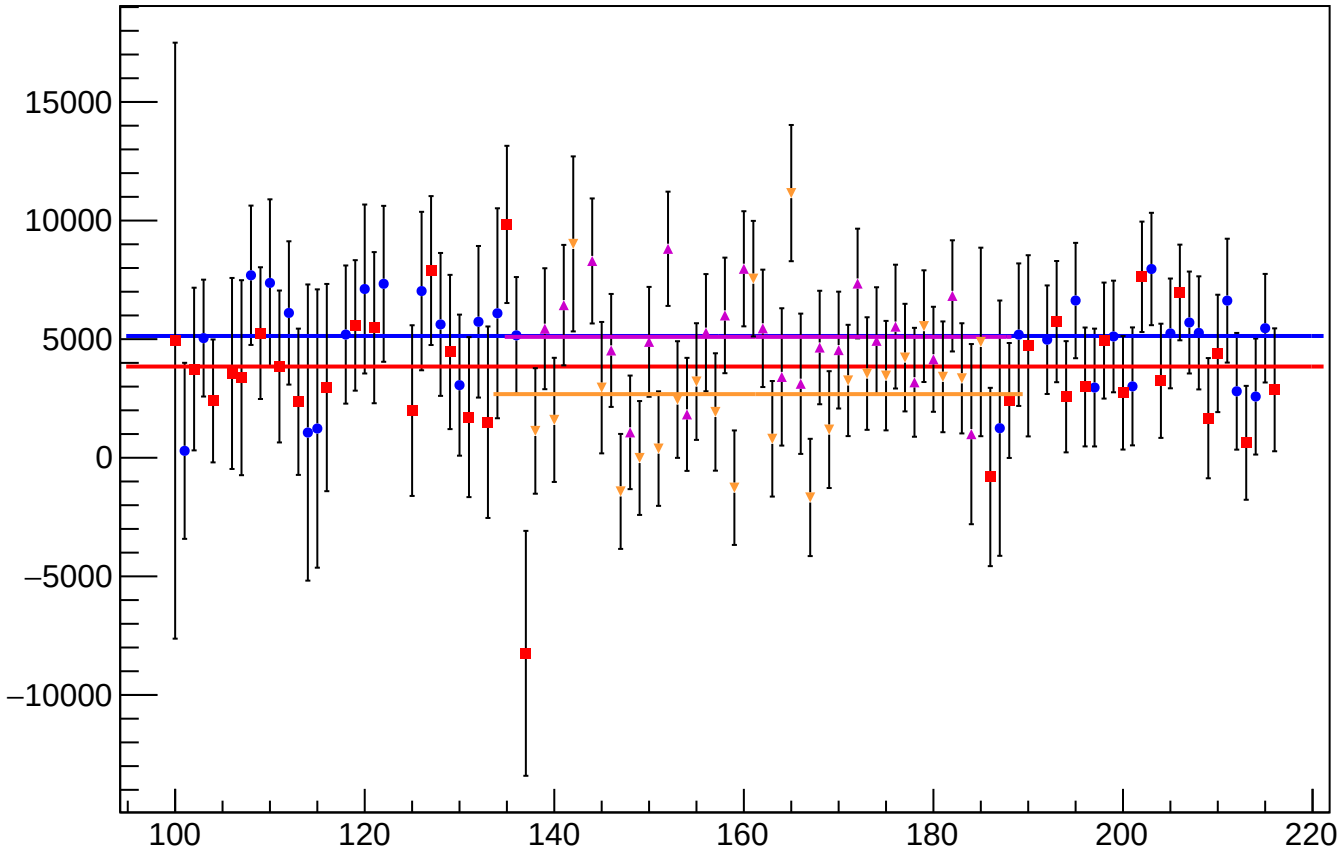
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 17280499.1/63

In: 0.000+/-0.000 χ^2/NDF:16843966.9/53

Out: 0.000+/-0.000 χ^2/NDF:16862368.1/56

All: 0.000+/-0.000 χ^2/NDF: 33708012.0/110



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: 3845.716+/-505.185 χ^2/NDF: 24.1/32

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

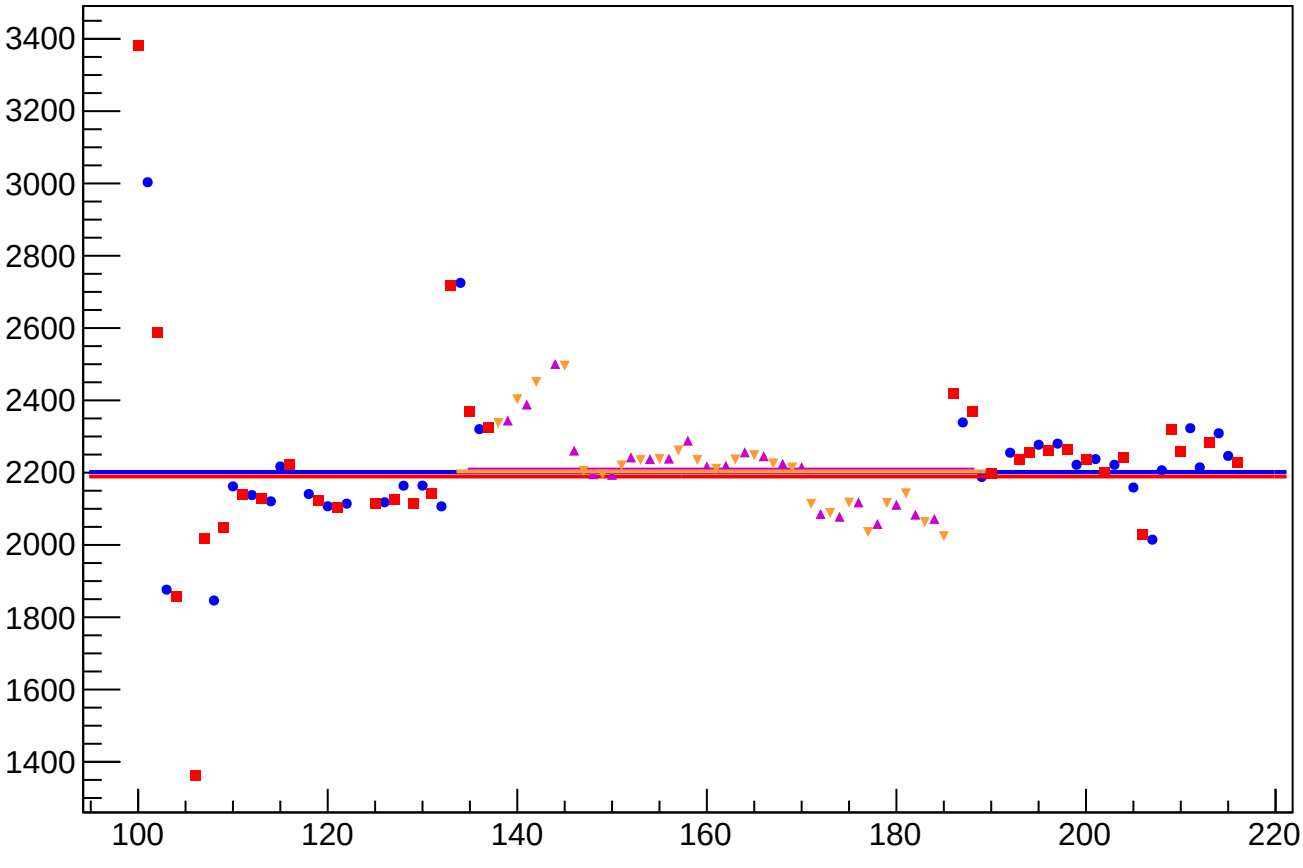
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4492.721+/-356.454 χ^2/NDF: 39.1/63

In: 5115.807+/-360.271 χ^2/NDF:26.7/53

Out: 3272.107+/-359.612 χ^2/NDF:57.6/56

All: 4192.268+/-254.517 χ^2/NDF: 97.4/110



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: 2189.408+/-0.355 χ^2/NDF: 336451.6/32

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

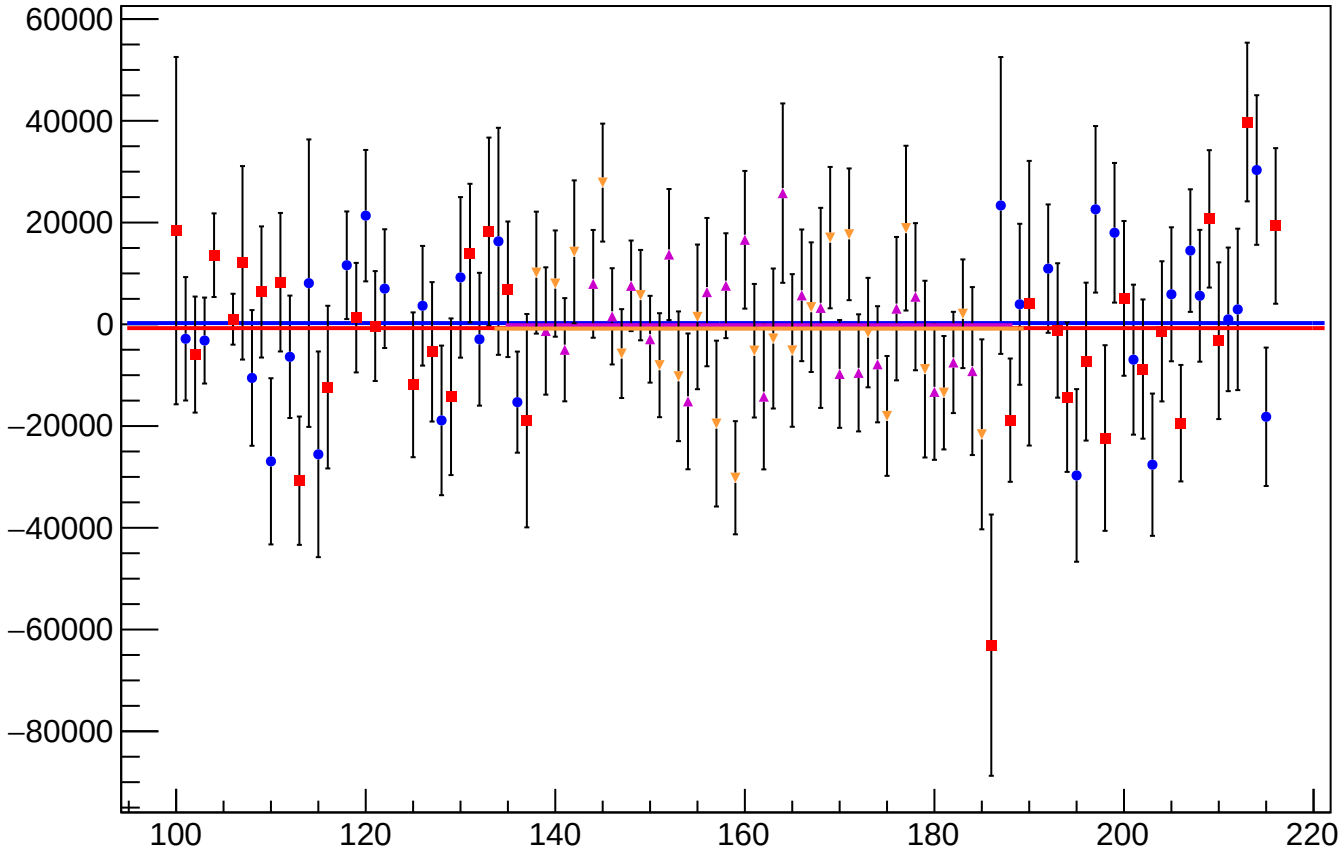
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2195.626+/-0.251 χ^2/NDF: 567915.7/63

In: 2205.040+/-0.255 χ^2/NDF:312006.6/53

Out: 2196.215+/-0.253 χ^2/NDF:425410.2/56

All: 2200.605+/-0.180 χ^2/NDF: 738019.9/110



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: -752.834+/-2217.455 χ^2/NDF: 40.7/32

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

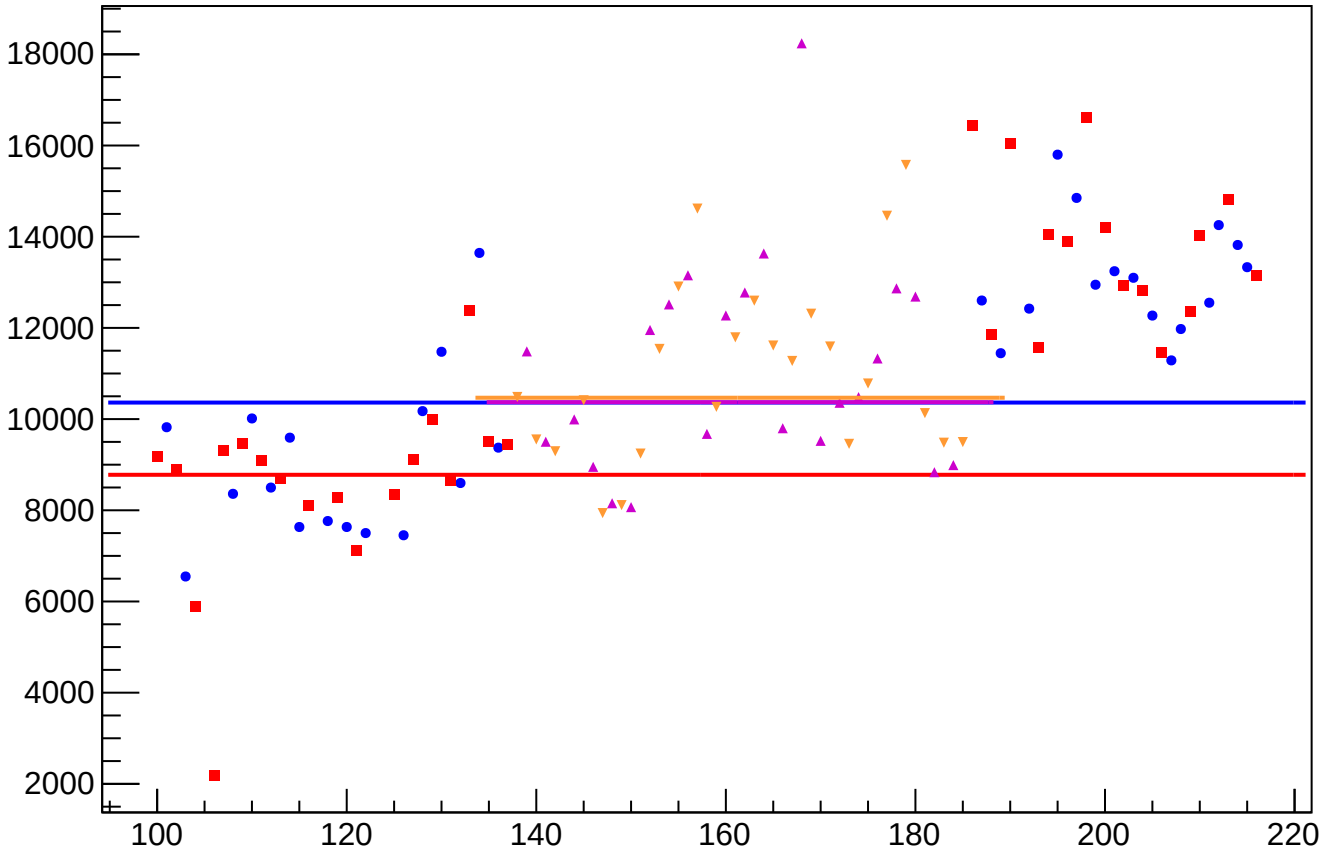
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

Right: -303.974+/-1640.428 χ^2/NDF: 75.8/63

In: 30.947+/-1735.564 χ^2/NDF:48.8/53

Out: -788.642+/-1653.468 χ^2/NDF:70.1/56

All: -398.690+/-1197.150 χ^2/NDF: 119.0/110



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: 8778.468+/-1.568 χ^2/NDF: 6823496.3/32

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

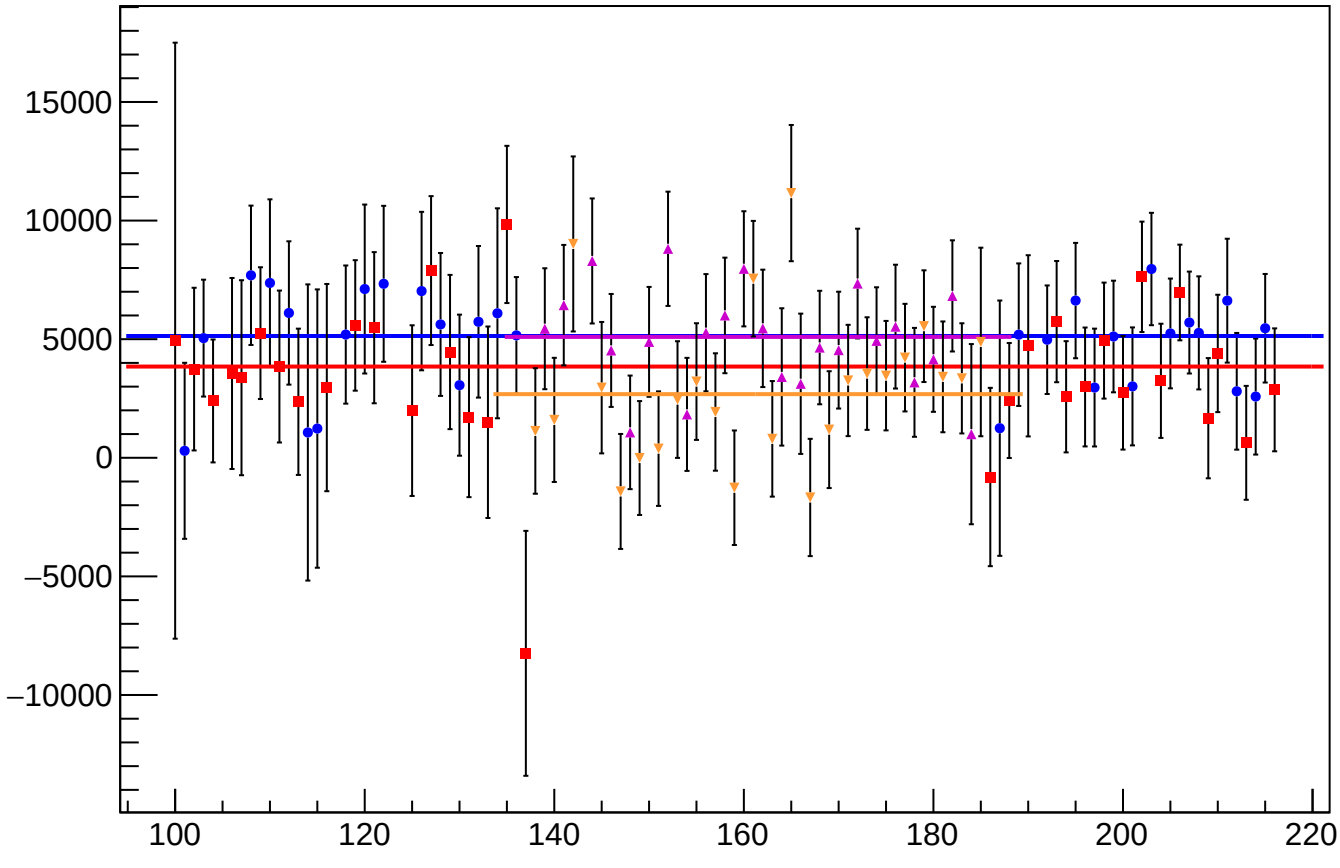
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9495.591+/-1.160 χ^2/NDF: 9504651.0/63

In: 10366.629+/-1.227 χ^2/NDF:3422893.4/53

Out: 9528.905+/-1.169 χ^2/NDF:8384664.8/56

All: 9927.486+/-0.847 χ^2/NDF: 12051820.0/1



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: 3845.626+/-505.185 χ^2/NDF: 24.1/32

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

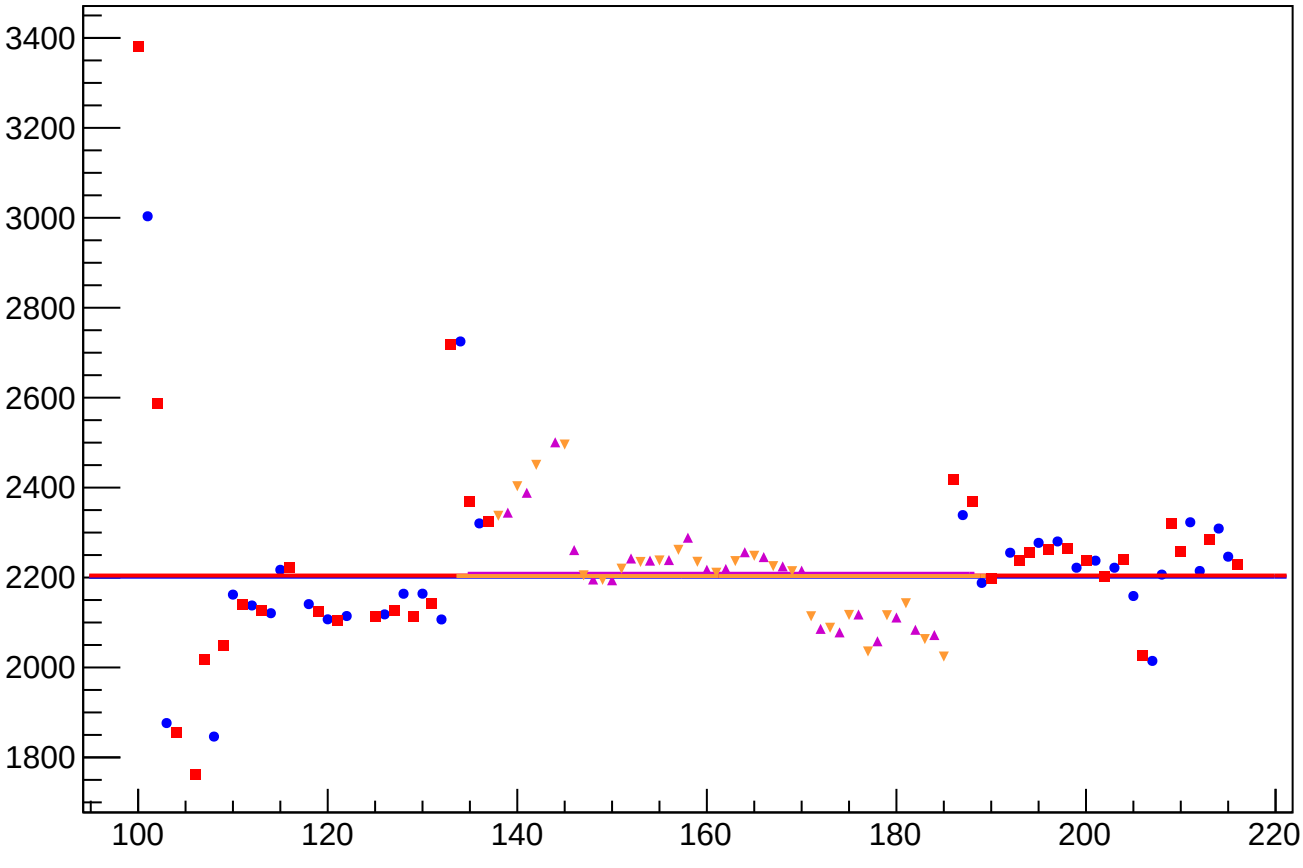
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4492.686+/-356.454 χ^2/NDF: 39.1/63

In: 5115.771+/-360.271 χ^2/NDF:26.7/53

Out: 3272.022+/-359.612 χ^2/NDF:57.6/56

All: 4192.208+/-254.517 χ^2/NDF: 97.4/110



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: 2204.427+/-0.357 χ^2/NDF: 210881.5/32

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

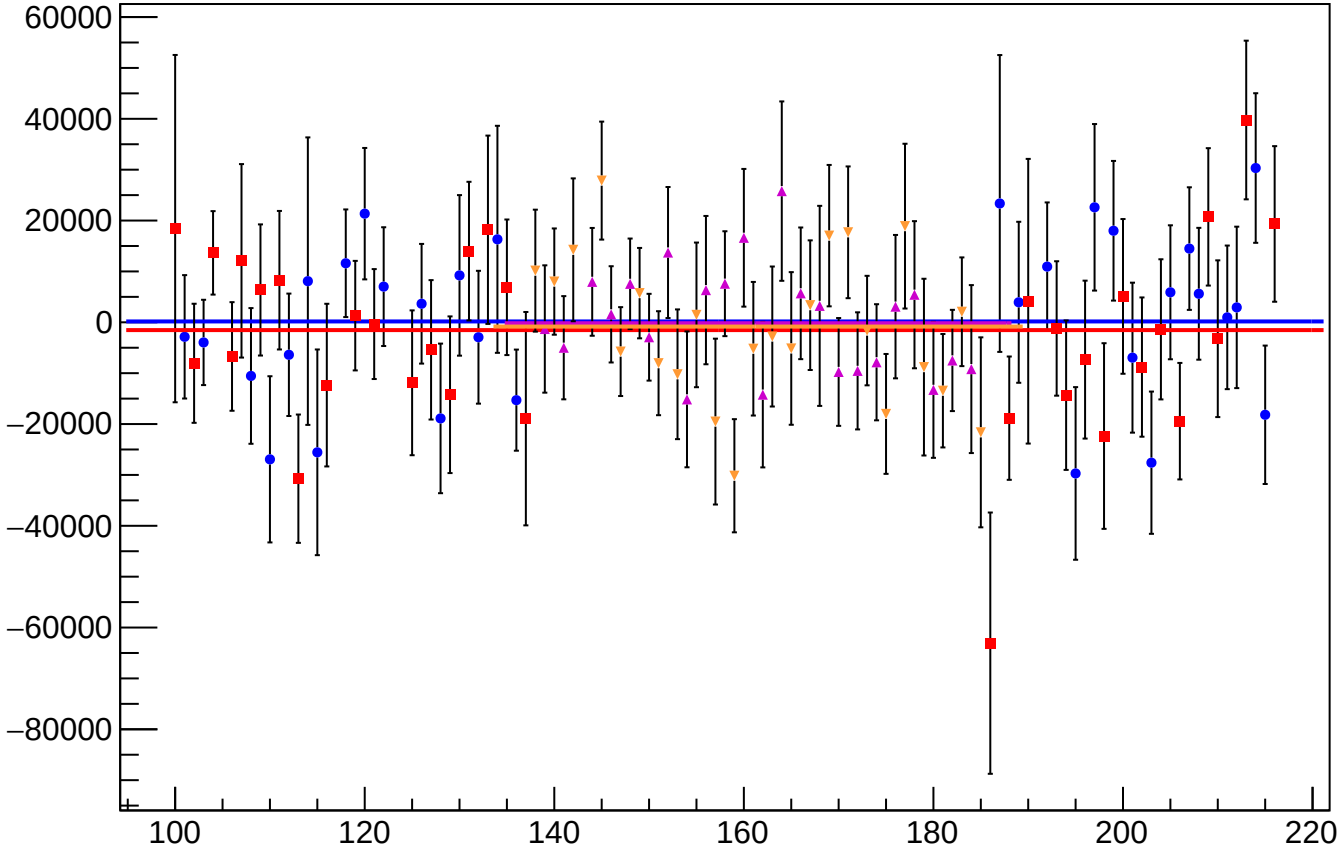
Right: 2203.146+/-0.252 χ^2/NDF: 441756.8/63

In: 2205.040+/-0.255 χ^2/NDF:312007.0/53

Out: 2203.871+/-0.254 χ^2/NDF:299094.7/56

All: 2204.454+/-0.180 χ^2/NDF: 611112.3/110

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: -1532.198+/-2412.414 χ^2/NDF: 41.0/32

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

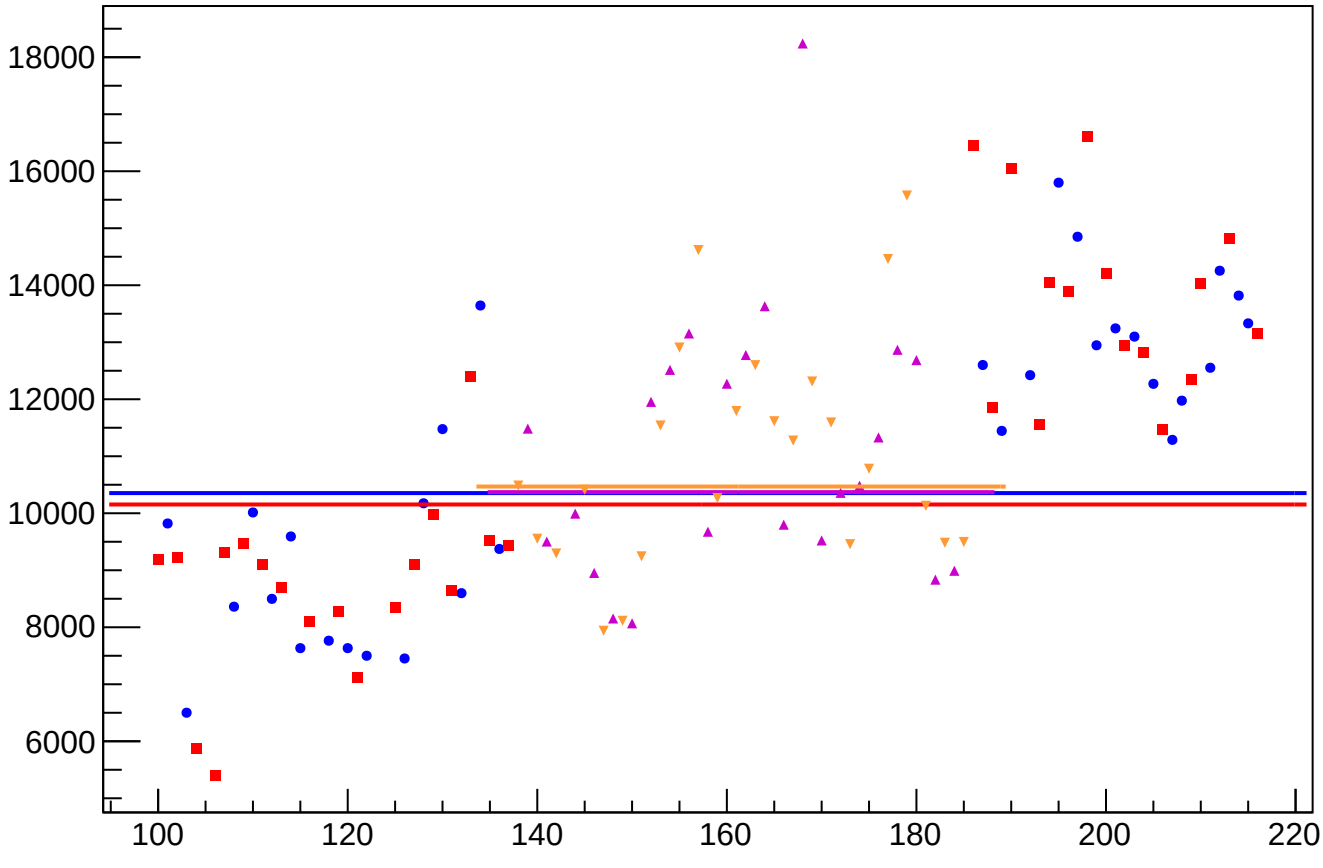
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

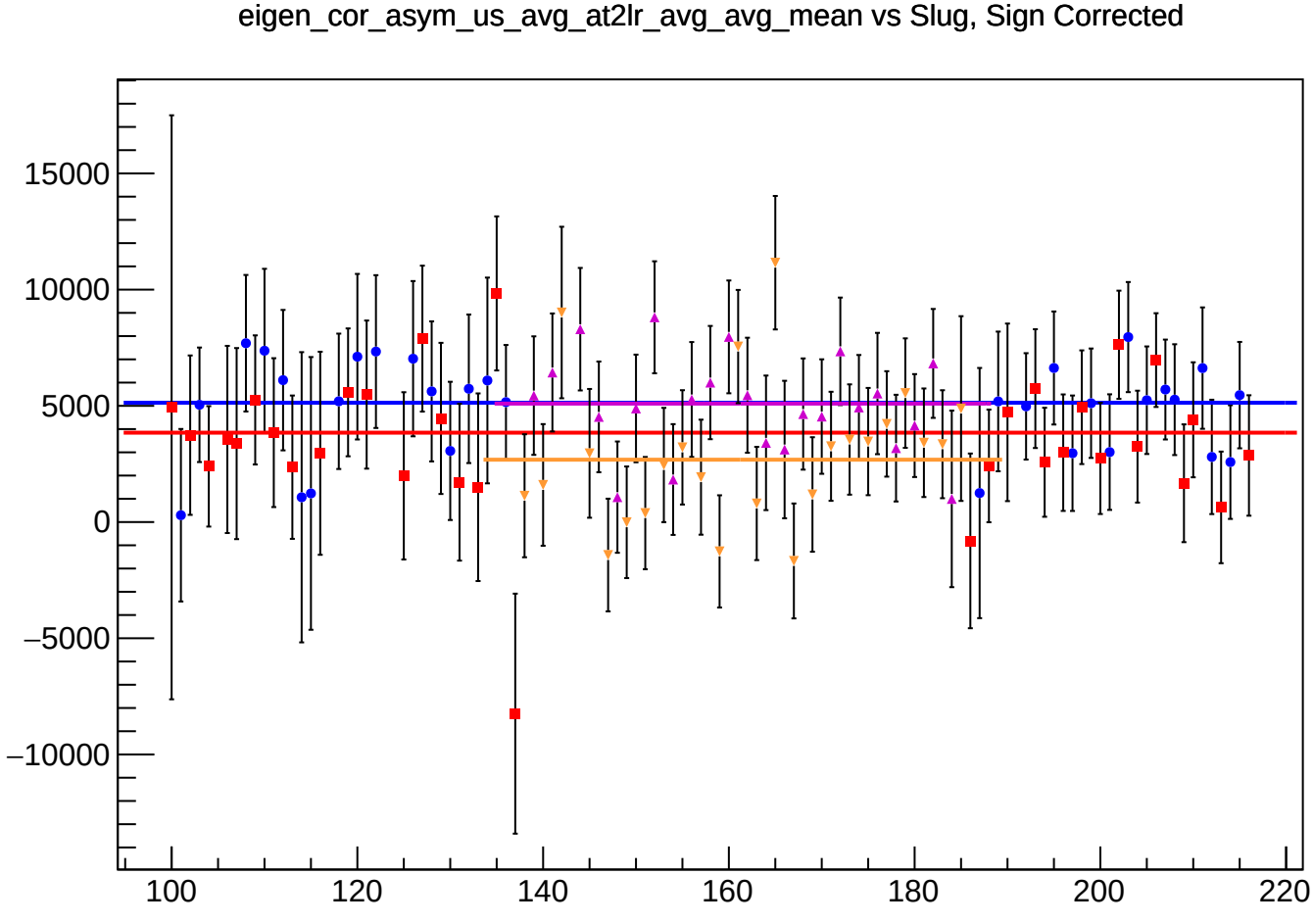
Right: -689.677+/-1714.276 χ^2/NDF: 76.3/63

In: -3.822+/-1735.000 χ^2/NDF:48.9/53

Out: -1192.685+/-1729.732 χ^2/NDF:70.5/56

All: -600.061+/-1224.964 χ^2/NDF: 119.6/110


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 10353.579+/-1.723 χ²/NDF: 2235691.1/30
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 10153.888+/-1.706 χ²/NDF: 2897149.5/32
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 10252.743+/-1.212 χ²/NDF: 5139624.5/63
In: 10362.110+/-1.227 χ²/NDF:3439504.6/53
Out: 10306.841+/-1.223 χ²/NDF:3958954.4/56
All: 10334.392+/-0.866 χ²/NDF: 7399476.9/1



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: 3845.626+/-505.185 χ^2/NDF: 24.1/32

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

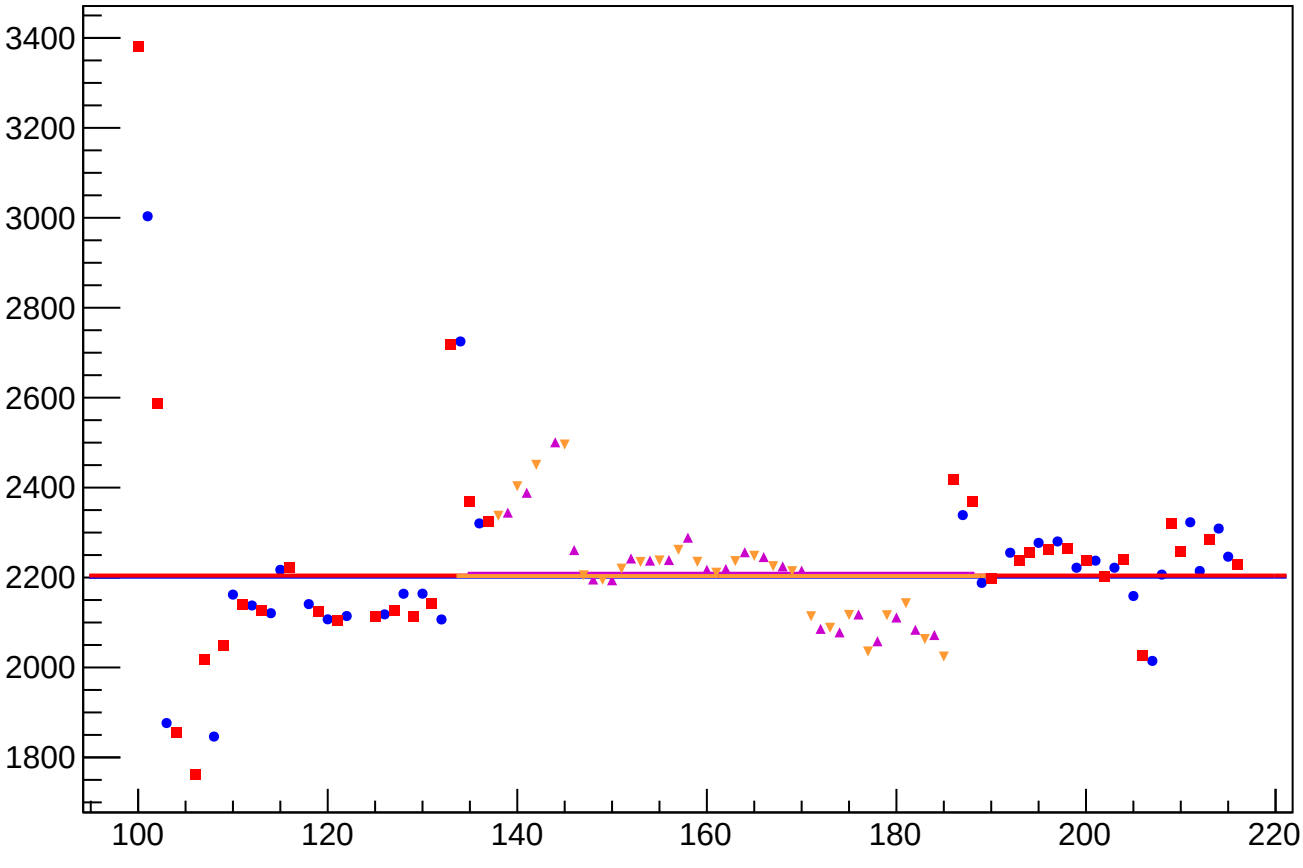
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4492.686+/-356.454 χ^2/NDF: 39.1/63

In: 5115.771+/-360.271 χ^2/NDF:26.7/53

Out: 3272.022+/-359.612 χ^2/NDF:57.6/56

All: 4192.208+/-254.517 χ^2/NDF: 97.4/110



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: 2204.427+/-0.357 χ^2/NDF: 210881.5/32

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

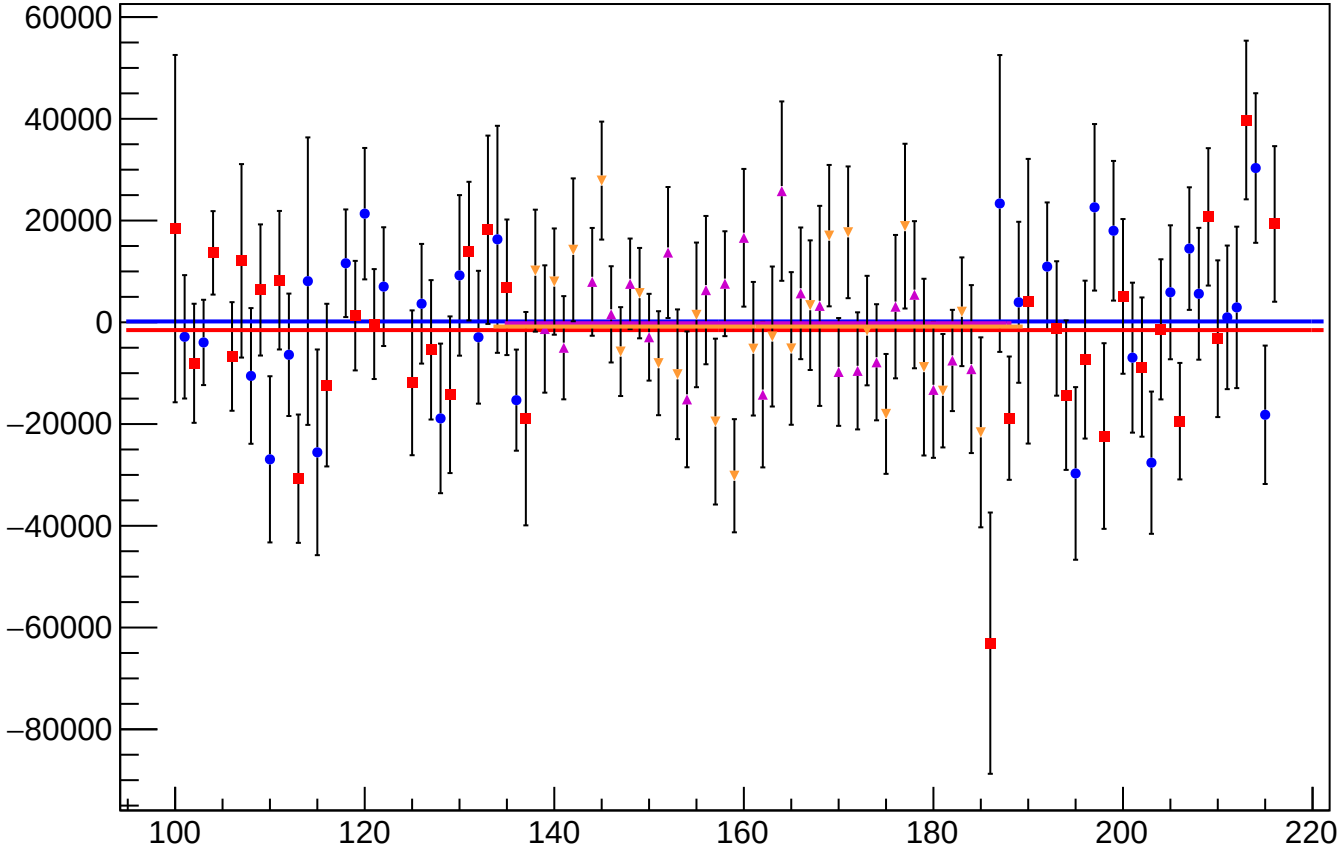
Right: 2203.146+/-0.252 χ^2/NDF: 441756.8/63

In: 2205.040+/-0.255 χ^2/NDF:312007.0/53

Out: 2203.871+/-0.254 χ^2/NDF:299094.7/56

All: 2204.454+/-0.180 χ^2/NDF: 611112.3/110

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: -1532.198+/-2412.414 χ^2/NDF: 41.0/32

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

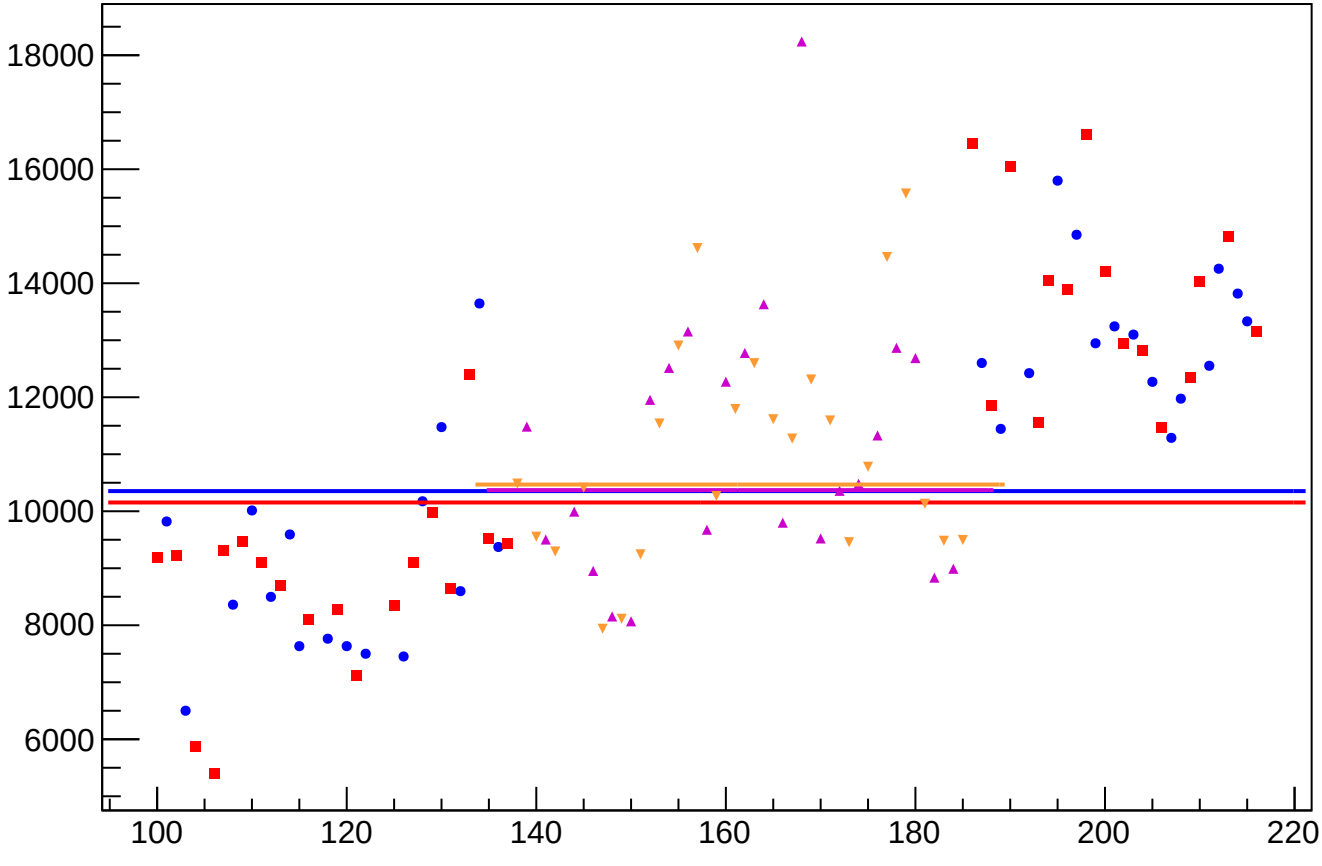
Right: -689.677+/-1714.276 χ^2/NDF: 76.3/63

In: -3.822+/-1735.000 χ^2/NDF:48.9/53

Out: -1192.685+/-1729.732 χ^2/NDF:70.5/56

All: -600.061+/-1224.964 χ^2/NDF: 119.6/110

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: 10153.888+/-1.706 χ^2/NDF: 2897149.5/32

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

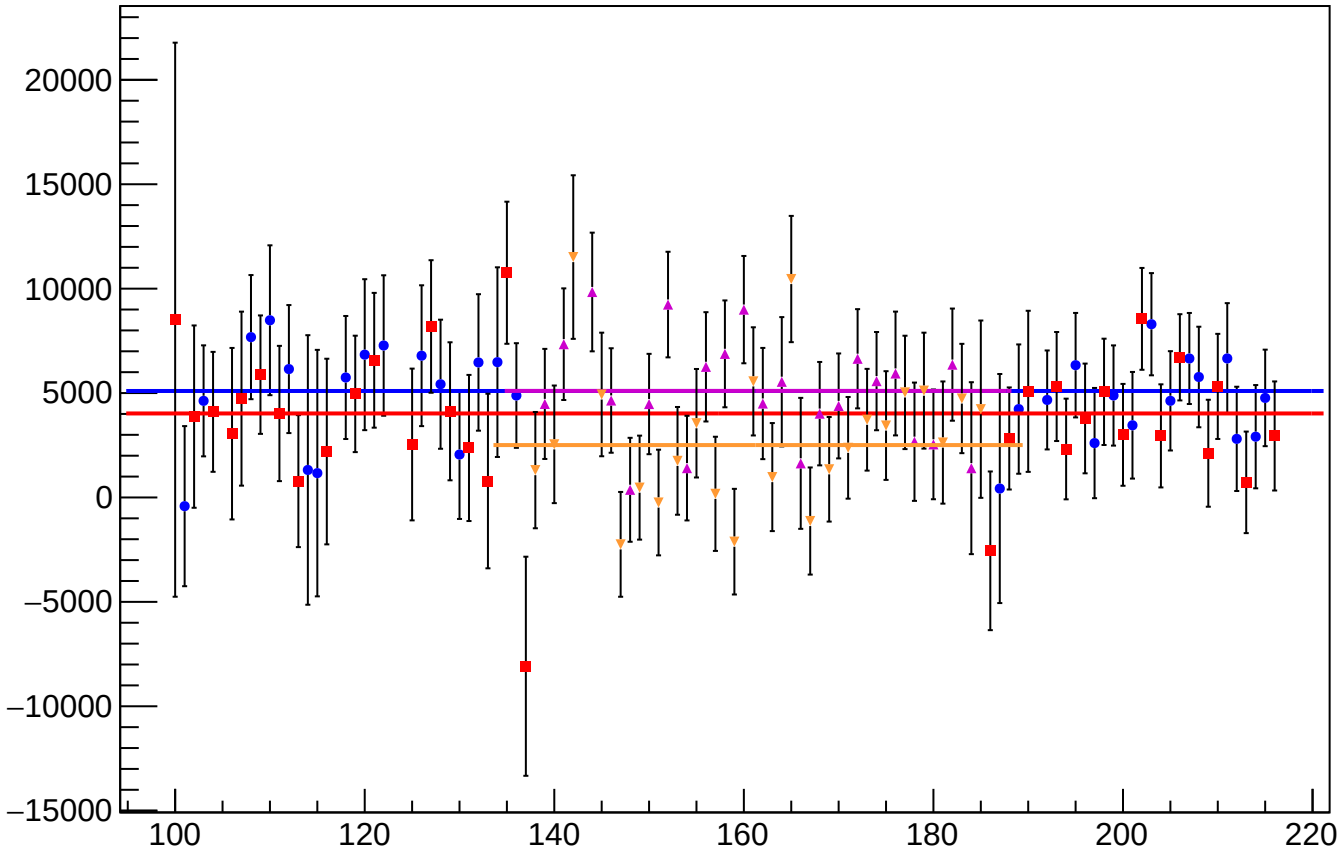
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 10252.743+/-1.212 χ^2/NDF: 5139624.5/63

In: 10362.110+/-1.227 χ^2/NDF:3439504.6/53

Out: 10306.841+/-1.223 χ^2/NDF:3958954.4/56

All: 10334.392+/-0.866 χ^2/NDF: 7399476.9/1



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: 4023.364+/-519.723 χ^2/NDF: 27.1/32

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

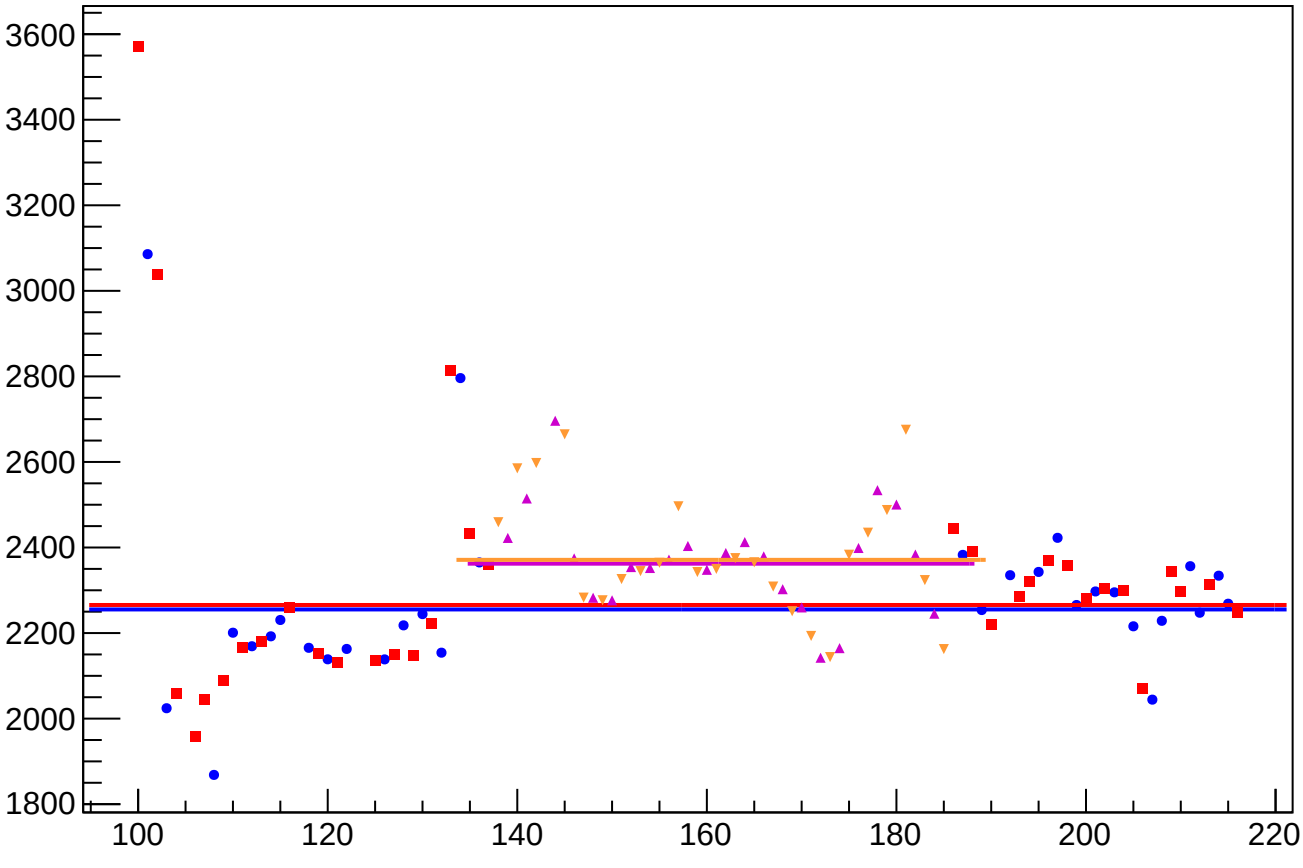
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4565.839+/-365.950 χ^2/NDF: 42.9/63

In: 5100.994+/-376.890 χ^2/NDF:33.5/53

Out: 3311.192+/-378.267 χ^2/NDF:60.9/56

All: 4209.359+/-266.987 χ^2/NDF: 105.6/110



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: 2265.633+/-0.367 χ^2/NDF: 214365.1/32

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

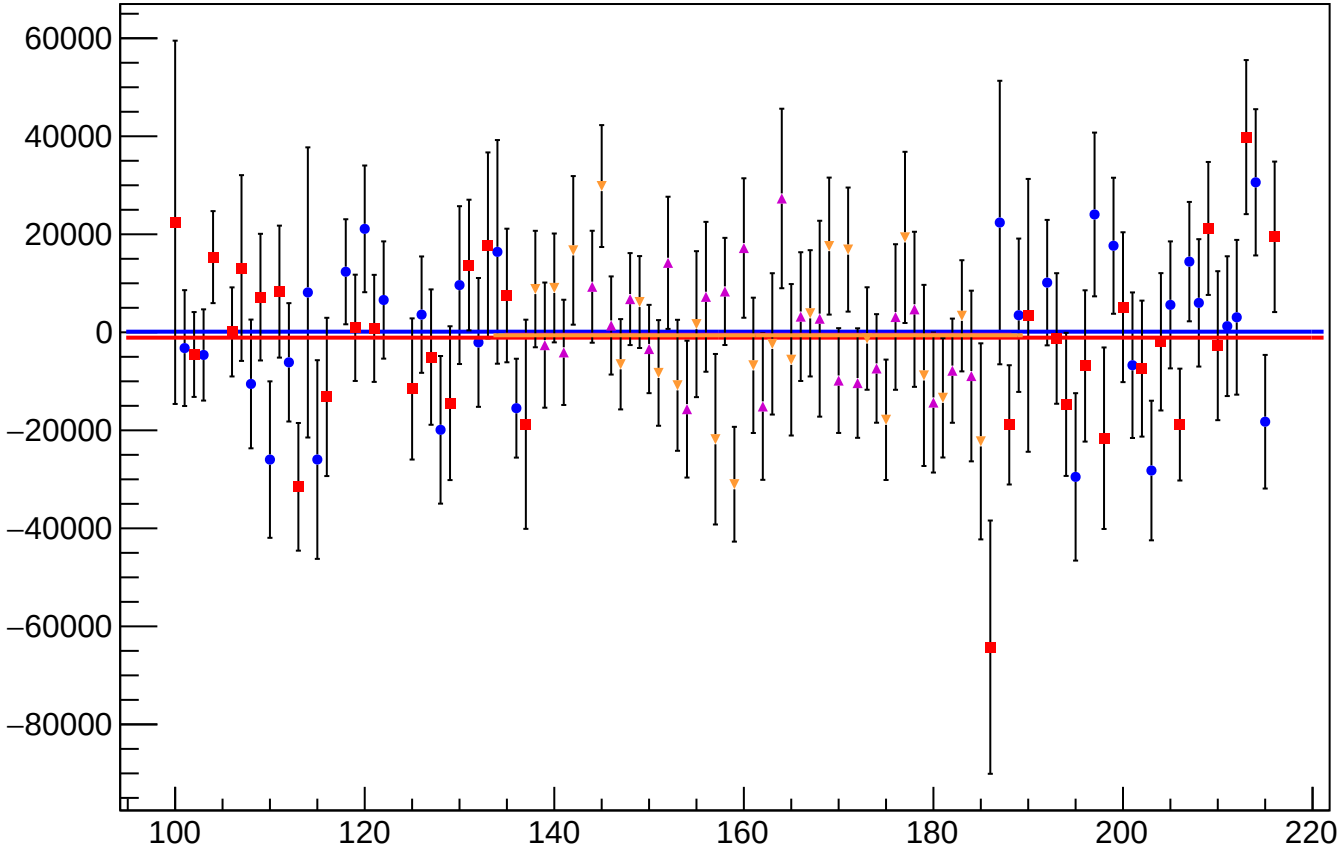
Right: 2260.376+/-0.259 χ^2/NDF: 441664.4/63

In: 2304.987+/-0.267 χ^2/NDF:358905.0/53

Out: 2315.236+/-0.267 χ^2/NDF:369428.6/56

All: 2310.093+/-0.189 χ^2/NDF: 729070.6/110

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: -1090.824+/-2384.906 χ^2/NDF: 40.3/32

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

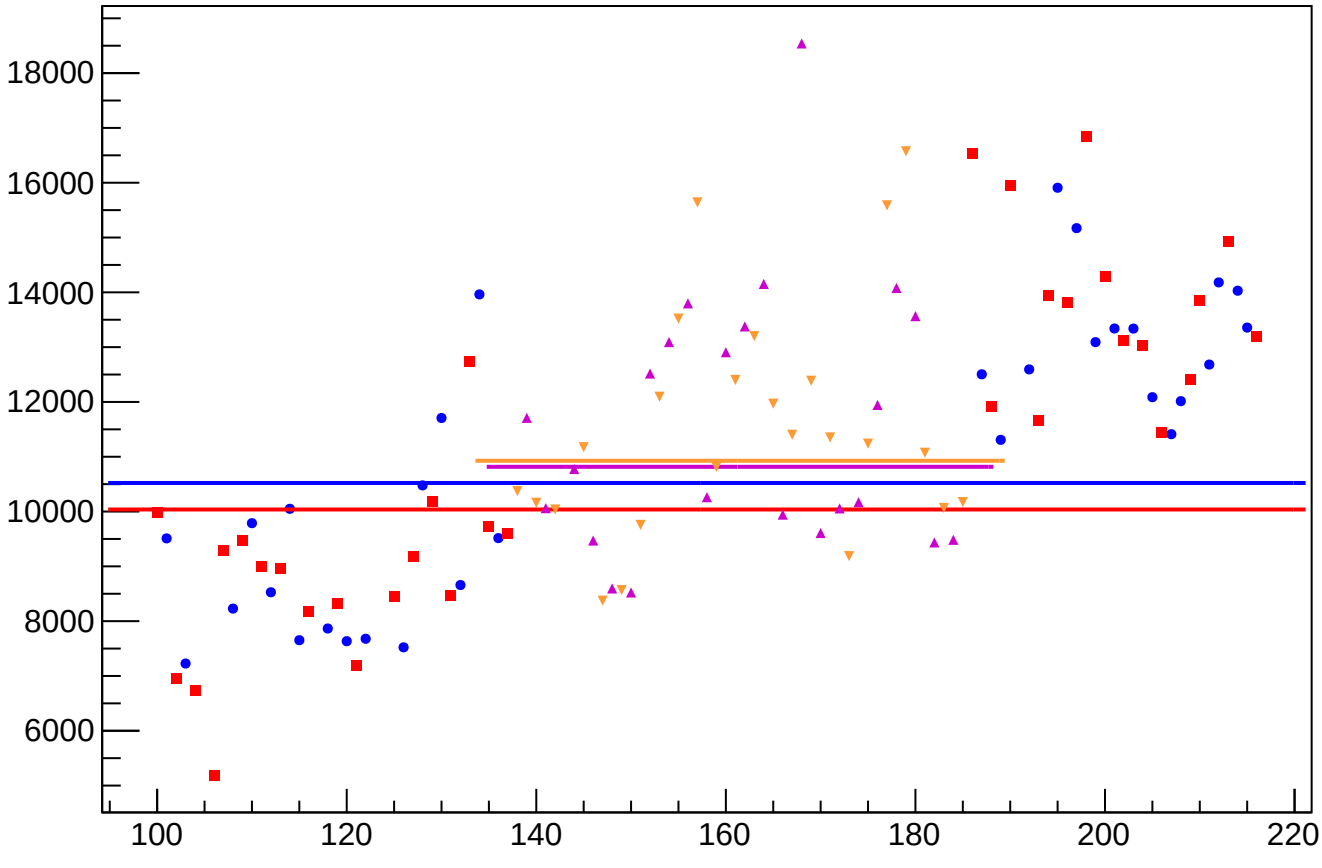
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

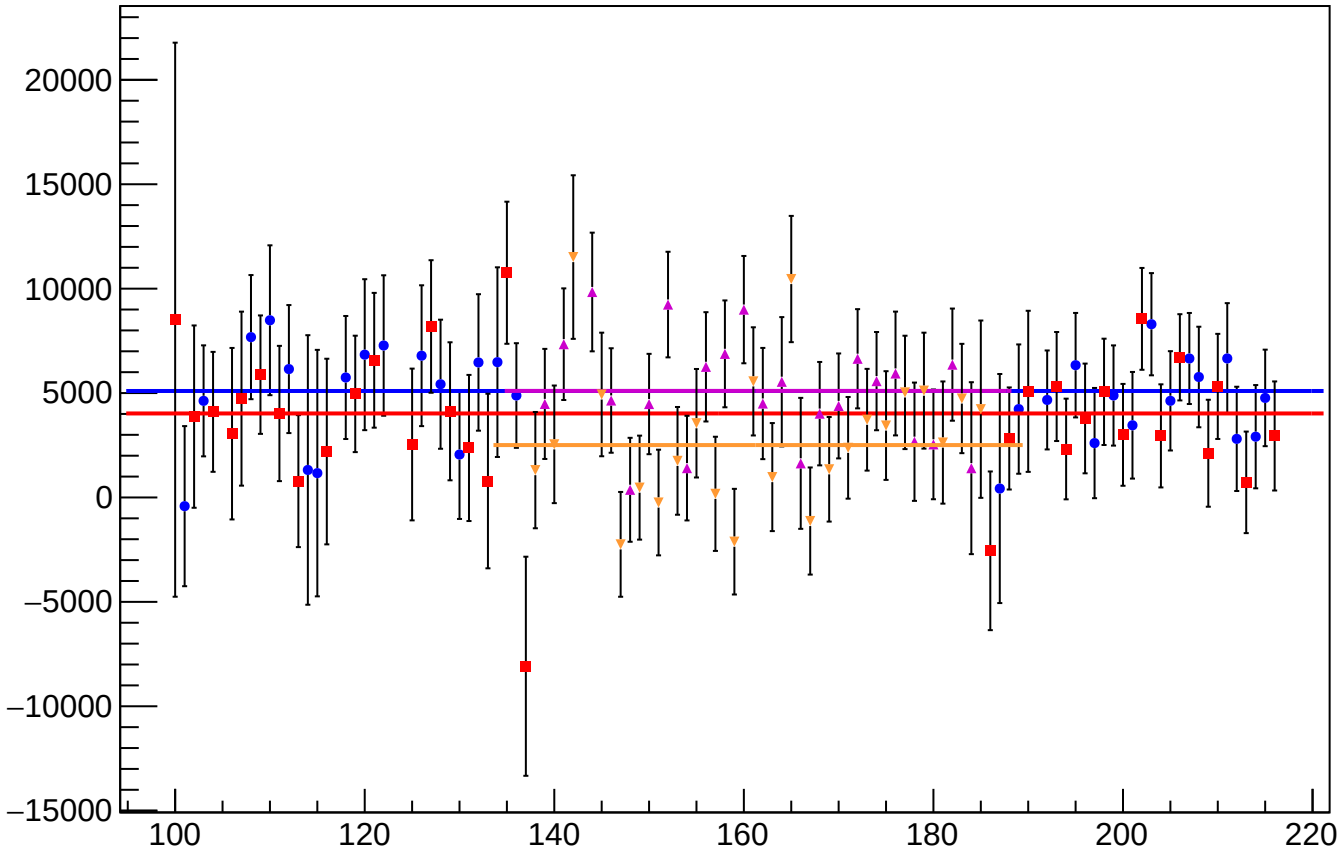
Right: -502.186+/-1715.733 χ^2/NDF: 75.3/63

In: -167.246+/-1783.314 χ^2/NDF:48.5/53

Out: -869.405+/-1754.390 χ^2/NDF:69.2/56

All: -524.066+/-1250.642 χ^2/NDF: 117.7/110


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 10521.589+/-1.747 χ²/NDF: 2061185.5/30
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 10037.638+/-1.686 χ²/NDF: 3085464.1/32
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 10271.117+/-1.213 χ²/NDF: 5186381.3/63
In: 10662.706+/-1.261 χ²/NDF:3271639.3/53
Out: 10445.666+/-1.241 χ²/NDF:4270376.7/56
All: 10552.412+/-0.884 χ²/NDF: 7557070.6/



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: 4023.363+/-519.723 χ^2/NDF: 27.1/32

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

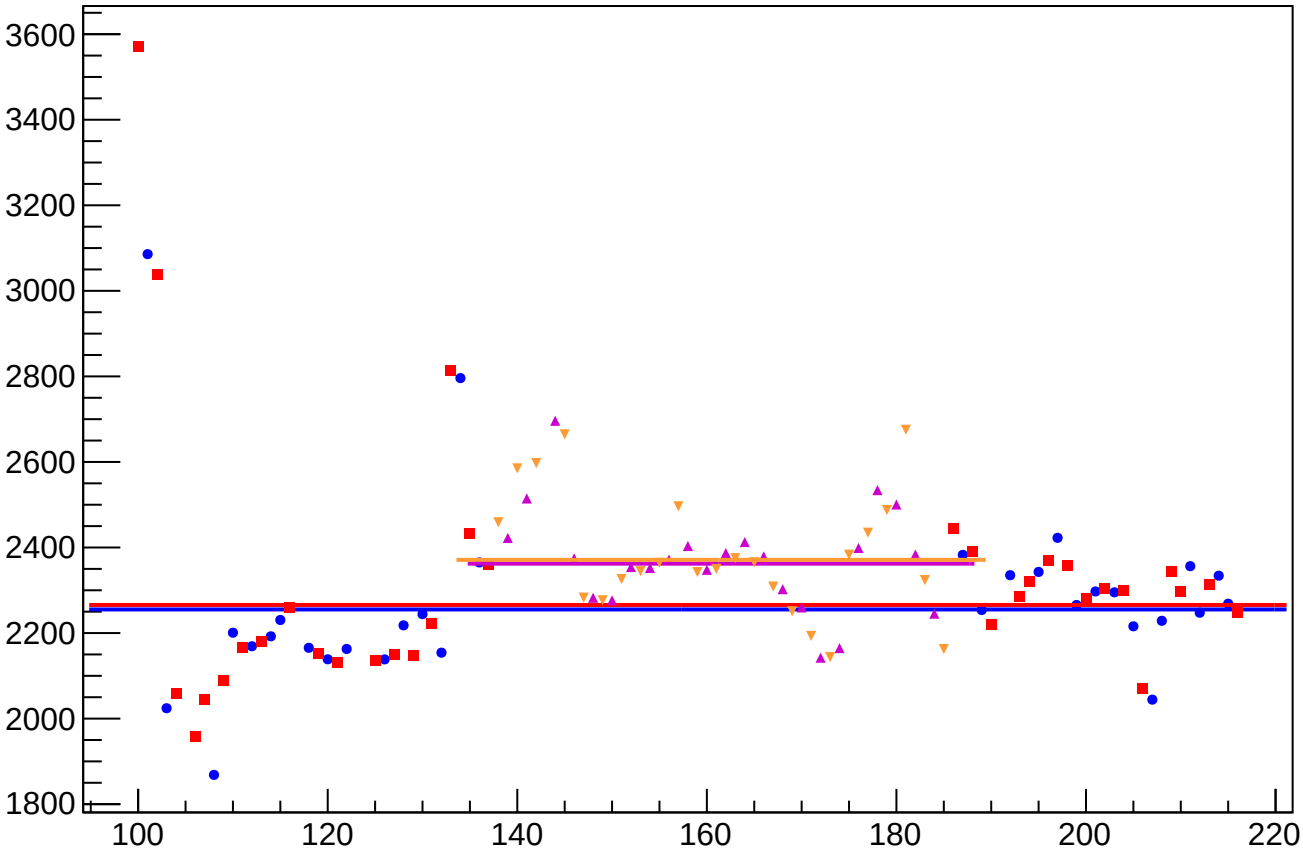
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4565.836+/-365.949 χ^2/NDF: 42.9/63

In: 5100.993+/-376.890 χ^2/NDF:33.5/53

Out: 3311.186+/-378.268 χ^2/NDF:60.9/56

All: 4209.355+/-266.987 χ^2/NDF: 105.6/110



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: 2265.633+/-0.367 χ^2/NDF: 214365.6/32

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

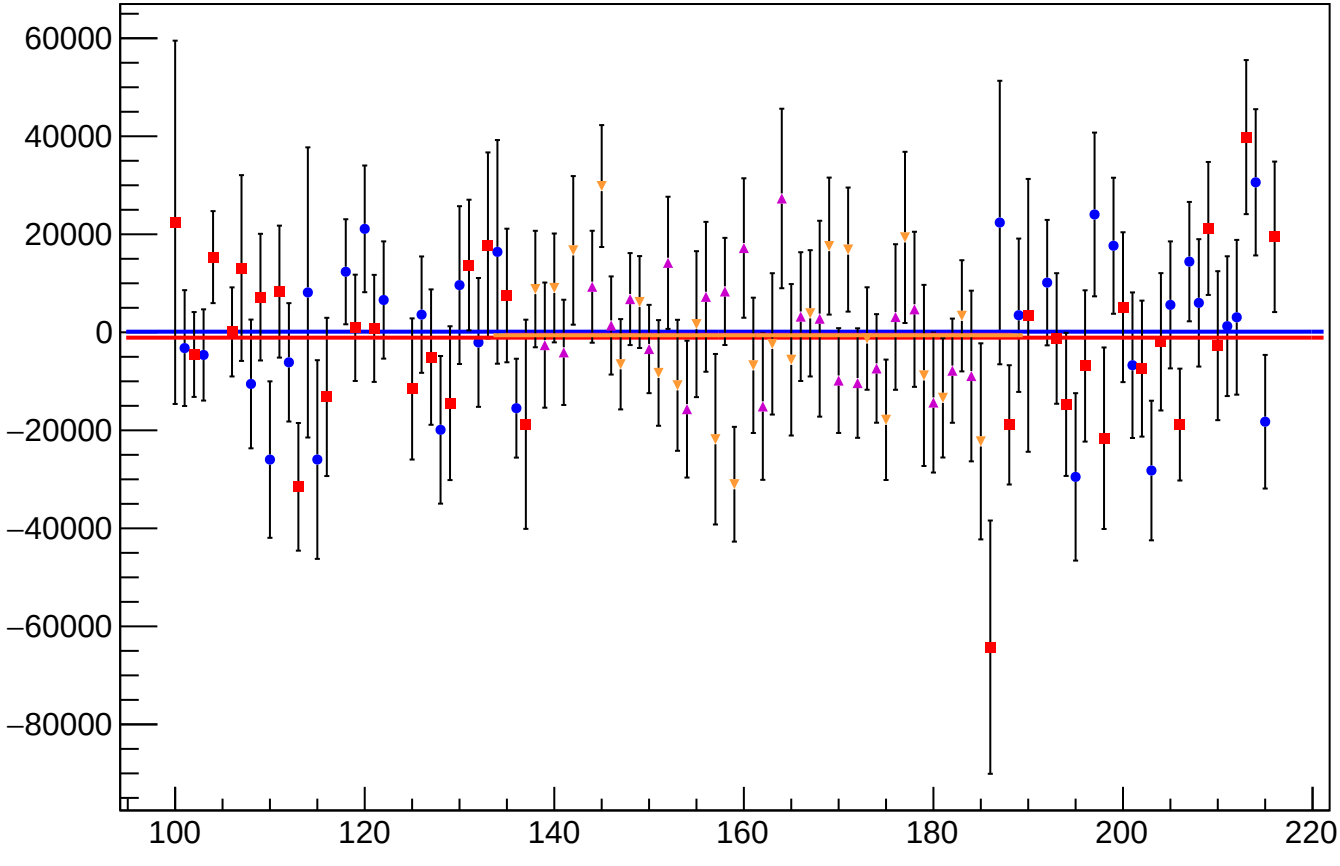
Right: 2260.376+/-0.259 χ^2/NDF: 441665.2/63

In: 2304.988+/-0.267 χ^2/NDF:358912.5/53

Out: 2315.237+/-0.267 χ^2/NDF:369435.8/56

All: 2310.095+/-0.189 χ^2/NDF: 729085.3/110

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: -1090.815+/-2384.904 χ^2/NDF: 40.3/32

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

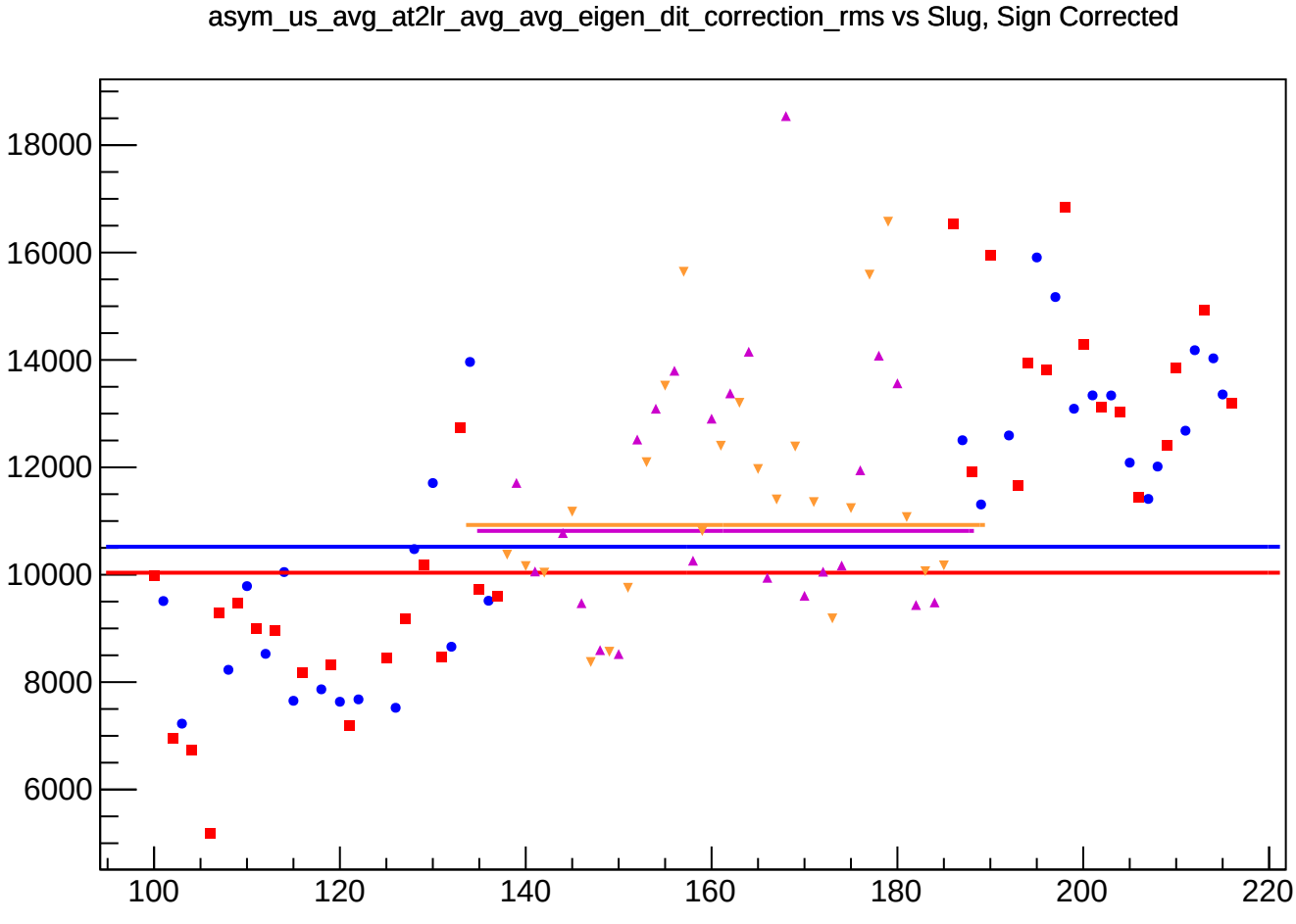
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

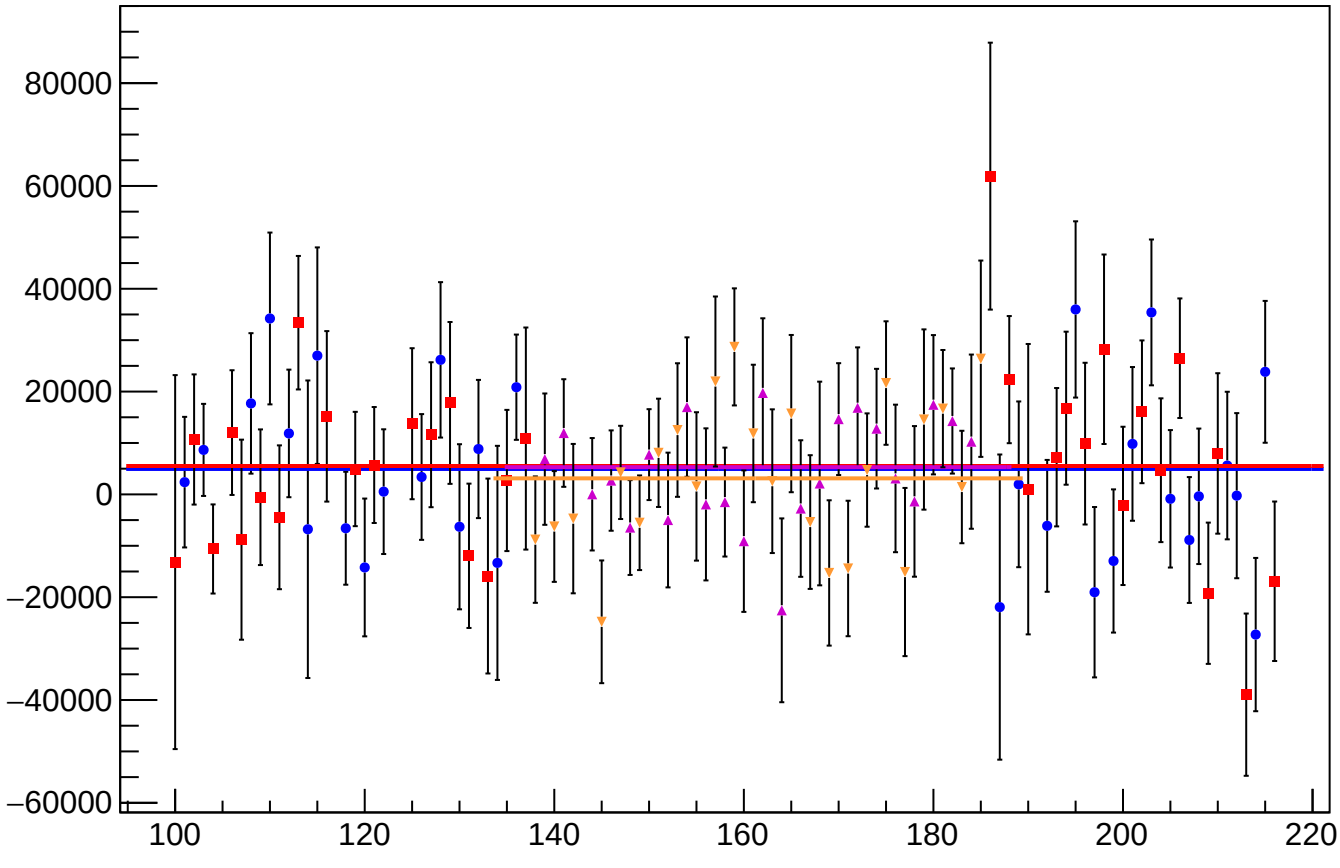
Right: -502.178+/-1715.732 χ^2/NDF: 75.3/63

In: -167.244+/-1783.315 χ^2/NDF:48.5/53

Out: -869.405+/-1754.391 χ^2/NDF:69.2/56

All: -524.065+/-1250.643 χ^2/NDF: 117.7/110


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 10521.578+/-1.747 χ²/NDF: 2061219.0/30
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 10037.625+/-1.686 χ²/NDF: 3085492.1/32
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 10271.106+/-1.213 χ²/NDF: 5186443.2/63
In: 10662.709+/-1.261 χ²/NDF:3271678.8/53
Out: 10445.667+/-1.241 χ²/NDF:4270415.9/56
All: 10552.413+/-0.884 χ²/NDF: 7557149.5/



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: 5520.615+/-2493.098 χ^2/NDF: 40.6/32

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

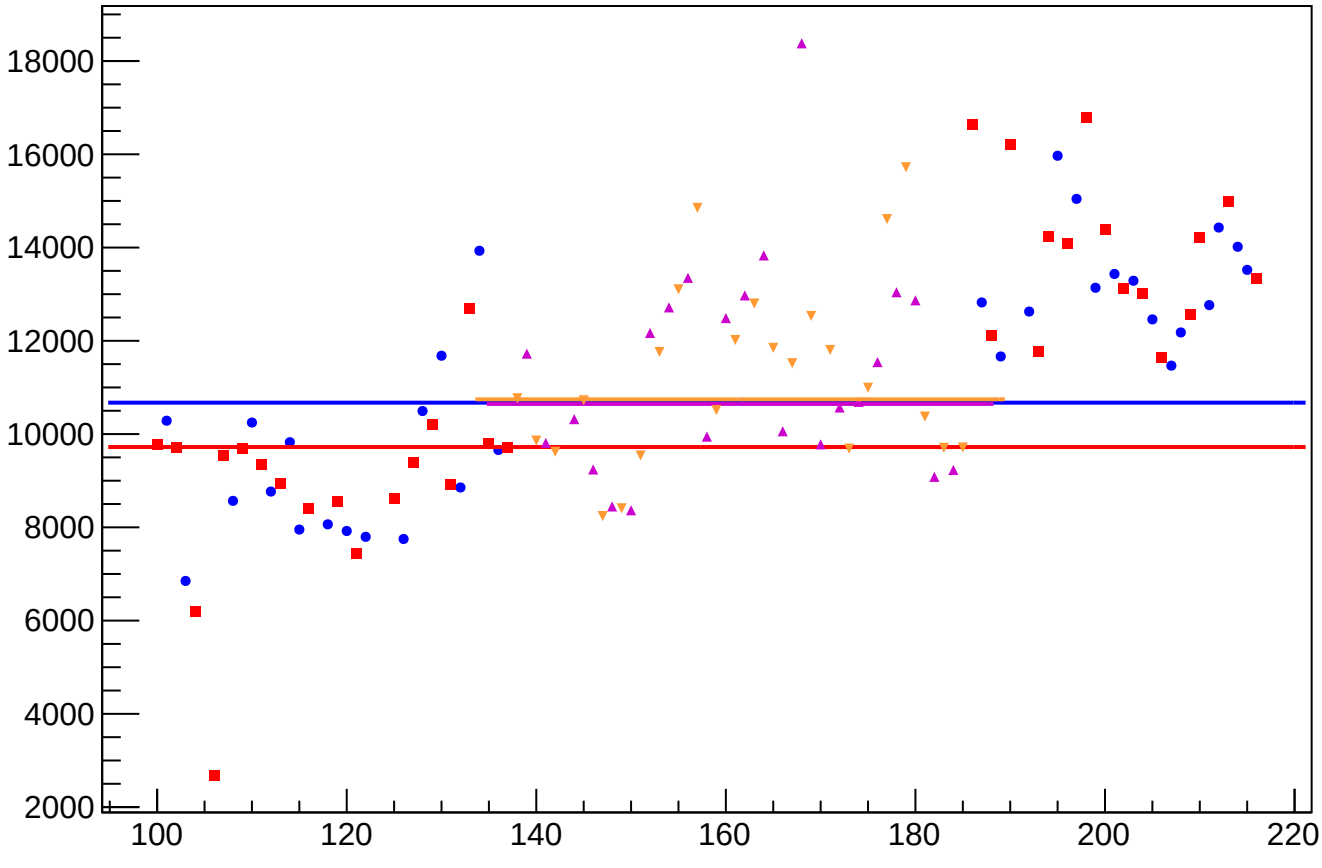
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 5236.271+/-1767.125 χ^2/NDF: 76.8/63

In: 5118.057+/-1781.165 χ^2/NDF:49.6/53

Out: 4343.613+/-1780.218 χ^2/NDF:68.5/56

All: 4730.629+/-1259.139 χ^2/NDF: 118.2/110



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: 9721.911+/-1.685 χ^2/NDF: 4771785.9/32

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

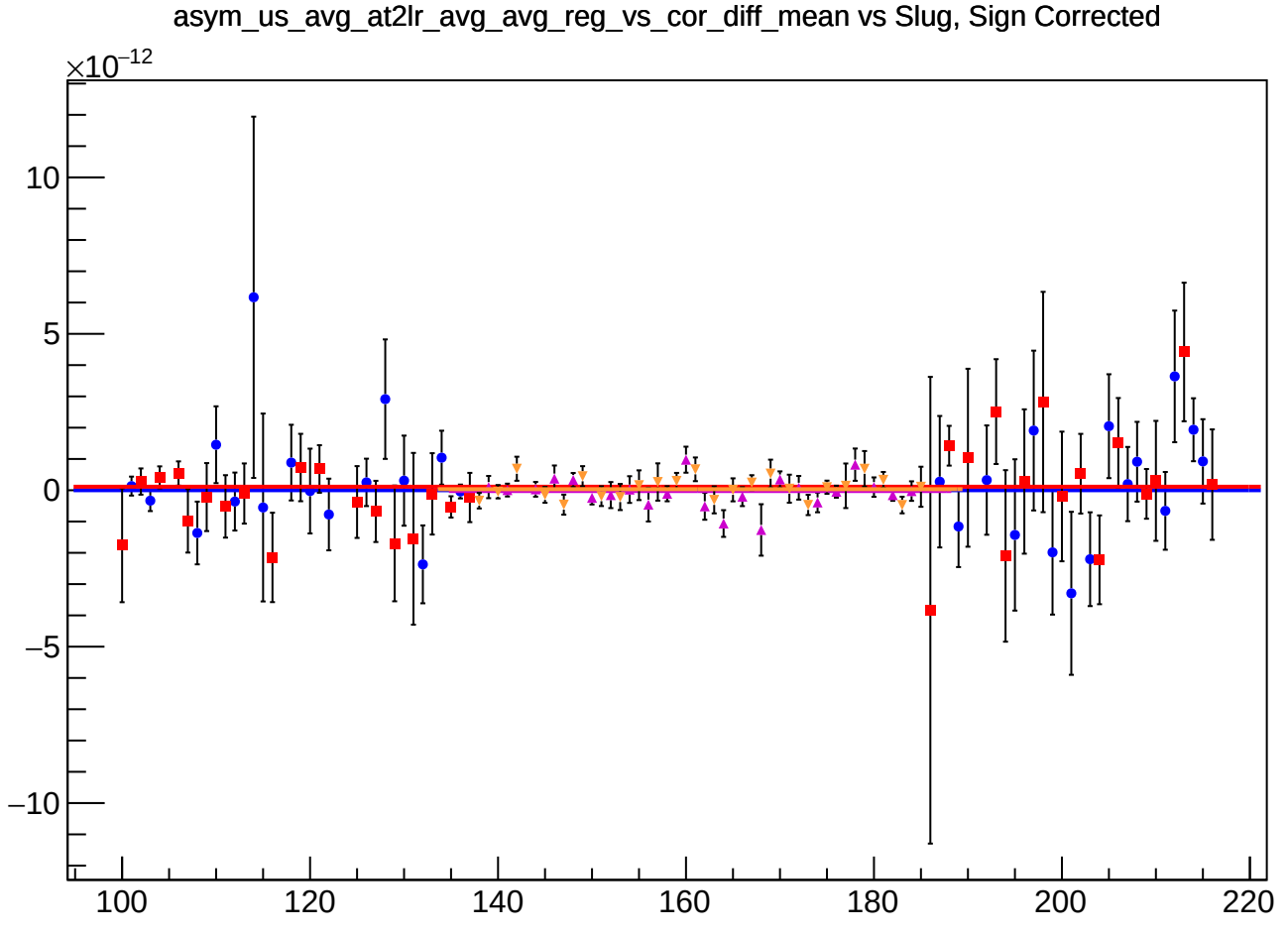
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 10173.926+/-1.221 χ^2/NDF: 6950892.8/63

In: 10660.208+/-1.259 χ^2/NDF:3141719.1/53

Out: 10200.349+/-1.229 χ^2/NDF:5908917.2/56

All: 10424.723+/-0.880 χ^2/NDF: 9118903.4/1



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: 29.8/32

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

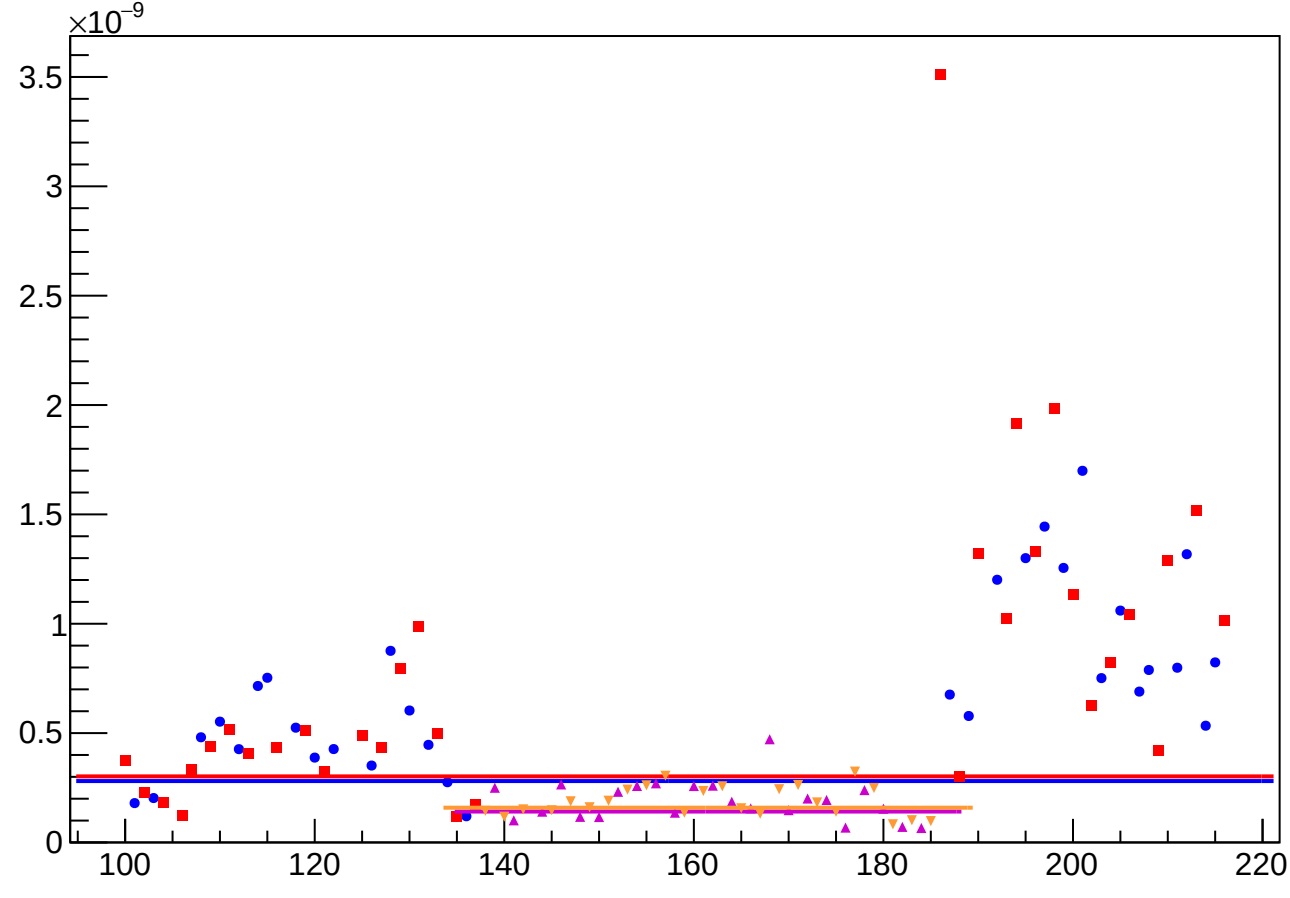
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 60.5/63

In: -0.000+/-0.000 χ^2/NDF:58.3/53

Out: 0.000+/-0.000 χ^2/NDF:56.3/56

All: 0.000+/-0.000 χ^2/NDF: 115.3/110



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: 7291766.0/32

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

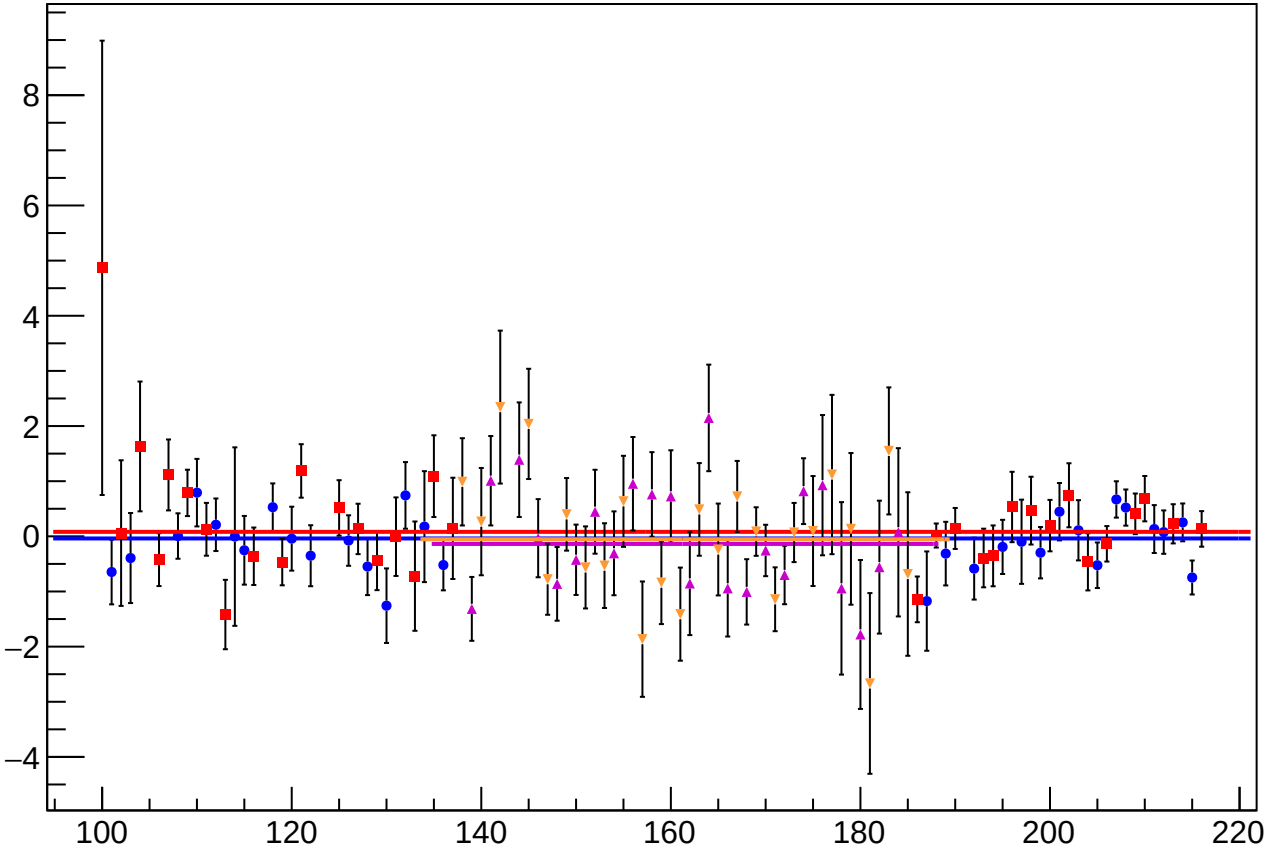
Right: 0.000+/-0.000 χ^2/NDF: 14517709.2/63

In: 0.000+/-0.000 χ^2/NDF:11406745.9/53

Out: 0.000+/-0.000 χ^2/NDF:10231664.0/56

All: 0.000+/-0.000 χ^2/NDF: 21739226.8/110

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: 0.082+/-0.082 χ^2/NDF: 44.4/32

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

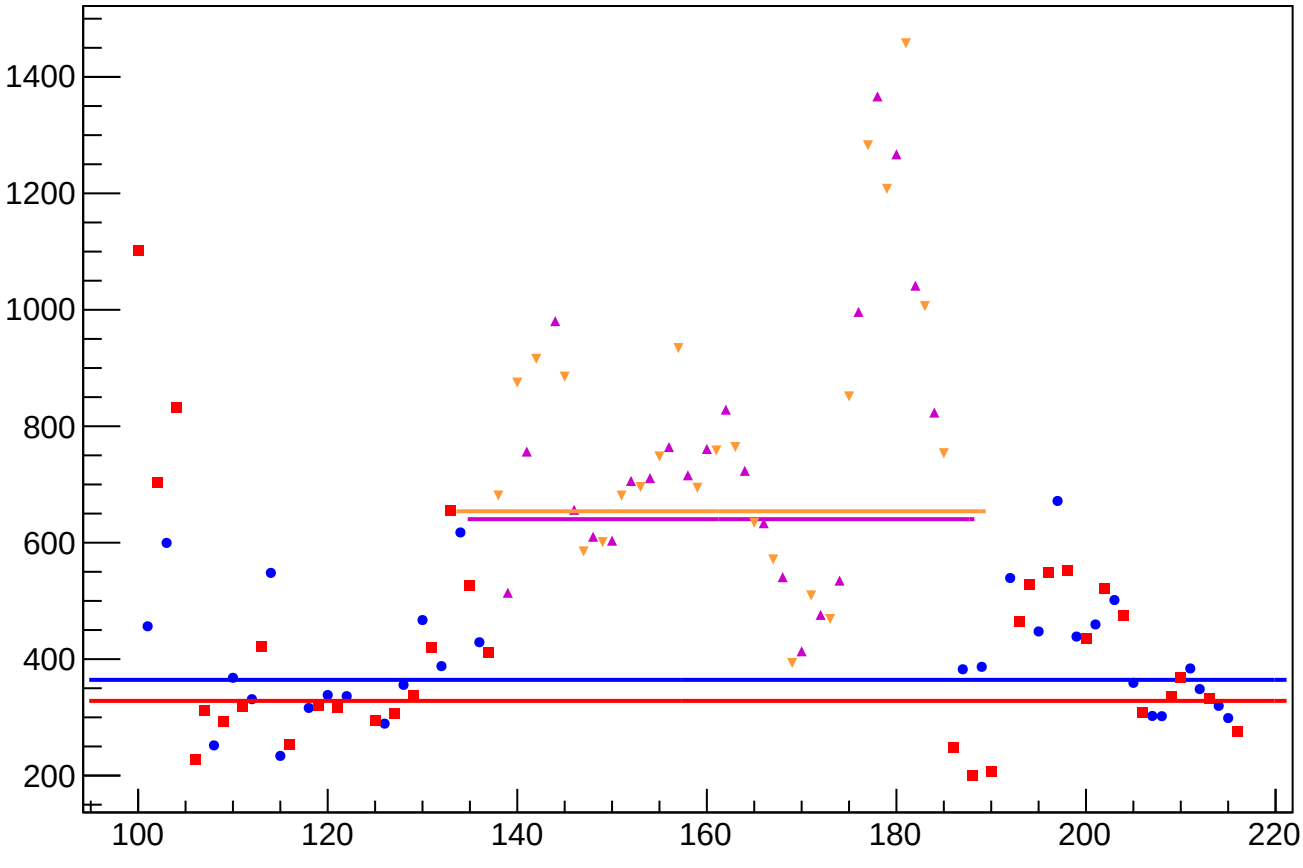
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.026+/-0.060 χ^2/NDF: 77.2/63

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.054+/-0.073 χ^2/NDF:75.1/56

All: -0.001+/-0.053 χ^2/NDF: 138.4/110



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: 328.318+/-0.058 χ^2/NDF: 3663972.6/32

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

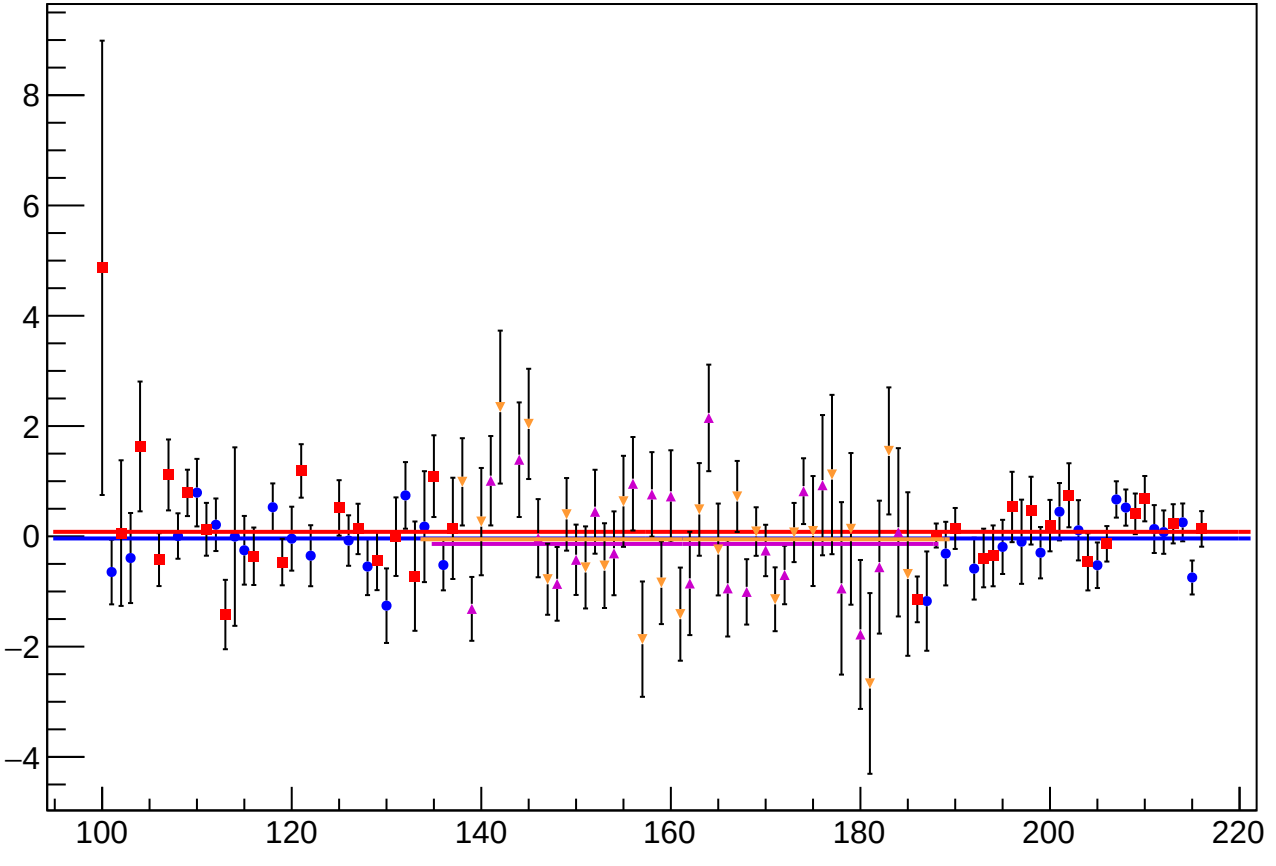
Right: 345.137+/-0.042 χ^2/NDF: 5737365.3/63

In: 429.046+/-0.054 χ^2/NDF:9219853.1/53

Out: 394.603+/-0.051 χ^2/NDF:13277271.9/56

All: 410.991+/-0.037 χ^2/NDF: 22710211.4/1

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: 0.082+/-0.082 χ^2/NDF: 44.4/32

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

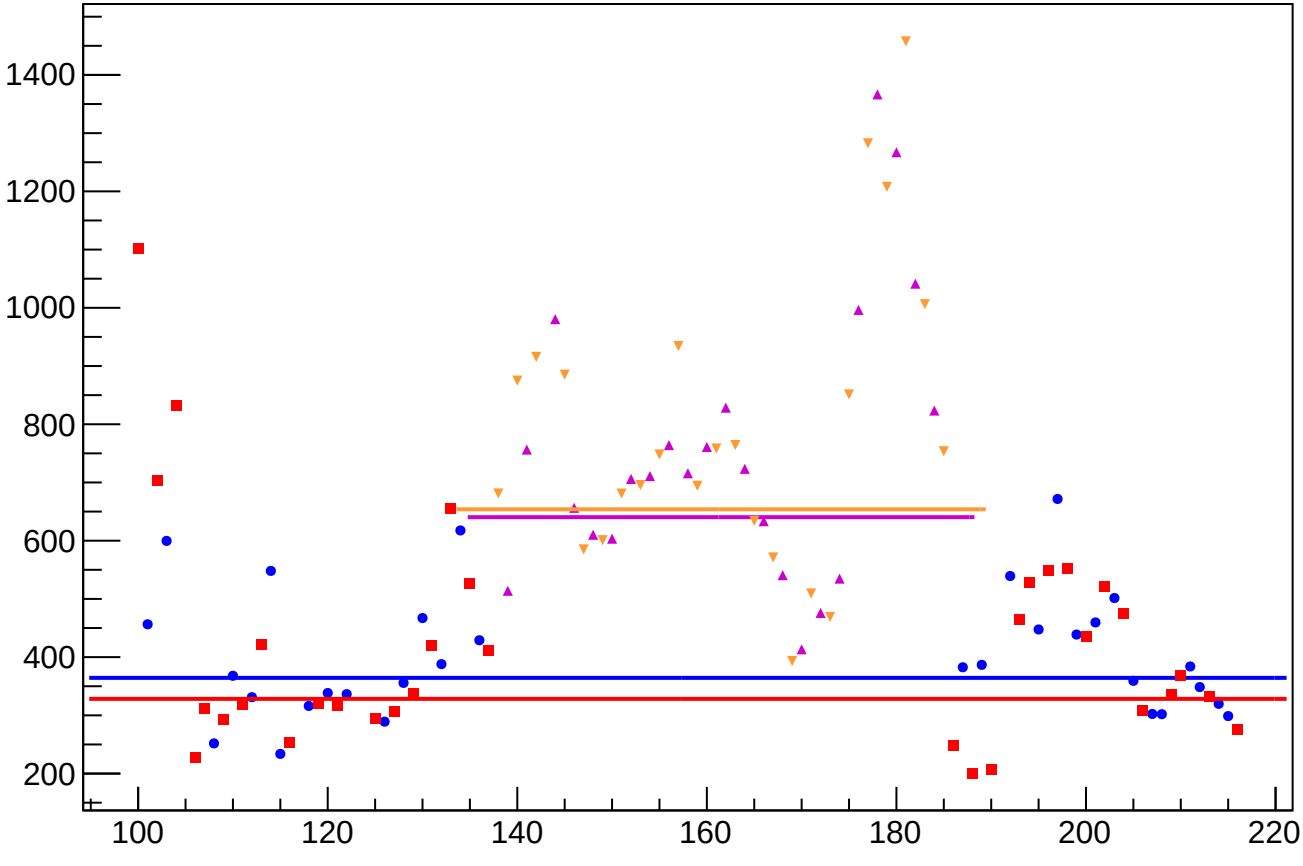
Right: 0.026+/-0.060 χ^2/NDF: 77.2/63

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.054+/-0.073 χ^2/NDF:75.1/56

All: -0.001+/-0.053 χ^2/NDF: 138.4/110

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: 328.318+/-0.058 χ^2/NDF: 3663972.6/32

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

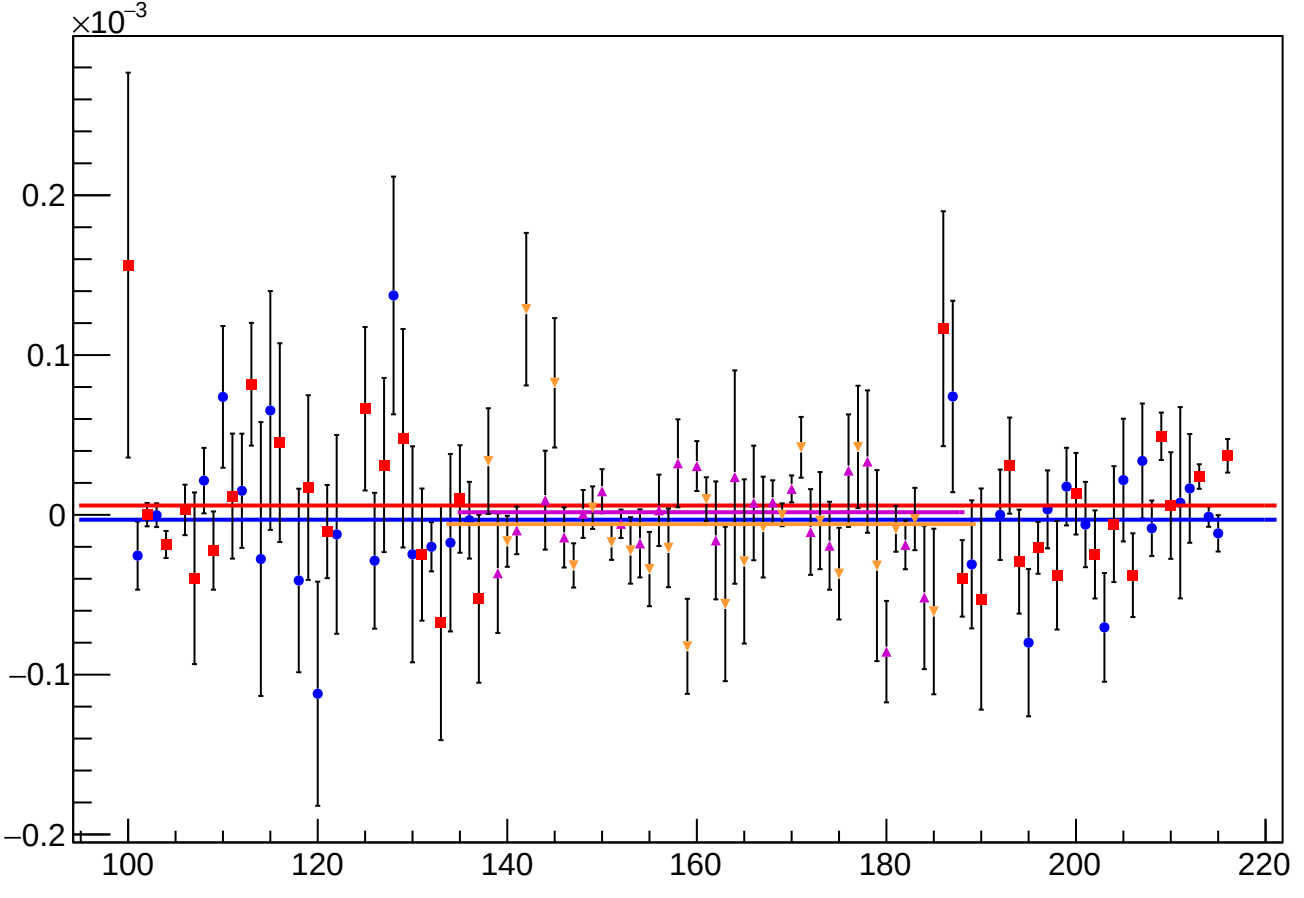
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 345.137+/-0.042 χ^2/NDF: 5737365.3/63

In: 429.046+/-0.054 χ^2/NDF:9219853.1/53

Out: 394.603+/-0.051 χ^2/NDF:13277271.9/56

All: 410.991+/-0.037 χ^2/NDF: 22710211.4/11



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: 61.9/32

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

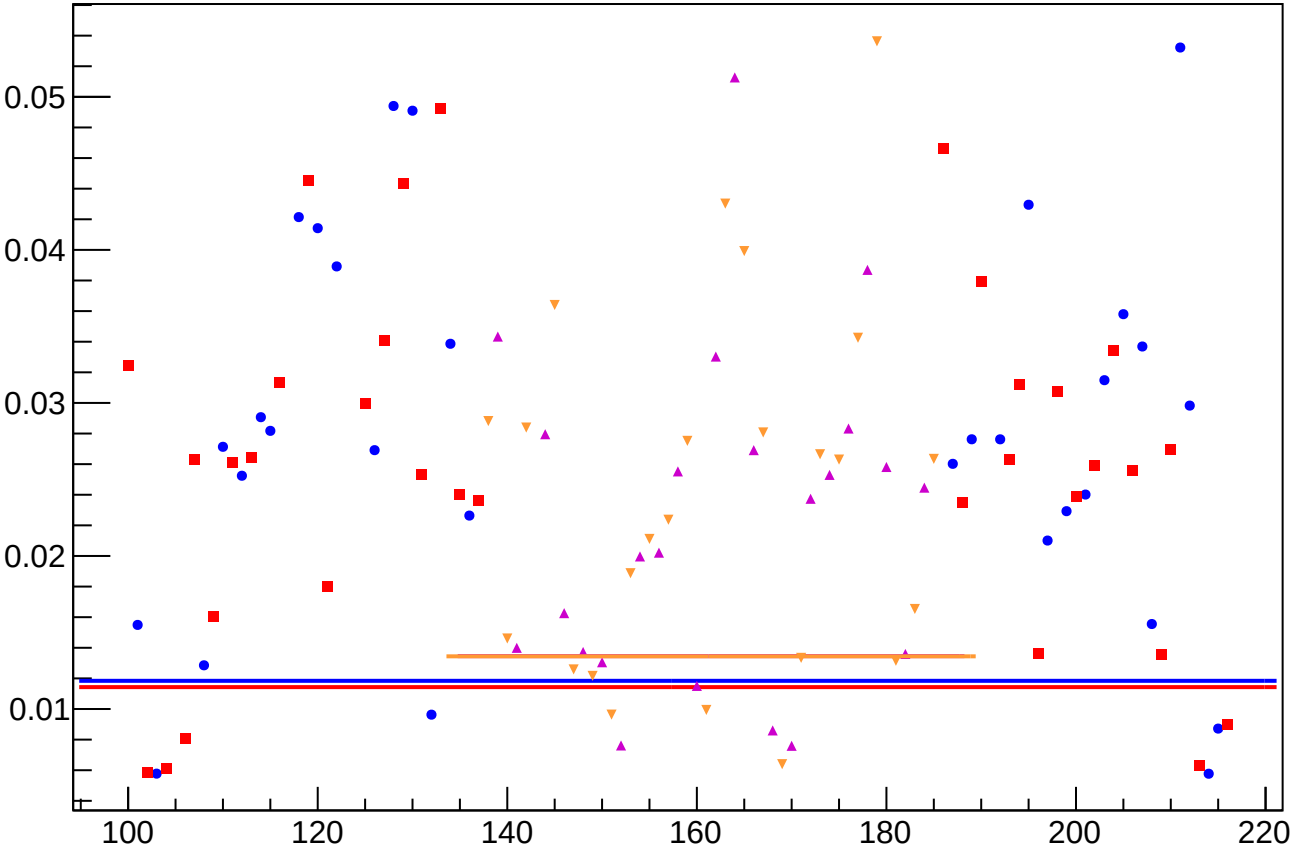
Right: 0.000+/-0.000 χ^2/NDF: 92.5/63

In: -0.000+/-0.000 χ^2/NDF:53.7/53

Out: 0.000+/-0.000 χ^2/NDF:110.0/56

All: -0.000+/-0.000 χ^2/NDF: 163.8/110

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: 0.011+/-0.000 χ^2/NDF: 13083659.2/32

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

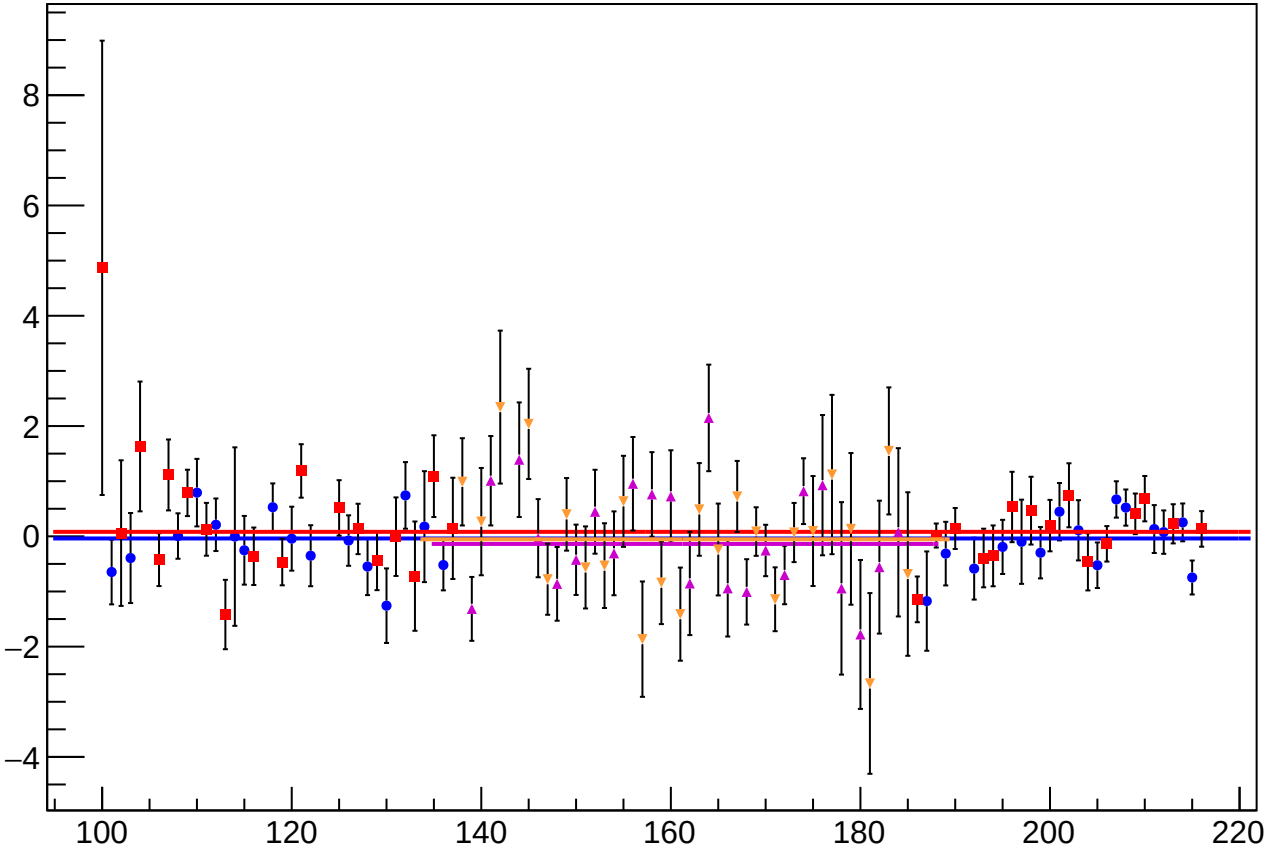
Right: 0.012+/-0.000 χ^2/NDF: 27452099.9/63

In: 0.013+/-0.000 χ^2/NDF:22098550.4/53

Out: 0.012+/-0.000 χ^2/NDF:22265730.7/56

All: 0.012+/-0.000 χ^2/NDF: 44376839.8/110

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: 0.082+/-0.082 χ^2/NDF: 44.4/32

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

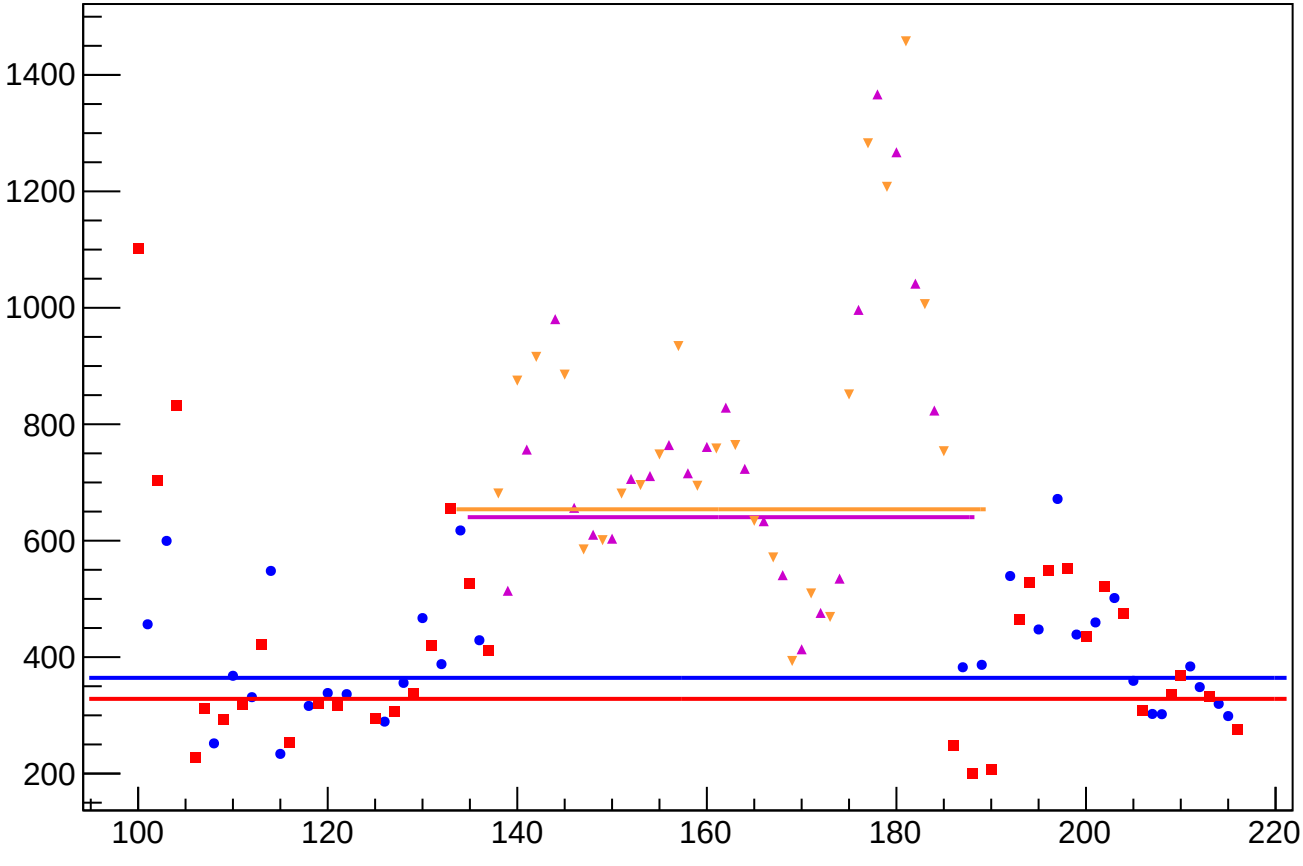
Right: 0.026+/-0.060 χ^2/NDF: 77.2/63

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.054+/-0.073 χ^2/NDF:75.1/56

All: -0.001+/-0.053 χ^2/NDF: 138.4/110

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_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: 328.313+/-0.058 χ^2/NDF: 3664171.7/32

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

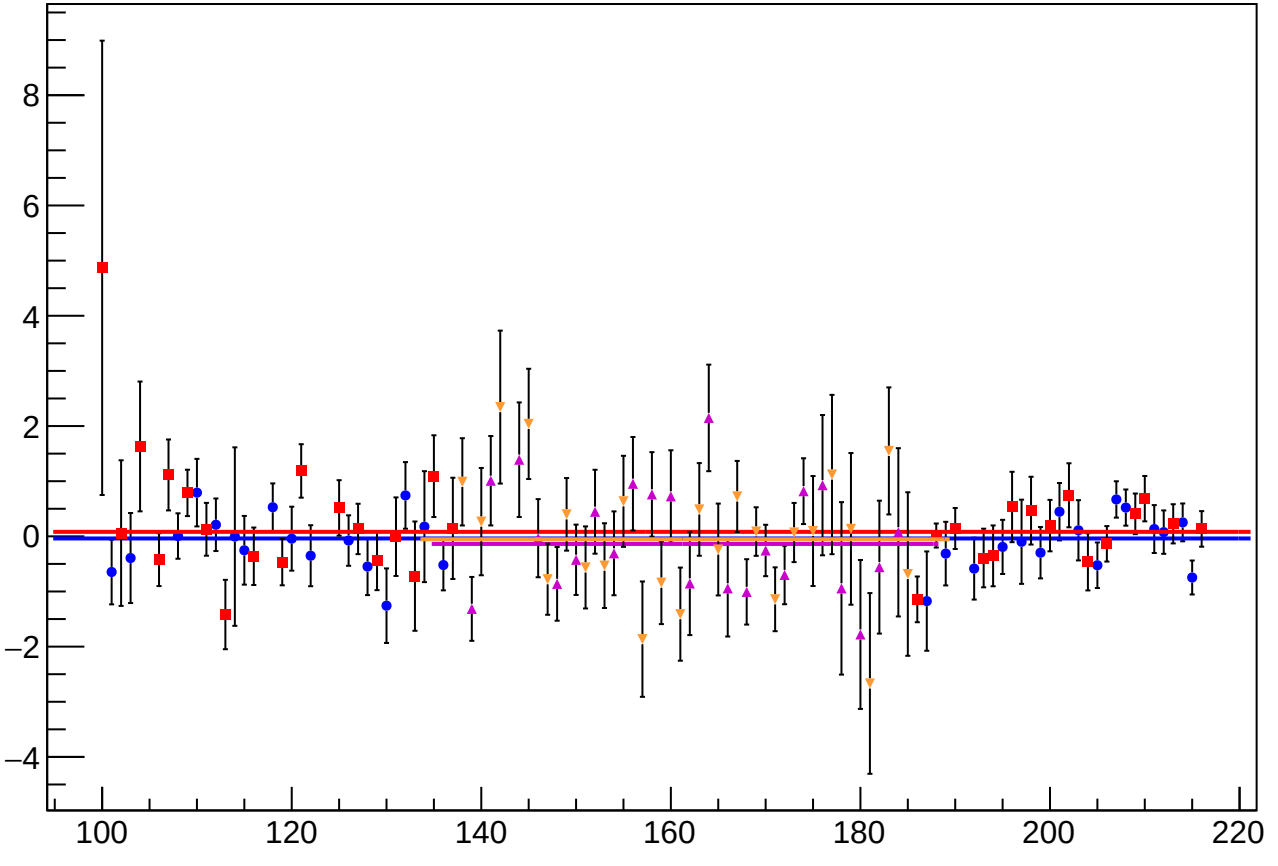
Right: 345.134+/-0.042 χ^2/NDF: 5737607.0/63

In: 429.046+/-0.054 χ^2/NDF:9220050.9/53

Out: 394.597+/-0.051 χ^2/NDF:13277886.8/56

All: 410.988+/-0.037 χ^2/NDF: 22711088.9/11

asym_us_avg_at2lr_avg_avg_eigen_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: 0.082+/-0.082 χ^2/NDF: 44.4/32

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

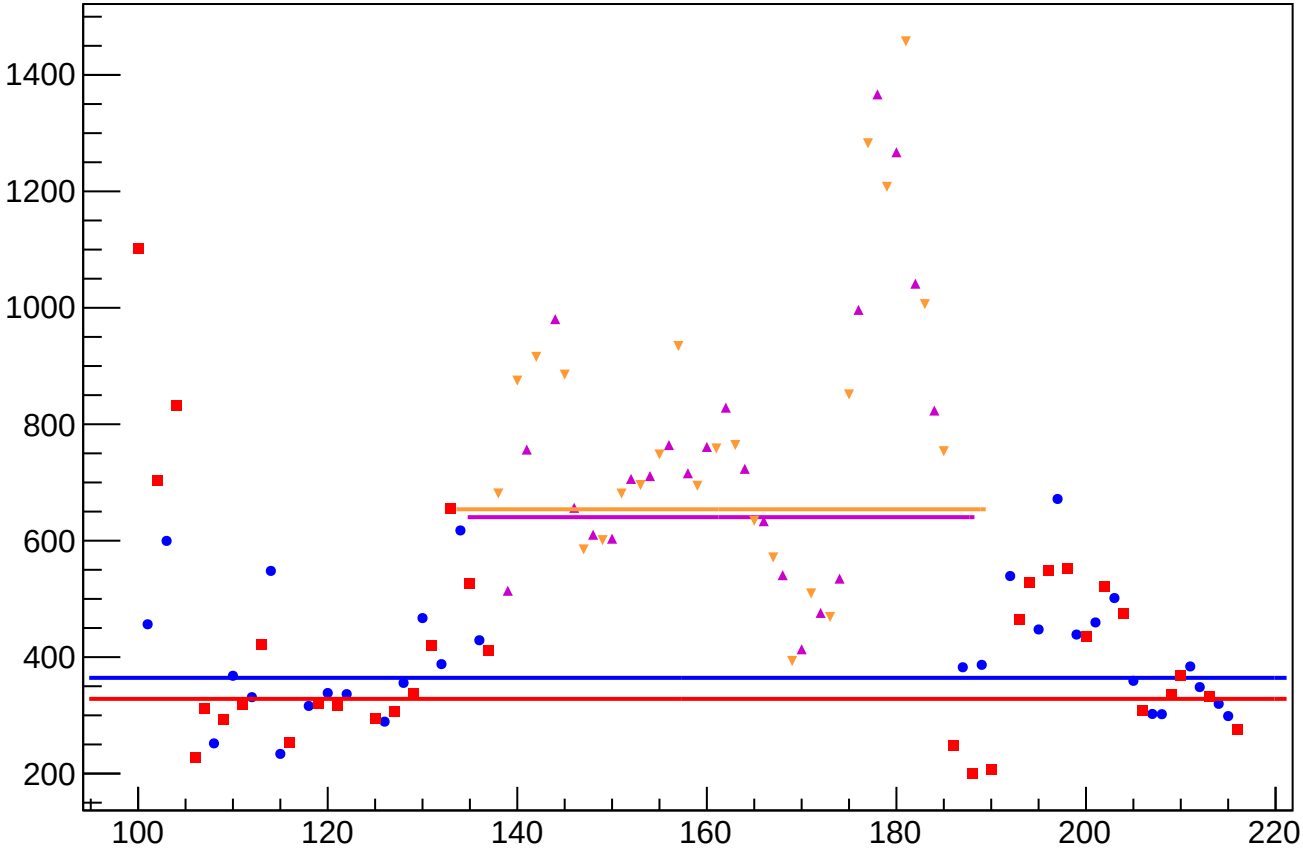
Right: 0.026+/-0.060 χ^2/NDF: 77.2/63

In: -0.062+/-0.076 χ^2/NDF:62.1/53

Out: 0.054+/-0.073 χ^2/NDF:75.1/56

All: -0.001+/-0.053 χ^2/NDF: 138.4/110

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: 328.313+/-0.058 χ^2/NDF: 3664171.7/32

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

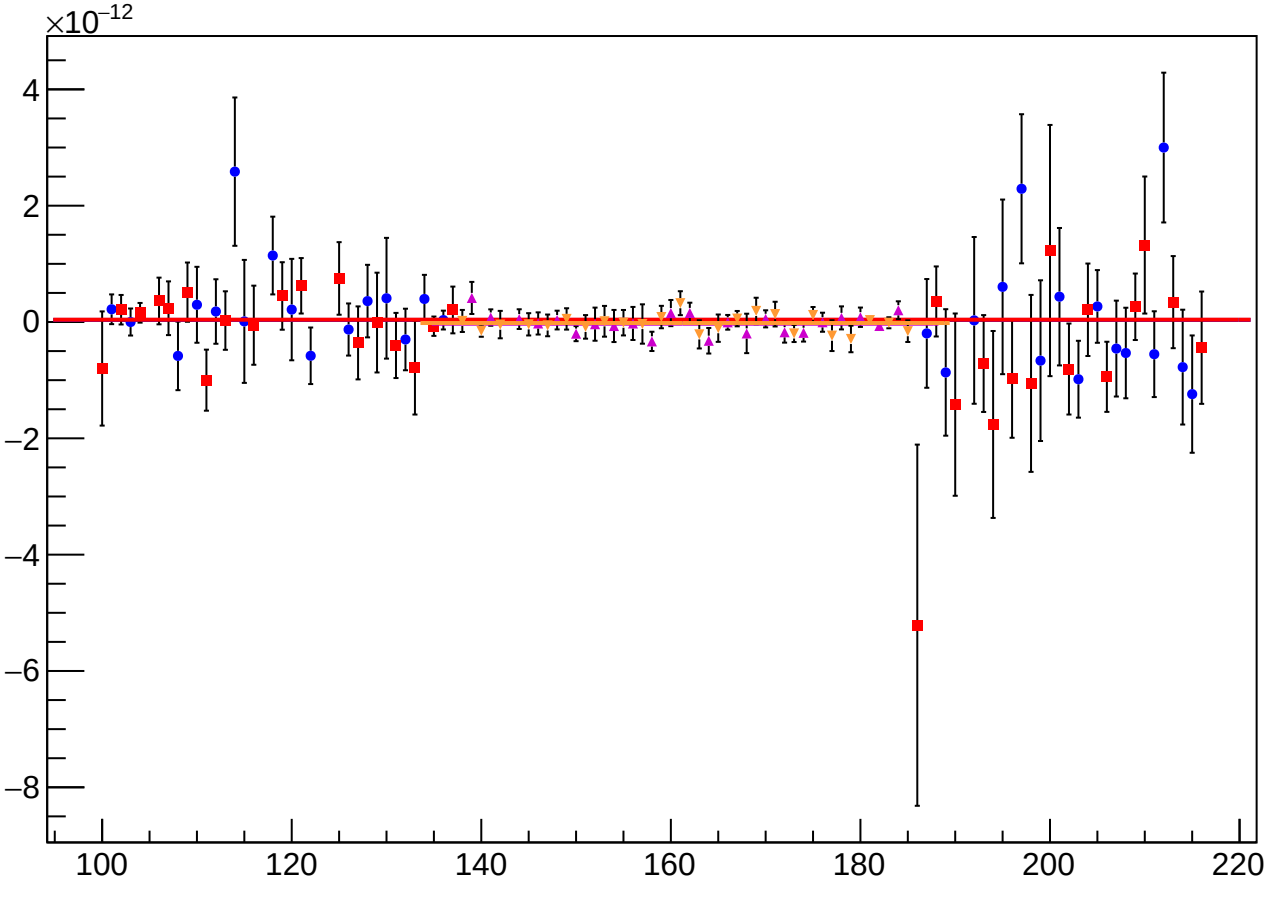
Right: 345.134+/-0.042 χ^2/NDF: 5737607.0/63

In: 429.046+/-0.054 χ^2/NDF:9220050.9/53

Out: 394.597+/-0.051 χ^2/NDF:13277886.8/56

All: 410.988+/-0.037 χ^2/NDF: 22711088.9/1

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: 26.8/32

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

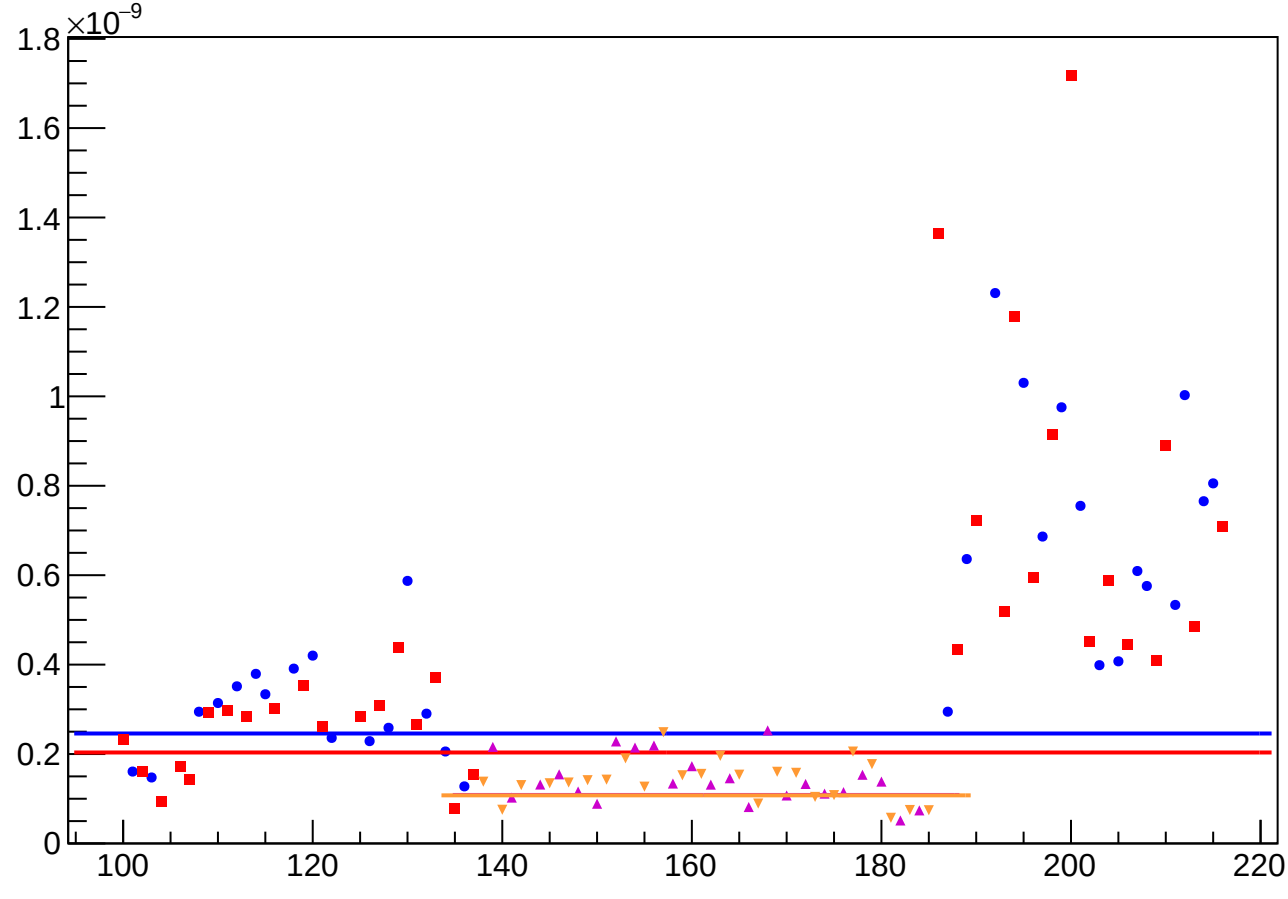
Right: 0.000+/-0.000 χ^2/NDF: 54.7/63

In: -0.000+/-0.000 χ^2/NDF:46.2/53

Out: -0.000+/-0.000 χ^2/NDF:40.3/56

All: -0.000+/-0.000 χ^2/NDF: 86.6/110

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: 9092370.8/32

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

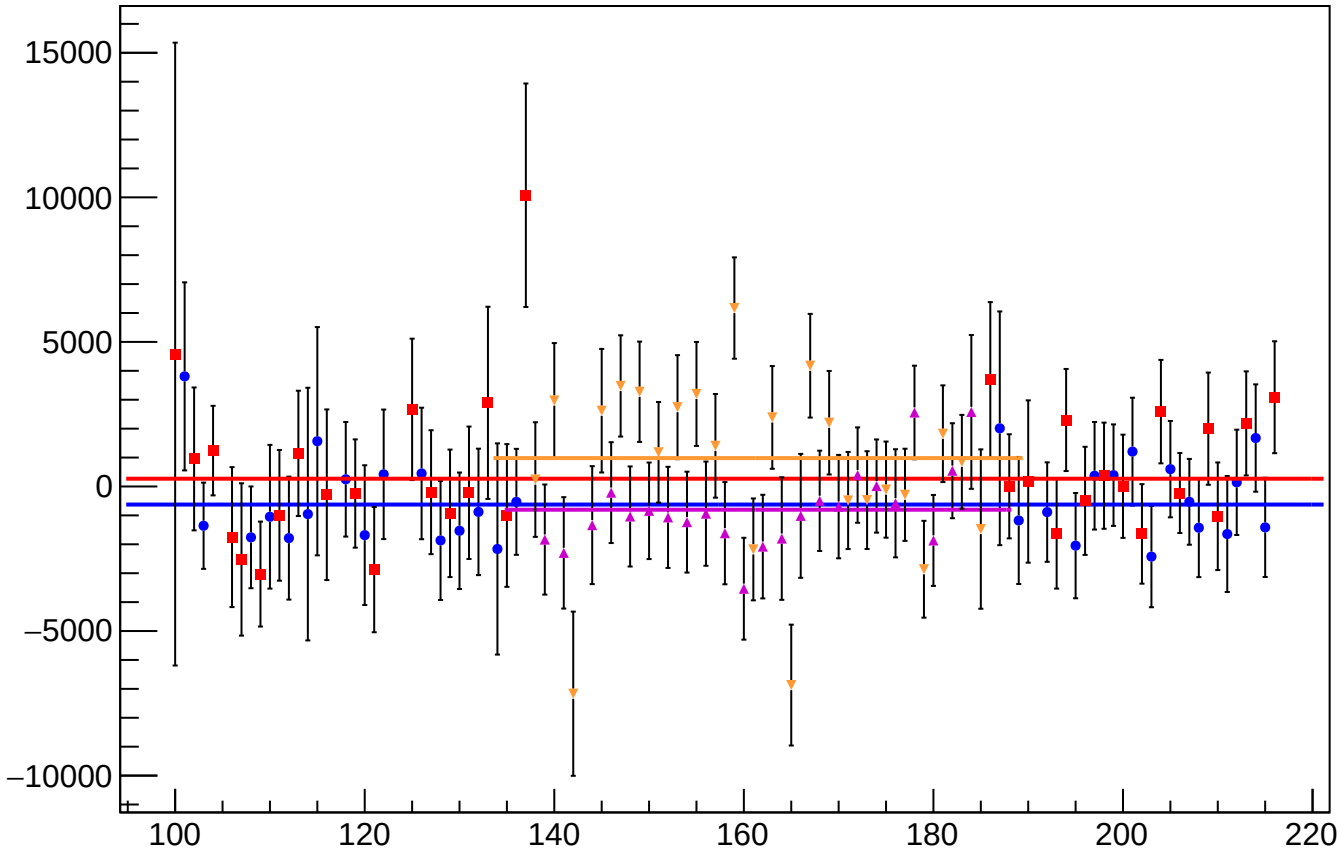
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 17633814.8/63

In: 0.000+/-0.000 χ^2/NDF:16310758.9/53

Out: 0.000+/-0.000 χ^2/NDF:14993991.2/56

All: 0.000+/-0.000 χ^2/NDF: 31317297.7/110



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: 268.822+/-360.373 χ^2/NDF: 28.8/32

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

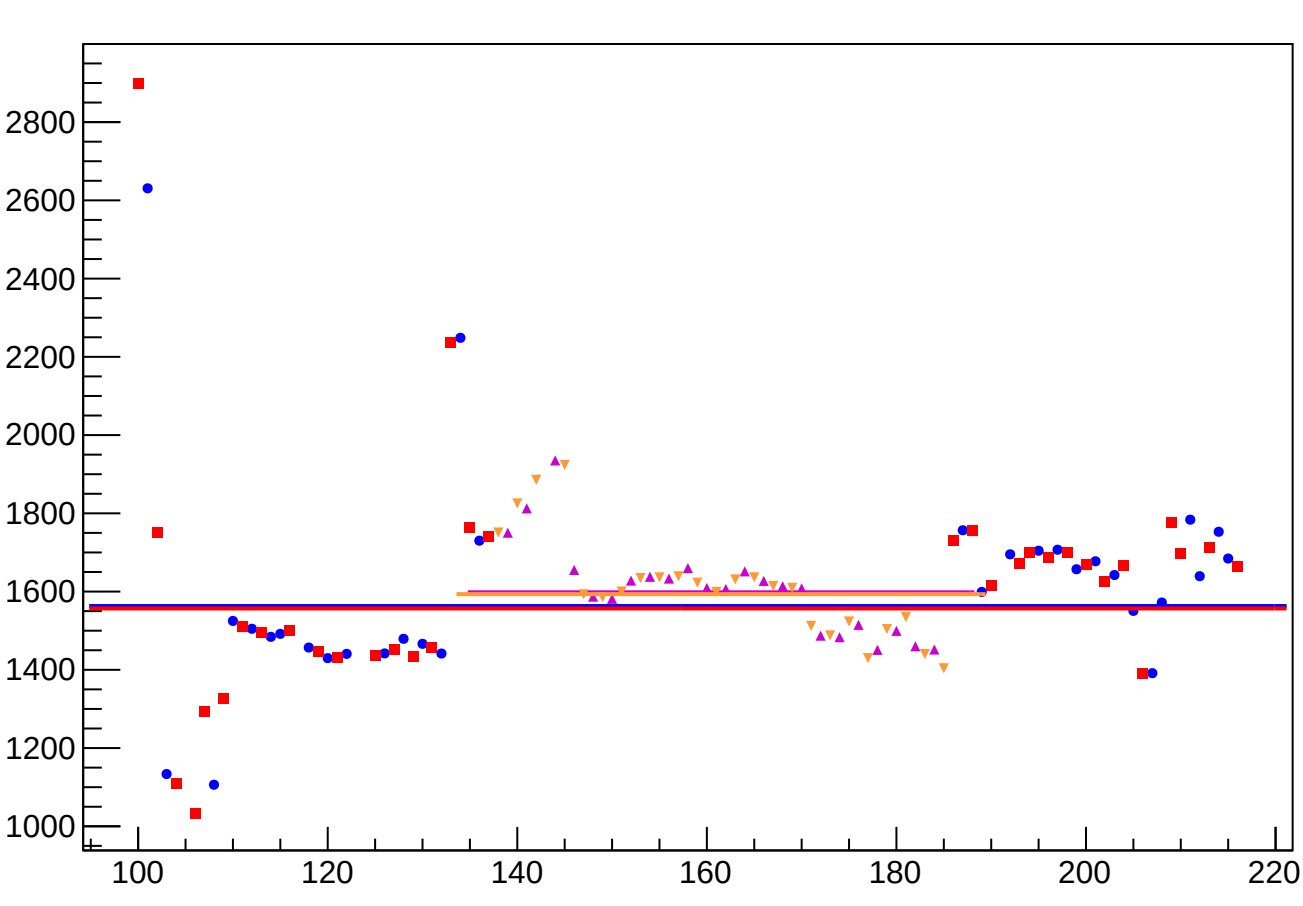
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -178.925+/-254.653 χ^2/NDF: 43.4/63

In: -711.253+/-259.349 χ^2/NDF:24.0/53

Out: 615.020+/-258.445 χ^2/NDF:86.3/56

All: -45.799+/-183.067 χ^2/NDF: 123.4/110



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: 1556.769+/-0.254 χ^2/NDF: 704088.3/32

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

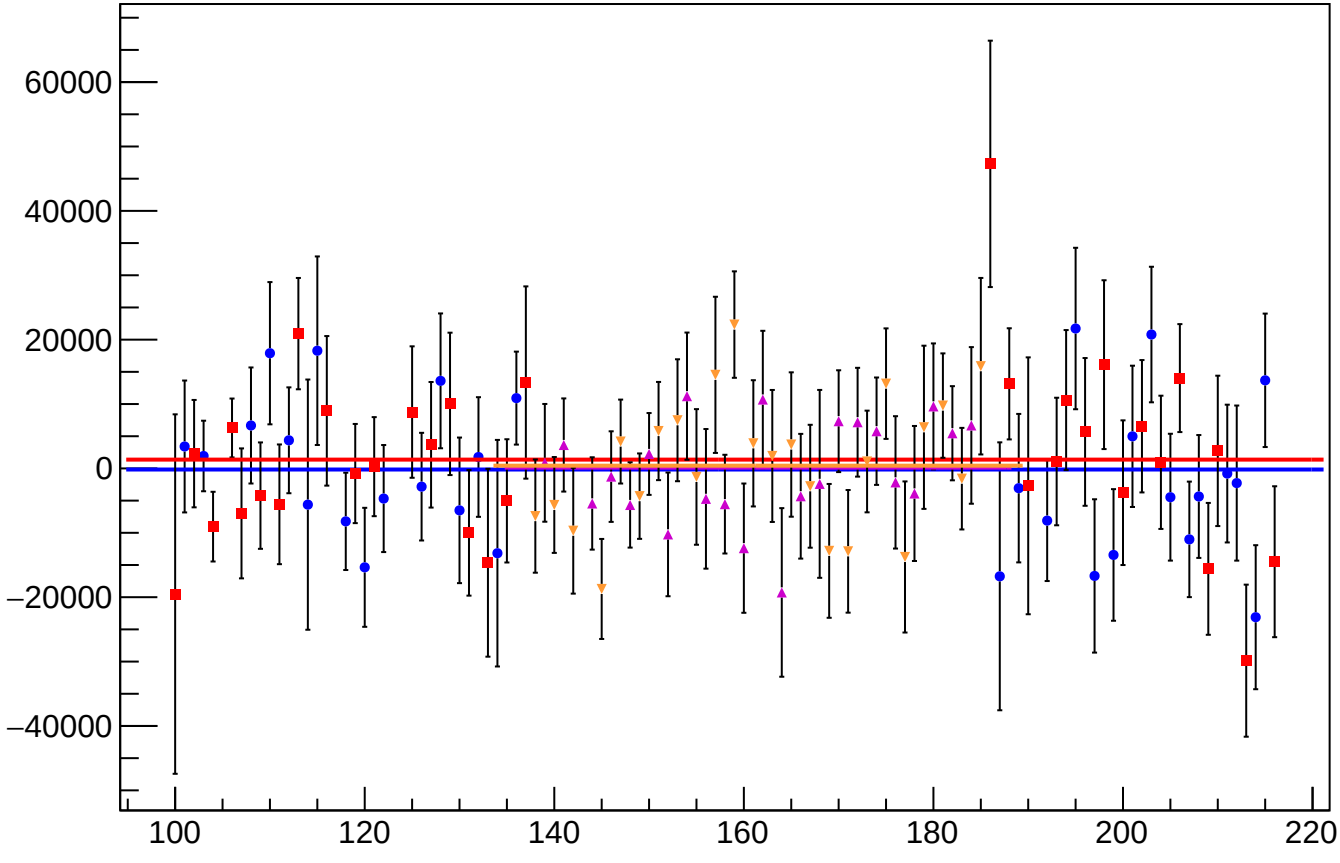
Right: 1559.885+/-0.180 χ^2/NDF: 1492140.4/63

In: 1579.888+/-0.183 χ^2/NDF:966055.7/53

Out: 1574.541+/-0.182 χ^2/NDF:901814.9/56

All: 1577.201+/-0.129 χ^2/NDF: 1868297.9/11

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -169.244+/-1760.737 χ^2/NDF: 34.9/30

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 1368.296+/-1643.685 χ^2/NDF: 41.7/32

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

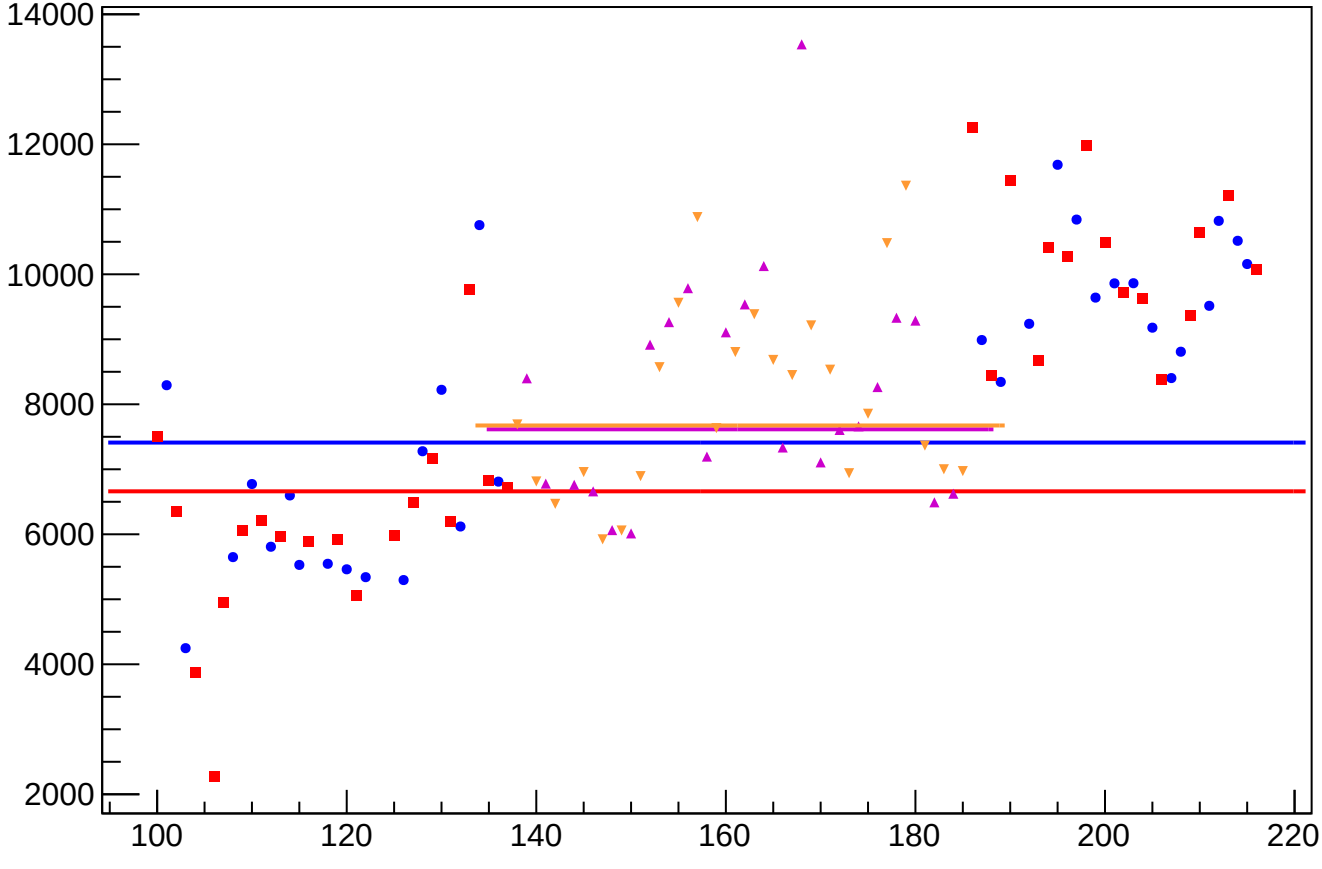
Right: 652.328+/-1201.512 χ^2/NDF: 77.0/63

In: -25.909+/-1263.720 χ^2/NDF:48.7/53

Out: 945.275+/-1219.808 χ^2/NDF:71.3/56

All: 476.849+/-877.648 χ^2/NDF: 120.3/110

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: 6660.885+/-1.162 χ^2/NDF: 5403485.3/32

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

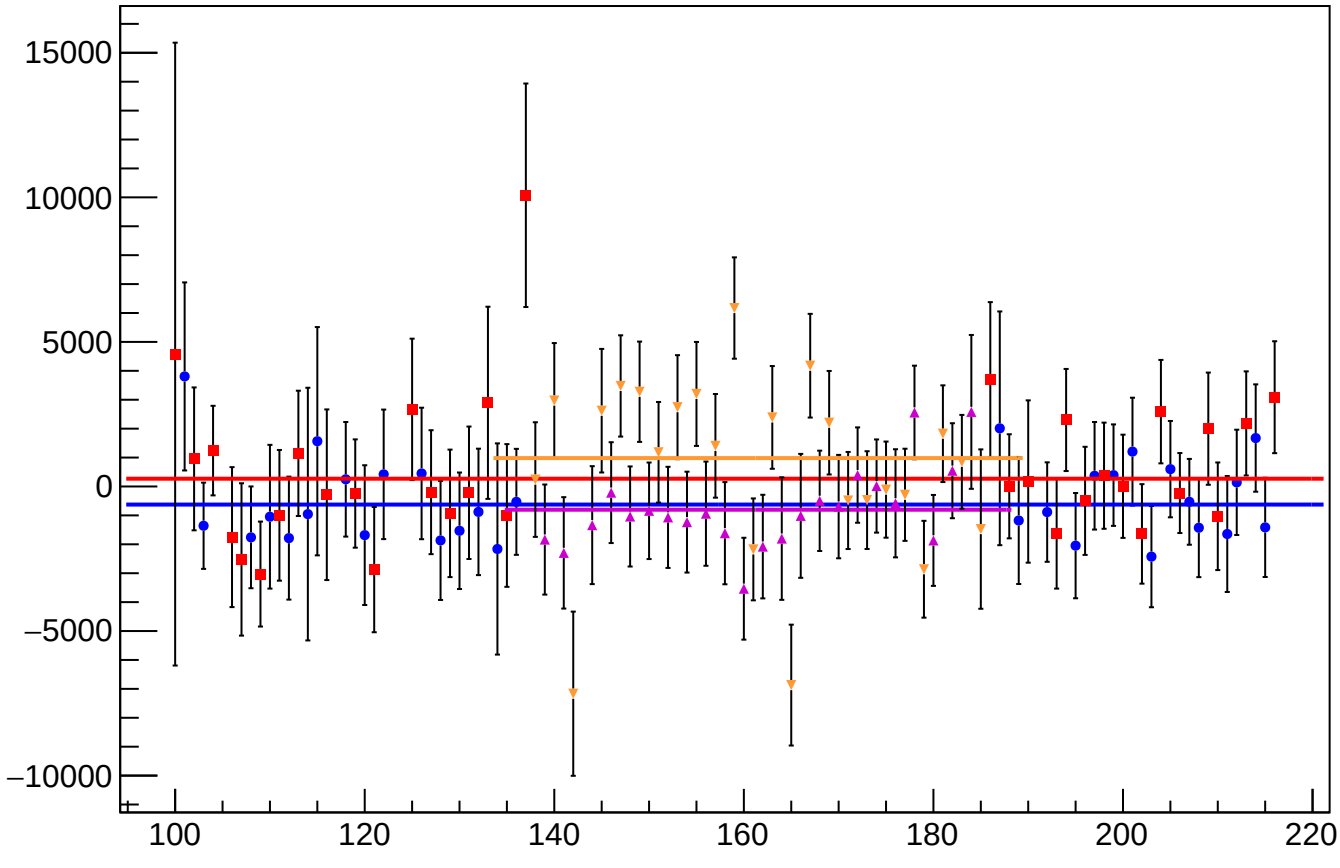
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 7010.214+/-0.850 χ^2/NDF: 8539368.5/63

In: 7509.937+/-0.894 χ^2/NDF:4179411.7/53

Out: 7116.065+/-0.863 χ^2/NDF:6821596.4/56

All: 7306.039+/-0.621 χ^2/NDF: 11101584.7/1



Right In: -625.523+/-359.895 χ^2/NDF: 11.5/30

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 268.865+/-360.373 χ^2/NDF: 28.8/32

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

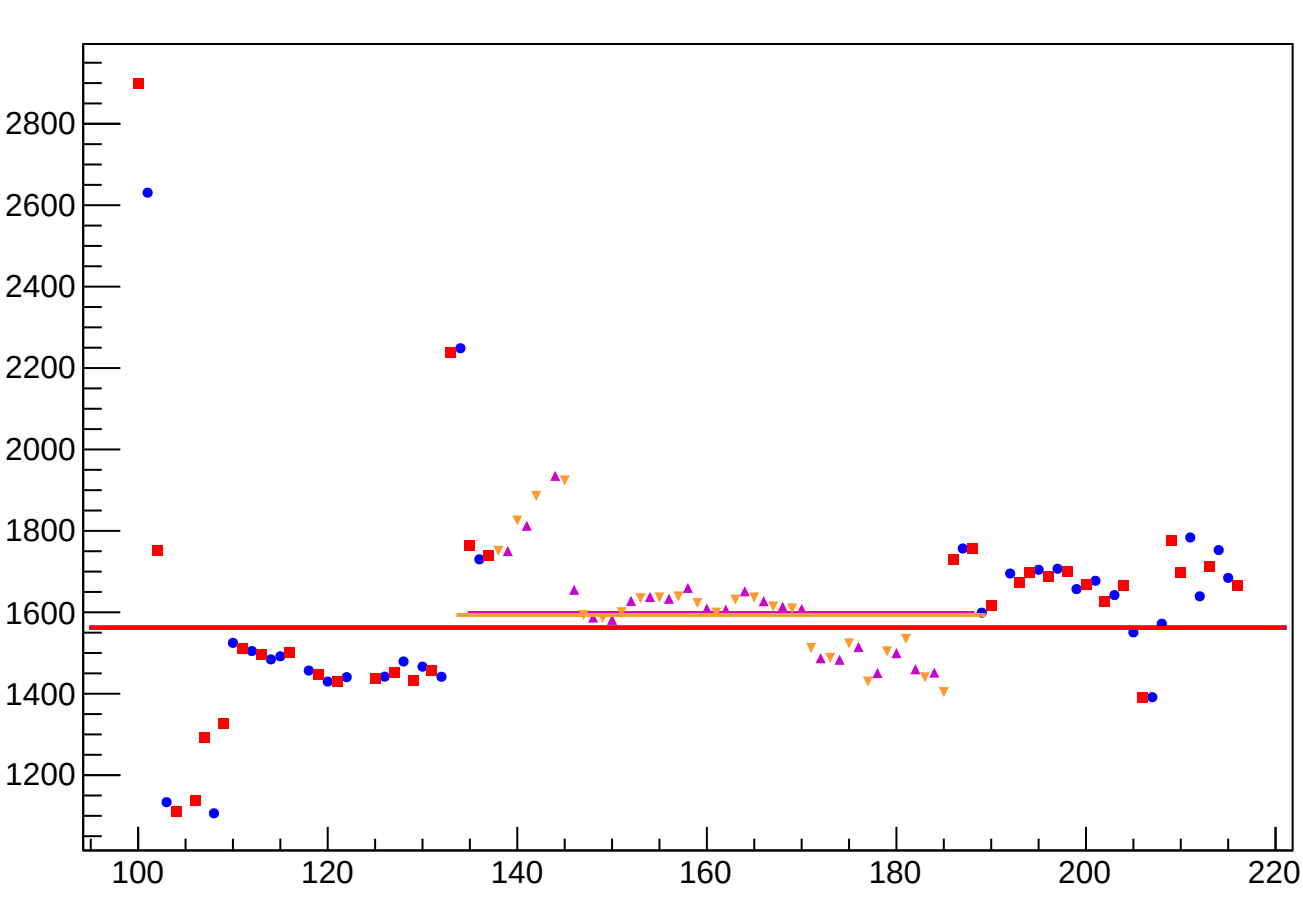
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -178.923+/-254.653 χ^2/NDF: 43.4/63

In: -711.213+/-259.349 χ^2/NDF:24.0/53

Out: 615.083+/-258.445 χ^2/NDF:86.3/56

All: -45.747+/-183.067 χ^2/NDF: 123.4/110



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: 1561.602+/-0.255 χ^2/NDF: 648533.9/32

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

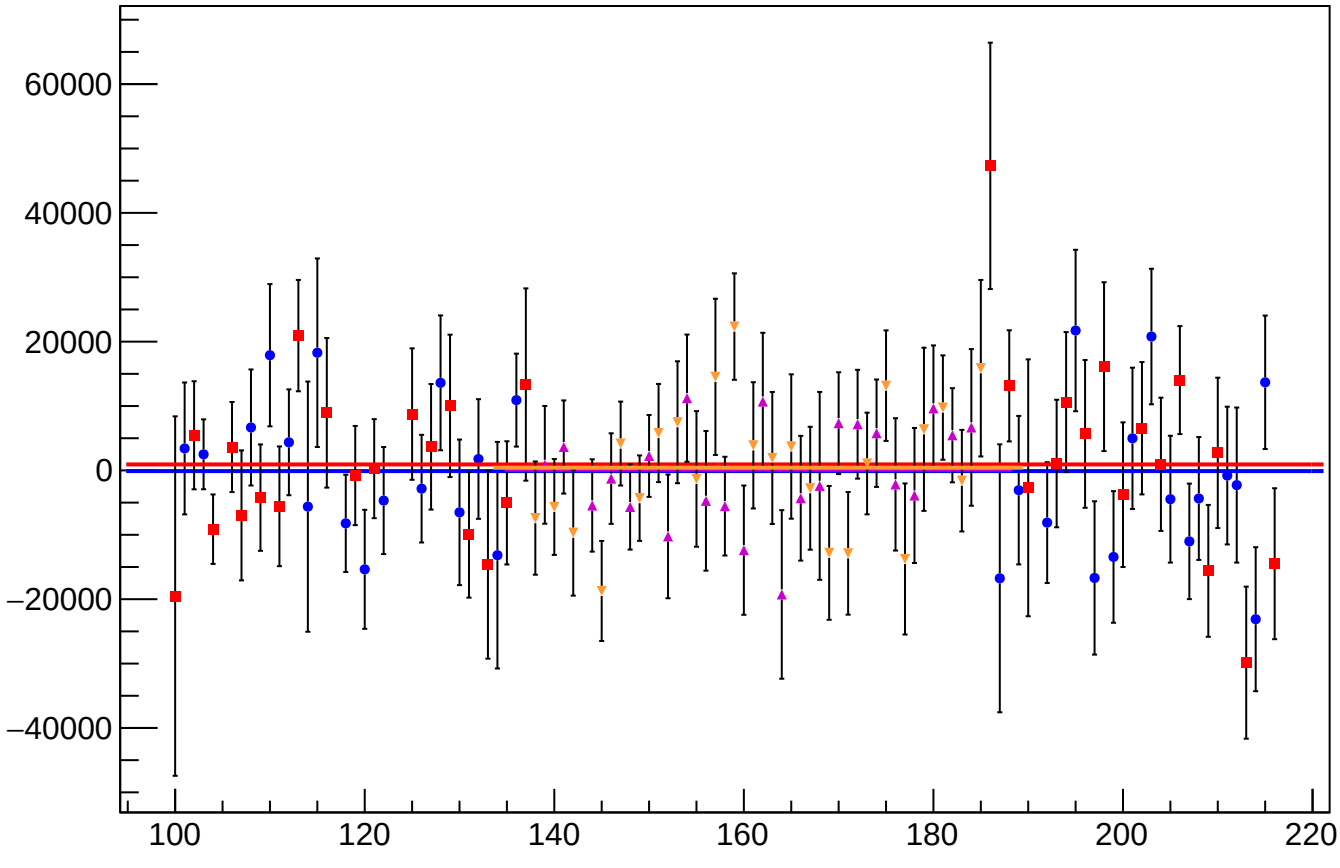
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1562.308+/-0.180 χ^2/NDF: 1436300.2/63

In: 1579.888+/-0.183 χ^2/NDF:966056.1/53

Out: 1577.070+/-0.183 χ^2/NDF:843756.7/56

All: 1578.473+/-0.129 χ^2/NDF: 1809931.4/11



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: 932.172+/-1707.994 χ^2/NDF: 40.9/32

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

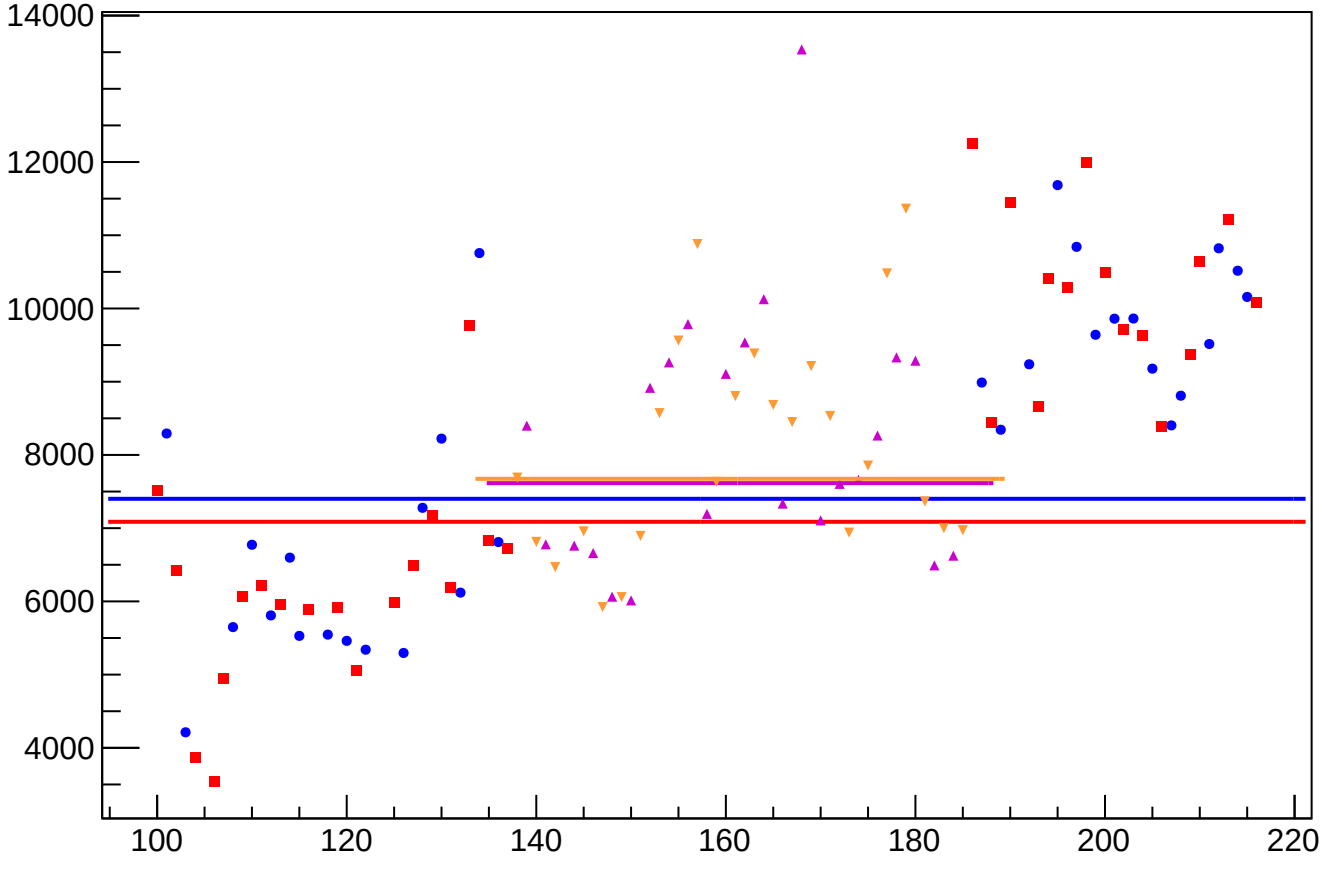
Right: 428.904+/-1225.360 χ^2/NDF: 76.1/63

In: 7.147+/-1263.066 χ^2/NDF:48.8/53

Out: 695.452+/-1245.411 χ^2/NDF:70.4/56

All: 356.144+/-886.815 χ^2/NDF: 119.3/110

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: 7086.964+/-1.208 χ^2/NDF: 3841008.4/32

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

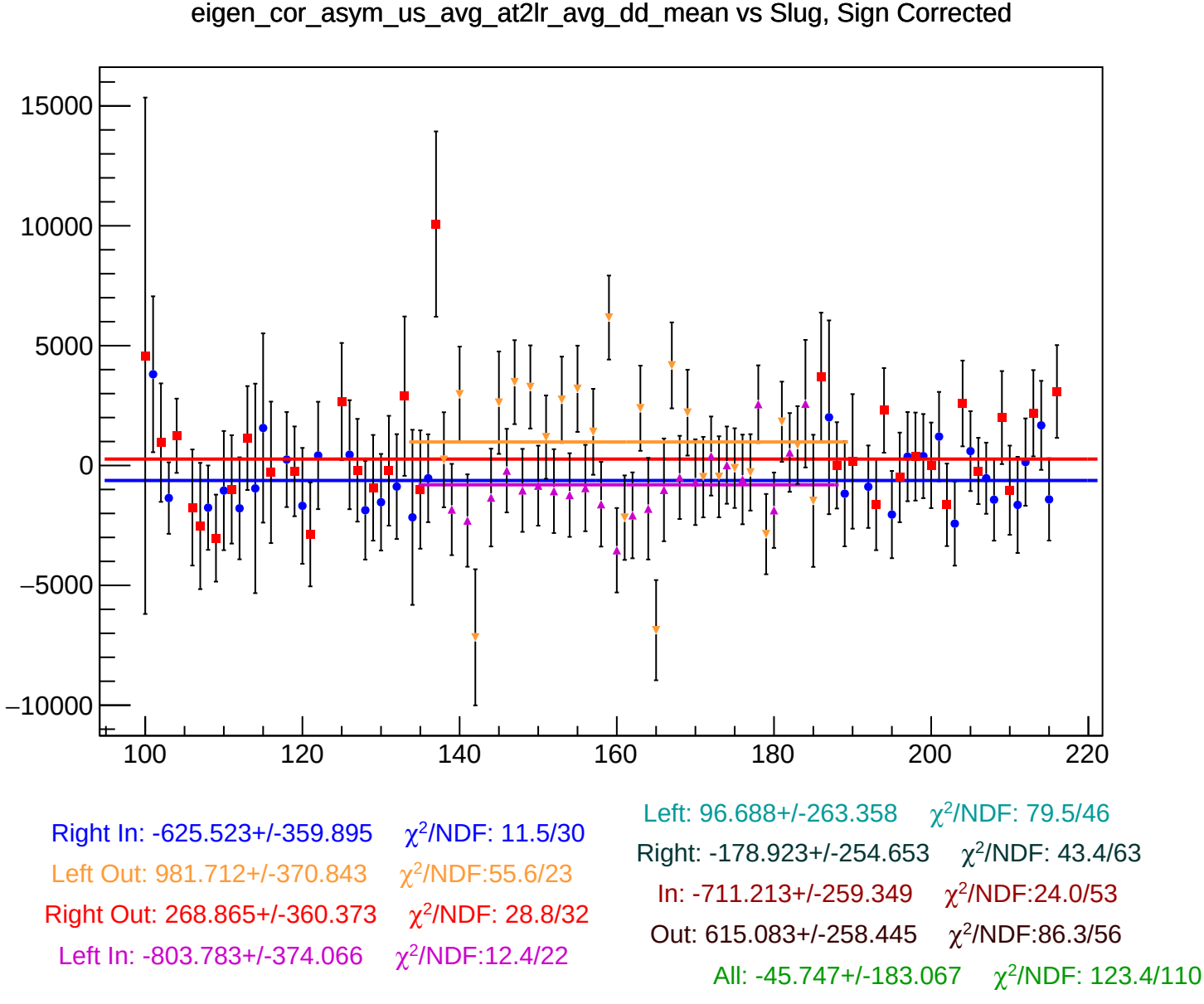
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

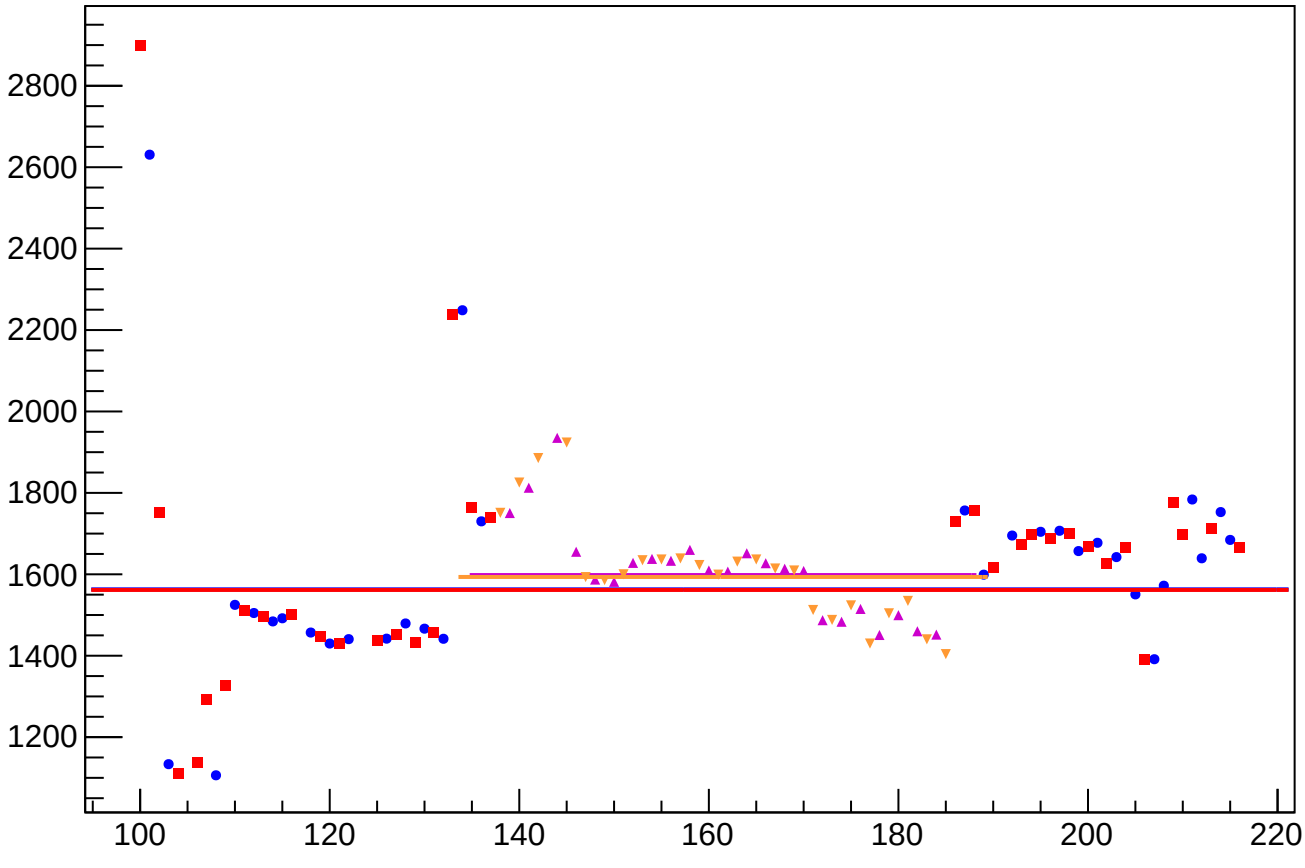
Right: 7239.350+/-0.866 χ^2/NDF: 6843981.5/63

In: 7504.623+/-0.893 χ^2/NDF:4209032.2/53

Out: 7361.912+/-0.881 χ^2/NDF:5028388.4/56

All: 7432.263+/-0.627 χ^2/NDF: 9250366.5/11


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: 268.865+/-360.373 χ²/NDF: 28.8/32
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -178.923+/-254.653 χ²/NDF: 43.4/63
In: -711.213+/-259.349 χ²/NDF:24.0/53
Out: 615.083+/-258.445 χ²/NDF:86.3/56
All: -45.747+/-183.067 χ²/NDF: 123.4/110



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: 1561.602+/-0.255 χ^2/NDF: 648533.9/32

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

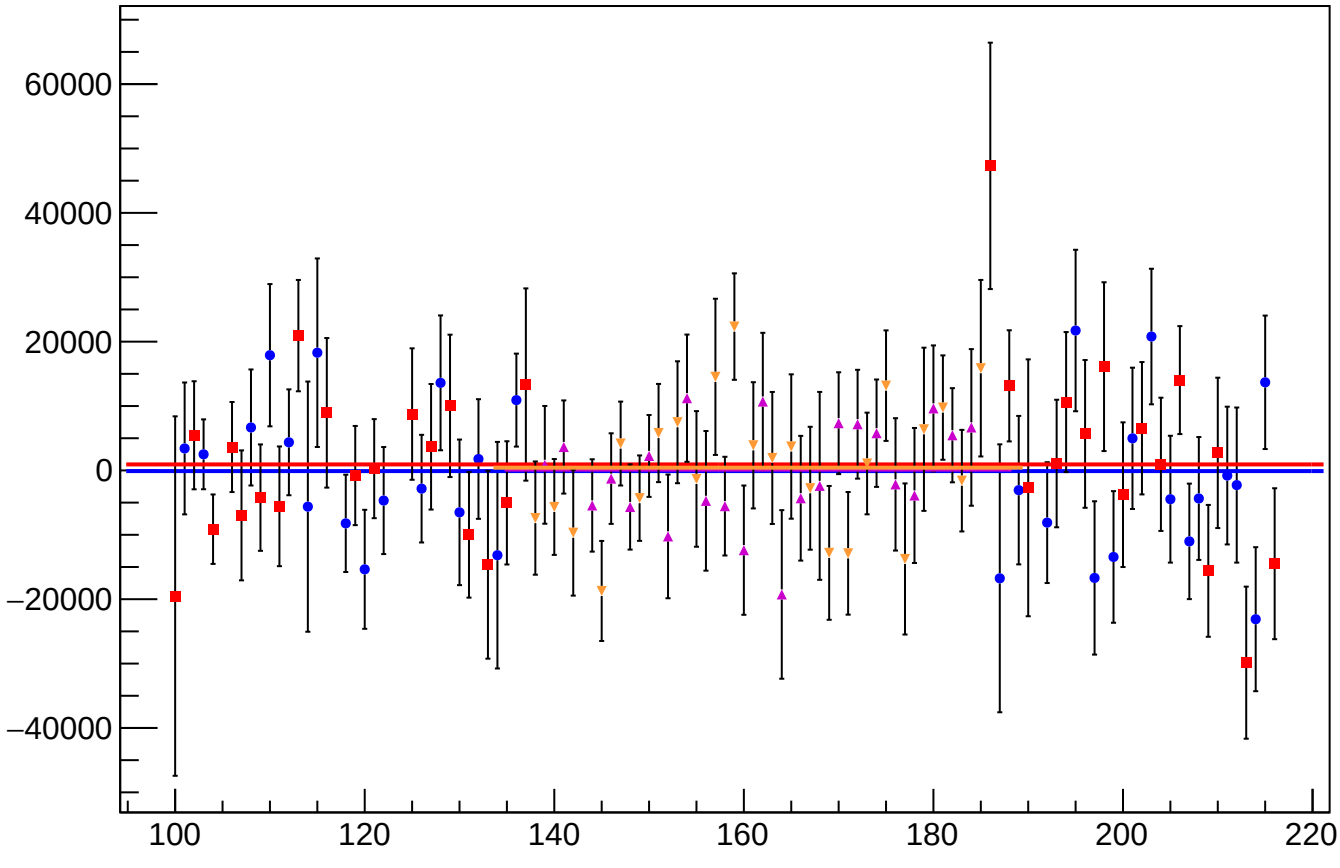
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1562.308+/-0.180 χ^2/NDF: 1436300.2/63

In: 1579.888+/-0.183 χ^2/NDF:966056.1/53

Out: 1577.070+/-0.183 χ^2/NDF:843756.7/56

All: 1578.473+/-0.129 χ^2/NDF: 1809931.4/11



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: 932.172+/-1707.994 χ^2/NDF: 40.9/32

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

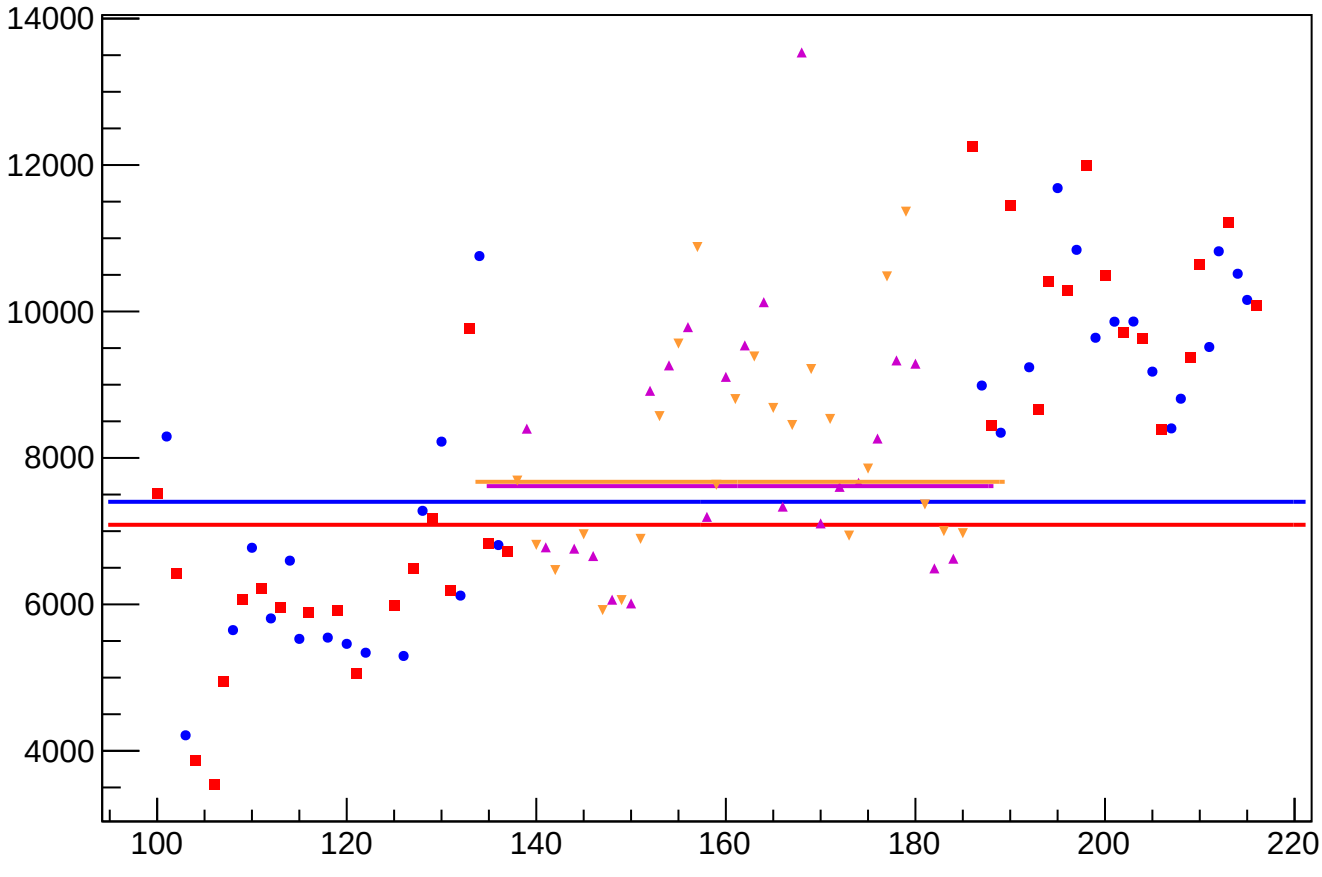
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 428.904+/-1225.360 χ^2/NDF: 76.1/63

In: 7.147+/-1263.066 χ^2/NDF:48.8/53

Out: 695.452+/-1245.411 χ^2/NDF:70.4/56

All: 356.144+/-886.815 χ^2/NDF: 119.3/110



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: 7086.964+/-1.208 χ^2/NDF: 3841008.4/32

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

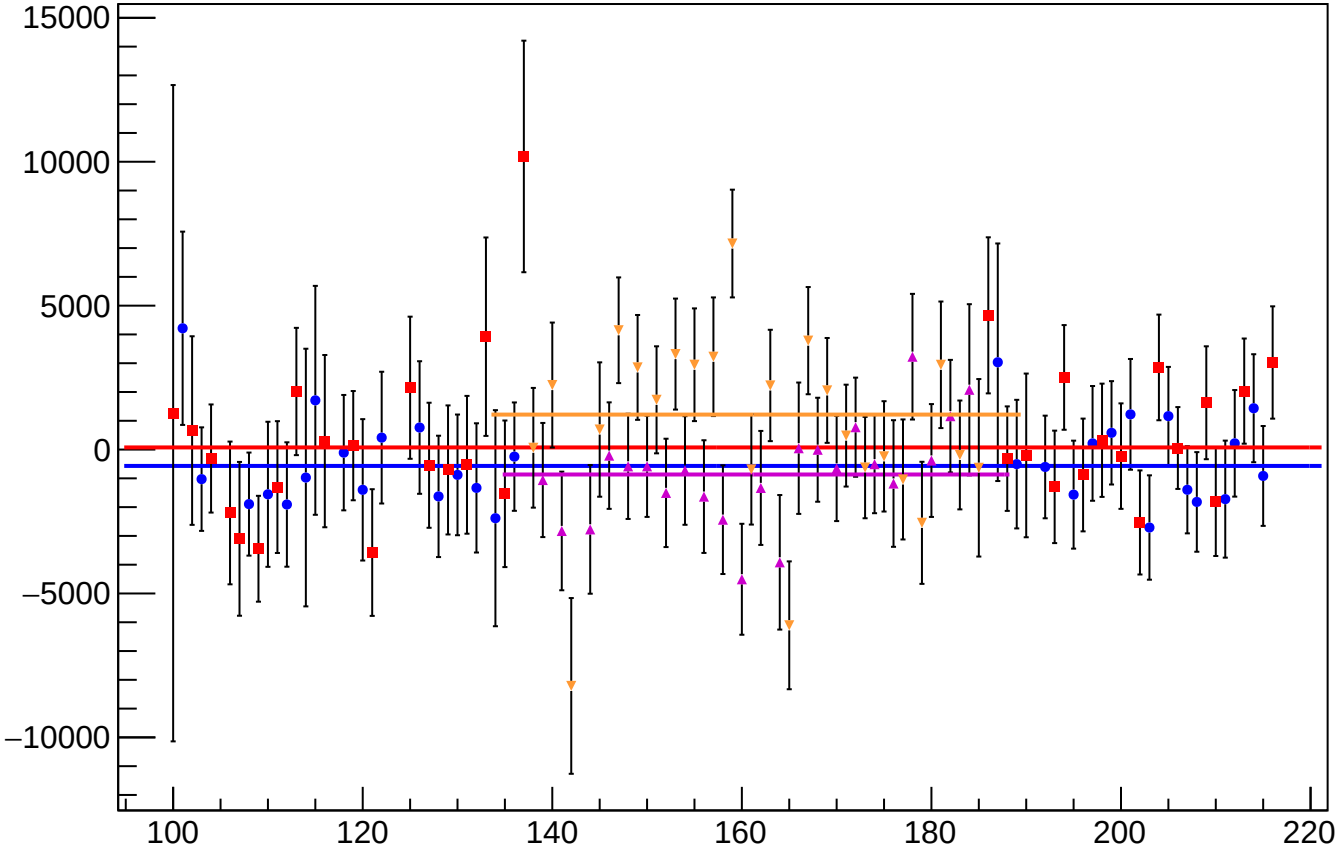
Right: 7239.350+/-0.866 χ^2/NDF: 6843981.5/63

In: 7504.623+/-0.893 χ^2/NDF:4209032.2/53

Out: 7361.912+/-0.881 χ^2/NDF:5028388.4/56

All: 7432.263+/-0.627 χ^2/NDF: 9250366.5/11

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



Right In: -568.310+/-371.423 χ^2/NDF: 12.3/30

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 74.224+/-373.543 χ^2/NDF: 33.7/32

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

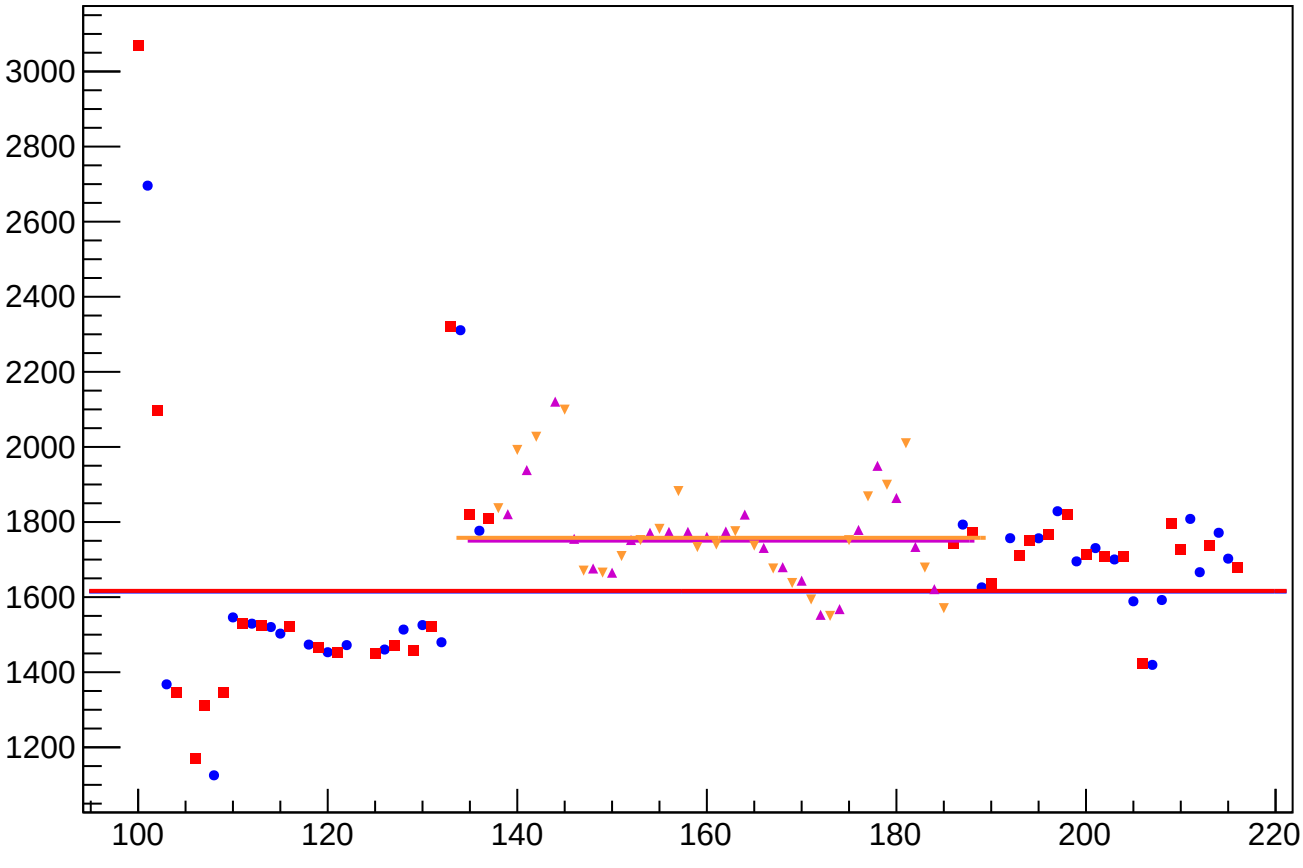
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -248.871+/-263.382 χ^2/NDF: 47.5/63

In: -702.490+/-275.278 χ^2/NDF:27.7/53

Out: 592.383+/-275.999 χ^2/NDF:86.4/56

All: -56.747+/-194.905 χ^2/NDF: 125.1/110



Right In: 1614.893+/-0.263 χ^2/NDF: 675500.5/30

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1616.638+/-0.264 χ^2/NDF: 570959.1/32

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

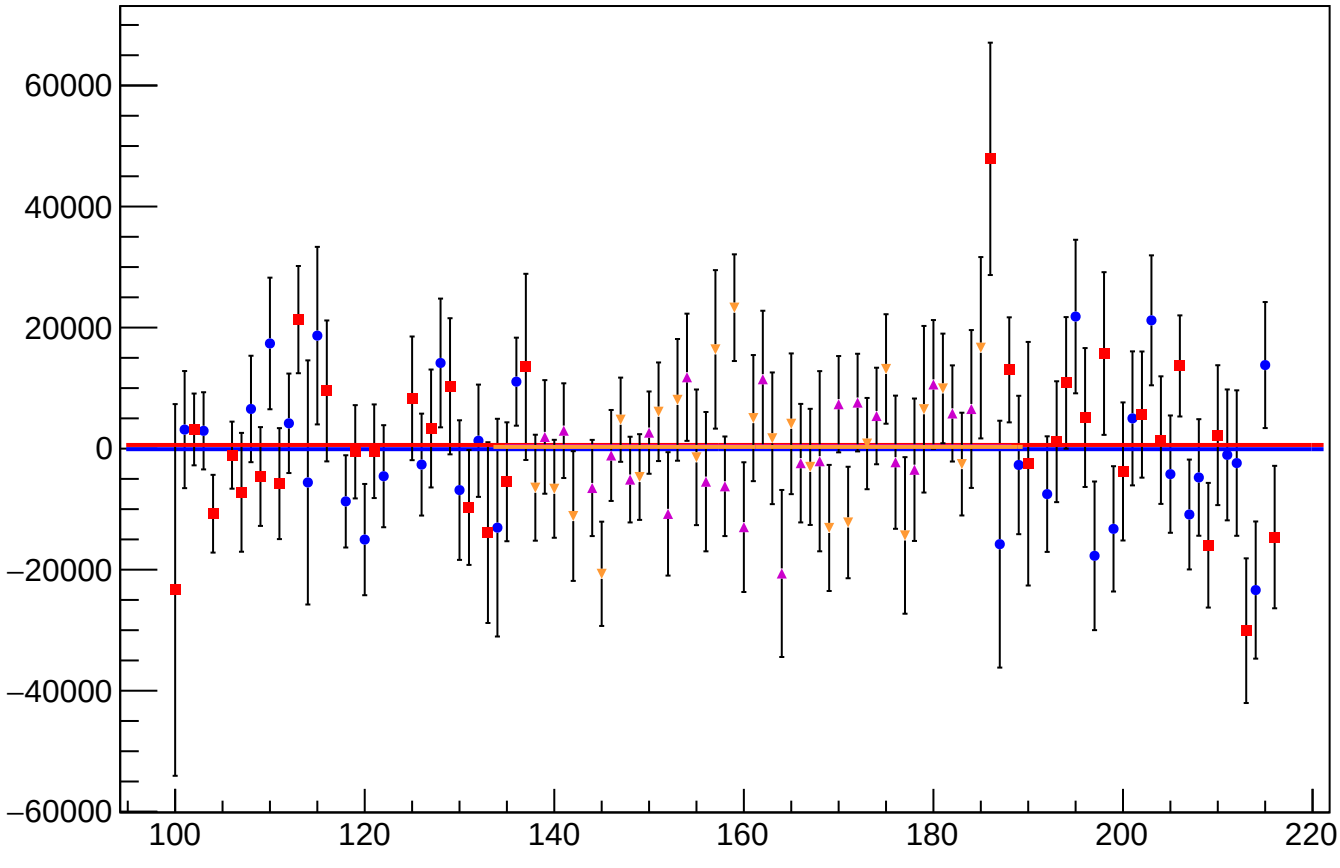
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1615.760+/-0.186 χ^2/NDF: 1246481.5/63

In: 1676.001+/-0.195 χ^2/NDF:967506.6/53

Out: 1680.802+/-0.195 χ^2/NDF:914253.4/56

All: 1678.396+/-0.138 χ^2/NDF: 1882063.3/11



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: 606.877+/-1673.921 χ^2/NDF: 40.4/32

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

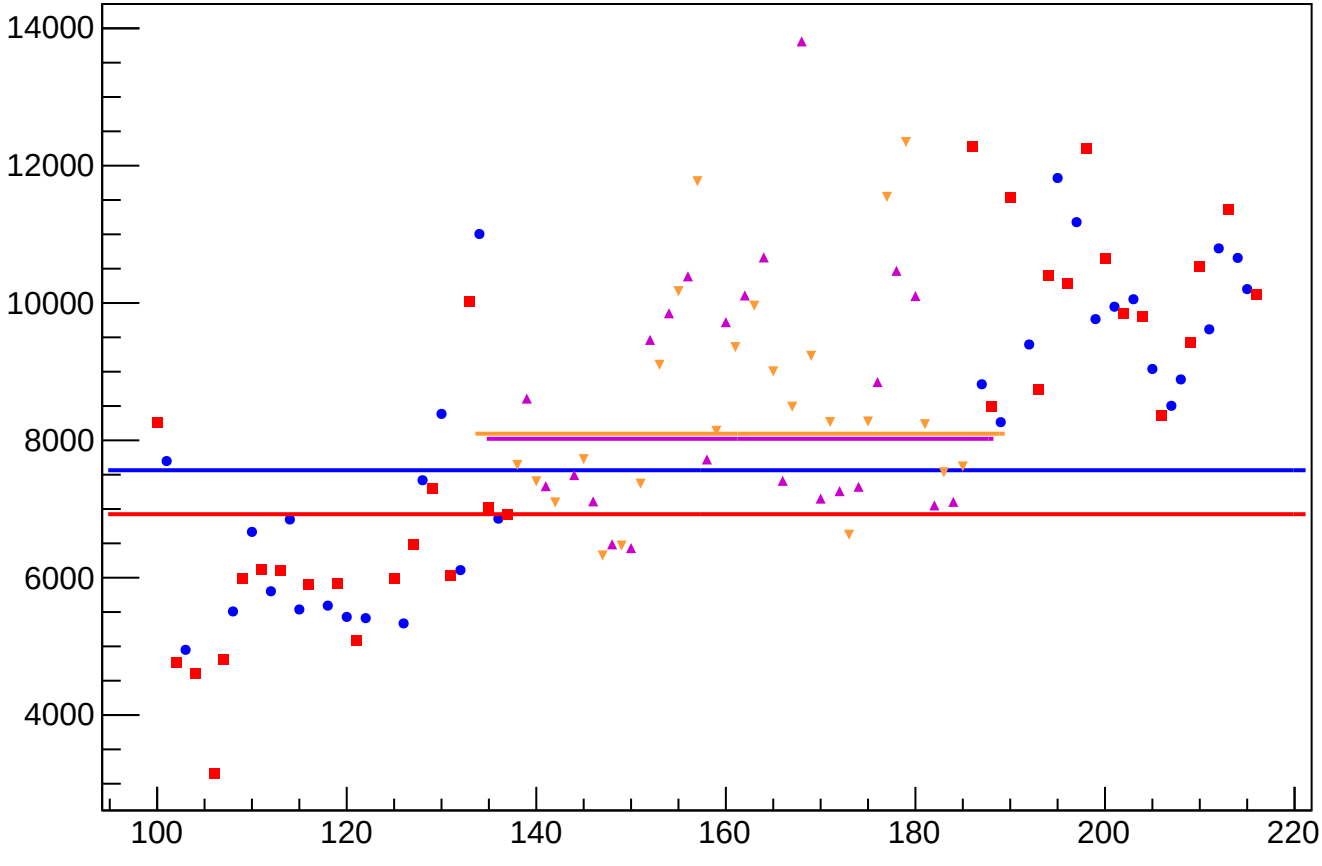
Right: 280.191+/-1222.837 χ^2/NDF: 75.2/63

In: 128.863+/-1307.112 χ^2/NDF:48.4/53

Out: 467.854+/-1261.770 χ^2/NDF:69.1/56

All: 304.340+/-907.813 χ^2/NDF: 117.4/110

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: 6924.637+/-1.184 χ^2/NDF: 4294740.2/32

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

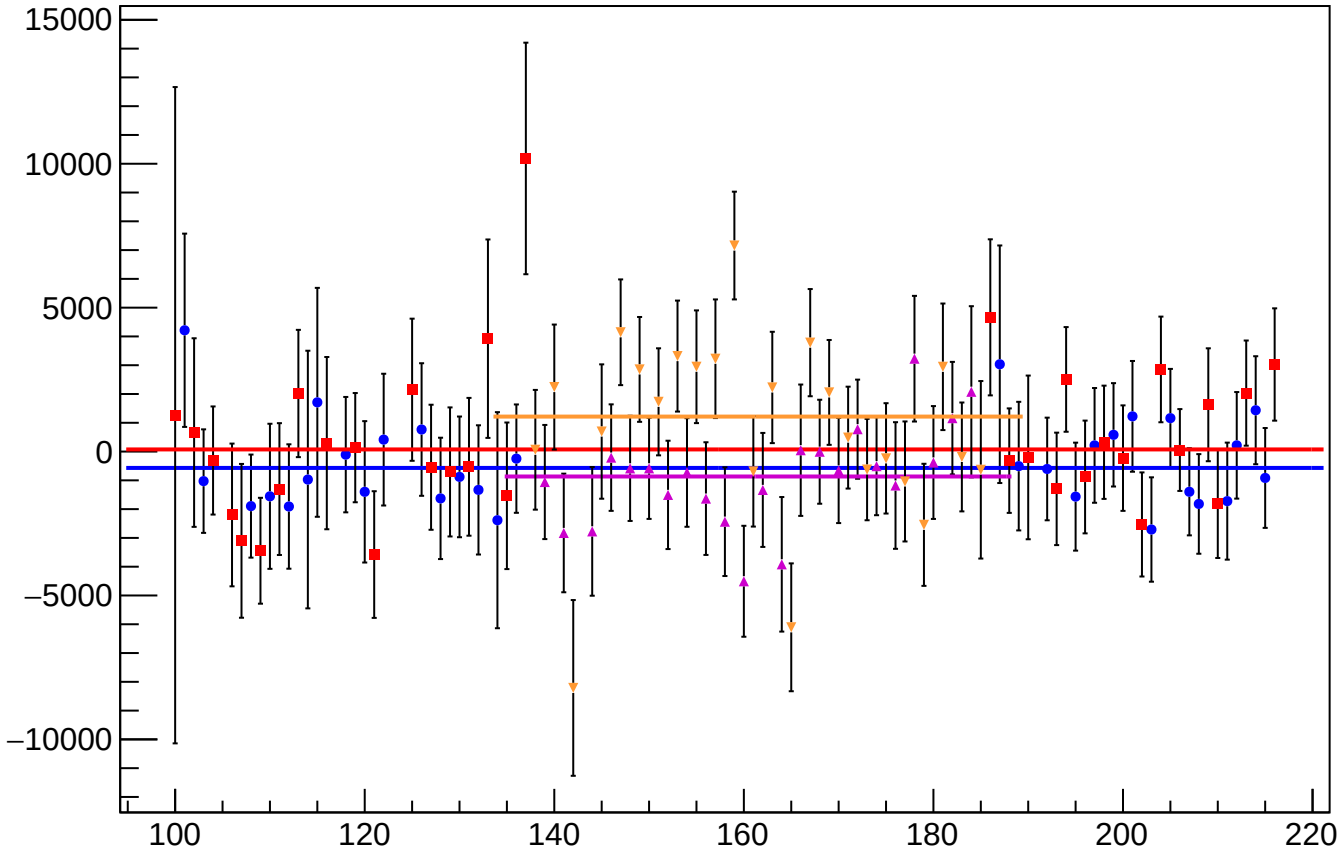
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 7223.139+/-0.865 χ^2/NDF: 7064400.0/63

In: 7778.696+/-0.924 χ^2/NDF:3919946.9/53

Out: 7430.803+/-0.892 χ^2/NDF:5806026.4/56

All: 7598.611+/-0.642 χ^2/NDF: 9799311.1/11



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: 74.223+/-373.543 χ^2/NDF: 33.7/32

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

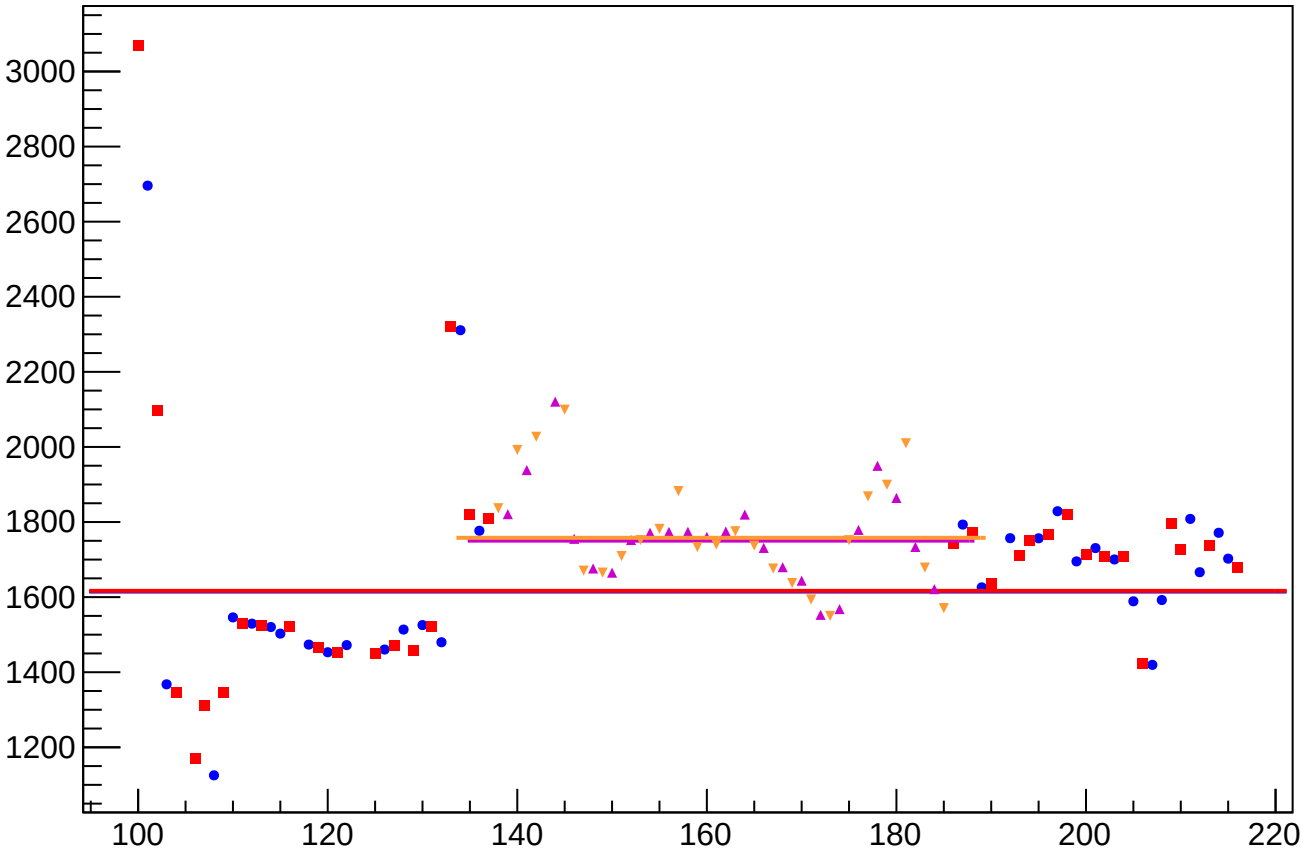
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -248.870+/-263.382 χ^2/NDF: 47.5/63

In: -702.488+/-275.278 χ^2/NDF:27.7/53

Out: 592.384+/-275.999 χ^2/NDF:86.4/56

All: -56.745+/-194.905 χ^2/NDF: 125.1/110



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: 1616.638+/-0.264 χ^2/NDF: 570960.1/32

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

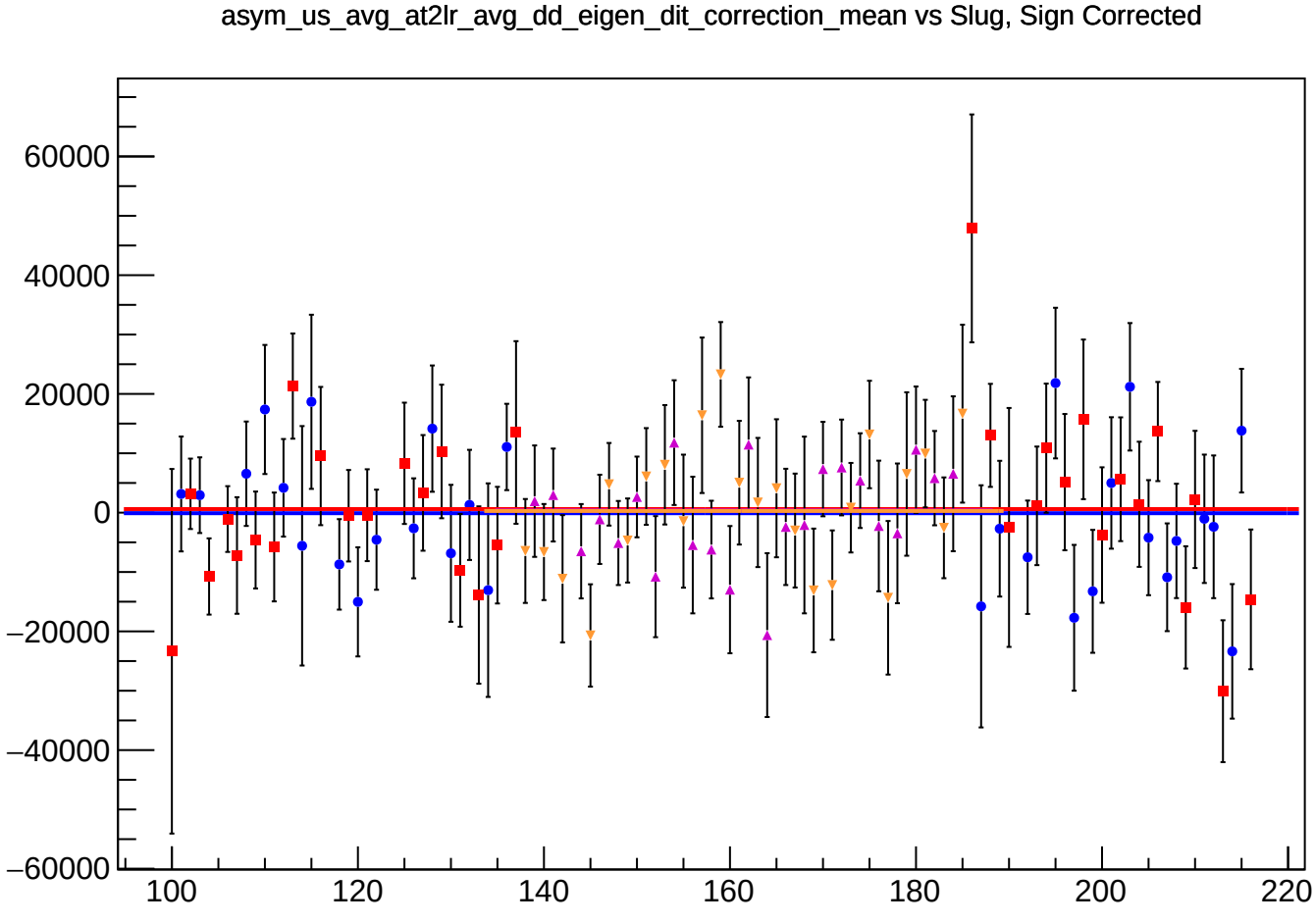
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1615.760+/-0.186 χ^2/NDF: 1246482.6/63

In: 1676.003+/-0.195 χ^2/NDF:967519.2/53

Out: 1680.803+/-0.195 χ^2/NDF:914267.2/56

All: 1678.397+/-0.138 χ^2/NDF: 1882089.8/11



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: 606.870+/-1673.920 χ^2/NDF: 40.4/32

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

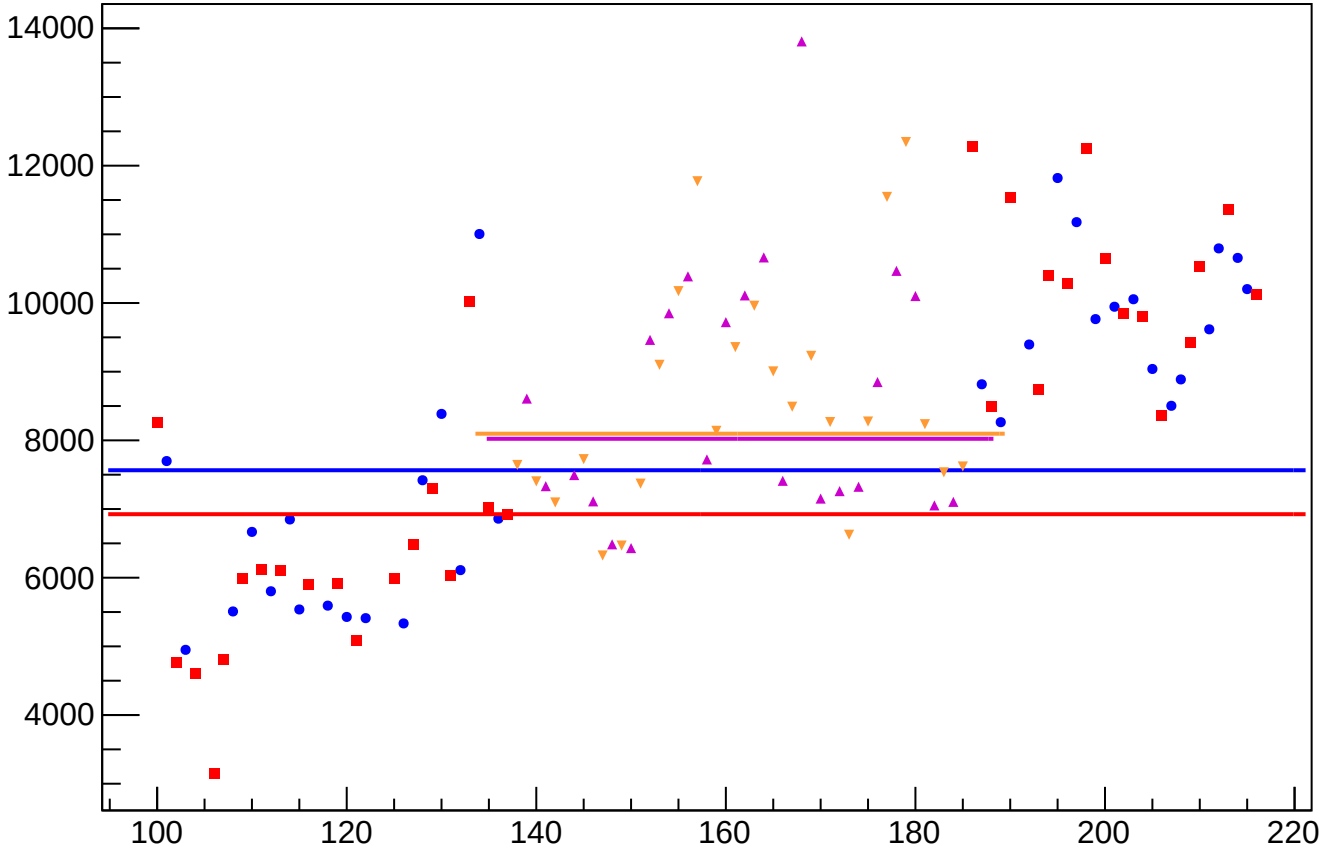
Right: 280.184+/-1222.836 χ^2/NDF: 75.2/63

In: 128.860+/-1307.113 χ^2/NDF:48.4/53

Out: 467.850+/-1261.770 χ^2/NDF:69.1/56

All: 304.337+/-907.813 χ^2/NDF: 117.4/110

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: 6924.628+/-1.184 χ^2/NDF: 4294773.4/32

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

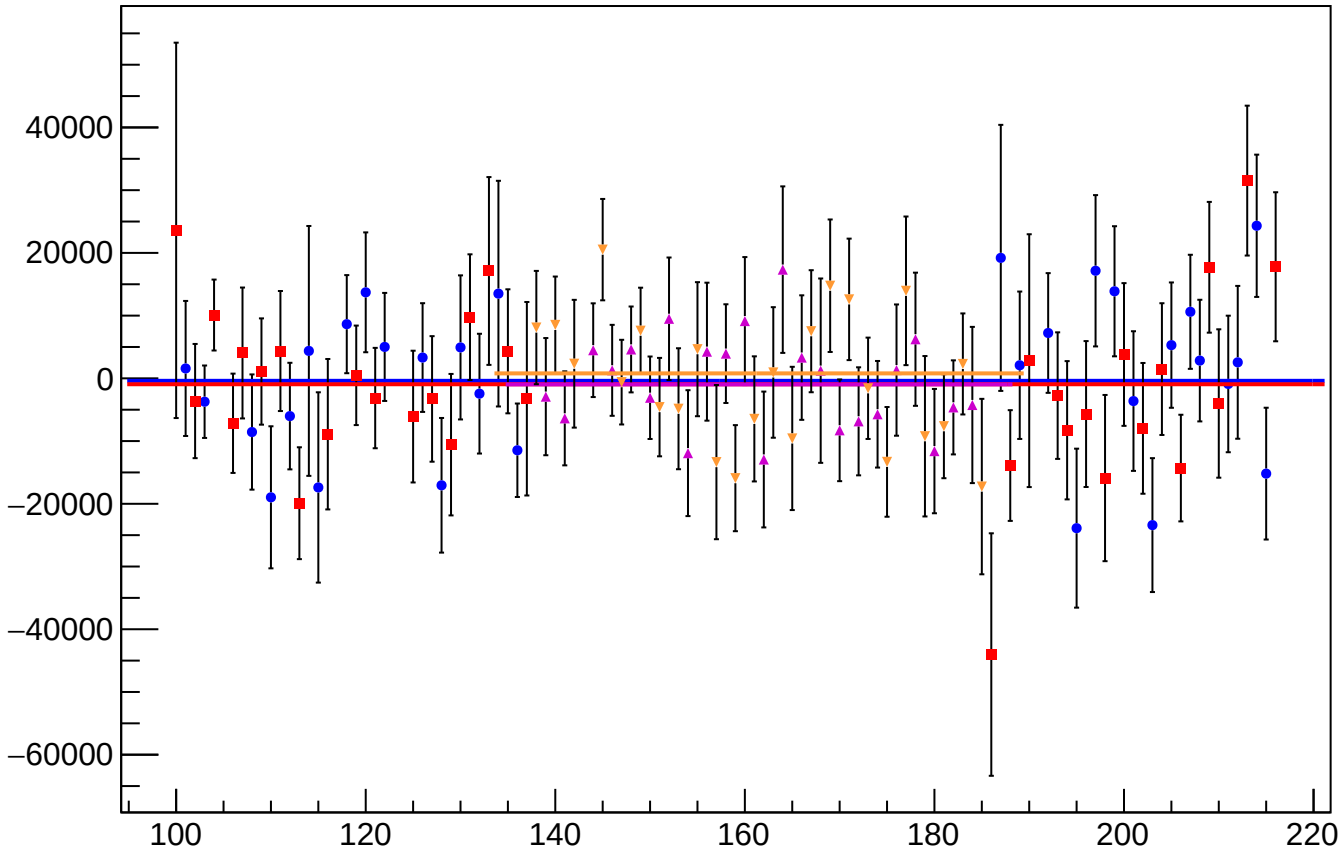
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 7223.131+/-0.865 χ^2/NDF: 7064469.9/63

In: 7778.697+/-0.924 χ^2/NDF:3919991.9/53

Out: 7430.801+/-0.892 χ^2/NDF:5806077.5/56

All: 7598.610+/-0.642 χ^2/NDF: 9799408.1/11



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: -939.908+/-1765.882 χ^2/NDF: 40.1/32

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

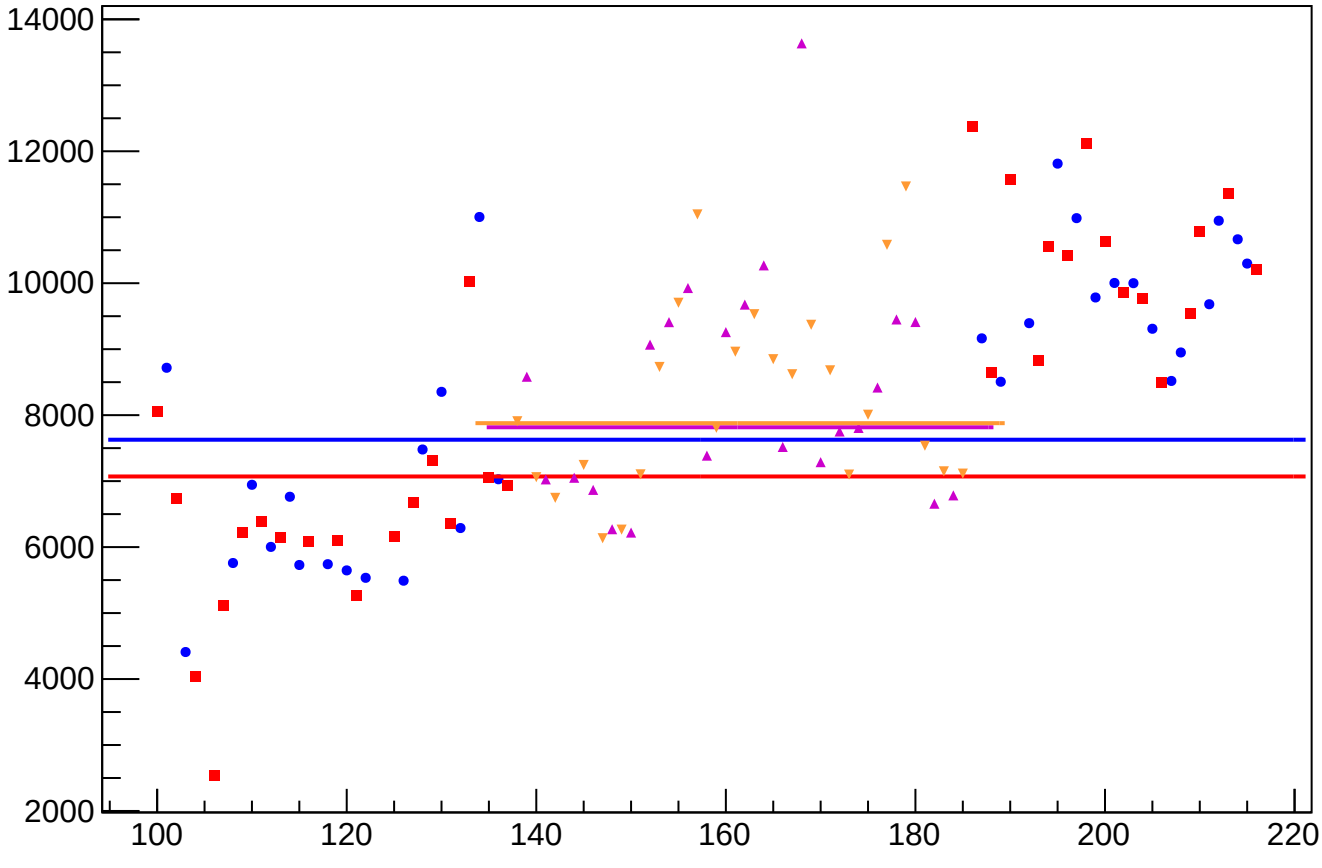
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -674.078+/-1263.315 χ^2/NDF: 77.8/63

In: -671.645+/-1296.440 χ^2/NDF:50.4/53

Out: -121.597+/-1282.312 χ^2/NDF:67.8/56

All: -393.607+/-911.686 χ^2/NDF: 118.3/110



Right In: 7627.527+/-1.278 χ^2/NDF: 2758758.6/30

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 7070.516+/-1.220 χ^2/NDF: 4502658.0/32

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

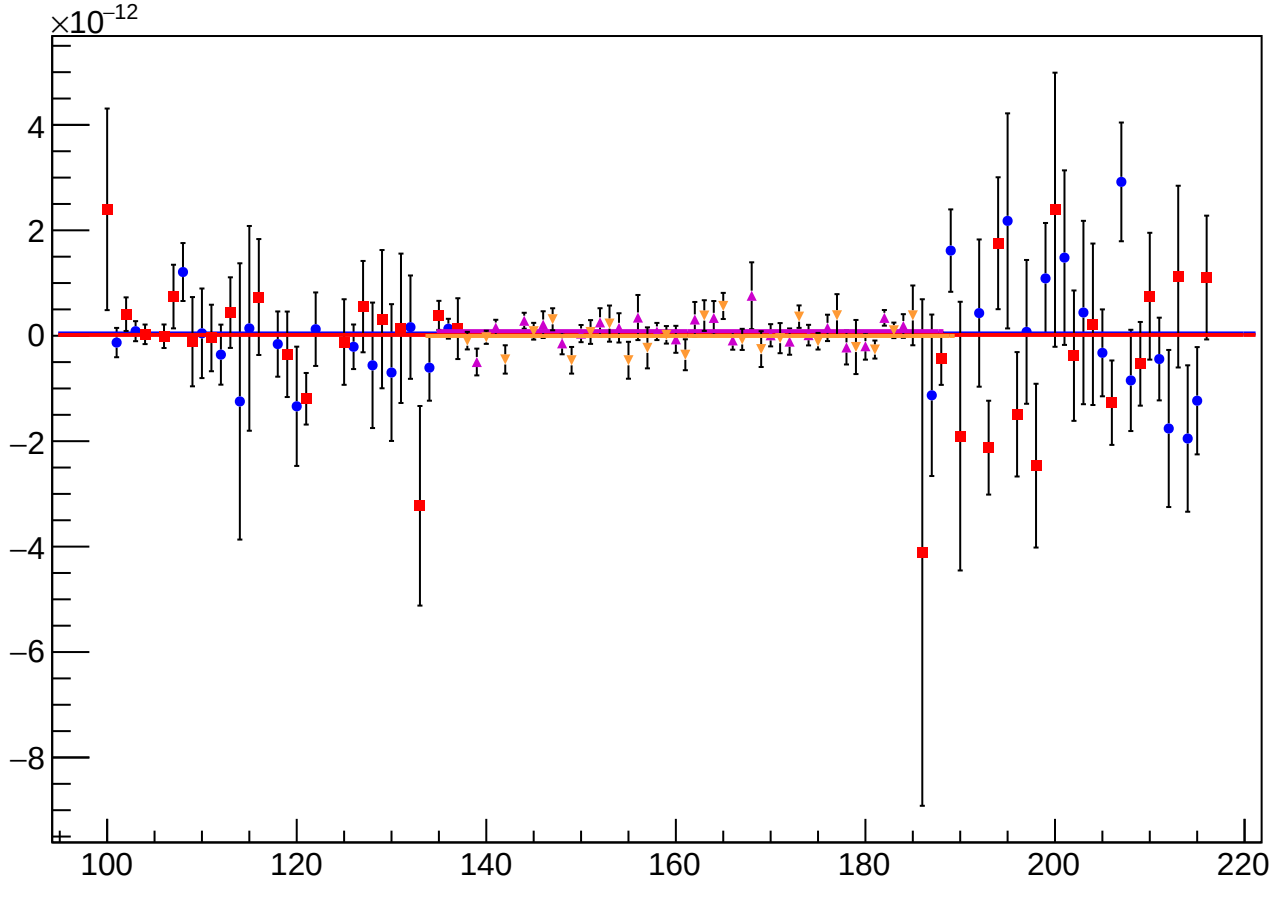
Right: 7335.978+/-0.883 χ^2/NDF: 7360770.0/63

In: 7719.316+/-0.917 χ^2/NDF:3901735.8/53

Out: 7443.077+/-0.896 χ^2/NDF:5694975.1/56

All: 7577.971+/-0.641 χ^2/NDF: 9643172.3/11

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/32

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

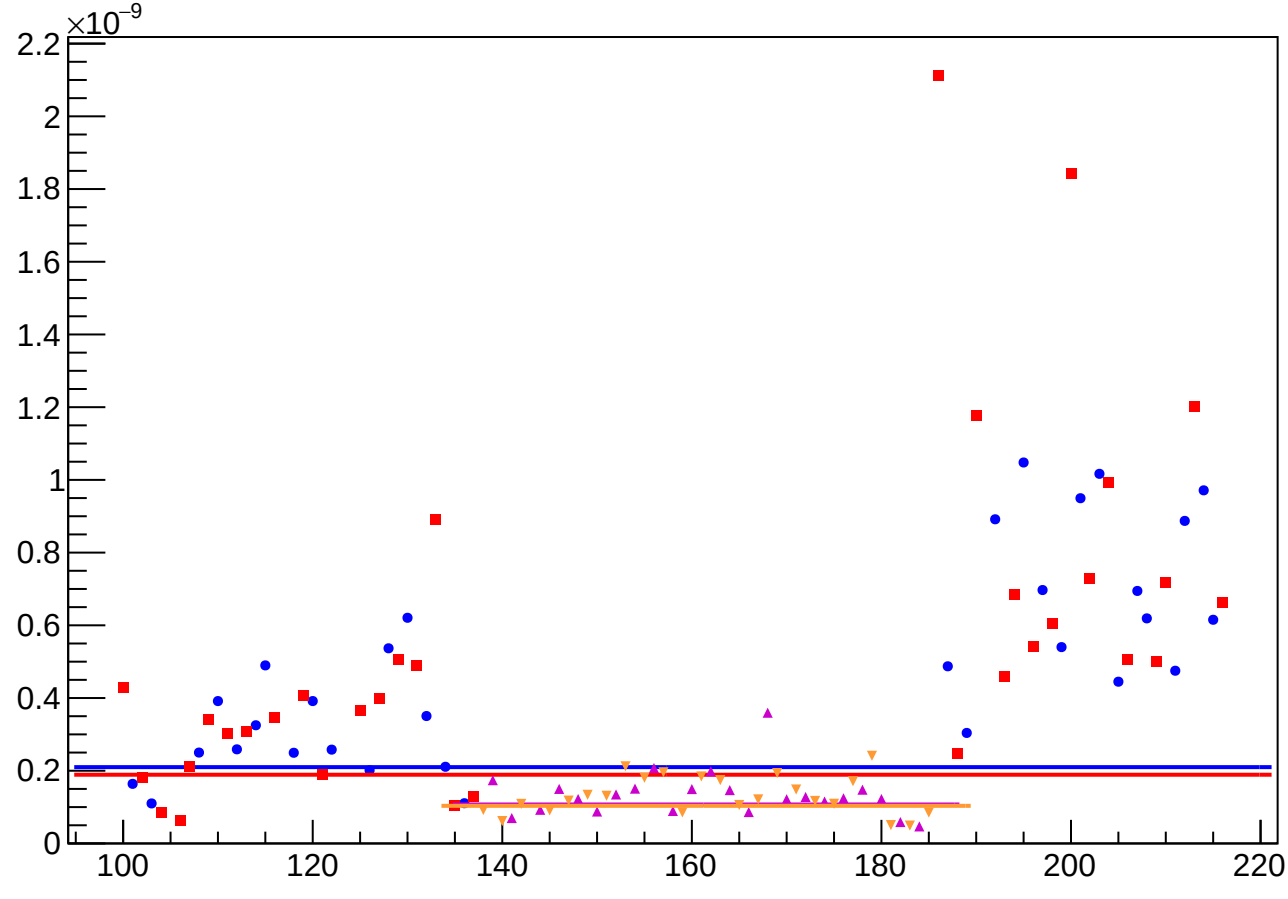
Right: 0.000+/-0.000 χ^2/NDF: 66.9/63

In: 0.000+/-0.000 χ^2/NDF:49.7/53

Out: -0.000+/-0.000 χ^2/NDF:65.3/56

All: 0.000+/-0.000 χ^2/NDF: 117.0/110

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: 7830479.4/32

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

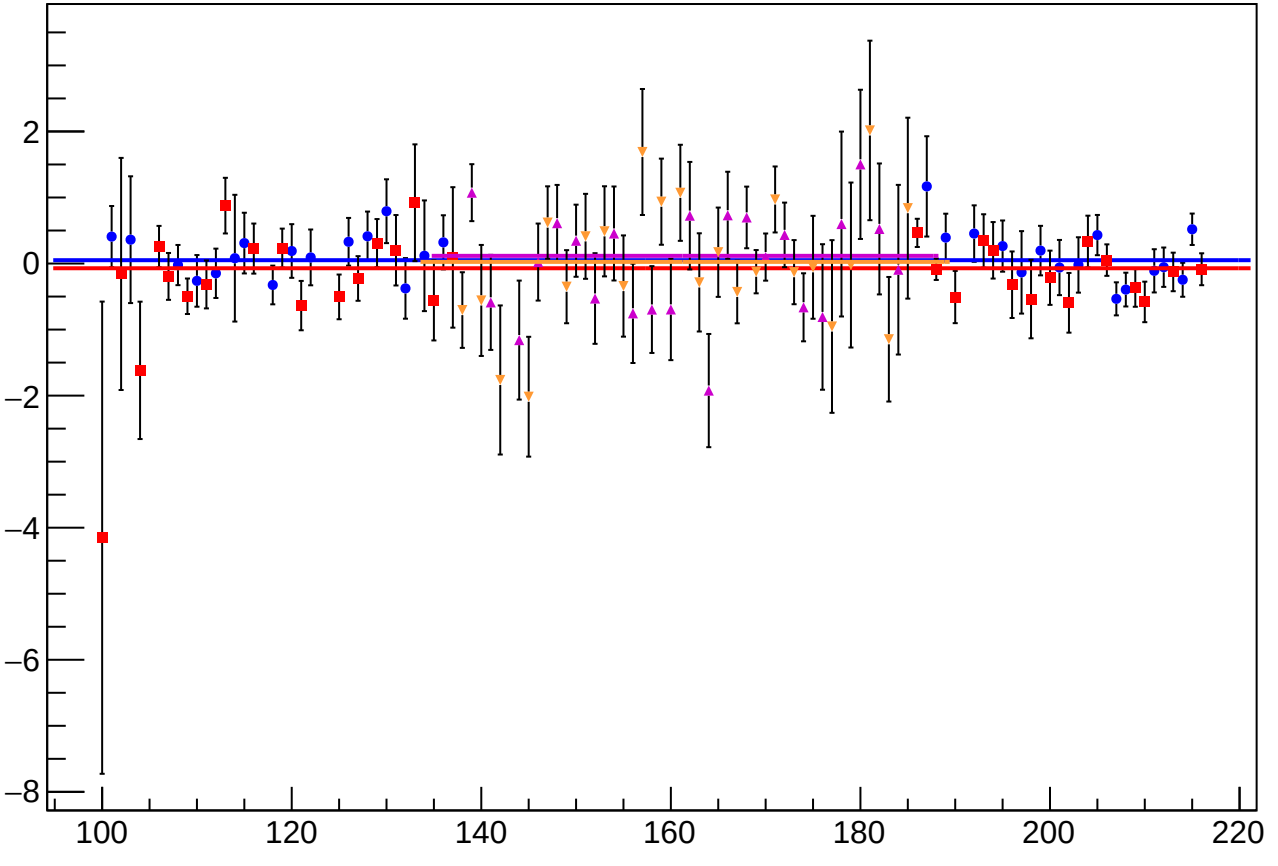
Right: 0.000+/-0.000 χ^2/NDF: 14311174.7/63

In: 0.000+/-0.000 χ^2/NDF:9854296.6/53

Out: 0.000+/-0.000 χ^2/NDF:11046710.2/56

All: 0.000+/-0.000 χ^2/NDF: 20929490.8/110

asym_us_avg_at2lr_avg_dd_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+/-0.060 χ^2/NDF: 38.4/32

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

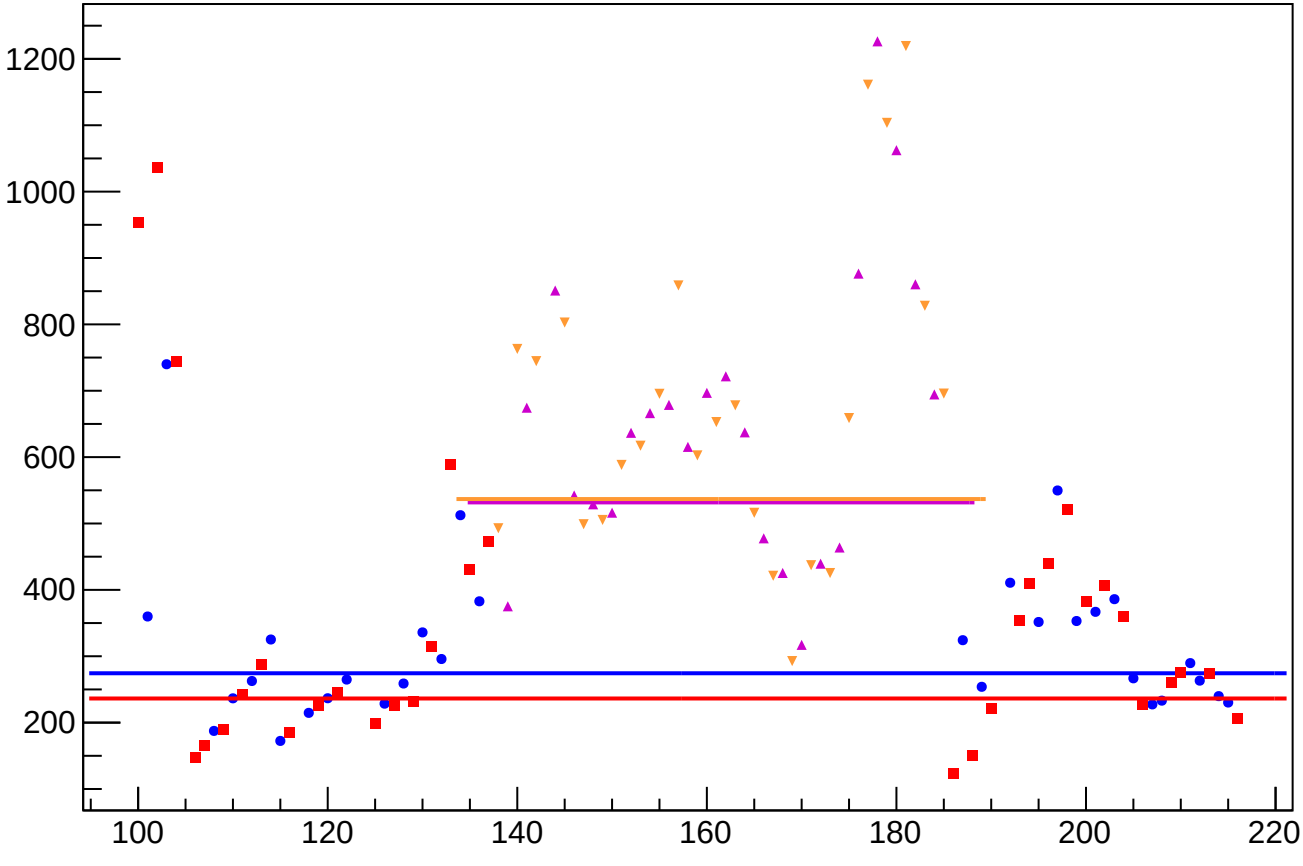
Right: -0.016+/-0.044 χ^2/NDF: 69.4/63

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.055+/-0.055 χ^2/NDF:67.9/56

All: -0.000+/-0.040 χ^2/NDF: 127.2/110

asym_us_avg_at2lr_avg_dd_dit_vs_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: 236.350+/-0.042 χ^2/NDF: 5301432.1/32

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

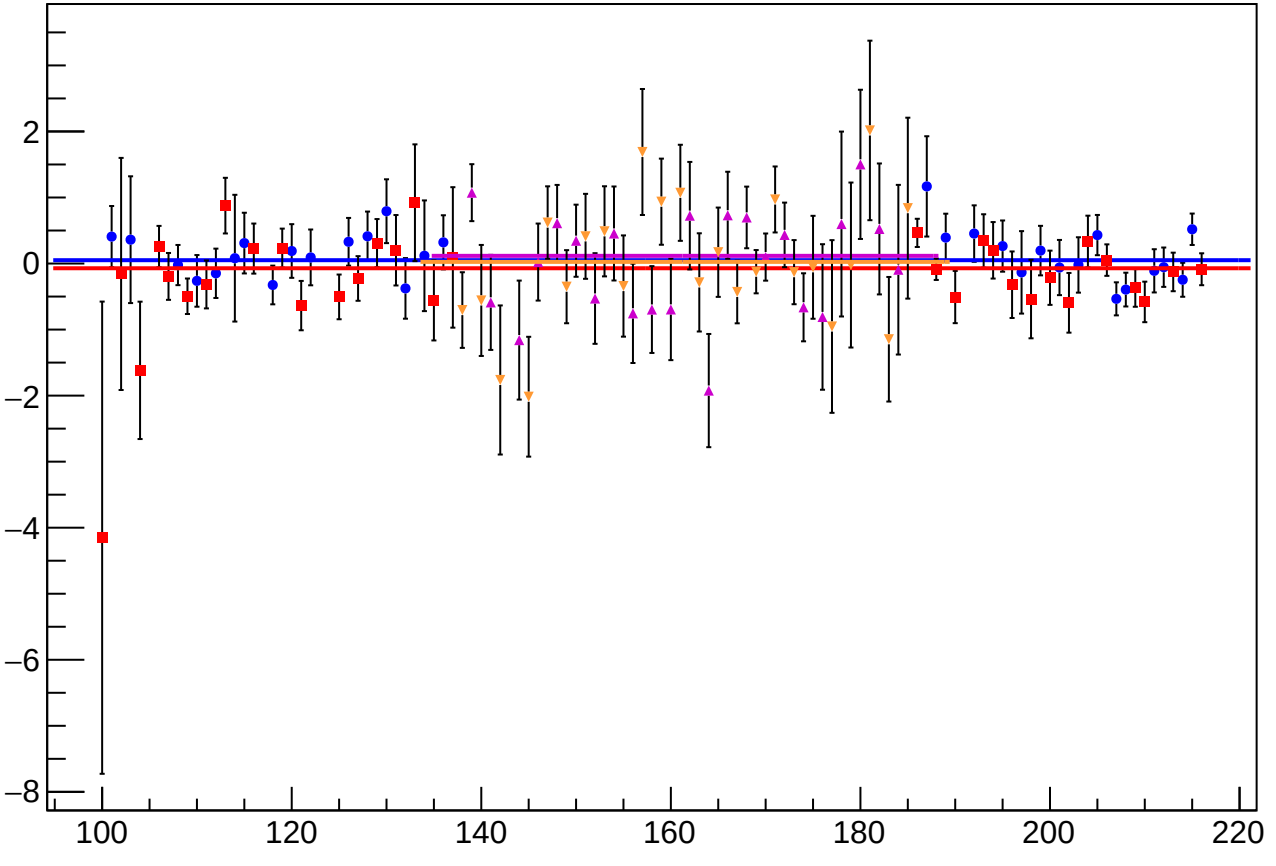
Right: 253.521+/-0.031 χ^2/NDF: 8215186.6/63

In: 325.735+/-0.042 χ^2/NDF:11977834.5/53

Out: 286.601+/-0.039 χ^2/NDF:17642606.7/56

All: 304.663+/-0.028 χ^2/NDF: 30091395.8/11

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+/-0.060 χ^2/NDF: 38.4/32

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

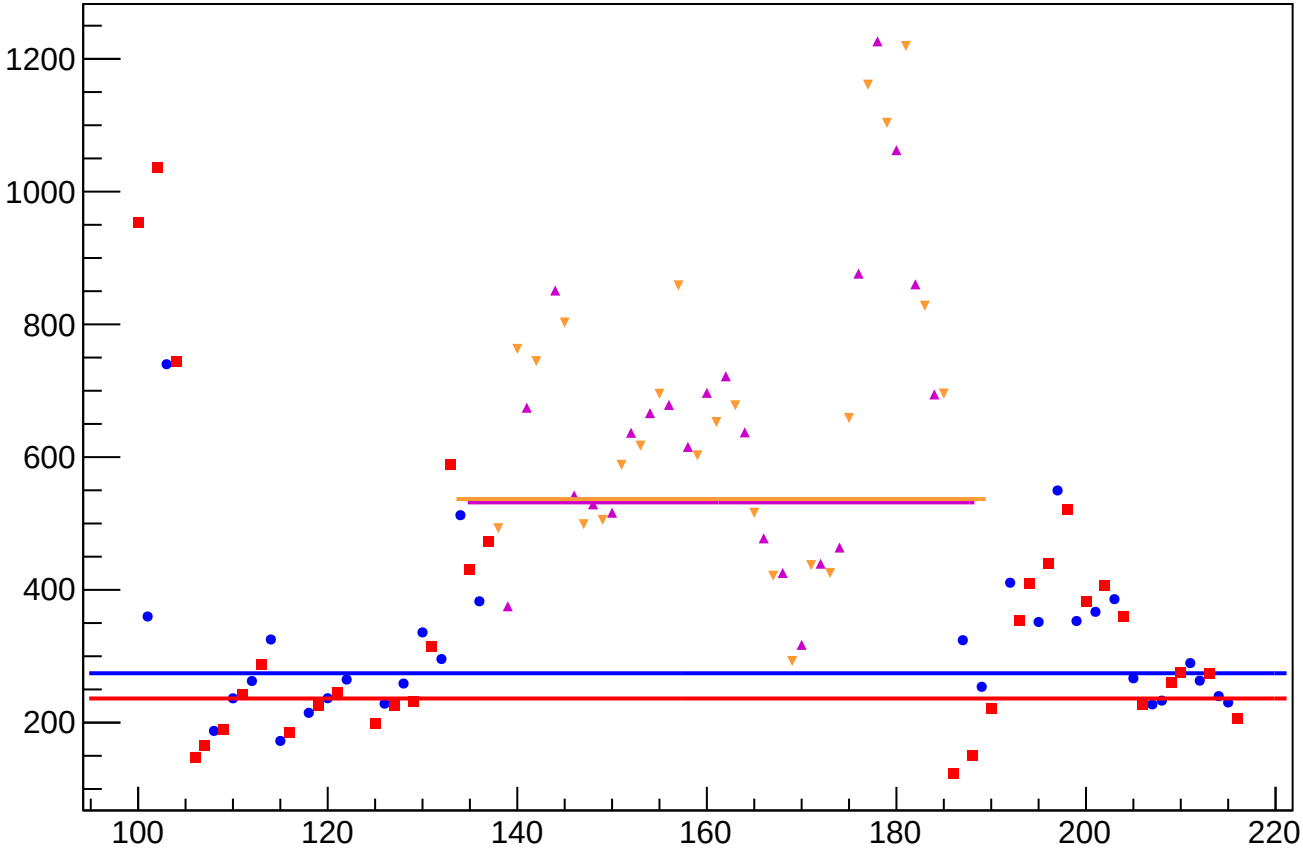
Right: -0.016+/-0.044 χ^2/NDF: 69.4/63

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.055+/-0.055 χ^2/NDF:67.9/56

All: -0.000+/-0.040 χ^2/NDF: 127.2/110

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: 236.350+/-0.042 χ^2/NDF: 5301432.1/32

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

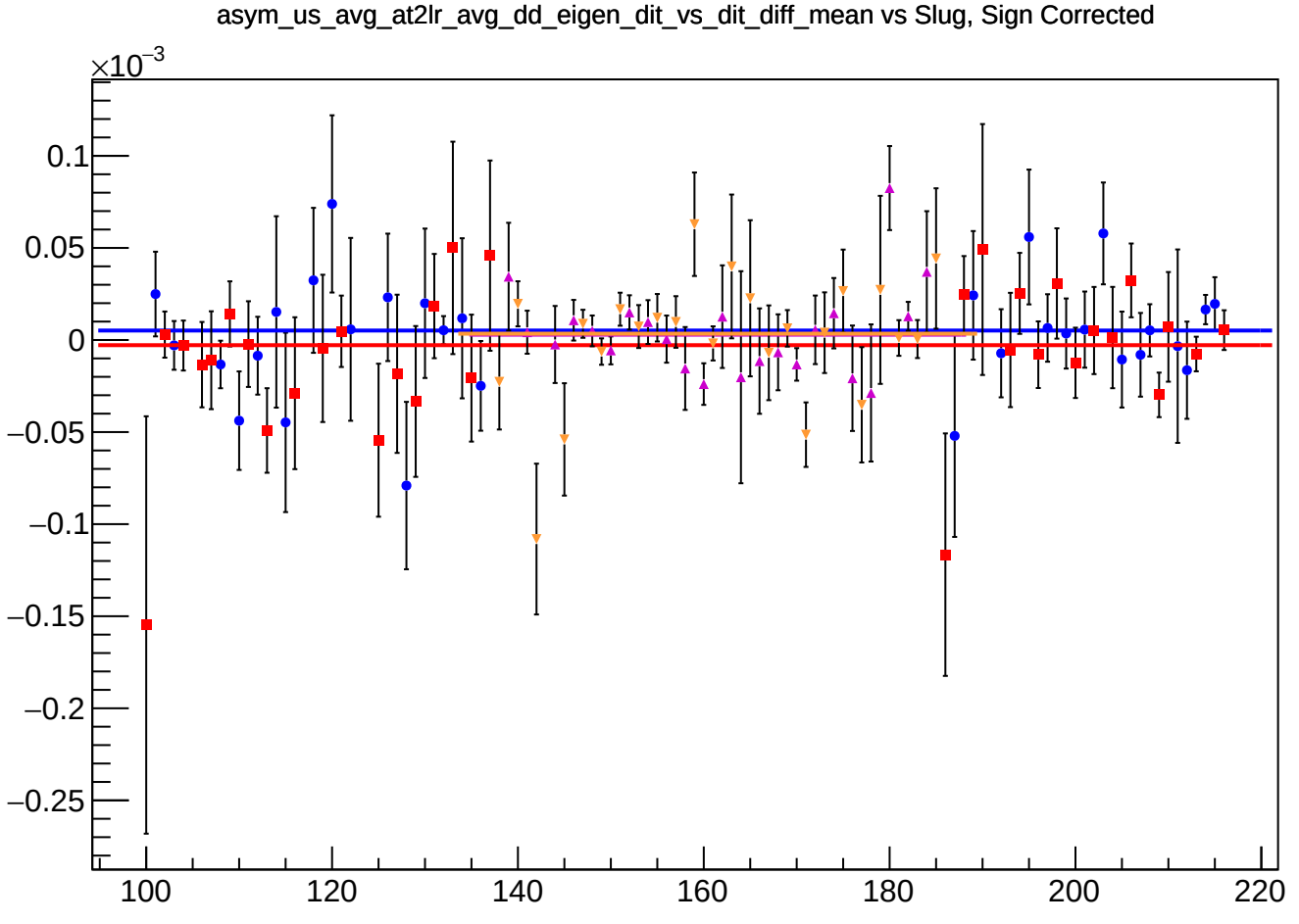
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 253.521+/-0.031 χ^2/NDF: 8215186.6/63

In: 325.735+/-0.042 χ^2/NDF:11977834.5/53

Out: 286.601+/-0.039 χ^2/NDF:17642606.7/56

All: 304.663+/-0.028 χ^2/NDF: 30091395.8/11



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: 30.3/32

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

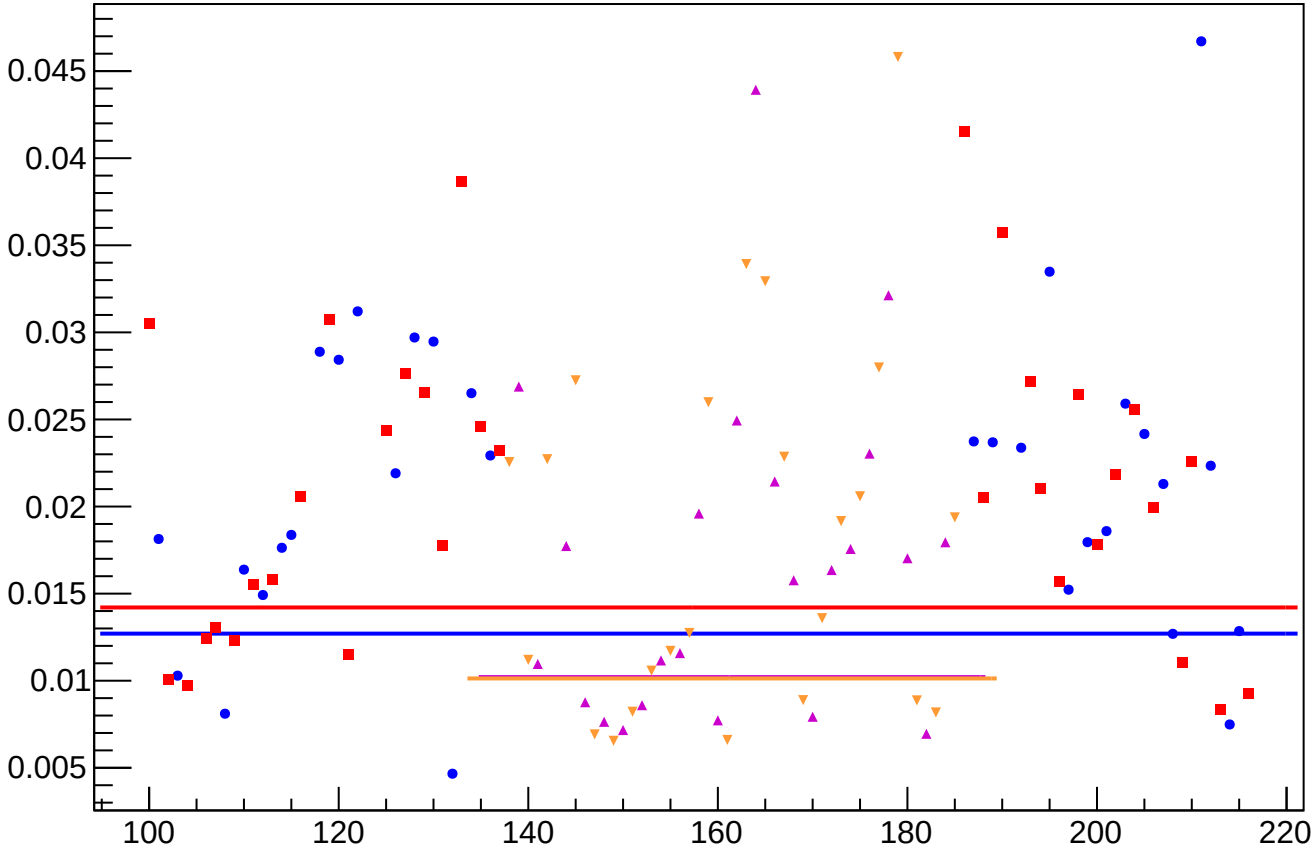
Right: 0.000+/-0.000 χ^2/NDF: 60.4/63

In: 0.000+/-0.000 χ^2/NDF:60.0/53

Out: 0.000+/-0.000 χ^2/NDF:71.2/56

All: 0.000+/-0.000 χ^2/NDF: 132.0/110

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: 0.014+/-0.000 χ^2/NDF: 5971756.1/32

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

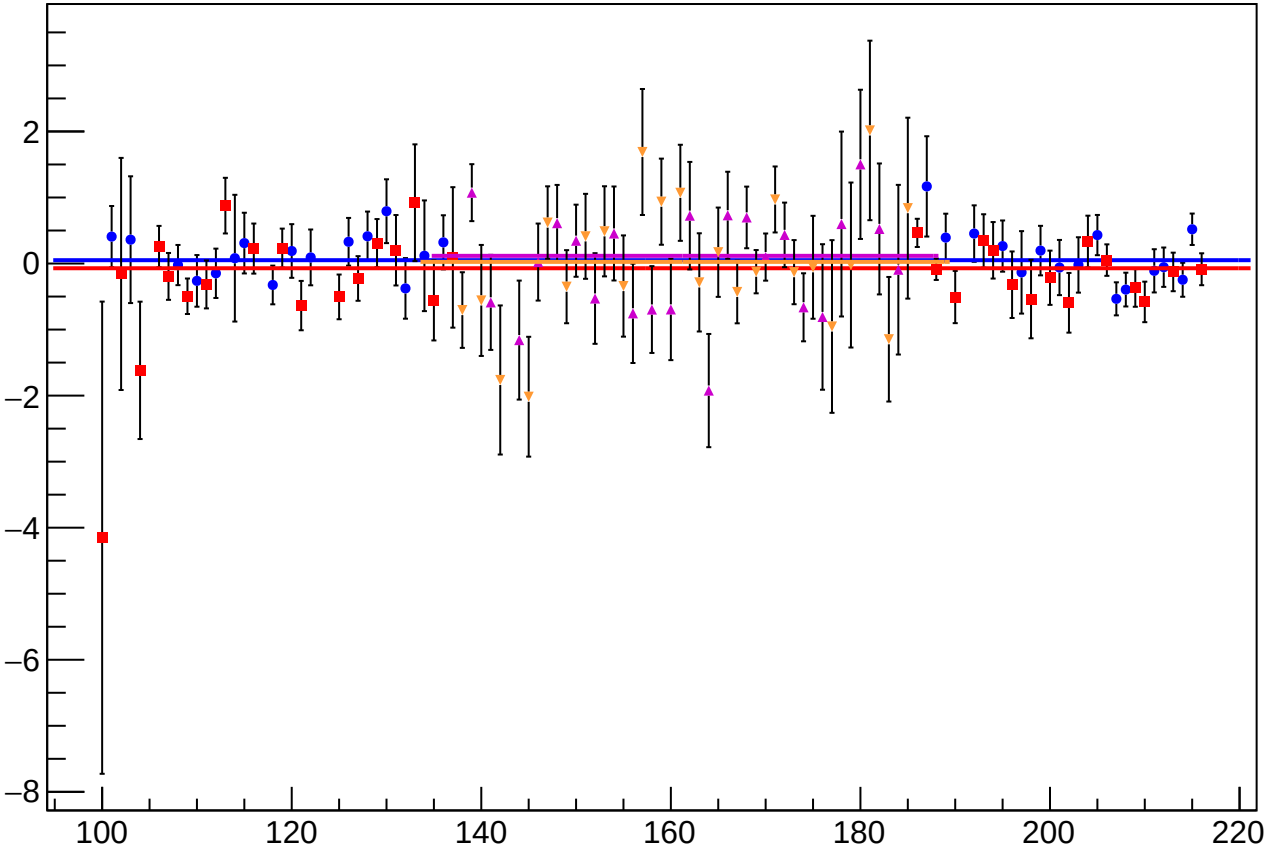
Right: 0.013+/-0.000 χ^2/NDF: 15798120.5/63

In: 0.011+/-0.000 χ^2/NDF:16358536.6/53

Out: 0.012+/-0.000 χ^2/NDF:15398731.6/56

All: 0.011+/-0.000 χ^2/NDF: 31796678.4/110

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: -0.072+/-0.060 χ^2/NDF: 38.4/32

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

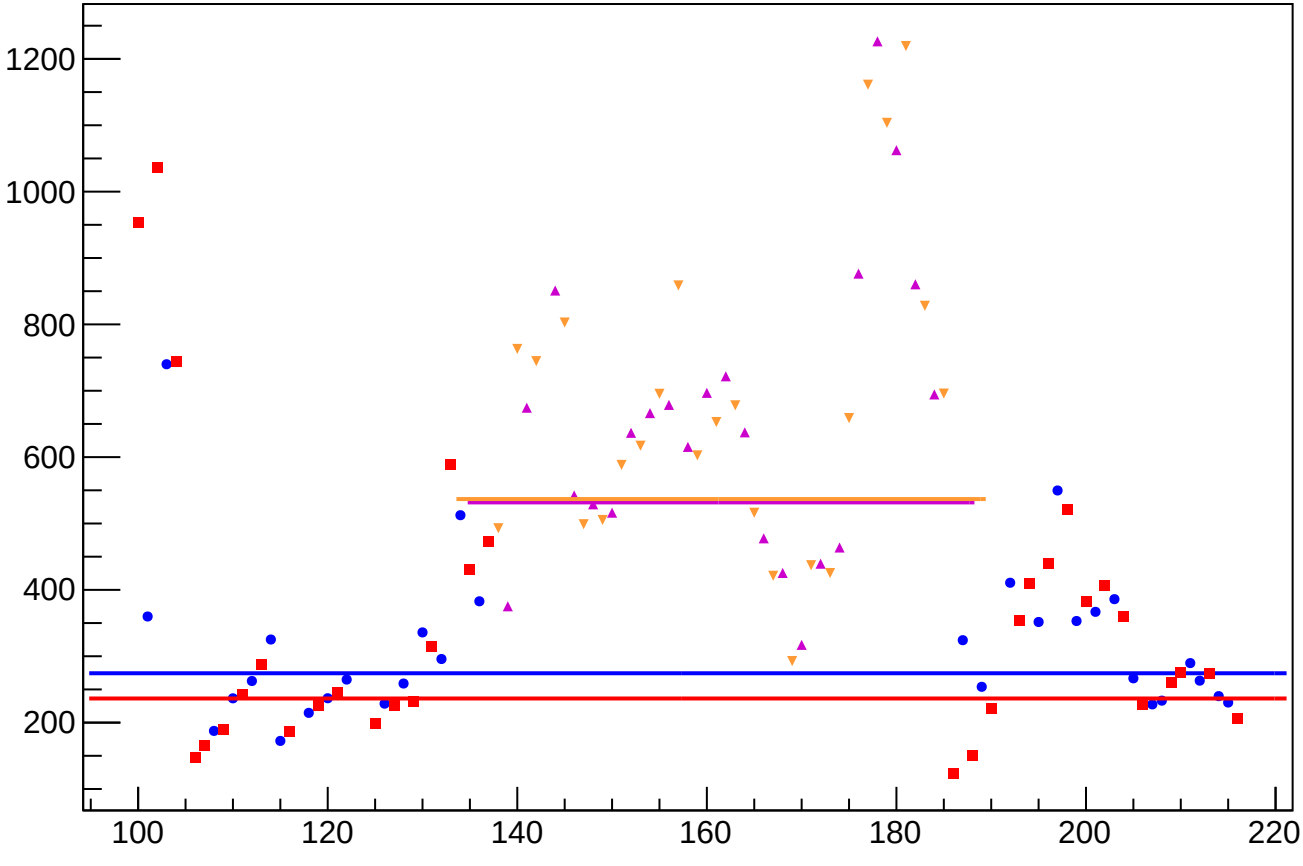
Right: -0.016+/-0.044 χ^2/NDF: 69.4/63

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.055+/-0.055 χ^2/NDF:67.9/56

All: -0.000+/-0.040 χ^2/NDF: 127.2/110

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: 236.347+/-0.042 χ^2/NDF: 5301562.2/32

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

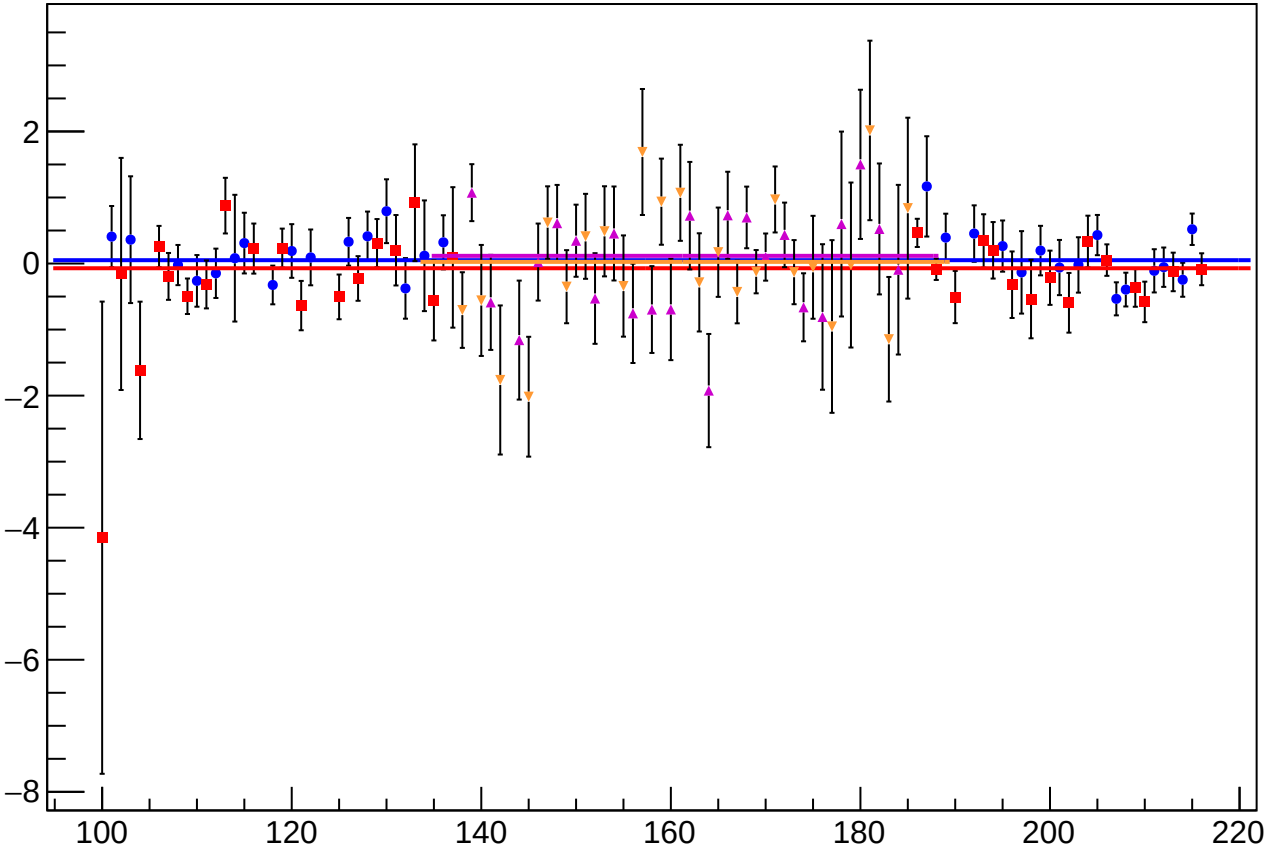
Right: 253.519+/-0.031 χ^2/NDF: 8215352.6/63

In: 325.733+/-0.042 χ^2/NDF:11978076.9/53

Out: 286.598+/-0.039 χ^2/NDF:17643046.0/56

All: 304.661+/-0.028 χ^2/NDF: 30092117.7/11

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: -0.072+/-0.060 χ^2/NDF: 38.4/32

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

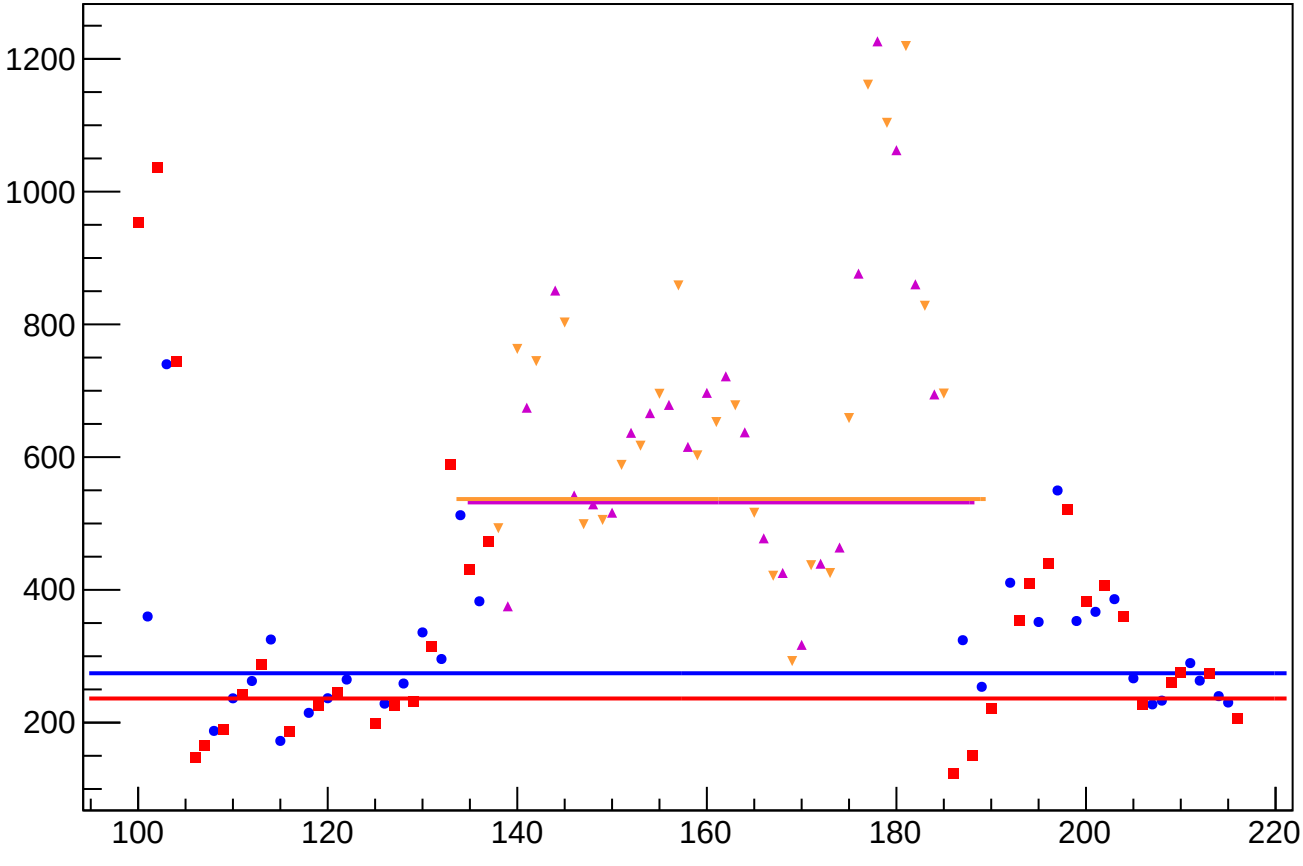
Right: -0.016+/-0.044 χ^2/NDF: 69.4/63

In: 0.064+/-0.059 χ^2/NDF:57.2/53

Out: -0.055+/-0.055 χ^2/NDF:67.9/56

All: -0.000+/-0.040 χ^2/NDF: 127.2/110

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: 236.347+/-0.042 χ^2/NDF: 5301562.2/32

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

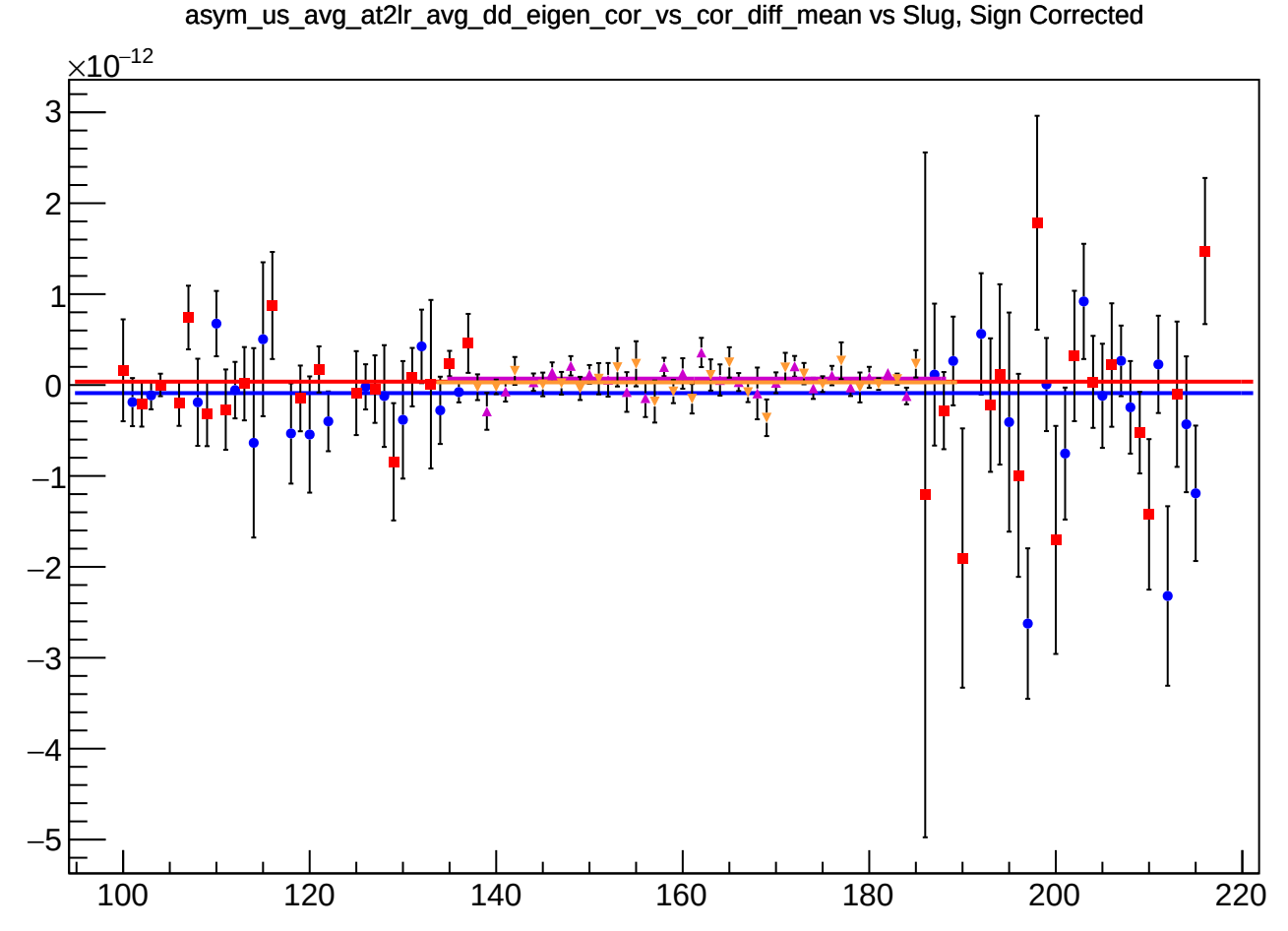
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 253.519+/-0.031 χ^2/NDF: 8215352.6/63

In: 325.733+/-0.042 χ^2/NDF:11978076.9/53

Out: 286.598+/-0.039 χ^2/NDF:17643046.0/56

All: 304.661+/-0.028 χ^2/NDF: 30092117.7/11



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: 31.6/32

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

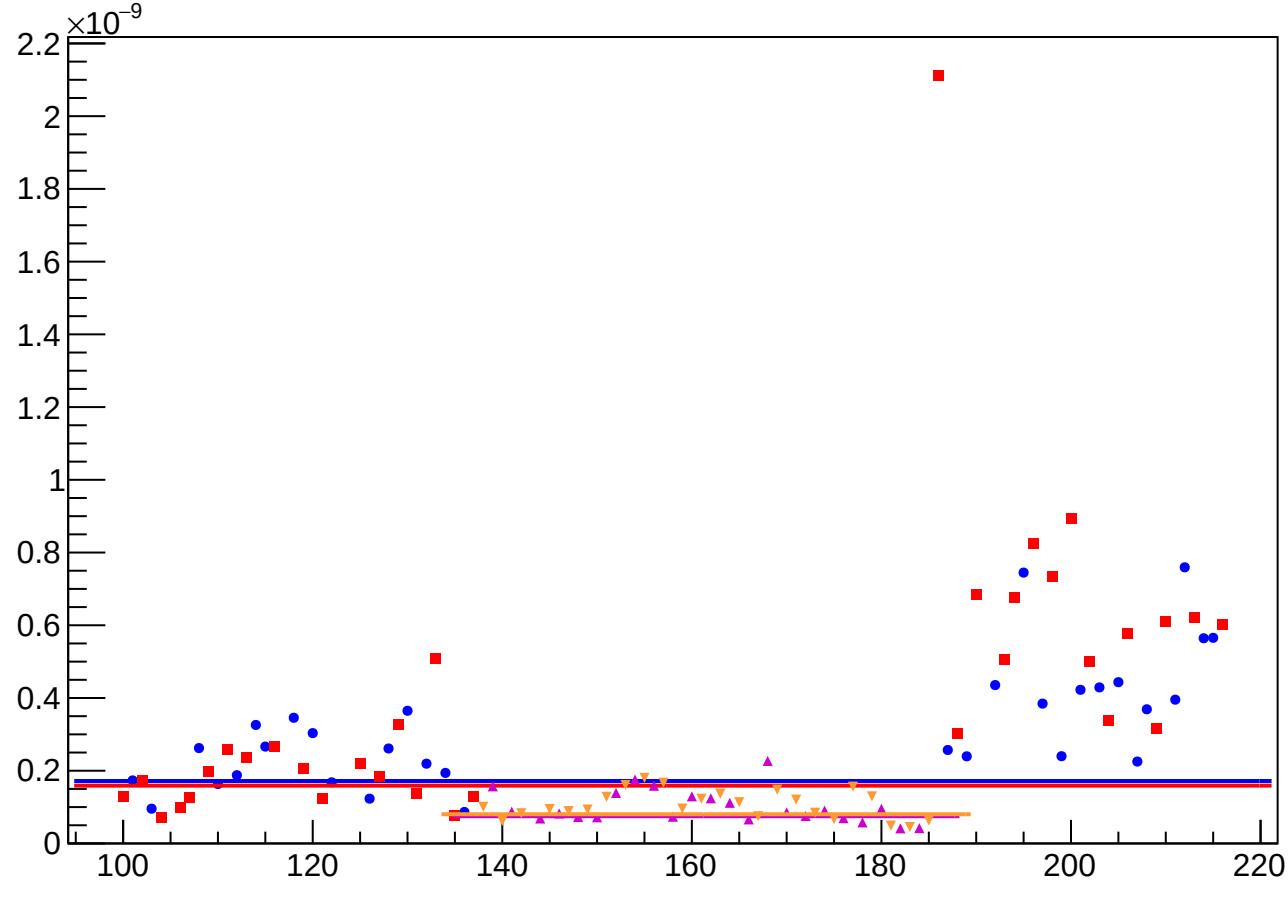
Right: -0.000+/-0.000 χ^2/NDF: 66.6/63

In: 0.000+/-0.000 χ^2/NDF:61.9/53

Out: 0.000+/-0.000 χ^2/NDF:49.4/56

All: 0.000+/-0.000 χ^2/NDF: 111.7/110

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: 10139942.6/32

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

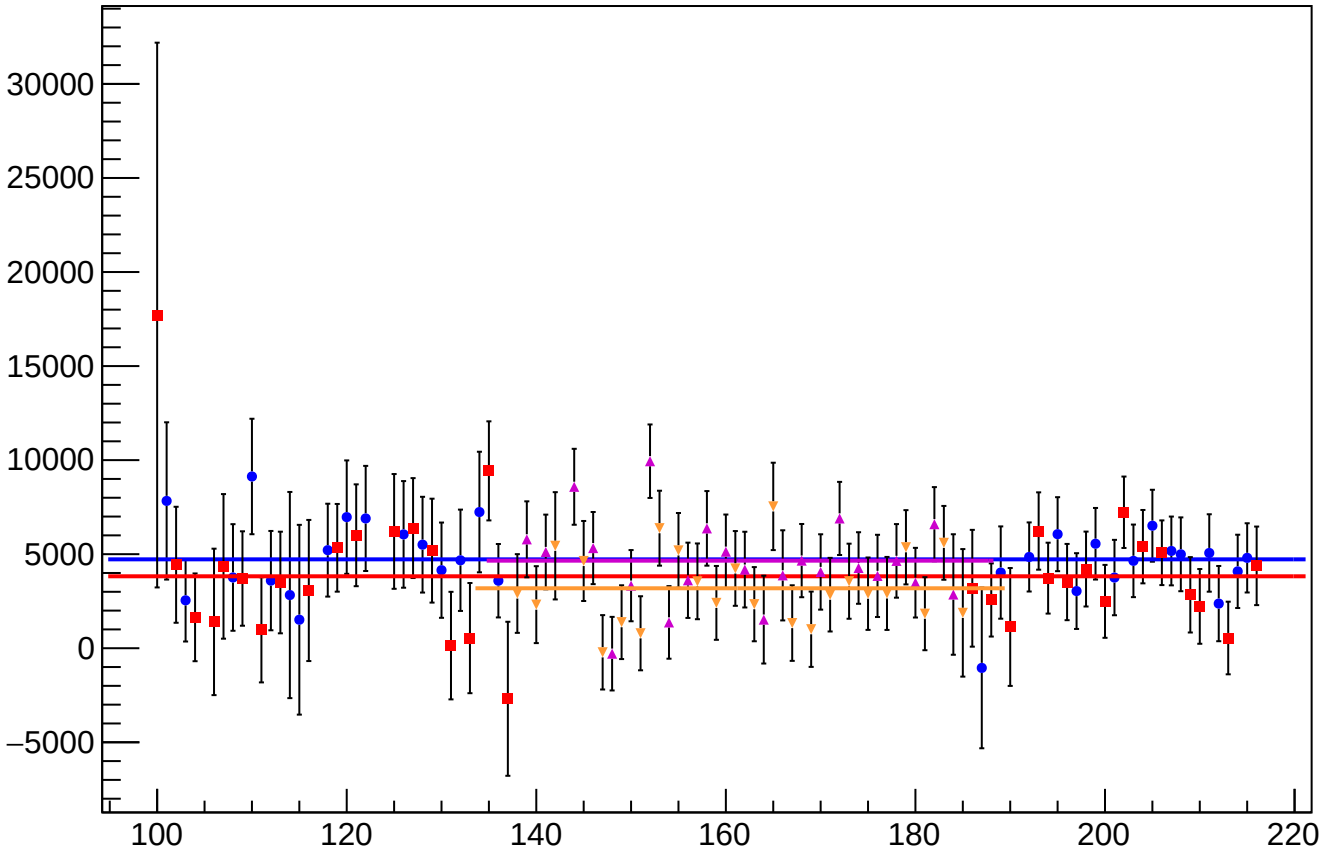
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 17101998.2/63

In: 0.000+/-0.000 χ^2/NDF:14719533.7/53

Out: 0.000+/-0.000 χ^2/NDF:16736508.9/56

All: 0.000+/-0.000 χ^2/NDF: 31503895.9/110



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: 3824.245+/-419.059 χ^2/NDF: 27.5/32

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

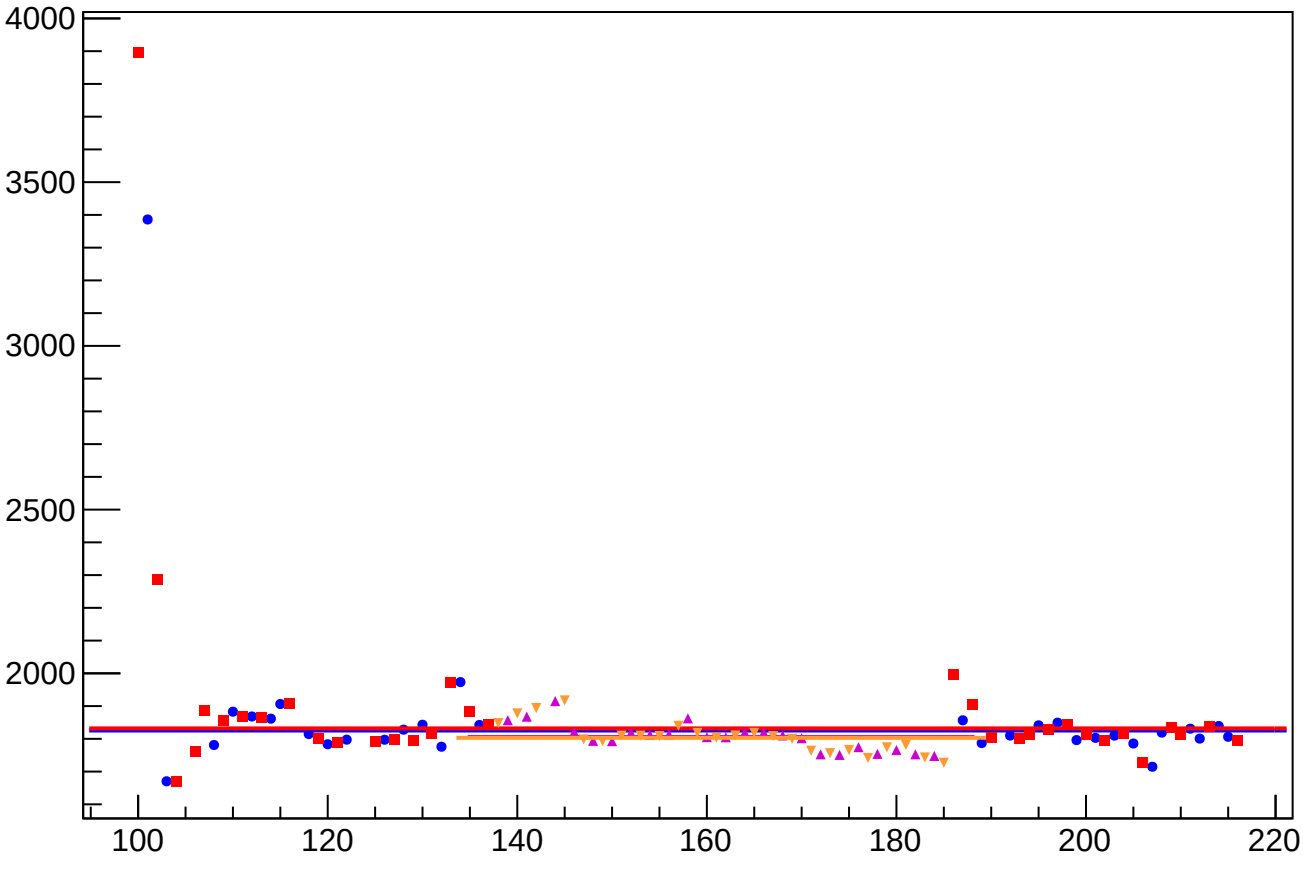
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4276.623+/-295.720 χ^2/NDF: 42.8/63

In: 4690.644+/-296.641 χ^2/NDF:40.6/53

Out: 3505.350+/-296.164 χ^2/NDF:48.5/56

All: 4097.043+/-209.588 χ^2/NDF: 97.2/110



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: 1831.843+/-0.296 χ^2/NDF: 122206.1/32

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

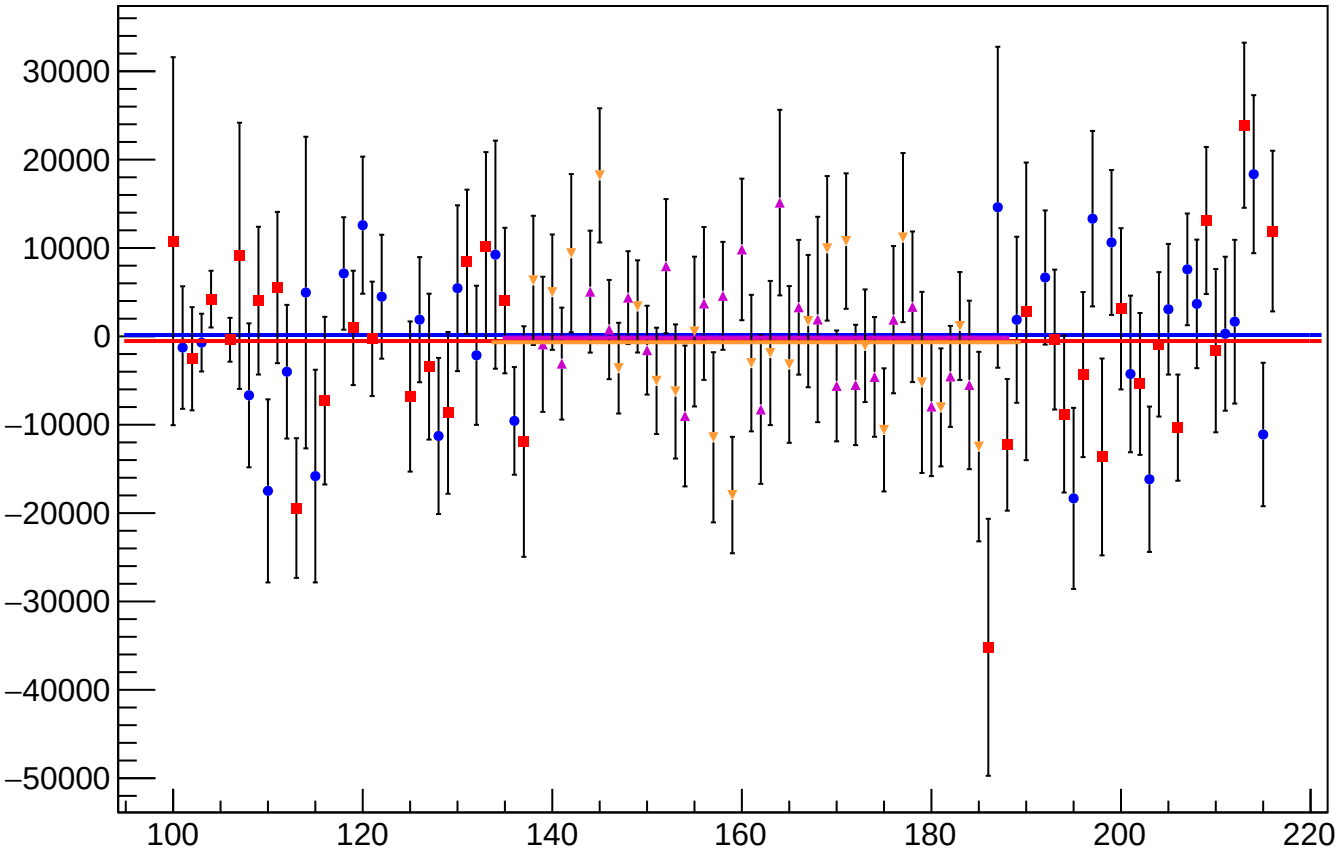
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1828.634+/-0.209 χ^2/NDF: 430369.4/63

In: 1815.604+/-0.210 χ^2/NDF:329490.1/53

Out: 1817.479+/-0.209 χ^2/NDF:147556.9/56

All: 1816.543+/-0.148 χ^2/NDF: 477087.1/110



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: -528.920+/-1214.779 χ^2/NDF: 40.1/32

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

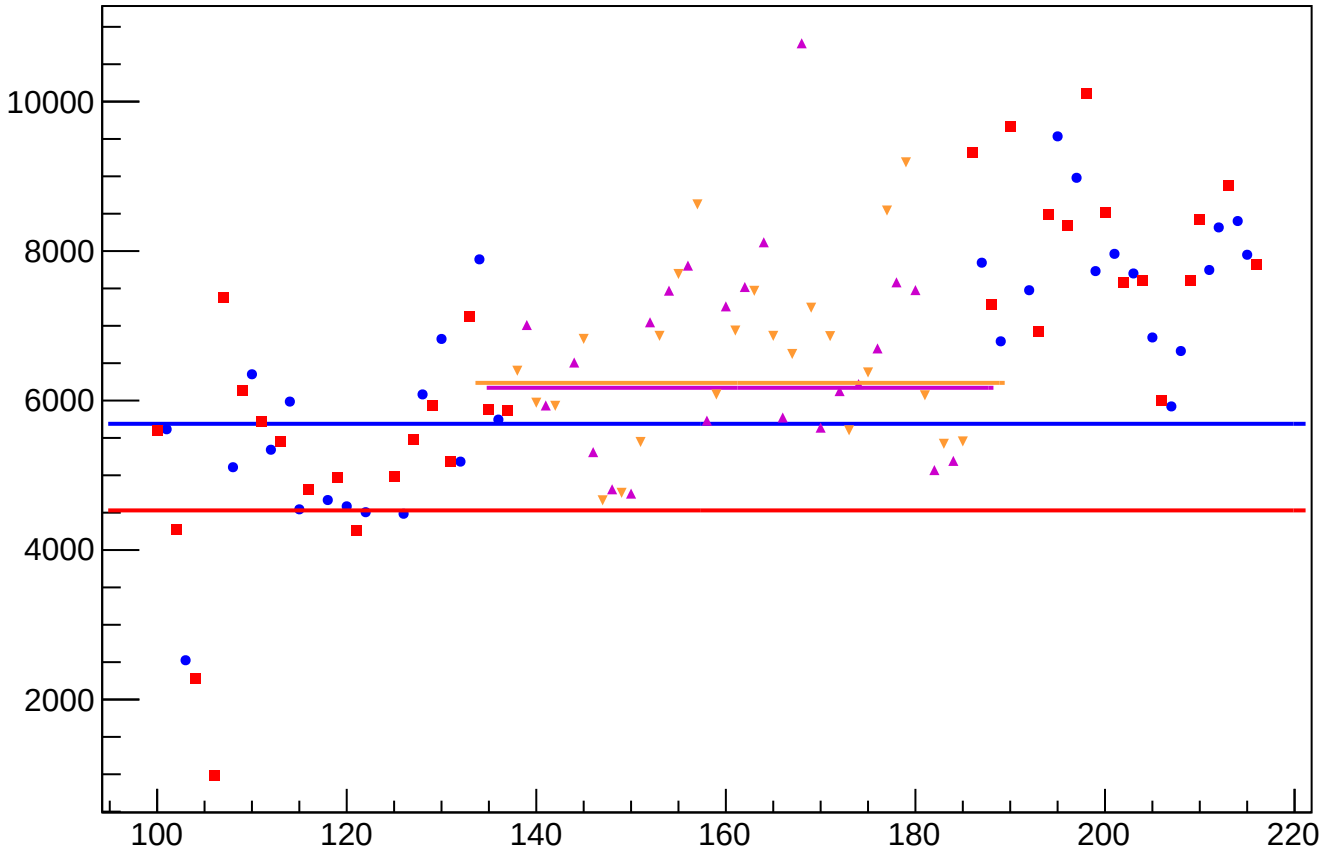
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

Right: -229.505+/-910.056 χ^2/NDF: 75.5/63

In: 15.182+/-1004.180 χ^2/NDF:48.9/53

Out: -584.652+/-938.676 χ^2/NDF:69.8/56

All: -304.936+/-685.733 χ^2/NDF: 118.9/110



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: 4530.282+/-0.859 χ^2/NDF: 10080216.1/32

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

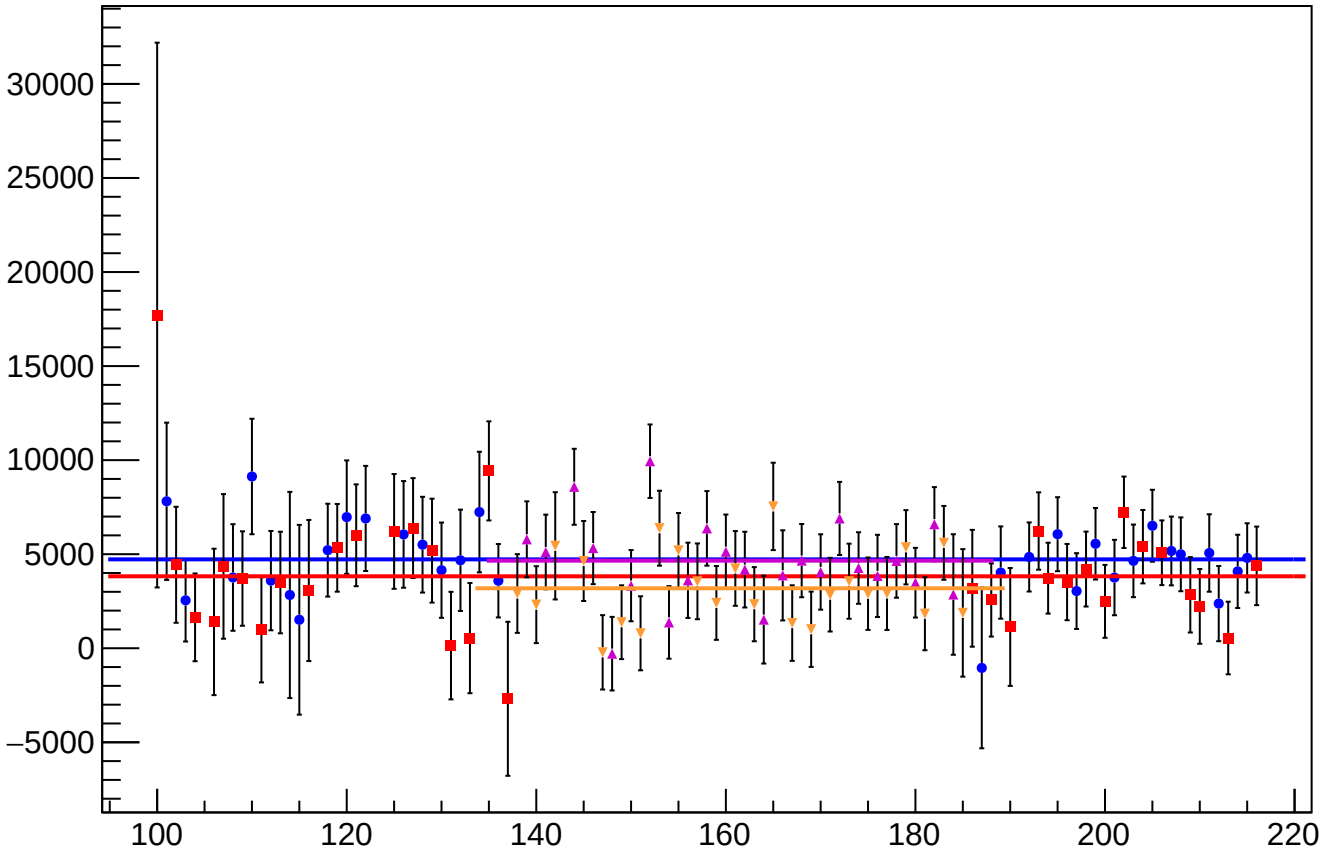
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 5038.676+/-0.644 χ^2/NDF: 14843633.7/63

In: 5913.388+/-0.710 χ^2/NDF:5317184.6/53

Out: 5217.797+/-0.664 χ^2/NDF:12737838.5/56

All: 5542.167+/-0.485 χ^2/NDF: 18567169.6/



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: 3824.173+/-419.059 χ^2/NDF: 27.5/32

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

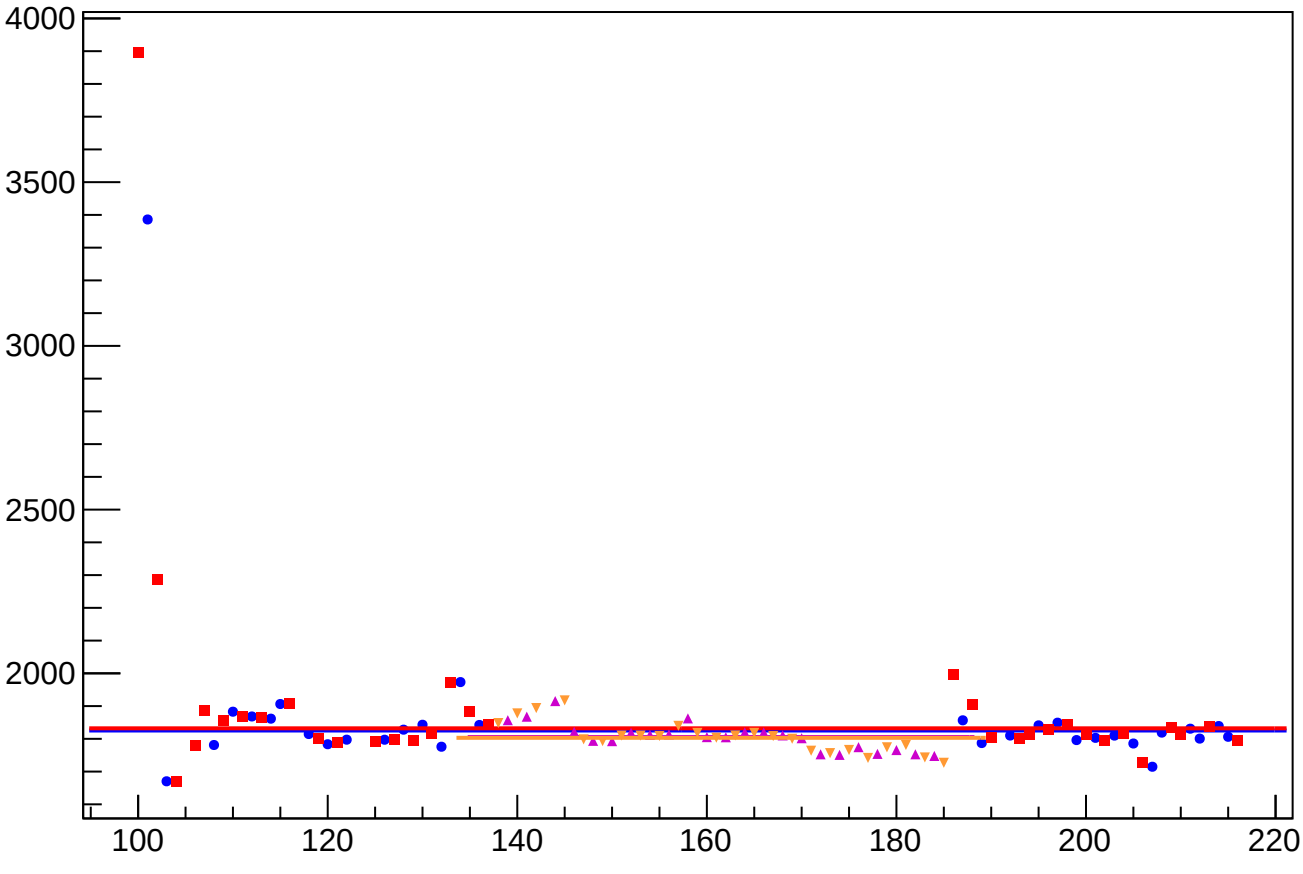
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4276.494+/-295.720 χ^2/NDF: 42.7/63

In: 4690.560+/-296.641 χ^2/NDF:40.6/53

Out: 3505.280+/-296.164 χ^2/NDF:48.5/56

All: 4096.966+/-209.588 χ^2/NDF: 97.2/110



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: 1832.095+/-0.296 χ^2/NDF: 121862.8/32

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

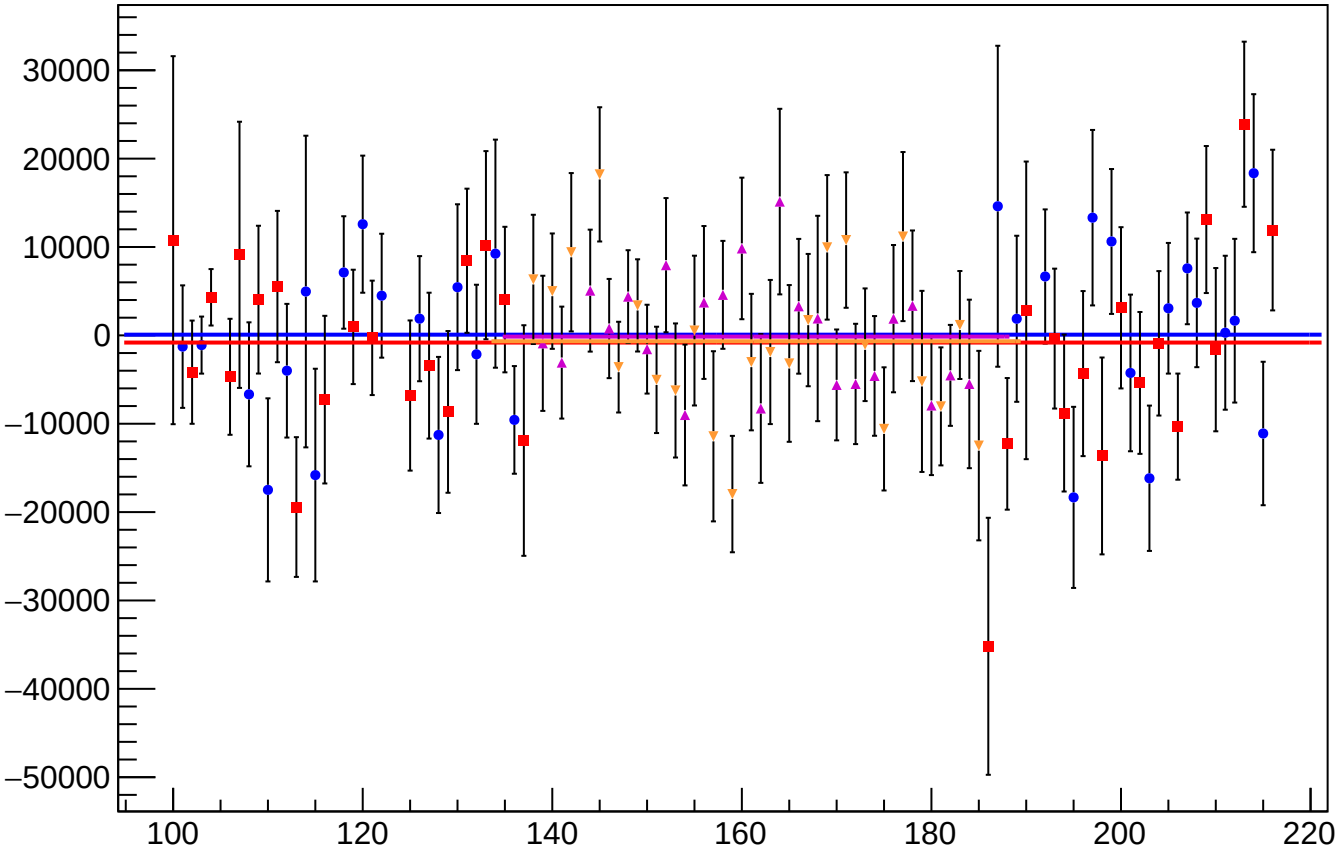
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1828.759+/-0.209 χ^2/NDF: 430046.8/63

In: 1815.604+/-0.210 χ^2/NDF:329492.0/53

Out: 1817.604+/-0.209 χ^2/NDF:147296.1/56

All: 1816.606+/-0.148 χ^2/NDF: 476833.6/110



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: -814.177+/-1361.549 χ^2/NDF: 40.8/32

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

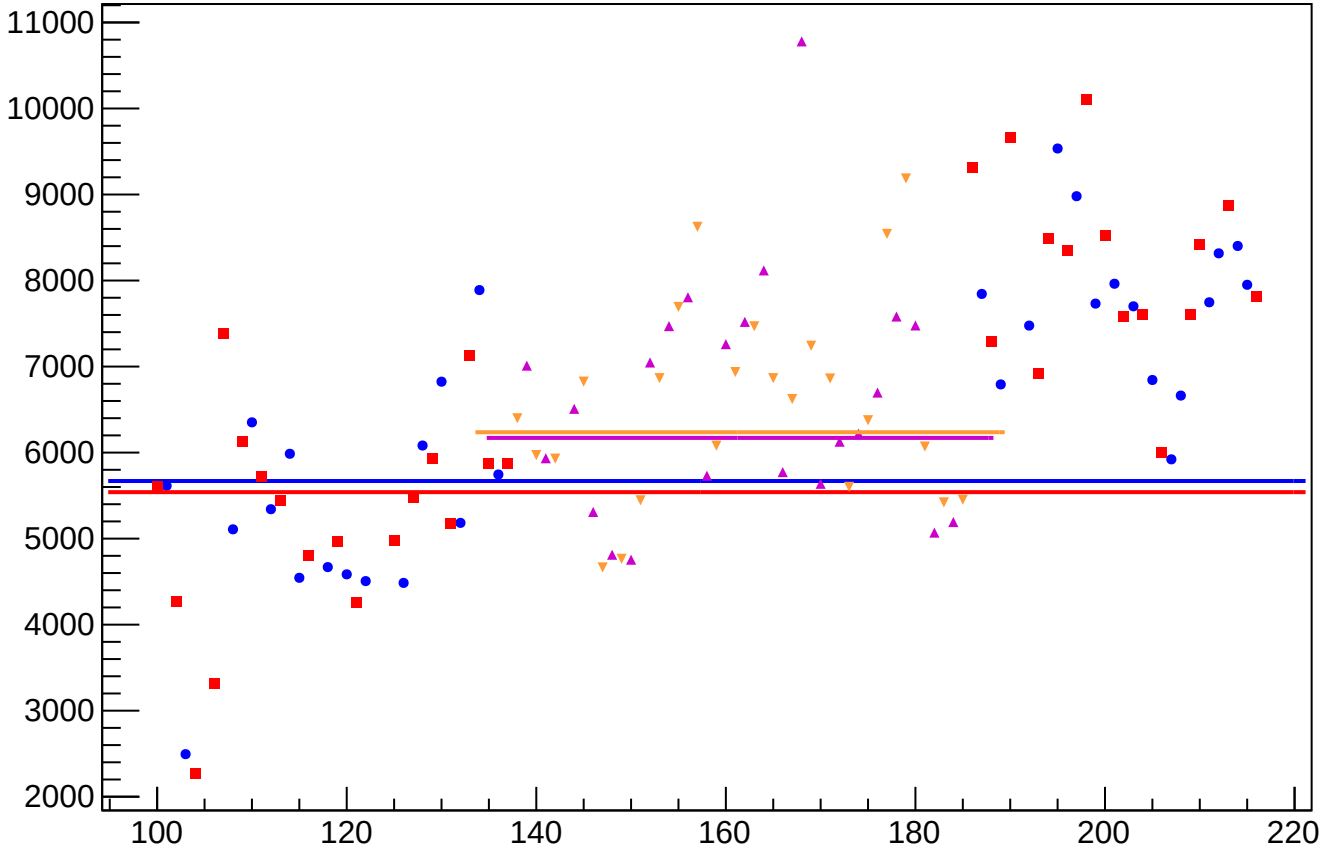
Right: -370.972+/-966.050 χ^2/NDF: 76.4/63

In: -24.686+/-1003.012 χ^2/NDF:48.9/53

Out: -746.766+/-1001.650 χ^2/NDF:70.6/56

All: -386.217+/-708.755 χ^2/NDF: 119.8/110

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: 5540.228+/-0.963 χ^2/NDF: 4976797.6/32

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

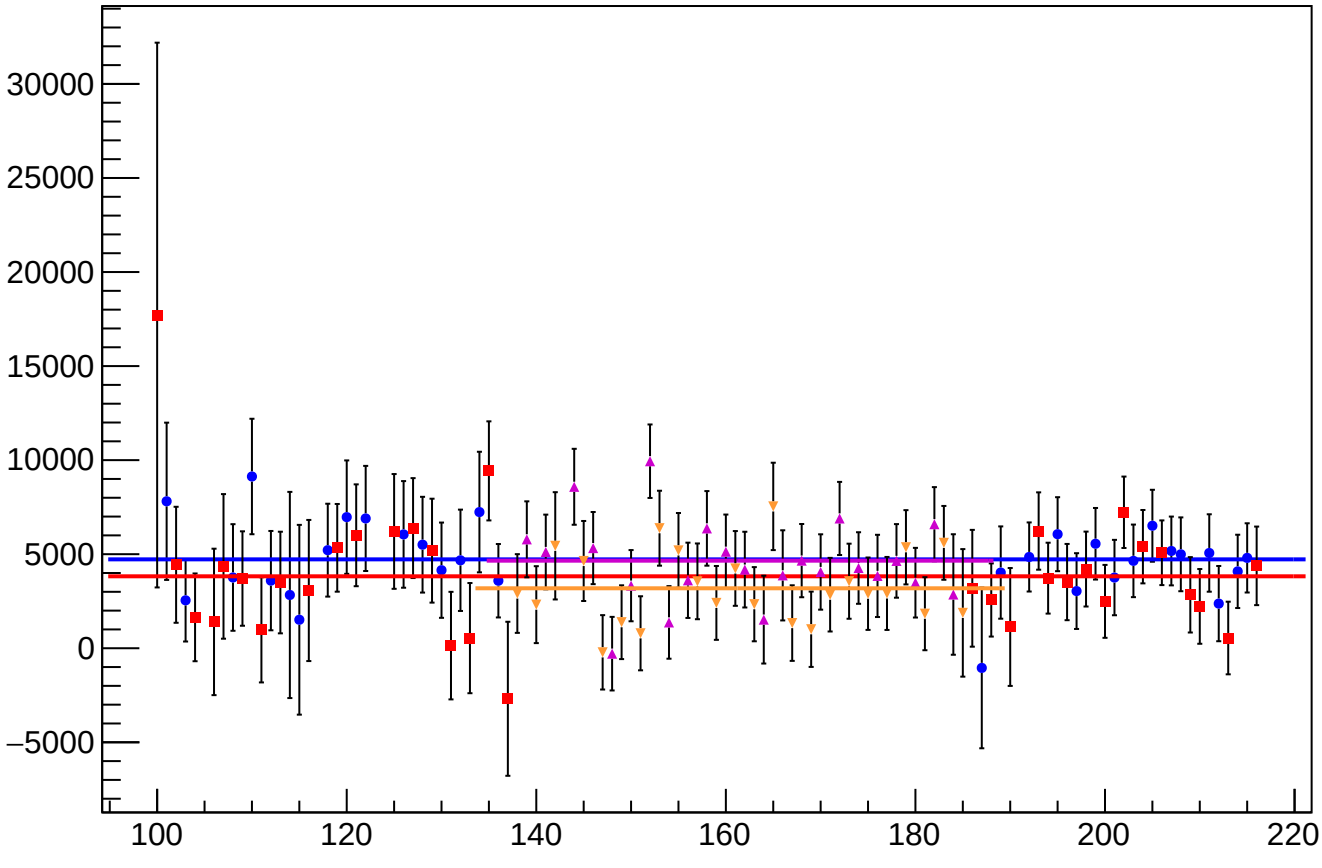
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5604.507+/-0.683 χ^2/NDF: 9034075.1/63

In: 5902.539+/-0.709 χ^2/NDF:5410048.5/53

Out: 5859.732+/-0.708 χ^2/NDF:6284514.6/56

All: 5881.107+/-0.501 χ^2/NDF: 11696387.0/1



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: 3824.173+/-419.059 χ^2/NDF: 27.5/32

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

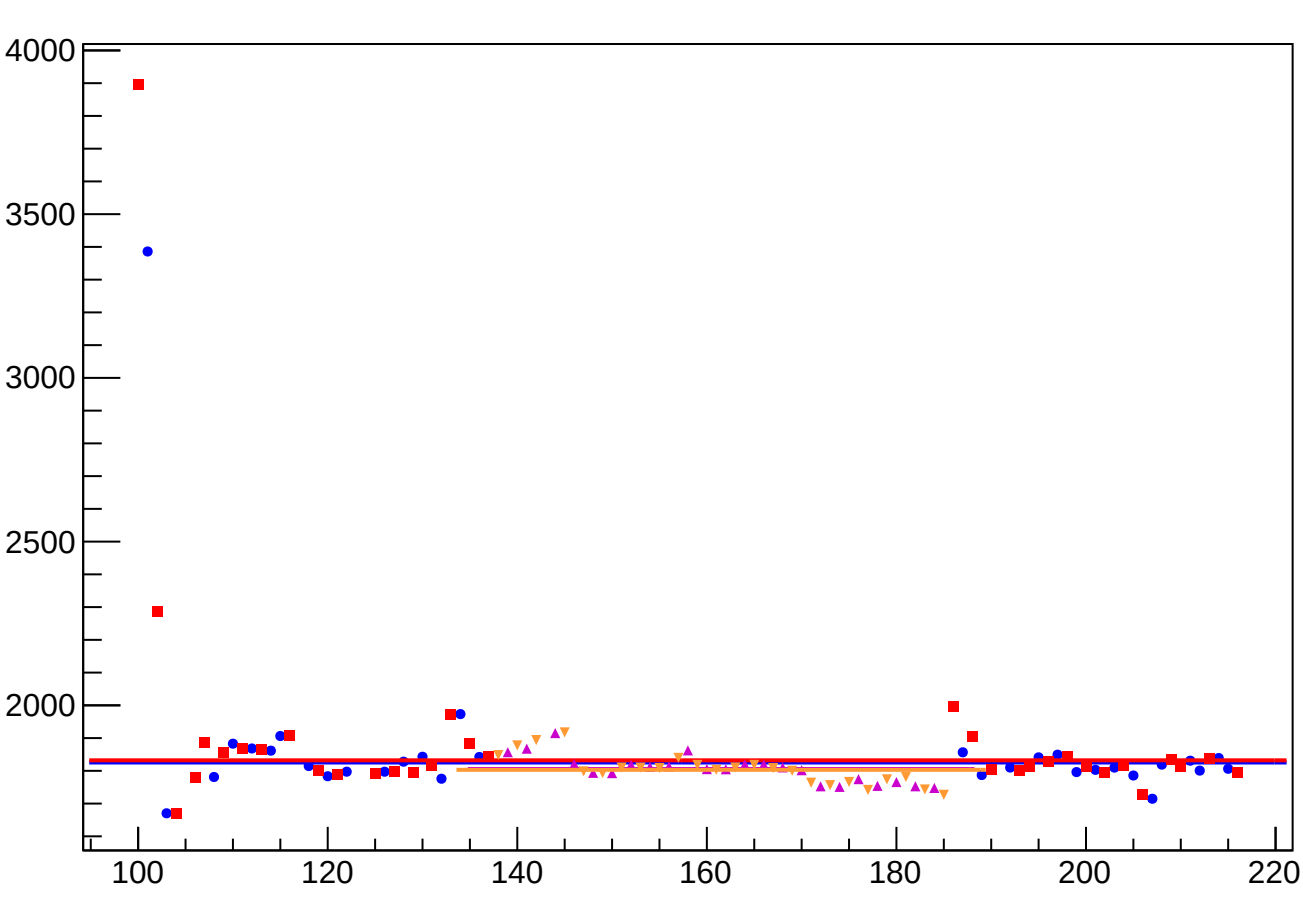
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4276.494+/-295.720 χ^2/NDF: 42.7/63

In: 4690.560+/-296.641 χ^2/NDF:40.6/53

Out: 3505.280+/-296.164 χ^2/NDF:48.5/56

All: 4096.966+/-209.588 χ^2/NDF: 97.2/110



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: 1832.095+/-0.296 χ^2/NDF: 121862.8/32

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

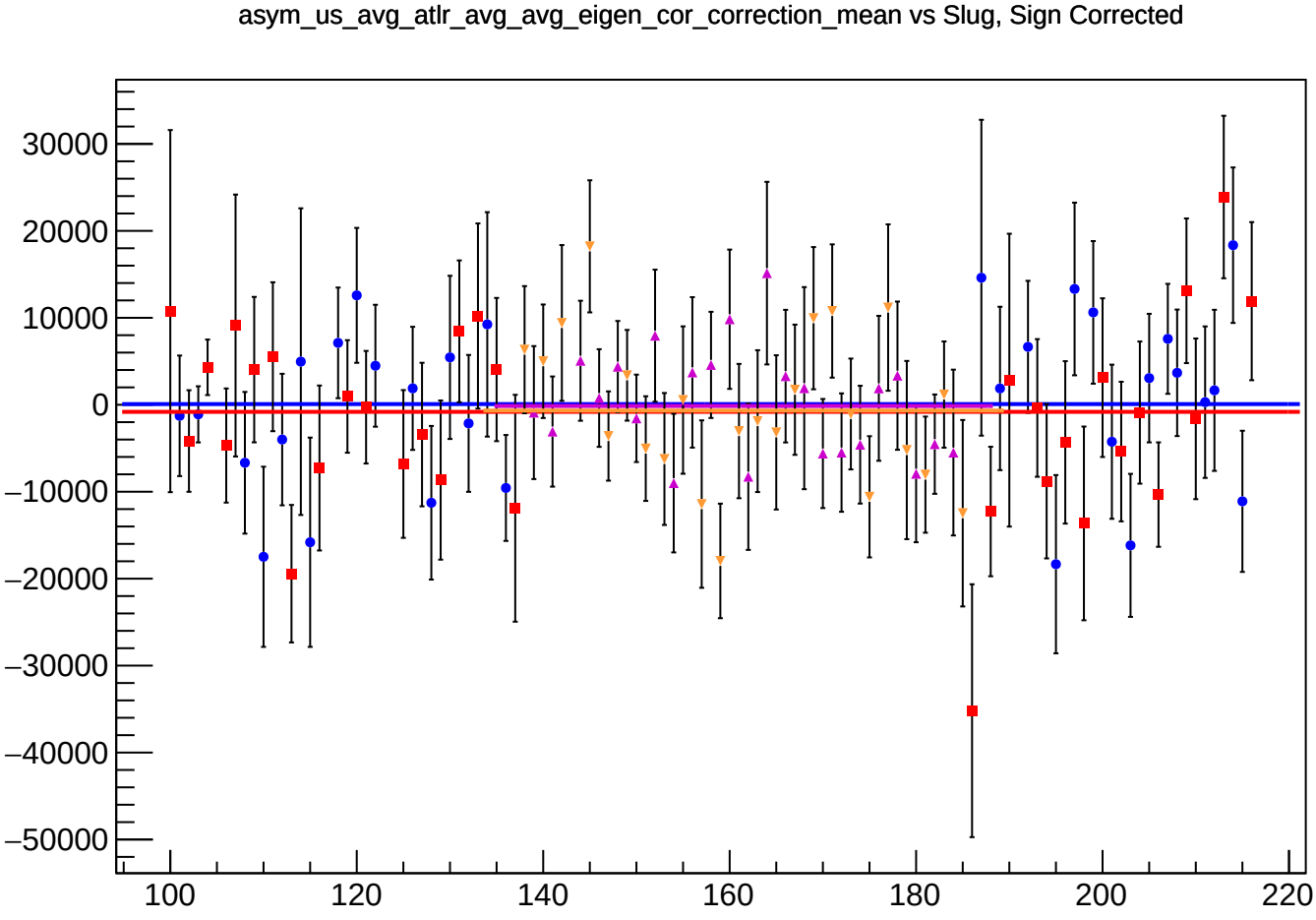
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1828.759+/-0.209 χ^2/NDF: 430046.8/63

In: 1815.604+/-0.210 χ^2/NDF:329492.0/53

Out: 1817.604+/-0.209 χ^2/NDF:147296.1/56

All: 1816.606+/-0.148 χ^2/NDF: 476833.6/110



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: -814.177+/-1361.549 χ^2/NDF: 40.8/32

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

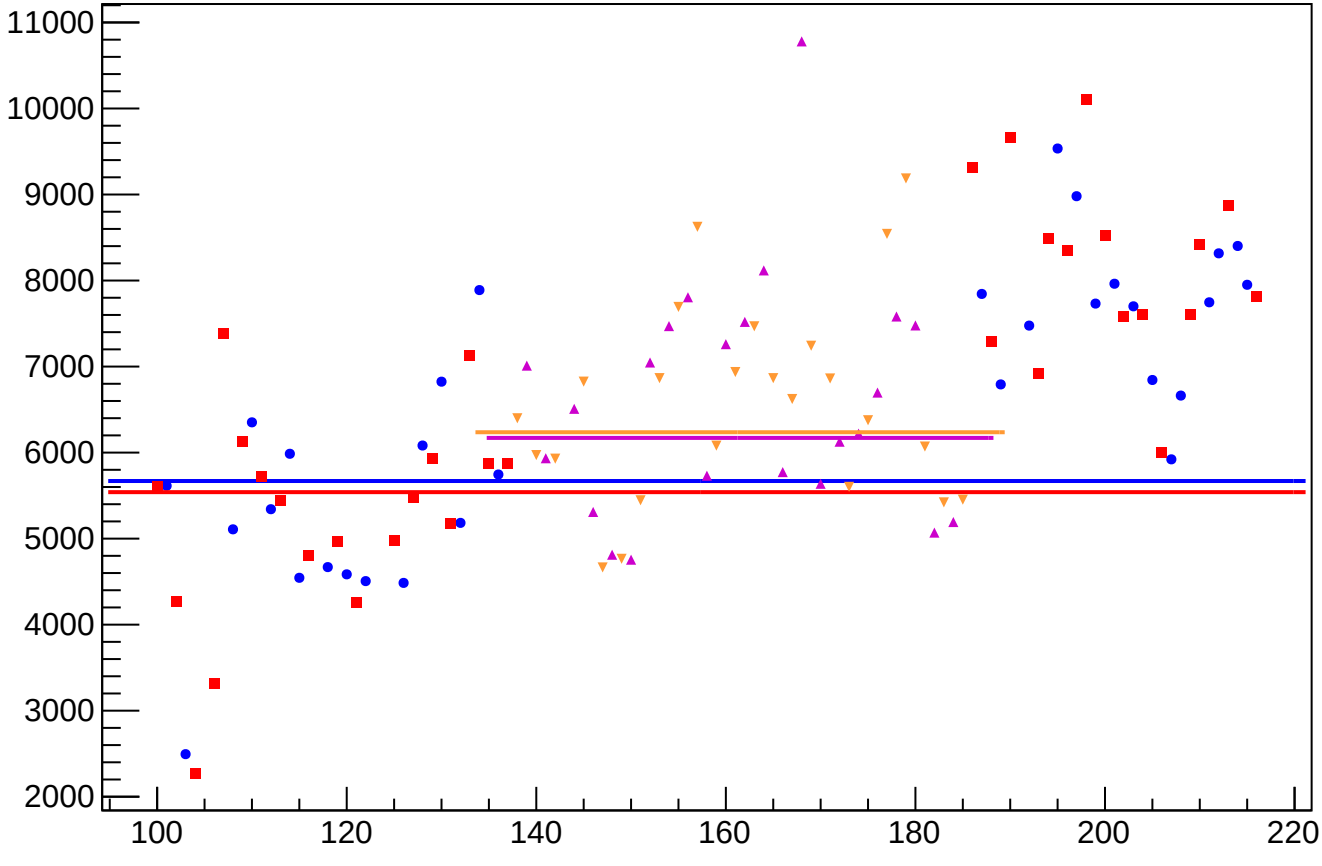
Right: -370.972+/-966.050 χ^2/NDF: 76.4/63

In: -24.686+/-1003.012 χ^2/NDF:48.9/53

Out: -746.766+/-1001.650 χ^2/NDF:70.6/56

All: -386.217+/-708.755 χ^2/NDF: 119.8/110

asym_us_avg_atlr_avg_avg_eigen_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: 5540.228+/-0.963 χ^2/NDF: 4976797.6/32

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

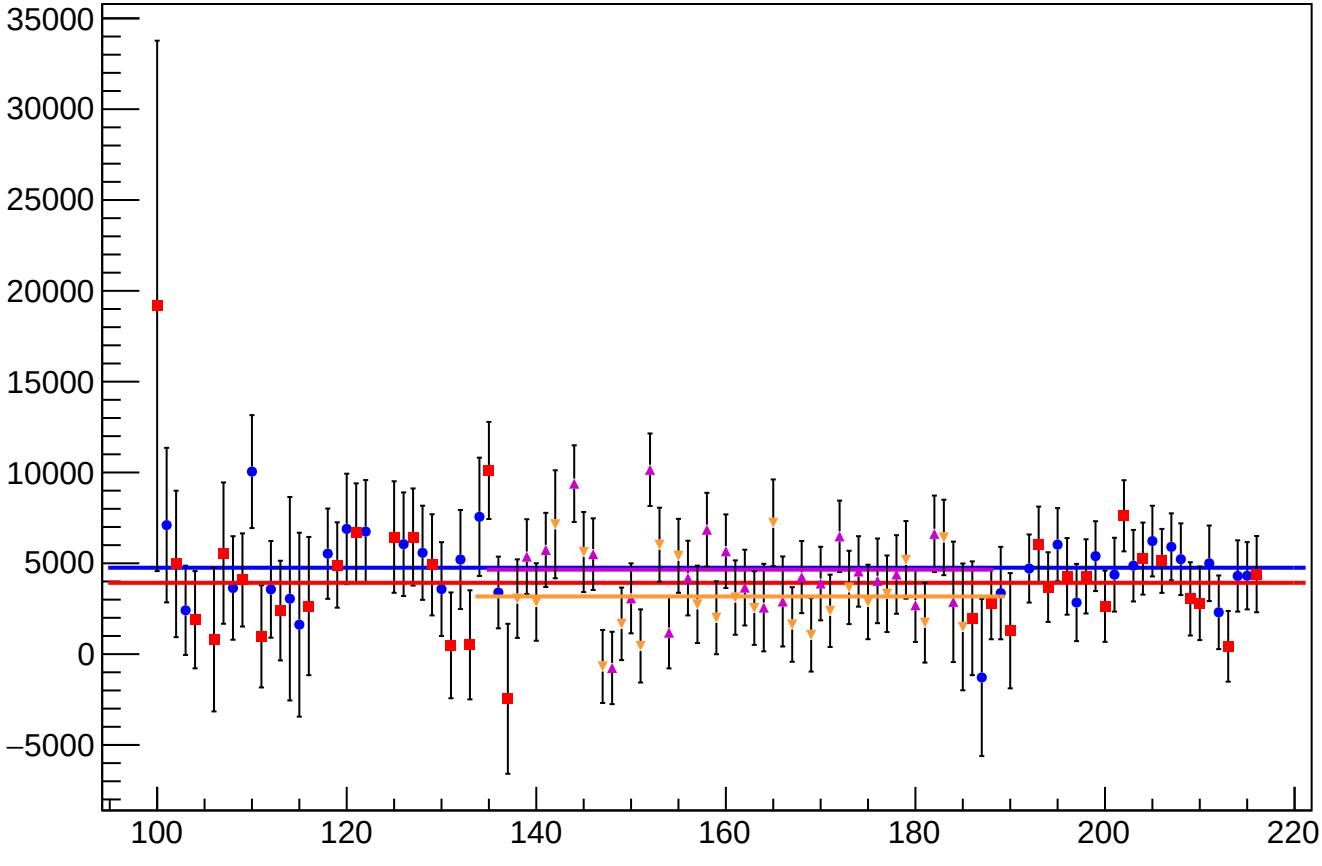
Right: 5604.507+/-0.683 χ^2/NDF: 9034075.1/63

In: 5902.539+/-0.709 χ^2/NDF:5410048.5/53

Out: 5859.732+/-0.708 χ^2/NDF:6284514.6/56

All: 5881.107+/-0.501 χ^2/NDF: 11696387.0/1

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



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: 3925.826+/-428.646 χ^2/NDF: 28.6/32

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

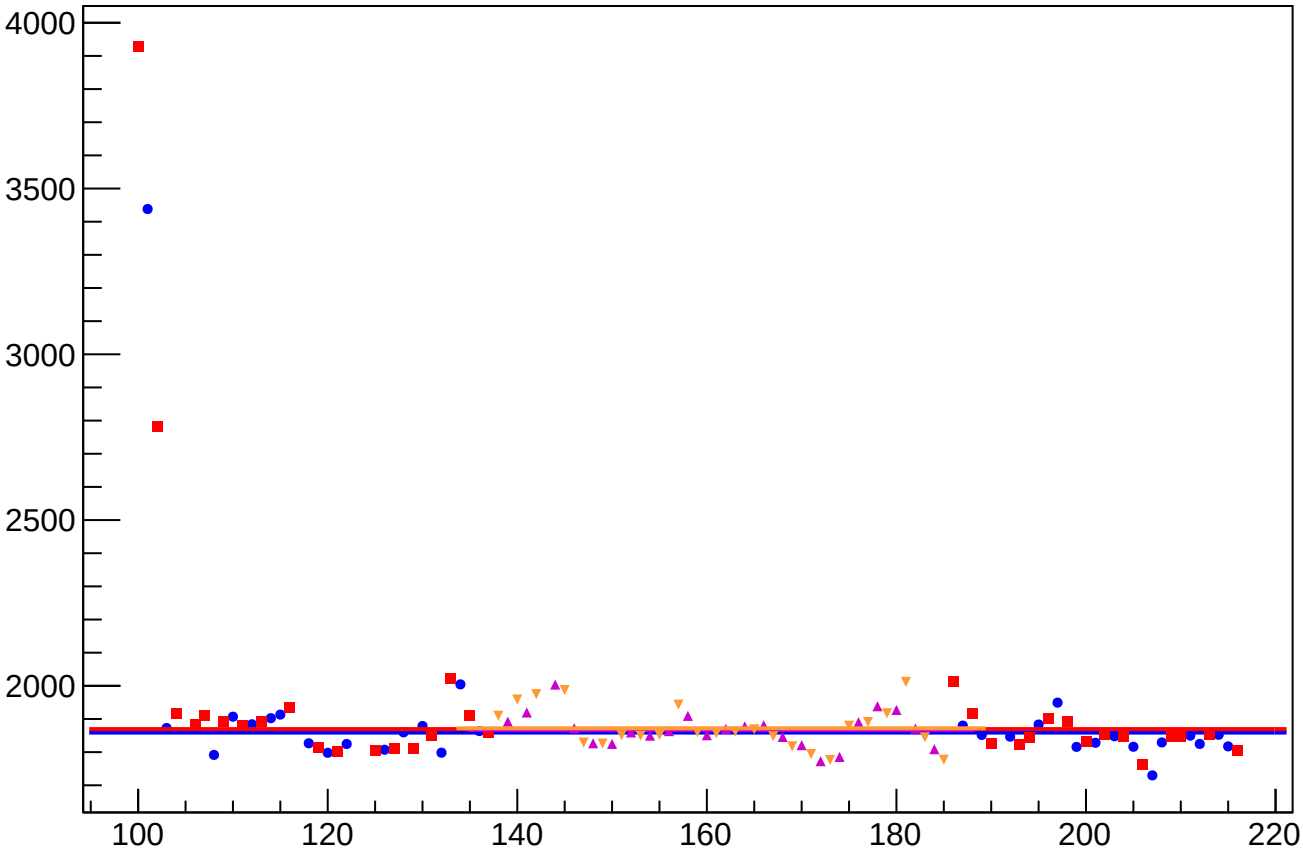
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4344.463+/-301.849 χ^2/NDF: 44.5/63

In: 4704.724+/-304.451 χ^2/NDF:44.6/53

Out: 3555.555+/-305.256 χ^2/NDF:51.7/56

All: 4131.657+/-215.564 χ^2/NDF: 103.3/110



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: 1869.534+/-0.303 χ^2/NDF: 173333.4/32

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

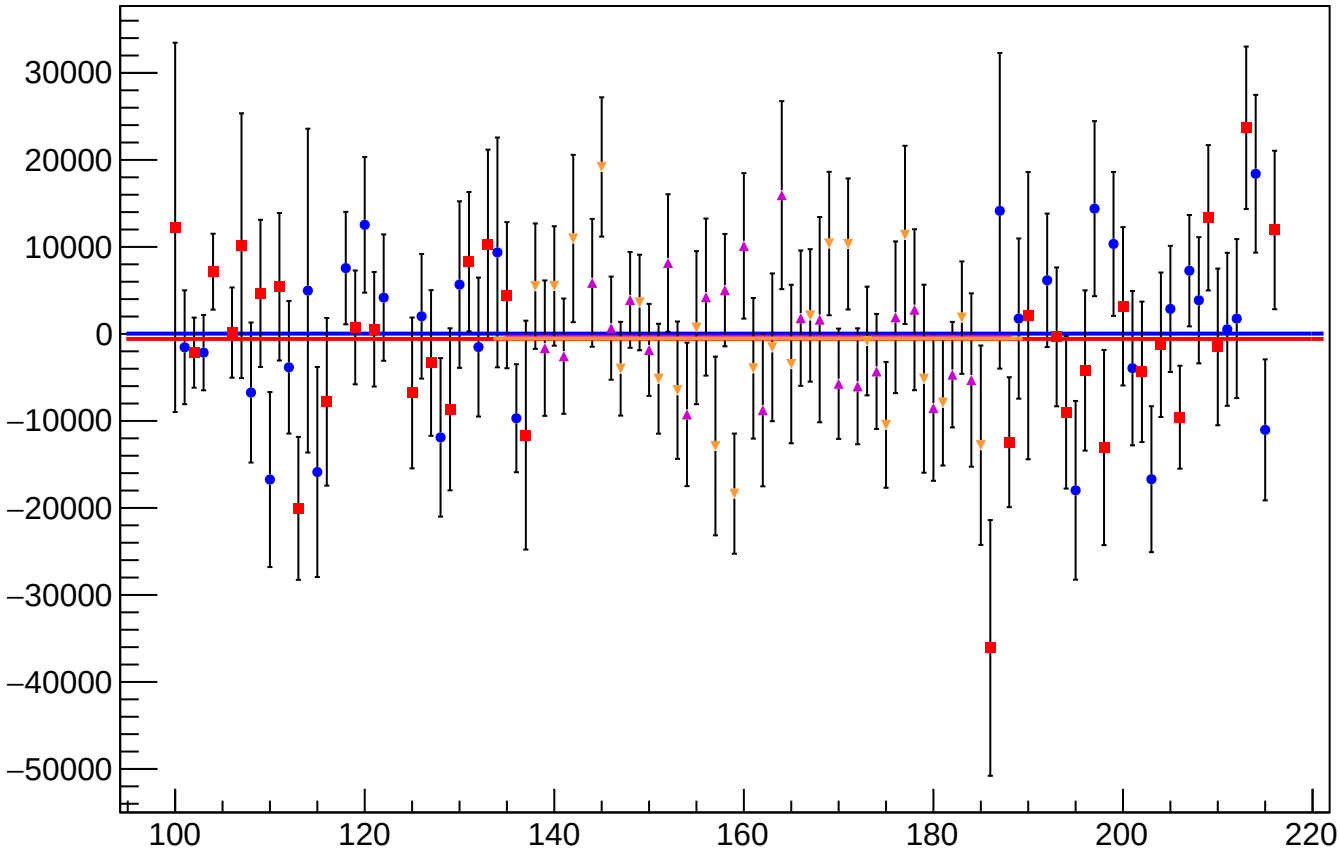
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1864.227+/-0.213 χ^2/NDF: 477448.7/63

In: 1862.937+/-0.215 χ^2/NDF:331104.8/53

Out: 1870.739+/-0.216 χ^2/NDF:210520.3/56

All: 1866.828+/-0.152 χ^2/NDF: 542280.2/110



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: -573.504+/-1365.508 χ^2/NDF: 40.8/32

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

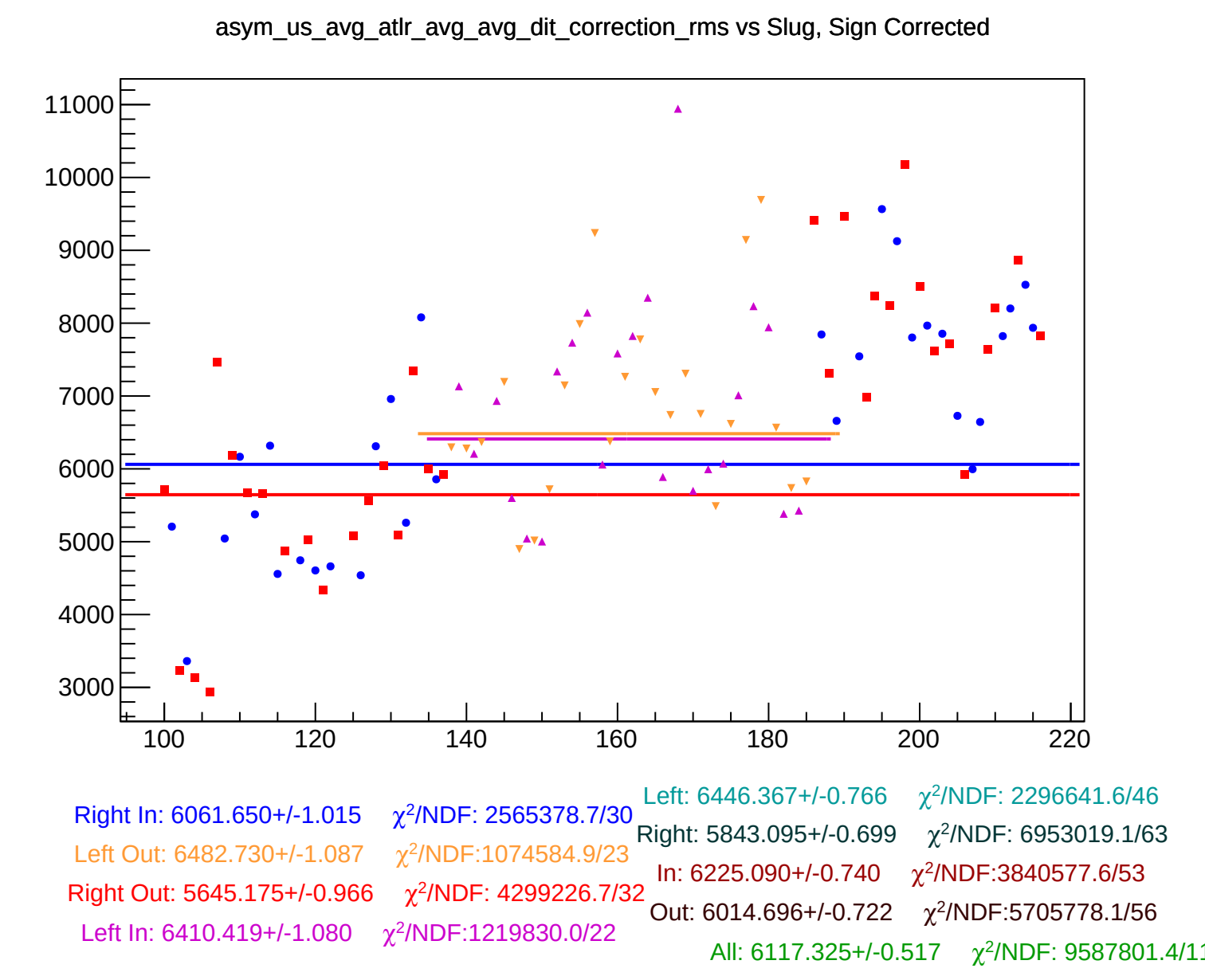
Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

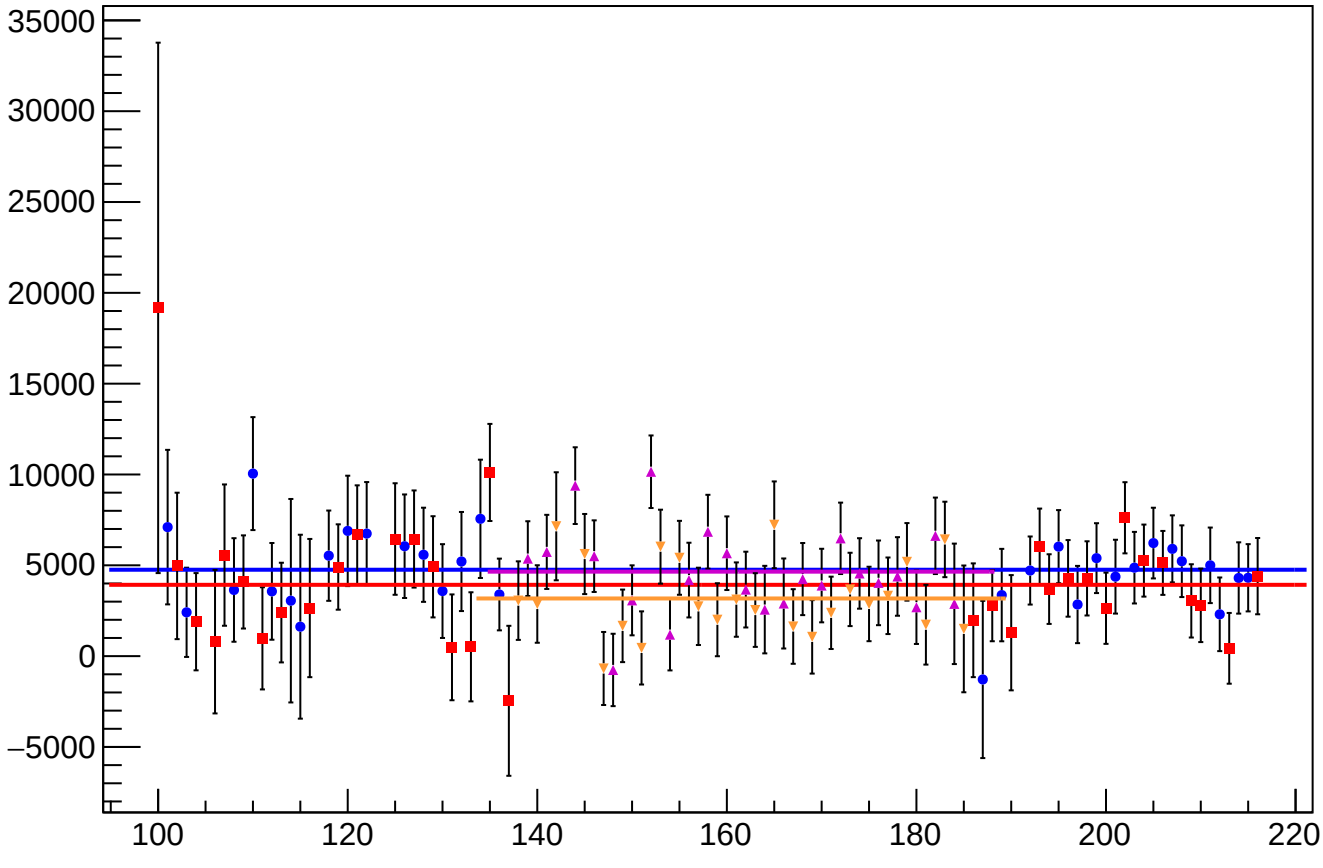
Right: -284.349+/-989.192 χ^2/NDF: 76.0/63

In: -133.552+/-1046.003 χ^2/NDF:48.5/53

Out: -550.014+/-1020.766 χ^2/NDF:70.0/56

All: -346.868+/-730.550 χ^2/NDF: 118.6/110


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
220
Right In: 6061.650+/-1.015 χ²/NDF: 2565378.7/30
Left Out: 6482.730+/-1.087 χ²/NDF:1074584.9/23
Right Out: 5645.175+/-0.966 χ²/NDF: 4299226.7/32
Left In: 6410.419+/-1.080 χ²/NDF:1219830.0/22
Left: 6446.367+/-0.766 χ²/NDF: 2296641.6/46
Right: 5843.095+/-0.699 χ²/NDF: 6953019.1/63
In: 6225.090+/-0.740 χ²/NDF:3840577.6/53
Out: 6014.696+/-0.722 χ²/NDF:5705778.1/56
All: 6117.325+/-0.517 χ²/NDF: 9587801.4/11



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: 3925.823+/-428.646 χ^2/NDF: 28.6/32

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

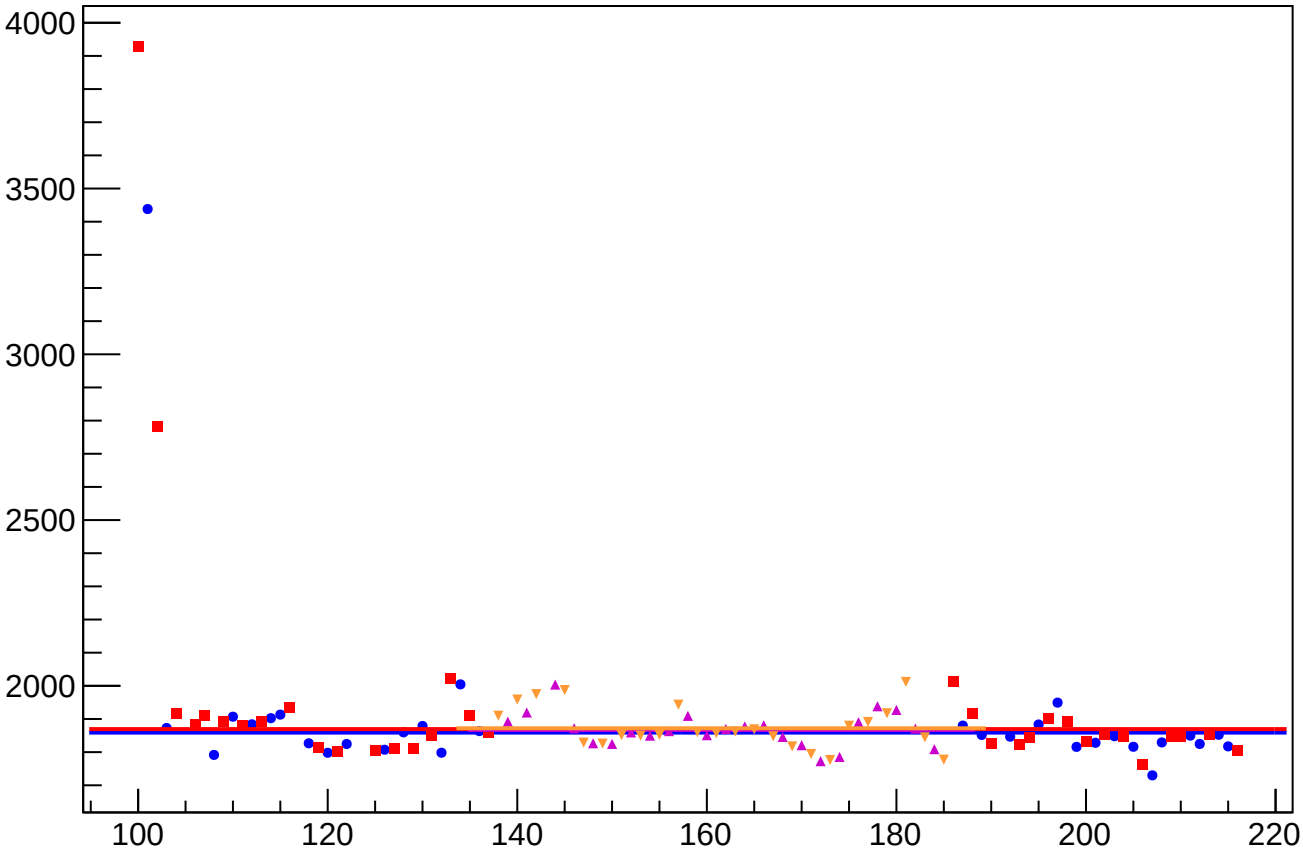
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4344.461+/-301.849 χ^2/NDF: 44.5/63

In: 4704.723+/-304.451 χ^2/NDF:44.6/53

Out: 3555.551+/-305.256 χ^2/NDF:51.7/56

All: 4131.654+/-215.564 χ^2/NDF: 103.3/110



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: 1869.533+/-0.303 χ^2/NDF: 173332.5/32

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

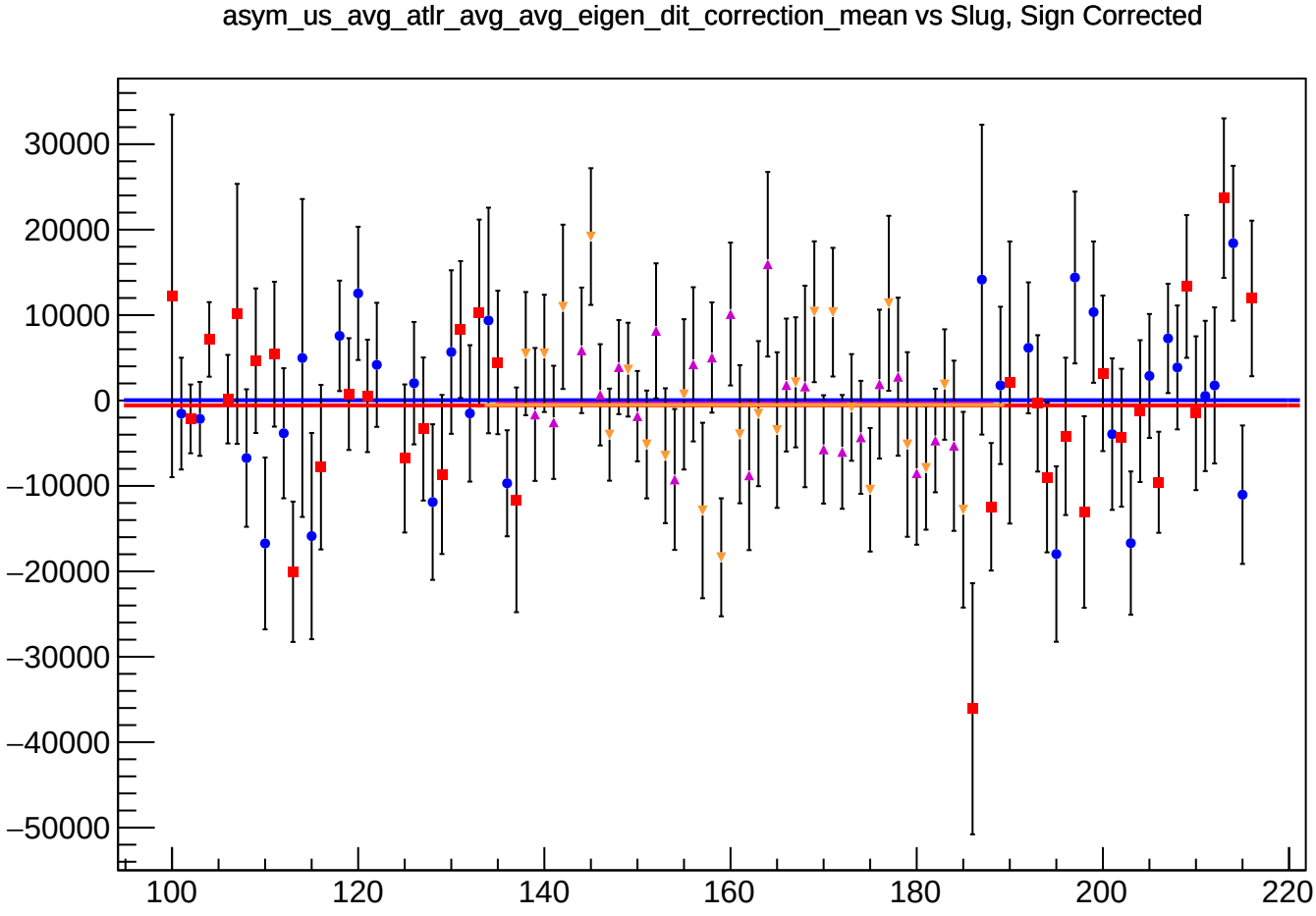
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1864.226+/-0.213 χ^2/NDF: 477447.9/63

In: 1862.937+/-0.215 χ^2/NDF:331106.2/53

Out: 1870.739+/-0.216 χ^2/NDF:210520.5/56

All: 1866.829+/-0.152 χ^2/NDF: 542281.8/110



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: -573.499+/-1365.507 χ^2/NDF: 40.8/32

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

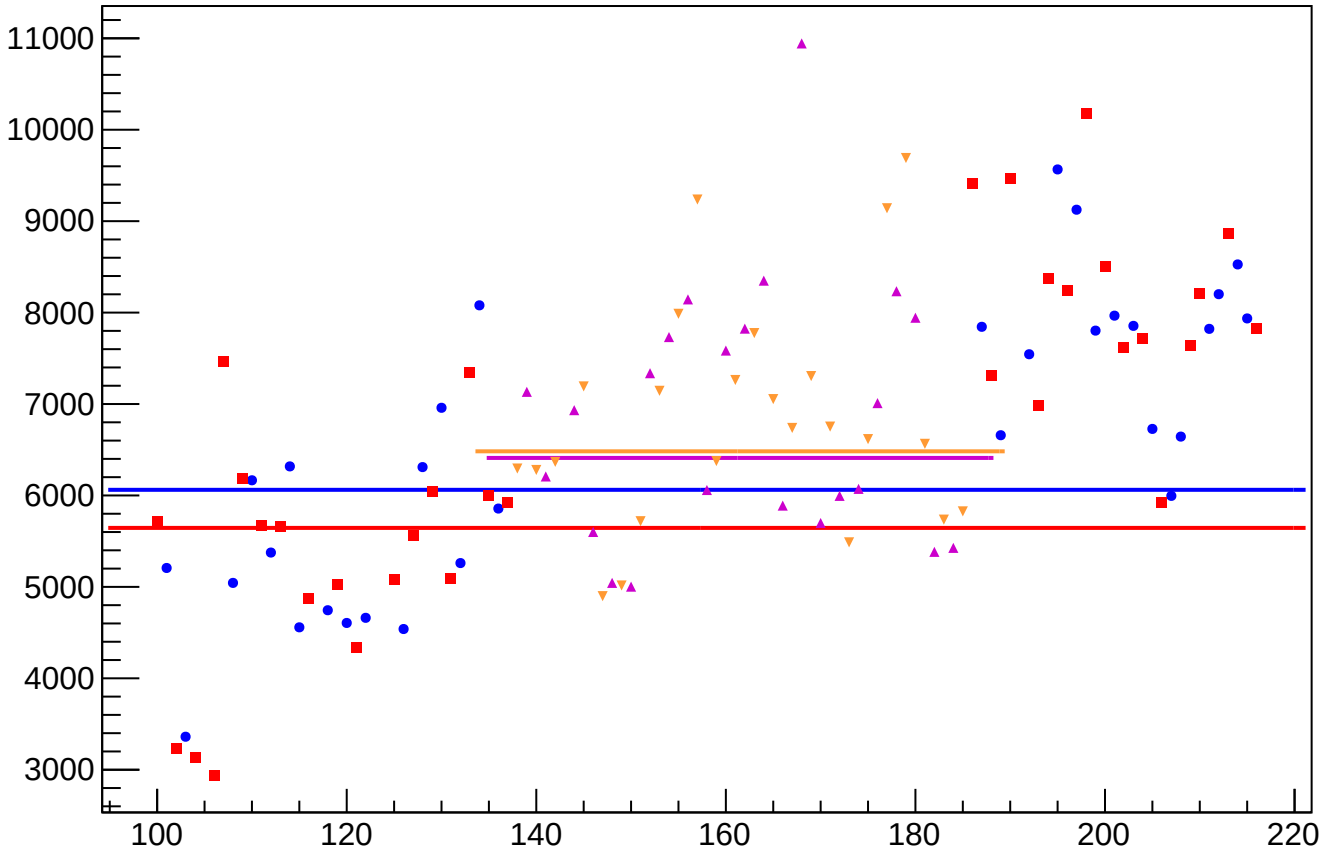
Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

Right: -284.346+/-989.191 χ^2/NDF: 76.0/63

In: -133.552+/-1046.003 χ^2/NDF:48.5/53

Out: -550.014+/-1020.766 χ^2/NDF:70.0/56

All: -346.868+/-730.550 χ^2/NDF: 118.6/110



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: 5645.166+/-0.966 χ^2/NDF: 4299261.4/32

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

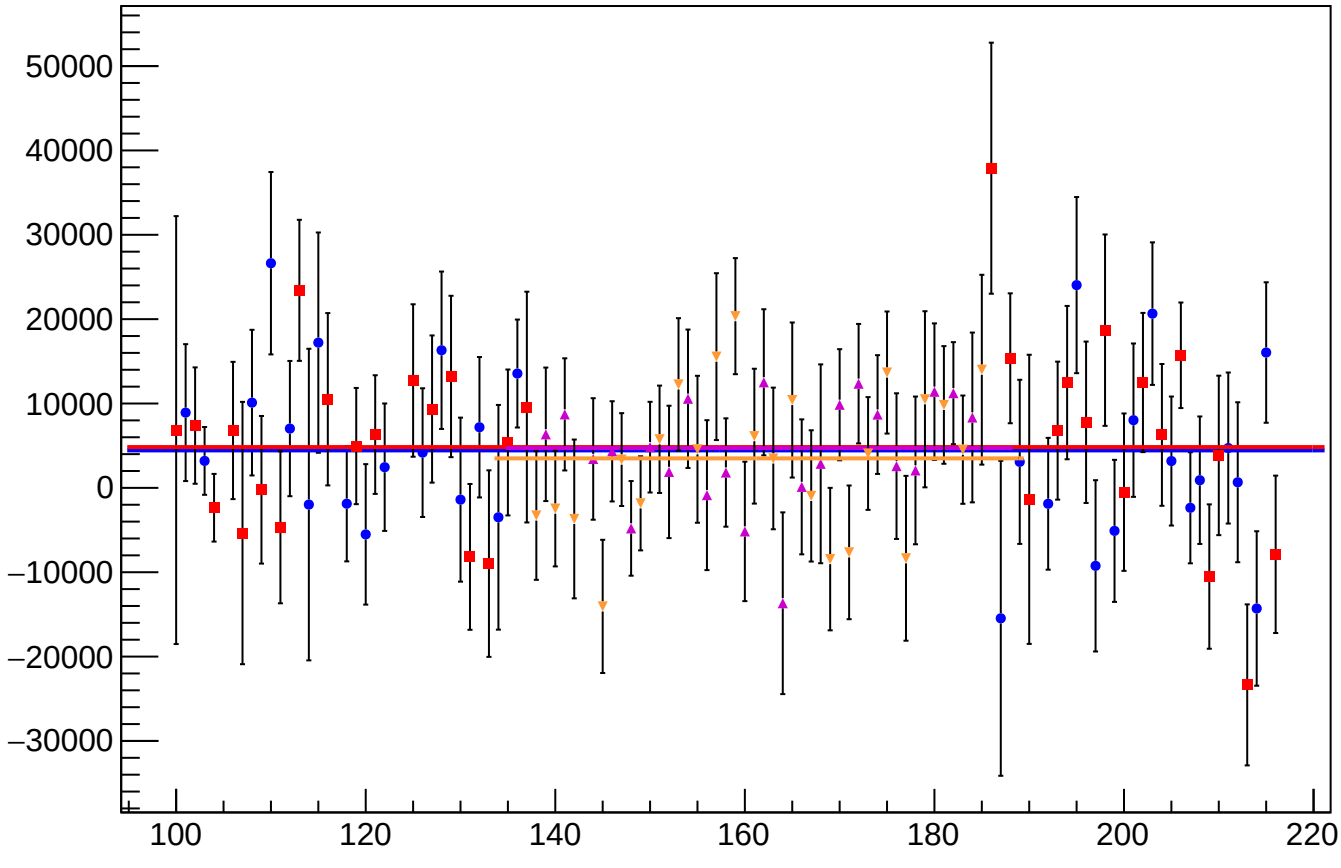
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5843.087+/-0.699 χ^2/NDF: 6953089.6/63

In: 6225.091+/-0.740 χ^2/NDF:3840620.5/53

Out: 6014.695+/-0.722 χ^2/NDF:5705830.8/56

All: 6117.324+/-0.517 χ^2/NDF: 9587897.8/11



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: 4836.229+/-1482.761 χ^2/NDF: 43.7/32

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

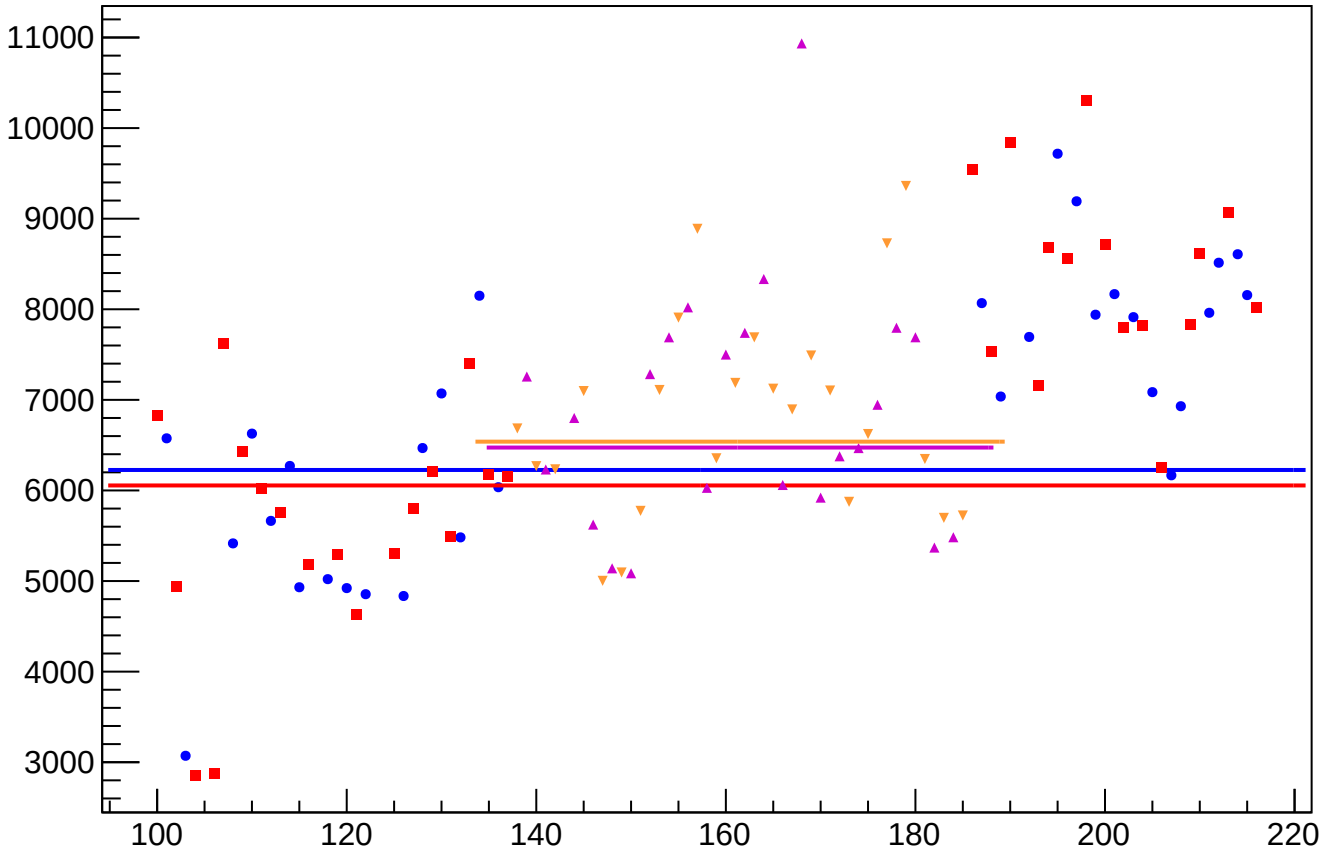
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 4638.424+/-1047.183 χ^2/NDF: 76.6/63

In: 4575.033+/-1066.498 χ^2/NDF:47.2/53

Out: 4194.573+/-1070.075 χ^2/NDF:71.5/56

All: 4385.440+/-755.390 χ^2/NDF: 118.8/110



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: 6055.122+/-1.036 χ^2/NDF: 3828280.8/32

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

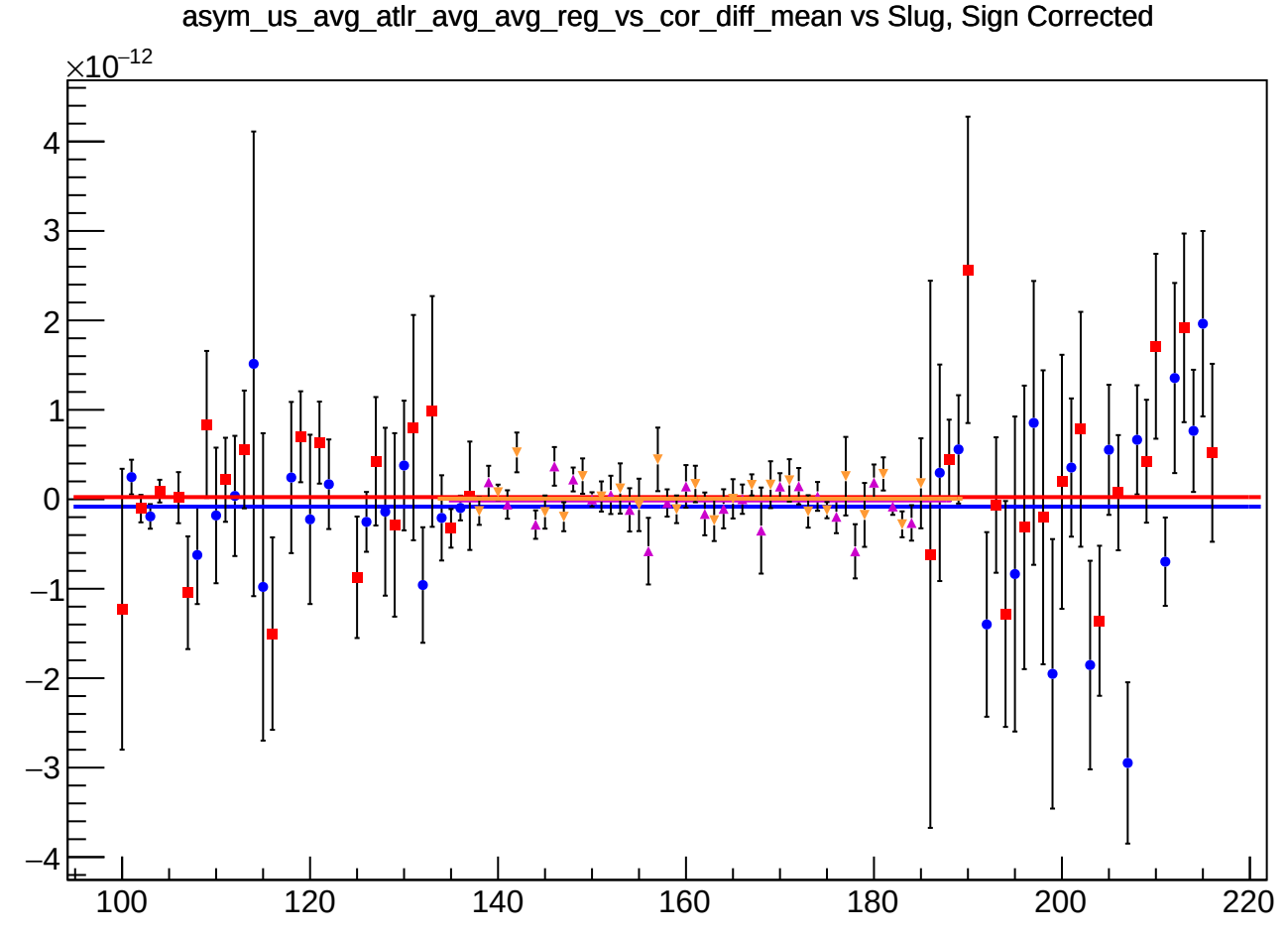
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 6139.732+/-0.736 χ^2/NDF: 6676880.8/63

In: 6344.823+/-0.754 χ^2/NDF:3933757.7/53

Out: 6283.897+/-0.752 χ^2/NDF:4852023.8/56

All: 6314.267+/-0.532 χ^2/NDF: 8789055.0/11



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: 31.3/32

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

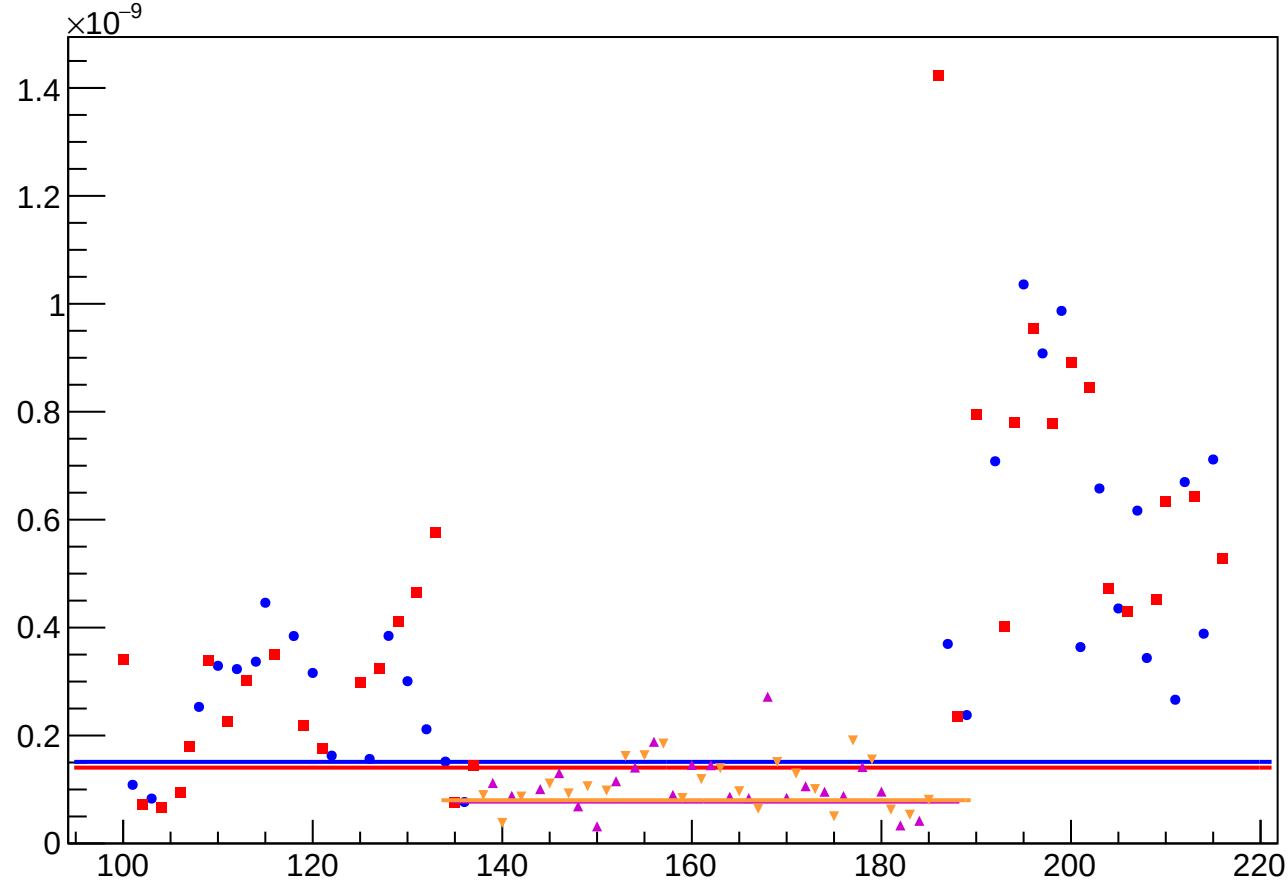
Right: -0.000+/-0.000 χ^2/NDF: 69.3/63

In: -0.000+/-0.000 χ^2/NDF:61.6/53

Out: 0.000+/-0.000 χ^2/NDF:58.5/56

All: -0.000+/-0.000 χ^2/NDF: 120.8/110

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7230171.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8326741.3/32

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

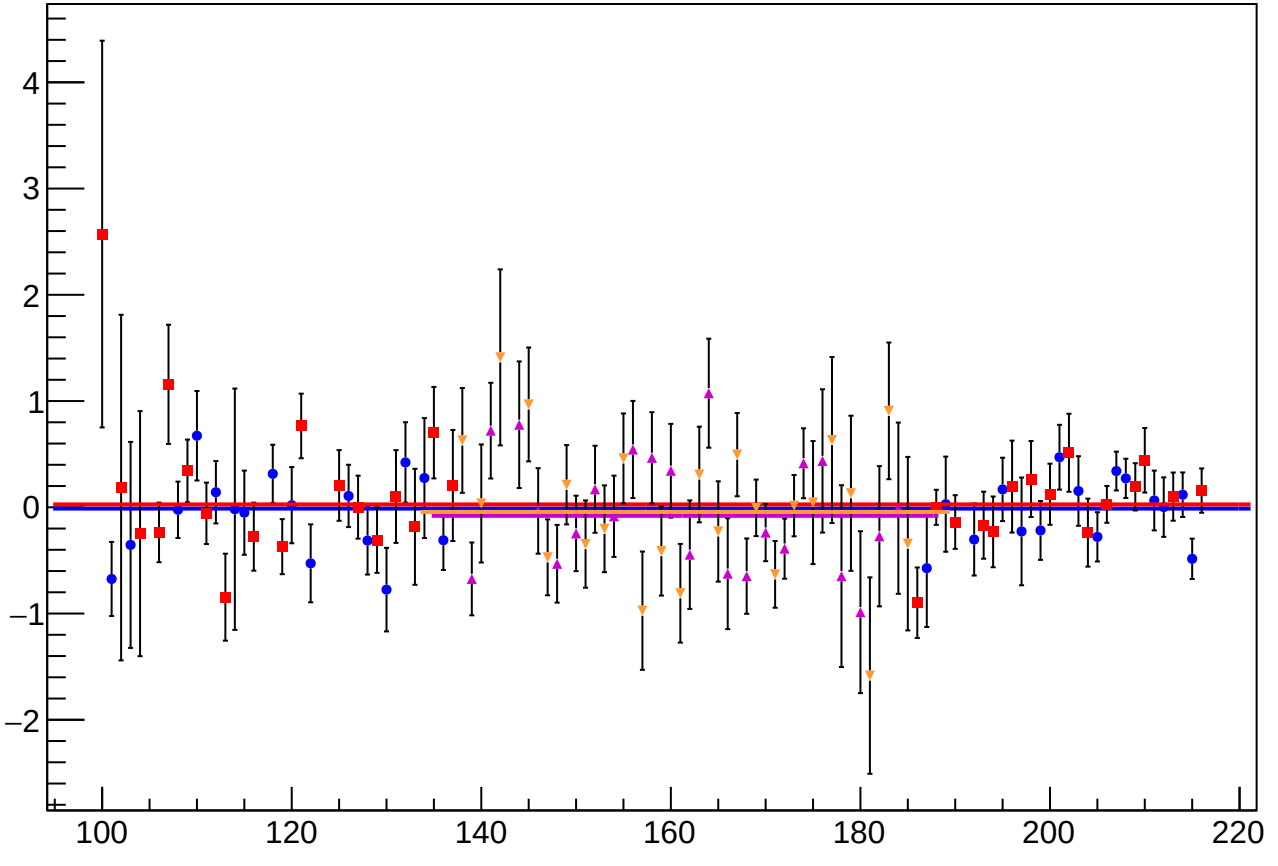
Right: 0.000+/-0.000 χ^2/NDF: 15578155.5/63

In: 0.000+/-0.000 χ^2/NDF:11532019.4/53

Out: 0.000+/-0.000 χ^2/NDF:11585978.0/56

All: 0.000+/-0.000 χ^2/NDF: 23118208.7/110

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: 0.027+/-0.053 χ^2/NDF: 41.4/32

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

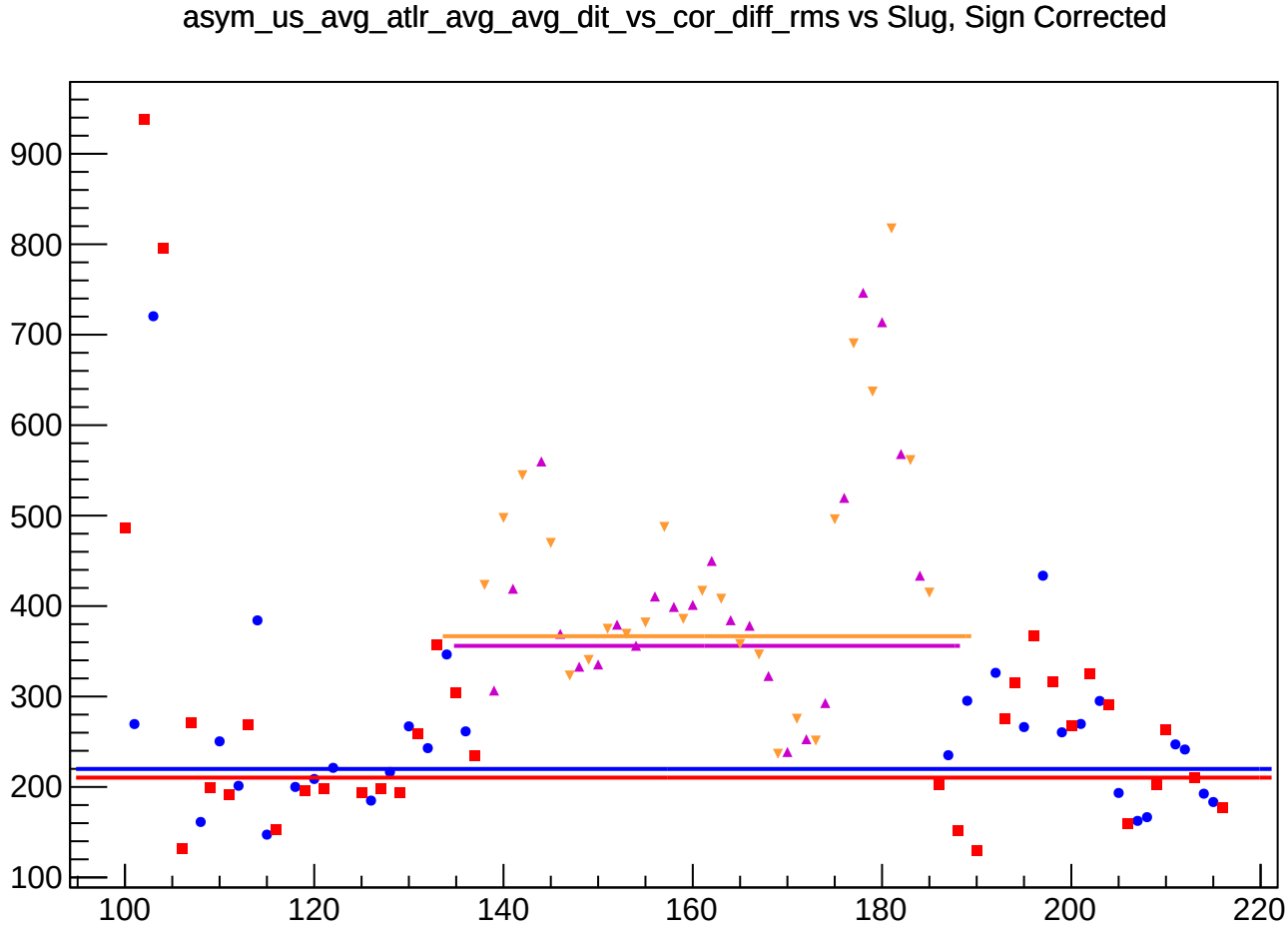
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: 0.008+/-0.038 χ^2/NDF: 79.0/63

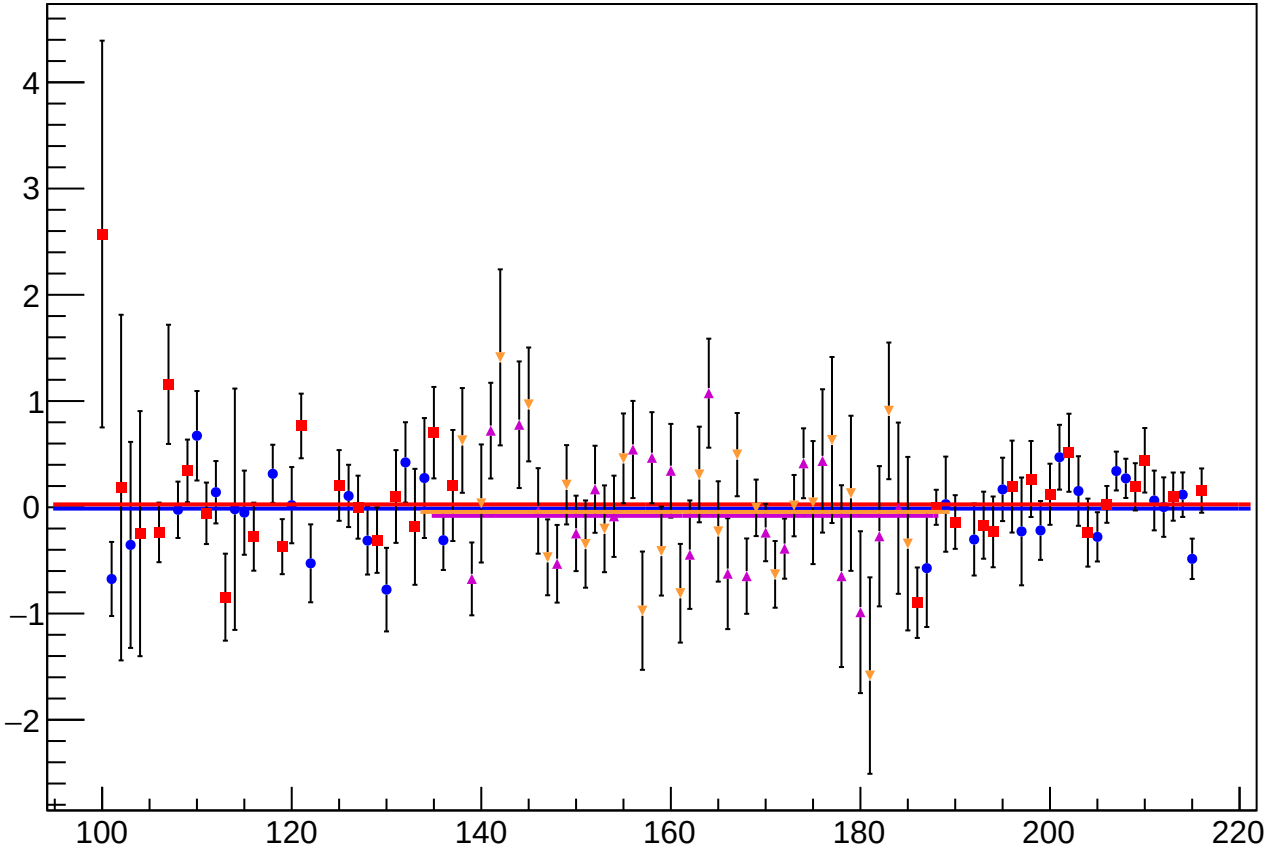
In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.009+/-0.046 χ^2/NDF:72.9/56

All: -0.011+/-0.032 χ^2/NDF: 141.4/110


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
900
800
700
600
500
400
300
200
100
100
120
140
160
180
200
220
Right In: 219.932+/-0.038 χ²/NDF: 2408898.6/30
Left Out: 366.670+/-0.064 χ²/NDF:2841071.8/23
Right Out: 210.336+/-0.037 χ²/NDF: 3417825.9/32
Left In: 355.992+/-0.062 χ²/NDF:2420701.1/22
Left: 361.170+/-0.045 χ²/NDF: 5276130.6/46
Right: 215.036+/-0.027 χ²/NDF: 5859262.4/63
In: 257.034+/-0.032 χ²/NDF:8325355.6/53
Out: 249.902+/-0.032 χ²/NDF:10720938.3/56
All: 253.442+/-0.023 χ²/NDF: 19070683.2/1

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: 0.027+/-0.053 χ^2/NDF: 41.4/32

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

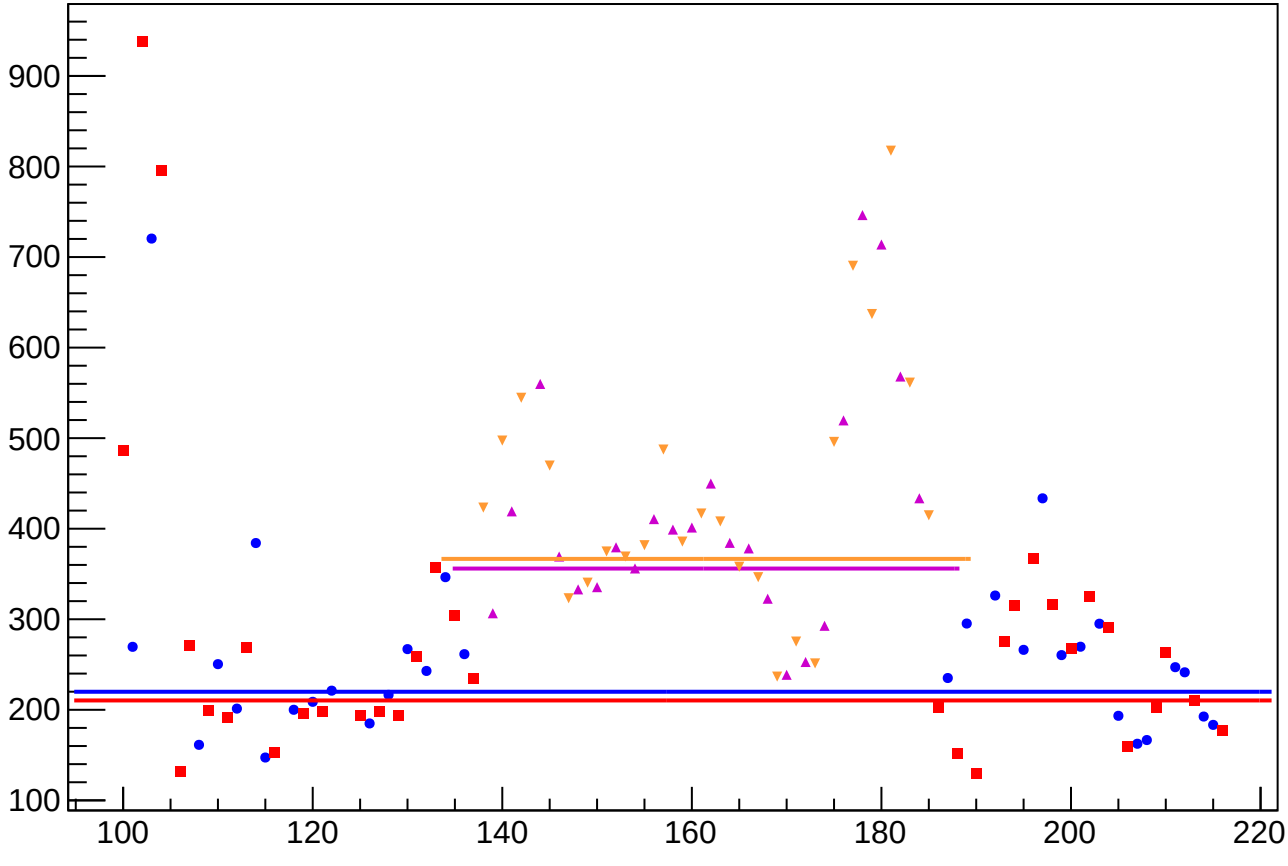
Right: 0.008+/-0.038 χ^2/NDF: 79.0/63

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.009+/-0.046 χ^2/NDF:72.9/56

All: -0.011+/-0.032 χ^2/NDF: 141.4/110

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: 210.336+/-0.037 χ^2/NDF: 3417825.9/32

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

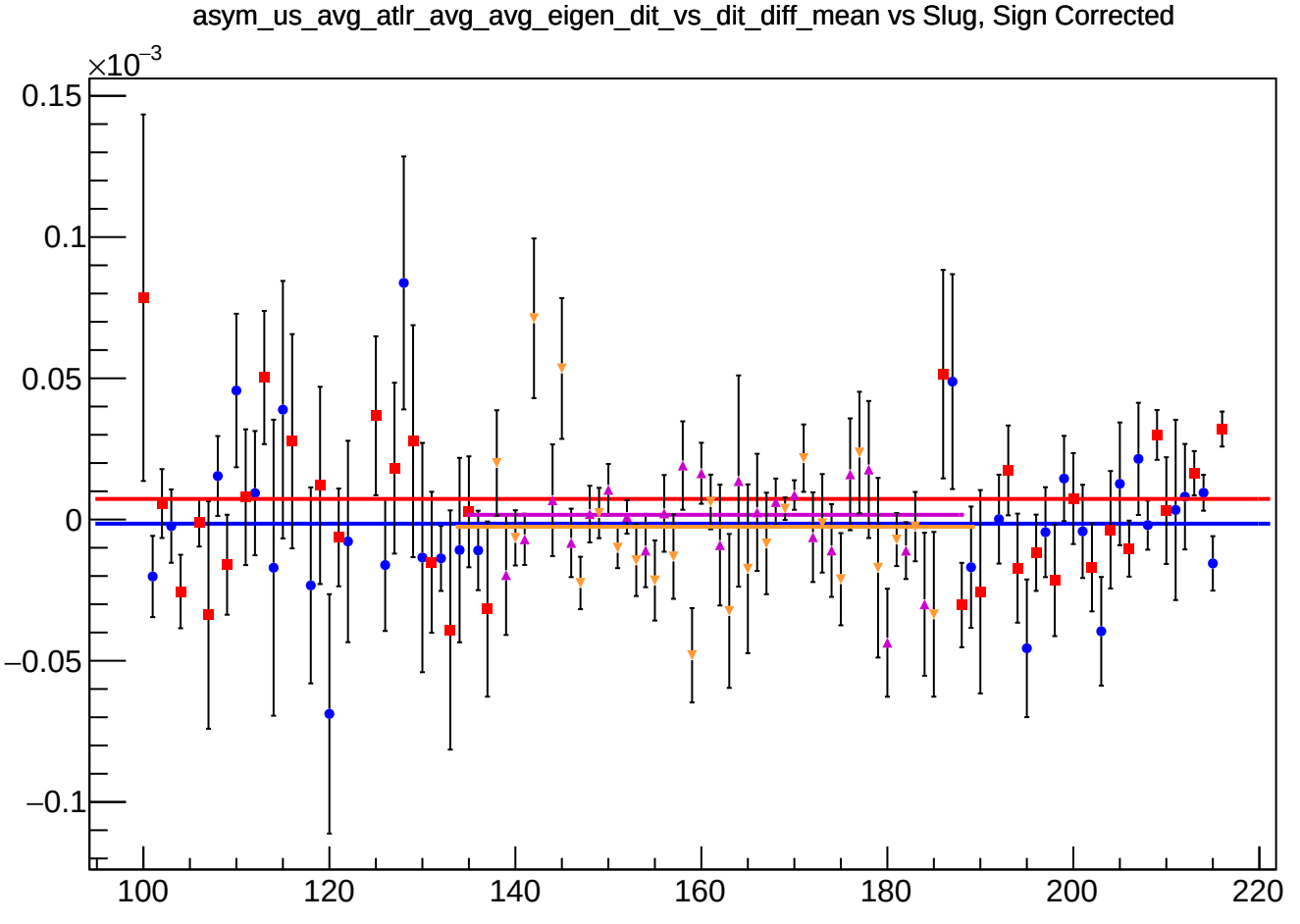
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 215.036+/-0.027 χ^2/NDF: 5859262.4/63

In: 257.034+/-0.032 χ^2/NDF:8325355.6/53

Out: 249.902+/-0.032 χ^2/NDF:10720938.3/56

All: 253.442+/-0.023 χ^2/NDF: 19070683.2/11



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: 65.2/32

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

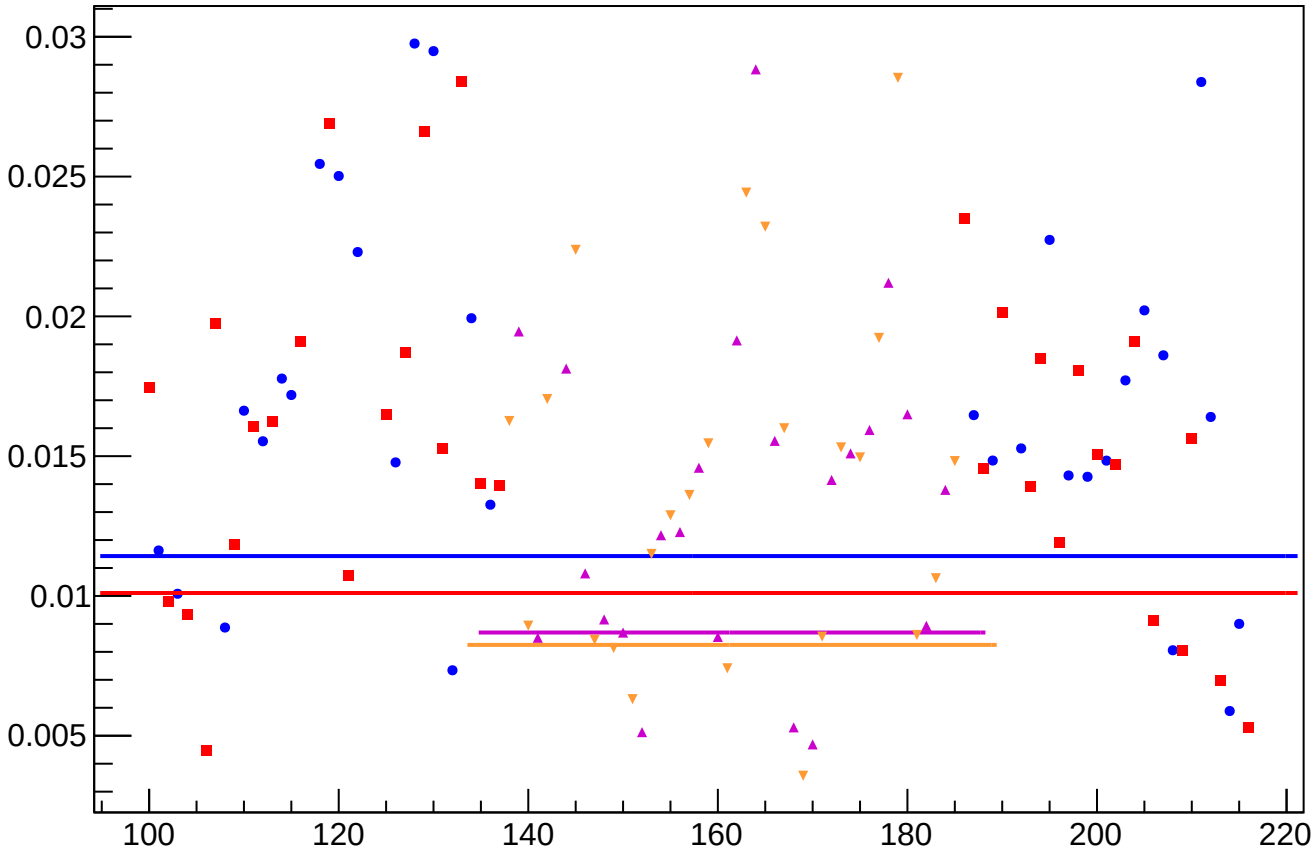
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: 0.000+/-0.000 χ^2/NDF: 104.0/63

In: 0.000+/-0.000 χ^2/NDF:55.2/53

Out: 0.000+/-0.000 χ^2/NDF:116.8/56

All: 0.000+/-0.000 χ^2/NDF: 172.3/110



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: 0.010+/-0.000 χ^2/NDF: 7043935.3/32

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

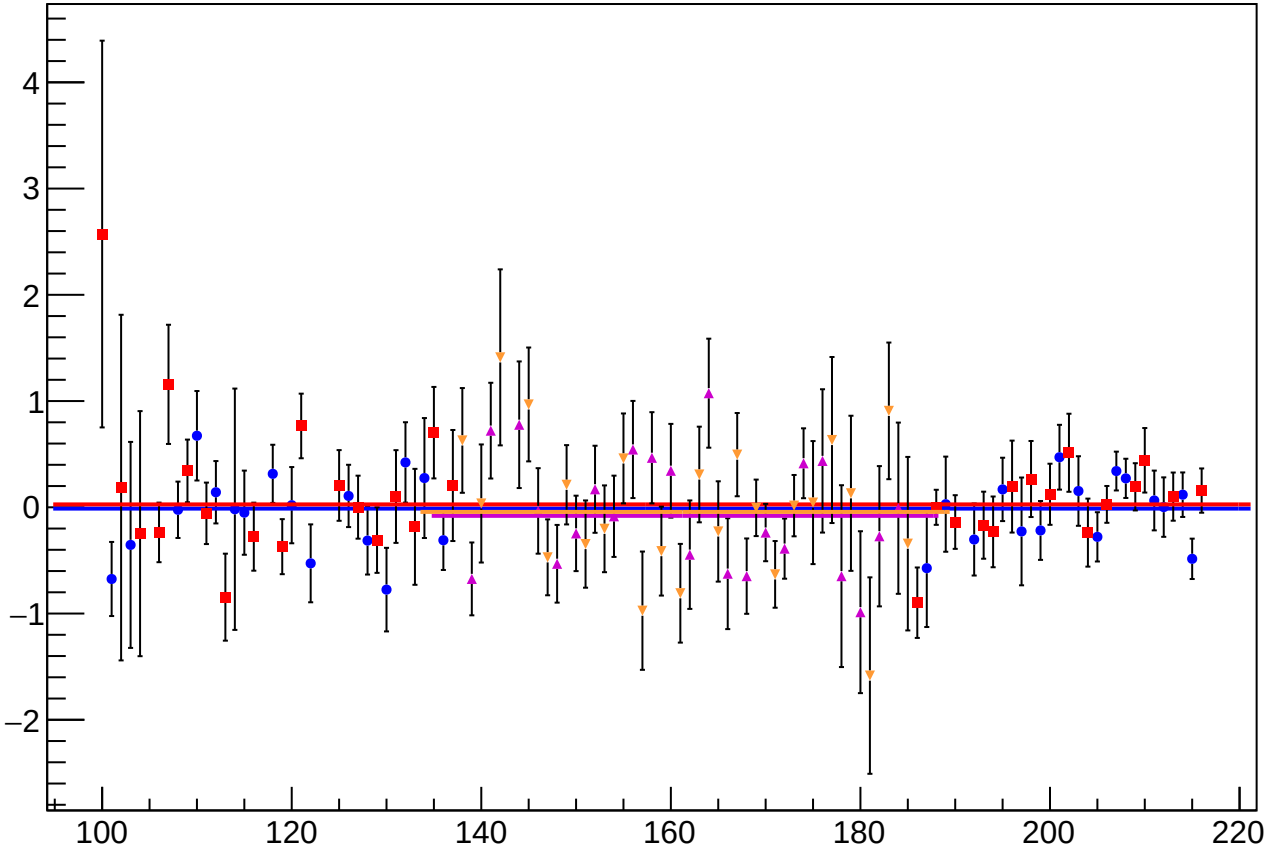
Right: 0.011+/-0.000 χ^2/NDF: 13792276.6/63

In: 0.010+/-0.000 χ^2/NDF:14468119.1/53

Out: 0.009+/-0.000 χ^2/NDF:16500052.7/56

All: 0.009+/-0.000 χ^2/NDF: 31139223.6/110

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: 0.027+/-0.053 χ^2/NDF: 41.4/32

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

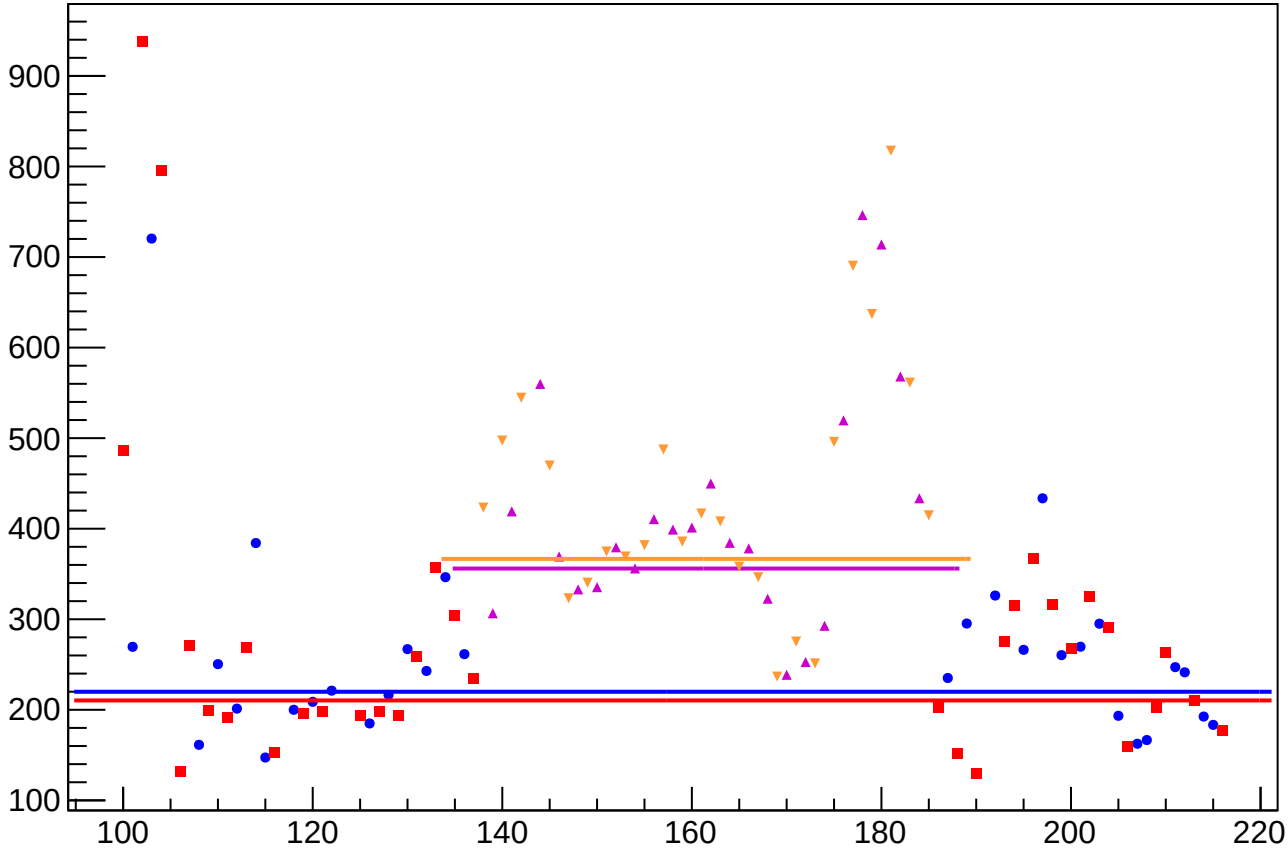
Right: 0.008+/-0.038 χ^2/NDF: 79.0/63

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.009+/-0.046 χ^2/NDF:72.9/56

All: -0.011+/-0.032 χ^2/NDF: 141.4/110

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: 210.333+/-0.037 χ^2/NDF: 3417888.0/32

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

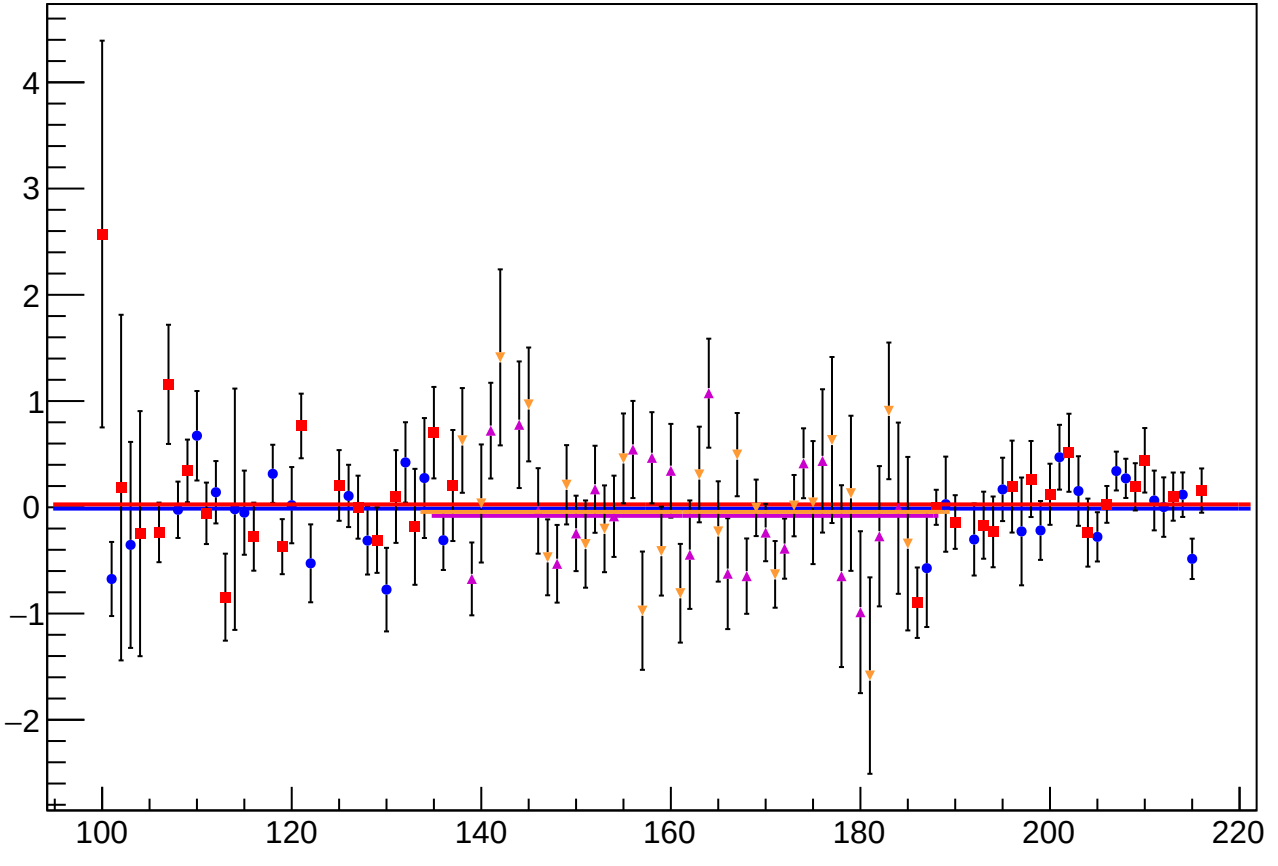
Right: 215.034+/-0.027 χ^2/NDF: 5859369.4/63

In: 257.033+/-0.032 χ^2/NDF:8325671.8/53

Out: 249.899+/-0.032 χ^2/NDF:10721380.2/56

All: 253.440+/-0.023 χ^2/NDF: 19071451.6/1

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: 0.027+/-0.053 χ^2/NDF: 41.4/32

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

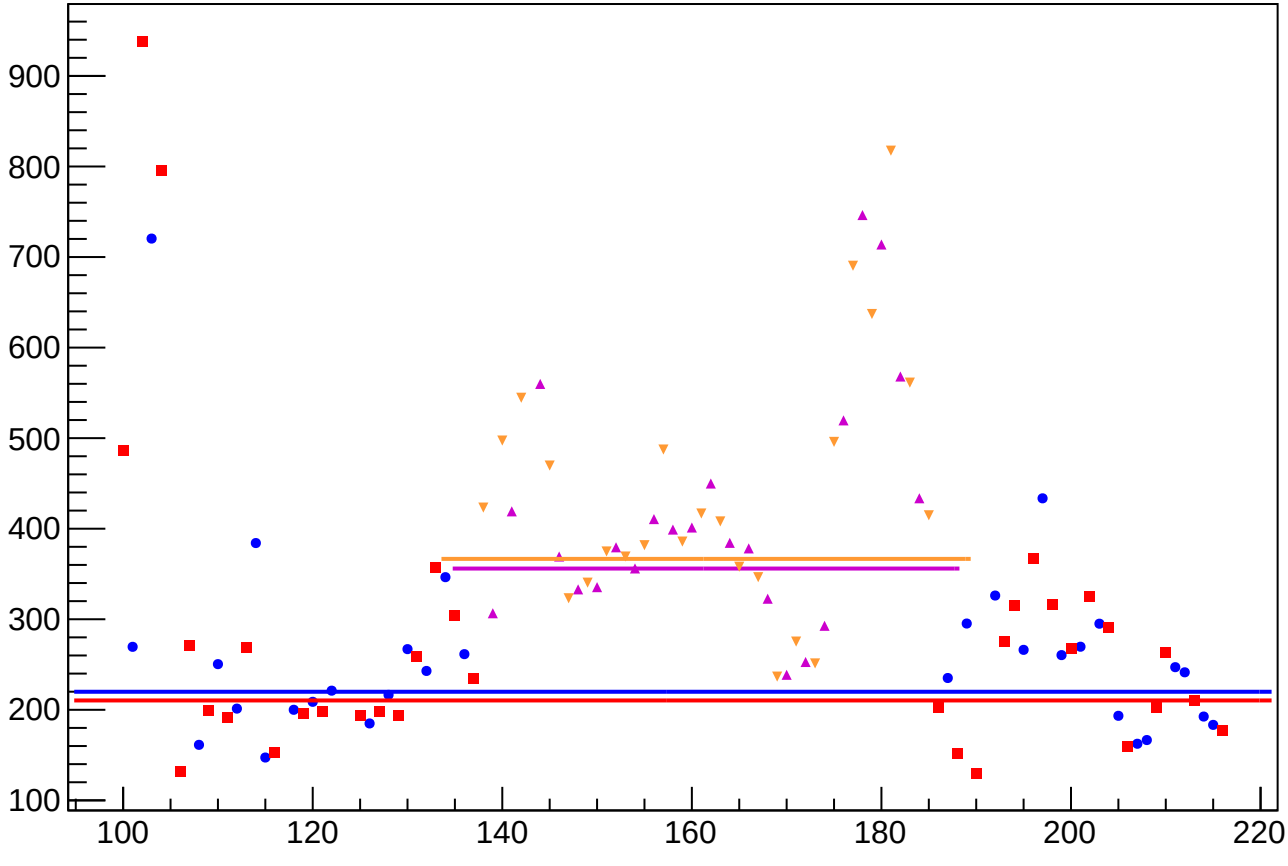
Right: 0.008+/-0.038 χ^2/NDF: 79.0/63

In: -0.031+/-0.046 χ^2/NDF:68.1/53

Out: 0.009+/-0.046 χ^2/NDF:72.9/56

All: -0.011+/-0.032 χ^2/NDF: 141.4/110

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: 210.333+/-0.037 χ^2/NDF: 3417888.0/32

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

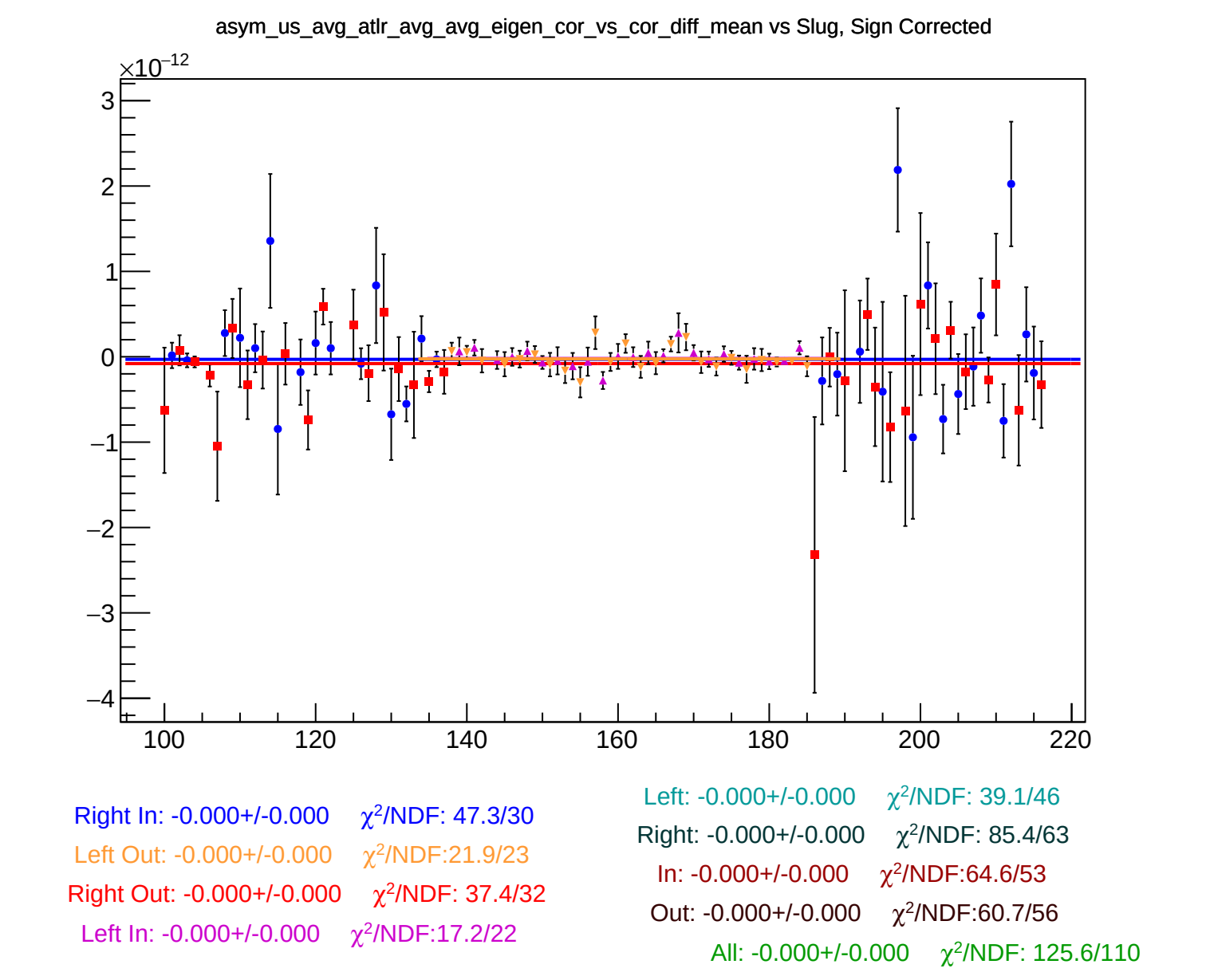
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

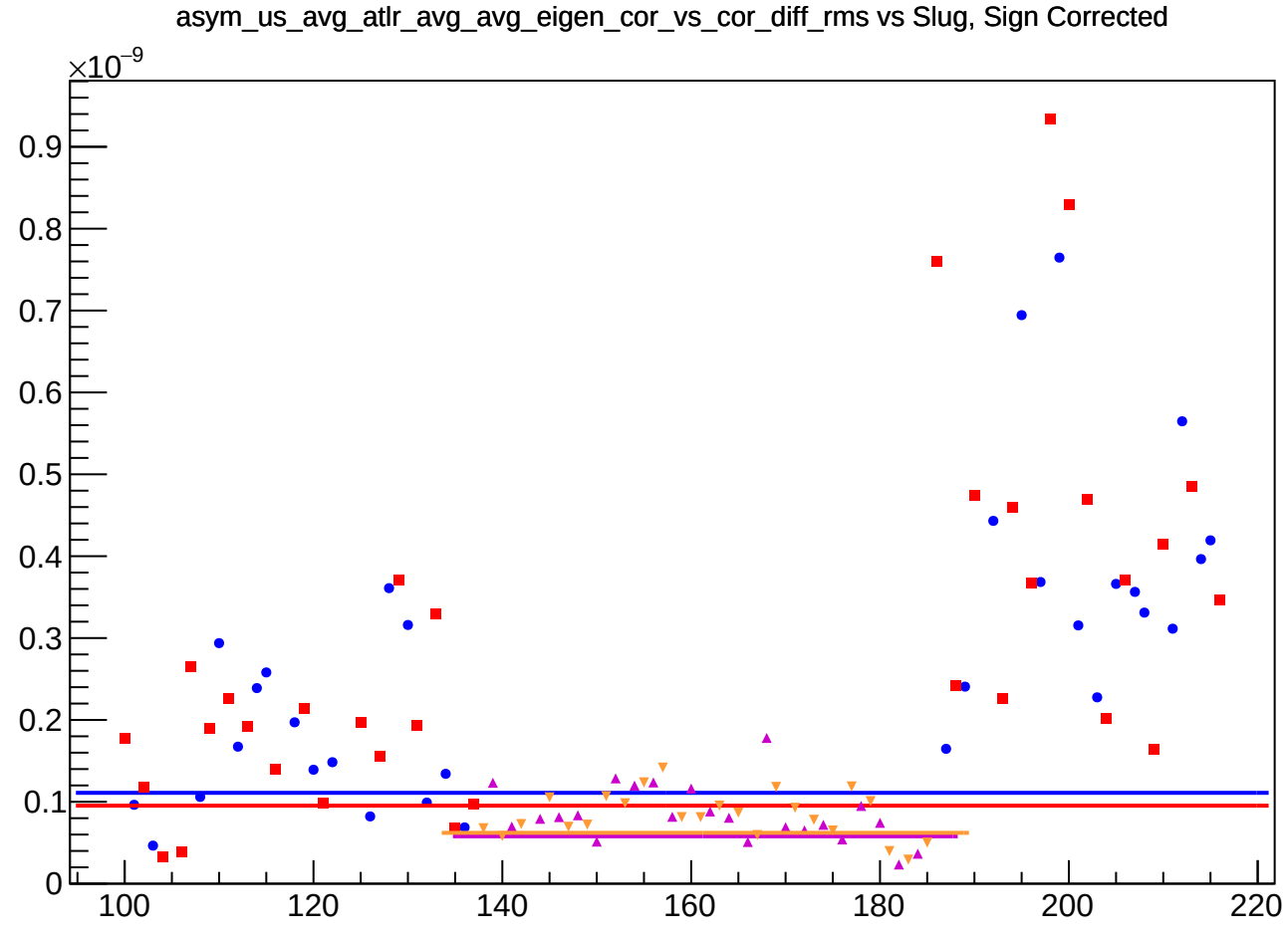
Right: 215.034+/-0.027 χ^2/NDF: 5859369.4/63

In: 257.033+/-0.032 χ^2/NDF:8325671.8/53

Out: 249.899+/-0.032 χ^2/NDF:10721380.2/56

All: 253.440+/-0.023 χ^2/NDF: 19071451.6/1


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 47.3/30
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 37.4/32
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 85.4/63
In: -0.000+/-0.000 χ²/NDF:64.6/53
Out: -0.000+/-0.000 χ²/NDF:60.7/56
All: -0.000+/-0.000 χ²/NDF: 125.6/110



Right In: 0.000+/-0.000 χ^2/NDF: 10053002.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11697035.3/32

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

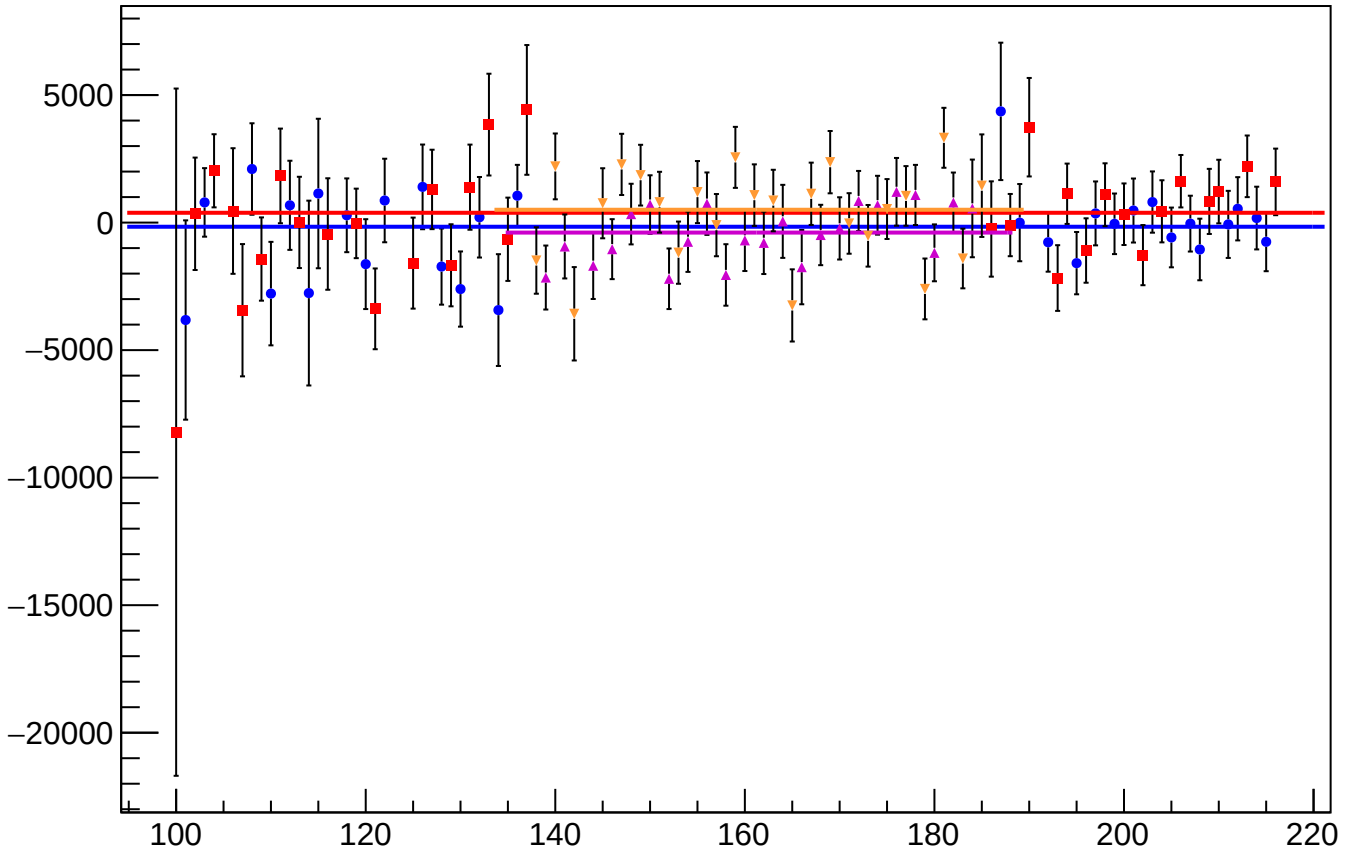
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 21881782.2/63

In: 0.000+/-0.000 χ^2/NDF:17995321.4/53

Out: 0.000+/-0.000 χ^2/NDF:16834655.2/56

All: 0.000+/-0.000 χ^2/NDF: 34847723.3/110



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: 384.893+/-260.157 χ^2/NDF: 37.6/32

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

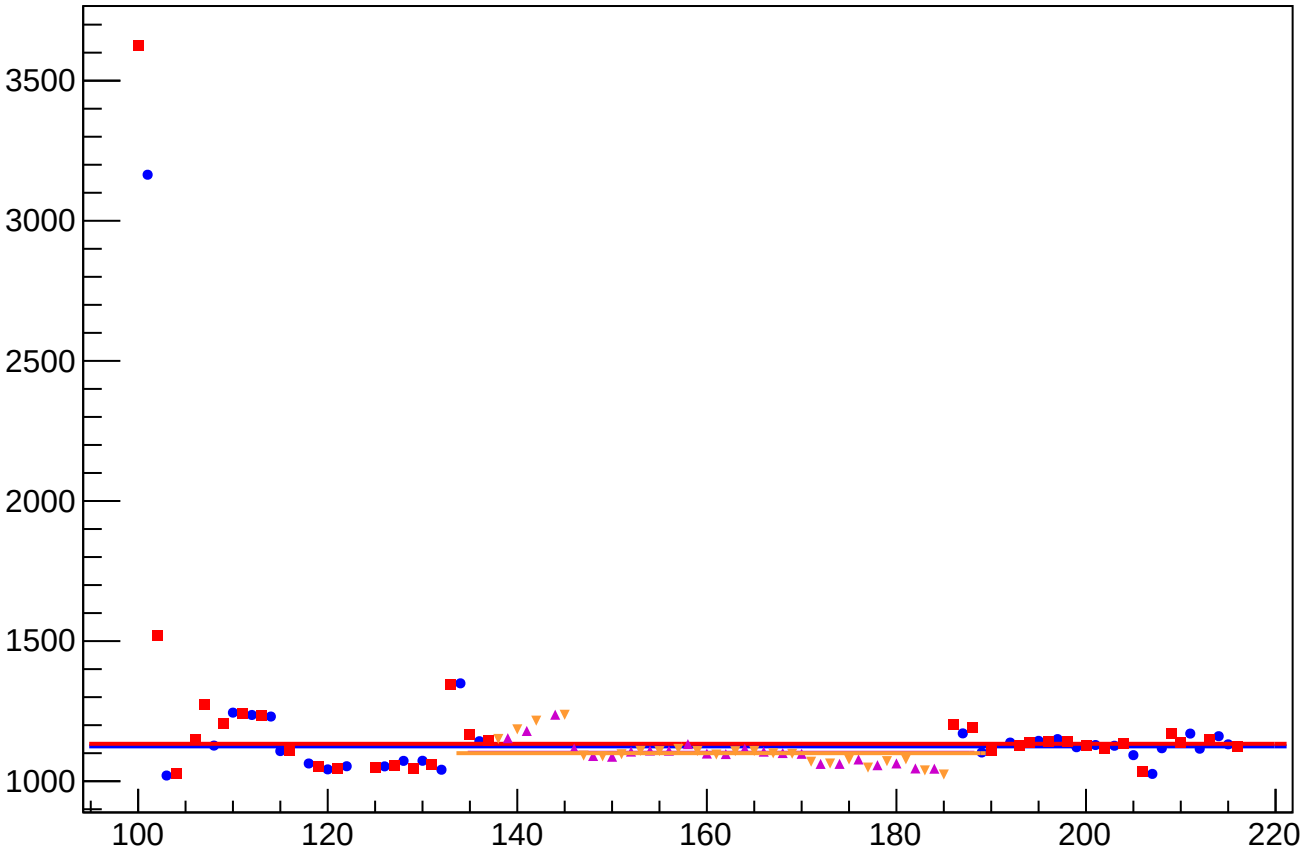
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 109.125+/-183.288 χ^2/NDF: 61.6/63

In: -277.573+/-182.311 χ^2/NDF:39.9/53

Out: 445.315+/-182.301 χ^2/NDF:82.3/56

All: 83.891+/-128.910 χ^2/NDF: 130.1/110



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: 1133.503+/-0.184 χ^2/NDF: 249485.9/32

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

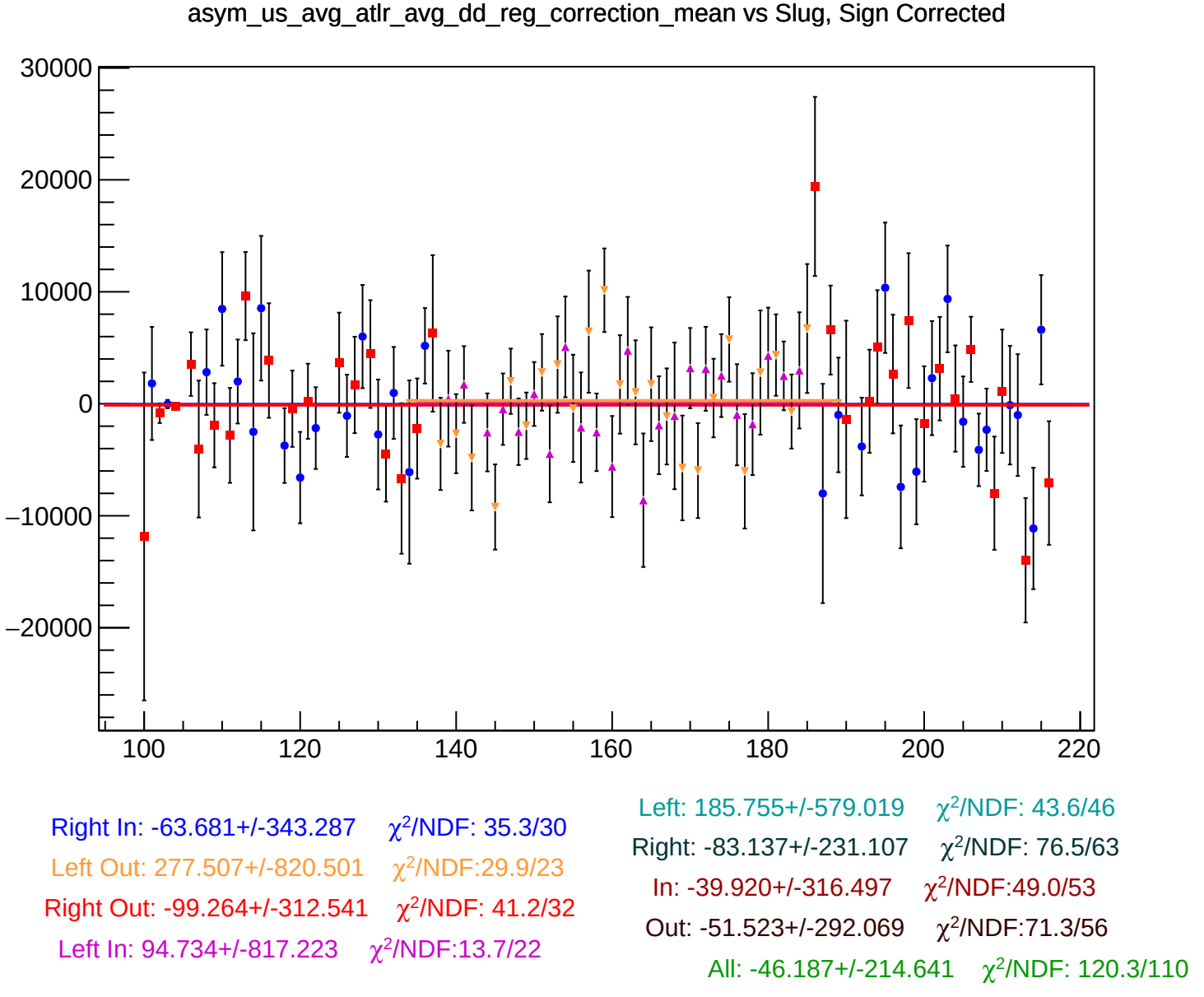
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

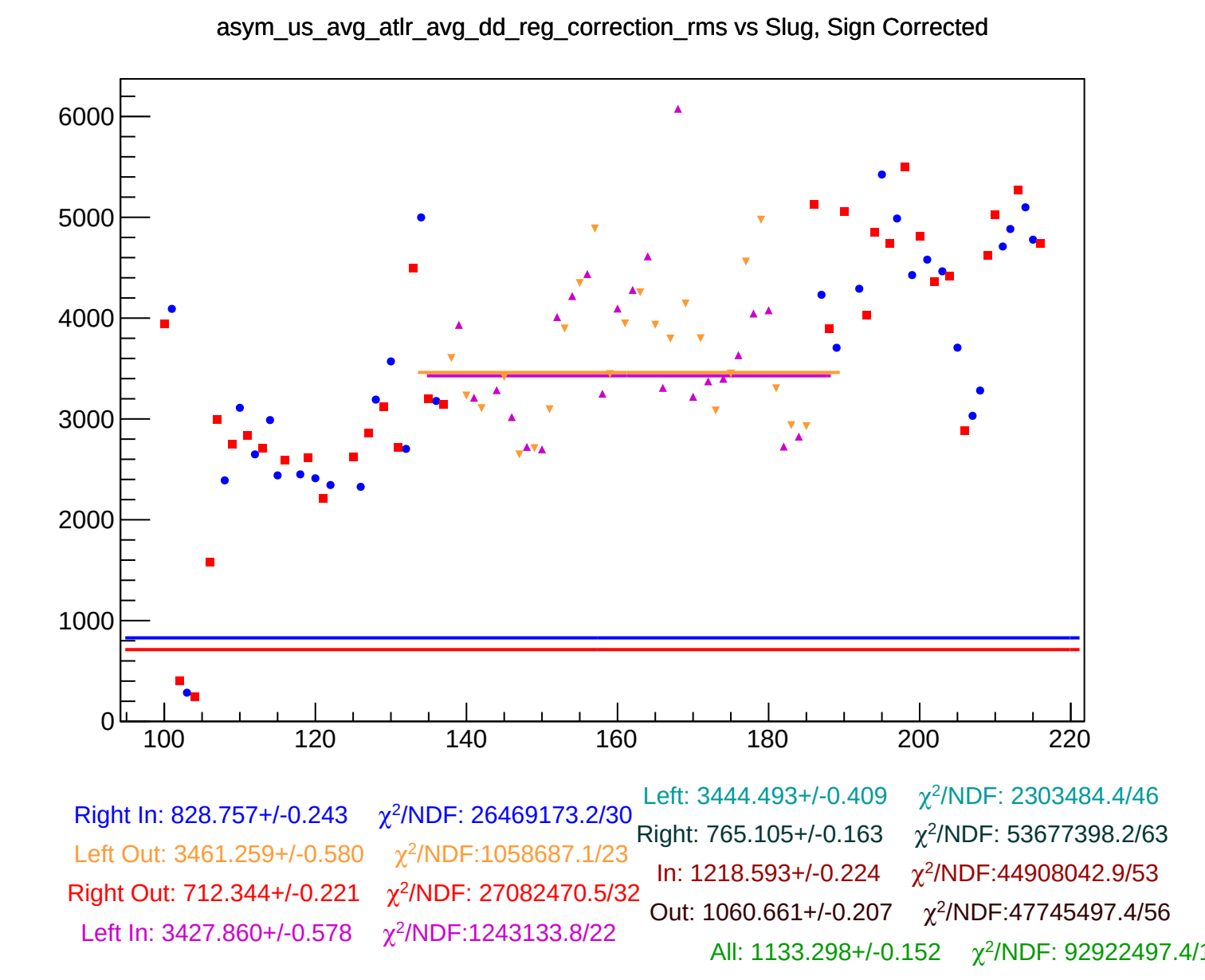
Right: 1128.889+/-0.130 χ^2/NDF: 896915.3/63

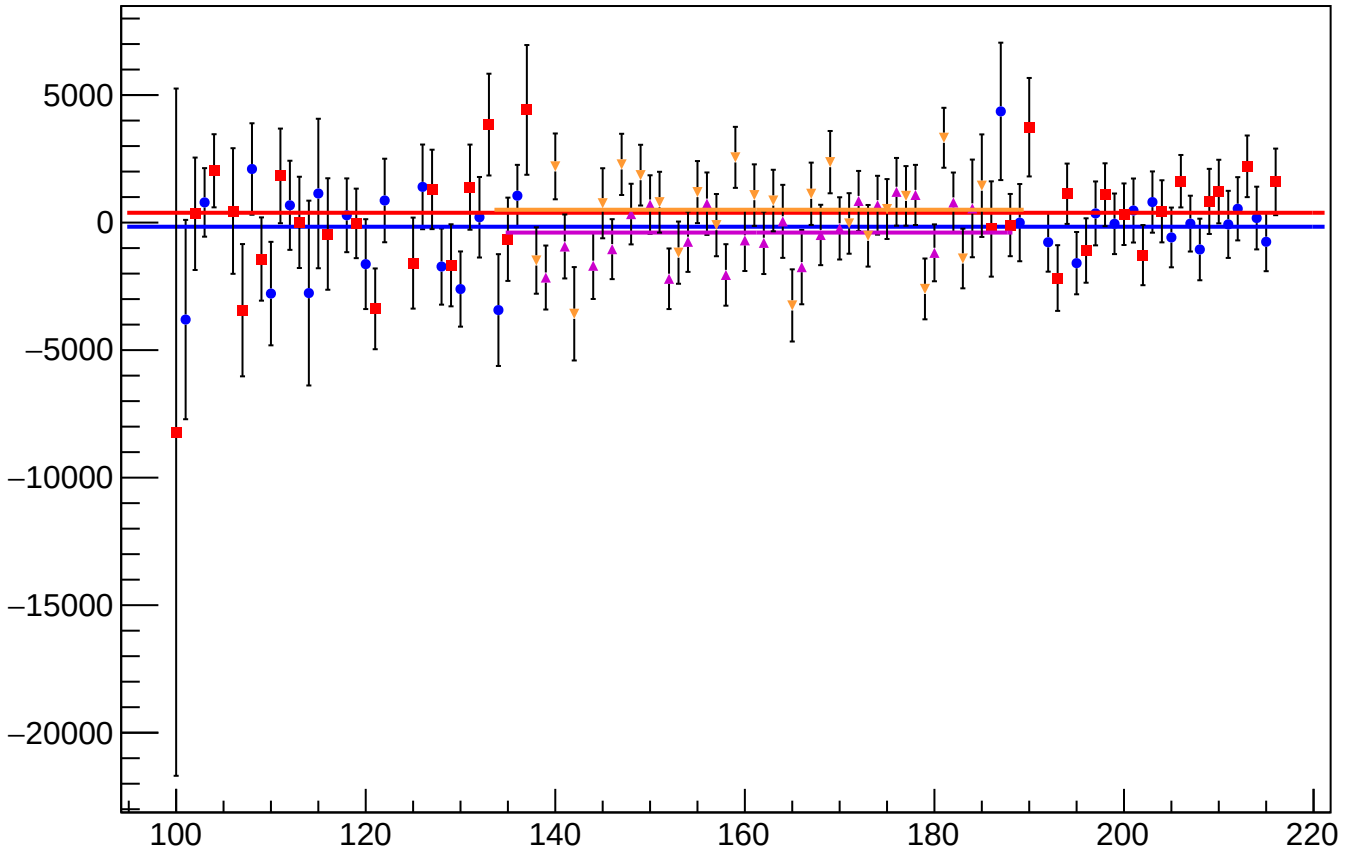
In: 1112.894+/-0.129 χ^2/NDF:706148.1/53

Out: 1116.494+/-0.129 χ^2/NDF:325049.2/56

All: 1114.695+/-0.091 χ^2/NDF: 1031587.5/11


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -63.681+/-343.287 χ²/NDF: 35.3/30
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -99.264+/-312.541 χ²/NDF: 41.2/32
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -83.137+/-231.107 χ²/NDF: 76.5/63
In: -39.920+/-316.497 χ²/NDF:49.0/53
Out: -51.523+/-292.069 χ²/NDF:71.3/56
All: -46.187+/-214.641 χ²/NDF: 120.3/110


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 828.757+/-0.243 χ²/NDF: 26469173.2/30
Left Out: 3461.259+/-0.580 χ²/NDF:1058687.1/23
Right Out: 712.344+/-0.221 χ²/NDF: 27082470.5/32
Left In: 3427.860+/-0.578 χ²/NDF:1243133.8/22
Left: 3444.493+/-0.409 χ²/NDF: 2303484.4/46
Right: 765.105+/-0.163 χ²/NDF: 53677398.2/63
In: 1218.593+/-0.224 χ²/NDF:44908042.9/53
Out: 1060.661+/-0.207 χ²/NDF:47745497.4/56
All: 1133.298+/-0.152 χ²/NDF: 92922497.4/



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: 384.921+/-260.157 χ^2/NDF: 37.6/32

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

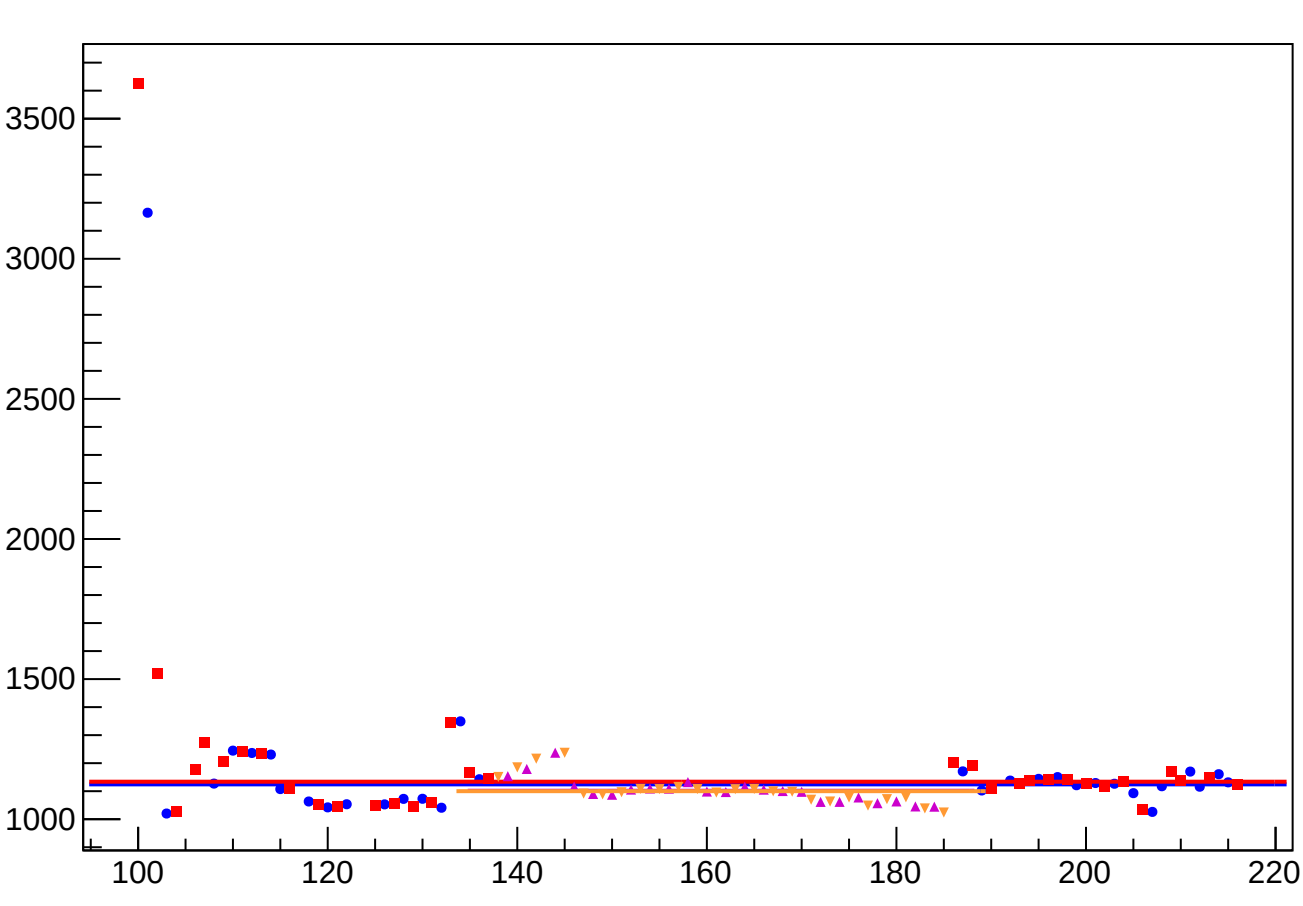
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 109.164+/-183.288 χ^2/NDF: 61.6/63

In: -277.541+/-182.311 χ^2/NDF:39.9/53

Out: 445.365+/-182.301 χ^2/NDF:82.3/56

All: 83.932+/-128.910 χ^2/NDF: 130.1/110



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: 1133.850+/-0.184 χ^2/NDF: 250103.4/32

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

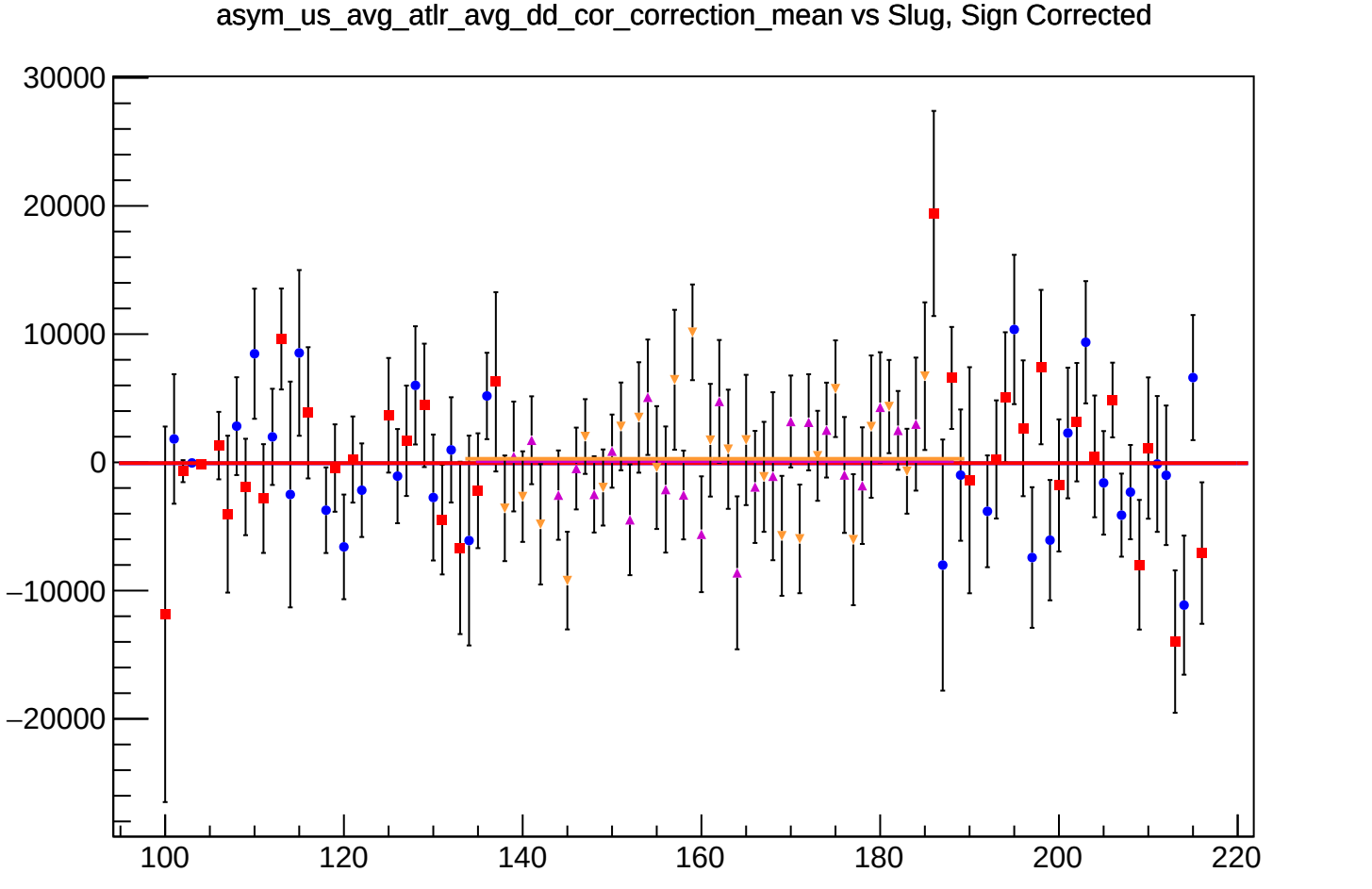
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

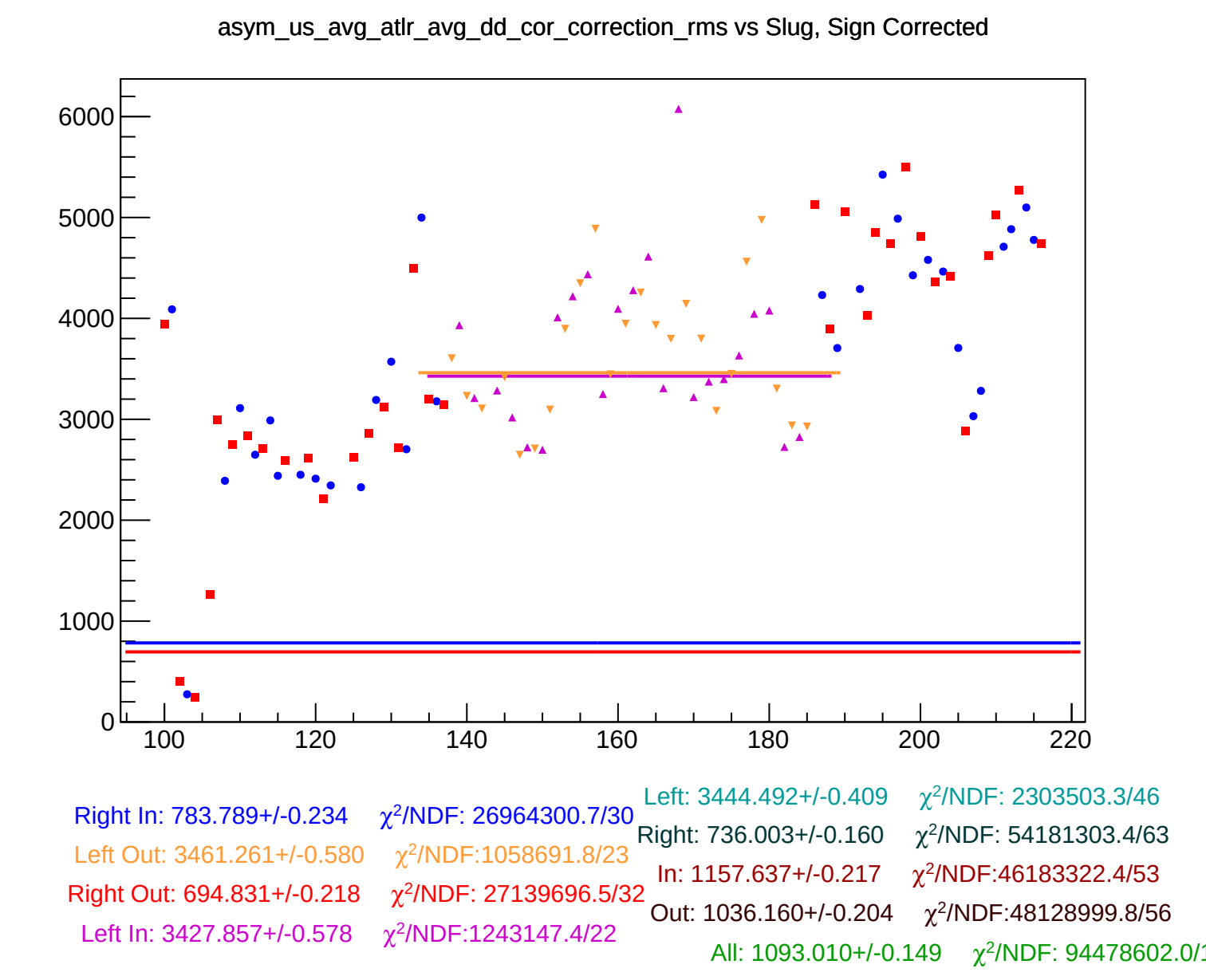
Right: 1129.059+/-0.130 χ^2/NDF: 897629.7/63

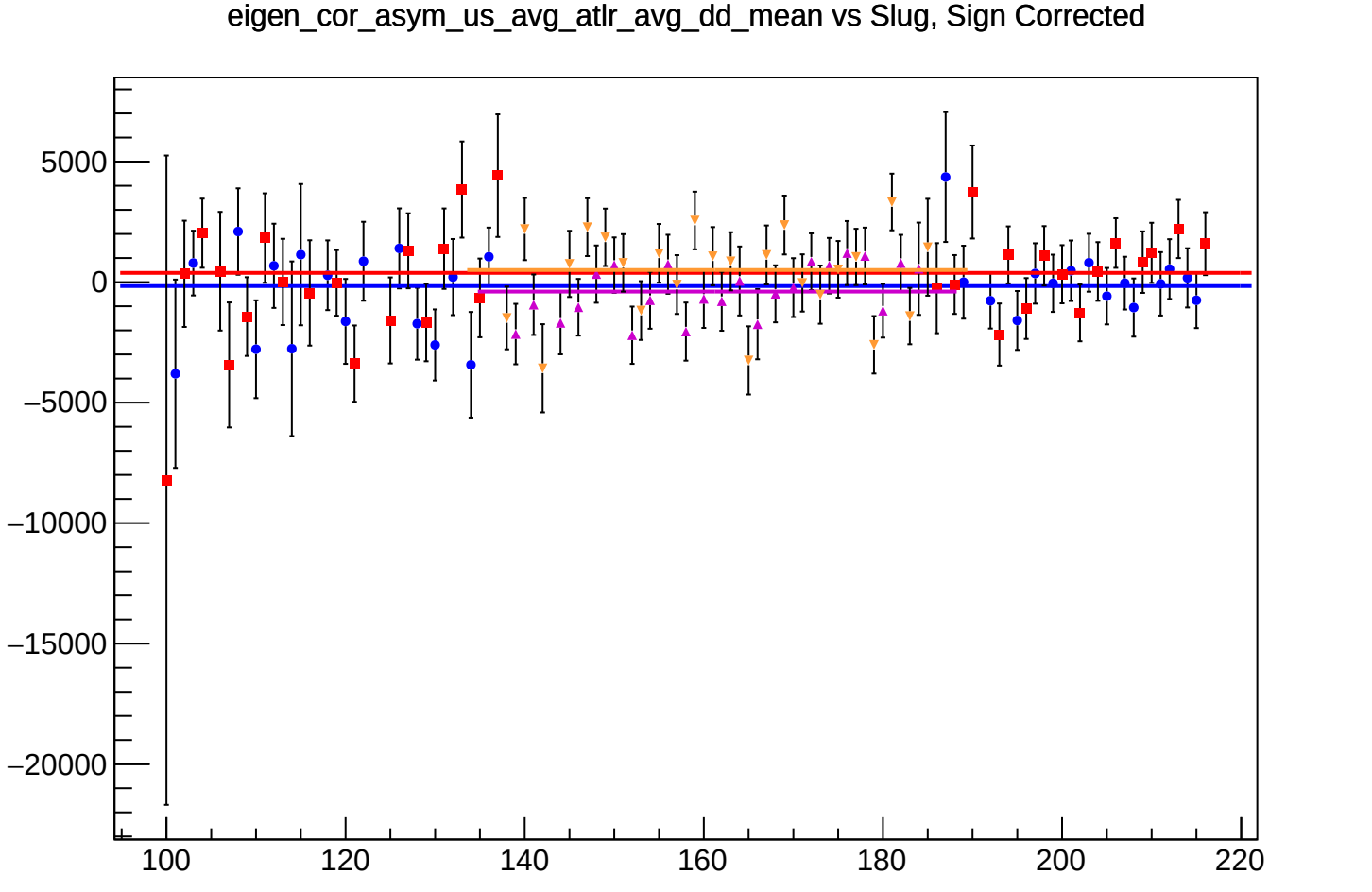
In: 1112.894+/-0.129 χ^2/NDF:706149.2/53

Out: 1116.657+/-0.129 χ^2/NDF:326009.3/56

All: 1114.776+/-0.091 χ^2/NDF: 1032584.6/11


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -72.306+/-331.630 χ²/NDF: 35.3/30
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -59.612+/-307.823 χ²/NDF: 39.5/32
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -65.487+/-225.611 χ²/NDF: 74.8/63
In: -48.687+/-307.292 χ²/NDF:49.0/53
Out: -18.014+/-288.208 χ²/NDF:69.5/56
All: -32.368+/-210.217 χ²/NDF: 118.5/110


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 783.789+/-0.234 χ²/NDF: 26964300.7/30
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 694.831+/-0.218 χ²/NDF: 27139696.5/32
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 736.003+/-0.160 χ²/NDF: 54181303.4/63
In: 1157.637+/-0.217 χ²/NDF:46183322.4/53
Out: 1036.160+/-0.204 χ²/NDF:48128999.8/56
All: 1093.010+/-0.149 χ²/NDF: 94478602.0/1



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: 384.921+/-260.157 χ^2/NDF: 37.6/32

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

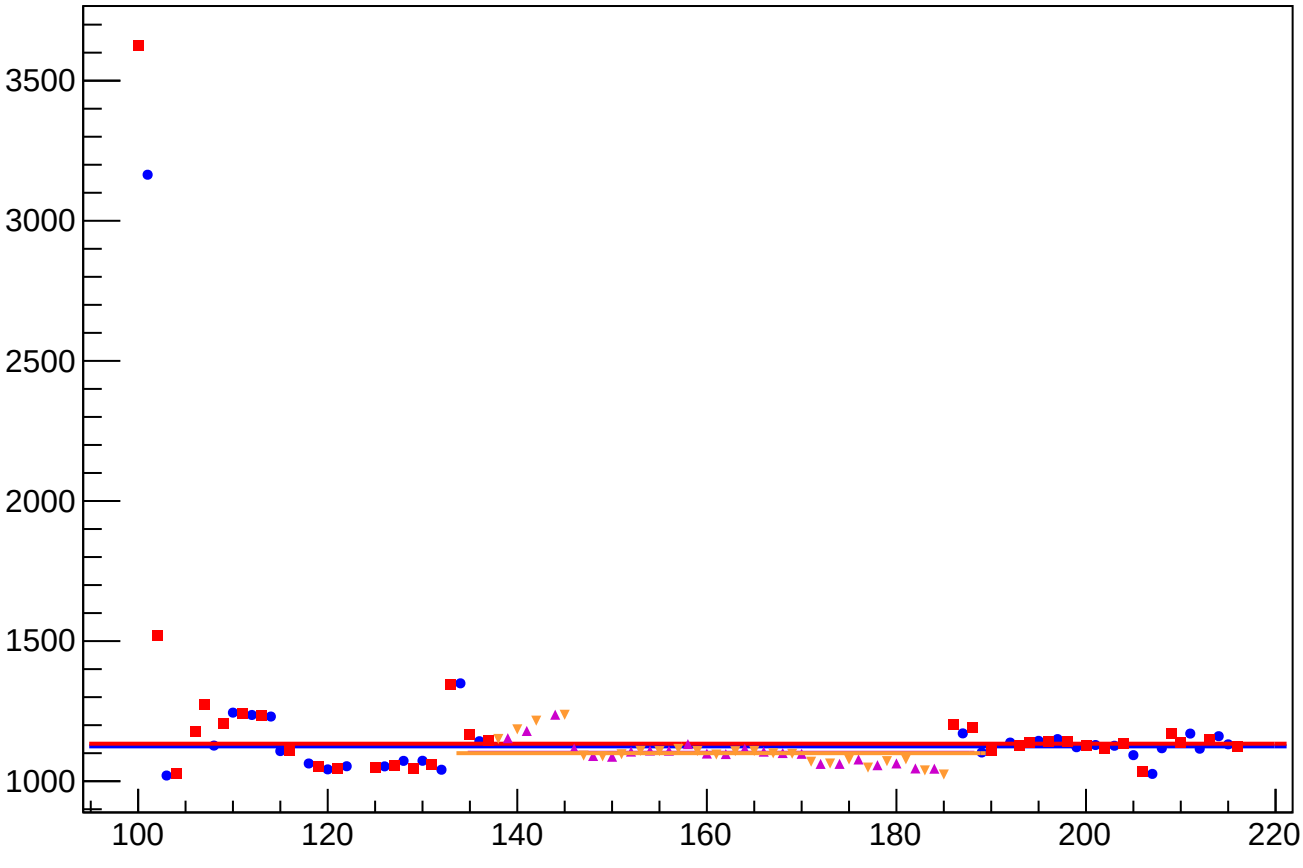
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 109.164+/-183.288 χ^2/NDF: 61.6/63

In: -277.541+/-182.311 χ^2/NDF:39.9/53

Out: 445.365+/-182.301 χ^2/NDF:82.3/56

All: 83.932+/-128.910 χ^2/NDF: 130.1/110



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: 1133.850+/-0.184 χ^2/NDF: 250103.4/32

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

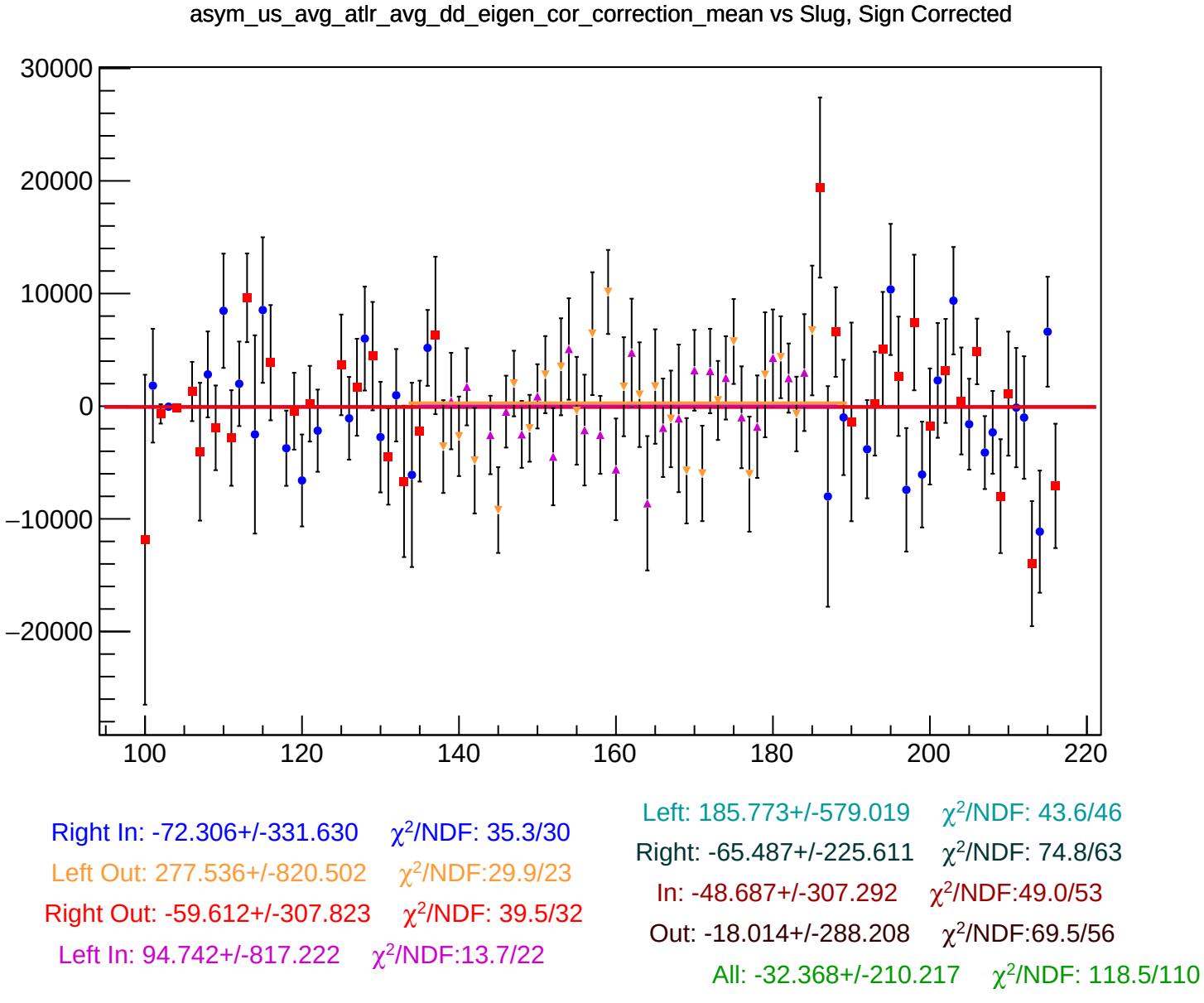
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

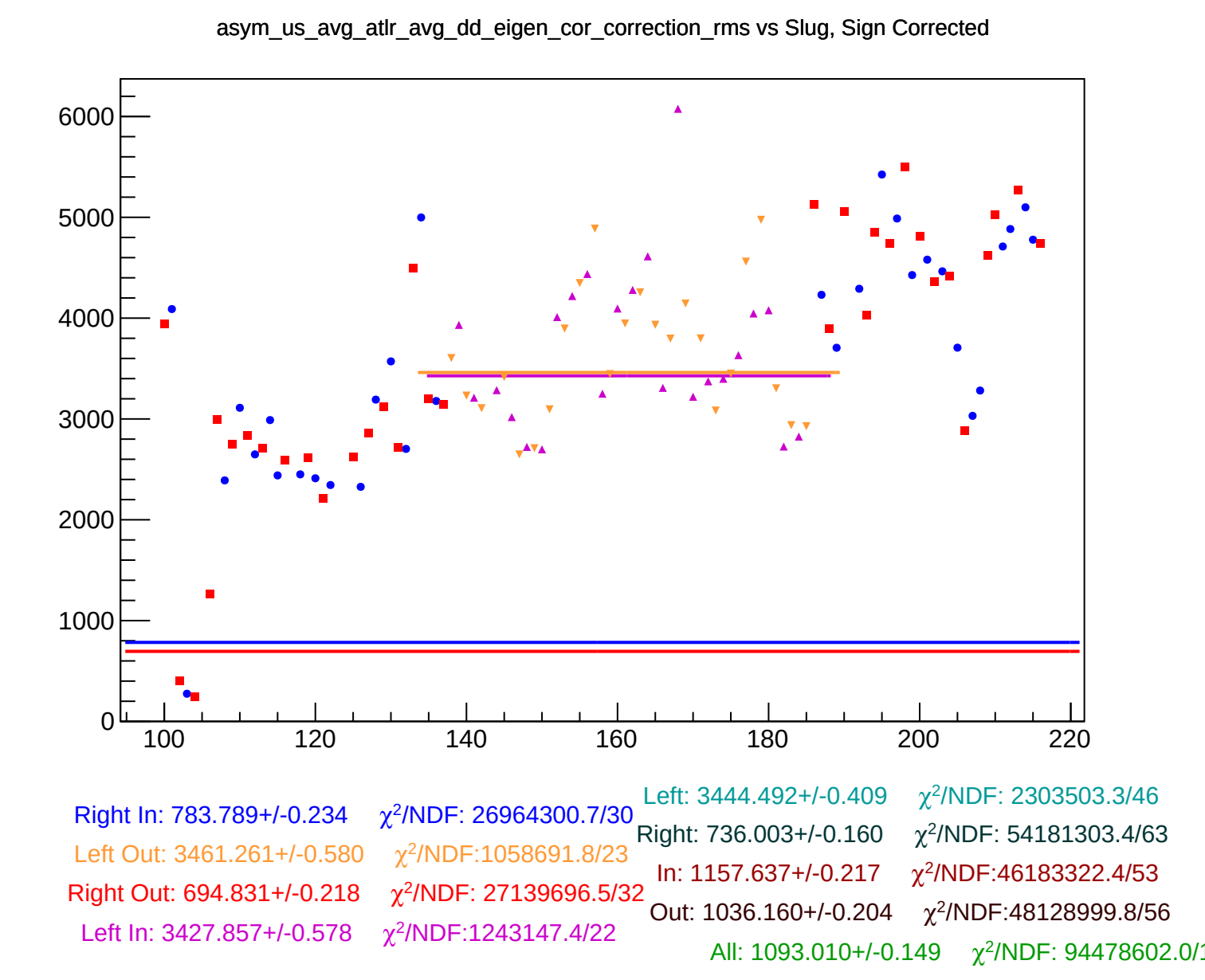
Right: 1129.059+/-0.130 χ^2/NDF: 897629.7/63

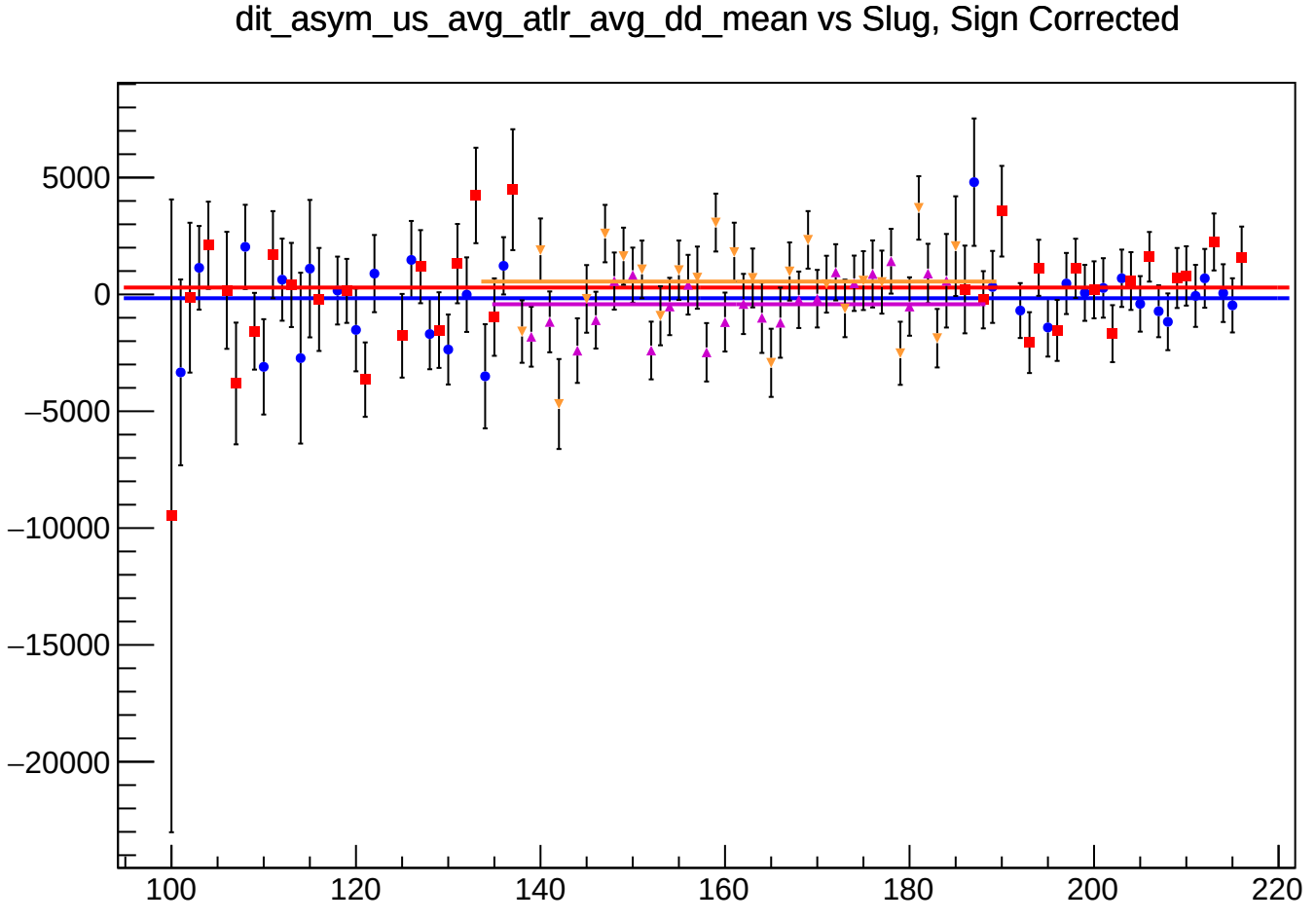
In: 1112.894+/-0.129 χ^2/NDF:706149.2/53

Out: 1116.657+/-0.129 χ^2/NDF:326009.3/56

All: 1114.776+/-0.091 χ^2/NDF: 1032584.6/11


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: -72.306+/-331.630 χ²/NDF: 35.3/30
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -59.612+/-307.823 χ²/NDF: 39.5/32
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -65.487+/-225.611 χ²/NDF: 74.8/63
In: -48.687+/-307.292 χ²/NDF:49.0/53
Out: -18.014+/-288.208 χ²/NDF:69.5/56
All: -32.368+/-210.217 χ²/NDF: 118.5/110


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 783.789+/-0.234 χ²/NDF: 26964300.7/30
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 694.831+/-0.218 χ²/NDF: 27139696.5/32
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 736.003+/-0.160 χ²/NDF: 54181303.4/63
In: 1157.637+/-0.217 χ²/NDF:46183322.4/53
Out: 1036.160+/-0.204 χ²/NDF:48128999.8/56
All: 1093.010+/-0.149 χ²/NDF: 94478602.0/1



Right In: -163.243+/-263.671 χ^2/NDF: 21.4/30

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 294.585+/-266.526 χ^2/NDF: 39.4/32

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

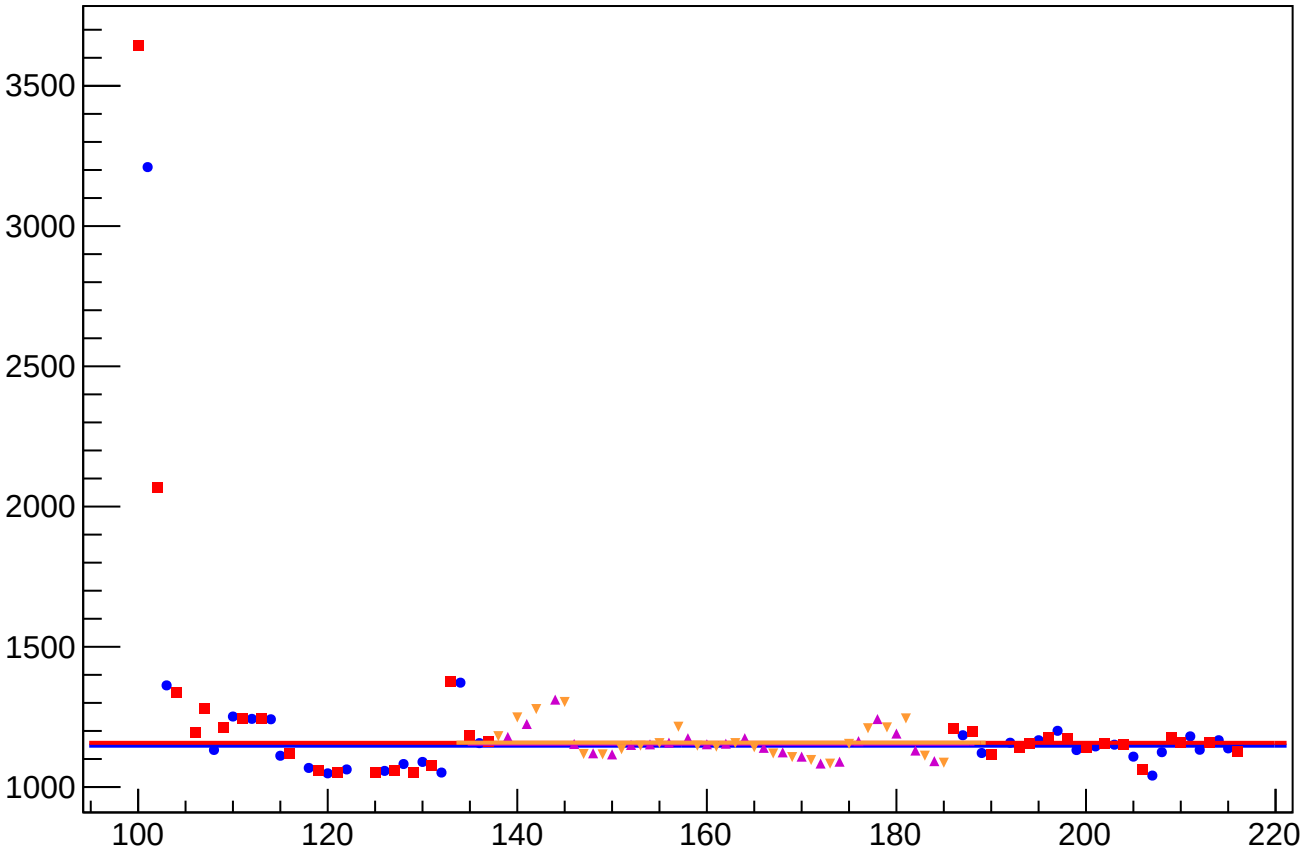
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: 63.206+/-187.445 χ^2/NDF: 62.3/63

In: -289.165+/-188.578 χ^2/NDF:39.8/53

Out: 421.342+/-189.403 χ^2/NDF:85.1/56

All: 64.539+/-133.636 χ^2/NDF: 132.0/110



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: 1157.667+/-0.188 χ^2/NDF: 357094.6/32

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

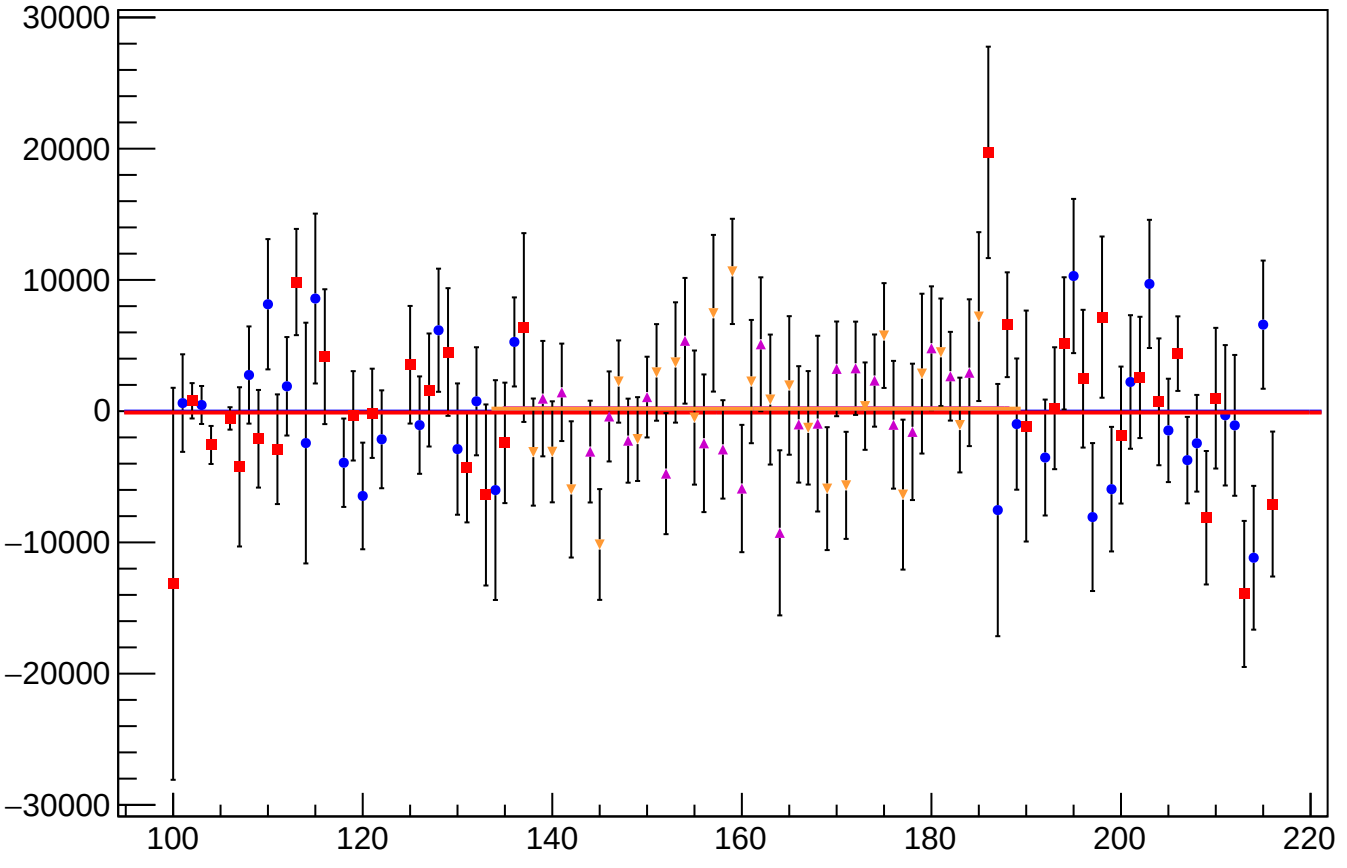
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1152.474+/-0.133 χ^2/NDF: 1025098.4/63

In: 1150.731+/-0.133 χ^2/NDF:733634.9/53

Out: 1157.920+/-0.134 χ^2/NDF:441210.0/56

All: 1154.310+/-0.094 χ^2/NDF: 1176291.9/11



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: -103.696+/-516.299 χ^2/NDF: 41.8/32

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

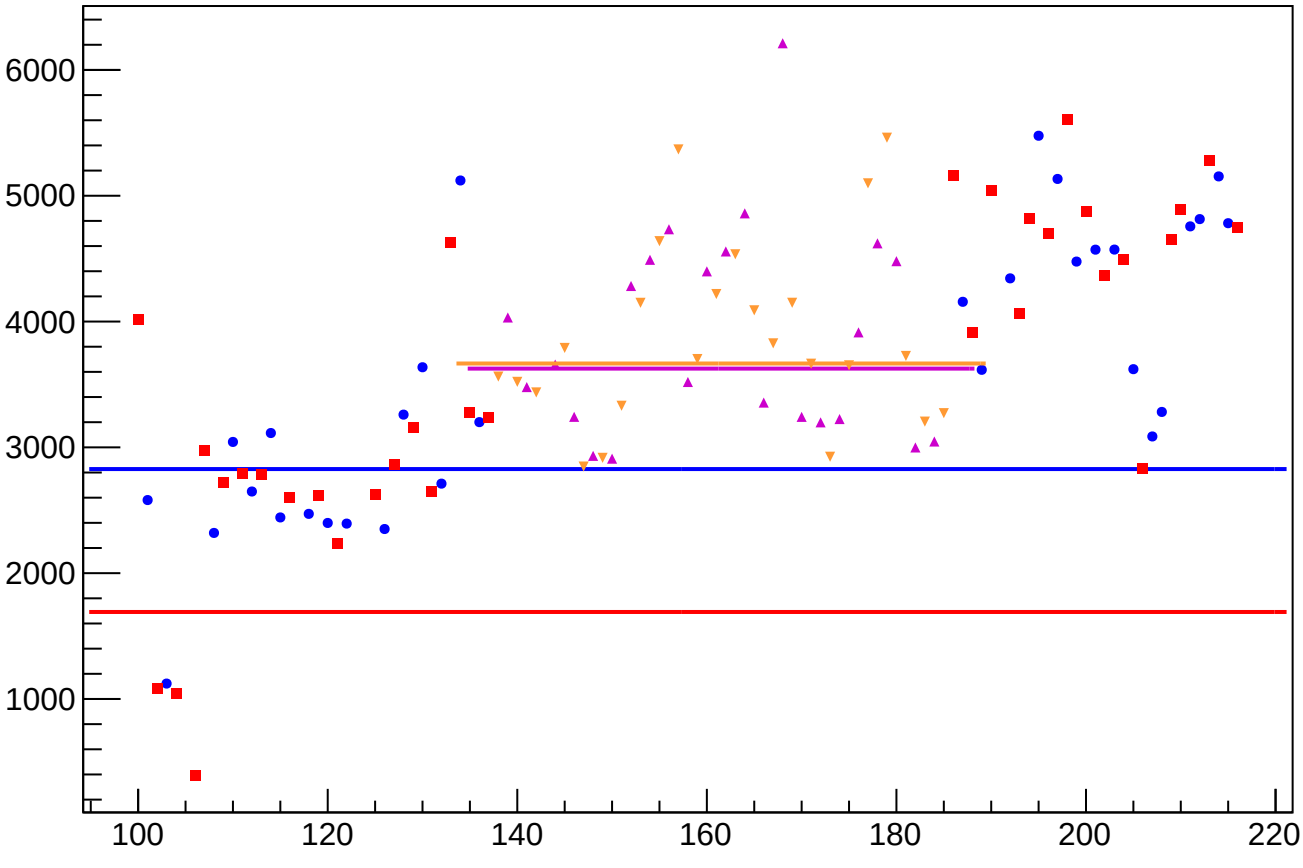
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

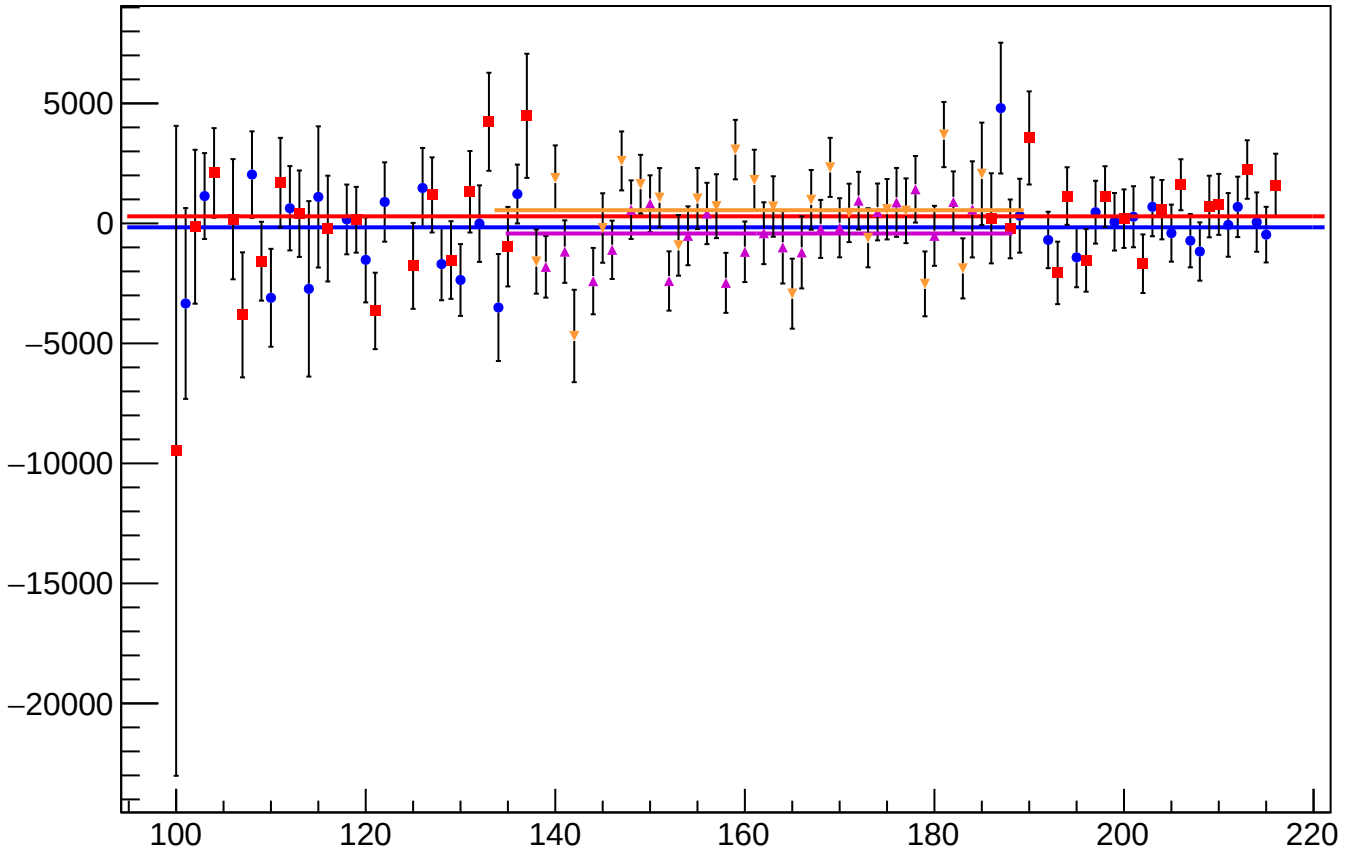
Right: -80.083+/-418.016 χ^2/NDF: 76.6/63

In: 68.520+/-549.763 χ^2/NDF:48.2/53

Out: -27.197+/-443.926 χ^2/NDF:71.2/56

All: 10.581+/-345.383 χ^2/NDF: 119.4/110


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: 1691.546+/-0.365 χ²/NDF: 16792277.2/32
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 2082.877+/-0.296 χ²/NDF: 26451965.7/63
In: 3150.210+/-0.389 χ²/NDF:8598045.0/53
Out: 2206.436+/-0.314 χ²/NDF:25517782.0/56
All: 2578.930+/-0.244 χ²/NDF: 37683596.4/



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: 294.586+/-266.526 χ^2/NDF: 39.4/32

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

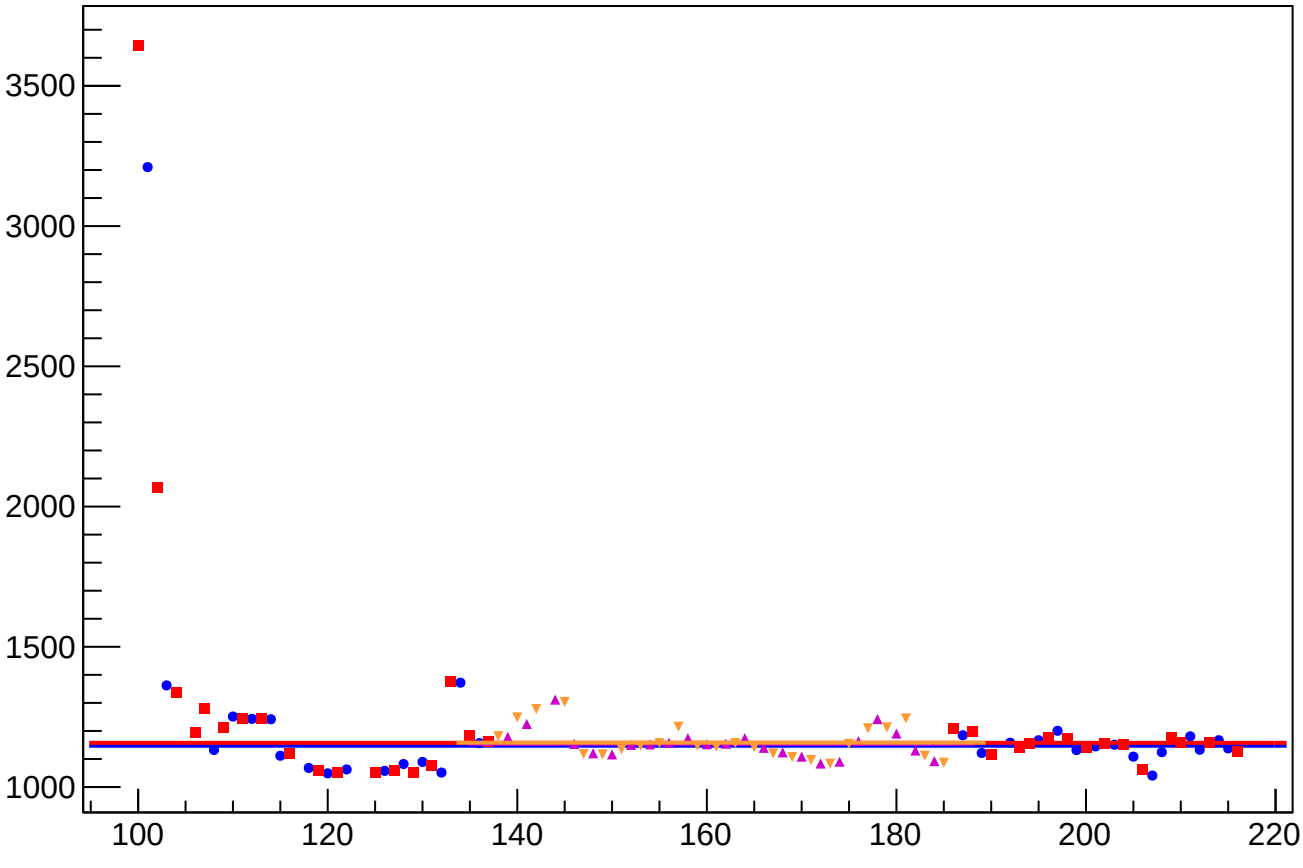
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: 63.208+/-187.445 χ^2/NDF: 62.3/63

In: -289.163+/-188.578 χ^2/NDF:39.8/53

Out: 421.343+/-189.403 χ^2/NDF:85.1/56

All: 64.541+/-133.636 χ^2/NDF: 132.0/110



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: 1157.667+/-0.188 χ^2/NDF: 357094.4/32

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

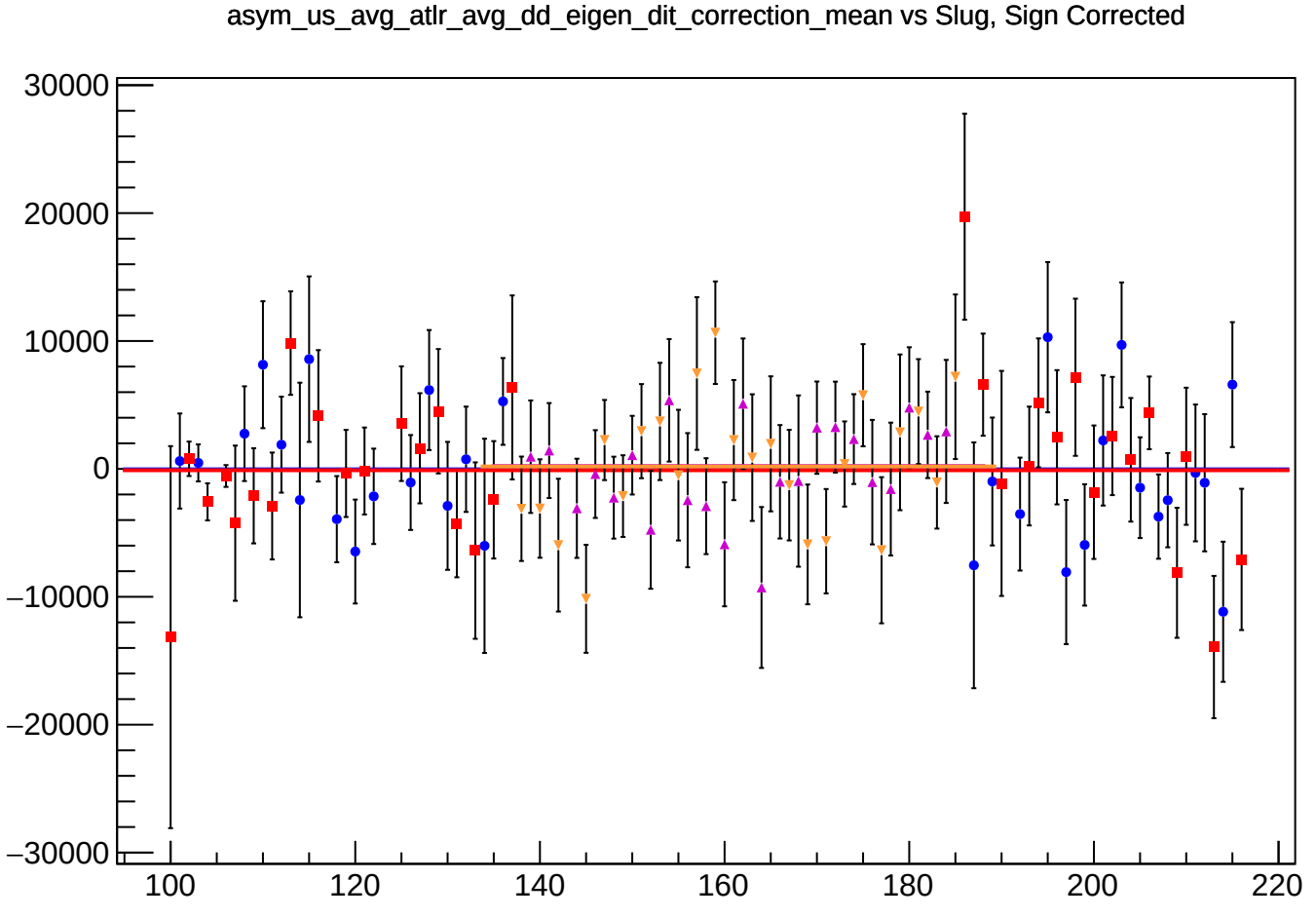
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1152.473+/-0.133 χ^2/NDF: 1025098.6/63

In: 1150.731+/-0.133 χ^2/NDF:733638.1/53

Out: 1157.920+/-0.134 χ^2/NDF:441212.3/56

All: 1154.310+/-0.094 χ^2/NDF: 1176297.4/11



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: -103.703+/-516.294 χ^2/NDF: 41.8/32

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

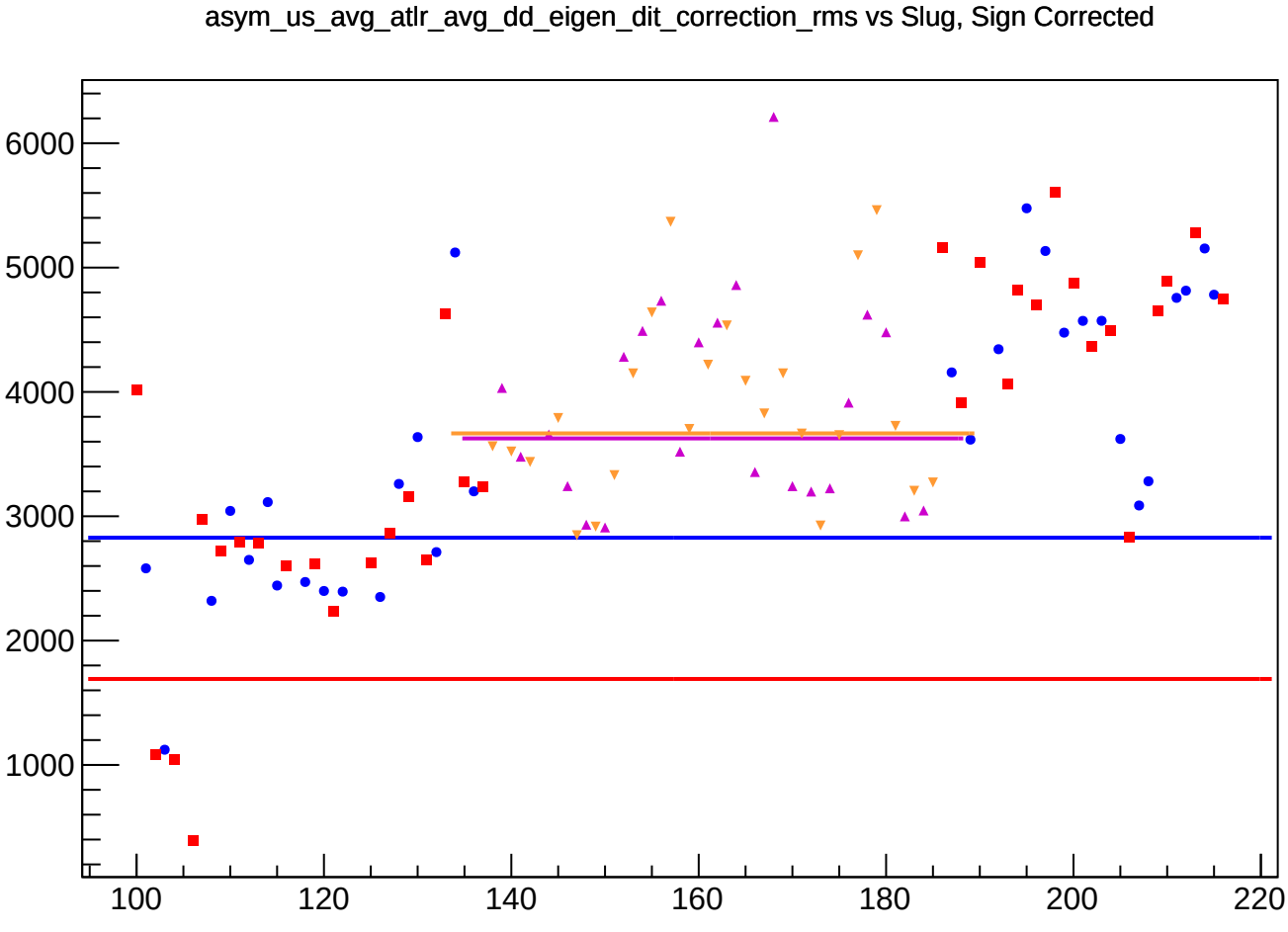
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

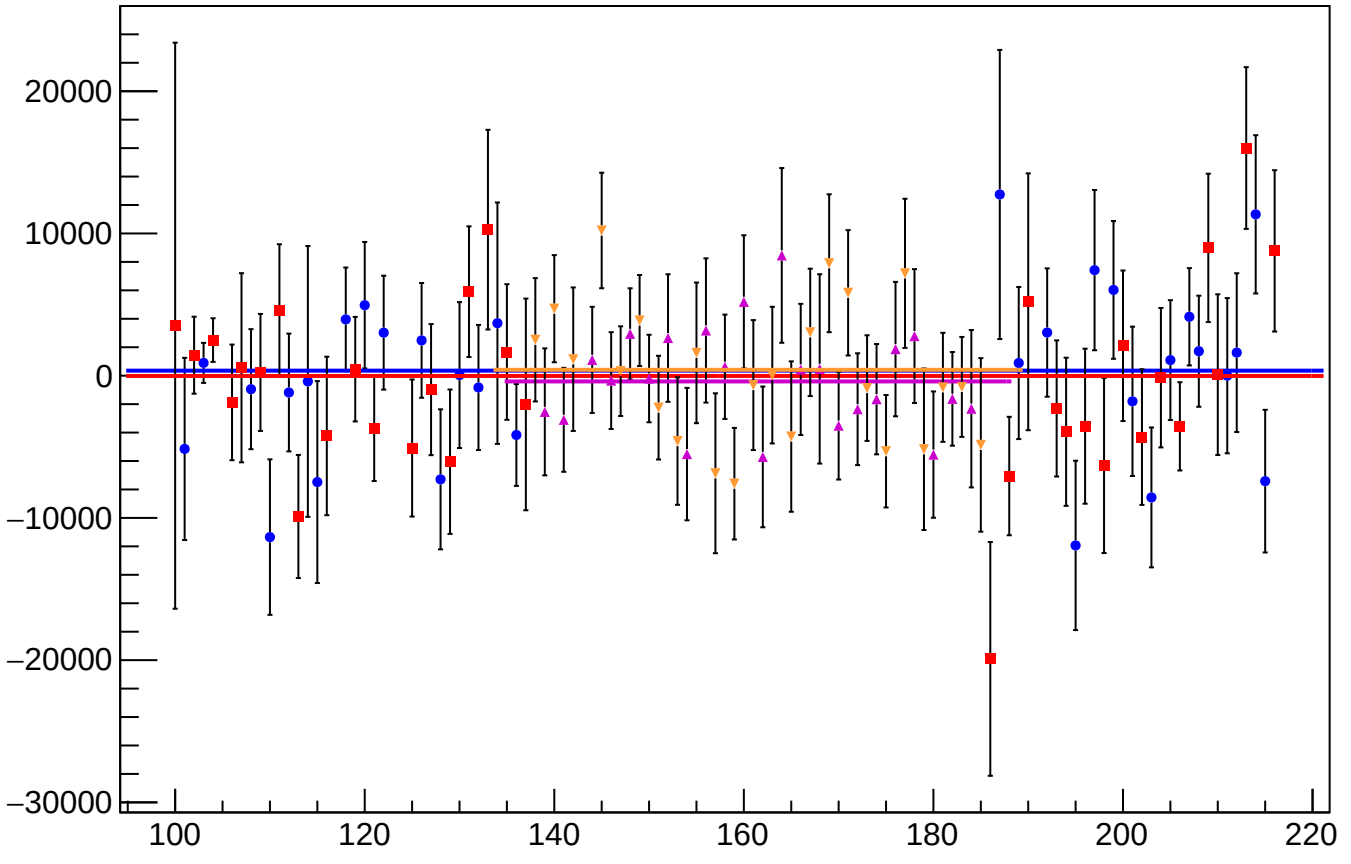
Right: -80.088+/-418.013 χ^2/NDF: 76.6/63

In: 68.519+/-549.763 χ^2/NDF:48.2/53

Out: -27.204+/-443.923 χ^2/NDF:71.2/56

All: 10.576+/-345.382 χ^2/NDF: 119.4/110


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2827.530+/-0.504 χ²/NDF: 6324345.0/30
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1691.516+/-0.365 χ²/NDF: 16792611.0/32
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 2082.852+/-0.296 χ²/NDF: 26452513.3/63
In: 3150.210+/-0.389 χ²/NDF:8598096.6/53
Out: 2206.406+/-0.314 χ²/NDF:25518412.6/56
All: 2578.909+/-0.244 χ²/NDF: 37684515.6/



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: -18.366+/-740.394 χ^2/NDF: 44.5/32

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

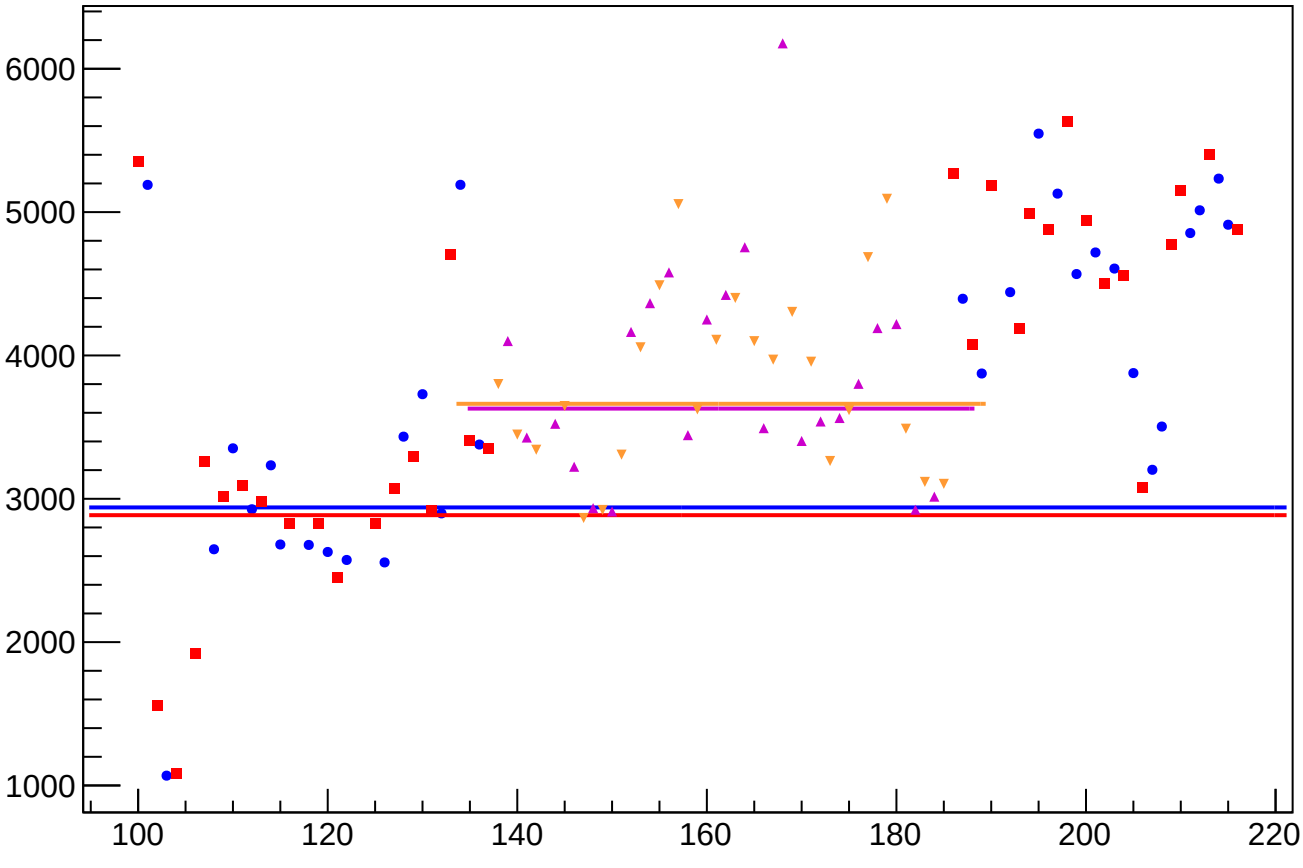
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 166.749+/-525.397 χ^2/NDF: 78.8/63

In: 30.237+/-564.074 χ^2/NDF:46.9/53

Out: 164.164+/-562.572 χ^2/NDF:71.8/56

All: 97.379+/-398.329 χ^2/NDF: 118.8/110



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: 2885.683+/-0.523 χ^2/NDF: 7221519.5/32

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

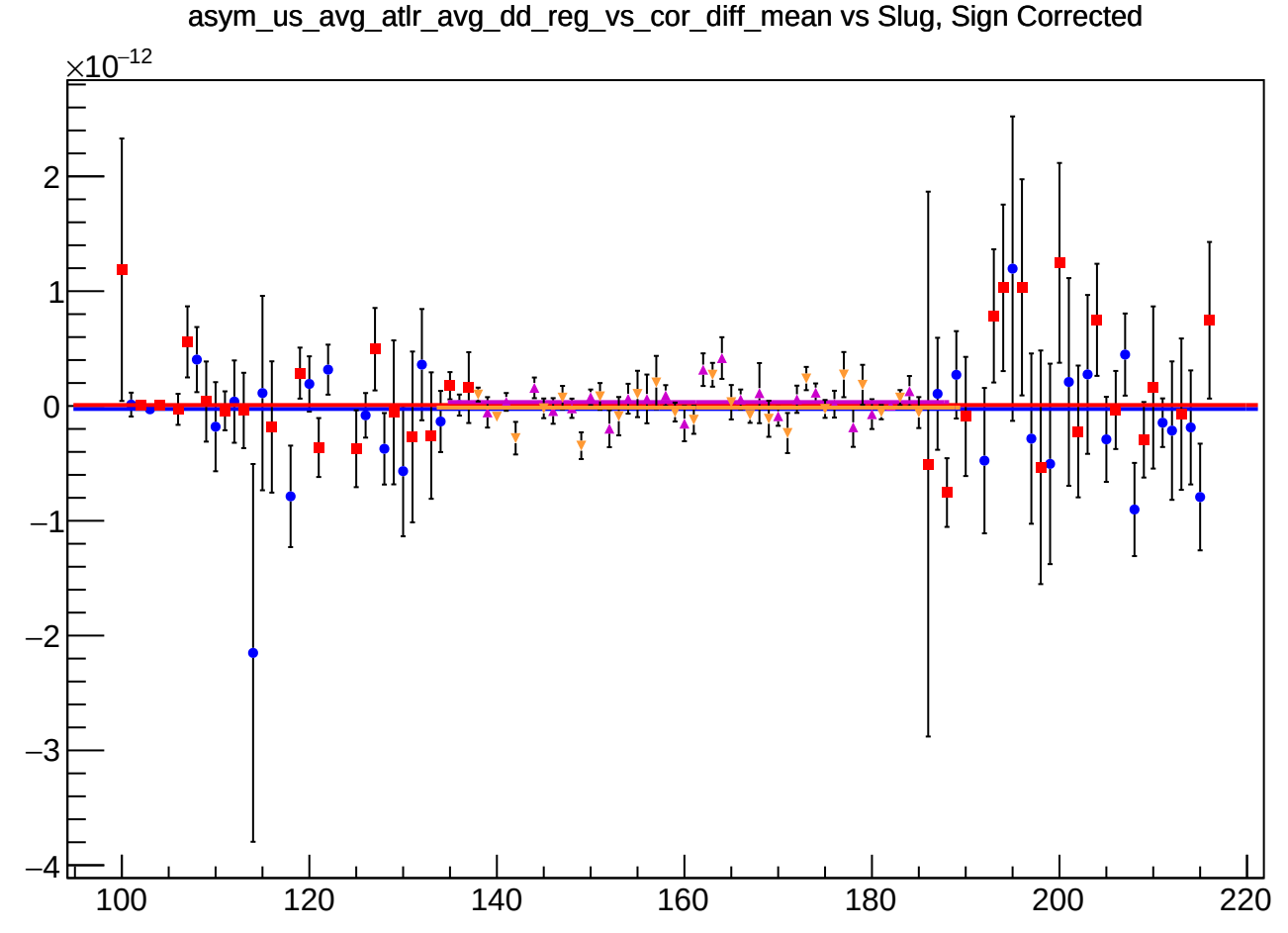
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2912.471+/-0.371 χ^2/NDF: 14340914.1/63

In: 3234.663+/-0.399 χ^2/NDF:8900434.1/53

Out: 3213.462+/-0.397 χ^2/NDF:9047197.1/56

All: 3224.024+/-0.282 χ^2/NDF: 17949048.9/1



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: 32.4/32

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

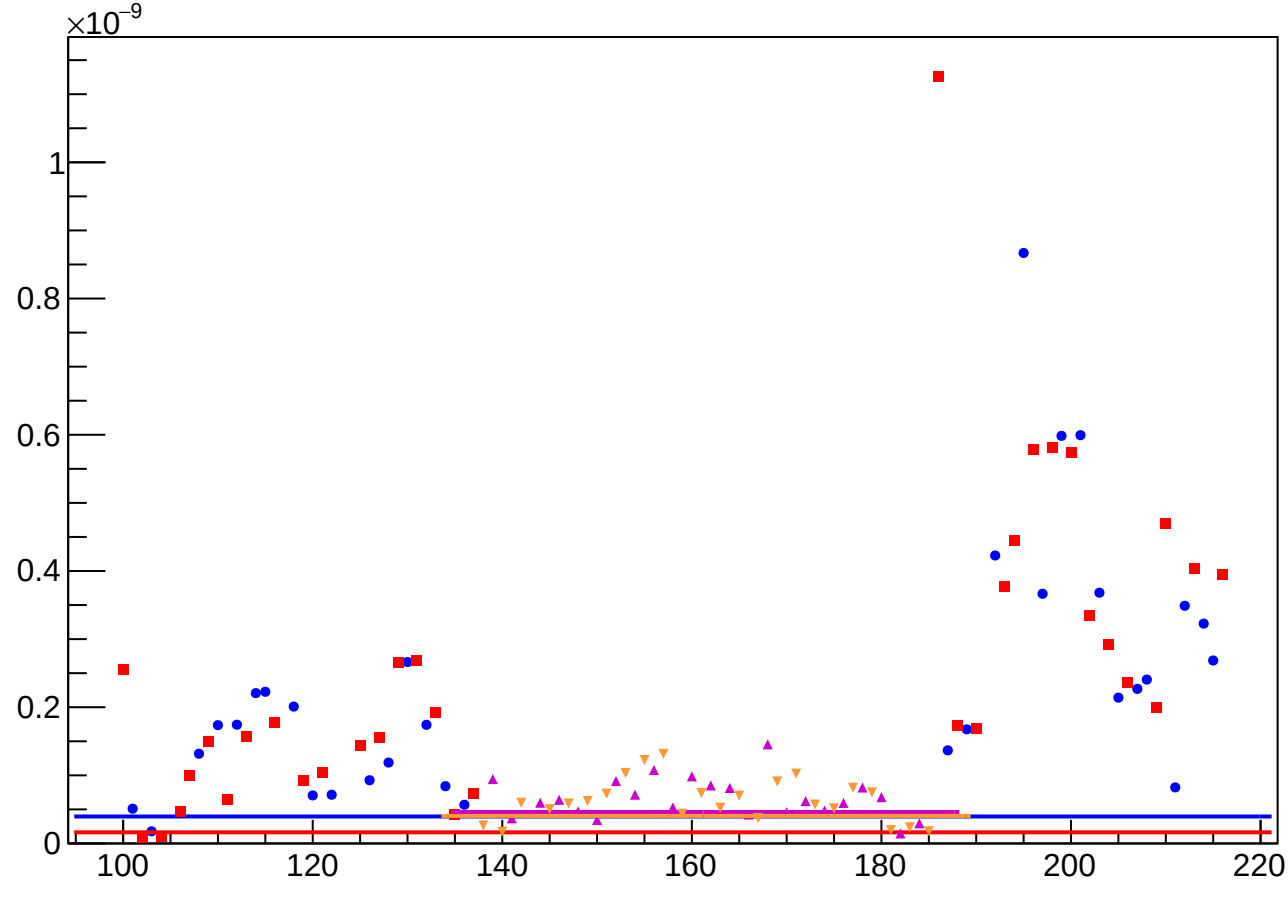
Right: -0.000+/-0.000 χ^2/NDF: 60.5/63

In: 0.000+/-0.000 χ^2/NDF:53.0/53

Out: -0.000+/-0.000 χ^2/NDF:78.6/56

All: 0.000+/-0.000 χ^2/NDF: 131.9/110

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: 13371905.8/32

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

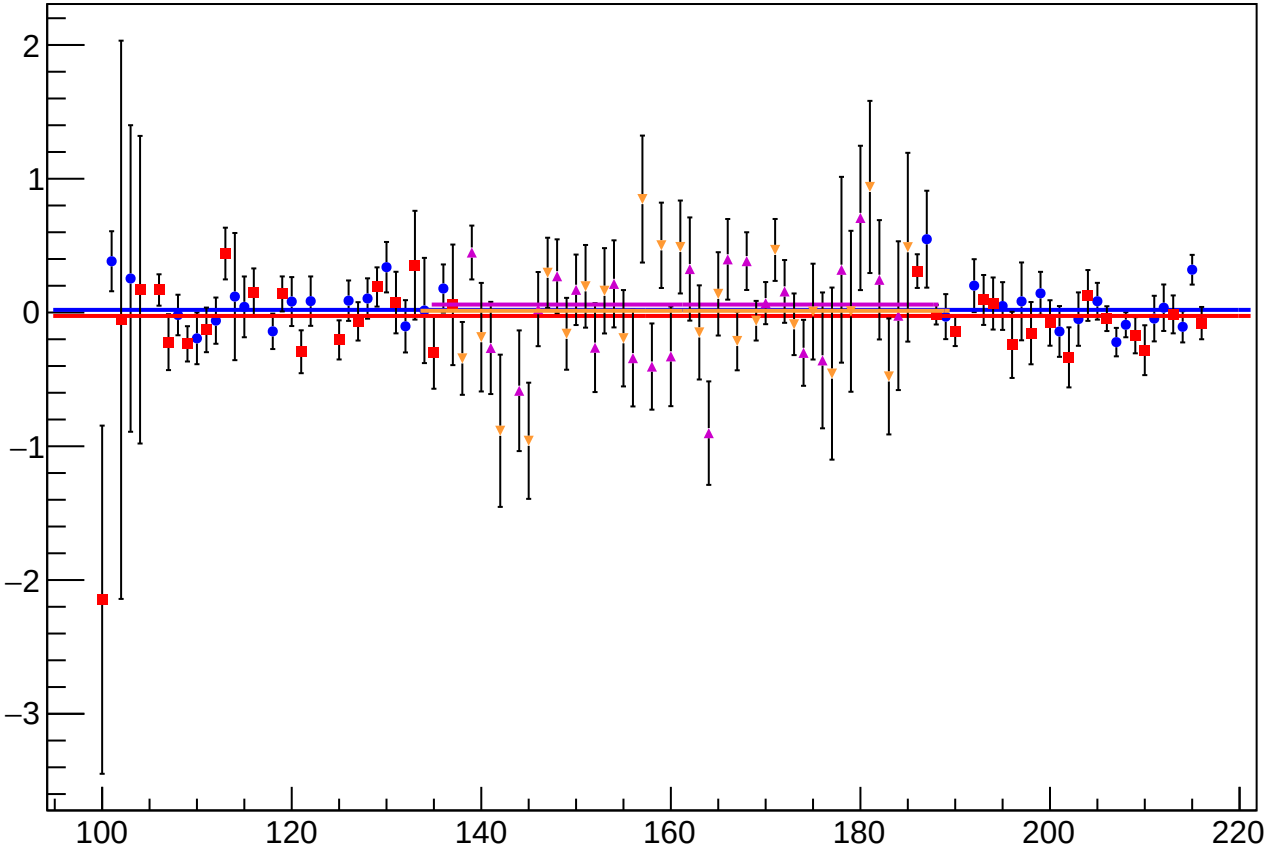
Right: 0.000+/-0.000 χ^2/NDF: 25362164.5/63

In: 0.000+/-0.000 χ^2/NDF:13739719.2/53

Out: 0.000+/-0.000 χ^2/NDF:18855577.5/56

All: 0.000+/-0.000 χ^2/NDF: 34283973.5/110

asym_us_avg_atlr_avg_dd_dit_vs_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: -0.026+/-0.027 χ^2/NDF: 42.0/32

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

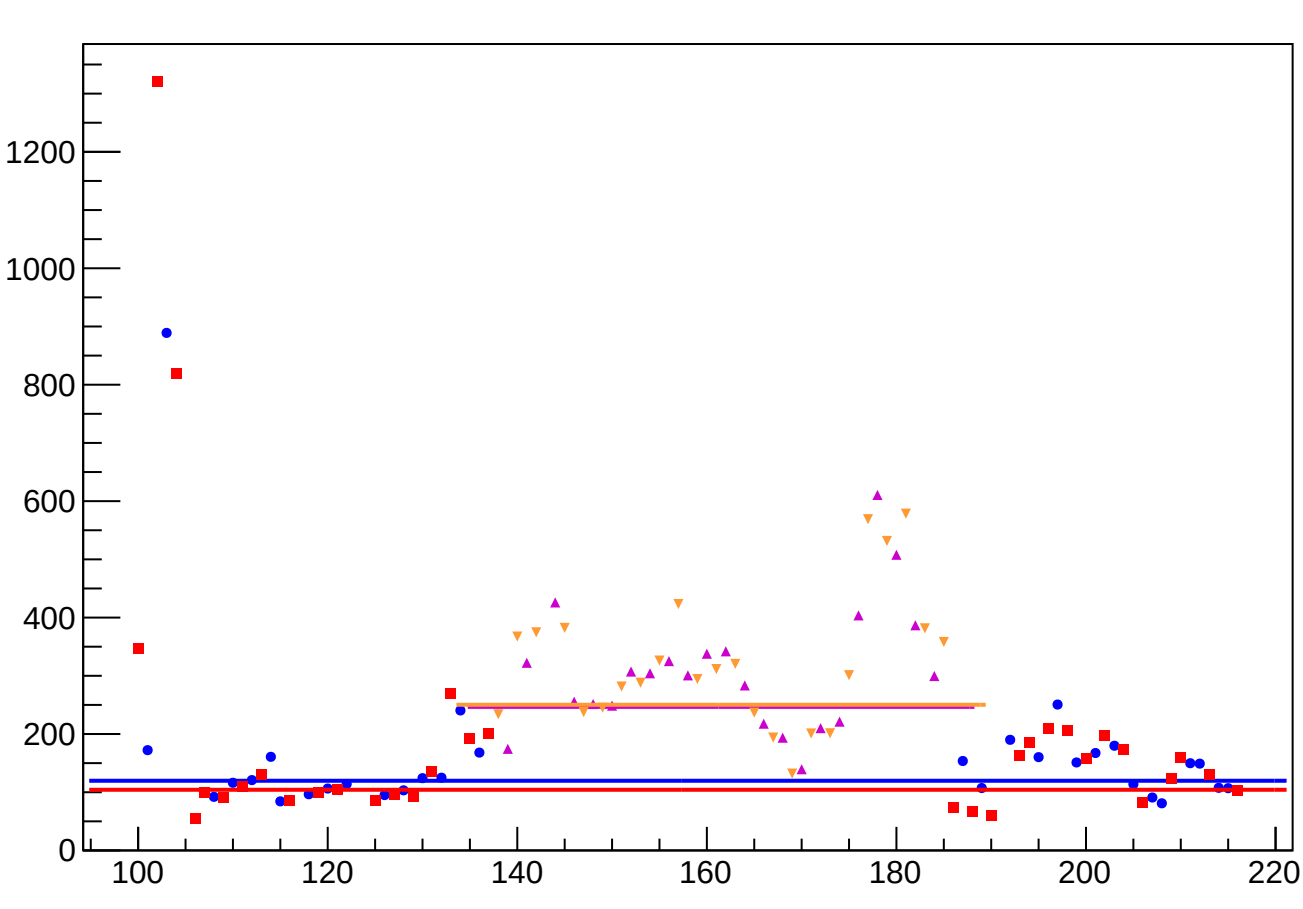
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.005+/-0.020 χ^2/NDF: 73.7/63

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.020+/-0.025 χ^2/NDF:71.7/56

All: 0.002+/-0.018 χ^2/NDF: 132.0/110



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: 104.229+/-0.019 χ^2/NDF: 6123765.6/32

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

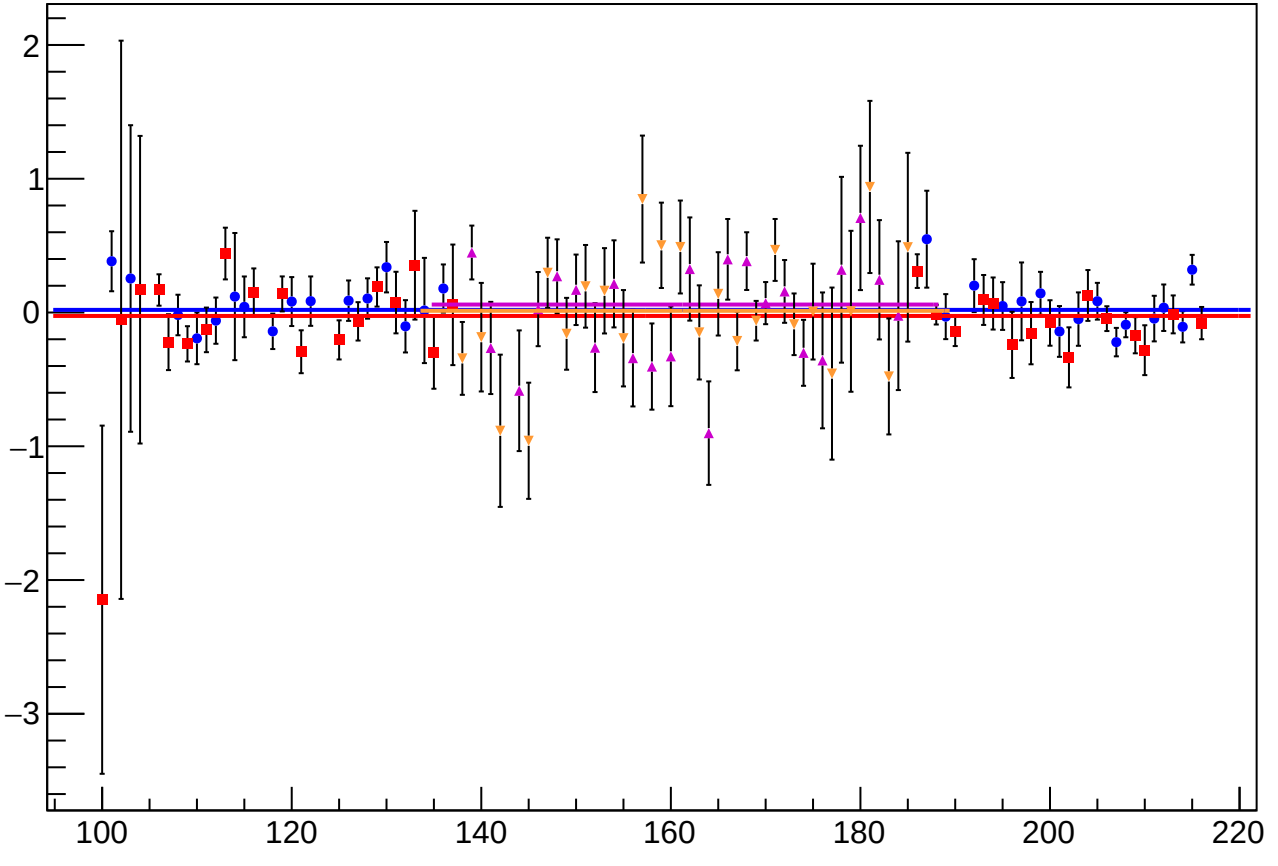
Right: 111.272+/-0.014 χ^2/NDF: 9881161.6/63

In: 143.551+/-0.019 χ^2/NDF:14039938.2/53

Out: 127.194+/-0.018 χ^2/NDF:19528736.9/56

All: 134.779+/-0.013 χ^2/NDF: 33966088.5/11

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: -0.026+/-0.027 χ^2/NDF: 42.0/32

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

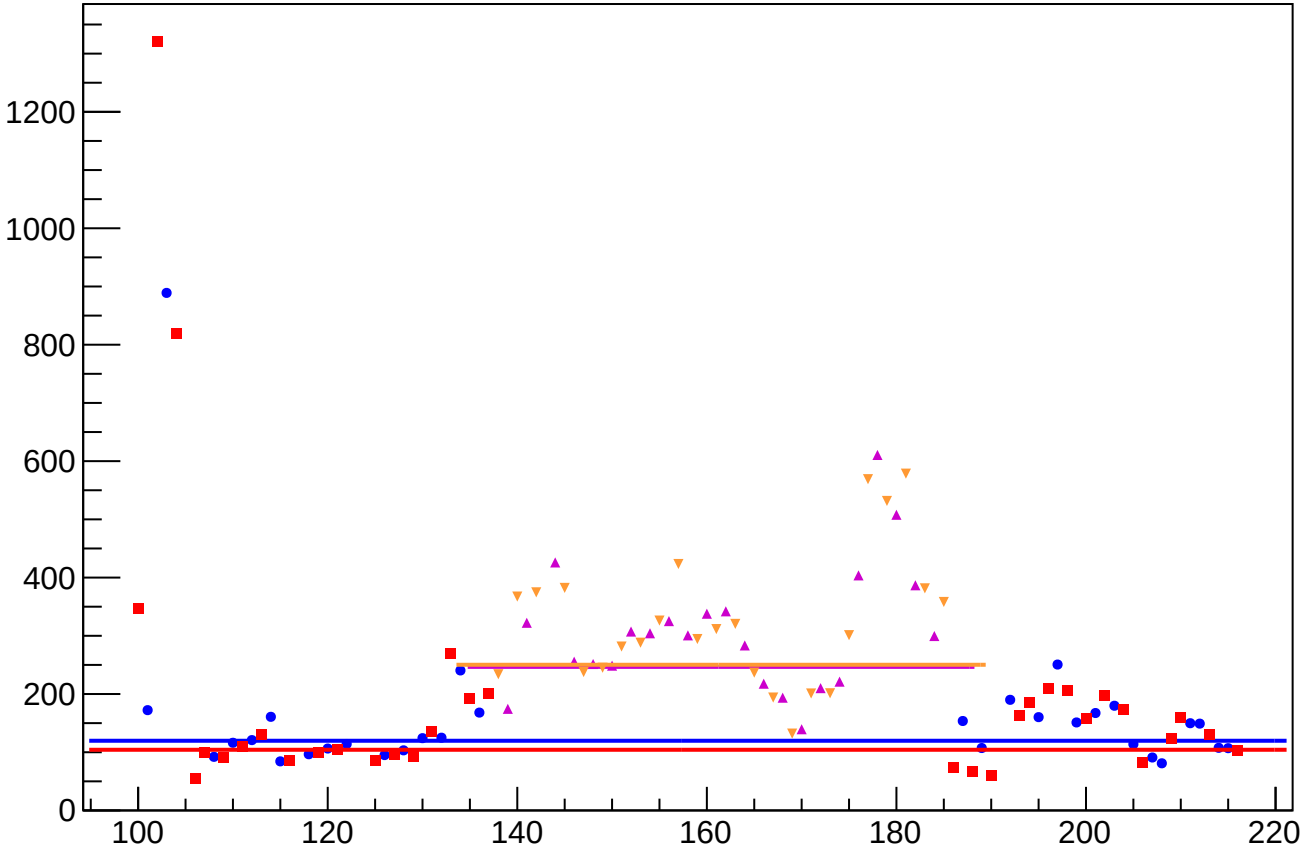
Right: -0.005+/-0.020 χ^2/NDF: 73.7/63

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.020+/-0.025 χ^2/NDF:71.7/56

All: 0.002+/-0.018 χ^2/NDF: 132.0/110

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: 104.229+/-0.019 χ^2/NDF: 6123765.6/32

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

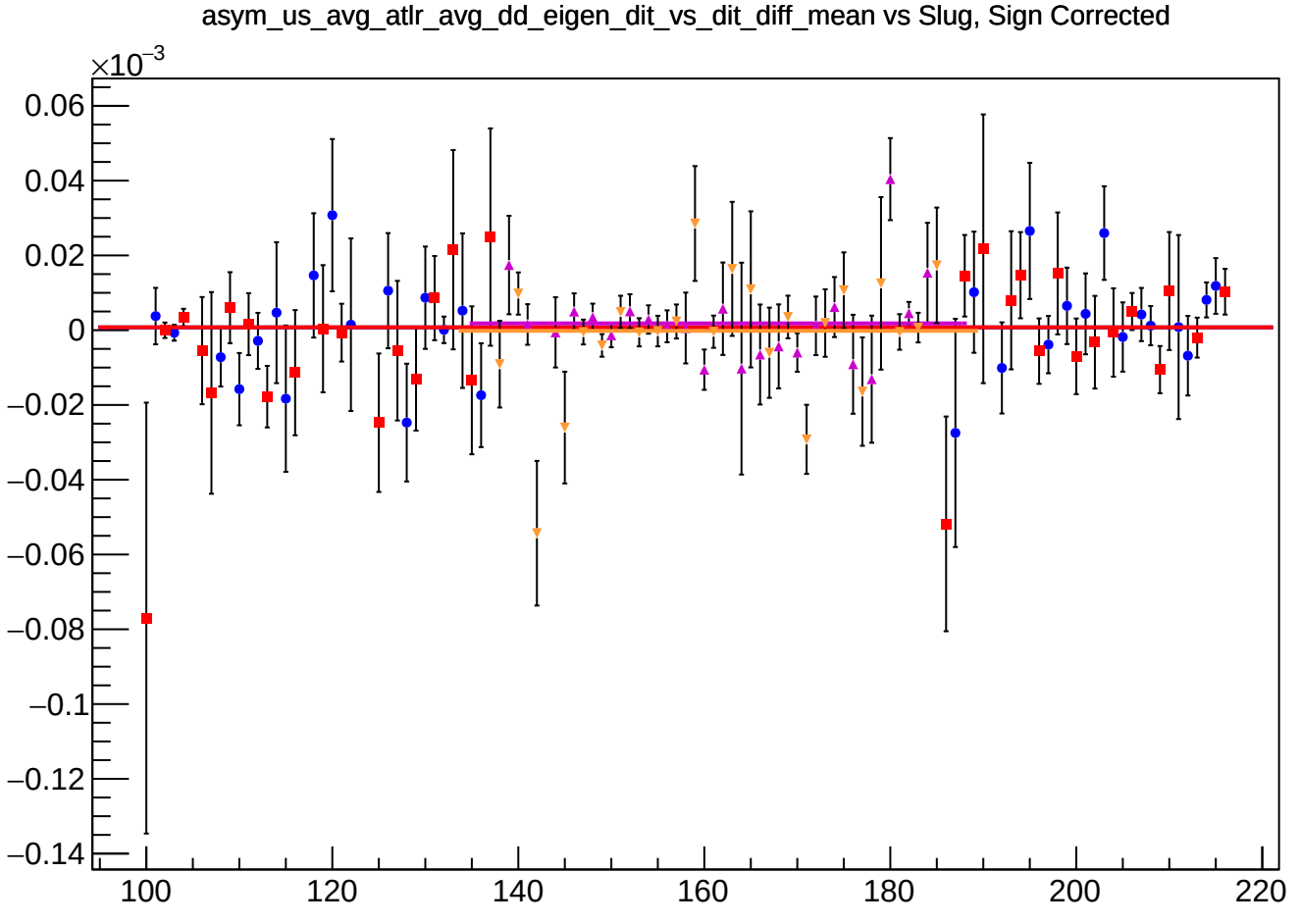
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 111.272+/-0.014 χ^2/NDF: 9881161.6/63

In: 143.551+/-0.019 χ^2/NDF:14039938.2/53

Out: 127.194+/-0.018 χ^2/NDF:19528736.9/56

All: 134.779+/-0.013 χ^2/NDF: 33966088.5/11



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: 31.0/32

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

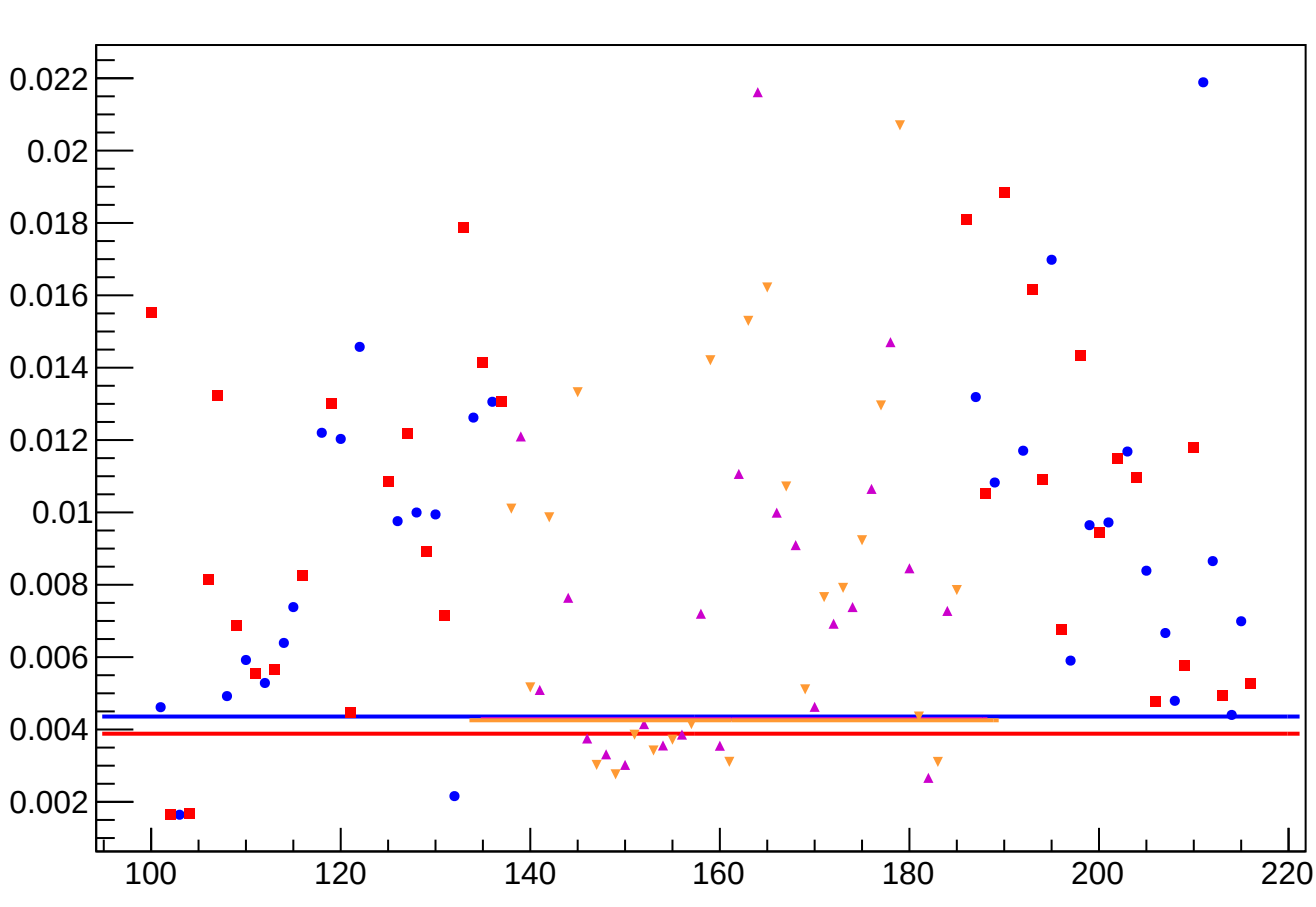
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

Right: 0.000+/-0.000 χ^2/NDF: 59.2/63

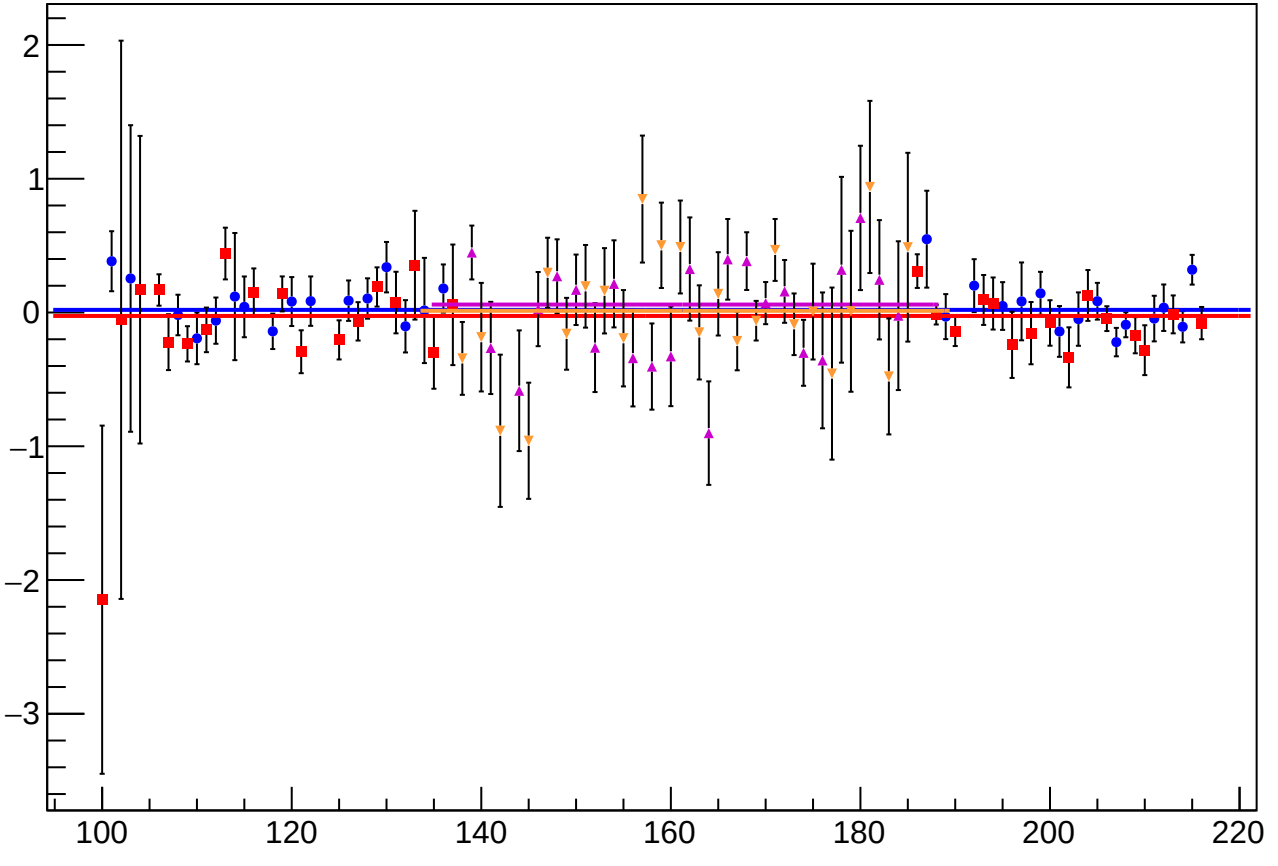
In: 0.000+/-0.000 χ^2/NDF:56.8/53

Out: 0.000+/-0.000 χ^2/NDF:68.5/56

All: 0.000+/-0.000 χ^2/NDF: 126.0/110


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: 15337794.4/32
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: 28938395.1/63
In: 0.004+/-0.000 χ²/NDF:20056566.6/53
Out: 0.004+/-0.000 χ²/NDF:23929069.0/56
All: 0.004+/-0.000 χ²/NDF: 44070199.9/110

asym_us_avg_atlr_avg_dd_eigen_dit_vs_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: -0.026+/-0.027 χ^2/NDF: 42.0/32

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

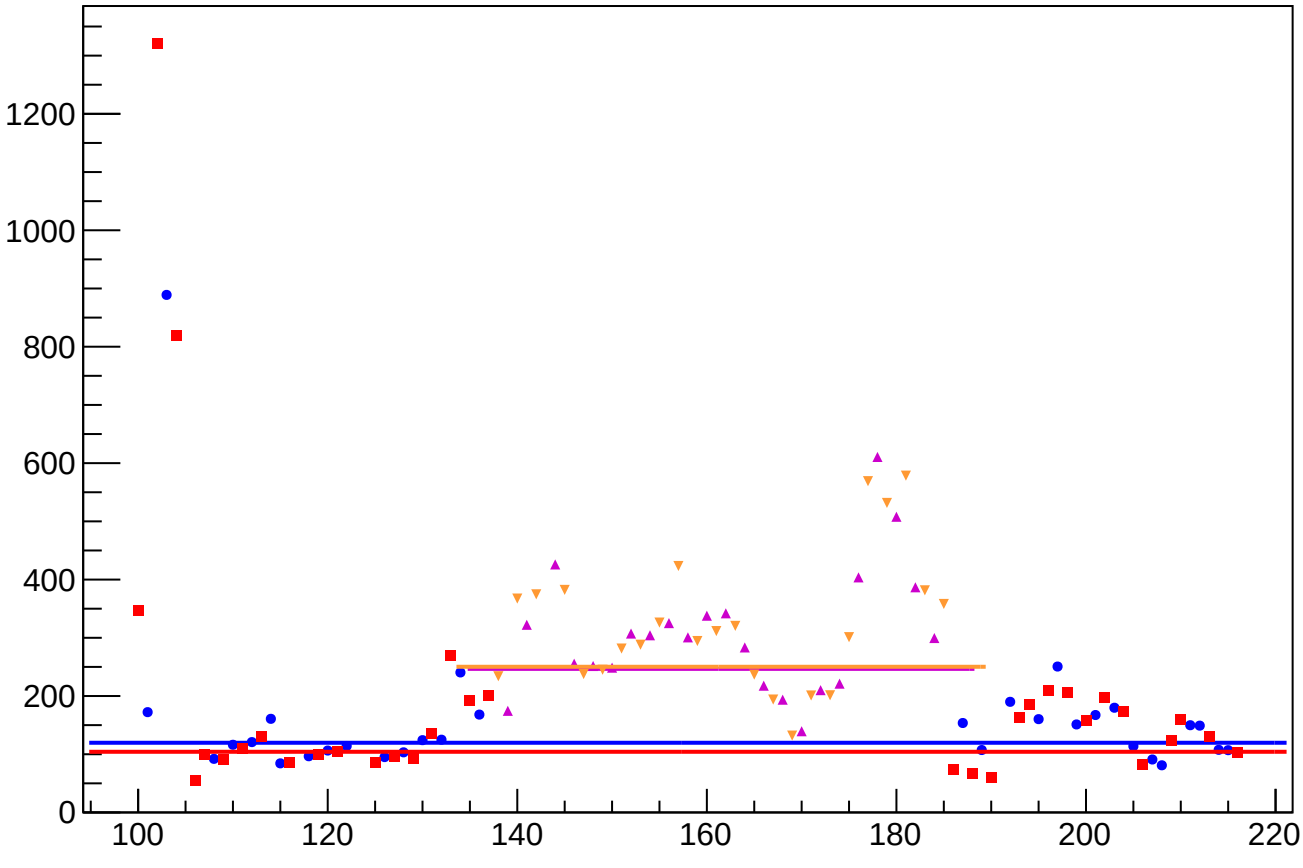
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.005+/-0.020 χ^2/NDF: 73.7/63

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.020+/-0.025 χ^2/NDF:71.7/56

All: 0.002+/-0.018 χ^2/NDF: 132.0/110



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: 104.225+/-0.019 χ^2/NDF: 6124340.5/32

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

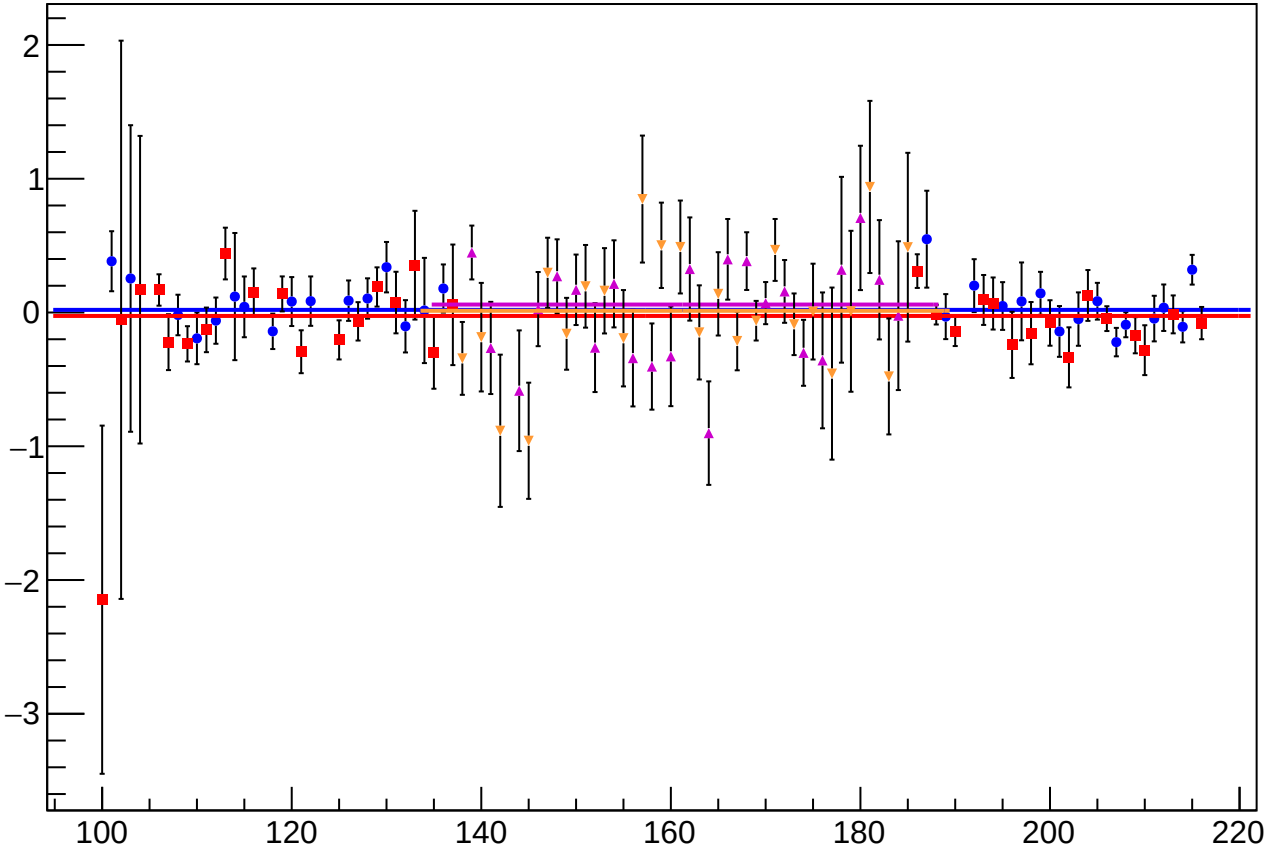
Right: 111.269+/-0.014 χ^2/NDF: 9881933.5/63

In: 143.549+/-0.019 χ^2/NDF:14040332.7/53

Out: 127.190+/-0.018 χ^2/NDF:19530015.8/56

All: 134.776+/-0.013 χ^2/NDF: 33967921.2/11

asym_us_avg_atlr_avg_dd_eigen_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: -0.026+/-0.027 χ^2/NDF: 42.0/32

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

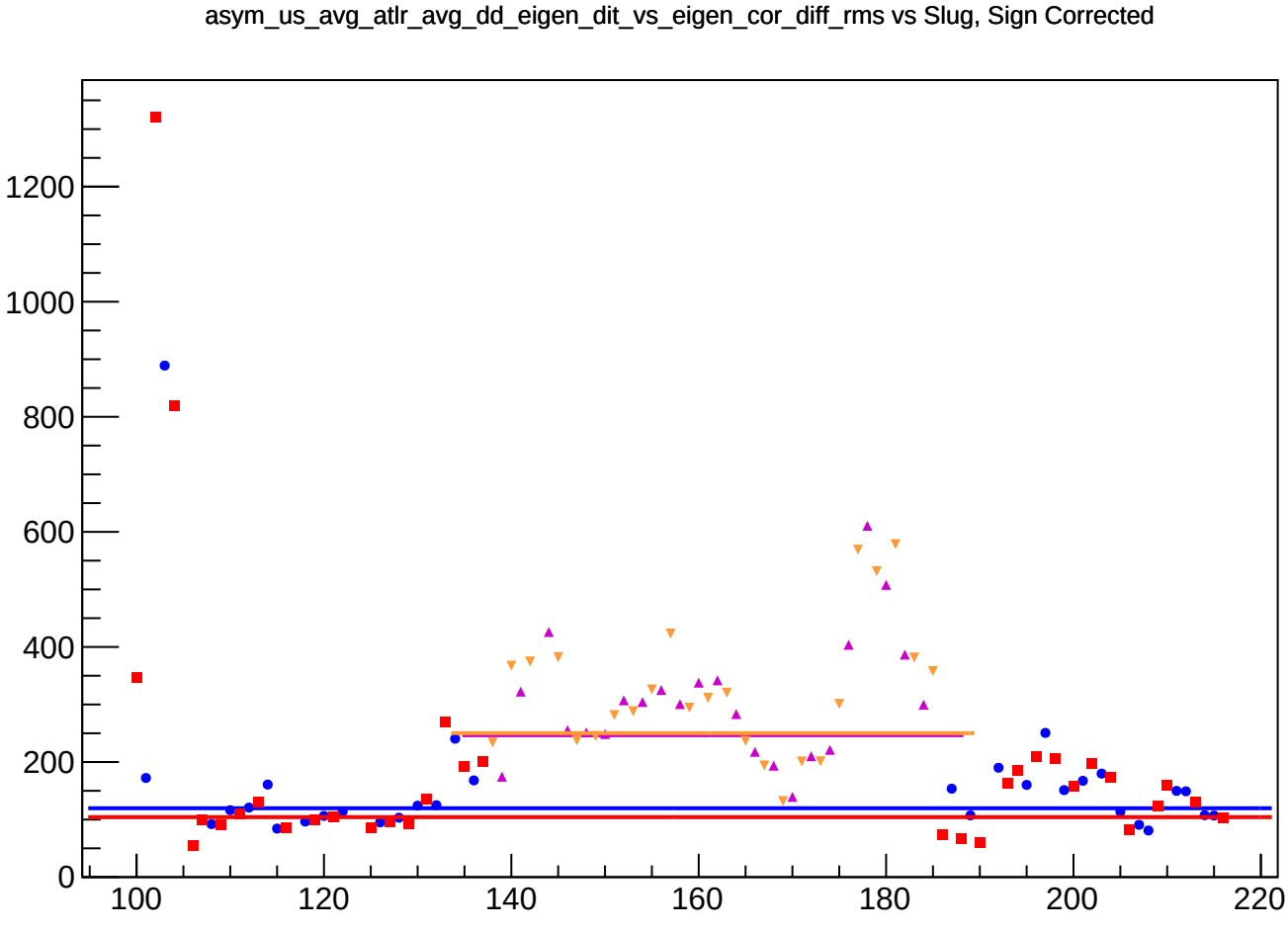
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.005+/-0.020 χ^2/NDF: 73.7/63

In: 0.027+/-0.027 χ^2/NDF:58.7/53

Out: -0.020+/-0.025 χ^2/NDF:71.7/56

All: 0.002+/-0.018 χ^2/NDF: 132.0/110



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: 104.225+/-0.019 χ^2/NDF: 6124340.5/32

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

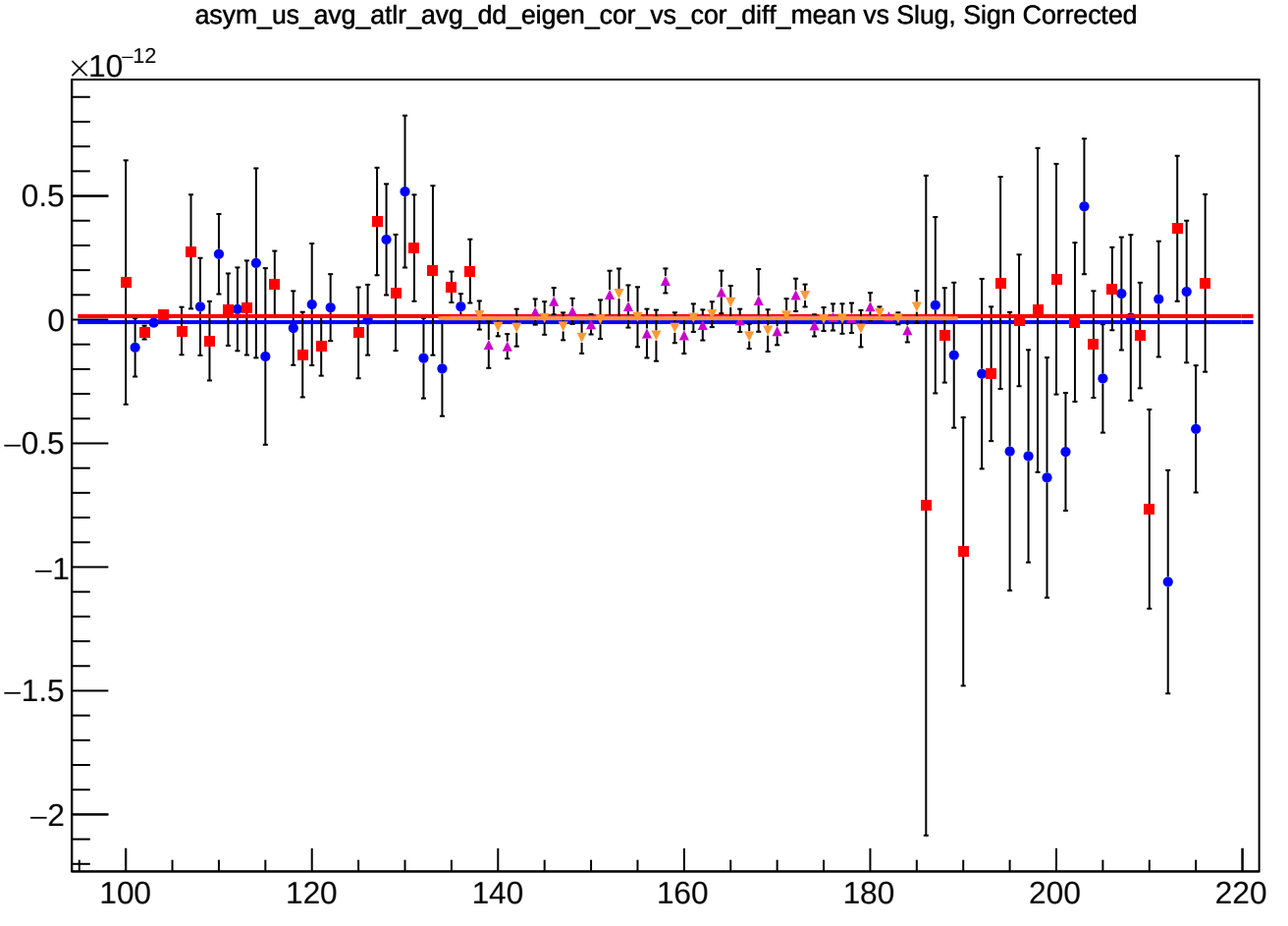
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 111.269+/-0.014 χ^2/NDF: 9881933.5/63

In: 143.549+/-0.019 χ^2/NDF:14040332.7/53

Out: 127.190+/-0.018 χ^2/NDF:19530015.8/56

All: 134.776+/-0.013 χ^2/NDF: 33967921.2/11



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: 32.6/32

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

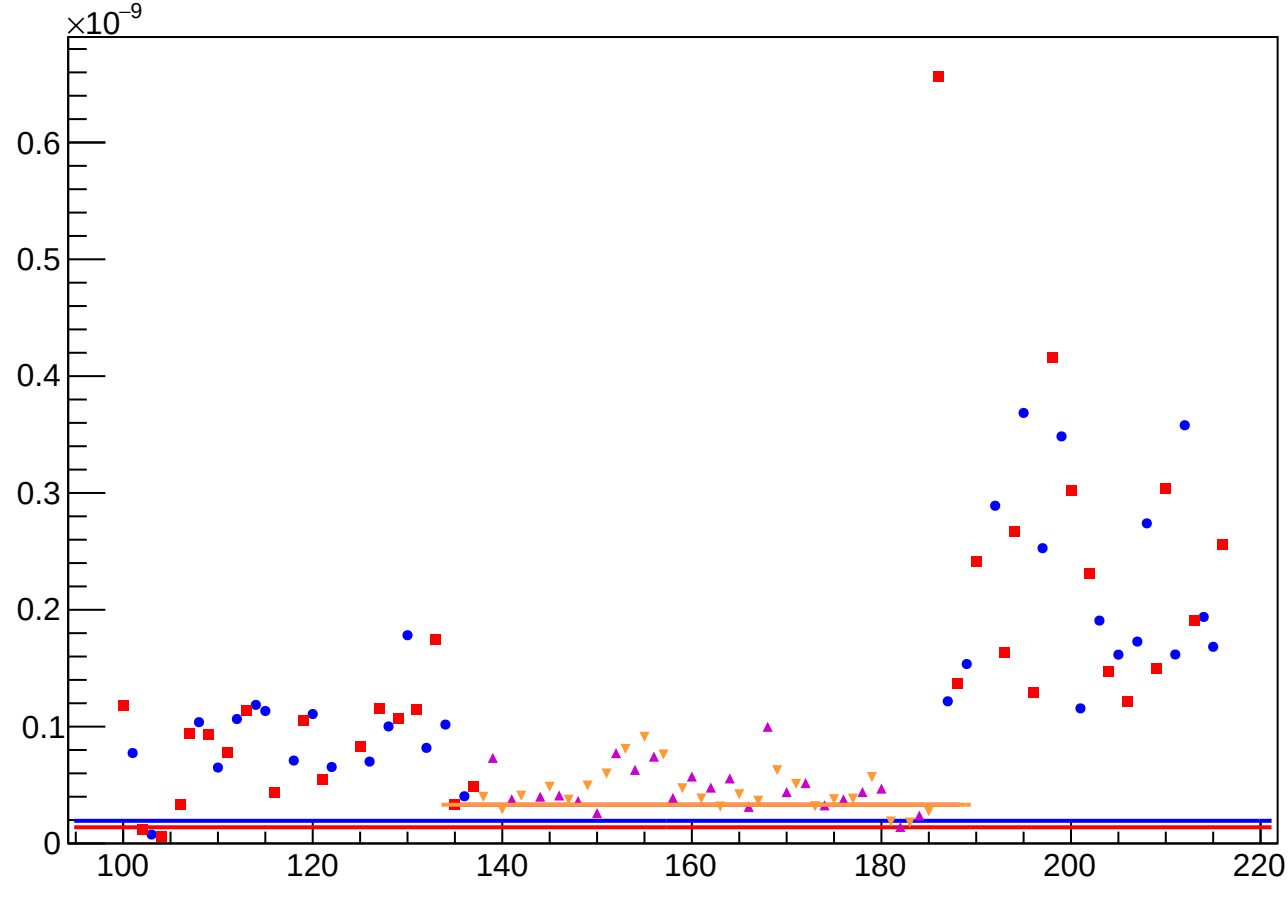
Right: 0.000+/-0.000 χ^2/NDF: 70.5/63

In: 0.000+/-0.000 χ^2/NDF:65.0/53

Out: 0.000+/-0.000 χ^2/NDF:46.8/56

All: 0.000+/-0.000 χ^2/NDF: 112.4/110

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 17293587.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16857912.6/32

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

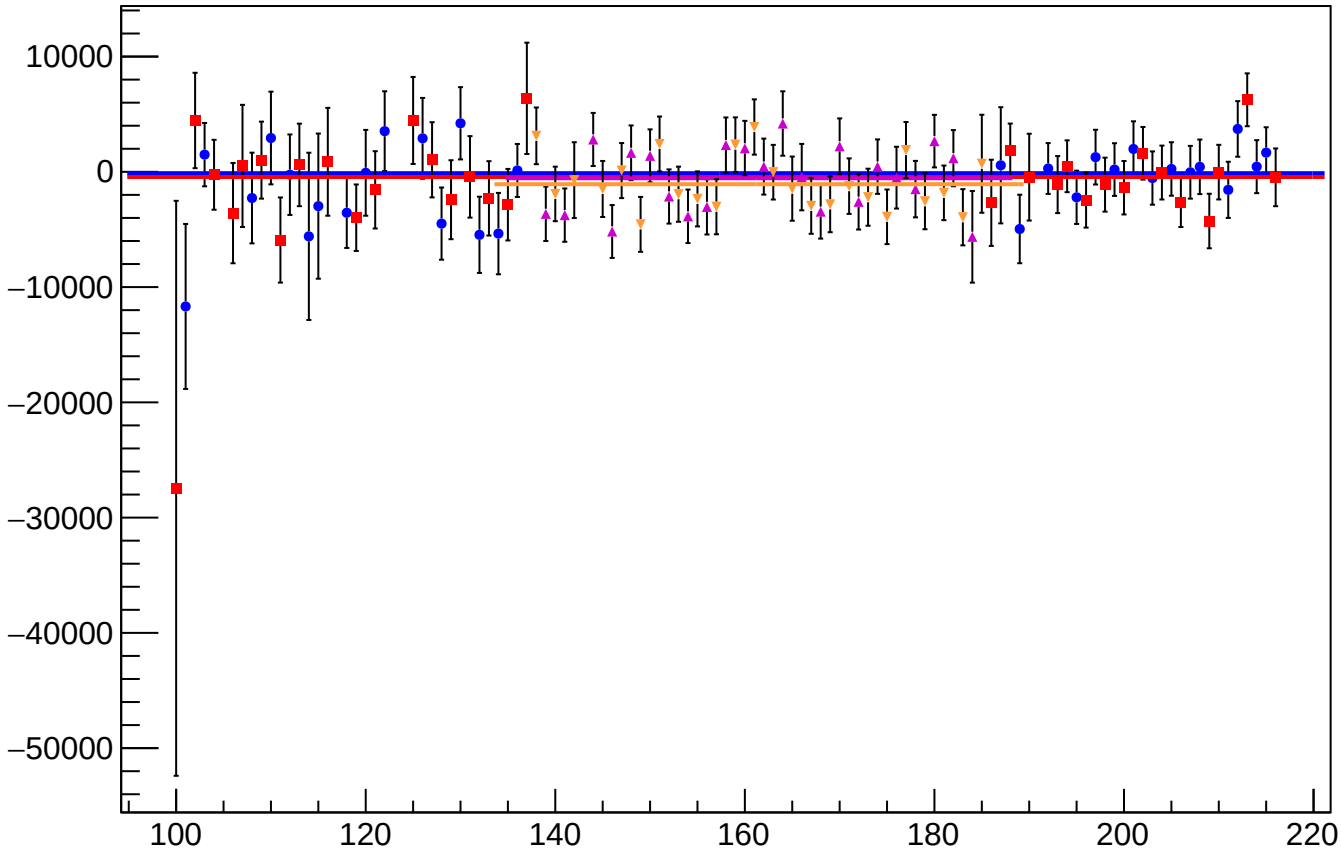
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 34397544.5/63

In: 0.000+/-0.000 χ^2/NDF:23777120.2/53

Out: 0.000+/-0.000 χ^2/NDF:24509261.5/56

All: 0.000+/-0.000 χ^2/NDF: 48645149.4/110



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: -447.268+/-509.235 χ^2/NDF: 28.0/32

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

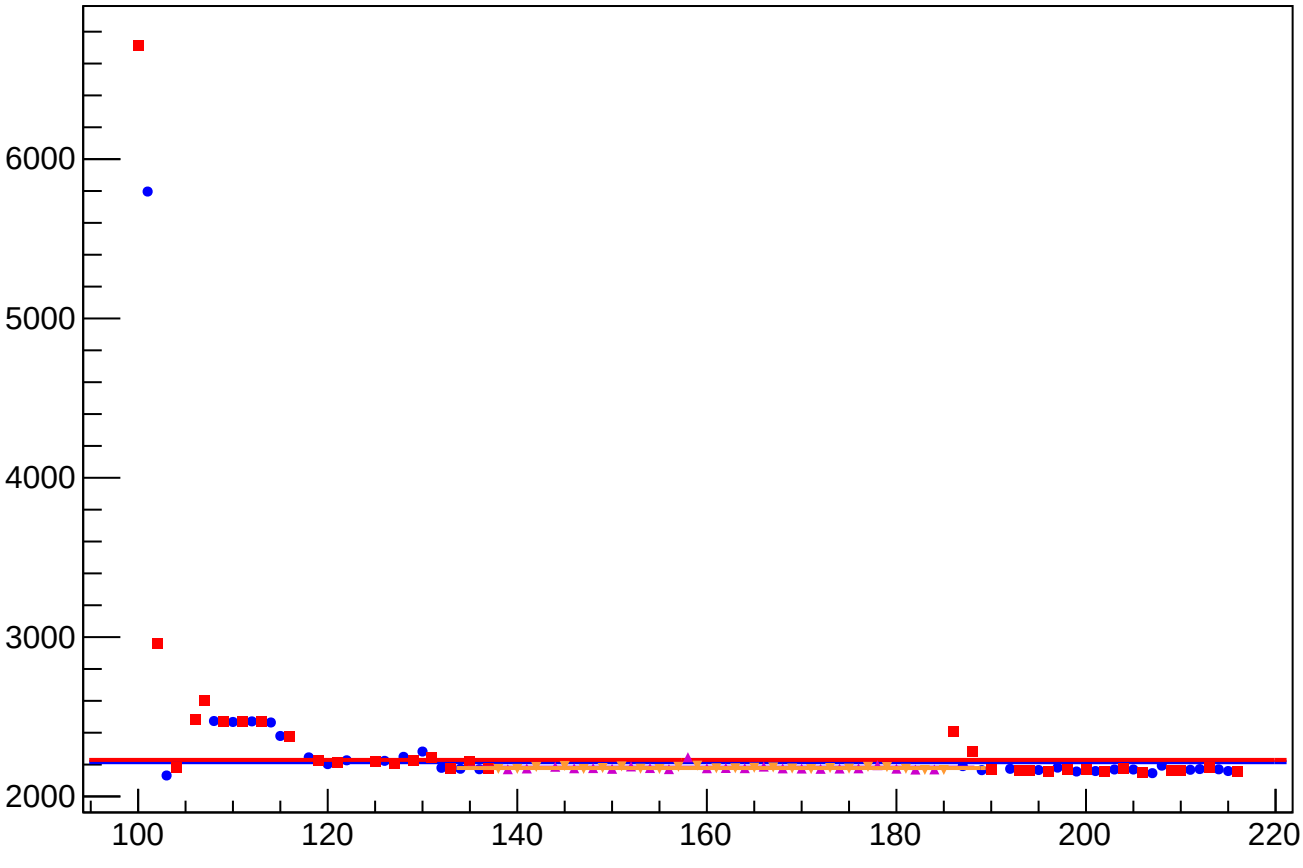
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -281.791+/-359.538 χ^2/NDF: 53.0/63

In: -336.529+/-359.529 χ^2/NDF:53.8/53

Out: -762.347+/-358.768 χ^2/NDF:50.4/56

All: -549.889+/-253.956 χ^2/NDF: 104.9/110



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: 2229.281+/-0.360 χ^2/NDF: 199862.3/32

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

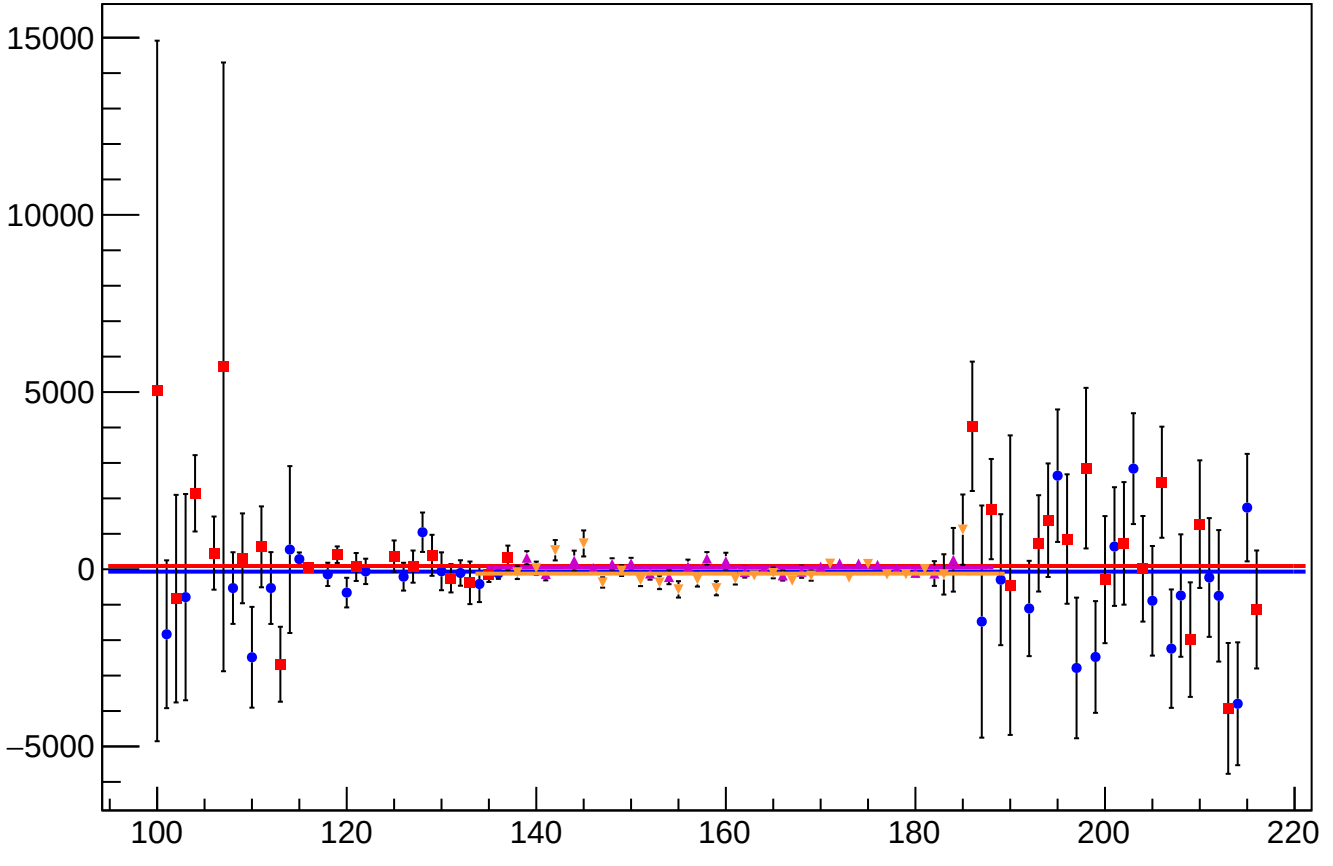
Right: 2222.052+/-0.254 χ^2/NDF: 748891.2/63

In: 2197.943+/-0.254 χ^2/NDF:554549.3/53

Out: 2203.576+/-0.254 χ^2/NDF:210369.1/56

All: 2200.766+/-0.180 χ^2/NDF: 765164.4/110

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: 91.452+/-80.986 χ^2/NDF: 36.0/32

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

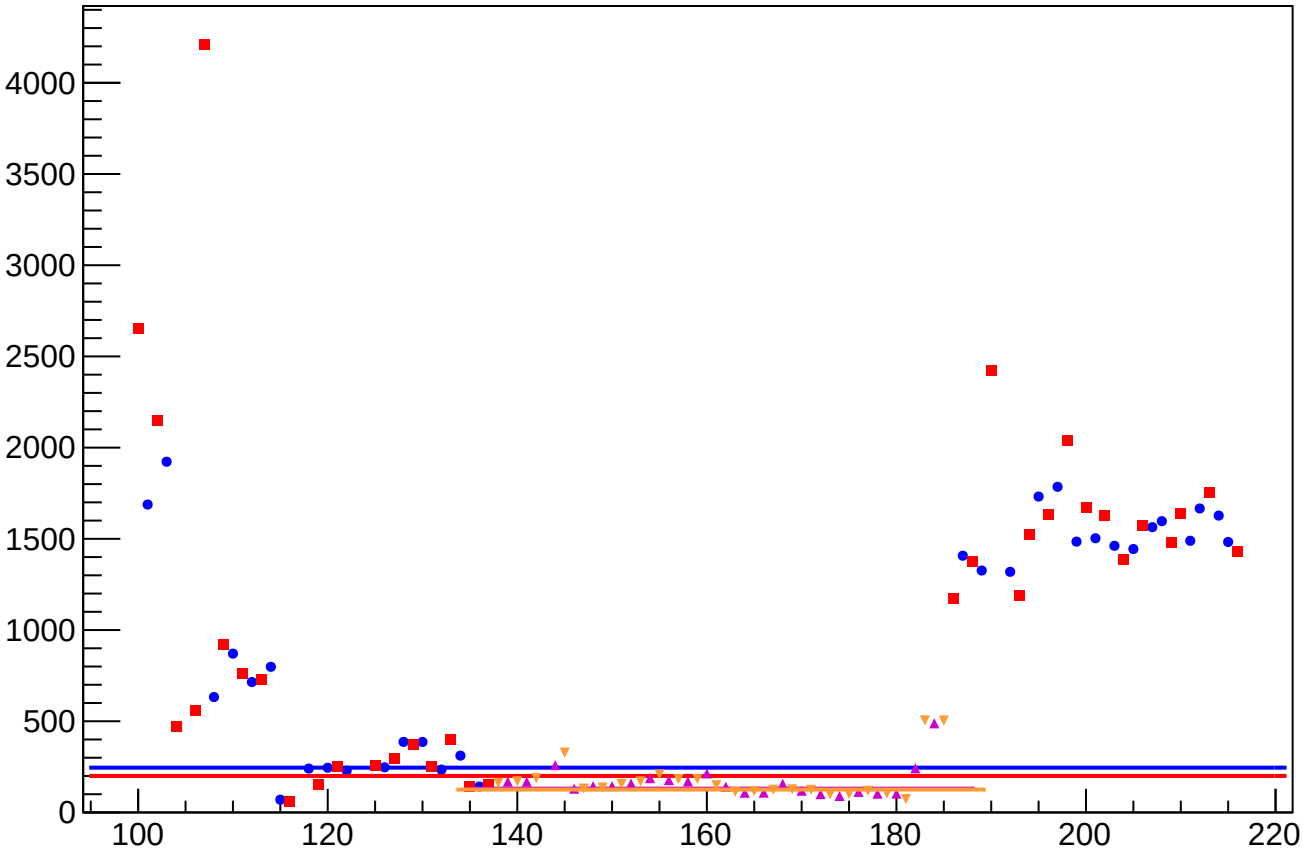
Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

Right: 19.813+/-59.908 χ^2/NDF: 71.2/63

In: 36.516+/-30.567 χ^2/NDF:53.2/53

Out: -94.969+/-29.283 χ^2/NDF:85.9/56

All: -32.045+/-21.145 χ^2/NDF: 148.8/110



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: 200.179+/-0.057 χ^2/NDF: 24790632.6/32

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

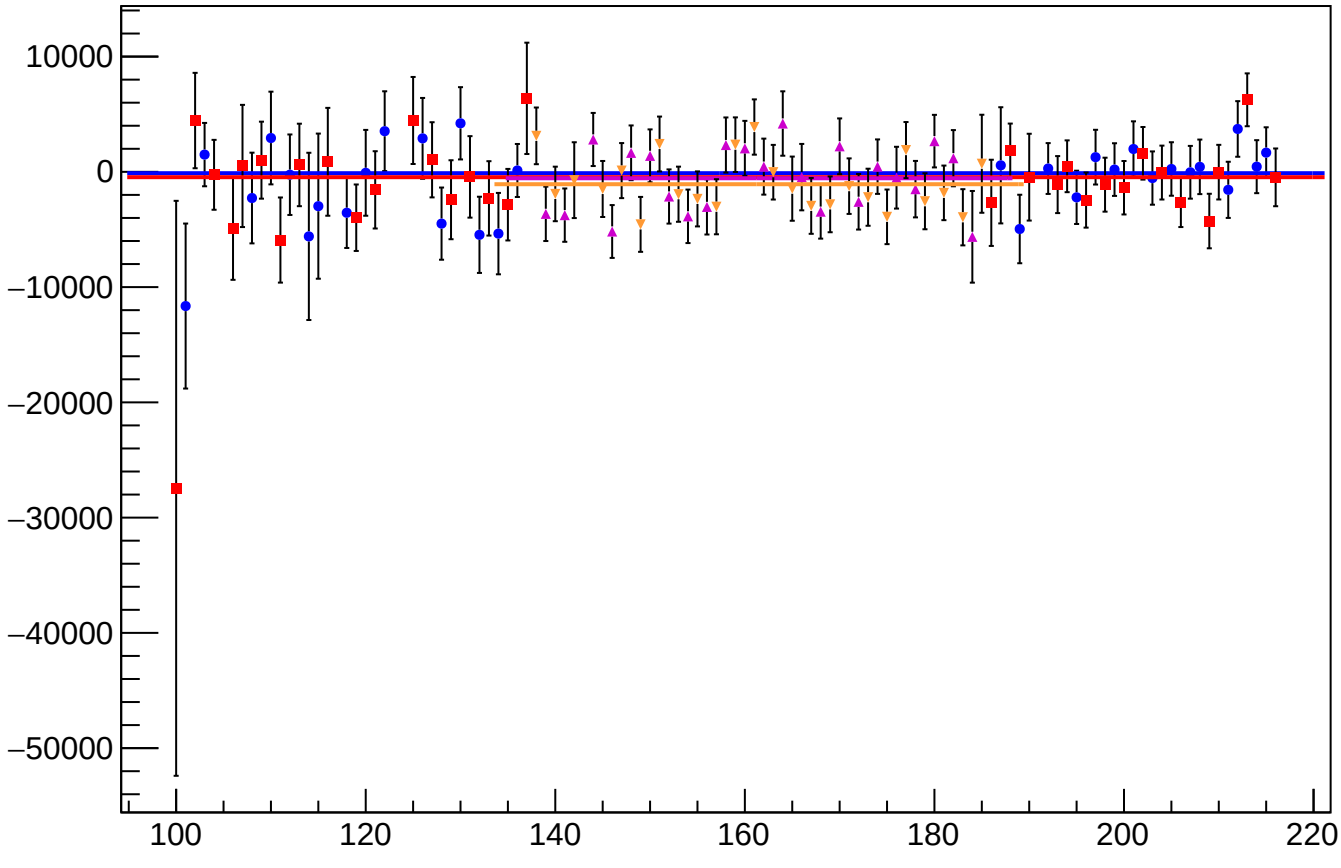
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 220.743+/-0.042 χ^2/NDF: 47651187.6/63

In: 144.010+/-0.022 χ^2/NDF:28207185.0/53

Out: 135.269+/-0.021 χ^2/NDF:30211422.0/56

All: 139.452+/-0.015 χ^2/NDF: 58503895.7/1



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: -463.261+/-509.380 χ^2/NDF: 28.5/32

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

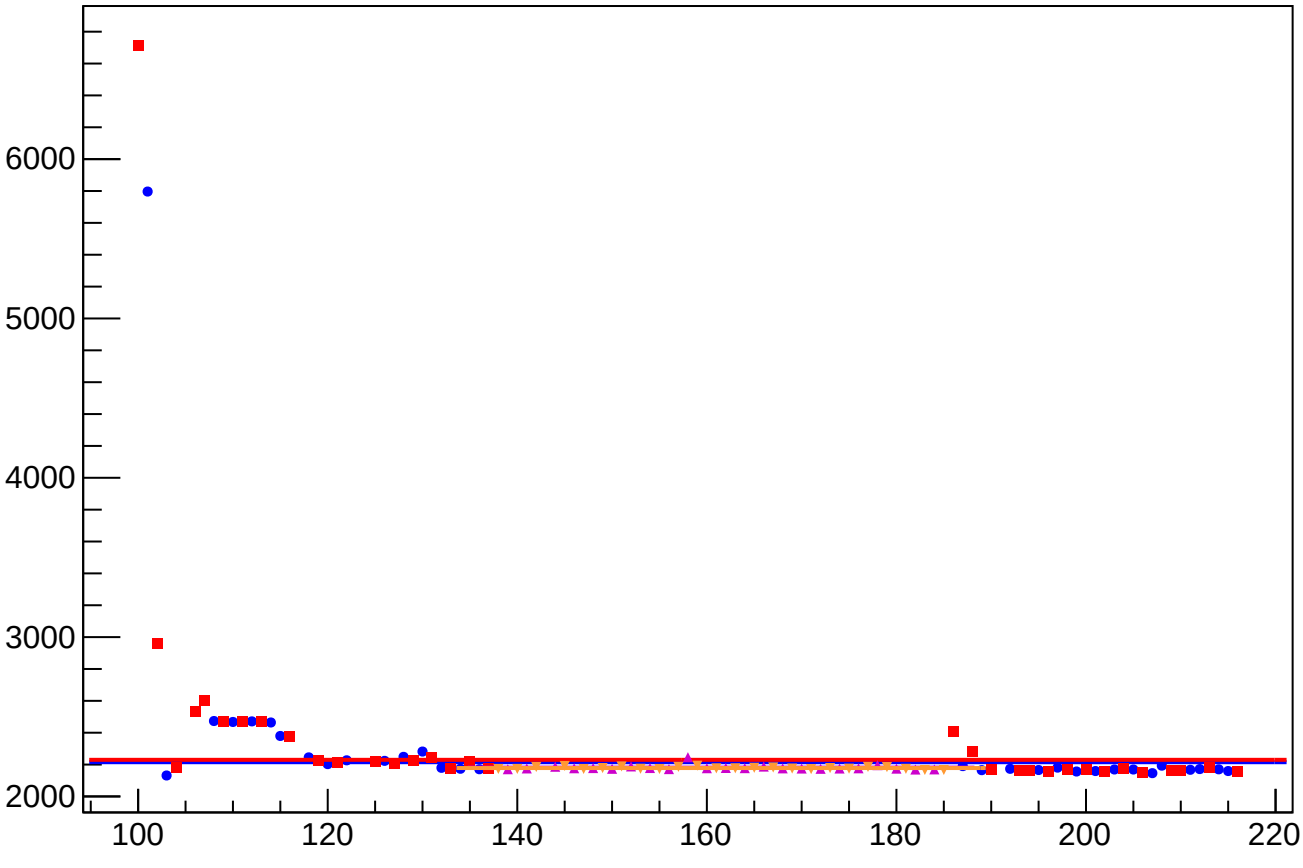
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -289.517+/-359.589 χ^2/NDF: 53.5/63

In: -336.346+/-359.529 χ^2/NDF:53.8/53

Out: -770.337+/-358.819 χ^2/NDF:50.8/56

All: -553.770+/-253.974 χ^2/NDF: 105.4/110



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: 2229.802+/-0.360 χ^2/NDF: 202451.1/32

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

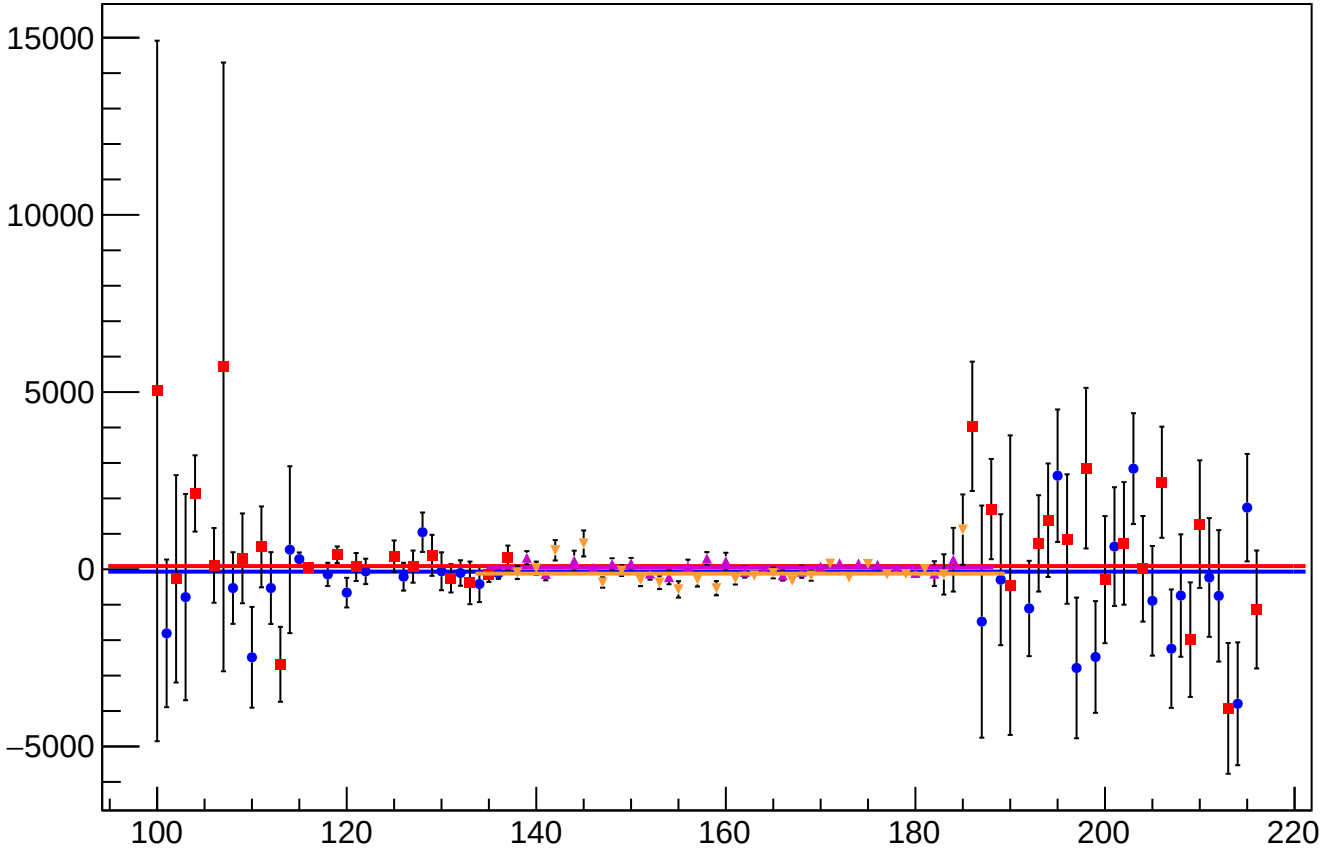
Right: 2222.310+/-0.254 χ^2/NDF: 751539.3/63

In: 2197.943+/-0.254 χ^2/NDF:554549.6/53

Out: 2203.828+/-0.254 χ^2/NDF:213162.7/56

All: 2200.891+/-0.180 χ^2/NDF: 767980.8/110

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: 89.495+/-80.927 χ^2/NDF: 35.8/32

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

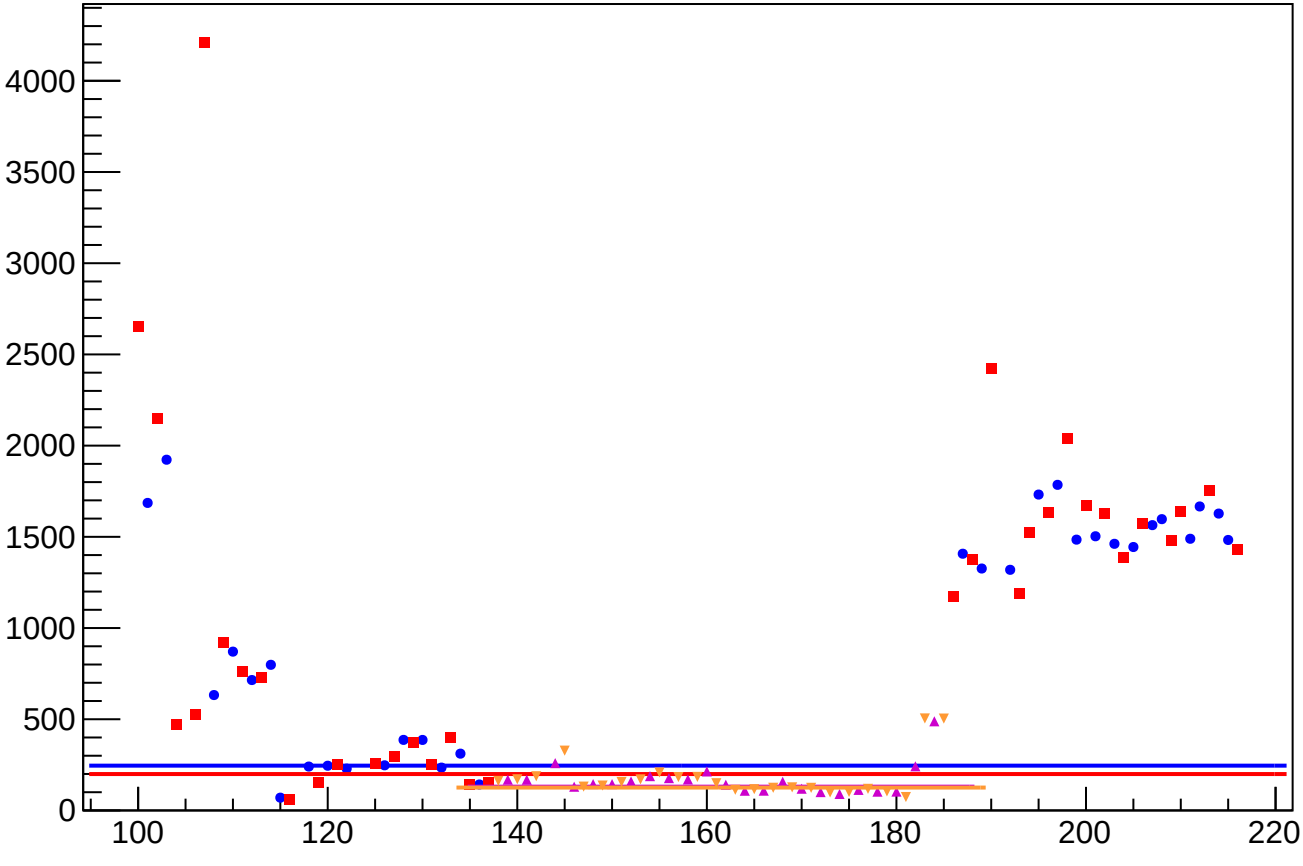
Right: 18.786+/-59.886 χ^2/NDF: 70.9/63

In: 36.416+/-30.570 χ^2/NDF:53.2/53

Out: -95.121+/-29.280 χ^2/NDF:85.6/56

All: -32.185+/-21.145 χ^2/NDF: 148.5/110

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: 199.576+/-0.057 χ^2/NDF: 24760790.2/32

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

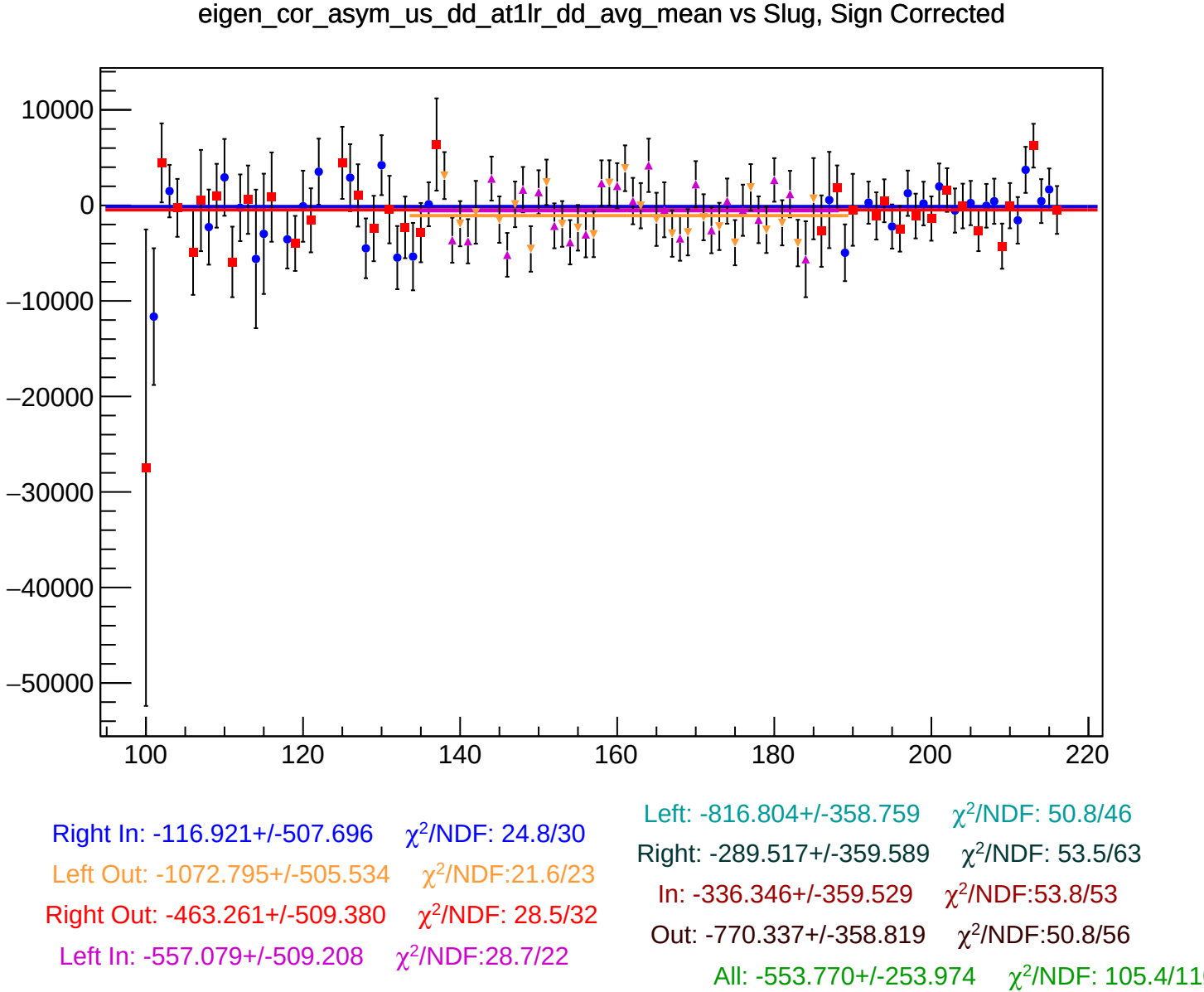
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

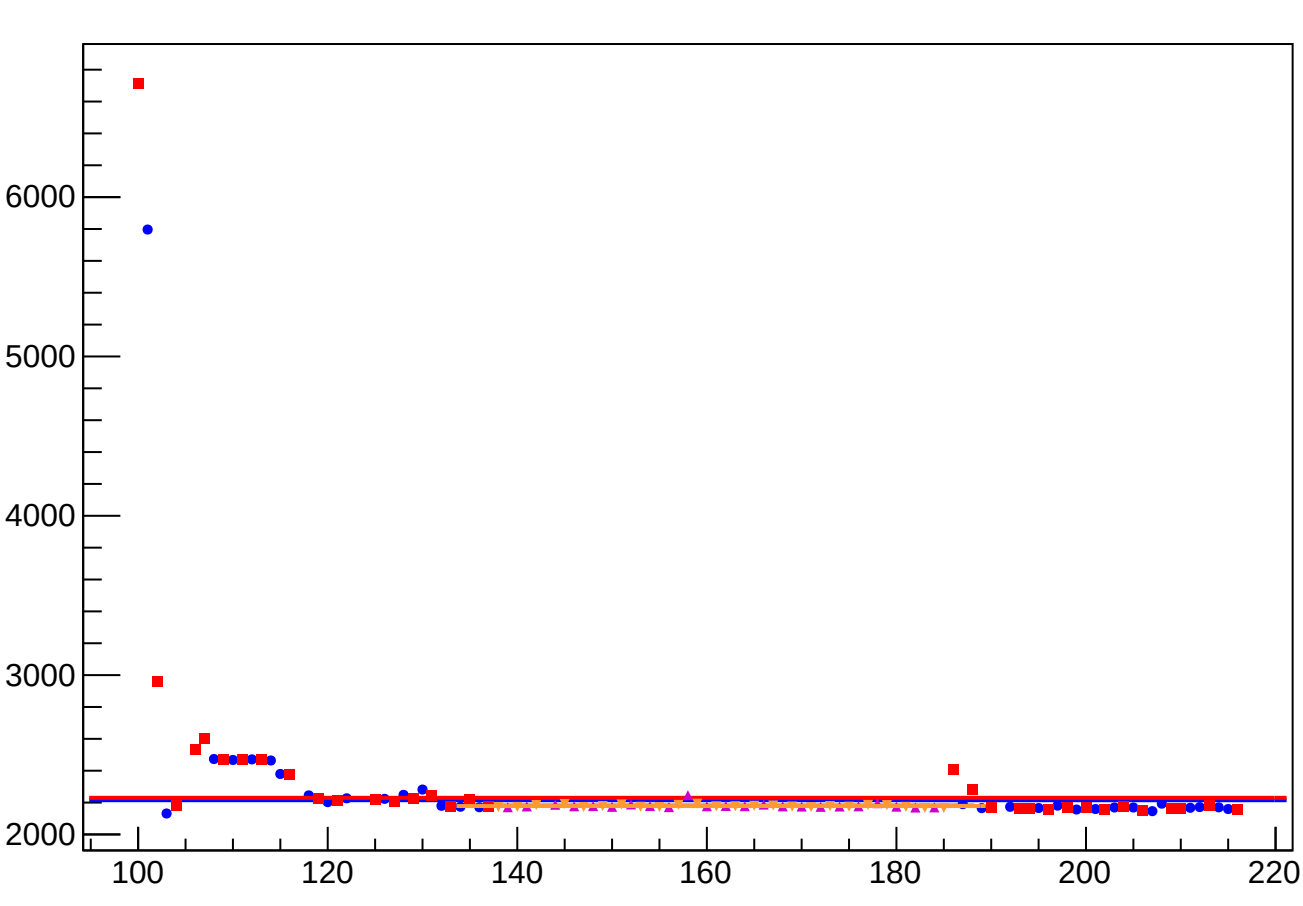
Right: 220.409+/-0.042 χ^2/NDF: 47627682.9/63

In: 144.028+/-0.022 χ^2/NDF:28205426.6/53

Out: 135.199+/-0.021 χ^2/NDF:30160623.6/56

All: 139.423+/-0.015 χ^2/NDF: 58453050.2/11


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: -116.921+/-507.696 χ²/NDF: 24.8/30
Left Out: -1072.795+/-505.534 χ²/NDF:21.6/23
Right Out: -463.261+/-509.380 χ²/NDF: 28.5/32
Left In: -557.079+/-509.208 χ²/NDF:28.7/22
Left: -816.804+/-358.759 χ²/NDF: 50.8/46
Right: -289.517+/-359.589 χ²/NDF: 53.5/63
In: -336.346+/-359.529 χ²/NDF:53.8/53
Out: -770.337+/-358.819 χ²/NDF:50.8/56
All: -553.770+/-253.974 χ²/NDF: 105.4/110



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: 2229.802+/-0.360 χ^2/NDF: 202451.1/32

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

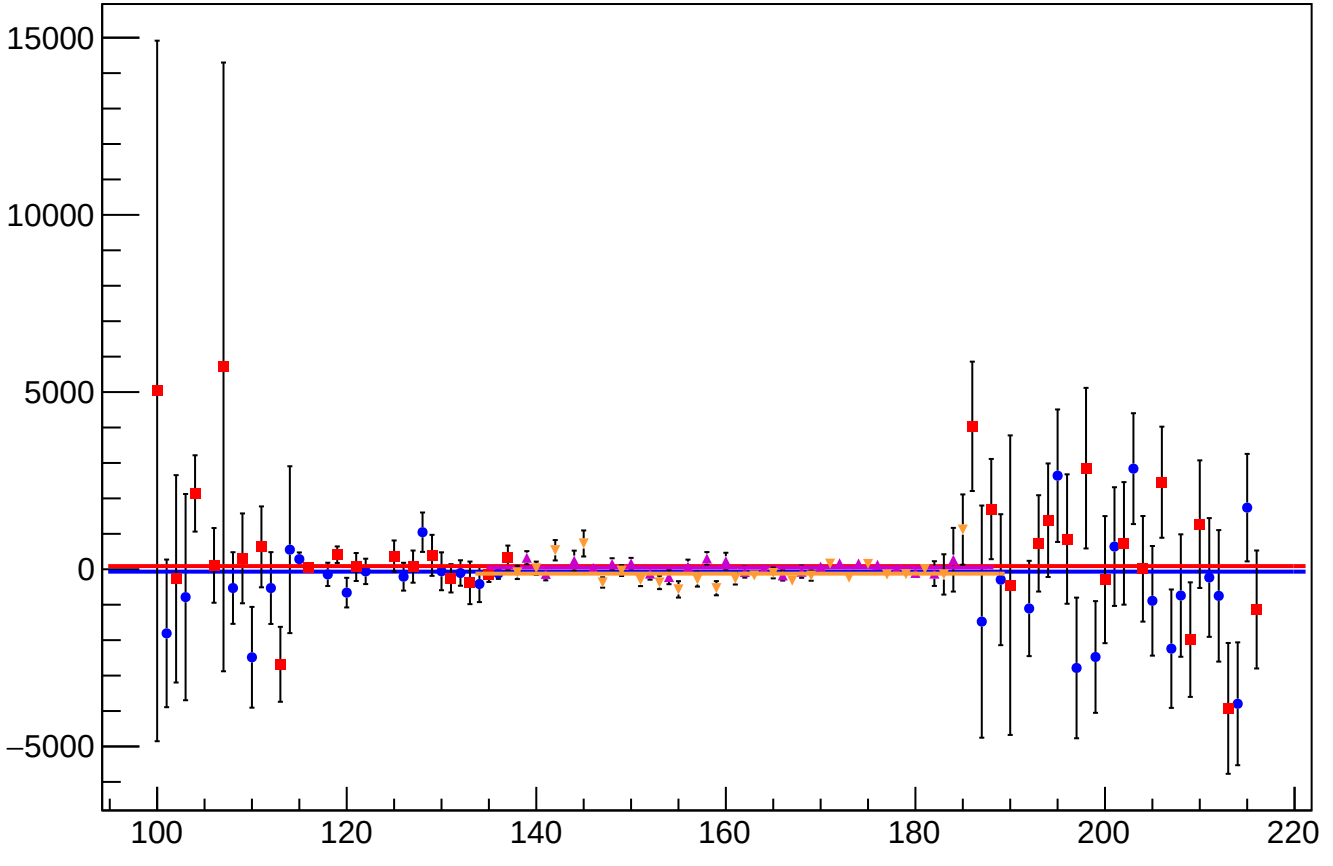
Right: 2222.310+/-0.254 χ^2/NDF: 751539.3/63

In: 2197.943+/-0.254 χ^2/NDF:554549.6/53

Out: 2203.828+/-0.254 χ^2/NDF:213162.7/56

All: 2200.891+/-0.180 χ^2/NDF: 767980.8/110

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: 89.495+/-80.927 χ^2/NDF: 35.8/32

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

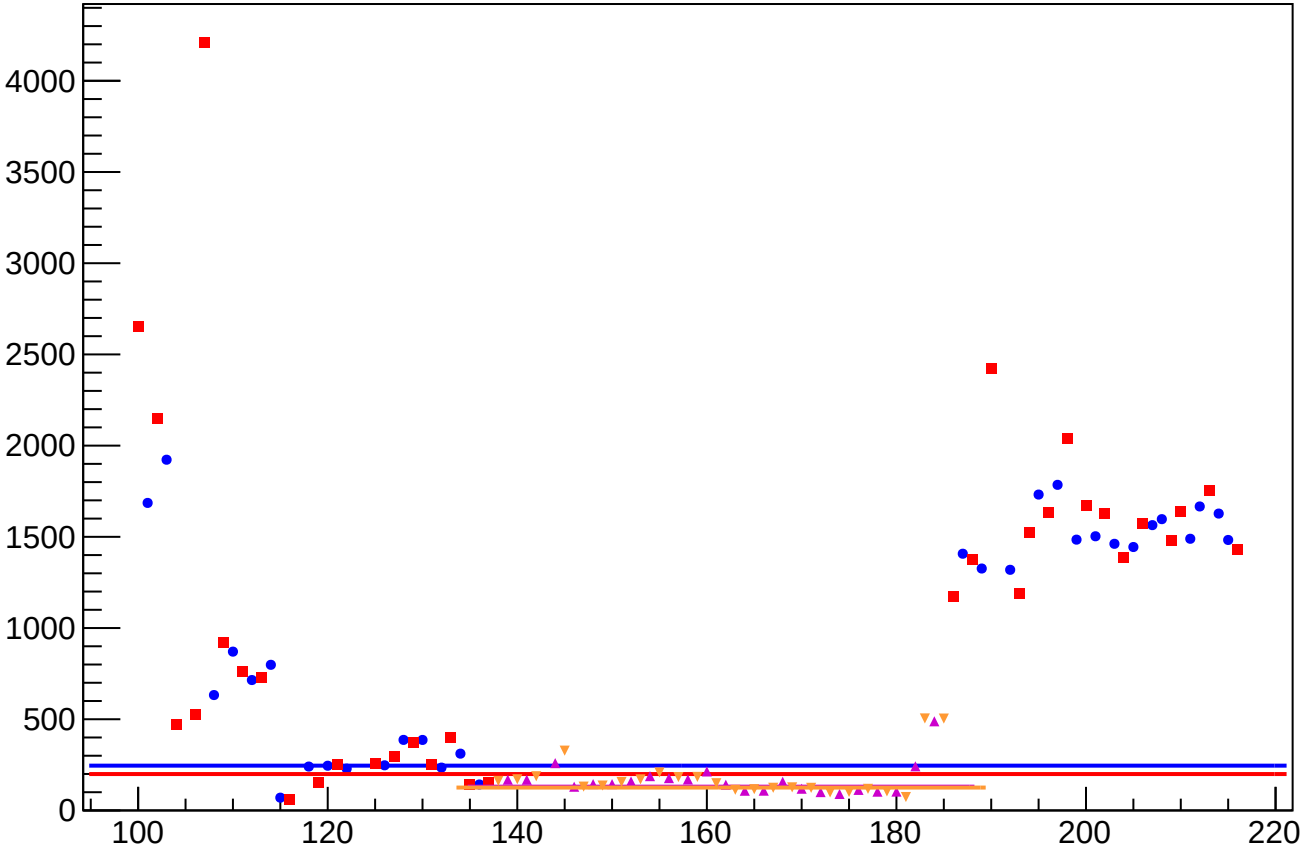
Right: 18.786+/-59.886 χ^2/NDF: 70.9/63

In: 36.416+/-30.570 χ^2/NDF:53.2/53

Out: -95.121+/-29.280 χ^2/NDF:85.6/56

All: -32.185+/-21.145 χ^2/NDF: 148.5/110

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: 199.576+/-0.057 χ^2/NDF: 24760790.2/32

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

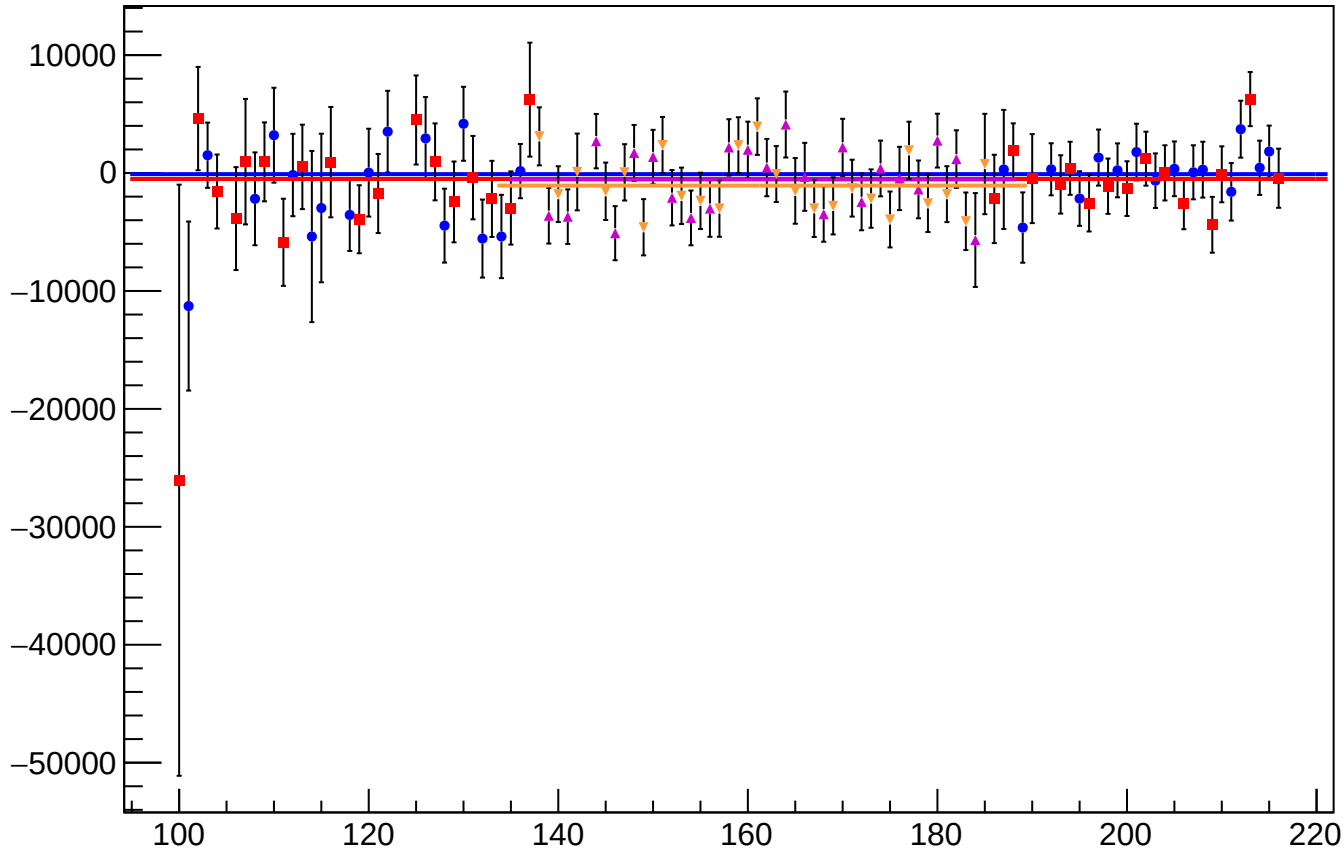
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 220.409+/-0.042 χ^2/NDF: 47627682.9/63

In: 144.028+/-0.022 χ^2/NDF:28205426.6/53

Out: 135.199+/-0.021 χ^2/NDF:30160623.6/56

All: 139.423+/-0.015 χ^2/NDF: 58453050.2/11



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: -504.621+/-510.669 χ^2/NDF: 27.7/32

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

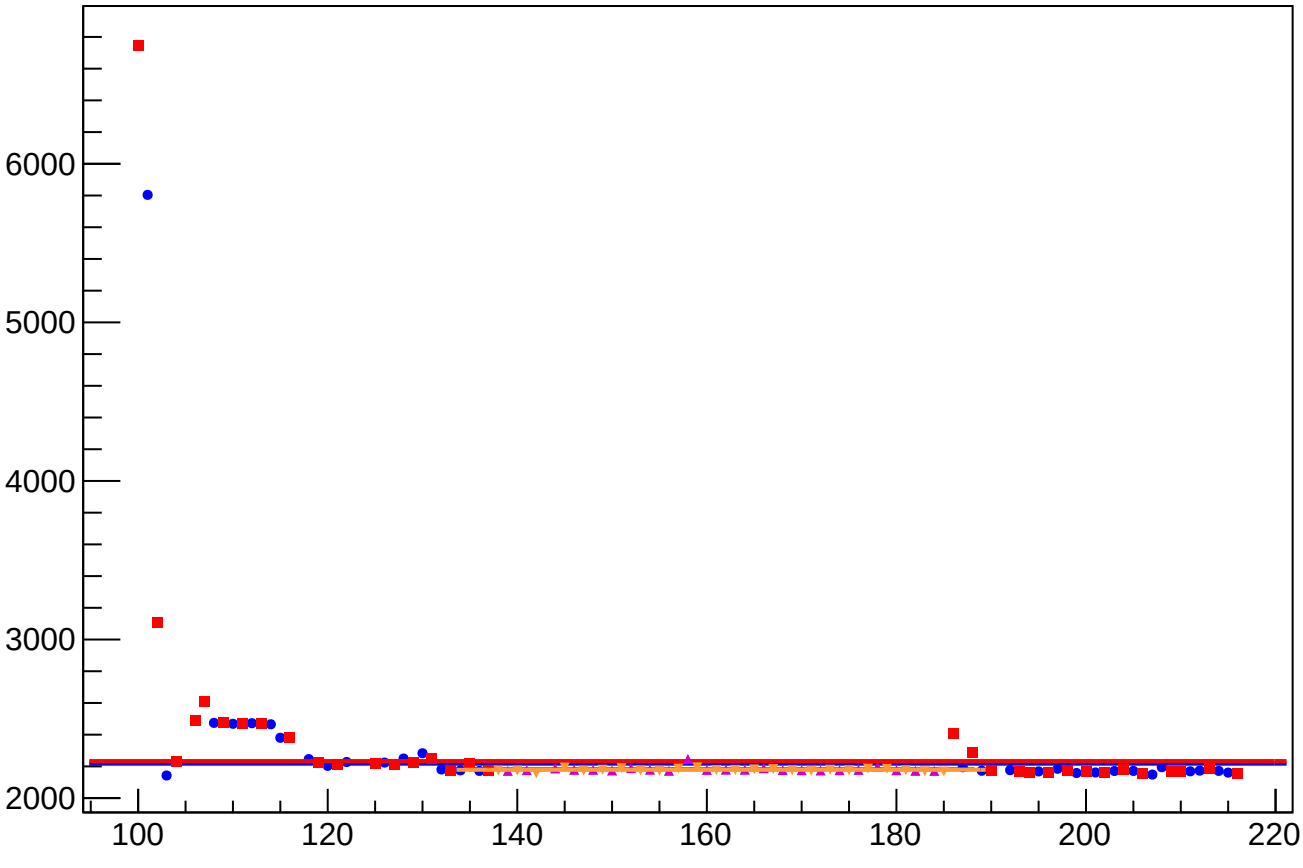
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -298.263+/-360.232 χ^2/NDF: 52.3/63

In: -318.533+/-359.797 χ^2/NDF:52.6/53

Out: -786.264+/-359.302 χ^2/NDF:50.2/56

All: -552.721+/-254.239 χ^2/NDF: 103.6/110



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: 2233.656+/-0.361 χ^2/NDF: 218328.3/32

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

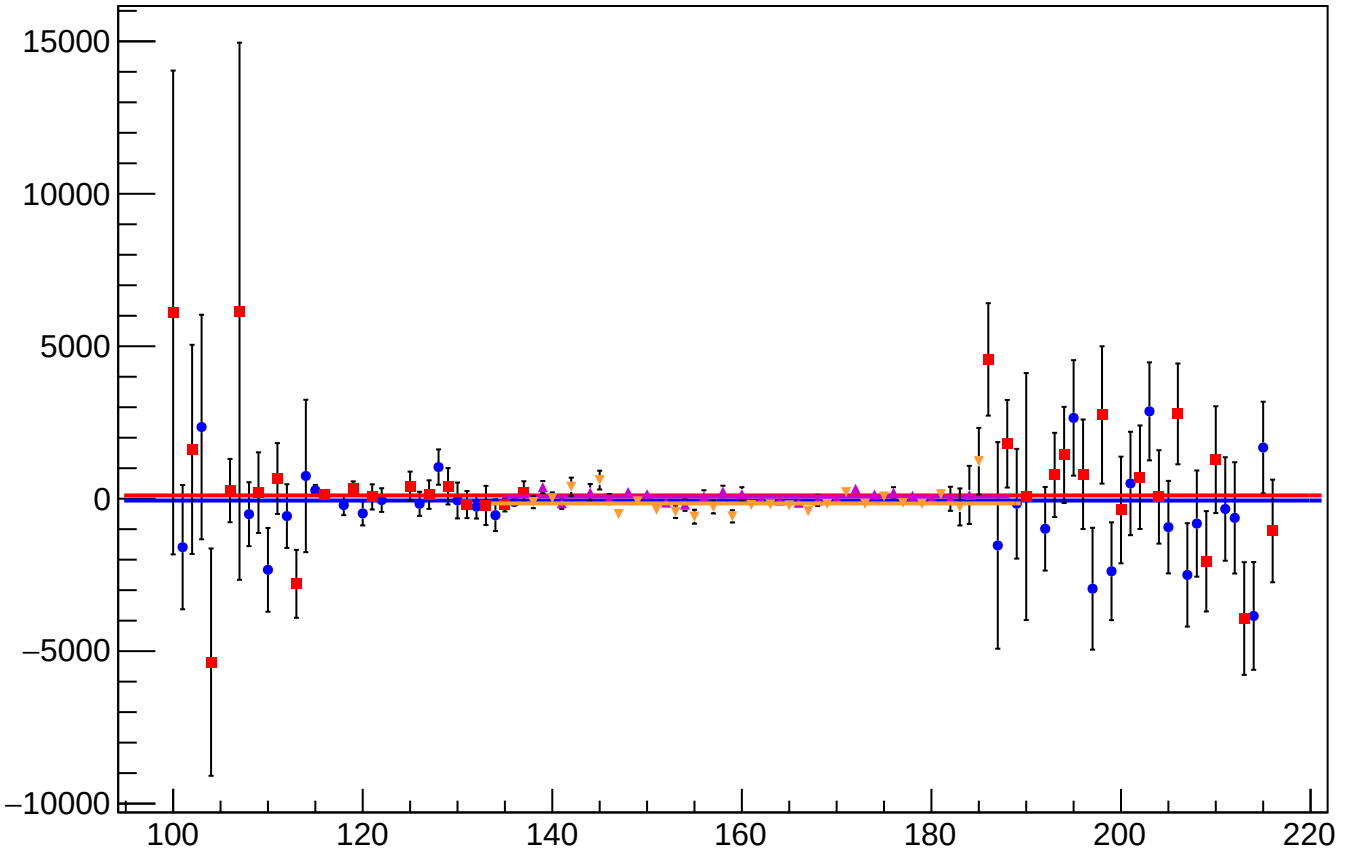
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2225.341+/-0.255 χ^2/NDF: 767058.7/63

In: 2199.535+/-0.254 χ^2/NDF:554304.8/53

Out: 2205.806+/-0.254 χ^2/NDF:230564.2/56

All: 2202.675+/-0.180 χ^2/NDF: 785173.2/110



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: 106.806+/-84.511 χ^2/NDF: 35.0/32

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

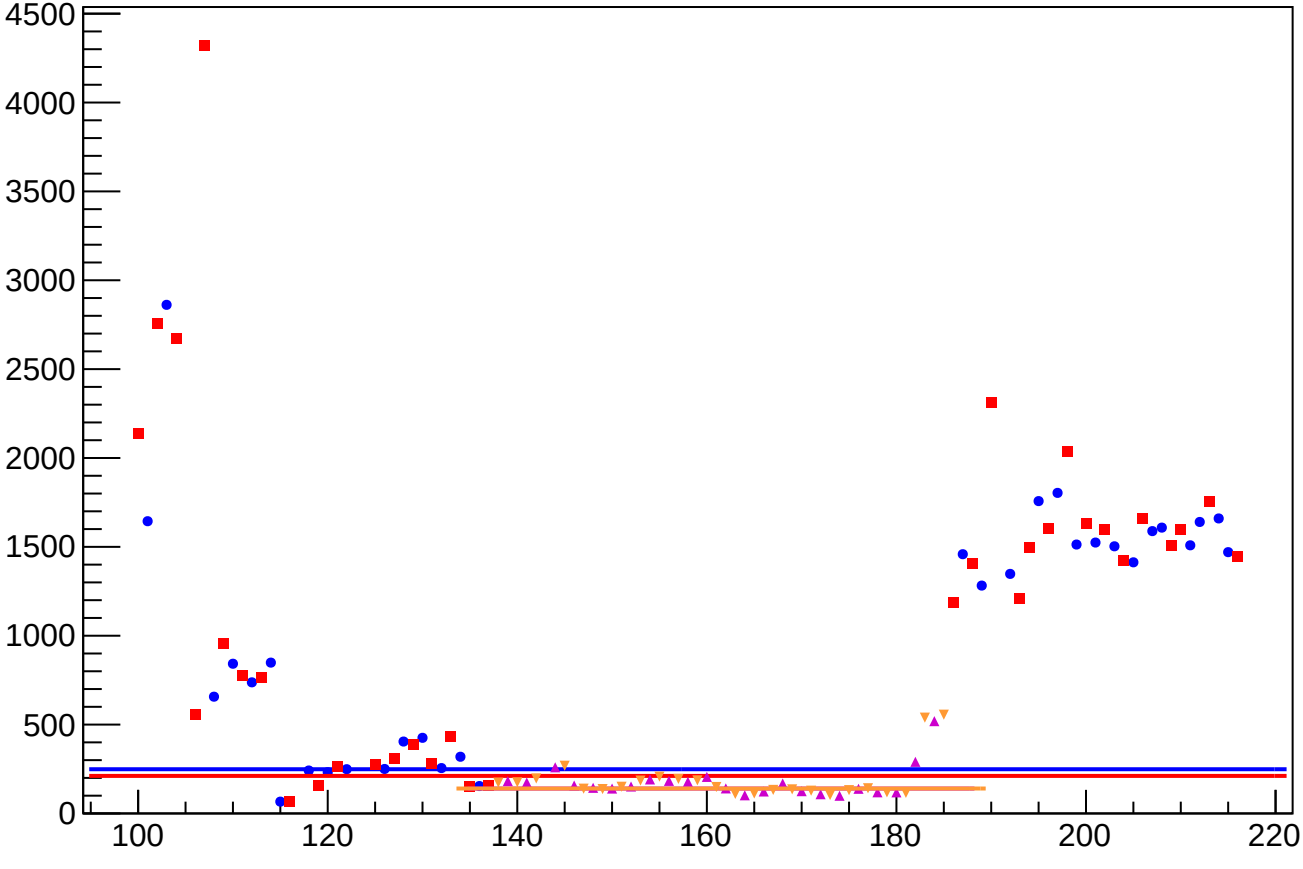
Right: 28.851+/-61.754 χ^2/NDF: 69.9/63

In: 53.804+/-31.994 χ^2/NDF:53.8/53

Out: -118.180+/-31.591 χ^2/NDF:90.5/56

All: -33.276+/-22.479 χ^2/NDF: 159.0/110

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: 211.293+/-0.060 χ^2/NDF: 25497964.8/32

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

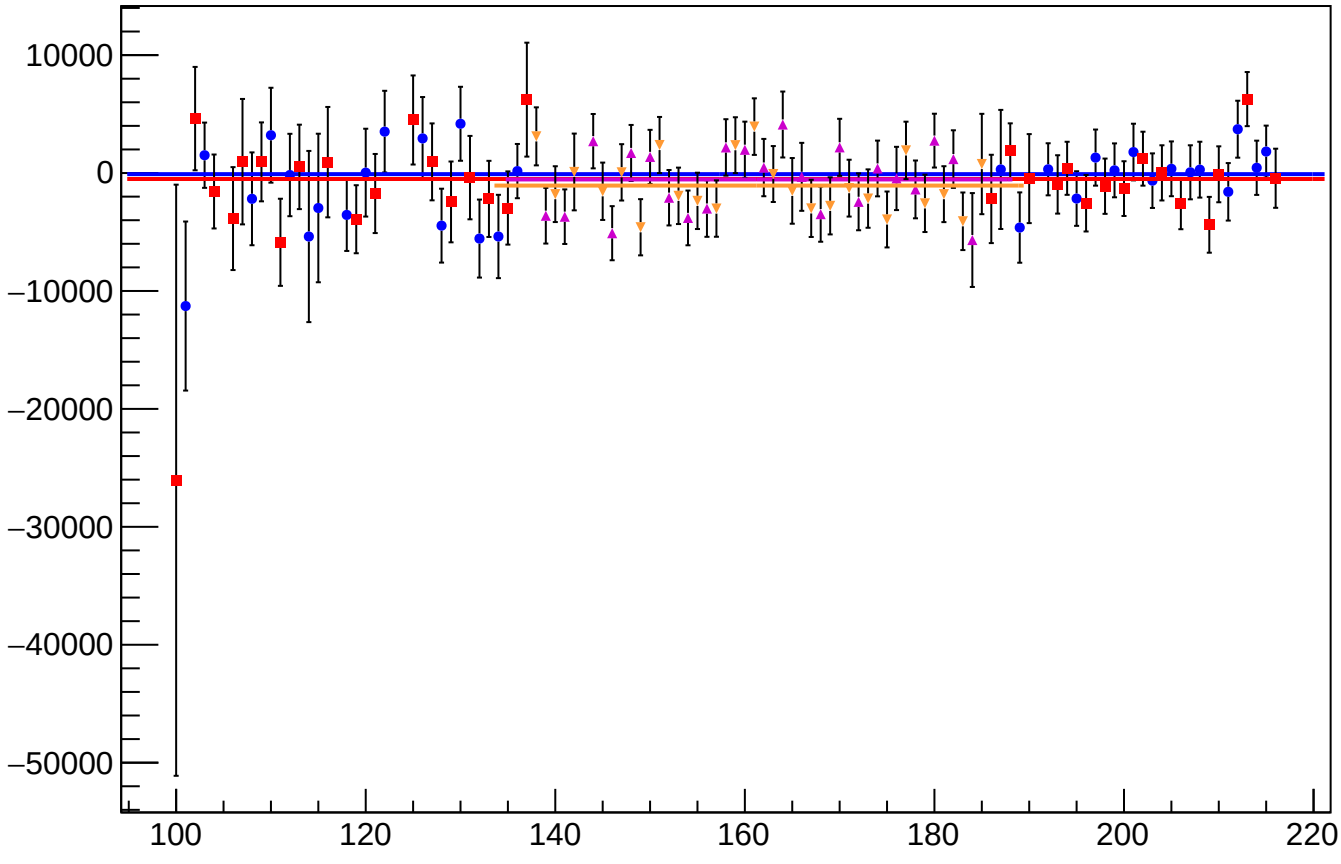
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 228.785+/-0.044 χ^2/NDF: 48800668.7/63

In: 153.594+/-0.023 χ^2/NDF:28064835.0/53

Out: 150.236+/-0.022 χ^2/NDF:29471728.9/56

All: 151.894+/-0.016 χ^2/NDF: 57547719.6/1



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: -504.621+/-510.669 χ^2/NDF: 27.7/32

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

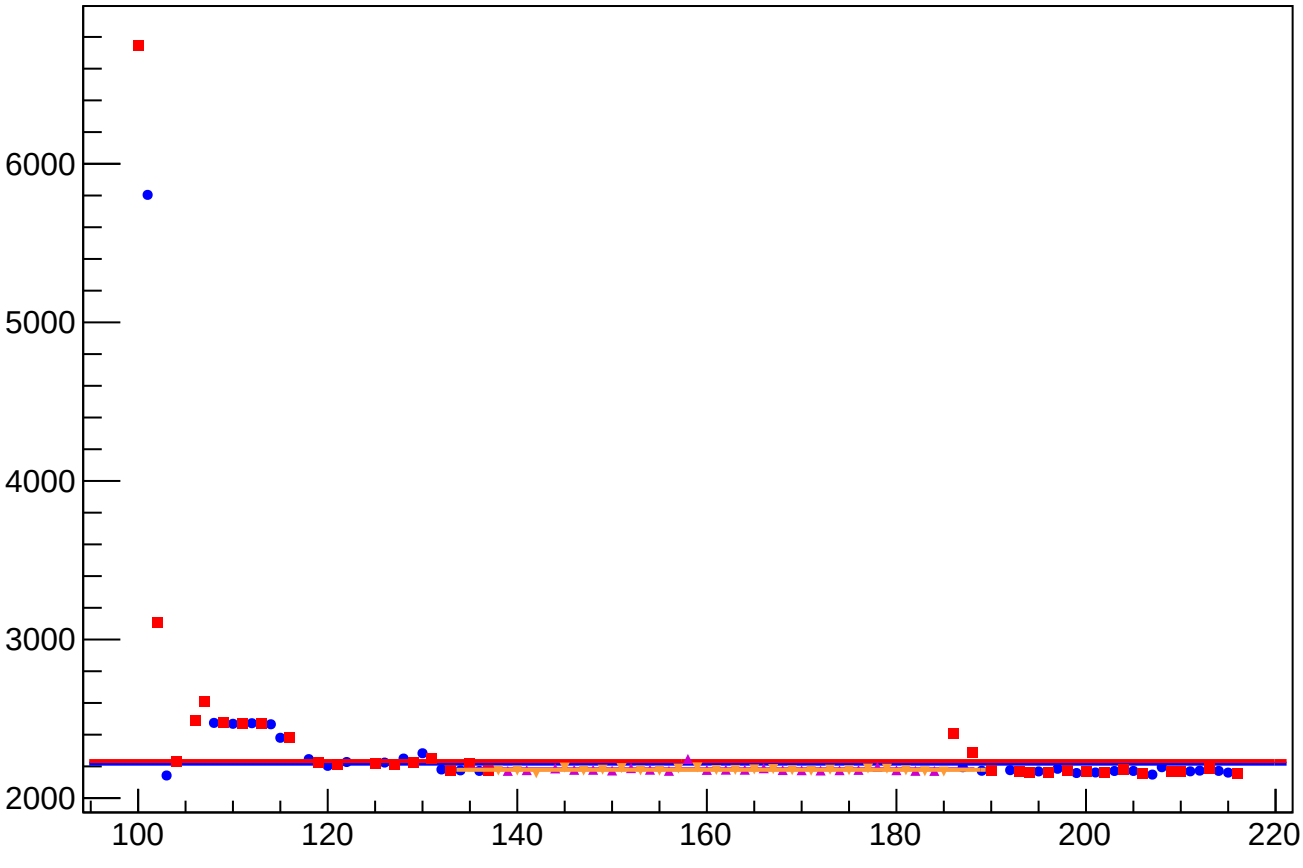
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -298.264+/-360.232 χ^2/NDF: 52.3/63

In: -318.534+/-359.797 χ^2/NDF:52.6/53

Out: -786.264+/-359.302 χ^2/NDF:50.2/56

All: -552.721+/-254.239 χ^2/NDF: 103.6/110



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: 2233.656+/-0.361 χ^2/NDF: 218328.2/32

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

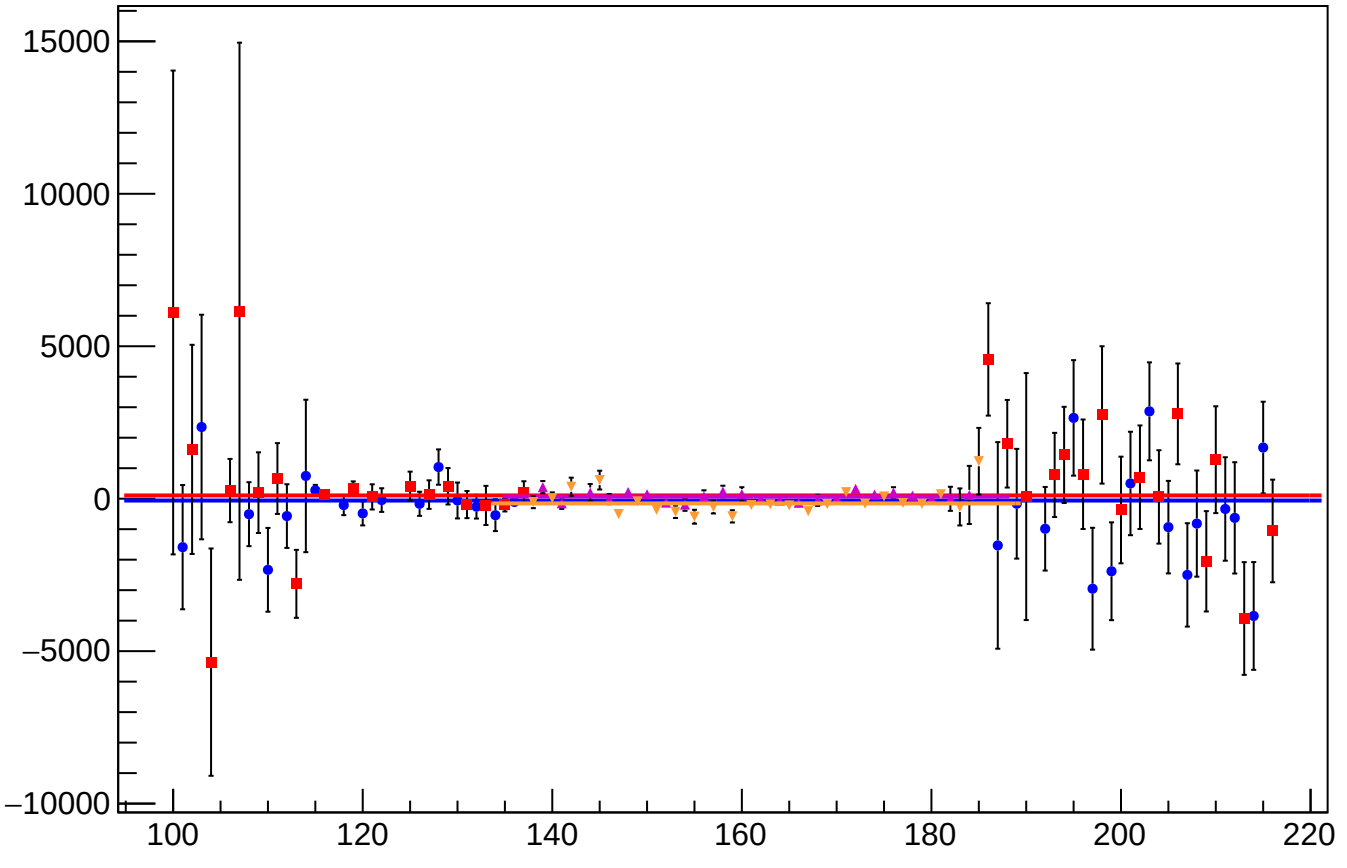
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2225.341+/-0.255 χ^2/NDF: 767058.6/63

In: 2199.535+/-0.254 χ^2/NDF:554304.8/53

Out: 2205.806+/-0.254 χ^2/NDF:230564.1/56

All: 2202.675+/-0.180 χ^2/NDF: 785173.0/110



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: 106.807+/-84.511 χ^2/NDF: 35.0/32

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

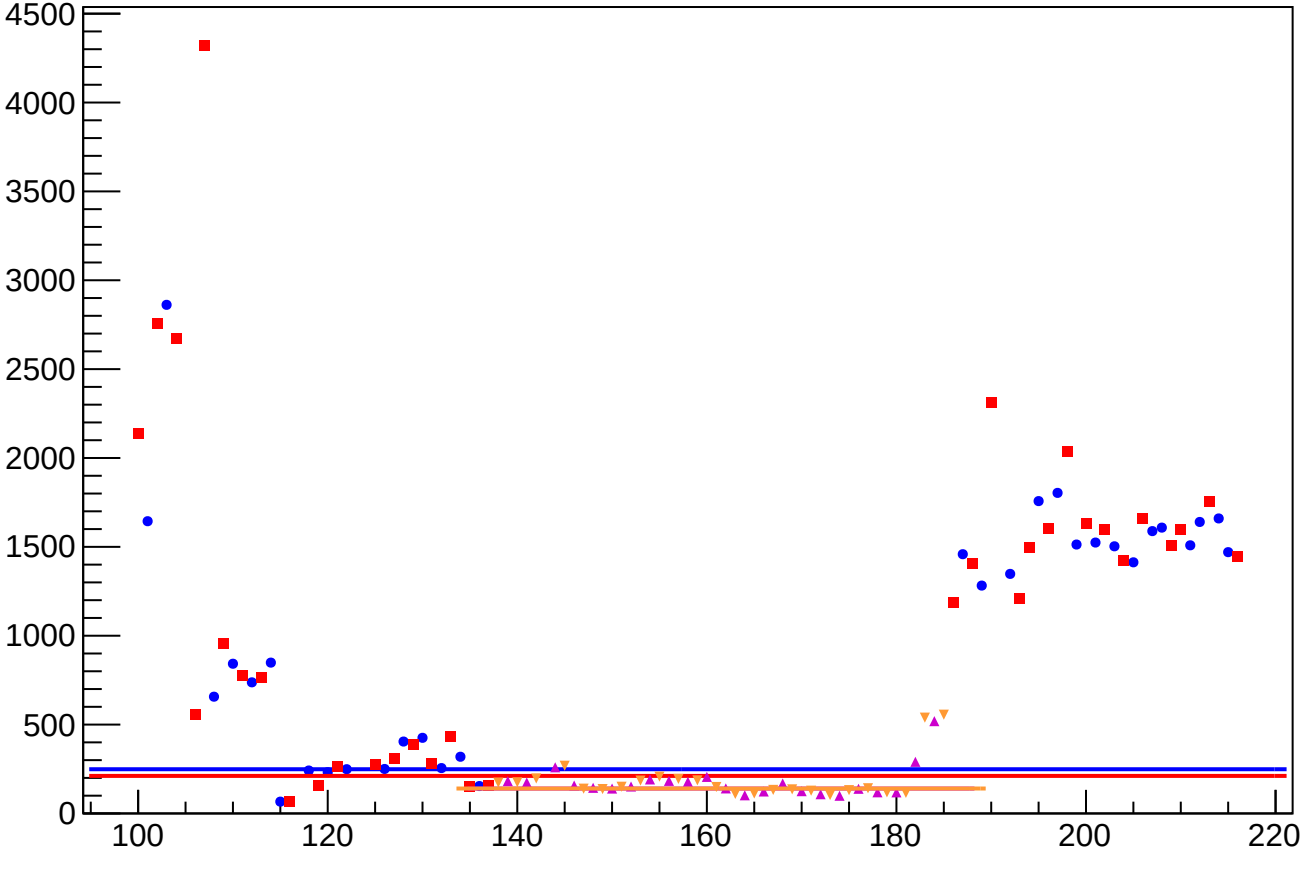
Right: 28.853+/-61.754 χ^2/NDF: 69.9/63

In: 53.804+/-31.994 χ^2/NDF:53.8/53

Out: -118.180+/-31.591 χ^2/NDF:90.5/56

All: -33.276+/-22.479 χ^2/NDF: 159.0/110

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: 211.290+/-0.060 χ^2/NDF: 25498102.3/32

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

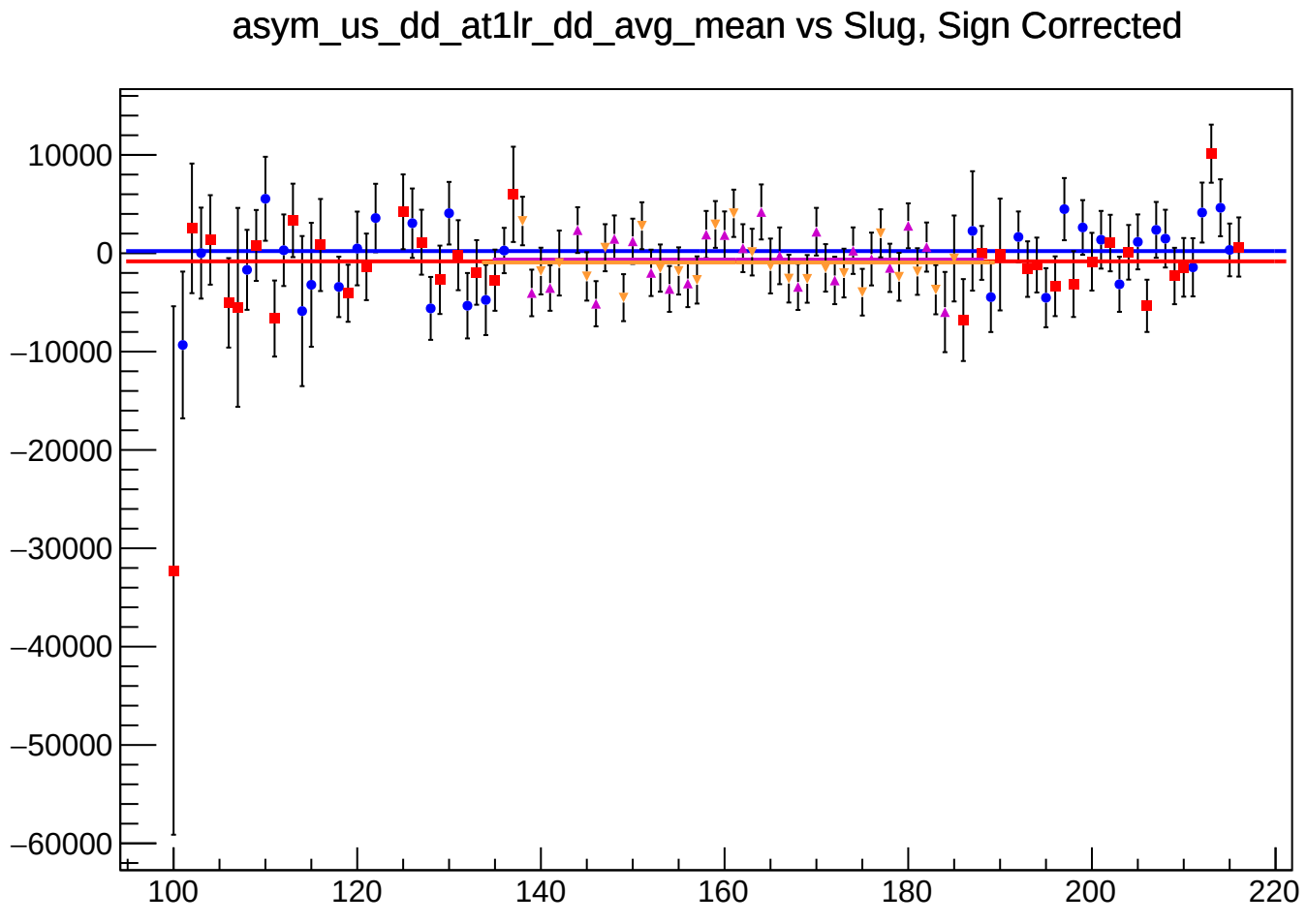
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 228.782+/-0.044 χ^2/NDF: 48800930.0/63

In: 153.594+/-0.023 χ^2/NDF:28064888.6/53

Out: 150.236+/-0.022 χ^2/NDF:29471760.8/56

All: 151.894+/-0.016 χ^2/NDF: 57547804.4/1



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: -820.901+/-597.597 χ^2/NDF: 34.1/32

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

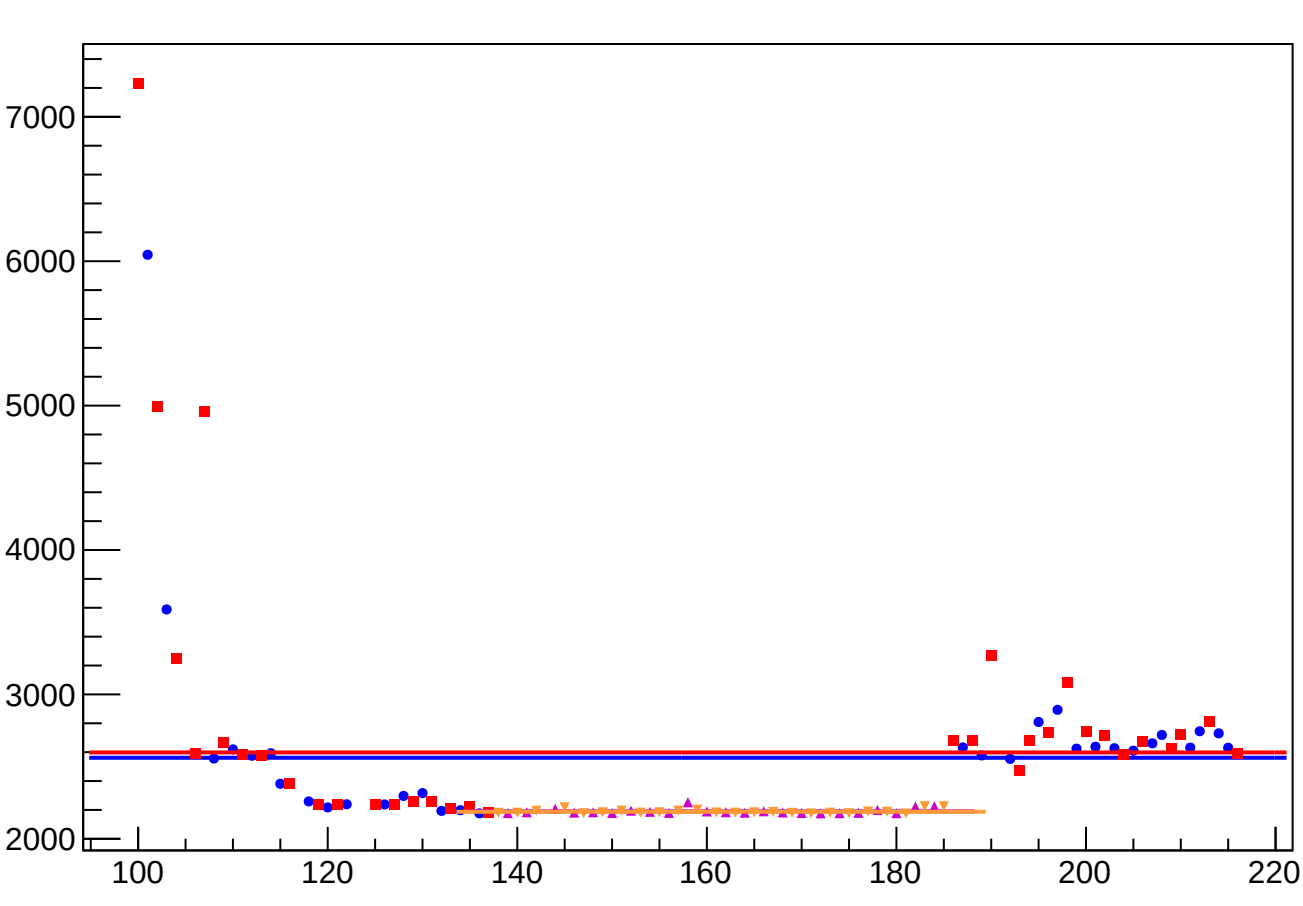
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -292.339+/-419.623 χ^2/NDF: 66.4/63

In: -271.457+/-386.246 χ^2/NDF:59.0/53

Out: -885.426+/-386.926 χ^2/NDF:56.5/56

All: -577.901+/-273.357 χ^2/NDF: 116.8/110



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: 2598.138+/-0.423 χ^2/NDF: 789725.0/32

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

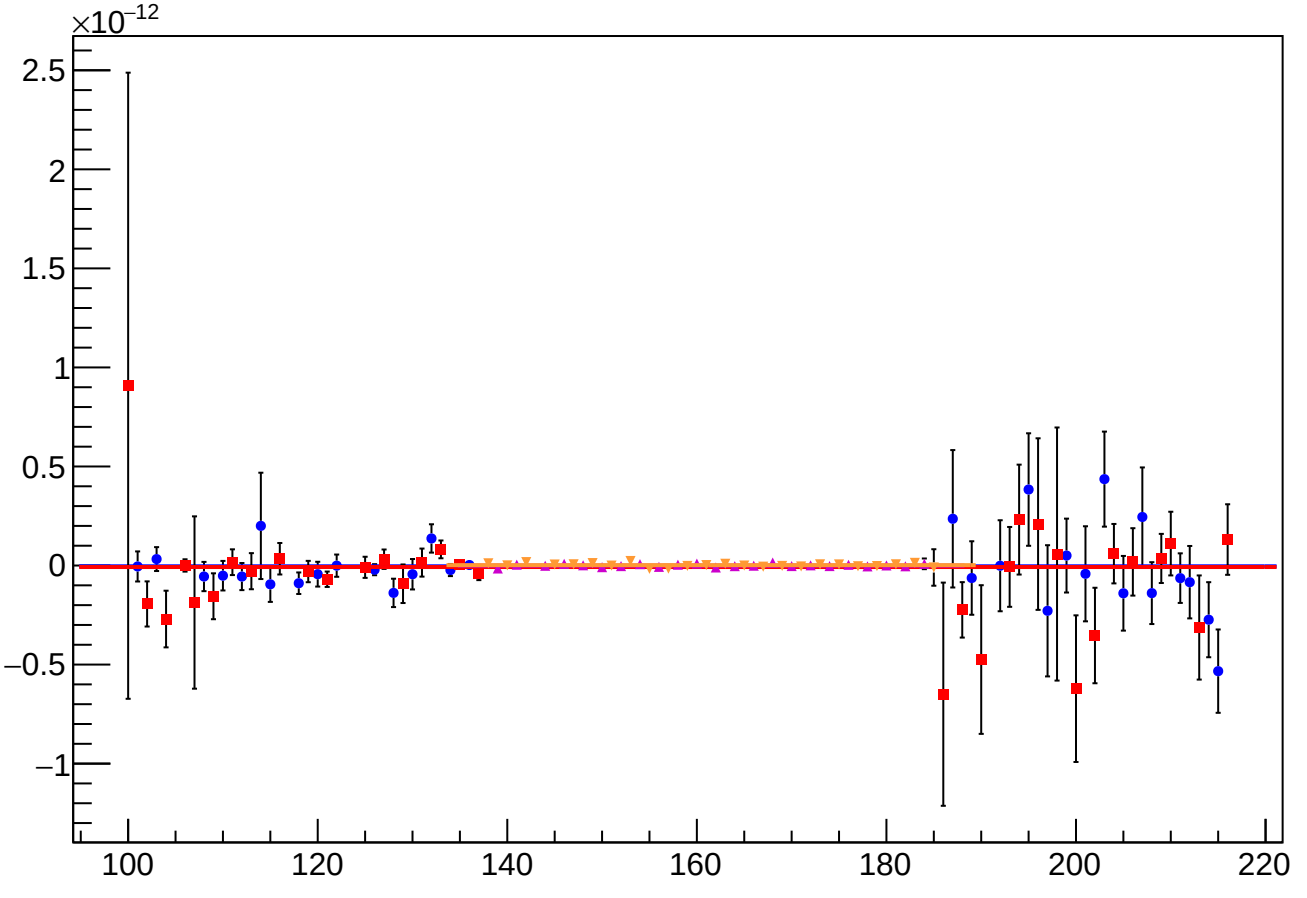
Right: 2579.442+/-0.297 χ^2/NDF: 1591500.6/63

In: 2349.549+/-0.273 χ^2/NDF:1252825.8/53

Out: 2359.717+/-0.274 χ^2/NDF:1339207.5/56

All: 2354.624+/-0.193 χ^2/NDF: 2592725.0/11

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 33.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/32

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

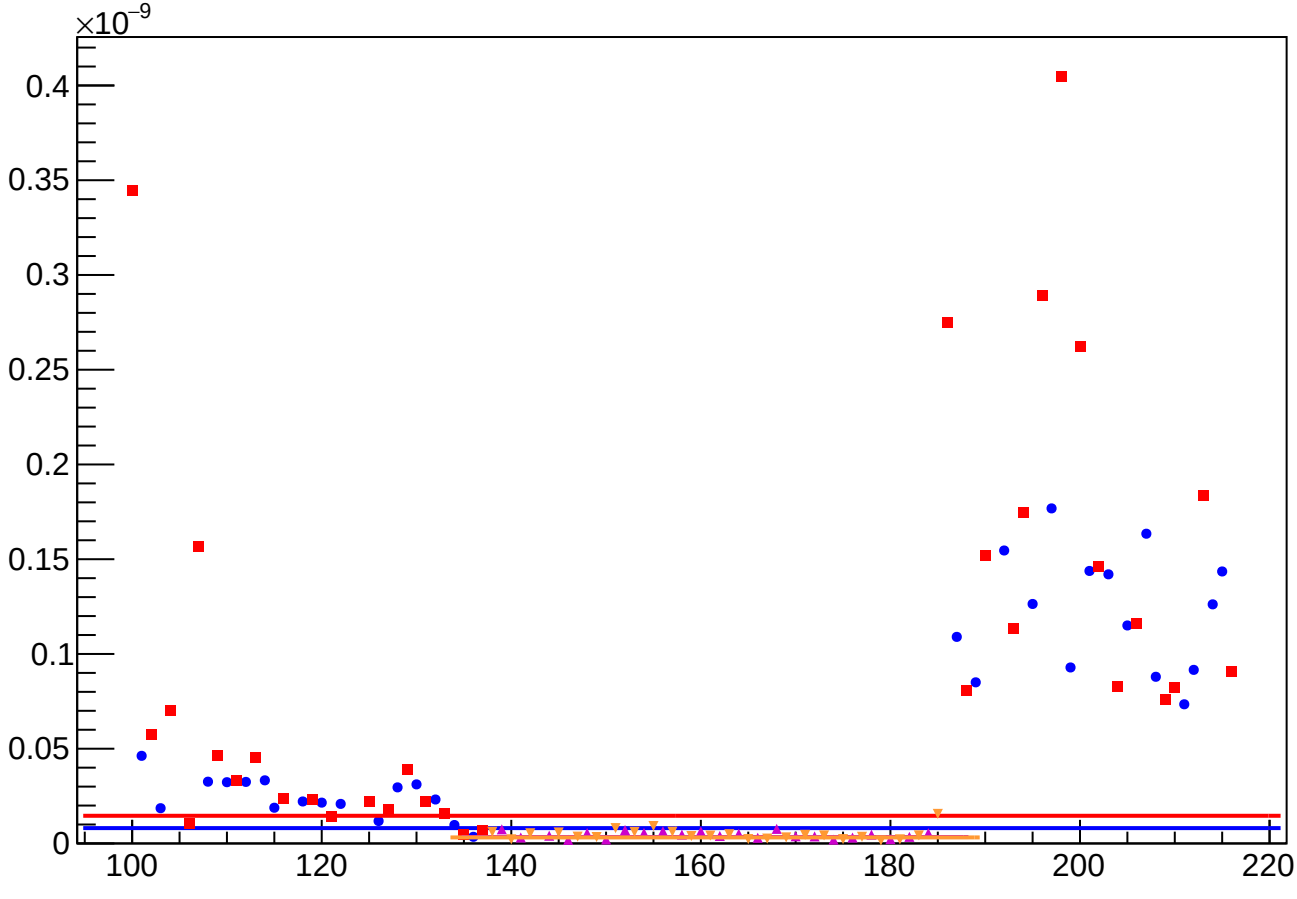
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 65.9/63

In: -0.000+/-0.000 χ^2/NDF:46.7/53

Out: 0.000+/-0.000 χ^2/NDF:53.2/56

All: 0.000+/-0.000 χ^2/NDF: 100.9/110



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: 11409188.8/32

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

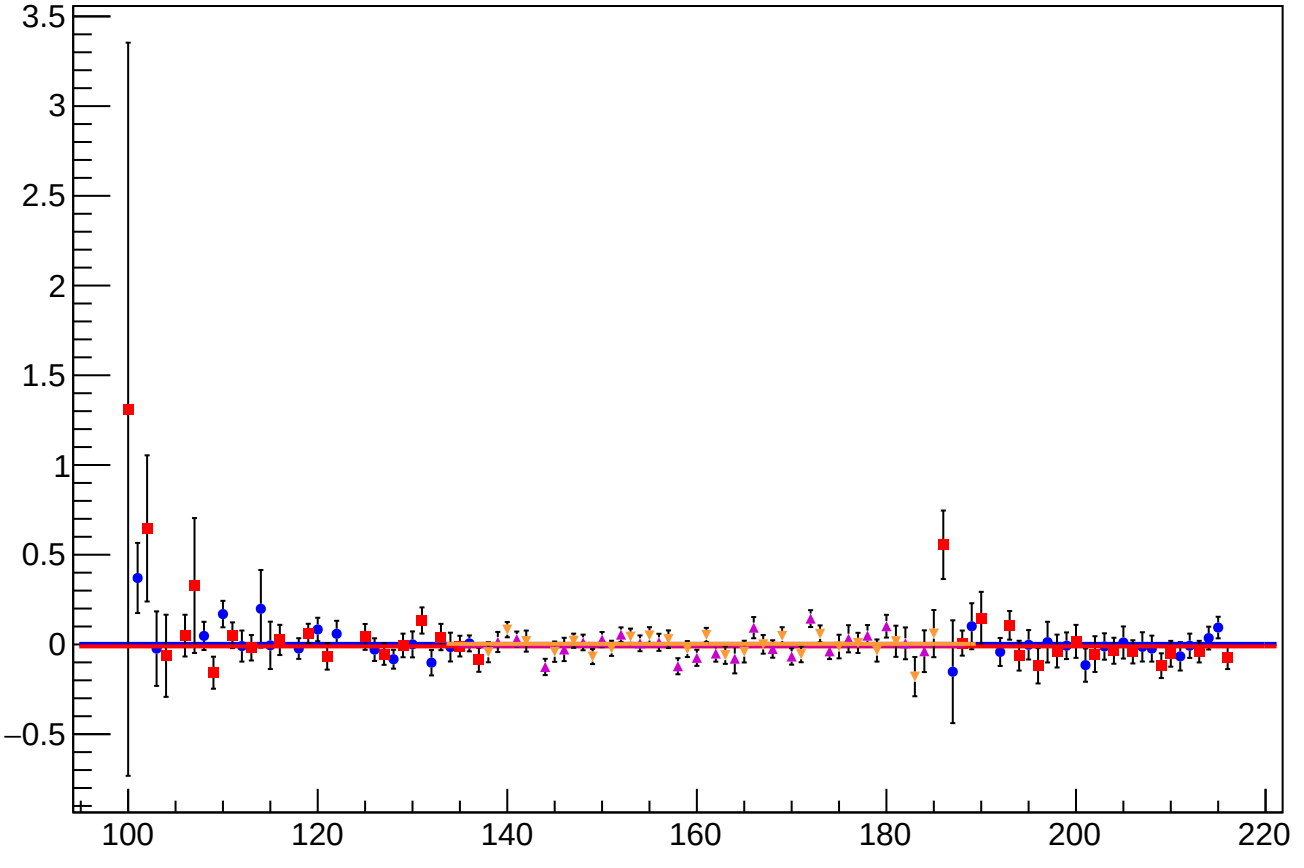
Right: 0.000+/-0.000 χ^2/NDF: 23400830.5/63

In: 0.000+/-0.000 χ^2/NDF:14111774.9/53

Out: 0.000+/-0.000 χ^2/NDF:16239727.7/56

All: 0.000+/-0.000 χ^2/NDF: 30376686.1/110

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: -0.011+/-0.014 χ^2/NDF: 35.3/32

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

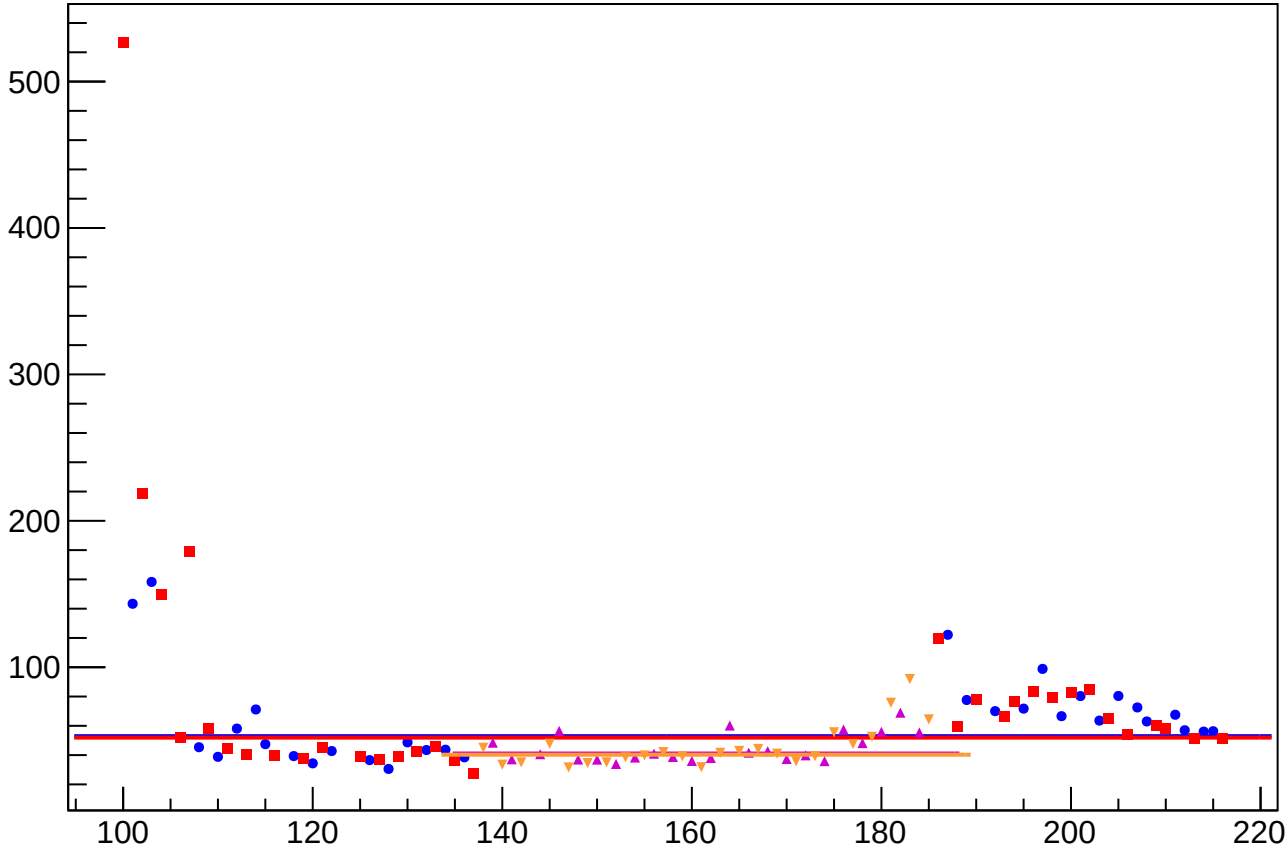
Right: -0.004+/-0.010 χ^2/NDF: 59.5/63

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.002+/-0.008 χ^2/NDF:57.8/56

All: -0.002+/-0.006 χ^2/NDF: 123.2/110

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: 51.941+/-0.010 χ^2/NDF: 3573357.4/32

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

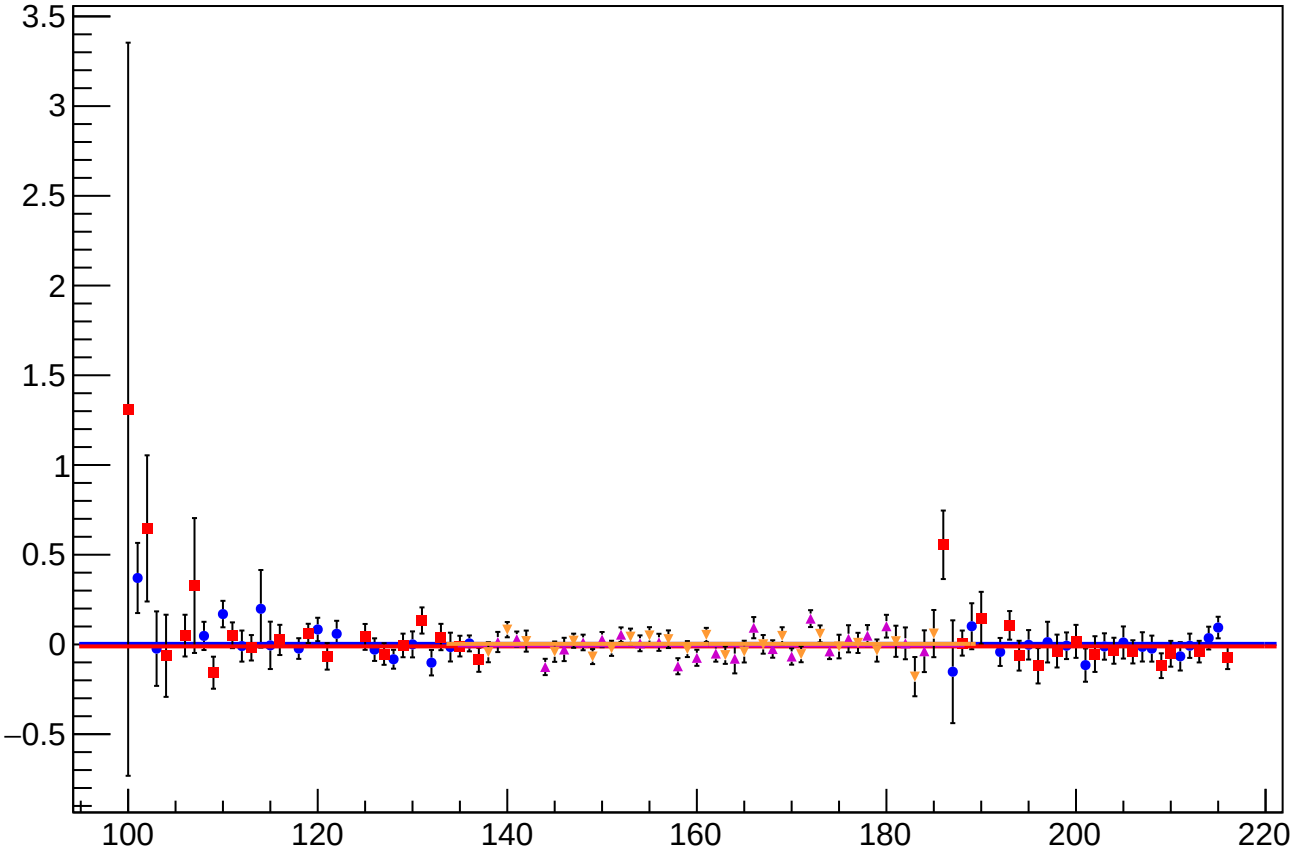
Right: 52.446+/-0.007 χ^2/NDF: 7161833.7/63

In: 45.498+/-0.006 χ^2/NDF:5449102.1/53

Out: 44.495+/-0.006 χ^2/NDF:5977463.0/56

All: 44.991+/-0.004 χ^2/NDF: 11441072.8/110

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: -0.011+/-0.014 χ^2/NDF: 35.3/32

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

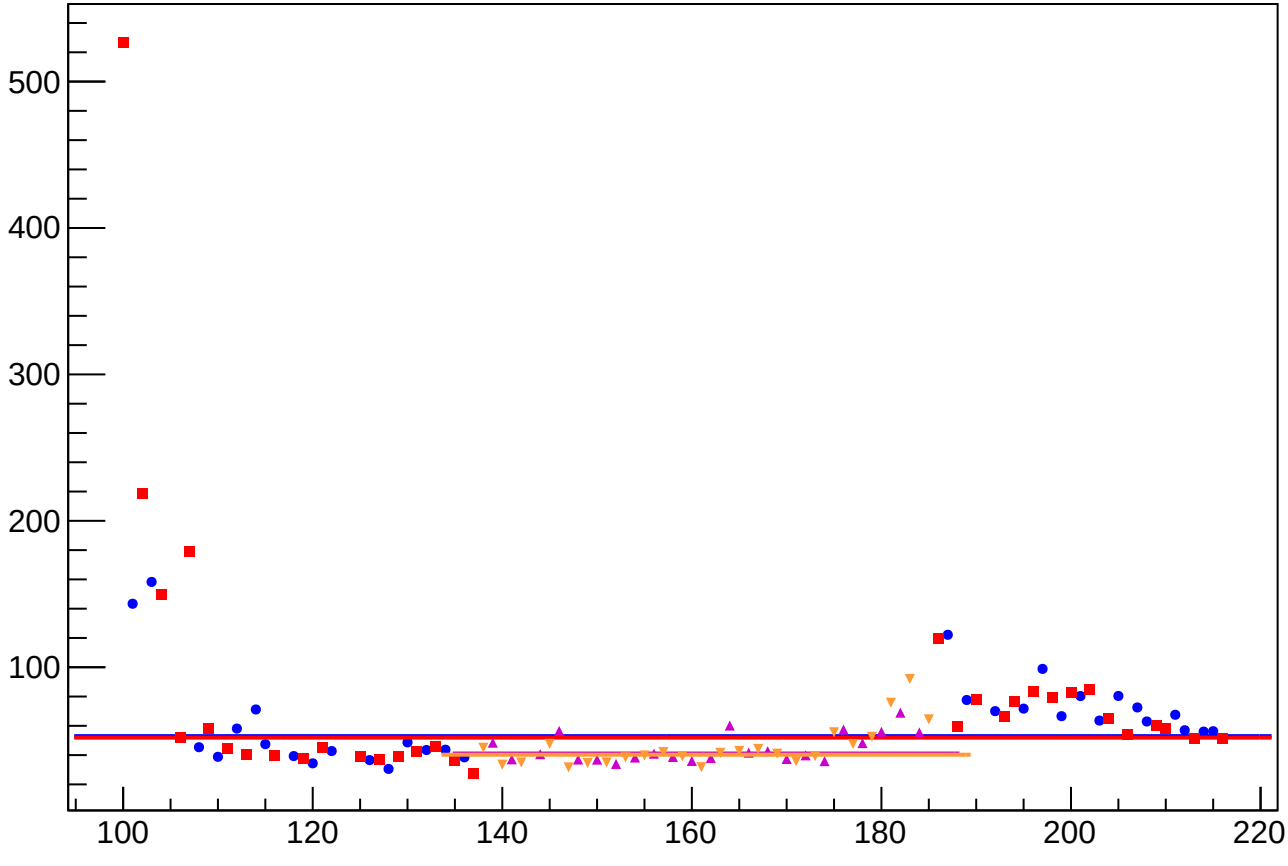
Right: -0.004+/-0.010 χ^2/NDF: 59.5/63

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.002+/-0.008 χ^2/NDF:57.8/56

All: -0.002+/-0.006 χ^2/NDF: 123.2/110

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: 51.941+/-0.010 χ^2/NDF: 3573357.4/32

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

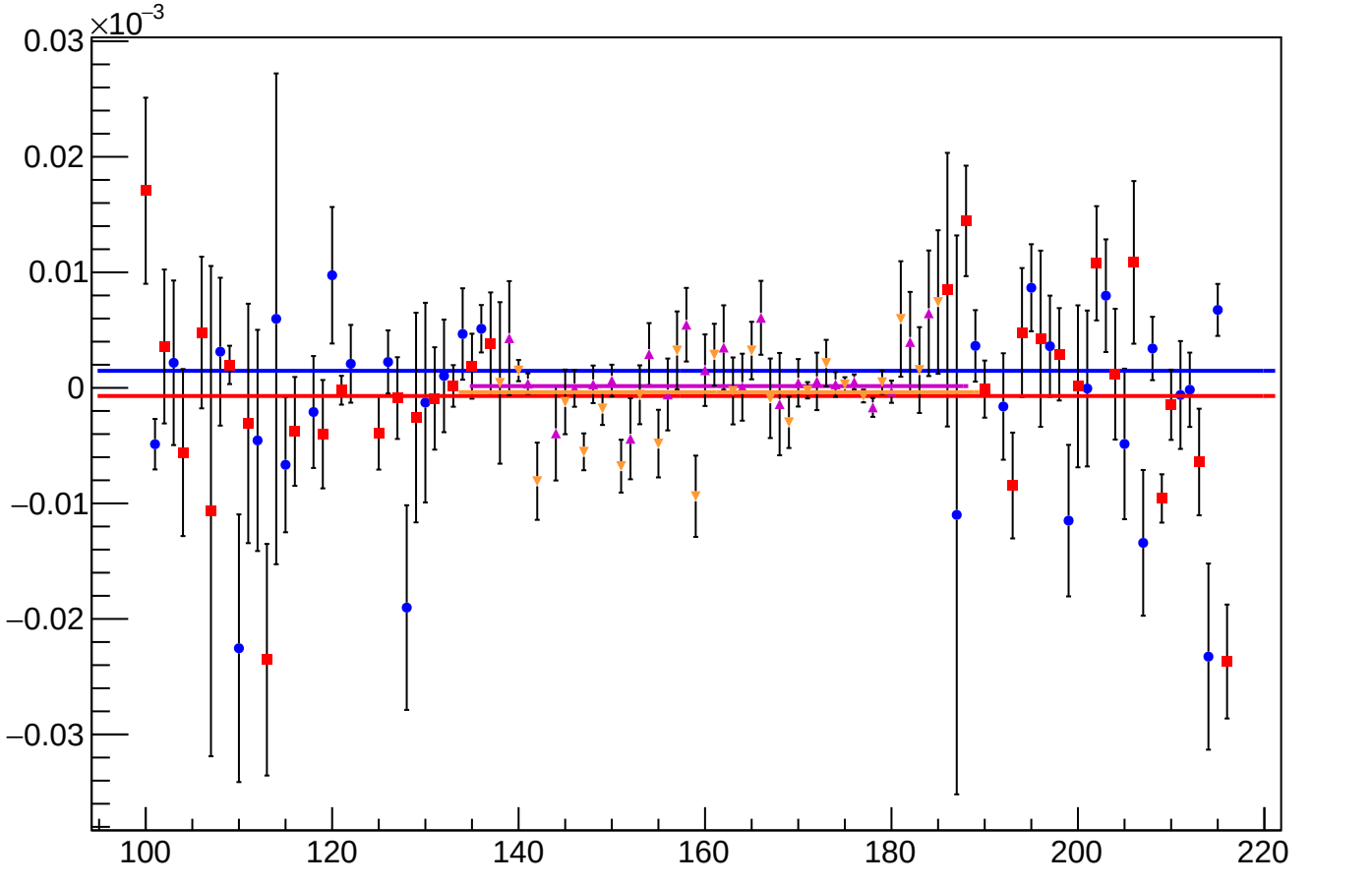
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 52.446+/-0.007 χ^2/NDF: 7161833.7/63

In: 45.498+/-0.006 χ^2/NDF:5449102.1/53

Out: 44.495+/-0.006 χ^2/NDF:5977463.0/56

All: 44.991+/-0.004 χ^2/NDF: 11441072.8/110



Right In: 0.000+/-0.000 χ^2/NDF: 60.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 84.1/32

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

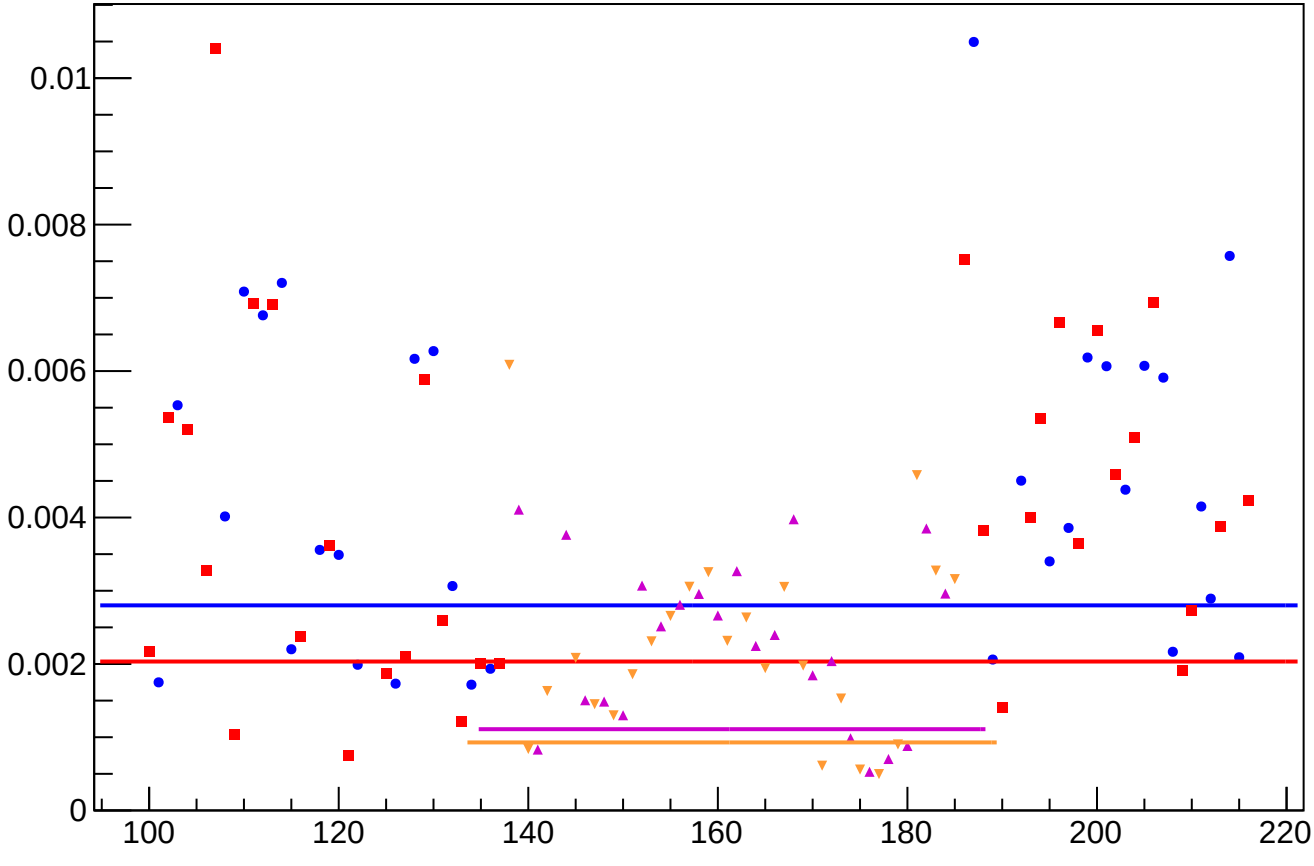
Right: 0.000+/-0.000 χ^2/NDF: 149.7/63

In: 0.000+/-0.000 χ^2/NDF:82.9/53

Out: -0.000+/-0.000 χ^2/NDF:135.5/56

All: -0.000+/-0.000 χ^2/NDF: 222.6/110

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: 12784816.1/32

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

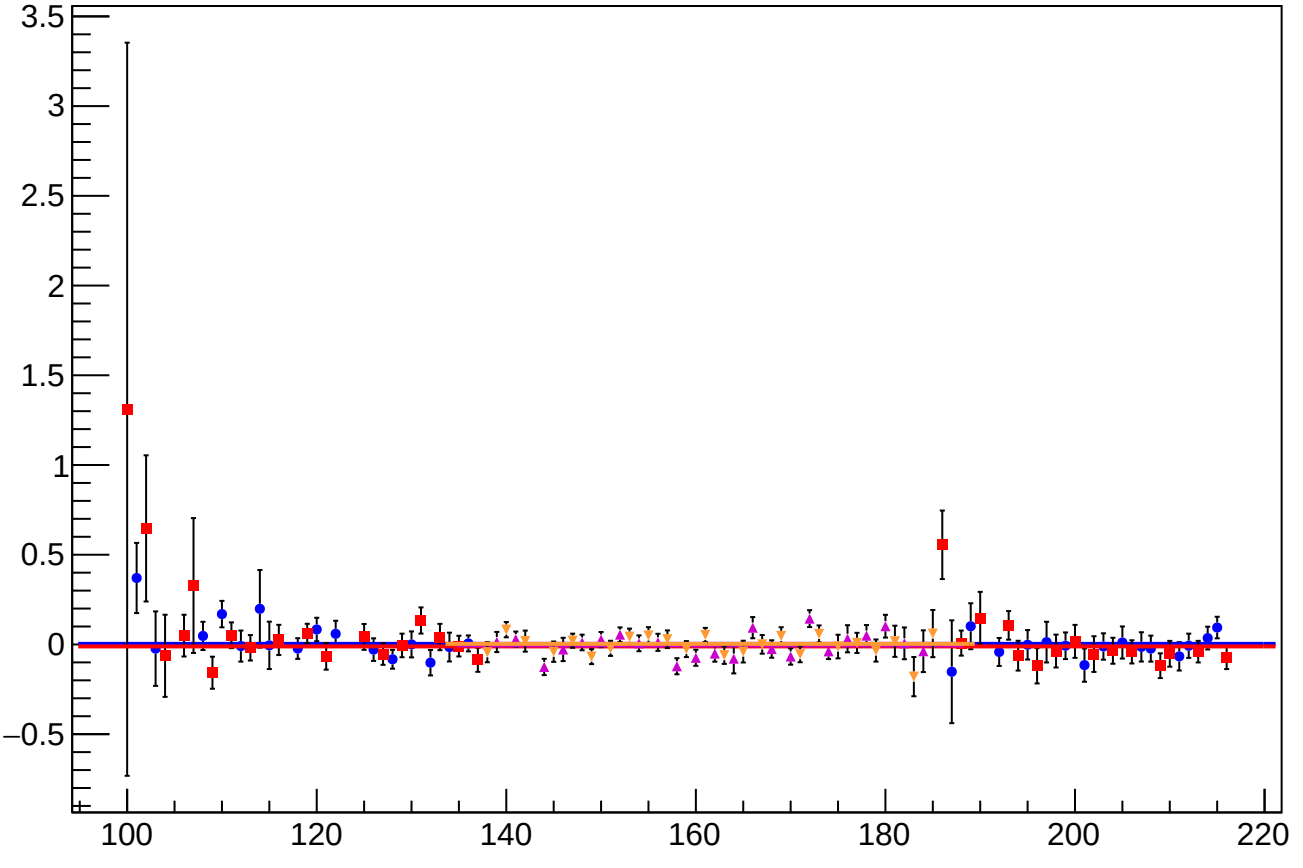
Right: 0.002+/-0.000 χ^2/NDF: 21417039.7/63

In: 0.001+/-0.000 χ^2/NDF:27201034.8/53

Out: 0.001+/-0.000 χ^2/NDF:31027328.3/56

All: 0.001+/-0.000 χ^2/NDF: 59080453.4/110

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: -0.011+/-0.014 χ^2/NDF: 35.3/32

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

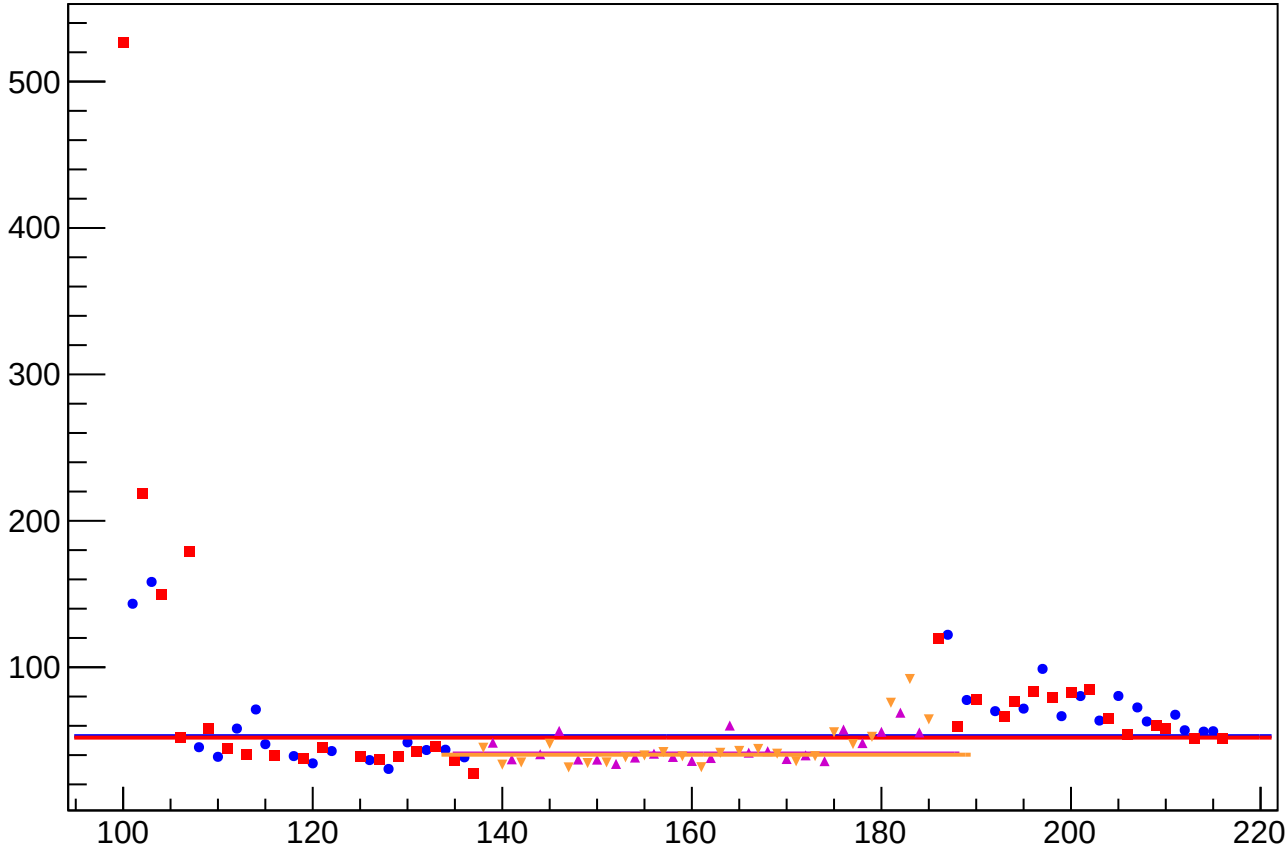
Right: -0.004+/-0.010 χ^2/NDF: 59.5/63

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.002+/-0.008 χ^2/NDF:57.8/56

All: -0.002+/-0.006 χ^2/NDF: 123.2/110

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: 51.942+/-0.010 χ^2/NDF: 3573320.4/32

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

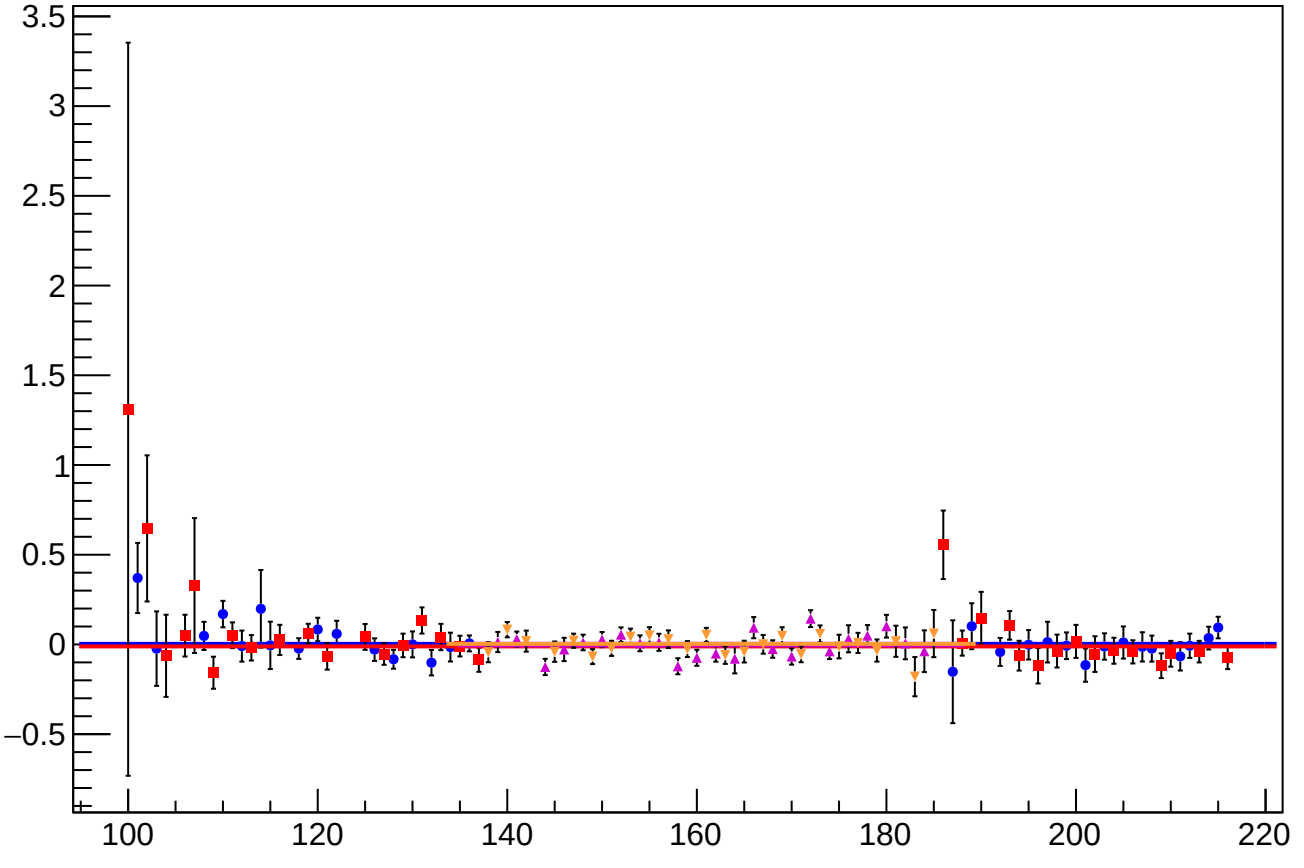
Right: 52.445+/-0.007 χ^2/NDF: 7162417.0/63

In: 45.497+/-0.006 χ^2/NDF:5449532.2/53

Out: 44.495+/-0.006 χ^2/NDF:5977485.1/56

All: 44.991+/-0.004 χ^2/NDF: 11441502.0/110

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: -0.011+/-0.014 χ^2/NDF: 35.3/32

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

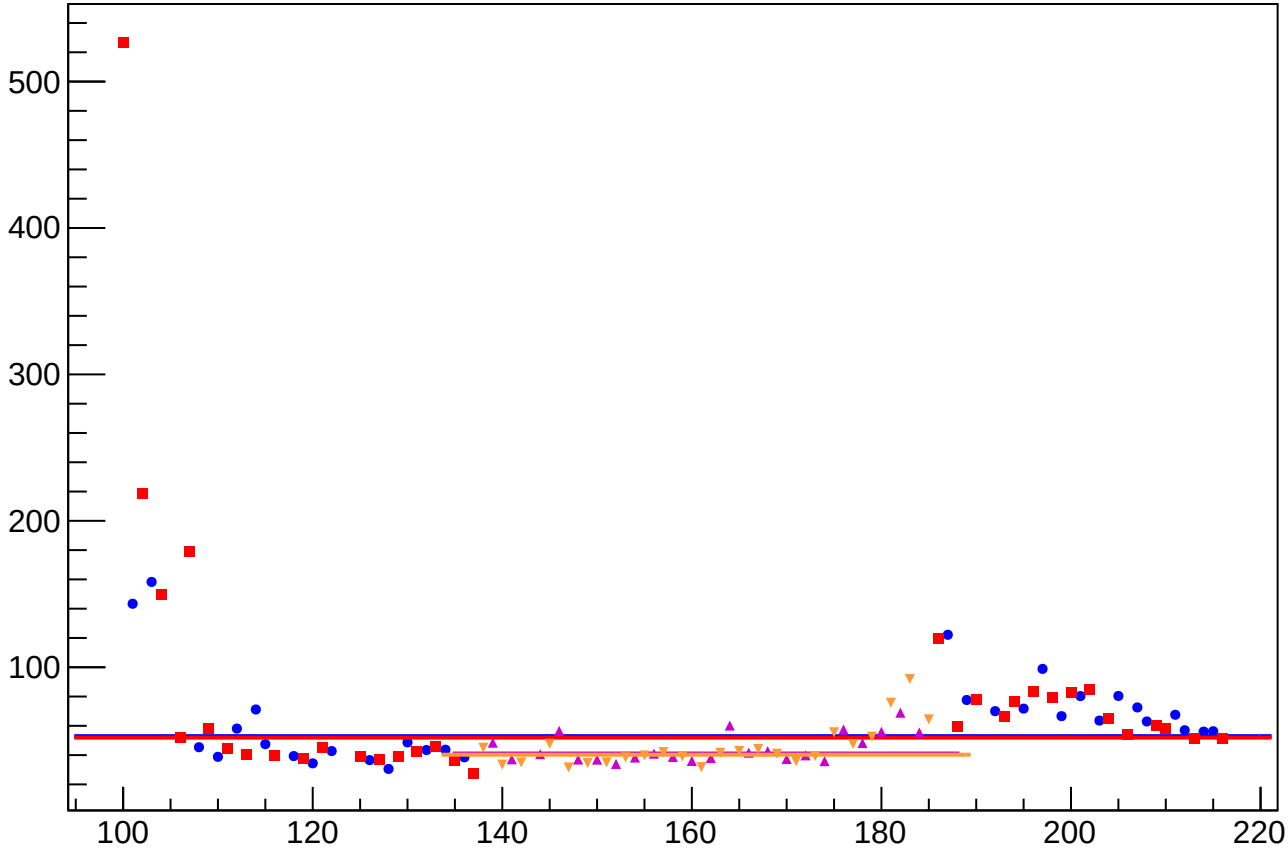
Right: -0.004+/-0.010 χ^2/NDF: 59.5/63

In: -0.002+/-0.008 χ^2/NDF:65.4/53

Out: -0.002+/-0.008 χ^2/NDF:57.8/56

All: -0.002+/-0.006 χ^2/NDF: 123.2/110

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: 51.942+/-0.010 χ^2/NDF: 3573320.4/32

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

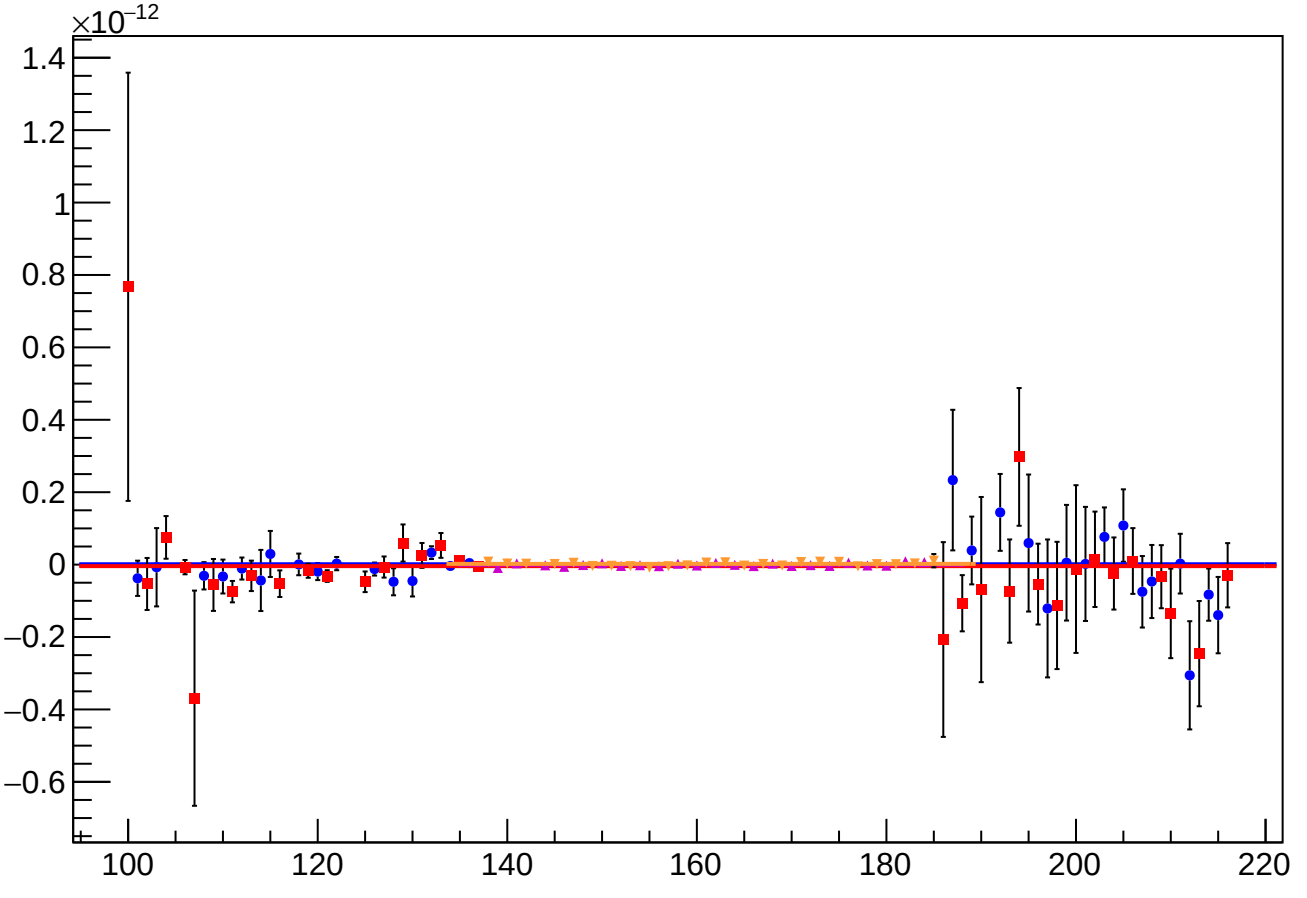
Right: 52.445+/-0.007 χ^2/NDF: 7162417.0/63

In: 45.497+/-0.006 χ^2/NDF:5449532.2/53

Out: 44.495+/-0.006 χ^2/NDF:5977485.1/56

All: 44.991+/-0.004 χ^2/NDF: 11441502.0/110

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: 38.7/32

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

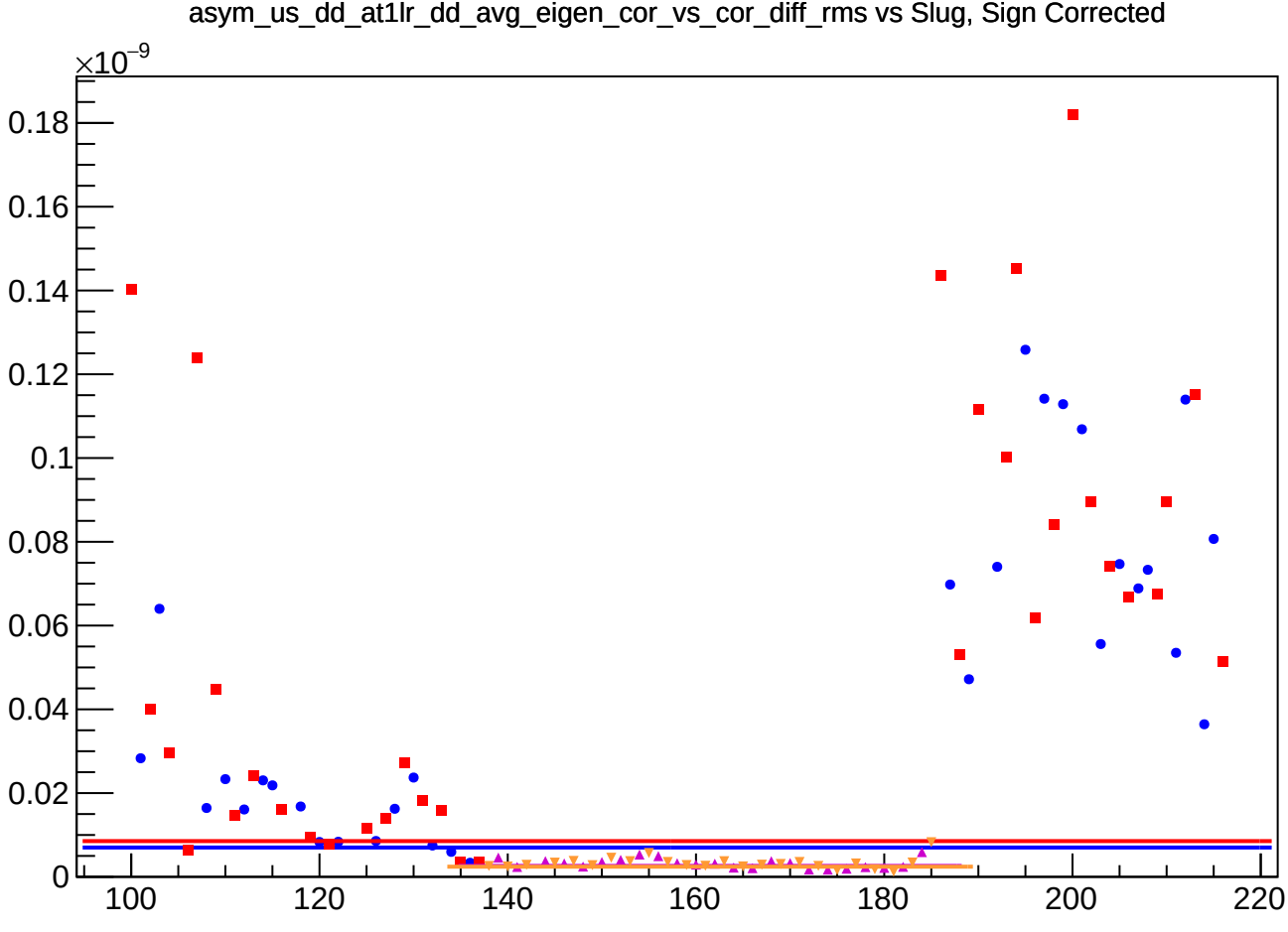
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

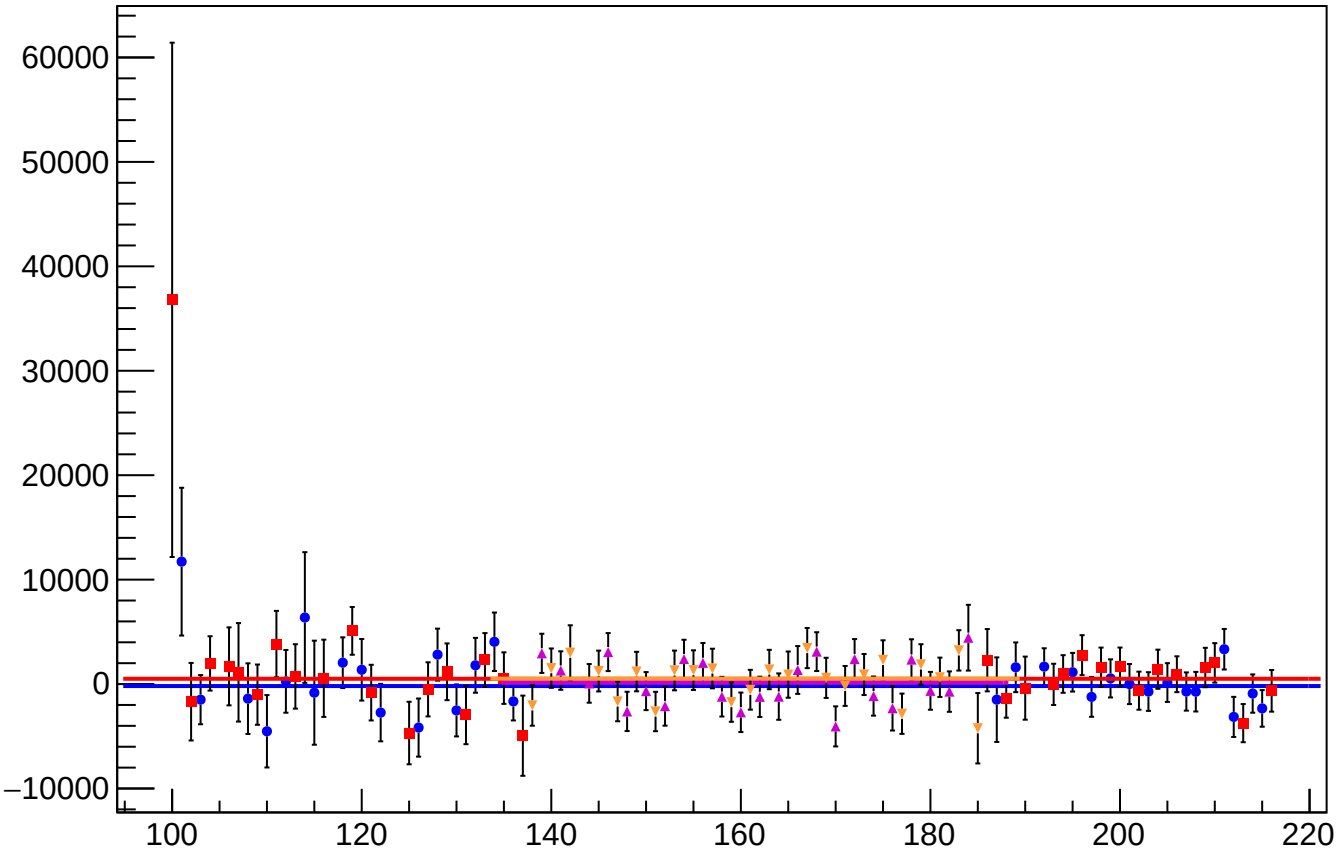
Right: -0.000+/-0.000 χ^2/NDF: 64.1/63

In: -0.000+/-0.000 χ^2/NDF:47.8/53

Out: 0.000+/-0.000 χ^2/NDF:65.6/56

All: 0.000+/-0.000 χ^2/NDF: 116.7/110


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: 15087862.4/32
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: 29416618.9/63
In: 0.000+/-0.000 χ²/NDF:18591090.7/53
Out: 0.000+/-0.000 χ²/NDF:21181861.5/56
All: 0.000+/-0.000 χ²/NDF: 39842308.5/110



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: 506.571+/-410.558 χ^2/NDF: 27.0/32

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

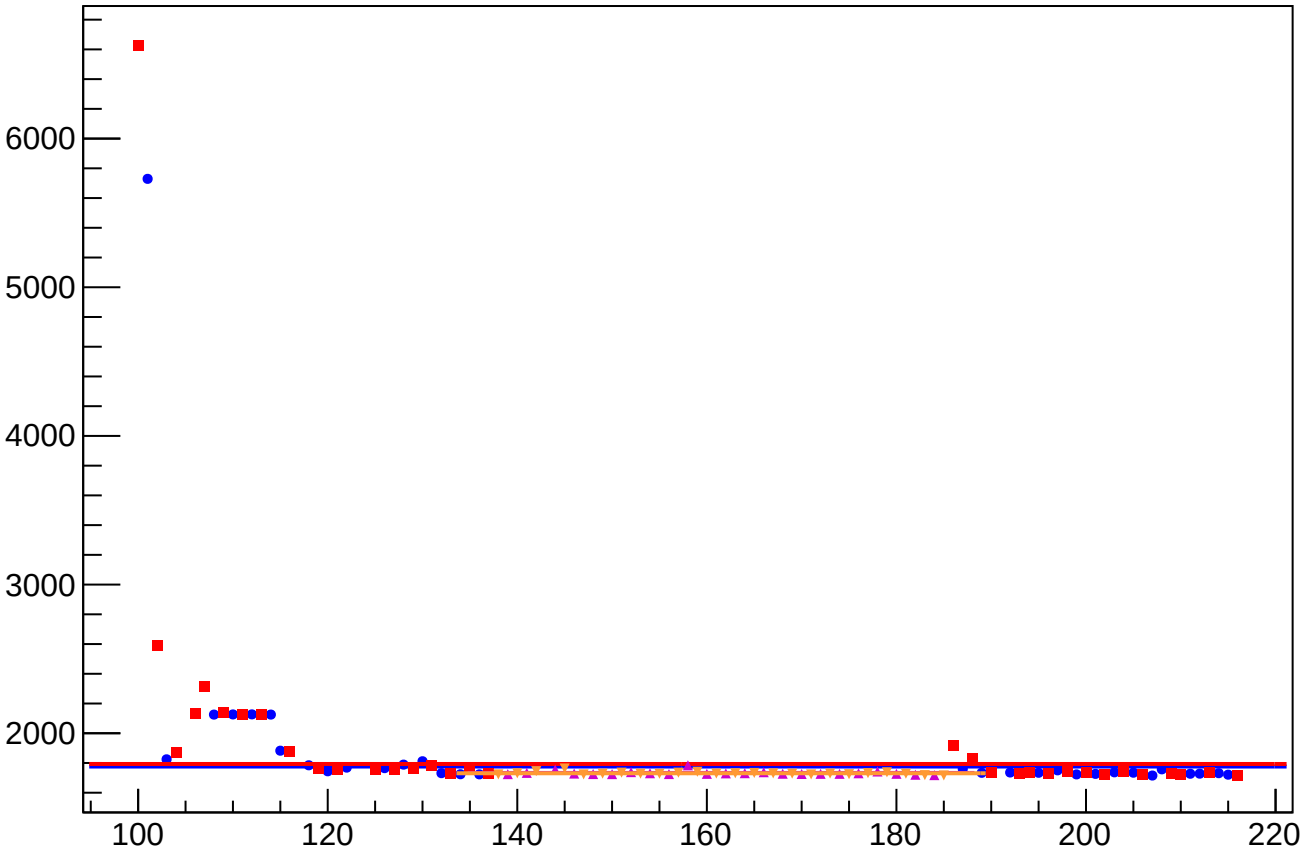
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 156.537+/-289.426 χ^2/NDF: 54.6/63

In: -30.285+/-287.326 χ^2/NDF:55.9/53

Out: 513.396+/-287.127 χ^2/NDF:47.7/56

All: 241.744+/-203.100 χ^2/NDF: 105.5/110



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: 1793.282+/-0.290 χ^2/NDF: 323118.7/32

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

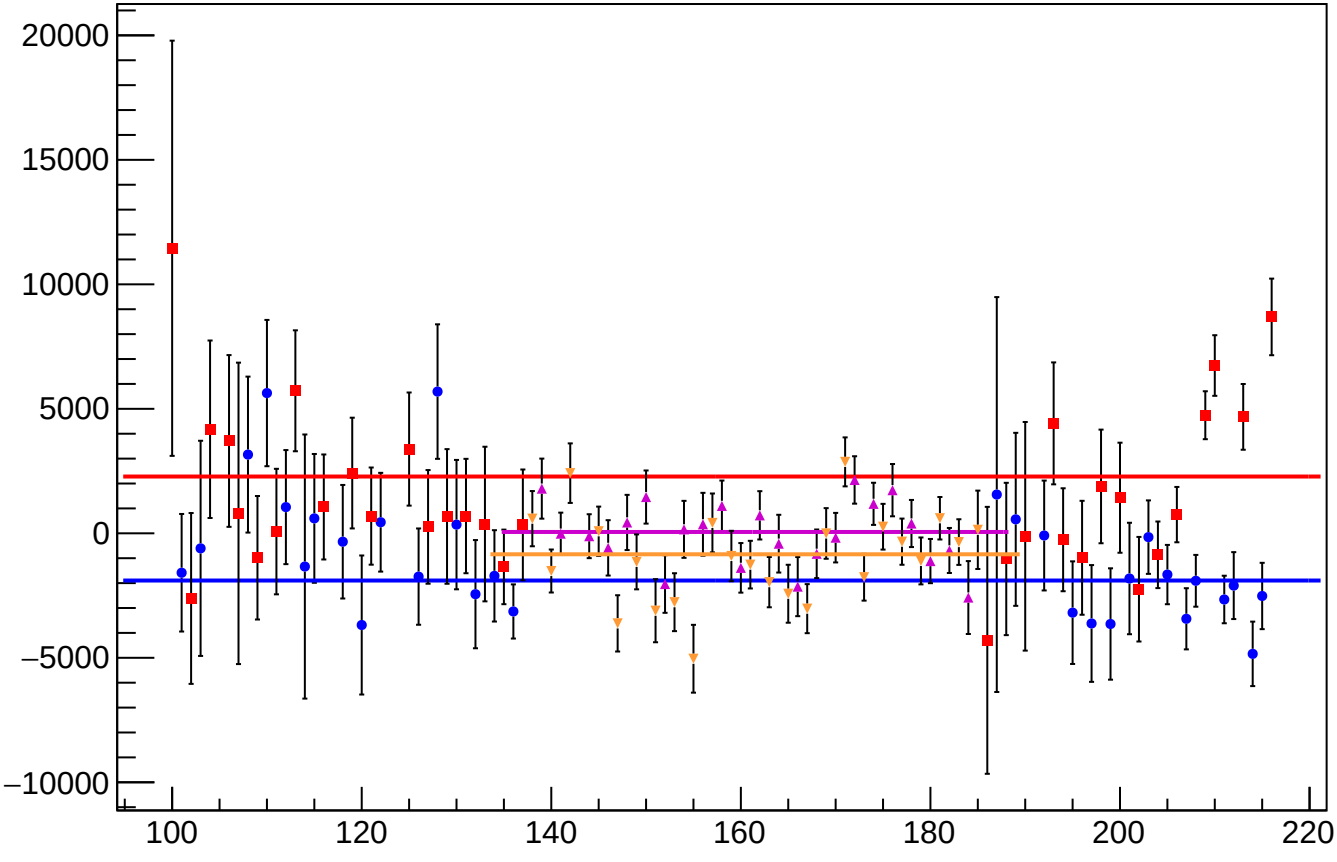
Right: 1784.673+/-0.205 χ^2/NDF: 1045951.0/63

In: 1754.405+/-0.203 χ^2/NDF:734603.6/53

Out: 1761.384+/-0.203 χ^2/NDF:347718.7/56

All: 1757.897+/-0.144 χ^2/NDF: 1082912.6/11

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: 2280.653+/-343.891 χ^2/NDF: 78.3/32

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

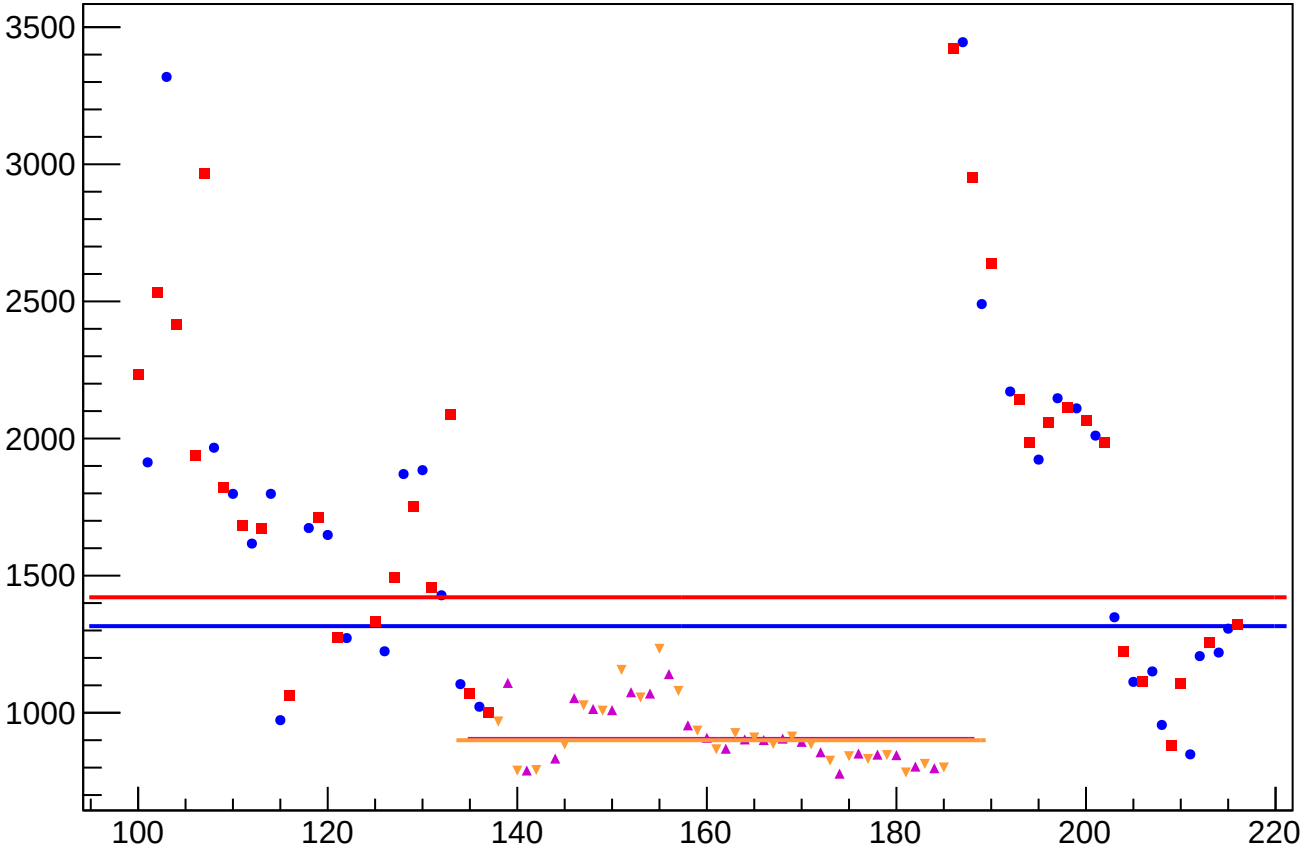
Right: 18.304+/-232.824 χ^2/NDF: 194.3/63

In: -554.260+/-176.665 χ^2/NDF:92.9/53

Out: 10.863+/-179.754 χ^2/NDF:200.9/56

All: -276.596+/-125.999 χ^2/NDF: 298.8/110

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: 1421.092+/-0.243 χ^2/NDF: 3960462.7/32

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

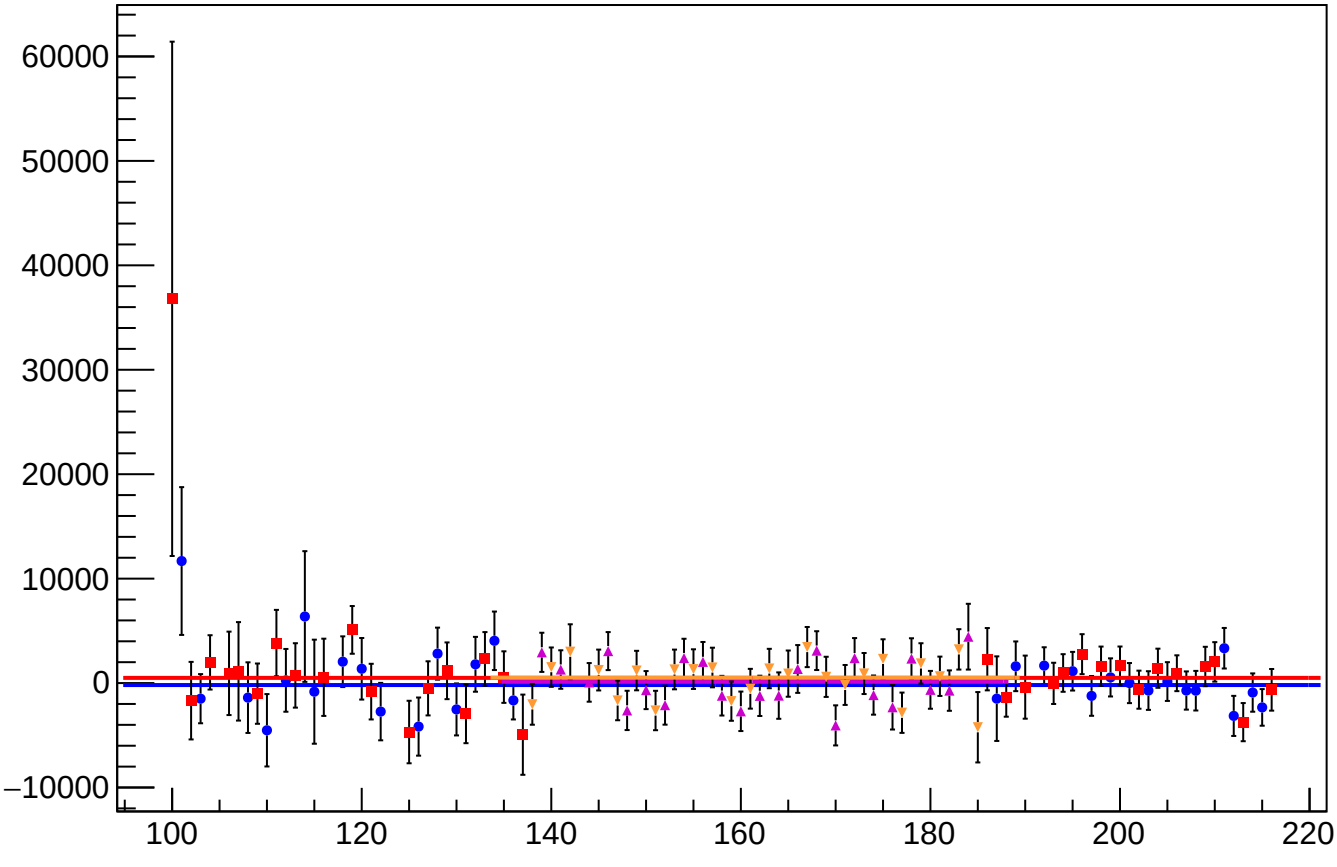
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1364.088+/-0.165 χ^2/NDF: 7669842.7/63

In: 1032.888+/-0.125 χ^2/NDF:6385315.8/53

Out: 1042.237+/-0.127 χ^2/NDF:7795698.7/56

All: 1037.482+/-0.089 χ^2/NDF: 14183766.6/1



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: 496.799+/-410.869 χ^2/NDF: 26.9/32

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

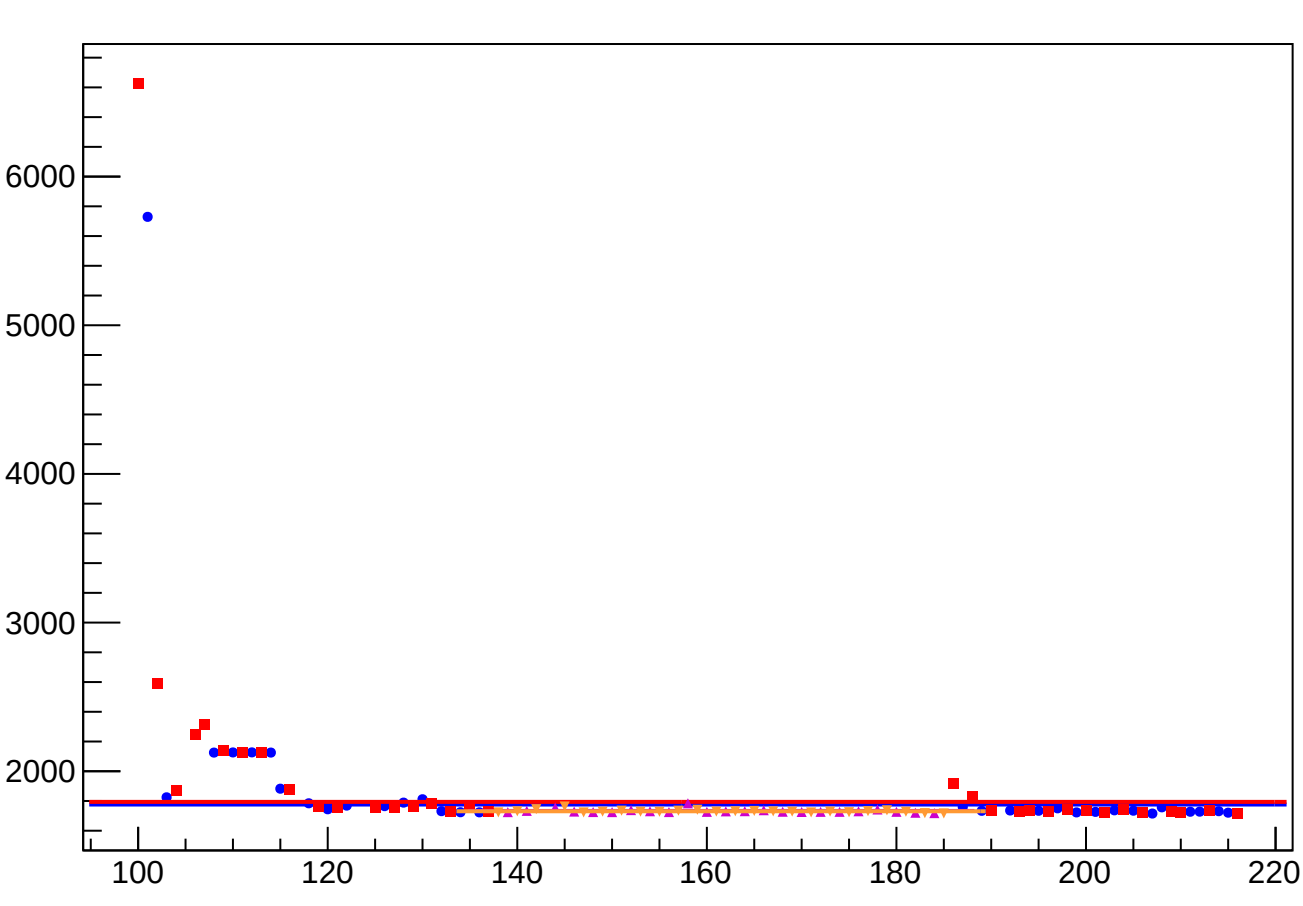
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 151.266+/-289.535 χ^2/NDF: 54.4/63

In: -30.408+/-287.326 χ^2/NDF:55.9/53

Out: 508.639+/-287.233 χ^2/NDF:47.7/56

All: 239.203+/-203.138 χ^2/NDF: 105.3/110



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: 1794.002+/-0.291 χ^2/NDF: 332677.1/32

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

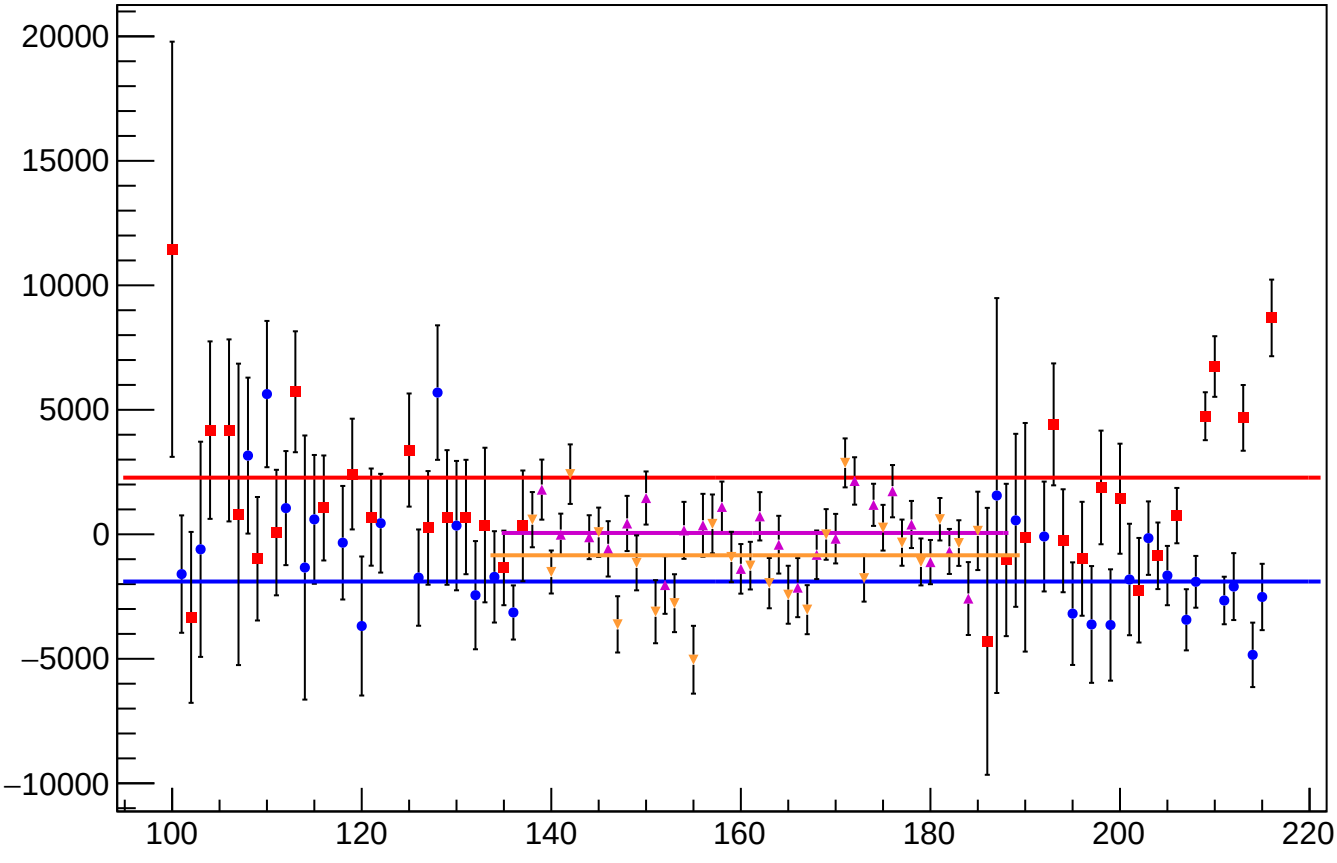
Right: 1785.025+/-0.205 χ^2/NDF: 1055658.1/63

In: 1754.405+/-0.203 χ^2/NDF:734603.4/53

Out: 1761.713+/-0.203 χ^2/NDF:357807.0/56

All: 1758.060+/-0.144 χ^2/NDF: 1093057.4/11

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: 2276.013+/-344.077 χ^2/NDF: 79.0/32

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

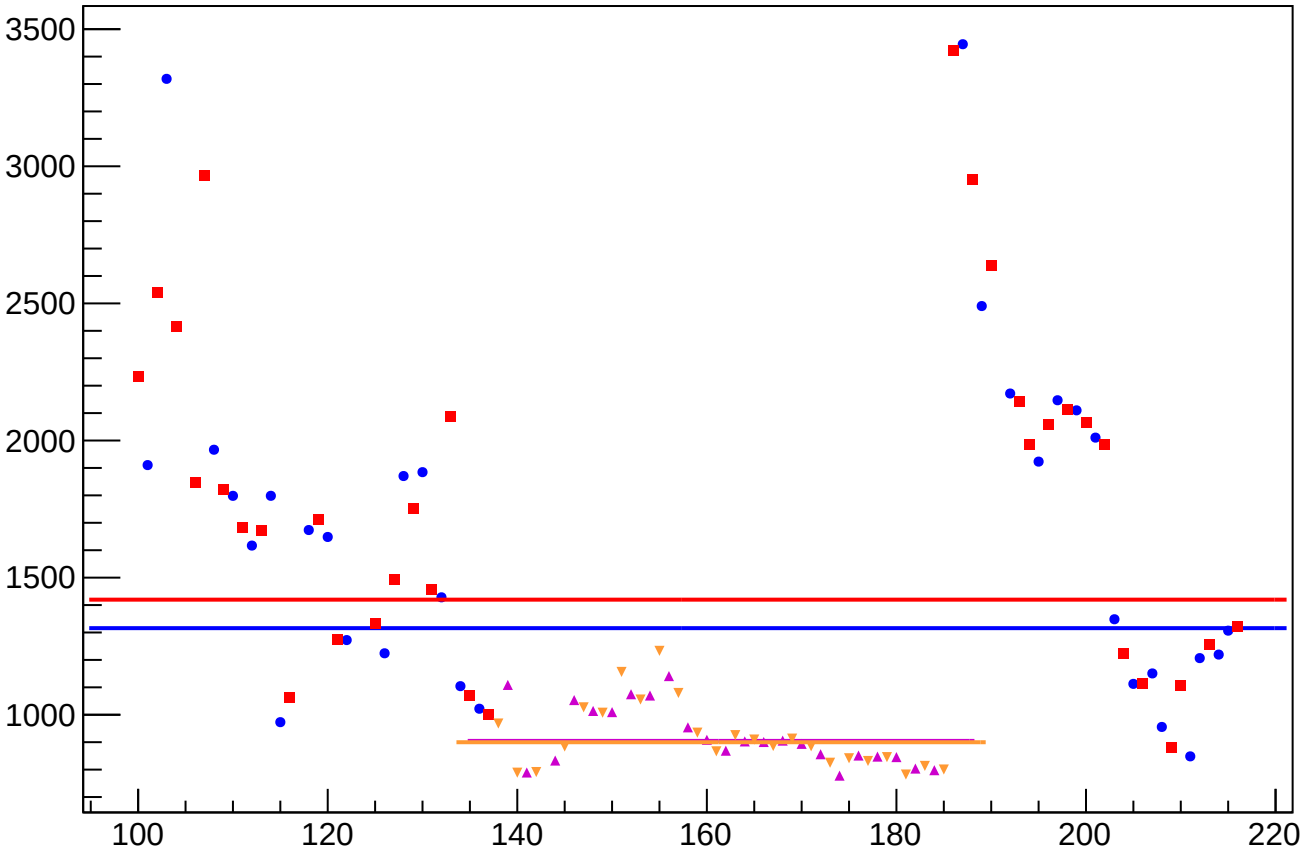
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: 14.890+/-232.878 χ^2/NDF: 194.8/63

In: -554.327+/-176.663 χ^2/NDF:92.9/53

Out: 8.901+/-179.781 χ^2/NDF:201.4/56

All: -277.639+/-126.008 χ^2/NDF: 299.3/110



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: 1419.736+/-0.243 χ^2/NDF: 3944403.7/32

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

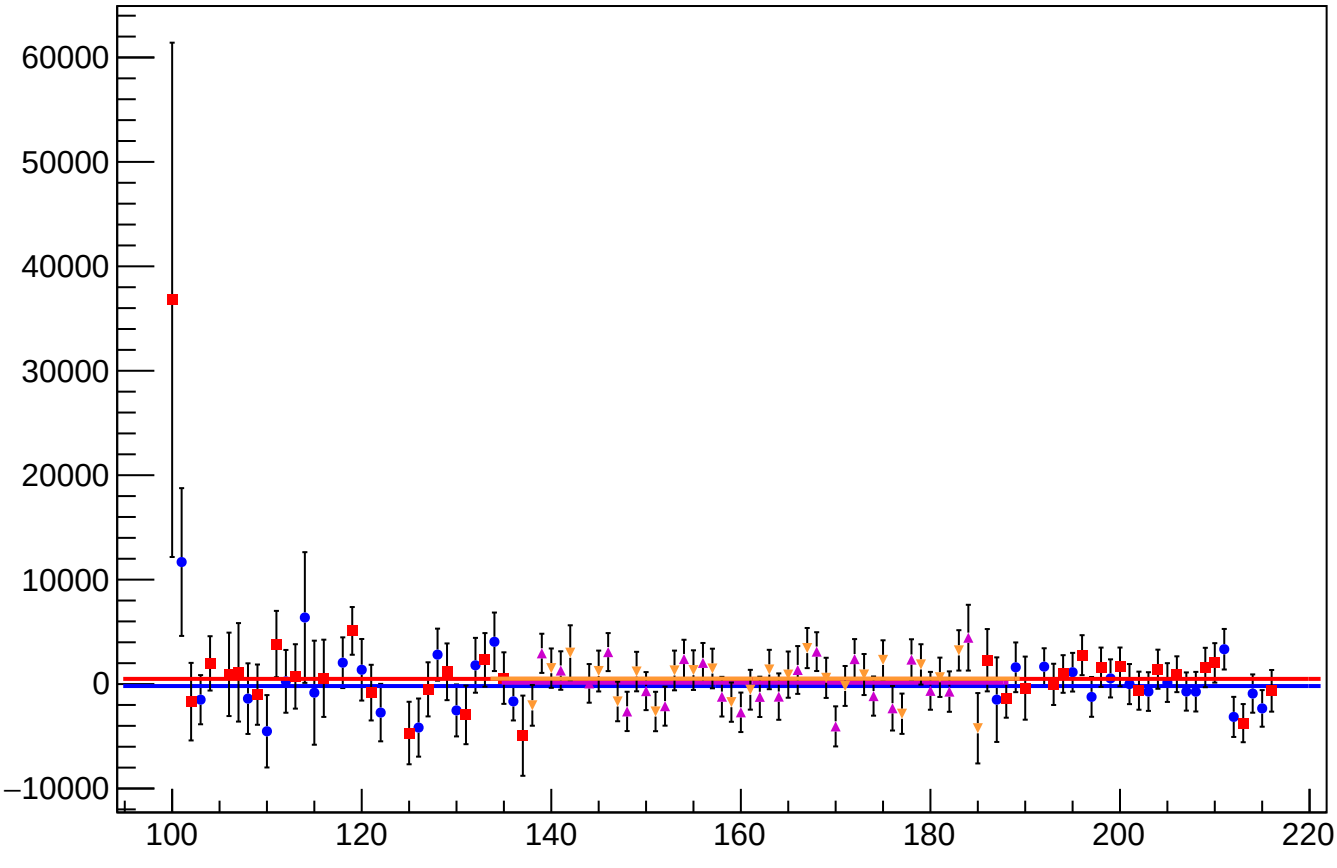
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1363.424+/-0.165 χ^2/NDF: 7650499.9/63

In: 1032.882+/-0.125 χ^2/NDF:6384501.1/53

Out: 1041.758+/-0.127 χ^2/NDF:7759577.6/56

All: 1037.242+/-0.089 χ^2/NDF: 14146558.3/1



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: 496.799+/-410.869 χ^2/NDF: 26.9/32

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

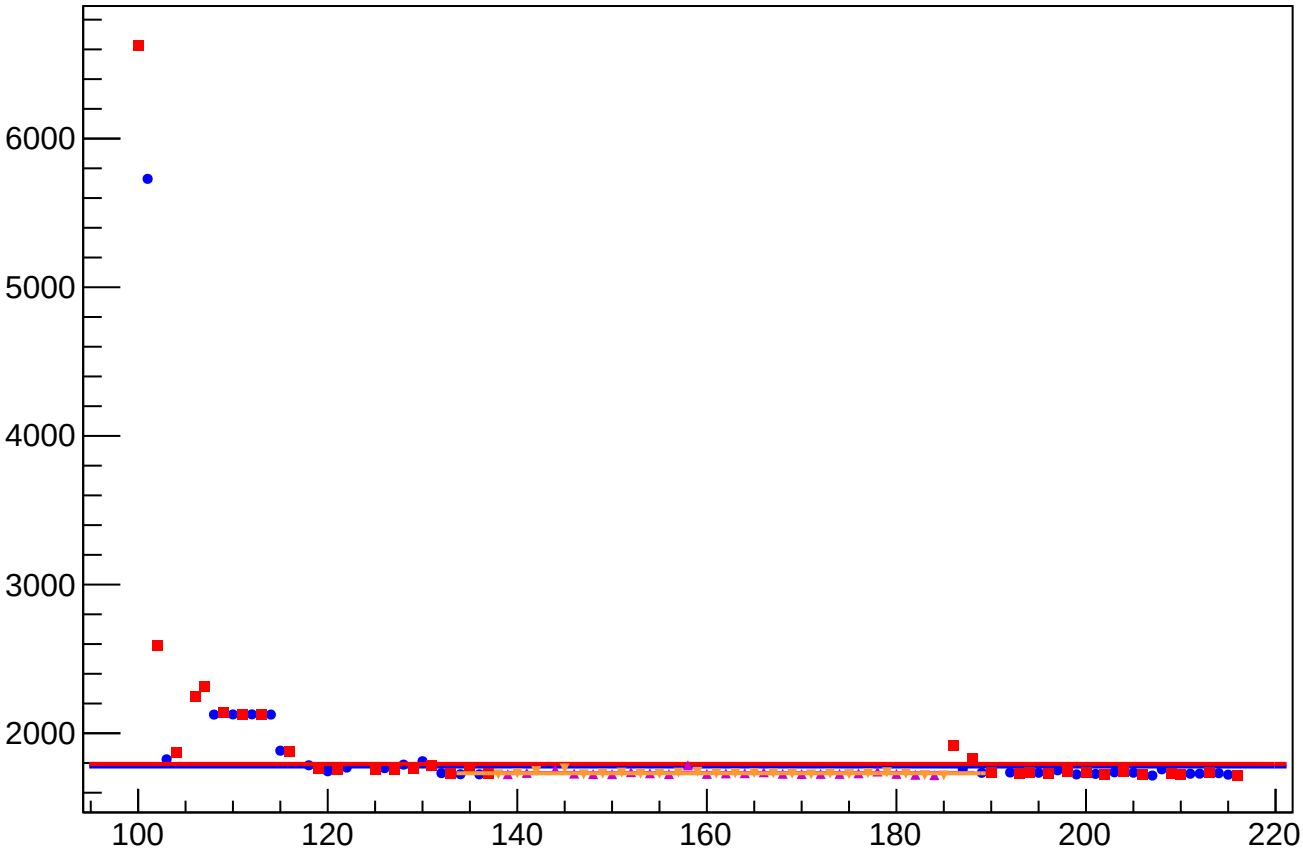
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 151.266+/-289.535 χ^2/NDF: 54.4/63

In: -30.408+/-287.326 χ^2/NDF:55.9/53

Out: 508.639+/-287.233 χ^2/NDF:47.7/56

All: 239.203+/-203.138 χ^2/NDF: 105.3/110



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: 1794.002+/-0.291 χ^2/NDF: 332677.1/32

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

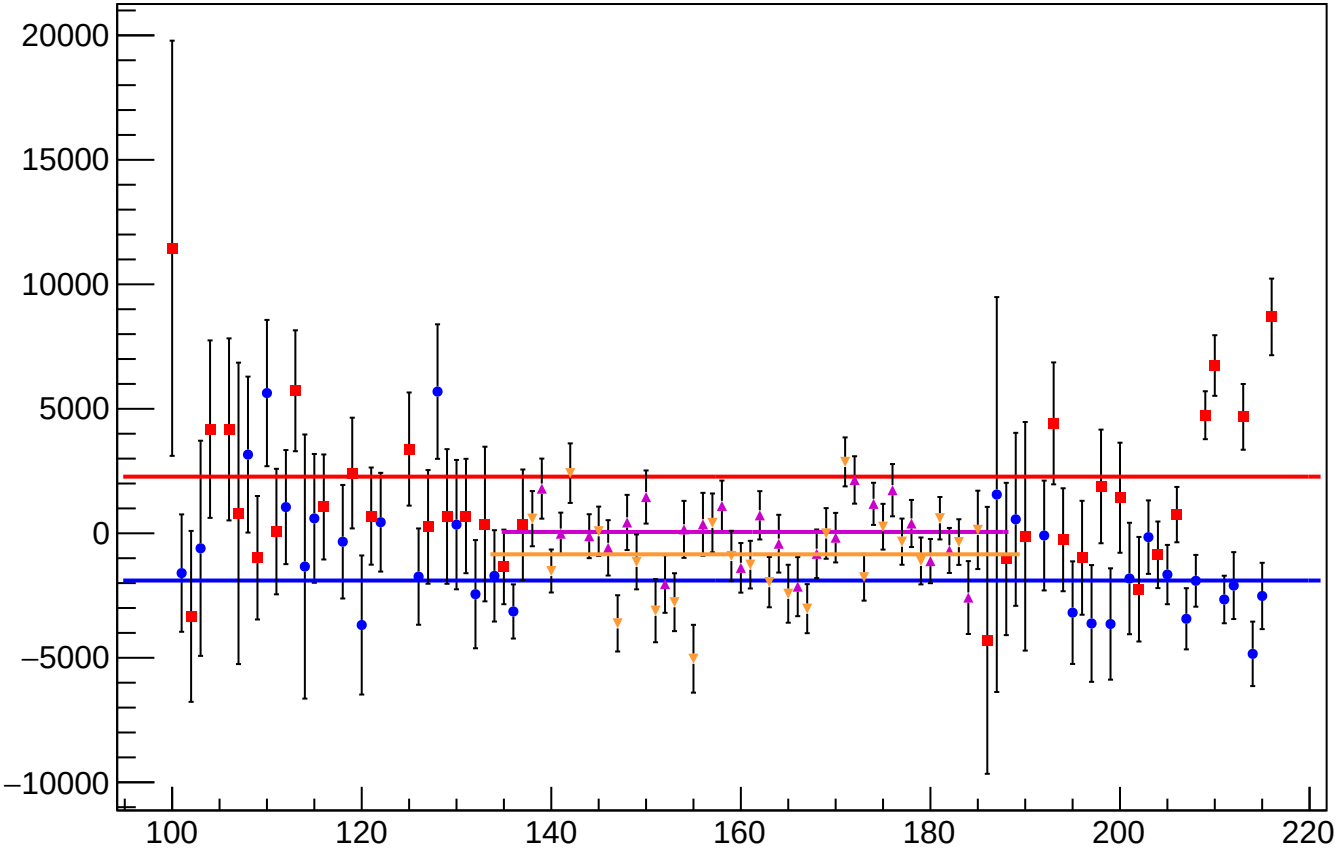
Right: 1785.025+/-0.205 χ^2/NDF: 1055658.1/63

In: 1754.405+/-0.203 χ^2/NDF:734603.4/53

Out: 1761.713+/-0.203 χ^2/NDF:357807.0/56

All: 1758.060+/-0.144 χ^2/NDF: 1093057.4/11

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: 2276.013+/-344.077 χ^2/NDF: 79.0/32

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

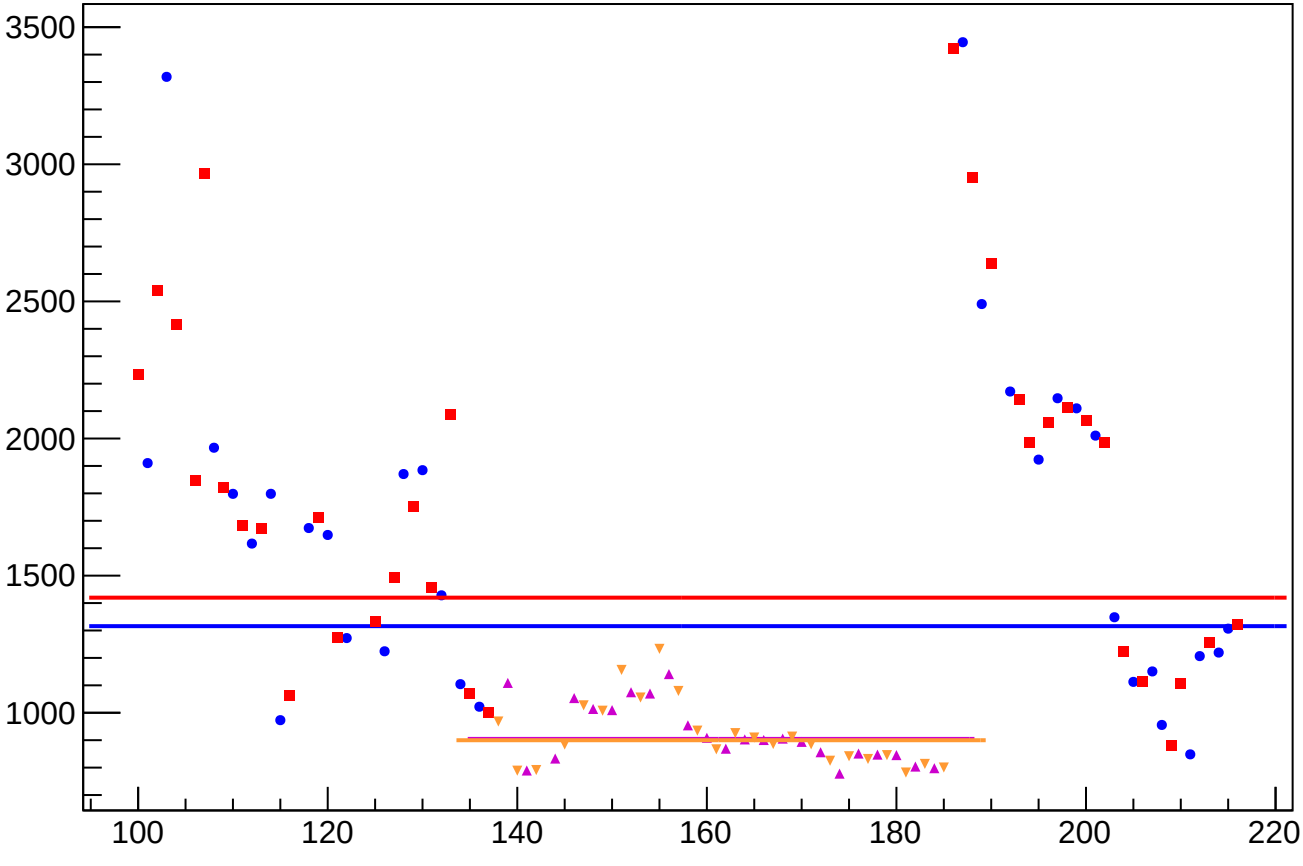
Right: 14.890+/-232.878 χ^2/NDF: 194.8/63

In: -554.327+/-176.663 χ^2/NDF:92.9/53

Out: 8.901+/-179.781 χ^2/NDF:201.4/56

All: -277.639+/-126.008 χ^2/NDF: 299.3/110

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1419.736+/-0.243 χ^2/NDF: 3944403.7/32

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

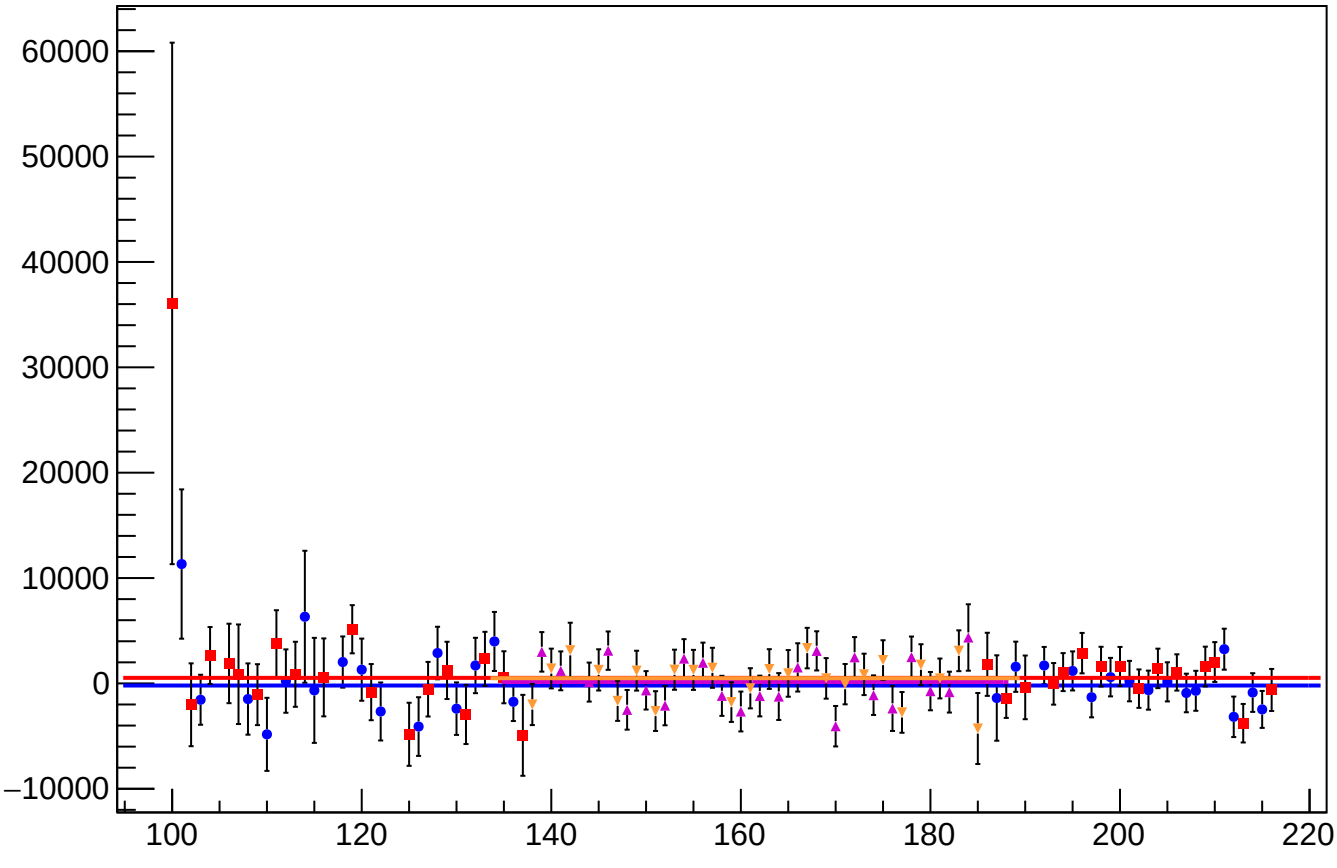
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1363.424+/-0.165 χ^2/NDF: 7650499.9/63

In: 1032.882+/-0.125 χ^2/NDF:6384501.1/53

Out: 1041.758+/-0.127 χ^2/NDF:7759577.6/56

All: 1037.242+/-0.089 χ^2/NDF: 14146558.3/1



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: 527.165+/-411.671 χ^2/NDF: 27.5/32

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

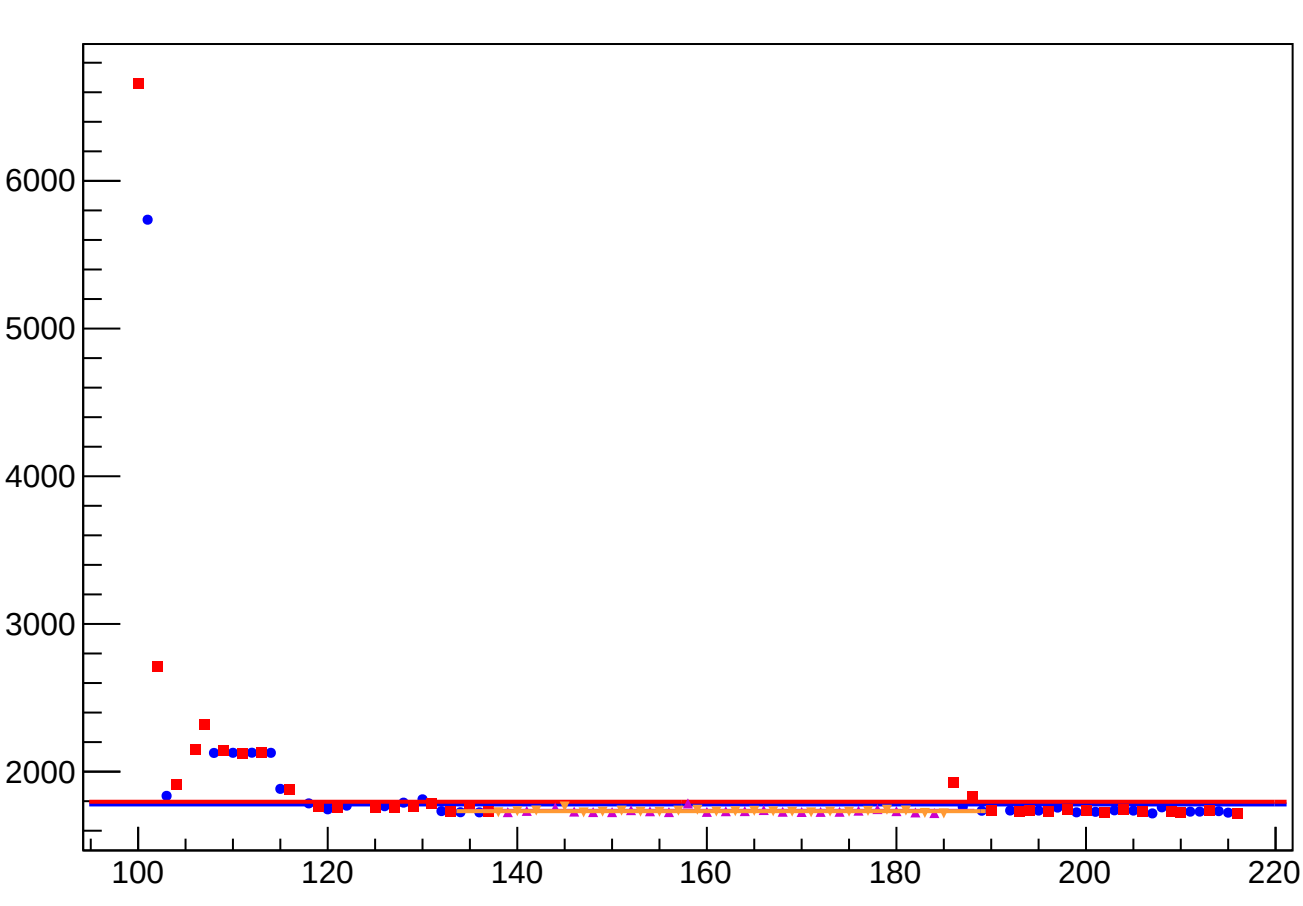
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 160.695+/-289.962 χ^2/NDF: 55.4/63

In: -30.032+/-287.600 χ^2/NDF:56.1/53

Out: 510.650+/-287.641 χ^2/NDF:47.6/56

All: 240.271+/-203.378 χ^2/NDF: 105.5/110



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: 1796.185+/-0.291 χ^2/NDF: 343549.8/32

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

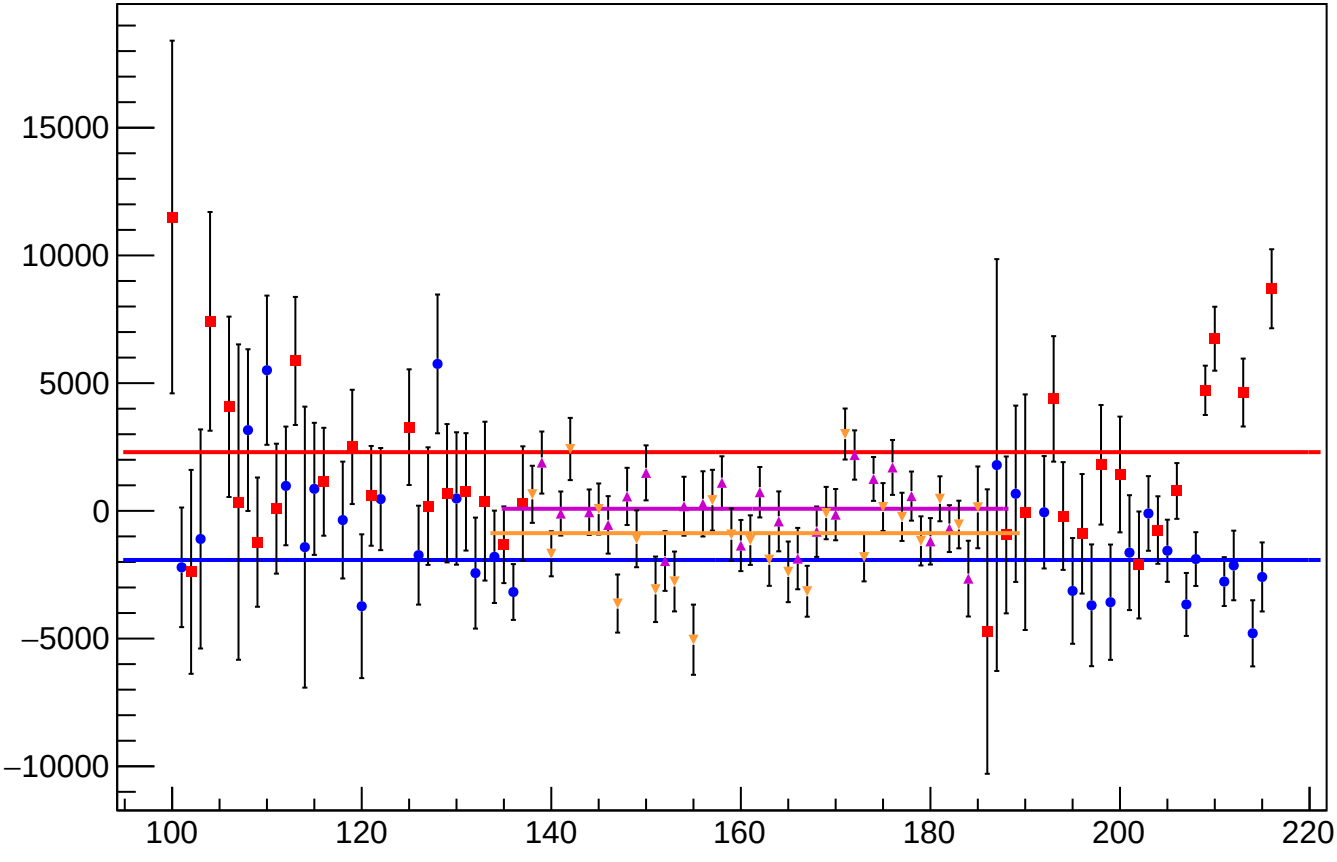
Right: 1786.941+/-0.205 χ^2/NDF: 1067134.2/63

In: 1756.018+/-0.203 χ^2/NDF:735116.9/53

Out: 1763.534+/-0.203 χ^2/NDF:369042.5/56

All: 1759.776+/-0.144 χ^2/NDF: 1104842.2/11

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



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: 2298.455+/-346.542 χ^2/NDF: 77.5/32

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

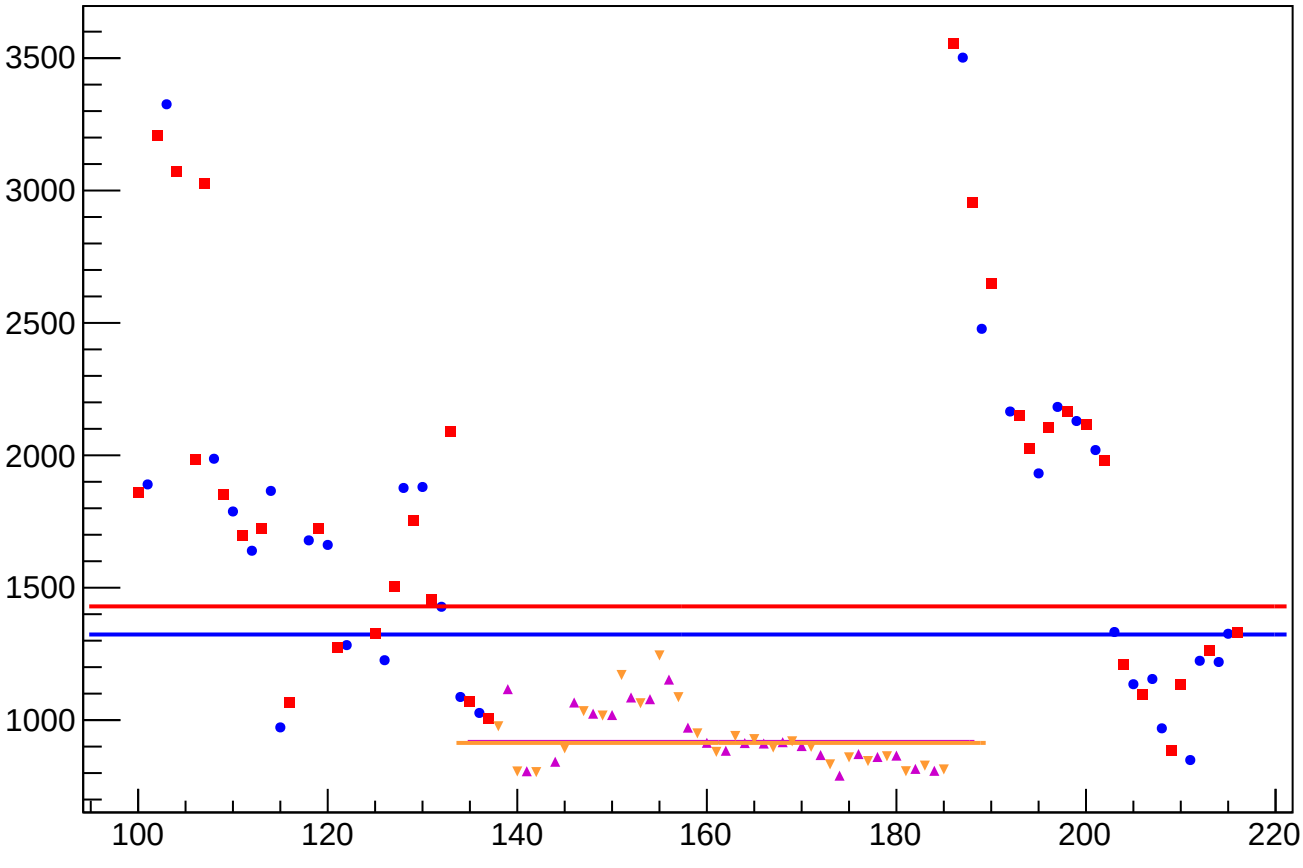
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: 7.080+/-234.323 χ^2/NDF: 195.0/63

In: -550.852+/-178.639 χ^2/NDF:94.1/53

Out: 2.705+/-182.085 χ^2/NDF:200.1/56

All: -279.361+/-127.518 χ^2/NDF: 298.9/110



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: 1429.459+/-0.245 χ^2/NDF: 4380258.3/32

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

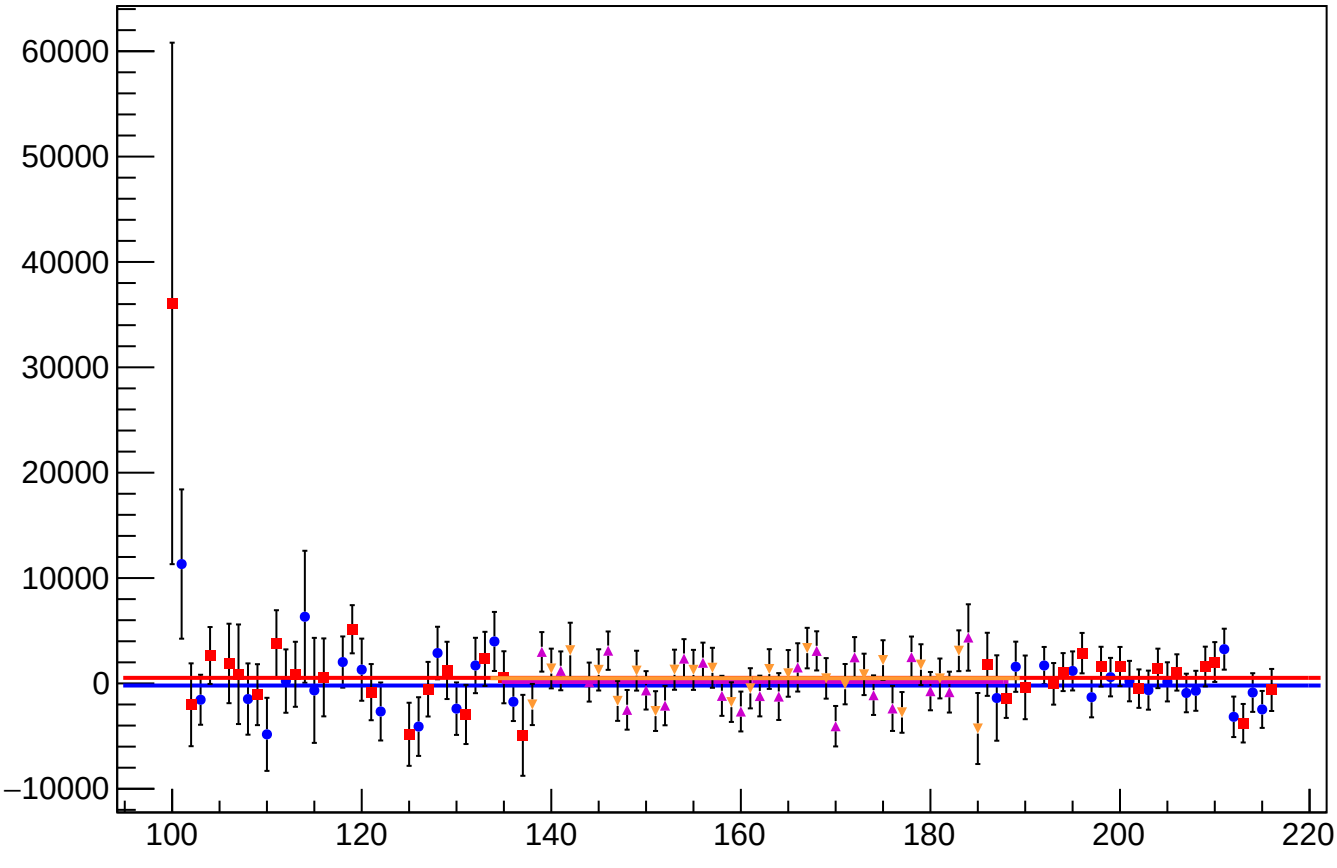
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1371.839+/-0.166 χ^2/NDF: 8080794.8/63

In: 1045.637+/-0.126 χ^2/NDF:6255978.4/53

Out: 1056.235+/-0.129 χ^2/NDF:8047659.5/56

All: 1050.835+/-0.090 χ^2/NDF: 14307090.6/1



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: 527.162+/-411.671 χ^2/NDF: 27.5/32

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

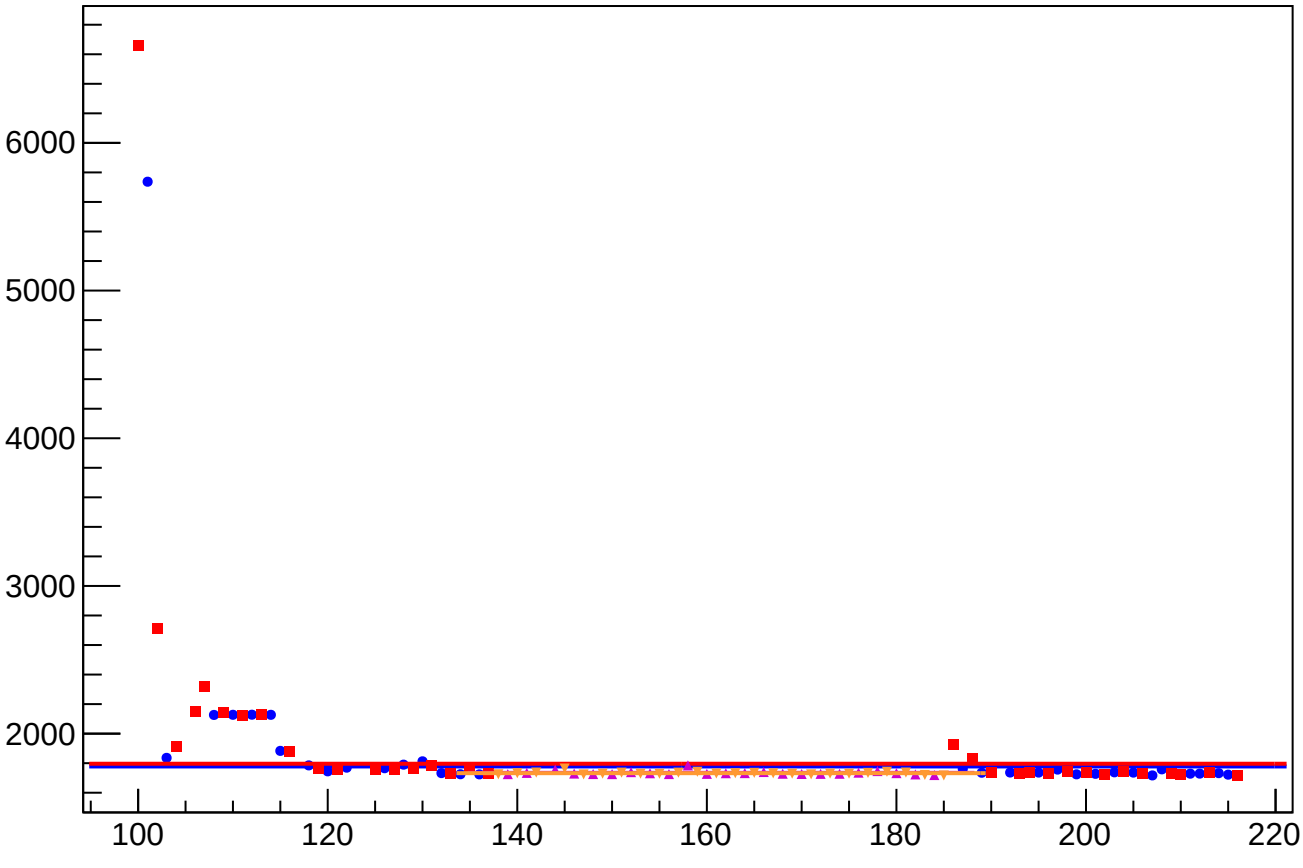
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 160.695+/-289.962 χ^2/NDF: 55.4/63

In: -30.031+/-287.600 χ^2/NDF:56.1/53

Out: 510.649+/-287.641 χ^2/NDF:47.6/56

All: 240.270+/-203.378 χ^2/NDF: 105.5/110



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: 1796.185+/-0.291 χ^2/NDF: 343549.5/32

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

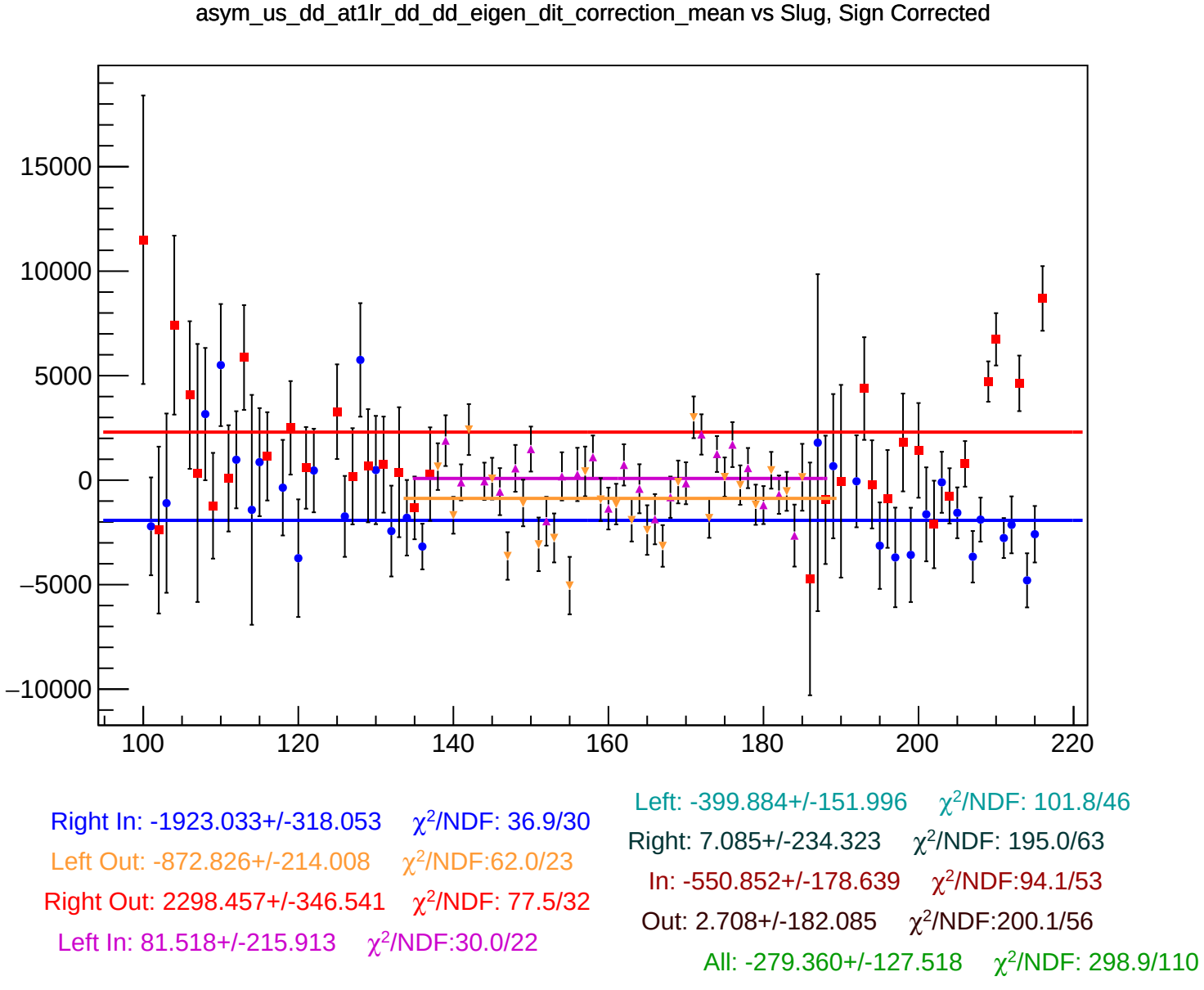
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

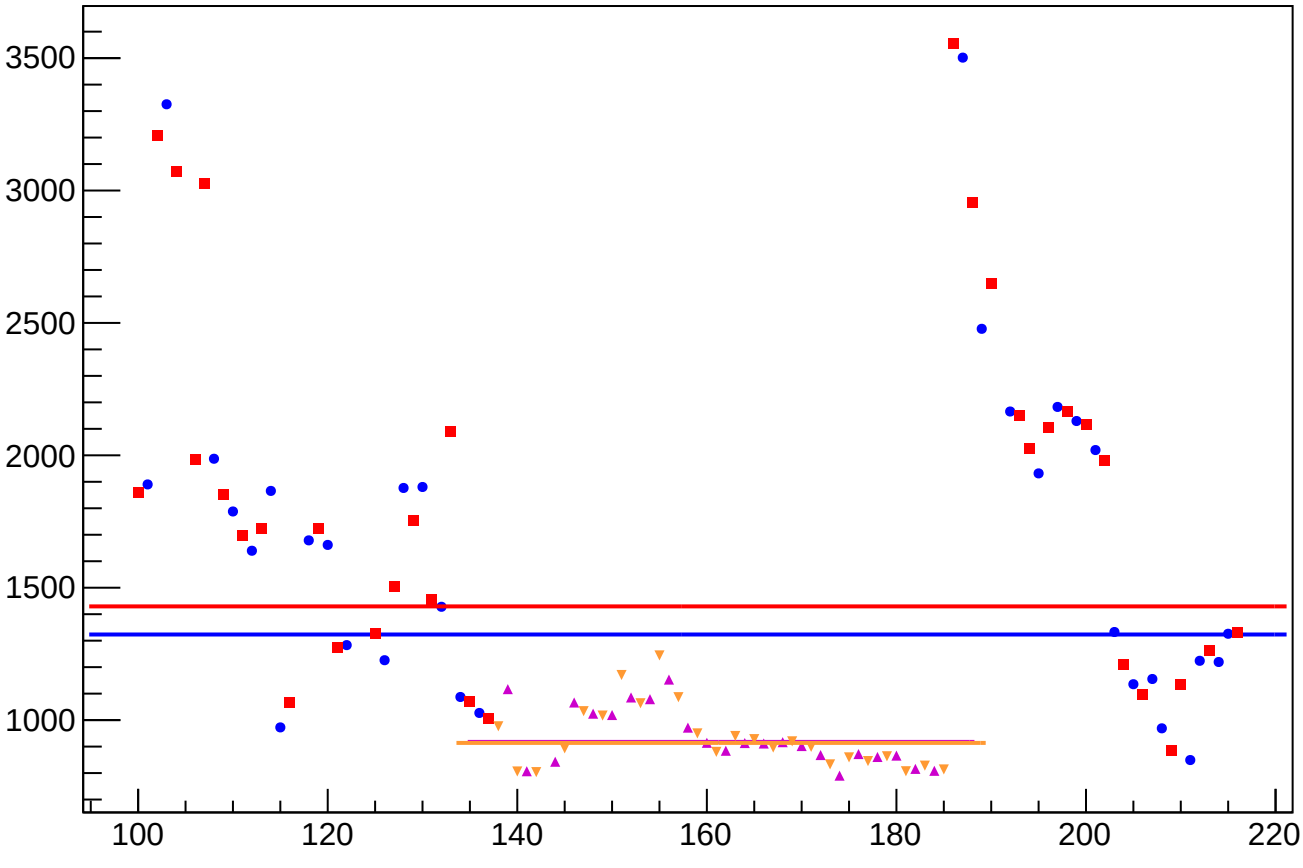
Right: 1786.941+/-0.205 χ^2/NDF: 1067133.8/63

In: 1756.018+/-0.203 χ^2/NDF:735116.9/53

Out: 1763.534+/-0.203 χ^2/NDF:369042.2/56

All: 1759.776+/-0.144 χ^2/NDF: 1104841.8/11


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1923.033+/-318.053 χ²/NDF: 36.9/30
Left Out: -872.826+/-214.008 χ²/NDF:62.0/23
Right Out: 2298.457+/-346.541 χ²/NDF: 77.5/32
Left In: 81.518+/-215.913 χ²/NDF:30.0/22
Left: -399.884+/-151.996 χ²/NDF: 101.8/46
Right: 7.085+/-234.323 χ²/NDF: 195.0/63
In: -550.852+/-178.639 χ²/NDF:94.1/53
Out: 2.708+/-182.085 χ²/NDF:200.1/56
All: -279.360+/-127.518 χ²/NDF: 298.9/110



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: 1429.456+/-0.245 χ^2/NDF: 4380275.0/32

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

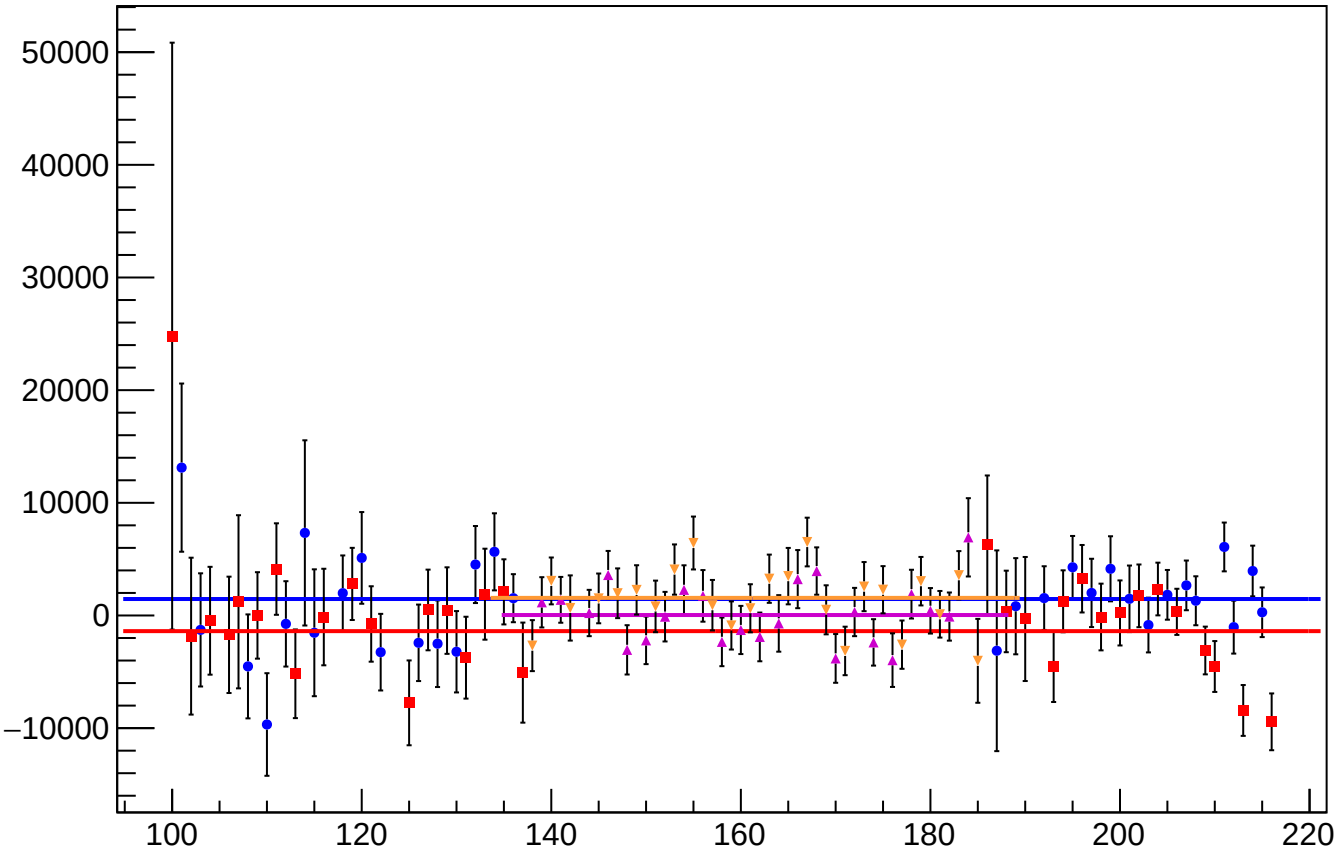
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1371.837+/-0.166 χ^2/NDF: 8080802.8/63

In: 1045.636+/-0.126 χ^2/NDF:6255980.6/53

Out: 1056.234+/-0.129 χ^2/NDF:8047663.7/56

All: 1050.834+/-0.090 χ^2/NDF: 14307096.9/1



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: -1389.868+/-566.512 χ^2/NDF: 46.2/32

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

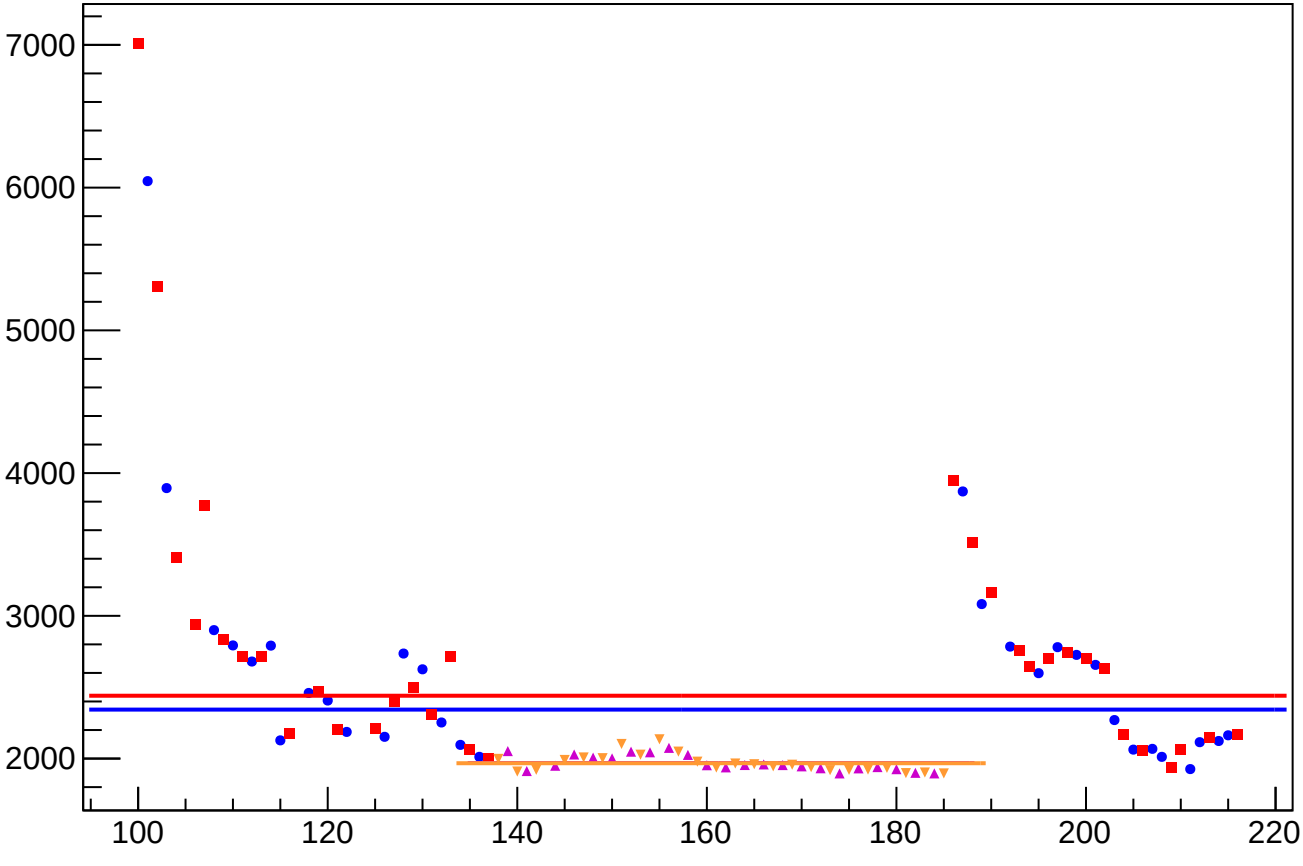
Right: 93.991+/-392.293 χ^2/NDF: 90.6/63

In: 632.604+/-351.163 χ^2/NDF:63.1/53

Out: 398.303+/-355.638 χ^2/NDF:93.9/56

All: 516.937+/-249.877 χ^2/NDF: 157.1/110

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: 2440.271+/-0.401 χ^2/NDF: 1437204.4/32

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

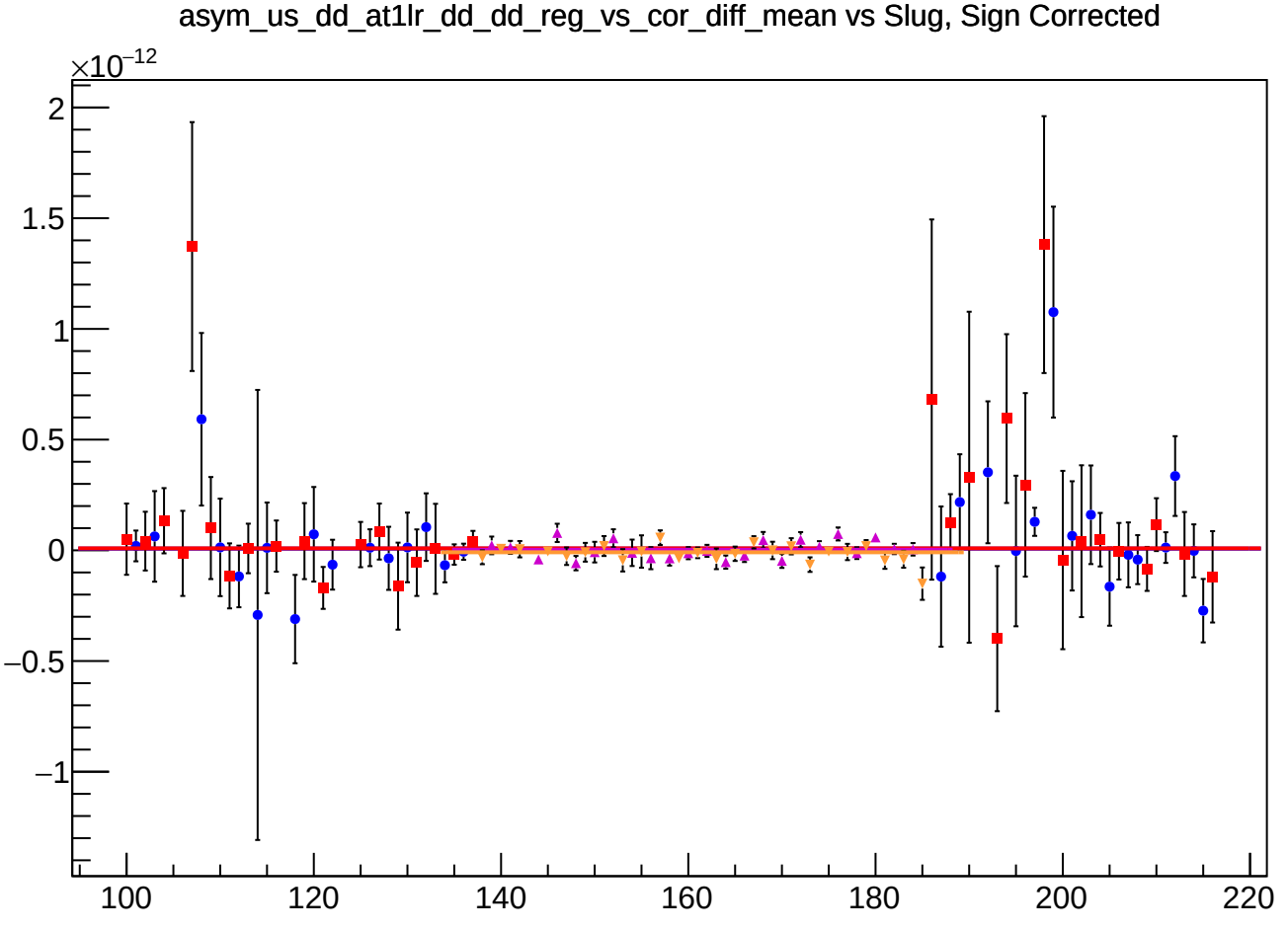
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2389.705+/-0.277 χ^2/NDF: 2851482.0/63

In: 2125.045+/-0.248 χ^2/NDF:1962012.9/53

Out: 2153.765+/-0.251 χ^2/NDF:2315682.4/56

All: 2139.223+/-0.177 χ^2/NDF: 4284299.4/11



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: 27.1/32

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

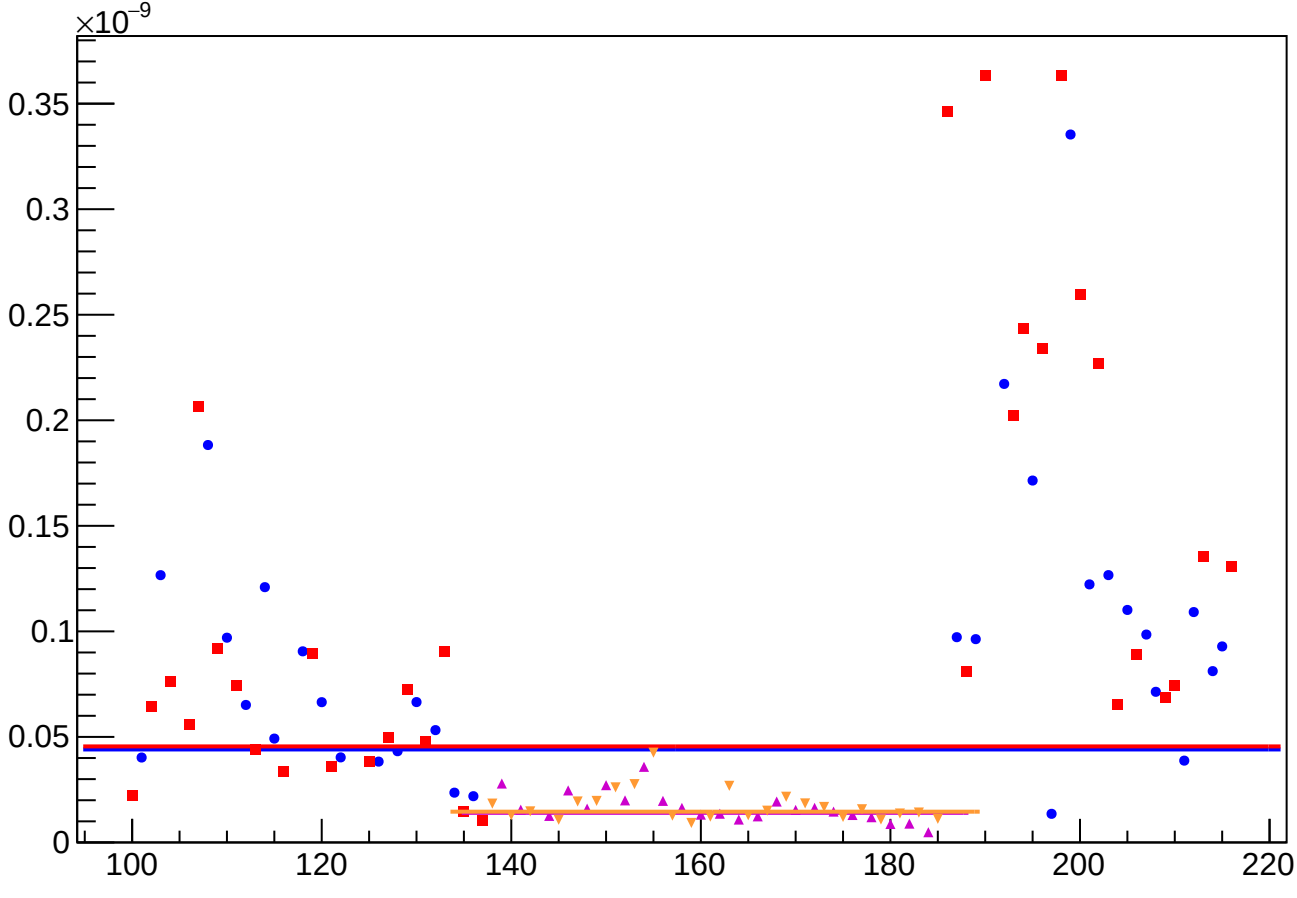
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 54.8/63

In: 0.000+/-0.000 χ^2/NDF:66.7/53

Out: -0.000+/-0.000 χ^2/NDF:48.5/56

All: -0.000+/-0.000 χ^2/NDF: 116.6/110



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: 7962130.8/32

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

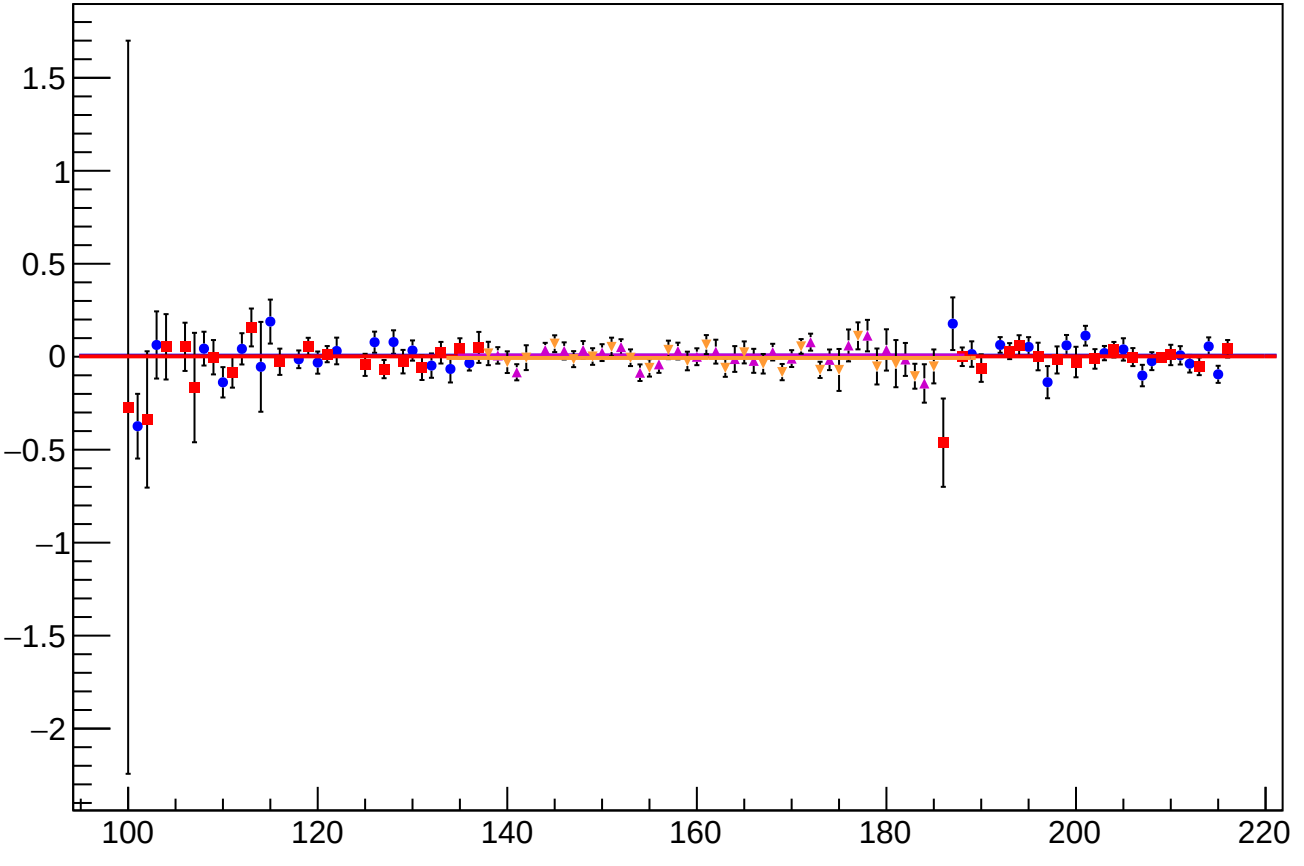
Right: 0.000+/-0.000 χ^2/NDF: 13918598.6/63

In: 0.000+/-0.000 χ^2/NDF:11511475.6/53

Out: 0.000+/-0.000 χ^2/NDF:12895769.9/56

All: 0.000+/-0.000 χ^2/NDF: 24410418.0/110

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: 0.002+/-0.010 χ^2/NDF: 20.0/32

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

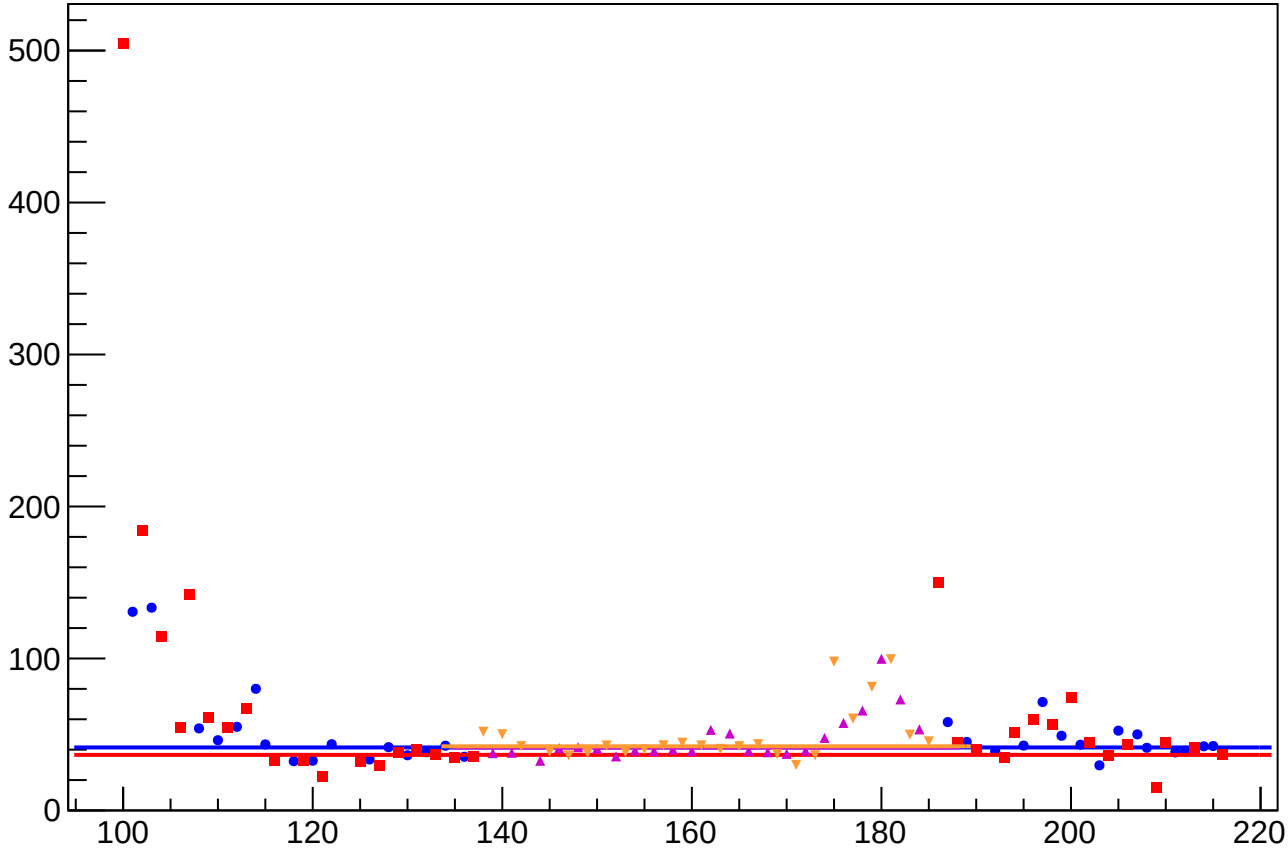
Right: 0.004+/-0.007 χ^2/NDF: 60.2/63

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.002+/-0.007 χ^2/NDF:44.2/56

All: 0.002+/-0.005 χ^2/NDF: 105.1/110

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: 36.575+/-0.007 χ^2/NDF: 4898884.4/32

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

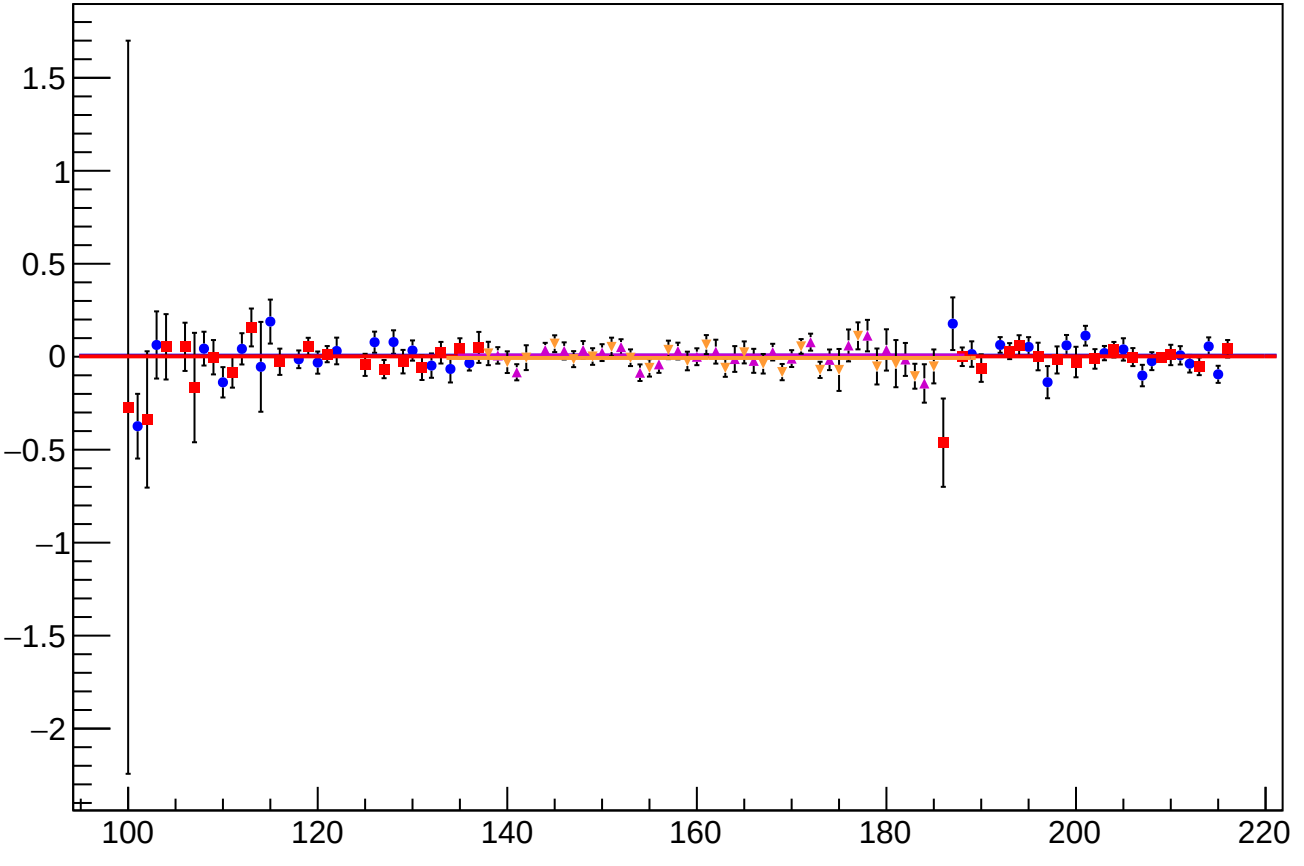
Right: 38.900+/-0.005 χ^2/NDF: 7173759.8/63

In: 41.440+/-0.005 χ^2/NDF:3465499.6/53

Out: 39.179+/-0.005 χ^2/NDF:7004459.5/56

All: 40.290+/-0.004 χ^2/NDF: 10561129.4/110

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: 0.002+/-0.010 χ^2/NDF: 20.0/32

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

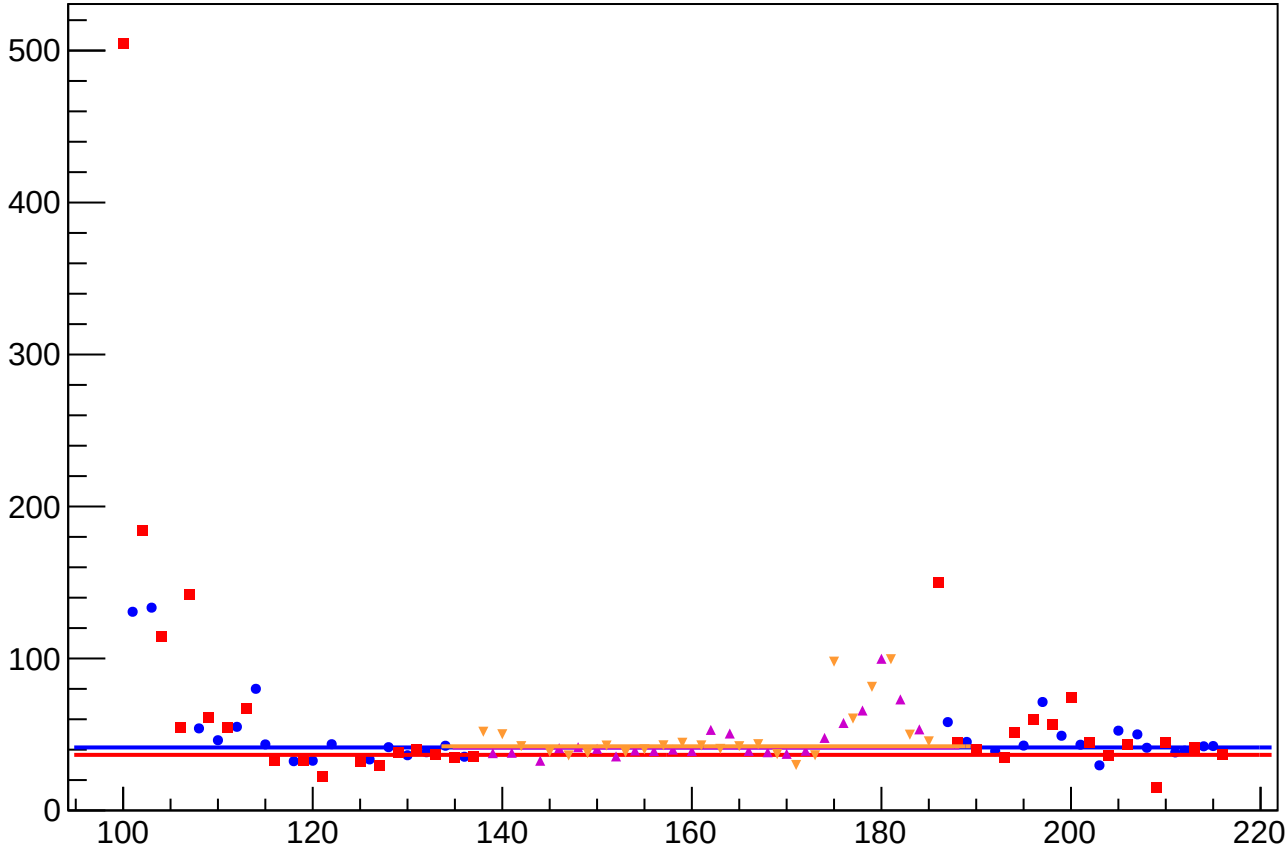
Right: 0.004+/-0.007 χ^2/NDF: 60.2/63

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.002+/-0.007 χ^2/NDF:44.2/56

All: 0.002+/-0.005 χ^2/NDF: 105.1/110

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: 36.575+/-0.007 χ^2/NDF: 4898884.4/32

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

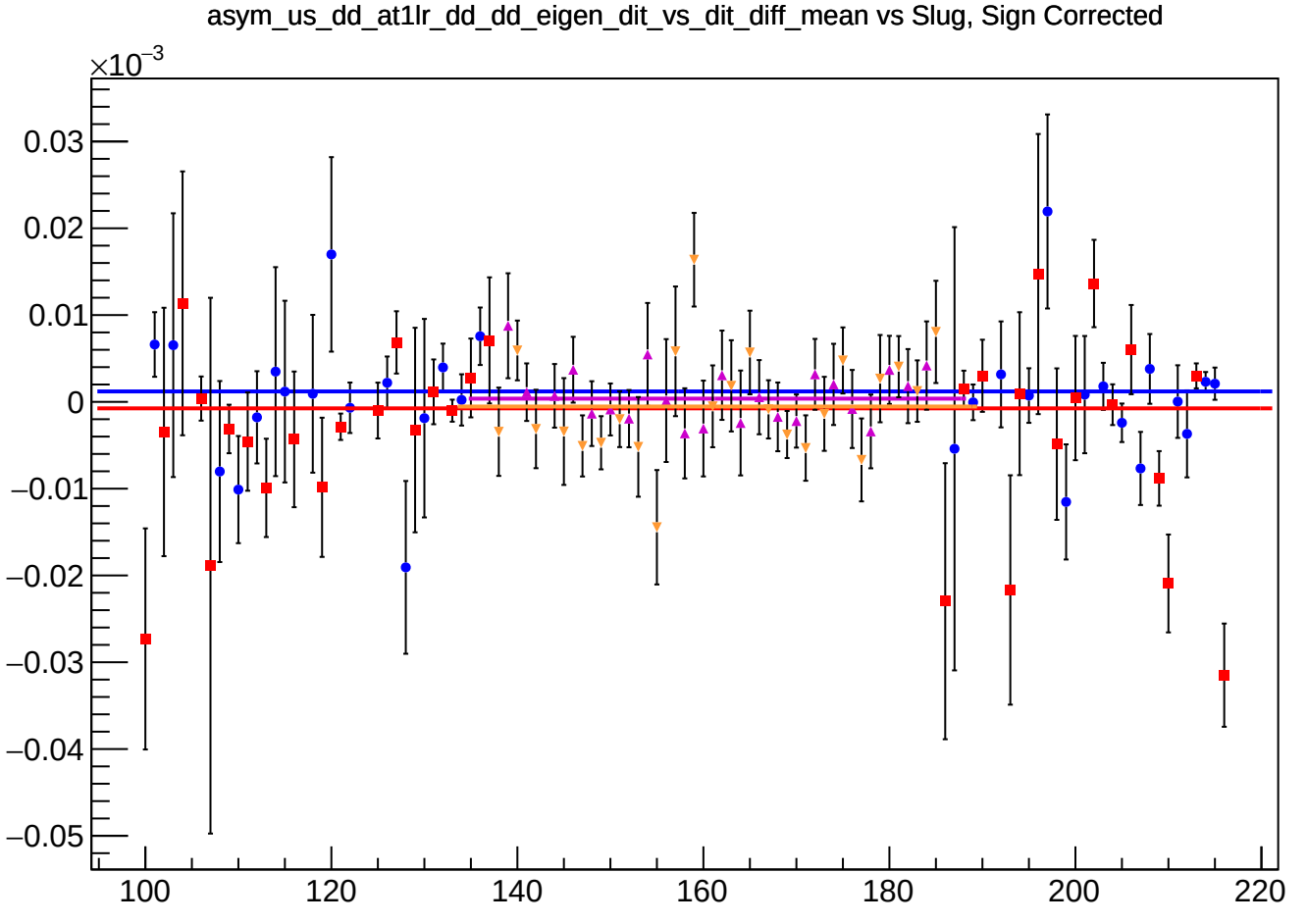
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.900+/-0.005 χ^2/NDF: 7173759.8/63

In: 41.440+/-0.005 χ^2/NDF:3465499.6/53

Out: 39.179+/-0.005 χ^2/NDF:7004459.5/56

All: 40.290+/-0.004 χ^2/NDF: 10561129.4/110



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: 89.9/32

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

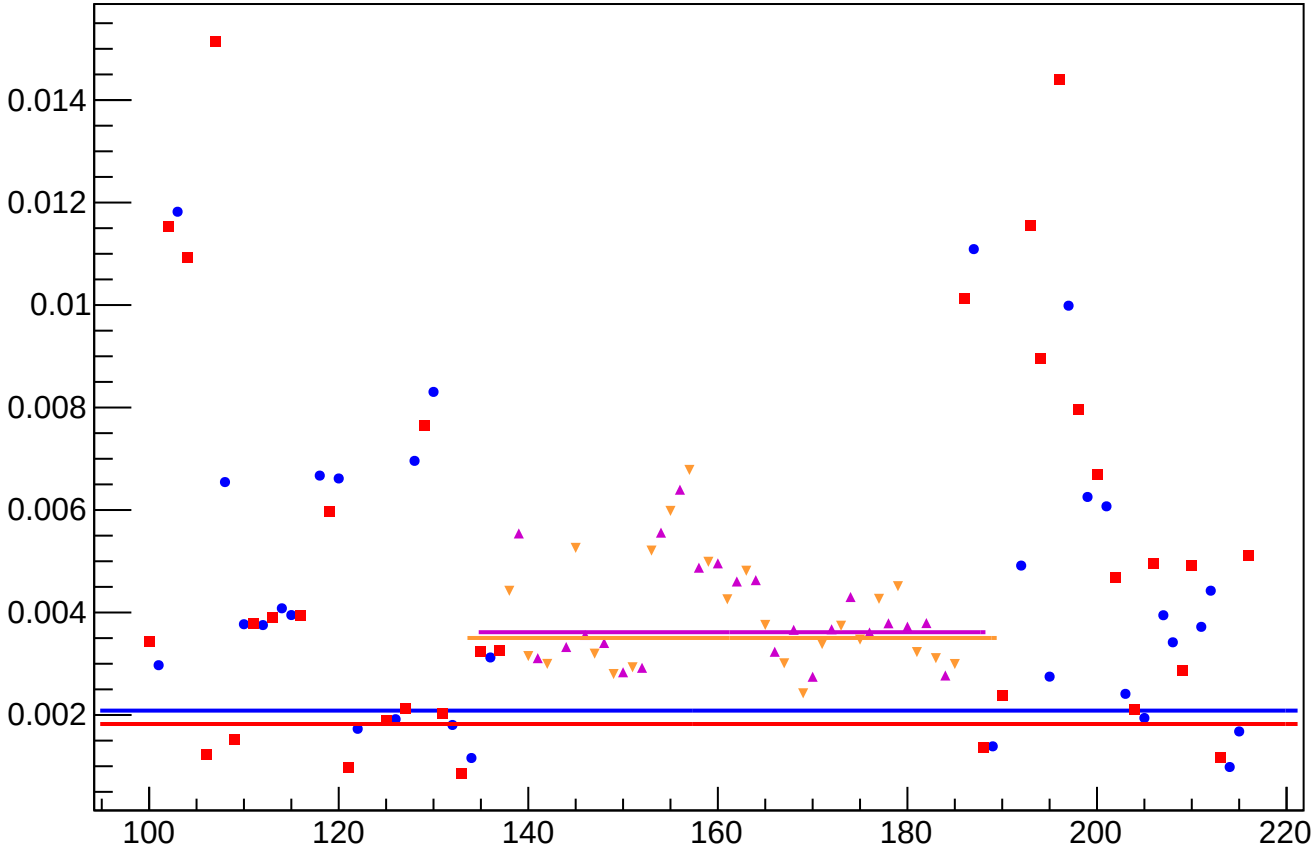
Right: 0.000+/-0.000 χ^2/NDF: 131.2/63

In: 0.000+/-0.000 χ^2/NDF:46.1/53

Out: -0.000+/-0.000 χ^2/NDF:126.8/56

All: 0.000+/-0.000 χ^2/NDF: 178.4/110

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: 15267970.0/32

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

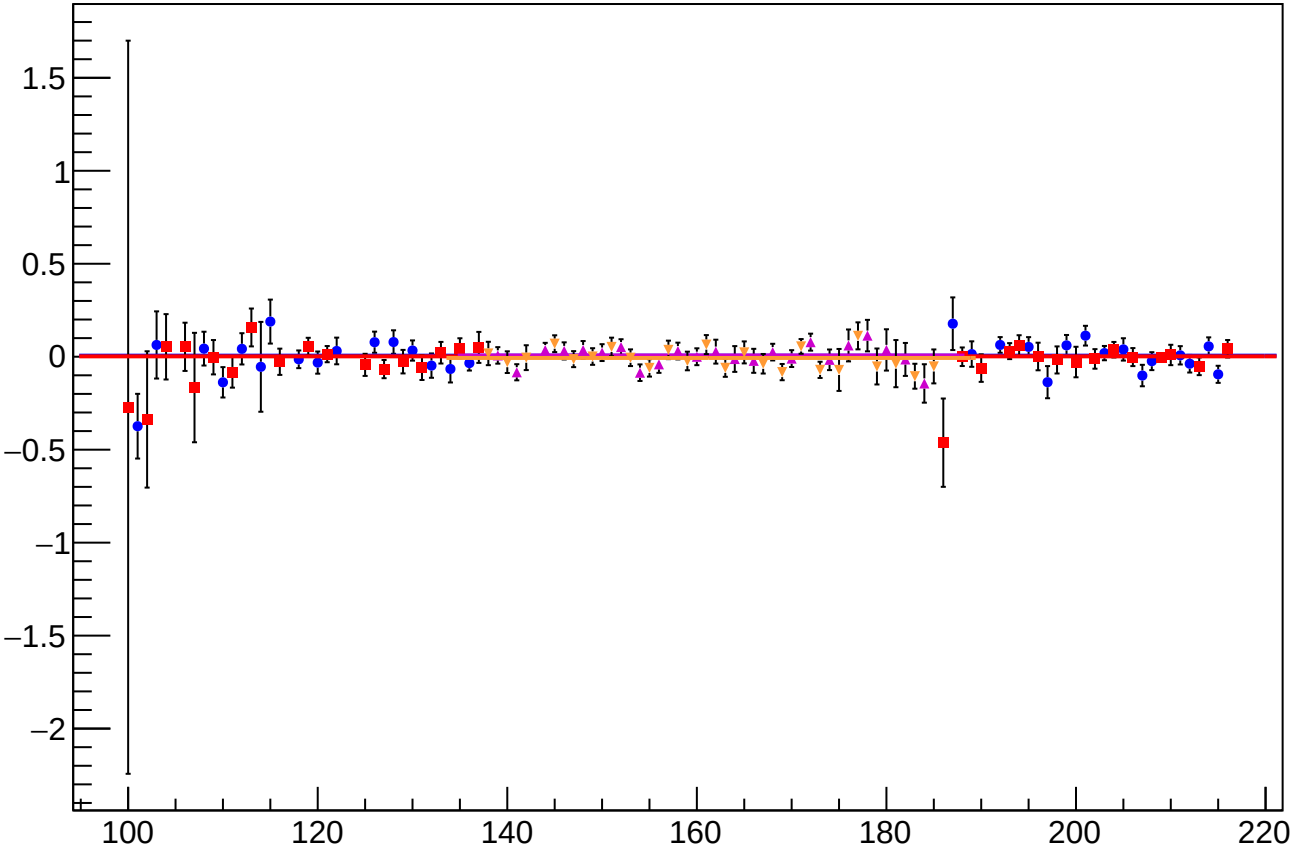
Right: 0.002+/-0.000 χ^2/NDF: 26469382.5/63

In: 0.003+/-0.000 χ^2/NDF:16871506.8/53

Out: 0.002+/-0.000 χ^2/NDF:22860067.8/56

All: 0.002+/-0.000 χ^2/NDF: 39928588.4/110

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: 0.002+/-0.010 χ^2/NDF: 20.0/32

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

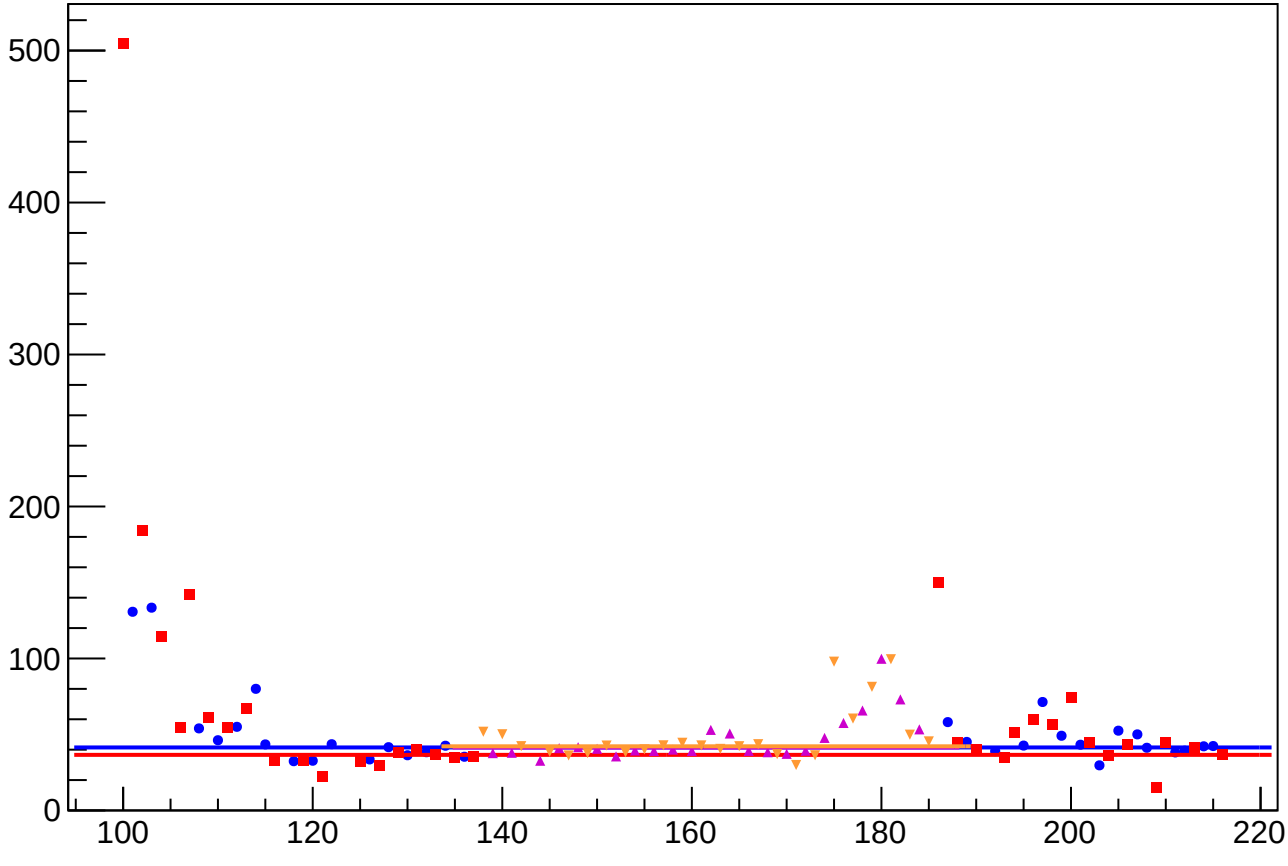
Right: 0.004+/-0.007 χ^2/NDF: 60.2/63

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.002+/-0.007 χ^2/NDF:44.2/56

All: 0.002+/-0.005 χ^2/NDF: 105.1/110

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: 36.579+/-0.007 χ^2/NDF: 4896354.9/32

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

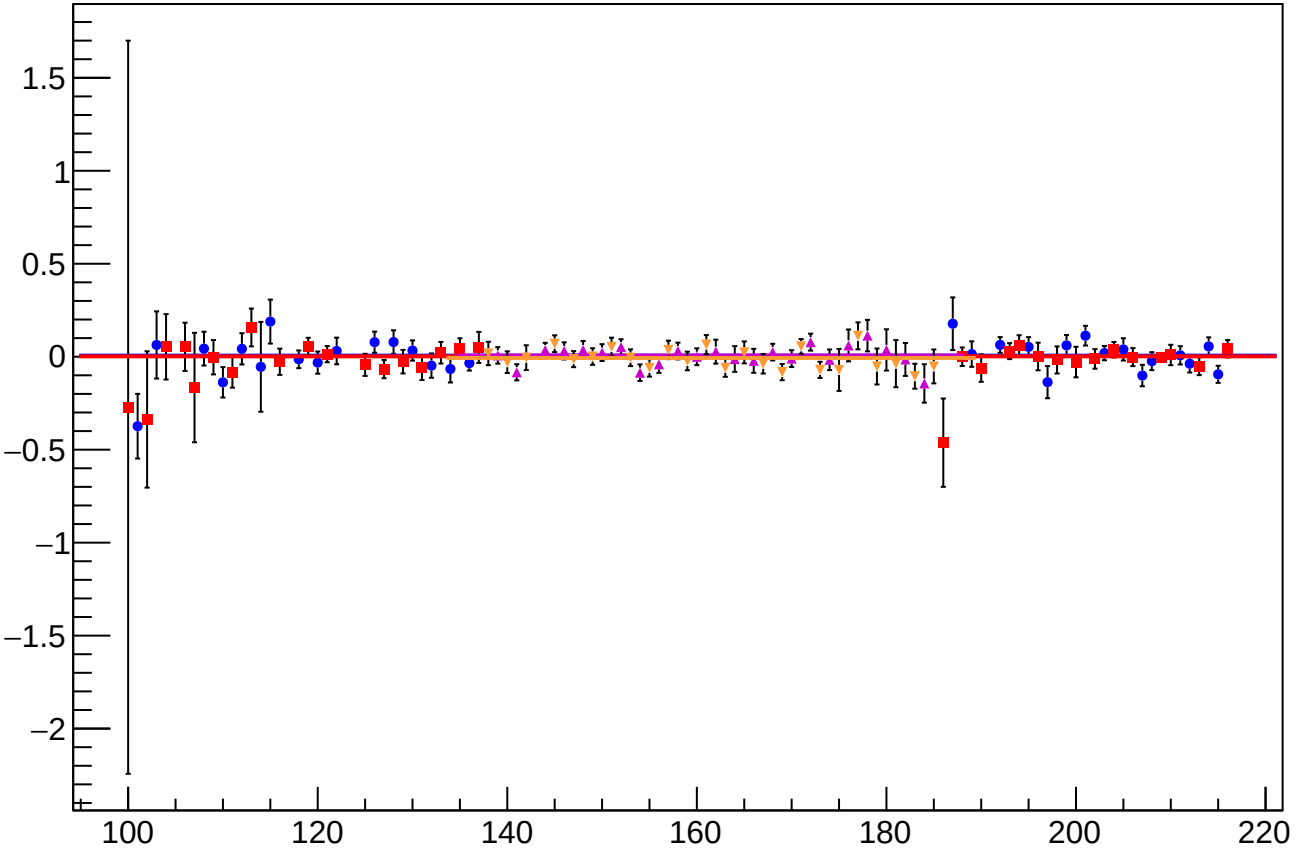
Right: 38.902+/-0.005 χ^2/NDF: 7170800.4/63

In: 41.440+/-0.005 χ^2/NDF:3465348.4/53

Out: 39.181+/-0.005 χ^2/NDF:7001499.8/56

All: 40.291+/-0.004 χ^2/NDF: 10557849.8/110

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: 0.002+/-0.010 χ^2/NDF: 20.0/32

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

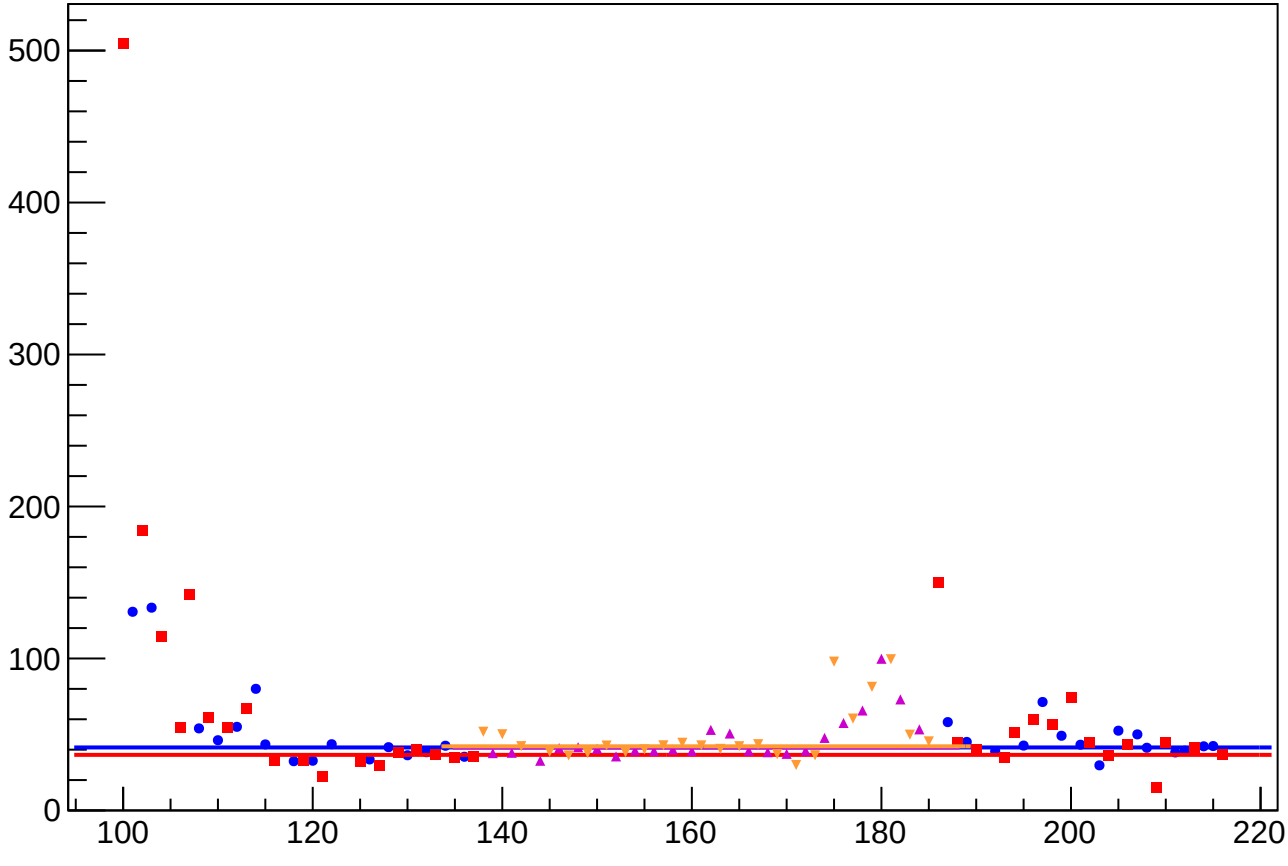
Right: 0.004+/-0.007 χ^2/NDF: 60.2/63

In: 0.006+/-0.008 χ^2/NDF:60.3/53

Out: -0.002+/-0.007 χ^2/NDF:44.2/56

All: 0.002+/-0.005 χ^2/NDF: 105.1/110

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: 36.579+/-0.007 χ^2/NDF: 4896354.9/32

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

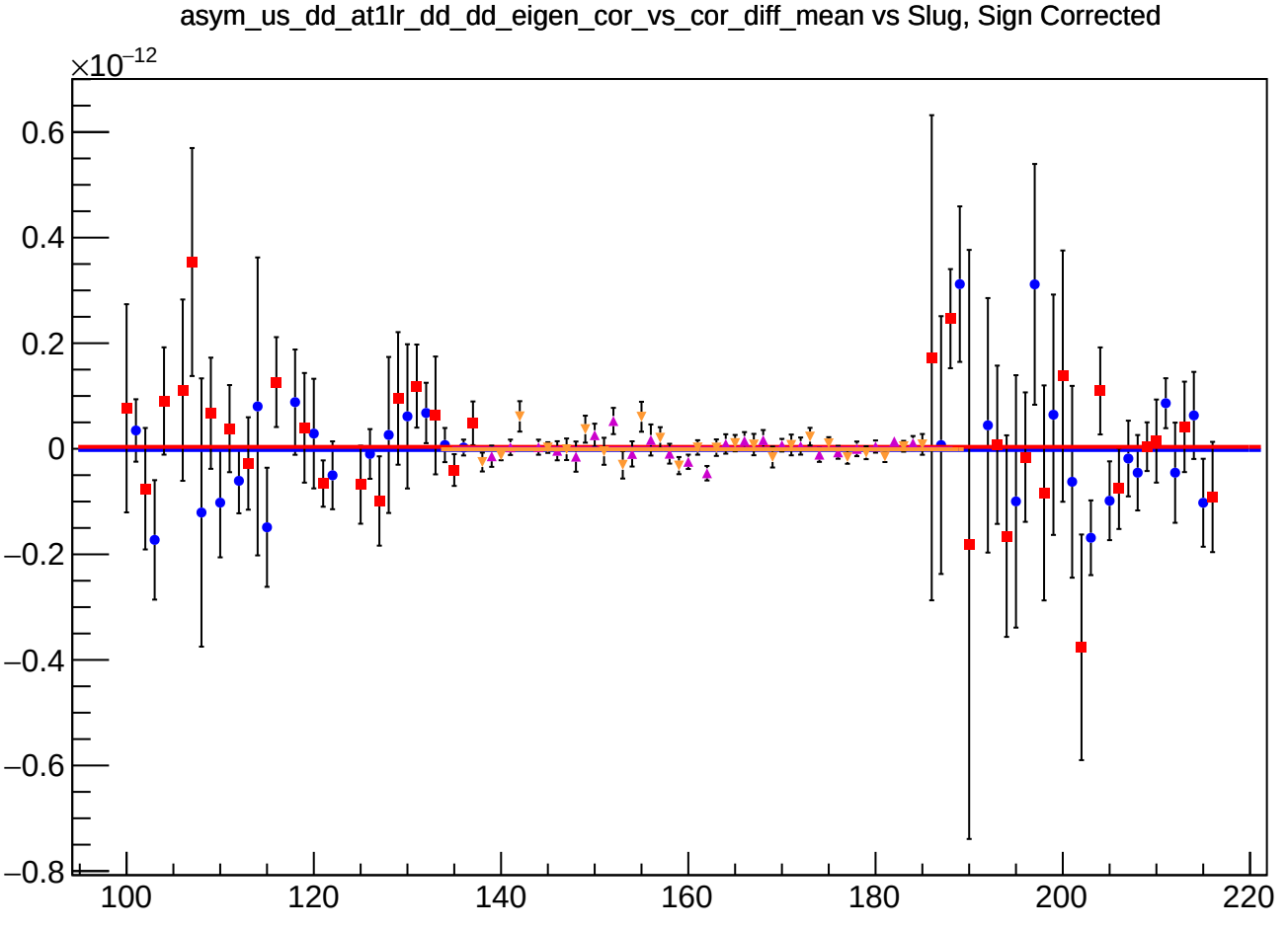
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.902+/-0.005 χ^2/NDF: 7170800.4/63

In: 41.440+/-0.005 χ^2/NDF:3465348.4/53

Out: 39.181+/-0.005 χ^2/NDF:7001499.8/56

All: 40.291+/-0.004 χ^2/NDF: 10557849.8/110



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: 33.6/32

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

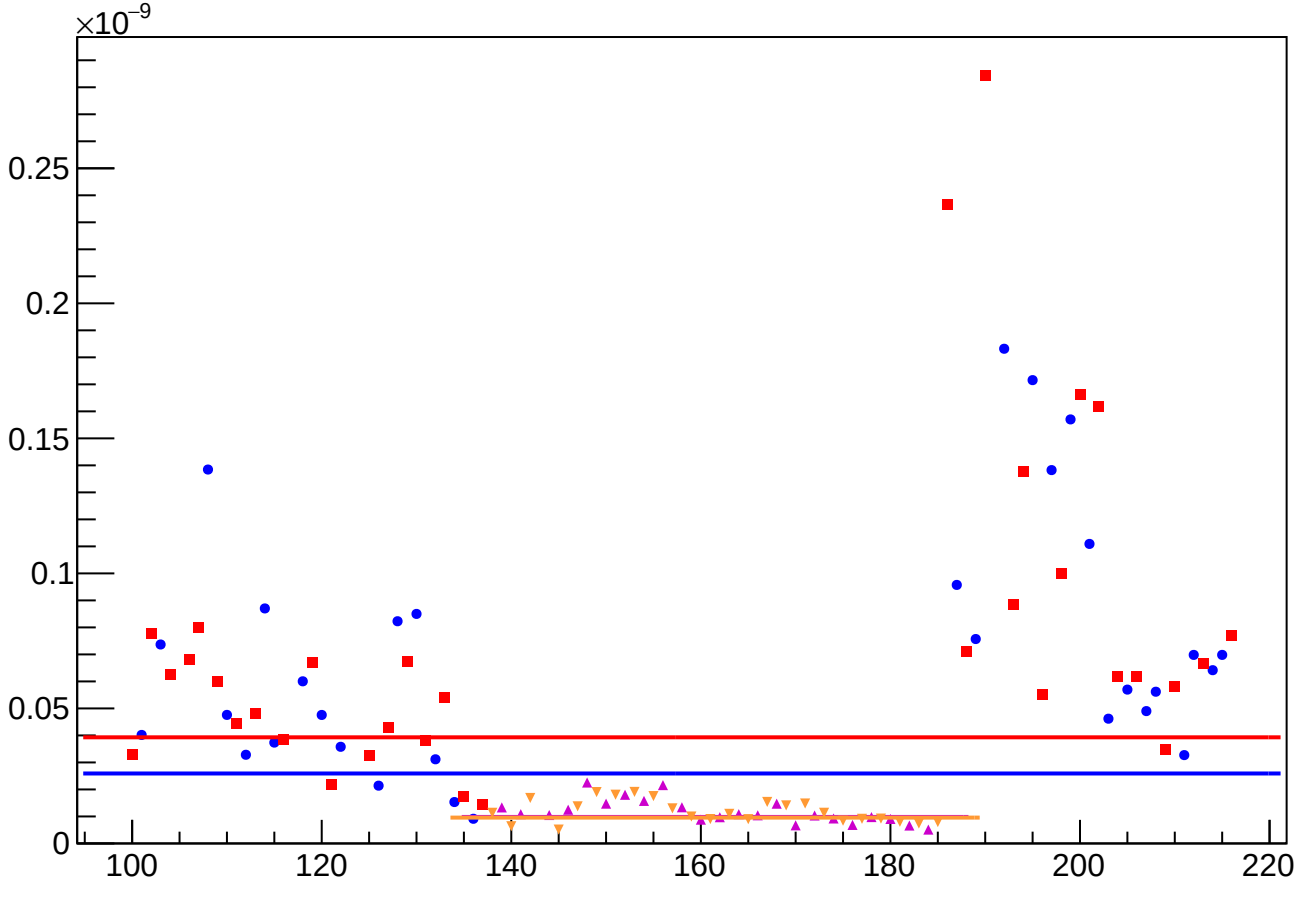
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: -0.000+/-0.000 χ^2/NDF: 63.8/63

In: 0.000+/-0.000 χ^2/NDF:58.5/53

Out: -0.000+/-0.000 χ^2/NDF:63.2/56

All: -0.000+/-0.000 χ^2/NDF: 121.7/110



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: 7063018.1/32

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

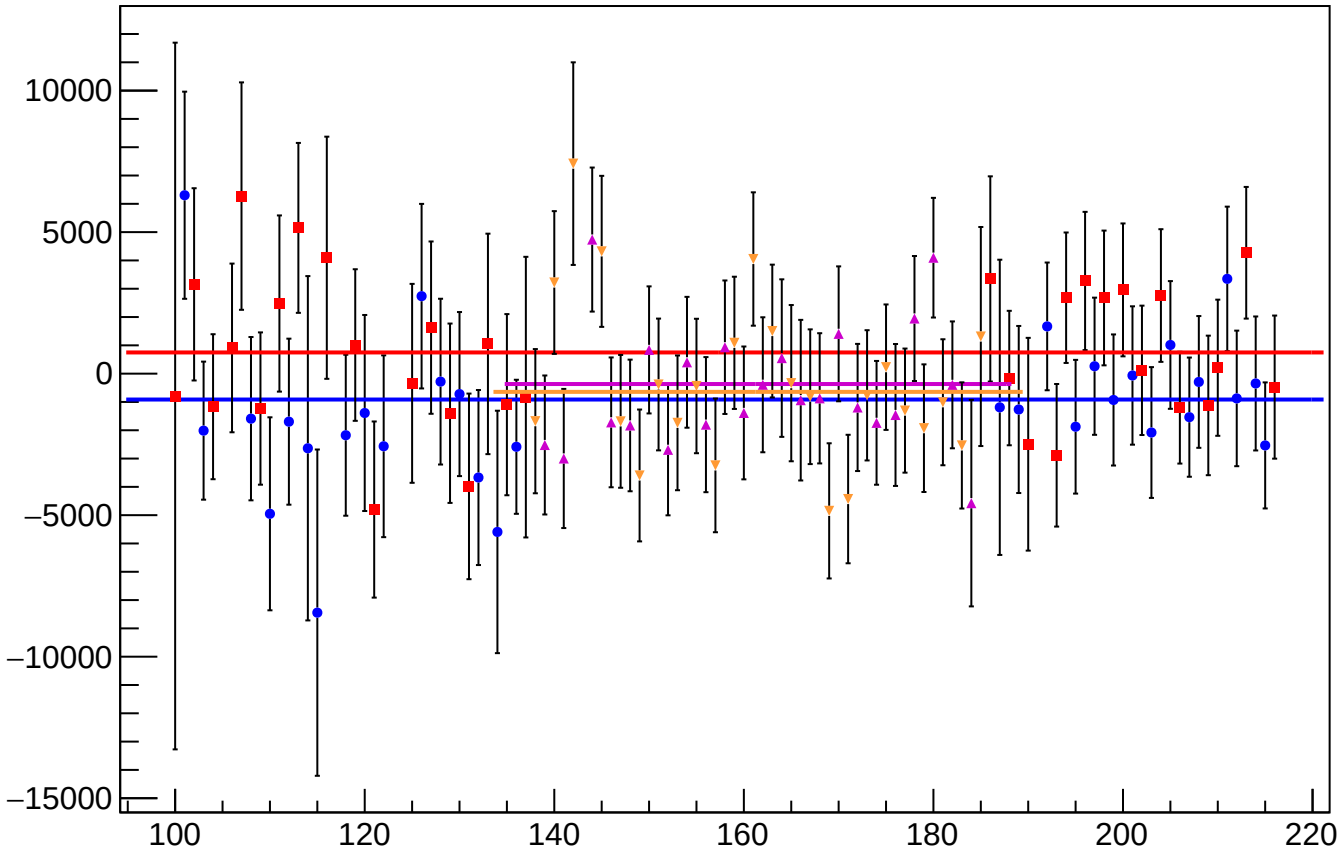
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 19217833.5/63

In: 0.000+/-0.000 χ^2/NDF:17600040.3/53

Out: 0.000+/-0.000 χ^2/NDF:18254640.5/56

All: 0.000+/-0.000 χ^2/NDF: 35860805.7/110



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: 748.936+/-490.292 χ^2/NDF: 24.7/32

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

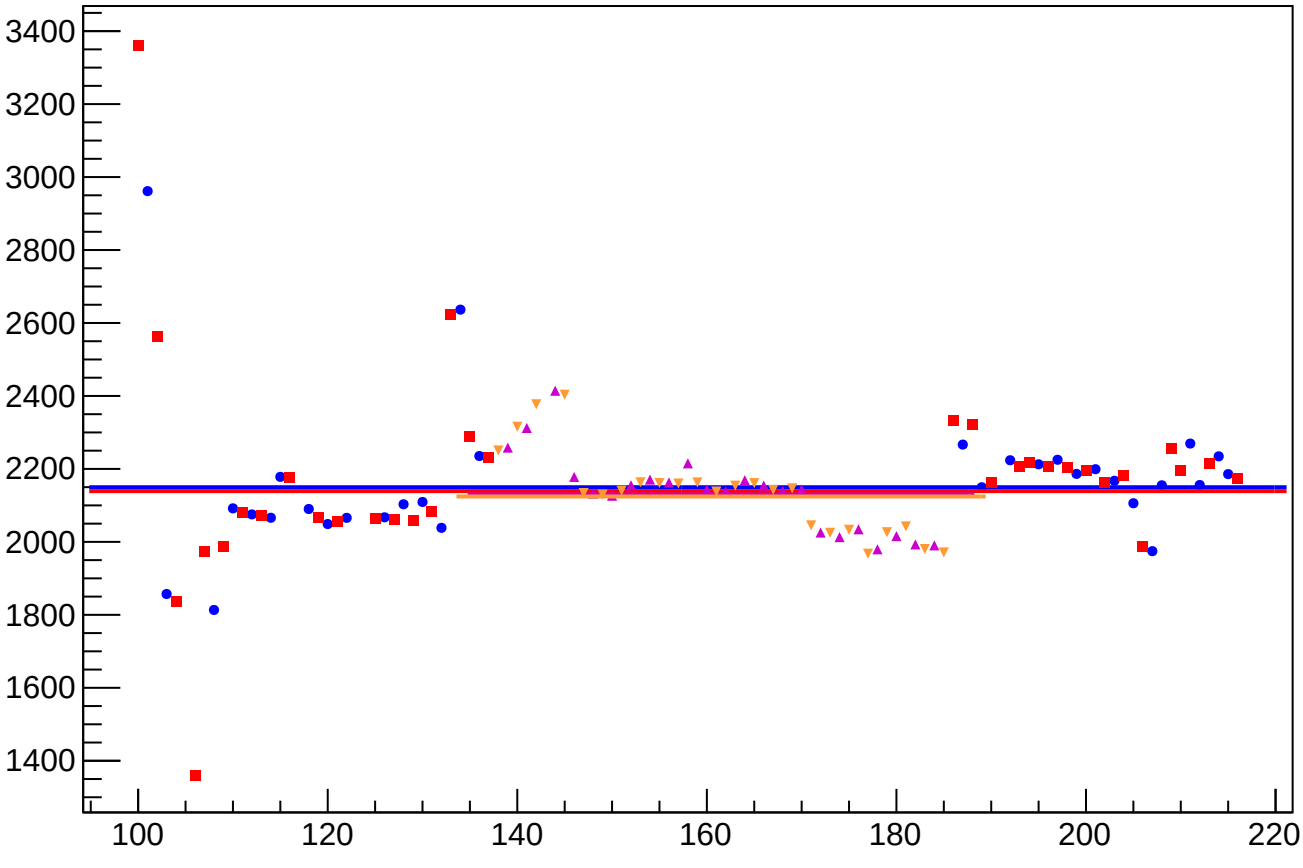
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -81.399+/-346.960 χ^2/NDF: 48.5/63

In: -644.335+/-349.624 χ^2/NDF:36.0/53

Out: 57.360+/-347.881 χ^2/NDF:55.8/56

All: -291.733+/-246.603 χ^2/NDF: 93.8/110



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: 2139.122+/-0.347 χ^2/NDF: 315630.8/32

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

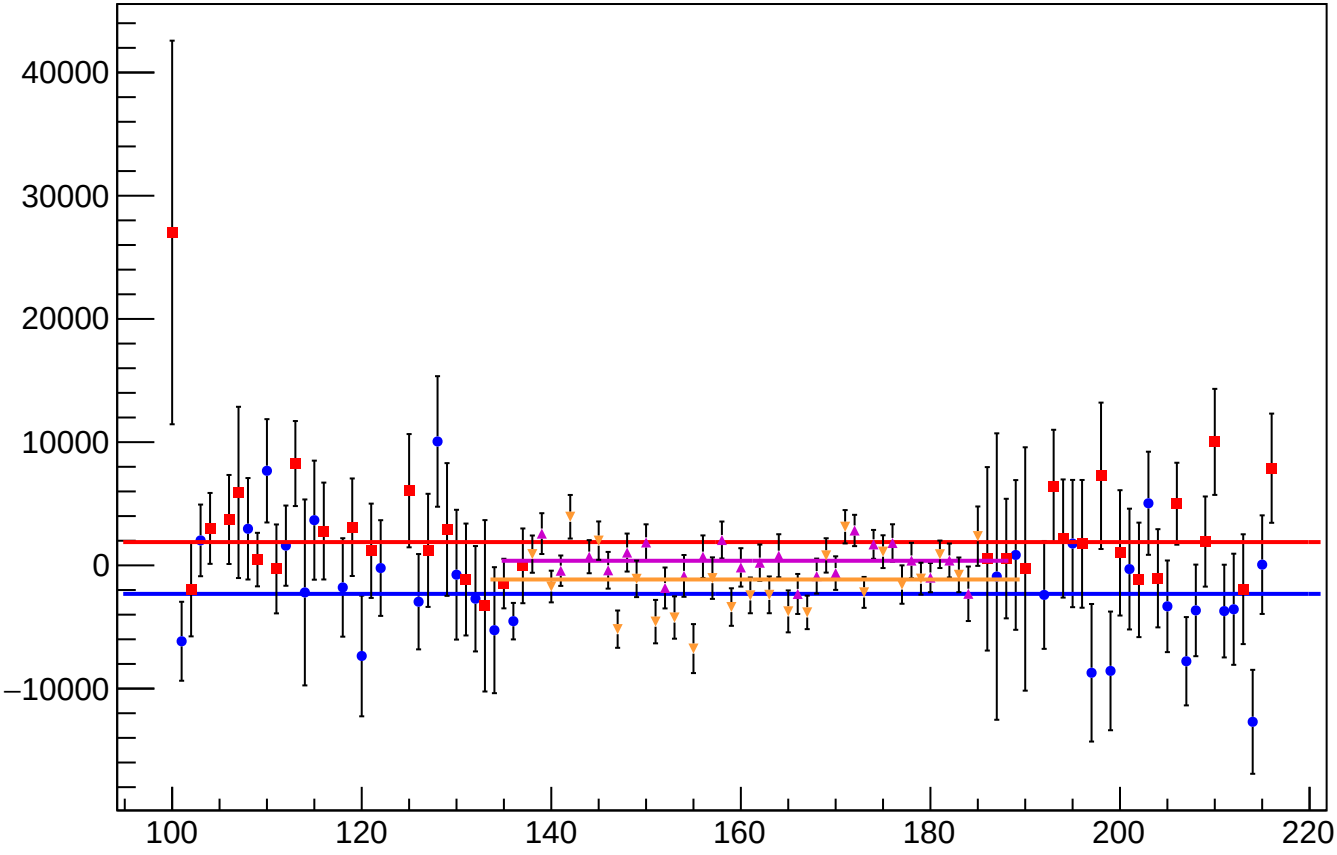
Right: 2144.467+/-0.245 χ^2/NDF: 539984.8/63

In: 2140.000+/-0.247 χ^2/NDF:310857.0/53

Out: 2131.830+/-0.246 χ^2/NDF:405705.8/56

All: 2135.895+/-0.174 χ^2/NDF: 717111.6/110

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



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: 1890.380+/-688.126 χ^2/NDF: 23.8/32

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

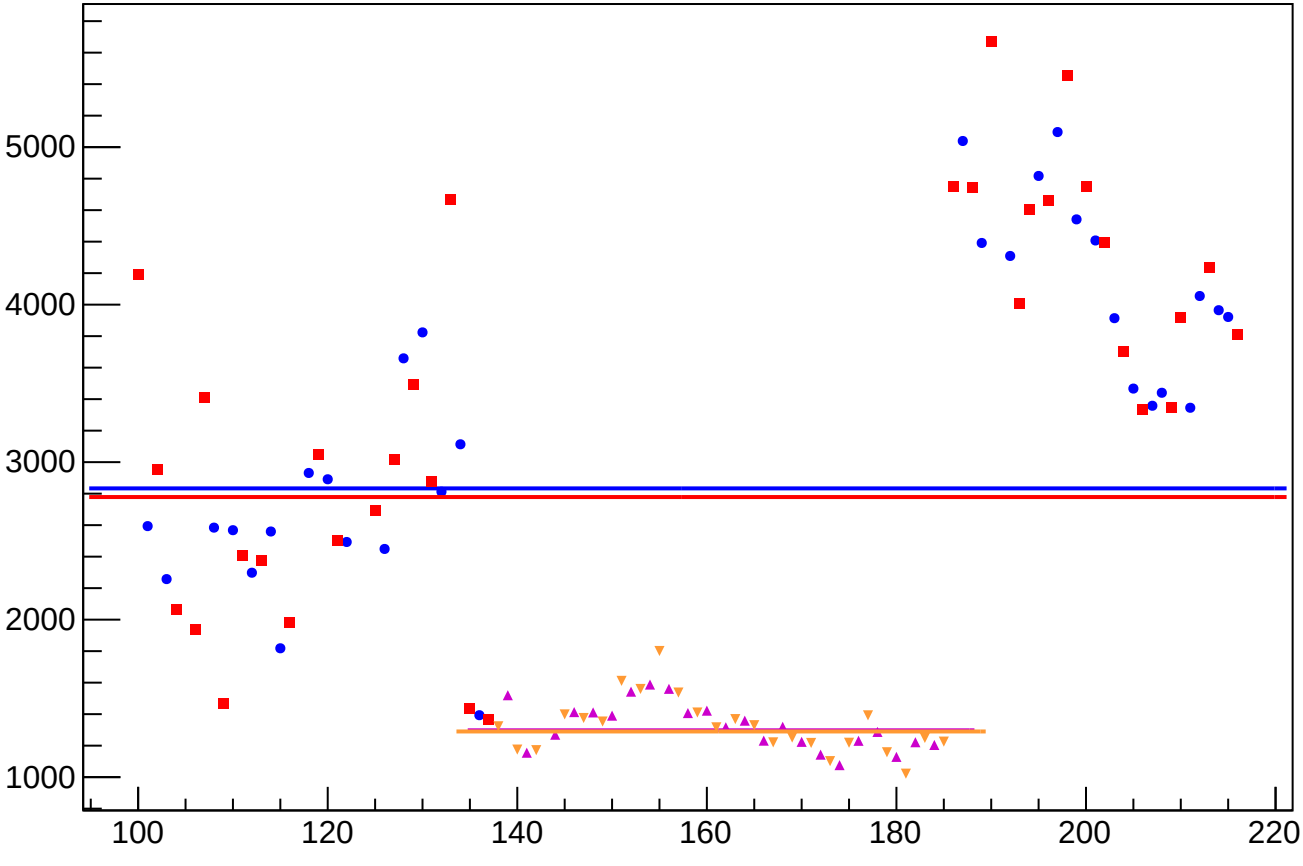
Right: -207.274+/-487.049 χ^2/NDF: 82.3/63

In: -67.279+/-279.215 χ^2/NDF:72.8/53

Out: -653.295+/-276.914 χ^2/NDF:107.7/56

All: -362.712+/-196.616 χ^2/NDF: 182.7/110

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



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: 2778.437+/-0.487 χ^2/NDF: 5617613.8/32

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

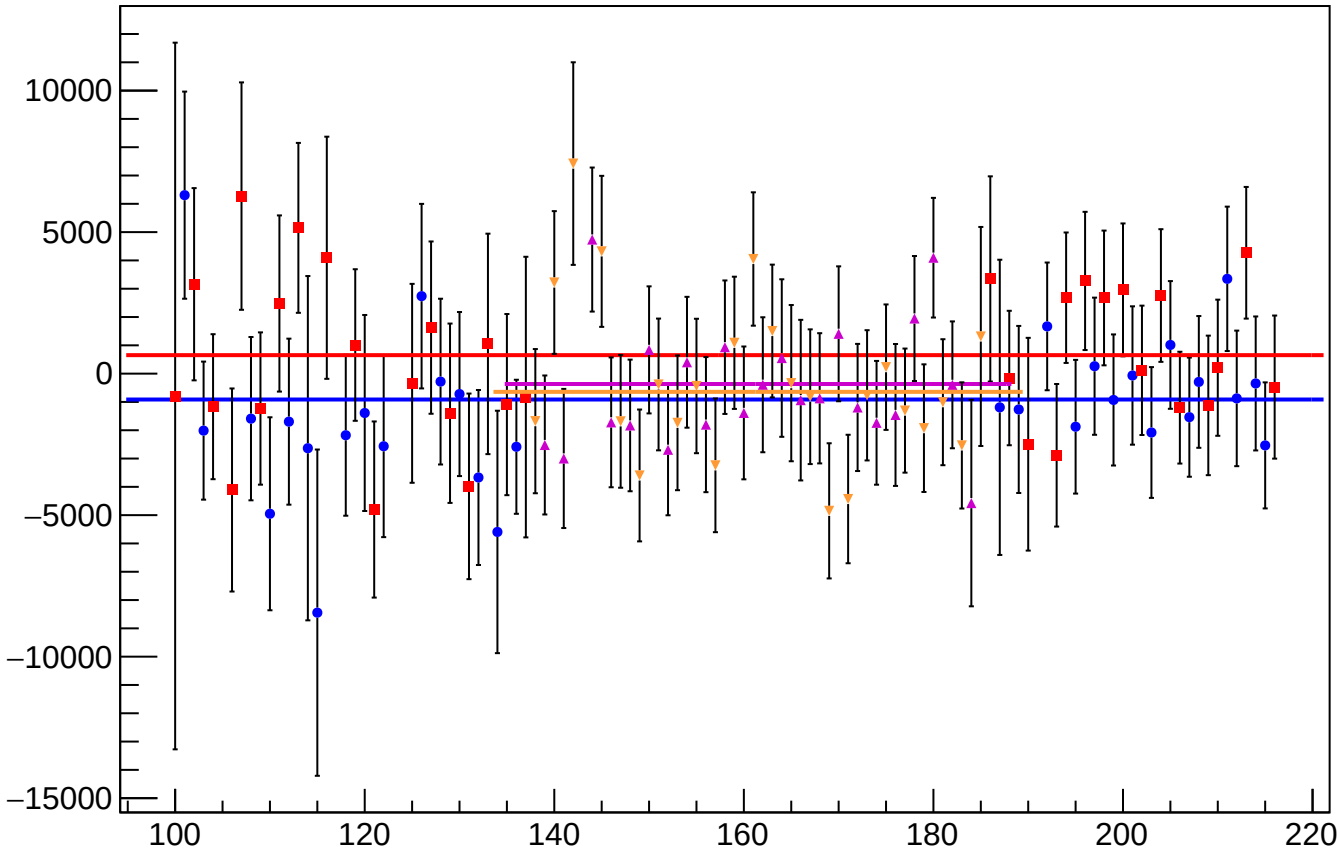
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2805.866+/-0.344 χ^2/NDF: 10203269.0/63

In: 1549.359+/-0.197 χ^2/NDF:13311165.6/53

Out: 1531.063+/-0.196 χ^2/NDF:14027317.3/56

All: 1540.135+/-0.139 χ^2/NDF: 27342812.2/1



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: 653.137+/-492.361 χ^2/NDF: 26.5/32

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

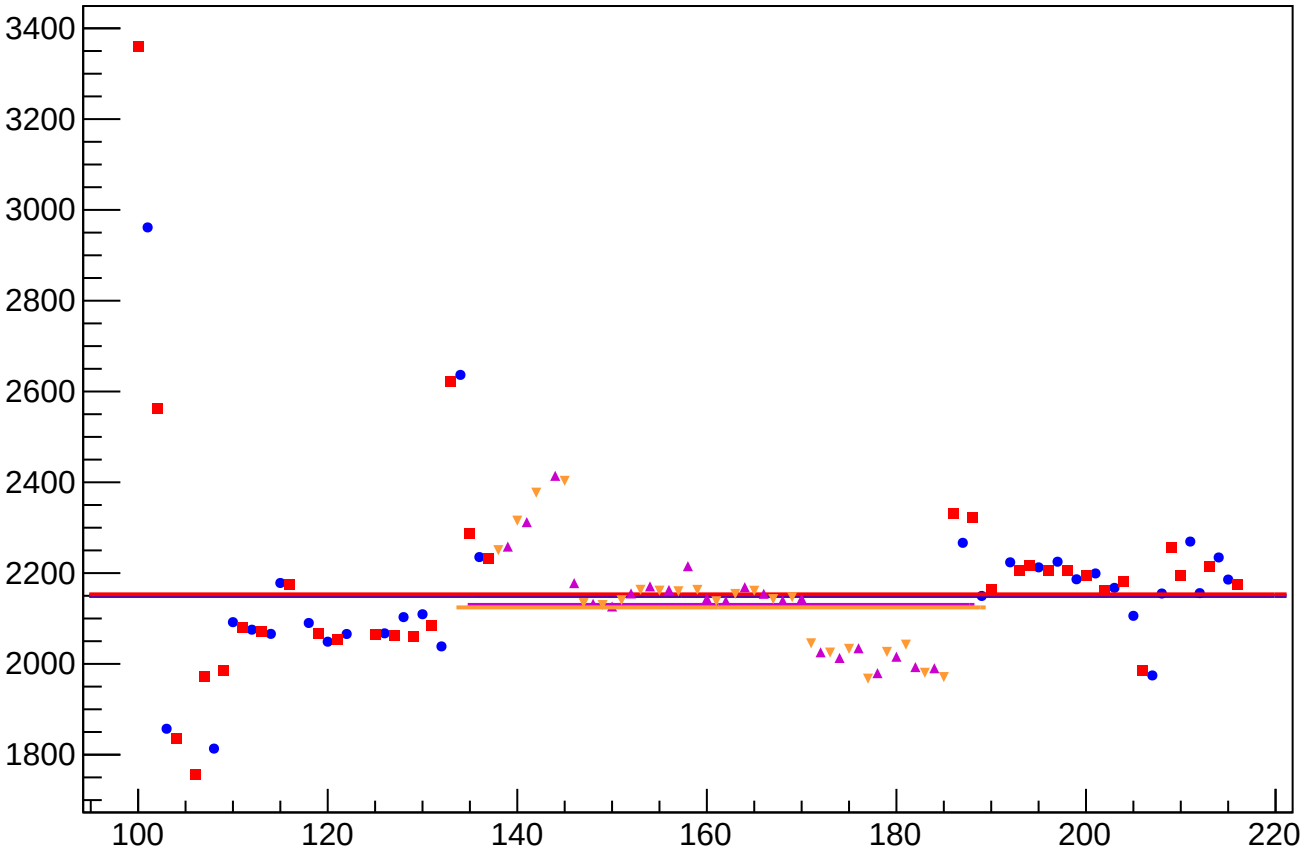
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -132.696+/-347.692 χ^2/NDF: 49.6/63

In: -644.302+/-349.624 χ^2/NDF:36.0/53

Out: 6.468+/-348.618 χ^2/NDF:57.1/56

All: -317.979+/-246.865 χ^2/NDF: 94.8/110



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: 2153.152+/-0.348 χ^2/NDF: 200400.7/32

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

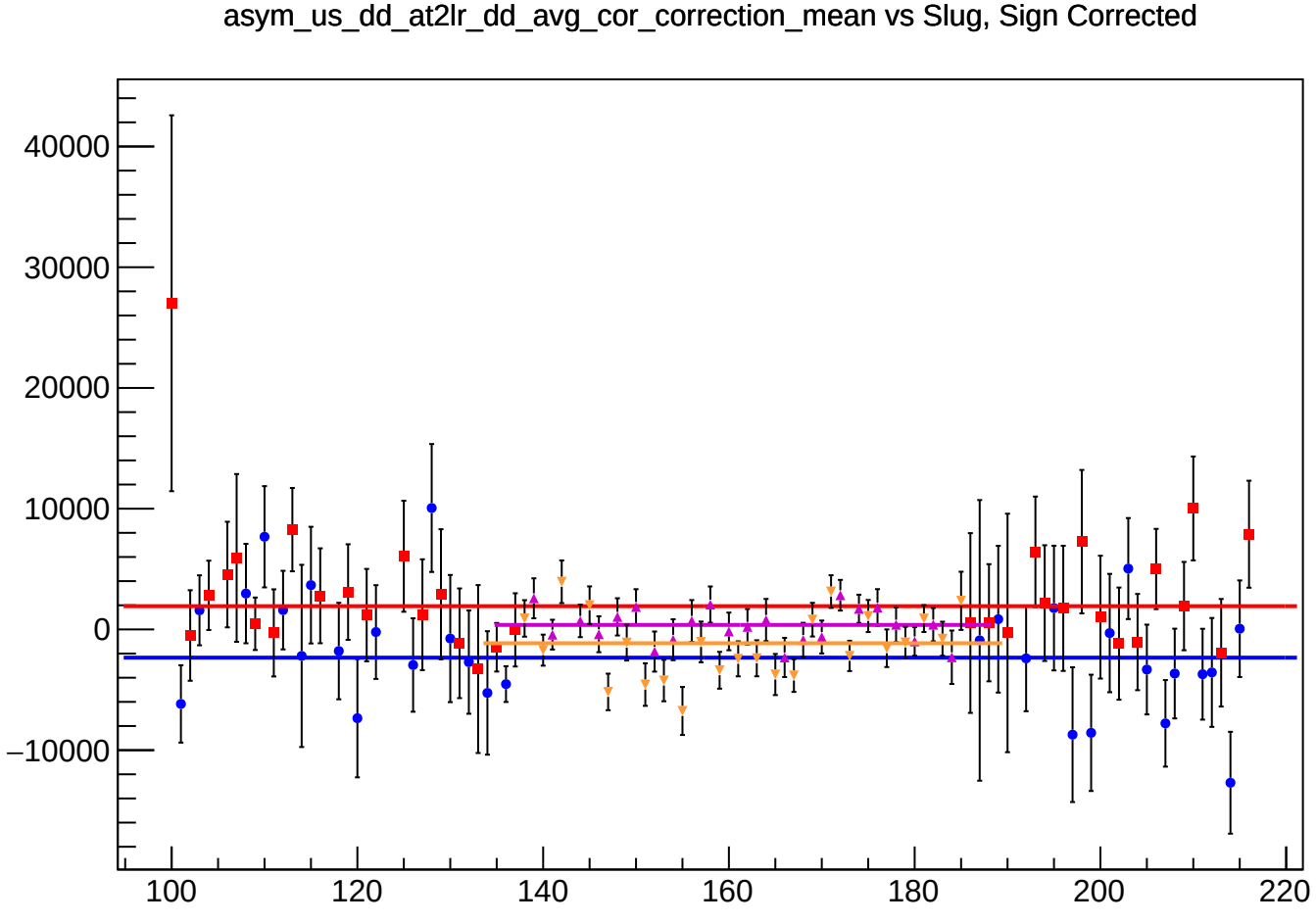
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2151.486+/-0.246 χ^2/NDF: 424324.7/63

In: 2140.000+/-0.247 χ^2/NDF:310857.3/53

Out: 2138.833+/-0.247 χ^2/NDF:292976.9/56

All: 2139.415+/-0.175 χ^2/NDF: 603845.4/110



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: 1926.738+/-691.763 χ^2/NDF: 23.3/32

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

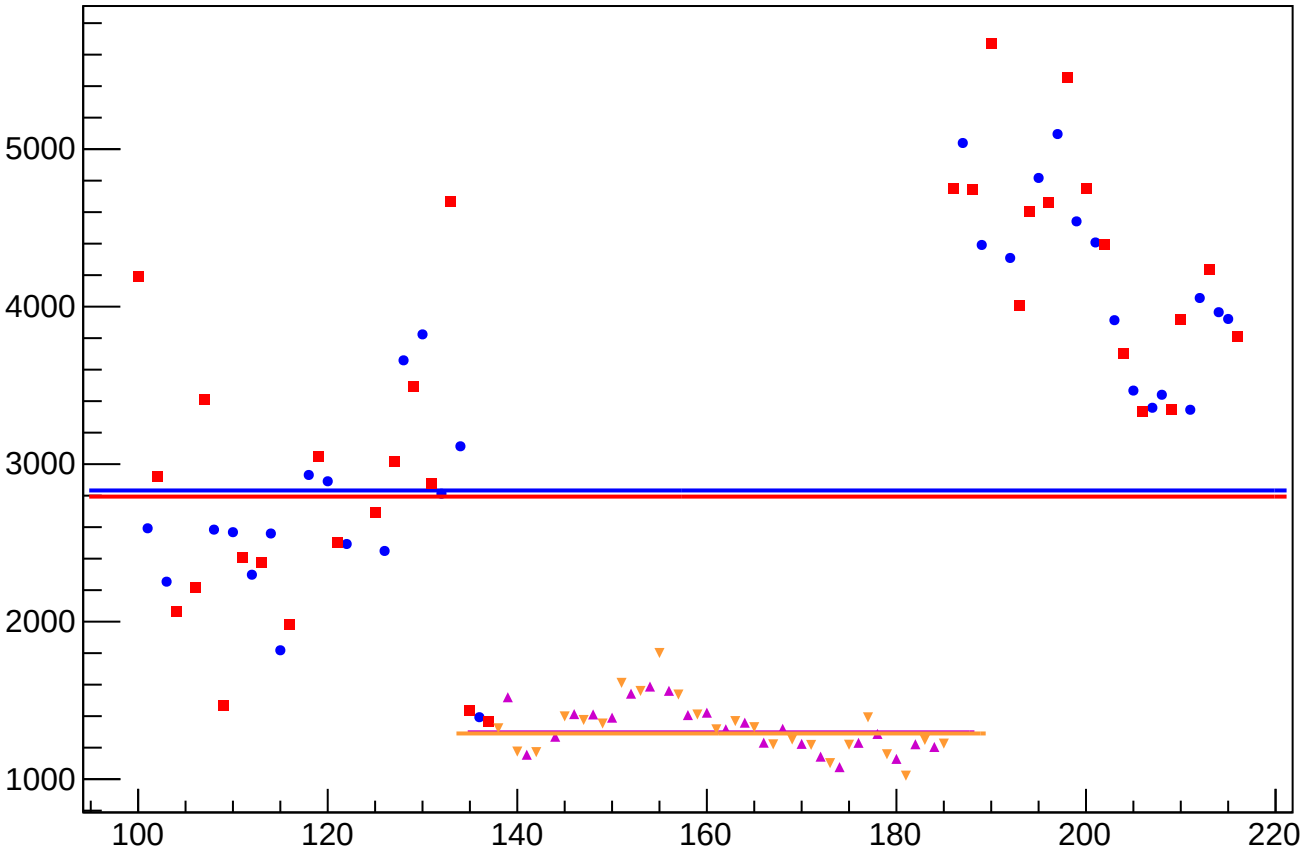
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -212.776+/-488.281 χ^2/NDF: 81.7/63

In: -71.488+/-279.206 χ^2/NDF:72.6/53

Out: -651.749+/-277.152 χ^2/NDF:107.3/56

All: -363.761+/-196.698 χ^2/NDF: 182.1/110



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: 2793.900+/-0.489 χ^2/NDF: 5542008.9/32

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

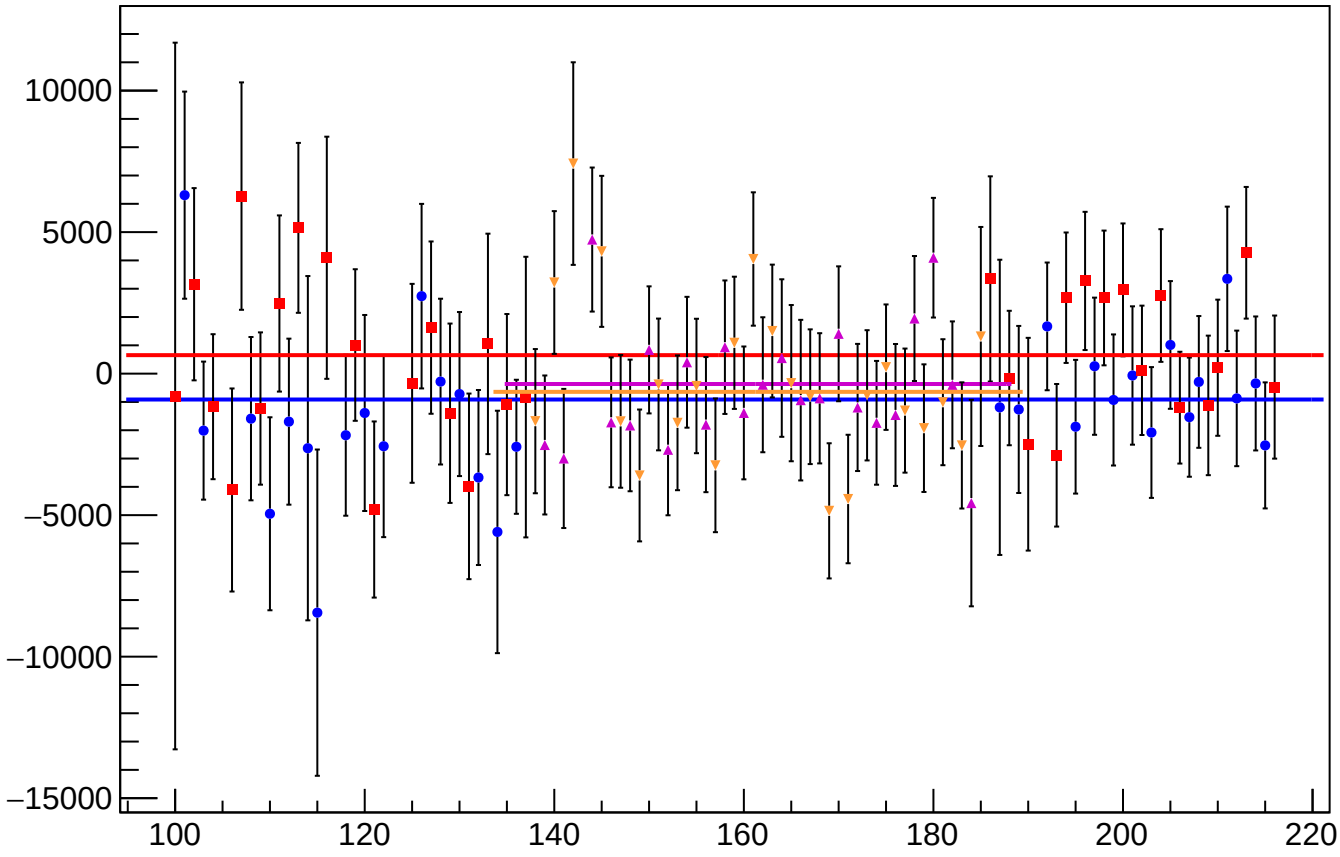
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2813.477+/-0.345 χ^2/NDF: 10126088.4/63

In: 1549.374+/-0.197 χ^2/NDF:13310488.3/53

Out: 1531.435+/-0.196 χ^2/NDF:14044805.8/56

All: 1540.339+/-0.139 χ^2/NDF: 27359452.6/



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: 653.137+/-492.361 χ^2/NDF: 26.5/32

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

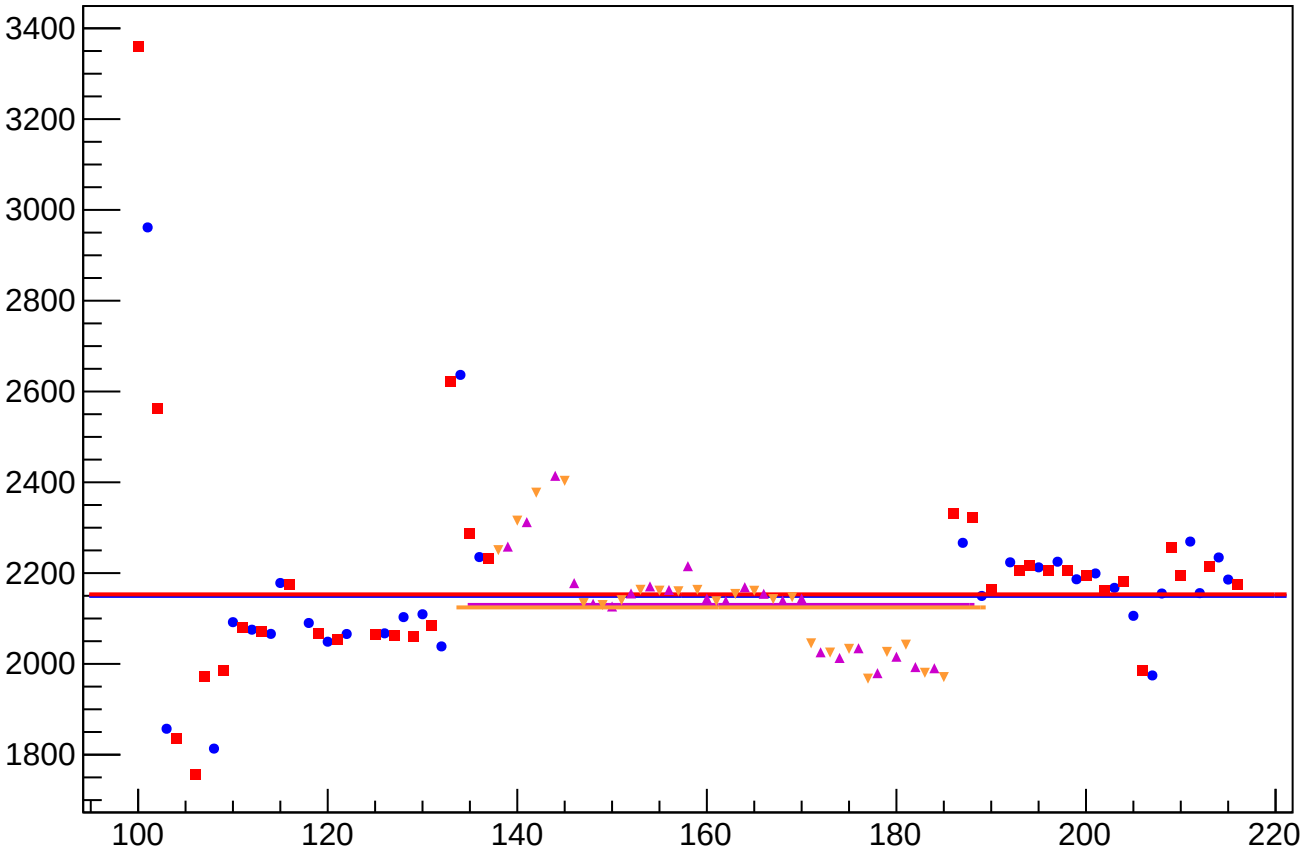
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -132.696+/-347.692 χ^2/NDF: 49.6/63

In: -644.302+/-349.624 χ^2/NDF:36.0/53

Out: 6.468+/-348.618 χ^2/NDF:57.1/56

All: -317.979+/-246.865 χ^2/NDF: 94.8/110



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: 2153.152+/-0.348 χ^2/NDF: 200400.7/32

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

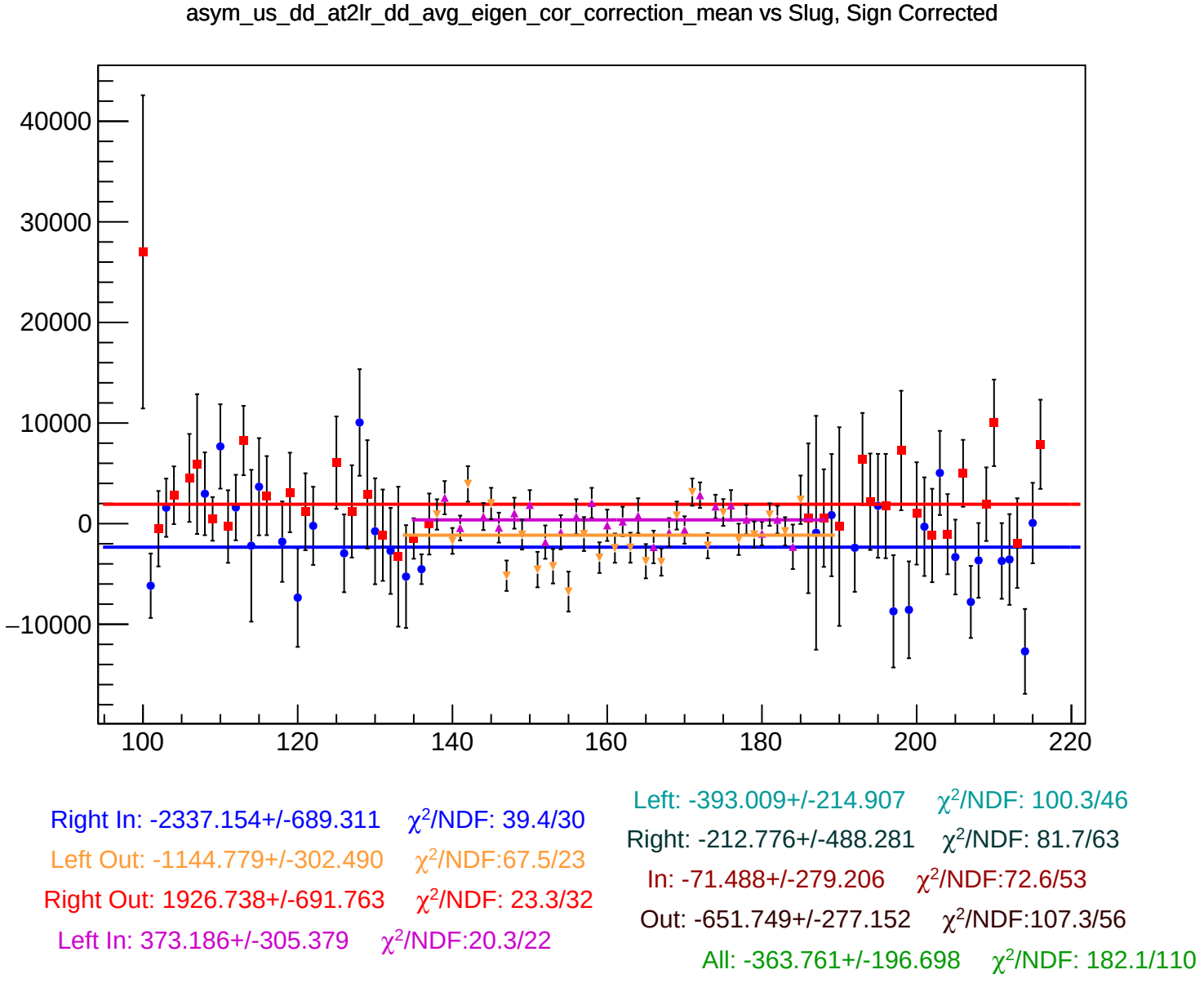
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

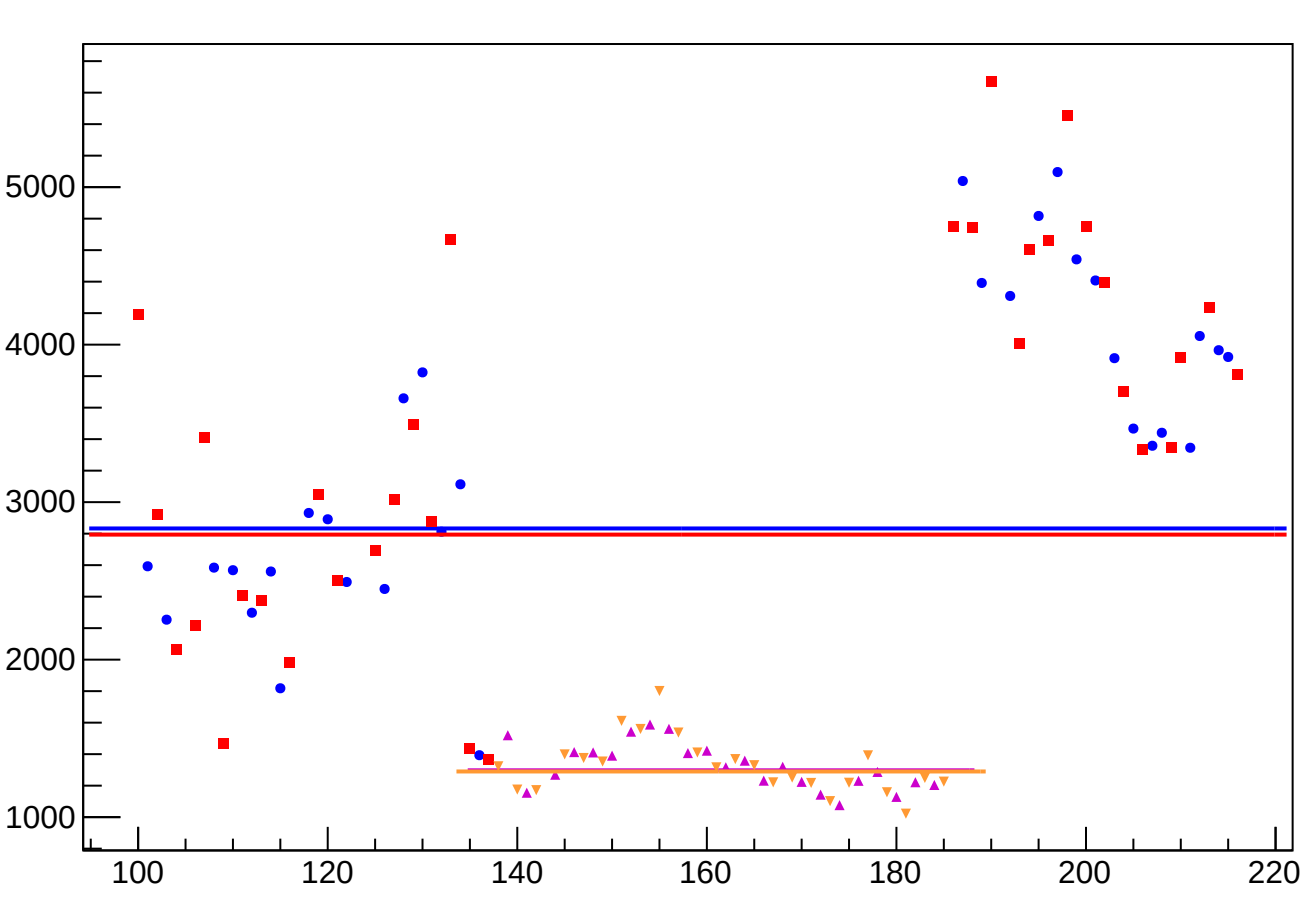
Right: 2151.486+/-0.246 χ^2/NDF: 424324.7/63

In: 2140.000+/-0.247 χ^2/NDF:310857.3/53

Out: 2138.833+/-0.247 χ^2/NDF:292976.9/56

All: 2139.415+/-0.175 χ^2/NDF: 603845.4/110


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -2337.154+/-689.311 χ²/NDF: 39.4/30
Left Out: -1144.779+/-302.490 χ²/NDF:67.5/23
Right Out: 1926.738+/-691.763 χ²/NDF: 23.3/32
Left In: 373.186+/-305.379 χ²/NDF:20.3/22
Left: -393.009+/-214.907 χ²/NDF: 100.3/46
Right: -212.776+/-488.281 χ²/NDF: 81.7/63
In: -71.488+/-279.206 χ²/NDF:72.6/53
Out: -651.749+/-277.152 χ²/NDF:107.3/56
All: -363.761+/-196.698 χ²/NDF: 182.1/110



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: 2793.900+/-0.489 χ^2/NDF: 5542008.9/32

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

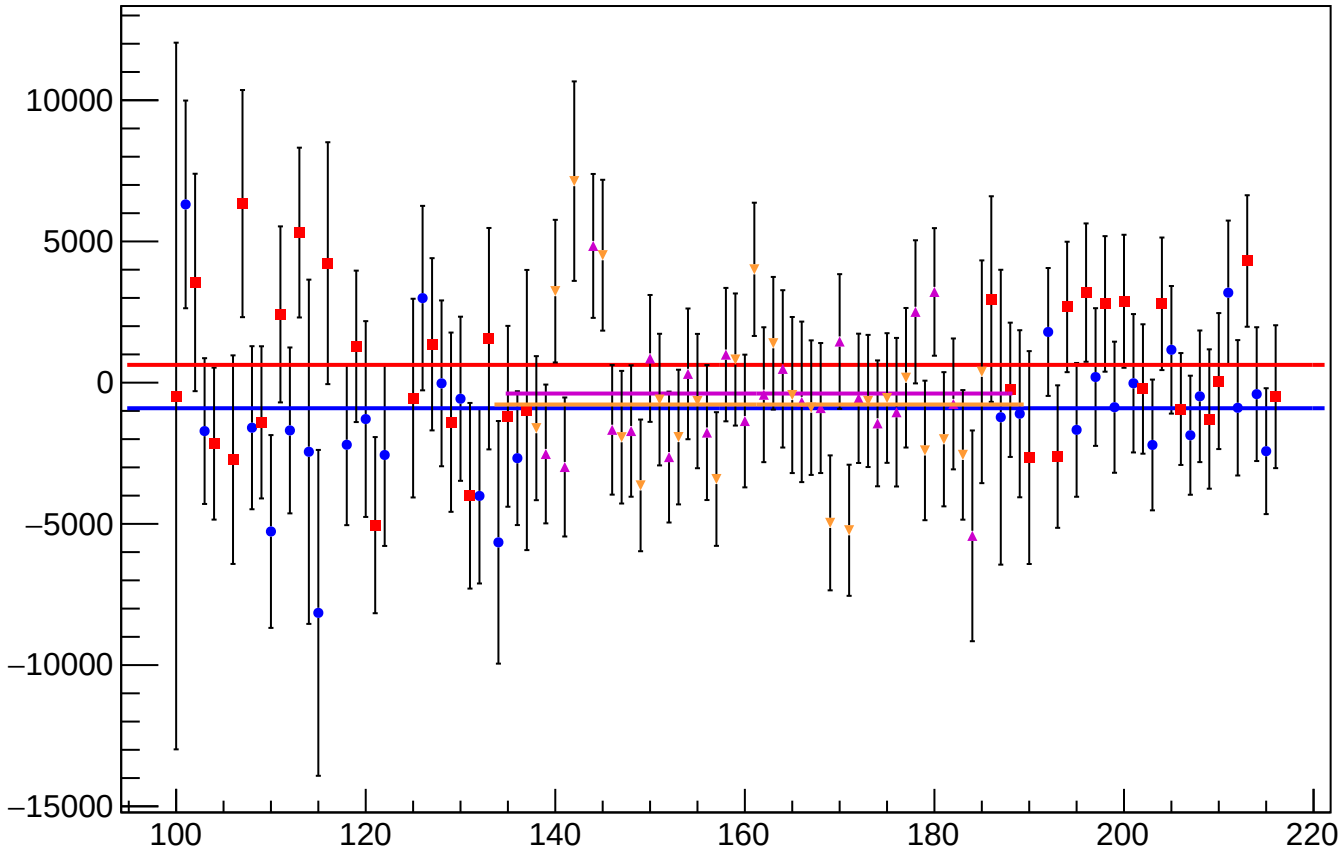
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2813.477+/-0.345 χ^2/NDF: 10126088.4/63

In: 1549.374+/-0.197 χ^2/NDF:13310488.3/53

Out: 1531.435+/-0.196 χ^2/NDF:14044805.8/56

All: 1540.339+/-0.139 χ^2/NDF: 27359452.6/



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: 629.493+/-495.609 χ^2/NDF: 26.5/32

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

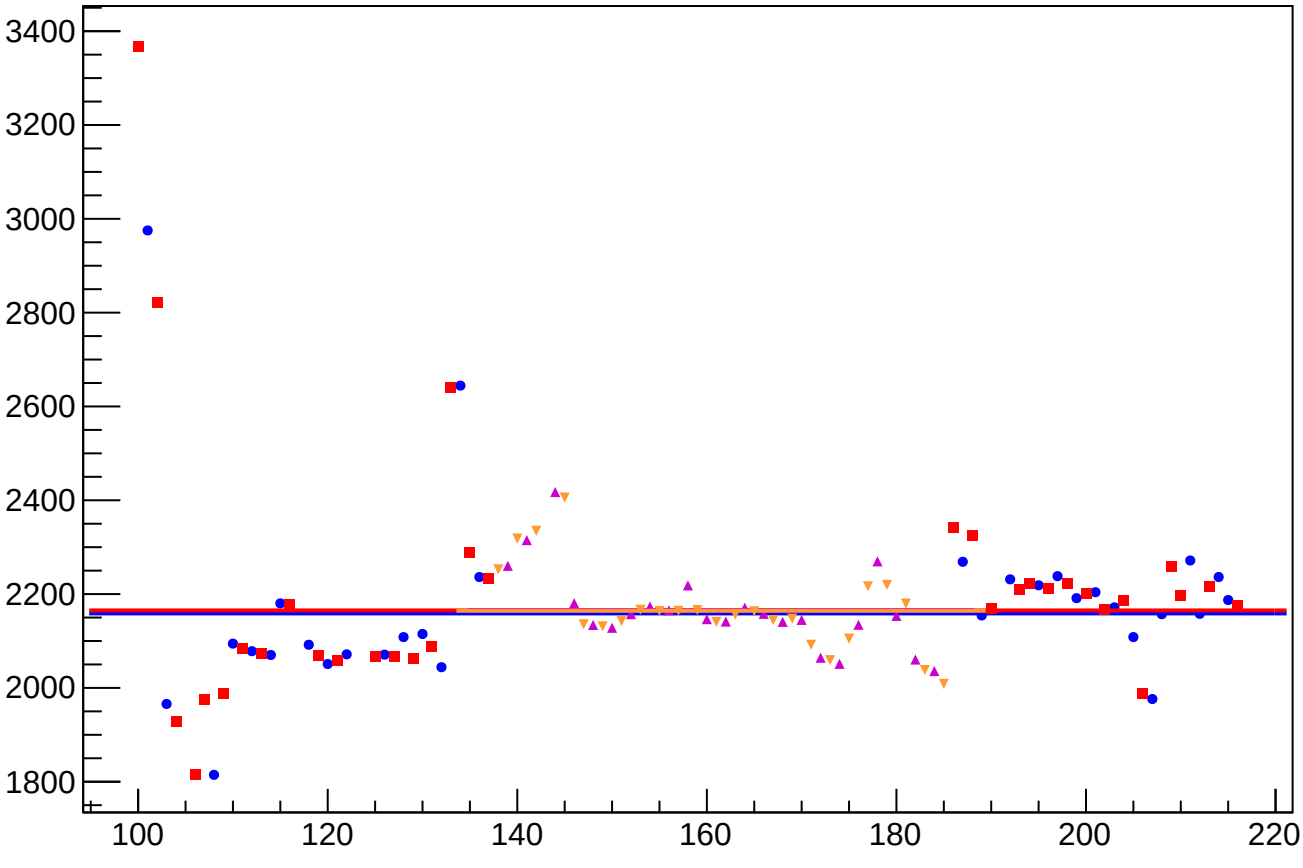
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -141.999+/-349.527 χ^2/NDF: 49.8/63

In: -652.136+/-353.132 χ^2/NDF:34.7/53

Out: -61.915+/-352.969 χ^2/NDF:59.0/56

All: -356.889+/-249.644 χ^2/NDF: 95.1/110



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: 2165.166+/-0.350 χ^2/NDF: 209036.5/32

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

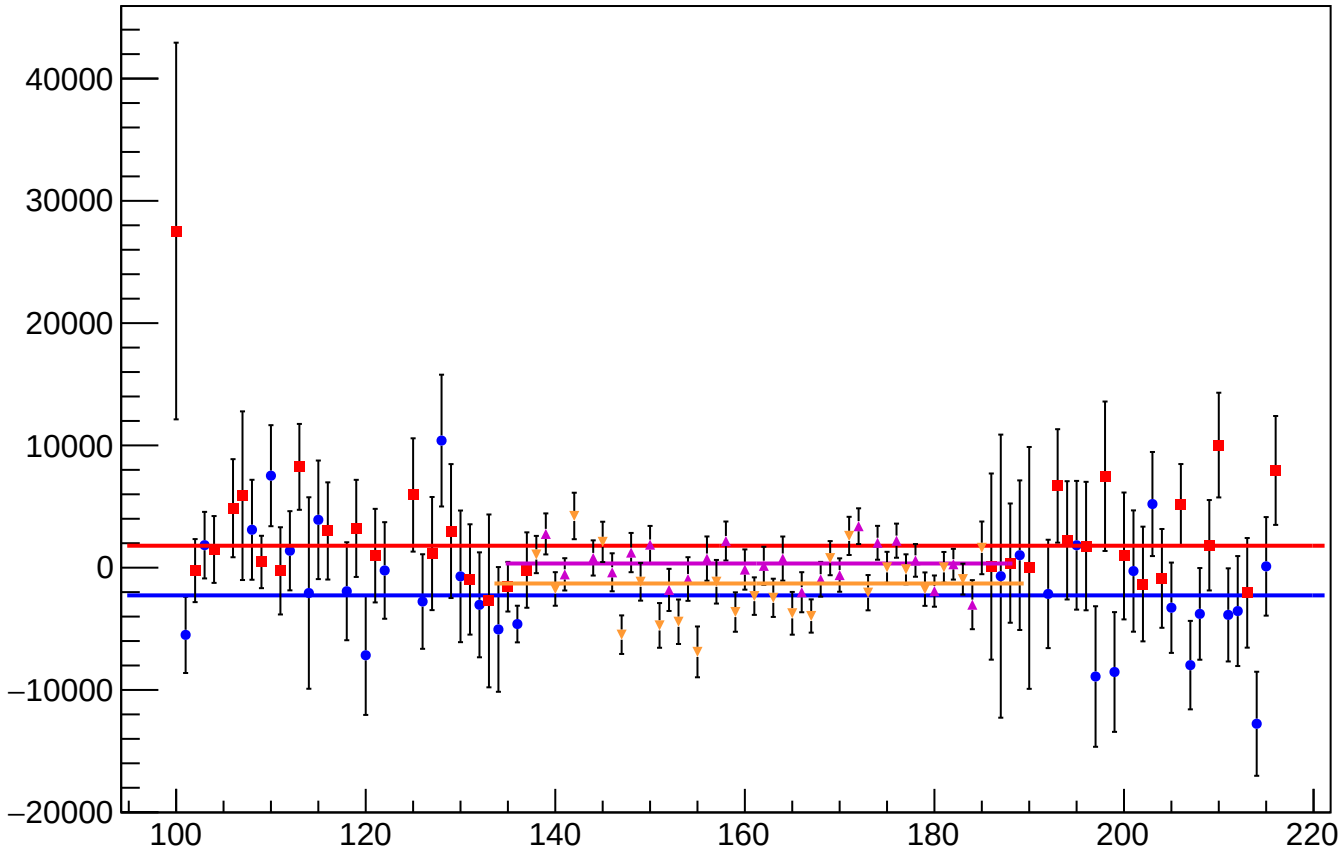
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2161.971+/-0.247 χ^2/NDF: 417390.1/63

In: 2162.138+/-0.250 χ^2/NDF:260499.8/53

Out: 2164.854+/-0.250 χ^2/NDF:259714.4/56

All: 2163.496+/-0.177 χ^2/NDF: 520273.4/110



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: 1794.735+/-678.620 χ^2/NDF: 23.9/32

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

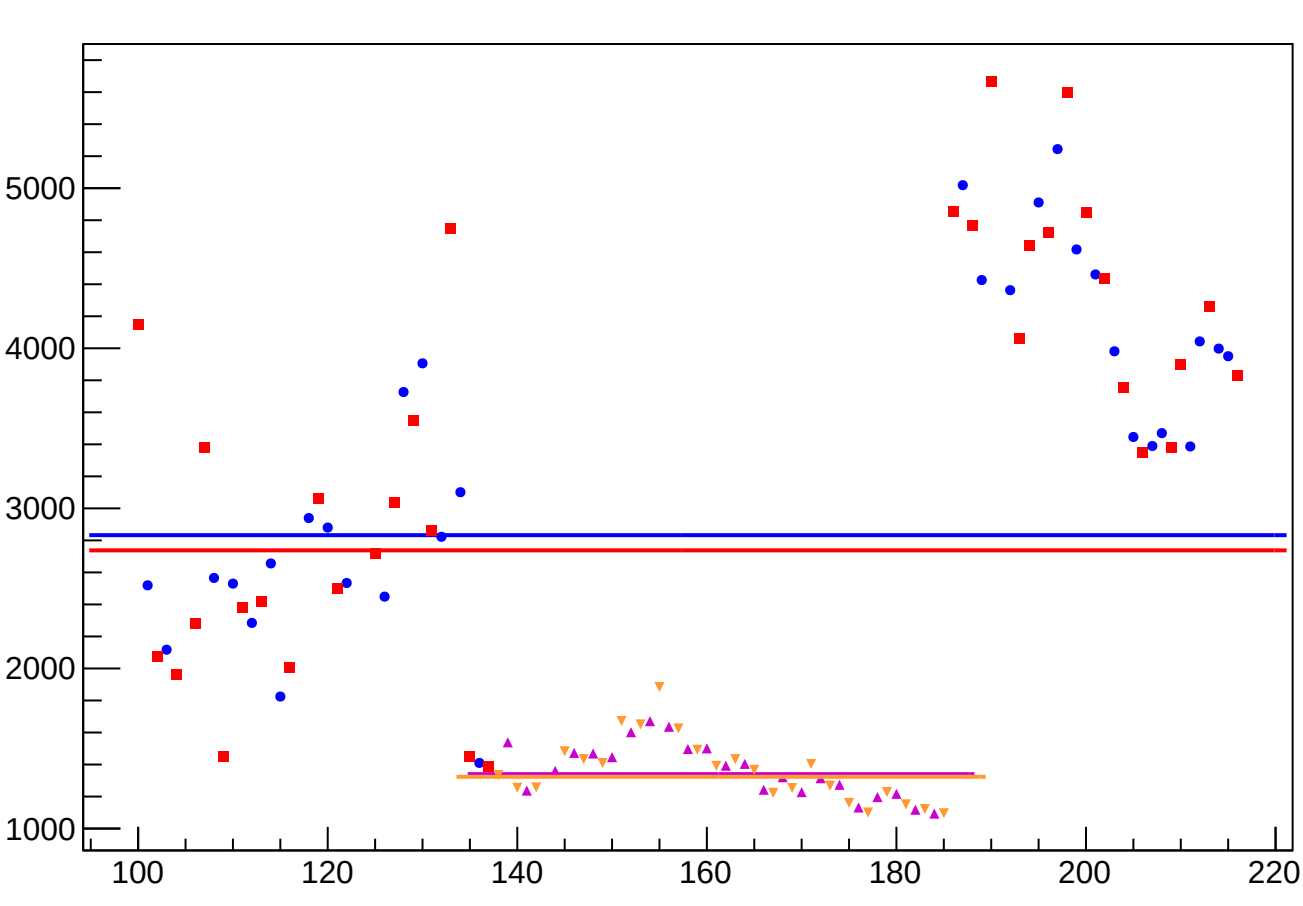
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -200.695+/-483.973 χ^2/NDF: 81.3/63

In: -109.315+/-287.007 χ^2/NDF:76.4/53

Out: -758.731+/-282.440 χ^2/NDF:99.7/56

All: -439.231+/-201.311 χ^2/NDF: 178.7/110



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: 2737.739+/-0.480 χ^2/NDF: 5823760.8/32

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

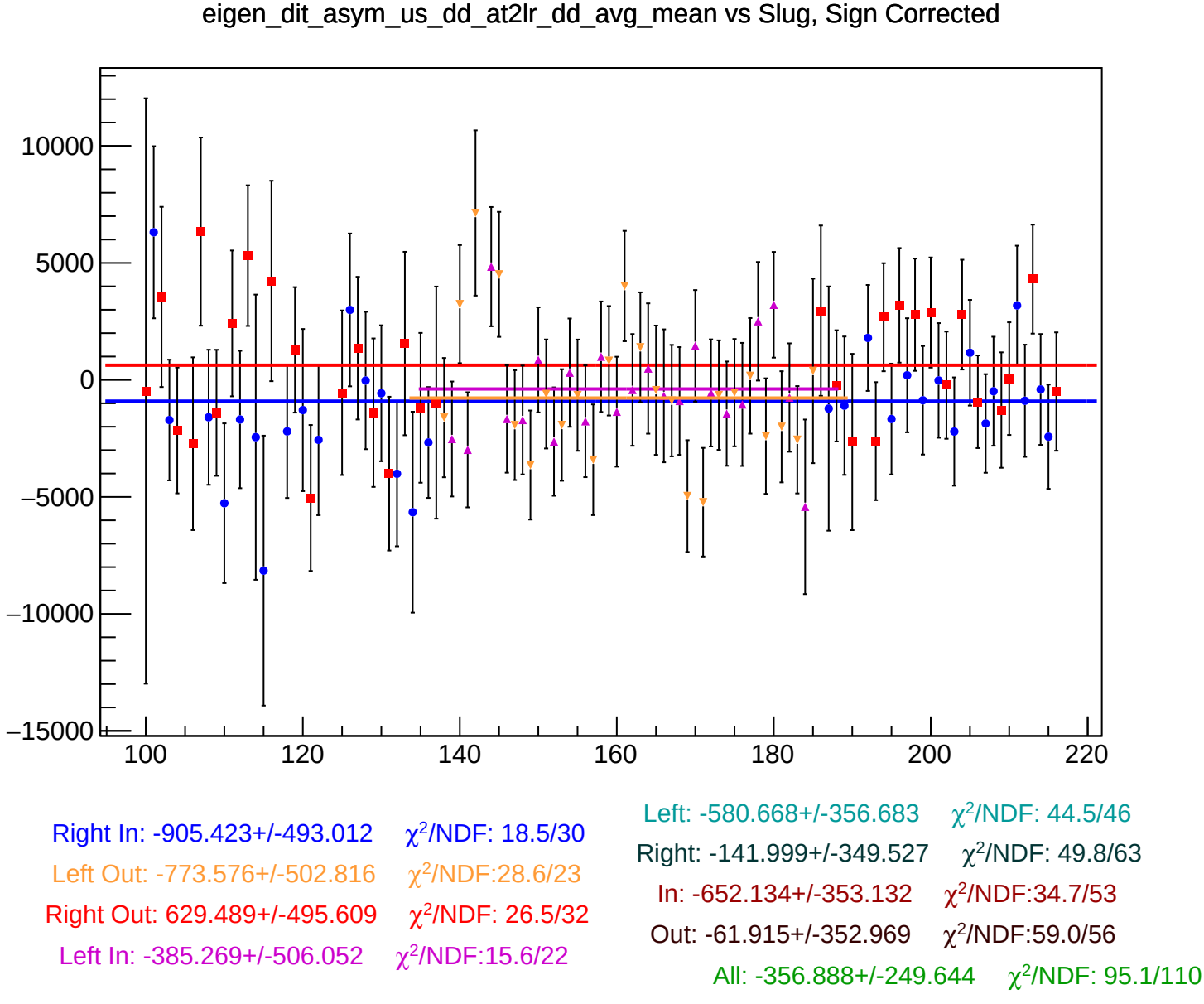
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

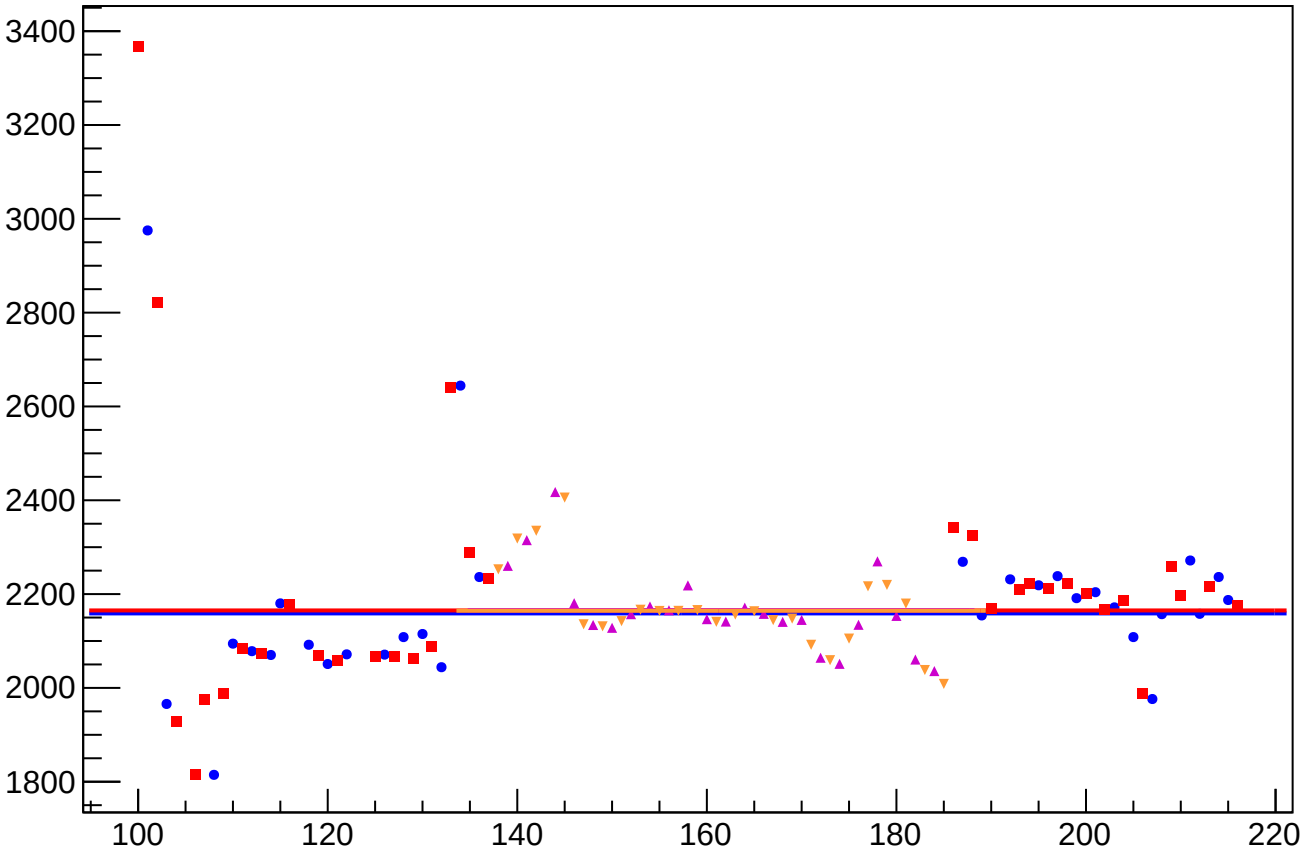
Right: 2784.437+/-0.342 χ^2/NDF: 10528502.4/63

In: 1598.034+/-0.203 χ^2/NDF:12912839.2/53

Out: 1568.395+/-0.200 χ^2/NDF:13670060.5/56

All: 1582.977+/-0.142 χ^2/NDF: 26593735.4/1


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: 629.489+/-495.609 χ²/NDF: 26.5/32
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -141.999+/-349.527 χ²/NDF: 49.8/63
In: -652.134+/-353.132 χ²/NDF:34.7/53
Out: -61.915+/-352.969 χ²/NDF:59.0/56
All: -356.888+/-249.644 χ²/NDF: 95.1/110



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: 2165.166+/-0.350 χ^2/NDF: 209036.4/32

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

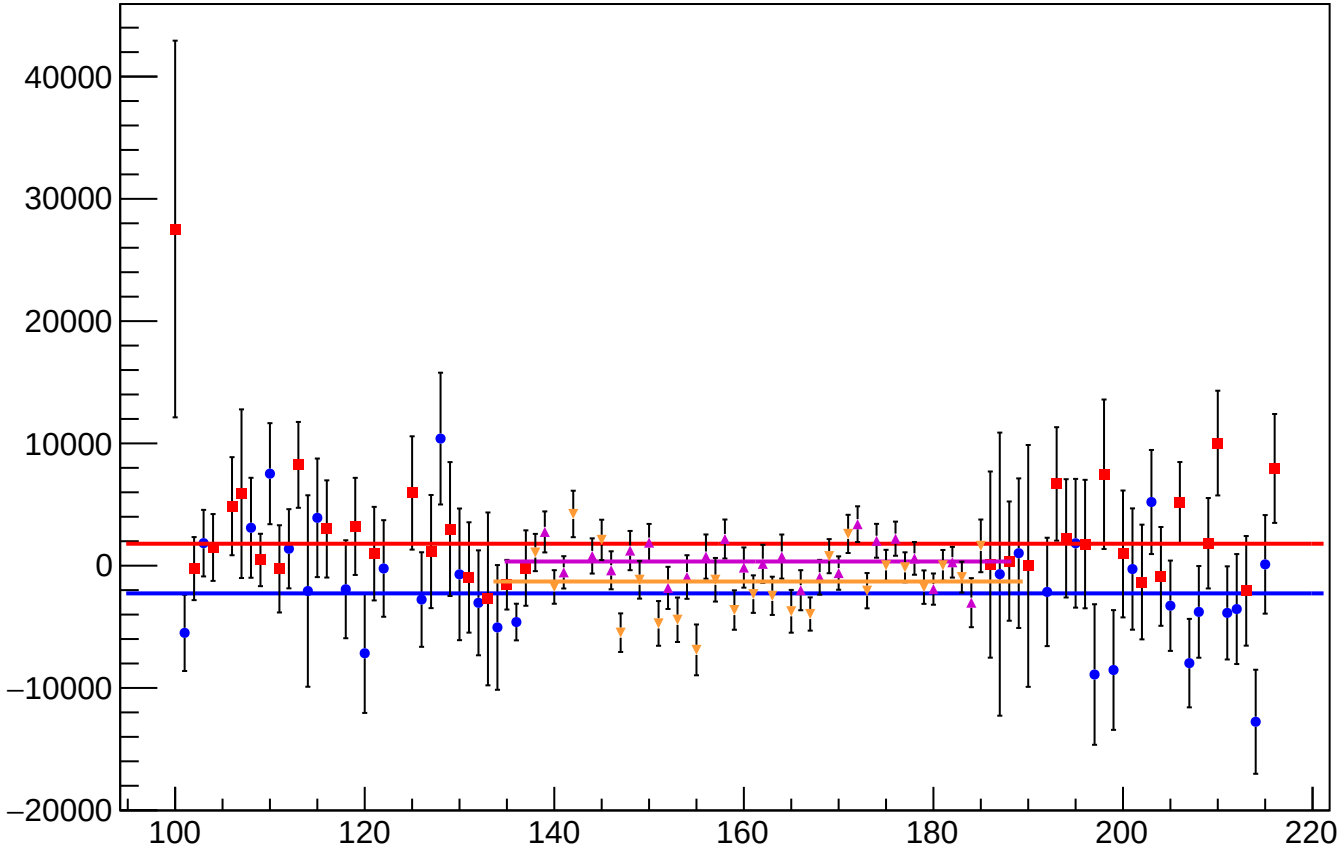
Right: 2161.971+/-0.247 χ^2/NDF: 417390.0/63

In: 2162.137+/-0.250 χ^2/NDF:260499.8/53

Out: 2164.854+/-0.250 χ^2/NDF:259714.3/56

All: 2163.496+/-0.177 χ^2/NDF: 520273.3/110

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: 1794.746+/-678.622 χ^2/NDF: 23.9/32

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

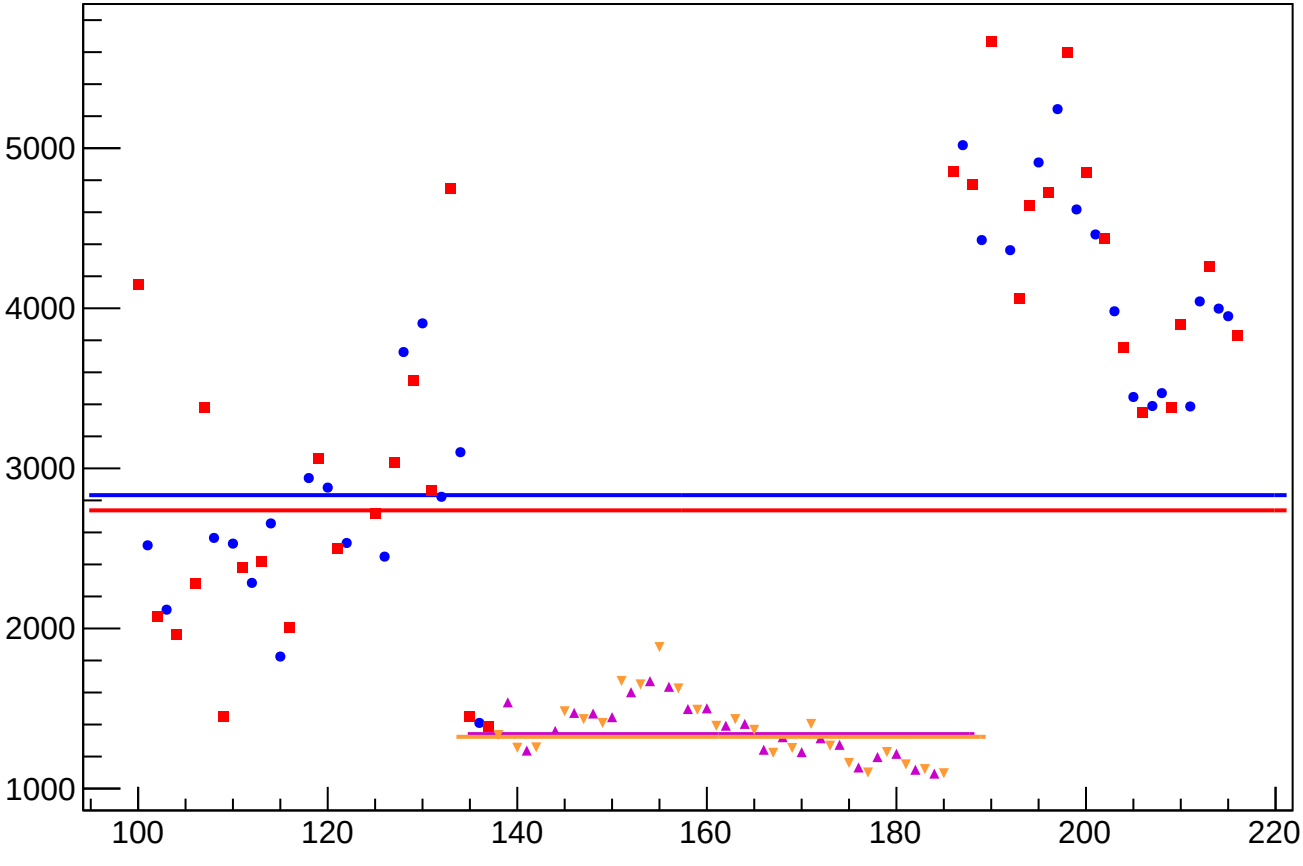
Right: -200.688+/-483.974 χ^2/NDF: 81.3/63

In: -109.314+/-287.007 χ^2/NDF:76.4/53

Out: -758.733+/-282.440 χ^2/NDF:99.7/56

All: -439.231+/-201.311 χ^2/NDF: 178.7/110

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: 2737.751+/-0.480 χ^2/NDF: 5823664.7/32

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

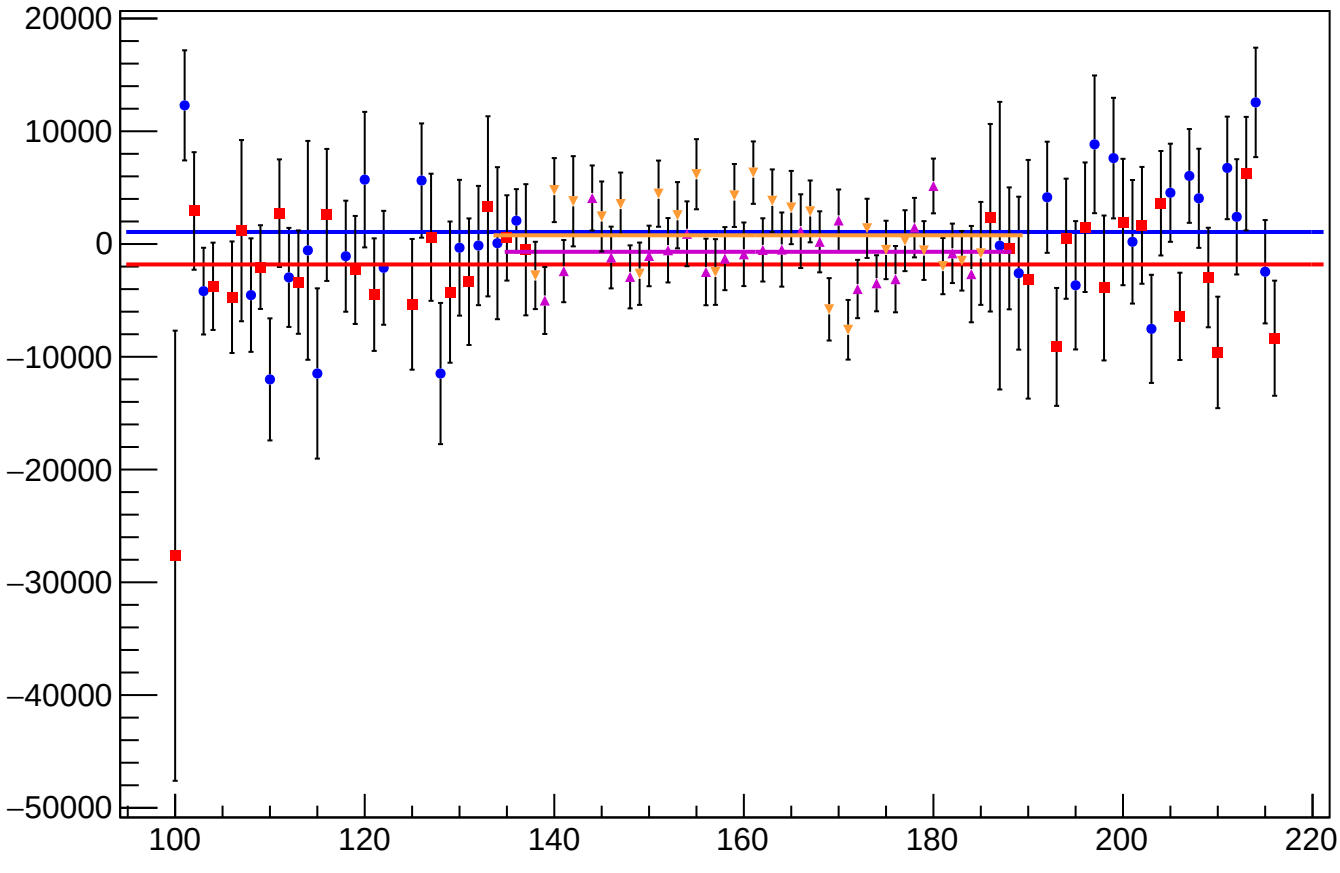
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2784.448+/-0.342 χ^2/NDF: 10528296.5/63

In: 1598.034+/-0.203 χ^2/NDF:12912837.6/53

Out: 1568.396+/-0.200 χ^2/NDF:13670053.4/56

All: 1582.977+/-0.142 χ^2/NDF: 26593725.5/1



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: -1810.179+/-909.293 χ^2/NDF: 20.1/32

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

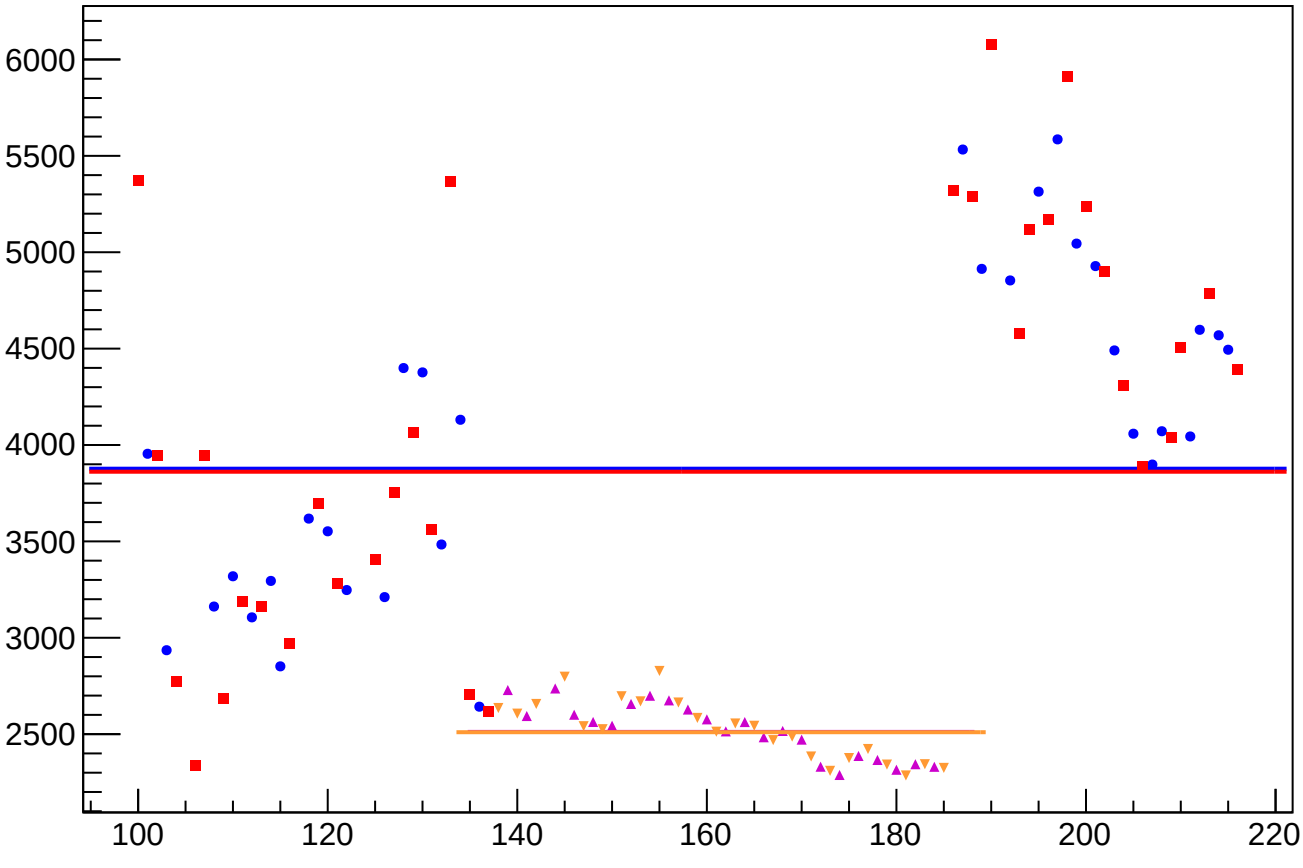
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -360.705+/-640.753 χ^2/NDF: 67.4/63

In: -166.998+/-492.418 χ^2/NDF:63.2/53

Out: 20.456+/-491.199 χ^2/NDF:65.2/56

All: -73.039+/-347.760 χ^2/NDF: 128.5/110



Right In: 3877.082+/-0.639 χ^2/NDF: 1566722.8/30

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3861.391+/-0.643 χ^2/NDF: 2184145.1/32

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

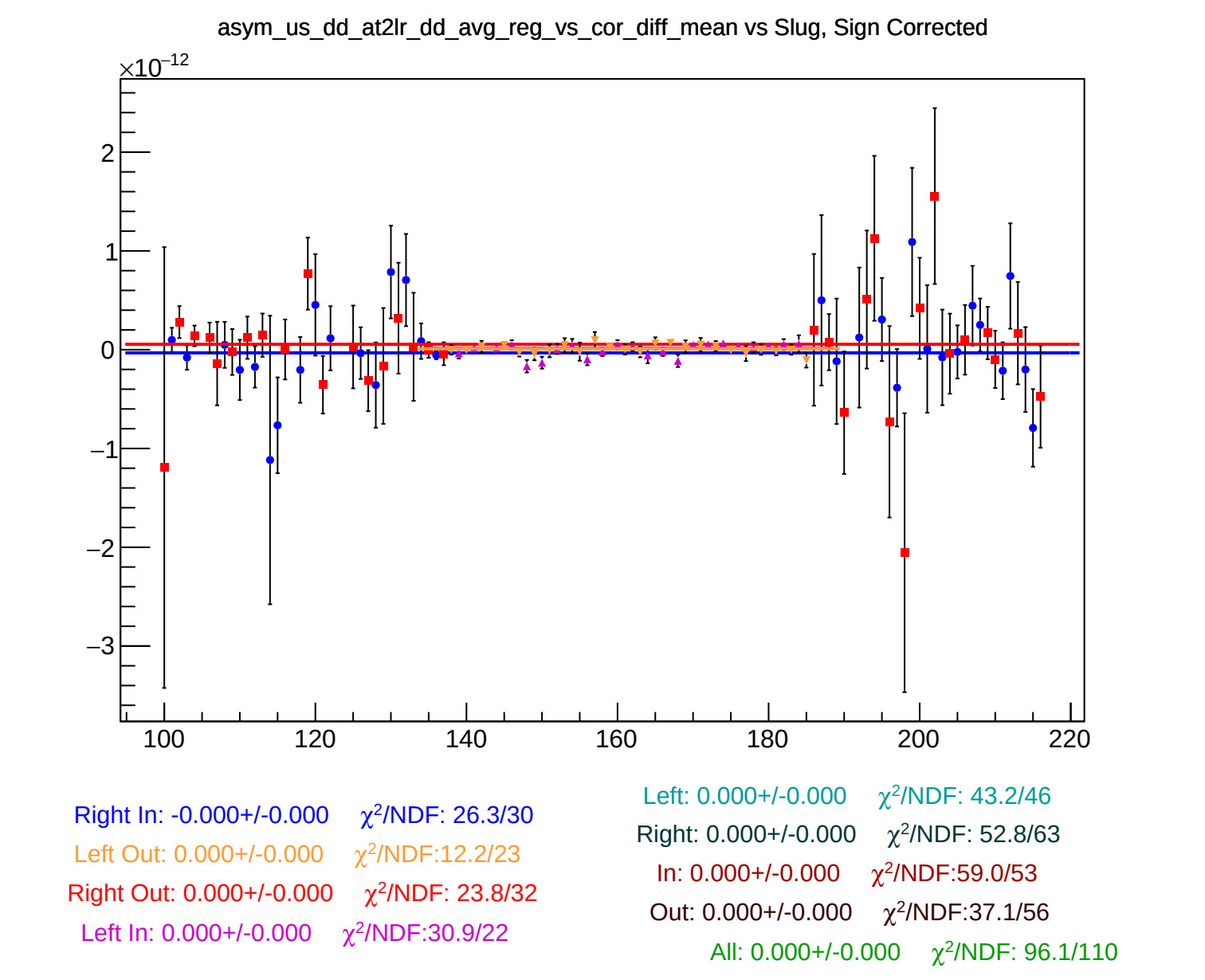
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

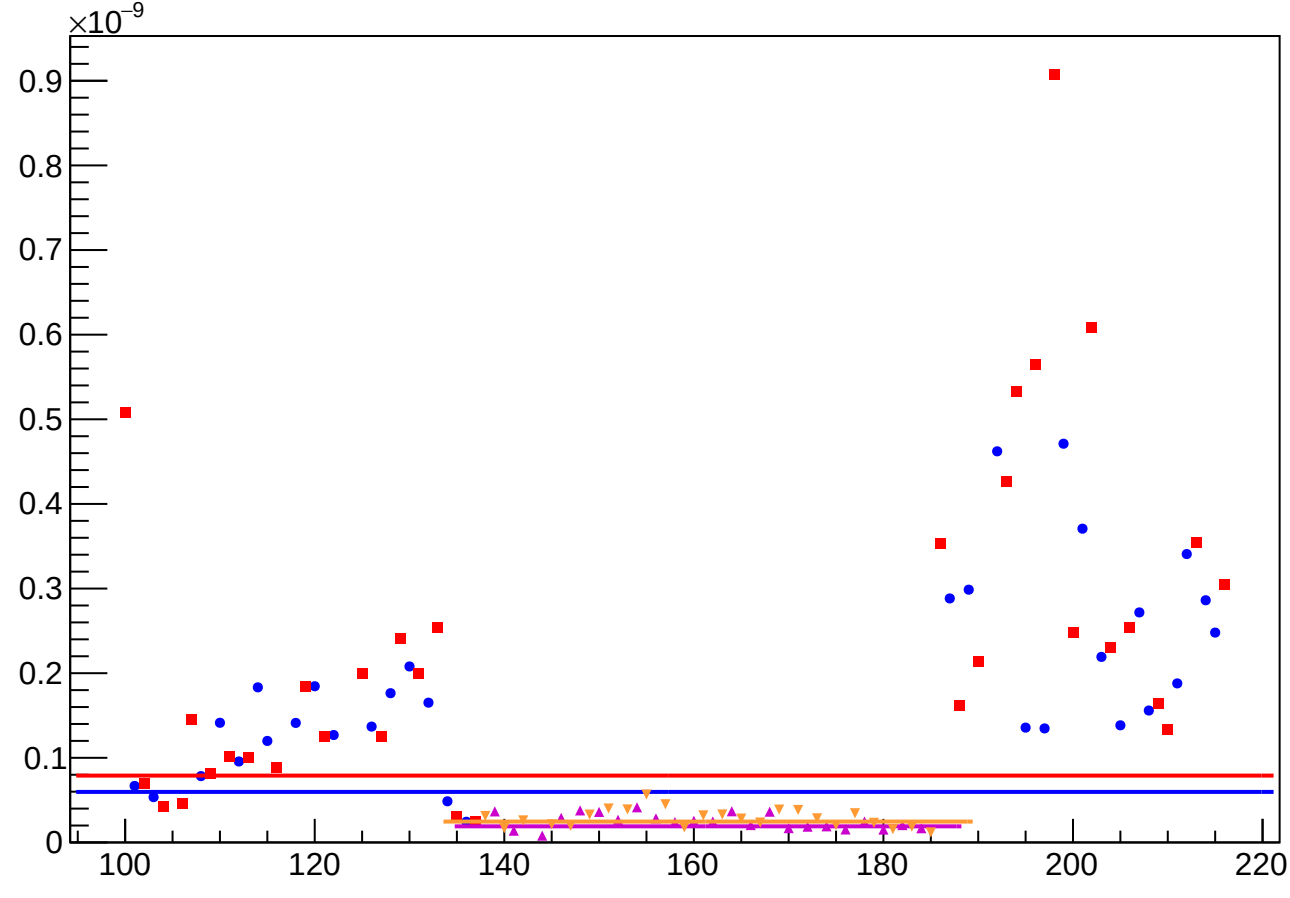
Right: 3869.290+/-0.453 χ^2/NDF: 3751167.8/63

In: 2917.601+/-0.348 χ^2/NDF:4893224.1/53

Out: 2904.409+/-0.347 χ^2/NDF:5440958.6/56

All: 2910.989+/-0.246 χ^2/NDF: 10334902.4/1


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 26.3/30
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.8/32
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 52.8/63
In: 0.000+/-0.000 χ²/NDF:59.0/53
Out: 0.000+/-0.000 χ²/NDF:37.1/56
All: 0.000+/-0.000 χ²/NDF: 96.1/110



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: 8289160.6/32

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

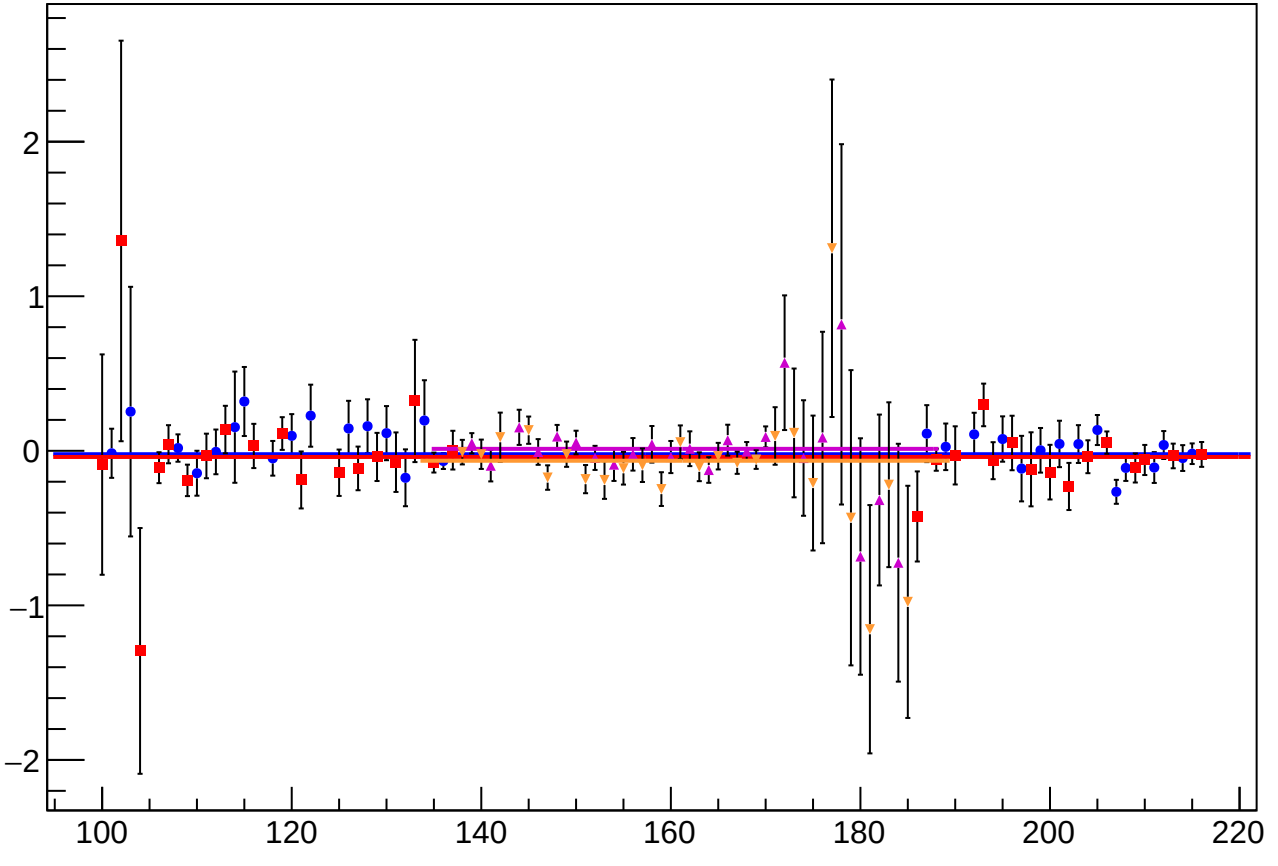
Right: 0.000+/-0.000 χ^2/NDF: 16662766.9/63

In: 0.000+/-0.000 χ^2/NDF:13187293.2/53

Out: 0.000+/-0.000 χ^2/NDF:13079745.1/56

All: 0.000+/-0.000 χ^2/NDF: 26733242.9/110

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: -0.040+/-0.021 χ^2/NDF: 25.5/32

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

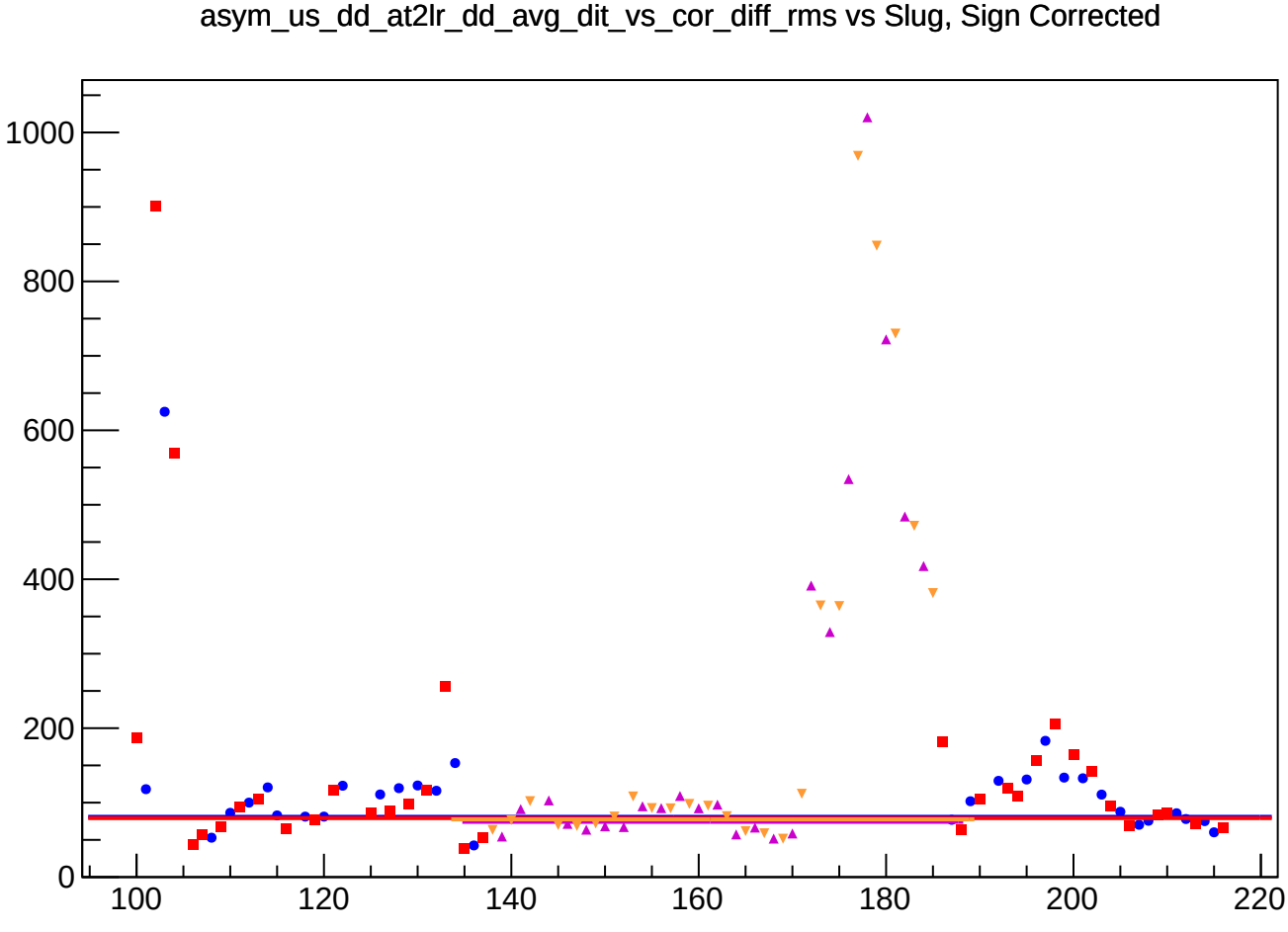
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.031+/-0.015 χ^2/NDF: 53.9/63

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.051+/-0.015 χ^2/NDF:48.5/56

All: -0.028+/-0.011 χ^2/NDF: 97.7/110



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: 79.215+/-0.015 χ^2/NDF: 6139343.1/32

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

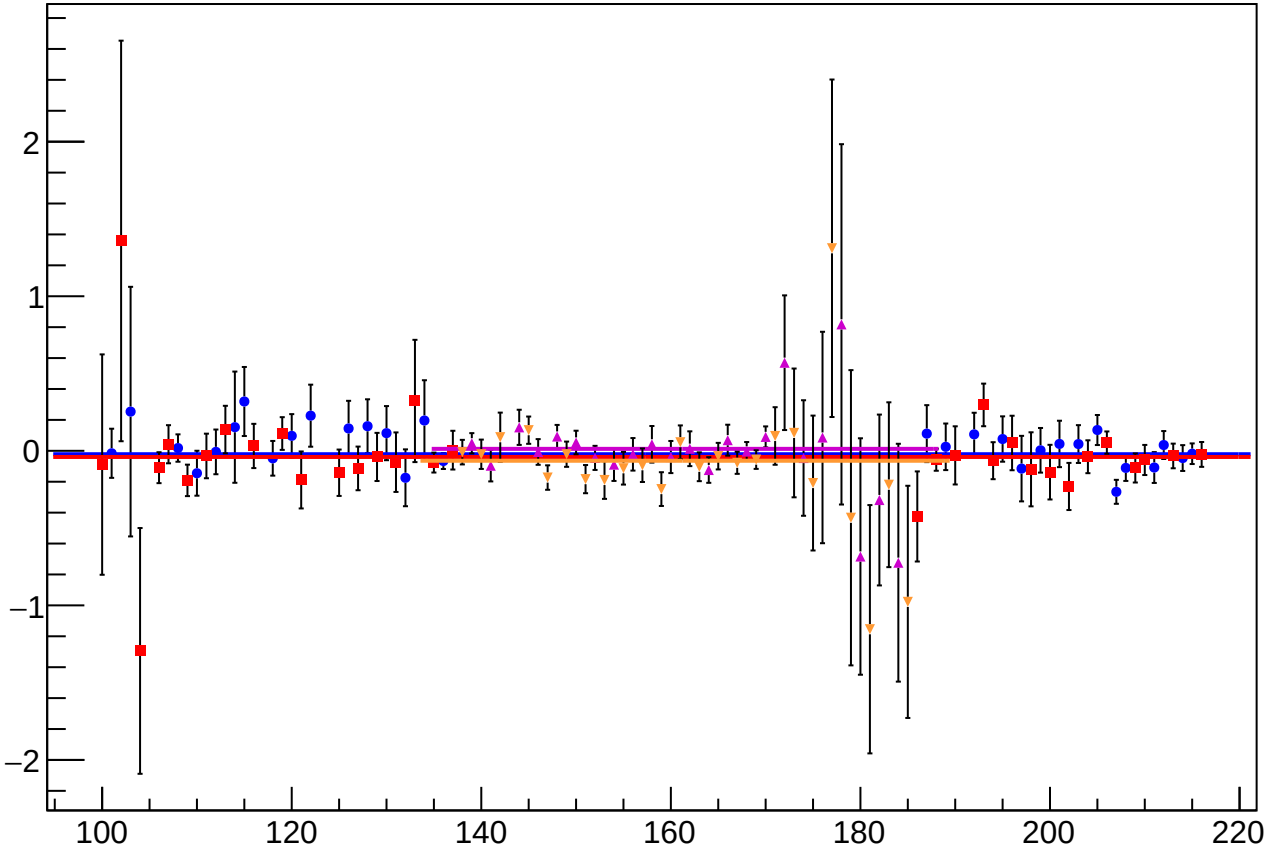
Right: 80.105+/-0.010 χ^2/NDF: 10981325.2/63

In: 77.659+/-0.010 χ^2/NDF:13453271.6/53

Out: 78.422+/-0.011 χ^2/NDF:14476653.8/56

All: 78.031+/-0.007 χ^2/NDF: 27932514.5/110

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: -0.040+/-0.021 χ^2/NDF: 25.5/32

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

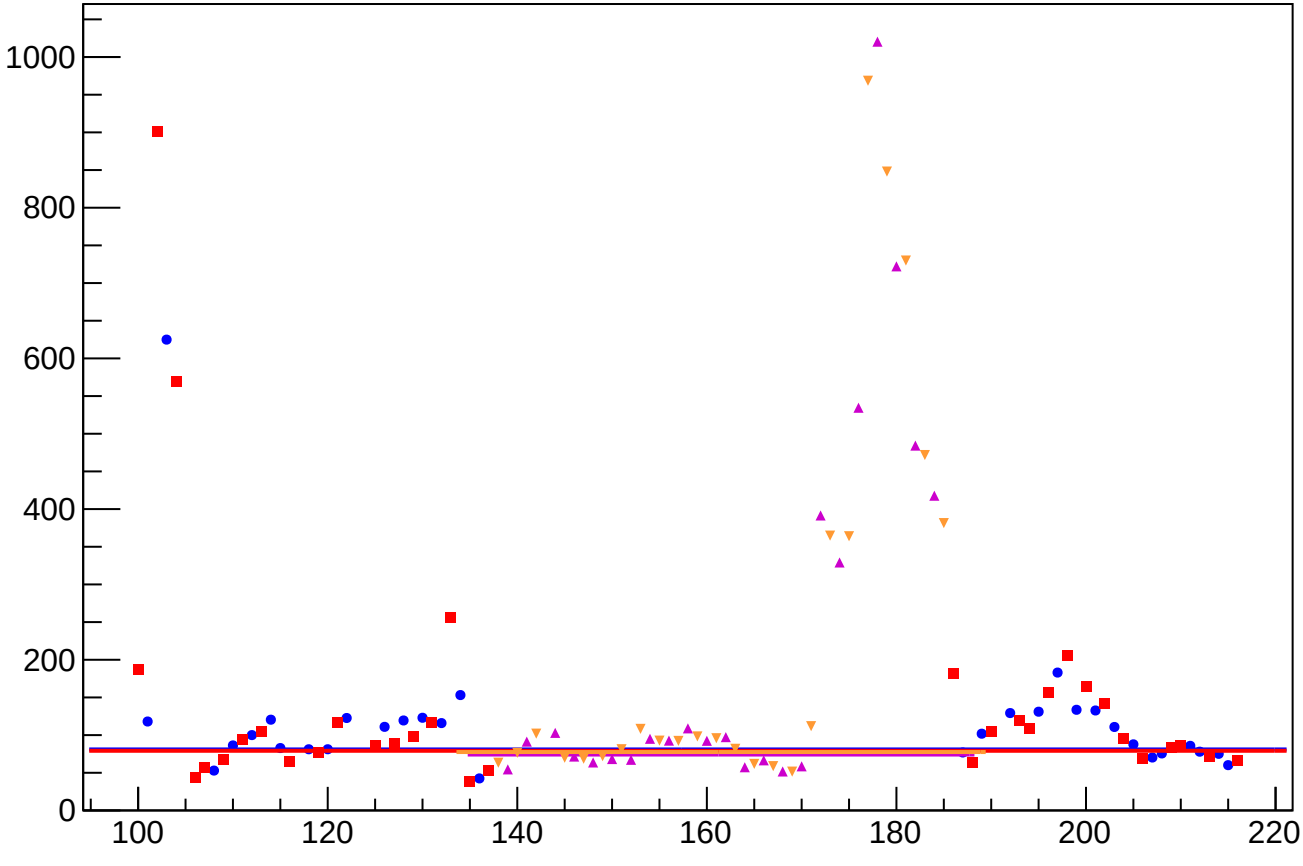
Right: -0.031+/-0.015 χ^2/NDF: 53.9/63

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.051+/-0.015 χ^2/NDF:48.5/56

All: -0.028+/-0.011 χ^2/NDF: 97.7/110

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: 79.215+/-0.015 χ^2/NDF: 6139343.1/32

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

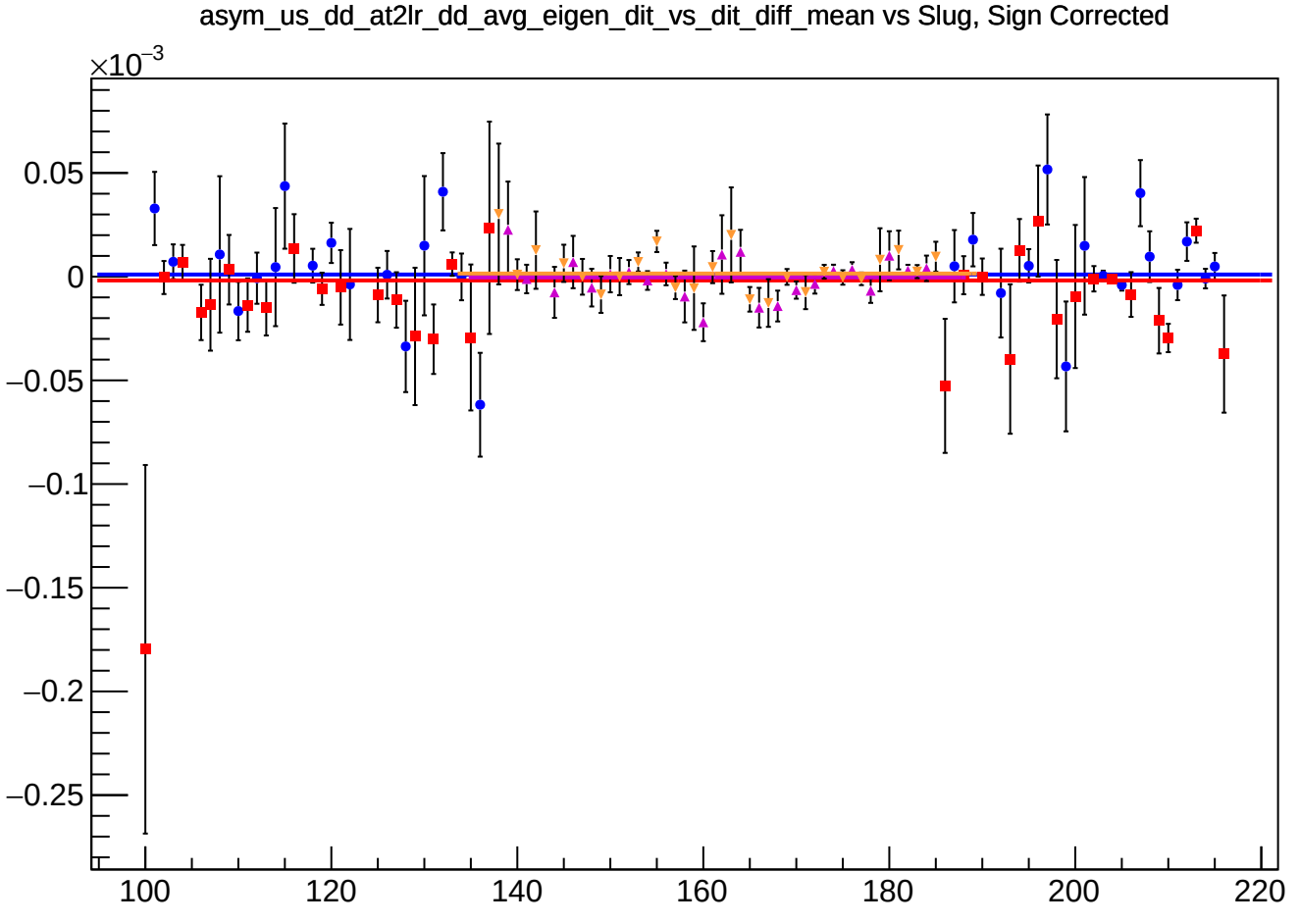
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 80.105+/-0.010 χ^2/NDF: 10981325.2/63

In: 77.659+/-0.010 χ^2/NDF:13453271.6/53

Out: 78.422+/-0.011 χ^2/NDF:14476653.8/56

All: 78.031+/-0.007 χ^2/NDF: 27932514.5/110



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: 60.3/32

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

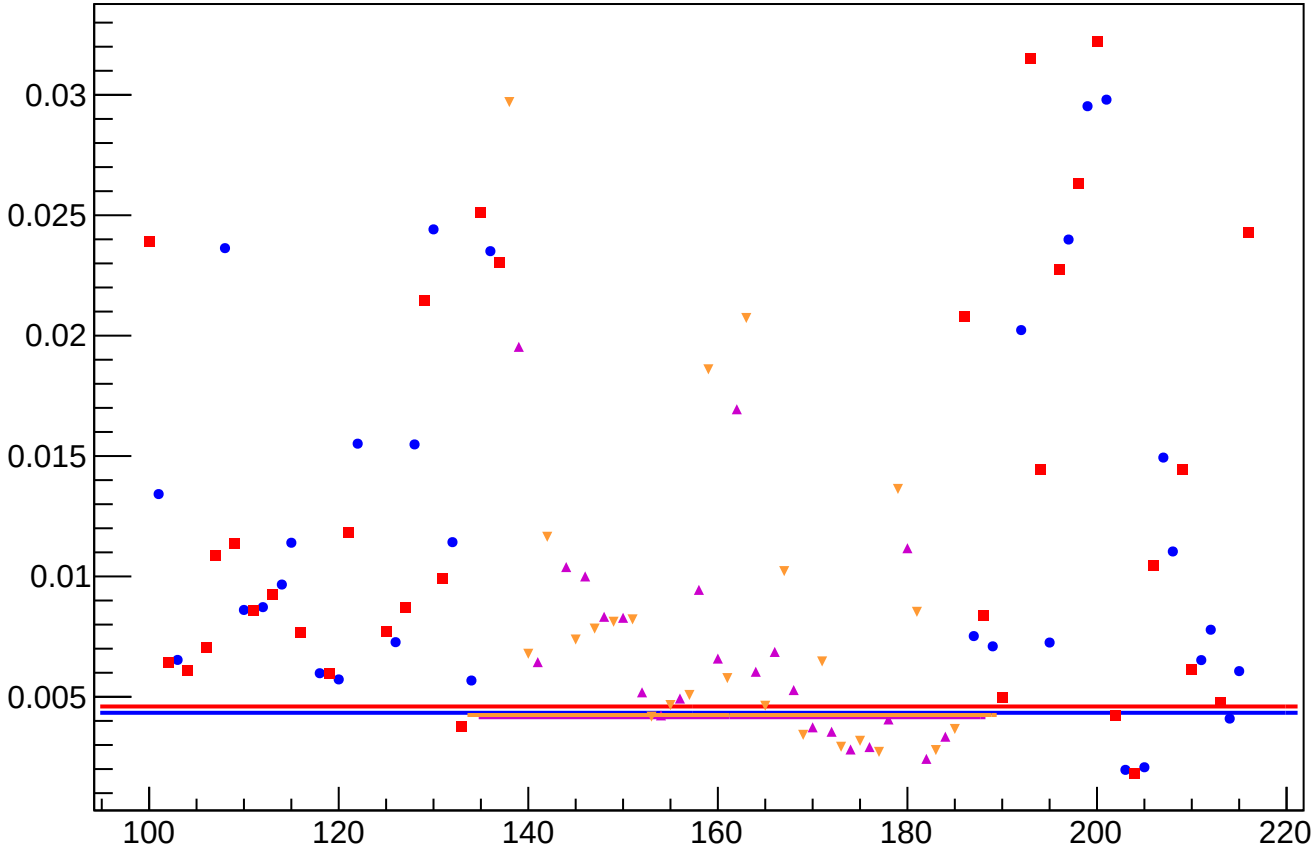
Right: -0.000+/-0.000 χ^2/NDF: 108.3/63

In: 0.000+/-0.000 χ^2/NDF:71.1/53

Out: 0.000+/-0.000 χ^2/NDF:90.6/56

All: 0.000+/-0.000 χ^2/NDF: 161.8/110

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: 15838254.3/32

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

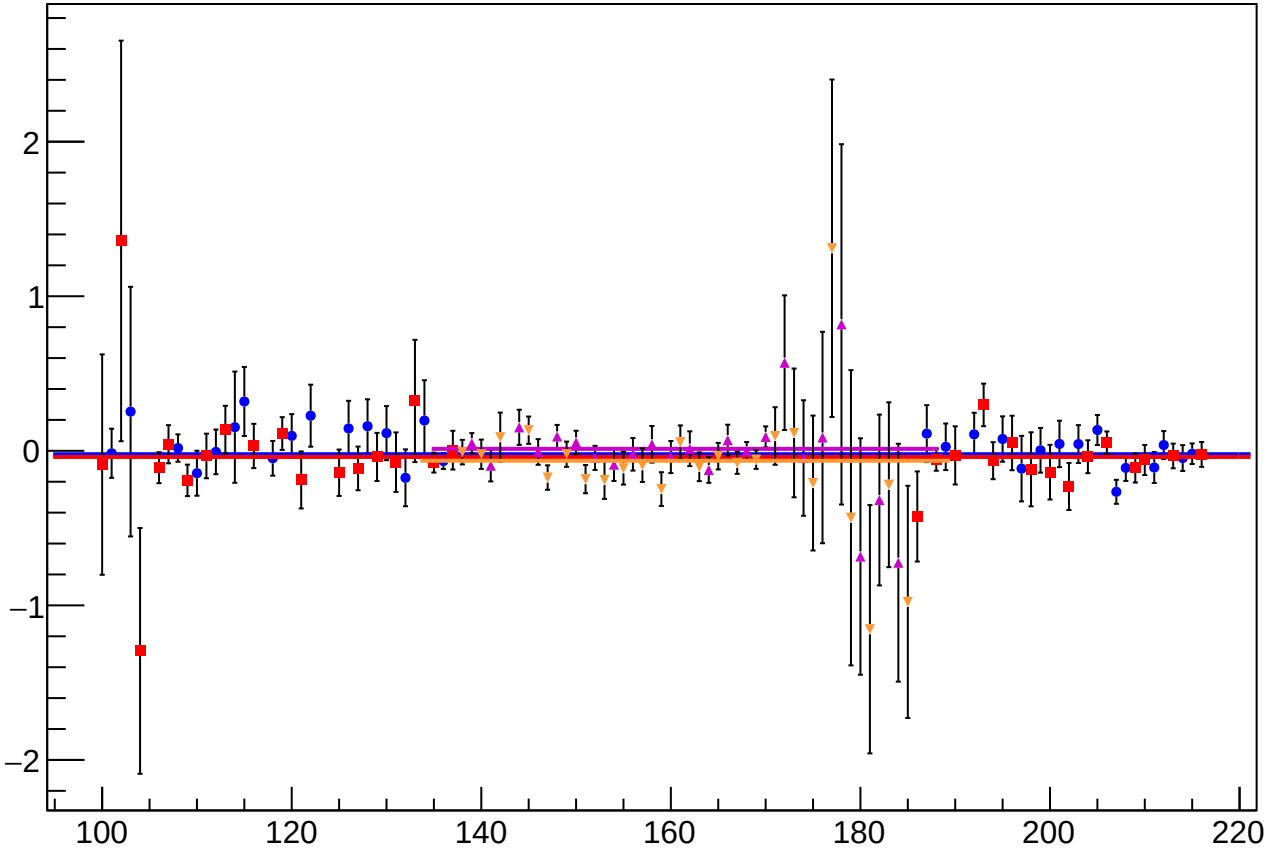
Right: 0.004+/-0.000 χ^2/NDF: 31422241.9/63

In: 0.004+/-0.000 χ^2/NDF:22456676.3/53

Out: 0.004+/-0.000 χ^2/NDF:24562181.9/56

All: 0.004+/-0.000 χ^2/NDF: 47047100.3/110

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: -0.040+/-0.021 χ^2/NDF: 25.5/32

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

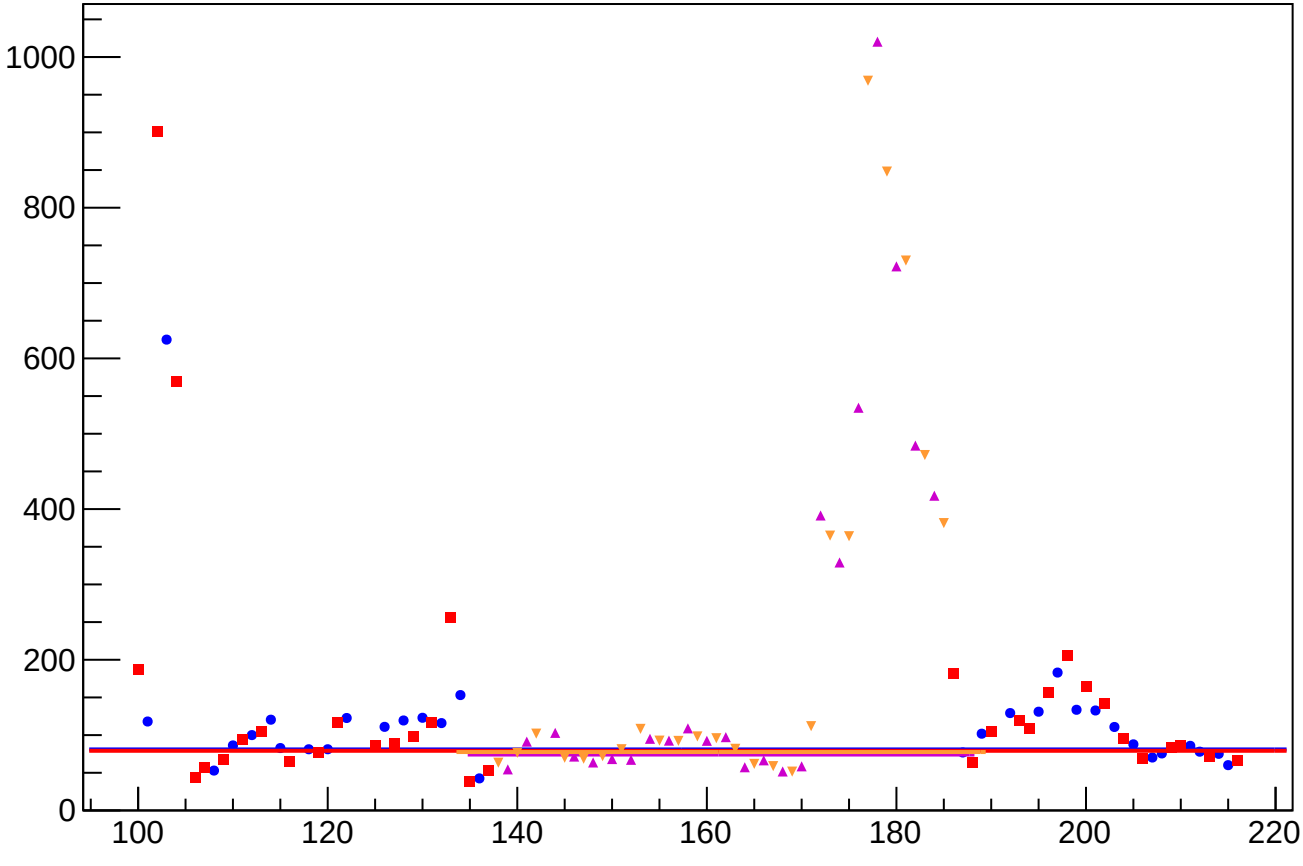
Right: -0.031+/-0.015 χ^2/NDF: 53.9/63

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.051+/-0.015 χ^2/NDF:48.5/56

All: -0.028+/-0.011 χ^2/NDF: 97.7/110

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: 79.210+/-0.015 χ^2/NDF: 6140823.9/32

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

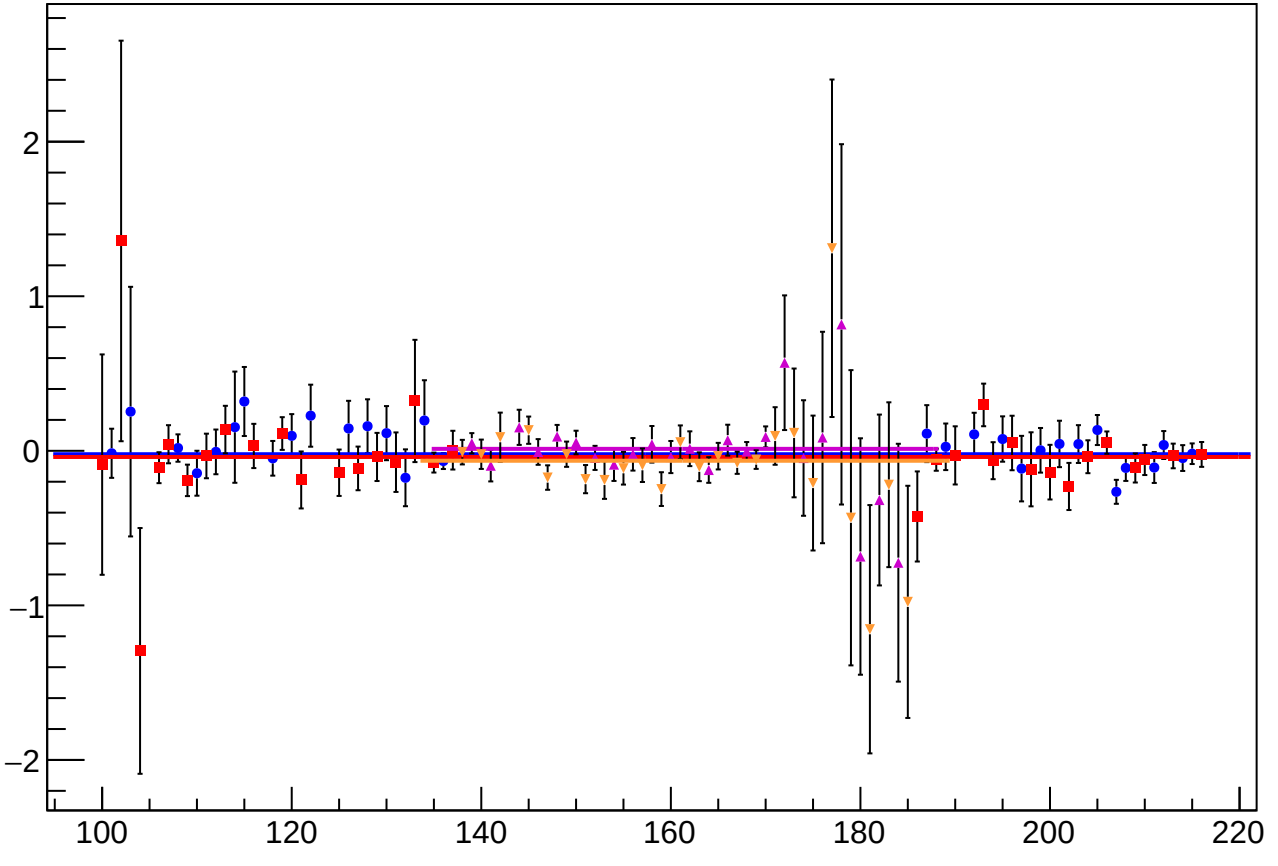
Right: 80.108+/-0.010 χ^2/NDF: 10979958.4/63

In: 77.665+/-0.010 χ^2/NDF:13450292.4/53

Out: 78.419+/-0.011 χ^2/NDF:14478013.2/56

All: 78.032+/-0.007 χ^2/NDF: 27930835.9/110

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: -0.040+/-0.021 χ^2/NDF: 25.5/32

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

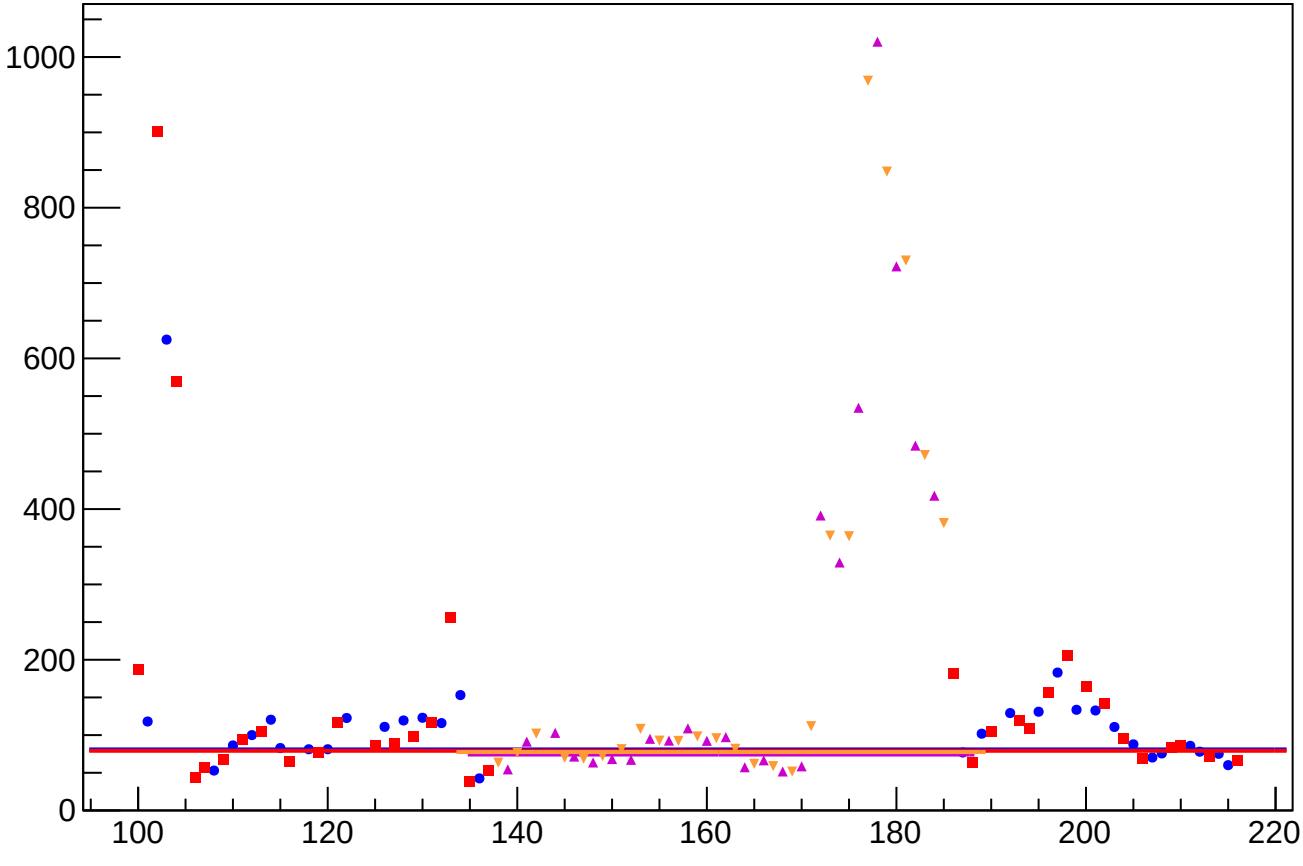
Right: -0.031+/-0.015 χ^2/NDF: 53.9/63

In: -0.005+/-0.015 χ^2/NDF:44.5/53

Out: -0.051+/-0.015 χ^2/NDF:48.5/56

All: -0.028+/-0.011 χ^2/NDF: 97.7/110

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: 79.210+/-0.015 χ^2/NDF: 6140823.9/32

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

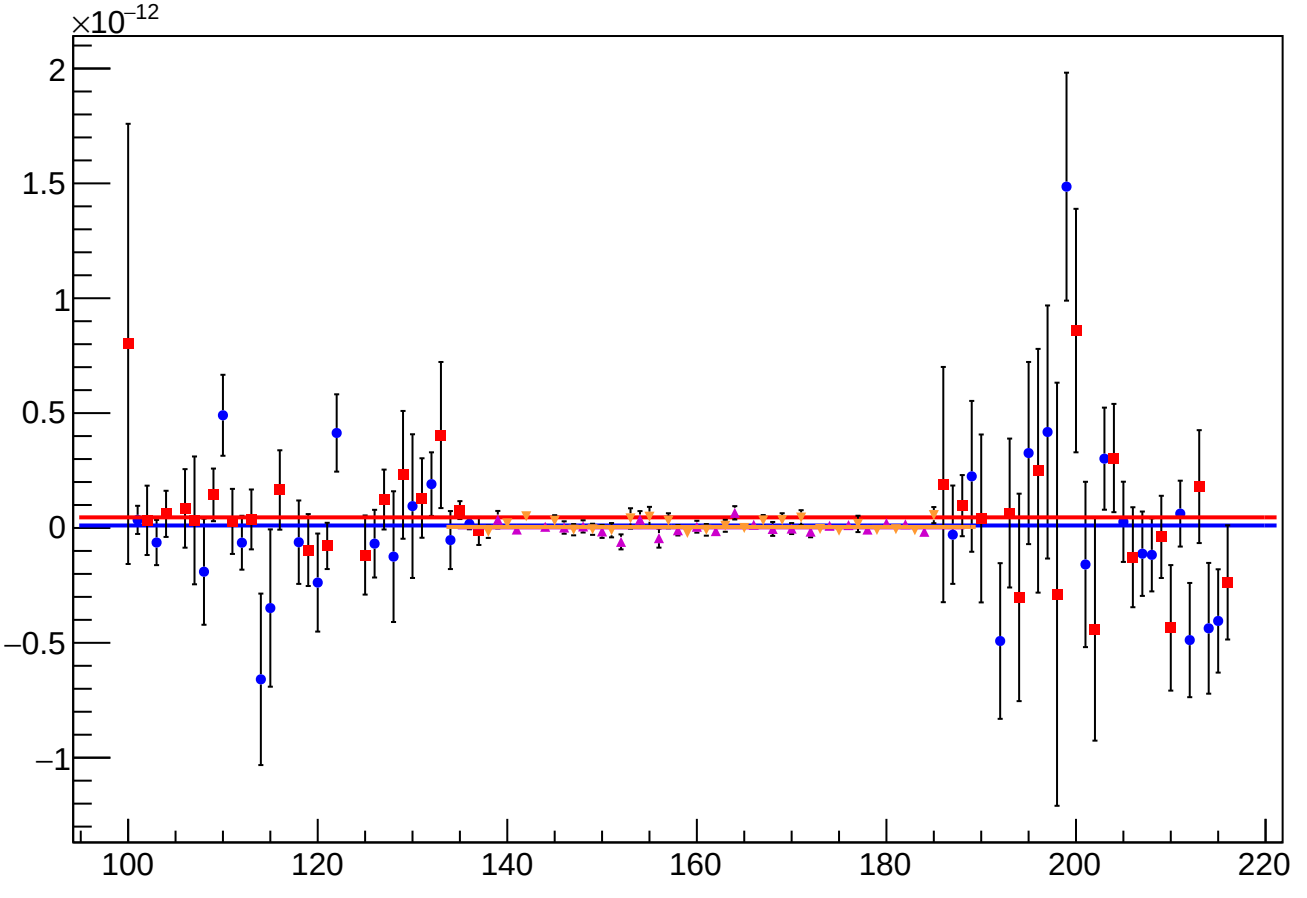
Right: 80.108+/-0.010 χ^2/NDF: 10979958.4/63

In: 77.665+/-0.010 χ^2/NDF:13450292.4/53

Out: 78.419+/-0.011 χ^2/NDF:14478013.2/56

All: 78.032+/-0.007 χ^2/NDF: 27930835.9/110

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 49.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/32

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

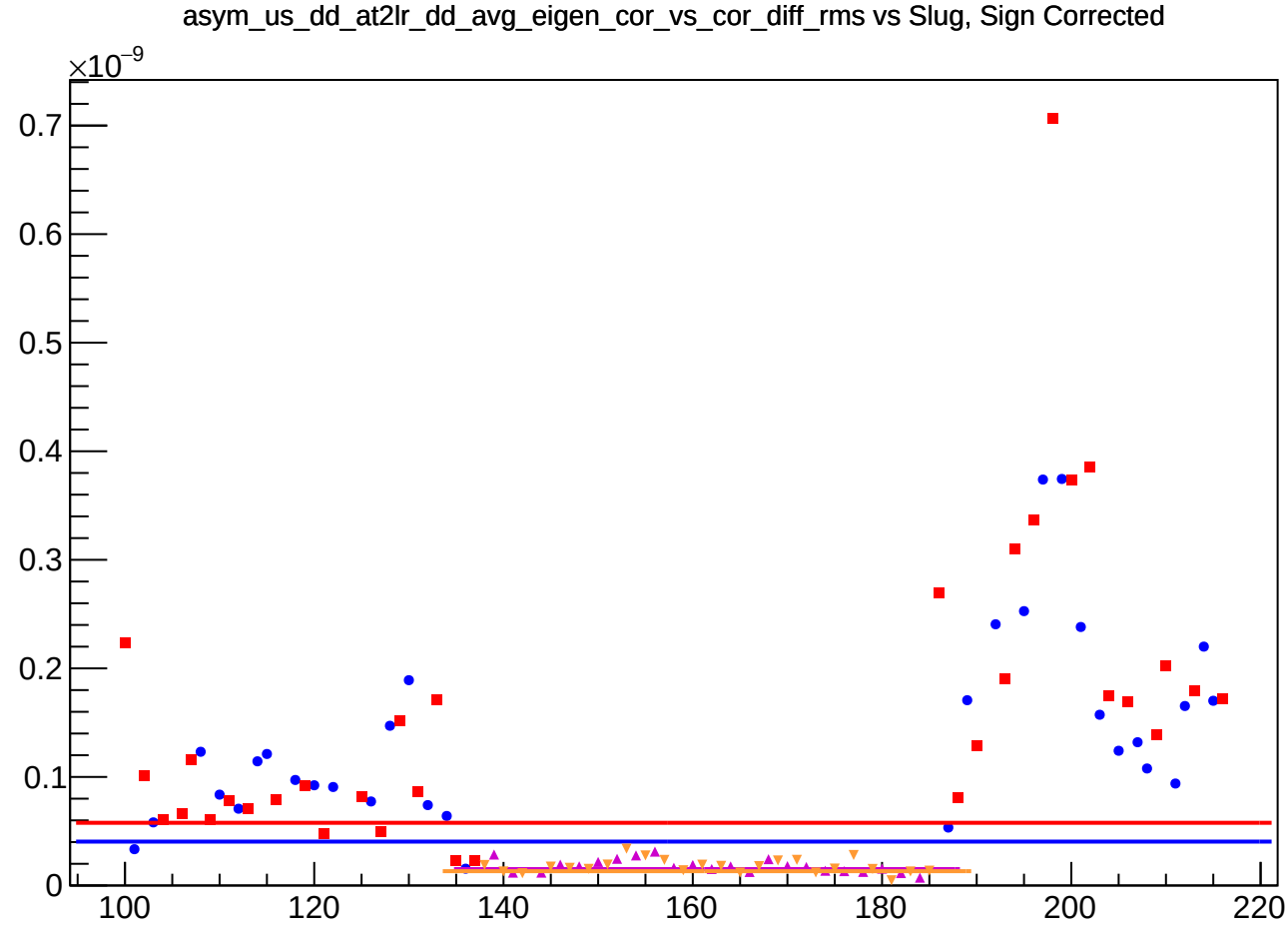
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

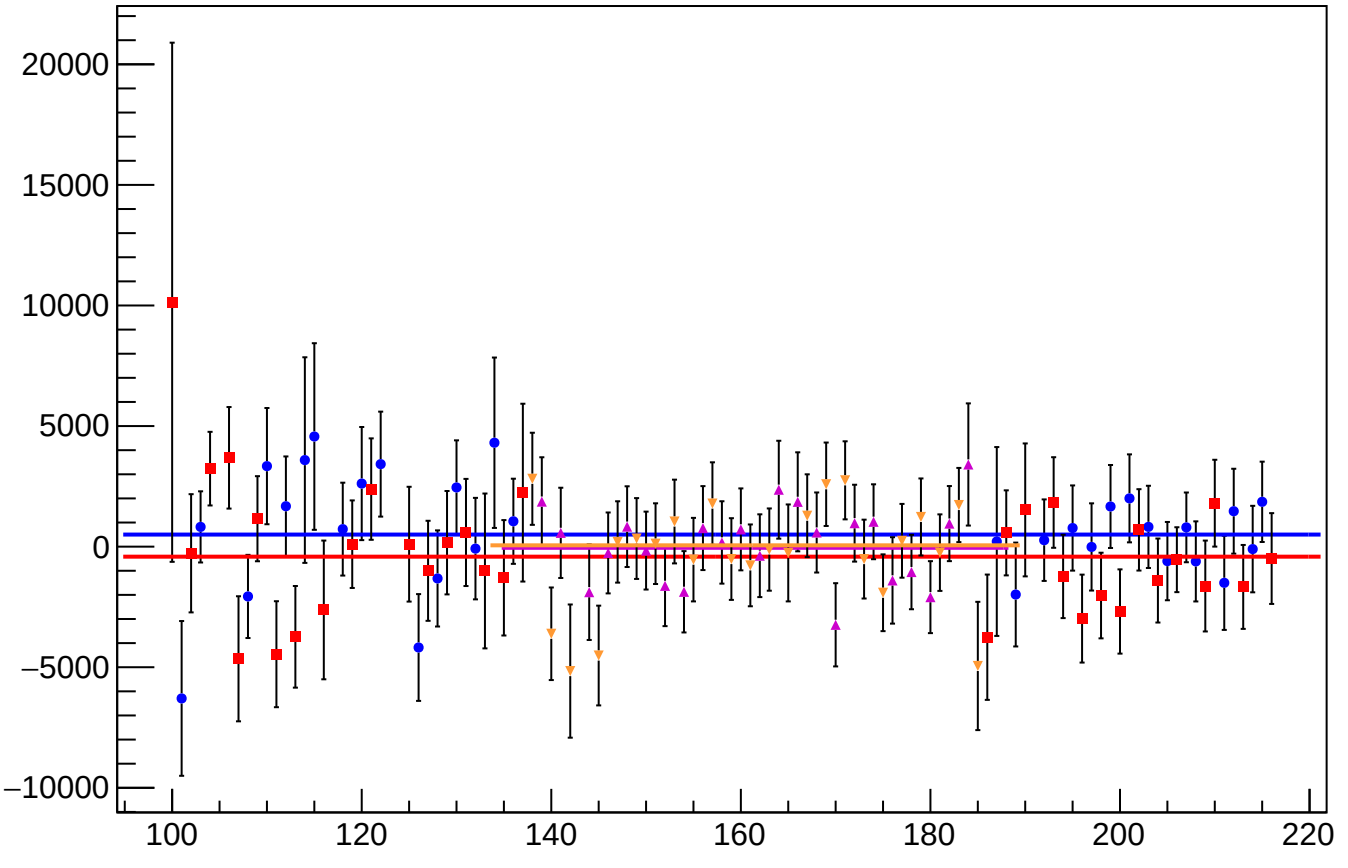
Right: 0.000+/-0.000 χ^2/NDF: 71.0/63

In: 0.000+/-0.000 χ^2/NDF:66.9/53

Out: 0.000+/-0.000 χ^2/NDF:45.1/56

All: 0.000+/-0.000 χ^2/NDF: 112.3/110


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: 10883694.6/32
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: 24197984.8/63
In: 0.000+/-0.000 χ²/NDF:18344811.2/53
Out: 0.000+/-0.000 χ²/NDF:22175525.0/56
All: 0.000+/-0.000 χ²/NDF: 40718614.0/110



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: -415.523+/-350.092 χ^2/NDF: 35.2/32

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

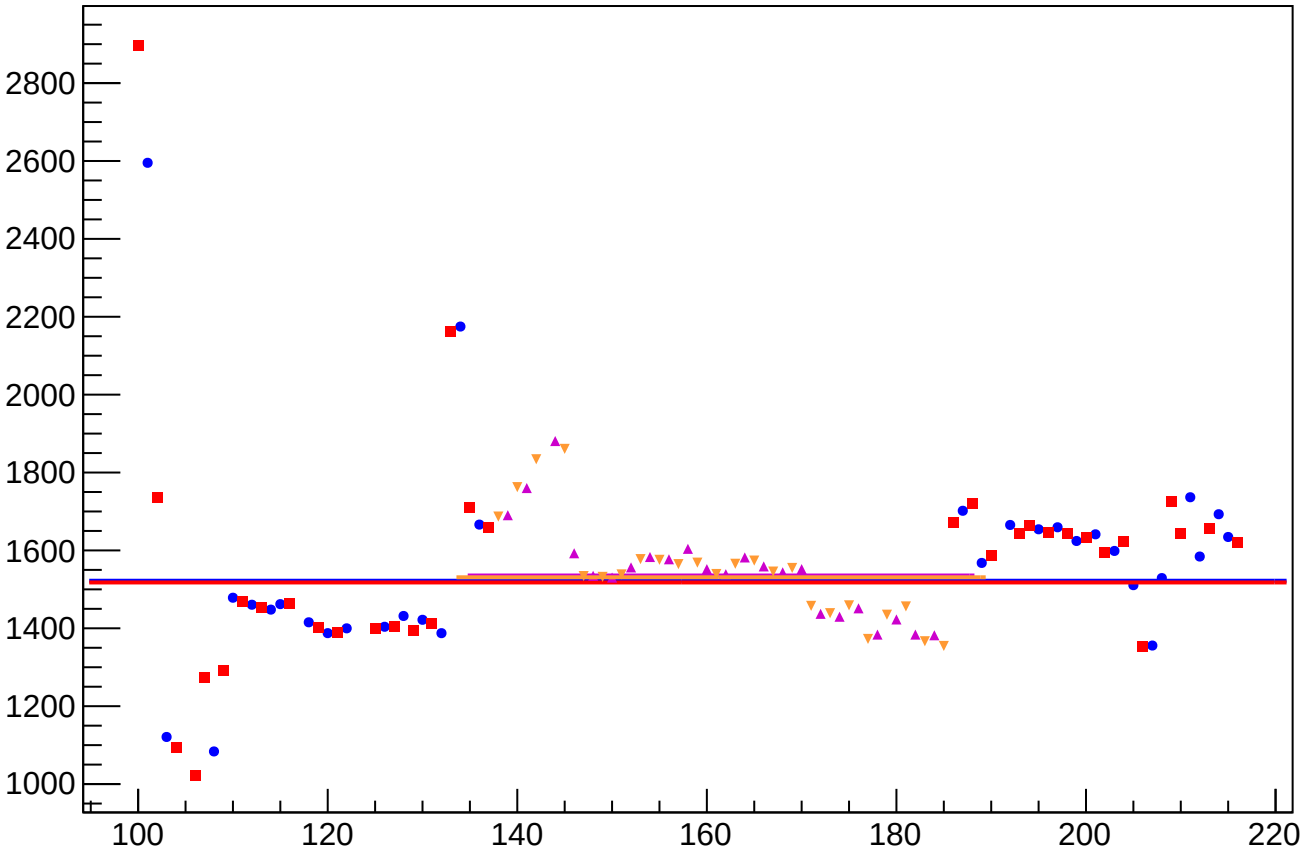
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 42.300+/-247.653 χ^2/NDF: 64.7/63

In: 233.423+/-250.927 χ^2/NDF:44.0/53

Out: -184.558+/-249.744 χ^2/NDF:64.5/56

All: 23.445+/-177.013 χ^2/NDF: 110.0/110



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: 1517.730+/-0.248 χ^2/NDF: 683069.2/32

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

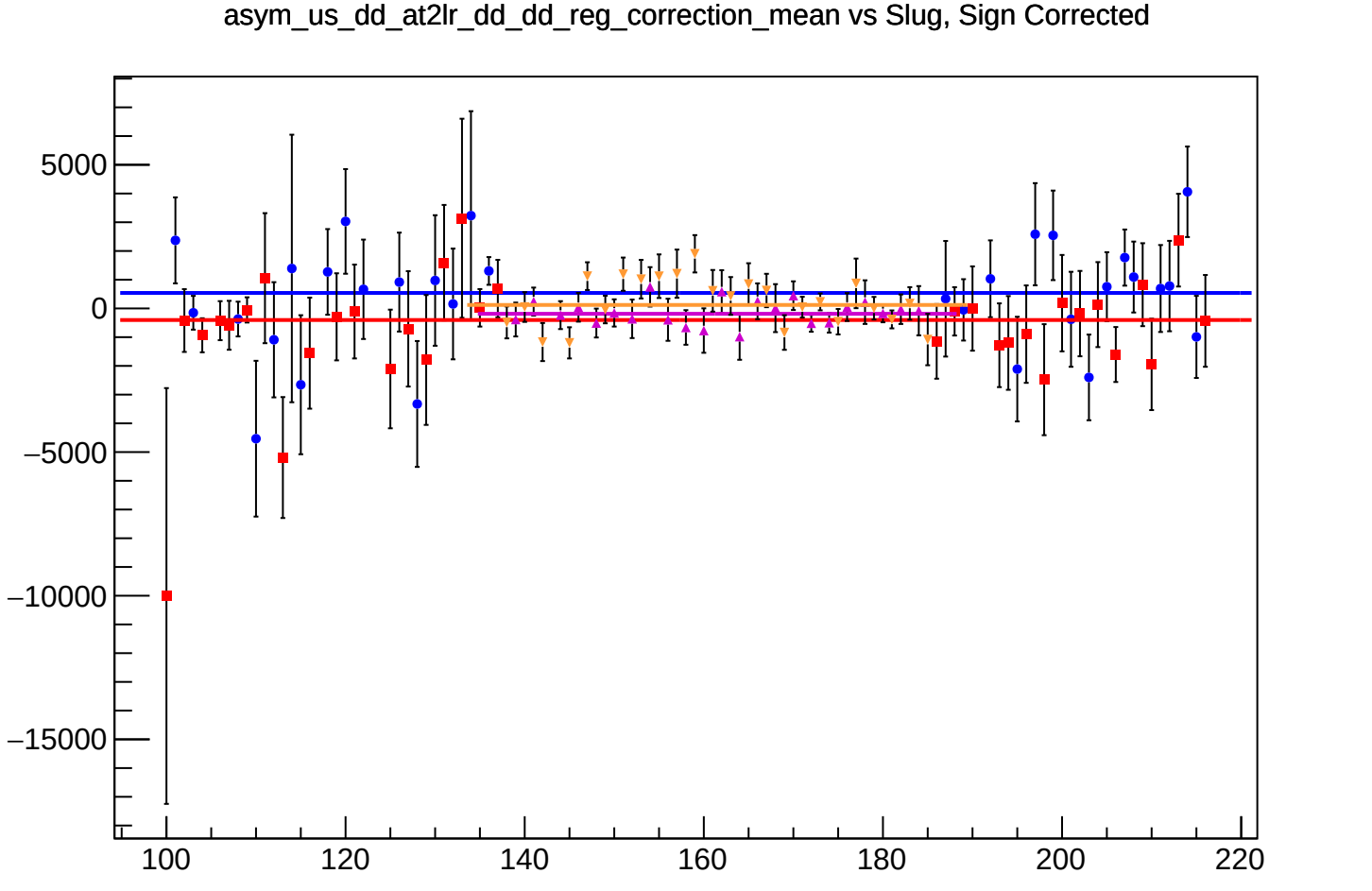
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1519.915+/-0.175 χ^2/NDF: 1453861.3/63

In: 1528.654+/-0.177 χ^2/NDF:964503.8/53

Out: 1524.235+/-0.177 χ^2/NDF:888015.0/56

All: 1526.434+/-0.125 χ^2/NDF: 1852830.4/11



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: -402.884+/-195.192 χ^2/NDF: 22.8/32

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

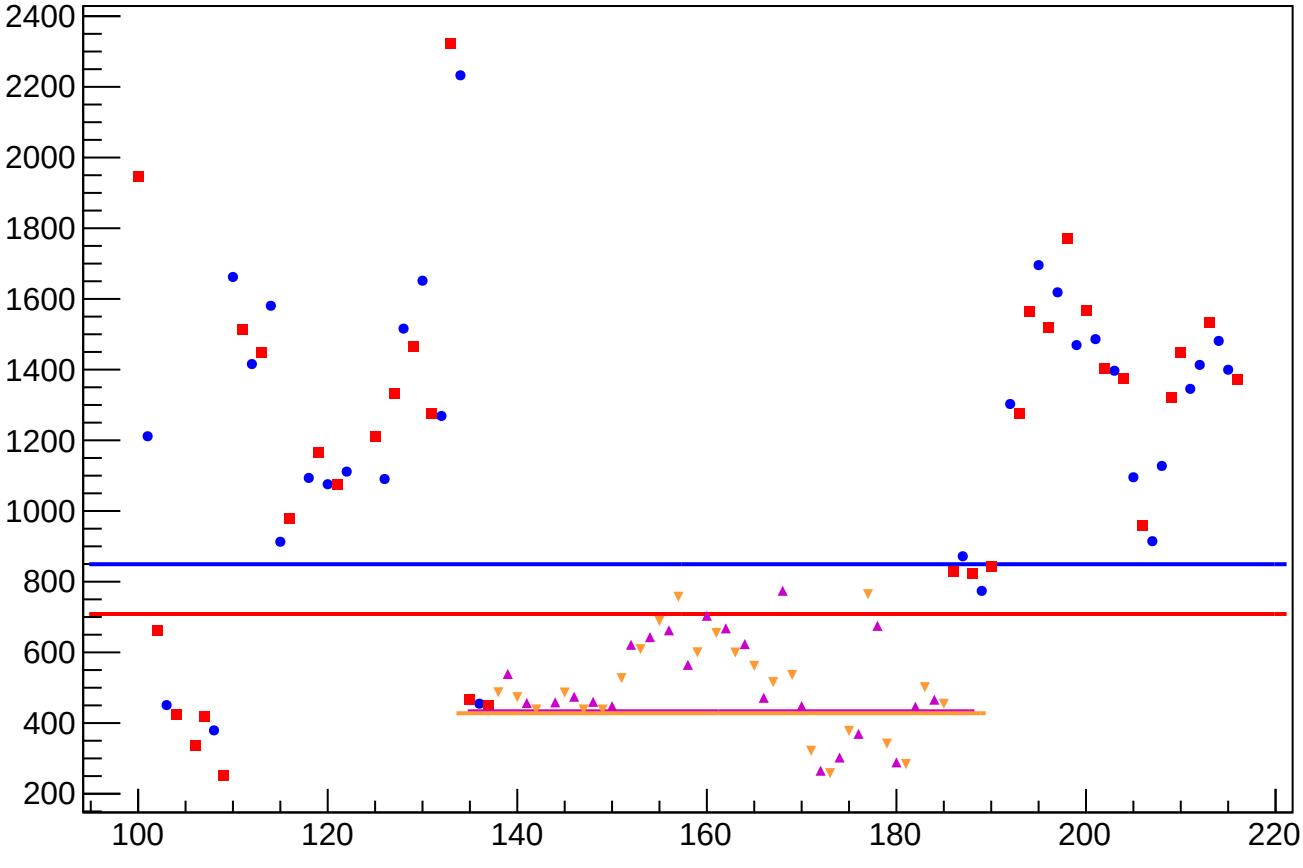
Right: 13.795+/-145.803 χ^2/NDF: 70.4/63

In: -47.168+/-96.146 χ^2/NDF:57.7/53

Out: 3.576+/-92.511 χ^2/NDF:72.1/56

All: -20.818+/-66.663 χ^2/NDF: 129.9/110

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: 708.572+/-0.138 χ^2/NDF: 11049353.8/32

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

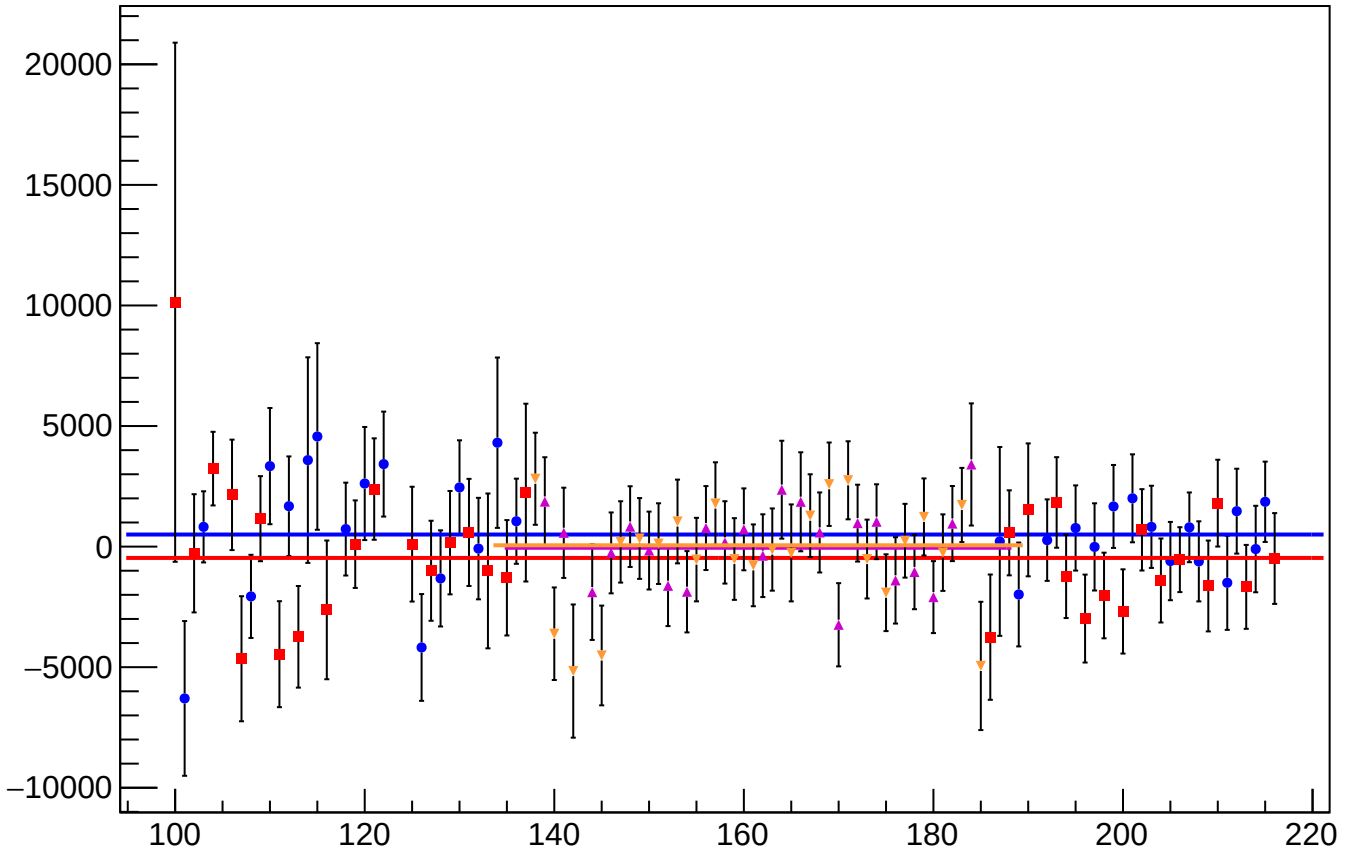
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 770.839+/-0.103 χ^2/NDF: 19681488.3/63

In: 513.274+/-0.068 χ^2/NDF:17237421.8/53

Out: 490.880+/-0.065 χ^2/NDF:17445848.9/56

All: 501.645+/-0.047 χ^2/NDF: 34739610.5/11



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: -469.335+/-350.844 χ^2/NDF: 32.6/32

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

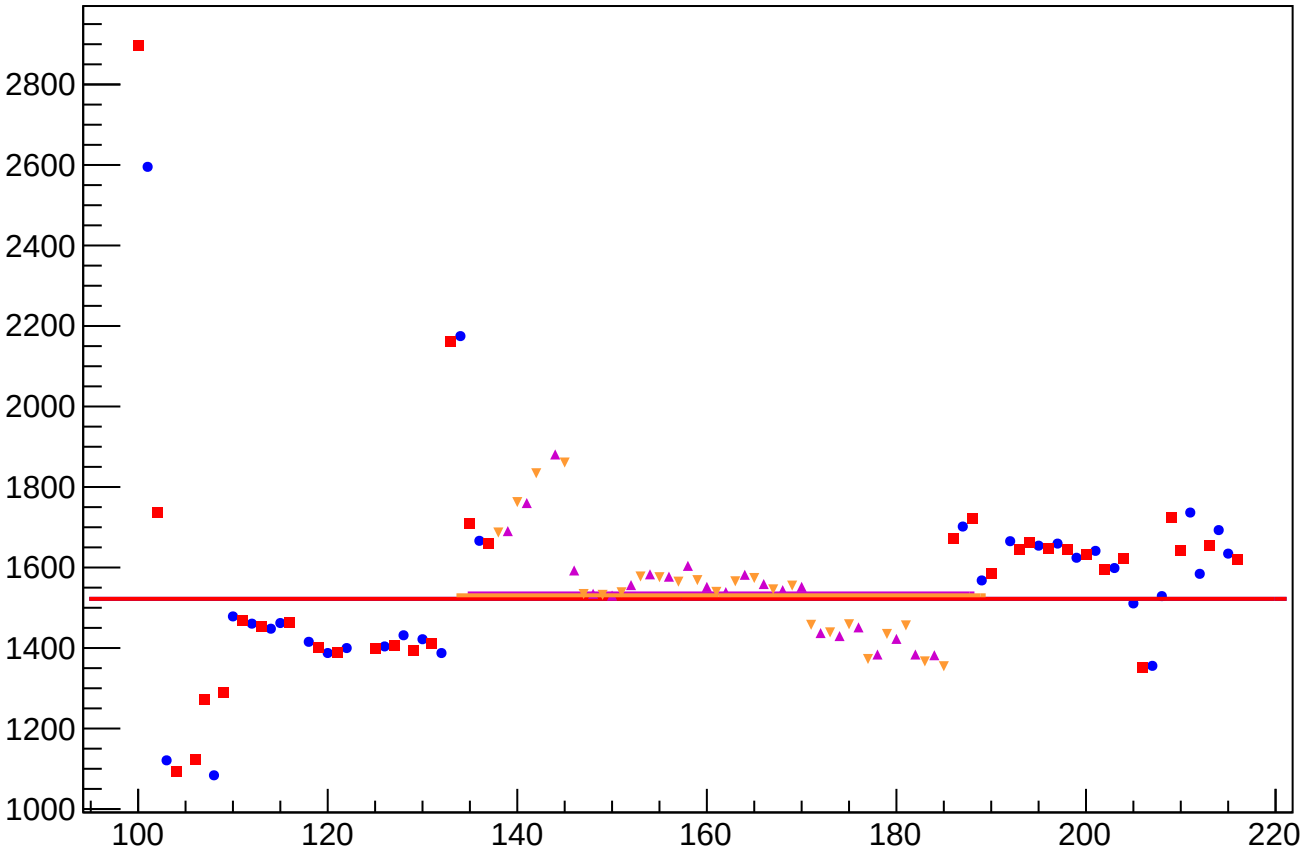
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 16.426+/-247.918 χ^2/NDF: 62.5/63

In: 233.399+/-250.927 χ^2/NDF:44.0/53

Out: -211.399+/-250.017 χ^2/NDF:62.2/56

All: 10.191+/-177.109 χ^2/NDF: 107.8/110



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: 1522.184+/-0.248 χ^2/NDF: 631952.4/32

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

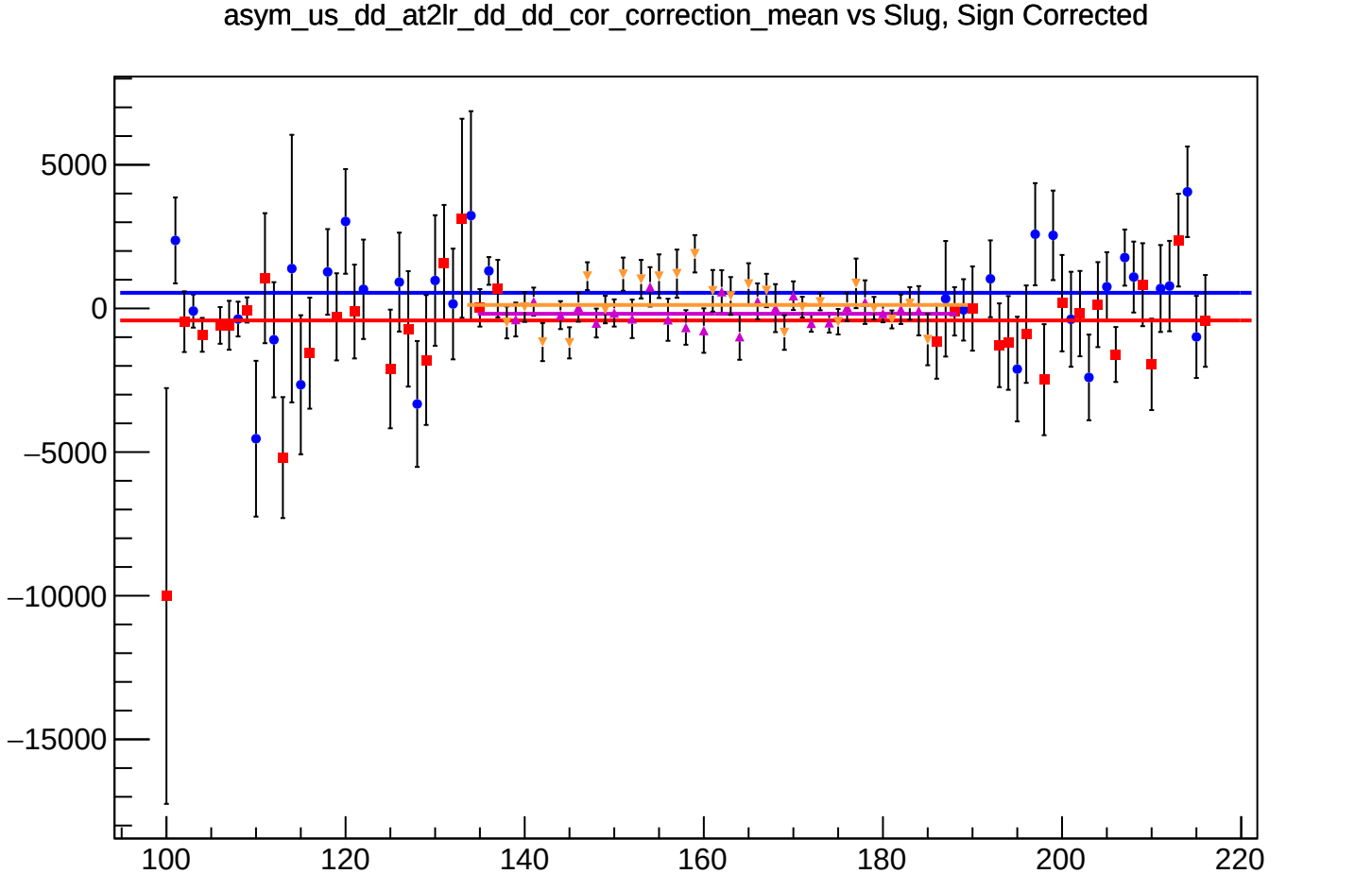
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1522.144+/-0.175 χ^2/NDF: 1402589.0/63

In: 1528.654+/-0.177 χ^2/NDF:964504.2/53

Out: 1526.511+/-0.177 χ^2/NDF:836110.2/56

All: 1527.579+/-0.125 χ^2/NDF: 1800687.6/11



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: -418.908+/-193.793 χ^2/NDF: 22.9/32

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

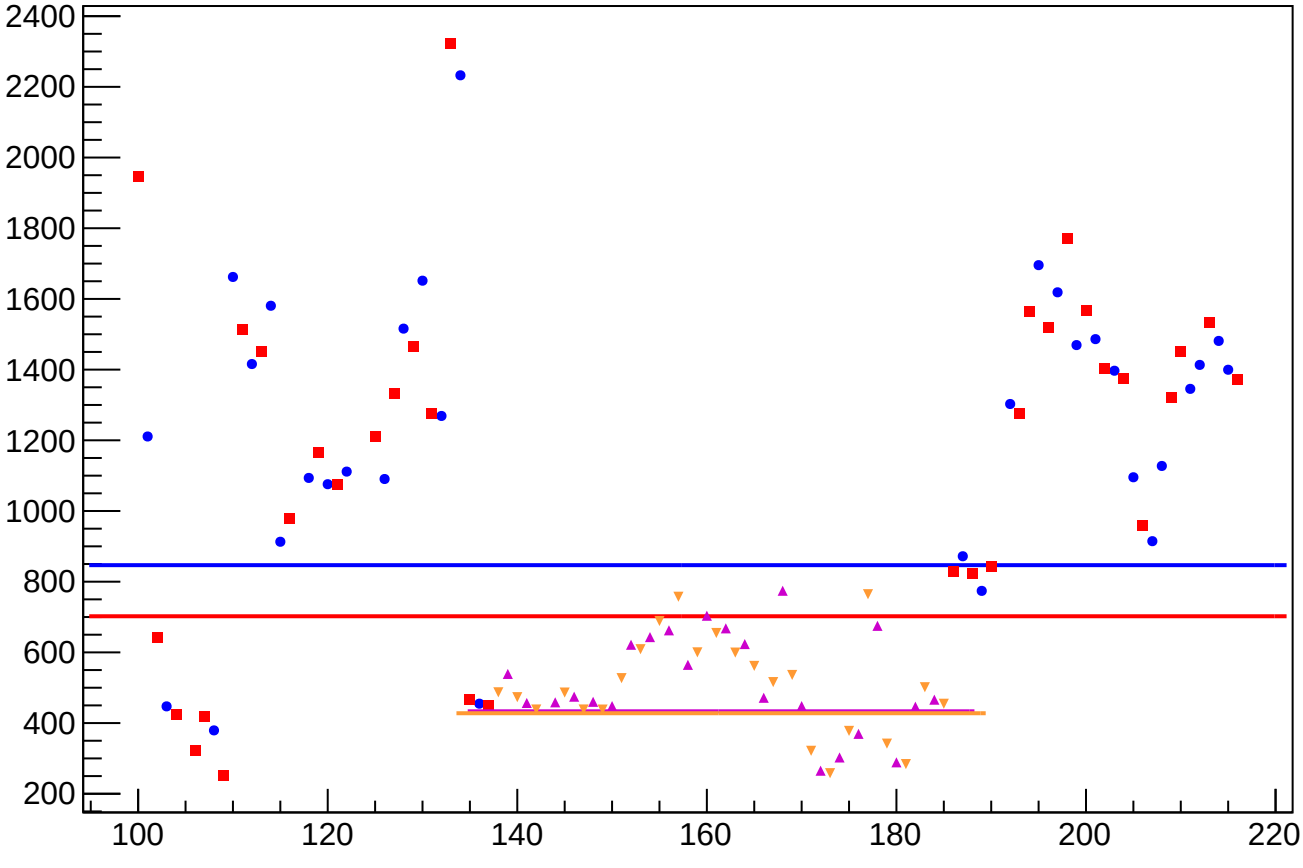
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: 4.904+/-145.044 χ^2/NDF: 70.8/63

In: -45.772+/-96.096 χ^2/NDF:57.7/53

Out: -1.385+/-92.361 χ^2/NDF:72.5/56

All: -22.699+/-66.590 χ^2/NDF: 130.3/110



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: 702.192+/-0.137 χ^2/NDF: 11185028.7/32

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

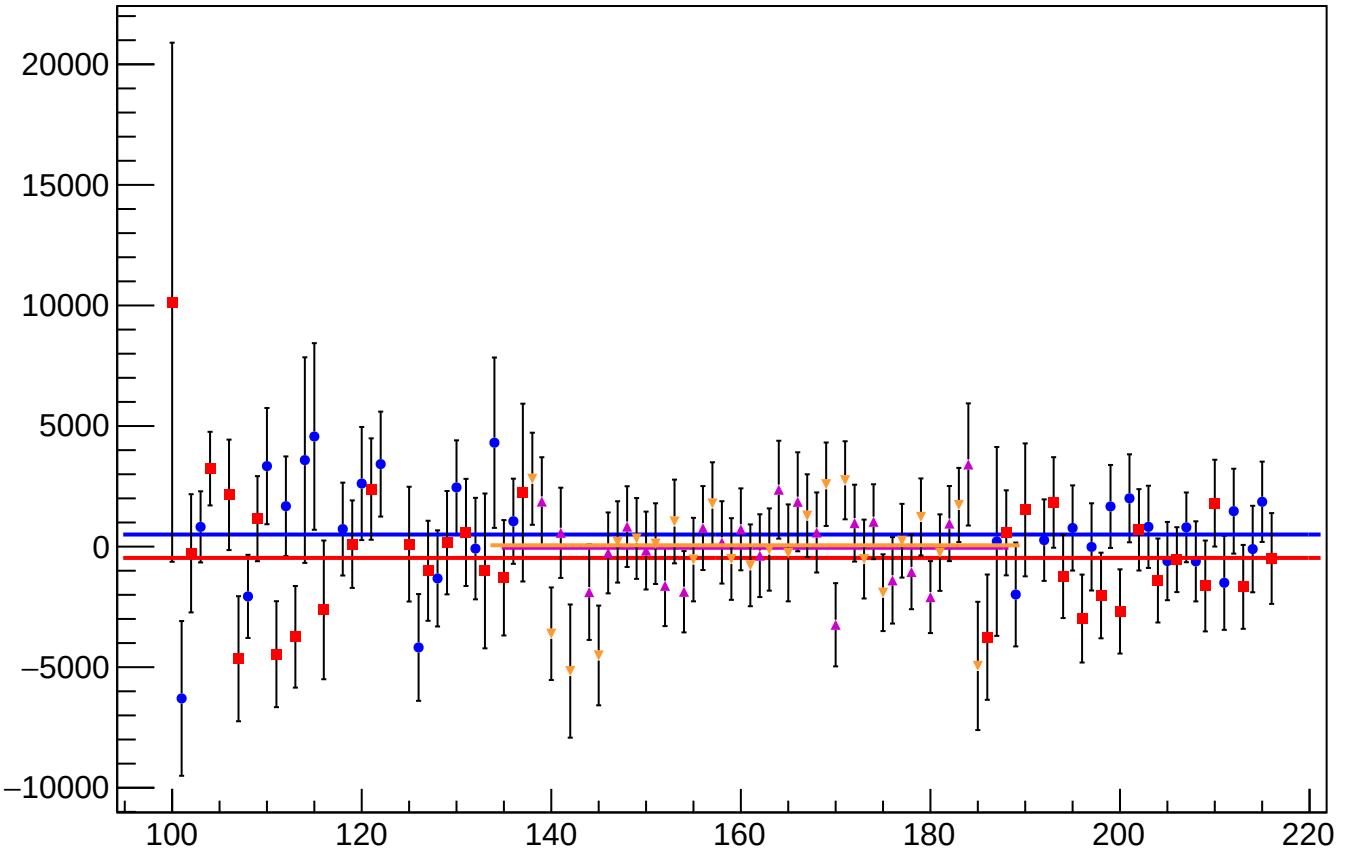
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 765.780+/-0.103 χ^2/NDF: 19898711.0/63

In: 513.111+/-0.068 χ^2/NDF:17240473.3/53

Out: 490.137+/-0.065 χ^2/NDF:17471924.8/56

All: 501.169+/-0.047 χ^2/NDF: 34771817.9/1



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: -469.335+/-350.844 χ^2/NDF: 32.6/32

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

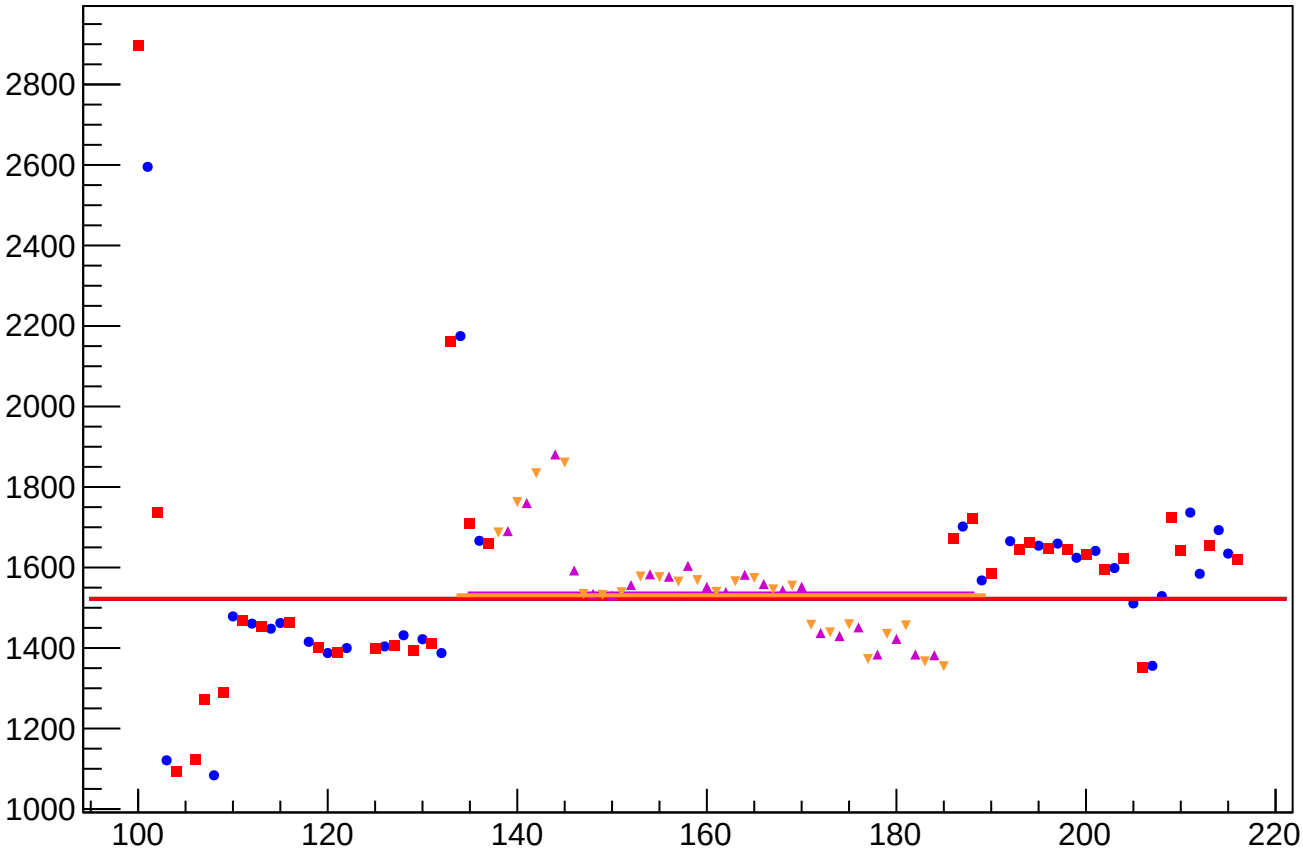
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 16.426+/-247.918 χ^2/NDF: 62.5/63

In: 233.399+/-250.927 χ^2/NDF:44.0/53

Out: -211.399+/-250.017 χ^2/NDF:62.2/56

All: 10.191+/-177.109 χ^2/NDF: 107.8/110



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: 1522.184+/-0.248 χ^2/NDF: 631952.4/32

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

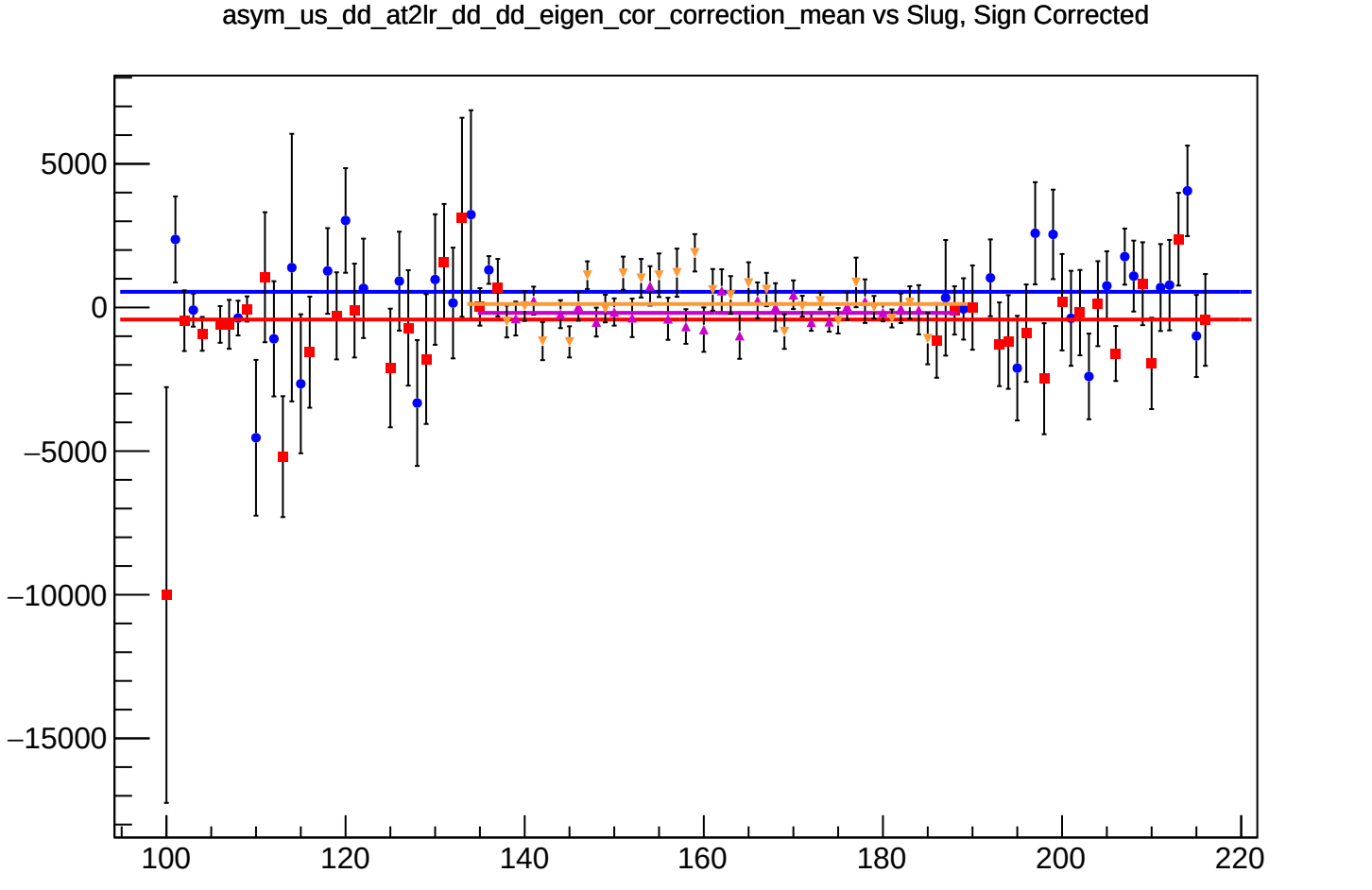
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1522.144+/-0.175 χ^2/NDF: 1402589.0/63

In: 1528.654+/-0.177 χ^2/NDF:964504.2/53

Out: 1526.511+/-0.177 χ^2/NDF:836110.2/56

All: 1527.579+/-0.125 χ^2/NDF: 1800687.6/11



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: -418.908+/-193.793 χ^2/NDF: 22.9/32

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

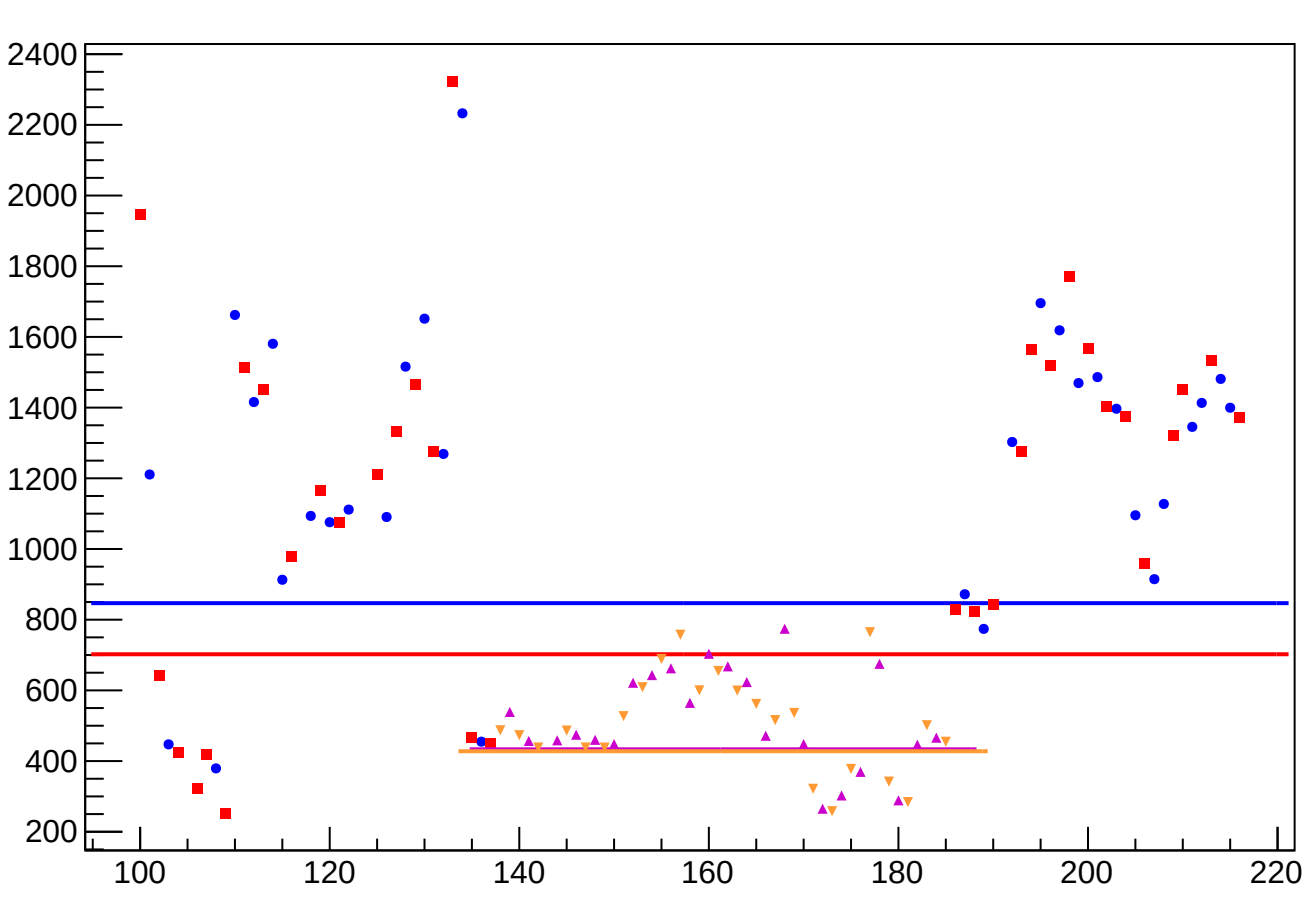
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: 4.904+/-145.044 χ^2/NDF: 70.8/63

In: -45.772+/-96.096 χ^2/NDF:57.7/53

Out: -1.385+/-92.361 χ^2/NDF:72.5/56

All: -22.699+/-66.590 χ^2/NDF: 130.3/110



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: 702.192+/-0.137 χ^2/NDF: 11185028.7/32

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

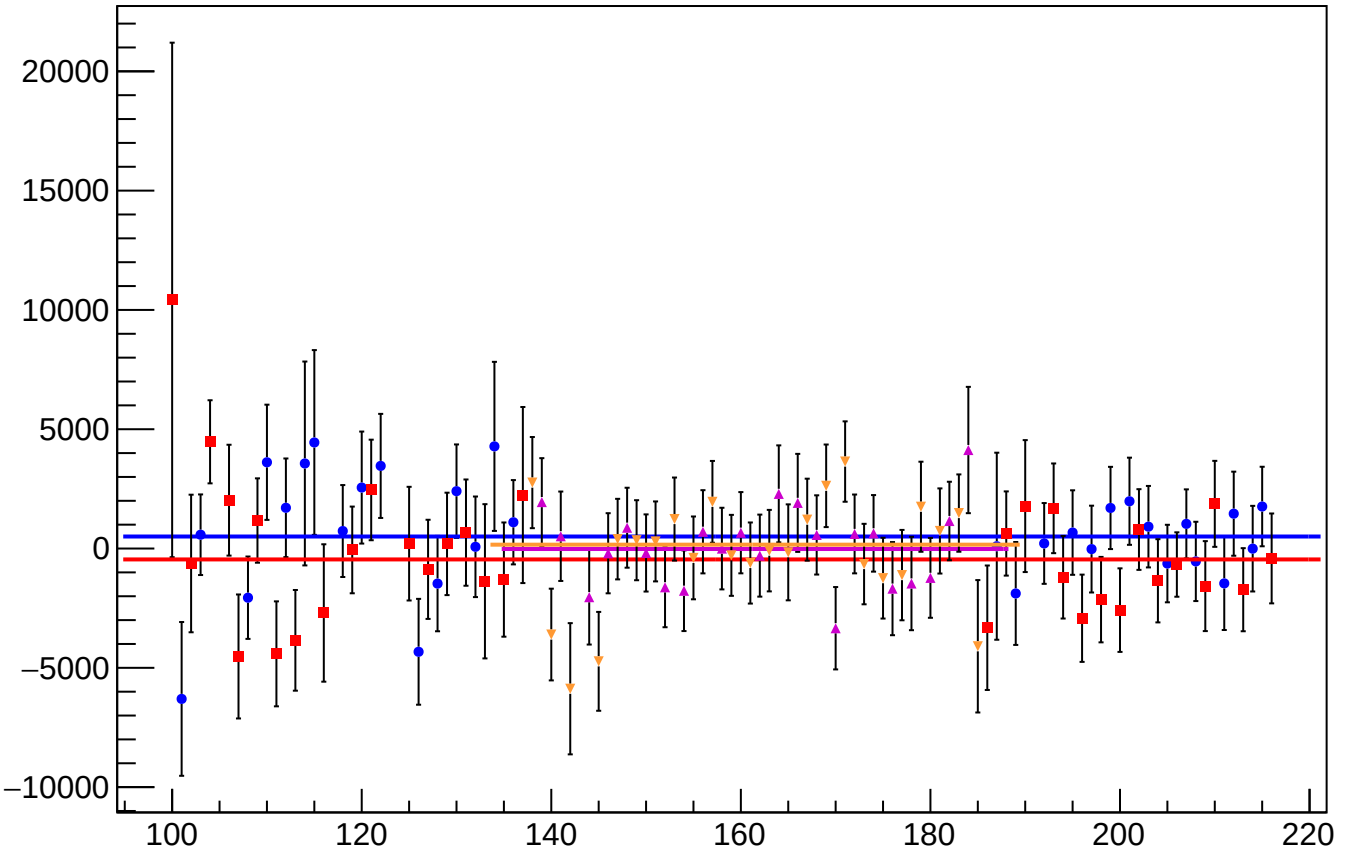
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 765.780+/-0.103 χ^2/NDF: 19898711.0/63

In: 513.111+/-0.068 χ^2/NDF:17240473.3/53

Out: 490.137+/-0.065 χ^2/NDF:17471924.8/56

All: 501.169+/-0.047 χ^2/NDF: 34771817.9/1



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: -456.893+/-354.798 χ^2/NDF: 34.4/32

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

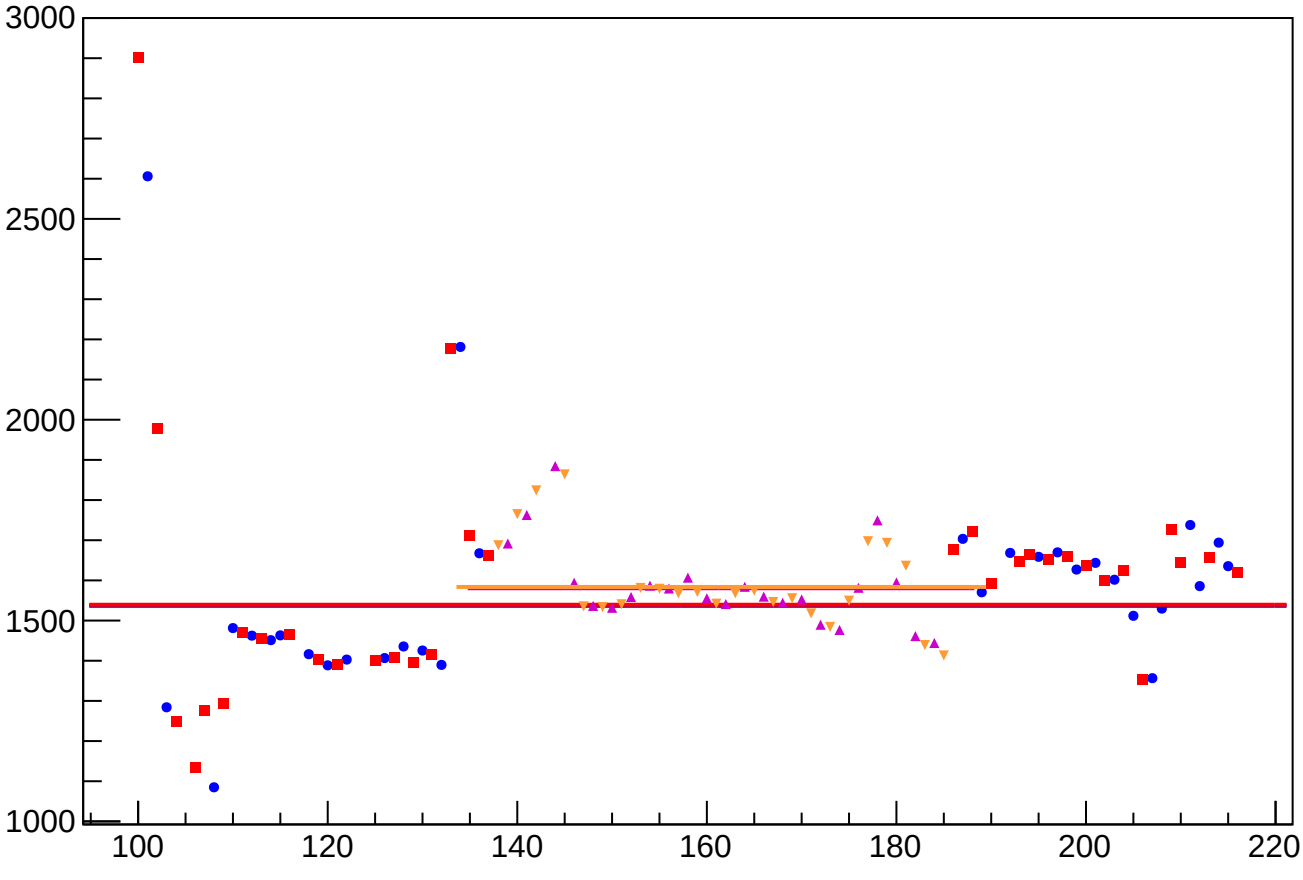
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 25.439+/-250.336 χ^2/NDF: 64.4/63

In: 253.640+/-255.435 χ^2/NDF:43.4/53

Out: -159.251+/-255.542 χ^2/NDF:65.7/56

All: 47.281+/-180.657 χ^2/NDF: 110.4/110



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: 1539.375+/-0.251 χ^2/NDF: 554564.0/32

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

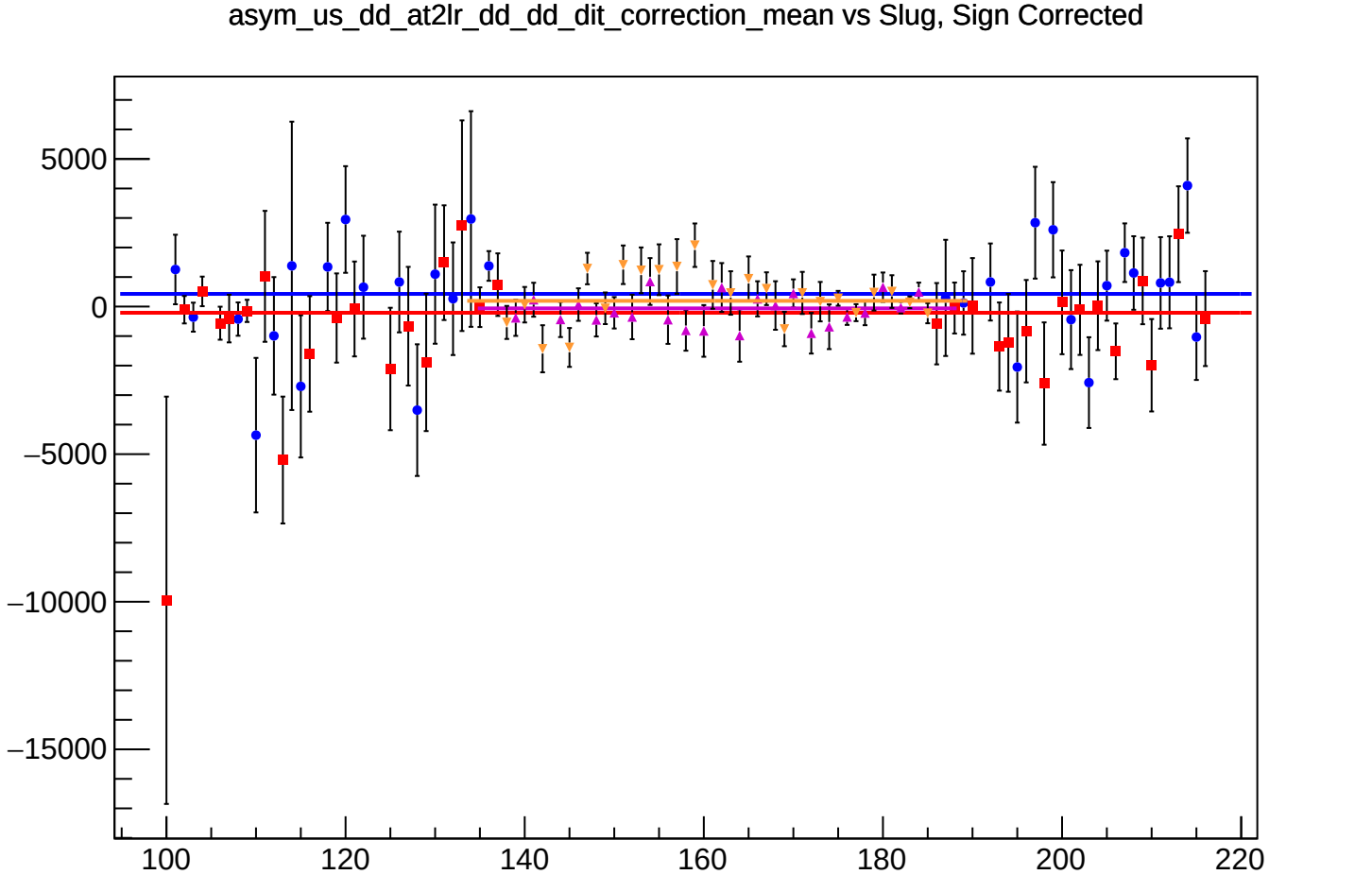
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1538.102+/-0.177 χ^2/NDF: 1218716.3/63

In: 1557.656+/-0.181 χ^2/NDF:804399.5/53

Out: 1560.693+/-0.181 χ^2/NDF:703151.4/56

All: 1559.174+/-0.128 χ^2/NDF: 1507692.1/11



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: -210.656+/-172.425 χ^2/NDF: 23.7/32

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

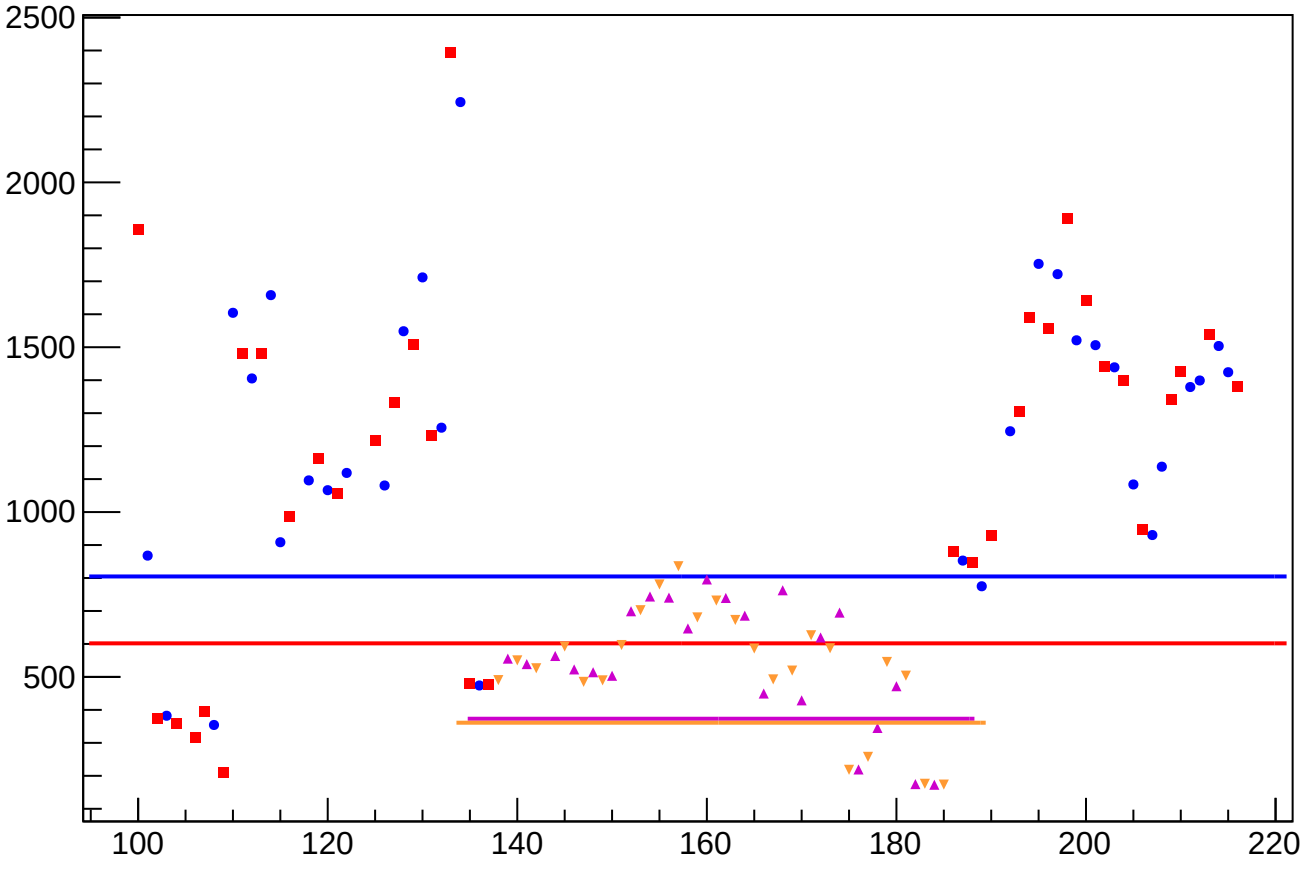
Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

Right: 43.812+/-133.791 χ^2/NDF: 67.9/63

In: 26.706+/-90.241 χ^2/NDF:60.2/53

Out: 97.878+/-83.805 χ^2/NDF:67.9/56

All: 64.920+/-61.408 χ^2/NDF: 128.4/110



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: 601.822+/-0.122 χ^2/NDF: 13726732.6/32

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

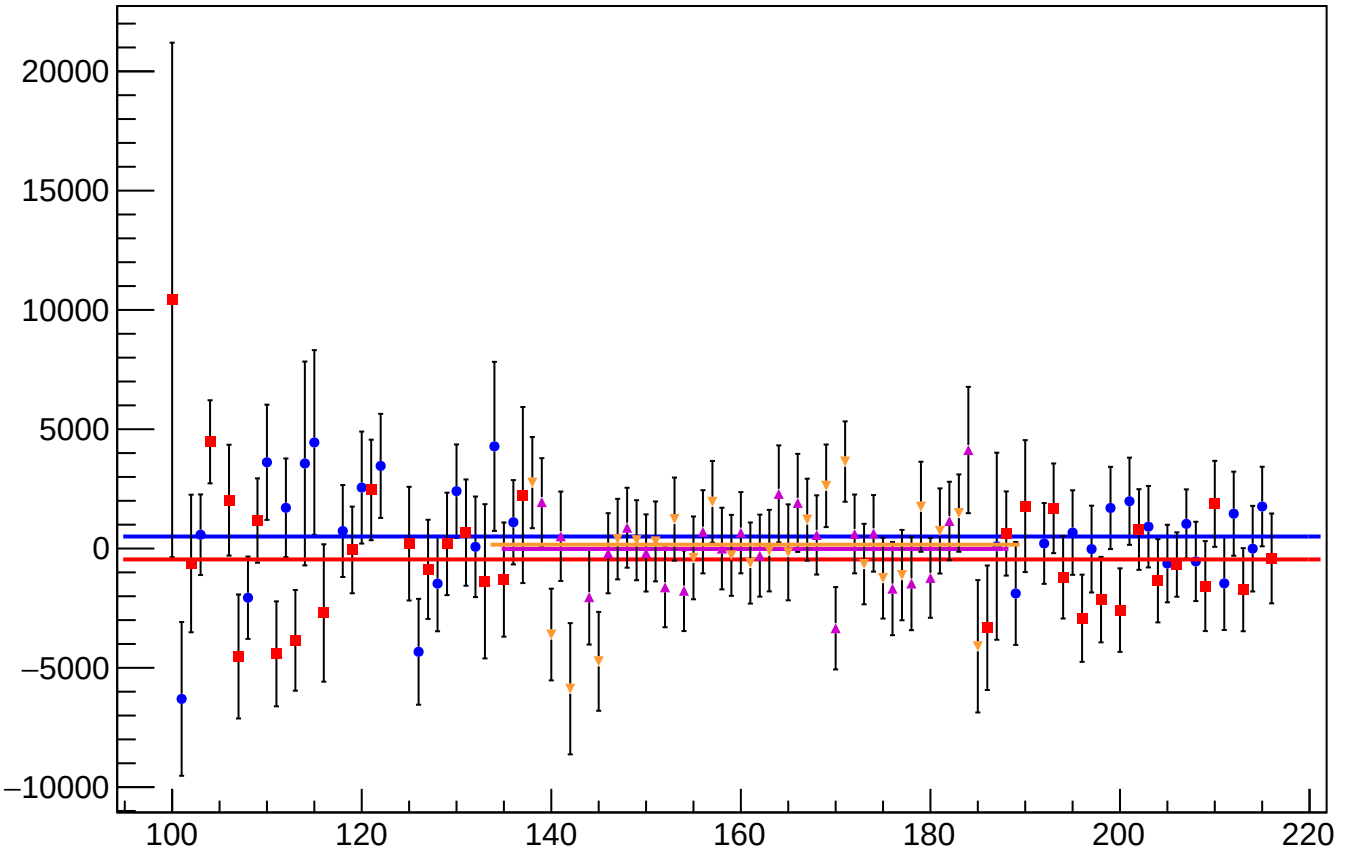
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 682.557+/-0.095 χ^2/NDF: 23950980.9/63

In: 451.268+/-0.064 χ^2/NDF:24111565.3/53

Out: 417.966+/-0.059 χ^2/NDF:24887166.1/56

All: 433.387+/-0.043 χ^2/NDF: 49144975.2/11



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: -456.892+/-354.798 χ^2/NDF: 34.4/32

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

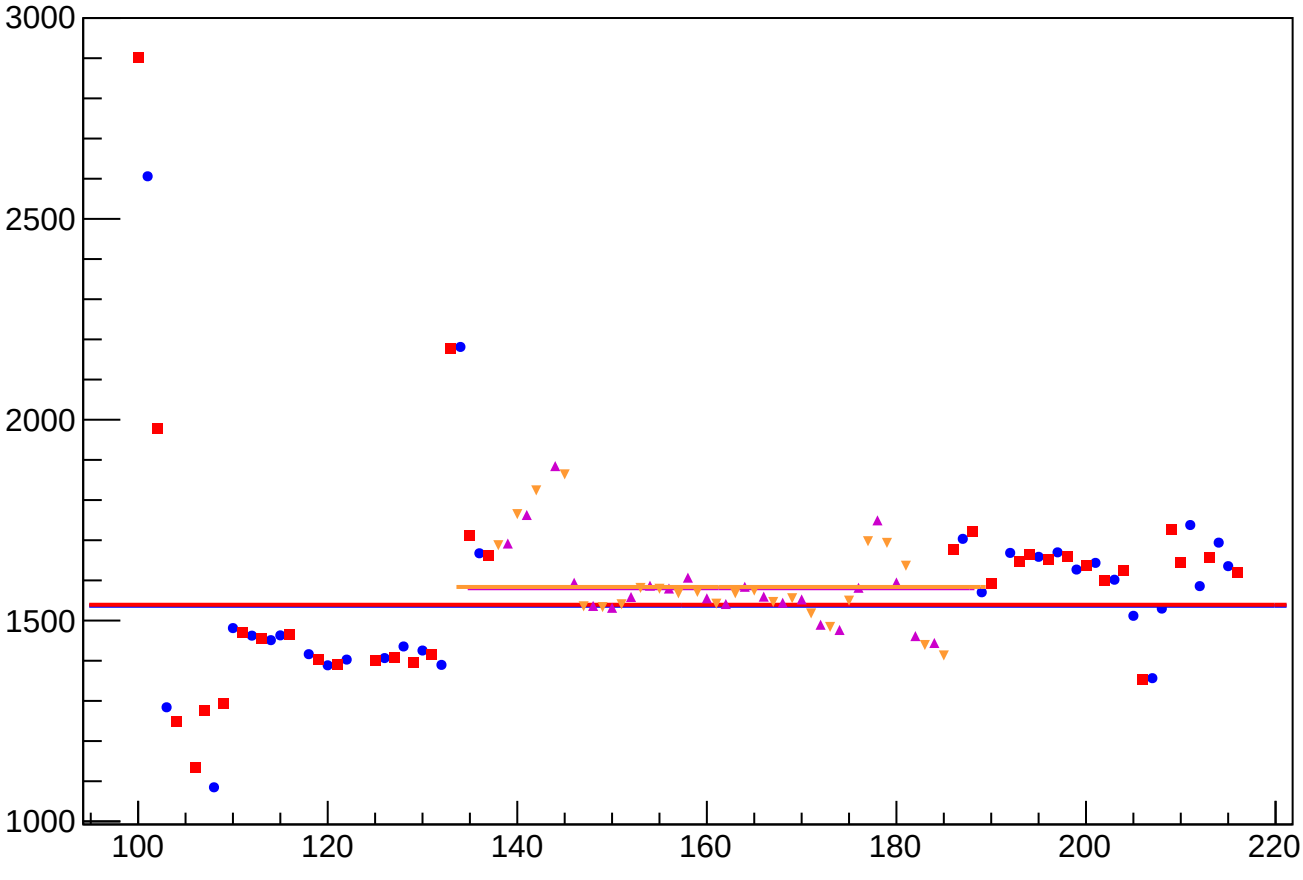
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 25.437+/-250.336 χ^2/NDF: 64.4/63

In: 253.638+/-255.435 χ^2/NDF:43.4/53

Out: -159.252+/-255.542 χ^2/NDF:65.7/56

All: 47.280+/-180.657 χ^2/NDF: 110.4/110



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: 1539.374+/-0.251 χ^2/NDF: 554564.0/32

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

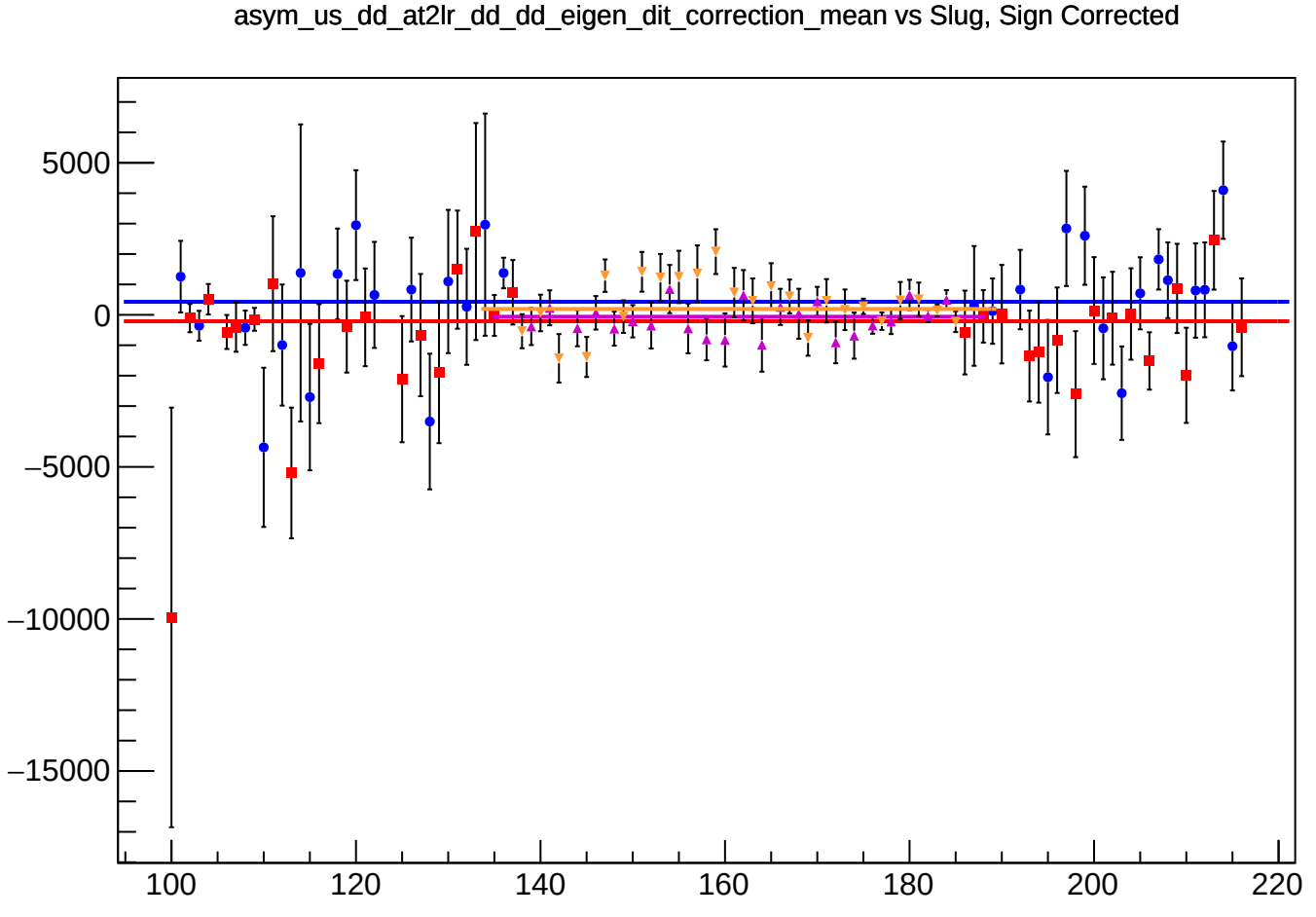
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1538.102+/-0.177 χ^2/NDF: 1218715.8/63

In: 1557.656+/-0.181 χ^2/NDF:804398.8/53

Out: 1560.693+/-0.181 χ^2/NDF:703151.4/56

All: 1559.174+/-0.128 χ^2/NDF: 1507691.5/11



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: -210.654+/-172.426 χ^2/NDF: 23.7/32

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

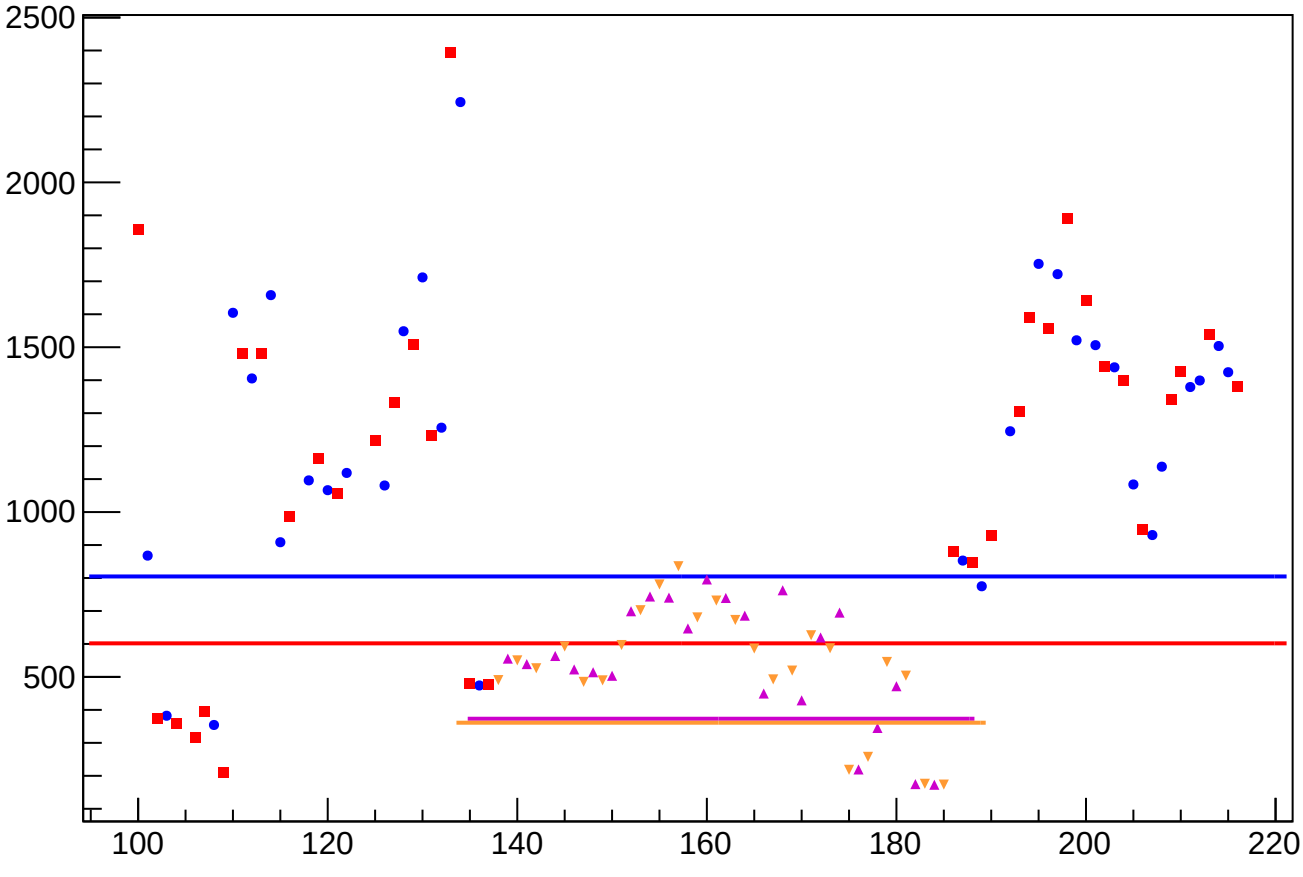
Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

Right: 43.814+/-133.791 χ^2/NDF: 67.9/63

In: 26.709+/-90.241 χ^2/NDF:60.2/53

Out: 97.882+/-83.806 χ^2/NDF:67.9/56

All: 64.924+/-61.409 χ^2/NDF: 128.4/110



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: 601.829+/-0.122 χ^2/NDF: 13726549.9/32

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

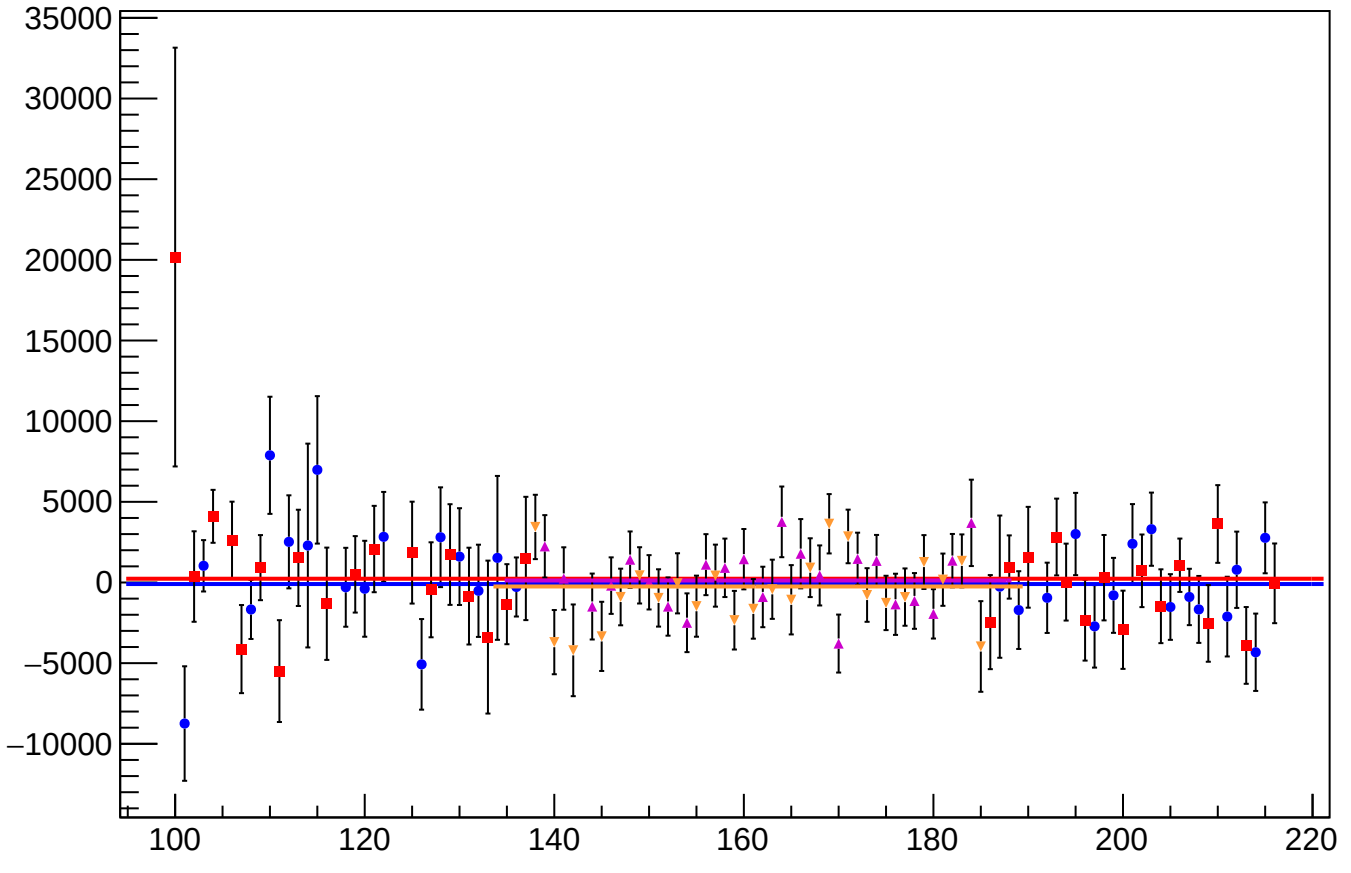
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 682.561+/-0.095 χ^2/NDF: 23950710.5/63

In: 451.273+/-0.064 χ^2/NDF:24111115.0/53

Out: 417.970+/-0.059 χ^2/NDF:24886863.4/56

All: 433.392+/-0.043 χ^2/NDF: 49144224.4/11



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: 233.464+/-441.605 χ^2/NDF: 29.9/32

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

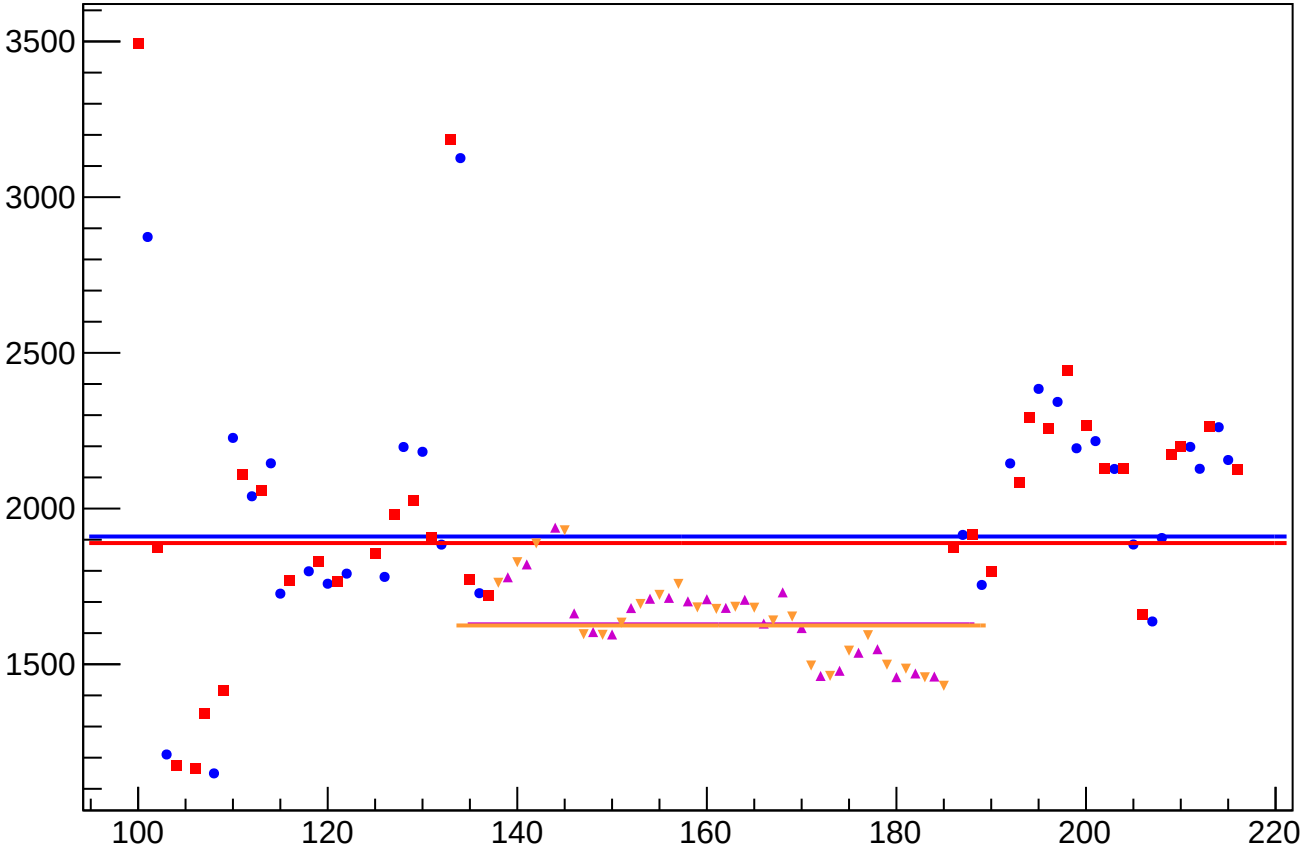
Right: 69.850+/-313.255 χ^2/NDF: 64.5/63

In: 31.996+/-289.390 χ^2/NDF:55.7/53

Out: -43.756+/-287.264 χ^2/NDF:56.6/56

All: -6.159+/-203.874 χ^2/NDF: 112.4/110

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: 1889.223+/-0.312 χ^2/NDF: 1436936.3/32

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

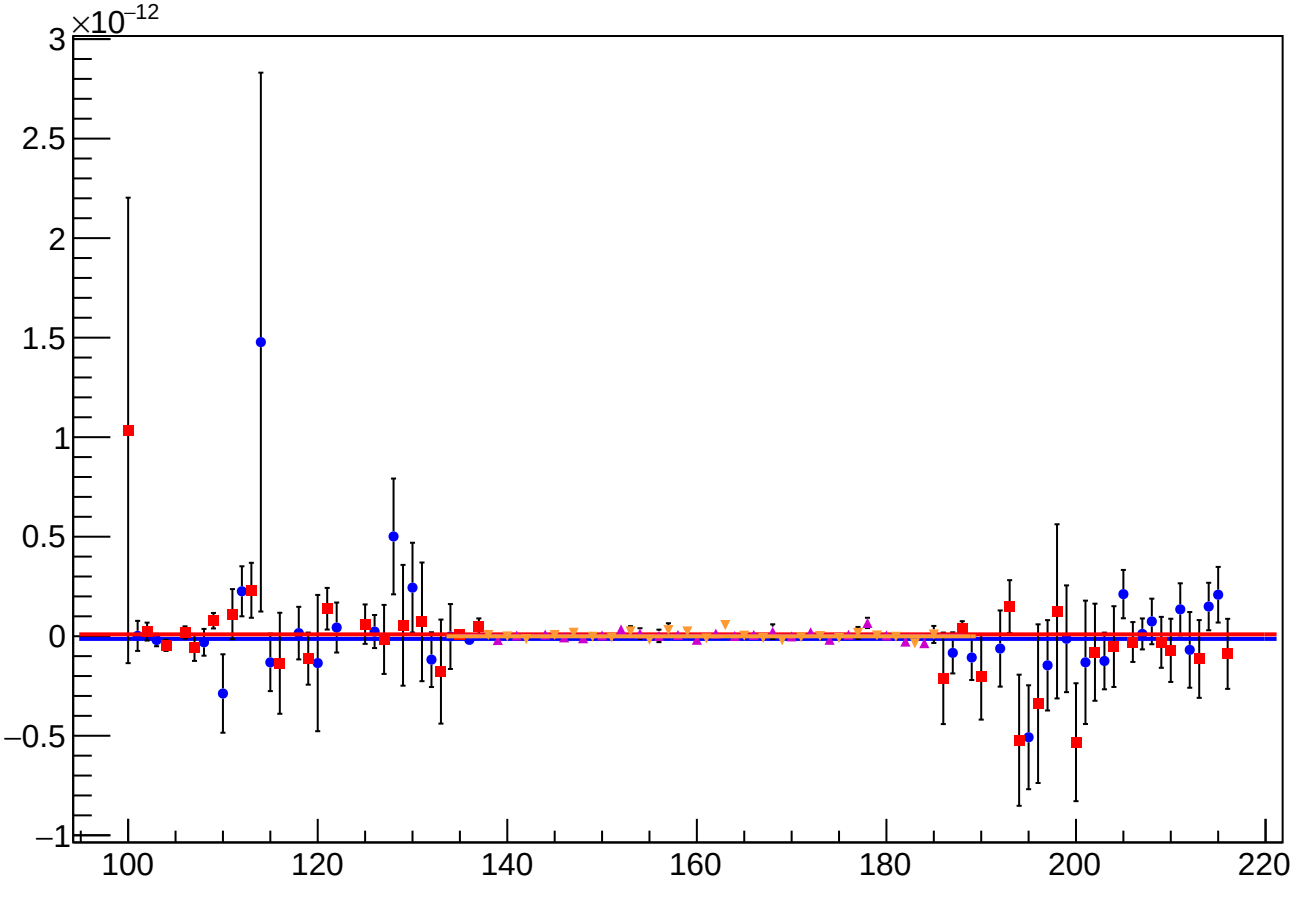
Right: 1899.664+/-0.222 χ^2/NDF: 2926947.7/63

In: 1747.797+/-0.205 χ^2/NDF:2156522.3/53

Out: 1736.583+/-0.203 χ^2/NDF:2058415.0/56

All: 1742.149+/-0.144 χ^2/NDF: 4216449.9/11

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/32

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

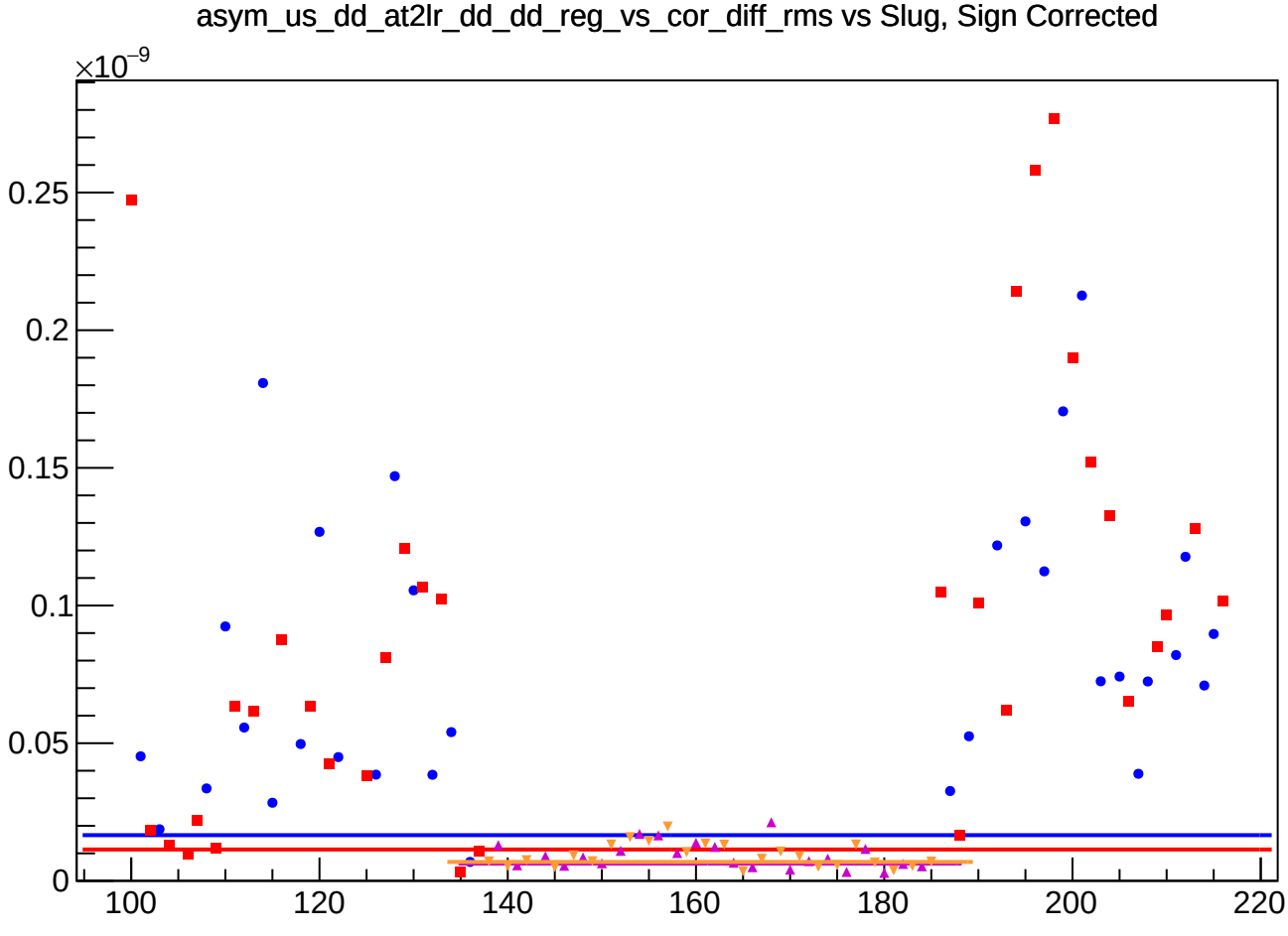
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 60.6/63

In: 0.000+/-0.000 χ^2/NDF:55.6/53

Out: 0.000+/-0.000 χ^2/NDF:52.2/56

All: 0.000+/-0.000 χ^2/NDF: 107.7/110



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: 12196352.9/32

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

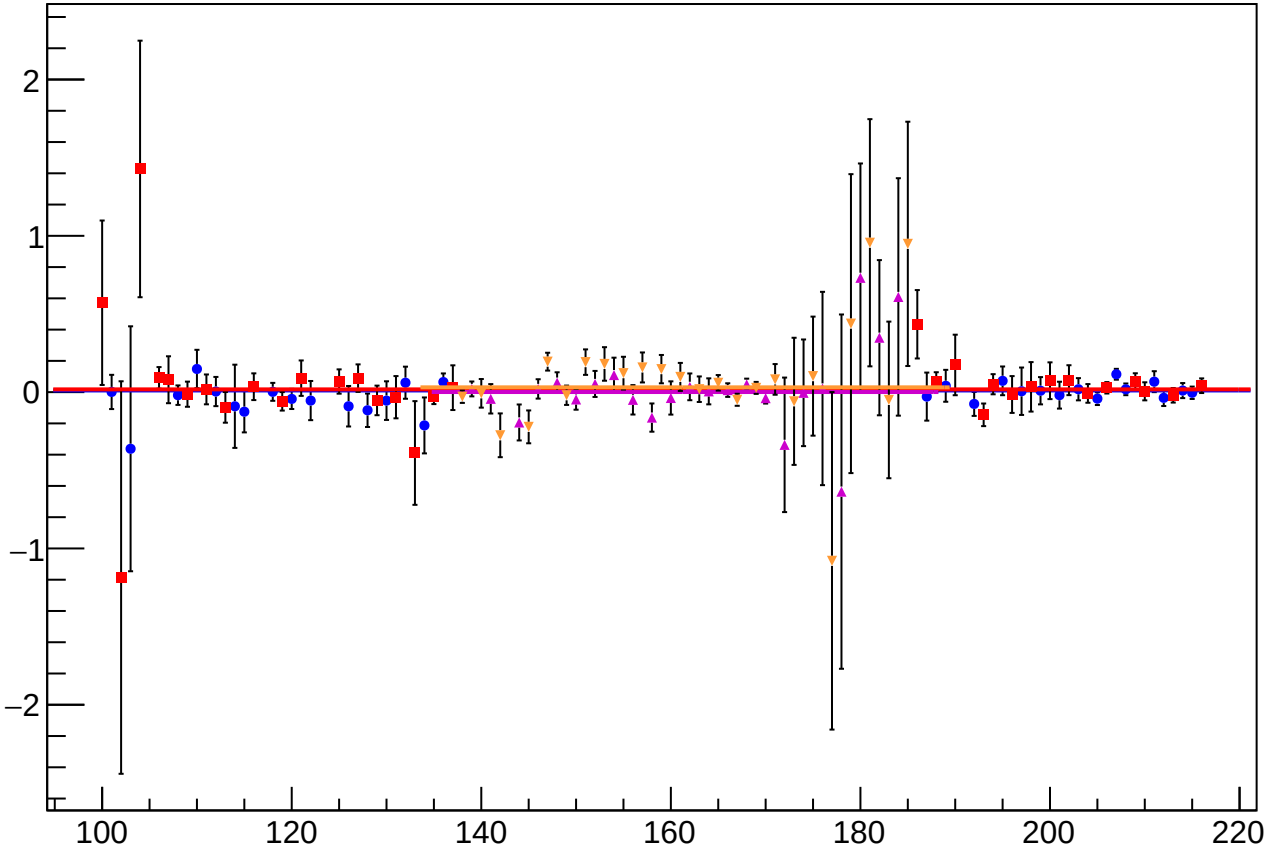
Right: 0.000+/-0.000 χ^2/NDF: 22825890.8/63

In: 0.000+/-0.000 χ^2/NDF:15229705.3/53

Out: 0.000+/-0.000 χ^2/NDF:14974972.3/56

All: 0.000+/-0.000 χ^2/NDF: 30220729.6/110

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: 0.018+/-0.013 χ^2/NDF: 27.1/32

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

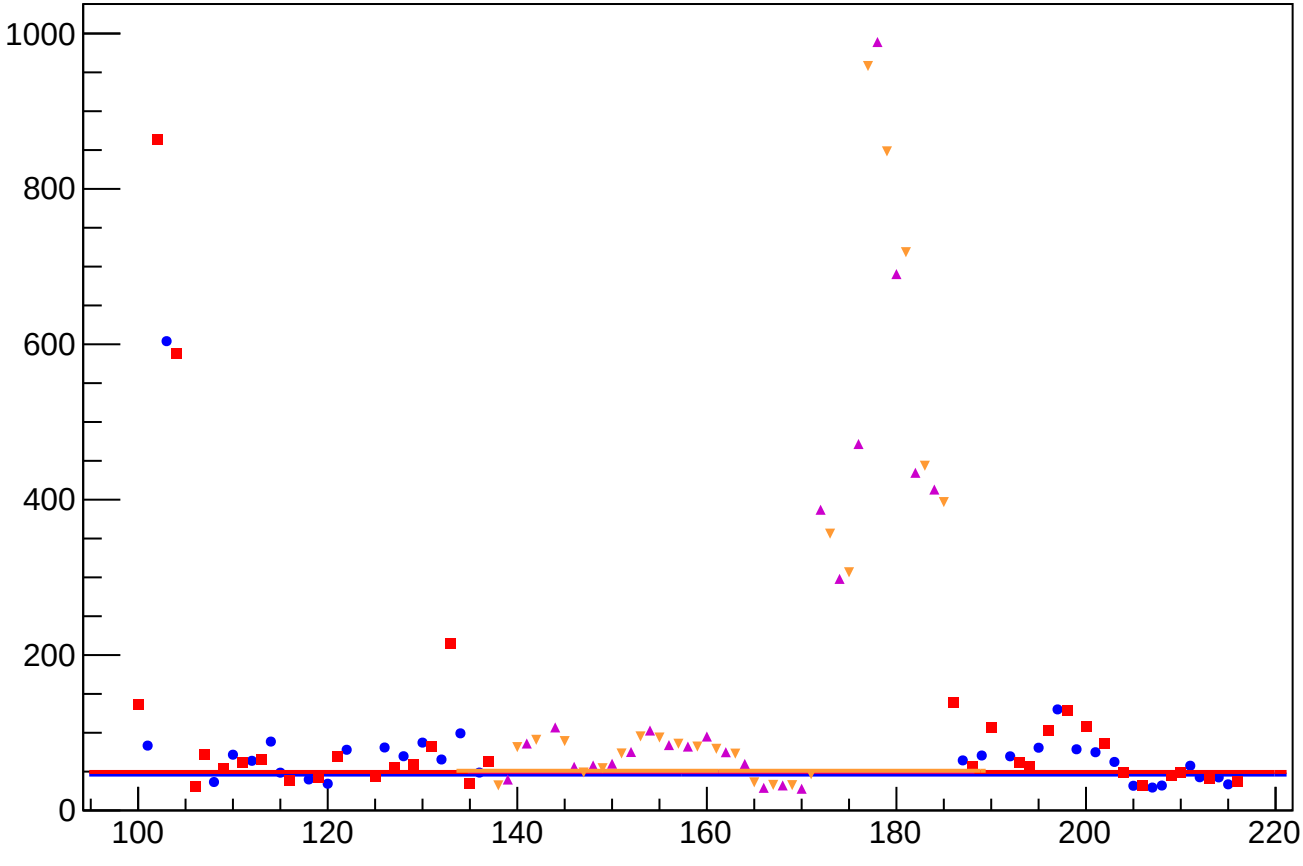
Right: 0.014+/-0.009 χ^2/NDF: 50.4/63

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.023+/-0.010 χ^2/NDF:69.0/56

All: 0.015+/-0.007 χ^2/NDF: 109.9/110

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: 49.547+/-0.009 χ^2/NDF: 5982179.7/32

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

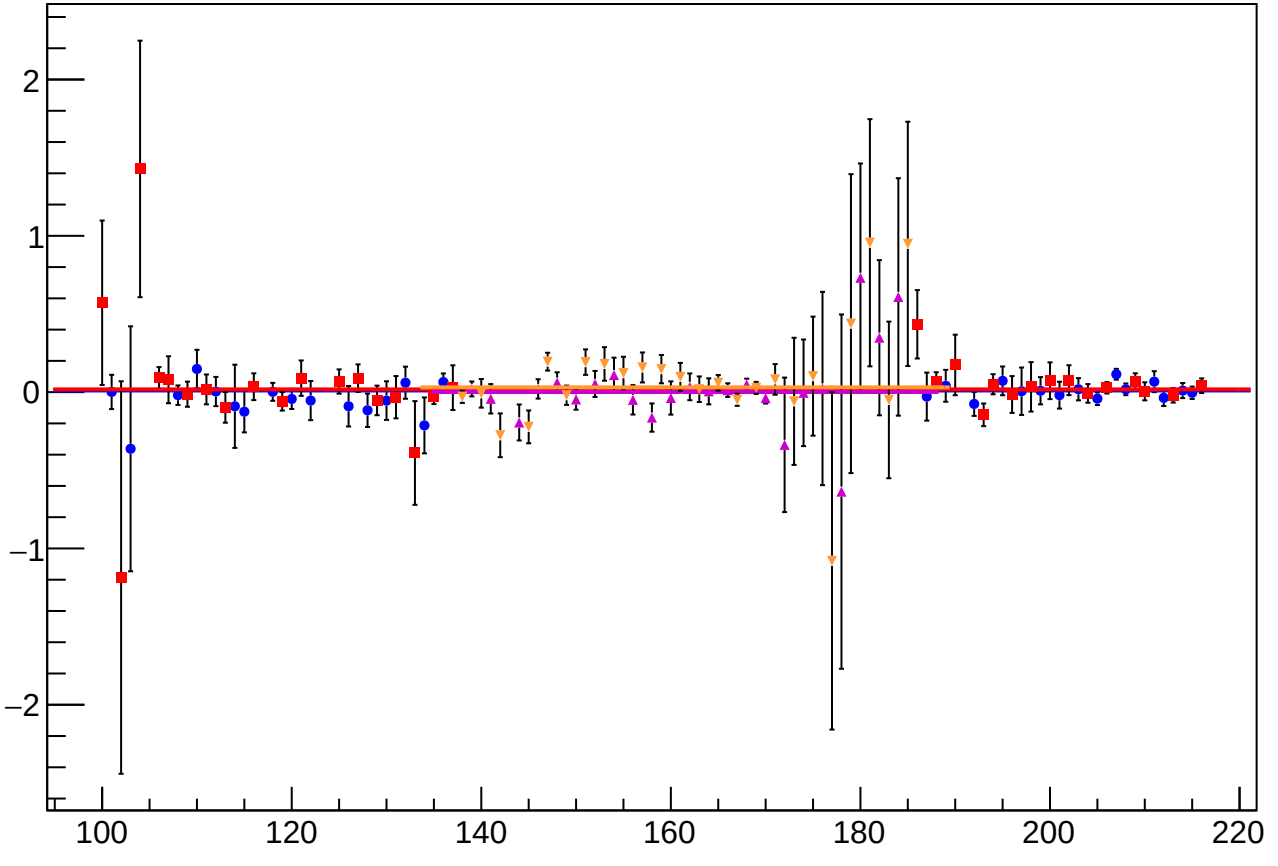
Right: 47.732+/-0.006 χ^2/NDF: 11600576.1/63

In: 47.775+/-0.007 χ^2/NDF:17831010.1/53

Out: 50.196+/-0.007 χ^2/NDF:17730156.2/56

All: 48.926+/-0.005 χ^2/NDF: 35621886.2/110

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: 0.018+/-0.013 χ^2/NDF: 27.1/32

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

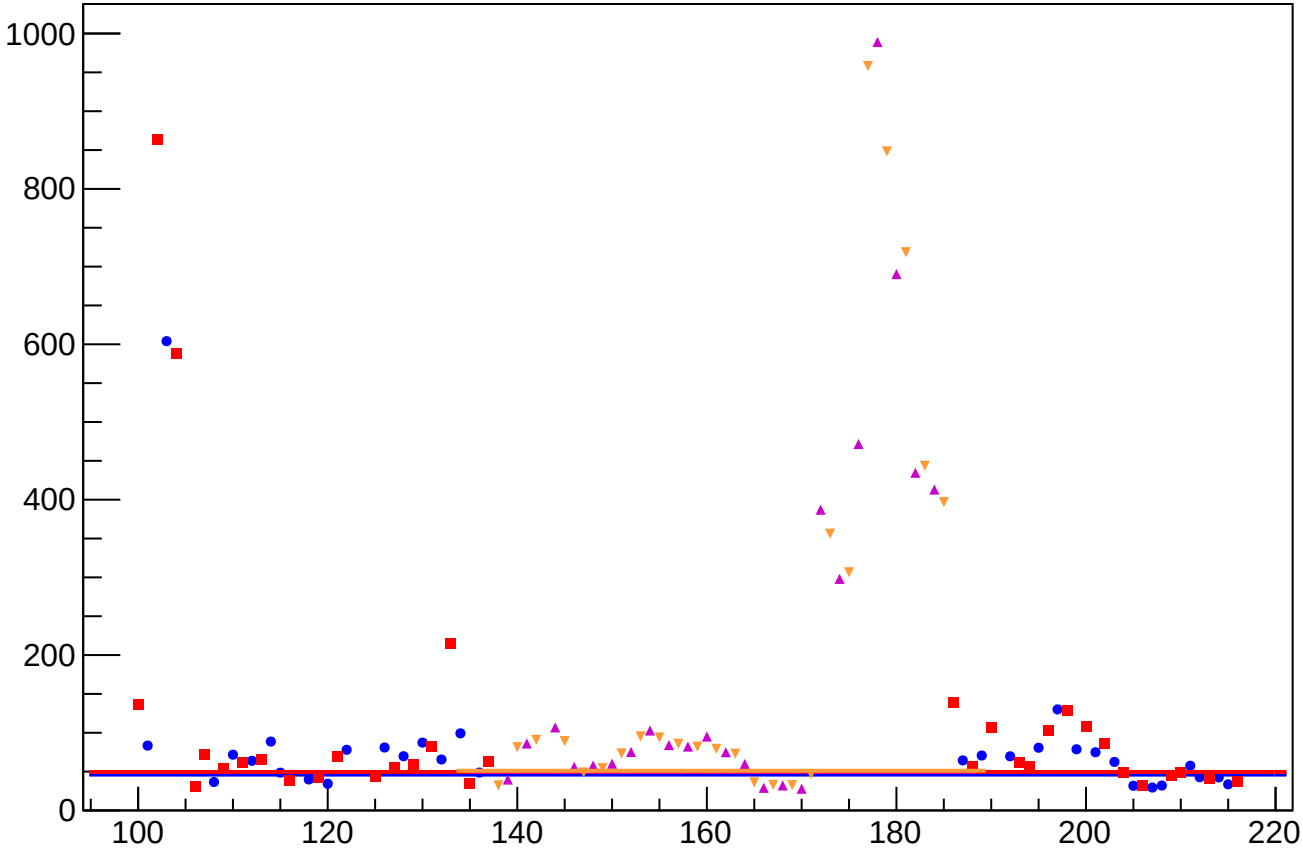
Right: 0.014+/-0.009 χ^2/NDF: 50.4/63

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.023+/-0.010 χ^2/NDF:69.0/56

All: 0.015+/-0.007 χ^2/NDF: 109.9/110

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: 49.547+/-0.009 χ^2/NDF: 5982179.7/32

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

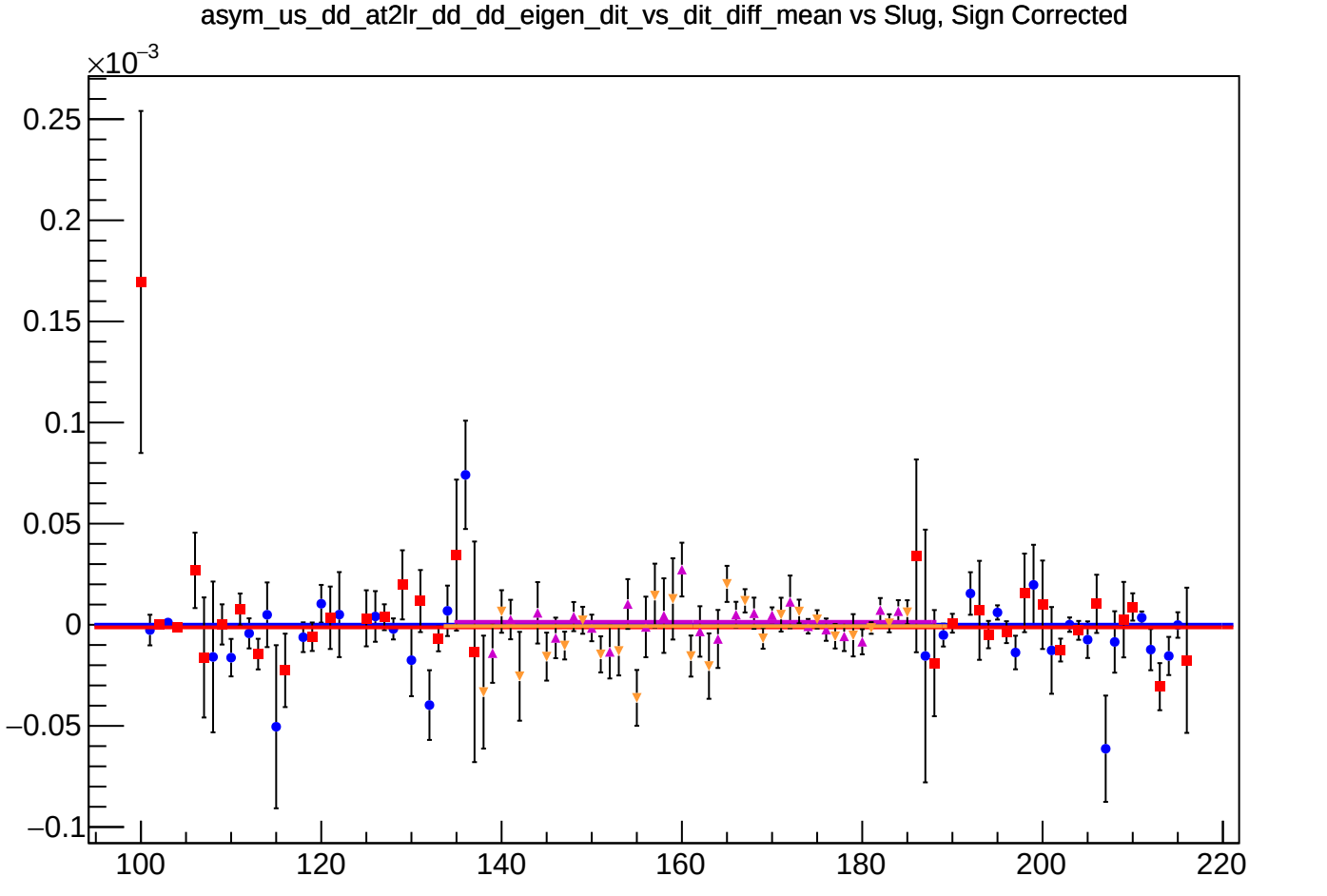
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 47.732+/-0.006 χ^2/NDF: 11600576.1/63

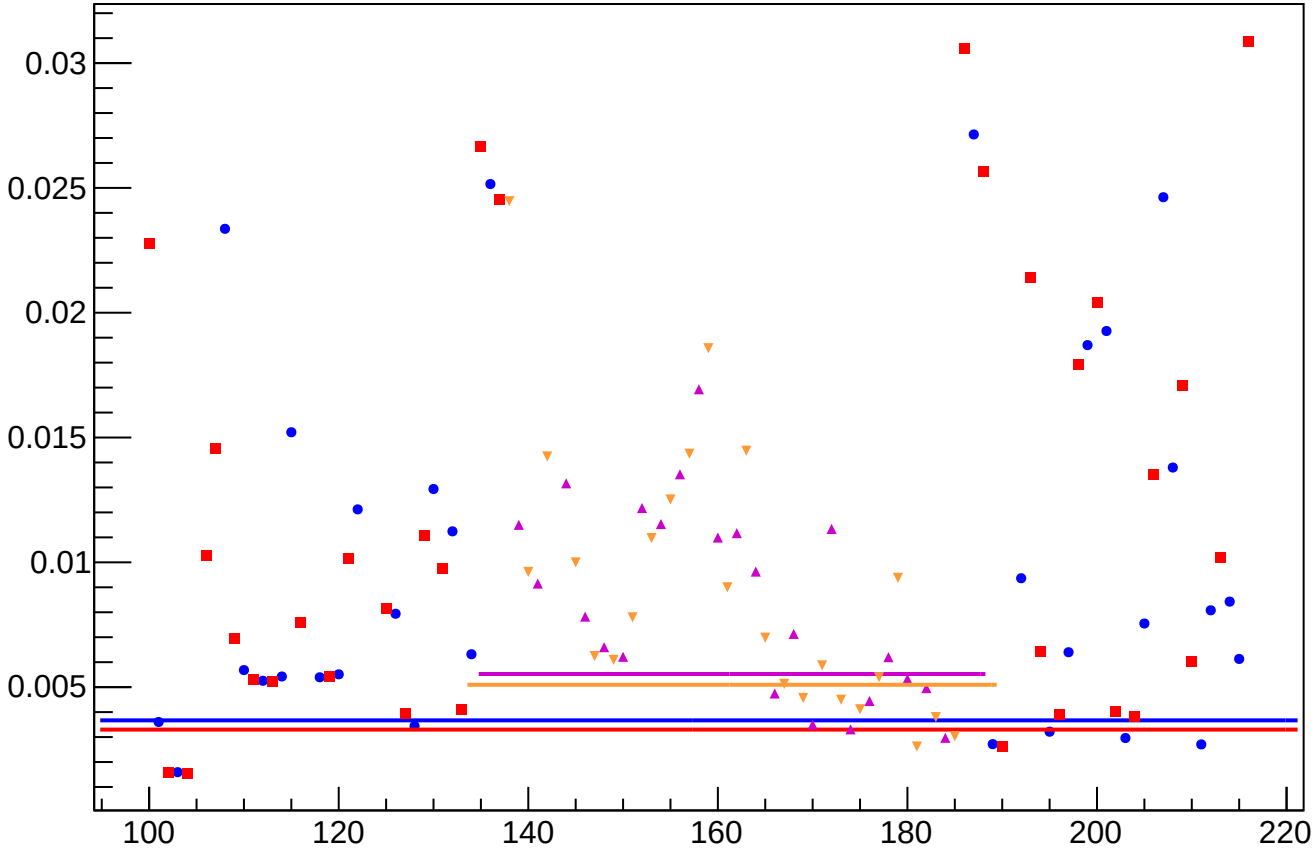
In: 47.775+/-0.007 χ^2/NDF:17831010.1/53

Out: 50.196+/-0.007 χ^2/NDF:17730156.2/56

All: 48.926+/-0.005 χ^2/NDF: 35621886.2/110


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 44.1/30
Left Out: -0.000+/-0.000 χ²/NDF:38.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 34.4/32
Left In: 0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 56.0/46
Right: -0.000+/-0.000 χ²/NDF: 79.2/63
In: 0.000+/-0.000 χ²/NDF:61.1/53
Out: -0.000+/-0.000 χ²/NDF:73.0/56
All: -0.000+/-0.000 χ²/NDF: 135.7/110

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: 17386615.9/32

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

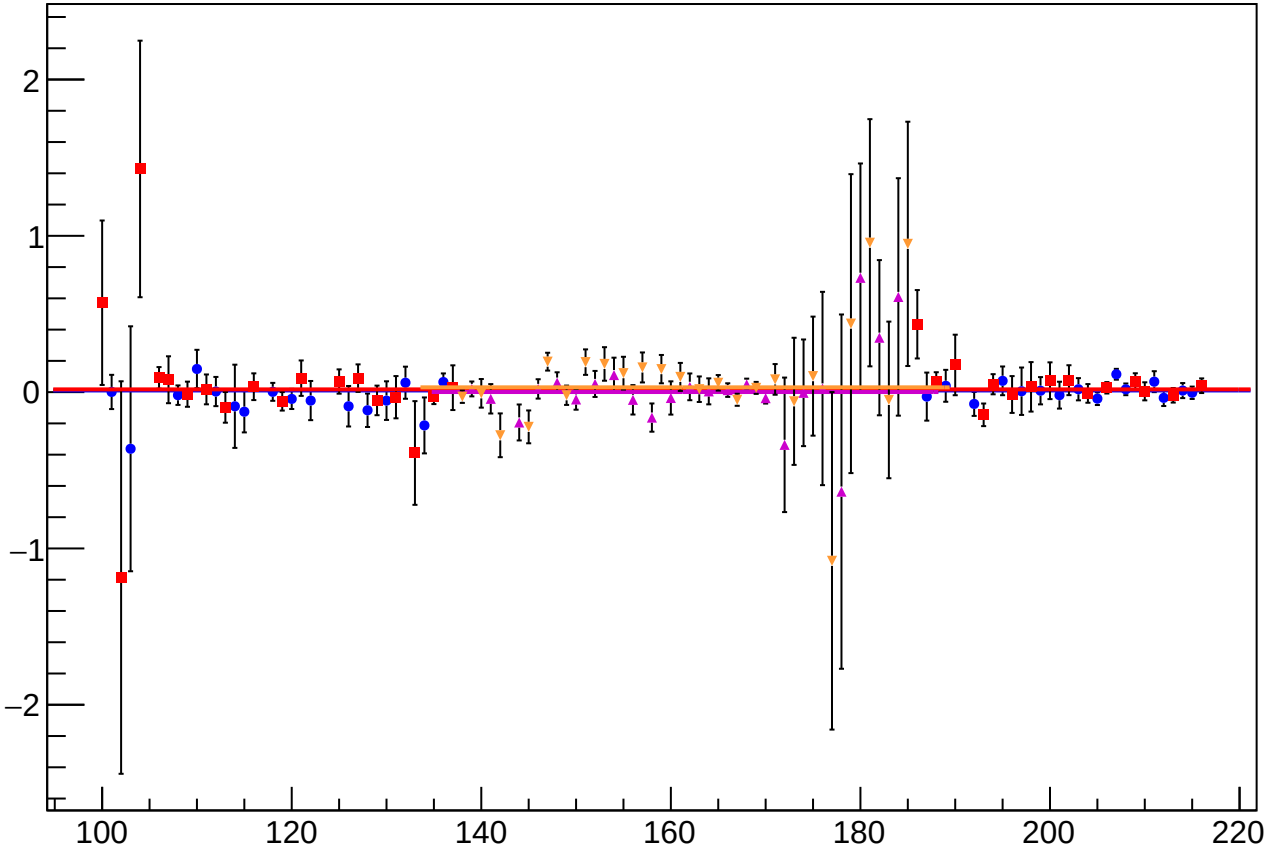
Right: 0.003+/-0.000 χ^2/NDF: 30911903.7/63

In: 0.004+/-0.000 χ^2/NDF:22236139.2/53

Out: 0.004+/-0.000 χ^2/NDF:27837291.2/56

All: 0.004+/-0.000 χ^2/NDF: 50242994.1/110

asym_us_dd_at2lr_dd_dd_eigen_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: 0.018+/-0.013 χ^2/NDF: 27.1/32

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

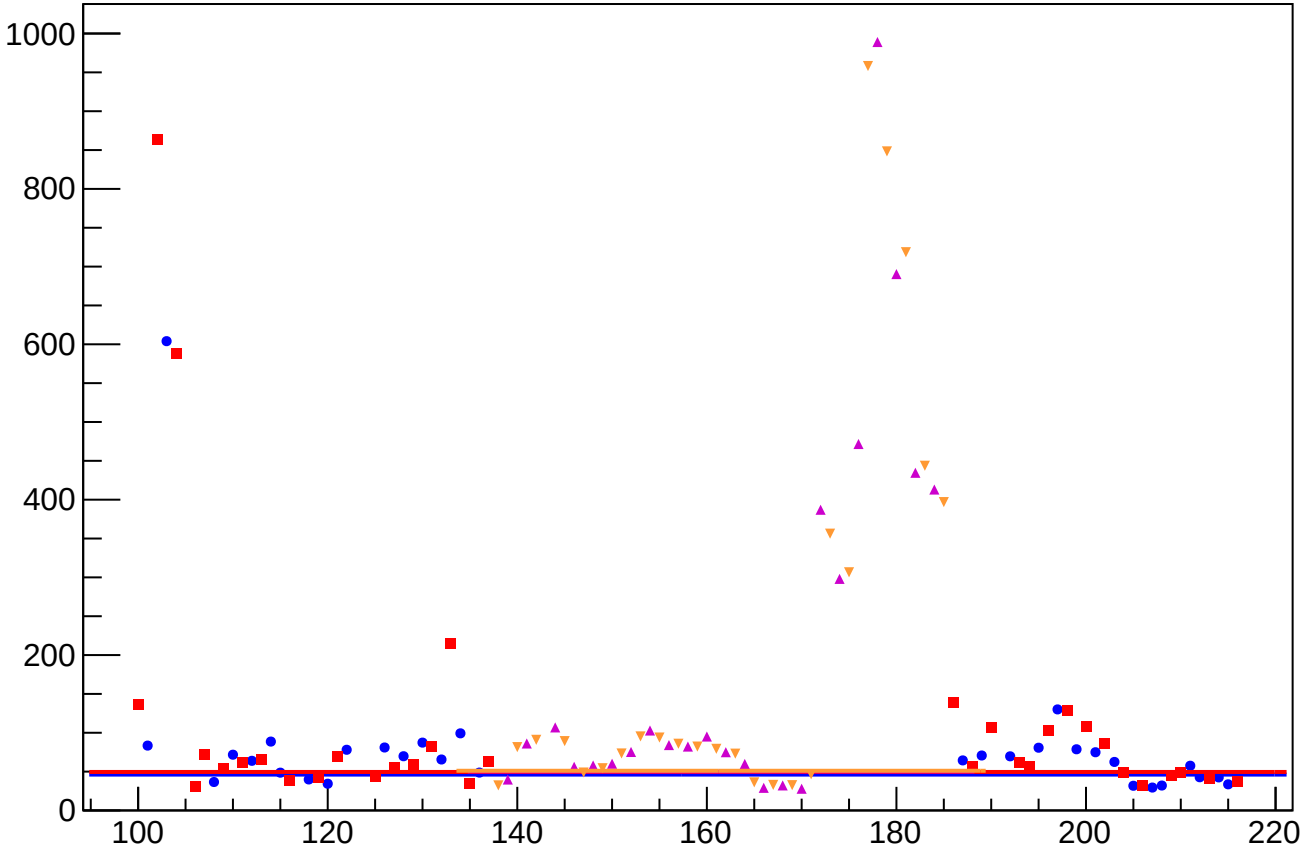
Right: 0.014+/-0.009 χ^2/NDF: 50.4/63

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.023+/-0.010 χ^2/NDF:69.0/56

All: 0.015+/-0.007 χ^2/NDF: 109.9/110

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: 49.549+/-0.009 χ^2/NDF: 5981852.3/32

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

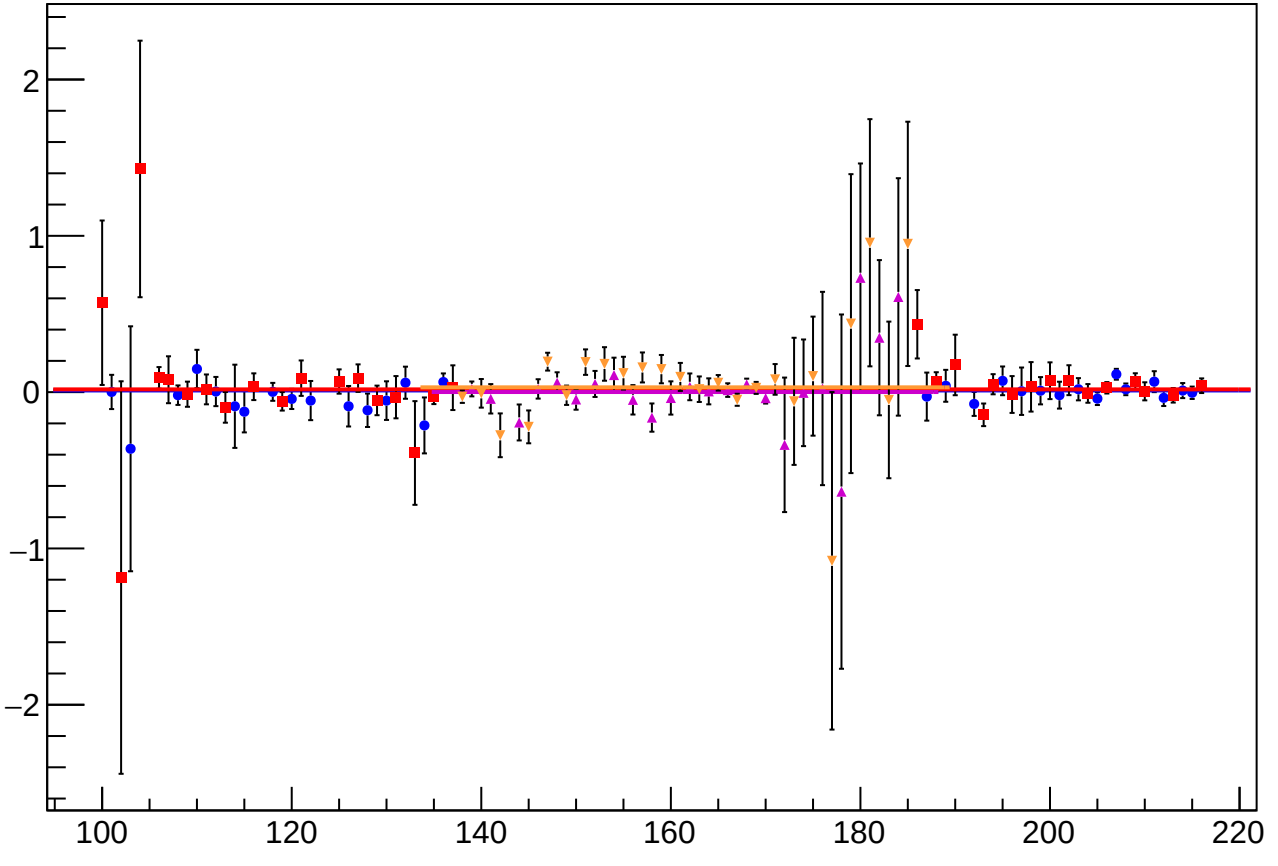
Right: 47.733+/-0.006 χ^2/NDF: 11600372.0/63

In: 47.775+/-0.007 χ^2/NDF:17831011.2/53

Out: 50.198+/-0.007 χ^2/NDF:17729008.9/56

All: 48.927+/-0.005 χ^2/NDF: 35620838.9/110

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: 0.018+/-0.013 χ^2/NDF: 27.1/32

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

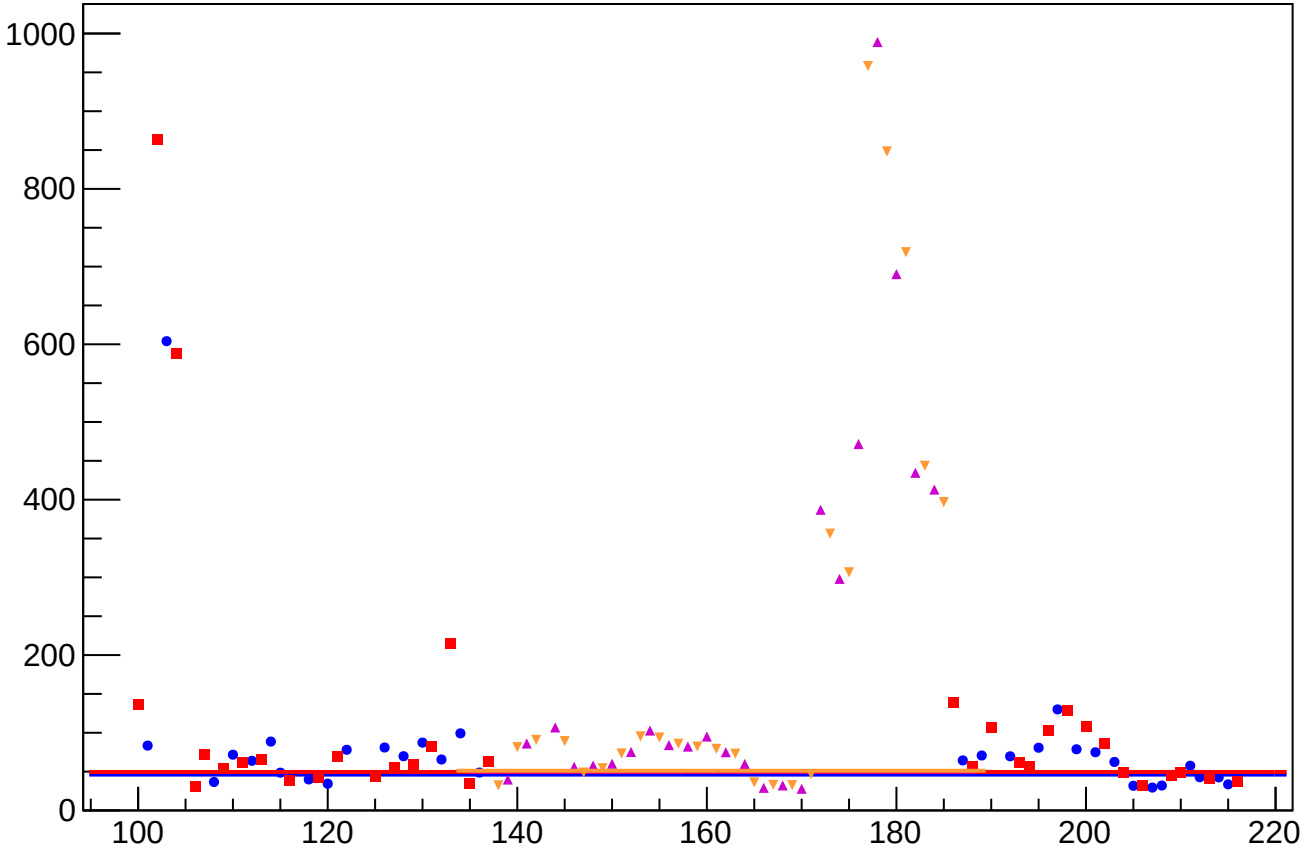
Right: 0.014+/-0.009 χ^2/NDF: 50.4/63

In: 0.007+/-0.010 χ^2/NDF:39.5/53

Out: 0.023+/-0.010 χ^2/NDF:69.0/56

All: 0.015+/-0.007 χ^2/NDF: 109.9/110

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: 49.549+/-0.009 χ^2/NDF: 5981852.3/32

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

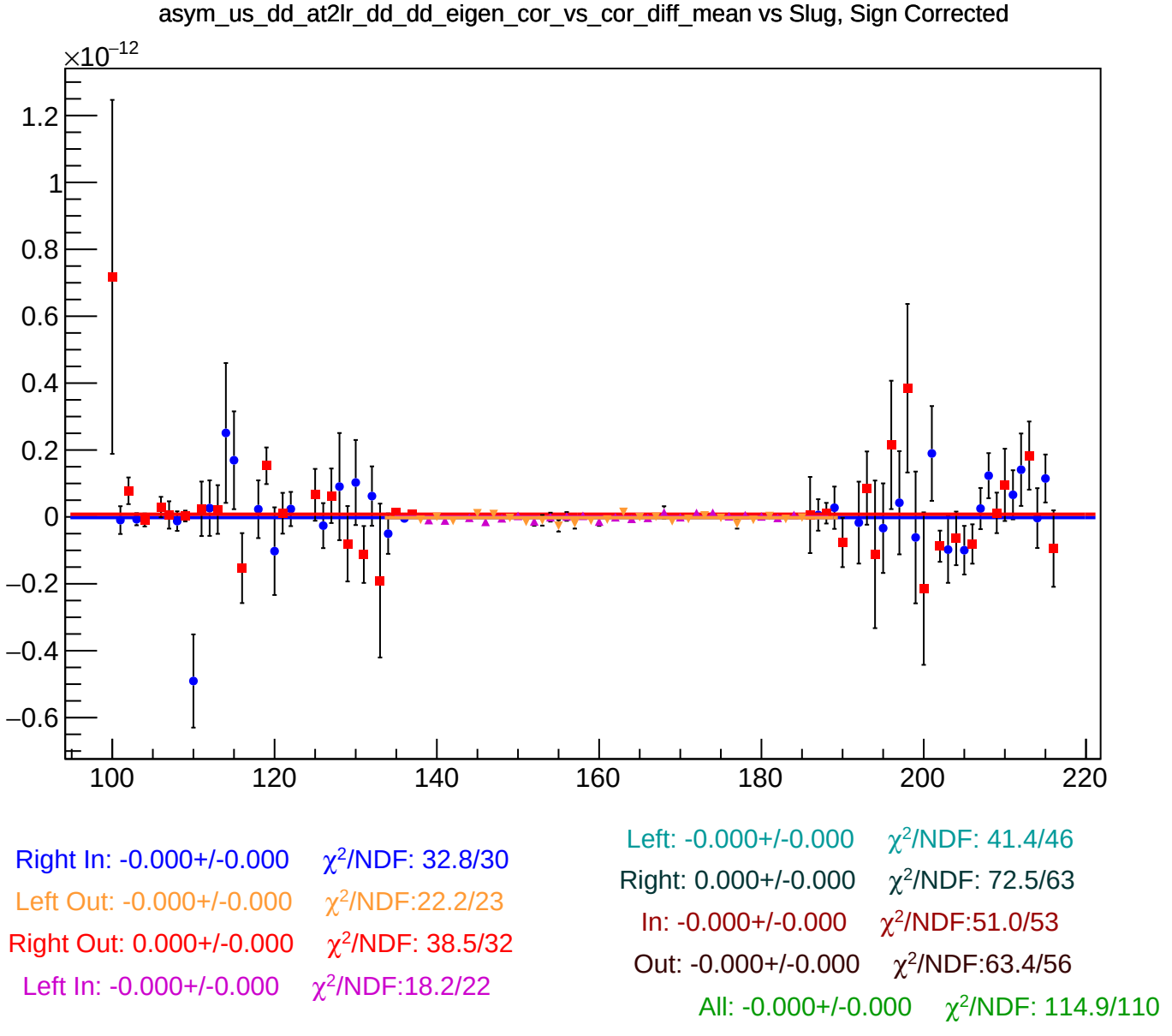
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 47.733+/-0.006 χ^2/NDF: 11600372.0/63

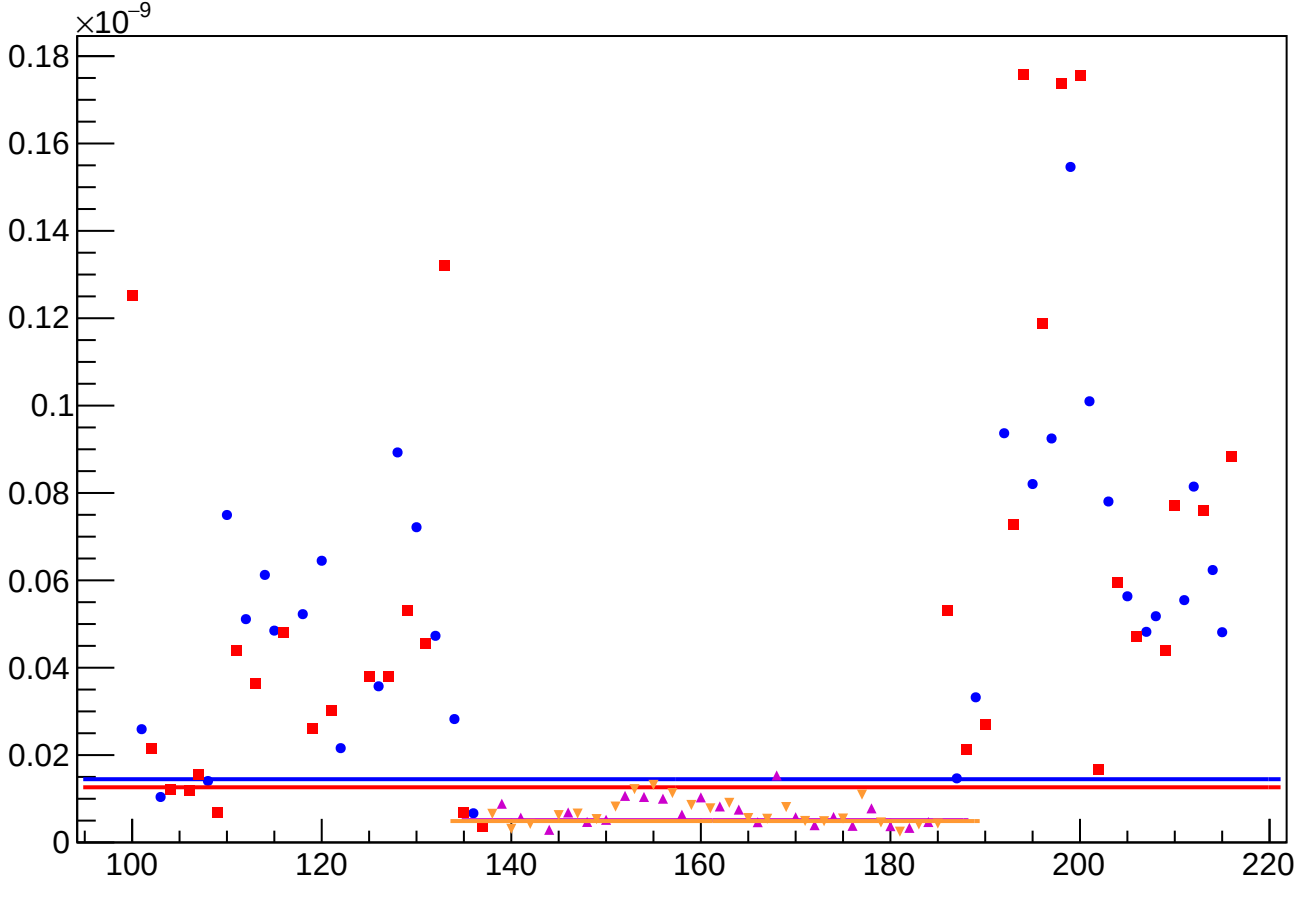
In: 47.775+/-0.007 χ^2/NDF:17831011.2/53

Out: 50.198+/-0.007 χ^2/NDF:17729008.9/56

All: 48.927+/-0.005 χ^2/NDF: 35620838.9/110


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 32.8/30
Left Out: -0.000+/-0.000 χ²/NDF:22.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 38.5/32
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 41.4/46
Right: 0.000+/-0.000 χ²/NDF: 72.5/63
In: -0.000+/-0.000 χ²/NDF:51.0/53
Out: -0.000+/-0.000 χ²/NDF:63.4/56
All: -0.000+/-0.000 χ²/NDF: 114.9/110

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14076876.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13445193.7/32

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

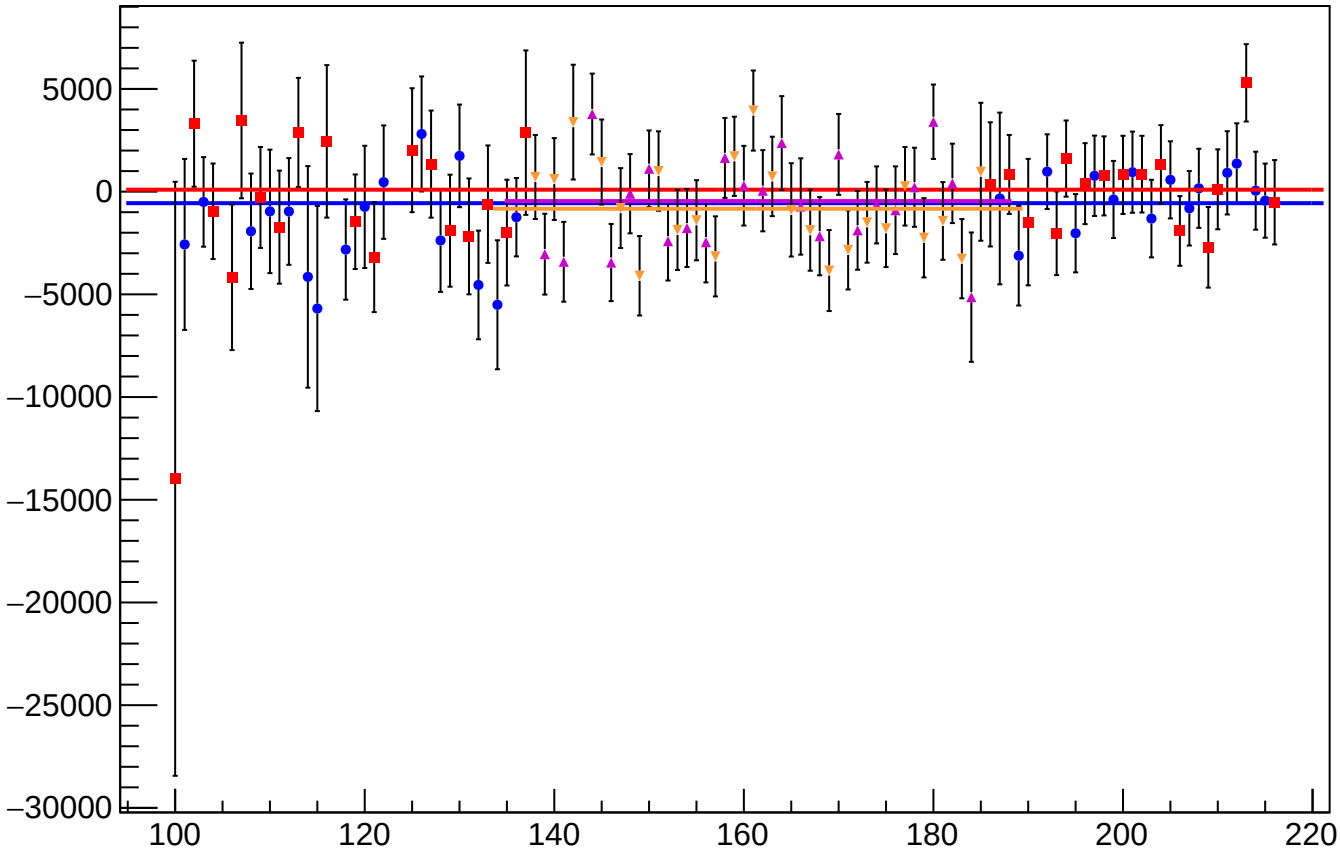
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 27608337.8/63

In: 0.000+/-0.000 χ^2/NDF:21791497.3/53

Out: 0.000+/-0.000 χ^2/NDF:20787530.1/56

All: 0.000+/-0.000 χ^2/NDF: 42612857.2/110



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: 94.880+/-411.354 χ^2/NDF: 25.6/32

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

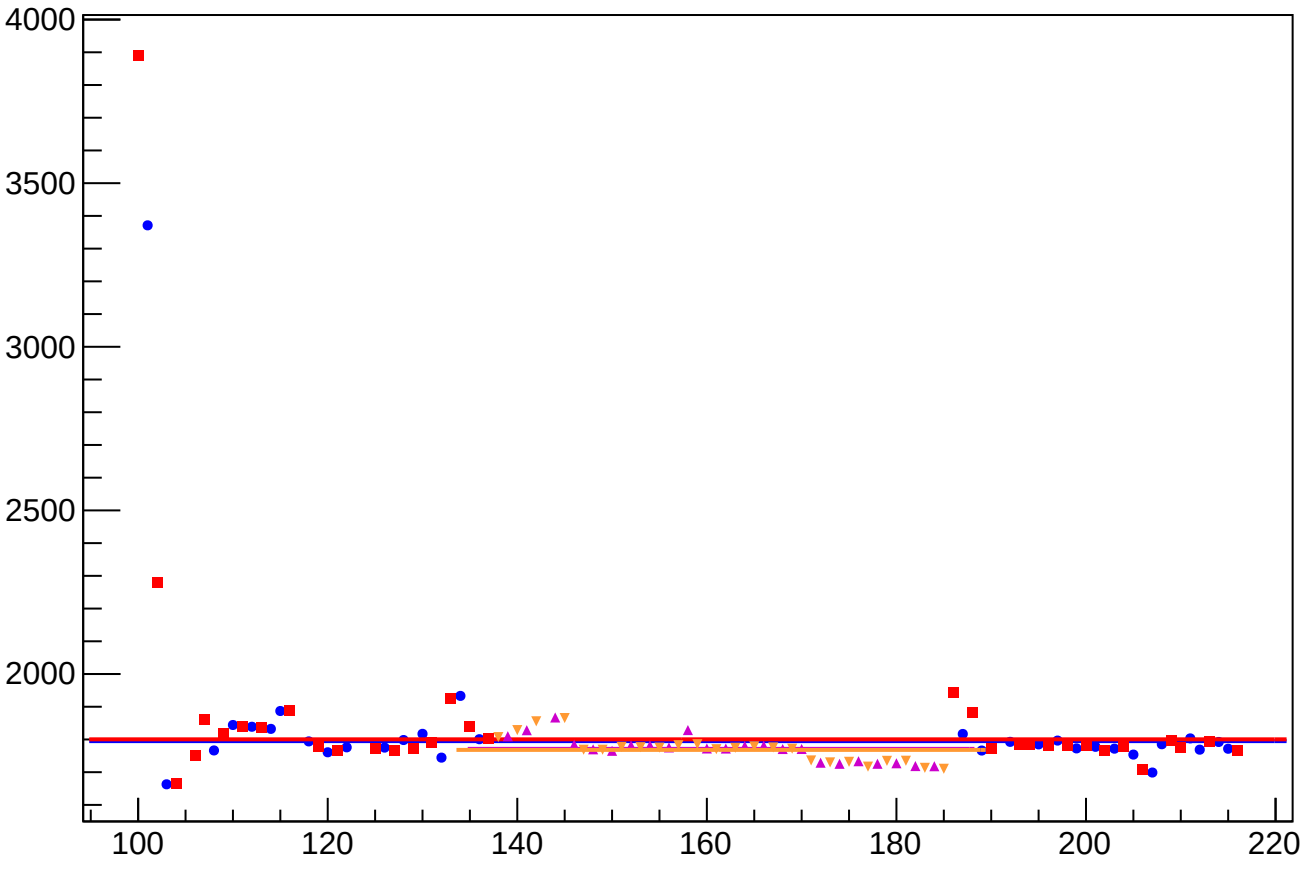
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -234.091+/-290.524 χ^2/NDF: 43.4/63

In: -510.949+/-291.325 χ^2/NDF:43.8/53

Out: -369.874+/-290.550 χ^2/NDF:53.6/56

All: -440.224+/-205.724 χ^2/NDF: 97.5/110



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: 1800.396+/-0.291 χ^2/NDF: 122901.5/32

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

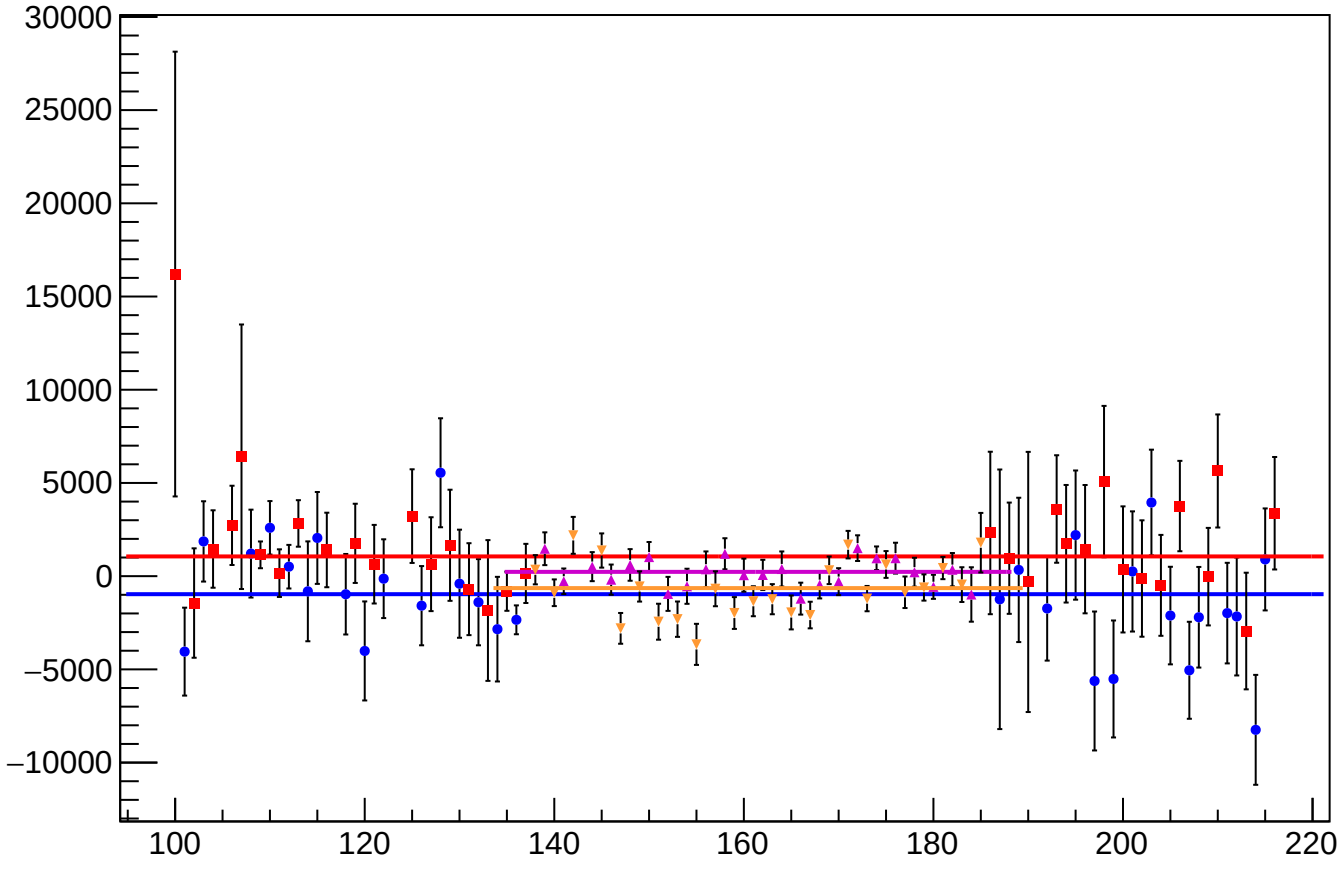
Right: 1797.661+/-0.205 χ^2/NDF: 433088.7/63

In: 1783.172+/-0.206 χ^2/NDF:329751.6/53

Out: 1784.225+/-0.205 χ^2/NDF:145427.5/56

All: 1783.700+/-0.145 χ^2/NDF: 475192.2/110

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: 1058.565+/-354.085 χ^2/NDF: 20.1/32

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

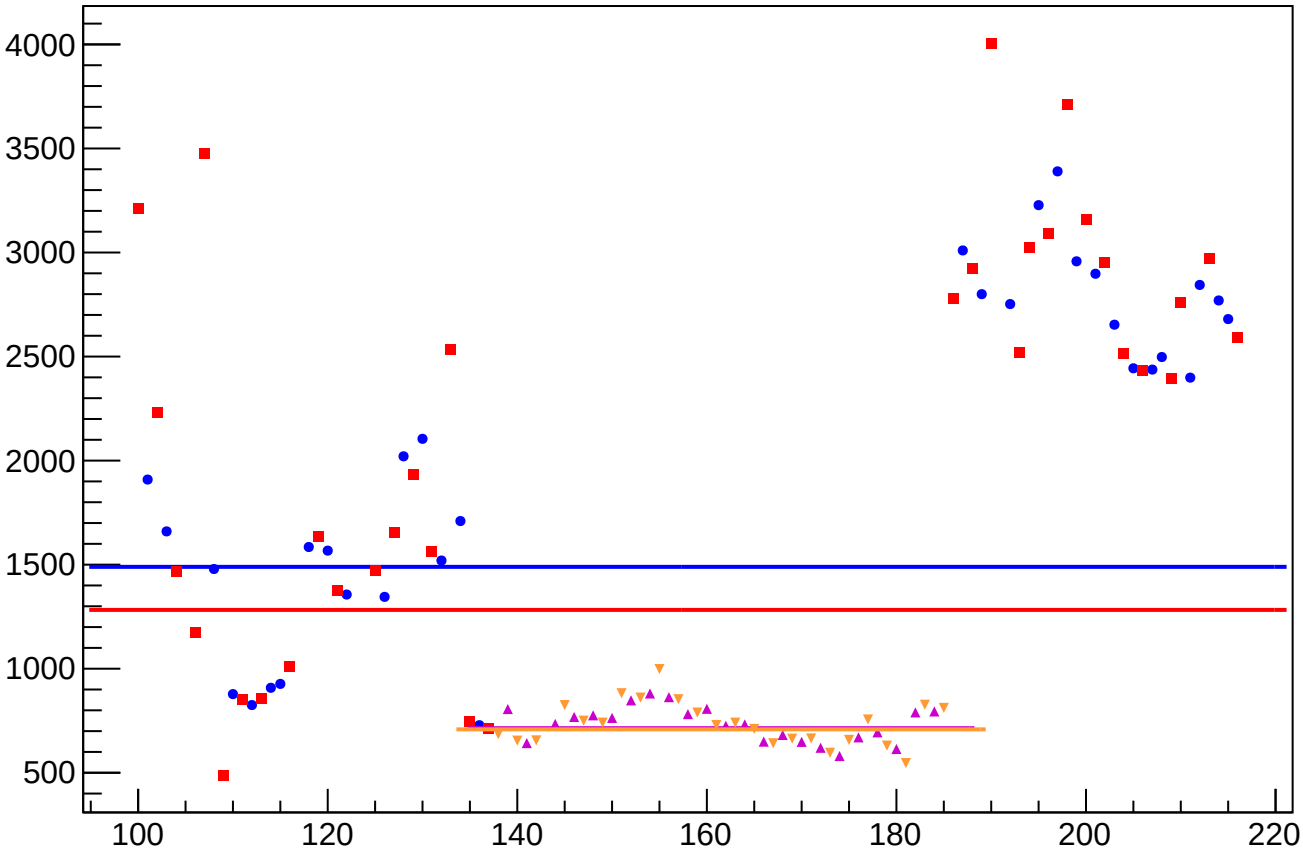
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 132.146+/-260.809 χ^2/NDF: 76.3/63

In: 39.047+/-154.263 χ^2/NDF:69.3/53

Out: -333.429+/-150.636 χ^2/NDF:105.6/56

All: -151.622+/-107.775 χ^2/NDF: 177.9/110



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: 1282.593+/-0.250 χ^2/NDF: 11905596.9/32

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

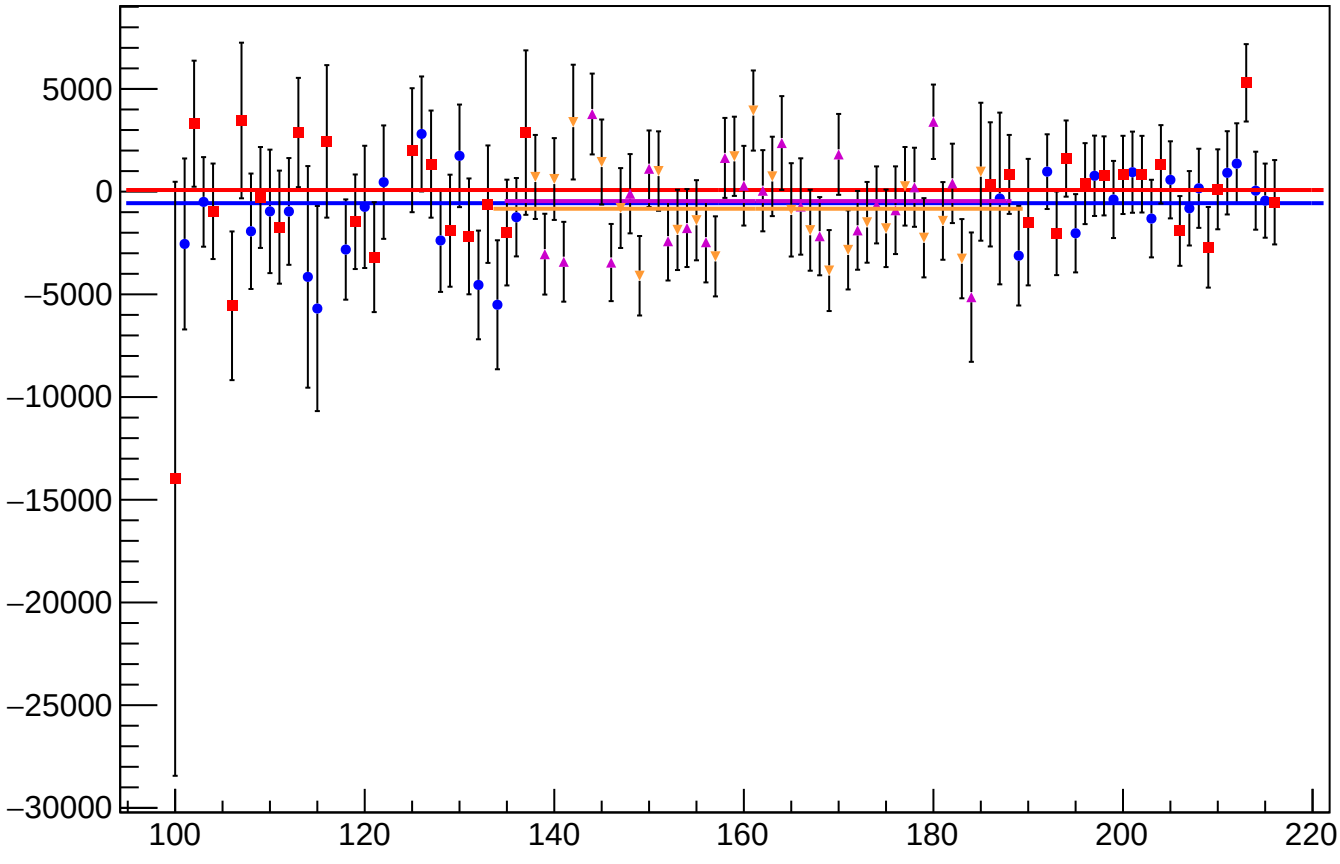
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1377.209+/-0.184 χ^2/NDF: 20695377.5/63

In: 838.235+/-0.109 χ^2/NDF:15765158.7/53

Out: 812.404+/-0.107 χ^2/NDF:16912017.1/56

All: 825.012+/-0.076 χ^2/NDF: 32705882.5/1



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: 79.290+/-411.467 χ^2/NDF: 26.6/32

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

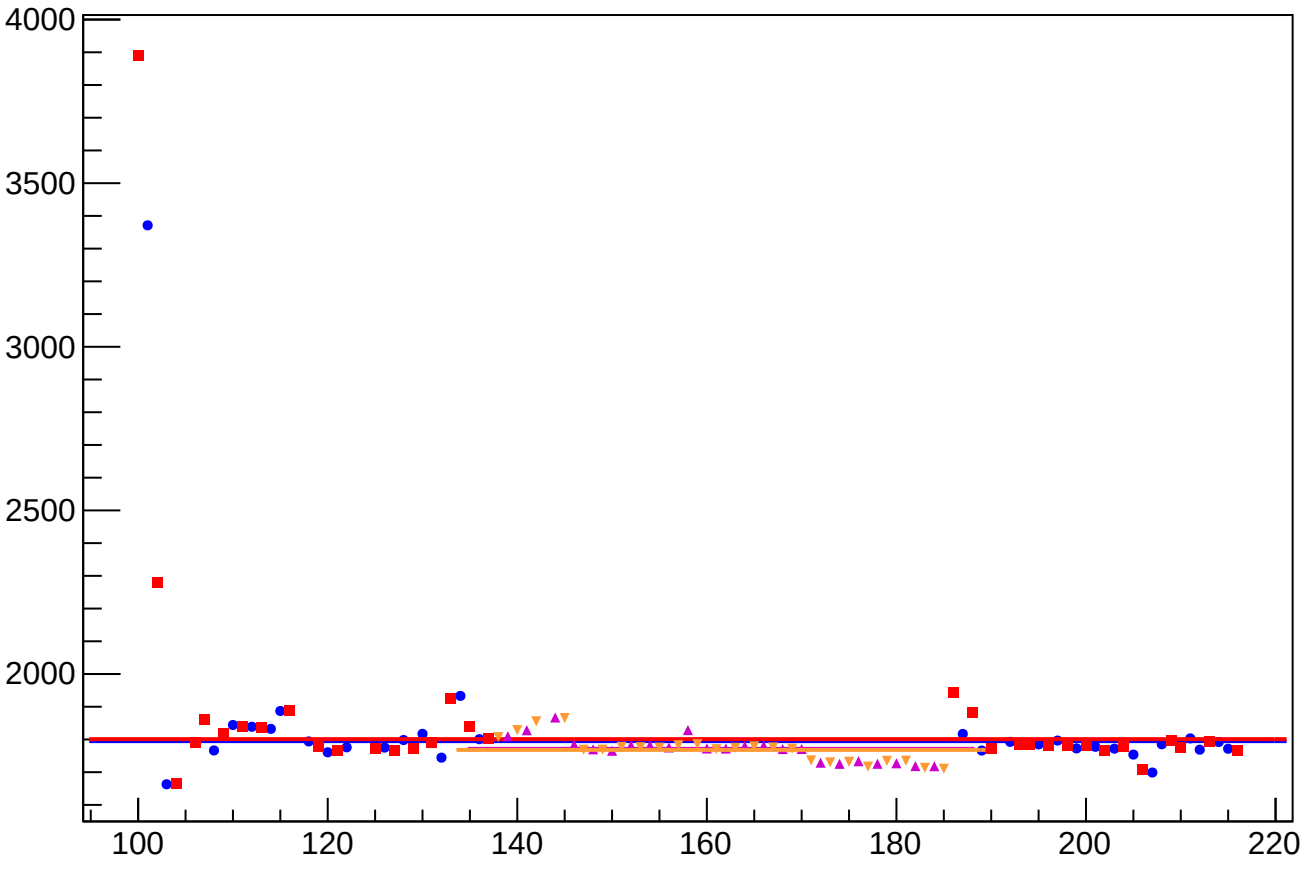
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -241.846+/-290.564 χ^2/NDF: 44.3/63

In: -510.819+/-291.325 χ^2/NDF:43.7/53

Out: -377.724+/-290.590 χ^2/NDF:54.5/56

All: -444.103+/-205.738 χ^2/NDF: 98.4/110



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: 1800.952+/-0.291 χ^2/NDF: 122515.4/32

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

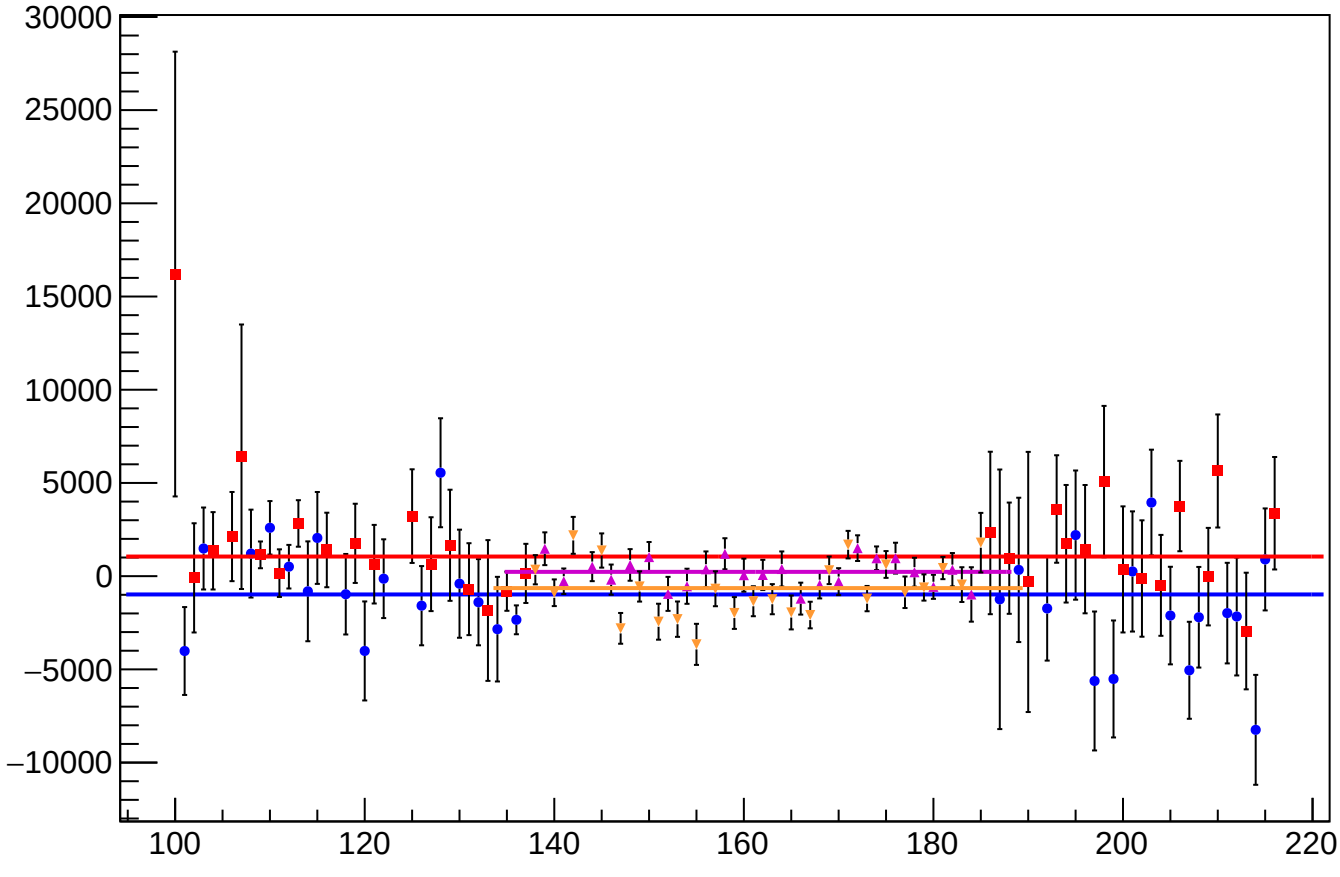
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1797.937+/-0.205 χ^2/NDF: 432742.2/63

In: 1783.172+/-0.206 χ^2/NDF:329753.4/53

Out: 1784.498+/-0.205 χ^2/NDF:145254.0/56

All: 1783.837+/-0.145 χ^2/NDF: 475028.1/110



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: 1052.244+/-355.099 χ^2/NDF: 19.0/32

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

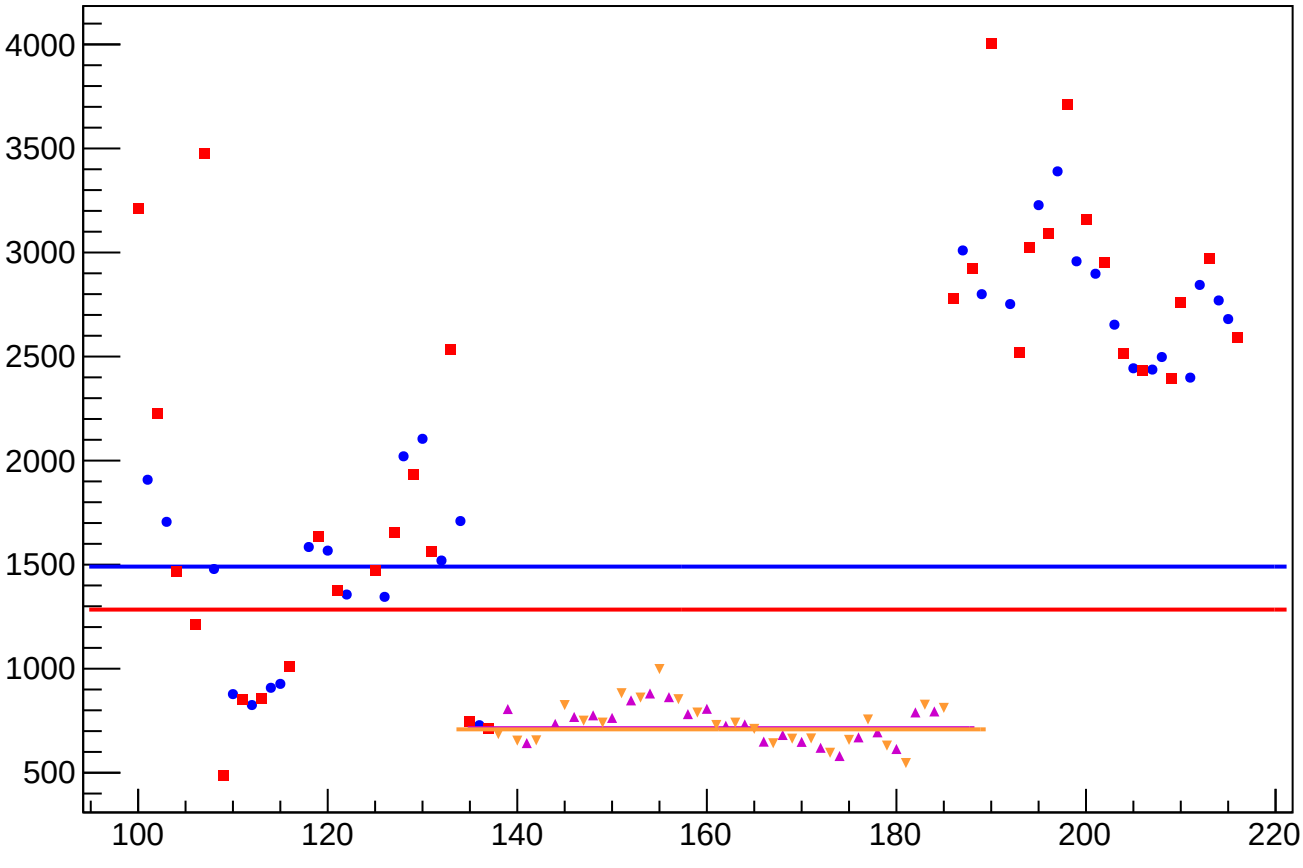
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 119.803+/-261.290 χ^2/NDF: 74.8/63

In: 36.851+/-154.280 χ^2/NDF:69.0/53

Out: -335.983+/-150.714 χ^2/NDF:104.4/56

All: -153.924+/-107.810 χ^2/NDF: 176.3/110



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: 1284.031+/-0.251 χ^2/NDF: 11901099.5/32

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

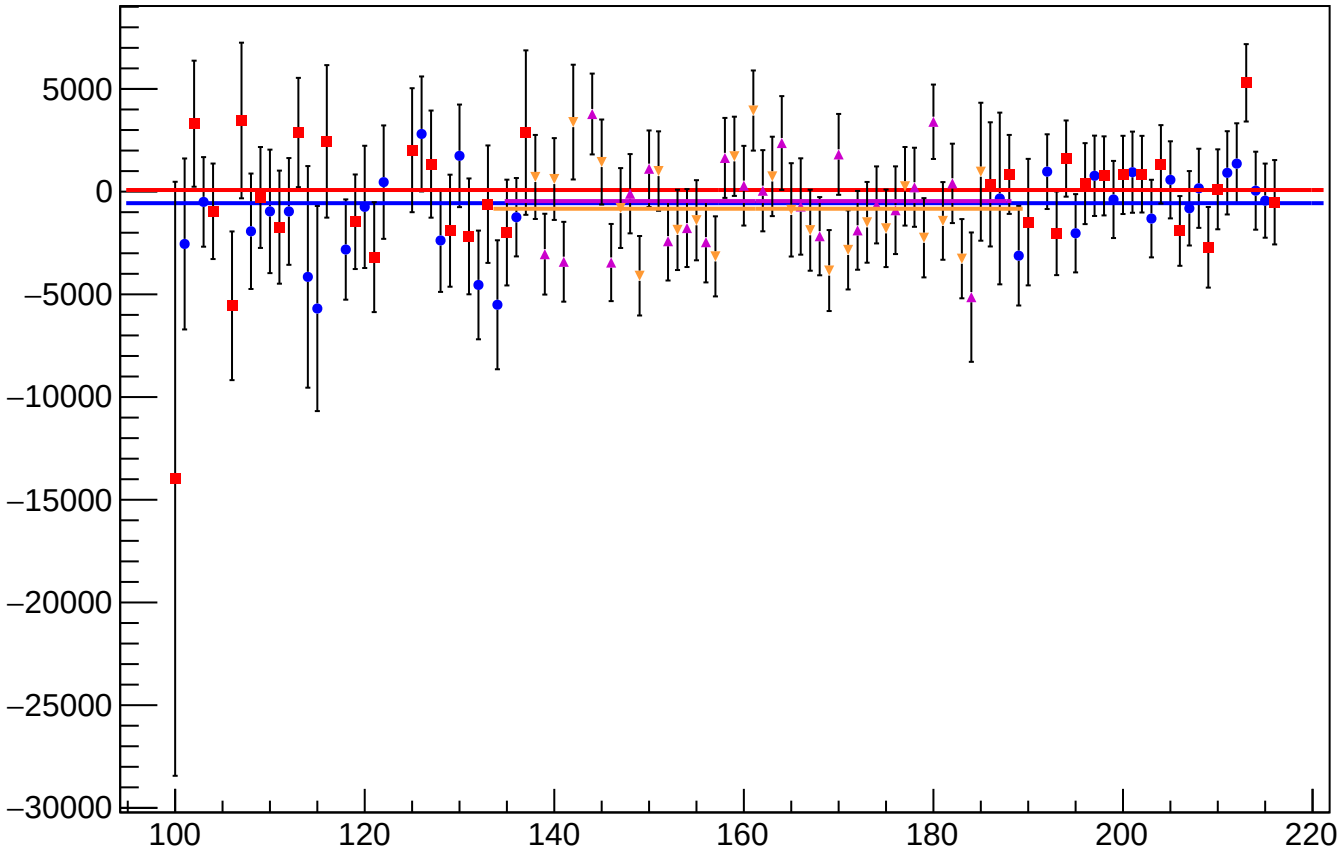
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1378.762+/-0.185 χ^2/NDF: 20695604.7/63

In: 838.300+/-0.109 χ^2/NDF:15785143.2/53

Out: 812.183+/-0.107 χ^2/NDF:16908759.4/56

All: 824.936+/-0.076 χ^2/NDF: 32723228.7/1



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: 79.290+/-411.467 χ^2/NDF: 26.6/32

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

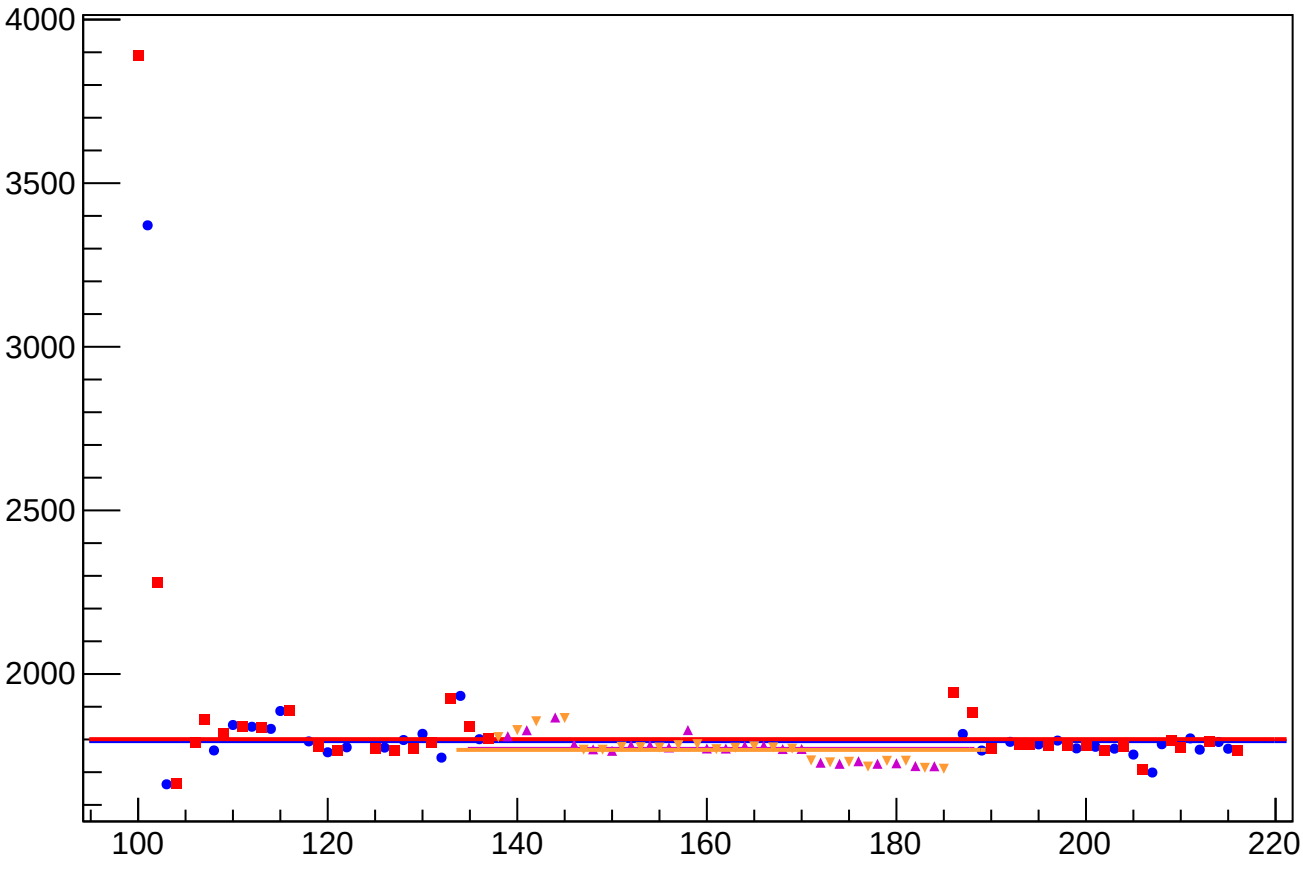
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -241.846+/-290.564 χ^2/NDF: 44.3/63

In: -510.819+/-291.325 χ^2/NDF:43.7/53

Out: -377.724+/-290.590 χ^2/NDF:54.5/56

All: -444.103+/-205.738 χ^2/NDF: 98.4/110



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: 1800.952+/-0.291 χ^2/NDF: 122515.4/32

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

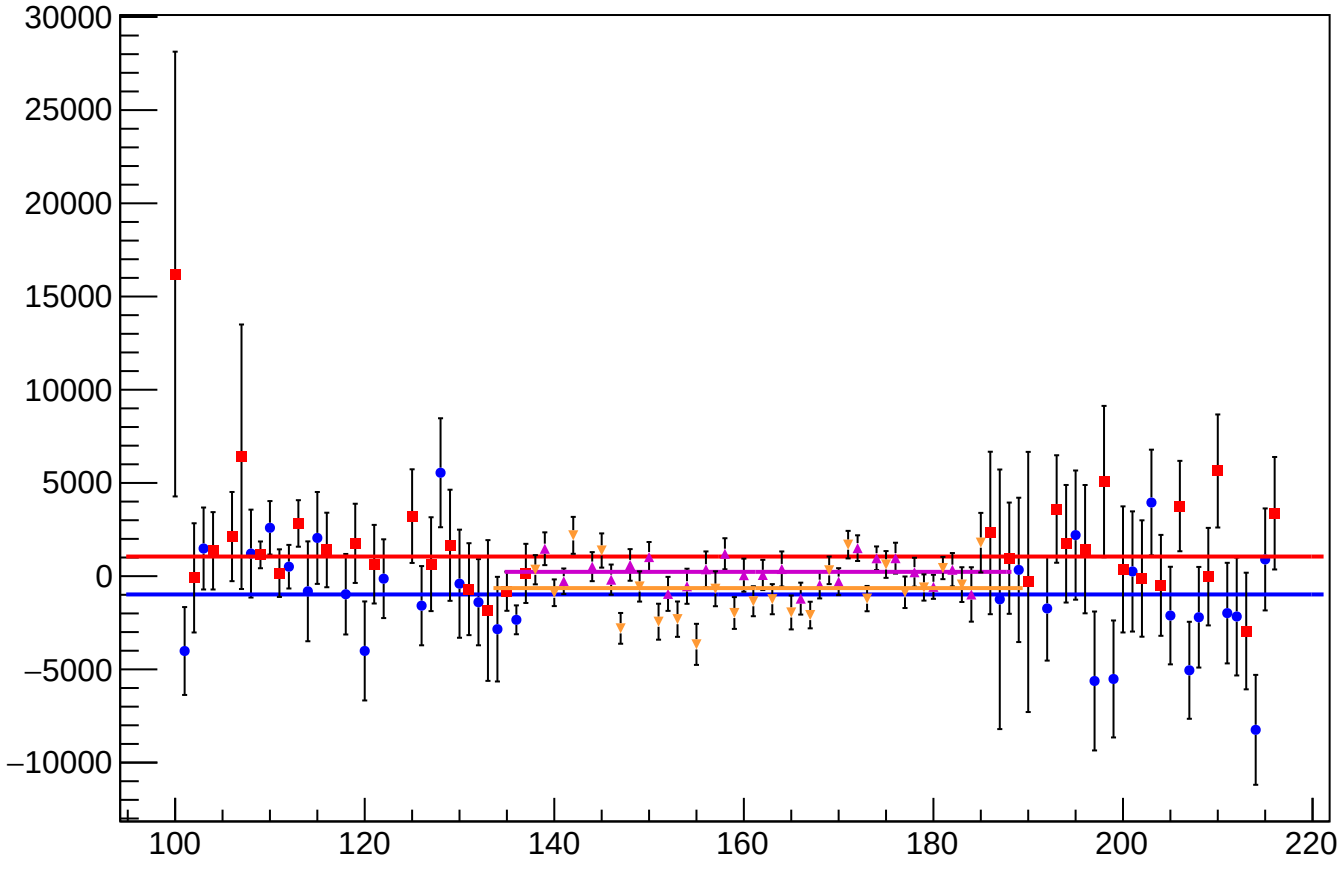
Right: 1797.937+/-0.205 χ^2/NDF: 432742.2/63

In: 1783.172+/-0.206 χ^2/NDF:329753.4/53

Out: 1784.498+/-0.205 χ^2/NDF:145254.0/56

All: 1783.837+/-0.145 χ^2/NDF: 475028.1/110

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: 1052.244+/-355.099 χ^2/NDF: 19.0/32

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

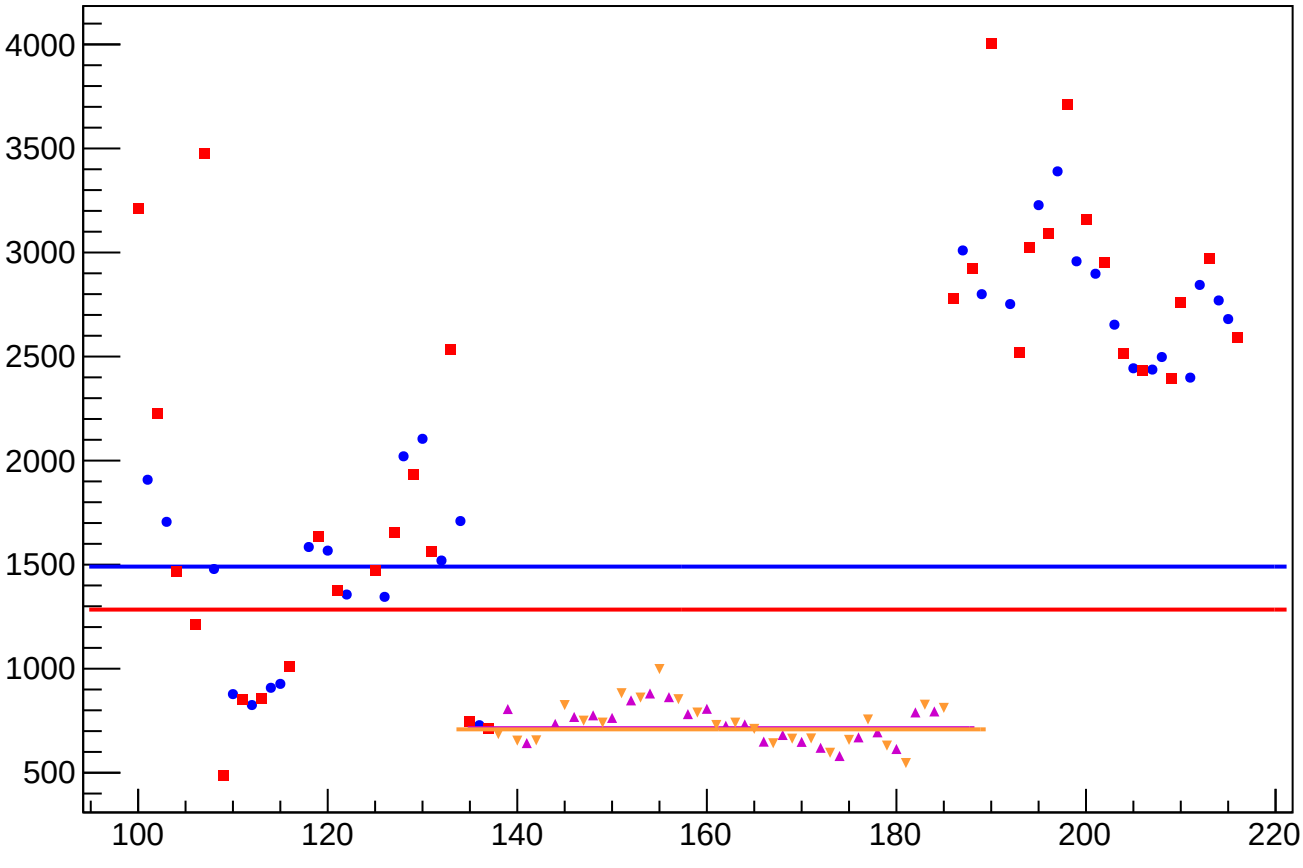
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 119.803+/-261.290 χ^2/NDF: 74.8/63

In: 36.851+/-154.280 χ^2/NDF:69.0/53

Out: -335.983+/-150.714 χ^2/NDF:104.4/56

All: -153.924+/-107.810 χ^2/NDF: 176.3/110


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
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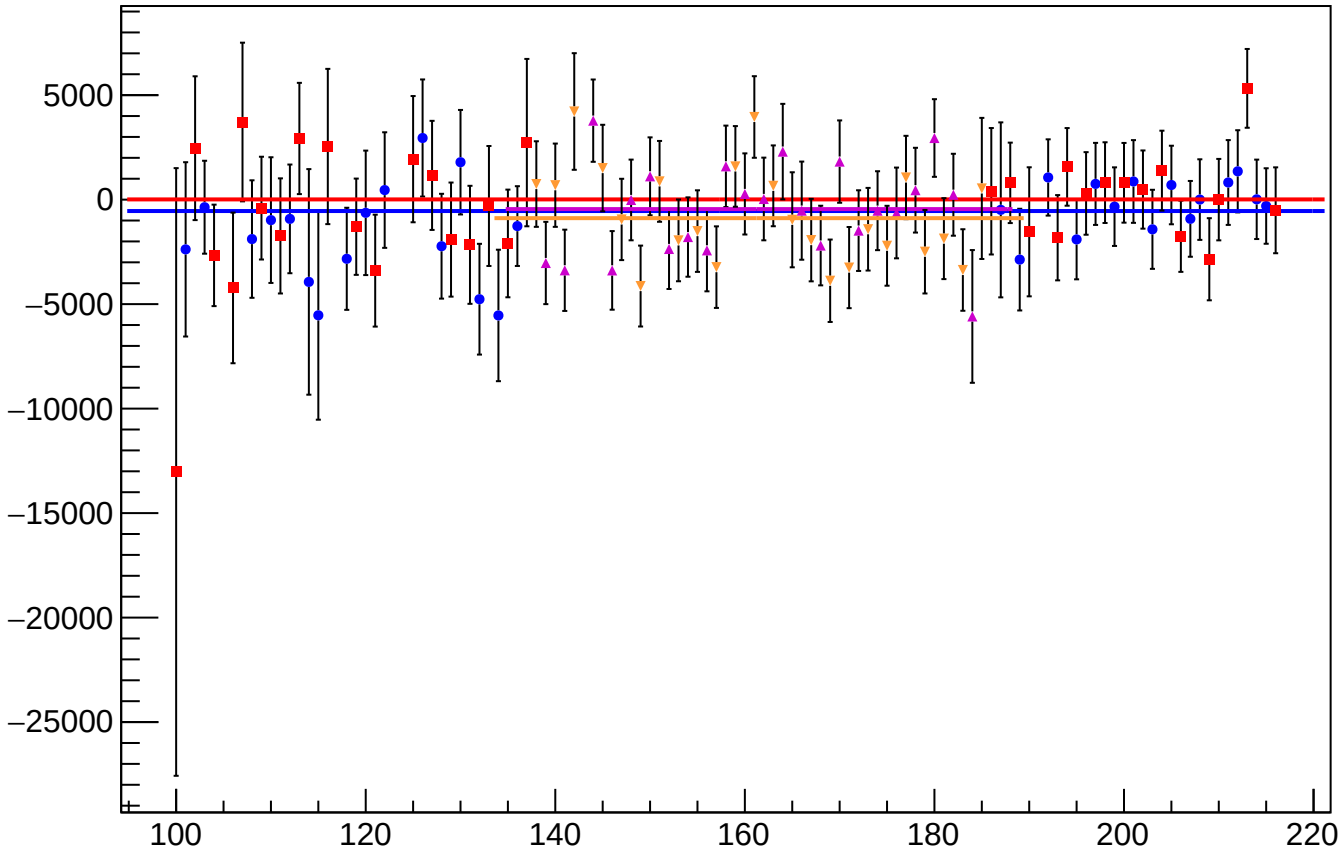
Right In: 1490.614+/-0.273 χ²/NDF: 8484109.6/30
Left Out: 708.508+/-0.118 χ²/NDF:700448.7/23
Right Out: 1284.031+/-0.251 χ²/NDF: 11901099.5/32
Left In: 714.168+/-0.119 χ²/NDF:497252.3/22
Left: 711.307+/-0.084 χ²/NDF: 1198844.2/46
Right: 1378.762+/-0.185 χ²/NDF: 20695604.7/63
In: 838.300+/-0.109 χ²/NDF:15785143.2/53
Out: 812.183+/-0.107 χ²/NDF:16908759.4/56
All: 824.936+/-0.076 χ²/NDF: 32723228.7/1



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: 10.751+/-413.353 χ^2/NDF: 25.8/32

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

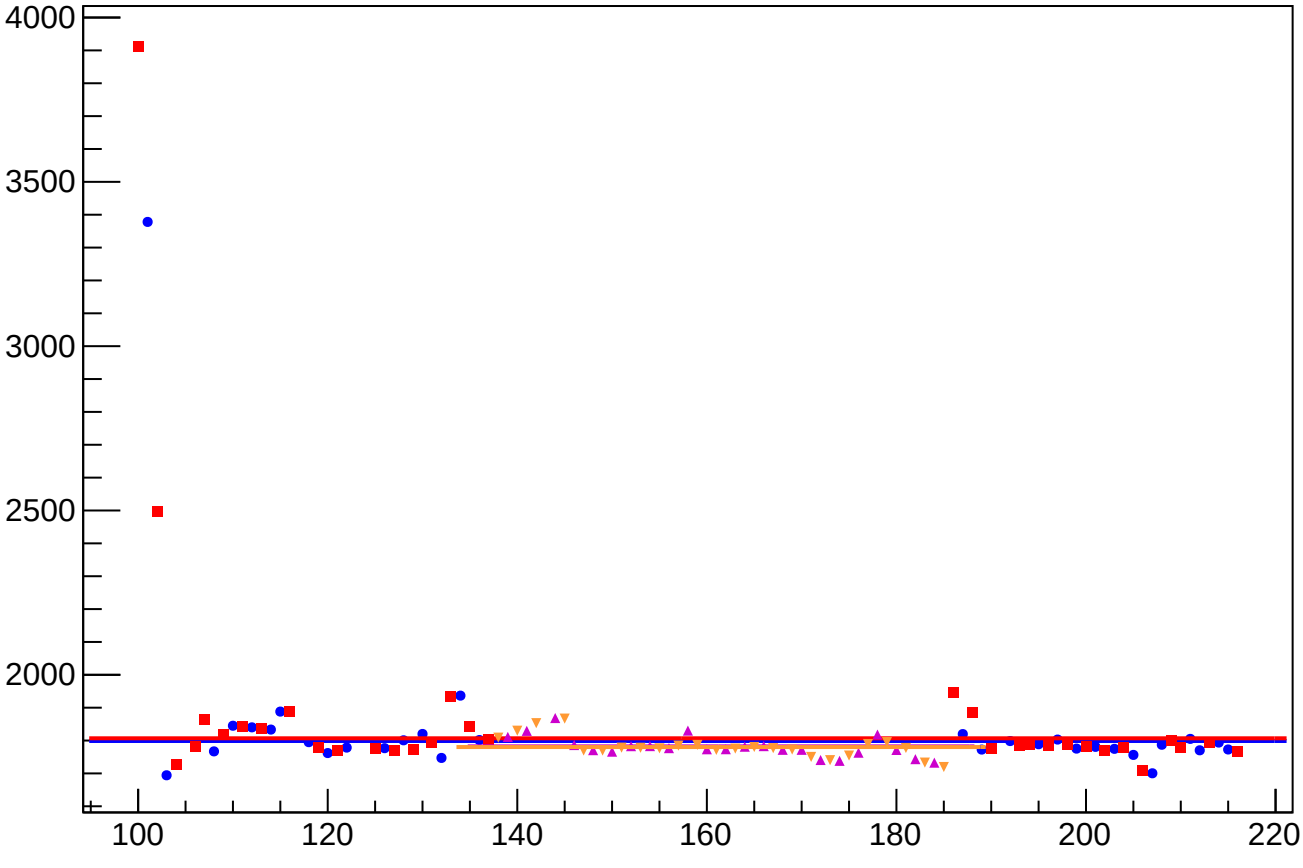
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -268.960+/-291.529 χ^2/NDF: 43.1/63

In: -500.073+/-292.523 χ^2/NDF:42.2/53

Out: -437.938+/-292.240 χ^2/NDF:56.3/56

All: -468.976+/-206.745 χ^2/NDF: 98.6/110



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: 1806.837+/-0.292 χ^2/NDF: 150542.0/32

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

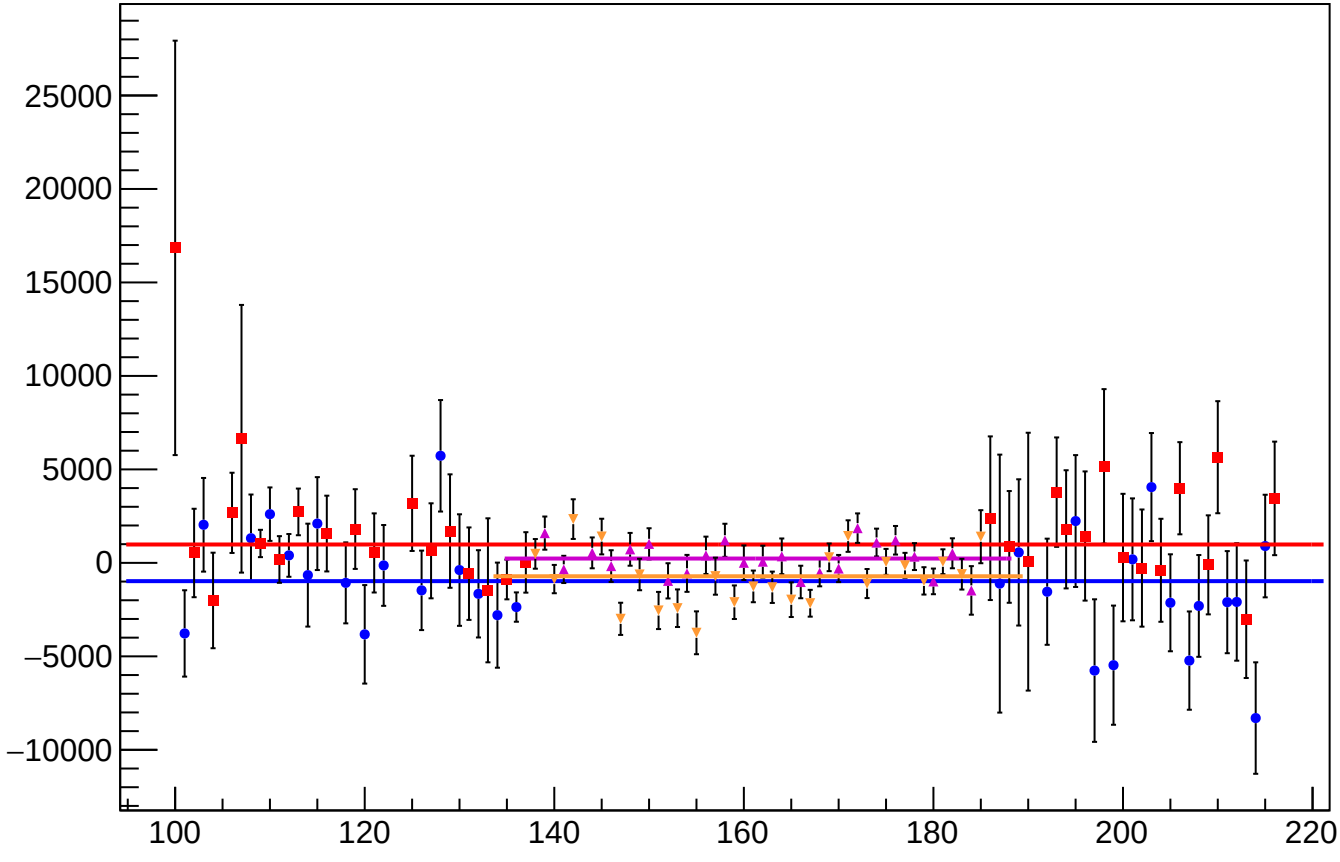
Right: 1802.737+/-0.206 χ^2/NDF: 458401.0/63

In: 1790.587+/-0.207 χ^2/NDF:320267.1/53

Out: 1793.525+/-0.207 χ^2/NDF:165069.8/56

All: 1792.057+/-0.146 χ^2/NDF: 485437.9/110

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: 983.053+/-357.345 χ^2/NDF: 21.4/32

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

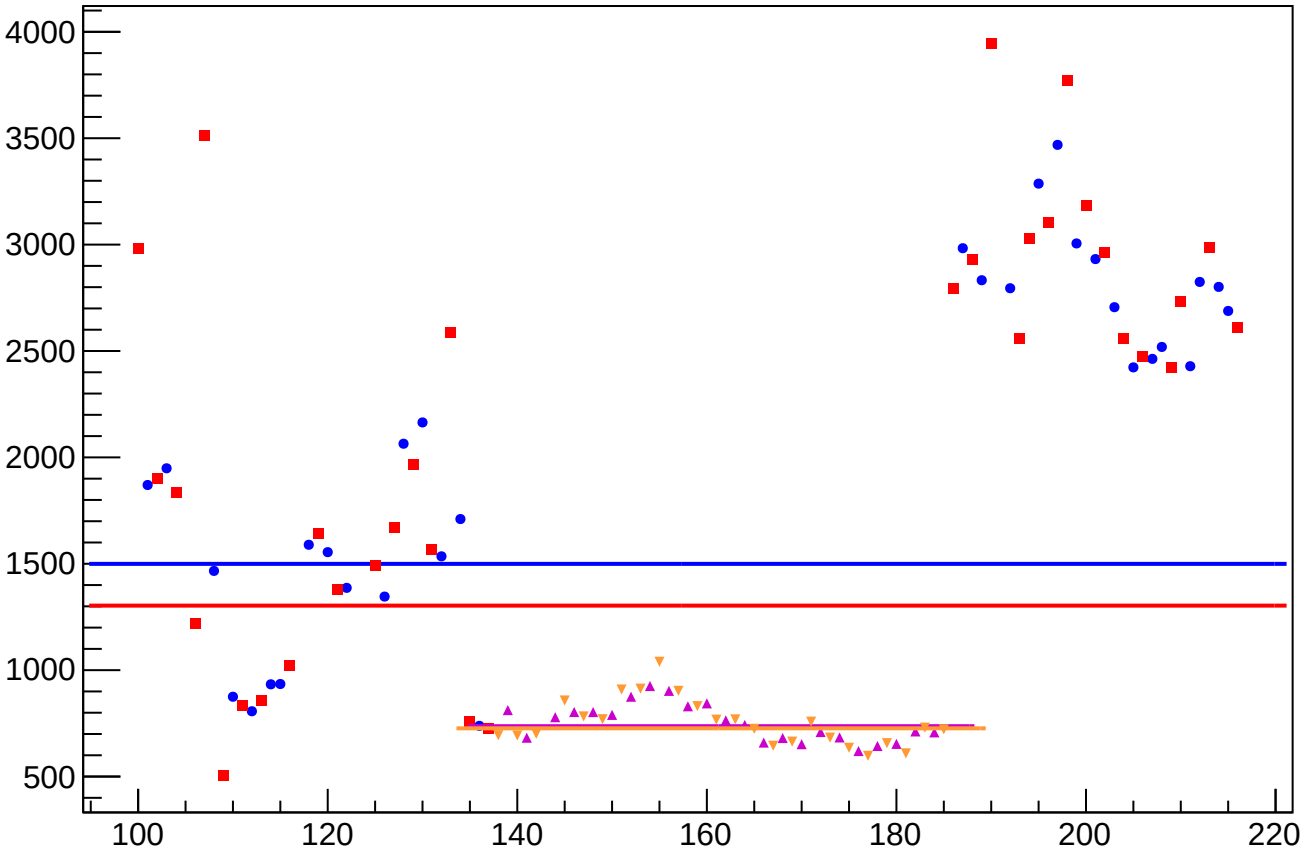
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 85.756+/-263.148 χ^2/NDF: 76.0/63

In: 30.867+/-158.402 χ^2/NDF:73.0/53

Out: -401.113+/-153.957 χ^2/NDF:99.2/56

All: -191.268+/-110.402 χ^2/NDF: 176.0/110


asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
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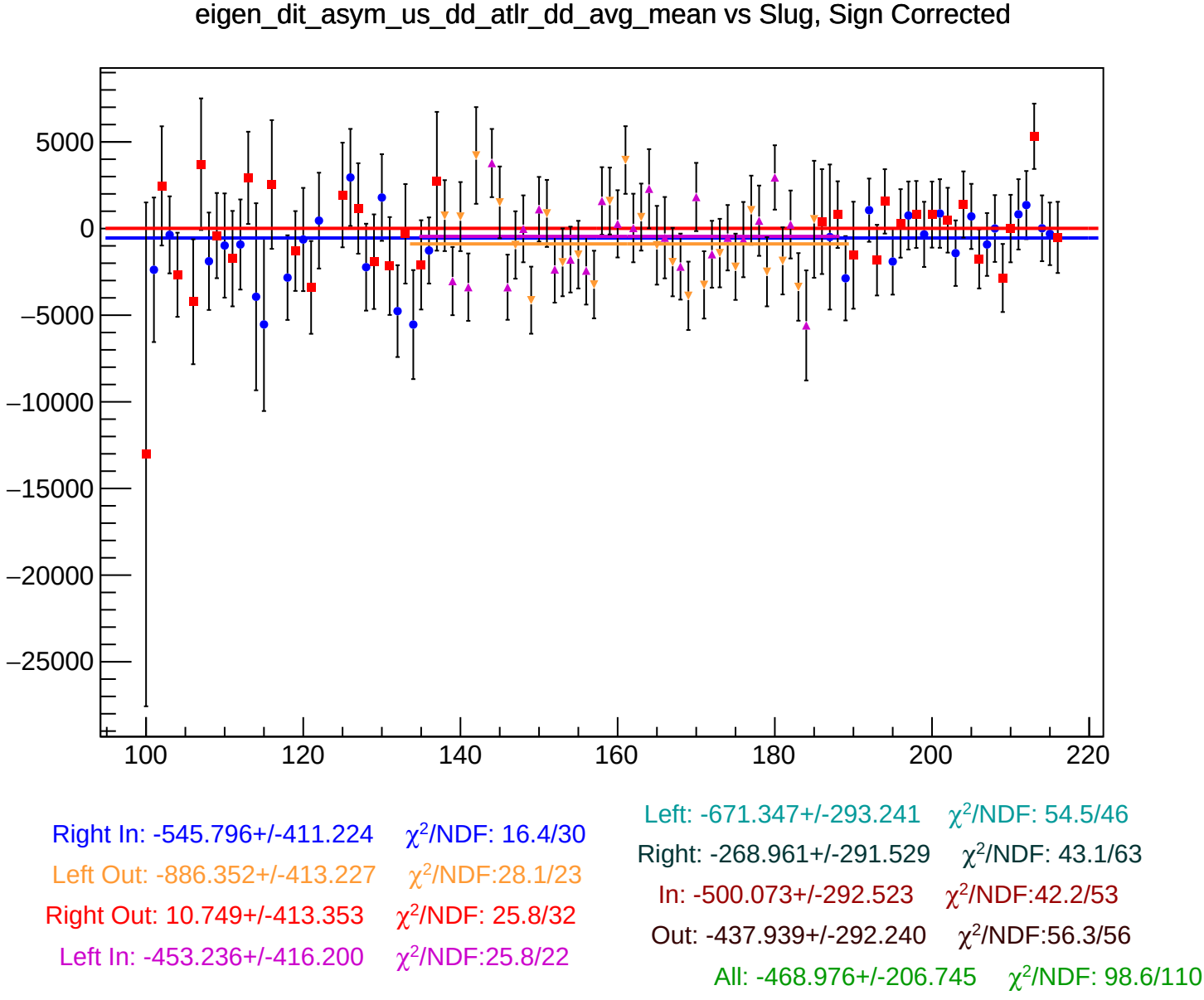
Right In: 1499.587+/-0.275 χ²/NDF: 8619770.8/30
Left Out: 726.604+/-0.121 χ²/NDF:684784.1/23
Right Out: 1303.378+/-0.253 χ²/NDF: 11779900.3/32
Left In: 736.709+/-0.123 χ²/NDF:465041.6/22
Left: 731.574+/-0.086 χ²/NDF: 1153276.2/46
Right: 1393.187+/-0.186 χ²/NDF: 20675660.8/63
In: 863.235+/-0.112 χ²/NDF:15502599.3/53
Out: 833.664+/-0.109 χ²/NDF:16707866.1/56
All: 848.029+/-0.078 χ²/NDF: 32246306.3/1


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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−20000
−25000
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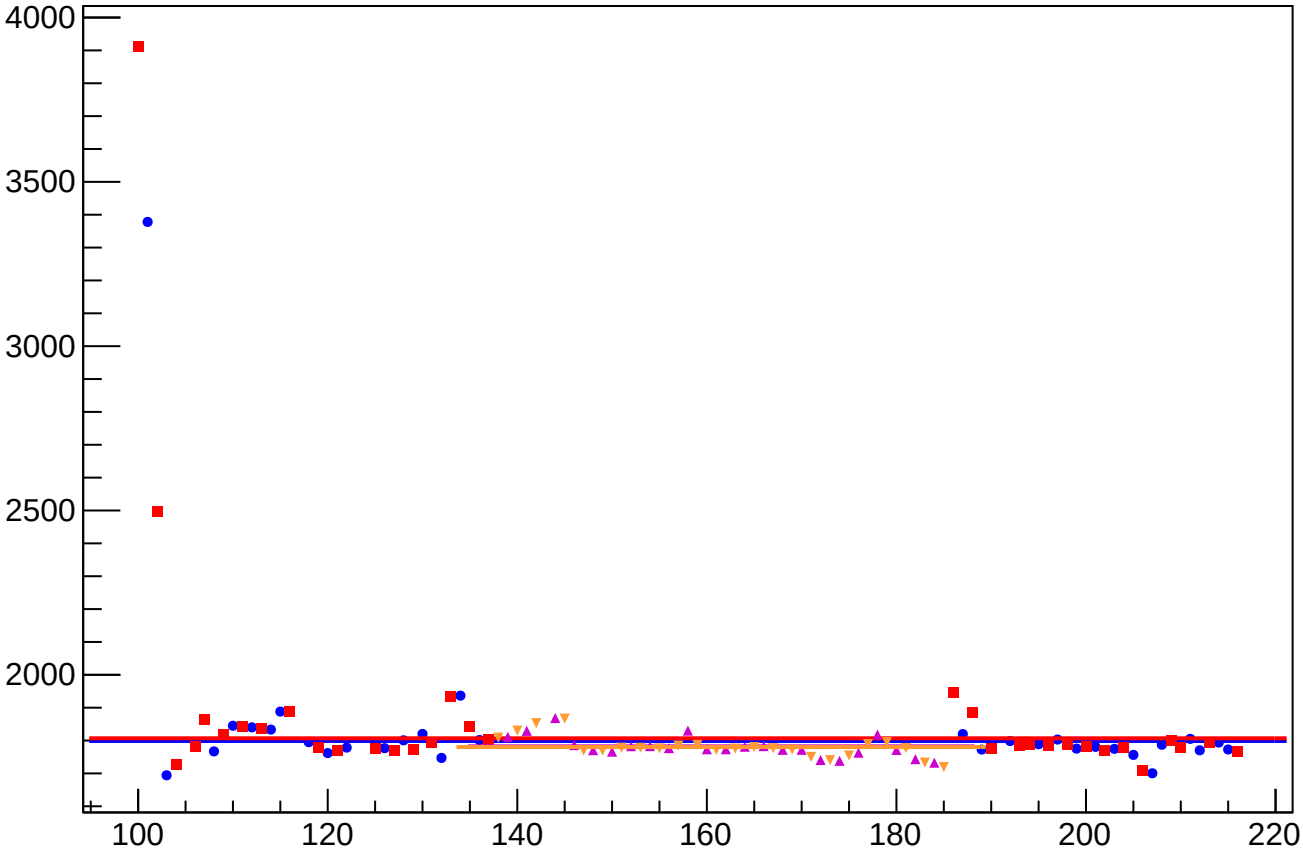
Right In: -545.796+/-411.224 χ²/NDF: 16.4/30
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: 10.749+/-413.353 χ²/NDF: 25.8/32
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -268.961+/-291.529 χ²/NDF: 43.1/63
In: -500.073+/-292.523 χ²/NDF:42.2/53
Out: -437.939+/-292.240 χ²/NDF:56.3/56
All: -468.976+/-206.745 χ²/NDF: 98.6/110



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Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1806.837+/-0.292 χ^2/NDF: 150542.0/32

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

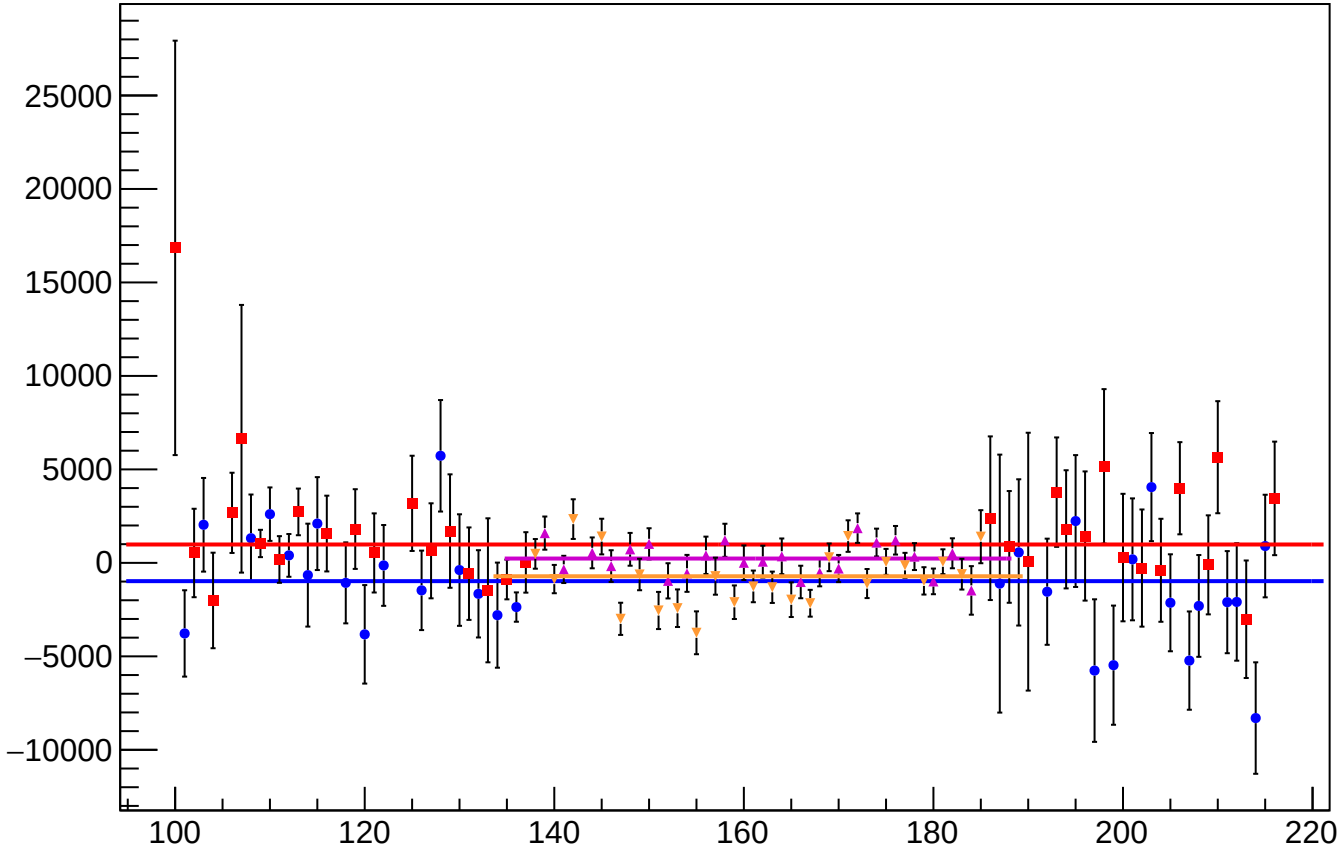
Right: 1802.737+/-0.206 χ^2/NDF: 458401.1/63

In: 1790.587+/-0.207 χ^2/NDF:320267.1/53

Out: 1793.525+/-0.207 χ^2/NDF:165069.9/56

All: 1792.057+/-0.146 χ^2/NDF: 485438.0/110

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: 983.058+/-357.346 χ^2/NDF: 21.4/32

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

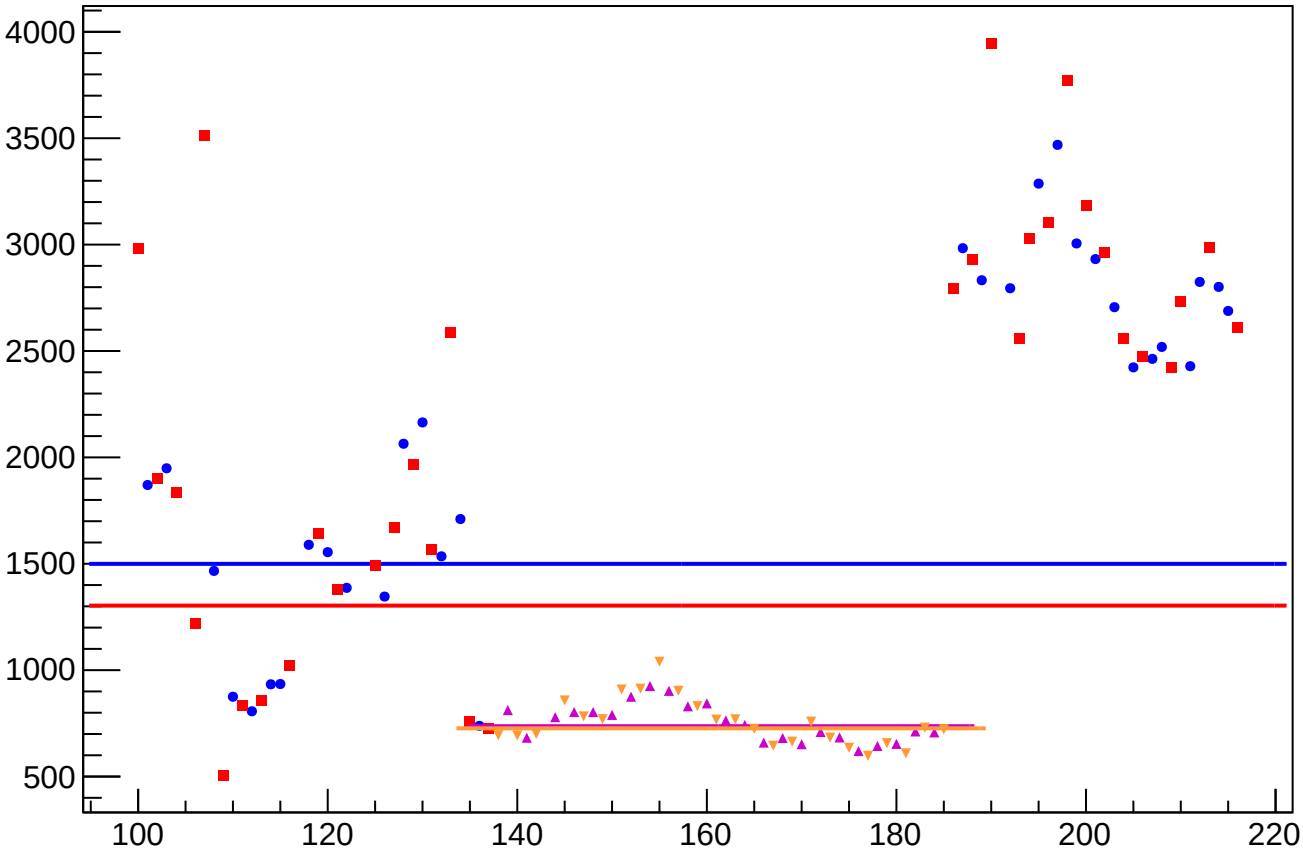
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

Right: 85.763+/-263.148 χ^2/NDF: 76.0/63

In: 30.868+/-158.402 χ^2/NDF:73.0/53

Out: -401.113+/-153.957 χ^2/NDF:99.2/56

All: -191.268+/-110.402 χ^2/NDF: 176.0/110


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
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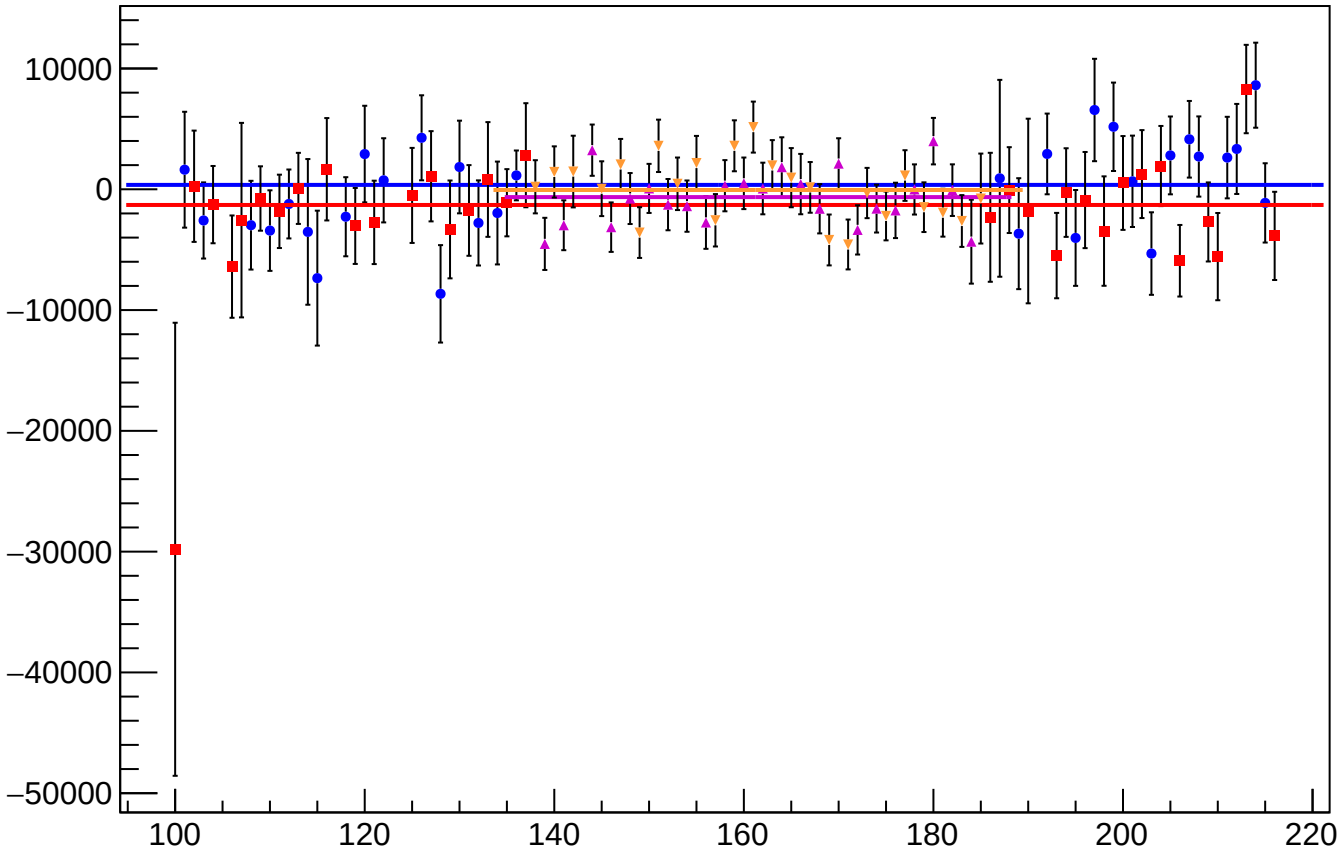
Right In: 1499.590+/-0.275 χ²/NDF: 8619713.3/30
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 1303.380+/-0.253 χ²/NDF: 11779859.9/32
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
Left: 731.574+/-0.086 χ²/NDF: 1153283.6/46
Right: 1393.190+/-0.186 χ²/NDF: 20675563.1/63
In: 863.234+/-0.112 χ²/NDF:15502602.3/53
Out: 833.665+/-0.109 χ²/NDF:16707848.1/56
All: 848.029+/-0.078 χ²/NDF: 32246289.2/1



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: -1298.090+/-647.701 χ^2/NDF: 21.9/32

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

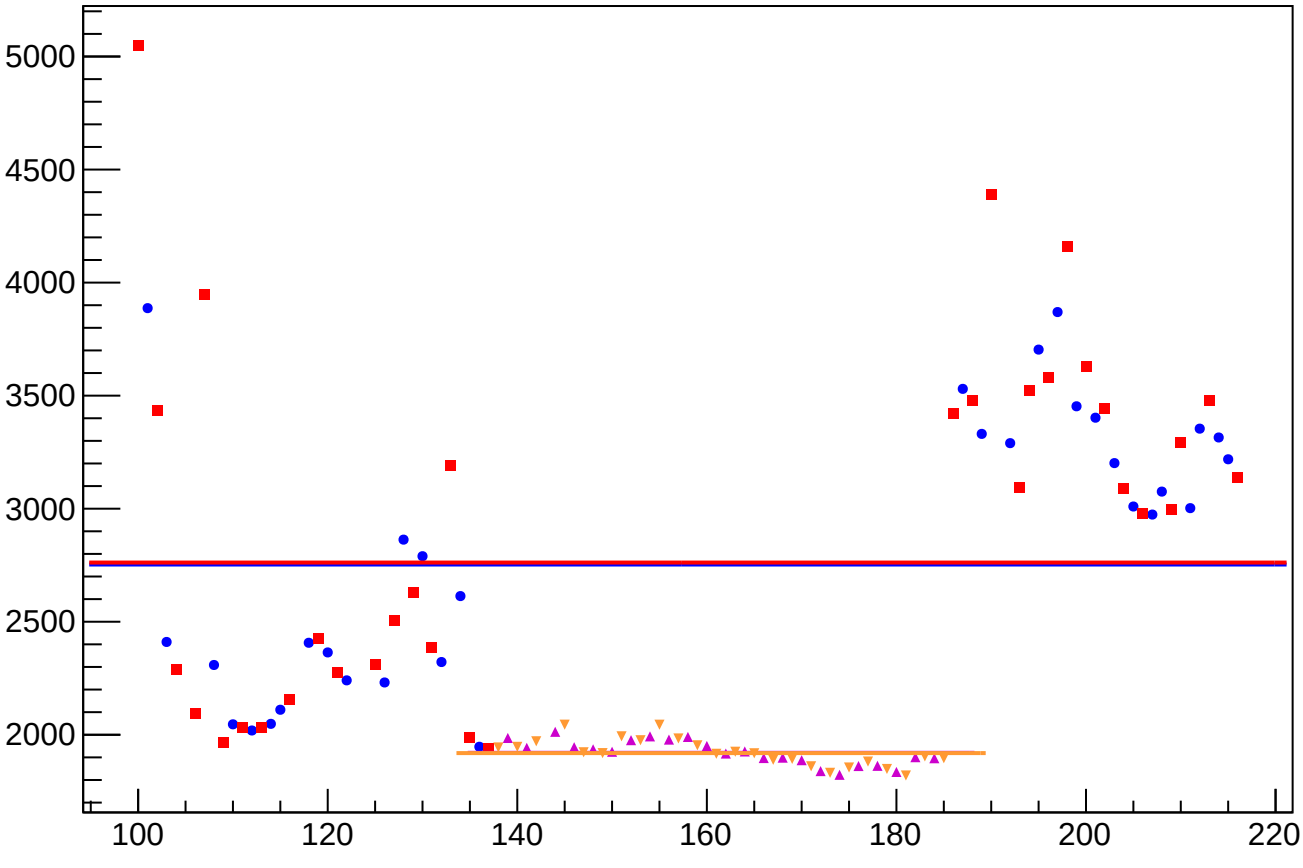
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -459.236+/-455.759 χ^2/NDF: 58.1/63

In: -315.103+/-367.581 χ^2/NDF:58.2/53

Out: -457.464+/-367.113 χ^2/NDF:57.4/56

All: -386.374+/-259.753 χ^2/NDF: 115.7/110



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: 2761.747+/-0.458 χ^2/NDF: 1965512.8/32

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

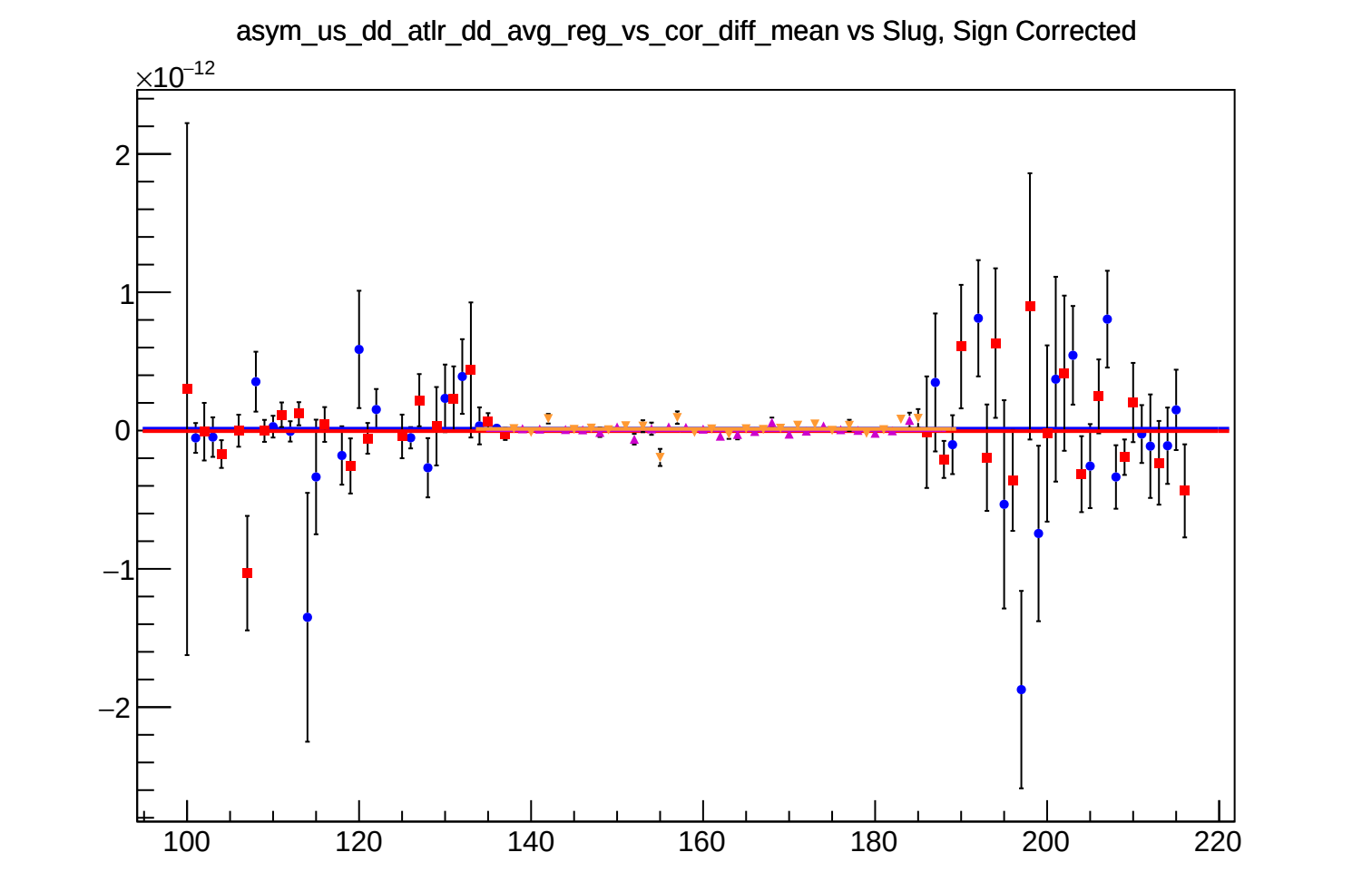
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2757.364+/-0.322 χ^2/NDF: 3590888.7/63

In: 2193.728+/-0.260 χ^2/NDF:3919637.5/53

Out: 2189.722+/-0.260 χ^2/NDF:4299405.3/56

All: 2191.723+/-0.184 χ^2/NDF: 8219161.7/11



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: 35.1/32

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

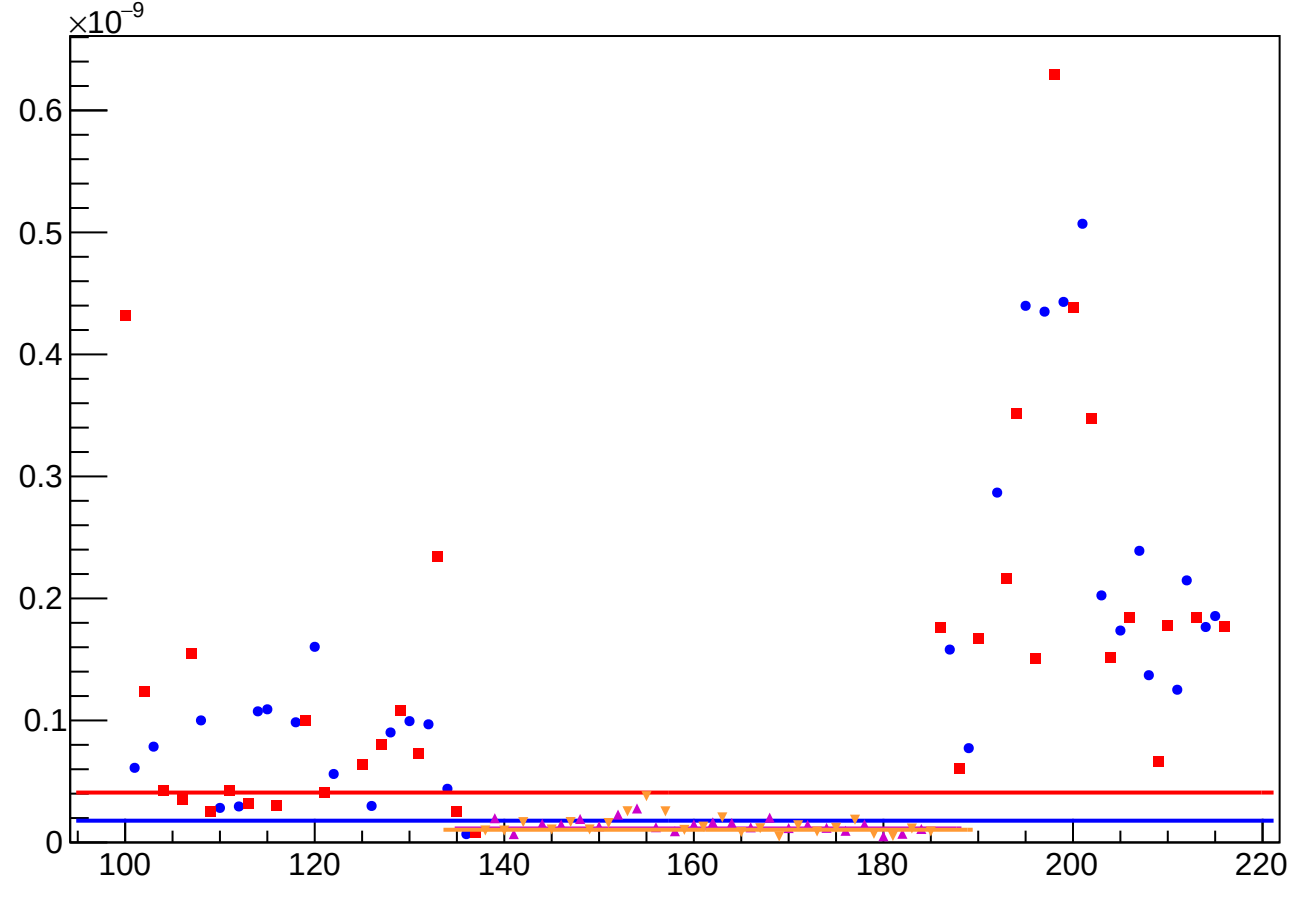
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 75.1/63

In: 0.000+/-0.000 χ^2/NDF:59.6/53

Out: 0.000+/-0.000 χ^2/NDF:73.7/56

All: 0.000+/-0.000 χ^2/NDF: 134.4/110



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: 8742061.7/32

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

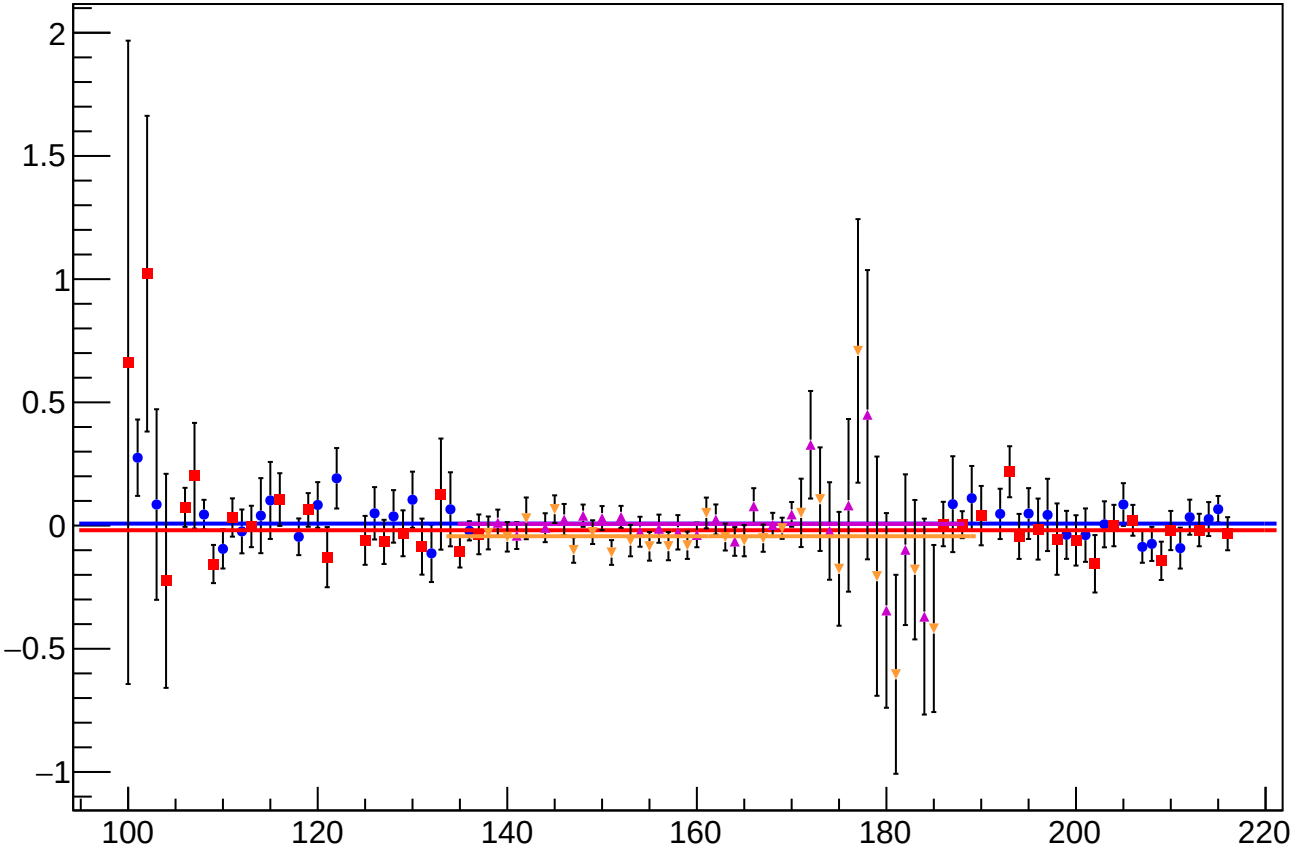
Right: 0.000+/-0.000 χ^2/NDF: 22874279.6/63

In: 0.000+/-0.000 χ^2/NDF:14900711.5/53

Out: 0.000+/-0.000 χ^2/NDF:14261418.6/56

All: 0.000+/-0.000 χ^2/NDF: 29175417.2/110

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: -0.019+/-0.016 χ^2/NDF: 26.5/32

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

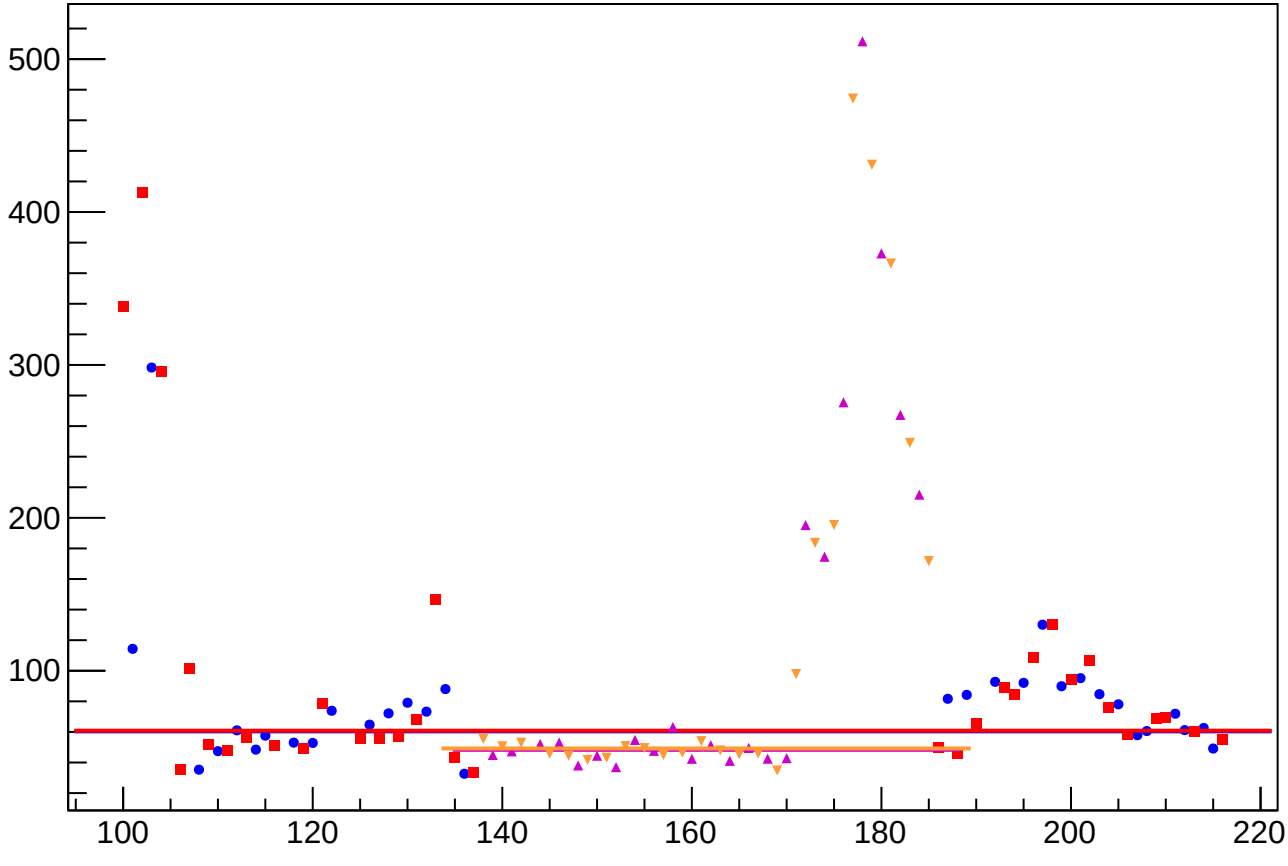
Right: -0.005+/-0.011 χ^2/NDF: 48.4/63

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.033+/-0.010 χ^2/NDF:46.7/56

All: -0.012+/-0.007 χ^2/NDF: 85.9/110

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: 60.807+/-0.011 χ^2/NDF: 4335284.6/32

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

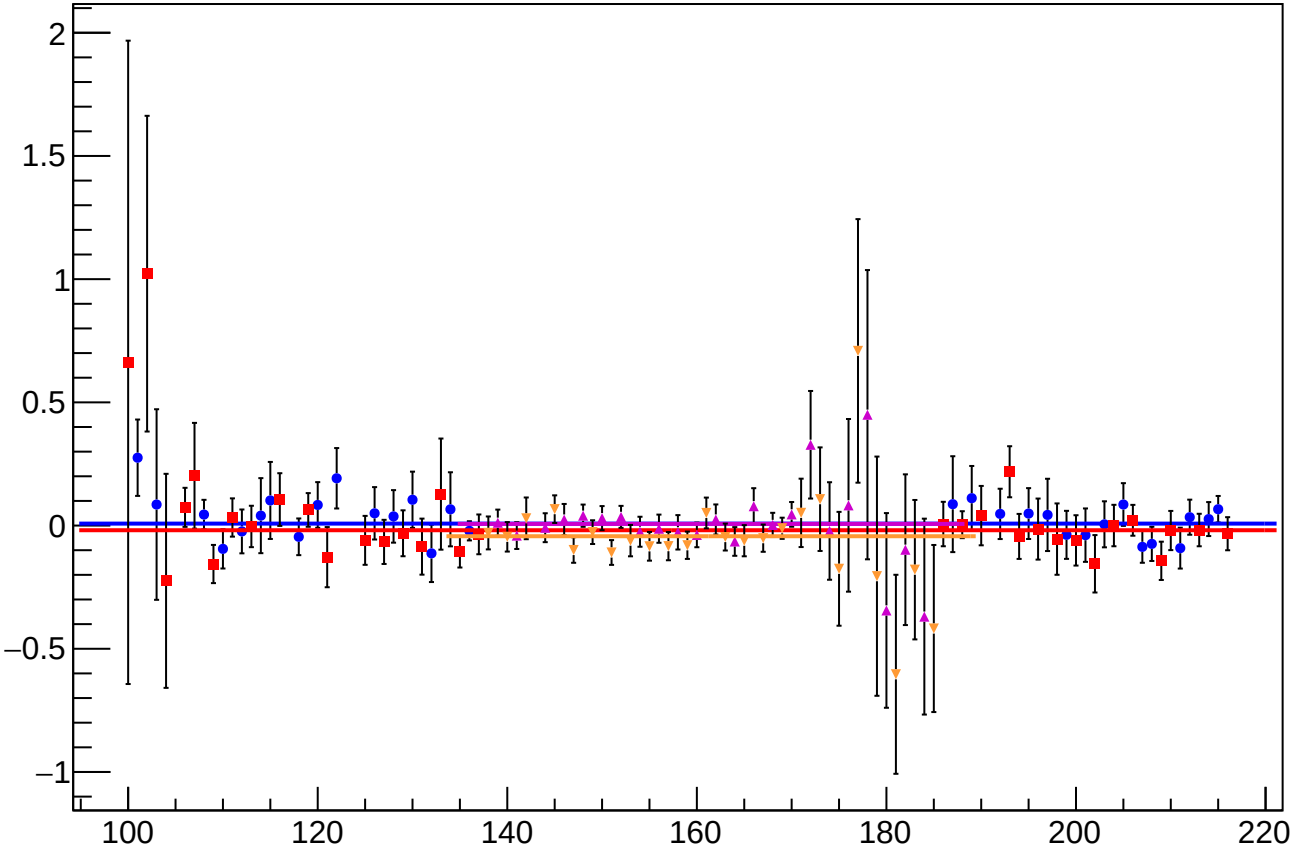
Right: 60.589+/-0.008 χ^2/NDF: 8671185.9/63

In: 53.548+/-0.007 χ^2/NDF:12067680.0/53

Out: 54.298+/-0.007 χ^2/NDF:12200938.0/56

All: 53.915+/-0.005 χ^2/NDF: 24273944.5/110

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: -0.019+/-0.016 χ^2/NDF: 26.5/32

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

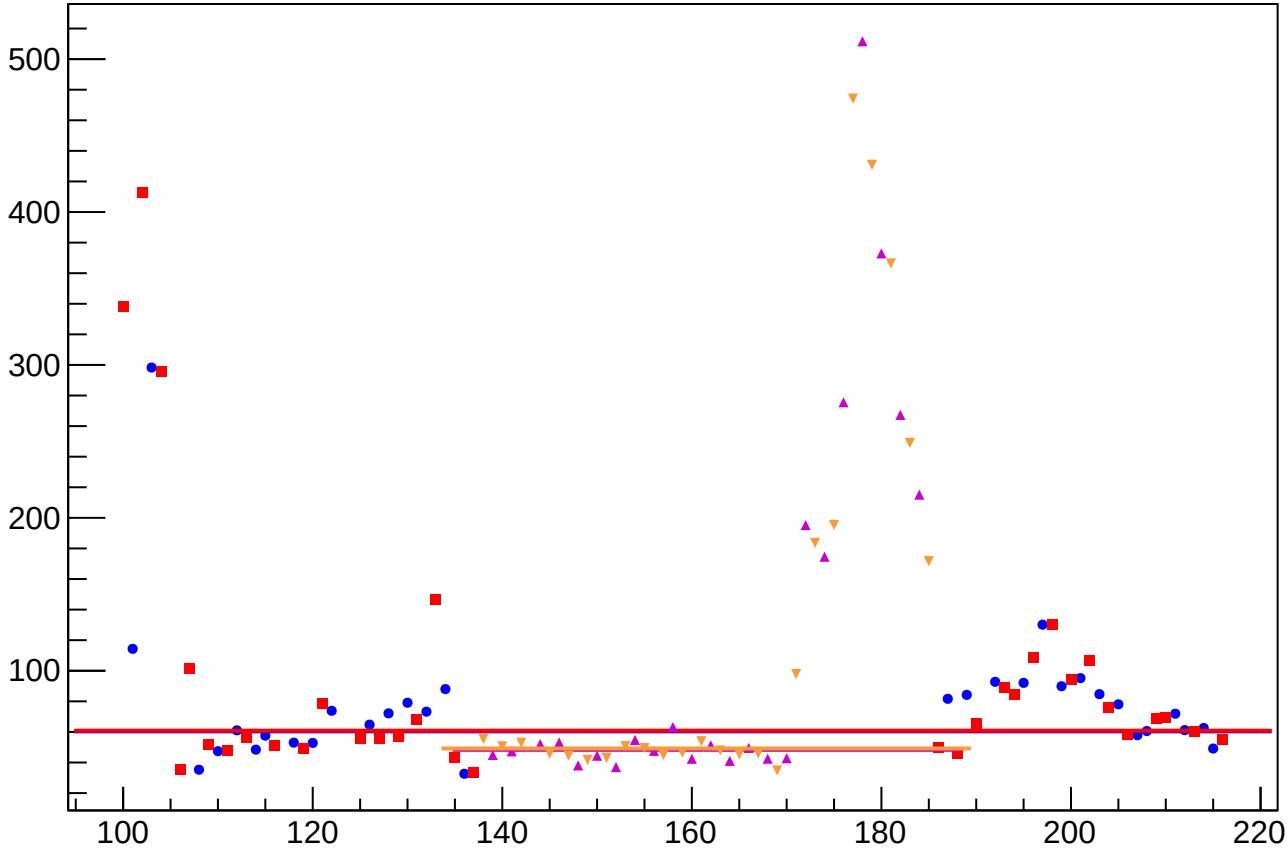
Right: -0.005+/-0.011 χ^2/NDF: 48.4/63

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.033+/-0.010 χ^2/NDF:46.7/56

All: -0.012+/-0.007 χ^2/NDF: 85.9/110

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: 60.807+/-0.011 χ^2/NDF: 4335284.6/32

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

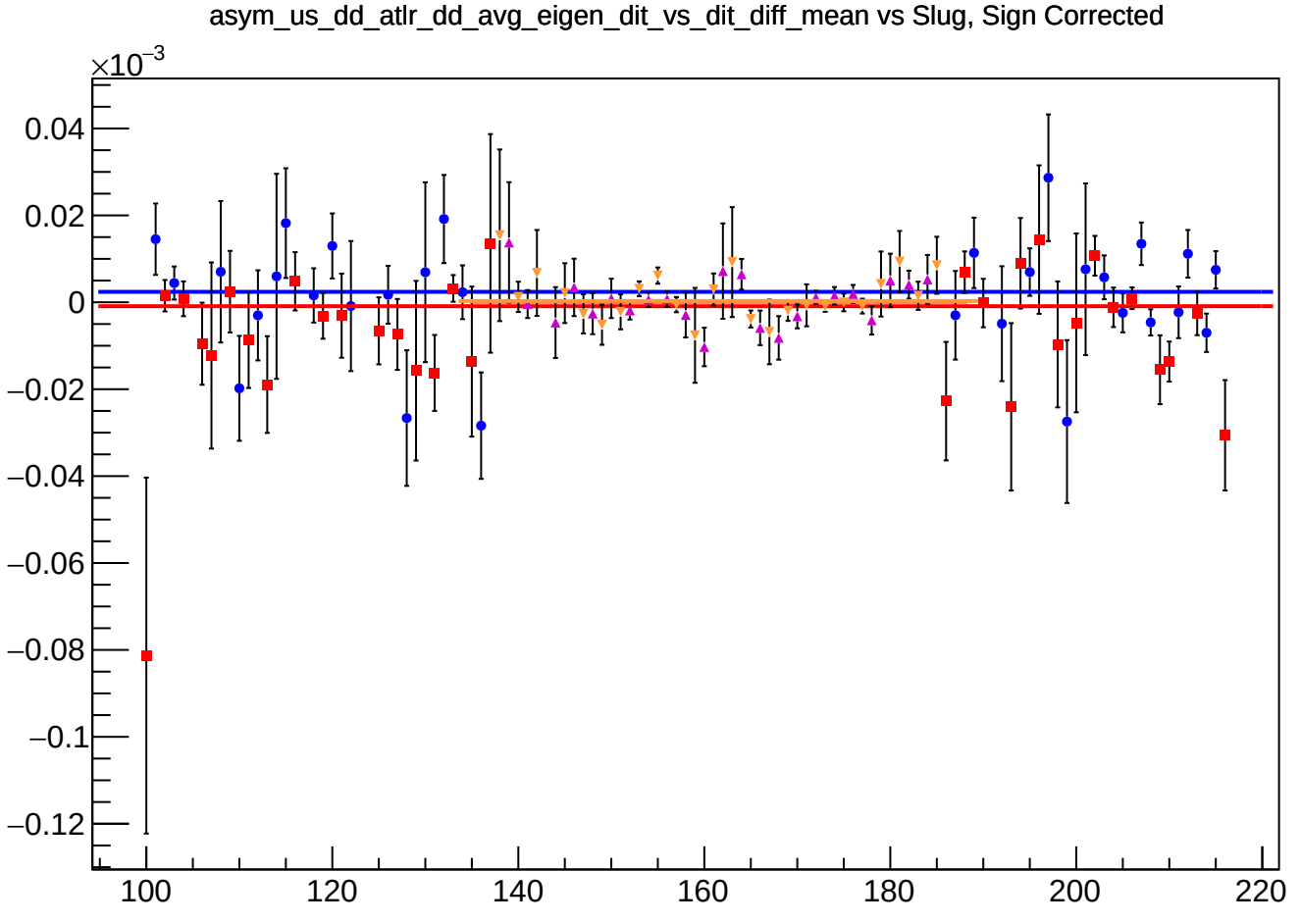
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.589+/-0.008 χ^2/NDF: 8671185.9/63

In: 53.548+/-0.007 χ^2/NDF:12067680.0/53

Out: 54.298+/-0.007 χ^2/NDF:12200938.0/56

All: 53.915+/-0.005 χ^2/NDF: 24273944.5/110



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: 49.7/32

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

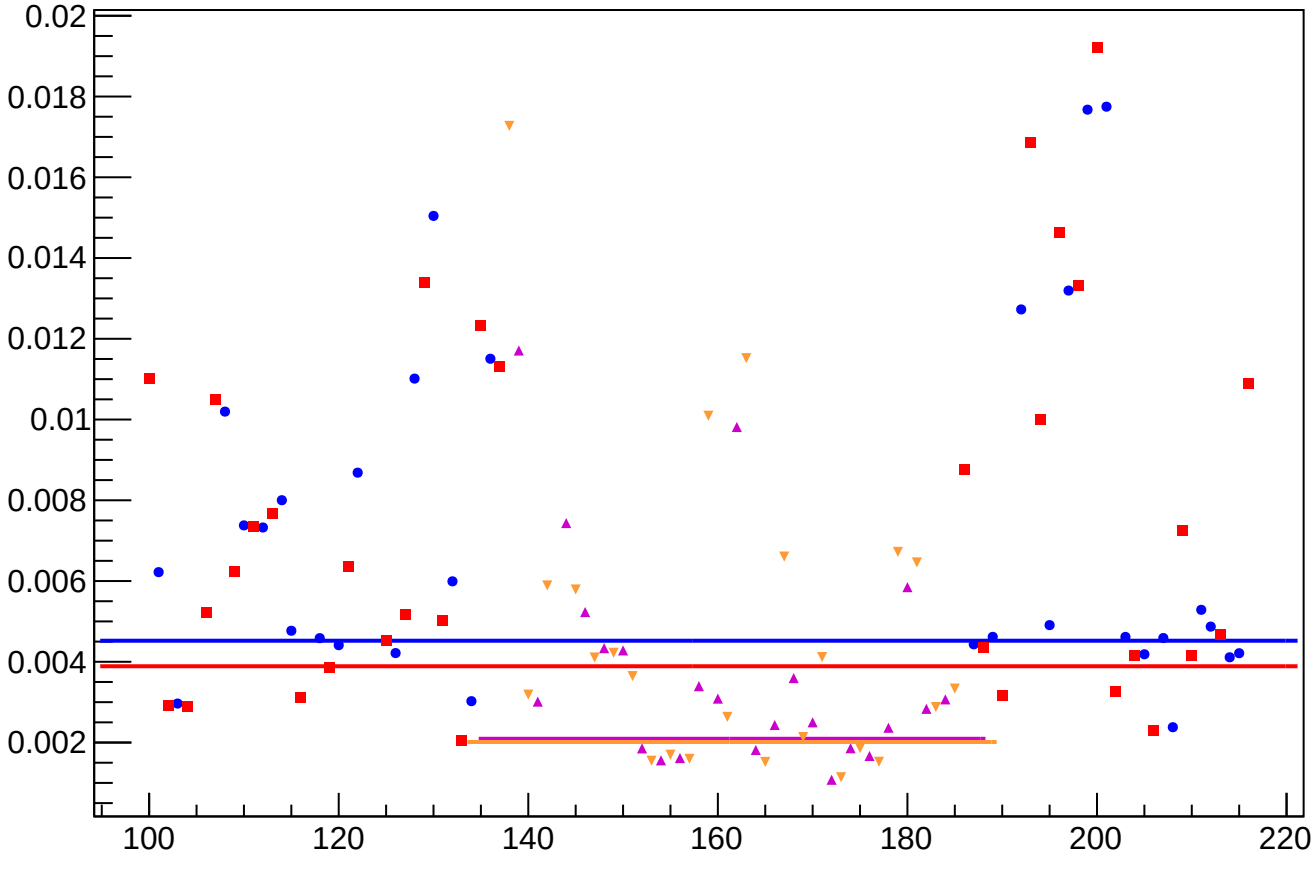
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 106.1/63

In: 0.000+/-0.000 χ^2/NDF:80.2/53

Out: 0.000+/-0.000 χ^2/NDF:79.5/56

All: 0.000+/-0.000 χ^2/NDF: 160.3/110



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: 9693050.2/32

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

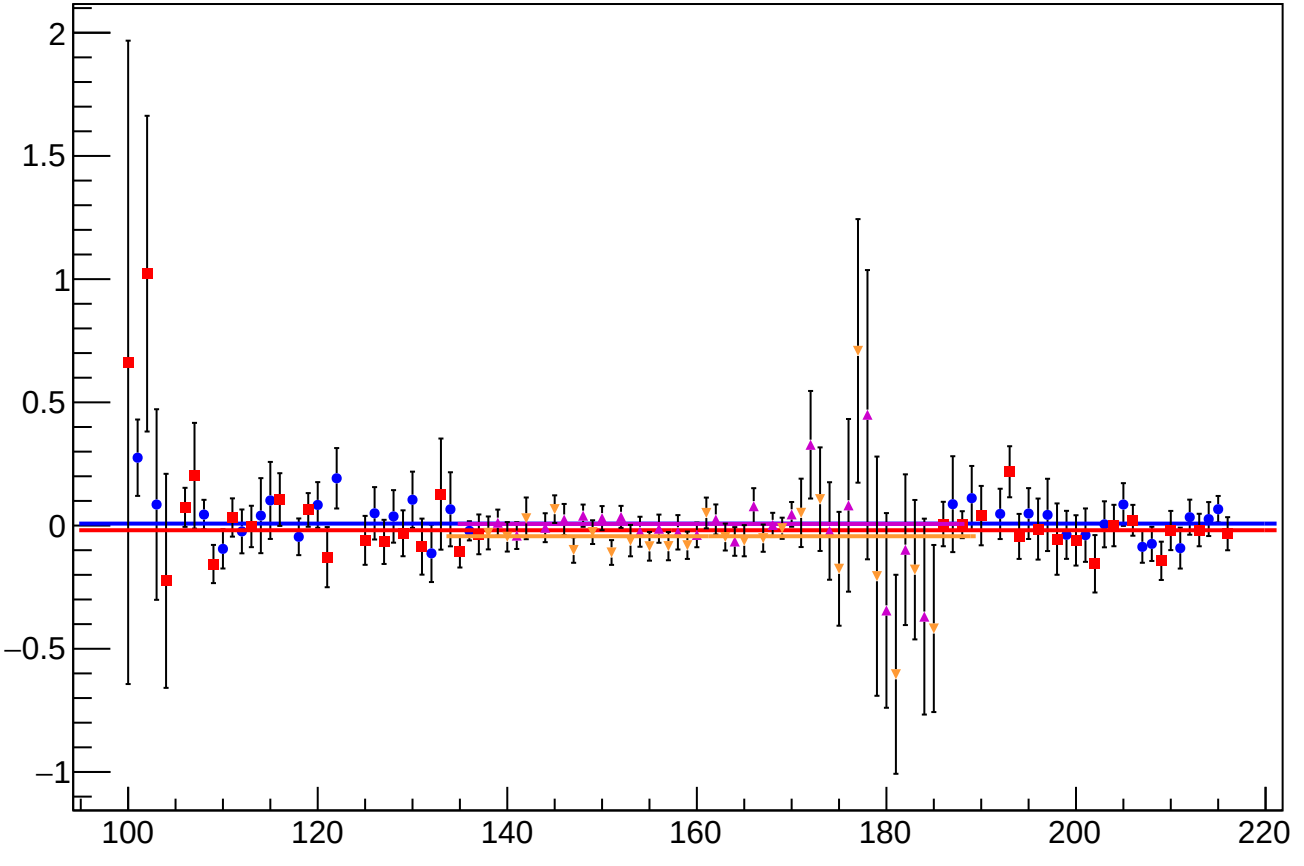
Right: 0.004+/-0.000 χ^2/NDF: 17265383.1/63

In: 0.003+/-0.000 χ^2/NDF:21056836.1/53

Out: 0.002+/-0.000 χ^2/NDF:24782457.2/56

All: 0.003+/-0.000 χ^2/NDF: 45949930.0/110

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.015 χ^2/NDF: 20.5/30

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.019+/-0.016 χ^2/NDF: 26.5/32

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

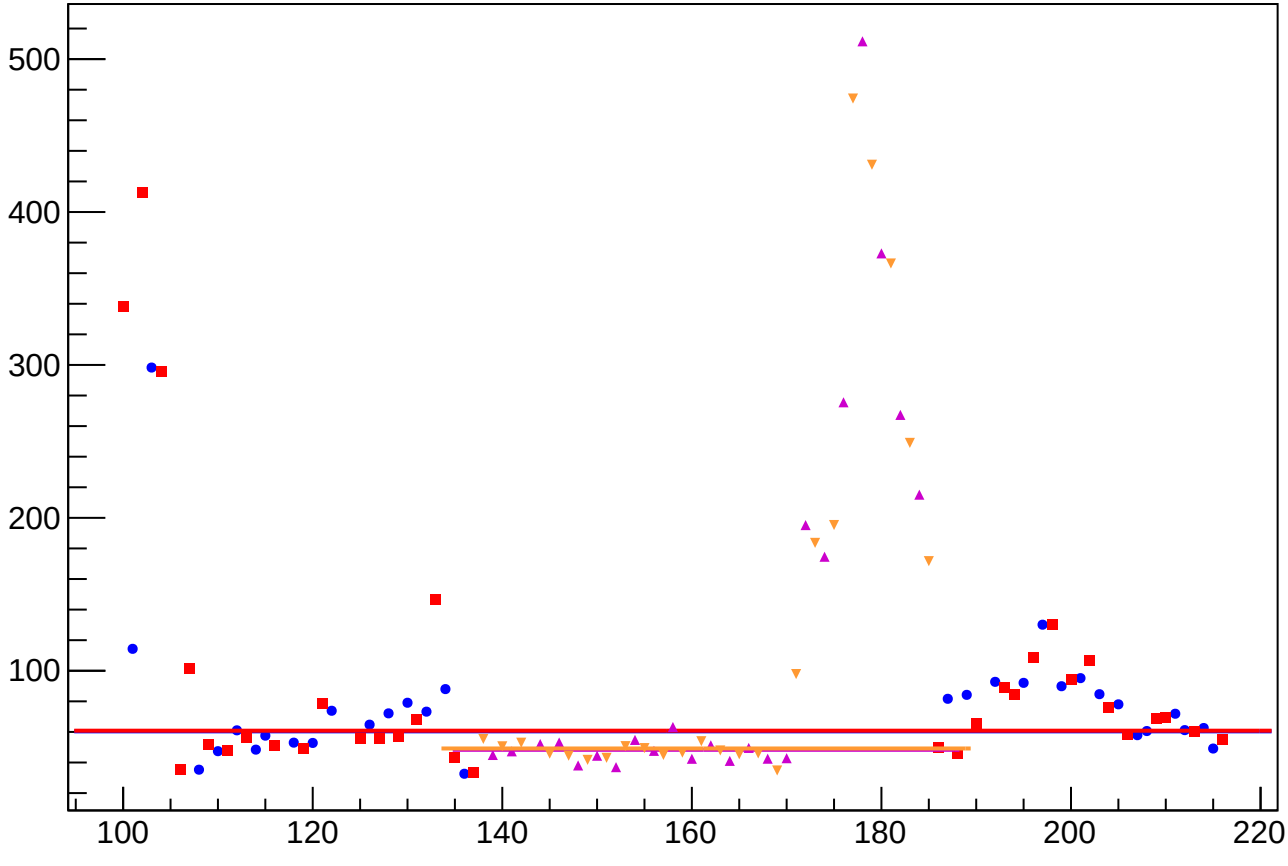
Right: -0.005+/-0.011 χ^2/NDF: 48.4/63

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.033+/-0.010 χ^2/NDF:46.7/56

All: -0.012+/-0.007 χ^2/NDF: 85.9/110

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: 60.808+/-0.011 χ^2/NDF: 4335136.9/32

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

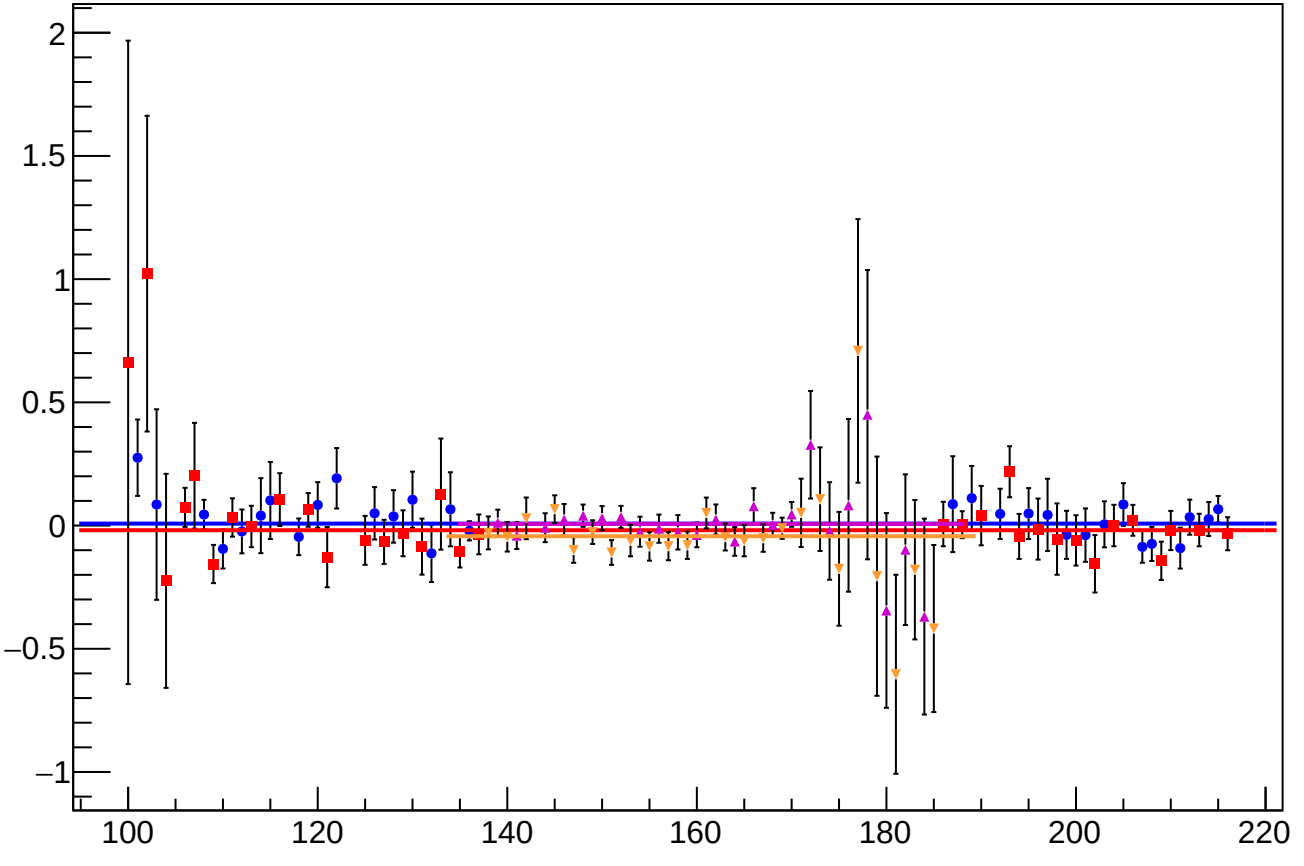
Right: 60.589+/-0.008 χ^2/NDF: 8670868.4/63

In: 53.548+/-0.007 χ^2/NDF:12067429.9/53

Out: 54.298+/-0.007 χ^2/NDF:12200898.5/56

All: 53.915+/-0.005 χ^2/NDF: 24273650.9/110

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: -0.019+/-0.016 χ^2/NDF: 26.5/32

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

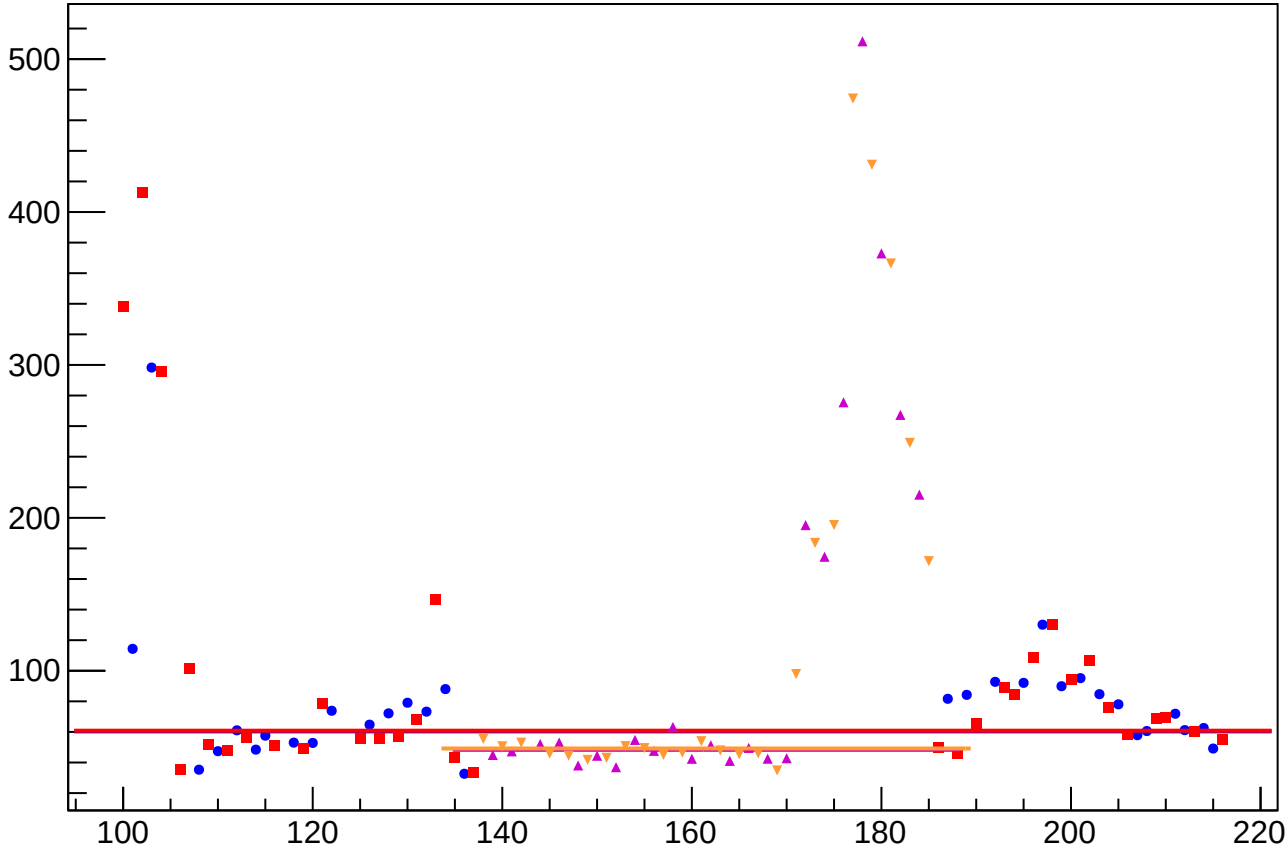
Right: -0.005+/-0.011 χ^2/NDF: 48.4/63

In: 0.007+/-0.010 χ^2/NDF:31.8/53

Out: -0.033+/-0.010 χ^2/NDF:46.7/56

All: -0.012+/-0.007 χ^2/NDF: 85.9/110

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: 60.808+/-0.011 χ^2/NDF: 4335136.9/32

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

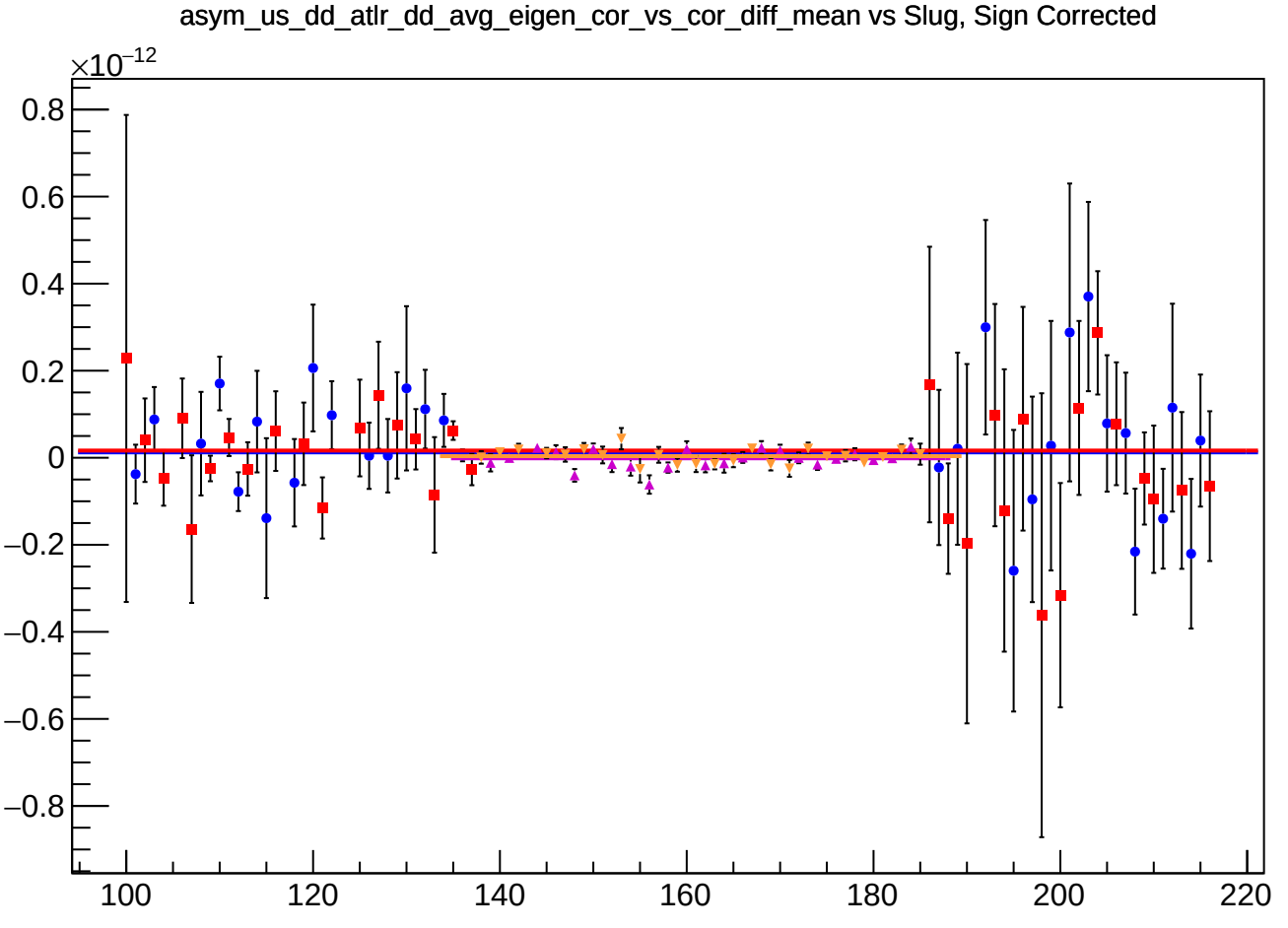
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 60.589+/-0.008 χ^2/NDF: 8670868.4/63

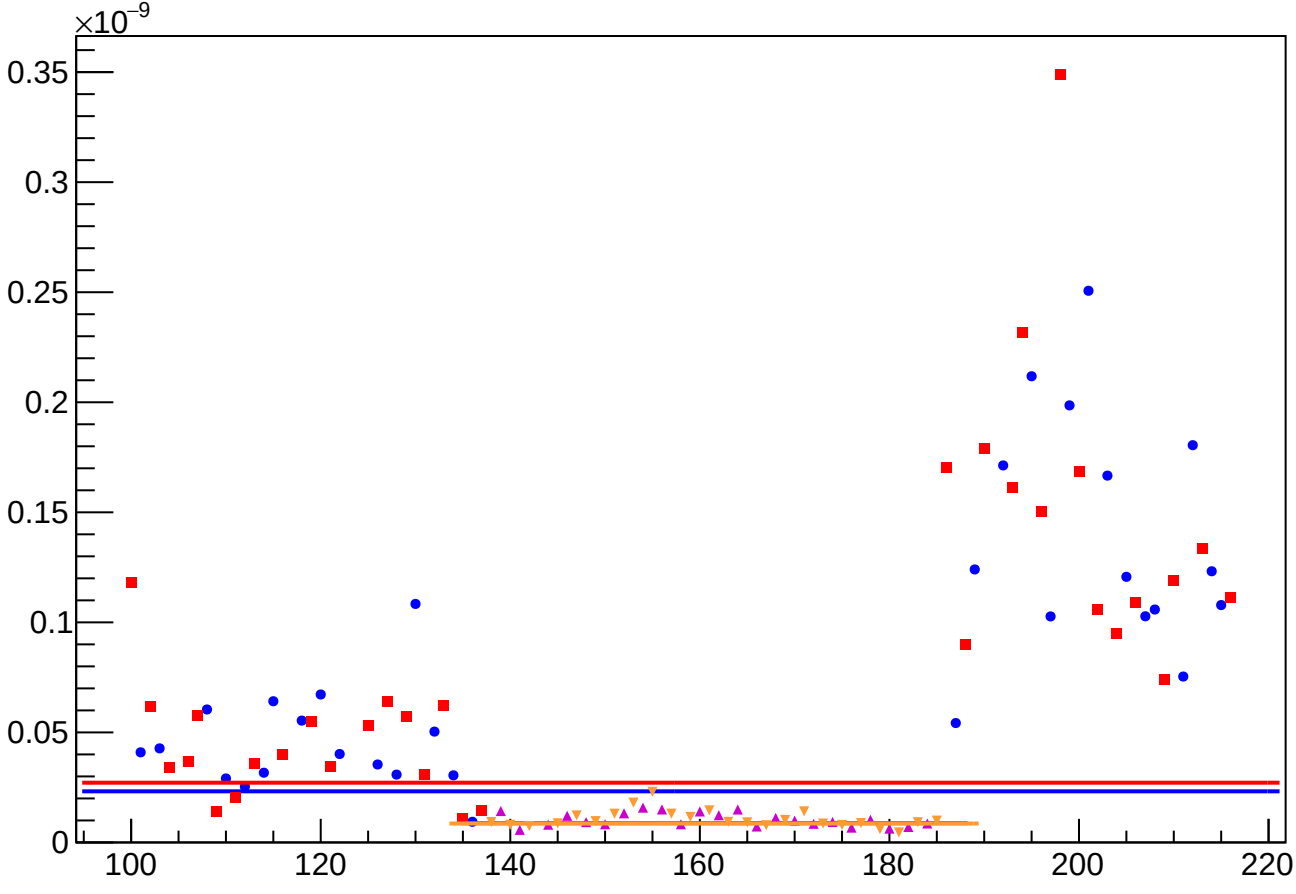
In: 53.548+/-0.007 χ^2/NDF:12067429.9/53

Out: 54.298+/-0.007 χ^2/NDF:12200898.5/56

All: 53.915+/-0.005 χ^2/NDF: 24273650.9/110


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: 28.0/32
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: 60.7/63
In: -0.000+/-0.000 χ²/NDF:74.1/53
Out: 0.000+/-0.000 χ²/NDF:53.6/56
All: 0.000+/-0.000 χ²/NDF: 129.4/110

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 13114281.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11051947.6/32

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

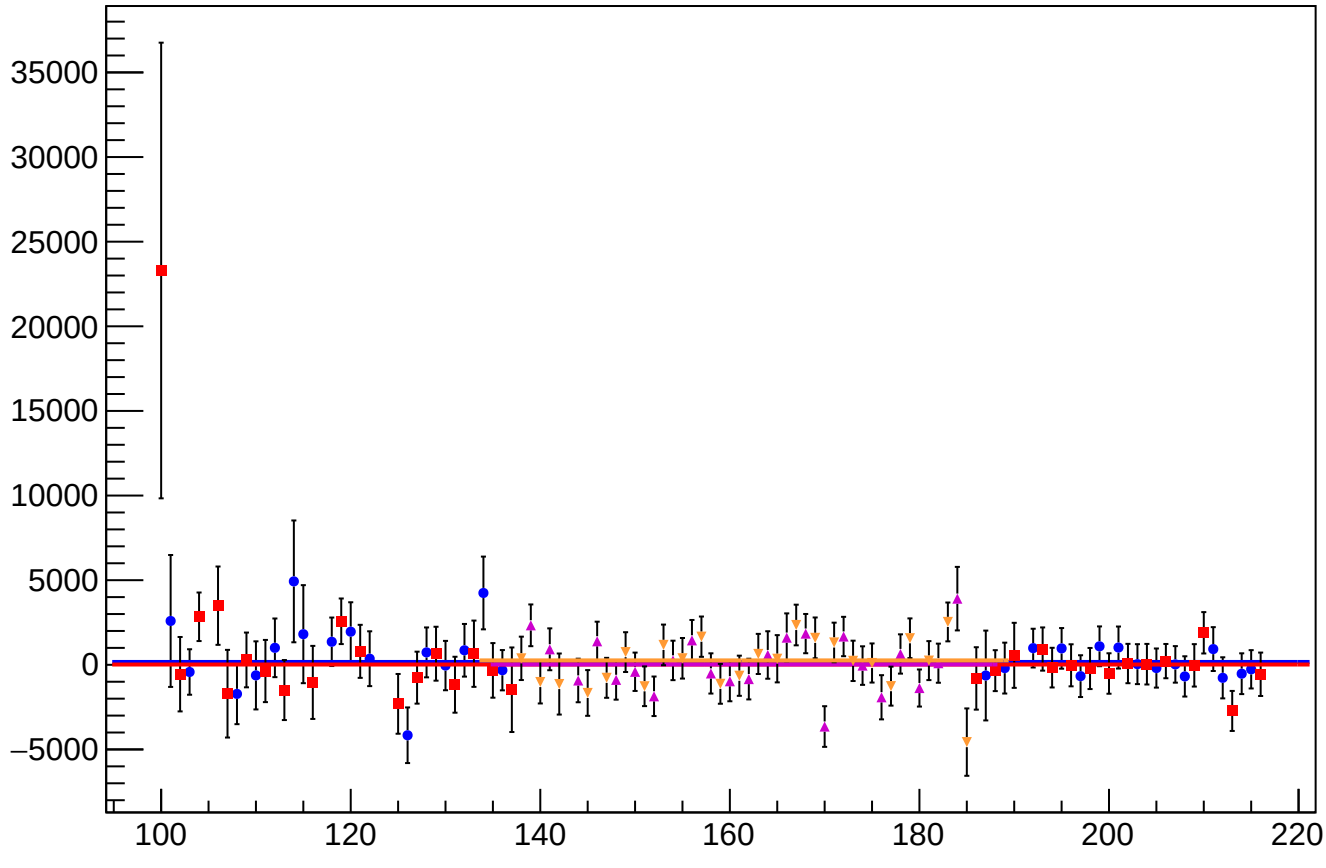
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 24281120.1/63

In: 0.000+/-0.000 χ^2/NDF:18327120.0/53

Out: 0.000+/-0.000 χ^2/NDF:18027267.0/56

All: 0.000+/-0.000 χ^2/NDF: 36356674.7/110



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: 17.583+/-256.720 χ^2/NDF: 26.8/32

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

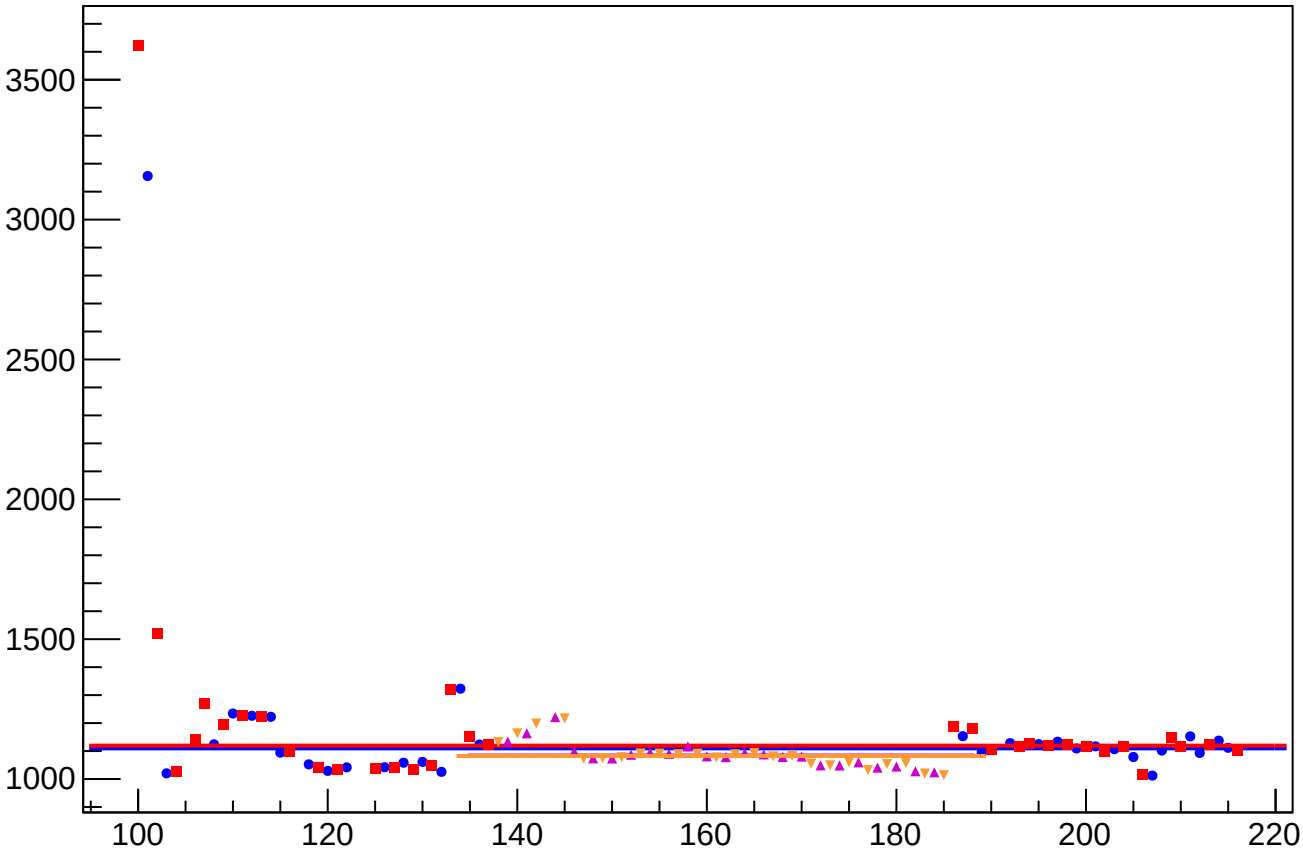
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 93.677+/-180.883 χ^2/NDF: 48.7/63

In: 95.081+/-179.686 χ^2/NDF:57.7/53

Out: 141.661+/-179.618 χ^2/NDF:55.5/56

All: 118.379+/-127.033 χ^2/NDF: 113.2/110



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: 1119.326+/-0.182 χ^2/NDF: 252912.5/32

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

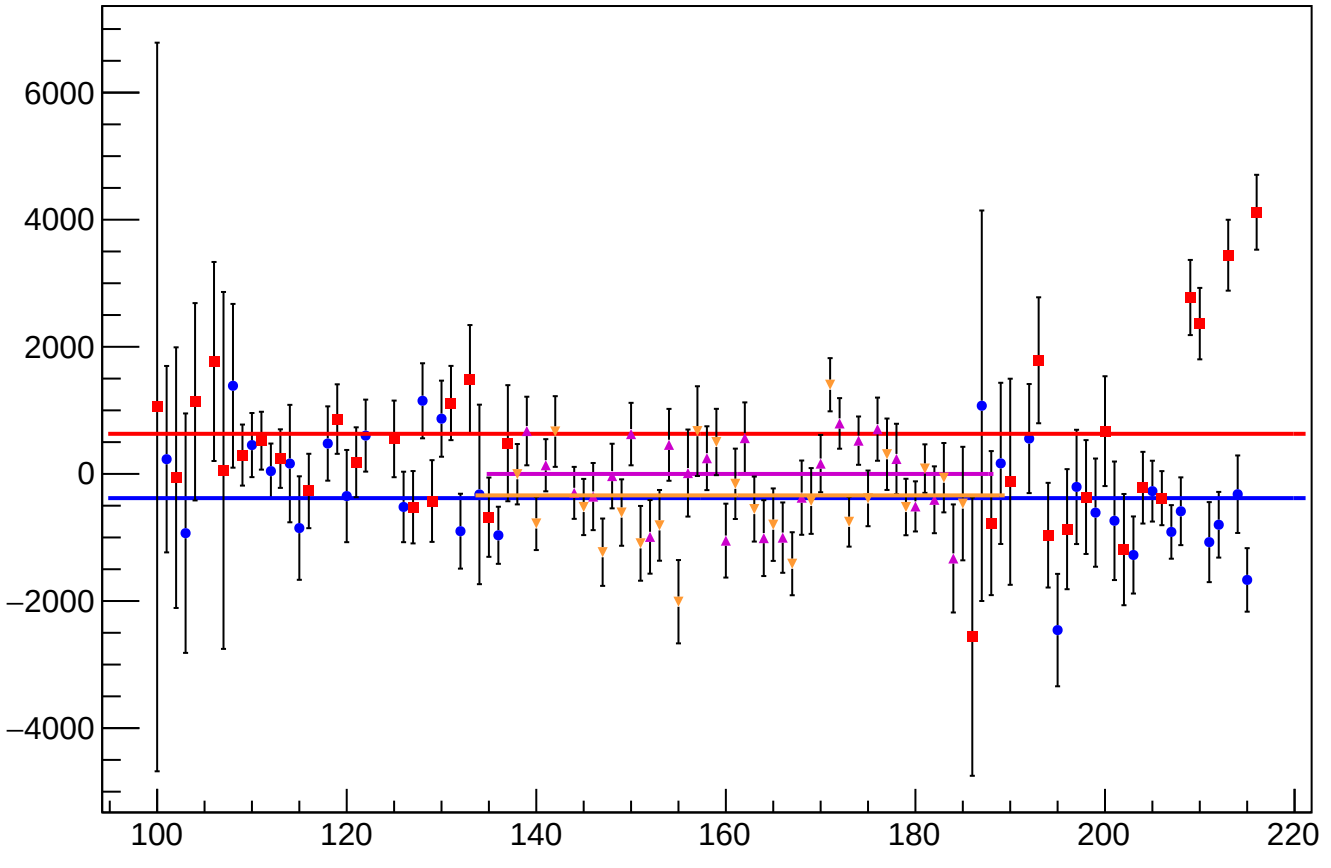
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1114.481+/-0.128 χ^2/NDF: 901971.4/63

In: 1096.856+/-0.127 χ^2/NDF:711183.4/53

Out: 1100.429+/-0.127 χ^2/NDF:332013.4/56

All: 1098.644+/-0.090 χ^2/NDF: 1043592.3/11



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: 630.961+/-118.969 χ^2/NDF: 126.3/32

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

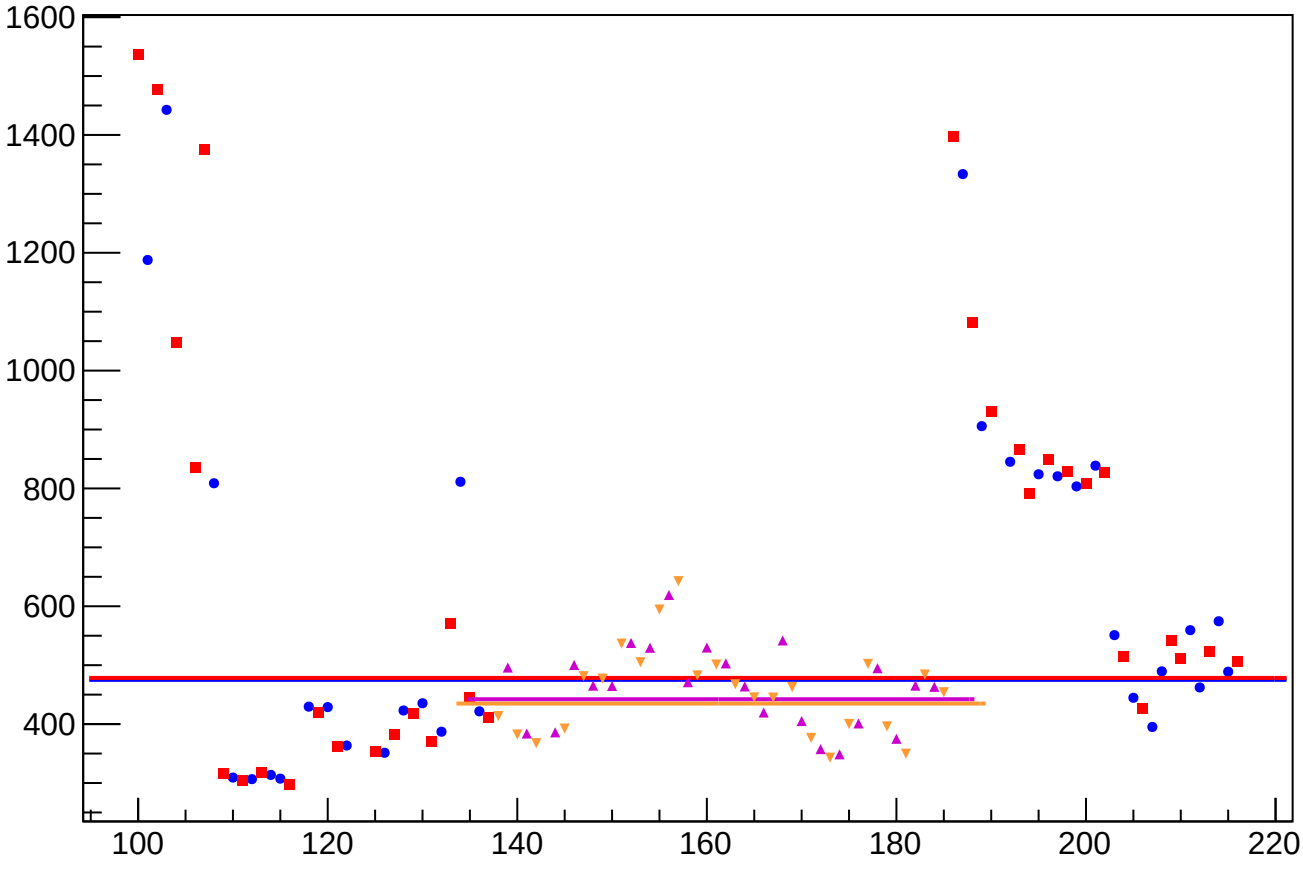
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 110.621+/-82.922 χ^2/NDF: 208.7/63

In: -171.991+/-77.628 χ^2/NDF:83.0/53

Out: 75.446+/-77.698 χ^2/NDF:213.2/56

All: -48.384+/-54.916 χ^2/NDF: 301.2/110



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: 478.369+/-0.084 χ^2/NDF: 5432535.4/32

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

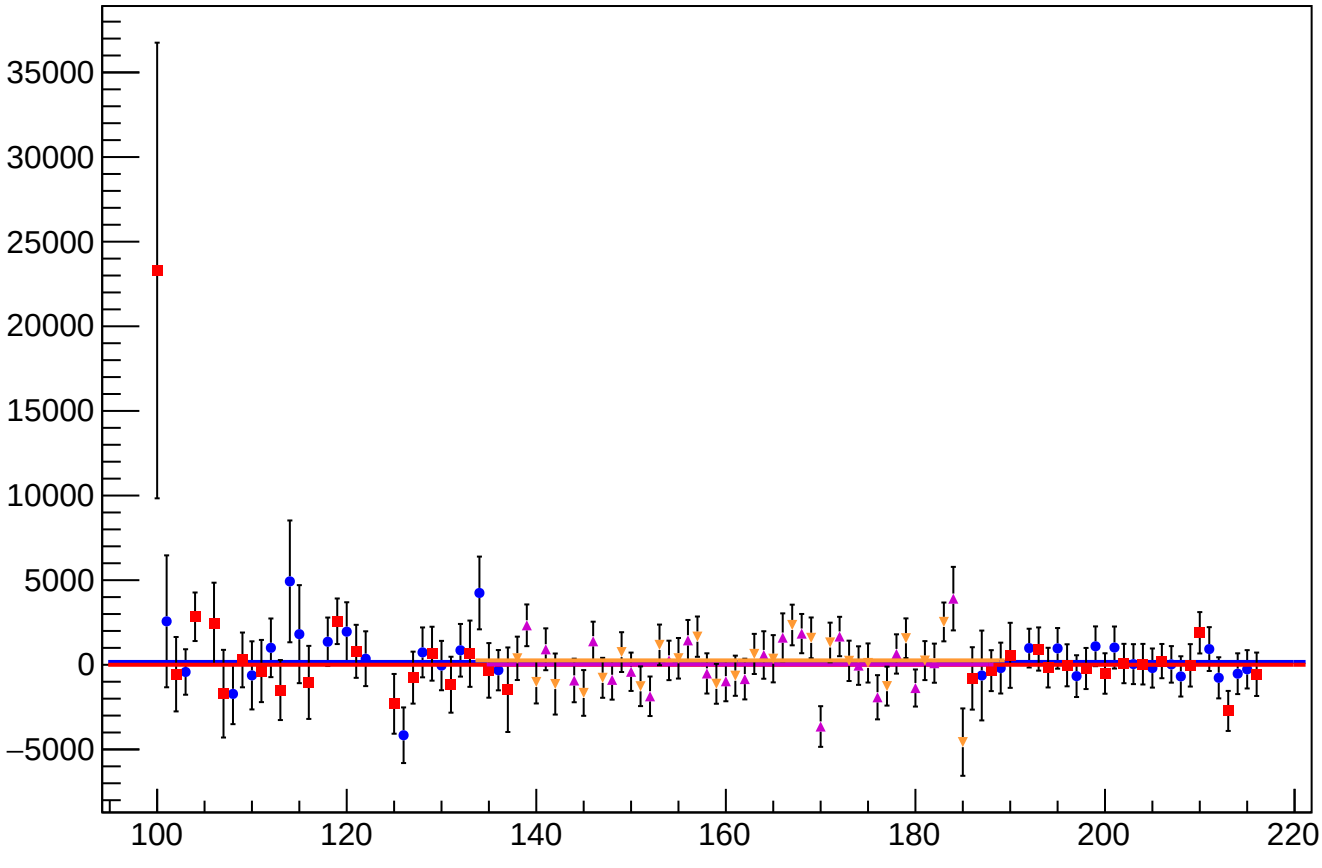
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 476.699+/-0.059 χ^2/NDF: 9811243.5/63

In: 457.039+/-0.055 χ^2/NDF:5292911.4/53

Out: 453.417+/-0.055 χ^2/NDF:6464368.1/56

All: 455.230+/-0.039 χ^2/NDF: 11759455.0/1



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: 2.296+/-256.842 χ^2/NDF: 25.6/32

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

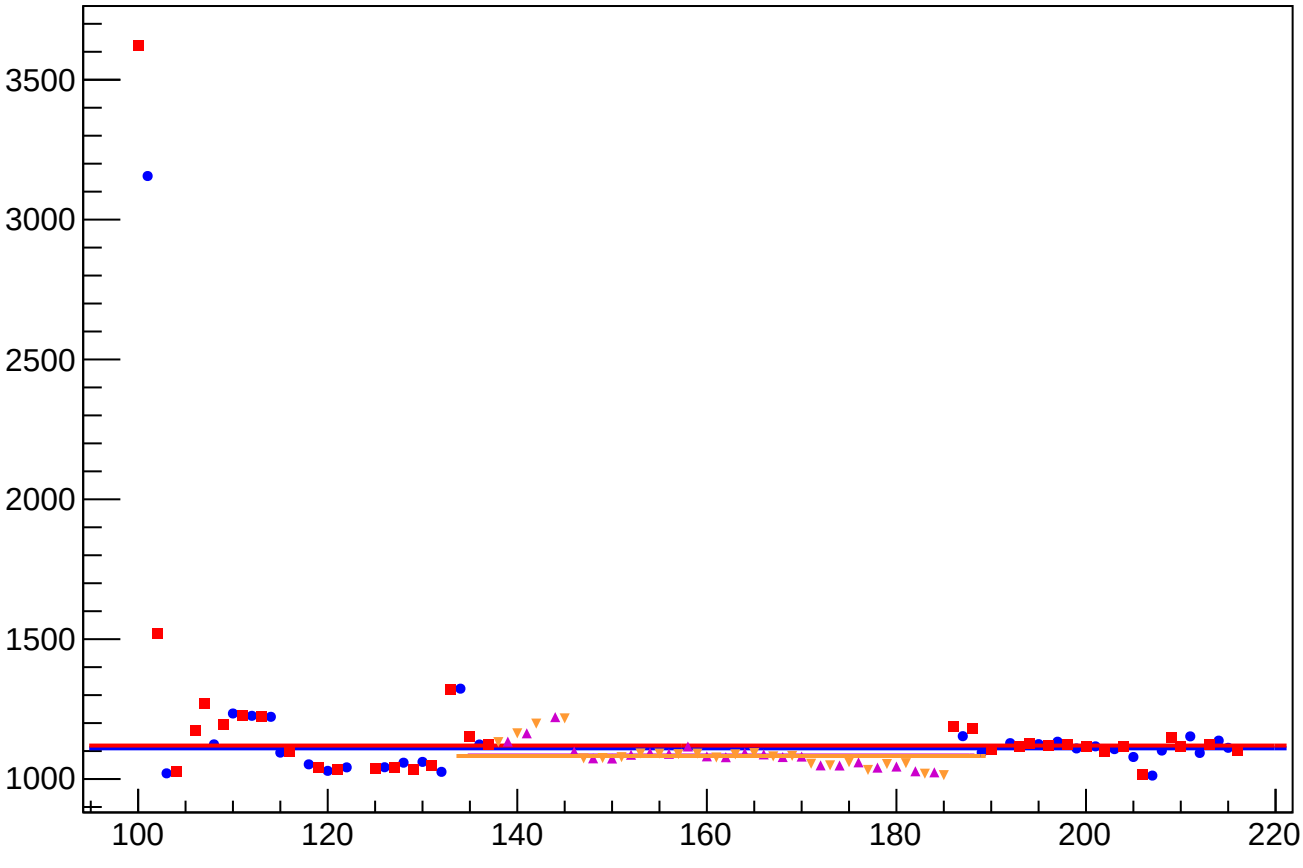
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 86.066+/-180.925 χ^2/NDF: 47.5/63

In: 95.017+/-179.686 χ^2/NDF:57.7/53

Out: 134.233+/-179.660 χ^2/NDF:54.3/56

All: 114.628+/-127.048 χ^2/NDF: 112.0/110



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: 1119.662+/-0.182 χ^2/NDF: 253690.8/32

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

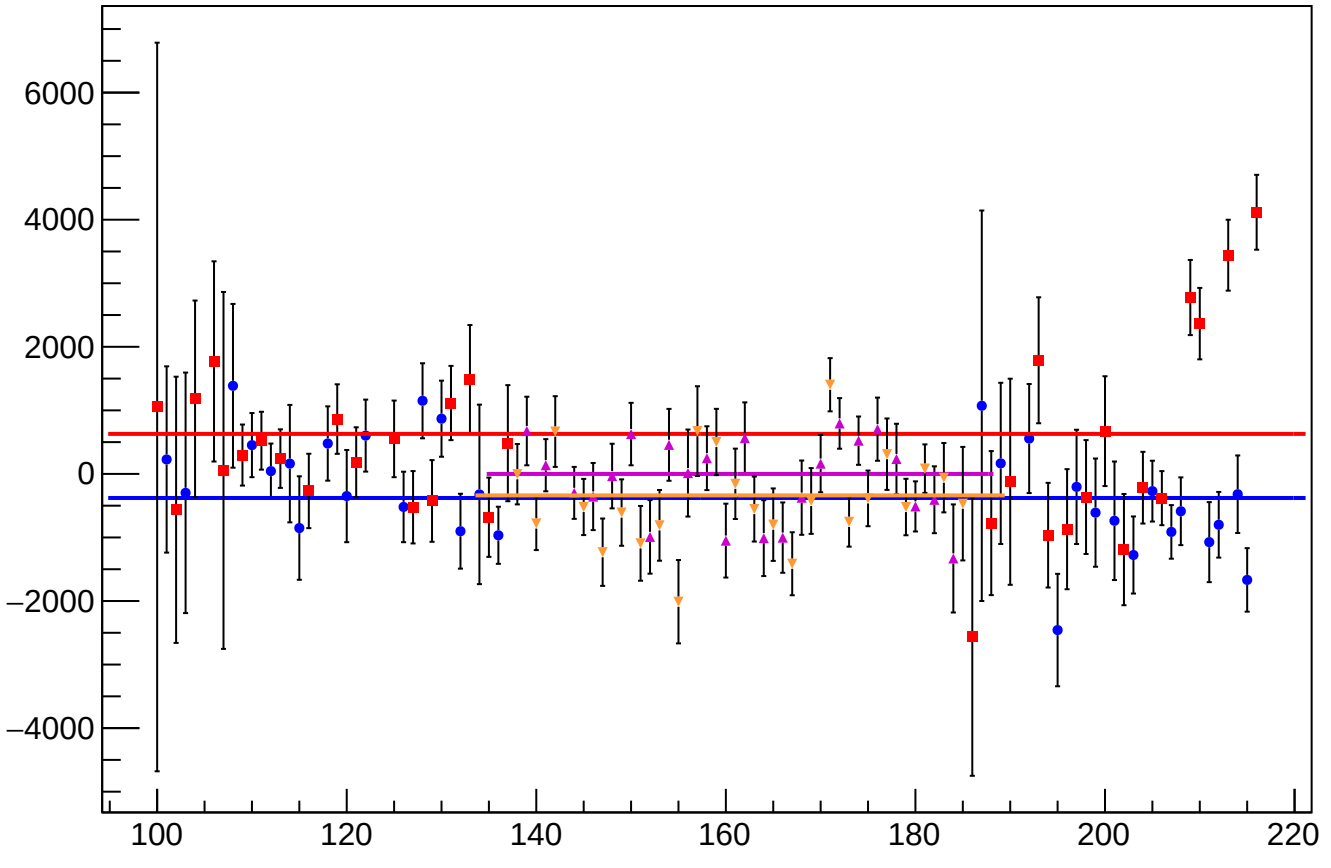
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.646+/-0.128 χ^2/NDF: 902850.7/63

In: 1096.856+/-0.127 χ^2/NDF:711184.3/53

Out: 1100.585+/-0.127 χ^2/NDF:333169.0/56

All: 1098.721+/-0.090 χ^2/NDF: 1044784.0/11



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: 629.669+/-118.980 χ^2/NDF: 126.6/32

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

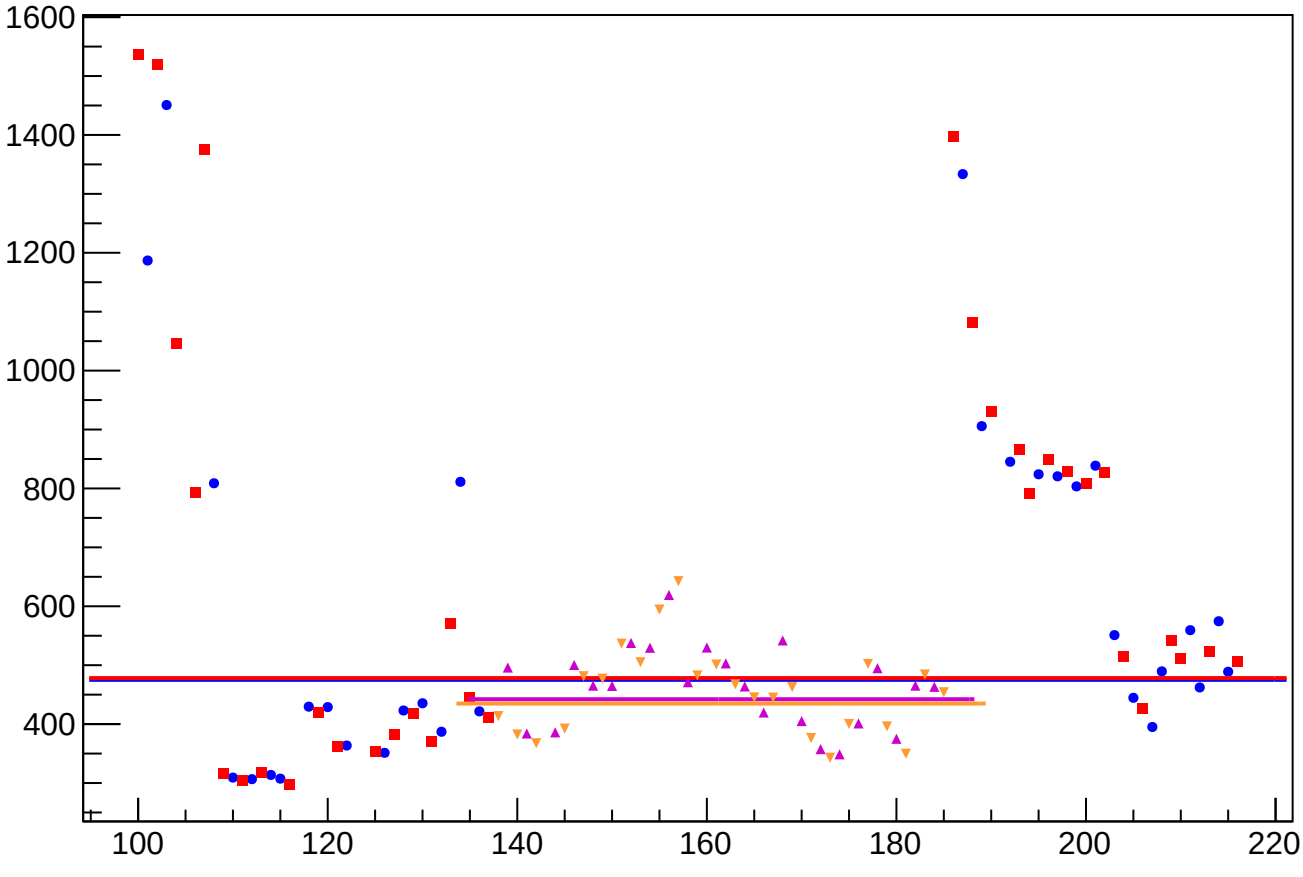
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 111.134+/-82.926 χ^2/NDF: 208.6/63

In: -170.966+/-77.628 χ^2/NDF:82.8/53

Out: 74.800+/-77.700 χ^2/NDF:213.3/56

All: -48.198+/-54.917 χ^2/NDF: 301.1/110



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: 478.117+/-0.084 χ^2/NDF: 5427432.2/32

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

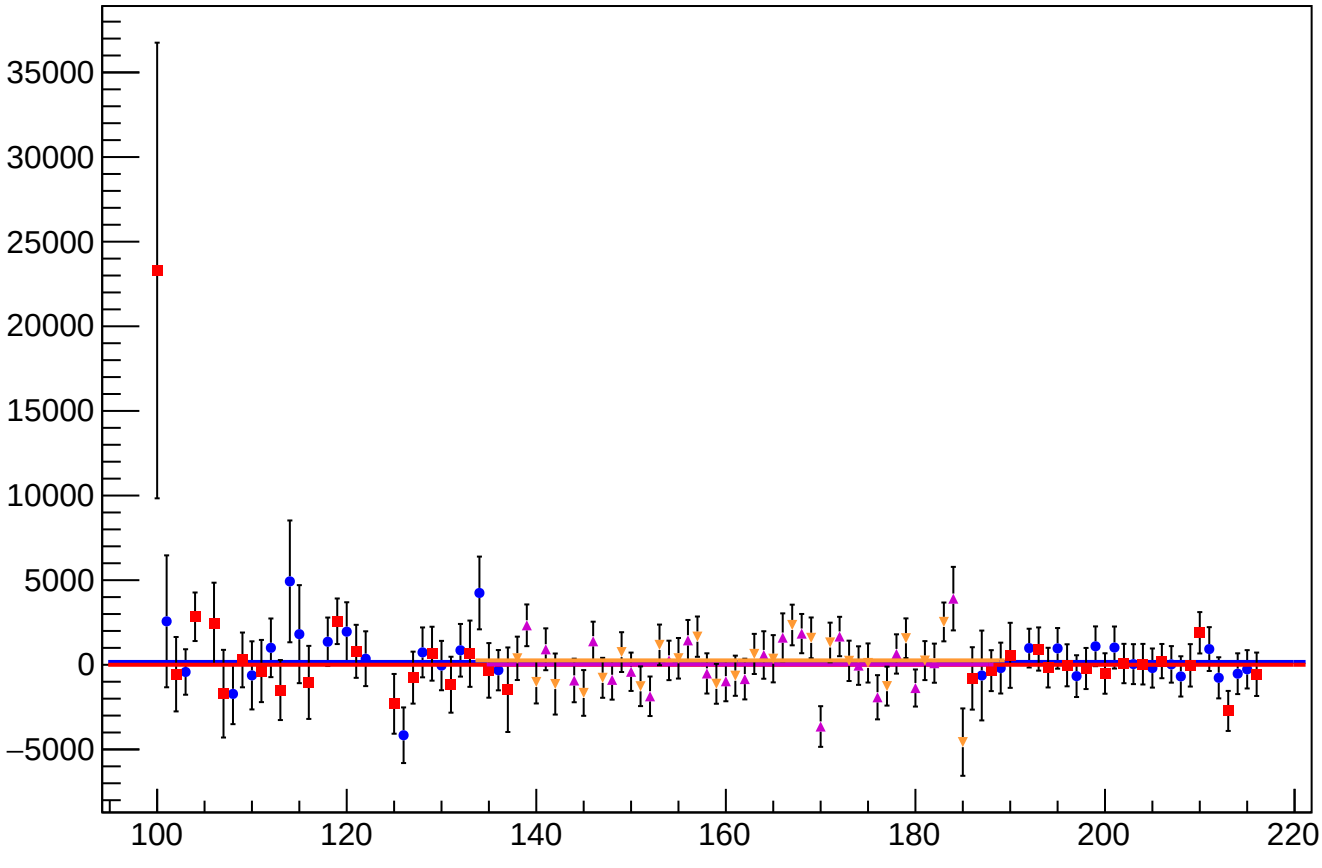
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 476.573+/-0.059 χ^2/NDF: 9809827.1/63

In: 457.038+/-0.055 χ^2/NDF:5296549.1/53

Out: 453.306+/-0.055 χ^2/NDF:6457581.7/56

All: 455.174+/-0.039 χ^2/NDF: 11756439.7/1



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: 2.296+/-256.842 χ^2/NDF: 25.6/32

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

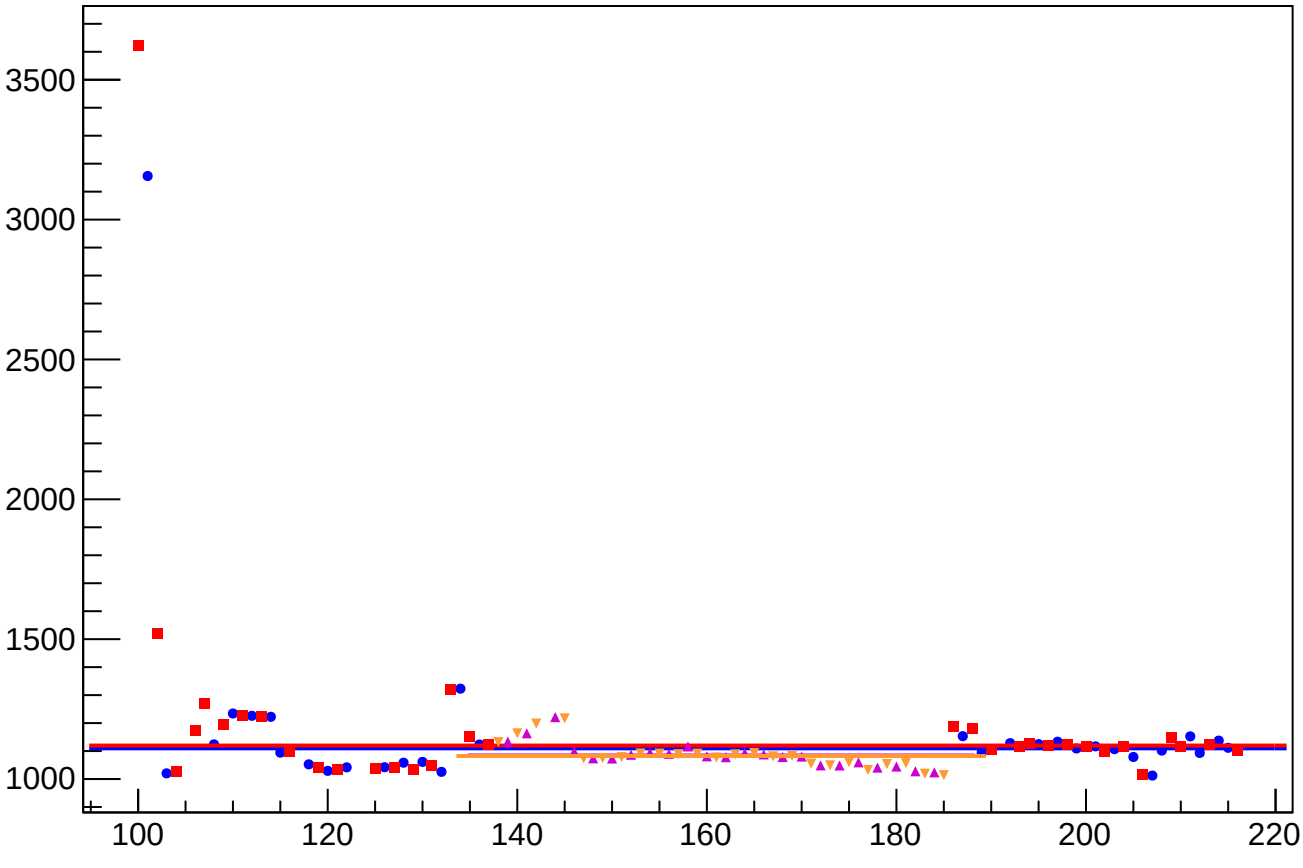
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 86.066+/-180.925 χ^2/NDF: 47.5/63

In: 95.017+/-179.686 χ^2/NDF:57.7/53

Out: 134.233+/-179.660 χ^2/NDF:54.3/56

All: 114.628+/-127.048 χ^2/NDF: 112.0/110



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: 1119.662+/-0.182 χ^2/NDF: 253690.8/32

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

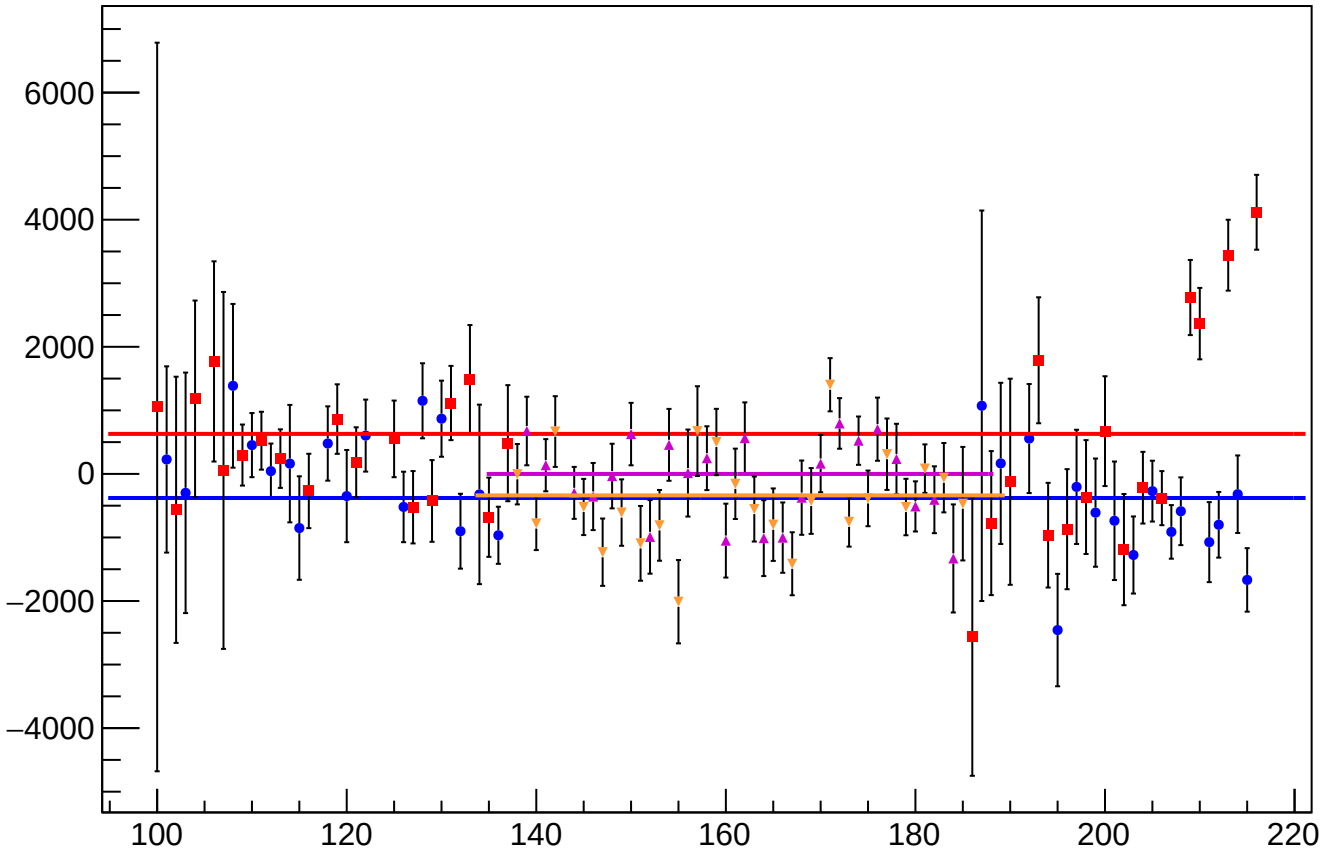
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1114.646+/-0.128 χ^2/NDF: 902850.7/63

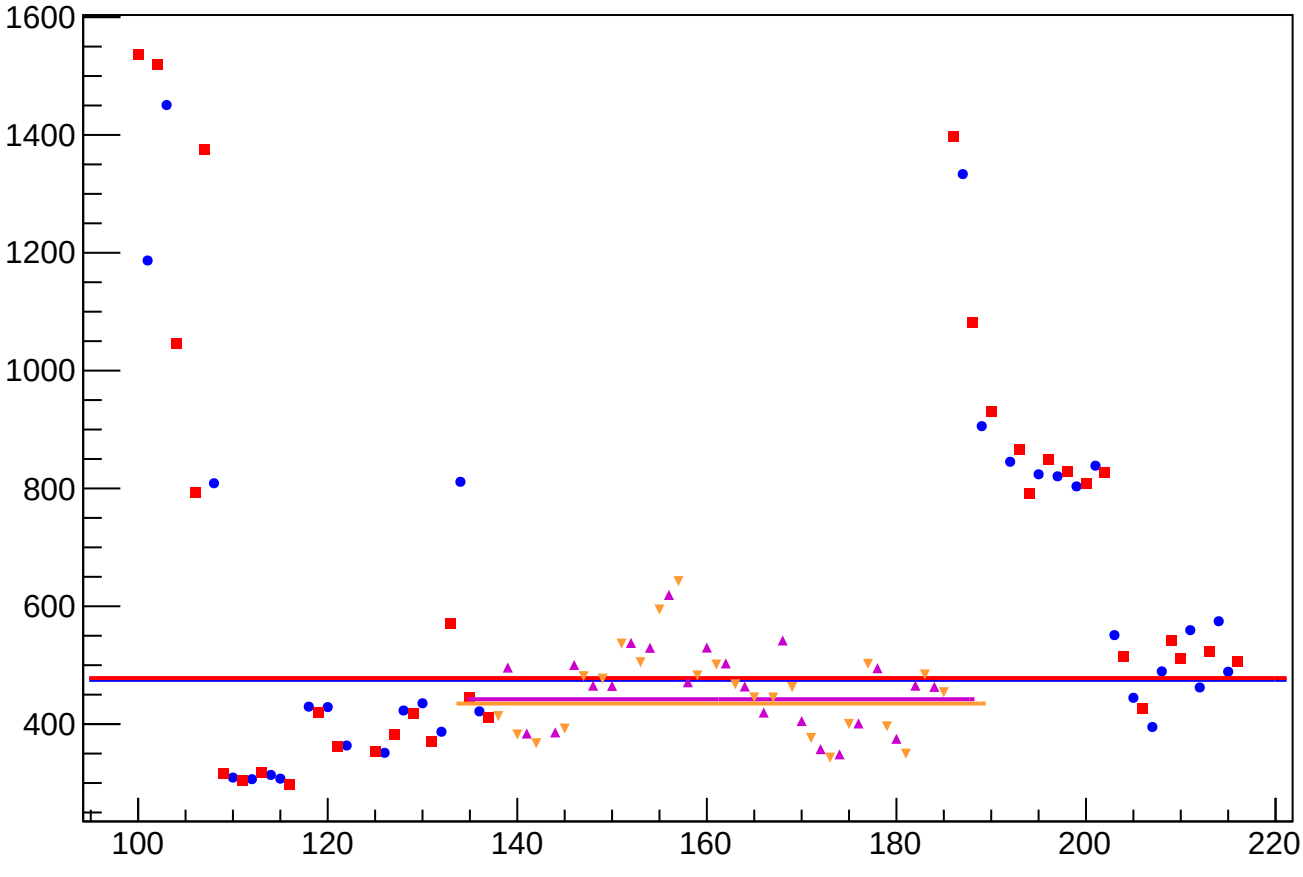
In: 1096.856+/-0.127 χ^2/NDF:711184.3/53

Out: 1100.585+/-0.127 χ^2/NDF:333169.0/56

All: 1098.721+/-0.090 χ^2/NDF: 1044784.0/11


asym_us_dd_atlr_dd_dd_eigen_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: 629.669+/-118.980 χ²/NDF: 126.6/32
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 111.134+/-82.926 χ²/NDF: 208.6/63
In: -170.966+/-77.628 χ²/NDF:82.8/53
Out: 74.800+/-77.700 χ²/NDF:213.3/56
All: -48.198+/-54.917 χ²/NDF: 301.1/110

asym_us_dd_atlr_dd_dd_eigen_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: 478.117+/-0.084 χ^2/NDF: 5427432.2/32

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

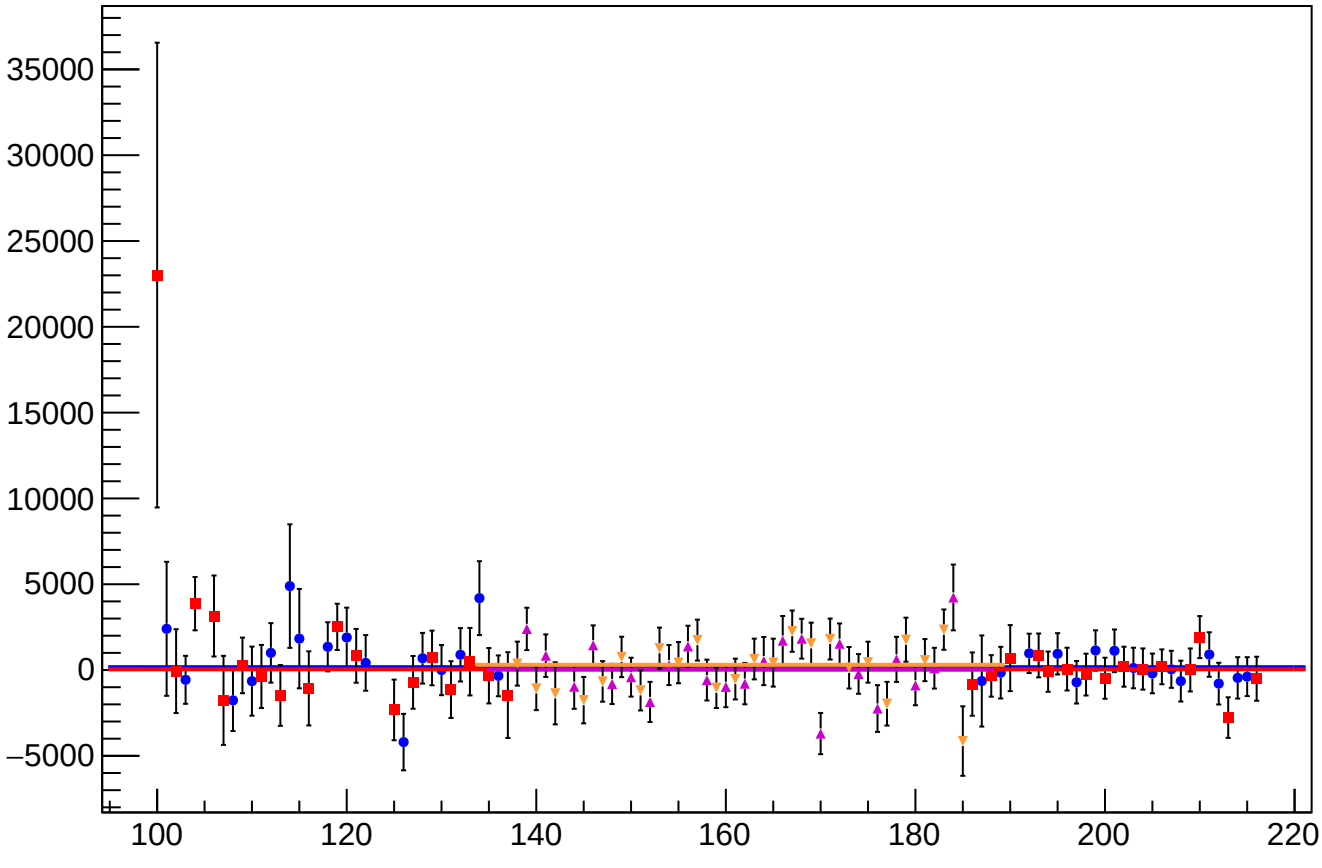
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 476.573+/-0.059 χ^2/NDF: 9809827.1/63

In: 457.038+/-0.055 χ^2/NDF:5296549.1/53

Out: 453.306+/-0.055 χ^2/NDF:6457581.7/56

All: 455.174+/-0.039 χ^2/NDF: 11756439.7/1



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: 44.362+/-258.024 χ^2/NDF: 28.4/32

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

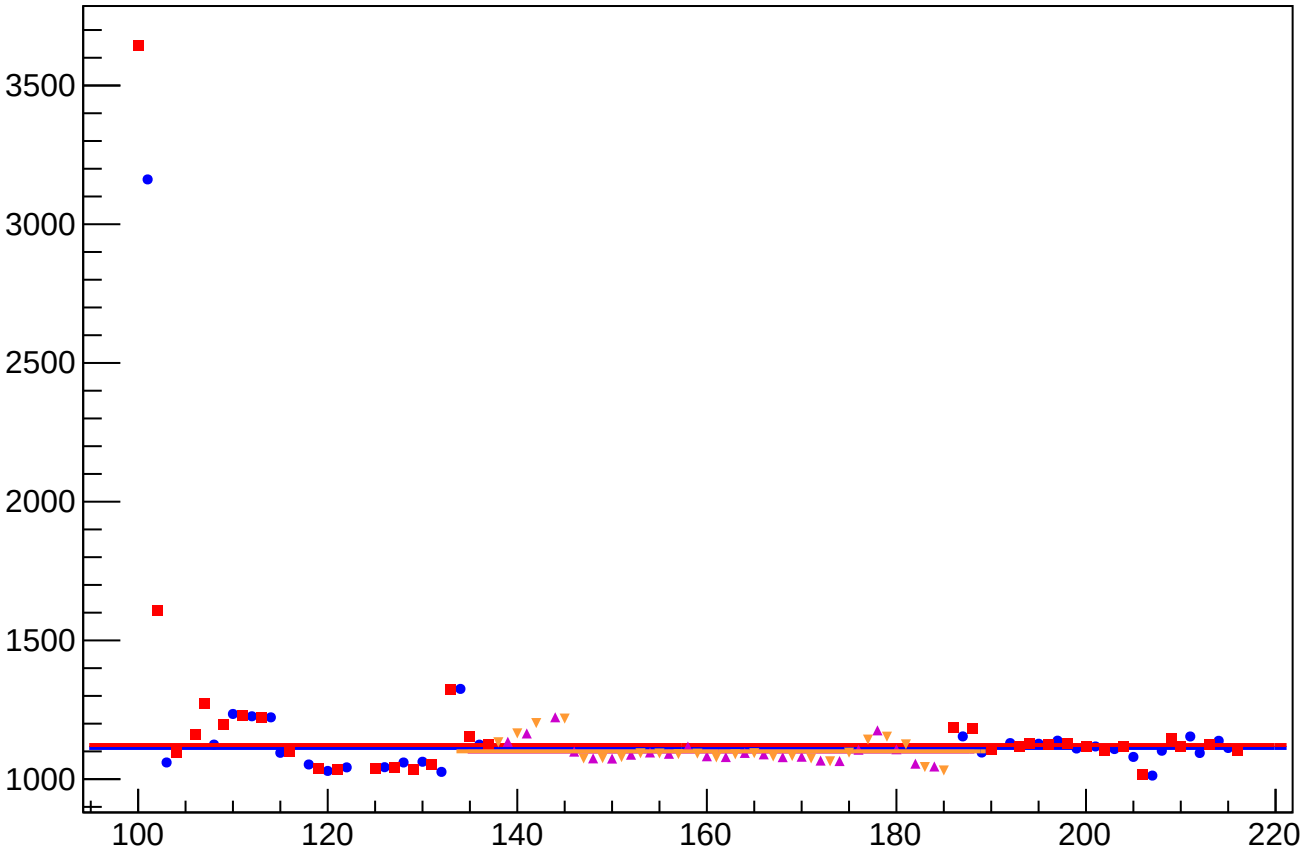
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 106.105+/-181.563 χ^2/NDF: 50.3/63

In: 96.358+/-181.158 χ^2/NDF:57.8/53

Out: 175.127+/-181.572 χ^2/NDF:57.4/56

All: 135.653+/-128.244 χ^2/NDF: 115.3/110



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: 1122.951+/-0.182 χ^2/NDF: 259545.8/32

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

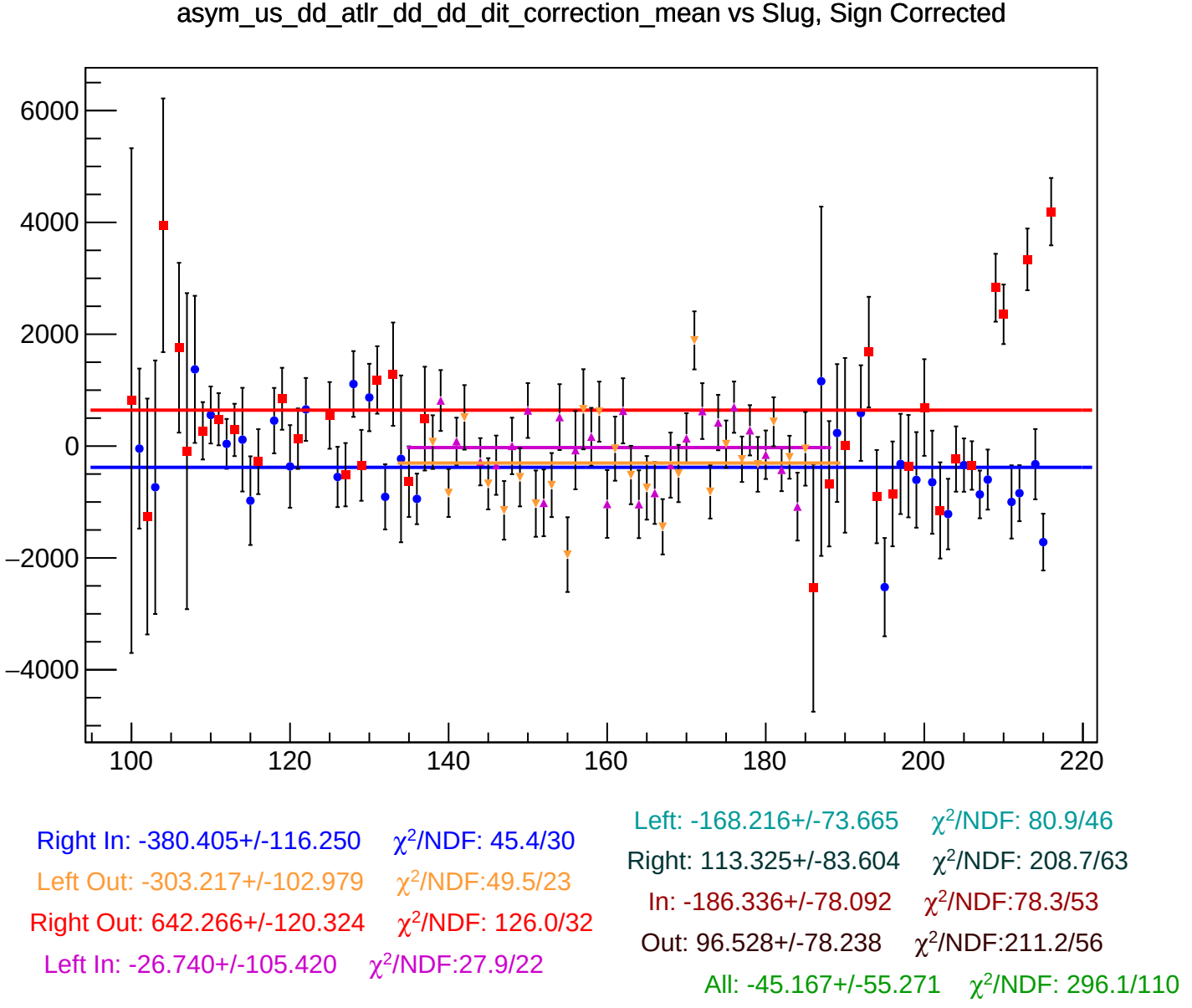
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1117.659+/-0.128 χ^2/NDF: 903685.6/63

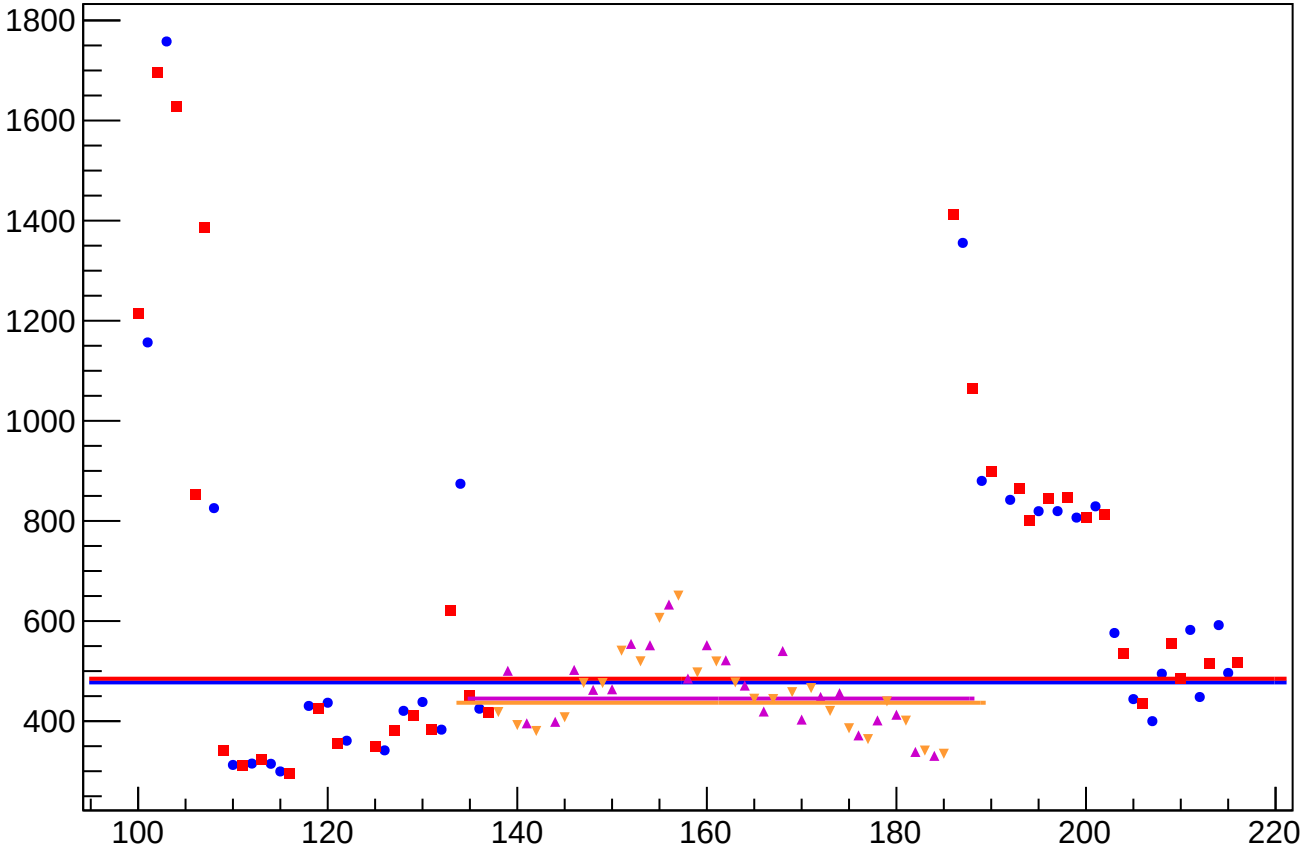
In: 1105.939+/-0.128 χ^2/NDF:689883.8/53

Out: 1111.495+/-0.128 χ^2/NDF:316129.3/56

All: 1108.711+/-0.091 χ^2/NDF: 1006951.6/11


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: -380.405+/-116.250 χ²/NDF: 45.4/30
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: 642.266+/-120.324 χ²/NDF: 126.0/32
Left In: -26.740+/-105.420 χ²/NDF:27.9/22
Left: -168.216+/-73.665 χ²/NDF: 80.9/46
Right: 113.325+/-83.604 χ²/NDF: 208.7/63
In: -186.336+/-78.092 χ²/NDF:78.3/53
Out: 96.528+/-78.238 χ²/NDF:211.2/56
All: -45.167+/-55.271 χ²/NDF: 296.1/110

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: 484.823+/-0.085 χ^2/NDF: 5740314.7/32

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

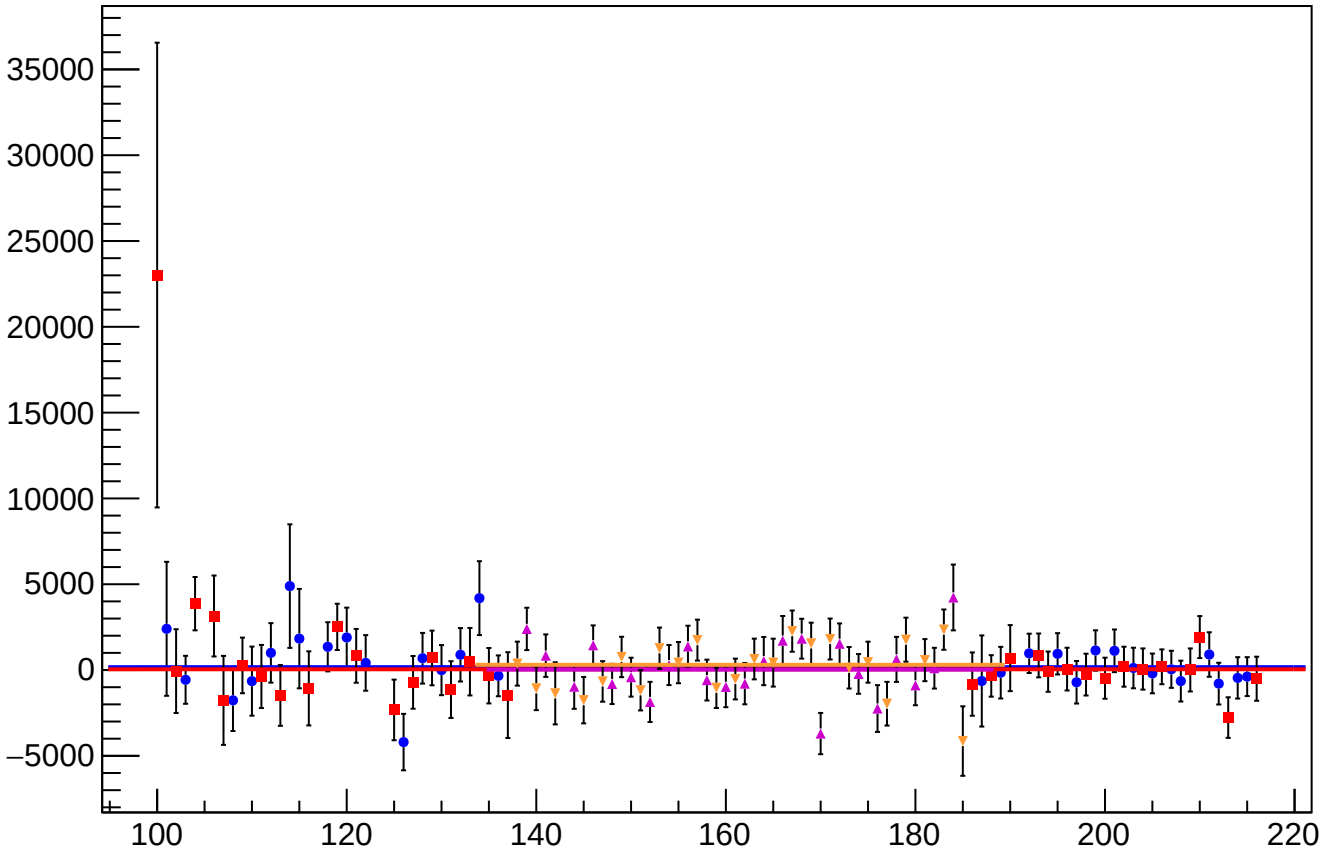
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 480.996+/-0.059 χ^2/NDF: 10261460.8/63

In: 459.691+/-0.055 χ^2/NDF:5476572.5/53

Out: 457.096+/-0.055 χ^2/NDF:6779512.3/56

All: 458.396+/-0.039 χ^2/NDF: 12257186.9/1



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: 44.362+/-258.024 χ^2/NDF: 28.4/32

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

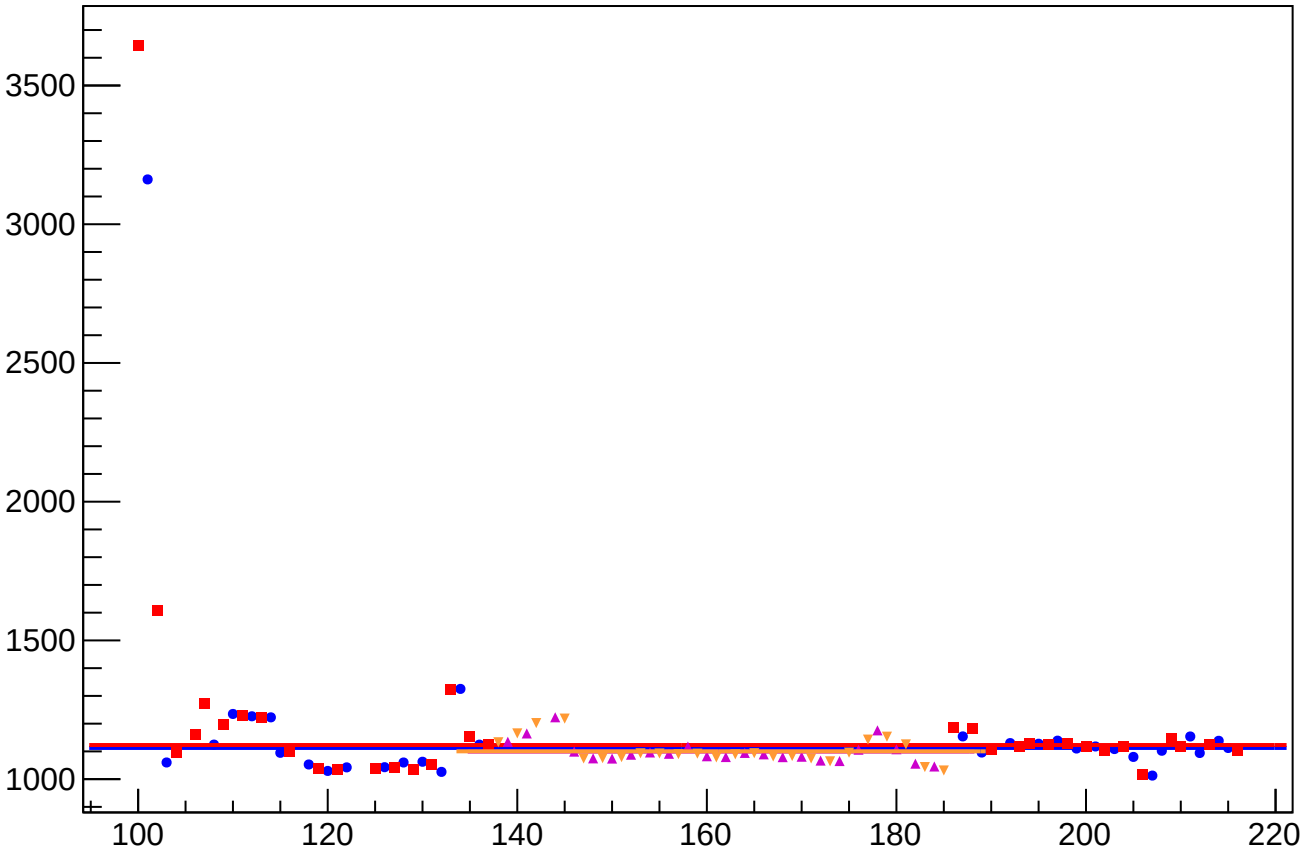
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 106.104+/-181.563 χ^2/NDF: 50.3/63

In: 96.358+/-181.158 χ^2/NDF:57.8/53

Out: 175.126+/-181.572 χ^2/NDF:57.4/56

All: 135.652+/-128.244 χ^2/NDF: 115.3/110



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: 1122.951+/-0.182 χ^2/NDF: 259545.9/32

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

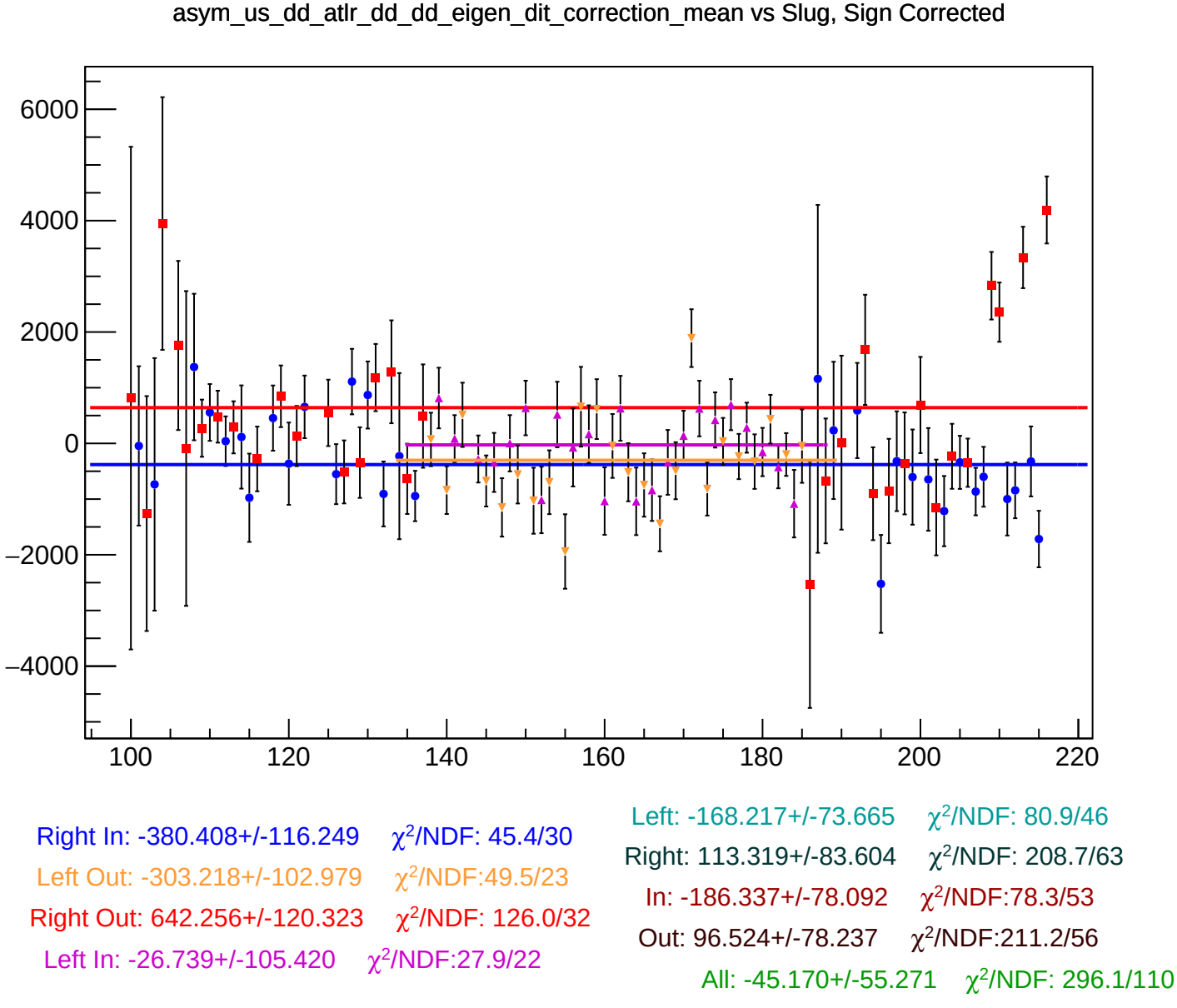
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1117.659+/-0.128 χ^2/NDF: 903685.7/63

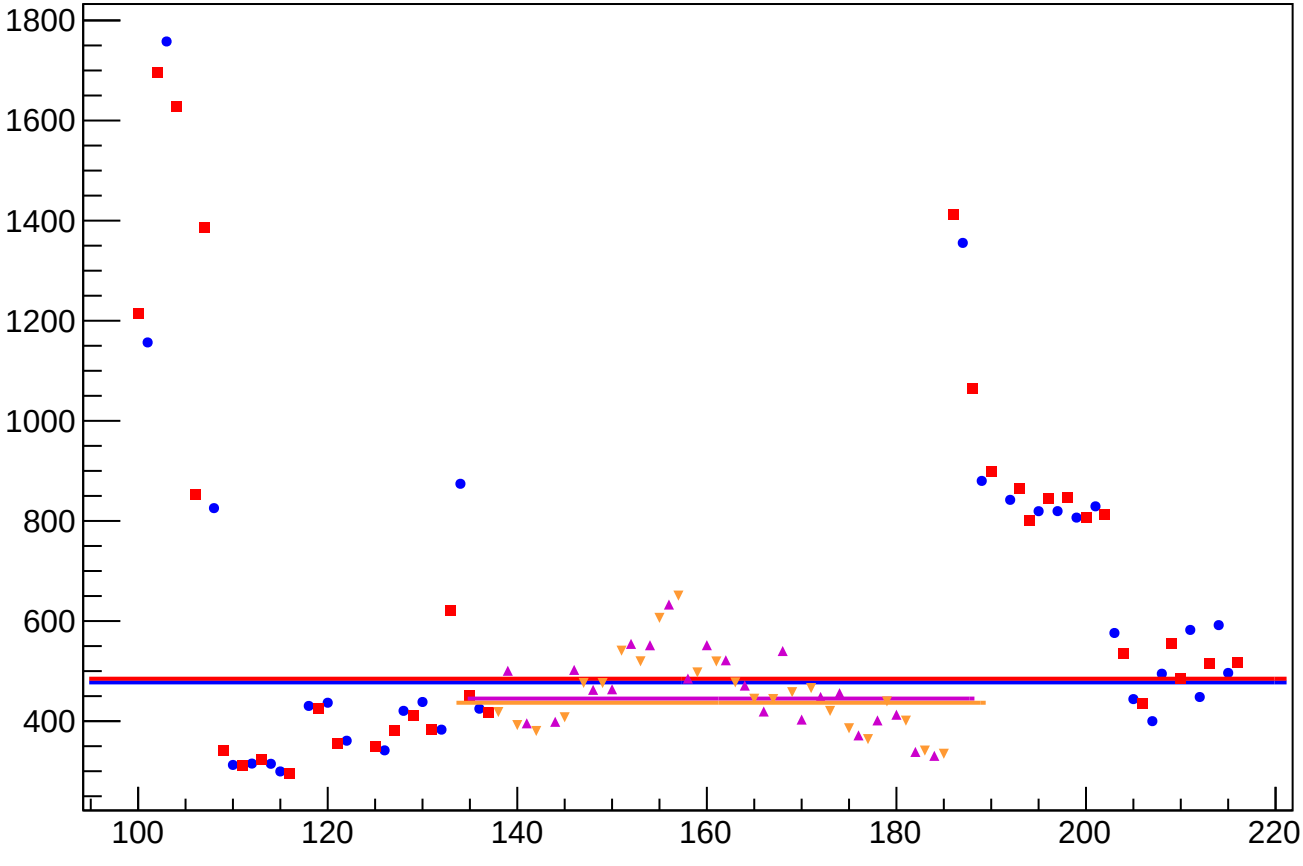
In: 1105.939+/-0.128 χ^2/NDF:689883.9/53

Out: 1111.495+/-0.128 χ^2/NDF:316129.6/56

All: 1108.711+/-0.091 χ^2/NDF: 1006952.1/11


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: 642.256+/-120.323 χ²/NDF: 126.0/32
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 113.319+/-83.604 χ²/NDF: 208.7/63
In: -186.337+/-78.092 χ²/NDF:78.3/53
Out: 96.524+/-78.237 χ²/NDF:211.2/56
All: -45.170+/-55.271 χ²/NDF: 296.1/110

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 484.821+/-0.085 χ^2/NDF: 5740384.9/32

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

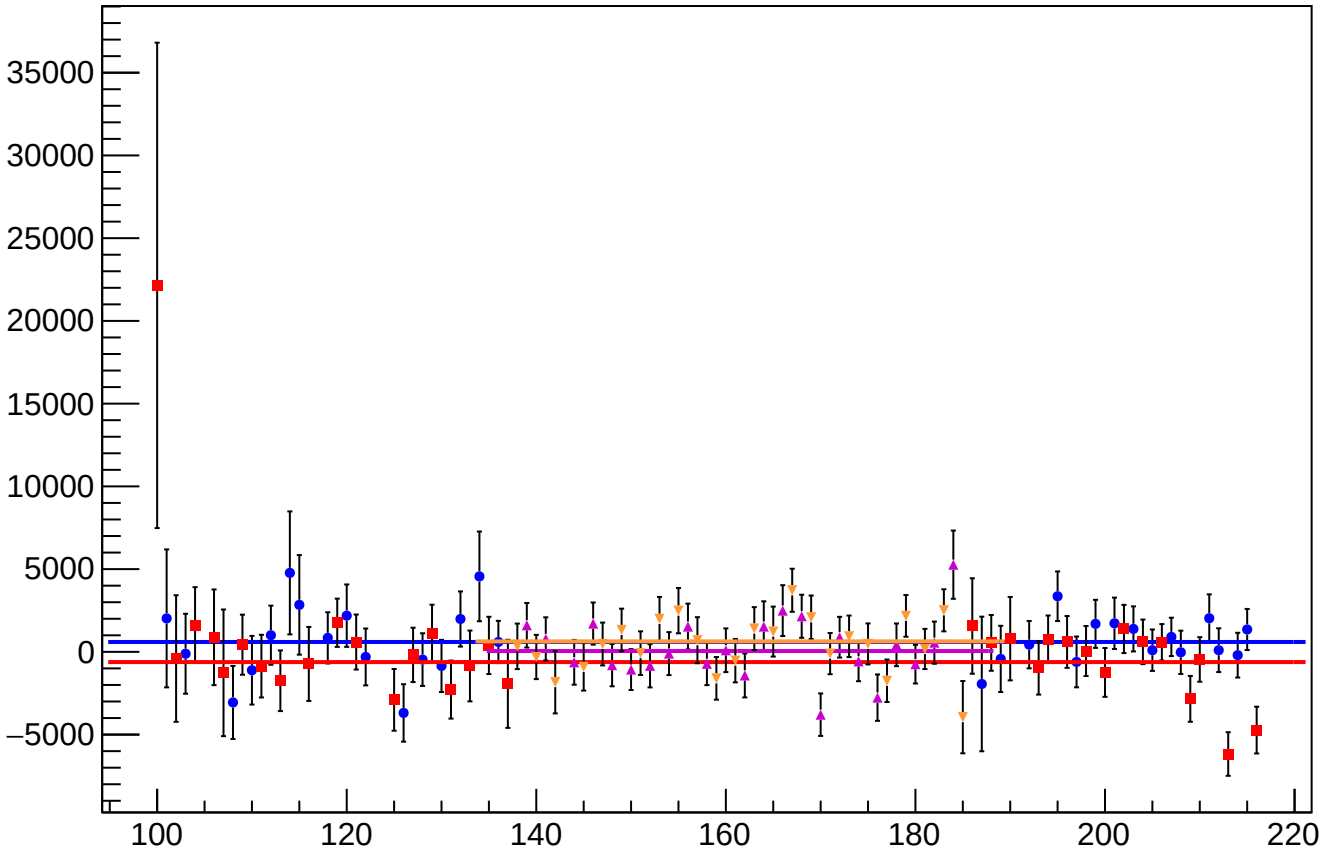
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 480.994+/-0.059 χ^2/NDF: 10261564.8/63

In: 459.690+/-0.055 χ^2/NDF:5476630.7/53

Out: 457.095+/-0.055 χ^2/NDF:6779597.3/56

All: 458.395+/-0.039 χ^2/NDF: 12257330.0/1



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: -617.854+/-299.036 χ^2/NDF: 47.7/32

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

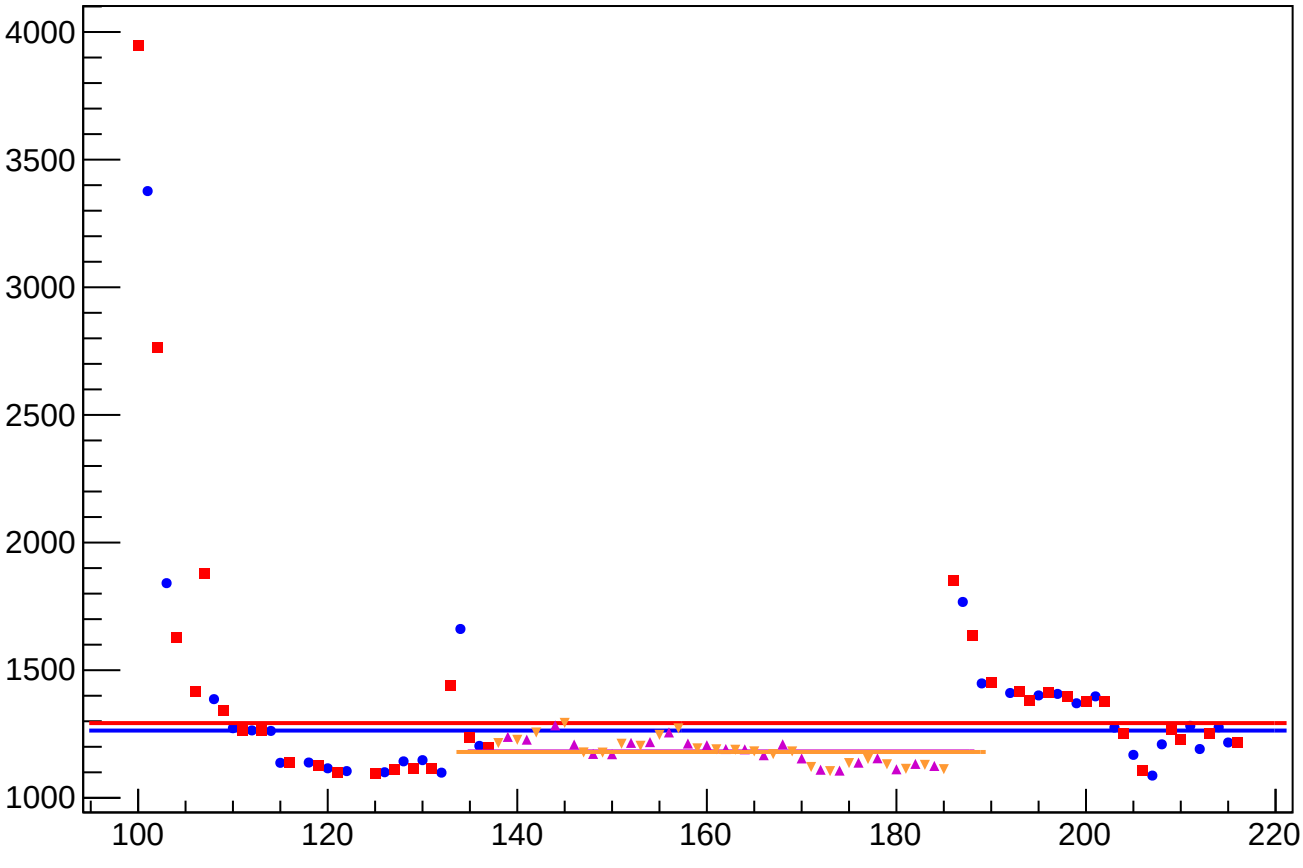
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 4.800+/-208.805 χ^2/NDF: 81.4/63

In: 309.156+/-200.561 χ^2/NDF:62.0/53

Out: 61.915+/-202.044 χ^2/NDF:87.4/56

All: 186.446+/-142.339 χ^2/NDF: 150.1/110



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: 1292.857+/-0.211 χ^2/NDF: 915336.9/32

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

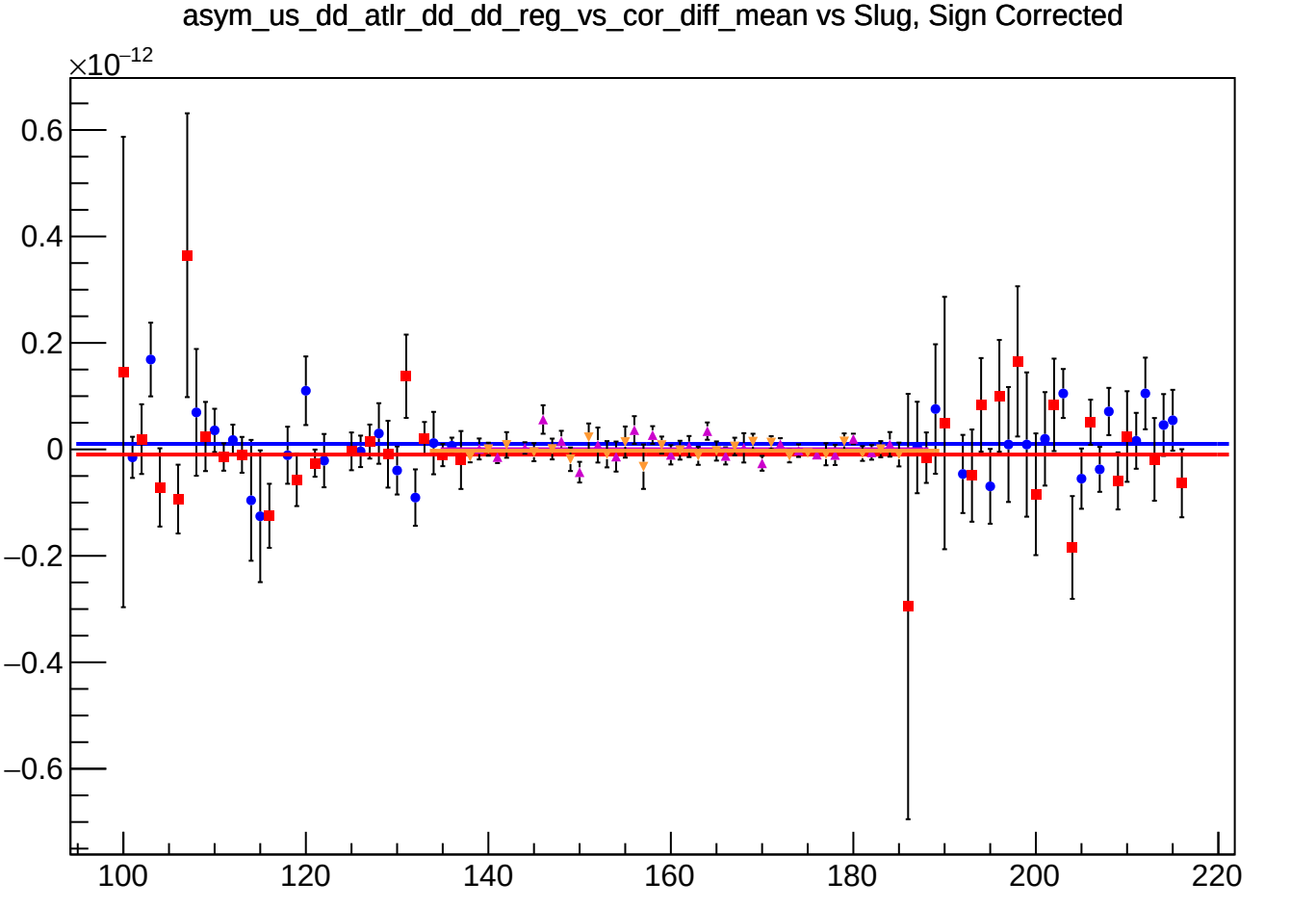
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1277.851+/-0.148 χ^2/NDF: 1912449.5/63

In: 1220.528+/-0.142 χ^2/NDF:1130252.4/53

Out: 1231.364+/-0.143 χ^2/NDF:1135616.6/56

All: 1225.906+/-0.101 χ^2/NDF: 2268766.6/11



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: 28.2/32

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

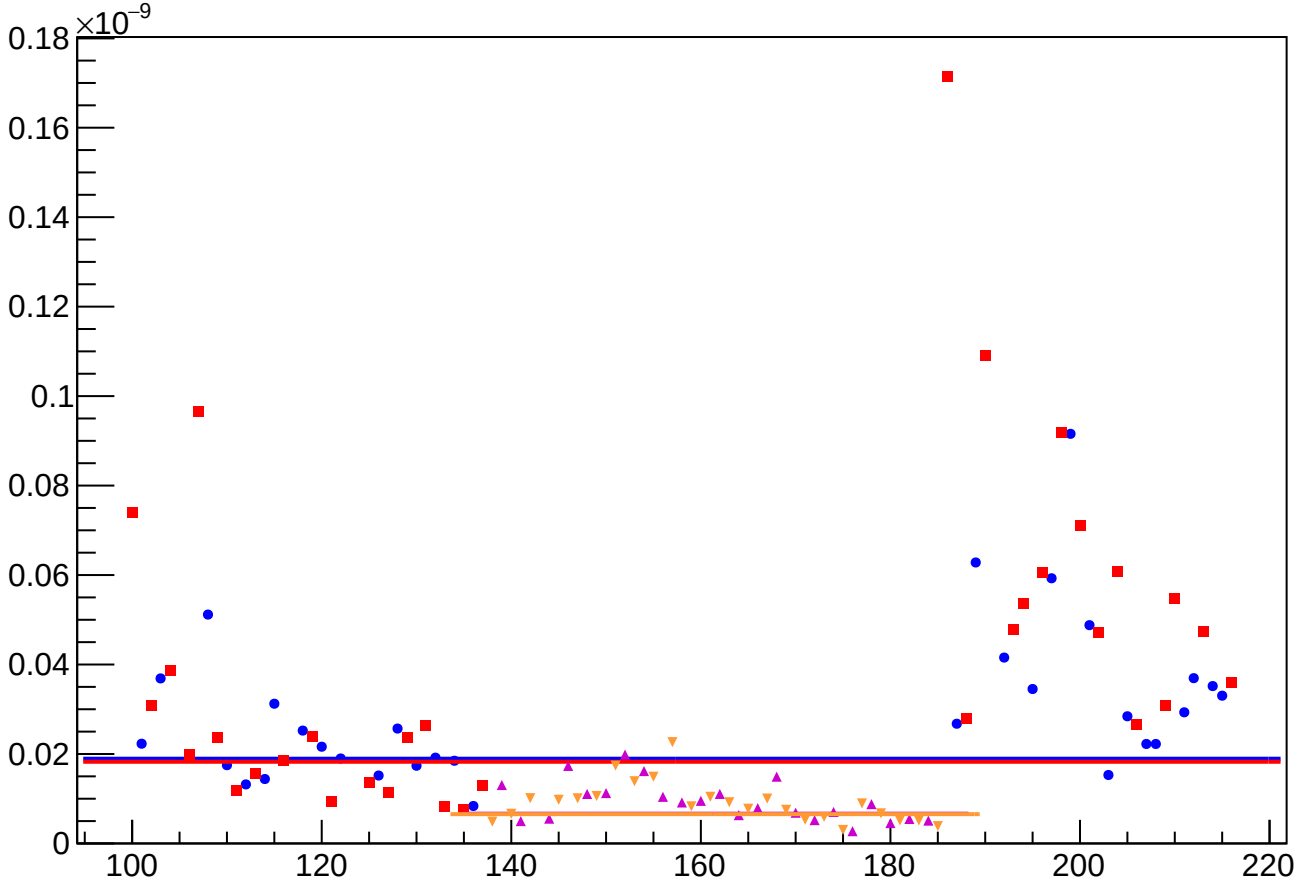
Right: 0.000+/-0.000 χ^2/NDF: 61.6/63

In: 0.000+/-0.000 χ^2/NDF:64.3/53

Out: -0.000+/-0.000 χ^2/NDF:39.4/56

All: -0.000+/-0.000 χ^2/NDF: 105.1/110

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: 5906676.6/32

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

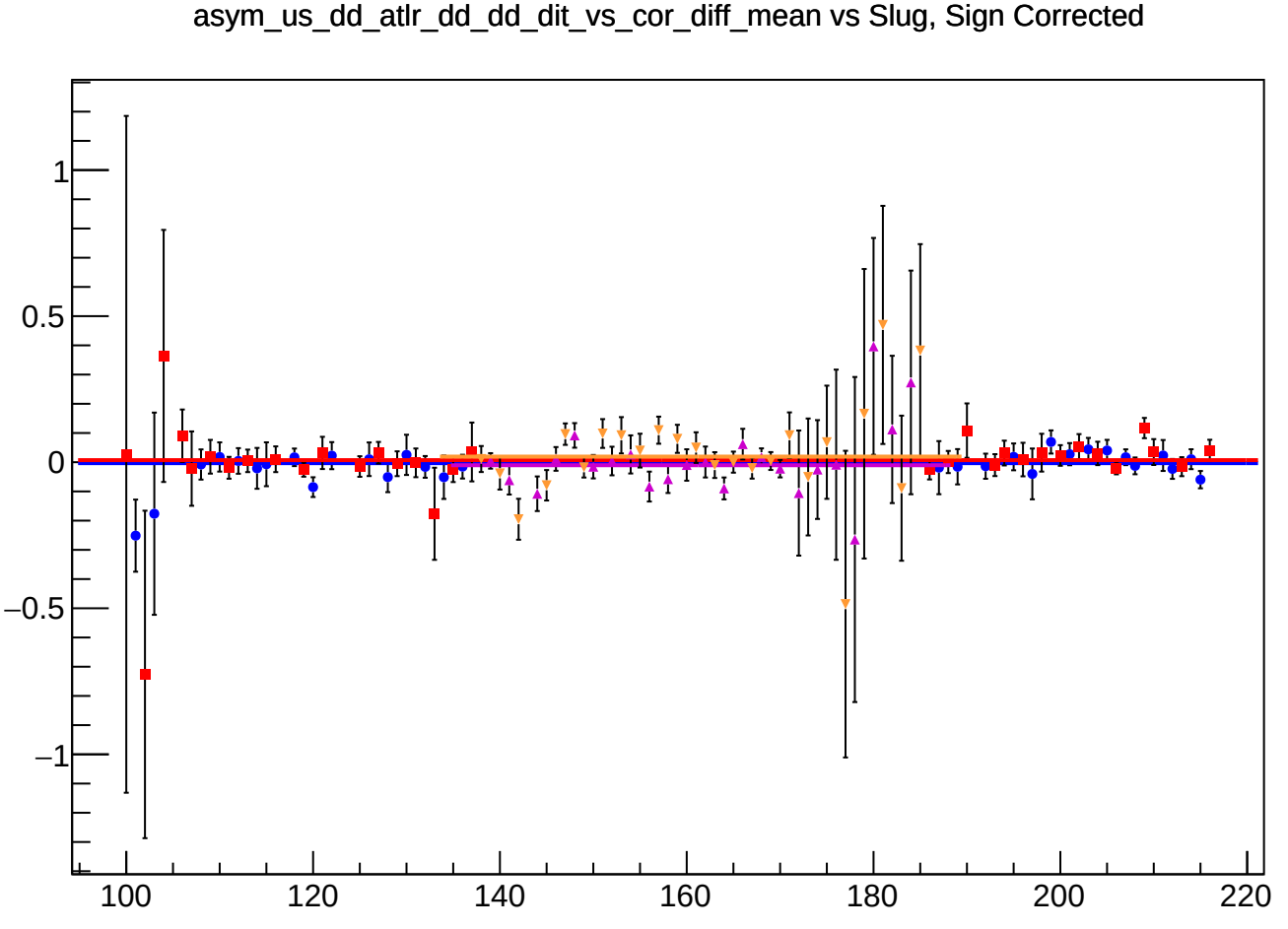
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 9600060.8/63

In: 0.000+/-0.000 χ^2/NDF:10117681.6/53

Out: 0.000+/-0.000 χ^2/NDF:11653897.5/56

All: 0.000+/-0.000 χ^2/NDF: 21780017.1/110



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: 0.007+/-0.007 χ^2/NDF: 26.7/32

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

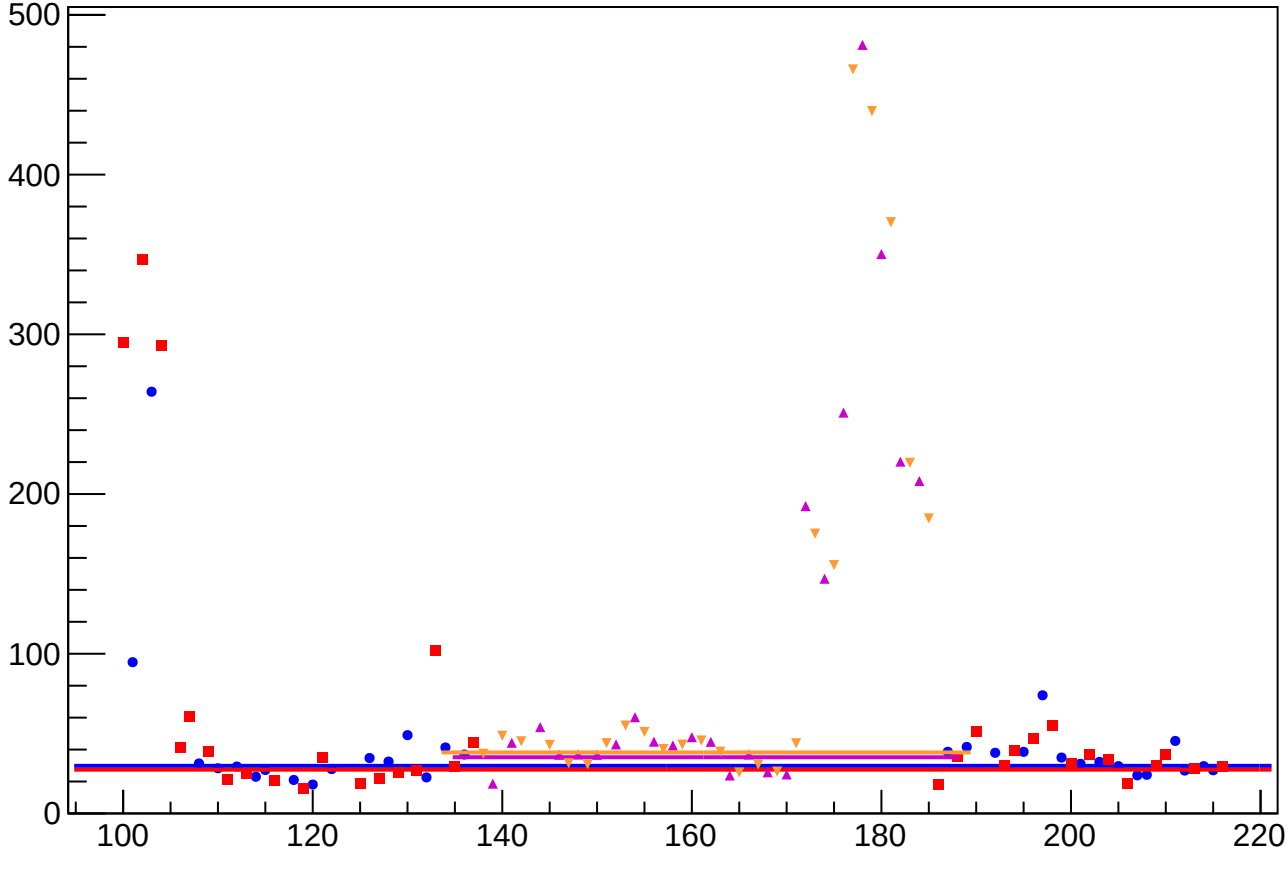
Right: 0.002+/-0.005 χ^2/NDF: 53.1/63

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.011+/-0.006 χ^2/NDF:63.5/56

All: 0.003+/-0.004 χ^2/NDF: 116.6/110

asym_us_dd_atlr_dd_dd_dit_vs_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: 27.416+/-0.005 χ^2/NDF: 4826827.0/32

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

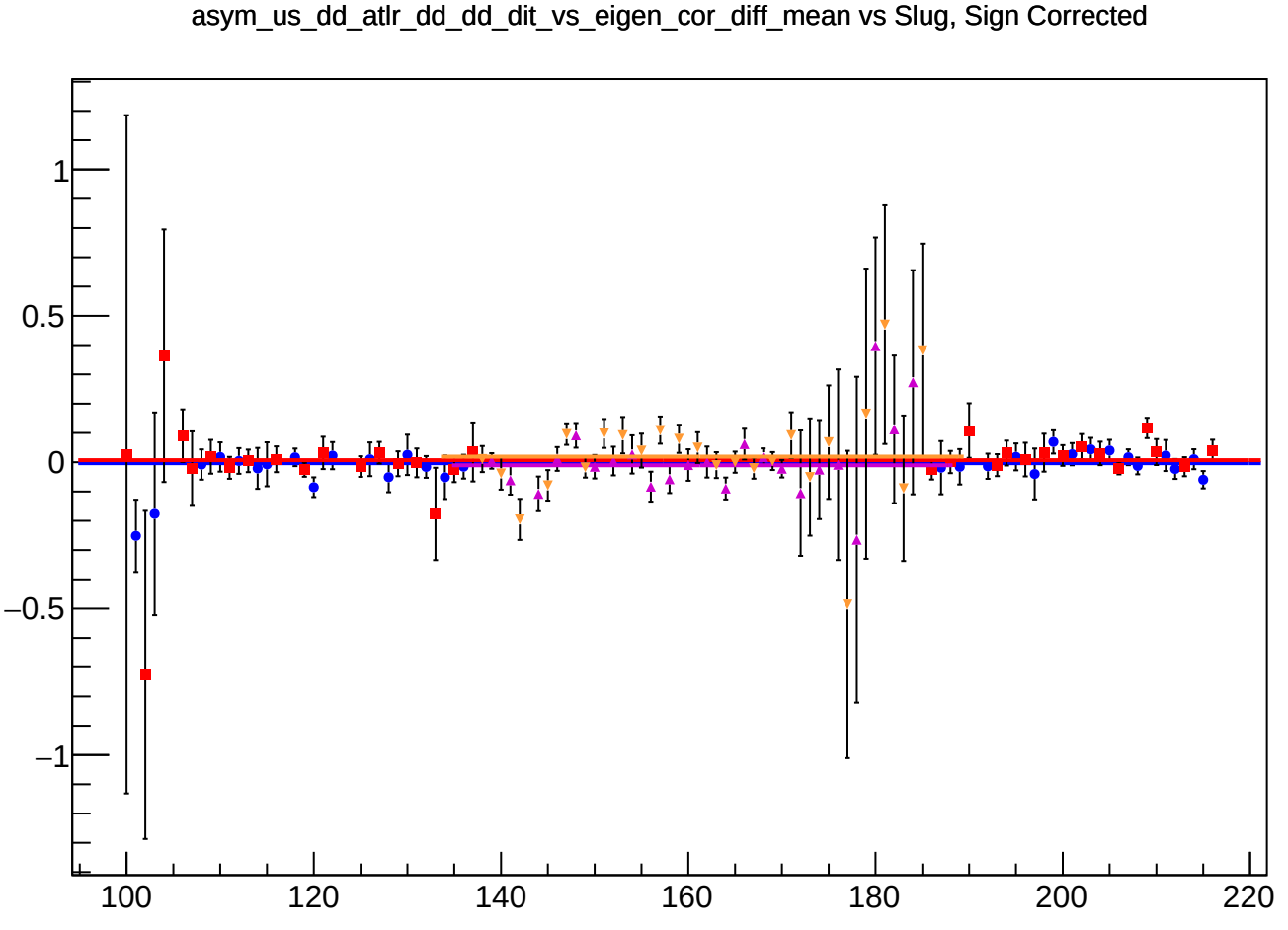
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.554+/-0.004 χ^2/NDF: 8380267.4/63

In: 31.762+/-0.004 χ^2/NDF:13195526.9/53

Out: 30.847+/-0.004 χ^2/NDF:14472961.2/56

All: 31.298+/-0.003 χ^2/NDF: 27690684.2/110



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: 0.007+/-0.007 χ^2/NDF: 26.7/32

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

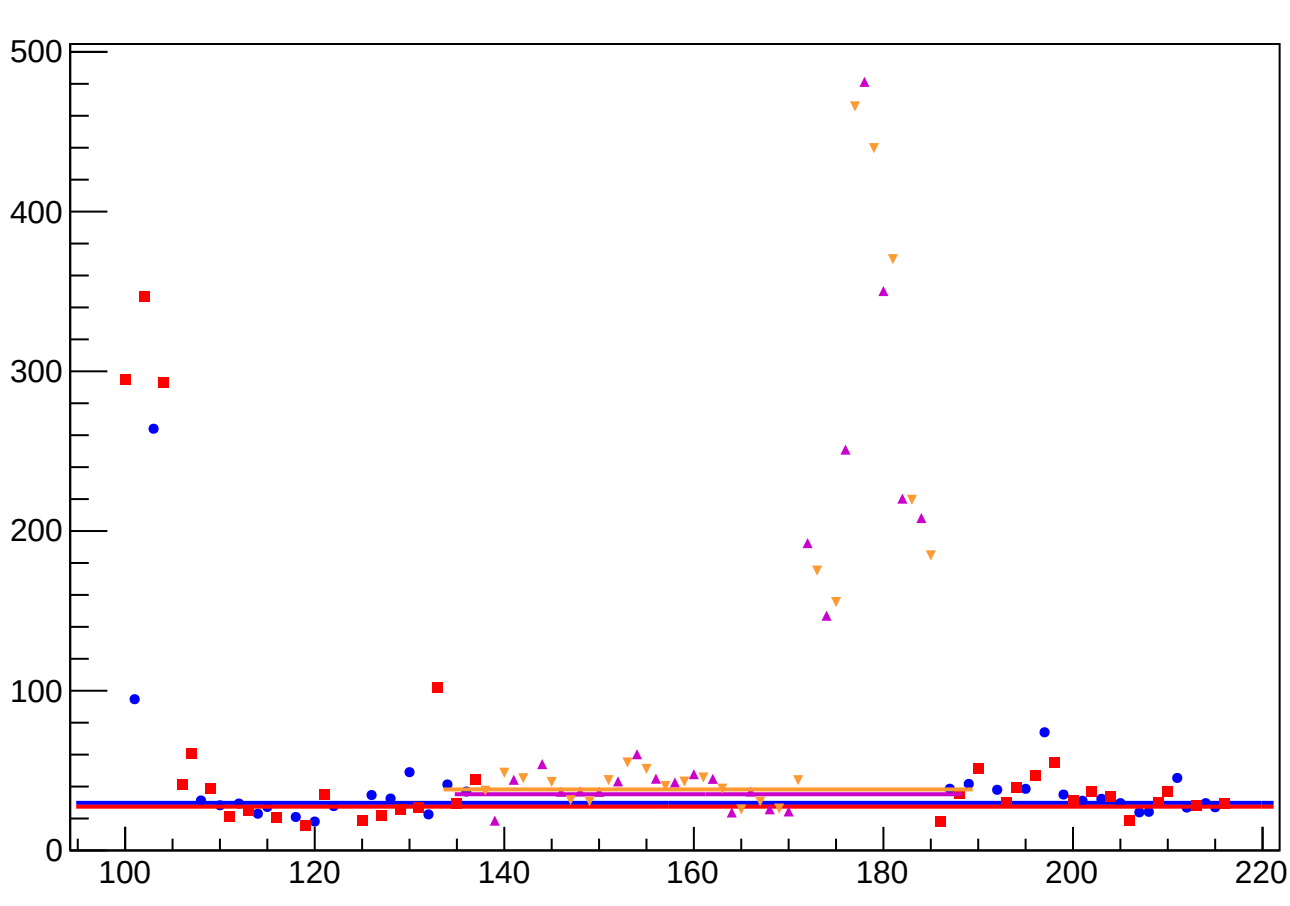
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.002+/-0.005 χ^2/NDF: 53.1/63

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.011+/-0.006 χ^2/NDF:63.5/56

All: 0.003+/-0.004 χ^2/NDF: 116.6/110



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: 27.416+/-0.005 χ^2/NDF: 4826827.0/32

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

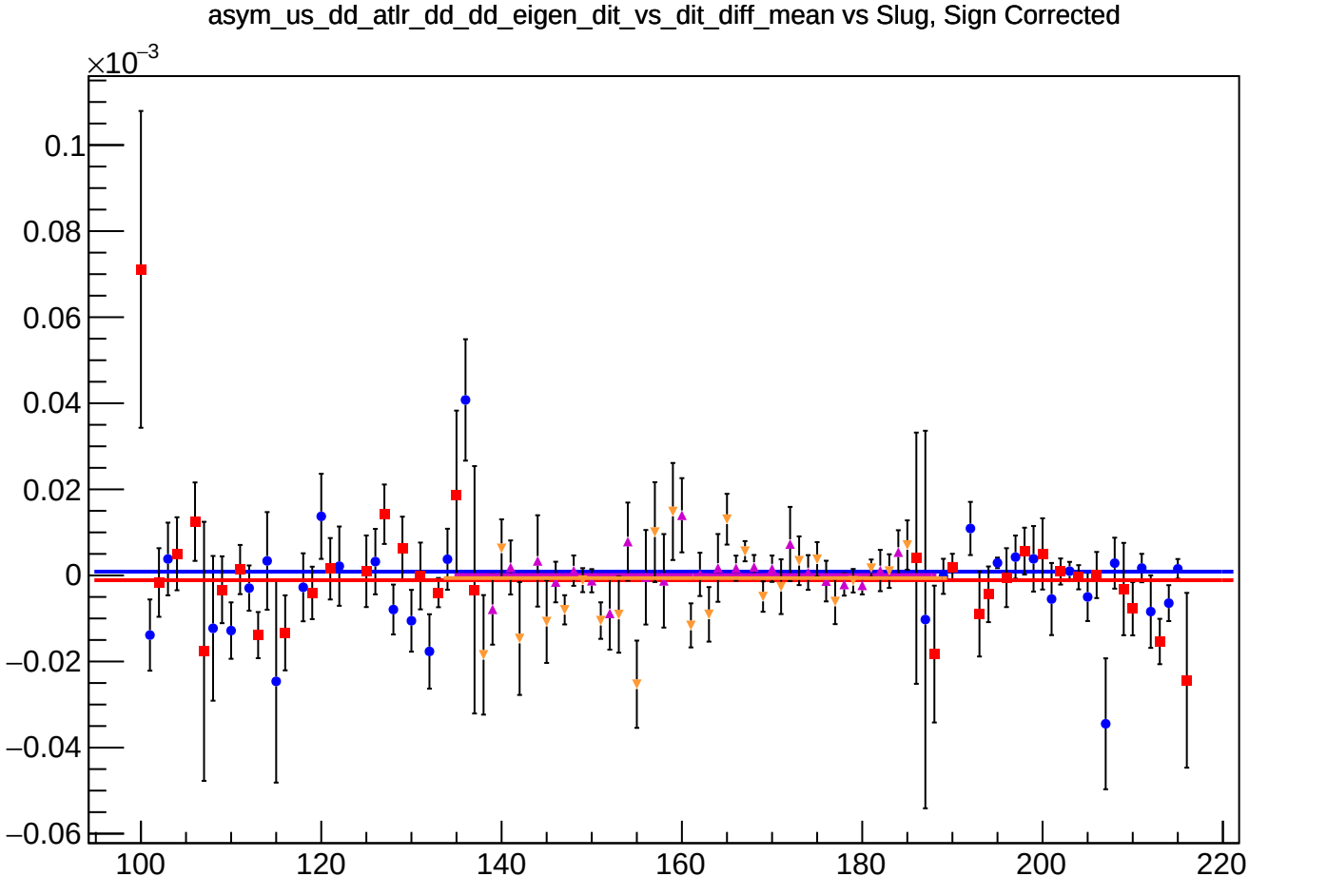
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.554+/-0.004 χ^2/NDF: 8380267.4/63

In: 31.762+/-0.004 χ^2/NDF:13195526.9/53

Out: 30.847+/-0.004 χ^2/NDF:14472961.2/56

All: 31.298+/-0.003 χ^2/NDF: 27690684.2/110



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: 38.5/32

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

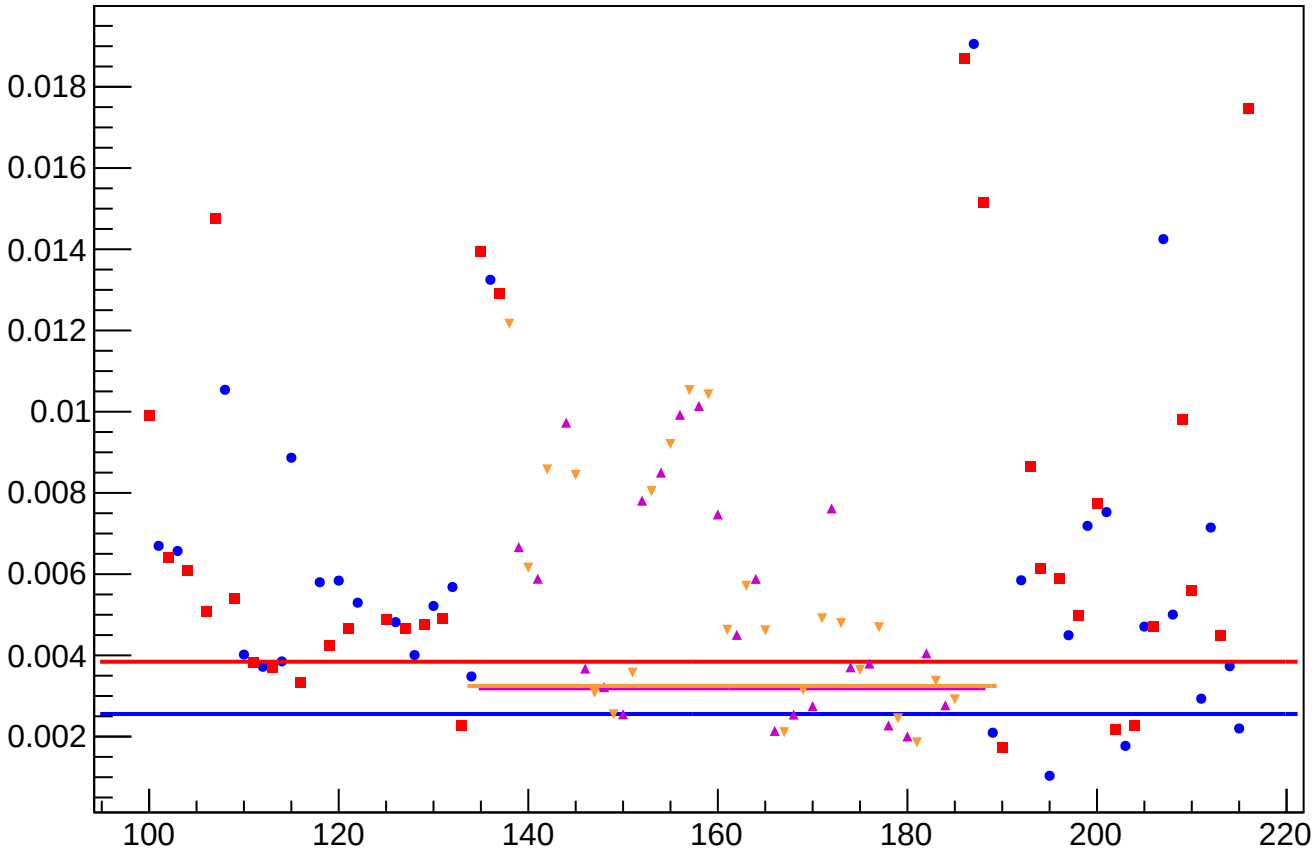
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 88.3/63

In: 0.000+/-0.000 χ^2/NDF:58.9/53

Out: -0.000+/-0.000 χ^2/NDF:89.8/56

All: -0.000+/-0.000 χ^2/NDF: 151.1/110



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: 8999811.6/32

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

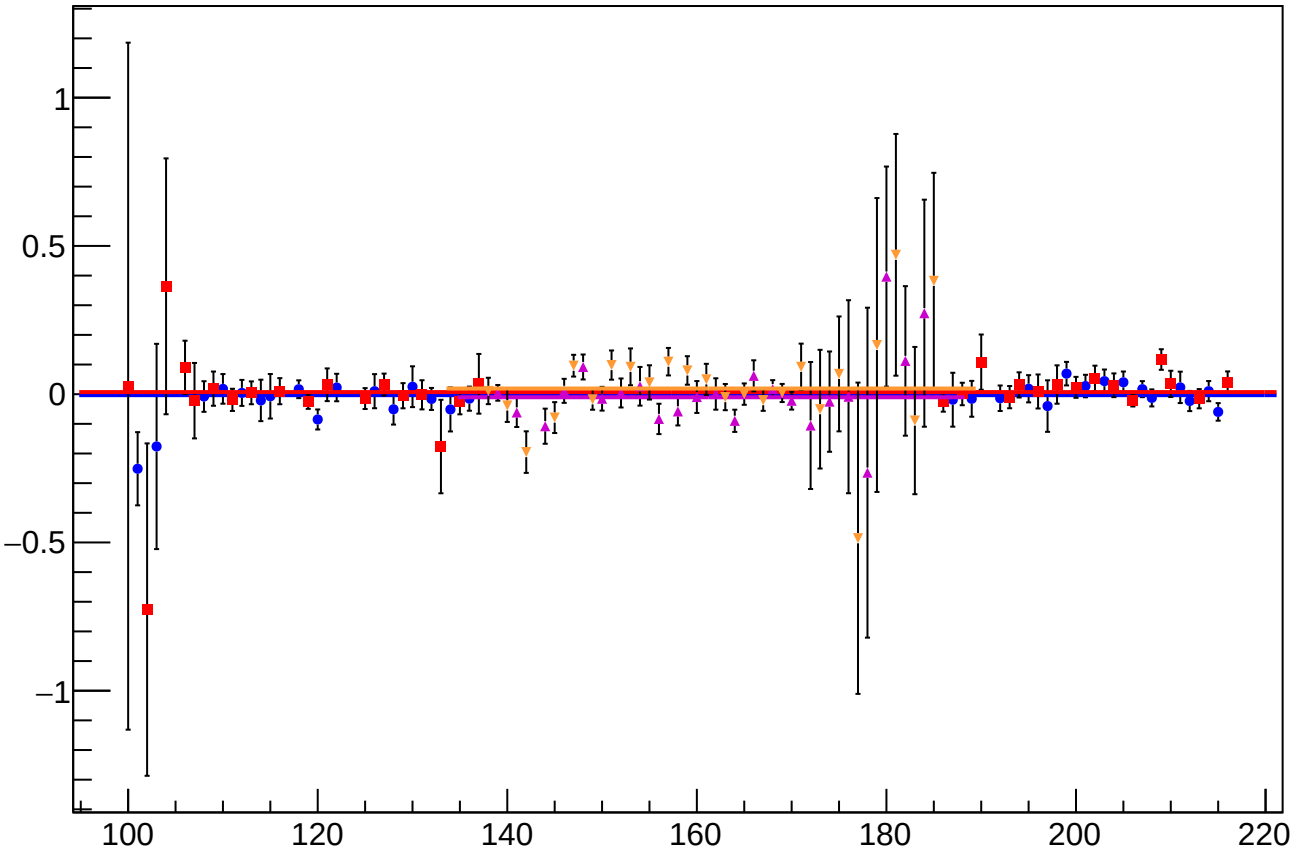
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 24126103.6/63

In: 0.003+/-0.000 χ^2/NDF:21070859.6/53

Out: 0.003+/-0.000 χ^2/NDF:17120433.5/56

All: 0.003+/-0.000 χ^2/NDF: 39292310.1/110



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: 0.007+/-0.007 χ^2/NDF: 26.7/32

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

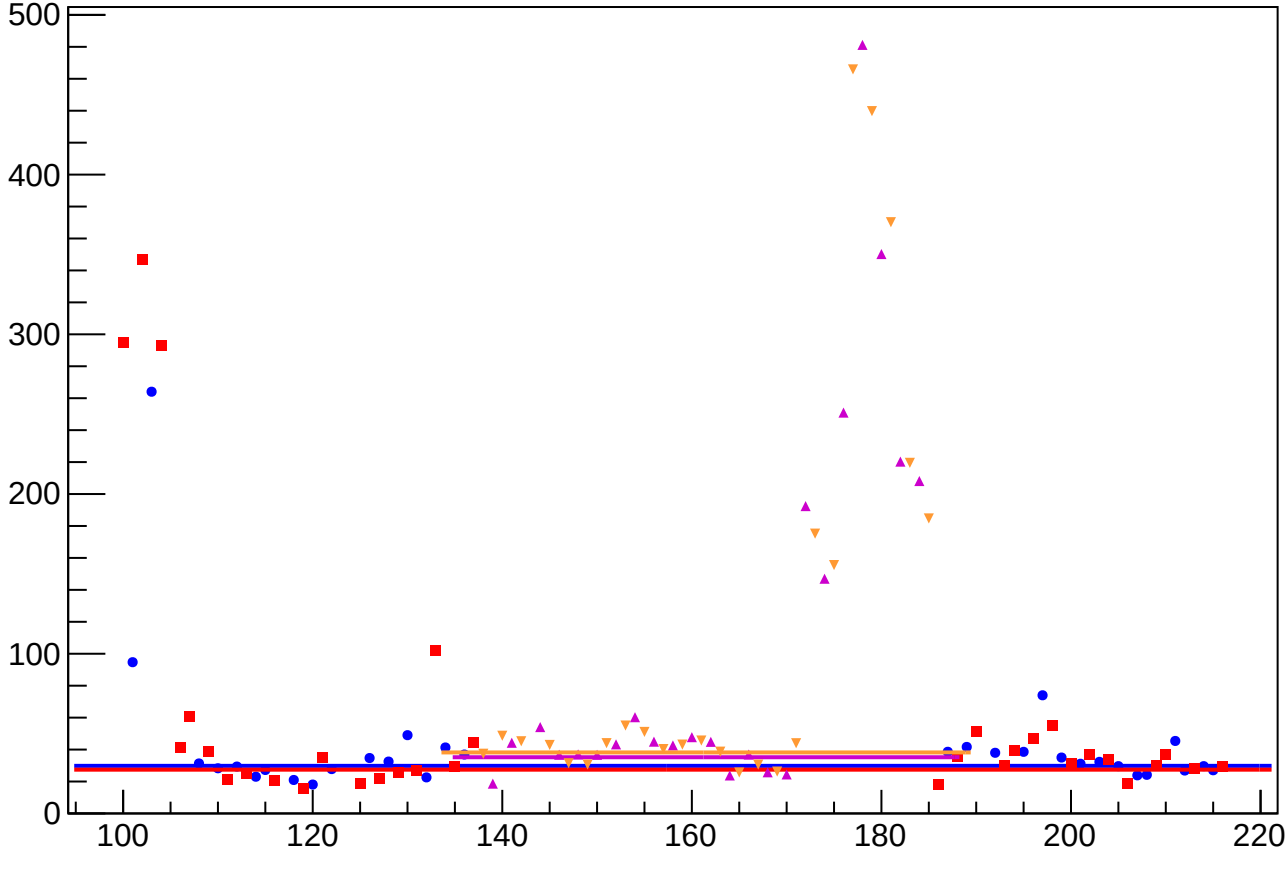
Right: 0.002+/-0.005 χ^2/NDF: 53.0/63

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.011+/-0.006 χ^2/NDF:63.5/56

All: 0.003+/-0.004 χ^2/NDF: 116.5/110

asym_us_dd_atlr_dd_dd_eigen_dit_vs_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: 27.415+/-0.005 χ^2/NDF: 4827082.9/32

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

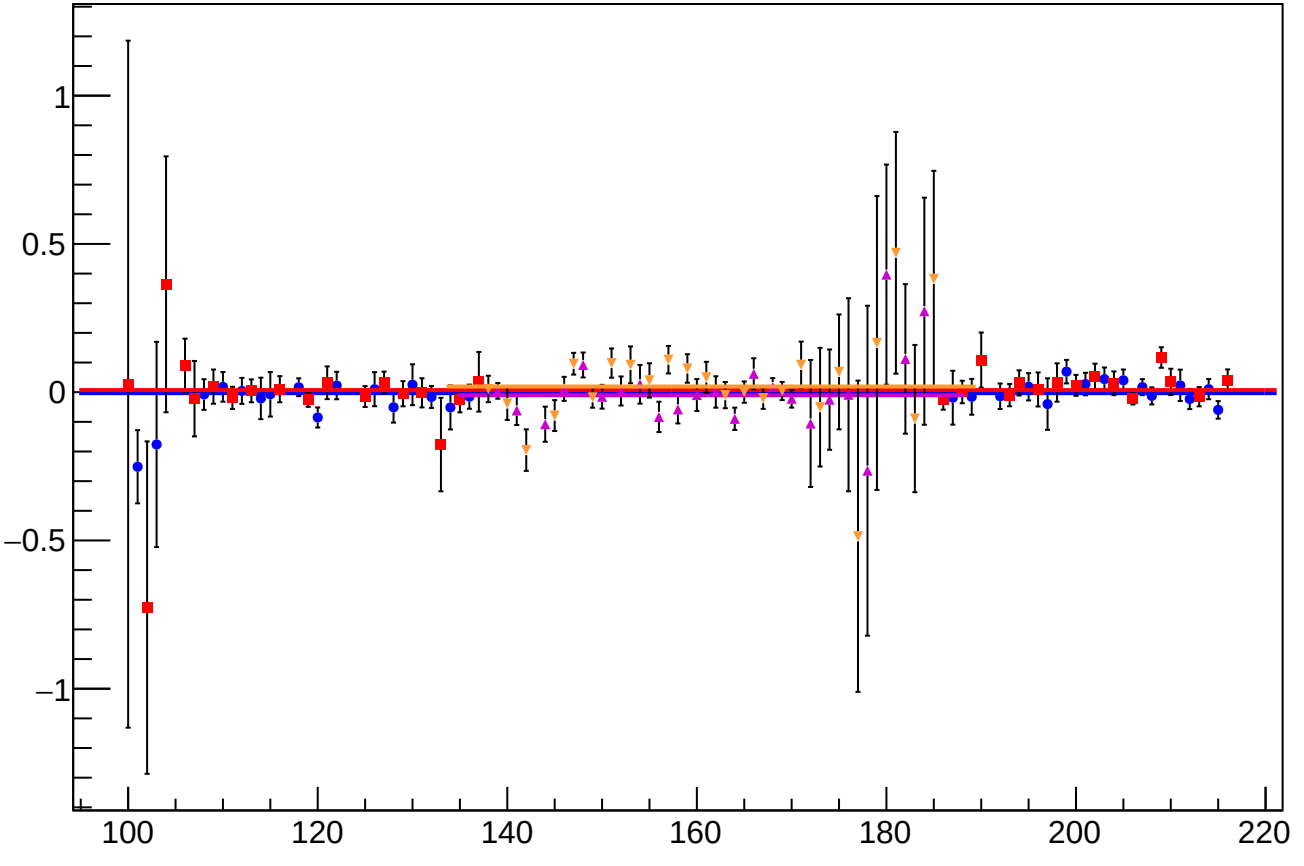
Right: 28.553+/-0.004 χ^2/NDF: 8380771.3/63

In: 31.761+/-0.004 χ^2/NDF:13196175.3/53

Out: 30.846+/-0.004 χ^2/NDF:14473721.7/56

All: 31.297+/-0.003 χ^2/NDF: 27692131.7/110

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: 0.007+/-0.007 χ^2/NDF: 26.7/32

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

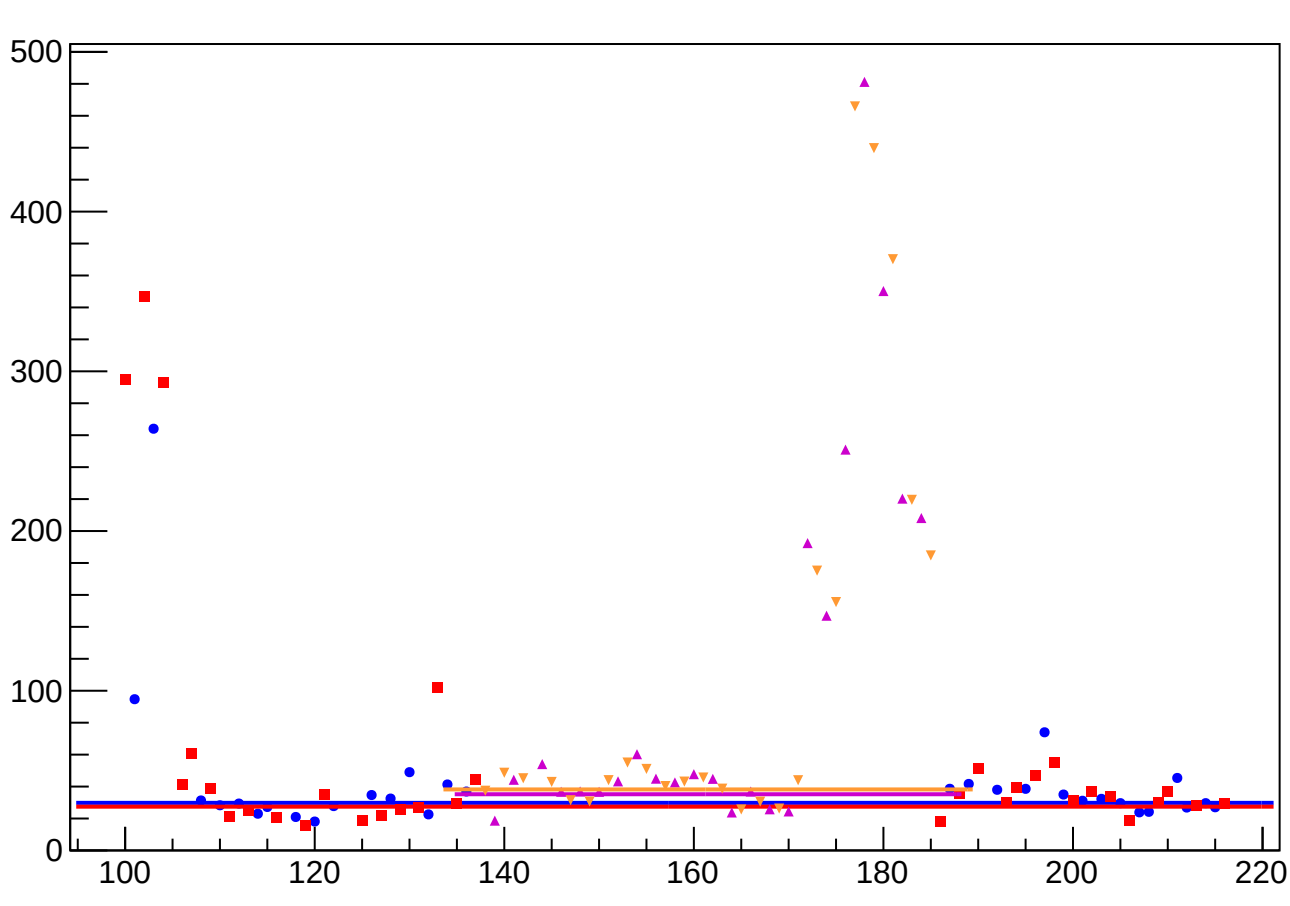
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.002+/-0.005 χ^2/NDF: 53.0/63

In: -0.006+/-0.006 χ^2/NDF:49.3/53

Out: 0.011+/-0.006 χ^2/NDF:63.5/56

All: 0.003+/-0.004 χ^2/NDF: 116.5/110



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: 27.415+/-0.005 χ^2/NDF: 4827082.9/32

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

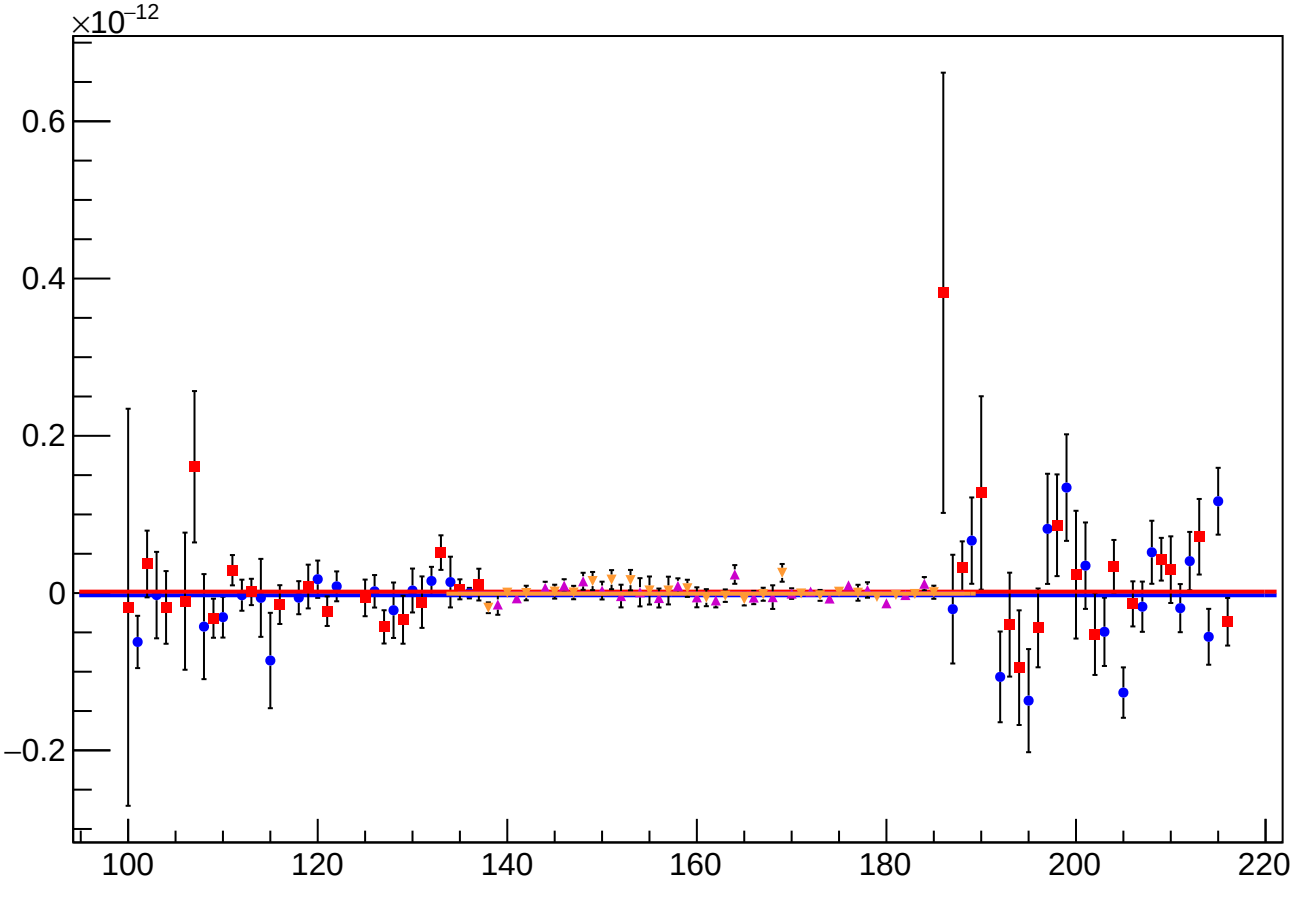
Right: 28.553+/-0.004 χ^2/NDF: 8380771.3/63

In: 31.761+/-0.004 χ^2/NDF:13196175.3/53

Out: 30.846+/-0.004 χ^2/NDF:14473721.7/56

All: 31.297+/-0.003 χ^2/NDF: 27692131.7/110

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: 38.5/32

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

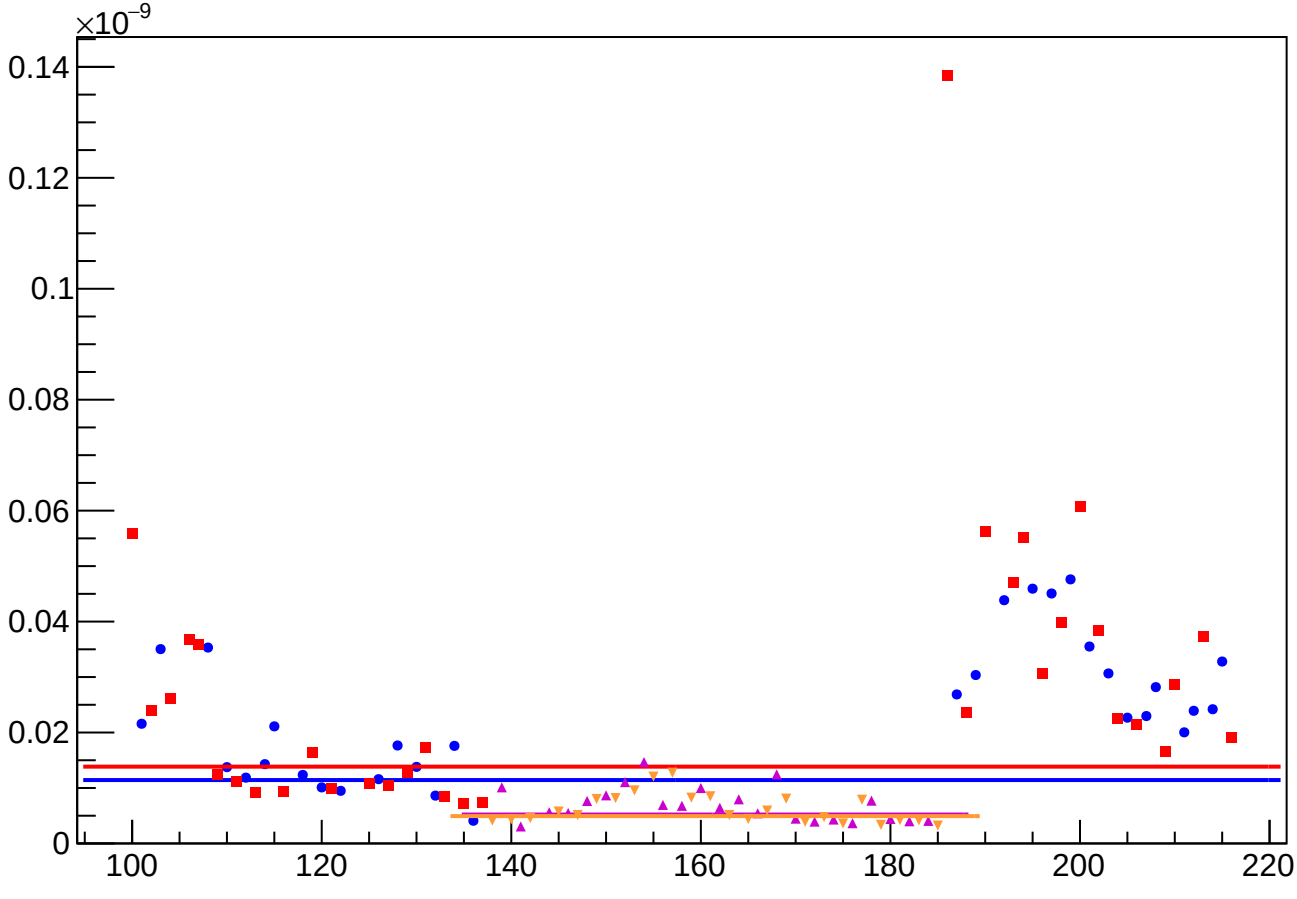
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 93.5/63

In: -0.000+/-0.000 χ^2/NDF:81.0/53

Out: -0.000+/-0.000 χ^2/NDF:59.9/56

All: -0.000+/-0.000 χ^2/NDF: 140.9/110



Right In: 0.000+/-0.000 χ^2/NDF: 8851284.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6590777.7/32

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

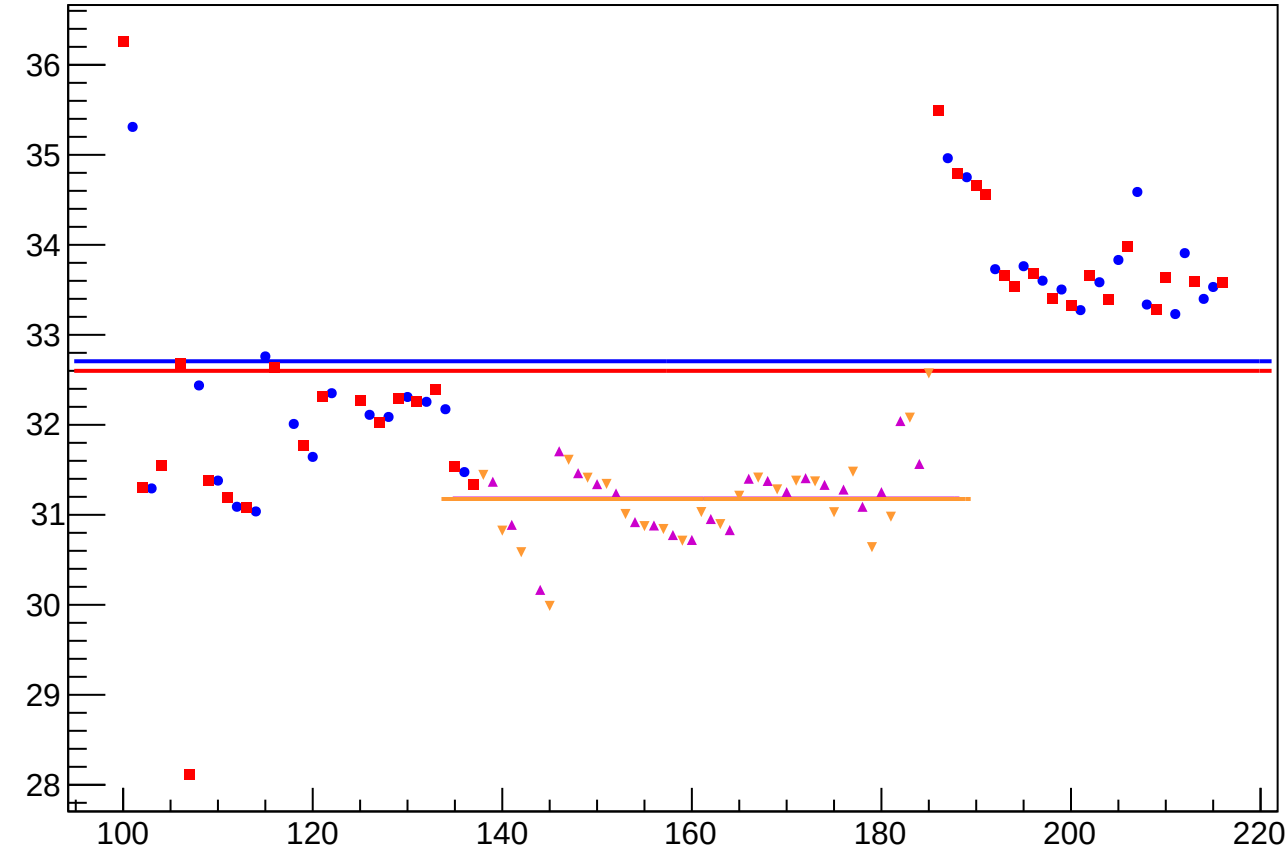
Right: 0.000+/-0.000 χ^2/NDF: 15705970.2/63

In: 0.000+/-0.000 χ^2/NDF:15810778.0/53

Out: 0.000+/-0.000 χ^2/NDF:14991368.1/56

All: 0.000+/-0.000 χ^2/NDF: 30829522.8/110

yield_usl_mean vs Slug, Sign Corrected



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: 32.600+/-0.000 χ^2/NDF: 2341619362.2/33

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

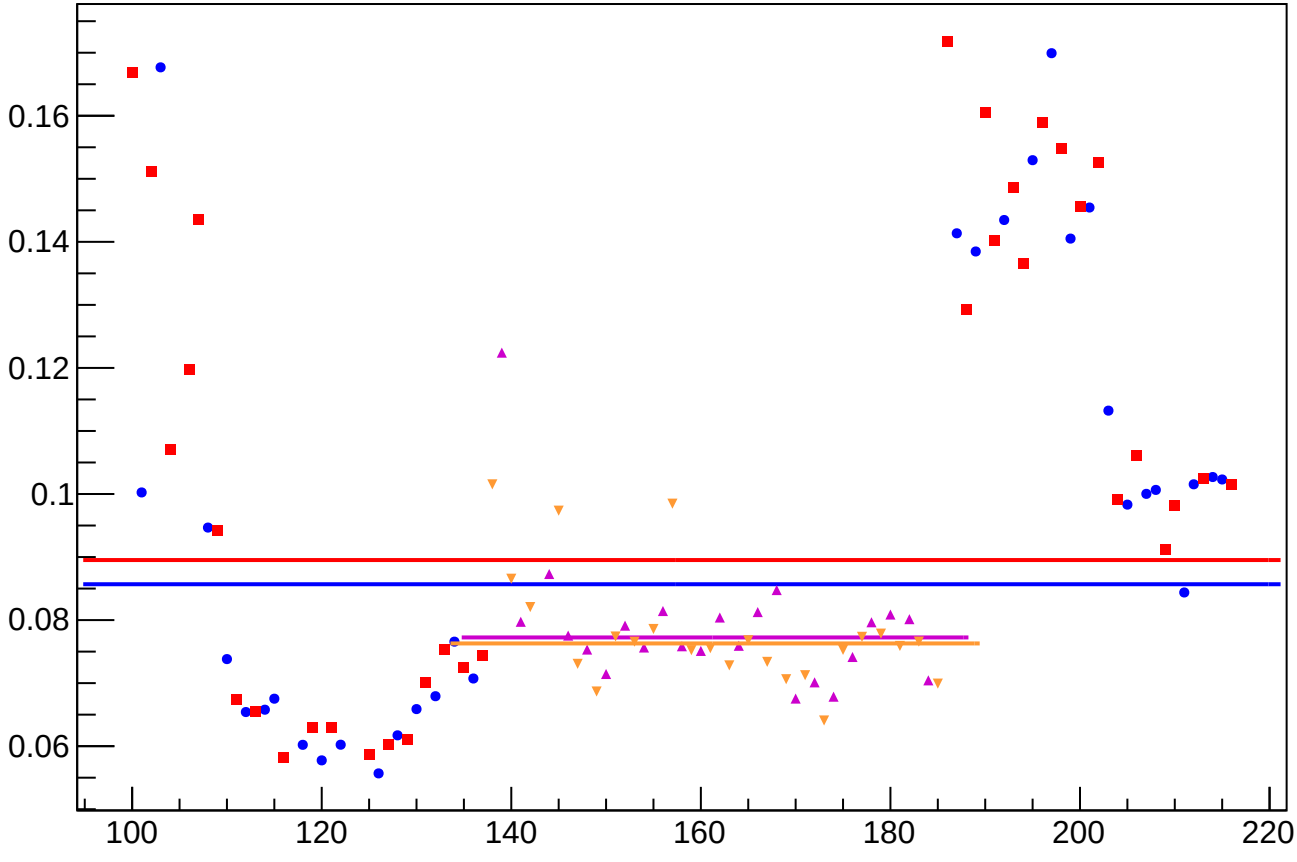
Right: 32.655+/-0.000 χ^2/NDF: 4871543607.8/64

In: 31.862+/-0.000 χ^2/NDF:5771704953.5/53

Out: 31.770+/-0.000 χ^2/NDF:5307557382.6/57

All: 31.816+/-0.000 χ^2/NDF: 11100051372.0

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: 0.090+/-0.000 χ^2/NDF: 4008936.4/33

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

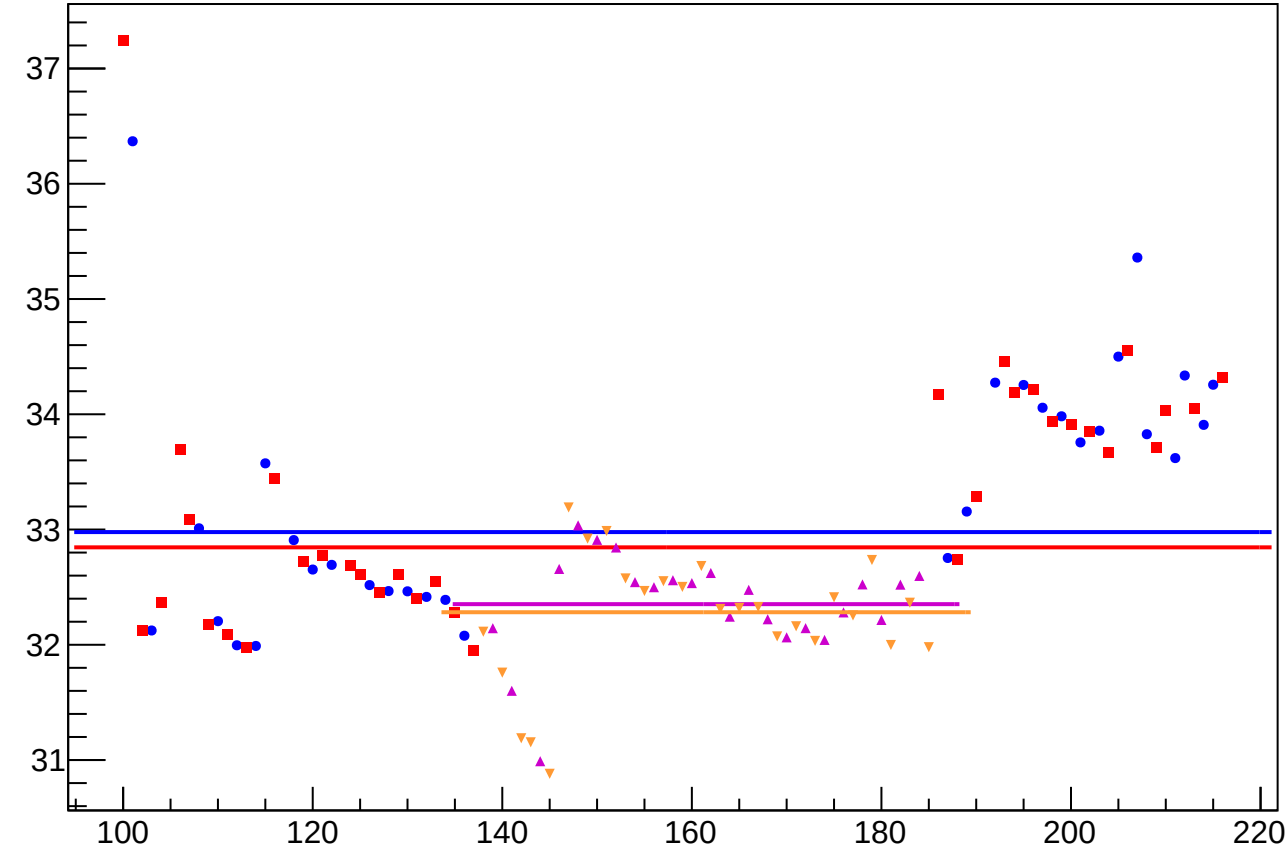
Right: 0.088+/-0.000 χ^2/NDF: 7635133.9/64

In: 0.081+/-0.000 χ^2/NDF:4136063.0/53

Out: 0.082+/-0.000 χ^2/NDF:4786154.9/57

All: 0.081+/-0.000 χ^2/NDF: 8925425.4/111

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.978+/-0.000 χ^2/NDF: 1249547260.8/30

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.845+/-0.000 χ^2/NDF: 659295746.5/33

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

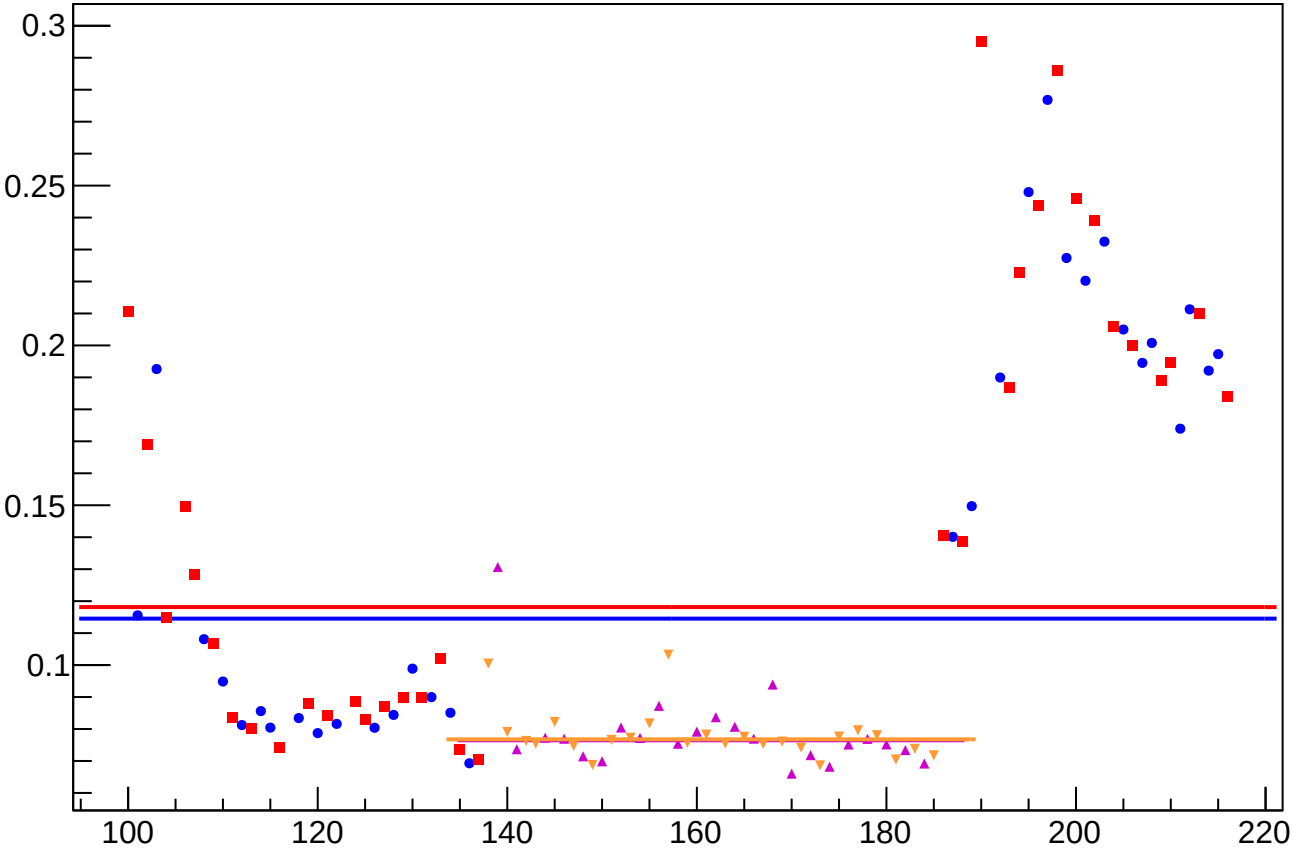
Right: 32.913+/-0.000 χ^2/NDF: 1918506133.7/64

In: 32.528+/-0.000 χ^2/NDF:2155118731.7/53

Out: 32.431+/-0.000 χ^2/NDF:1750050954.3/58

All: 32.479+/-0.000 χ^2/NDF: 3923953579.0/1

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: 0.118+/-0.000 χ^2/NDF: 6222392.3/33

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

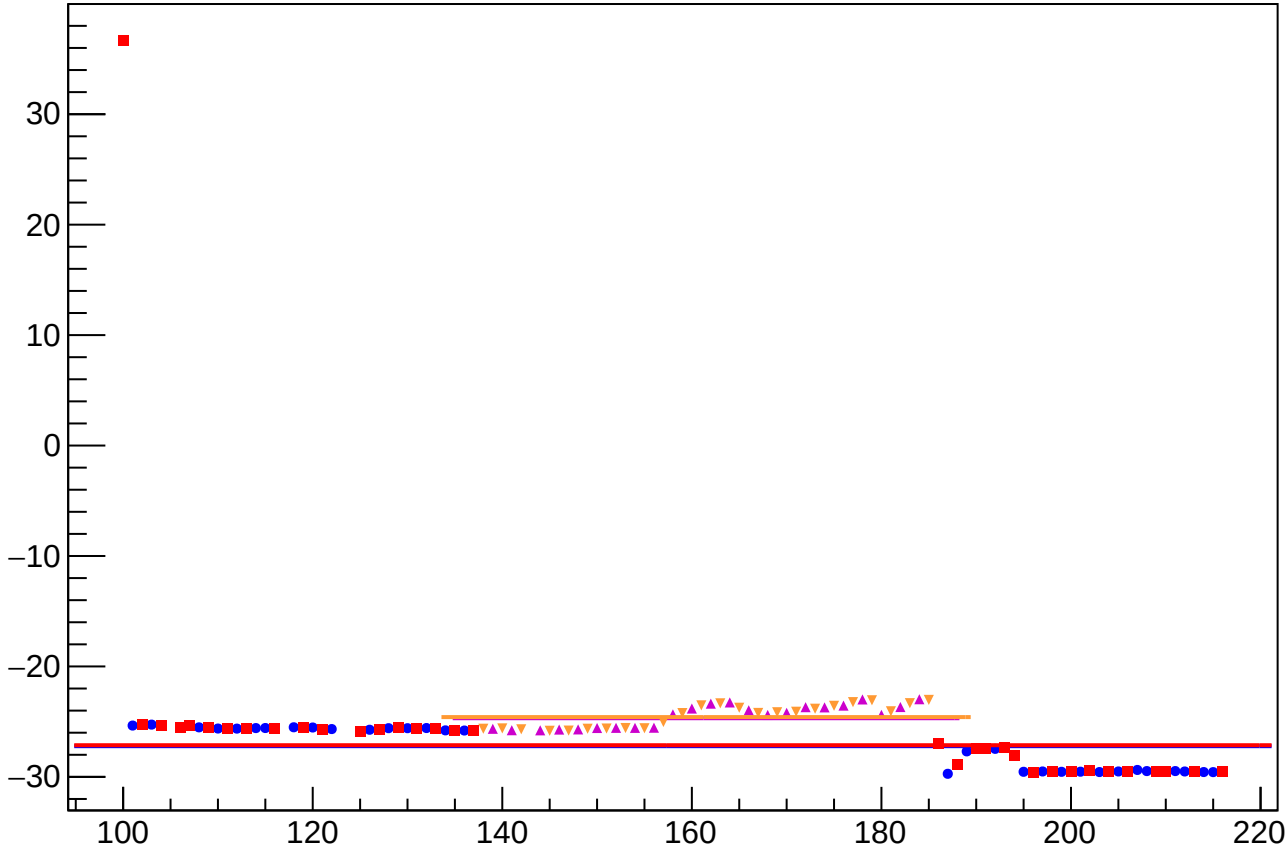
Right: 0.116+/-0.000 χ^2/NDF: 12778308.3/64

In: 0.087+/-0.000 χ^2/NDF:9363251.7/53

Out: 0.088+/-0.000 χ^2/NDF:9193002.9/58

All: 0.087+/-0.000 χ^2/NDF: 18557619.9/112

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: -27.133+/-0.000 χ^2/NDF: 33839900446.8/33

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

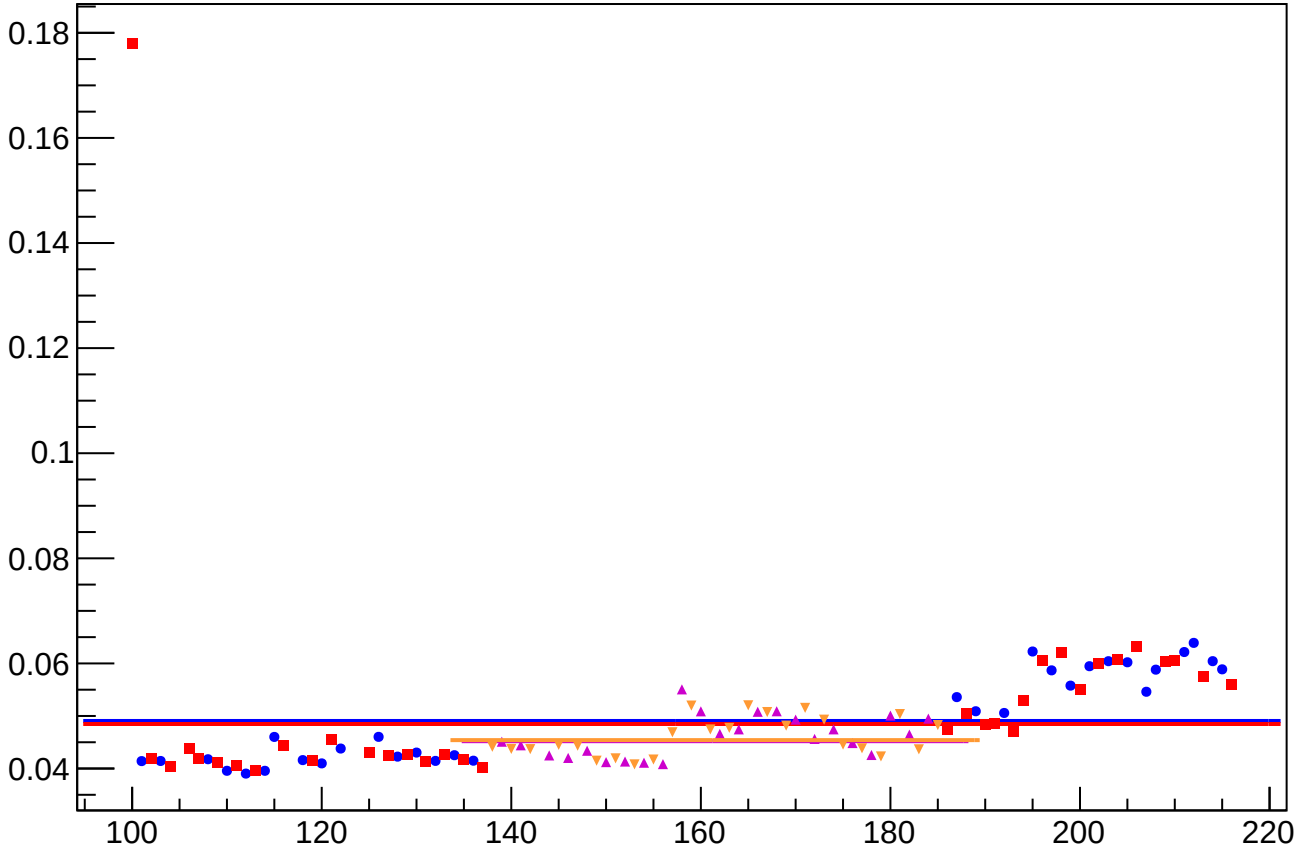
Right: -27.176+/-0.000 χ^2/NDF: 60185427024.0/64

In: -25.863+/-0.000 χ^2/NDF:61042065597.2/53

Out: -25.796+/-0.000 χ^2/NDF:69892546360.0/57

All: -25.829+/-0.000 χ^2/NDF: 130971596486

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: 1061277.1/33

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

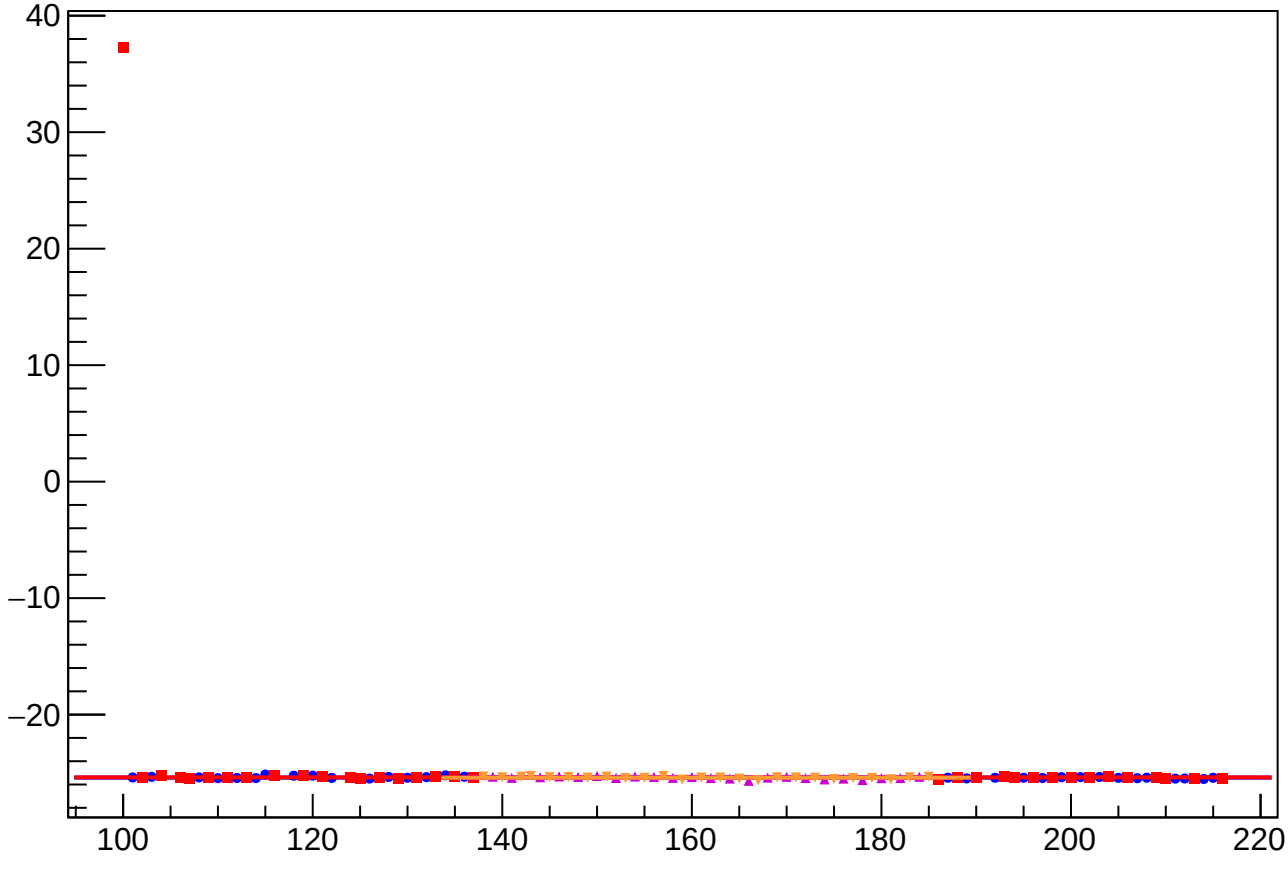
Right: 0.049+/-0.000 χ^2/NDF: 2157774.1/64

In: 0.047+/-0.000 χ^2/NDF:1458172.0/53

Out: 0.047+/-0.000 χ^2/NDF:1344967.8/57

All: 0.047+/-0.000 χ^2/NDF: 2803398.3/111

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: -25.387+/-0.000 χ^2/NDF: 6347012961.4/33

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

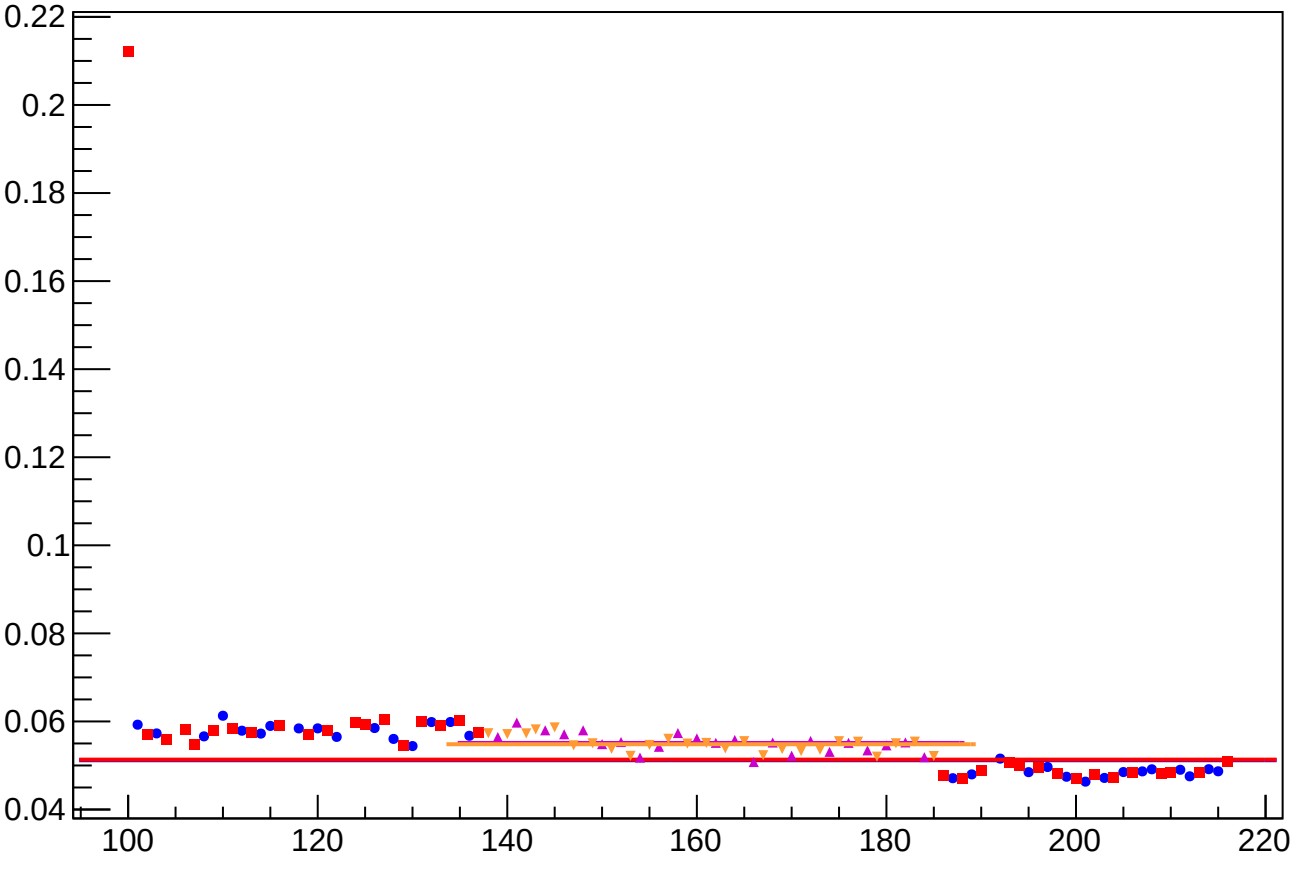
Right: -25.398+/-0.000 χ^2/NDF: 6380494923.5/64

In: -25.411+/-0.000 χ^2/NDF:87788386.1/53

Out: -25.401+/-0.000 χ^2/NDF:6402092441.6/58

All: -25.406+/-0.000 χ^2/NDF: 6490565535.6/

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: 375758.6/33

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

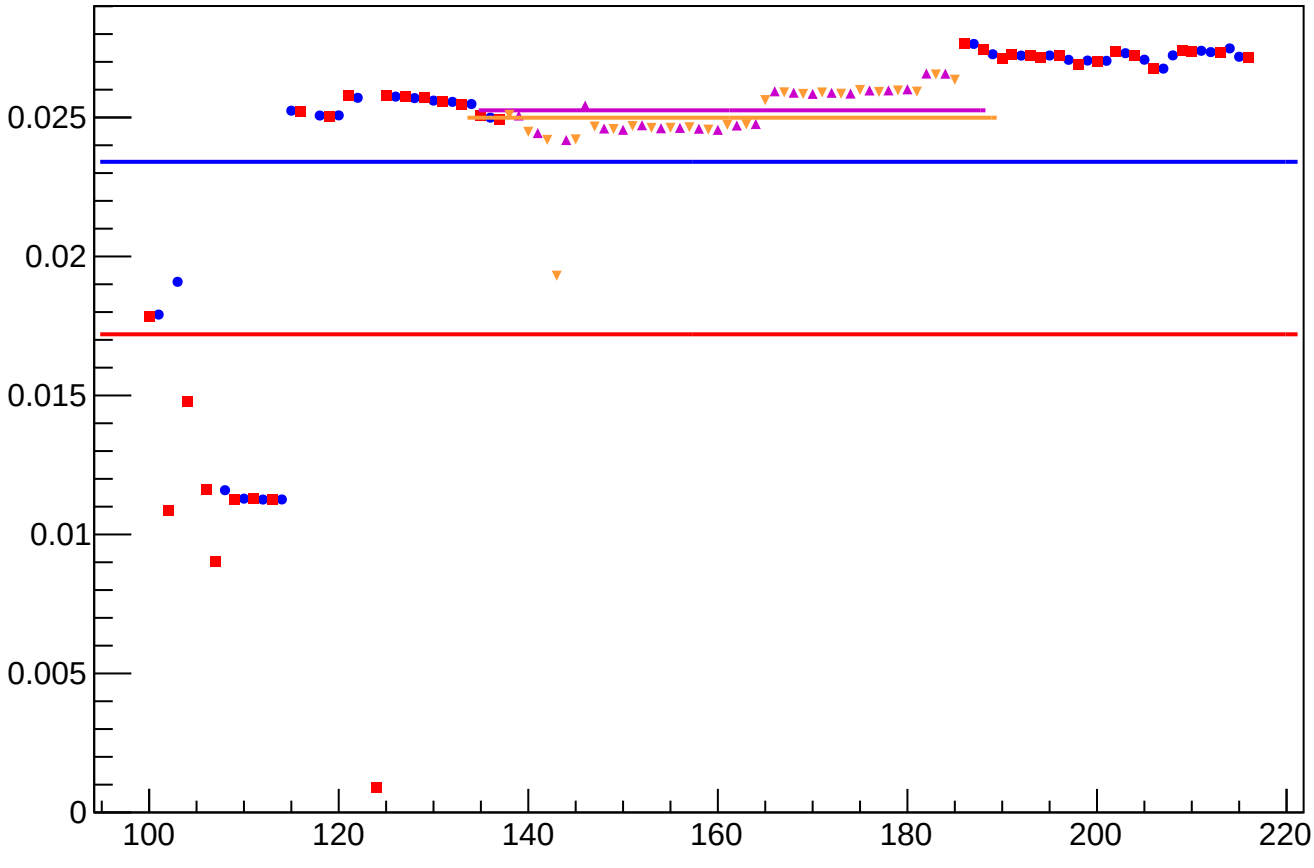
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.051+/-0.000 χ^2/NDF: 654446.8/64

In: 0.053+/-0.000 χ^2/NDF:428414.3/53

Out: 0.053+/-0.000 χ^2/NDF:495276.6/58

All: 0.053+/-0.000 χ^2/NDF: 923691.6/112



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: 483269185940.7/34

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

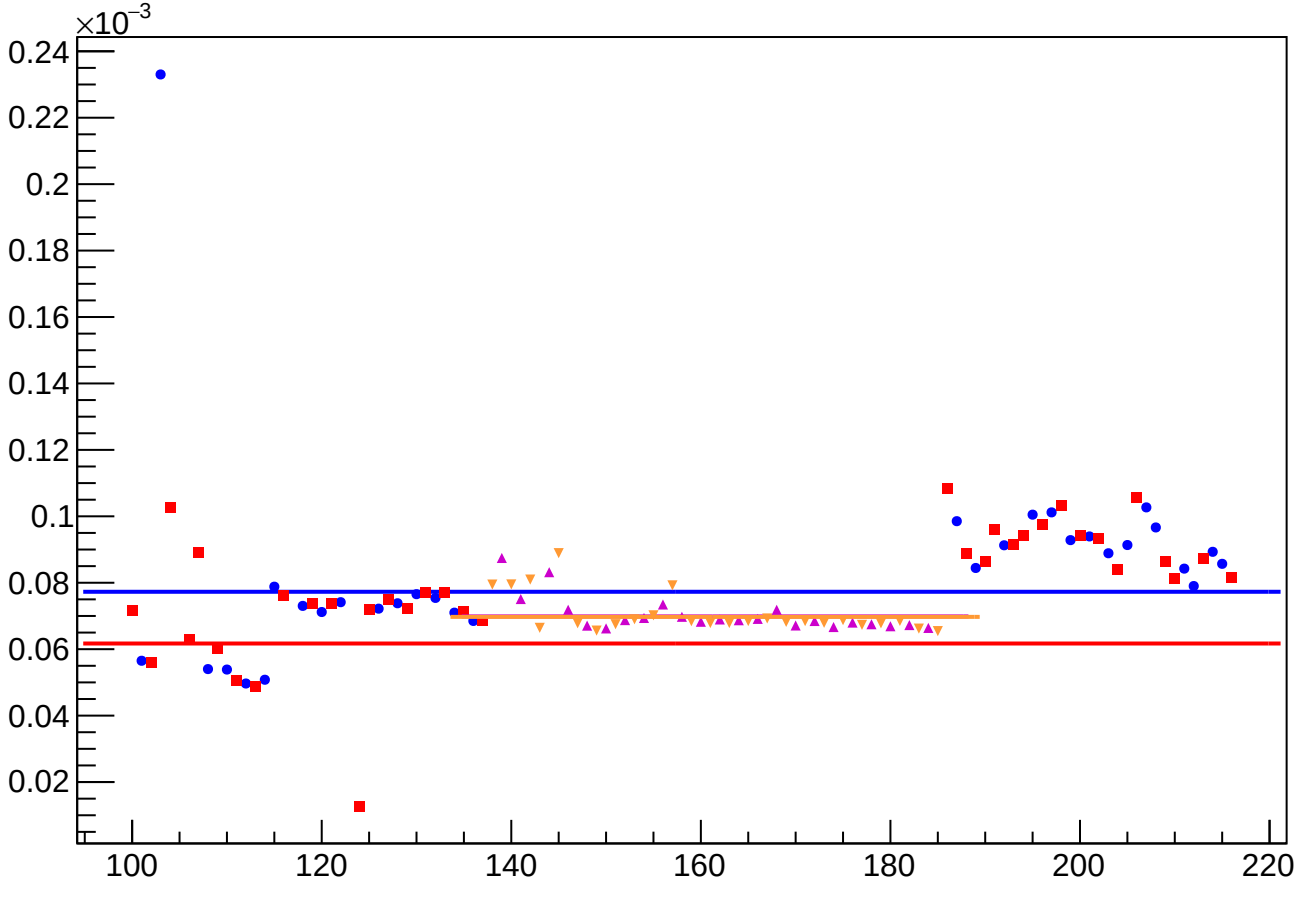
Right: 0.020+/-0.000 χ^2/NDF: 650637647016.4/65

In: 0.024+/-0.000 χ^2/NDF:109397127400.4/53

Out: 0.021+/-0.000 χ^2/NDF:610488724606.6/59

All: 0.023+/-0.000 χ^2/NDF: 760836571167.9

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1948342.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7834196.5/34

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

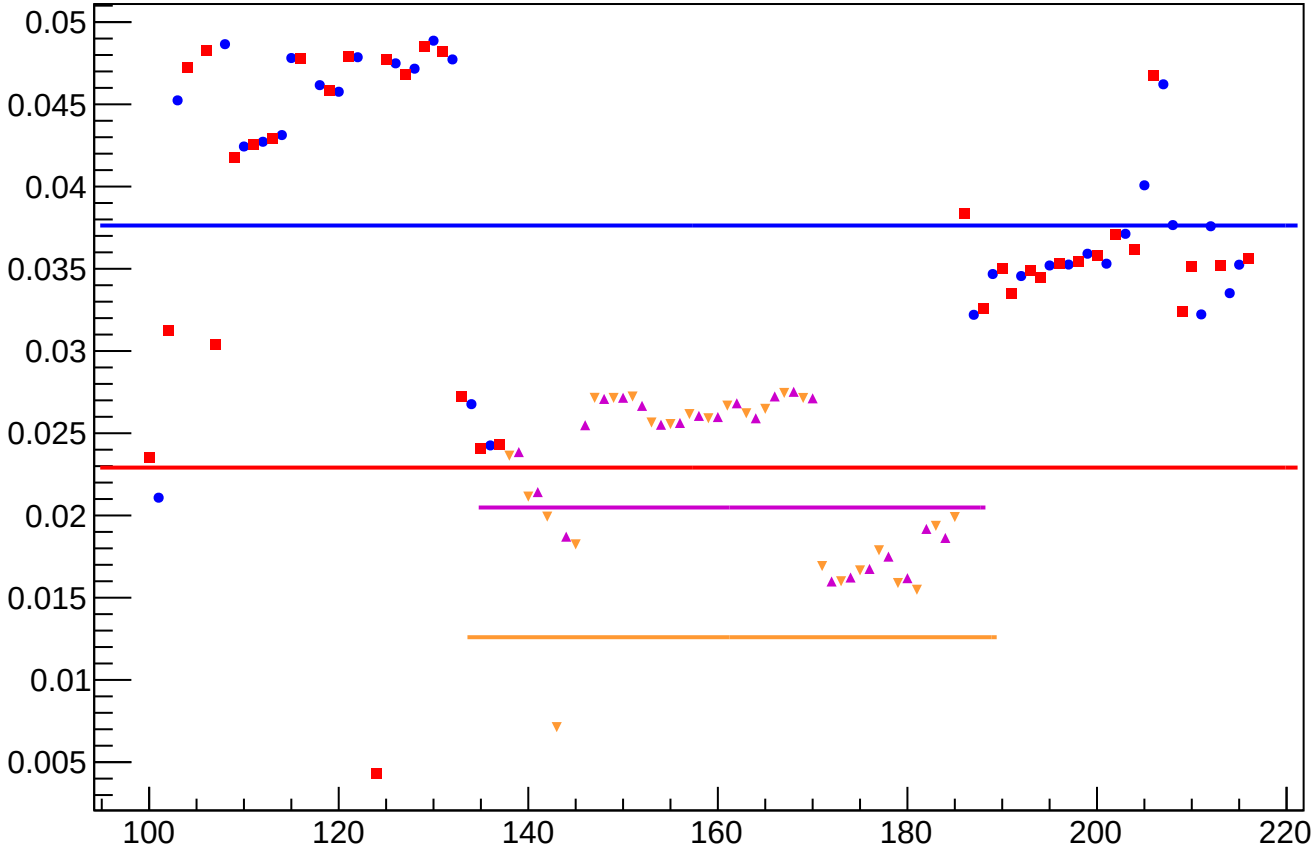
Right: 0.000+/-0.000 χ^2/NDF: 10607898.2/65

In: 0.000+/-0.000 χ^2/NDF:2281735.2/53

Out: 0.000+/-0.000 χ^2/NDF:8275216.9/59

All: 0.000+/-0.000 χ^2/NDF: 10963059.5/113

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: 47816799049.2/34

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

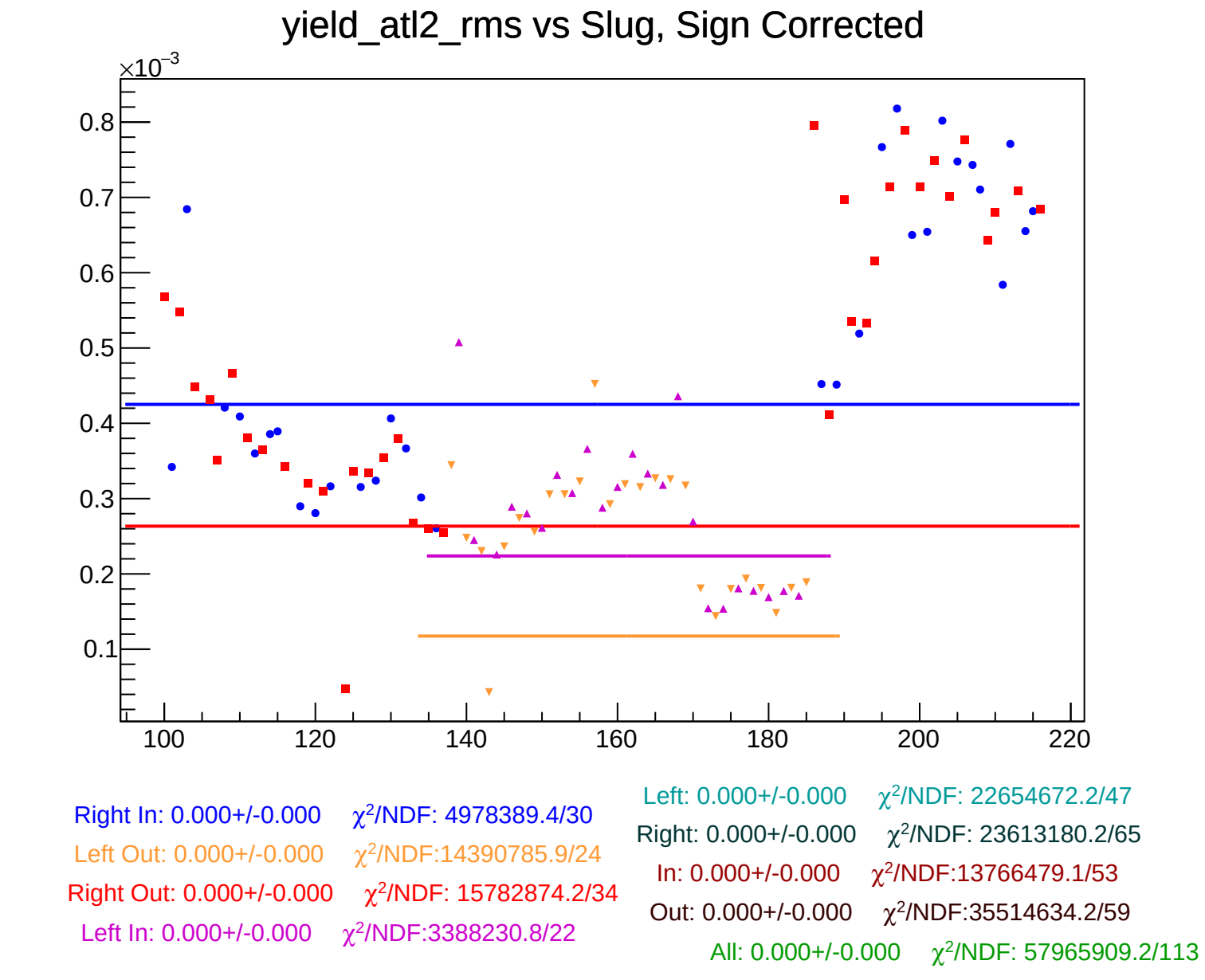
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 67076356675.8/65

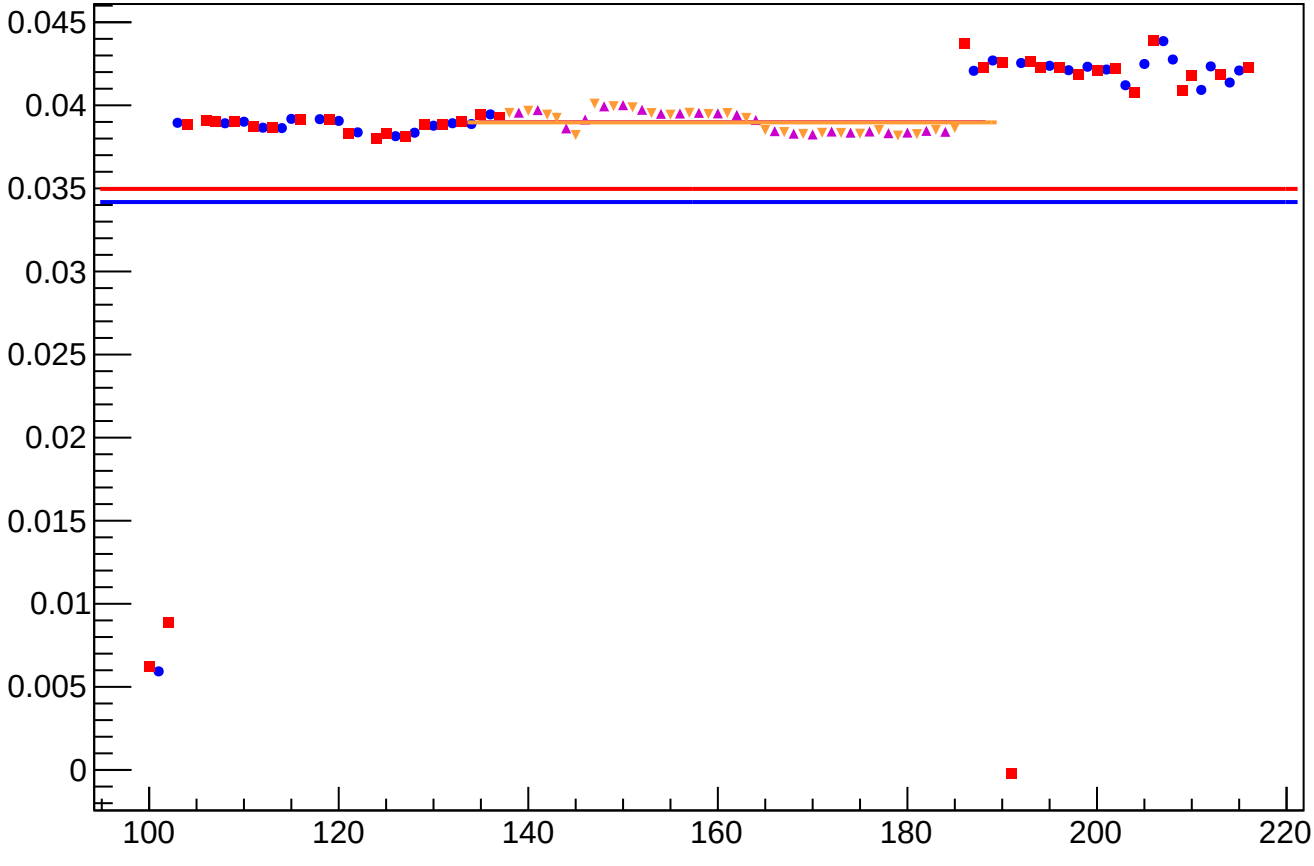
In: 0.024+/-0.000 χ^2/NDF:33136387594.0/53

Out: 0.014+/-0.000 χ^2/NDF:98488815941.2/59

All: 0.017+/-0.000 χ^2/NDF: 158500885234.9


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: 15782874.2/34
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: 23613180.2/65
In: 0.000+/-0.000 χ²/NDF:13766479.1/53
Out: 0.000+/-0.000 χ²/NDF:35514634.2/59
All: 0.000+/-0.000 χ²/NDF: 57965909.2/113

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: 122505073572.5/34

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

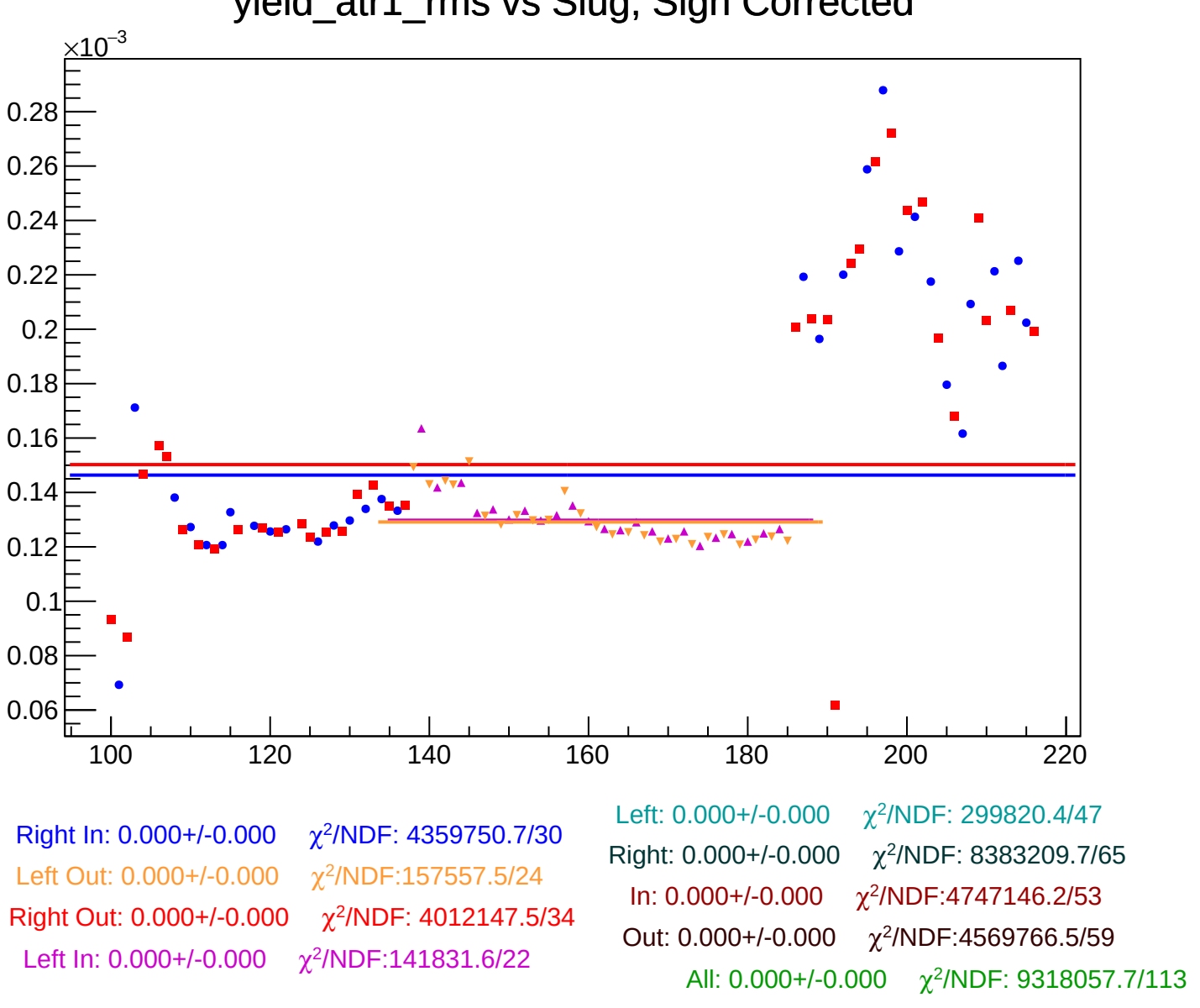
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.035+/-0.000 χ^2/NDF: 257563243628.6/65

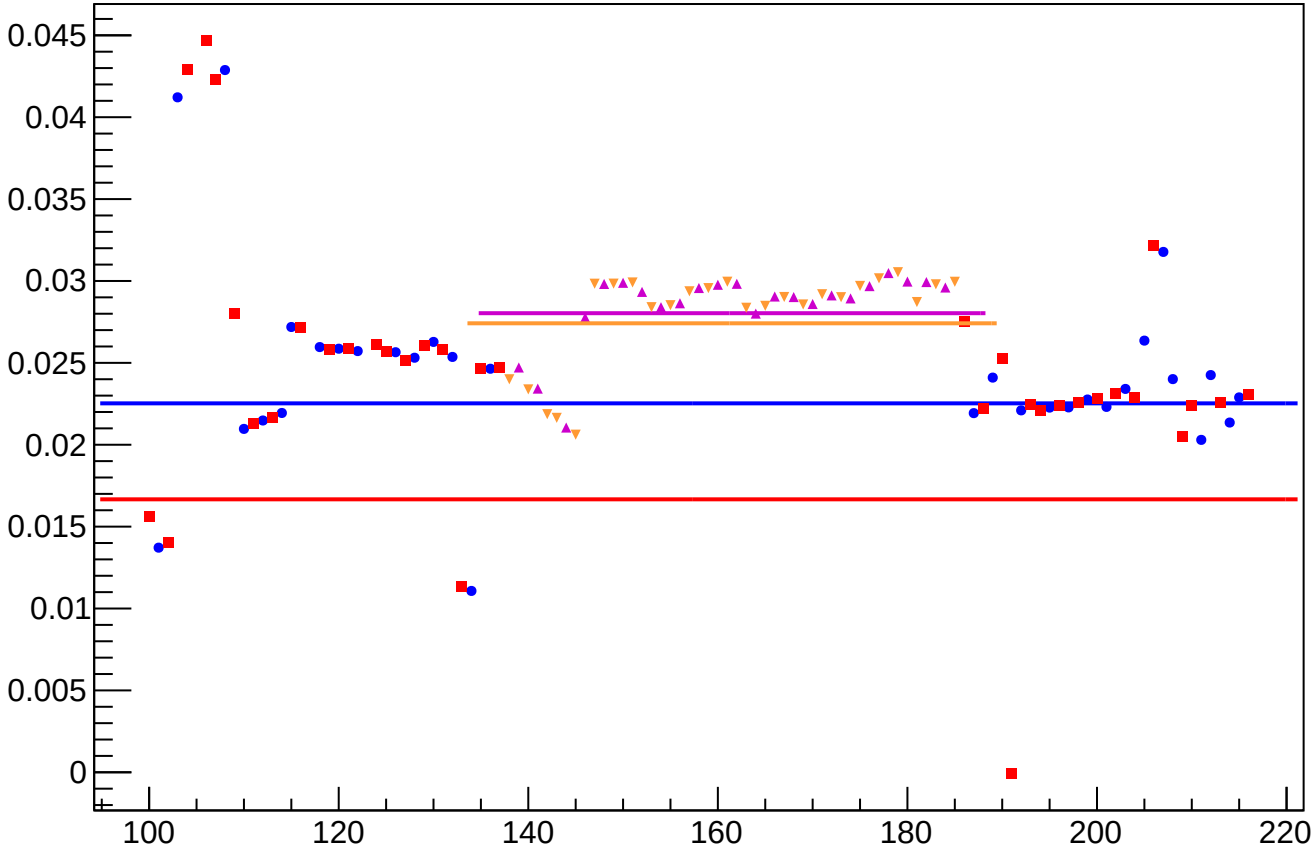
In: 0.037+/-0.000 χ^2/NDF:145574639950.5/53

Out: 0.037+/-0.000 χ^2/NDF:130188814284.0/59

All: 0.037+/-0.000 χ^2/NDF: 275918751046.0


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: 4012147.5/34
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: 8383209.7/65
In: 0.000+/-0.000 χ²/NDF:4747146.2/53
Out: 0.000+/-0.000 χ²/NDF:4569766.5/59
All: 0.000+/-0.000 χ²/NDF: 9318057.7/113

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: 25893879389.8/34

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

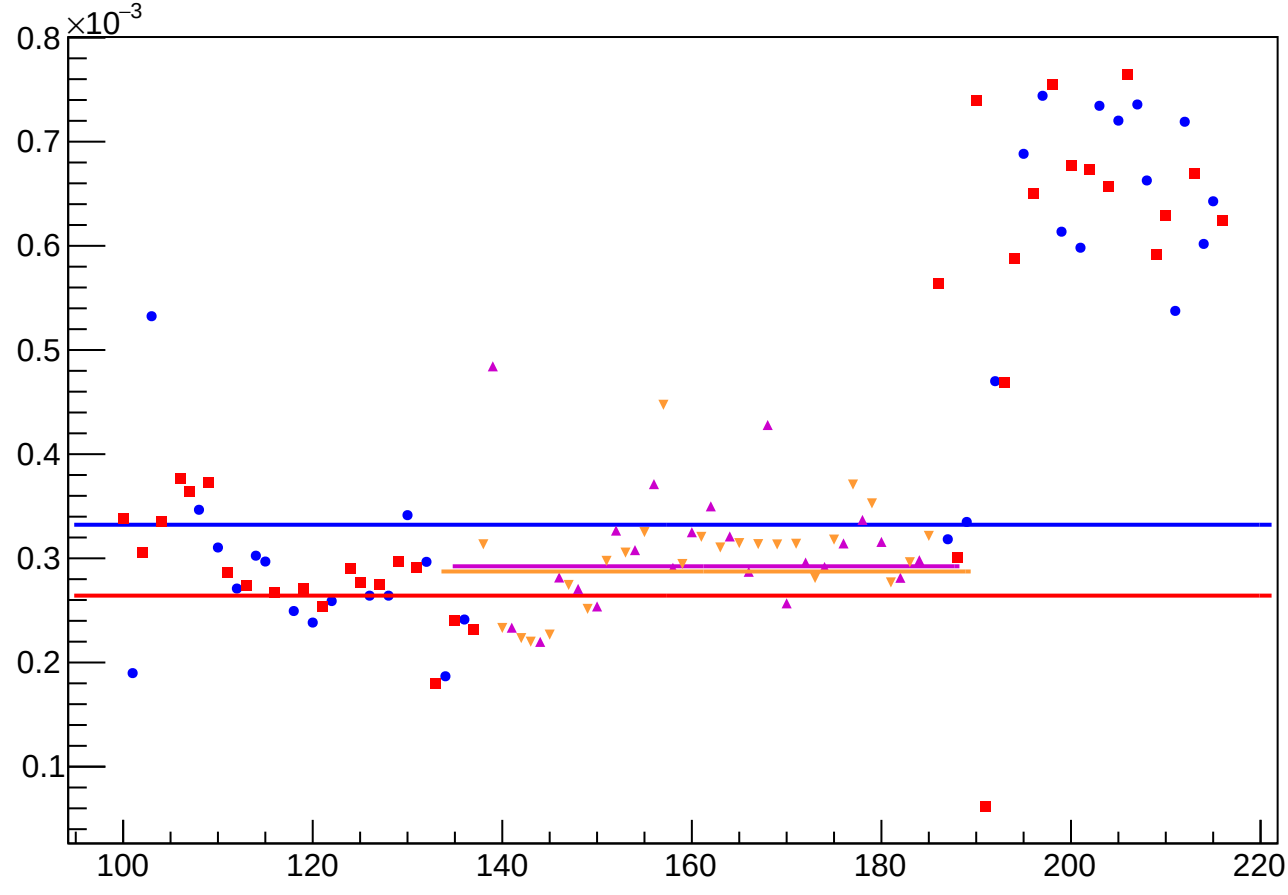
Right: 0.019+/-0.000 χ^2/NDF: 33673515592.8/65

In: 0.026+/-0.000 χ^2/NDF:9058782524.1/53

Out: 0.022+/-0.000 χ^2/NDF:39112096545.8/59

All: 0.024+/-0.000 χ^2/NDF: 50102463387.5/1

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: 11913986.7/34

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

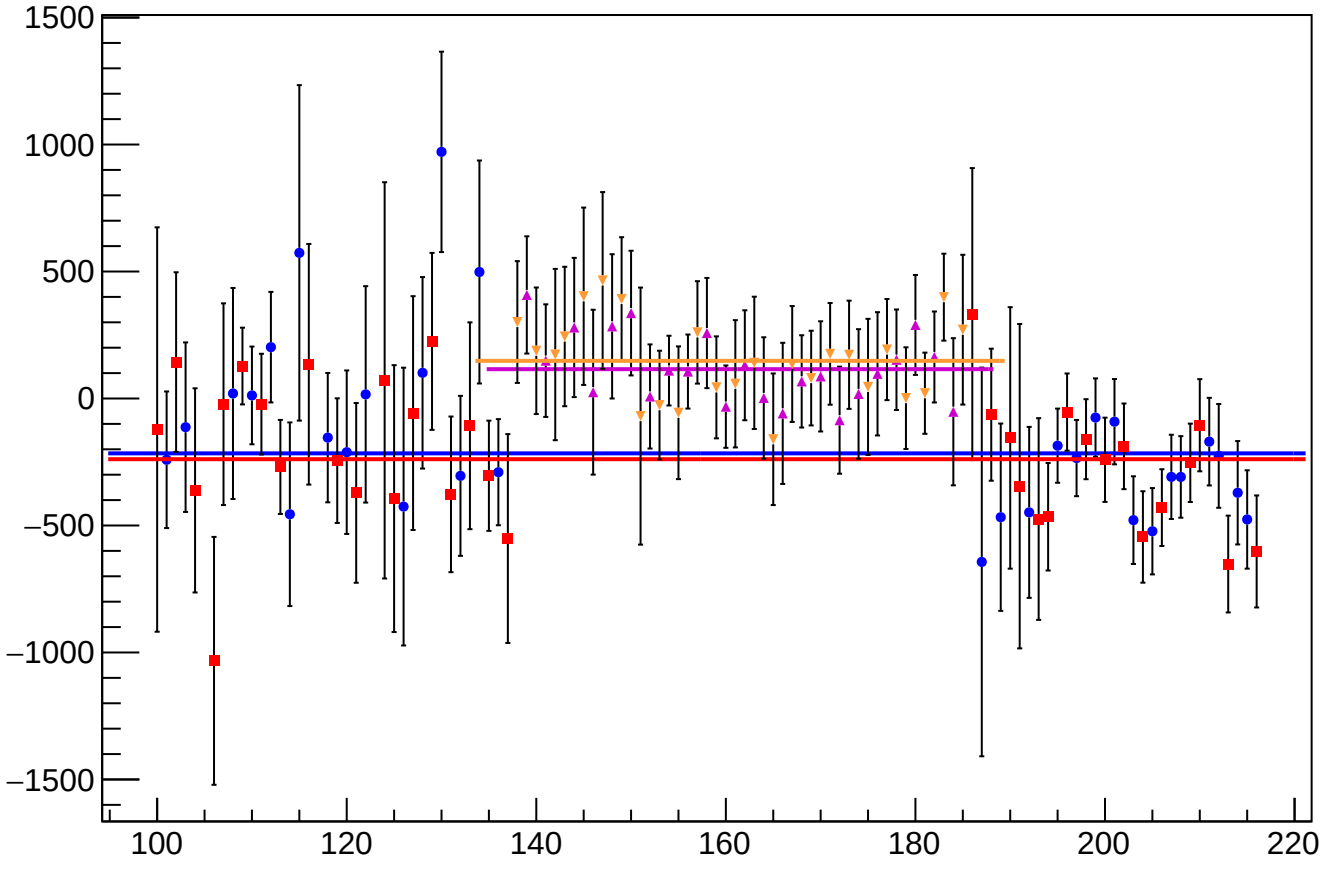
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19588761.0/65

In: 0.000+/-0.000 χ^2/NDF:8200225.1/53

Out: 0.000+/-0.000 χ^2/NDF:12837613.3/59

All: 0.000+/-0.000 χ^2/NDF: 21389819.3/113



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: -238.965+/-40.199 χ^2/NDF: 32.5/34

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

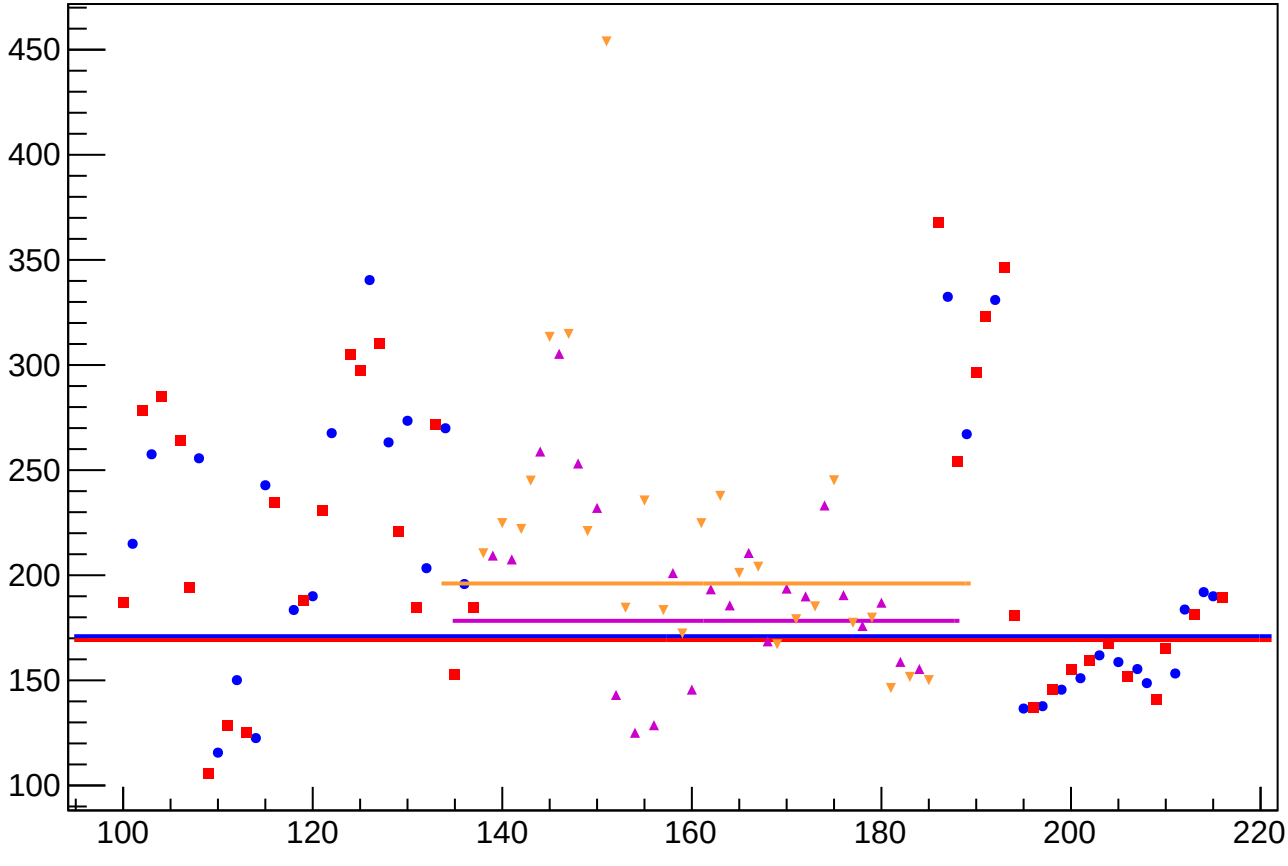
Right: -227.559+/-28.520 χ^2/NDF: 64.6/65

In: -62.464+/-29.651 χ^2/NDF:70.7/53

Out: -72.192+/-30.332 χ^2/NDF:82.9/59

All: -67.218+/-21.203 χ^2/NDF: 153.6/113

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: 169.181+/-0.028 χ^2/NDF: 3028861.1/34

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

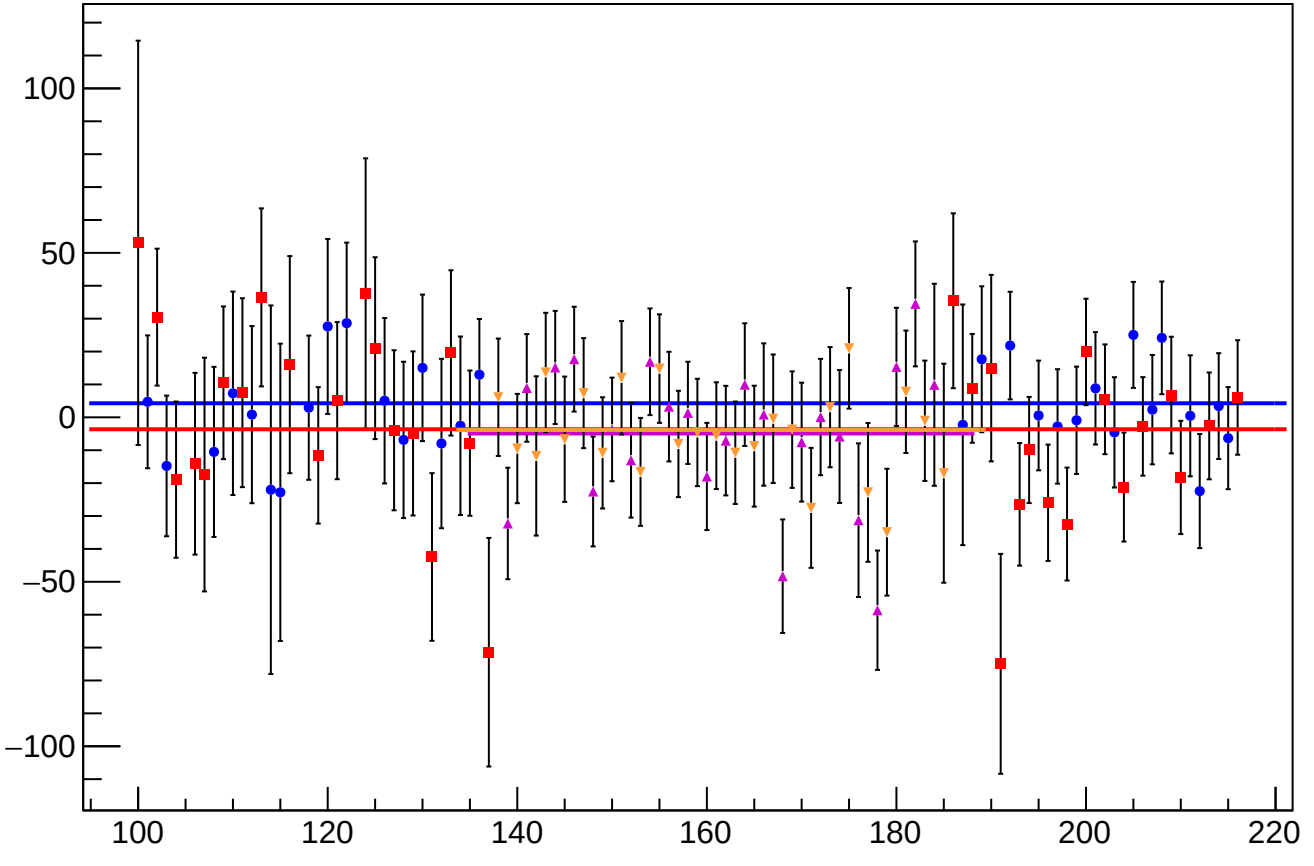
Right: 170.085+/-0.020 χ^2/NDF: 5367912.7/65

In: 174.390+/-0.021 χ^2/NDF:4045628.5/53

Out: 180.769+/-0.021 χ^2/NDF:5233214.3/59

All: 177.507+/-0.015 χ^2/NDF: 9324066.4/113

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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: -3.625+/-3.609 χ^2/NDF: 35.1/34

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

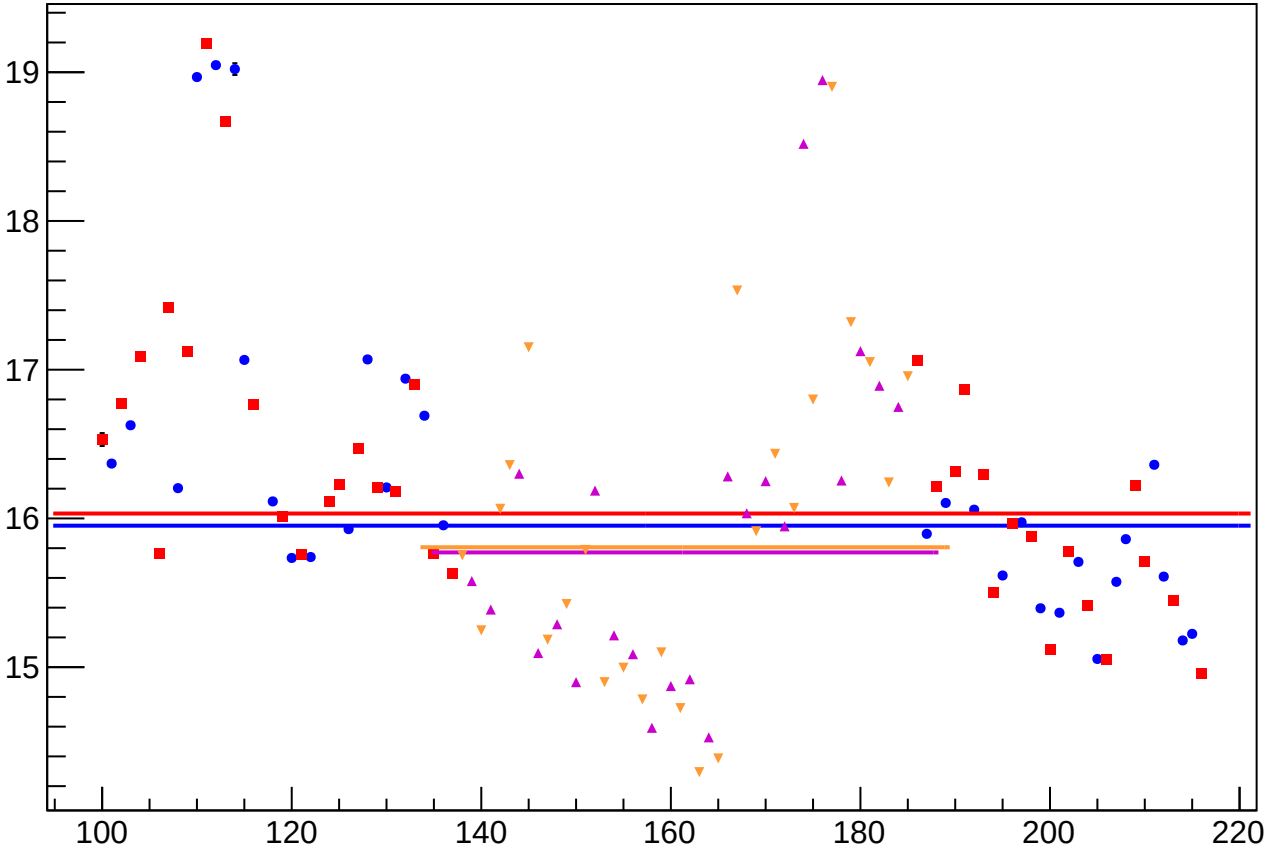
Right: 0.295+/-2.562 χ^2/NDF: 50.1/65

In: -0.241+/-2.592 χ^2/NDF:49.6/53

Out: -3.730+/-2.550 χ^2/NDF:48.0/59

All: -2.014+/-1.818 χ^2/NDF: 98.5/113

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: 16.033+/-0.003 χ^2/NDF: 99335.7/34

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

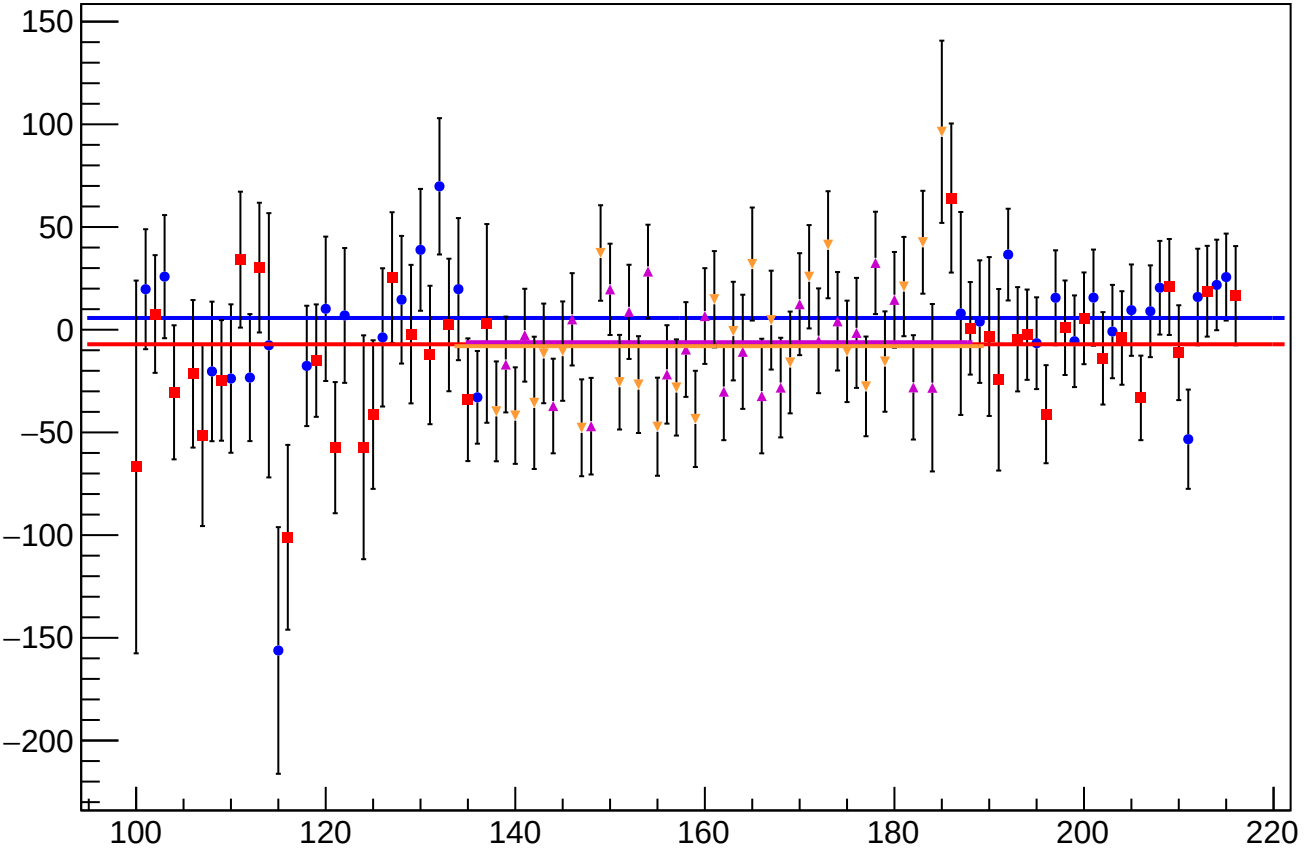
Right: 15.992+/-0.002 χ^2/NDF: 189204.7/65

In: 15.863+/-0.002 χ^2/NDF:243902.9/53

Out: 15.919+/-0.002 χ^2/NDF:275937.5/59

All: 15.892+/-0.001 χ^2/NDF: 520326.1/113

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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: -7.085+/-4.838 χ^2/NDF: 28.5/34

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

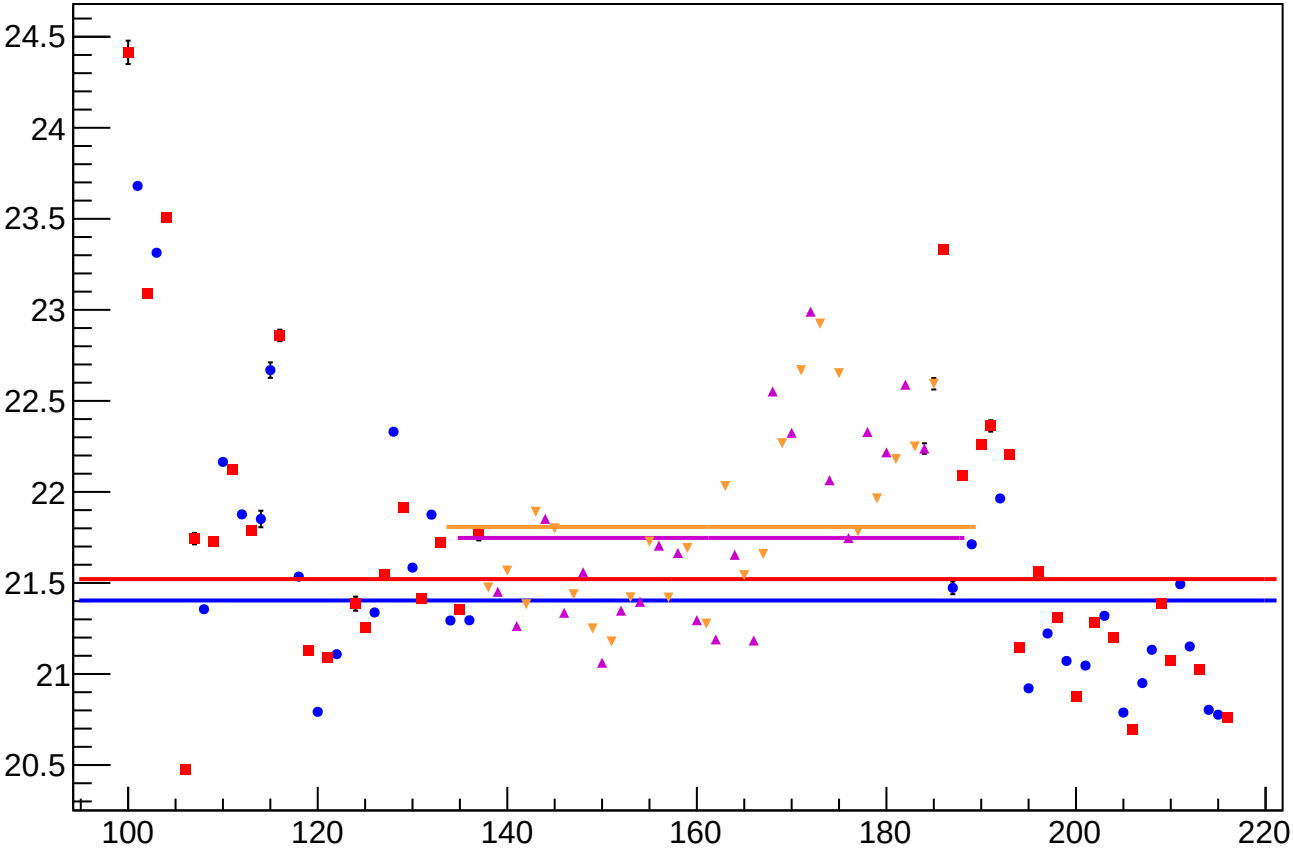
Right: -0.730+/-3.434 χ^2/NDF: 62.0/65

In: 0.061+/-3.517 χ^2/NDF:50.7/53

Out: -7.539+/-3.462 χ^2/NDF:67.4/59

All: -3.799+/-2.467 χ^2/NDF: 120.5/113

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: 21.521+/-0.003 χ^2/NDF: 40481.8/34

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

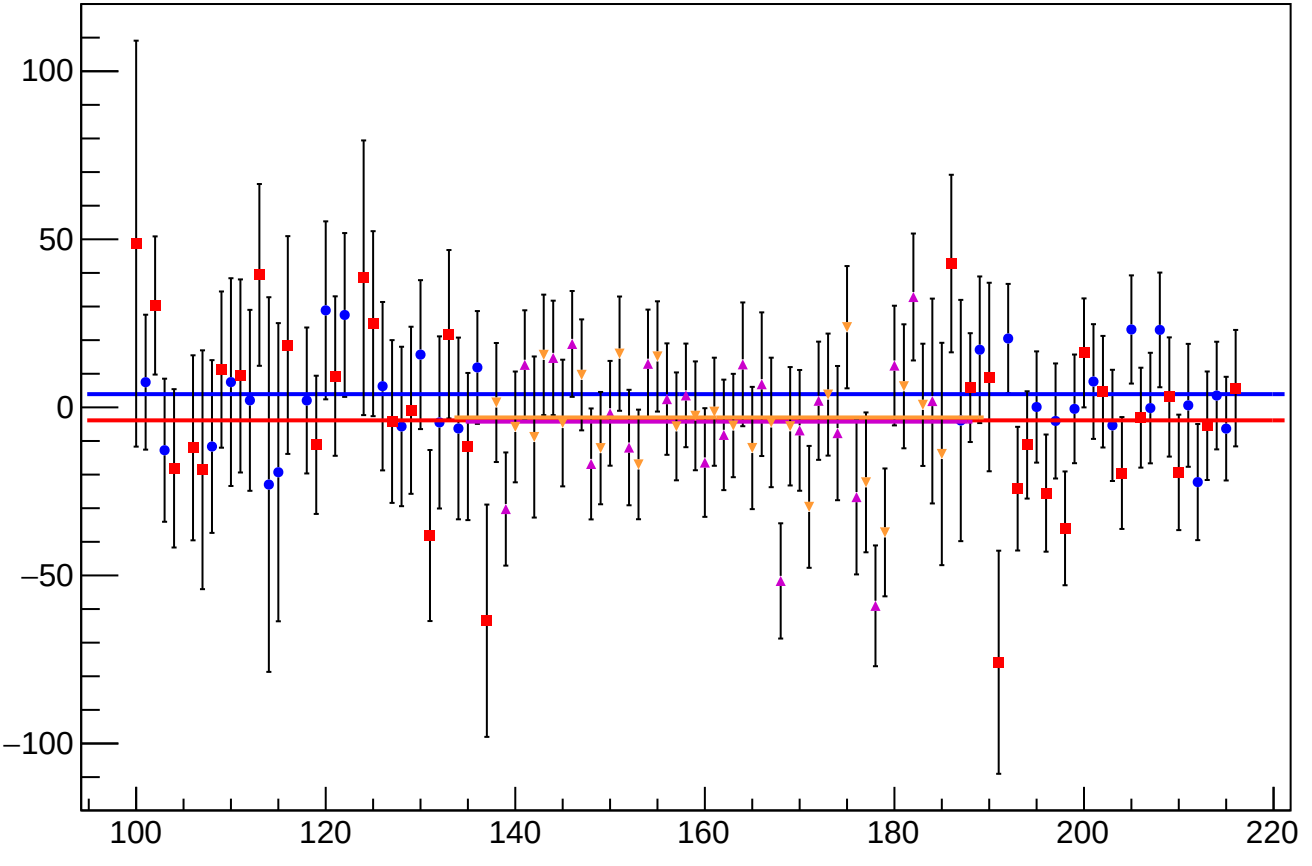
Right: 21.463+/-0.002 χ^2/NDF: 76439.2/65

In: 21.568+/-0.002 χ^2/NDF:60697.2/53

Out: 21.661+/-0.002 χ^2/NDF:61468.1/59

All: 21.615+/-0.002 χ^2/NDF: 122869.0/113

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: -3.862+/-3.585 χ^2/NDF: 35.3/34

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

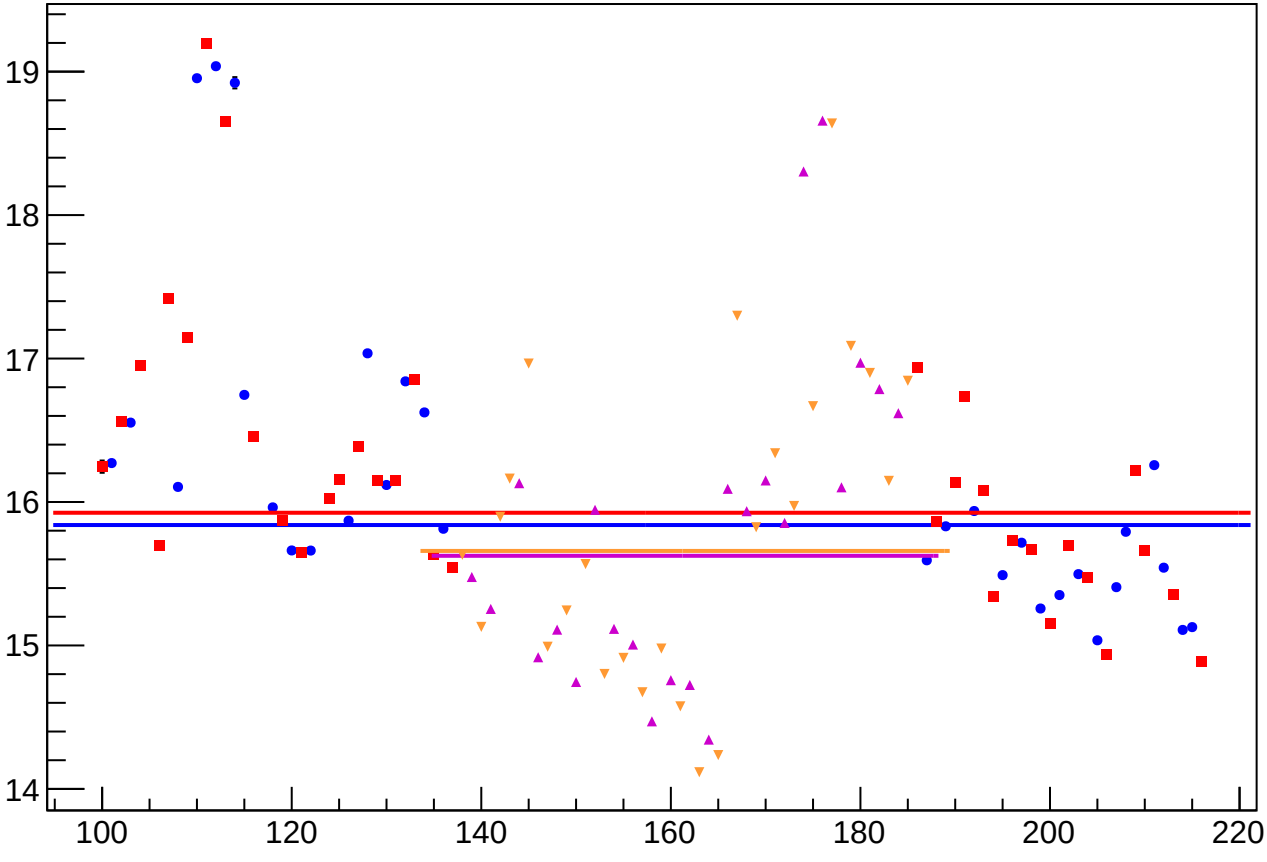
Right: 0.008+/-2.545 χ^2/NDF: 49.7/65

In: -0.102+/-2.571 χ^2/NDF:48.3/53

Out: -3.430+/-2.529 χ^2/NDF:50.0/59

All: -1.793+/-1.803 χ^2/NDF: 99.2/113

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: 15.925+/-0.003 χ^2/NDF: 100317.1/34

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

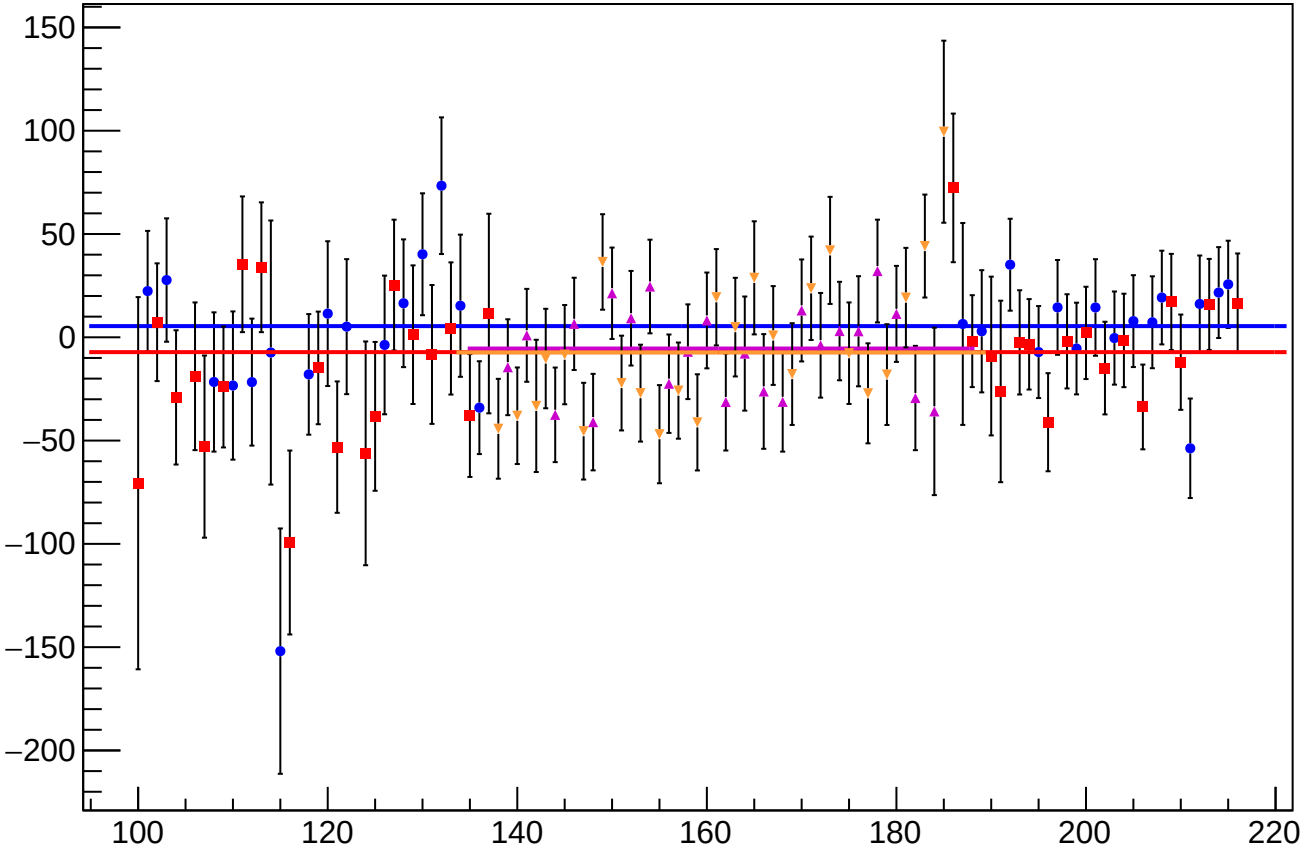
Right: 15.883+/-0.002 χ^2/NDF: 192896.0/65

In: 15.734+/-0.002 χ^2/NDF:245921.3/53

Out: 15.791+/-0.002 χ^2/NDF:275690.7/59

All: 15.763+/-0.001 χ^2/NDF: 522124.0/113

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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: -7.185+/-4.815 χ^2/NDF: 29.1/34

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

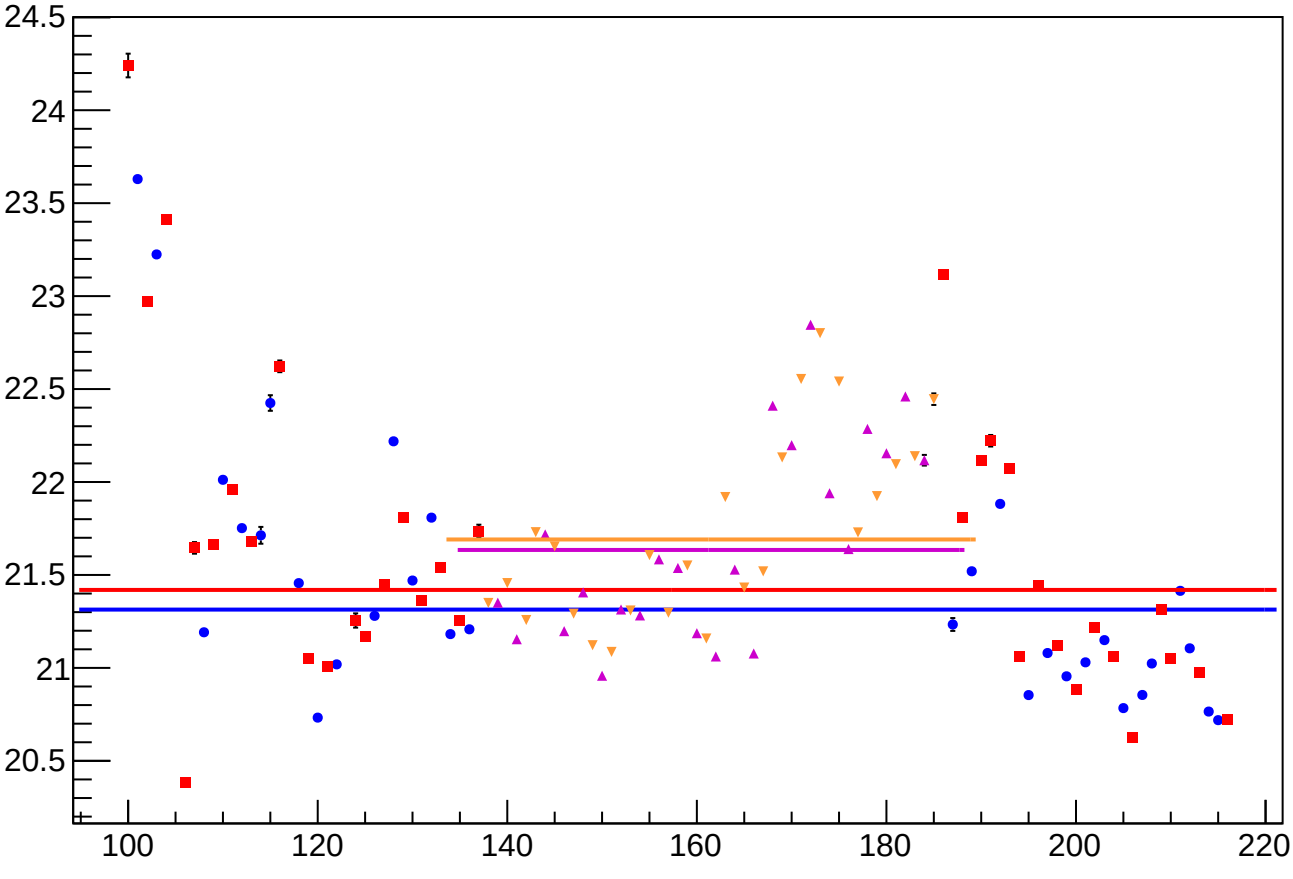
Right: -0.937+/-3.418 χ^2/NDF: 63.0/65

In: 0.207+/-3.501 χ^2/NDF:50.2/53

Out: -7.250+/-3.444 χ^2/NDF:67.7/59

All: -3.581+/-2.455 χ^2/NDF: 120.2/113

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: 21.419+/-0.003 χ^2/NDF: 37129.9/34

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

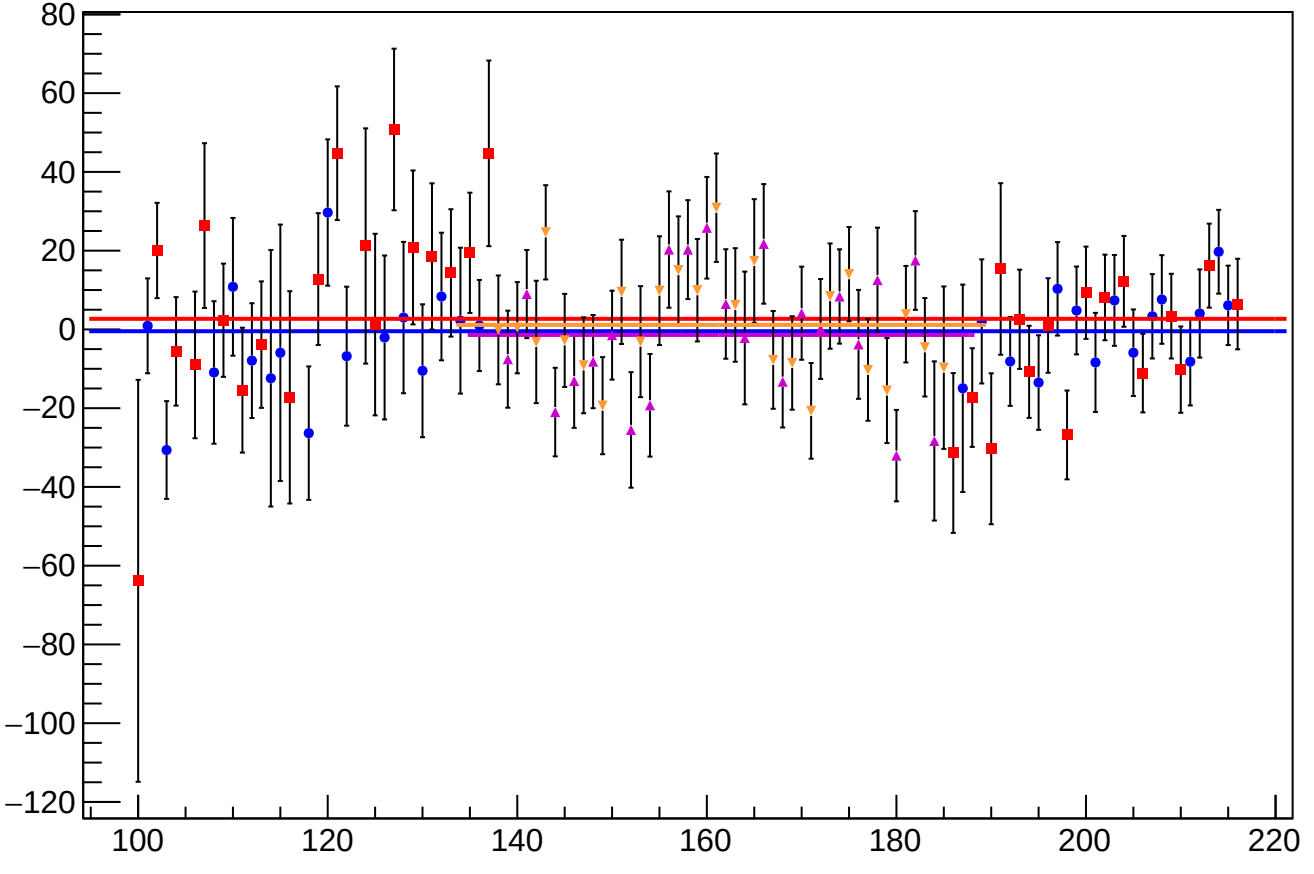
Right: 21.367+/-0.002 χ^2/NDF: 72183.7/65

In: 21.468+/-0.002 χ^2/NDF:59329.5/53

Out: 21.552+/-0.002 χ^2/NDF:58167.3/59

All: 21.510+/-0.002 χ^2/NDF: 118087.1/113

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: 2.691+/-2.438 χ^2/NDF: 49.8/34

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

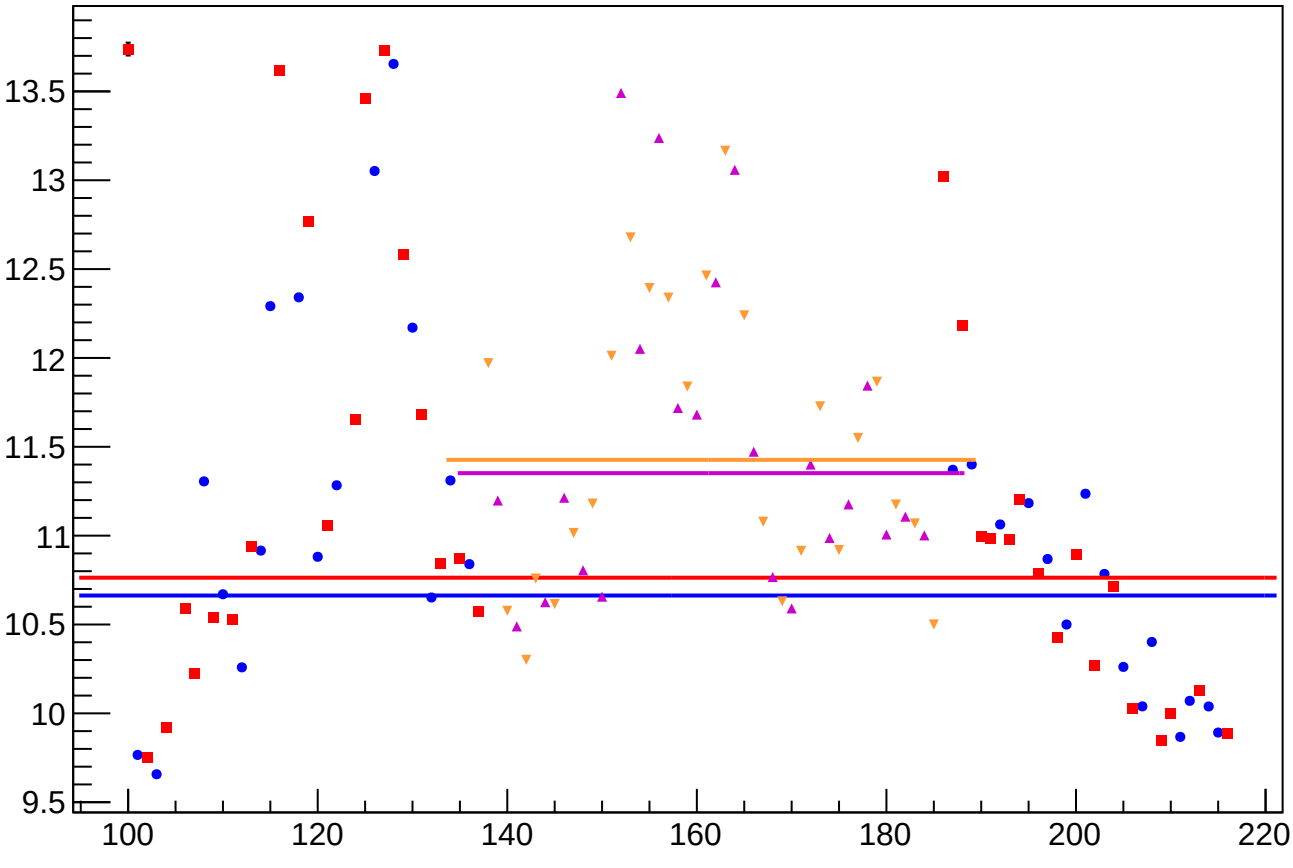
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: 1.121+/-1.726 χ^2/NDF: 73.0/65

In: -0.889+/-1.804 χ^2/NDF:58.7/53

Out: 1.970+/-1.785 χ^2/NDF:74.5/59

All: 0.556+/-1.269 χ^2/NDF: 134.5/113



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: 10.763+/-0.002 χ^2/NDF: 290747.2/34

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

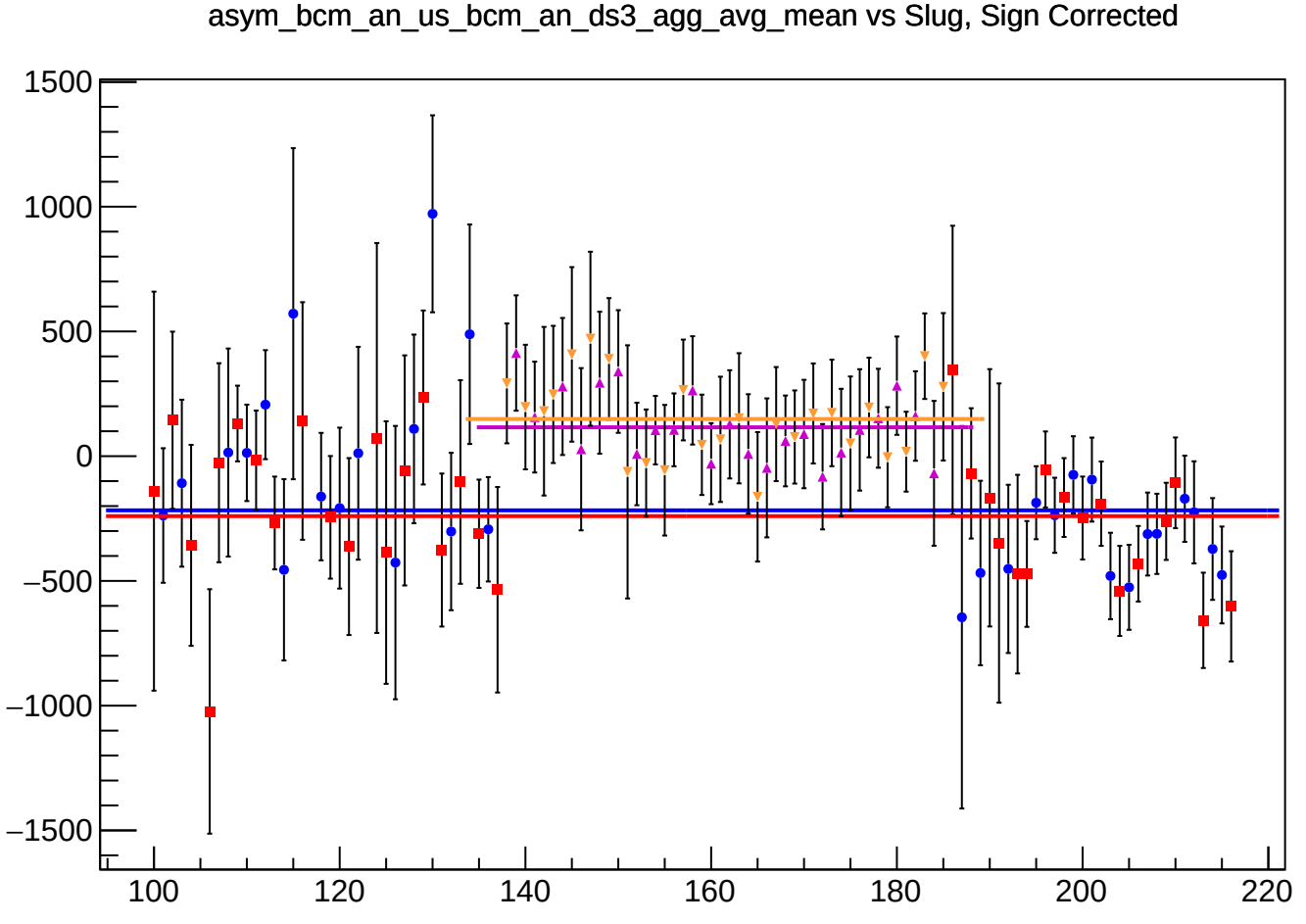
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.713+/-0.001 χ^2/NDF: 504288.4/65

In: 10.976+/-0.001 χ^2/NDF:454702.7/53

Out: 11.071+/-0.001 χ^2/NDF:516383.5/59

All: 11.024+/-0.001 χ^2/NDF: 973868.8/113



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: -240.237+/-40.307 χ^2/NDF: 32.6/34

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

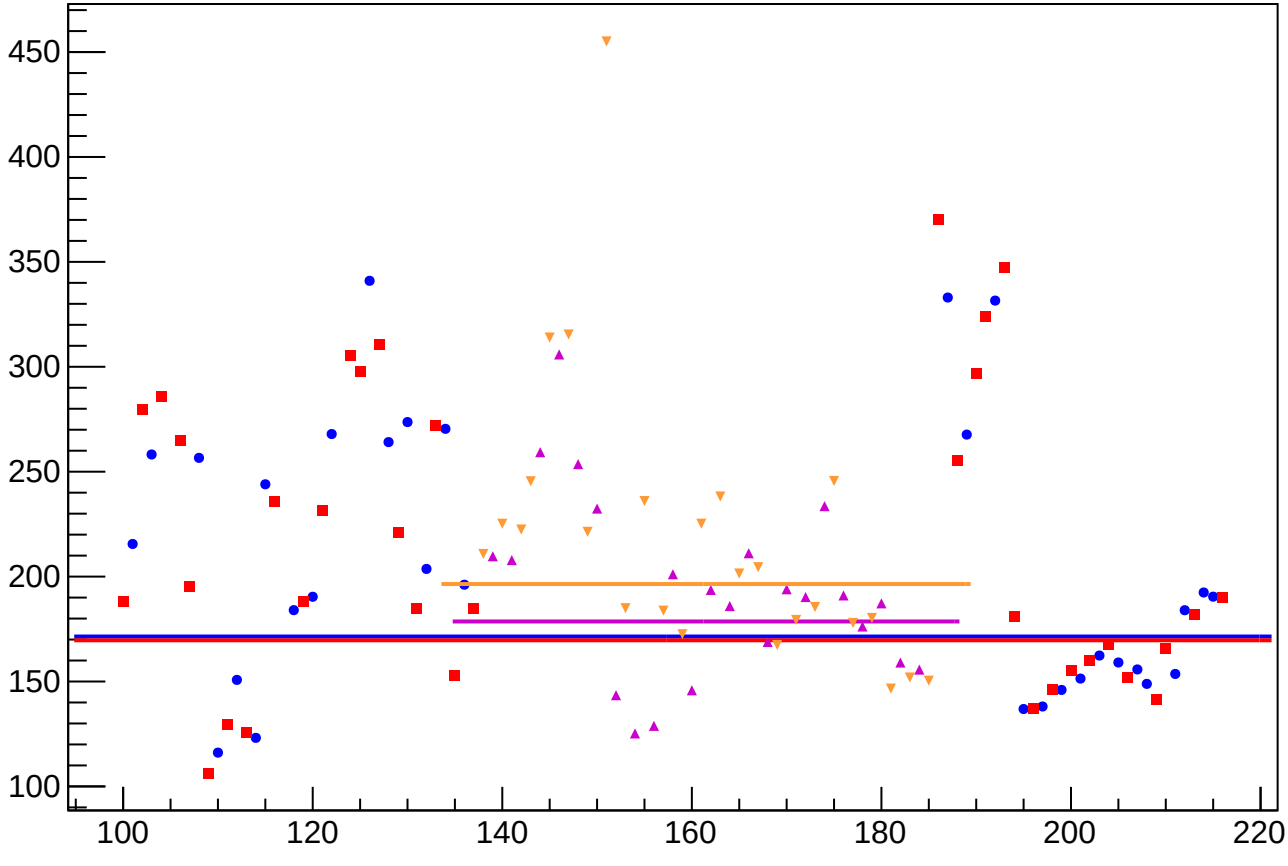
Right: -228.749+/-28.594 χ^2/NDF: 64.6/65

In: -62.821+/-29.714 χ^2/NDF:70.9/53

Out: -72.492+/-30.403 χ^2/NDF:83.2/59

All: -67.546+/-21.250 χ^2/NDF: 154.2/113

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: 169.642+/-0.029 χ^2/NDF: 3026056.9/34

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

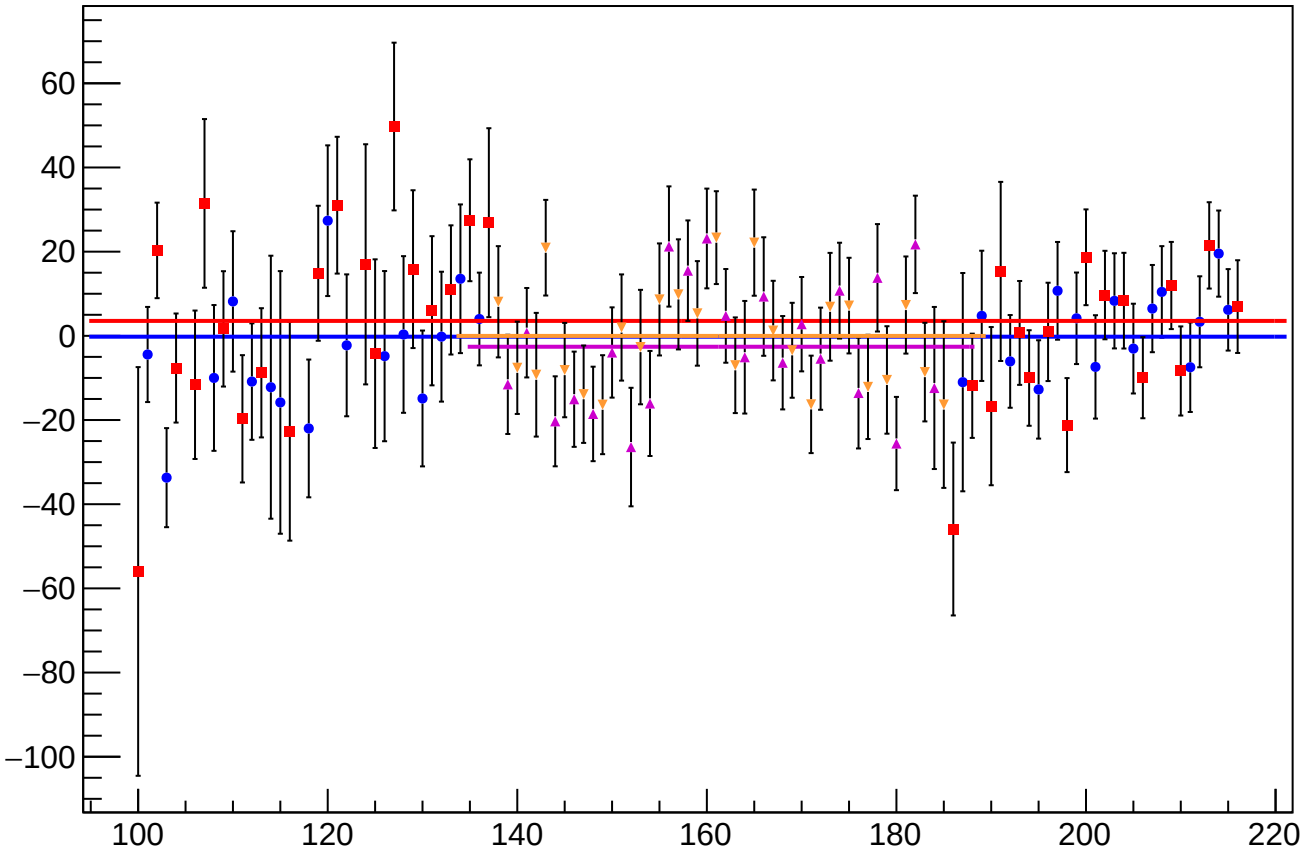
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 170.536+/-0.020 χ^2/NDF: 5360277.9/65

In: 174.766+/-0.021 χ^2/NDF:4040089.5/53

Out: 181.200+/-0.021 χ^2/NDF:5226280.3/59

All: 177.909+/-0.015 χ^2/NDF: 9312181.8/113



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: 3.546+/-2.353 χ^2/NDF: 49.3/34

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

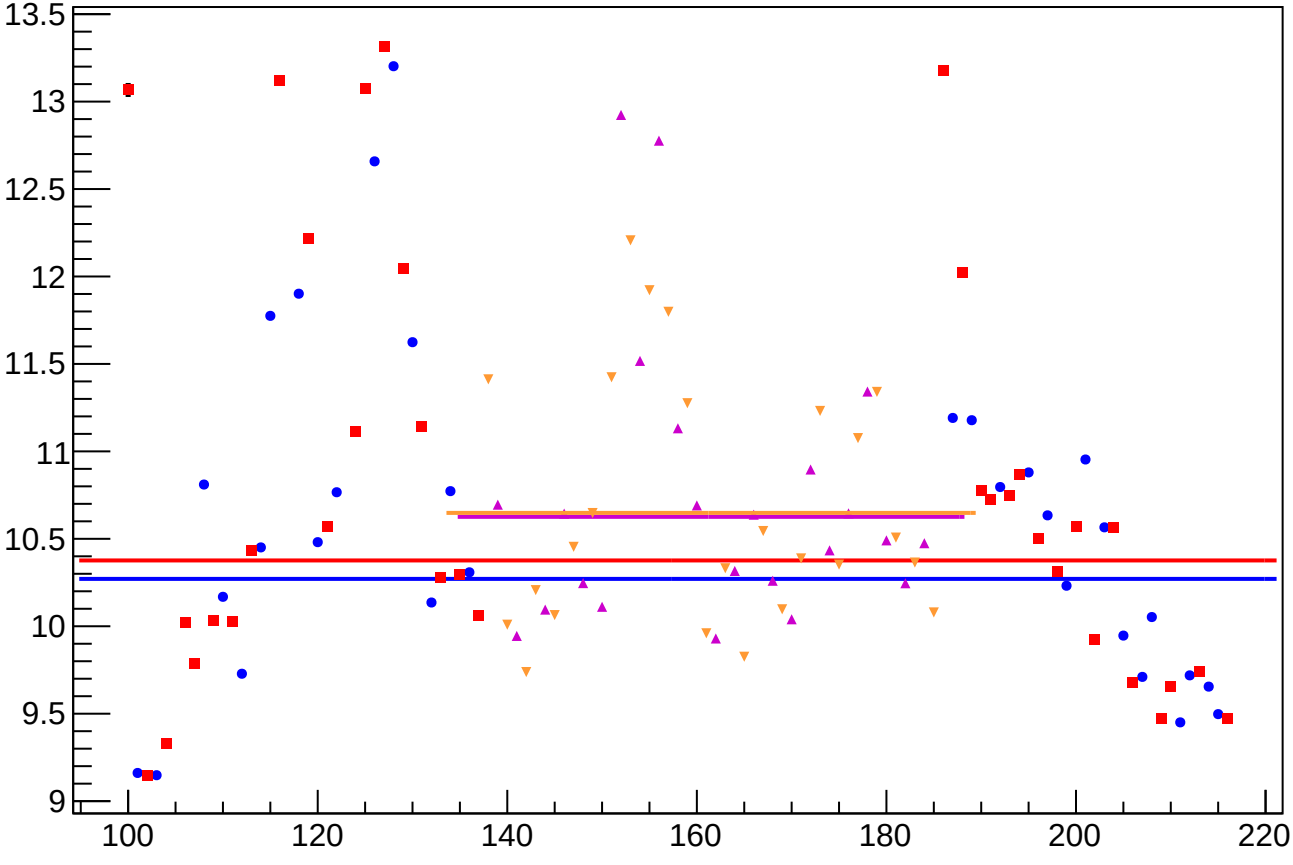
Right: 1.673+/-1.665 χ^2/NDF: 76.0/65

In: -1.324+/-1.716 χ^2/NDF:60.7/53

Out: 1.832+/-1.695 χ^2/NDF:74.2/59

All: 0.274+/-1.206 χ^2/NDF: 136.5/113

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: 10.376+/-0.002 χ^2/NDF: 331476.5/34

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

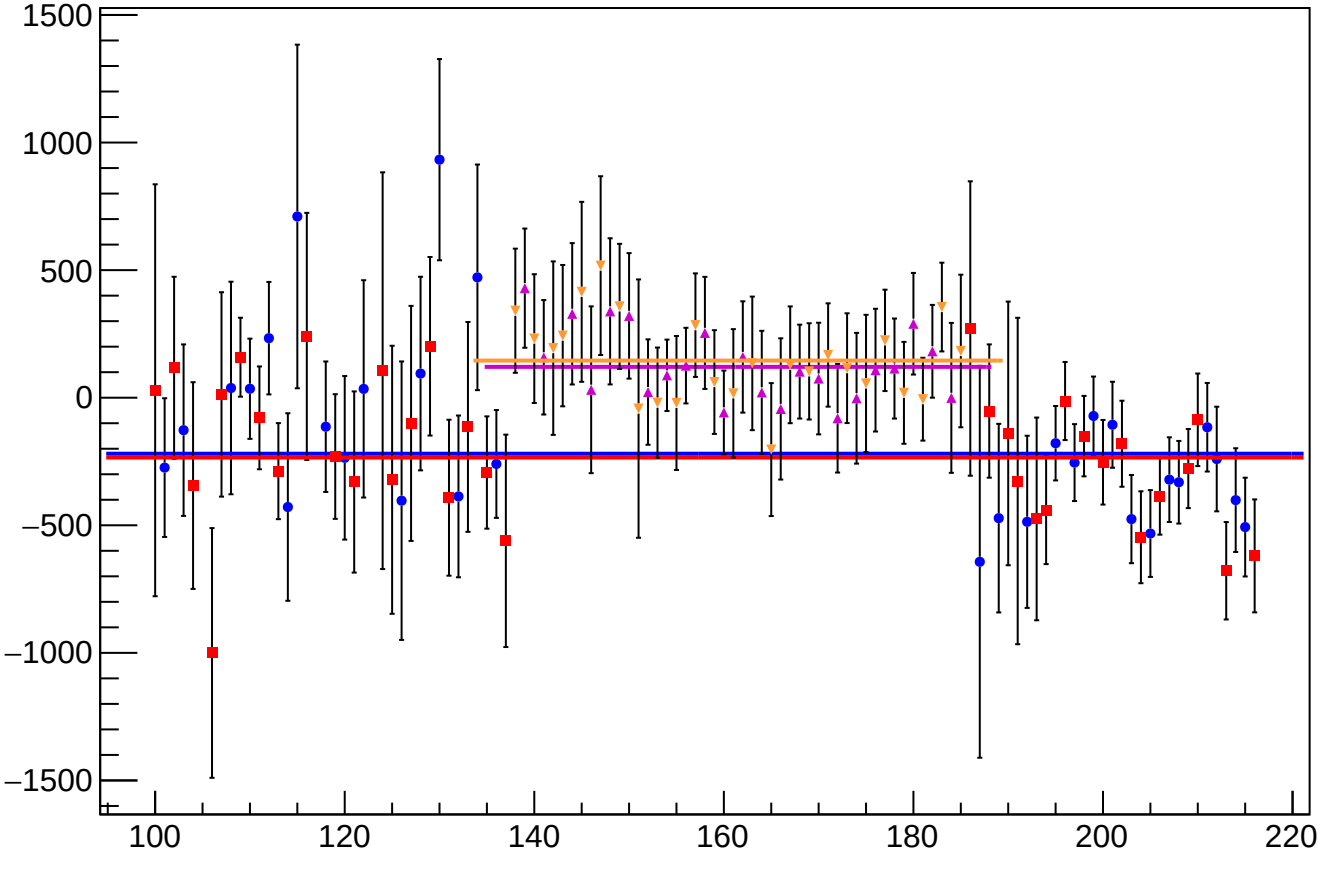
Right: 10.324+/-0.001 χ^2/NDF: 570515.6/65

In: 10.437+/-0.001 χ^2/NDF:417862.3/53

Out: 10.507+/-0.001 χ^2/NDF:487856.7/59

All: 10.473+/-0.001 χ^2/NDF: 907393.2/113

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: -234.531+/-40.418 χ^2/NDF: 33.4/34

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

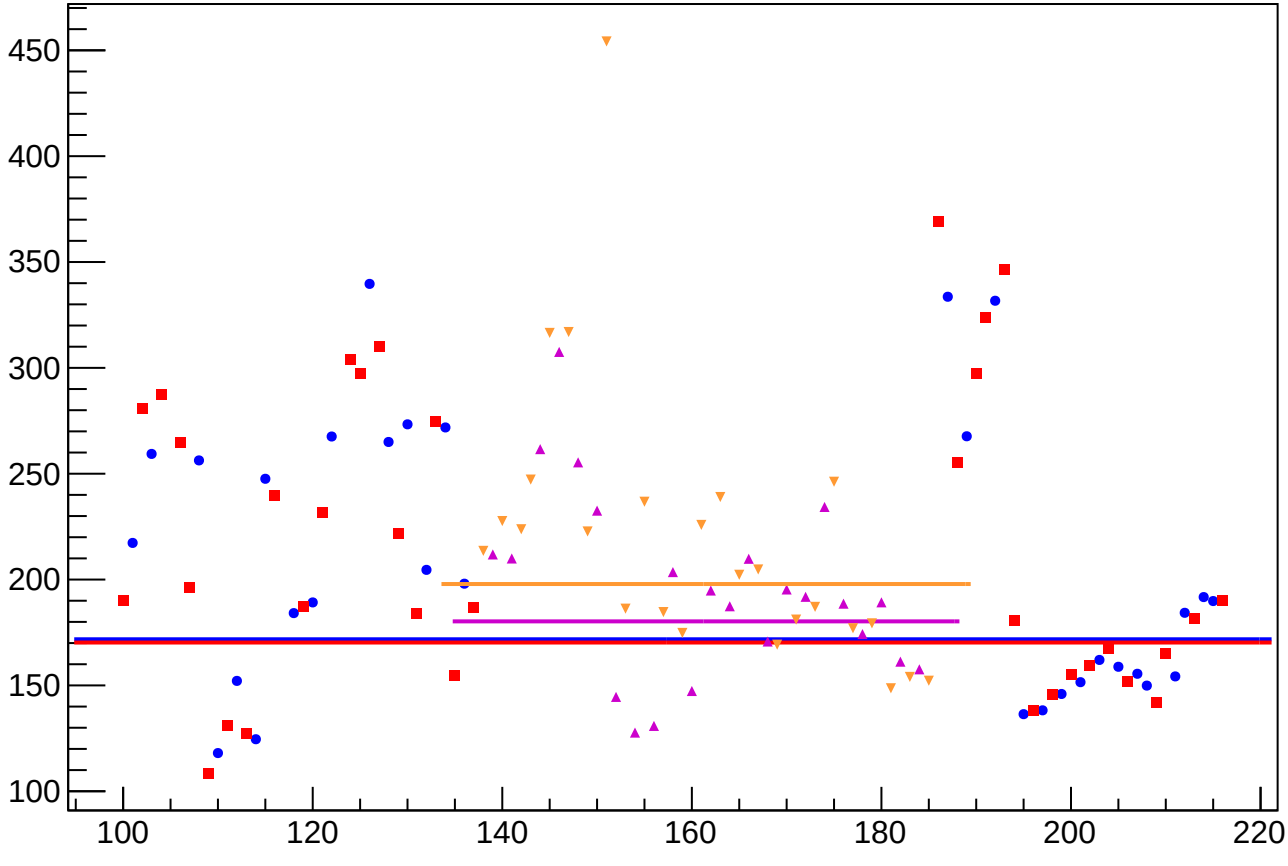
Right: -227.059+/-28.659 χ^2/NDF: 67.4/65

In: -62.765+/-29.853 χ^2/NDF:74.5/53

Out: -71.411+/-30.537 χ^2/NDF:81.6/59

All: -66.990+/-21.347 χ^2/NDF: 156.1/113

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: 170.259+/-0.029 χ^2/NDF: 2973054.4/34

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

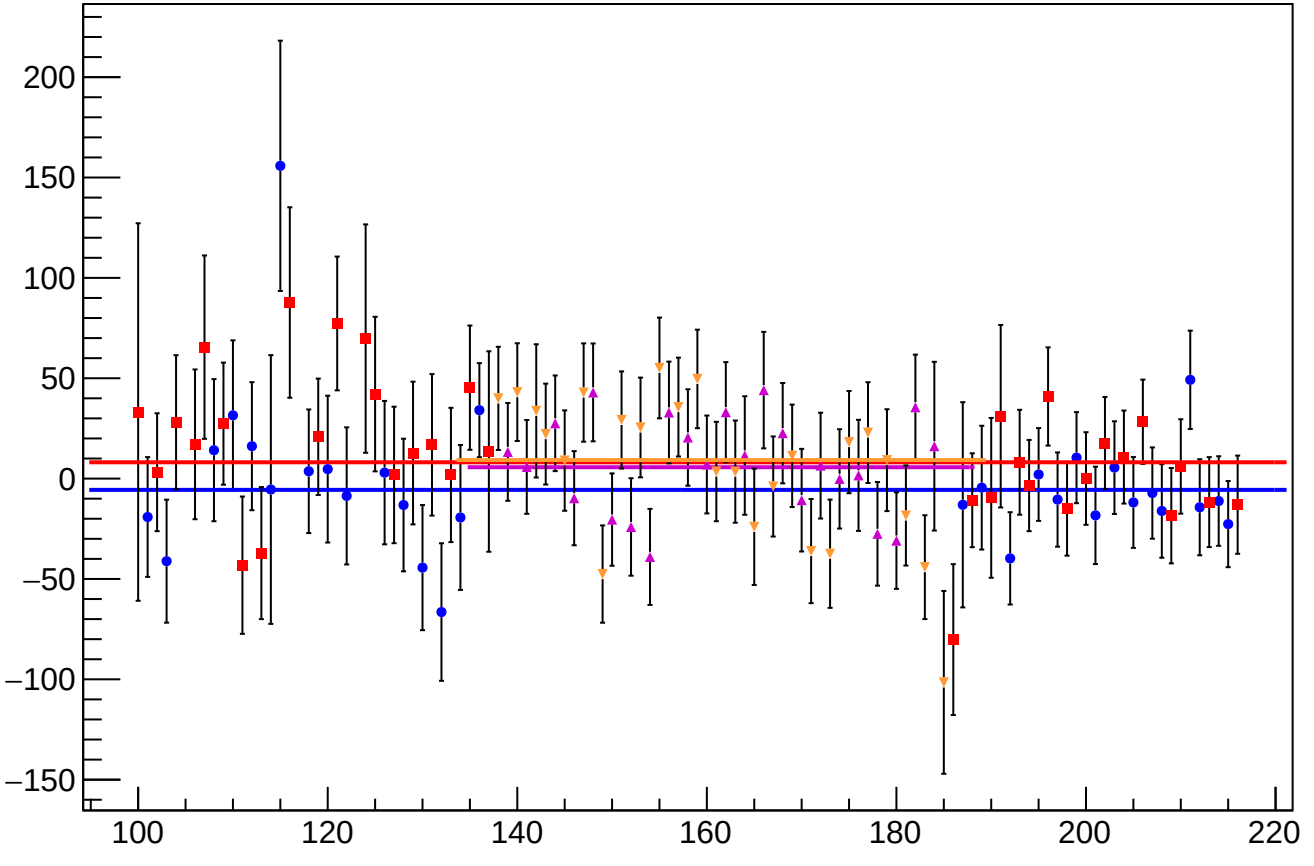
Right: 171.019+/-0.020 χ^2/NDF: 5294941.1/65

In: 175.683+/-0.021 χ^2/NDF:3988147.5/53

Out: 182.118+/-0.022 χ^2/NDF:5163065.3/59

All: 178.828+/-0.015 χ^2/NDF: 9196616.5/113

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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: 8.130+/-4.984 χ^2/NDF: 31.2/34

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

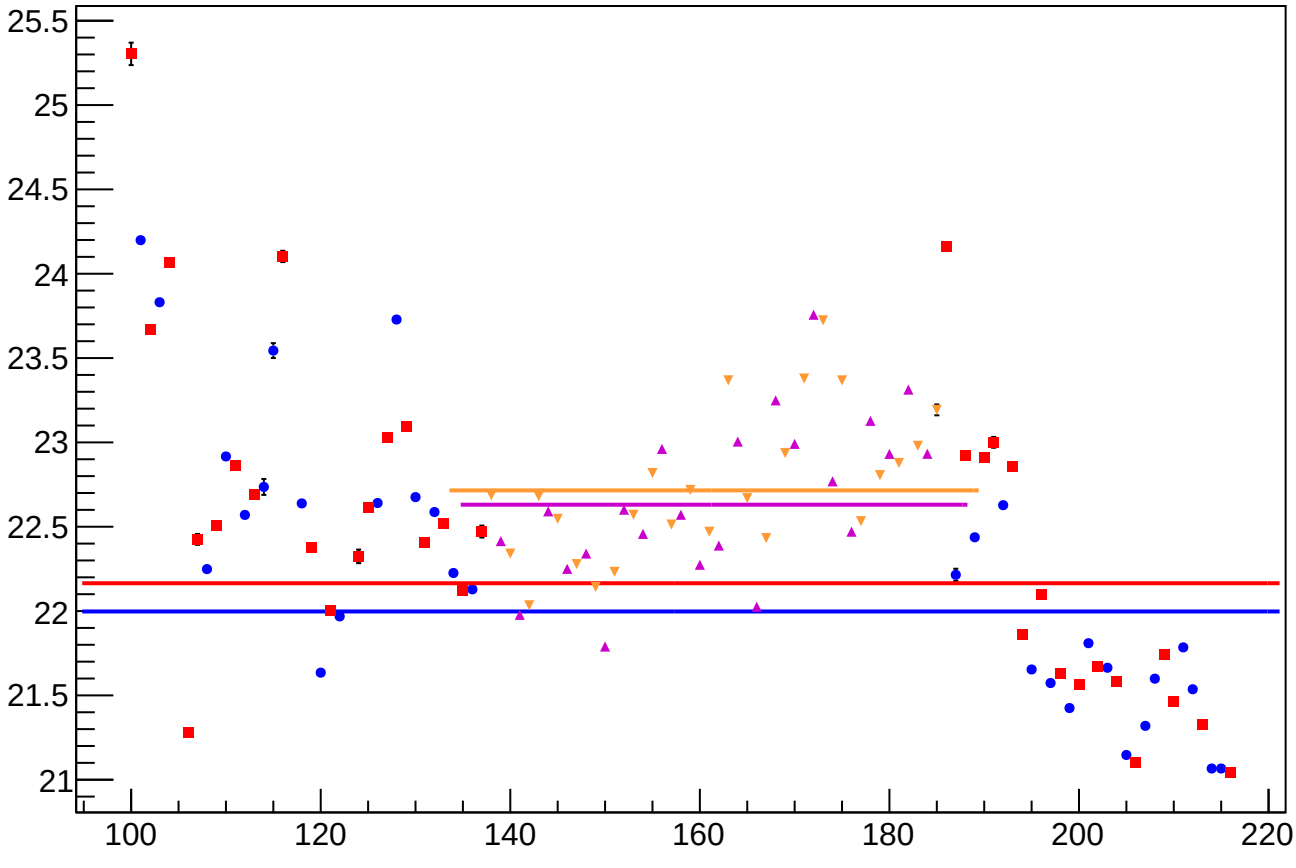
Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

Right: 1.296+/-3.533 χ^2/NDF: 62.5/65

In: -0.273+/-3.636 χ^2/NDF:50.7/53

Out: 8.663+/-3.586 χ^2/NDF:70.7/59

All: 4.258+/-2.553 χ^2/NDF: 124.4/113



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: 22.165+/-0.004 χ^2/NDF: 53661.0/34

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

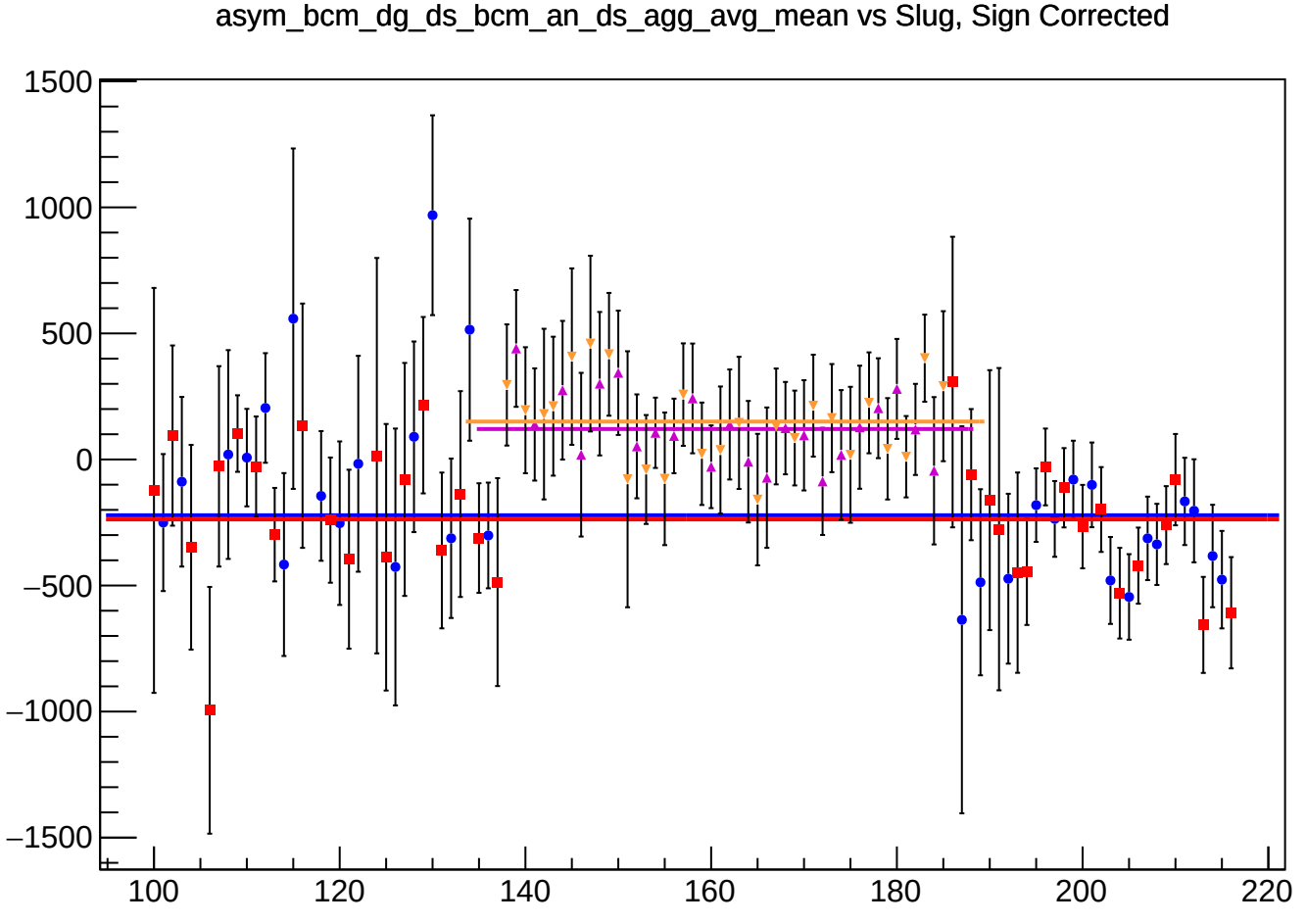
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.082+/-0.002 χ^2/NDF: 103325.6/65

In: 22.297+/-0.003 χ^2/NDF:79038.1/53

Out: 22.431+/-0.003 χ^2/NDF:77611.3/59

All: 22.365+/-0.002 χ^2/NDF: 158015.2/113



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: -237.803+/-40.256 χ^2/NDF: 31.1/34

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

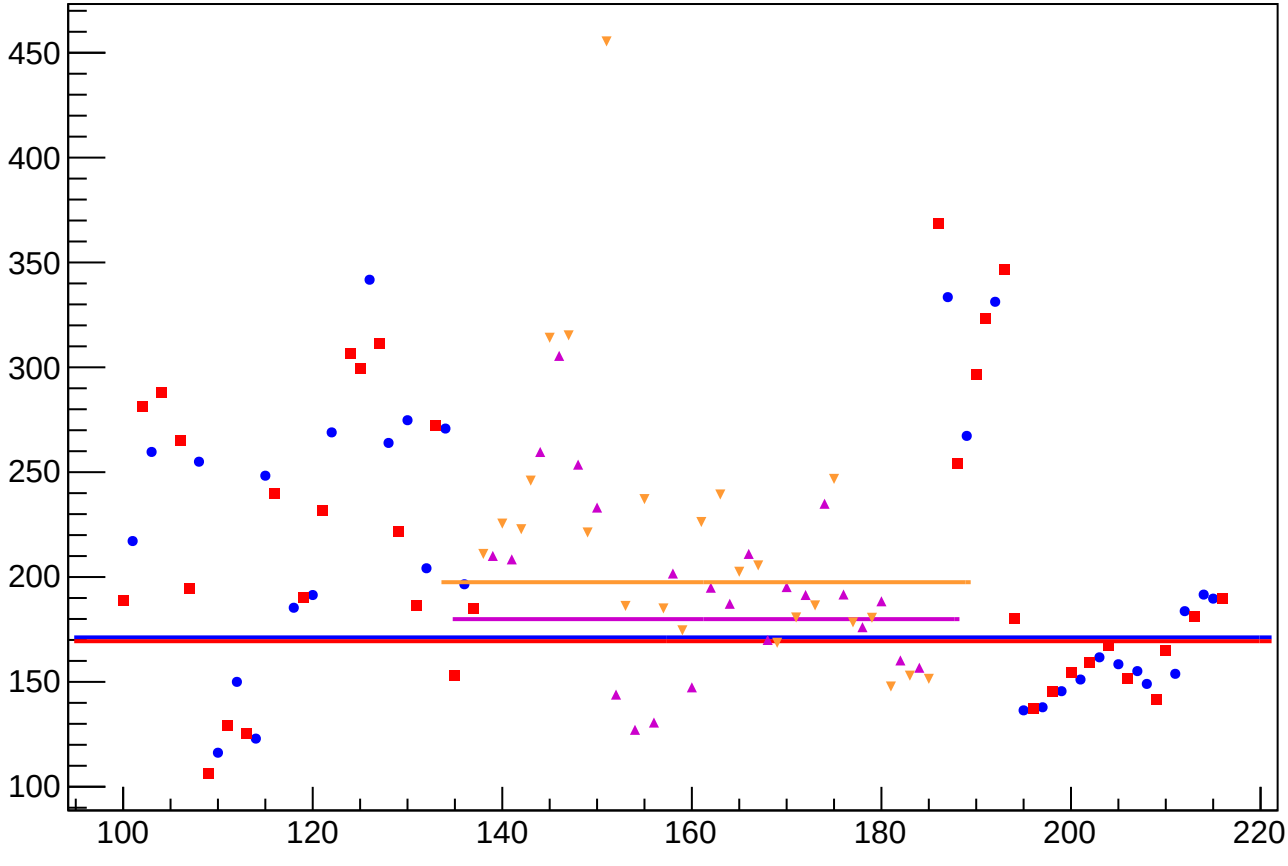
Right: -229.628+/-28.560 χ^2/NDF: 63.8/65

In: -64.015+/-29.784 χ^2/NDF:73.2/53

Out: -71.721+/-30.445 χ^2/NDF:81.9/59

All: -67.783+/-21.290 χ^2/NDF: 155.1/113

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: 169.397+/-0.028 χ^2/NDF: 3045427.9/34

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

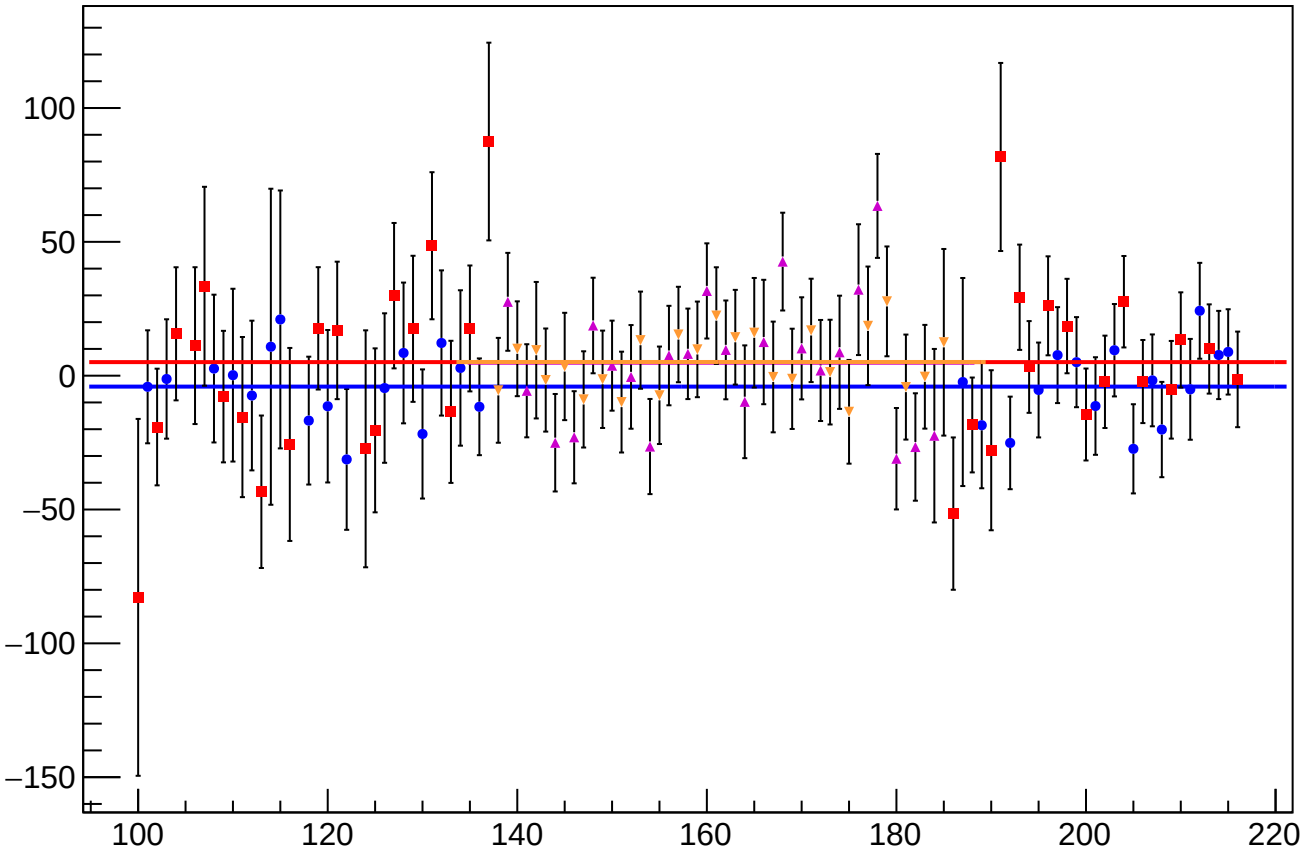
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 170.300+/-0.020 χ^2/NDF: 5400562.7/65

In: 175.220+/-0.021 χ^2/NDF:4019721.0/53

Out: 181.440+/-0.022 χ^2/NDF:5253548.5/59

All: 178.262+/-0.015 χ^2/NDF: 9315929.6/113



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: 5.069+/-3.799 χ^2/NDF: 38.5/34

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

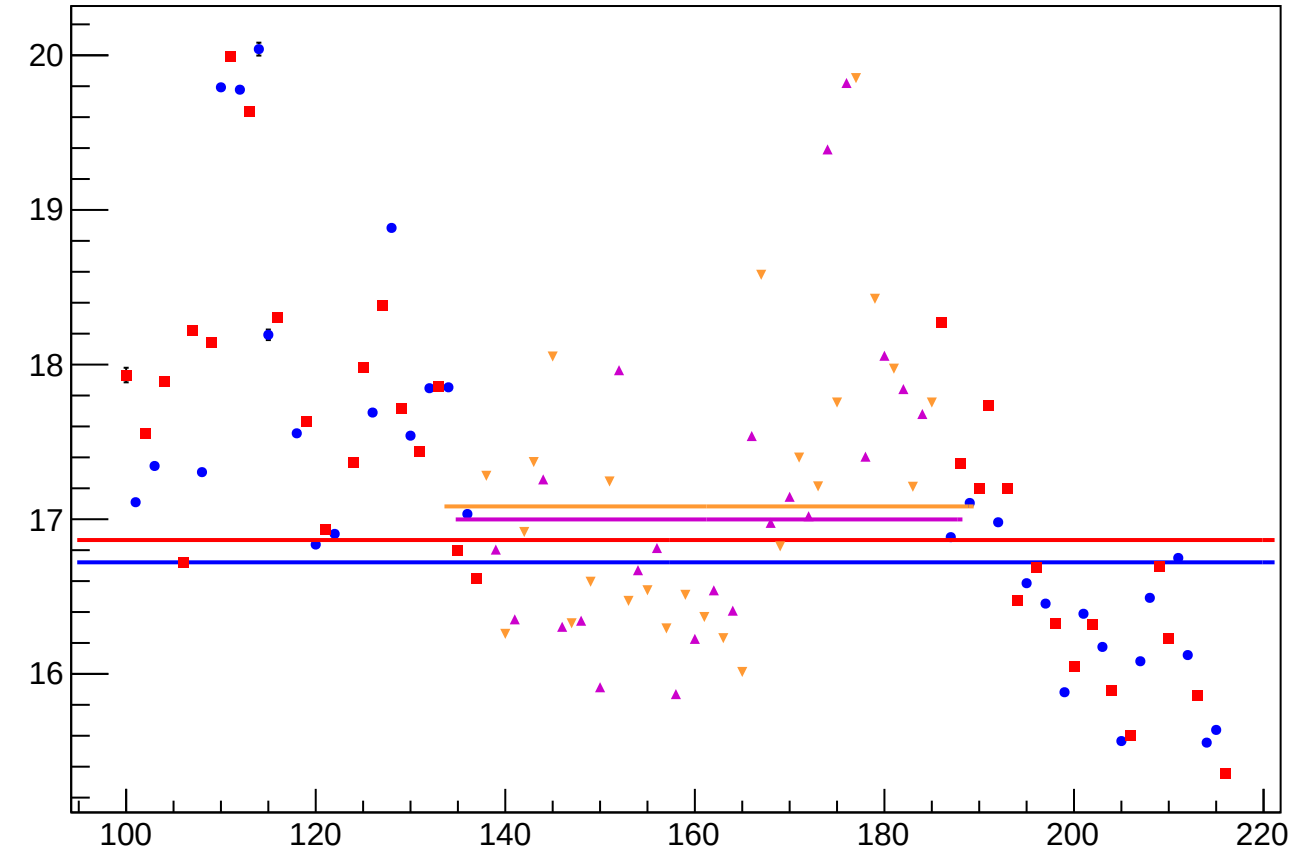
Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

Right: 0.513+/-2.692 χ^2/NDF: 54.4/65

In: 0.199+/-2.754 χ^2/NDF:51.2/53

Out: 5.093+/-2.718 χ^2/NDF:46.4/59

All: 2.678+/-1.934 χ^2/NDF: 99.2/113



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: 16.866+/-0.003 χ^2/NDF: 137170.3/34

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

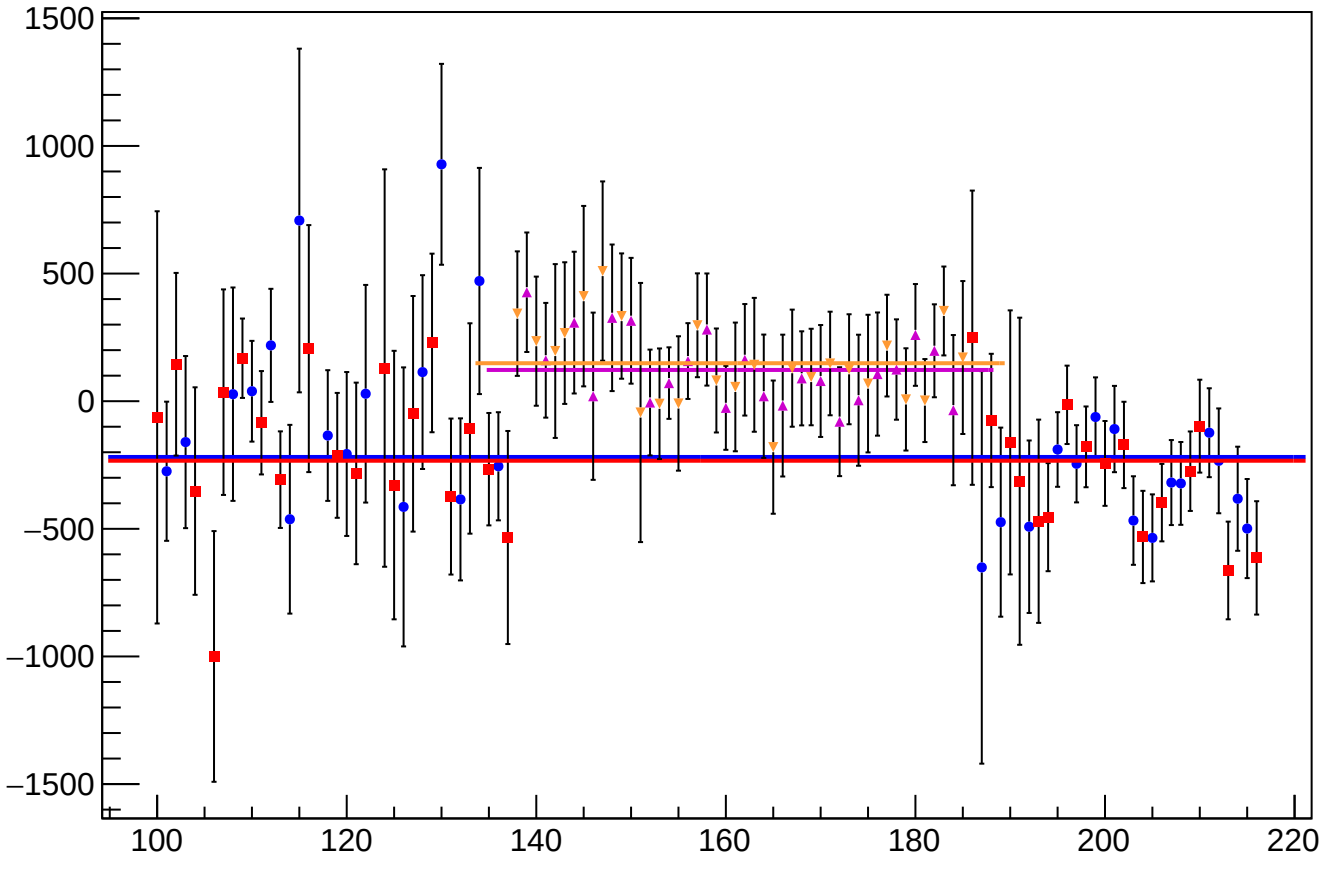
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 16.794+/-0.002 χ^2/NDF: 263277.5/65

In: 16.854+/-0.002 χ^2/NDF:233755.6/53

Out: 16.972+/-0.002 χ^2/NDF:237142.2/59

All: 16.914+/-0.001 χ^2/NDF: 472740.7/113



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: -233.227+/-40.539 χ^2/NDF: 32.7/34

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

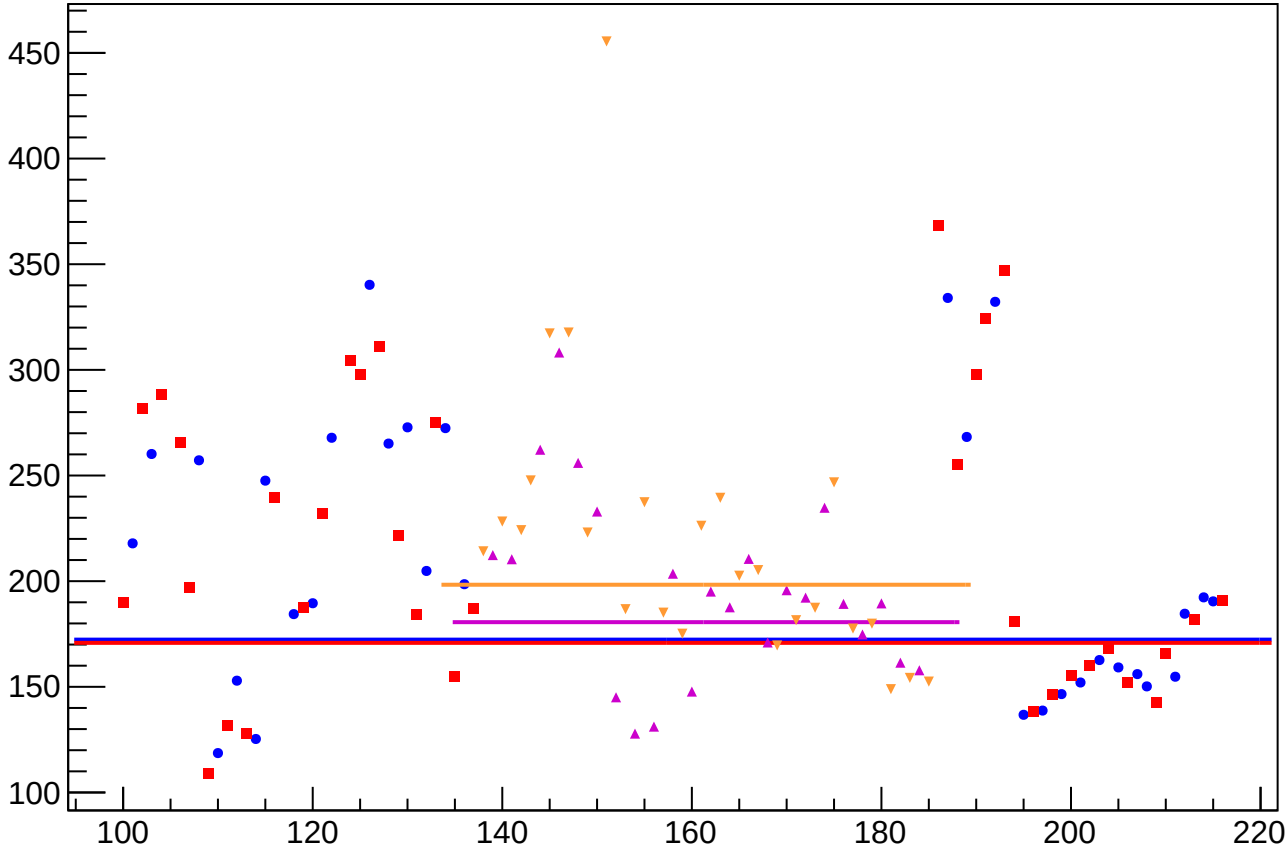
Right: -225.903+/-28.745 χ^2/NDF: 65.9/65

In: -61.361+/-29.929 χ^2/NDF:73.3/53

Out: -69.131+/-30.618 χ^2/NDF:80.4/59

All: -65.158+/-21.402 χ^2/NDF: 153.7/113

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: 170.811+/-0.029 χ^2/NDF: 2955126.5/34

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

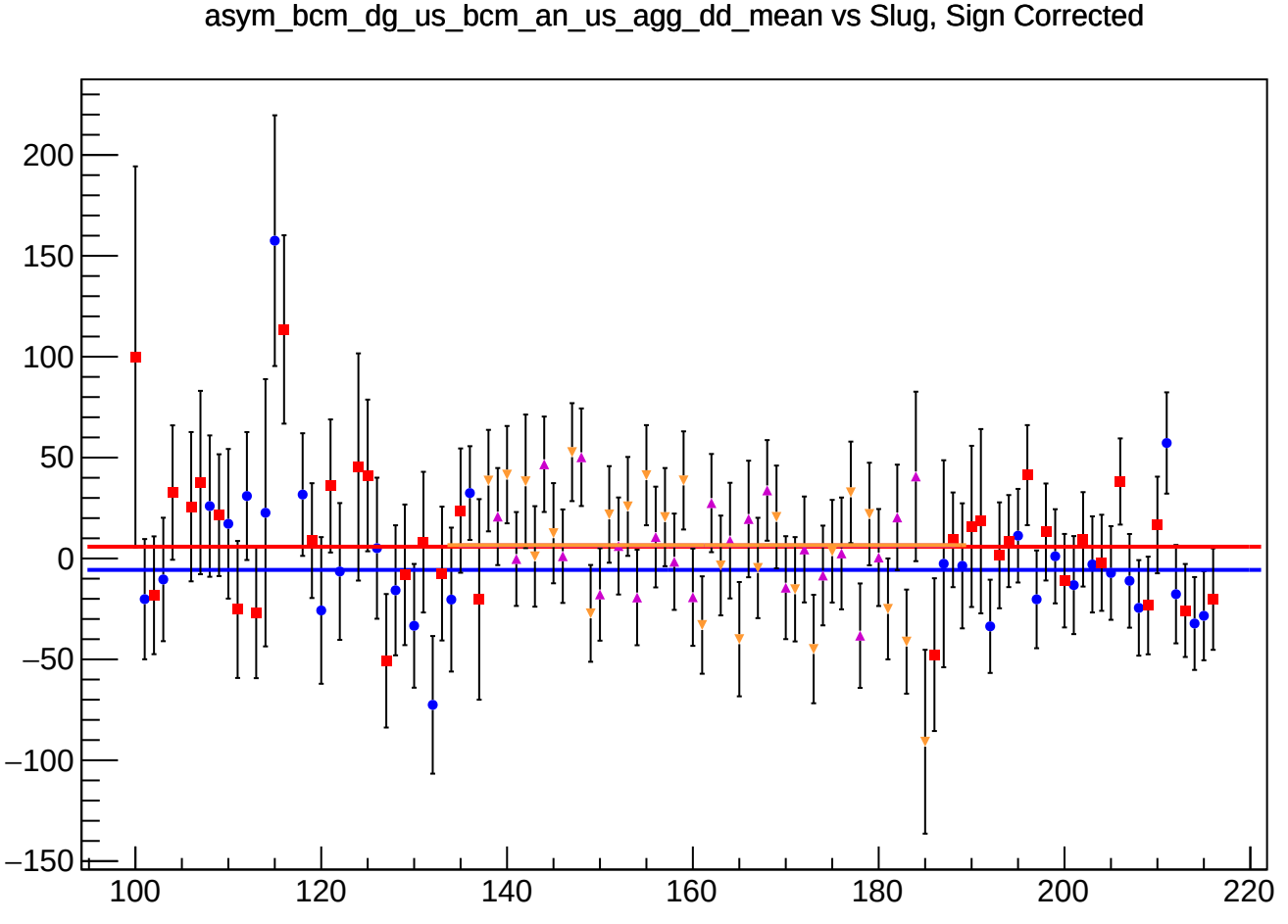
Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

Right: 171.569+/-0.020 χ^2/NDF: 5264215.8/65

In: 176.146+/-0.021 χ^2/NDF:3973663.4/53

Out: 182.626+/-0.022 χ^2/NDF:5140821.4/59

All: 179.312+/-0.015 χ^2/NDF: 9160294.8/113



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: 5.838+/-5.013 χ^2/NDF: 28.5/34

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

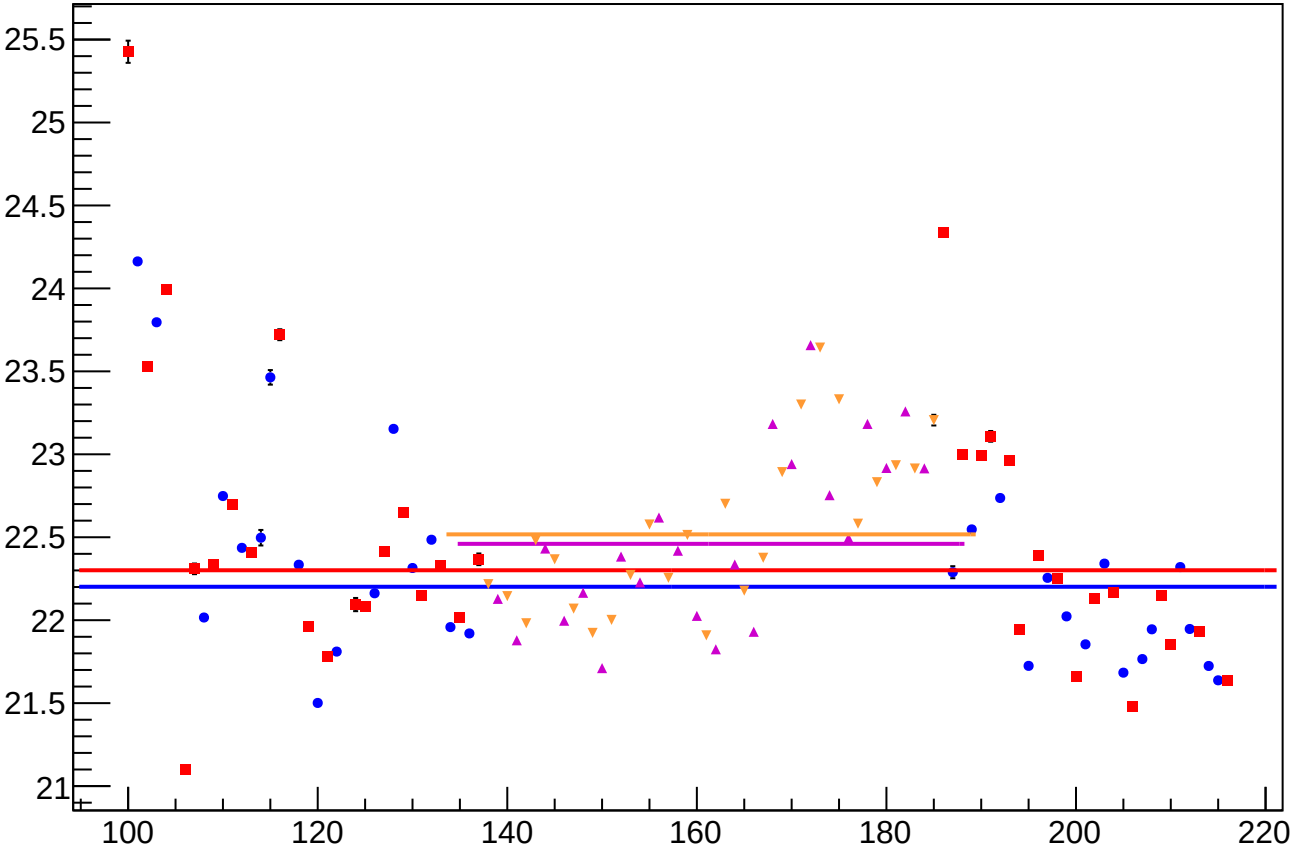
Right: 0.138+/-3.560 χ^2/NDF: 62.7/65

In: 0.186+/-3.640 χ^2/NDF:51.8/53

Out: 6.216+/-3.581 χ^2/NDF:65.4/59

All: 3.251+/-2.553 χ^2/NDF: 118.6/113

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: 22.301+/-0.004 χ^2/NDF: 34394.0/34

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

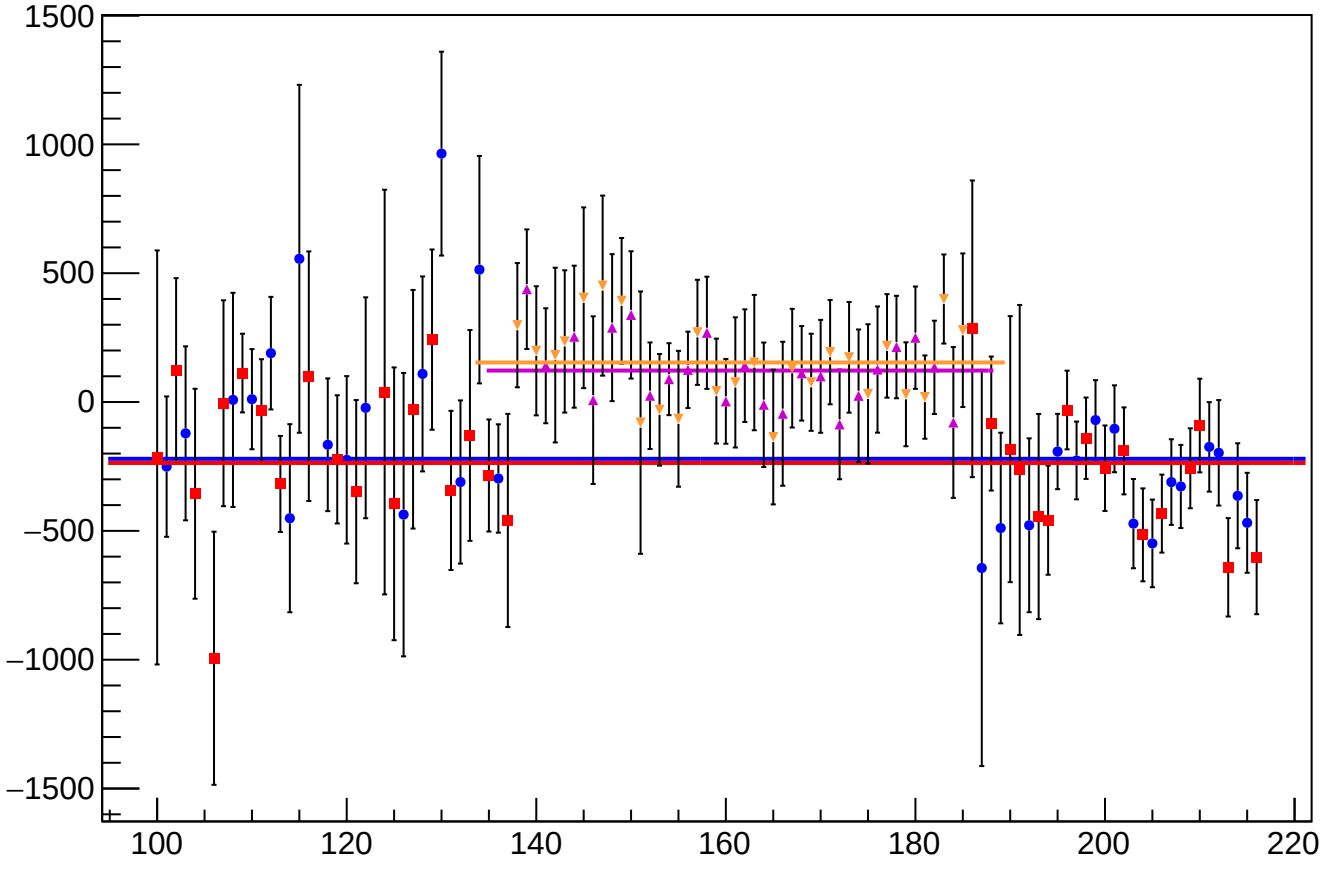
Right: 22.252+/-0.003 χ^2/NDF: 60834.7/65

In: 22.326+/-0.003 χ^2/NDF:47689.1/53

Out: 22.407+/-0.003 χ^2/NDF:52221.8/59

All: 22.367+/-0.002 χ^2/NDF: 100412.9/113

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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: -236.532+/-40.378 χ^2/NDF: 30.4/34

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

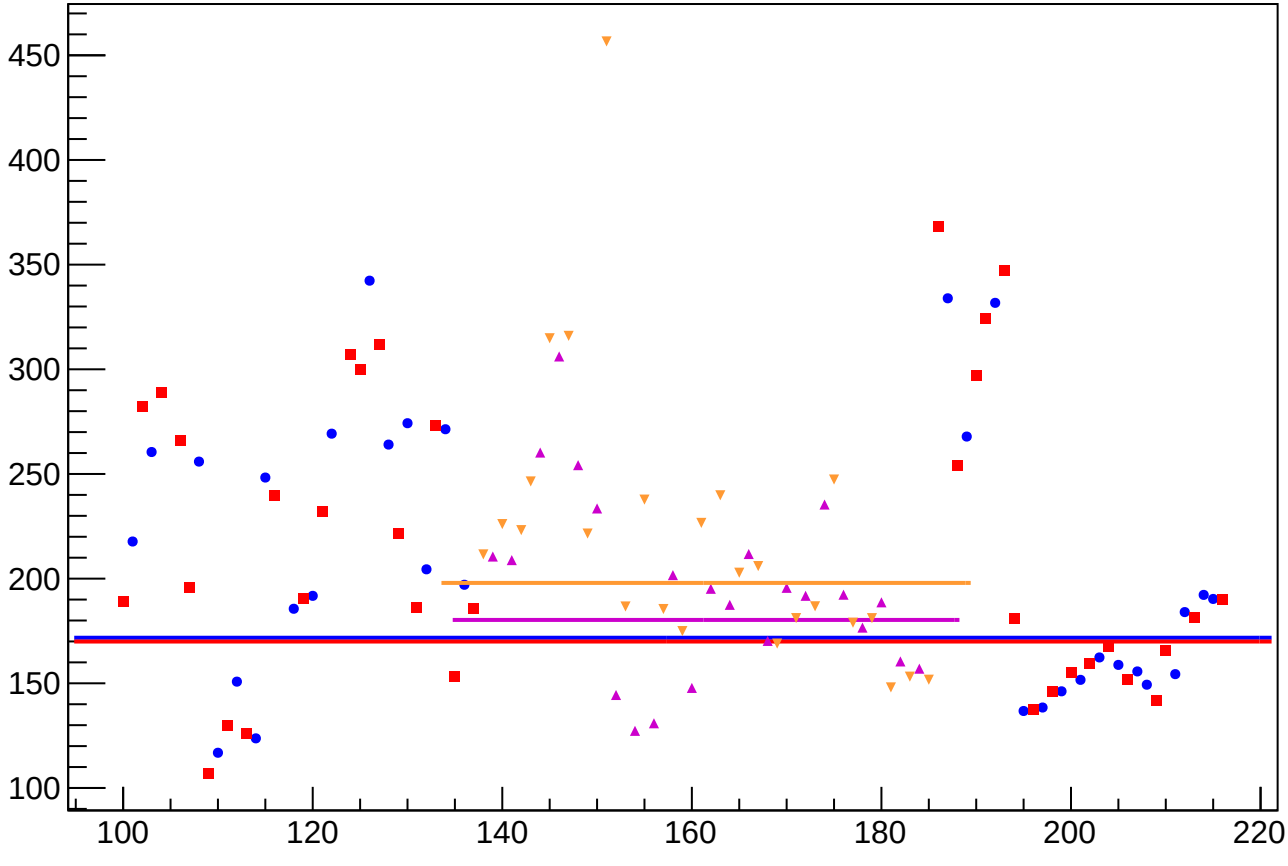
Right: -228.499+/-28.647 χ^2/NDF: 62.4/65

In: -62.653+/-29.860 χ^2/NDF:72.0/53

Out: -69.420+/-30.526 χ^2/NDF:80.5/59

All: -65.962+/-21.346 χ^2/NDF: 152.5/113

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: 169.955+/-0.029 χ^2/NDF: 3026619.2/34

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

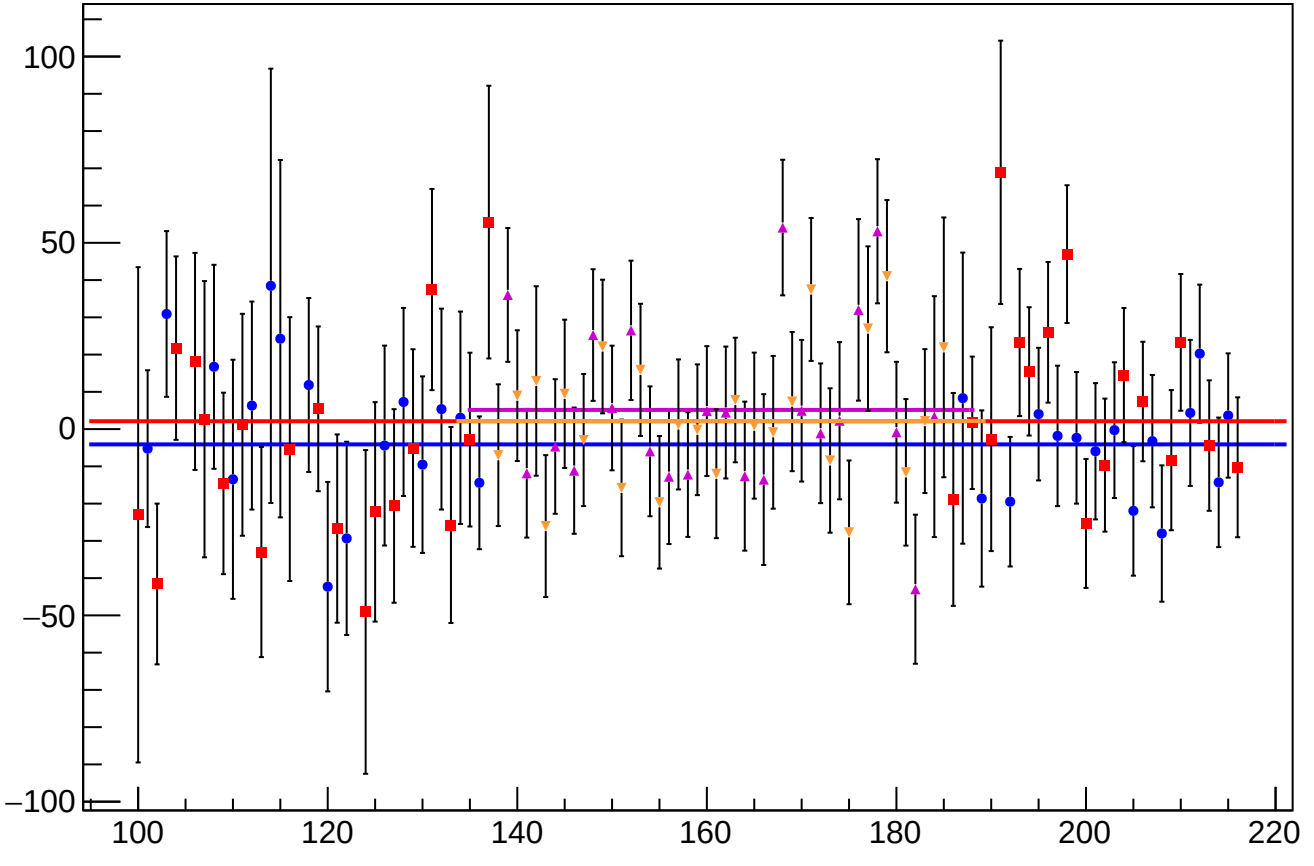
Right: 170.855+/-0.020 χ^2/NDF: 5368446.9/65

In: 175.684+/-0.021 χ^2/NDF:4004839.9/53

Out: 181.952+/-0.022 χ^2/NDF:5230101.2/59

All: 178.749+/-0.015 χ^2/NDF: 9278039.0/113

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: 2.116+/-3.843 χ^2/NDF: 35.6/34

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

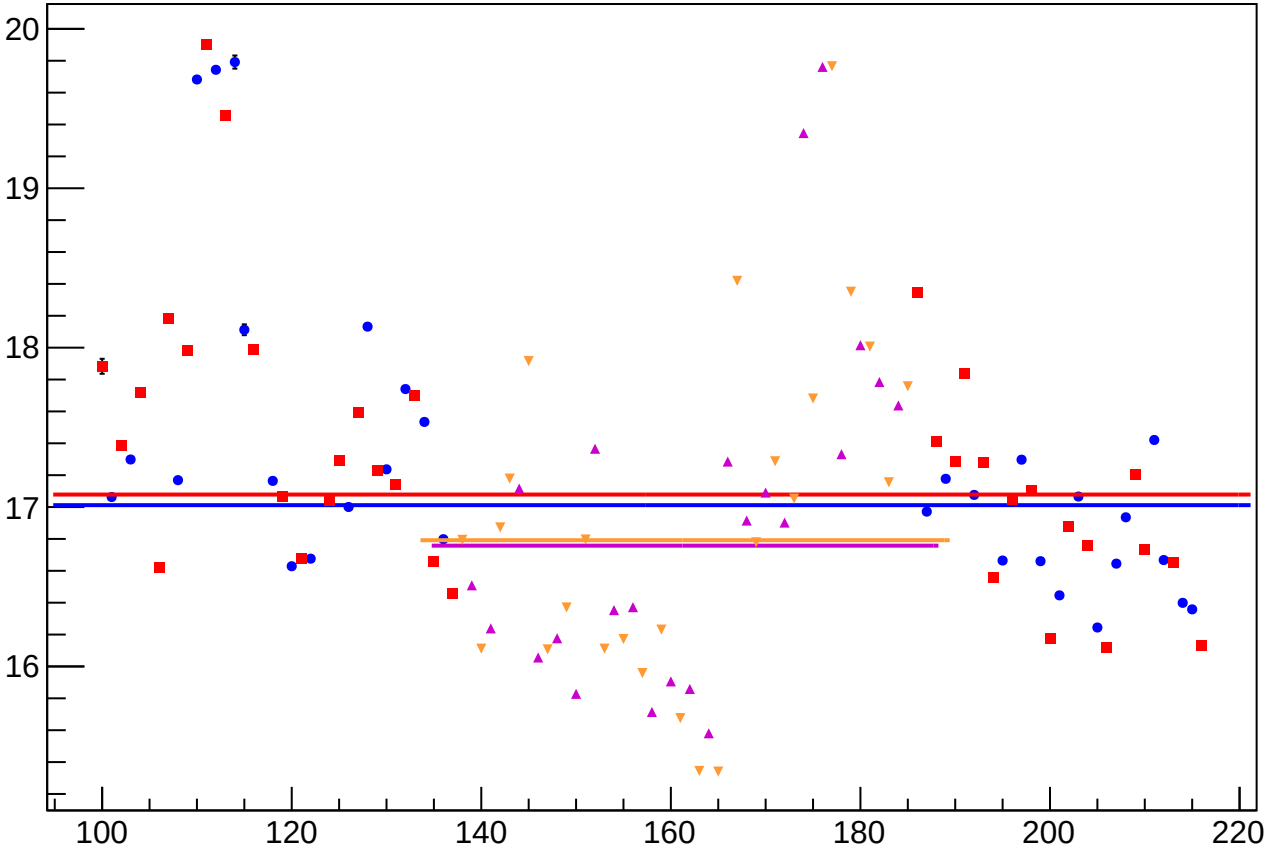
Right: -0.966+/-2.730 χ^2/NDF: 51.9/65

In: 0.469+/-2.758 χ^2/NDF:50.1/53

Out: 2.145+/-2.711 χ^2/NDF:55.6/59

All: 1.321+/-1.934 χ^2/NDF: 105.8/113

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: 17.078+/-0.003 χ^2/NDF: 72639.3/34

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

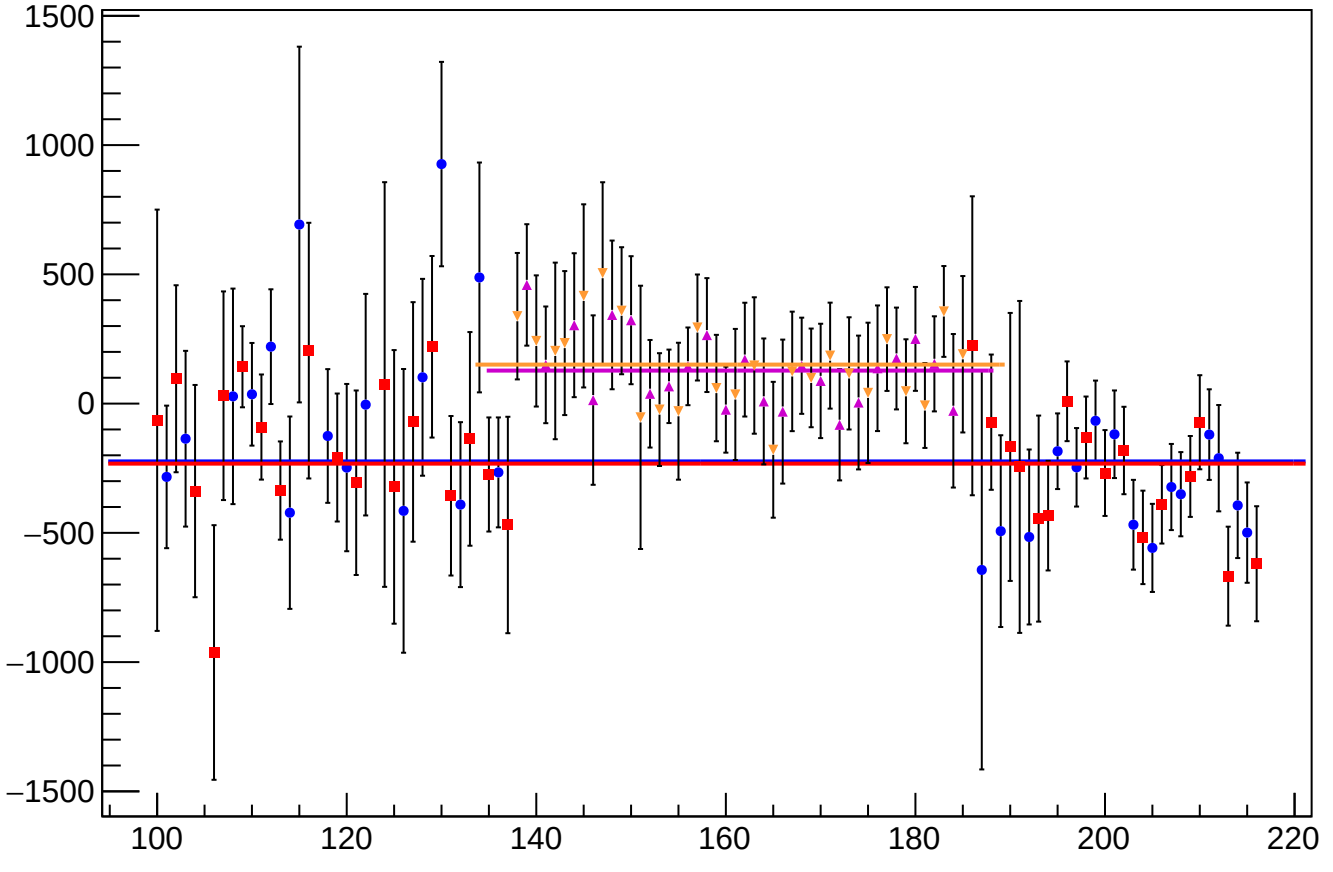
Right: 17.045+/-0.002 χ^2/NDF: 135244.4/65

In: 16.886+/-0.002 χ^2/NDF:189857.4/53

Out: 16.934+/-0.002 χ^2/NDF:215220.0/59

All: 16.911+/-0.001 χ^2/NDF: 405387.5/113

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: -232.228+/-40.668 χ^2/NDF: 31.2/34

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

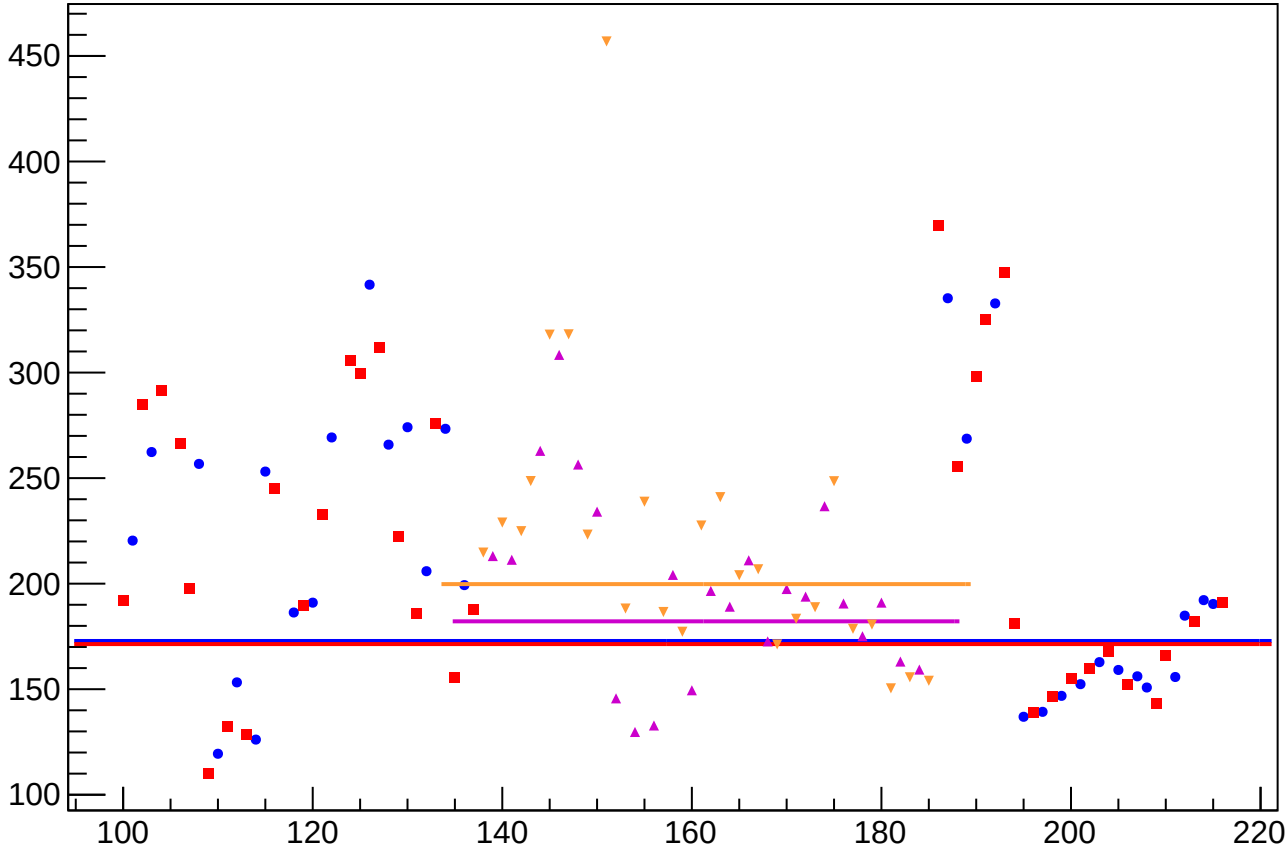
Right: -227.967+/-28.834 χ^2/NDF: 65.1/65

In: -62.529+/-30.085 χ^2/NDF:75.5/53

Out: -68.337+/-30.763 χ^2/NDF:79.2/59

All: -65.368+/-21.509 χ^2/NDF: 154.7/113

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.841+/-0.029 χ^2/NDF: 2314139.2/30

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 171.375+/-0.029 χ^2/NDF: 2957398.1/34

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

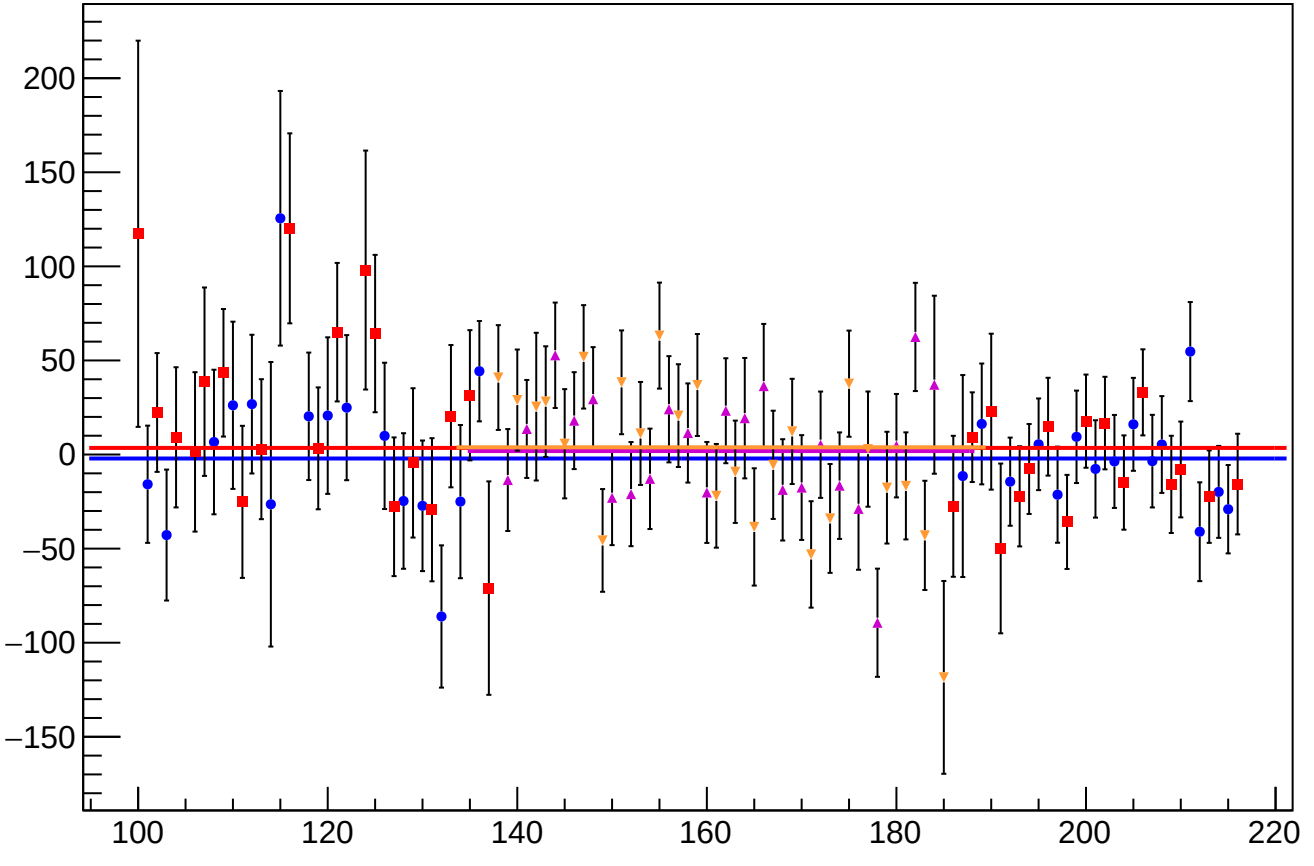
Right: 172.104+/-0.020 χ^2/NDF: 5272829.7/65

In: 177.110+/-0.021 χ^2/NDF:3946044.2/53

Out: 183.528+/-0.022 χ^2/NDF:5135252.1/59

All: 180.247+/-0.015 χ^2/NDF: 9125796.0/113

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: 3.522+/-5.386 χ^2/NDF: 31.9/34

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

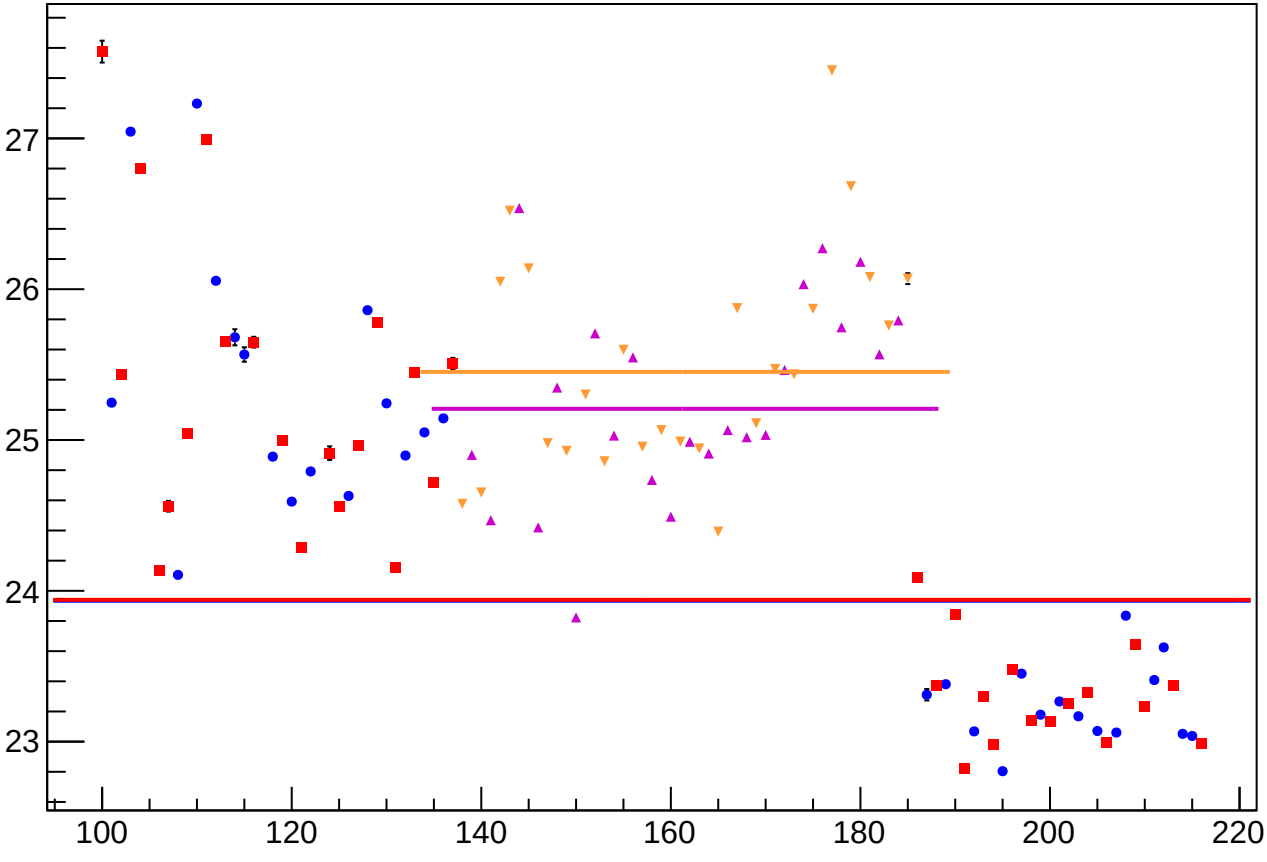
Right: 0.742+/-3.833 χ^2/NDF: 60.2/65

In: -0.282+/-4.003 χ^2/NDF:56.0/53

Out: 3.665+/-3.943 χ^2/NDF:69.6/59

All: 1.721+/-2.809 χ^2/NDF: 126.1/113

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: 23.940+/-0.004 χ^2/NDF: 77209.0/34

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

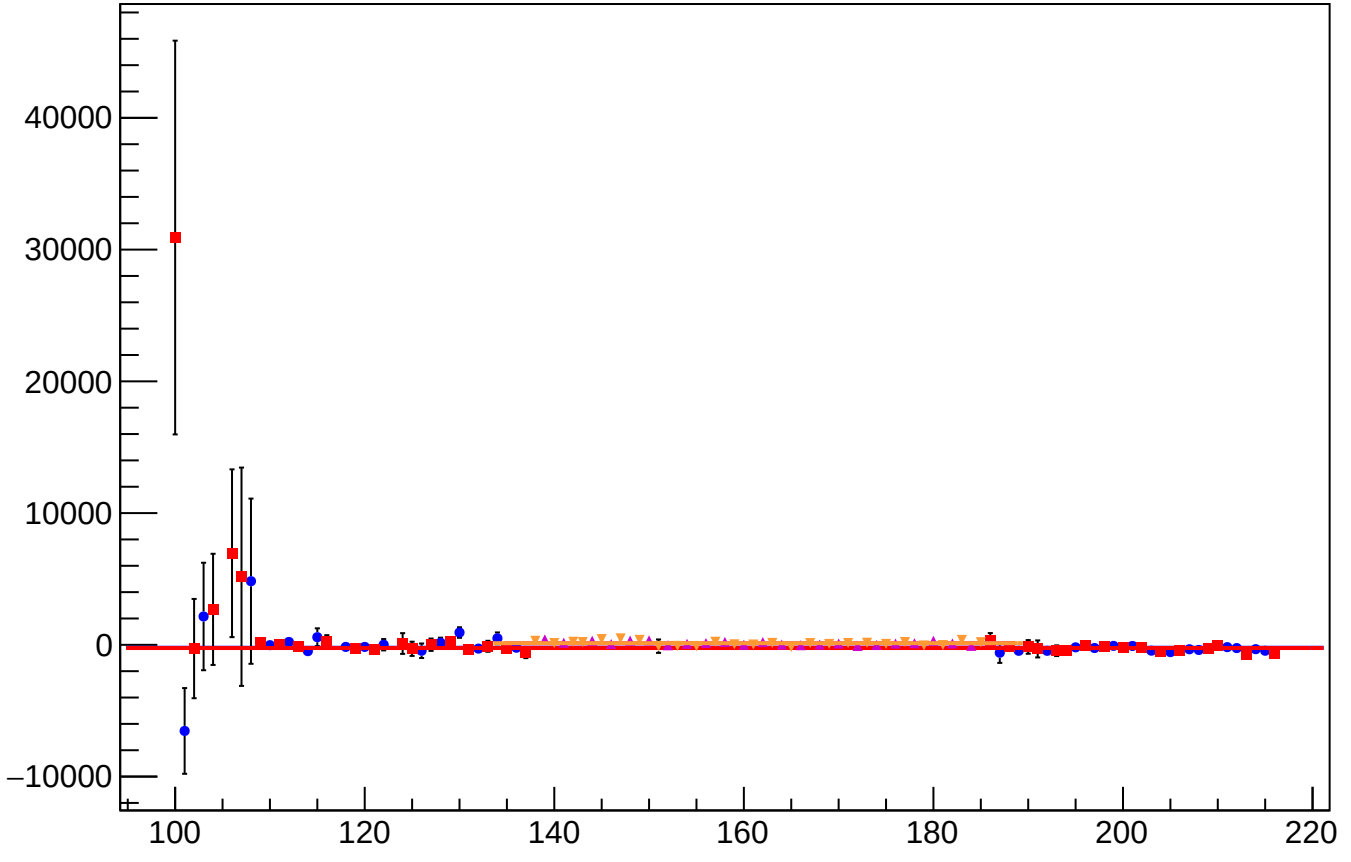
Right: 23.937+/-0.003 χ^2/NDF: 161230.4/65

In: 24.522+/-0.003 χ^2/NDF:160071.5/53

Out: 24.642+/-0.003 χ^2/NDF:179896.0/59

All: 24.583+/-0.002 χ^2/NDF: 340883.0/113

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: -242.385+/-42.830 χ^2/NDF: 34.7/34

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

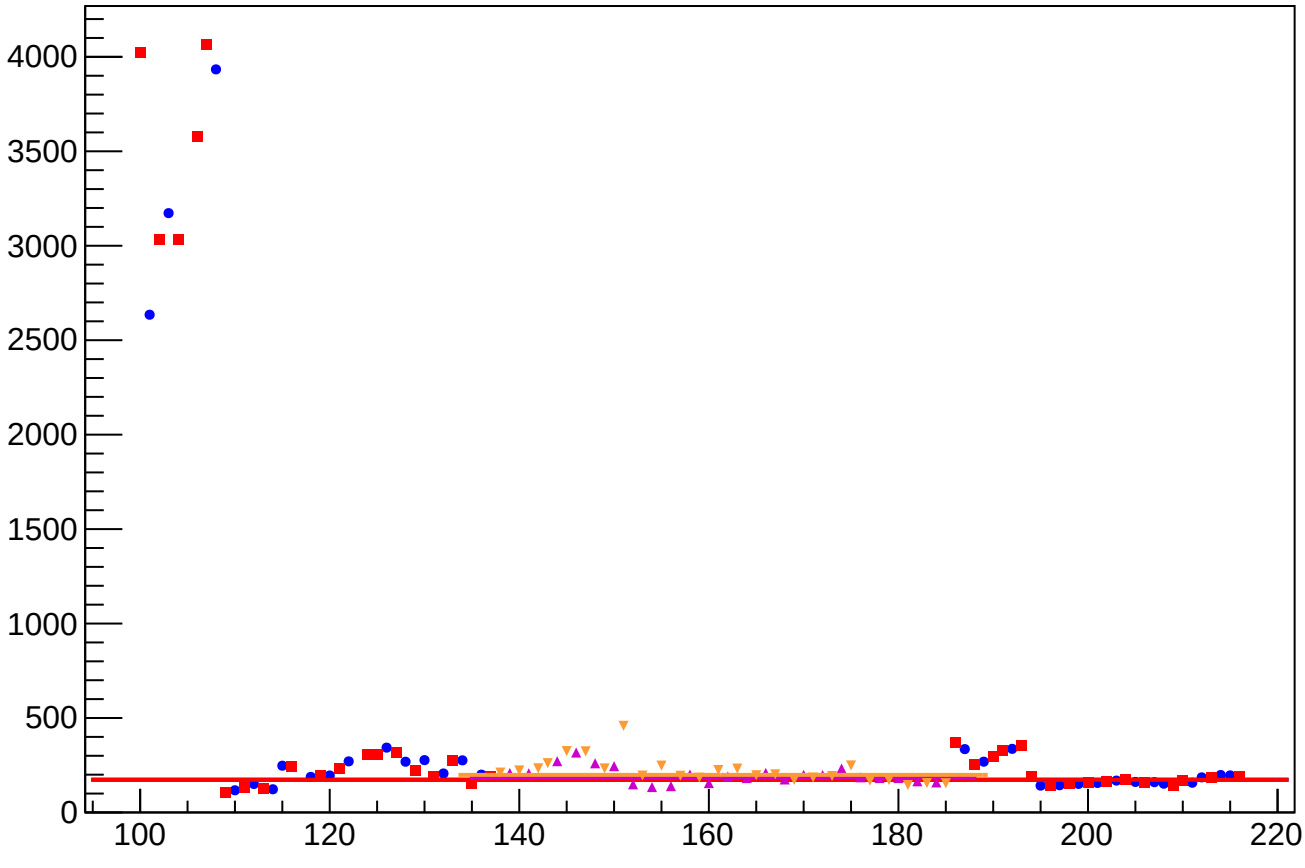
Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

Right: -232.031+/-30.199 χ^2/NDF: 69.9/65

In: -61.103+/-30.890 χ^2/NDF:73.1/53

Out: -75.348+/-31.634 χ^2/NDF:79.3/59

All: -68.056+/-22.101 χ^2/NDF: 152.5/113



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: 172.873+/-0.030 χ^2/NDF: 5603383.1/34

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

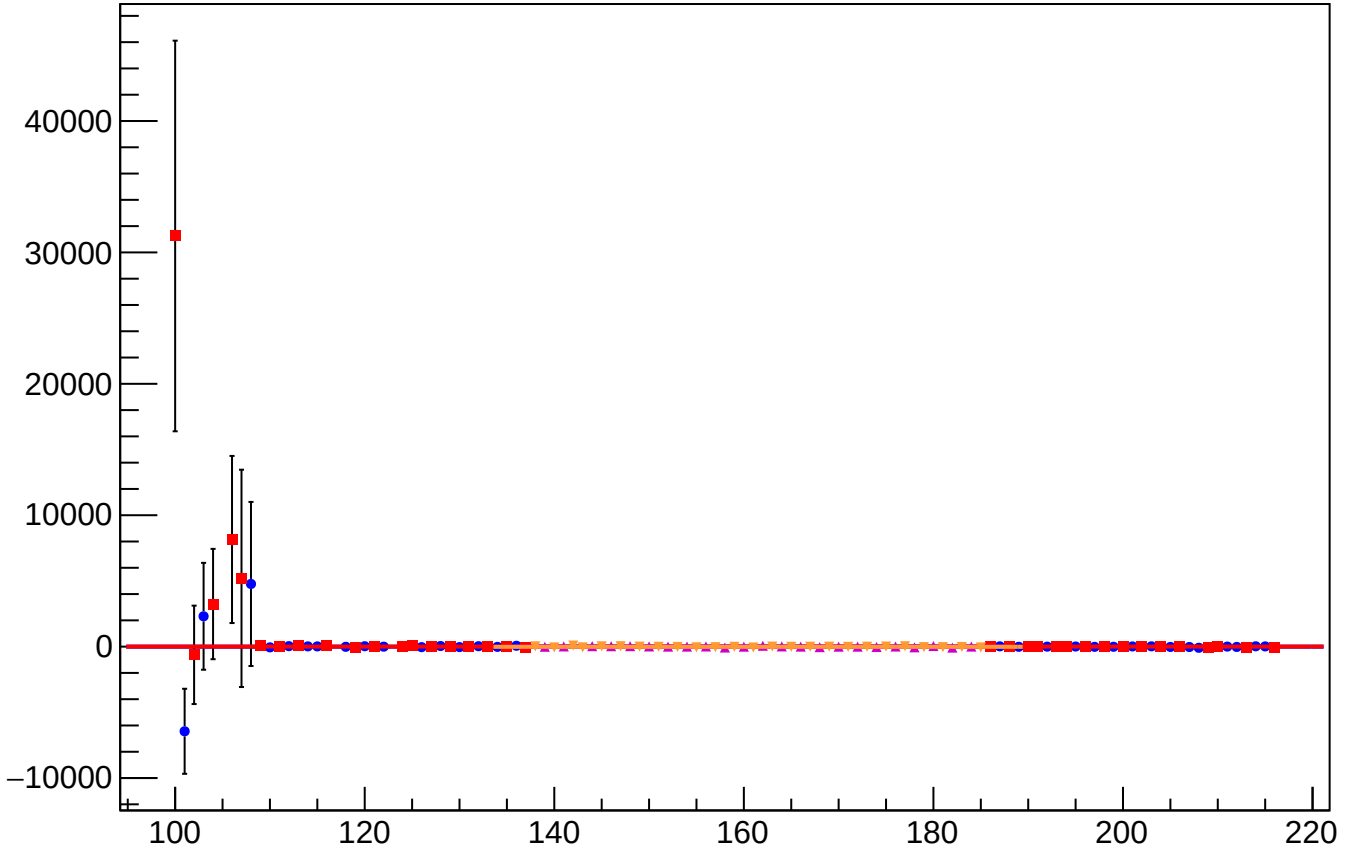
Right: 173.194+/-0.021 χ^2/NDF: 10540360.3/65

In: 178.671+/-0.022 χ^2/NDF:6445008.6/53

Out: 184.744+/-0.022 χ^2/NDF:7843599.3/59

All: 181.635+/-0.016 χ^2/NDF: 14326347.1/11

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: 2.994+/-6.510 χ^2/NDF: 43.1/34

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

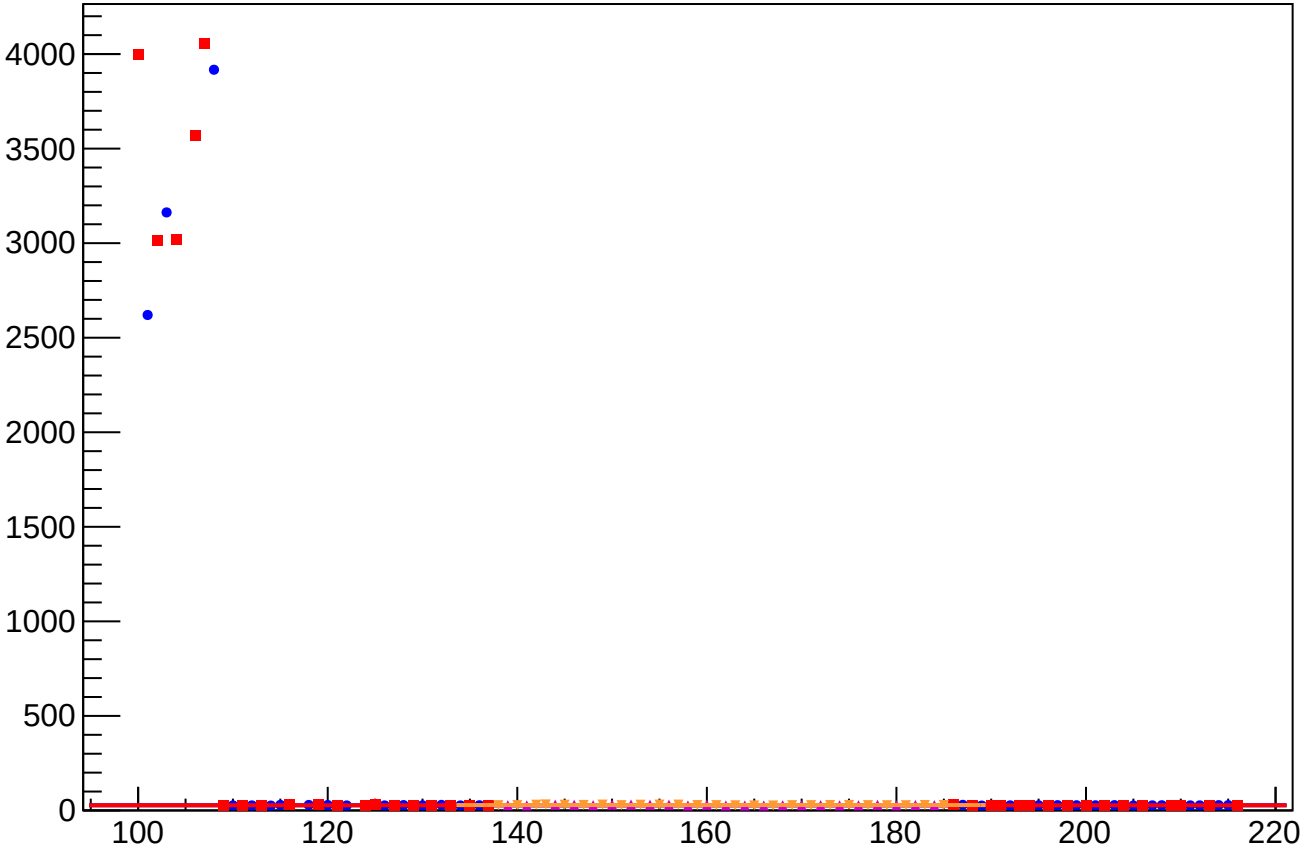
Right: 0.520+/-4.611 χ^2/NDF: 73.5/65

In: 0.047+/-4.679 χ^2/NDF:58.6/53

Out: -5.914+/-4.604 χ^2/NDF:69.1/59

All: -2.982+/-3.282 χ^2/NDF: 128.5/113

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: 27.360+/-0.005 χ^2/NDF: 3595986.7/34

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

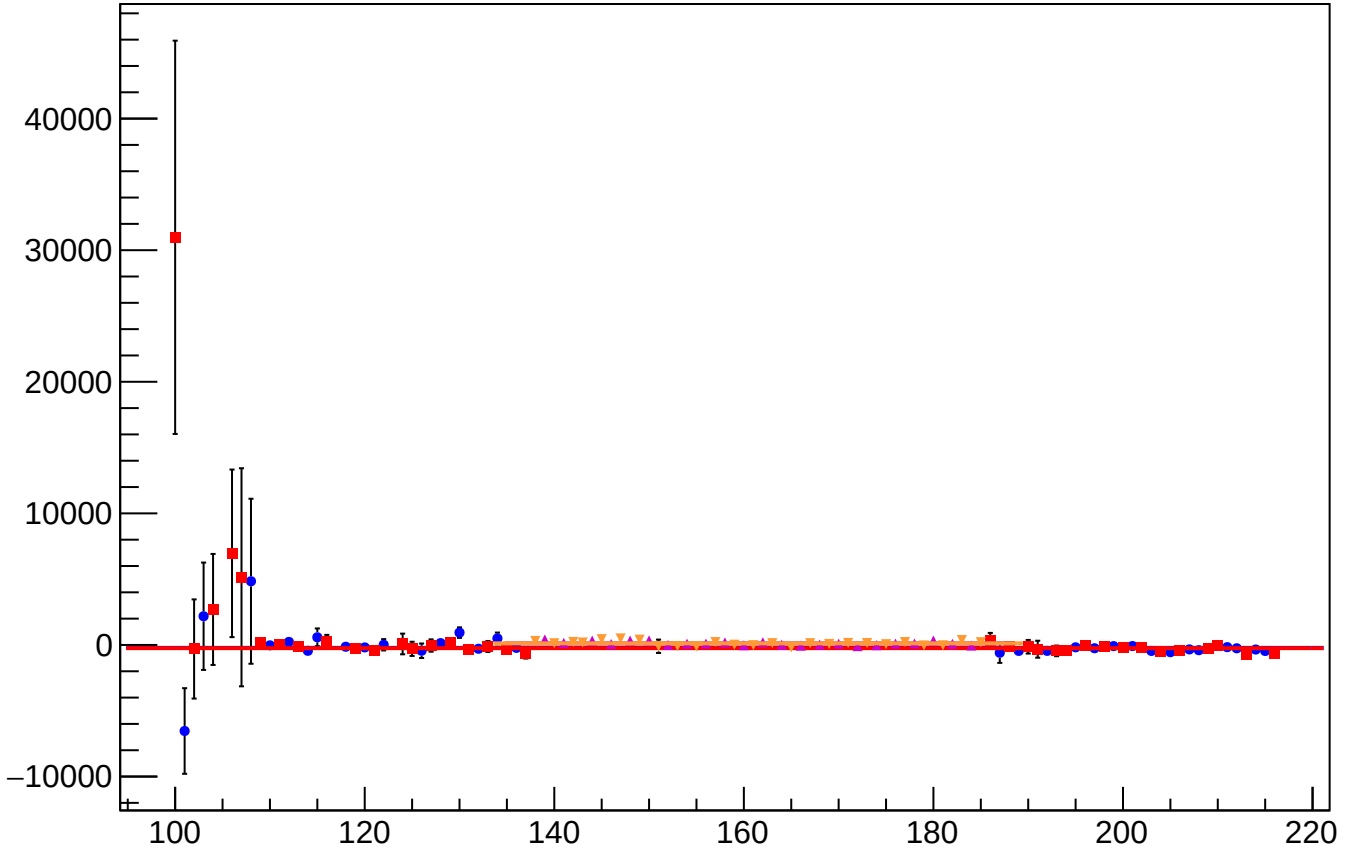
Right: 27.395+/-0.003 χ^2/NDF: 6880055.1/65

In: 28.003+/-0.003 χ^2/NDF:3438382.5/53

Out: 27.973+/-0.003 χ^2/NDF:3719562.6/59

All: 27.988+/-0.002 χ^2/NDF: 7157988.7/113

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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: -243.397+/-42.709 χ^2/NDF: 35.7/34

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

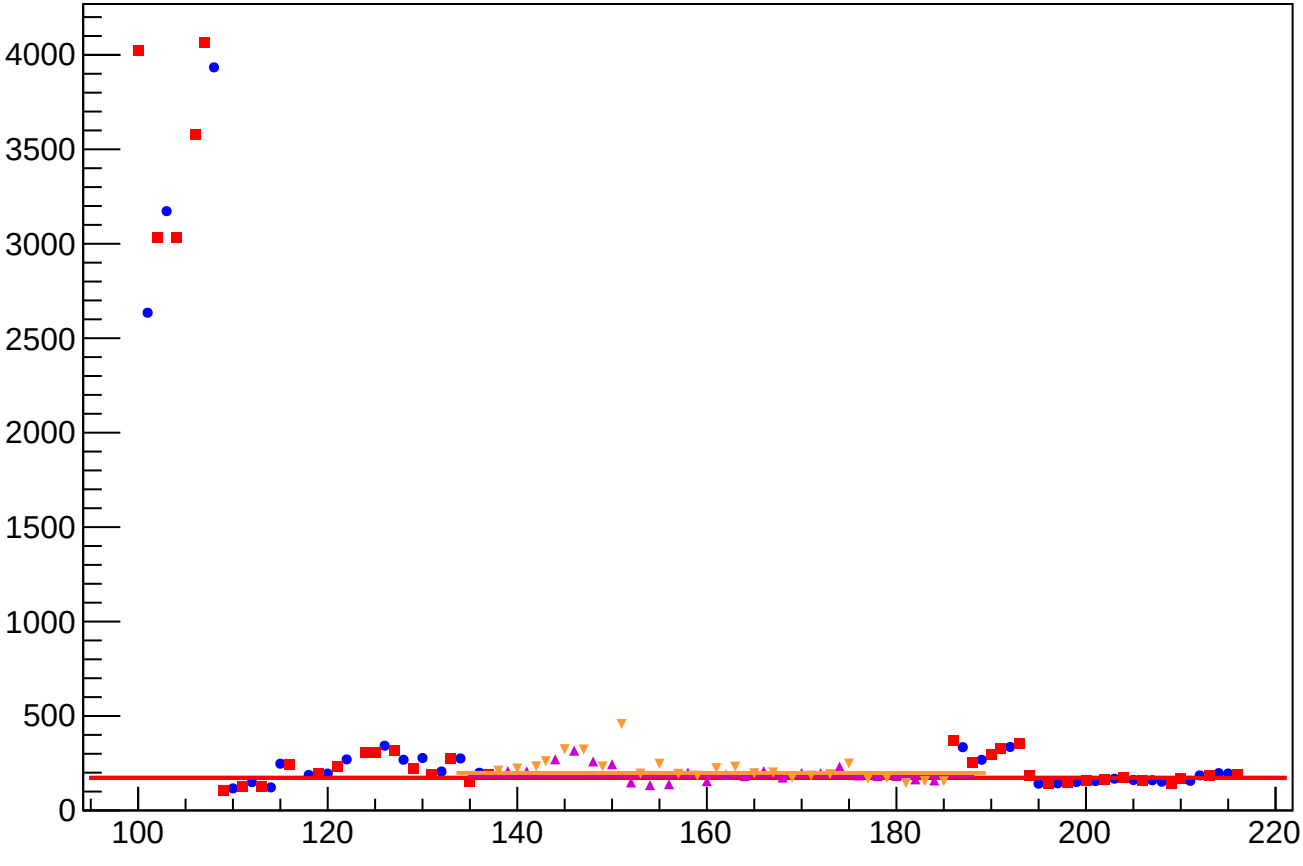
Right: -233.266+/-30.113 χ^2/NDF: 71.5/65

In: -62.535+/-30.814 χ^2/NDF:74.3/53

Out: -77.499+/-31.555 χ^2/NDF:80.9/59

All: -69.840+/-22.046 χ^2/NDF: 155.4/113

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: 172.337+/-0.030 χ^2/NDF: 5622148.4/34

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

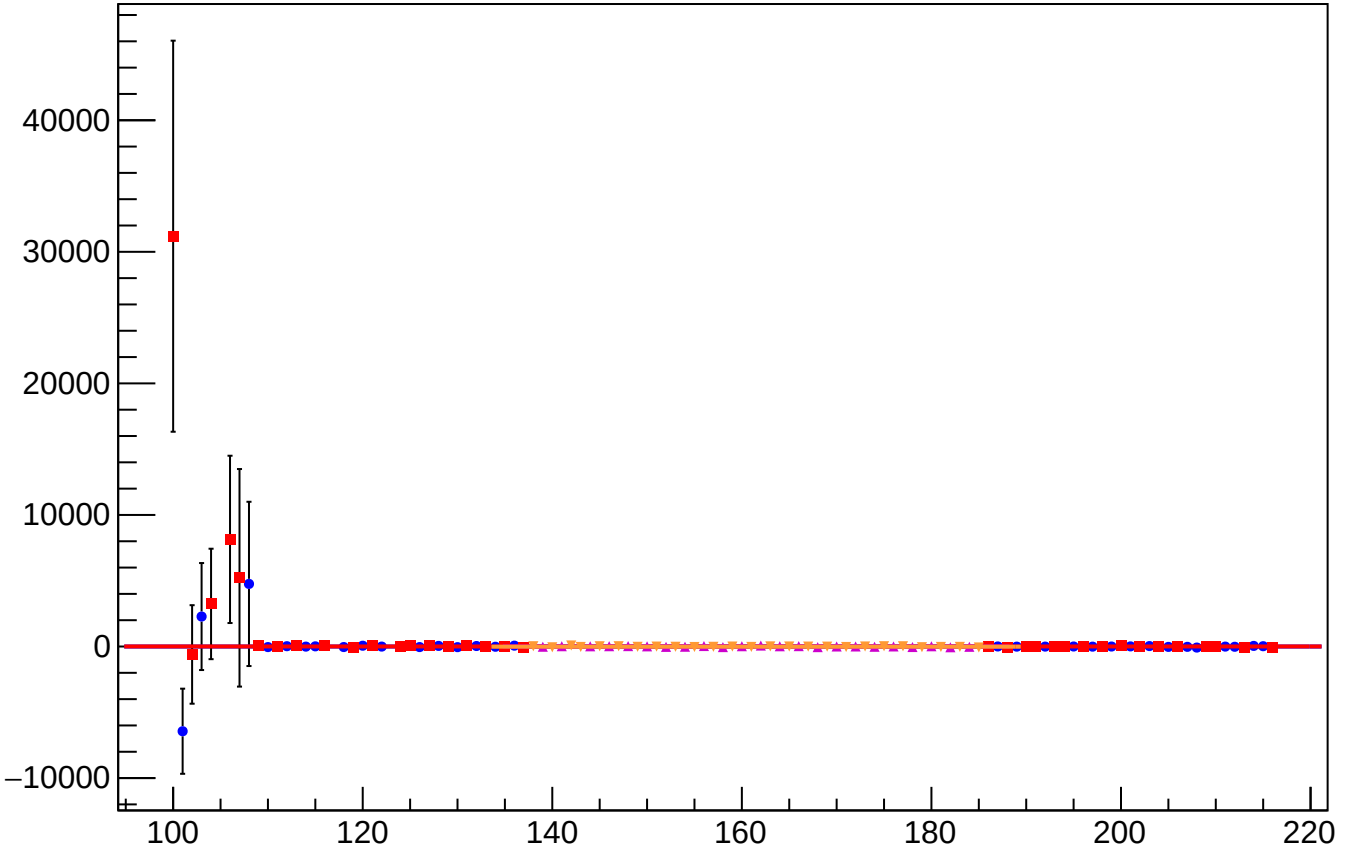
Right: 172.657+/-0.021 χ^2/NDF: 10572879.0/65

In: 178.217+/-0.022 χ^2/NDF:6460377.4/53

Out: 184.251+/-0.022 χ^2/NDF:7866316.3/59

All: 181.162+/-0.016 χ^2/NDF: 14364122.9/1

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: 4.624+/-6.480 χ^2/NDF: 40.8/34

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

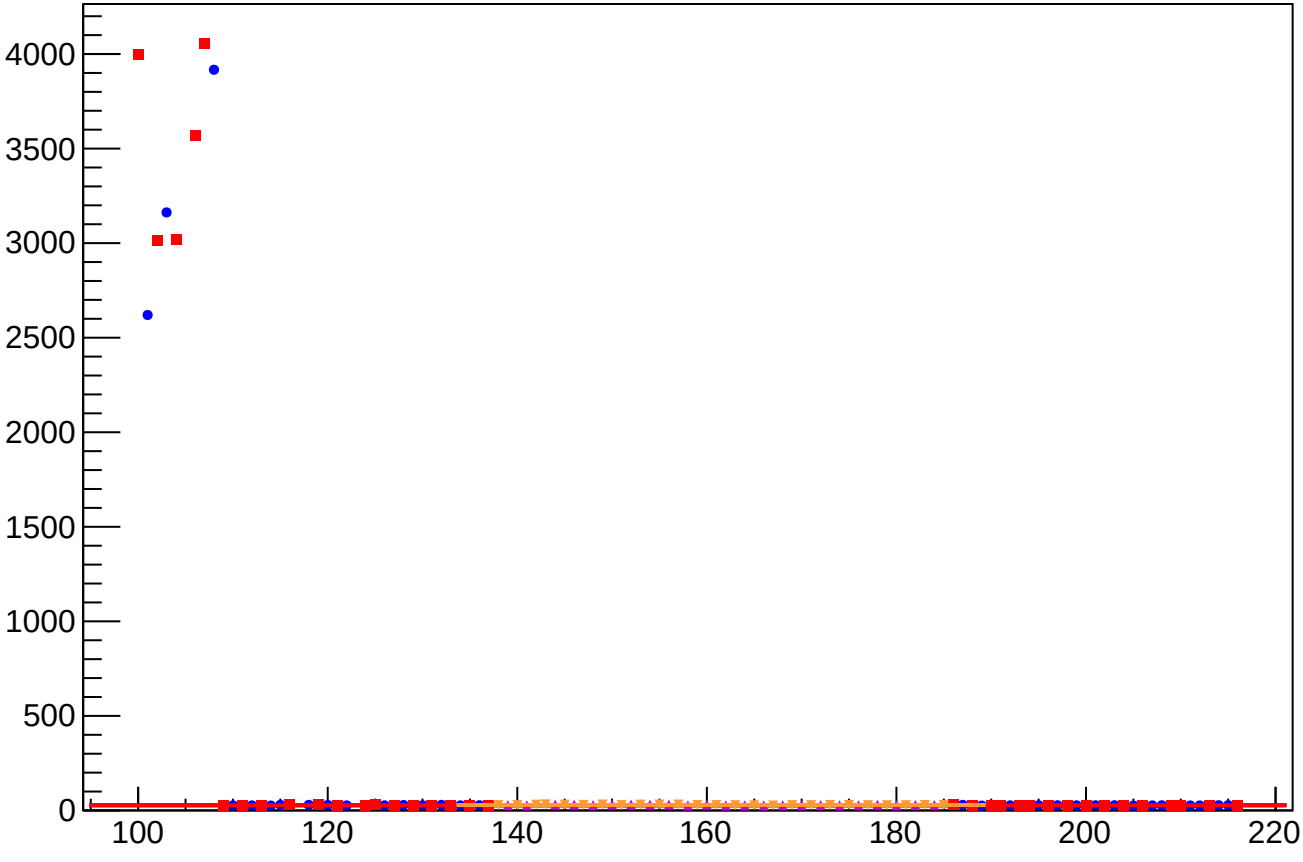
Right: 1.473+/-4.588 χ^2/NDF: 74.2/65

In: 0.365+/-4.675 χ^2/NDF:55.3/53

Out: -3.543+/-4.603 χ^2/NDF:61.9/59

All: -1.619+/-3.280 χ^2/NDF: 117.5/113

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: 27.233+/-0.005 χ^2/NDF: 3600568.5/34

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

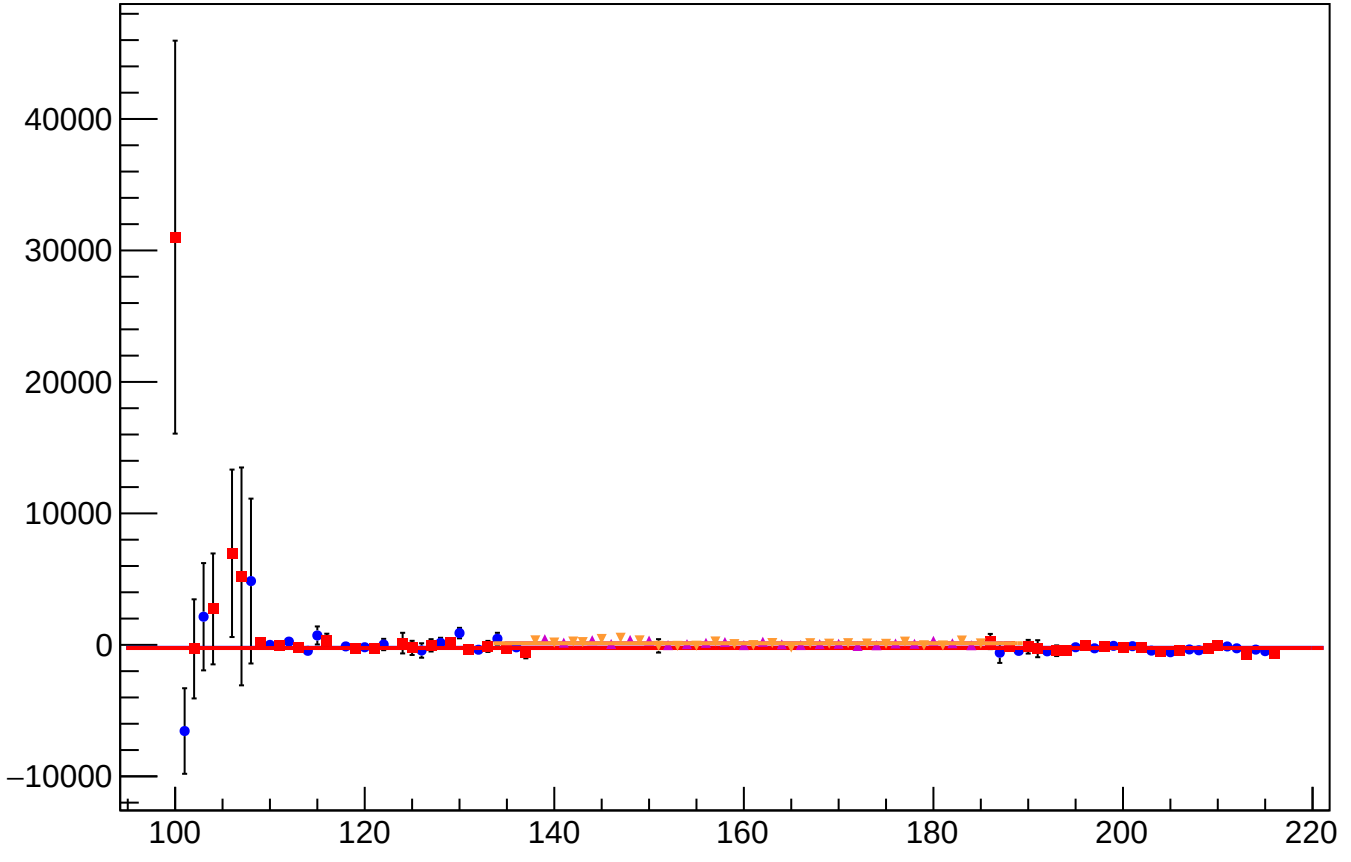
Right: 27.254+/-0.003 χ^2/NDF: 6890508.0/65

In: 27.976+/-0.003 χ^2/NDF:3465452.1/53

Out: 27.963+/-0.003 χ^2/NDF:3750724.6/59

All: 27.969+/-0.002 χ^2/NDF: 7216184.0/113

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: -240.510+/-43.029 χ^2/NDF: 34.9/34

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

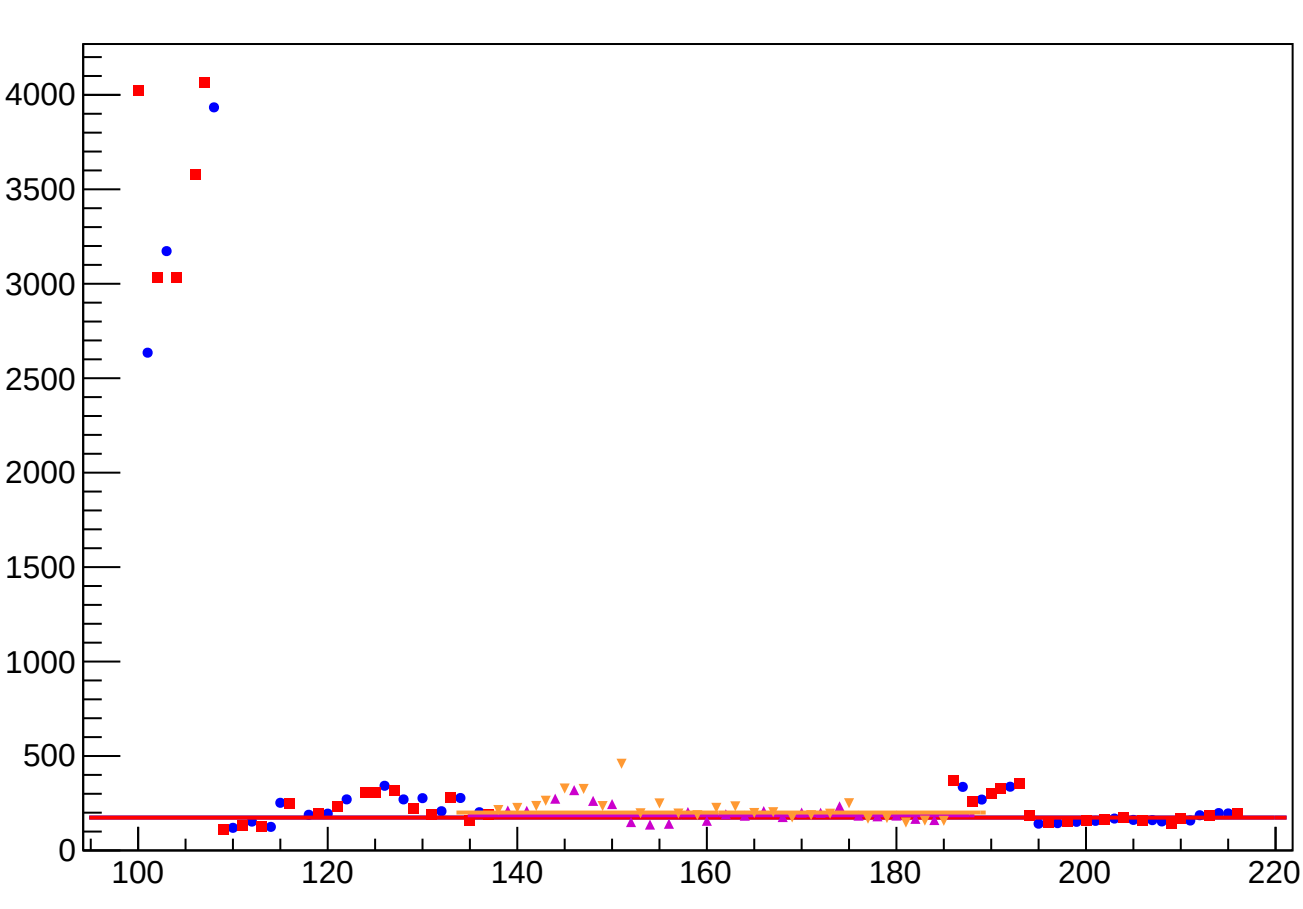
Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

Right: -232.265+/-30.332 χ^2/NDF: 72.1/65

In: -60.408+/-31.087 χ^2/NDF:76.6/53

Out: -75.963+/-31.829 χ^2/NDF:78.6/59

All: -68.002+/-22.239 χ^2/NDF: 155.3/113



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: 173.814+/-0.030 χ^2/NDF: 5558509.8/34

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

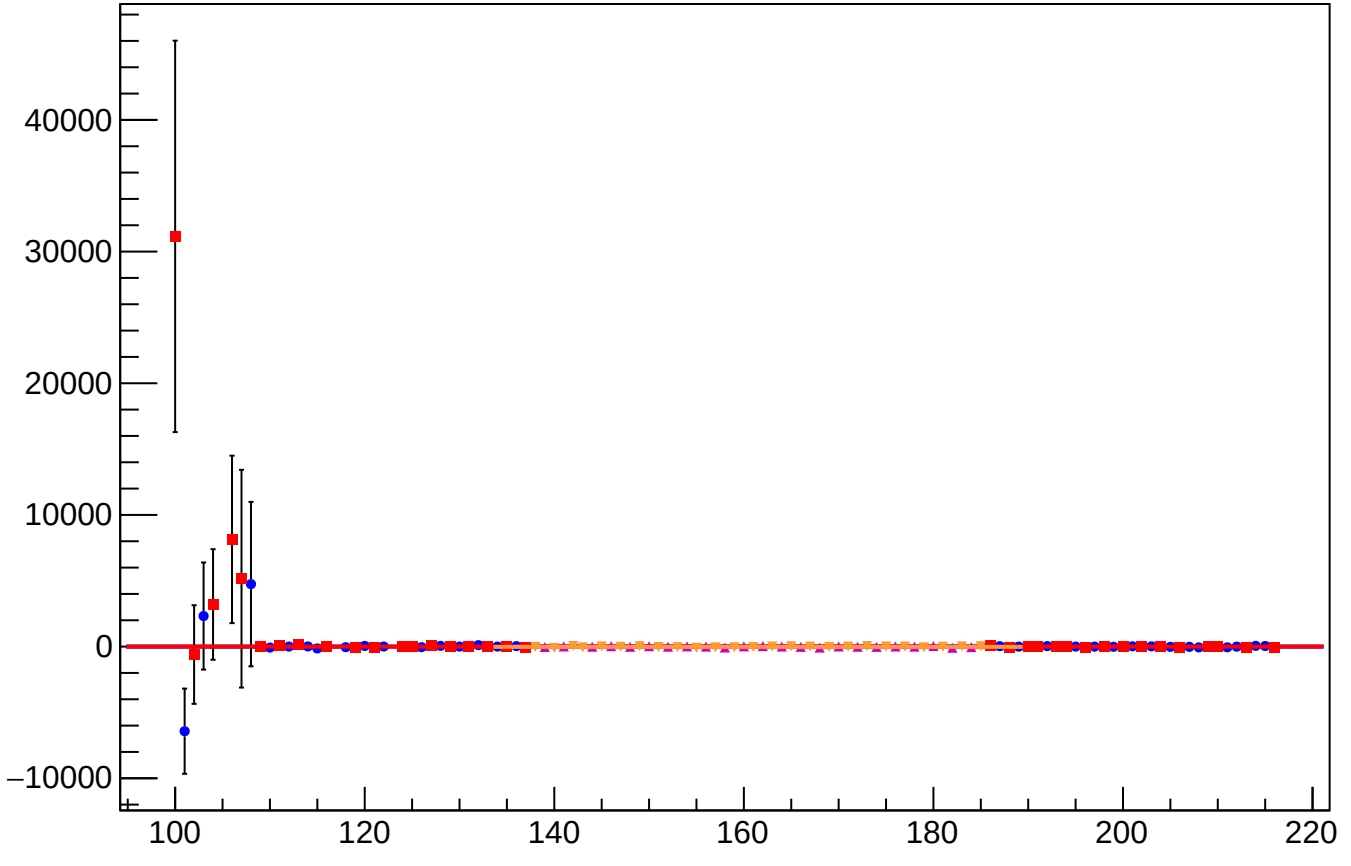
Right: 174.061+/-0.021 χ^2/NDF: 10471762.6/65

In: 179.900+/-0.022 χ^2/NDF:6399092.0/53

Out: 185.982+/-0.023 χ^2/NDF:7791808.3/59

All: 182.869+/-0.016 χ^2/NDF: 14228275.2/11

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: -2.389+/-7.911 χ^2/NDF: 36.1/34

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

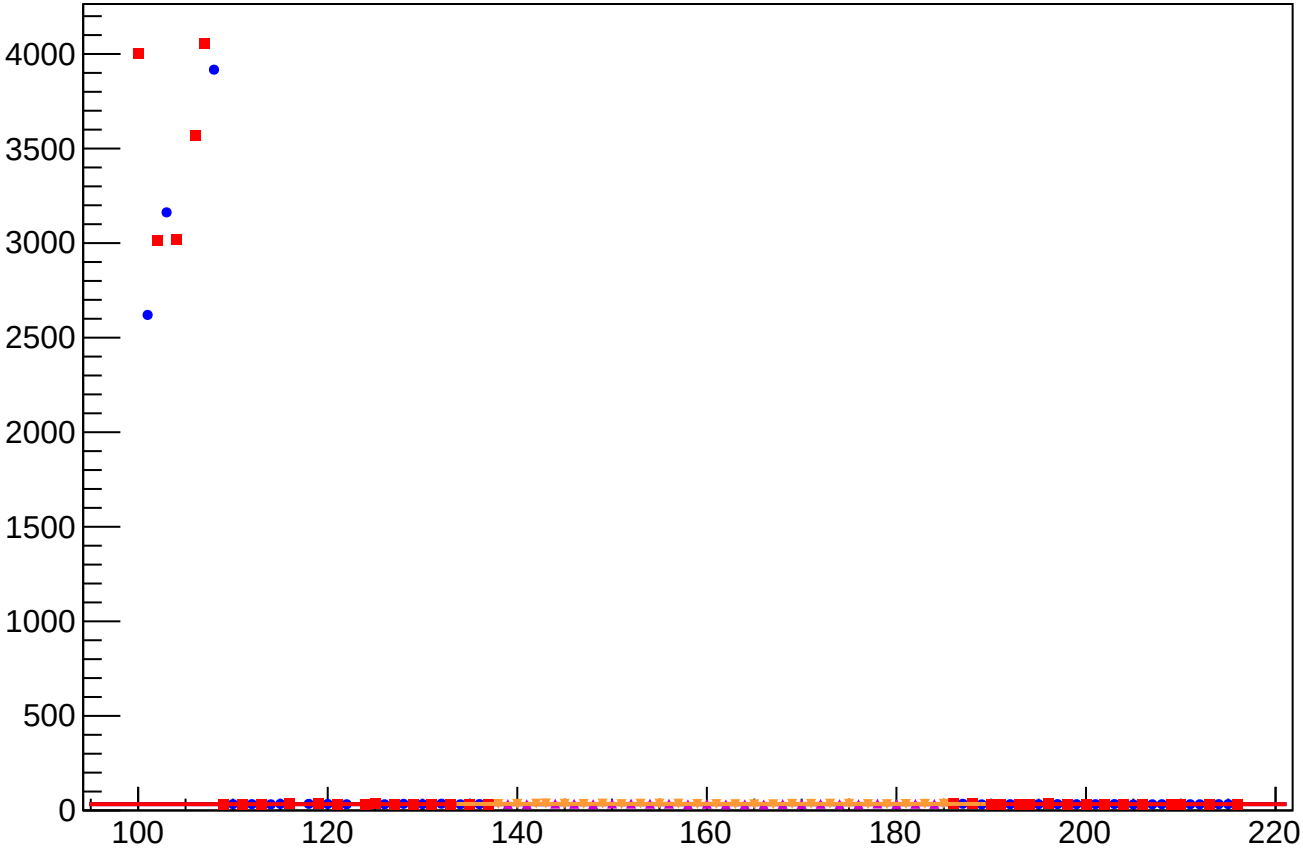
Right: 0.225+/-5.598 χ^2/NDF: 66.0/65

In: -0.522+/-5.659 χ^2/NDF:48.9/53

Out: -11.899+/-5.567 χ^2/NDF:61.9/59

All: -6.303+/-3.968 χ^2/NDF: 112.9/113

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: 33.291+/-0.006 χ^2/NDF: 3552382.3/34

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

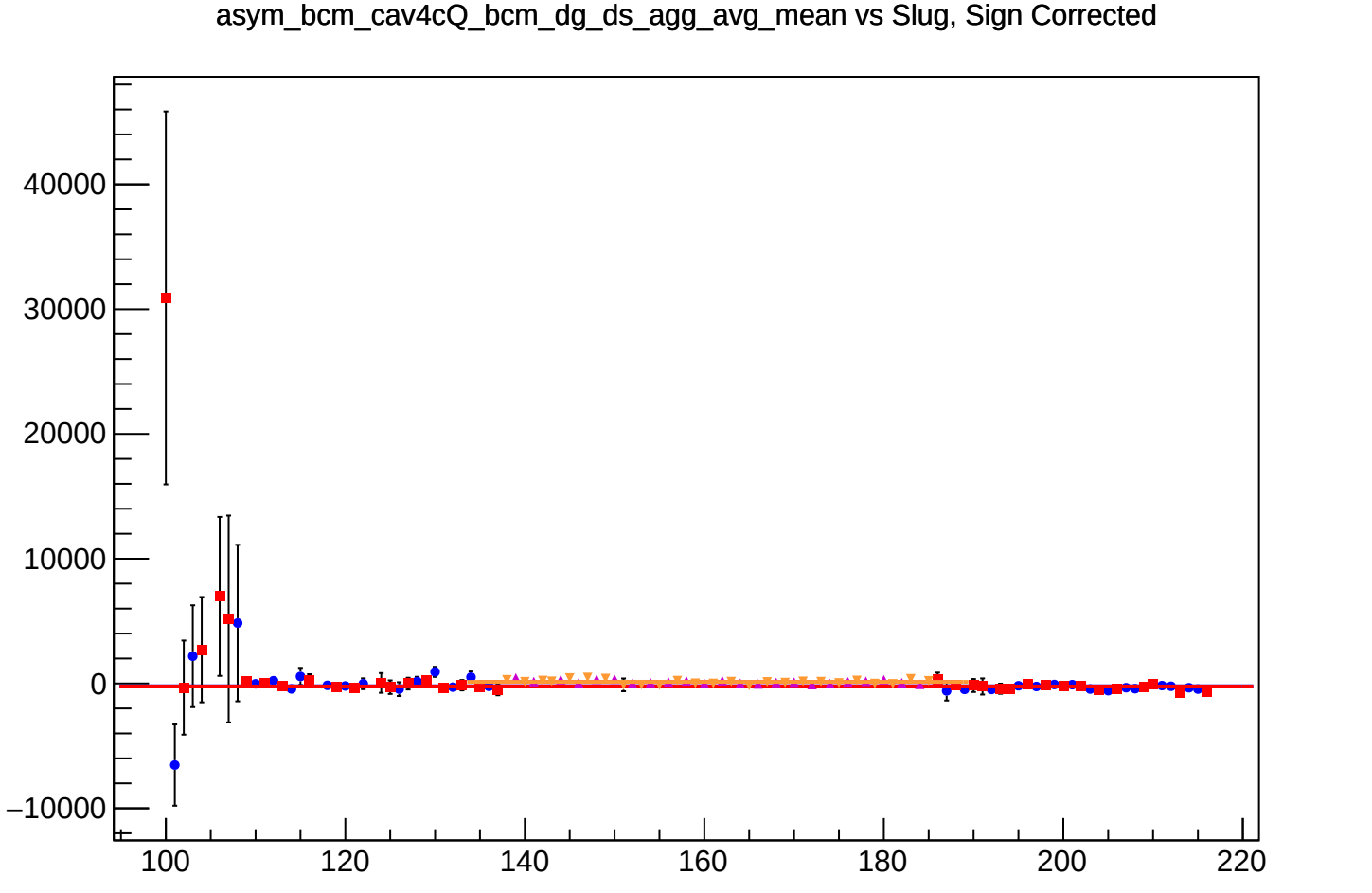
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.293+/-0.004 χ^2/NDF: 6809464.9/65

In: 33.911+/-0.004 χ^2/NDF:3341019.4/53

Out: 33.870+/-0.004 χ^2/NDF:3618324.6/59

All: 33.890+/-0.003 χ^2/NDF: 6959397.1/113



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: -240.258+/-42.879 χ^2/NDF: 33.9/34

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

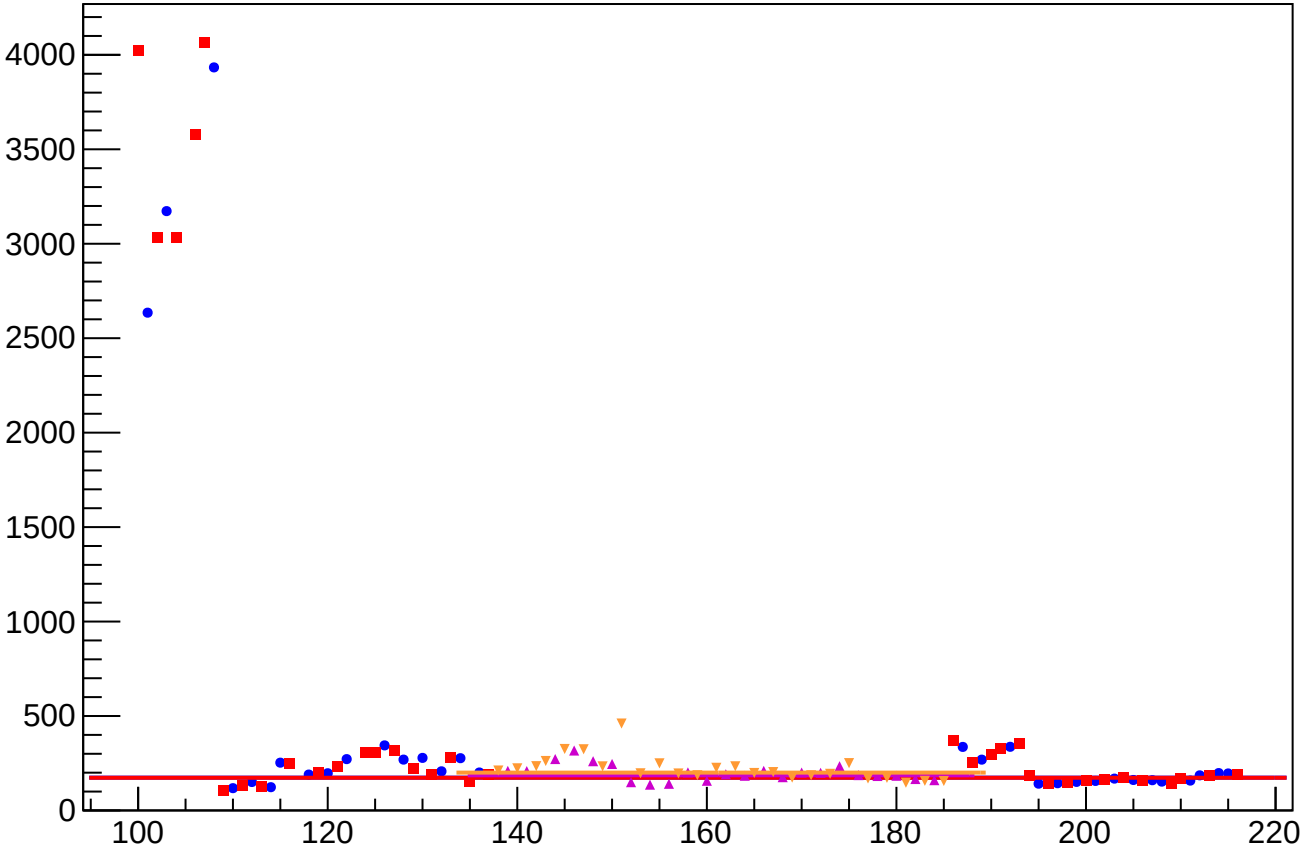
Right: -233.778+/-30.236 χ^2/NDF: 69.7/65

In: -62.469+/-31.016 χ^2/NDF:75.5/53

Out: -74.001+/-31.746 χ^2/NDF:78.8/59

All: -68.101+/-22.186 χ^2/NDF: 154.4/113

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: 173.066+/-0.030 χ^2/NDF: 5609639.5/34

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

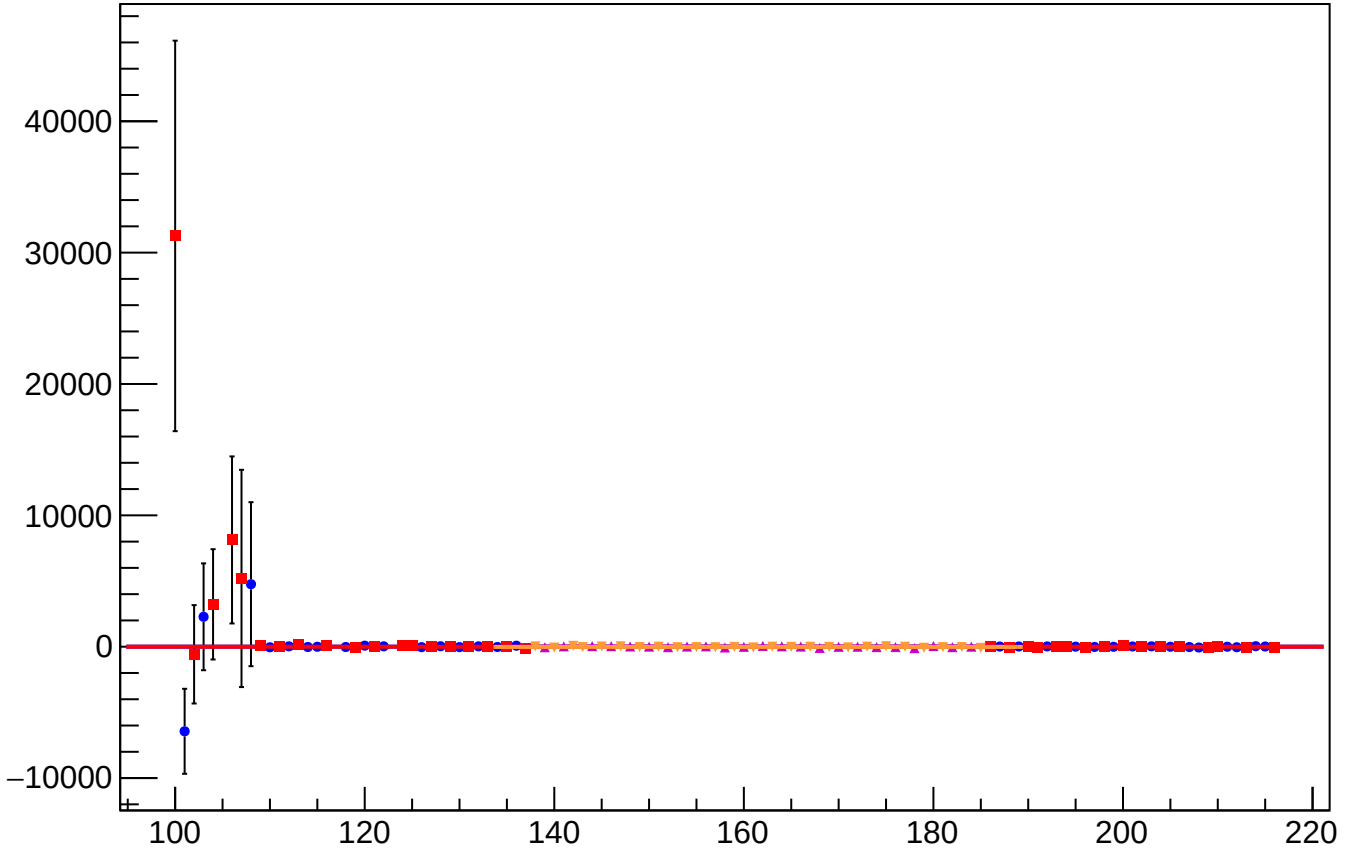
Right: 173.391+/-0.021 χ^2/NDF: 10554439.6/65

In: 179.438+/-0.022 χ^2/NDF:6426669.2/53

Out: 185.404+/-0.022 χ^2/NDF:7852646.9/59

All: 182.352+/-0.016 χ^2/NDF: 14315452.8/11

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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: -1.830+/-7.155 χ^2/NDF: 46.4/34

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

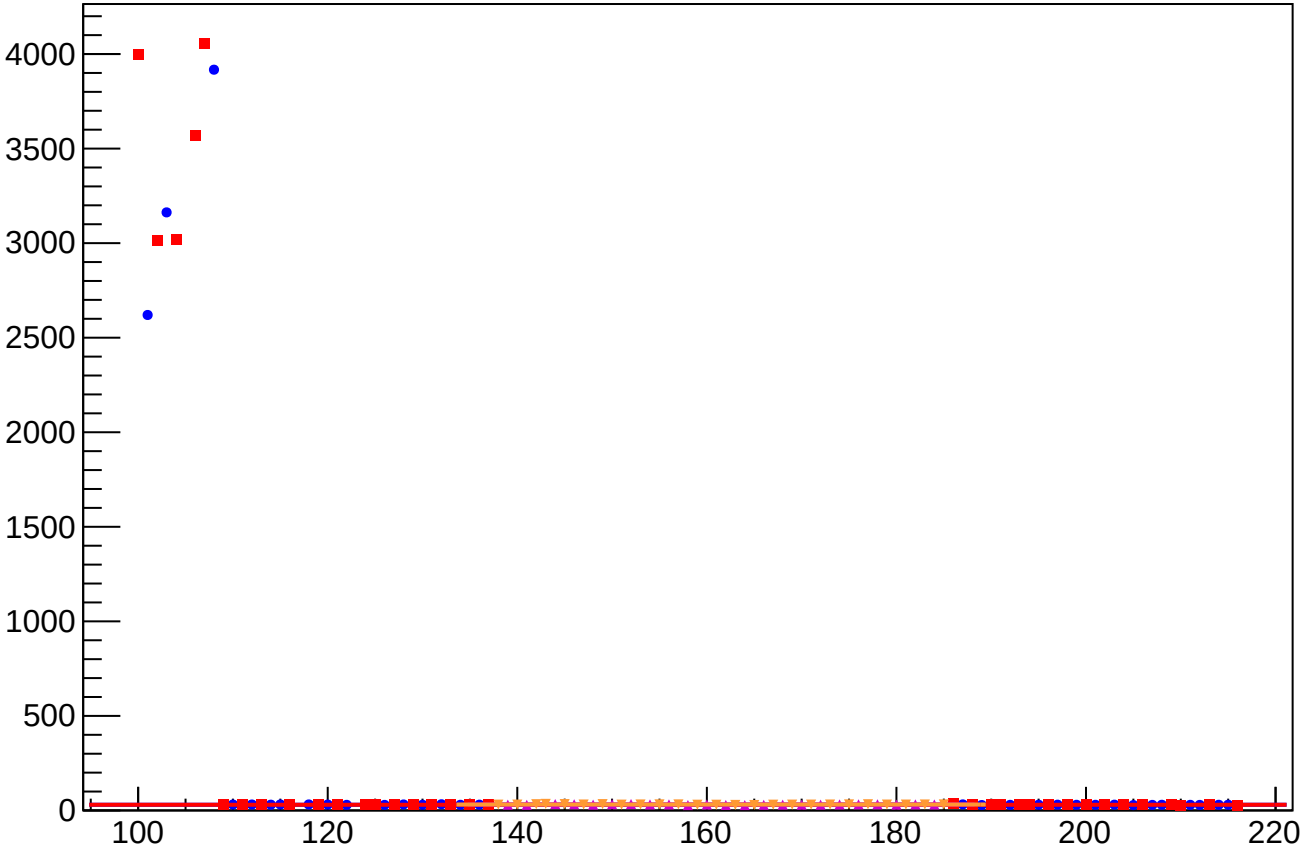
Right: 0.799+/-5.065 χ^2/NDF: 72.5/65

In: 0.440+/-5.132 χ^2/NDF:61.7/53

Out: -10.229+/-5.052 χ^2/NDF:69.6/59

All: -4.978+/-3.600 χ^2/NDF: 133.4/113

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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: 30.088+/-0.005 χ^2/NDF: 3574148.8/34

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

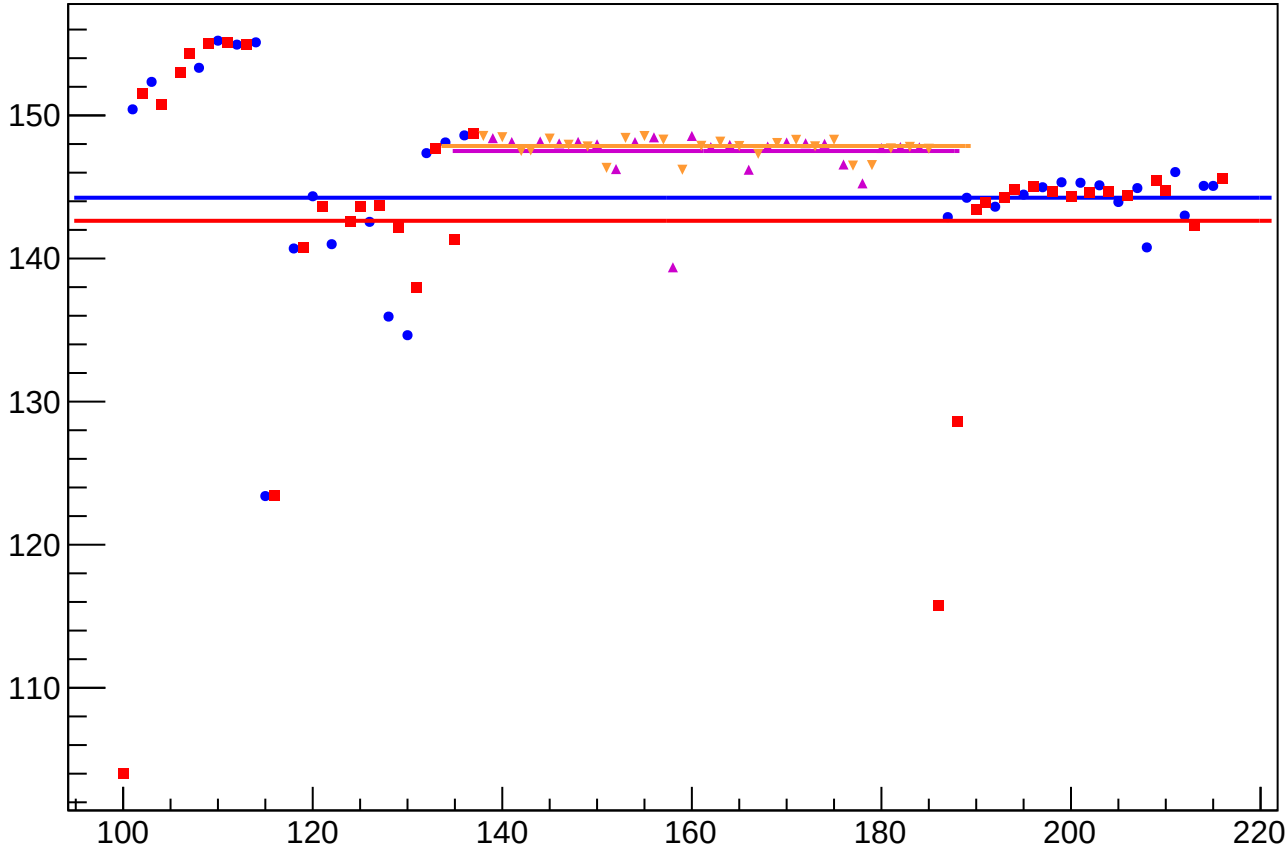
Right: 30.098+/-0.004 χ^2/NDF: 6849688.2/65

In: 30.729+/-0.004 χ^2/NDF:3391387.8/53

Out: 30.716+/-0.004 χ^2/NDF:3667882.3/59

All: 30.722+/-0.003 χ^2/NDF: 7059276.8/113

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: 142.635+/-0.000 χ^2/NDF: 7597199521.9/34

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

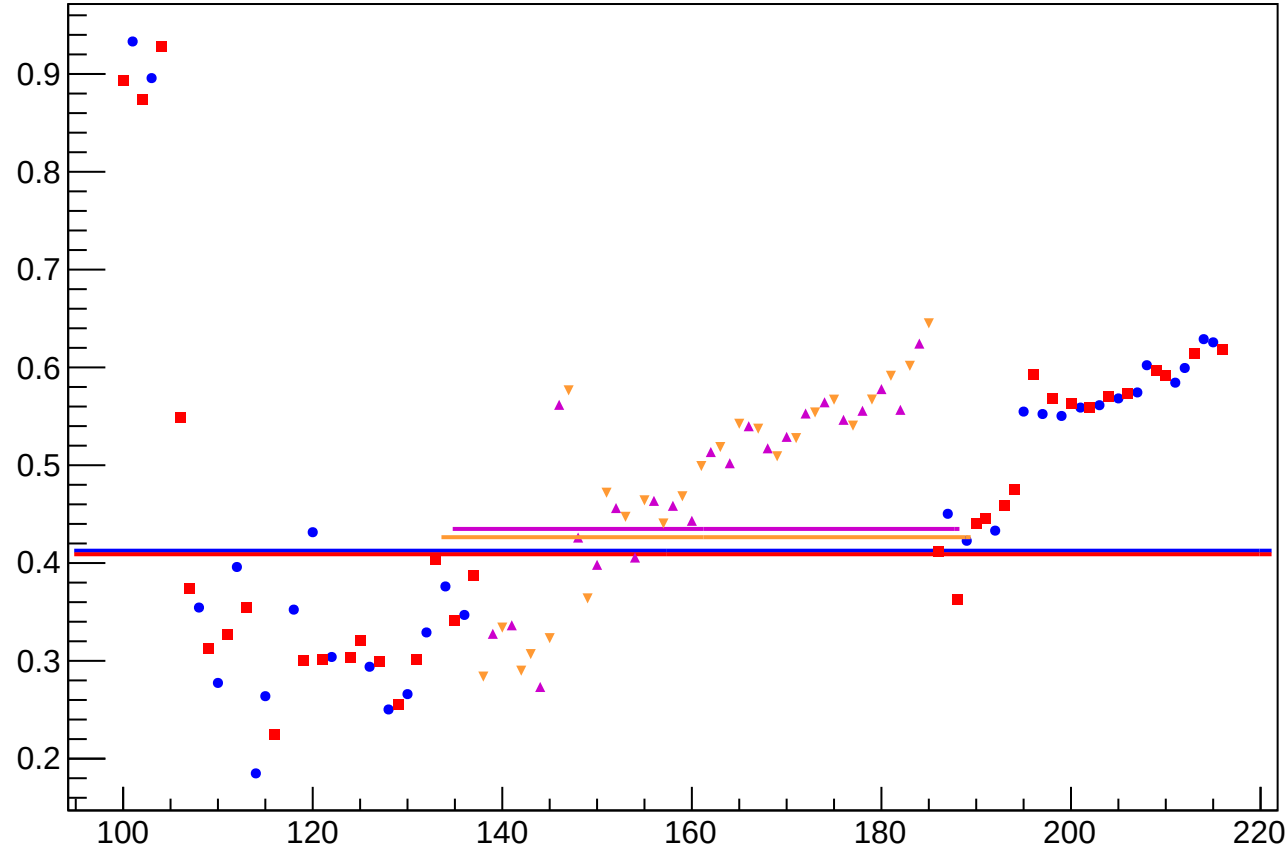
Right: 143.419+/-0.000 χ^2/NDF: 11506099684.7/65

In: 145.824+/-0.000 χ^2/NDF:4578501555.6/53

Out: 145.198+/-0.000 χ^2/NDF:8994772381.7/59

All: 145.500+/-0.000 χ^2/NDF: 13610791493.

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: 0.409+/-0.000 χ^2/NDF: 3641339.7/34

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

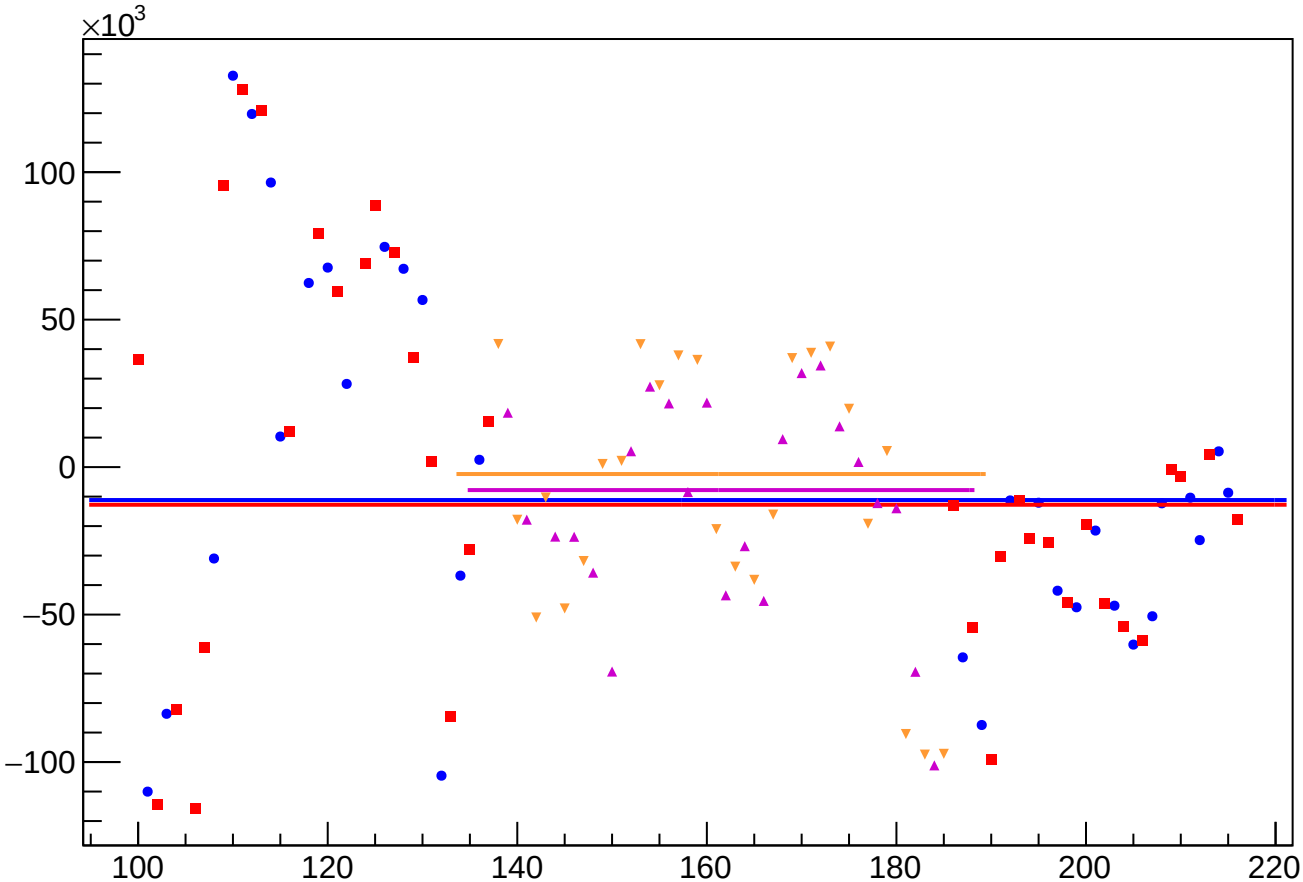
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.411+/-0.000 χ^2/NDF: 7651169.4/65

In: 0.423+/-0.000 χ^2/NDF:5829108.6/53

Out: 0.418+/-0.000 χ^2/NDF:5930673.3/59

All: 0.420+/-0.000 χ^2/NDF: 11766316.0/113



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: -12757.160+/-1.212 χ^2/NDF: 2405021459.6/34

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

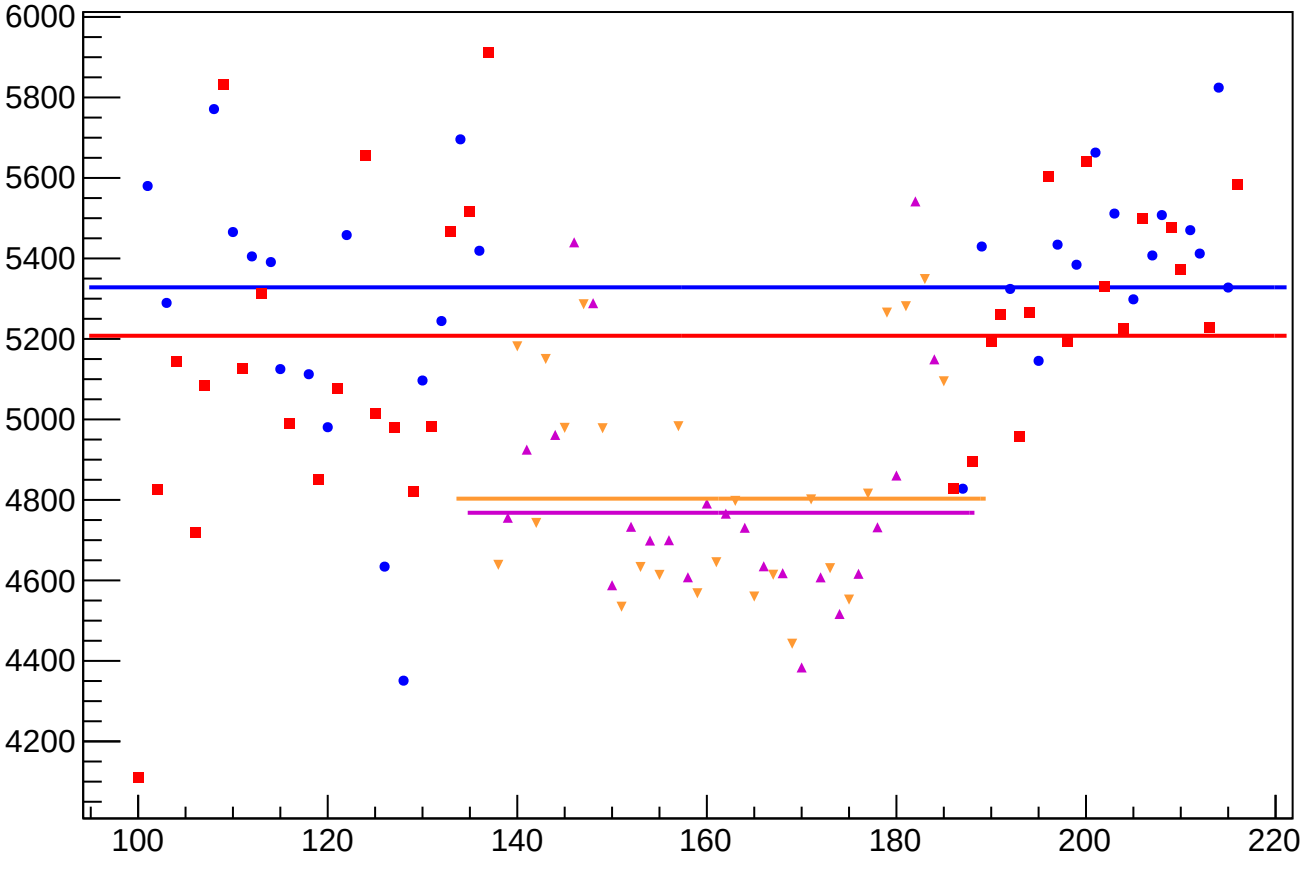
Right: -11990.741+/-0.873 χ^2/NDF: 4353810626.4/

In: -9316.718+/-0.847 χ^2/NDF:2714396082.3/53

Out: -7155.910+/-0.824 χ^2/NDF:3674754067.4/59

All: -8206.791+/-0.590 χ^2/NDF: 639249572

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: 5207.871+/-0.857 χ^2/NDF: 117292.2/34

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

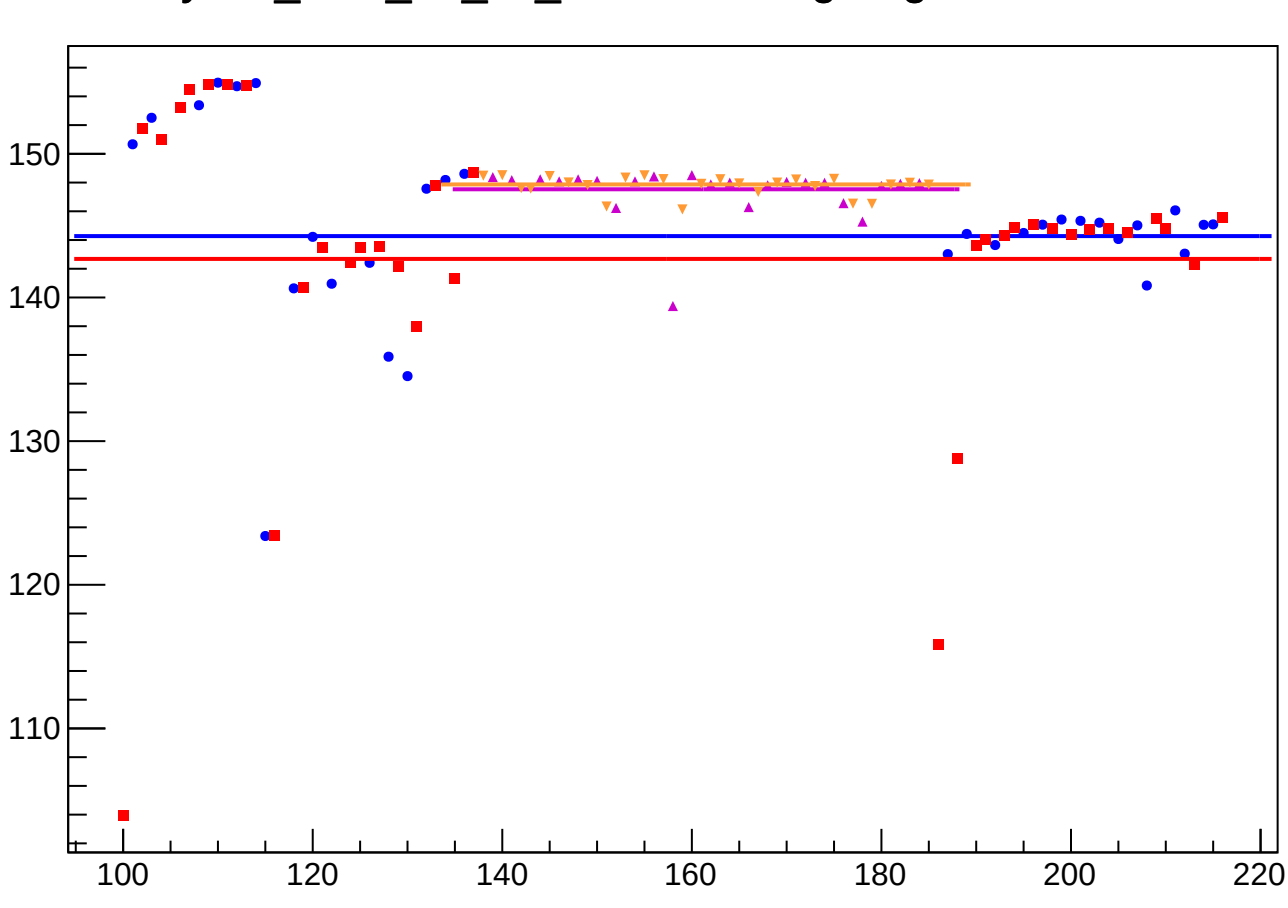
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5265.795+/-0.617 χ^2/NDF: 242005.5/65

In: 5021.681+/-0.599 χ^2/NDF:434487.5/53

Out: 4990.146+/-0.583 χ^2/NDF:351952.0/59

All: 5005.483+/-0.418 χ^2/NDF: 787864.7/113



Right In: 144.273+/-0.000 χ^2/NDF: 3822337653.2/30

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.685+/-0.000 χ^2/NDF: 7572560250.1/34

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

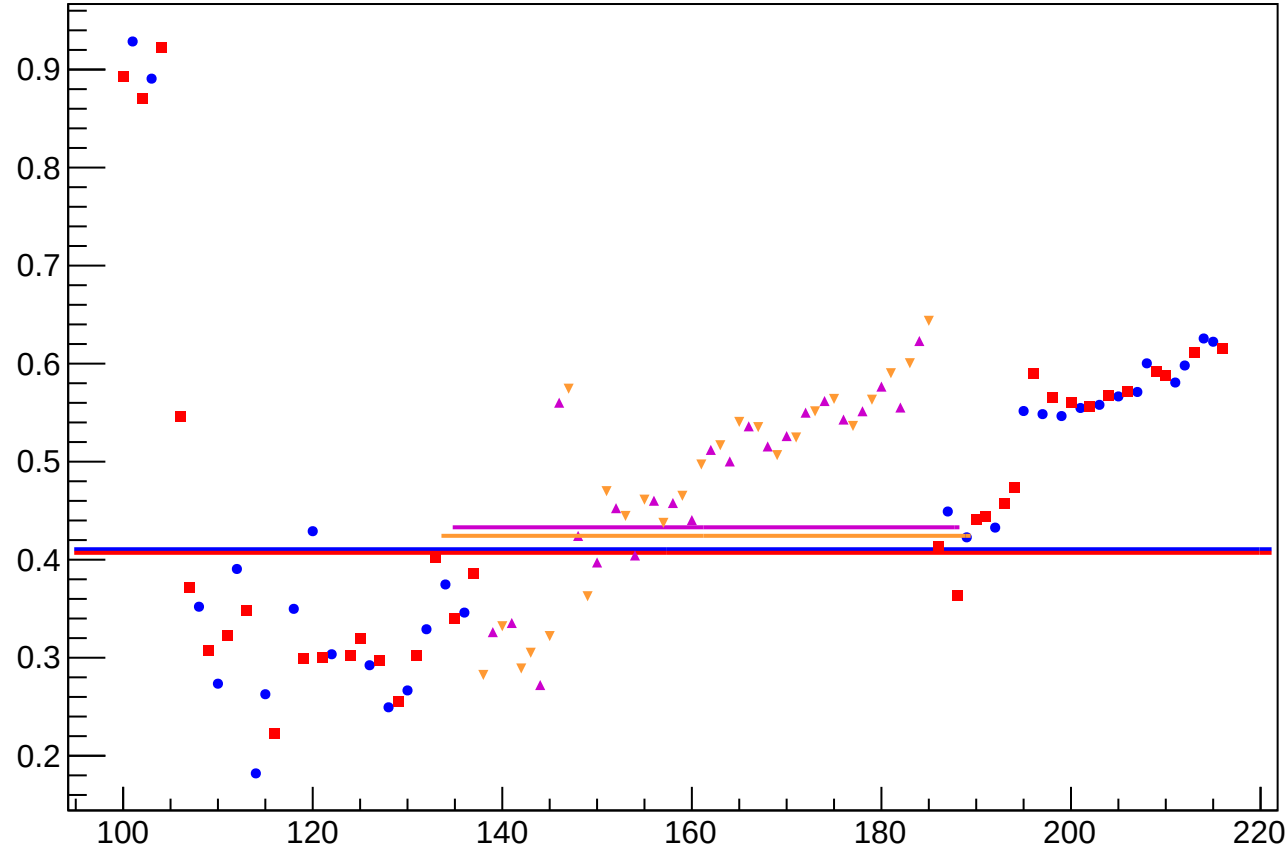
Right: 143.457+/-0.000 χ^2/NDF: 11519895686.5/65

In: 145.846+/-0.000 χ^2/NDF:4623402113.6/53

Out: 145.226+/-0.000 χ^2/NDF:8959857167.0/59

All: 145.525+/-0.000 χ^2/NDF: 13620354652.

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: 0.407+/-0.000 χ^2/NDF: 3646483.8/34

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

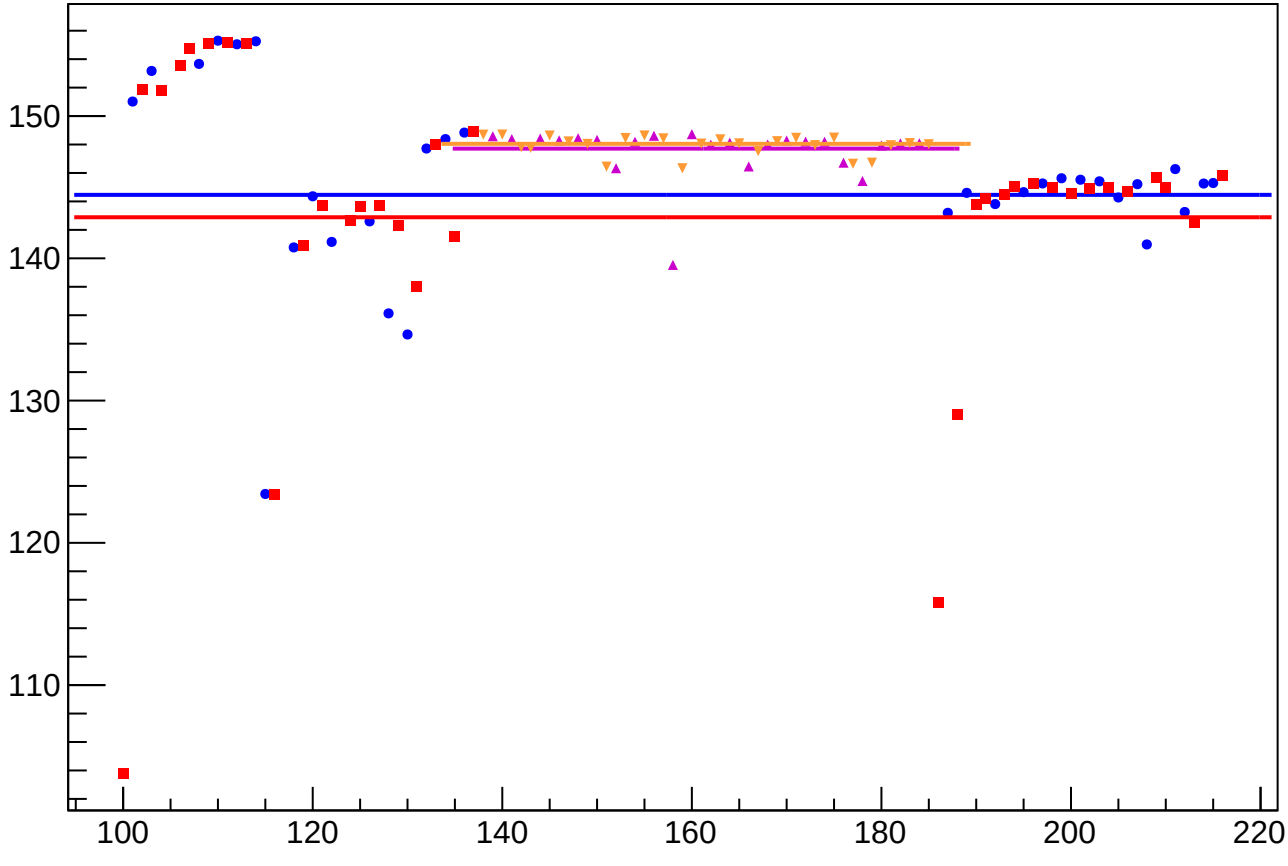
Right: 0.409+/-0.000 χ^2/NDF: 7654825.0/65

In: 0.421+/-0.000 χ^2/NDF:5824735.0/53

Out: 0.416+/-0.000 χ^2/NDF:5937246.6/59

All: 0.418+/-0.000 χ^2/NDF: 11768829.9/113

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: 142.887+/-0.000 χ^2/NDF: 7506714305.4/34

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

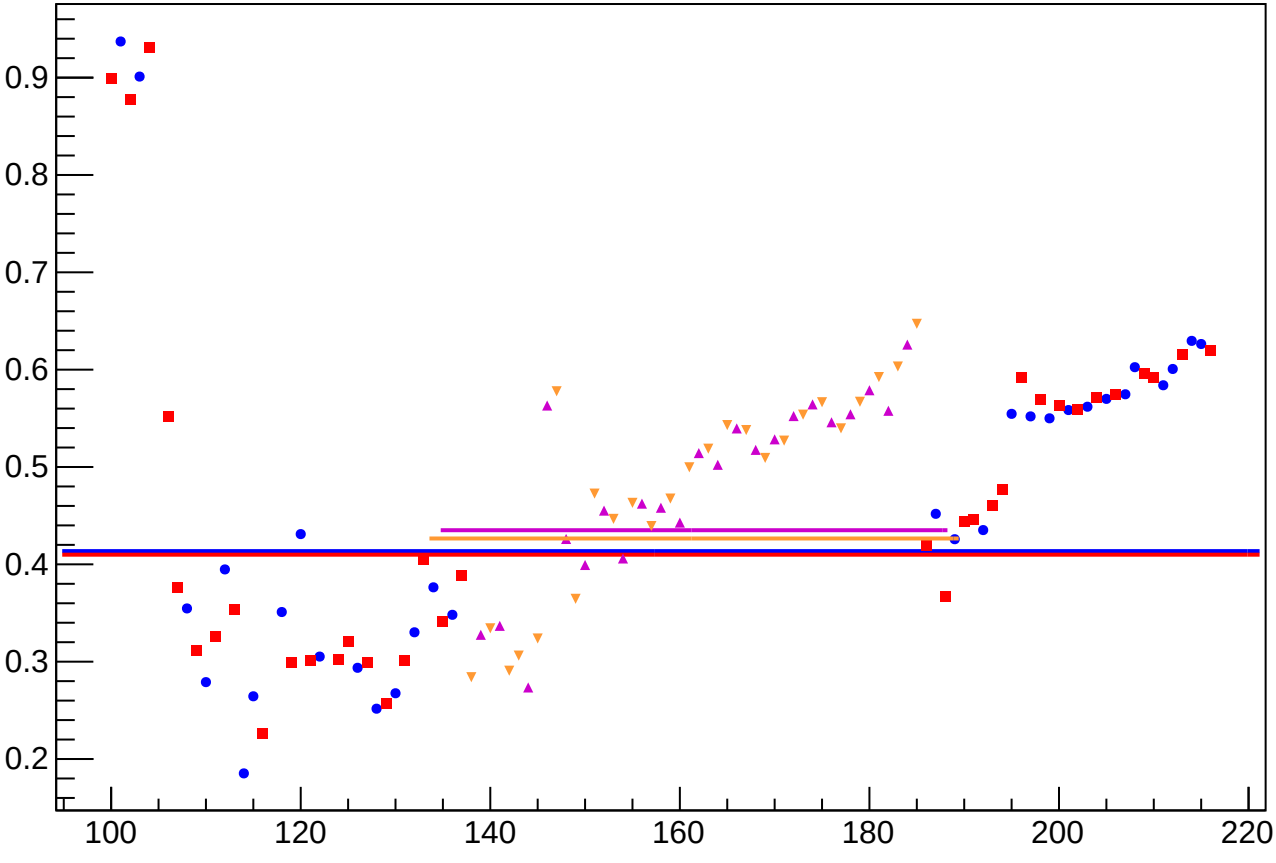
Right: 143.652+/-0.000 χ^2/NDF: 11444614325.4/65

In: 146.033+/-0.000 χ^2/NDF:4614220642.0/53

Out: 145.422+/-0.000 χ^2/NDF:8866954507.6/59

All: 145.717+/-0.000 χ^2/NDF: 13516800682.

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: 0.410+/-0.000 χ^2/NDF: 3638788.4/34

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

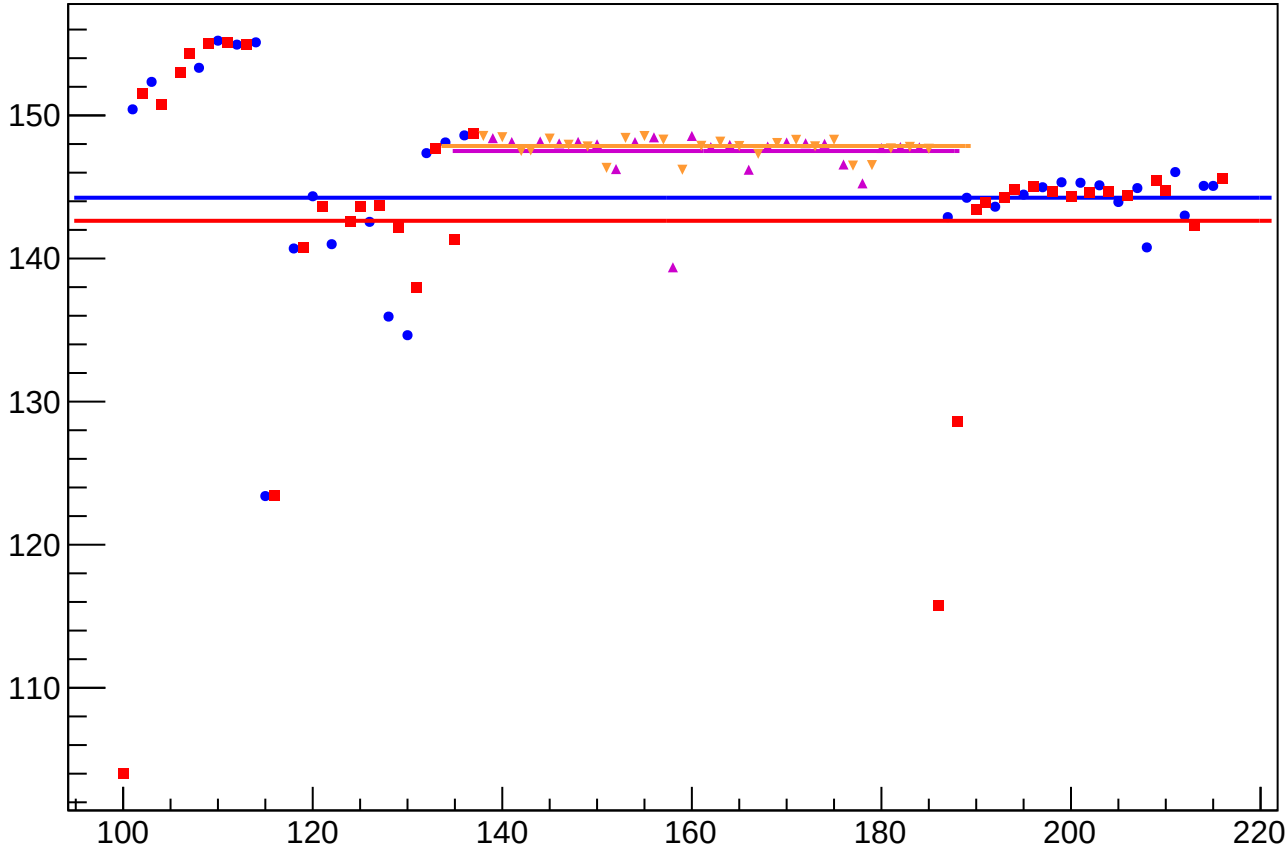
Right: 0.412+/-0.000 χ^2/NDF: 7629765.7/65

In: 0.424+/-0.000 χ^2/NDF:5801806.7/53

Out: 0.418+/-0.000 χ^2/NDF:5923596.7/59

All: 0.421+/-0.000 χ^2/NDF: 11732000.4/113

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: 142.635+/-0.000 χ^2/NDF: 7597199521.9/34

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

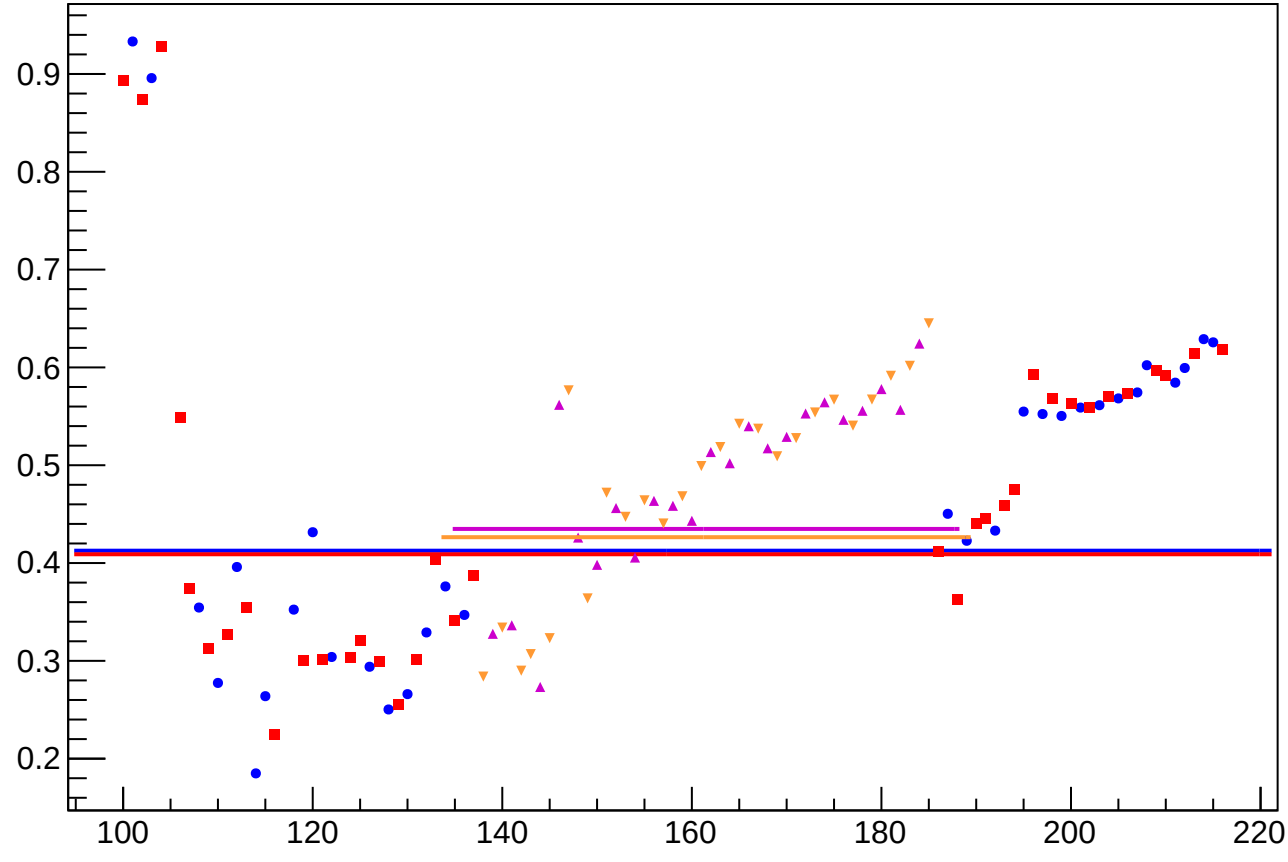
Right: 143.419+/-0.000 χ^2/NDF: 11506099684.7/65

In: 145.824+/-0.000 χ^2/NDF:4578501555.6/53

Out: 145.198+/-0.000 χ^2/NDF:8994772381.7/59

All: 145.500+/-0.000 χ^2/NDF: 13610791493.

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: 0.409+/-0.000 χ^2/NDF: 3641339.7/34

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

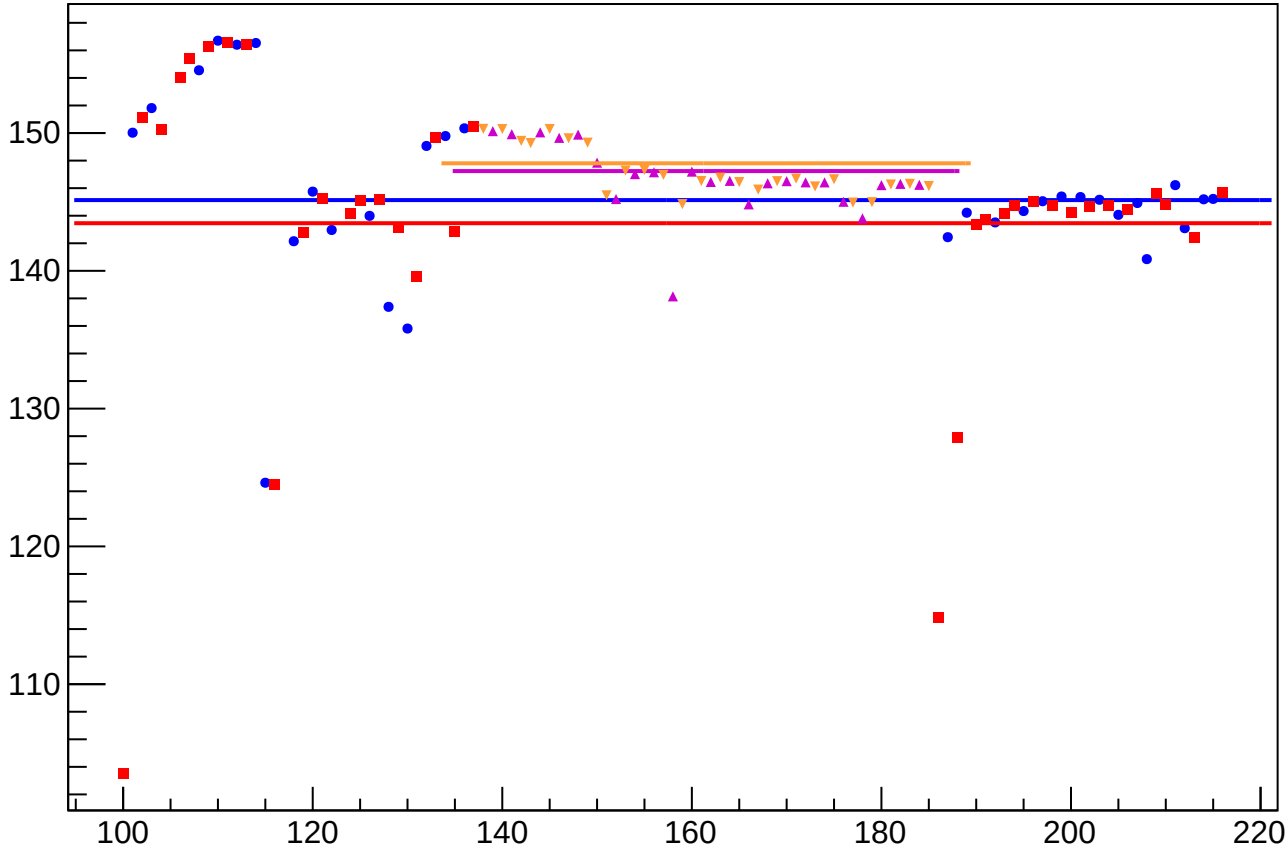
Right: 0.411+/-0.000 χ^2/NDF: 7651169.4/65

In: 0.423+/-0.000 χ^2/NDF:5829108.6/53

Out: 0.418+/-0.000 χ^2/NDF:5930673.3/59

All: 0.420+/-0.000 χ^2/NDF: 11766316.0/113

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: 143.457+/-0.000 χ^2/NDF: 7642618716.7/34

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

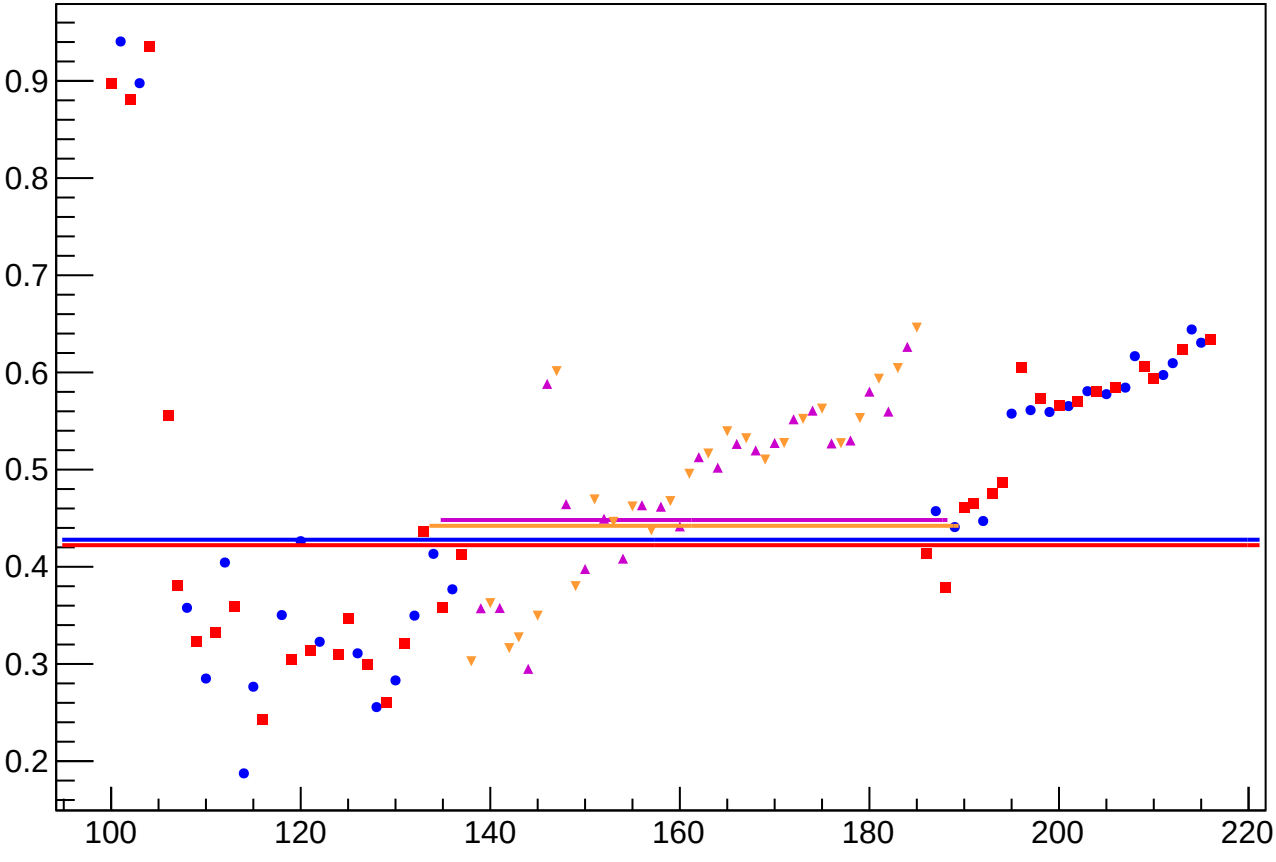
Right: 144.269+/-0.000 χ^2/NDF: 11344924731.0/65

In: 146.162+/-0.000 χ^2/NDF:4384824343.3/53

Out: 145.589+/-0.000 χ^2/NDF:8850293539.0/59

All: 145.866+/-0.000 χ^2/NDF: 13264710545.

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: 0.422+/-0.000 χ^2/NDF: 3459107.7/34

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

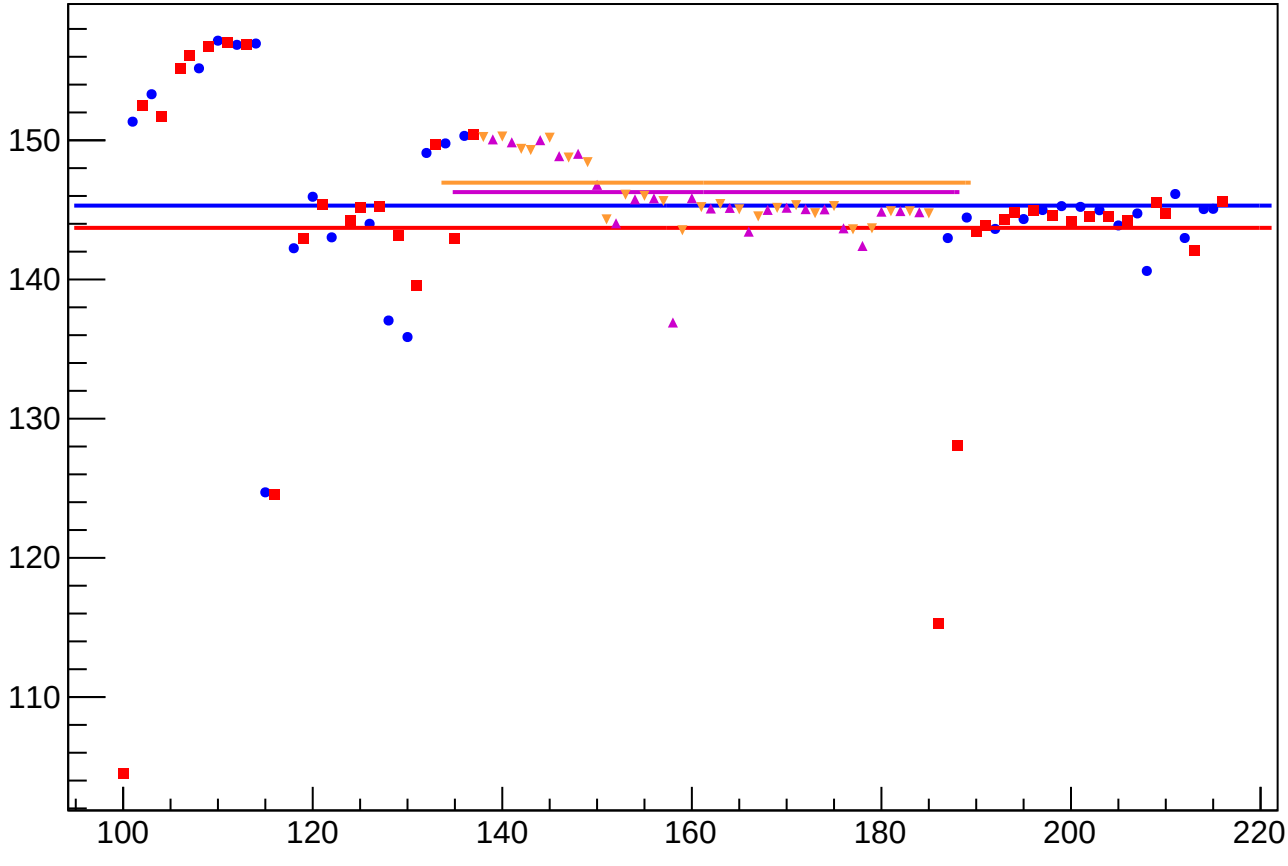
Right: 0.425+/-0.000 χ^2/NDF: 7241266.3/65

In: 0.438+/-0.000 χ^2/NDF:5162844.1/53

Out: 0.432+/-0.000 χ^2/NDF:5200356.7/59

All: 0.435+/-0.000 χ^2/NDF: 10369145.6/113

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: 143.709+/-0.000 χ^2/NDF: 7696273004.3/34

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

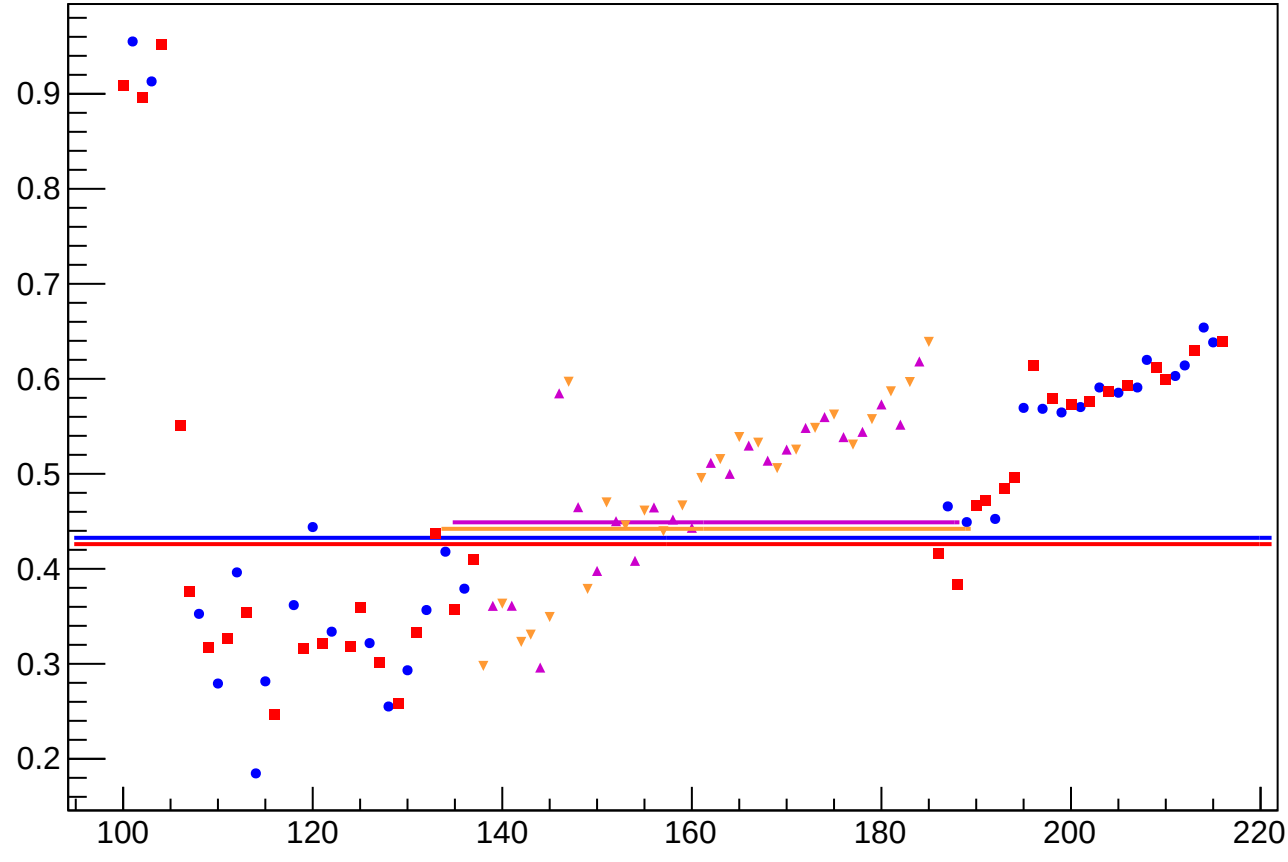
Right: 144.481+/-0.000 χ^2/NDF: 11545432529.0/65

In: 145.786+/-0.000 χ^2/NDF:4599837159.1/53

Out: 145.318+/-0.000 χ^2/NDF:8725435588.5/59

All: 145.544+/-0.000 χ^2/NDF: 13344790997.

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: 0.426+/-0.000 χ^2/NDF: 3487136.6/34

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

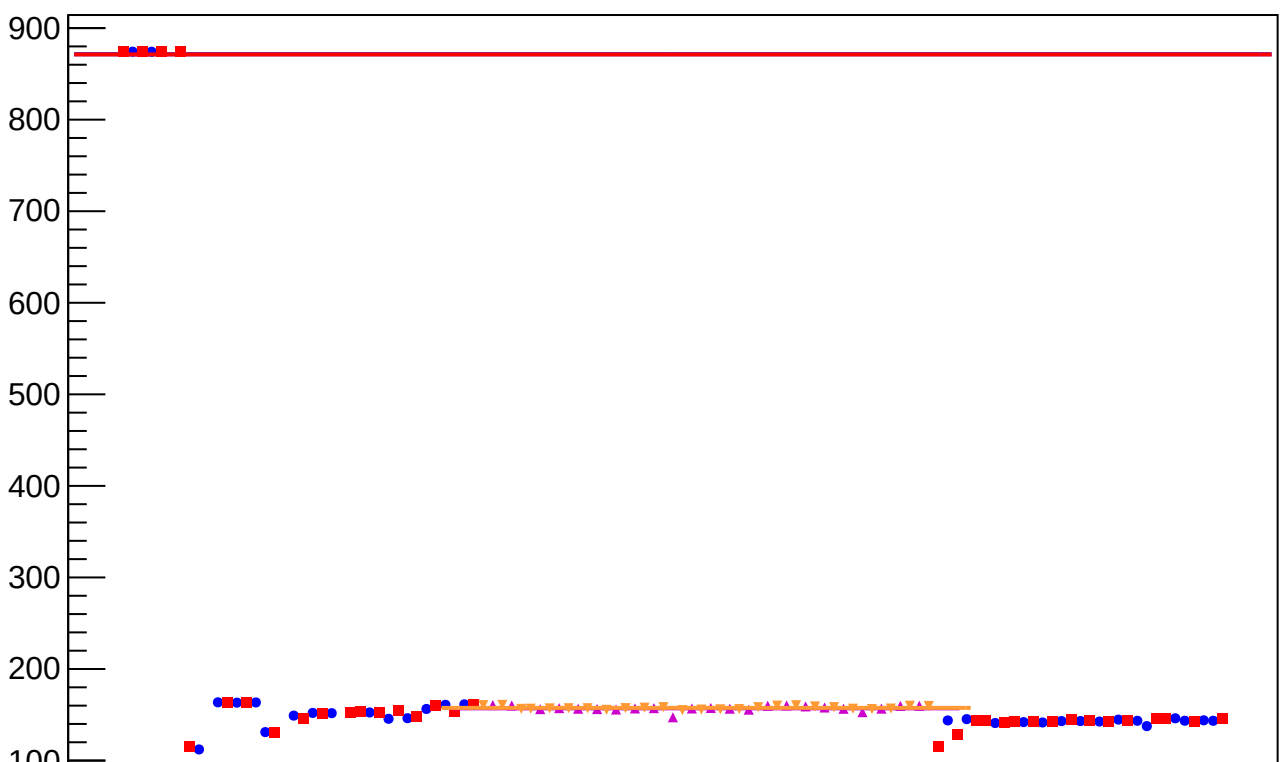
Right: 0.429+/-0.000 χ^2/NDF: 7304237.7/65

In: 0.441+/-0.000 χ^2/NDF:5136634.3/53

Out: 0.434+/-0.000 χ^2/NDF:5187772.1/59

All: 0.437+/-0.000 χ^2/NDF: 10332402.5/113

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: 871.249+/-0.000 χ^2/NDF: 17747468979934.7/34

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

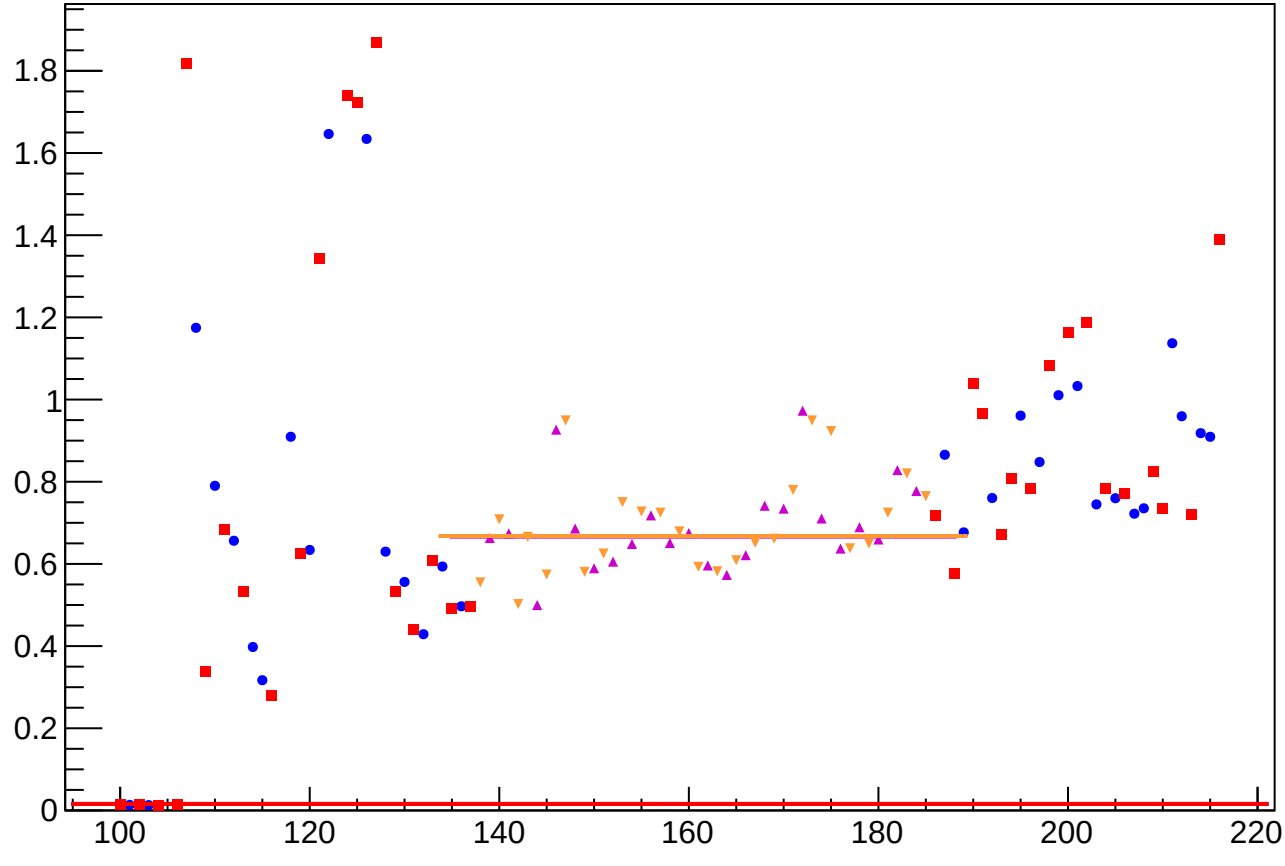
Right: 871.331+/-0.000 χ^2/NDF: 32200788113223.8

In: 868.197+/-0.000 χ^2/NDF:30919644086090.8/5

Out: 868.321+/-0.000 χ^2/NDF:34933681068164.1

All: 868.263+/-0.000 χ^2/NDF: 658533843377

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: 29530004.4/34

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

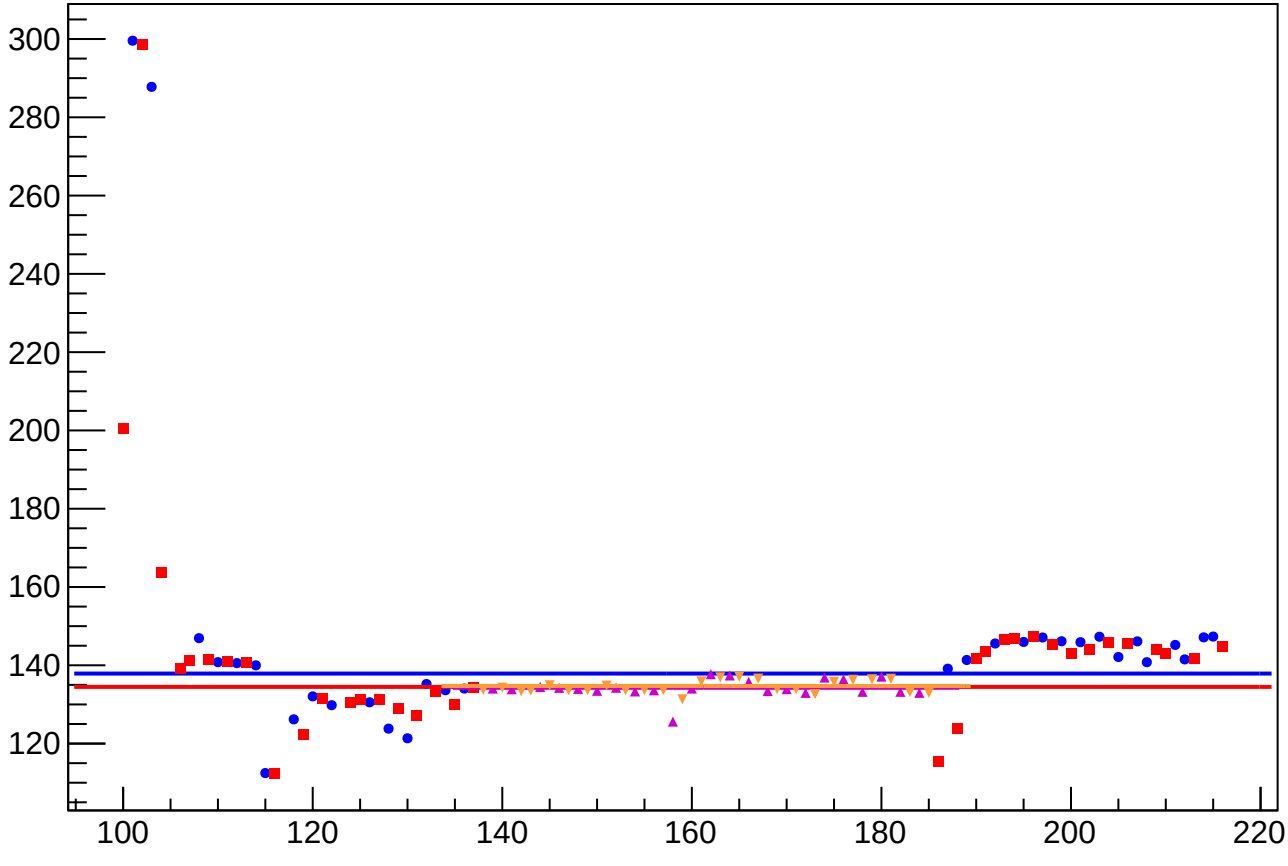
Right: 0.016+/-0.000 χ^2/NDF: 57836254.5/65

In: 0.019+/-0.000 χ^2/NDF:56146895.1/53

Out: 0.018+/-0.000 χ^2/NDF:58919259.9/59

All: 0.019+/-0.000 χ^2/NDF: 115067818.6/113

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: 134.482+/-0.000 χ^2/NDF: 5499884411.0/34

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

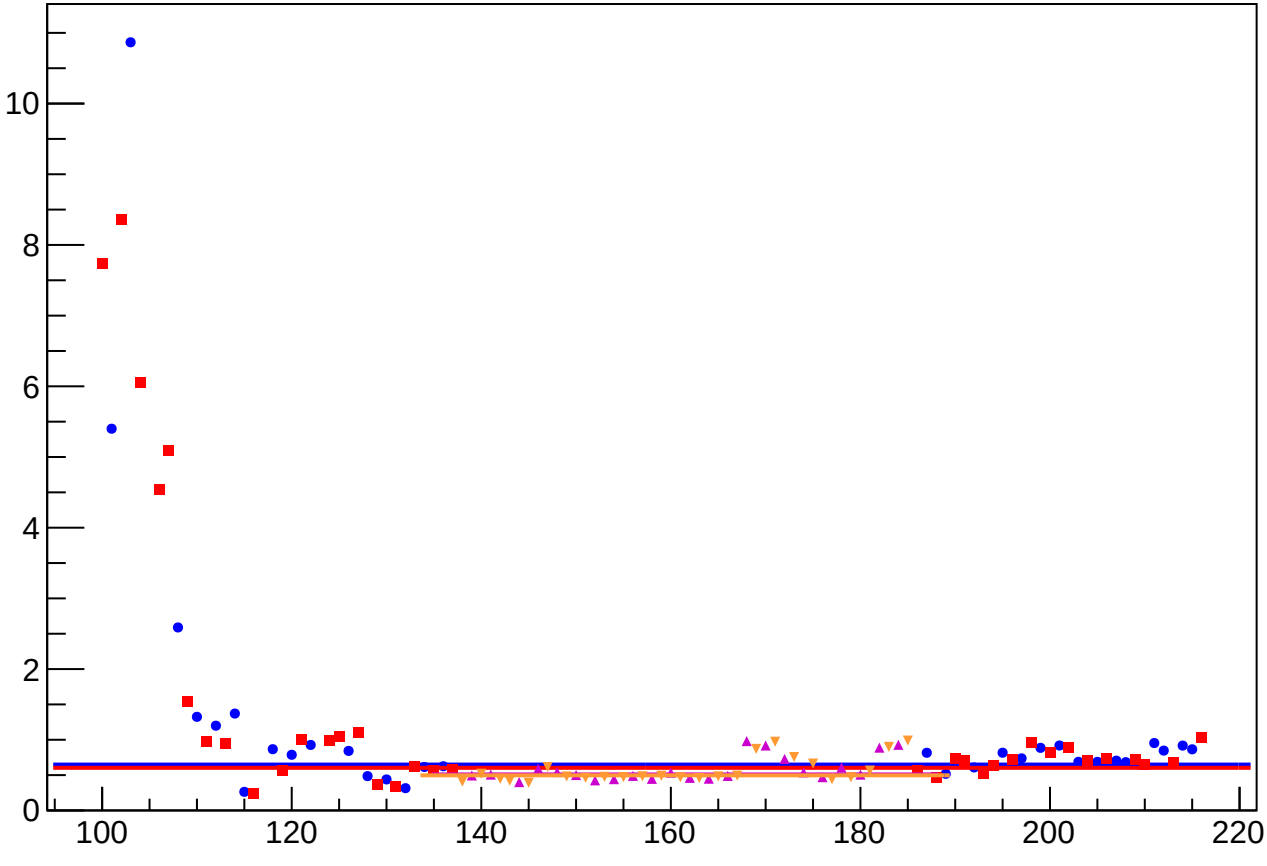
Right: 136.042+/-0.000 χ^2/NDF: 9428361239.7/65

In: 135.495+/-0.000 χ^2/NDF:4446030874.8/53

Out: 134.631+/-0.000 χ^2/NDF:5661049060.1/59

All: 135.036+/-0.000 χ^2/NDF: 10143533596.

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: 0.603+/-0.000 χ^2/NDF: 6277582.5/34

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

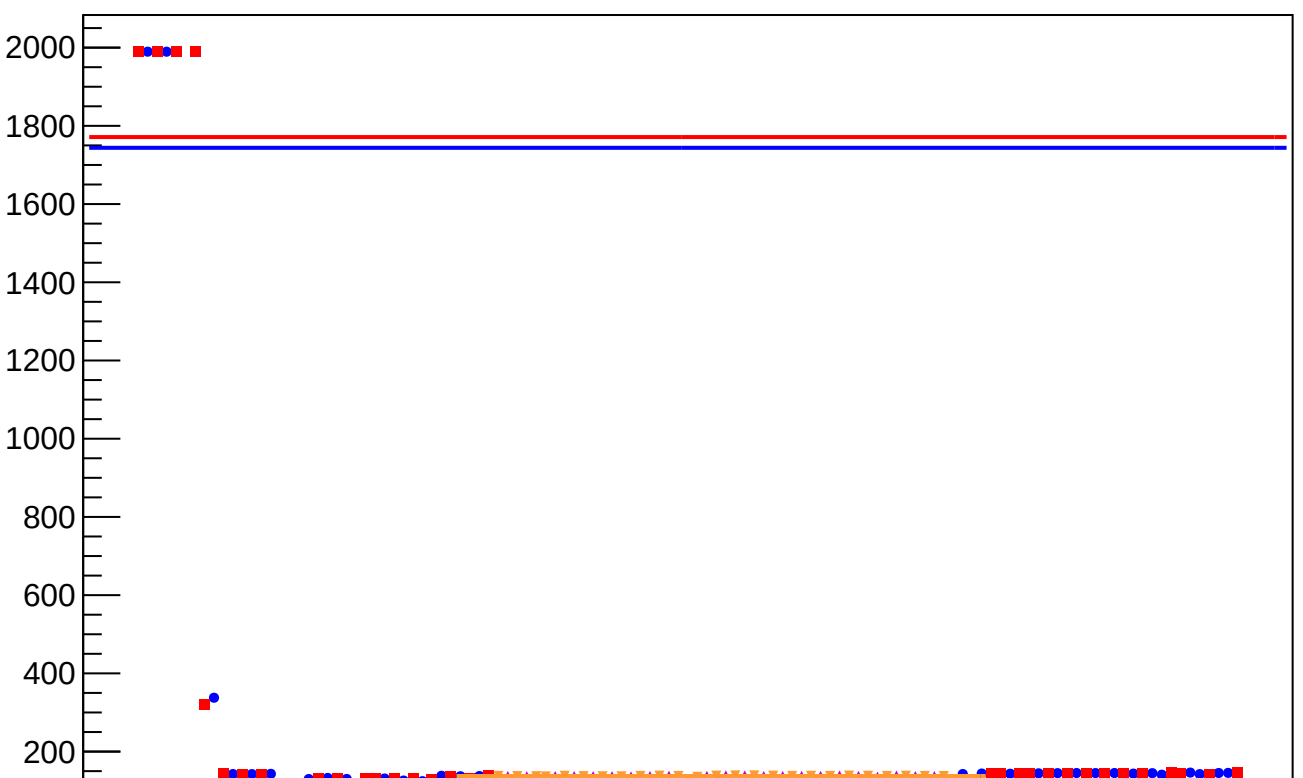
Right: 0.624+/-0.000 χ^2/NDF: 11752742.6/65

In: 0.557+/-0.000 χ^2/NDF:7693502.8/53

Out: 0.535+/-0.000 χ^2/NDF:8390516.2/59

All: 0.545+/-0.000 χ^2/NDF: 16133019.4/113

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1743.880+/-0.000 χ^2/NDF: 238653074763240.6/30

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1771.344+/-0.000 χ^2/NDF: 251478627801315.6/34

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

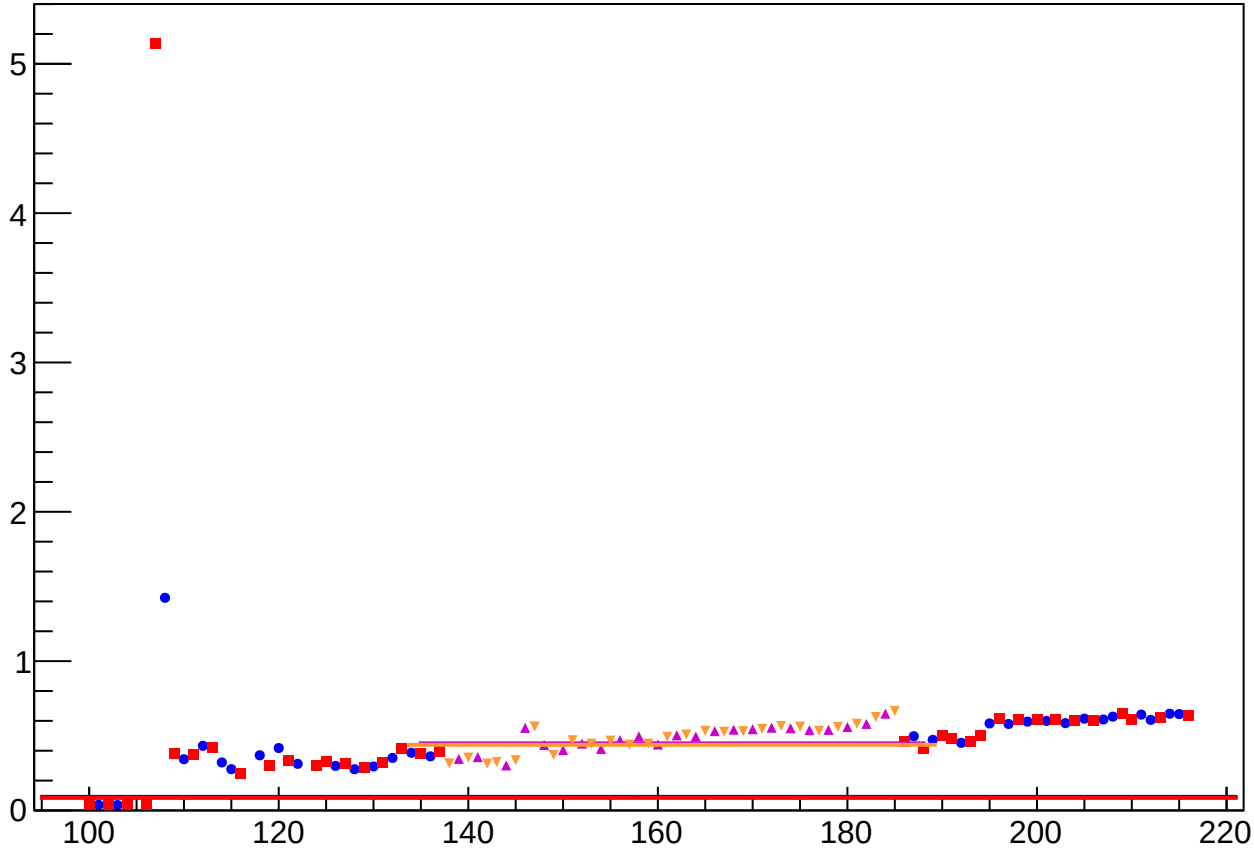
Right: 1758.662+/-0.000 χ^2/NDF: 49037711515468

In: 1546.078+/-0.000 χ^2/NDF:430754268152680.

Out: 1581.121+/-0.000 χ^2/NDF:470446388335946

All: 1564.872+/-0.000 χ^2/NDF: 9016546962

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: 0.084+/-0.000 χ^2/NDF: 25966031.2/34

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

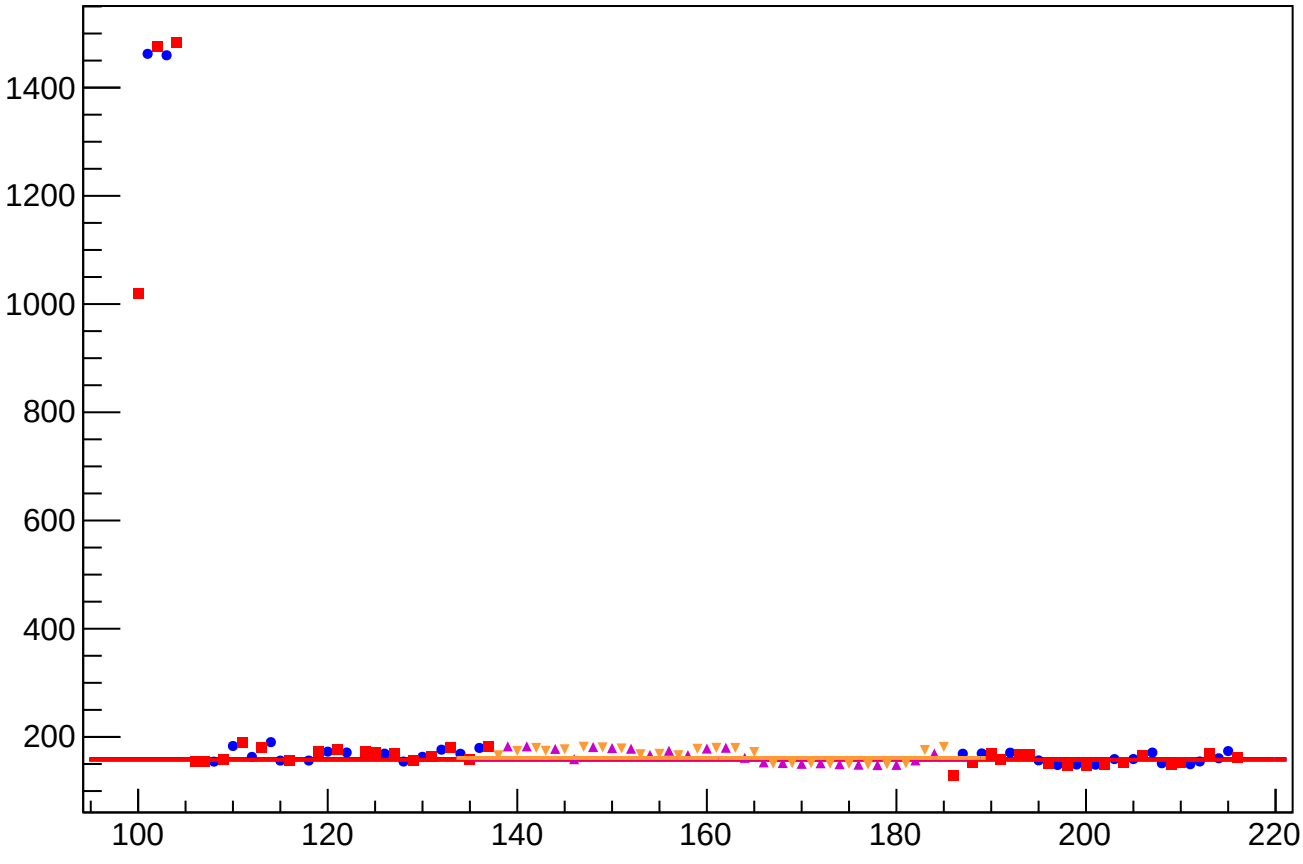
Right: 0.087+/-0.000 χ^2/NDF: 51676396.7/65

In: 0.135+/-0.000 χ^2/NDF:46128995.7/53

Out: 0.126+/-0.000 χ^2/NDF:48438488.4/59

All: 0.130+/-0.000 χ^2/NDF: 94633470.5/113

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: 157.663+/-0.000 χ^2/NDF: 18377954586.6/34

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

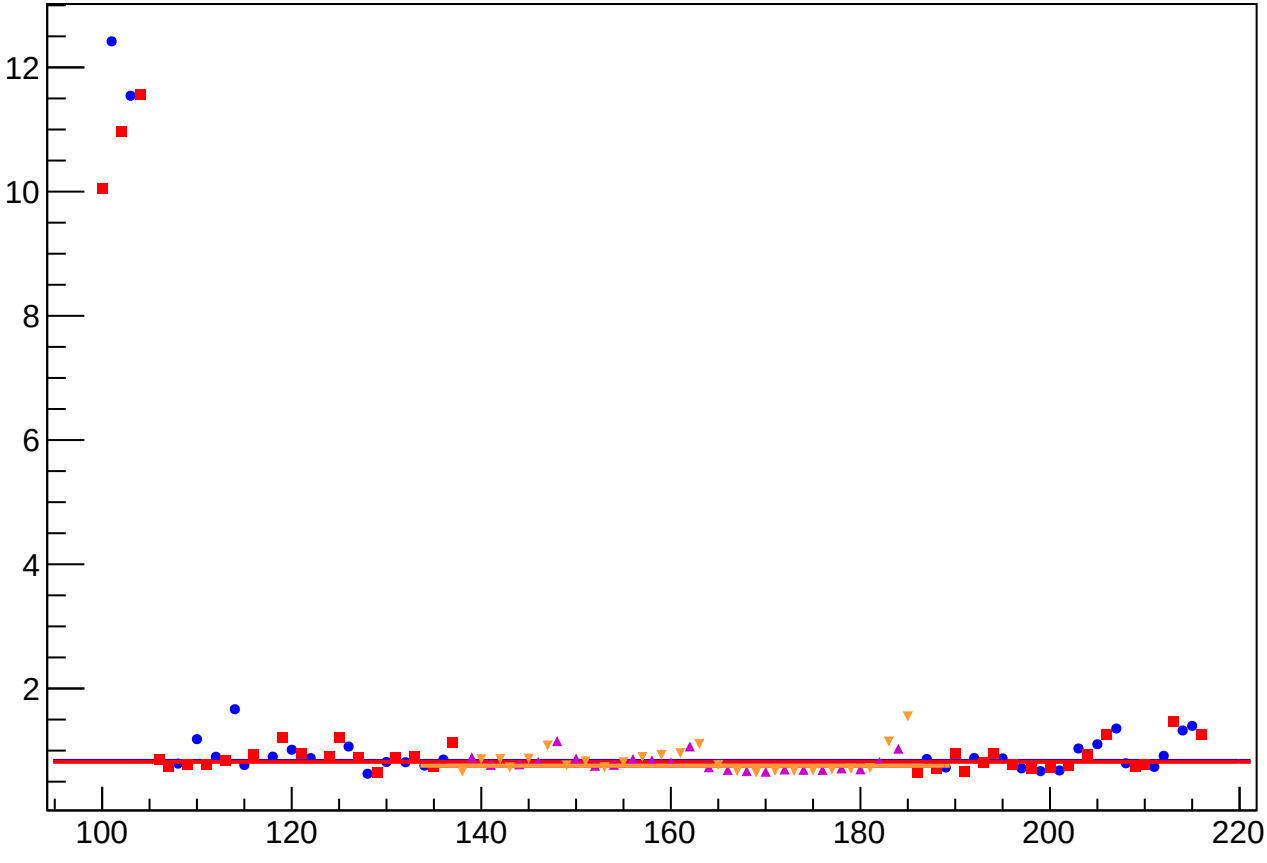
Right: 158.258+/-0.000 χ^2/NDF: 34459100910.6/65

In: 159.605+/-0.000 χ^2/NDF:19820118874.0/53

Out: 159.580+/-0.000 χ^2/NDF:22250871226.2/59

All: 159.592+/-0.000 χ^2/NDF: 42071002908.

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: 0.820+/-0.000 χ^2/NDF: 2972391.0/34

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

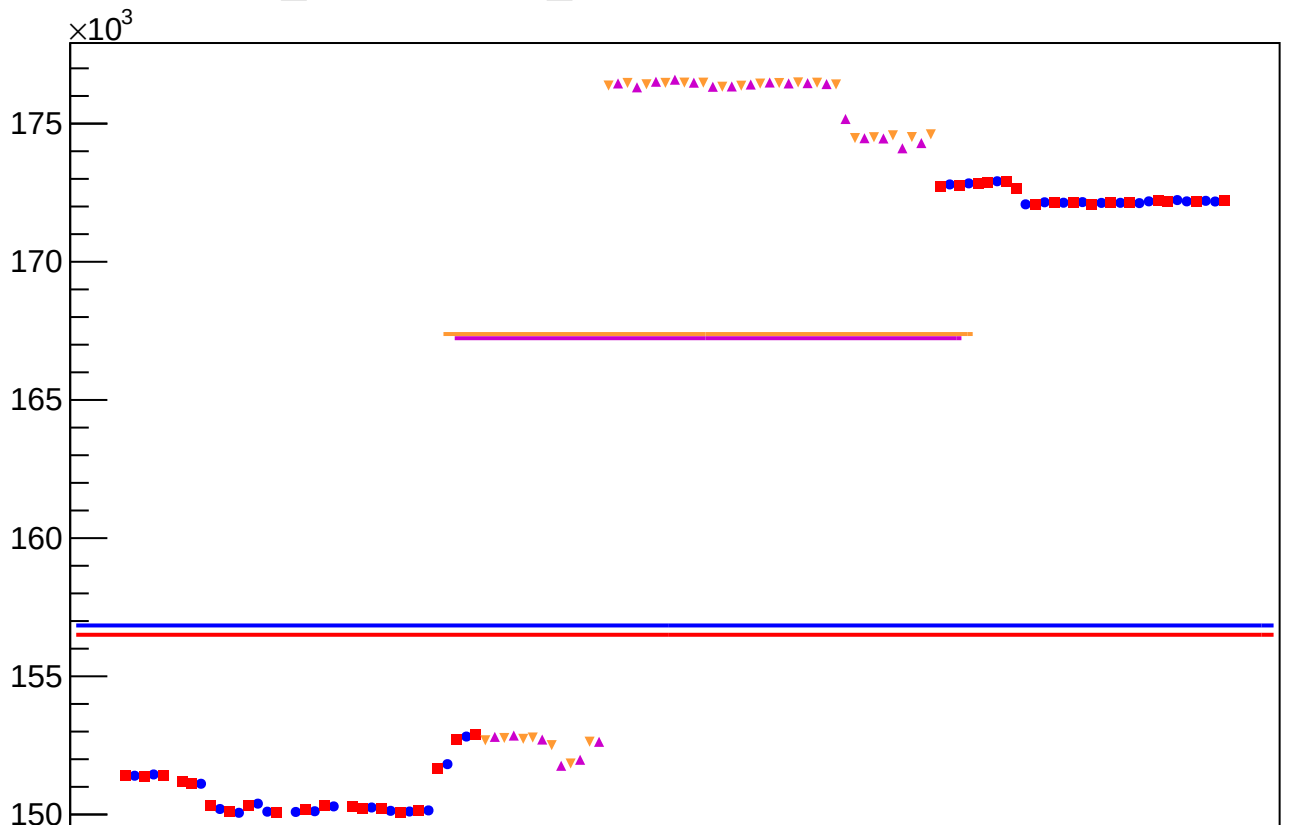
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.826+/-0.000 χ^2/NDF: 6226852.0/65

In: 0.790+/-0.000 χ^2/NDF:3849502.7/53

Out: 0.785+/-0.000 χ^2/NDF:3810860.2/59

All: 0.787+/-0.000 χ^2/NDF: 7661366.4/113



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: 156502.924+/-0.043 χ^2/NDF: 50037963120.6/34

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

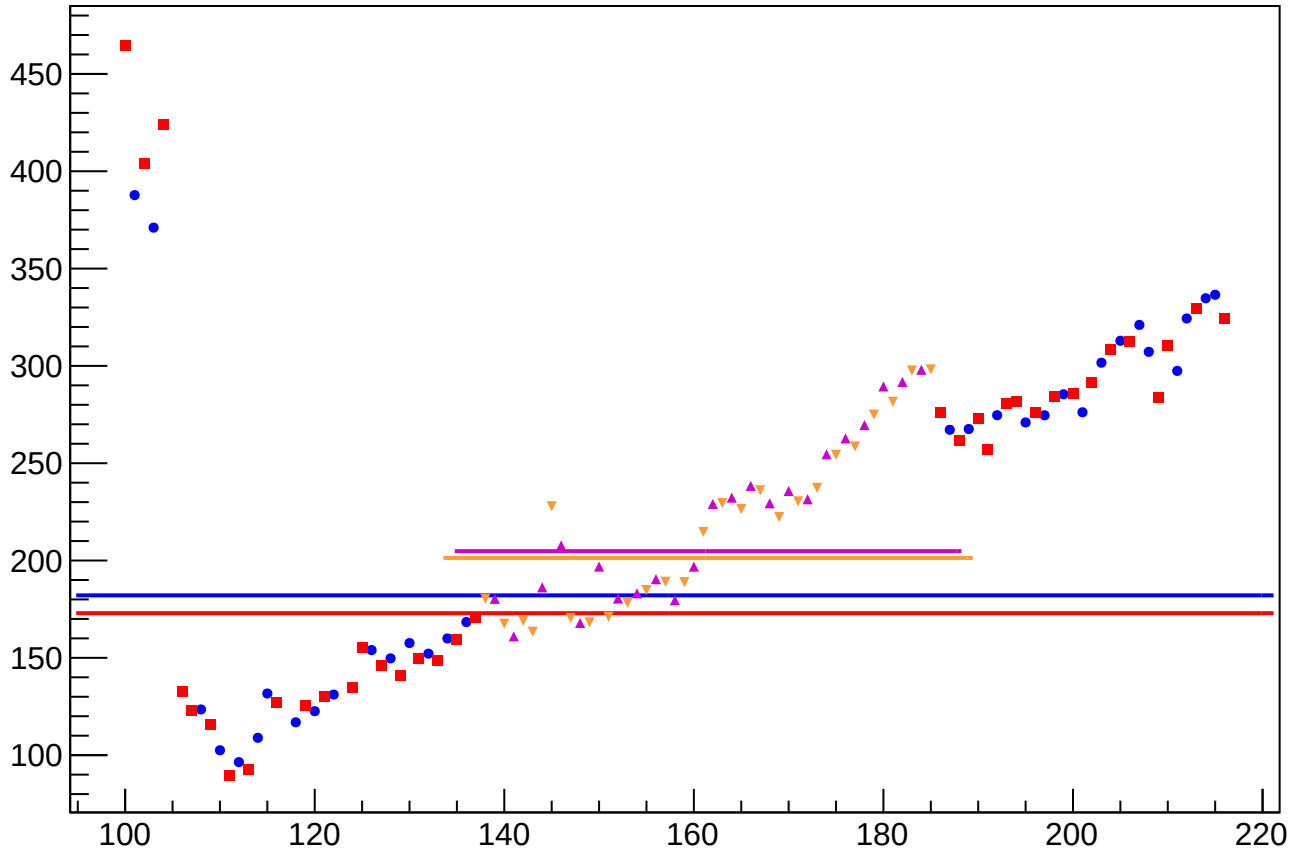
Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

Right: 156661.712+/-0.032 χ^2/NDF: 95960227626.

In: 161728.636+/-0.034 χ^2/NDF:124954649113.8

Out: 161552.663+/-0.032 χ^2/NDF:138705671585.

All: 161636.124+/-0.023 χ^2/NDF: 26367481



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: 172.939+/-0.031 χ^2/NDF: 7142526.9/34

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

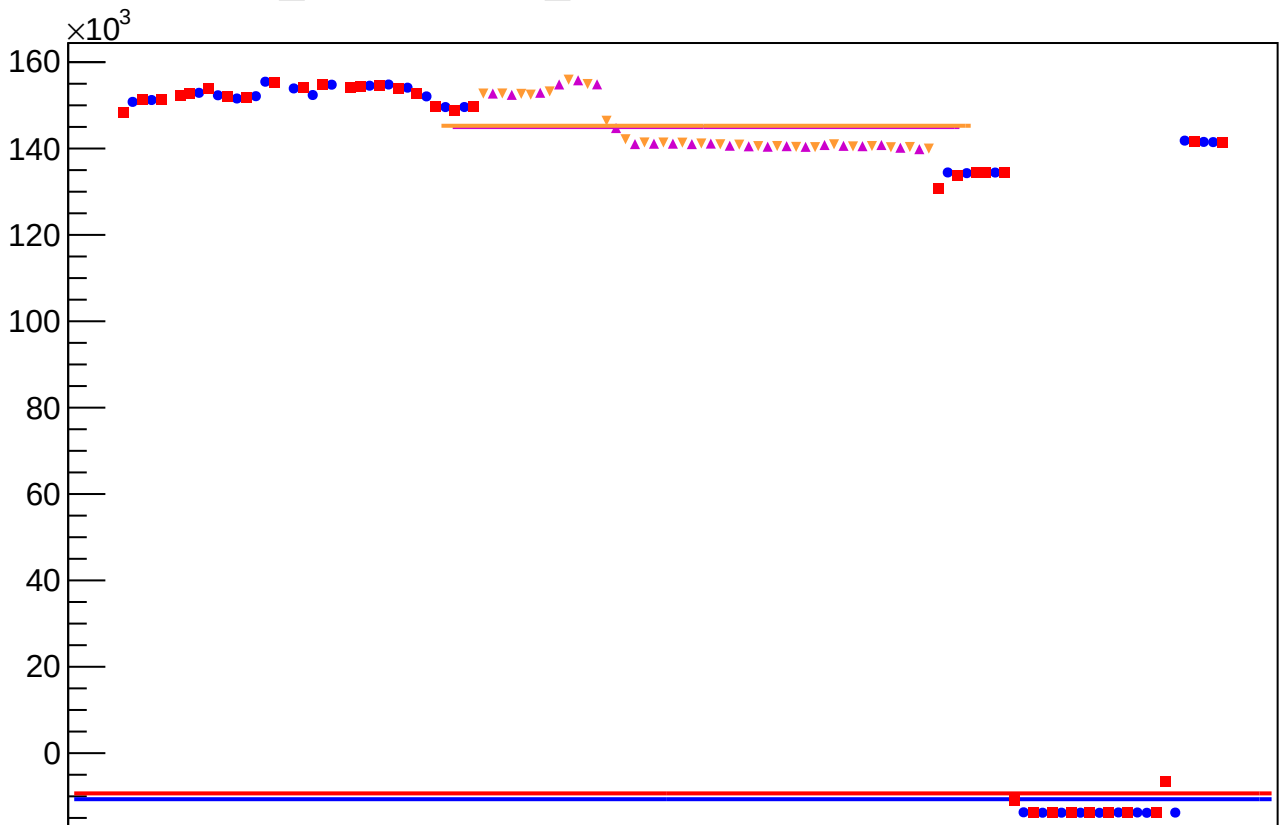
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 177.257+/-0.022 χ^2/NDF: 13702346.9/65

In: 192.789+/-0.024 χ^2/NDF:7800186.1/53

Out: 186.112+/-0.023 χ^2/NDF:8768789.0/59

All: 189.279+/-0.016 χ^2/NDF: 16610698.7/1



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: -9315.639+/-0.009 χ^2/NDF: 7518360012763.7/34

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

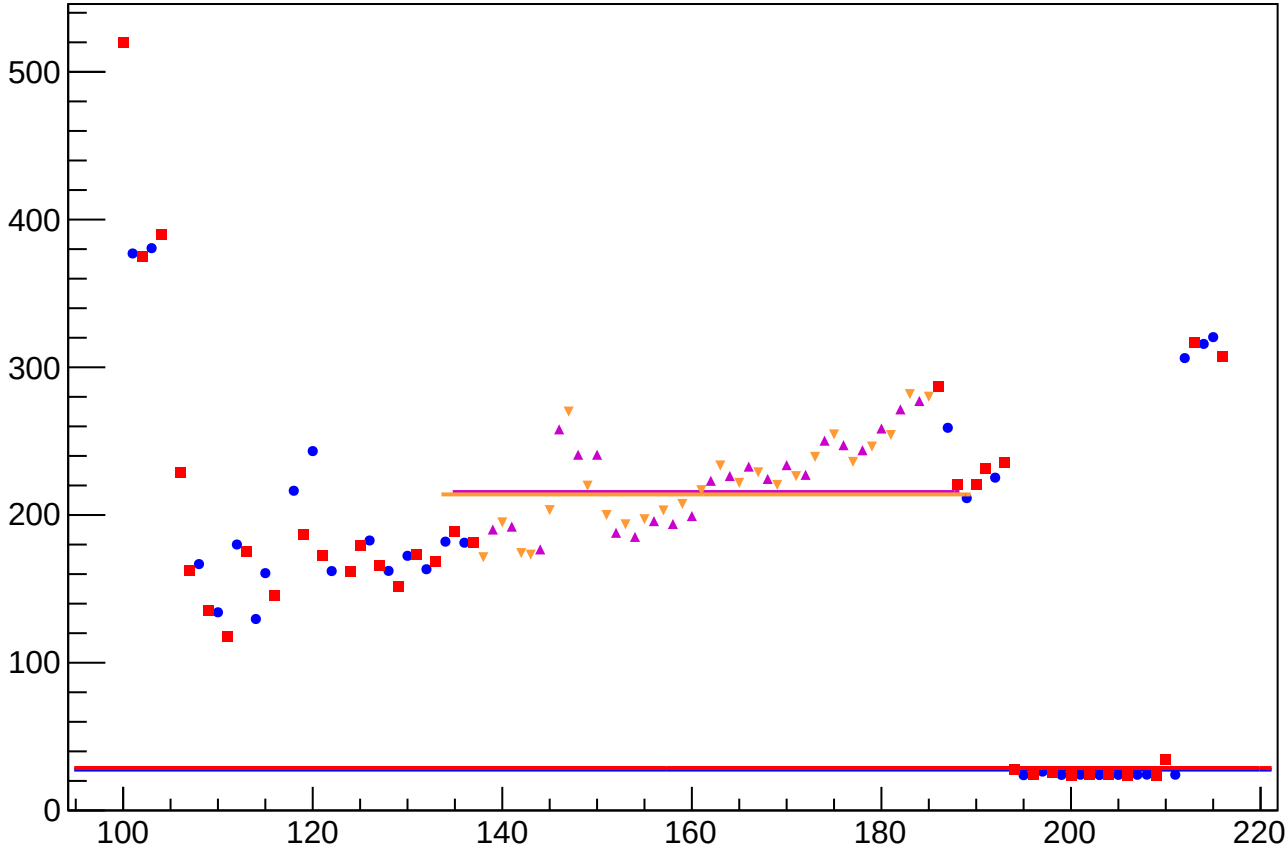
Right: -10035.796+/-0.006 χ^2/NDF: 140283657565

In: -6255.486+/-0.009 χ^2/NDF:15488275639285.

Out: -3934.825+/-0.009 χ^2/NDF:16988257588181

All: -5173.021+/-0.006 χ^2/NDF: 3251037764

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: 28.726+/-0.007 χ^2/NDF: 17160093.4/34

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

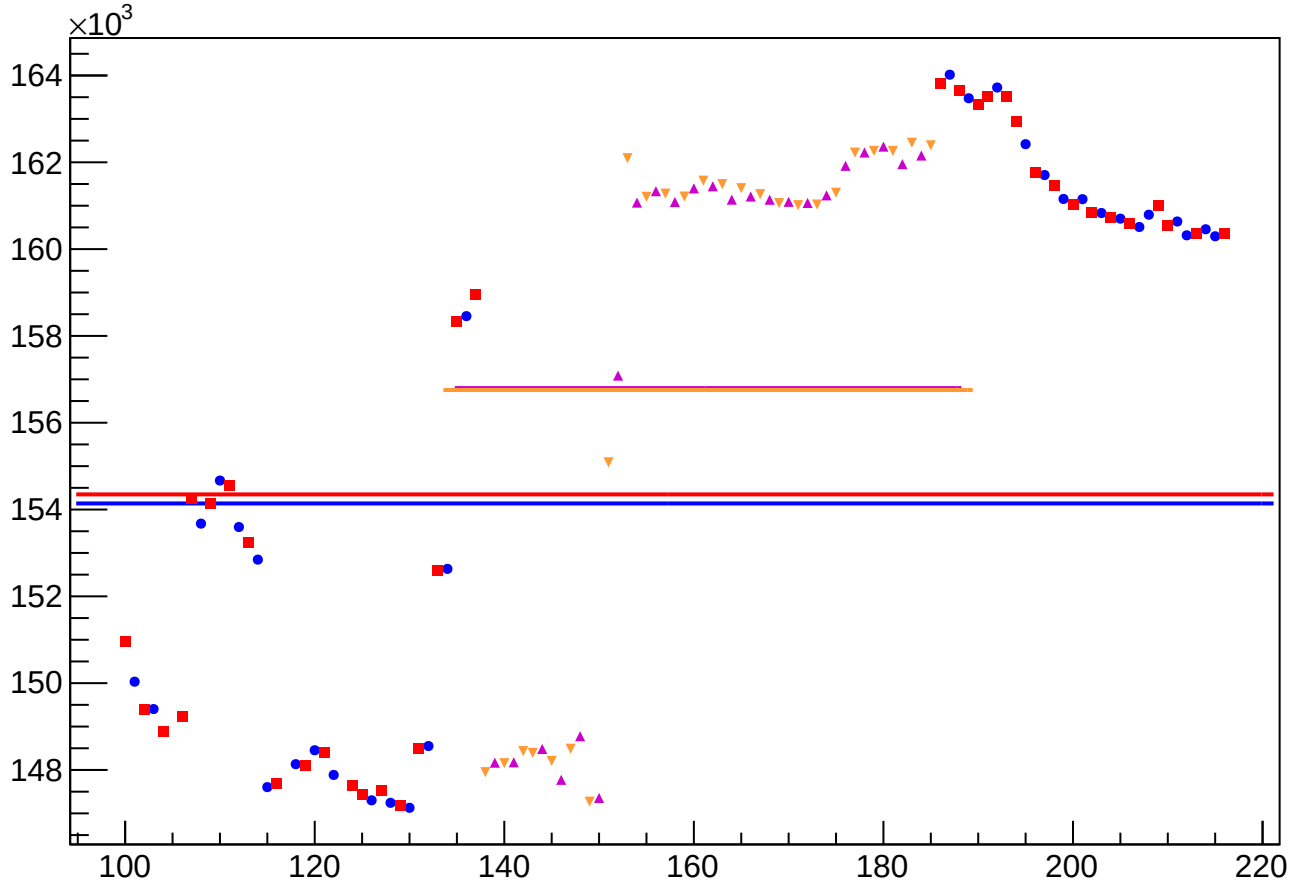
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.157+/-0.005 χ^2/NDF: 34242896.4/65

In: 32.981+/-0.006 χ^2/NDF:43832611.0/53

Out: 35.174+/-0.007 χ^2/NDF:44963057.6/59

All: 34.004+/-0.004 χ^2/NDF: 88856063.5/113



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: 154348.847+/-0.050 χ^2/NDF: 13386757227.8/34

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

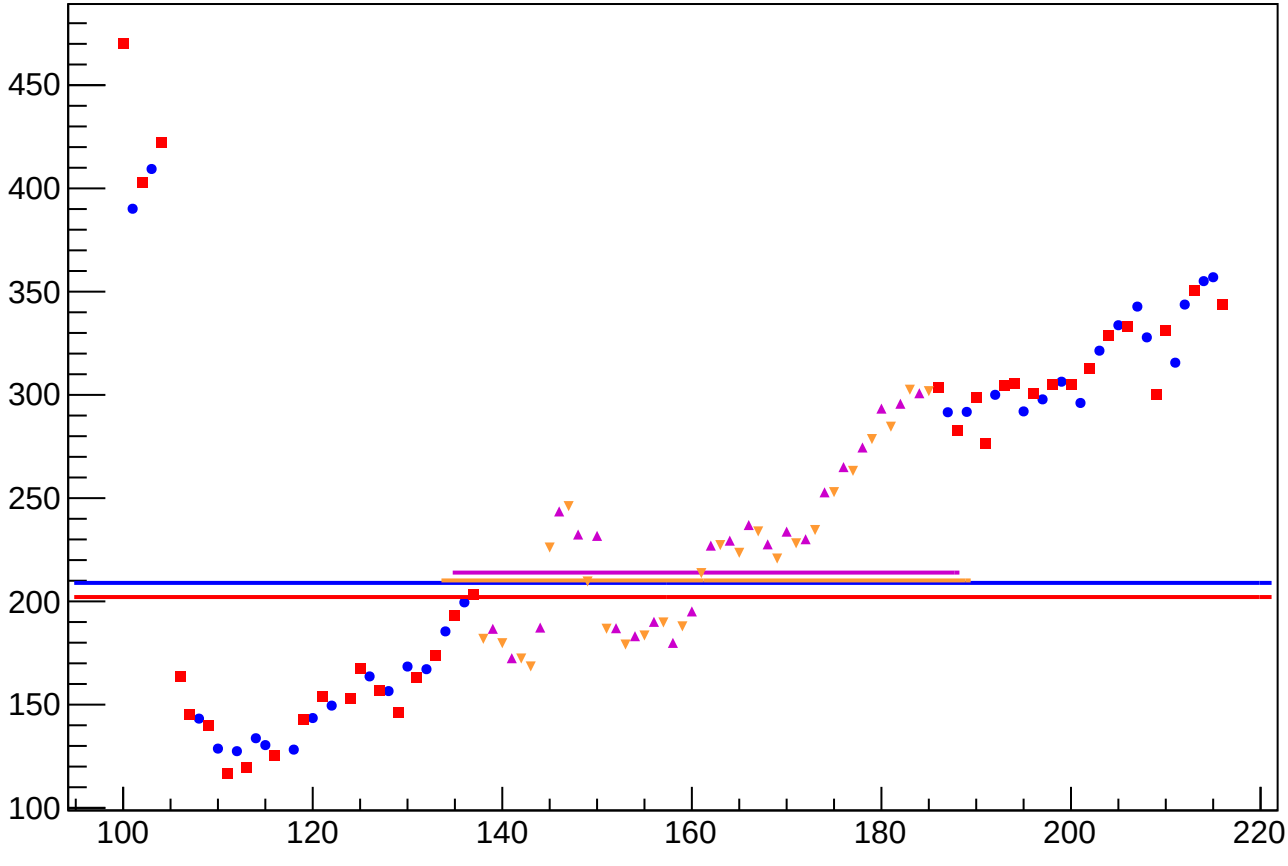
Right: 154248.761+/-0.036 χ^2/NDF: 26035841390.

In: 155493.942+/-0.036 χ^2/NDF:28319829471.7/5

Out: 155581.512+/-0.035 χ^2/NDF:30959924190.4

All: 155539.625+/-0.025 χ^2/NDF: 59282792

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: 202.105+/-0.035 χ^2/NDF: 5689755.2/34

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

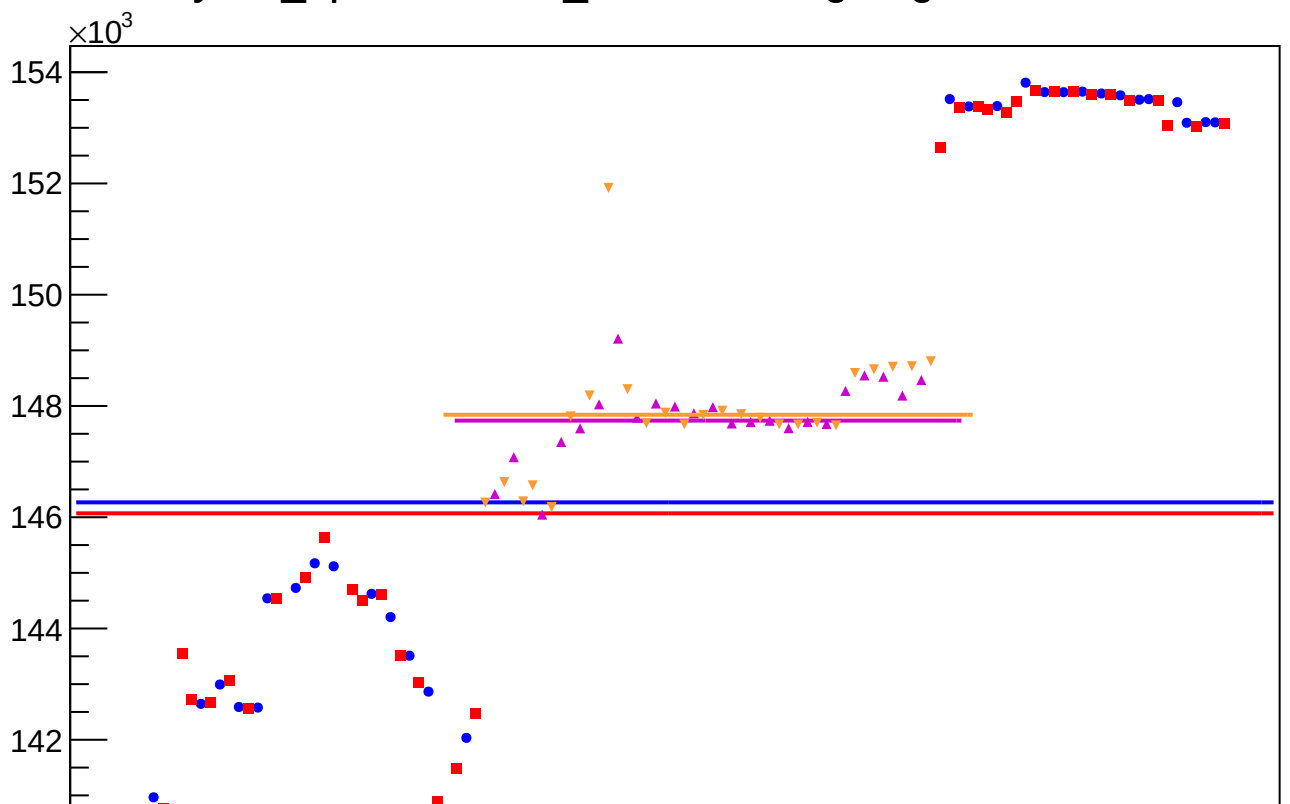
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 205.394+/-0.025 χ^2/NDF: 11115216.4/65

In: 211.498+/-0.026 χ^2/NDF:6331203.5/53

Out: 206.224+/-0.025 χ^2/NDF:6714178.8/59

All: 208.747+/-0.018 χ^2/NDF: 13067332.3/11



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: 146070.040+/-0.042 χ^2/NDF: 12022089500.7/34

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

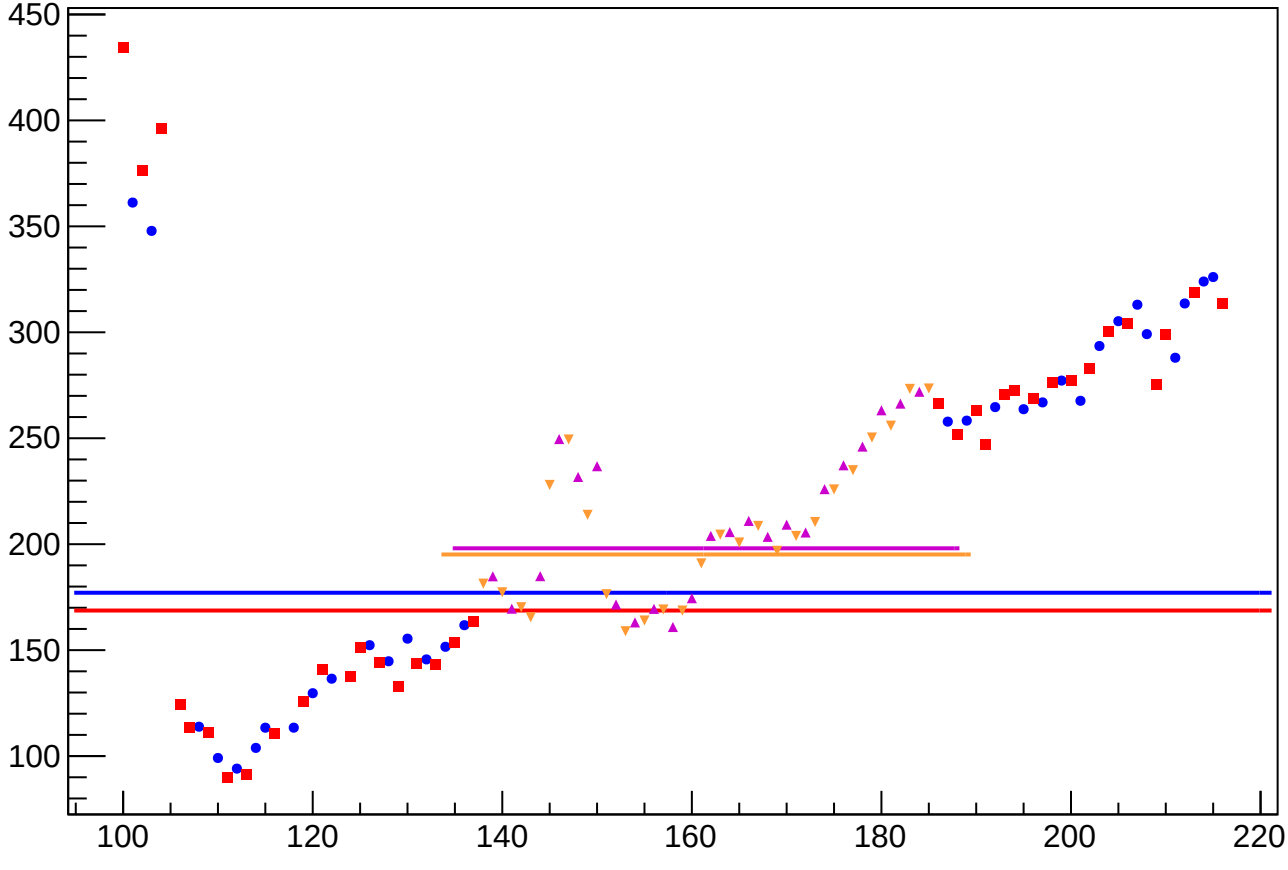
Right: 146163.164+/-0.031 χ^2/NDF: 23217201160.6

In: 146963.434+/-0.032 χ^2/NDF:11922303588.1/5

Out: 146899.164+/-0.031 χ^2/NDF:13555615428.1/

All: 146929.671+/-0.022 χ^2/NDF: 25479976

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



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: 168.692+/-0.030 χ^2/NDF: 6973874.9/34

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

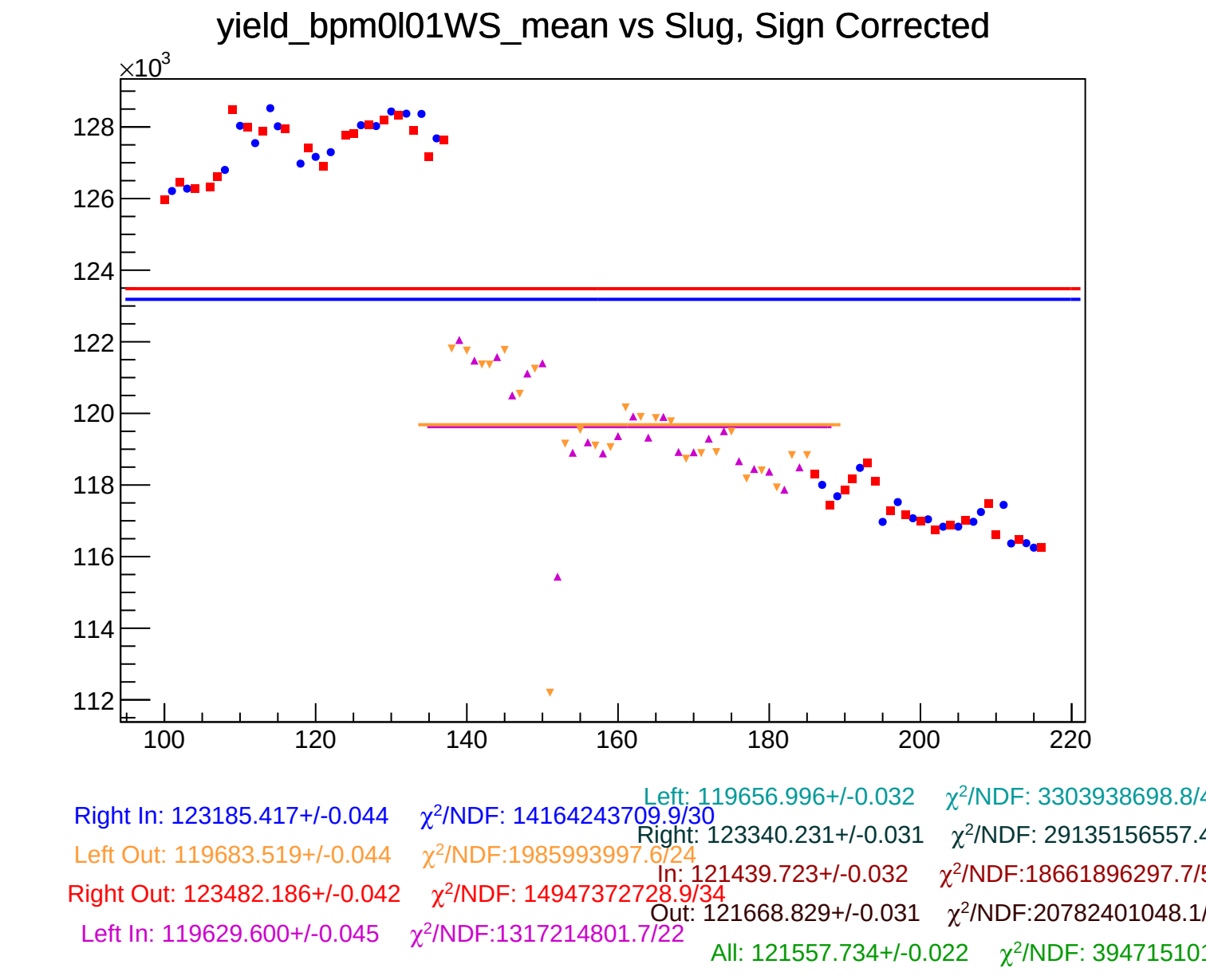
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 172.652+/-0.022 χ^2/NDF: 13462220.5/65

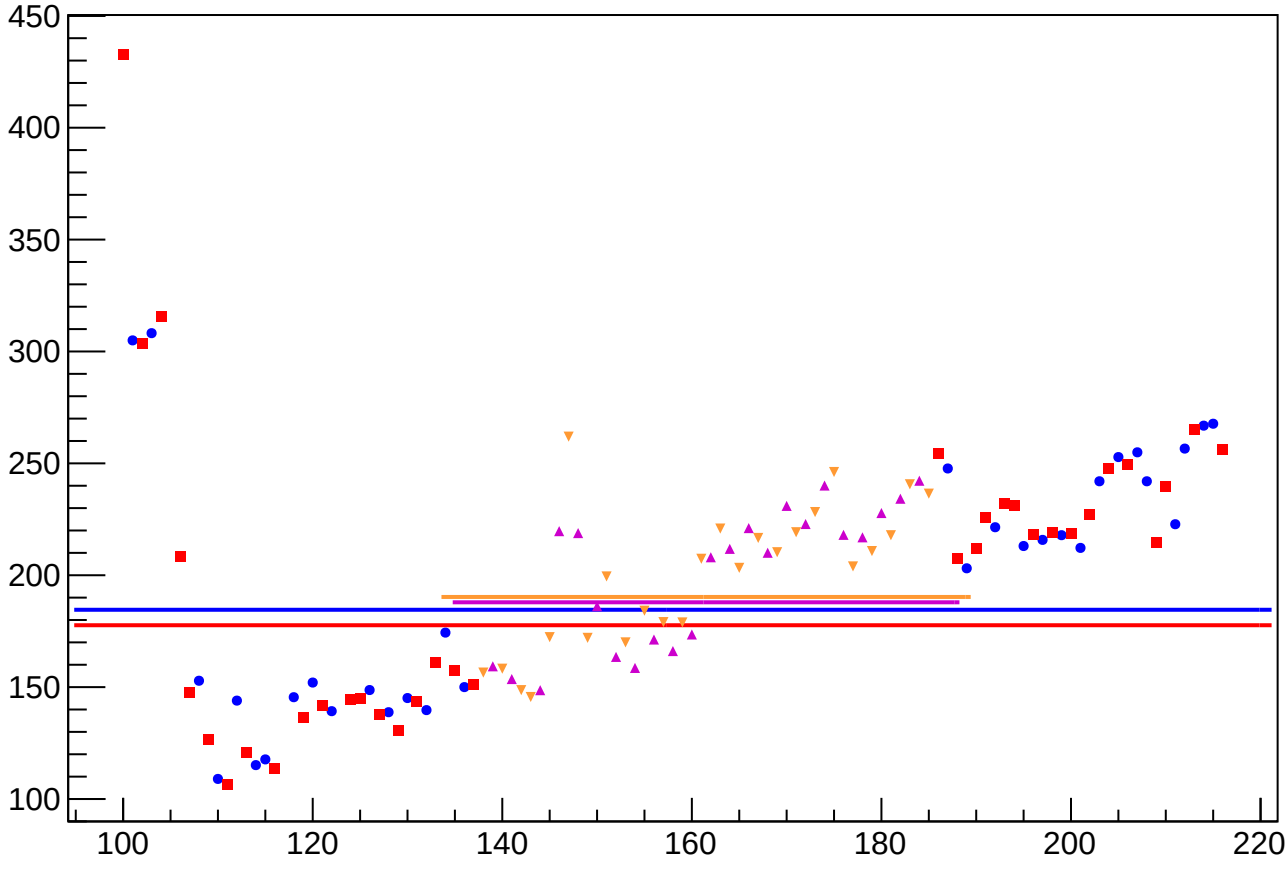
In: 187.019+/-0.023 χ^2/NDF:7559570.0/53

Out: 181.069+/-0.022 χ^2/NDF:8243529.7/59

All: 183.893+/-0.016 χ^2/NDF: 15838369.9/11


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
120
140
160
180
200
220
Right In: 123185.417+/-0.044 χ²/NDF: 14164243709.9/30
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 123482.186+/-0.042 χ²/NDF: 14947372728.9/34
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
Left: 119656.996+/-0.032 χ²/NDF: 3303938698.8/4
Right: 123340.231+/-0.031 χ²/NDF: 29135156557.4
In: 121439.723+/-0.032 χ²/NDF:18661896297.7/5
Out: 121668.829+/-0.031 χ²/NDF:20782401048.1/
All: 121557.734+/-0.022 χ²/NDF: 39471510

yield_bpm0l01WS_rms vs Slug, Sign Corrected



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: 177.660+/-0.030 χ^2/NDF: 3254342.4/34

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

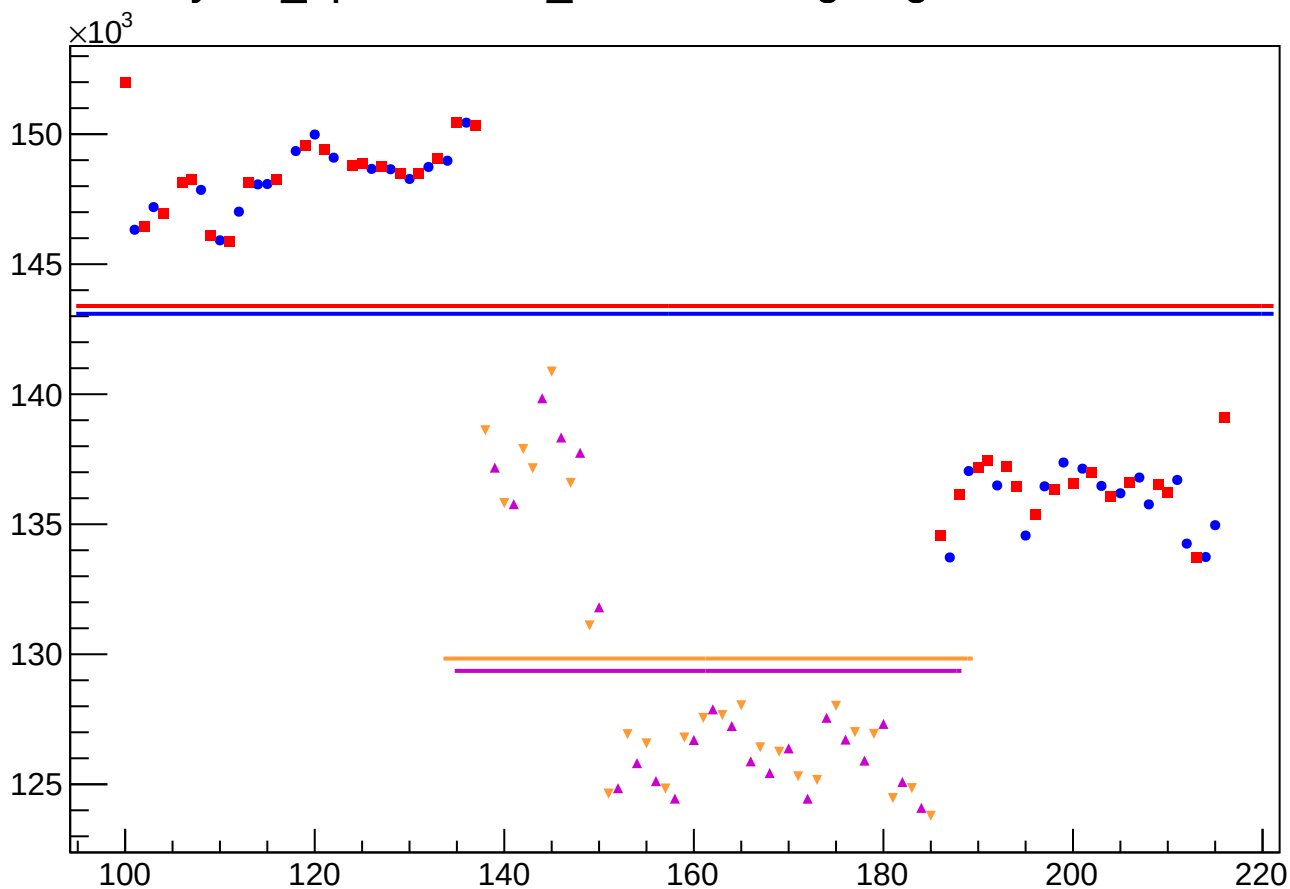
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 180.966+/-0.022 χ^2/NDF: 6064539.7/65

In: 186.210+/-0.022 χ^2/NDF:3716308.3/53

Out: 183.693+/-0.022 χ^2/NDF:4264089.6/59

All: 184.913+/-0.016 χ^2/NDF: 7986966.3/113



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: 143391.917+/-0.059 χ^2/NDF: 10368140867.2/34

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

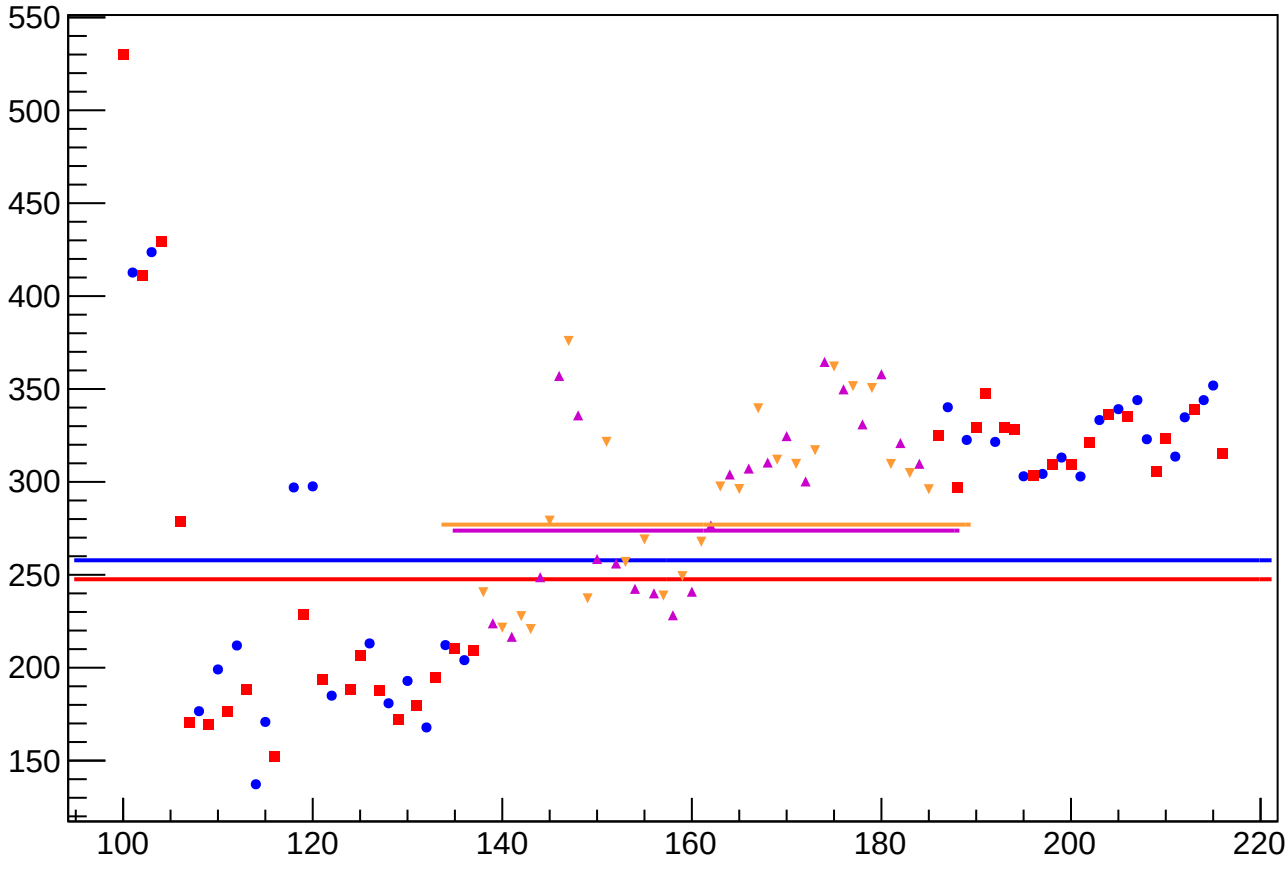
Right: 143249.154+/-0.043 χ^2/NDF: 20896852772.9

In: 136620.790+/-0.045 χ^2/NDF:40484666594.7/5

Out: 137205.000+/-0.043 χ^2/NDF:41406956263.3

All: 136922.797+/-0.031 χ^2/NDF: 81979279

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: 247.609+/-0.042 χ^2/NDF: 3026926.4/34

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

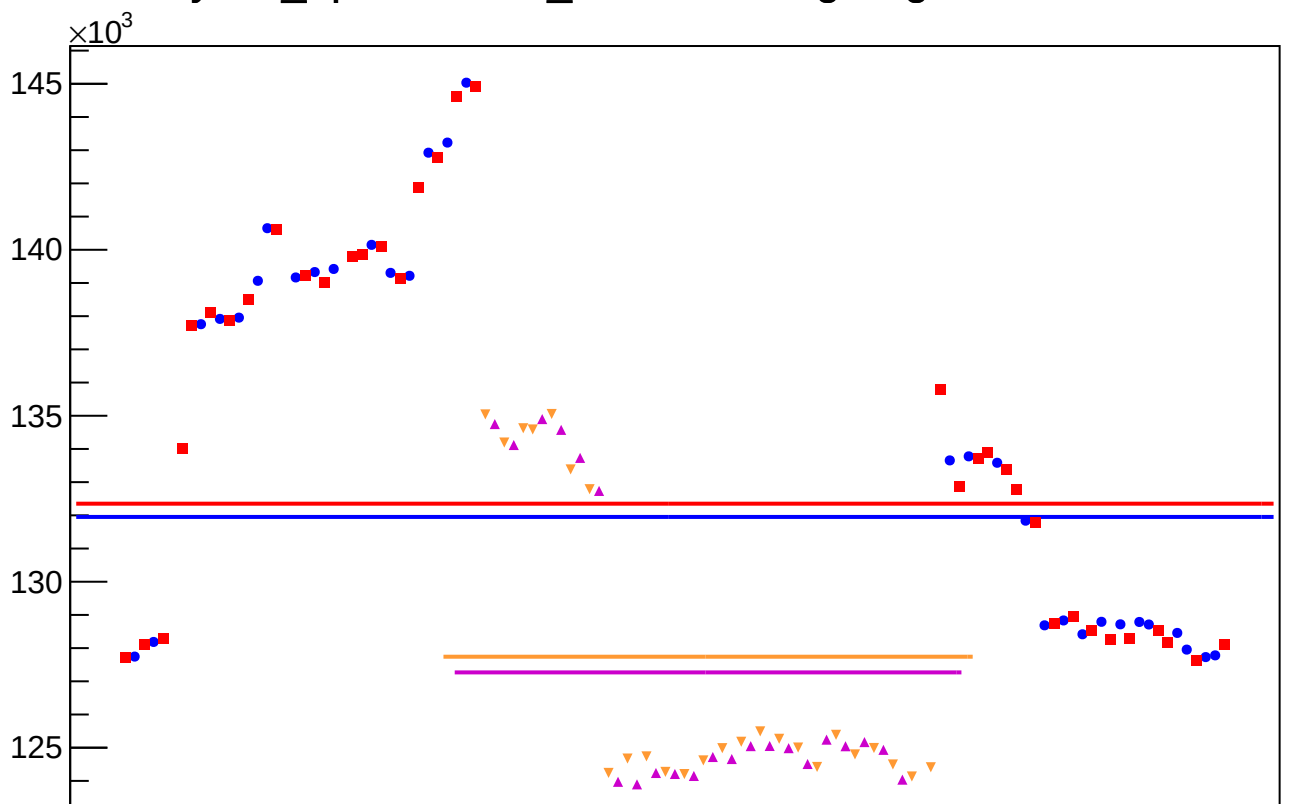
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 252.468+/-0.030 χ^2/NDF: 5853054.8/65

In: 265.341+/-0.032 χ^2/NDF:3864519.7/53

Out: 261.031+/-0.031 χ^2/NDF:4201750.5/59

All: 263.113+/-0.022 χ^2/NDF: 8075810.6/113



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: 132351.253+/-0.101 χ^2/NDF: 2139990670.8/34

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

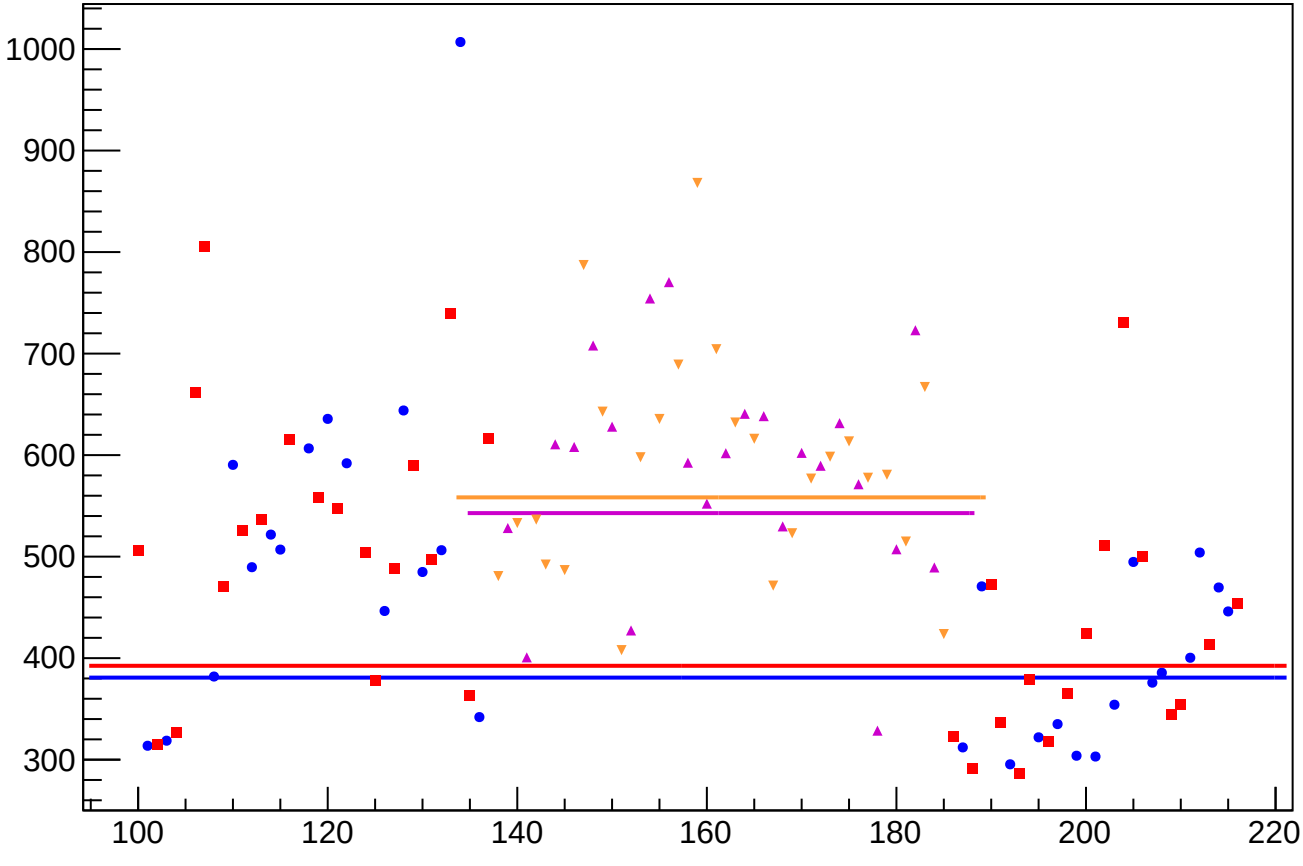
Right: 132146.317+/-0.070 χ^2/NDF: 5061285127.5/

In: 130383.764+/-0.080 χ^2/NDF:4644186646.0/53

Out: 130705.879+/-0.081 χ^2/NDF:3976108141.1/5

All: 130543.238+/-0.057 χ^2/NDF: 86282068

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: 392.465+/-0.071 χ^2/NDF: 2026943.9/34

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

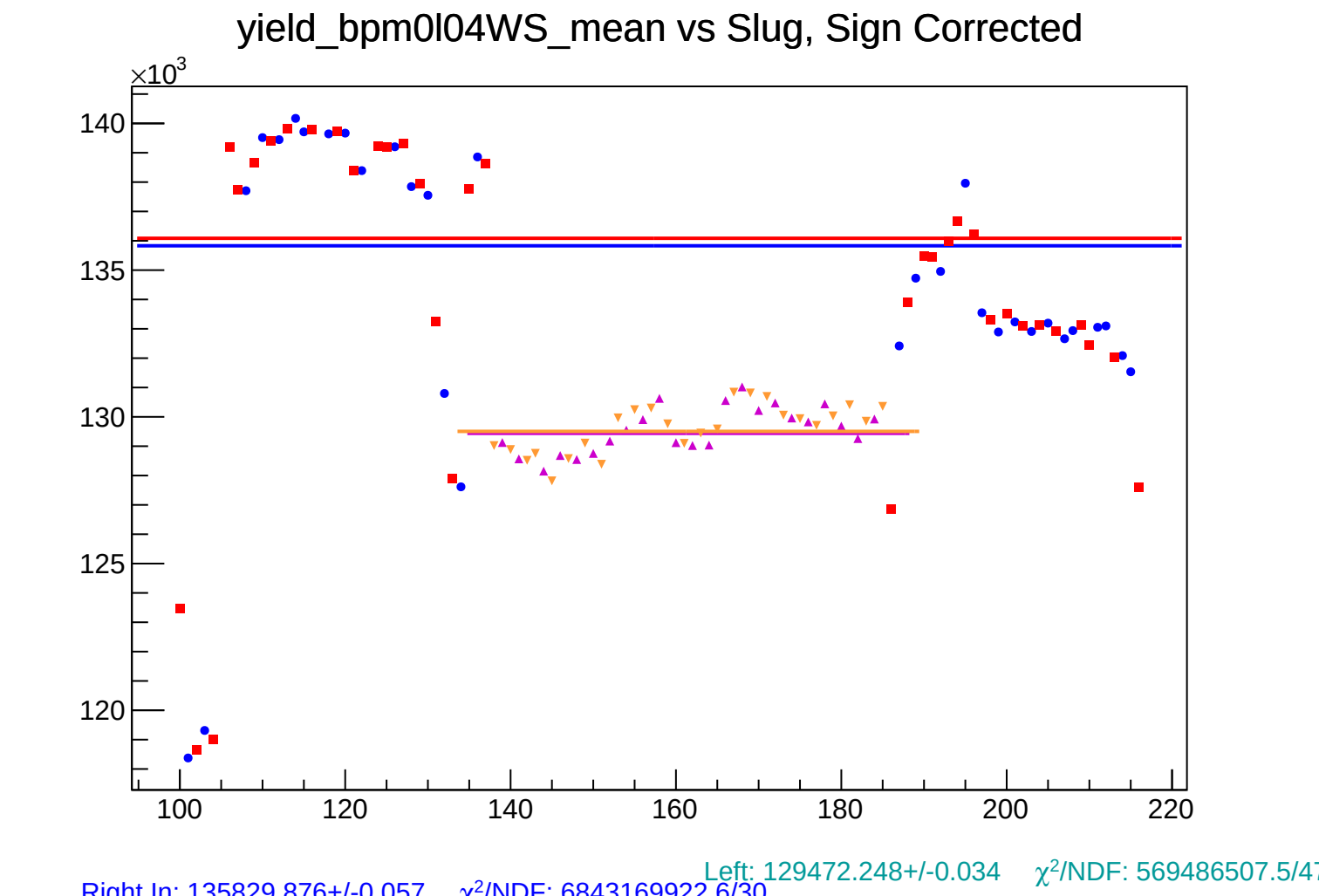
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 386.493+/-0.050 χ^2/NDF: 3799530.5/65

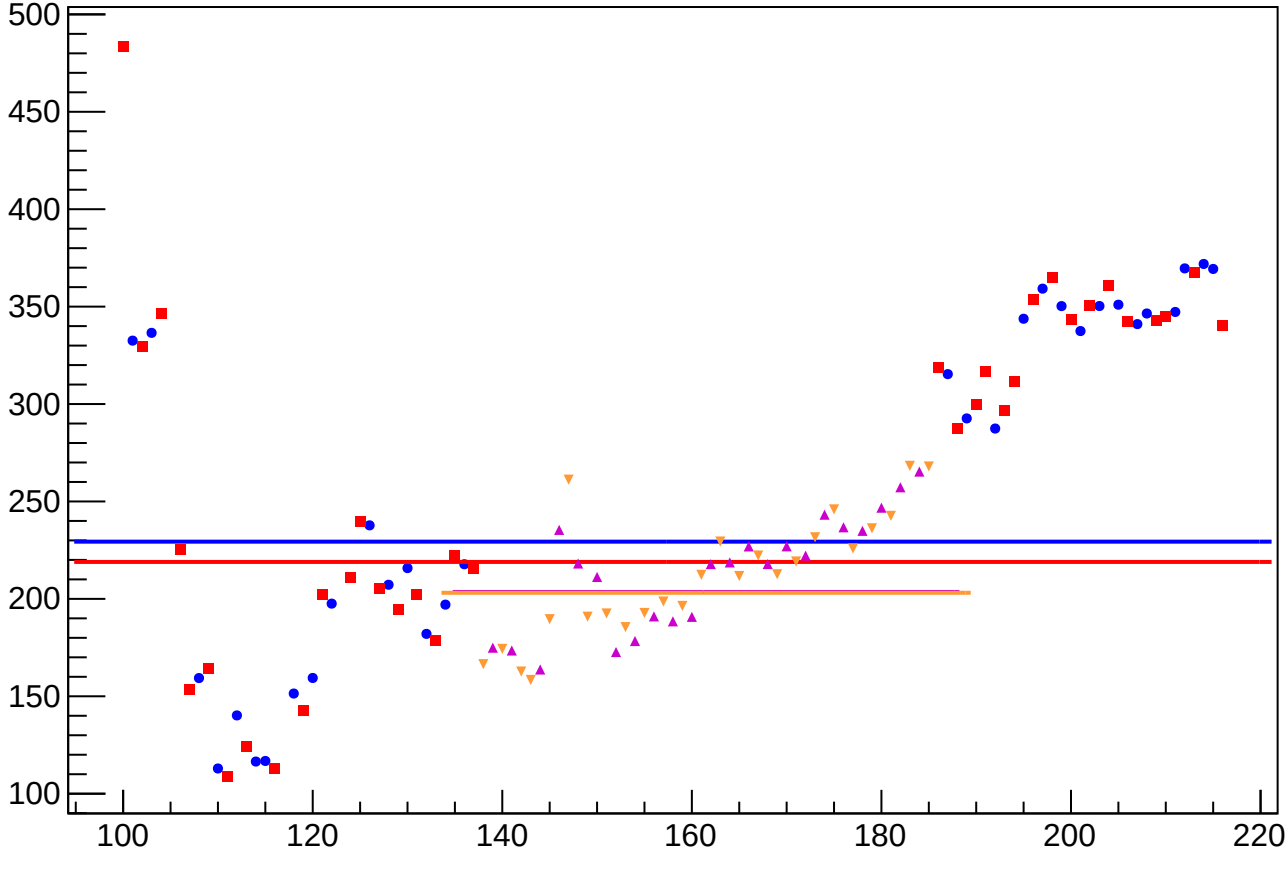
In: 435.091+/-0.057 χ^2/NDF:4993971.8/53

Out: 451.679+/-0.057 χ^2/NDF:4921320.2/59

All: 443.303+/-0.040 χ^2/NDF: 9957646.9/113


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: 136084.701+/-0.054 χ²/NDF: 7503011656.1/34
Left In: 129437.551+/-0.048 χ²/NDF:269025464.3/22
Left: 129472.248+/-0.034 χ²/NDF: 569486507.5/47
Right: 135963.743+/-0.039 χ²/NDF: 14356682250.5
In: 132117.768+/-0.037 χ²/NDF:14416568570.7/5
Out: 132330.141+/-0.036 χ²/NDF:16218626446.4
All: 132228.073+/-0.026 χ²/NDF: 30652393

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: 218.963+/-0.038 χ^2/NDF: 5702643.6/34

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

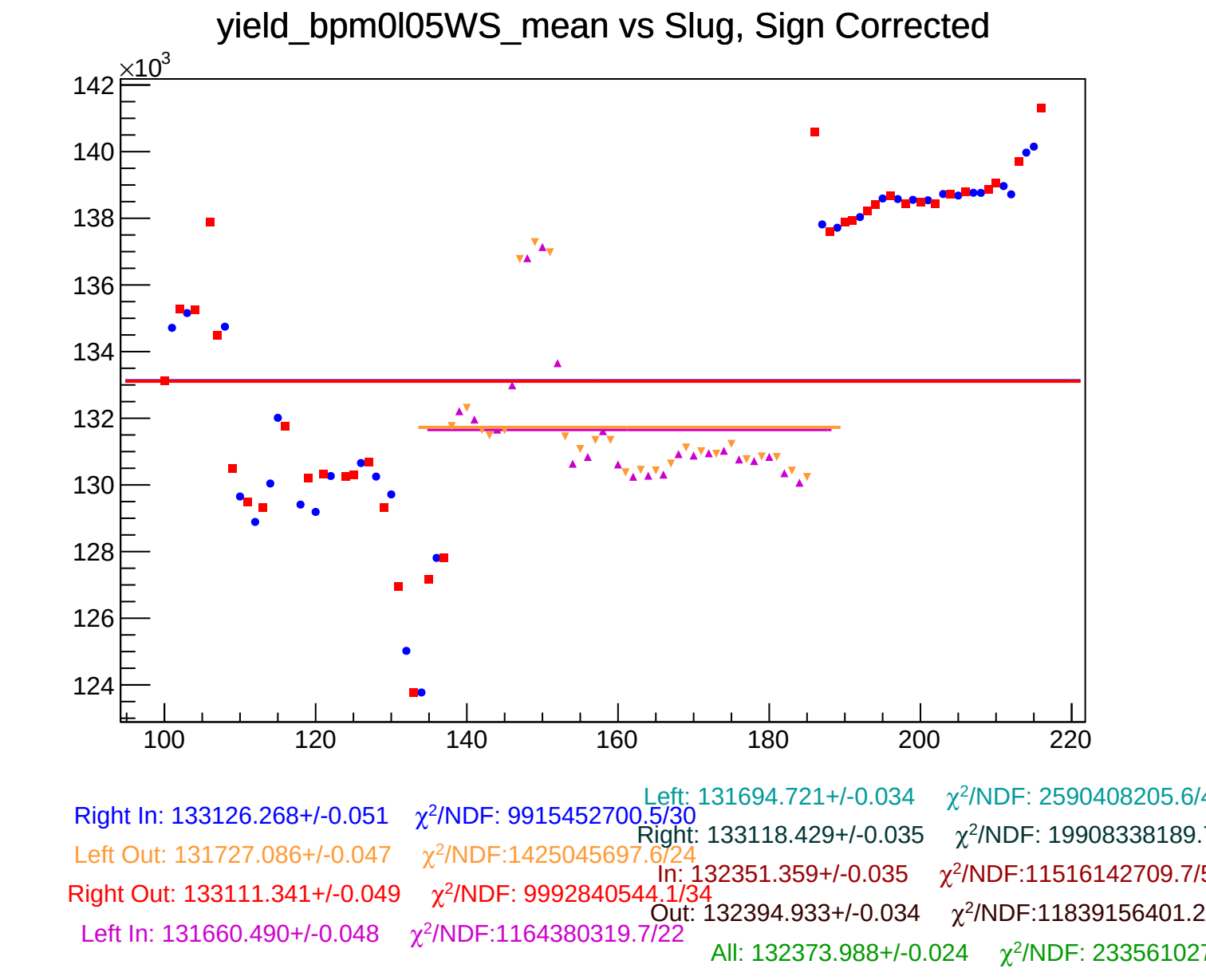
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 223.902+/-0.028 χ^2/NDF: 10869341.0/65

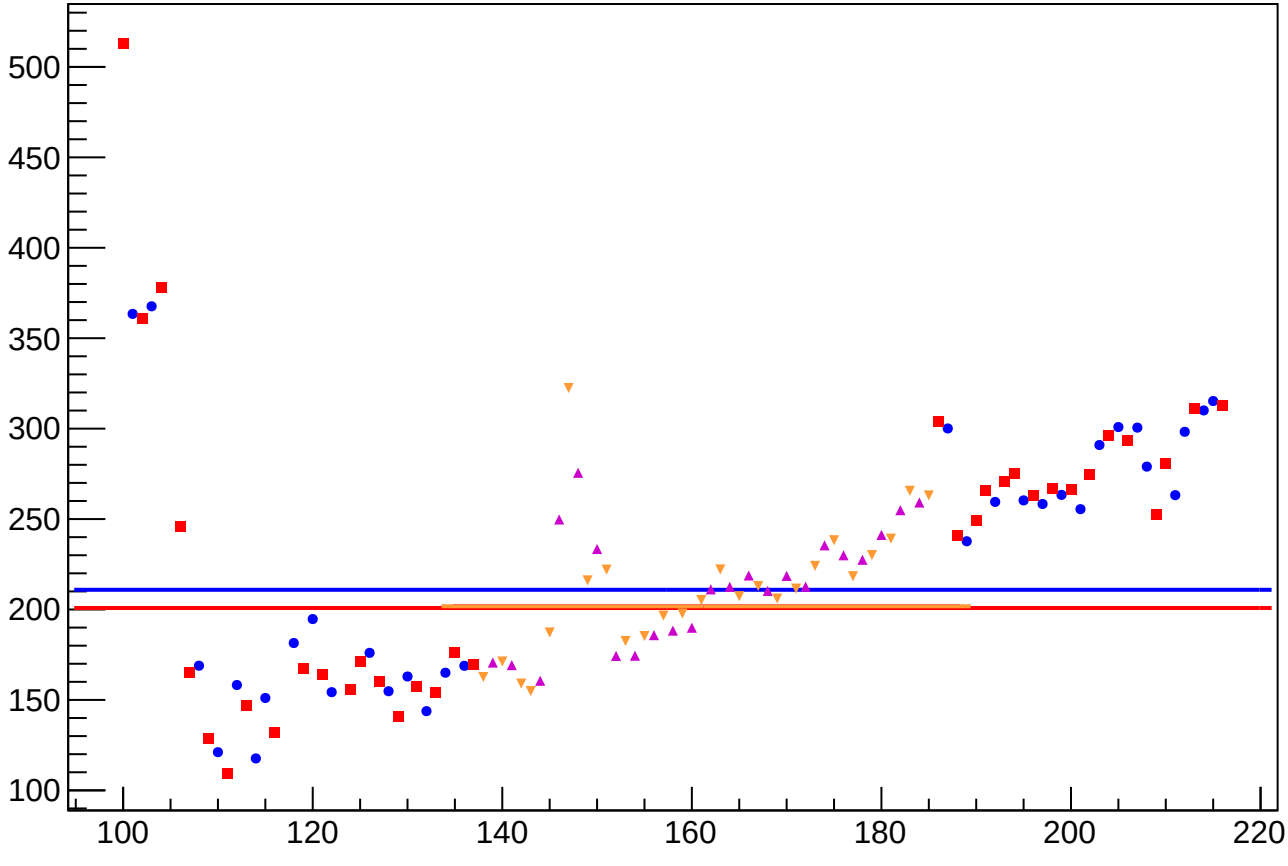
In: 214.373+/-0.026 χ^2/NDF:6036096.0/53

Out: 209.928+/-0.025 χ^2/NDF:6558563.6/59

All: 212.064+/-0.018 χ^2/NDF: 12609731.0/11


yield_bpm0l05WS_mean vs Slug, Sign Corrected
×10^3
142
140
138
136
134
132
130
128
126
124
100
120
140
160
180
200
220
Right In: 133126.268+/-0.051 χ²/NDF: 9915452700.5/30
Left Out: 131727.086+/-0.047 χ²/NDF:1425045697.6/24
Right Out: 133111.341+/-0.049 χ²/NDF: 9992840544.1/34
Left In: 131660.490+/-0.048 χ²/NDF:1164380319.7/22
Left: 131694.721+/-0.034 χ²/NDF: 2590408205.6/4
Right: 133118.429+/-0.035 χ²/NDF: 19908338189.
In: 132351.359+/-0.035 χ²/NDF:11516142709.7/5
Out: 132394.933+/-0.034 χ²/NDF:11839156401.2
All: 132373.988+/-0.024 χ²/NDF: 23356102

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: 200.834+/-0.034 χ^2/NDF: 4072372.1/34

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

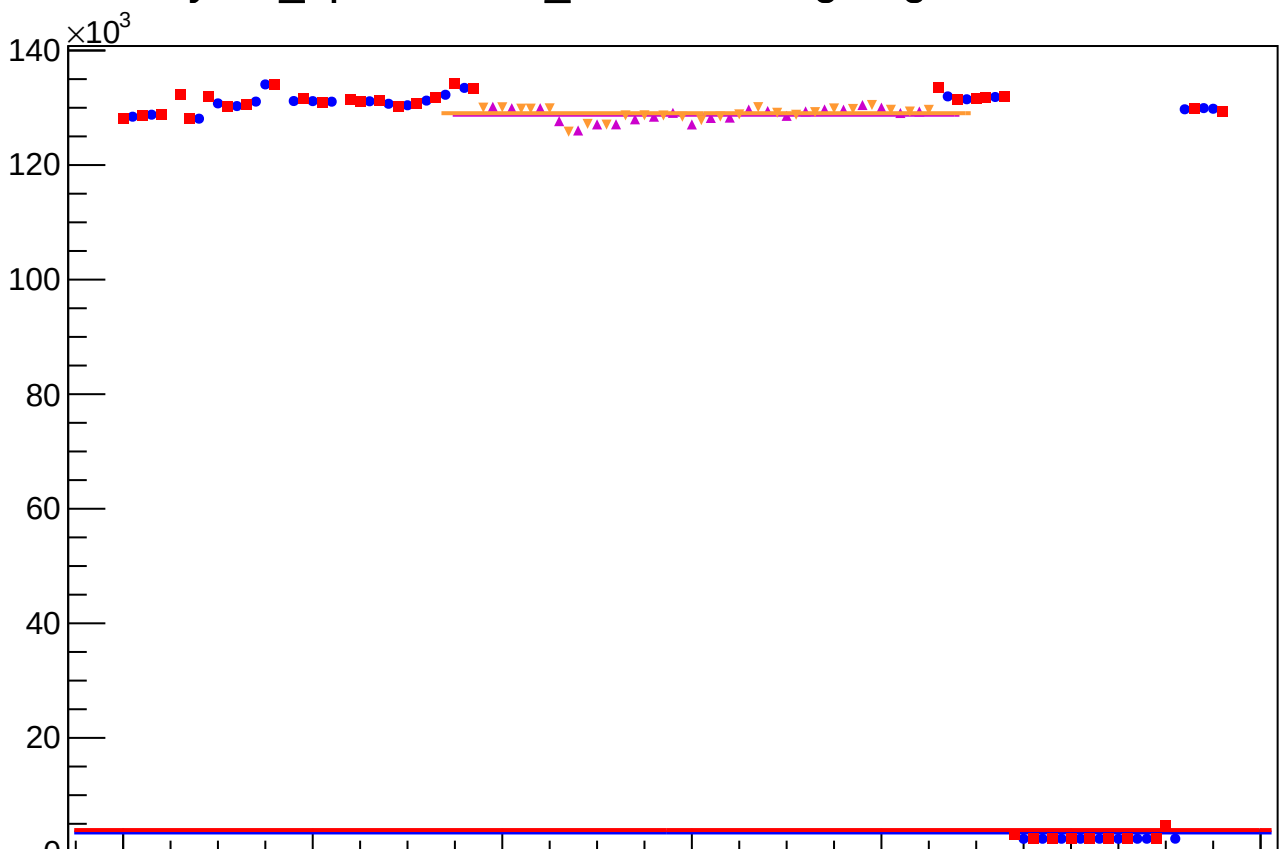
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 205.611+/-0.025 χ^2/NDF: 7444366.2/65

In: 206.164+/-0.025 χ^2/NDF:4166378.0/53

Out: 201.333+/-0.024 χ^2/NDF:4978132.7/59

All: 203.655+/-0.017 χ^2/NDF: 9164267.5/113



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: 3908.861+/-0.005 χ^2/NDF: 6198542631519.9/34

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

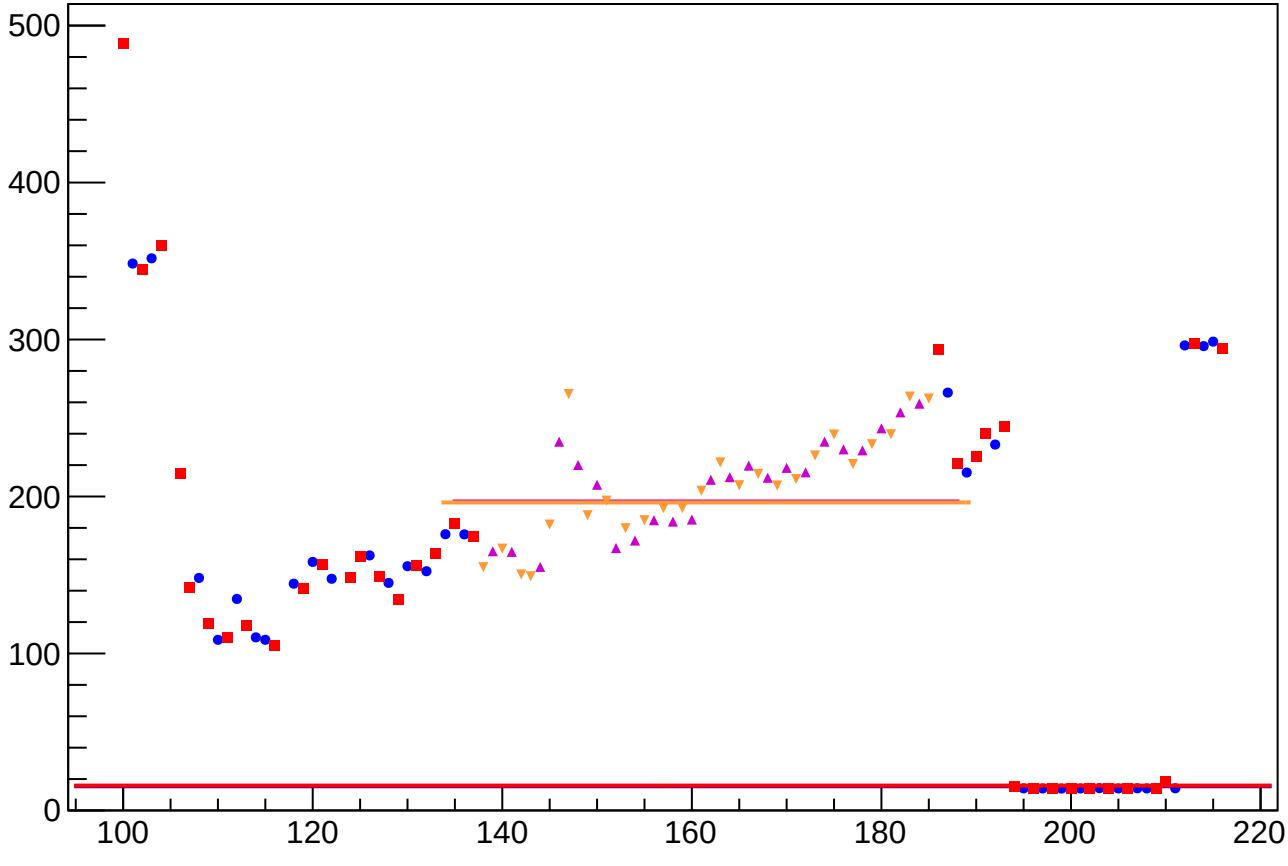
Right: 3682.468+/-0.004 χ^2/NDF: 11673849295918

In: 4926.694+/-0.005 χ^2/NDF:12528953120435.6

Out: 5681.384+/-0.005 χ^2/NDF:13659282199978.

All: 5275.978+/-0.004 χ^2/NDF: 2619867318

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: 15.843+/-0.004 χ^2/NDF: 19455618.5/34

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

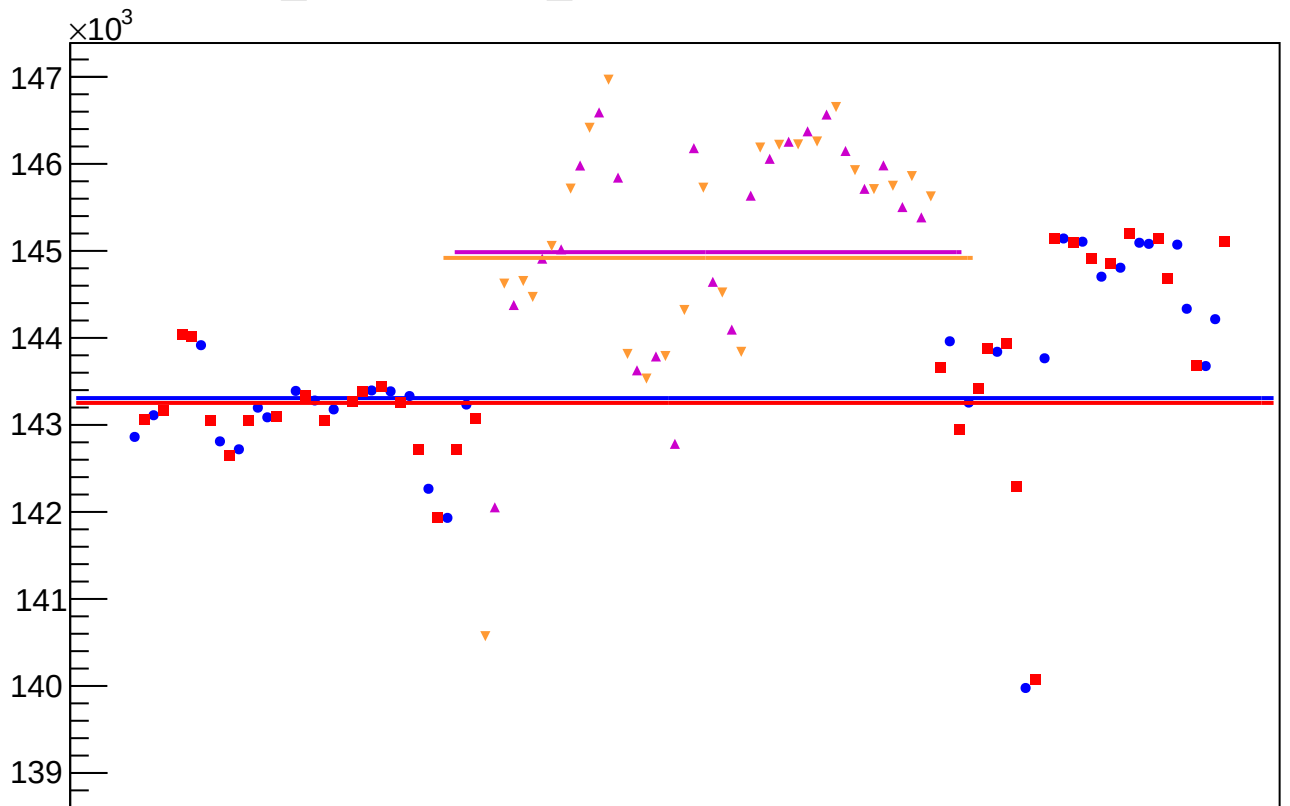
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.612+/-0.003 χ^2/NDF: 38621959.9/65

In: 17.498+/-0.004 χ^2/NDF:49521276.8/53

Out: 18.397+/-0.004 χ^2/NDF:51371083.5/59

All: 17.914+/-0.003 χ^2/NDF: 100922025.7/11



Right In: 143308.375+/-0.055 χ^2/NDF: 276061908.2/30

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143252.910+/-0.052 χ^2/NDF: 289122500.1/34

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

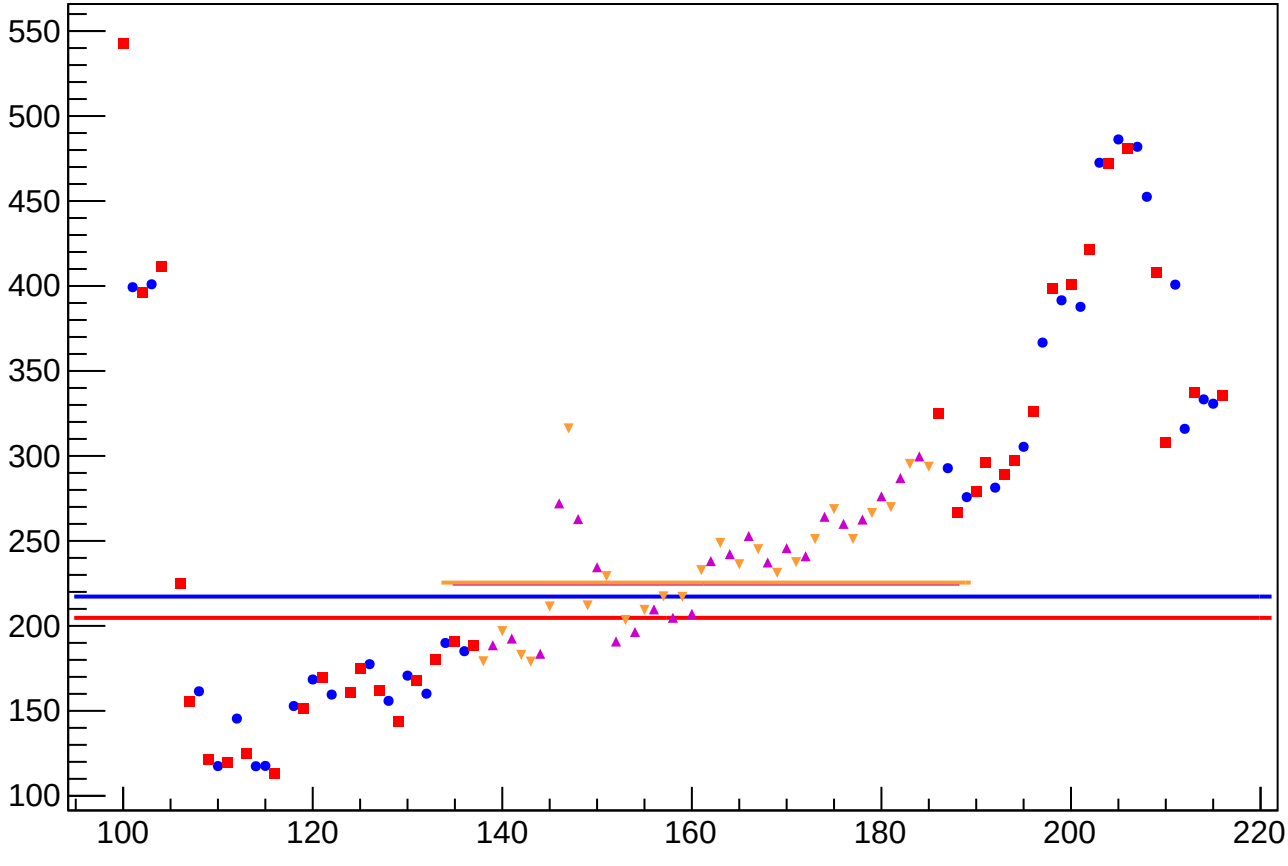
Right: 143278.850+/-0.038 χ^2/NDF: 565722827.2/6

In: 144171.273+/-0.038 χ^2/NDF:1370683255.7/53

Out: 144077.578+/-0.037 χ^2/NDF:1638923829.4/5

All: 144122.324+/-0.027 χ^2/NDF: 30127128

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: 204.726+/-0.037 χ^2/NDF: 7148627.0/34

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

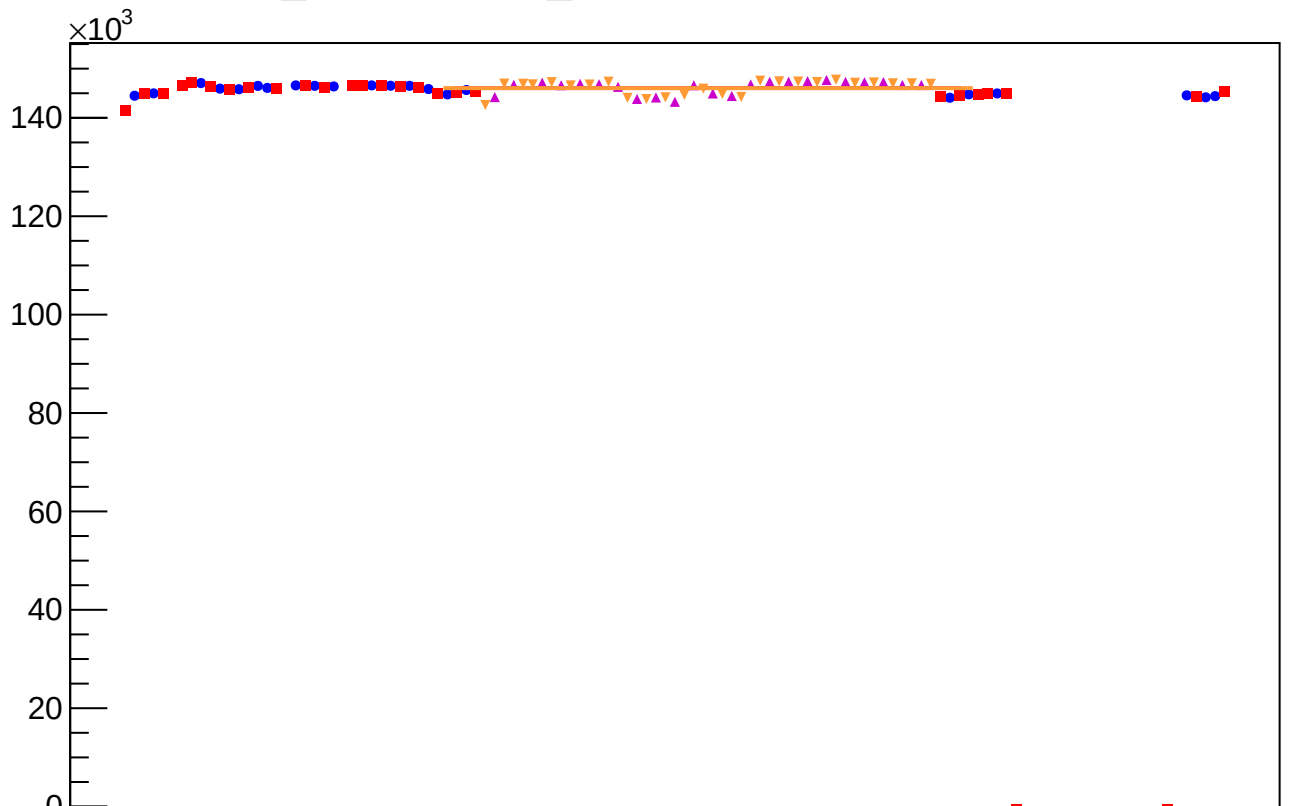
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 210.583+/-0.027 χ^2/NDF: 13855851.6/65

In: 221.169+/-0.027 χ^2/NDF:7395798.0/53

Out: 214.995+/-0.026 χ^2/NDF:8083488.1/59

All: 217.943+/-0.019 χ^2/NDF: 1550625 5.7/1



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: -847.209+/-0.003 χ^2/NDF: 6778014902959.7/34

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

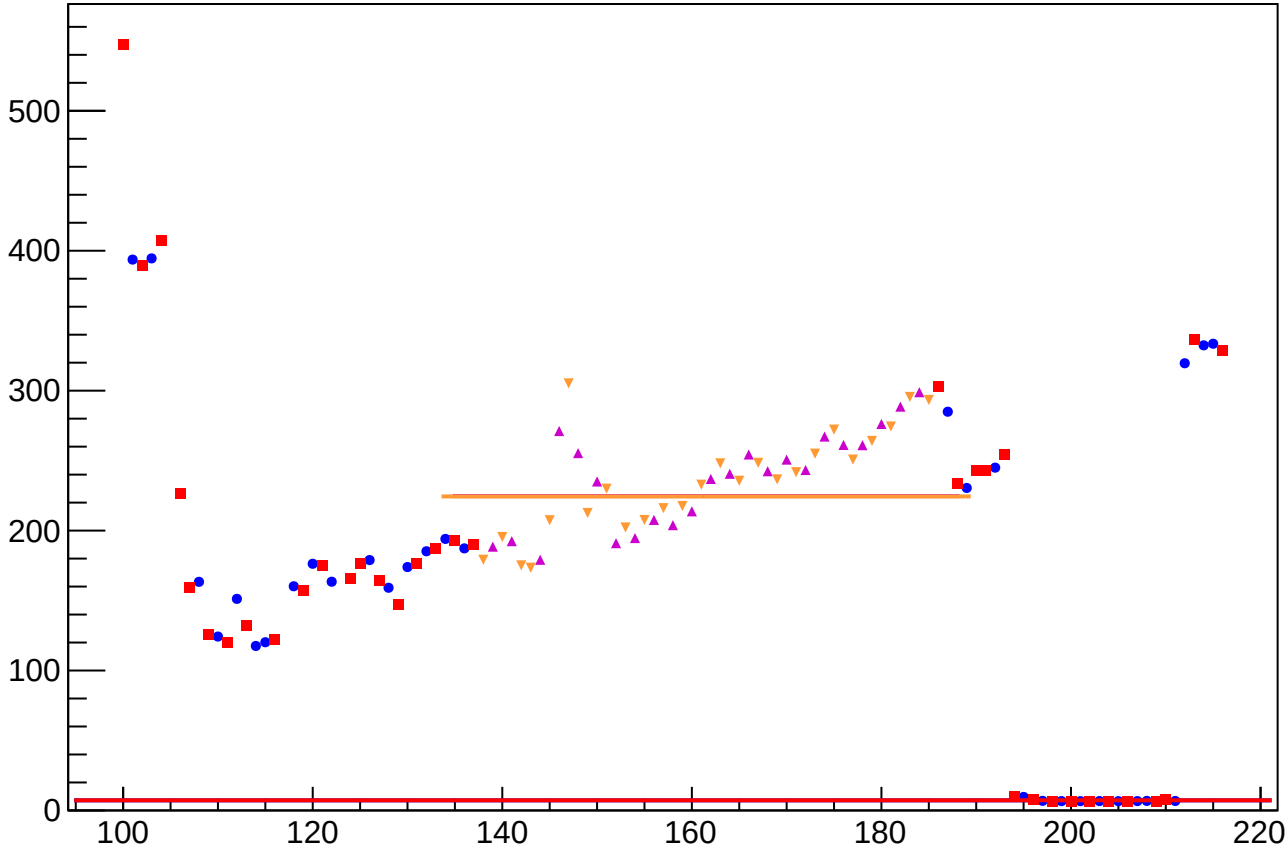
Right: -898.943+/-0.002 χ^2/NDF: 12668733706792

In: -623.483+/-0.003 χ^2/NDF:13406626226707.1/

Out: -456.676+/-0.003 χ^2/NDF:14734158298744.8

All: -545.901+/-0.002 χ^2/NDF: 2814285401

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: 7.262+/-0.002 χ^2/NDF: 21561190.2/34

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

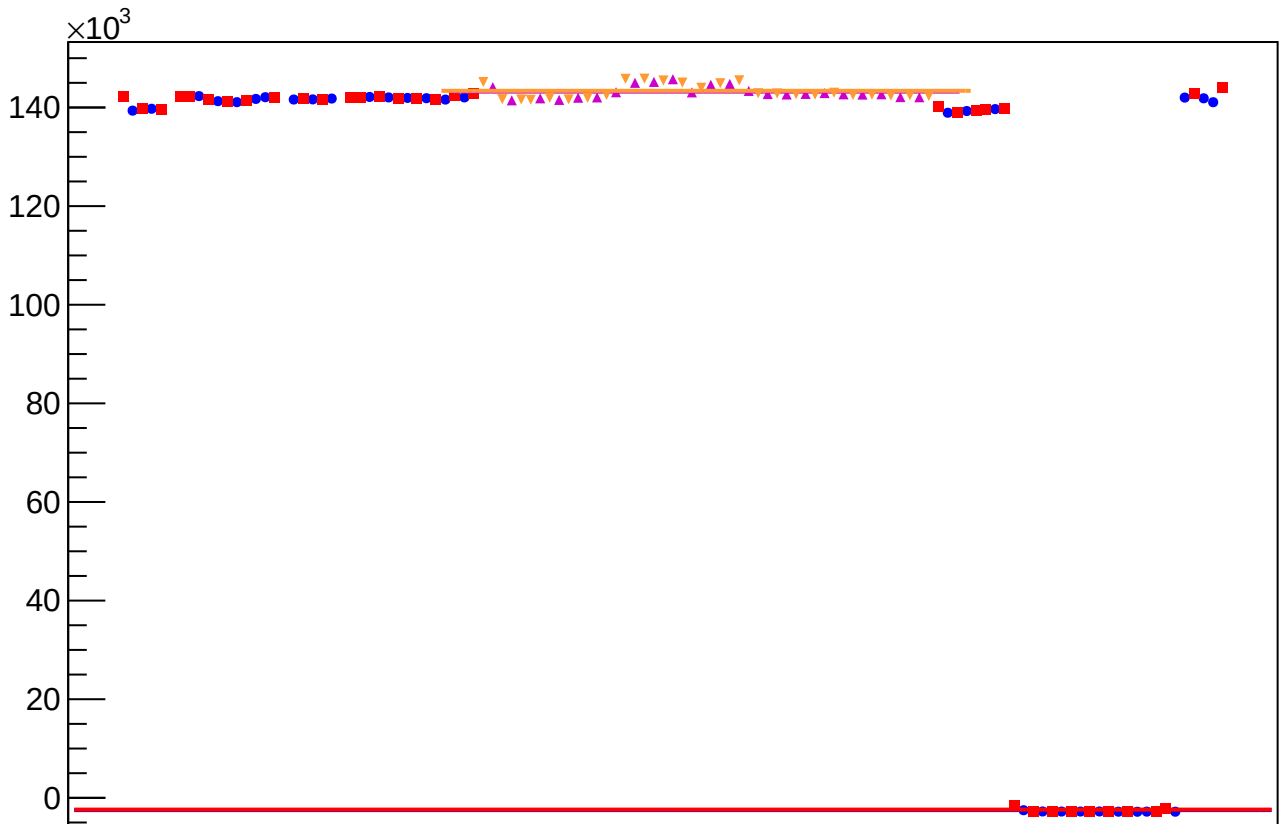
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.236+/-0.001 χ^2/NDF: 42708403.4/65

In: 7.687+/-0.002 χ^2/NDF:54793472.0/53

Out: 7.840+/-0.002 χ^2/NDF:57180603.8/59

All: 7.758+/-0.001 χ^2/NDF: 111977554.0/113



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: -2384.558+/-0.003 χ^2/NDF: 6114104017815.9/34

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

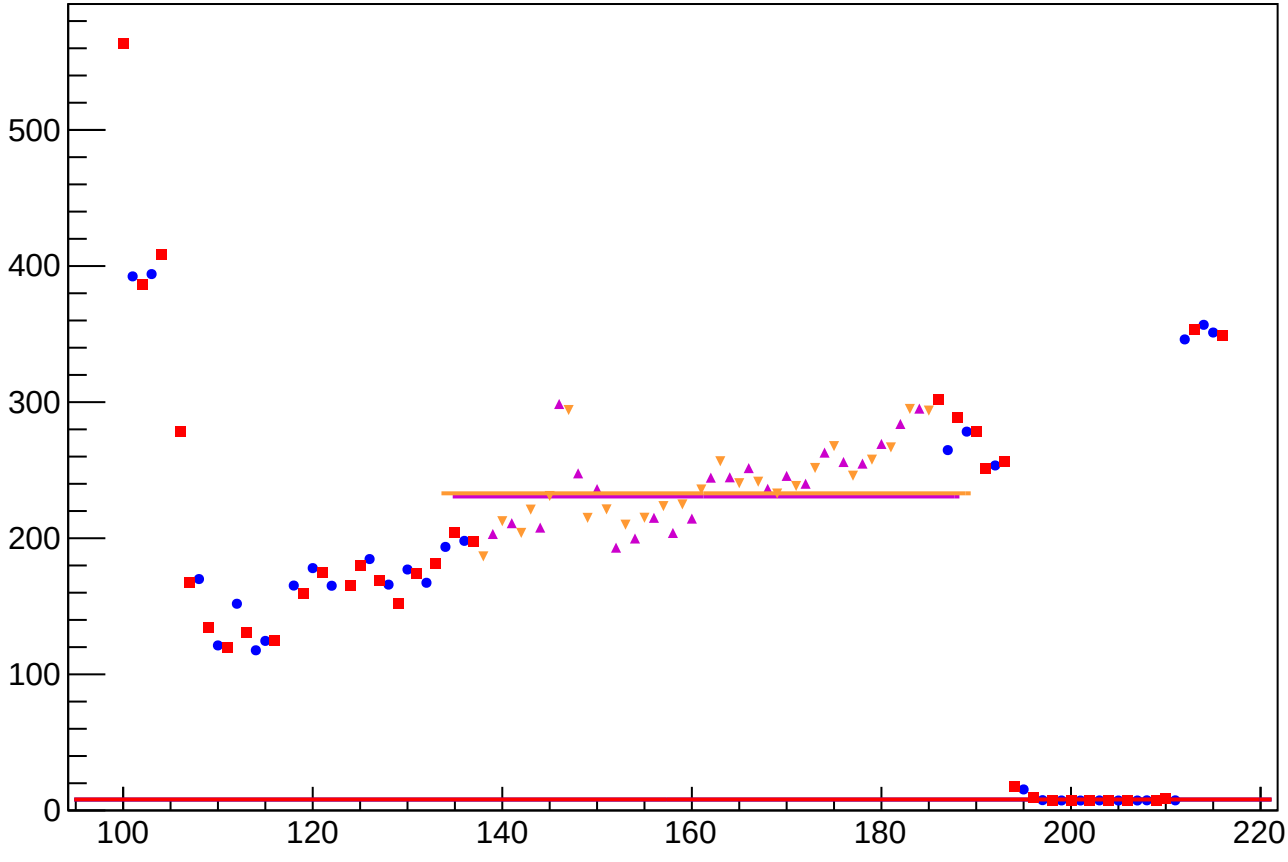
Right: -2439.182+/-0.002 χ^2/NDF: 1151968472919

In: -2108.536+/-0.003 χ^2/NDF:12449339518365.4

Out: -1930.428+/-0.003 χ^2/NDF:13465109195588

All: -2025.733+/-0.002 χ^2/NDF: 259163393

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: 8.069+/-0.002 χ^2/NDF: 21596952.3/34

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

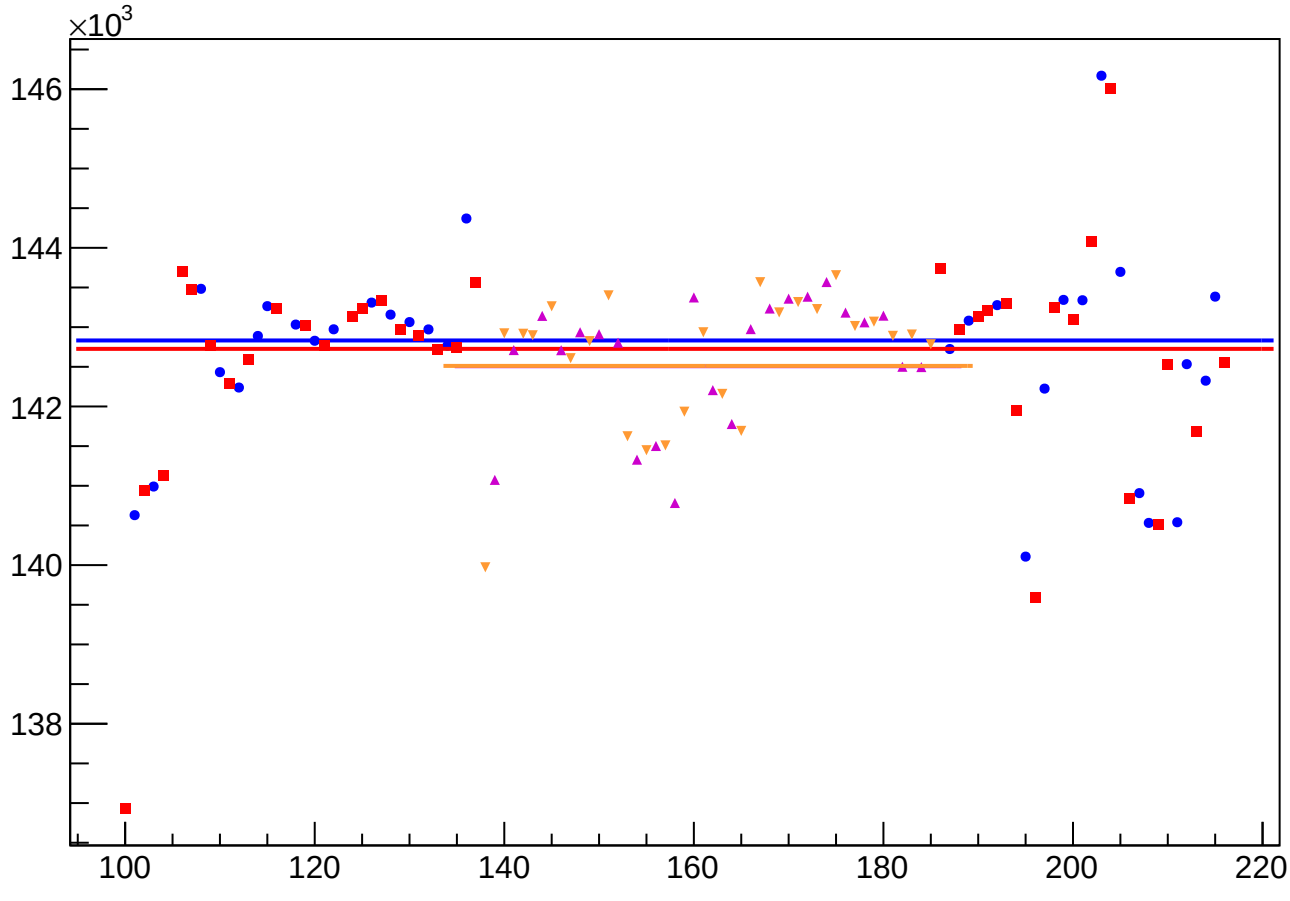
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.030+/-0.001 χ^2/NDF: 42887490.8/65

In: 8.574+/-0.002 χ^2/NDF:54709683.6/53

Out: 8.770+/-0.002 χ^2/NDF:57046421.3/59

All: 8.665+/-0.001 χ^2/NDF: 111760692.4/113



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: 142726.200+/-0.054 χ^2/NDF: 247375716.3/34

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

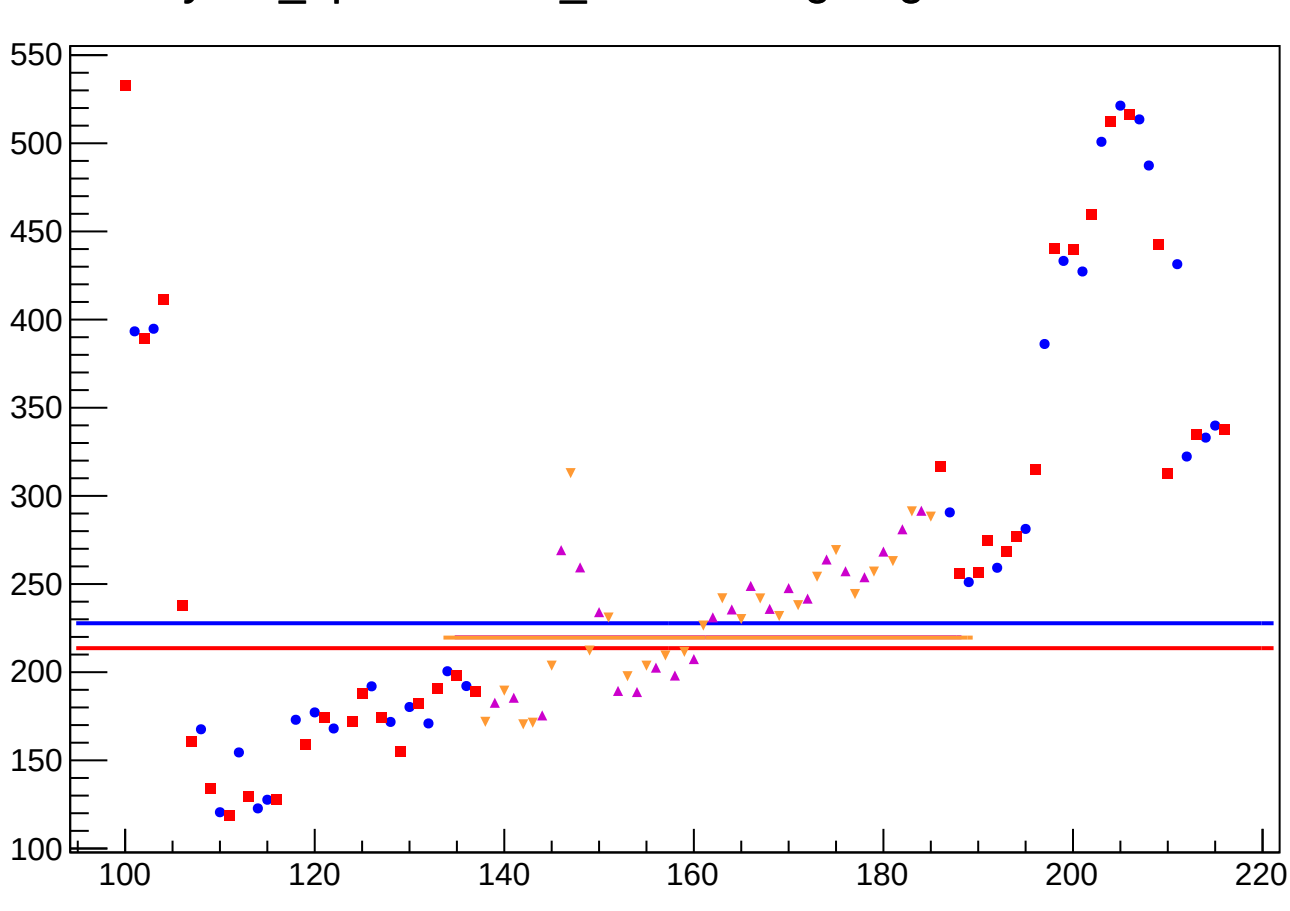
Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

Right: 142775.453+/-0.039 χ^2/NDF: 549573247.9/6

In: 142654.553+/-0.039 χ^2/NDF:587036690.9/53

Out: 142613.164+/-0.037 χ^2/NDF:593902389.8/59

All: 142632.850+/-0.027 χ^2/NDF: 11815367



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: 213.629+/-0.038 χ^2/NDF: 6729421.3/34

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

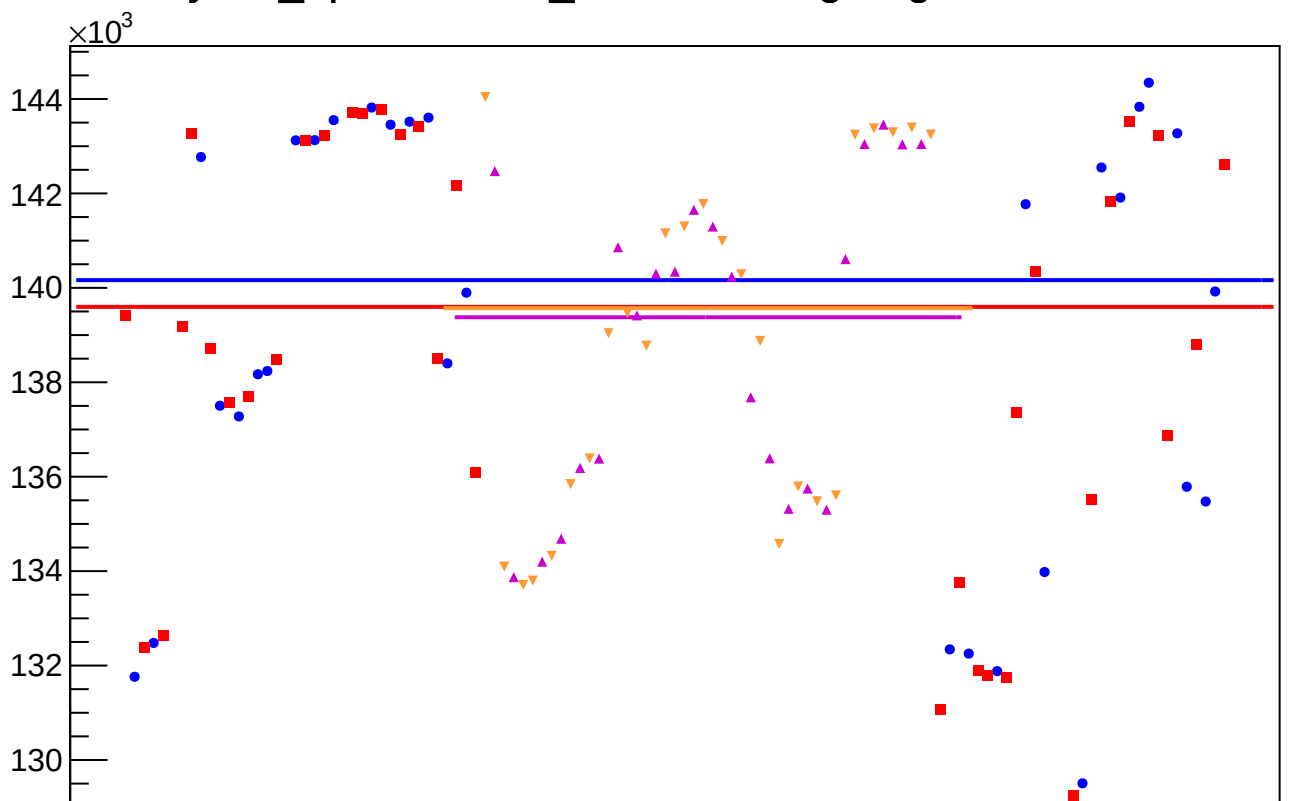
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 220.189+/-0.028 χ^2/NDF: 13125456.6/65

In: 223.411+/-0.027 χ^2/NDF:7157910.3/53

Out: 216.780+/-0.026 χ^2/NDF:7644568.5/59

All: 219.934+/-0.019 χ^2/NDF: 14833157.2/11



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: 139597.450+/-0.081 χ^2/NDF: 2846883753.1/34

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

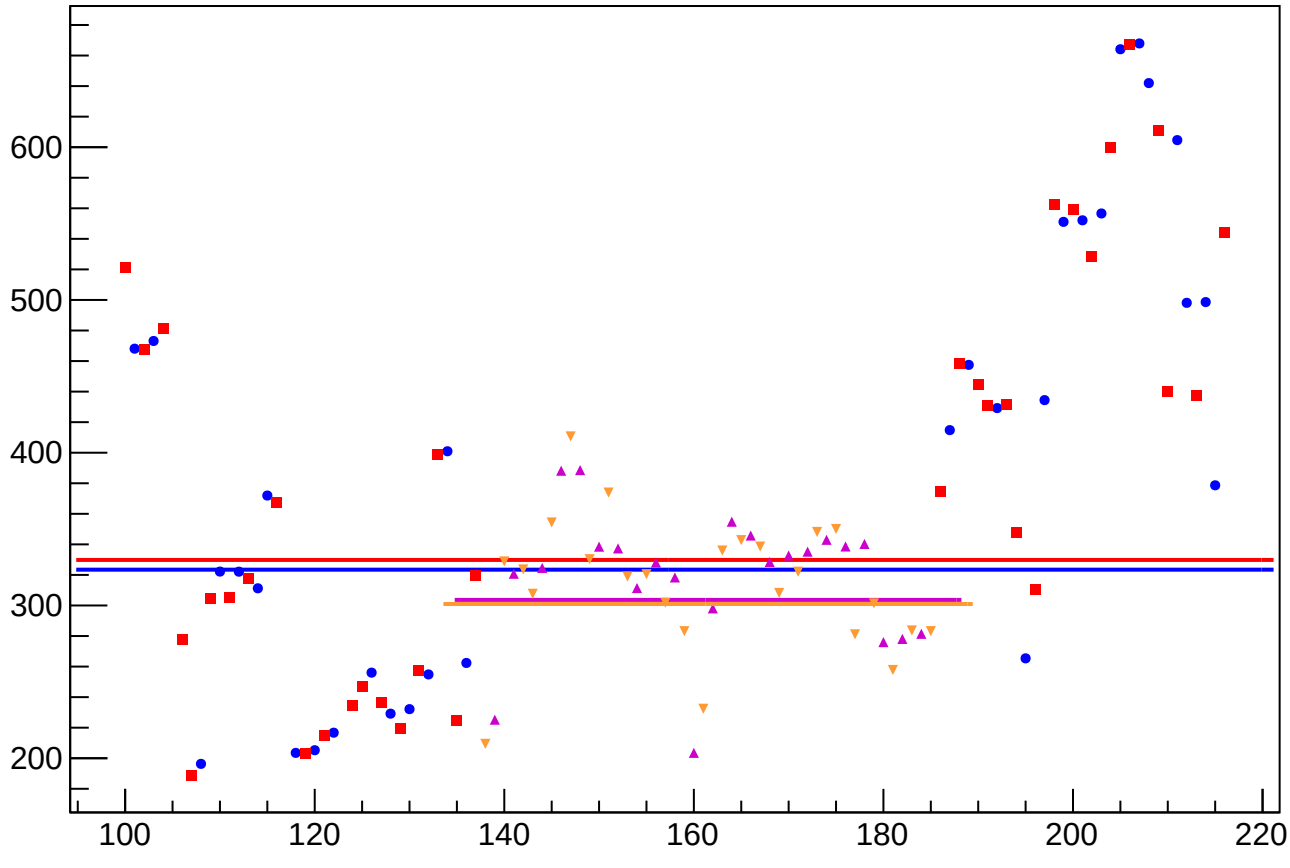
Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

Right: 139879.910+/-0.057 χ^2/NDF: 5673830479.1/

In: 139730.164+/-0.054 χ^2/NDF:4775906170.0/53

Out: 139581.076+/-0.053 χ^2/NDF:5433594702.7/5

All: 139653.837+/-0.038 χ^2/NDF: 10213378



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: 329.820+/-0.057 χ^2/NDF: 4737894.2/34

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

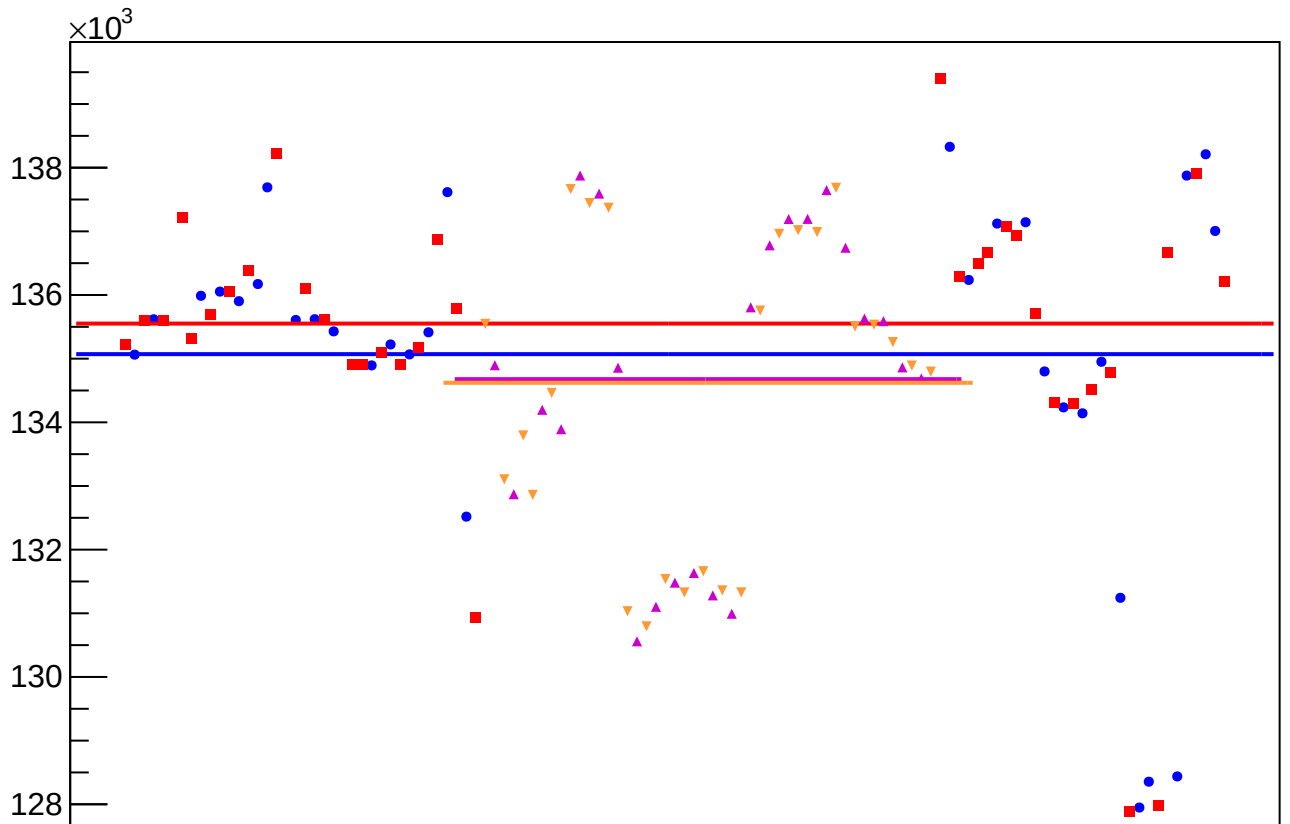
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 326.639+/-0.040 χ^2/NDF: 10020901.5/65

In: 312.533+/-0.038 χ^2/NDF:6319014.0/53

Out: 313.357+/-0.037 χ^2/NDF:5760641.7/59

All: 312.955+/-0.027 χ^2/NDF: 12079892.6/11



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: 135551.110+/-0.071 χ^2/NDF: 783650562.1/34

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

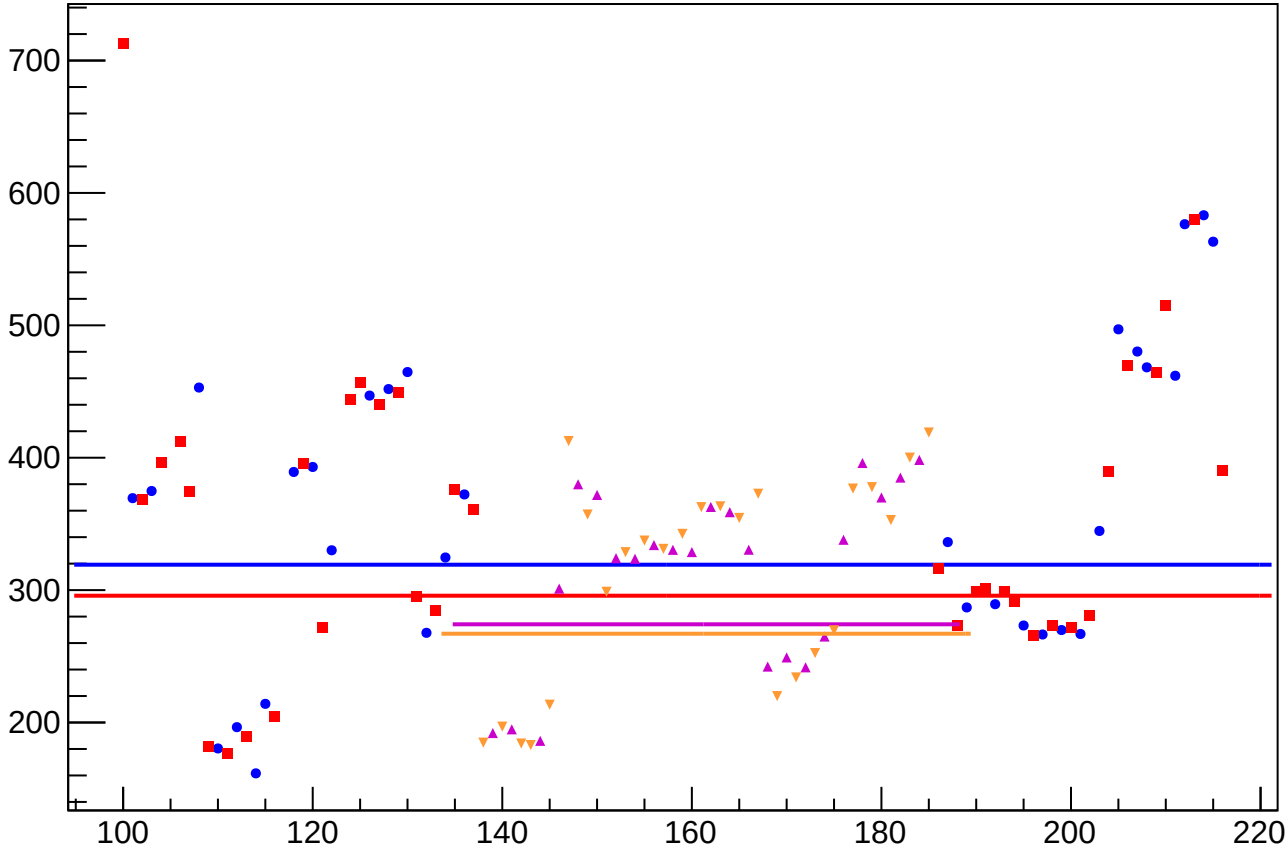
Right: 135332.278+/-0.052 χ^2/NDF: 1698710069.2/

In: 134846.797+/-0.051 χ^2/NDF:2005063496.5/53

Out: 135038.322+/-0.047 χ^2/NDF:2080699498.7/5

All: 134948.880+/-0.035 χ^2/NDF: 40934121

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: 295.771+/-0.050 χ^2/NDF: 3284586.4/34

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

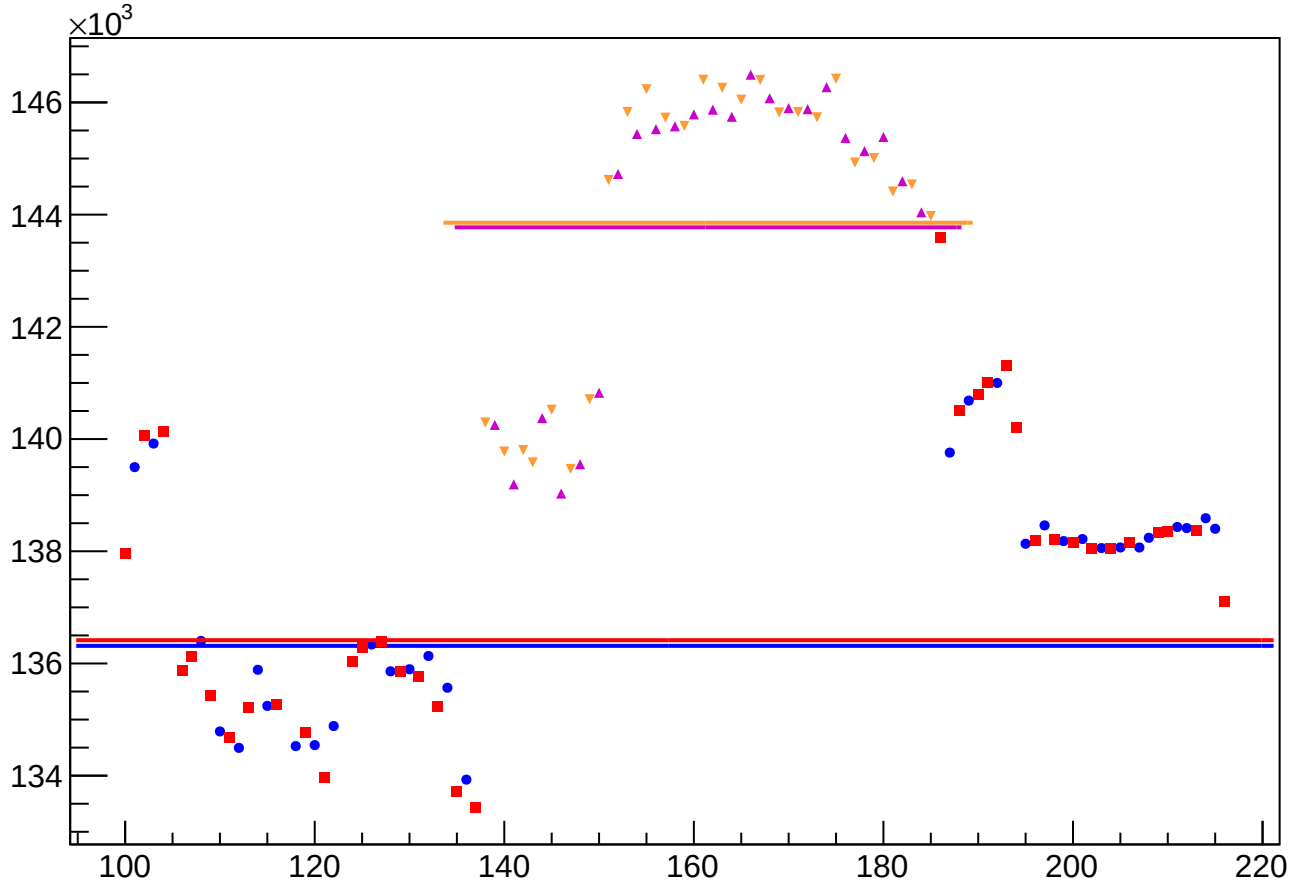
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 306.445+/-0.037 χ^2/NDF: 6967689.1/65

In: 293.480+/-0.036 χ^2/NDF:6208021.3/53

Out: 279.939+/-0.033 χ^2/NDF:6310082.8/59

All: 286.263+/-0.024 χ^2/NDF: 12594579.9/11



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: 136414.739+/-0.043 χ^2/NDF: 2304611229.3/34

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

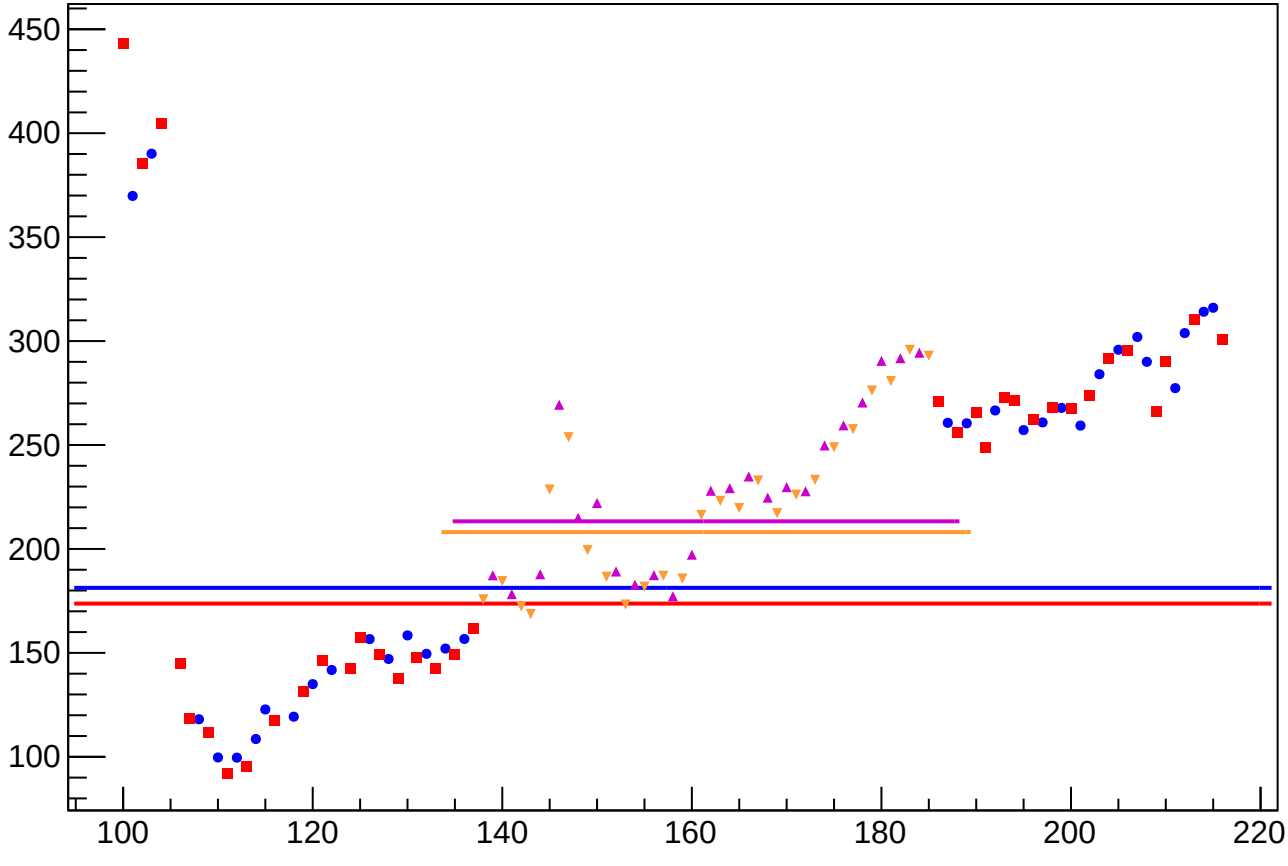
Right: 136366.704+/-0.031 χ^2/NDF: 4046198947.4/

In: 139614.501+/-0.034 χ^2/NDF:16505509056.9/5

Out: 139730.664+/-0.032 χ^2/NDF:18574294210.4

All: 139675.402+/-0.023 χ^2/NDF: 35085969

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: 173.721+/-0.031 χ^2/NDF: 6332853.0/34

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

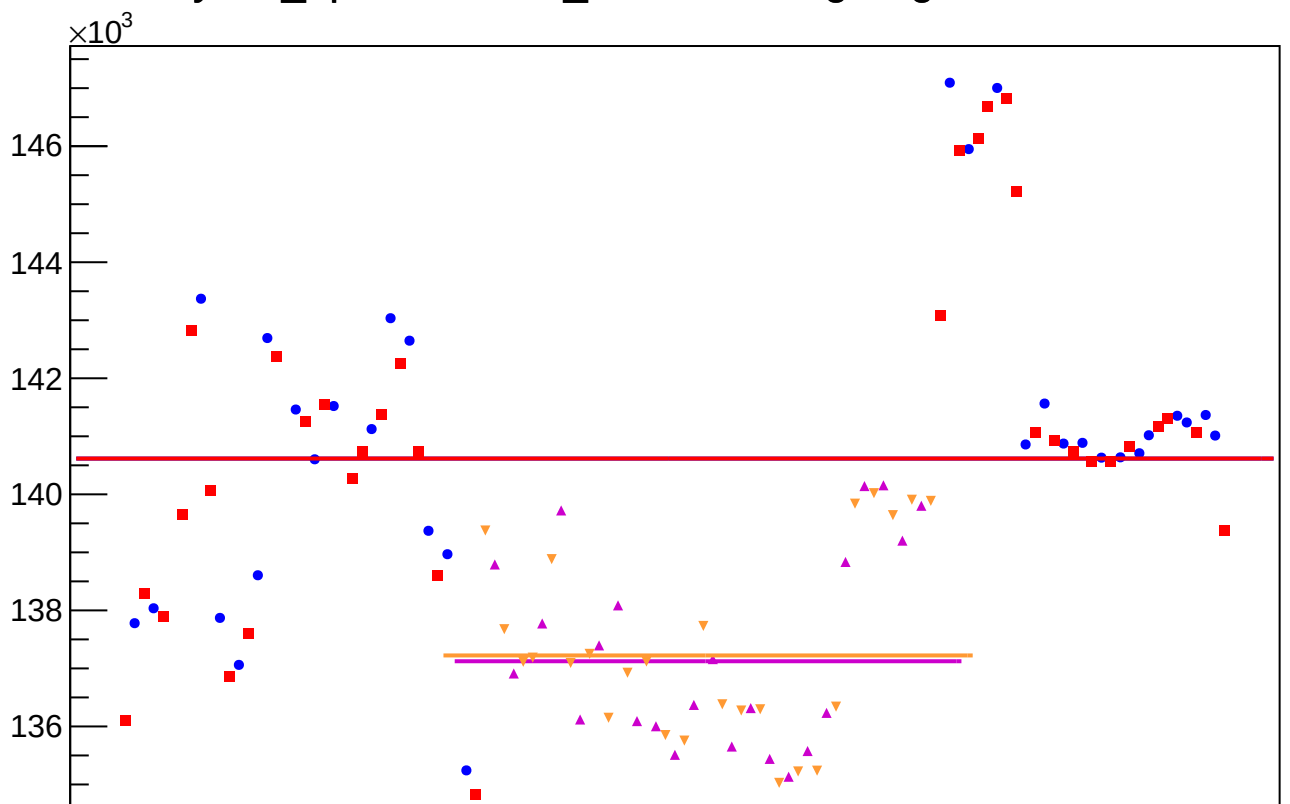
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 177.330+/-0.022 χ^2/NDF: 12191574.3/65

In: 195.445+/-0.024 χ^2/NDF:7135606.0/53

Out: 189.041+/-0.023 χ^2/NDF:7886823.9/59

All: 192.088+/-0.017 χ^2/NDF: 15059917.0/1



Right In: 140615.972+/-0.051 χ^2/NDF: 2823656870.1/30

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140616.857+/-0.049 χ^2/NDF: 3257963207.2/34

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

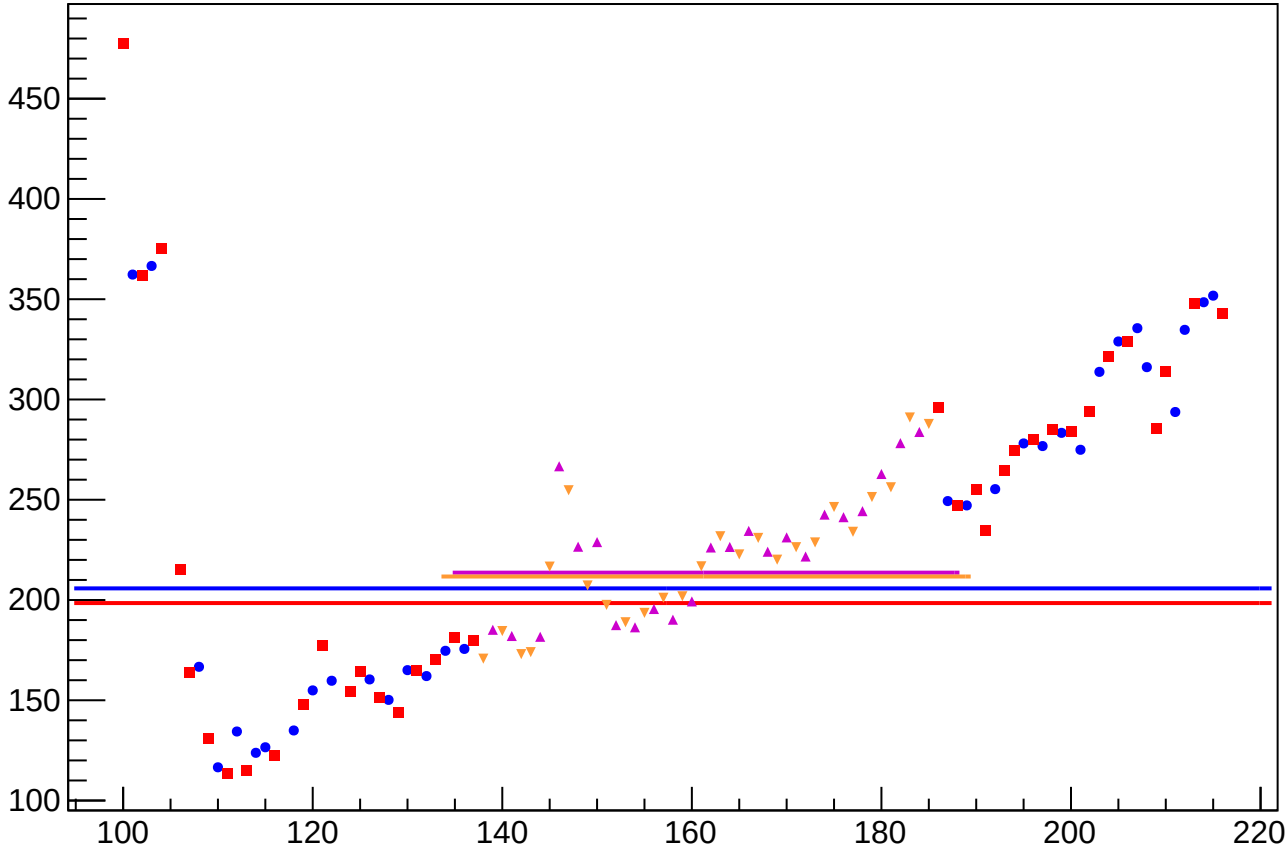
Right: 140616.433+/-0.035 χ^2/NDF: 6081620236.3/

In: 138878.925+/-0.036 χ^2/NDF:6049880708.7/53

Out: 138936.975+/-0.035 χ^2/NDF:6569236370.5/5

All: 138909.097+/-0.025 χ^2/NDF: 12620475

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



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: 198.473+/-0.034 χ^2/NDF: 5040798.5/34

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

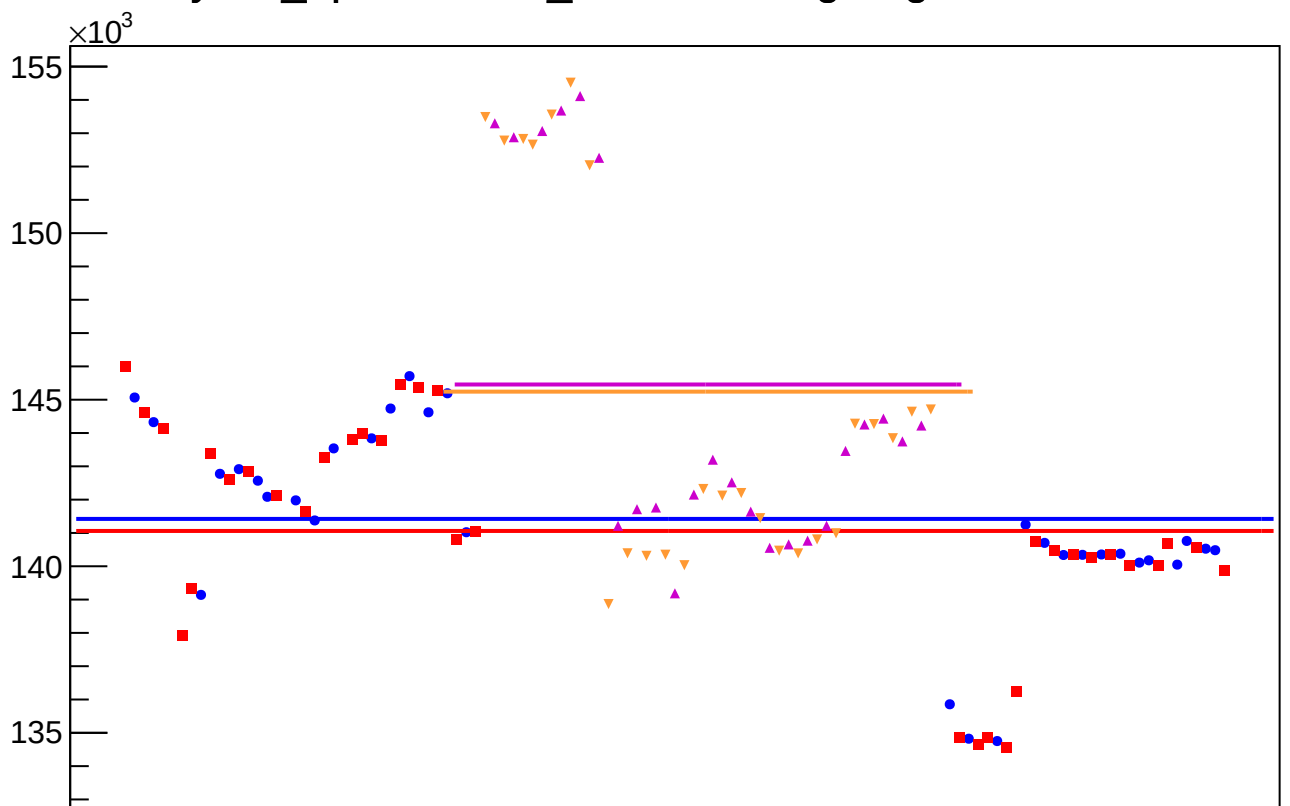
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 201.982+/-0.025 χ^2/NDF: 9740490.8/65

In: 209.698+/-0.025 χ^2/NDF:5323101.4/53

Out: 205.028+/-0.024 χ^2/NDF:5789978.8/59

All: 207.271+/-0.018 χ^2/NDF: 11130667.6/1



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: 141060.014+/-0.048 χ^2/NDF: 4438629169.5/34

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

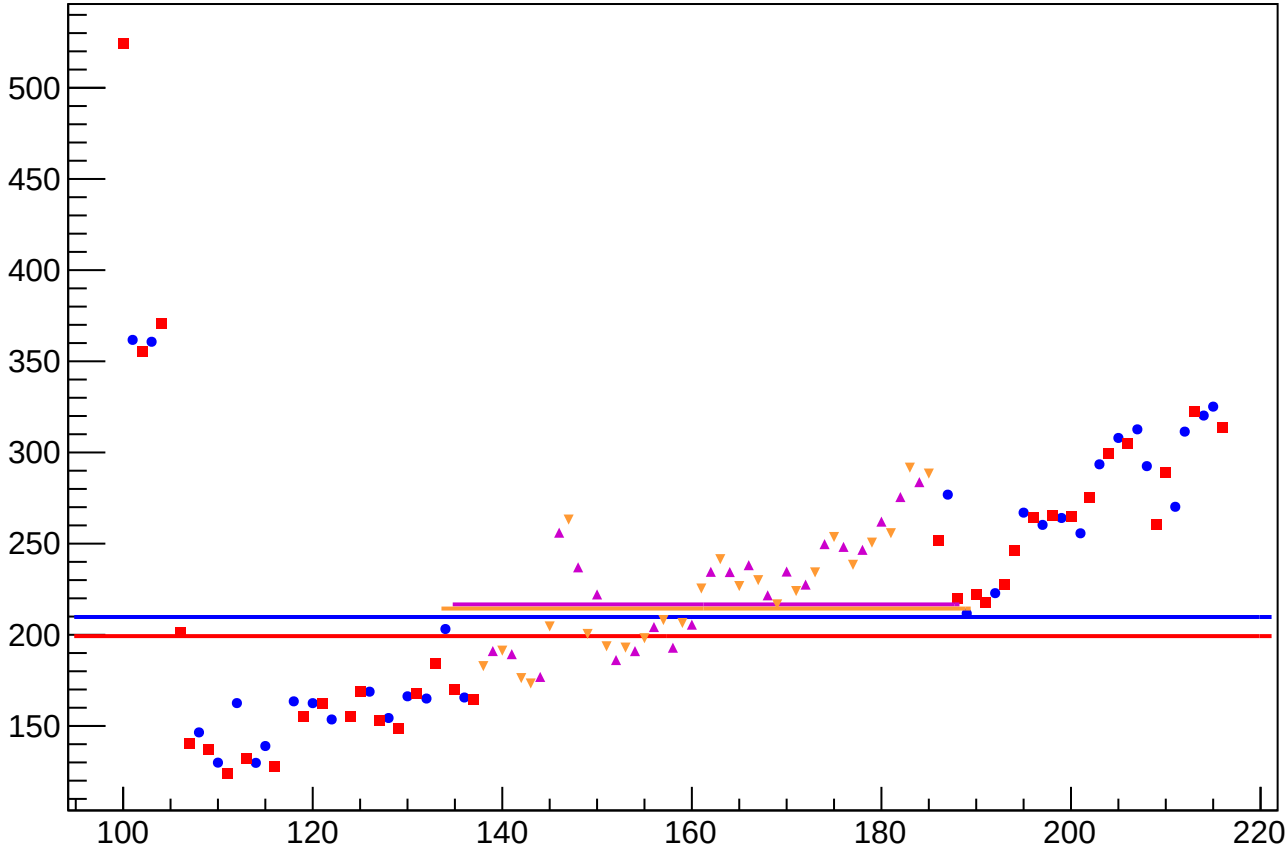
Right: 141230.437+/-0.035 χ^2/NDF: 7309493627.4/

In: 143402.158+/-0.036 χ^2/NDF:17033160062.5/5

Out: 143074.137+/-0.034 χ^2/NDF:21154488300.8

All: 143230.243+/-0.025 χ^2/NDF: 38230832

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: 199.280+/-0.034 χ^2/NDF: 3659192.1/34

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

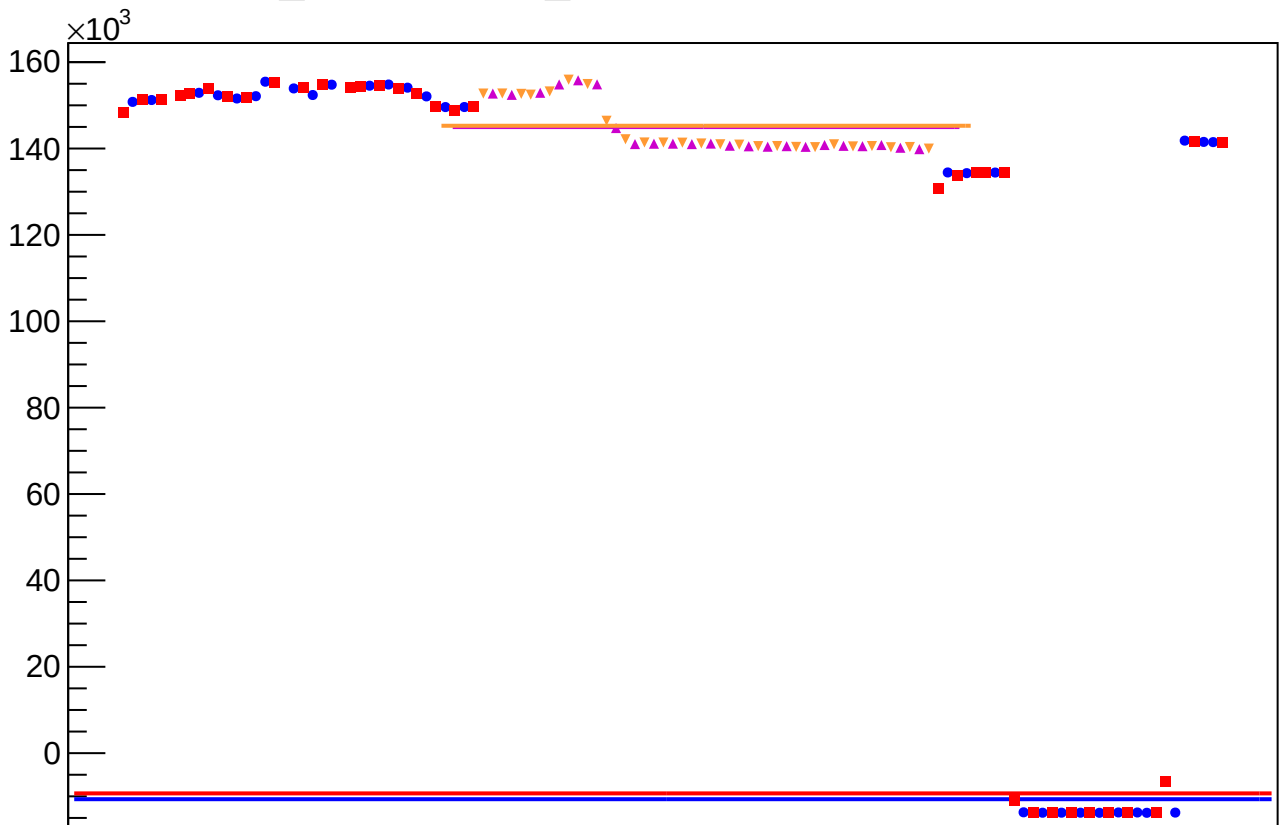
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 204.220+/-0.025 χ^2/NDF: 7070936.8/65

In: 213.143+/-0.026 χ^2/NDF:3971843.2/53

Out: 206.557+/-0.024 χ^2/NDF:4398738.1/59

All: 209.692+/-0.018 χ^2/NDF: 8405402.3/113



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: -9315.639+/-0.009 χ^2/NDF: 7518360012763.7/34

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

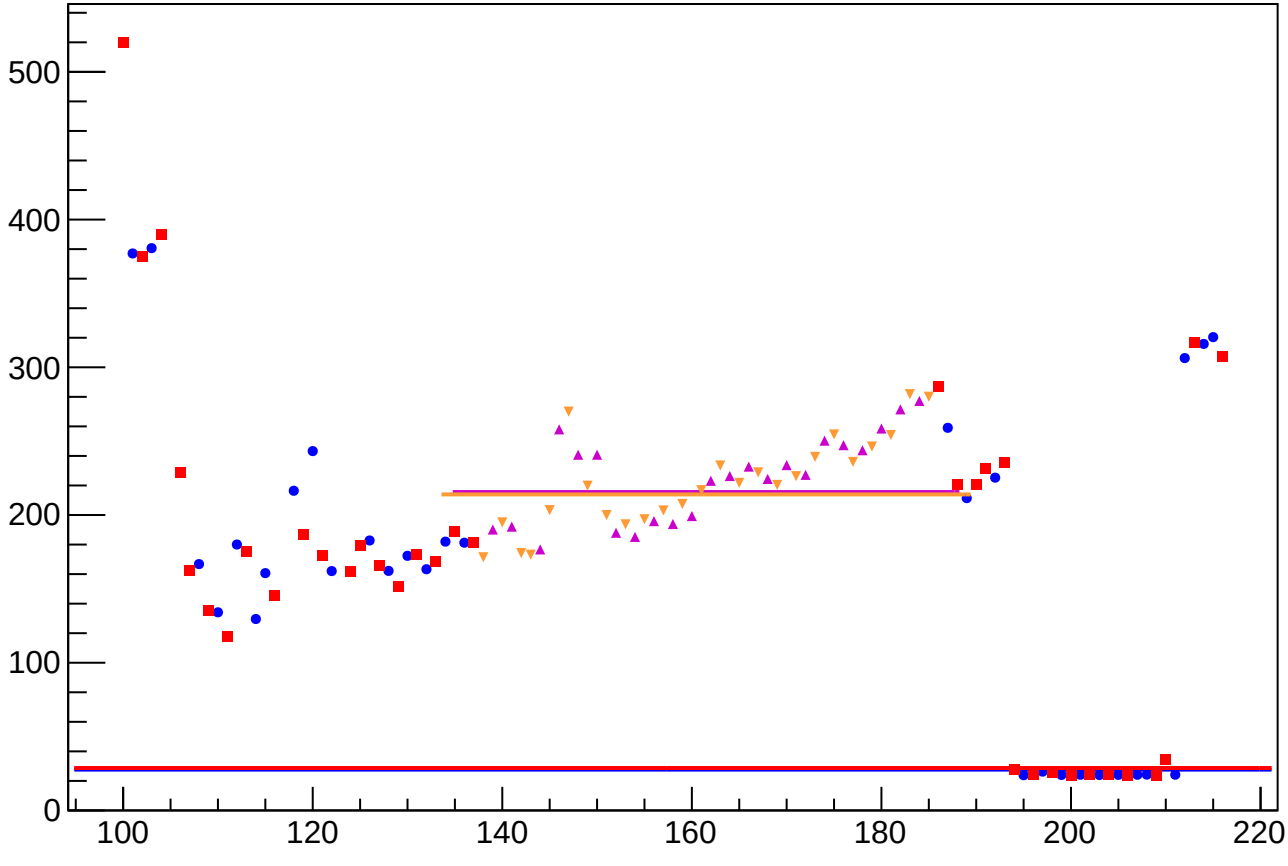
Right: -10035.796+/-0.006 χ^2/NDF: 140283657565

In: -6255.486+/-0.009 χ^2/NDF:15488275639285.

Out: -3934.825+/-0.009 χ^2/NDF:16988257588181

All: -5173.021+/-0.006 χ^2/NDF: 3251037764

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: 28.726+/-0.007 χ^2/NDF: 17160093.4/34

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

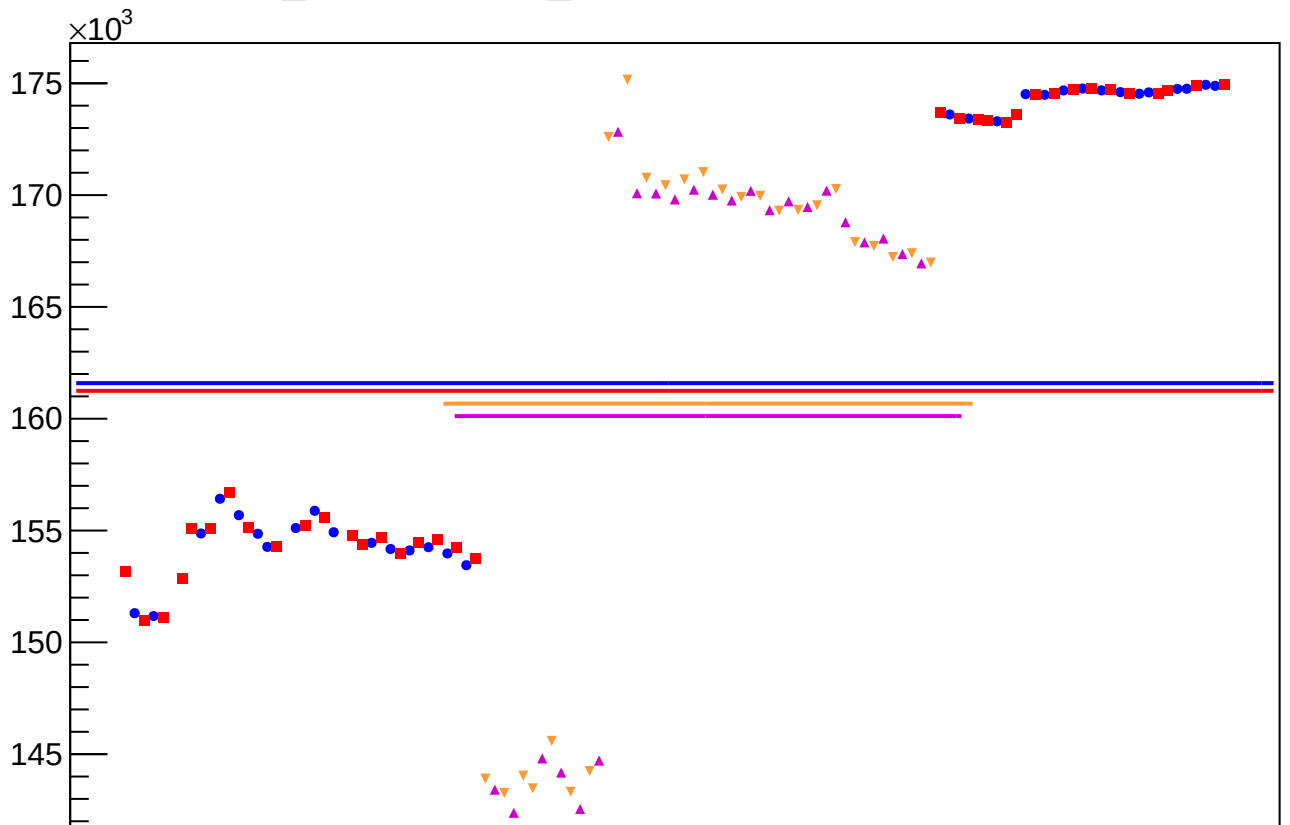
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.157+/-0.005 χ^2/NDF: 34242896.4/65

In: 32.981+/-0.006 χ^2/NDF:43832611.0/53

Out: 35.174+/-0.007 χ^2/NDF:44963057.6/59

All: 34.004+/-0.004 χ^2/NDF: 88856063.5/113



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: 161248.718+/-0.050 χ^2/NDF: 34019343690.6/34

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

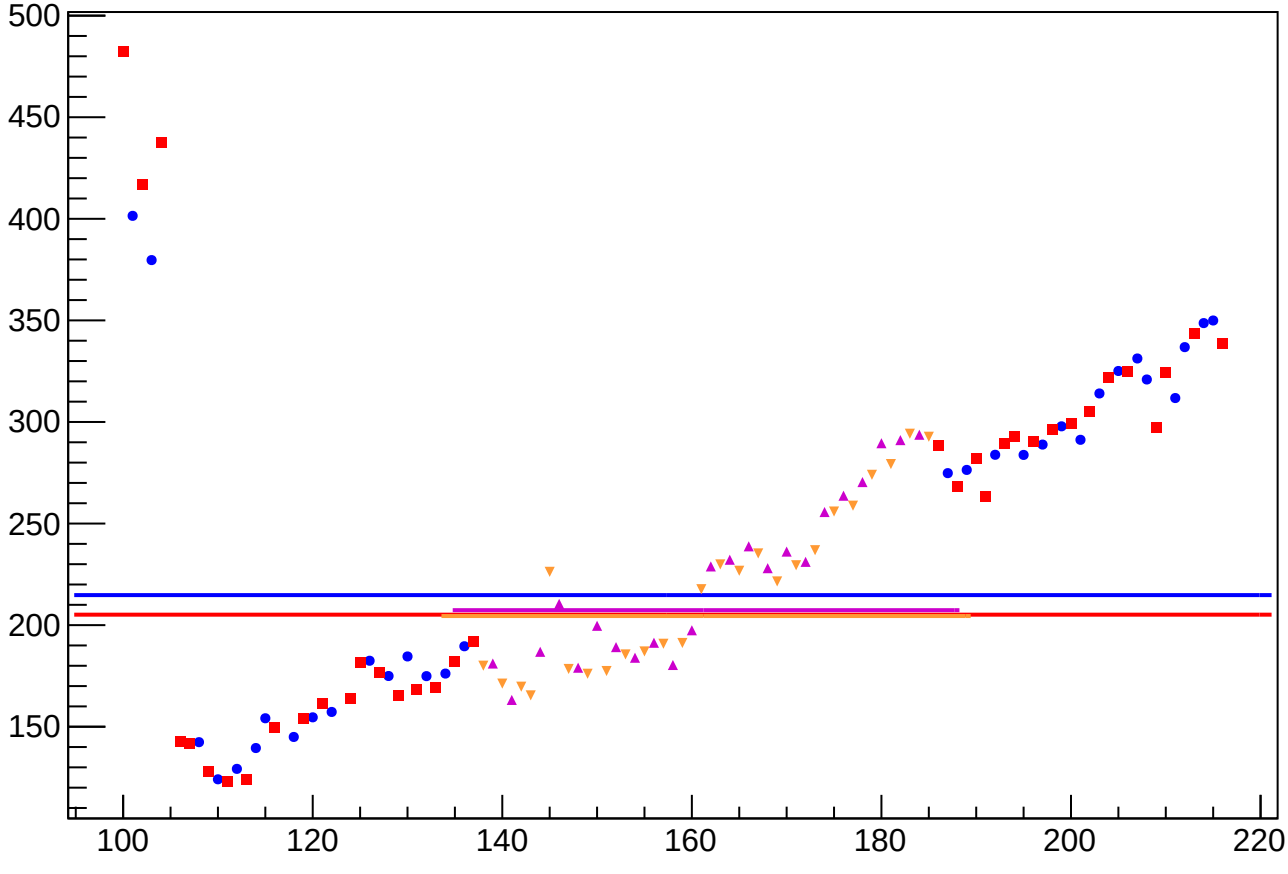
Right: 161410.797+/-0.036 χ^2/NDF: 66161648984.

In: 160807.350+/-0.036 χ^2/NDF:99089858078.3/5

Out: 160946.857+/-0.034 χ^2/NDF:108243988851.

All: 160880.380+/-0.025 χ^2/NDF: 20734169

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: 205.154+/-0.035 χ^2/NDF: 5084029.5/34

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

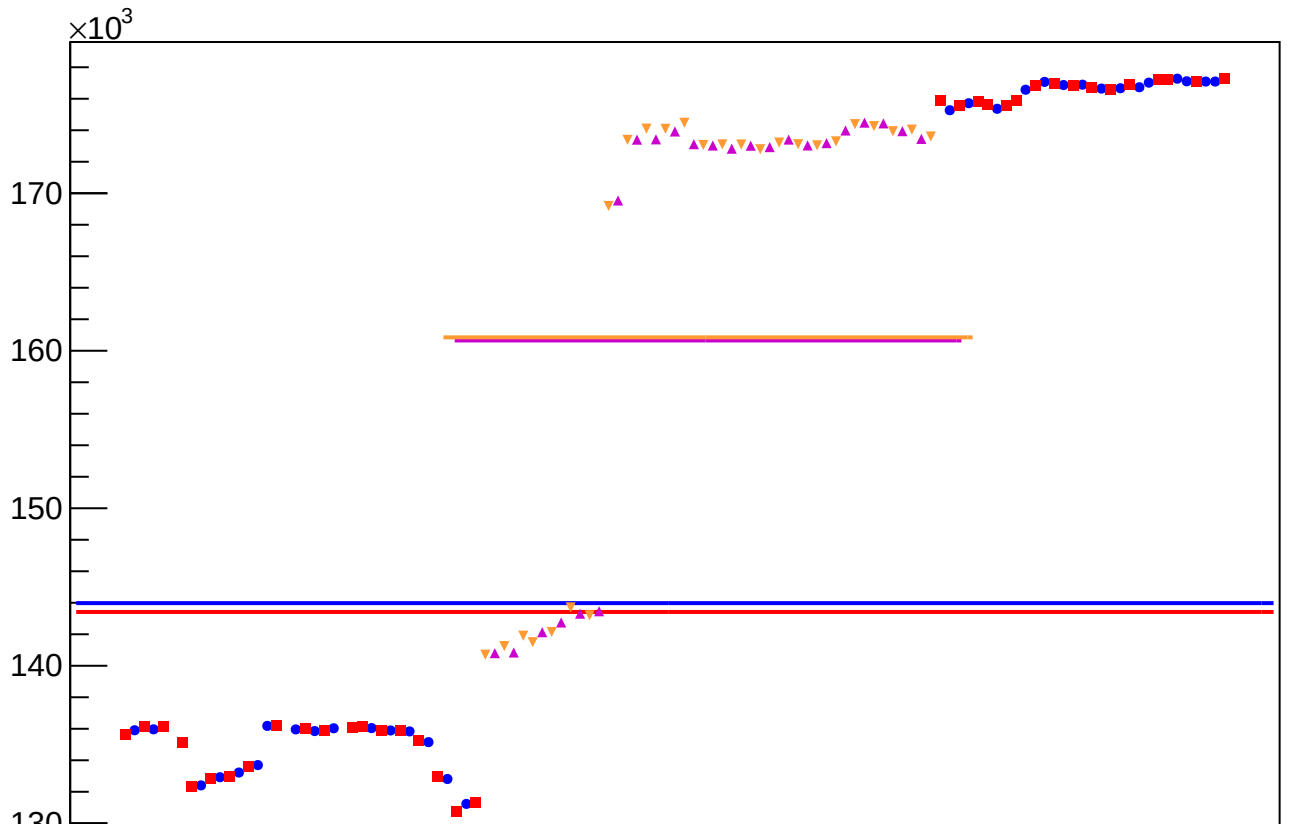
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 209.713+/-0.026 χ^2/NDF: 9698664.3/65

In: 210.840+/-0.025 χ^2/NDF:5557143.6/53

Out: 204.797+/-0.024 χ^2/NDF:6157422.3/59

All: 207.677+/-0.018 χ^2/NDF: 11744027.8/11



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: 143416.699+/-0.042 χ^2/NDF: 170903822910.6/34

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

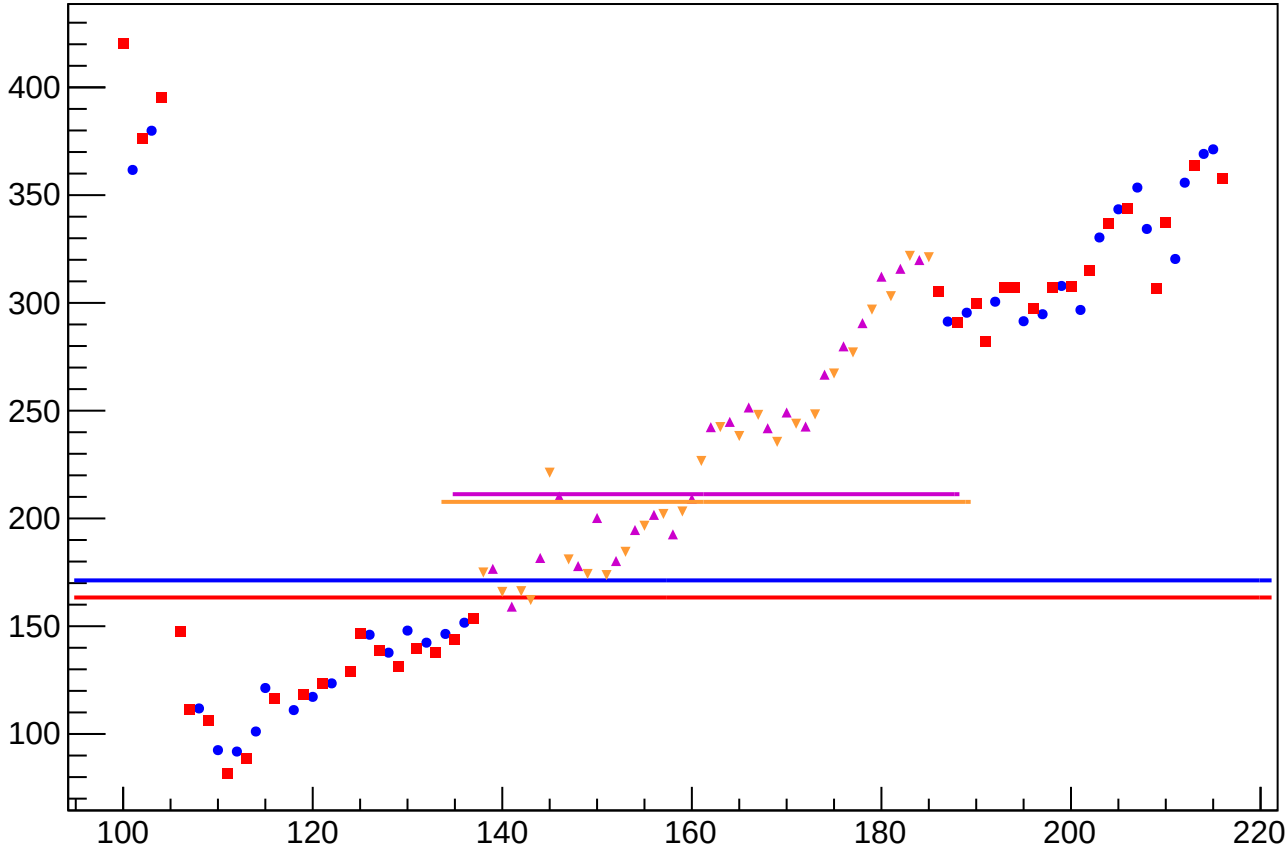
Right: 143682.933+/-0.031 χ^2/NDF: 33137817862

In: 151273.855+/-0.033 χ^2/NDF:311622807084.0

Out: 150987.679+/-0.032 χ^2/NDF:343425248375.

All: 151123.944+/-0.023 χ^2/NDF: 655086342

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: 163.330+/-0.030 χ^2/NDF: 8991504.4/34

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

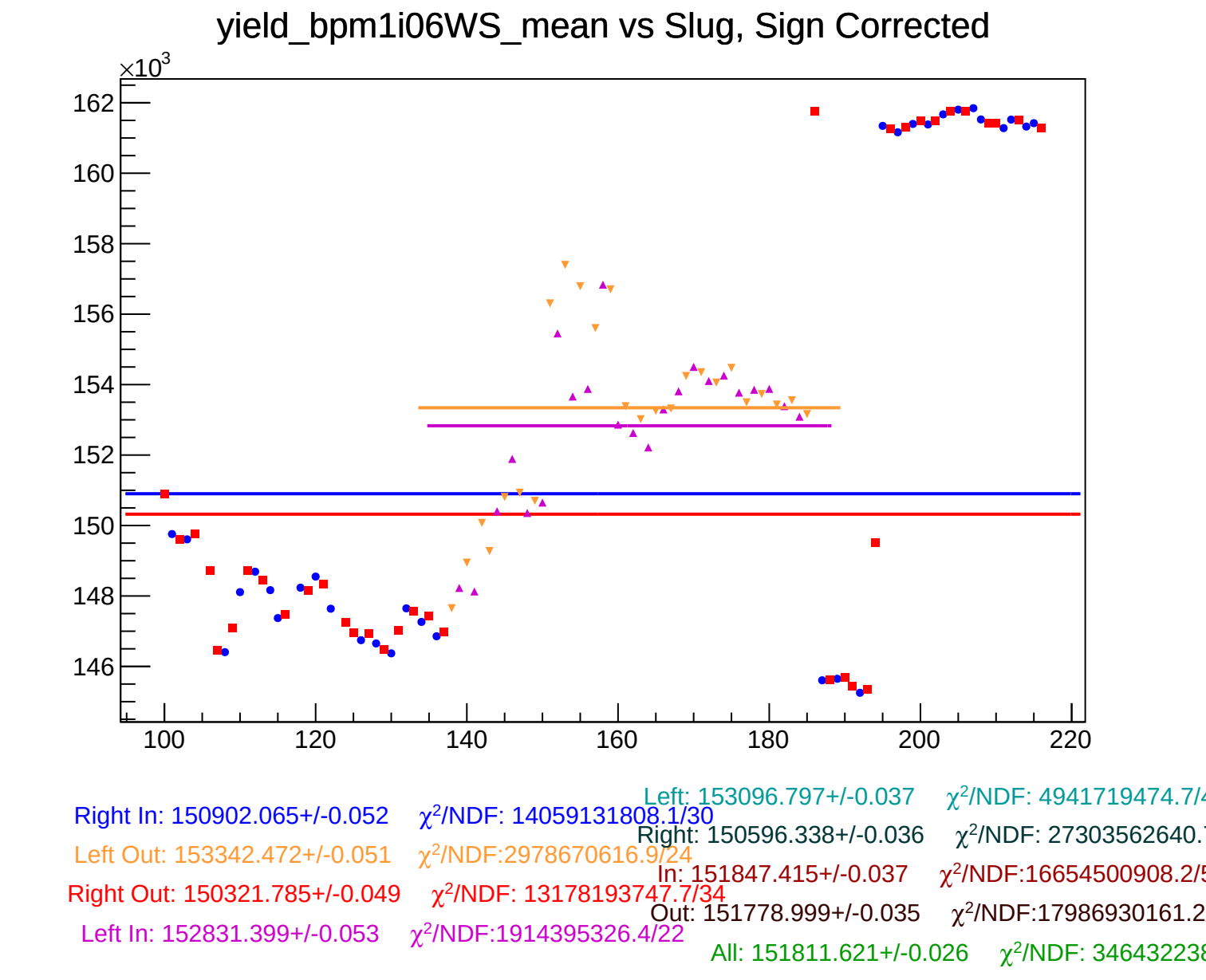
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 167.096+/-0.022 χ^2/NDF: 17437989.5/65

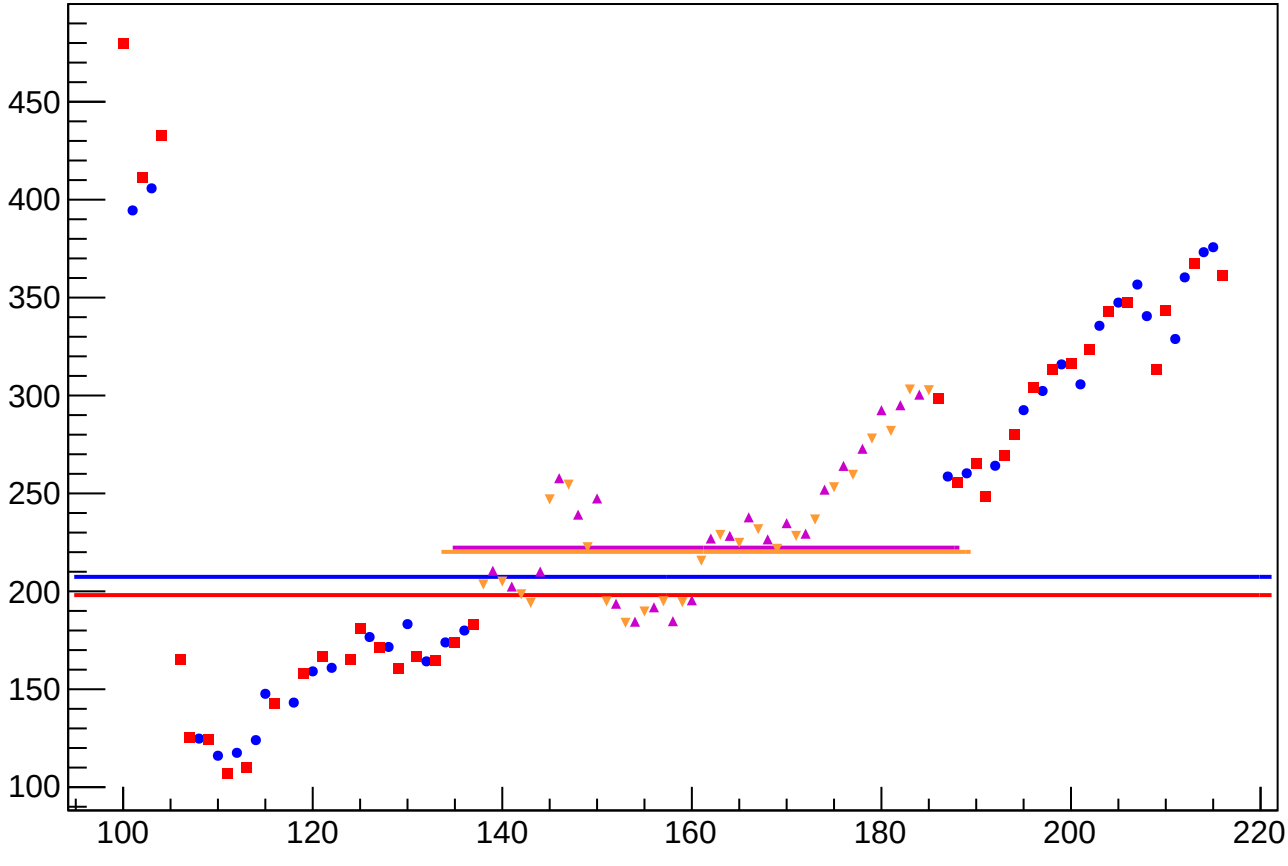
In: 188.760+/-0.024 χ^2/NDF:10421541.0/53

Out: 182.593+/-0.023 χ^2/NDF:11441493.3/59

All: 185.530+/-0.016 χ^2/NDF: 21898591.0/11


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
200
220
Right In: 150902.065+/-0.052 χ²/NDF: 14059131808.1/30
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 150321.785+/-0.049 χ²/NDF: 13178193747.7/34
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
Left: 153096.797+/-0.037 χ²/NDF: 4941719474.7/4
Right: 150596.338+/-0.036 χ²/NDF: 27303562640.
In: 151847.415+/-0.037 χ²/NDF:16654500908.2/5
Out: 151778.999+/-0.035 χ²/NDF:17986930161.2
All: 151811.621+/-0.026 χ²/NDF: 34643238

yield_bpm1i06WS_rms vs Slug, Sign Corrected



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: 198.076+/-0.035 χ^2/NDF: 6105931.0/34

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

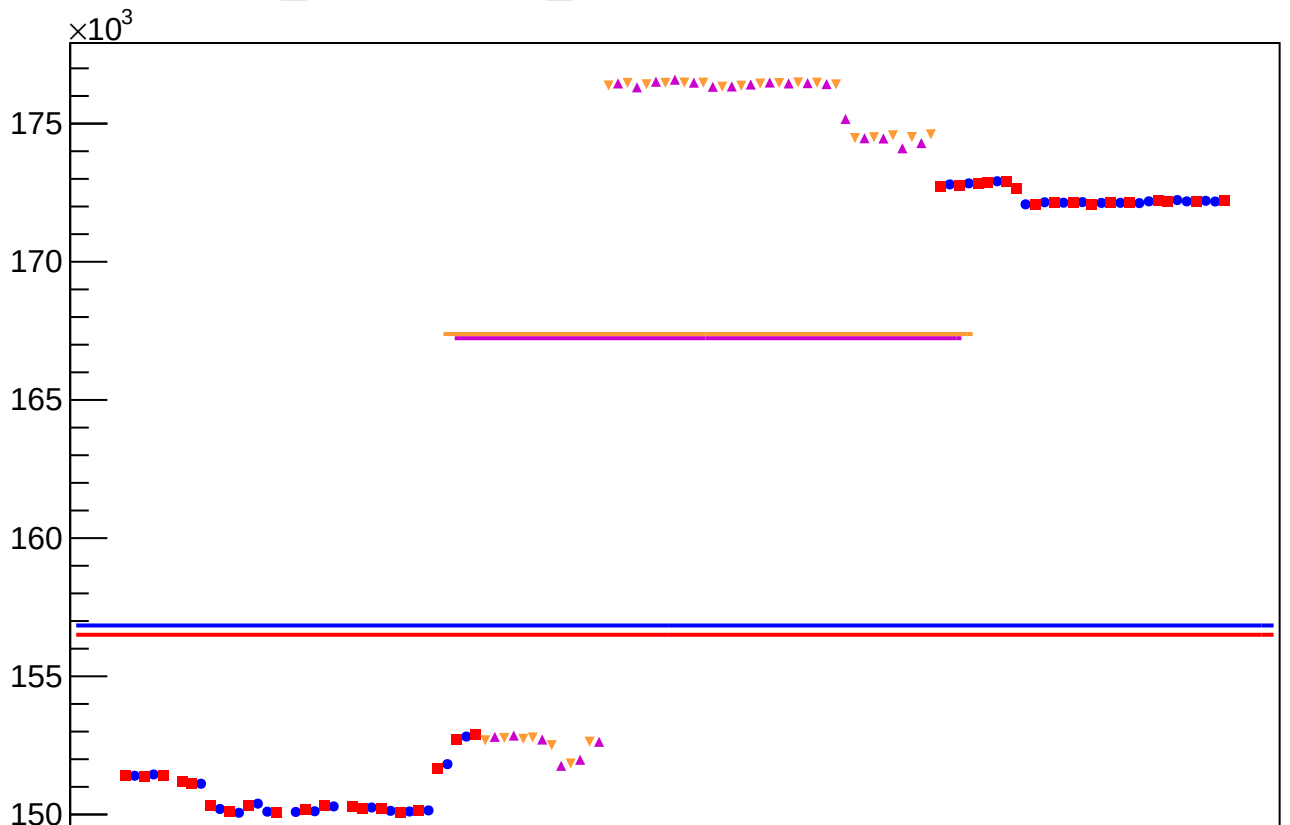
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 202.486+/-0.025 χ^2/NDF: 11891038.3/65

In: 214.701+/-0.026 χ^2/NDF:6529855.0/53

Out: 208.728+/-0.025 χ^2/NDF:6987076.2/59

All: 211.576+/-0.018 χ^2/NDF: 13544264.1/11



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: 156502.924+/-0.043 χ^2/NDF: 50037963120.6/34

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

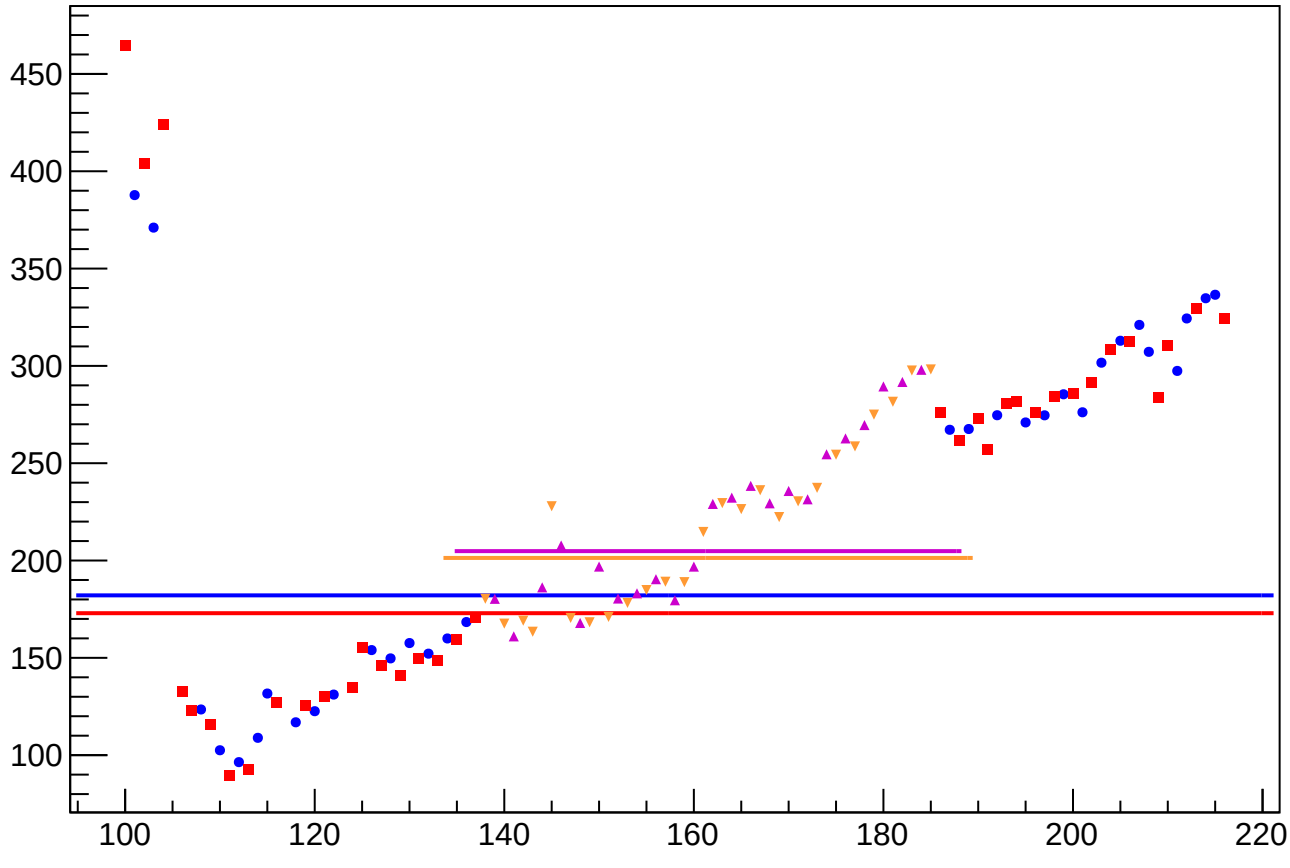
Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

Right: 156661.712+/-0.032 χ^2/NDF: 95960227626.

In: 161728.636+/-0.034 χ^2/NDF:124954649113.8

Out: 161552.663+/-0.032 χ^2/NDF:138705671585.

All: 161636.124+/-0.023 χ^2/NDF: 26367481



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: 172.939+/-0.031 χ^2/NDF: 7142526.9/34

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

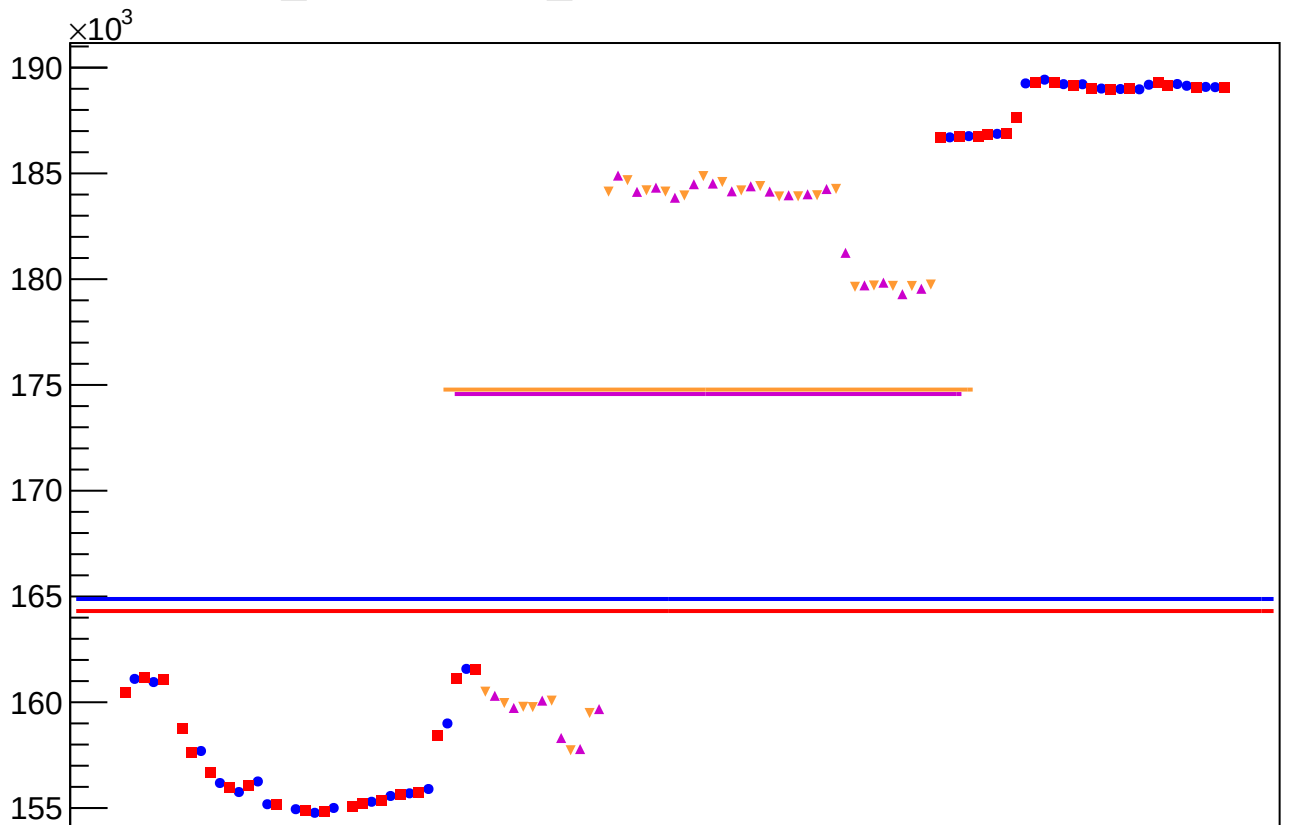
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 177.257+/-0.022 χ^2/NDF: 13702346.9/65

In: 192.789+/-0.024 χ^2/NDF:7800186.1/53

Out: 186.112+/-0.023 χ^2/NDF:8768789.0/59

All: 189.279+/-0.016 χ^2/NDF: 16610698.7/1



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: 164311.713+/-0.046 χ^2/NDF: 90114091113.8/34

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

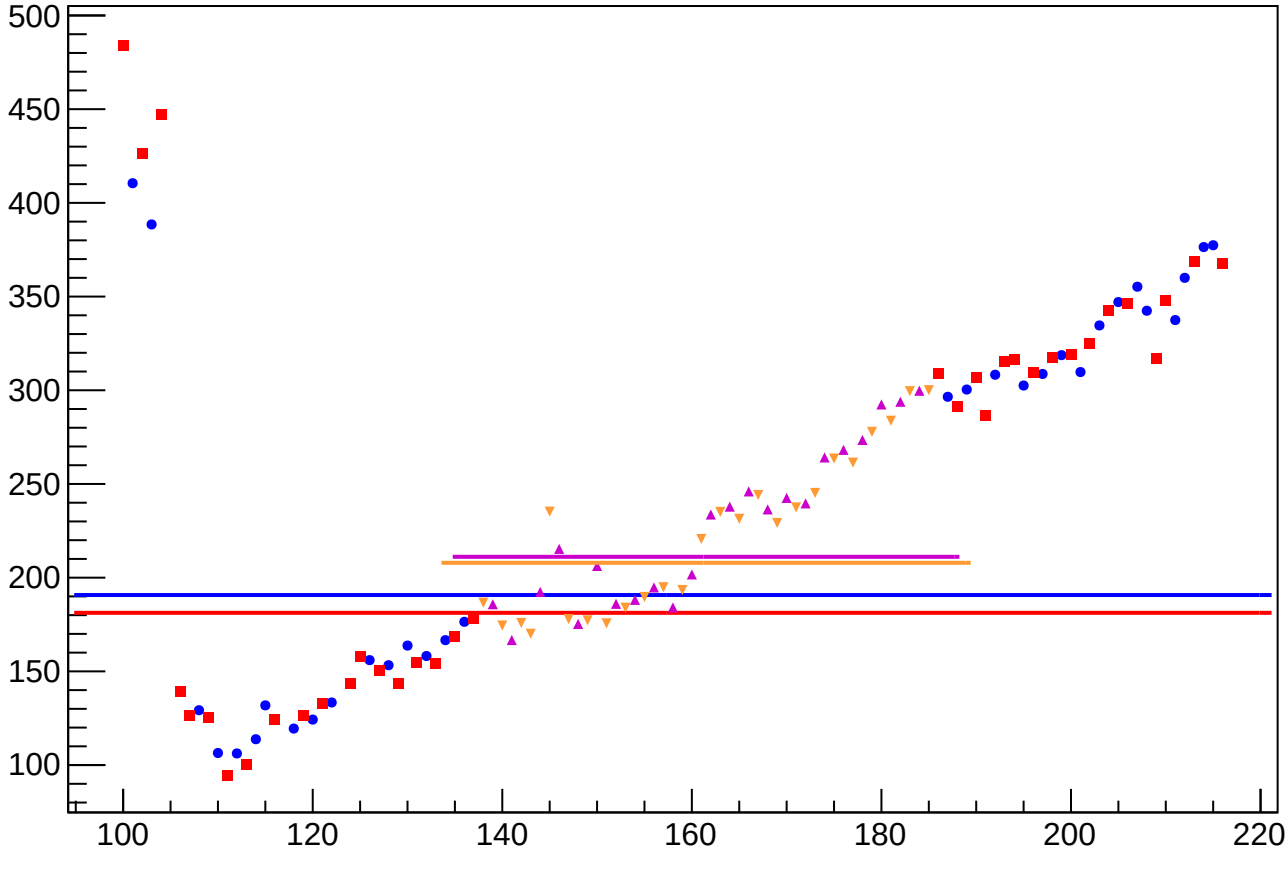
Right: 164580.533+/-0.034 χ^2/NDF: 17563441523

In: 169582.513+/-0.035 χ^2/NDF:159276945543.6

Out: 169317.089+/-0.033 χ^2/NDF:172860658637.

All: 169443.096+/-0.024 χ^2/NDF: 3321677

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: 181.239+/-0.033 χ^2/NDF: 7925240.0/34

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

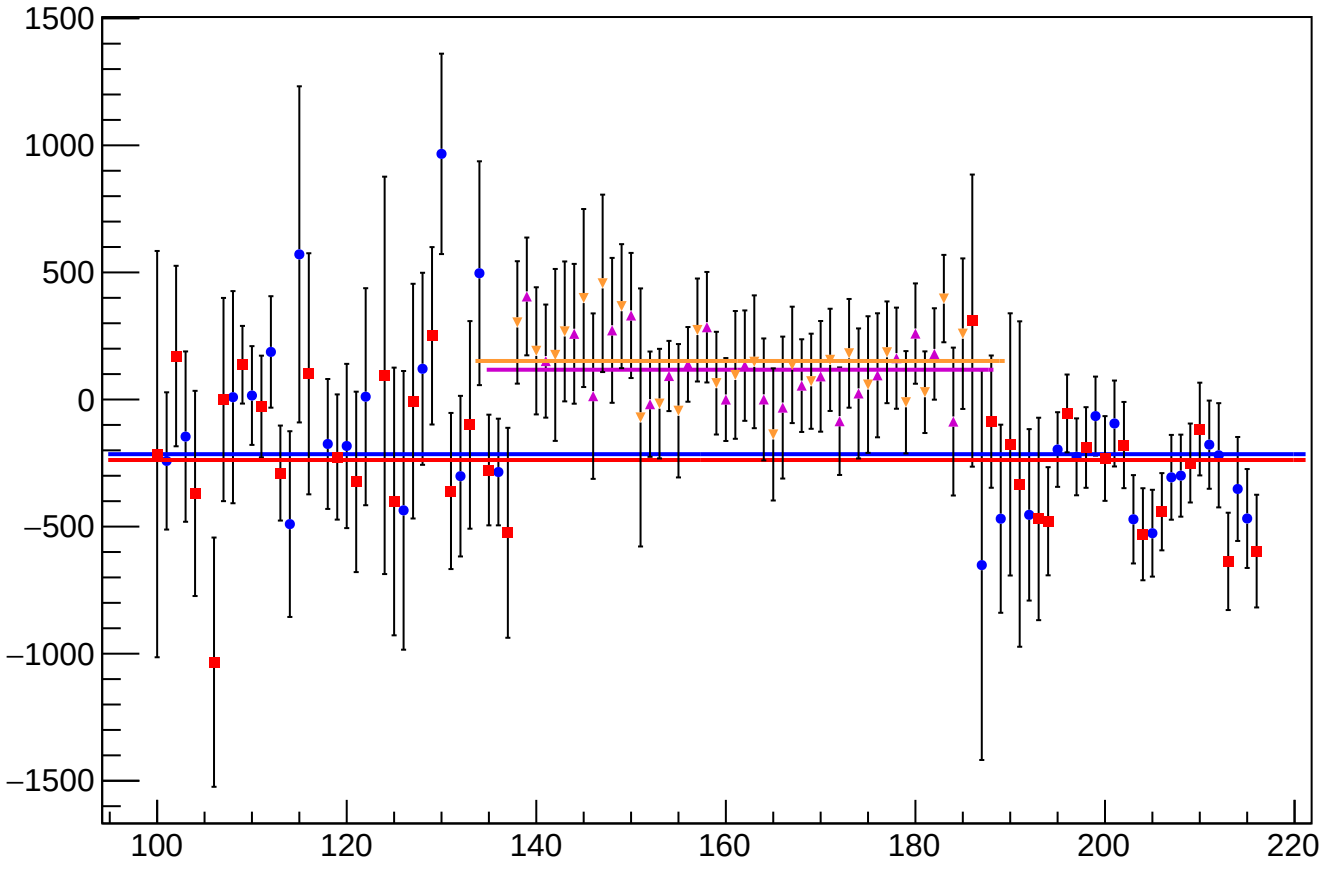
Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

Right: 185.718+/-0.024 χ^2/NDF: 15277851.6/65

In: 200.636+/-0.025 χ^2/NDF:8475315.3/53

Out: 194.005+/-0.024 χ^2/NDF:9377592.0/59

All: 197.153+/-0.017 χ^2/NDF: 17890480.8/11



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: -237.984+/-40.434 χ^2/NDF: 31.8/34

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

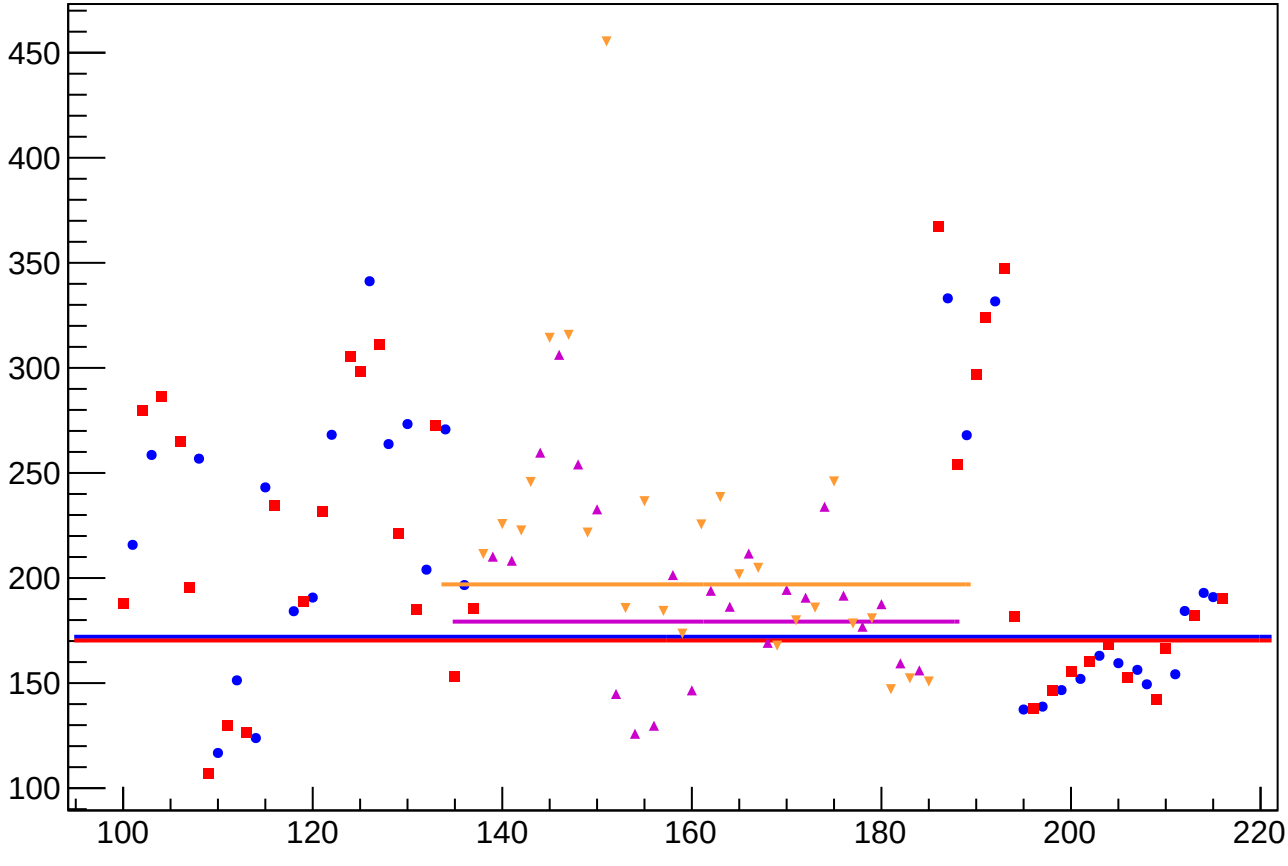
Right: -226.598+/-28.684 χ^2/NDF: 63.1/65

In: -61.049+/-29.807 χ^2/NDF:69.5/53

Out: -69.911+/-30.489 χ^2/NDF:81.5/59

All: -65.380+/-21.314 χ^2/NDF: 151.0/113

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: 170.279+/-0.029 χ^2/NDF: 2989206.7/34

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

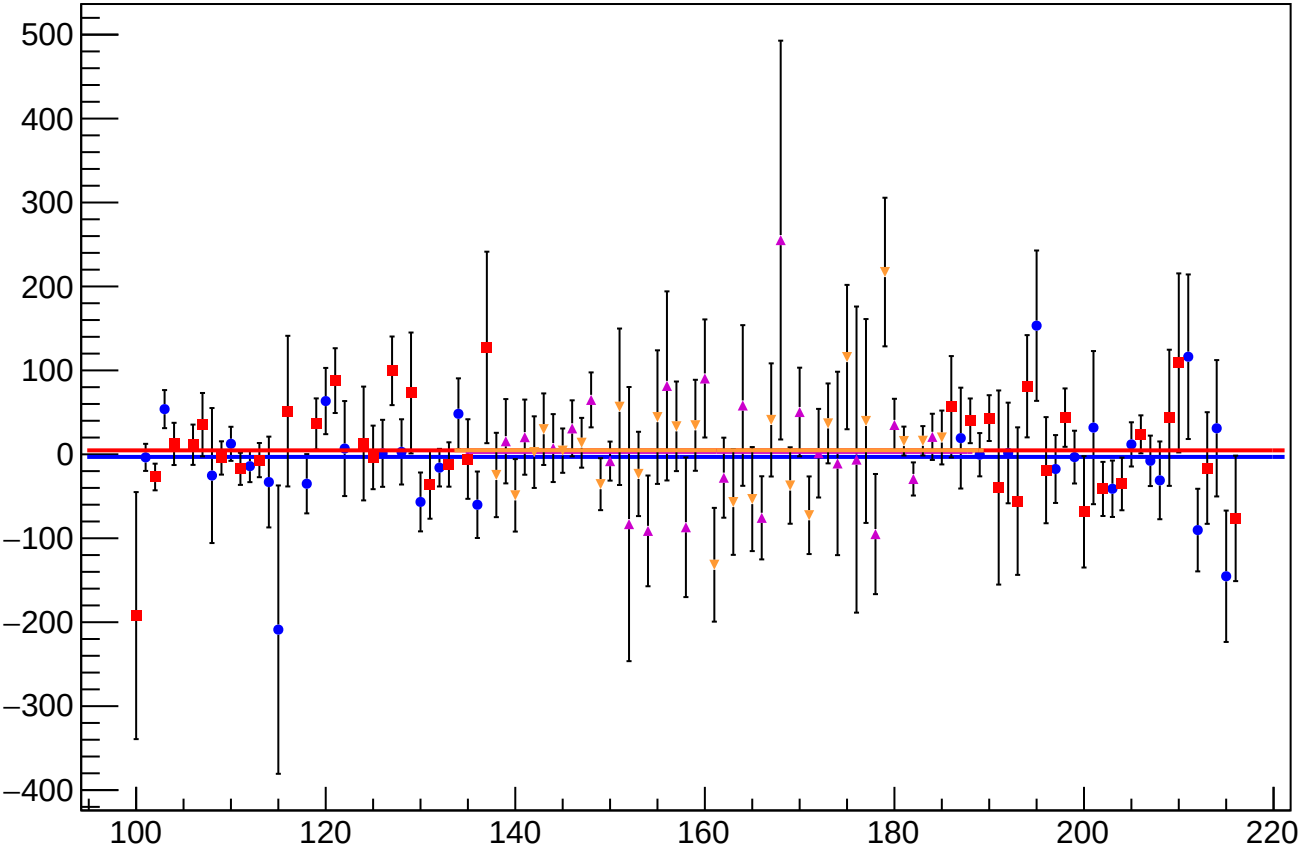
Right: 171.154+/-0.020 χ^2/NDF: 5299470.2/65

In: 175.386+/-0.021 χ^2/NDF:3993530.9/53

Out: 181.796+/-0.022 χ^2/NDF:5174651.4/59

All: 178.519+/-0.015 χ^2/NDF: 9213381.0/113

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: 4.734+/-5.659 χ^2/NDF: 39.5/34

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

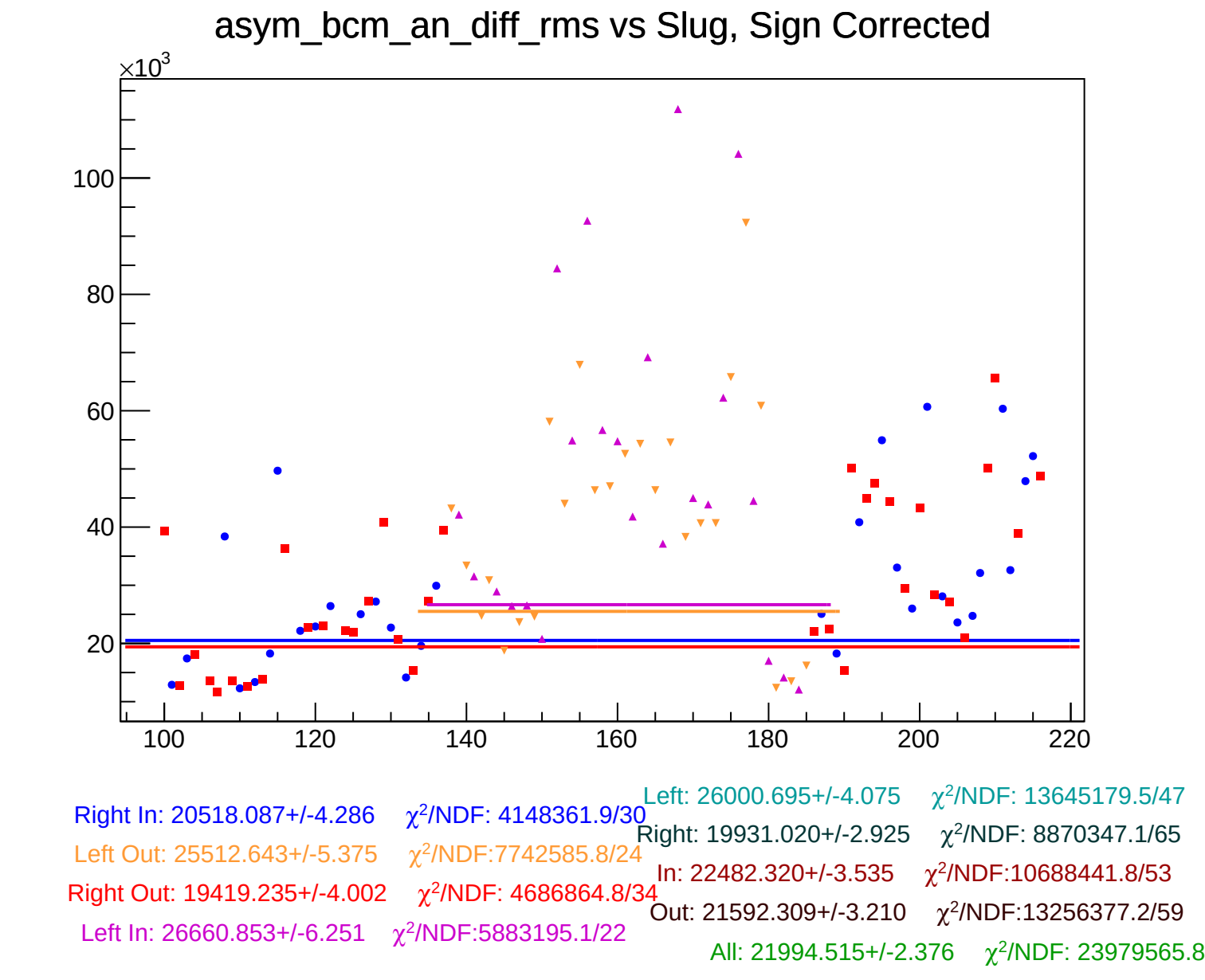
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

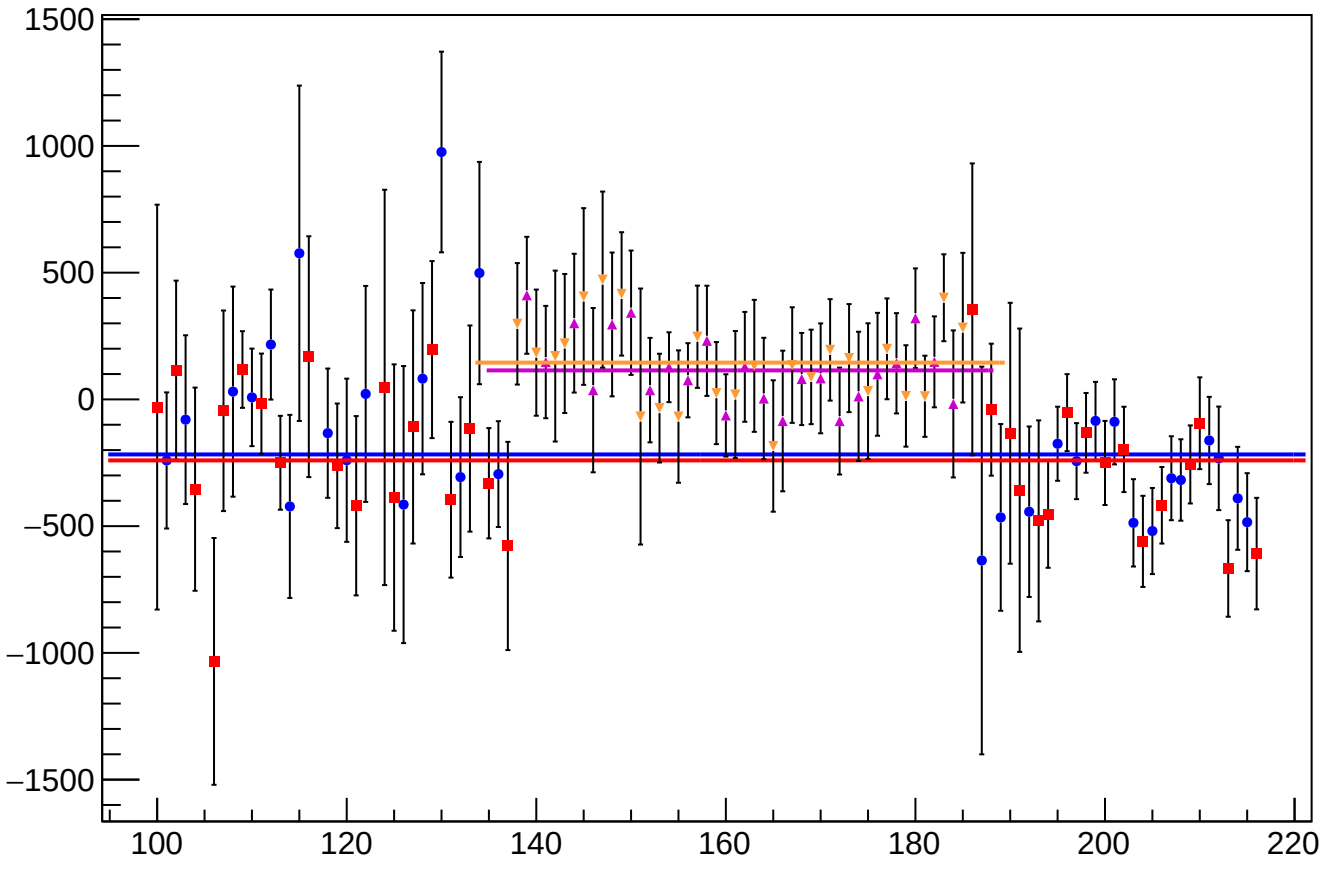
Right: 1.092+/-4.136 χ^2/NDF: 72.9/65

In: -1.166+/-4.999 χ^2/NDF:54.4/53

Out: 4.759+/-4.539 χ^2/NDF:63.8/59

All: 2.081+/-3.360 χ^2/NDF: 118.9/113


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
120
140
160
180
200
220
Right In: 20518.087+/-4.286 χ²/NDF: 4148361.9/30
Left Out: 25512.643+/-5.375 χ²/NDF:7742585.8/24
Right Out: 19419.235+/-4.002 χ²/NDF: 4686864.8/34
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 19931.020+/-2.925 χ²/NDF: 8870347.1/65
In: 22482.320+/-3.535 χ²/NDF:10688441.8/53
Out: 21592.309+/-3.210 χ²/NDF:13256377.2/59
All: 21994.515+/-2.376 χ²/NDF: 23979565.8



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: -240.625+/-40.177 χ^2/NDF: 33.2/34

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

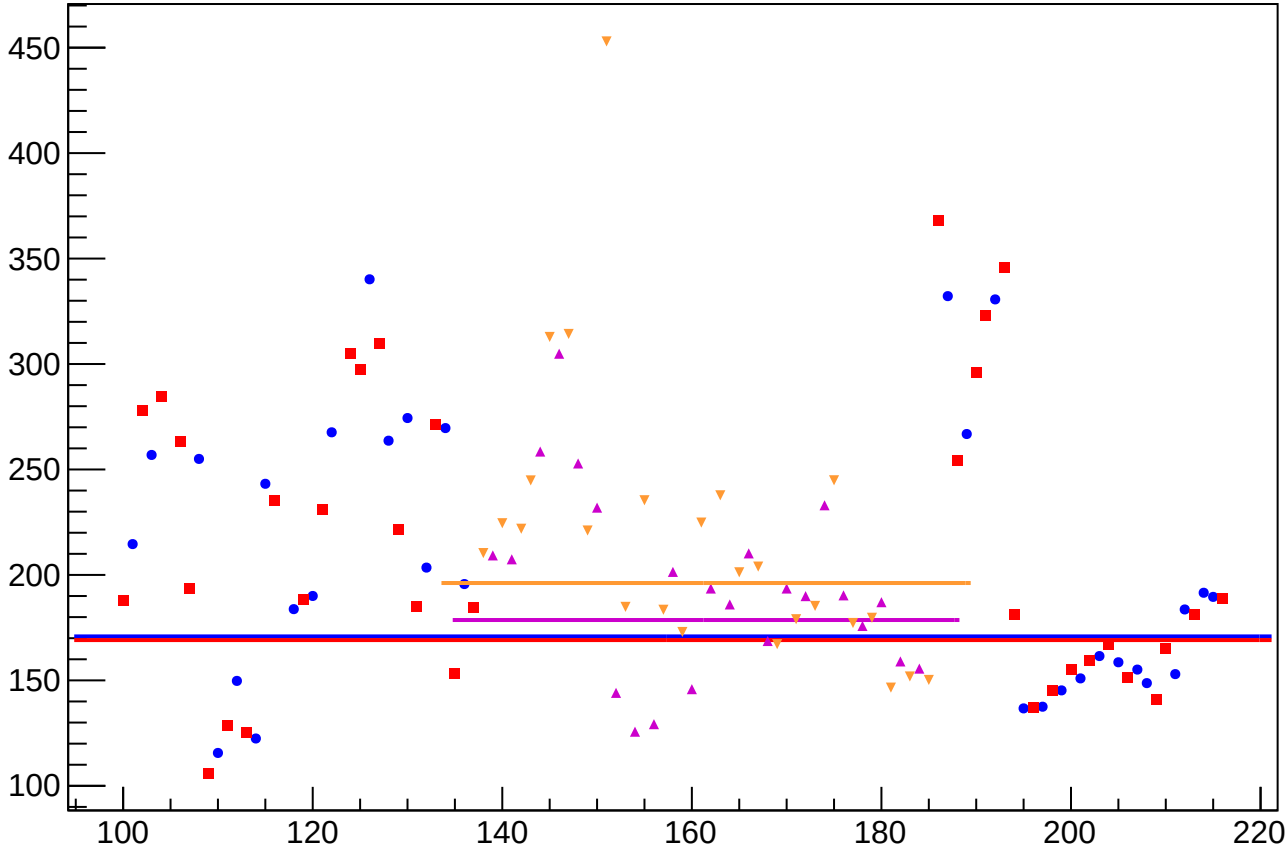
Right: -228.946+/-28.499 χ^2/NDF: 65.9/65

In: -63.919+/-29.652 χ^2/NDF:72.0/53

Out: -74.600+/-30.324 χ^2/NDF:84.1/59

All: -69.140+/-21.201 χ^2/NDF: 156.2/113

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: 169.109+/-0.028 χ^2/NDF: 3027677.5/34

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

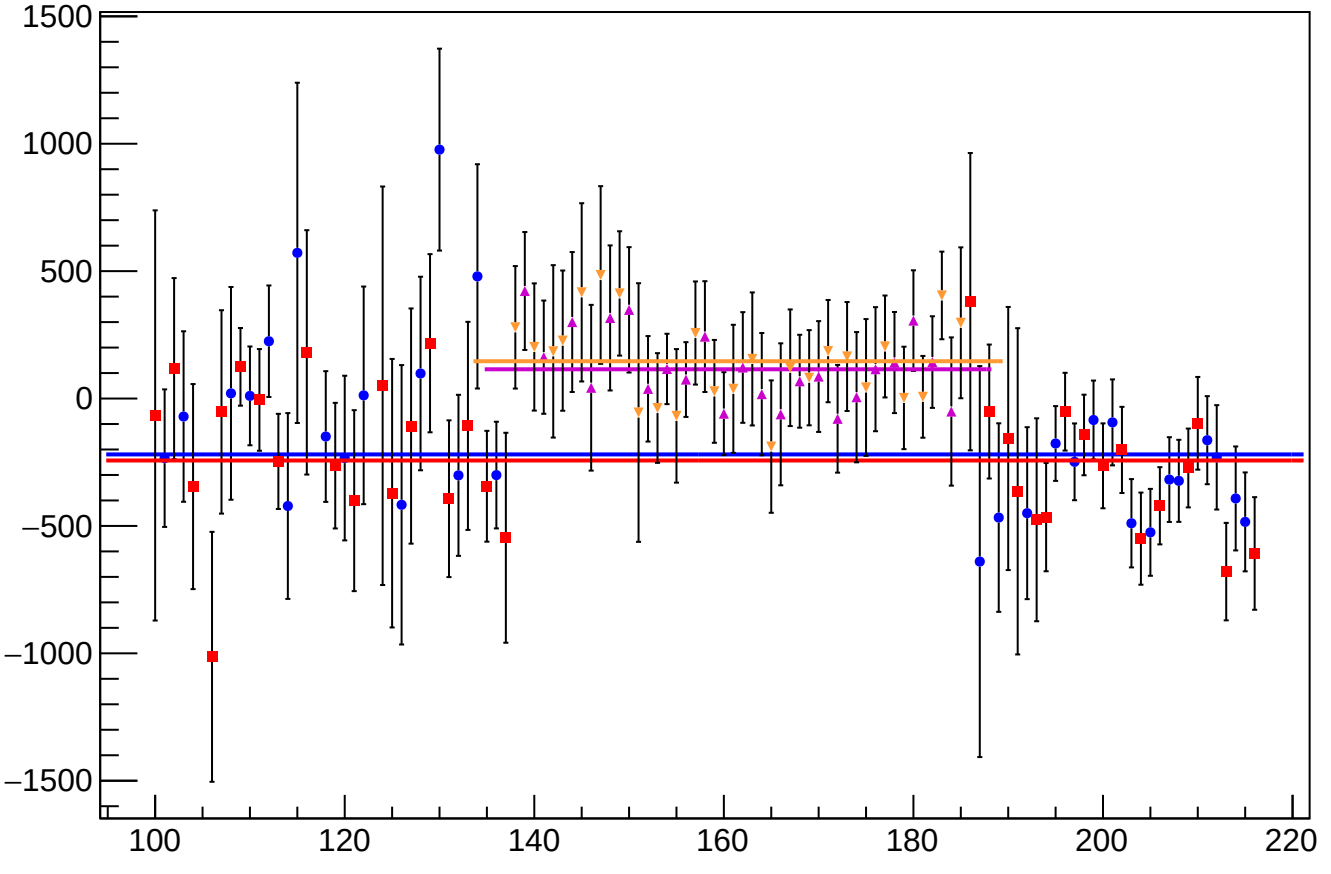
Right: 169.971+/-0.020 χ^2/NDF: 5368002.9/65

In: 174.438+/-0.021 χ^2/NDF:4024542.1/53

Out: 180.753+/-0.021 χ^2/NDF:5224871.6/59

All: 177.524+/-0.015 χ^2/NDF: 9293752.7/113

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: -243.153+/-40.379 χ^2/NDF: 33.3/34

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

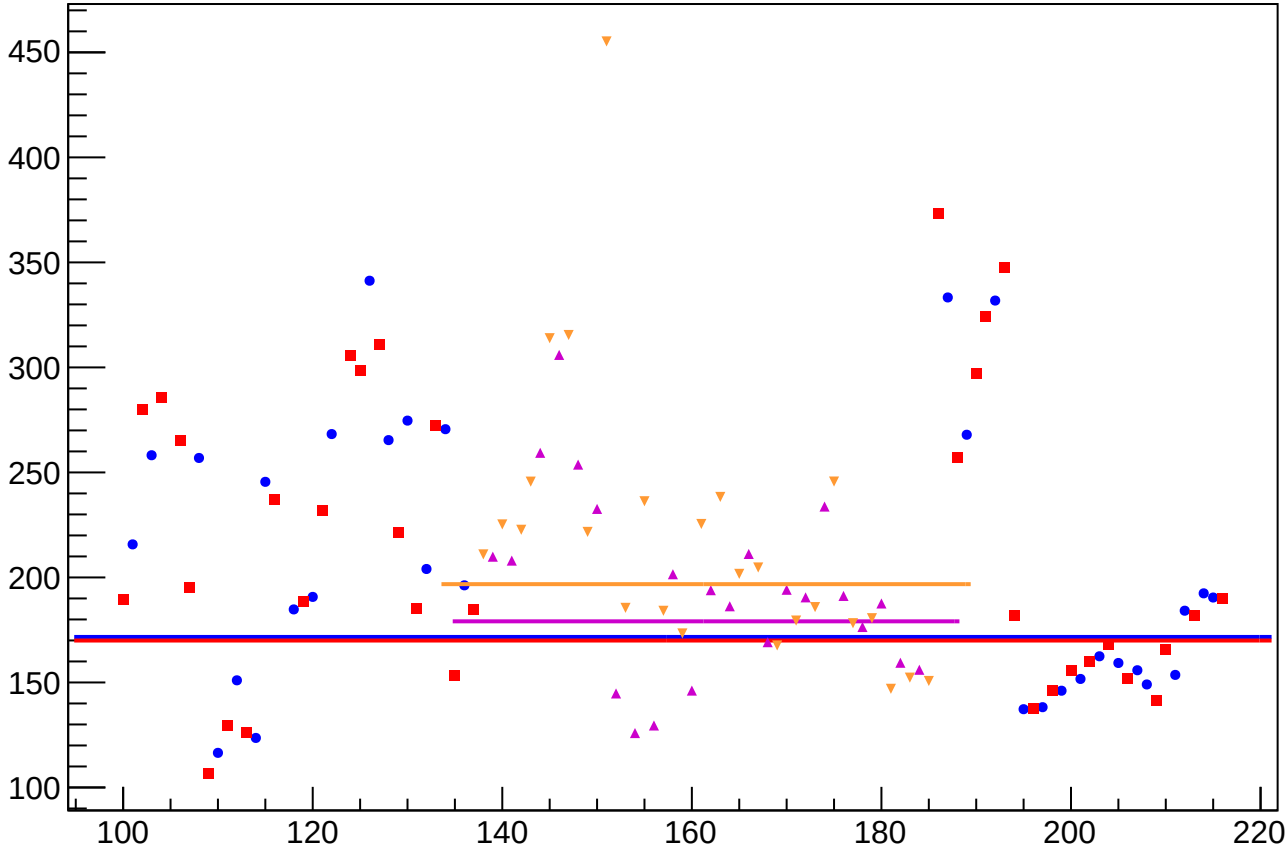
Right: -231.309+/-28.638 χ^2/NDF: 66.0/65

In: -64.593+/-29.765 χ^2/NDF:72.3/53

Out: -75.178+/-30.454 χ^2/NDF:84.8/59

All: -69.765+/-21.287 χ^2/NDF: 157.2/113

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: 169.964+/-0.029 χ^2/NDF: 3024963.4/34

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

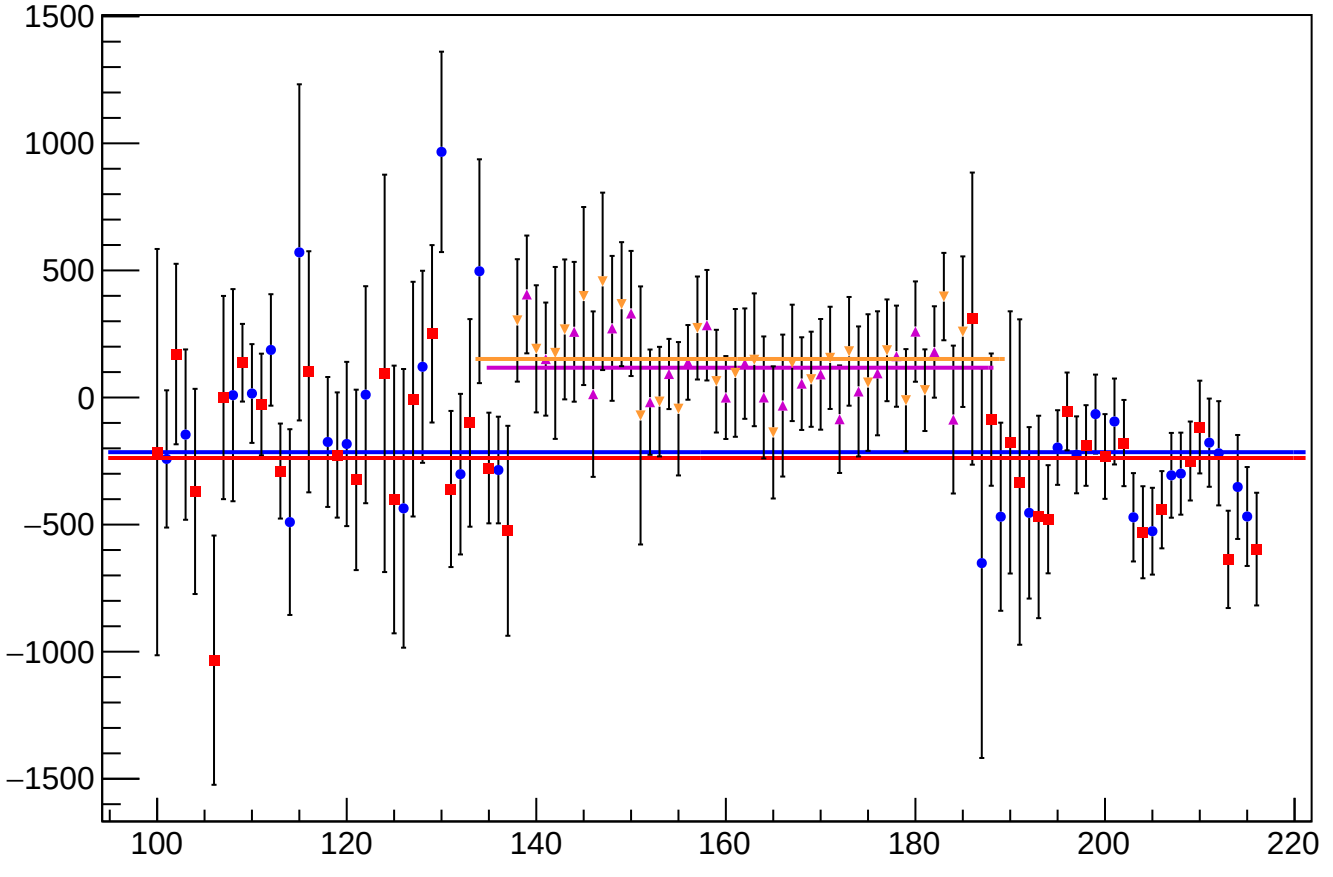
Right: 170.811+/-0.020 χ^2/NDF: 5357123.9/65

In: 175.110+/-0.021 χ^2/NDF:4017257.0/53

Out: 181.537+/-0.022 χ^2/NDF:5214615.0/59

All: 178.250+/-0.015 χ^2/NDF: 9277428.6/113

asym_bcm_an_us_mean vs Slug, Sign Corrected



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: -237.984+/-40.434 χ^2/NDF: 31.8/34

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

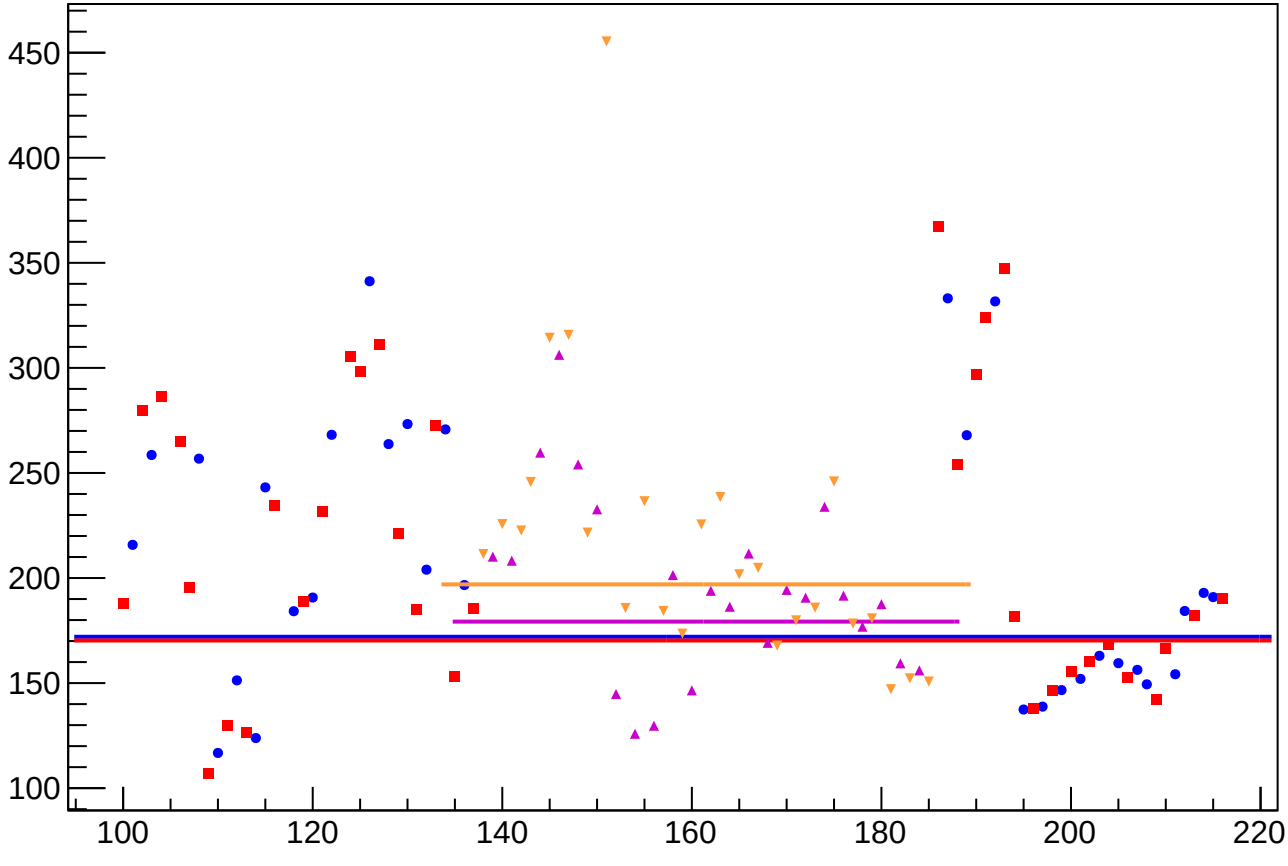
Right: -226.598+/-28.684 χ^2/NDF: 63.1/65

In: -61.049+/-29.807 χ^2/NDF:69.5/53

Out: -69.911+/-30.489 χ^2/NDF:81.5/59

All: -65.380+/-21.314 χ^2/NDF: 151.0/113

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: 170.279+/-0.029 χ^2/NDF: 2989206.7/34

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

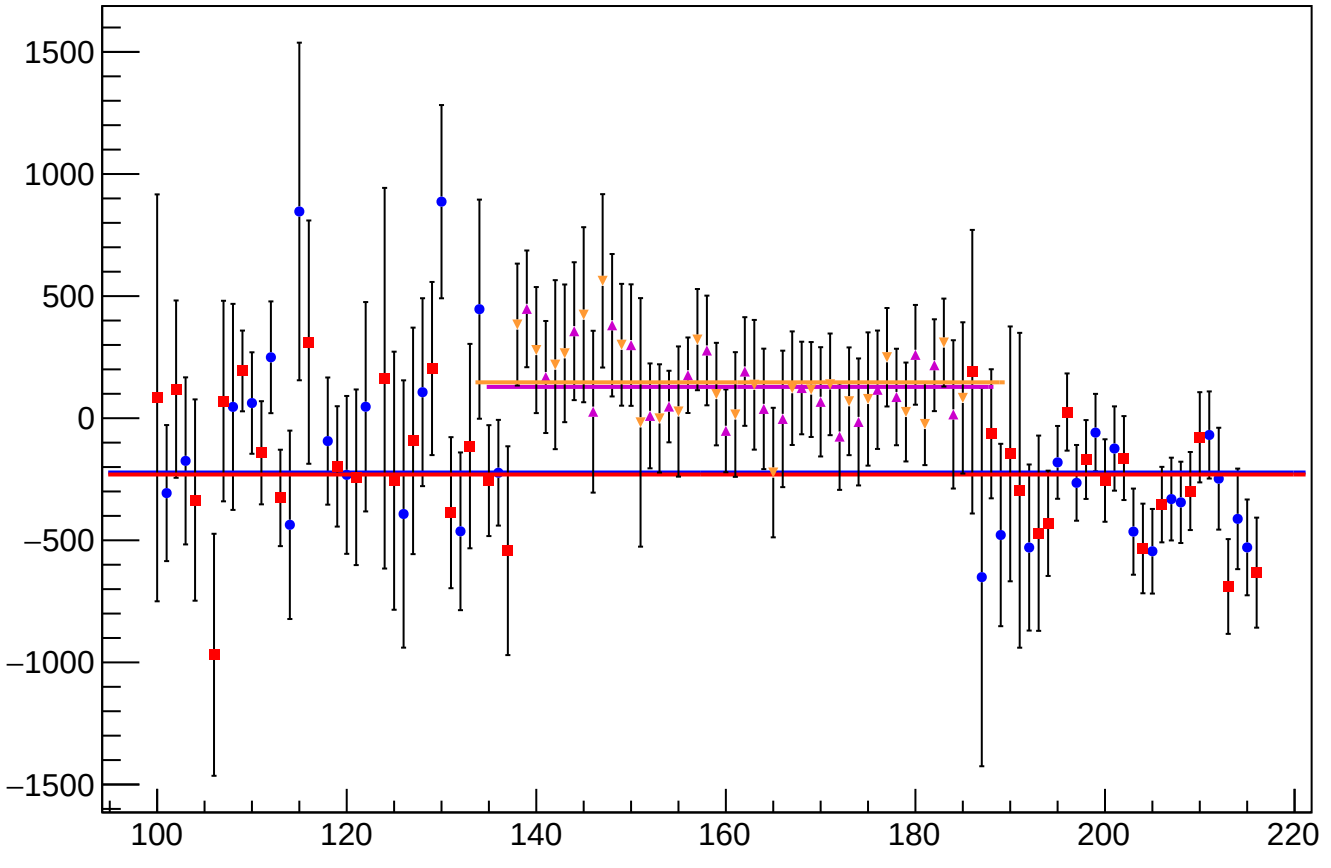
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 171.154+/-0.020 χ^2/NDF: 5299470.2/65

In: 175.386+/-0.021 χ^2/NDF:3993530.9/53

Out: 181.796+/-0.022 χ^2/NDF:5174651.4/59

All: 178.519+/-0.015 χ^2/NDF: 9213381.0/113



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: -230.508+/-41.475 χ^2/NDF: 32.9/34

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

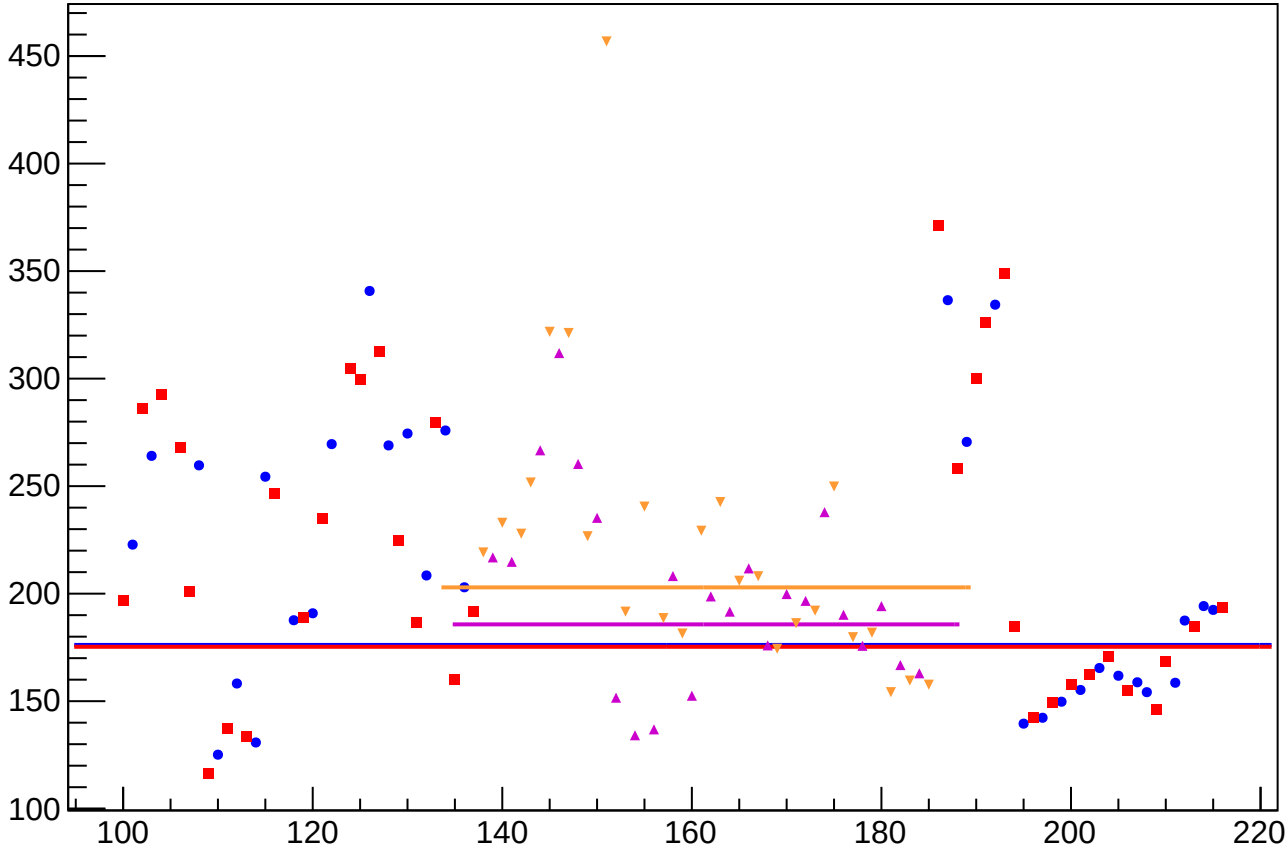
Right: -226.447+/-29.371 χ^2/NDF: 67.9/65

In: -61.619+/-30.609 χ^2/NDF:76.0/53

Out: -68.024+/-31.301 χ^2/NDF:78.8/59

All: -64.750+/-21.884 χ^2/NDF: 154.8/113

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: 175.298+/-0.029 χ^2/NDF: 2777696.7/34

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

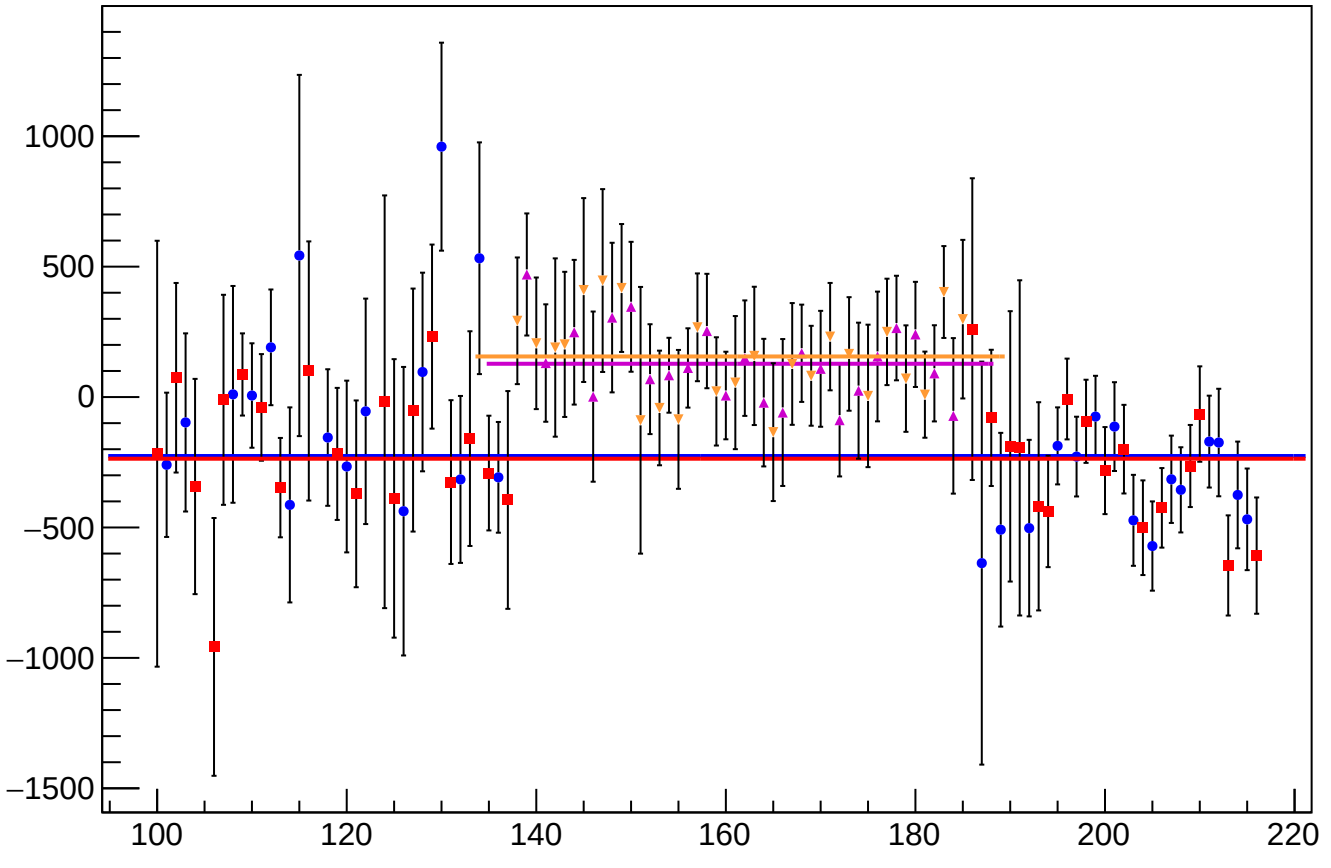
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 175.726+/-0.021 χ^2/NDF: 4982625.1/65

In: 180.541+/-0.022 χ^2/NDF:3742410.4/53

Out: 187.188+/-0.022 χ^2/NDF:4859671.1/59

All: 183.790+/-0.015 χ^2/NDF: 8648182.1/113



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: -236.387+/-40.855 χ^2/NDF: 28.9/34

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

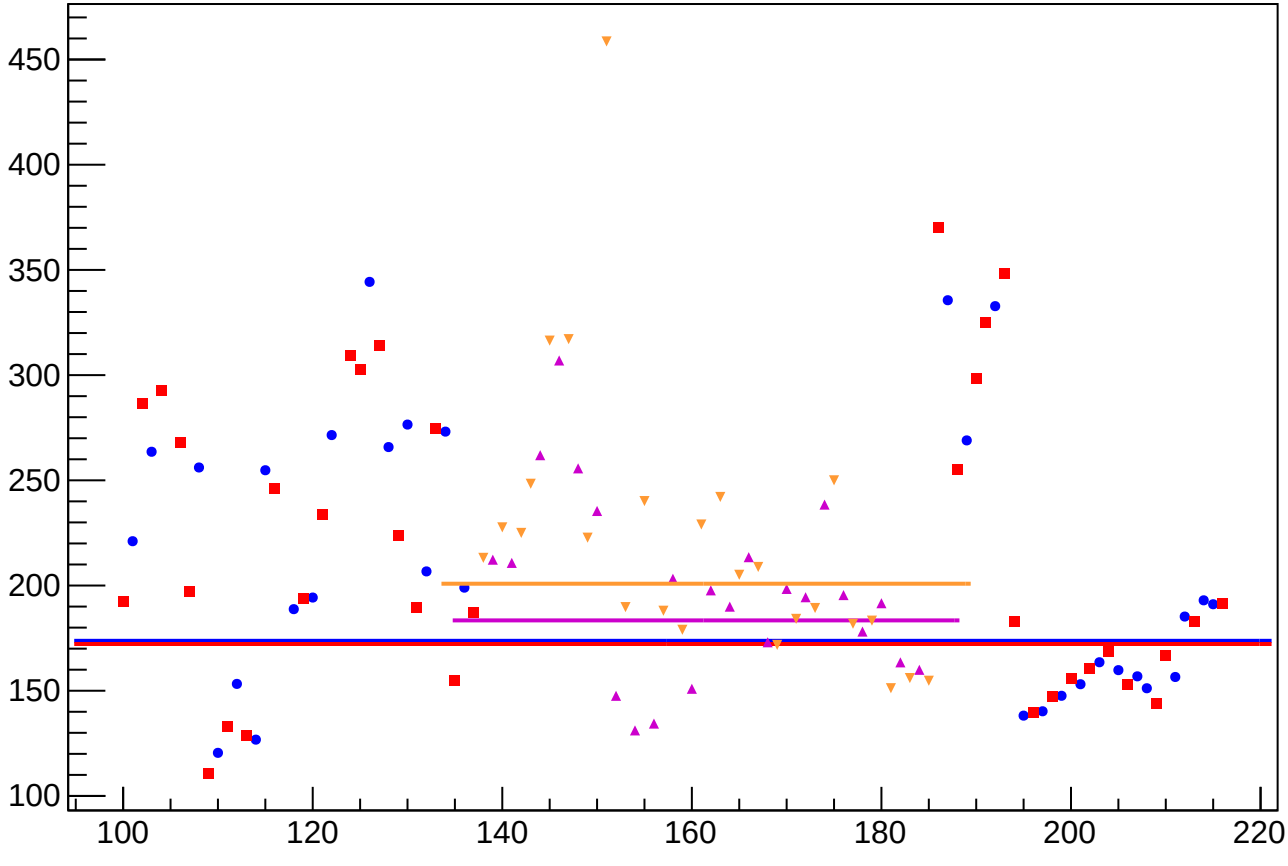
Right: -231.257+/-28.969 χ^2/NDF: 61.1/65

In: -64.093+/-30.247 χ^2/NDF:74.1/53

Out: -68.729+/-30.908 χ^2/NDF:79.0/59

All: -66.361+/-21.618 χ^2/NDF: 153.0/113

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: 172.219+/-0.029 χ^2/NDF: 2949048.8/34

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

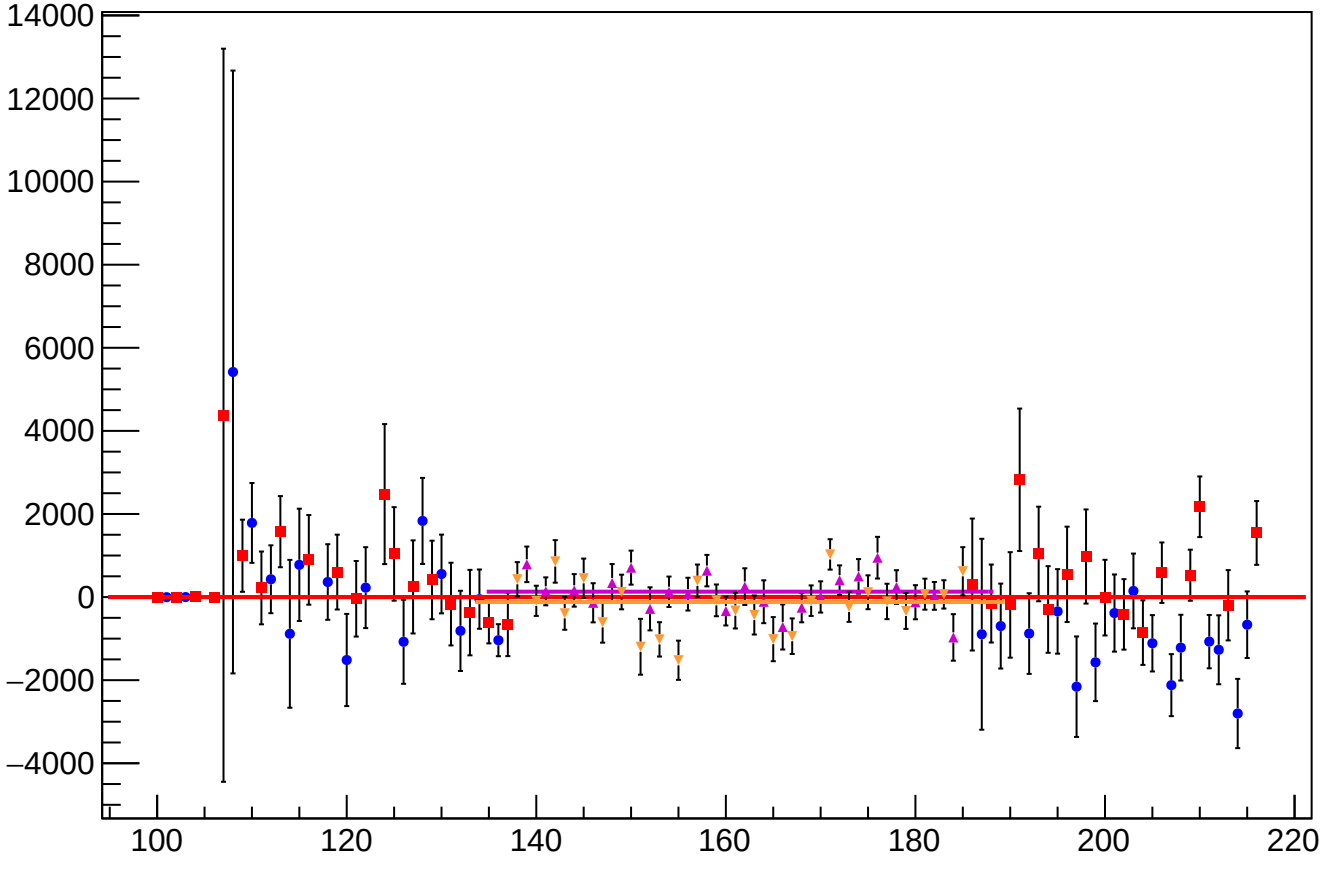
Right: 172.966+/-0.020 χ^2/NDF: 5245801.6/65

In: 178.169+/-0.021 χ^2/NDF:3877266.0/53

Out: 184.470+/-0.022 χ^2/NDF:5096942.1/59

All: 181.251+/-0.015 χ^2/NDF: 9016664.5/113

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: 1.416+/-2.022 χ^2/NDF: 37.3/34

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

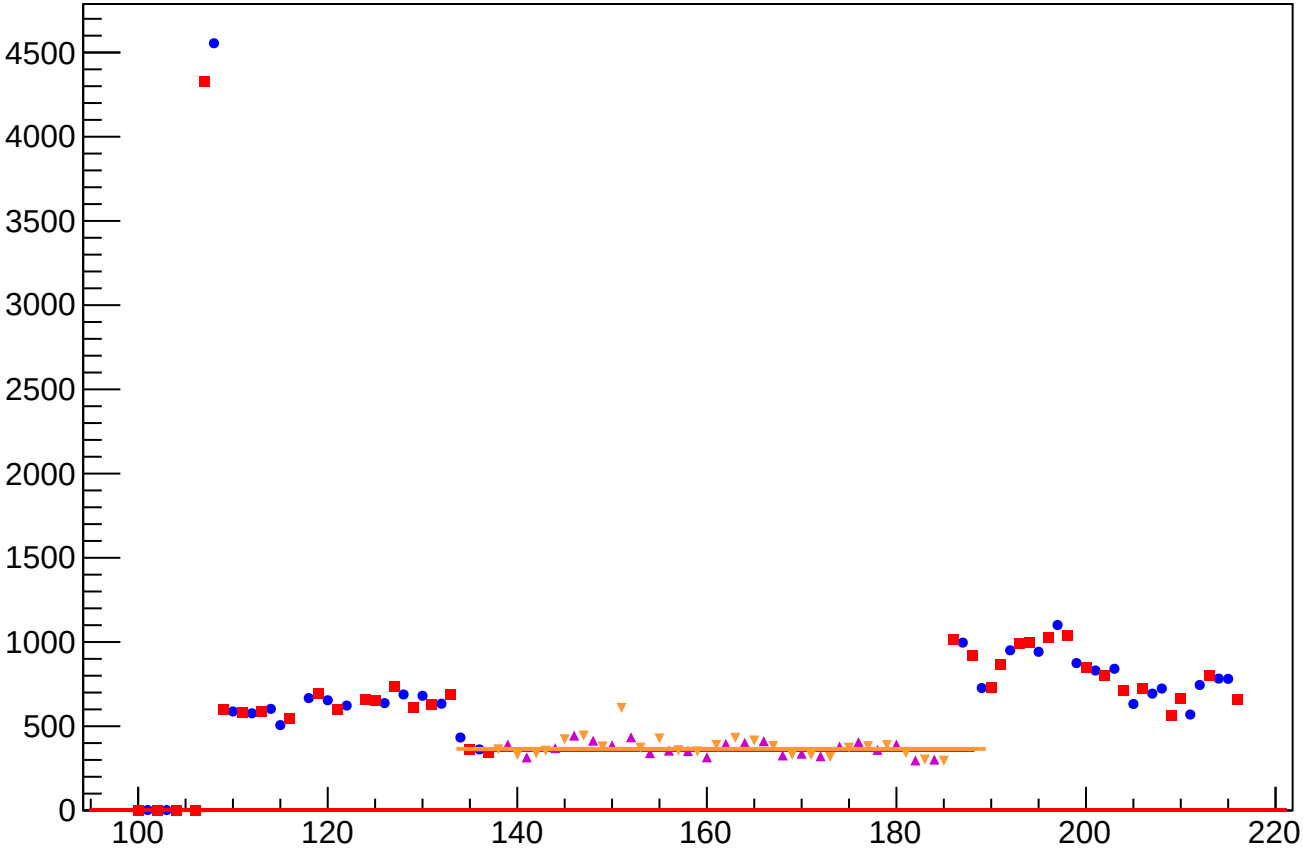
Right: 0.131+/-1.480 χ^2/NDF: 96.0/65

In: -1.263+/-2.170 χ^2/NDF:81.9/53

Out: 1.347+/-2.022 χ^2/NDF:85.7/59

All: 0.134+/-1.479 χ^2/NDF: 168.3/113

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: 2.524+/-0.001 χ^2/NDF: 35699175.1/34

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

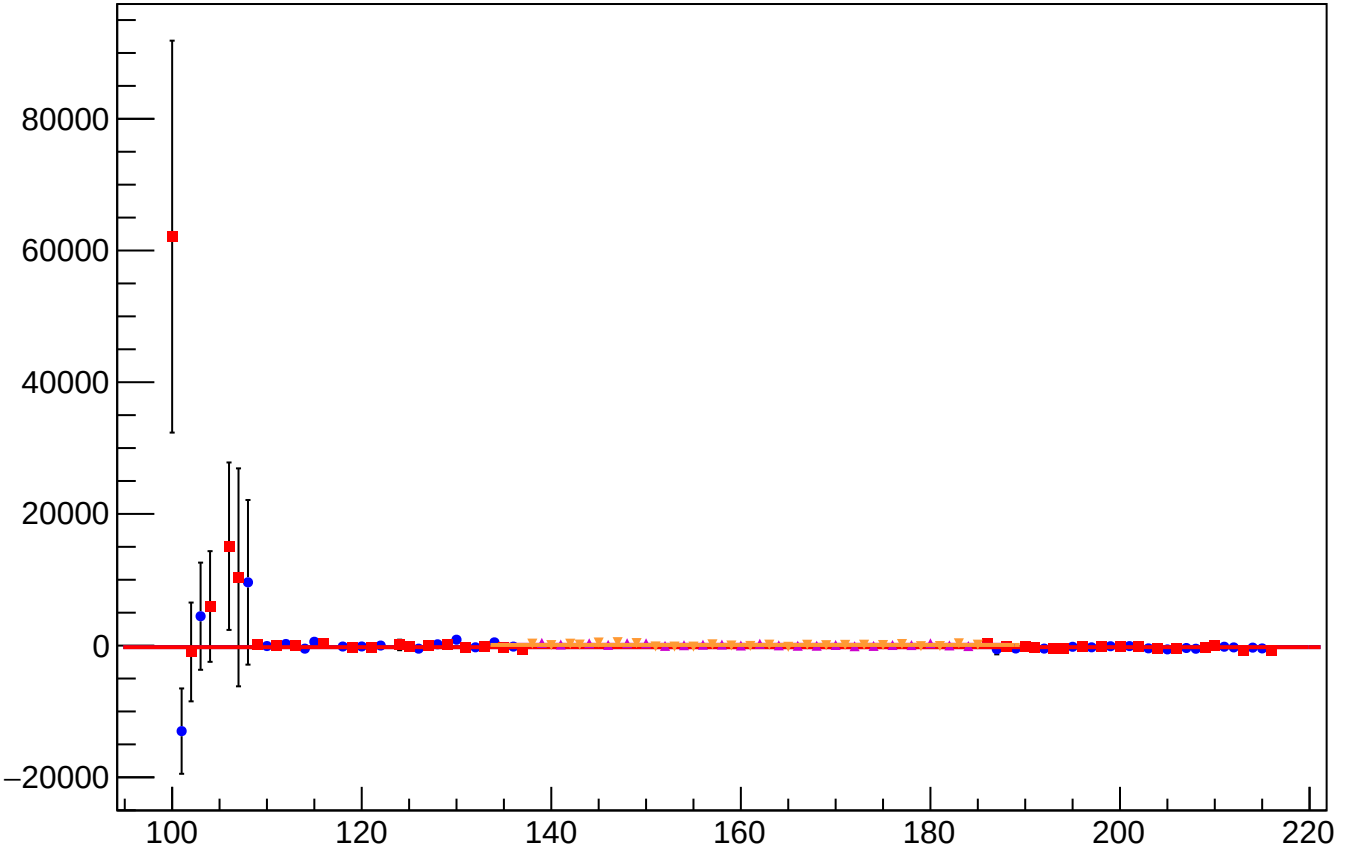
Right: 2.535+/-0.001 χ^2/NDF: 70946175.8/65

In: 2.780+/-0.002 χ^2/NDF:70785096.4/53

Out: 2.733+/-0.001 χ^2/NDF:73527729.2/59

All: 2.755+/-0.001 χ^2/NDF: 144313320.7/113

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: -238.126+/-44.838 χ^2/NDF: 37.5/34

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

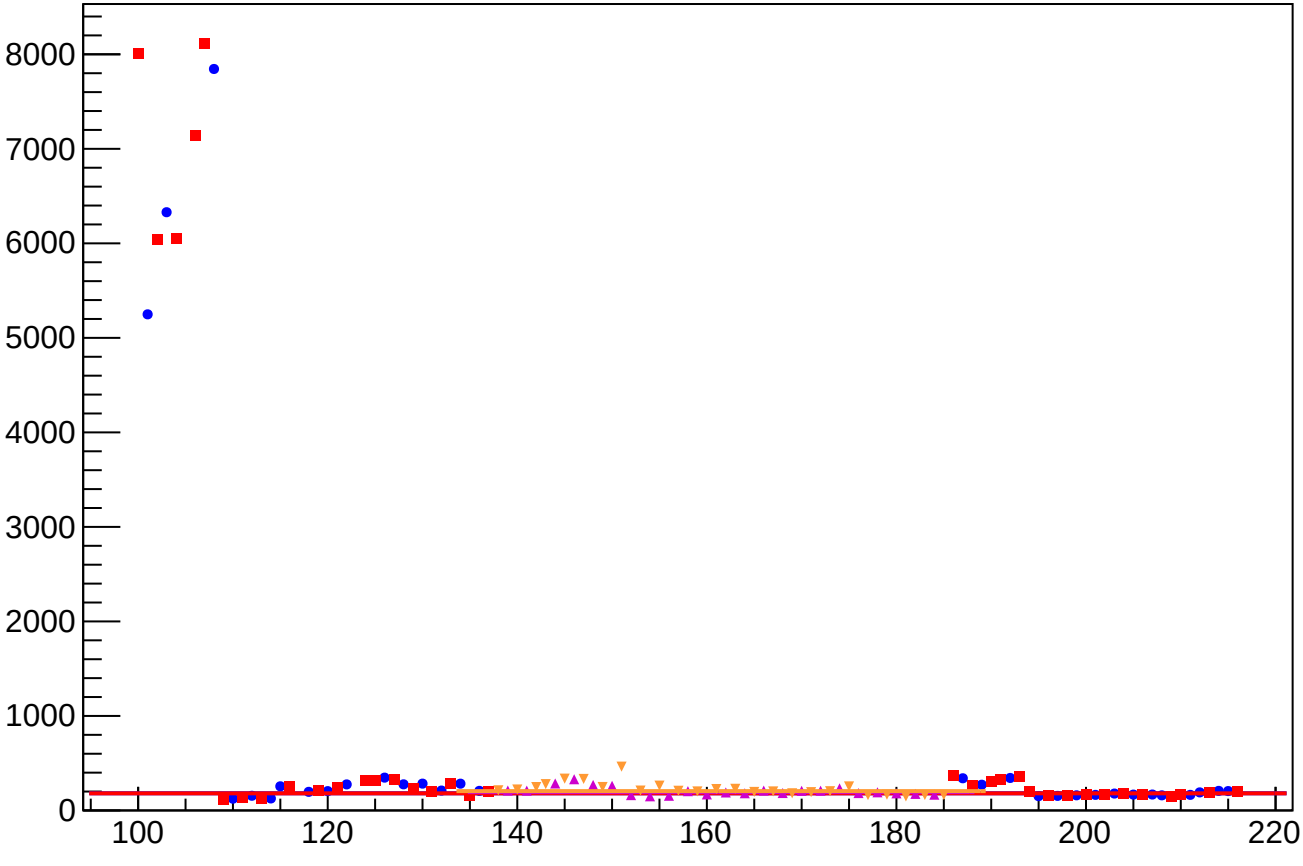
Right: -231.313+/-31.628 χ^2/NDF: 72.0/65

In: -61.385+/-32.345 χ^2/NDF:71.9/53

Out: -81.624+/-32.845 χ^2/NDF:76.5/59

All: -71.349+/-23.046 χ^2/NDF: 148.6/113

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: 181.055+/-0.032 χ^2/NDF: 5618788.0/34

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

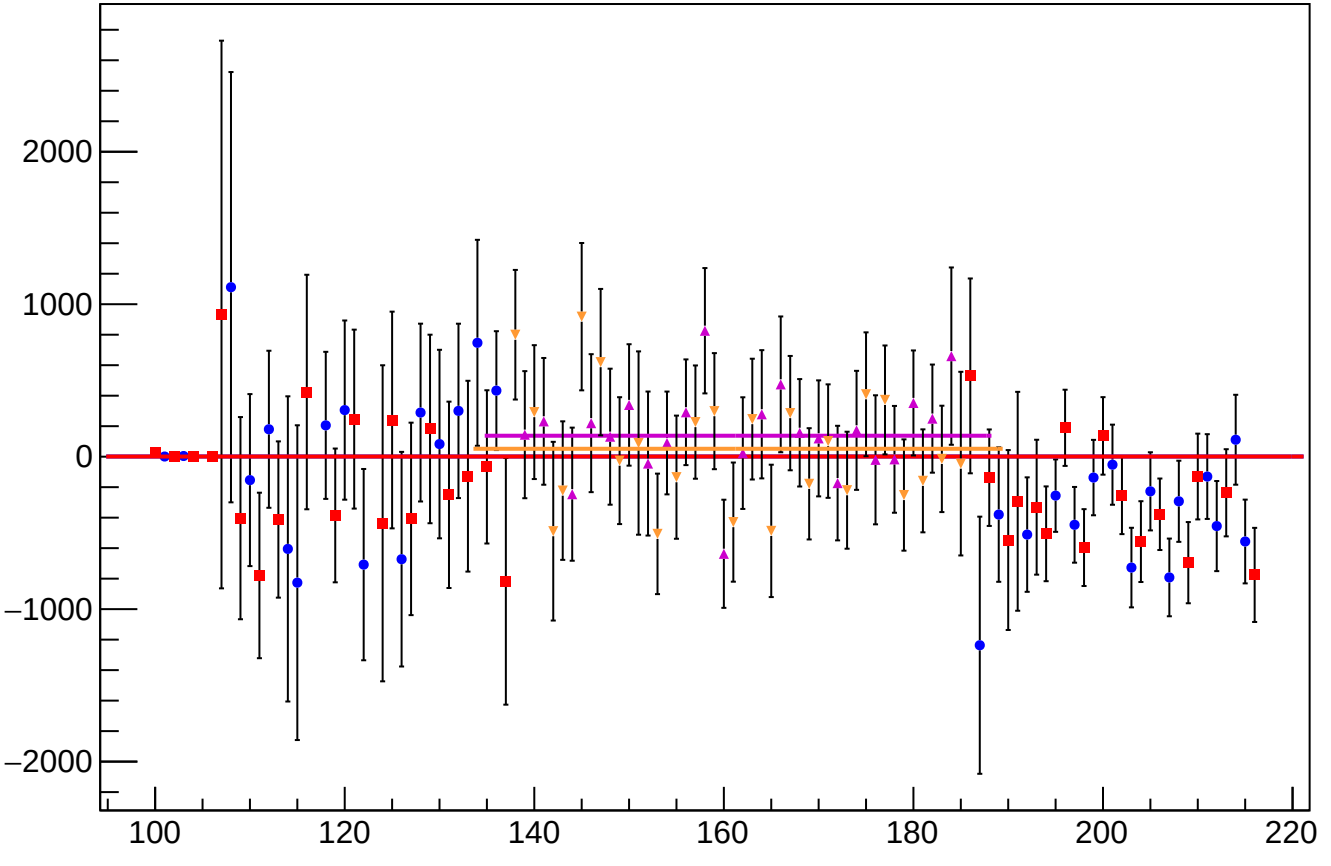
Right: 181.423+/-0.022 χ^2/NDF: 10569676.4/65

In: 187.532+/-0.023 χ^2/NDF:6212089.1/53

Out: 191.957+/-0.023 χ^2/NDF:7849052.9/59

All: 189.711+/-0.016 χ^2/NDF: 14079565.8/1

asym_cav4dQ_mean vs Slug, Sign Corrected



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: 0.966+/-1.527 χ^2/NDF: 42.9/34

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

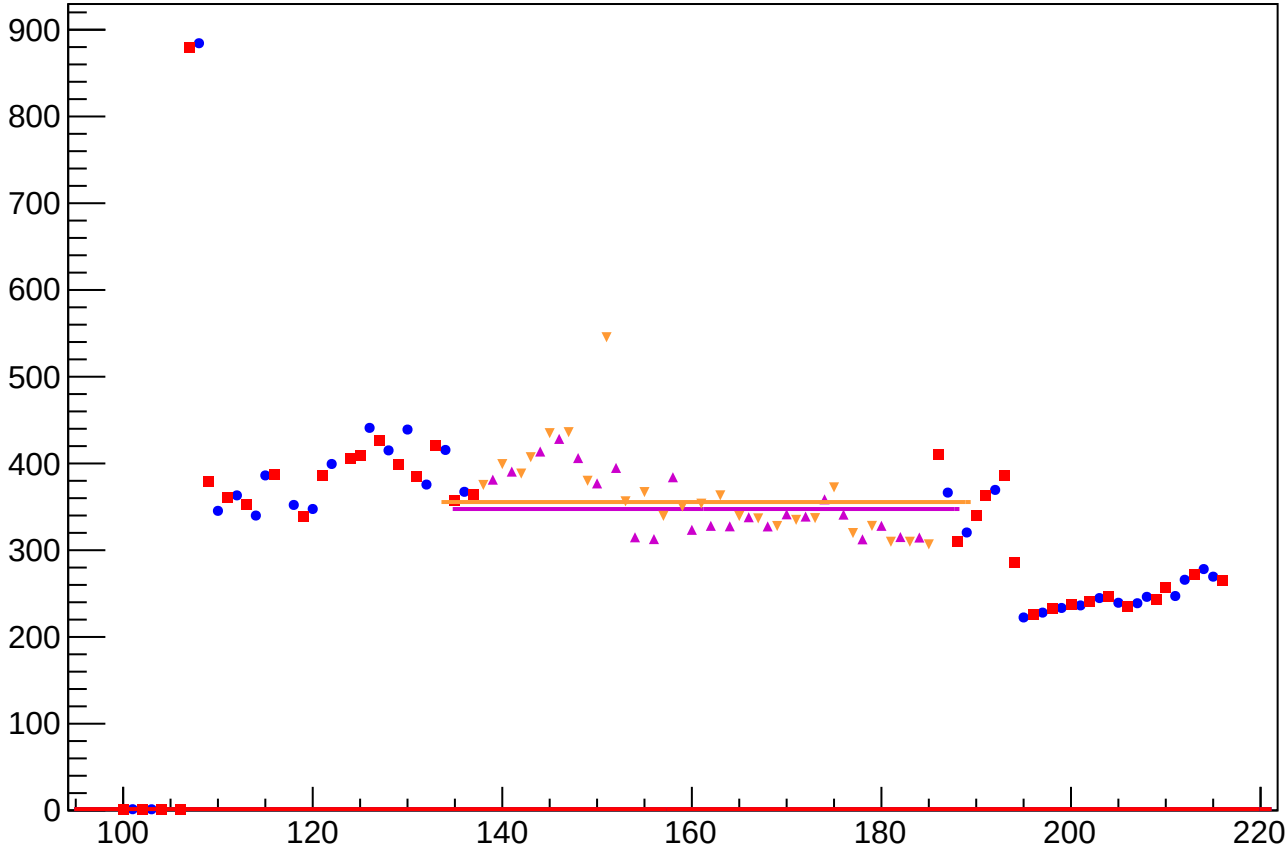
Right: 1.107+/-1.124 χ^2/NDF: 86.7/65

In: 1.330+/-1.660 χ^2/NDF:58.7/53

Out: 0.984+/-1.527 χ^2/NDF:62.7/59

All: 1.142+/-1.124 χ^2/NDF: 121.4/113

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: 1.574+/-0.001 χ^2/NDF: 35392146.9/34

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

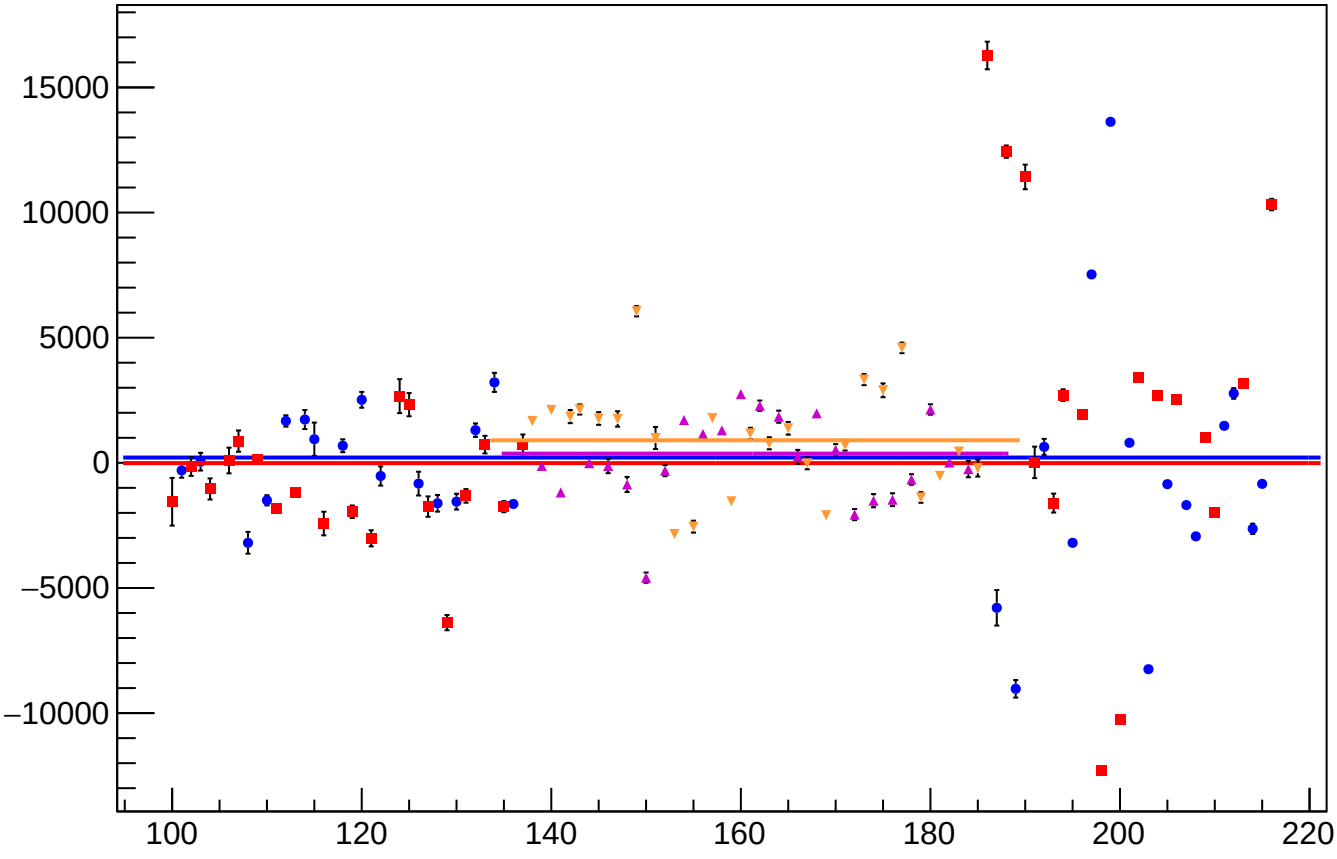
Right: 1.585+/-0.001 χ^2/NDF: 70937038.5/65

In: 1.740+/-0.001 χ^2/NDF:71363465.4/53

Out: 1.698+/-0.001 χ^2/NDF:73581743.6/59

All: 1.717+/-0.001 χ^2/NDF: 144945917.8/113

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: -11.334+/-42.381 χ^2/NDF: 16345.8/34

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

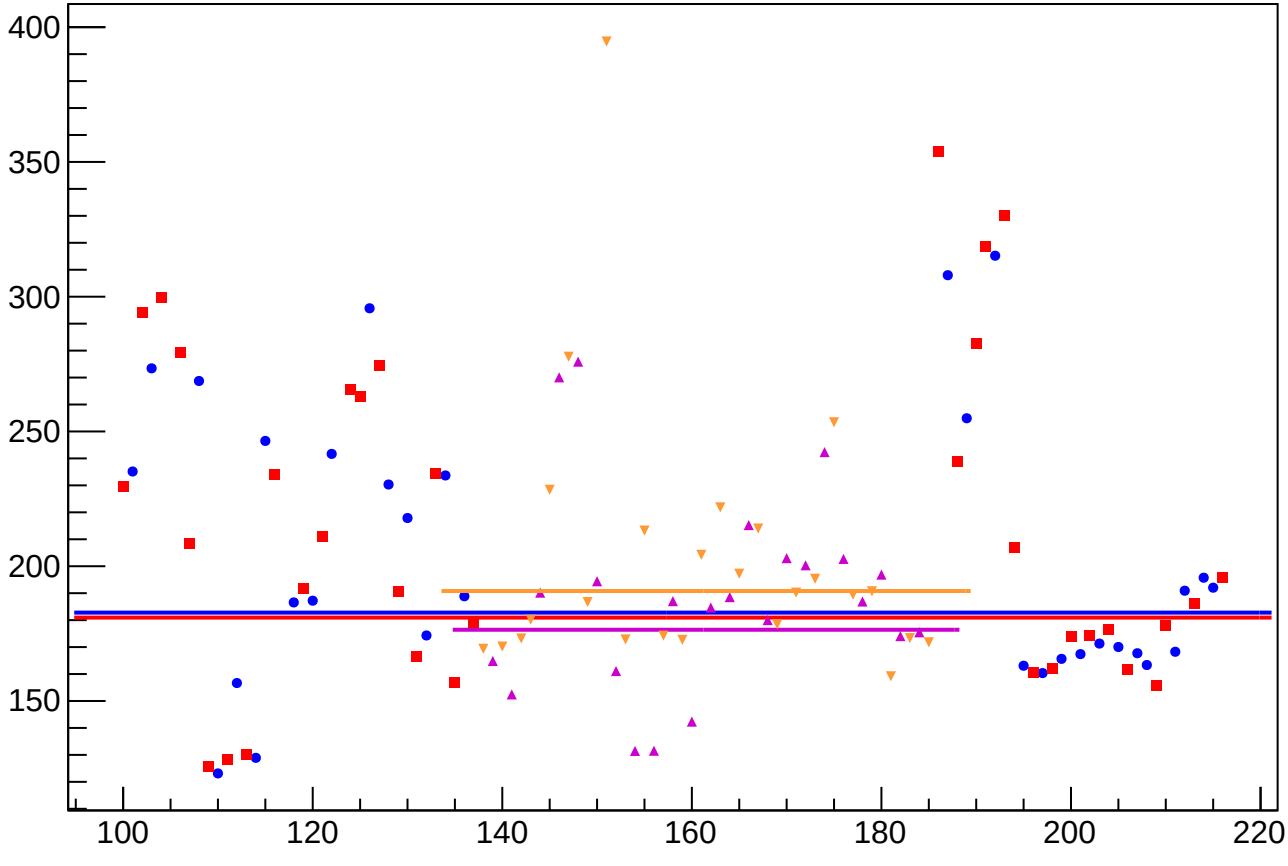
Right: 98.844+/-30.087 χ^2/NDF: 28601.4/65

In: 289.560+/-30.200 χ^2/NDF:13841.7/53

Out: 423.010+/-30.683 χ^2/NDF:18977.5/59

All: 355.227+/-21.524 χ^2/NDF: 32828.8/113

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: 180.945+/-0.030 χ^2/NDF: 2196214.5/34

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

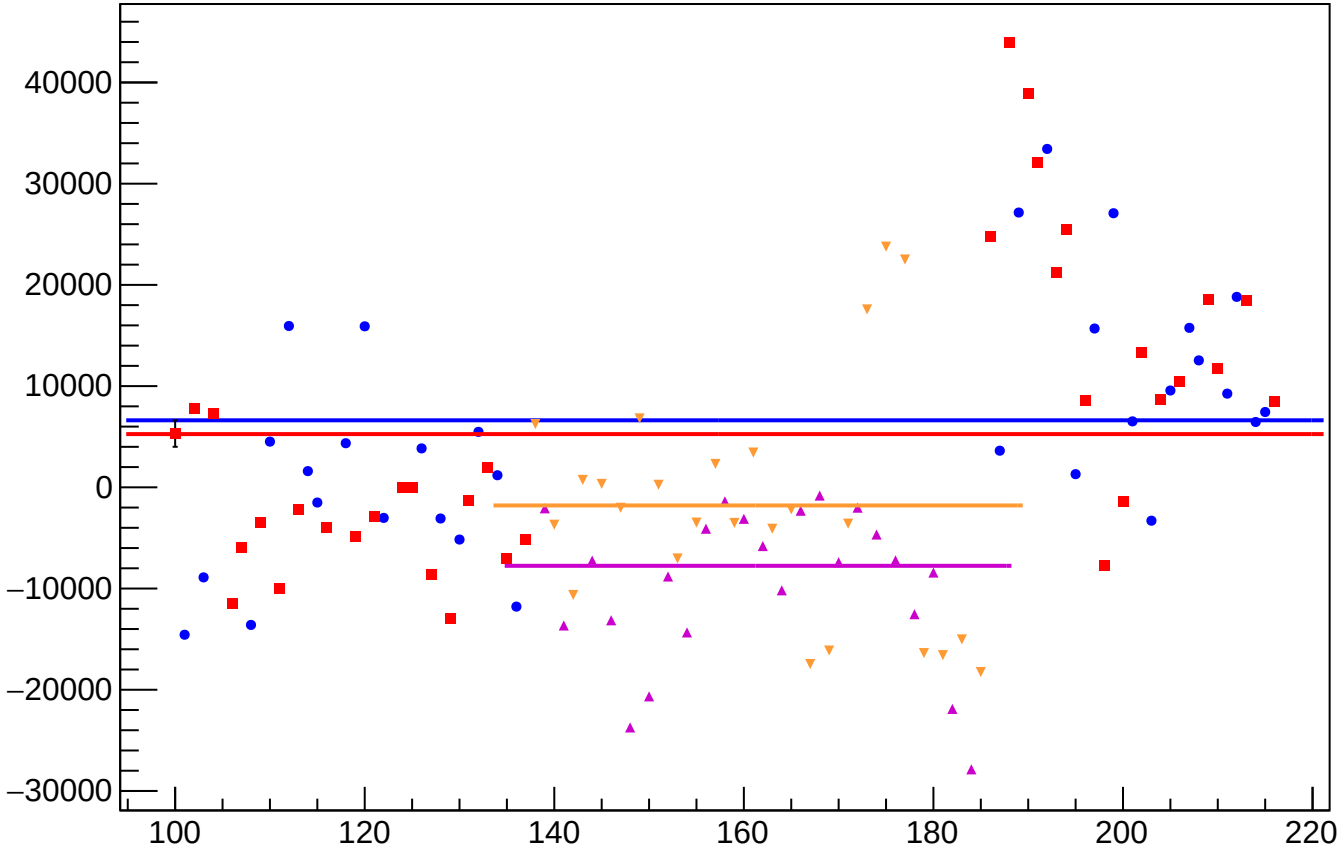
Right: 181.860+/-0.021 χ^2/NDF: 3654578.1/65

In: 179.610+/-0.021 χ^2/NDF:2736314.1/53

Out: 185.635+/-0.022 χ^2/NDF:3267284.5/59

All: 182.574+/-0.015 χ^2/NDF: 6042769.2/113

asym_bpm0i02WS_mean vs Slug, Sign Corrected



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: 5259.429+/-37.280 χ^2/NDF: 147172.3/34

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

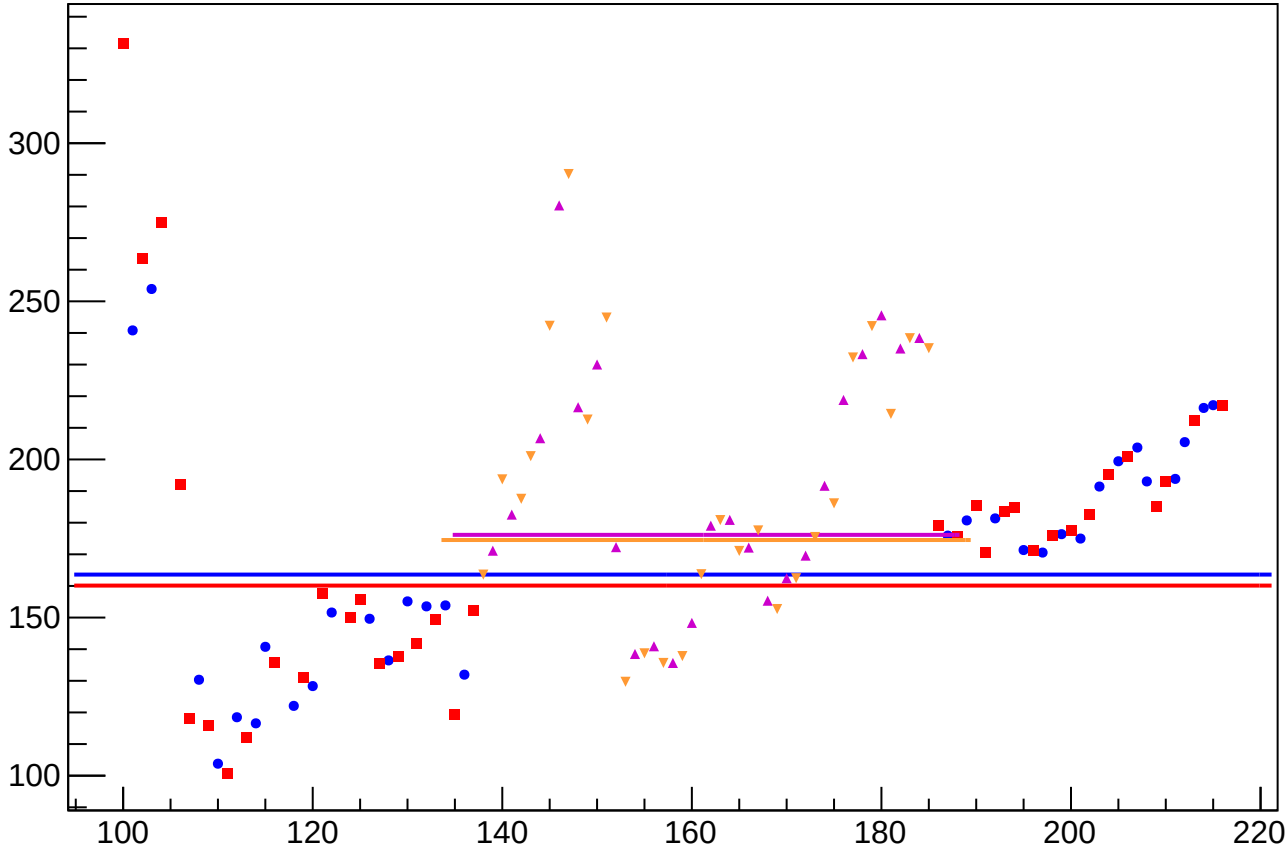
Right: 5918.925+/-26.780 χ^2/NDF: 244527.0/65

In: 155.093+/-28.552 χ^2/NDF:182730.7/53

Out: 2061.158+/-27.555 χ^2/NDF:229141.4/59

All: 1141.987+/-19.827 χ^2/NDF: 414179.6/11

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: 160.112+/-0.026 χ^2/NDF: 1934130.3/34

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

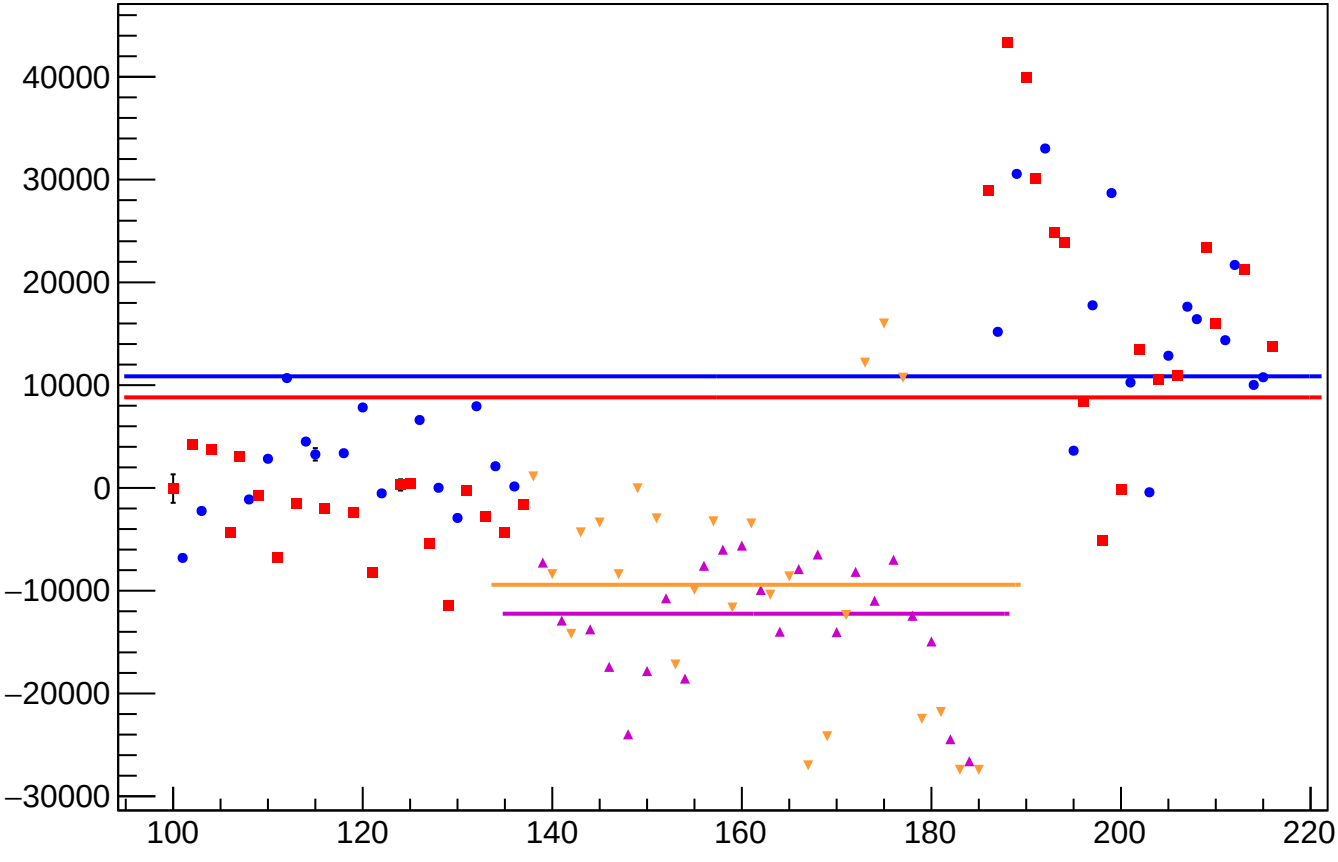
Right: 161.796+/-0.019 χ^2/NDF: 3603154.0/65

In: 169.243+/-0.020 χ^2/NDF:3123469.2/53

Out: 166.649+/-0.019 χ^2/NDF:3729140.7/59

All: 167.900+/-0.014 χ^2/NDF: 6861158.8/113

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



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: 8810.155+/-40.821 χ^2/NDF: 118713.7/34

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

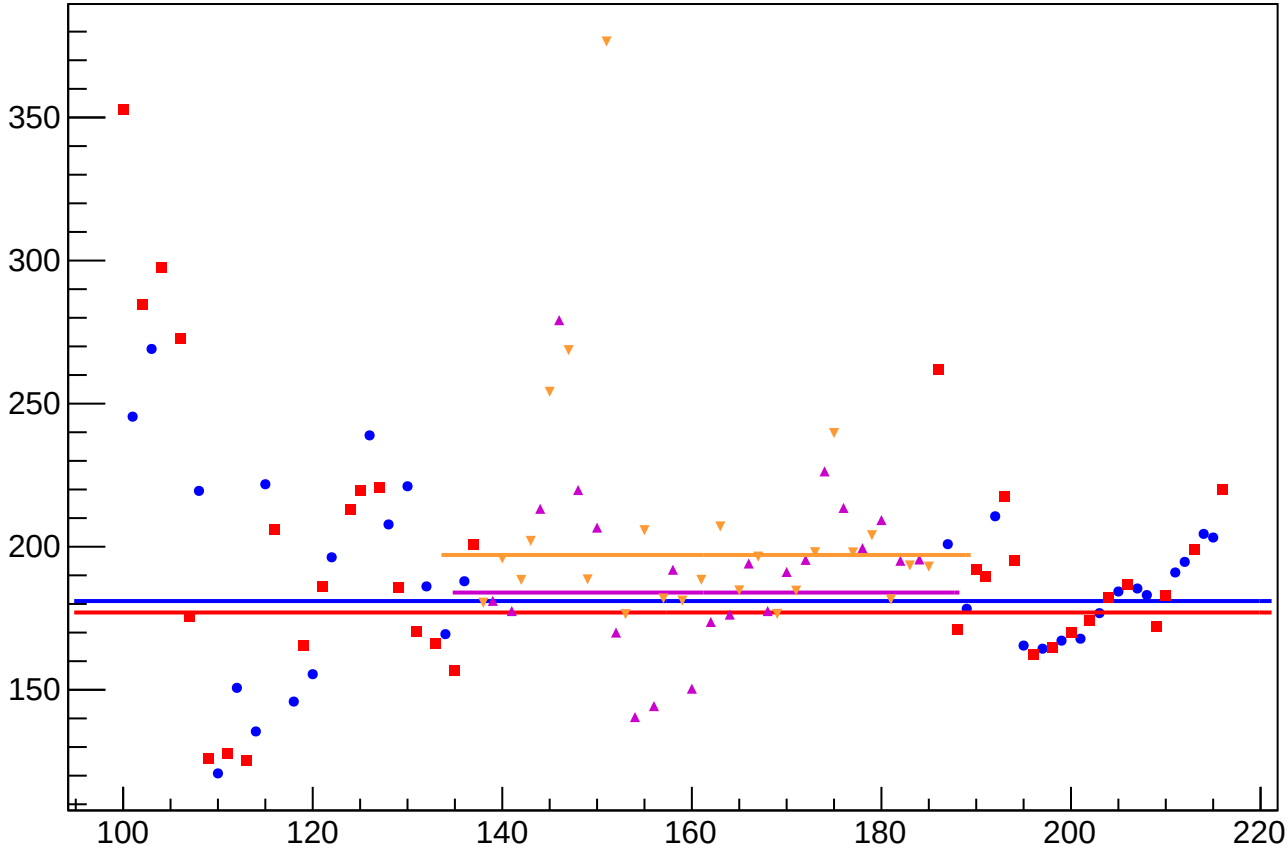
Right: 9805.669+/-29.268 χ^2/NDF: 176755.5/65

In: -98.256+/-30.440 χ^2/NDF:216399.7/53

Out: 719.321+/-30.444 χ^2/NDF:271948.1/59

All: 310.478+/-21.525 χ^2/NDF: 488708.4/113

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: 177.017+/-0.029 χ^2/NDF: 1292980.5/34

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

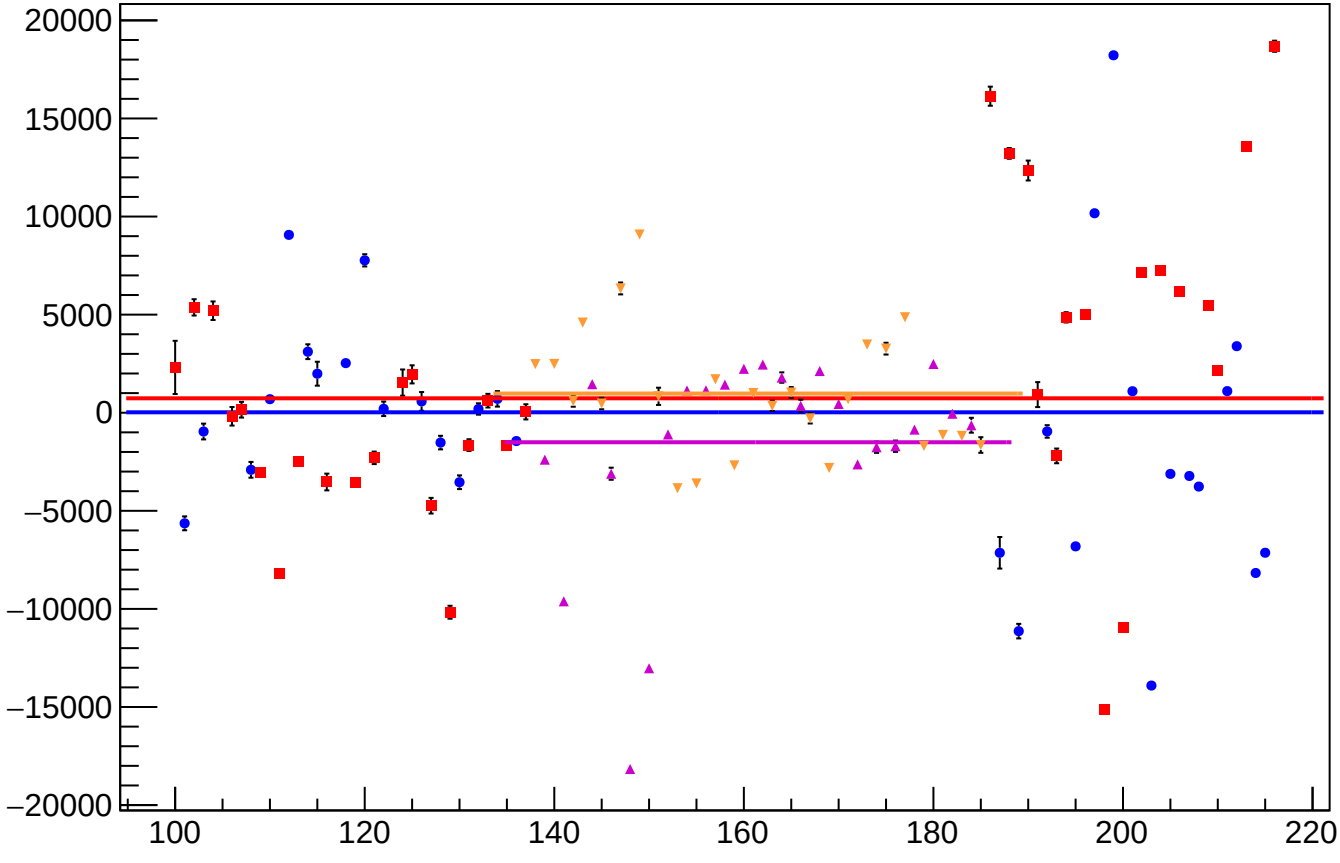
Right: 178.959+/-0.021 χ^2/NDF: 2137872.2/65

In: 182.424+/-0.022 χ^2/NDF:1670104.8/53

Out: 185.940+/-0.022 χ^2/NDF:2240828.2/59

All: 184.182+/-0.015 χ^2/NDF: 3924276.6/113

asym_bpm0i05WS_mean vs Slug, Sign Corrected



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: 735.079+/-45.902 χ^2/NDF: 29466.0/34

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

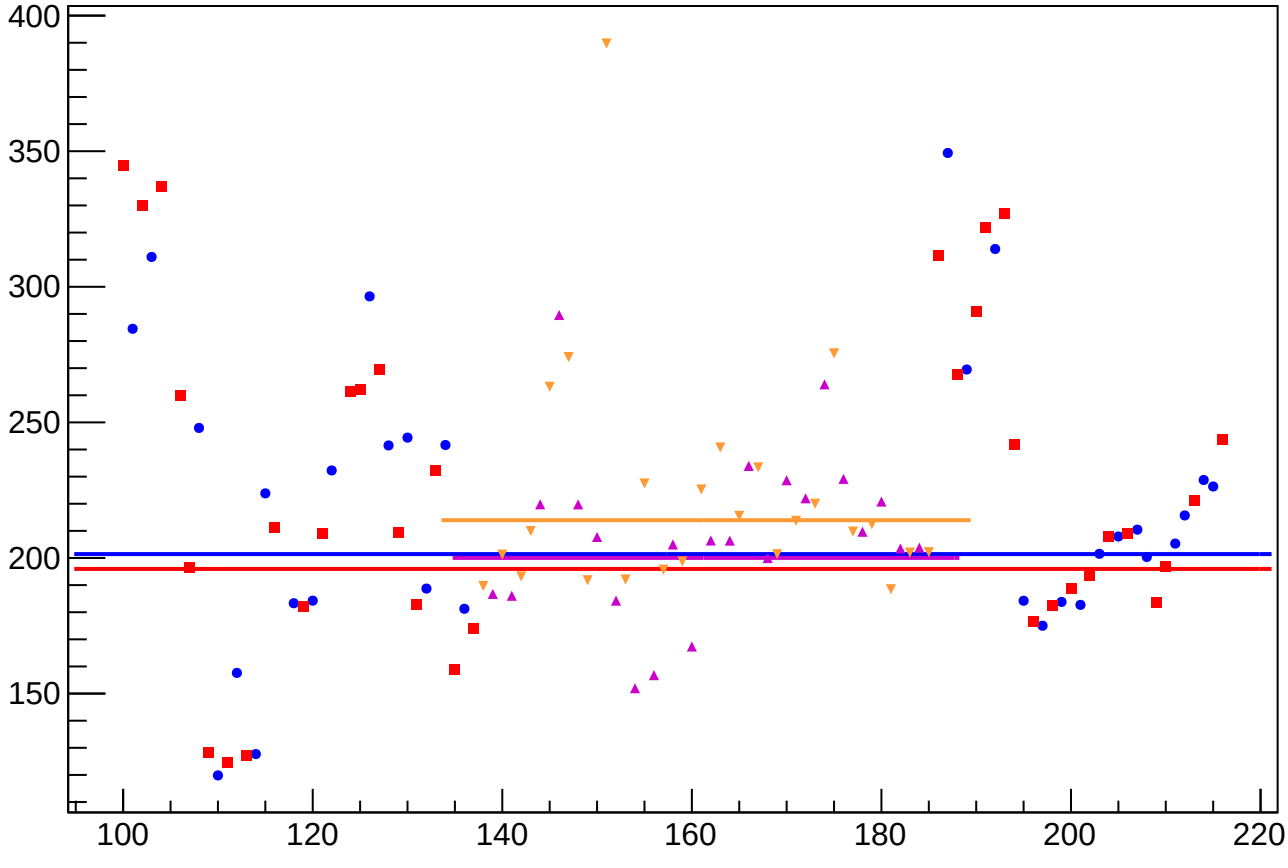
Right: 387.692+/-32.882 χ^2/NDF: 53456.7/65

In: -726.969+/-33.646 χ^2/NDF:35868.2/53

Out: 847.327+/-33.691 χ^2/NDF:33801.9/59

All: 59.113+/-23.807 χ^2/NDF: 70763.2/113

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: 195.969+/-0.032 χ^2/NDF: 2344789.0/34

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

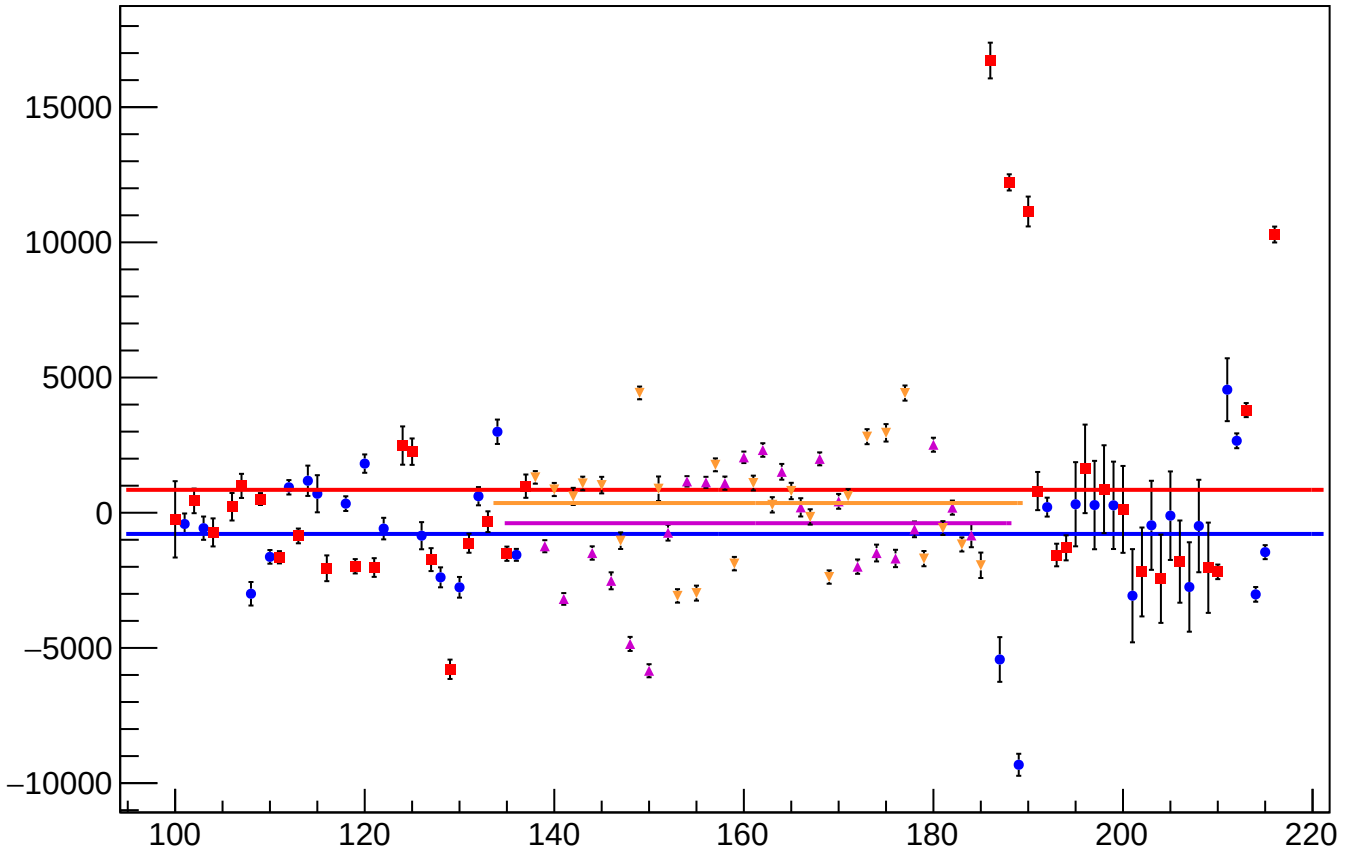
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 198.630+/-0.023 χ^2/NDF: 3874818.0/65

In: 200.747+/-0.024 χ^2/NDF:2302617.8/53

Out: 204.254+/-0.024 χ^2/NDF:3219689.8/59

All: 202.498+/-0.017 χ^2/NDF: 5533162.1/113



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: 846.717+/-66.750 χ^2/NDF: 4630.6/34

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

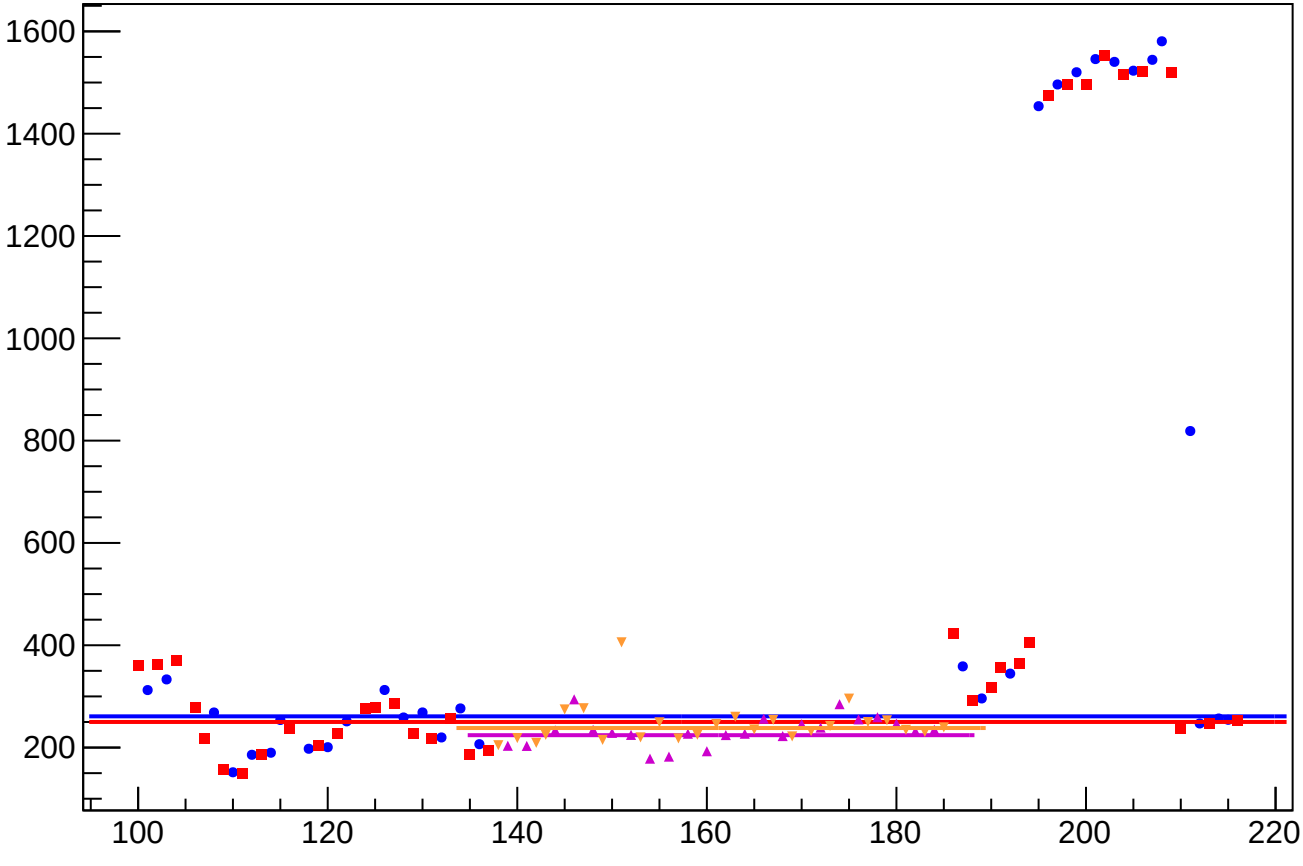
Right: 90.653+/-48.885 χ^2/NDF: 5961.2/65

In: -528.795+/-42.913 χ^2/NDF:2877.8/53

Out: 555.998+/-42.443 χ^2/NDF:6081.3/59

All: 19.577+/-30.177 χ^2/NDF: 9282.1/113

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: 250.058+/-0.047 χ^2/NDF: 10530121.1/34

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

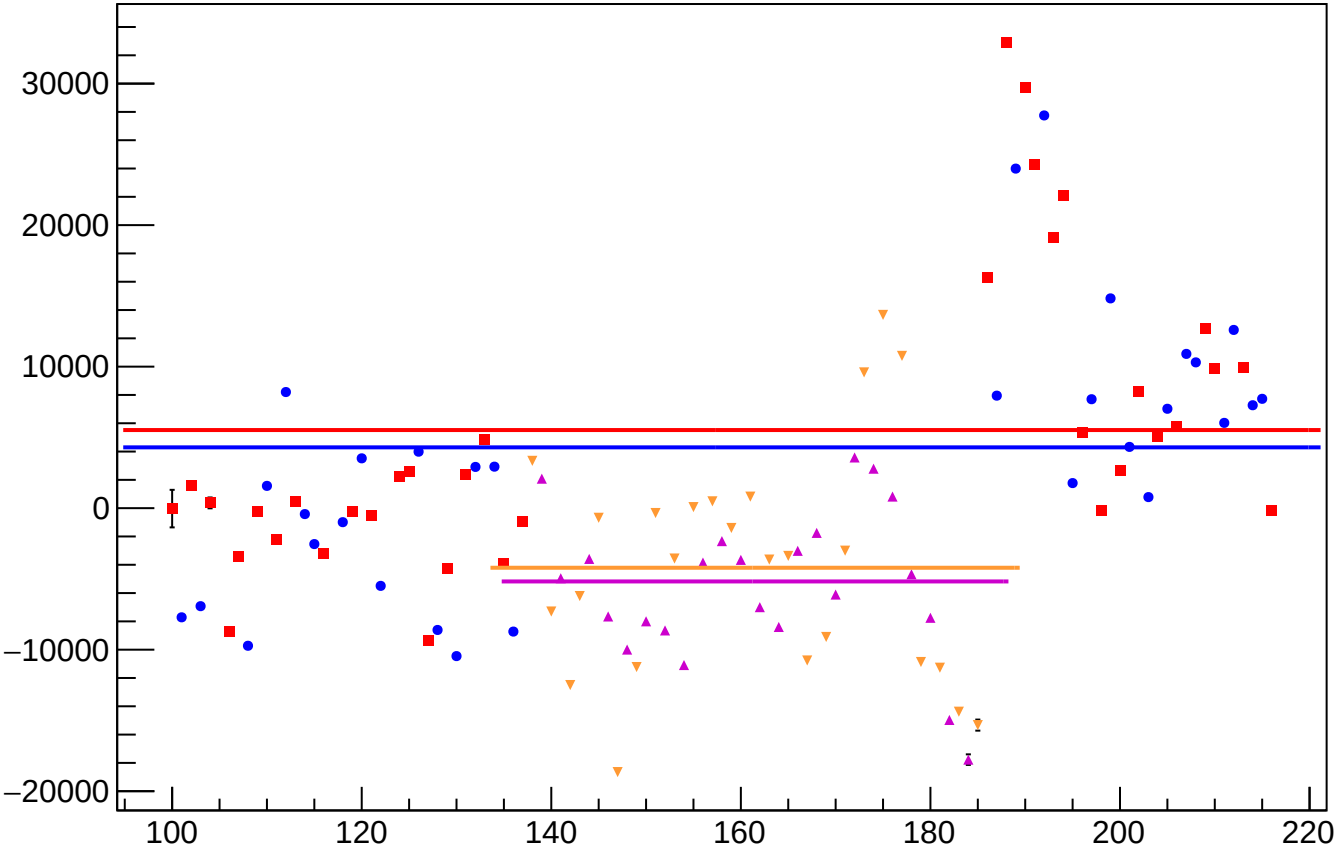
Right: 255.150+/-0.035 χ^2/NDF: 21616330.7/65

In: 237.370+/-0.030 χ^2/NDF:11962593.4/53

Out: 242.994+/-0.030 χ^2/NDF:11135660.2/59

All: 240.213+/-0.021 χ^2/NDF: 23115615.8/11

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: 5519.669+/-31.489 χ^2/NDF: 106535.7/34

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

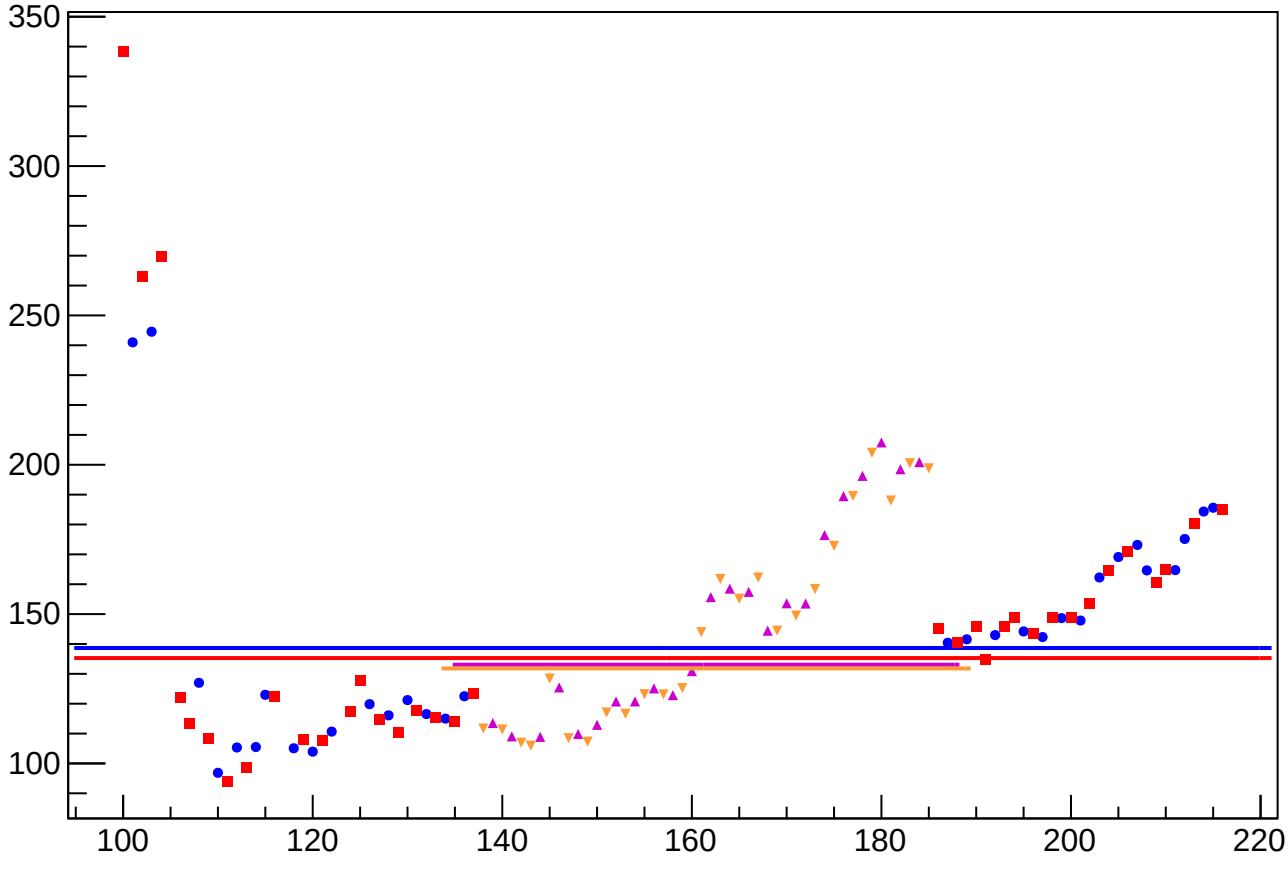
Right: 4931.127+/-22.680 χ^2/NDF: 189328.7/65

In: -546.633+/-22.857 χ^2/NDF:143546.3/53

Out: 551.369+/-22.029 χ^2/NDF:212092.7/59

All: 22.621+/-15.861 χ^2/NDF: 356835.4/113

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: 135.280+/-0.022 χ^2/NDF: 1796884.3/34

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

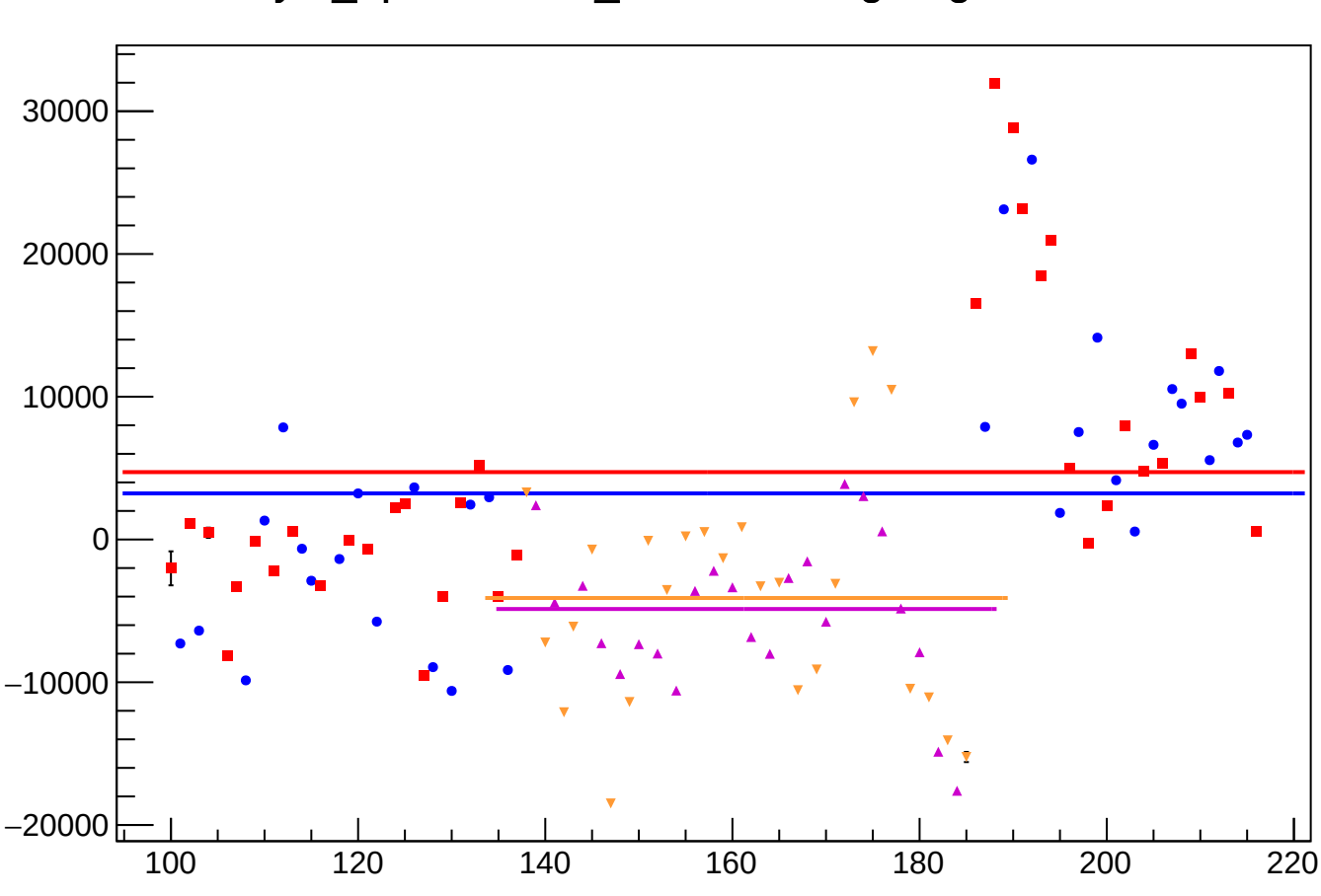
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 136.901+/-0.016 χ^2/NDF: 3478091.1/65

In: 135.793+/-0.016 χ^2/NDF:3118305.6/53

Out: 133.502+/-0.016 χ^2/NDF:3353713.3/59

All: 134.605+/-0.011 χ^2/NDF: 6482434.4/113



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: 4719.696+/-29.088 χ^2/NDF: 113476.9/34

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

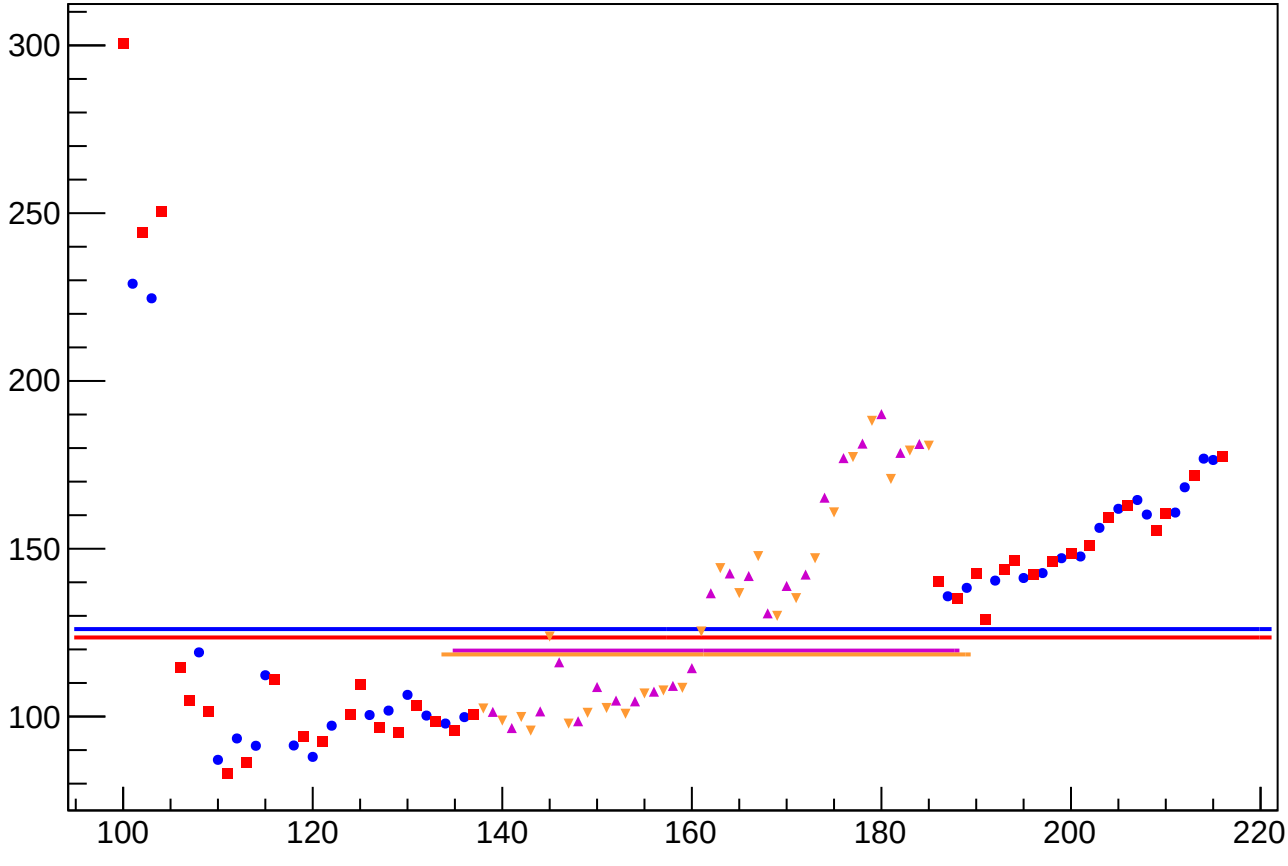
Right: 3999.534+/-20.910 χ^2/NDF: 205246.5/65

In: -994.738+/-20.805 χ^2/NDF:150229.9/53

Out: 106.265+/-20.087 χ^2/NDF:227830.6/59

All: -424.894+/-14.451 χ^2/NDF: 379509.9/11

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: 123.561+/-0.021 χ^2/NDF: 2516781.8/34

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

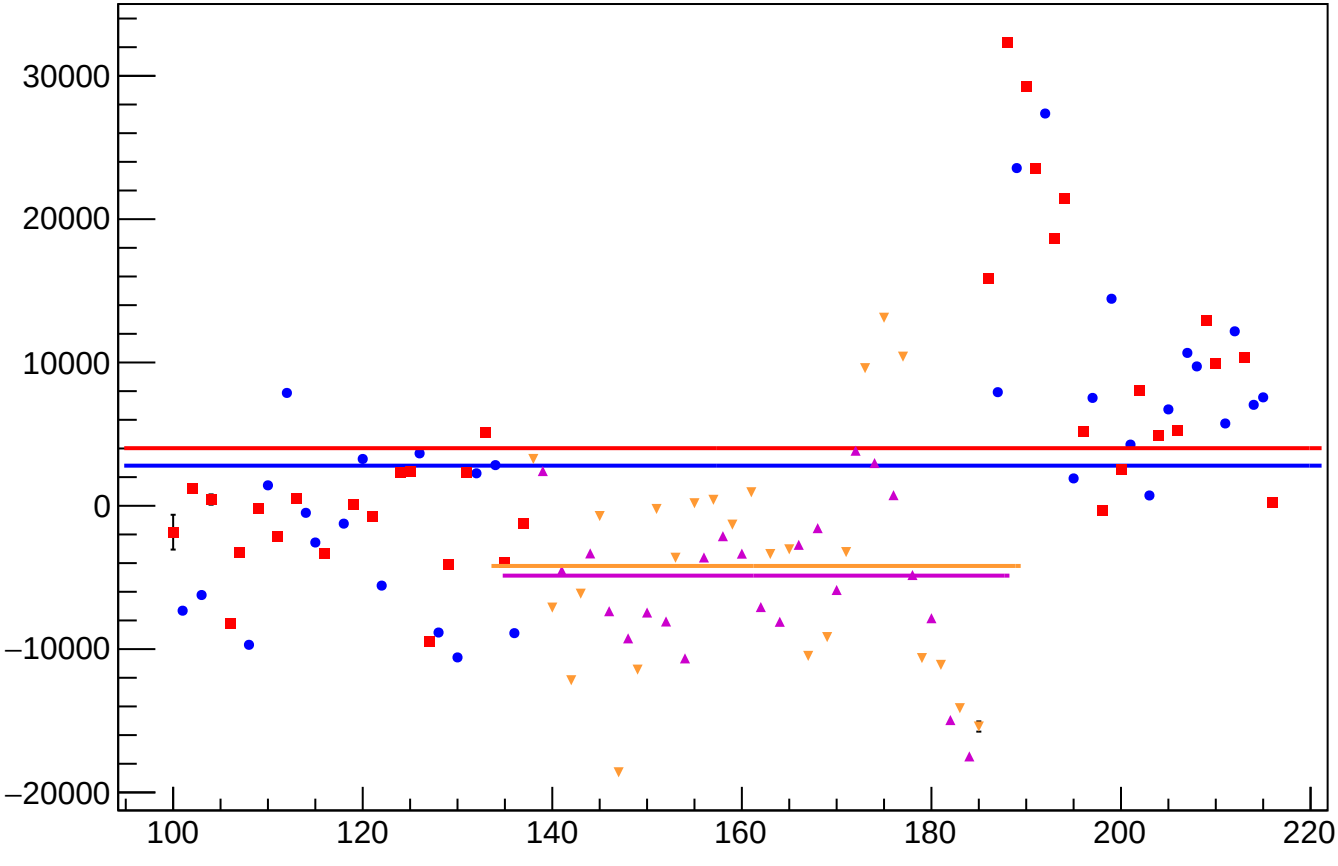
Right: 124.768+/-0.015 χ^2/NDF: 4955541.6/65

In: 122.714+/-0.015 χ^2/NDF:3991451.0/53

Out: 120.914+/-0.014 χ^2/NDF:4175575.7/59

All: 121.782+/-0.010 χ^2/NDF: 8174770.2/113

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: 4020.375+/-28.927 χ^2/NDF: 107177.0/34

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

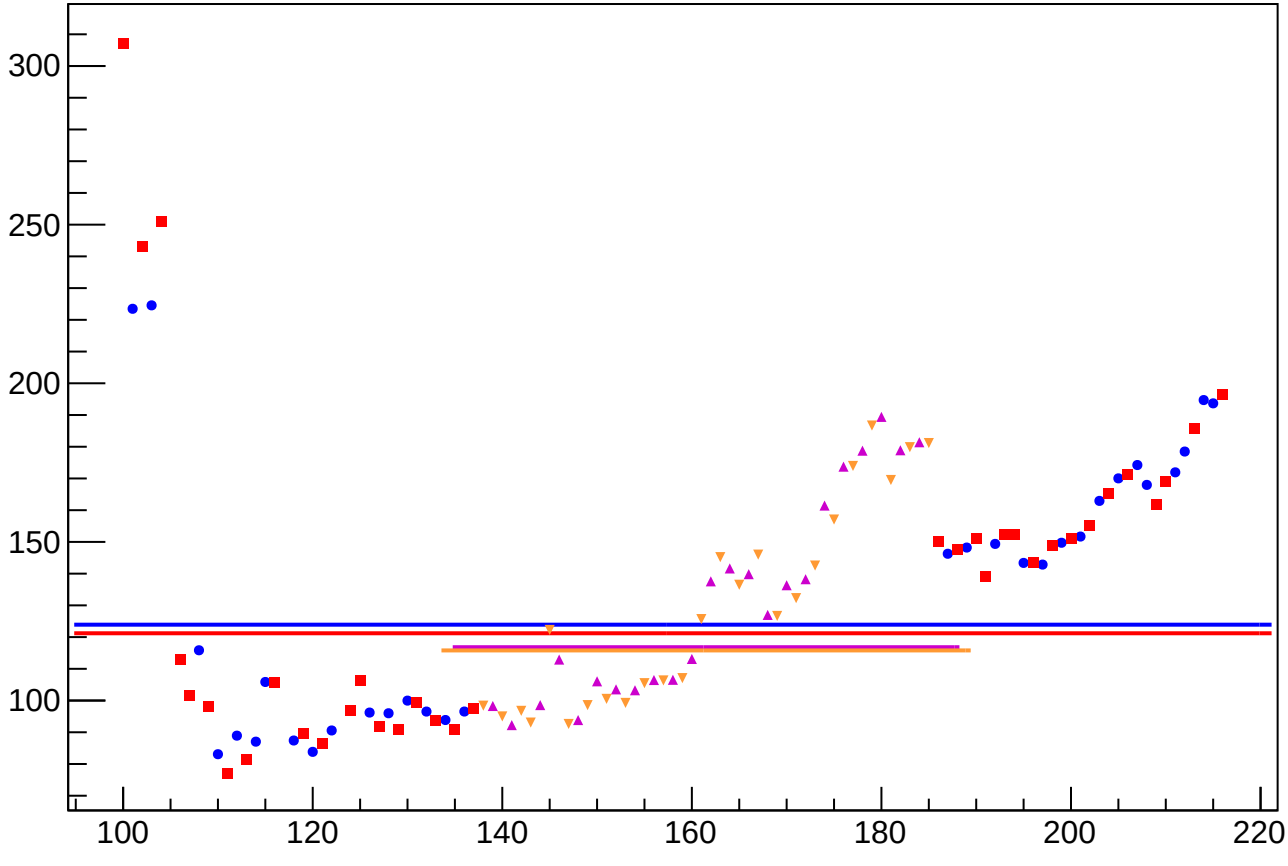
Right: 3432.186+/-20.813 χ^2/NDF: 197867.0/65

In: -1269.374+/-20.538 χ^2/NDF:147531.4/53

Out: -339.504+/-19.820 χ^2/NDF:220410.5/59

All: -787.903+/-14.262 χ^2/NDF: 369003.4/11

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: 121.205+/-0.020 χ^2/NDF: 3393973.6/34

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

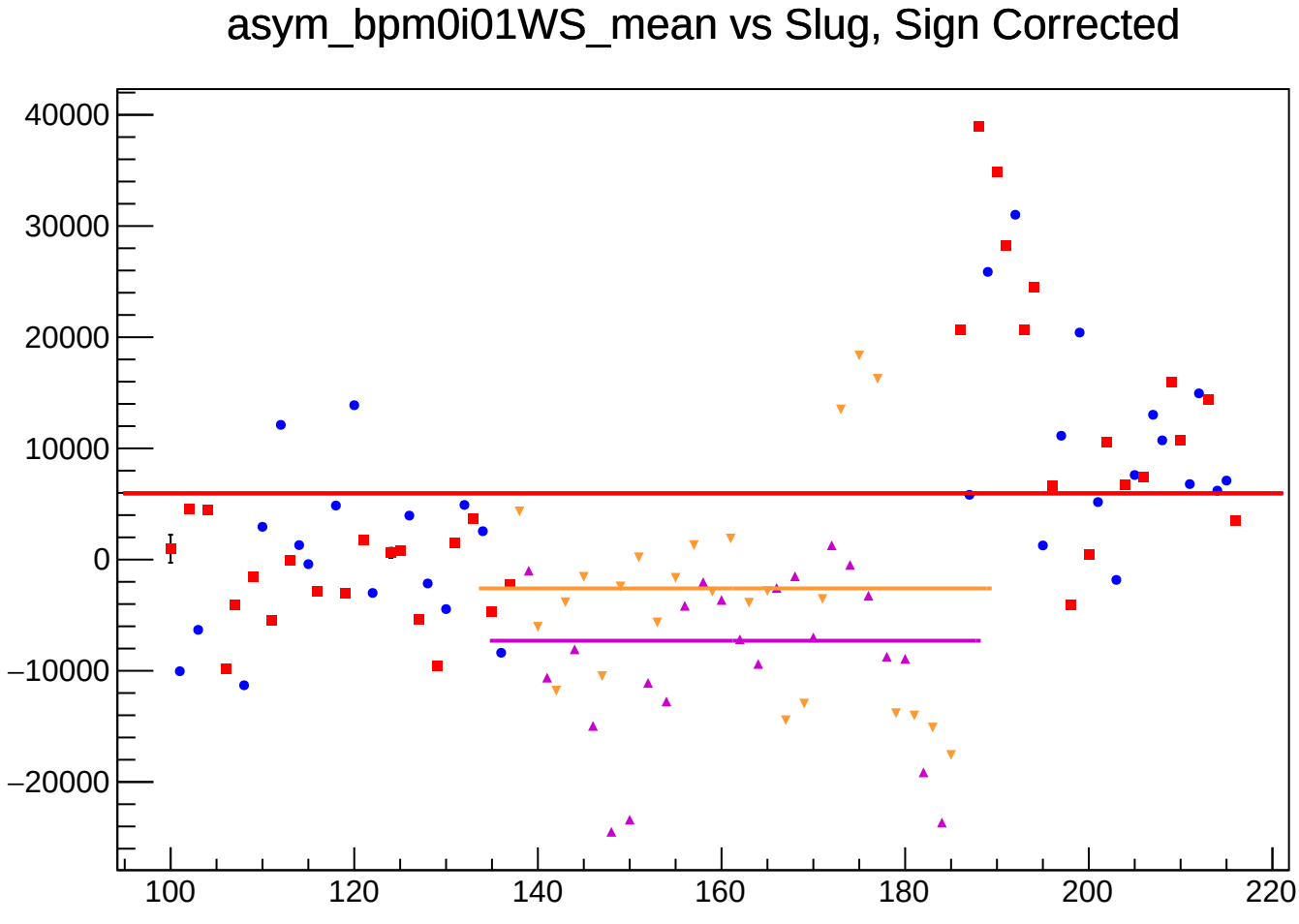
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 122.510+/-0.015 χ^2/NDF: 6666224.1/65

In: 120.144+/-0.015 χ^2/NDF:4941038.5/53

Out: 118.336+/-0.014 χ^2/NDF:5180064.3/59

All: 119.208+/-0.010 χ^2/NDF: 10129128.6/11



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: 5971.355+/-38.083 χ^2/NDF: 101566.0/34

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

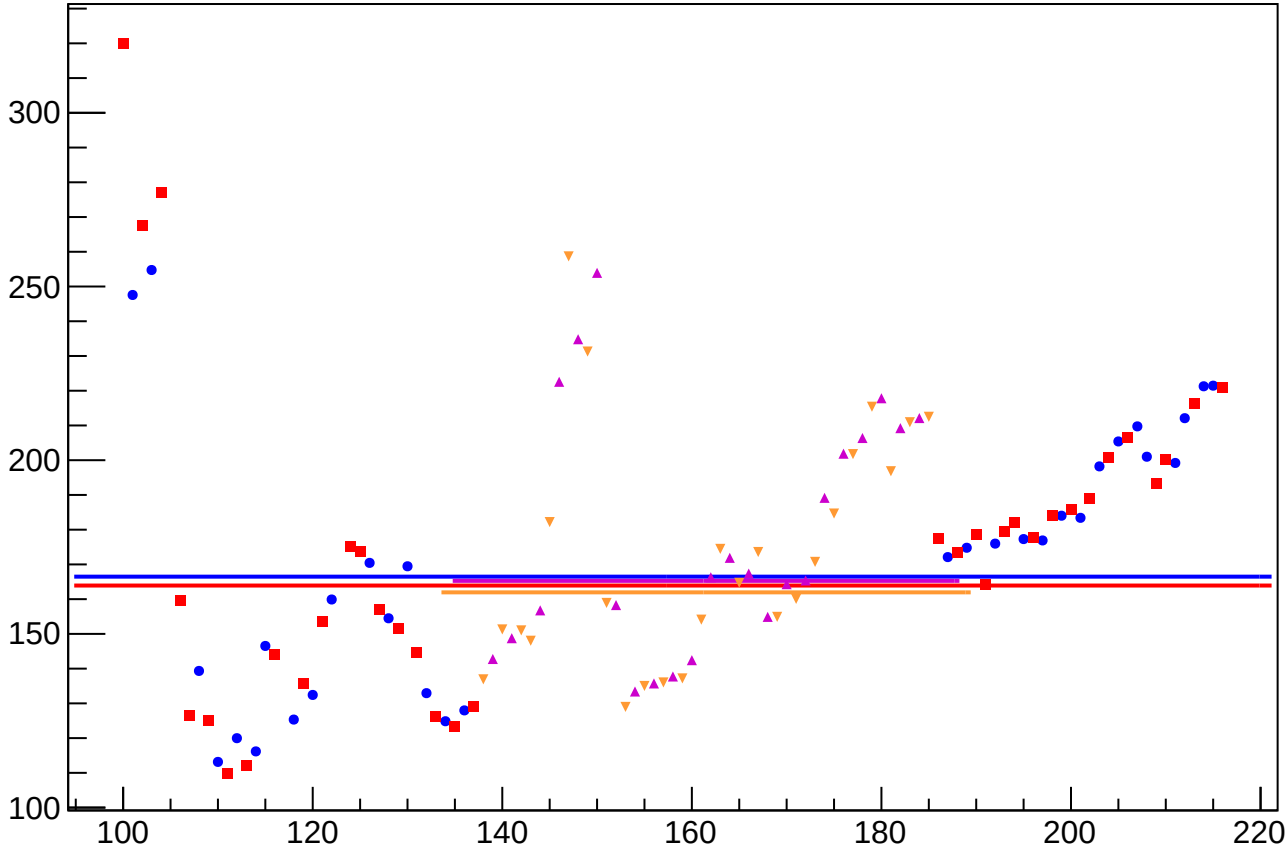
Right: 5960.338+/-27.309 χ^2/NDF: 167506.2/65

In: -607.585+/-27.844 χ^2/NDF:147245.7/53

Out: 1640.322+/-26.772 χ^2/NDF:175132.1/59

All: 560.486+/-19.298 χ^2/NDF: 325764.5/113

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: 163.920+/-0.027 χ^2/NDF: 1796494.2/34

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

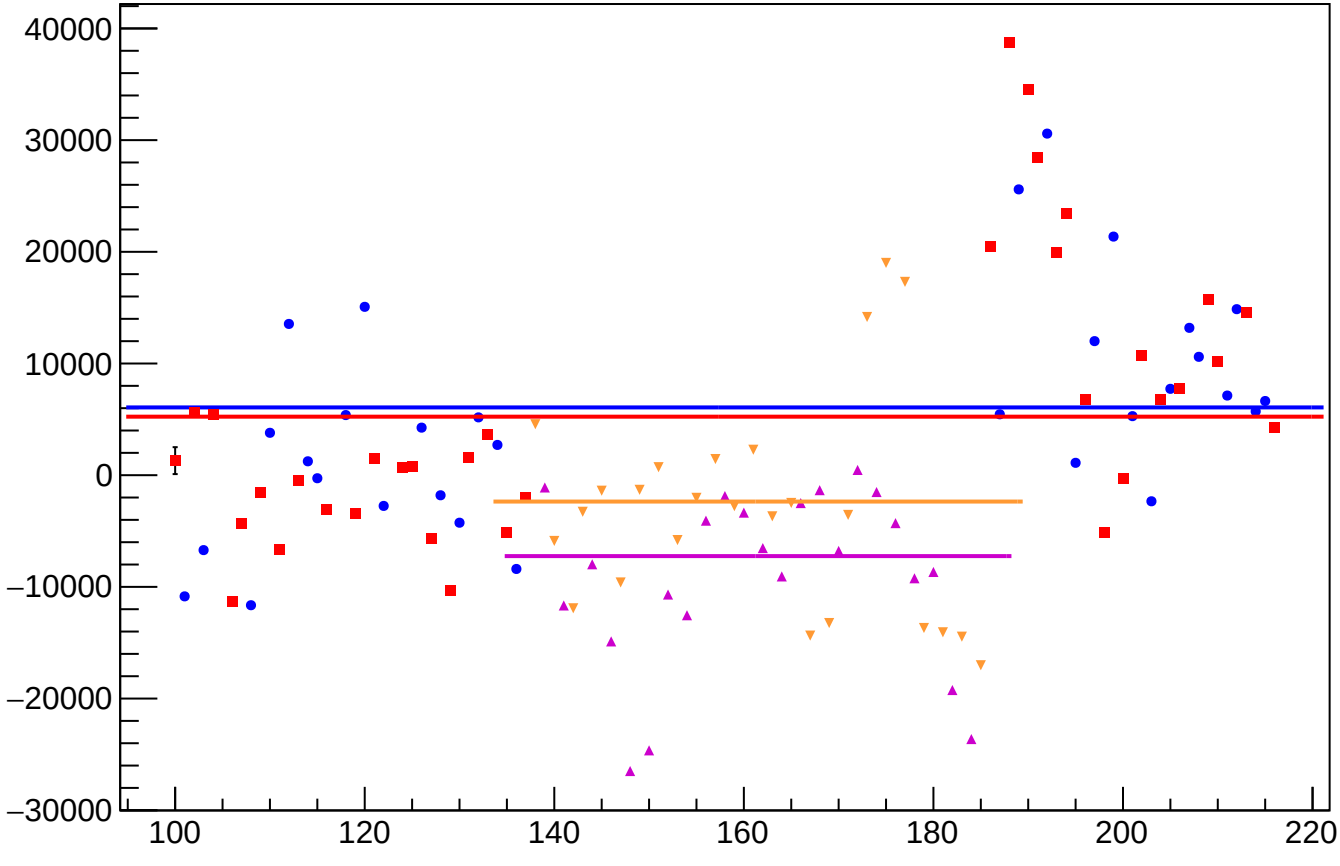
Right: 165.163+/-0.019 χ^2/NDF: 3545059.6/65

In: 165.882+/-0.020 χ^2/NDF:2924209.1/53

Out: 162.927+/-0.019 χ^2/NDF:2943990.8/59

All: 164.346+/-0.014 χ^2/NDF: 5879900.4/113

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: 5239.626+/-32.275 χ^2/NDF: 141549.7/34

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

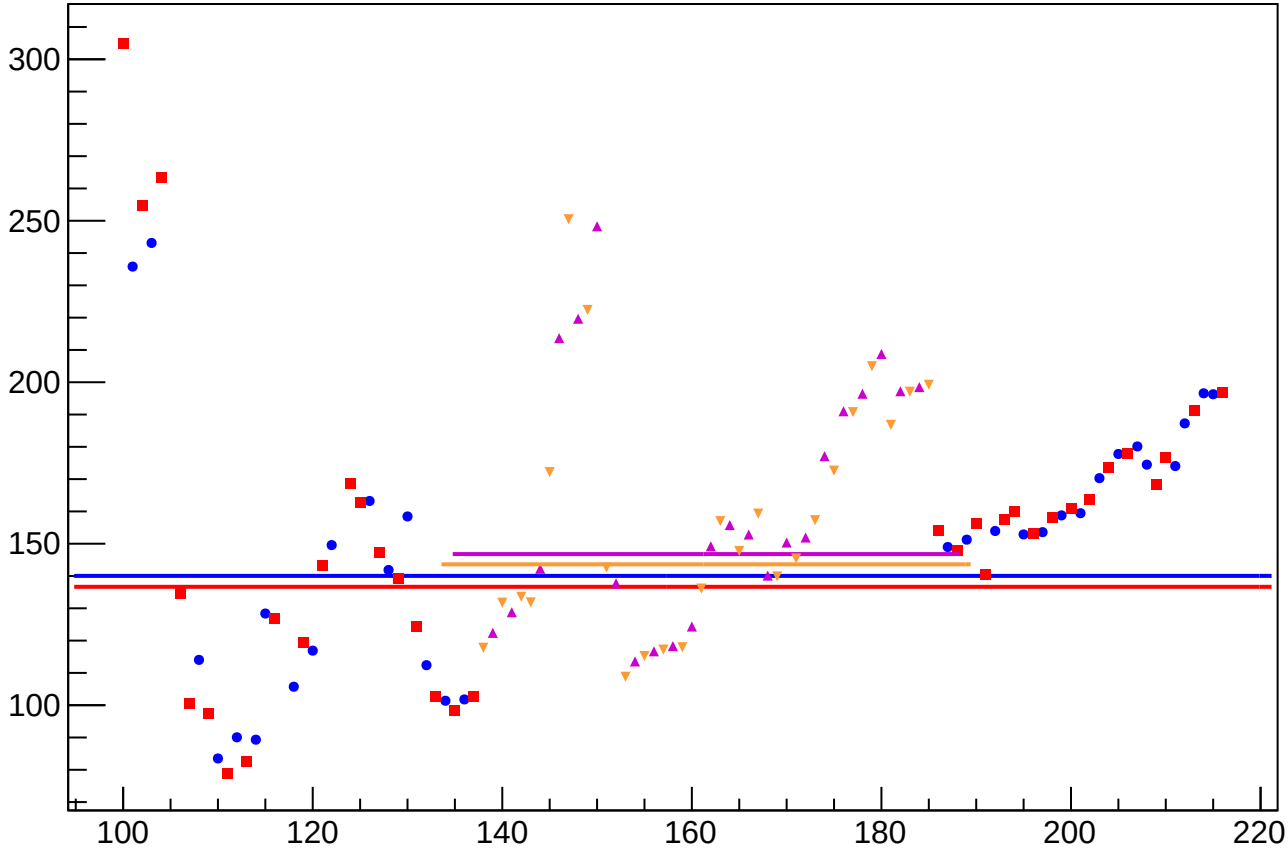
Right: 5639.654+/-23.214 χ^2/NDF: 233580.5/65

In: -183.992+/-24.333 χ^2/NDF:196719.3/53

Out: 1601.244+/-23.303 χ^2/NDF:226662.2/59

All: 747.217+/-16.830 χ^2/NDF: 426189.2/113

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: 136.657+/-0.023 χ^2/NDF: 2790041.7/34

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

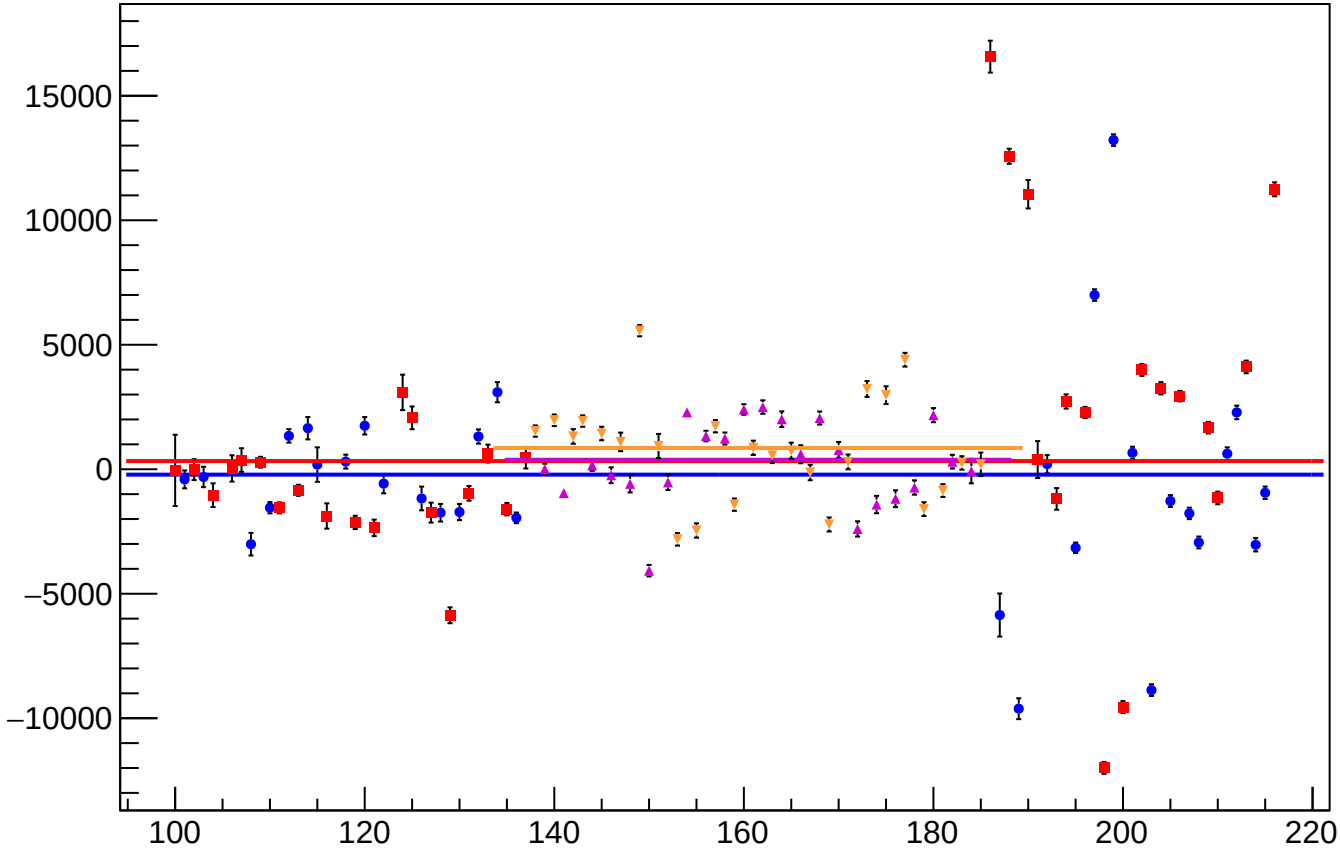
Right: 138.289+/-0.016 χ^2/NDF: 5353262.3/65

In: 143.211+/-0.017 χ^2/NDF:4285528.3/53

Out: 139.991+/-0.016 χ^2/NDF:4497455.6/59

All: 141.532+/-0.012 χ^2/NDF: 8801248.9/113

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: 328.205+/-51.303 χ^2/NDF: 10326.7/34

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

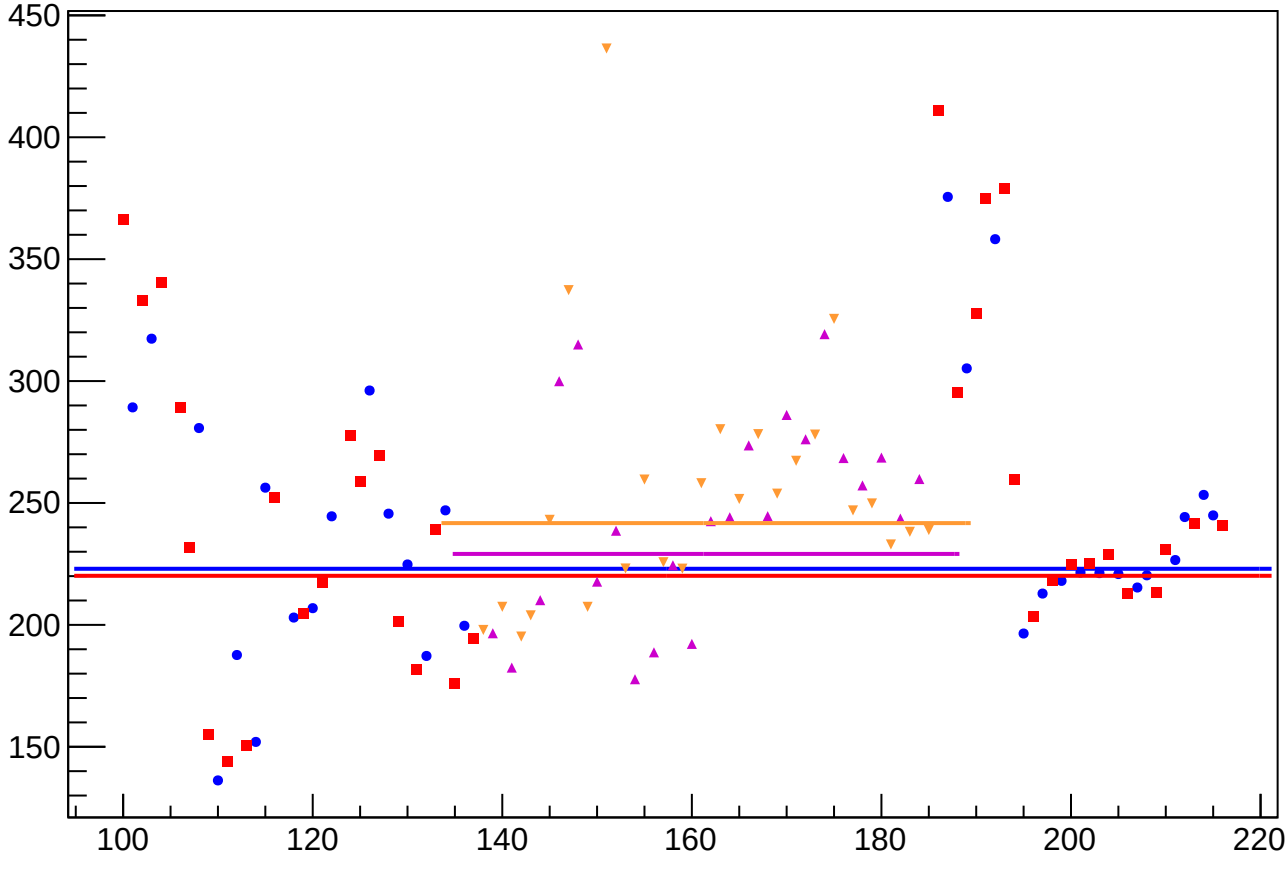
Right: 59.305+/-36.509 χ^2/NDF: 17595.5/65

In: 64.473+/-37.817 χ^2/NDF:8257.7/53

Out: 566.993+/-37.901 χ^2/NDF:11818.2/59

All: 315.175+/-26.770 χ^2/NDF: 20164.0/113

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: 220.131+/-0.036 χ^2/NDF: 1942866.9/34

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

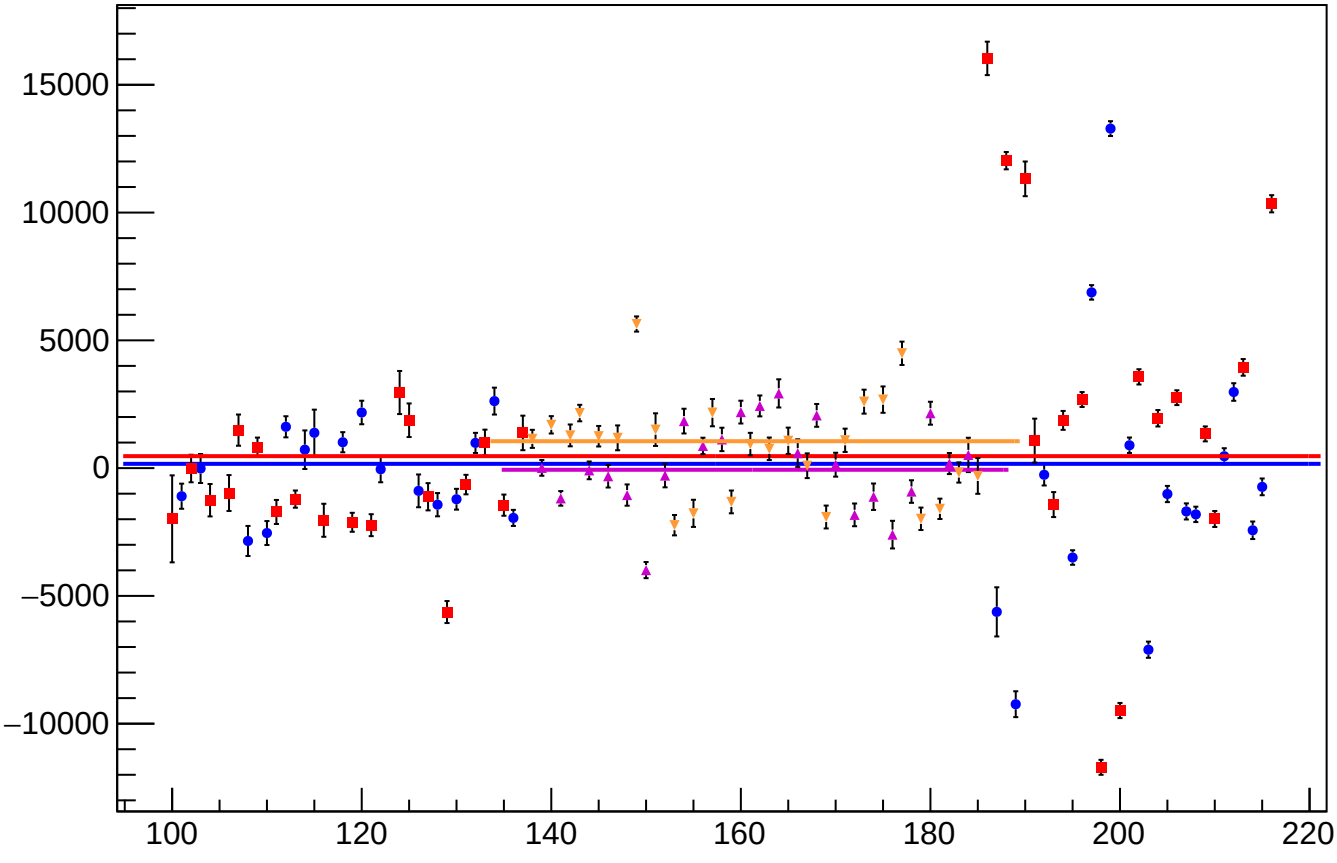
Right: 221.553+/-0.026 χ^2/NDF: 3179397.7/65

In: 225.878+/-0.027 χ^2/NDF:2315303.3/53

Out: 229.949+/-0.027 χ^2/NDF:3090513.0/59

All: 227.909+/-0.019 χ^2/NDF: 5417379.4/113

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: 468.883+/-68.710 χ^2/NDF: 6585.8/34

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

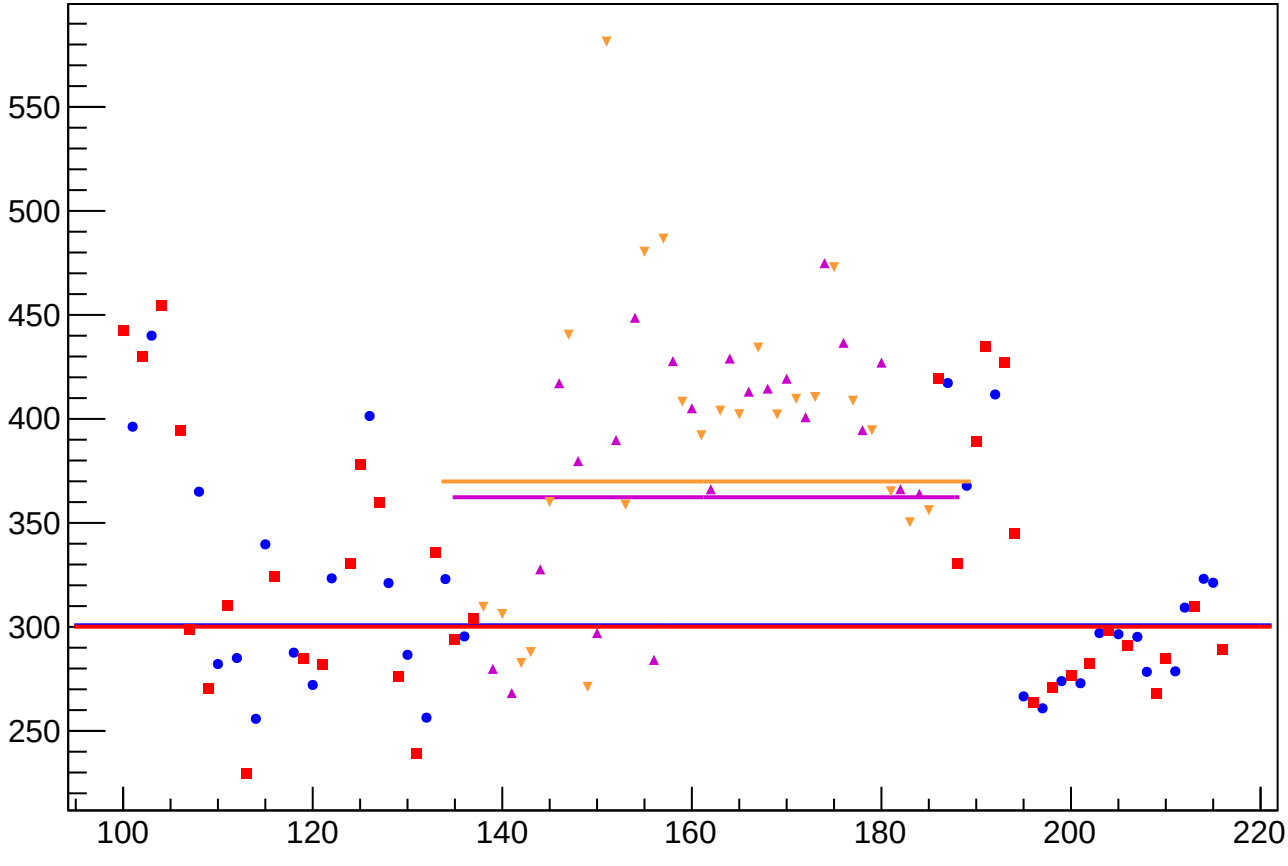
Right: 319.814+/-48.841 χ^2/NDF: 10698.9/65

In: 76.767+/-54.189 χ^2/NDF:4502.4/53

Out: 696.943+/-53.655 χ^2/NDF:7228.7/59

All: 389.923+/-38.127 χ^2/NDF: 11797.2/113

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: 300.117+/-0.049 χ^2/NDF: 956861.5/34

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

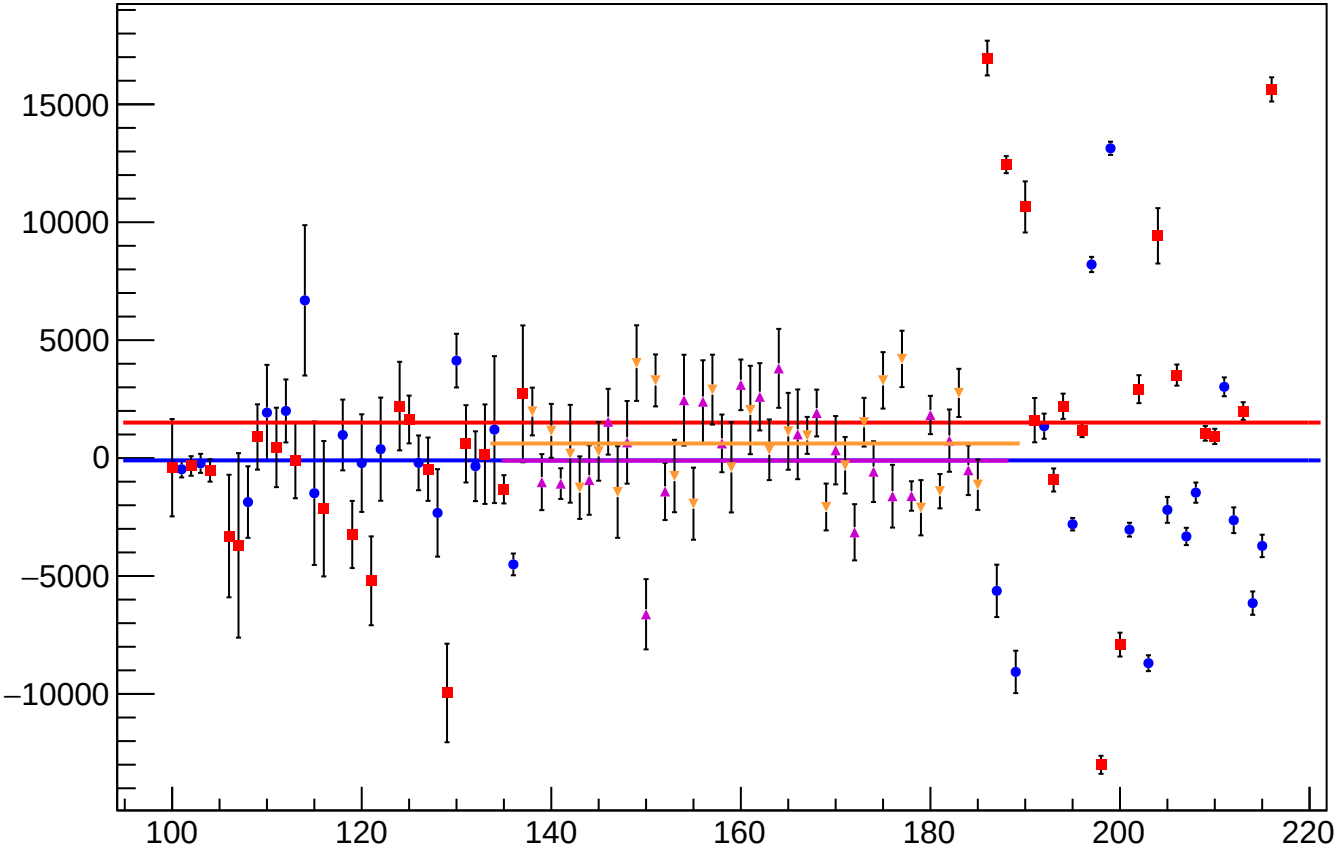
Right: 300.440+/-0.035 χ^2/NDF: 1639565.2/65

In: 324.844+/-0.038 χ^2/NDF:2350872.0/53

Out: 327.356+/-0.038 χ^2/NDF:2992660.0/59

All: 326.112+/-0.027 χ^2/NDF: 5345701.6/113

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: 1505.399+/-100.420 χ^2/NDF: 4205.6/34

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

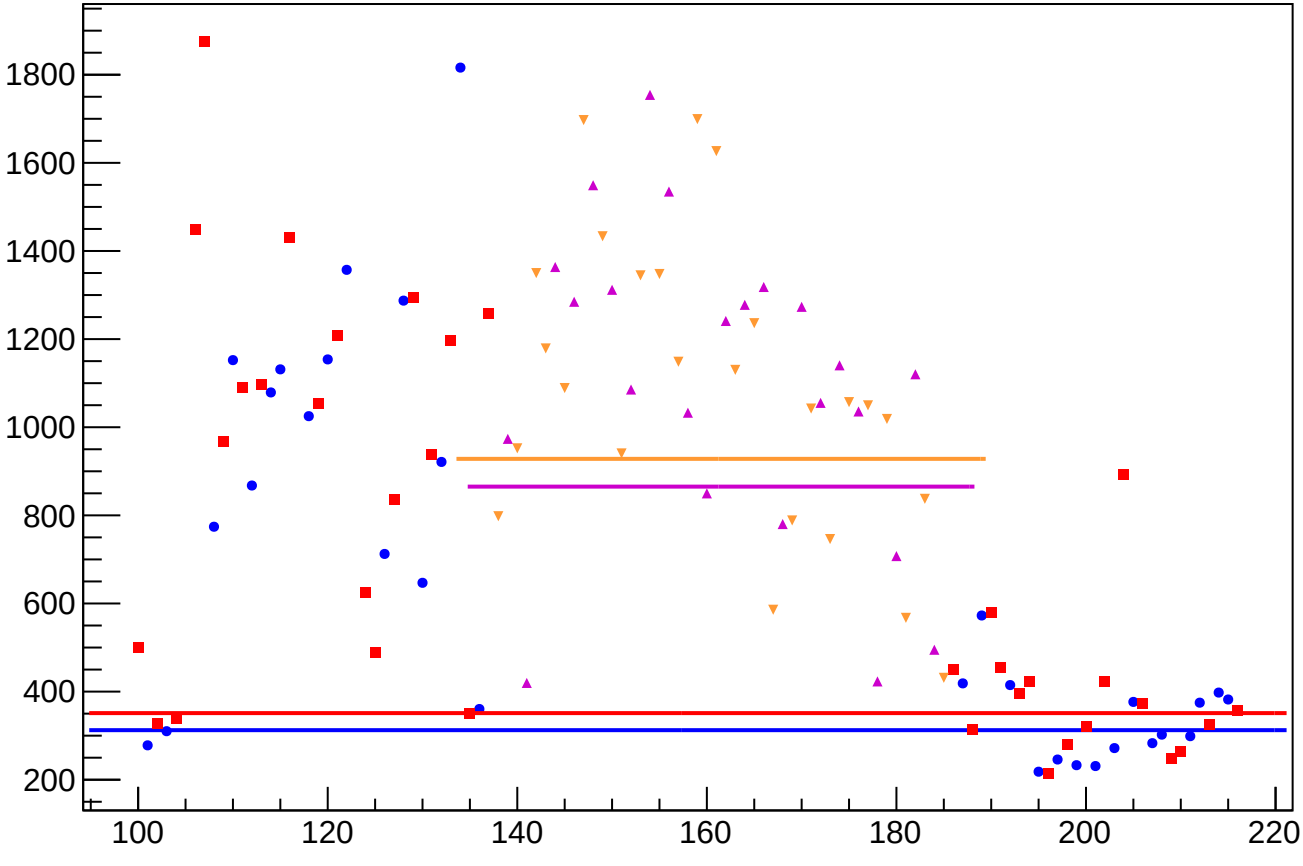
Right: 625.634+/-67.450 χ^2/NDF: 8719.5/65

In: -99.092+/-85.029 χ^2/NDF:4445.7/53

Out: 1371.518+/-92.530 χ^2/NDF:4283.1/59

All: 574.196+/-62.609 χ^2/NDF: 8865.8/113

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: 351.205+/-0.071 χ^2/NDF: 6160616.6/34

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

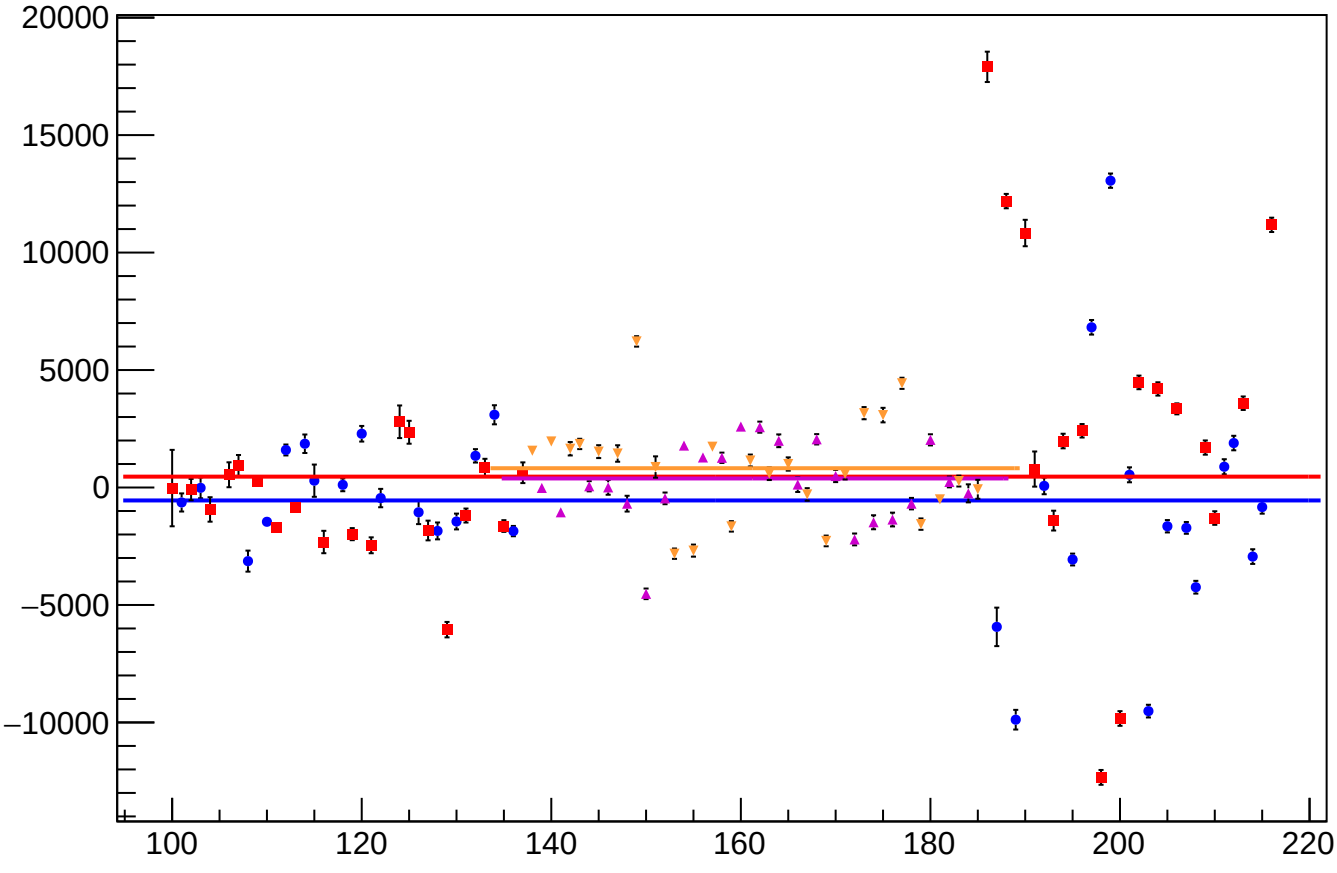
Right: 329.955+/-0.048 χ^2/NDF: 11618609.6/65

In: 383.140+/-0.060 χ^2/NDF:19509561.0/53

Out: 438.314+/-0.065 χ^2/NDF:19424552.3/59

All: 408.400+/-0.044 χ^2/NDF: 39319659.3/11

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: 462.580+/-54.063 χ^2/NDF: 8213.7/34

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

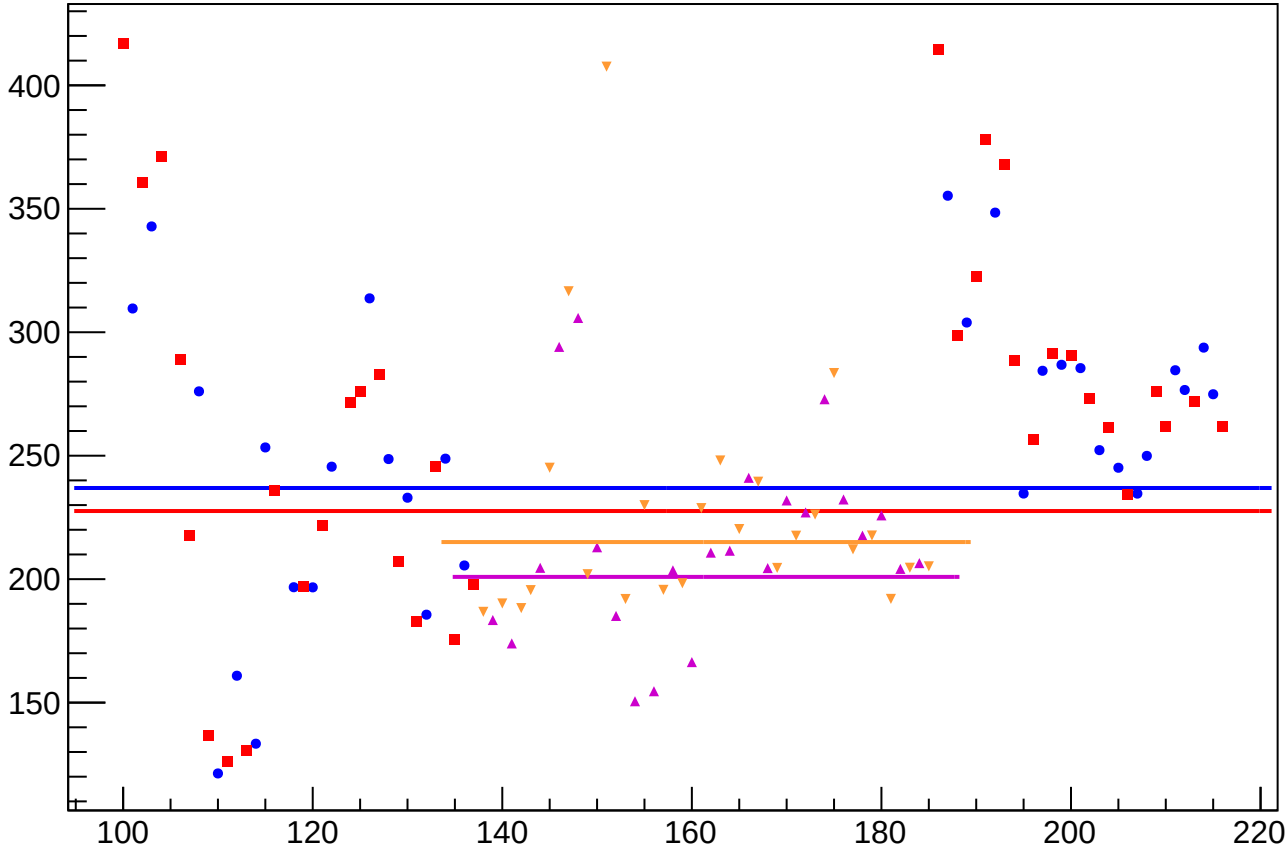
Right: -26.696+/-38.883 χ^2/NDF: 13499.1/65

In: -16.026+/-36.632 χ^2/NDF:6529.0/53

Out: 655.680+/-36.706 χ^2/NDF:10228.1/59

All: 319.148+/-25.929 χ^2/NDF: 16924.9/113

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: 227.592+/-0.038 χ^2/NDF: 3253267.3/34

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

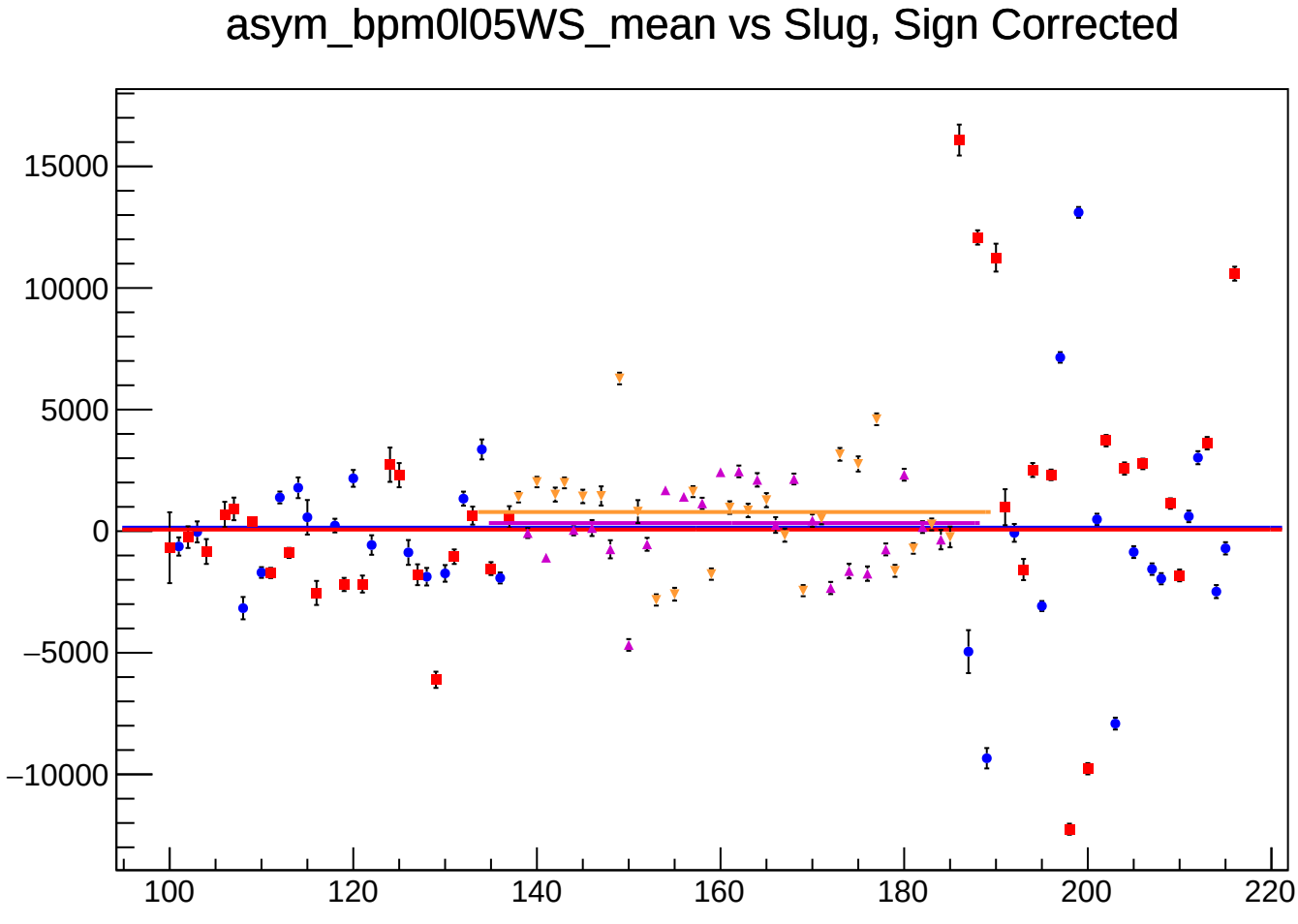
Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

Right: 232.095+/-0.027 χ^2/NDF: 5346813.9/65

In: 216.343+/-0.026 χ^2/NDF:3643752.6/53

Out: 220.819+/-0.026 χ^2/NDF:4209292.9/59

All: 218.576+/-0.018 χ^2/NDF: 7867946.1/113



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: 65.659+/-50.677 χ^2/NDF: 10447.3/34

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

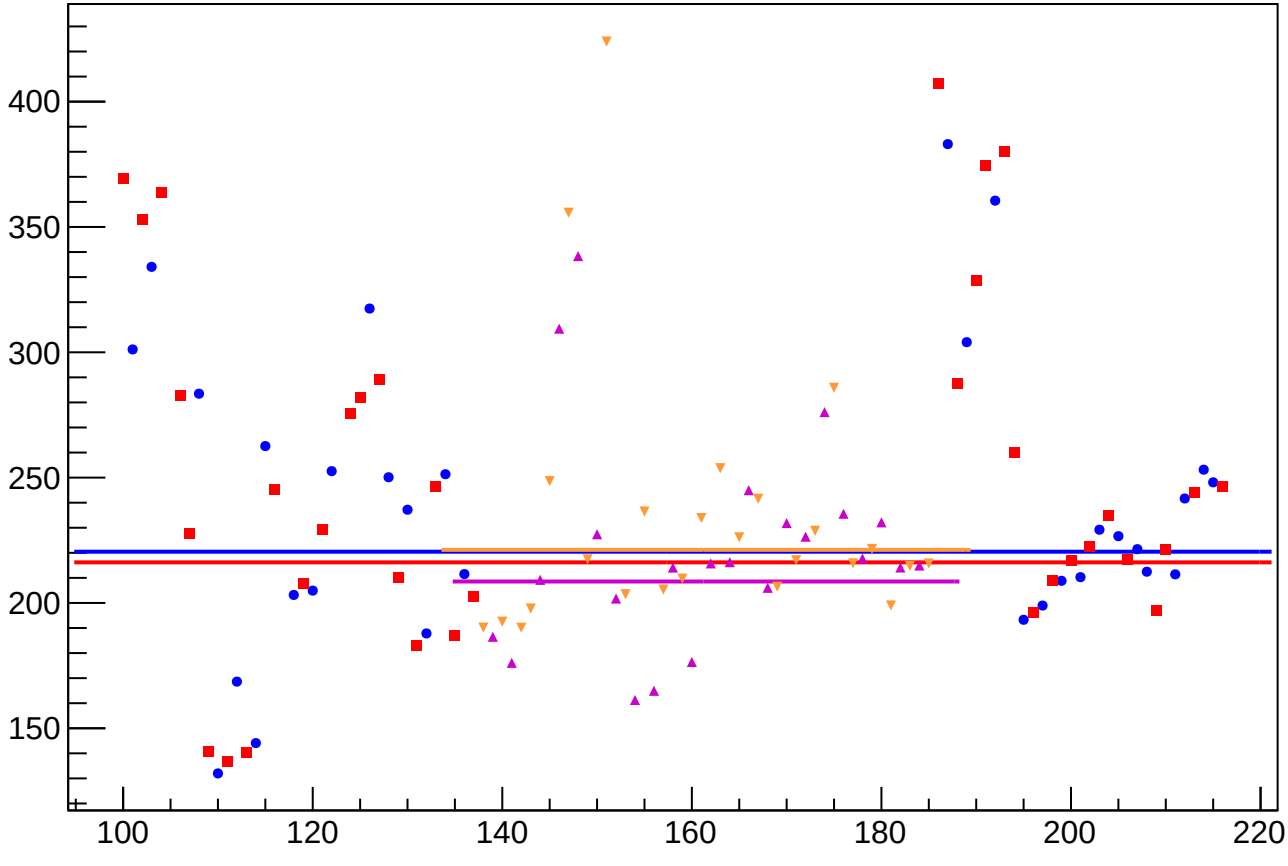
Right: 103.835+/-36.141 χ^2/NDF: 17605.9/65

In: 240.869+/-35.965 χ^2/NDF:8379.7/53

Out: 421.598+/-36.095 χ^2/NDF:12437.6/59

All: 330.906+/-25.477 χ^2/NDF: 20829.9/113

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: 216.191+/-0.036 χ^2/NDF: 2329482.7/34

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

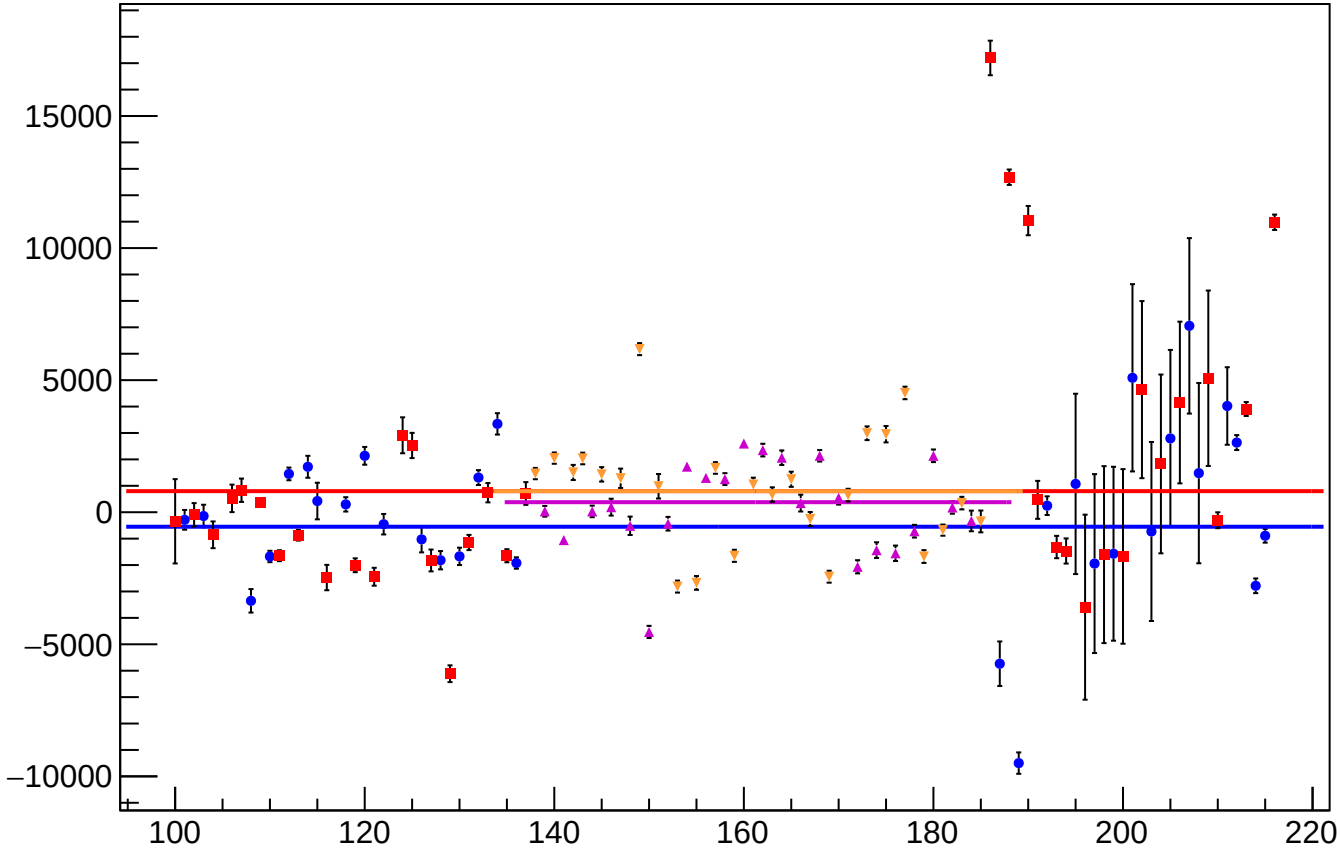
Right: 218.281+/-0.026 χ^2/NDF: 3823977.5/65

In: 214.341+/-0.025 χ^2/NDF:2577805.5/53

Out: 218.652+/-0.026 χ^2/NDF:3278573.1/59

All: 216.489+/-0.018 χ^2/NDF: 5870689.2/113

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: 797.959+/-62.879 χ^2/NDF: 5218.3/34

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

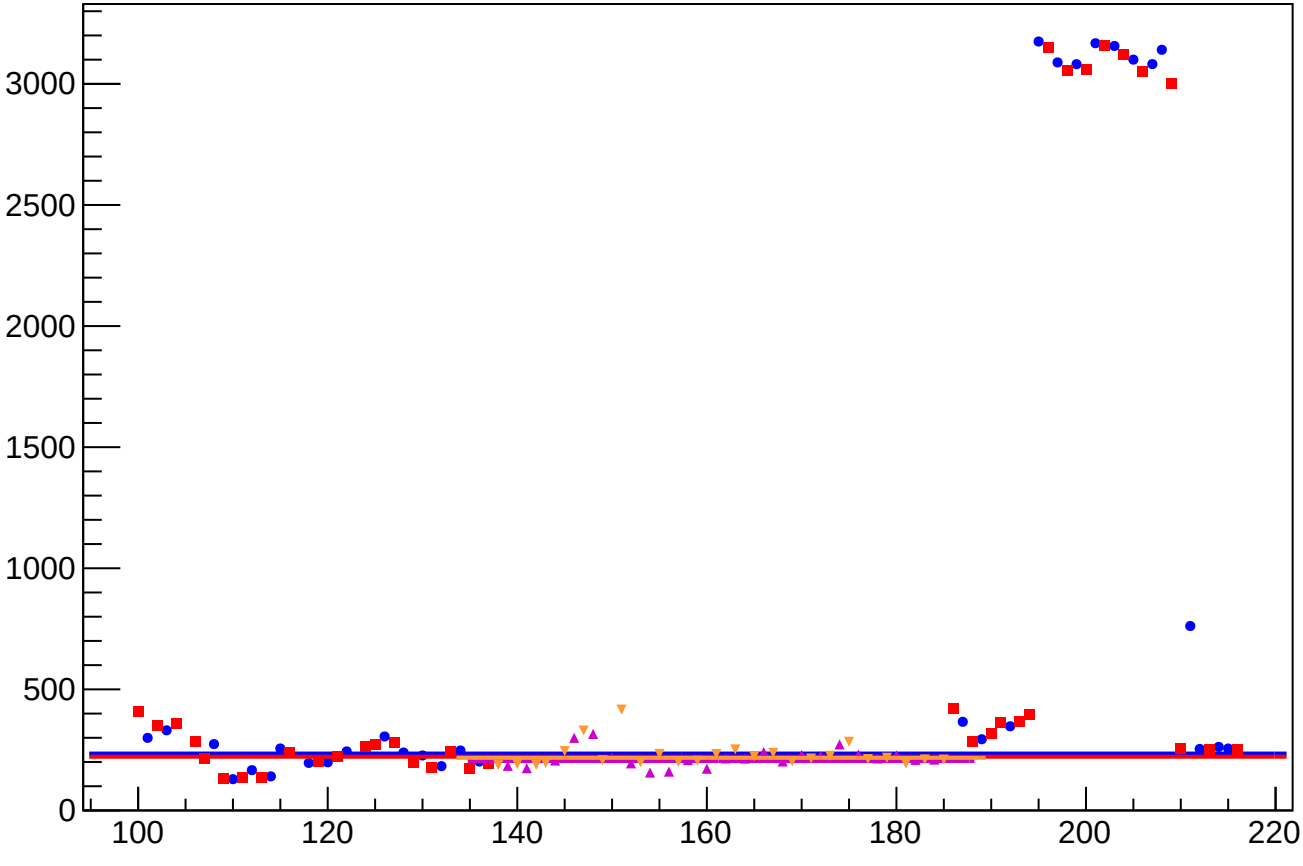
Right: 183.406+/-46.371 χ^2/NDF: 6617.3/65

In: 64.568+/-39.983 χ^2/NDF:2511.7/53

Out: 797.665+/-39.371 χ^2/NDF:7179.2/59

All: 436.765+/-28.053 χ^2/NDF: 9861.5/113

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: 221.844+/-0.044 χ^2/NDF: 13174582.8/34

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

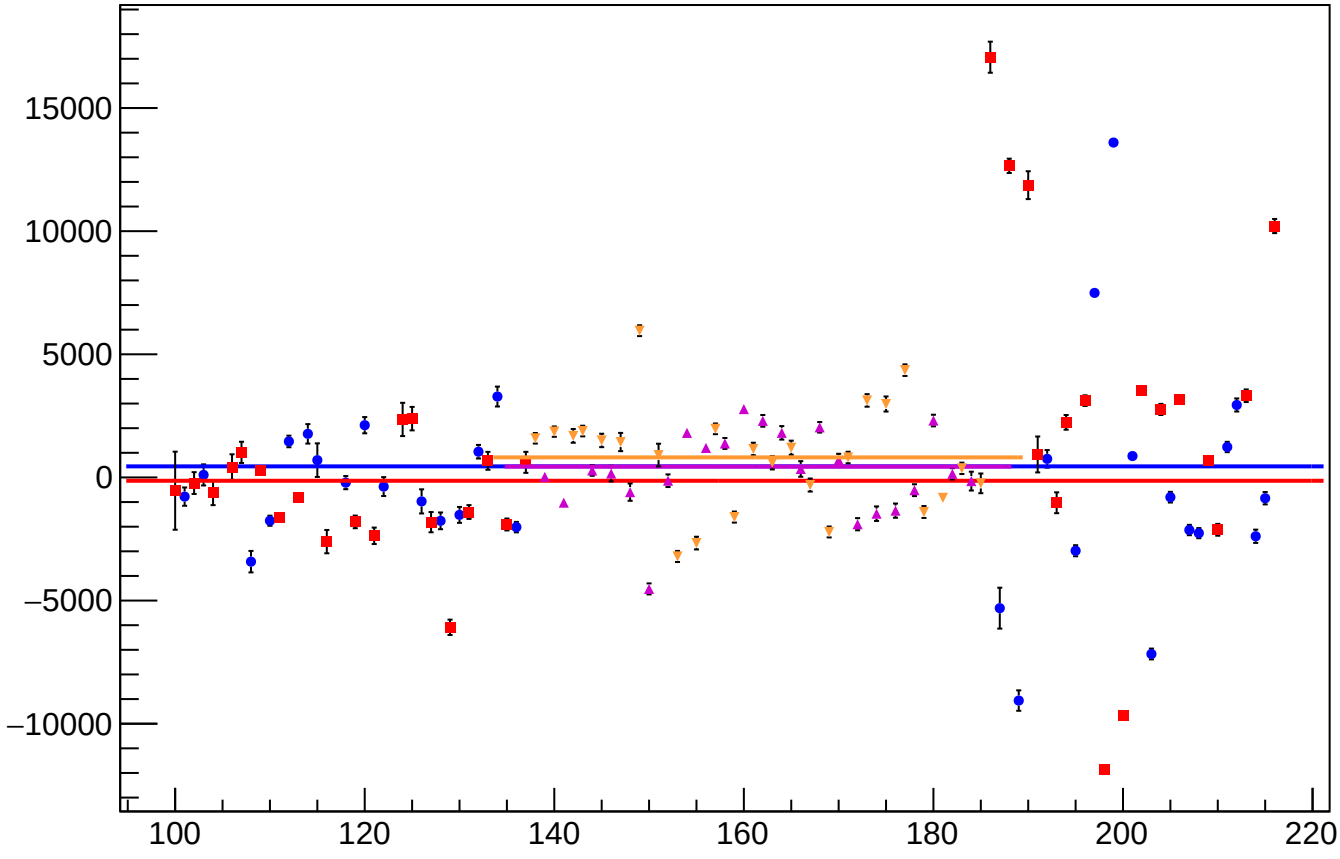
Right: 227.832+/-0.033 χ^2/NDF: 26593674.0/65

In: 214.707+/-0.028 χ^2/NDF:14658011.7/53

Out: 219.035+/-0.028 χ^2/NDF:14091589.2/59

All: 216.905+/-0.020 χ^2/NDF: 28761500.1/11

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: -135.428+/-47.379 χ^2/NDF: 12269.6/34

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

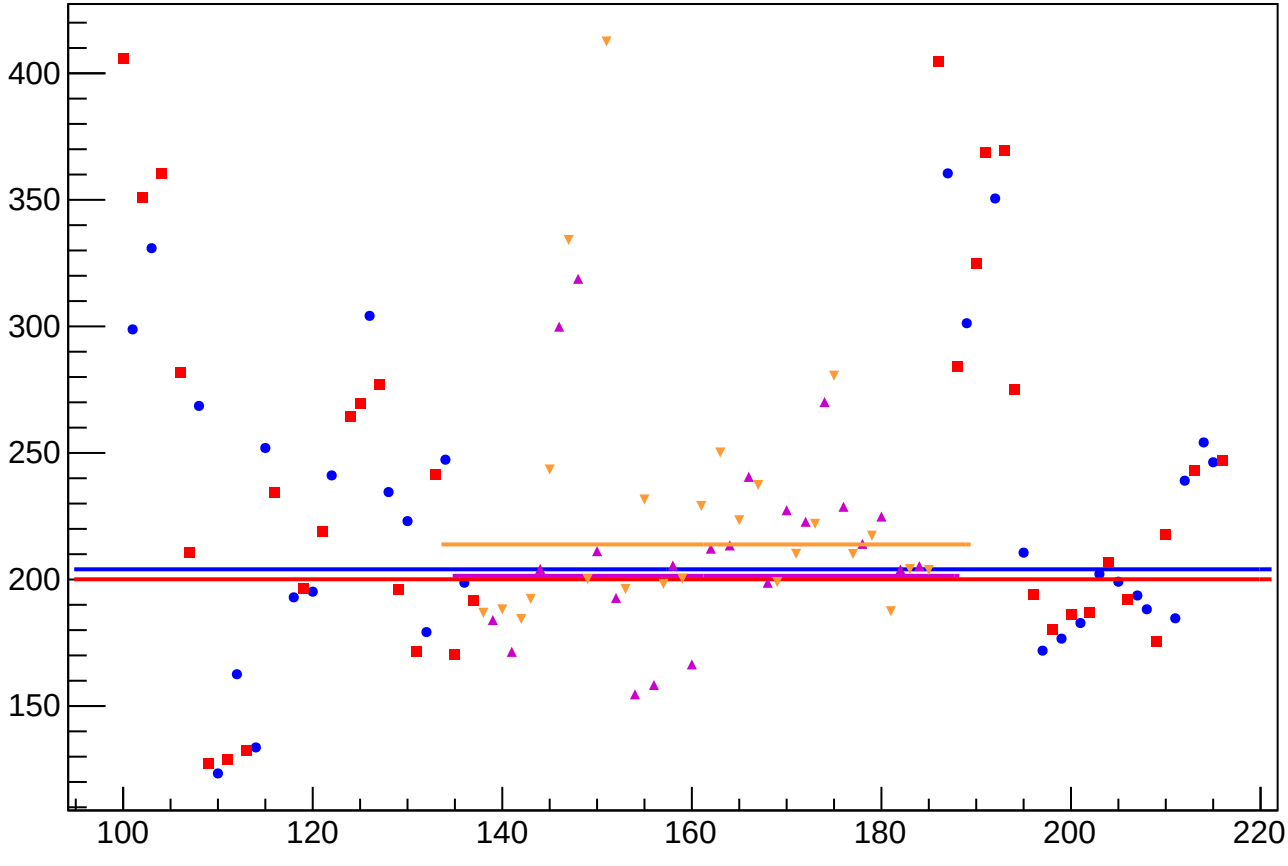
Right: 152.075+/-33.785 χ^2/NDF: 21700.8/65

In: 444.624+/-34.197 χ^2/NDF:10591.2/53

Out: 316.164+/-34.313 χ^2/NDF:14461.1/59

All: 380.611+/-24.222 χ^2/NDF: 25059.3/113

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: 200.080+/-0.034 χ^2/NDF: 2794798.5/34

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

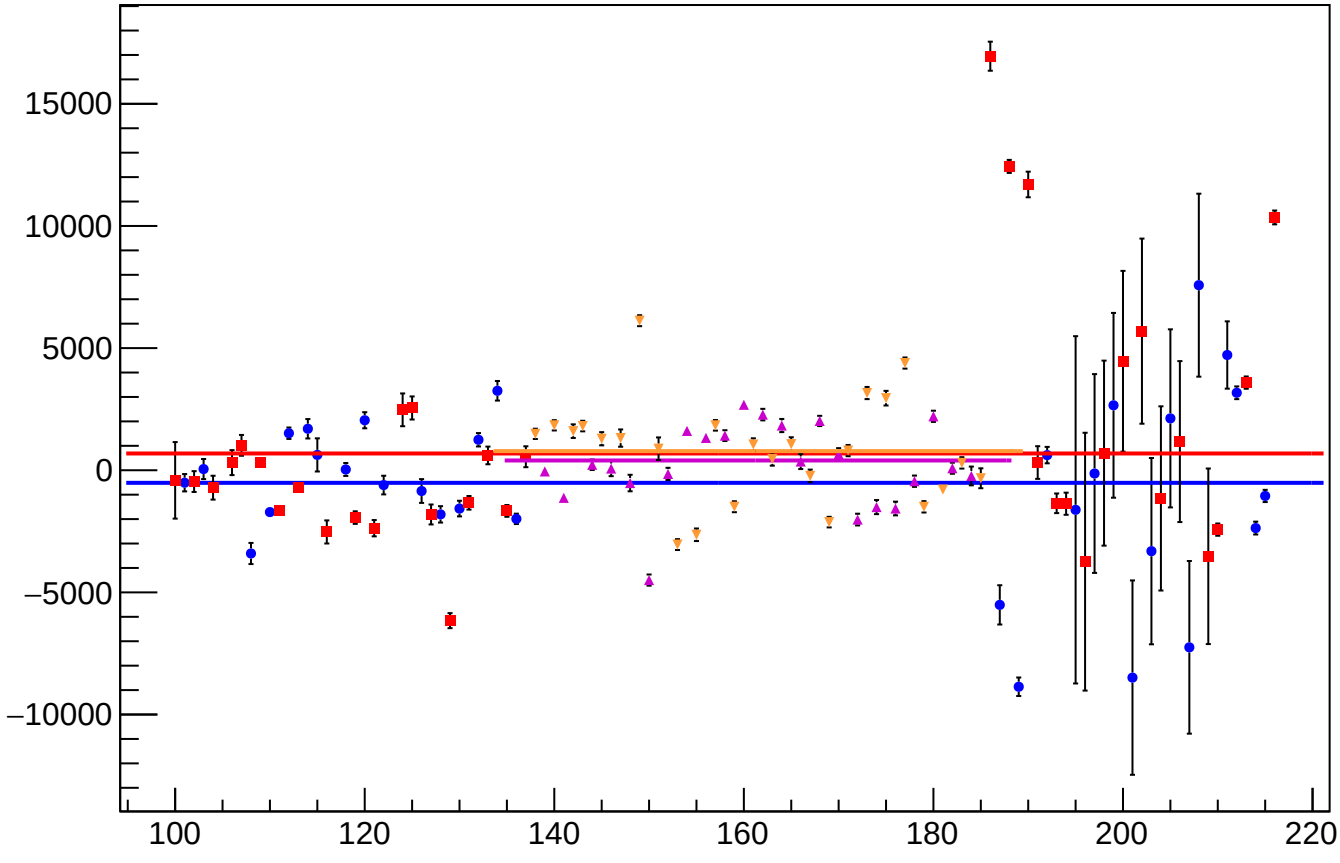
Right: 202.020+/-0.024 χ^2/NDF: 4600681.3/65

In: 202.745+/-0.024 χ^2/NDF:2863883.7/53

Out: 206.627+/-0.024 χ^2/NDF:3838685.6/59

All: 204.679+/-0.017 χ^2/NDF: 6715411.0/113

asym_bpm0l08WS_mean vs Slug, Sign Corrected



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: 686.505+/-59.975 χ^2/NDF: 5791.5/34

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

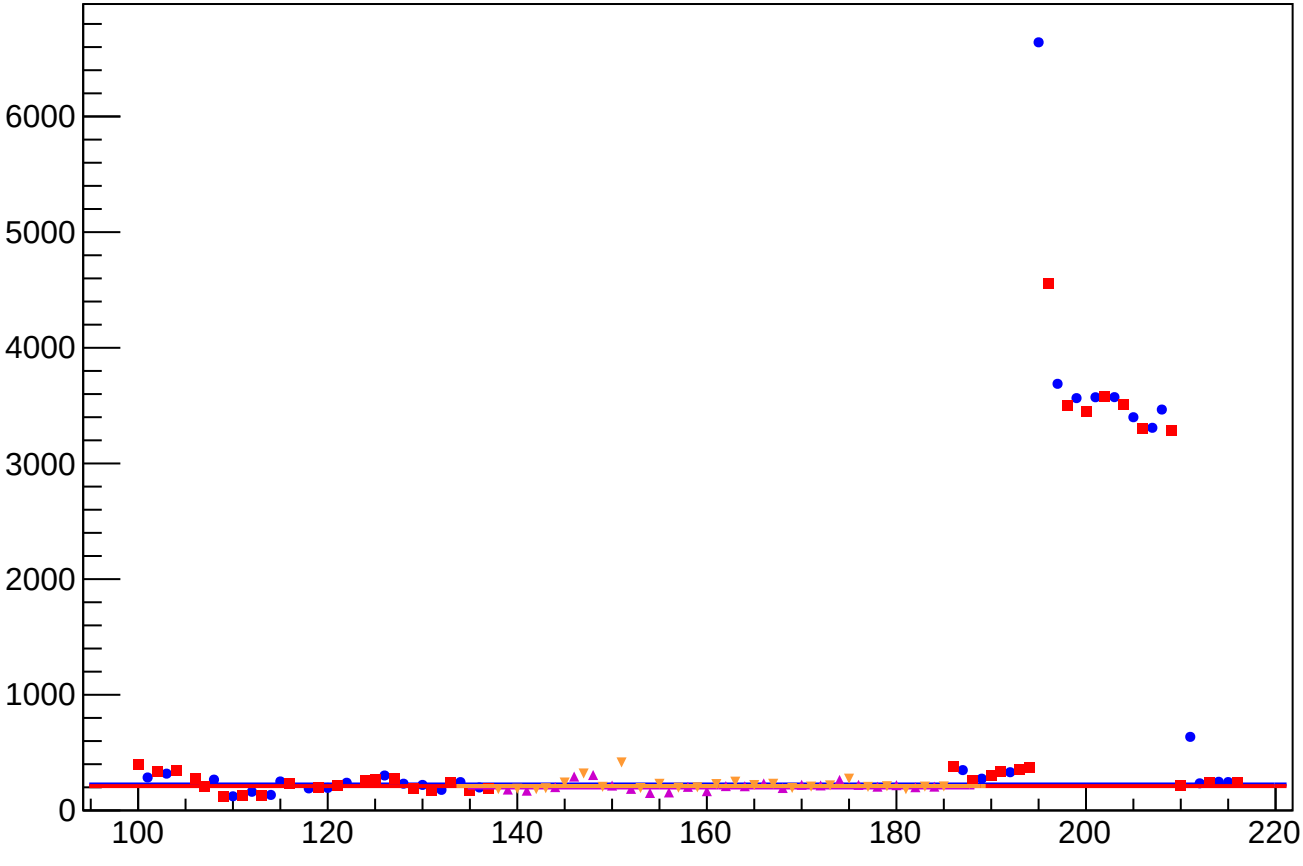
Right: 144.373+/-44.438 χ^2/NDF: 7249.7/65

In: 85.772+/-38.757 χ^2/NDF:2634.8/53

Out: 743.820+/-38.038 χ^2/NDF:7794.3/59

All: 420.957+/-27.148 χ^2/NDF: 10575.9/113

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: 210.526+/-0.042 χ^2/NDF: 13432829.8/34

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

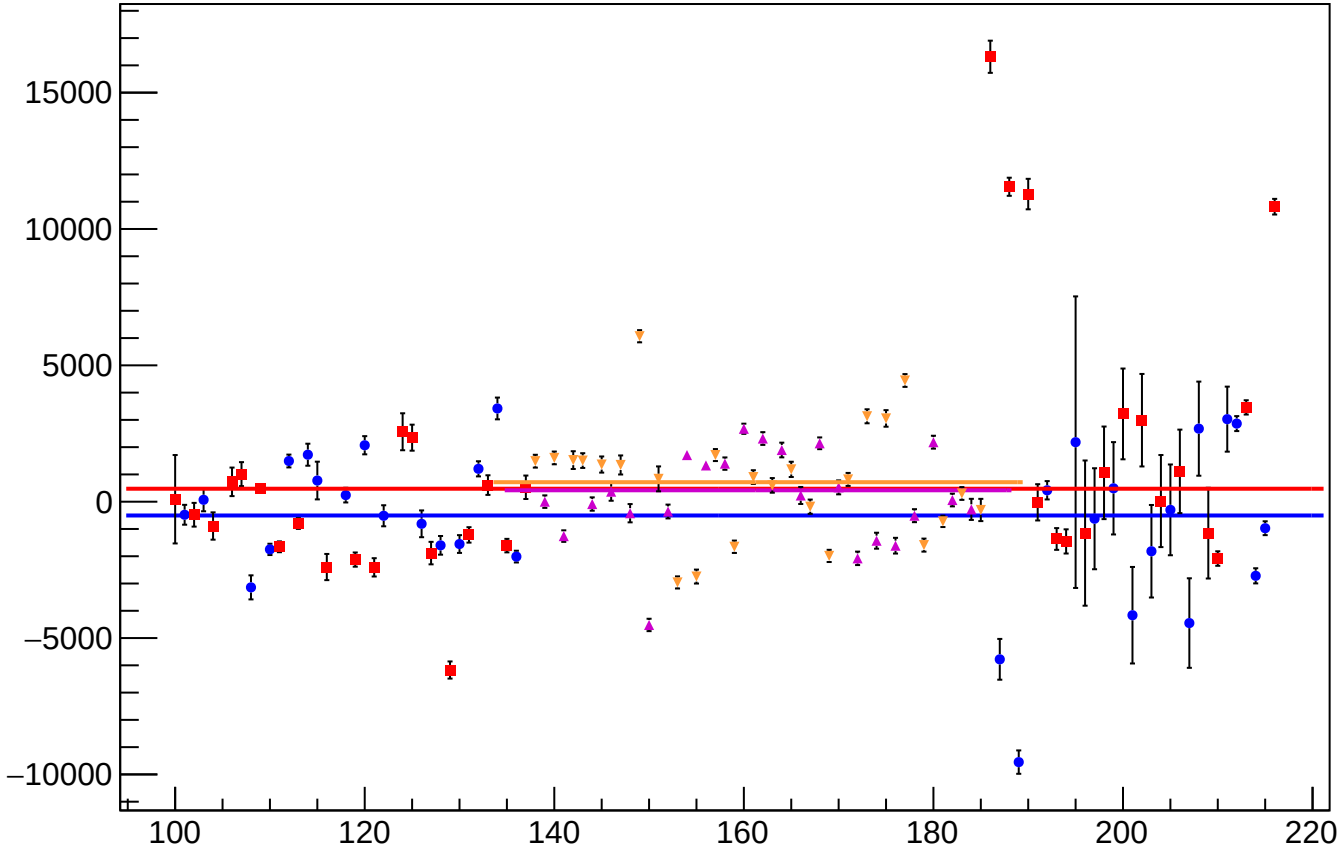
Right: 216.883+/-0.031 χ^2/NDF: 27242396.7/65

In: 207.478+/-0.027 χ^2/NDF:14970559.8/53

Out: 211.105+/-0.027 χ^2/NDF:14368121.0/59

All: 209.326+/-0.019 χ^2/NDF: 29347606.4/11

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: 475.600+/-61.561 χ^2/NDF: 4766.8/34

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

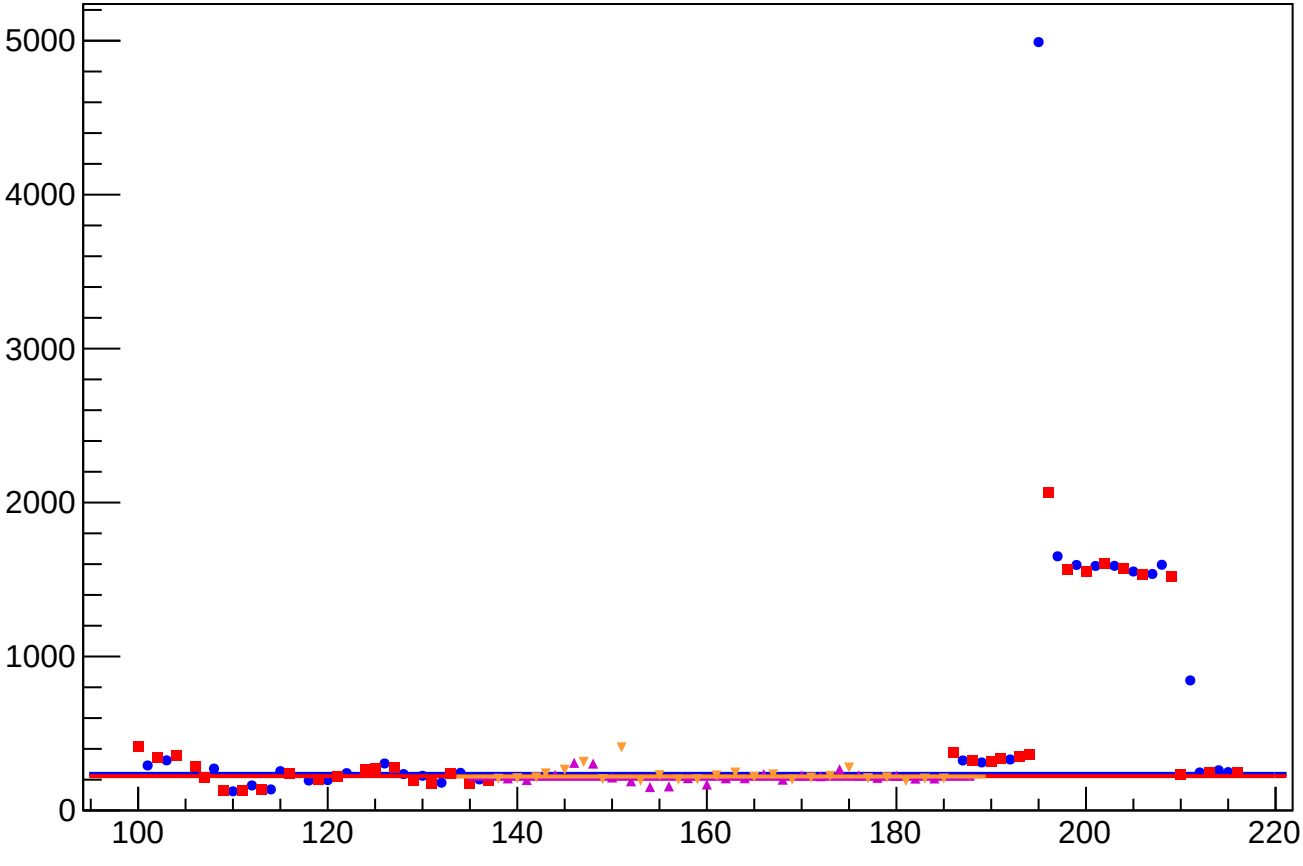
Right: 28.181+/-45.403 χ^2/NDF: 6077.3/65

In: 93.556+/-39.874 χ^2/NDF:2558.0/53

Out: 617.698+/-39.324 χ^2/NDF:6693.8/59

All: 359.267+/-27.998 χ^2/NDF: 9339.4/113

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: 222.915+/-0.044 χ^2/NDF: 11624027.5/34

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

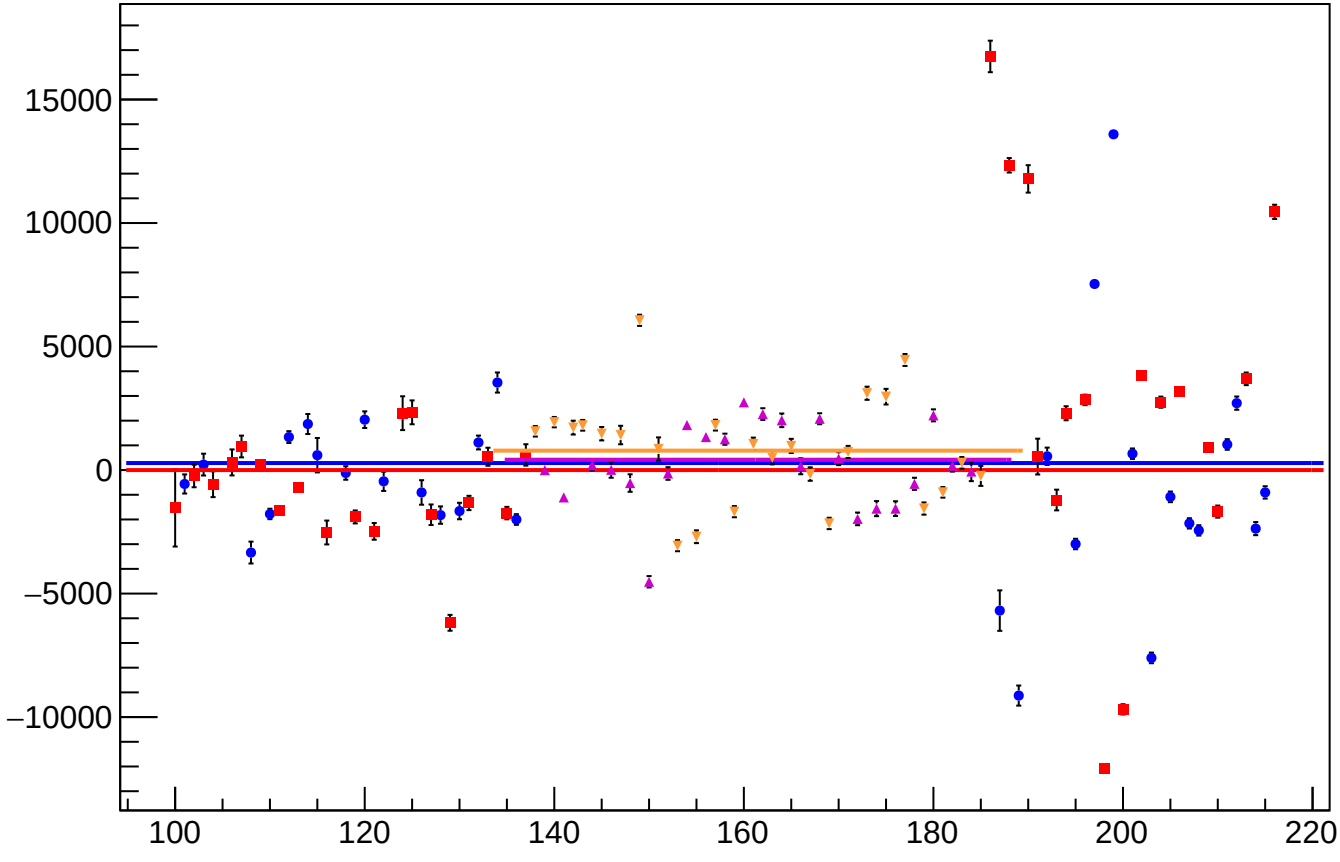
Right: 229.663+/-0.032 χ^2/NDF: 23997994.5/65

In: 216.818+/-0.028 χ^2/NDF:13633194.7/53

Out: 221.275+/-0.028 χ^2/NDF:12426124.8/59

All: 219.078+/-0.020 χ^2/NDF: 26071990.0/1

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 284.316+/-48.647 χ^2/NDF: 9328.0/30

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -0.482+/-48.098 χ^2/NDF: 11955.7/34

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

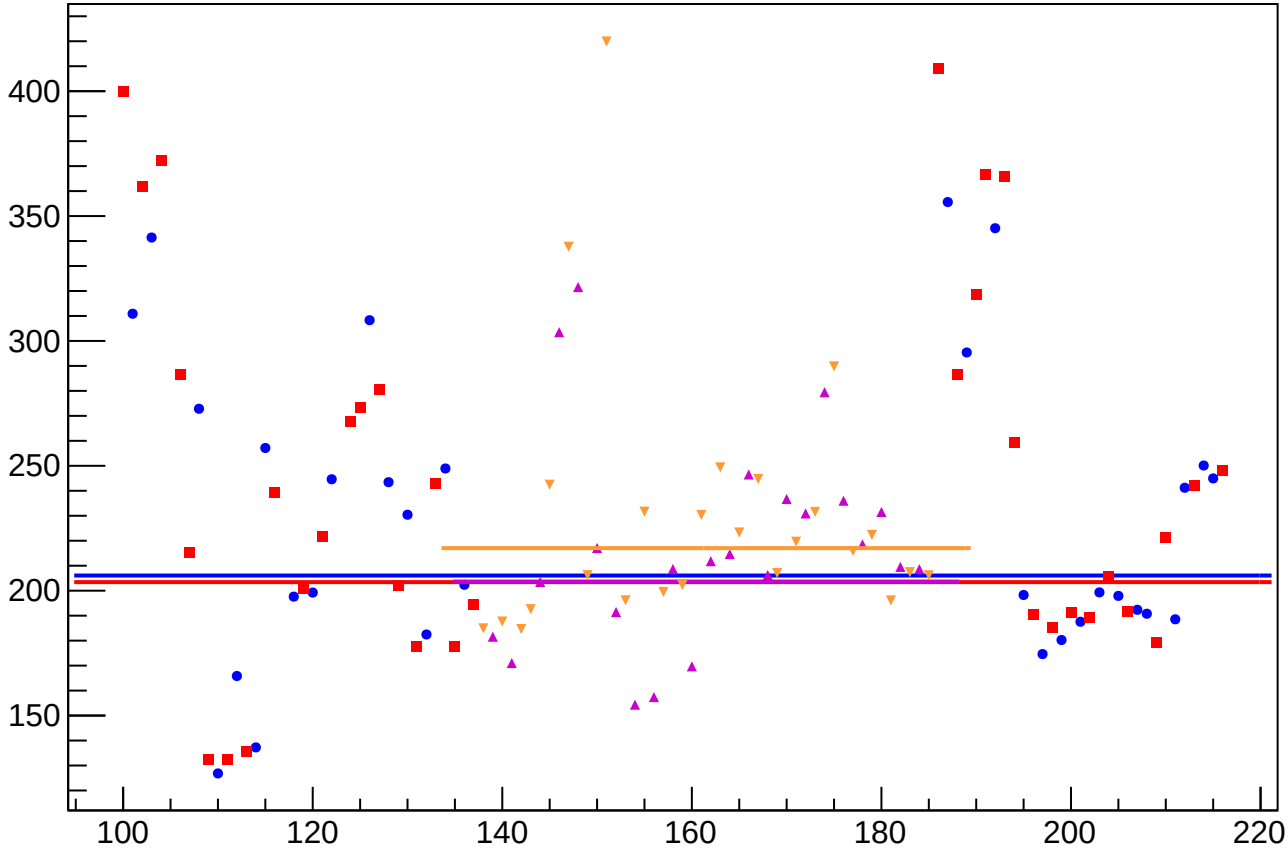
Right: 140.301+/-34.203 χ^2/NDF: 21301.1/65

In: 350.875+/-34.576 χ^2/NDF:10542.8/53

Out: 373.862+/-34.836 χ^2/NDF:14020.7/59

All: 362.282+/-24.540 χ^2/NDF: 24563.7/113

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: 203.429+/-0.034 χ^2/NDF: 2618518.4/34

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

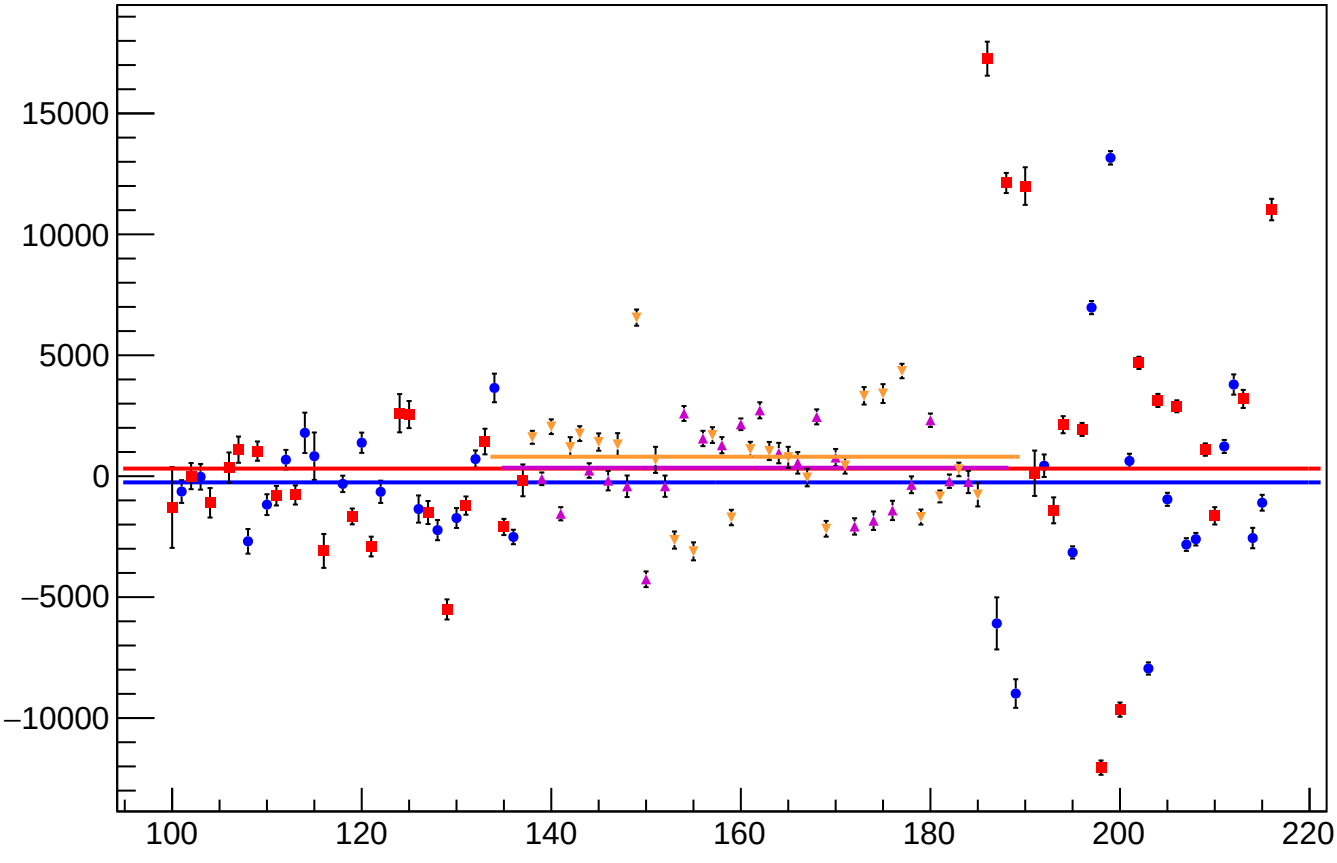
Right: 204.734+/-0.024 χ^2/NDF: 4343115.0/65

In: 204.877+/-0.024 χ^2/NDF:2889380.2/53

Out: 209.900+/-0.025 χ^2/NDF:3677828.7/59

All: 207.370+/-0.017 χ^2/NDF: 6588153.2/113

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: 314.509+/-66.645 χ^2/NDF: 6232.0/34

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

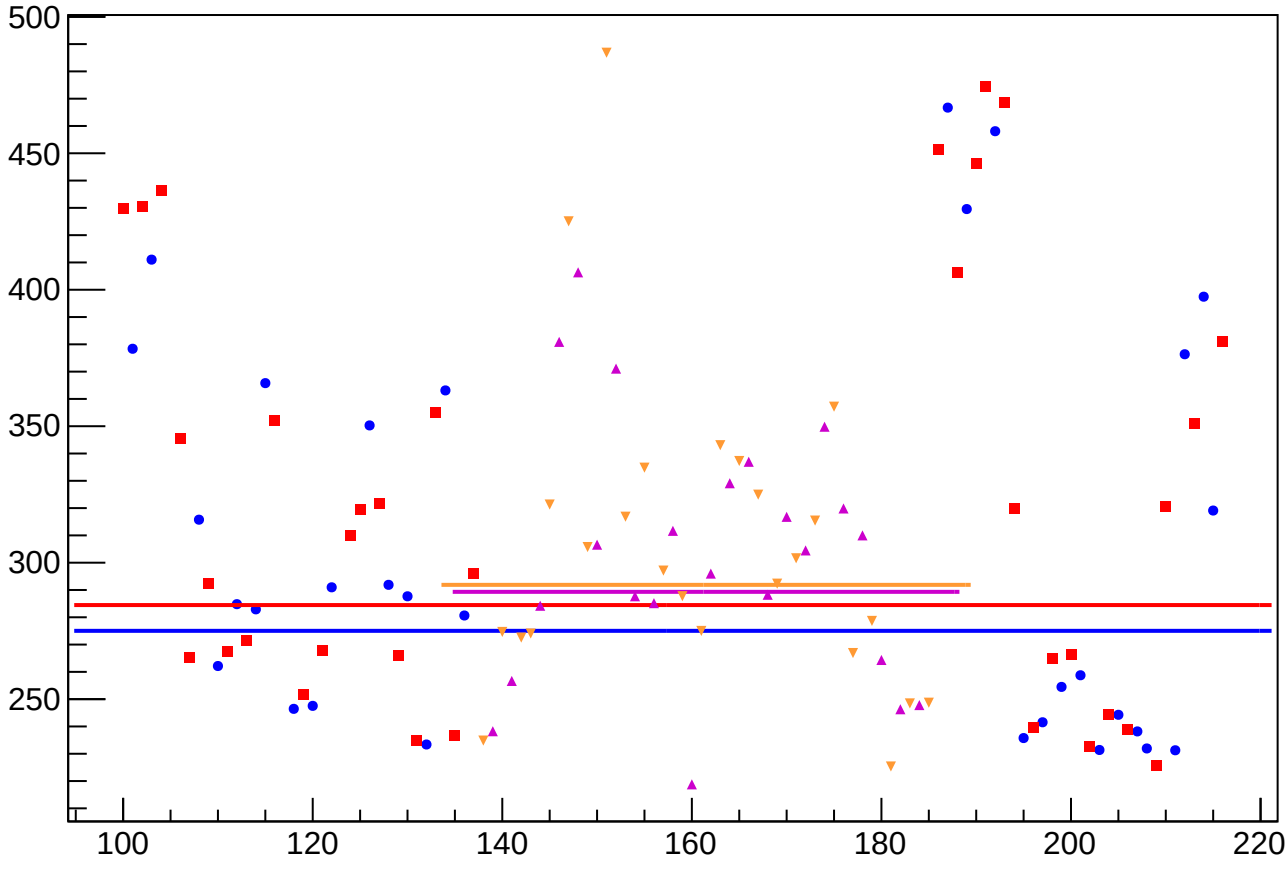
Right: 22.643+/-46.553 χ^2/NDF: 11149.8/65

In: 29.579+/-47.329 χ^2/NDF:5577.3/53

Out: 555.315+/-47.491 χ^2/NDF:7316.2/59

All: 291.548+/-33.524 χ^2/NDF: 12955.0/113

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: 284.476+/-0.047 χ^2/NDF: 1750906.5/34

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

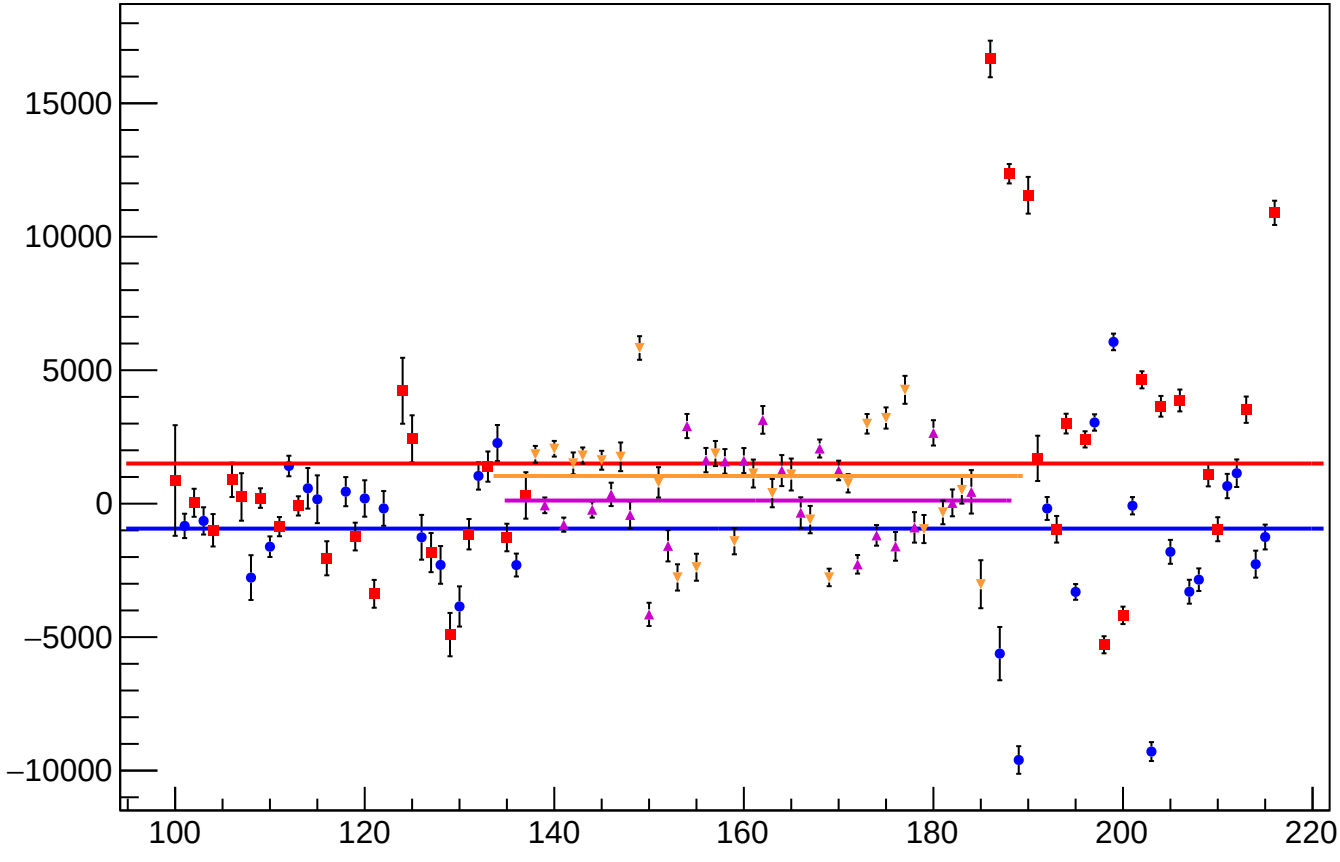
Right: 279.641+/-0.033 χ^2/NDF: 3329533.3/65

In: 281.759+/-0.033 χ^2/NDF:2412080.2/53

Out: 288.121+/-0.034 χ^2/NDF:2722982.5/59

All: 284.929+/-0.024 χ^2/NDF: 5153075.1/113

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: 1503.980+/-80.157 χ^2/NDF: 3423.7/34

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

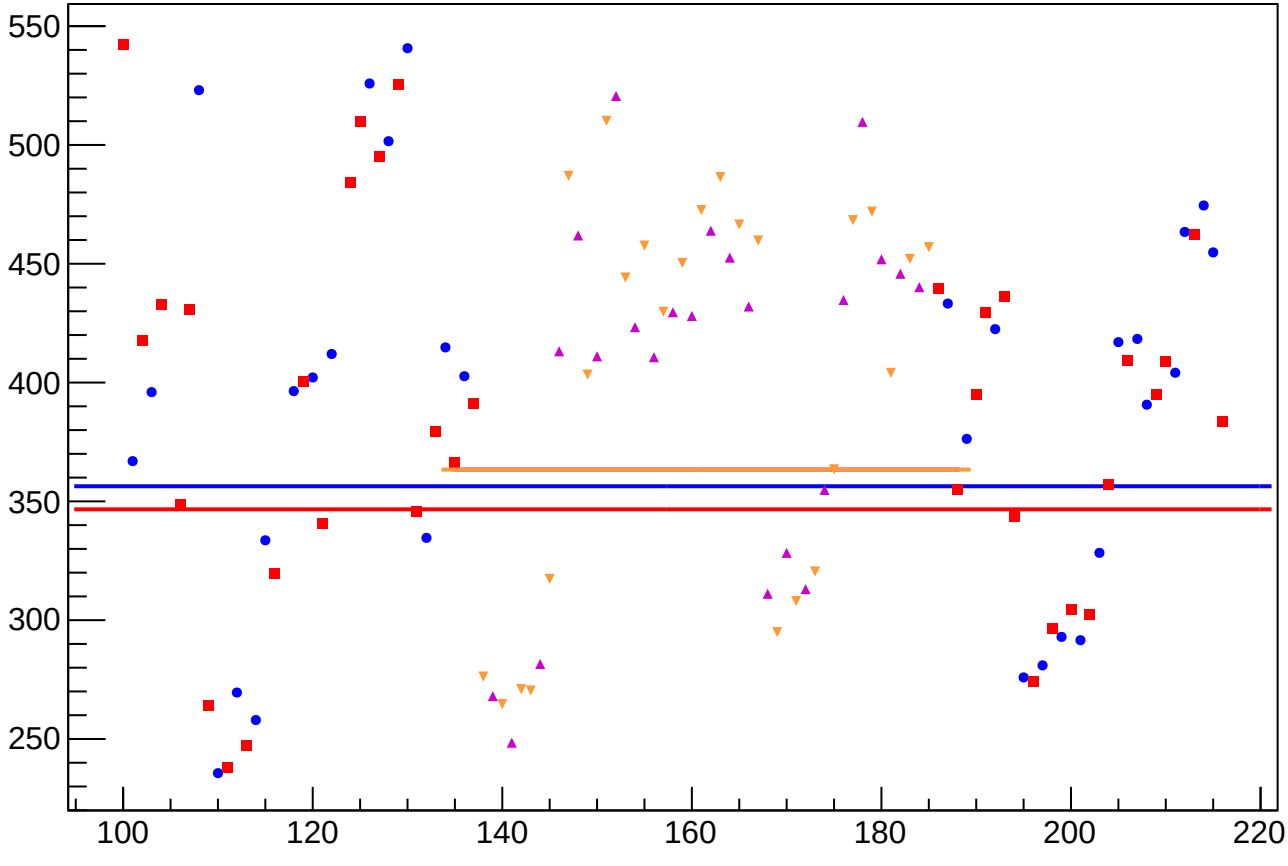
Right: 333.396+/-57.793 χ^2/NDF: 5692.3/65

In: -433.316+/-60.359 χ^2/NDF:2270.4/53

Out: 1284.875+/-58.381 χ^2/NDF:4009.8/59

All: 454.392+/-41.963 χ^2/NDF: 6698.9/113

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: 346.653+/-0.057 χ^2/NDF: 1461117.1/34

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

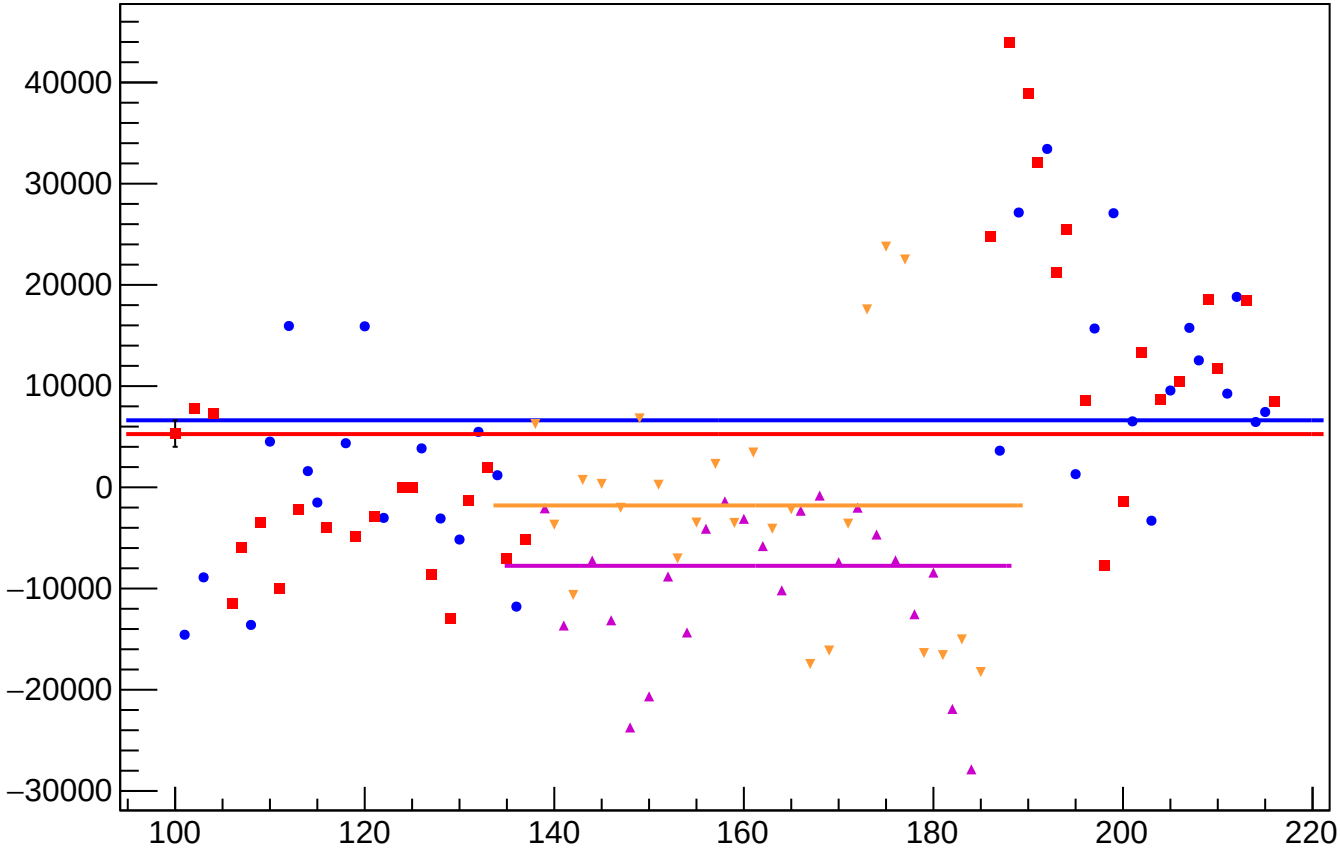
Right: 351.316+/-0.041 χ^2/NDF: 3163661.4/65

In: 359.709+/-0.043 χ^2/NDF:3406793.0/53

Out: 354.510+/-0.041 χ^2/NDF:3442542.7/59

All: 357.023+/-0.030 χ^2/NDF: 6857003.0/113

asym_bpm0i02WS_mean vs Slug, Sign Corrected



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: 5259.429+/-37.280 χ^2/NDF: 147172.3/34

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

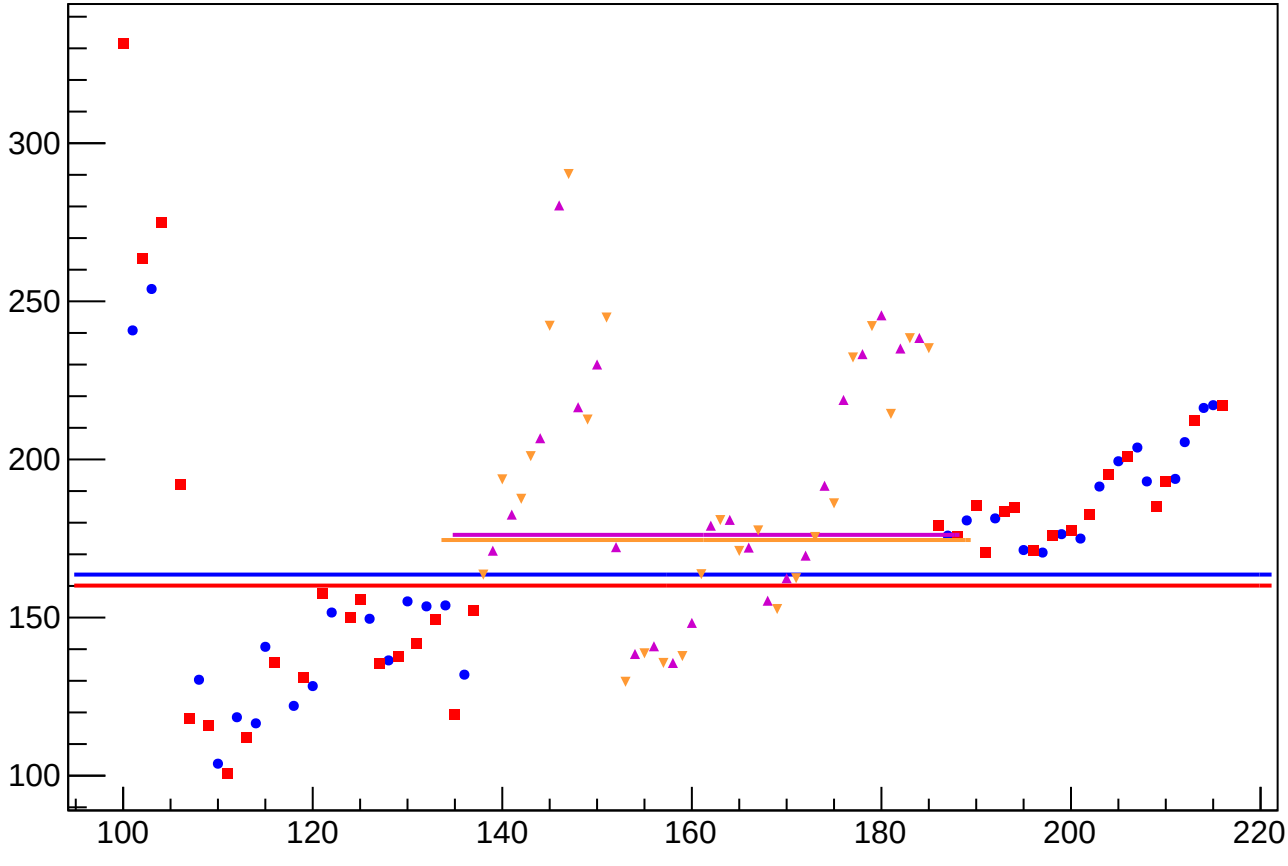
Right: 5918.925+/-26.780 χ^2/NDF: 244527.0/65

In: 155.093+/-28.552 χ^2/NDF:182730.7/53

Out: 2061.158+/-27.555 χ^2/NDF:229141.4/59

All: 1141.987+/-19.827 χ^2/NDF: 414179.6/11

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: 160.112+/-0.026 χ^2/NDF: 1934130.3/34

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

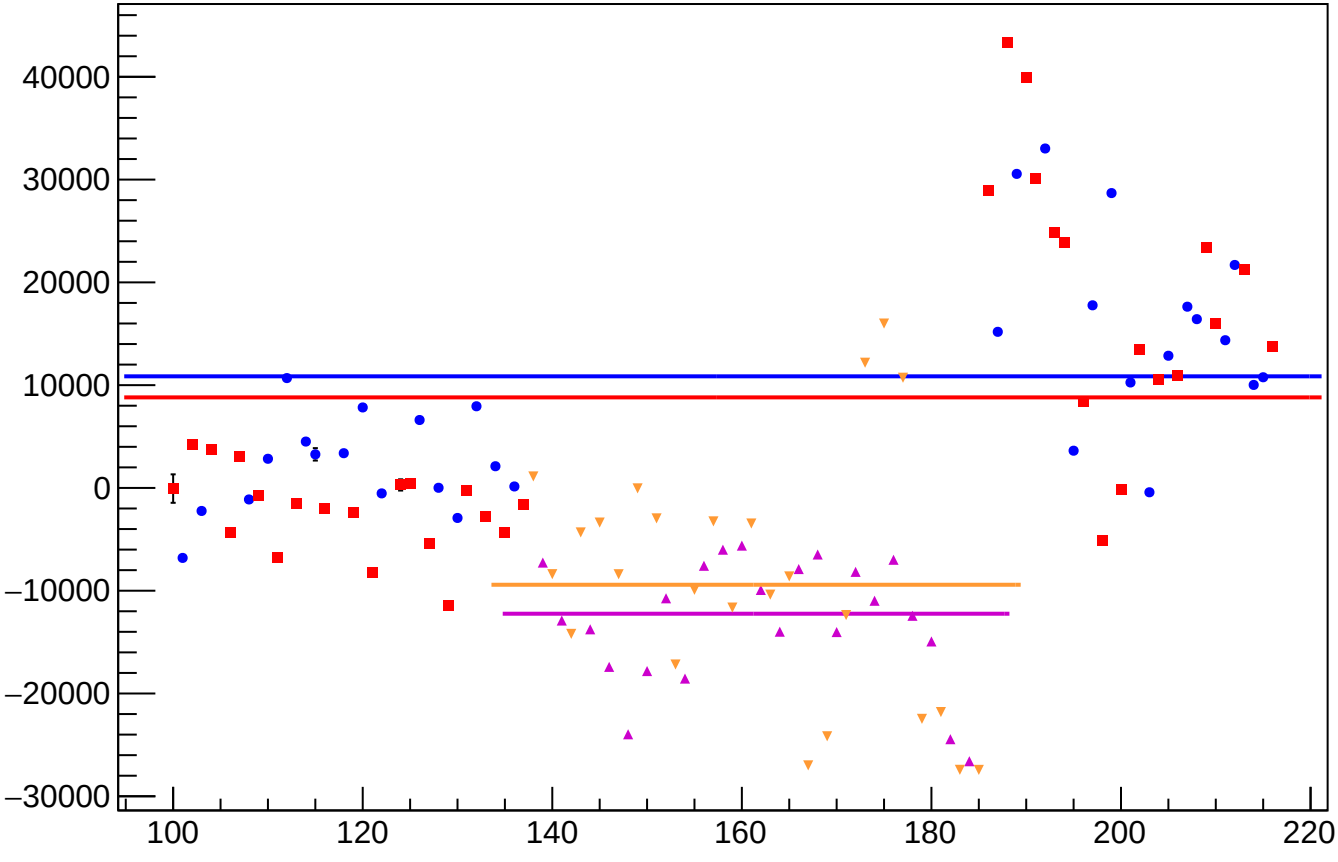
Right: 161.796+/-0.019 χ^2/NDF: 3603154.0/65

In: 169.243+/-0.020 χ^2/NDF:3123469.2/53

Out: 166.649+/-0.019 χ^2/NDF:3729140.7/59

All: 167.900+/-0.014 χ^2/NDF: 6861158.8/113

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



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: 8810.155+/-40.821 χ^2/NDF: 118713.7/34

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

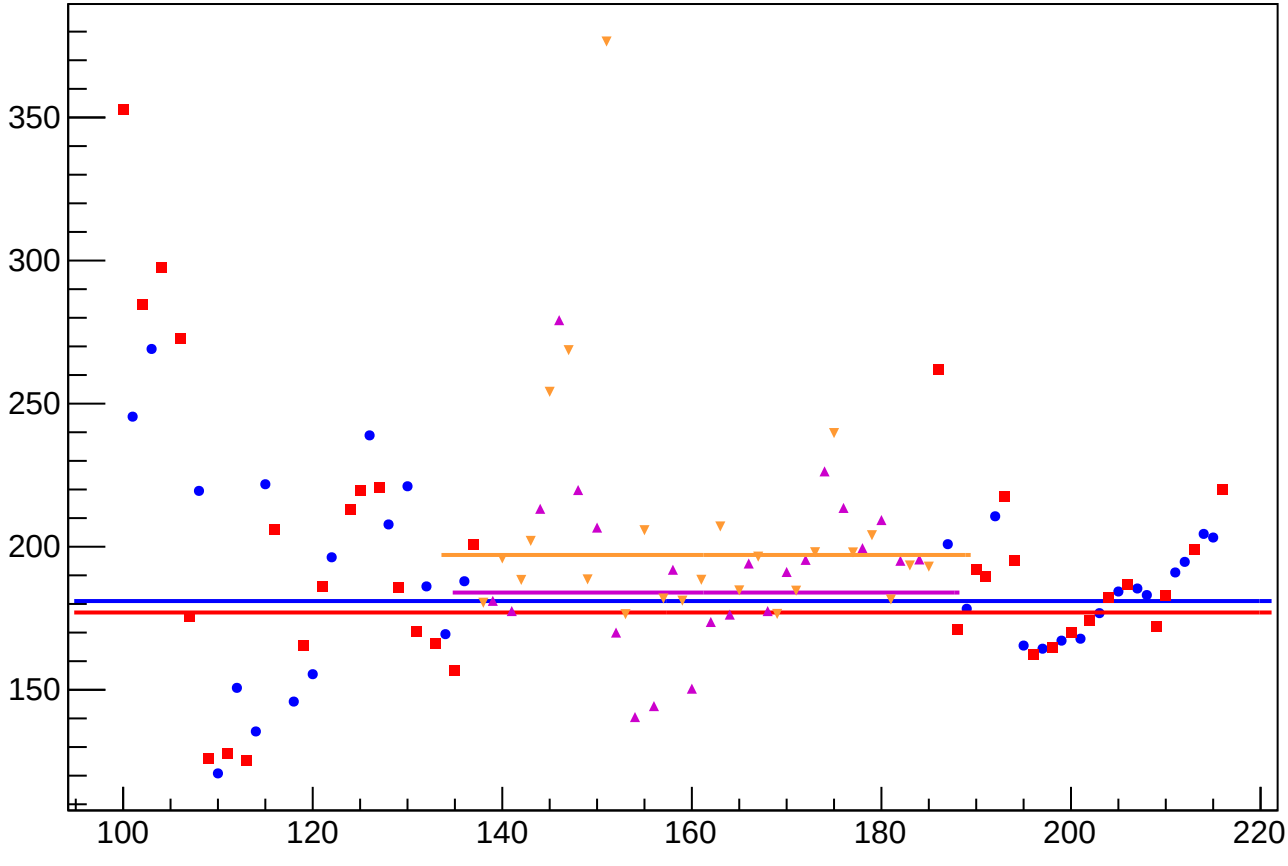
Right: 9805.669+/-29.268 χ^2/NDF: 176755.5/65

In: -98.256+/-30.440 χ^2/NDF:216399.7/53

Out: 719.321+/-30.444 χ^2/NDF:271948.1/59

All: 310.478+/-21.525 χ^2/NDF: 488708.4/113

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: 177.017+/-0.029 χ^2/NDF: 1292980.5/34

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

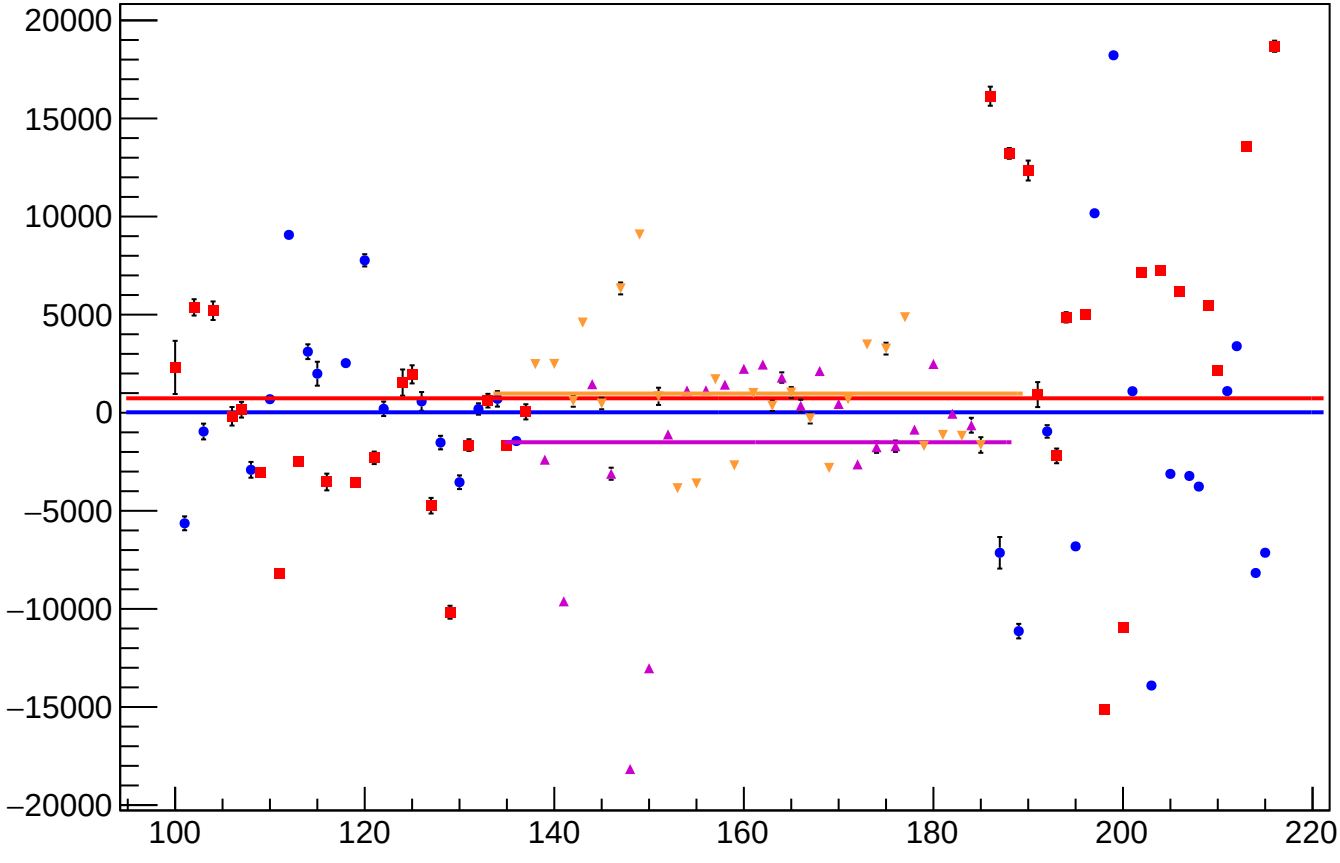
Right: 178.959+/-0.021 χ^2/NDF: 2137872.2/65

In: 182.424+/-0.022 χ^2/NDF:1670104.8/53

Out: 185.940+/-0.022 χ^2/NDF:2240828.2/59

All: 184.182+/-0.015 χ^2/NDF: 3924276.6/113

asym_bpm0i05WS_mean vs Slug, Sign Corrected



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: 735.079+/-45.902 χ^2/NDF: 29466.0/34

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

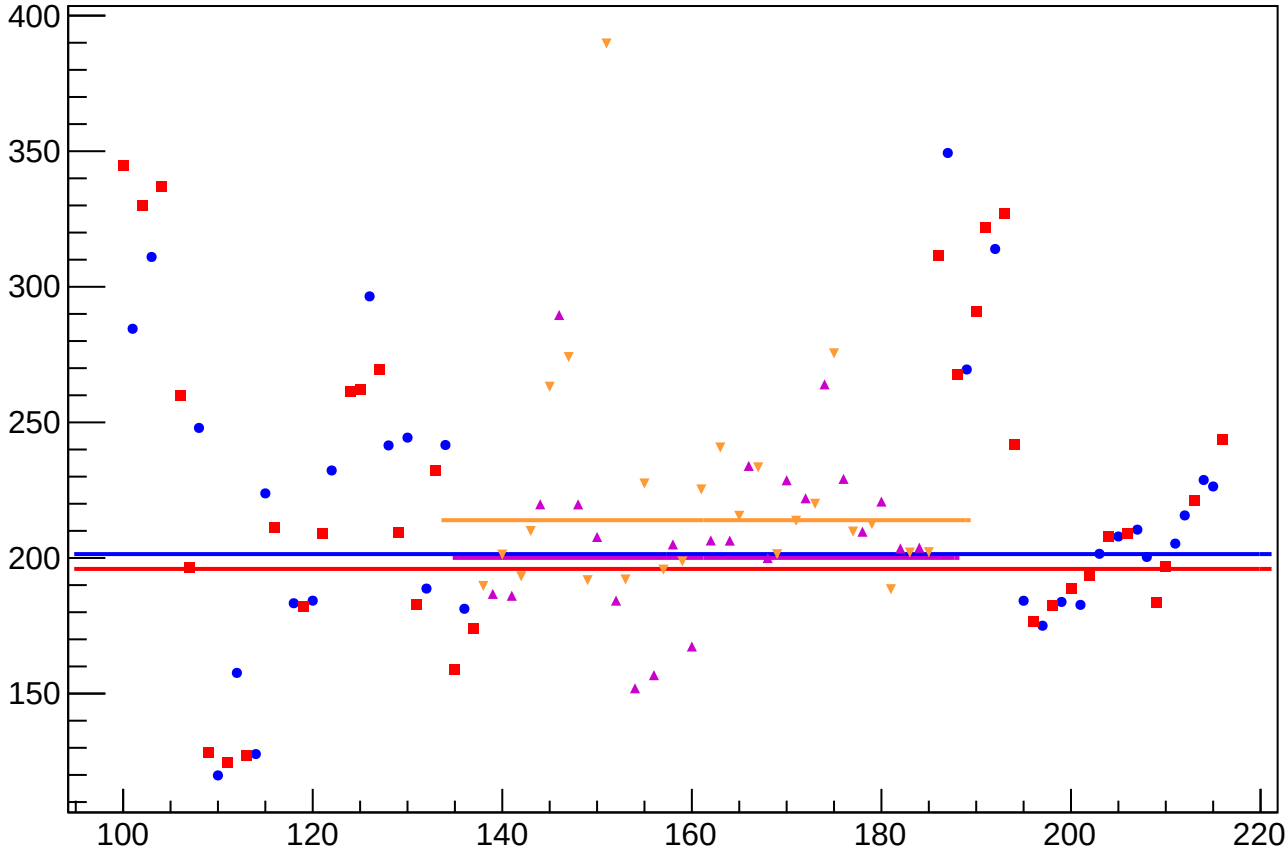
Right: 387.692+/-32.882 χ^2/NDF: 53456.7/65

In: -726.969+/-33.646 χ^2/NDF:35868.2/53

Out: 847.327+/-33.691 χ^2/NDF:33801.9/59

All: 59.113+/-23.807 χ^2/NDF: 70763.2/113

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: 195.969+/-0.032 χ^2/NDF: 2344789.0/34

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

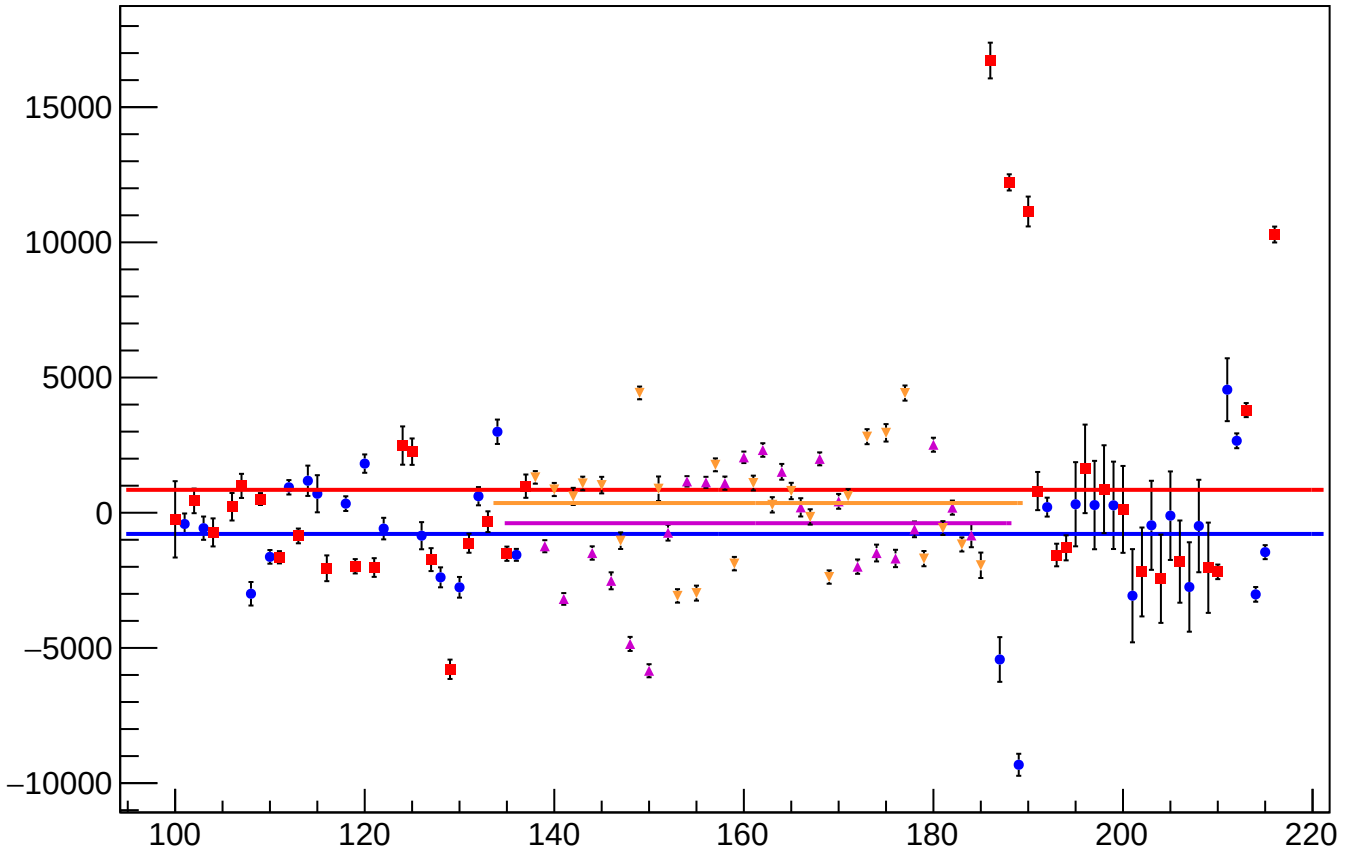
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 198.630+/-0.023 χ^2/NDF: 3874818.0/65

In: 200.747+/-0.024 χ^2/NDF:2302617.8/53

Out: 204.254+/-0.024 χ^2/NDF:3219689.8/59

All: 202.498+/-0.017 χ^2/NDF: 5533162.1/113



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: 846.717+/-66.750 χ^2/NDF: 4630.6/34

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

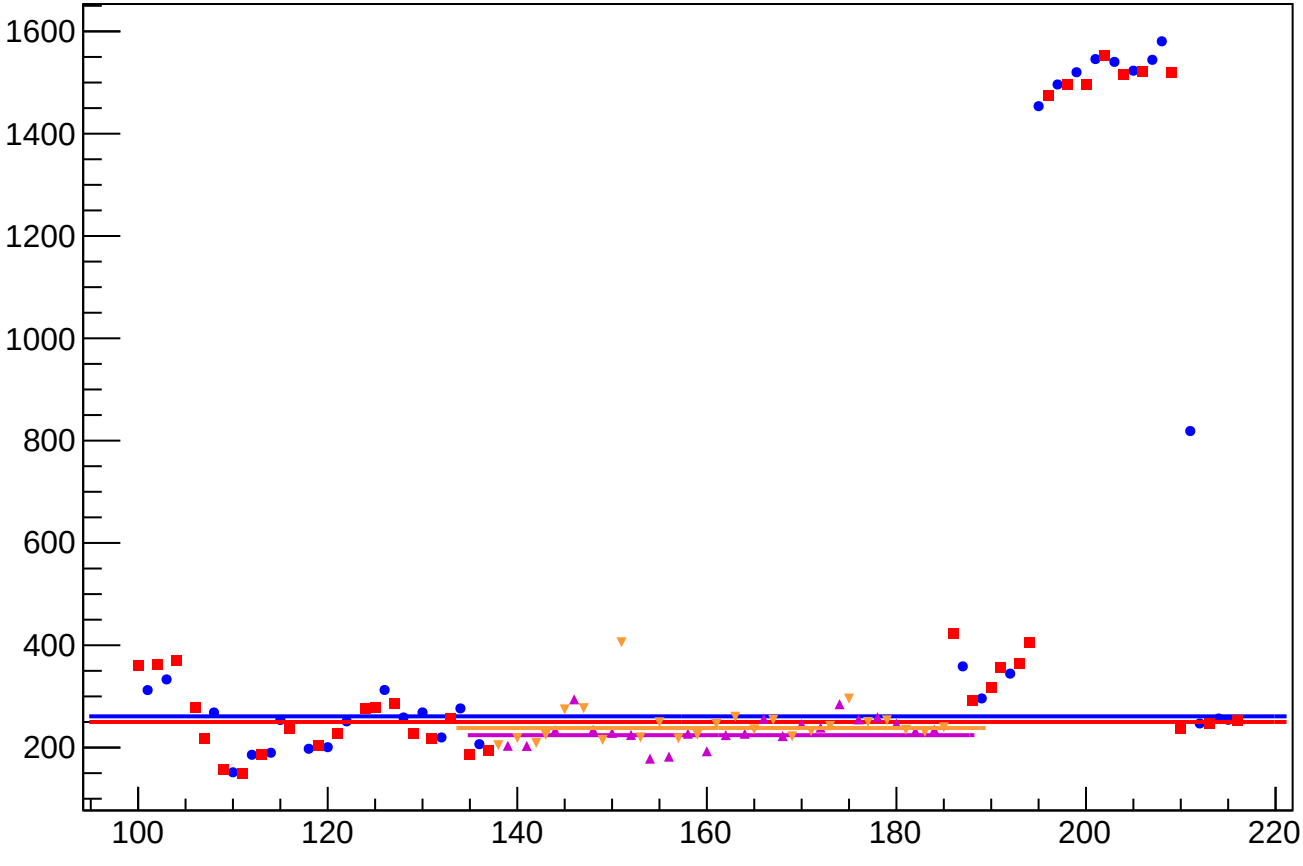
Right: 90.653+/-48.885 χ^2/NDF: 5961.2/65

In: -528.795+/-42.913 χ^2/NDF:2877.8/53

Out: 555.998+/-42.443 χ^2/NDF:6081.3/59

All: 19.577+/-30.177 χ^2/NDF: 9282.1/113

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: 250.058+/-0.047 χ^2/NDF: 10530121.1/34

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

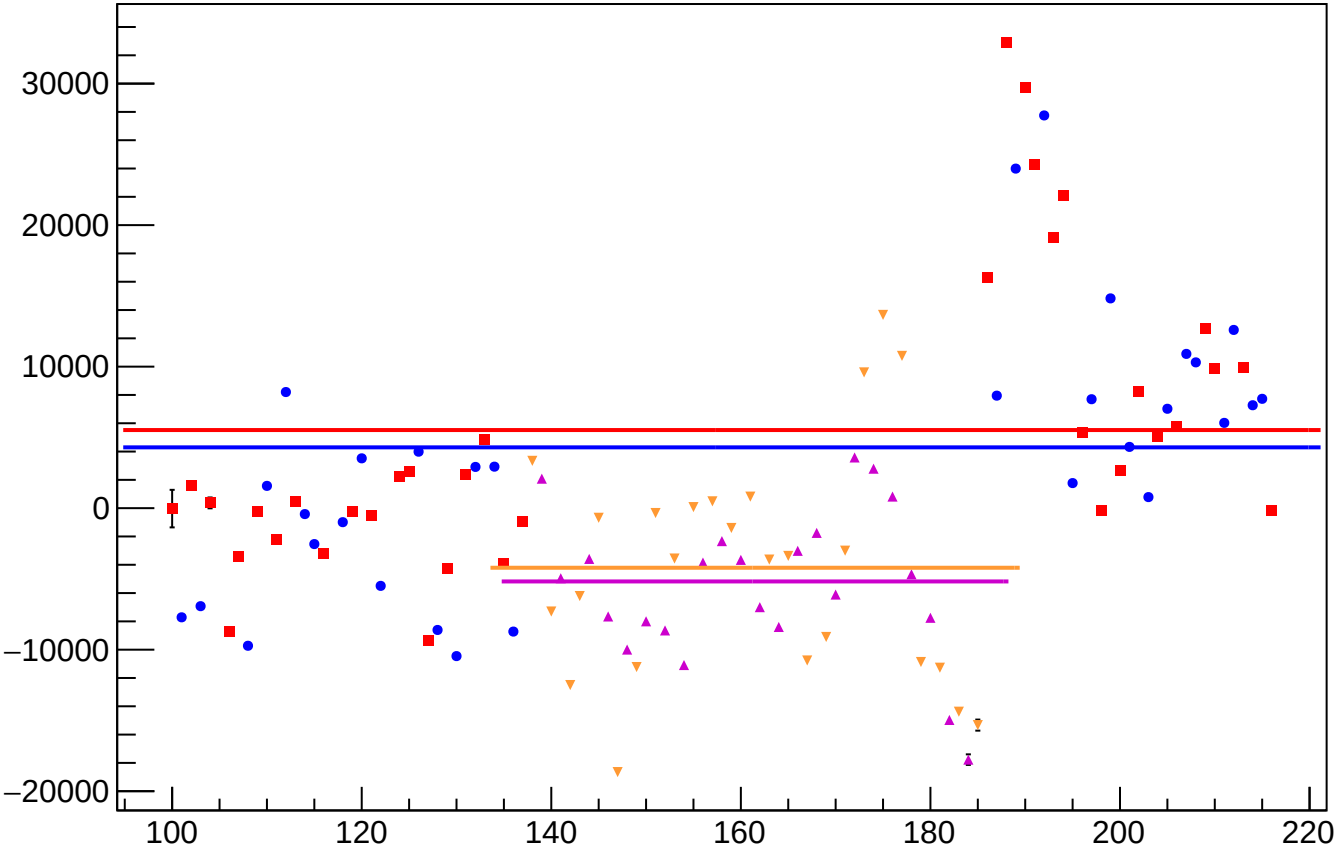
Right: 255.150+/-0.035 χ^2/NDF: 21616330.7/65

In: 237.370+/-0.030 χ^2/NDF:11962593.4/53

Out: 242.994+/-0.030 χ^2/NDF:11135660.2/59

All: 240.213+/-0.021 χ^2/NDF: 23115615.8/11

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: 5519.669+/-31.489 χ^2/NDF: 106535.7/34

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

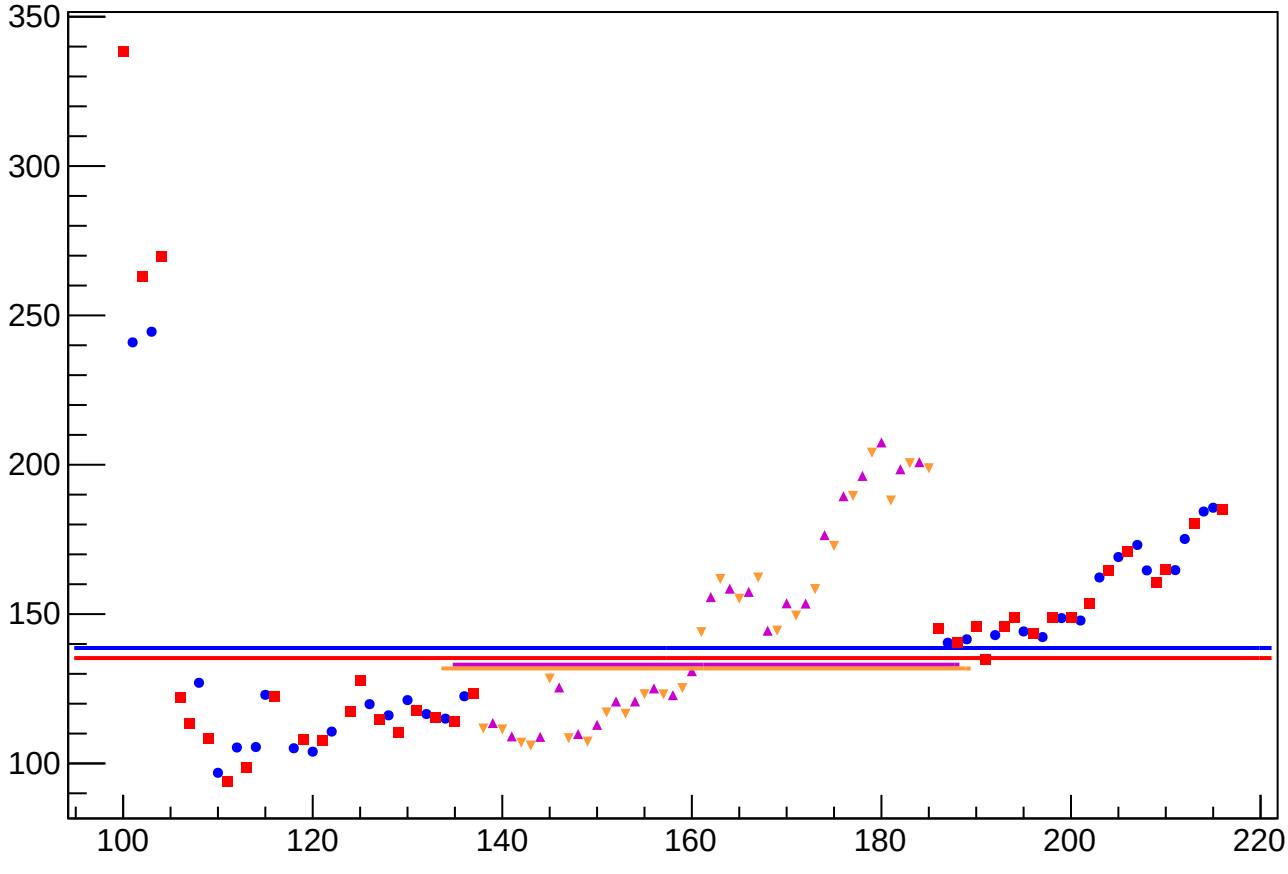
Right: 4931.127+/-22.680 χ^2/NDF: 189328.7/65

In: -546.633+/-22.857 χ^2/NDF:143546.3/53

Out: 551.369+/-22.029 χ^2/NDF:212092.7/59

All: 22.621+/-15.861 χ^2/NDF: 356835.4/113

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: 135.280+/-0.022 χ^2/NDF: 1796884.3/34

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

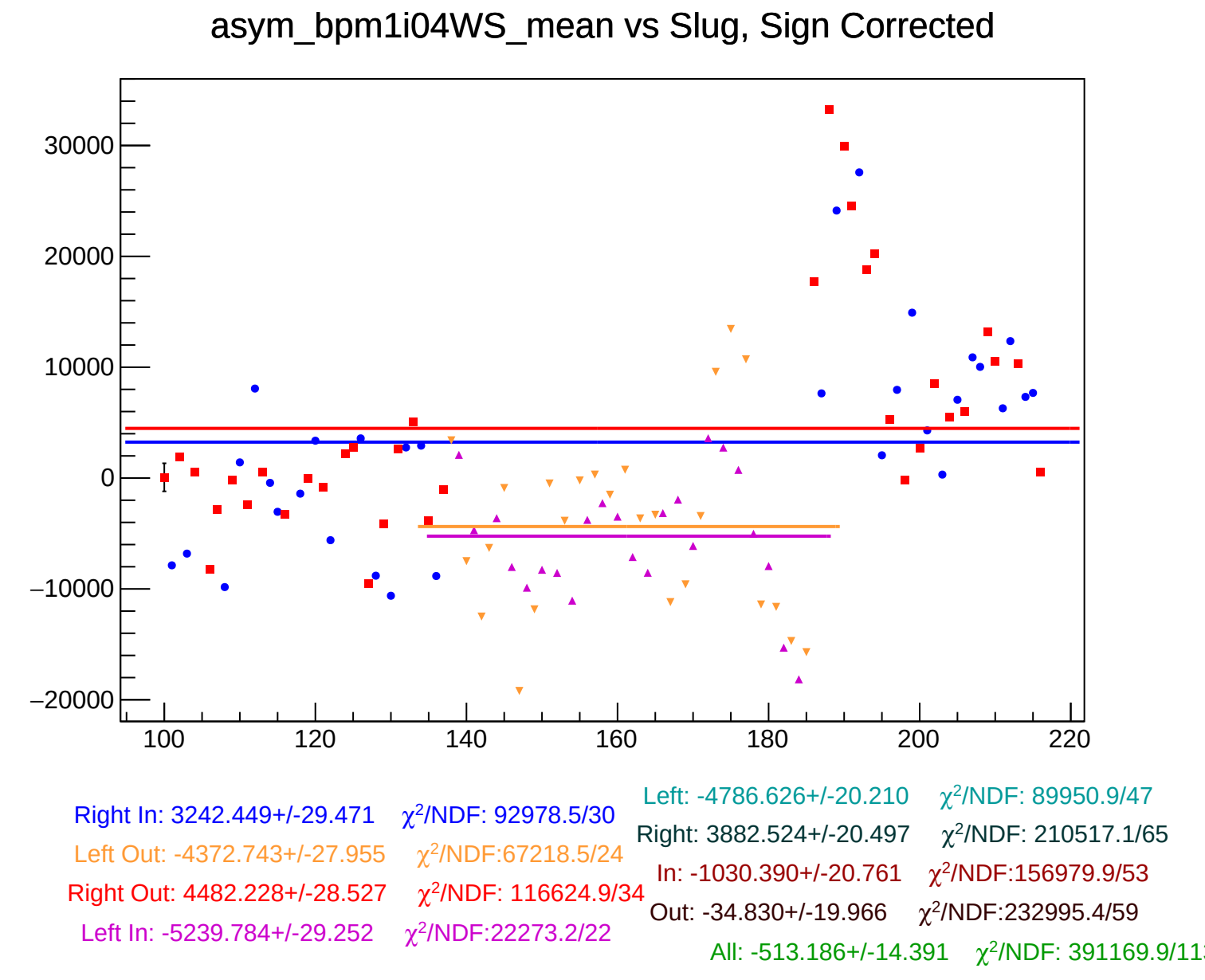
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 136.901+/-0.016 χ^2/NDF: 3478091.1/65

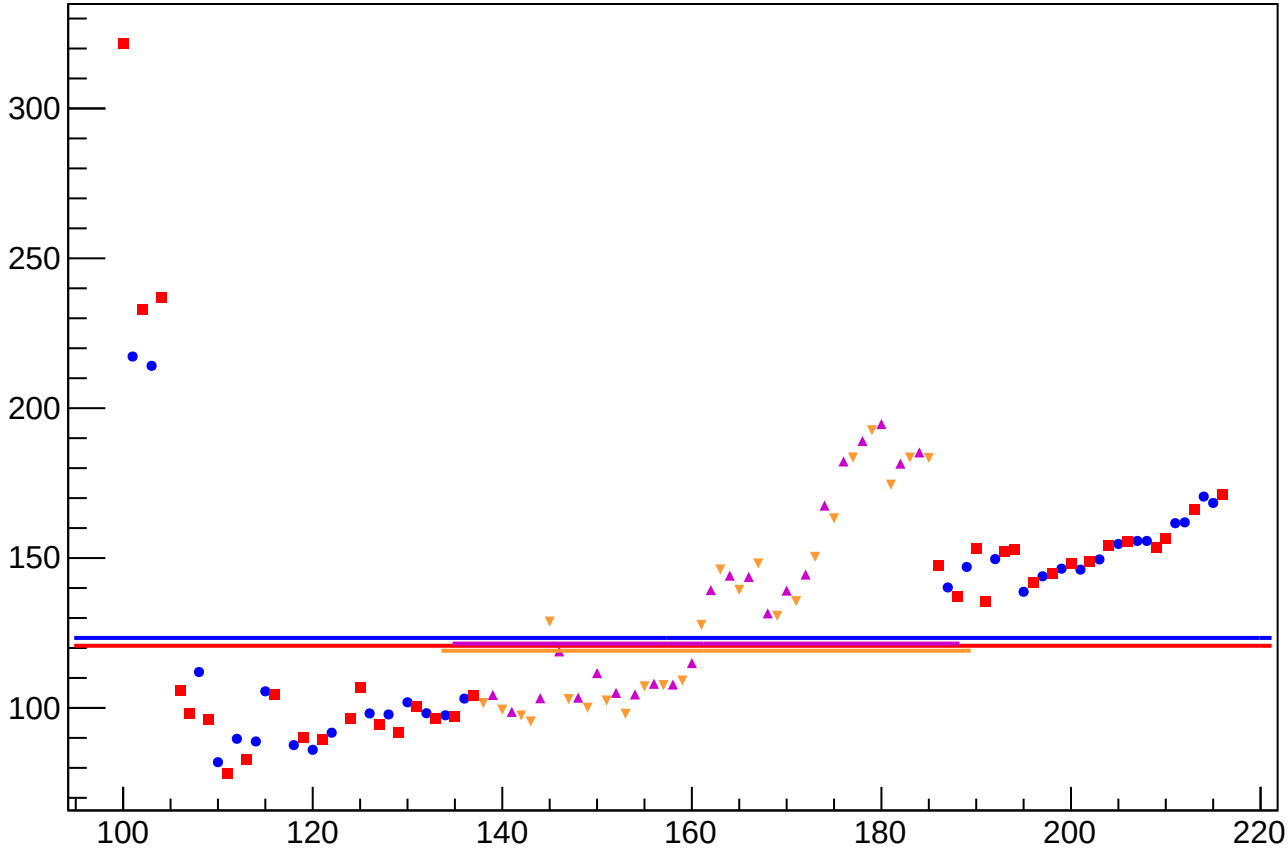
In: 135.793+/-0.016 χ^2/NDF:3118305.6/53

Out: 133.502+/-0.016 χ^2/NDF:3353713.3/59

All: 134.605+/-0.011 χ^2/NDF: 6482434.4/113


asym_bpm1i04WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 3242.449+/-29.471 χ²/NDF: 92978.5/30
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: 4482.228+/-28.527 χ²/NDF: 116624.9/34
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4786.626+/-20.210 χ²/NDF: 89950.9/47
Right: 3882.524+/-20.497 χ²/NDF: 210517.1/65
In: -1030.390+/-20.761 χ²/NDF:156979.9/53
Out: -34.830+/-19.966 χ²/NDF:232995.4/59
All: -513.186+/-14.391 χ²/NDF: 391169.9/11

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: 120.732+/-0.020 χ^2/NDF: 2732610.1/34

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

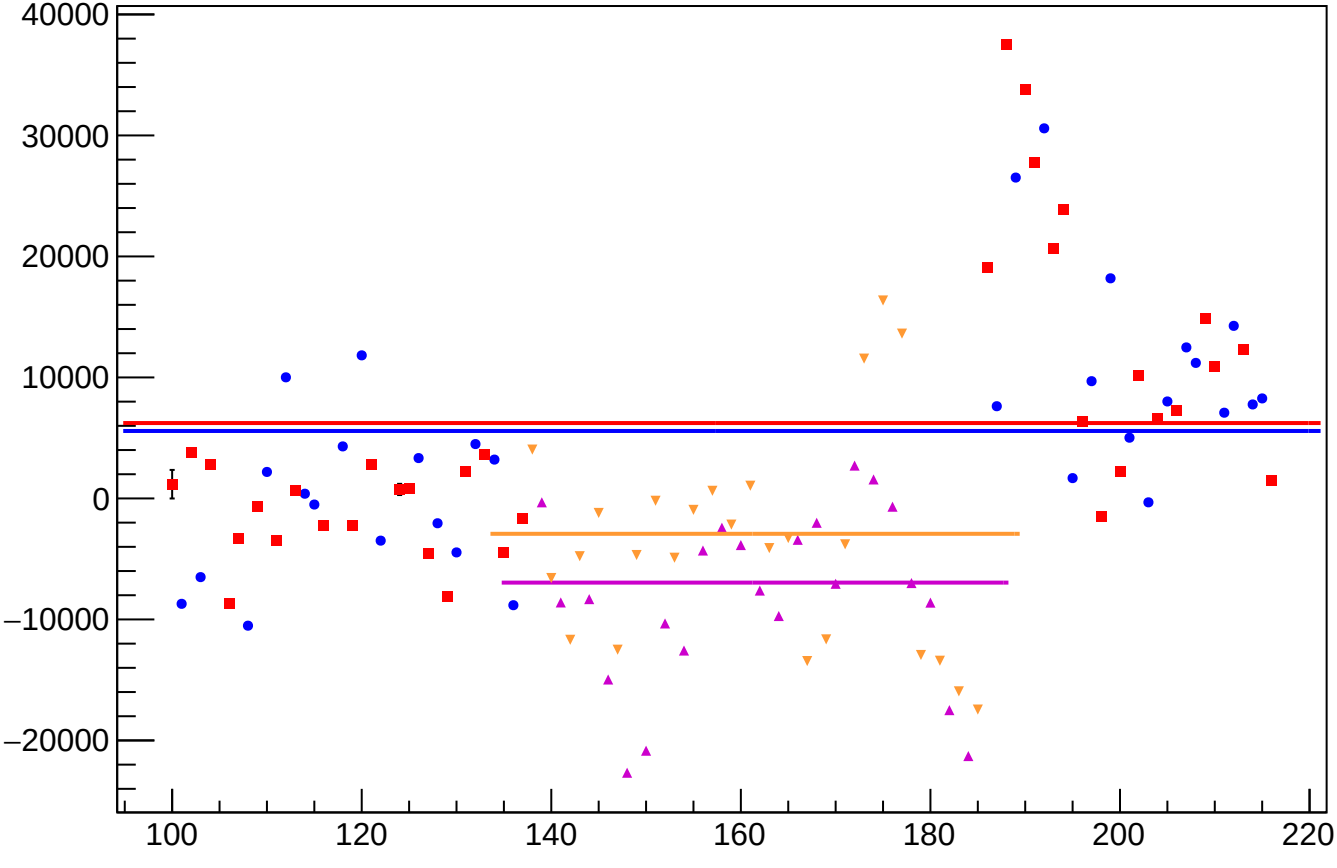
Right: 122.000+/-0.014 χ^2/NDF: 5217903.2/65

In: 122.404+/-0.015 χ^2/NDF:4010625.8/53

Out: 119.881+/-0.014 χ^2/NDF:4491524.9/59

All: 121.093+/-0.010 χ^2/NDF: 8517490.4/113

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 5575.090+/-38.590 χ^2/NDF: 65070.1/30

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 6230.541+/-37.425 χ^2/NDF: 95795.2/34

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

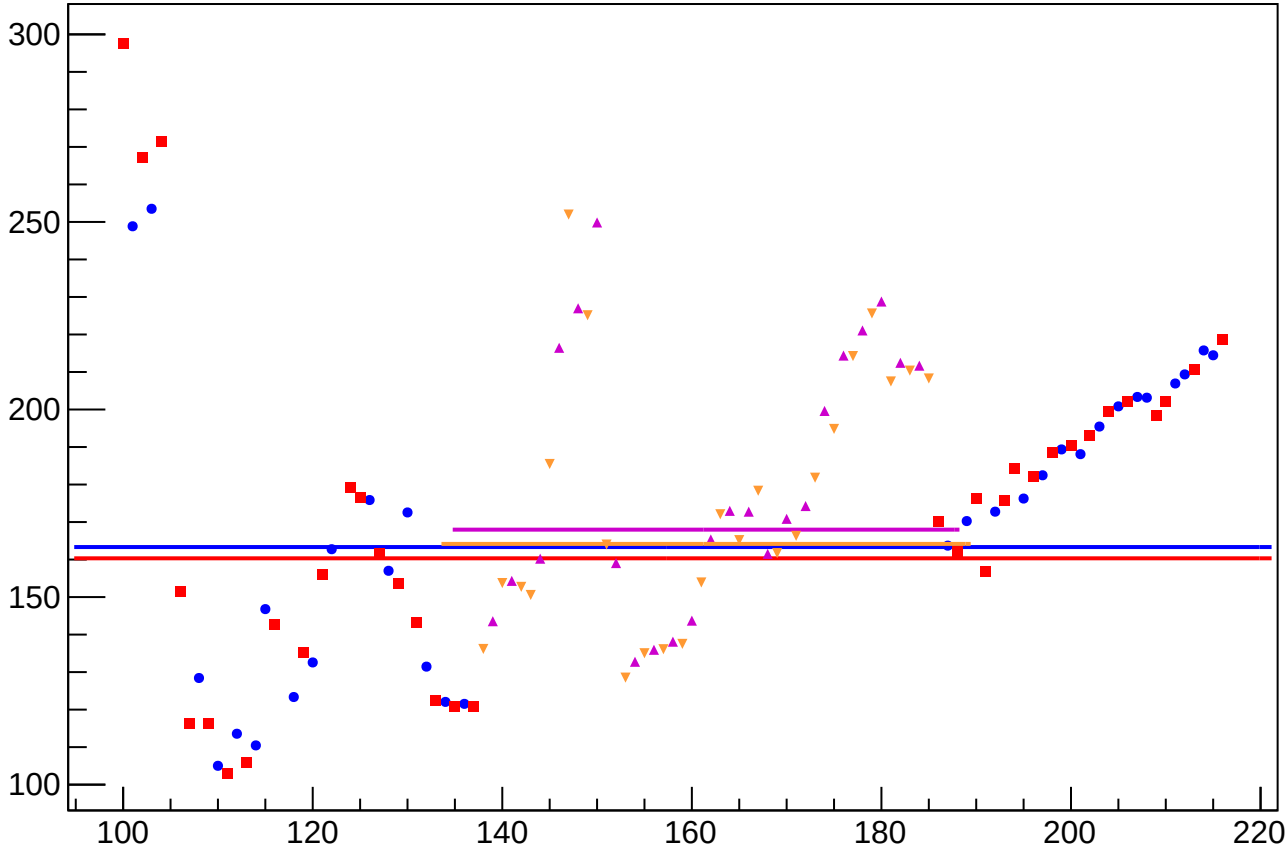
Right: 5912.858+/-26.866 χ^2/NDF: 161013.9/65

In: -427.866+/-27.854 χ^2/NDF:137926.7/53

Out: 1745.760+/-26.728 χ^2/NDF:163157.6/59

All: 703.763+/-19.285 χ^2/NDF: 304254.8/113

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: 160.332+/-0.026 χ^2/NDF: 2111037.1/34

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

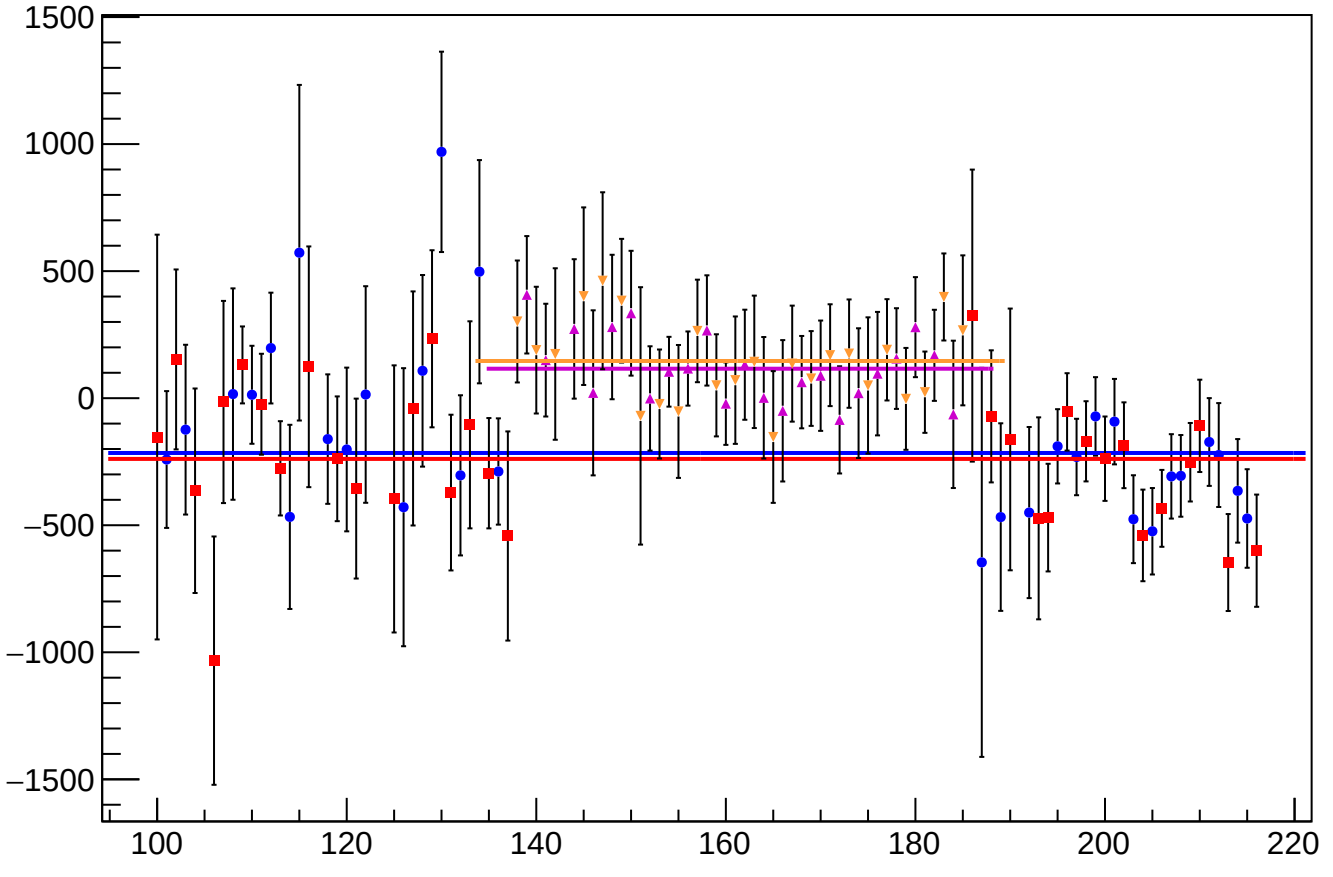
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 161.788+/-0.019 χ^2/NDF: 4123168.2/65

In: 165.559+/-0.020 χ^2/NDF:3242469.1/53

Out: 162.214+/-0.019 χ^2/NDF:3345759.3/59

All: 163.817+/-0.014 χ^2/NDF: 6603244.4/113



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: -238.983+/-40.384 χ^2/NDF: 32.1/32

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

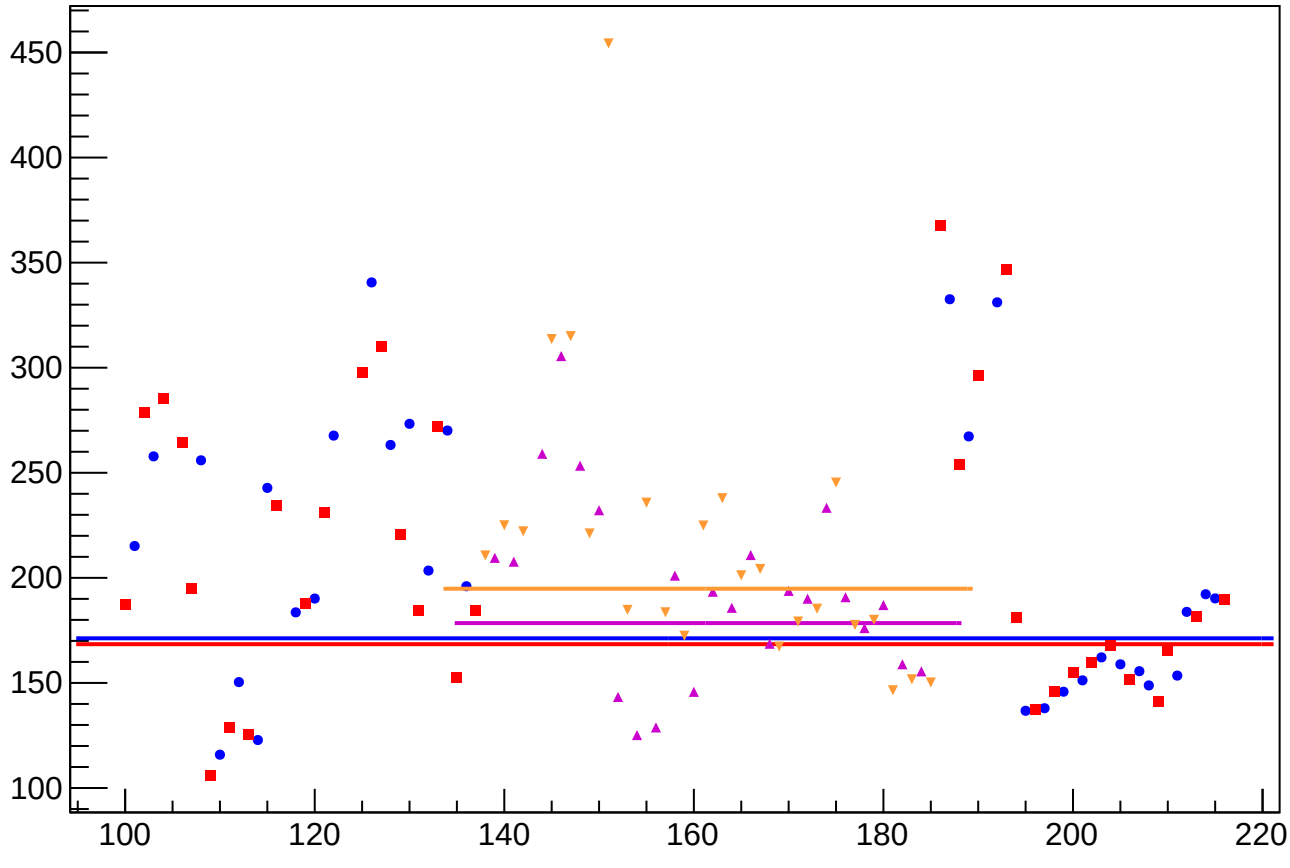
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -227.353+/-28.604 χ^2/NDF: 63.9/63

In: -61.979+/-29.683 χ^2/NDF:70.3/53

Out: -75.039+/-30.610 χ^2/NDF:80.8/56

All: -68.308+/-21.309 χ^2/NDF: 151.2/110



Right In: 171.234+/-0.029 χ^2/NDF: 2330422.1/30

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 168.439+/-0.029 χ^2/NDF: 2842377.2/32

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

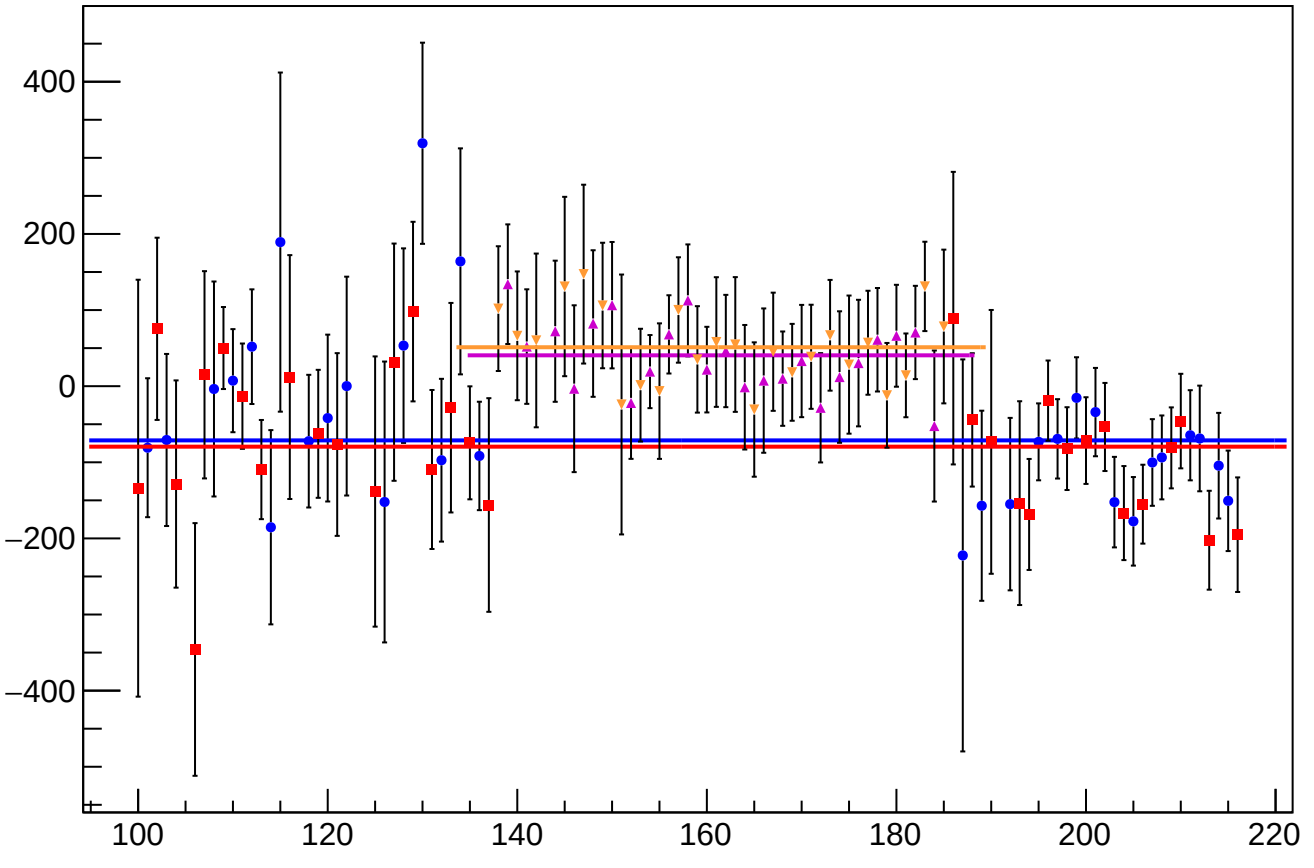
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 169.832+/-0.020 χ^2/NDF: 5177573.3/63

In: 174.589+/-0.021 χ^2/NDF:4036288.9/53

Out: 179.666+/-0.022 χ^2/NDF:4958212.6/56

All: 177.050+/-0.015 χ^2/NDF: 9022857.9/110



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: -79.459+/-13.884 χ^2/NDF: 30.2/32

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

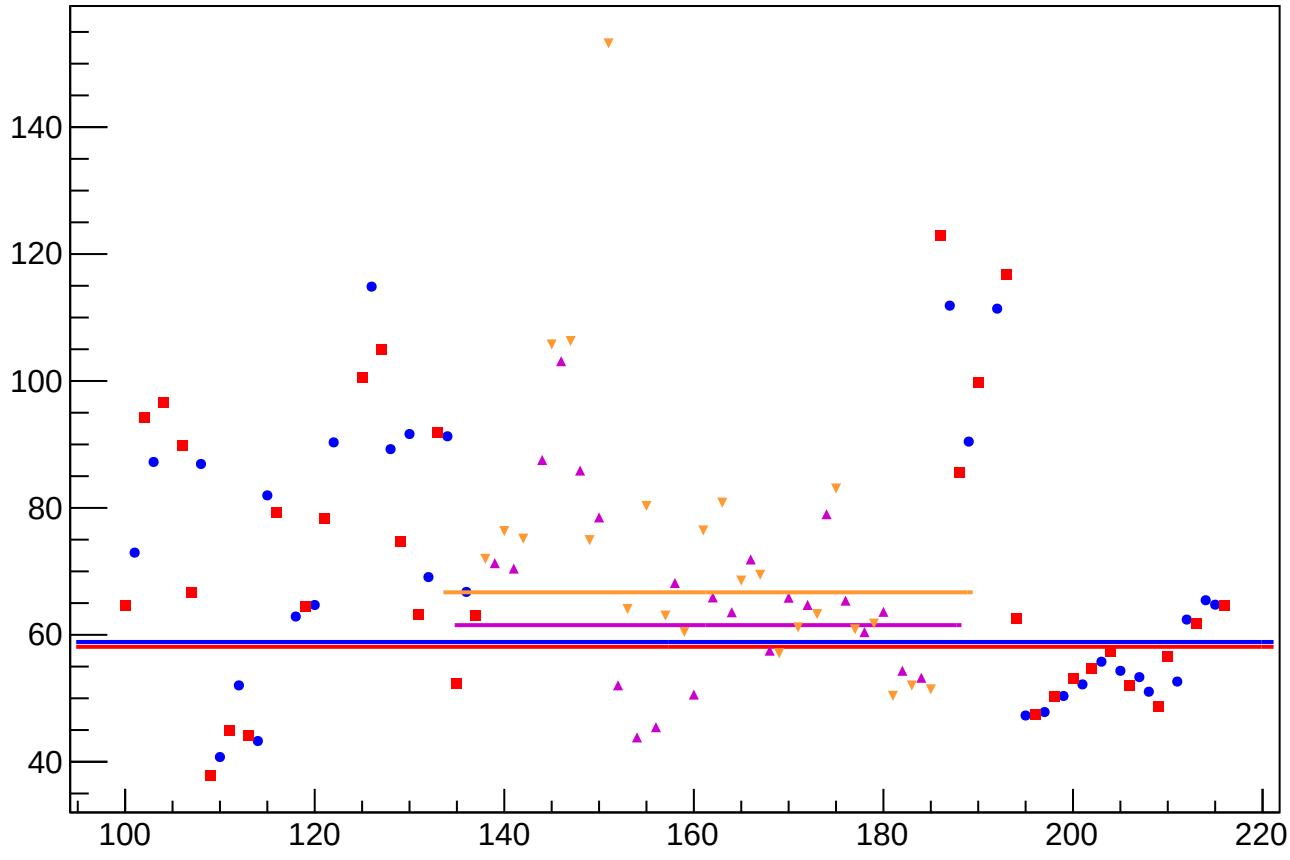
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -75.341+/-9.823 χ^2/NDF: 59.8/63

In: -19.503+/-10.188 χ^2/NDF:67.2/53

Out: -23.501+/-10.497 χ^2/NDF:76.3/56

All: -21.442+/-7.311 χ^2/NDF: 143.6/110



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: 58.114+/-0.010 χ^2/NDF: 2640363.6/32

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

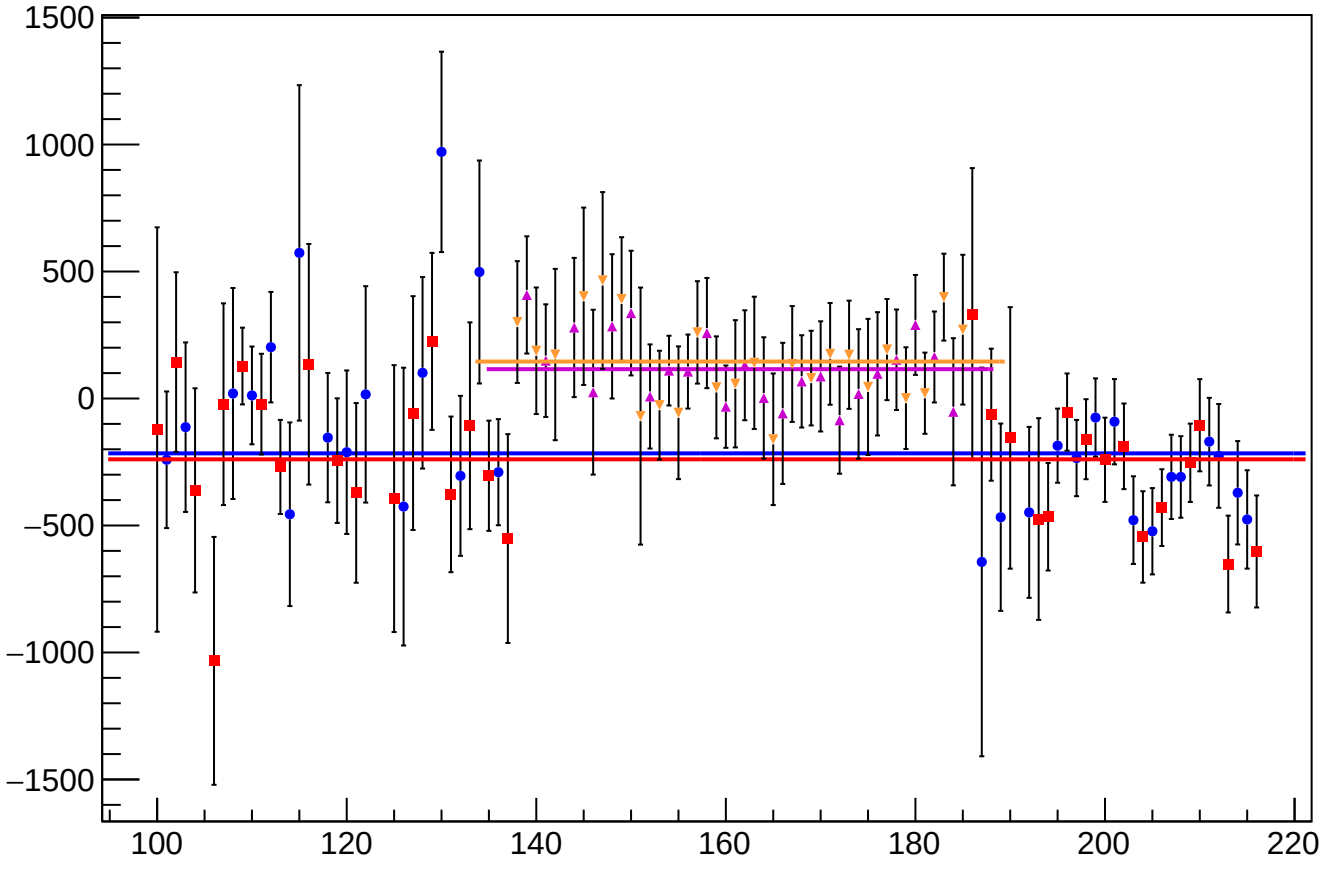
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.495+/-0.007 χ^2/NDF: 4823836.0/63

In: 60.104+/-0.007 χ^2/NDF:3703992.1/53

Out: 61.794+/-0.007 χ^2/NDF:4644594.0/56

All: 60.924+/-0.005 χ^2/NDF: 8375269.6/110



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: -239.370+/-40.333 χ^2/NDF: 32.3/32

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

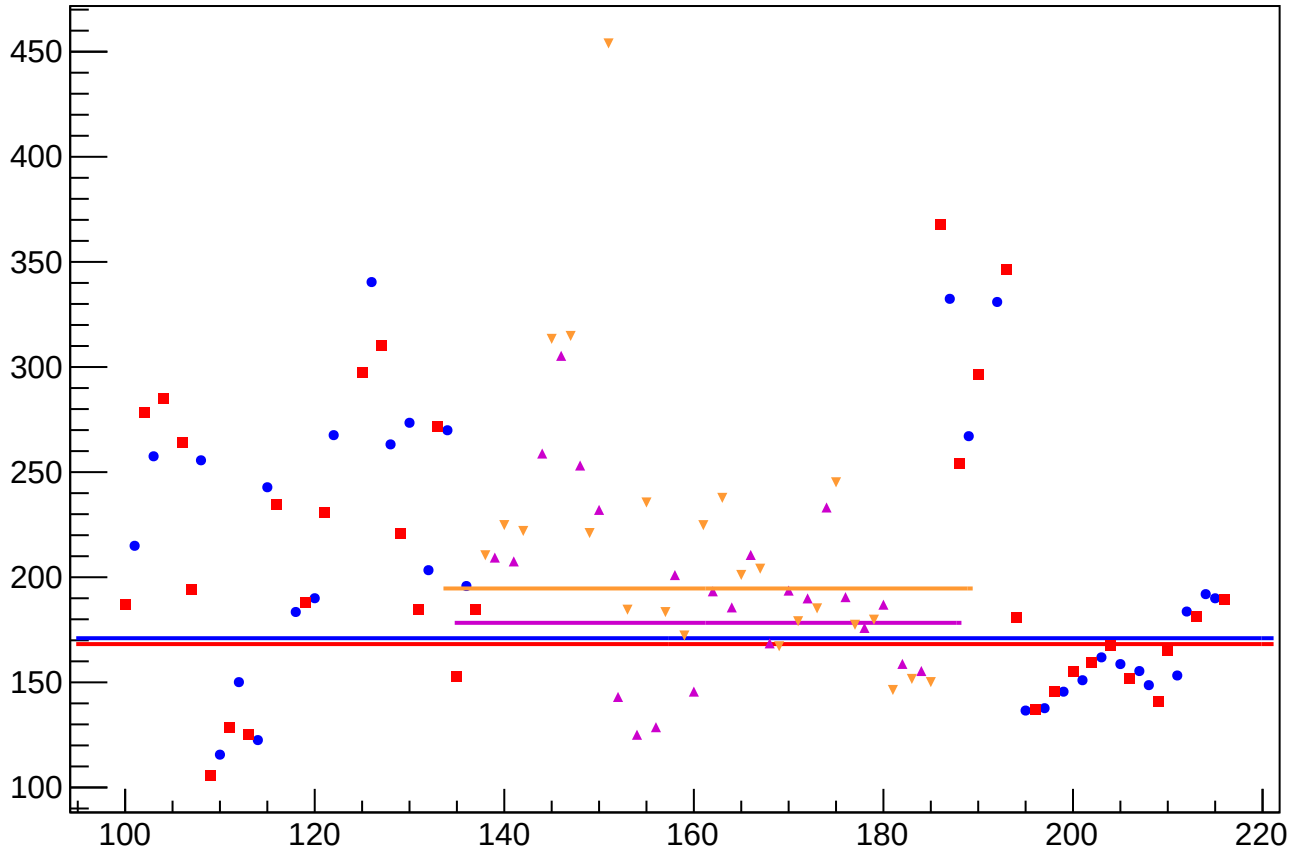
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -227.724+/-28.567 χ^2/NDF: 64.4/63

In: -62.464+/-29.651 χ^2/NDF:70.7/53

Out: -75.713+/-30.577 χ^2/NDF:81.3/56

All: -68.885+/-21.286 χ^2/NDF: 152.1/110



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: 168.204+/-0.029 χ^2/NDF: 2850814.8/32

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

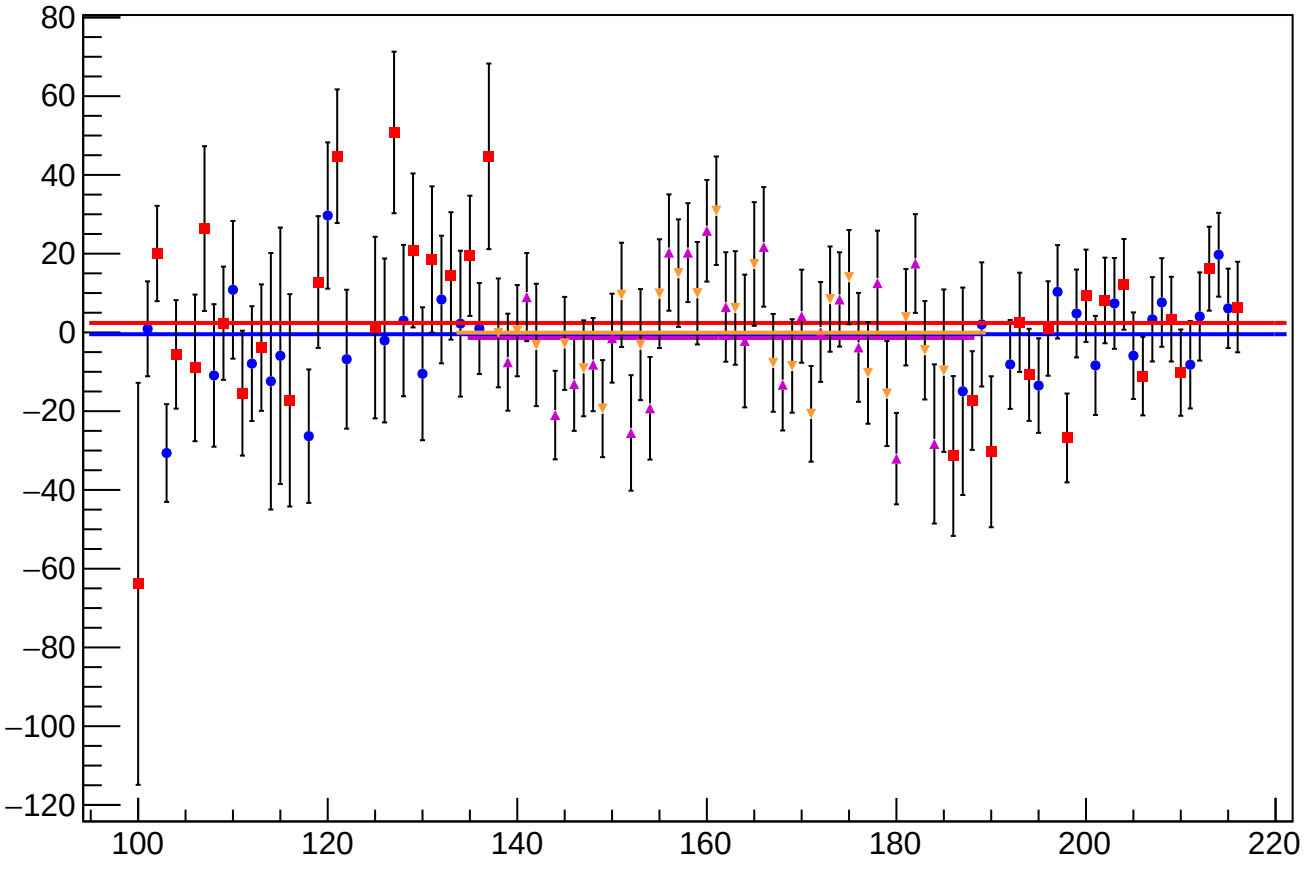
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 169.598+/-0.020 χ^2/NDF: 5192624.3/63

In: 174.390+/-0.021 χ^2/NDF:4045628.5/53

Out: 179.454+/-0.022 χ^2/NDF:4969855.7/56

All: 176.844+/-0.015 χ^2/NDF: 9043754.5/110



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: 2.404+/-2.462 χ^2/NDF: 49.1/32

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

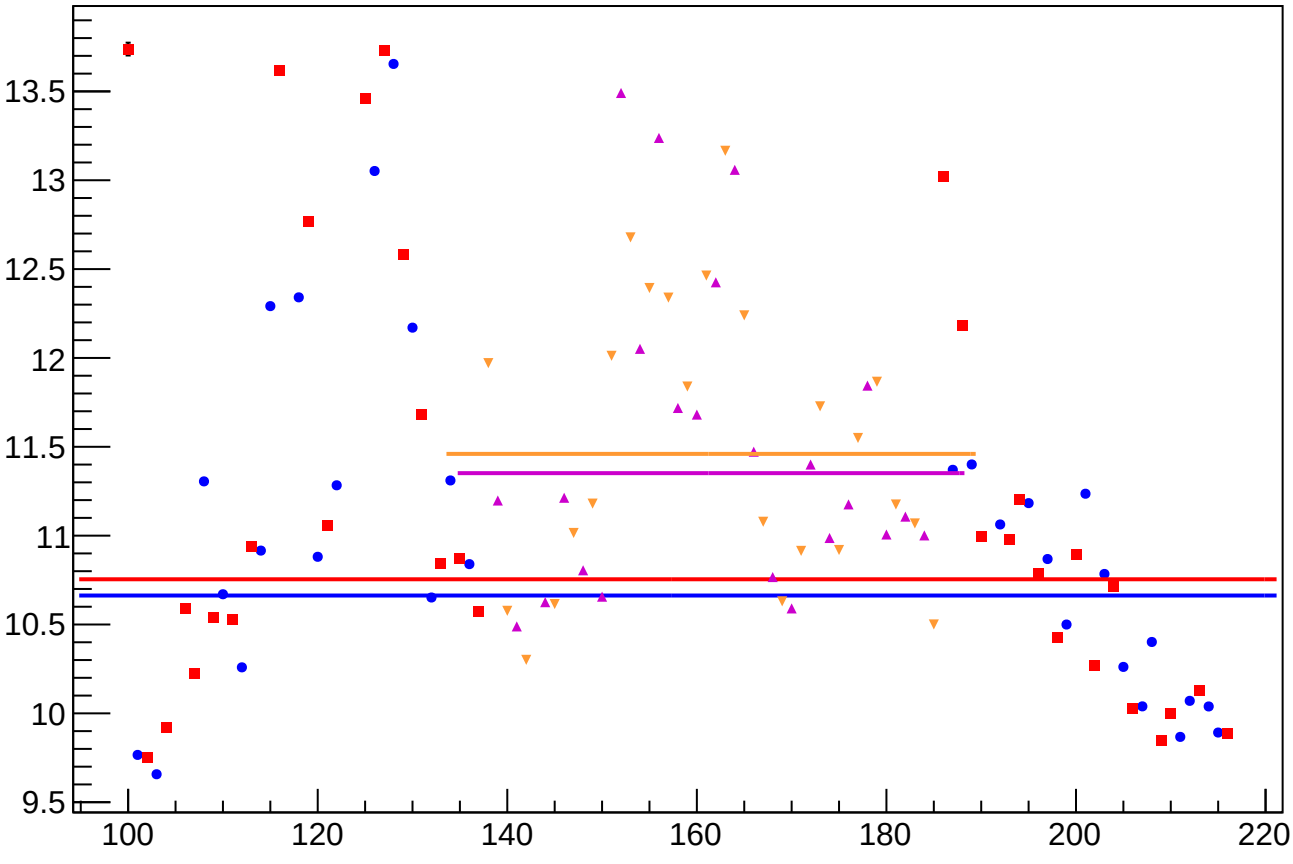
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 0.963+/-1.734 χ^2/NDF: 72.1/63

In: -0.889+/-1.804 χ^2/NDF:58.7/53

Out: 1.285+/-1.815 χ^2/NDF:70.0/56

All: 0.192+/-1.279 χ^2/NDF: 129.4/110



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: 10.754+/-0.002 χ^2/NDF: 288746.2/32

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

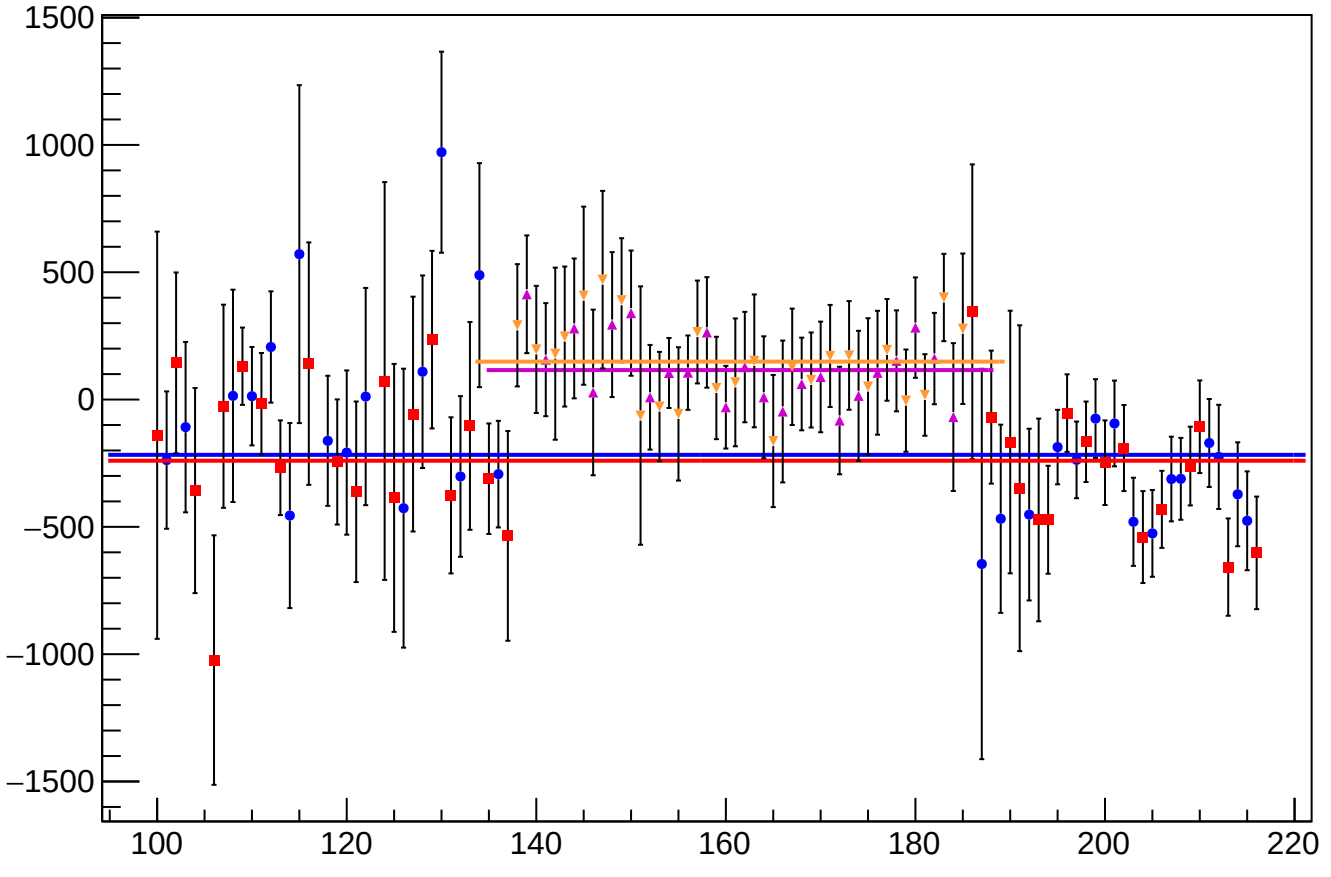
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.708+/-0.001 χ^2/NDF: 501988.6/63

In: 10.976+/-0.001 χ^2/NDF:454702.7/53

Out: 11.077+/-0.001 χ^2/NDF:514215.3/56

All: 11.026+/-0.001 χ^2/NDF: 971990.9/110



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: -240.237+/-40.307 χ^2/NDF: 32.6/34

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

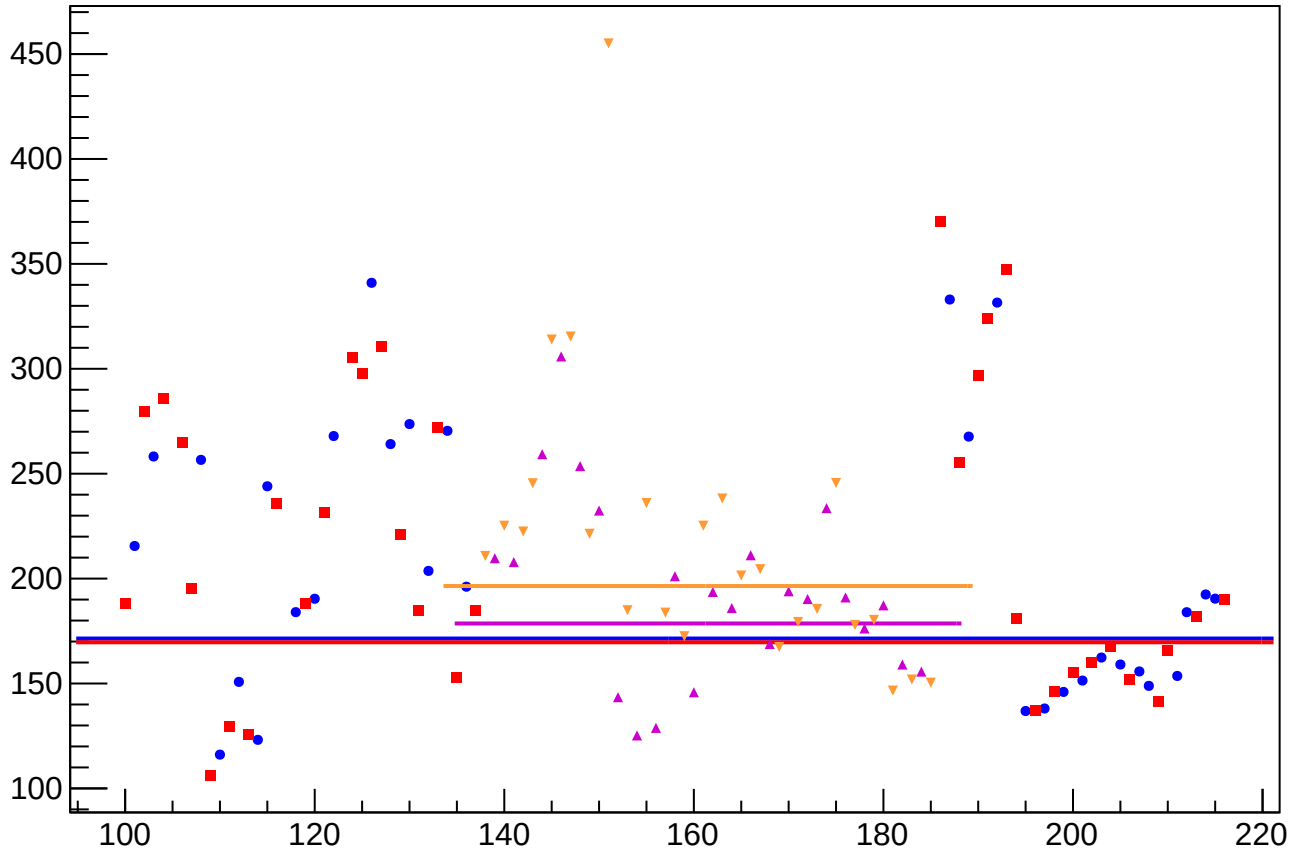
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -228.749+/-28.594 χ^2/NDF: 64.6/65

In: -62.821+/-29.714 χ^2/NDF:70.9/53

Out: -72.492+/-30.403 χ^2/NDF:83.2/59

All: -67.546+/-21.250 χ^2/NDF: 154.2/113



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: 169.642+/-0.029 χ^2/NDF: 3026056.9/34

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

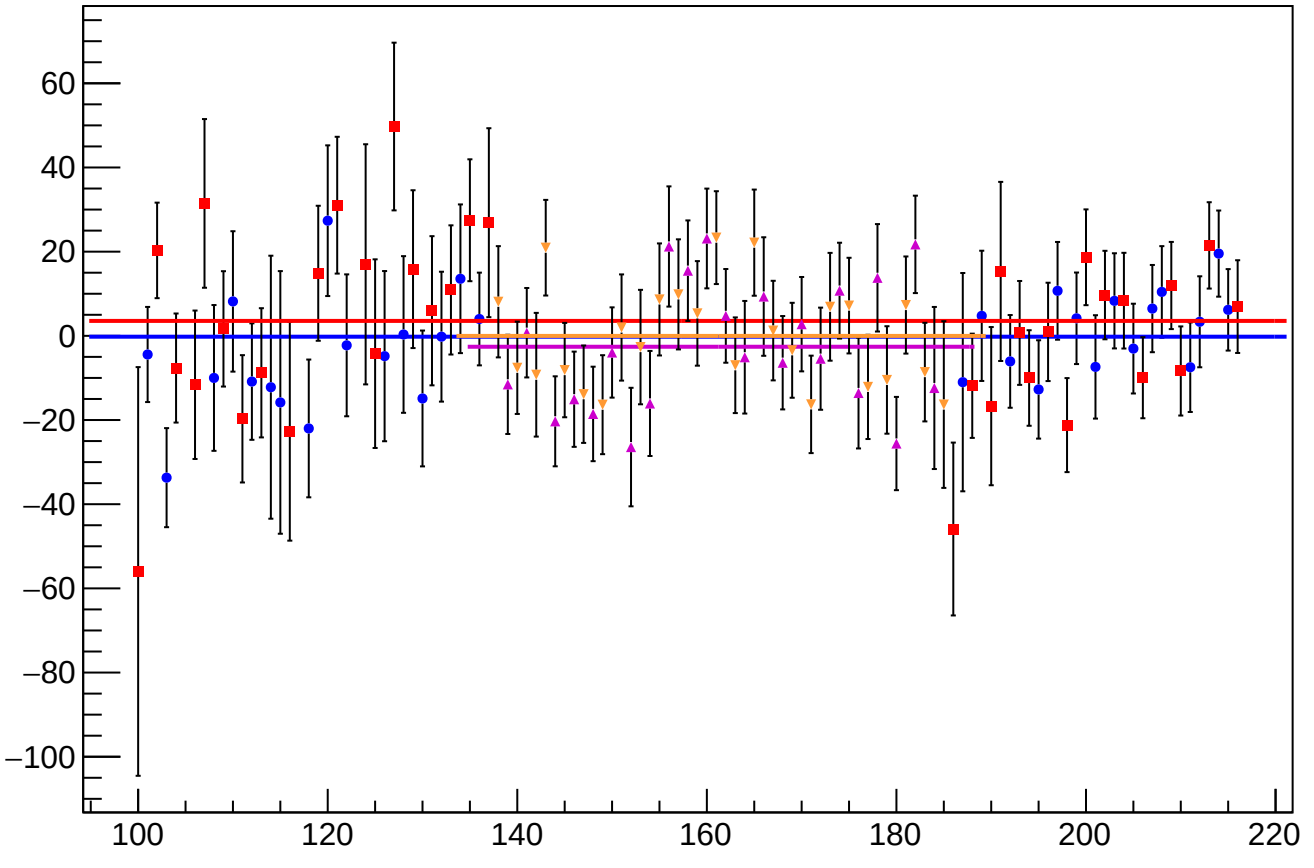
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 170.536+/-0.020 χ^2/NDF: 5360277.9/65

In: 174.766+/-0.021 χ^2/NDF:4040089.5/53

Out: 181.200+/-0.021 χ^2/NDF:5226280.3/59

All: 177.909+/-0.015 χ^2/NDF: 9312181.8/113



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: 3.546+/-2.353 χ^2/NDF: 49.3/34

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

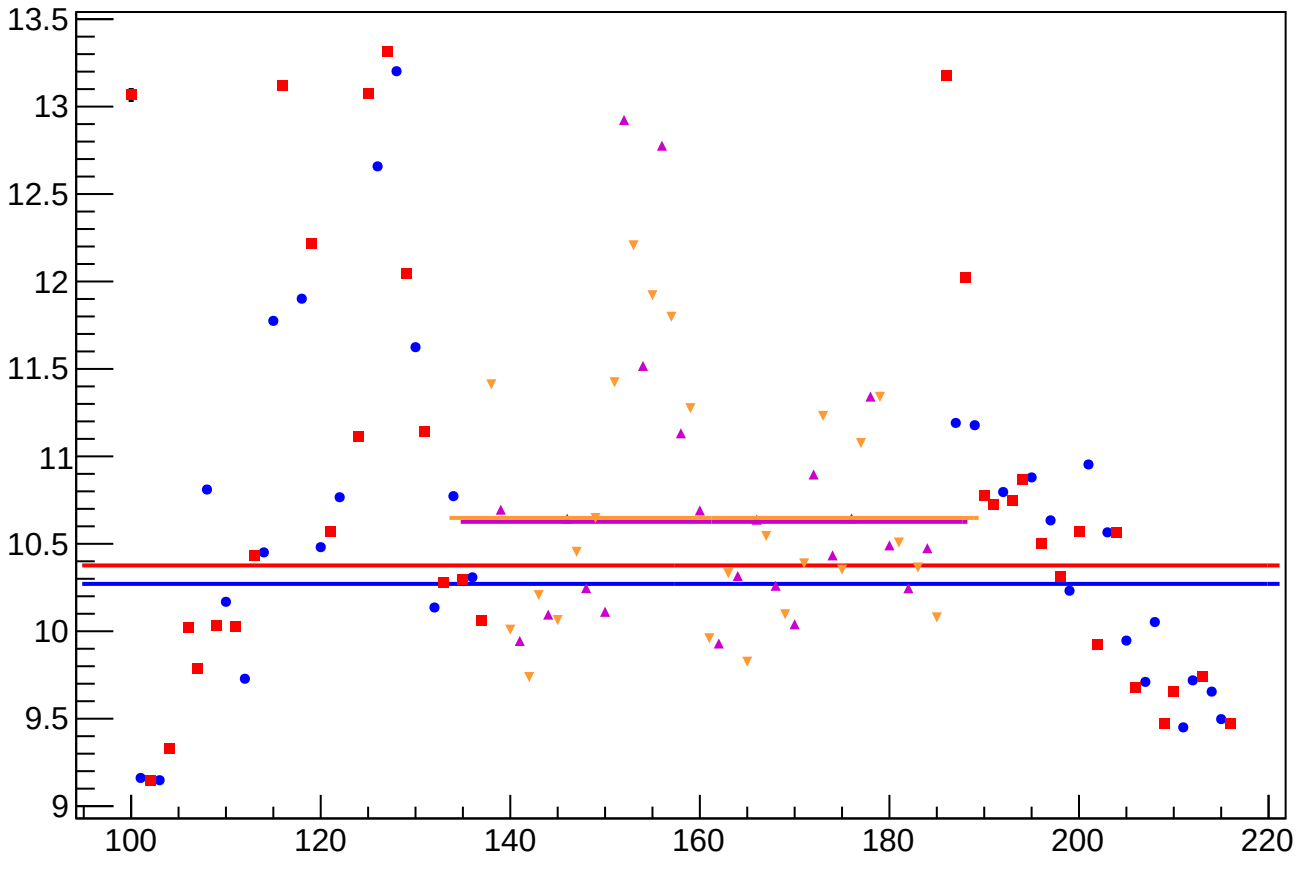
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 1.673+/-1.665 χ^2/NDF: 76.0/65

In: -1.324+/-1.716 χ^2/NDF:60.7/53

Out: 1.832+/-1.695 χ^2/NDF:74.2/59

All: 0.274+/-1.206 χ^2/NDF: 136.5/113



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: 10.376+/-0.002 χ^2/NDF: 331476.5/34

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

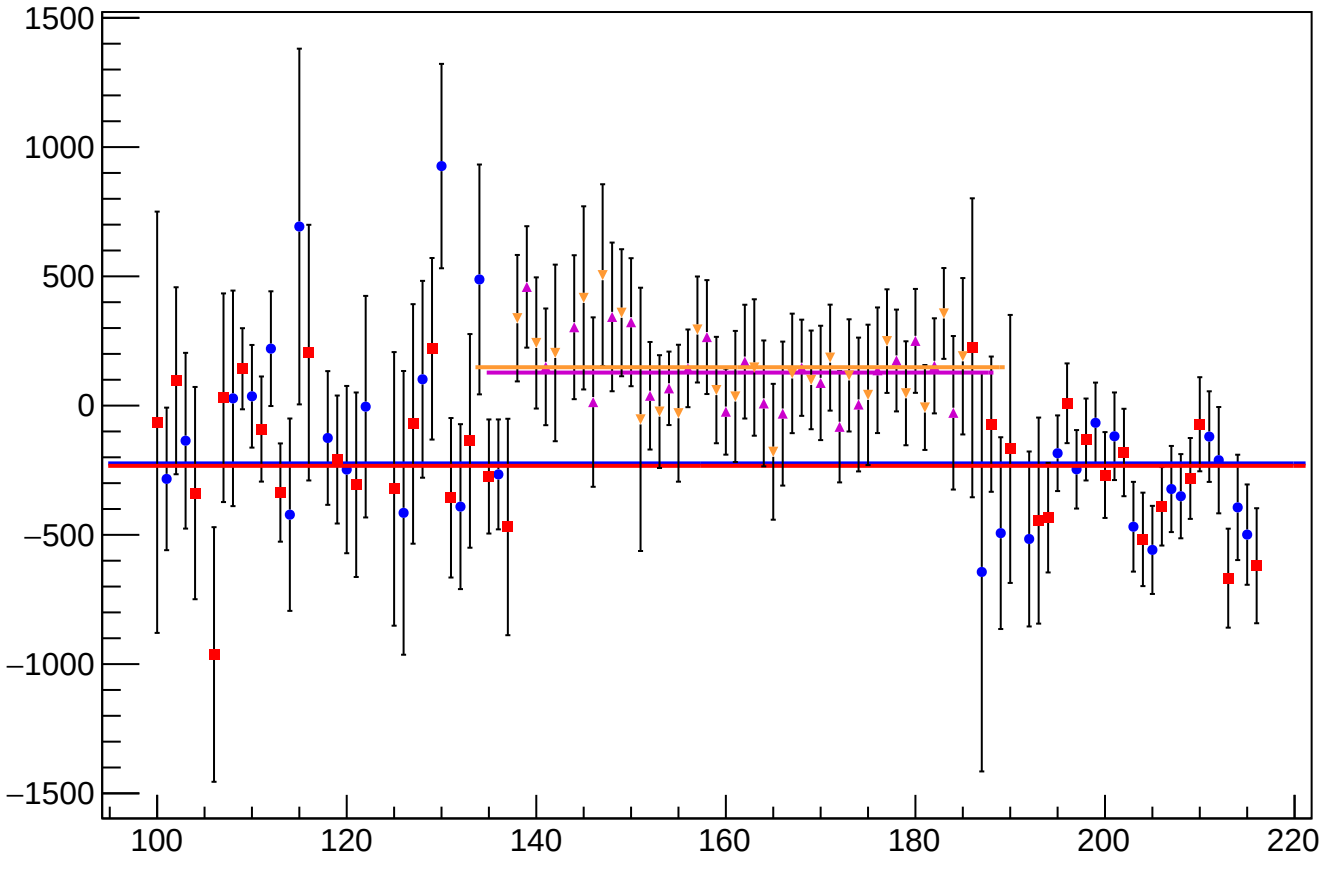
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.324+/-0.001 χ^2/NDF: 570515.6/65

In: 10.437+/-0.001 χ^2/NDF:417862.3/53

Out: 10.507+/-0.001 χ^2/NDF:487856.7/59

All: 10.473+/-0.001 χ^2/NDF: 907393.2/113



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: -233.008+/-40.806 χ^2/NDF: 31.1/32

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

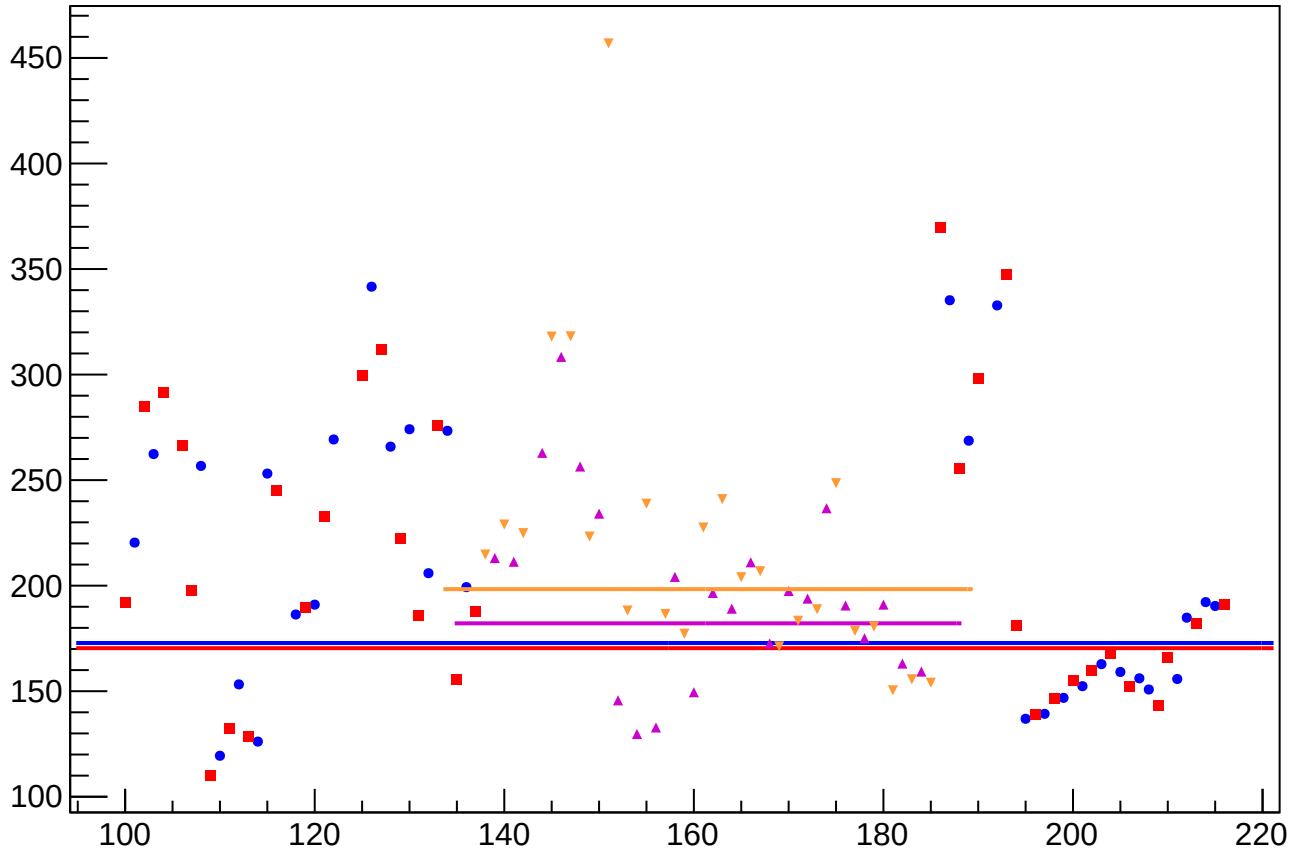
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -228.344+/-28.883 χ^2/NDF: 64.9/63

In: -62.529+/-30.085 χ^2/NDF:75.5/53

Out: -71.899+/-31.013 χ^2/NDF:77.9/56

All: -67.071+/-21.594 χ^2/NDF: 153.4/110



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: 170.389+/-0.029 χ^2/NDF: 2782705.4/32

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

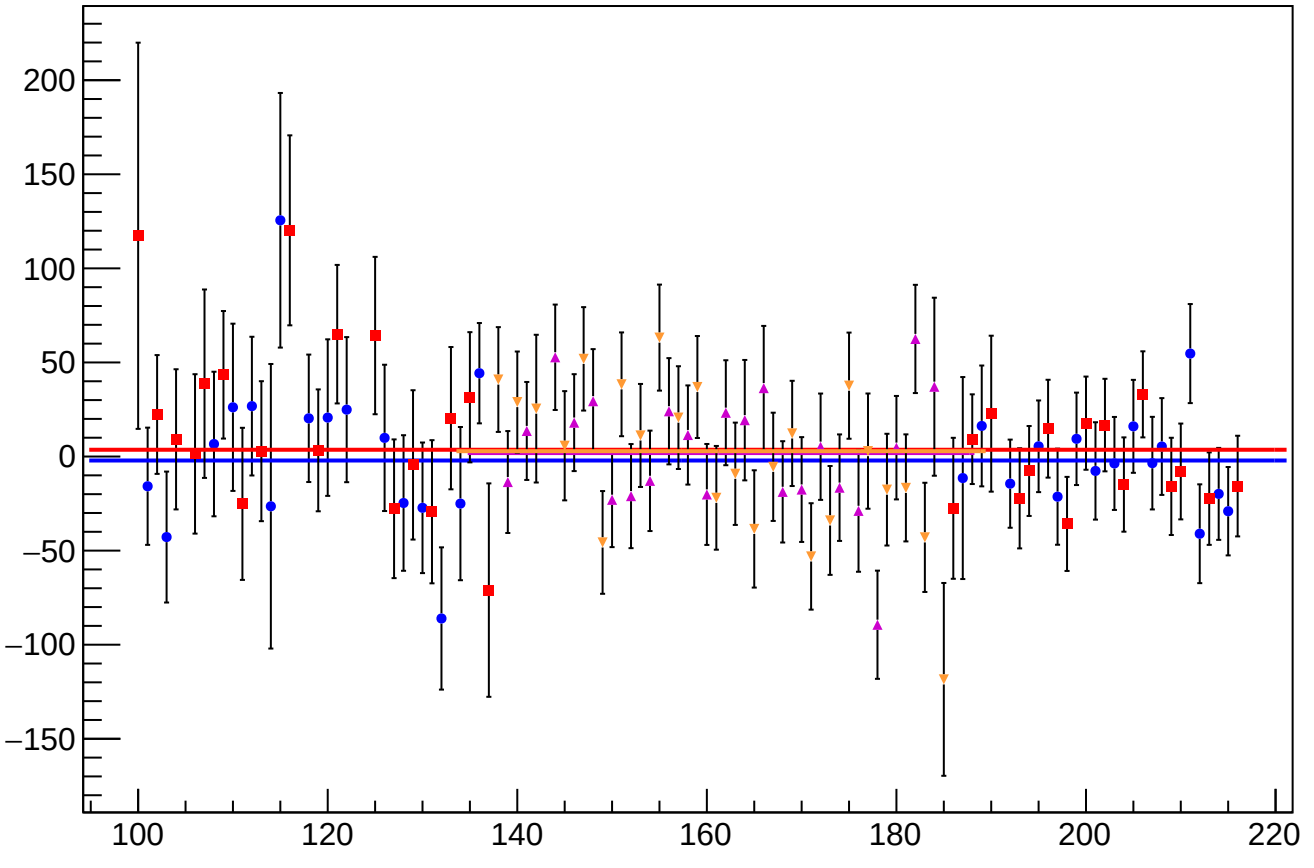
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 171.612+/-0.020 χ^2/NDF: 5100448.1/63

In: 177.110+/-0.021 χ^2/NDF:3946044.2/53

Out: 182.199+/-0.022 χ^2/NDF:4876434.1/56

All: 179.577+/-0.015 χ^2/NDF: 8850224.7/110



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: 3.605+/-5.445 χ^2/NDF: 28.3/32

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

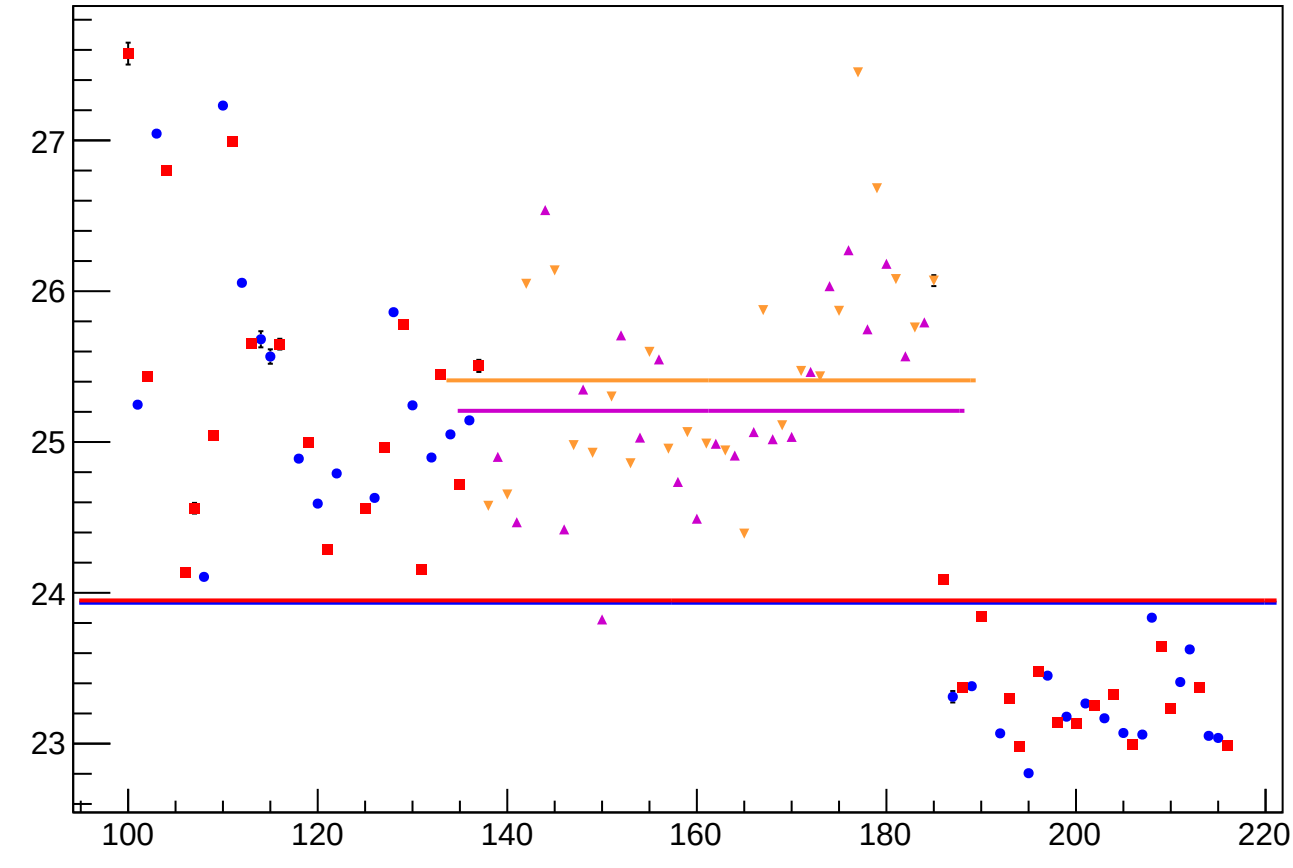
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 0.753+/-3.854 χ^2/NDF: 56.6/63

In: -0.282+/-4.003 χ^2/NDF:56.0/53

Out: 3.258+/-4.003 χ^2/NDF:65.2/56

All: 1.488+/-2.831 χ^2/NDF: 121.7/110



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: 23.950+/-0.004 χ^2/NDF: 75504.1/32

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

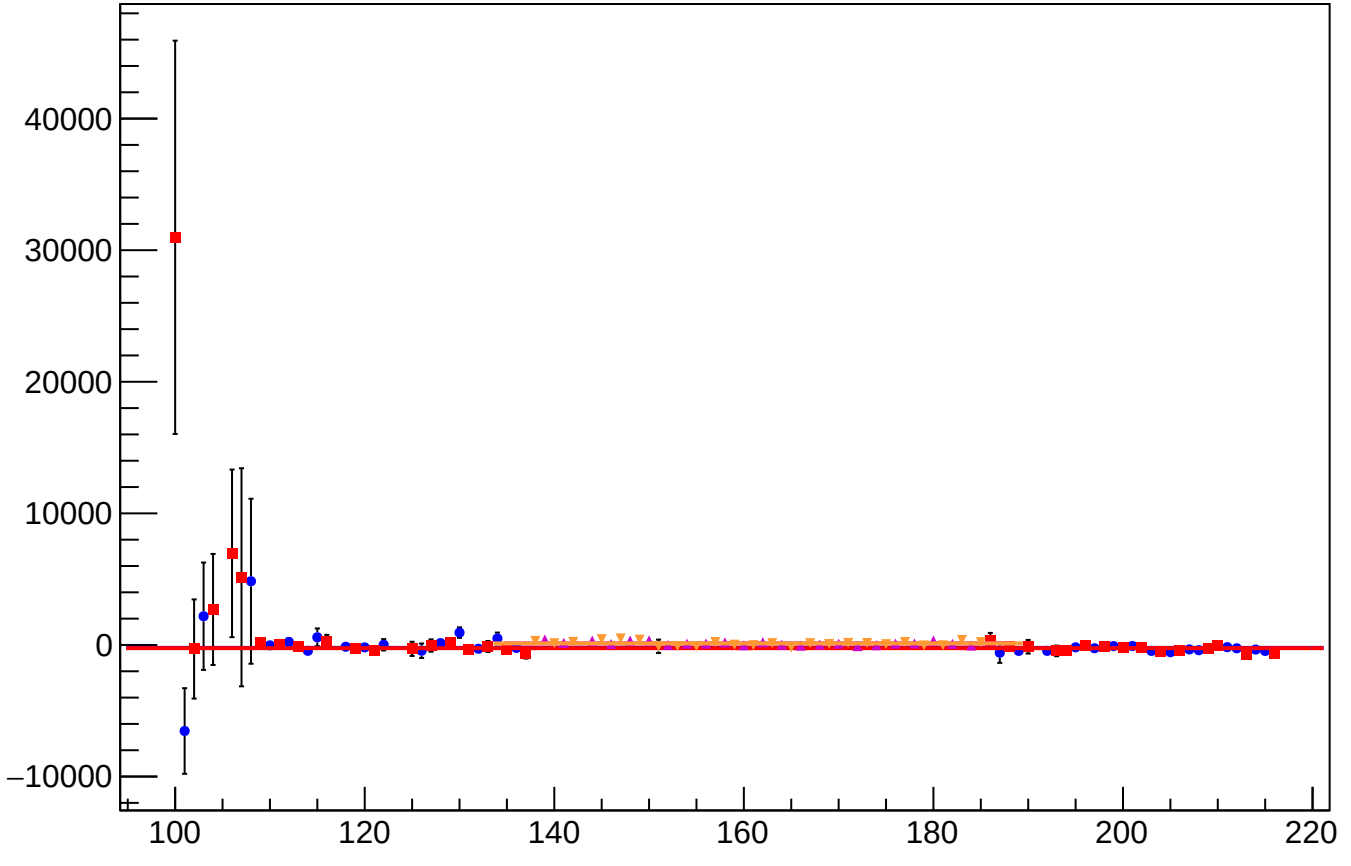
Right: 23.942+/-0.003 χ^2/NDF: 159532.1/63

In: 24.522+/-0.003 χ^2/NDF:160071.5/53

Out: 24.620+/-0.003 χ^2/NDF:168378.5/56

All: 24.571+/-0.002 χ^2/NDF: 329057.3/110

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



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: -243.995+/-42.867 χ^2/NDF: 35.6/32

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

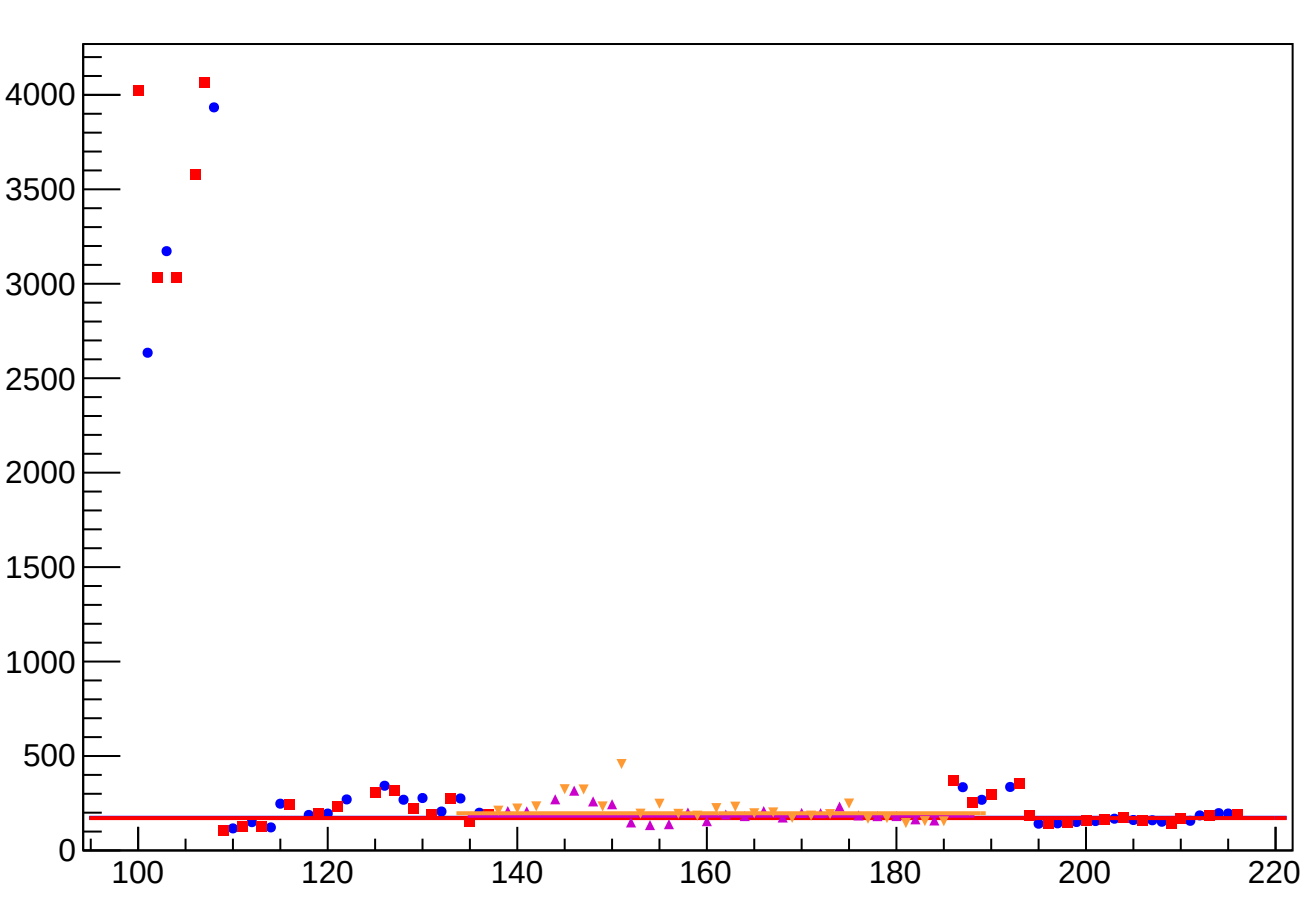
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -233.525+/-30.168 χ^2/NDF: 71.3/63

In: -62.535+/-30.814 χ^2/NDF:74.3/53

Out: -80.285+/-31.806 χ^2/NDF:79.9/56

All: -71.129+/-22.131 χ^2/NDF: 154.4/110



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: 171.256+/-0.030 χ^2/NDF: 5448017.9/32

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

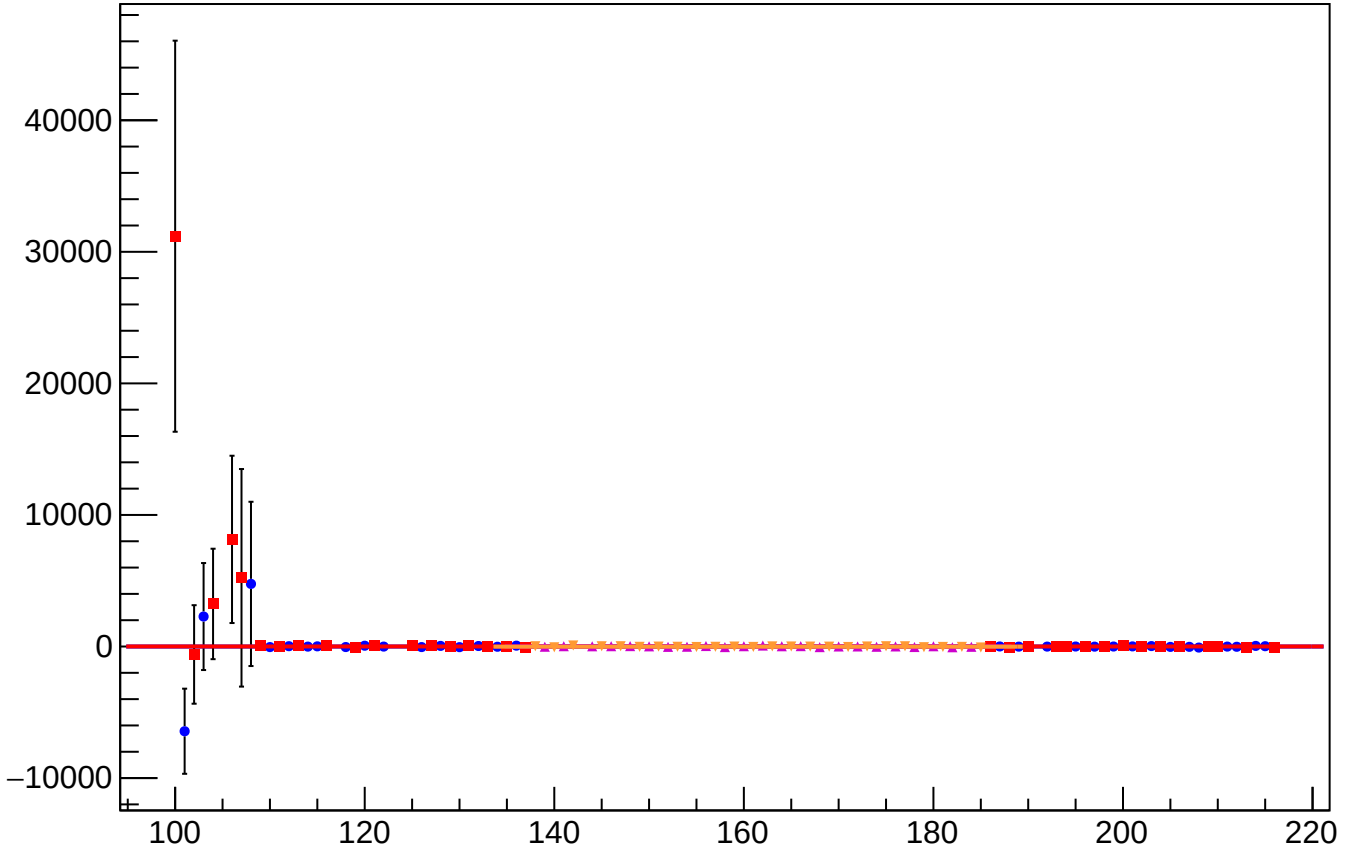
Right: 172.122+/-0.021 χ^2/NDF: 10400145.1/63

In: 178.217+/-0.022 χ^2/NDF:6460377.4/53

Out: 182.798+/-0.022 χ^2/NDF:7579891.9/56

All: 180.435+/-0.016 χ^2/NDF: 14061673.7/1

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: 3.929+/-6.562 χ^2/NDF: 40.3/32

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

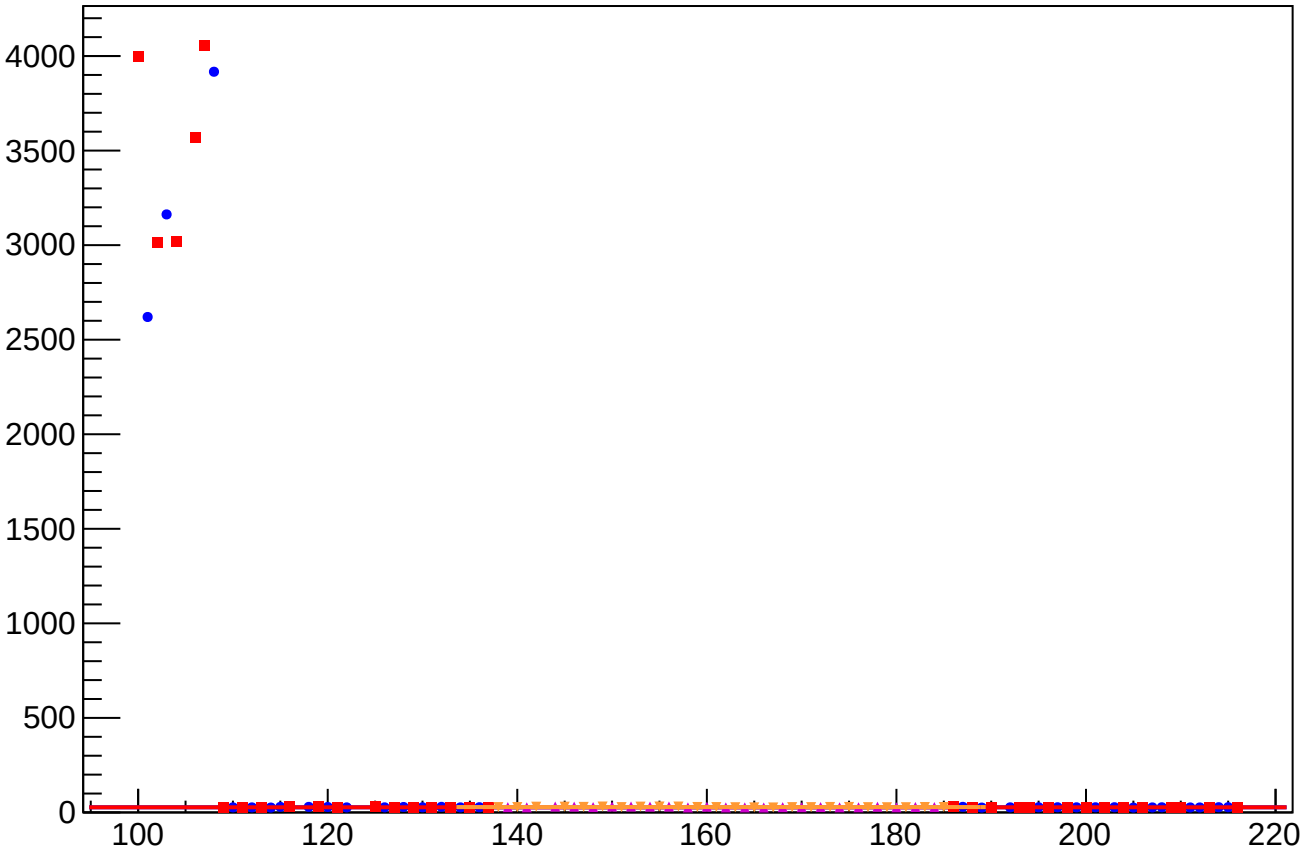
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 1.089+/-4.617 χ^2/NDF: 73.6/63

In: 0.365+/-4.675 χ^2/NDF:55.3/53

Out: -3.487+/-4.672 χ^2/NDF:60.4/56

All: -1.562+/-3.305 χ^2/NDF: 116.0/110



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: 27.253+/-0.005 χ^2/NDF: 3599618.3/32

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

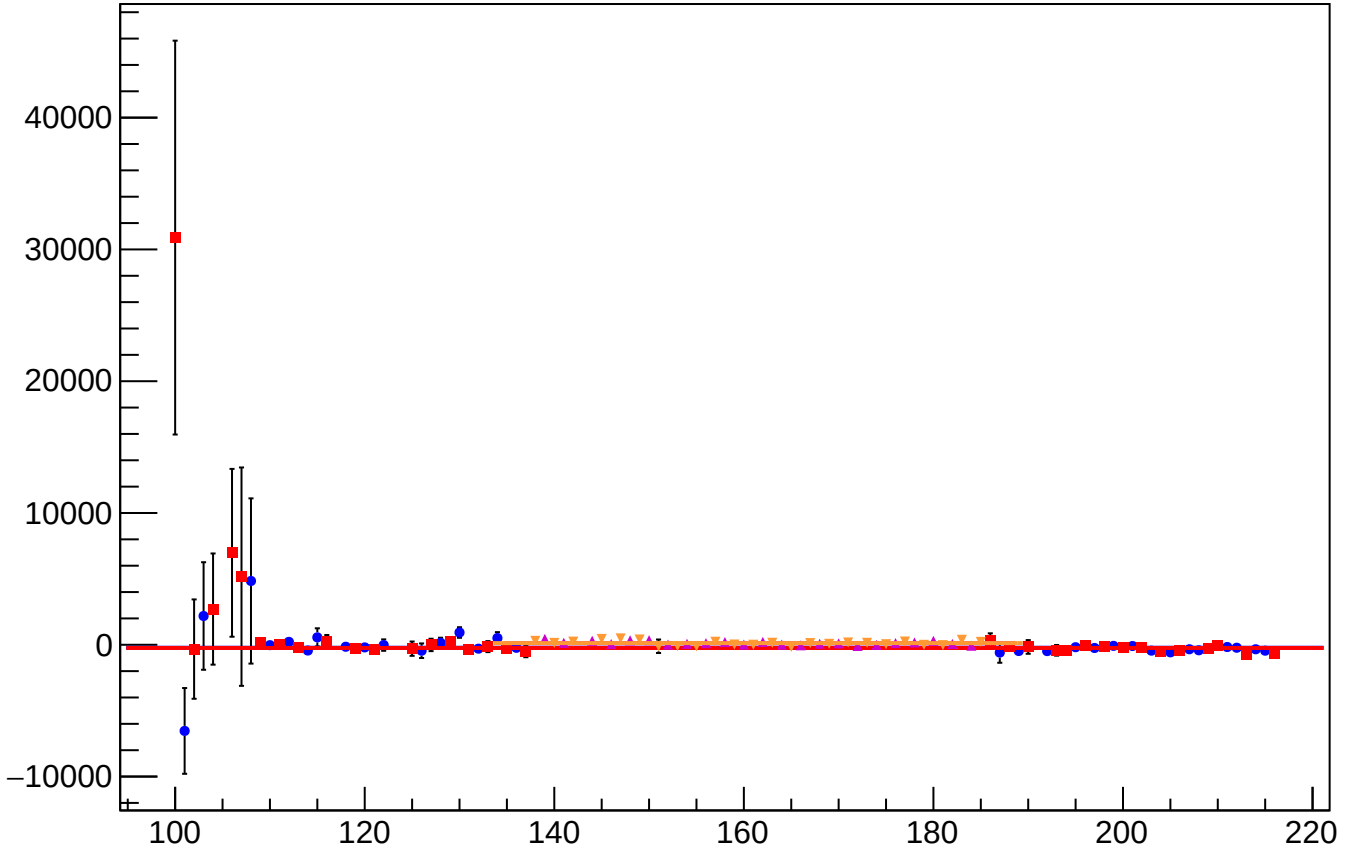
Right: 27.264+/-0.003 χ^2/NDF: 6889526.4/63

In: 27.976+/-0.003 χ^2/NDF:3465452.1/53

Out: 27.913+/-0.003 χ^2/NDF:3721691.7/56

All: 27.945+/-0.002 χ^2/NDF: 7187322.1/110

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



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: -241.094+/-43.037 χ^2/NDF: 33.8/32

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

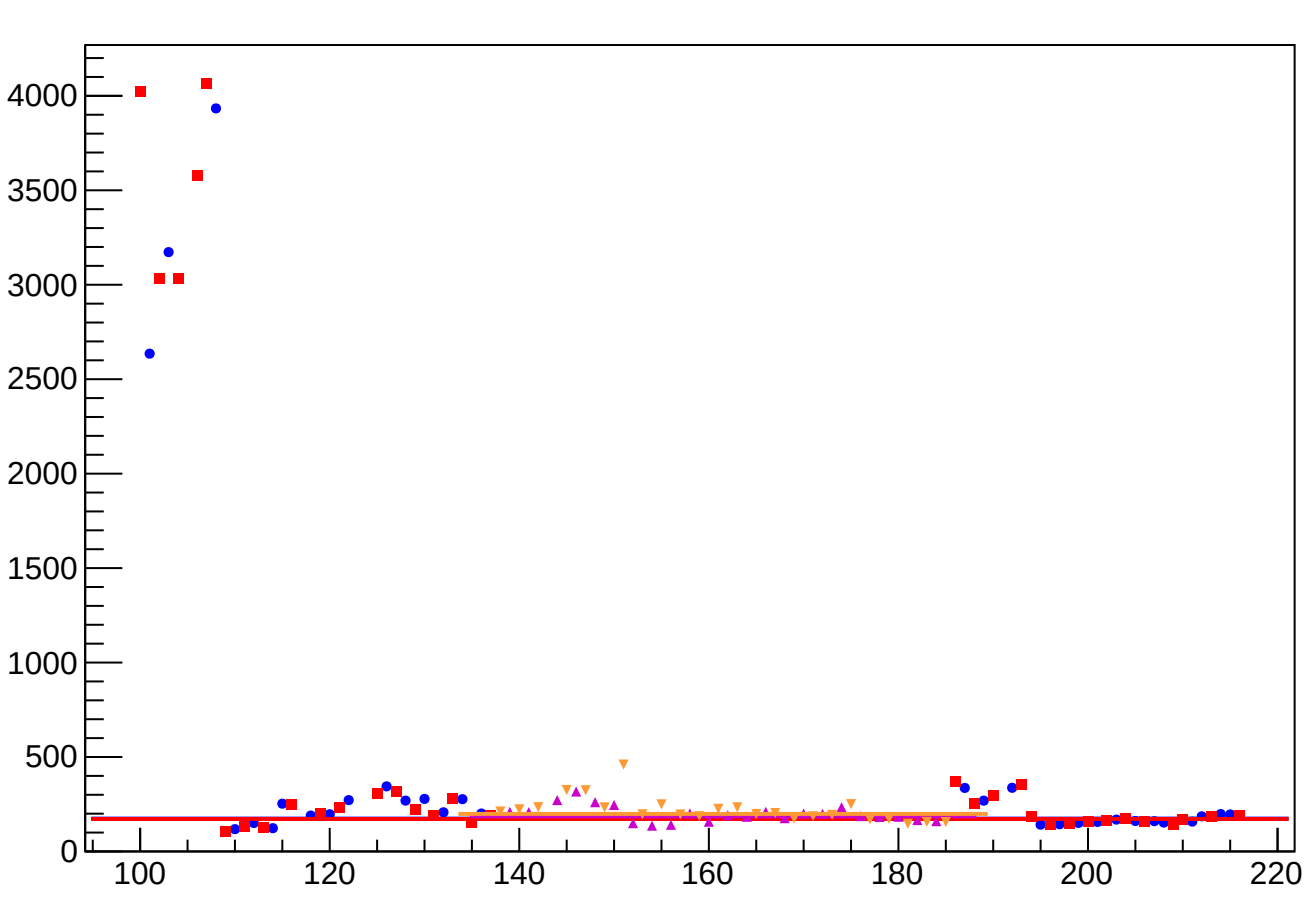
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -234.168+/-30.291 χ^2/NDF: 69.6/63

In: -62.469+/-31.016 χ^2/NDF:75.5/53

Out: -76.773+/-31.999 χ^2/NDF:78.0/56

All: -69.398+/-22.271 χ^2/NDF: 153.6/110



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: 171.980+/-0.030 χ^2/NDF: 5435545.1/32

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

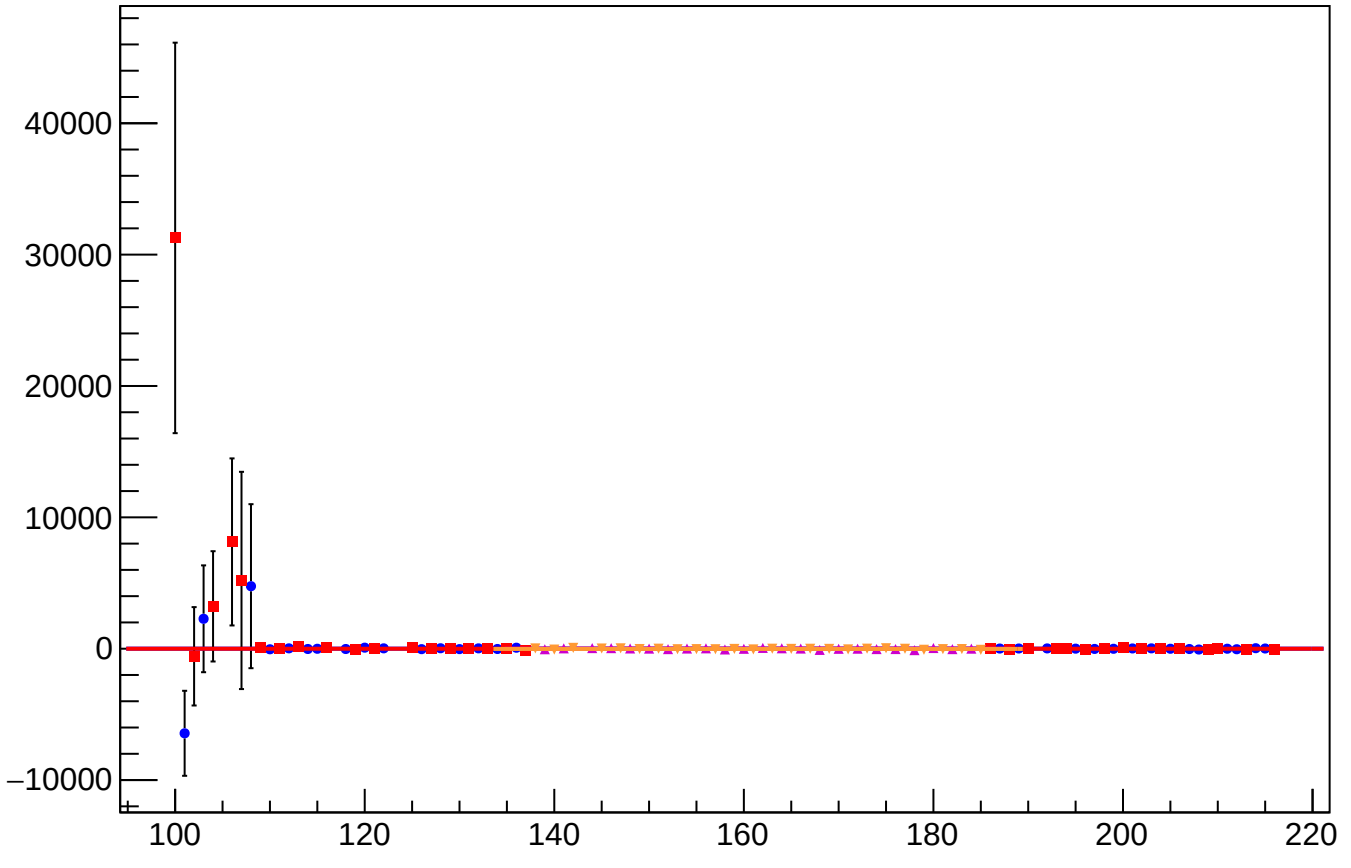
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 172.855+/-0.021 χ^2/NDF: 10381751.9/63

In: 179.438+/-0.022 χ^2/NDF:6426669.2/53

Out: 183.945+/-0.023 χ^2/NDF:7567609.5/56

All: 181.621+/-0.016 χ^2/NDF: 14014729.5/1



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: -1.666+/-7.243 χ^2/NDF: 44.9/32

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

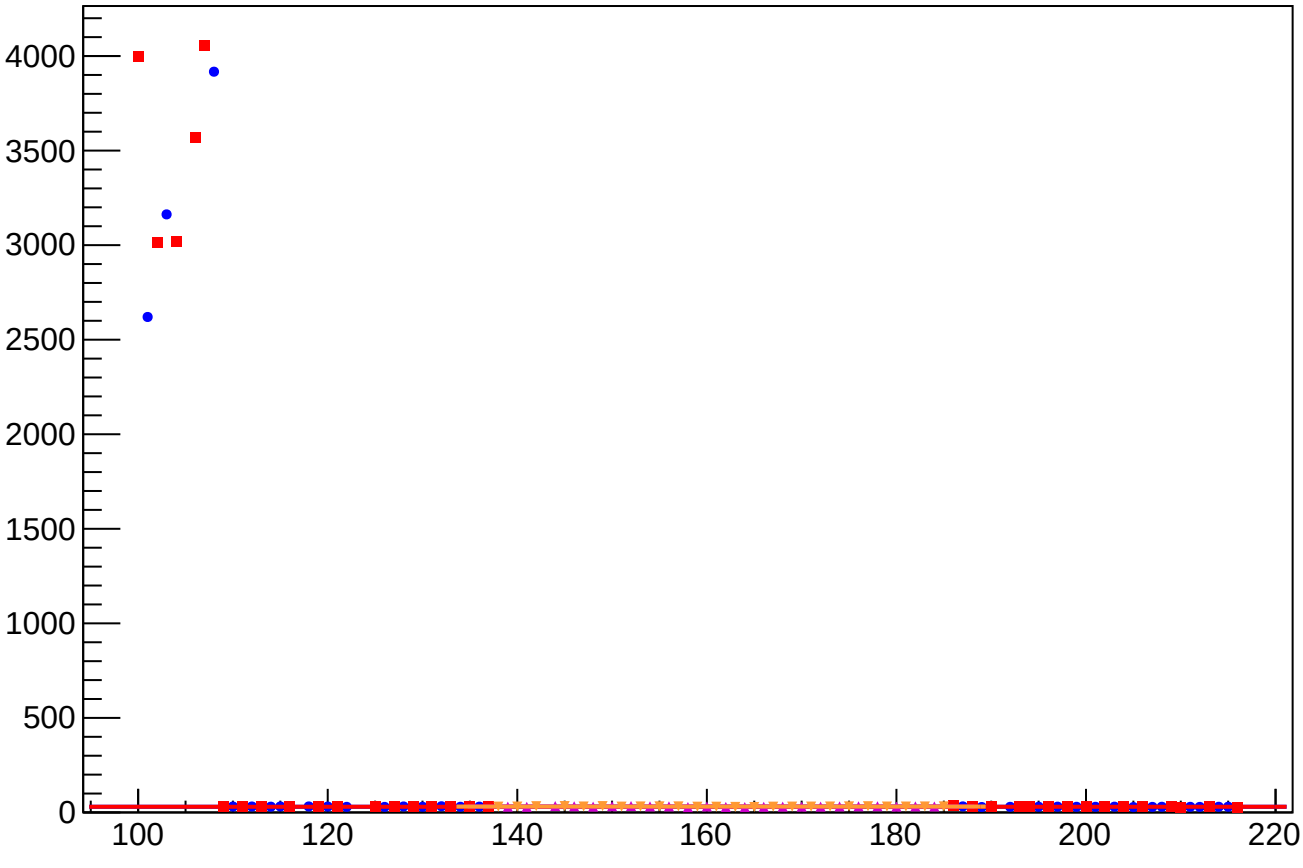
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 0.912+/-5.096 χ^2/NDF: 70.9/63

In: 0.440+/-5.132 χ^2/NDF:61.7/53

Out: -9.908+/-5.127 χ^2/NDF:67.8/56

All: -4.738+/-3.627 χ^2/NDF: 131.5/110



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: 30.102+/-0.005 χ^2/NDF: 3573733.3/32

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

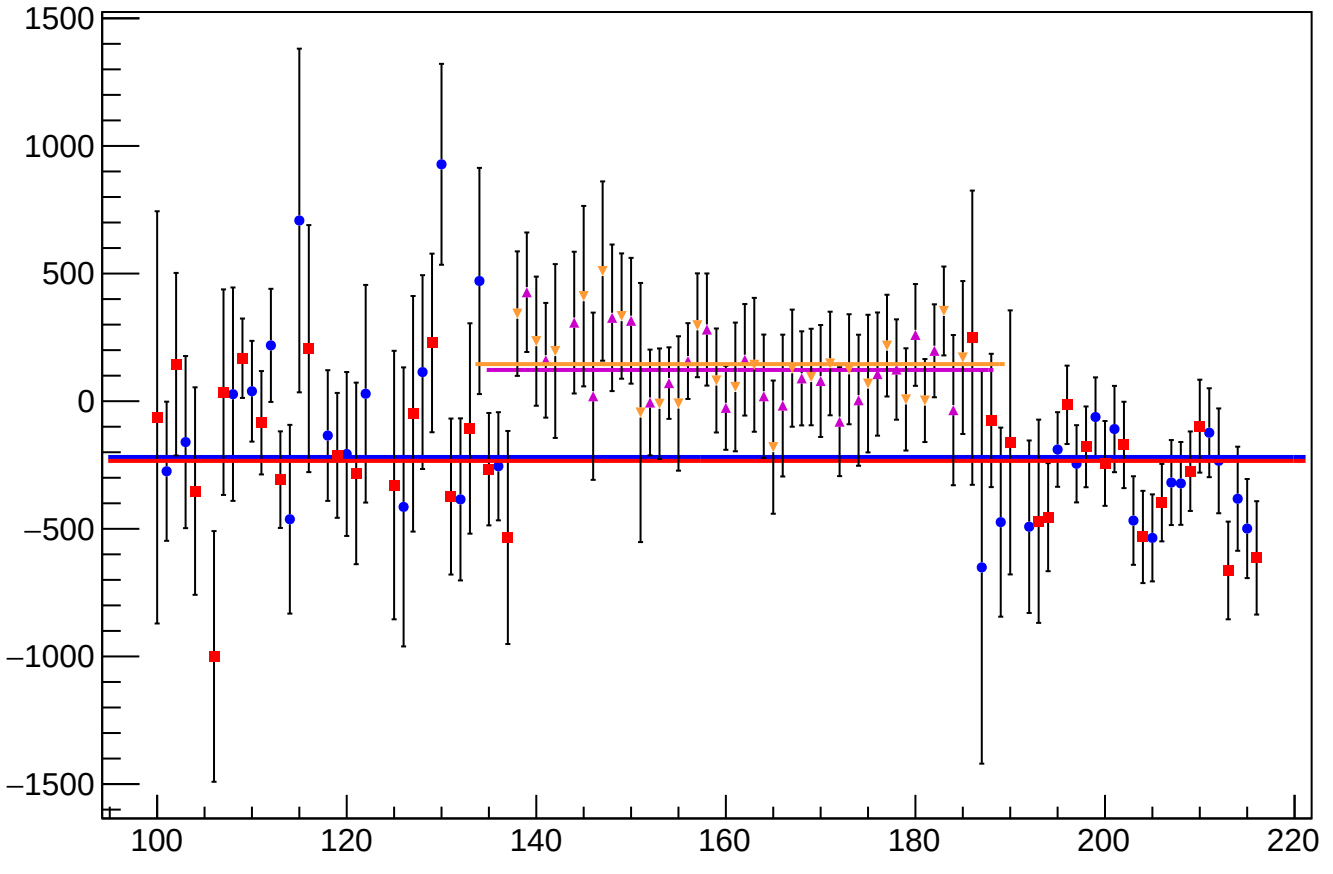
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.106+/-0.004 χ^2/NDF: 6849264.8/63

In: 30.729+/-0.004 χ^2/NDF:3391387.8/53

Out: 30.660+/-0.004 χ^2/NDF:3644987.8/56

All: 30.695+/-0.003 χ^2/NDF: 7036552.0/110



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: -233.895+/-40.676 χ^2/NDF: 32.4/32

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

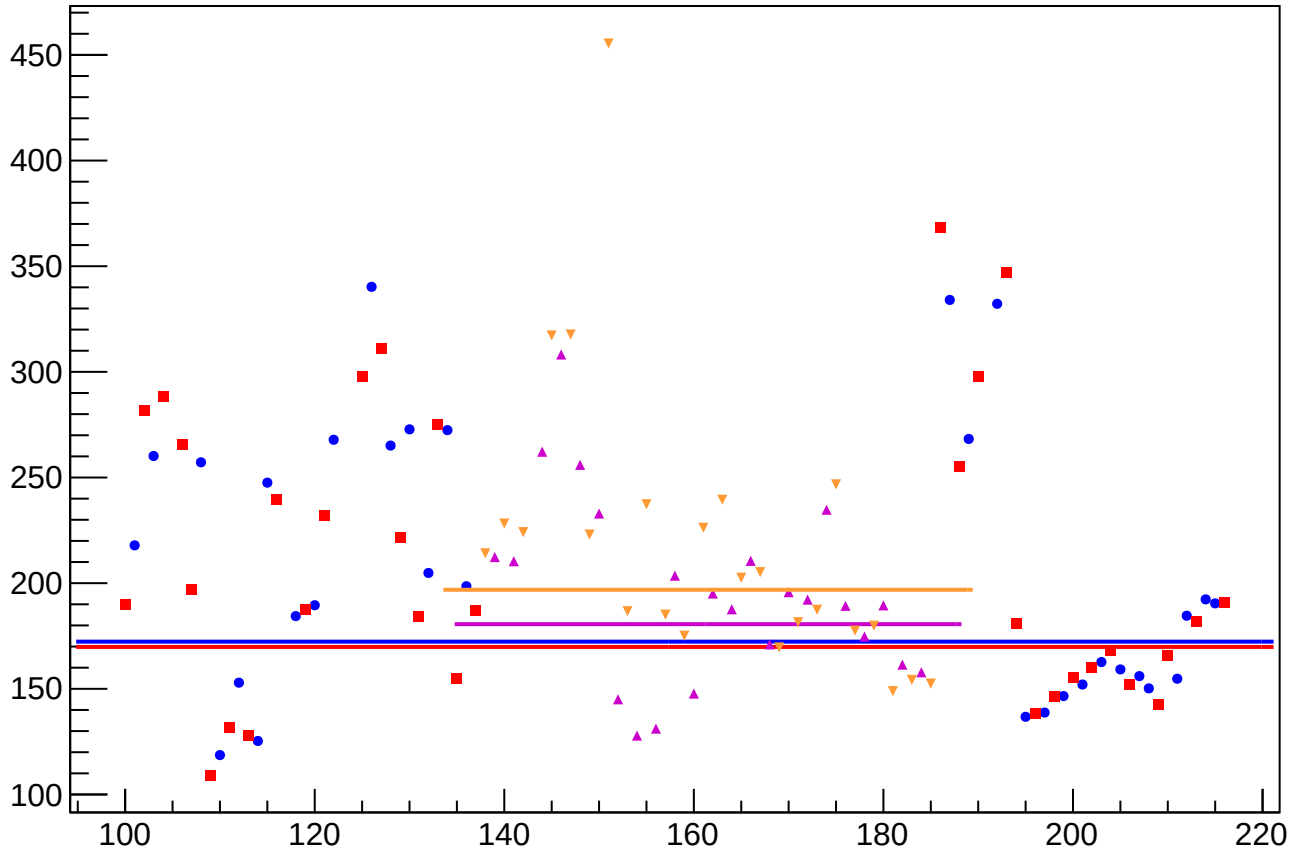
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -226.213+/-28.794 χ^2/NDF: 65.7/63

In: -61.361+/-29.929 χ^2/NDF:73.3/53

Out: -73.034+/-30.866 χ^2/NDF:78.7/56

All: -67.018+/-21.487 χ^2/NDF: 152.0/110



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: 169.828+/-0.029 χ^2/NDF: 2780402.4/32

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

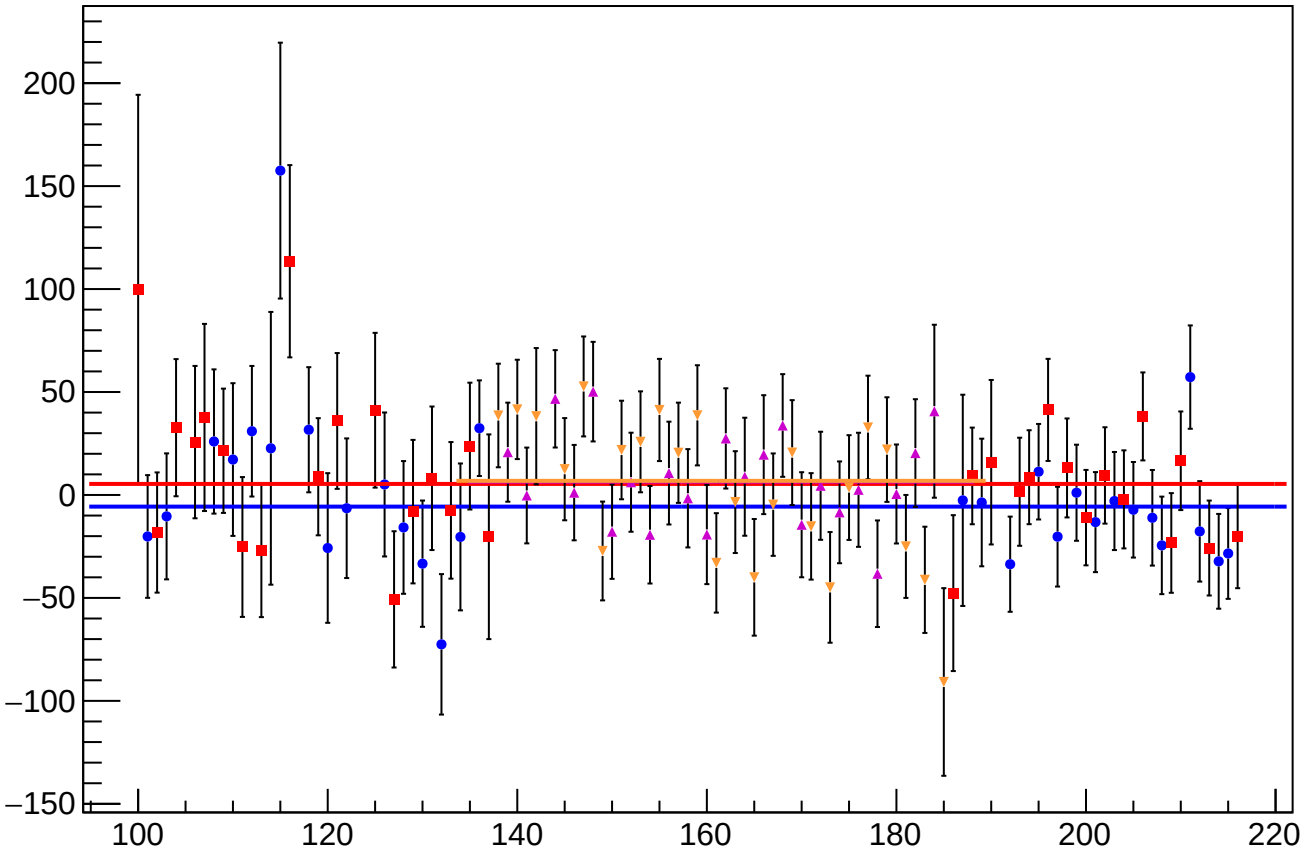
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 171.079+/-0.020 χ^2/NDF: 5091876.4/63

In: 176.146+/-0.021 χ^2/NDF:3973663.4/53

Out: 181.301+/-0.022 χ^2/NDF:4880553.3/56

All: 178.644+/-0.015 χ^2/NDF: 8882968.0/110



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: 5.363+/-5.064 χ^2/NDF: 27.9/32

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

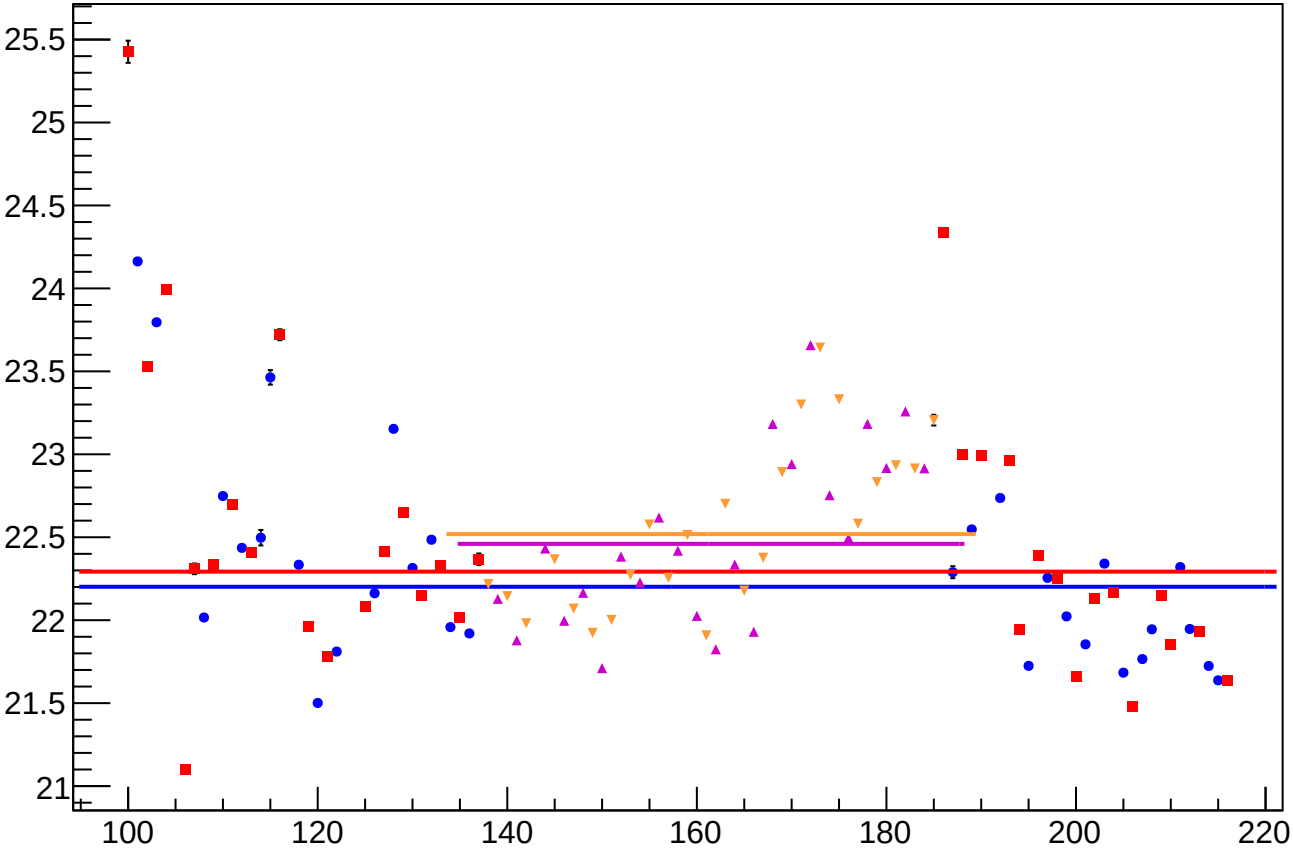
Right: -0.158+/-3.578 χ^2/NDF: 61.9/63

In: 0.186+/-3.640 χ^2/NDF:51.8/53

Out: 6.086+/-3.638 χ^2/NDF:64.8/56

All: 3.138+/-2.573 χ^2/NDF: 117.9/110

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: 22.293+/-0.004 χ^2/NDF: 33737.0/32

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

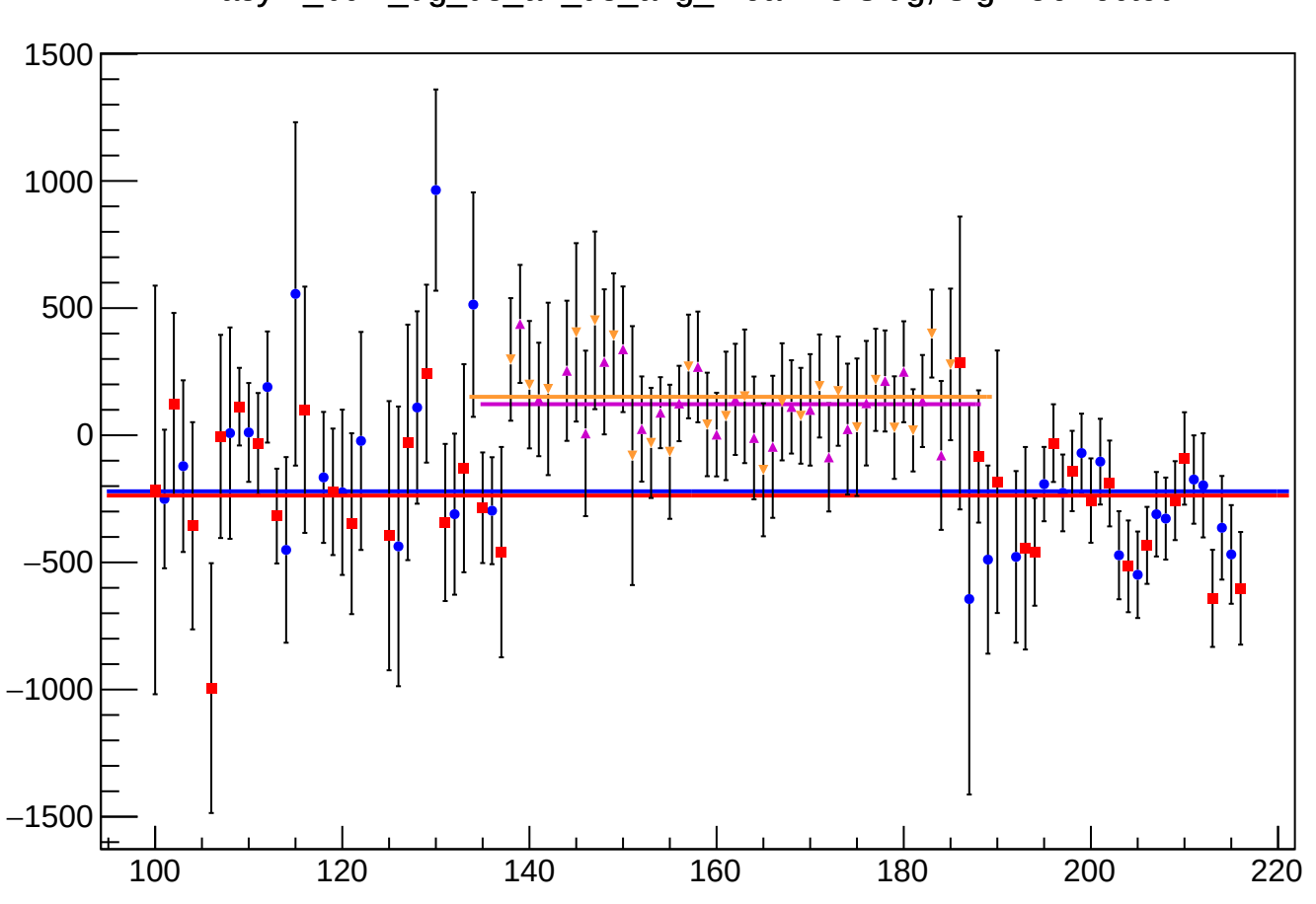
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.247+/-0.003 χ^2/NDF: 60112.2/63

In: 22.326+/-0.003 χ^2/NDF:47689.1/53

Out: 22.402+/-0.003 χ^2/NDF:51667.2/56

All: 22.364+/-0.002 χ^2/NDF: 99794.4/110



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: -237.156+/-40.512 χ^2/NDF: 30.3/32

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

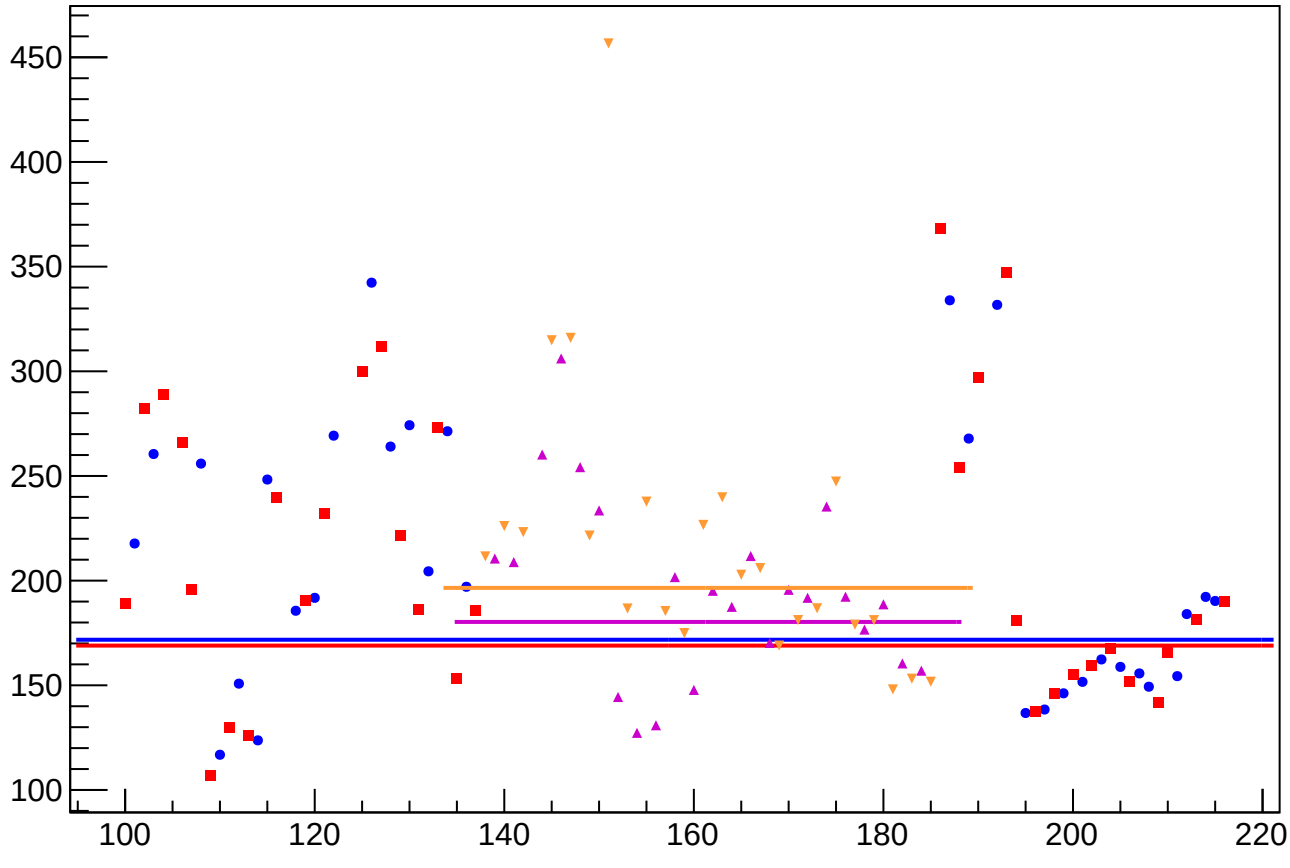
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -228.786+/-28.695 χ^2/NDF: 62.2/63

In: -62.653+/-29.860 χ^2/NDF:72.0/53

Out: -72.922+/-30.773 χ^2/NDF:79.1/56

All: -67.633+/-21.430 χ^2/NDF: 151.2/110



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: 168.973+/-0.029 χ^2/NDF: 2848724.1/32

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

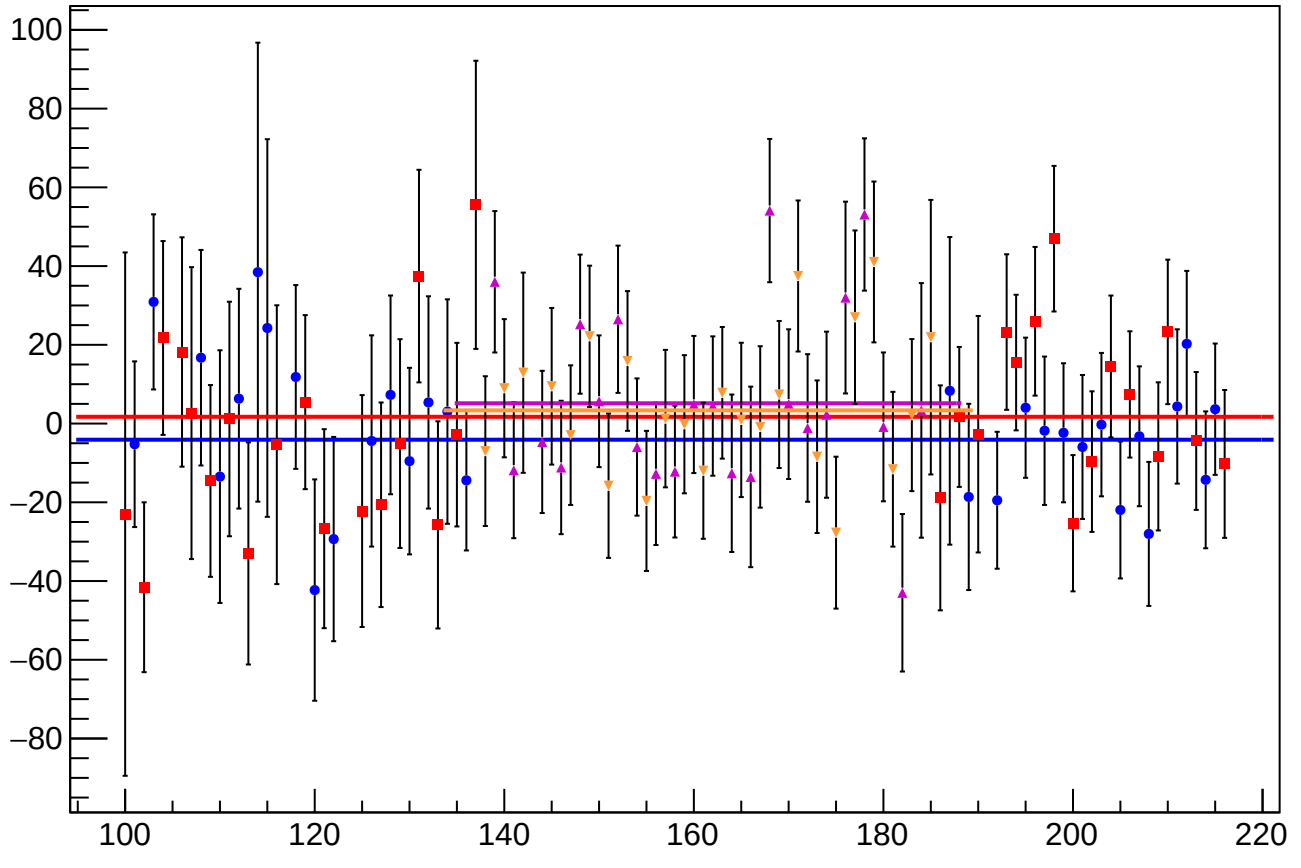
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 170.366+/-0.020 χ^2/NDF: 5193290.1/63

In: 175.684+/-0.021 χ^2/NDF:4004839.9/53

Out: 180.631+/-0.022 χ^2/NDF:4968130.0/56

All: 178.083+/-0.015 χ^2/NDF: 8999592.2/110



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: 1.718+/-3.882 χ^2/NDF: 30.6/32

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

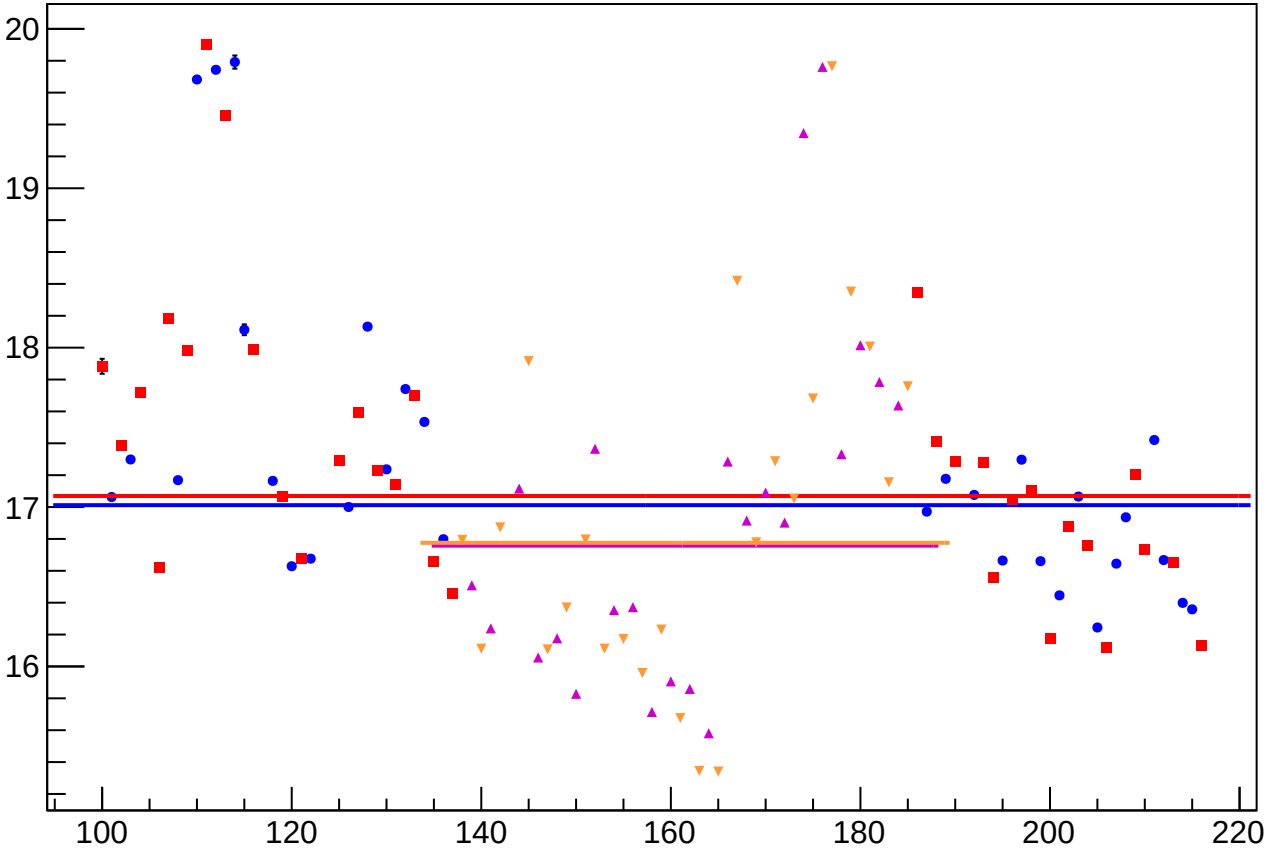
Right: -1.195+/-2.744 χ^2/NDF: 46.7/63

In: 0.469+/-2.758 χ^2/NDF:50.1/53

Out: 2.534+/-2.753 χ^2/NDF:48.4/56

All: 1.504+/-1.949 χ^2/NDF: 98.8/110

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: 17.069+/-0.003 χ^2/NDF: 71696.4/32

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

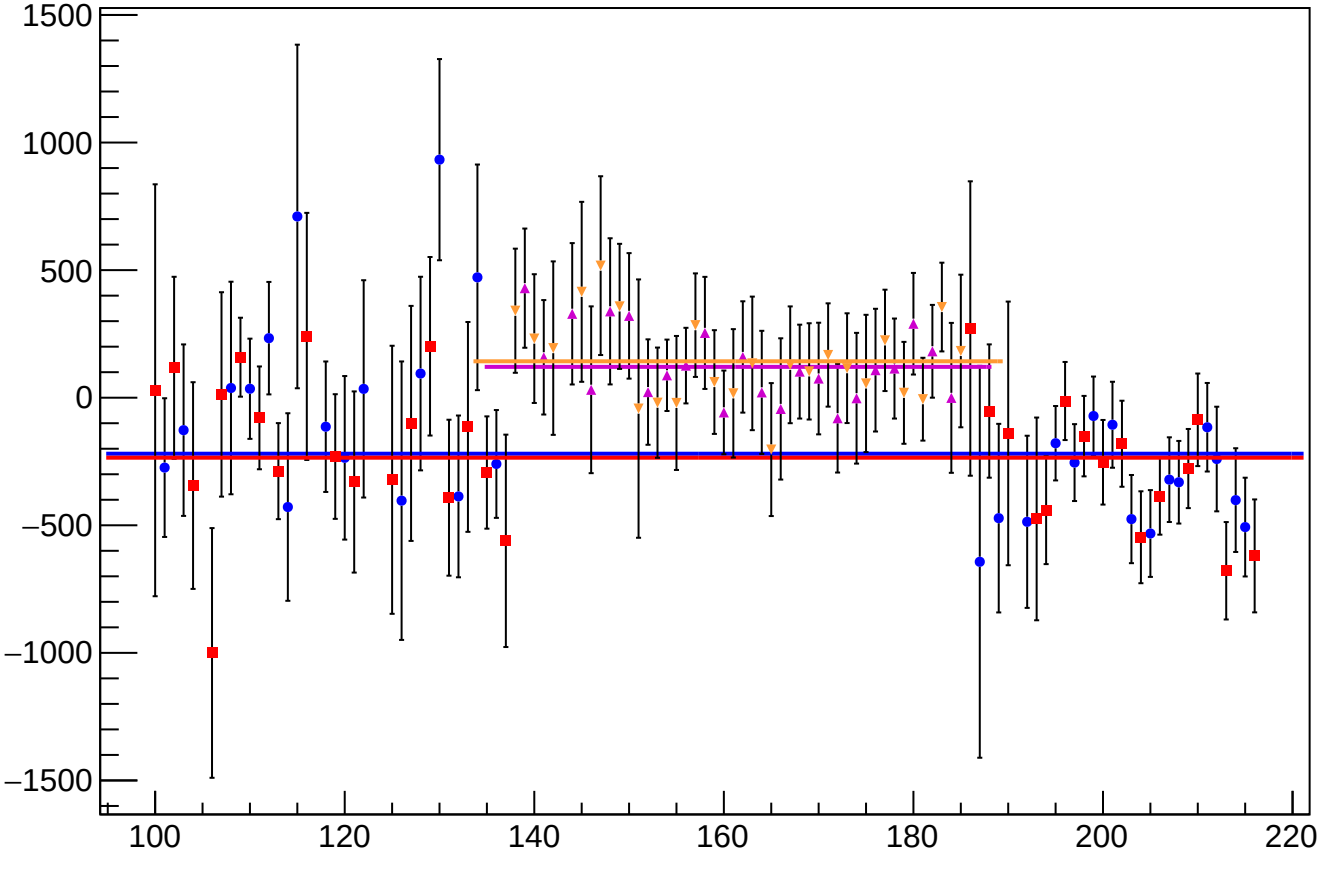
Right: 17.041+/-0.002 χ^2/NDF: 134225.2/63

In: 16.886+/-0.002 χ^2/NDF:189857.4/53

Out: 16.923+/-0.002 χ^2/NDF:213531.8/56

All: 16.905+/-0.001 χ^2/NDF: 403570.8/110

asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected



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: -235.088+/-40.554 χ^2/NDF: 33.1/32

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

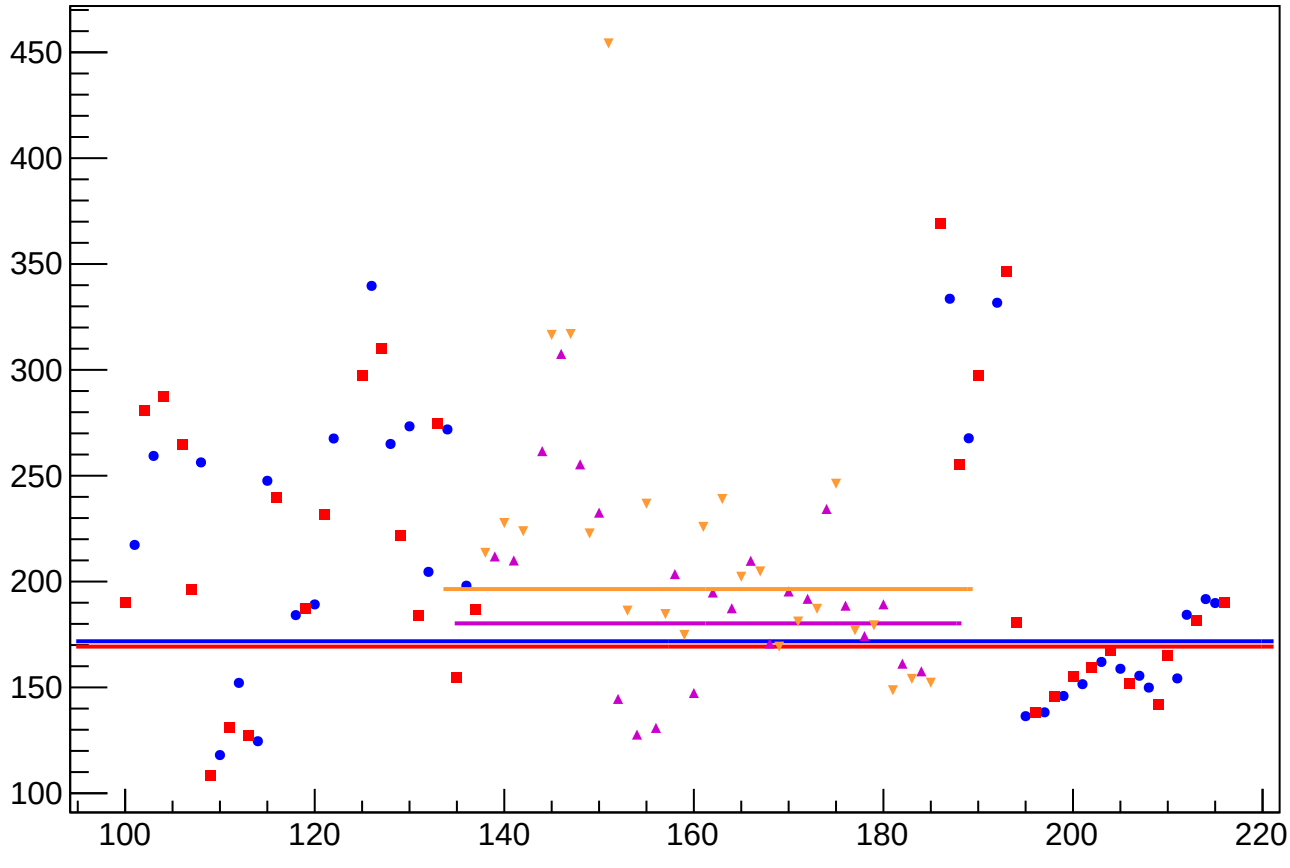
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -227.312+/-28.707 χ^2/NDF: 67.2/63

In: -62.765+/-29.853 χ^2/NDF:74.5/53

Out: -74.986+/-30.784 χ^2/NDF:80.1/56

All: -68.688+/-21.431 χ^2/NDF: 154.7/110



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: 169.278+/-0.029 χ^2/NDF: 2797691.9/32

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

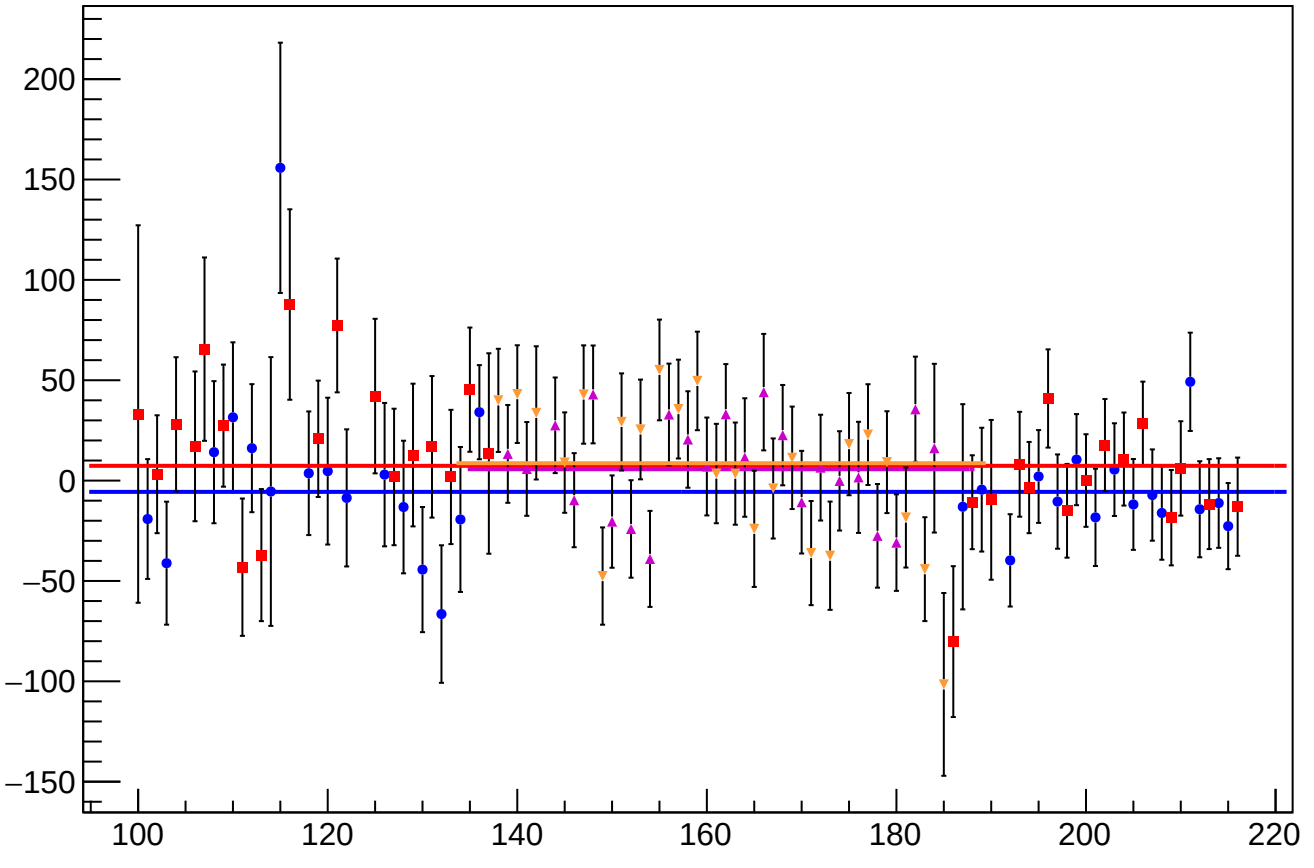
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 170.530+/-0.020 χ^2/NDF: 5121975.6/63

In: 175.683+/-0.021 χ^2/NDF:3988147.5/53

Out: 180.794+/-0.022 χ^2/NDF:4901764.7/56

All: 178.160+/-0.015 χ^2/NDF: 8918325.0/110



Right In: -5.609+/-5.010 χ^2/NDF: 27.5/30

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 7.366+/-5.034 χ^2/NDF: 29.7/32

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

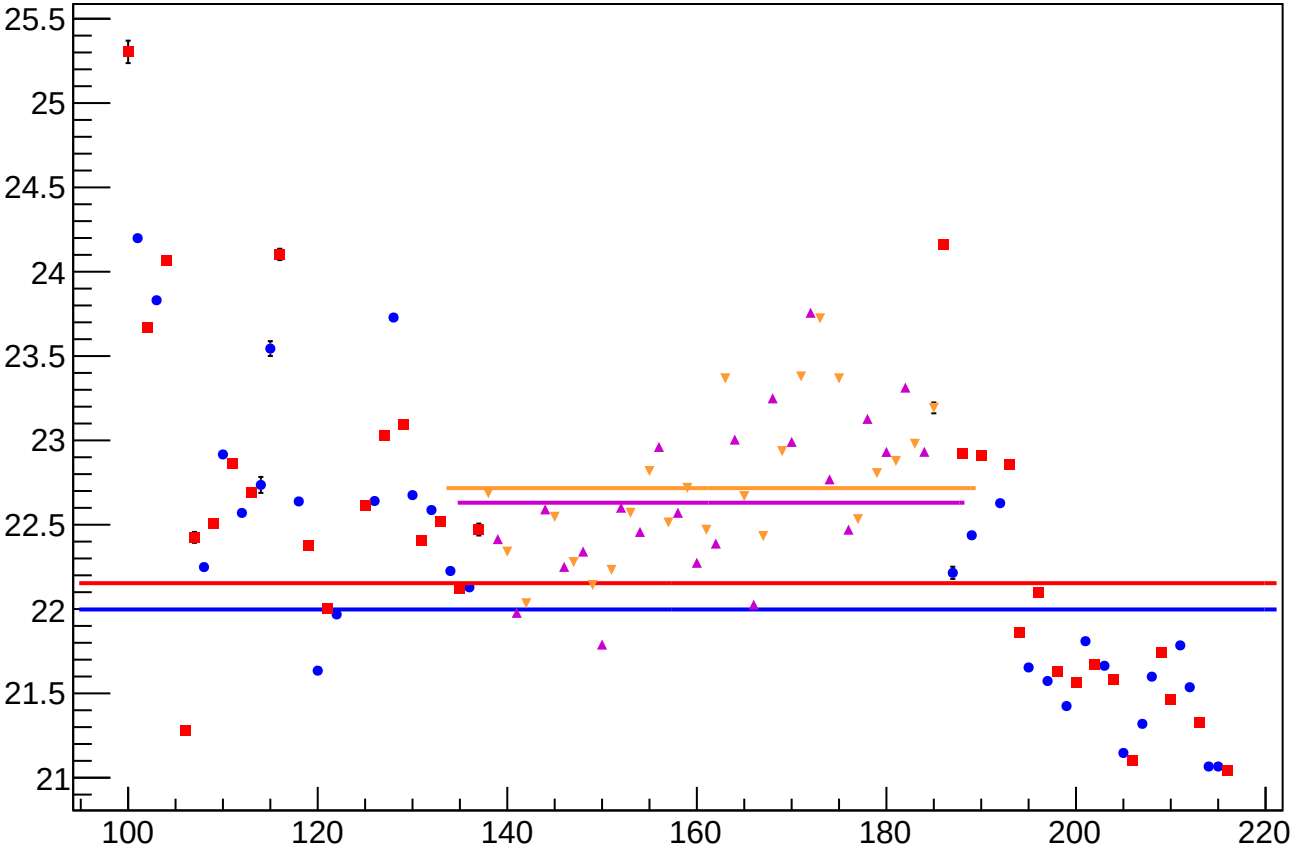
Right: 0.848+/-3.551 χ^2/NDF: 60.6/63

In: -0.273+/-3.636 χ^2/NDF:50.7/53

Out: 7.985+/-3.642 χ^2/NDF:68.9/56

All: 3.850+/-2.573 χ^2/NDF: 122.2/110

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: 22.154+/-0.004 χ^2/NDF: 52959.6/32

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

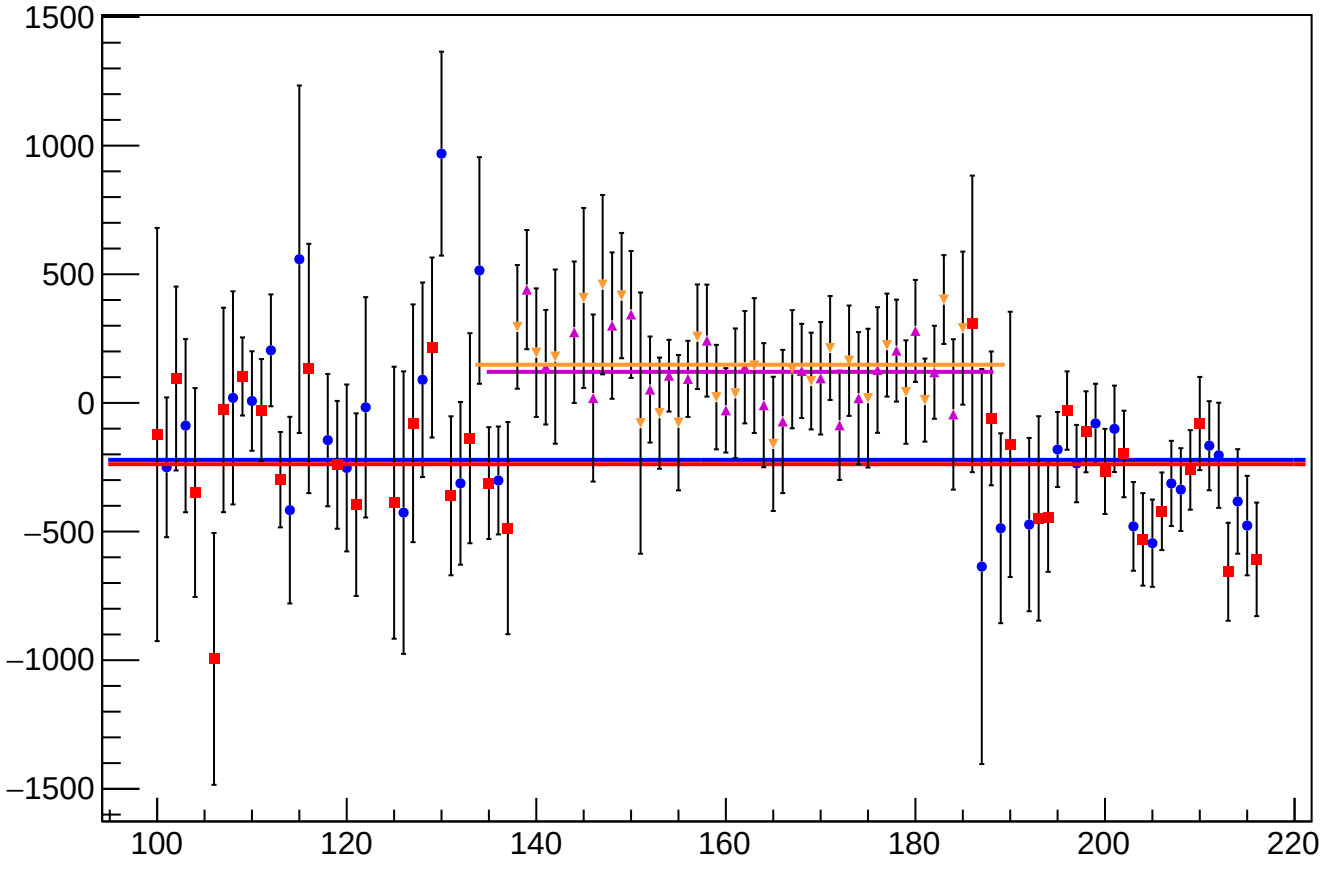
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.075+/-0.003 χ^2/NDF: 102465.8/63

In: 22.297+/-0.003 χ^2/NDF:79038.1/53

Out: 22.422+/-0.003 χ^2/NDF:77080.8/56

All: 22.359+/-0.002 χ^2/NDF: 157298.3/110



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: -238.319+/-40.389 χ^2/NDF: 31.0/32

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

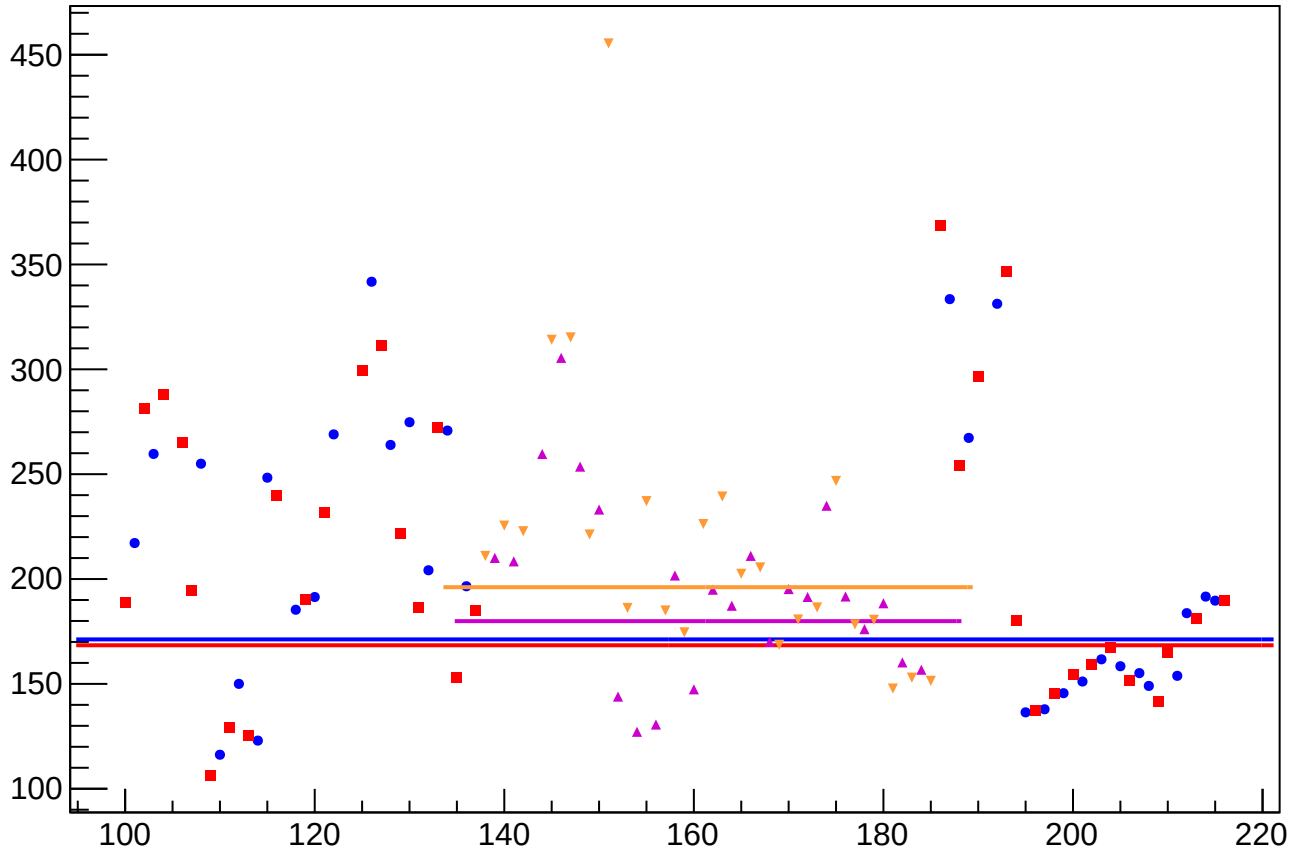
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -229.860+/-28.608 χ^2/NDF: 63.7/63

In: -64.015+/-29.784 χ^2/NDF:73.2/53

Out: -74.893+/-30.691 χ^2/NDF:80.7/56

All: -69.291+/-21.374 χ^2/NDF: 154.0/110



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: 168.418+/-0.029 χ^2/NDF: 2866871.4/32

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

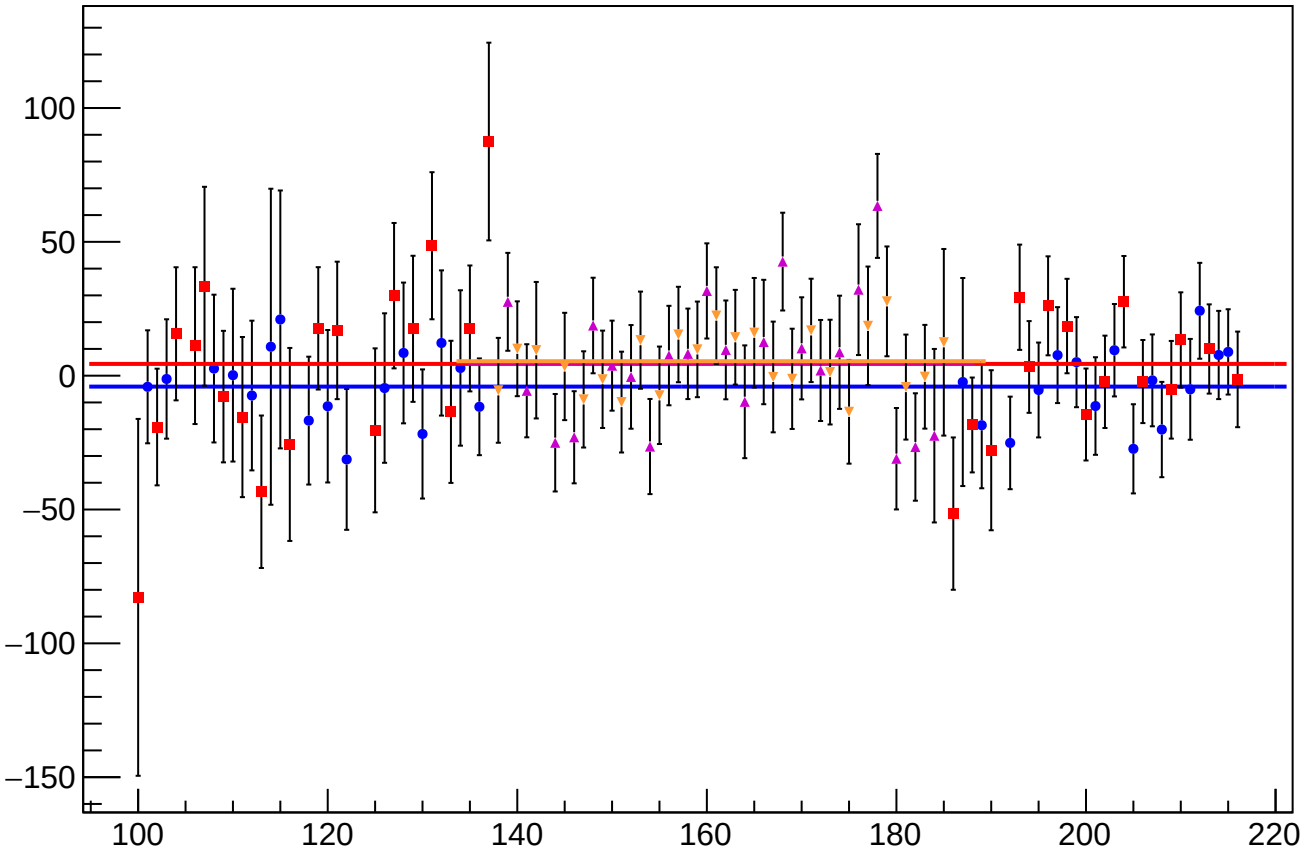
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 169.812+/-0.020 χ^2/NDF: 5224760.0/63

In: 175.220+/-0.021 χ^2/NDF:4019721.0/53

Out: 180.121+/-0.022 χ^2/NDF:4990520.3/56

All: 177.597+/-0.015 χ^2/NDF: 9036503.5/110



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: 4.399+/-3.835 χ^2/NDF: 33.2/32

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

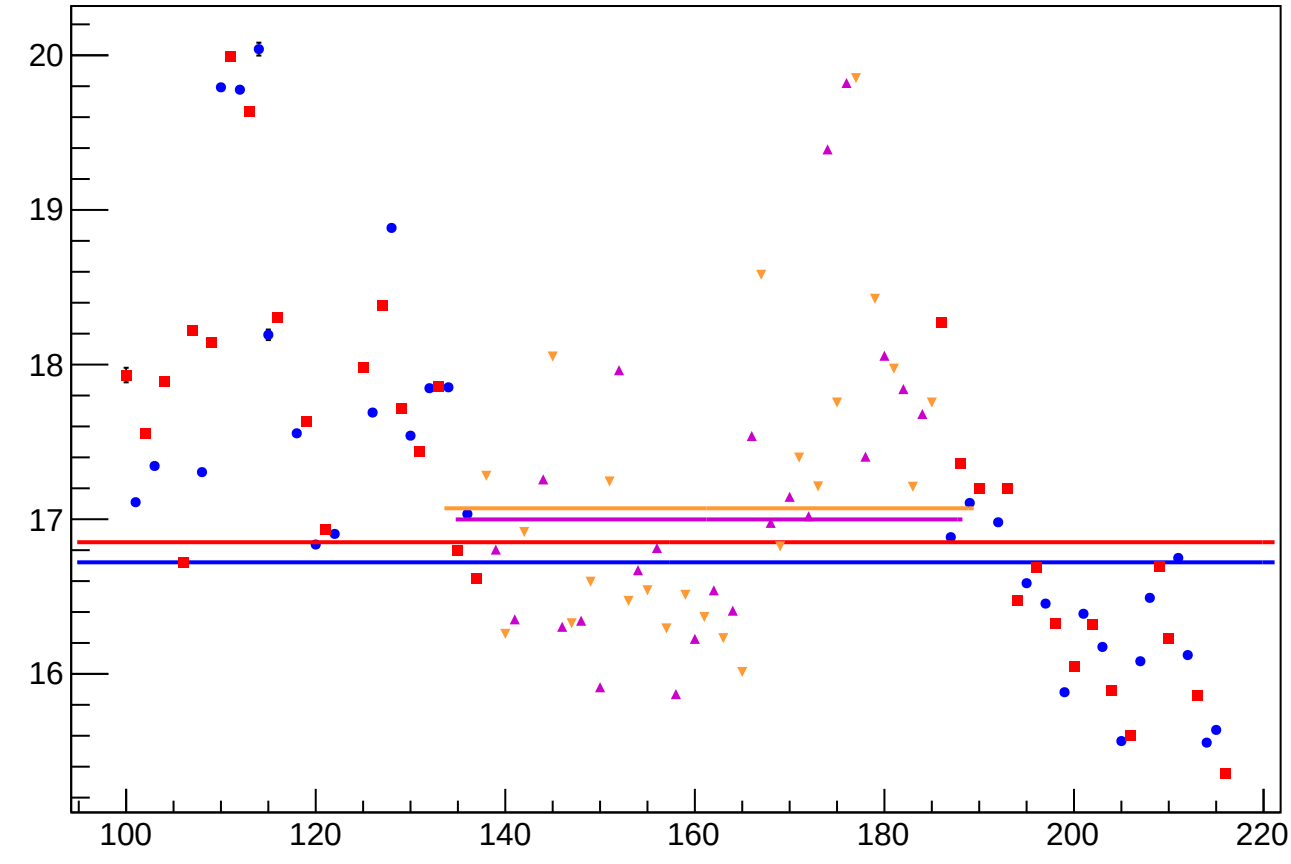
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: 0.136+/-2.705 χ^2/NDF: 48.7/63

In: 0.199+/-2.754 χ^2/NDF:51.2/53

Out: 4.885+/-2.759 χ^2/NDF:41.0/56

All: 2.537+/-1.949 χ^2/NDF: 93.6/110



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: 16.851+/-0.003 χ^2/NDF: 135656.7/32

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

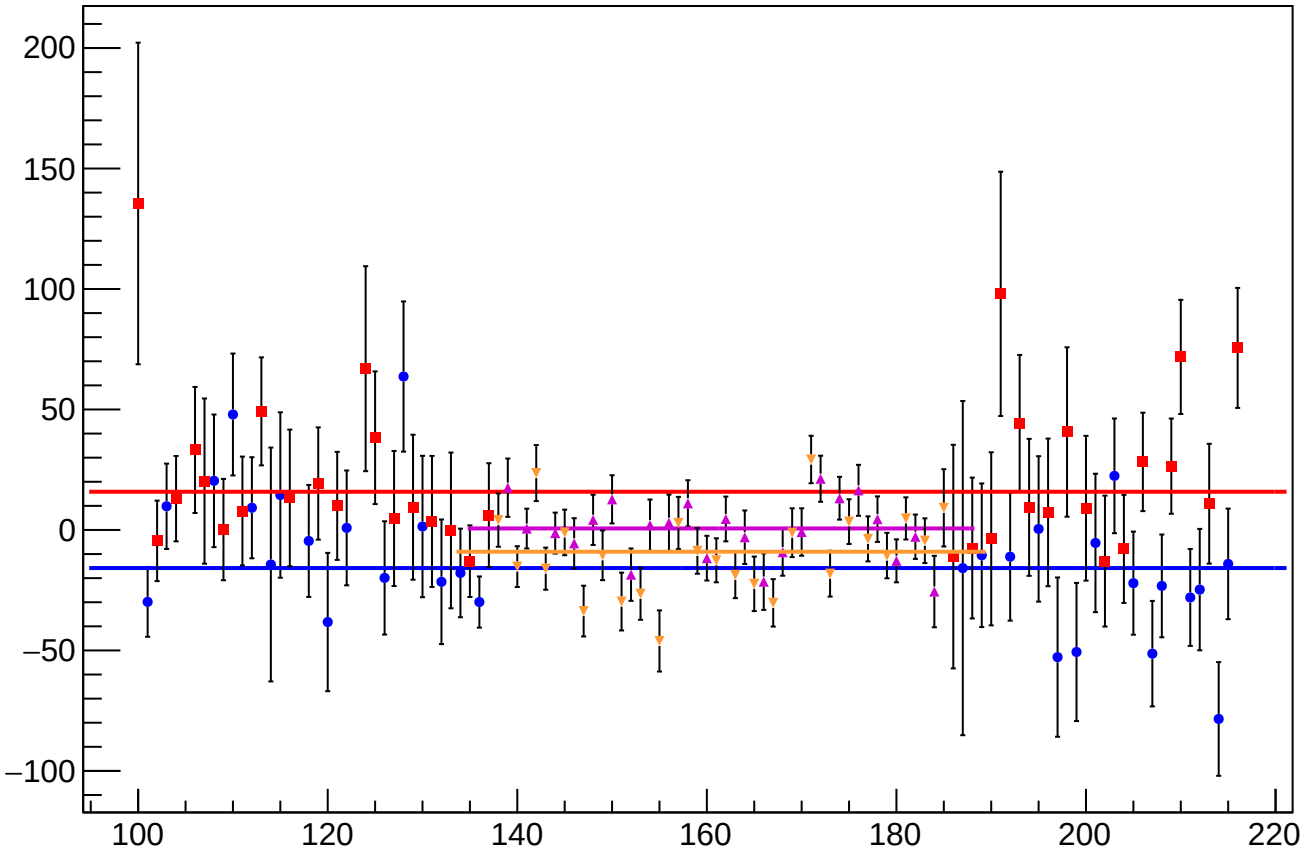
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 16.786+/-0.002 χ^2/NDF: 261485.4/63

In: 16.854+/-0.002 χ^2/NDF:233755.6/53

Out: 16.957+/-0.002 χ^2/NDF:235125.0/56

All: 16.906+/-0.001 χ^2/NDF: 470277.8/110



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: 15.858+/-4.248 χ^2/NDF: 34.7/34

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

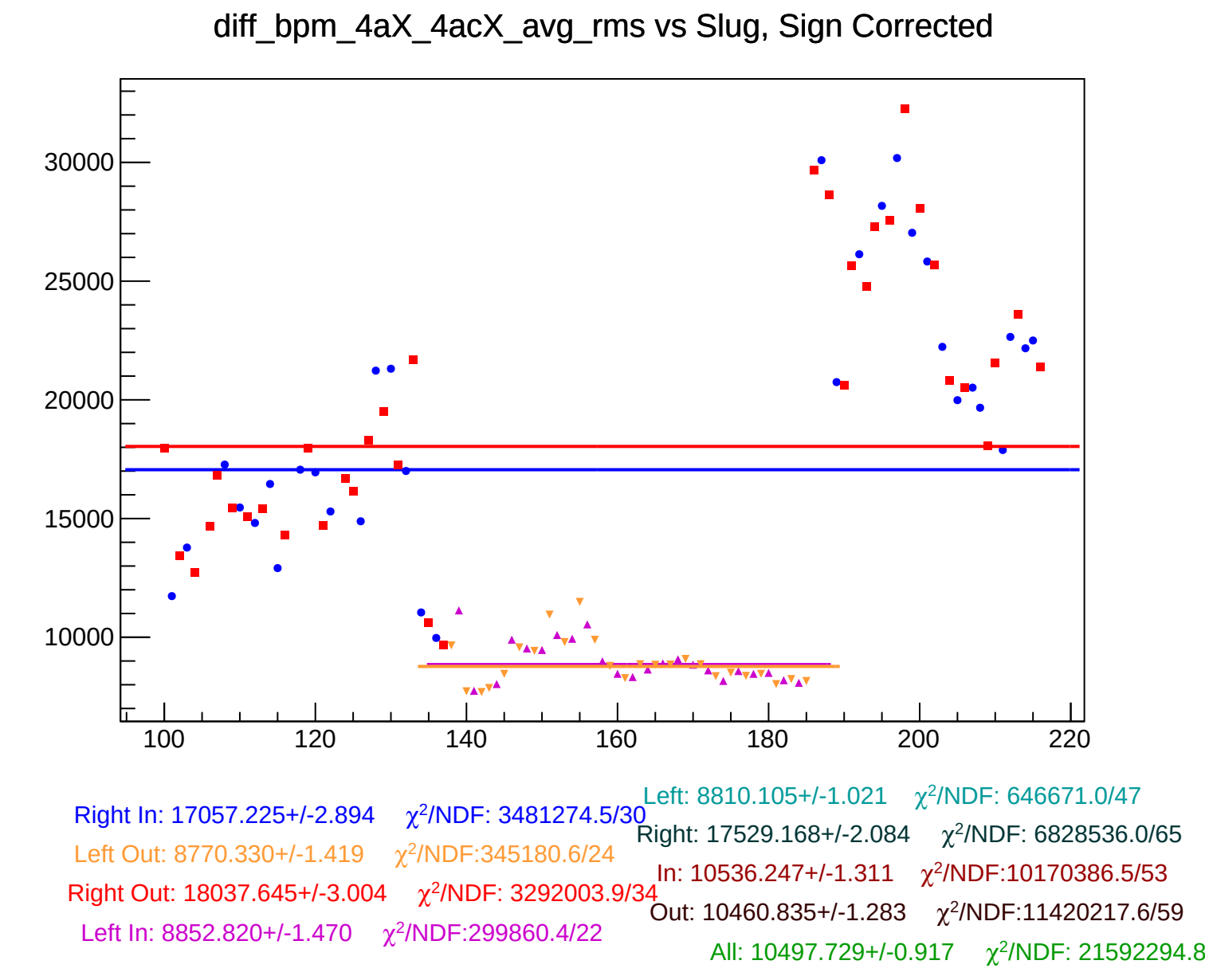
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: -0.565+/-2.947 χ^2/NDF: 103.1/65

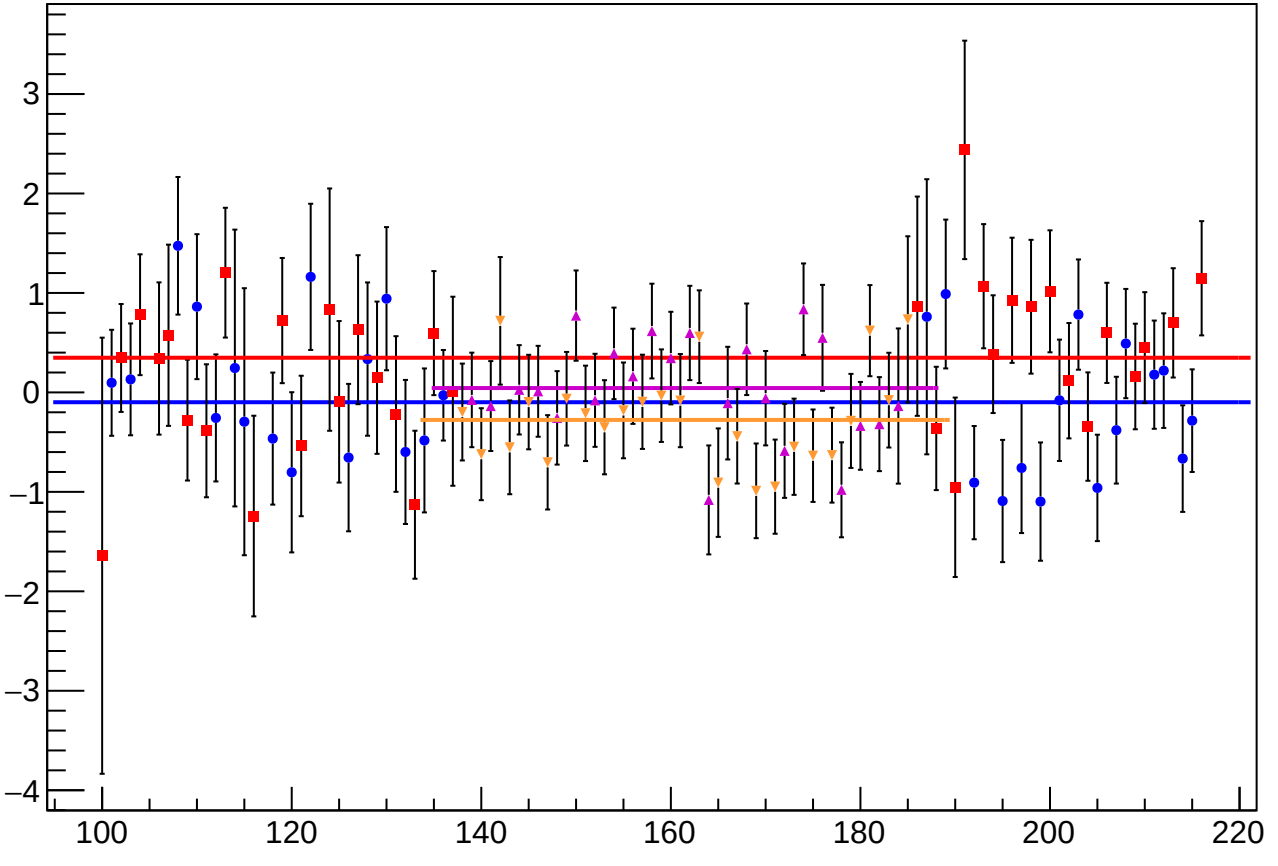
In: -2.745+/-1.854 χ^2/NDF:81.9/53

Out: -4.488+/-1.814 χ^2/NDF:124.8/59

All: -3.635+/-1.297 χ^2/NDF: 207.1/113


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17057.225+/-2.894 χ²/NDF: 3481274.5/30
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 18037.645+/-3.004 χ²/NDF: 3292003.9/34
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 17529.168+/-2.084 χ²/NDF: 6828536.0/65
In: 10536.247+/-1.311 χ²/NDF:10170386.5/53
Out: 10460.835+/-1.283 χ²/NDF:11420217.6/59
All: 10497.729+/-0.917 χ²/NDF: 21592294.8

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



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: 0.349+/-0.114 χ^2/NDF: 30.9/34

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

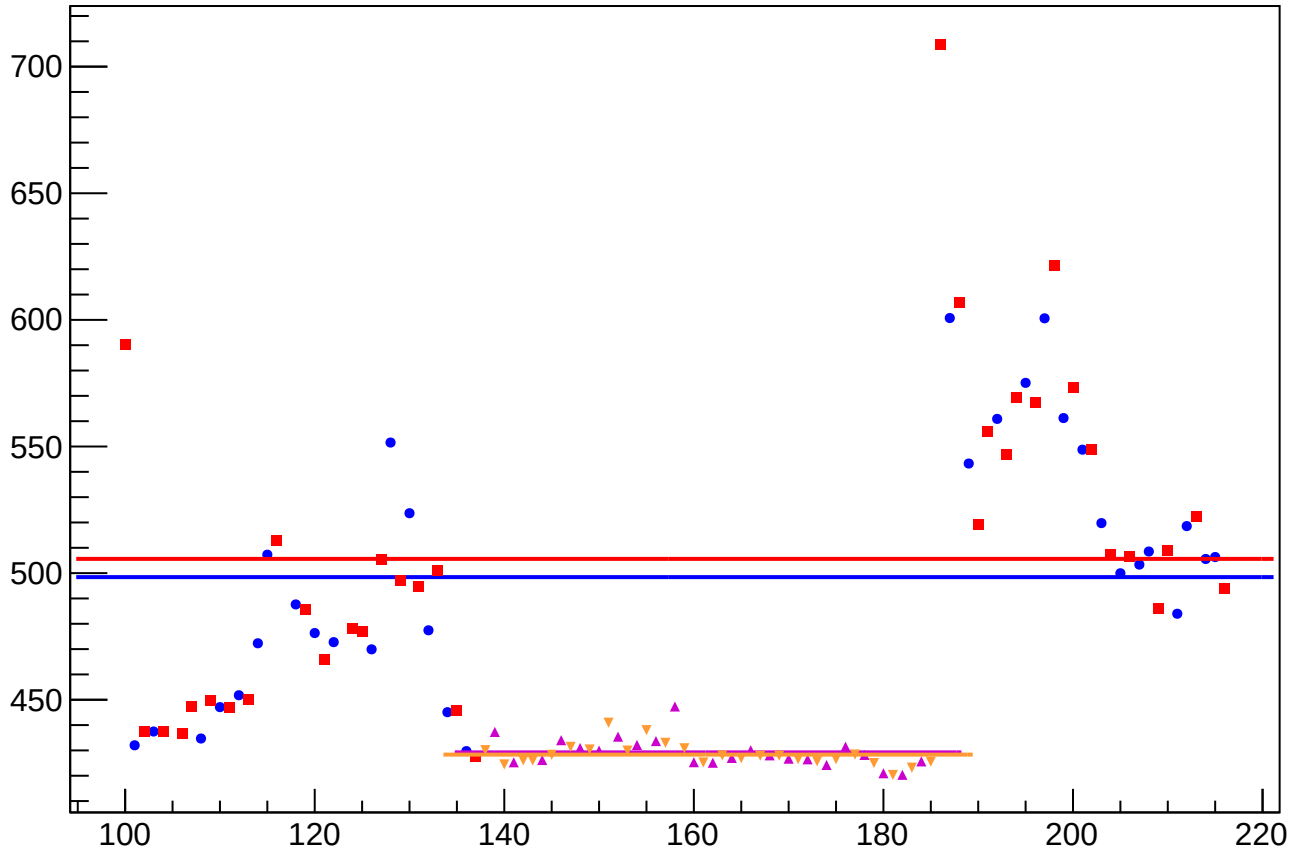
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.124+/-0.081 χ^2/NDF: 73.0/65

In: -0.018+/-0.075 χ^2/NDF:59.1/53

Out: -0.014+/-0.074 χ^2/NDF:69.3/59

All: -0.016+/-0.053 χ^2/NDF: 128.4/113



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: 505.630+/-0.081 χ^2/NDF: 452595.4/34

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

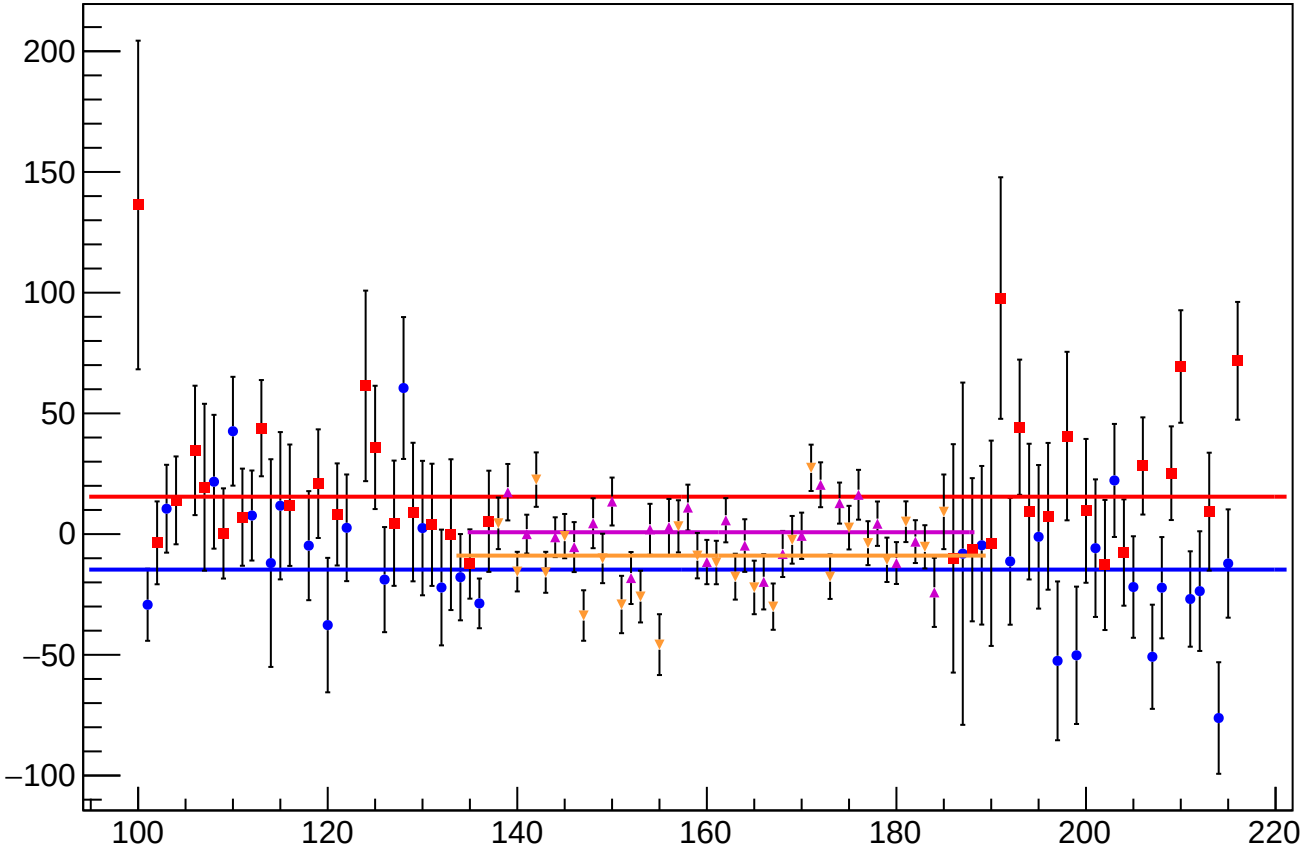
Right: 502.018+/-0.057 χ^2/NDF: 793532.4/65

In: 459.404+/-0.053 χ^2/NDF:759411.9/53

Out: 460.814+/-0.052 χ^2/NDF:986720.7/59

All: 460.120+/-0.037 χ^2/NDF: 1746489.0/113

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: 15.497+/-4.118 χ^2/NDF: 33.8/34

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

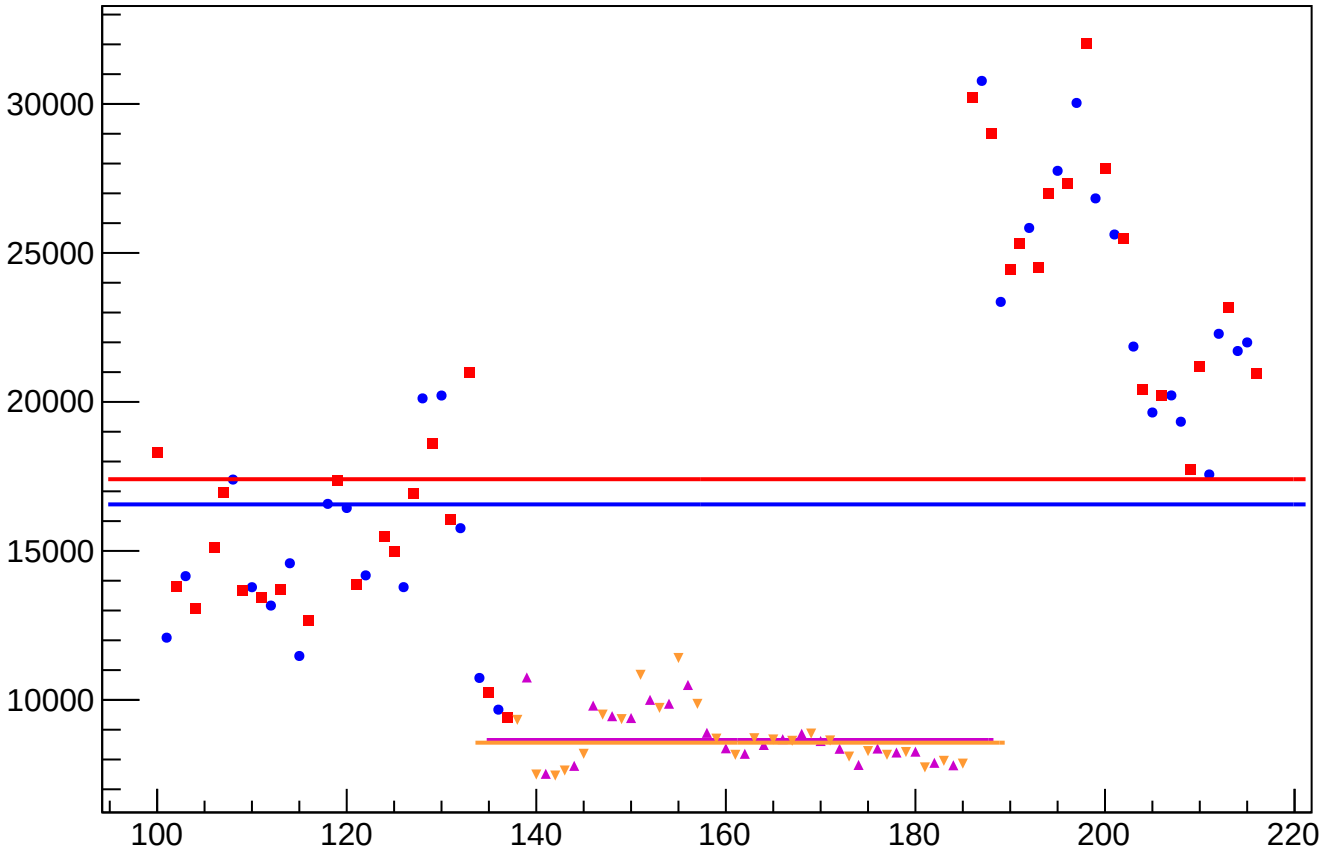
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: -0.111+/-2.862 χ^2/NDF: 101.7/65

In: -2.430+/-1.811 χ^2/NDF:81.4/53

Out: -4.394+/-1.770 χ^2/NDF:123.9/59

All: -3.434+/-1.266 χ^2/NDF: 206.0/113



Right In: 16561.366+/-2.815 χ^2/NDF: 3666647.9/30

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 17406.497+/-2.912 χ^2/NDF: 3609573.6/34

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

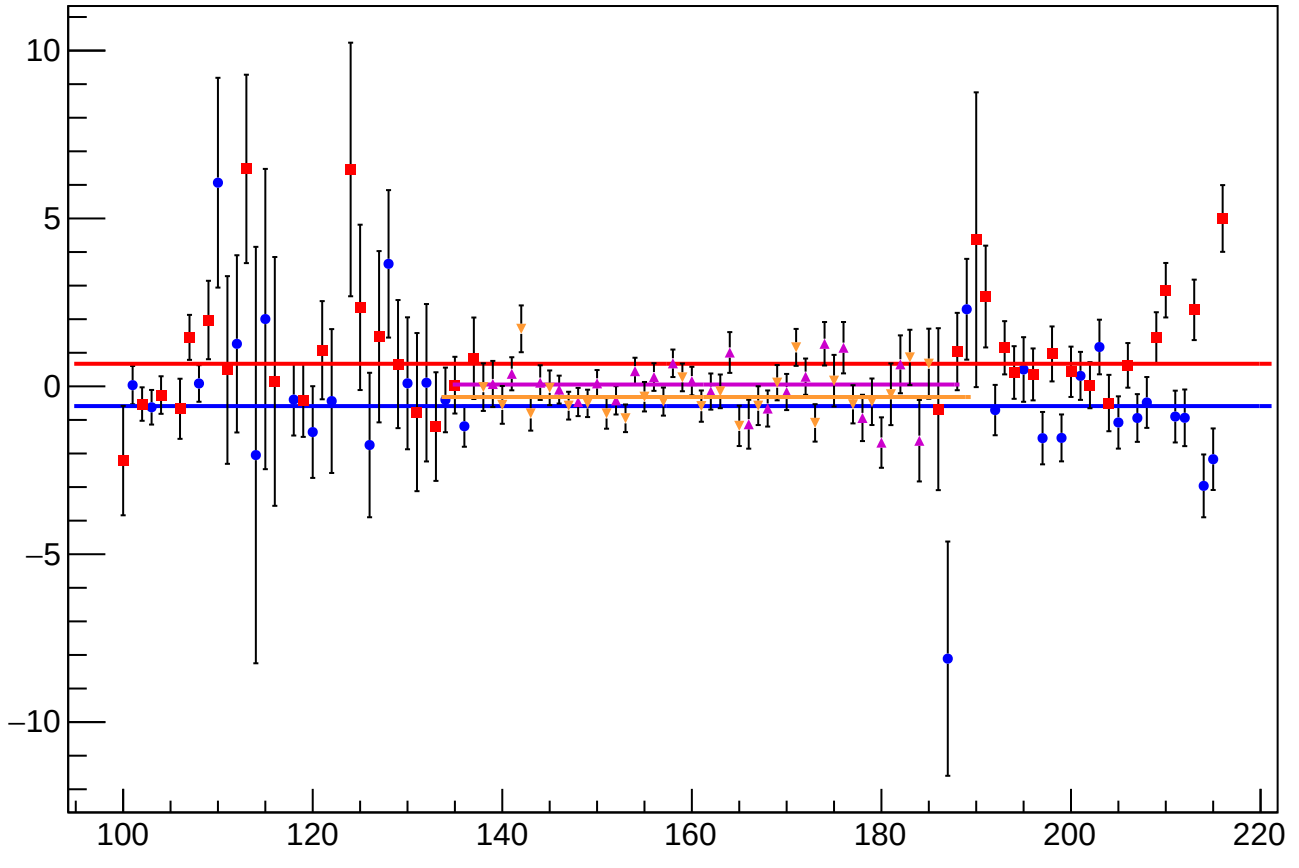
Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

Right: 16969.688+/-2.024 χ^2/NDF: 7319765.5/65

In: 10290.886+/-1.281 χ^2/NDF:10268540.0/53

Out: 10198.843+/-1.252 χ^2/NDF:11527510.6/59

All: 10243.815+/-0.895 χ^2/NDF: 21798691.9



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: 0.672+/-0.163 χ^2/NDF: 64.2/34

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

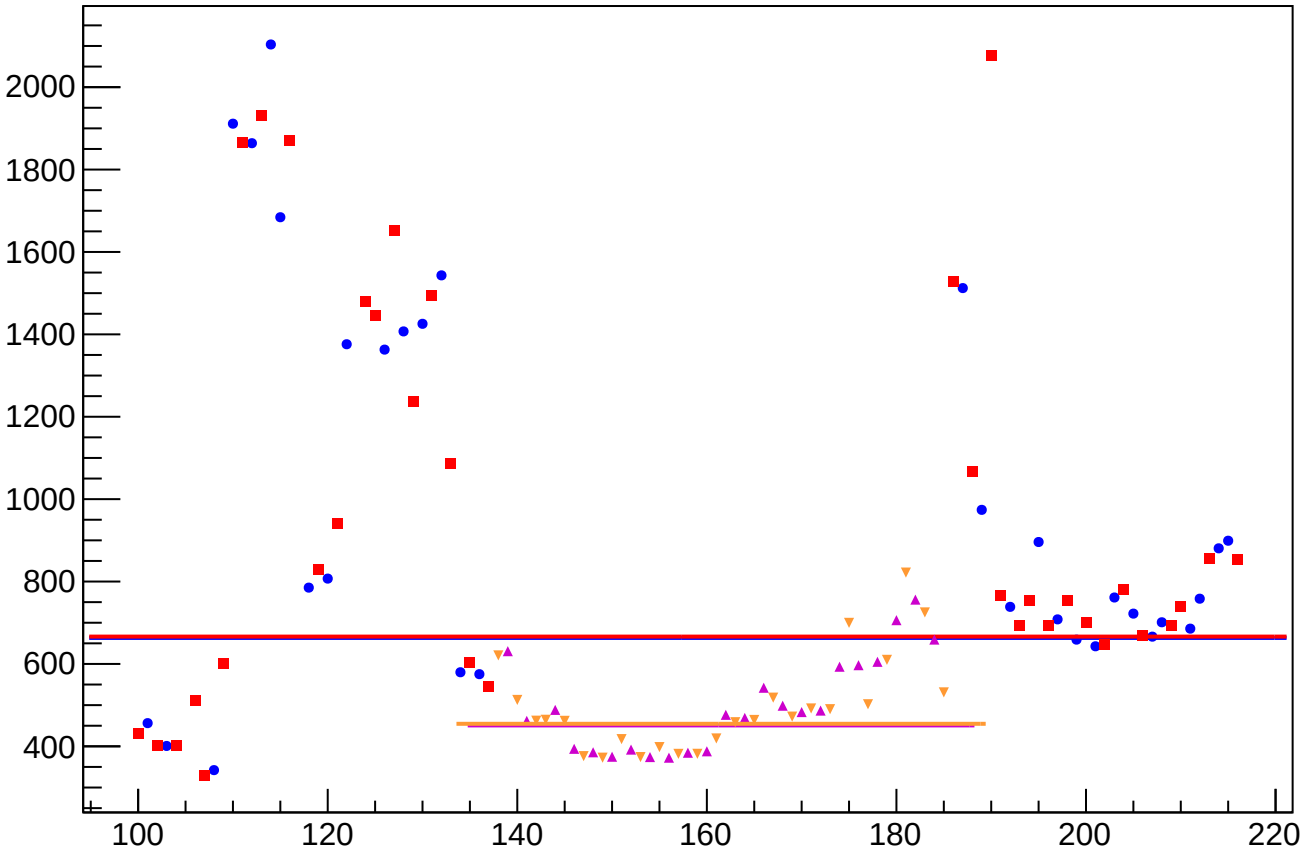
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.038+/-0.115 χ^2/NDF: 137.6/65

In: -0.144+/-0.090 χ^2/NDF:84.1/53

Out: -0.023+/-0.089 χ^2/NDF:122.4/59

All: -0.083+/-0.063 χ^2/NDF: 207.3/113



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: 666.362+/-0.115 χ^2/NDF: 4899101.8/34

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

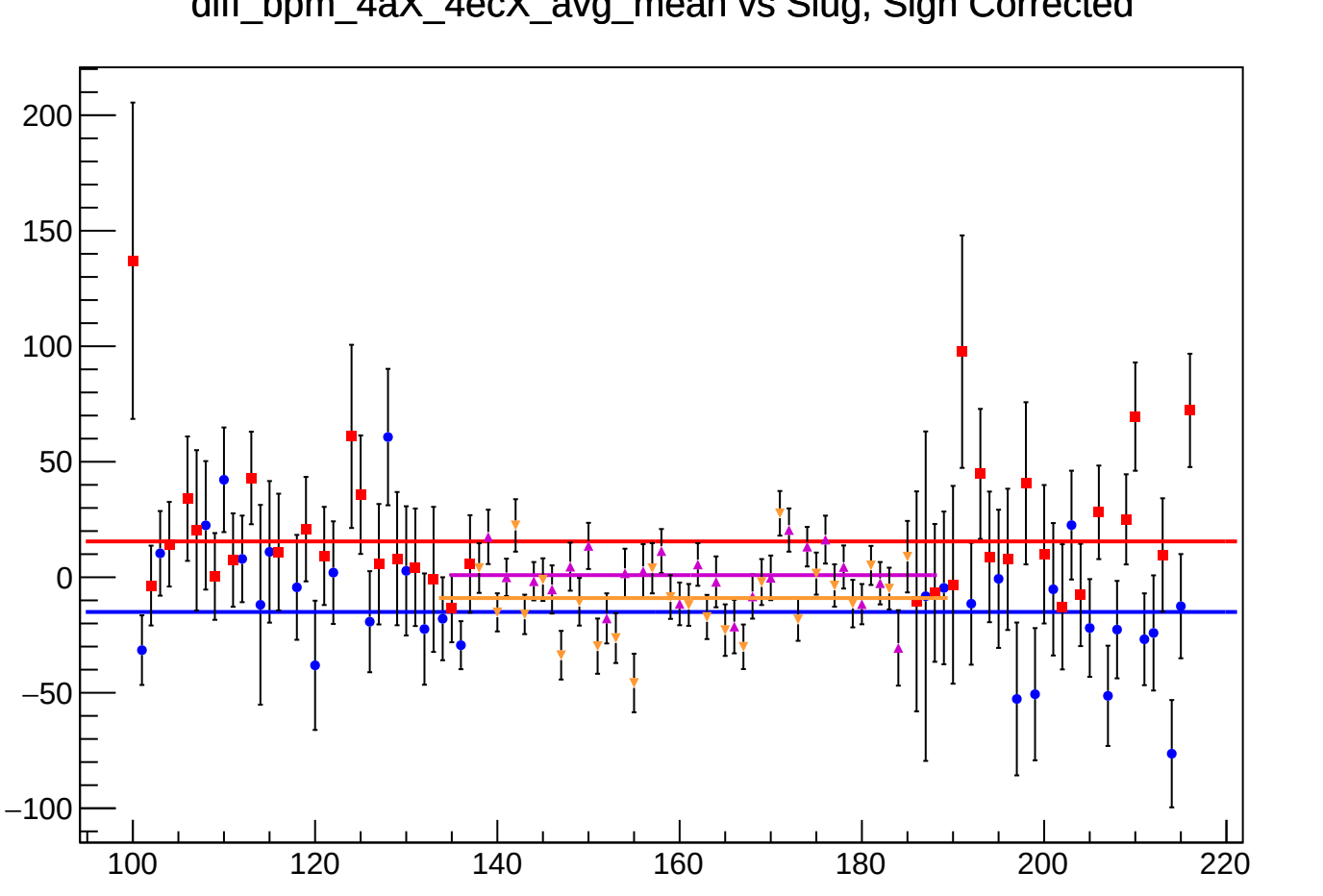
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 664.745+/-0.081 χ^2/NDF: 9333157.8/65

In: 516.242+/-0.064 χ^2/NDF:8283496.3/53

Out: 517.589+/-0.063 χ^2/NDF:8721054.3/59

All: 516.924+/-0.045 χ^2/NDF: 17004777.4/11



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: 15.515+/-4.144 χ^2/NDF: 33.5/34

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

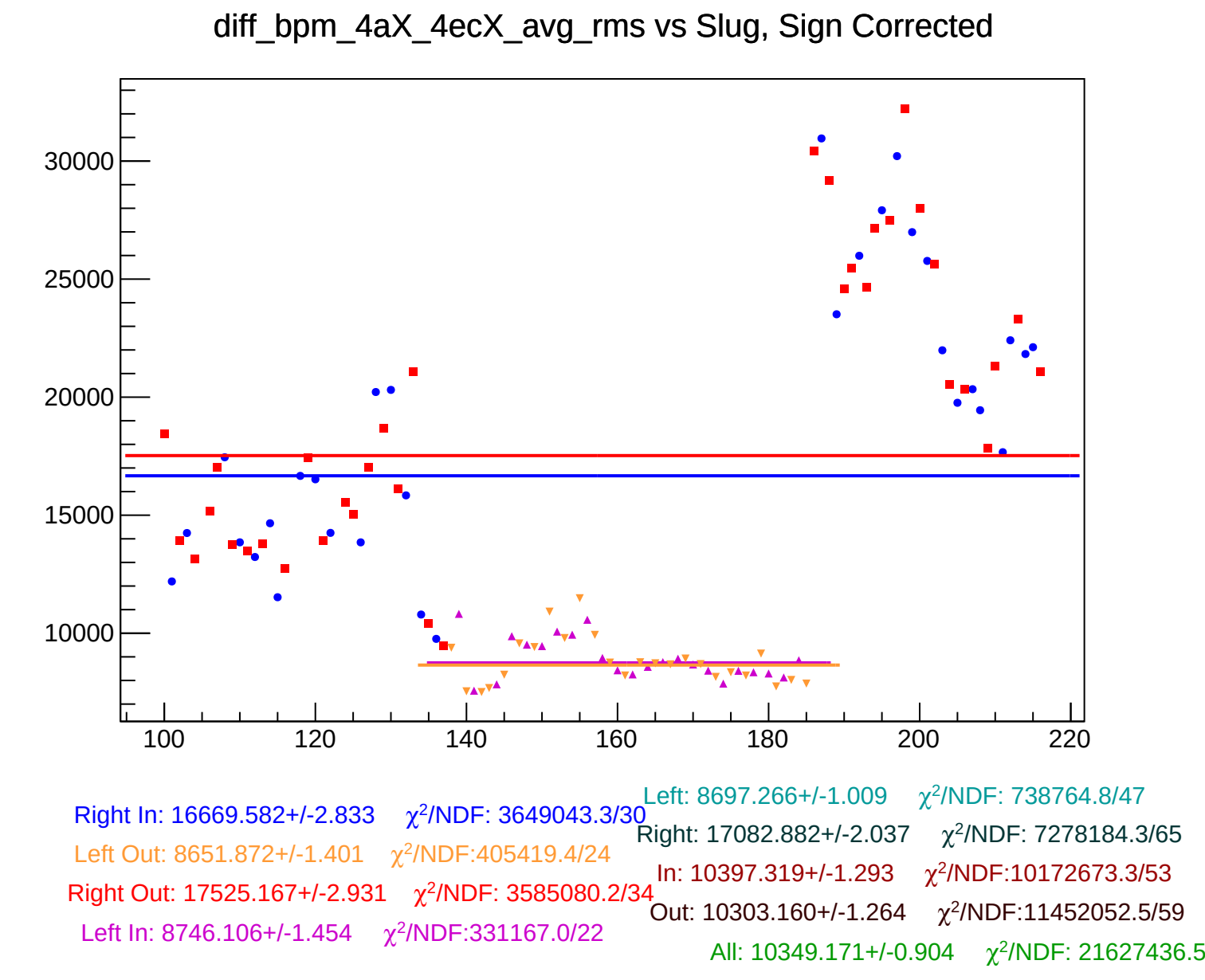
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

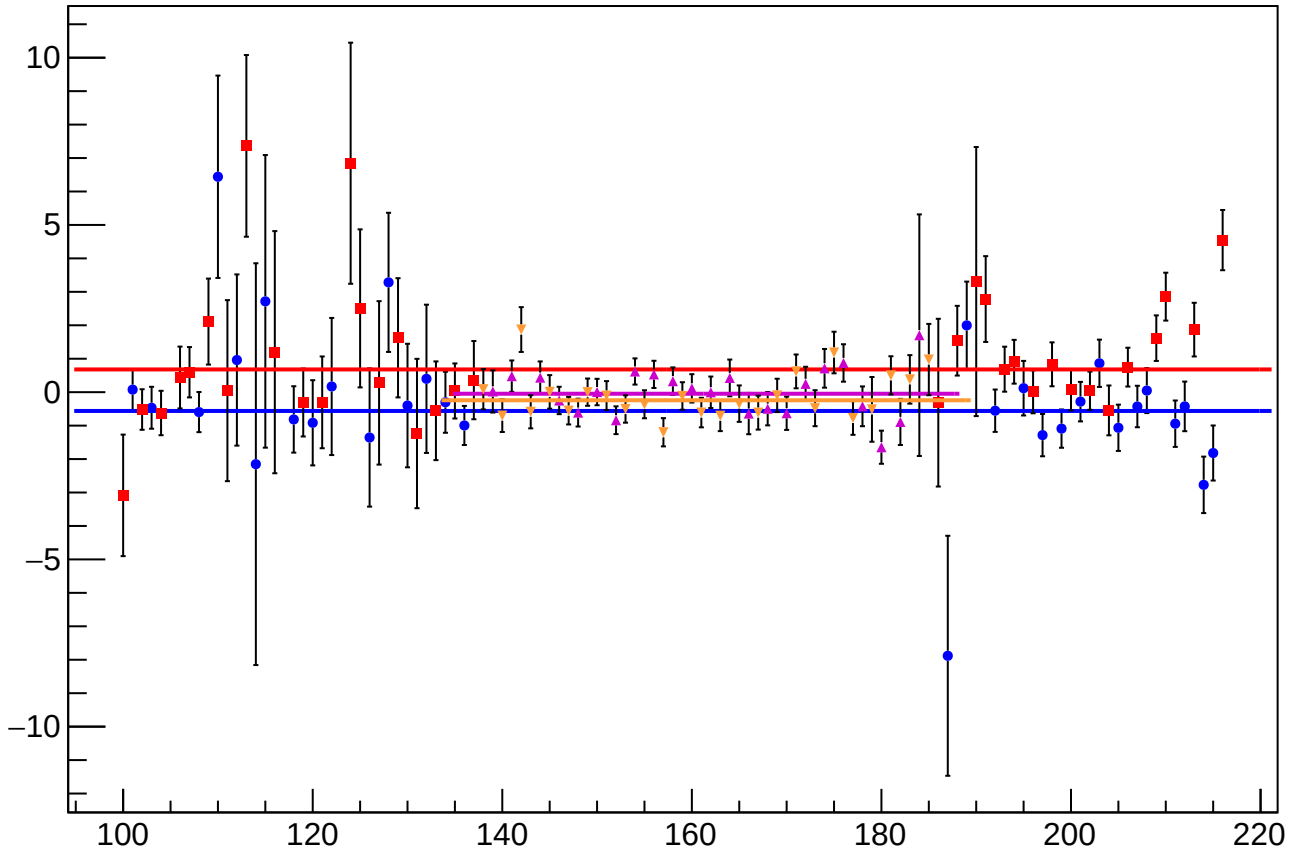
Right: -0.269+/-2.881 χ^2/NDF: 102.0/65

In: -2.398+/-1.829 χ^2/NDF:82.9/53

Out: -4.438+/-1.788 χ^2/NDF:123.3/59

All: -3.441+/-1.278 χ^2/NDF: 206.8/113


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: 17525.167+/-2.931 χ²/NDF: 3585080.2/34
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 17082.882+/-2.037 χ²/NDF: 7278184.3/65
In: 10397.319+/-1.293 χ²/NDF:10172673.3/53
Out: 10303.160+/-1.264 χ²/NDF:11452052.5/59
All: 10349.171+/-0.904 χ²/NDF: 21627436.5



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: 0.680+/-0.153 χ^2/NDF: 68.9/34

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

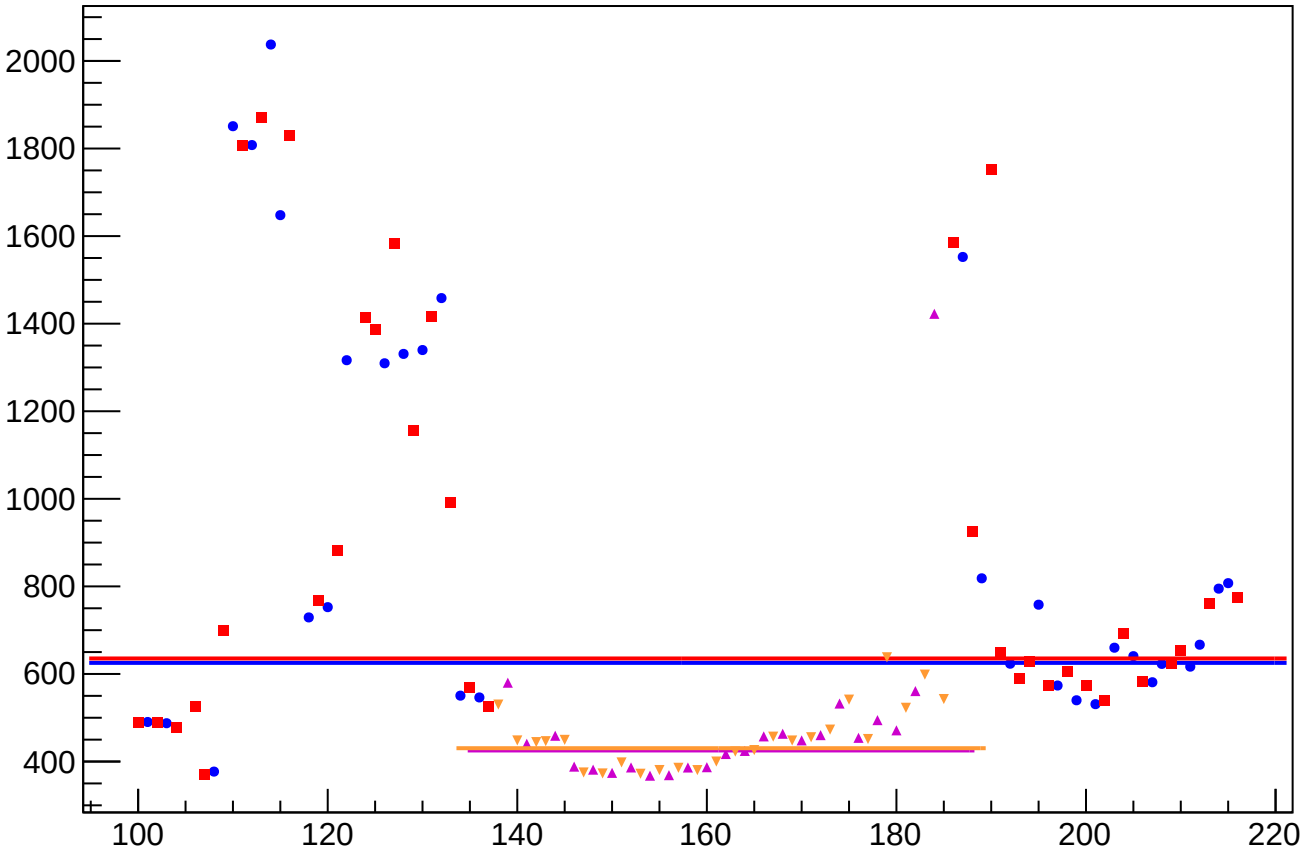
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: 0.050+/-0.107 χ^2/NDF: 140.4/65

In: -0.208+/-0.084 χ^2/NDF:81.2/53

Out: 0.035+/-0.084 χ^2/NDF:128.6/59

All: -0.086+/-0.059 χ^2/NDF: 214.0/113



Right In: 625.335+/-0.107 χ^2/NDF: 3401921.1/30

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 635.372+/-0.108 χ^2/NDF: 3621955.8/34

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

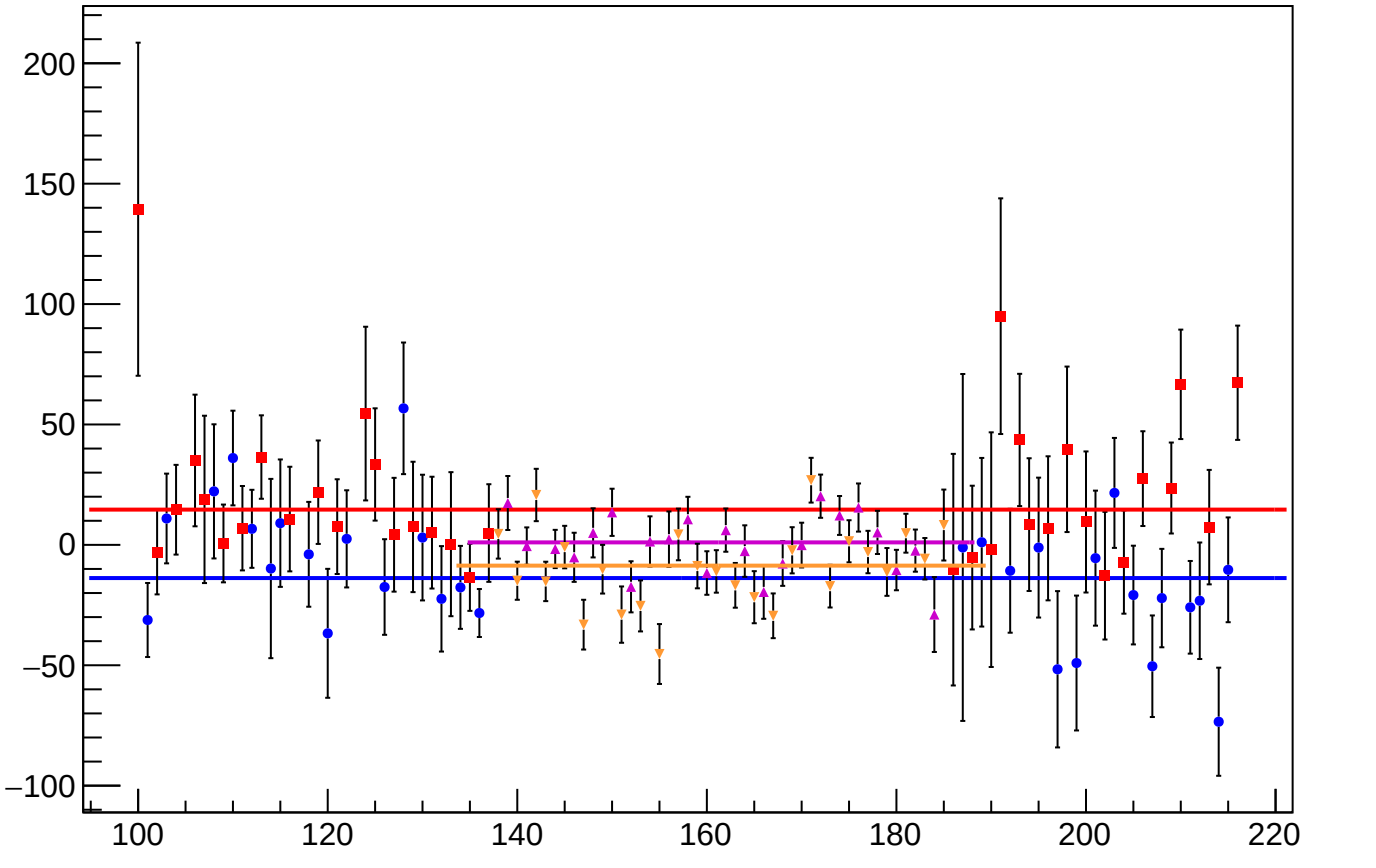
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

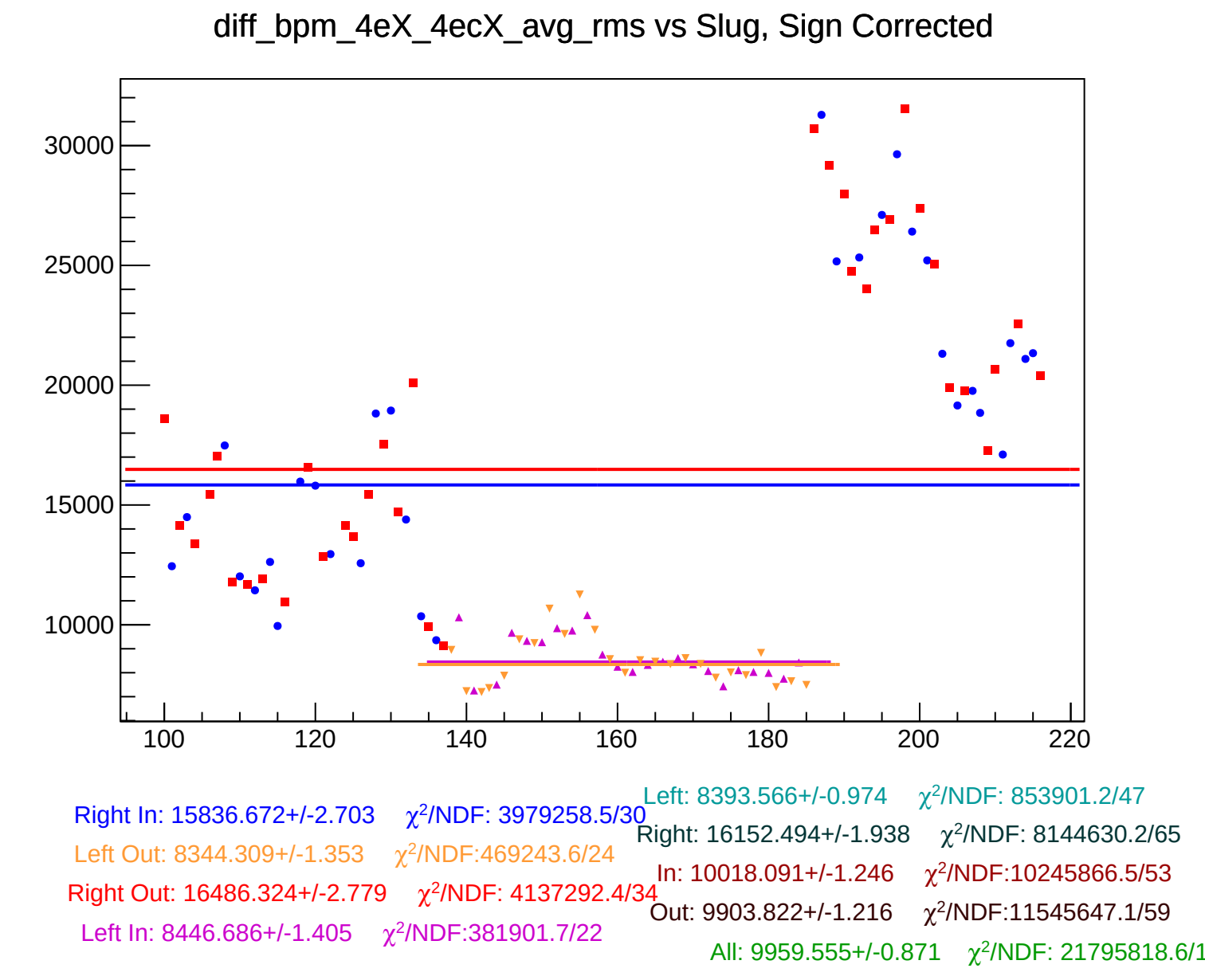
Right: 630.277+/-0.076 χ^2/NDF: 7028246.7/65

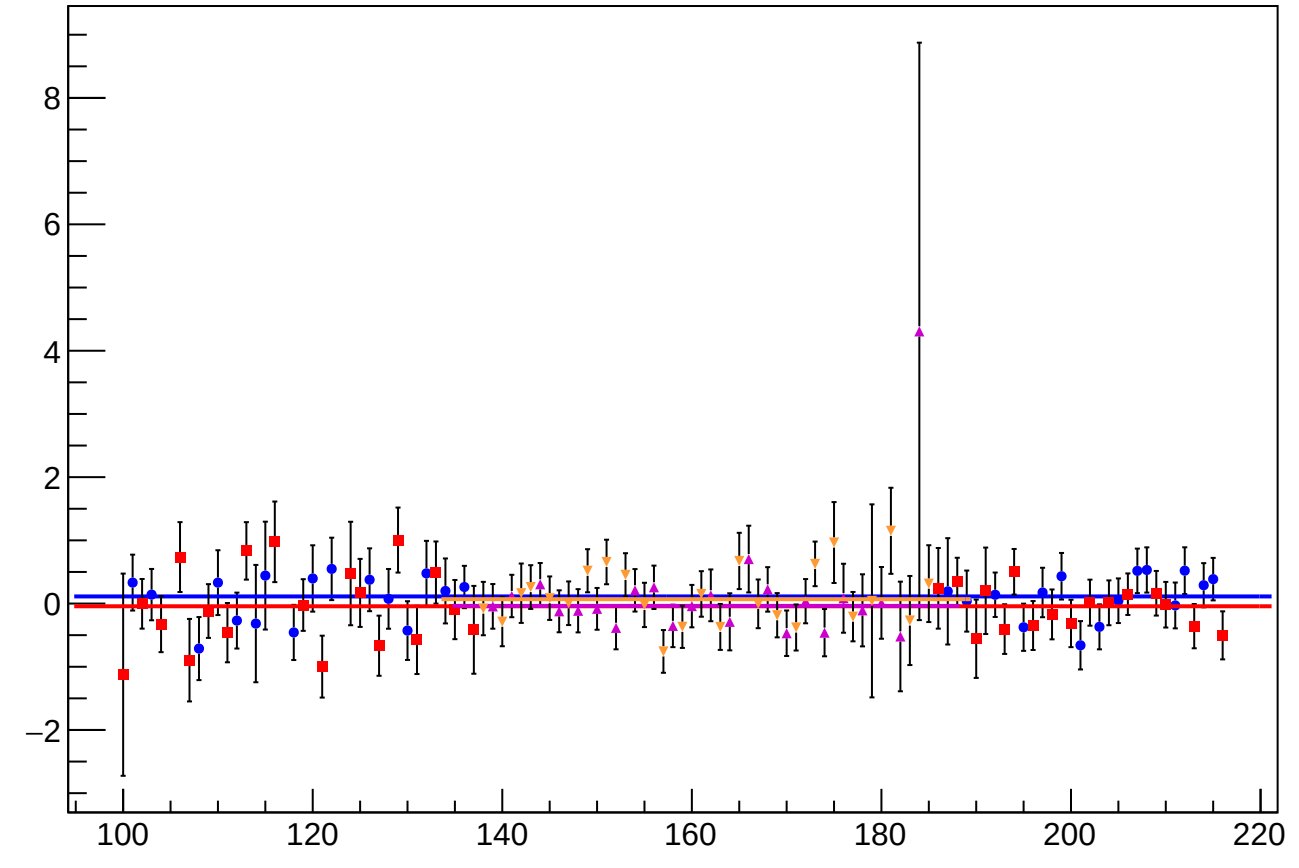
In: 487.824+/-0.060 χ^2/NDF:6542242.8/53

Out: 491.972+/-0.059 χ^2/NDF:6781655.8/59

All: 489.908+/-0.042 χ^2/NDF: 13326335.5/1


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -13.785+/-3.823 χ²/NDF: 41.3/30
Left Out: -8.623+/-1.913 χ²/NDF:61.6/24
Right Out: 14.642+/-3.930 χ²/NDF: 32.8/34
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 0.034+/-2.740 χ²/NDF: 101.0/65
In: -2.123+/-1.763 χ²/NDF:82.9/53
Out: -4.166+/-1.720 χ²/NDF:122.8/59
All: -3.170+/-1.231 χ²/NDF: 206.4/113


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: 16486.324+/-2.779 χ²/NDF: 4137292.4/34
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 16152.494+/-1.938 χ²/NDF: 8144630.2/65
In: 10018.091+/-1.246 χ²/NDF:10245866.5/53
Out: 9903.822+/-1.216 χ²/NDF:11545647.1/59
All: 9959.555+/-0.871 χ²/NDF: 21795818.6/1



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: -0.043+/-0.075 χ^2/NDF: 33.8/34

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

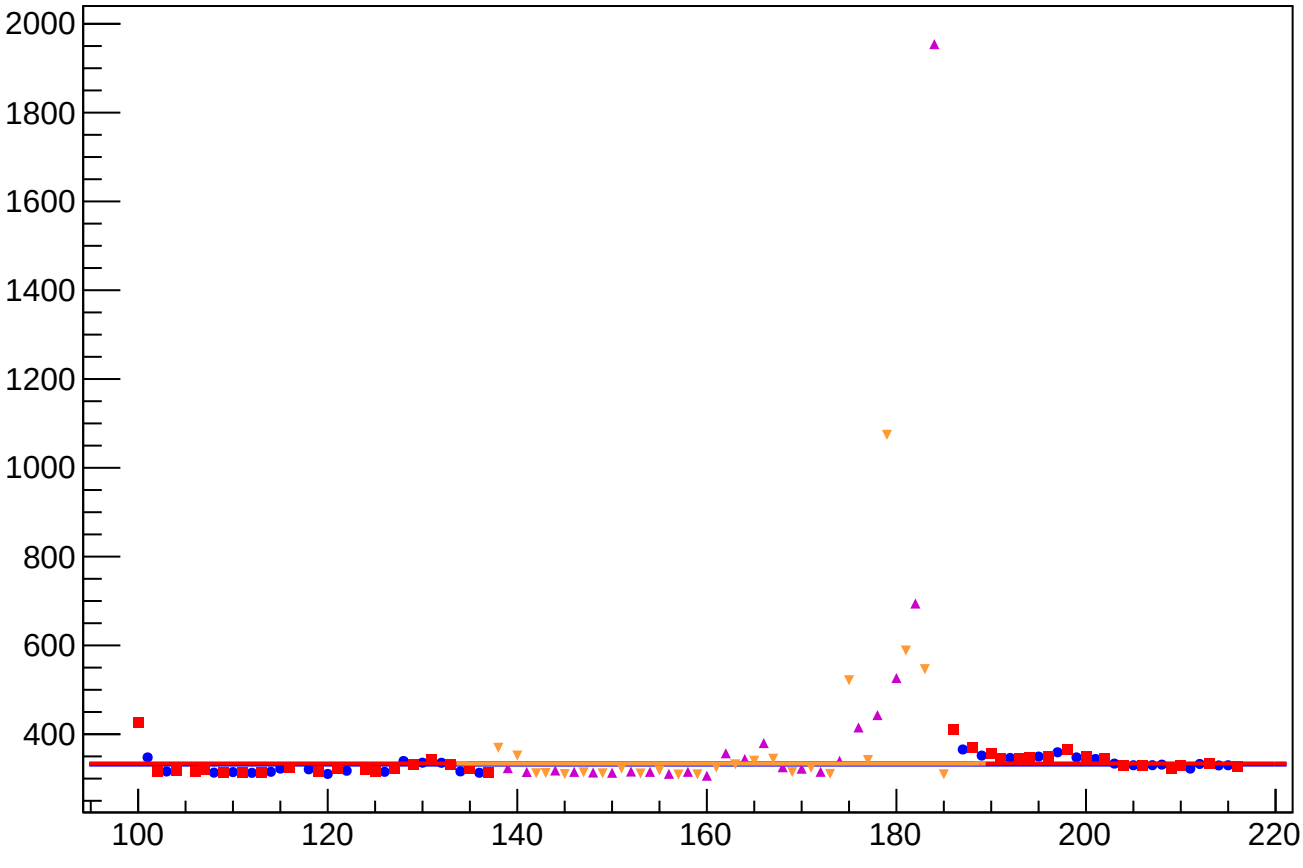
Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

Right: 0.035+/-0.053 χ^2/NDF: 58.8/65

In: 0.043+/-0.055 χ^2/NDF:36.4/53

Out: 0.010+/-0.055 χ^2/NDF:63.1/59

All: 0.026+/-0.039 χ^2/NDF: 99.6/113



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: 334.133+/-0.053 χ^2/NDF: 119555.8/34

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

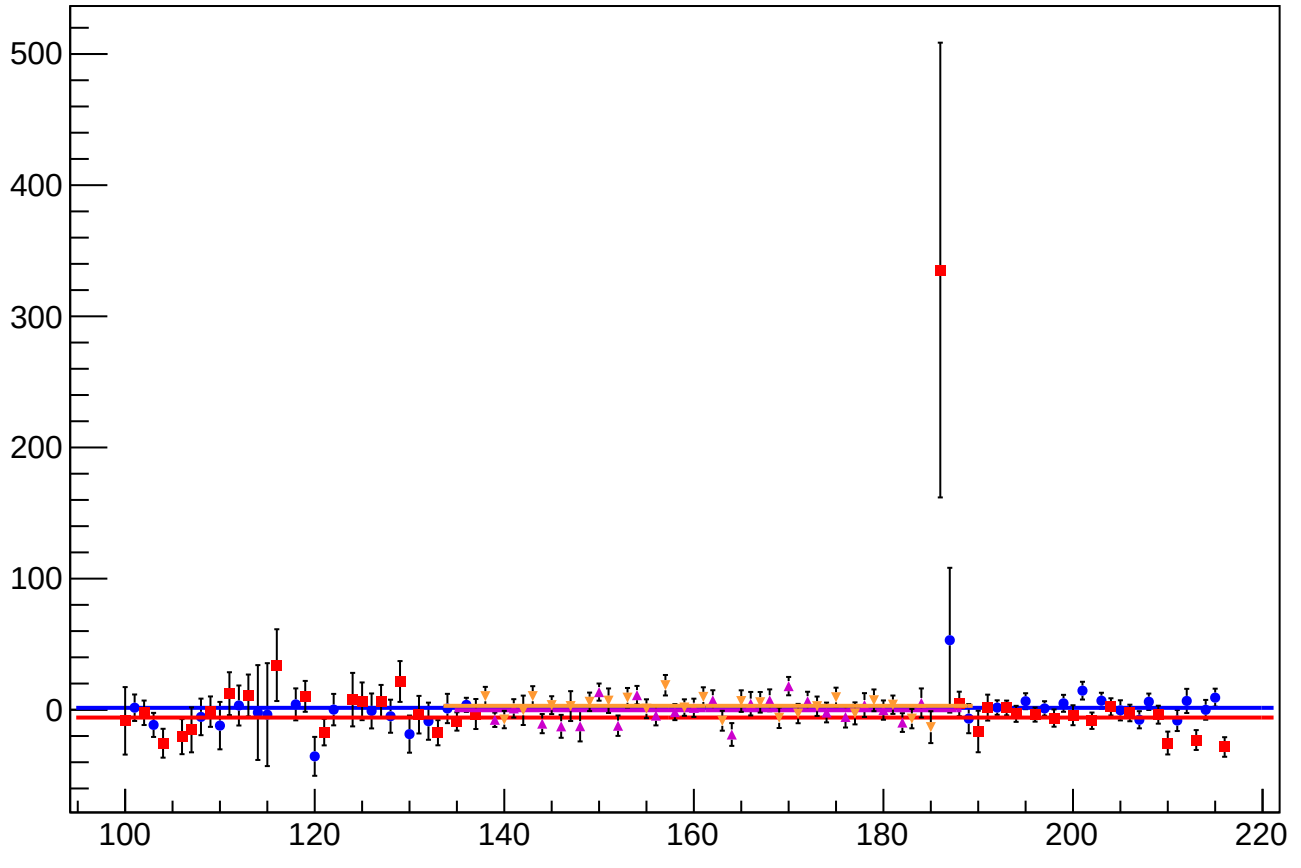
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 332.849+/-0.038 χ^2/NDF: 185054.8/65

In: 332.684+/-0.039 χ^2/NDF:1116273.5/53

Out: 333.967+/-0.039 χ^2/NDF:1336833.4/59

All: 333.334+/-0.027 χ^2/NDF: 2453653.1/113



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: -5.928+/-1.528 χ^2/NDF: 49.1/34

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

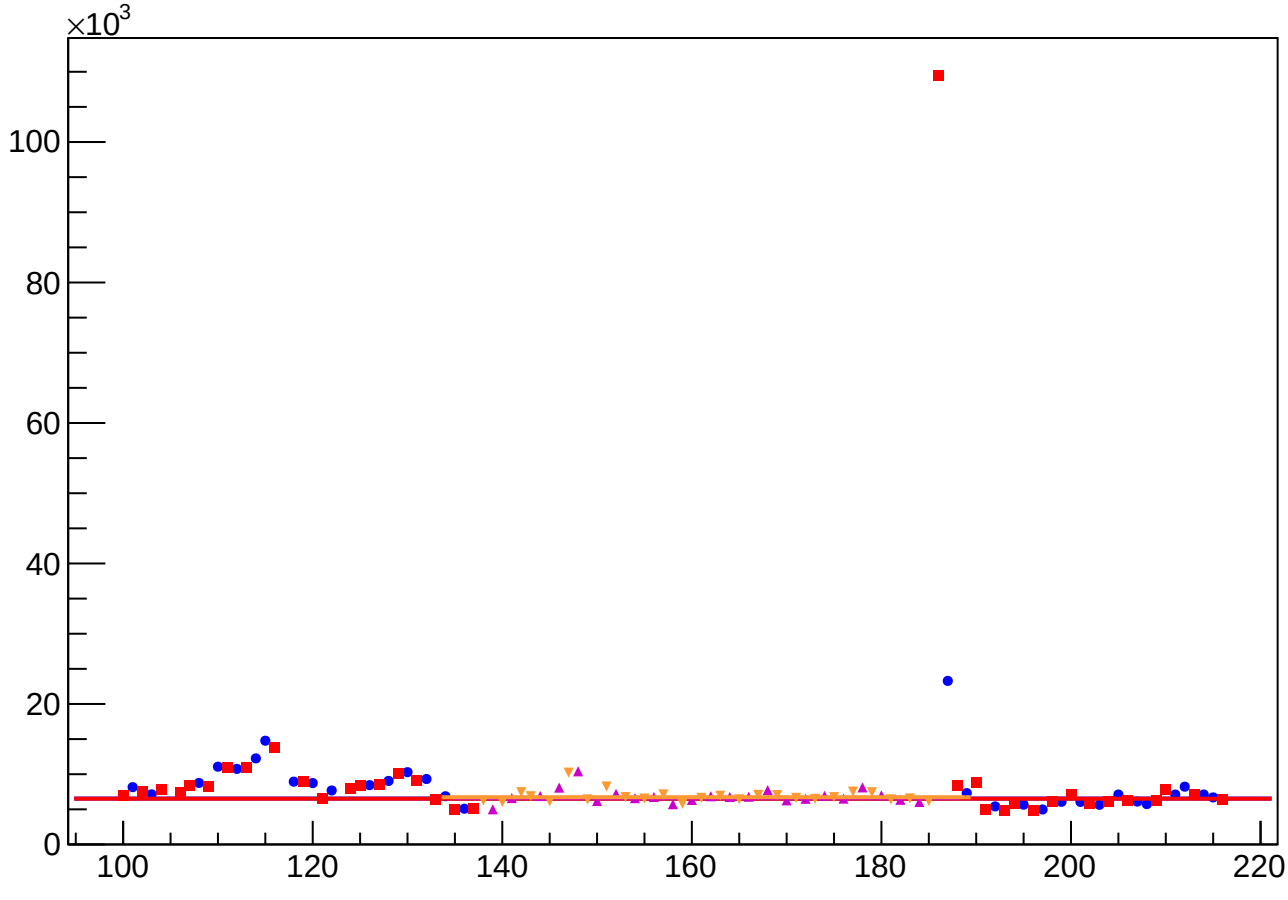
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -2.243+/-1.083 χ^2/NDF: 85.5/65

In: 0.584+/-1.097 χ^2/NDF:59.2/53

Out: -1.493+/-1.085 χ^2/NDF:86.4/59

All: -0.466+/-0.772 χ^2/NDF: 147.4/113



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: 6514.376+/-1.080 χ^2/NDF: 2441477.1/34

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

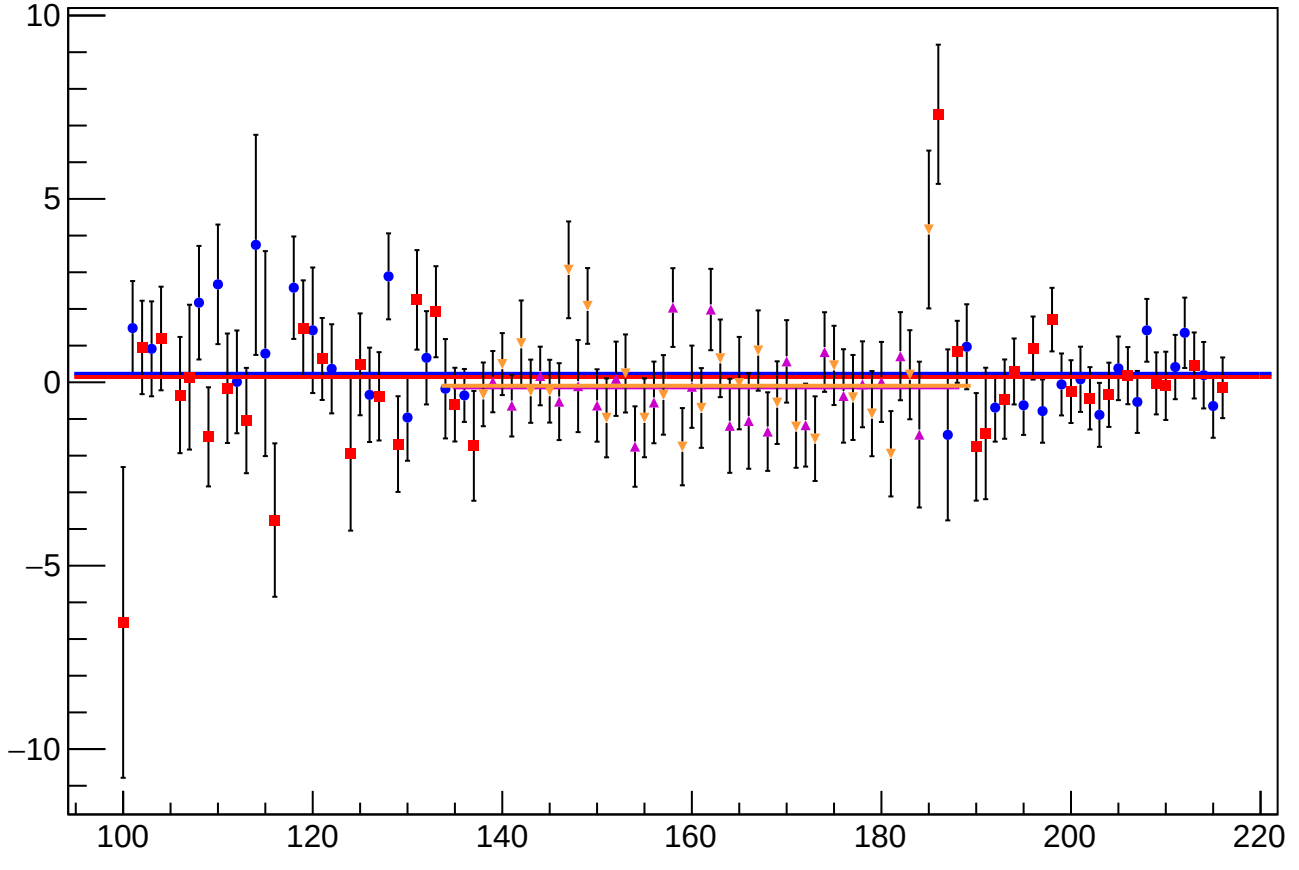
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6523.774+/-0.766 χ^2/NDF: 4273836.6/65

In: 6581.951+/-0.776 χ^2/NDF:2465803.9/53

Out: 6617.730+/-0.767 χ^2/NDF:2863272.0/59

All: 6600.039+/-0.546 χ^2/NDF: 5330151.0/11



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: 0.145+/-0.190 χ^2/NDF: 43.3/34

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

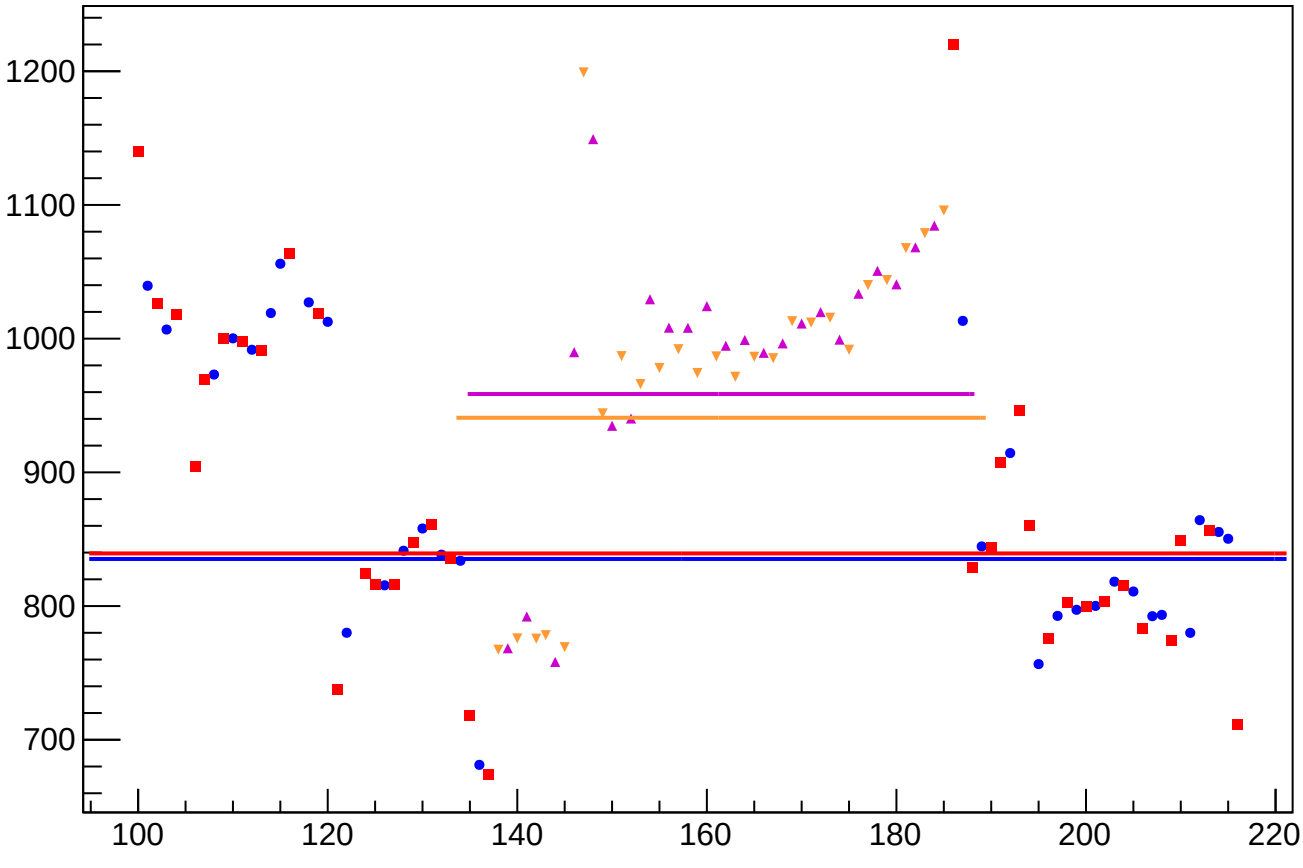
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.188+/-0.135 χ^2/NDF: 71.9/65

In: 0.077+/-0.146 χ^2/NDF:46.5/53

Out: 0.040+/-0.142 χ^2/NDF:71.4/59

All: 0.058+/-0.102 χ^2/NDF: 117.9/113



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: 839.372+/-0.134 χ^2/NDF: 501124.6/34

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

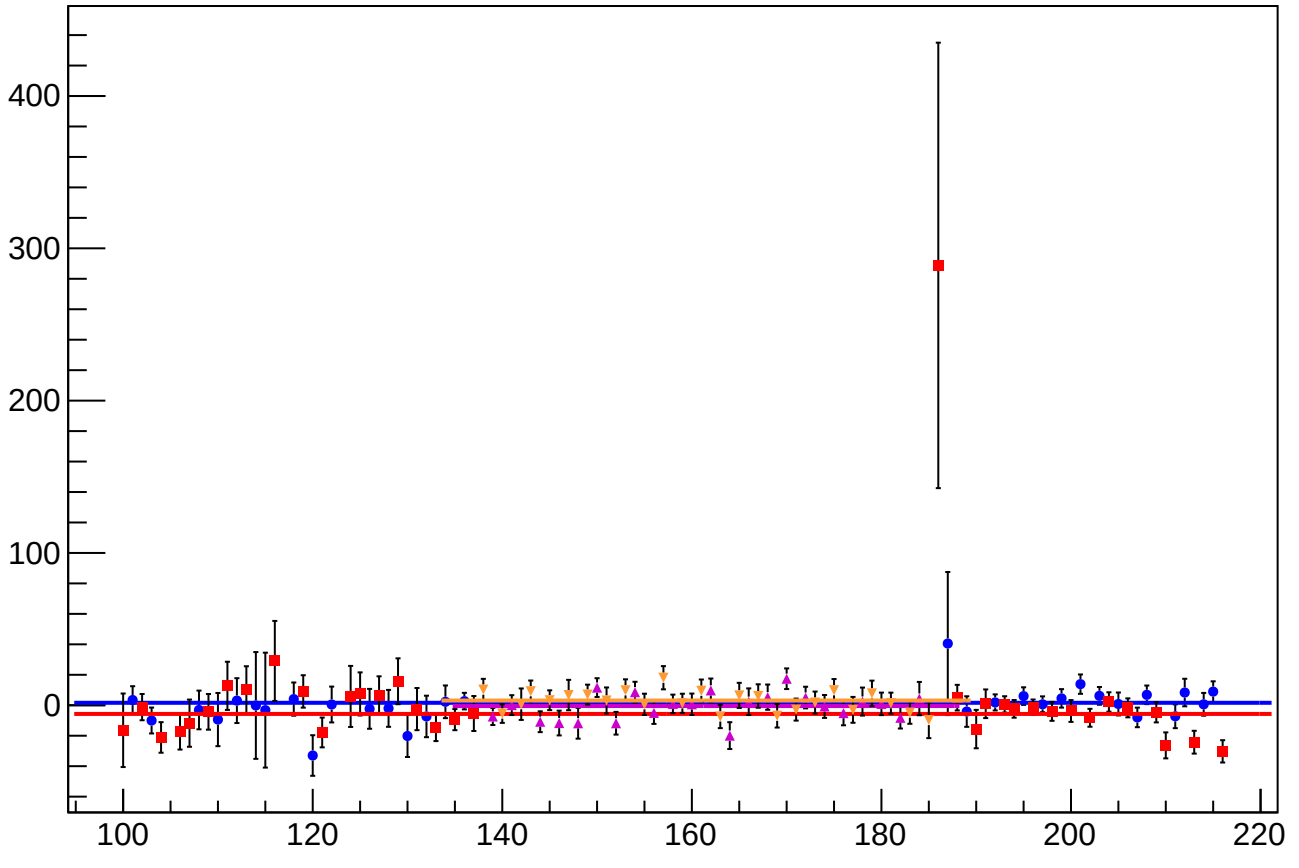
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 837.313+/-0.095 χ^2/NDF: 905498.5/65

In: 886.822+/-0.103 χ^2/NDF:1209345.5/53

Out: 883.737+/-0.101 χ^2/NDF:1319745.0/59

All: 885.244+/-0.072 χ^2/NDF: 2529548.6/113



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: -5.696+/-1.458 χ^2/NDF: 52.1/34

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

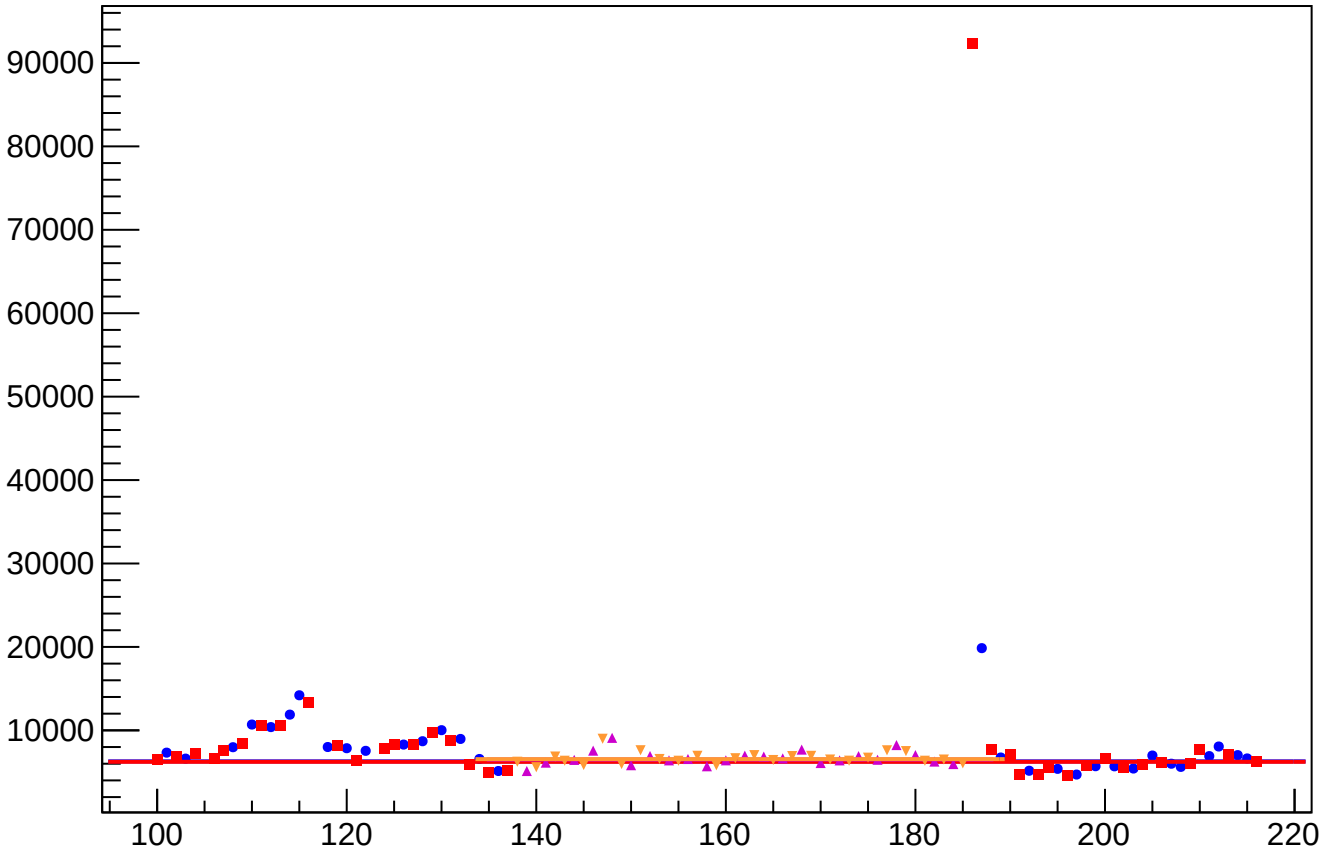
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -2.081+/-1.037 χ^2/NDF: 89.2/65

In: 0.593+/-1.063 χ^2/NDF:57.7/53

Out: -1.425+/-1.045 χ^2/NDF:88.4/59

All: -0.434+/-0.745 χ^2/NDF: 147.9/113



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: 6229.008+/-1.031 χ^2/NDF: 2390242.6/34

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

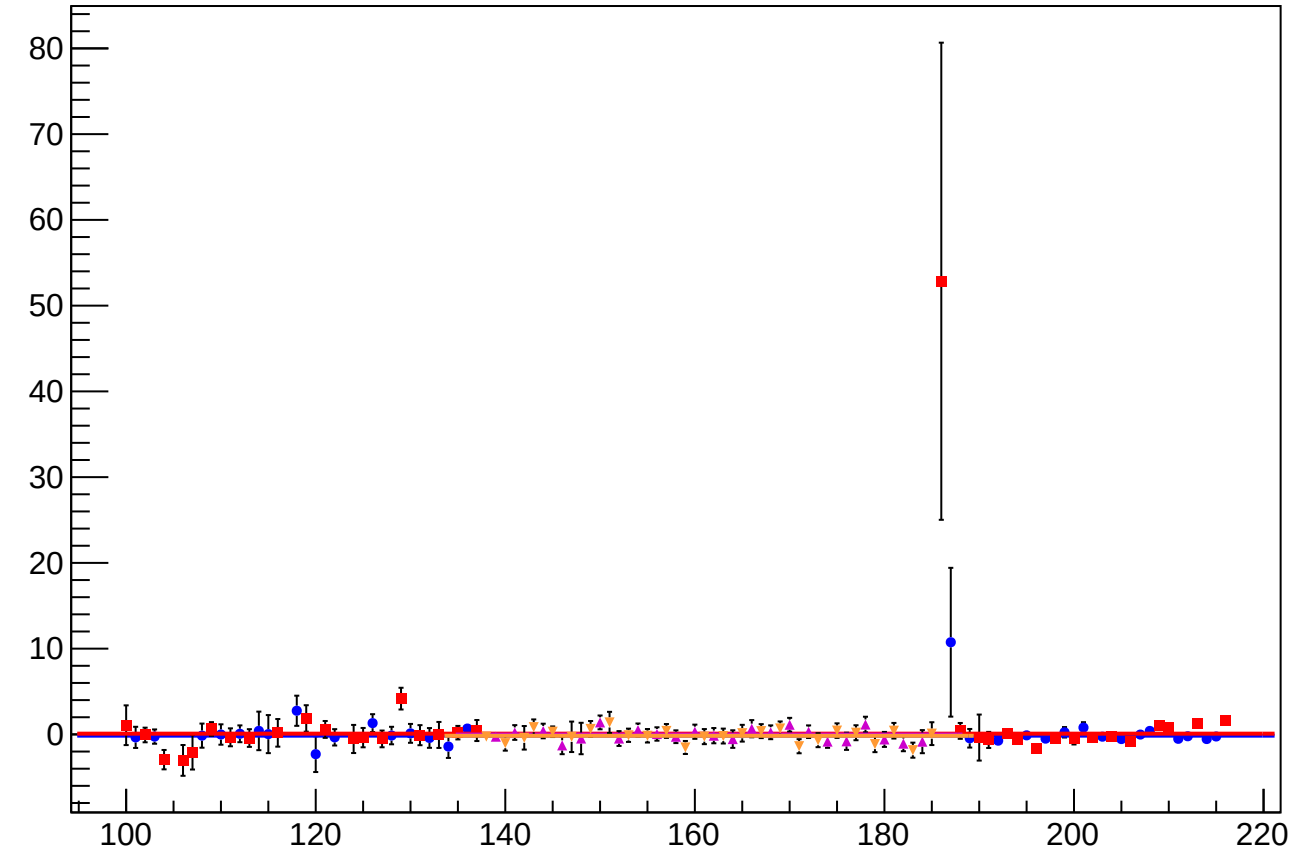
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6255.554+/-0.733 χ^2/NDF: 4157470.0/65

In: 6389.425+/-0.752 χ^2/NDF:2303208.5/53

Out: 6384.334+/-0.739 χ^2/NDF:2803093.9/59

All: 6386.836+/-0.527 χ^2/NDF: 5106325.7/11



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: 0.085+/-0.126 χ^2/NDF: 72.3/34

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

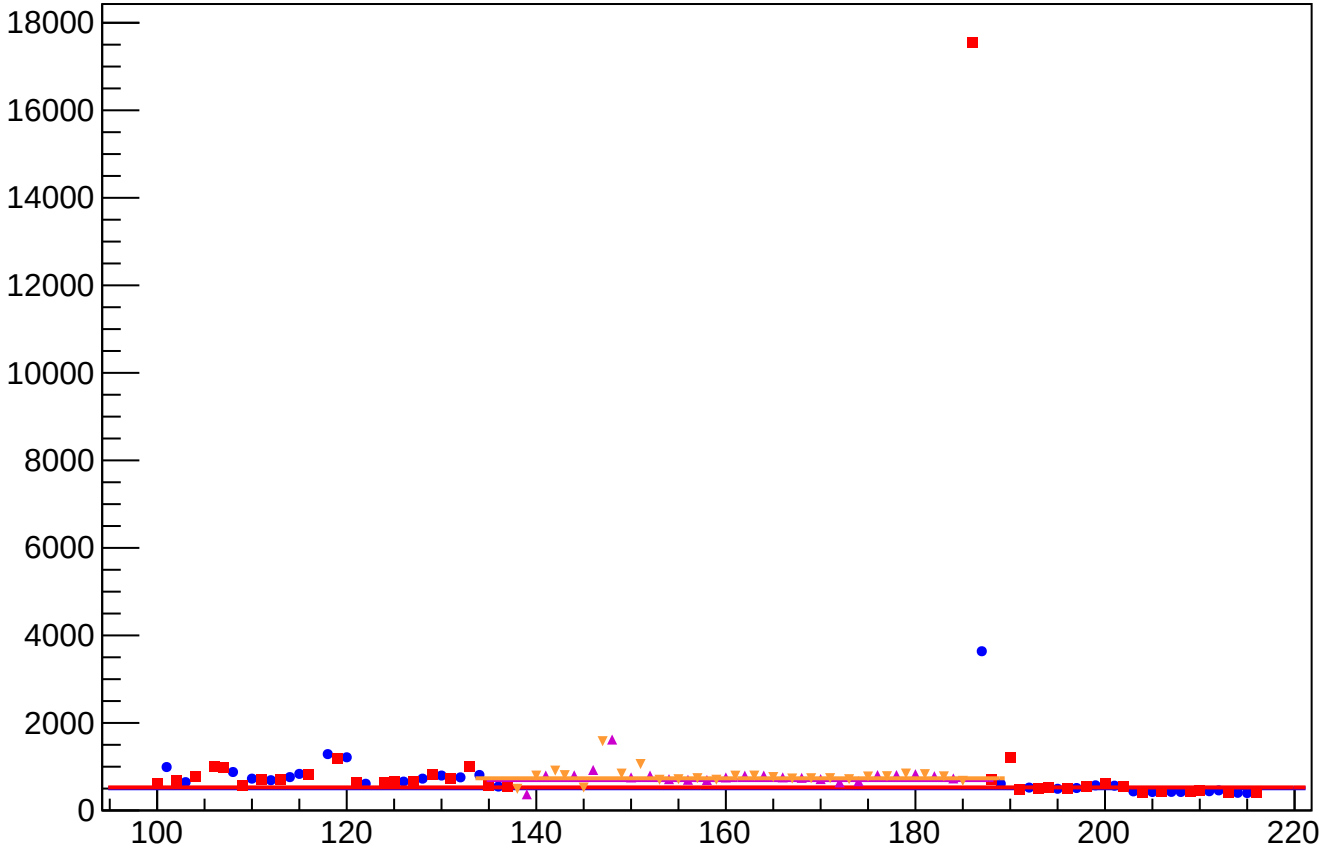
Right: -0.035+/-0.087 χ^2/NDF: 92.9/65

In: -0.102+/-0.098 χ^2/NDF:34.4/53

Out: -0.001+/-0.101 χ^2/NDF:92.6/59

All: -0.053+/-0.071 χ^2/NDF: 127.5/113

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: 526.781+/-0.089 χ^2/NDF: 3038562.4/34

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

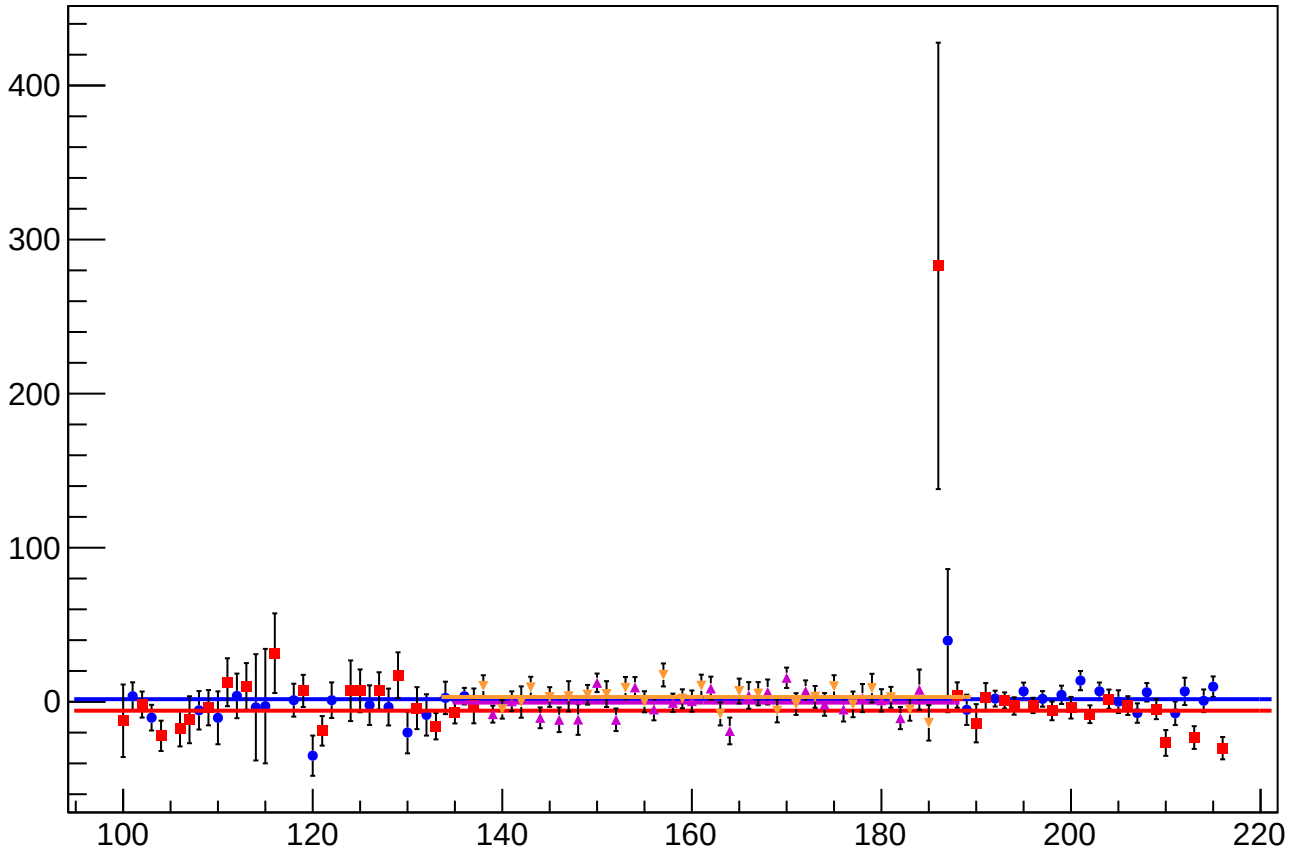
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 516.636+/-0.062 χ^2/NDF: 5801481.0/65

In: 570.532+/-0.070 χ^2/NDF:6579616.7/53

Out: 599.149+/-0.072 χ^2/NDF:6287616.4/59

All: 584.399+/-0.050 χ^2/NDF: 12949216.4/11



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: -5.782+/-1.429 χ^2/NDF: 52.9/34

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

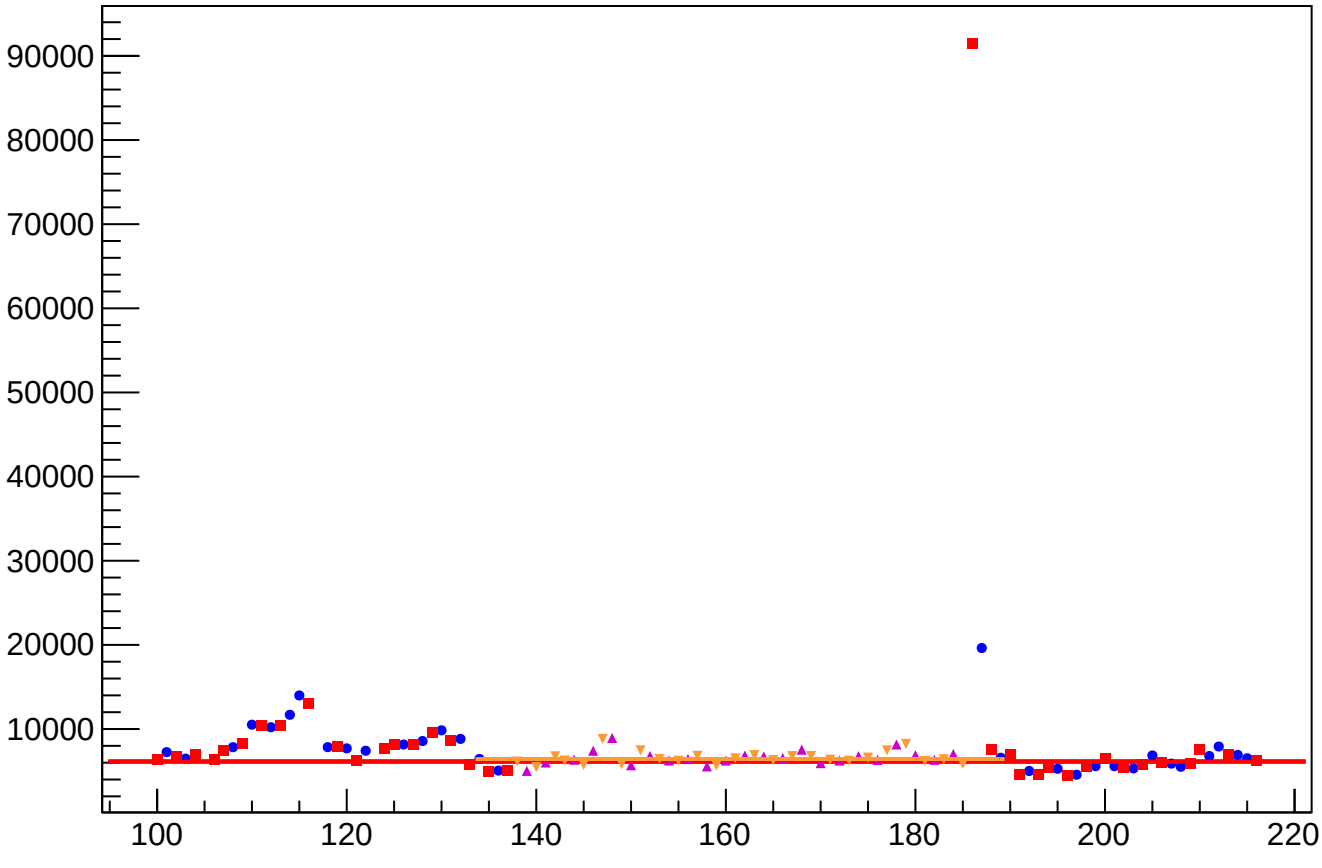
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -2.098+/-1.016 χ^2/NDF: 93.5/65

In: 0.613+/-1.045 χ^2/NDF:61.8/53

Out: -1.480+/-1.027 χ^2/NDF:90.4/59

All: -0.452+/-0.732 χ^2/NDF: 154.3/113



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: 6102.126+/-1.010 χ^2/NDF: 2415054.9/34

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

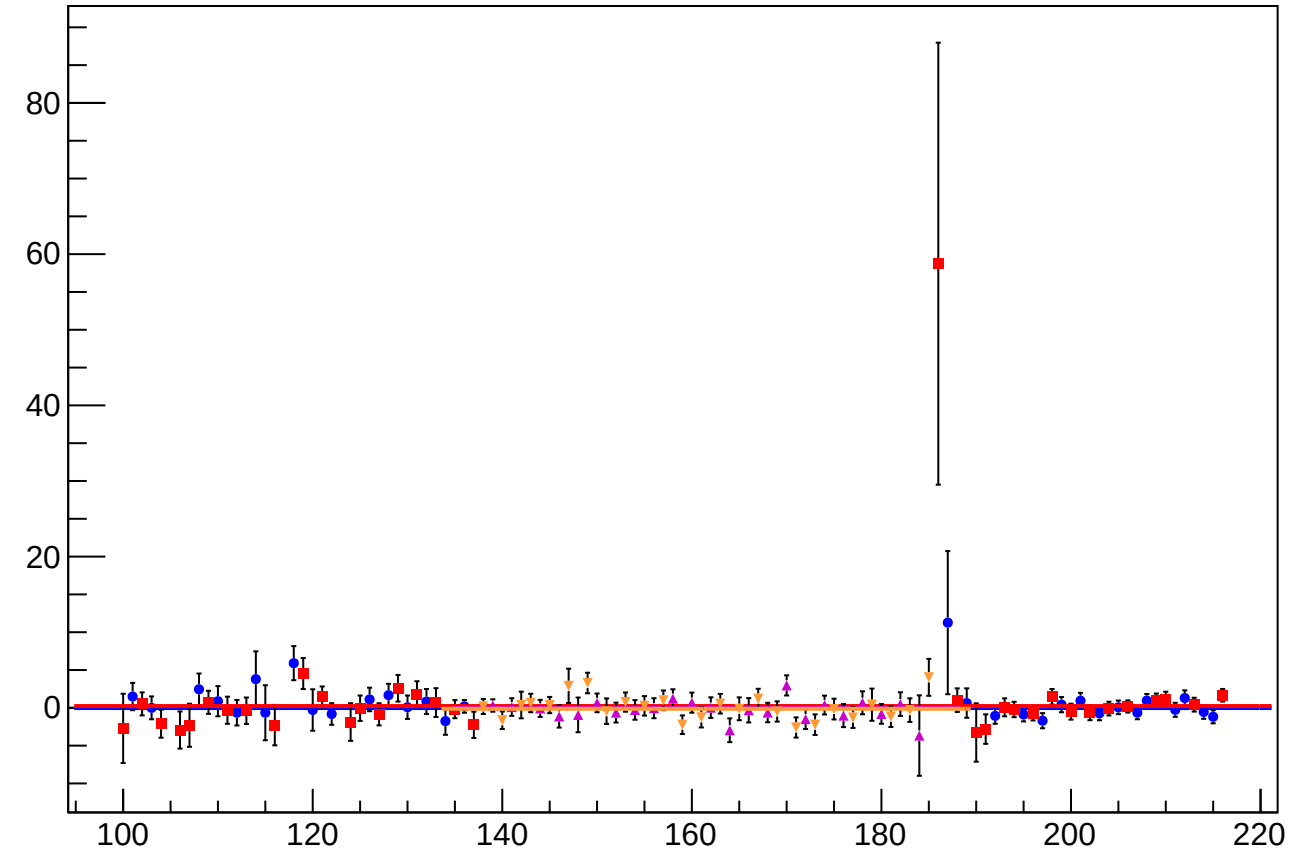
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6129.897+/-0.719 χ^2/NDF: 4214590.9/65

In: 6276.269+/-0.739 χ^2/NDF:2350922.9/53

Out: 6263.316+/-0.726 χ^2/NDF:2884990.2/59

All: 6269.676+/-0.518 χ^2/NDF: 5236069.4/11



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: 0.235+/-0.223 χ^2/NDF: 33.2/34

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

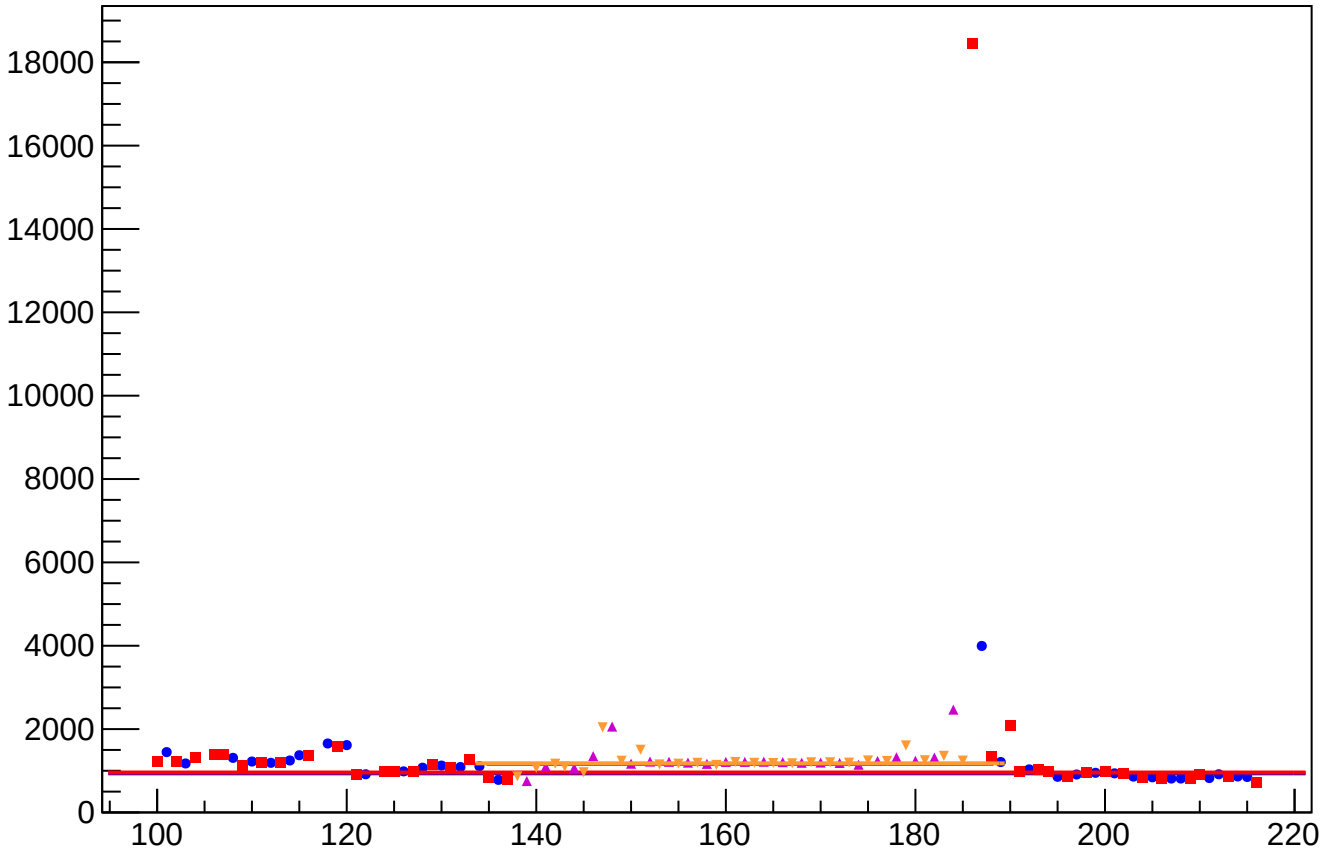
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.101+/-0.156 χ^2/NDF: 61.2/65

In: -0.028+/-0.172 χ^2/NDF:41.7/53

Out: 0.092+/-0.173 χ^2/NDF:61.2/59

All: 0.031+/-0.122 χ^2/NDF: 103.2/113



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: 958.332+/-0.158 χ^2/NDF: 2099138.8/34

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

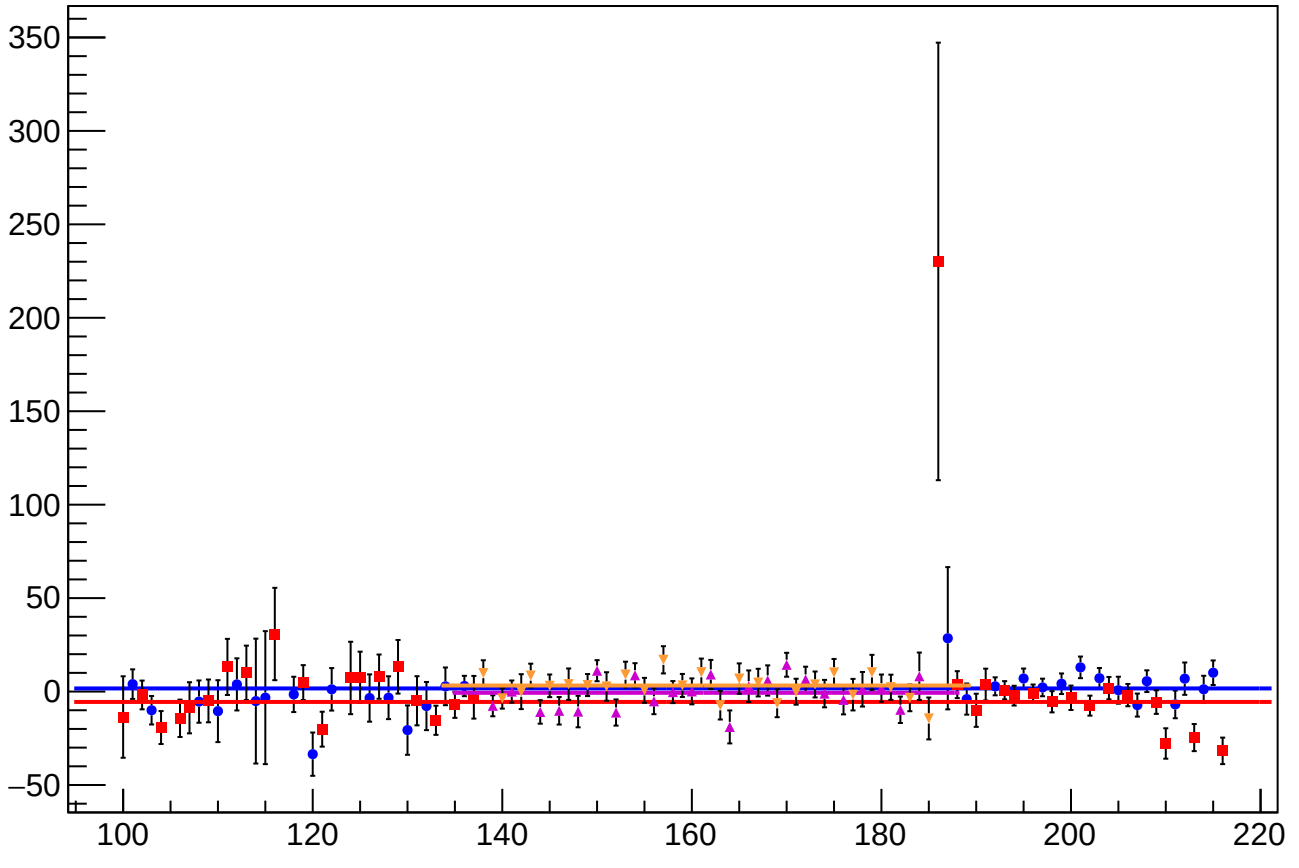
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 948.461+/-0.111 χ^2/NDF: 3444433.0/65

In: 1024.802+/-0.122 χ^2/NDF:3195422.8/53

Out: 1046.191+/-0.122 χ^2/NDF:3672476.7/59

All: 1035.441+/-0.086 χ^2/NDF: 6883265.5/11



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: -5.553+/-1.343 χ^2/NDF: 58.6/34

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

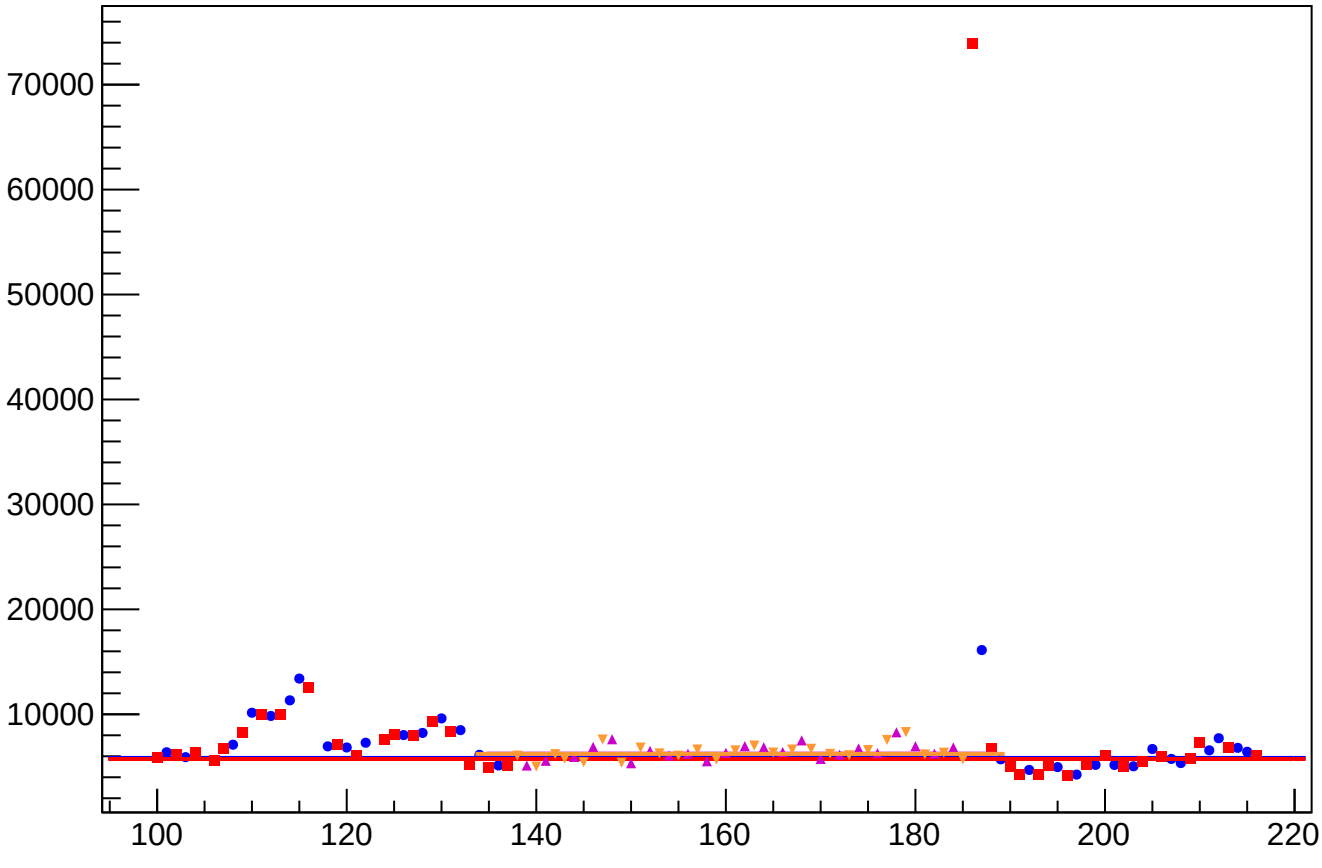
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -2.018+/-0.960 χ^2/NDF: 102.3/65

In: 0.585+/-1.004 χ^2/NDF:63.2/53

Out: -1.432+/-0.979 χ^2/NDF:96.6/59

All: -0.449+/-0.701 χ^2/NDF: 161.9/113



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: 5739.517+/-0.950 χ^2/NDF: 2481979.9/34

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

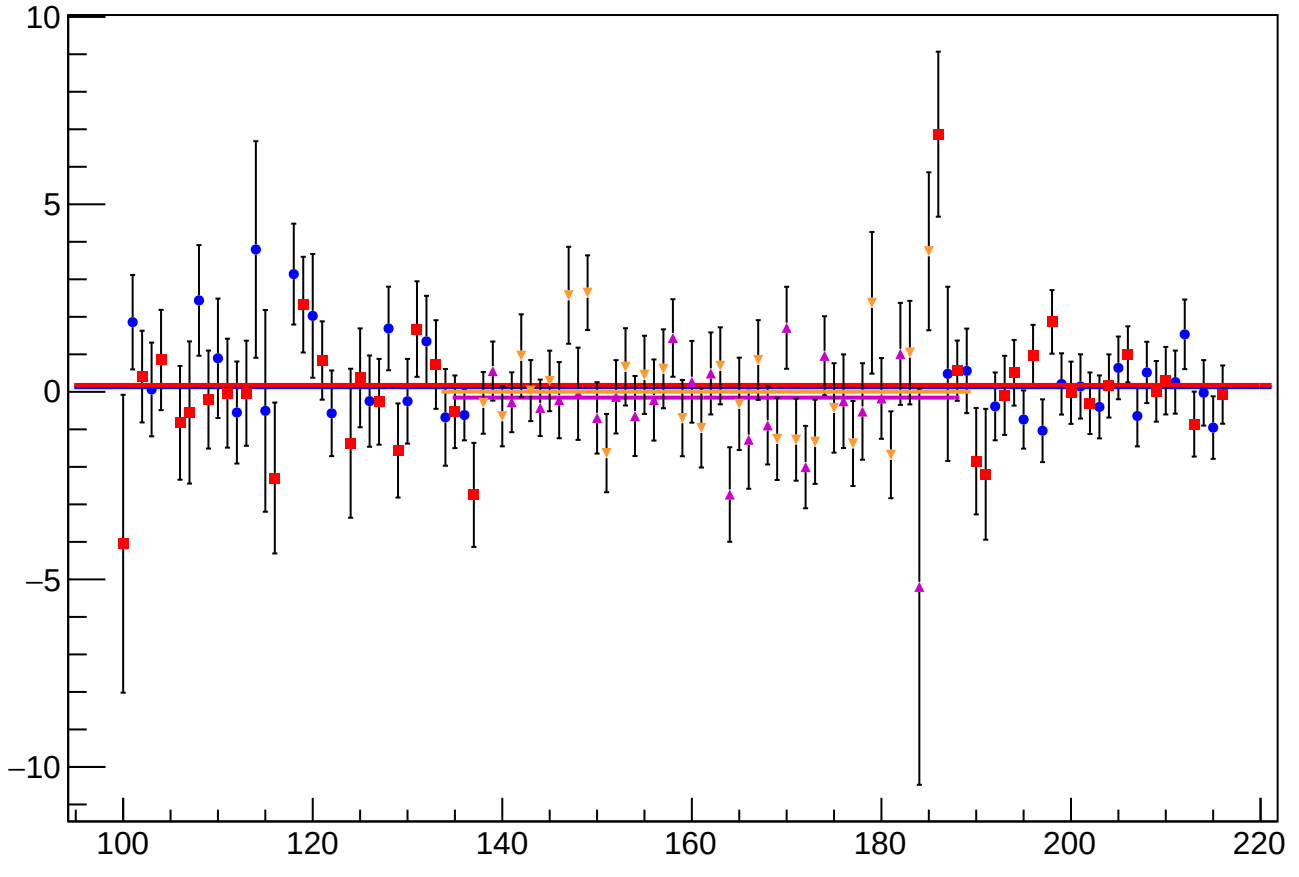
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5789.872+/-0.679 χ^2/NDF: 4316033.1/65

In: 6030.162+/-0.710 χ^2/NDF:2393978.5/53

Out: 5968.911+/-0.692 χ^2/NDF:3077163.1/59

All: 5998.759+/-0.496 χ^2/NDF: 5474956.5/11



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: 0.185+/-0.182 χ^2/NDF: 37.8/34

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

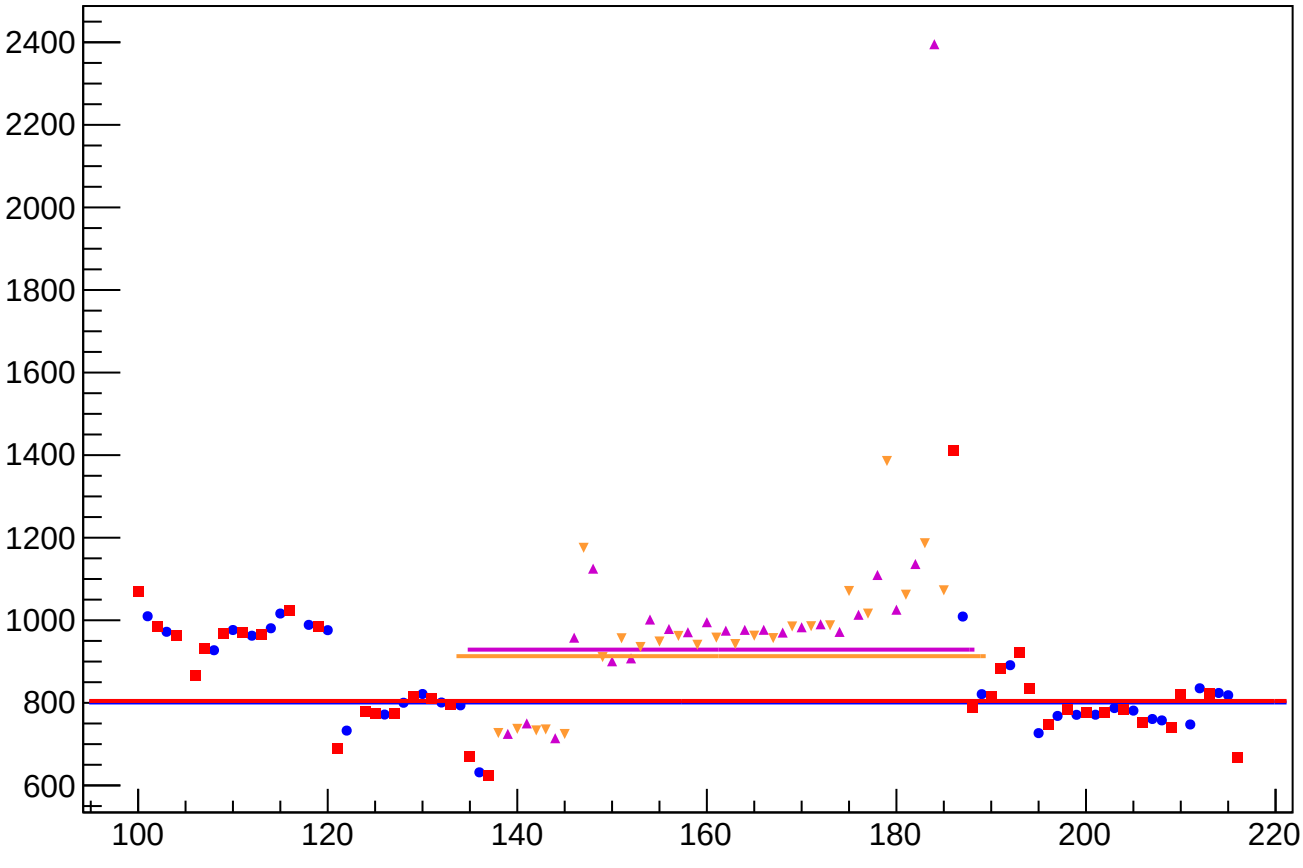
Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

Right: 0.155+/-0.129 χ^2/NDF: 65.5/65

In: 0.011+/-0.141 χ^2/NDF:47.0/53

Out: 0.108+/-0.138 χ^2/NDF:69.9/59

All: 0.060+/-0.099 χ^2/NDF: 117.1/113



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: 804.586+/-0.129 χ^2/NDF: 627272.2/34

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

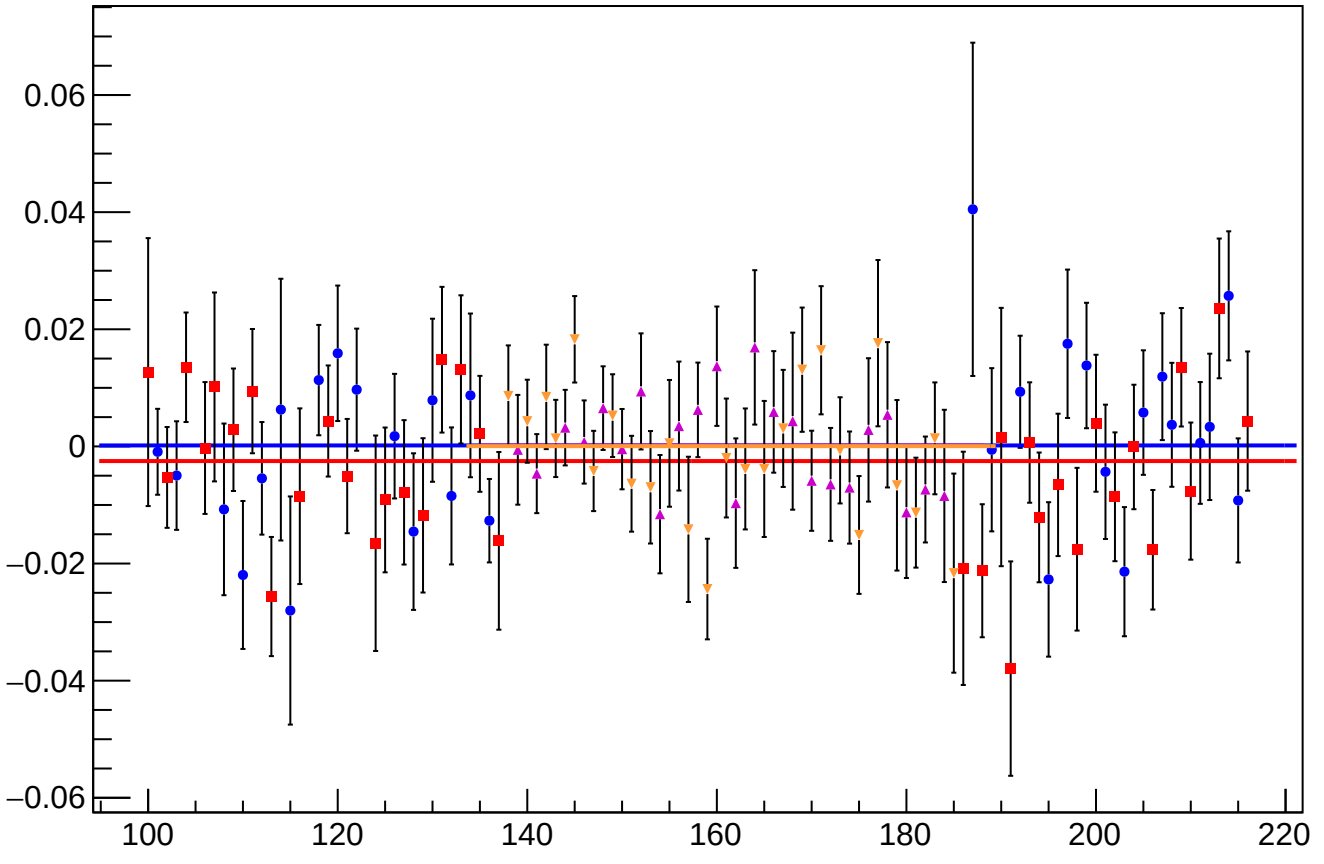
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 802.756+/-0.091 χ^2/NDF: 1092881.6/65

In: 853.129+/-0.100 χ^2/NDF:1631271.9/53

Out: 850.757+/-0.098 χ^2/NDF:1817511.7/59

All: 851.918+/-0.070 χ^2/NDF: 3449071.6/113



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: 37.8/34

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

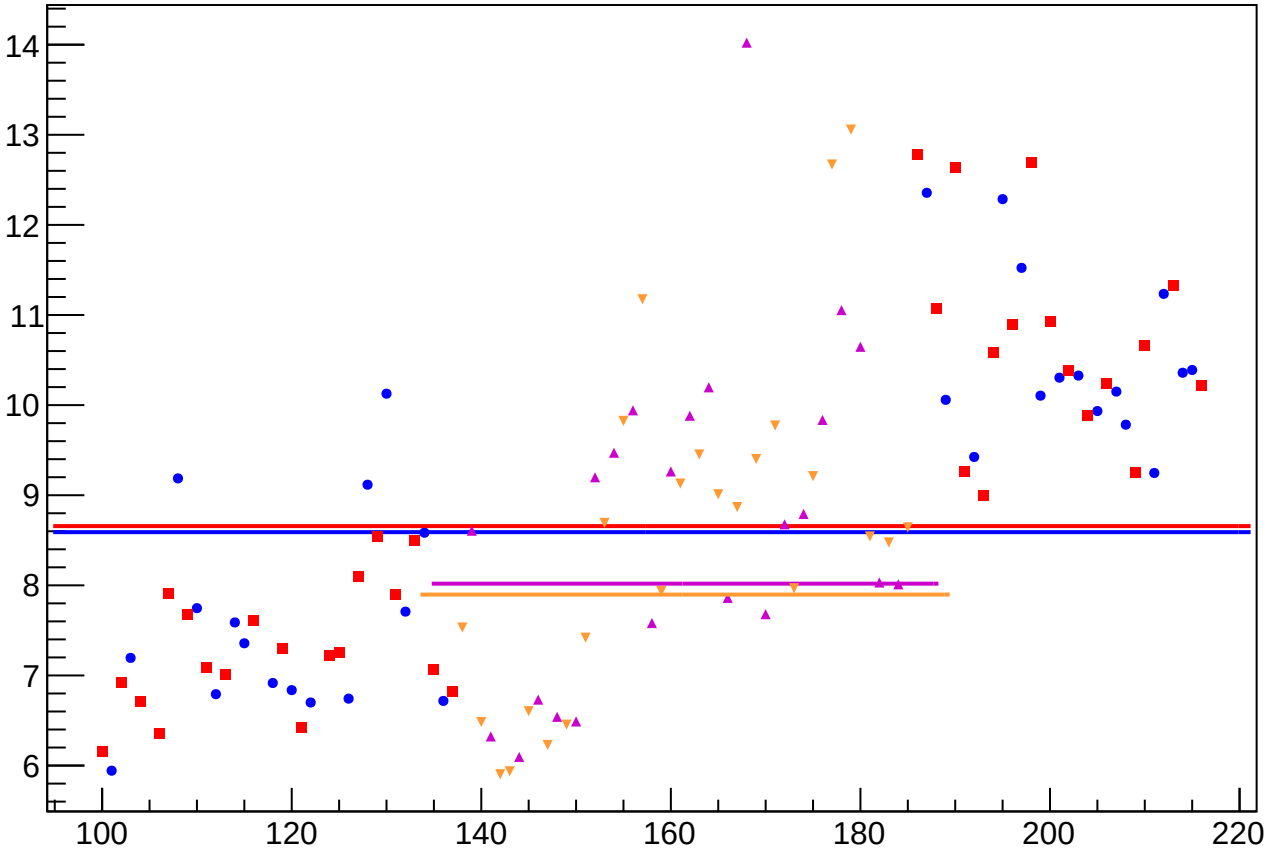
Right: -0.001+/-0.001 χ^2/NDF: 76.1/65

In: 0.000+/-0.001 χ^2/NDF:50.3/53

Out: -0.001+/-0.001 χ^2/NDF:69.8/59

All: -0.001+/-0.001 χ^2/NDF: 120.5/113

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: 8.657+/-0.001 χ^2/NDF: 1620800.2/34

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

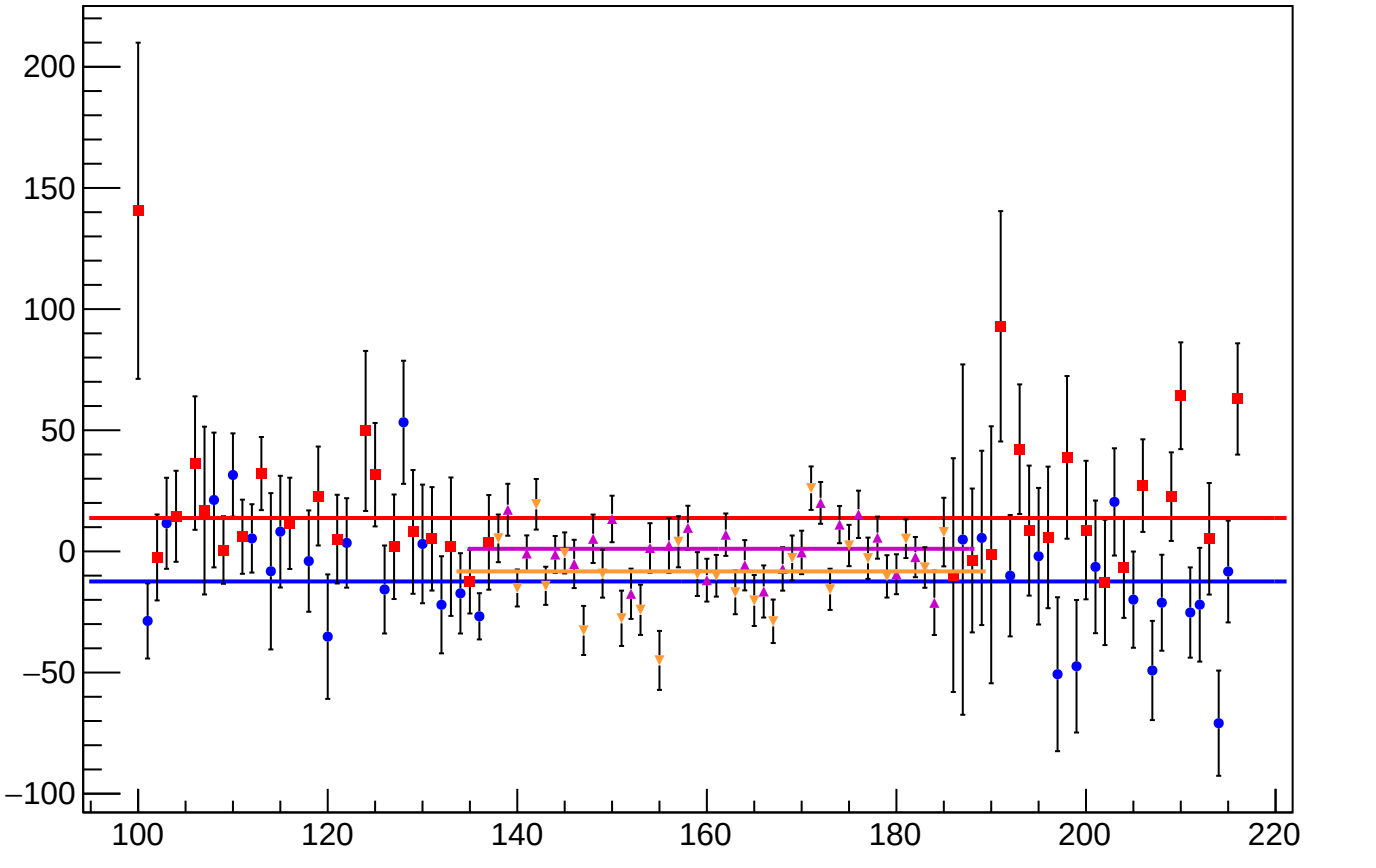
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

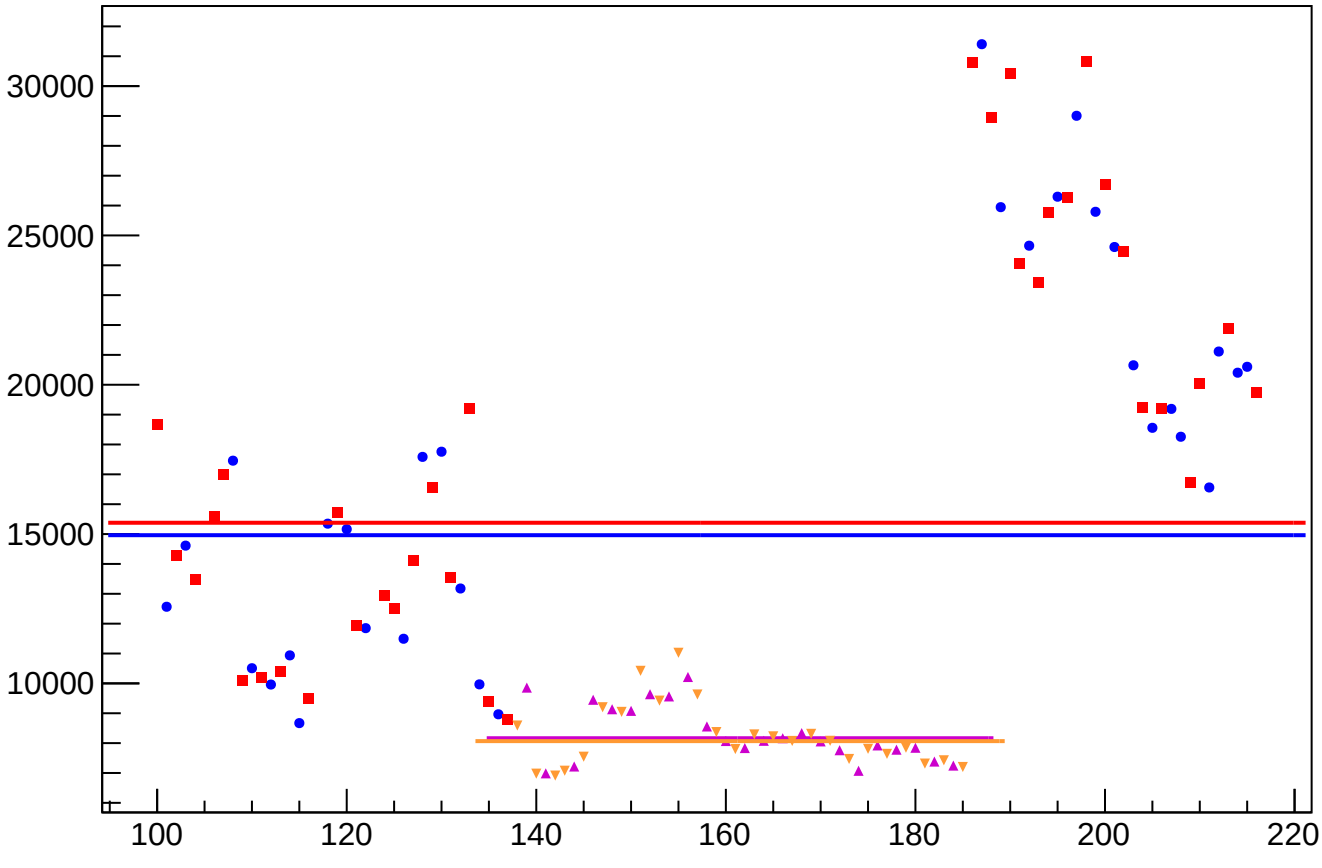
Right: 8.624+/-0.001 χ^2/NDF: 3210712.7/65

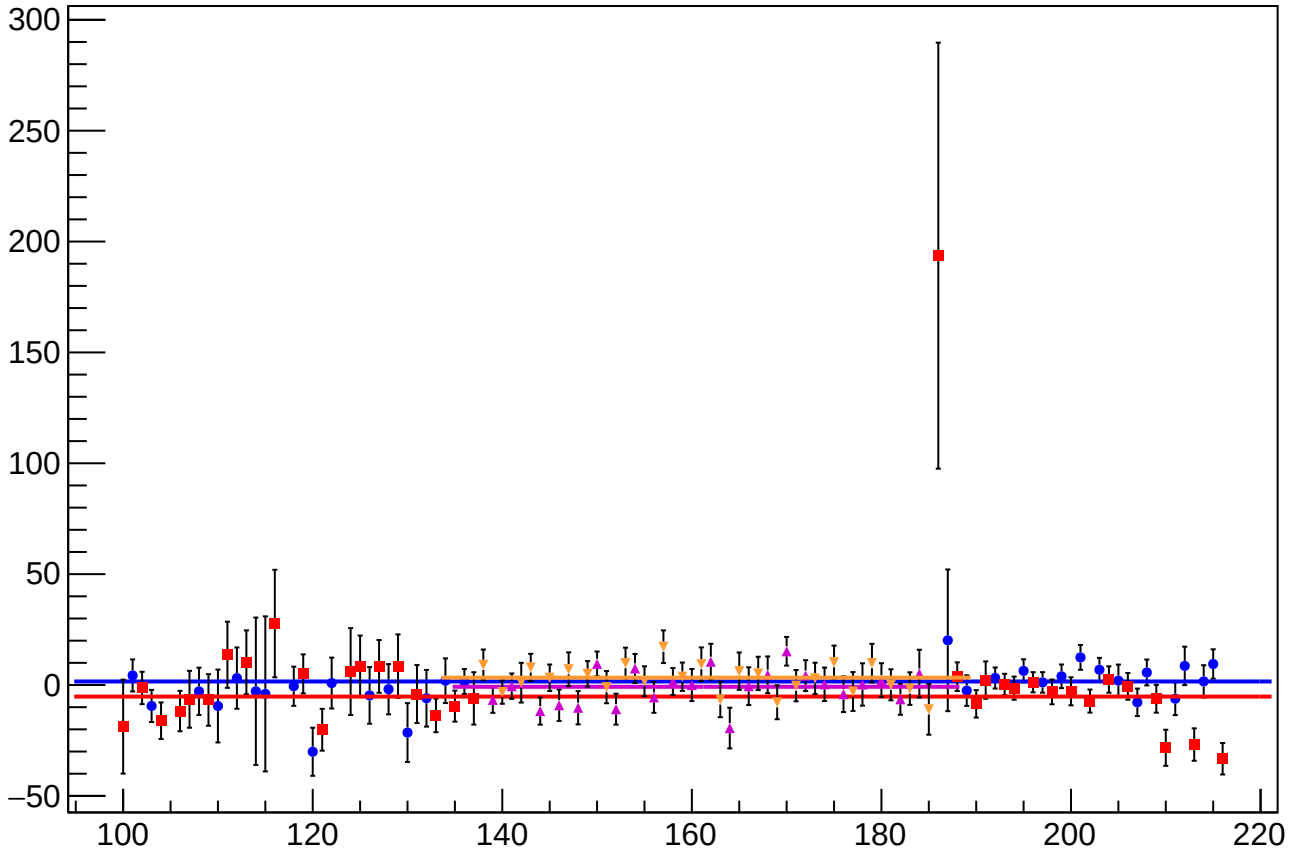
In: 8.292+/-0.001 χ^2/NDF:3129452.6/53

Out: 8.248+/-0.001 χ^2/NDF:3368247.2/59

All: 8.269+/-0.001 χ^2/NDF: 6498741.1/113


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: -12.406+/-3.634 χ²/NDF: 41.8/30
Left Out: -8.256+/-1.849 χ²/NDF:62.2/24
Right Out: 13.778+/-3.706 χ²/NDF: 32.7/34
Left In: 1.072+/-1.921 χ²/NDF:28.8/22
Left: -3.769+/-1.332 χ²/NDF: 103.2/47
Right: 0.431+/-2.595 χ²/NDF: 100.0/65
In: -1.871+/-1.698 χ²/NDF:81.4/53
Out: -3.863+/-1.655 χ²/NDF:123.2/59
All: -2.893+/-1.185 χ²/NDF: 205.3/113


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: 15378.916+/-2.620 χ²/NDF: 4861643.1/34
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 15166.595+/-1.835 χ²/NDF: 9296740.6/65
In: 9647.988+/-1.201 χ²/NDF:10325694.6/53
Out: 9524.797+/-1.170 χ²/NDF:11594098.7/59
All: 9584.797+/-0.838 χ²/NDF: 21925191.8/



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: -5.217+/-1.303 χ^2/NDF: 62.9/34

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

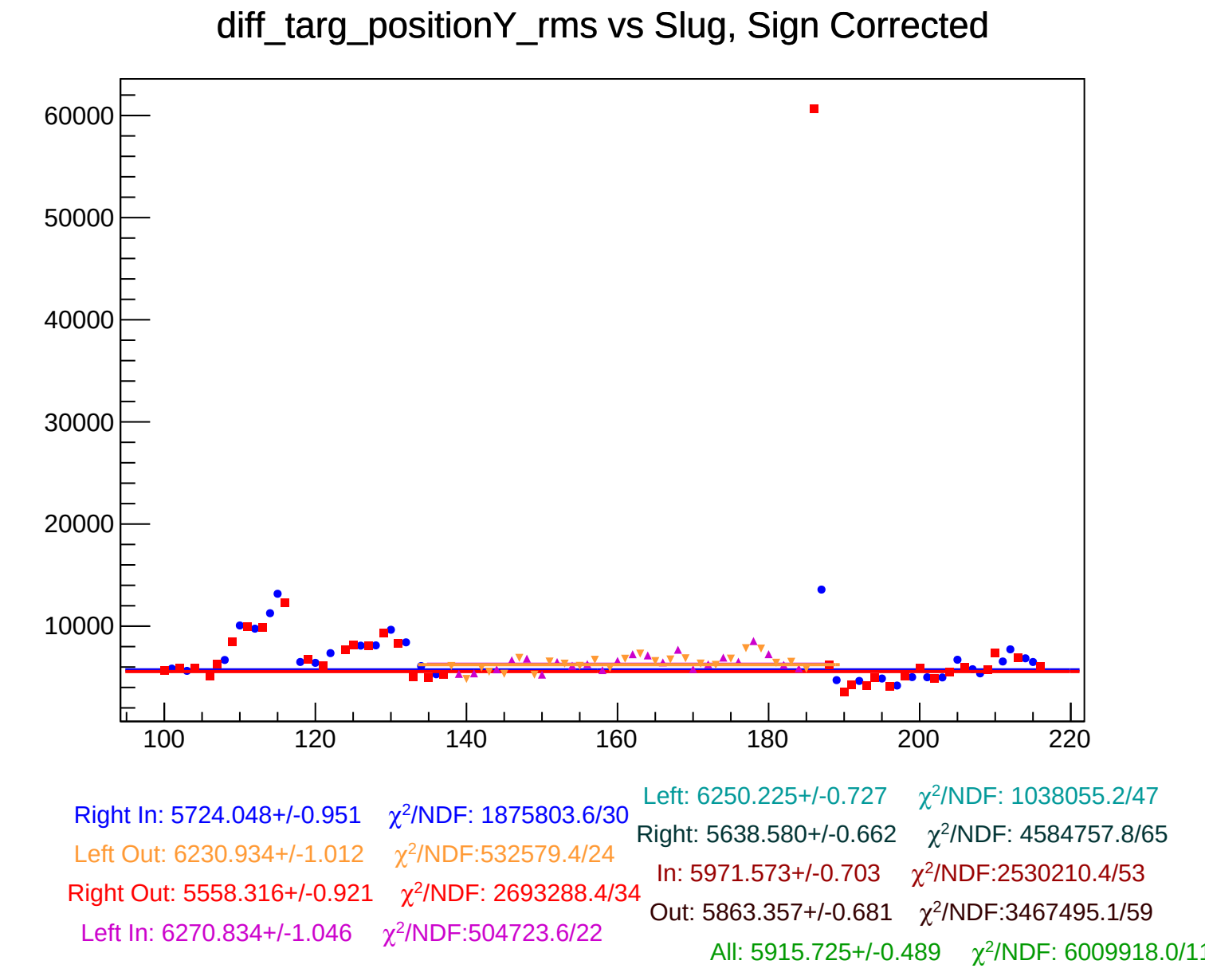
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -1.917+/-0.936 χ^2/NDF: 104.1/65

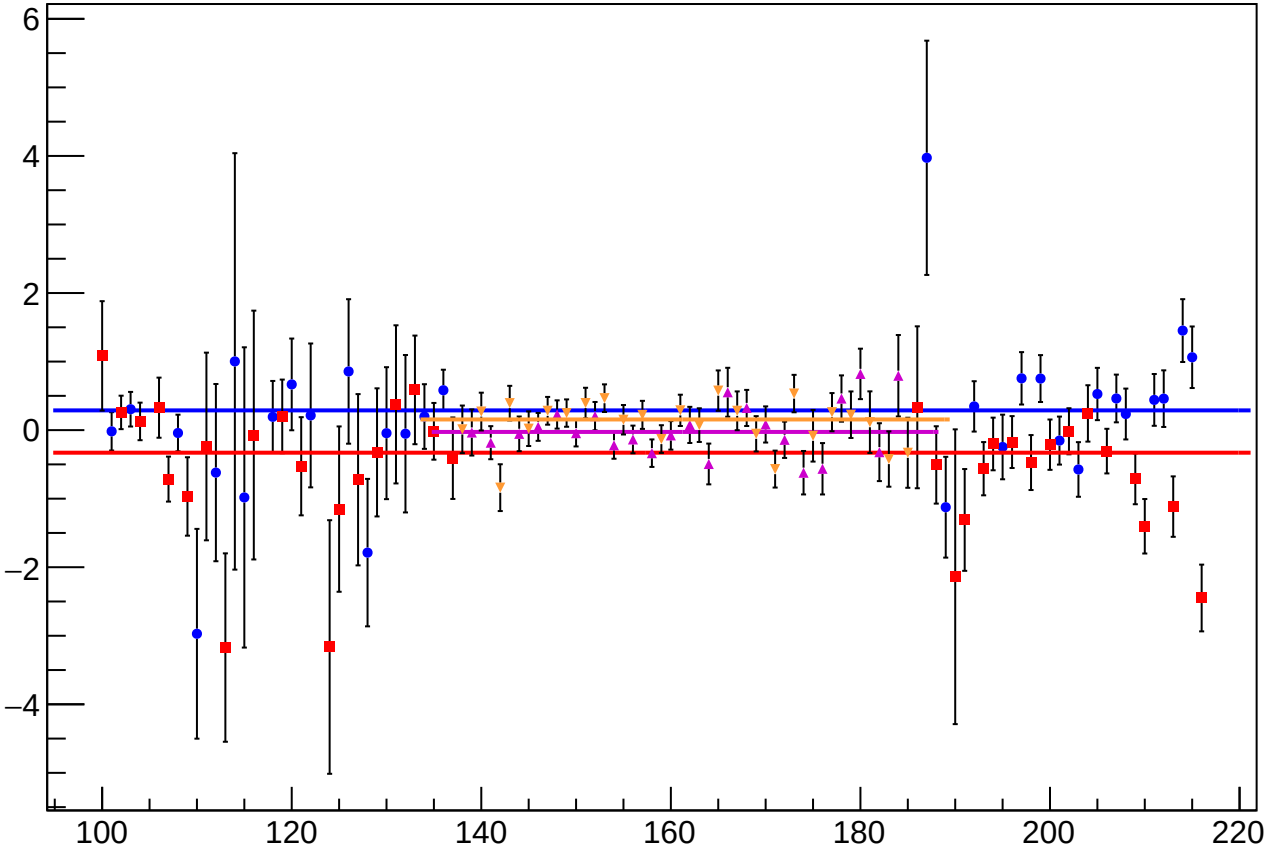
In: 0.514+/-0.995 χ^2/NDF:58.8/53

Out: -1.341+/-0.963 χ^2/NDF:99.3/59

All: -0.443+/-0.692 χ^2/NDF: 160.0/113


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: 5558.316+/-0.921 χ²/NDF: 2693288.4/34
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 5638.580+/-0.662 χ²/NDF: 4584757.8/65
In: 5971.573+/-0.703 χ²/NDF:2530210.4/53
Out: 5863.357+/-0.681 χ²/NDF:3467495.1/59
All: 5915.725+/-0.489 χ²/NDF: 6009918.0/11

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: -0.329+/-0.080 χ^2/NDF: 64.2/34

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

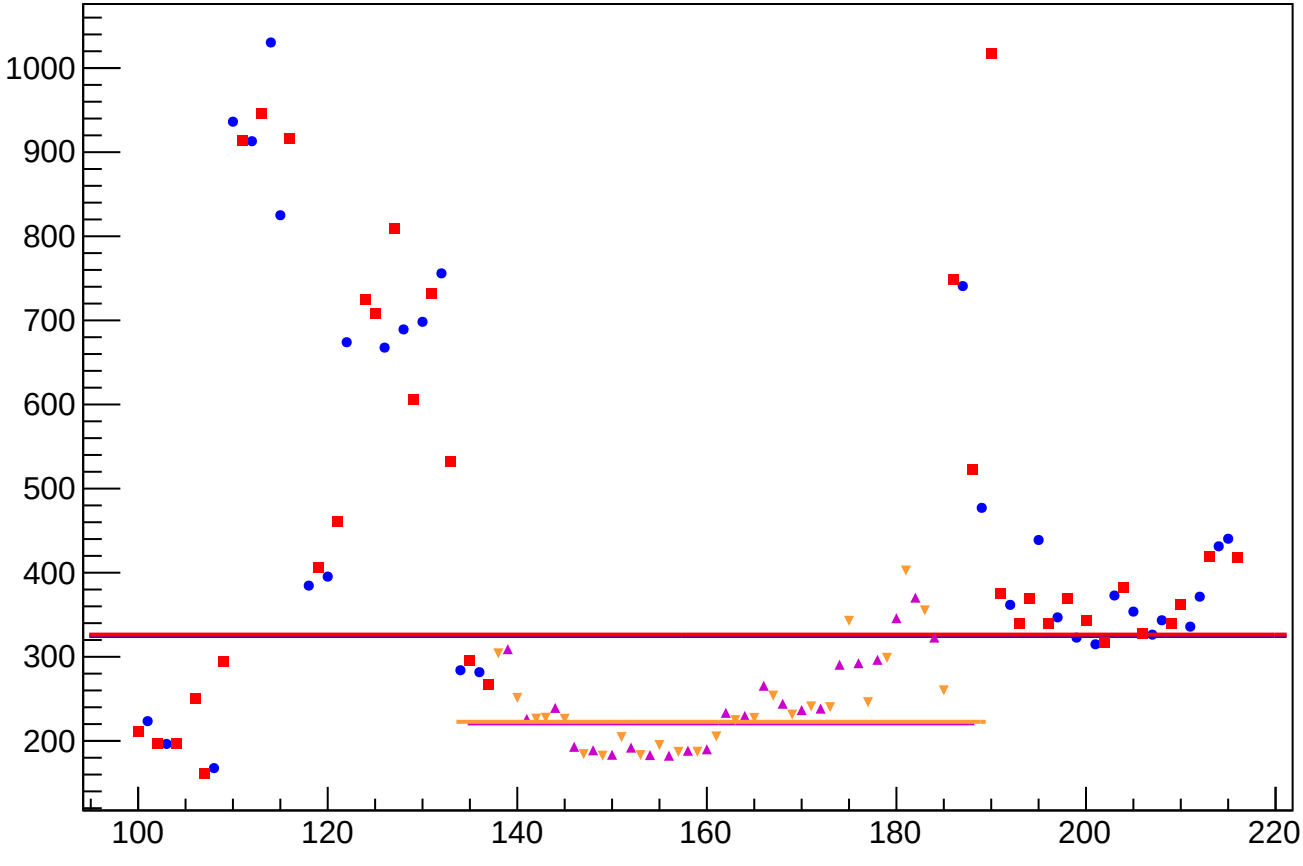
Right: -0.019+/-0.056 χ^2/NDF: 137.6/65

In: 0.070+/-0.044 χ^2/NDF:84.1/53

Out: 0.011+/-0.044 χ^2/NDF:122.4/59

All: 0.041+/-0.031 χ^2/NDF: 207.3/113

diff_targ_thetaX_rms vs Slug, Sign Corrected



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: 326.408+/-0.056 χ^2/NDF: 4899101.8/34

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

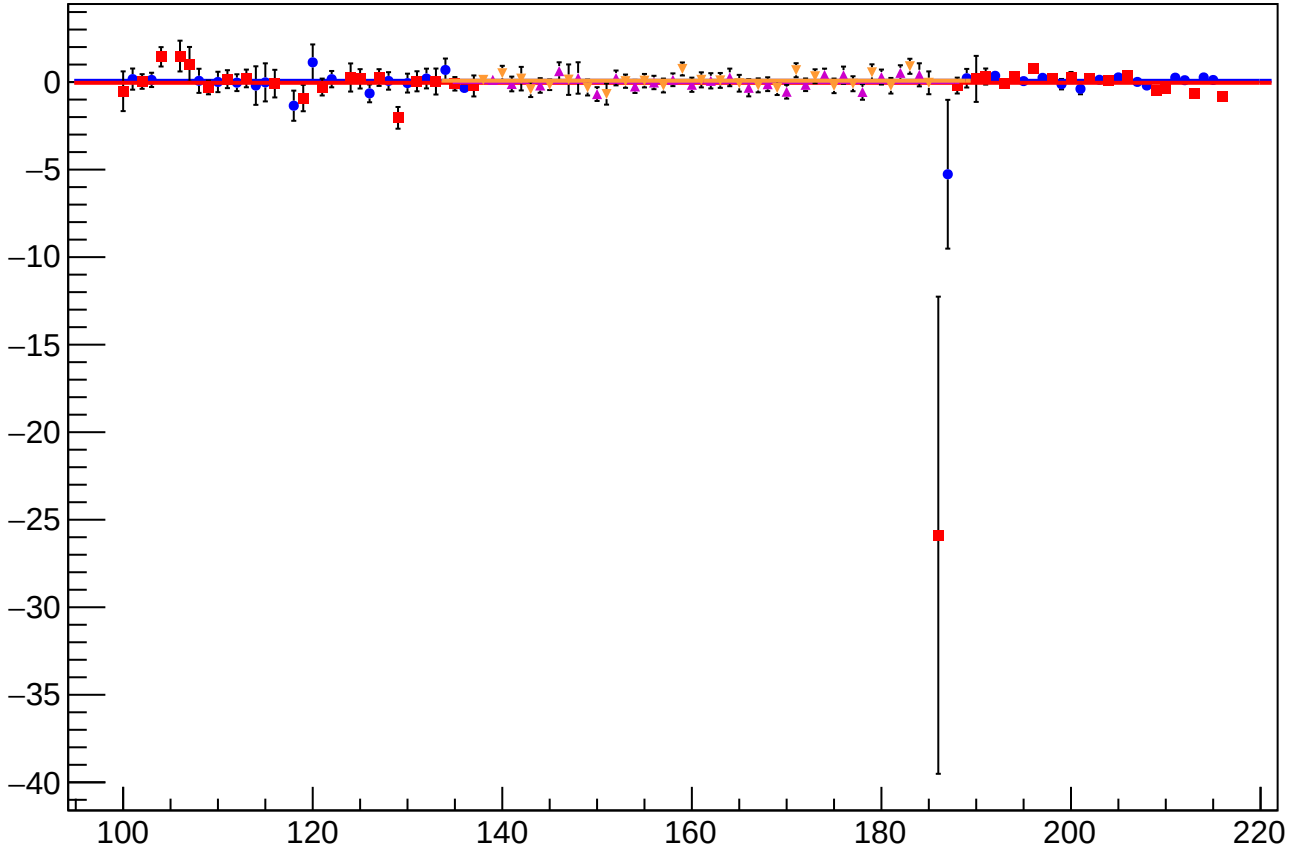
Right: 325.616+/-0.040 χ^2/NDF: 9333157.8/65

In: 252.874+/-0.031 χ^2/NDF:8283496.3/53

Out: 253.534+/-0.031 χ^2/NDF:8721054.3/59

All: 253.208+/-0.022 χ^2/NDF: 17004777.4/11

diff_targ_thetaY_mean vs Slug, Sign Corrected



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: -0.042+/-0.062 χ^2/NDF: 72.3/34

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

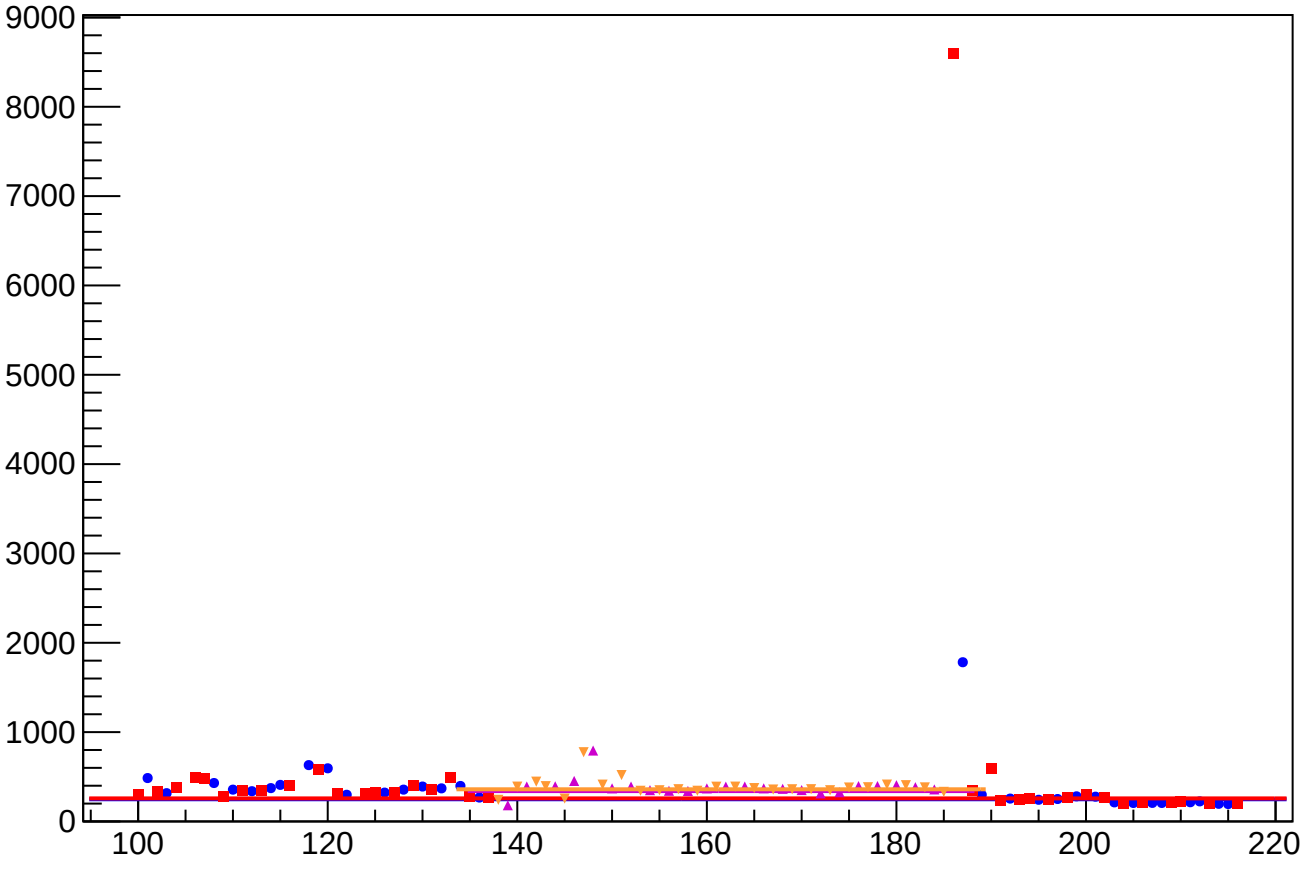
Right: 0.017+/-0.043 χ^2/NDF: 92.9/65

In: 0.050+/-0.048 χ^2/NDF:34.4/53

Out: 0.001+/-0.050 χ^2/NDF:92.6/59

All: 0.026+/-0.035 χ^2/NDF: 127.5/113

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: 258.036+/-0.044 χ^2/NDF: 3038562.4/34

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

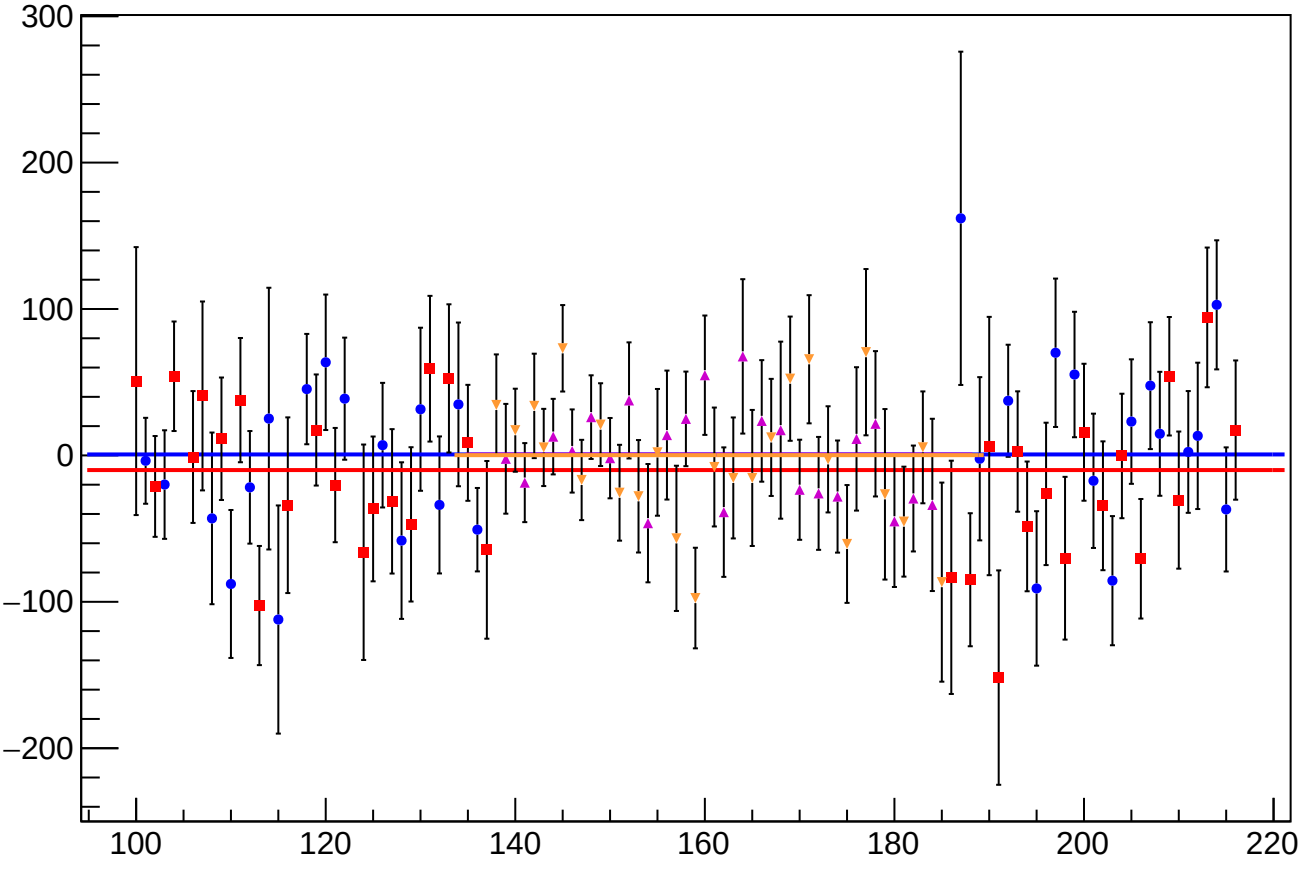
Right: 253.067+/-0.030 χ^2/NDF: 5801481.0/65

In: 279.467+/-0.034 χ^2/NDF:6579616.7/53

Out: 293.485+/-0.035 χ^2/NDF:6287616.4/59

All: 286.260+/-0.024 χ^2/NDF: 12949216.4/11

diff_bpmE_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: -10.013+/-7.976 χ^2/NDF: 37.8/34

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

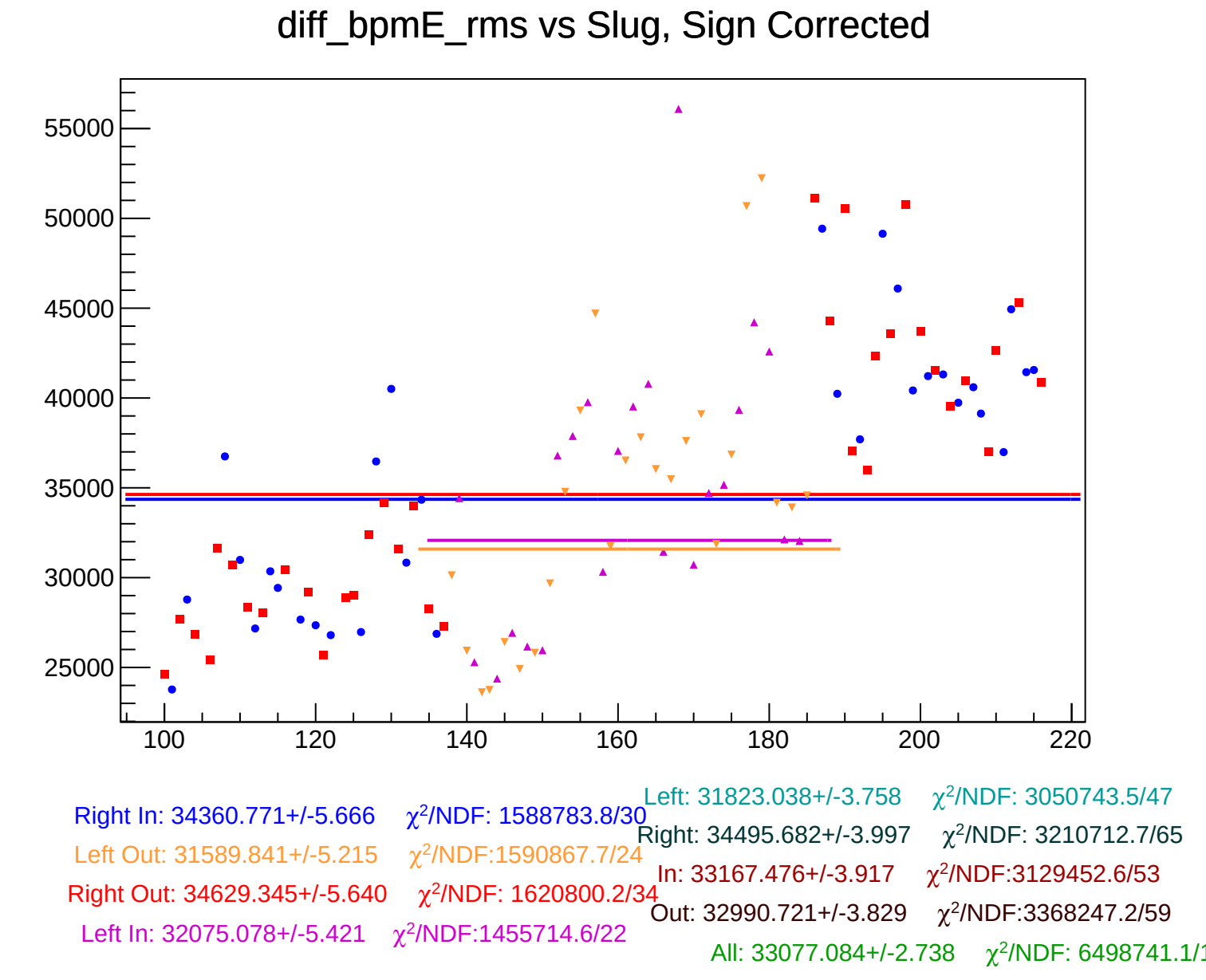
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -4.700+/-5.653 χ^2/NDF: 76.1/65

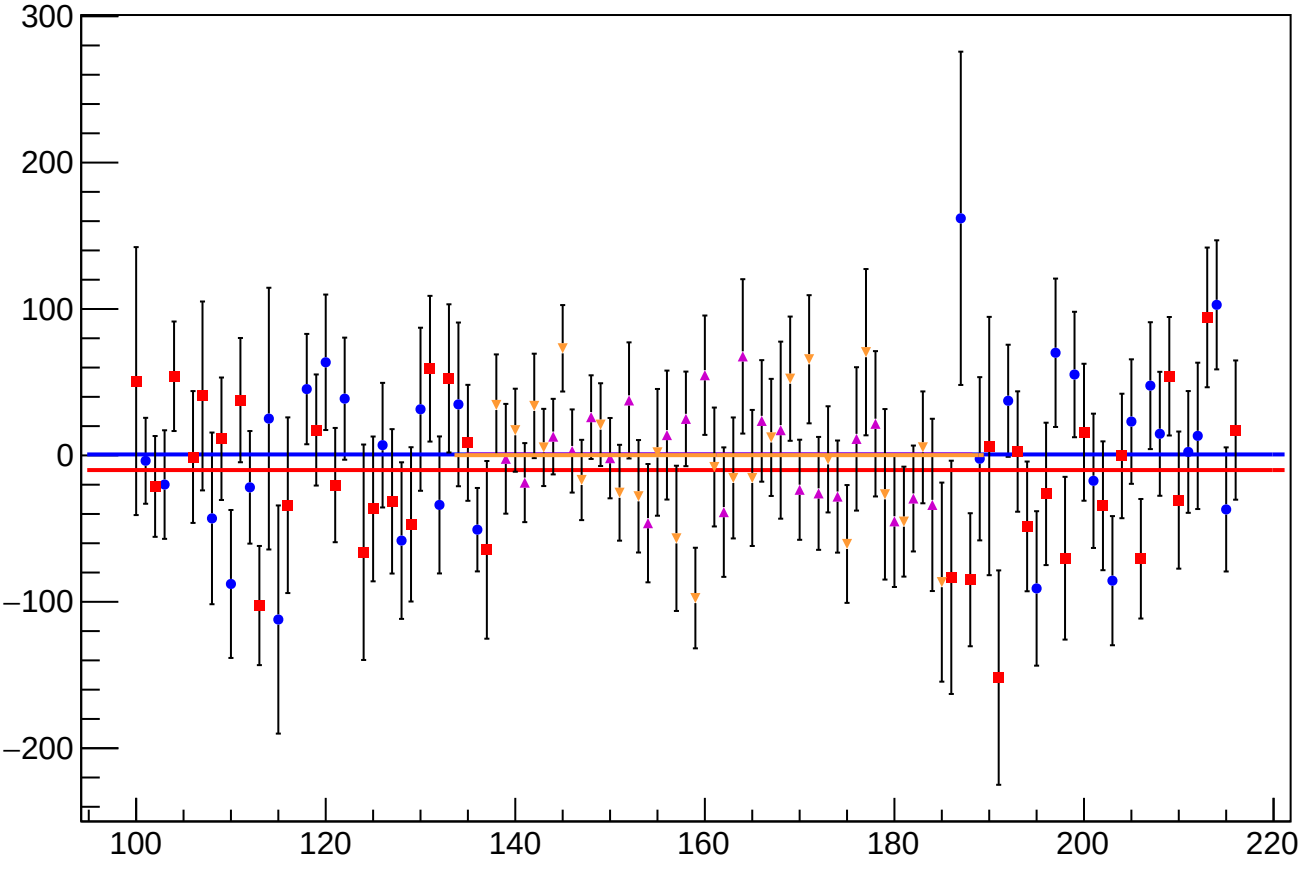
In: 0.623+/-5.540 χ^2/NDF:50.3/53

Out: -4.524+/-5.415 χ^2/NDF:69.8/59

All: -2.009+/-3.872 χ^2/NDF: 120.5/113


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: 34629.345+/-5.640 χ²/NDF: 1620800.2/34
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34495.682+/-3.997 χ²/NDF: 3210712.7/65
In: 33167.476+/-3.917 χ²/NDF:3129452.6/53
Out: 32990.721+/-3.829 χ²/NDF:3368247.2/59
All: 33077.084+/-2.738 χ²/NDF: 6498741.1/1

diff_bpmEX_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: -10.013+/-7.976 χ^2/NDF: 37.8/34

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

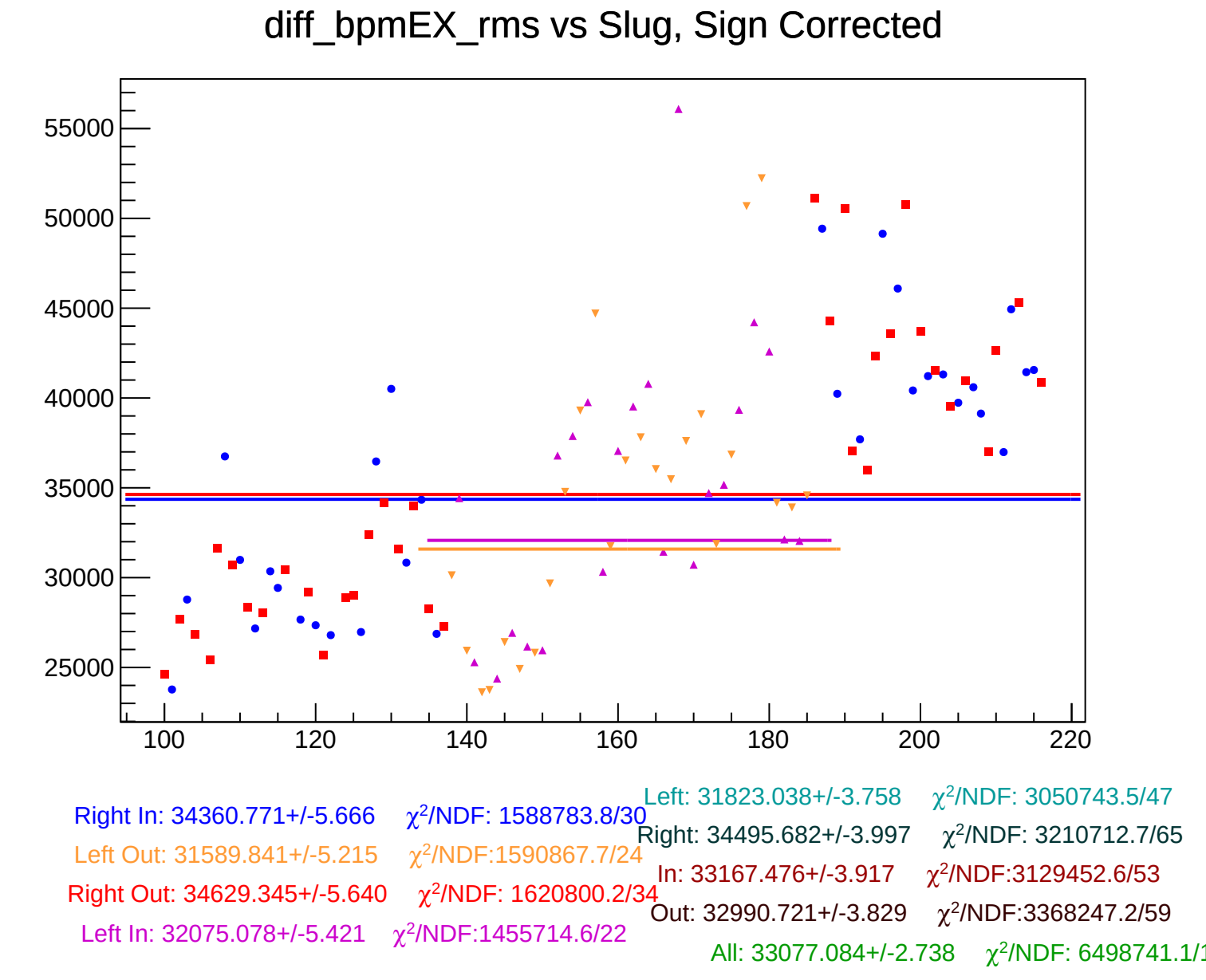
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

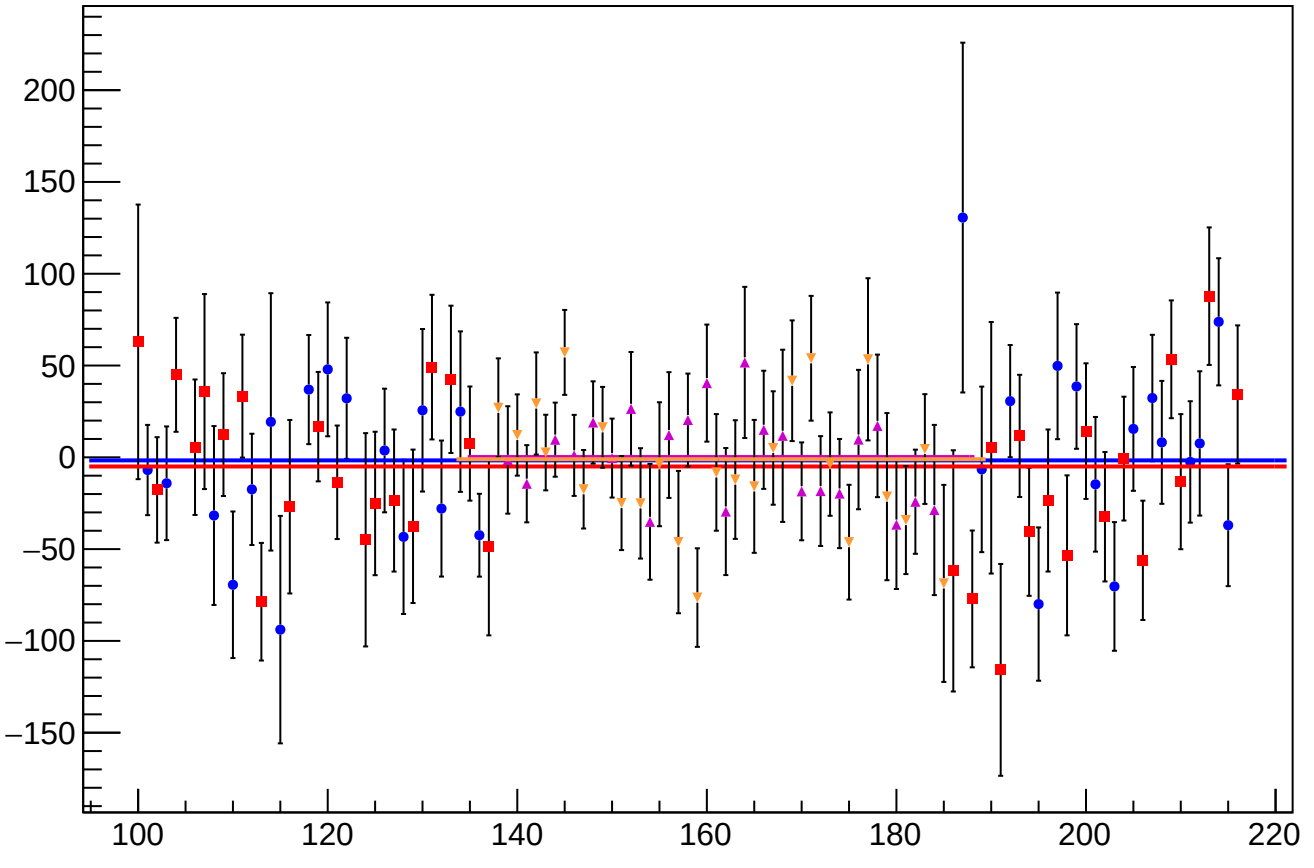
Right: -4.700+/-5.653 χ^2/NDF: 76.1/65

In: 0.623+/-5.540 χ^2/NDF:50.3/53

Out: -4.524+/-5.415 χ^2/NDF:69.8/59

All: -2.009+/-3.872 χ^2/NDF: 120.5/113


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: 34629.345+/-5.640 χ²/NDF: 1620800.2/34
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34495.682+/-3.997 χ²/NDF: 3210712.7/65
In: 33167.476+/-3.917 χ²/NDF:3129452.6/53
Out: 32990.721+/-3.829 χ²/NDF:3368247.2/59
All: 33077.084+/-2.738 χ²/NDF: 6498741.1/1



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: -4.988+/-6.363 χ^2/NDF: 42.7/34

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

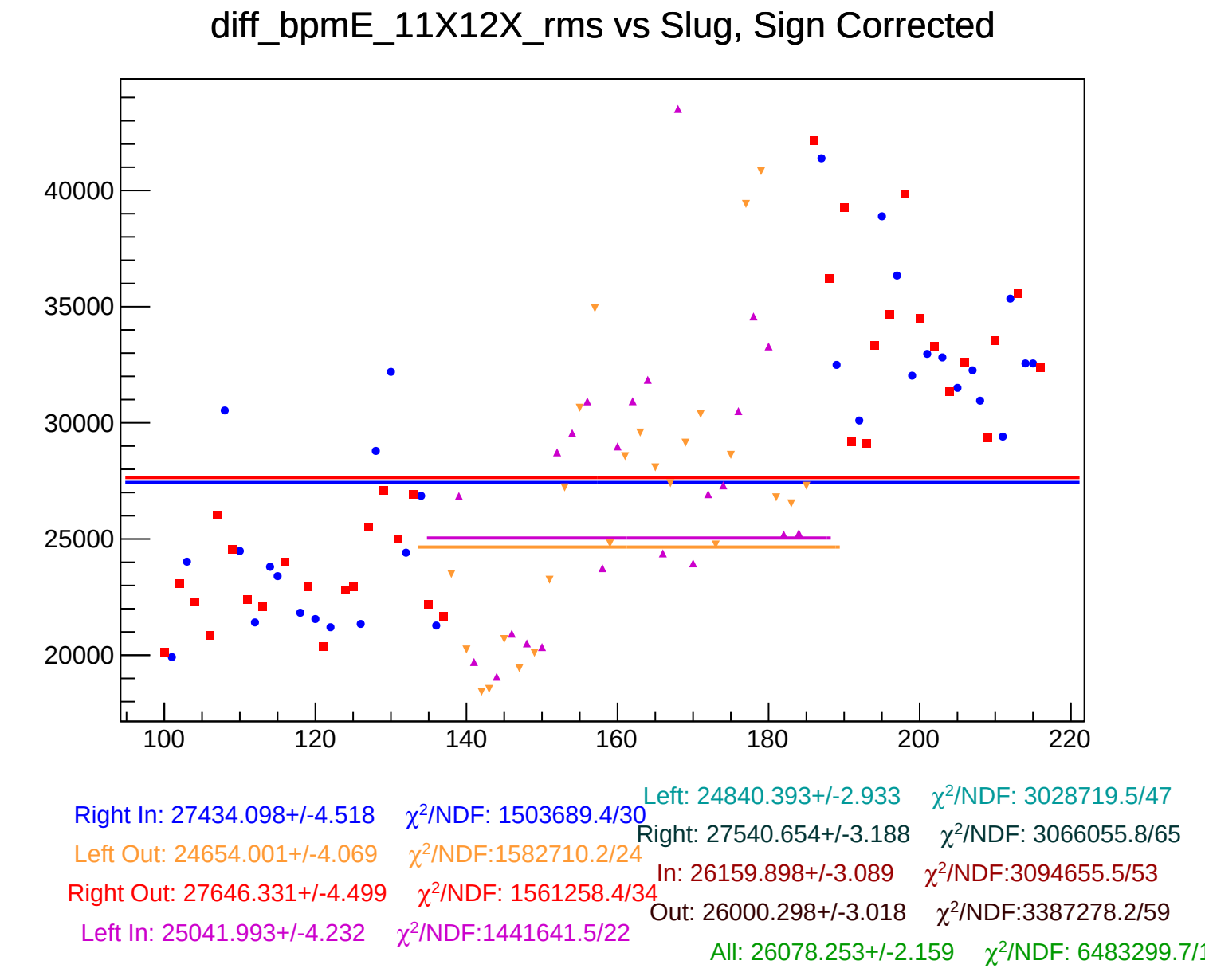
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -3.334+/-4.509 χ^2/NDF: 79.9/65

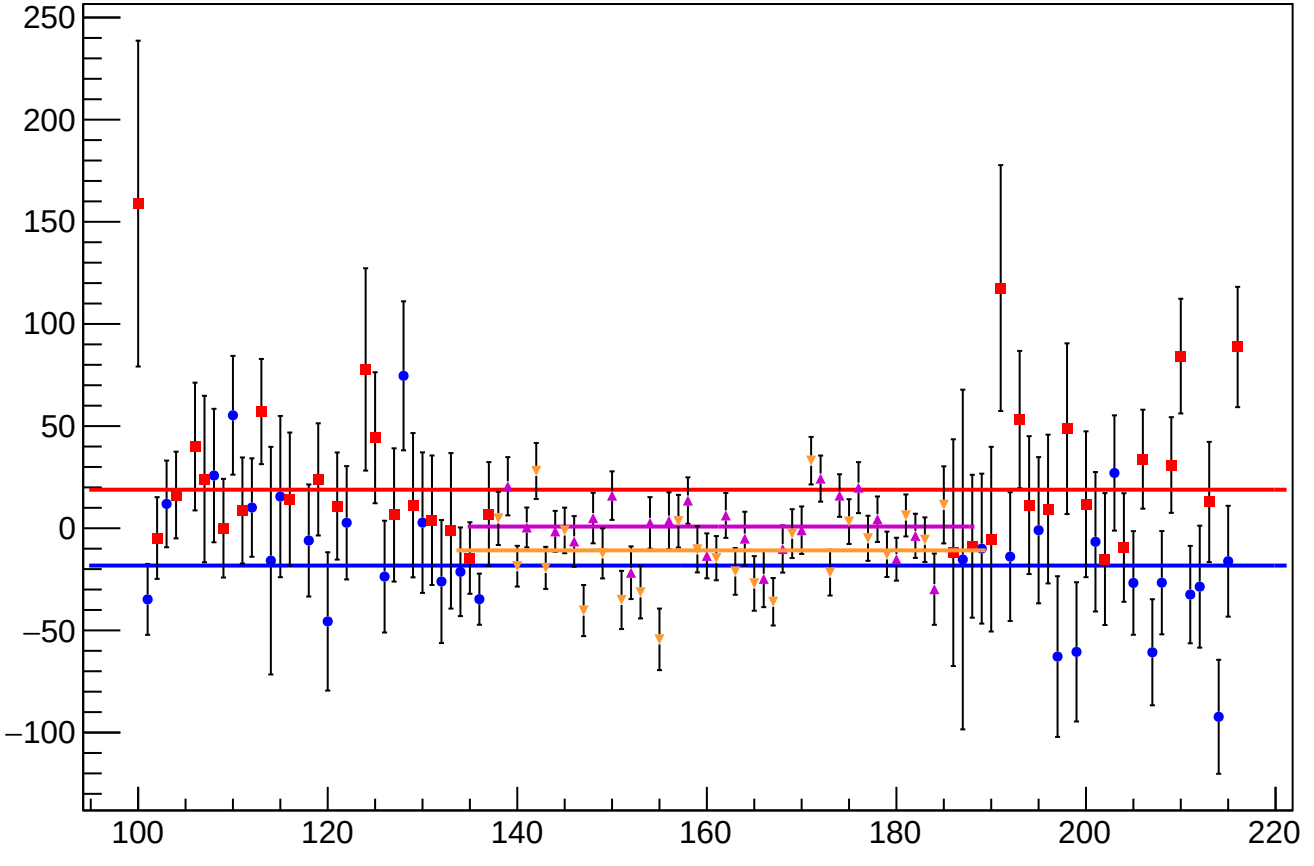
In: -0.700+/-4.368 χ^2/NDF:49.2/53

Out: -2.817+/-4.268 χ^2/NDF:75.3/59

All: -1.783+/-3.053 χ^2/NDF: 124.6/113


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: 27646.331+/-4.499 χ²/NDF: 1561258.4/34
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 27540.654+/-3.188 χ²/NDF: 3066055.8/65
In: 26159.898+/-3.089 χ²/NDF:3094655.5/53
Out: 26000.298+/-3.018 χ²/NDF:3387278.2/59
All: 26078.253+/-2.159 χ²/NDF: 6483299.7/1

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: 18.868+/-5.012 χ^2/NDF: 34.3/34

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

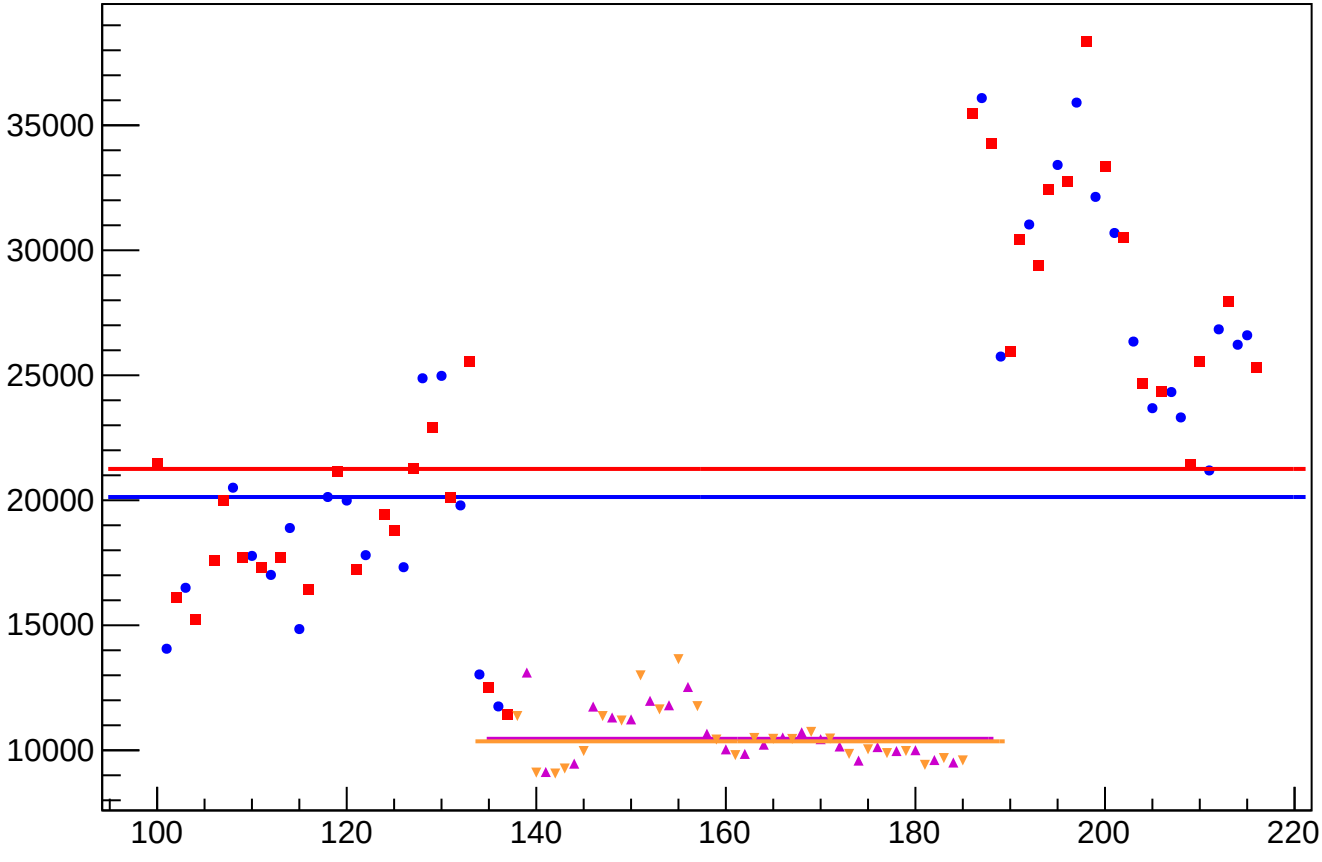
Right: -0.375+/-3.479 χ^2/NDF: 102.4/65

In: -3.096+/-2.190 χ^2/NDF:81.4/53

Out: -5.394+/-2.143 χ^2/NDF:124.3/59

All: -4.270+/-1.532 χ^2/NDF: 206.3/113

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: 21254.149+/-3.544 χ^2/NDF: 3381108.4/34

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

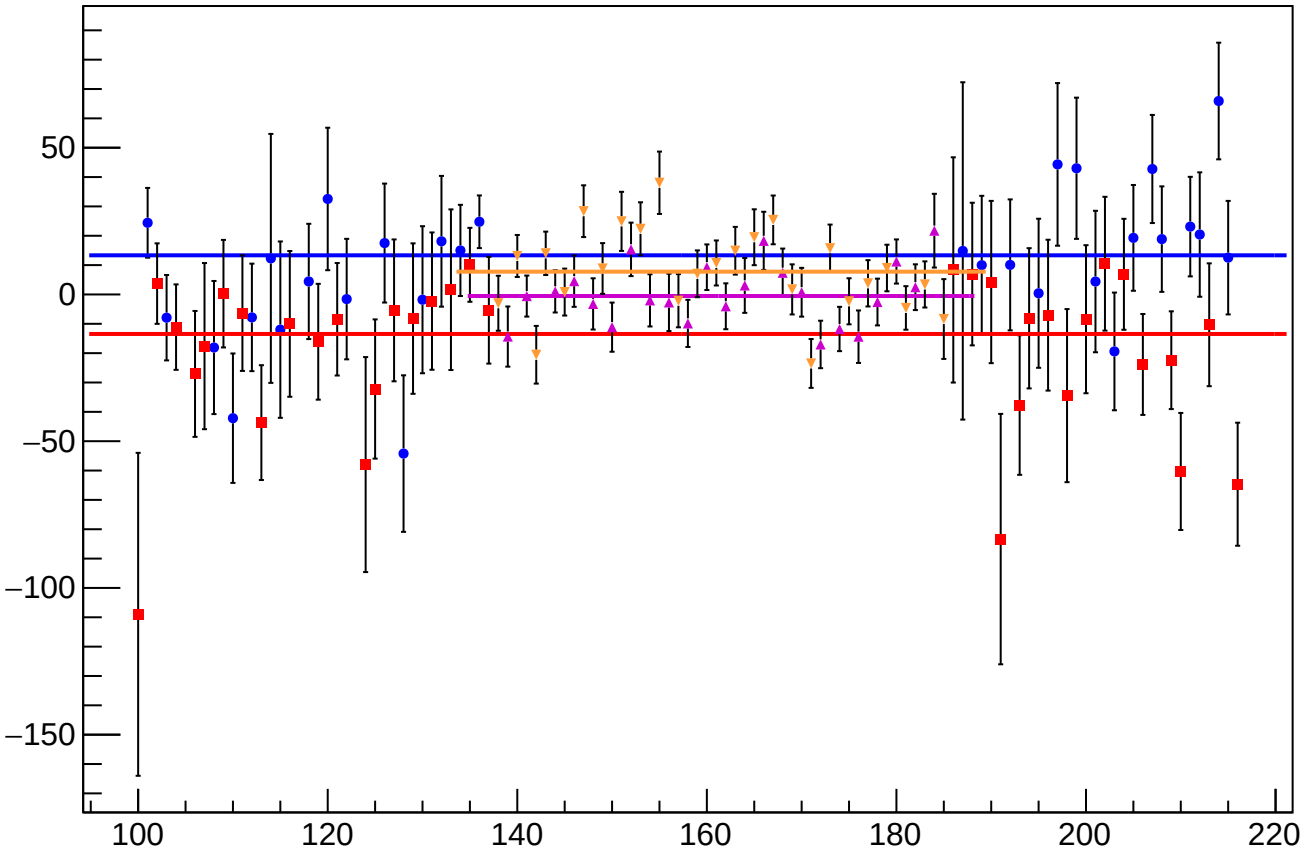
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 20672.007+/-2.460 χ^2/NDF: 6970483.1/65

In: 12445.763+/-1.549 χ^2/NDF:10217585.5/53

Out: 12350.255+/-1.515 χ^2/NDF:11469750.2/59

All: 12396.963+/-1.083 χ^2/NDF: 21689278.9



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: -13.461+/-3.583 χ^2/NDF: 34.9/34

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

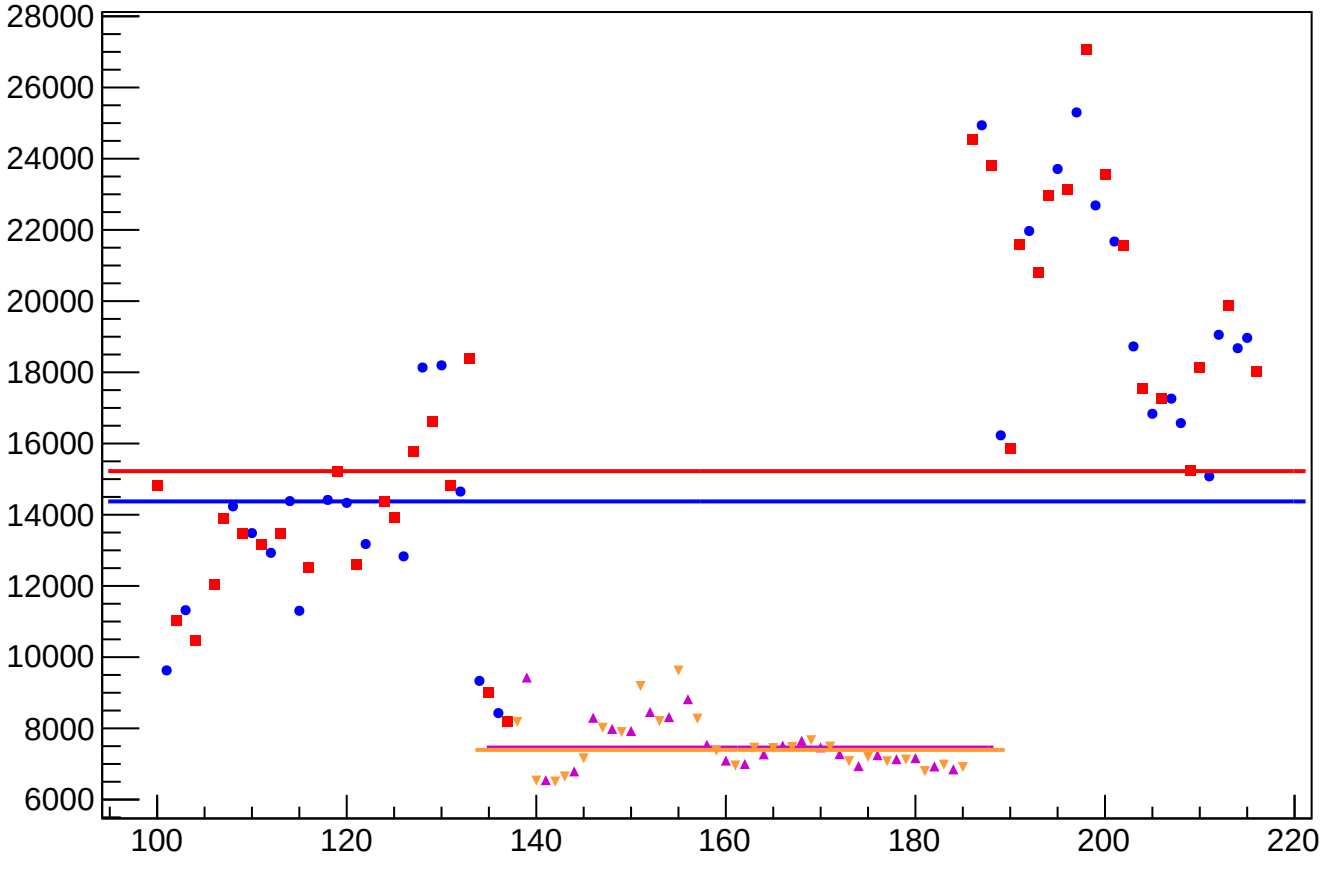
Right: 0.449+/-2.485 χ^2/NDF: 103.2/65

In: 2.313+/-1.562 χ^2/NDF:81.5/53

Out: 3.896+/-1.530 χ^2/NDF:124.6/59

All: 3.121+/-1.093 χ^2/NDF: 206.6/113

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: 15224.977+/-2.534 χ^2/NDF: 3250311.2/34

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

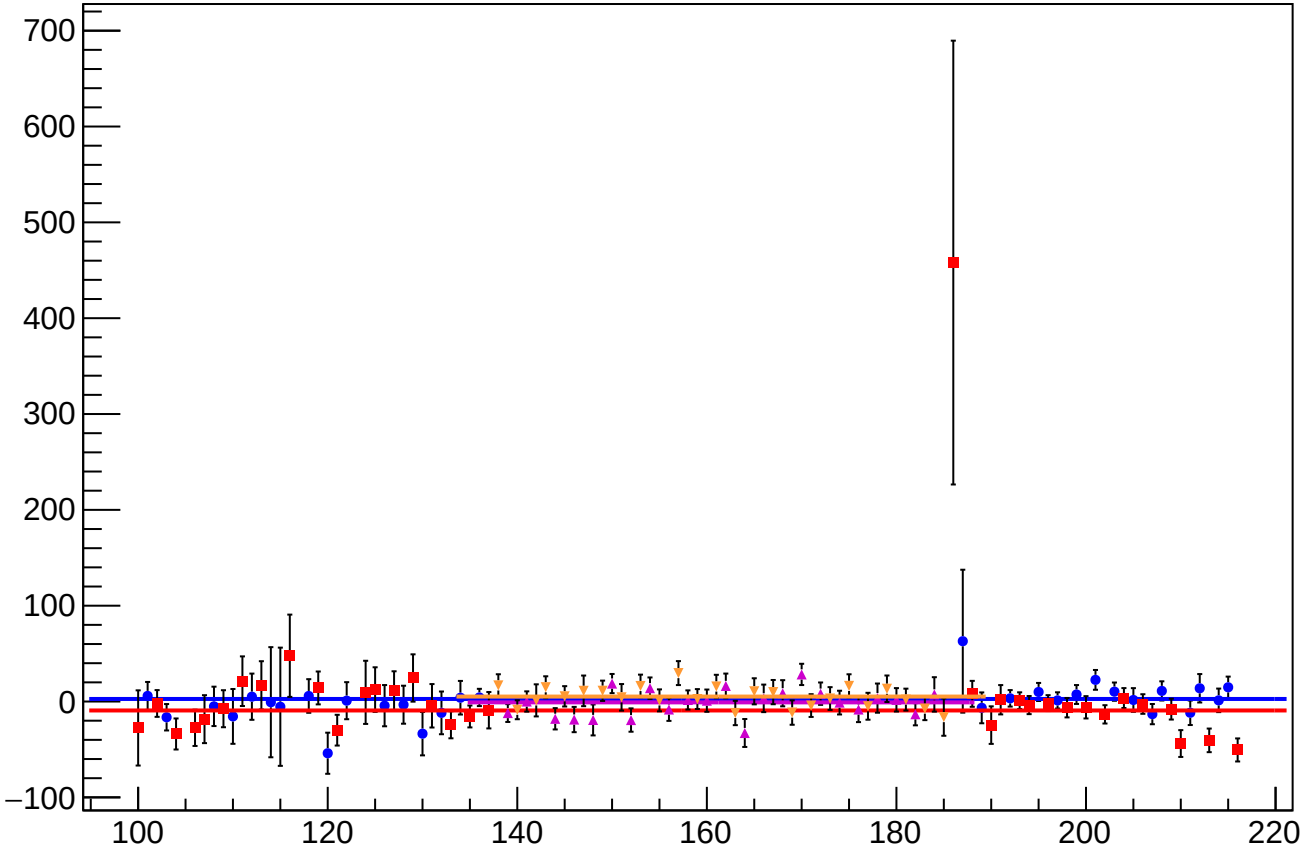
Right: 14783.266+/-1.757 χ^2/NDF: 6779653.3/65

In: 8878.424+/-1.105 χ^2/NDF:10140533.8/53

Out: 8822.332+/-1.082 χ^2/NDF:11382933.8/59

All: 8849.790+/-0.773 χ^2/NDF: 21524784.2/

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: -9.328+/-2.376 χ^2/NDF: 53.2/34

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

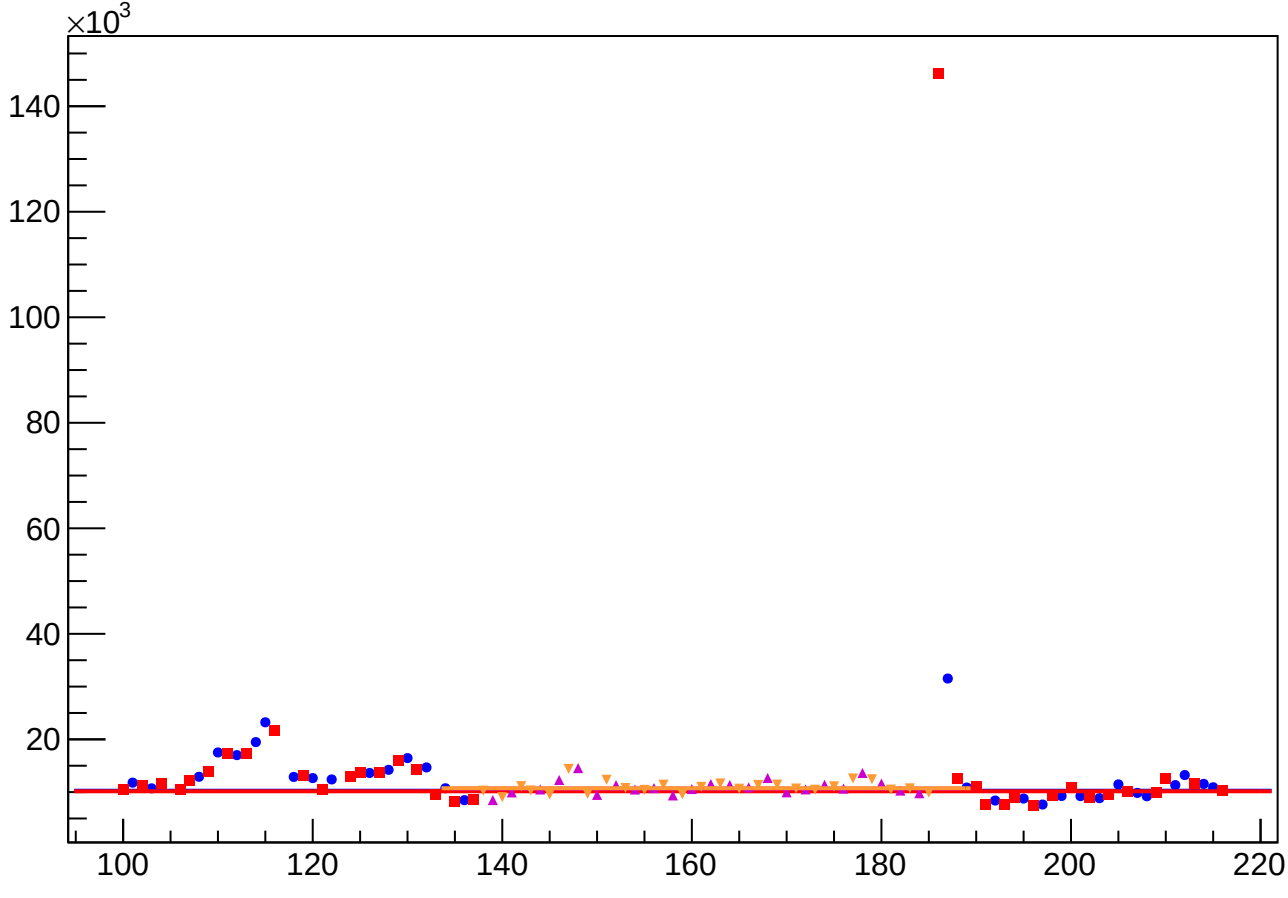
Right: -3.404+/-1.691 χ^2/NDF: 90.8/65

In: 0.973+/-1.740 χ^2/NDF:57.8/53

Out: -2.322+/-1.709 χ^2/NDF:89.6/59

All: -0.705+/-1.219 χ^2/NDF: 149.3/113

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: 10158.610+/-1.680 χ^2/NDF: 2391414.8/34

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

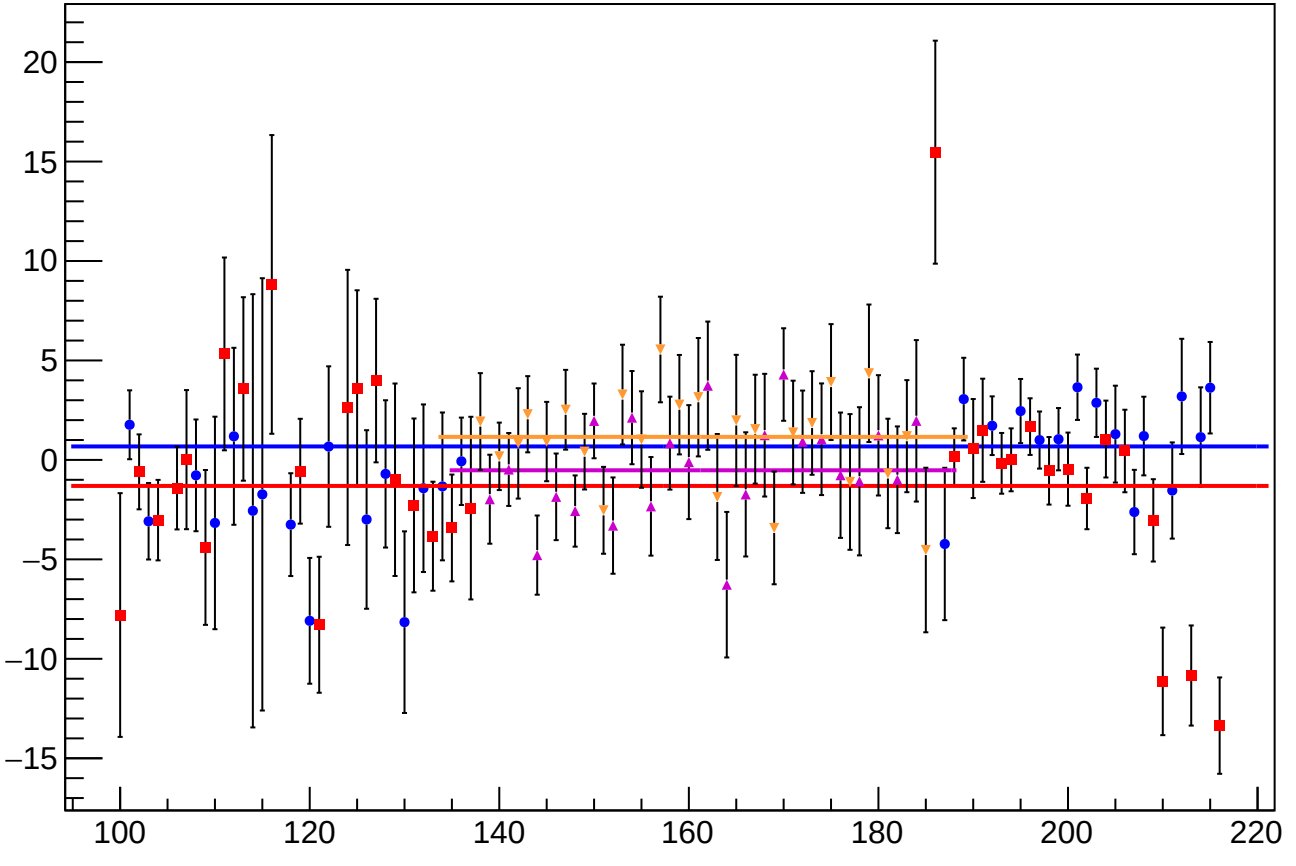
Right: 10209.244+/-1.196 χ^2/NDF: 4156886.4/65

In: 10459.837+/-1.231 χ^2/NDF:2292706.4/53

Out: 10436.363+/-1.208 χ^2/NDF:2816269.9/59

All: 10447.885+/-0.862 χ^2/NDF: 5109161.6/1

diff_bpm4aediffY_mean vs Slug, Sign Corrected



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: -1.308+/-0.401 χ^2/NDF: 89.5/34

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

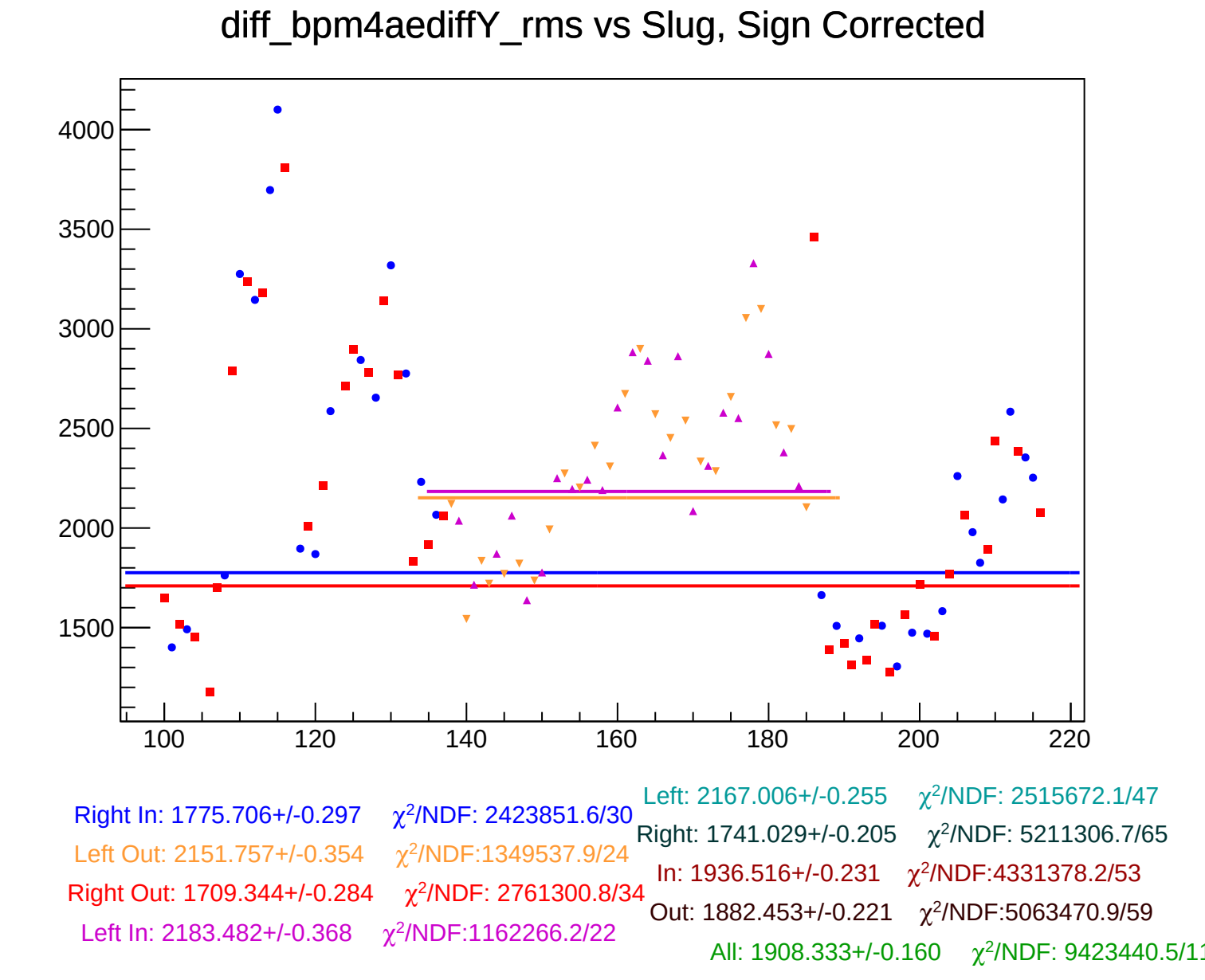
Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

Right: -0.360+/-0.290 χ^2/NDF: 137.1/65

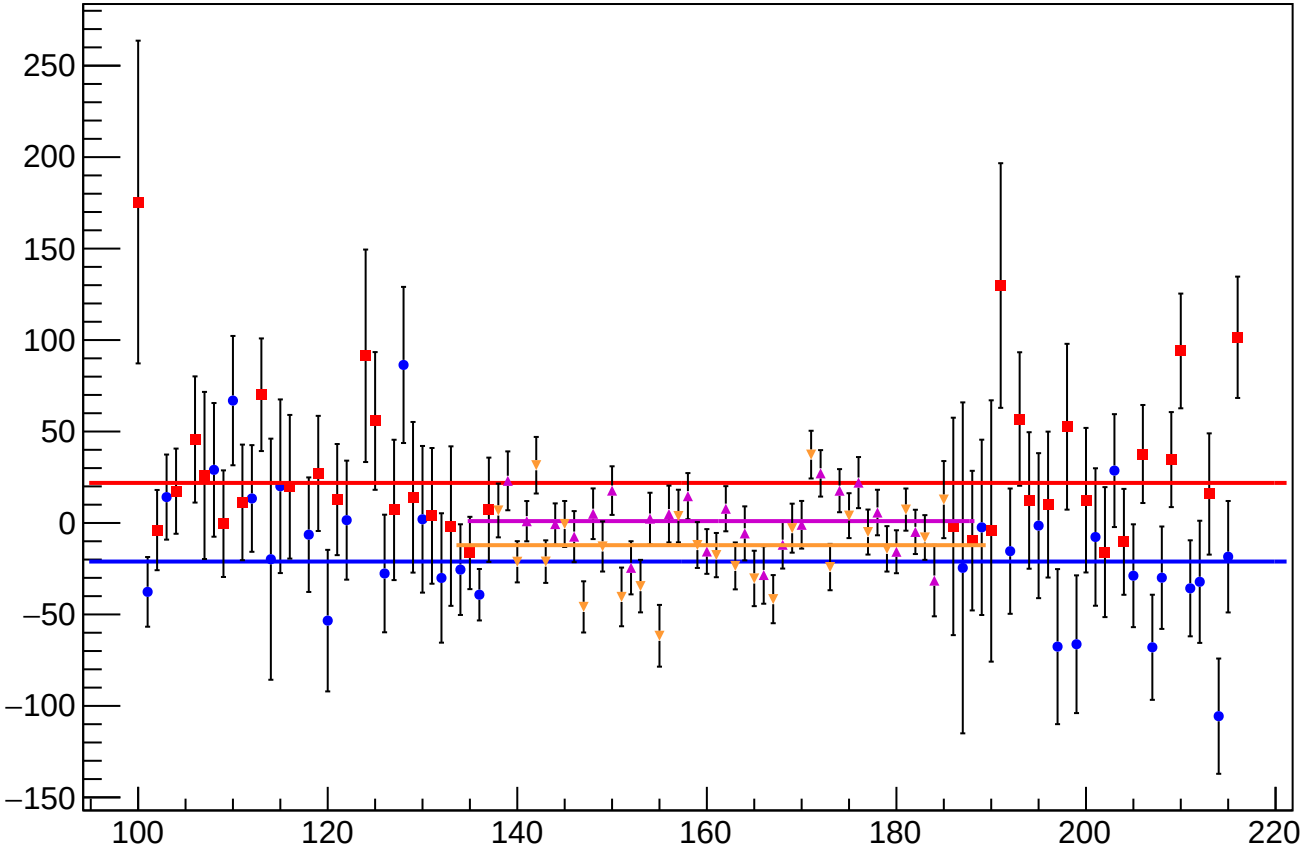
In: 0.204+/-0.326 χ^2/NDF:61.4/53

Out: -0.343+/-0.313 χ^2/NDF:121.2/59

All: -0.081+/-0.226 χ^2/NDF: 184.1/113


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
120
140
160
180
200
220
Right In: 1775.706+/-0.297 χ²/NDF: 2423851.6/30
Left Out: 2151.757+/-0.354 χ²/NDF:1349537.9/24
Right Out: 1709.344+/-0.284 χ²/NDF: 2761300.8/34
Left In: 2183.482+/-0.368 χ²/NDF:1162266.2/22
Left: 2167.006+/-0.255 χ²/NDF: 2515672.1/47
Right: 1741.029+/-0.205 χ²/NDF: 5211306.7/65
In: 1936.516+/-0.231 χ²/NDF:4331378.2/53
Out: 1882.453+/-0.221 χ²/NDF:5063470.9/59
All: 1908.333+/-0.160 χ²/NDF: 9423440.5/11

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: 21.903+/-5.682 χ^2/NDF: 34.4/34

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

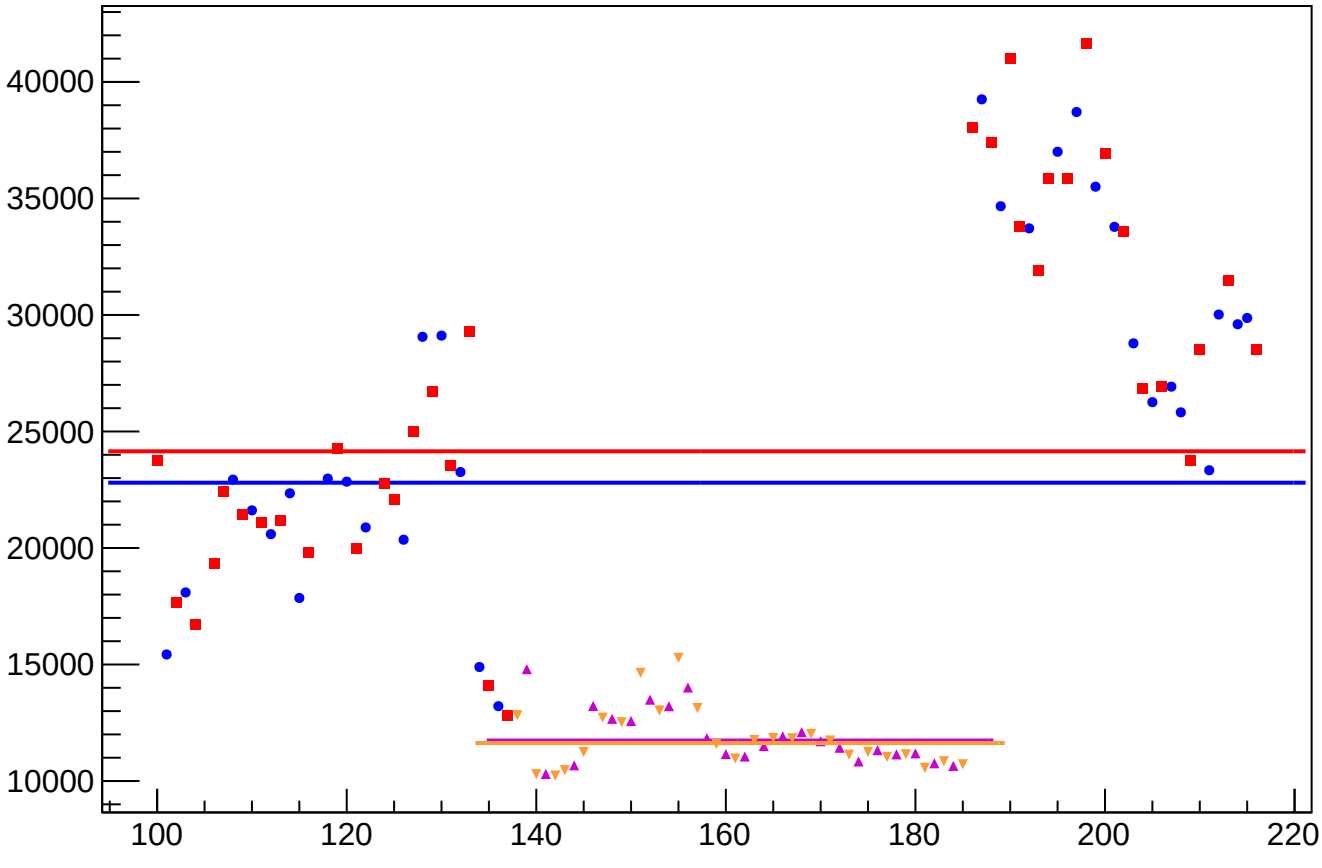
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

Right: -0.436+/-3.938 χ^2/NDF: 103.5/65

In: -3.465+/-2.462 χ^2/NDF:81.3/53

Out: -6.012+/-2.410 χ^2/NDF:126.5/59

All: -4.766+/-1.722 χ^2/NDF: 208.3/113



Right In: 22801.978+/-3.863 χ^2/NDF: 3455531.9/30

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 24149.362+/-4.018 χ^2/NDF: 3233720.5/34

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

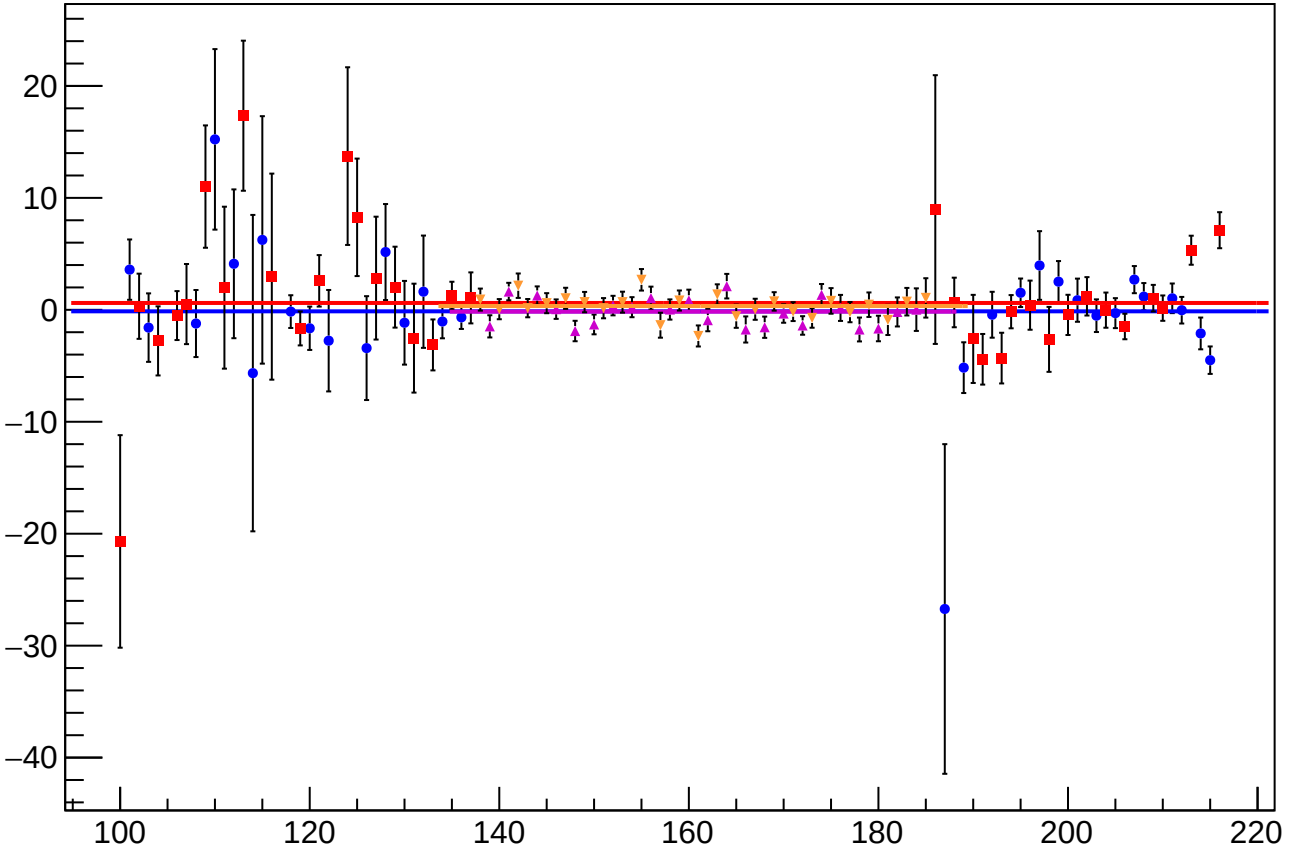
Right: 23449.160+/-2.785 χ^2/NDF: 6747691.7/65

In: 13984.981+/-1.741 χ^2/NDF:10306466.7/53

Out: 13882.037+/-1.704 χ^2/NDF:11551762.6/59

All: 13932.415+/-1.218 χ^2/NDF: 21860015.2

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



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: 0.613+/-0.349 χ^2/NDF: 74.3/34

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

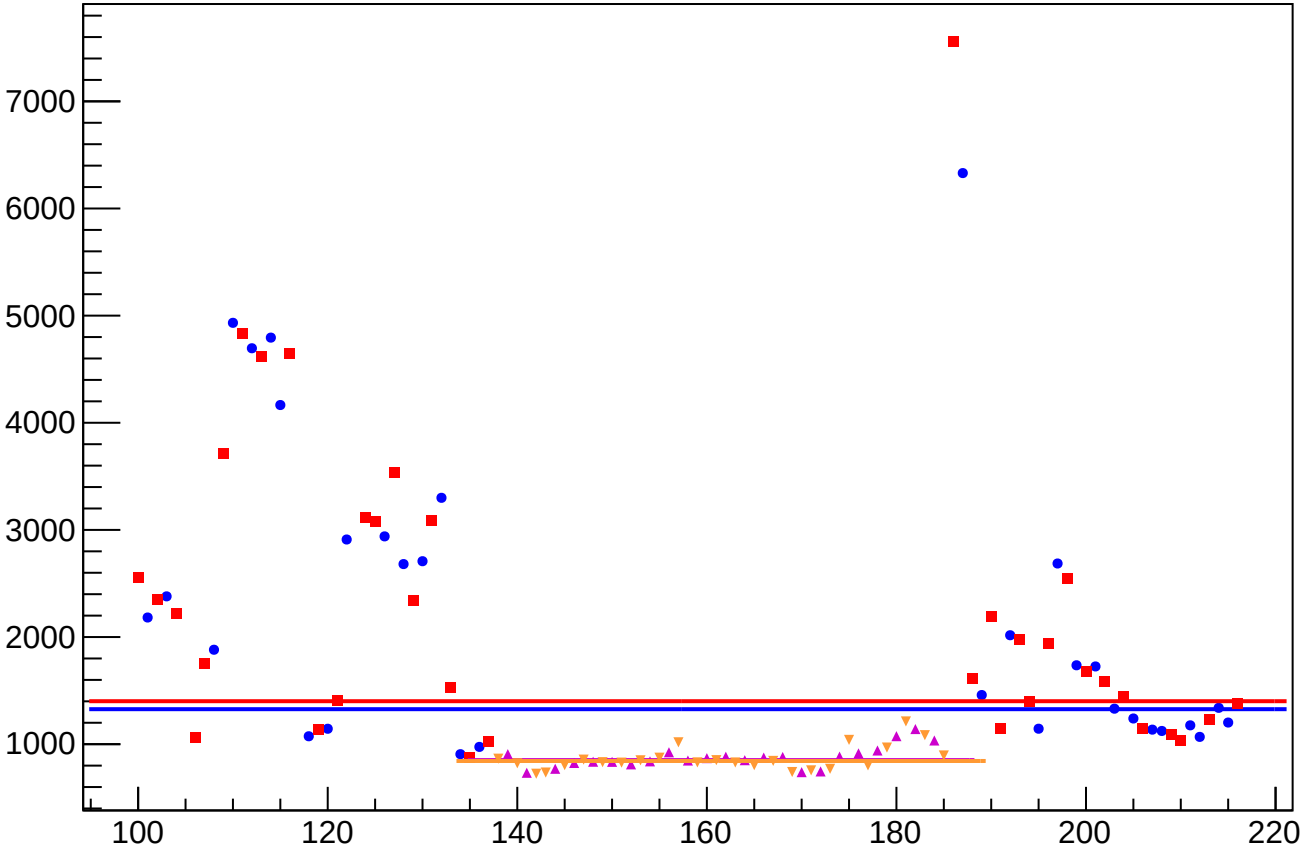
Right: 0.216+/-0.239 χ^2/NDF: 123.5/65

In: -0.157+/-0.171 χ^2/NDF:83.1/53

Out: 0.407+/-0.169 χ^2/NDF:101.5/59

All: 0.128+/-0.120 χ^2/NDF: 190.1/113

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1326.741+/-0.232 χ^2/NDF: 4744731.9/30

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1401.201+/-0.246 χ^2/NDF: 5208860.4/34

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

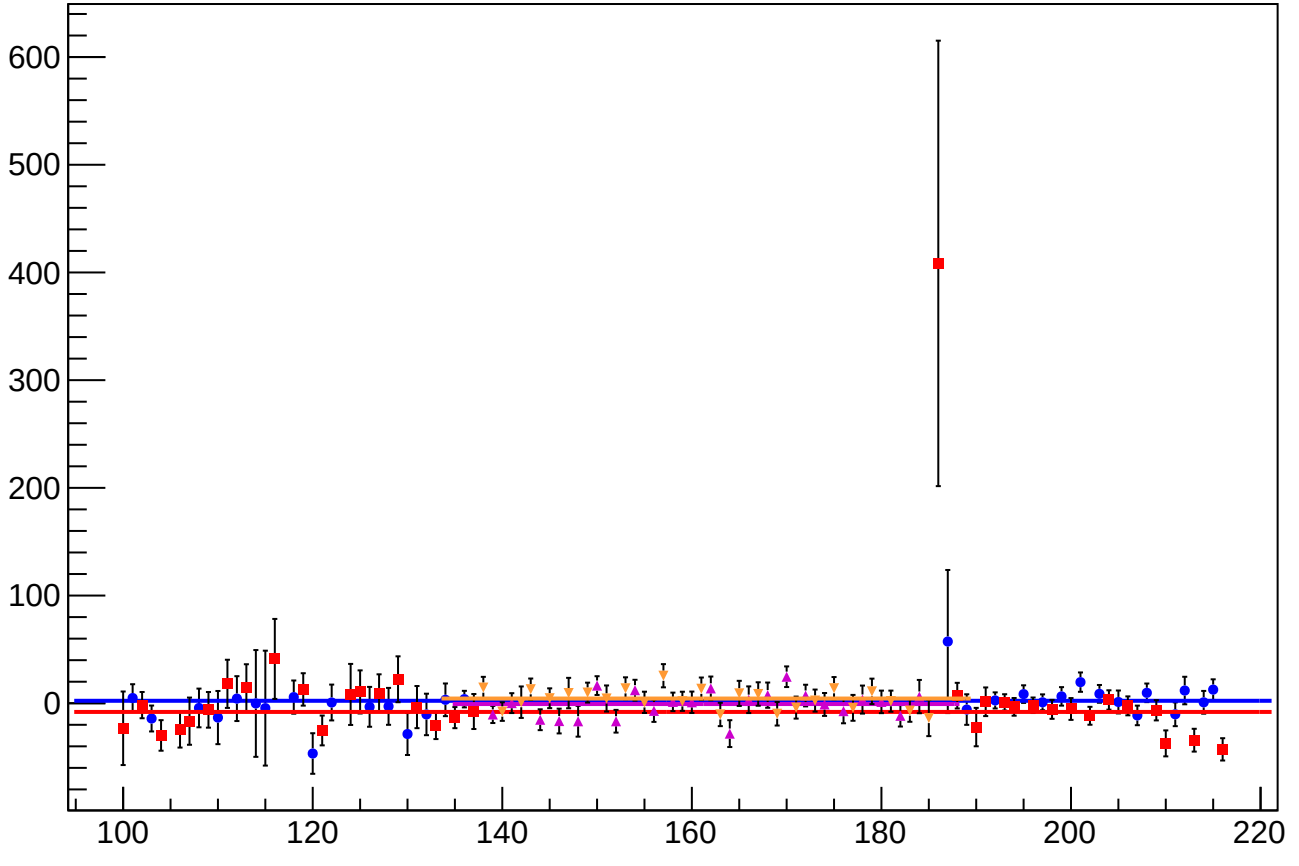
Right: 1361.643+/-0.169 χ^2/NDF: 10002068.9/65

In: 981.527+/-0.121 χ^2/NDF:8186787.7/53

Out: 974.952+/-0.120 χ^2/NDF:9628058.4/59

All: 978.203+/-0.085 χ^2/NDF: 17816336.8/1

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: -8.055+/-2.061 χ^2/NDF: 52.1/34

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

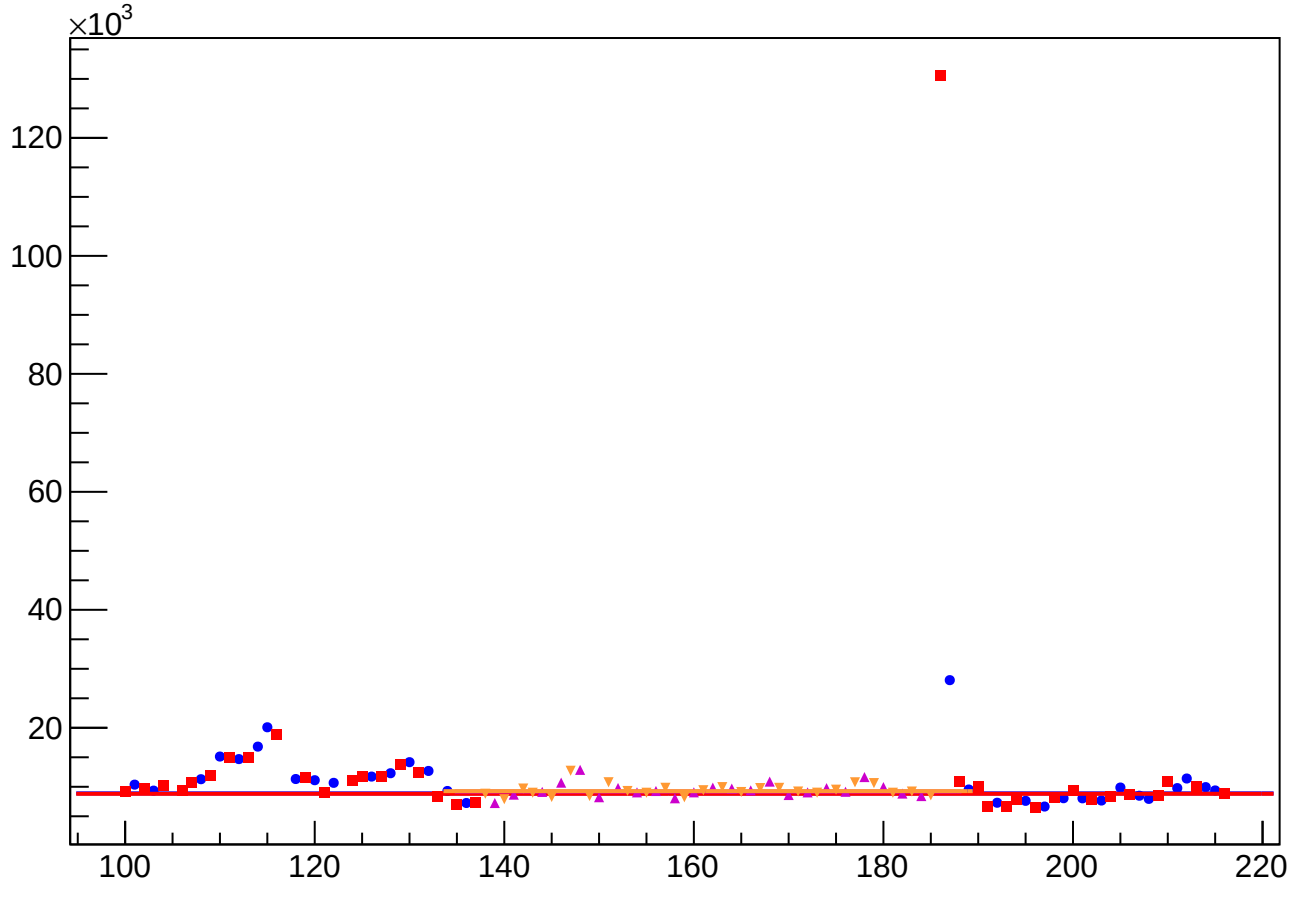
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -2.943+/-1.466 χ^2/NDF: 89.2/65

In: 0.838+/-1.504 χ^2/NDF:57.7/53

Out: -2.016+/-1.478 χ^2/NDF:88.4/59

All: -0.613+/-1.054 χ^2/NDF: 147.9/113



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: 8809.150+/-1.458 χ^2/NDF: 2390242.6/34

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

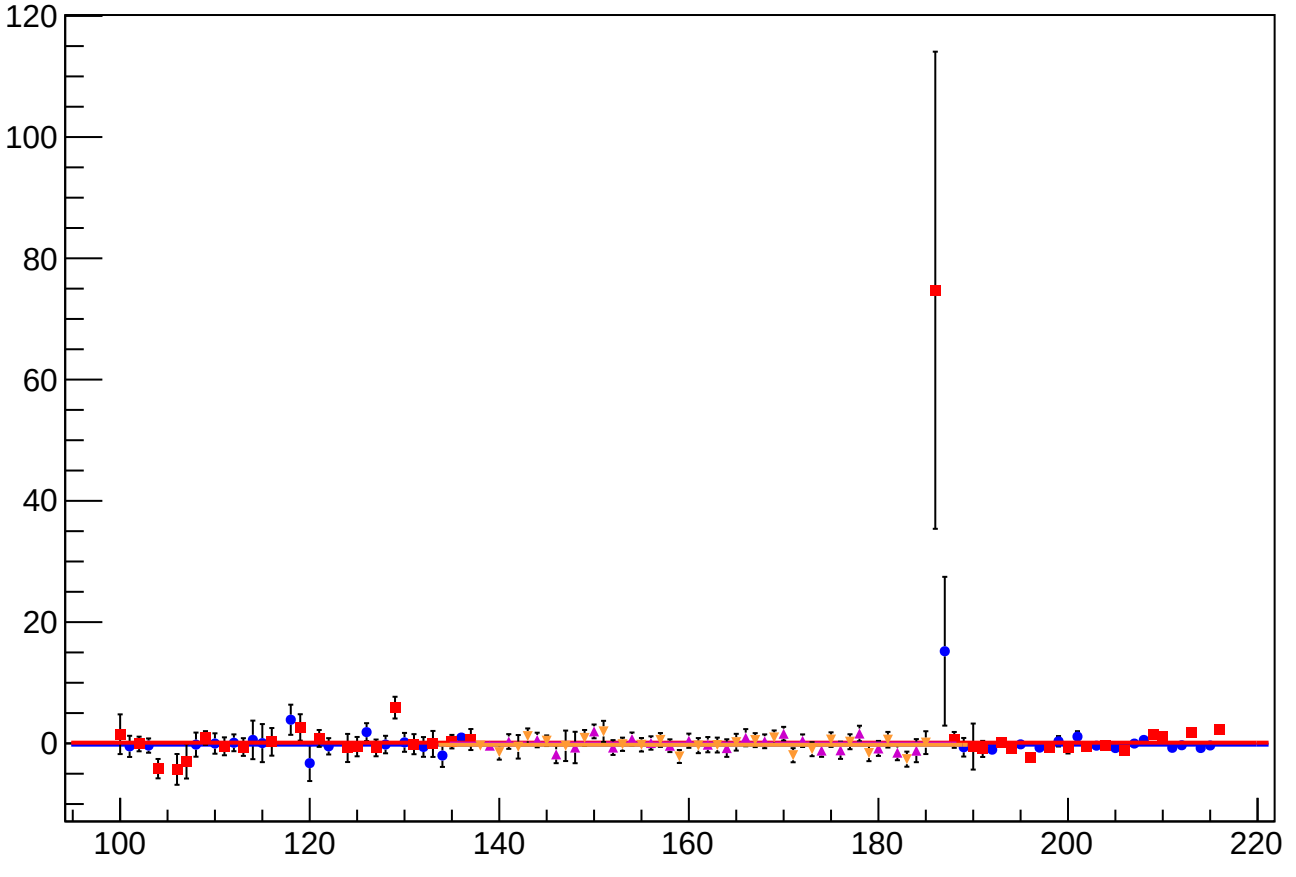
Right: 8846.693+/-1.037 χ^2/NDF: 4157470.0/65

In: 9036.014+/-1.063 χ^2/NDF:2303208.5/53

Out: 9028.814+/-1.045 χ^2/NDF:2803093.9/59

All: 9032.353+/-0.745 χ^2/NDF: 5106325.7/11

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



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: 0.120+/-0.178 χ^2/NDF: 72.3/34

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

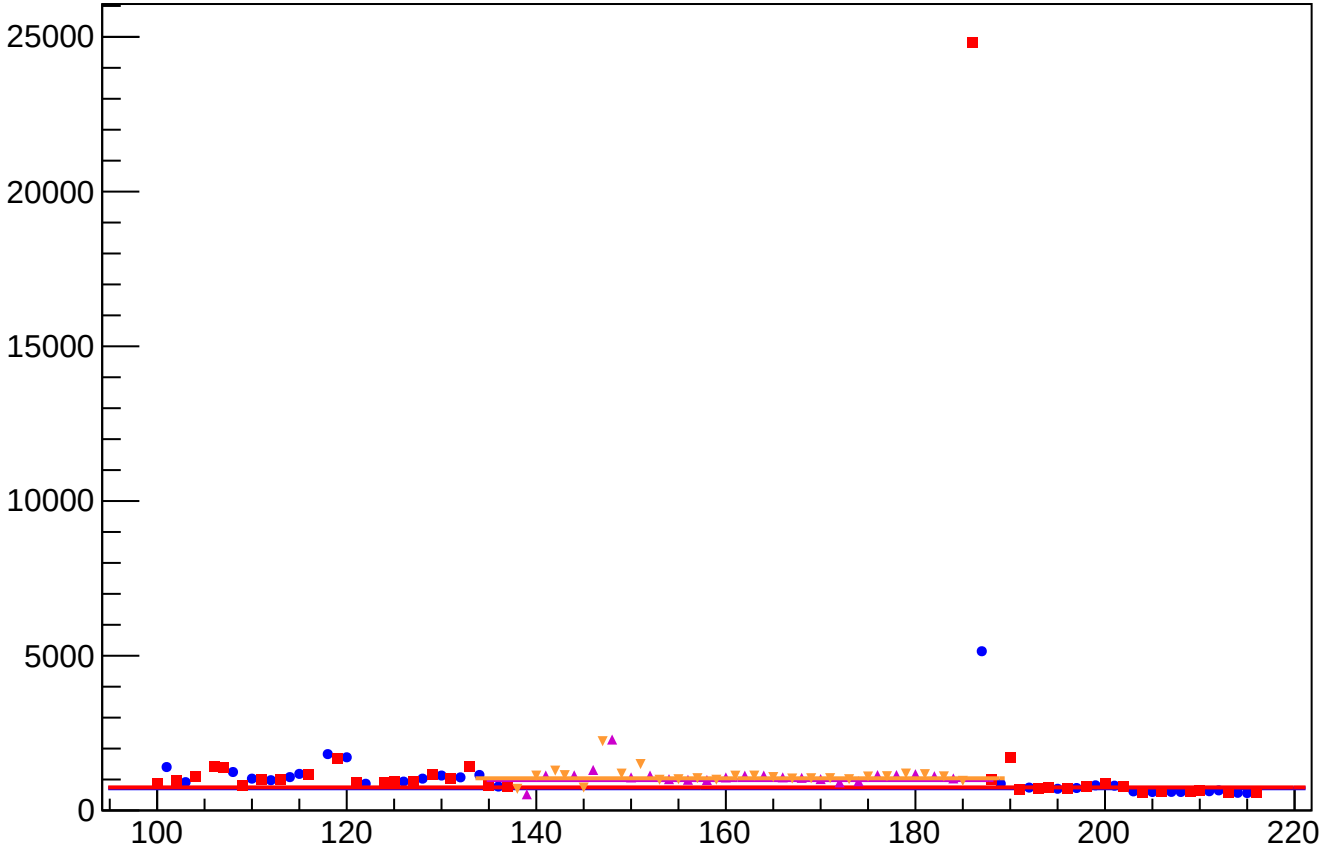
Right: -0.049+/-0.123 χ^2/NDF: 92.9/65

In: -0.145+/-0.139 χ^2/NDF:34.4/53

Out: -0.002+/-0.144 χ^2/NDF:92.6/59

All: -0.075+/-0.100 χ^2/NDF: 127.5/113

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: 744.981+/-0.126 χ^2/NDF: 3038562.4/34

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

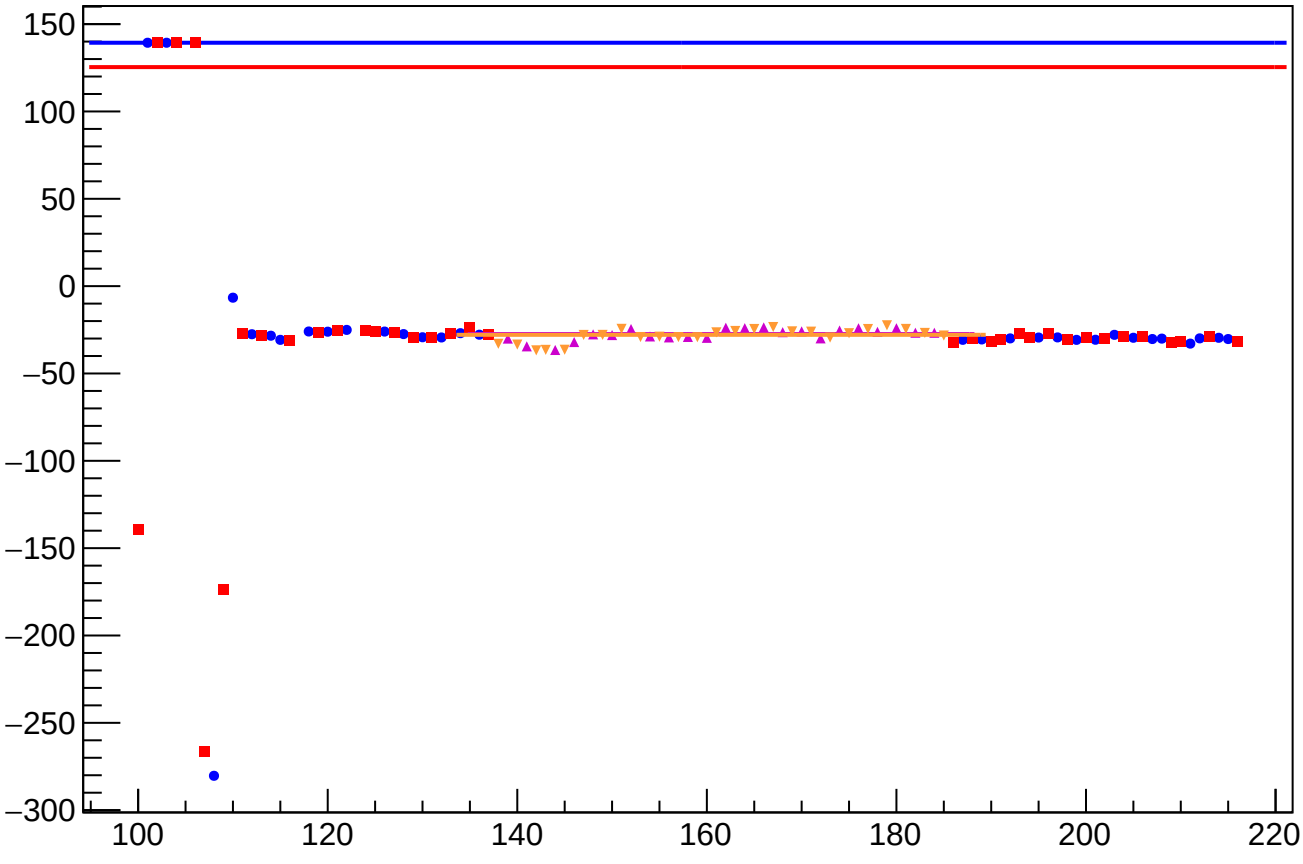
Right: 730.634+/-0.087 χ^2/NDF: 5801481.0/65

In: 806.855+/-0.098 χ^2/NDF:6579616.7/53

Out: 847.325+/-0.101 χ^2/NDF:6287616.4/59

All: 826.466+/-0.071 χ^2/NDF: 12949216.4/11

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.336+/-0.000 χ^2/NDF: 67957227638.9/30

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774190669088001.2/34

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

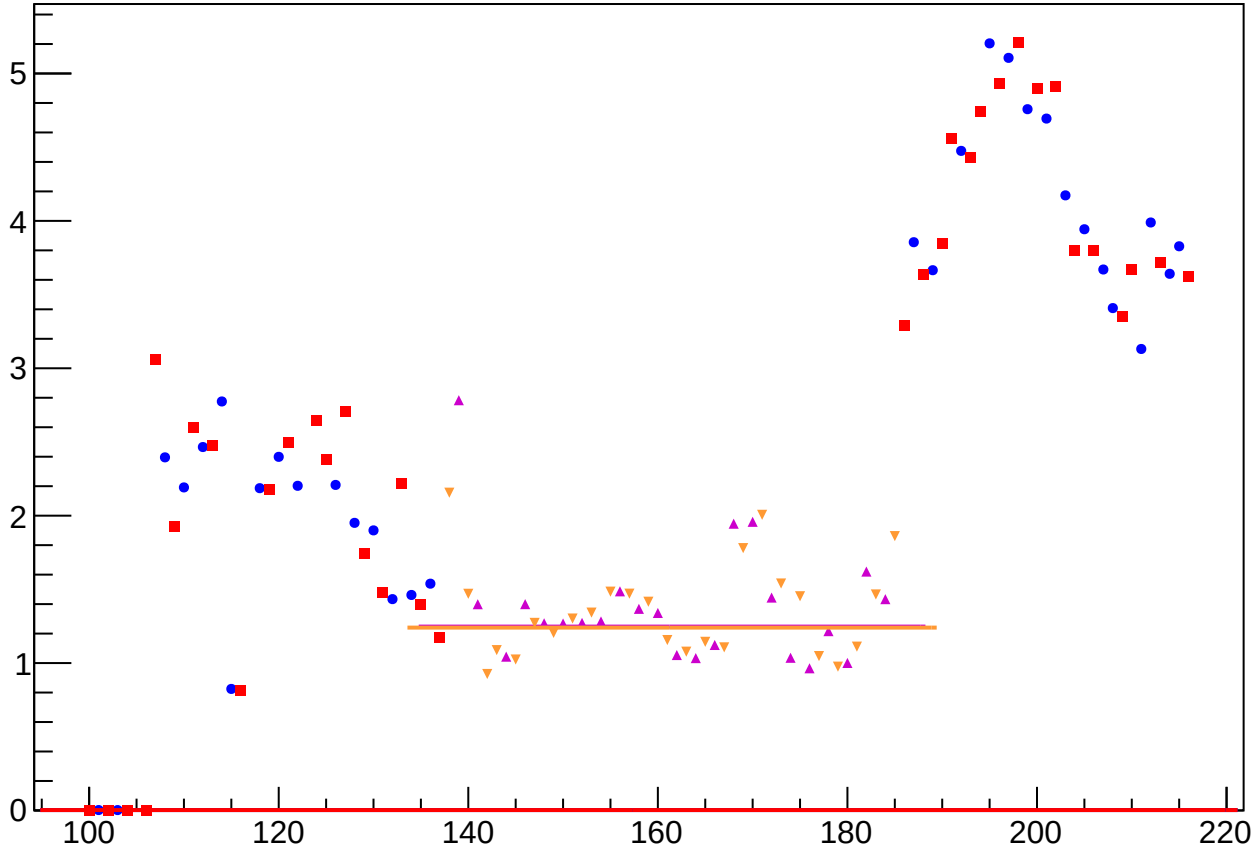
Right: 131.818+/-0.000 χ^2/NDF: 793043088853146

In: 139.328+/-0.000 χ^2/NDF:322355012068.6/53

Out: 125.384+/-0.000 χ^2/NDF:774421356647265.

All: 131.810+/-0.000 χ^2/NDF: 79352549984

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: 33482422.7/34

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

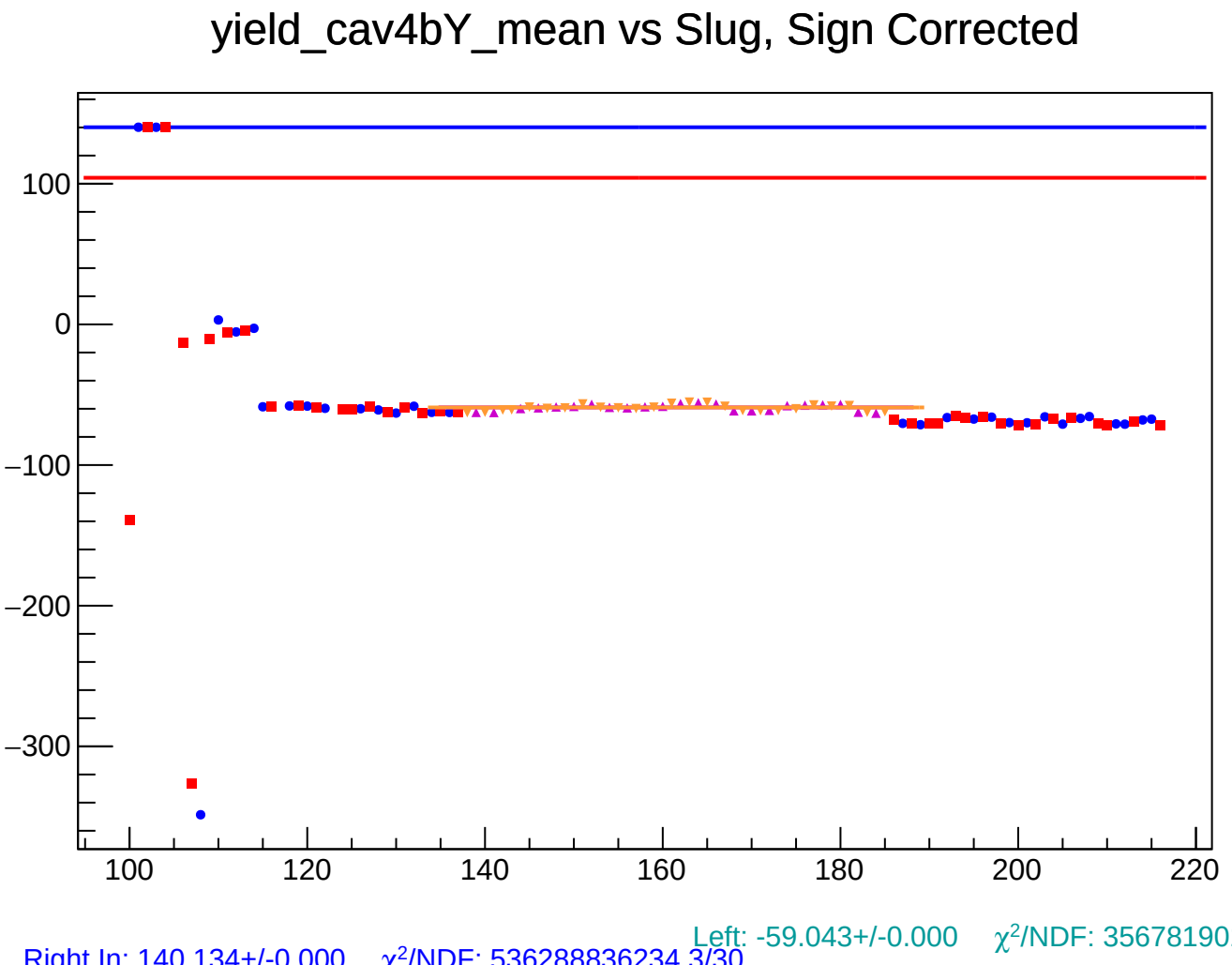
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 66342936.0/65

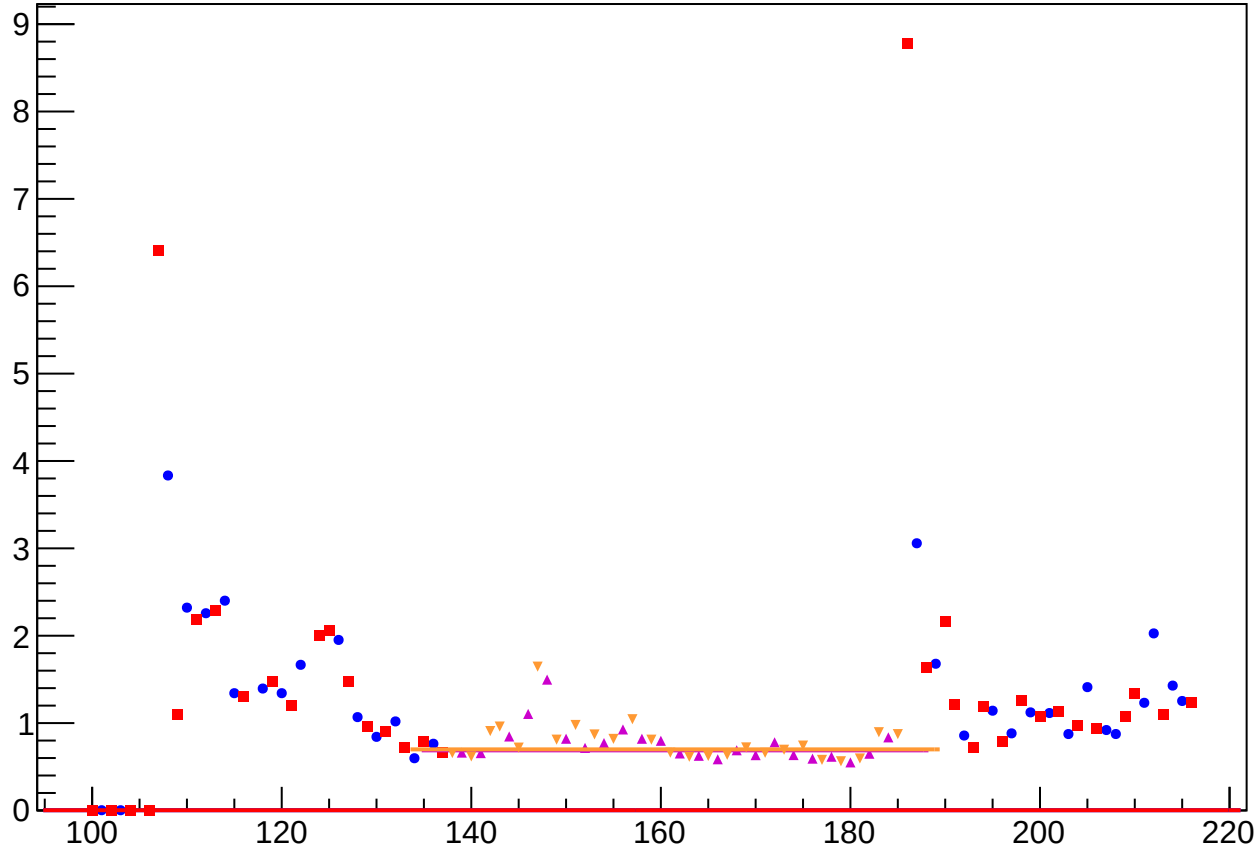
In: 0.003+/-0.000 χ^2/NDF:62625336.1/53

Out: 0.003+/-0.000 χ^2/NDF:64782141.5/59

All: 0.003+/-0.000 χ^2/NDF: 127407765.2/113


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: 1257664743538395.5/34
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: 138149857831505
In: 140.098+/-0.000 χ²/NDF:1811772334378.8/53
Out: 104.191+/-0.000 χ²/NDF:125853632071043
All: 120.793+/-0.000 χ²/NDF: 13835965743

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: 30983958.7/34

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

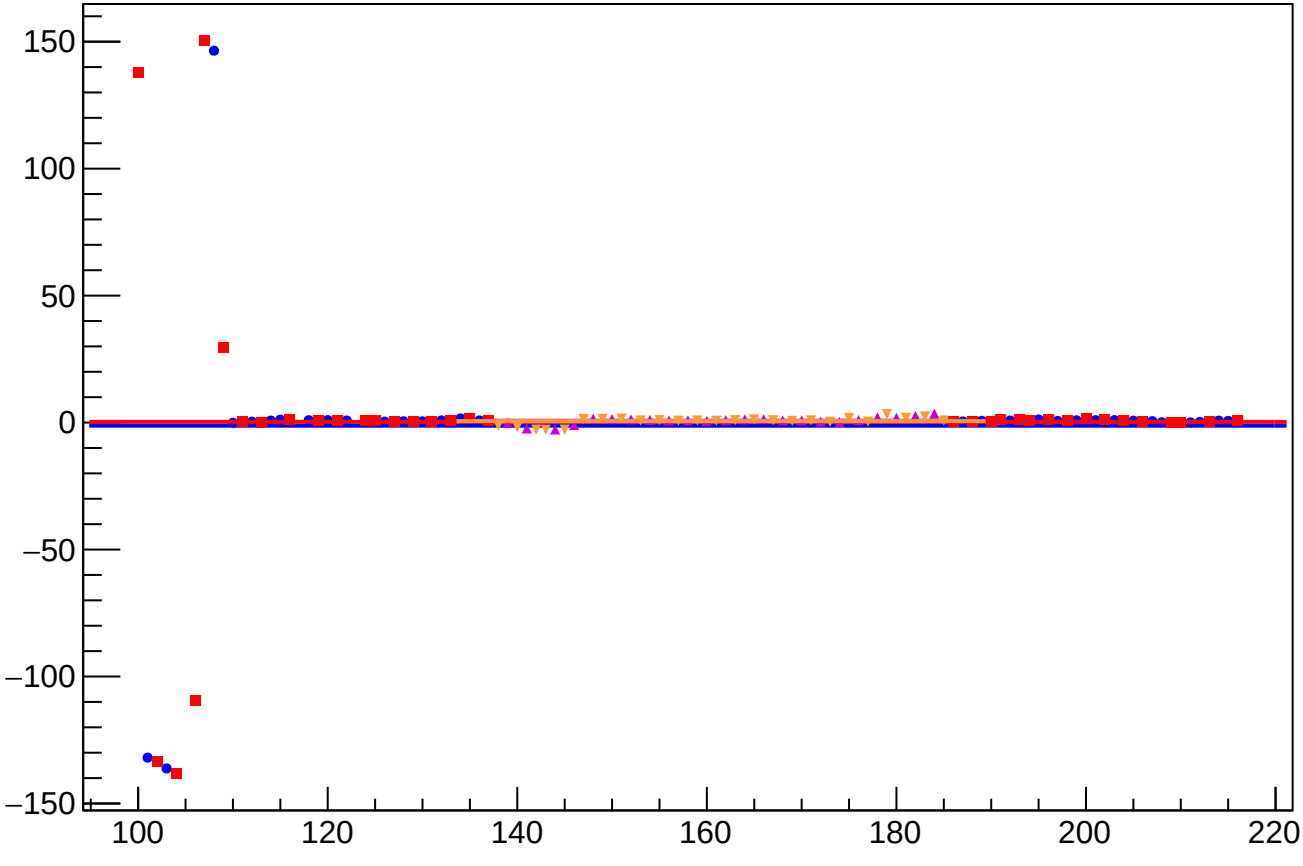
Right: 0.003+/-0.000 χ^2/NDF: 60993141.5/65

In: 0.003+/-0.000 χ^2/NDF:61311564.6/53

Out: 0.003+/-0.000 χ^2/NDF:64038097.6/59

All: 0.003+/-0.000 χ^2/NDF: 125350152.3/113

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: 0.293+/-0.000 χ^2/NDF: 3613034275.3/34

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

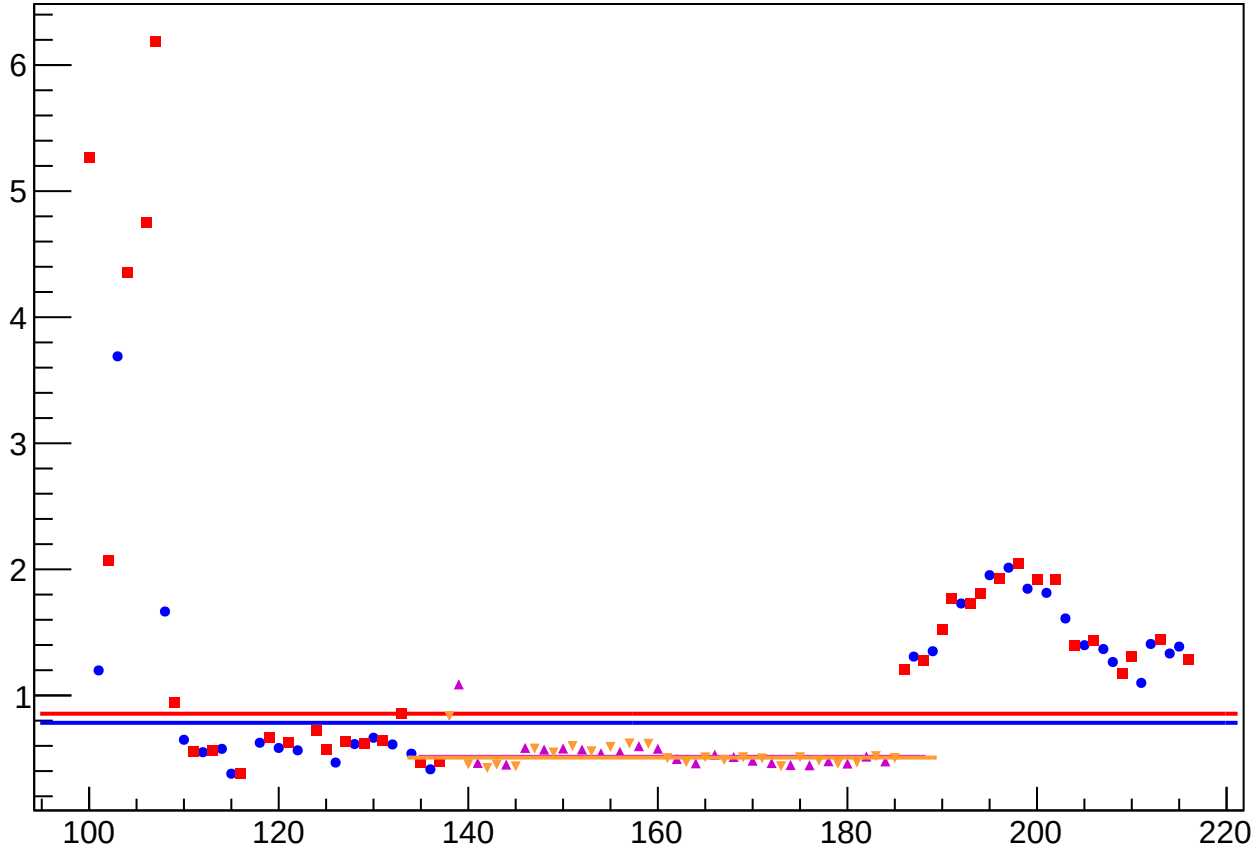
Right: -0.516+/-0.000 χ^2/NDF: 13546854016.0/65

In: 0.192+/-0.000 χ^2/NDF:10075225469.8/53

Out: 0.509+/-0.000 χ^2/NDF:3768530251.9/59

All: 0.352+/-0.000 χ^2/NDF: 13847702424.4/1

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: 0.855+/-0.000 χ^2/NDF: 8964290.9/34

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

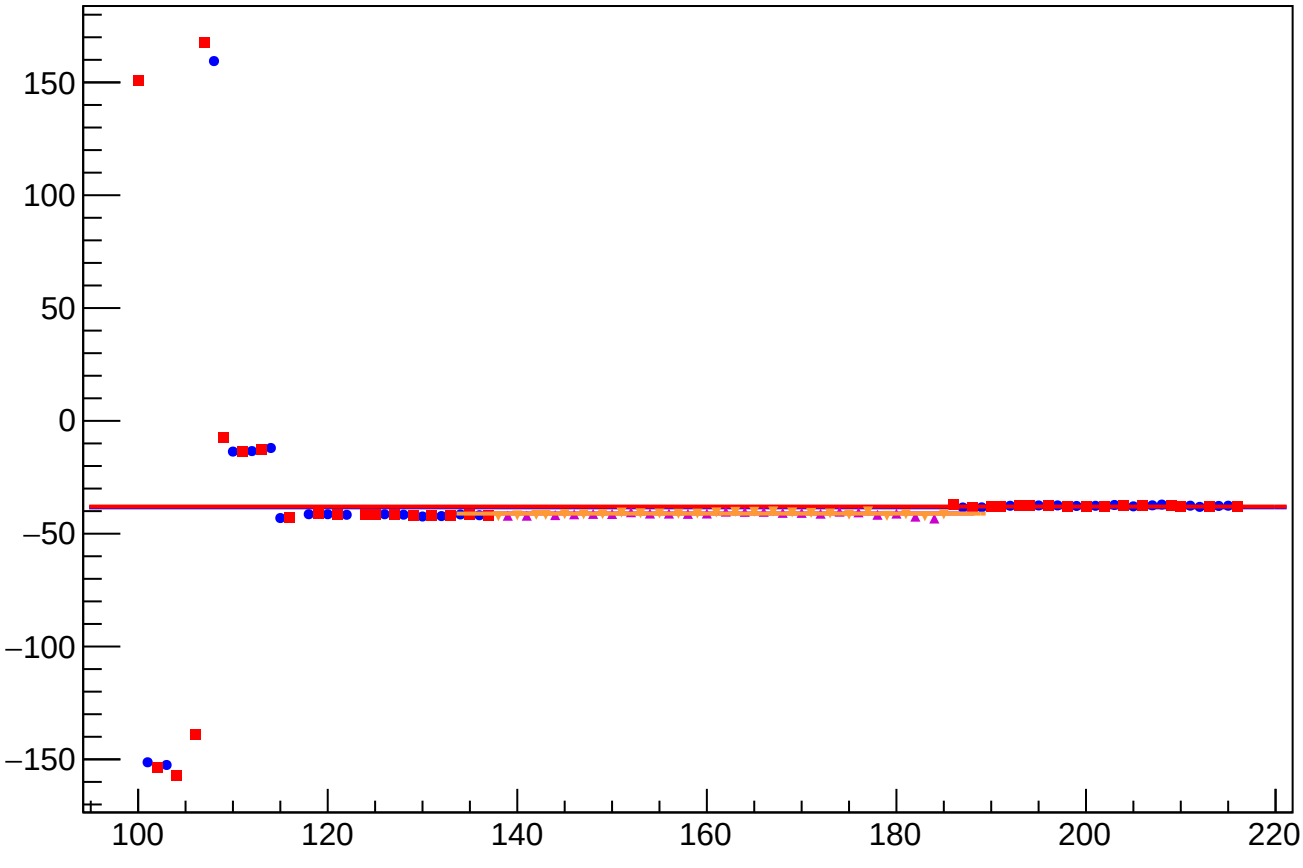
Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

Right: 0.816+/-0.000 χ^2/NDF: 17795920.0/65

In: 0.588+/-0.000 χ^2/NDF:11746037.4/53

Out: 0.589+/-0.000 χ^2/NDF:12976928.1/59

All: 0.588+/-0.000 χ^2/NDF: 24723046.5/113



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: 2514486594.6/34

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

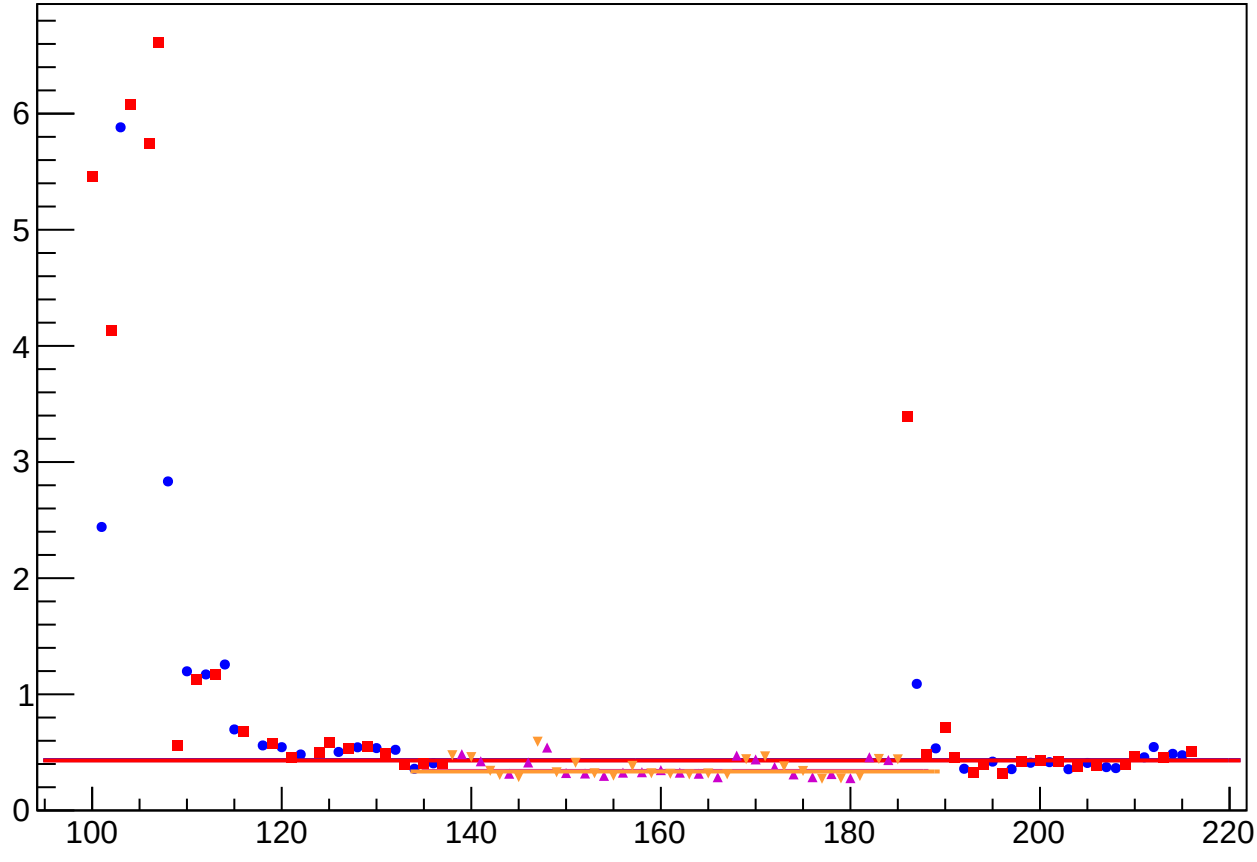
Right: -38.144+/-0.000 χ^2/NDF: 6142422674.6/65

In: -40.030+/-0.000 χ^2/NDF:4068362010.5/53

Out: -39.998+/-0.000 χ^2/NDF:3111778250.6/59

All: -40.013+/-0.000 χ^2/NDF: 7180265513.5/

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: 0.431+/-0.000 χ^2/NDF: 4737737.7/34

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

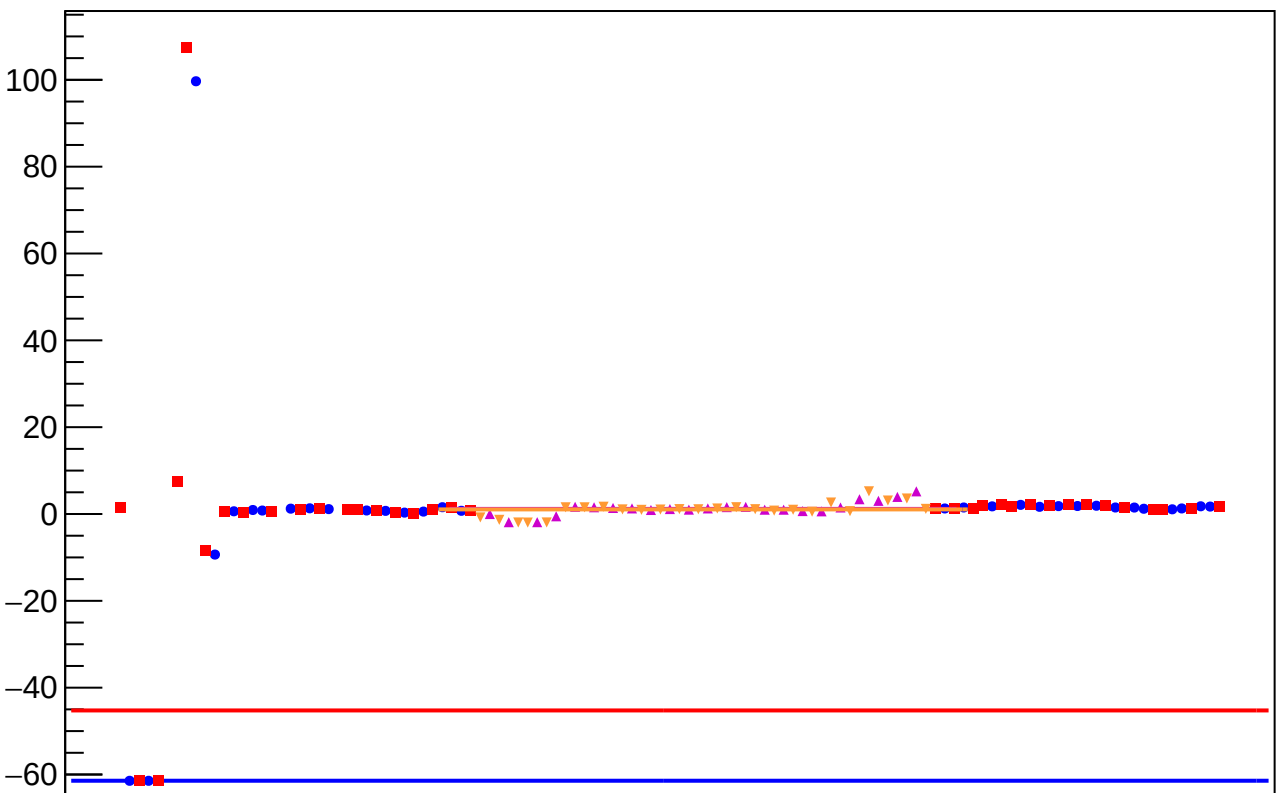
Right: 0.432+/-0.000 χ^2/NDF: 8592386.8/65

In: 0.375+/-0.000 χ^2/NDF:5846230.5/53

Out: 0.369+/-0.000 χ^2/NDF:6973167.8/59

All: 0.372+/-0.000 χ^2/NDF: 12826558.1/113

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: 357885879405654.4/34

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

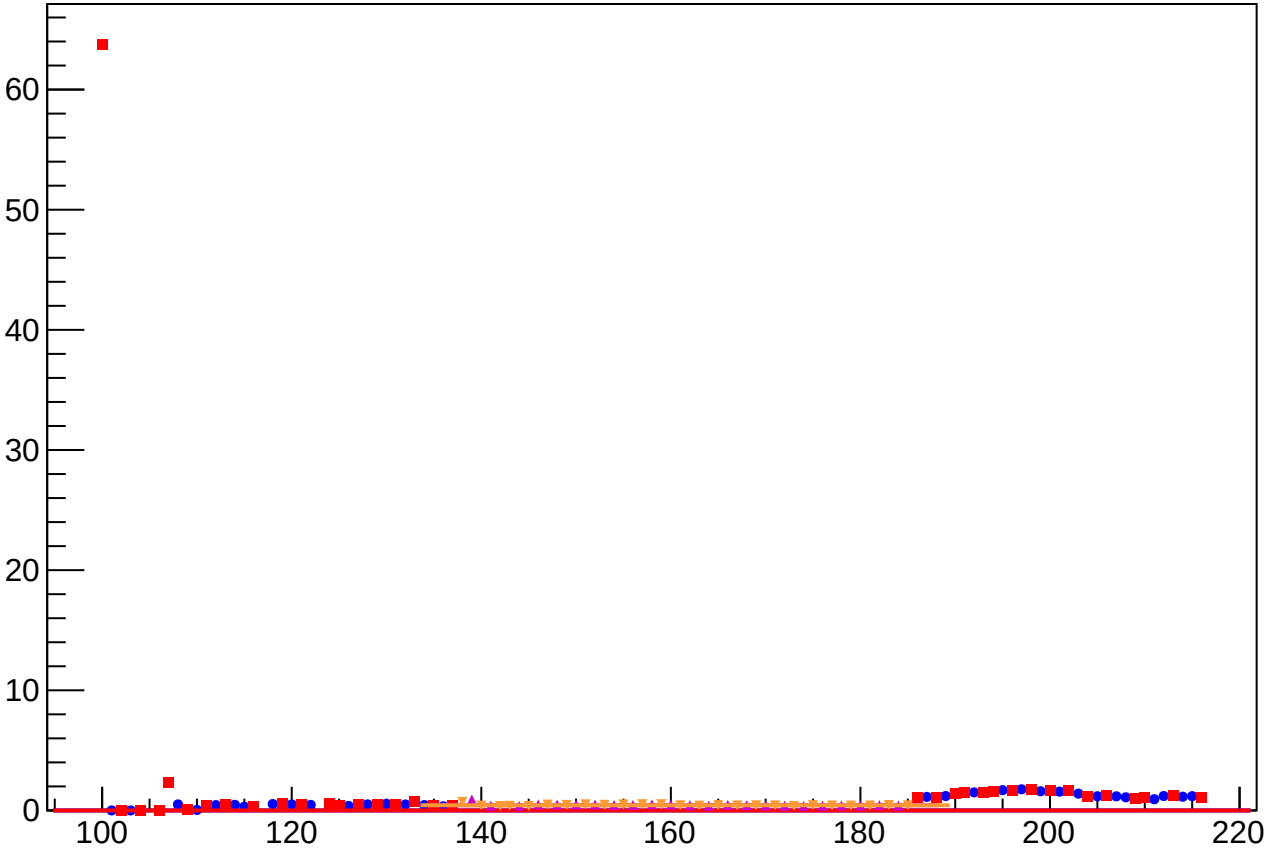
Right: -52.748+/-0.000 χ^2/NDF: 409164096169954

In: -61.421+/-0.000 χ^2/NDF:604932310954.6/53

Out: -45.235+/-0.000 χ^2/NDF:358067157553483.7

All: -52.737+/-0.000 χ^2/NDF: 409633495777

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: 33119377.0/34

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

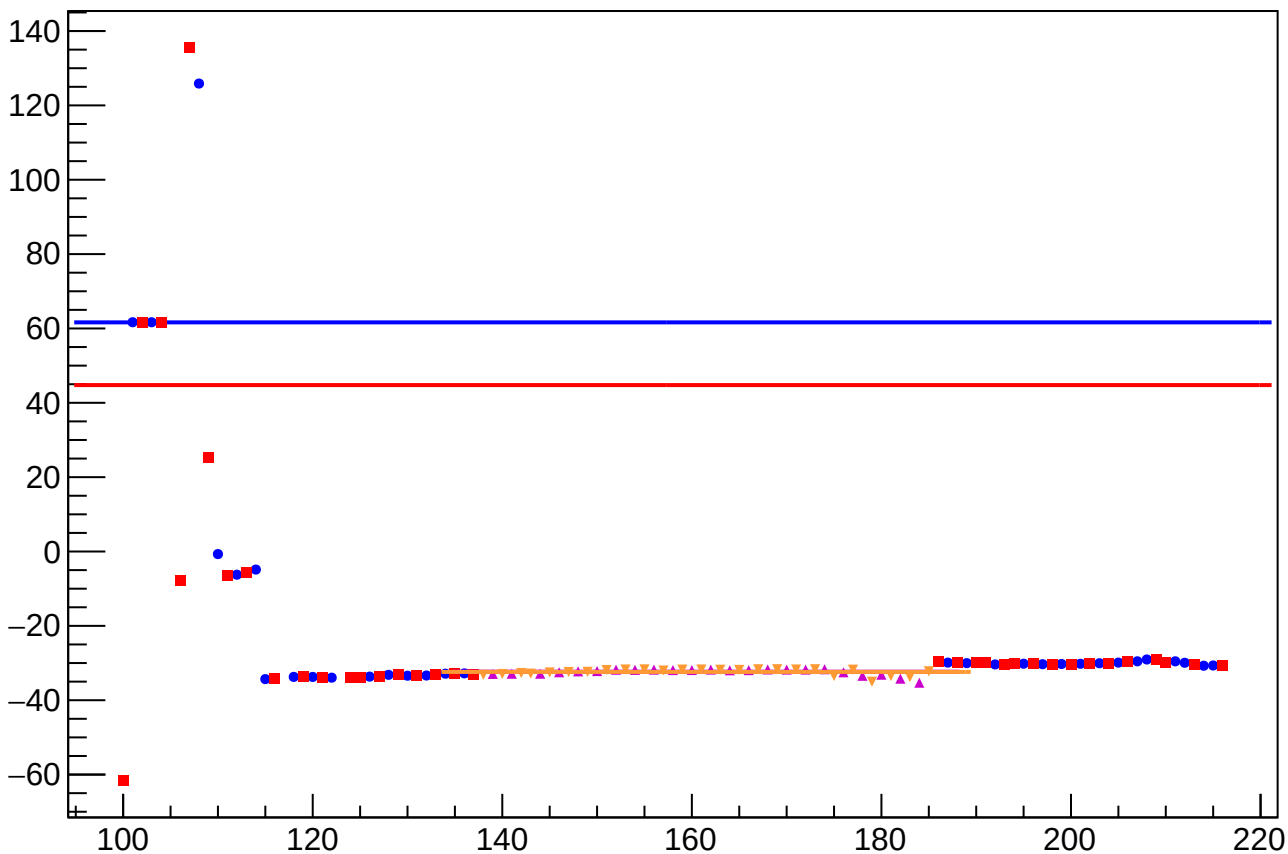
Right: 0.001+/-0.000 χ^2/NDF: 65561426.2/65

In: 0.002+/-0.000 χ^2/NDF:62580843.5/53

Out: 0.002+/-0.000 χ^2/NDF:64883349.5/59

All: 0.002+/-0.000 χ^2/NDF: 127464251.0/113

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: 44.767+/-0.000 χ^2/NDF: 3666207731488 09.8/34

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

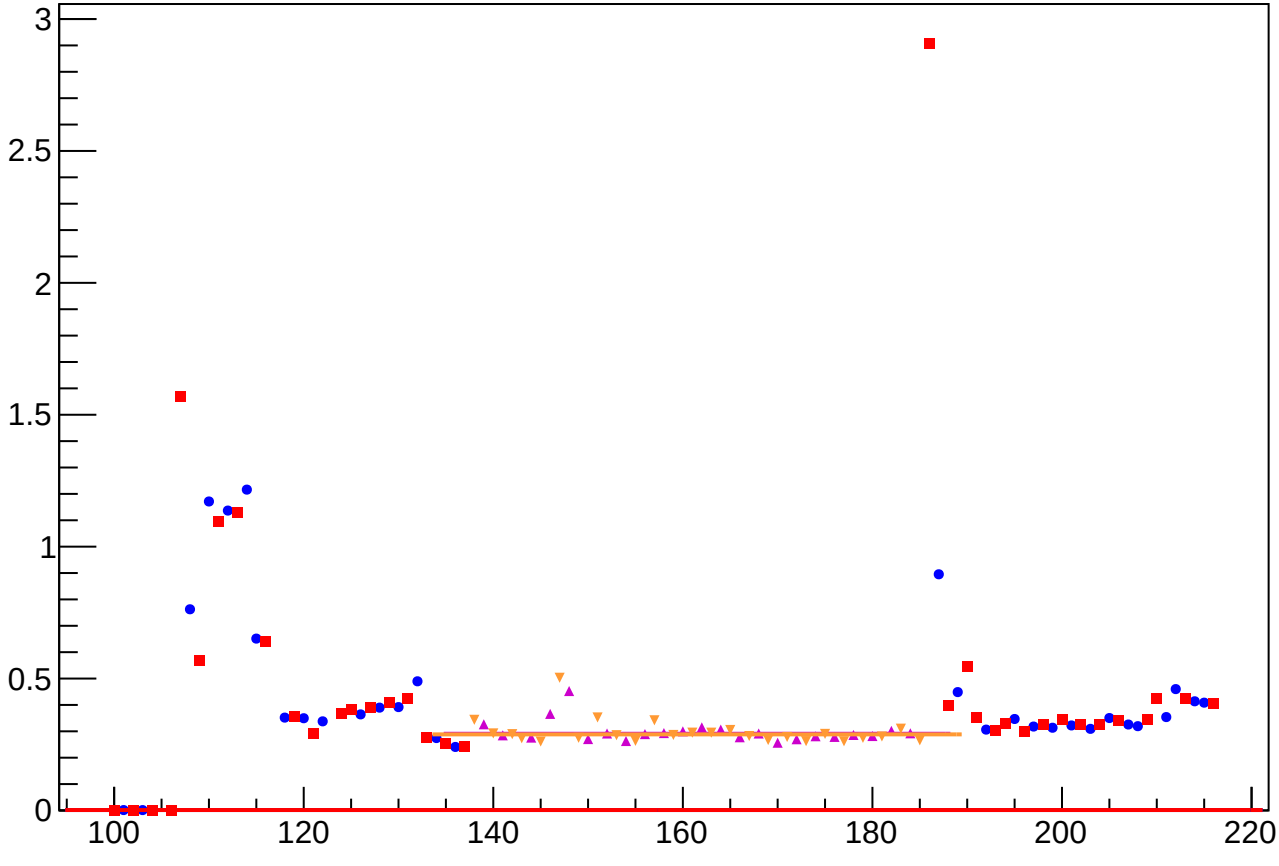
Right: 52.667+/-0.000 χ^2/NDF: 418866764534739.2

In: 61.578+/-0.000 χ^2/NDF:2998025567653.9/53

Out: 44.723+/-0.000 χ^2/NDF:367938741258456.1

All: 52.616+/-0.000 χ^2/NDF: 421959892711

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: 34006193.5/34

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

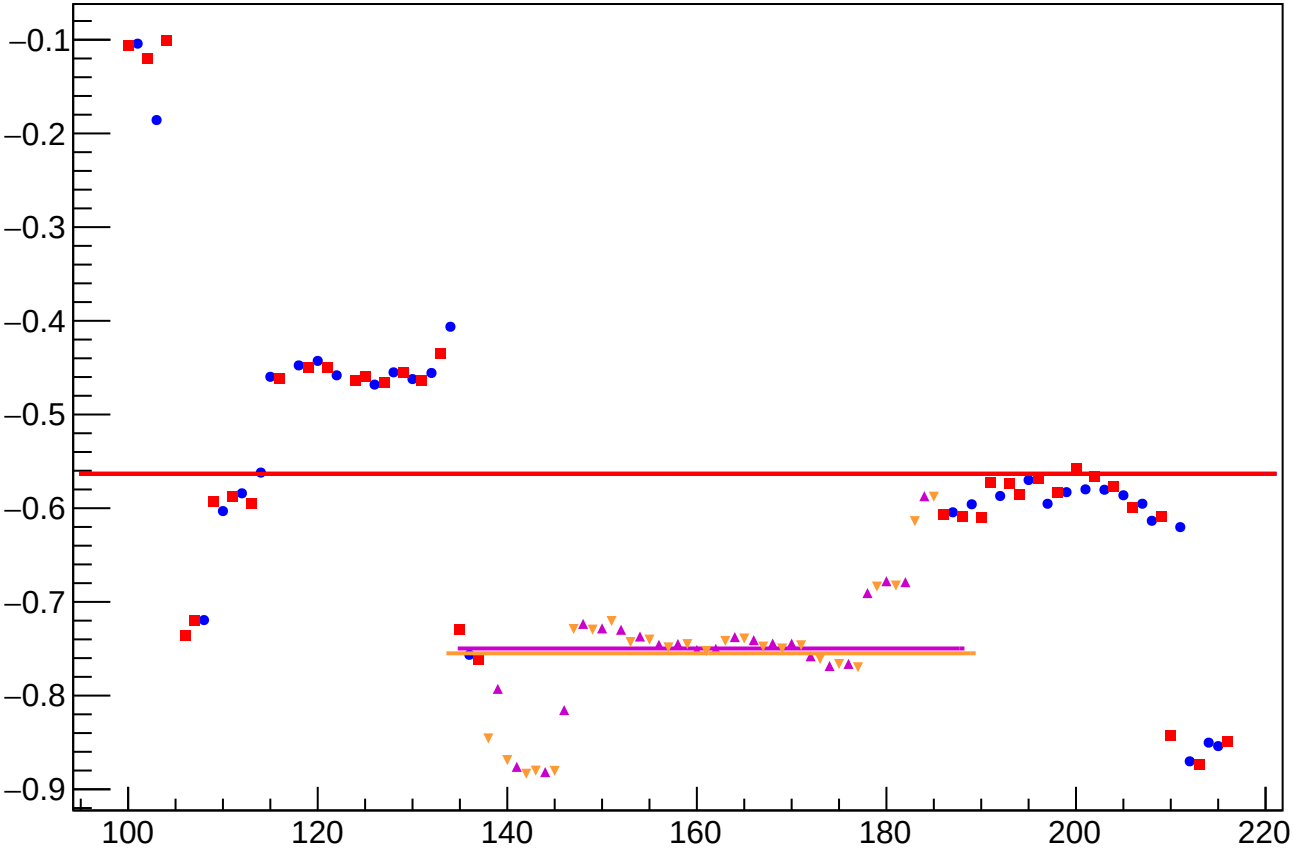
Right: 0.002+/-0.000 χ^2/NDF: 67969203.6/65

In: 0.002+/-0.000 χ^2/NDF:68850170.6/53

Out: 0.002+/-0.000 χ^2/NDF:70946059.0/59

All: 0.002+/-0.000 χ^2/NDF: 139796237.3/113

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: -0.563+/-0.000 χ^2/NDF: 296637021.3/34

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

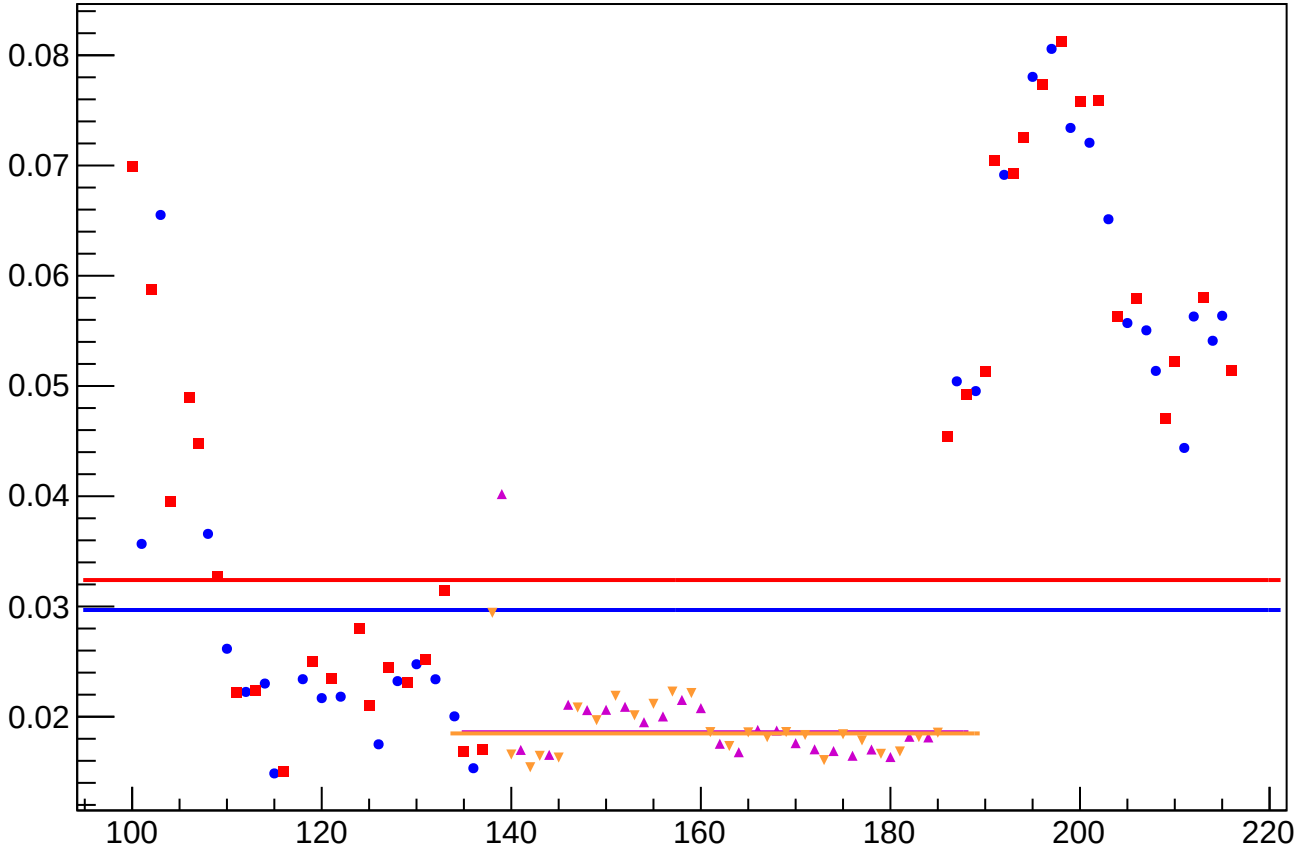
Right: -0.563+/-0.000 χ^2/NDF: 682184906.2/65

In: -0.701+/-0.000 χ^2/NDF:911736145.8/53

Out: -0.712+/-0.000 χ^2/NDF:888269421.3/59

All: -0.706+/-0.000 χ^2/NDF: 1803204574.6/1

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: 8198997.4/34

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

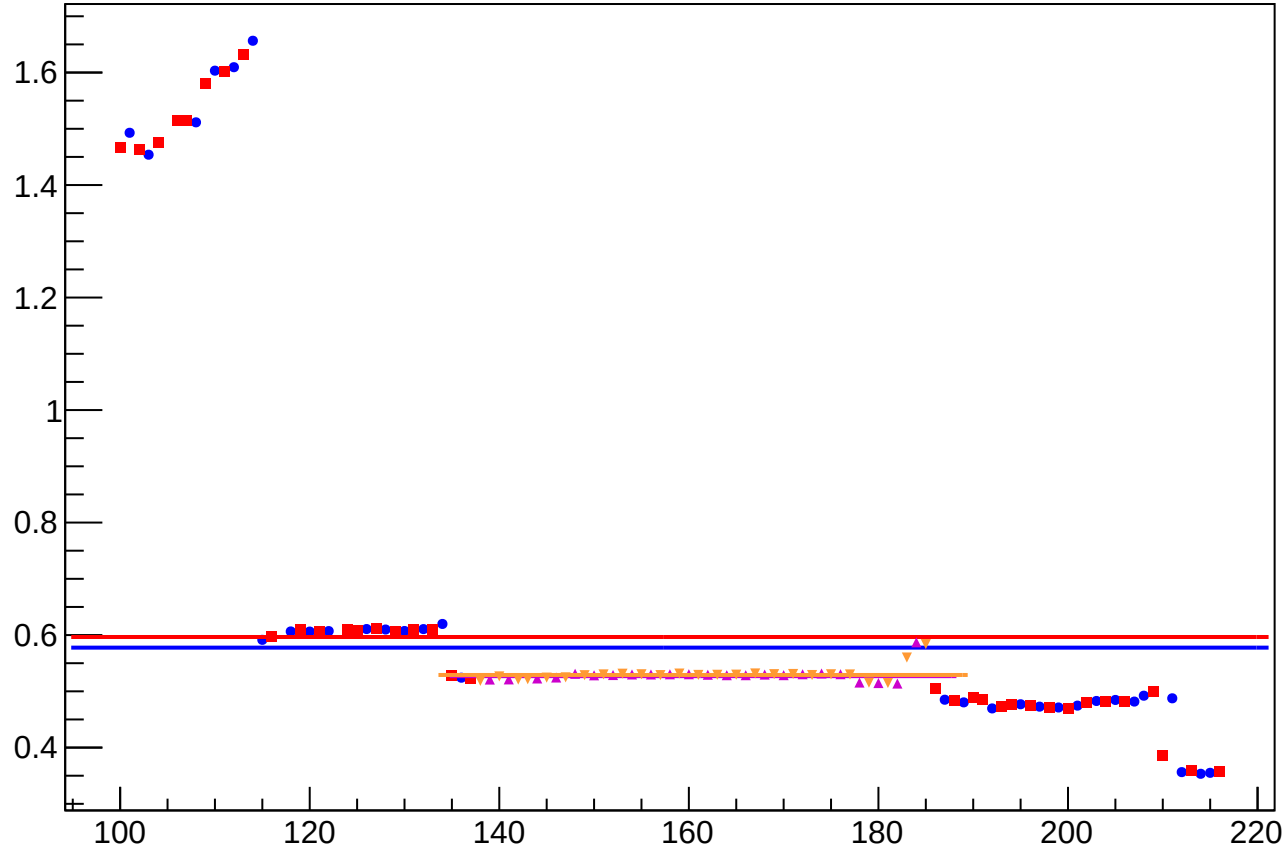
Right: 0.031+/-0.000 χ^2/NDF: 17151415.6/65

In: 0.021+/-0.000 χ^2/NDF:12308281.6/53

Out: 0.022+/-0.000 χ^2/NDF:12694137.5/59

All: 0.022+/-0.000 χ^2/NDF: 25003693.7/113

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: 0.597+/-0.000 χ^2/NDF: 7045418446.9/34

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

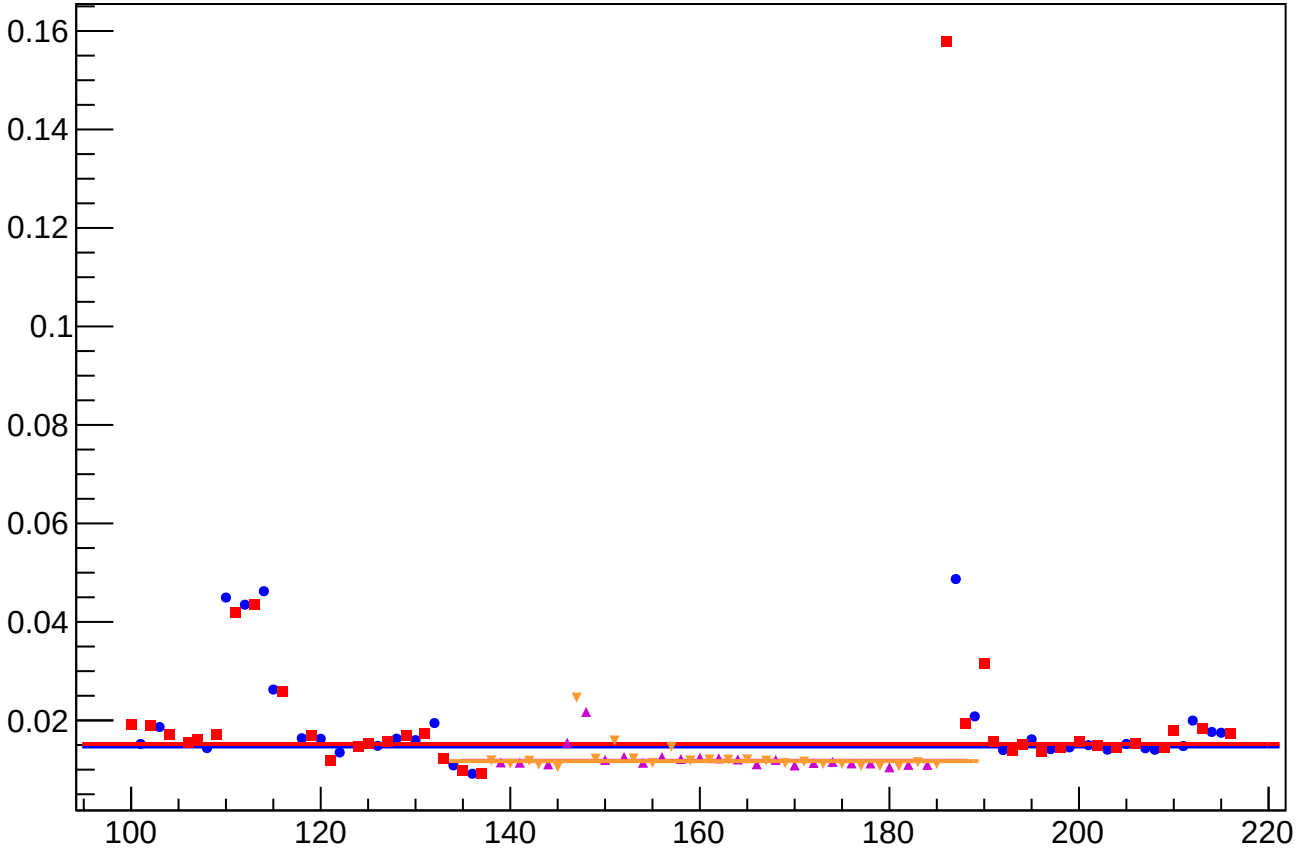
Right: 0.587+/-0.000 χ^2/NDF: 13176541512.4/65

In: 0.547+/-0.000 χ^2/NDF:6255817295.3/53

Out: 0.553+/-0.000 χ^2/NDF:7282655284.6/59

All: 0.550+/-0.000 χ^2/NDF: 13543301664.6/1

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: 2509925.1/34

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

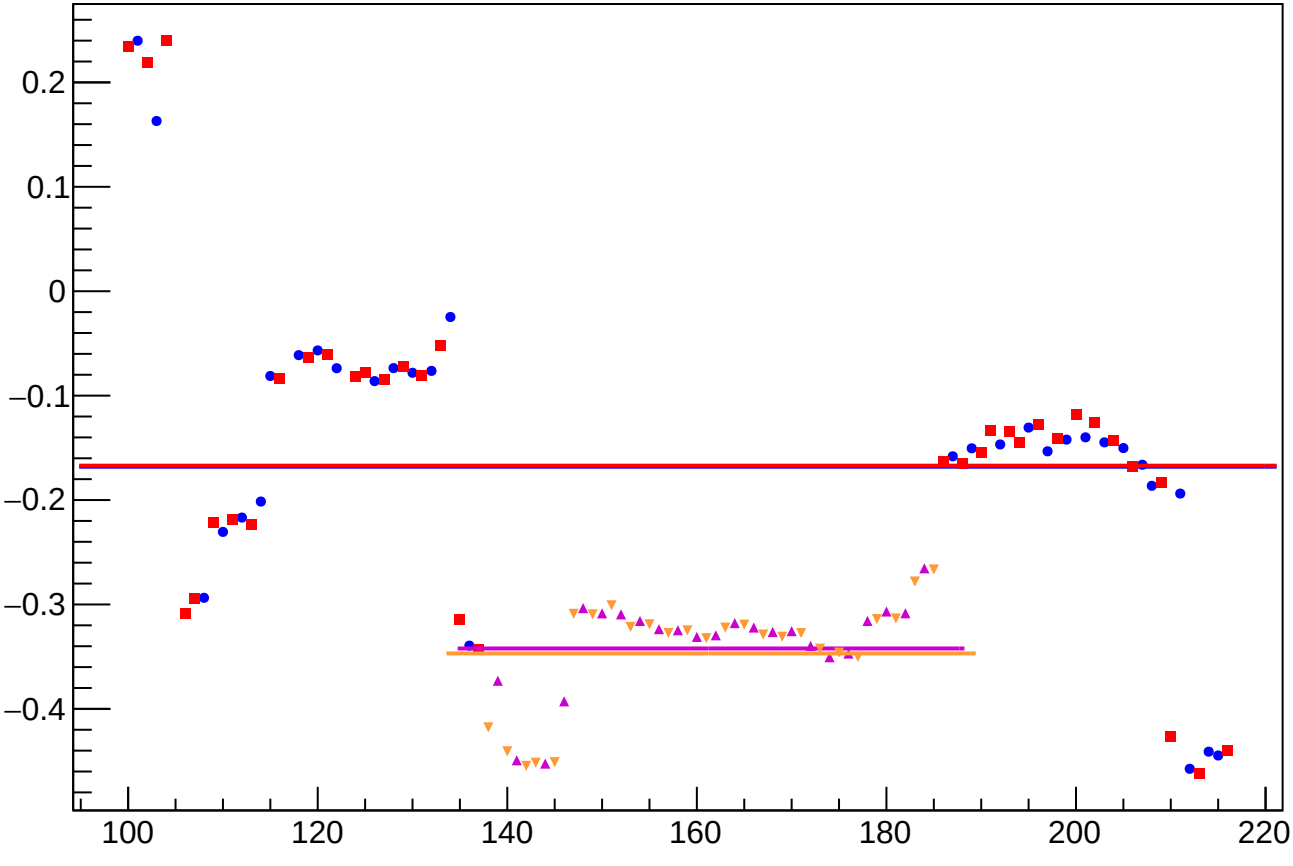
Right: 0.015+/-0.000 χ^2/NDF: 4726327.7/65

In: 0.013+/-0.000 χ^2/NDF:3547023.4/53

Out: 0.013+/-0.000 χ^2/NDF:4378089.9/59

All: 0.013+/-0.000 χ^2/NDF: 7926058.8/113

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: -0.167+/-0.000 χ^2/NDF: 276953960.8/34

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

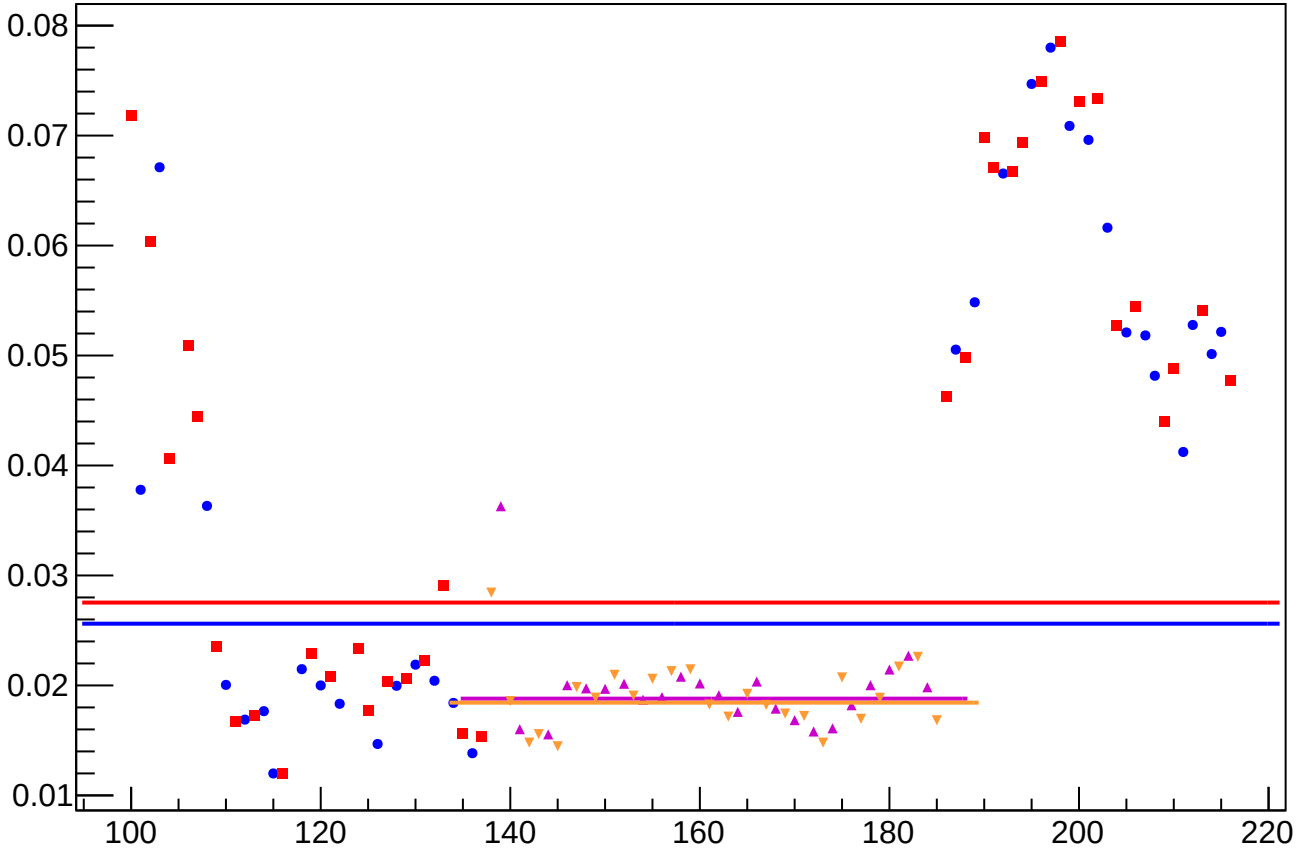
Right: -0.168+/-0.000 χ^2/NDF: 634087841.1/65

In: -0.288+/-0.000 χ^2/NDF:844945553.1/53

Out: -0.298+/-0.000 χ^2/NDF:811582197.5/59

All: -0.293+/-0.000 χ^2/NDF: 1659703956.8/1

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: 0.028+/-0.000 χ^2/NDF: 9977404.3/34

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

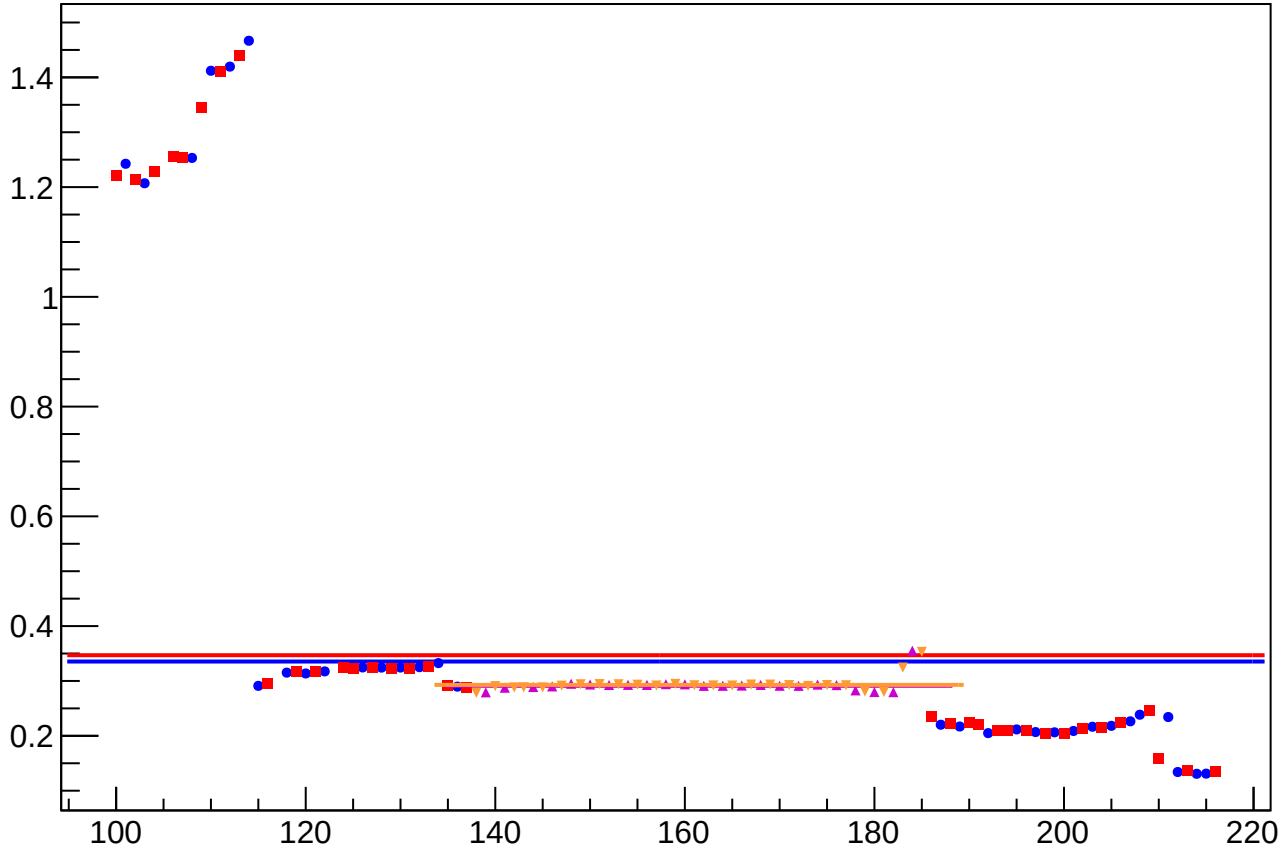
Right: 0.027+/-0.000 χ^2/NDF: 20219503.9/65

In: 0.021+/-0.000 χ^2/NDF:12118603.8/53

Out: 0.021+/-0.000 χ^2/NDF:12710562.9/59

All: 0.021+/-0.000 χ^2/NDF: 24829177.3/113

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: 0.347+/-0.000 χ^2/NDF: 9680199934.9/34

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

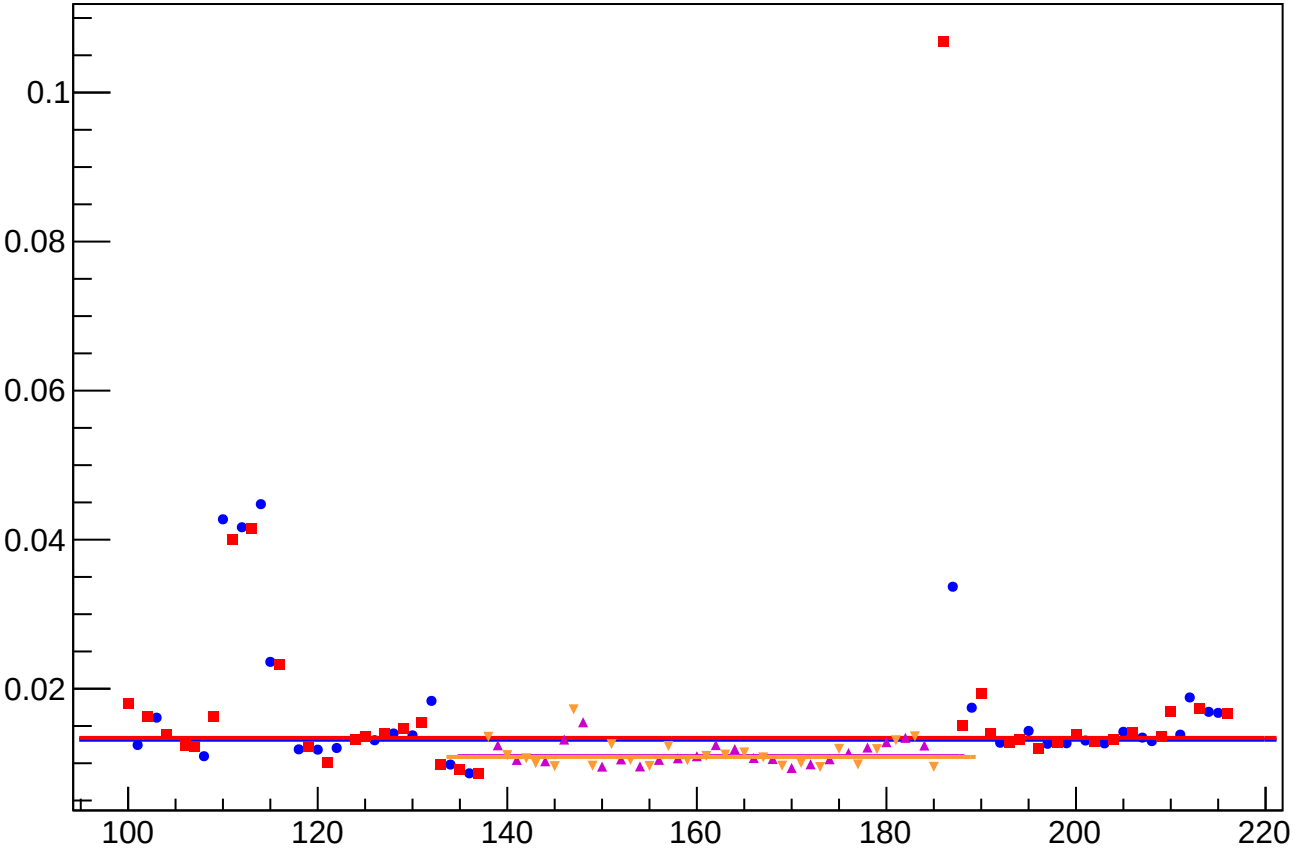
Right: 0.341+/-0.000 χ^2/NDF: 18466596510.2/65

In: 0.309+/-0.000 χ^2/NDF:8905600835.4/53

Out: 0.314+/-0.000 χ^2/NDF:9872387454.7/59

All: 0.311+/-0.000 χ^2/NDF: 18780400244.7/1

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: 2418536.4/34

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

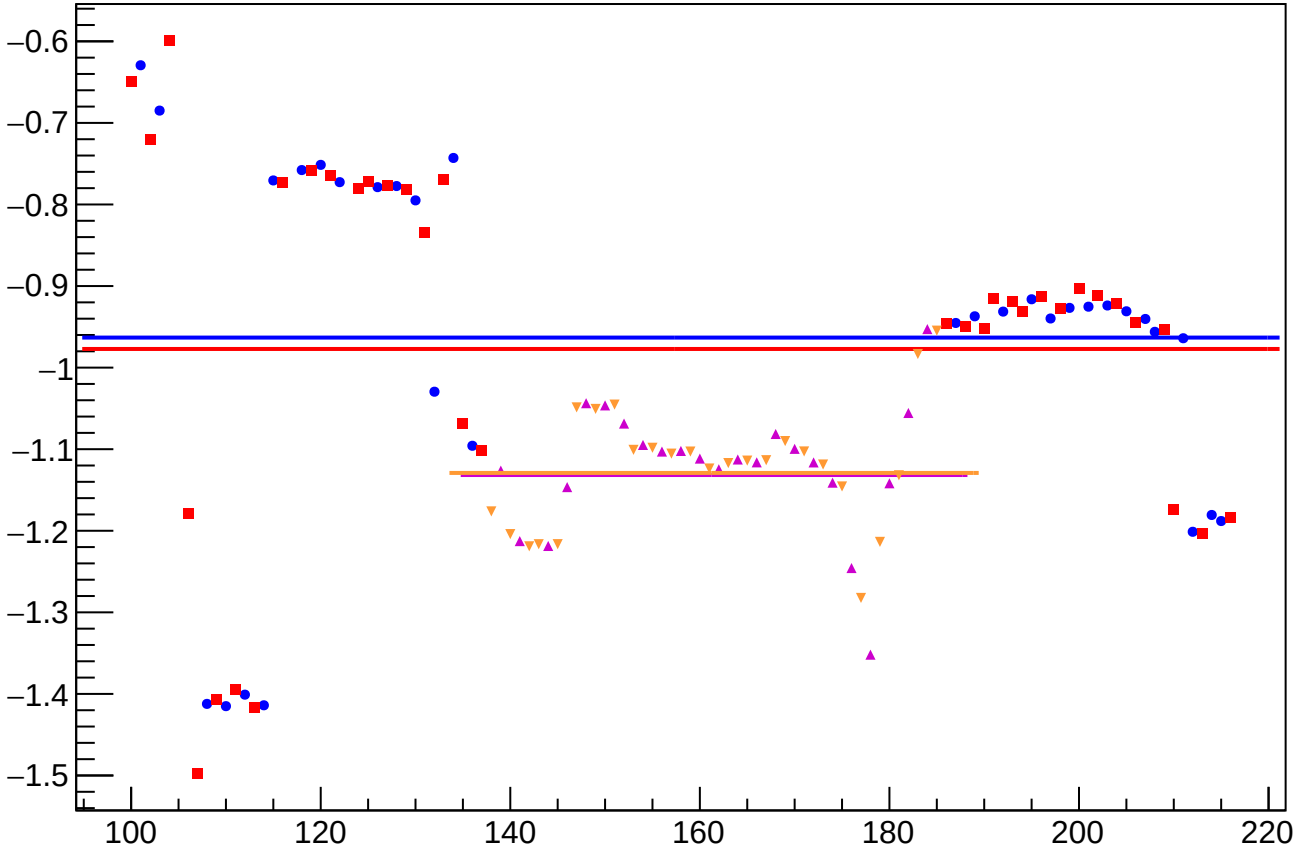
Right: 0.013+/-0.000 χ^2/NDF: 4569271.3/65

In: 0.012+/-0.000 χ^2/NDF:3227367.8/53

Out: 0.012+/-0.000 χ^2/NDF:3855284.1/59

All: 0.012+/-0.000 χ^2/NDF: 7082816.1/113

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: -0.977+/-0.000 χ^2/NDF: 758892375.1/34

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

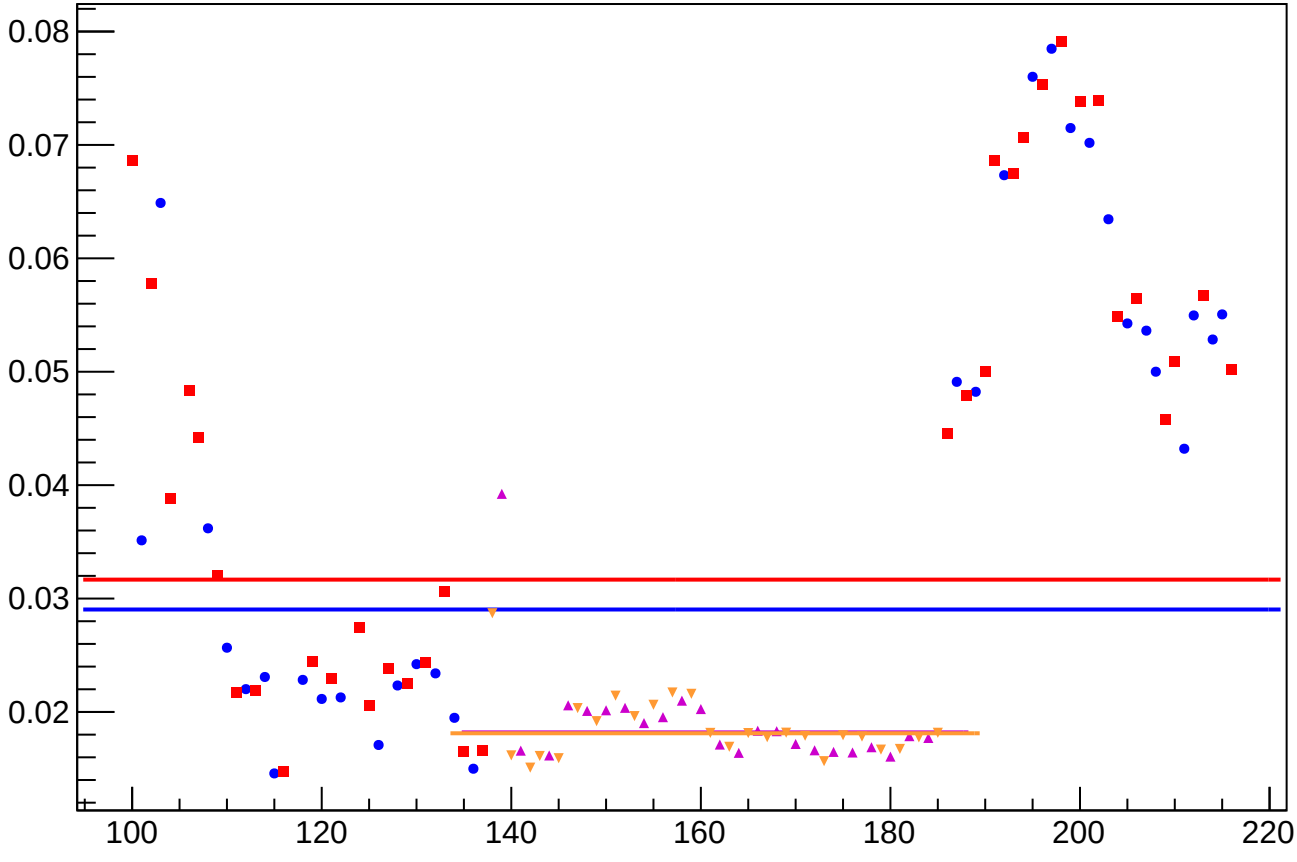
Right: -0.970+/-0.000 χ^2/NDF: 1508108557.0/65

In: -1.088+/-0.000 χ^2/NDF:1336418955.0/53

Out: -1.095+/-0.000 χ^2/NDF:1246618815.1/59

All: -1.091+/-0.000 χ^2/NDF: 2584476212.2/1

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: 0.032+/-0.000 χ^2/NDF: 8170286.1/34

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

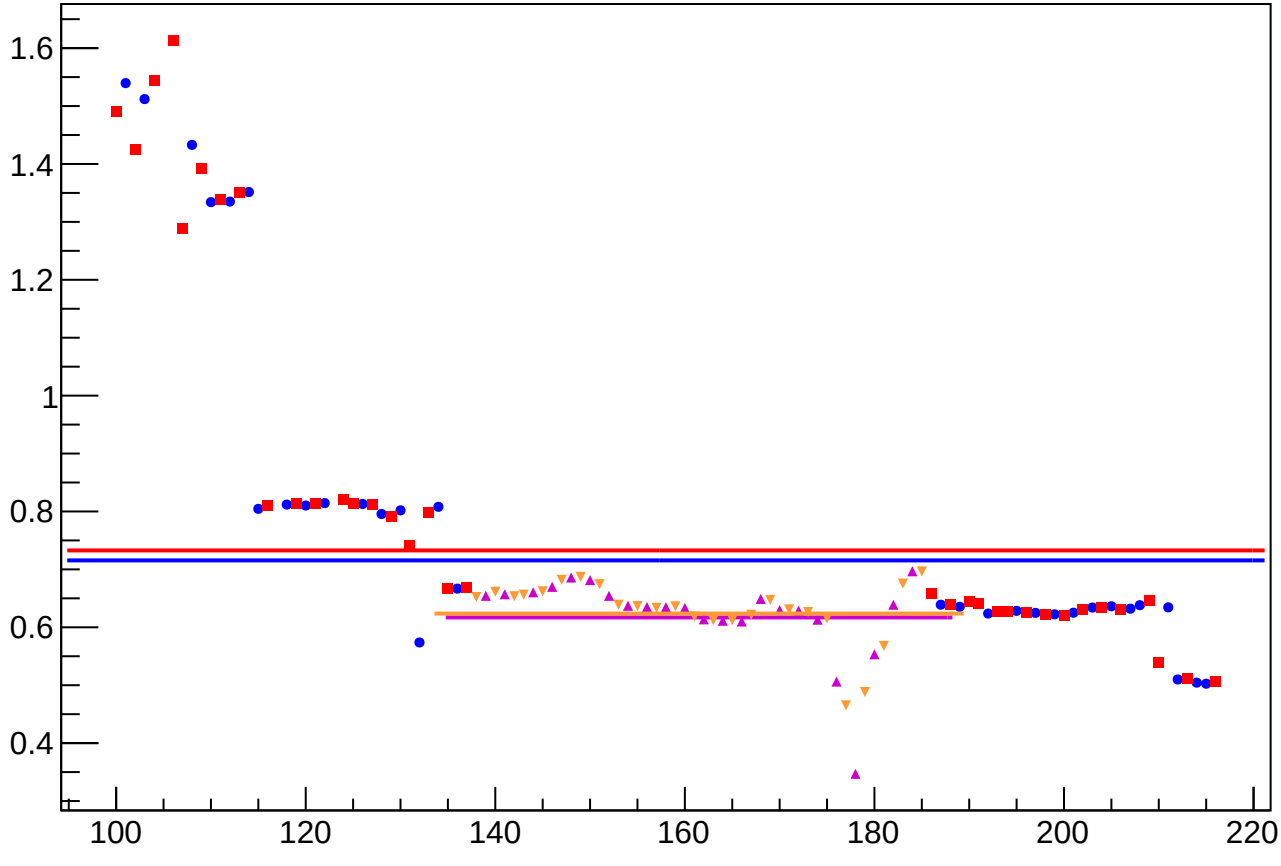
Right: 0.030+/-0.000 χ^2/NDF: 17091255.2/65

In: 0.021+/-0.000 χ^2/NDF:12259419.3/53

Out: 0.021+/-0.000 χ^2/NDF:12612094.7/59

All: 0.021+/-0.000 χ^2/NDF: 24873270.0/113

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: 0.733+/-0.000 χ^2/NDF: 4609638029.5/34

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

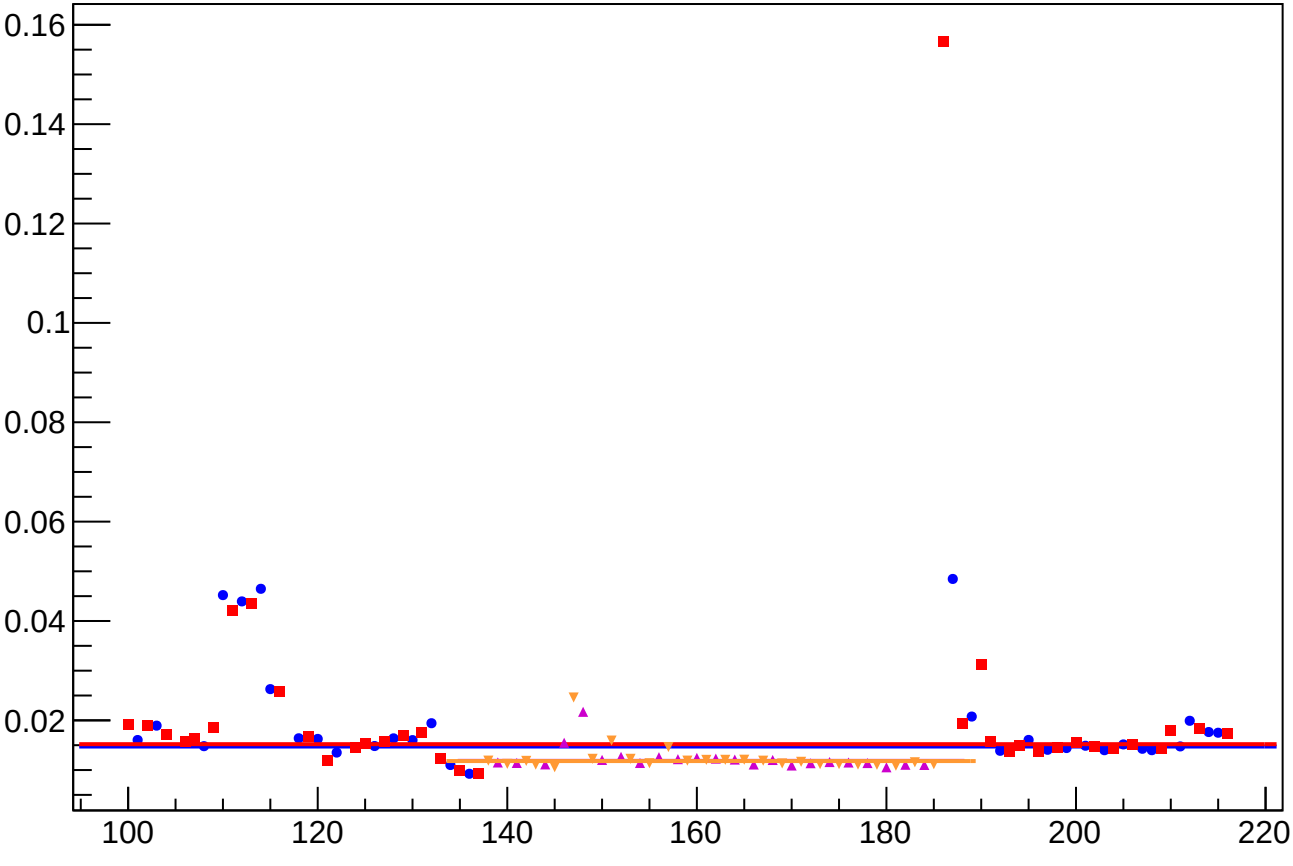
Right: 0.724+/-0.000 χ^2/NDF: 8905893310.1/65

In: 0.655+/-0.000 χ^2/NDF:5401656876.3/53

Out: 0.663+/-0.000 χ^2/NDF:5582658867.8/59

All: 0.659+/-0.000 χ^2/NDF: 10991043451.2/1

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: 2515106.8/34

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

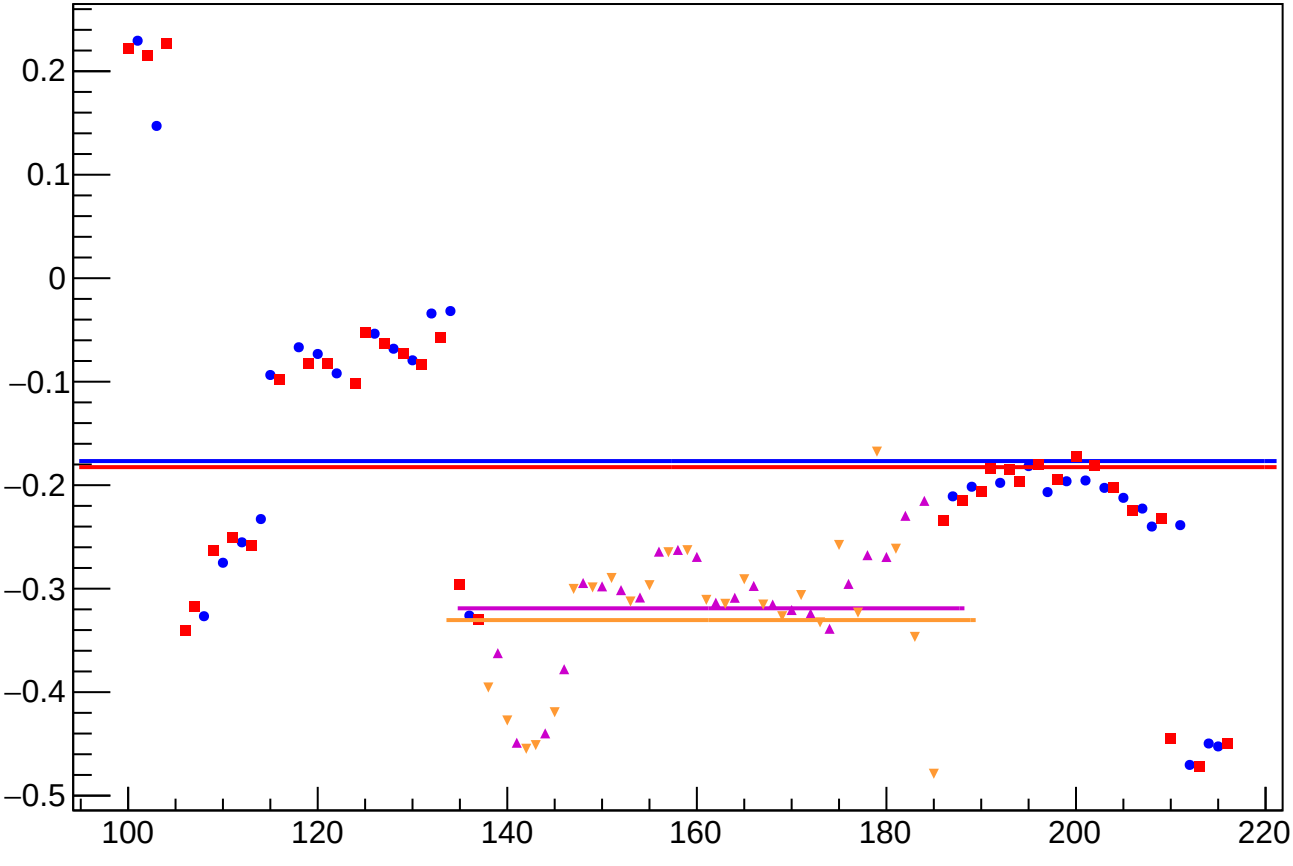
Right: 0.015+/-0.000 χ^2/NDF: 4707855.9/65

In: 0.013+/-0.000 χ^2/NDF:3494595.4/53

Out: 0.013+/-0.000 χ^2/NDF:4302155.8/59

All: 0.013+/-0.000 χ^2/NDF: 7797936.0/113

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: -0.183+/-0.000 χ^2/NDF: 274654260.2/34

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

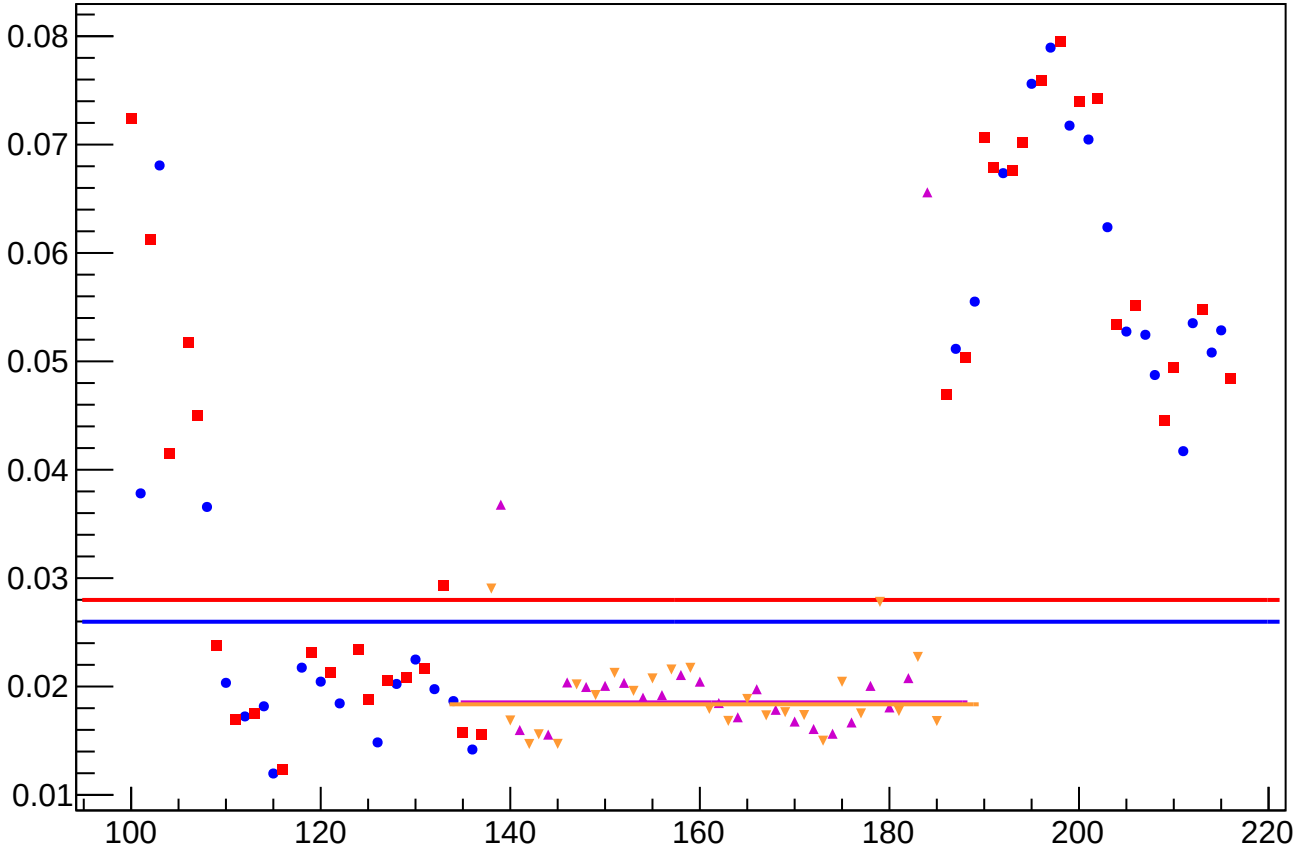
Right: -0.179+/-0.000 χ^2/NDF: 636313404.8/65

In: -0.276+/-0.000 χ^2/NDF:753636127.0/53

Out: -0.291+/-0.000 χ^2/NDF:725664734.7/59

All: -0.283+/-0.000 χ^2/NDF: 1486261177.4/1

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: 9916036.1/34

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

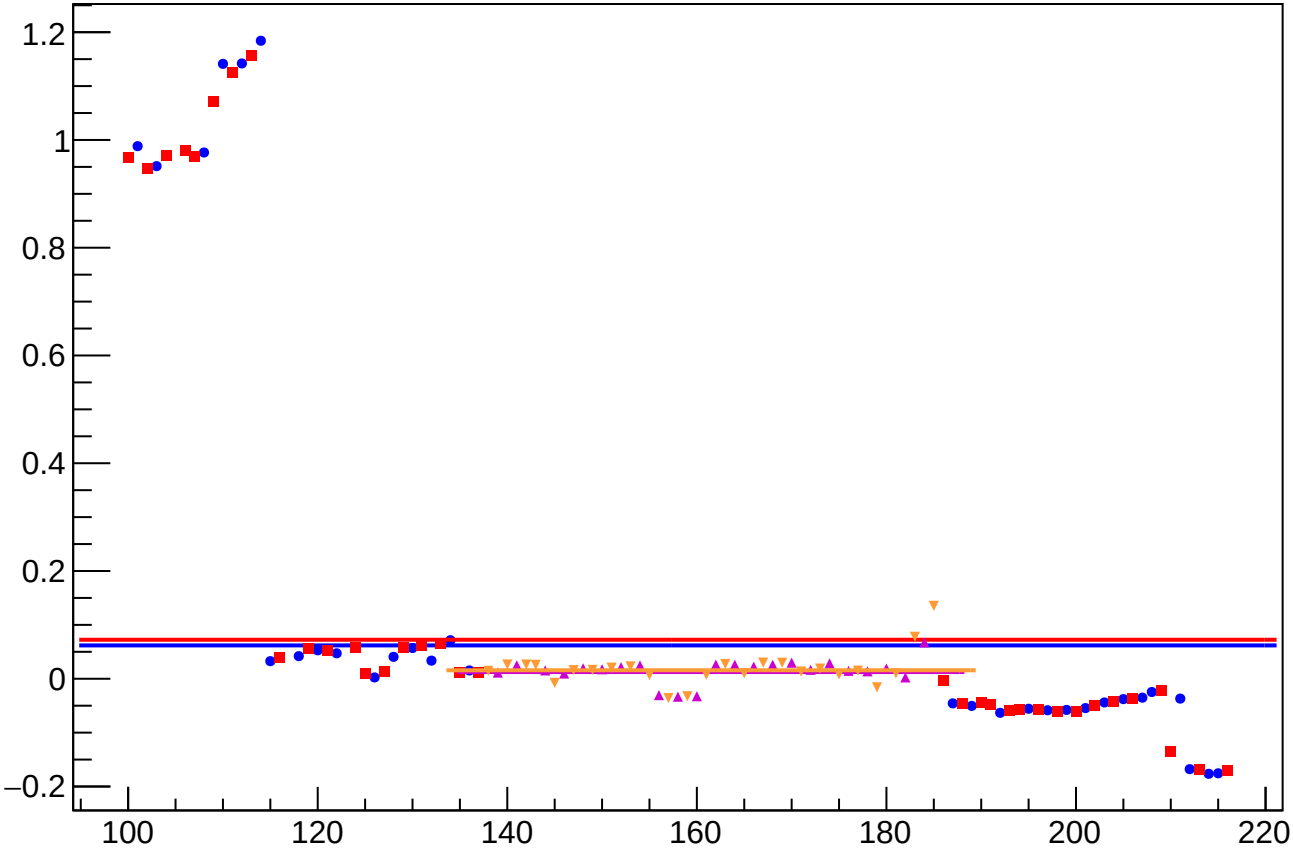
Right: 0.027+/-0.000 χ^2/NDF: 20121248.7/65

In: 0.021+/-0.000 χ^2/NDF:12498553.7/53

Out: 0.021+/-0.000 χ^2/NDF:12930892.2/59

All: 0.021+/-0.000 χ^2/NDF: 25430710.5/113

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: 0.072+/-0.000 χ^2/NDF: 9673035973.1/34

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

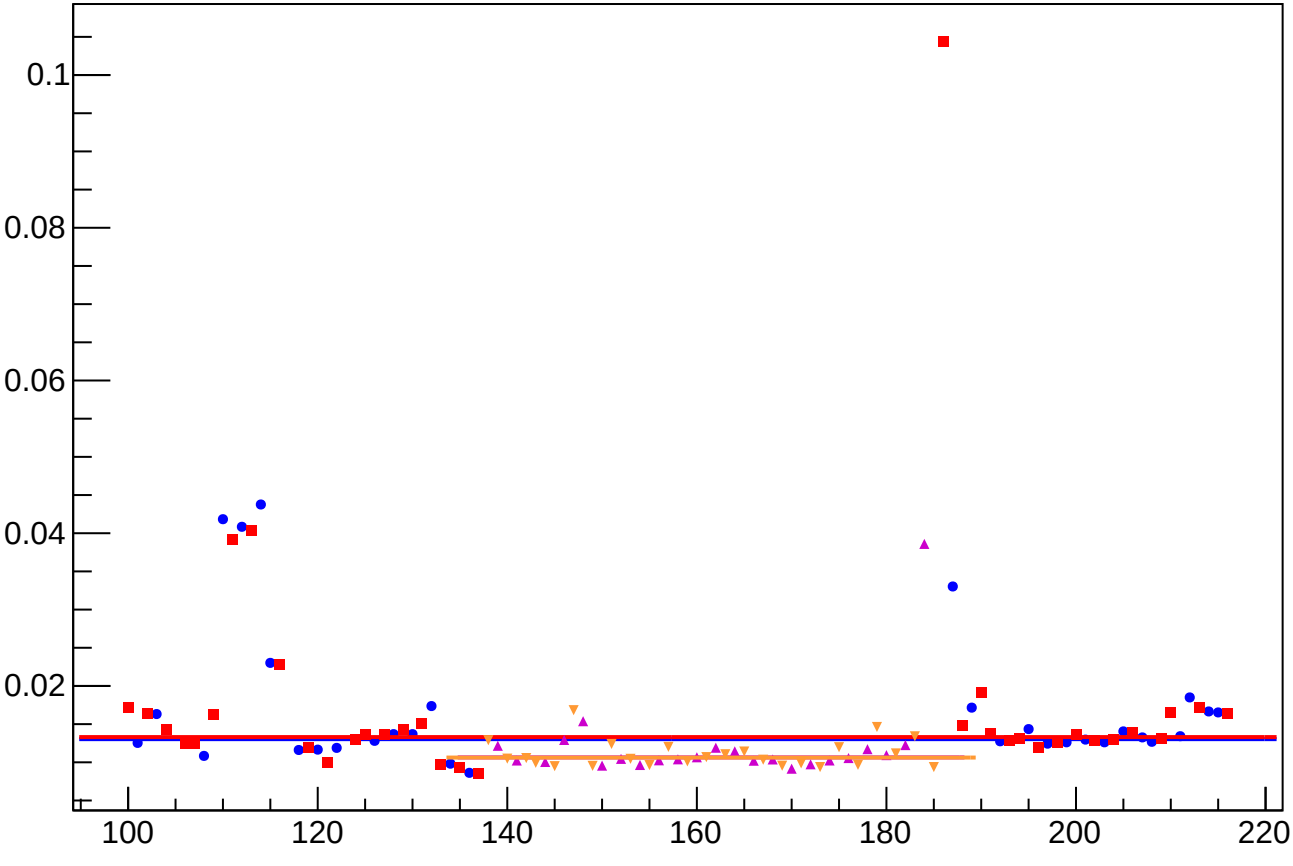
Right: 0.067+/-0.000 χ^2/NDF: 18655312888.4/65

In: 0.032+/-0.000 χ^2/NDF:9183196697.6/53

Out: 0.038+/-0.000 χ^2/NDF:9972872212.7/59

All: 0.035+/-0.000 χ^2/NDF: 19159387123.8/1

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: 2342920.7/34

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

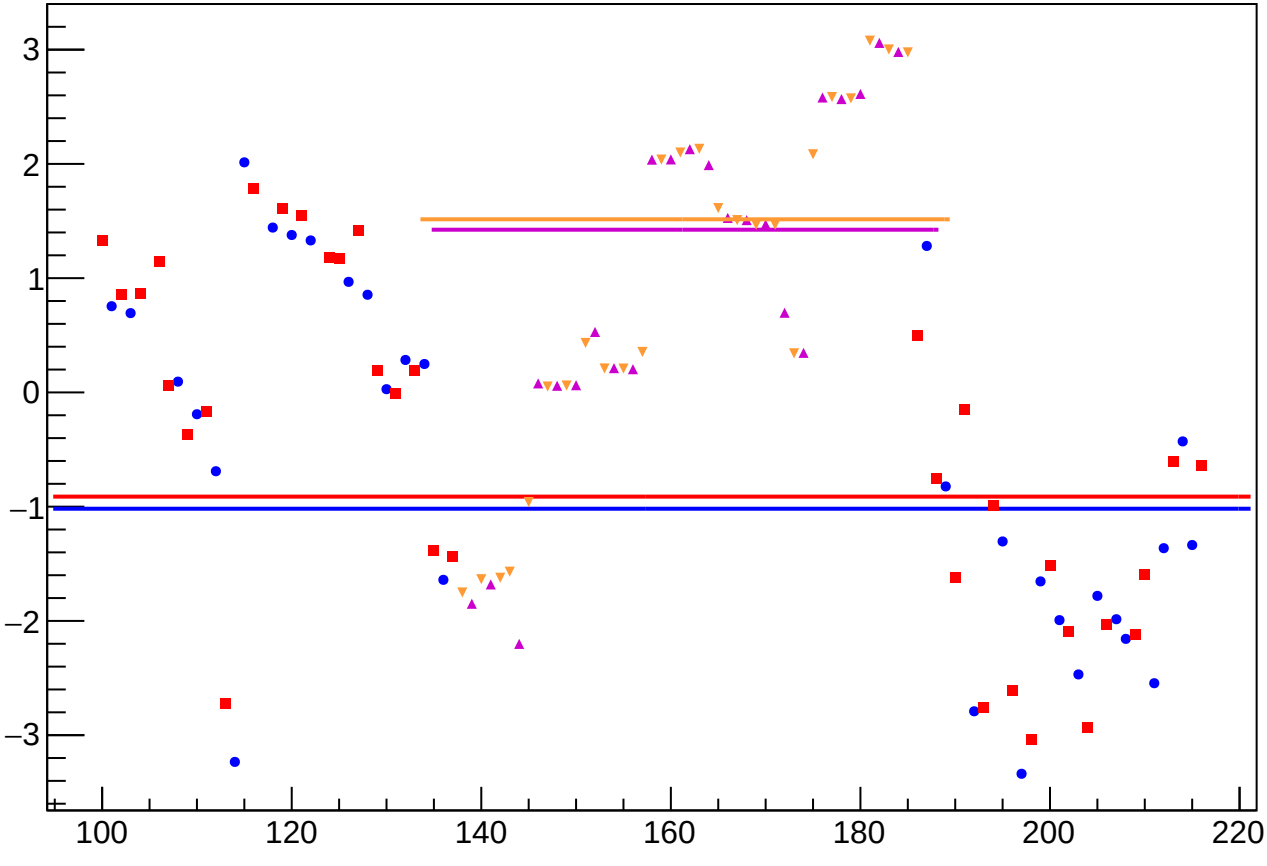
Right: 0.013+/-0.000 χ^2/NDF: 4440908.8/65

In: 0.012+/-0.000 χ^2/NDF:3355810.2/53

Out: 0.012+/-0.000 χ^2/NDF:3838241.9/59

All: 0.012+/-0.000 χ^2/NDF: 7194582.0/113

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: -0.912+/-0.000 χ^2/NDF: 9683495260.7/34

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

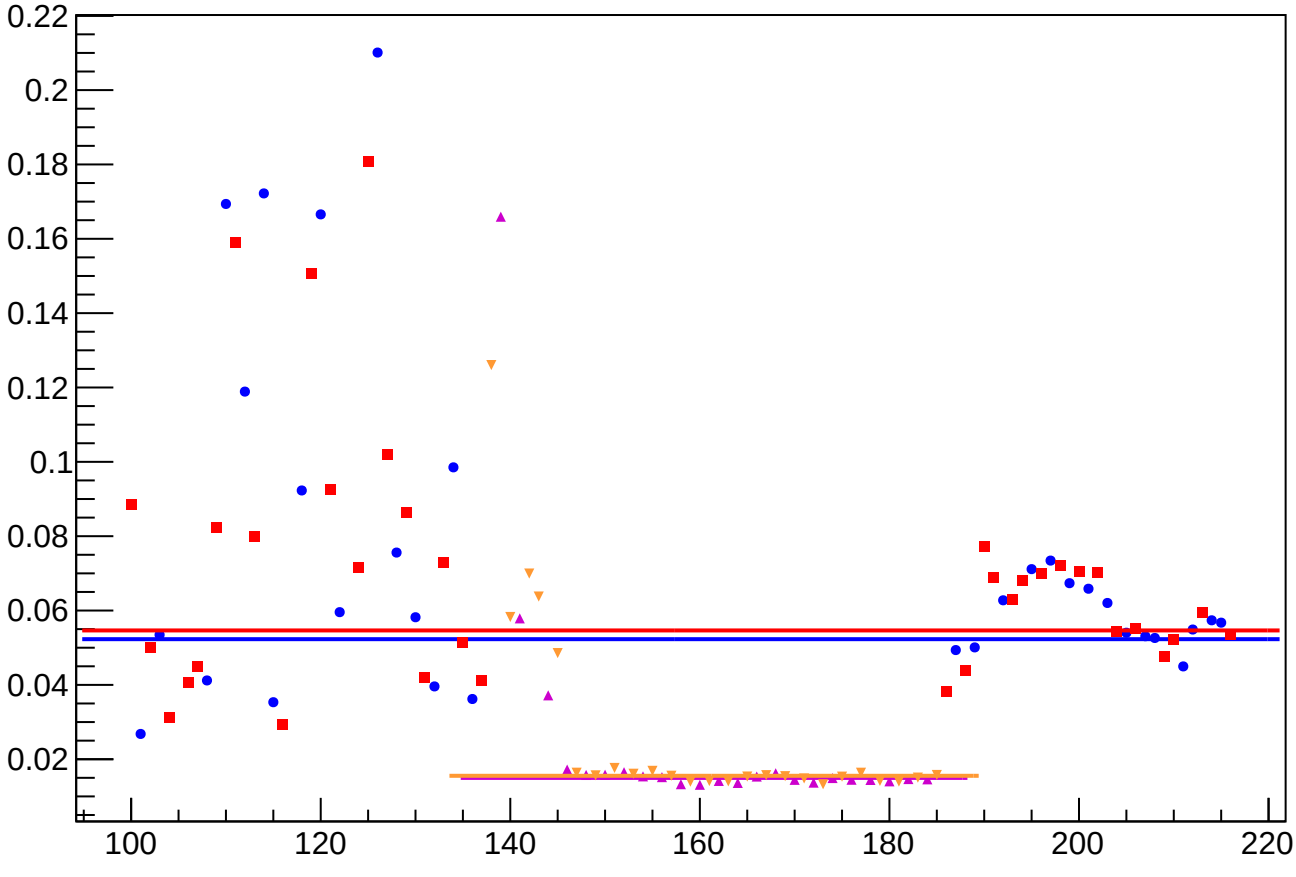
Right: -0.966+/-0.000 χ^2/NDF: 19415254472.1/65

In: 1.229+/-0.000 χ^2/NDF:107395833601.1/53

Out: 1.323+/-0.000 χ^2/NDF:105802074498.5/59

All: 1.275+/-0.000 χ^2/NDF: 213492412670.8

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: 3196670.5/34

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

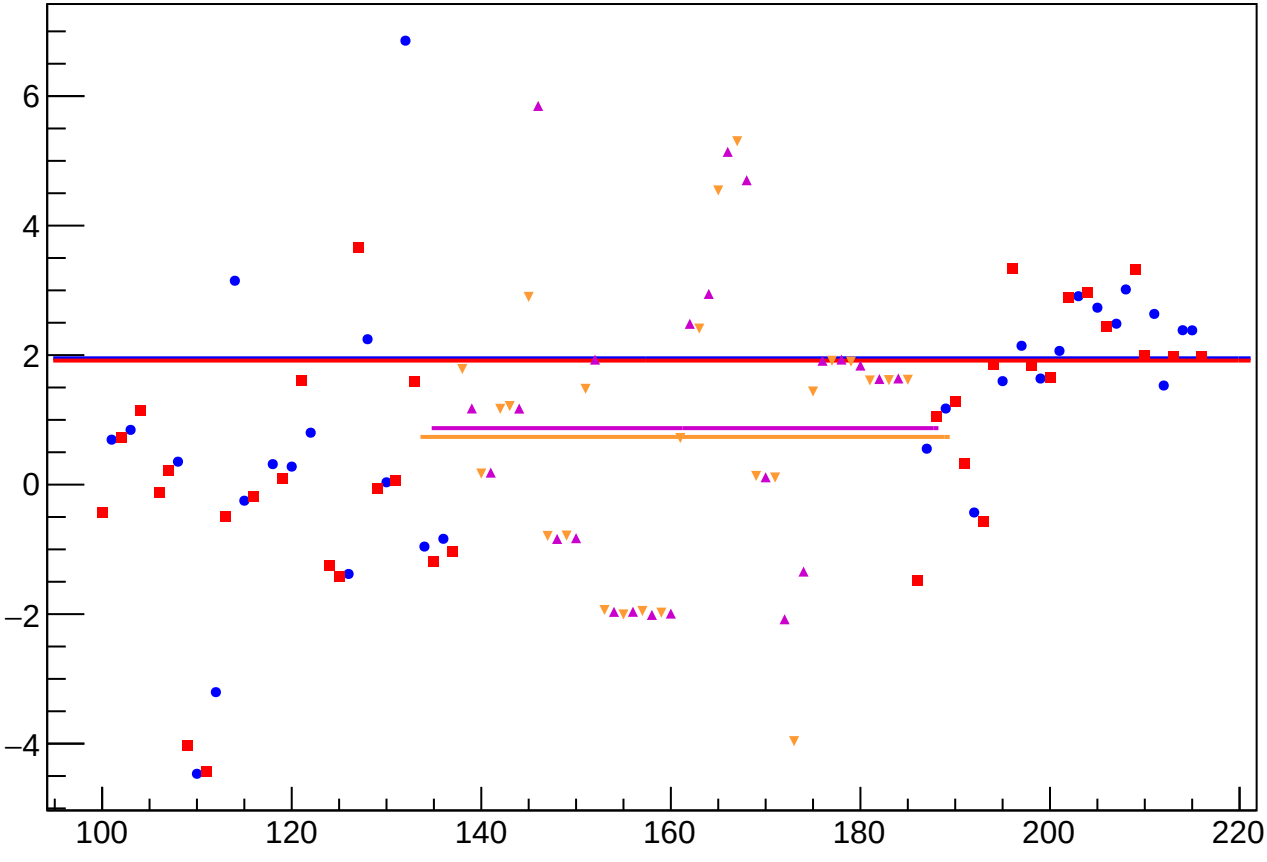
Right: 0.053+/-0.000 χ^2/NDF: 6848283.1/65

In: 0.018+/-0.000 χ^2/NDF:19655458.4/53

Out: 0.019+/-0.000 χ^2/NDF:20886342.9/59

All: 0.018+/-0.000 χ^2/NDF: 40573065.9/113

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: 1.916+/-0.000 χ^2/NDF: 44577442264.9/34

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

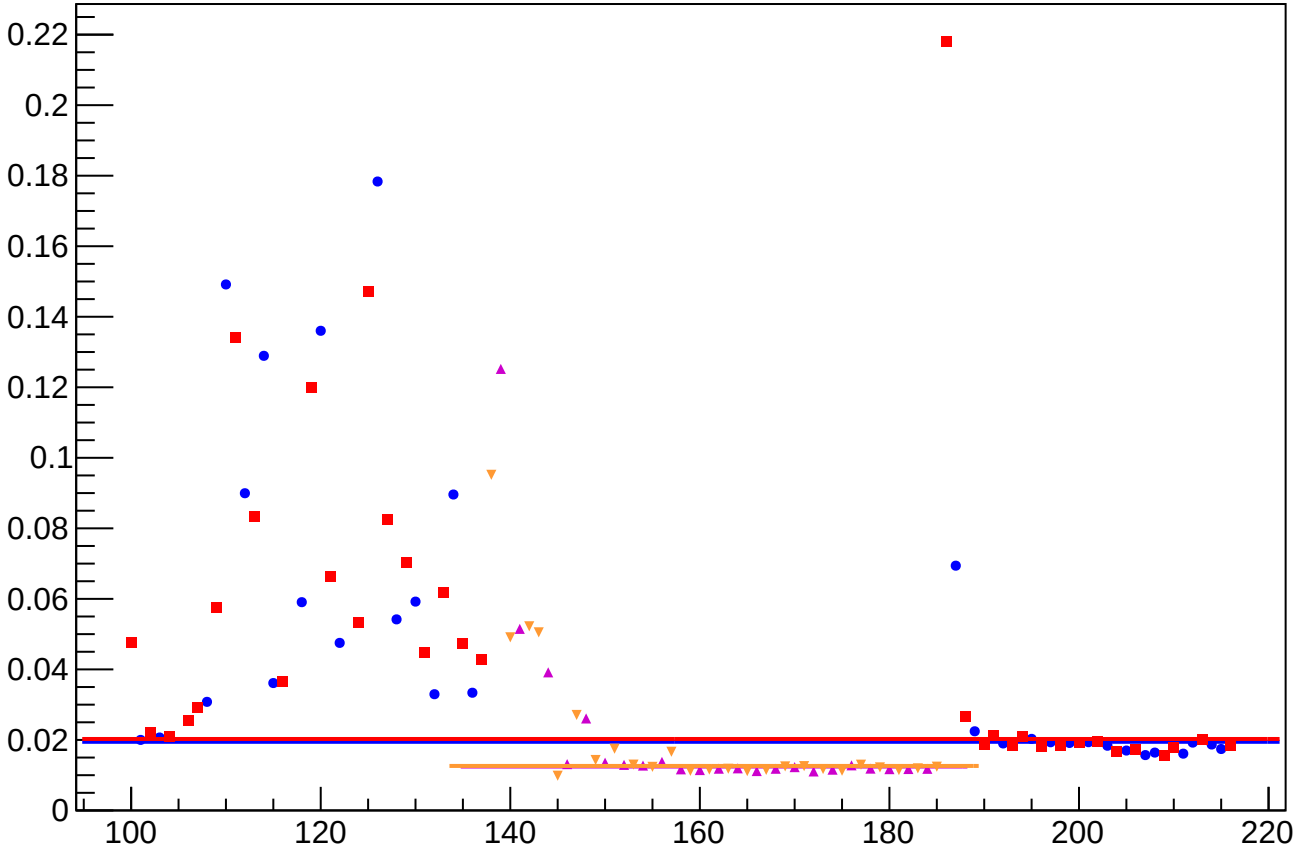
Right: 1.934+/-0.000 χ^2/NDF: 86165454830.1/65

In: 1.157+/-0.000 χ^2/NDF:692120824101.4/53

Out: 1.035+/-0.000 χ^2/NDF:615453767349.7/59

All: 1.096+/-0.000 χ^2/NDF: 1308570728150.

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: 5540768.9/34

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

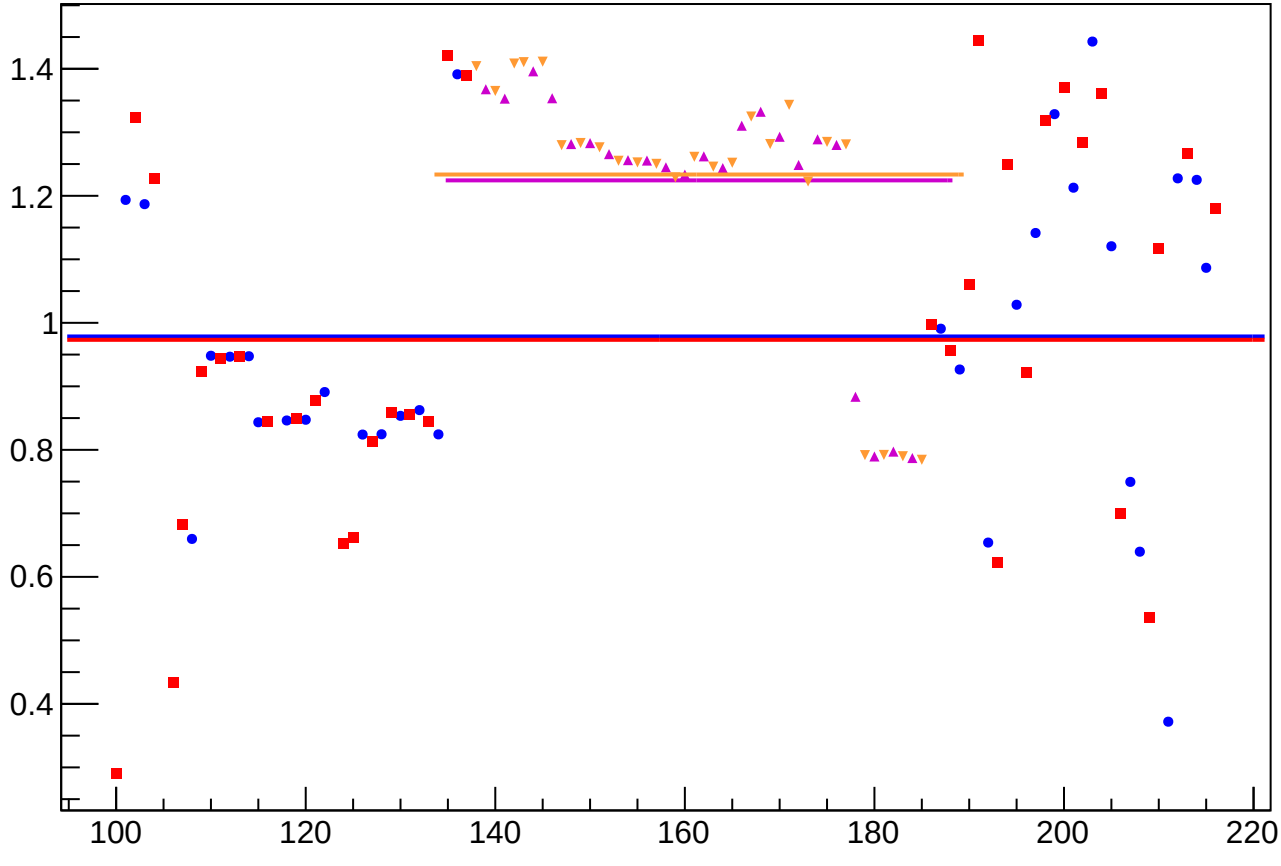
Right: 0.020+/-0.000 χ^2/NDF: 10063716.9/65

In: 0.014+/-0.000 χ^2/NDF:9827919.4/53

Out: 0.015+/-0.000 χ^2/NDF:11666733.3/59

All: 0.014+/-0.000 χ^2/NDF: 21503000.1/113

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: 0.973+/-0.000 χ^2/NDF: 2544480062.1/34

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

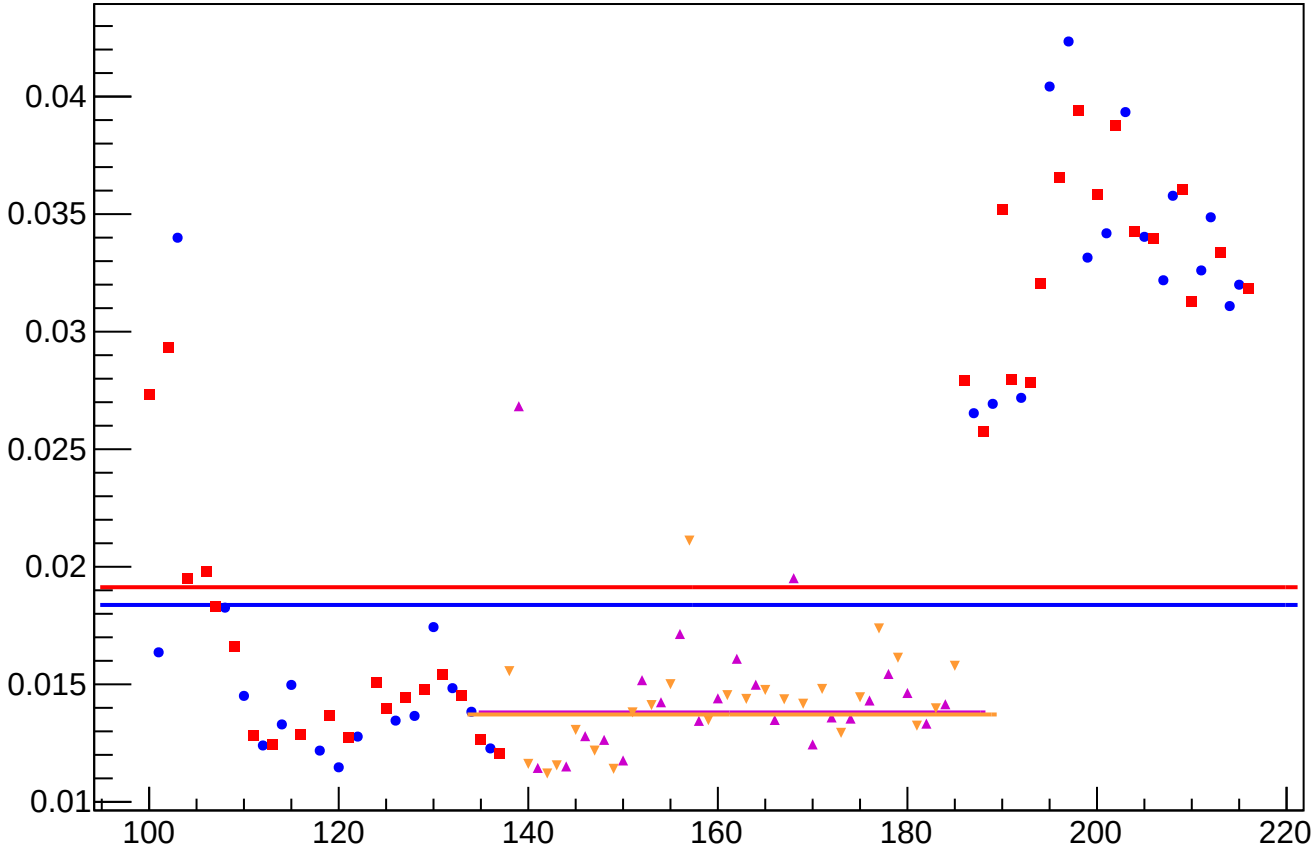
Right: 0.976+/-0.000 χ^2/NDF: 4833465339.7/65

In: 1.143+/-0.000 χ^2/NDF:6654171578.9/53

Out: 1.152+/-0.000 χ^2/NDF:7507372247.5/59

All: 1.147+/-0.000 χ^2/NDF: 14167004601.5/1

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: 5931569.0/34

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

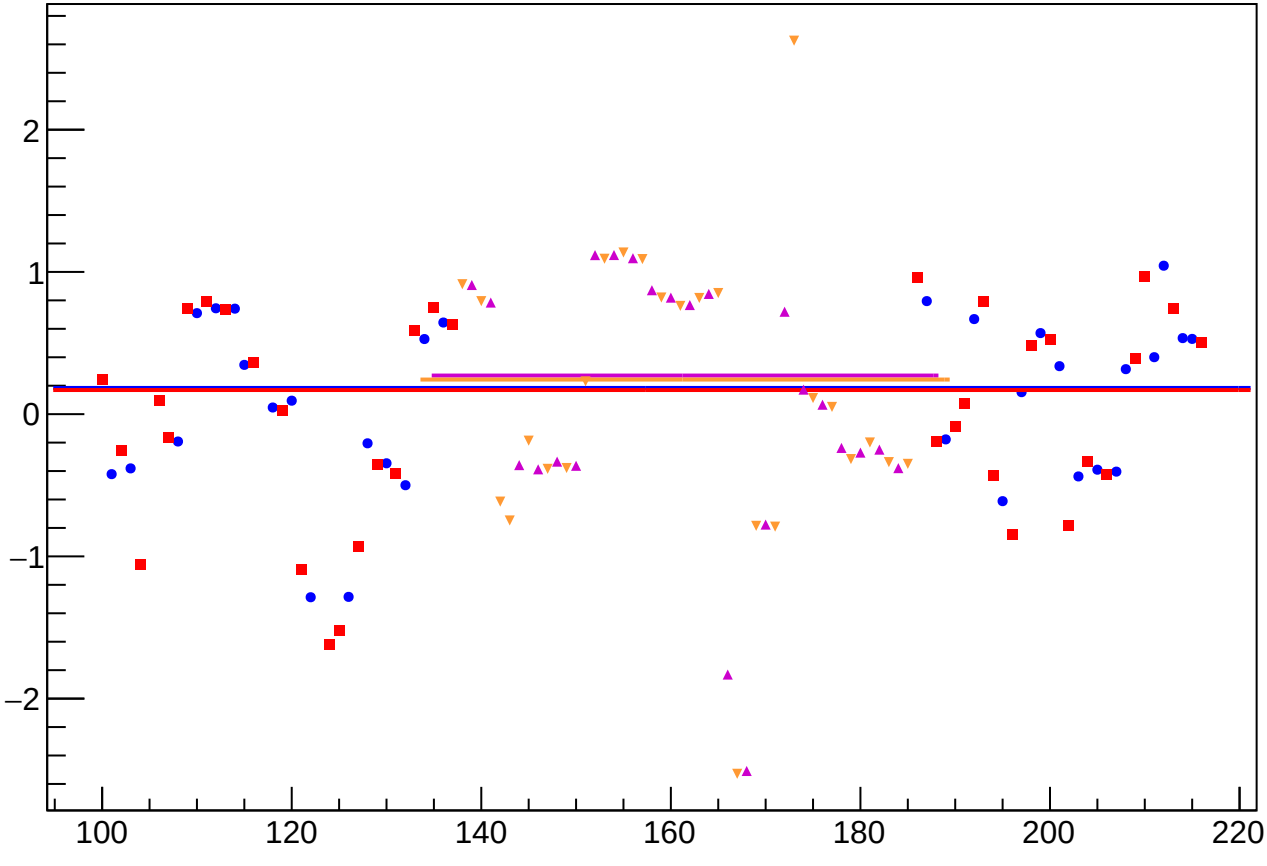
Right: 0.019+/-0.000 χ^2/NDF: 12460374.9/65

In: 0.015+/-0.000 χ^2/NDF:8559878.9/53

Out: 0.015+/-0.000 χ^2/NDF:8142353.0/59

All: 0.015+/-0.000 χ^2/NDF: 16703365.8/113

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: 0.170+/-0.000 χ^2/NDF: 49155614672.1/34

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

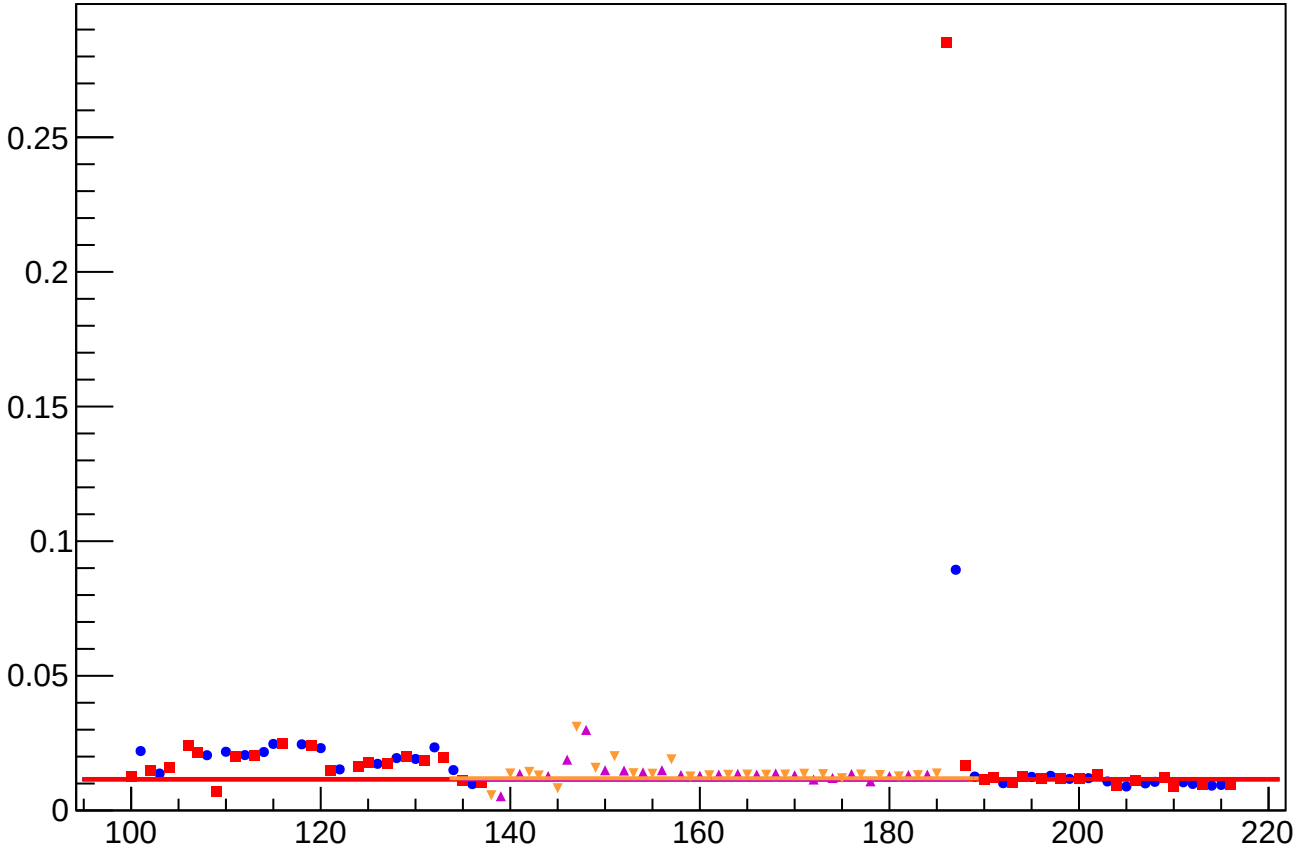
Right: 0.177+/-0.000 χ^2/NDF: 84722774086.5/65

In: 0.227+/-0.000 χ^2/NDF:126508060397.8/53

Out: 0.207+/-0.000 χ^2/NDF:155065271342.2/59

All: 0.217+/-0.000 χ^2/NDF: 281624330454.1

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: 3295710.6/34

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

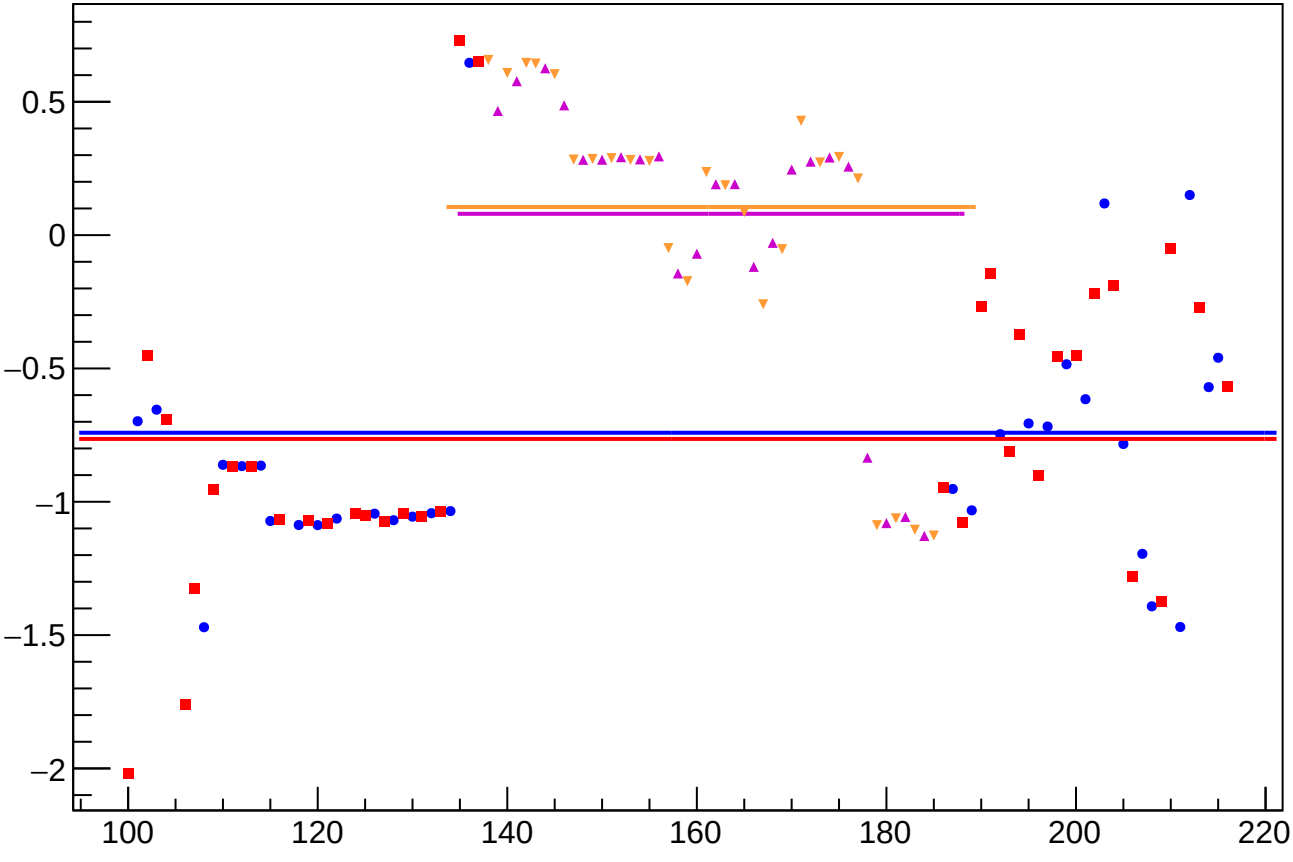
Right: 0.012+/-0.000 χ^2/NDF: 6145380.4/65

In: 0.011+/-0.000 χ^2/NDF:6514595.4/53

Out: 0.012+/-0.000 χ^2/NDF:6569144.4/59

All: 0.012+/-0.000 χ^2/NDF: 13111962.5/113

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: -0.764+/-0.000 χ^2/NDF: 2245888933.1/34

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

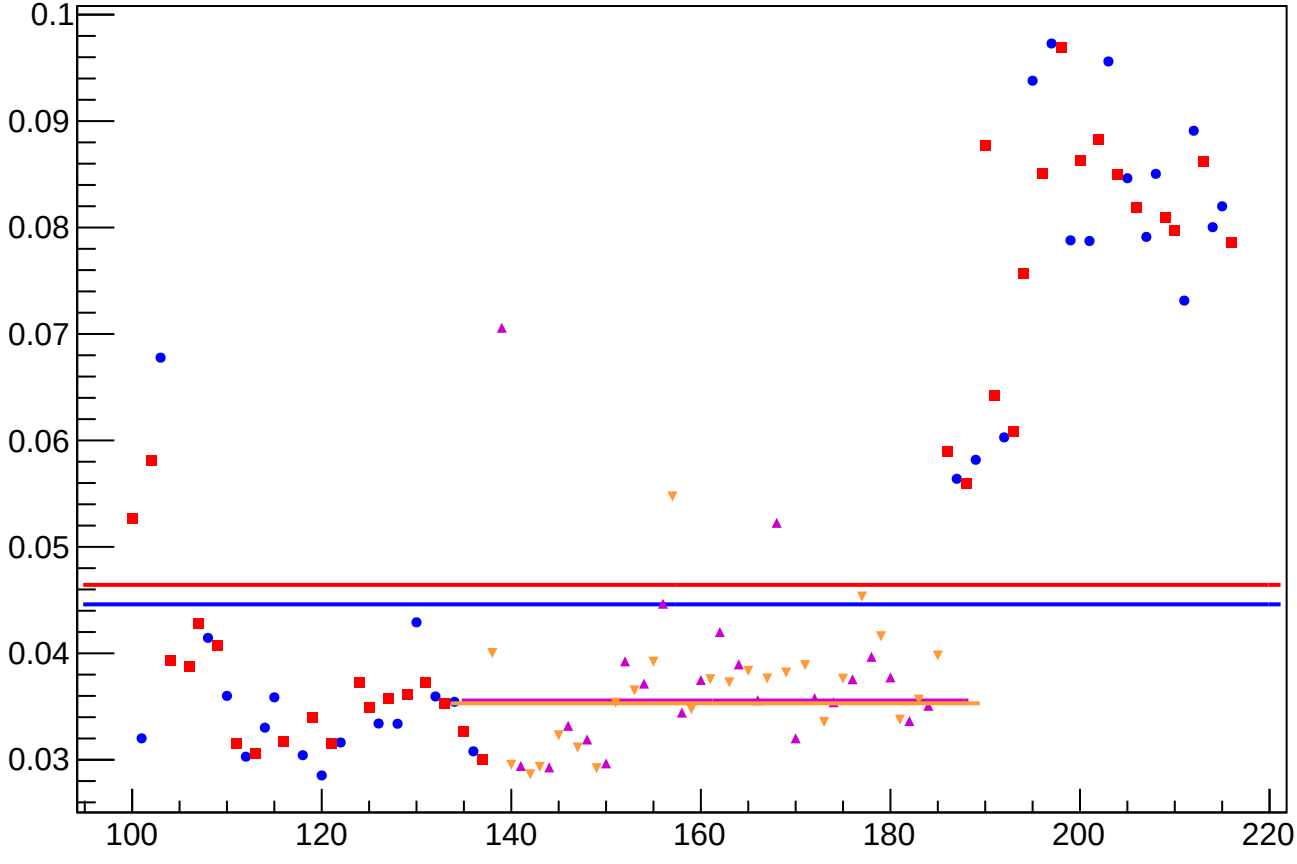
Right: -0.753+/-0.000 χ^2/NDF: 4654322280.9/65

In: -0.222+/-0.000 χ^2/NDF:8830907505.1/53

Out: -0.196+/-0.000 χ^2/NDF:9571867728.7/59

All: -0.209+/-0.000 χ^2/NDF: 18409568825.6/

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: 5484493.4/34

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

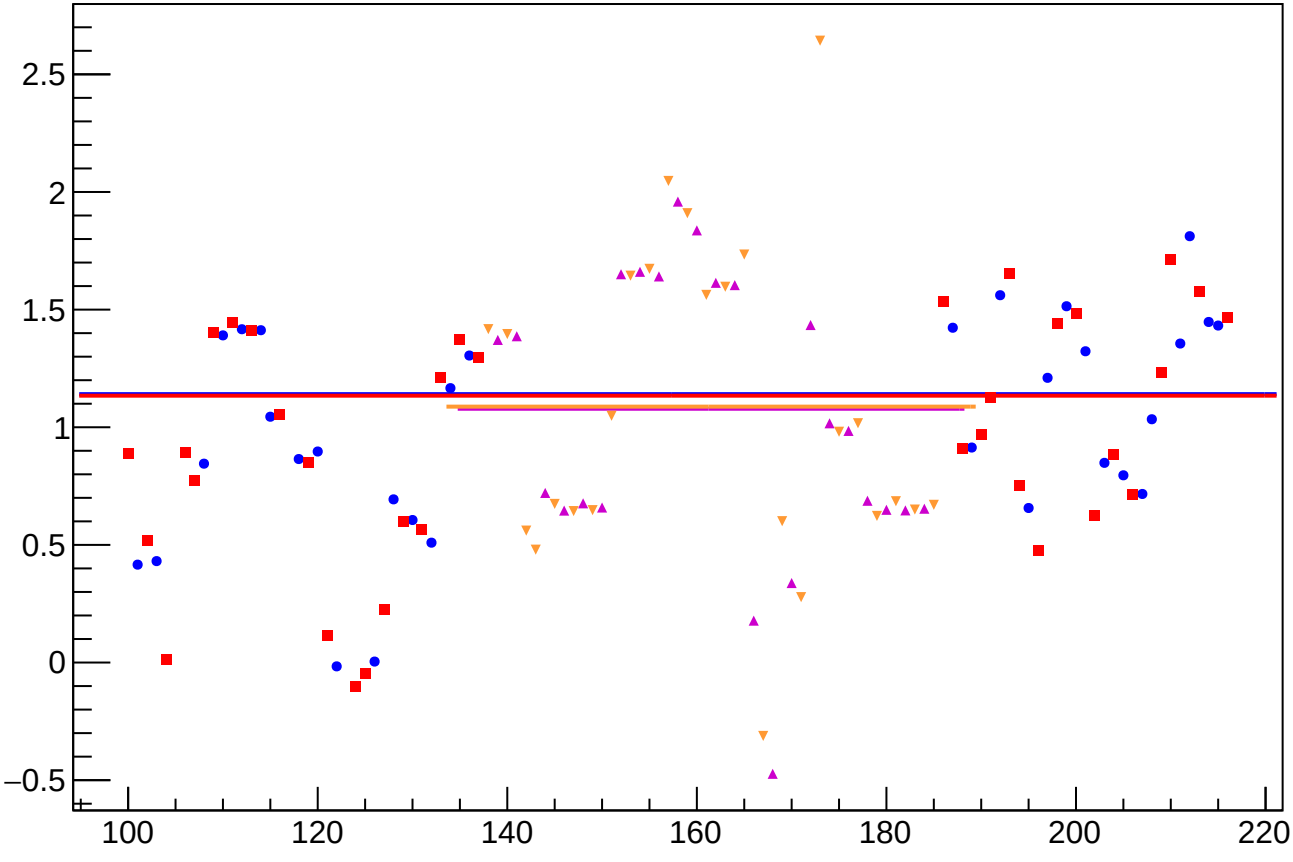
Right: 0.046+/-0.000 χ^2/NDF: 11779934.8/65

In: 0.039+/-0.000 χ^2/NDF:7995898.8/53

Out: 0.039+/-0.000 χ^2/NDF:7255852.4/59

All: 0.039+/-0.000 χ^2/NDF: 15253290.6/113

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: 1.134+/-0.000 χ^2/NDF: 59878671468.5/34

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

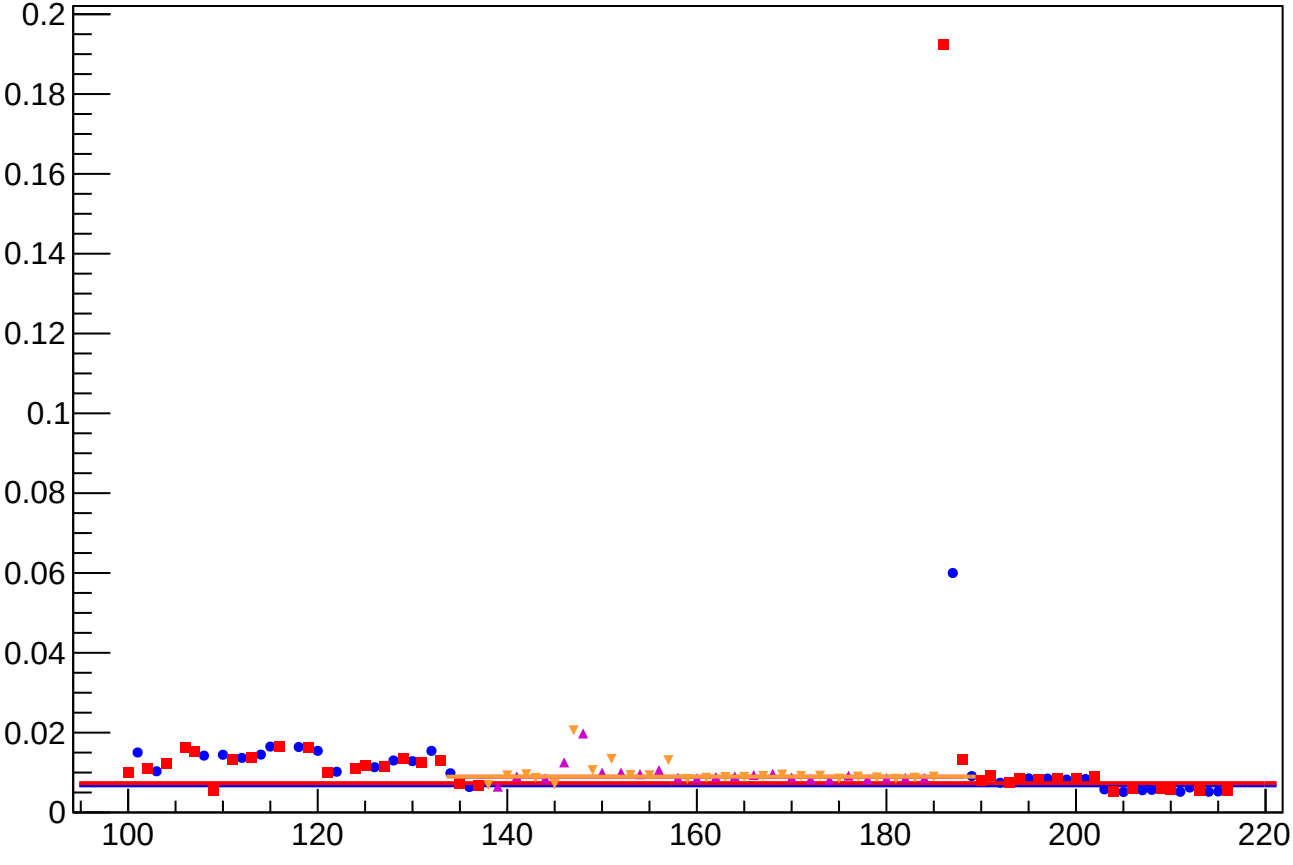
Right: 1.138+/-0.000 χ^2/NDF: 111058692753.2/65

In: 1.117+/-0.000 χ^2/NDF:125758235981.1/53

Out: 1.114+/-0.000 χ^2/NDF:154007167659.3/59

All: 1.116+/-0.000 χ^2/NDF: 279767503605.8

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: 0.007+/-0.000 χ^2/NDF: 4338278.3/34

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

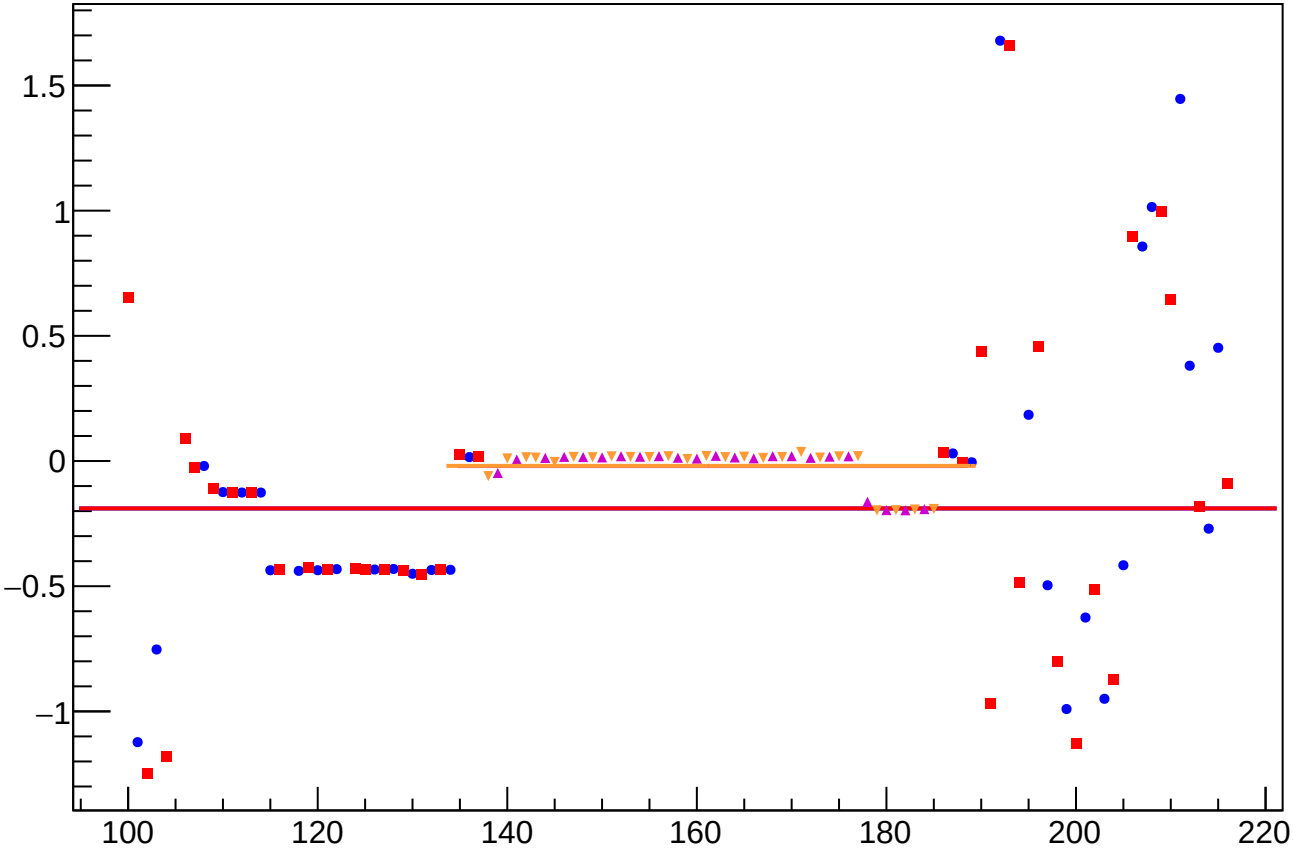
Right: 0.007+/-0.000 χ^2/NDF: 8613611.2/65

In: 0.008+/-0.000 χ^2/NDF:6358164.8/53

Out: 0.008+/-0.000 χ^2/NDF:6164220.0/59

All: 0.008+/-0.000 χ^2/NDF: 12619466.4/113

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: -0.189+/-0.000 χ^2/NDF: 4550152996.1/34

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

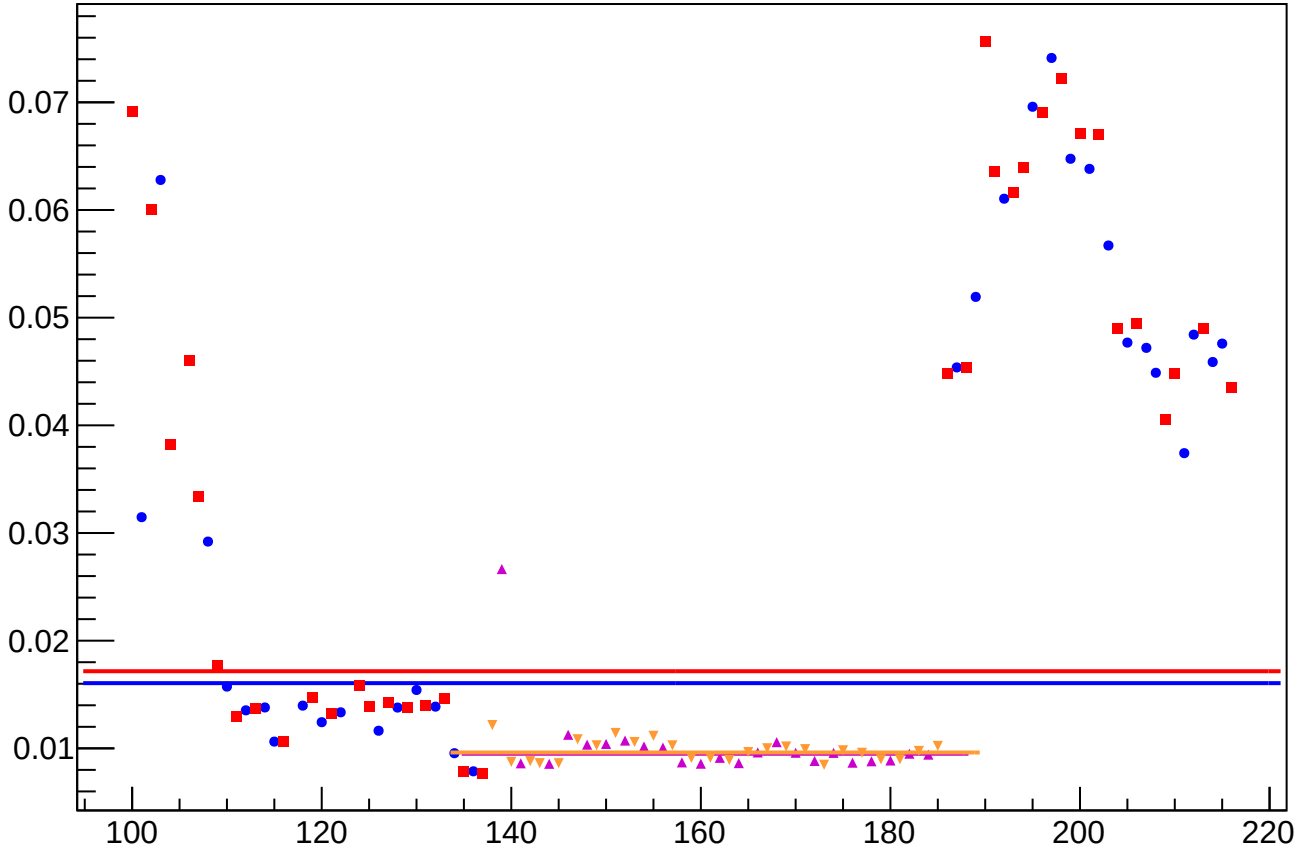
Right: -0.189+/-0.000 χ^2/NDF: 10763814621.7/65

In: -0.052+/-0.000 χ^2/NDF:8124868787.9/53

Out: -0.048+/-0.000 χ^2/NDF:6471261275.0/59

All: -0.050+/-0.000 χ^2/NDF: 14598272540.4/

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: 14550947.8/34

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

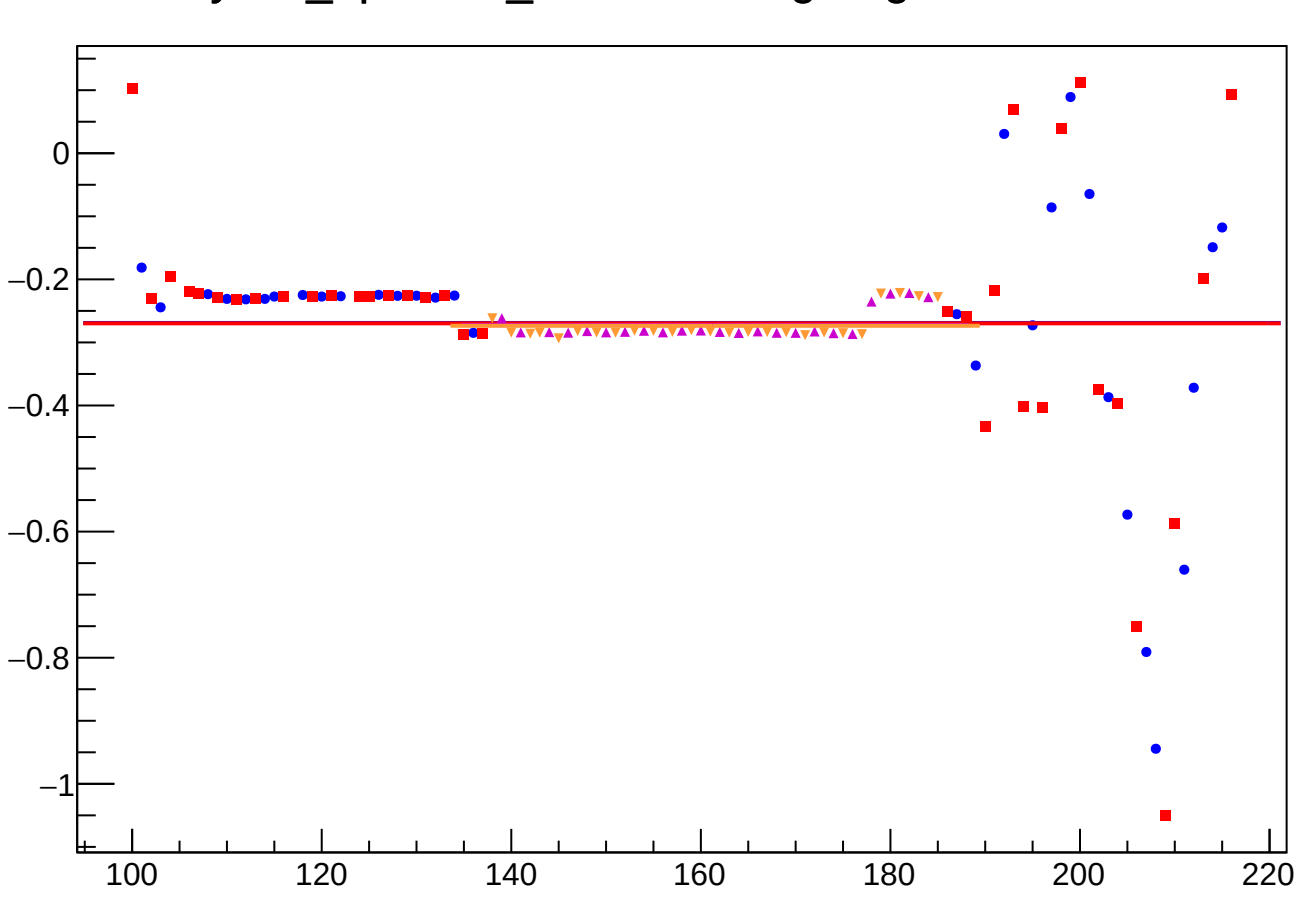
Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

Right: 0.017+/-0.000 χ^2/NDF: 28952185.2/65

In: 0.011+/-0.000 χ^2/NDF:18028583.7/53

Out: 0.011+/-0.000 χ^2/NDF:18230537.7/59

All: 0.011+/-0.000 χ^2/NDF: 36263138.7/113



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: -0.270+/-0.000 χ^2/NDF: 28844754735.2/34

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

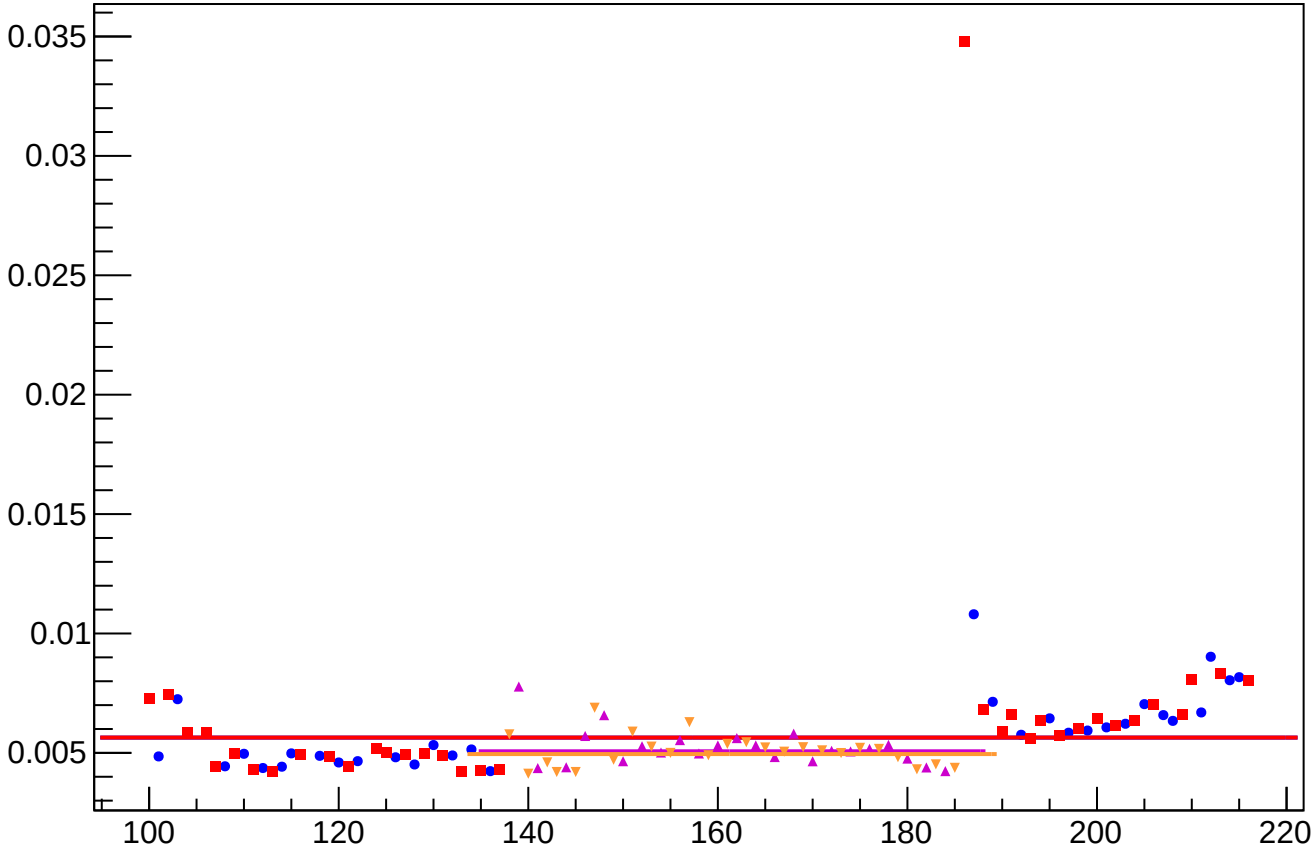
Right: -0.269+/-0.000 χ^2/NDF: 56362180740.6/65

In: -0.271+/-0.000 χ^2/NDF:27856097292.2/53

Out: -0.272+/-0.000 χ^2/NDF:29244856242.3/59

All: -0.271+/-0.000 χ^2/NDF: 57101390168.9/

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: 1947932.5/34

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

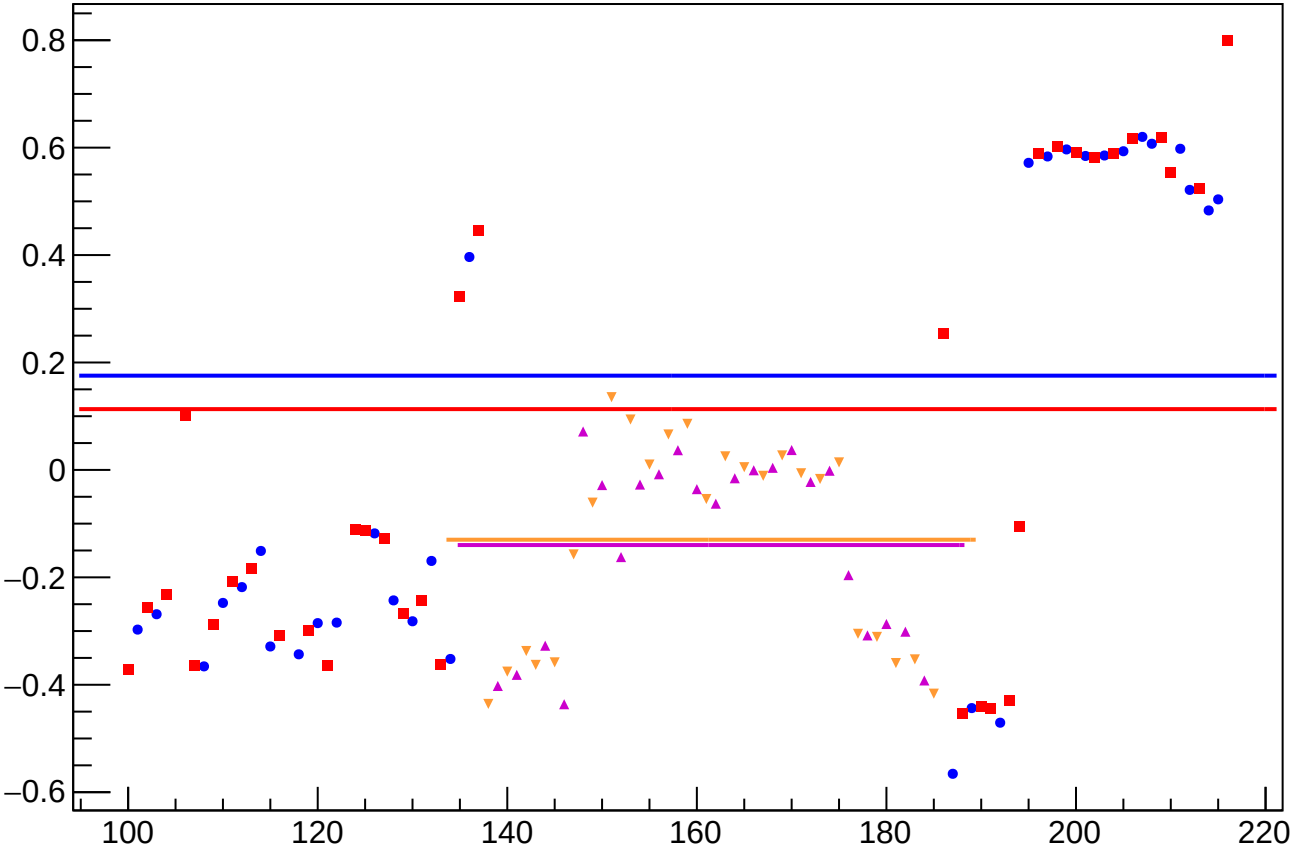
Right: 0.006+/-0.000 χ^2/NDF: 3454988.8/65

In: 0.005+/-0.000 χ^2/NDF:2242726.8/53

Out: 0.005+/-0.000 χ^2/NDF:2778886.4/59

All: 0.005+/-0.000 χ^2/NDF: 5028978.9/113

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: 0.113+/-0.000 χ^2/NDF: 78009870191.4/34

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

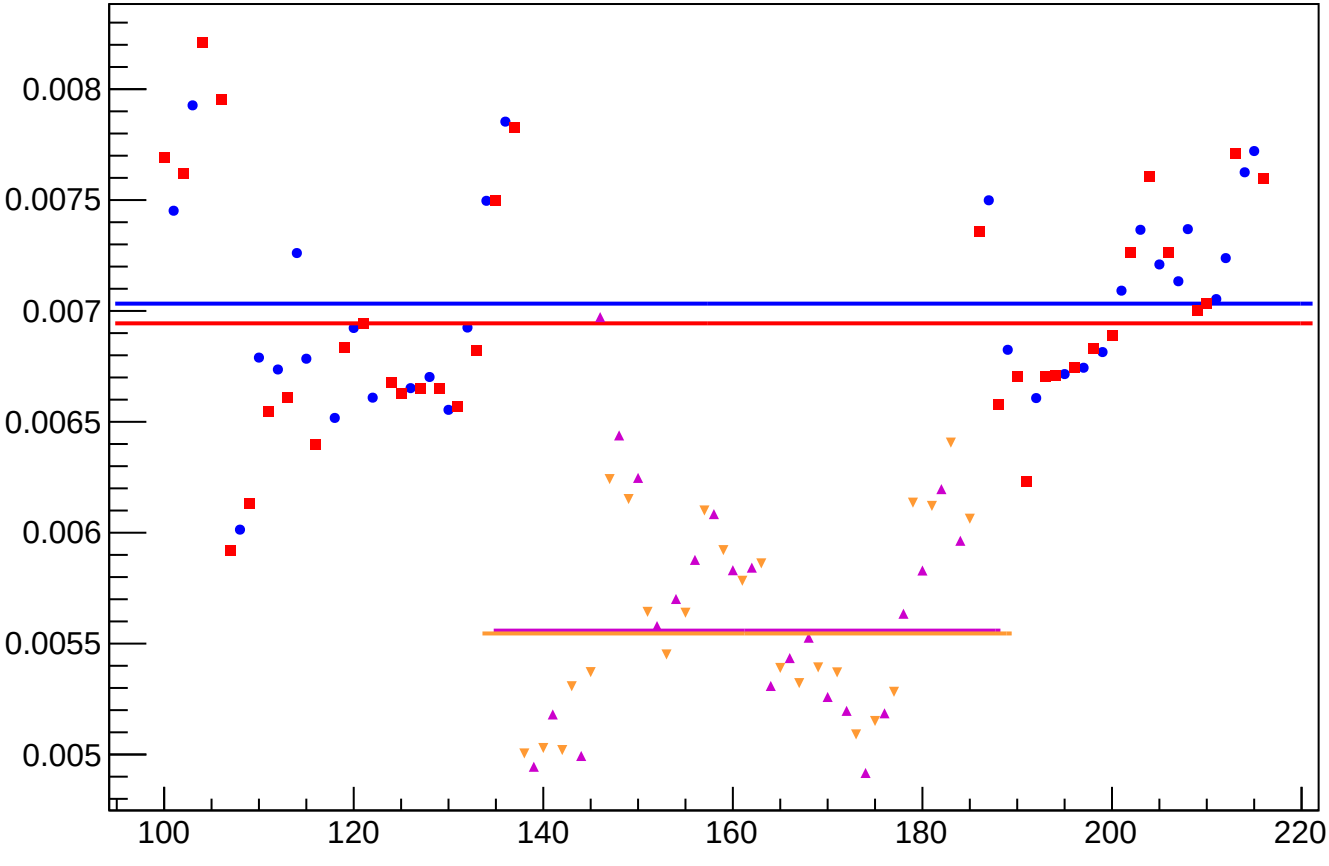
Right: 0.144+/-0.000 χ^2/NDF: 153203801720.3/65

In: -0.012+/-0.000 χ^2/NDF:112168934660.6/53

Out: -0.032+/-0.000 χ^2/NDF:113654296830.9/59

All: -0.022+/-0.000 χ^2/NDF: 226028723887.6

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: 173236.6/34

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

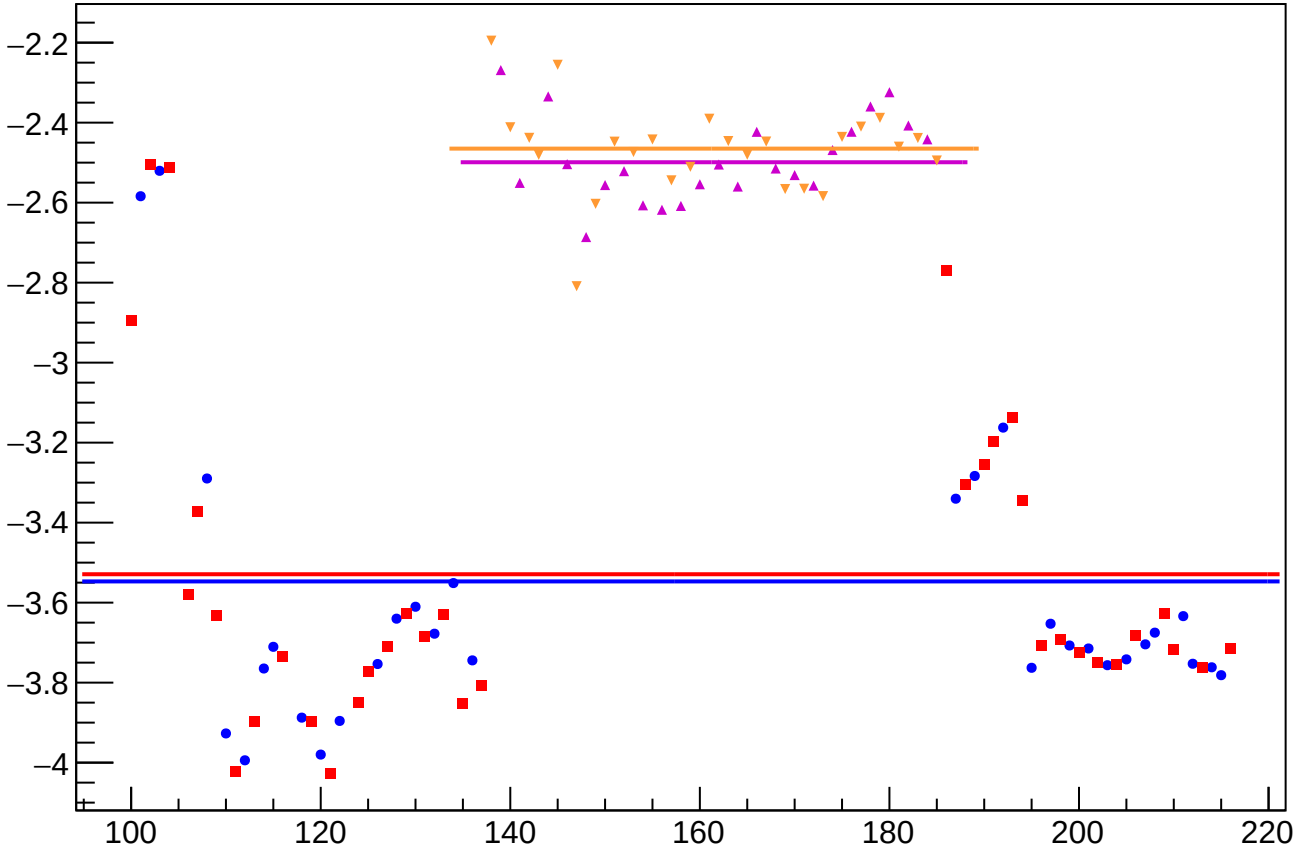
Right: 0.007+/-0.000 χ^2/NDF: 318488.7/65

In: 0.006+/-0.000 χ^2/NDF:1390573.4/53

Out: 0.006+/-0.000 χ^2/NDF:1311176.3/59

All: 0.006+/-0.000 χ^2/NDF: 2704230.9/113

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: -3.529+/-0.000 χ^2/NDF: 35362812763.7/34

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

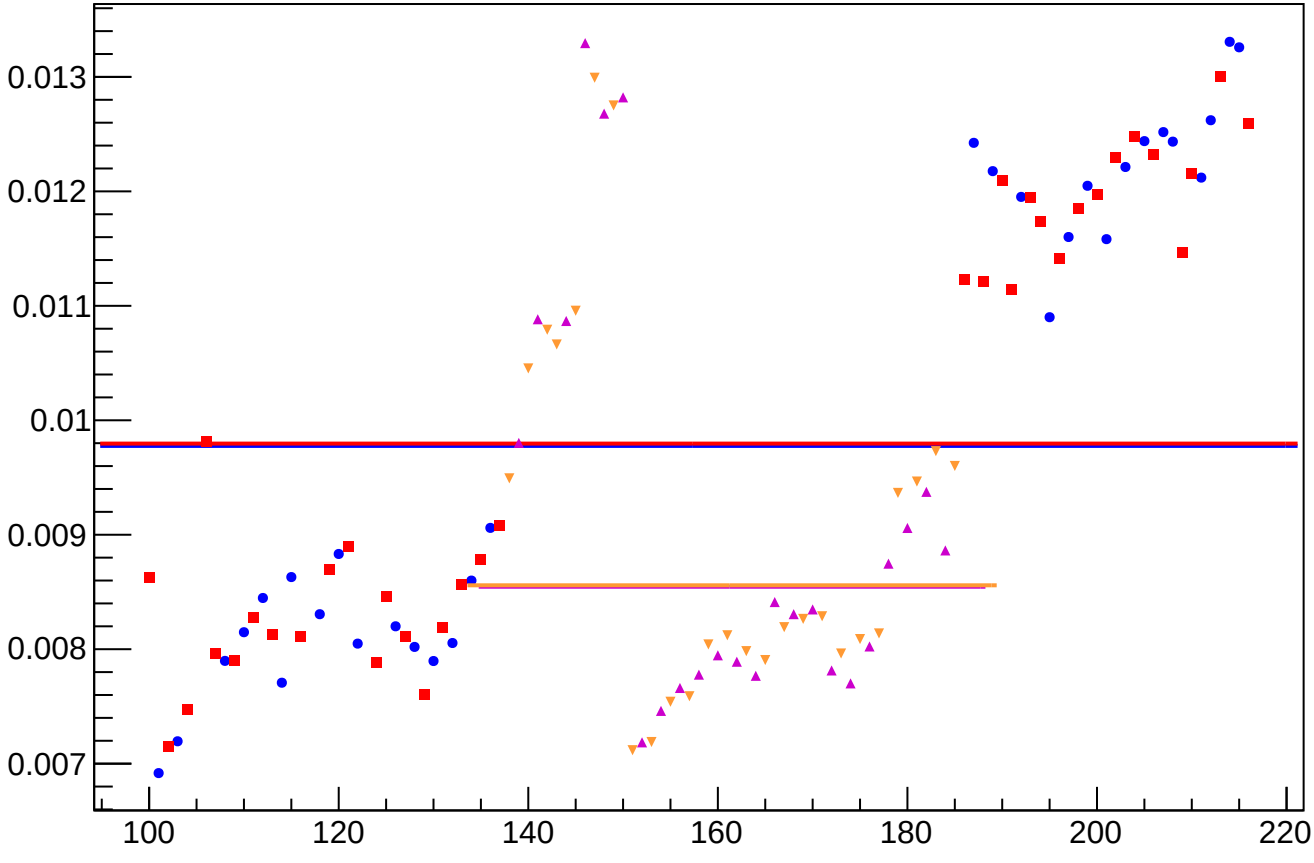
Right: -3.538+/-0.000 χ^2/NDF: 69067178749.0/65

In: -2.967+/-0.000 χ^2/NDF:150578831689.1/53

Out: -2.931+/-0.000 χ^2/NDF:160007338478.7/59

All: -2.949+/-0.000 χ^2/NDF: 310853622162.3

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: 1506895.4/34

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

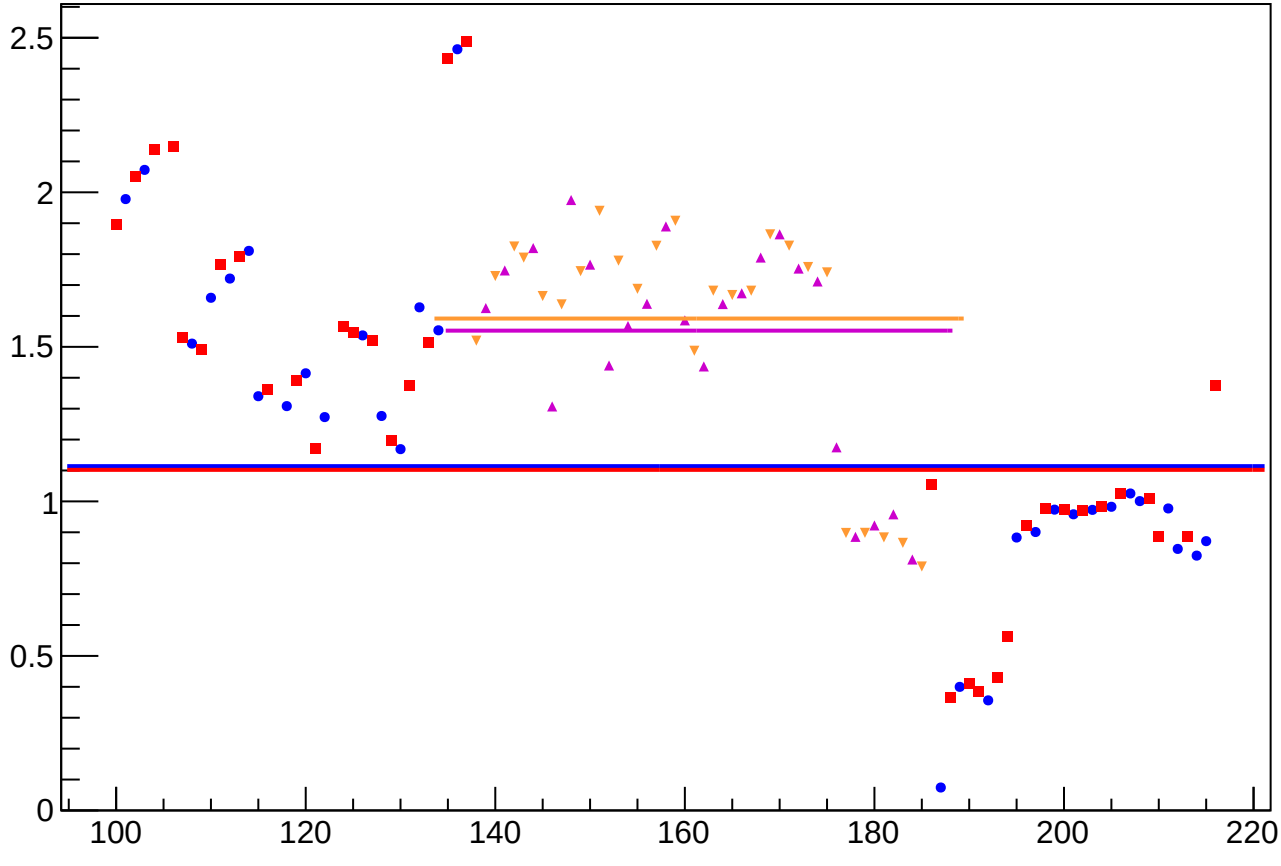
Right: 0.010+/-0.000 χ^2/NDF: 3248866.1/65

In: 0.009+/-0.000 χ^2/NDF:2968667.3/53

Out: 0.009+/-0.000 χ^2/NDF:2662510.6/59

All: 0.009+/-0.000 χ^2/NDF: 5631194.0/113

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: 1.102+/-0.000 χ^2/NDF: 35184677887.7/34

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

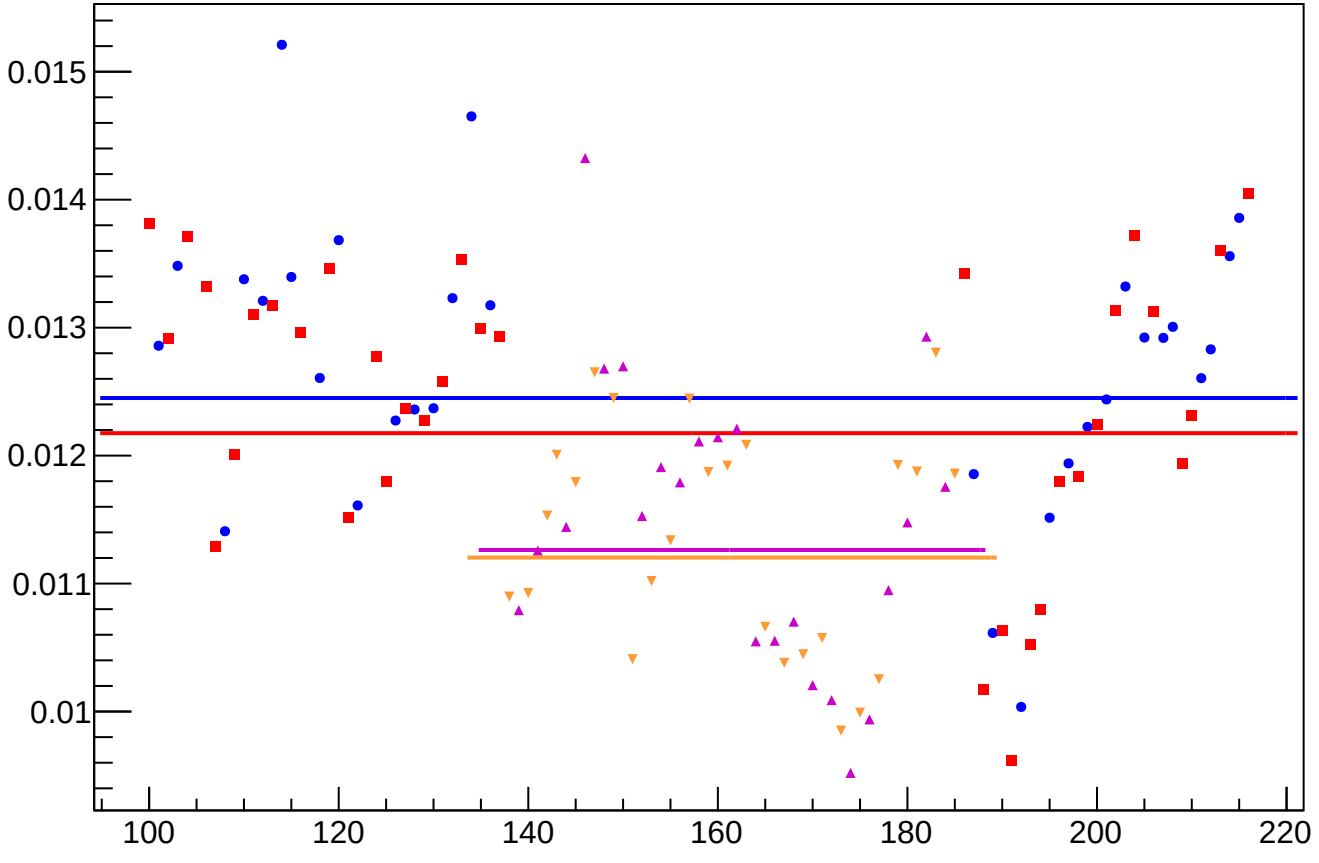
Right: 1.108+/-0.000 χ^2/NDF: 65915749535.2/65

In: 1.347+/-0.000 χ^2/NDF:57110577975.9/53

Out: 1.363+/-0.000 χ^2/NDF:68710531422.2/59

All: 1.355+/-0.000 χ^2/NDF: 125857816122.6

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: 352272.2/34

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

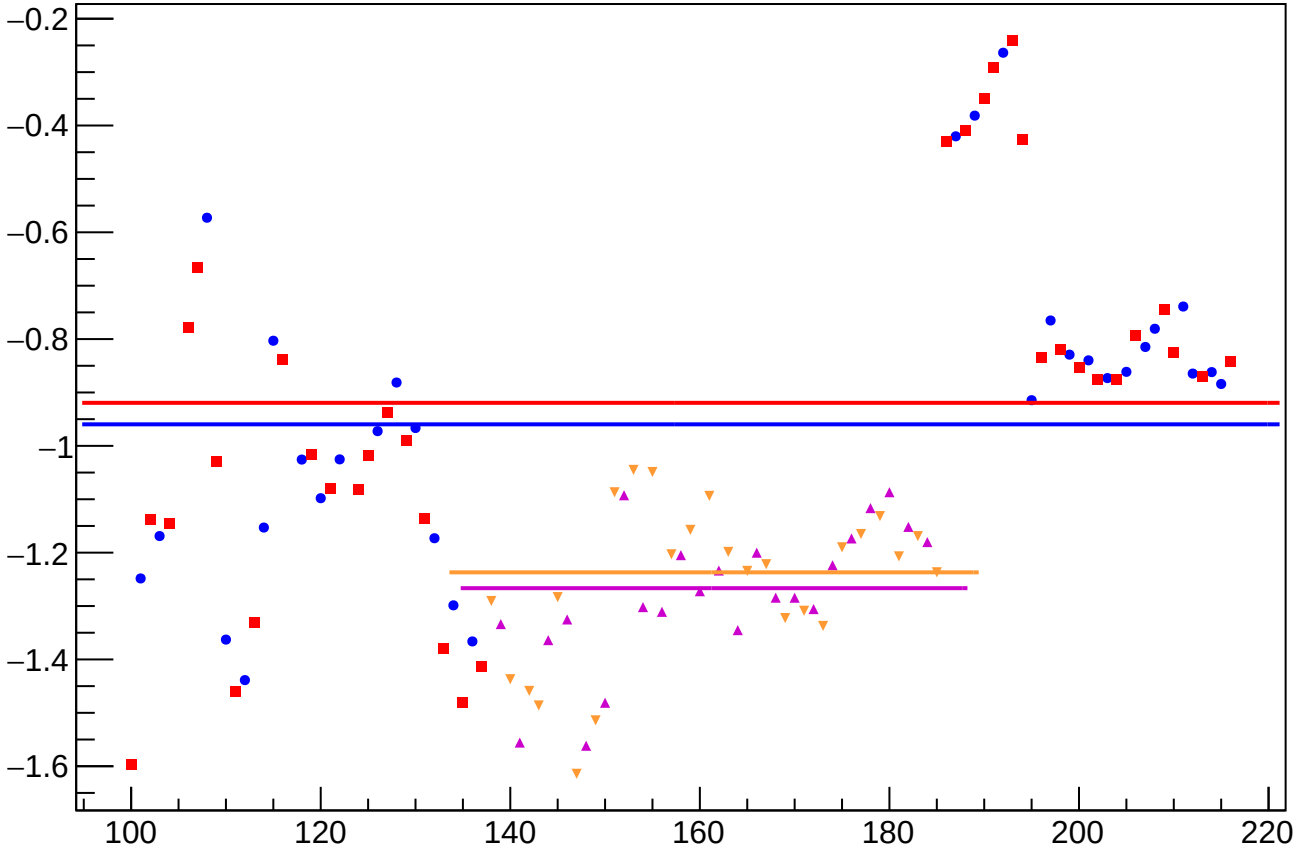
Right: 0.012+/-0.000 χ^2/NDF: 632526.2/65

In: 0.012+/-0.000 χ^2/NDF:763577.3/53

Out: 0.012+/-0.000 χ^2/NDF:705628.5/59

All: 0.012+/-0.000 χ^2/NDF: 1476308.8/113

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.960+/-0.000 χ^2/NDF: 12504655663.6/30

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.919+/-0.000 χ^2/NDF: 16999708456.7/34

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

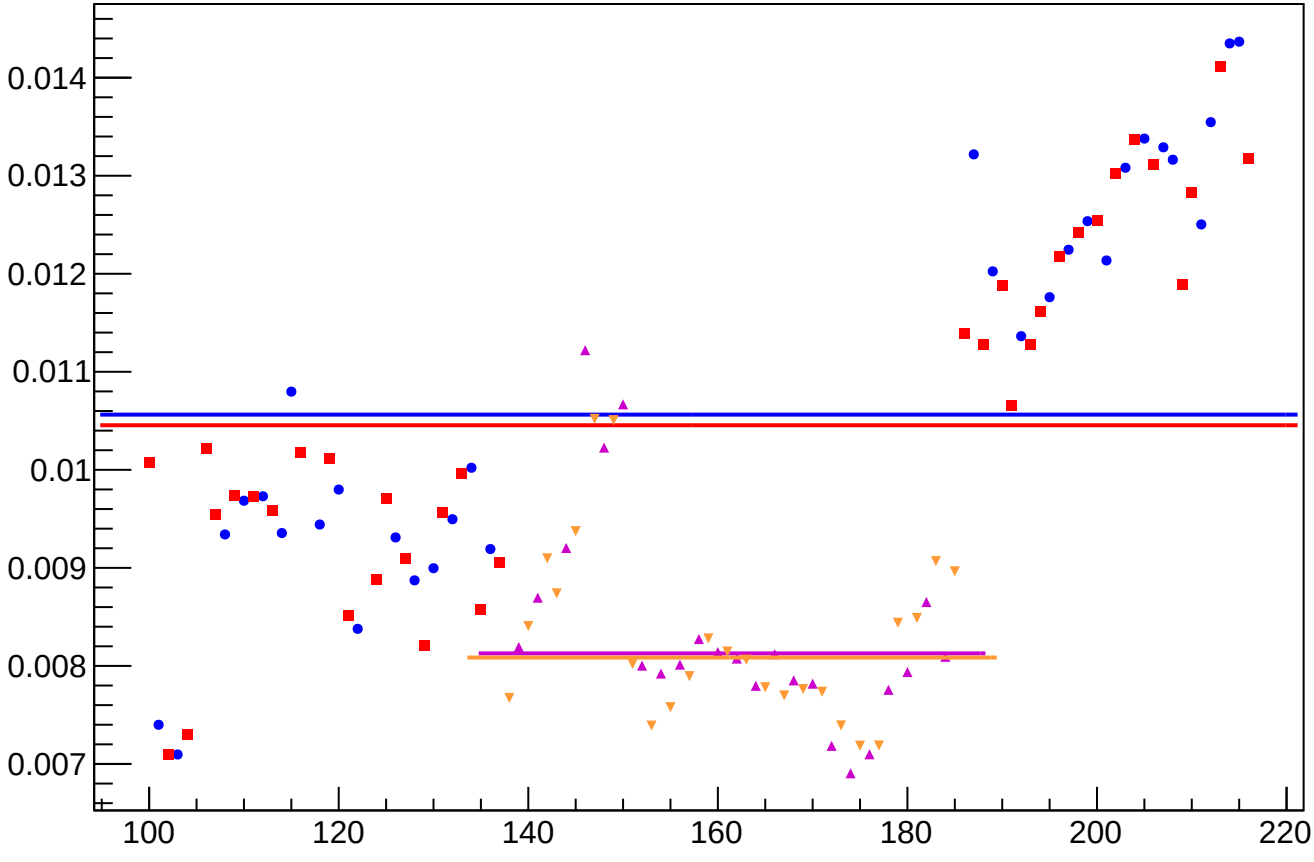
Right: -0.939+/-0.000 χ^2/NDF: 29637626198.1/65

In: -1.149+/-0.000 χ^2/NDF:25522488356.5/53

Out: -1.117+/-0.000 χ^2/NDF:32510851510.4/59

All: -1.132+/-0.000 χ^2/NDF: 58258036228.9/

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: 1348777.9/34

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

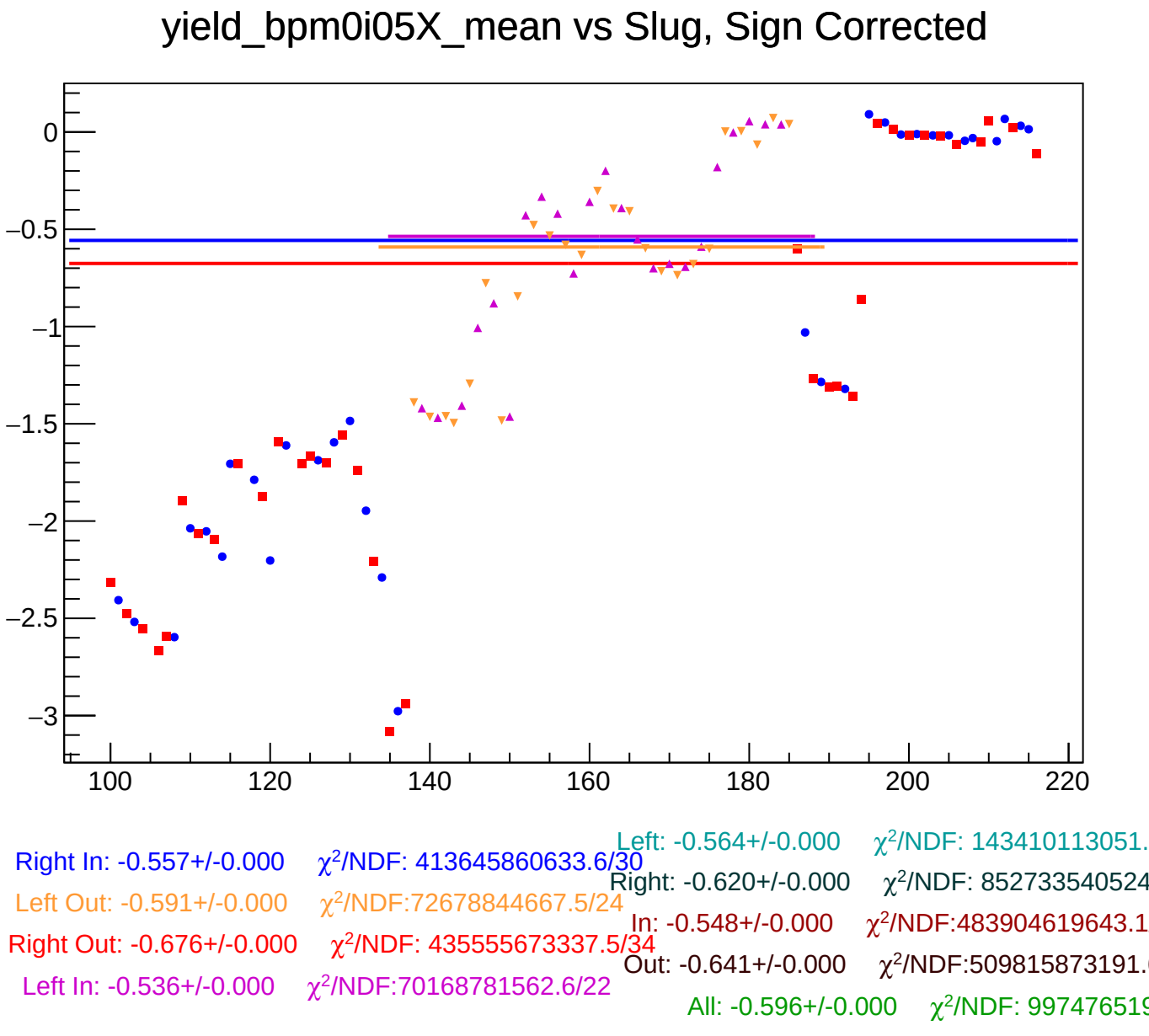
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.011+/-0.000 χ^2/NDF: 2886878.2/65

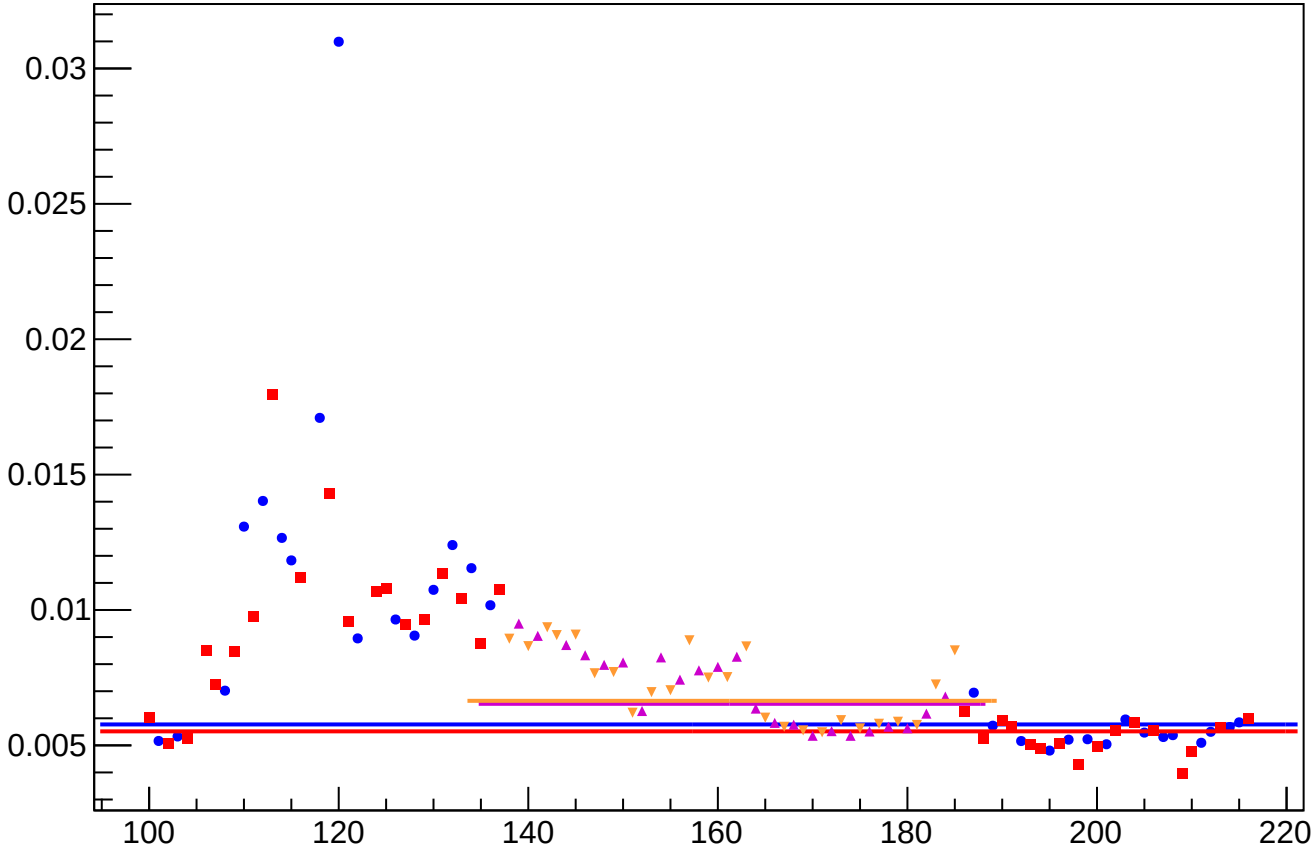
In: 0.009+/-0.000 χ^2/NDF:3122500.5/53

Out: 0.009+/-0.000 χ^2/NDF:2849980.7/59

All: 0.009+/-0.000 χ^2/NDF: 5975136.1/113


yield_bpm0i05X_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
−3
100
120
140
160
180
200
220
Right In: -0.557+/-0.000 χ²/NDF: 413645860633.6/30
Left Out: -0.591+/-0.000 χ²/NDF:72678844667.5/24
Right Out: -0.676+/-0.000 χ²/NDF: 435555673337.5/34
Left In: -0.536+/-0.000 χ²/NDF:70168781562.6/22
Left: -0.564+/-0.000 χ²/NDF: 143410113051.4/47
Right: -0.620+/-0.000 χ²/NDF: 852733540524.1/65
In: -0.548+/-0.000 χ²/NDF:483904619643.1/53
Out: -0.641+/-0.000 χ²/NDF:509815873191.6/59
All: -0.596+/-0.000 χ²/NDF: 997476519525.5

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: 0.006+/-0.000 χ^2/NDF: 2685601.6/34

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

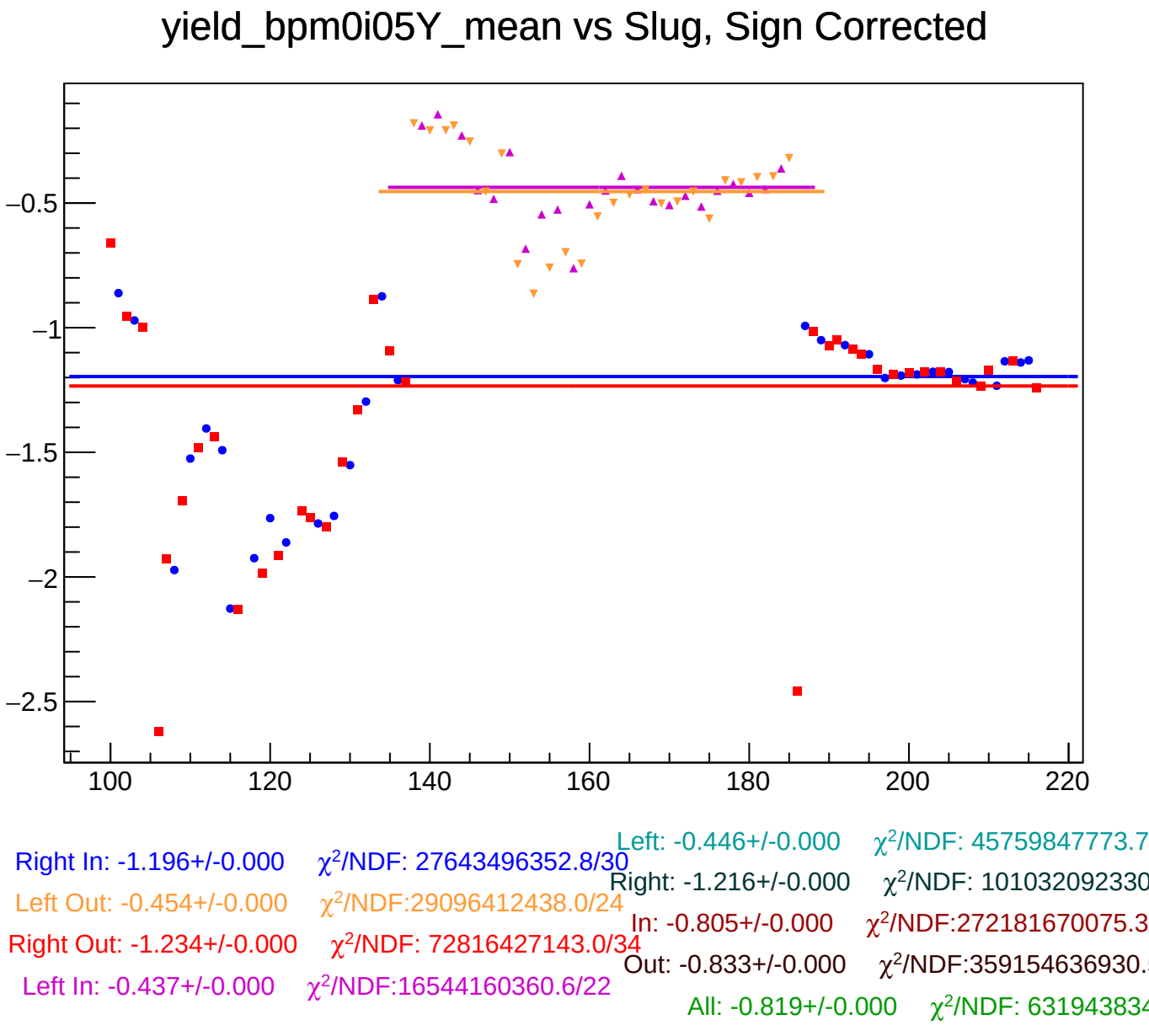
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5260914.4/65

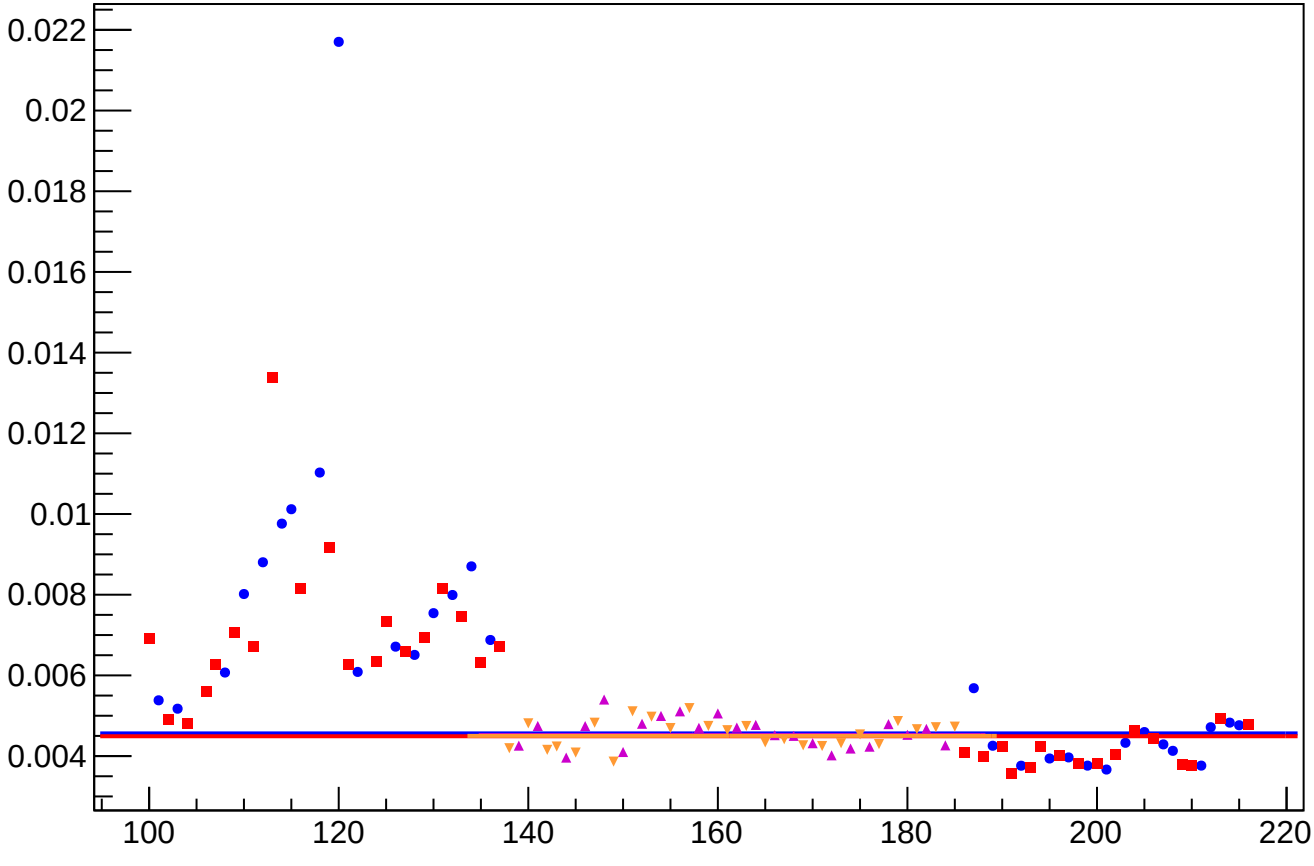
In: 0.006+/-0.000 χ^2/NDF:3935583.9/53

Out: 0.006+/-0.000 χ^2/NDF:4341095.6/59

All: 0.006+/-0.000 χ^2/NDF: 8289436.7/113


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: 72816427143.0/34
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.216+/-0.000 χ²/NDF: 101032092330.0/65
In: -0.805+/-0.000 χ²/NDF:272181670075.3/53
Out: -0.833+/-0.000 χ²/NDF:359154636930.5/59
All: -0.819+/-0.000 χ²/NDF: 631943834458.1

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: 1985421.3/34

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

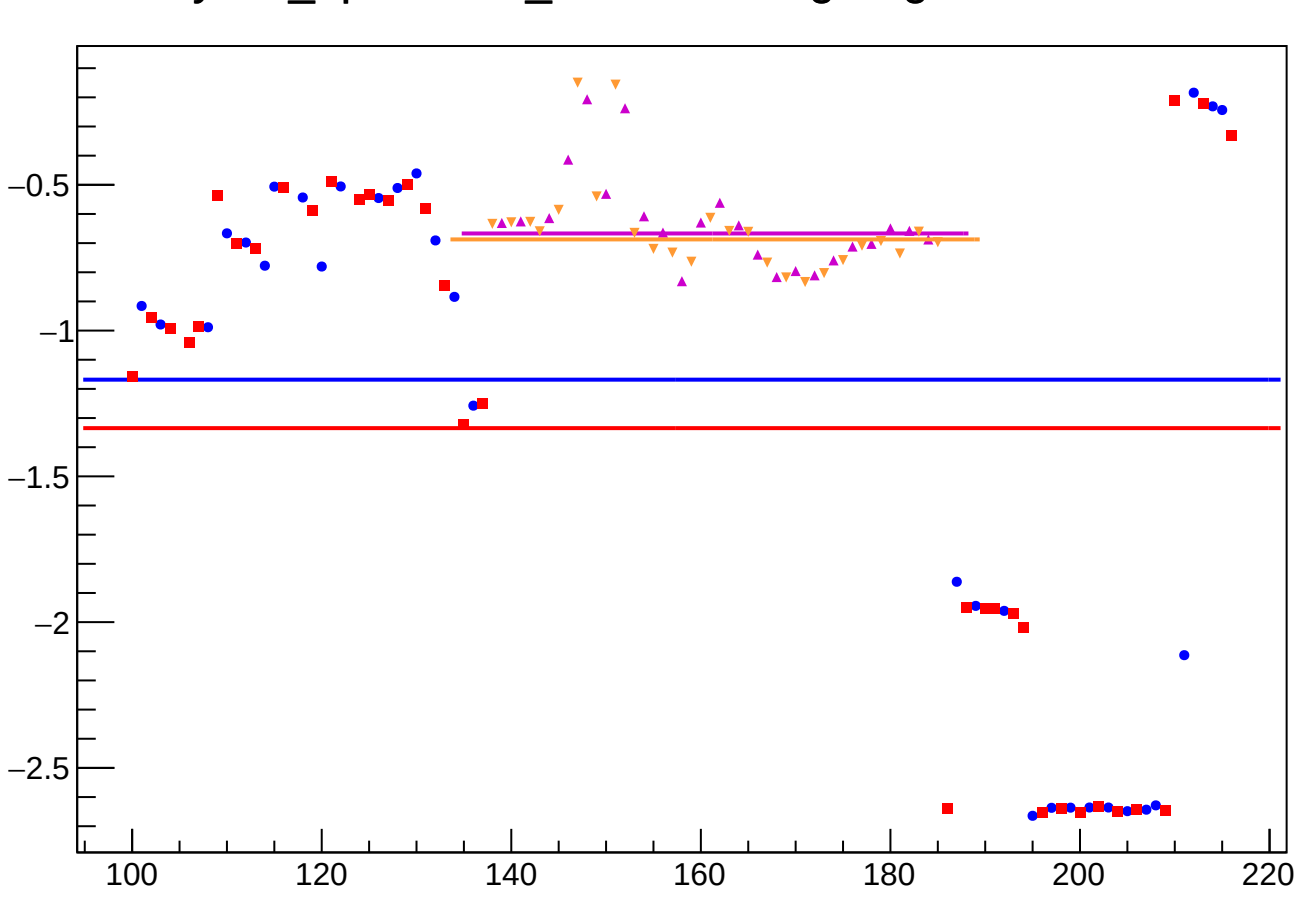
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 4245280.3/65

In: 0.005+/-0.000 χ^2/NDF:2469326.4/53

Out: 0.004+/-0.000 χ^2/NDF:2174727.0/59

All: 0.005+/-0.000 χ^2/NDF: 4647271.3/113



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: -1.335+/-0.000 χ^2/NDF: 701241256114.5/34

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

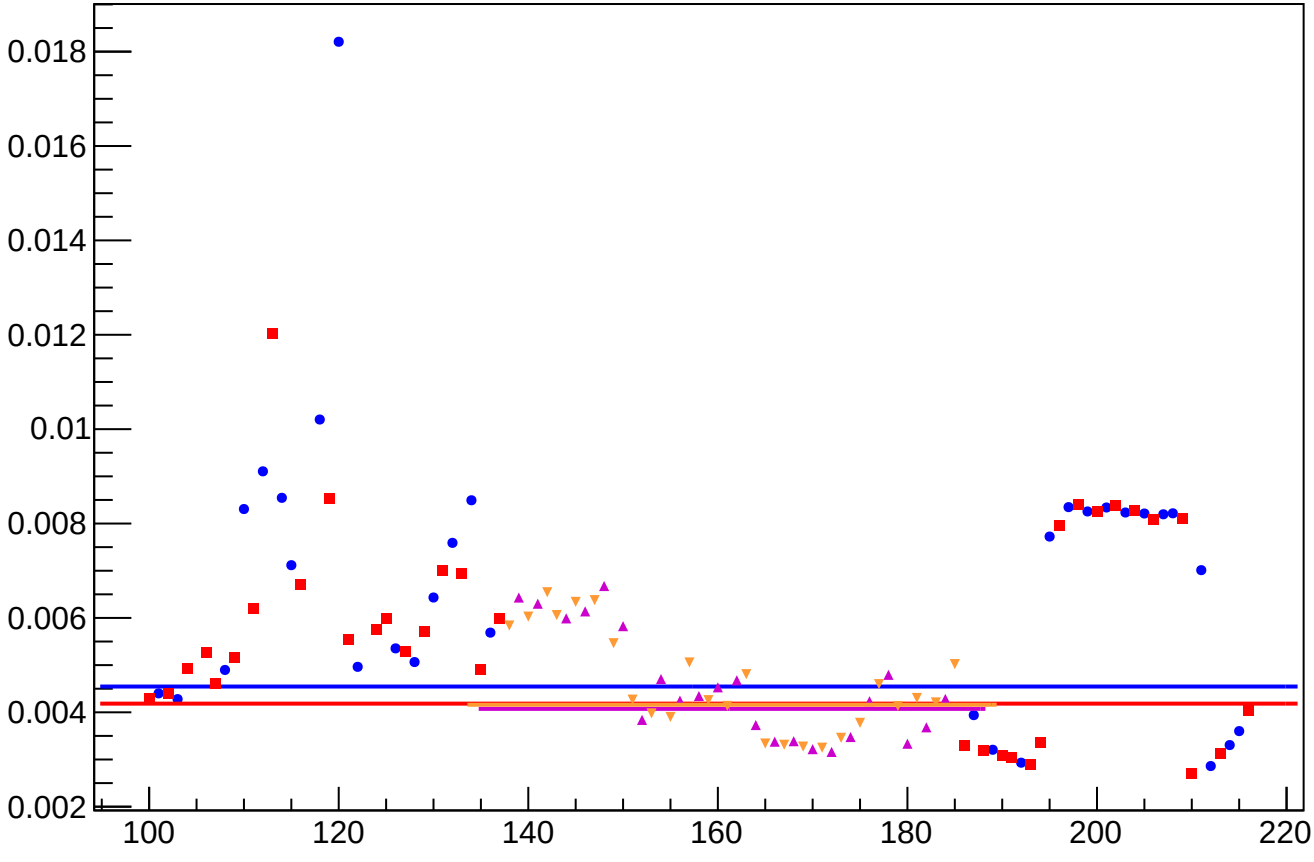
Right: -1.260+/-0.000 χ^2/NDF: 1311823877621.3/6

In: -0.883+/-0.000 χ^2/NDF:725288330794.1/53

Out: -0.996+/-0.000 χ^2/NDF:916670552954.2/59

All: -0.942+/-0.000 χ^2/NDF: 1653221083738

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: 5567070.3/34

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

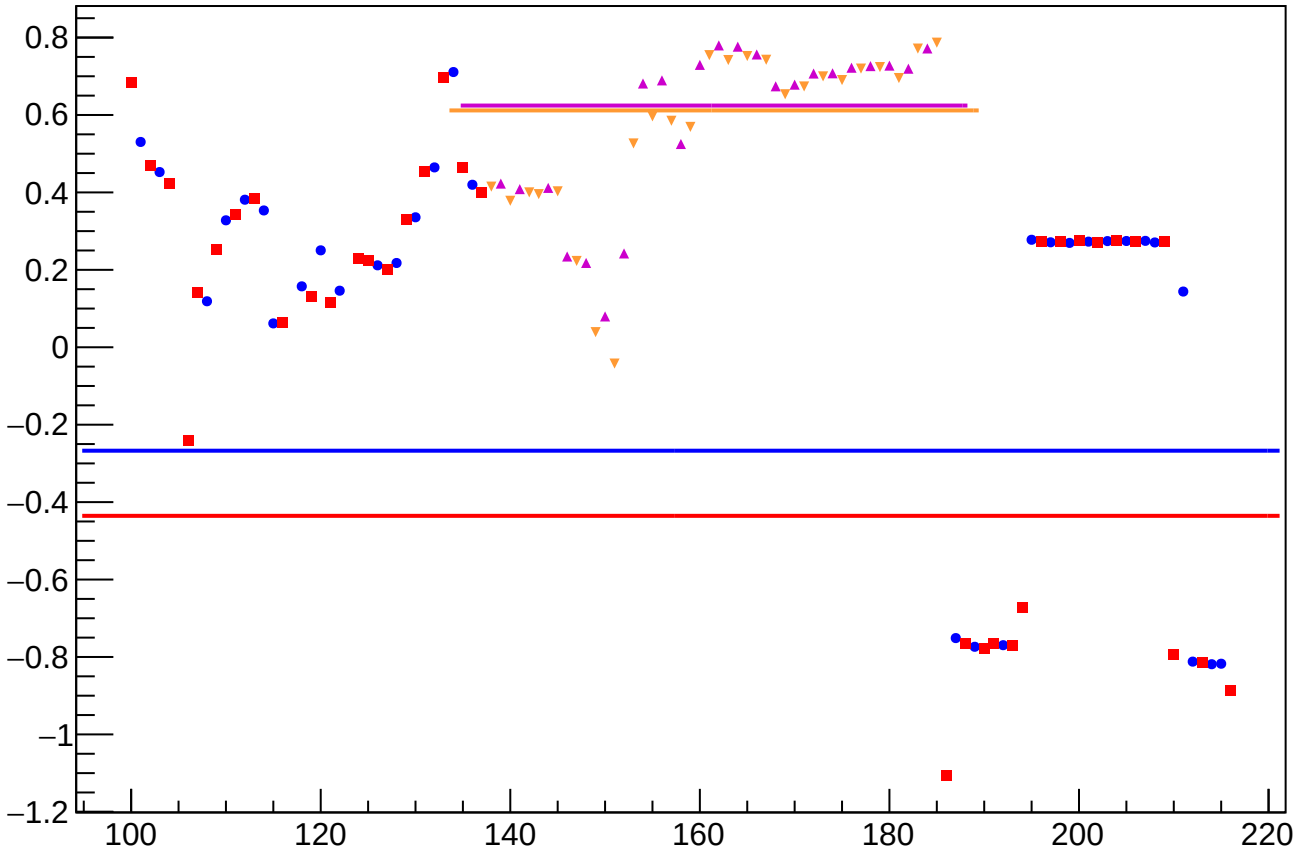
Right: 0.004+/-0.000 χ^2/NDF: 11521696.0/65

In: 0.004+/-0.000 χ^2/NDF:7784703.7/53

Out: 0.004+/-0.000 χ^2/NDF:7087627.6/59

All: 0.004+/-0.000 χ^2/NDF: 14891711.2/113

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: -0.435+/-0.000 χ^2/NDF: 596021558385.7/34

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

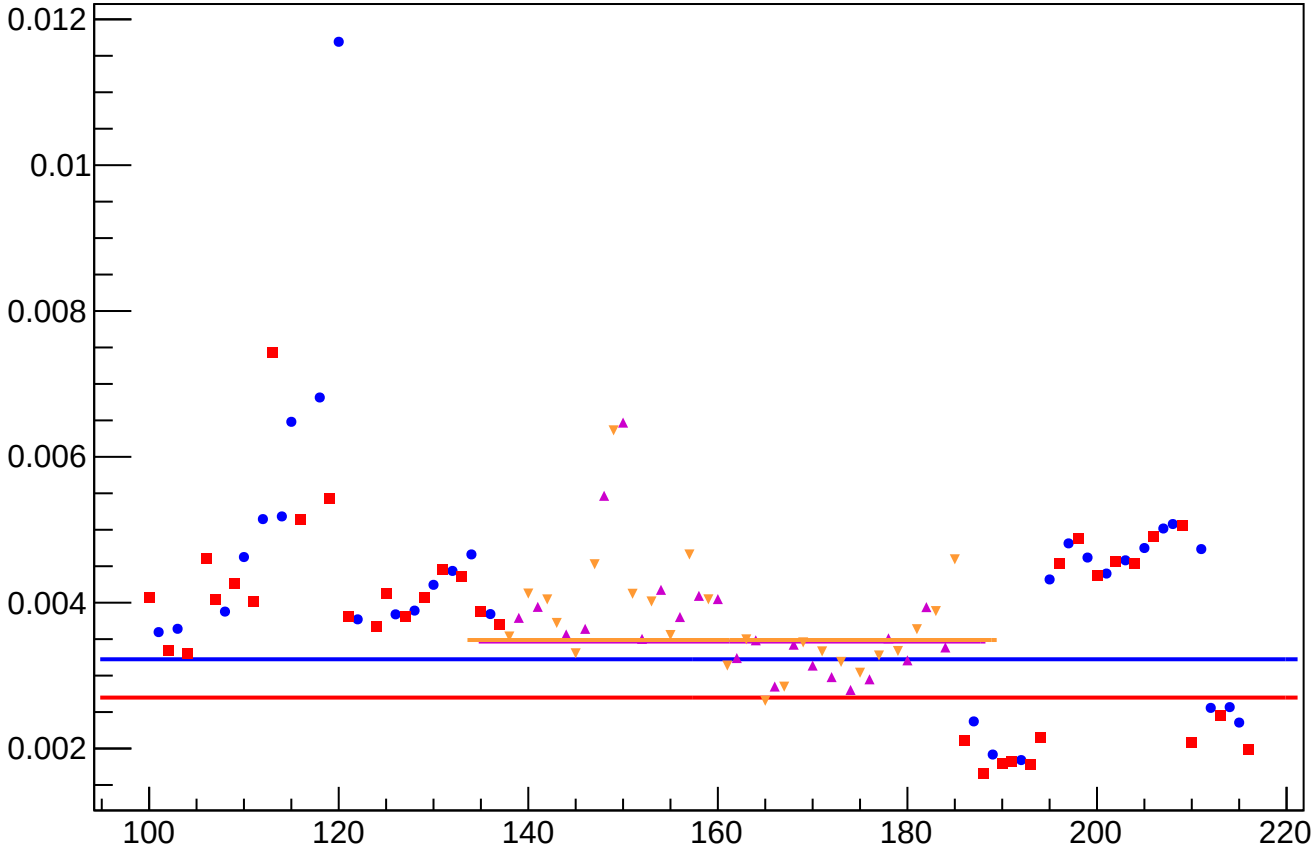
Right: -0.365+/-0.000 χ^2/NDF: 1089446953178.8/6

In: 0.141+/-0.000 χ^2/NDF:1055247535589.7/53

Out: -0.032+/-0.000 χ^2/NDF:1530388819610.4/59

All: 0.045+/-0.000 χ^2/NDF: 2631097063364.

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: 5621530.5/34

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

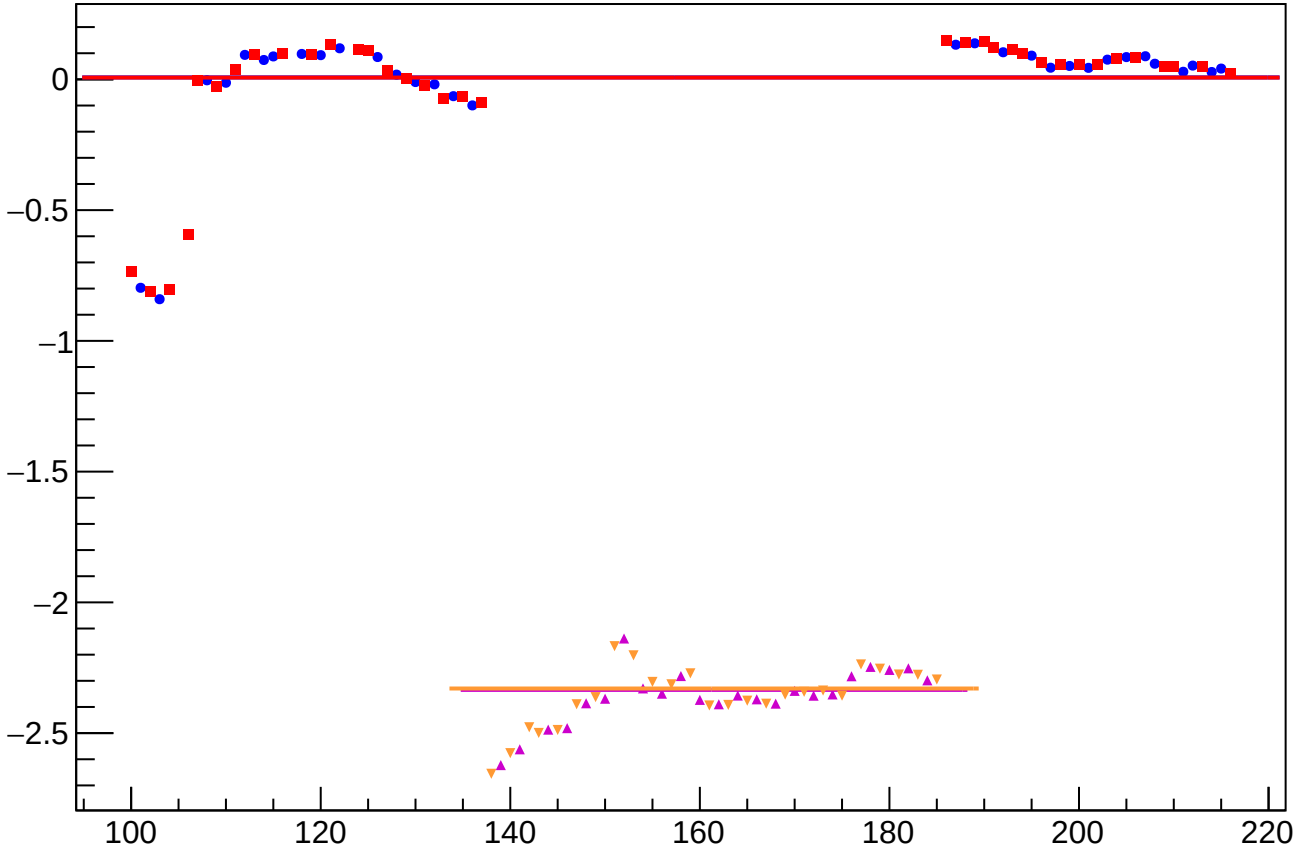
Right: 0.003+/-0.000 χ^2/NDF: 10535905.6/65

In: 0.003+/-0.000 χ^2/NDF:5405993.1/53

Out: 0.003+/-0.000 χ^2/NDF:7482452.6/59

All: 0.003+/-0.000 χ^2/NDF: 13226056.5/113

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: 7838205218.8/34

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

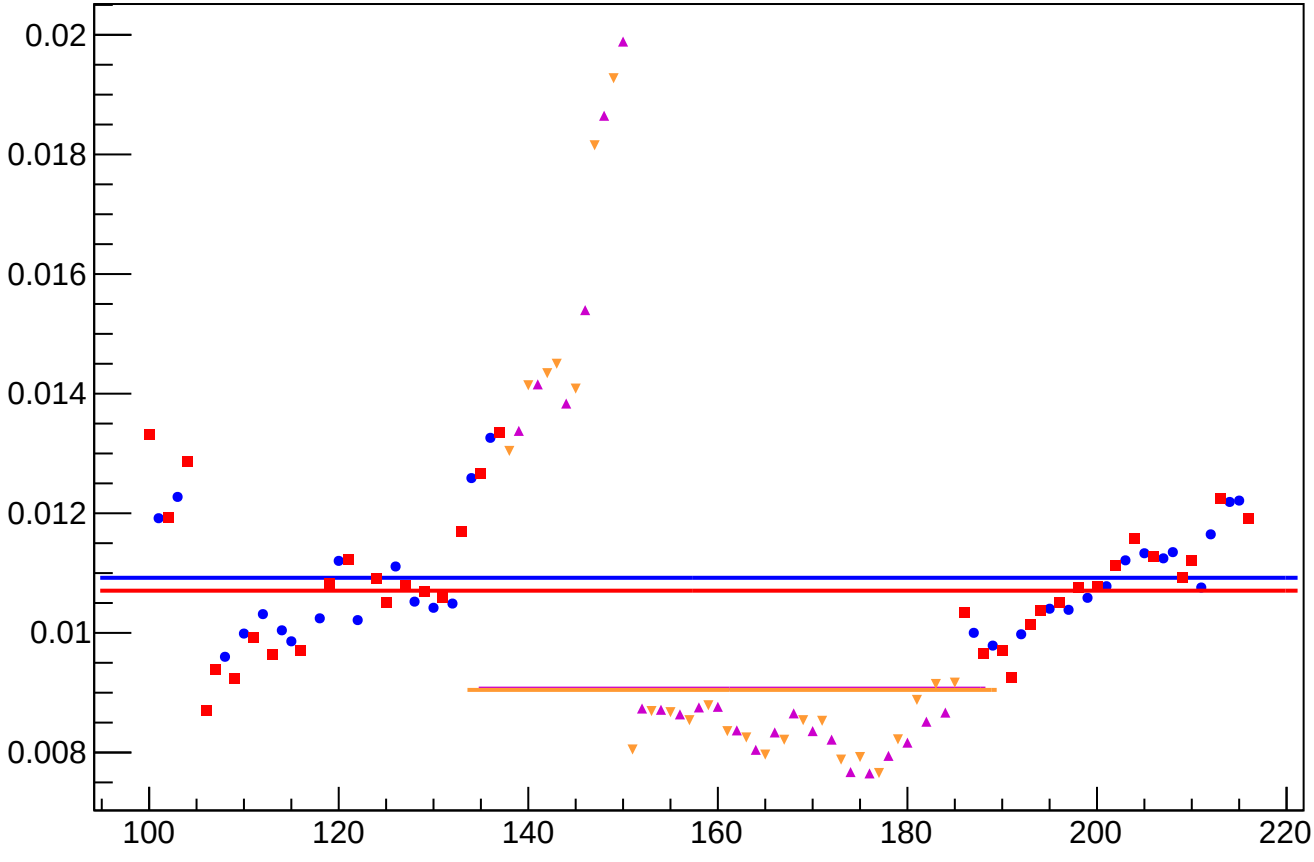
Right: 0.007+/-0.000 χ^2/NDF: 14414764328.9/65

In: -1.320+/-0.000 χ^2/NDF:504191572028.4/53

Out: -1.317+/-0.000 χ^2/NDF:535330321751.5/59

All: -1.318+/-0.000 χ^2/NDF: 1039523424162

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: 306442.5/34

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

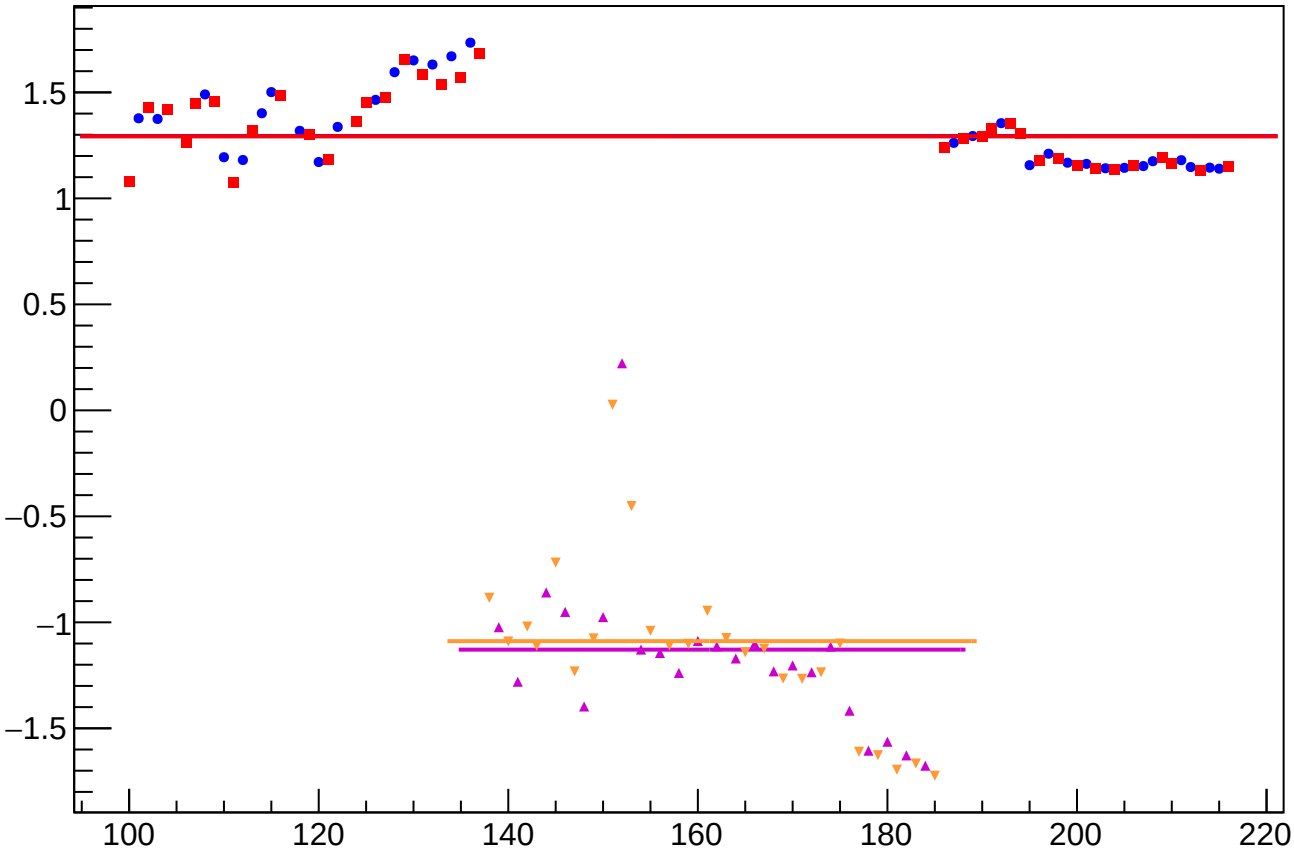
Right: 0.011+/-0.000 χ^2/NDF: 550145.1/65

In: 0.010+/-0.000 χ^2/NDF:2991287.2/53

Out: 0.010+/-0.000 χ^2/NDF:2885061.1/59

All: 0.010+/-0.000 χ^2/NDF: 5880558.9/113

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: 1.293+/-0.000 χ^2/NDF: 7325774857.0/34

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

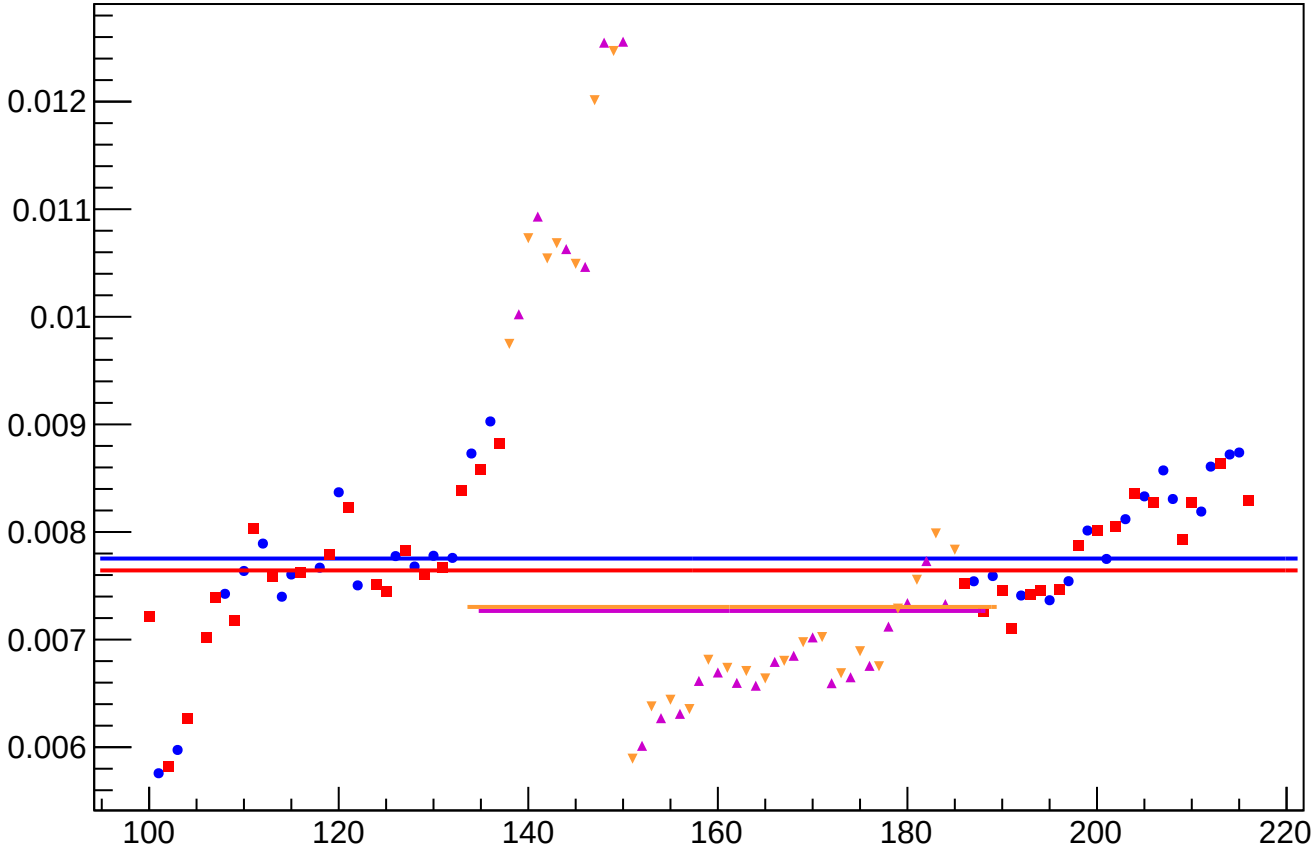
Right: 1.293+/-0.000 χ^2/NDF: 16819334703.7/65

In: 0.053+/-0.000 χ^2/NDF:1015695128928.3/53

Out: 0.081+/-0.000 χ^2/NDF:1033257467074.7/59

All: 0.067+/-0.000 χ^2/NDF: 2049201132303.

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: 312054.2/34

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

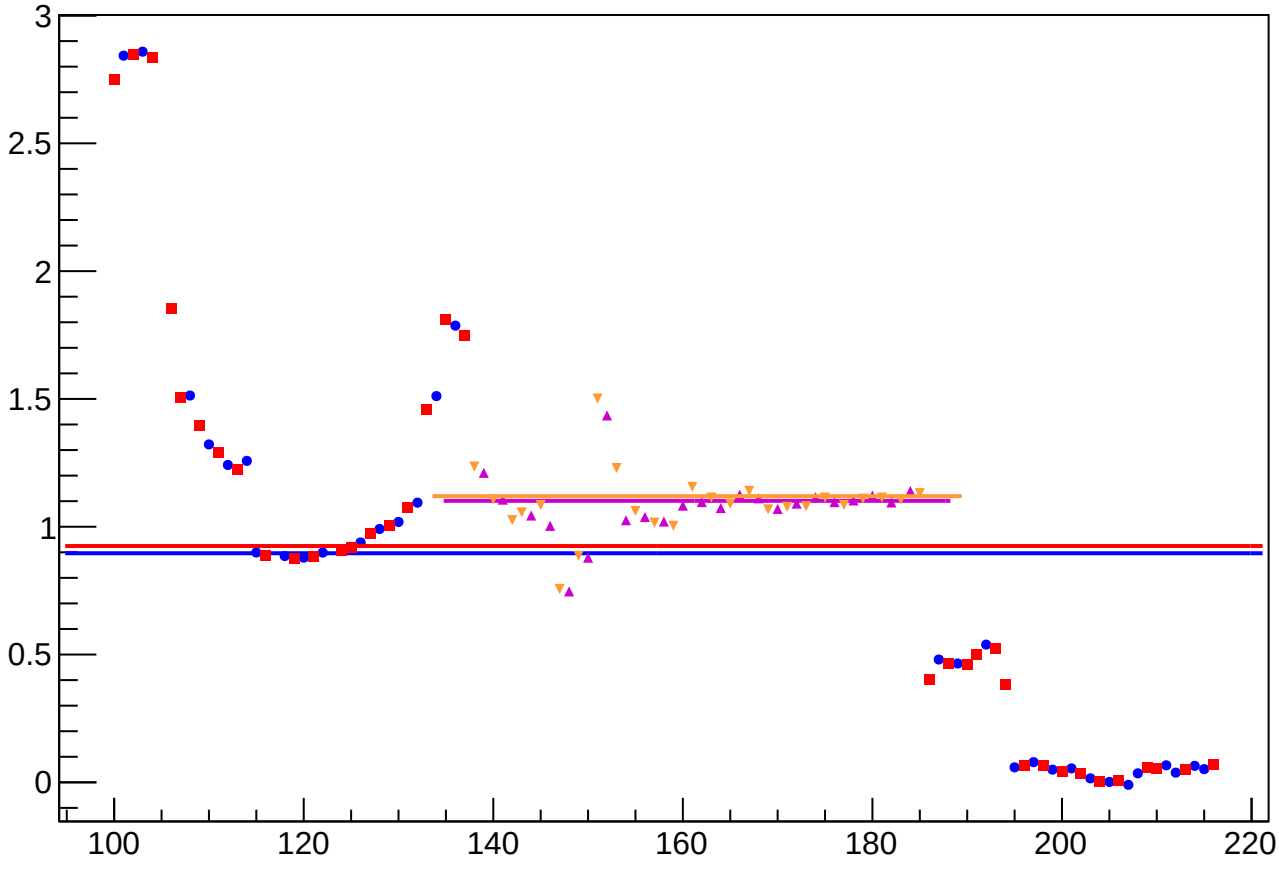
Right: 0.008+/-0.000 χ^2/NDF: 744301.7/65

In: 0.008+/-0.000 χ^2/NDF:2064967.1/53

Out: 0.007+/-0.000 χ^2/NDF:1855331.2/59

All: 0.007+/-0.000 χ^2/NDF: 3921052.8/113

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: 0.925+/-0.000 χ^2/NDF: 150931819937.5/34

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

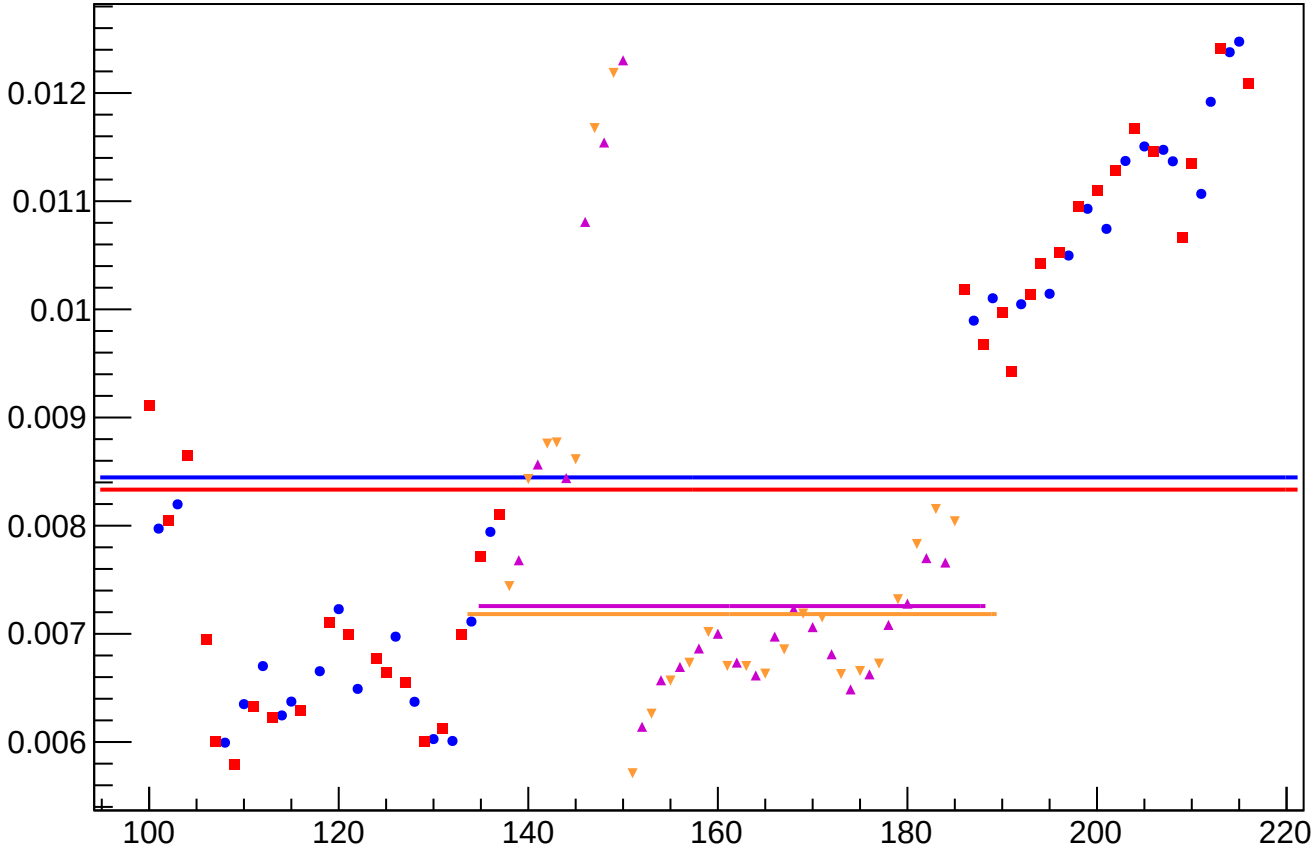
Right: 0.911+/-0.000 χ^2/NDF: 308376756045.4/65

In: 1.013+/-0.000 χ^2/NDF:167567729917.4/53

Out: 1.037+/-0.000 χ^2/NDF:162248083771.1/59

All: 1.025+/-0.000 χ^2/NDF: 329982708884.4

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: 2452102.5/34

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

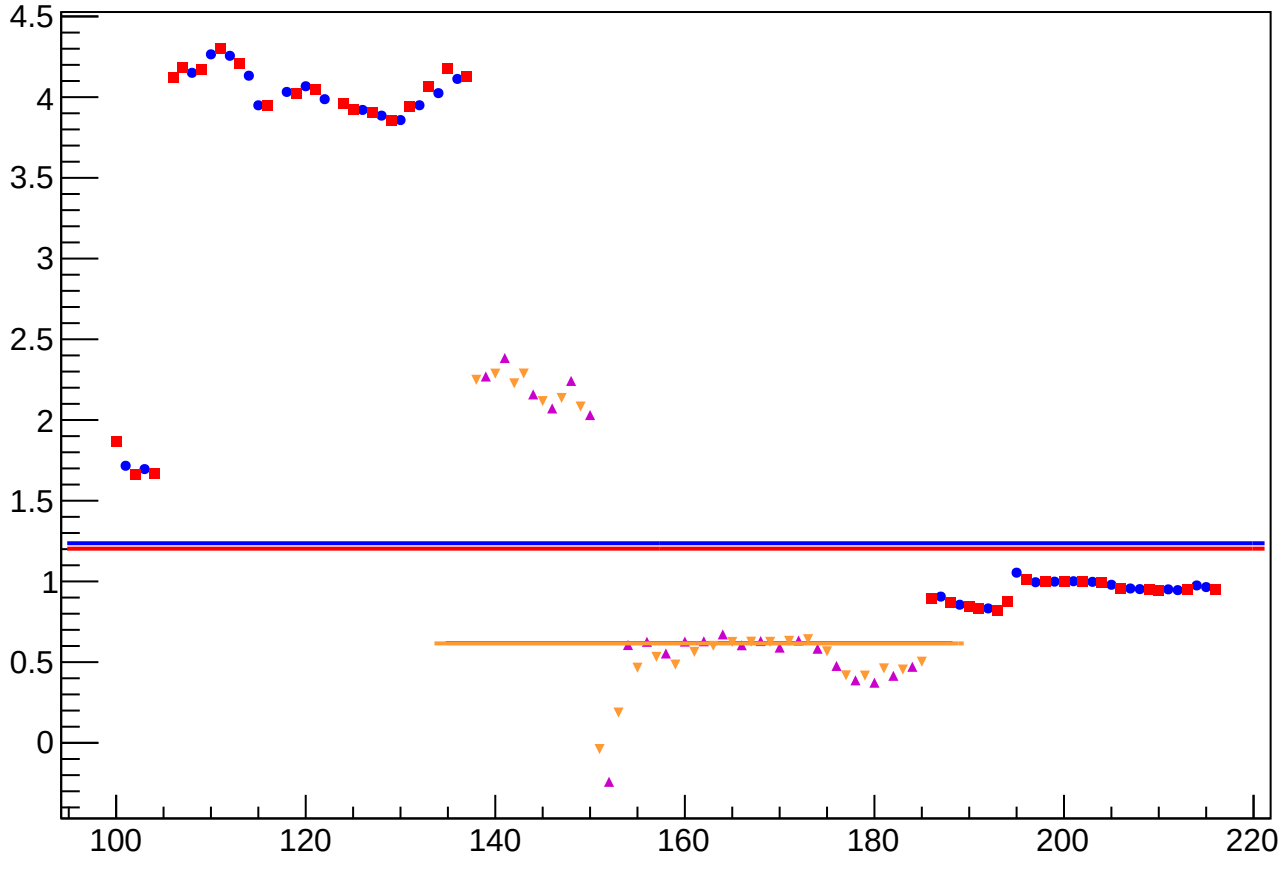
Right: 0.008+/-0.000 χ^2/NDF: 4897170.4/65

In: 0.008+/-0.000 χ^2/NDF:3763768.3/53

Out: 0.008+/-0.000 χ^2/NDF:3749390.7/59

All: 0.008+/-0.000 χ^2/NDF: 7518759.4/113

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: 1.203+/-0.000 χ^2/NDF: 1797401344278.2/34

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

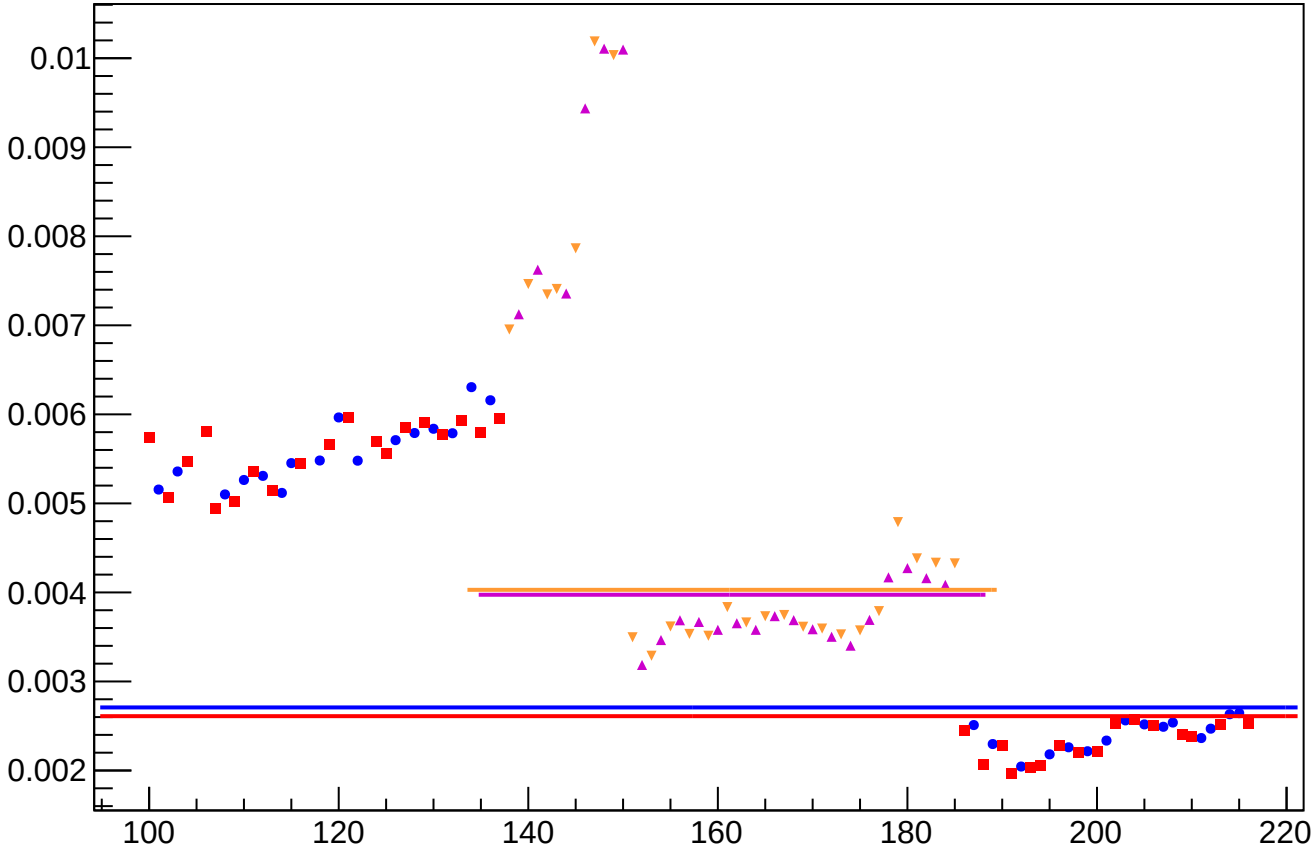
Right: 1.219+/-0.000 χ^2/NDF: 3436503571957.3/65

In: 1.040+/-0.000 χ^2/NDF:2159613852579.0/53

Out: 1.024+/-0.000 χ^2/NDF:2302385235470.7/59

All: 1.032+/-0.000 χ^2/NDF: 4462401484811.

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: 4714198.2/34

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

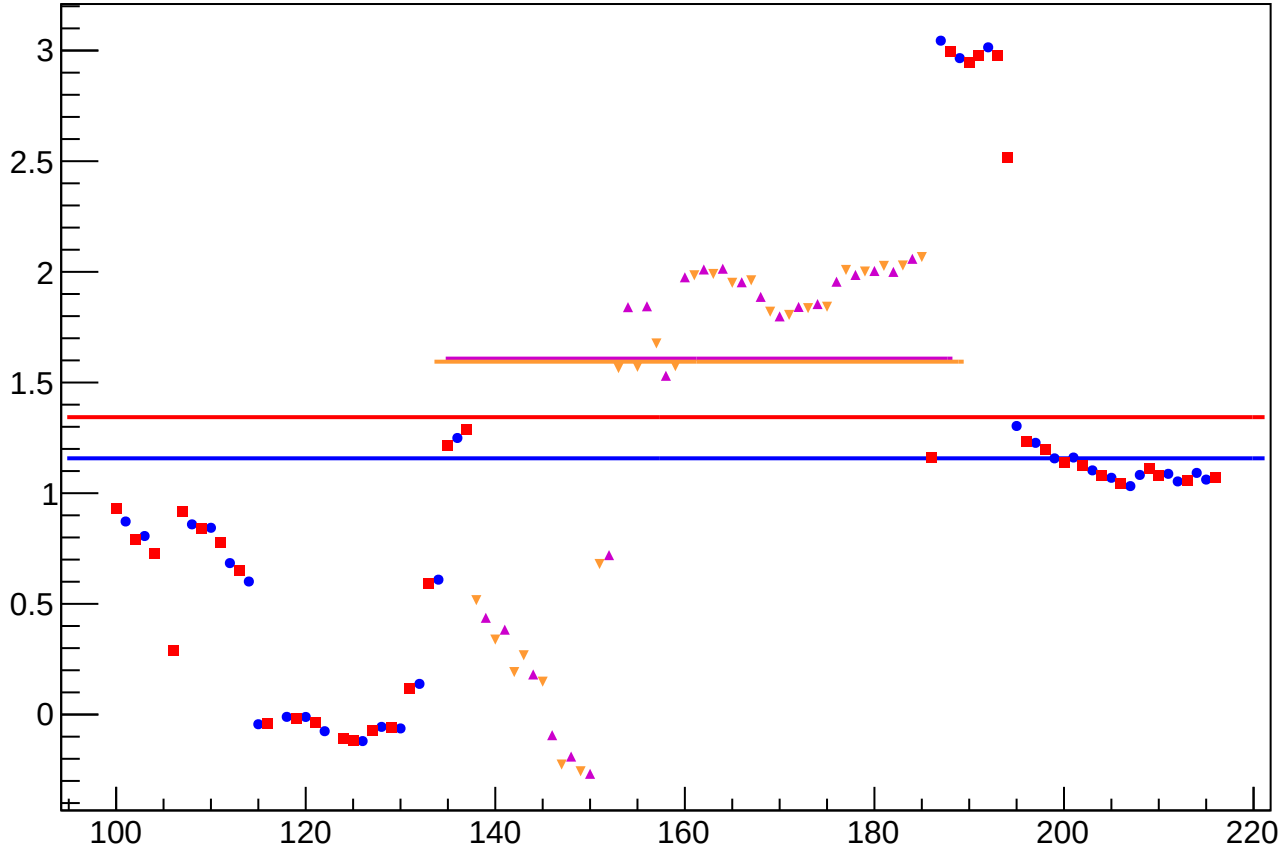
Right: 0.003+/-0.000 χ^2/NDF: 9162383.9/65

In: 0.003+/-0.000 χ^2/NDF:9790180.8/53

Out: 0.003+/-0.000 χ^2/NDF:10636383.8/59

All: 0.003+/-0.000 χ^2/NDF: 20442228.9/113

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: 1.344+/-0.000 χ^2/NDF: 107155858519.2/34

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

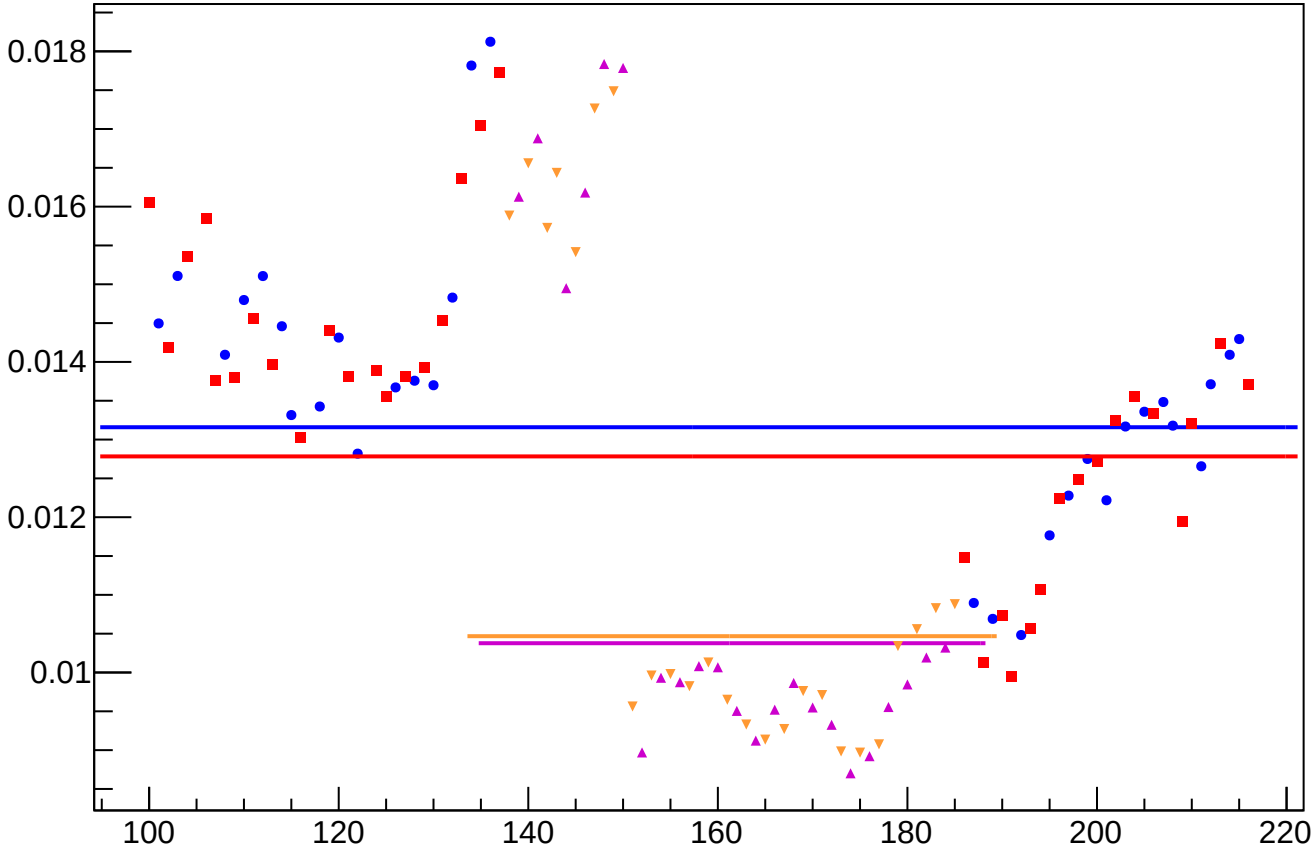
Right: 1.254+/-0.000 χ^2/NDF: 187012576958.7/65

In: 1.426+/-0.000 χ^2/NDF:157452538467.6/53

Out: 1.491+/-0.000 χ^2/NDF:174107787844.8/59

All: 1.460+/-0.000 χ^2/NDF: 332134682222.1

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: 641627.6/34

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

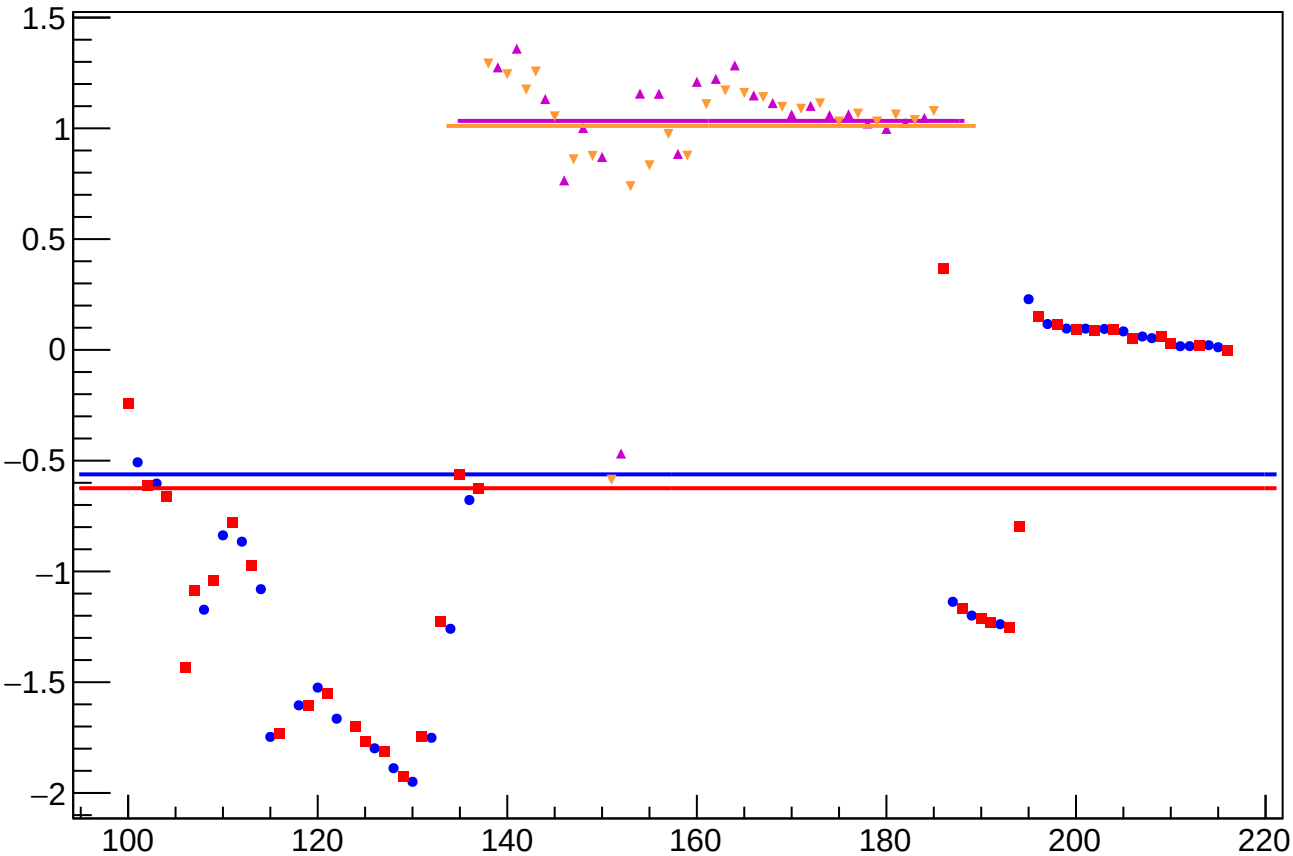
Right: 0.013+/-0.000 χ^2/NDF: 1189242.0/65

In: 0.011+/-0.000 χ^2/NDF:3244479.1/53

Out: 0.011+/-0.000 χ^2/NDF:3039889.1/59

All: 0.011+/-0.000 χ^2/NDF: 6286006.2/113

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: -0.624+/-0.000 χ^2/NDF: 200443887908.4/34

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

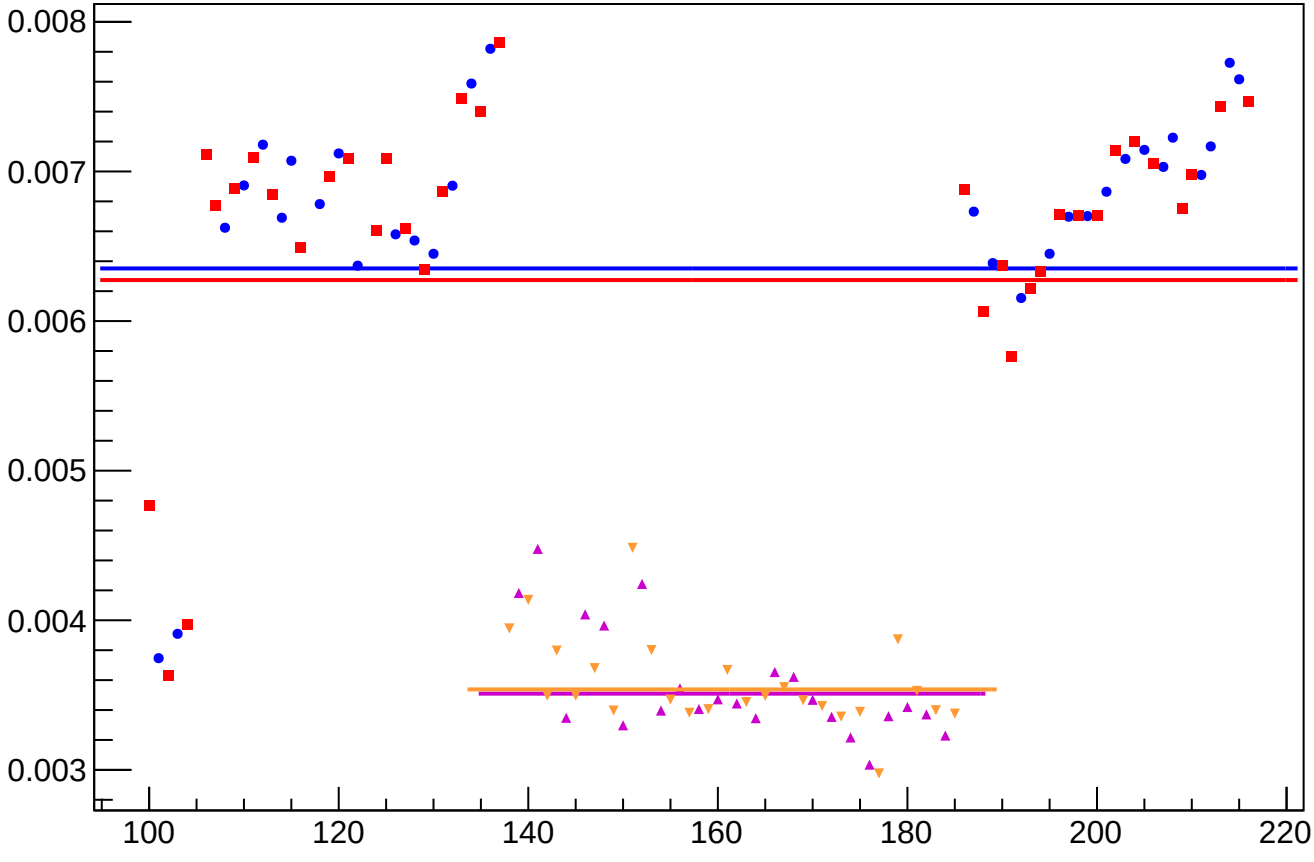
Right: -0.594+/-0.000 χ^2/NDF: 415044982874.9/65

In: 0.641+/-0.000 χ^2/NDF:1182935496438.2/53

Out: 0.607+/-0.000 χ^2/NDF:1239241313538.4/59

All: 0.624+/-0.000 χ^2/NDF: 2423192689723.

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: 1334250.1/34

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

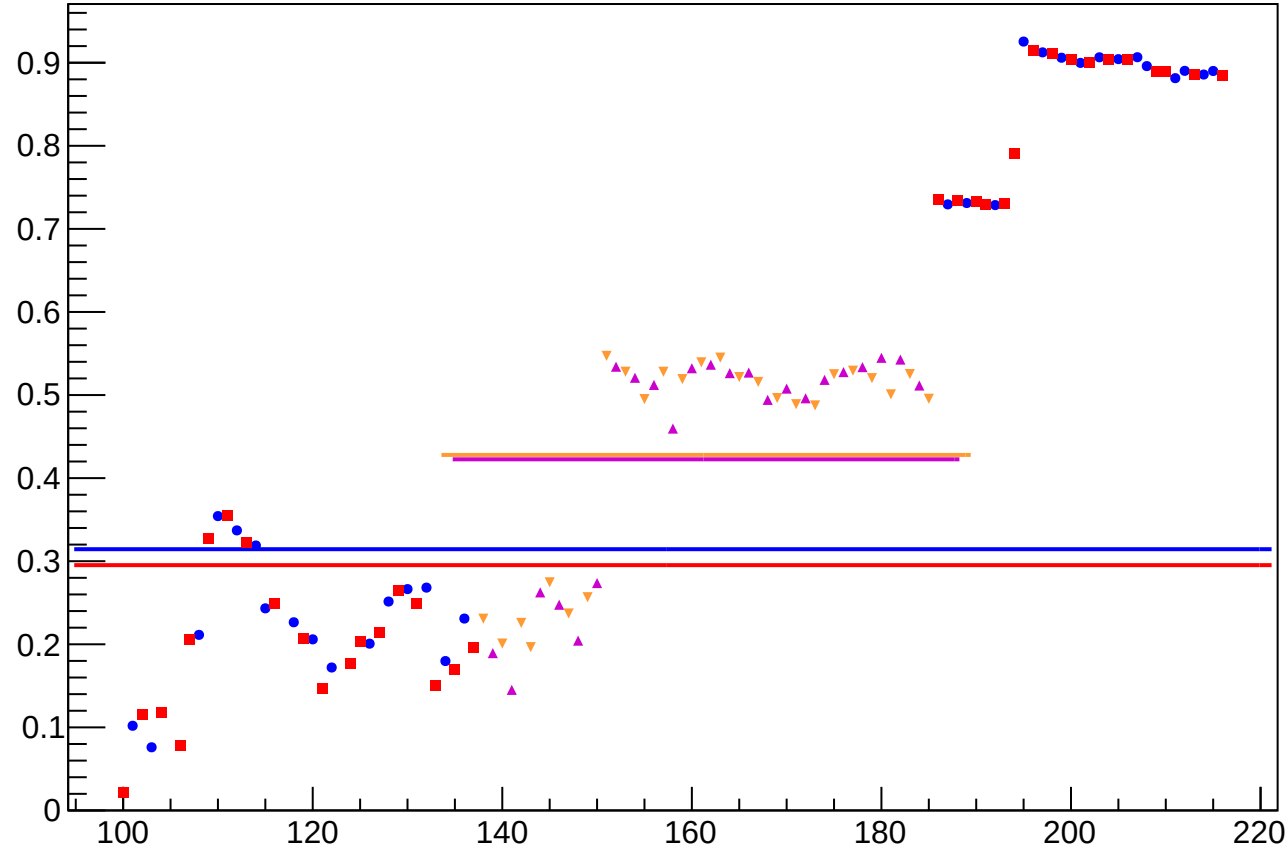
Right: 0.006+/-0.000 χ^2/NDF: 2700113.6/65

In: 0.004+/-0.000 χ^2/NDF:7003410.7/53

Out: 0.004+/-0.000 χ^2/NDF:6744461.2/59

All: 0.004+/-0.000 χ^2/NDF: 13747895.6/113

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: 0.295+/-0.000 χ^2/NDF: 246558933281.9/34

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

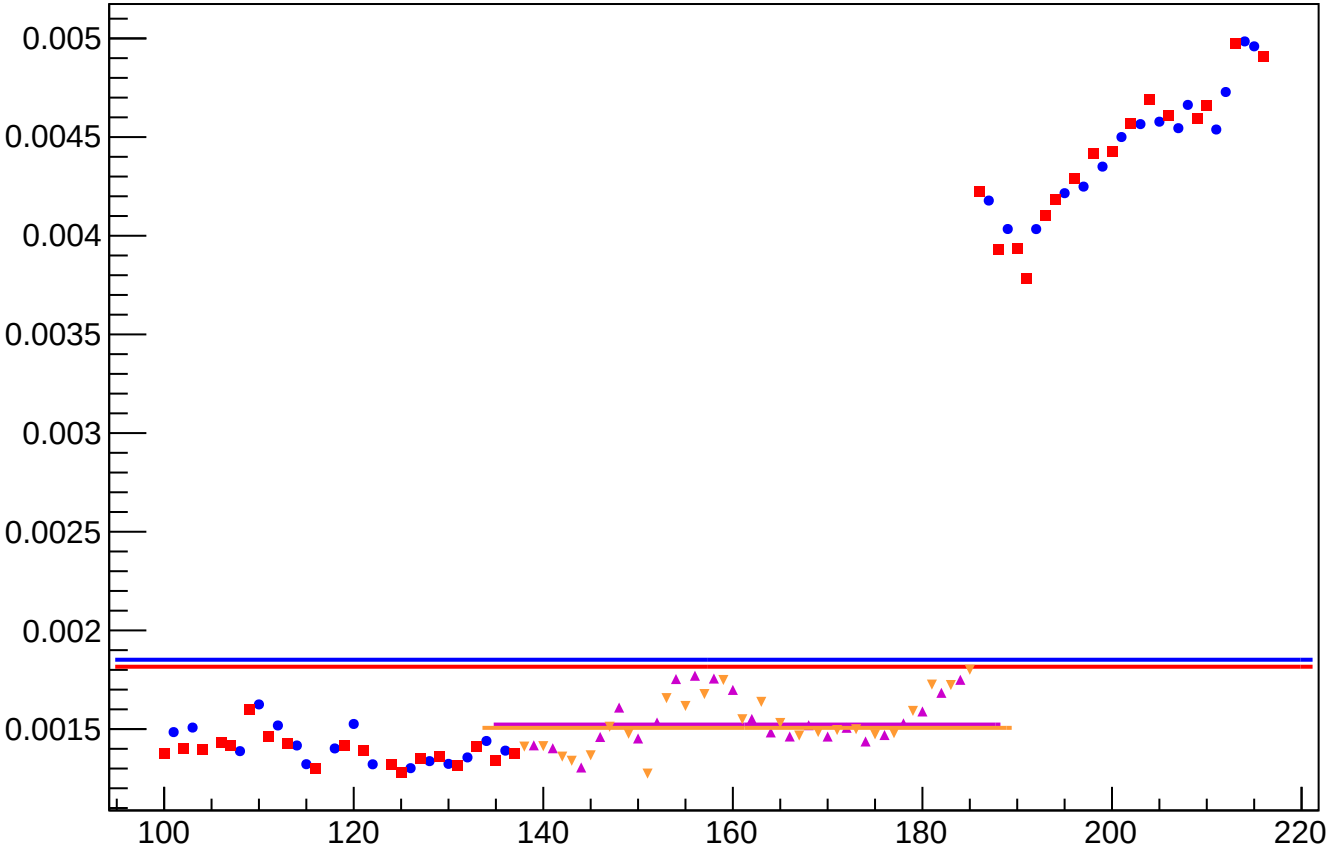
Right: 0.305+/-0.000 χ^2/NDF: 484017732401.7/65

In: 0.385+/-0.000 χ^2/NDF:426211642395.5/53

Out: 0.382+/-0.000 χ^2/NDF:451345736408.3/59

All: 0.384+/-0.000 χ^2/NDF: 877612216439.3

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: 9888146.0/34

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

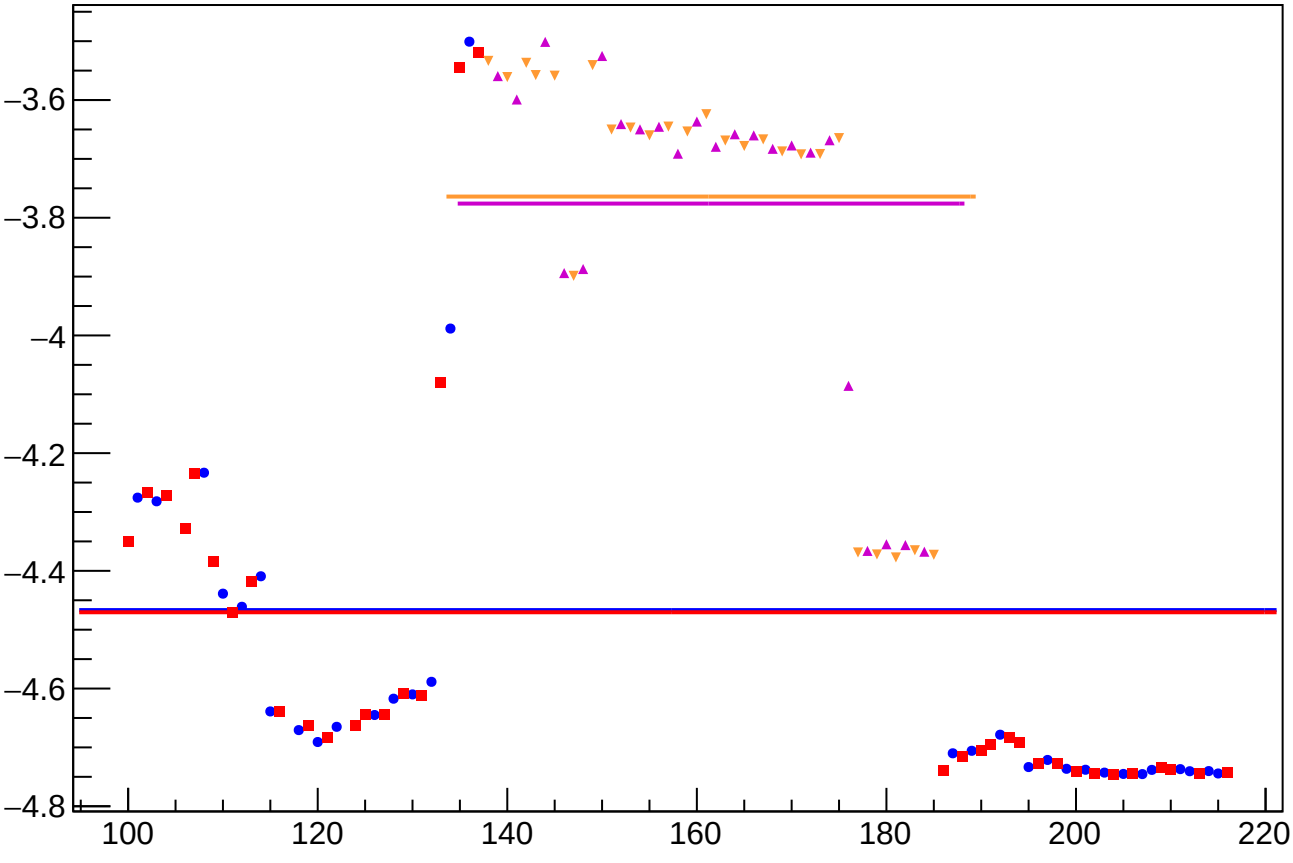
Right: 0.002+/-0.000 χ^2/NDF: 19599804.9/65

In: 0.002+/-0.000 χ^2/NDF:10520267.8/53

Out: 0.002+/-0.000 χ^2/NDF:10722581.3/59

All: 0.002+/-0.000 χ^2/NDF: 21249728.0/113

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: -4.470+/-0.000 χ^2/NDF: 395072594377.3/34

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

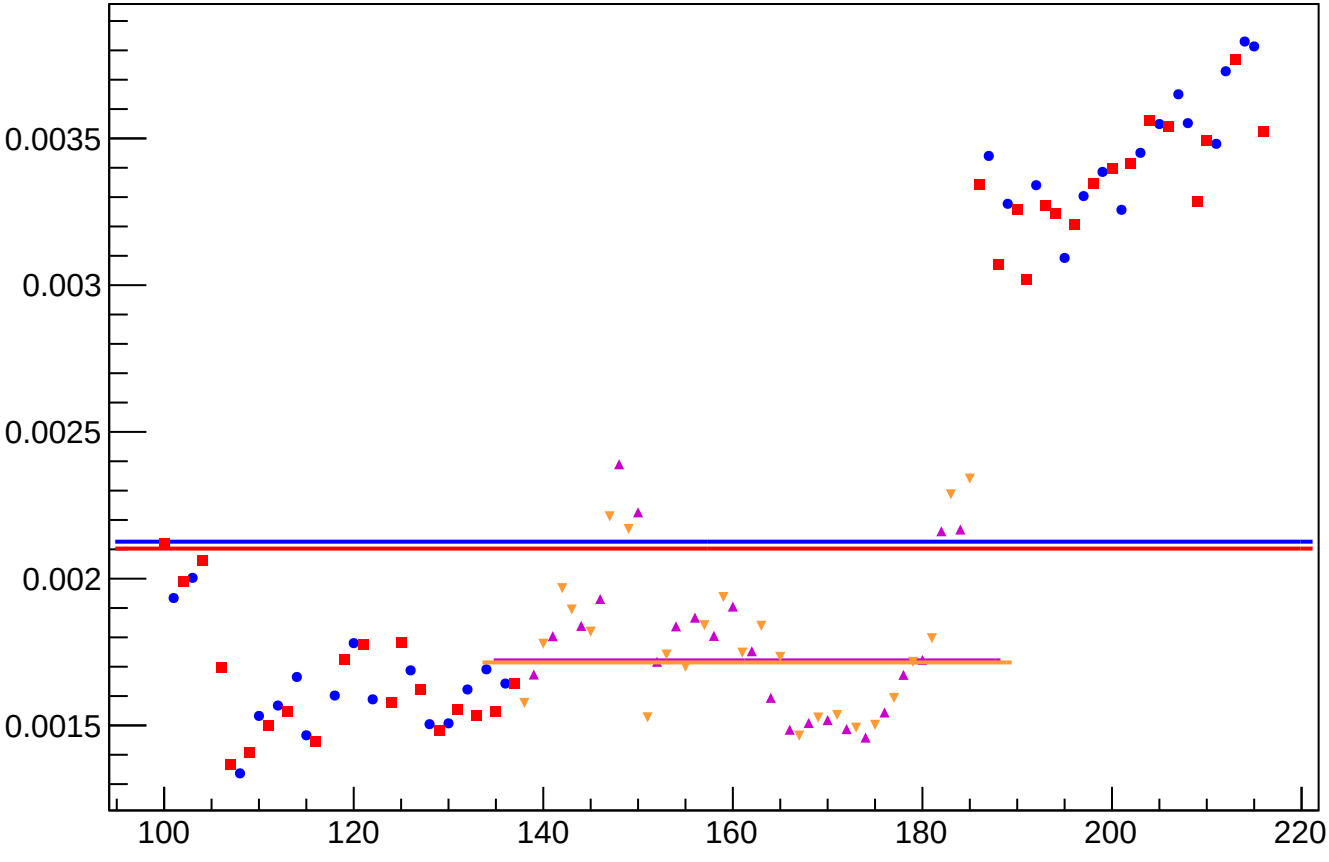
Right: -4.469+/-0.000 χ^2/NDF: 844102884796.3/65

In: -4.037+/-0.000 χ^2/NDF:1922244067666.6/53

Out: -4.031+/-0.000 χ^2/NDF:2066241454810.5/59

All: -4.034+/-0.000 χ^2/NDF: 3988715241885

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: 5000427.5/34

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

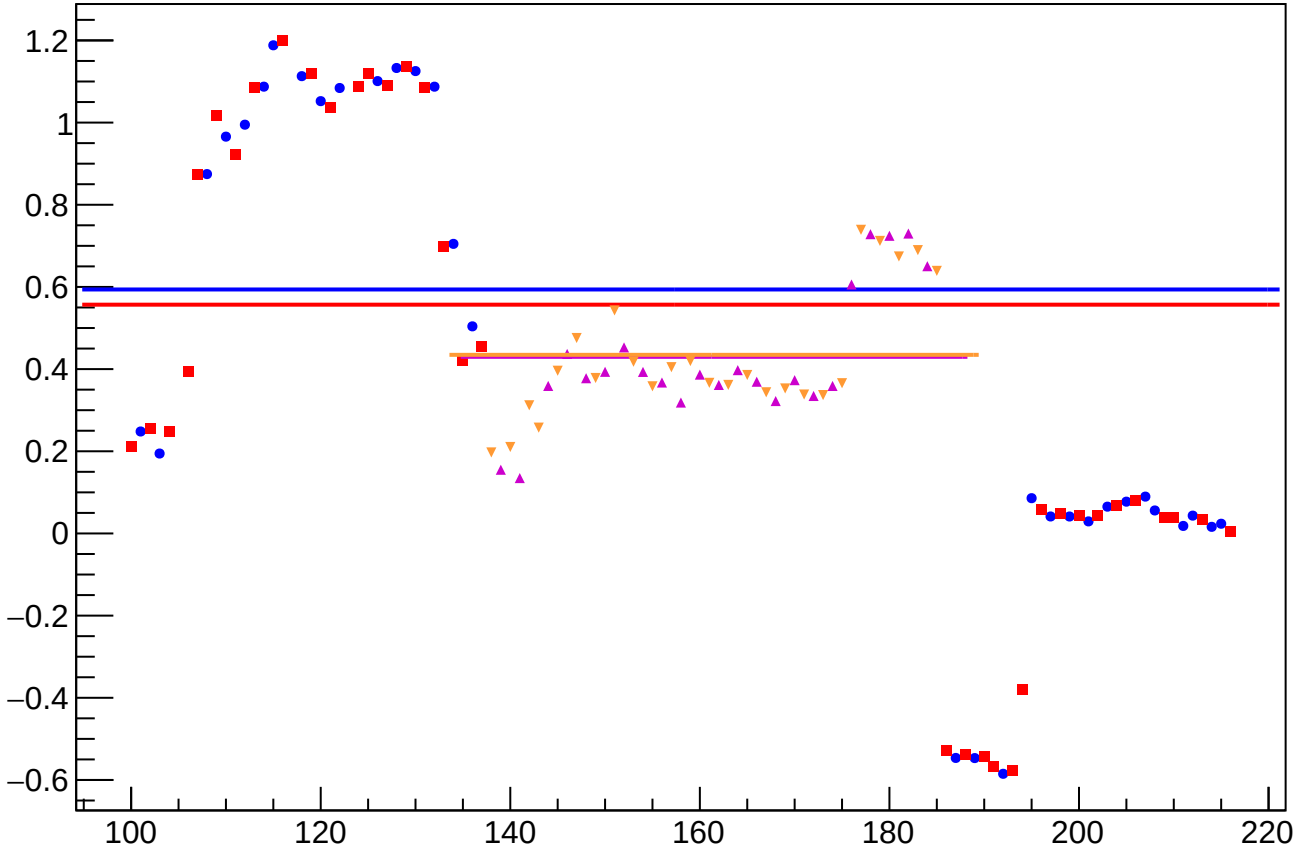
Right: 0.002+/-0.000 χ^2/NDF: 10107461.9/65

In: 0.002+/-0.000 χ^2/NDF:6420782.9/53

Out: 0.002+/-0.000 χ^2/NDF:6279216.1/59

All: 0.002+/-0.000 χ^2/NDF: 12701851.8/113

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: 0.557+/-0.000 χ^2/NDF: 93242509104.6/34

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

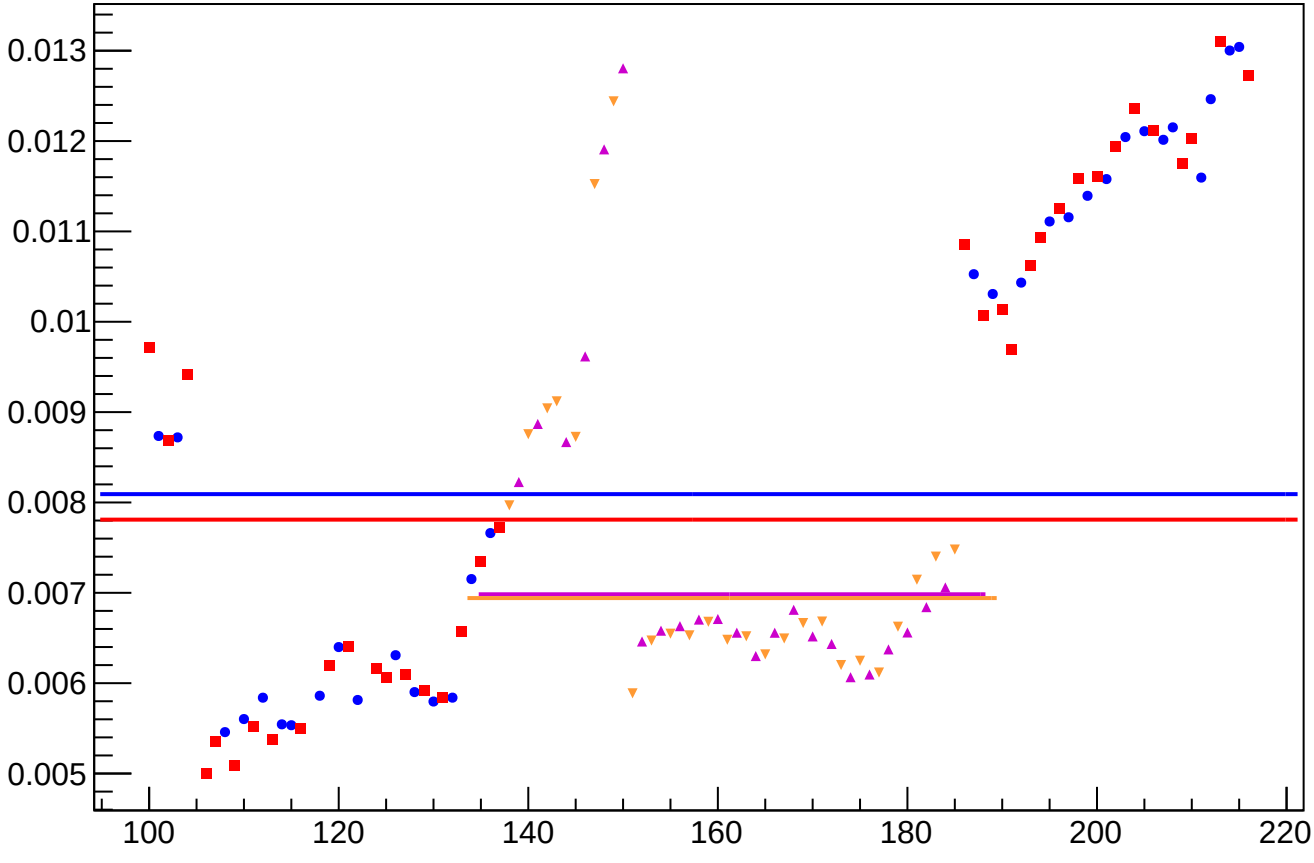
Right: 0.574+/-0.000 χ^2/NDF: 169119265710.5/65

In: 0.499+/-0.000 χ^2/NDF:88828117361.9/53

Out: 0.487+/-0.000 χ^2/NDF:104220272538.4/59

All: 0.493+/-0.000 χ^2/NDF: 193096637483.5

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: 4168128.3/34

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

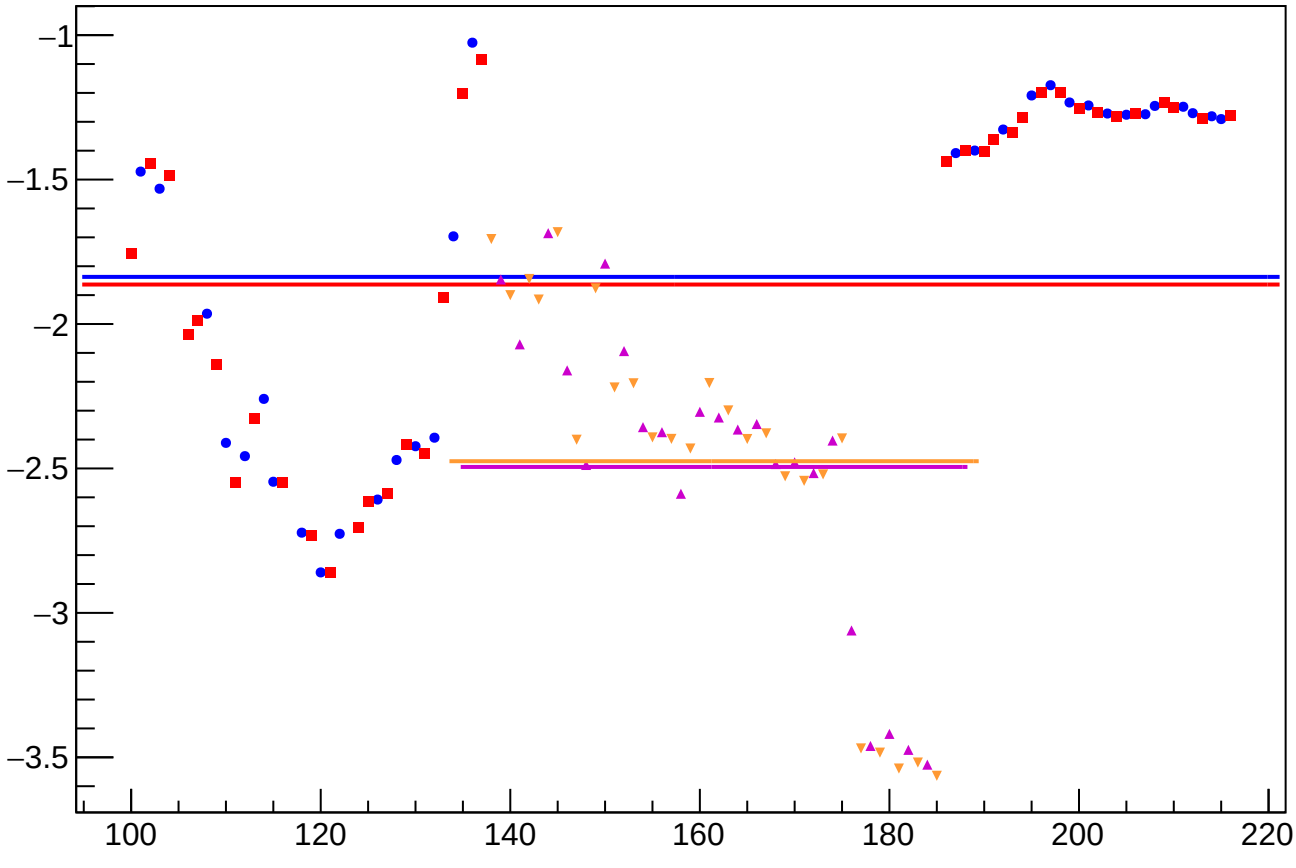
Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

Right: 0.008+/-0.000 χ^2/NDF: 7969806.2/65

In: 0.007+/-0.000 χ^2/NDF:5291068.6/53

Out: 0.007+/-0.000 χ^2/NDF:5508109.2/59

All: 0.007+/-0.000 χ^2/NDF: 10811723.6/113



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: -1.863+/-0.000 χ^2/NDF: 117768277508.1/34

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

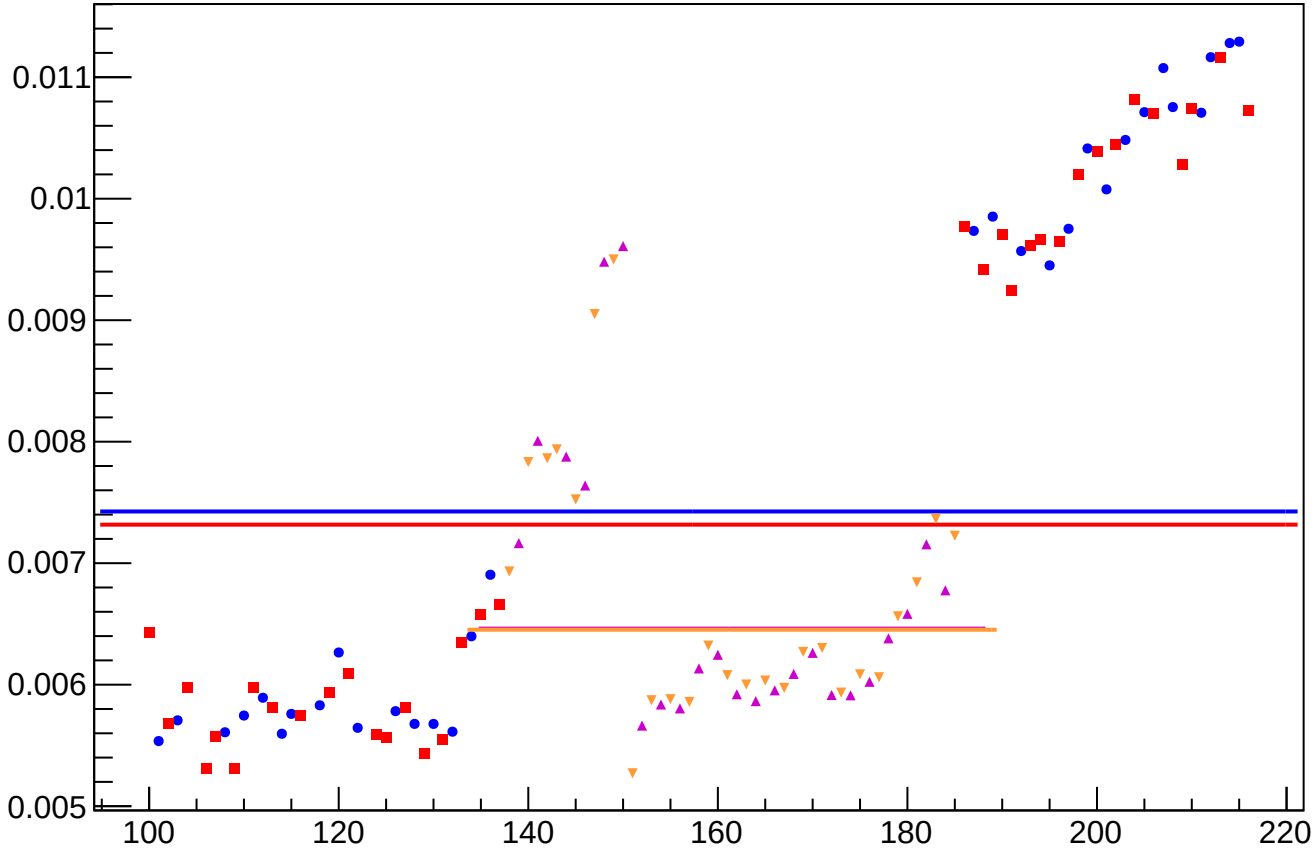
Right: -1.851+/-0.000 χ^2/NDF: 238860784387.0/65

In: -2.214+/-0.000 χ^2/NDF:297132764927.2/53

Out: -2.213+/-0.000 χ^2/NDF:313446960294.8/59

All: -2.214+/-0.000 χ^2/NDF: 610579764557.2

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: 3082470.7/34

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

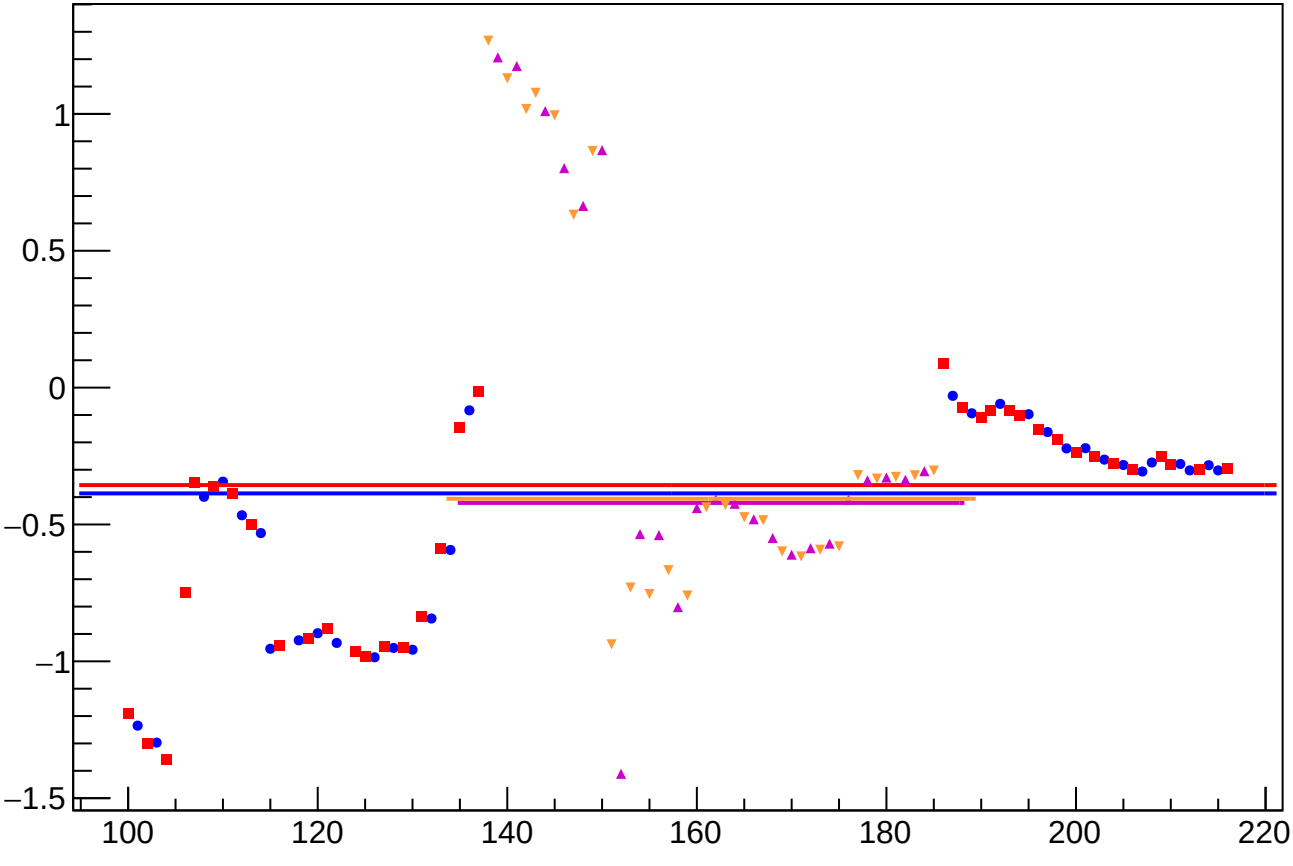
Right: 0.007+/-0.000 χ^2/NDF: 6222888.3/65

In: 0.007+/-0.000 χ^2/NDF:4198187.5/53

Out: 0.007+/-0.000 χ^2/NDF:4086445.7/59

All: 0.007+/-0.000 χ^2/NDF: 8286654.4/113

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: -0.356+/-0.000 χ^2/NDF: 27342403785.6/34

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

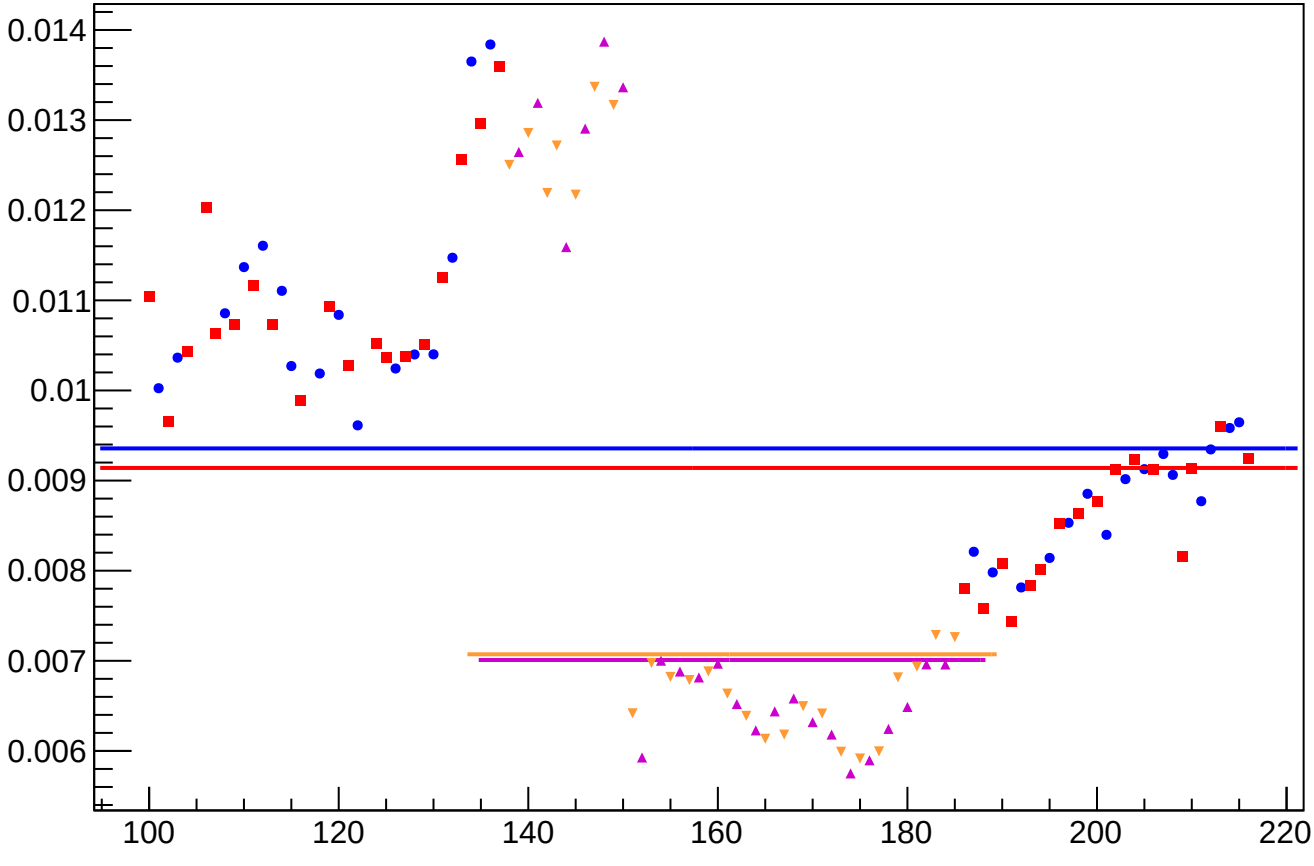
Right: -0.371+/-0.000 χ^2/NDF: 52106199055.9/65

In: -0.408+/-0.000 χ^2/NDF:115061119014.4/53

Out: -0.387+/-0.000 χ^2/NDF:109320886069.4/59

All: -0.397+/-0.000 χ^2/NDF: 224511596638.0

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: 704097.4/34

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

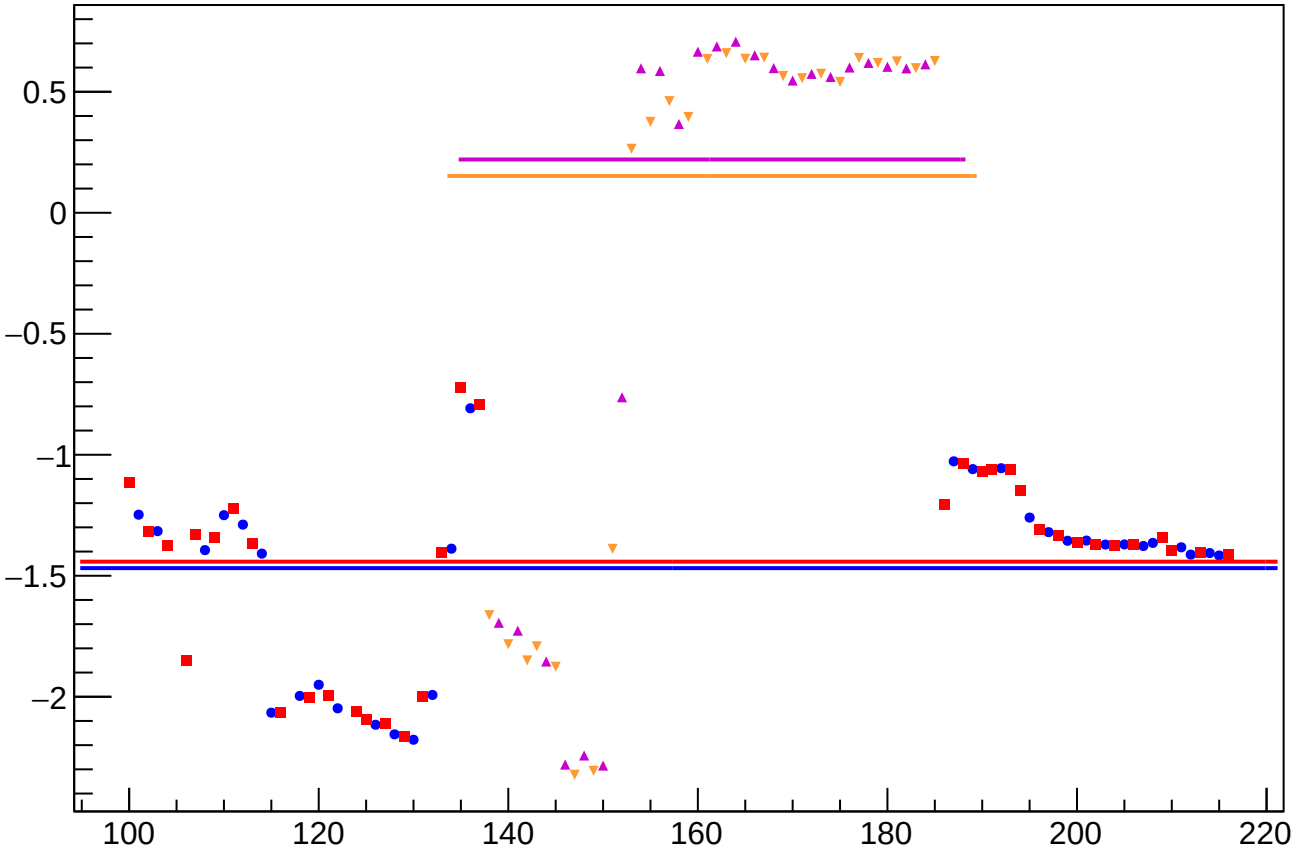
Right: 0.009+/-0.000 χ^2/NDF: 1352976.4/65

In: 0.008+/-0.000 χ^2/NDF:4540082.8/53

Out: 0.008+/-0.000 χ^2/NDF:4274149.2/59

All: 0.008+/-0.000 χ^2/NDF: 8814798.7/113

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: 172706007004.1/34

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

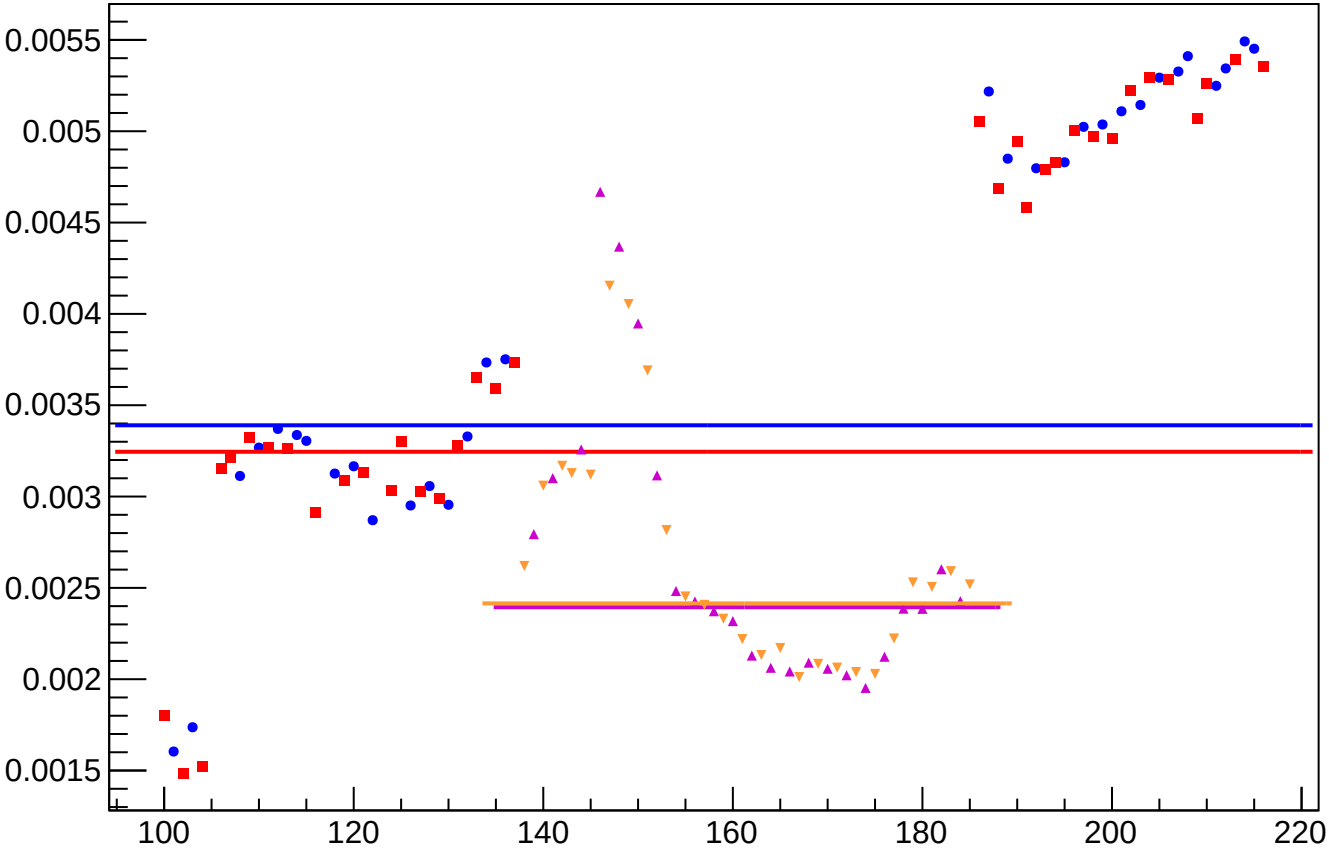
Right: -1.455+/-0.000 χ^2/NDF: 357110282444.8/65

In: -0.336+/-0.000 χ^2/NDF:4922572724188.3/53

Out: -0.385+/-0.000 χ^2/NDF:5075974833605.1/59

All: -0.361+/-0.000 χ^2/NDF: 1000370580050

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: 6050826.1/34

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

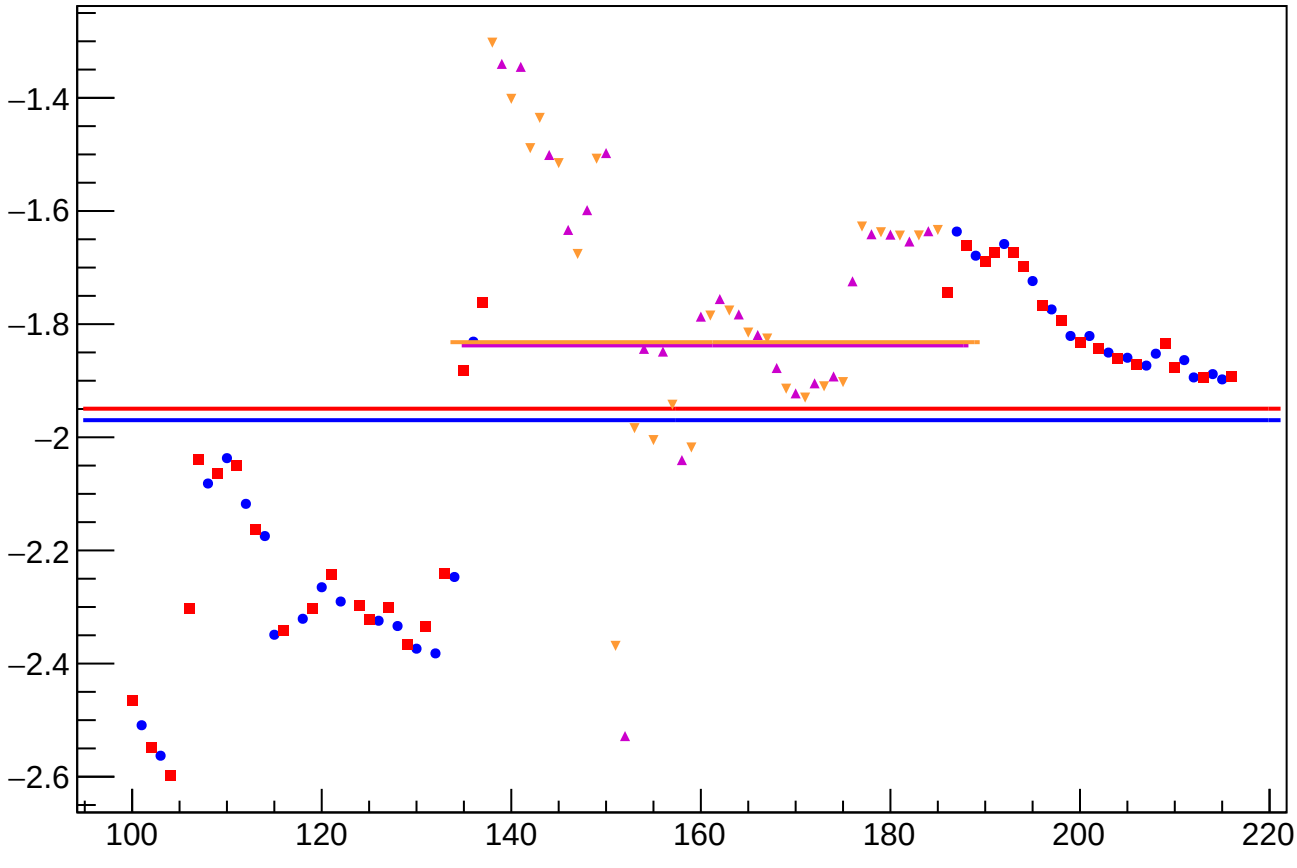
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11341089.5/65

In: 0.003+/-0.000 χ^2/NDF:8490678.1/53

Out: 0.003+/-0.000 χ^2/NDF:8629024.9/59

All: 0.003+/-0.000 χ^2/NDF: 17122869.4/113



Right In: -1.970+/-0.000 χ^2/NDF: 34136240985.8/30

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.949+/-0.000 χ^2/NDF: 38056618063.8/34

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

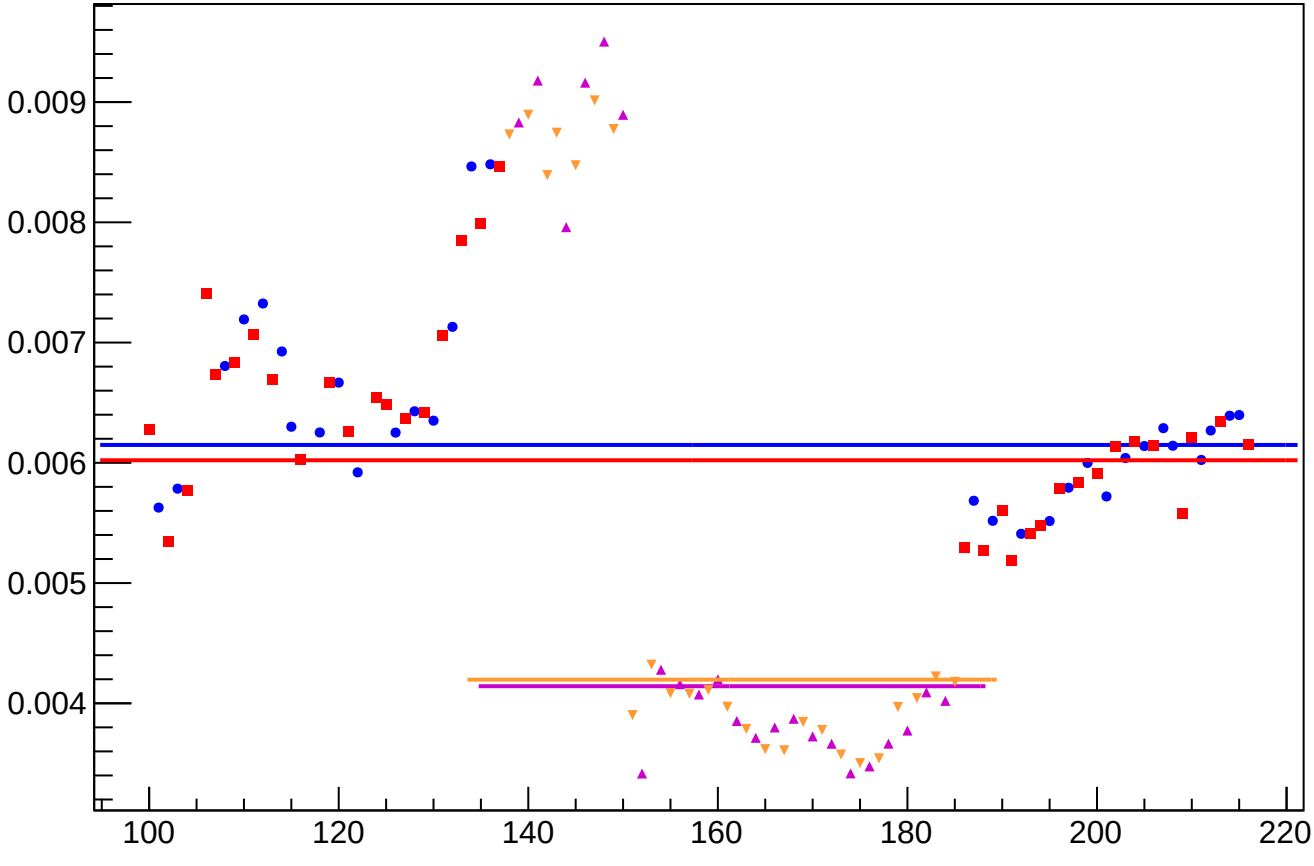
Right: -1.959+/-0.000 χ^2/NDF: 72297612202.2/65

In: -1.883+/-0.000 χ^2/NDF:93220596088.8/53

Out: -1.873+/-0.000 χ^2/NDF:81140898430.3/59

All: -1.878+/-0.000 χ^2/NDF: 174435044991.5

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: 397287.4/34

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

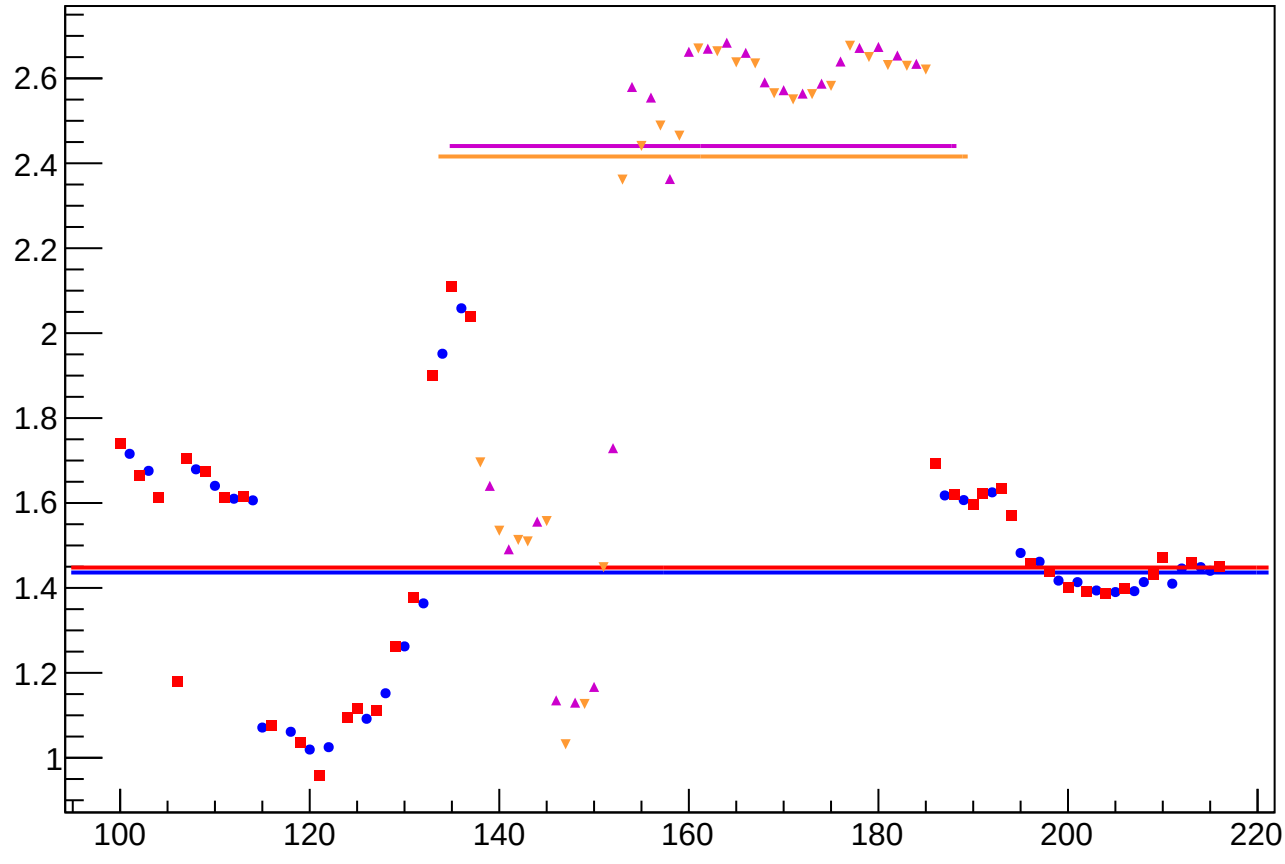
Right: 0.006+/-0.000 χ^2/NDF: 779696.0/65

In: 0.005+/-0.000 χ^2/NDF:6171898.3/53

Out: 0.005+/-0.000 χ^2/NDF:5761013.8/59

All: 0.005+/-0.000 χ^2/NDF: 11932927.2/113

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: 186652006517.9/34

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

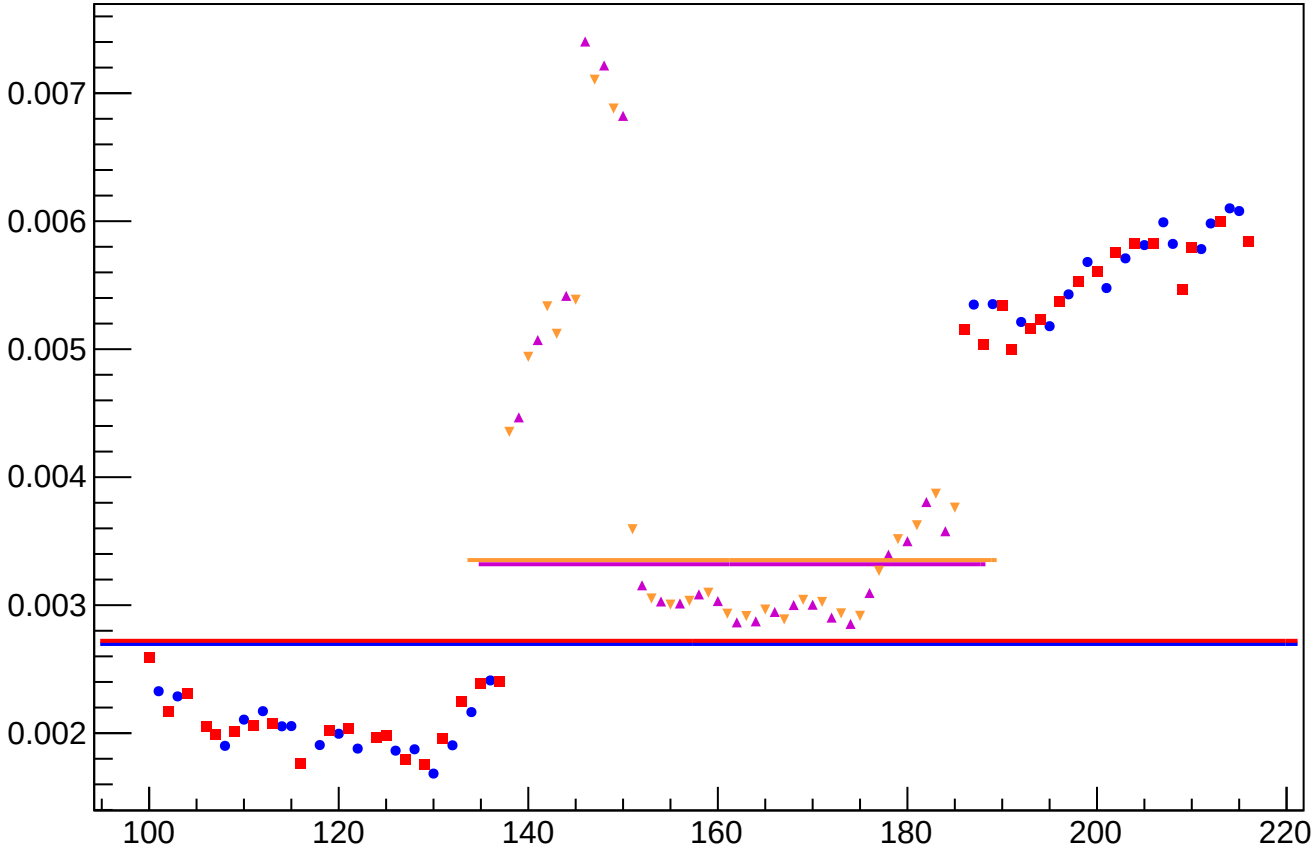
Right: 1.442+/-0.000 χ^2/NDF: 378296946182.7/65

In: 1.864+/-0.000 χ^2/NDF:1281352668411.6/53

Out: 1.867+/-0.000 χ^2/NDF:1254177167879.2/59

All: 1.866+/-0.000 χ^2/NDF: 2535547419086.

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: 7933493.4/34

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

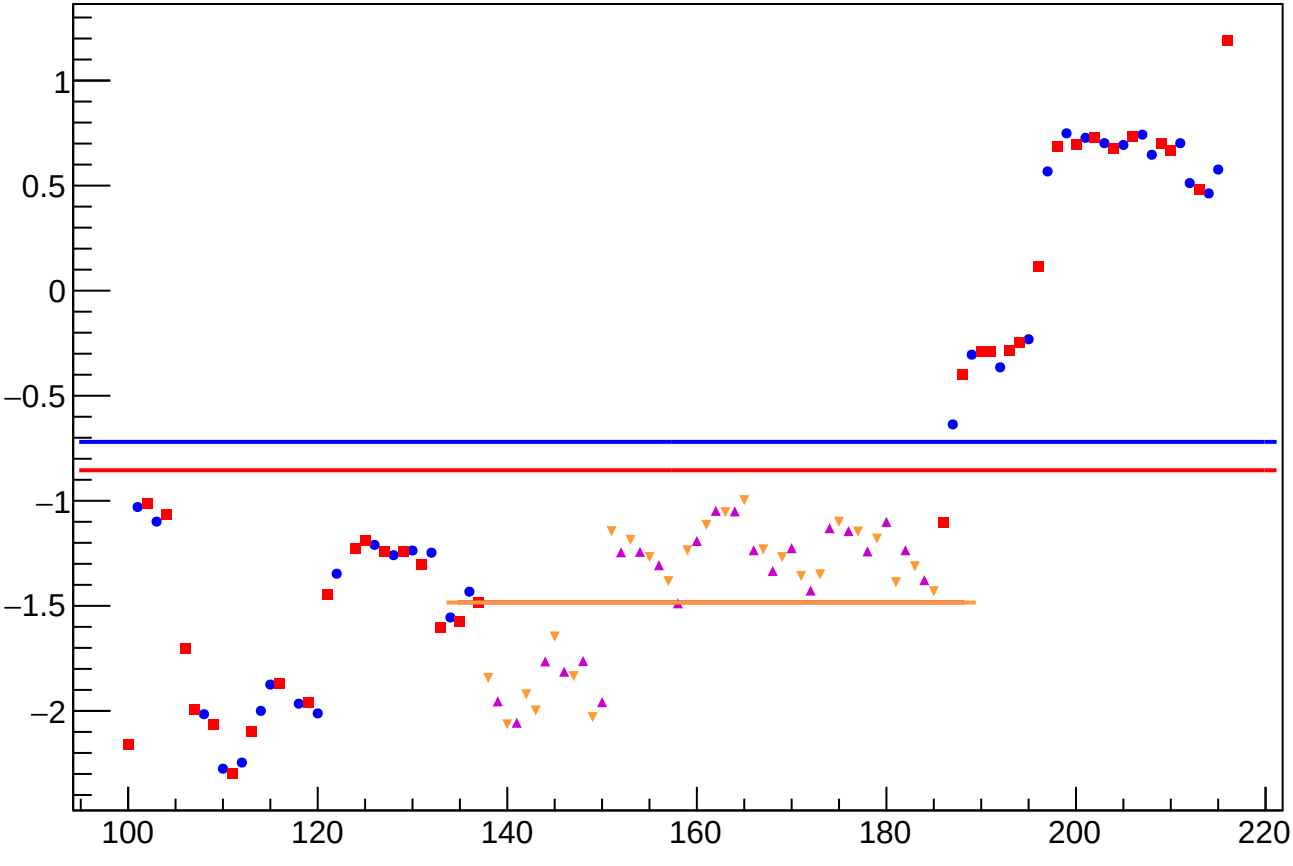
Right: 0.003+/-0.000 χ^2/NDF: 16158090.2/65

In: 0.003+/-0.000 χ^2/NDF:10938799.7/53

Out: 0.003+/-0.000 χ^2/NDF:10453787.2/59

All: 0.003+/-0.000 χ^2/NDF: 21396345.5/113

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: -0.855+/-0.000 χ^2/NDF: 288141430697.3/34

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

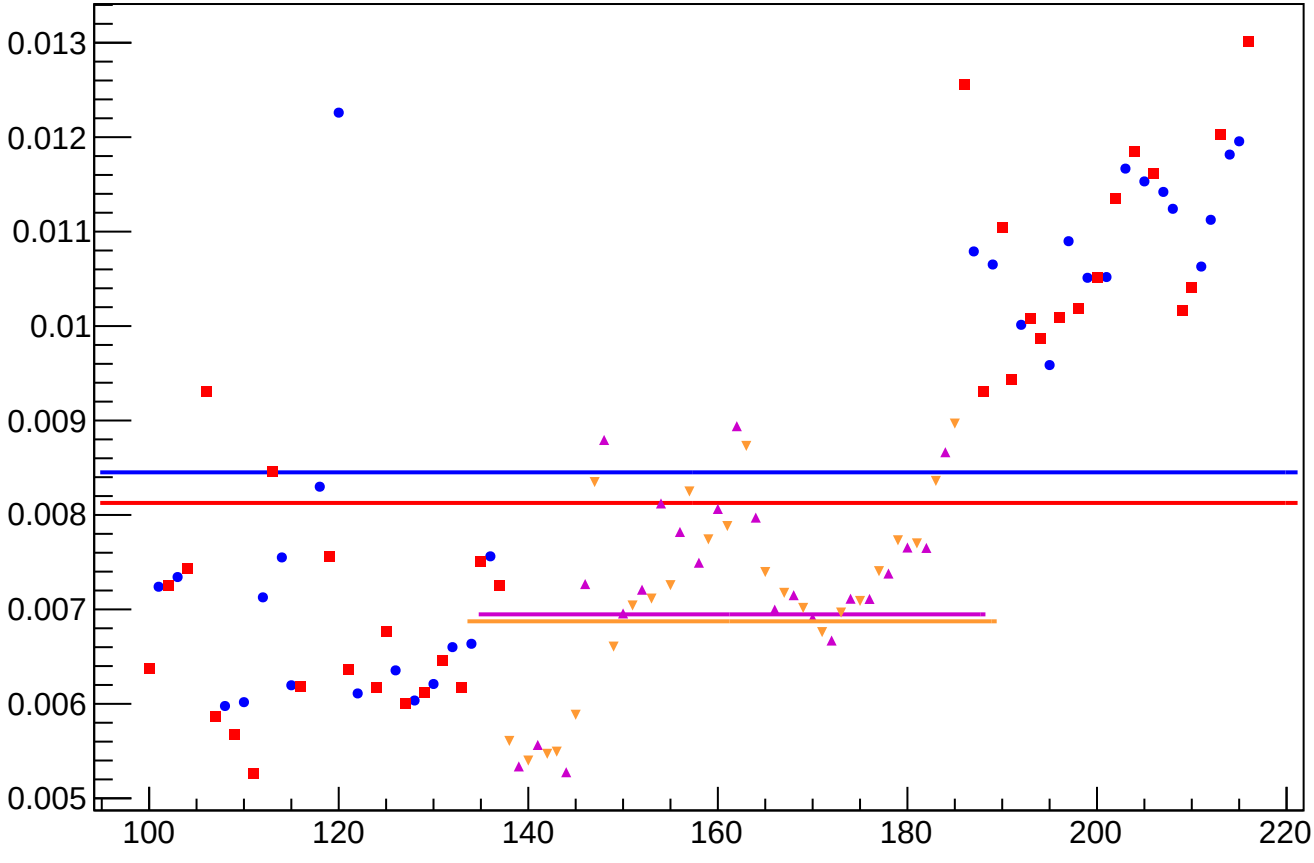
Right: -0.791+/-0.000 χ^2/NDF: 542018790286.9/65

In: -1.174+/-0.000 χ^2/NDF:375187083275.8/53

Out: -1.226+/-0.000 χ^2/NDF:398867955887.8/59

All: -1.201+/-0.000 χ^2/NDF: 774886135866.8

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2306415.1/30

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2588694.3/34

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

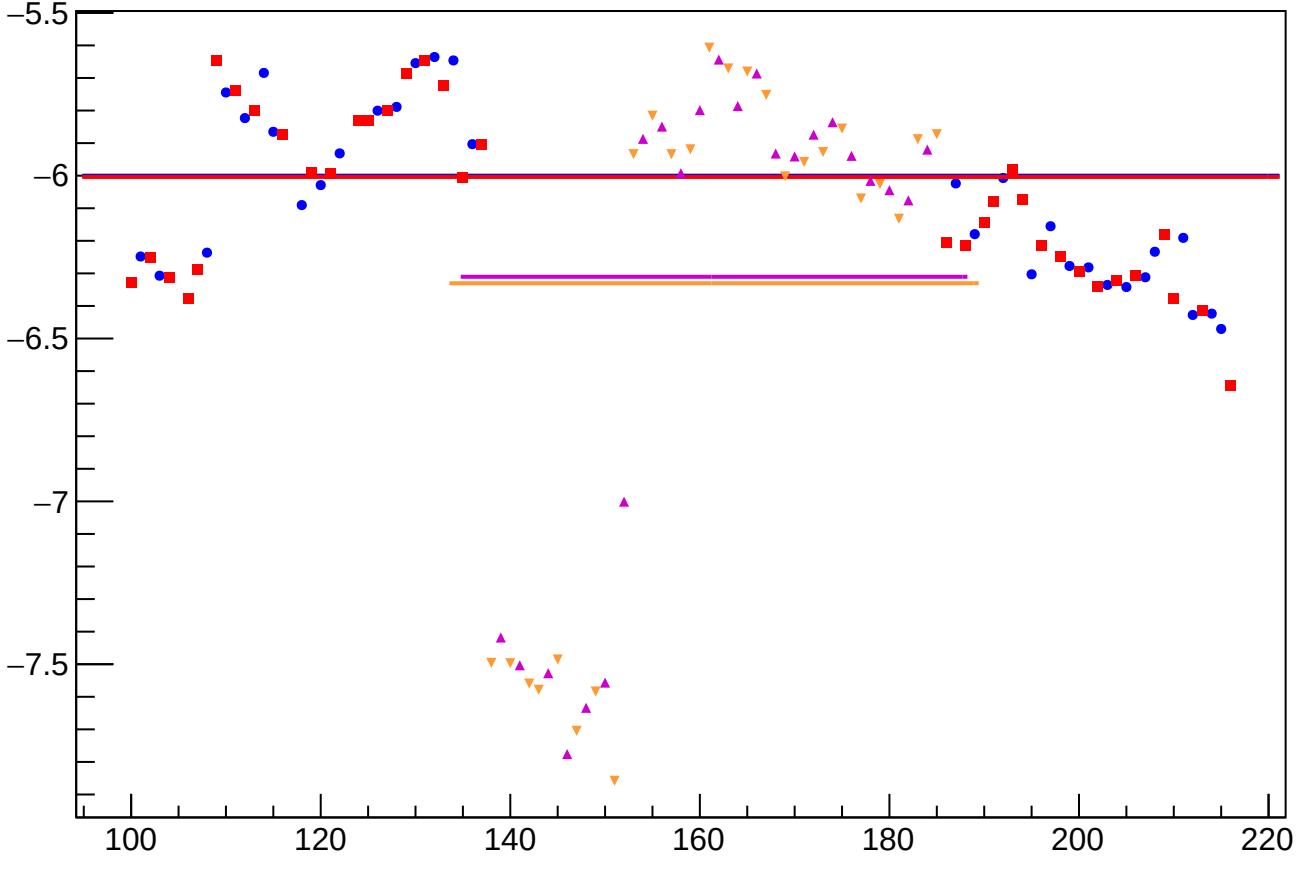
Right: 0.008+/-0.000 χ^2/NDF: 4921608.3/65

In: 0.008+/-0.000 χ^2/NDF:3698642.5/53

Out: 0.007+/-0.000 χ^2/NDF:3828211.7/59

All: 0.007+/-0.000 χ^2/NDF: 7544372.6/113

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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: -6.004+/-0.000 χ^2/NDF: 19143699856.8/34

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

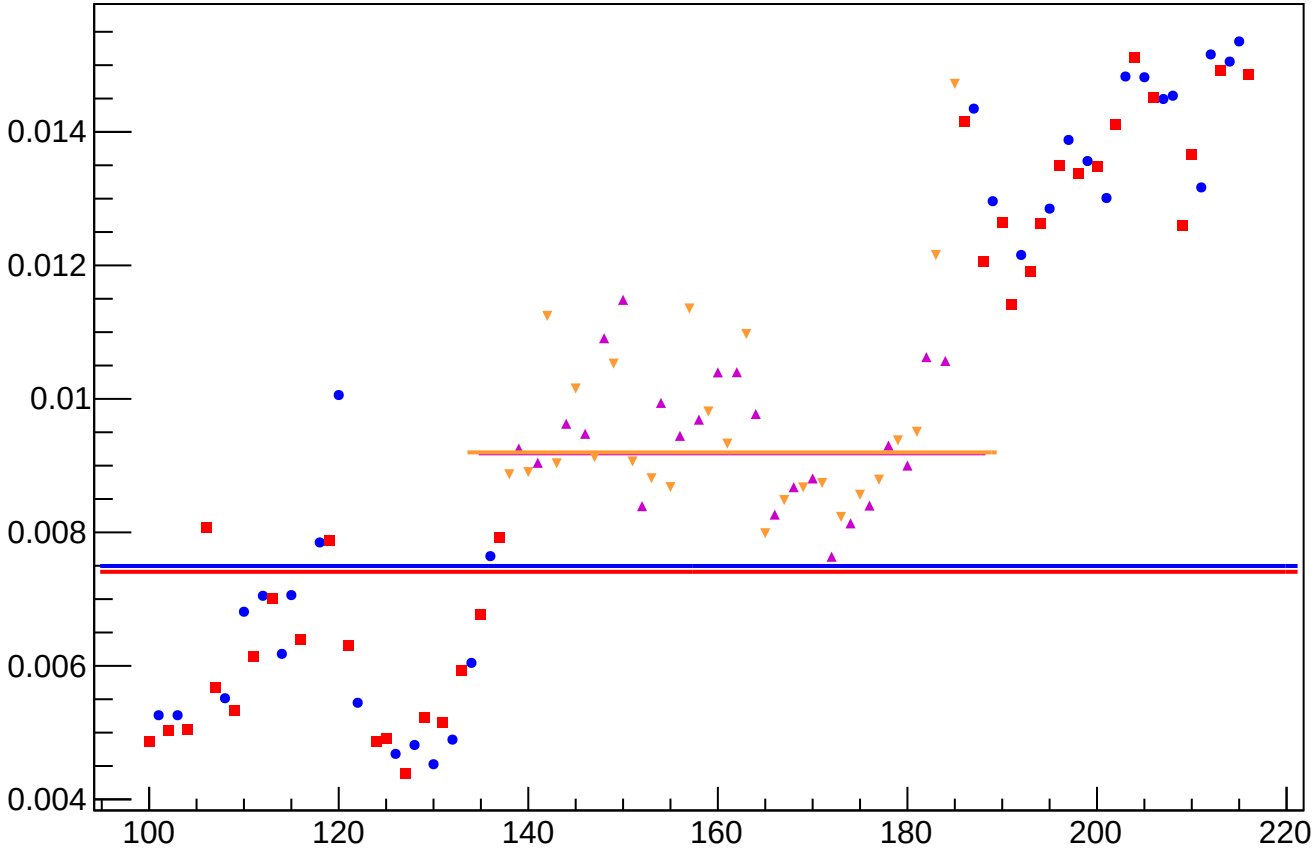
Right: -6.002+/-0.000 χ^2/NDF: 37398520402.1/65

In: -6.129+/-0.000 χ^2/NDF:120251541733.2/53

Out: -6.137+/-0.000 χ^2/NDF:141489577640.0/59

All: -6.133+/-0.000 χ^2/NDF: 261757843854.8

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: 6625736.6/34

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

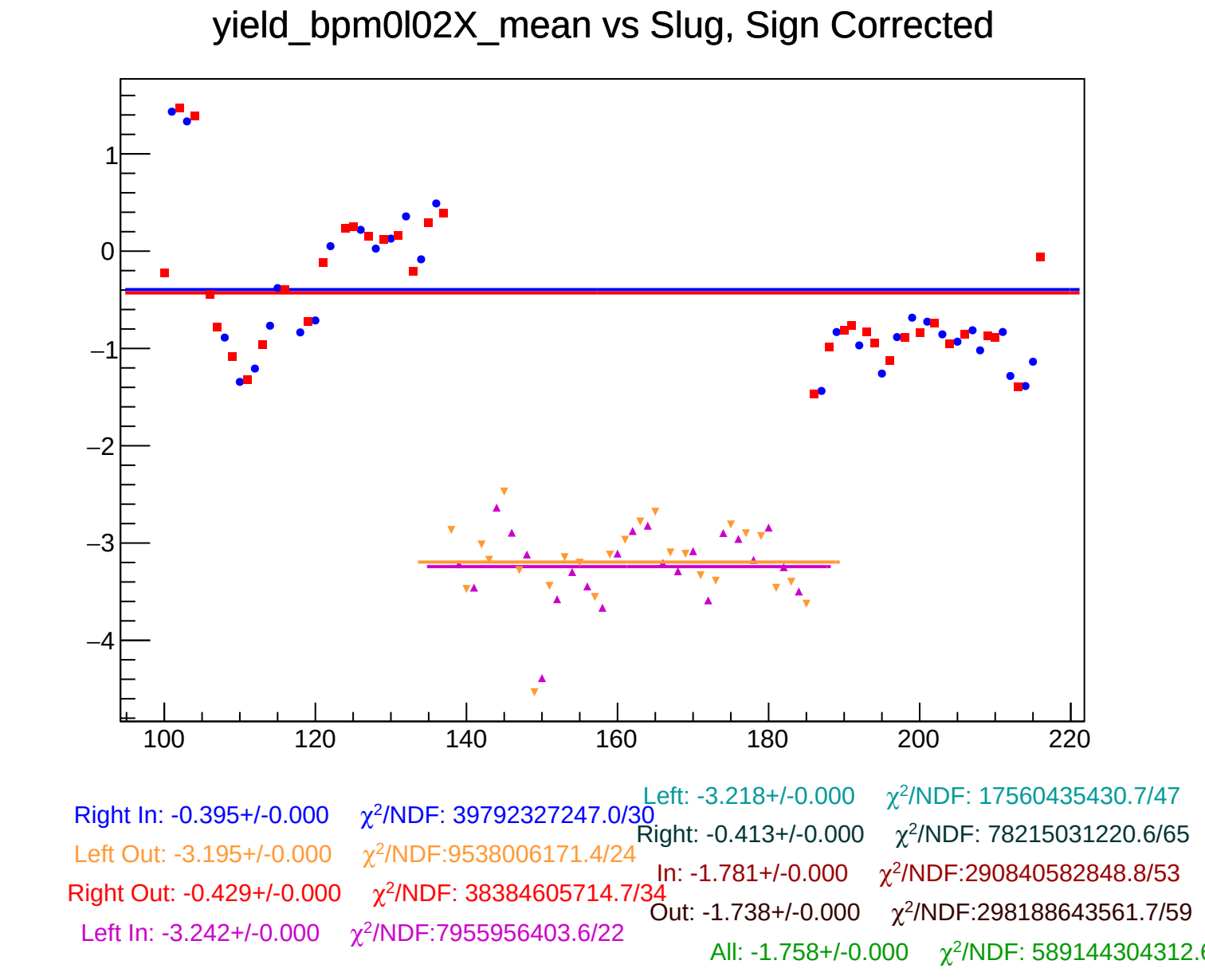
Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

Right: 0.007+/-0.000 χ^2/NDF: 13612100.2/65

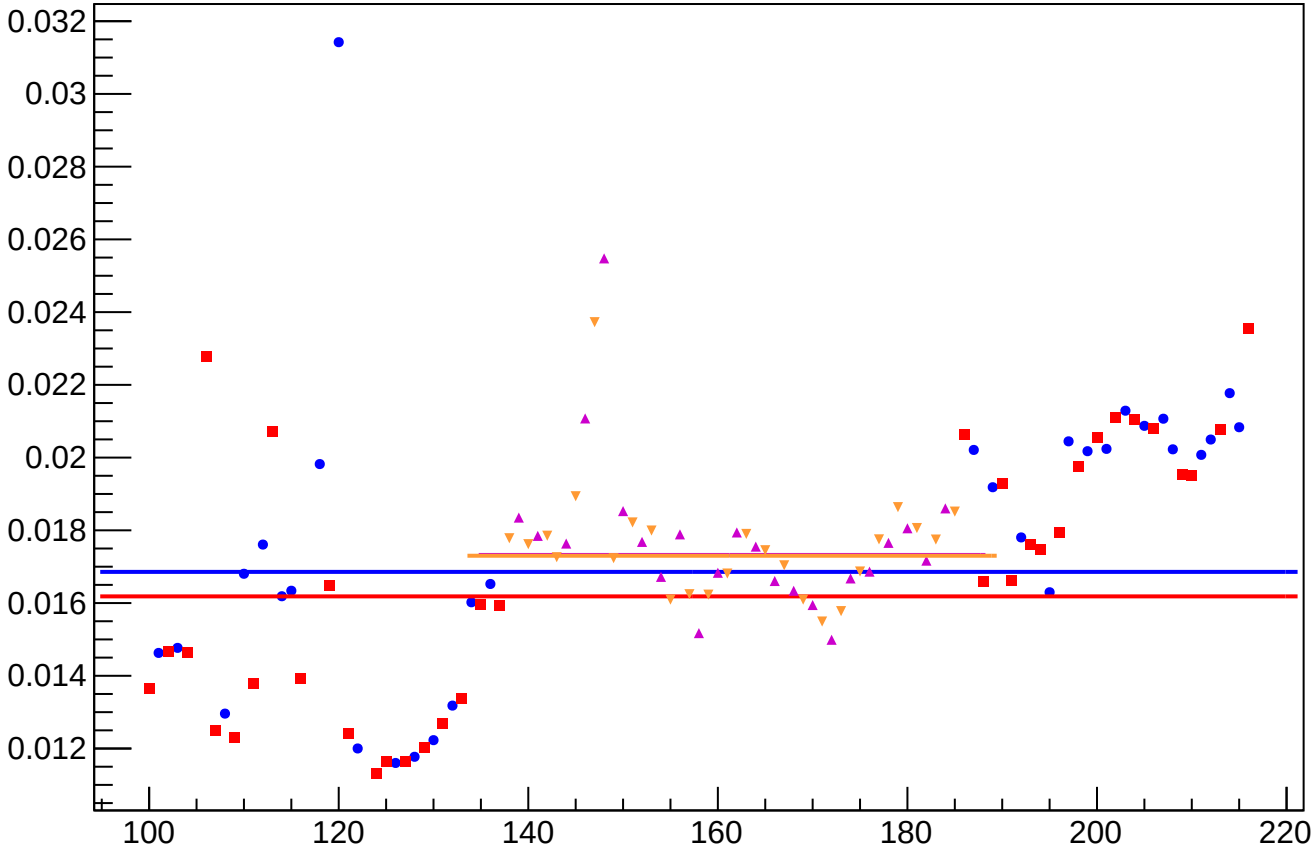
In: 0.008+/-0.000 χ^2/NDF:7912667.0/53

Out: 0.008+/-0.000 χ^2/NDF:7715490.1/59

All: 0.008+/-0.000 χ^2/NDF: 15629571.6/113


yield_bpm0l02X_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.395+/-0.000 χ²/NDF: 39792327247.0/30
Left Out: -3.195+/-0.000 χ²/NDF:9538006171.4/24
Right Out: -0.429+/-0.000 χ²/NDF: 38384605714.7/34
Left In: -3.242+/-0.000 χ²/NDF:7955956403.6/22
Left: -3.218+/-0.000 χ²/NDF: 17560435430.7/47
Right: -0.413+/-0.000 χ²/NDF: 78215031220.6/65
In: -1.781+/-0.000 χ²/NDF:290840582848.8/53
Out: -1.738+/-0.000 χ²/NDF:298188643561.7/59
All: -1.758+/-0.000 χ²/NDF: 589144304312.6

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: 1681621.3/34

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

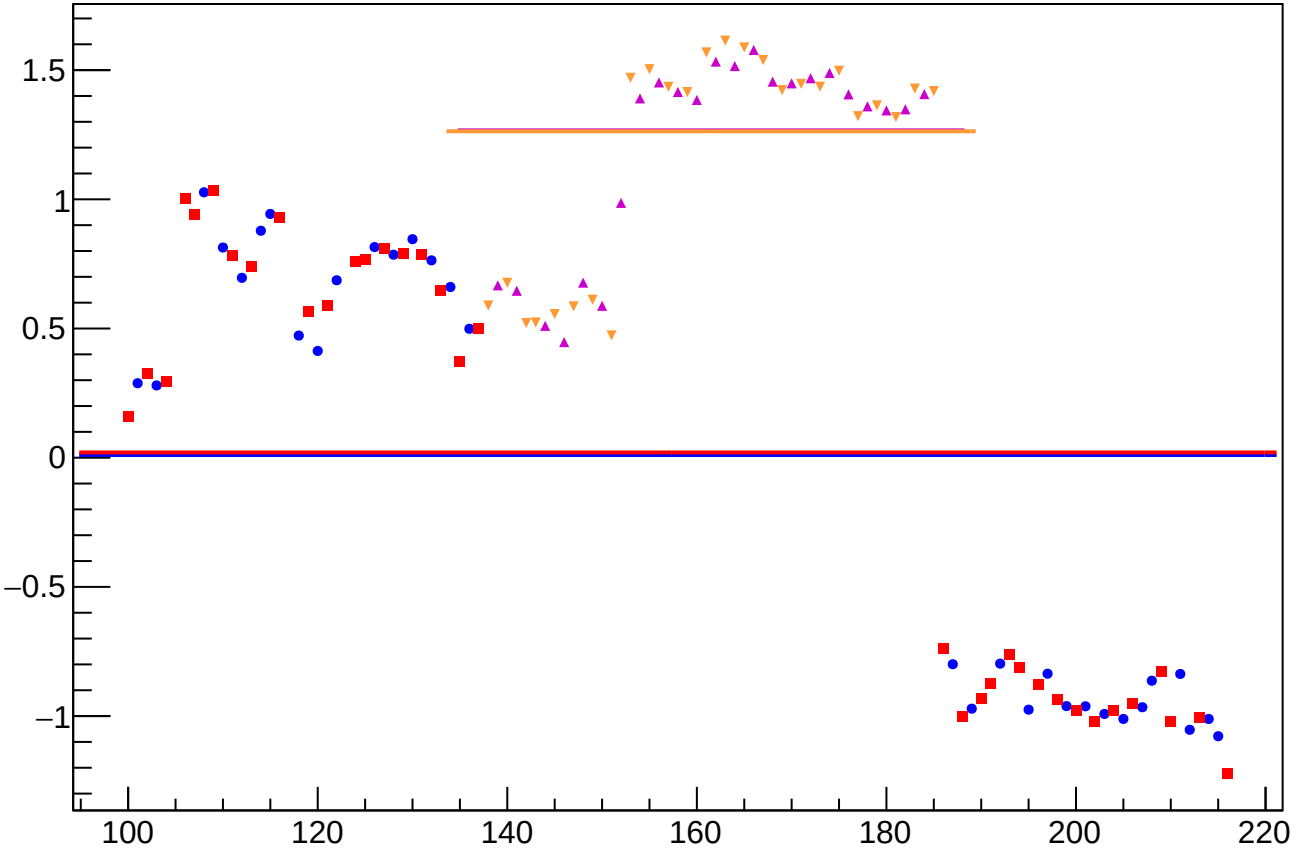
Right: 0.017+/-0.000 χ^2/NDF: 3345671.9/65

In: 0.017+/-0.000 χ^2/NDF:1977355.7/53

Out: 0.017+/-0.000 χ^2/NDF:1981351.6/59

All: 0.017+/-0.000 χ^2/NDF: 3976011.1/113

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: 0.020+/-0.000 χ^2/NDF: 103906786845.2/34

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

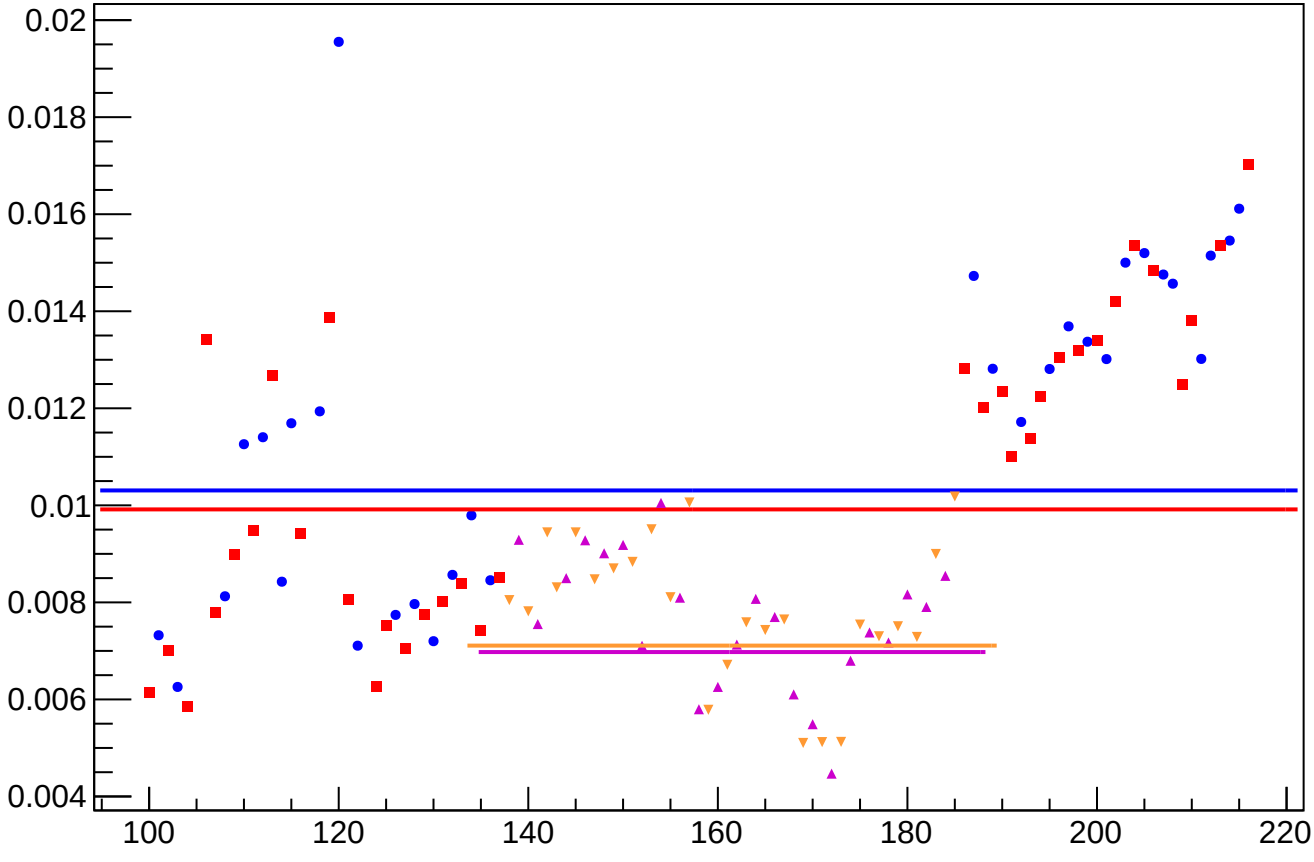
Right: 0.016+/-0.000 χ^2/NDF: 198049609045.3/65

In: 0.869+/-0.000 χ^2/NDF:298403715679.3/53

Out: 0.844+/-0.000 χ^2/NDF:325009328061.8/59

All: 0.856+/-0.000 χ^2/NDF: 623576400946.5

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: 3277583.6/34

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

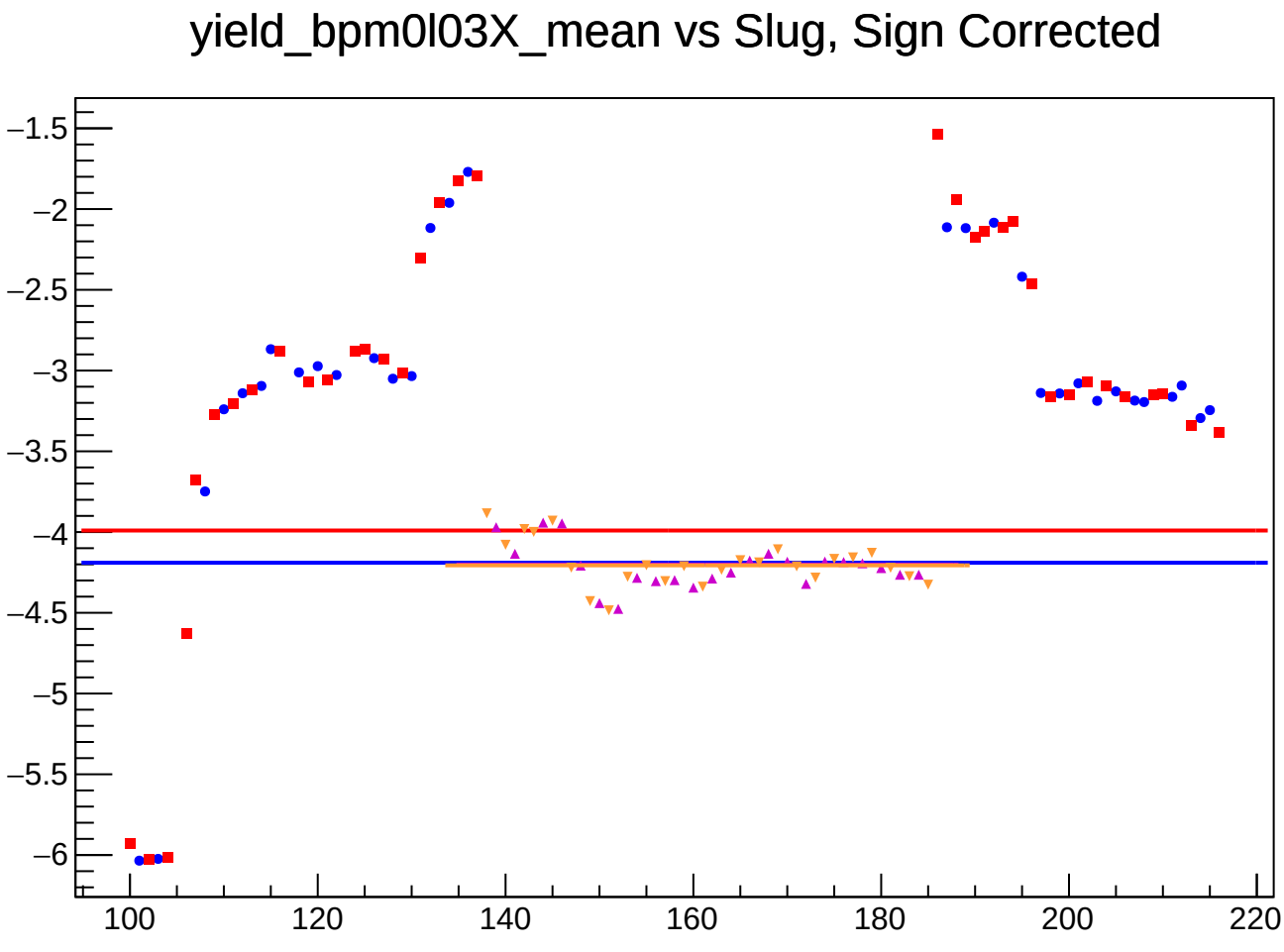
Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

Right: 0.010+/-0.000 χ^2/NDF: 6571195.9/65

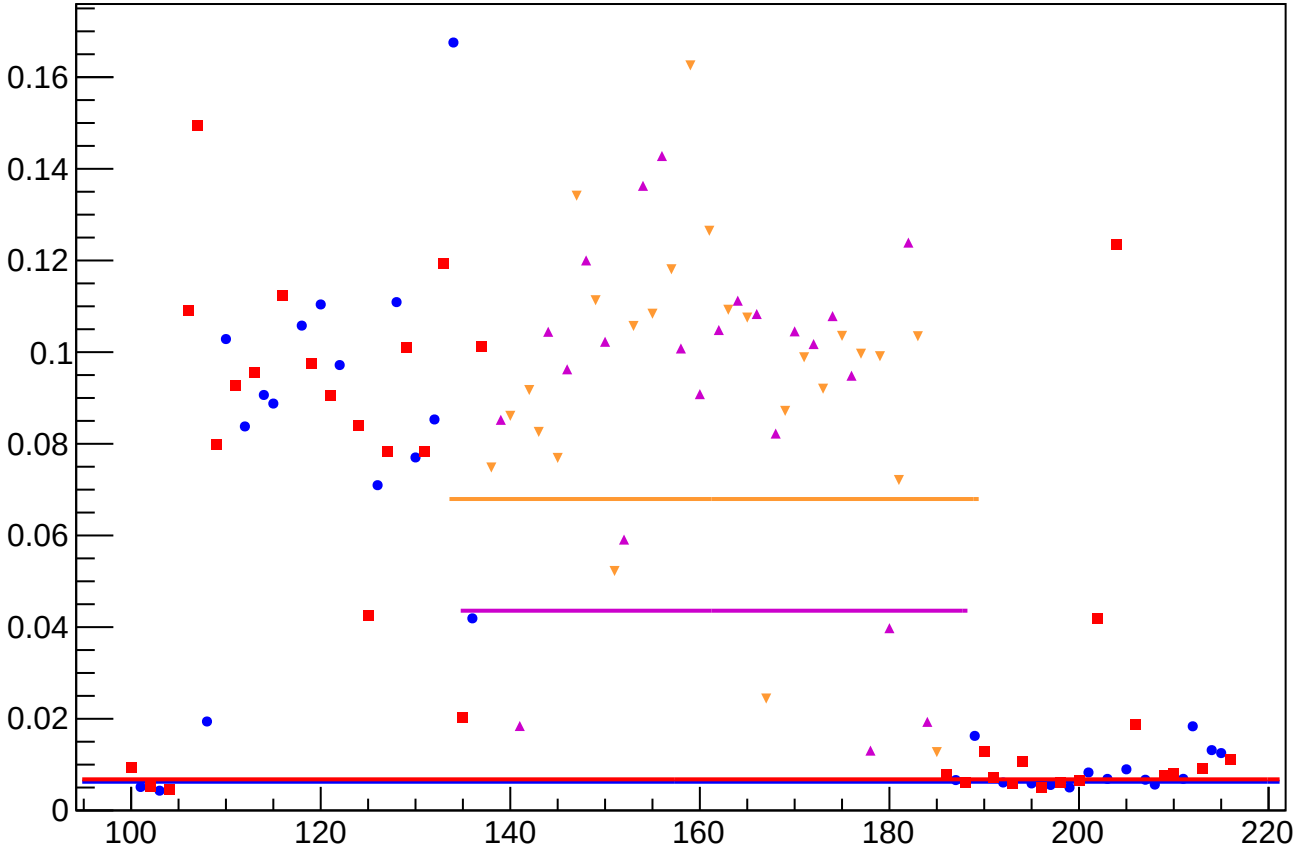
In: 0.008+/-0.000 χ^2/NDF:7068419.2/53

Out: 0.008+/-0.000 χ^2/NDF:6586735.7/59

All: 0.008+/-0.000 χ^2/NDF: 13655518.8/113


yield_bpm0l03X_mean vs Slug, Sign Corrected
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
−6
100
120
140
160
180
200
220
Right In: -4.190+/-0.000 χ²/NDF: 301970049267.0/30
Left Out: -4.206+/-0.000 χ²/NDF:61558336.8/24
Right Out: -3.990+/-0.000 χ²/NDF: 307297668723.5/34
Left In: -4.202+/-0.000 χ²/NDF:42747893.4/22
Left: -4.203+/-0.000 χ²/NDF: 104337107.5/47
Right: -4.101+/-0.000 χ²/NDF: 611463041425.7/65
In: -4.190+/-0.000 χ²/NDF:302013332311.3/53
Out: -3.996+/-0.000 χ²/NDF:307479756020.3/59
All: -4.104+/-0.000 χ²/NDF: 611636426613.9

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: 10797052.4/34

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

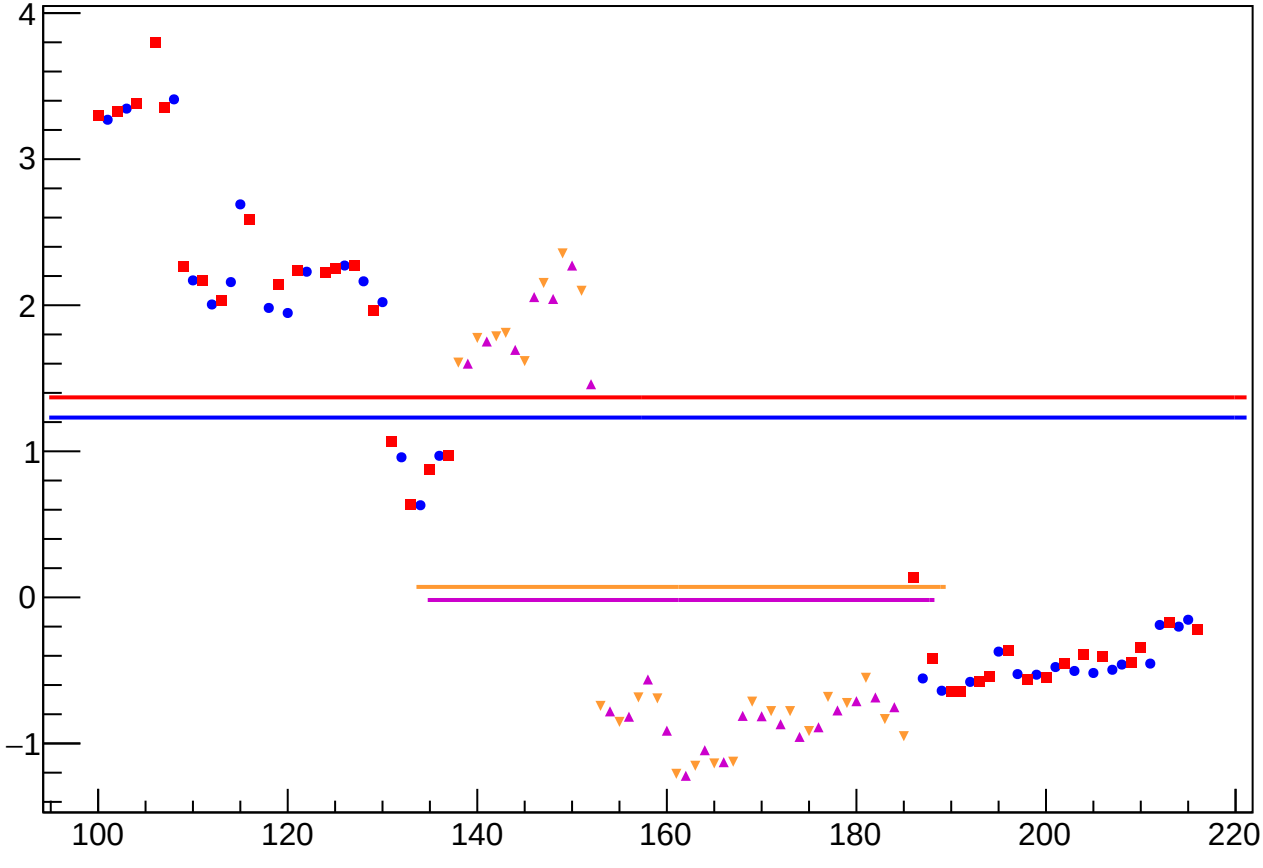
Right: 0.006+/-0.000 χ^2/NDF: 20177924.6/65

In: 0.007+/-0.000 χ^2/NDF:33141983.8/53

Out: 0.008+/-0.000 χ^2/NDF:37819259.8/59

All: 0.008+/-0.000 χ^2/NDF: 71056602.2/113

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: 1.369+/-0.000 χ^2/NDF: 212882551565.1/34

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

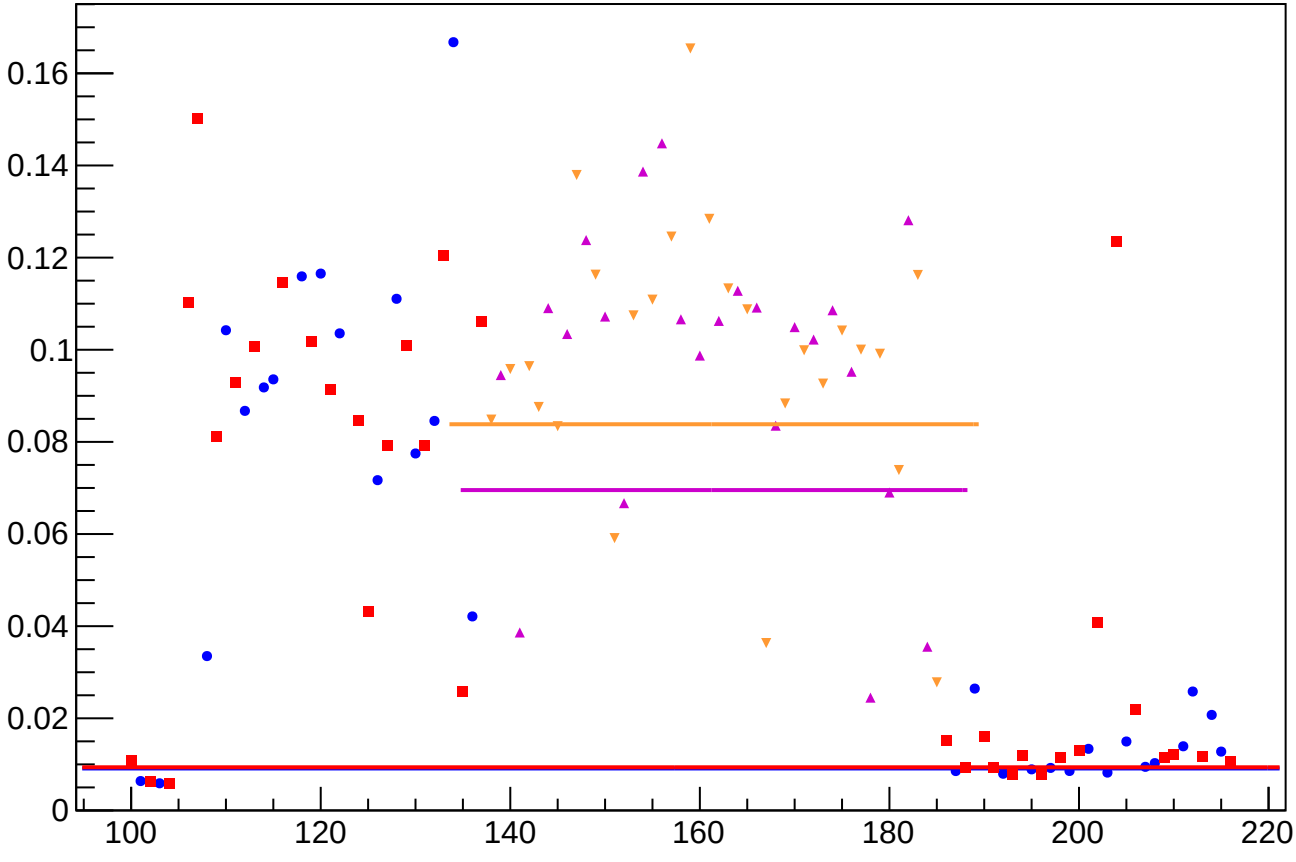
Right: 1.296+/-0.000 χ^2/NDF: 452018548831.8/65

In: 1.189+/-0.000 χ^2/NDF:245563636976.8/53

Out: 1.327+/-0.000 χ^2/NDF:219868344791.7/59

All: 1.254+/-0.000 χ^2/NDF: 466062536831.7

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: 10523583.9/34

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

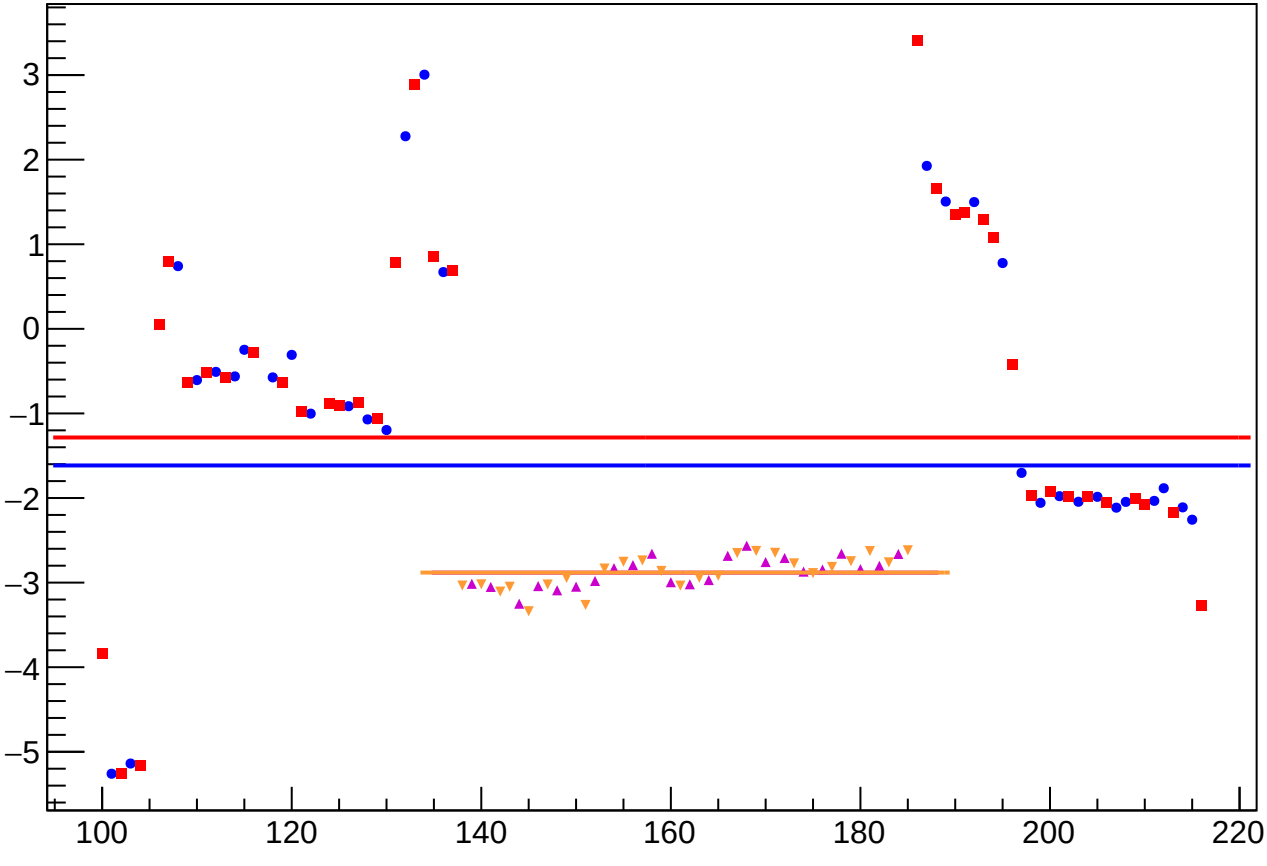
Right: 0.009+/-0.000 χ^2/NDF: 19836042.4/65

In: 0.011+/-0.000 χ^2/NDF:32783738.8/53

Out: 0.012+/-0.000 χ^2/NDF:36421321.3/59

All: 0.011+/-0.000 χ^2/NDF: 69232996.7/113

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: -1.285+/-0.000 χ^2/NDF: 243315771405.4/34

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

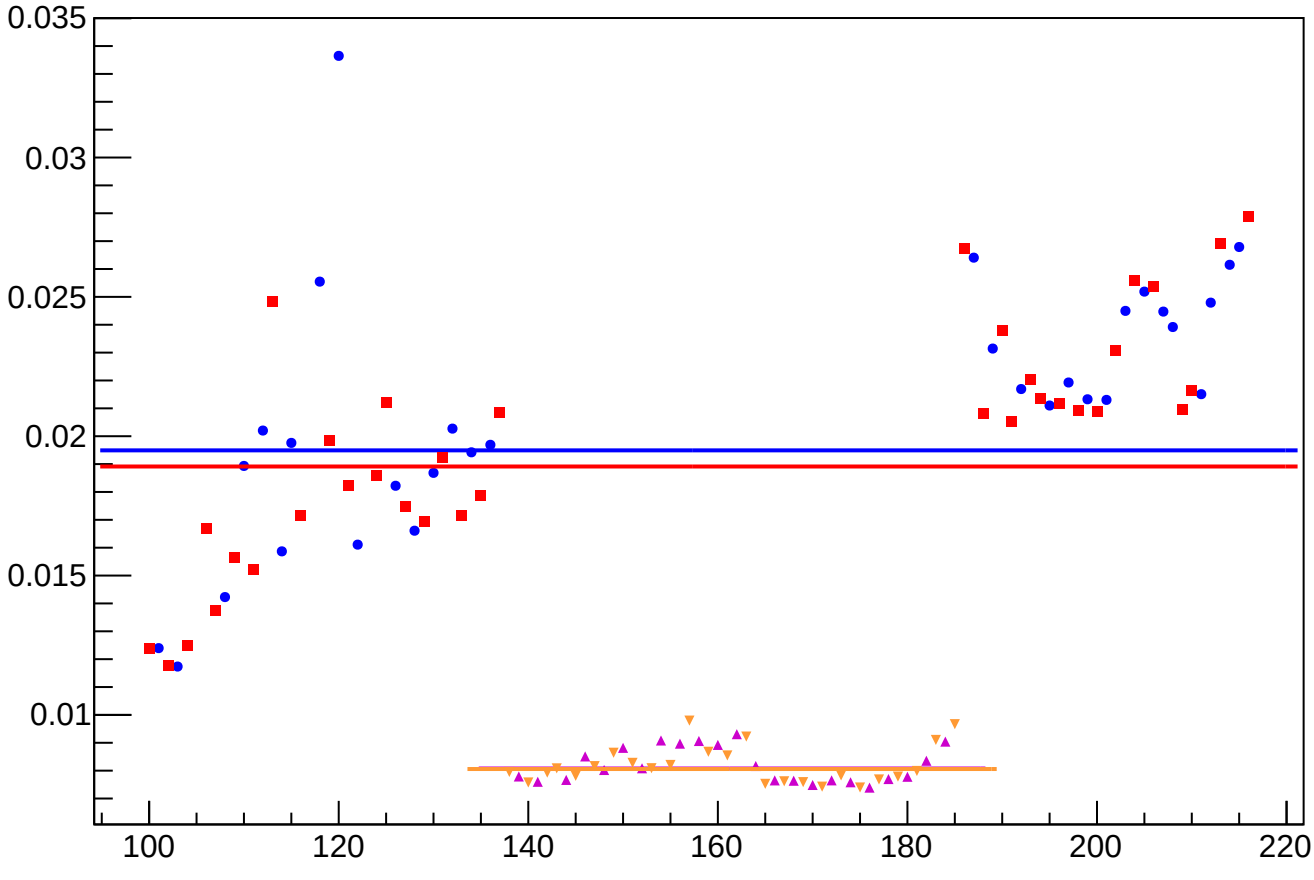
Right: -1.441+/-0.000 χ^2/NDF: 456082901960.2/65

In: -2.703+/-0.000 χ^2/NDF:279313591523.8/53

Out: -2.647+/-0.000 χ^2/NDF:359974210933.8/59

All: -2.674+/-0.000 χ^2/NDF: 639792434181.8

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: 1862268.6/34

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

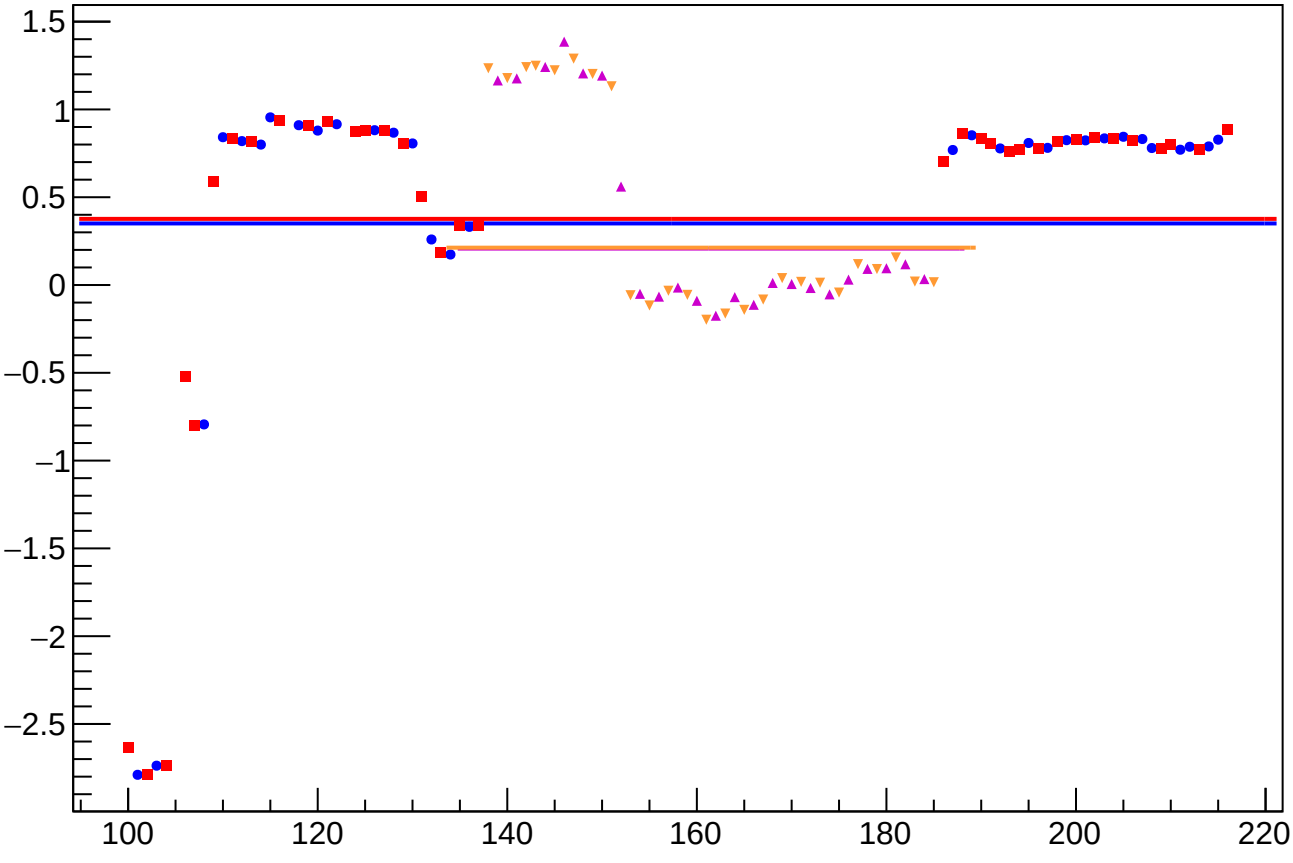
Right: 0.019+/-0.000 χ^2/NDF: 3884148.1/65

In: 0.010+/-0.000 χ^2/NDF:12048334.0/53

Out: 0.010+/-0.000 χ^2/NDF:11855368.9/59

All: 0.010+/-0.000 χ^2/NDF: 23904292.8/113

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: 0.377+/-0.000 χ^2/NDF: 1064930765875.2/34

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

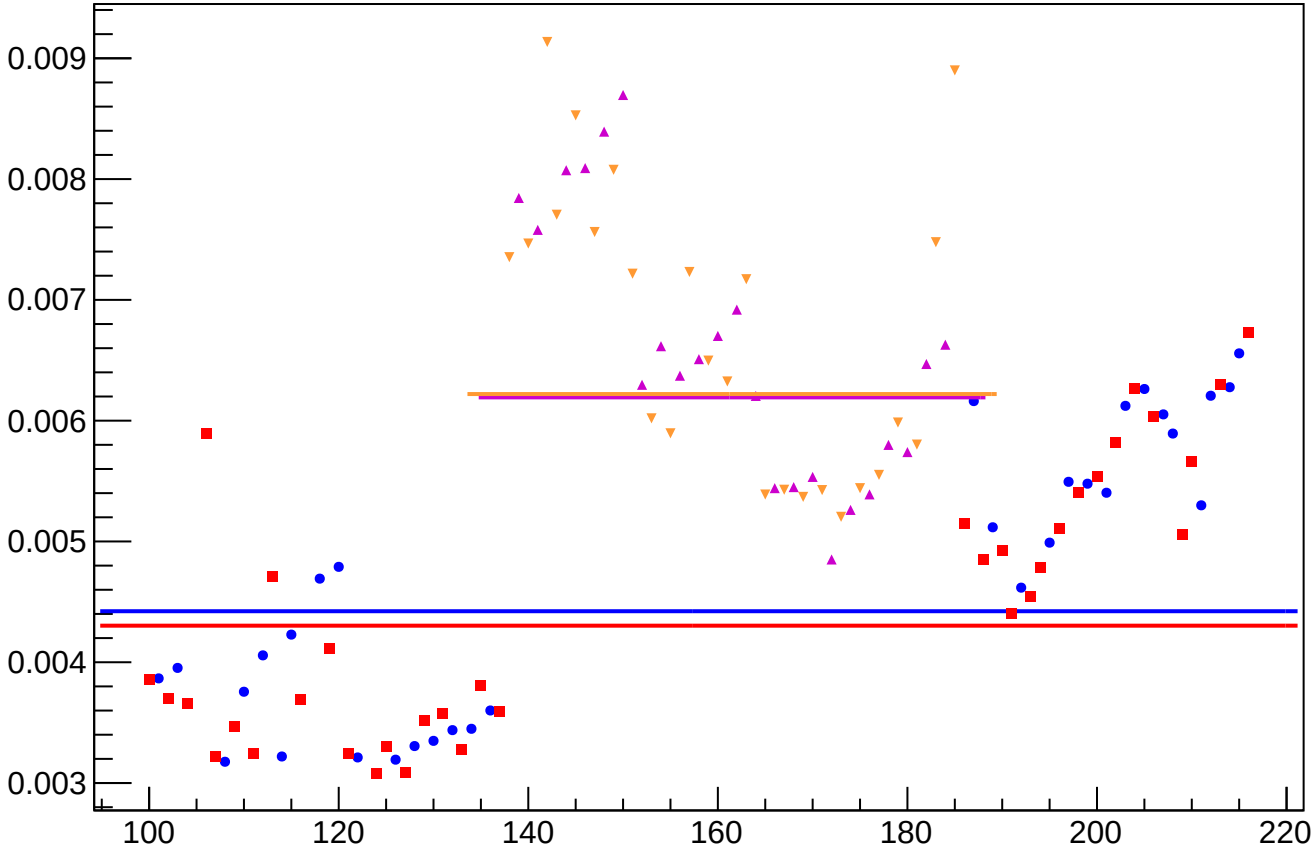
Right: 0.364+/-0.000 χ^2/NDF: 2046717224404.4/65

In: 0.305+/-0.000 χ^2/NDF:1074363412594.6/53

Out: 0.326+/-0.000 χ^2/NDF:1175756365988.0/59

All: 0.316+/-0.000 χ^2/NDF: 2250417991645.

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: 2060354.5/34

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

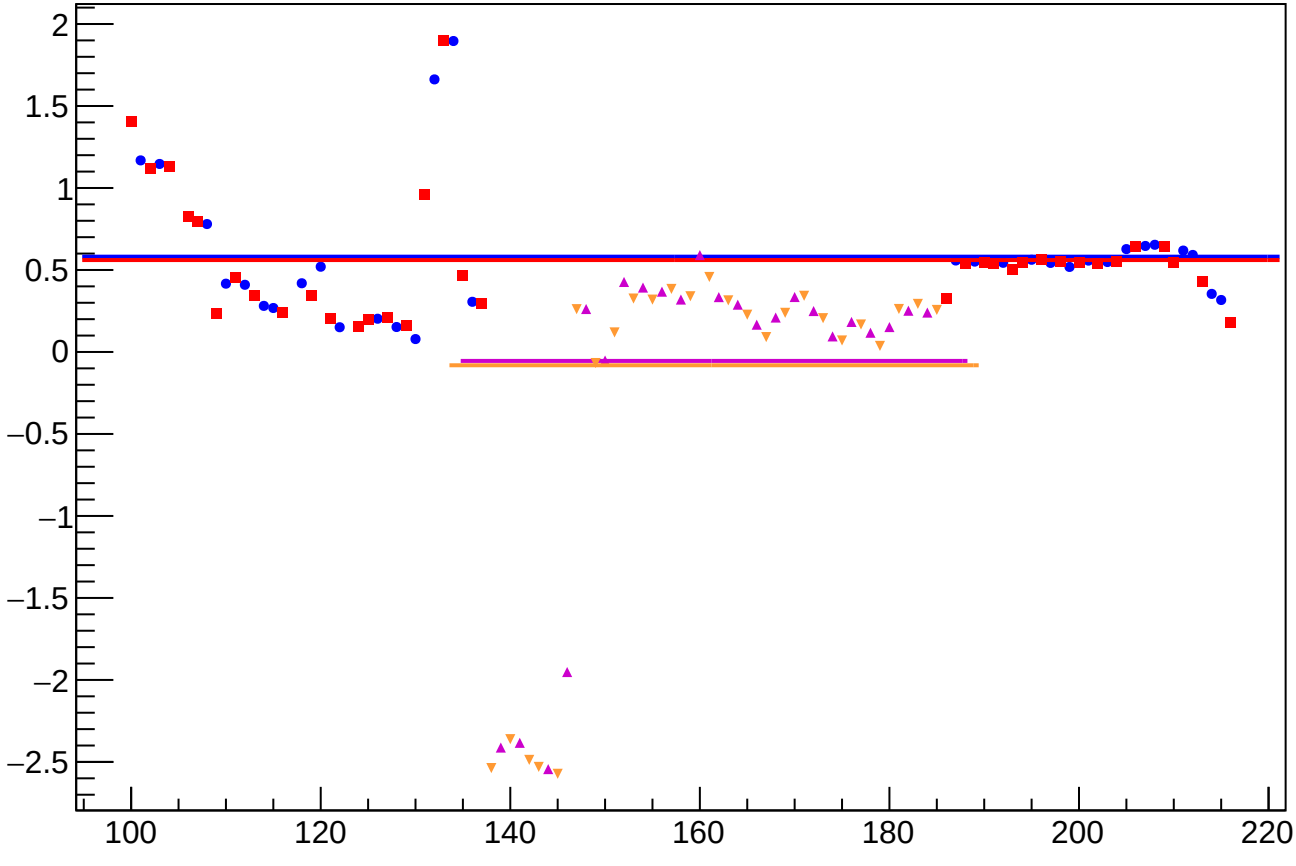
Right: 0.004+/-0.000 χ^2/NDF: 4234442.4/65

In: 0.005+/-0.000 χ^2/NDF:4743878.2/53

Out: 0.005+/-0.000 χ^2/NDF:5064124.2/59

All: 0.005+/-0.000 χ^2/NDF: 9819256.7/113

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: 0.560+/-0.000 χ^2/NDF: 53380800250.5/34

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

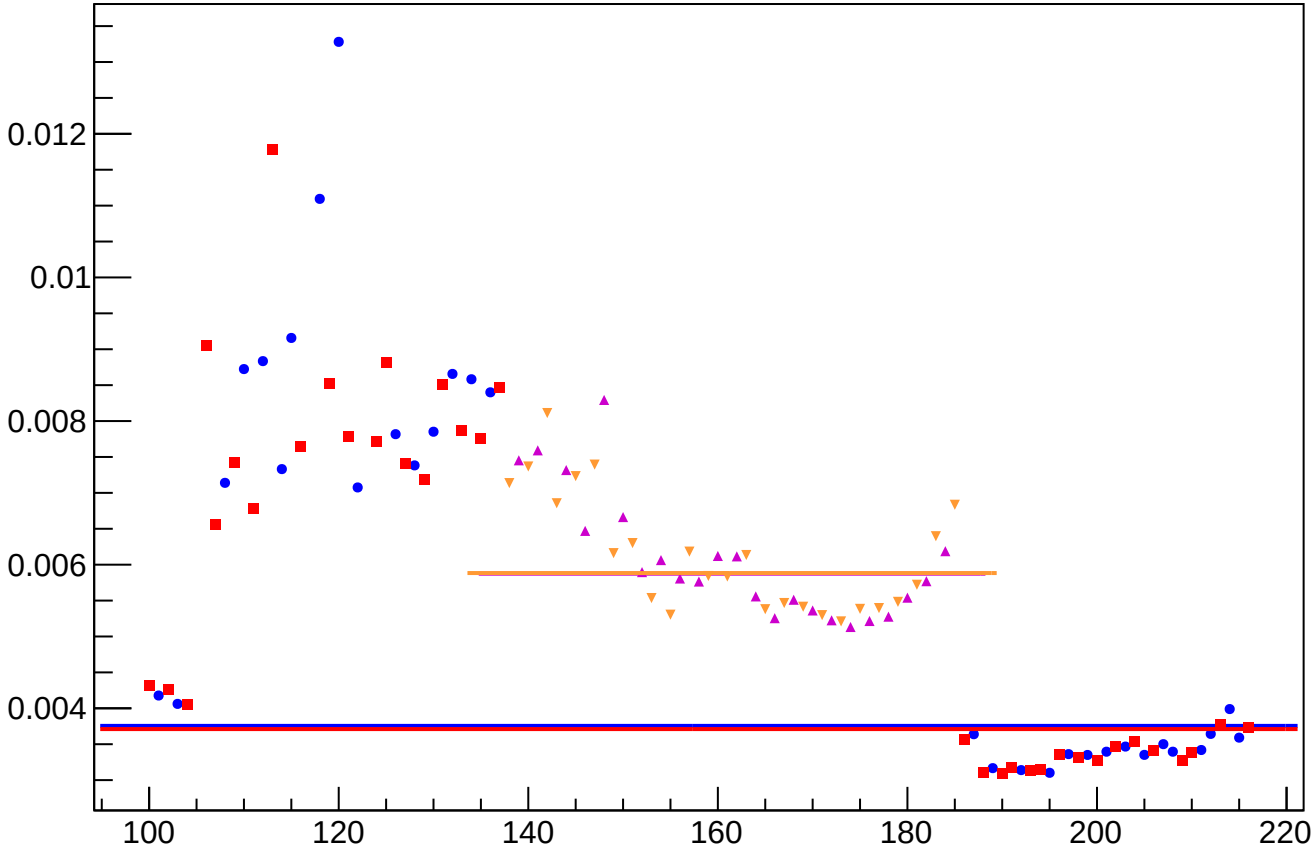
Right: 0.570+/-0.000 χ^2/NDF: 106348518052.7/65

In: 0.392+/-0.000 χ^2/NDF:537338731937.4/53

Out: 0.372+/-0.000 χ^2/NDF:588981936204.5/59

All: 0.382+/-0.000 χ^2/NDF: 1126653306122.

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: 3479614.4/34

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

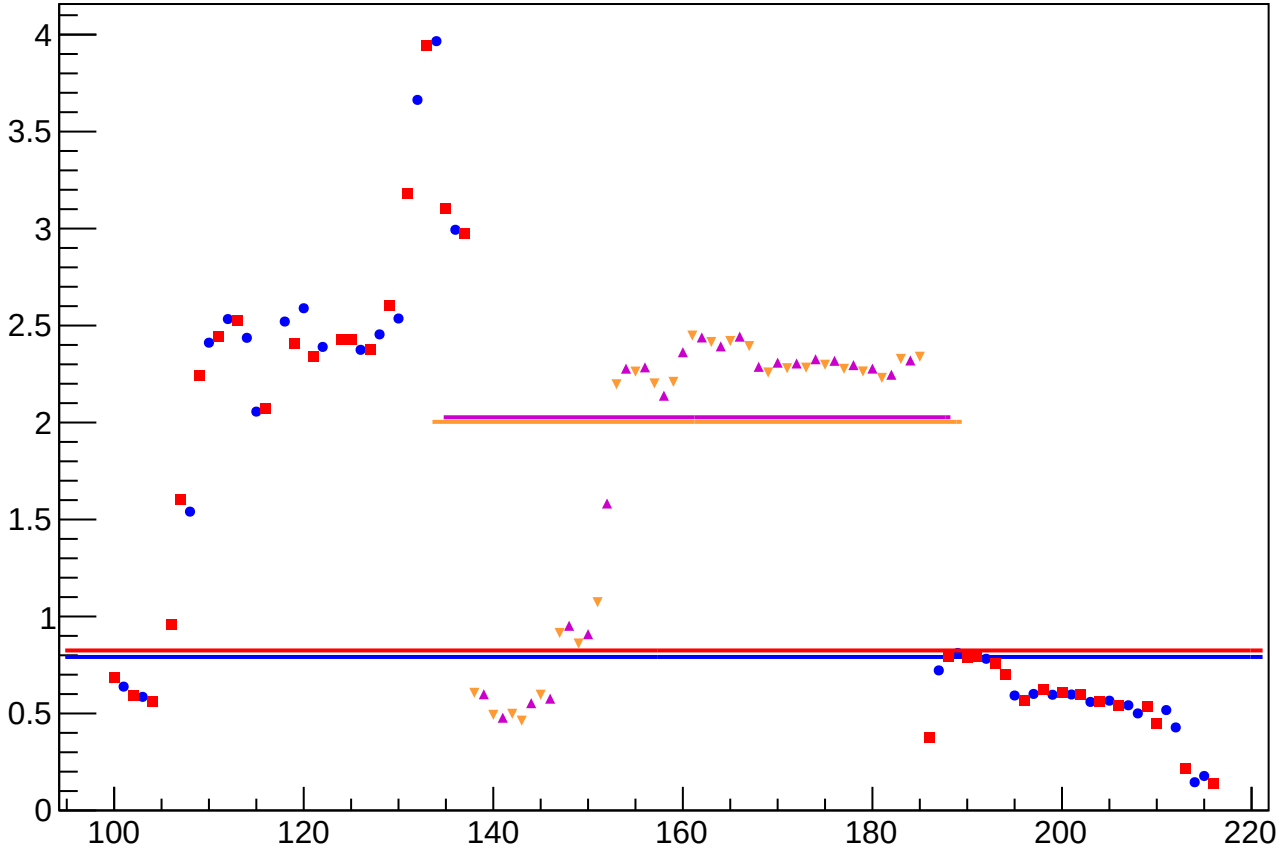
Right: 0.004+/-0.000 χ^2/NDF: 6977395.4/65

In: 0.004+/-0.000 χ^2/NDF:7075311.8/53

Out: 0.004+/-0.000 χ^2/NDF:7315347.6/59

All: 0.004+/-0.000 χ^2/NDF: 14392976.7/113

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: 0.825+/-0.000 χ^2/NDF: 298567334501.2/34

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

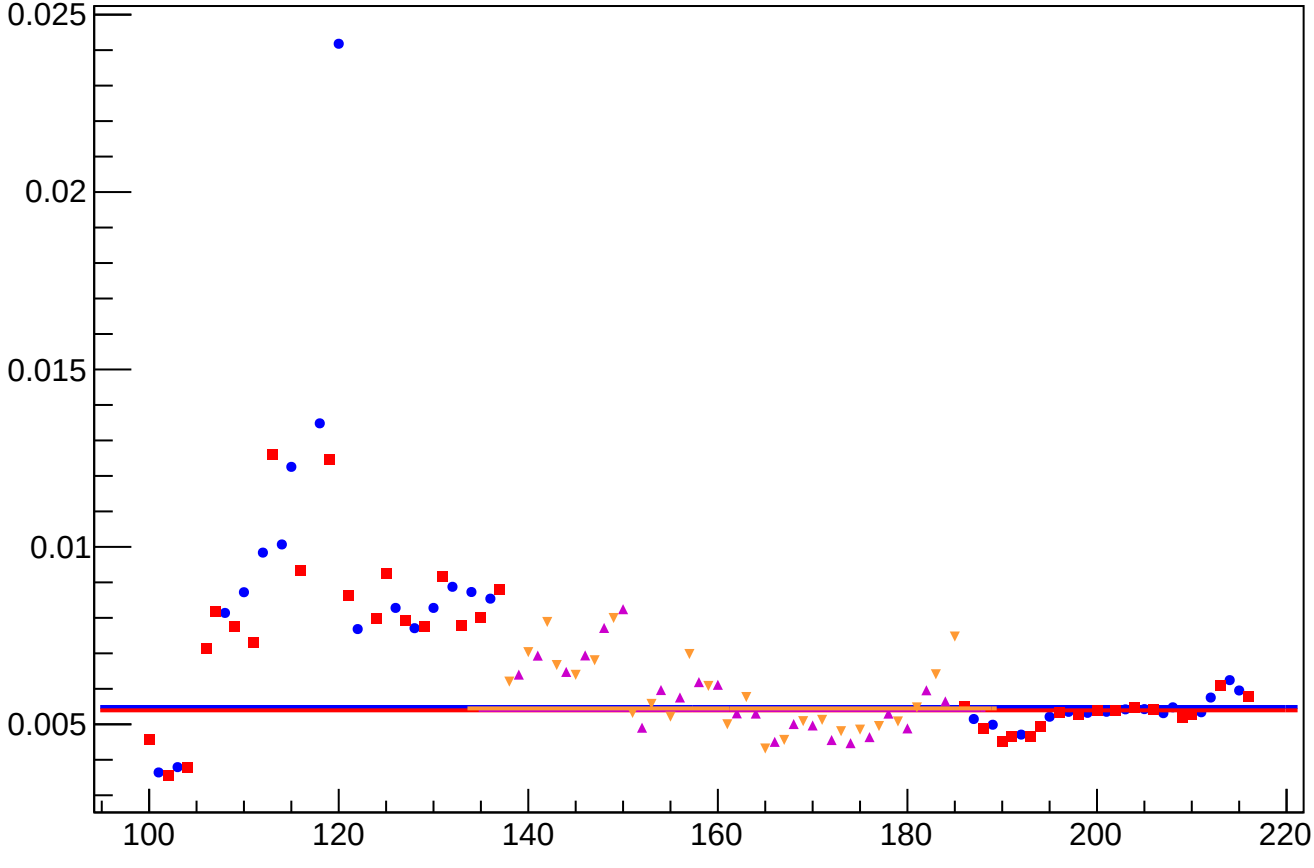
Right: 0.809+/-0.000 χ^2/NDF: 569845799407.2/65

In: 1.398+/-0.000 χ^2/NDF:878766239384.3/53

Out: 1.392+/-0.000 χ^2/NDF:915320631315.8/59

All: 1.395+/-0.000 χ^2/NDF: 1794105716030.

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: 2159905.6/34

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

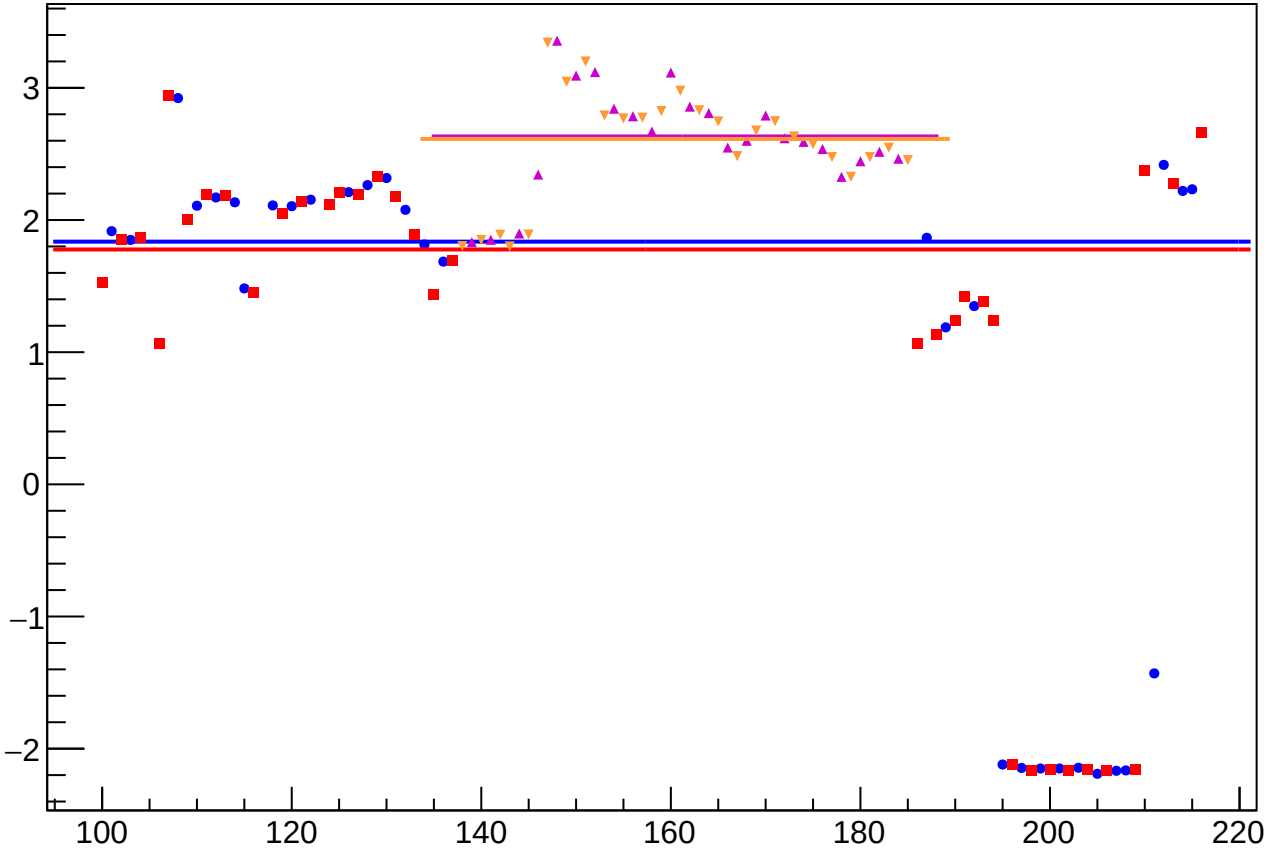
Right: 0.005+/-0.000 χ^2/NDF: 4518793.6/65

In: 0.005+/-0.000 χ^2/NDF:3172699.3/53

Out: 0.005+/-0.000 χ^2/NDF:2933058.3/59

All: 0.005+/-0.000 χ^2/NDF: 6106552.2/113

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: 1.777+/-0.000 χ^2/NDF: 169352335373.0/34

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

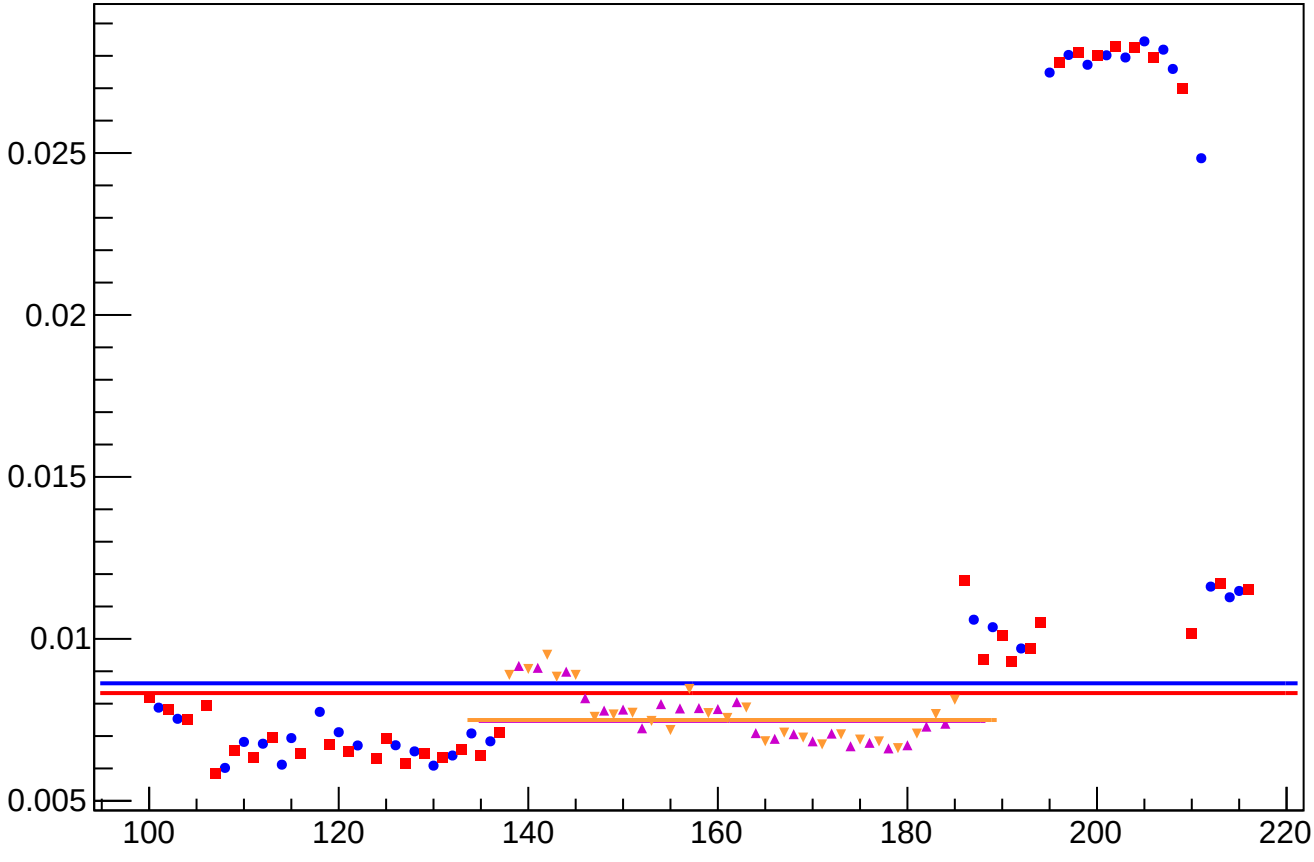
Right: 1.805+/-0.000 χ^2/NDF: 356047519432.8/65

In: 2.327+/-0.000 χ^2/NDF:302131817255.7/53

Out: 2.274+/-0.000 χ^2/NDF:307405460877.7/59

All: 2.300+/-0.000 χ^2/NDF: 610278951693.5

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: 7502622.6/34

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

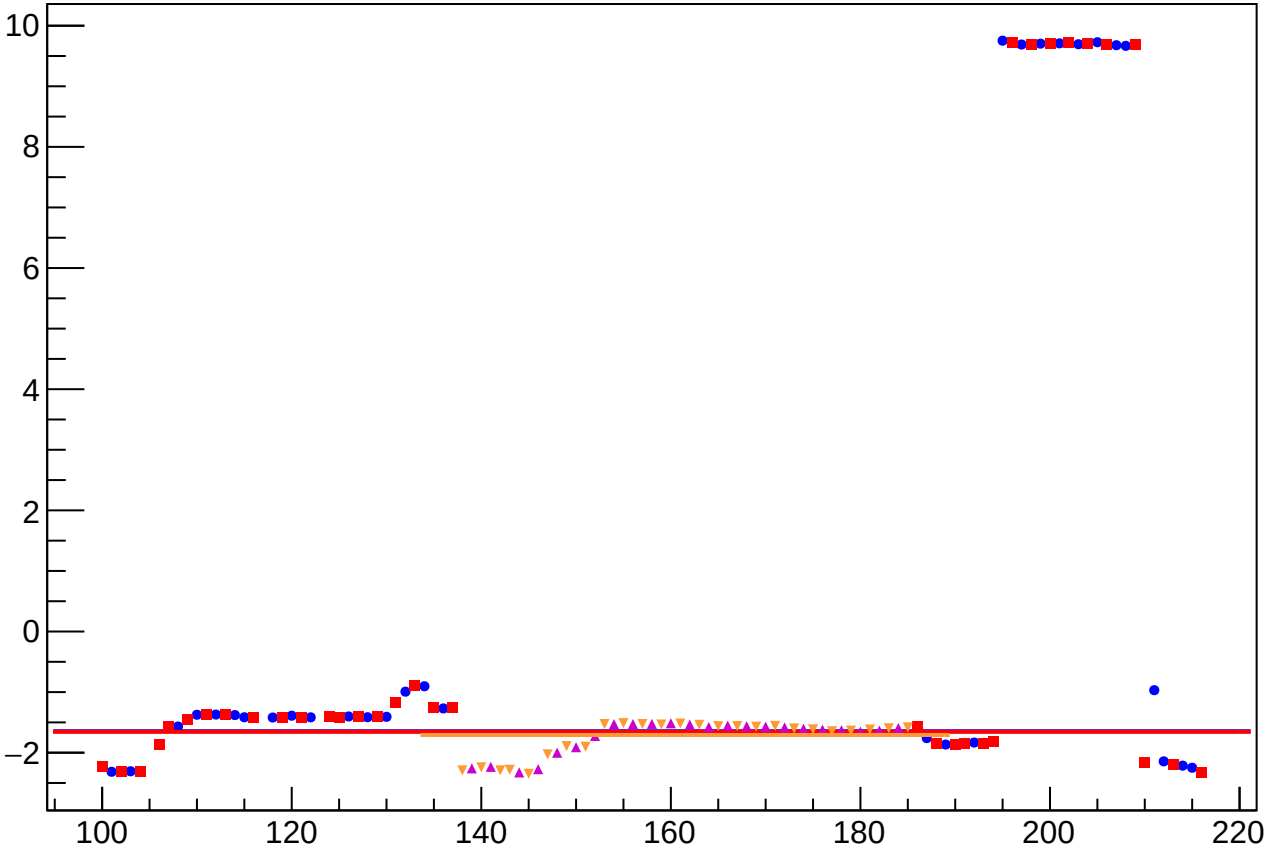
Right: 0.008+/-0.000 χ^2/NDF: 16172522.7/65

In: 0.008+/-0.000 χ^2/NDF:9293385.7/53

Out: 0.008+/-0.000 χ^2/NDF:8016547.1/59

All: 0.008+/-0.000 χ^2/NDF: 17313245.8/113

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: -1.655+/-0.000 χ^2/NDF: 450447214831.9/34

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

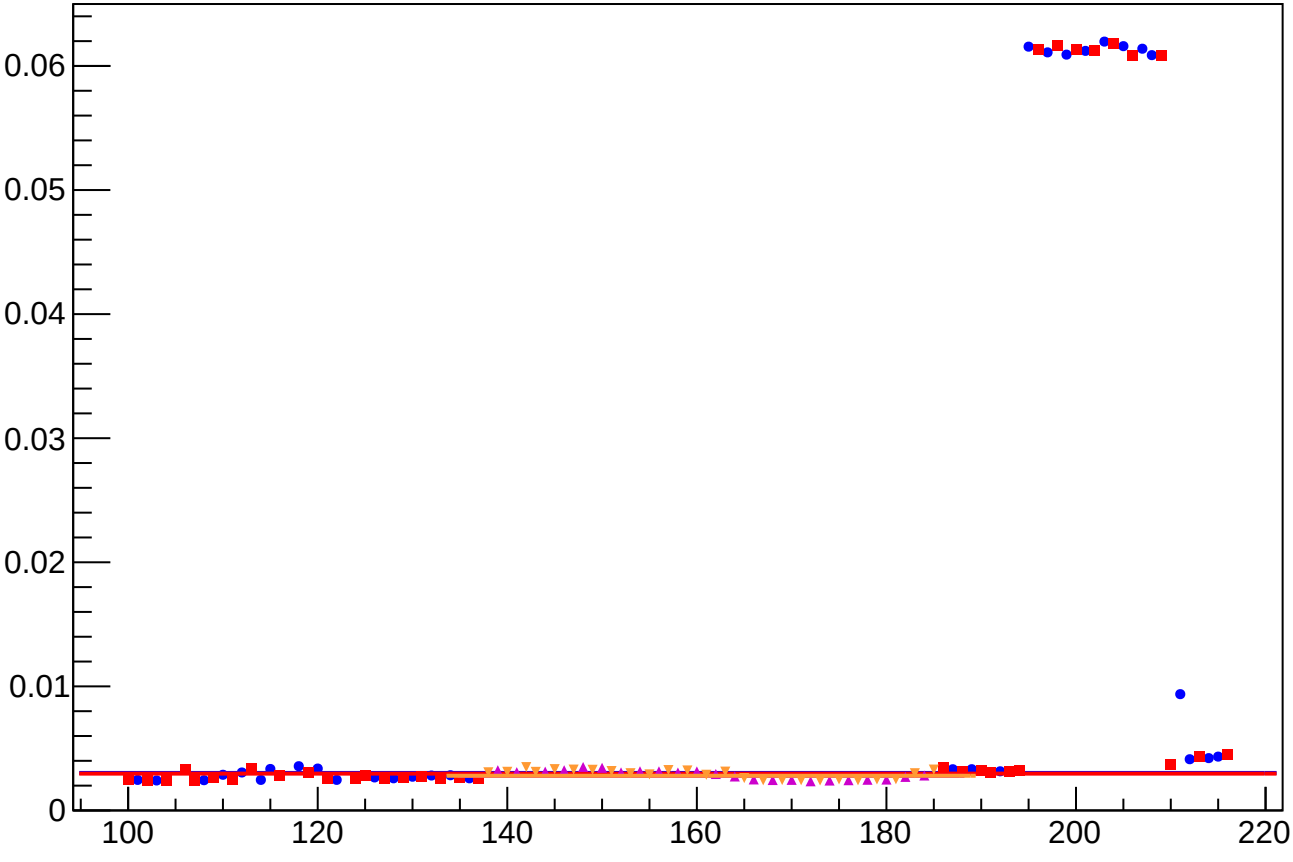
Right: -1.651+/-0.000 χ^2/NDF: 921335834865.8/65

In: -1.684+/-0.000 χ^2/NDF:610149321665.3/53

Out: -1.687+/-0.000 χ^2/NDF:604736288094.9/59

All: -1.686+/-0.000 χ^2/NDF: 1214903167500

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: 11903850.5/34

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

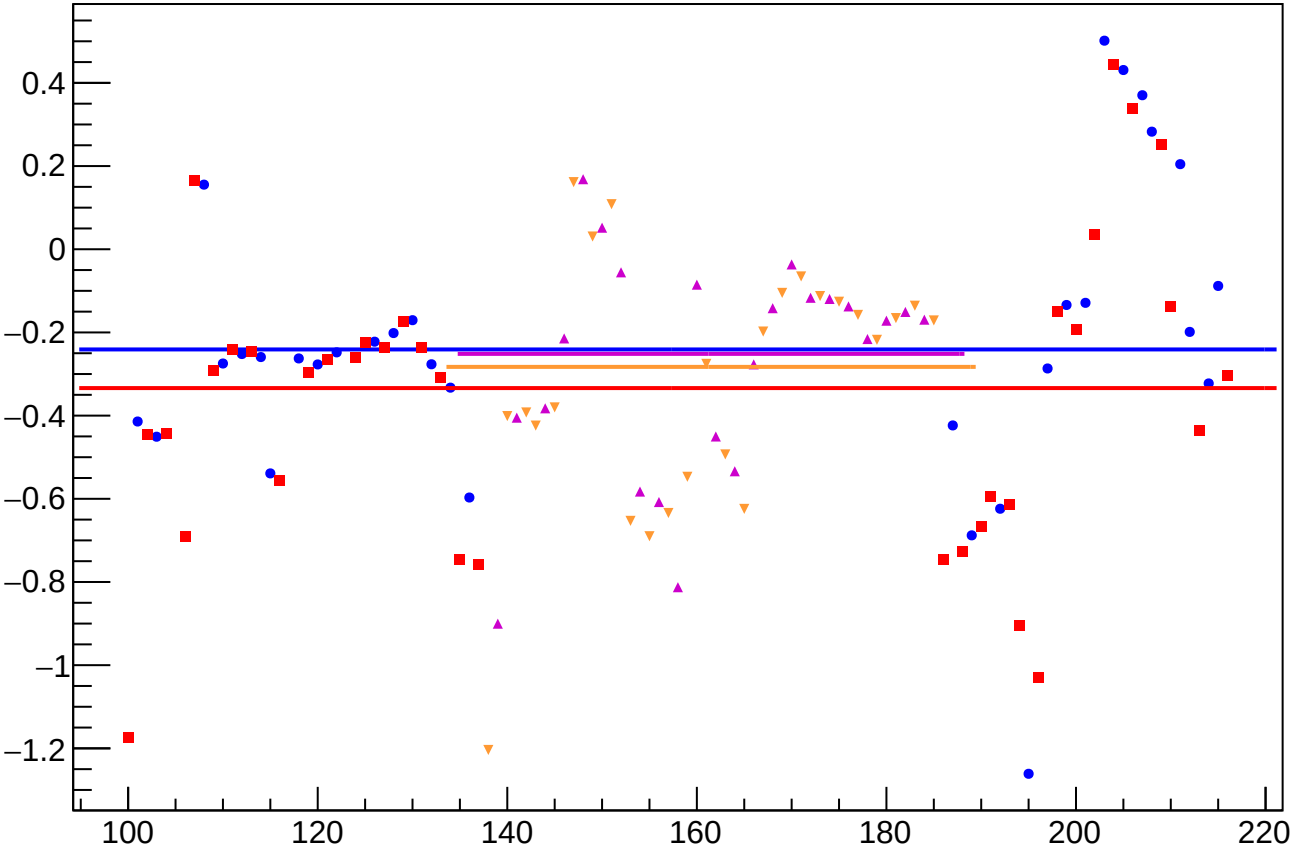
Right: 0.003+/-0.000 χ^2/NDF: 25369595.9/65

In: 0.003+/-0.000 χ^2/NDF:14109423.0/53

Out: 0.003+/-0.000 χ^2/NDF:12504342.8/59

All: 0.003+/-0.000 χ^2/NDF: 26613932.0/113

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: 9917967955.0/34

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

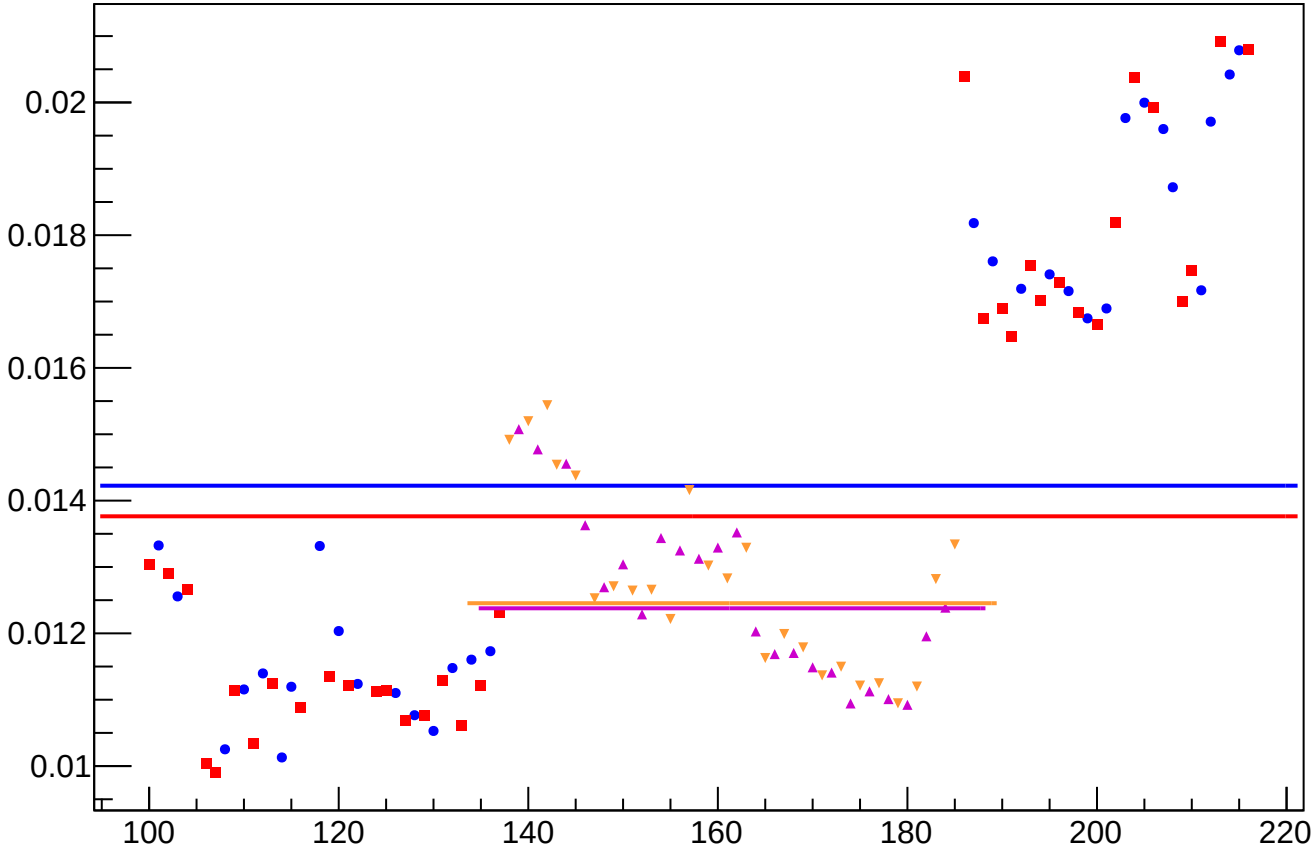
Right: -0.289+/-0.000 χ^2/NDF: 20080887146.5/65

In: -0.247+/-0.000 χ^2/NDF:16944438309.7/53

Out: -0.306+/-0.000 χ^2/NDF:19398177495.5/59

All: -0.277+/-0.000 χ^2/NDF: 36697312708.6/

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: 2293725.4/34

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

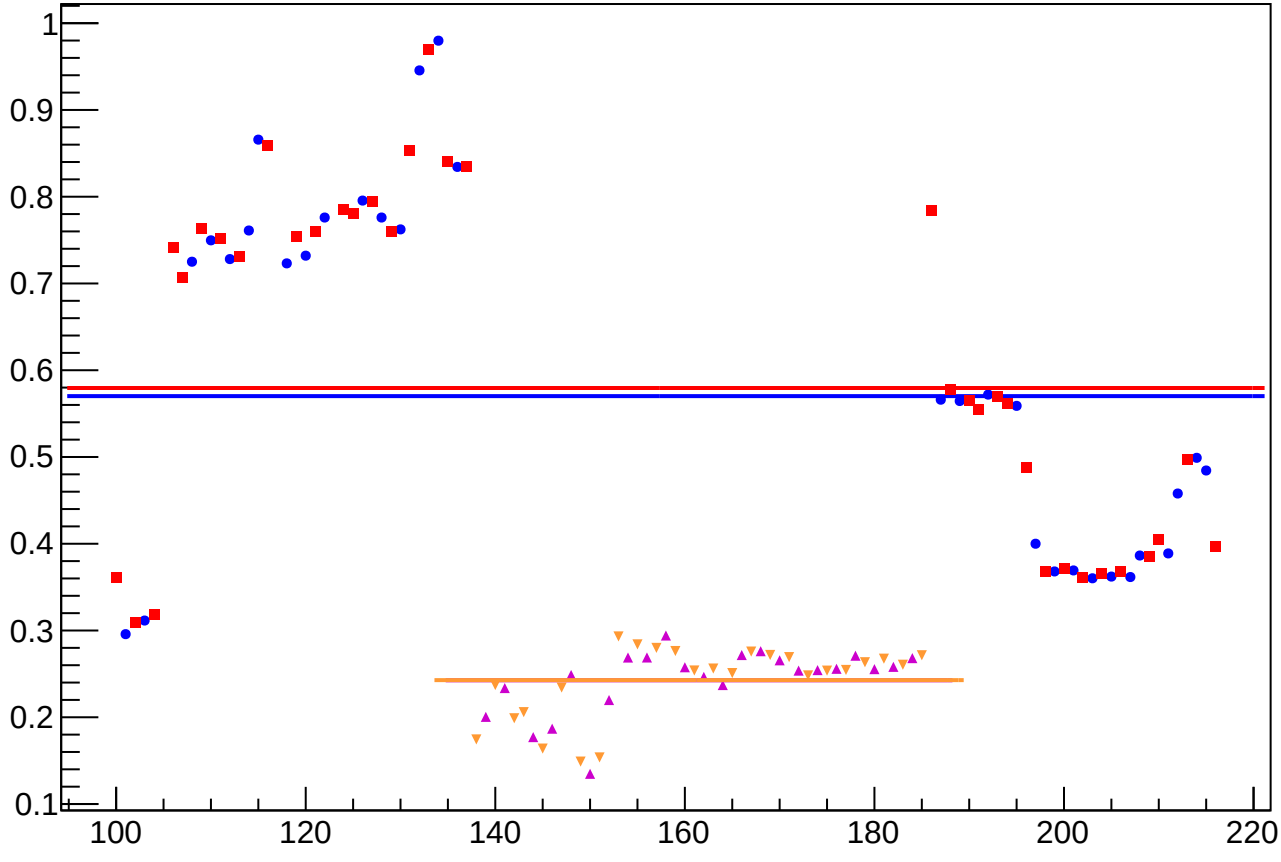
Right: 0.014+/-0.000 χ^2/NDF: 4451444.8/65

In: 0.013+/-0.000 χ^2/NDF:2800094.2/53

Out: 0.013+/-0.000 χ^2/NDF:2815496.0/59

All: 0.013+/-0.000 χ^2/NDF: 5619631.1/113

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: 0.580+/-0.000 χ^2/NDF: 95261668336.4/34

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

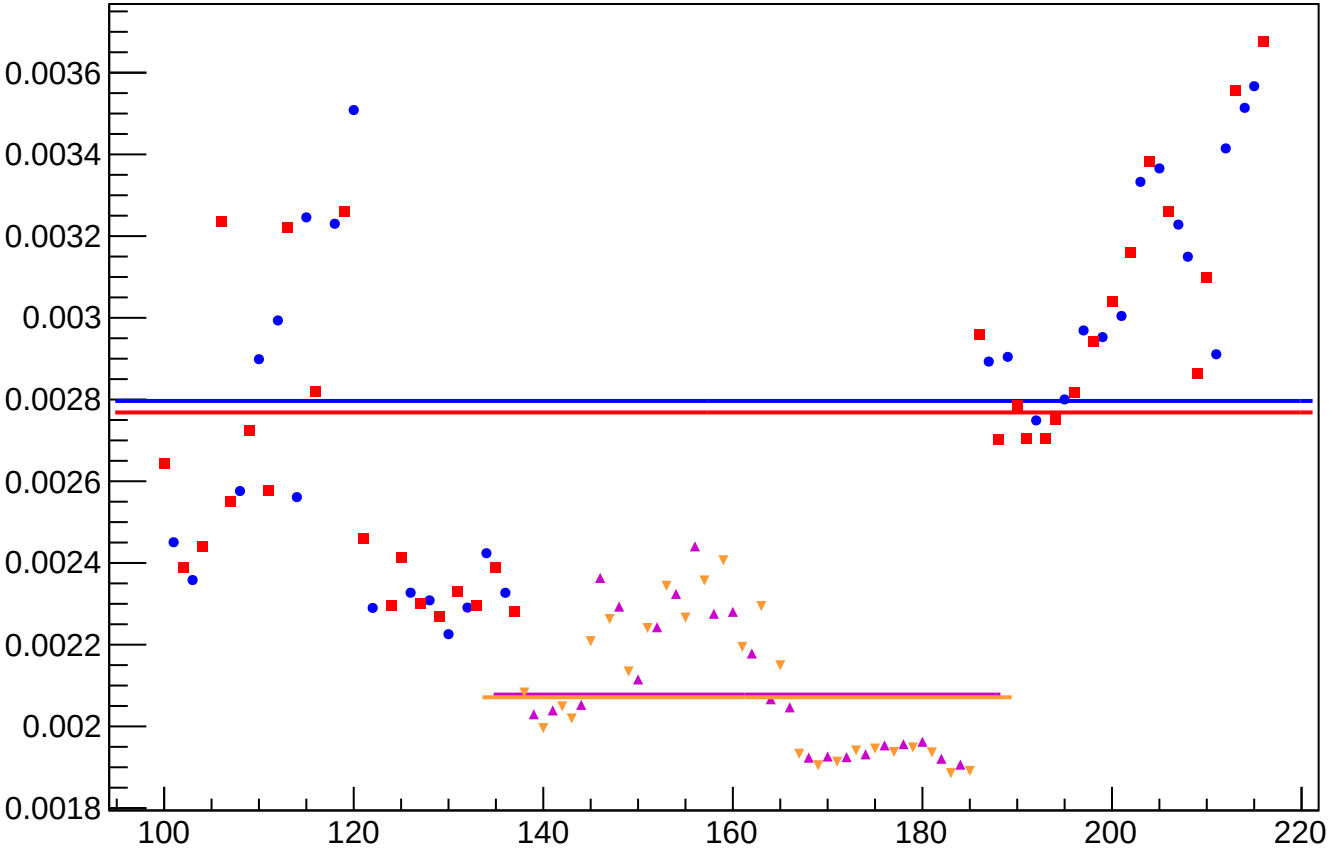
Right: 0.575+/-0.000 χ^2/NDF: 194286787701.8/65

In: 0.360+/-0.000 χ^2/NDF:265552464092.4/53

Out: 0.362+/-0.000 χ^2/NDF:281462661206.7/59

All: 0.361+/-0.000 χ^2/NDF: 547035065219.9

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: 680841.7/34

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

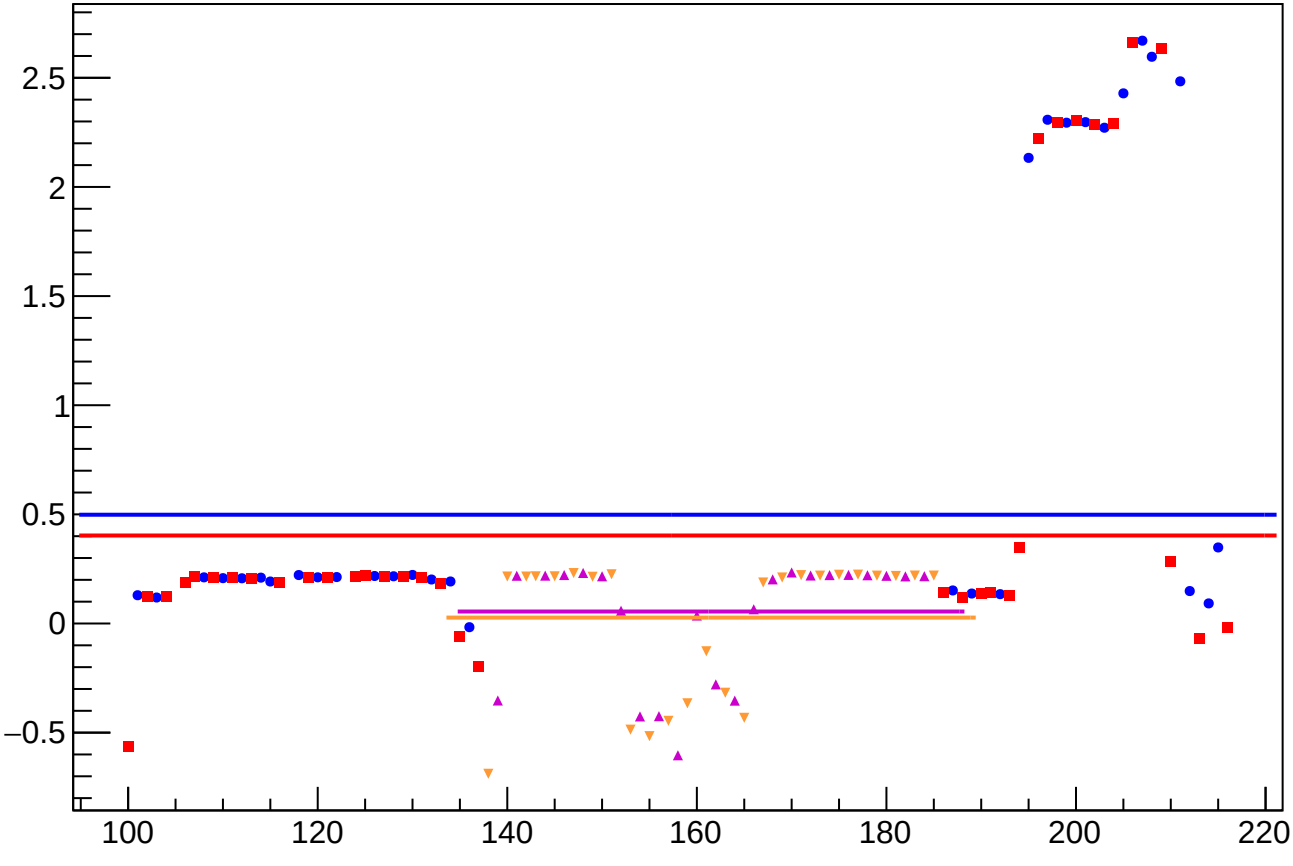
Right: 0.003+/-0.000 χ^2/NDF: 1500723.9/65

In: 0.002+/-0.000 χ^2/NDF:2578161.1/53

Out: 0.002+/-0.000 χ^2/NDF:2448720.6/59

All: 0.002+/-0.000 χ^2/NDF: 5028714.6/113

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: 0.403+/-0.000 χ^2/NDF: 55136943417.6/34

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

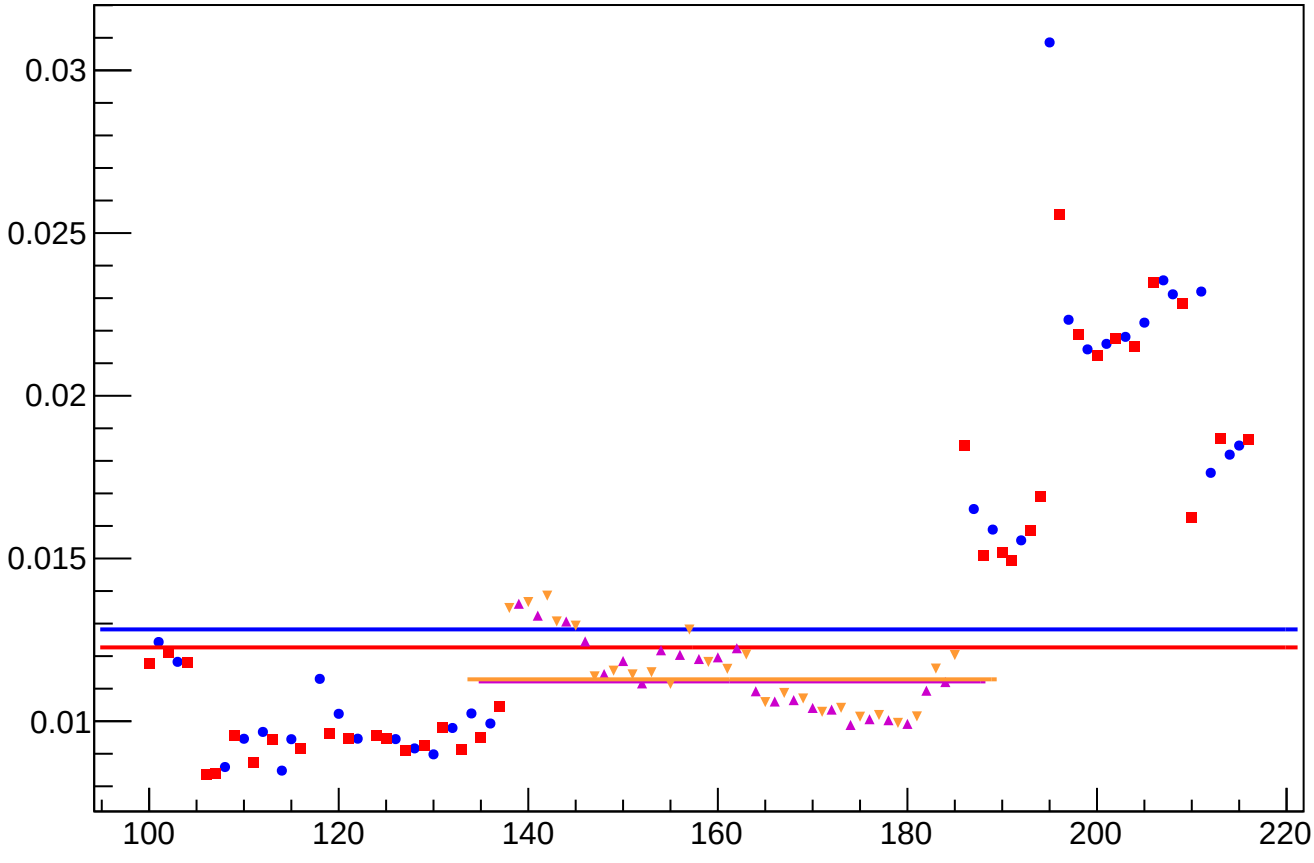
Right: 0.448+/-0.000 χ^2/NDF: 117384687265.1/65

In: 0.240+/-0.000 χ^2/NDF:82798913759.3/53

Out: 0.192+/-0.000 χ^2/NDF:77017093735.4/59

All: 0.215+/-0.000 χ^2/NDF: 160104690729.7

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: 4687621.1/34

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

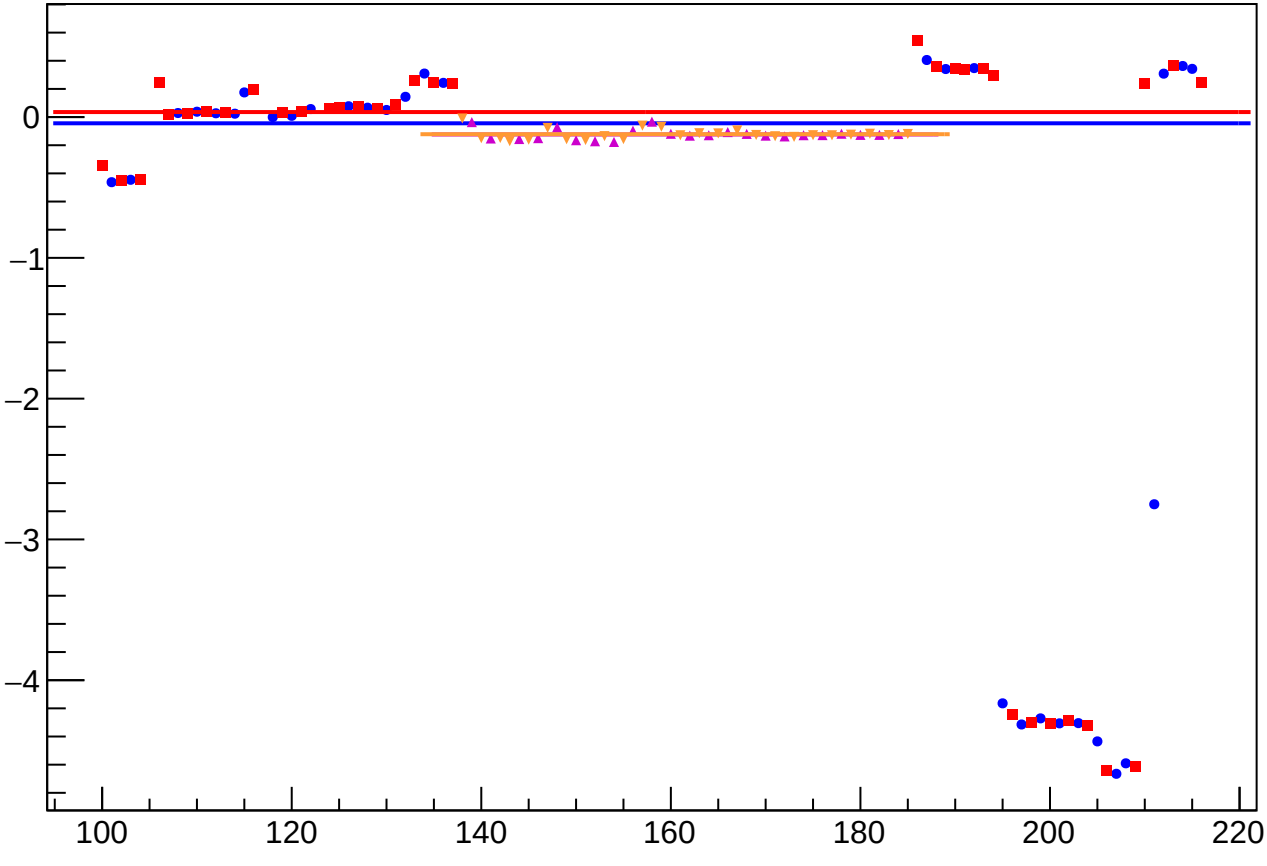
Right: 0.013+/-0.000 χ^2/NDF: 9704693.3/65

In: 0.012+/-0.000 χ^2/NDF:5594356.4/53

Out: 0.012+/-0.000 χ^2/NDF:5137117.5/59

All: 0.012+/-0.000 χ^2/NDF: 10738963.8/113

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: 0.036+/-0.000 χ^2/NDF: 399716609224.7/34

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

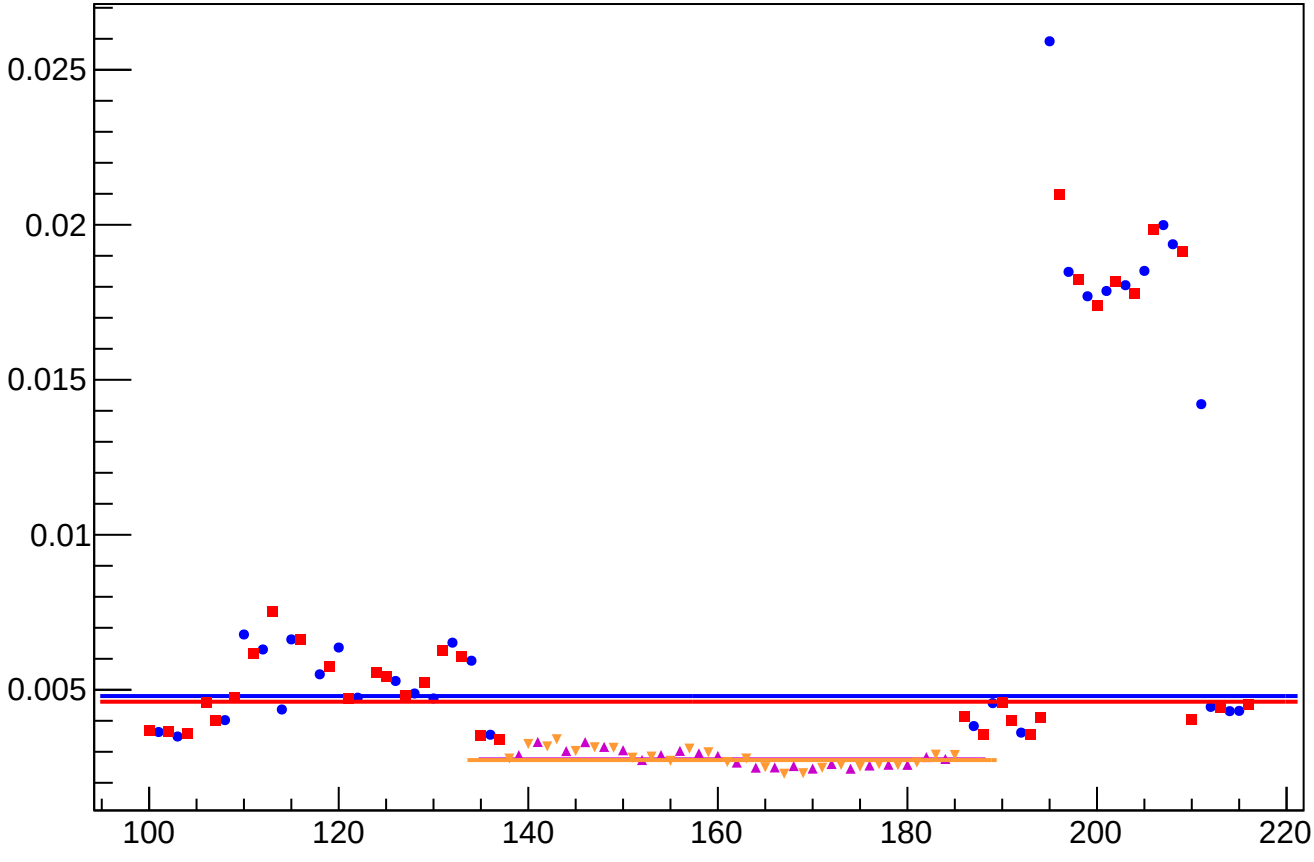
Right: -0.001+/-0.000 χ^2/NDF: 838999071796.0/65

In: -0.108+/-0.000 χ^2/NDF:443023574357.3/53

Out: -0.088+/-0.000 χ^2/NDF:415783892922.6/59

All: -0.097+/-0.000 χ^2/NDF: 859392743419.9

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: 8009741.7/34

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

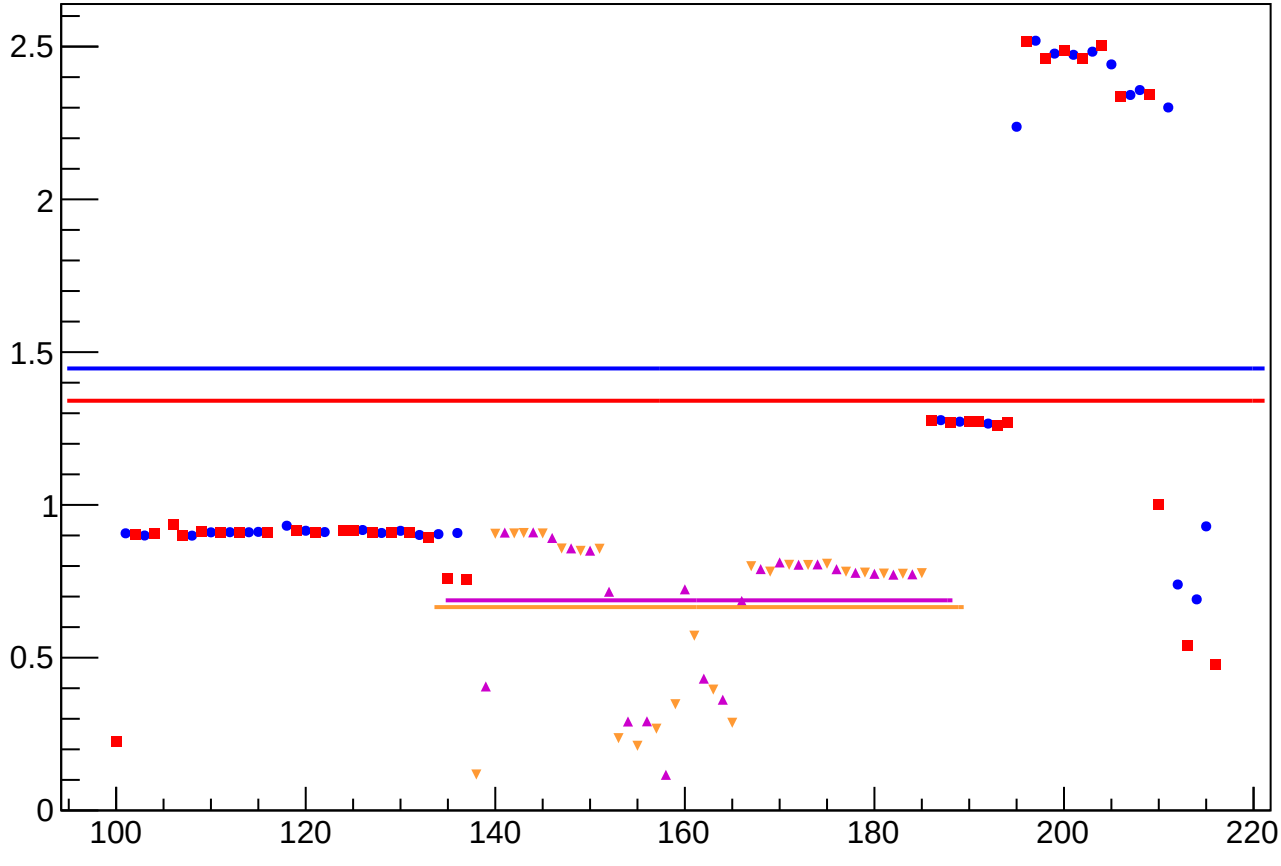
Right: 0.005+/-0.000 χ^2/NDF: 17377490.9/65

In: 0.003+/-0.000 χ^2/NDF:13502876.8/53

Out: 0.003+/-0.000 χ^2/NDF:12161676.0/59

All: 0.003+/-0.000 χ^2/NDF: 25667380.1/113

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: 1.341+/-0.000 χ^2/NDF: 55361787712.5/34

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

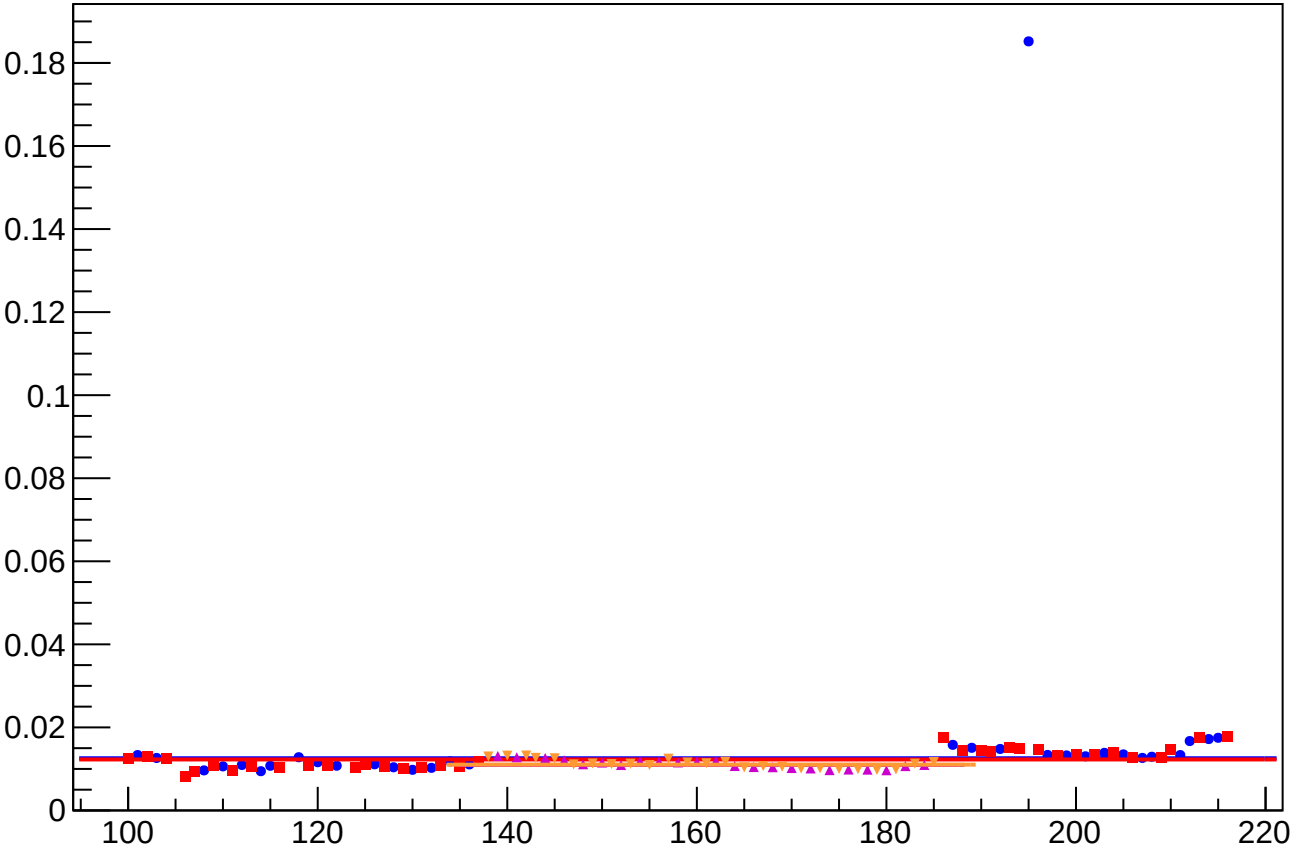
Right: 1.392+/-0.000 χ^2/NDF: 112787482855.7/65

In: 1.016+/-0.000 χ^2/NDF:99901438493.9/53

Out: 0.964+/-0.000 χ^2/NDF:95062675161.4/59

All: 0.989+/-0.000 χ^2/NDF: 195319313694.7

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: 1145799.1/34

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

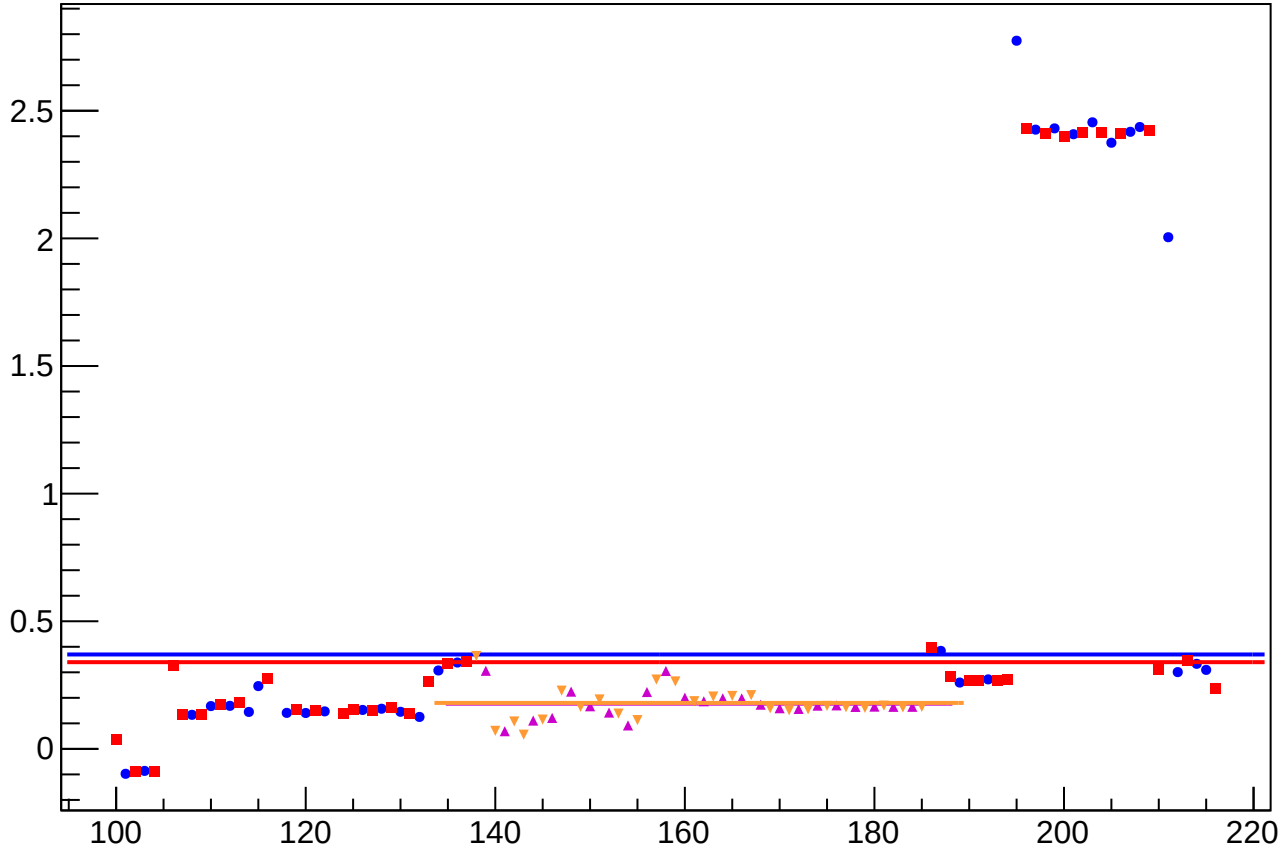
Right: 0.012+/-0.000 χ^2/NDF: 3566267.2/65

In: 0.012+/-0.000 χ^2/NDF:3020699.1/53

Out: 0.012+/-0.000 χ^2/NDF:1654047.1/59

All: 0.012+/-0.000 χ^2/NDF: 4676306.8/113

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: 0.340+/-0.000 χ^2/NDF: 163796289873.1/34

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

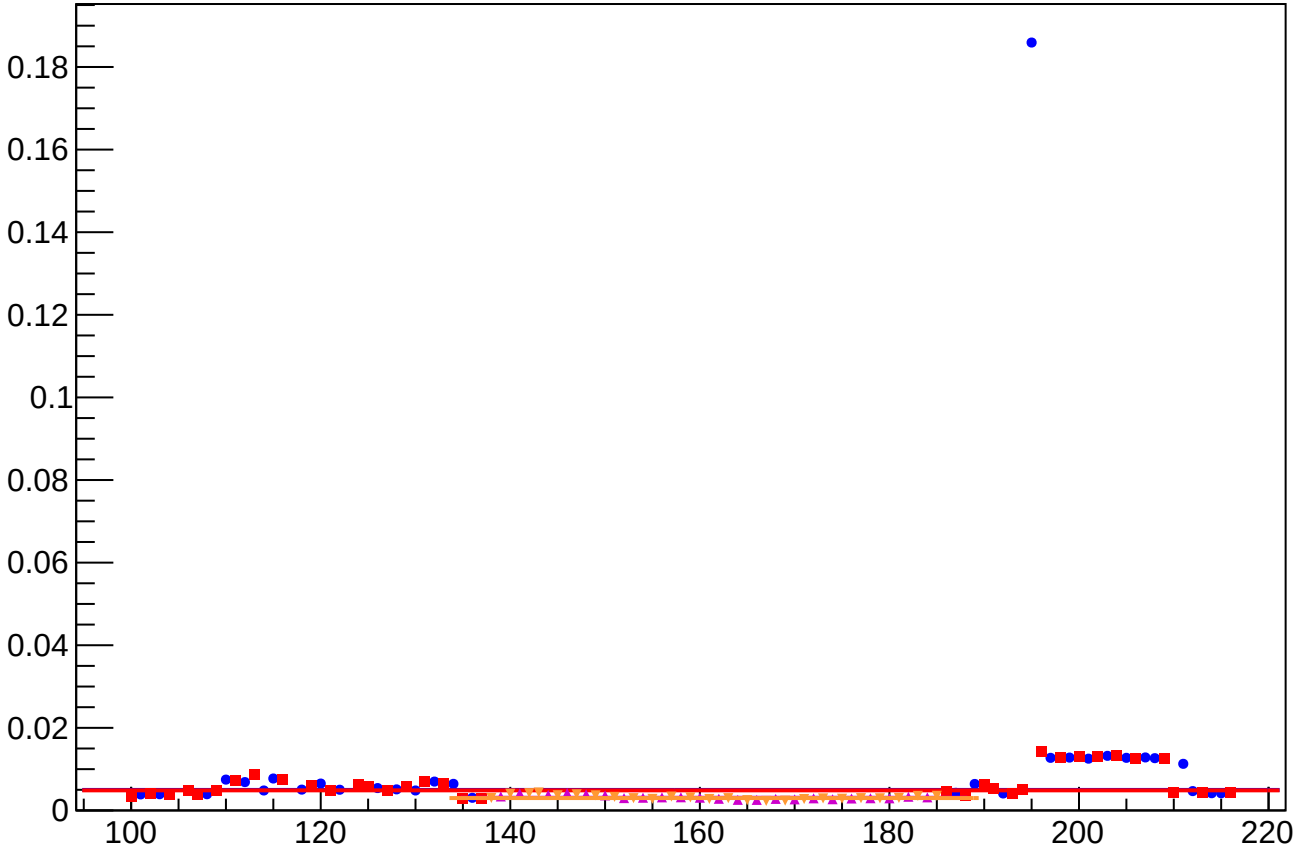
Right: 0.354+/-0.000 χ^2/NDF: 355522393818.4/65

In: 0.223+/-0.000 χ^2/NDF:211846963684.5/53

Out: 0.218+/-0.000 χ^2/NDF:182147372997.3/59

All: 0.221+/-0.000 χ^2/NDF: 394027486165.9

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: 5965338.0/34

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

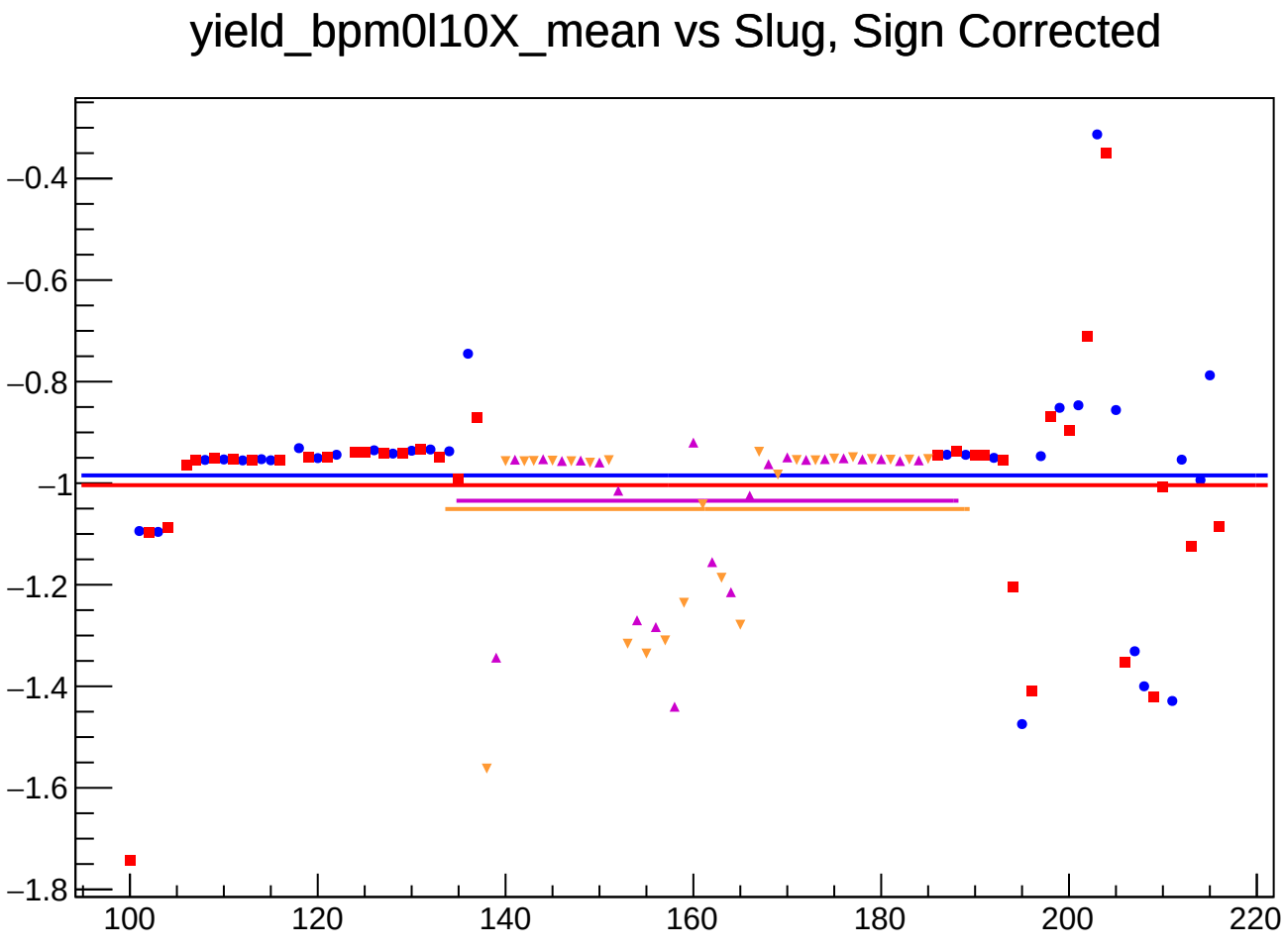
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 13903361.2/65

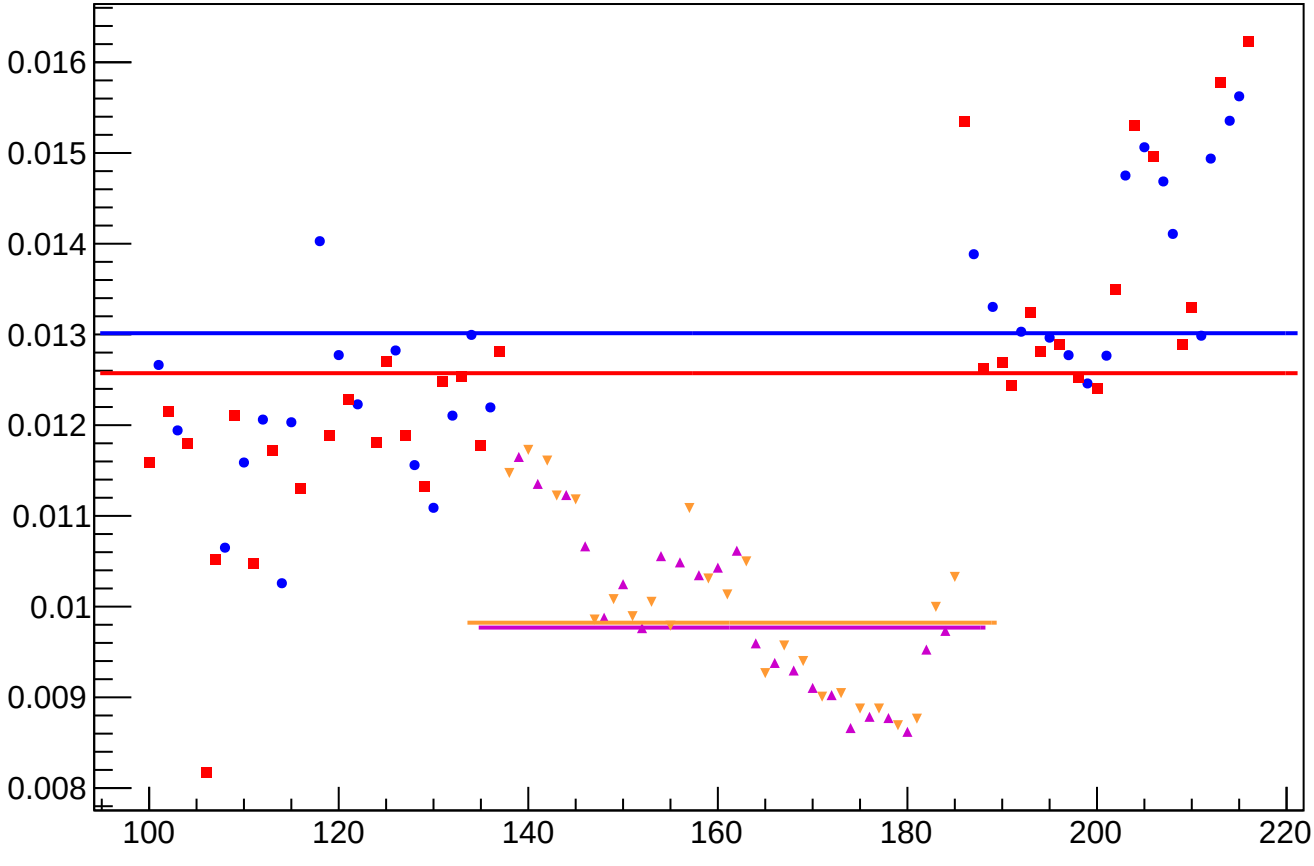
In: 0.004+/-0.000 χ^2/NDF:11564795.4/53

Out: 0.003+/-0.000 χ^2/NDF:10117541.6/59

All: 0.003+/-0.000 χ^2/NDF: 21697761.3/113


yield_bpm0l10X_mean vs Slug, Sign Corrected
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
120
140
160
180
200
220
Right In: -0.985+/-0.000 χ²/NDF: 5971118179.9/30
Left Out: -1.051+/-0.000 χ²/NDF:5082084184.4/24
Right Out: -1.004+/-0.000 χ²/NDF: 5094991332.7/34
Left In: -1.035+/-0.000 χ²/NDF:3925761523.9/22
Left: -1.043+/-0.000 χ²/NDF: 9032853026.0/47
Right: -0.995+/-0.000 χ²/NDF: 11087176074.0/65
In: -1.016+/-0.000 χ²/NDF:10066747492.9/53
Out: -1.033+/-0.000 χ²/NDF:10339194302.8/59
All: -1.025+/-0.000 χ²/NDF: 20448675744.1/

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: 0.013+/-0.000 χ^2/NDF: 561478.0/34

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

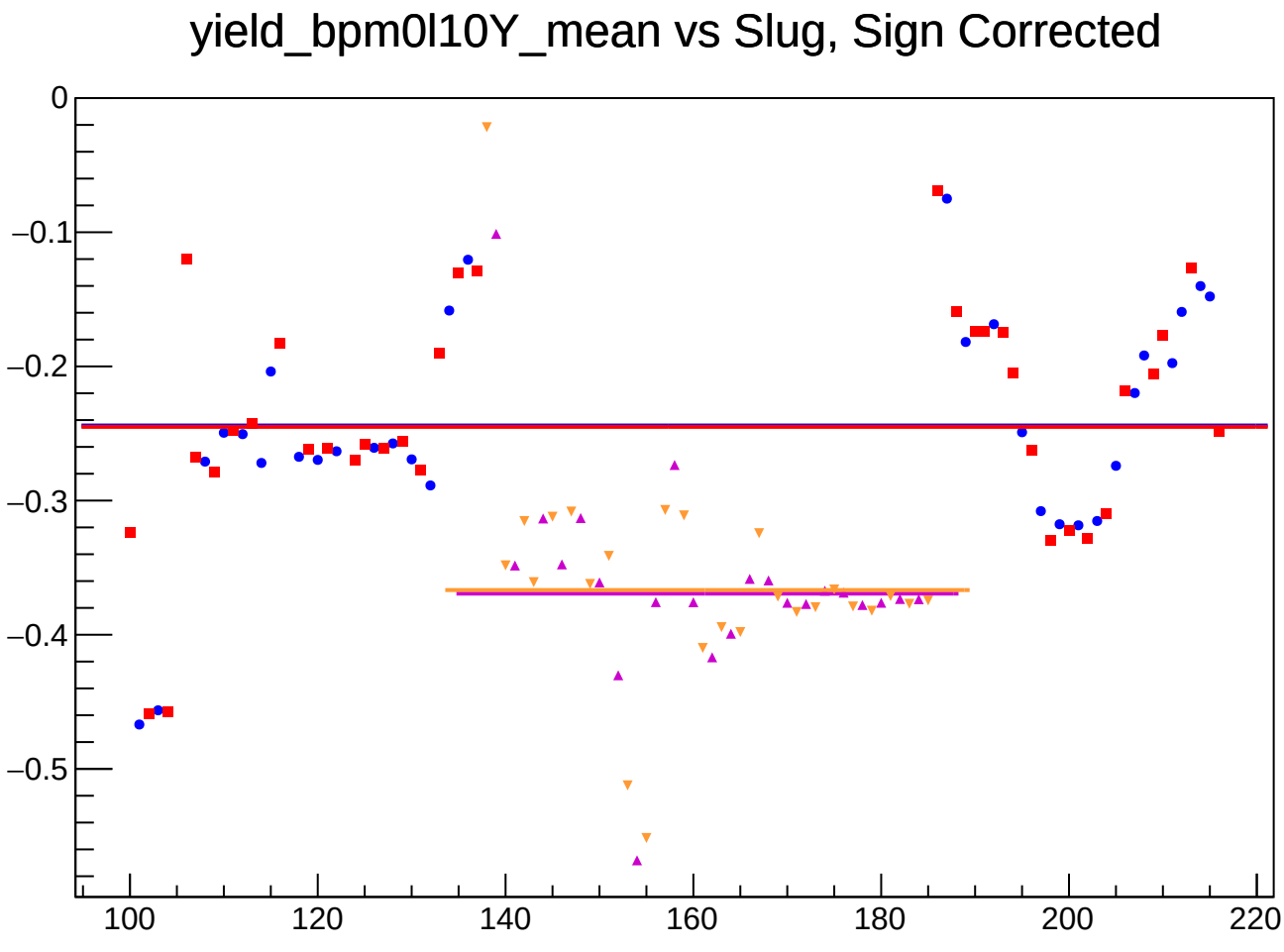
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.013+/-0.000 χ^2/NDF: 942442.7/65

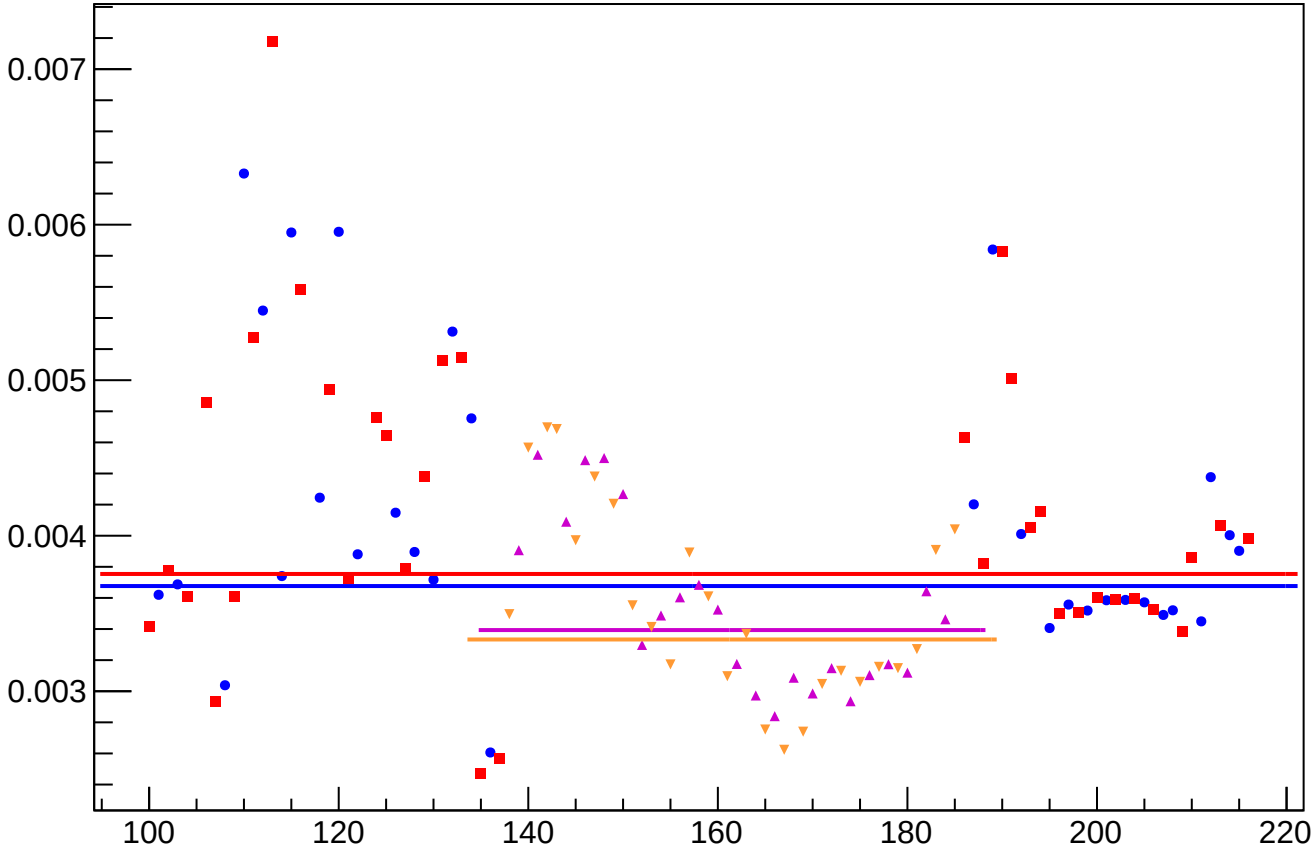
In: 0.011+/-0.000 χ^2/NDF:2077840.2/53

Out: 0.011+/-0.000 χ^2/NDF:1967279.9/59

All: 0.011+/-0.000 χ^2/NDF: 4047905.1/113


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: 9551712484.9/34
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.245+/-0.000 χ²/NDF: 19622854771.5/65
In: -0.310+/-0.000 χ²/NDF:28285884244.6/53
Out: -0.313+/-0.000 χ²/NDF:31849906543.7/59
All: -0.312+/-0.000 χ²/NDF: 60143936693.8/

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: 1127108.5/34

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

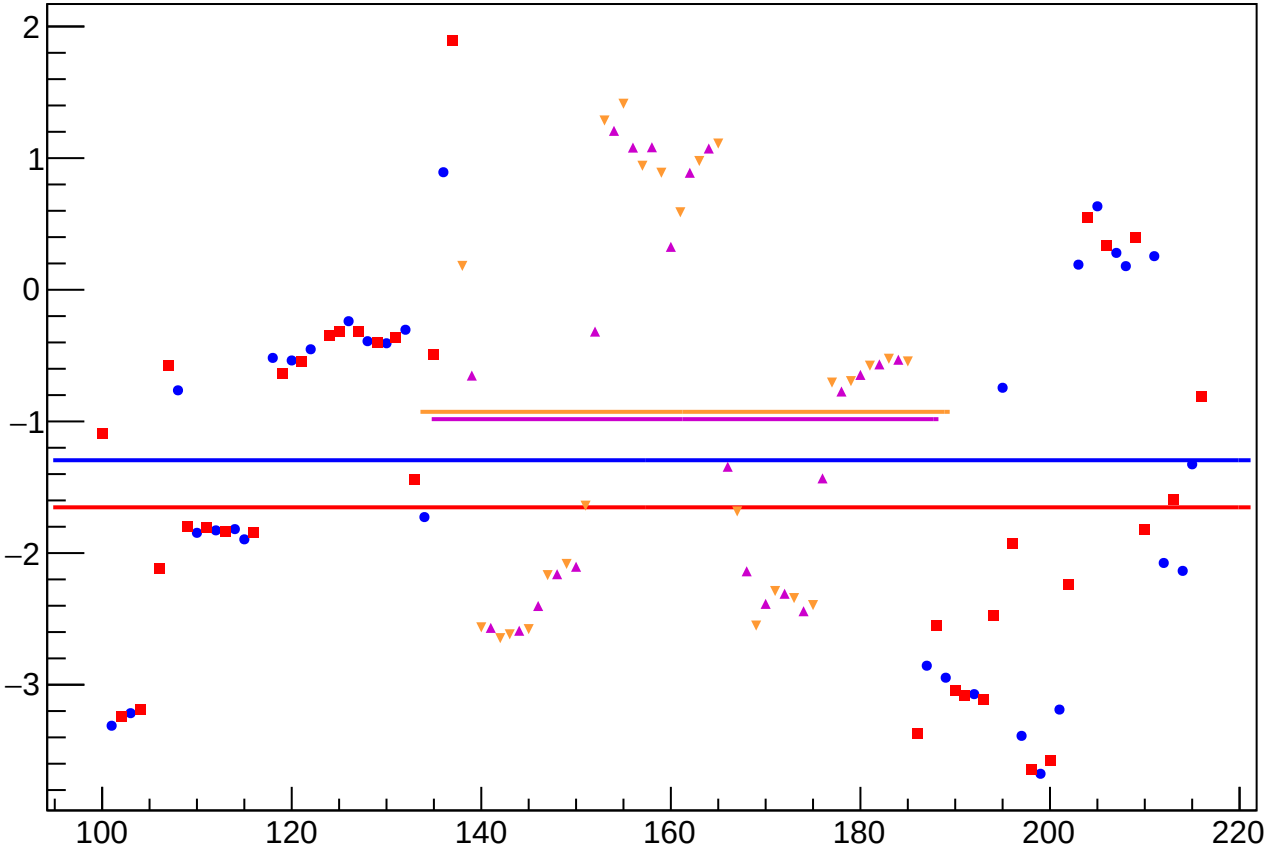
Right: 0.004+/-0.000 χ^2/NDF: 2110935.6/65

In: 0.004+/-0.000 χ^2/NDF:1718371.4/53

Out: 0.004+/-0.000 χ^2/NDF:2233161.6/59

All: 0.004+/-0.000 χ^2/NDF: 3951673.7/113

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: -1.652+/-0.000 χ^2/NDF: 6055342045.3/34

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

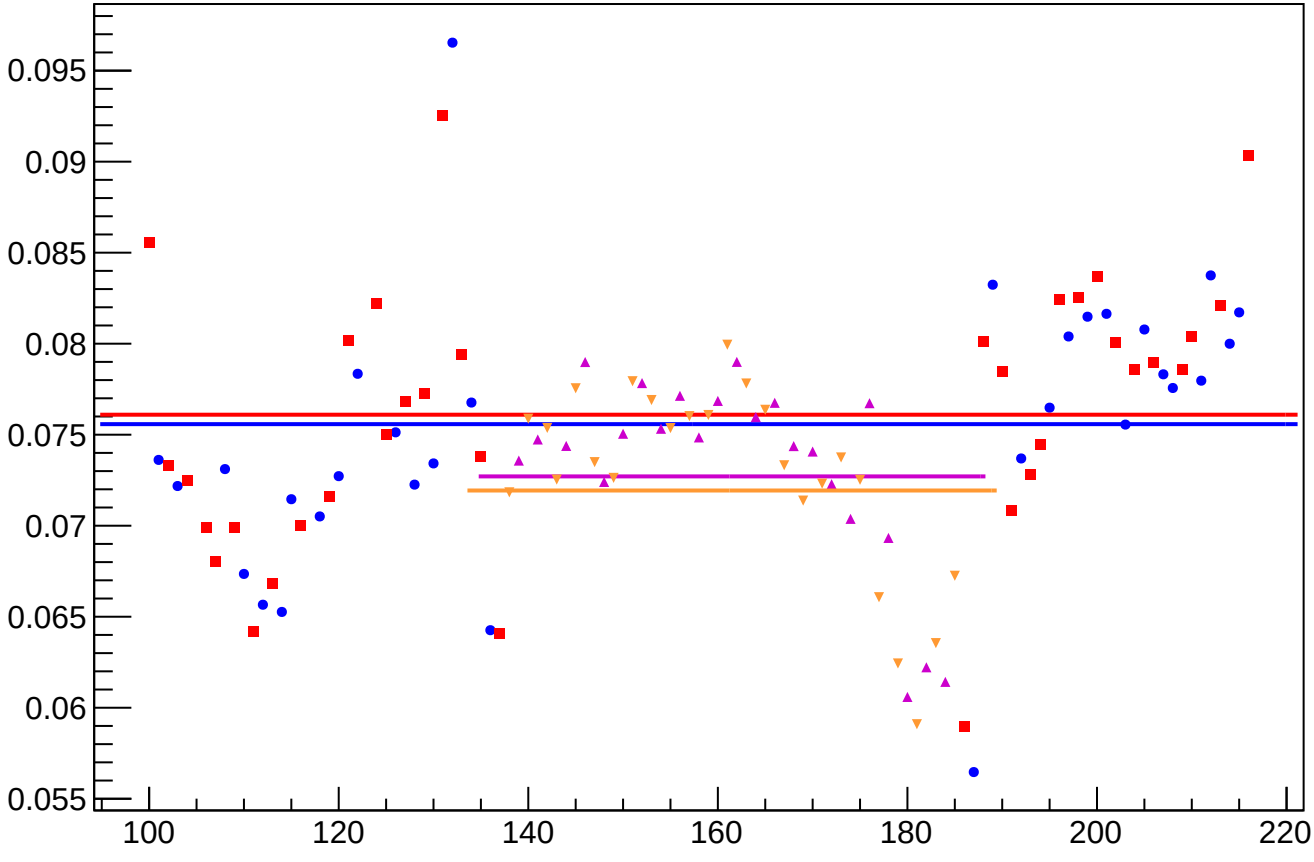
Right: -1.475+/-0.000 χ^2/NDF: 13351811913.5/65

In: -1.137+/-0.000 χ^2/NDF:13165833038.0/53

Out: -1.273+/-0.000 χ^2/NDF:14223838306.2/59

All: -1.206+/-0.000 χ^2/NDF: 27453174900.6/

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: 301494.3/34

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

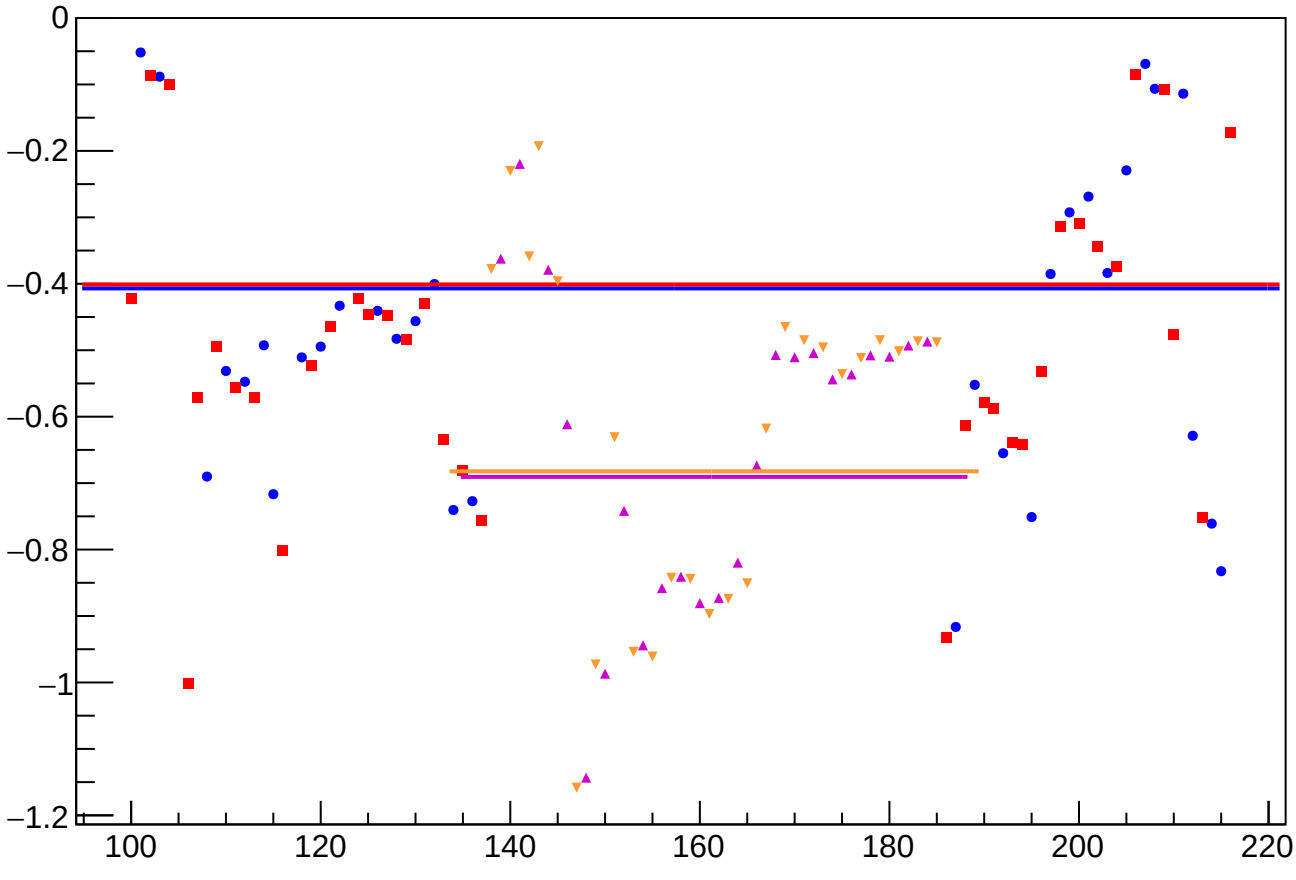
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.076+/-0.000 χ^2/NDF: 565420.8/65

In: 0.074+/-0.000 χ^2/NDF:487584.7/53

Out: 0.074+/-0.000 χ^2/NDF:597644.3/59

All: 0.074+/-0.000 χ^2/NDF: 1085517.5/113



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: -0.401+/-0.000 χ^2/NDF: 13059759449.9/34

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

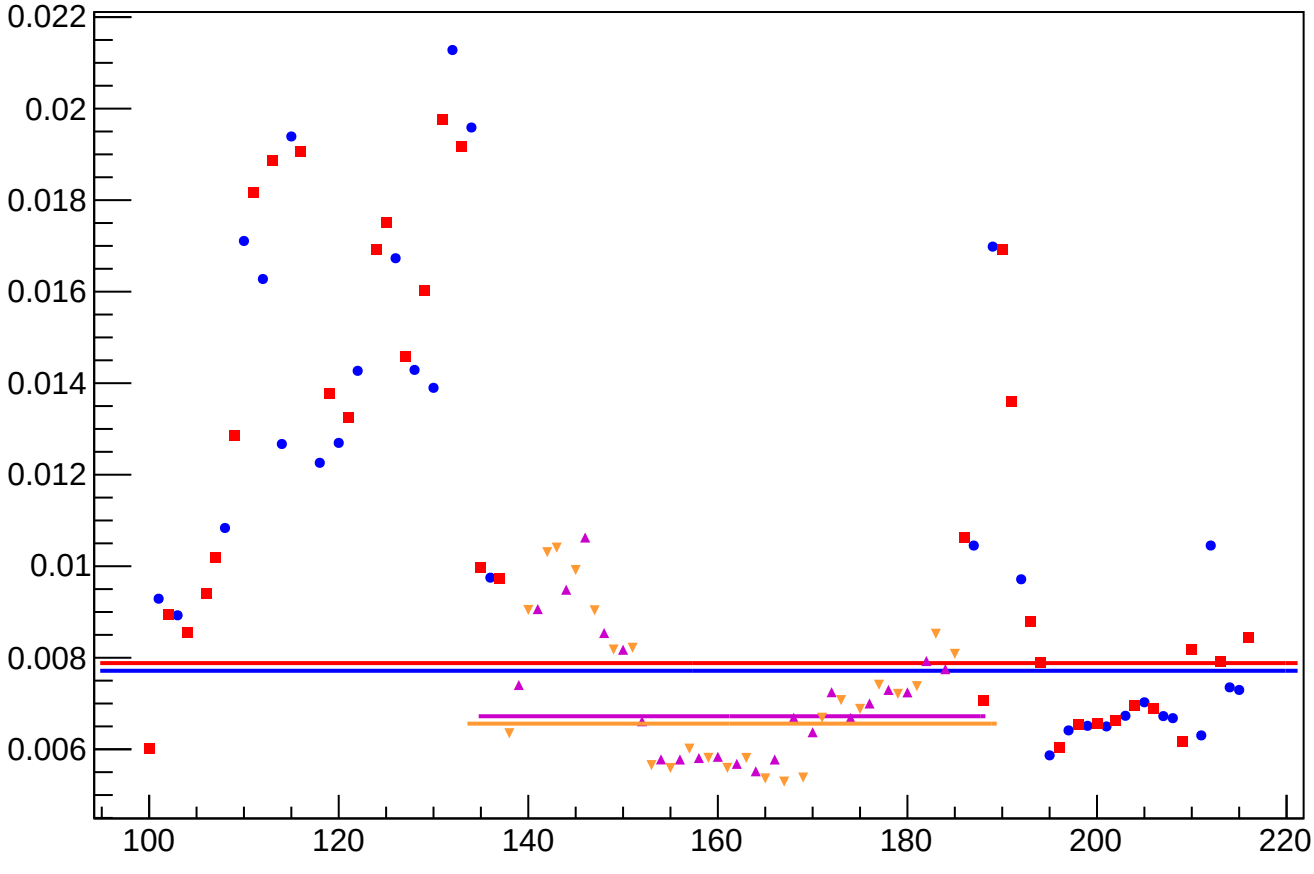
Right: -0.404+/-0.000 χ^2/NDF: 32309268026.6/65

In: -0.569+/-0.000 χ^2/NDF:48800635493.7/53

Out: -0.572+/-0.000 χ^2/NDF:47561512340.9/59

All: -0.571+/-0.000 χ^2/NDF: 96363834246.5/

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: 3262904.4/34

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

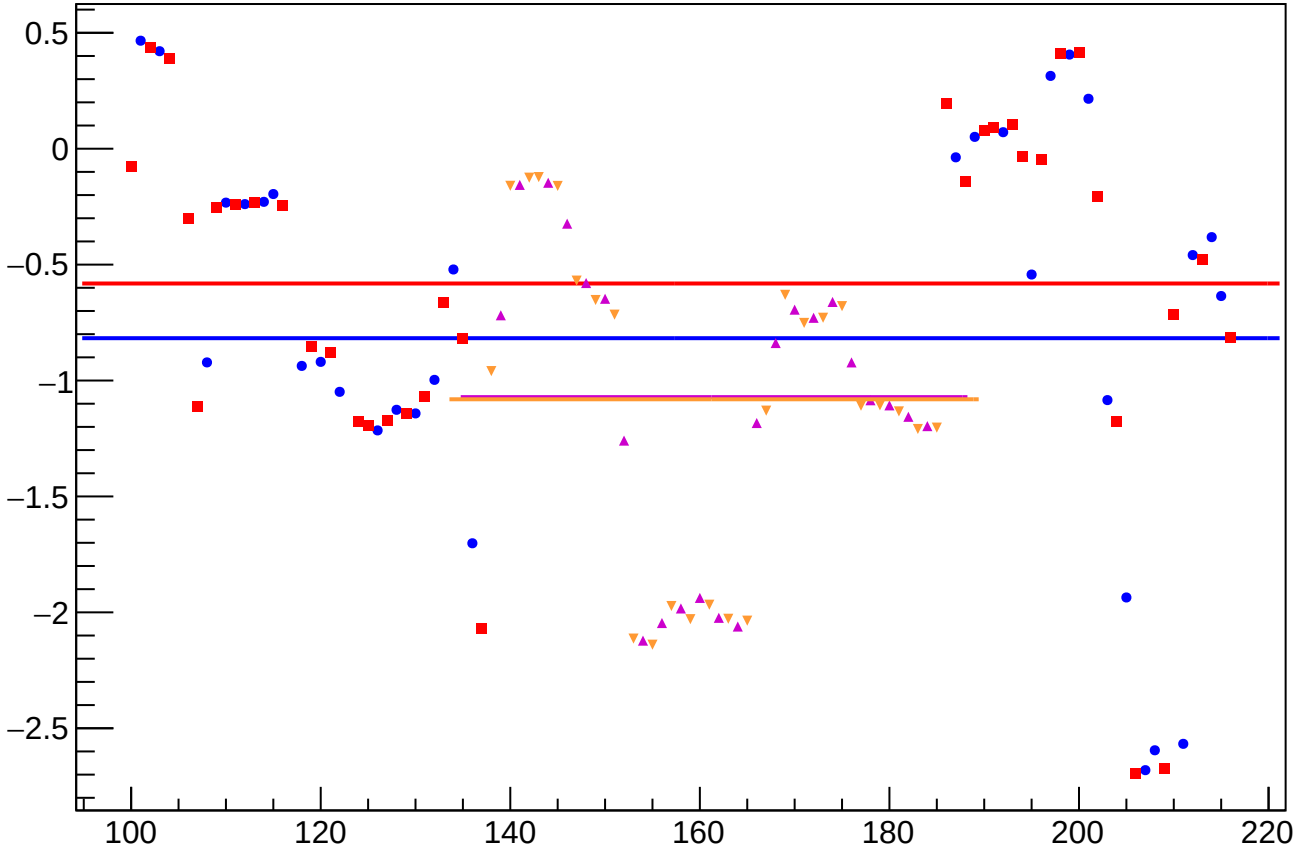
Right: 0.008+/-0.000 χ^2/NDF: 6463262.0/65

In: 0.007+/-0.000 χ^2/NDF:4464865.5/53

Out: 0.007+/-0.000 χ^2/NDF:5228279.6/59

All: 0.007+/-0.000 χ^2/NDF: 9696019.1/113

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: -0.581+/-0.000 χ^2/NDF: 1664482855.7/34

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

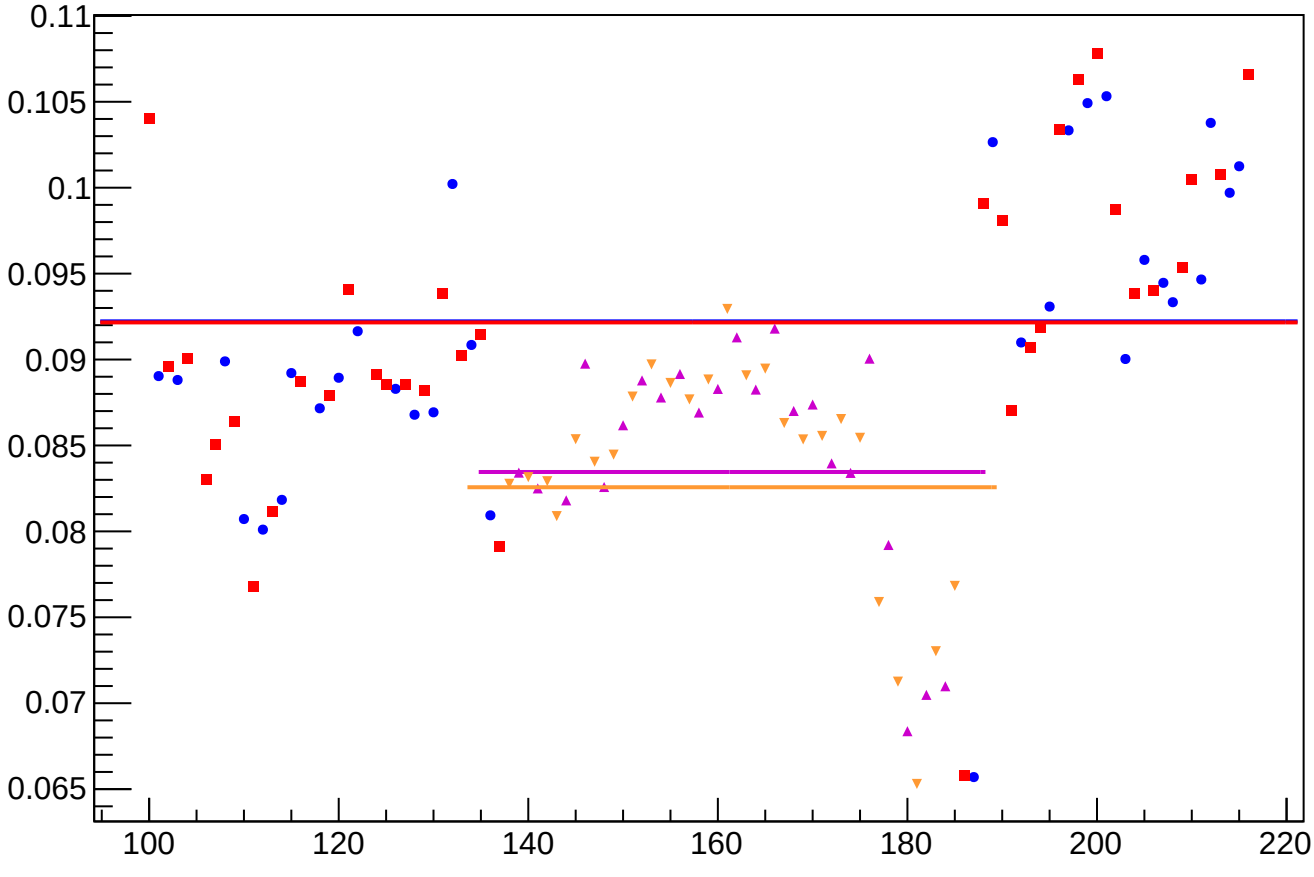
Right: -0.698+/-0.000 χ^2/NDF: 3713637149.9/65

In: -0.954+/-0.000 χ^2/NDF:3039409502.1/53

Out: -0.856+/-0.000 χ^2/NDF:3131699449.1/59

All: -0.904+/-0.000 χ^2/NDF: 6194909448.1/1

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: 387770.5/34

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

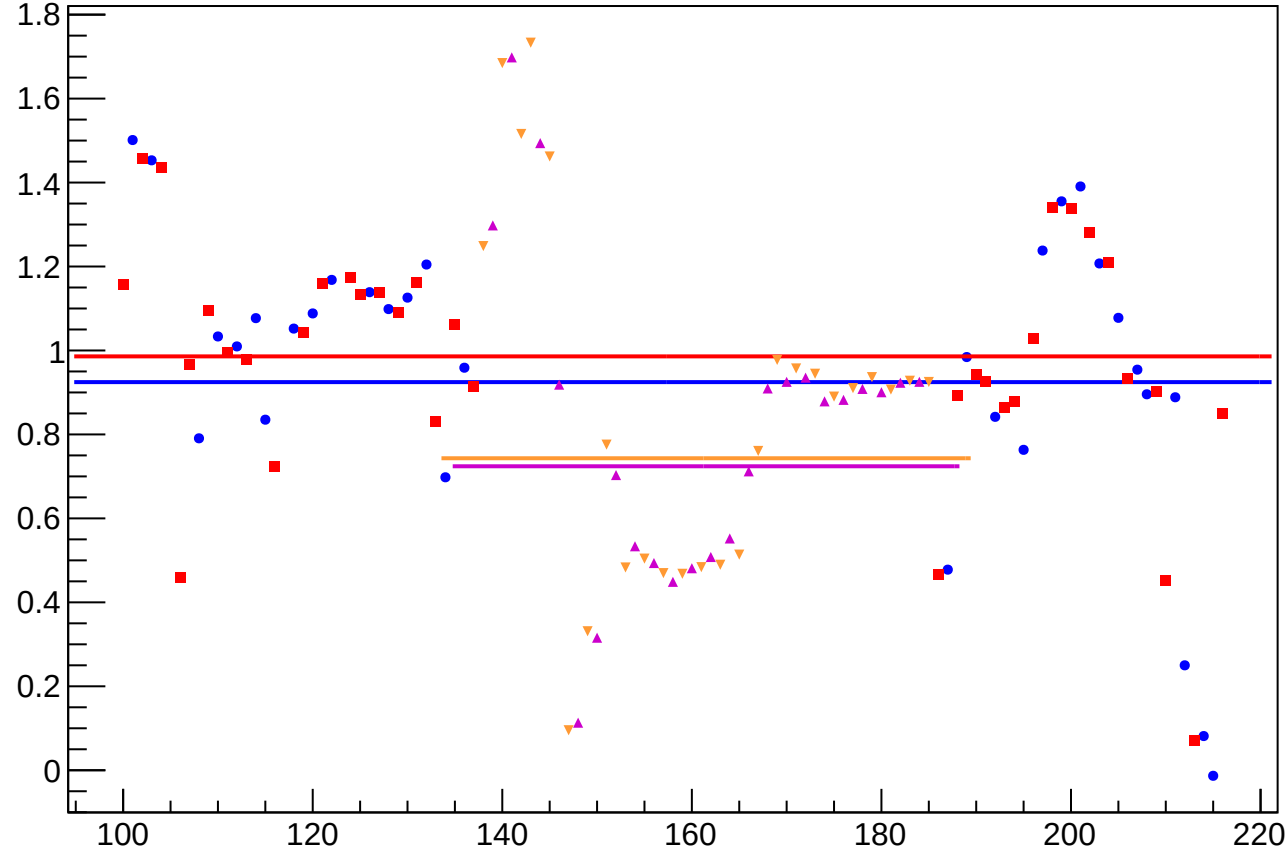
Right: 0.092+/-0.000 χ^2/NDF: 680210.4/65

In: 0.088+/-0.000 χ^2/NDF:715641.7/53

Out: 0.087+/-0.000 χ^2/NDF:911200.4/59

All: 0.087+/-0.000 χ^2/NDF: 1628790.4/113

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: 0.986+/-0.000 χ^2/NDF: 13492106937.5/34

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

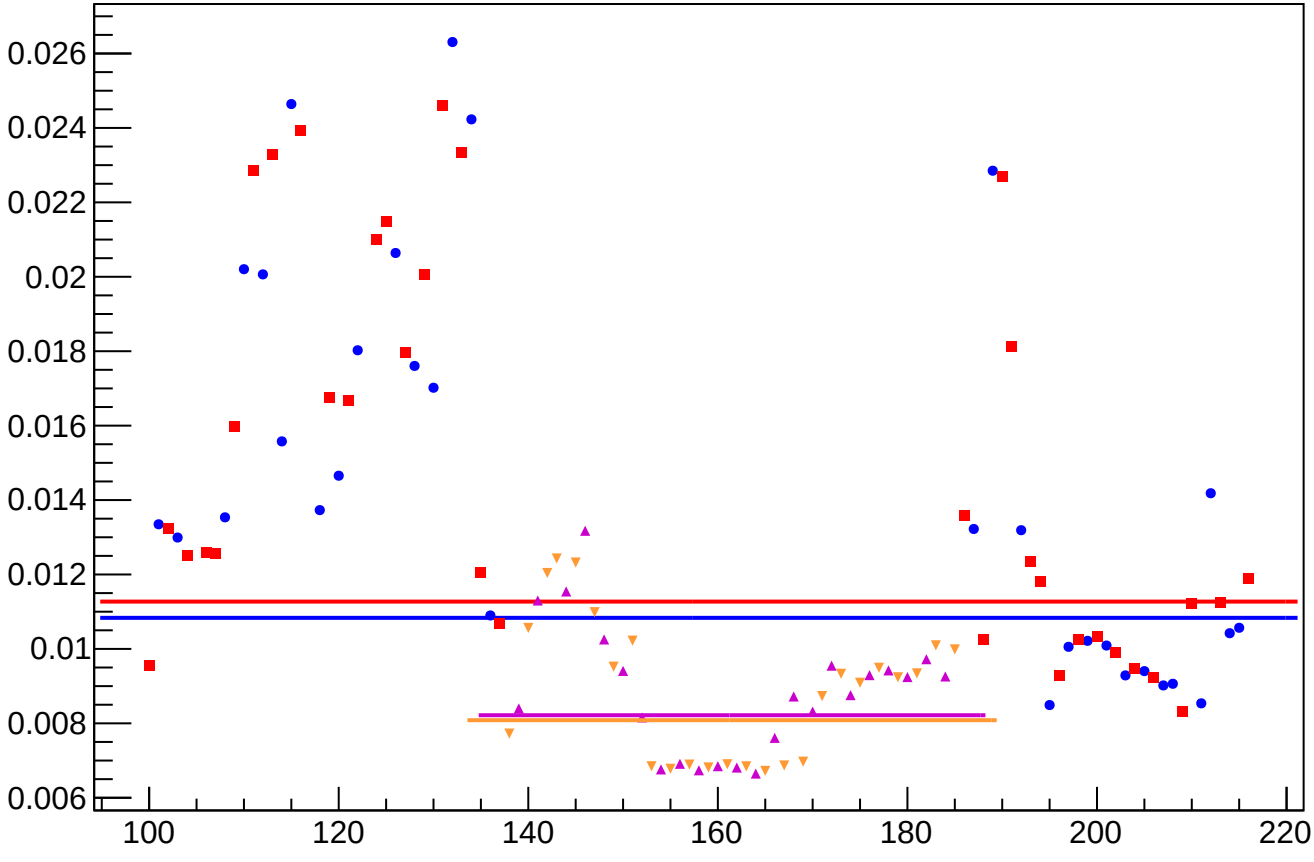
Right: 0.954+/-0.000 χ^2/NDF: 36220613307.0/65

In: 0.797+/-0.000 χ^2/NDF:51764562330.1/53

Out: 0.823+/-0.000 χ^2/NDF:51321831768.5/59

All: 0.810+/-0.000 χ^2/NDF: 103215361731.9

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: 2460692.1/34

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

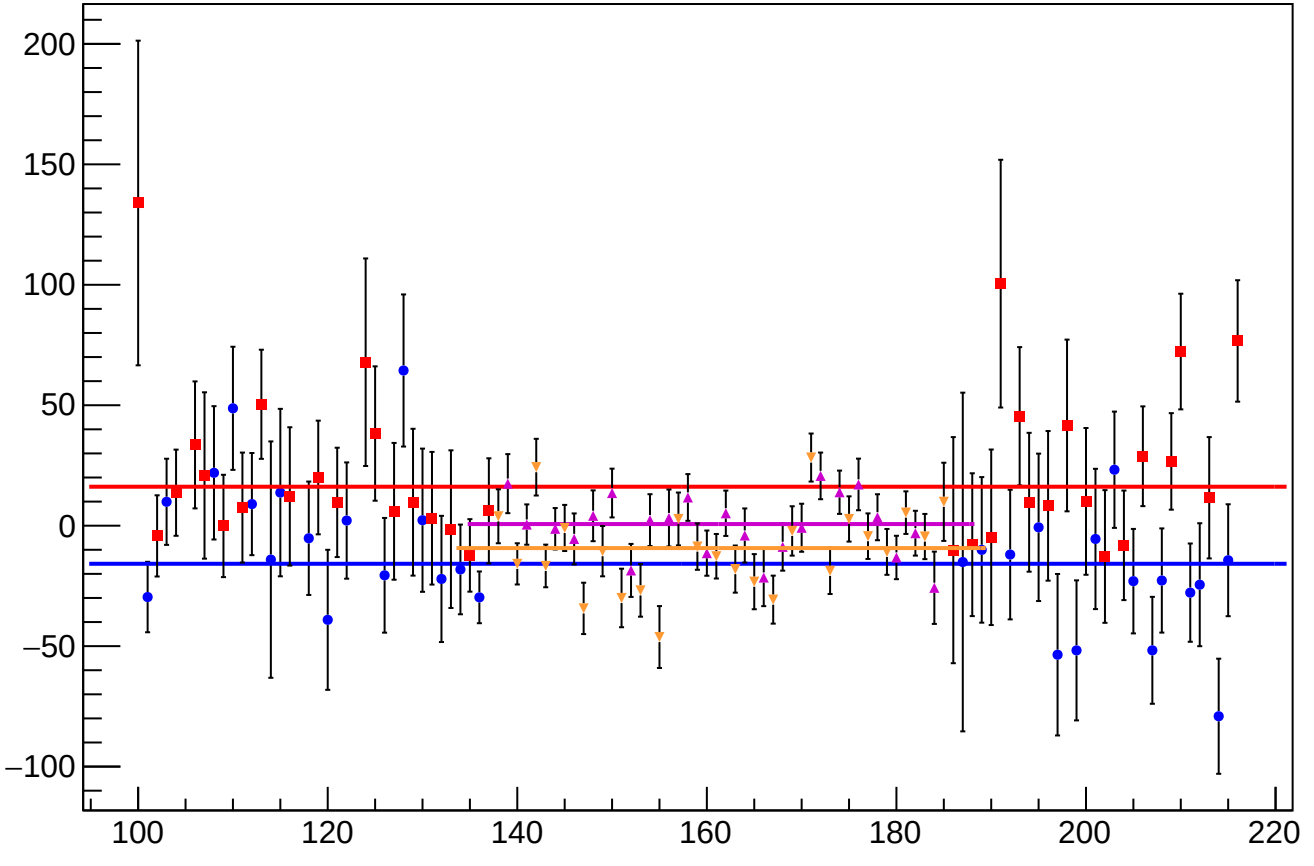
Right: 0.011+/-0.000 χ^2/NDF: 4885982.5/65

In: 0.009+/-0.000 χ^2/NDF:4767464.9/53

Out: 0.009+/-0.000 χ^2/NDF:5678079.9/59

All: 0.009+/-0.000 χ^2/NDF: 10446319.5/113

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: 16.178+/-4.299 χ^2/NDF: 34.5/34

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

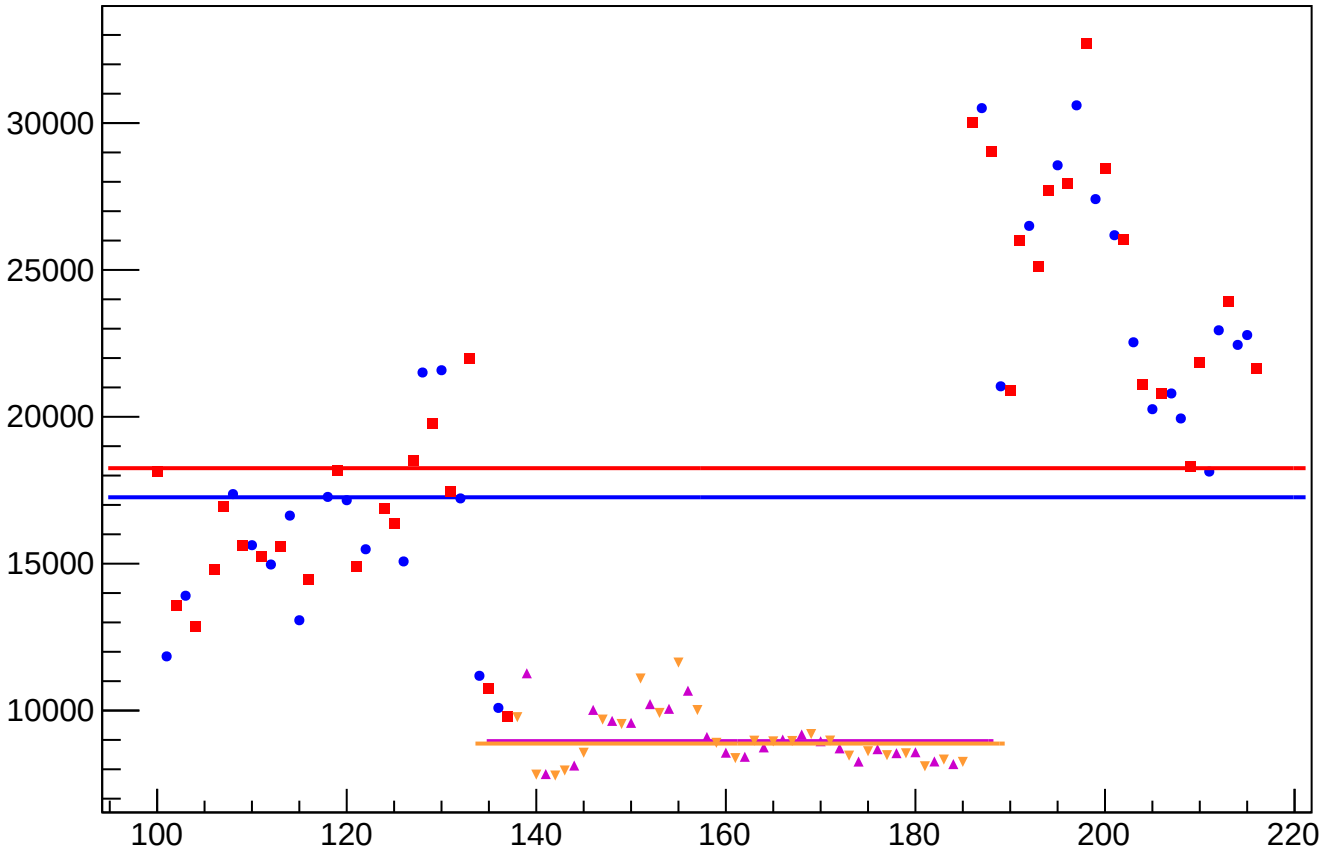
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: -0.411+/-2.983 χ^2/NDF: 102.7/65

In: -2.705+/-1.876 χ^2/NDF:81.5/53

Out: -4.646+/-1.836 χ^2/NDF:124.4/59

All: -3.697+/-1.312 χ^2/NDF: 206.4/113



Right In: 17260.518+/-2.929 χ^2/NDF: 3501329.7/30

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18251.156+/-3.040 χ^2/NDF: 3313930.7/34

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

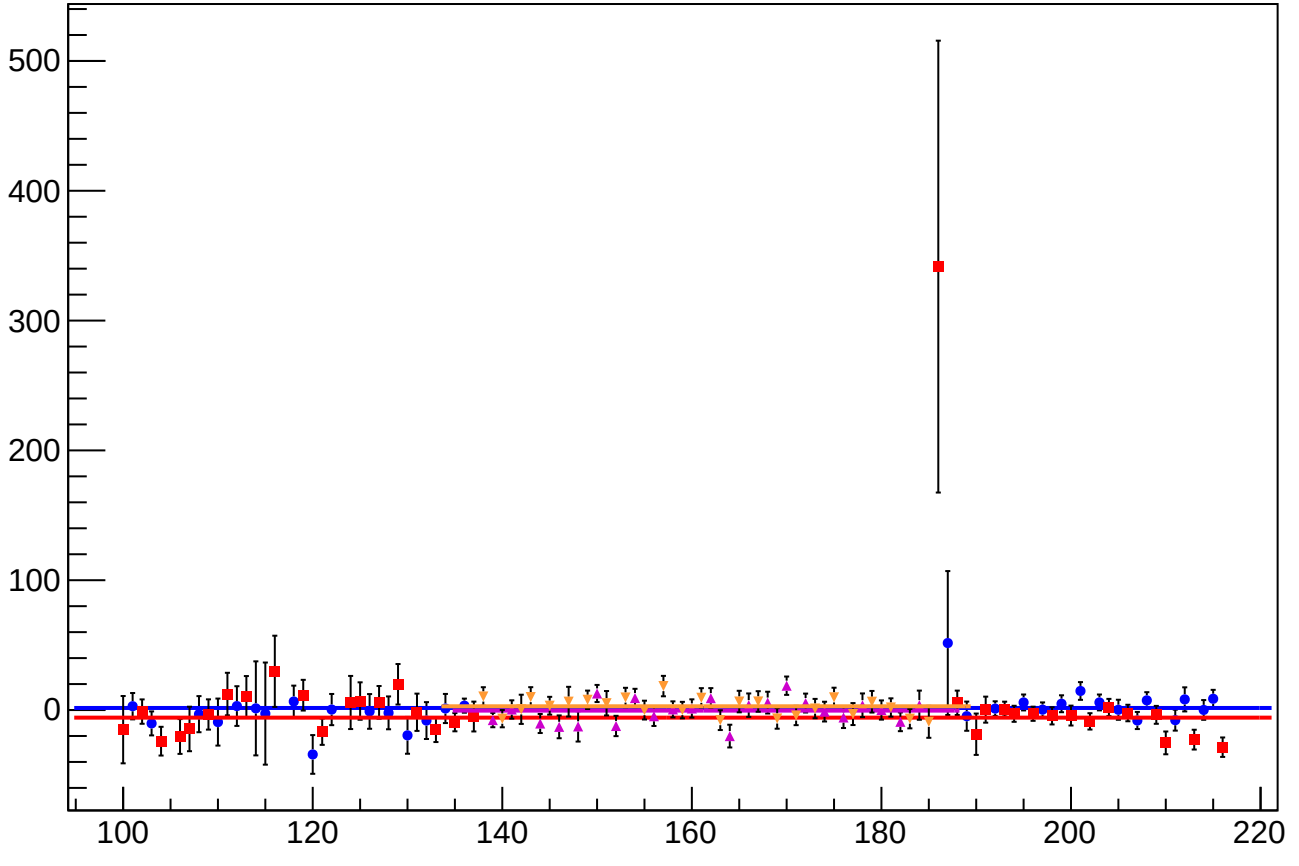
Right: 17737.414+/-2.109 χ^2/NDF: 6870326.7/65

In: 10661.476+/-1.327 χ^2/NDF:10188671.3/53

Out: 10585.576+/-1.298 χ^2/NDF:11437074.0/59

All: 10622.710+/-0.928 χ^2/NDF: 21627417.3

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: -5.864+/-1.540 χ^2/NDF: 47.2/34

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

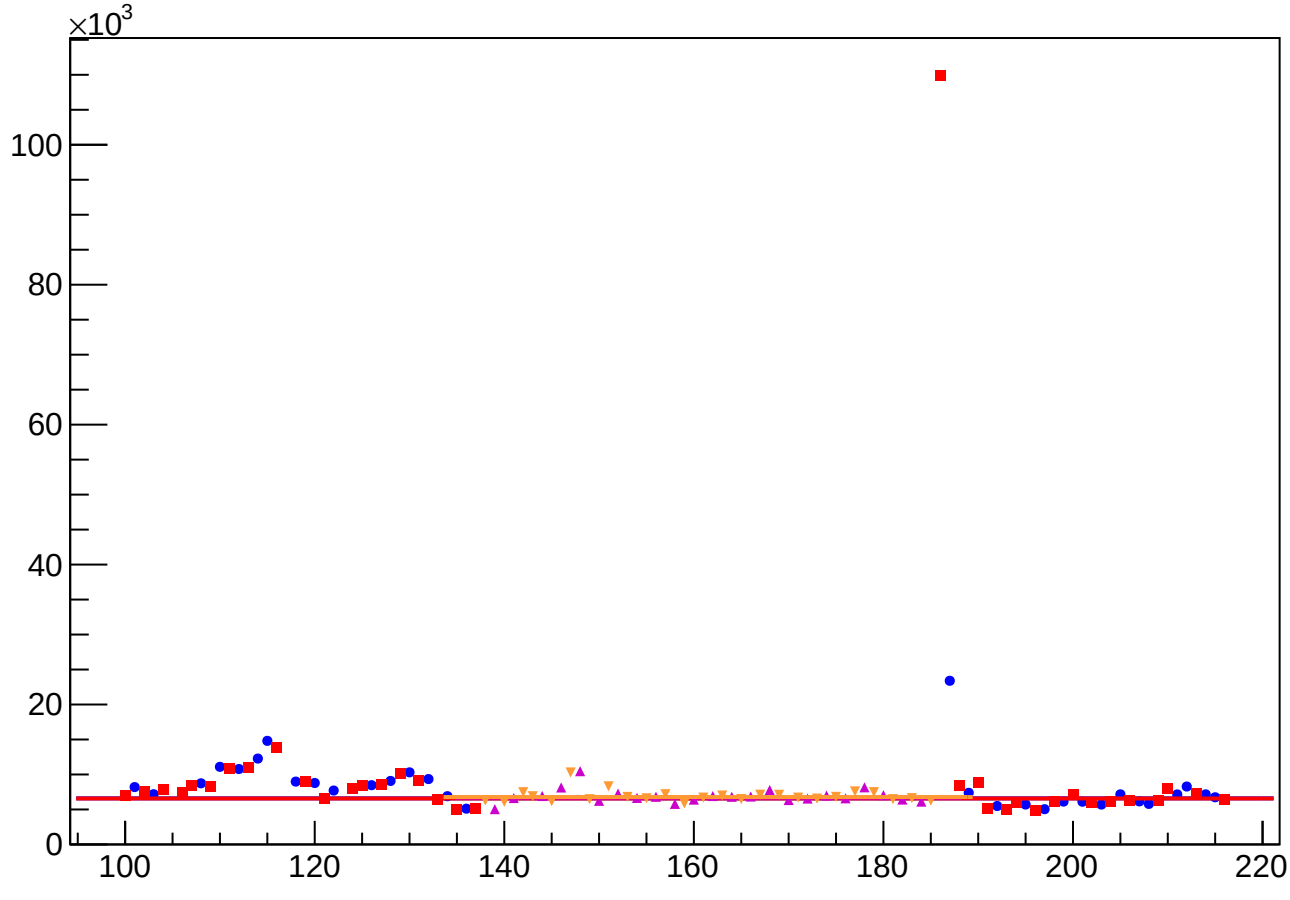
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -2.159+/-1.091 χ^2/NDF: 82.0/65

In: 0.586+/-1.106 χ^2/NDF:56.8/53

Out: -1.532+/-1.094 χ^2/NDF:82.7/59

All: -0.485+/-0.778 χ^2/NDF: 141.3/113



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: 6570.384+/-1.089 χ^2/NDF: 2402729.0/34

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

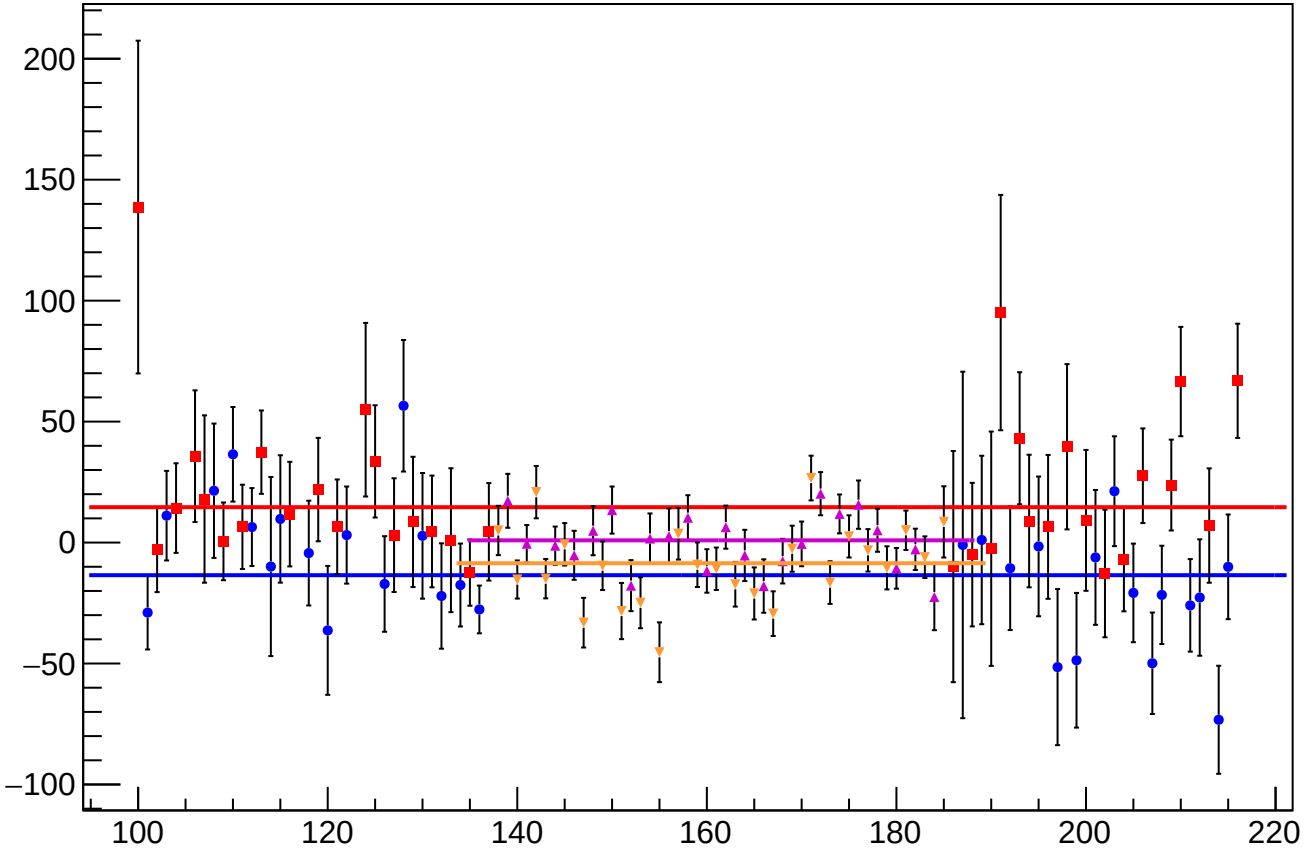
Right: 6578.845+/-0.772 χ^2/NDF: 4202165.1/65

In: 6637.362+/-0.782 χ^2/NDF:2423855.1/53

Out: 6672.624+/-0.773 χ^2/NDF:2820694.5/59

All: 6655.192+/-0.550 χ^2/NDF: 5245577.4/11

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: 14.627+/-3.905 χ^2/NDF: 33.1/34

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

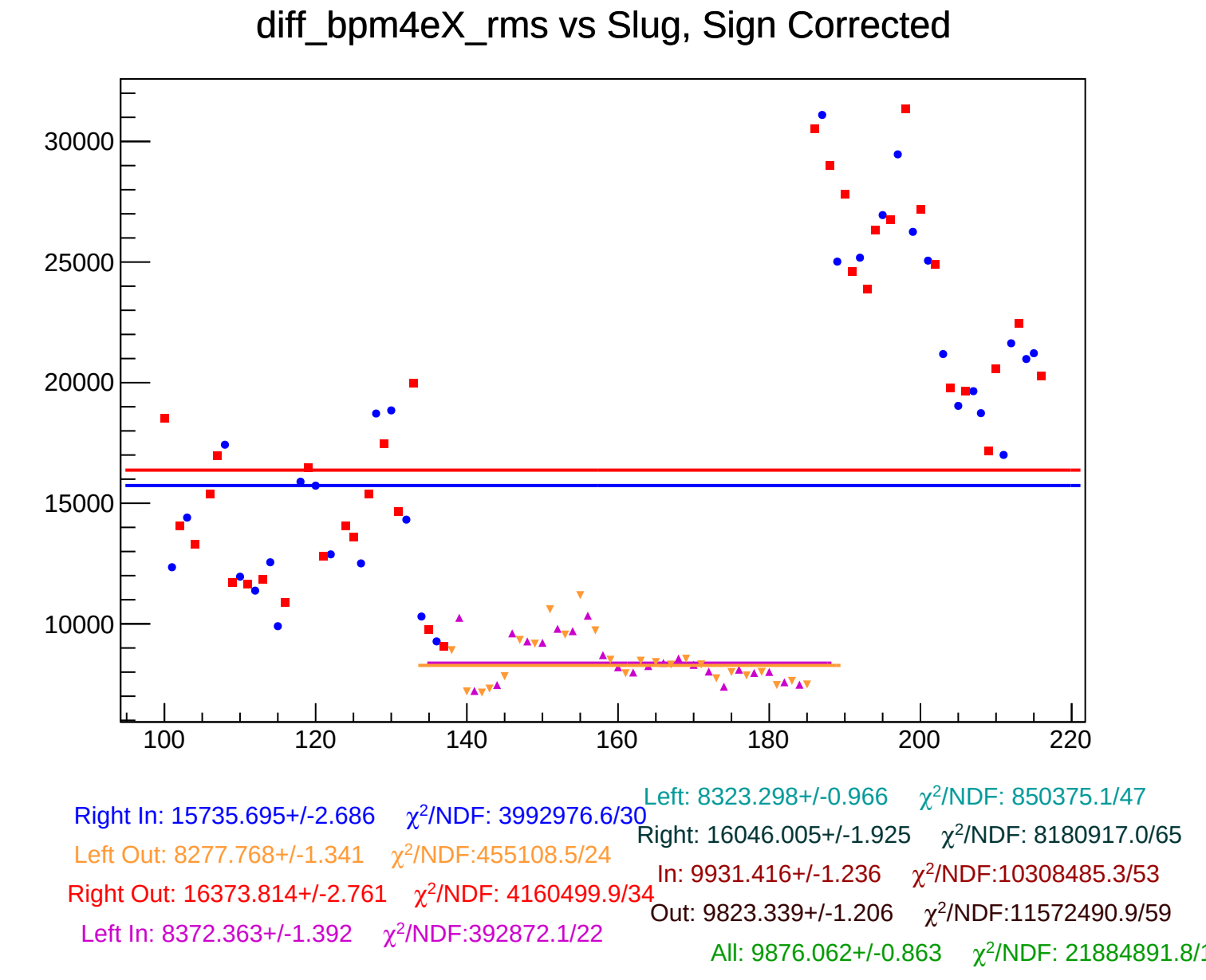
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 0.186+/-2.723 χ^2/NDF: 100.7/65

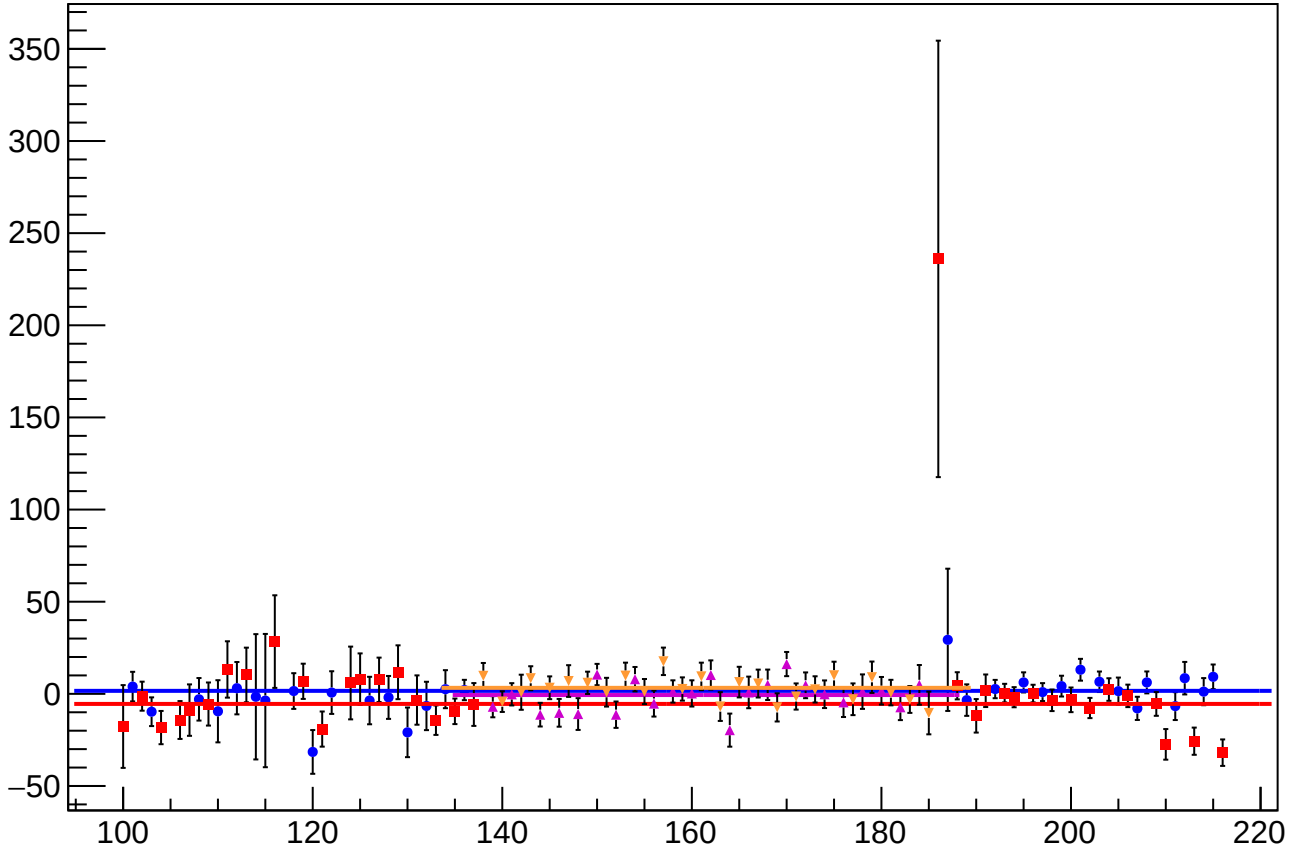
In: -2.130+/-1.748 χ^2/NDF:81.4/53

Out: -4.114+/-1.706 χ^2/NDF:123.5/59

All: -3.146+/-1.221 χ^2/NDF: 205.6/113


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: 16373.814+/-2.761 χ²/NDF: 4160499.9/34
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 16046.005+/-1.925 χ²/NDF: 8180917.0/65
In: 9931.416+/-1.236 χ²/NDF:10308485.3/53
Out: 9823.339+/-1.206 χ²/NDF:11572490.9/59
All: 9876.062+/-0.863 χ²/NDF: 21884891.8/1

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: -5.467+/-1.375 χ^2/NDF: 57.8/34

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

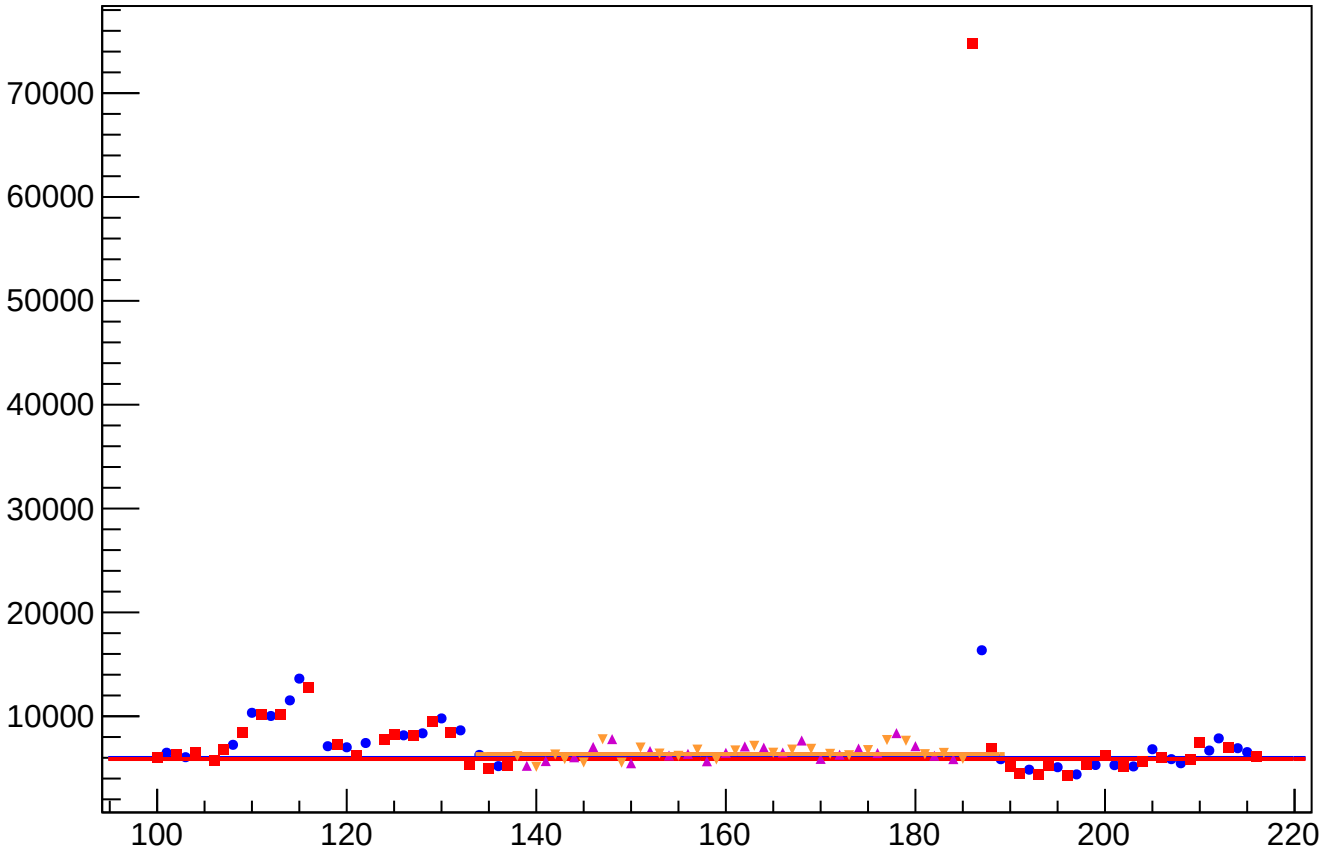
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -1.992+/-0.982 χ^2/NDF: 97.3/65

In: 0.565+/-1.025 χ^2/NDF:58.4/53

Out: -1.358+/-1.000 χ^2/NDF:94.4/59

All: -0.420+/-0.716 χ^2/NDF: 154.6/113



Right In: 5981.688+/-0.992 χ^2/NDF: 1777653.6/30

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5882.190+/-0.973 χ^2/NDF: 2431984.9/34

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

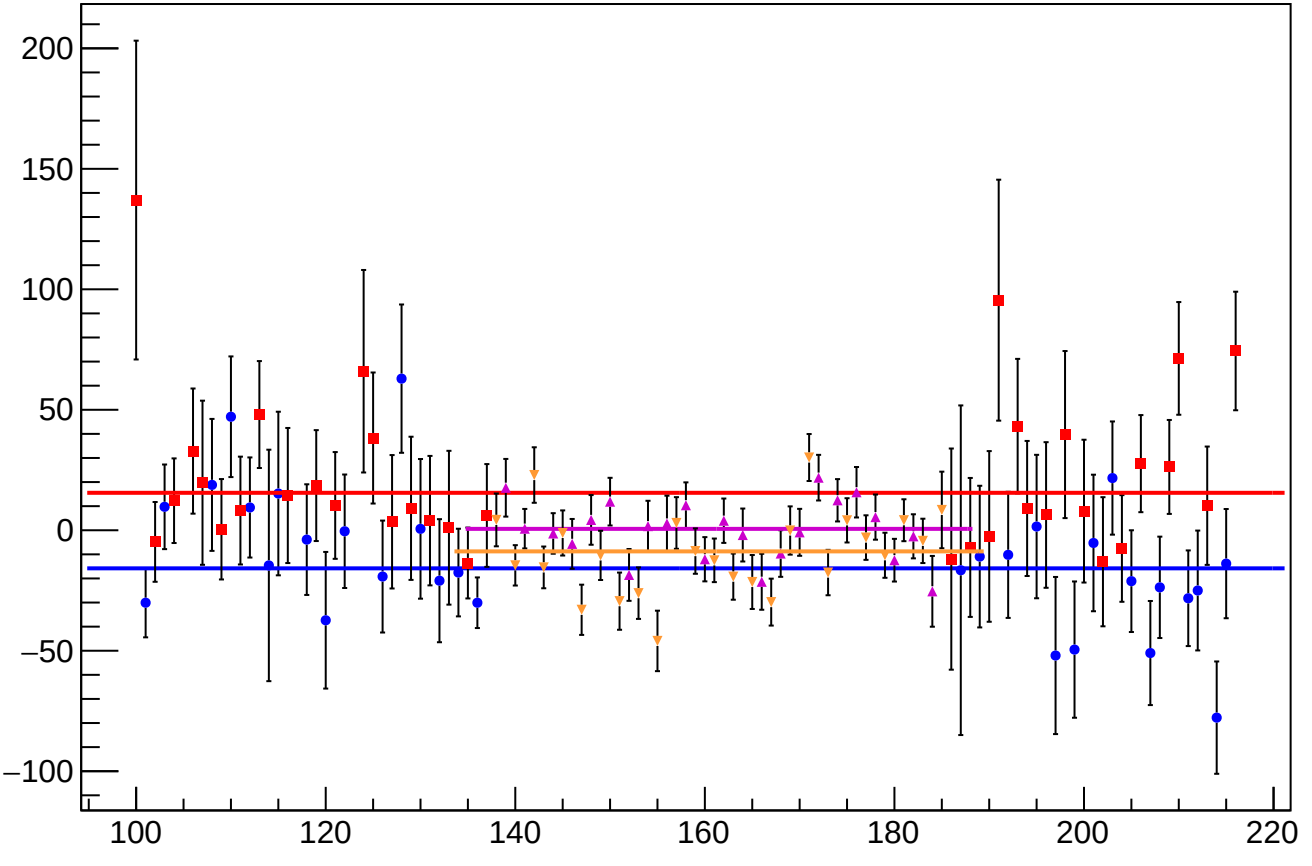
Right: 5930.940+/-0.695 χ^2/NDF: 4214766.8/65

In: 6158.308+/-0.724 χ^2/NDF:2319374.3/53

Out: 6106.183+/-0.707 χ^2/NDF:2958693.2/59

All: 6131.620+/-0.506 χ^2/NDF: 5280718.1/11

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: 15.544+/-4.199 χ^2/NDF: 34.9/34

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

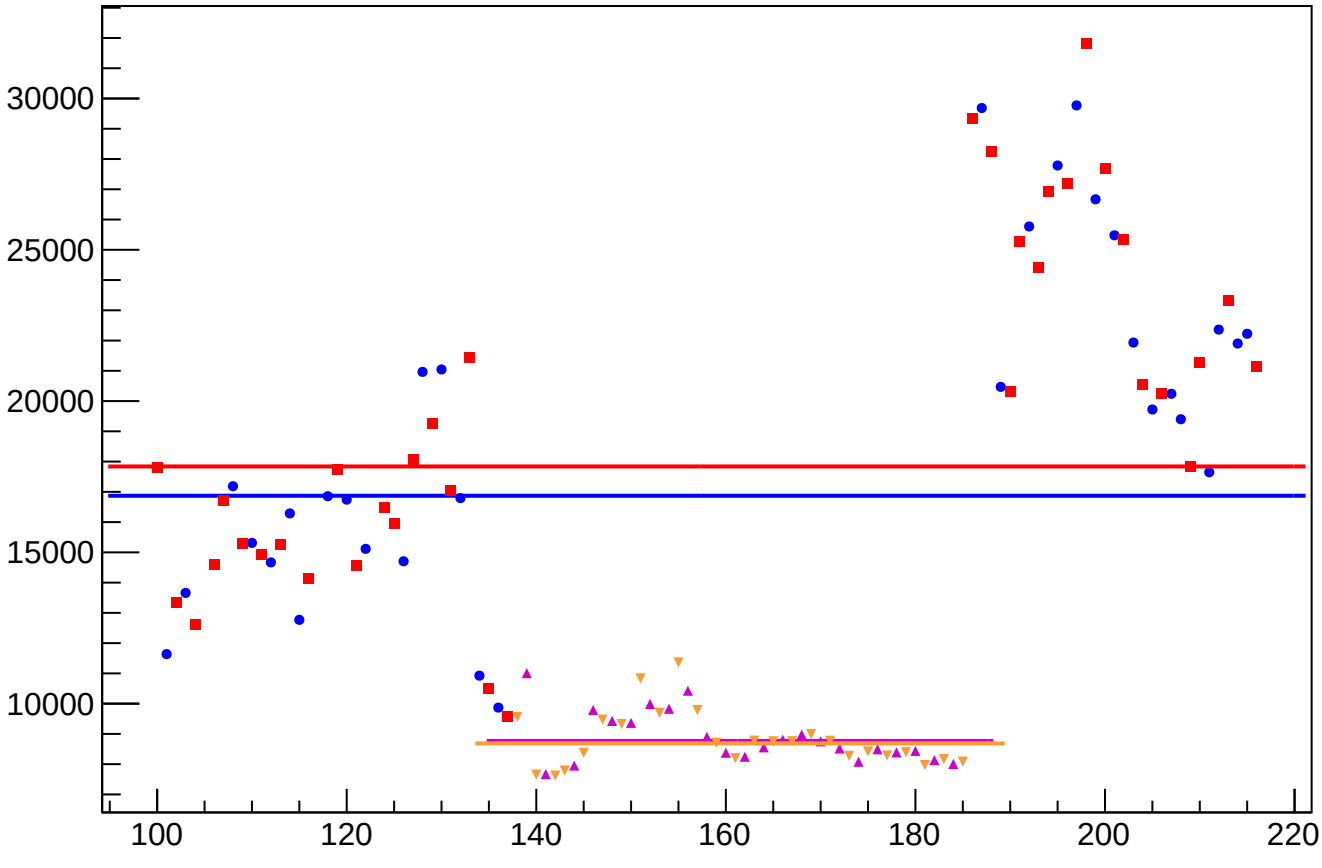
Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

Right: -0.714+/-2.914 χ^2/NDF: 103.4/65

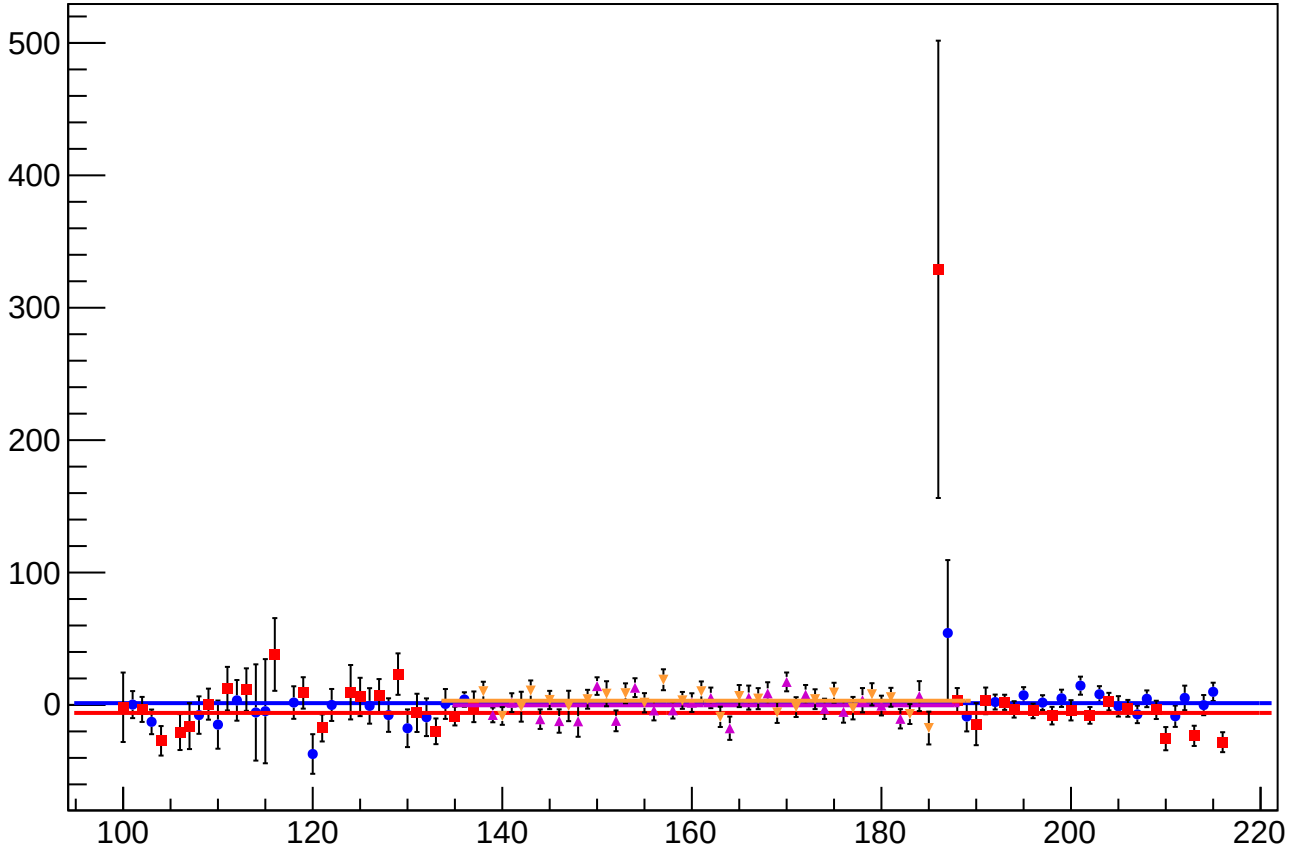
In: -2.792+/-1.835 χ^2/NDF:82.2/53

Out: -4.319+/-1.796 χ^2/NDF:125.0/59

All: -3.572+/-1.284 χ^2/NDF: 207.6/113


diff_bpm4acX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16870.984+/-2.861 χ²/NDF: 3450382.9/30
Left Out: 8686.048+/-1.405 χ²/NDF:340655.6/24
Right Out: 17839.607+/-2.969 χ²/NDF: 3261119.3/34
Left In: 8767.705+/-1.456 χ²/NDF:295552.8/22
Left: 8725.421+/-1.011 χ²/NDF: 637837.1/47
Right: 17337.265+/-2.060 χ²/NDF: 6766688.0/65
In: 10434.872+/-1.298 χ²/NDF:10118420.4/53
Out: 10360.520+/-1.270 χ²/NDF:11366249.8/59
All: 10396.896+/-0.908 χ²/NDF: 21486347.1

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: -6.036+/-1.545 χ^2/NDF: 50.6/34

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

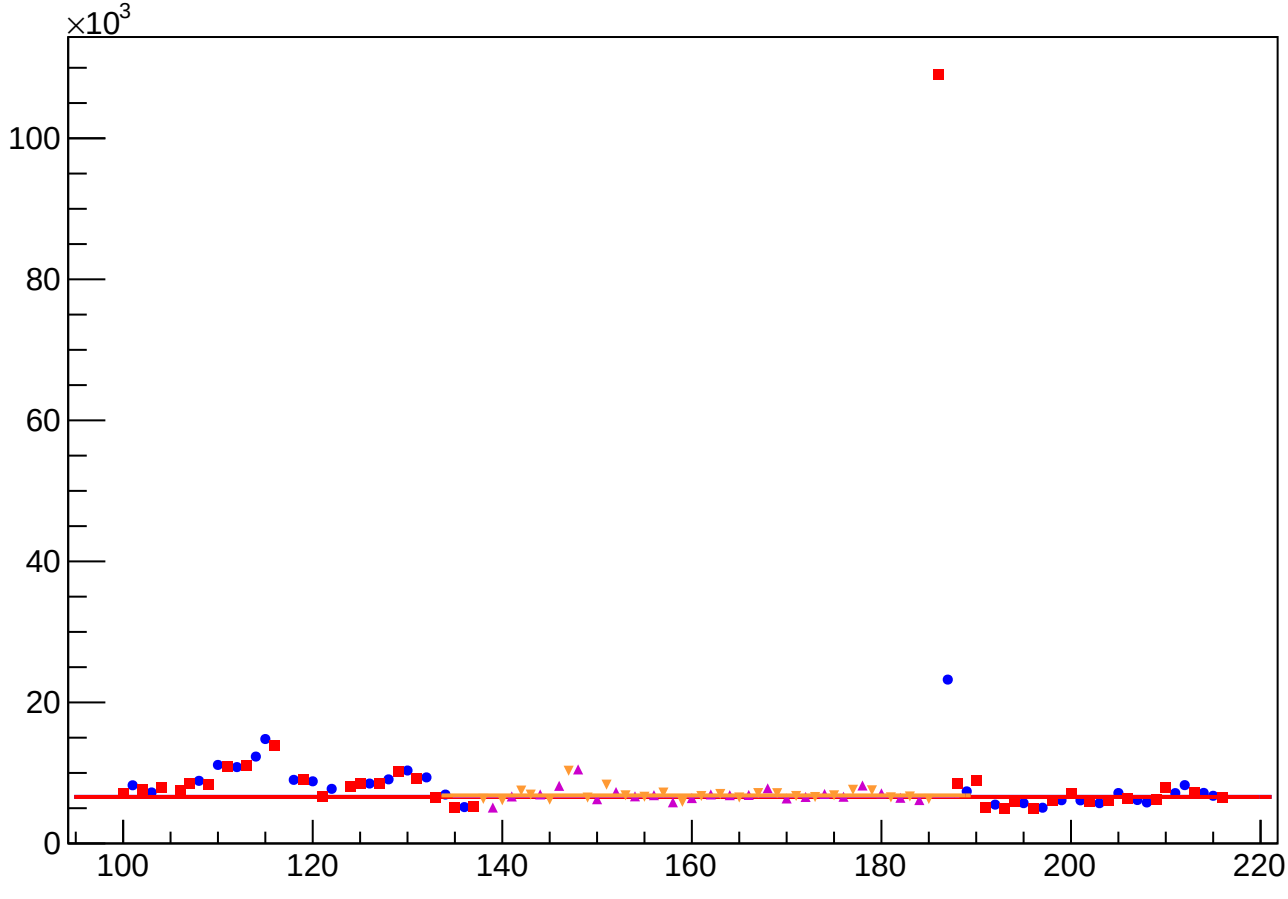
Right: -2.356+/-1.095 χ^2/NDF: 88.6/65

In: 0.564+/-1.111 χ^2/NDF:61.3/53

Out: -1.483+/-1.098 χ^2/NDF:89.8/59

All: -0.471+/-0.781 χ^2/NDF: 152.9/113

diff_bpm4acY_rms vs Slug, Sign Corrected



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: 6593.812+/-1.092 χ^2/NDF: 2395153.7/34

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

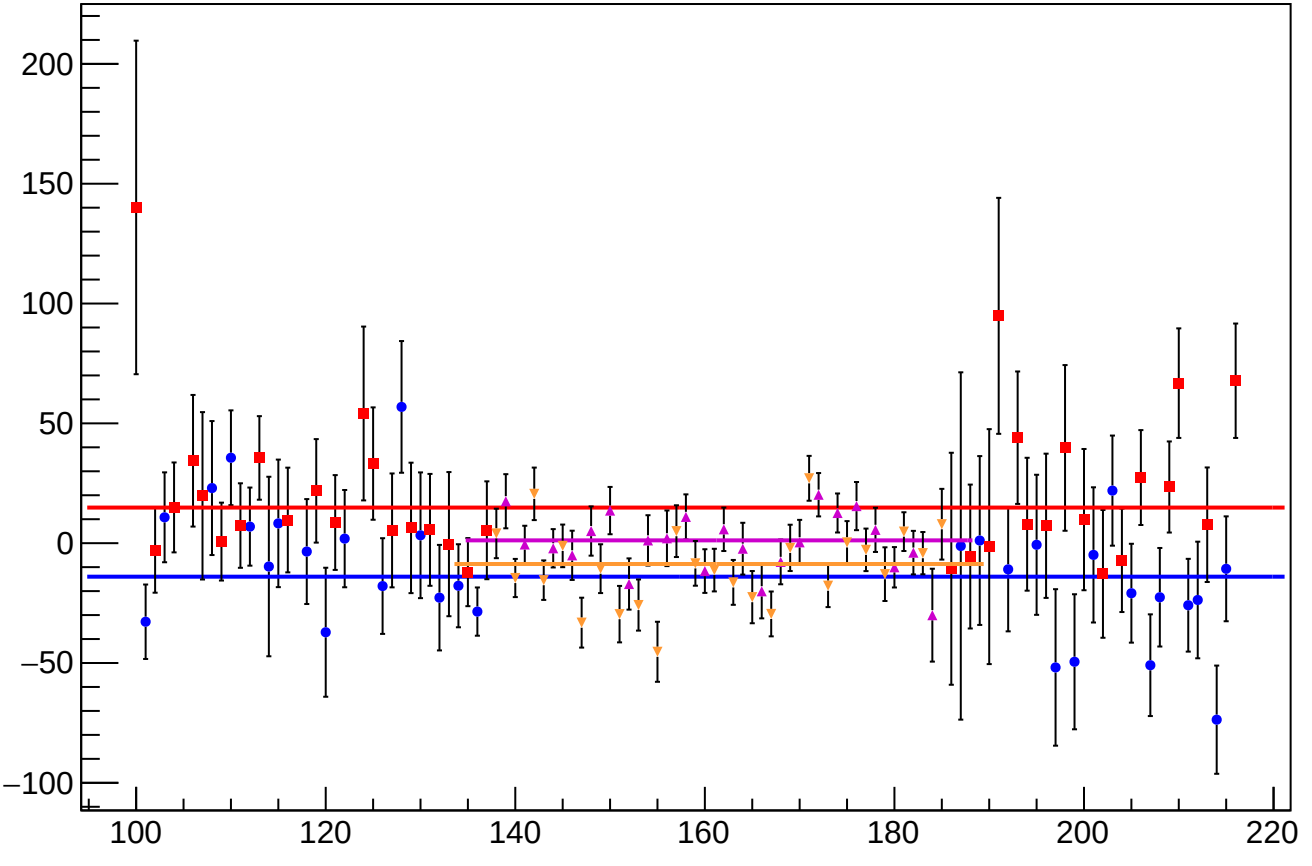
Right: 6600.088+/-0.774 χ^2/NDF: 4189882.7/65

In: 6665.652+/-0.785 χ^2/NDF:2410675.7/53

Out: 6702.184+/-0.777 χ^2/NDF:2809679.9/59

All: 6684.120+/-0.552 χ^2/NDF: 5221449.7/11

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: 14.859+/-3.958 χ^2/NDF: 31.8/34

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

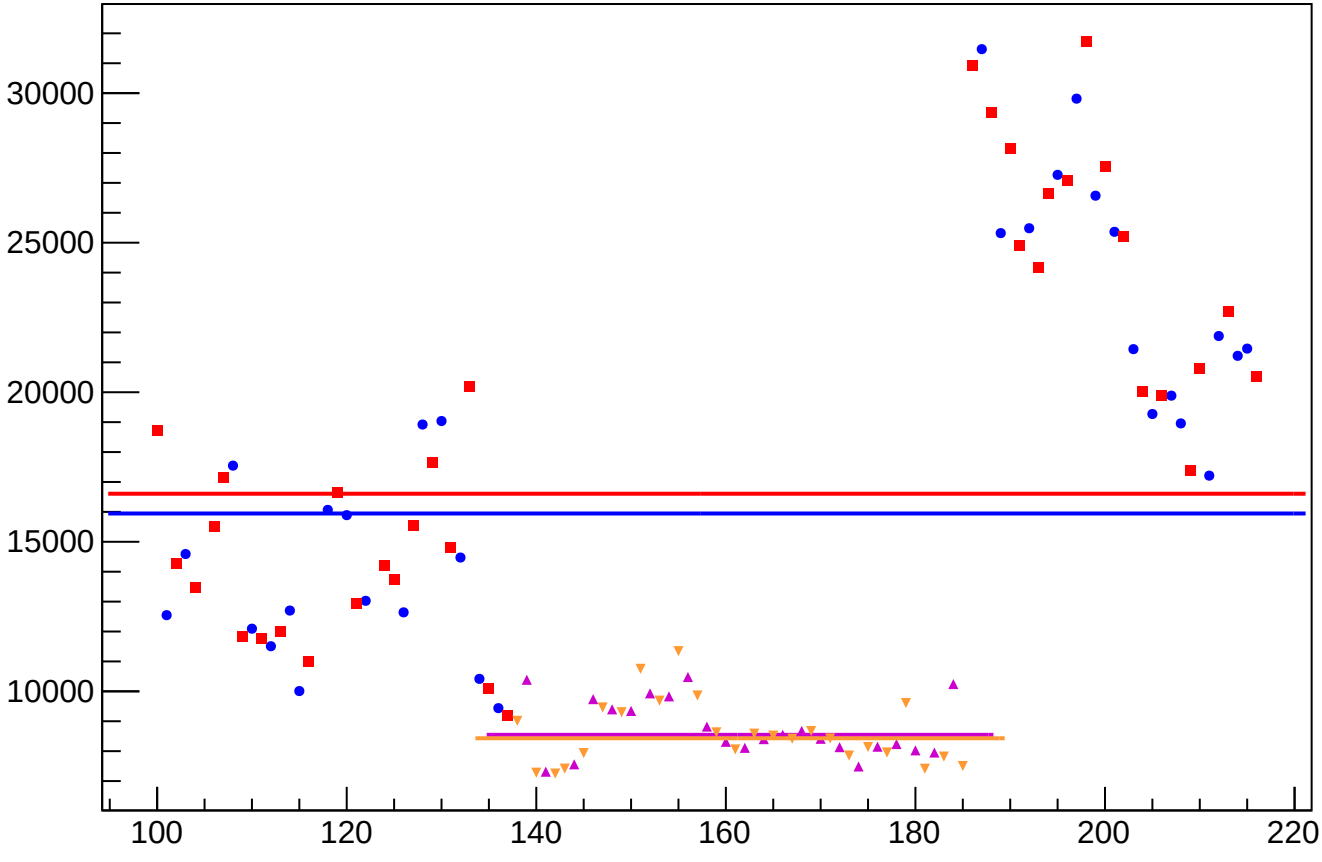
Right: 0.035+/-2.759 χ^2/NDF: 100.5/65

In: -2.080+/-1.783 χ^2/NDF:82.1/53

Out: -4.145+/-1.739 χ^2/NDF:121.8/59

All: -3.138+/-1.245 χ^2/NDF: 204.6/113

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: 16607.013+/-2.799 χ^2/NDF: 4111796.6/34

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

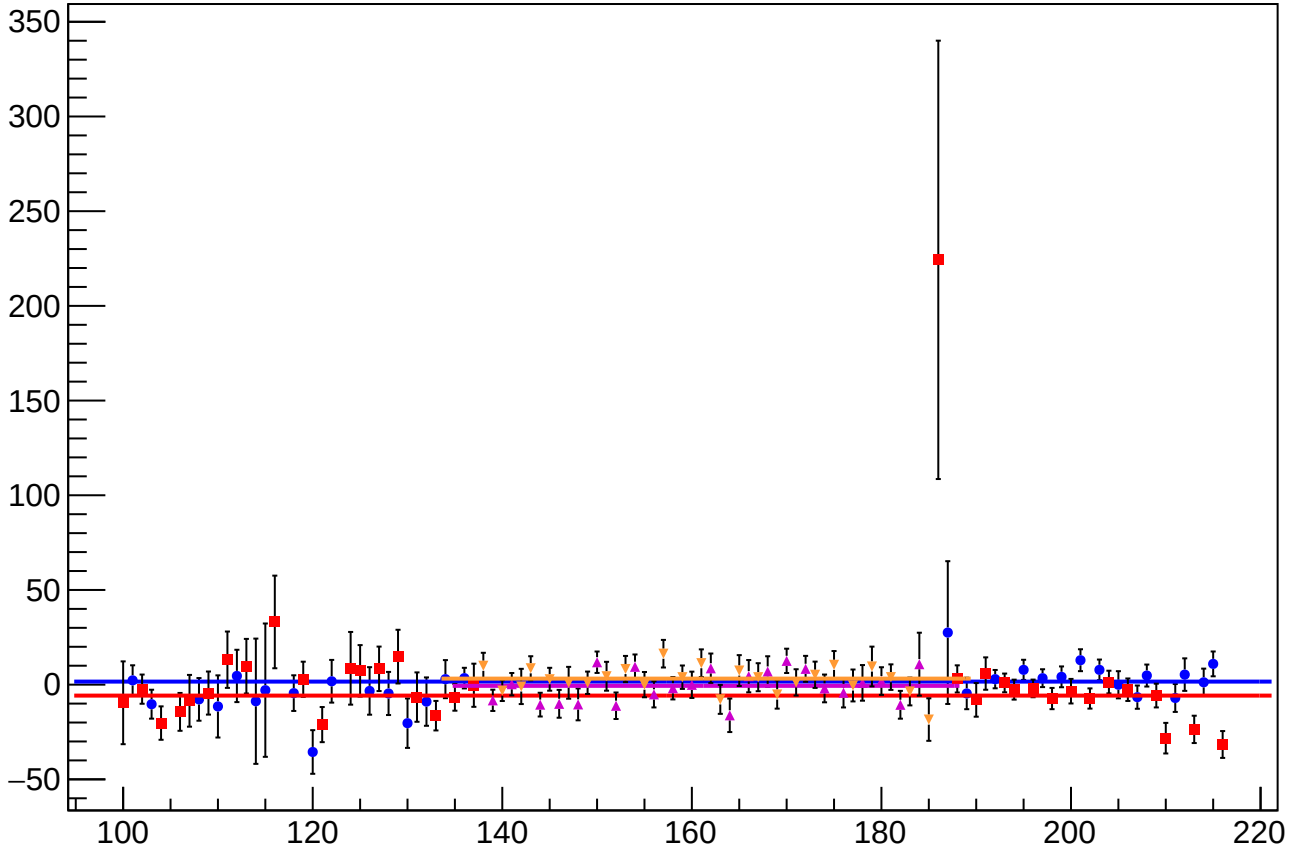
Right: 16267.232+/-1.951 χ^2/NDF: 8102767.3/65

In: 10134.298+/-1.261 χ^2/NDF:10158750.1/53

Out: 10009.294+/-1.230 χ^2/NDF:11482713.8/59

All: 10070.231+/-0.880 χ^2/NDF: 21646500.4

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: -5.781+/-1.342 χ^2/NDF: 59.1/34

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

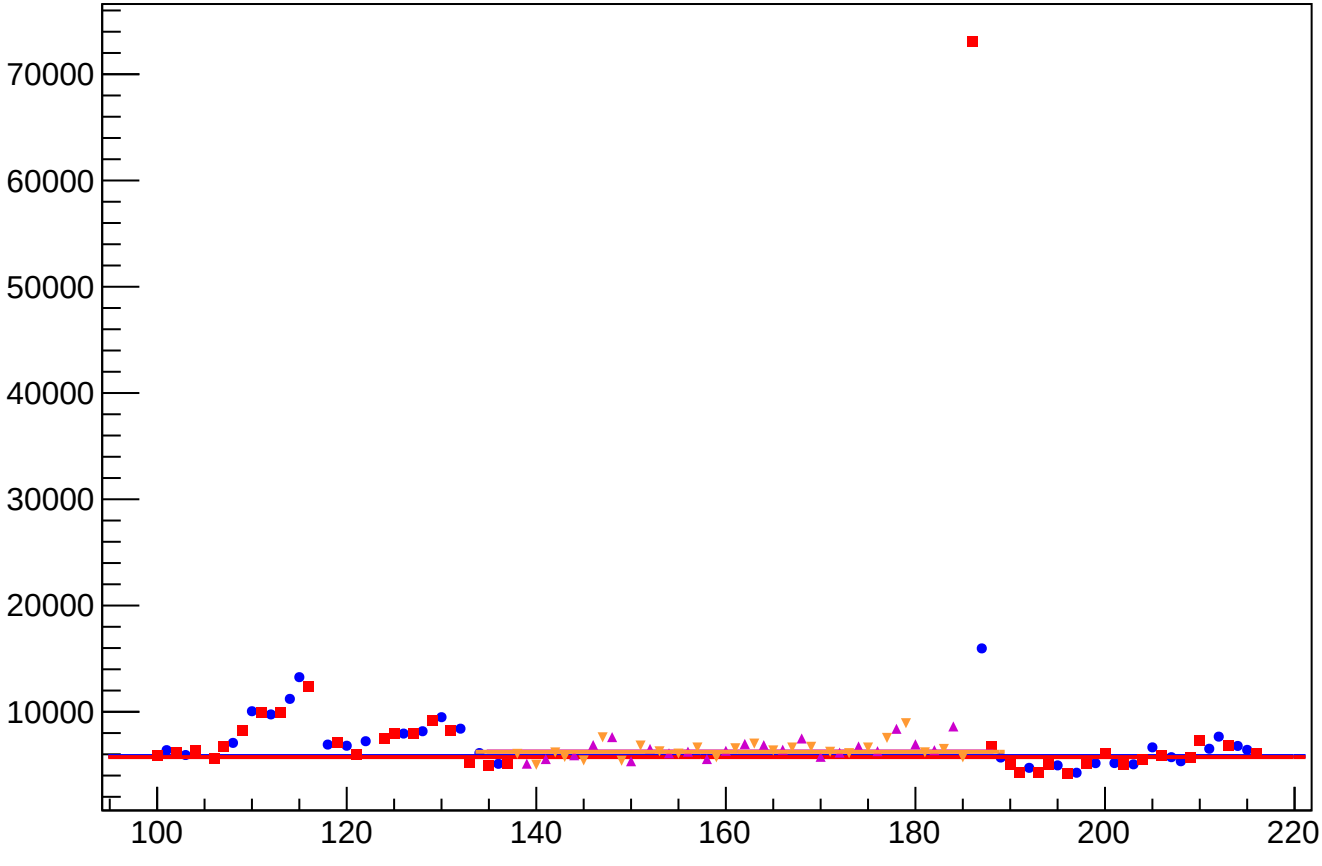
Right: -2.161+/-0.958 χ^2/NDF: 106.5/65

In: 0.577+/-1.006 χ^2/NDF:65.6/53

Out: -1.598+/-0.980 χ^2/NDF:98.6/59

All: -0.539+/-0.702 χ^2/NDF: 166.6/113

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5836.517+/-0.968 χ^2/NDF: 1779970.0/30

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5737.115+/-0.949 χ^2/NDF: 2416129.6/34

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

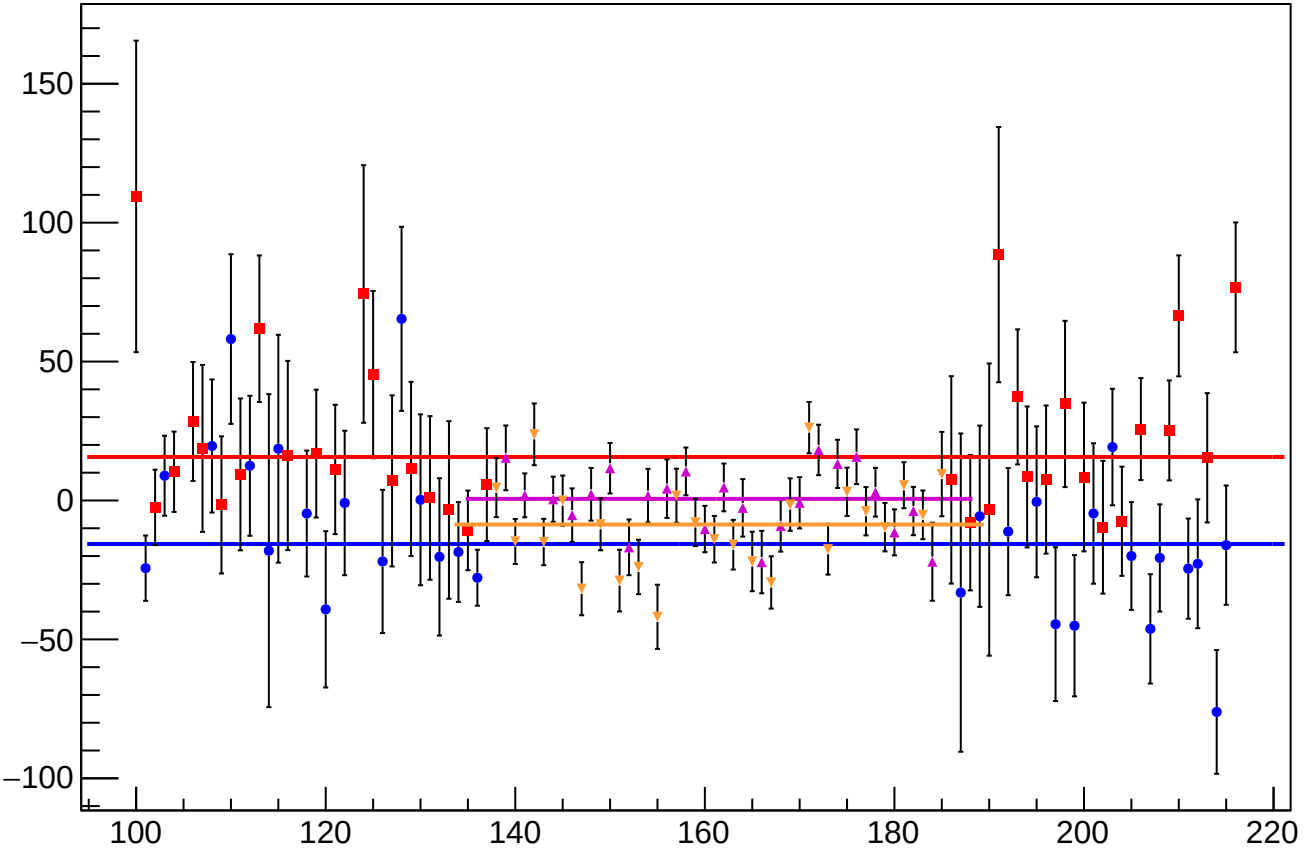
Right: 5785.791+/-0.678 χ^2/NDF: 4201475.4/65

In: 6035.444+/-0.711 χ^2/NDF:2395862.3/53

Out: 5970.748+/-0.693 χ^2/NDF:3053855.1/59

All: 6002.256+/-0.496 χ^2/NDF: 5453962.4/11

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: 15.661+/-4.000 χ^2/NDF: 36.1/34

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

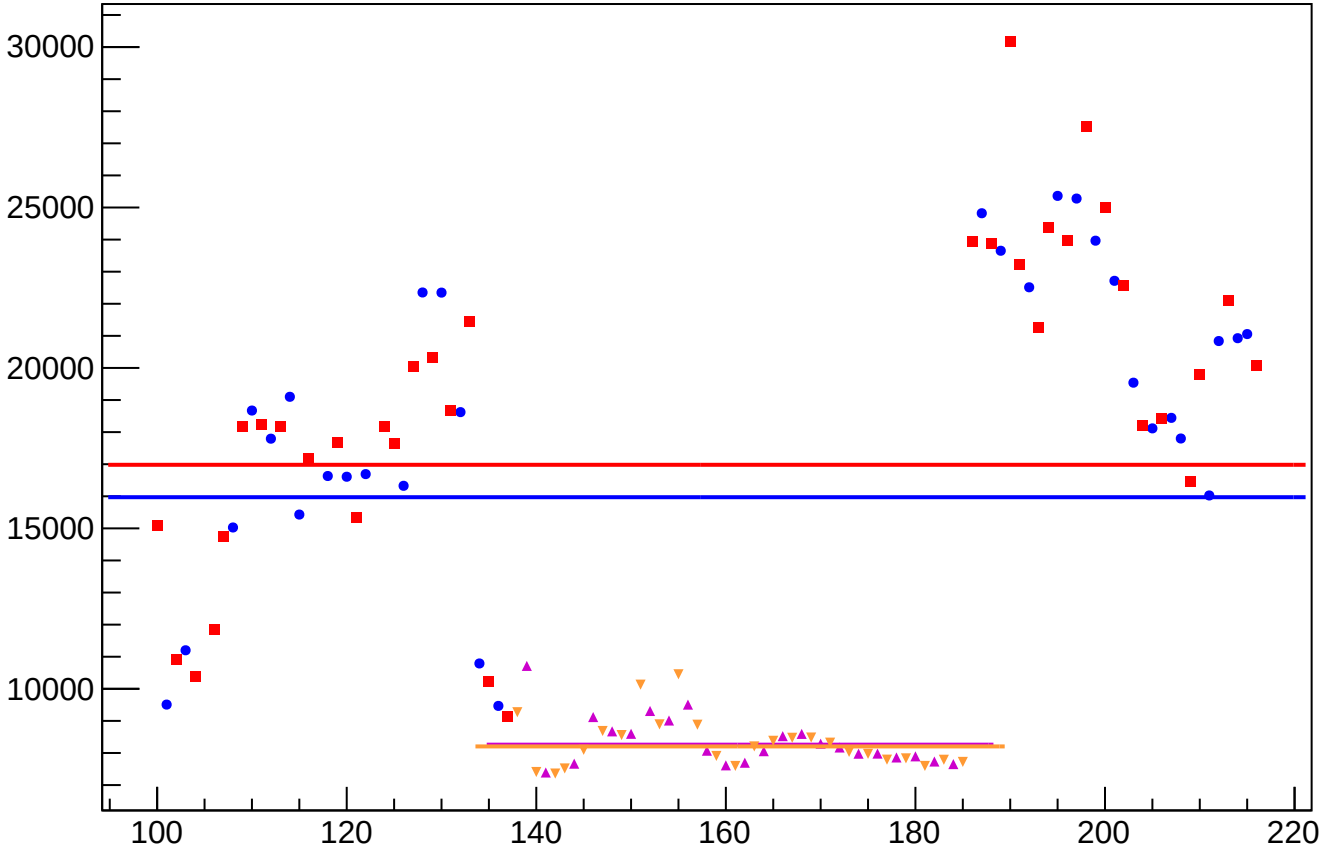
Right: -0.658+/-2.768 χ^2/NDF: 106.7/65

In: -2.724+/-1.730 χ^2/NDF:81.4/53

Out: -4.270+/-1.698 χ^2/NDF:129.4/59

All: -3.512+/-1.212 χ^2/NDF: 211.3/113

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 15971.566+/-2.712 χ^2/NDF: 3601576.4/30

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16981.413+/-2.828 χ^2/NDF: 3290496.8/34

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

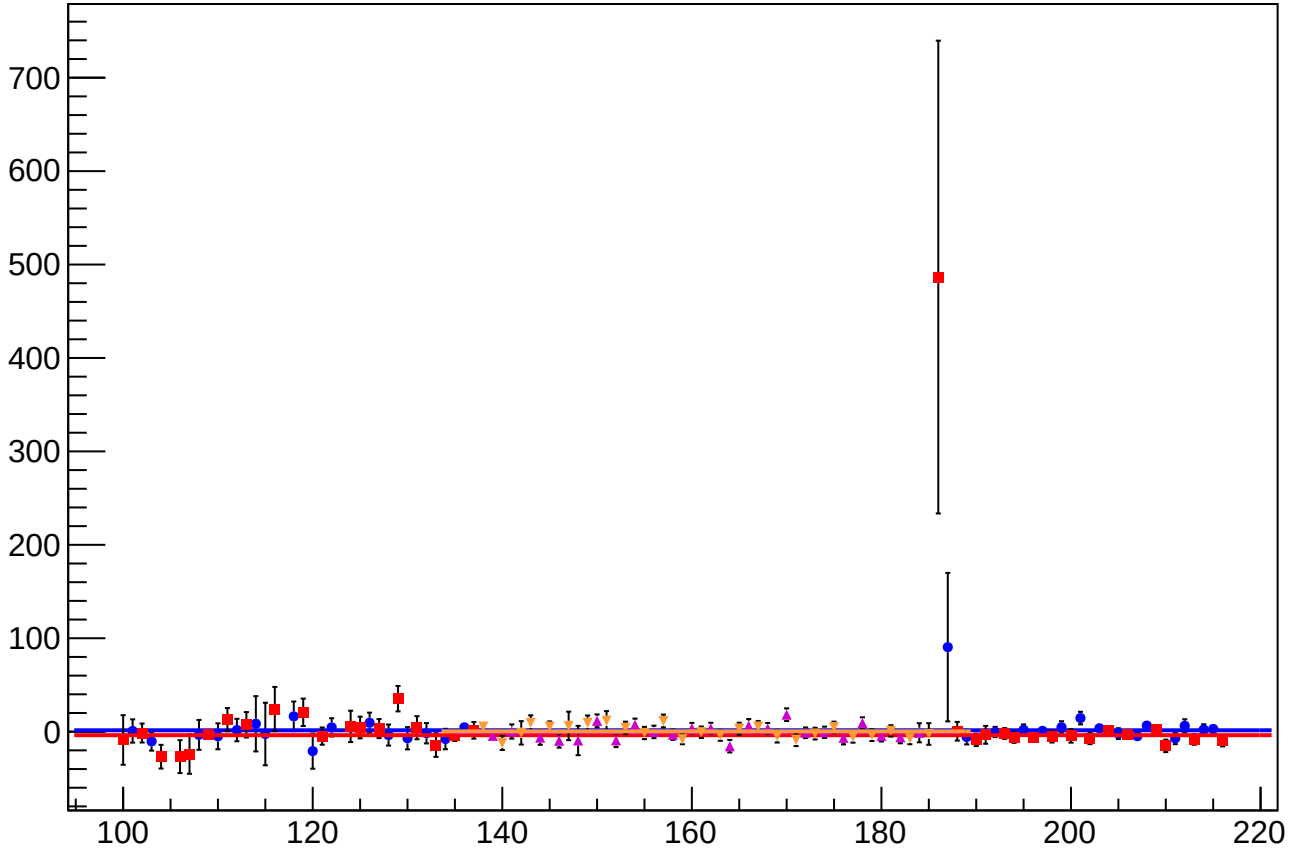
Right: 16455.319+/-1.957 χ^2/NDF: 6958491.6/65

In: 9828.854+/-1.224 χ^2/NDF:10299998.1/53

Out: 9785.899+/-1.201 χ^2/NDF:11458853.6/59

All: 9806.969+/-0.857 χ^2/NDF: 21759479.7/1

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: -3.760+/-1.295 χ^2/NDF: 35.9/34

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

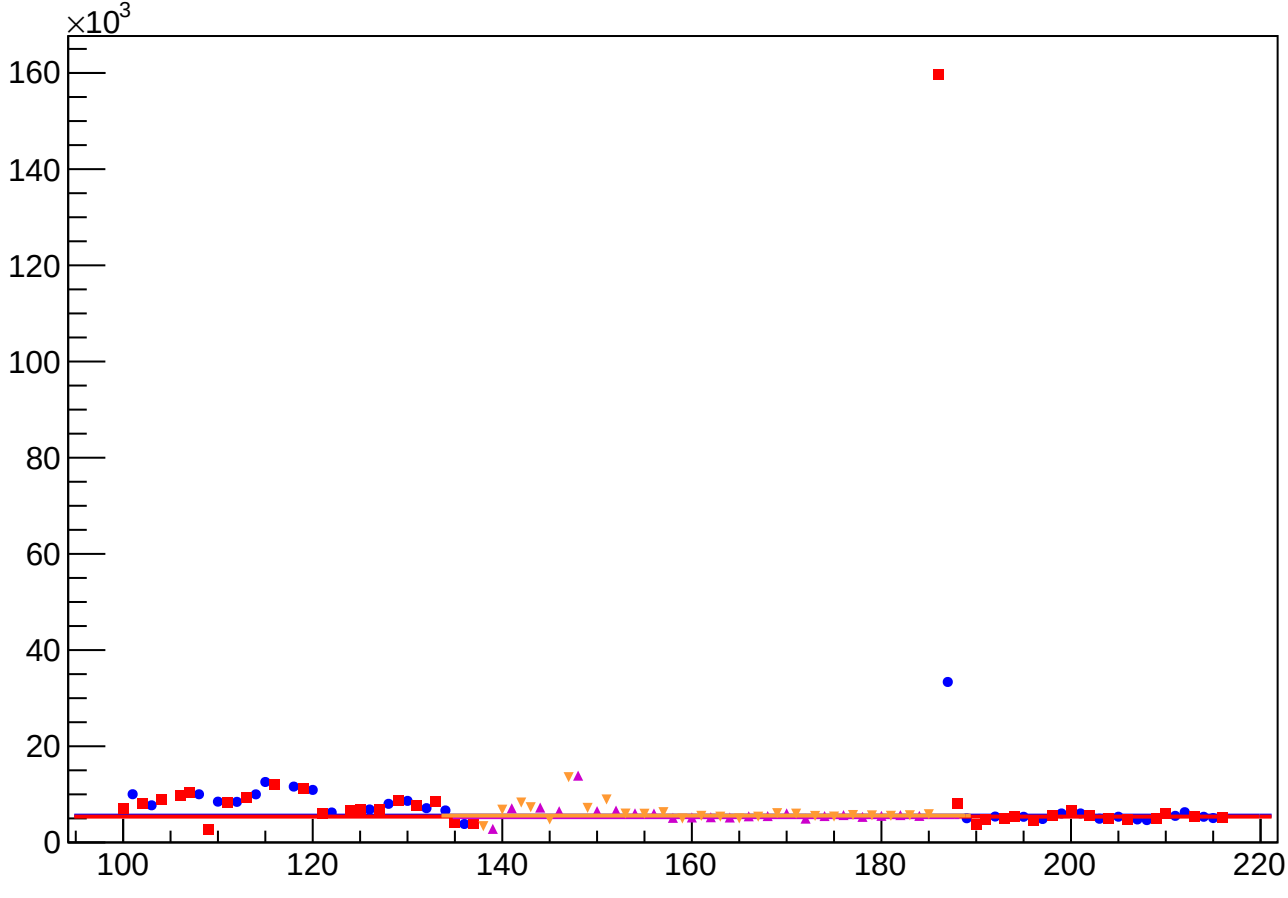
Right: -1.201+/-0.926 χ^2/NDF: 62.5/65

In: 0.354+/-0.924 χ^2/NDF:50.0/53

Out: -1.745+/-0.925 χ^2/NDF:62.3/59

All: -0.695+/-0.654 χ^2/NDF: 114.9/113

diff_bpm1Y_rms vs Slug, Sign Corrected



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: 5374.691+/-0.916 χ^2/NDF: 3818645.9/34

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

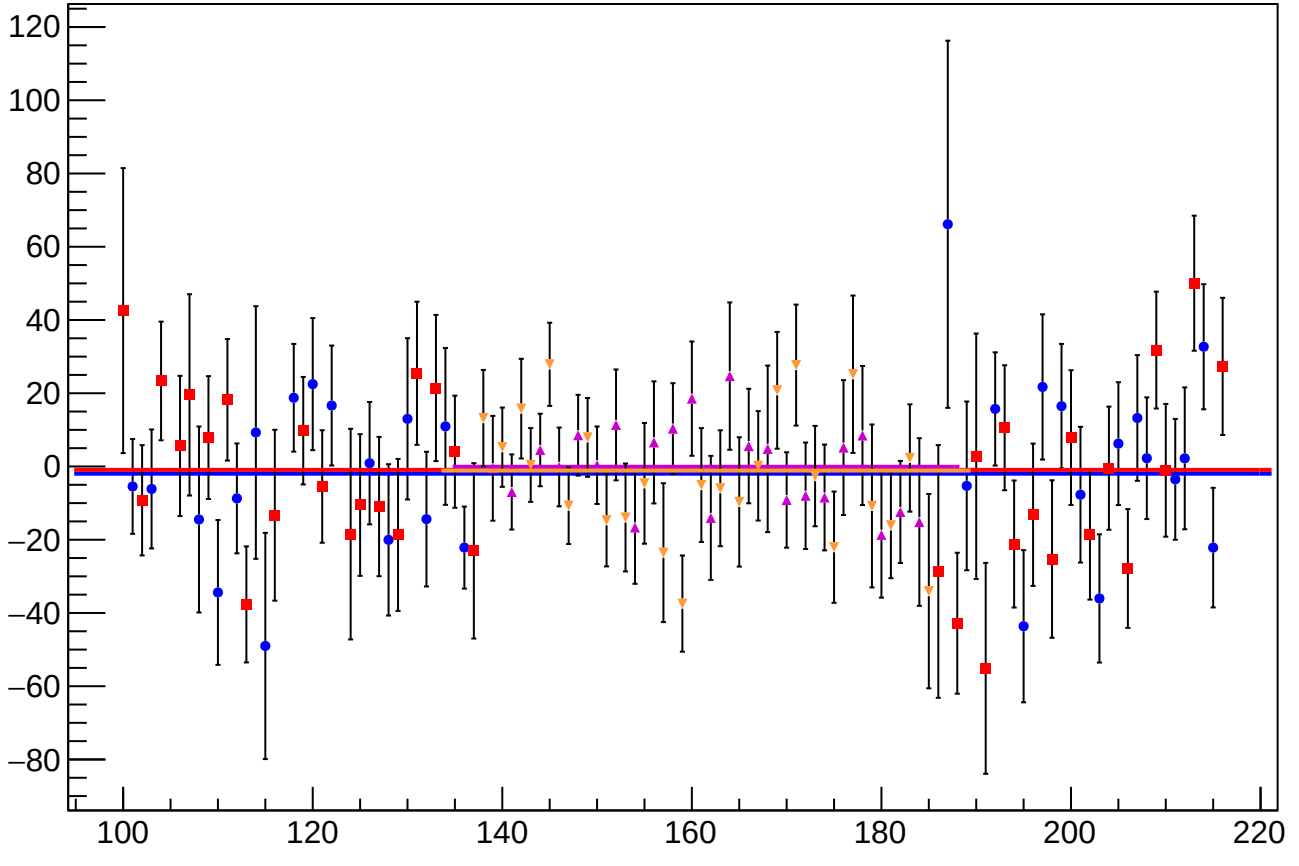
Right: 5473.361+/-0.655 χ^2/NDF: 6321288.6/65

In: 5415.654+/-0.654 χ^2/NDF:4962060.2/53

Out: 5482.393+/-0.654 χ^2/NDF:5631122.3/59

All: 5449.000+/-0.462 χ^2/NDF: 10598390.7/1

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: -0.915+/-3.189 χ^2/NDF: 48.5/34

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

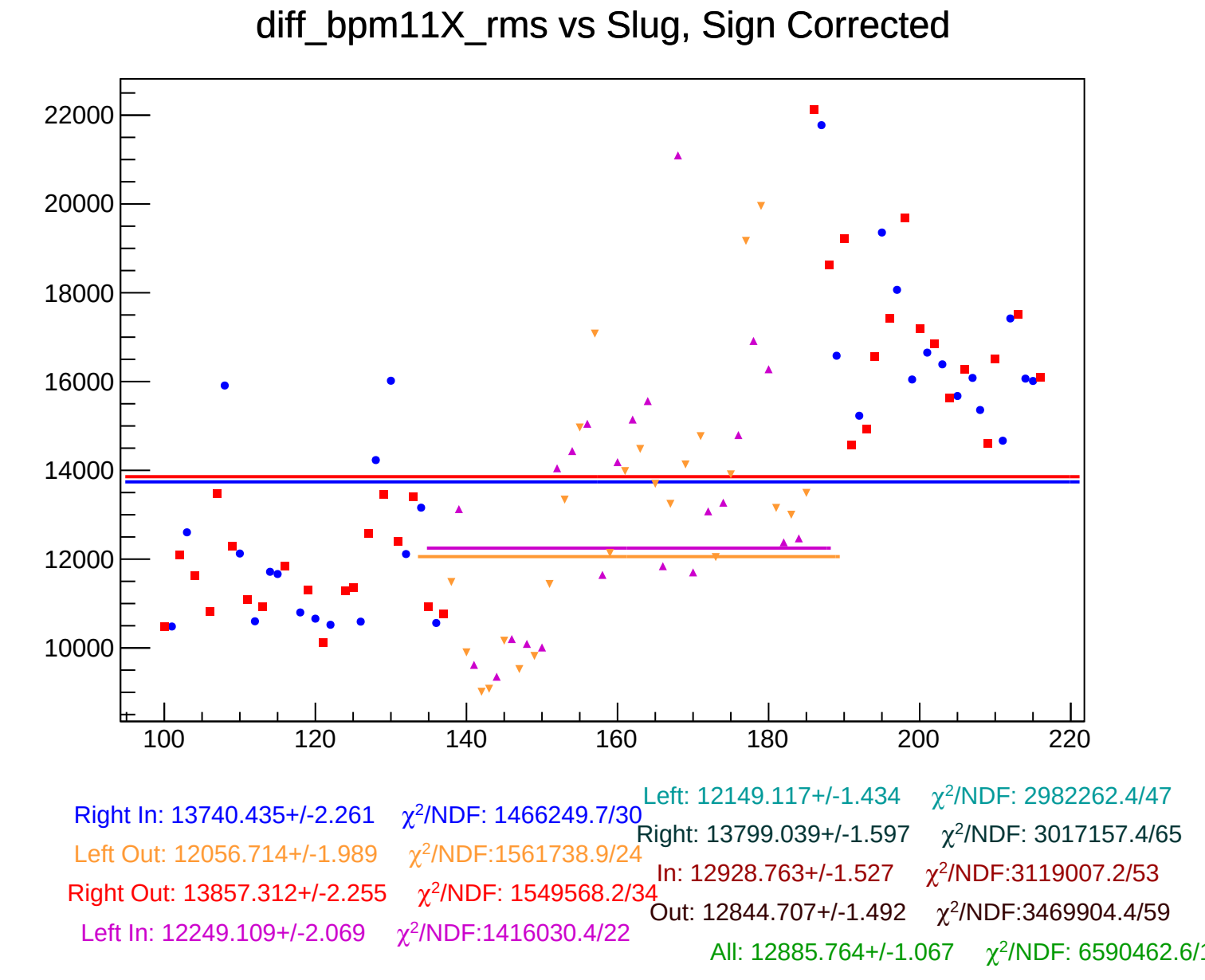
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -1.438+/-2.258 χ^2/NDF: 85.2/65

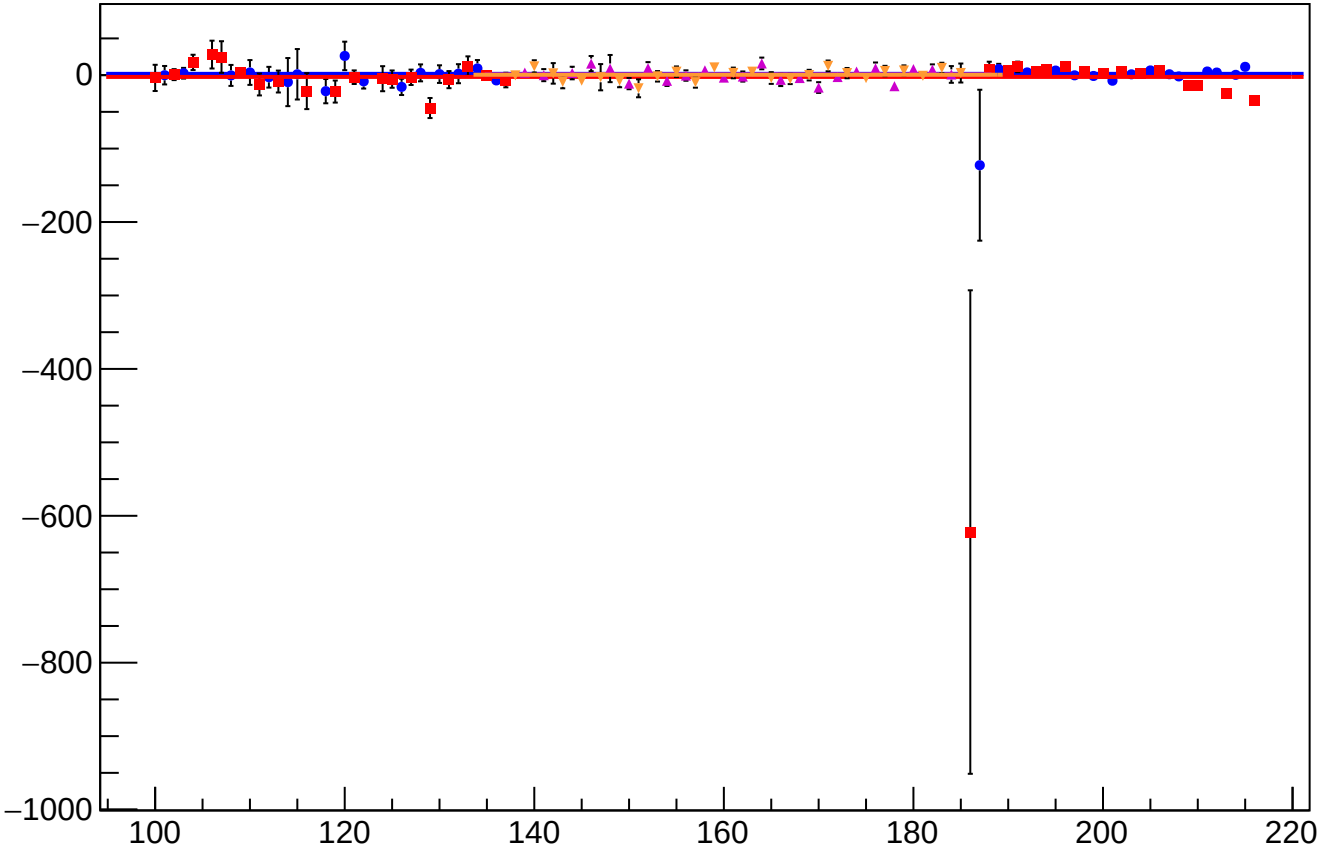
In: -0.941+/-2.159 χ^2/NDF:48.3/53

Out: -1.025+/-2.110 χ^2/NDF:82.3/59

All: -0.984+/-1.509 χ^2/NDF: 130.6/113


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: 13857.312+/-2.255 χ²/NDF: 1549568.2/34
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13799.039+/-1.597 χ²/NDF: 3017157.4/65
In: 12928.763+/-1.527 χ²/NDF:3119007.2/53
Out: 12844.707+/-1.492 χ²/NDF:3469904.4/59
All: 12885.764+/-1.067 χ²/NDF: 6590462.6/

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: -2.429+/-1.104 χ^2/NDF: 143.9/34

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

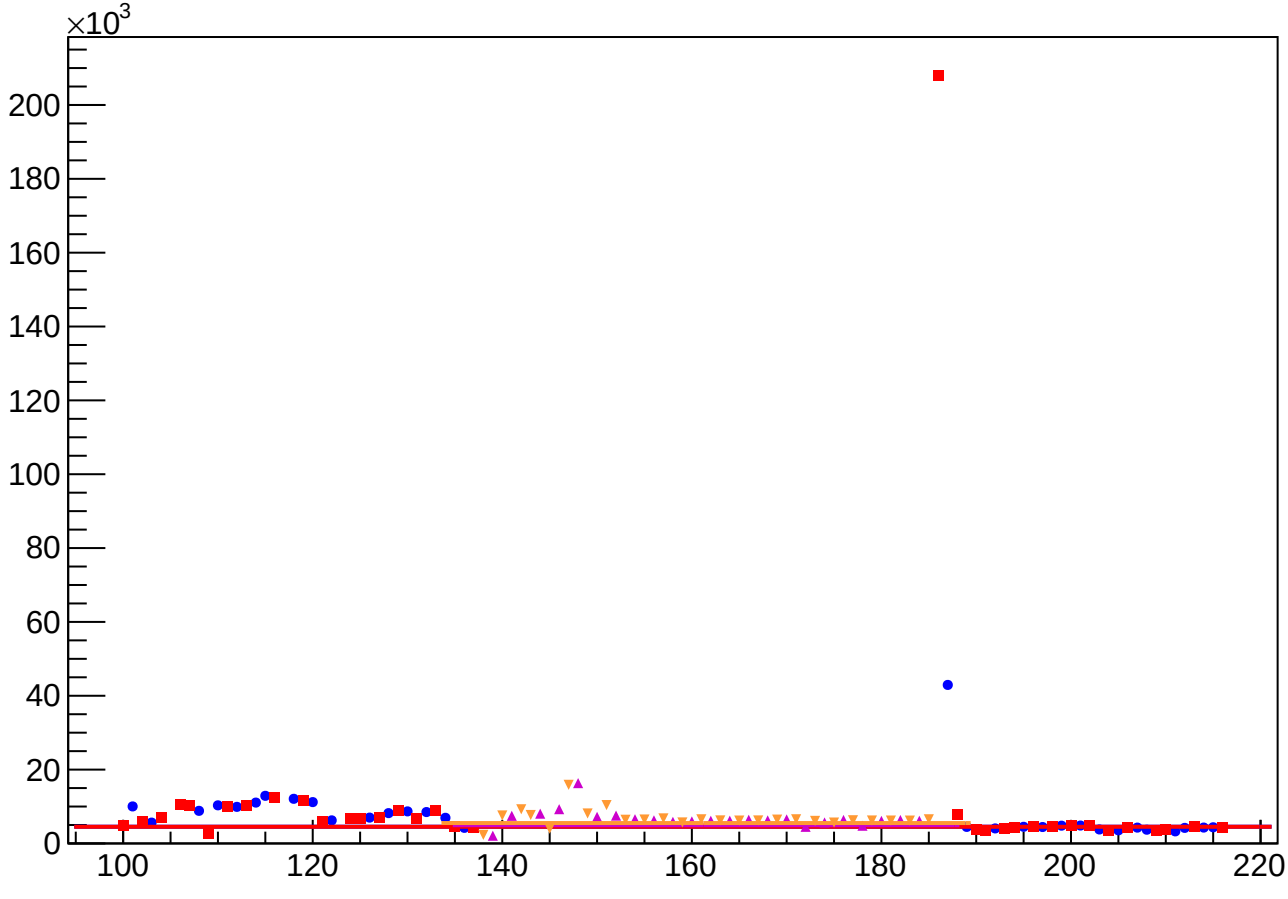
Right: -0.330+/-0.778 χ^2/NDF: 177.6/65

In: 1.411+/-0.837 χ^2/NDF:59.0/53

Out: -1.264+/-0.859 χ^2/NDF:168.1/59

All: 0.108+/-0.600 χ^2/NDF: 232.0/113

diff_bpm11Y_rms vs Slug, Sign Corrected



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: 4517.044+/-0.780 χ^2/NDF: 4234478.1/34

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

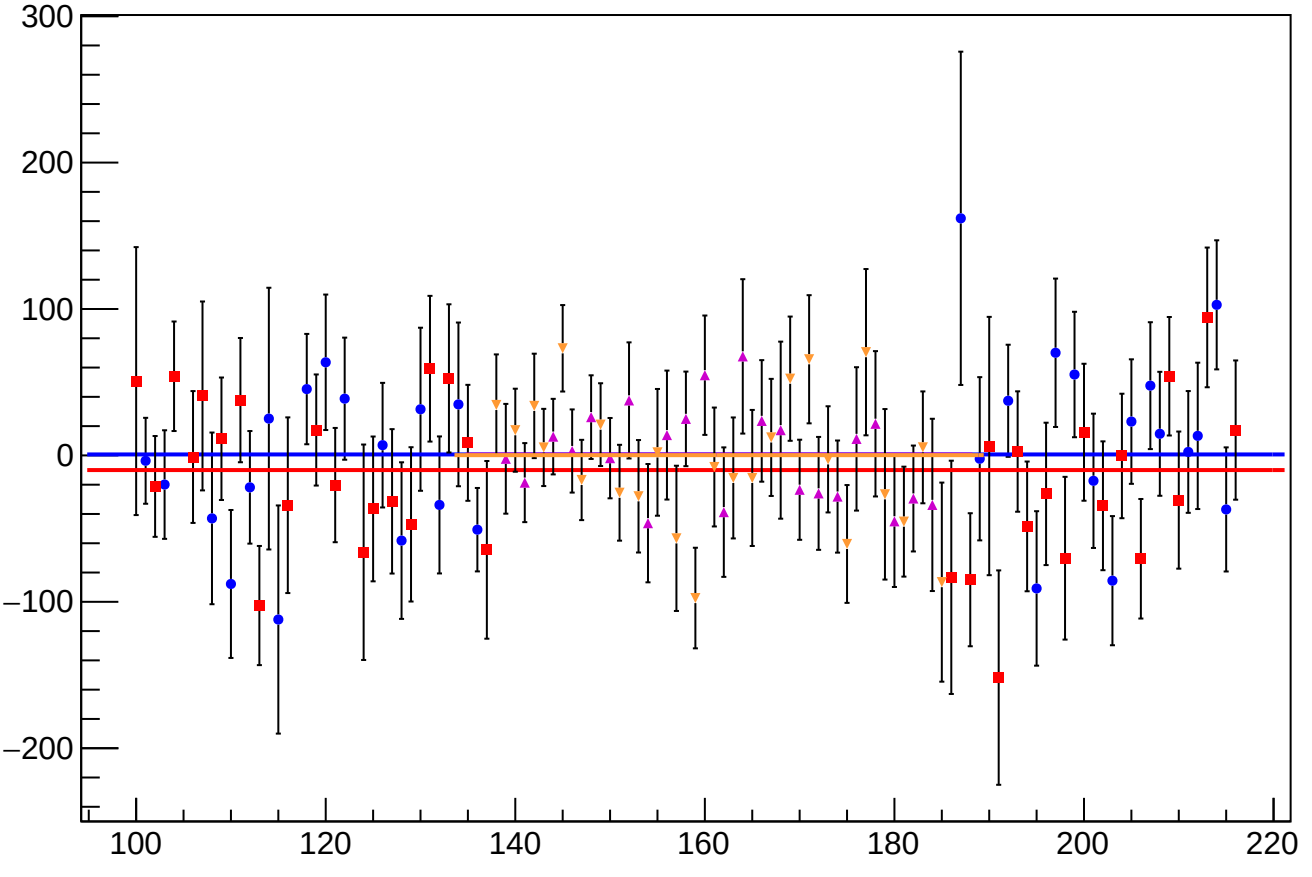
Right: 4525.155+/-0.550 χ^2/NDF: 7960490.0/65

In: 4704.225+/-0.592 χ^2/NDF:9777952.9/53

Out: 4915.396+/-0.608 χ^2/NDF:9271315.9/59

All: 4807.074+/-0.424 χ^2/NDF: 19111241.4/1

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: -10.013+/-7.976 χ^2/NDF: 37.8/34

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

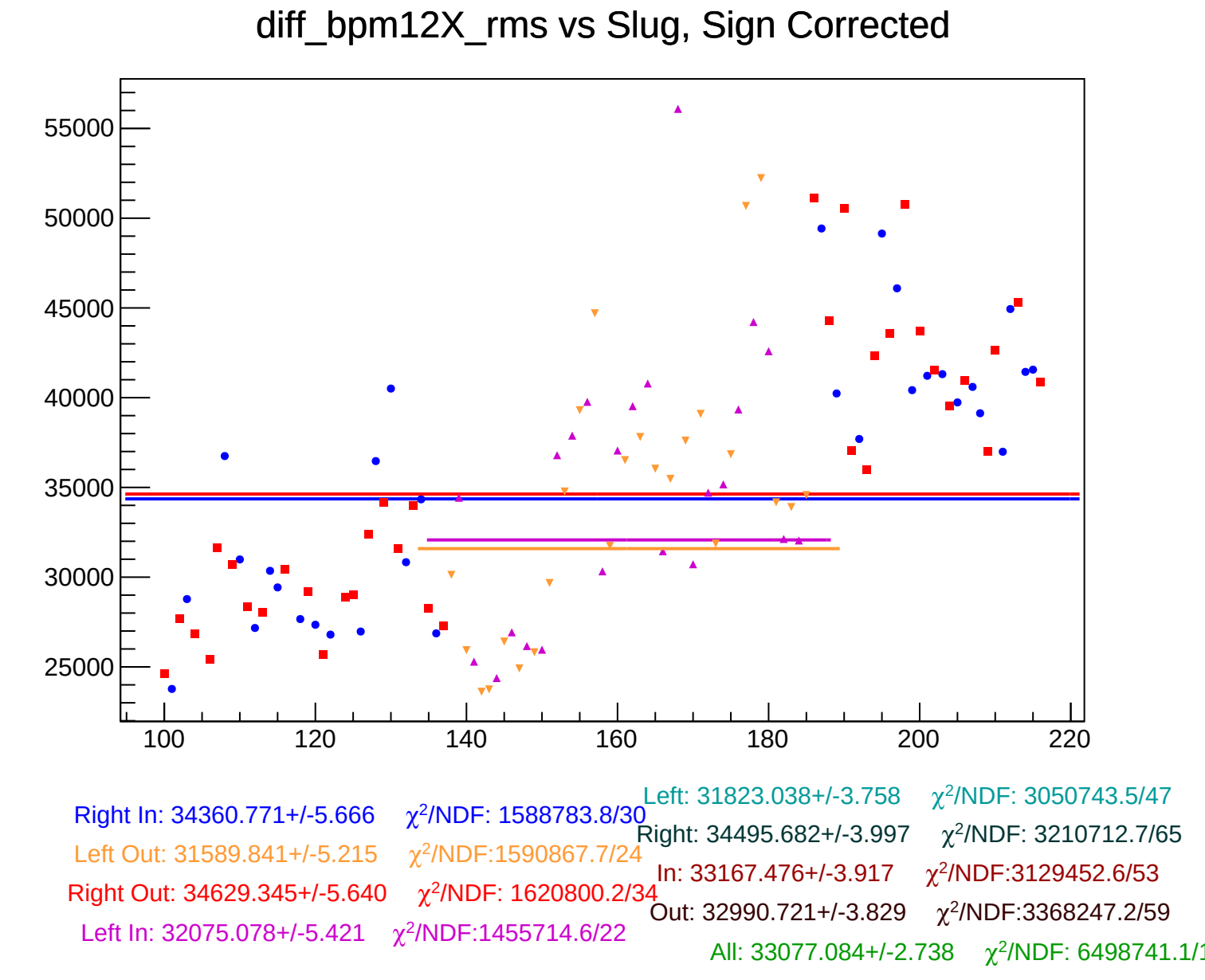
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

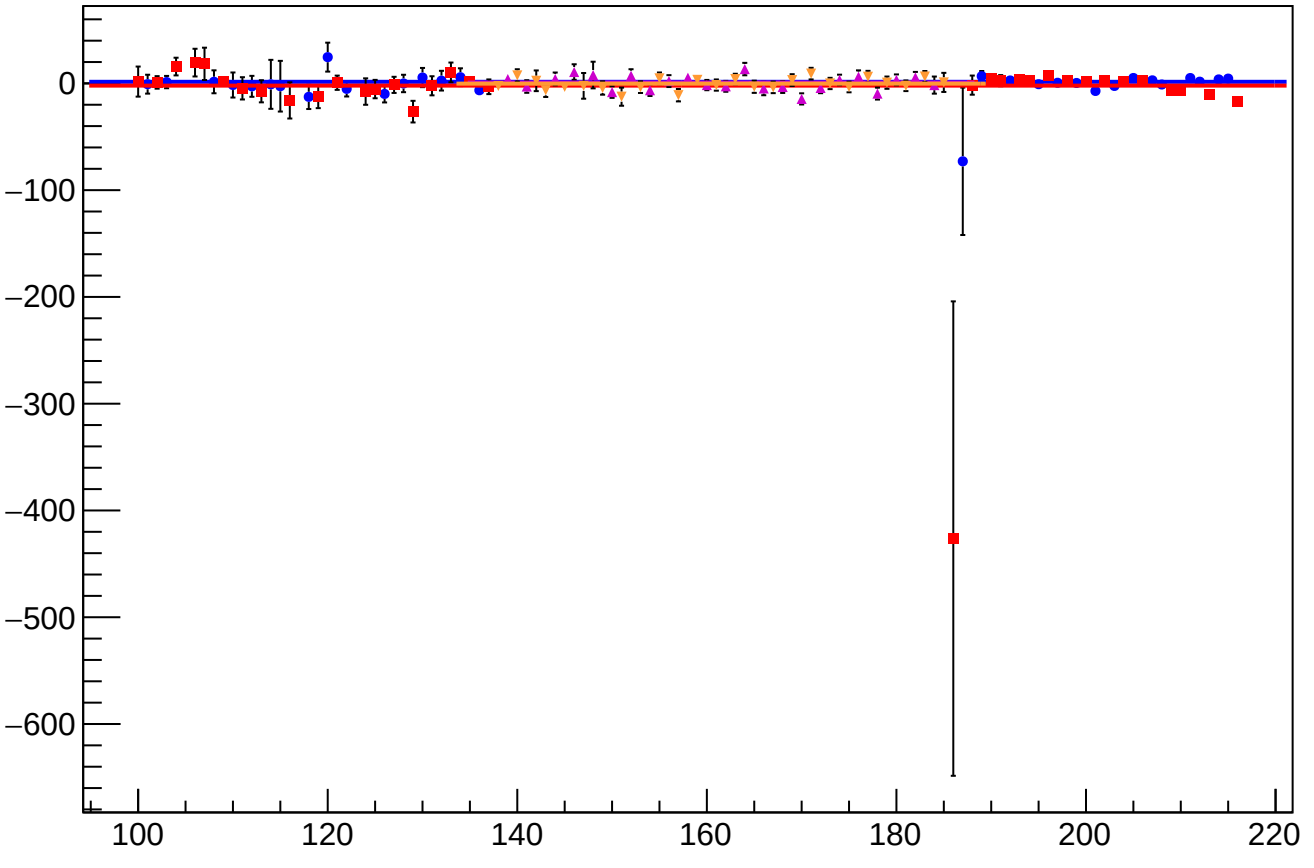
Right: -4.700+/-5.653 χ^2/NDF: 76.1/65

In: 0.623+/-5.540 χ^2/NDF:50.3/53

Out: -4.524+/-5.415 χ^2/NDF:69.8/59

All: -2.009+/-3.872 χ^2/NDF: 120.5/113


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: 34629.345+/-5.640 χ²/NDF: 1620800.2/34
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 34495.682+/-3.997 χ²/NDF: 3210712.7/65
In: 33167.476+/-3.917 χ²/NDF:3129452.6/53
Out: 32990.721+/-3.829 χ²/NDF:3368247.2/59
All: 33077.084+/-2.738 χ²/NDF: 6498741.1/1



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: -2.091+/-0.674 χ^2/NDF: 117.1/34

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

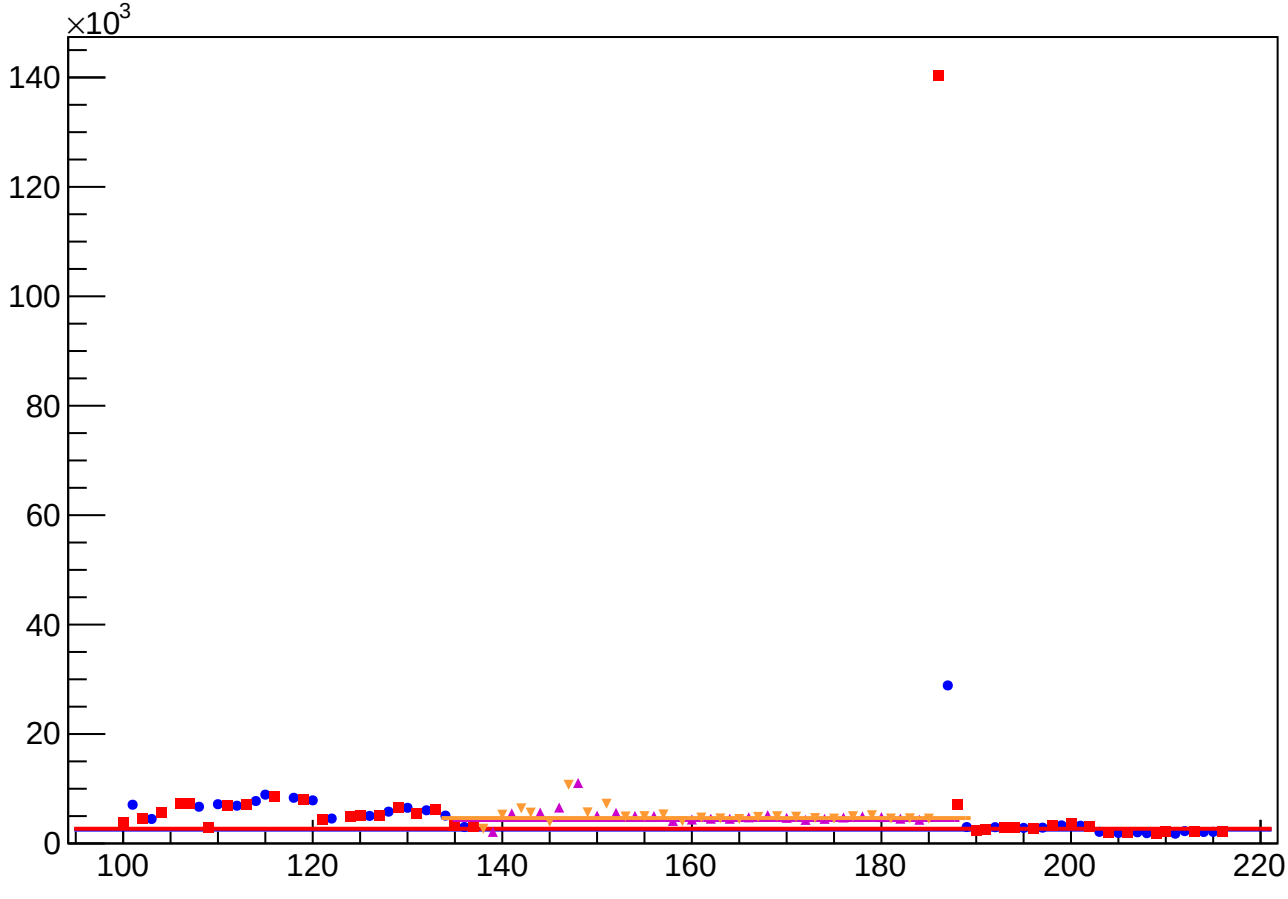
Right: -0.196+/-0.462 χ^2/NDF: 168.9/65

In: 1.298+/-0.544 χ^2/NDF:71.0/53

Out: -1.577+/-0.574 χ^2/NDF:139.1/59

All: -0.063+/-0.395 χ^2/NDF: 223.3/113

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: 2687.805+/-0.477 χ^2/NDF: 6365611.3/34

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

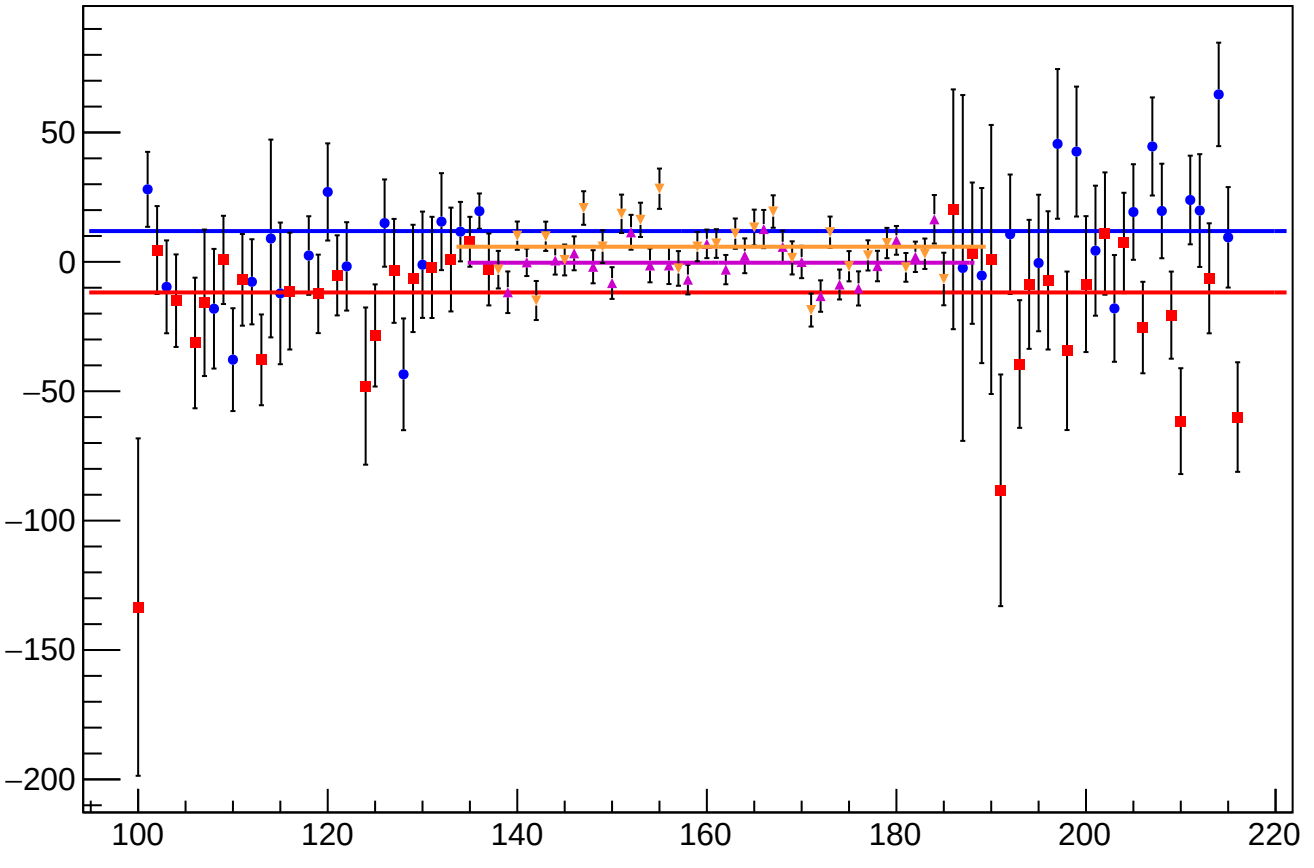
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 2604.945+/-0.327 χ^2/NDF: 12433261.6/65

In: 2996.235+/-0.385 χ^2/NDF:13178507.2/53

Out: 3224.615+/-0.406 χ^2/NDF:12732056.2/59

All: 3104.384+/-0.279 χ^2/NDF: 26077230.4/1



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: -11.821+/-3.383 χ^2/NDF: 35.2/34

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

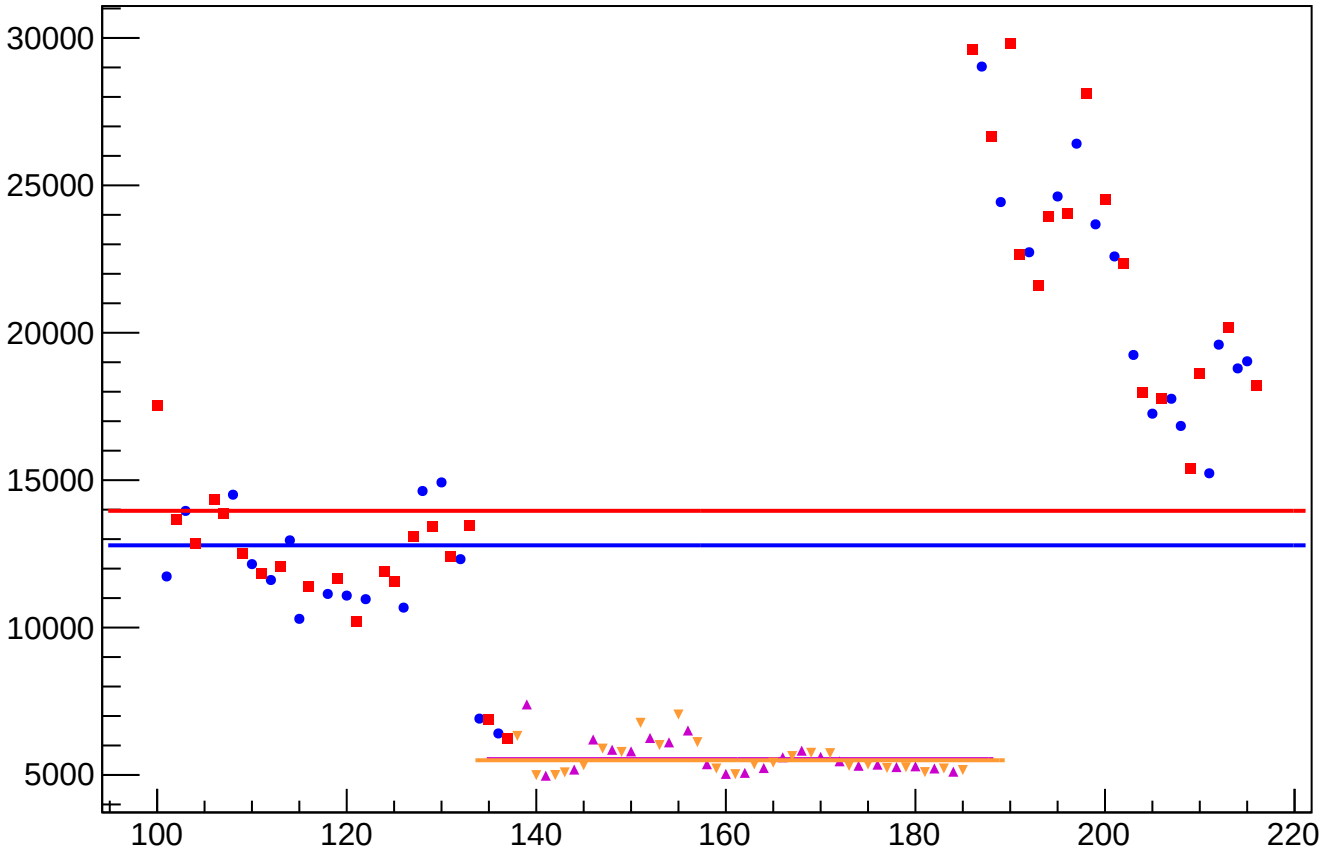
Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

Right: 0.780+/-2.316 χ^2/NDF: 100.6/65

In: 1.419+/-1.204 χ^2/NDF:81.4/53

Out: 3.704+/-1.179 χ^2/NDF:119.2/59

All: 2.586+/-0.842 χ^2/NDF: 202.4/113



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: 13960.512+/-2.392 χ^2/NDF: 5293135.9/34

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

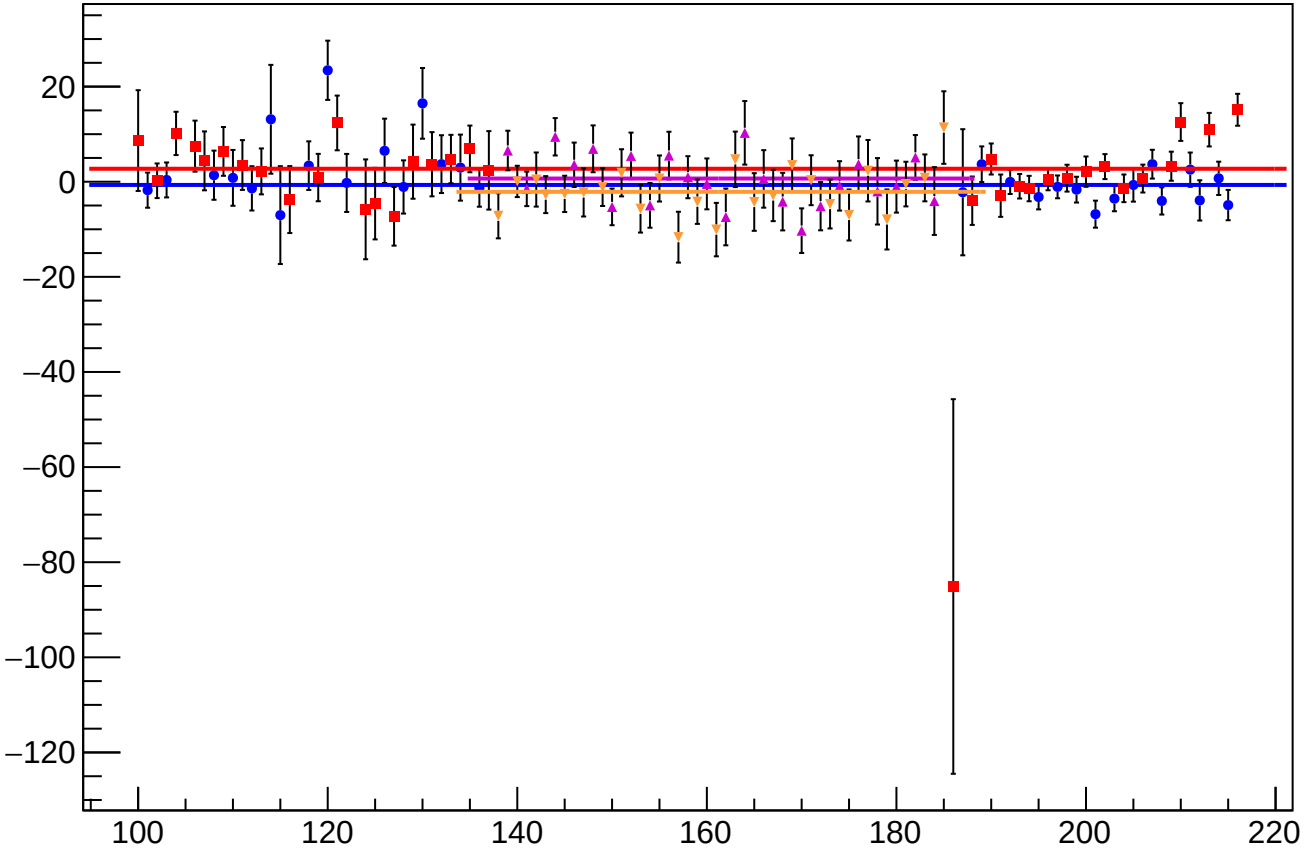
Right: 13338.318+/-1.638 χ^2/NDF: 11309189.1/65

In: 6578.620+/-0.851 χ^2/NDF:15114463.8/53

Out: 6526.130+/-0.833 χ^2/NDF:16582223.4/59

All: 6551.820+/-0.596 χ^2/NDF: 31698628.6/

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: 2.729+/-0.676 χ^2/NDF: 56.2/34

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

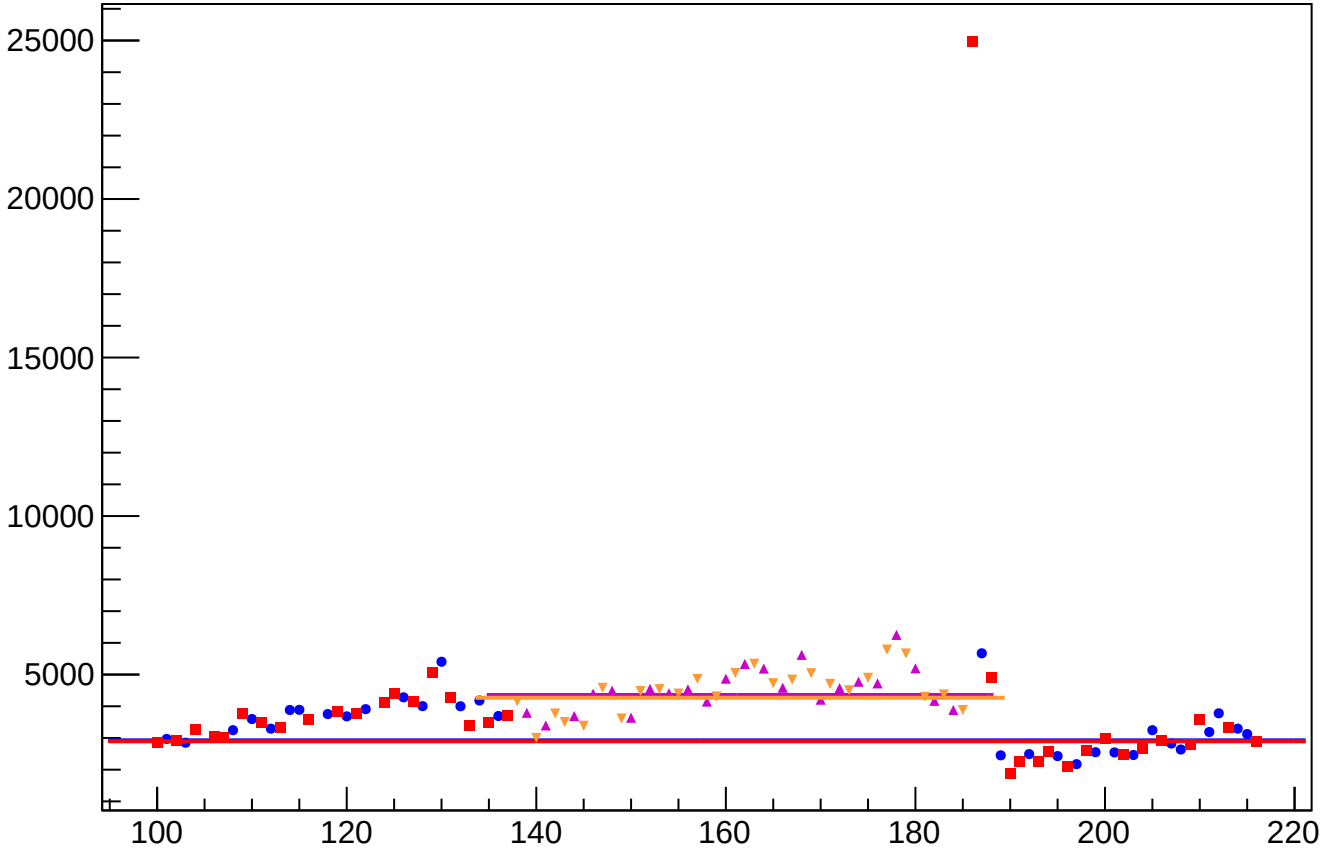
Right: 1.050+/-0.481 χ^2/NDF: 109.1/65

In: -0.263+/-0.570 χ^2/NDF:69.9/53

Out: 1.184+/-0.558 χ^2/NDF:90.1/59

All: 0.477+/-0.399 χ^2/NDF: 163.3/113

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: 2895.296+/-0.478 χ^2/NDF: 2514297.8/34

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

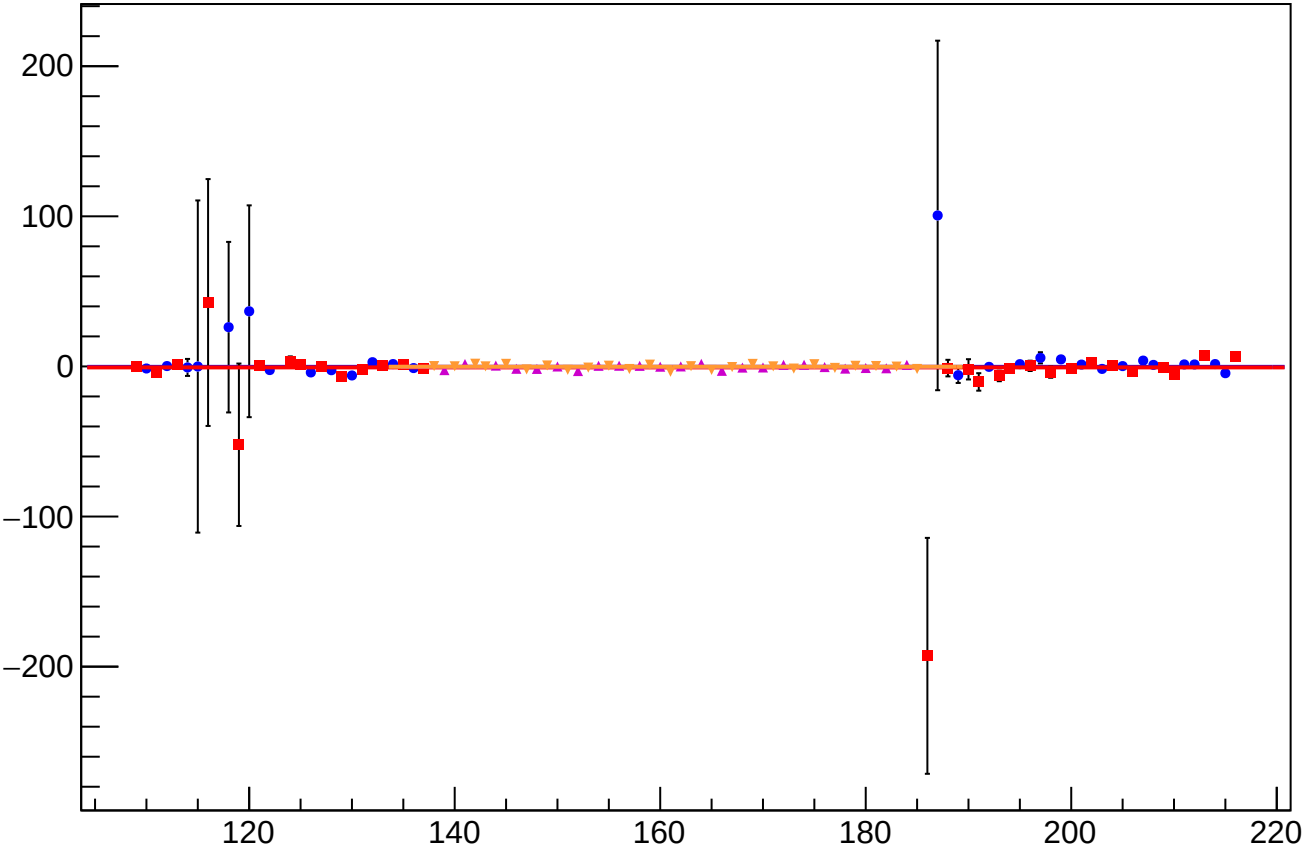
Right: 2909.762+/-0.340 χ^2/NDF: 4051855.0/65

In: 3362.767+/-0.403 χ^2/NDF:4953734.7/53

Out: 3333.045+/-0.394 χ^2/NDF:6180648.8/59

All: 3347.570+/-0.282 χ^2/NDF: 11137160.4/1

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: -0.647+/-0.519 χ^2/NDF: 48.9/29

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

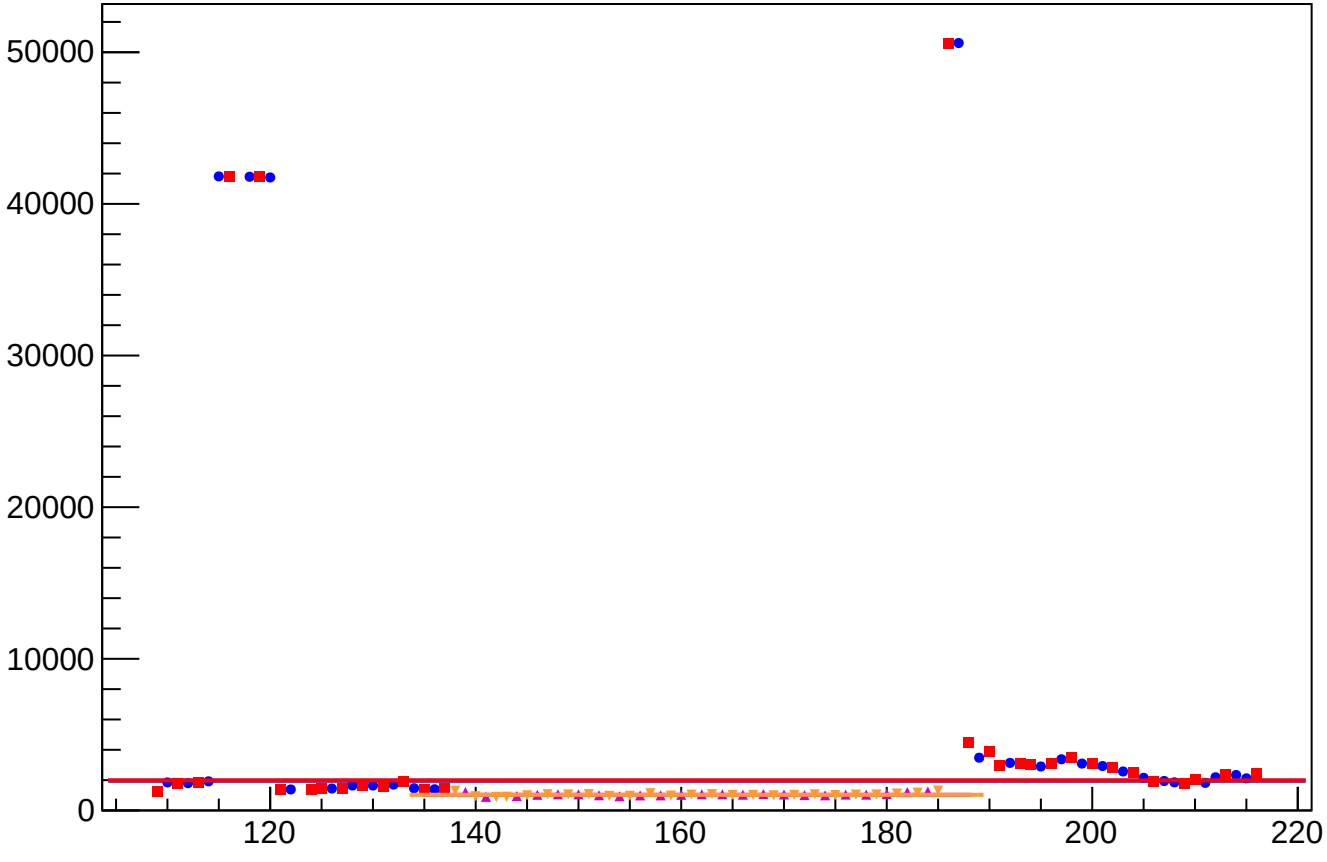
Right: -0.466+/-0.361 χ^2/NDF: 80.7/57

In: -0.326+/-0.218 χ^2/NDF:61.0/50

Out: -0.277+/-0.214 χ^2/NDF:83.4/54

All: -0.301+/-0.153 χ^2/NDF: 144.5/105

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: 1982.359+/-0.367 χ^2/NDF: 5469903.5/29

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

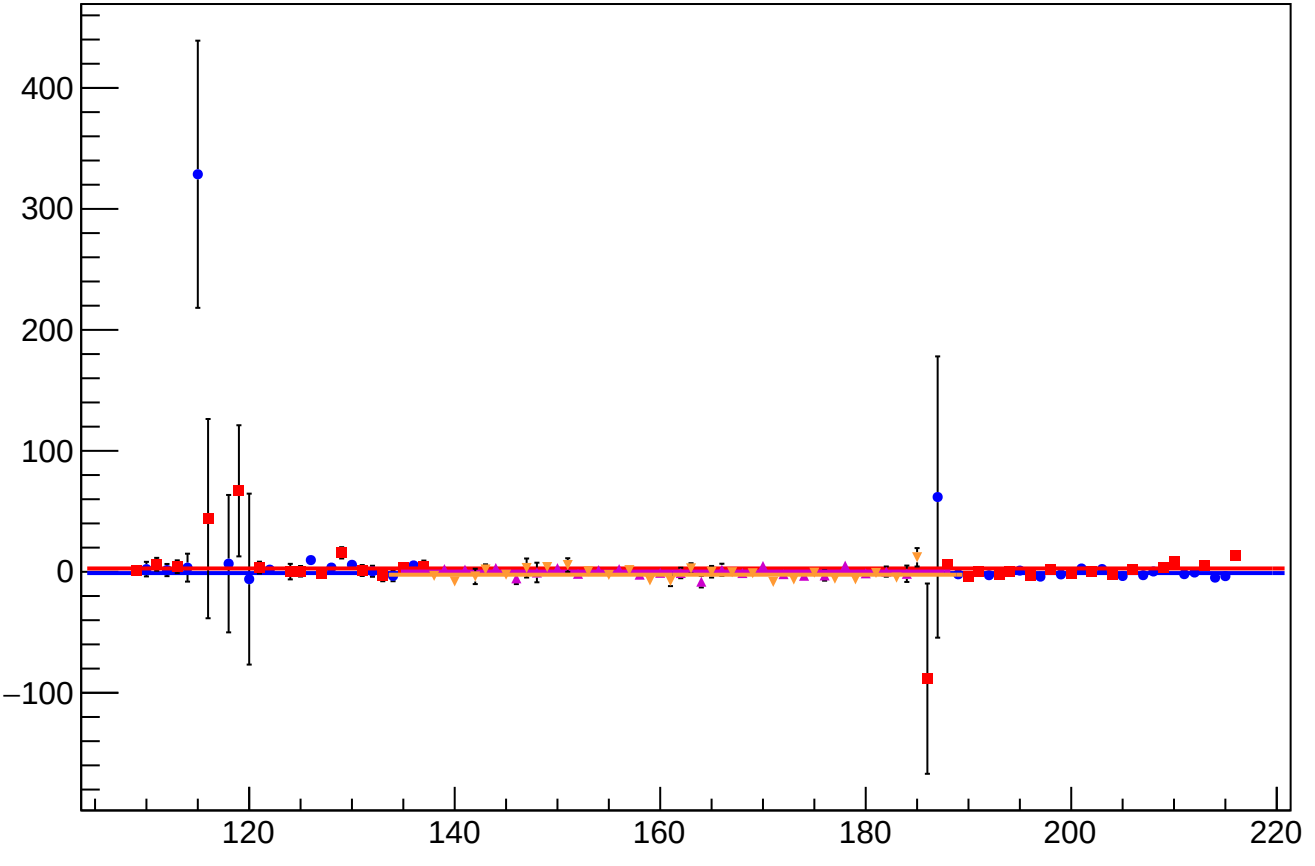
Right: 1973.313+/-0.256 χ^2/NDF: 9949219.7/57

In: 1207.783+/-0.154 χ^2/NDF:10230580.4/50

Out: 1193.777+/-0.152 χ^2/NDF:11279448.5/54

All: 1200.658+/-0.108 χ^2/NDF: 21514219.8/1

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: 2.774+/-0.453 χ^2/NDF: 106.7/29

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

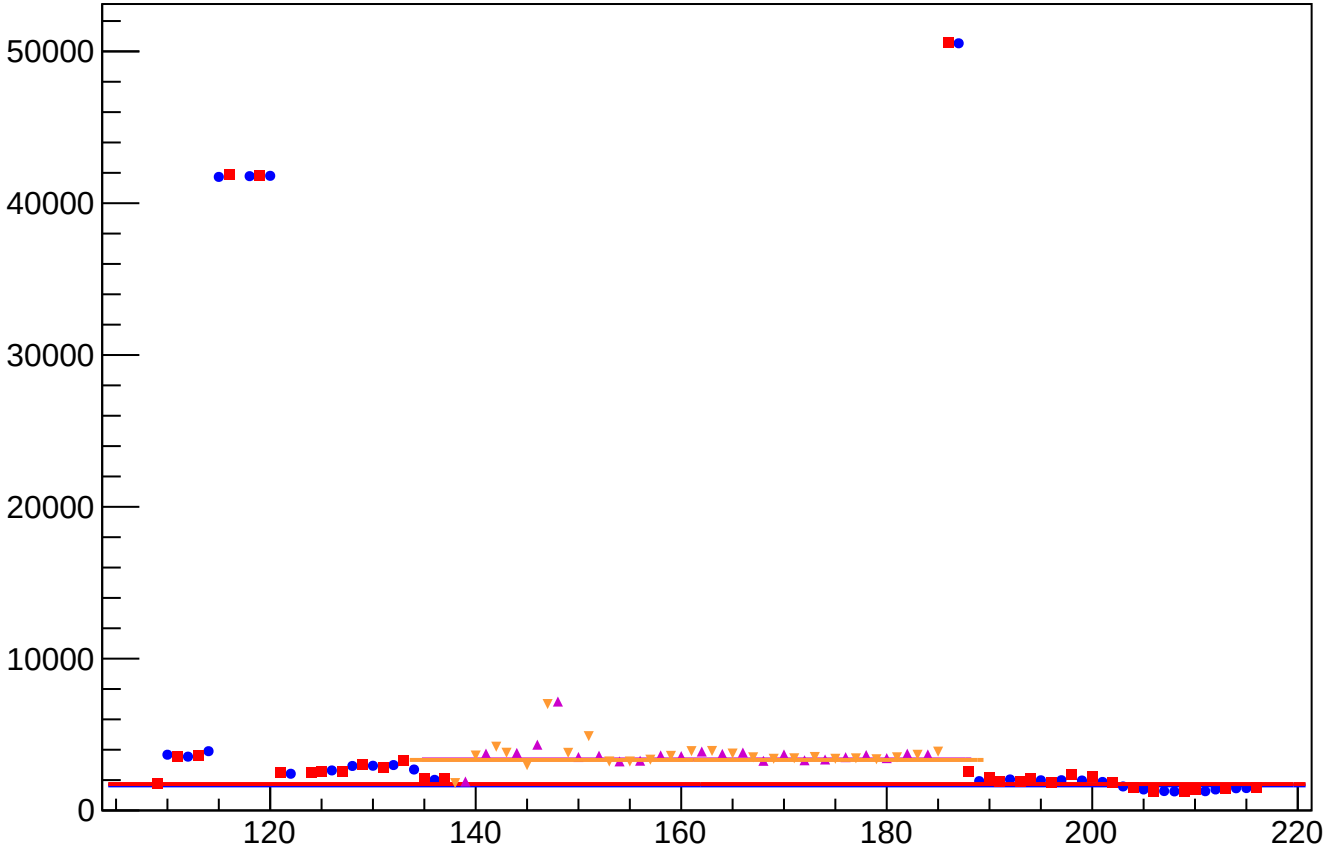
Right: 0.745+/-0.310 χ^2/NDF: 199.9/57

In: -0.782+/-0.377 χ^2/NDF:70.0/50

Out: 1.478+/-0.392 χ^2/NDF:163.5/54

All: 0.303+/-0.272 χ^2/NDF: 250.7/105

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: 1740.364+/-0.320 χ^2/NDF: 4787318.6/29

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

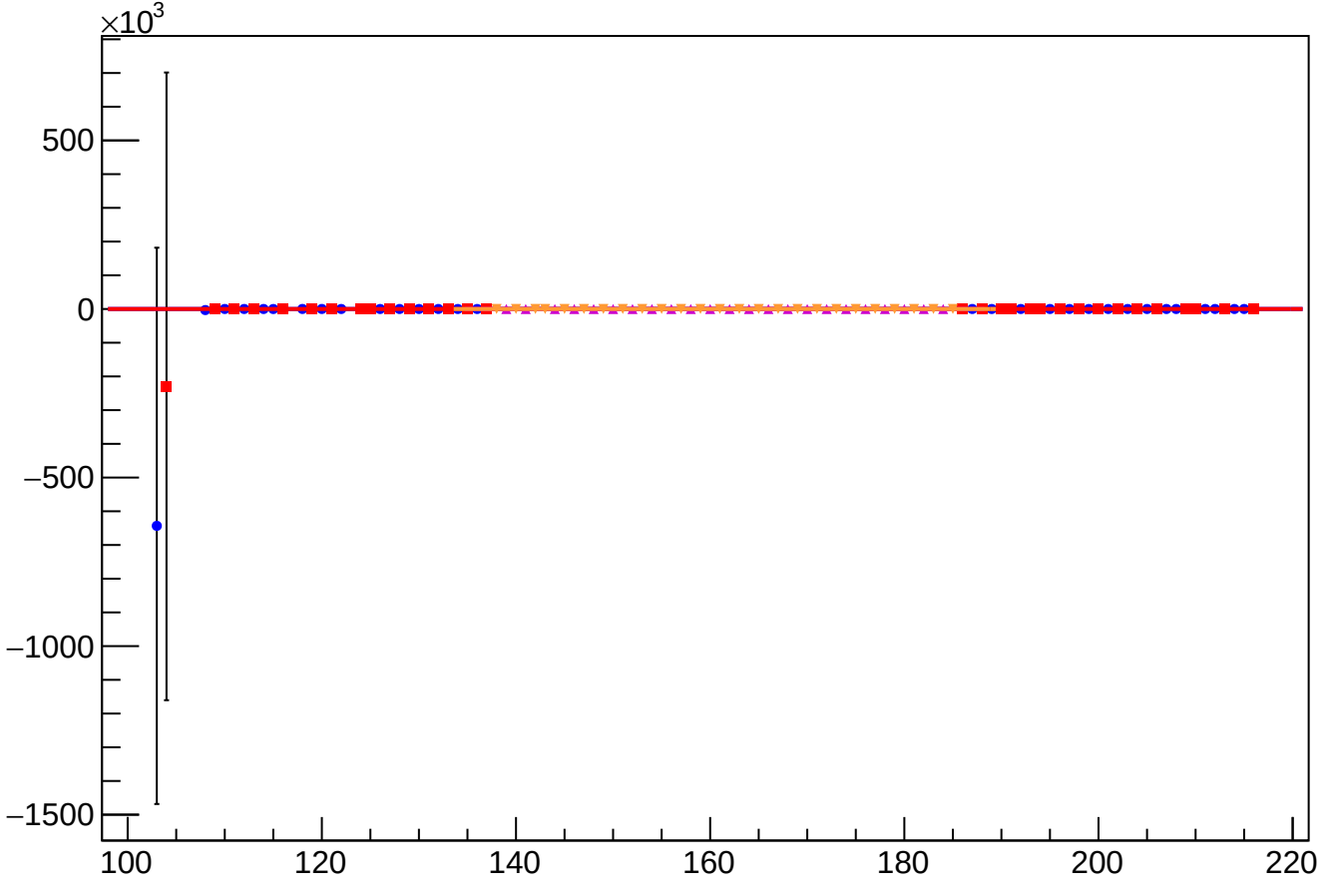
Right: 1693.220+/-0.219 χ^2/NDF: 9517132.7/57

In: 2021.959+/-0.266 χ^2/NDF:13320725.6/50

Out: 2139.581+/-0.277 χ^2/NDF:12874449.4/54

All: 2078.433+/-0.192 χ^2/NDF: 26288714.3/1

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: 2.819+/-0.555 χ^2/NDF: 55.2/30

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

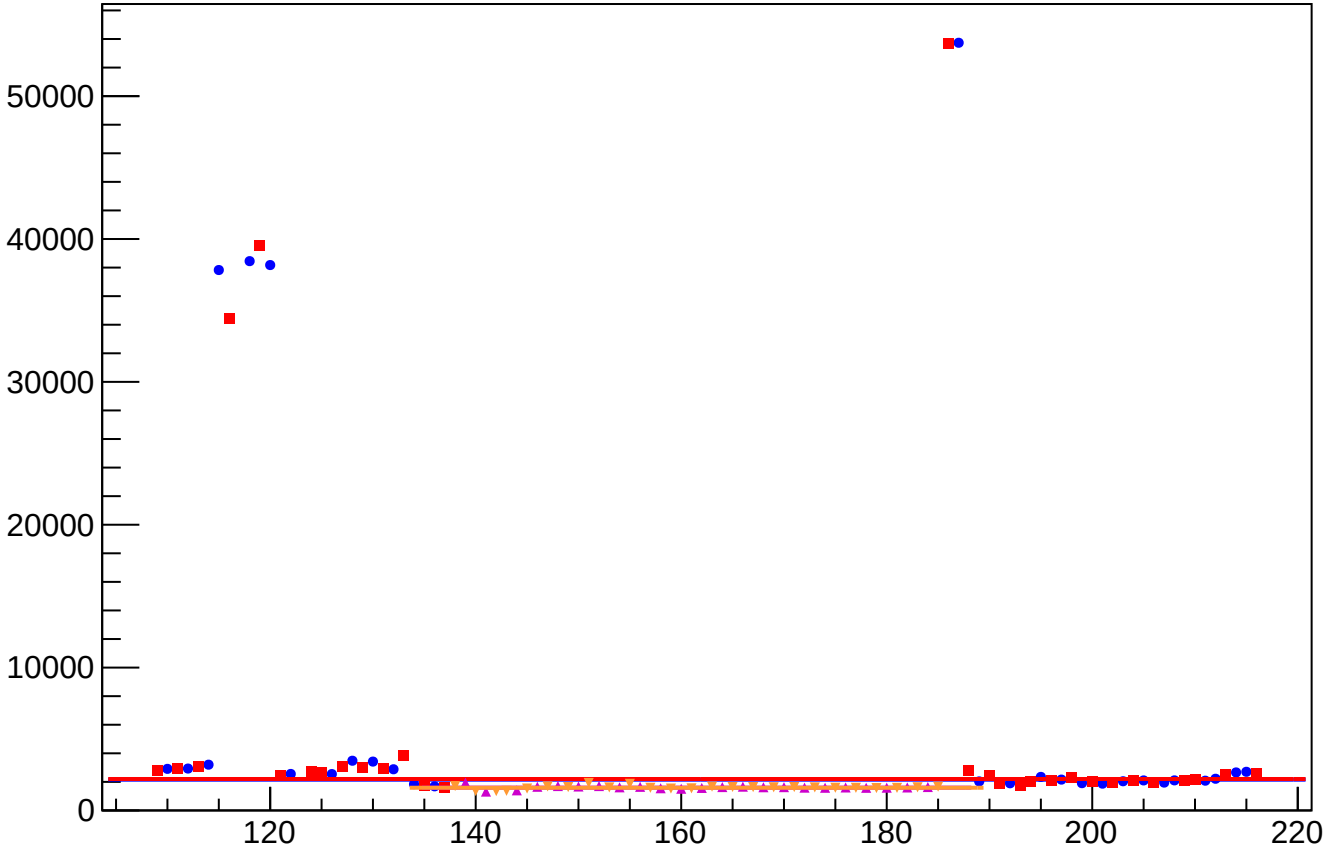
Right: 0.323+/-0.388 χ^2/NDF: 135.1/60

In: -0.677+/-0.308 χ^2/NDF:77.3/52

Out: -0.258+/-0.304 χ^2/NDF:149.3/55

All: -0.464+/-0.216 χ^2/NDF: 227.6/108

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: 2202.298+/-0.393 χ^2/NDF: 3317538.1/29

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

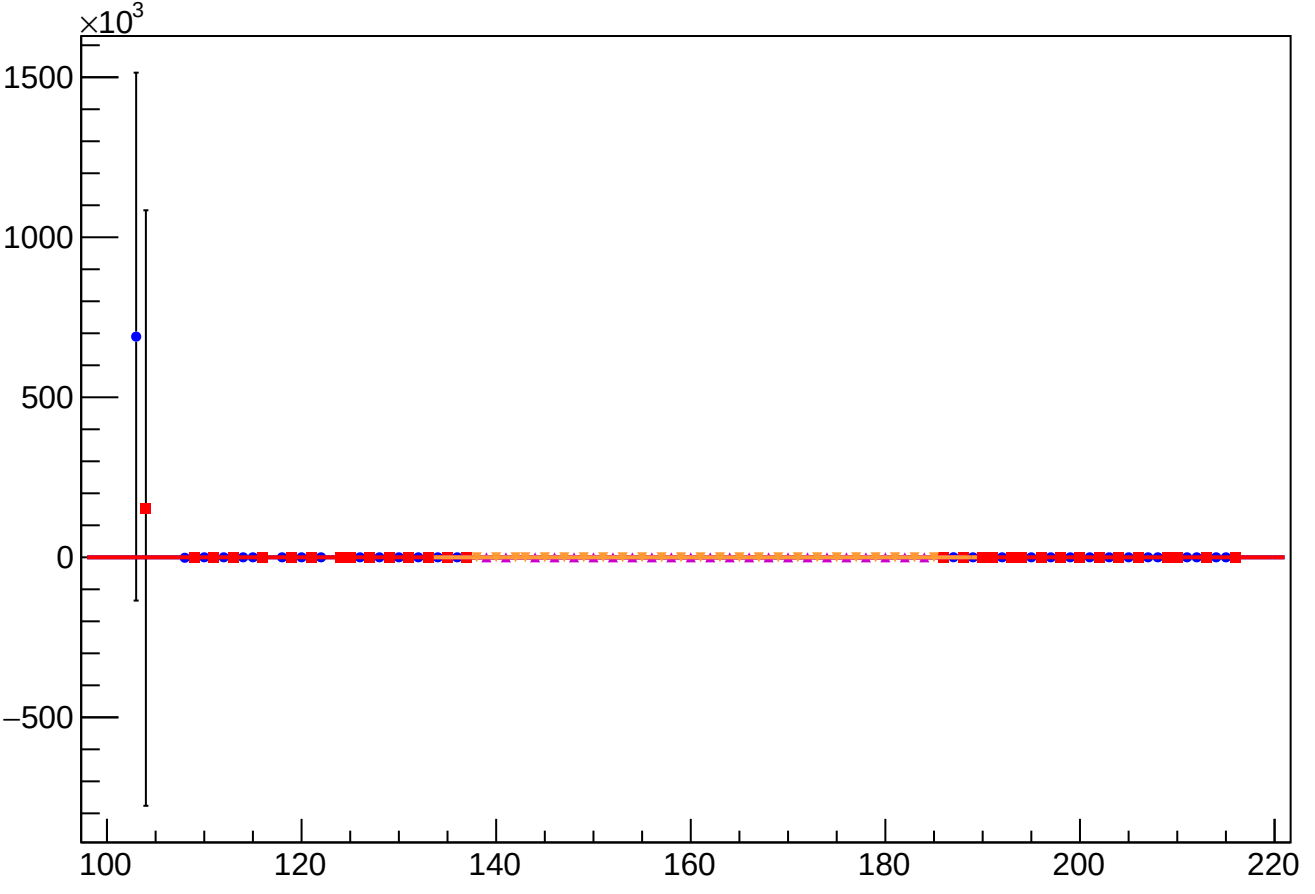
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2178.631+/-0.274 χ^2/NDF: 6464654.6/57

In: 1776.884+/-0.218 χ^2/NDF:4779978.5/50

Out: 1772.910+/-0.215 χ^2/NDF:5257021.4/54

All: 1774.869+/-0.153 χ^2/NDF: 10037168.6/1



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: 1.138+/-0.379 χ^2/NDF: 50.9/30

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

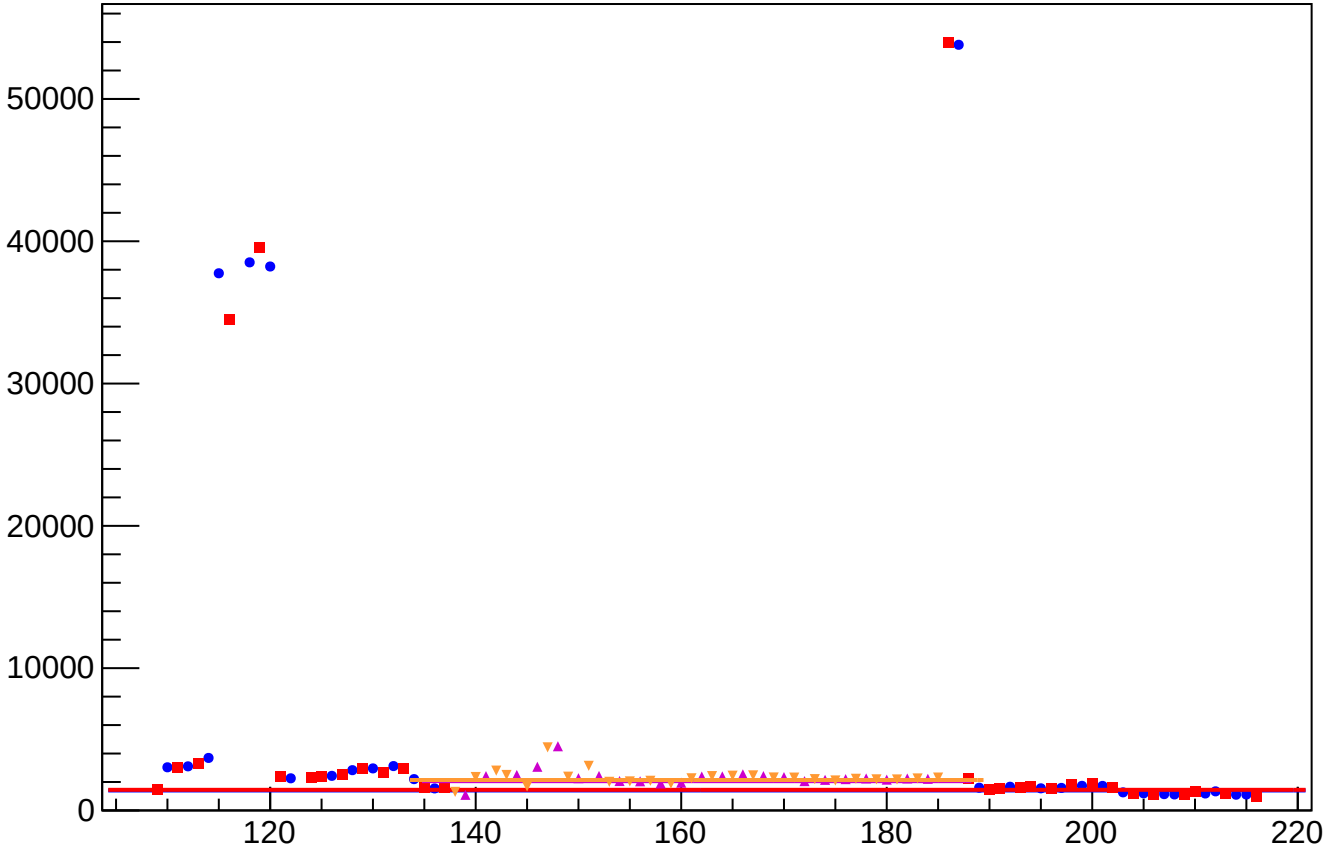
Right: 0.407+/-0.262 χ^2/NDF: 86.8/60

In: -0.215+/-0.294 χ^2/NDF:45.7/52

Out: 0.297+/-0.303 χ^2/NDF:88.9/55

All: 0.034+/-0.211 χ^2/NDF: 136.0/108

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: 1449.592+/-0.268 χ^2/NDF: 5049344.8/29

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

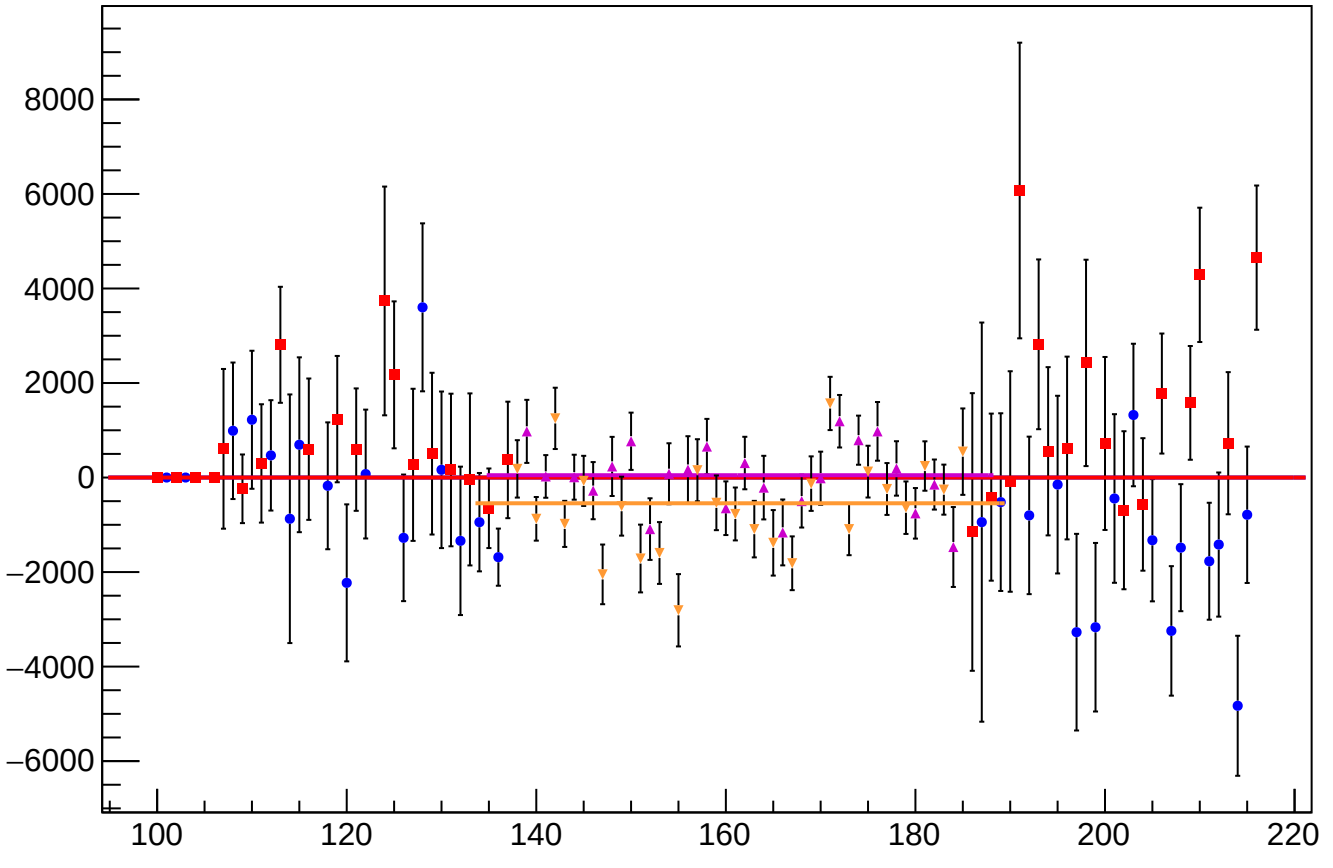
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1425.989+/-0.185 χ^2/NDF: 9892350.0/57

In: 1629.232+/-0.208 χ^2/NDF:9354520.4/50

Out: 1699.810+/-0.214 χ^2/NDF:8930075.3/54

All: 1663.491+/-0.149 χ^2/NDF: 18340562.1/1



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: 46.1/34

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

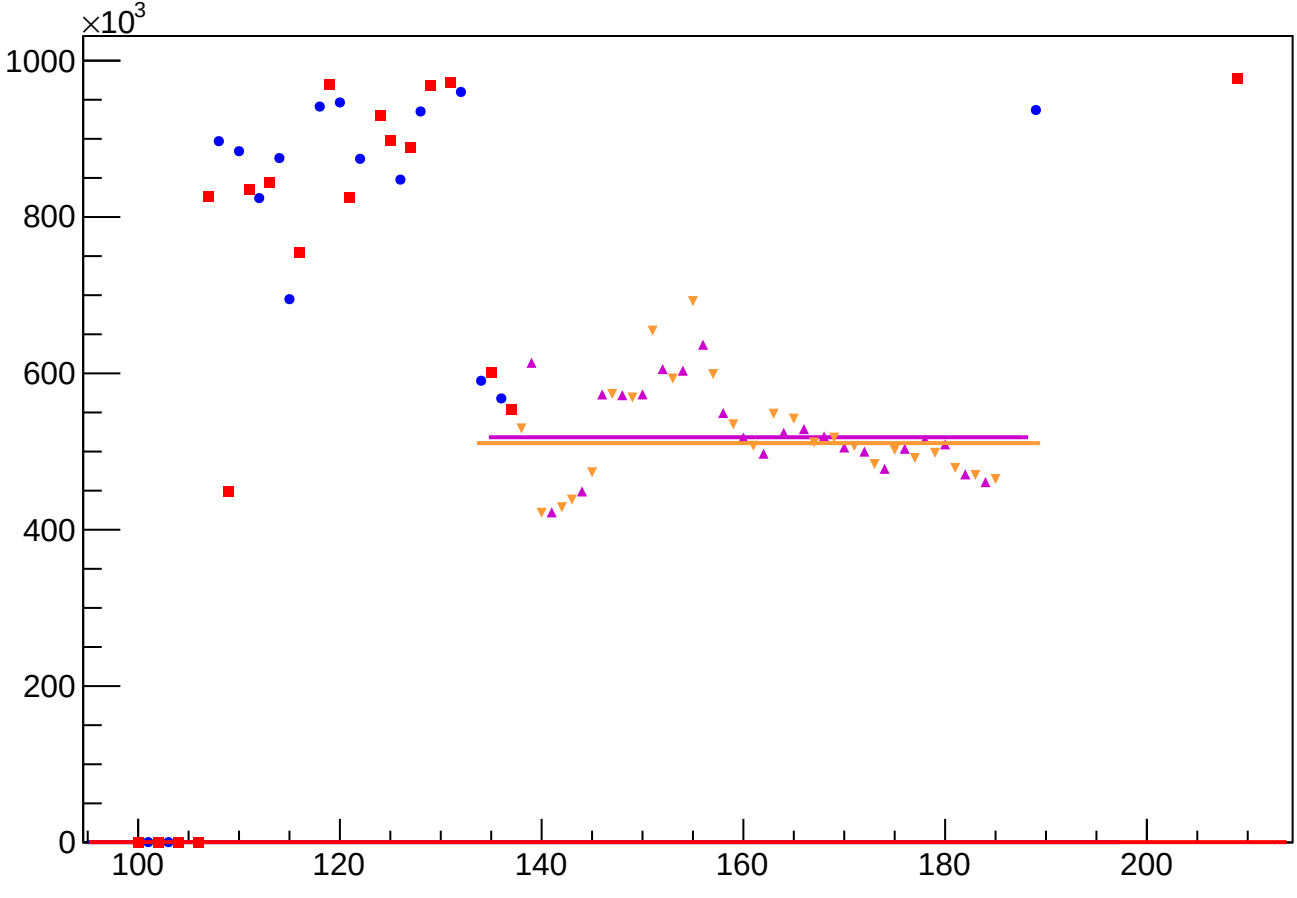
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 92.9/65

In: 0.255+/-0.356 χ^2/NDF:74.4/53

Out: -0.099+/-0.328 χ^2/NDF:128.6/59

All: 0.063+/-0.241 χ^2/NDF: 203.5/113



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

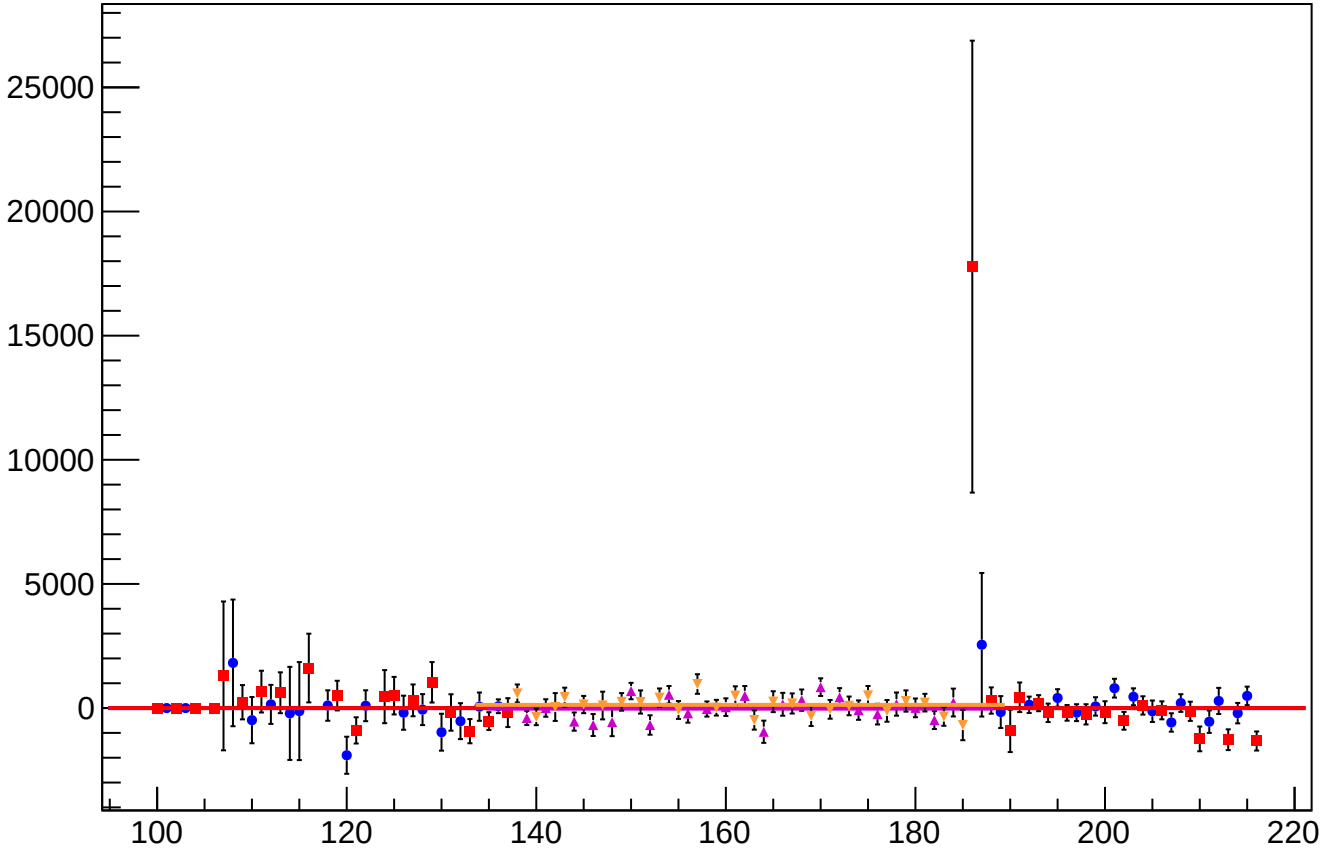
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

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: -0.602+/-0.324 χ^2/NDF: 52.0/34

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

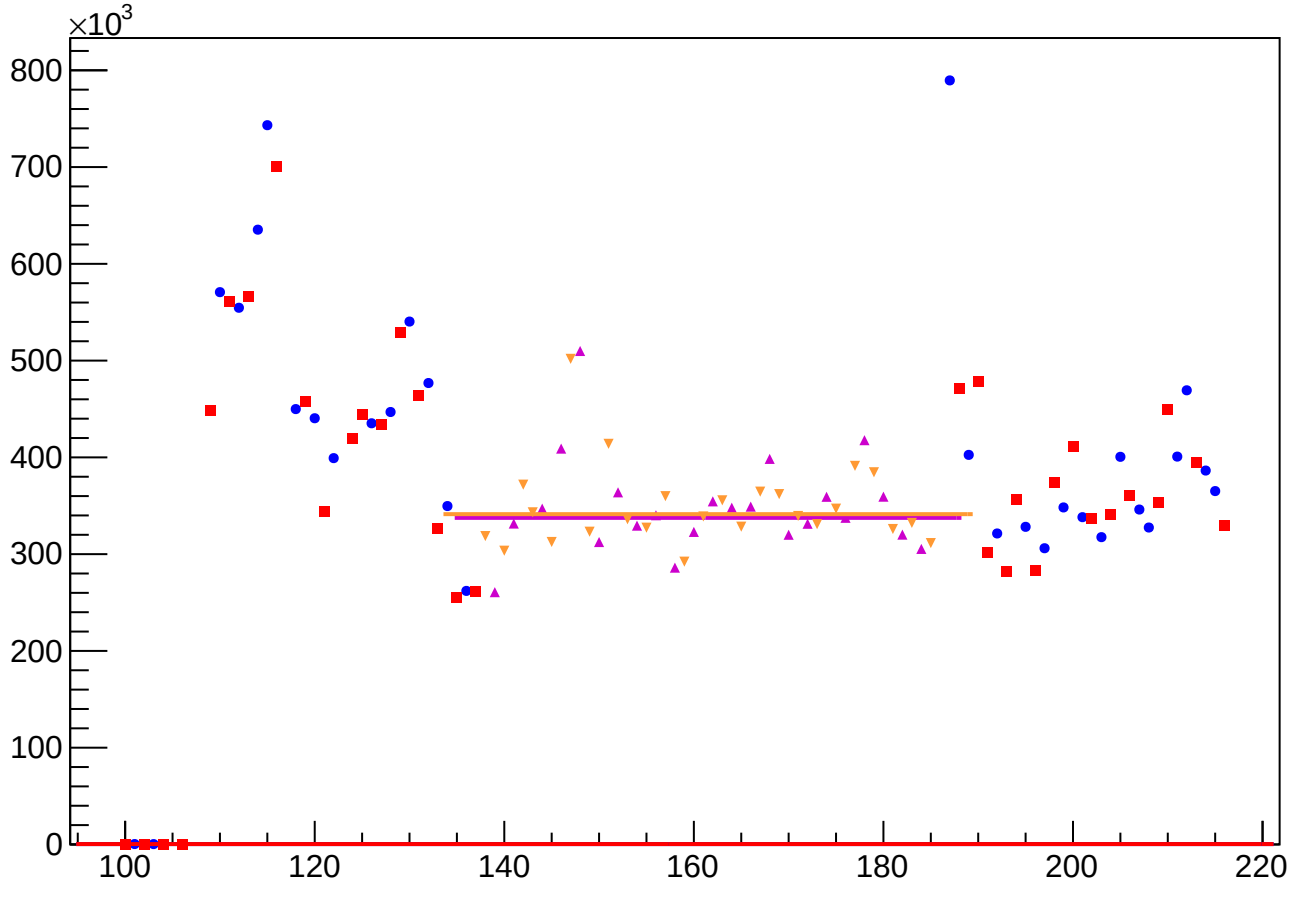
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.331+/-0.237 χ^2/NDF: 79.5/65

In: -0.020+/-0.347 χ^2/NDF:59.7/53

Out: -0.600+/-0.324 χ^2/NDF:74.9/59

All: -0.330+/-0.237 χ^2/NDF: 136.1/113



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: 391.352+/-0.229 χ^2/NDF: 34093960.4/32

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

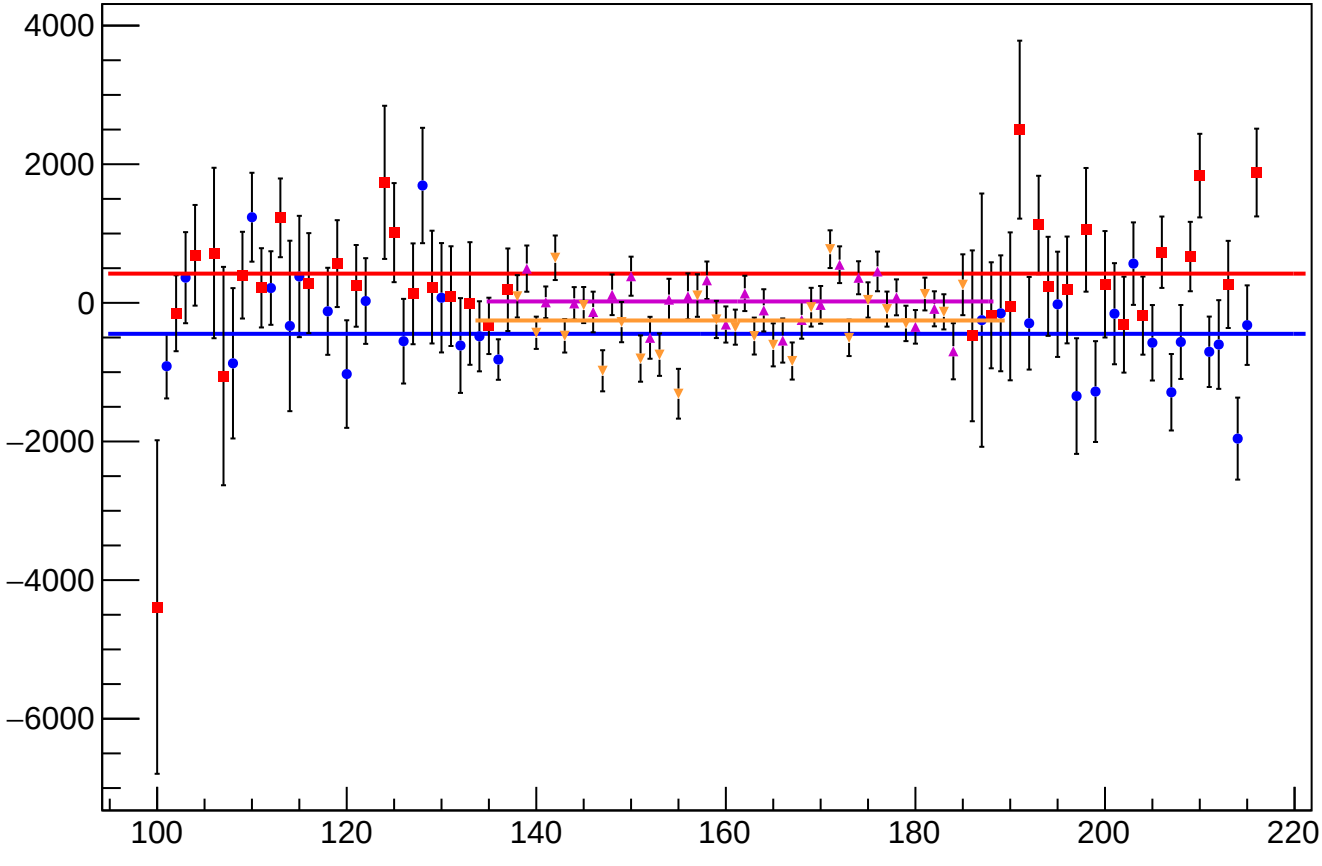
Right: 392.678+/-0.167 χ^2/NDF: 68302263.7/62

In: 400.585+/-0.245 χ^2/NDF:70526019.8/52

Out: 397.190+/-0.229 χ^2/NDF:72464728.2/57

All: 398.769+/-0.167 χ^2/NDF: 142990850.3/1

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -446.801+/-110.319 χ^2/NDF: 37.5/30

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 421.667+/-116.258 χ^2/NDF: 34.2/34

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

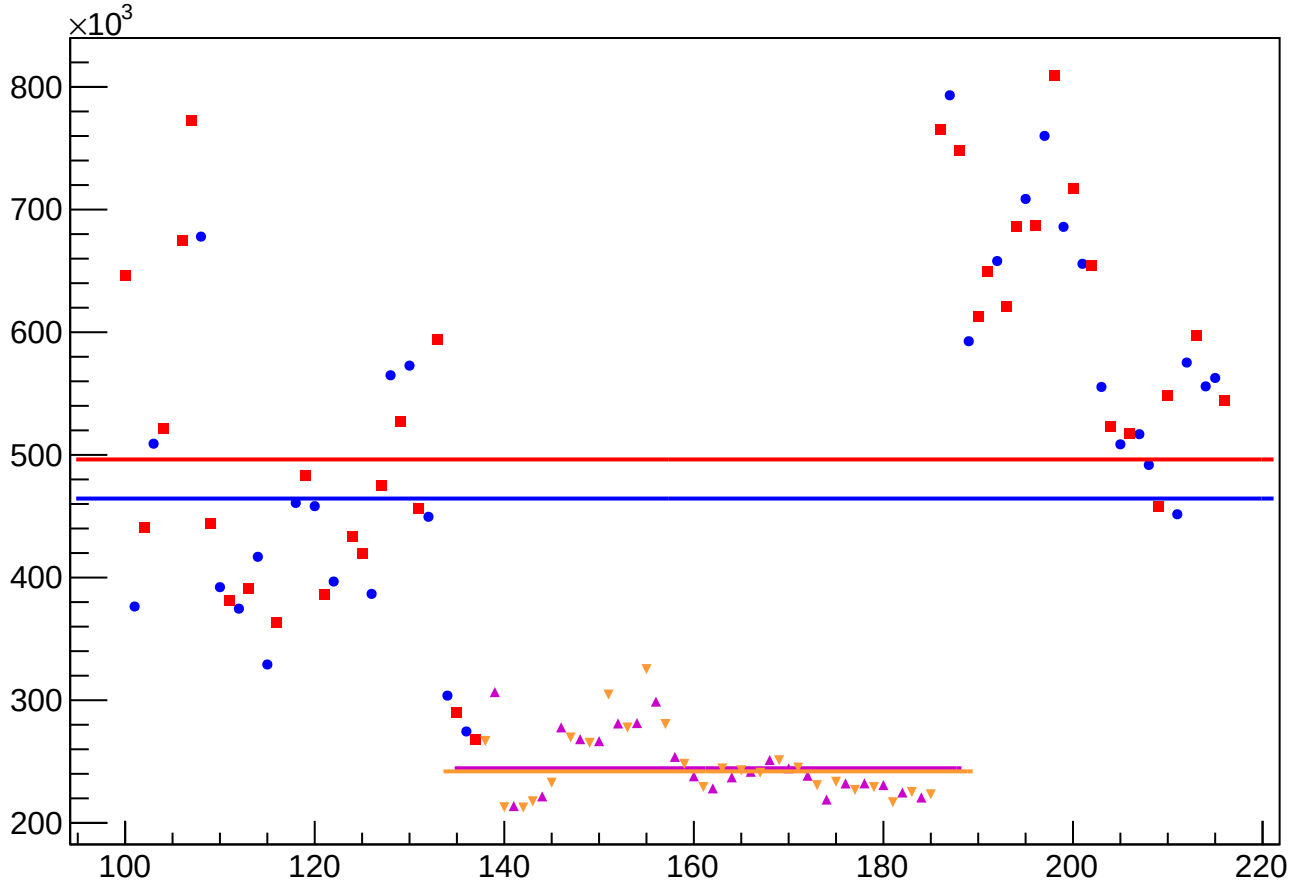
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -35.313+/-80.025 χ^2/NDF: 101.1/65

In: -79.540+/-50.978 χ^2/NDF:80.2/53

Out: -129.202+/-50.025 χ^2/NDF:123.1/59

All: -104.840+/-35.705 χ^2/NDF: 203.8/113



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: 496295.448+/-82.288 χ^2/NDF: 2594436.2/34

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

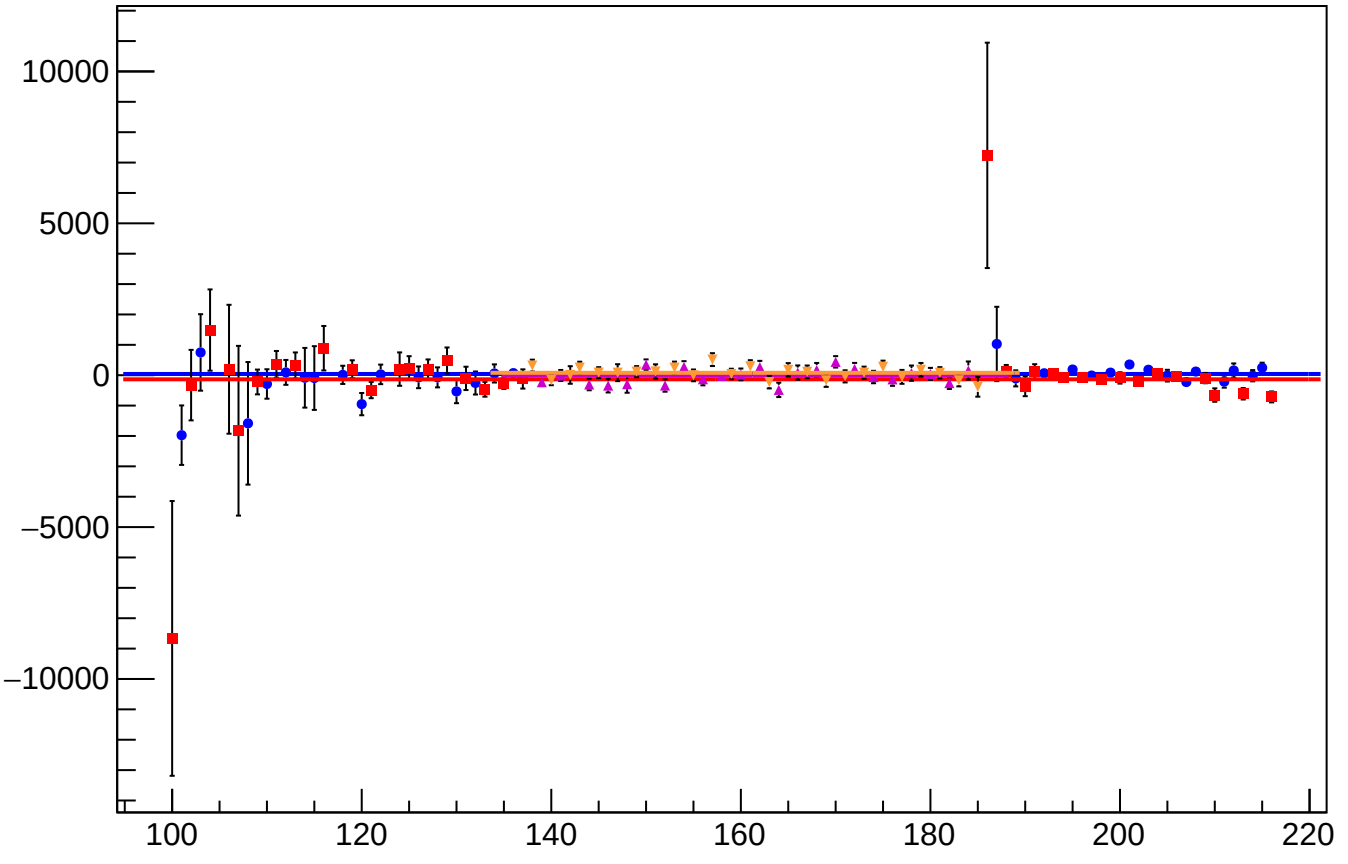
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 479509.897+/-56.617 χ^2/NDF: 5446585.5/65

In: 291482.523+/-36.048 χ^2/NDF:9381510.1/53

Out: 289014.805+/-35.379 χ^2/NDF:10791871.6/59

All: 290225.552+/-25.250 χ^2/NDF: 2017576



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: -135.199+/-39.371 χ^2/NDF: 52.7/34

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

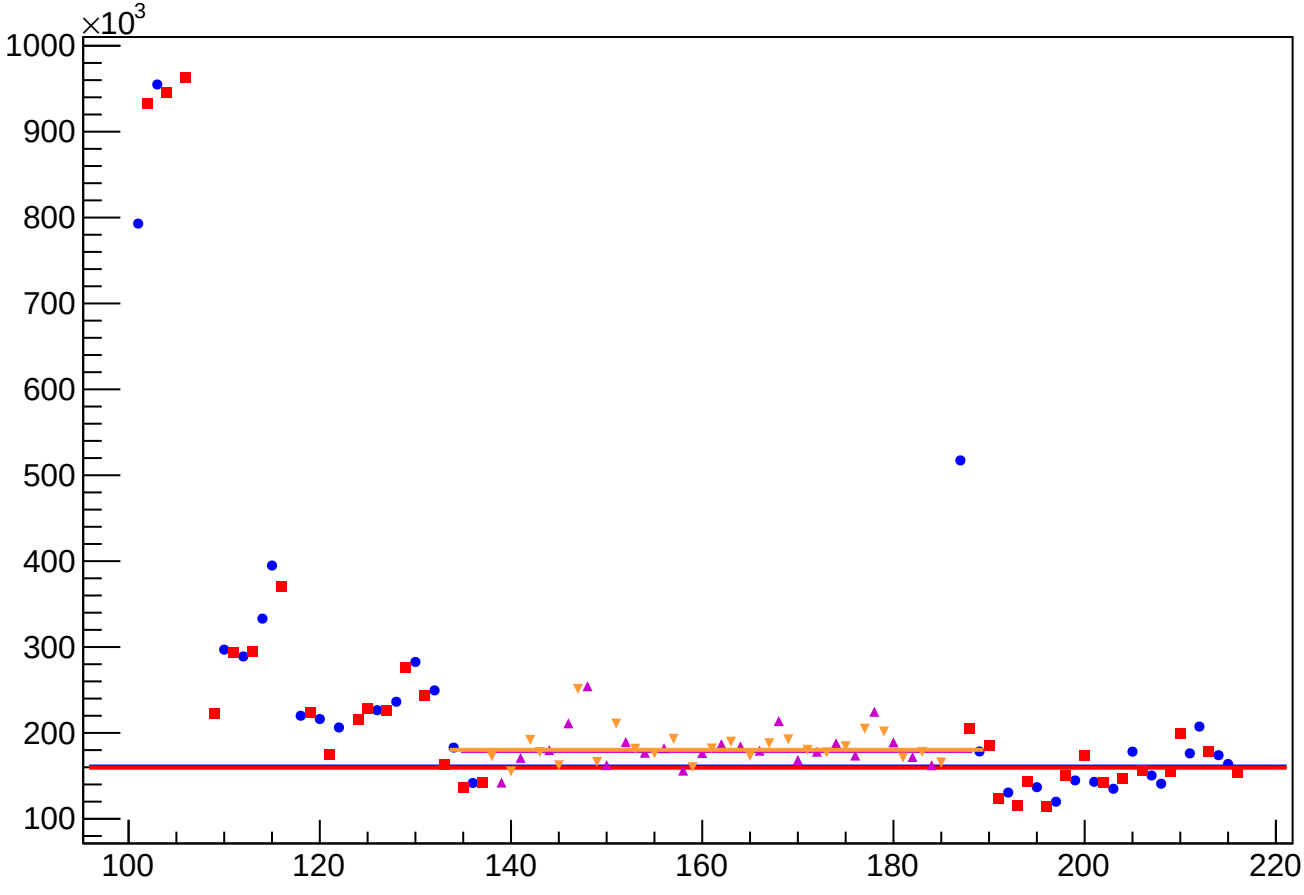
Right: -47.029+/-27.821 χ^2/NDF: 92.3/65

In: 15.396+/-28.777 χ^2/NDF:63.6/53

Out: -32.984+/-28.497 χ^2/NDF:86.6/59

All: -9.031+/-20.249 χ^2/NDF: 151.6/113

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: 159539.568+/-27.855 χ^2/NDF: 3361641.9/31

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

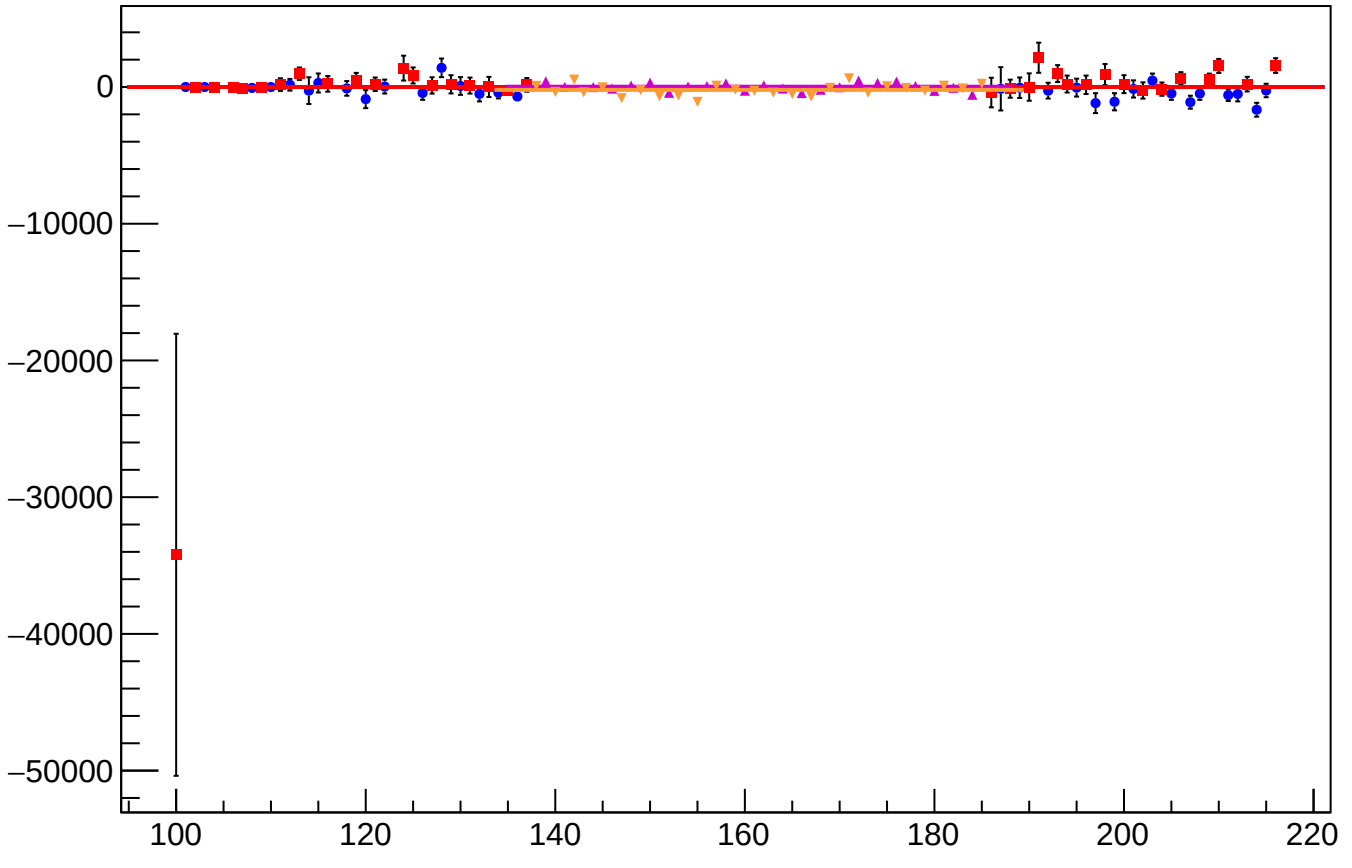
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 160211.602+/-19.681 χ^2/NDF: 6733209.2/61

In: 169308.171+/-20.352 χ^2/NDF:4069462.1/52

Out: 169449.681+/-20.157 χ^2/NDF:3973945.8/56

All: 169379.611+/-14.322 χ^2/NDF: 8043432.



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: 46.5/34

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

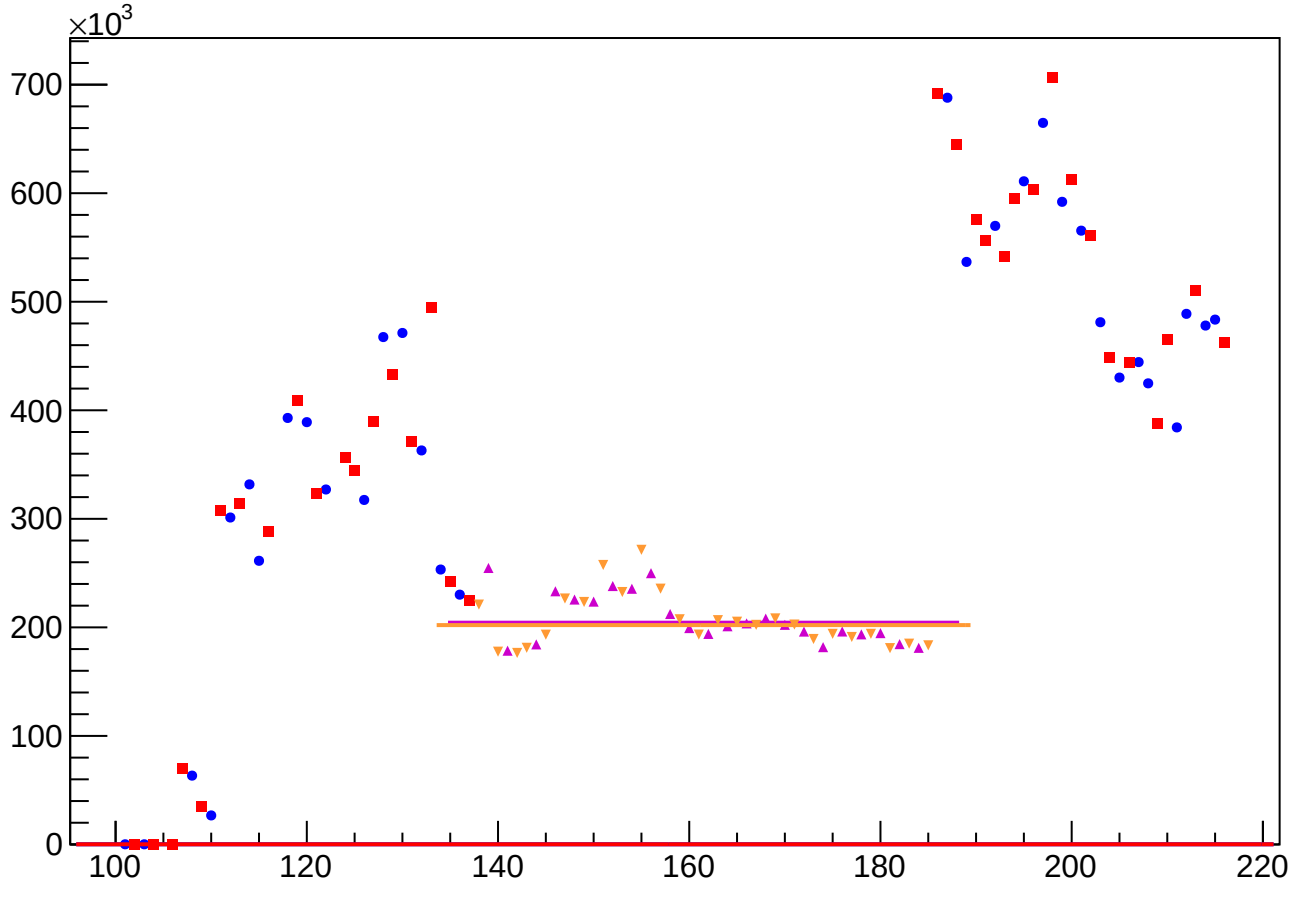
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 95.4/65

In: -0.036+/-0.172 χ^2/NDF:74.9/53

Out: 0.353+/-0.160 χ^2/NDF:128.4/59

All: 0.173+/-0.117 χ^2/NDF: 206.0/113



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: 149.971+/-0.113 χ^2/NDF: 35726473.3/33

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

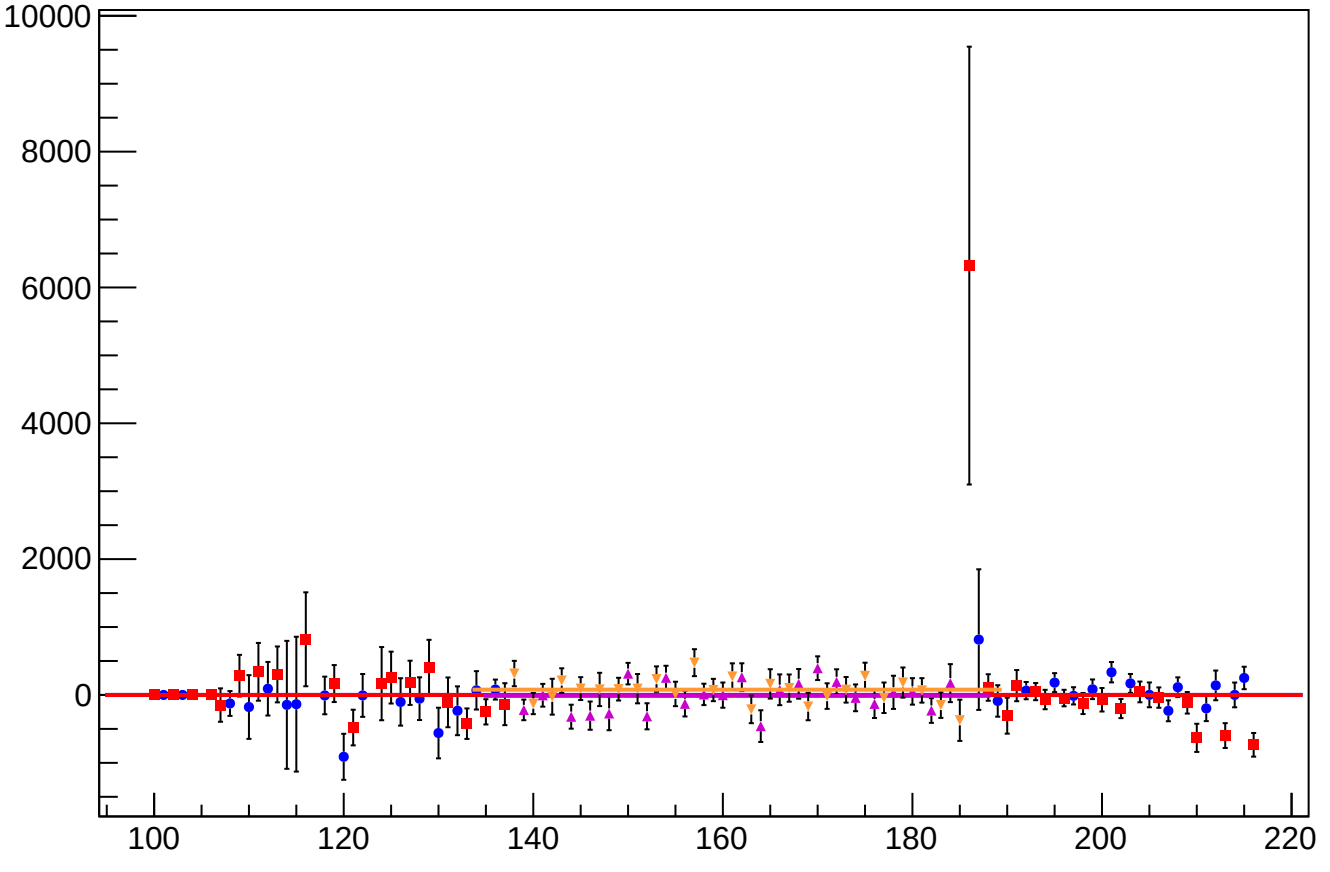
Right: 149.892+/-0.083 χ^2/NDF: 70988974.9/64

In: 152.426+/-0.122 χ^2/NDF:71765069.5/53

Out: 152.387+/-0.113 χ^2/NDF:74222087.3/58

All: 152.406+/-0.083 χ^2/NDF: 145987156.8/

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: 62.9/34

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

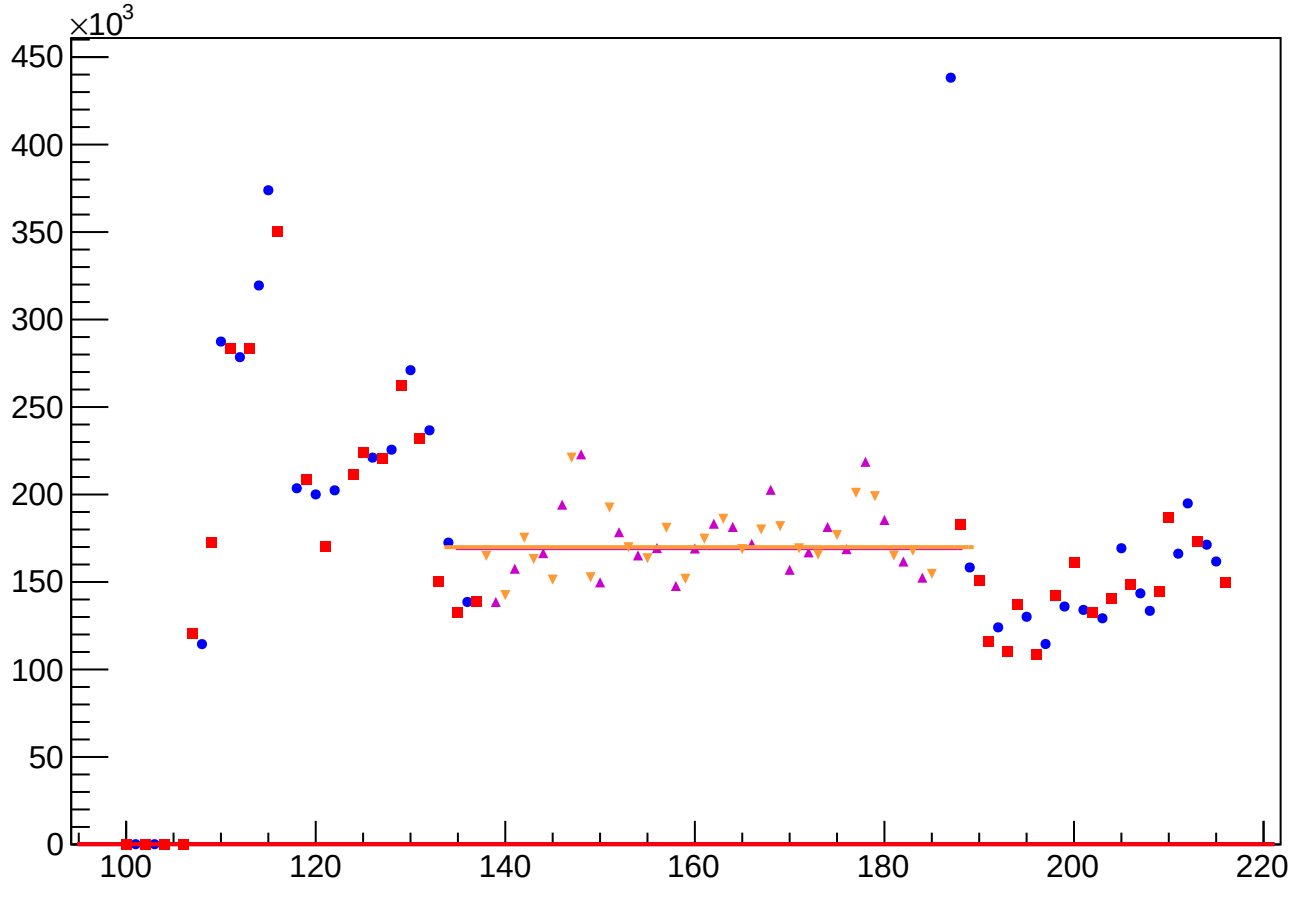
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 90.4/65

In: -0.067+/-0.177 χ^2/NDF:60.2/53

Out: -0.127+/-0.166 χ^2/NDF:86.0/59

All: -0.099+/-0.121 χ^2/NDF: 146.3/113



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: 158.401+/-0.118 χ^2/NDF: 34586446.1/33

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

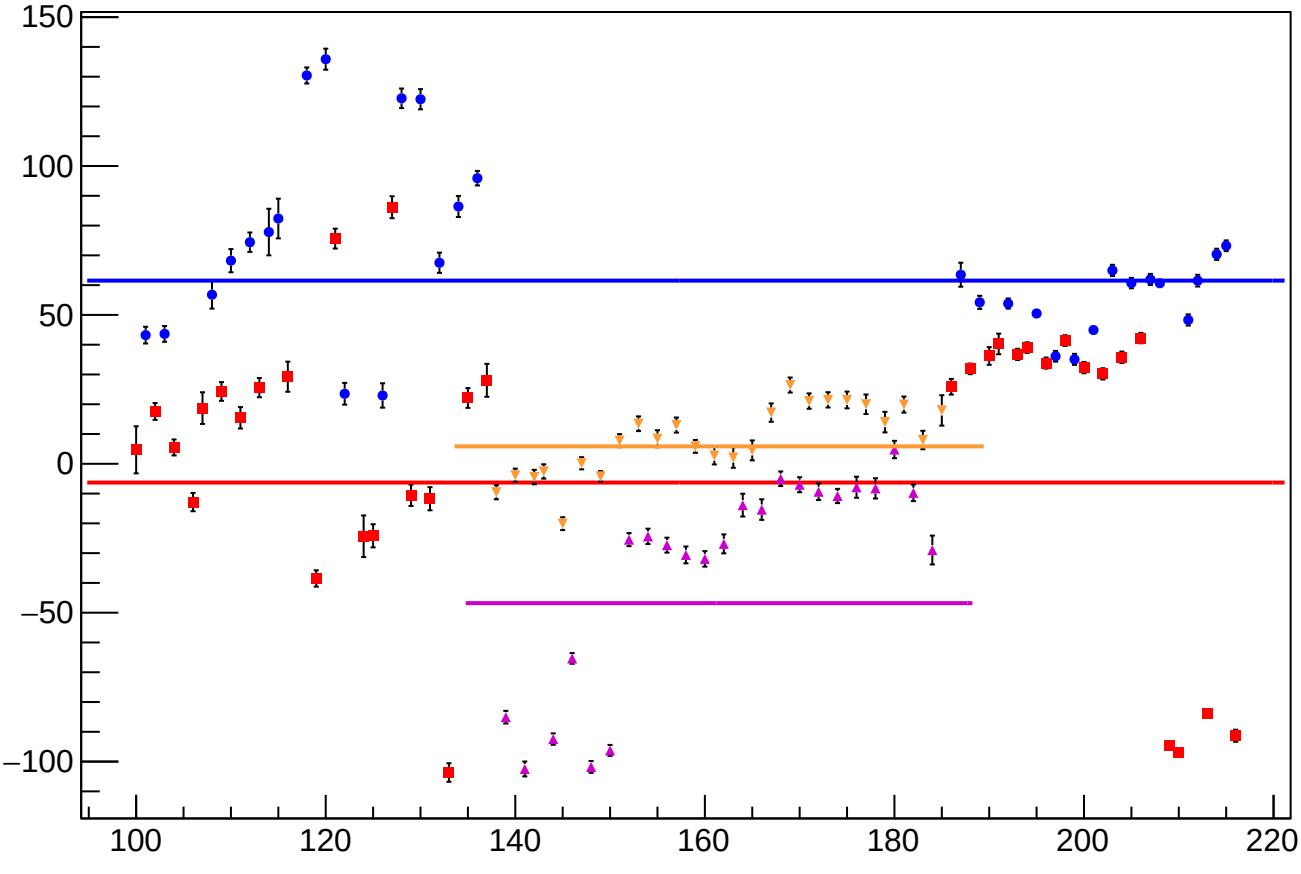
Right: 157.280+/-0.086 χ^2/NDF: 70069196.6/64

In: 159.342+/-0.125 χ^2/NDF:71867551.0/53

Out: 161.507+/-0.118 χ^2/NDF:72996452.8/58

All: 160.492+/-0.086 χ^2/NDF: 144864162.3/1

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: -6.299+/-0.404 χ^2/NDF: 20491.1/34

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

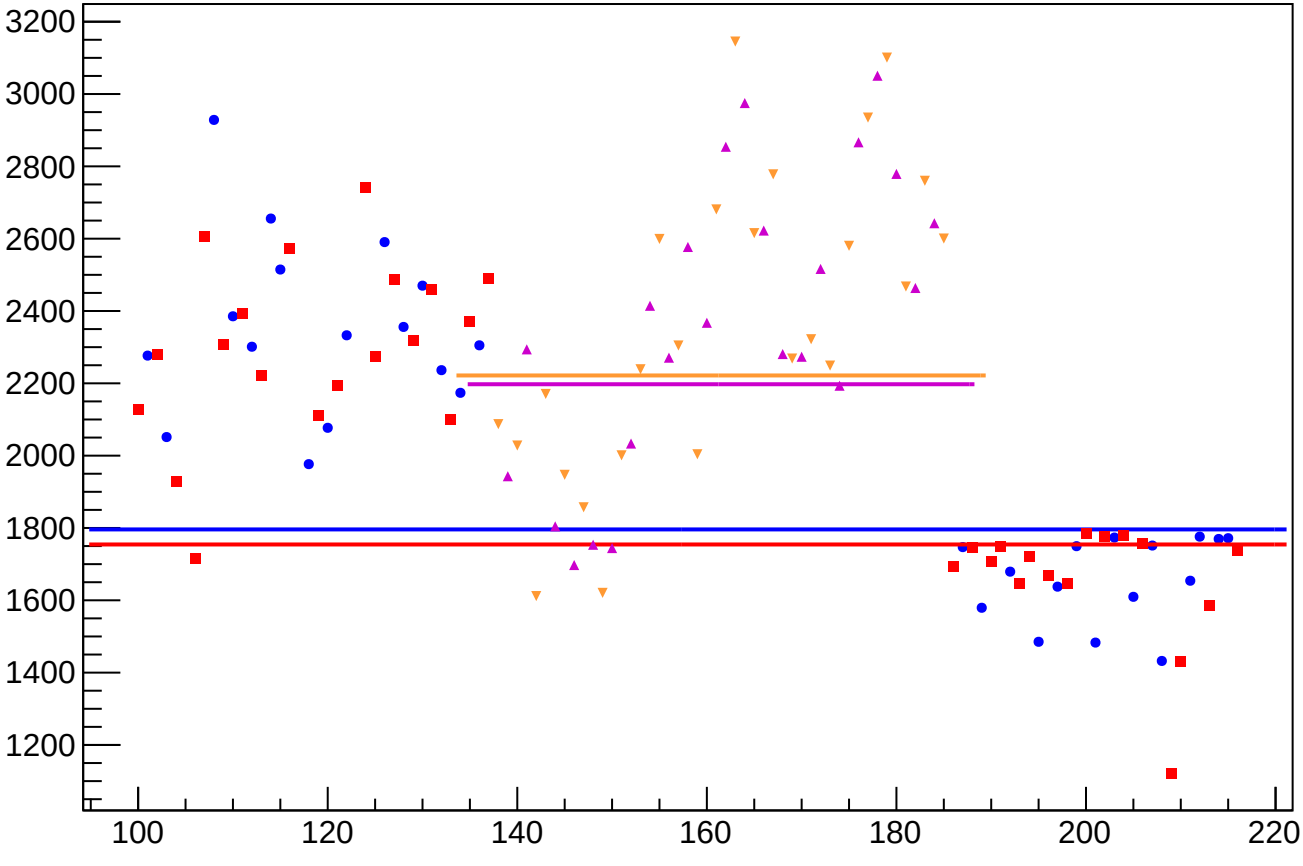
Right: 26.492+/-0.290 χ^2/NDF: 37173.9/65

In: 19.554+/-0.326 χ^2/NDF:34330.7/53

Out: -1.665+/-0.317 χ^2/NDF:21372.1/59

All: 8.647+/-0.228 χ^2/NDF: 57874.3/113

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: 1754.377+/-0.285 χ^2/NDF: 1477476.2/34

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

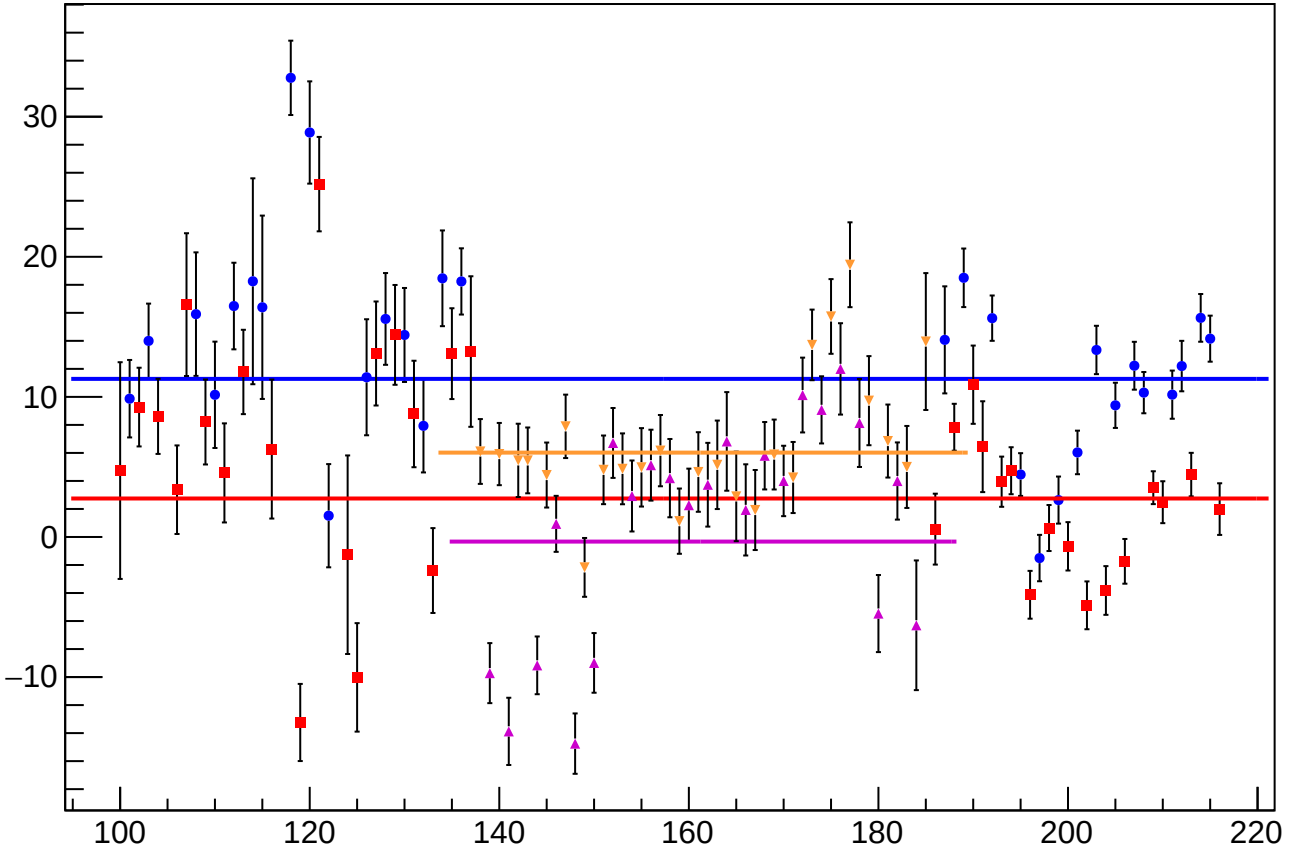
Right: 1774.505+/-0.205 χ^2/NDF: 2574816.5/65

In: 1951.540+/-0.231 χ^2/NDF:2909567.1/53

Out: 1932.646+/-0.224 χ^2/NDF:3684584.1/59

All: 1941.828+/-0.161 χ^2/NDF: 6597594.7/11

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 11.286+/-0.391 χ^2/NDF: 270.4/30

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 2.747+/-0.380 χ^2/NDF: 245.2/34

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

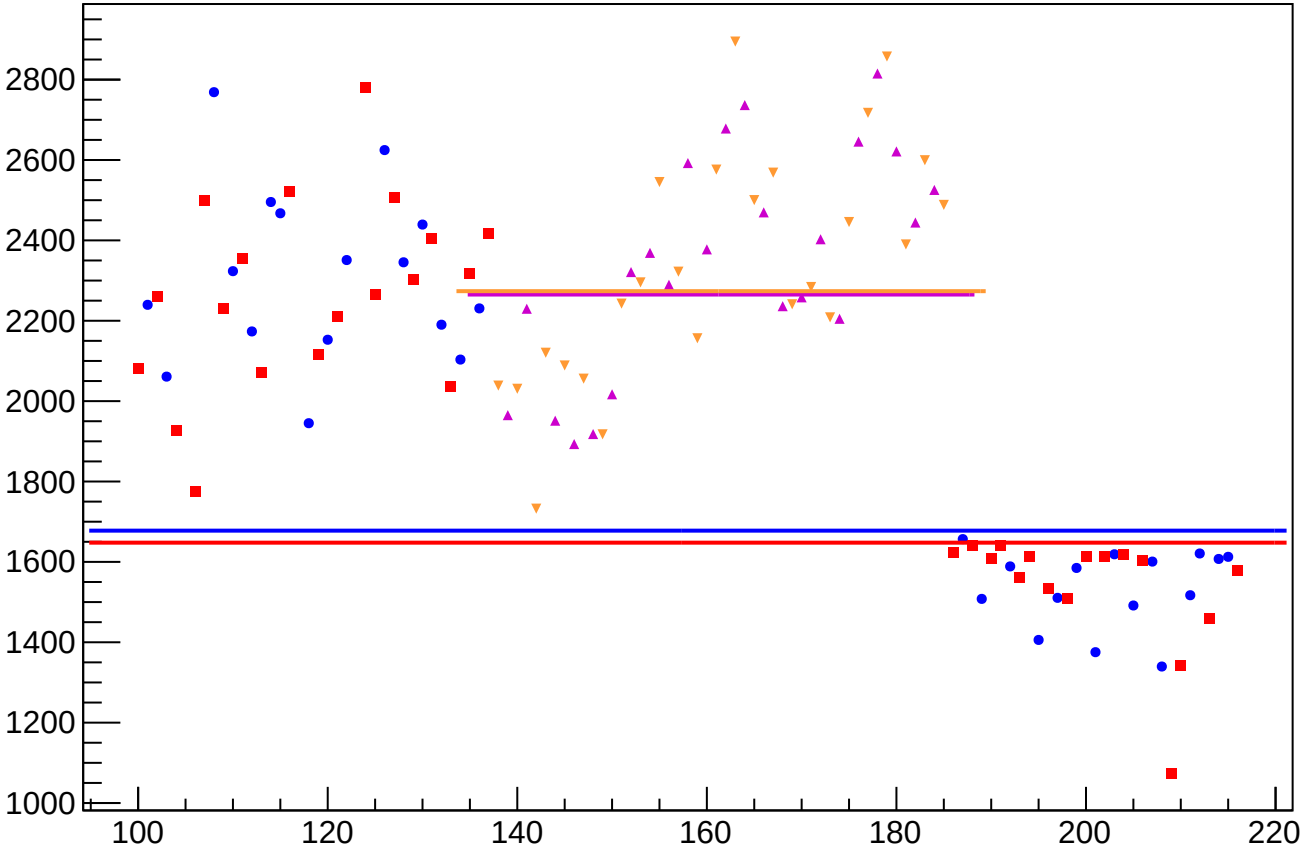
Right: 6.897+/-0.272 χ^2/NDF: 761.2/65

In: 7.243+/-0.315 χ^2/NDF:803.1/53

Out: 3.884+/-0.307 χ^2/NDF:342.7/59

All: 5.518+/-0.220 χ^2/NDF: 1204.0/113

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1677.756+/-0.276 χ^2/NDF: 1358884.0/30

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1647.854+/-0.269 χ^2/NDF: 1695373.0/34

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

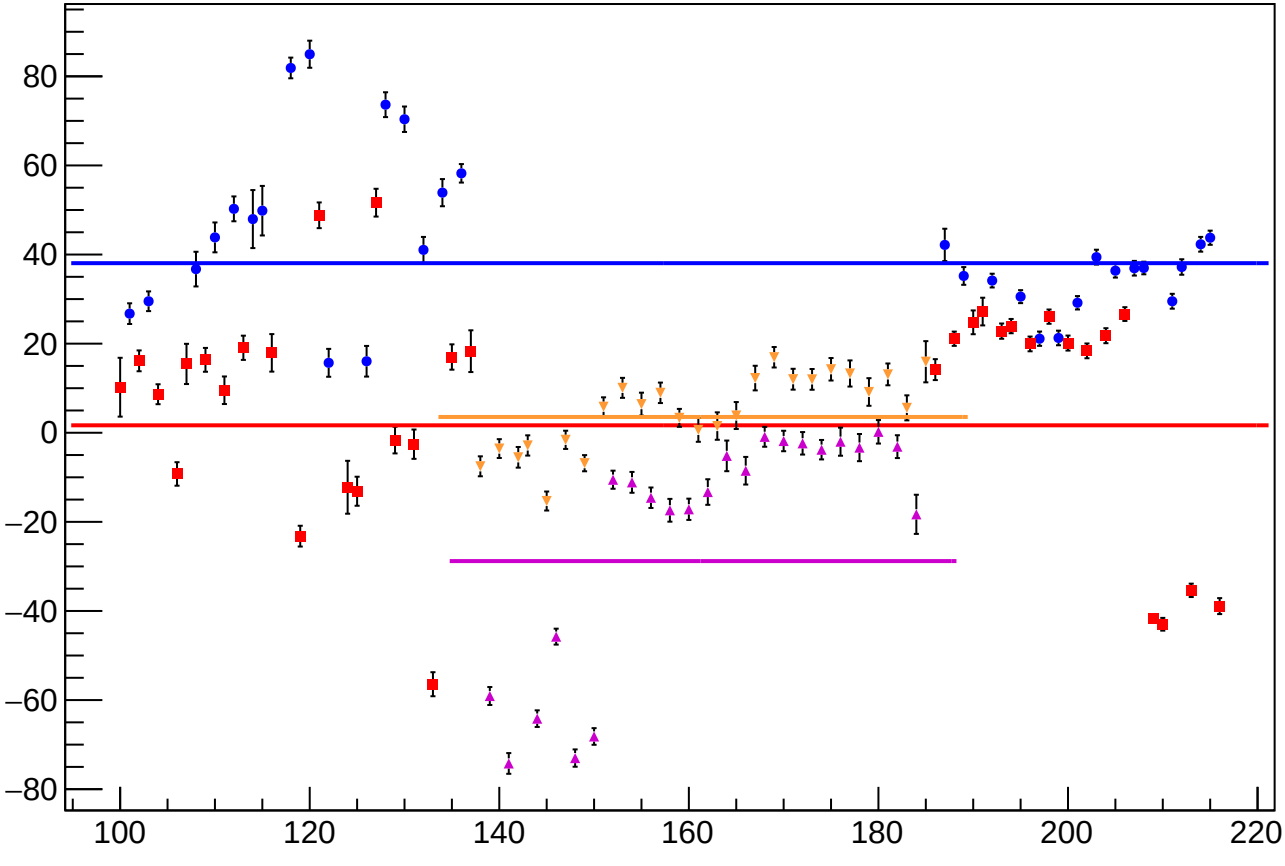
Right: 1662.387+/-0.193 χ^2/NDF: 3060280.1/65

In: 1882.262+/-0.223 χ^2/NDF:3429453.5/53

Out: 1865.142+/-0.217 χ^2/NDF:4116794.7/59

All: 1873.468+/-0.156 χ^2/NDF: 7549275.3/11

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: 1.670+/-0.355 χ^2/NDF: 6589.6/34

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

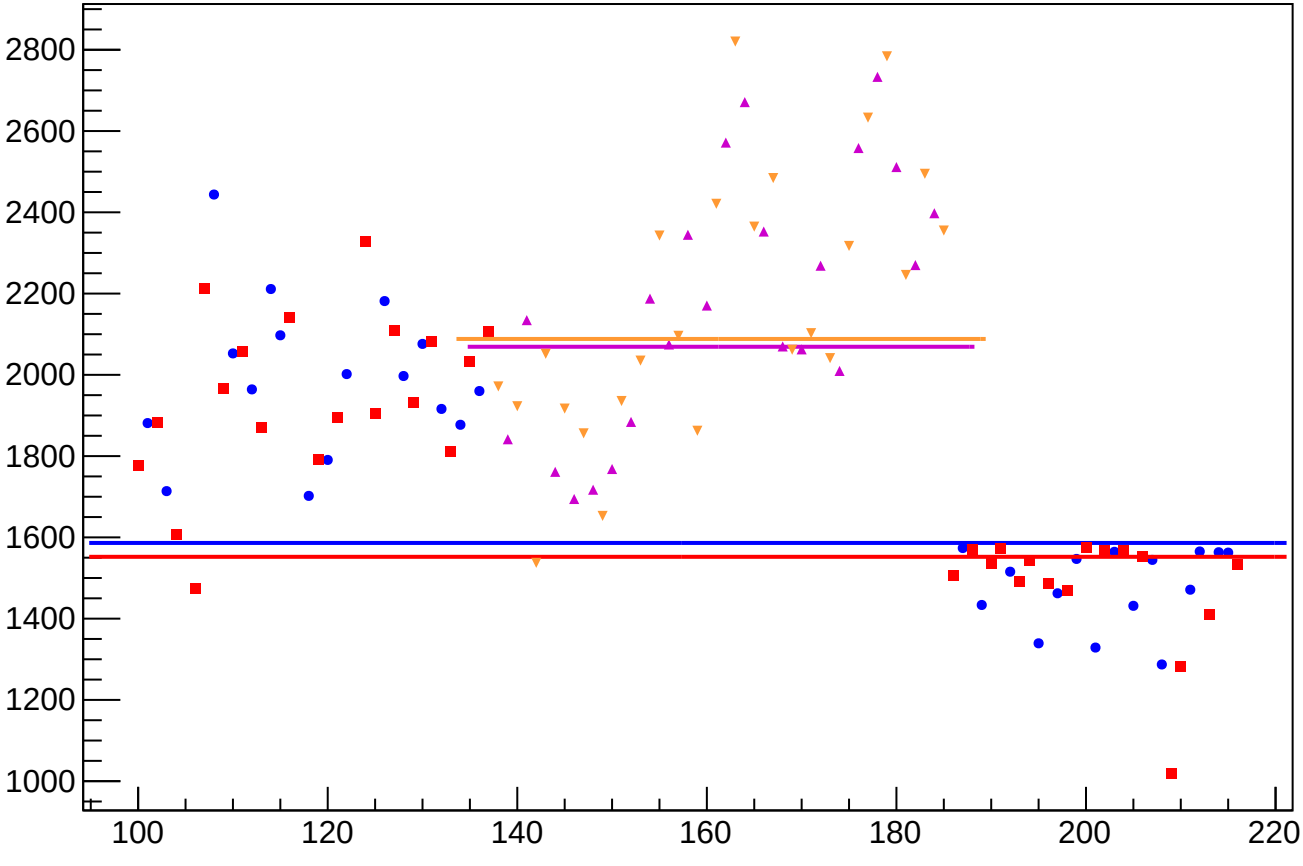
Right: 19.294+/-0.255 χ^2/NDF: 13168.0/65

In: 14.098+/-0.294 χ^2/NDF:16672.2/53

Out: 2.333+/-0.286 χ^2/NDF:6919.2/59

All: 8.051+/-0.205 χ^2/NDF: 24415.3/113

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: 1552.162+/-0.251 χ^2/NDF: 1176224.8/34

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

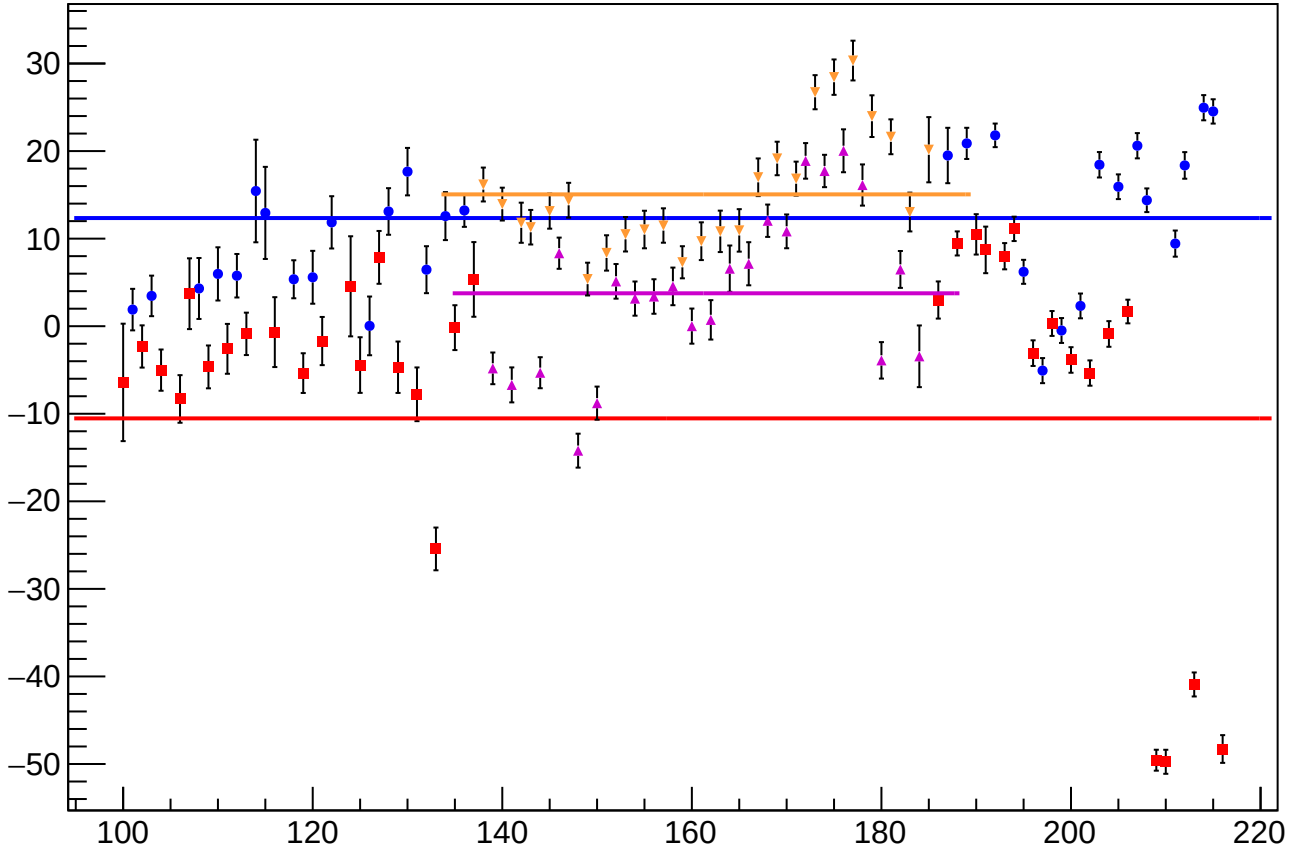
Right: 1568.698+/-0.181 χ^2/NDF: 2018277.5/65

In: 1759.350+/-0.208 χ^2/NDF:2786050.7/53

Out: 1741.948+/-0.202 χ^2/NDF:3574133.6/59

All: 1750.405+/-0.145 χ^2/NDF: 6363789.7/11

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: -10.528+/-0.326 χ^2/NDF: 4169.7/34

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

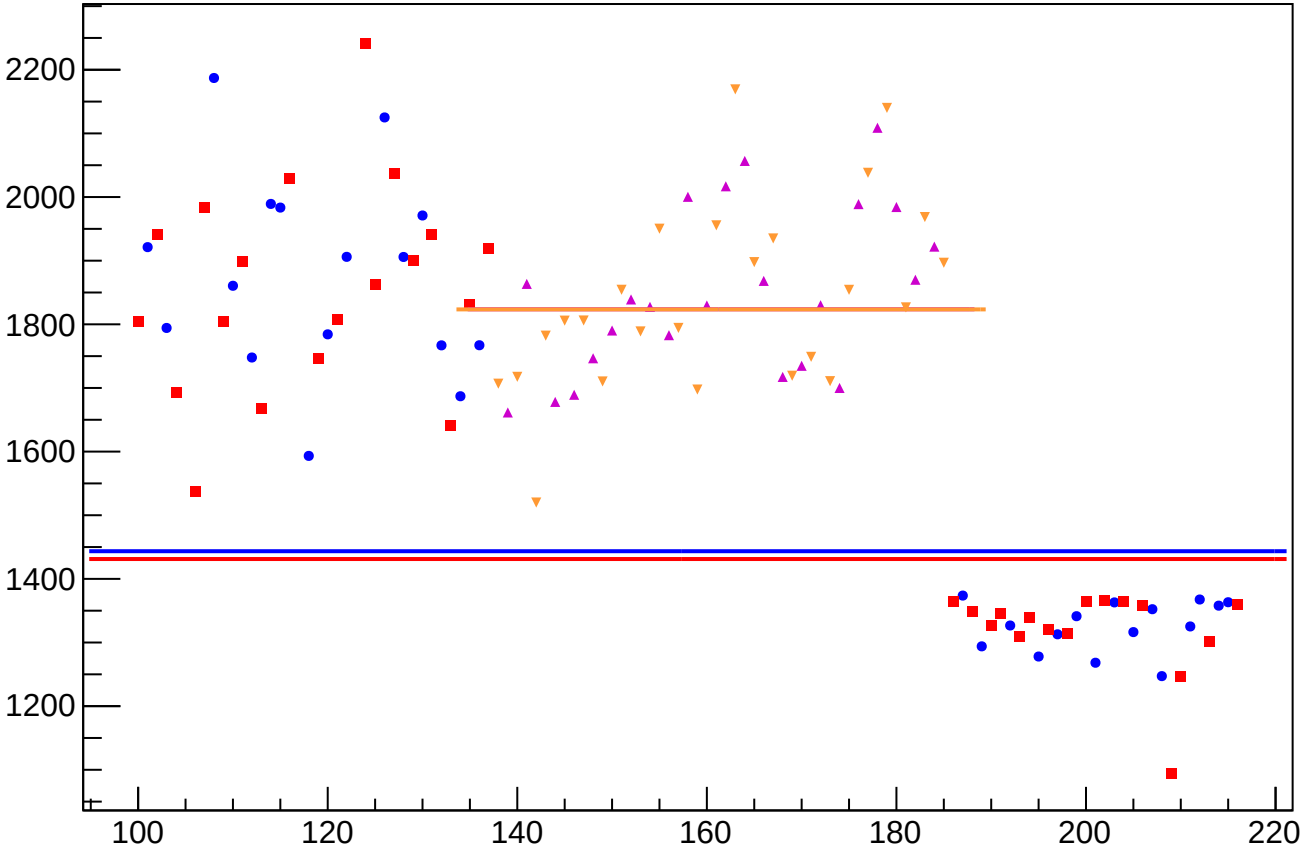
Right: 0.675+/-0.233 χ^2/NDF: 7274.6/65

In: 9.107+/-0.263 χ^2/NDF:1408.8/53

Out: -0.771+/-0.257 χ^2/NDF:6759.3/59

All: 4.051+/-0.184 χ^2/NDF: 8890.8/113

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: 1431.191+/-0.231 χ^2/NDF: 1052544.1/34

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

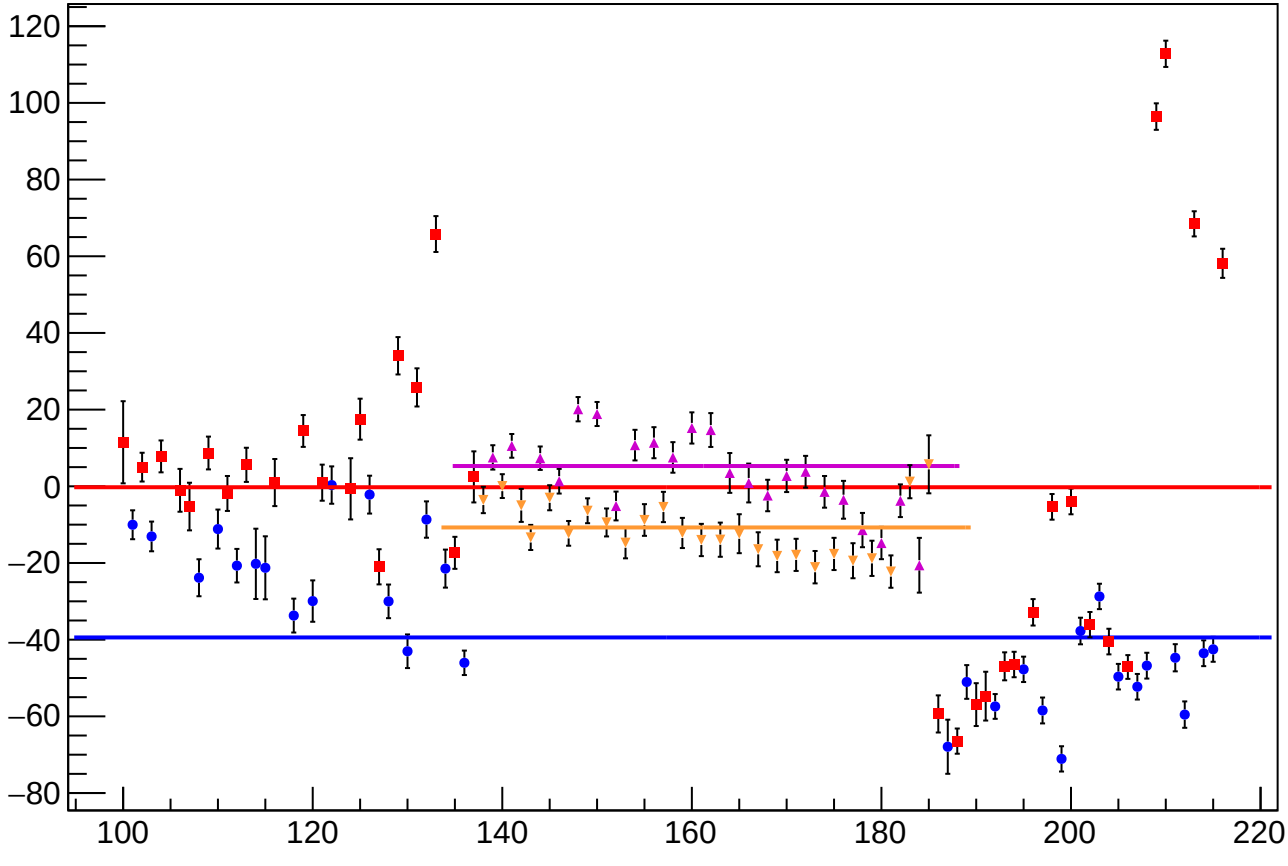
Right: 1437.205+/-0.165 χ^2/NDF: 2005443.8/65

In: 1587.000+/-0.186 χ^2/NDF:2098236.1/53

Out: 1580.790+/-0.182 χ^2/NDF:2365538.8/59

All: 1583.821+/-0.130 χ^2/NDF: 4464346.1/11

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: -0.243+/-0.703 χ^2/NDF: 4571.4/34

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

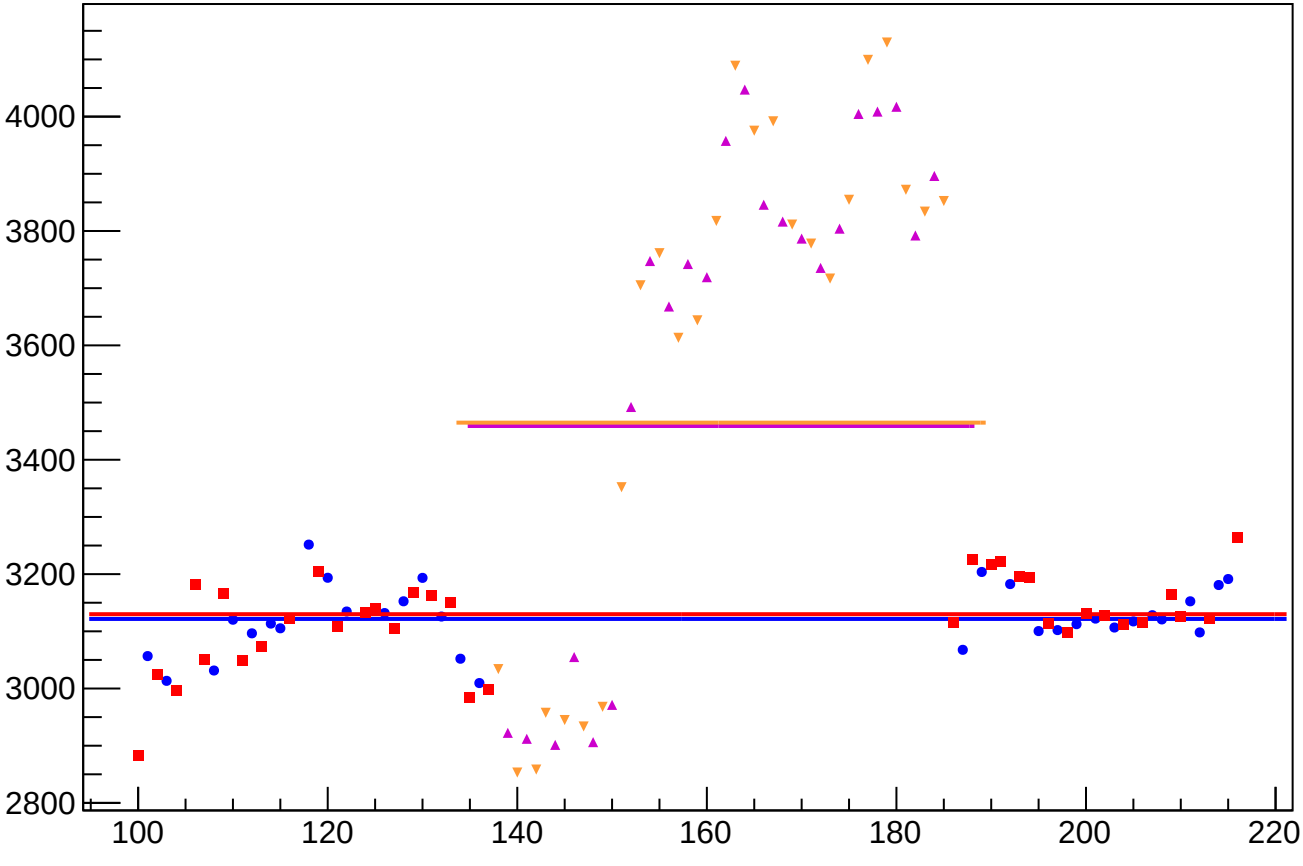
Right: -19.633+/-0.500 χ^2/NDF: 6739.3/65

In: -20.096+/-0.535 χ^2/NDF:2477.4/53

Out: -4.856+/-0.526 χ^2/NDF:4743.0/59

All: -12.347+/-0.375 χ^2/NDF: 7632.4/113

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: 3129.952+/-0.497 χ^2/NDF: 17567.9/34

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

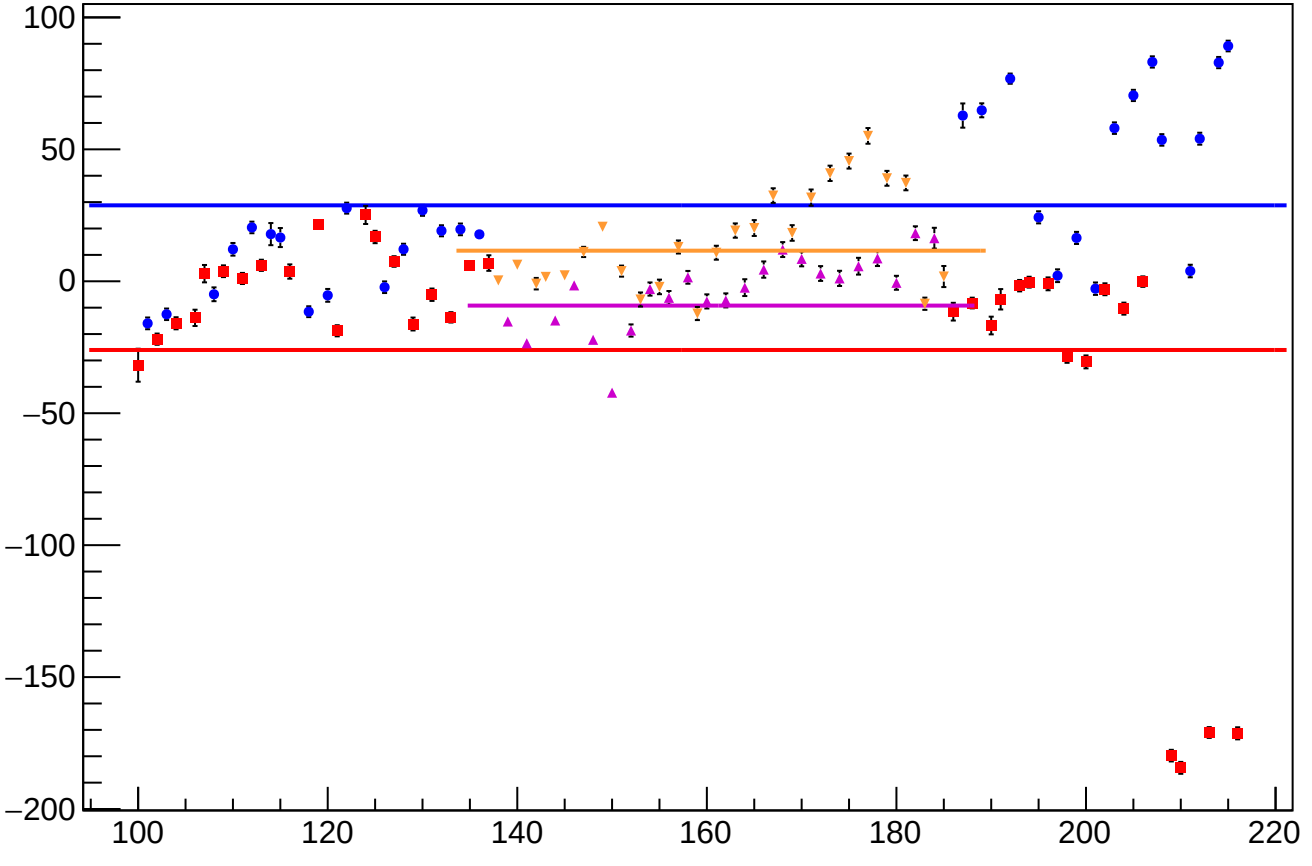
Right: 3125.847+/-0.353 χ^2/NDF: 29776.3/65

In: 3267.479+/-0.379 χ^2/NDF:790327.4/53

Out: 3277.249+/-0.372 χ^2/NDF:861091.1/59

All: 3272.446+/-0.265 χ^2/NDF: 1651757.1/11

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: -26.035+/-0.394 χ^2/NDF: 22625.6/34

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

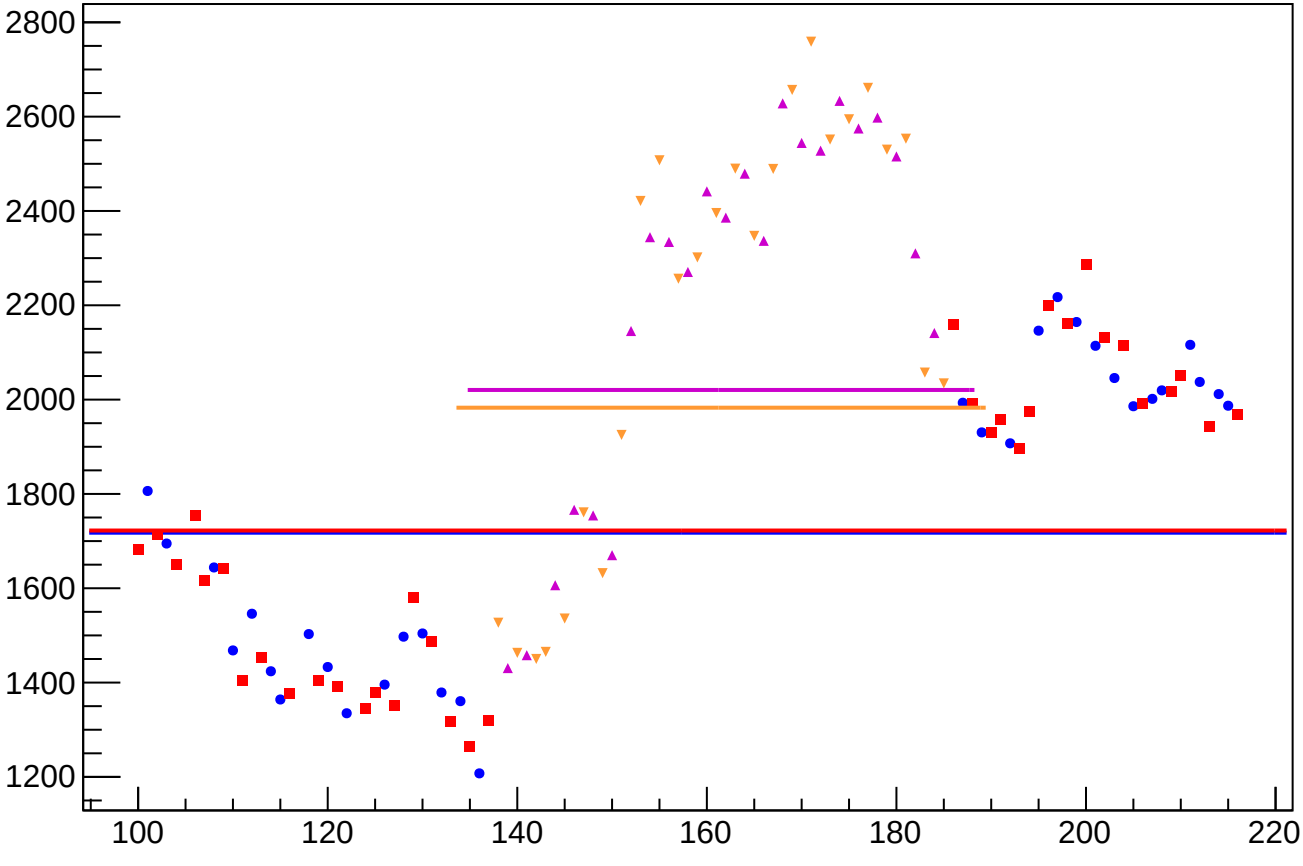
Right: 1.073+/-0.280 χ^2/NDF: 38444.8/65

In: 13.422+/-0.308 χ^2/NDF:10871.2/53

Out: -10.236+/-0.300 χ^2/NDF:27648.9/59

All: 1.307+/-0.215 χ^2/NDF: 41549.1/113

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: 1722.424+/-0.279 χ^2/NDF: 1313474.4/34

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

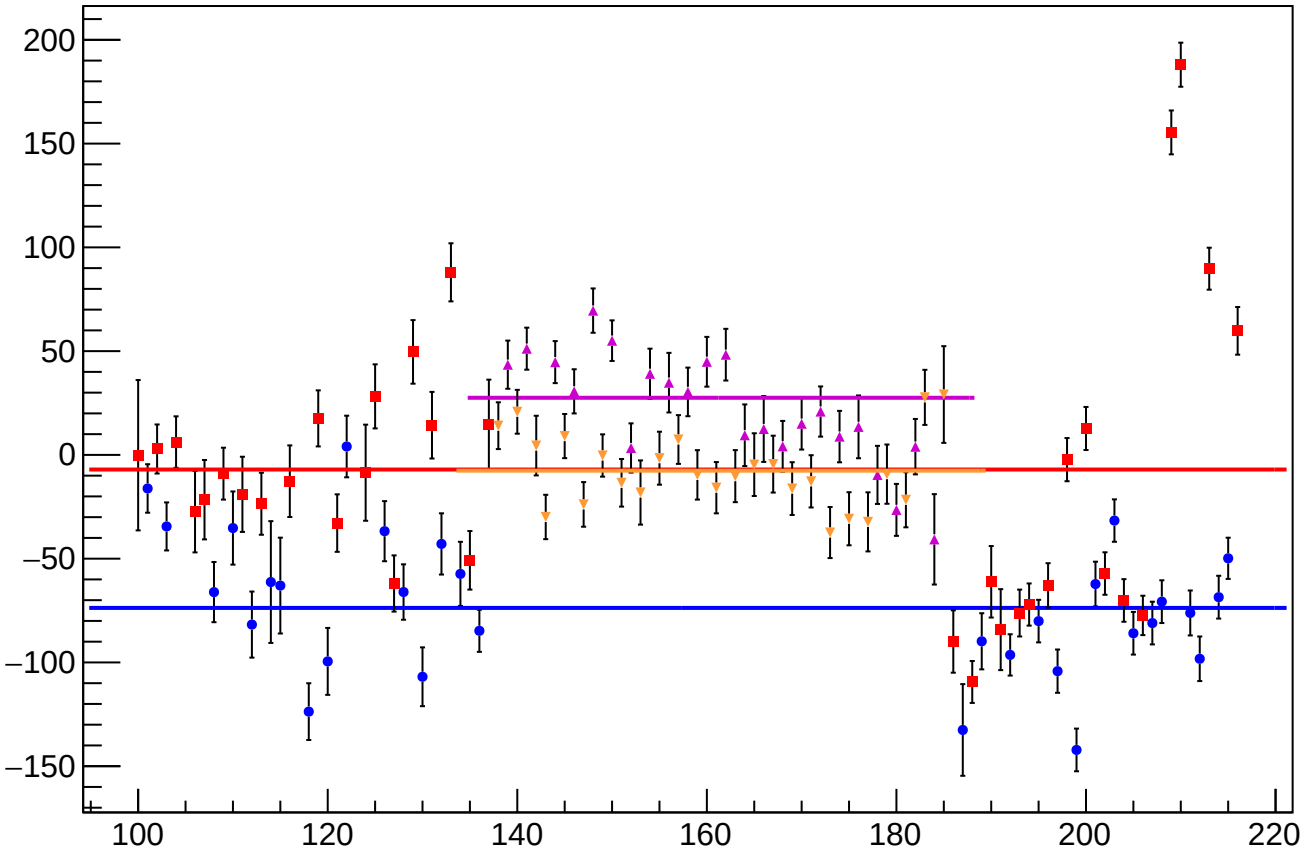
Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

Right: 1720.142+/-0.198 χ^2/NDF: 2651481.6/65

In: 1840.156+/-0.218 χ^2/NDF:3418854.0/53

Out: 1831.761+/-0.212 χ^2/NDF:3657666.9/59

All: 1835.857+/-0.152 χ^2/NDF: 7077283.8/11



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: -7.044+/-2.182 χ^2/NDF: 1190.4/34

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

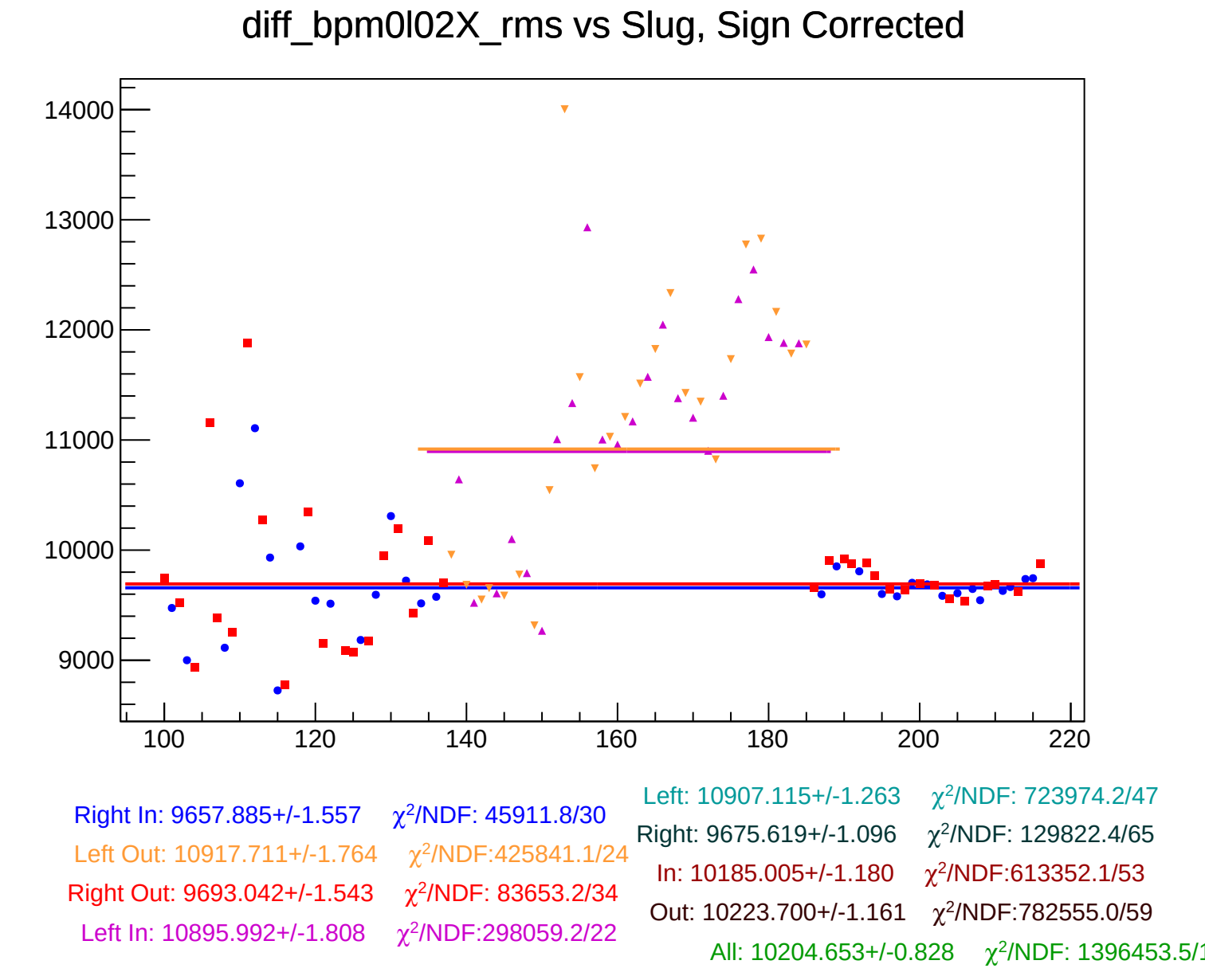
Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

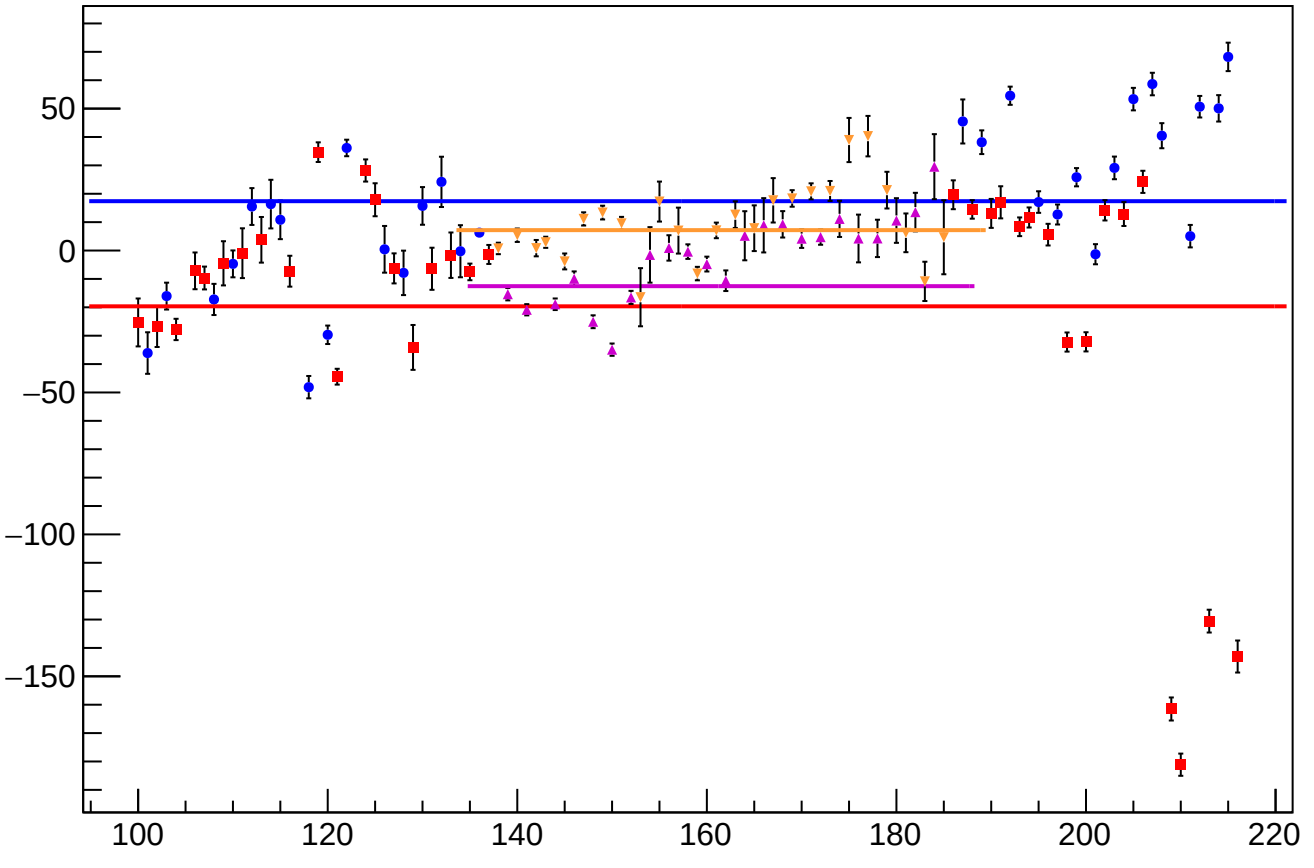
Right: -40.089+/-1.550 χ^2/NDF: 1855.5/65

In: -30.618+/-1.668 χ^2/NDF:1196.1/53

Out: -7.282+/-1.642 χ^2/NDF:1238.4/59

All: -18.769+/-1.170 χ^2/NDF: 2533.8/113


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
120
140
160
180
200
220
Right In: 9657.885+/-1.557 χ²/NDF: 45911.8/30
Left Out: 10917.711+/-1.764 χ²/NDF:425841.1/24
Right Out: 9693.042+/-1.543 χ²/NDF: 83653.2/34
Left In: 10895.992+/-1.808 χ²/NDF:298059.2/22
Left: 10907.115+/-1.263 χ²/NDF: 723974.2/47
Right: 9675.619+/-1.096 χ²/NDF: 129822.4/65
In: 10185.005+/-1.180 χ²/NDF:613352.1/53
Out: 10223.700+/-1.161 χ²/NDF:782555.0/59
All: 10204.653+/-0.828 χ²/NDF: 1396453.5/1



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: -19.653+/-0.724 χ^2/NDF: 5537.1/34

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

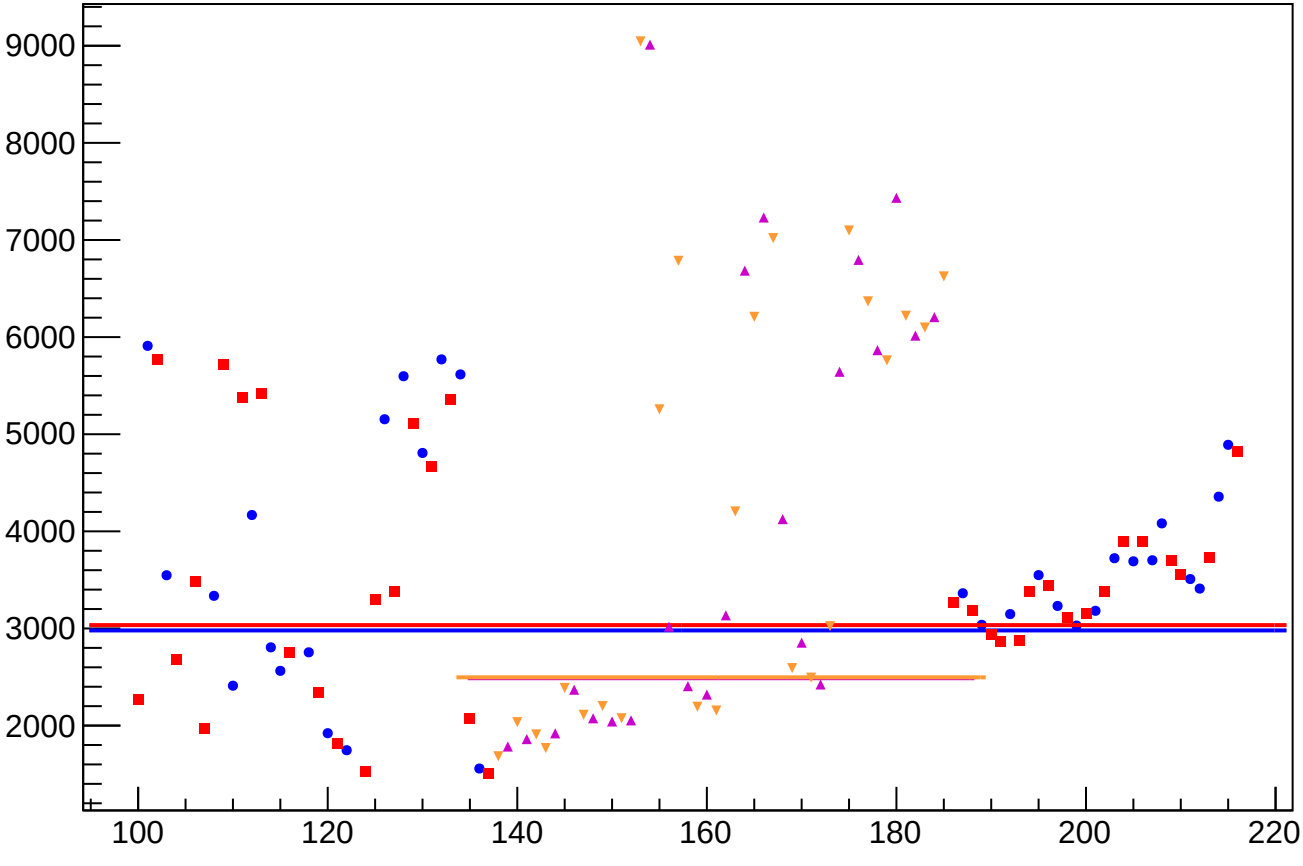
Right: -1.296+/-0.514 χ^2/NDF: 8264.5/65

In: 0.912+/-0.490 χ^2/NDF:2727.2/53

Out: -4.862+/-0.485 χ^2/NDF:6495.6/59

All: -2.003+/-0.345 χ^2/NDF: 9292.9/113

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: 3034.492+/-0.512 χ^2/NDF: 3456583.0/34

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

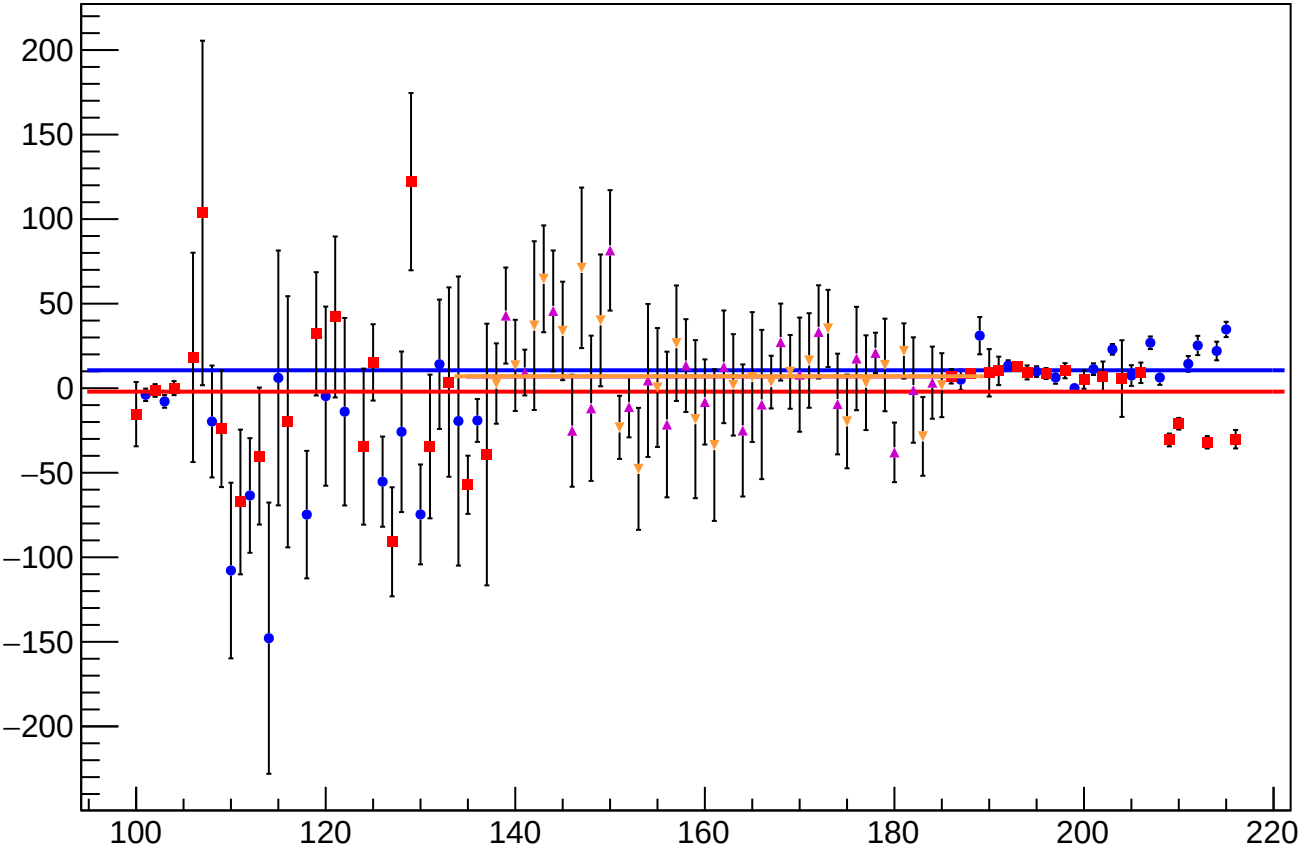
Right: 3007.331+/-0.364 χ^2/NDF: 7760305.3/65

In: 2708.977+/-0.346 χ^2/NDF:10900487.1/53

Out: 2738.163+/-0.343 χ^2/NDF:11269951.4/59

All: 2723.712+/-0.244 χ^2/NDF: 22174021.3/1

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: -2.031+/-0.999 χ^2/NDF: 294.6/34

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

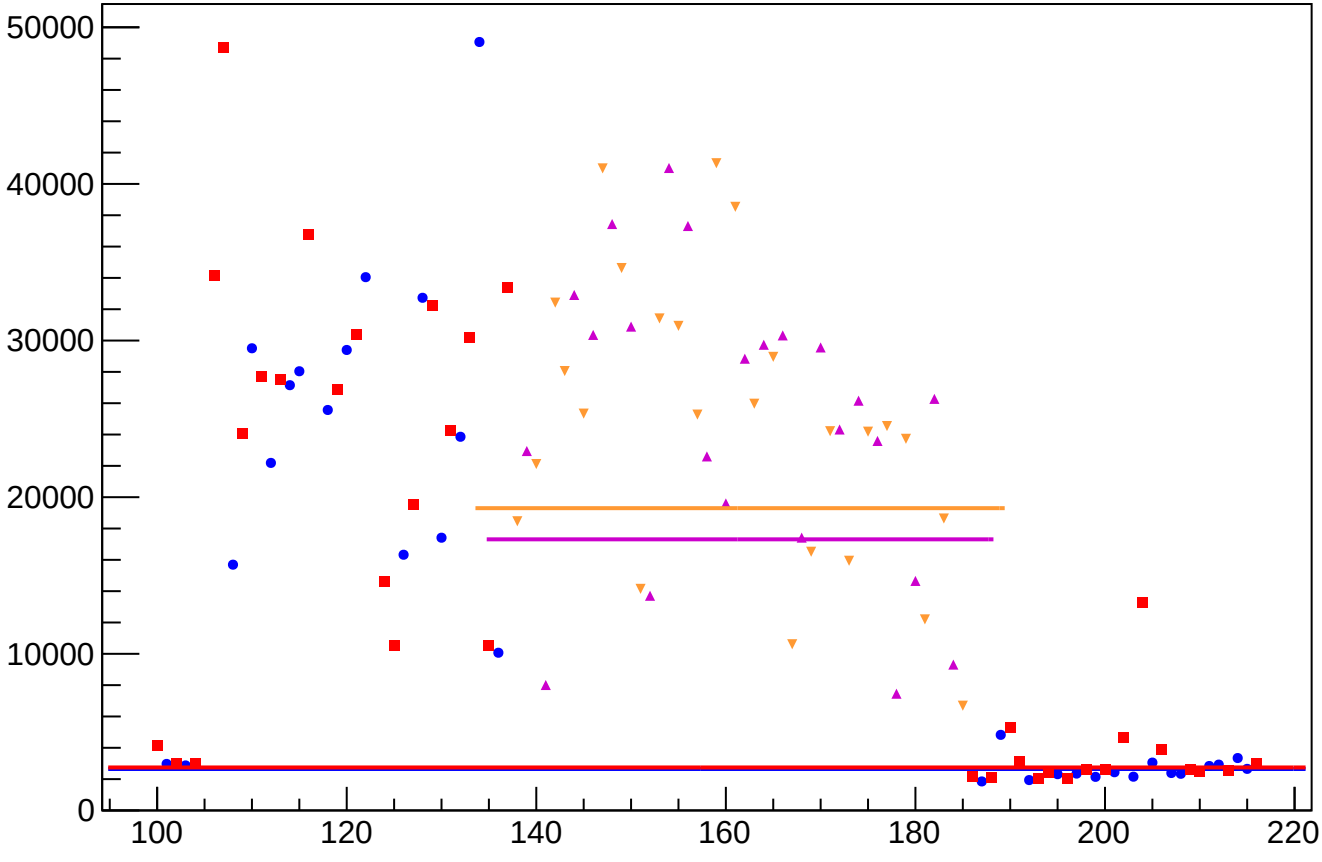
Right: 4.528+/-0.692 χ^2/NDF: 553.5/65

In: 10.475+/-0.944 χ^2/NDF:197.4/53

Out: -1.711+/-0.981 χ^2/NDF:317.1/59

All: 4.614+/-0.680 χ^2/NDF: 594.6/113

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: 2745.041+/-0.706 χ^2/NDF: 9428929.7/34

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

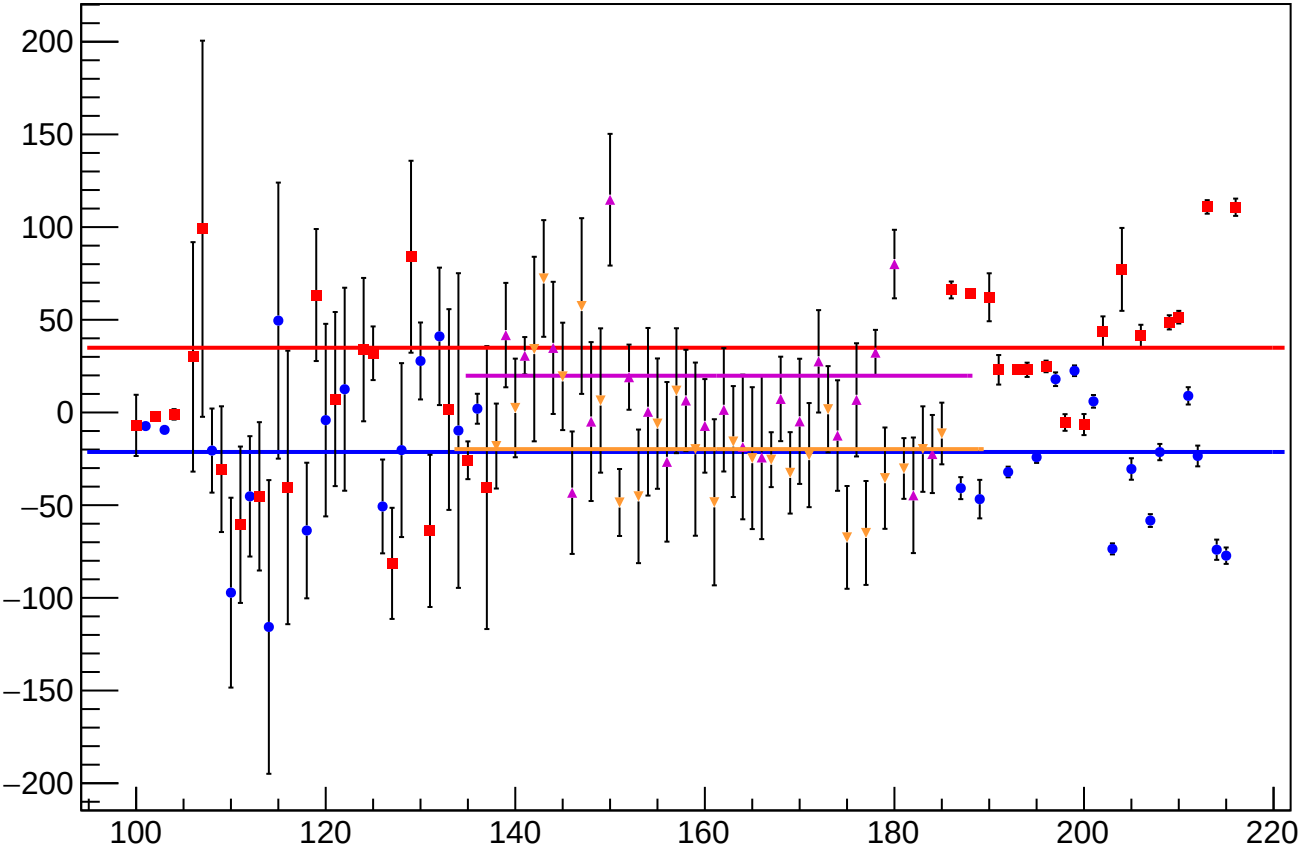
Right: 2694.668+/-0.490 χ^2/NDF: 17427294.7/65

In: 3152.373+/-0.668 χ^2/NDF:30727669.9/53

Out: 3327.842+/-0.694 χ^2/NDF:33816792.0/59

All: 3236.764+/-0.481 χ^2/NDF: 64577685.4/1

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: 34.918+/-0.901 χ^2/NDF: 1546.8/34

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

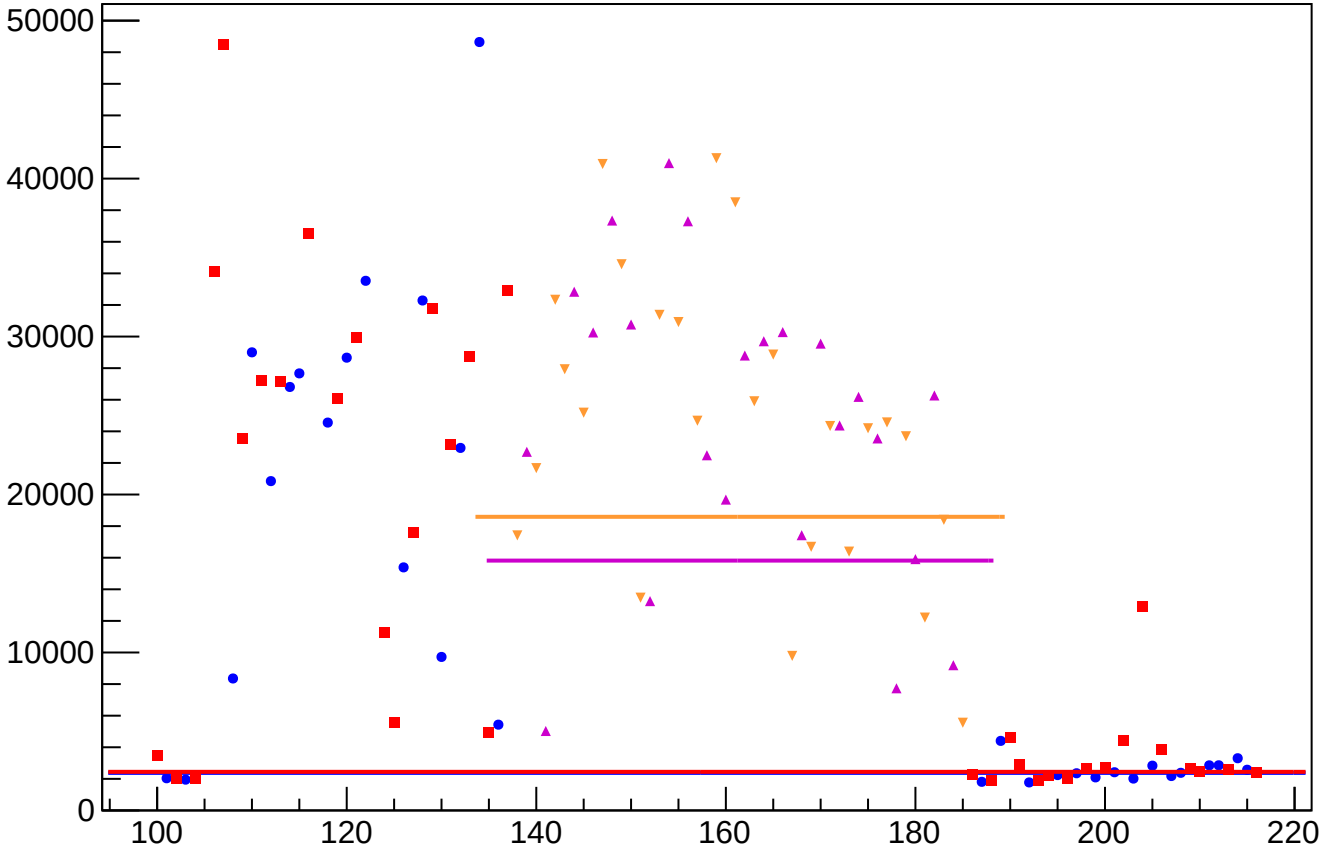
Right: 5.816+/-0.626 χ^2/NDF: 4800.1/65

In: -20.022+/-0.856 χ^2/NDF:1346.8/53

Out: 33.274+/-0.887 χ^2/NDF:1685.4/59

All: 5.671+/-0.616 χ^2/NDF: 4901.5/113

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: 2444.928+/-0.637 χ^2/NDF: 9018720.8/34

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

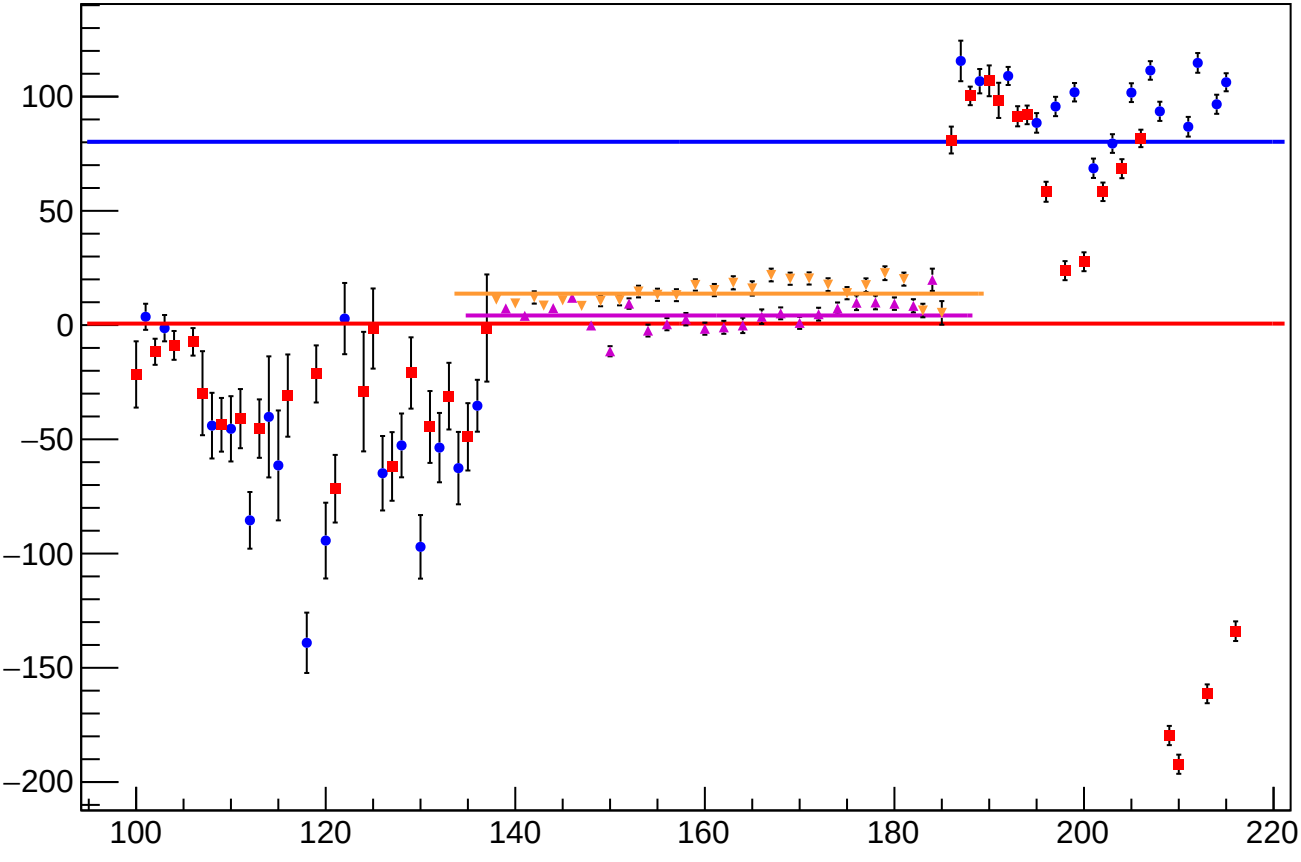
Right: 2410.941+/-0.442 χ^2/NDF: 16199021.0/65

In: 2798.522+/-0.605 χ^2/NDF:30484432.5/53

Out: 2930.206+/-0.627 χ^2/NDF:34029357.7/59

All: 2862.005+/-0.436 χ^2/NDF: 64536614.4/1

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: 0.647+/-1.013 χ^2/NDF: 9900.3/34

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

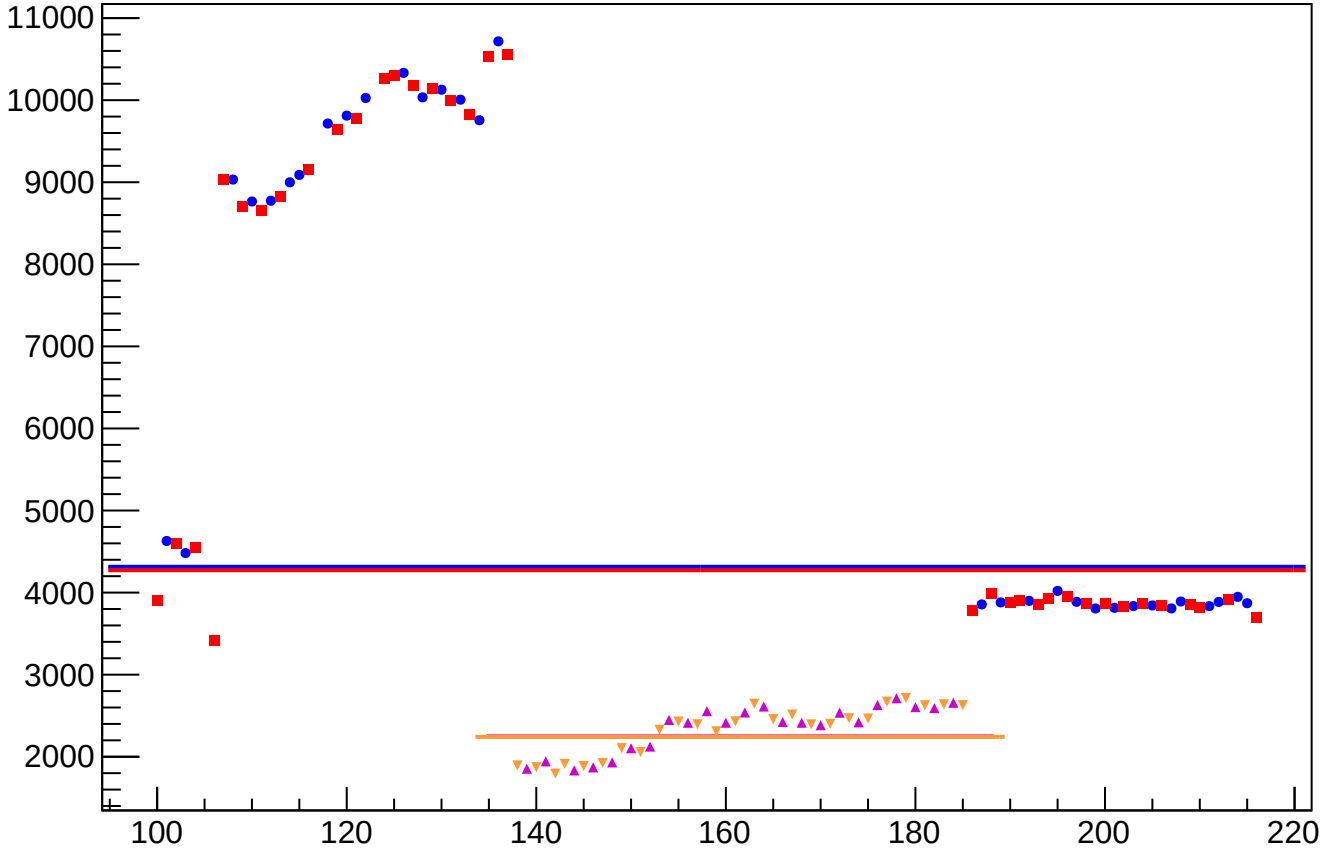
Right: 39.454+/-0.725 χ^2/NDF: 15052.9/65

In: 19.927+/-0.472 χ^2/NDF:6519.7/53

Out: 11.074+/-0.458 χ^2/NDF:10110.9/59

All: 15.370+/-0.329 χ^2/NDF: 16811.6/113

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: 4272.620+/-0.716 χ^2/NDF: 4017969.4/34

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

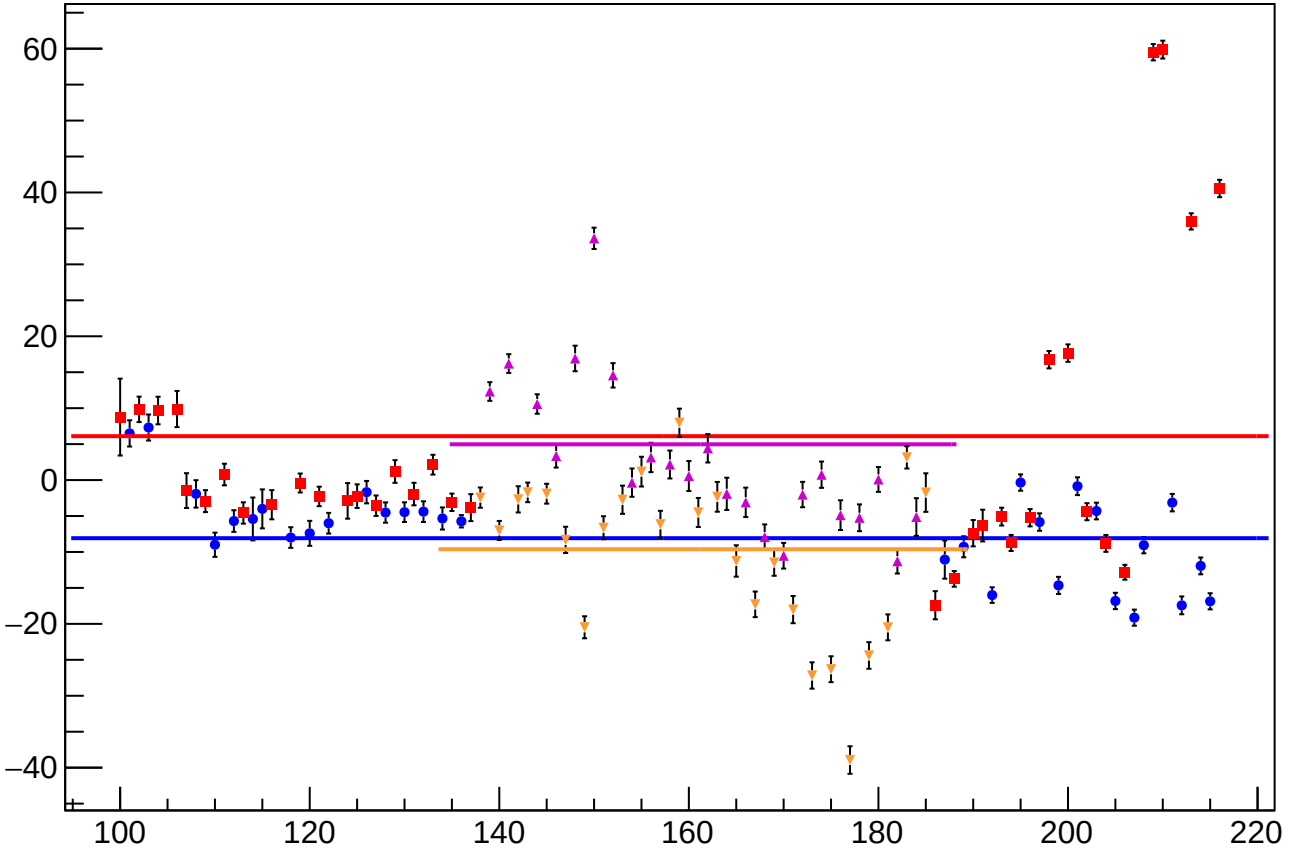
Right: 4292.936+/-0.513 χ^2/NDF: 8089805.1/65

In: 2675.842+/-0.334 χ^2/NDF:10994896.8/53

Out: 2658.252+/-0.324 χ^2/NDF:11068180.1/59

All: 2666.787+/-0.233 χ^2/NDF: 22064506.3/1

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: 6.104+/-0.240 χ^2/NDF: 7664.5/34

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

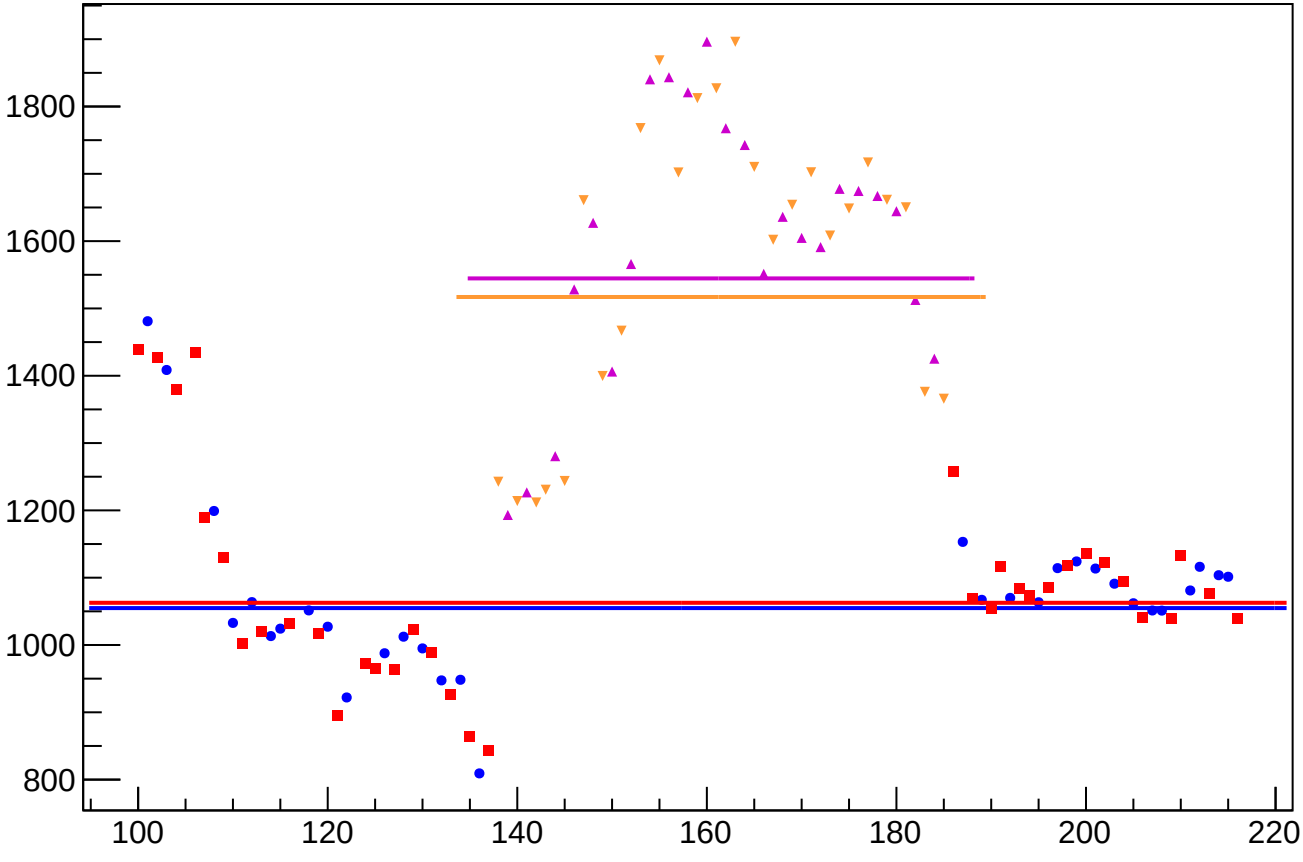
Right: -0.948+/-0.170 χ^2/NDF: 10084.1/65

In: -4.101+/-0.201 χ^2/NDF:2505.4/53

Out: 1.054+/-0.198 χ^2/NDF:9976.3/59

All: -1.478+/-0.141 χ^2/NDF: 12815.2/113

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: 1062.696+/-0.170 χ^2/NDF: 415115.3/34

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

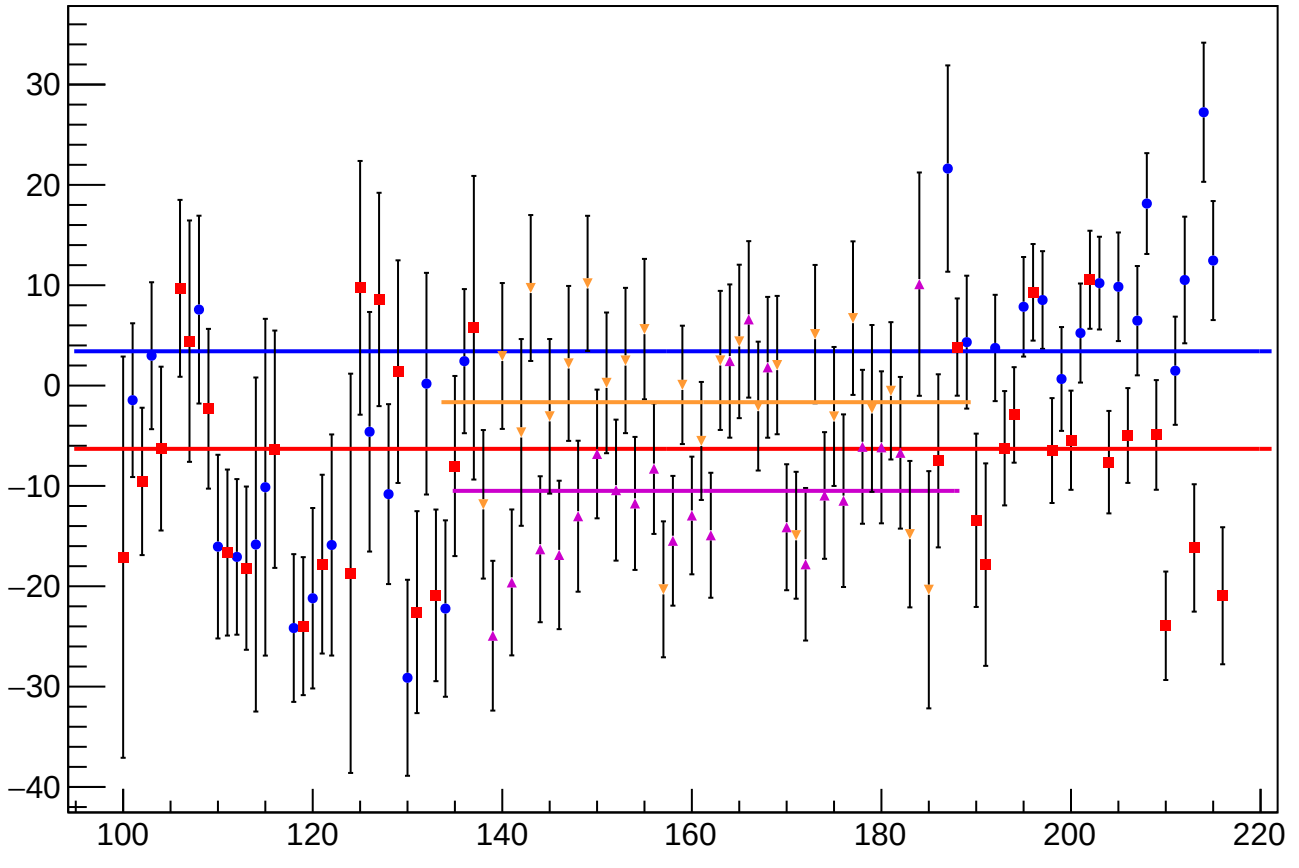
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1058.780+/-0.120 χ^2/NDF: 859565.9/65

In: 1204.202+/-0.142 χ^2/NDF:3590439.4/53

Out: 1208.600+/-0.140 χ^2/NDF:3547428.5/59

All: 1206.440+/-0.100 χ^2/NDF: 7138353.4/11



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: -6.305+/-1.177 χ^2/NDF: 74.6/34

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

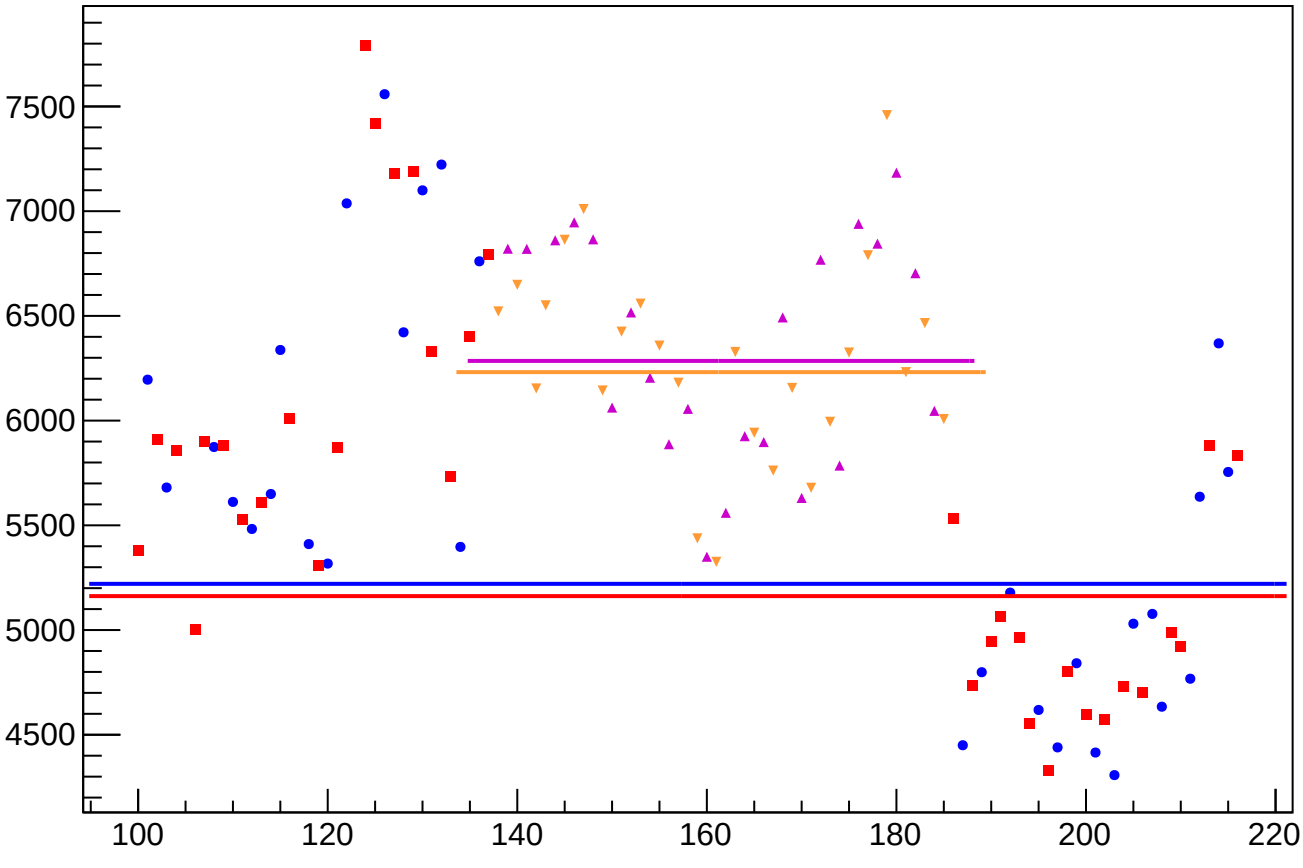
Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

Right: -1.574+/-0.843 χ^2/NDF: 202.7/65

In: -2.149+/-0.936 χ^2/NDF:172.8/53

Out: -4.422+/-0.908 χ^2/NDF:112.4/59

All: -3.321+/-0.652 χ^2/NDF: 288.3/113



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: 5161.998+/-0.832 χ^2/NDF: 693766.0/34

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

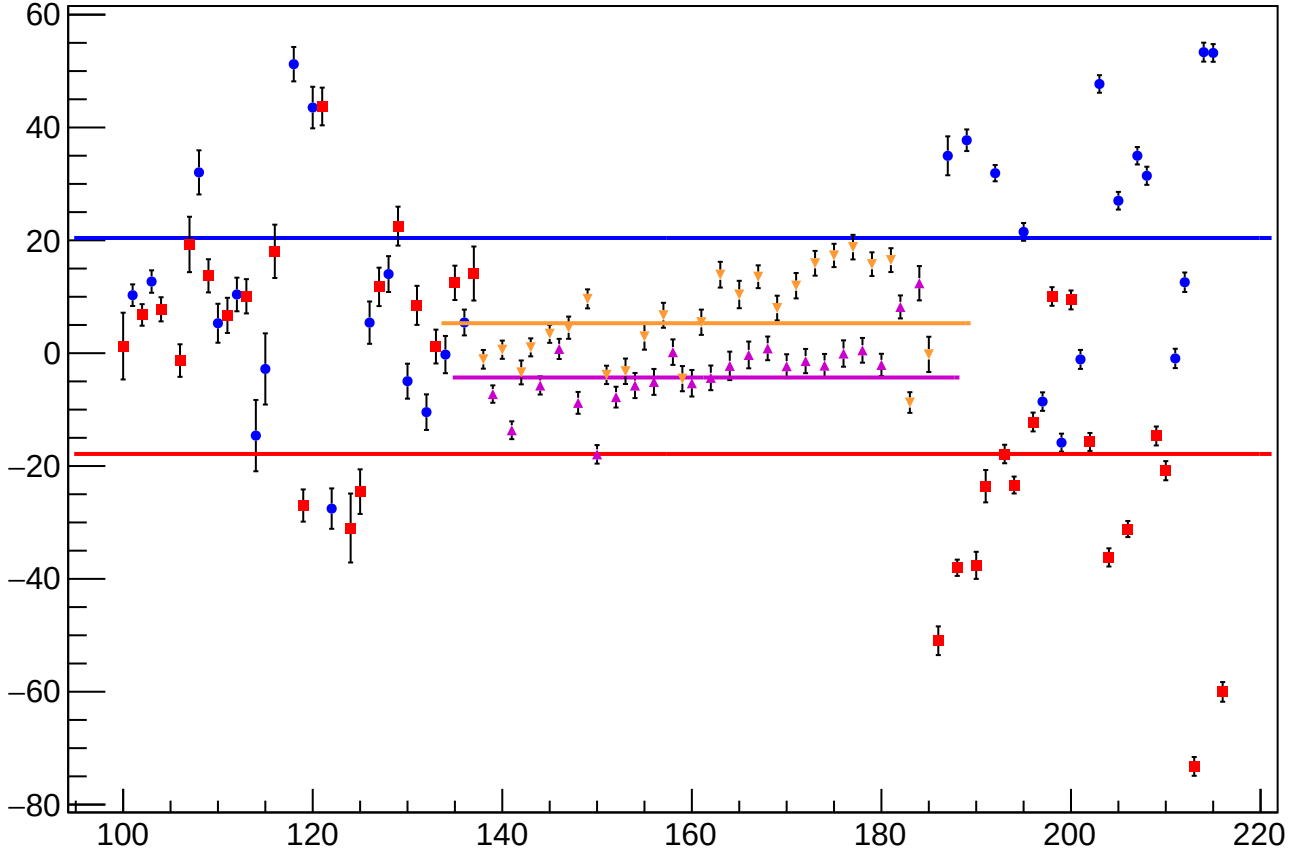
Right: 5190.519+/-0.596 χ^2/NDF: 1530842.4/65

In: 5646.600+/-0.662 χ^2/NDF:1720788.9/53

Out: 5595.123+/-0.642 χ^2/NDF:1589973.2/59

All: 5620.068+/-0.461 χ^2/NDF: 3313879.4/11

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: -17.860+/-0.368 χ^2/NDF: 4469.5/34

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

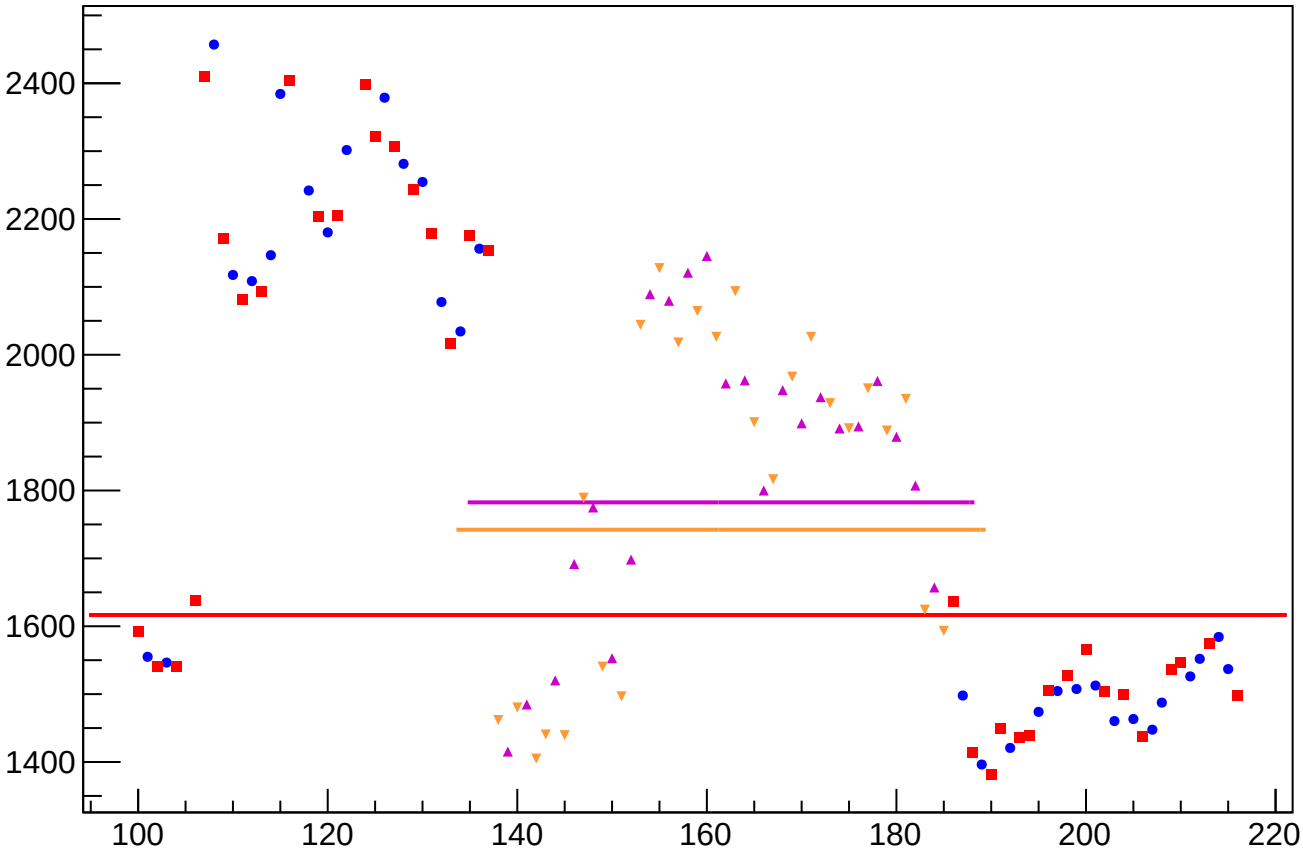
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 1.032+/-0.262 χ^2/NDF: 13126.1/65

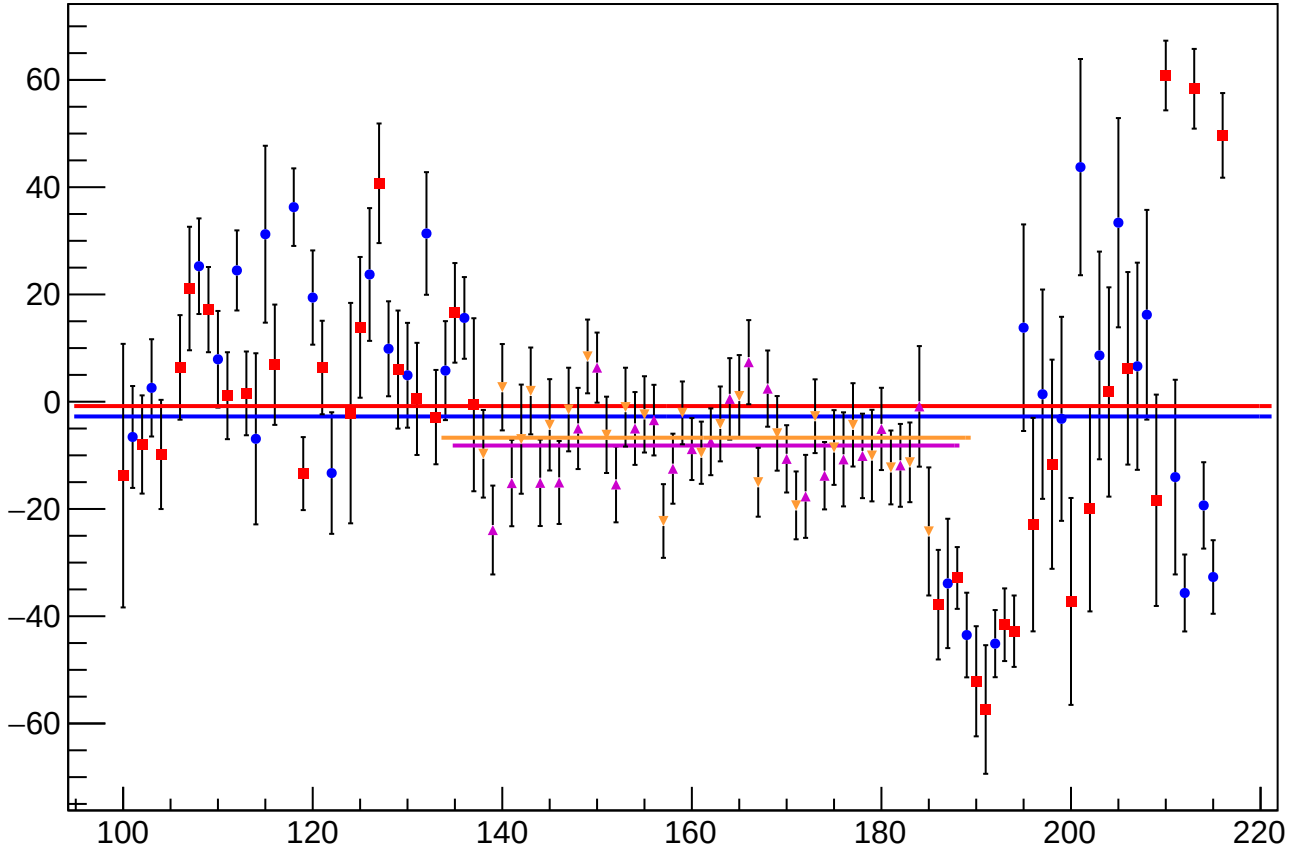
In: 9.510+/-0.279 χ^2/NDF:5486.1/53

Out: -7.234+/-0.271 χ^2/NDF:6661.5/59

All: 0.897+/-0.194 χ^2/NDF: 14000.1/113


diff_bpm0l05Y_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
100
120
140
160
180
200
220
Right In: 1616.596+/-0.264 χ²/NDF: 1081734.8/30
Left Out: 1742.217+/-0.283 χ²/NDF:767663.9/24
Right Out: 1616.499+/-0.261 χ²/NDF: 1055900.6/34
Left In: 1782.502+/-0.297 χ²/NDF:534374.9/22
Left: 1761.391+/-0.205 χ²/NDF: 1311677.3/47
Right: 1616.547+/-0.185 χ²/NDF: 2137635.5/65
In: 1689.782+/-0.197 χ²/NDF:1790448.2/53
Out: 1674.147+/-0.192 χ²/NDF:1930347.7/59
All: 1681.740+/-0.137 χ²/NDF: 3724026.6/11

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: -0.815+/-1.643 χ^2/NDF: 403.4/34

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

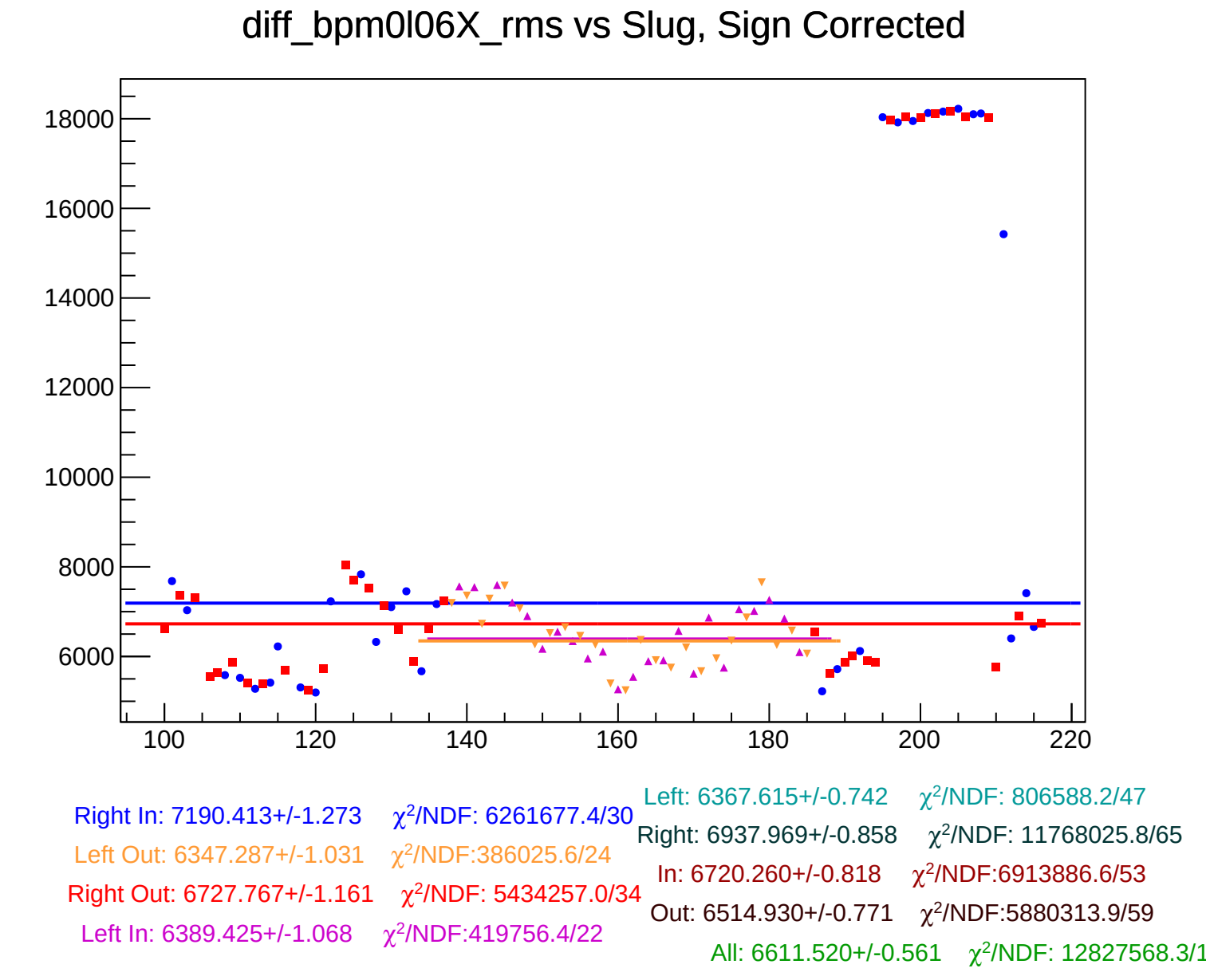
Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

Right: -1.694+/-1.213 χ^2/NDF: 627.5/65

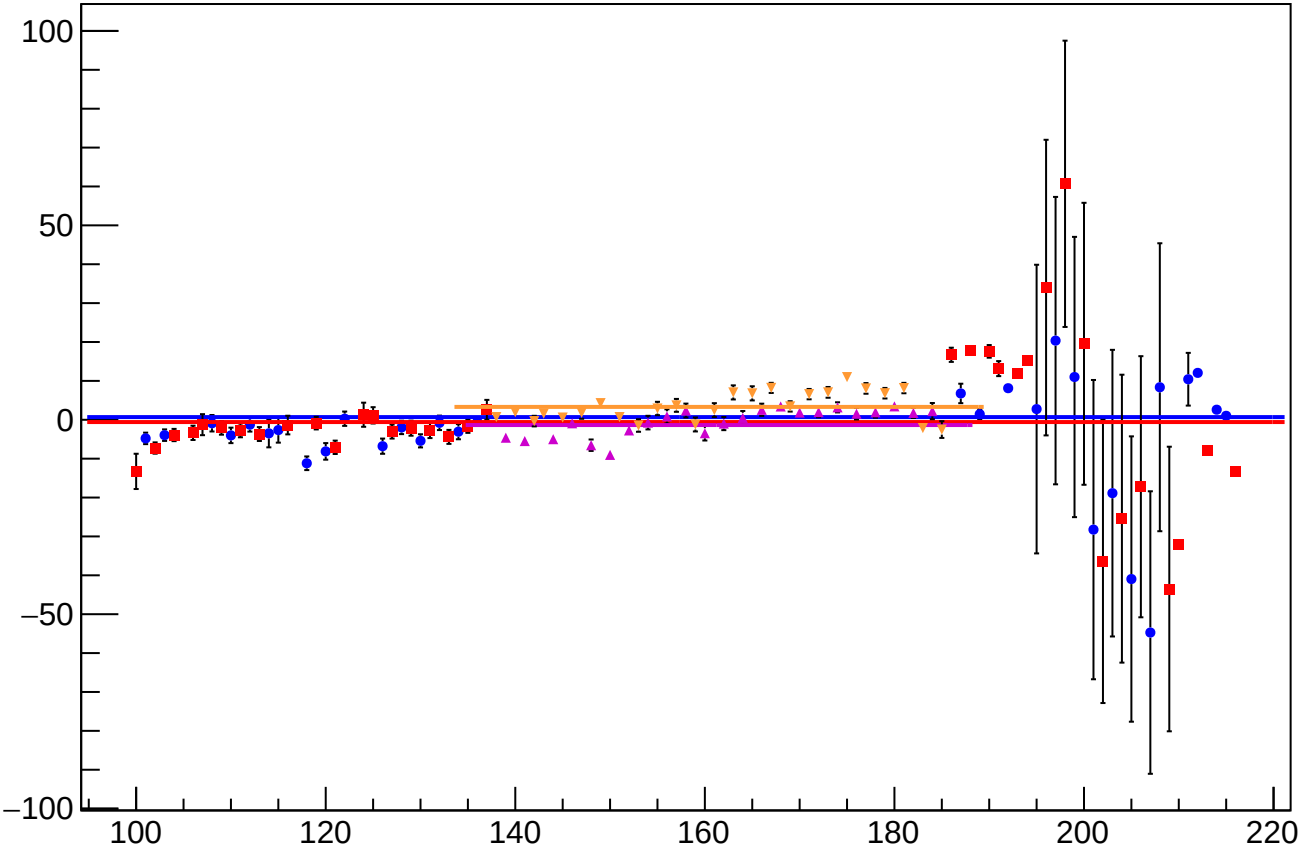
In: -5.932+/-1.157 χ^2/NDF:252.9/53

Out: -4.114+/-1.090 χ^2/NDF:436.3/59

All: -4.969+/-0.793 χ^2/NDF: 690.6/113


diff_bpm0l06X_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 7190.413+/-1.273 χ²/NDF: 6261677.4/30
Left Out: 6347.287+/-1.031 χ²/NDF:386025.6/24
Right Out: 6727.767+/-1.161 χ²/NDF: 5434257.0/34
Left In: 6389.425+/-1.068 χ²/NDF:419756.4/22
Left: 6367.615+/-0.742 χ²/NDF: 806588.2/47
Right: 6937.969+/-0.858 χ²/NDF: 11768025.8/65
In: 6720.260+/-0.818 χ²/NDF:6913886.6/53
Out: 6514.930+/-0.771 χ²/NDF:5880313.9/59
All: 6611.520+/-0.561 χ²/NDF: 12827568.3/1

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: -0.586+/-0.300 χ^2/NDF: 1827.8/34

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

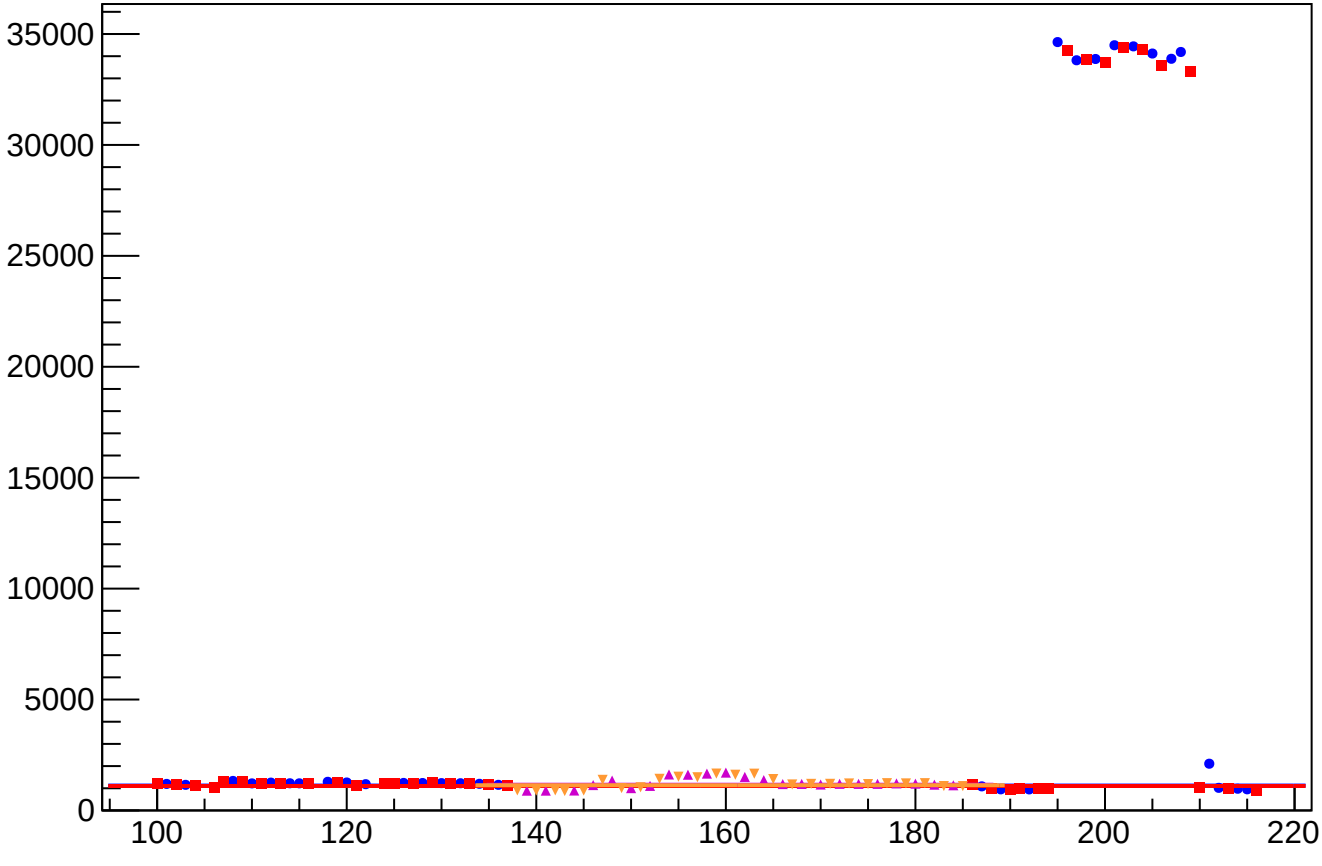
Right: 0.002+/-0.220 χ^2/NDF: 2144.7/65

In: -0.494+/-0.210 χ^2/NDF:527.8/53

Out: 1.608+/-0.198 χ^2/NDF:2100.7/59

All: 0.619+/-0.144 χ^2/NDF: 2681.3/113

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: 1102.394+/-0.212 χ^2/NDF: 11766109.3/34

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

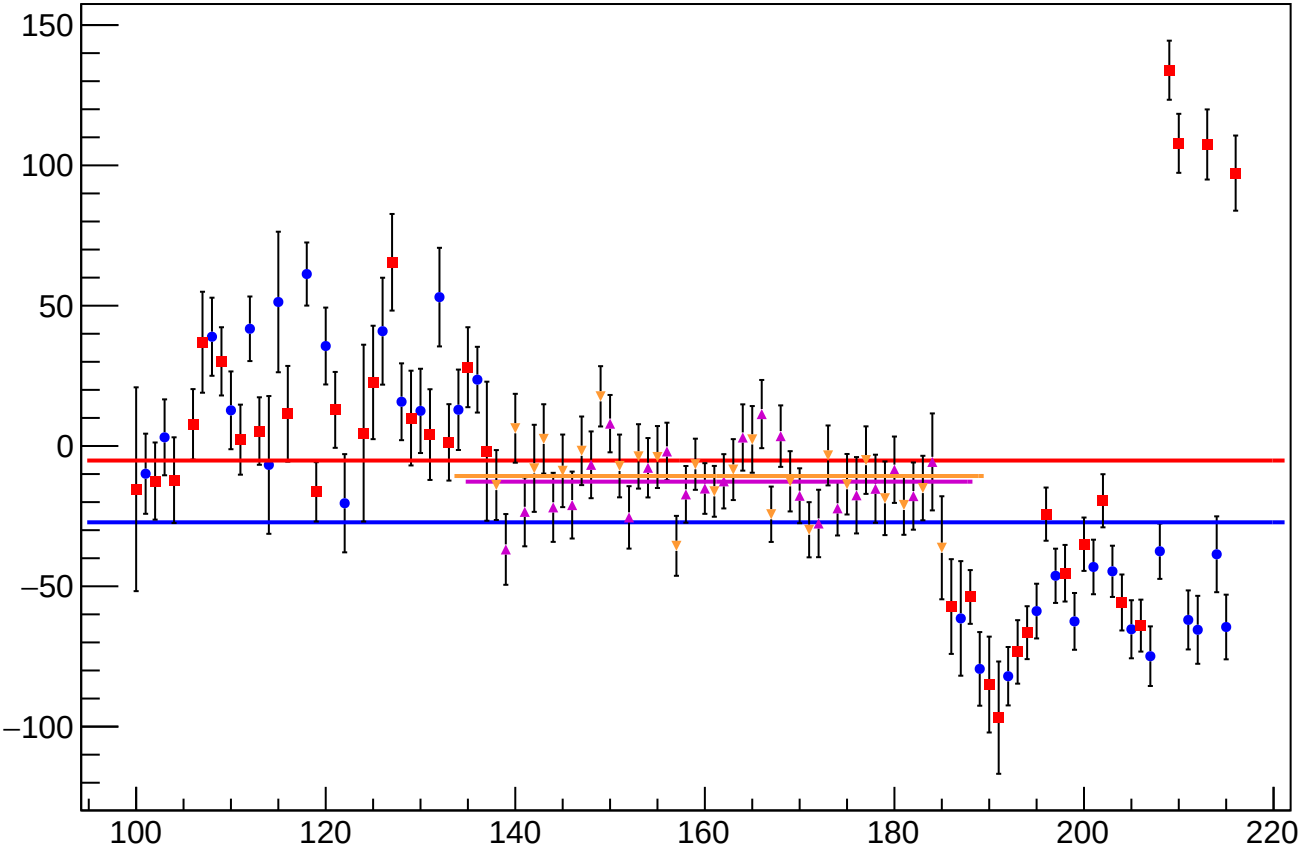
Right: 1111.233+/-0.156 χ^2/NDF: 24961751.6/65

In: 1143.482+/-0.149 χ^2/NDF:14467456.9/53

Out: 1121.957+/-0.140 χ^2/NDF:13250897.9/59

All: 1132.083+/-0.102 χ^2/NDF: 27729429.1/

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: -5.182+/-2.141 χ^2/NDF: 731.0/34

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

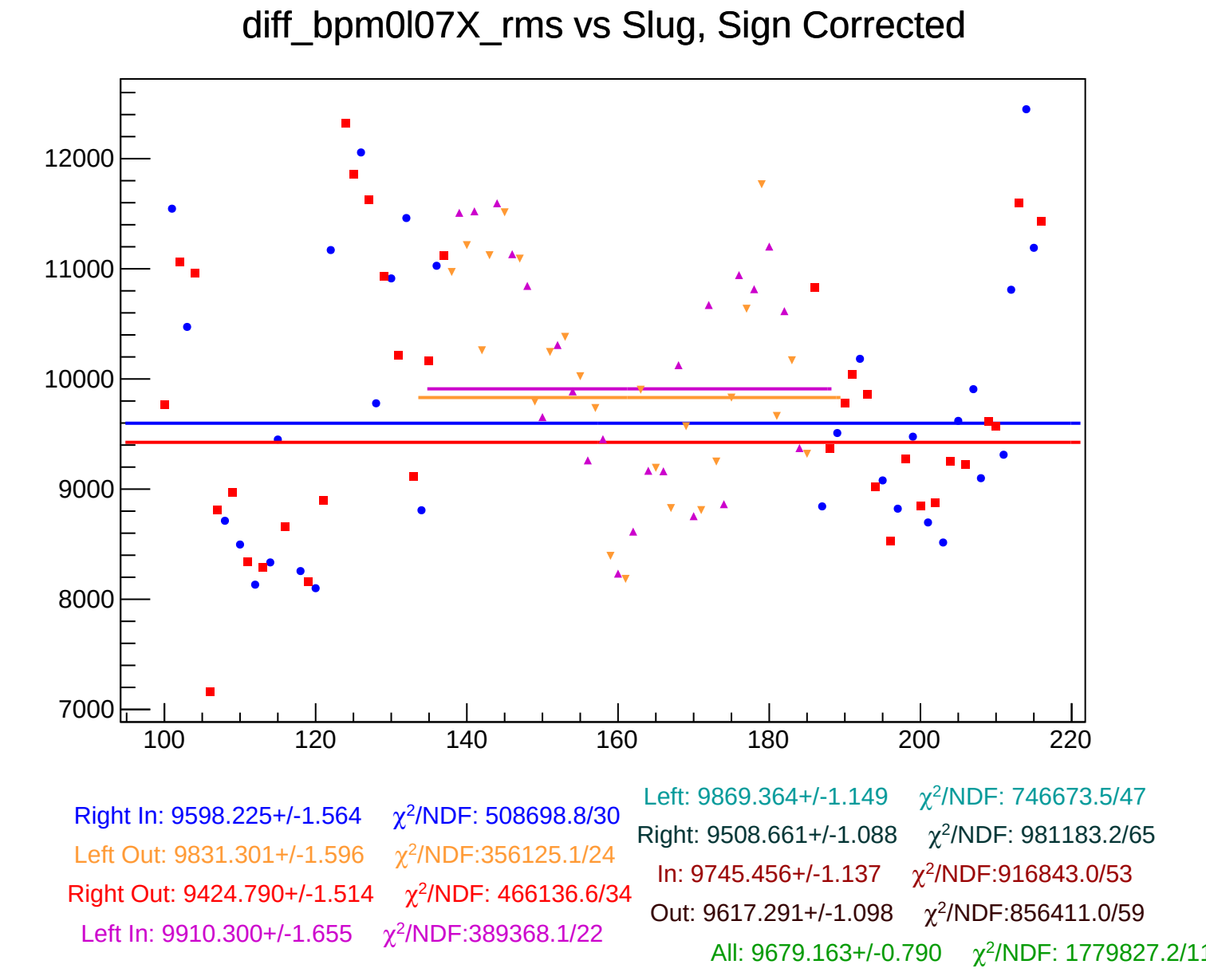
Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

Right: -15.827+/-1.538 χ^2/NDF: 1172.5/65

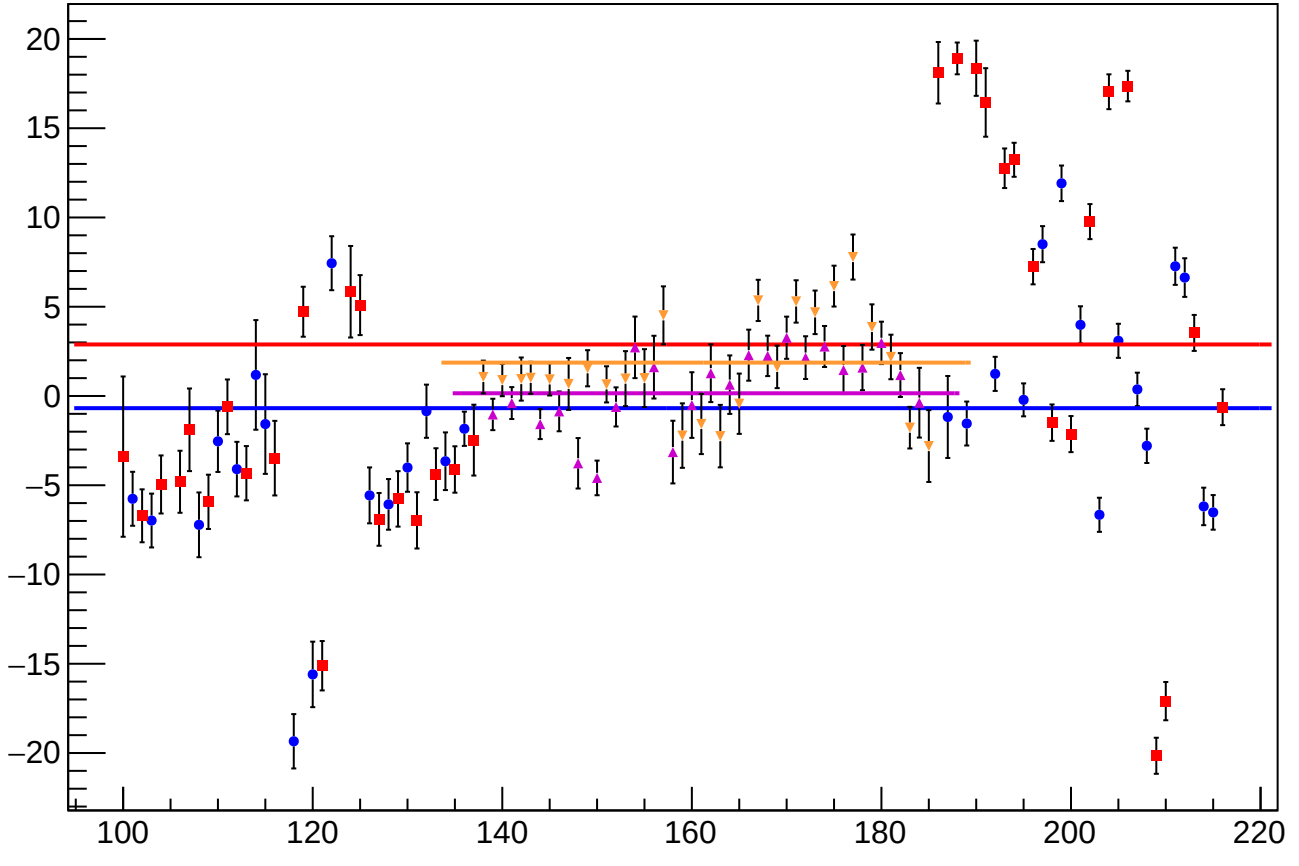
In: -20.366+/-1.608 χ^2/NDF:434.6/53

Out: -7.794+/-1.553 χ^2/NDF:762.9/59

All: -13.863+/-1.117 χ^2/NDF: 1229.1/113


diff_bpm0l07X_rms vs Slug, Sign Corrected
12000
11000
10000
9000
8000
7000
100
120
140
160
180
200
220
Right In: 9598.225+/-1.564 χ²/NDF: 508698.8/30
Left Out: 9831.301+/-1.596 χ²/NDF:356125.1/24
Right Out: 9424.790+/-1.514 χ²/NDF: 466136.6/34
Left In: 9910.300+/-1.655 χ²/NDF:389368.1/22
Left: 9869.364+/-1.149 χ²/NDF: 746673.5/47
Right: 9508.661+/-1.088 χ²/NDF: 981183.2/65
In: 9745.456+/-1.137 χ²/NDF:916843.0/53
Out: 9617.291+/-1.098 χ²/NDF:856411.0/59
All: 9679.163+/-0.790 χ²/NDF: 1779827.2/11

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: 2.886+/-0.216 χ^2/NDF: 2749.2/34

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

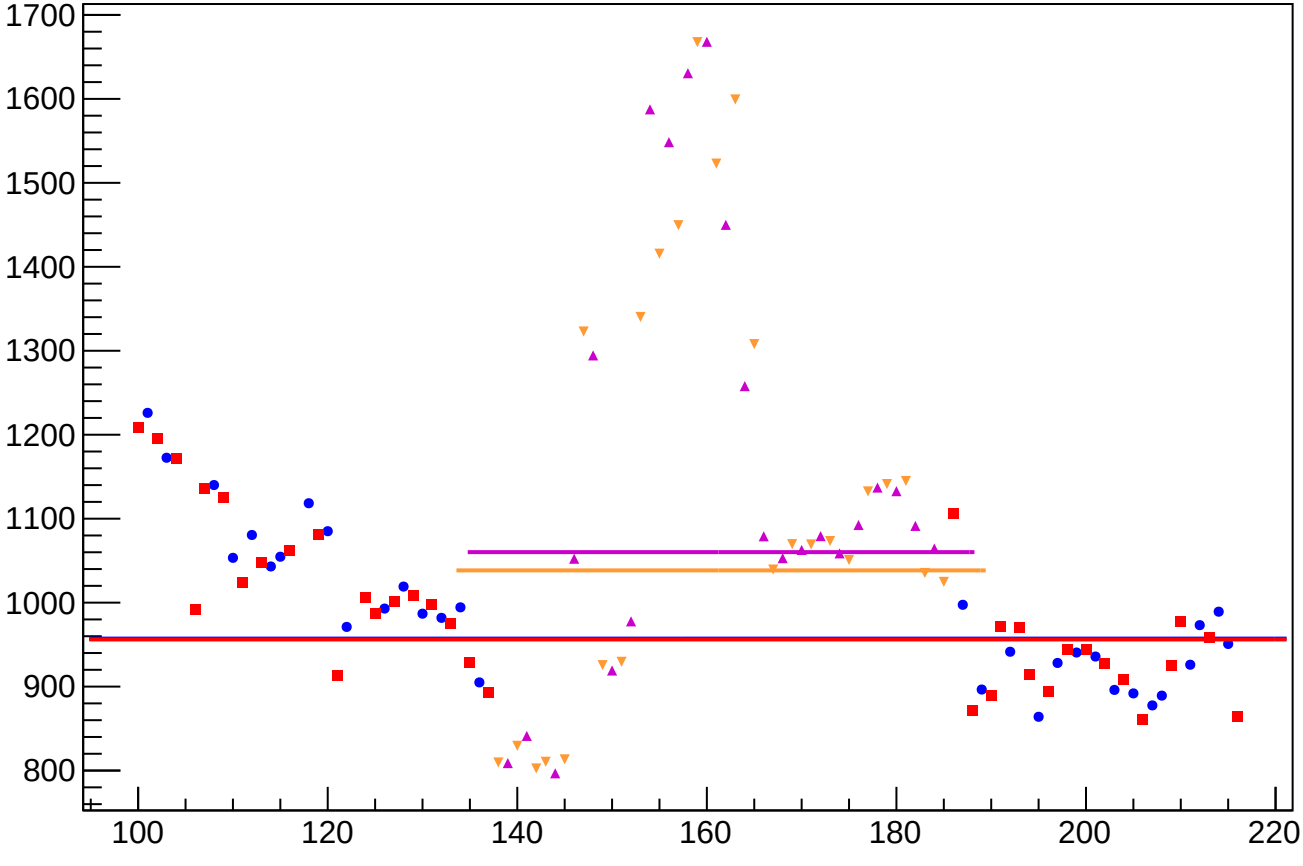
Right: 1.127+/-0.154 χ^2/NDF: 3708.6/65

In: -0.328+/-0.166 χ^2/NDF:906.3/53

Out: 2.437+/-0.161 χ^2/NDF:2862.2/59

All: 1.094+/-0.116 χ^2/NDF: 3911.4/113

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: 956.164+/-0.152 χ^2/NDF: 276067.9/34

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

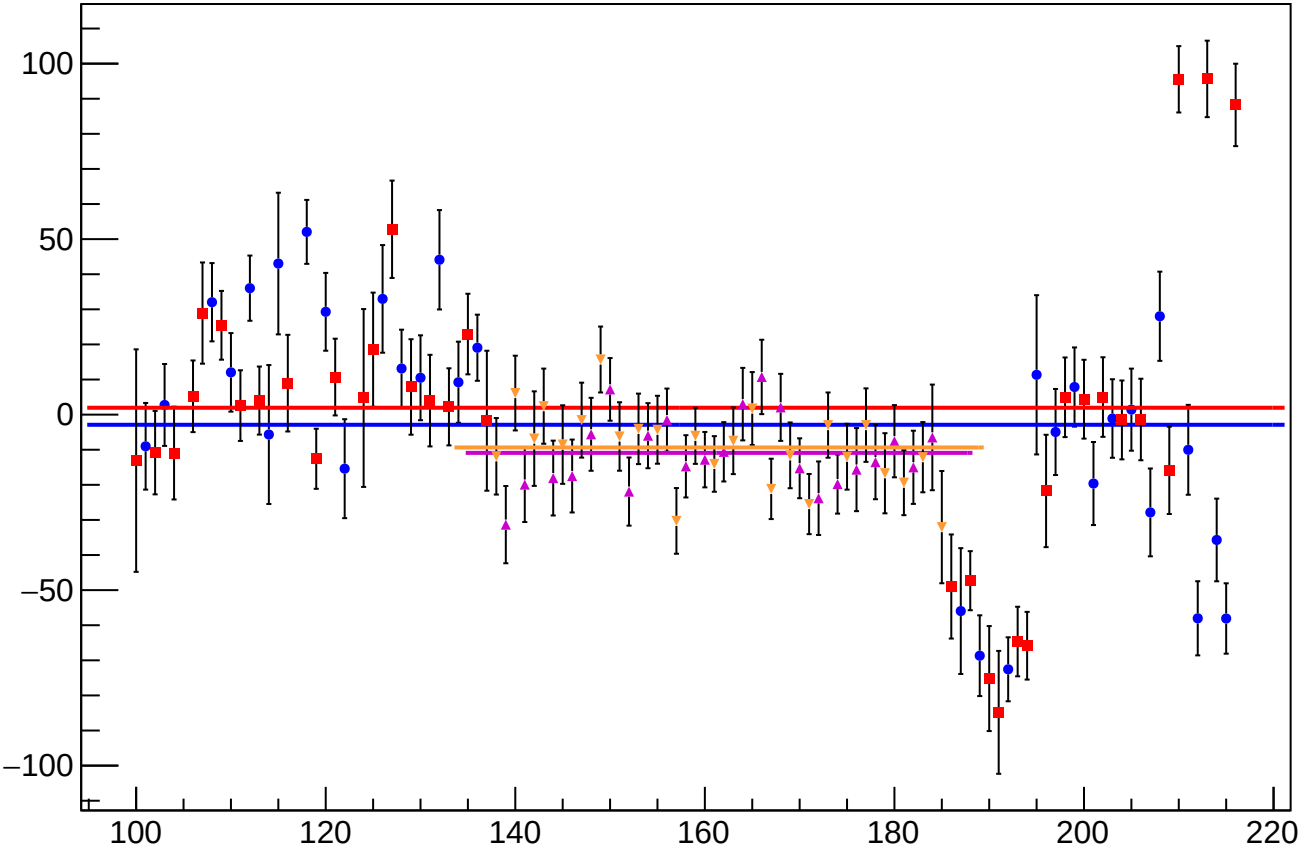
Right: 956.651+/-0.109 χ^2/NDF: 545087.1/65

In: 1000.904+/-0.117 χ^2/NDF:1980730.2/53

Out: 992.459+/-0.114 χ^2/NDF:2111109.5/59

All: 996.561+/-0.082 χ^2/NDF: 4094506.8/113

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: 1.961+/-2.000 χ^2/NDF: 456.1/34

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

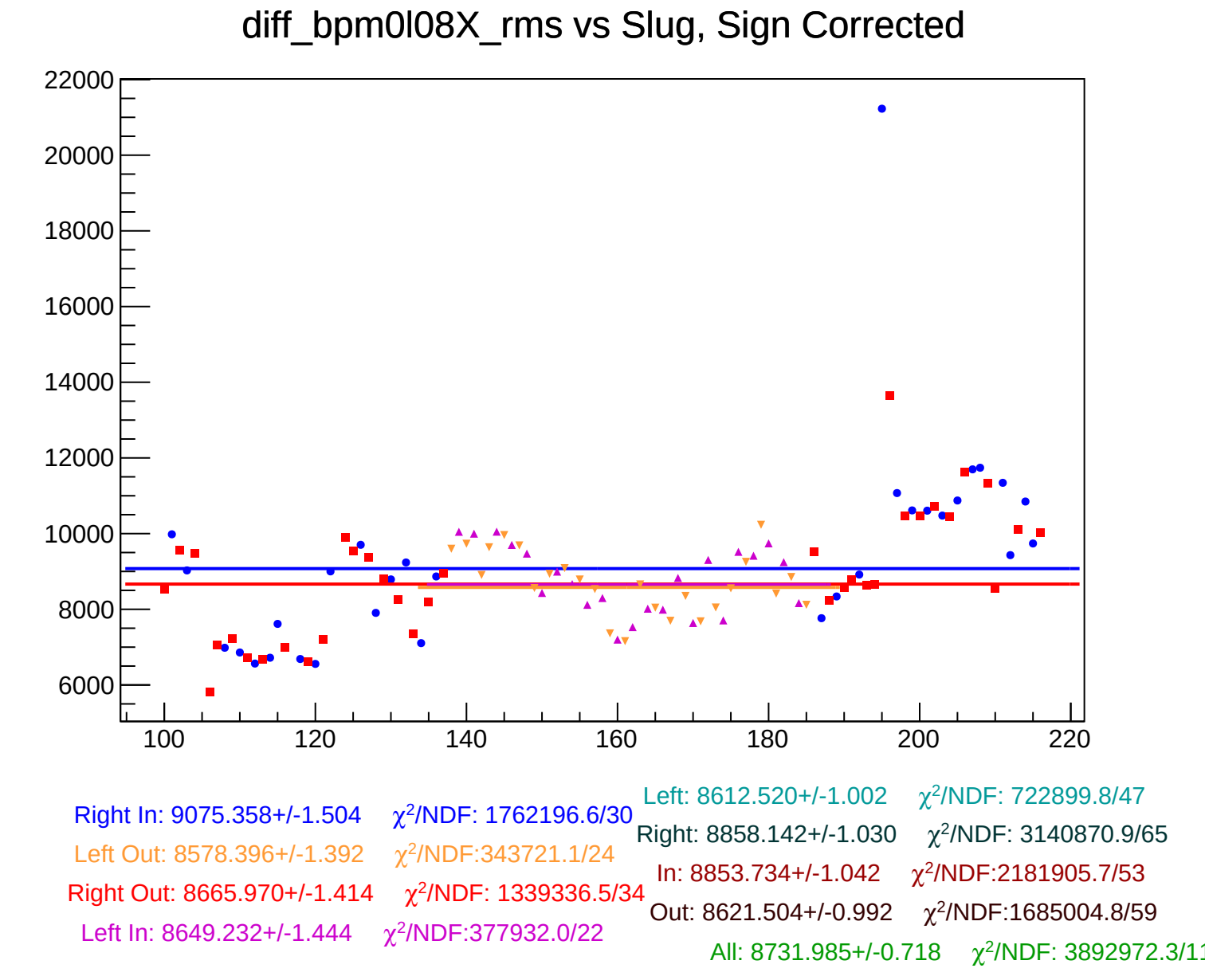
Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

Right: -0.316+/-1.457 χ^2/NDF: 744.6/65

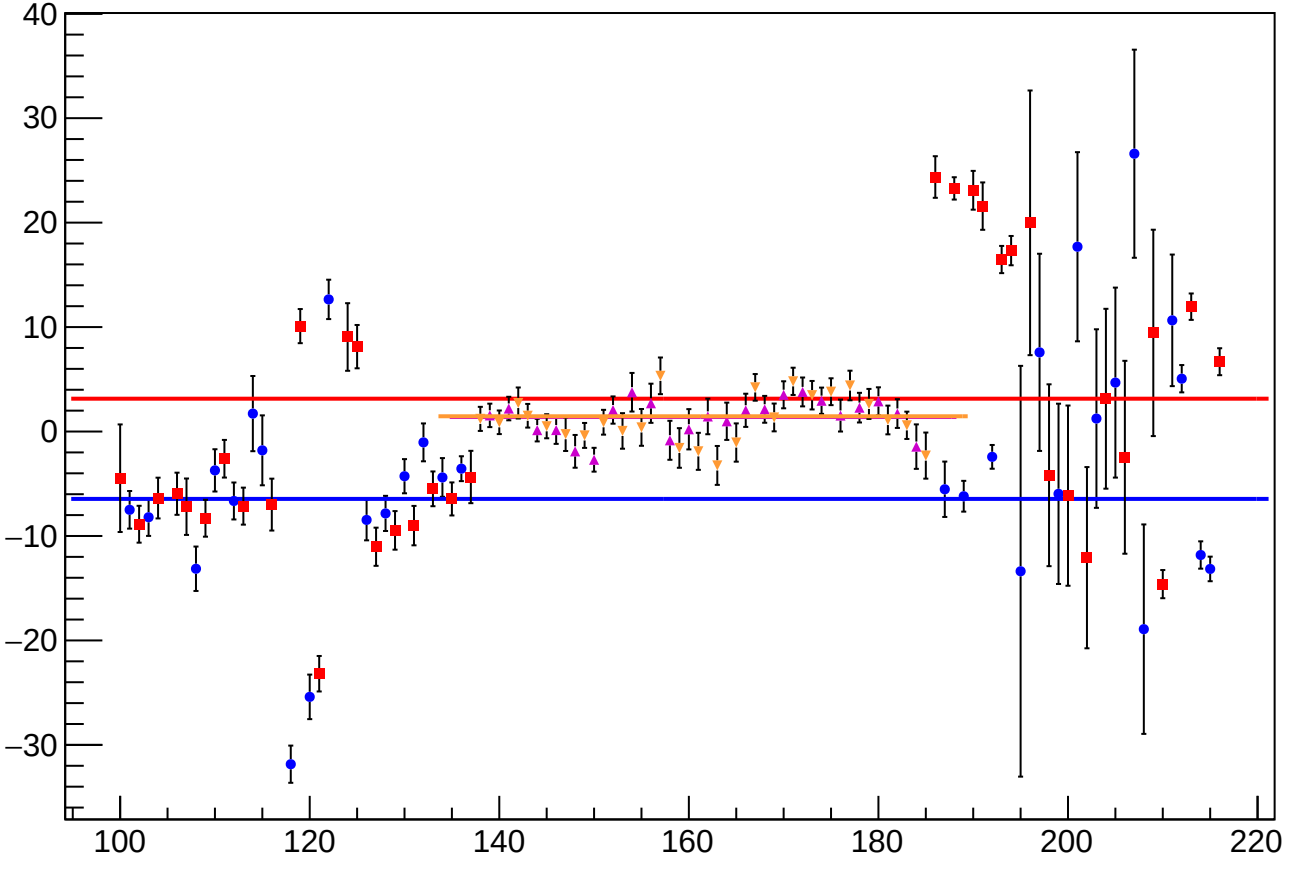
In: -7.052+/-1.473 χ^2/NDF:316.6/53

Out: -3.785+/-1.403 χ^2/NDF:500.9/59

All: -5.339+/-1.016 χ^2/NDF: 820.1/113


diff_bpm0l08X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 9075.358+/-1.504 χ²/NDF: 1762196.6/30
Left Out: 8578.396+/-1.392 χ²/NDF:343721.1/24
Right Out: 8665.970+/-1.414 χ²/NDF: 1339336.5/34
Left In: 8649.232+/-1.444 χ²/NDF:377932.0/22
Left: 8612.520+/-1.002 χ²/NDF: 722899.8/47
Right: 8858.142+/-1.030 χ²/NDF: 3140870.9/65
In: 8853.734+/-1.042 χ²/NDF:2181905.7/53
Out: 8621.504+/-0.992 χ²/NDF:1685004.8/59
All: 8731.985+/-0.718 χ²/NDF: 3892972.3/11

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: 3.144+/-0.324 χ^2/NDF: 1791.9/34

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

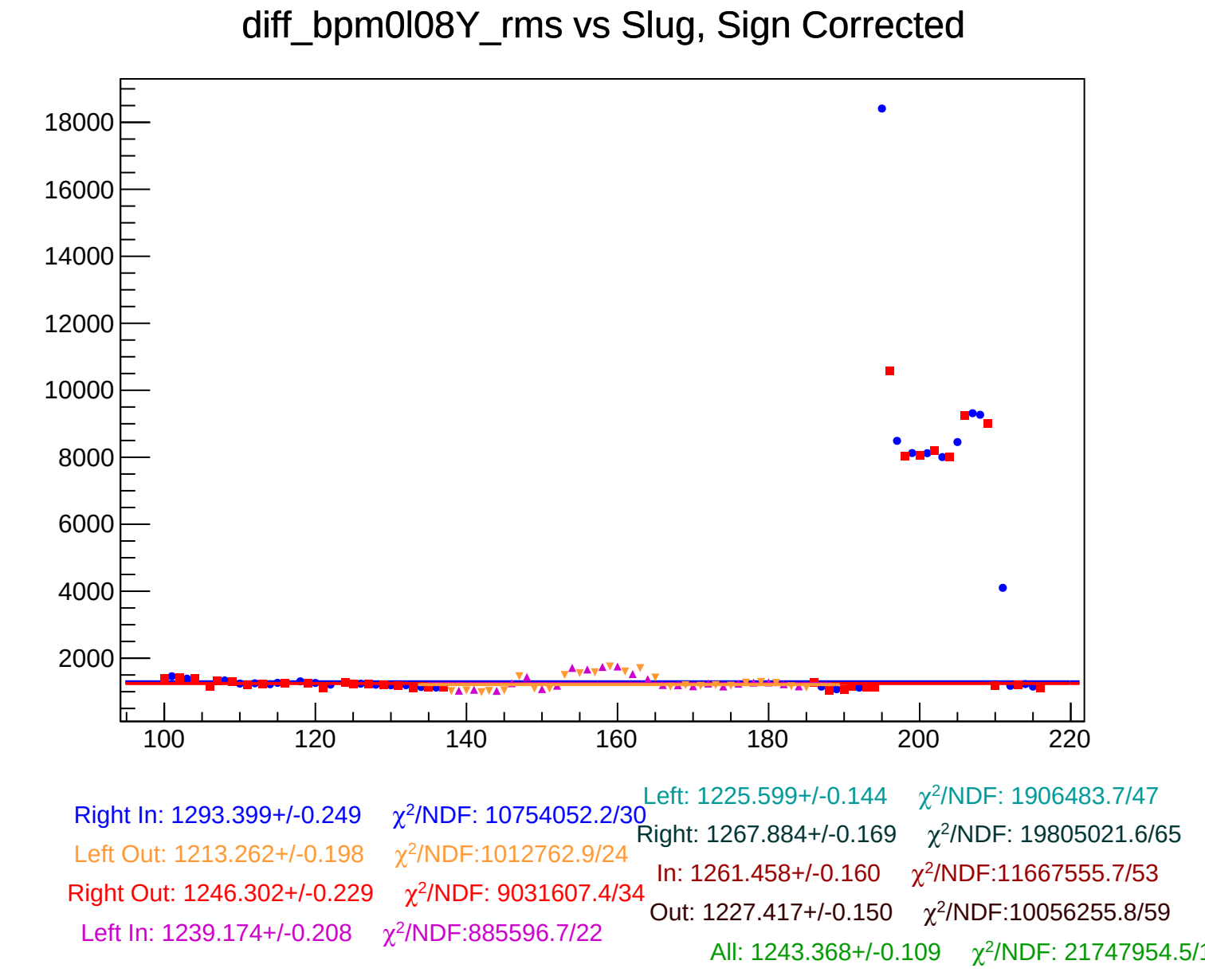
Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

Right: -1.252+/-0.238 χ^2/NDF: 2789.5/65

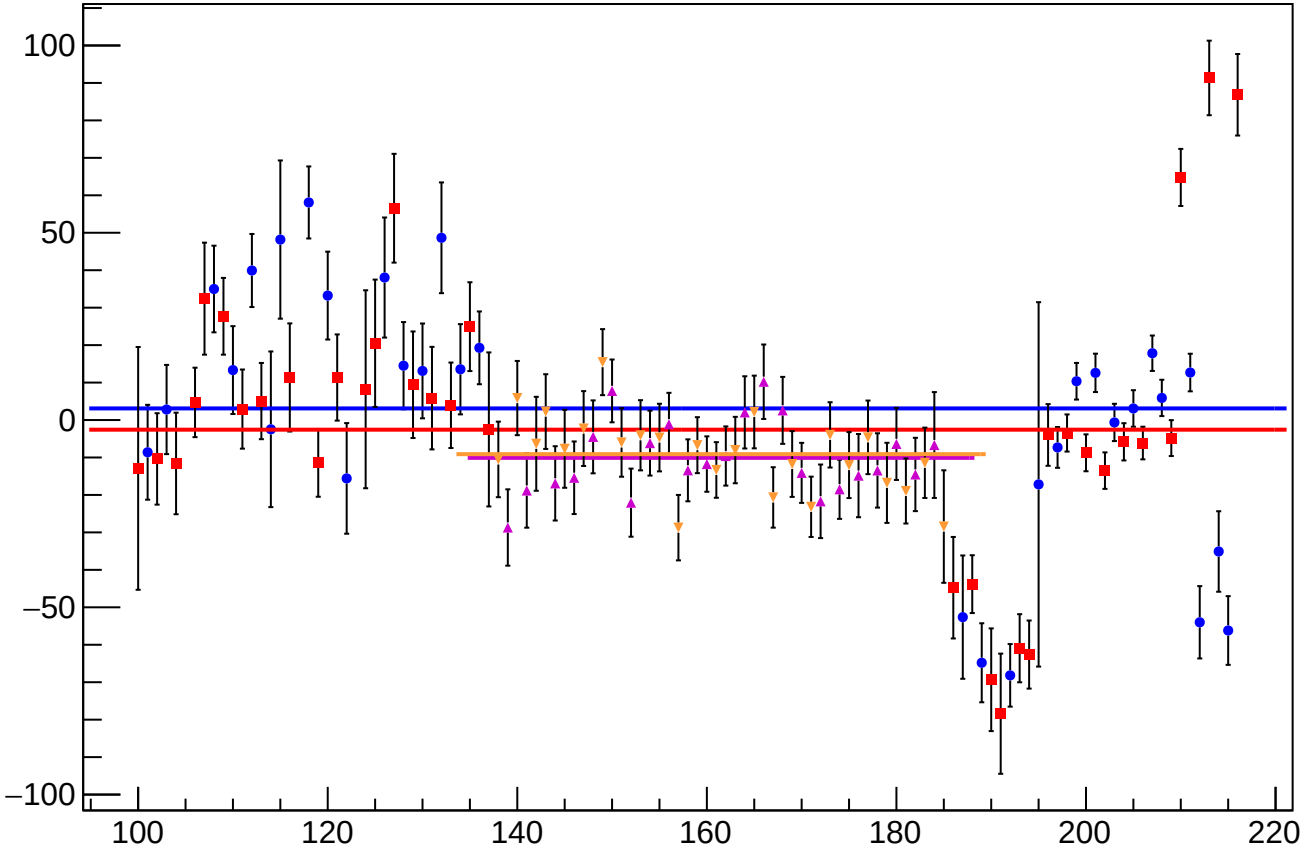
In: -1.832+/-0.226 χ^2/NDF:923.1/53

Out: 2.182+/-0.212 χ^2/NDF:1858.3/59

All: 0.301+/-0.155 χ^2/NDF: 2949.2/113


diff_bpm0l08Y_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1293.399+/-0.249 χ²/NDF: 10754052.2/30
Left Out: 1213.262+/-0.198 χ²/NDF:1012762.9/24
Right Out: 1246.302+/-0.229 χ²/NDF: 9031607.4/34
Left In: 1239.174+/-0.208 χ²/NDF:885596.7/22
Left: 1225.599+/-0.144 χ²/NDF: 1906483.7/47
Right: 1267.884+/-0.169 χ²/NDF: 19805021.6/65
In: 1261.458+/-0.160 χ²/NDF:11667555.7/53
Out: 1227.417+/-0.150 χ²/NDF:10056255.8/59
All: 1243.368+/-0.109 χ²/NDF: 21747954.5/

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: -2.576+/-1.435 χ^2/NDF: 457.0/34

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

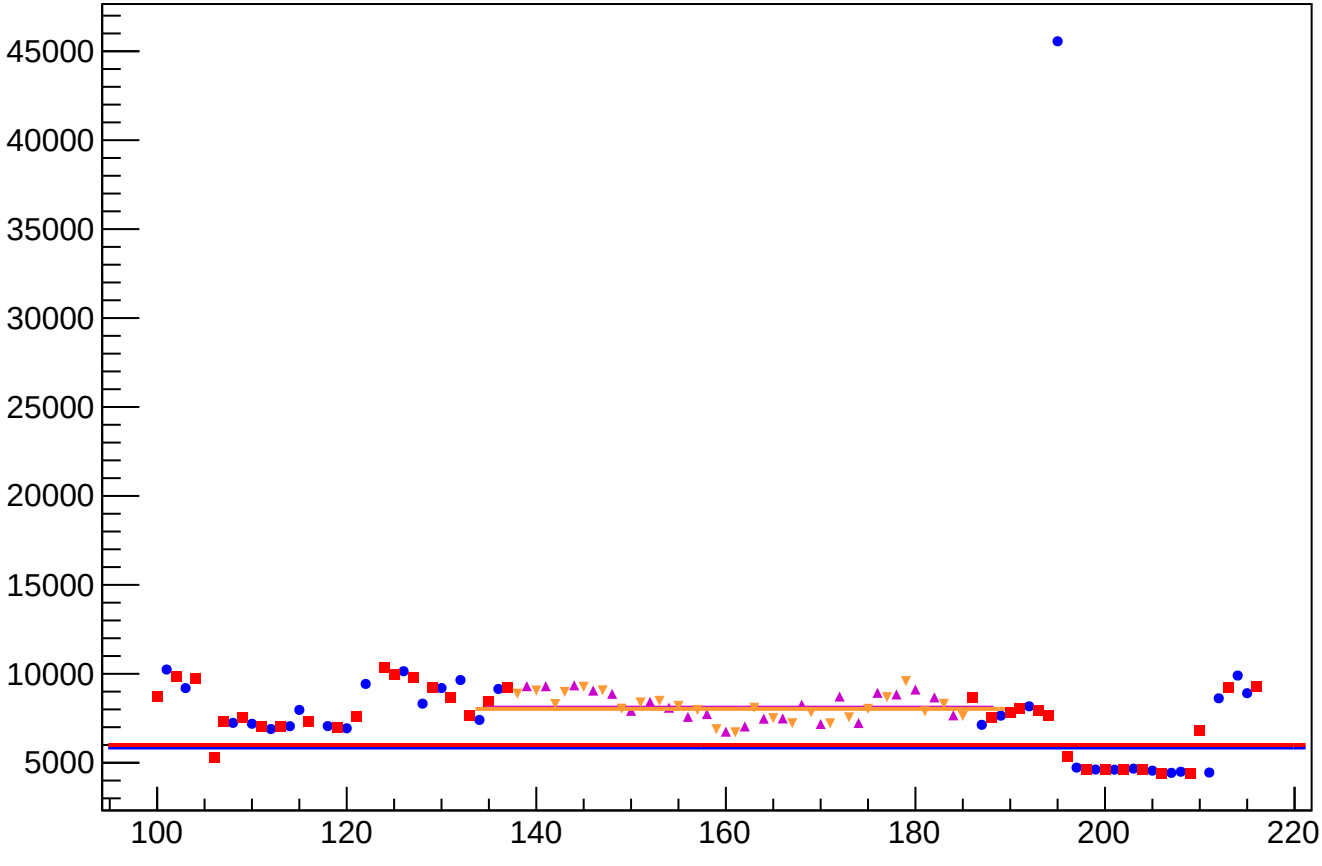
Right: 0.266+/-1.014 χ^2/NDF: 792.1/65

In: -1.649+/-1.147 χ^2/NDF:382.0/53

Out: -5.044+/-1.132 χ^2/NDF:493.6/59

All: -3.368+/-0.806 χ^2/NDF: 880.1/113

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 5856.948+/-1.013 χ^2/NDF: 4742314.4/30

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5997.487+/-1.015 χ^2/NDF: 3163258.6/34

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

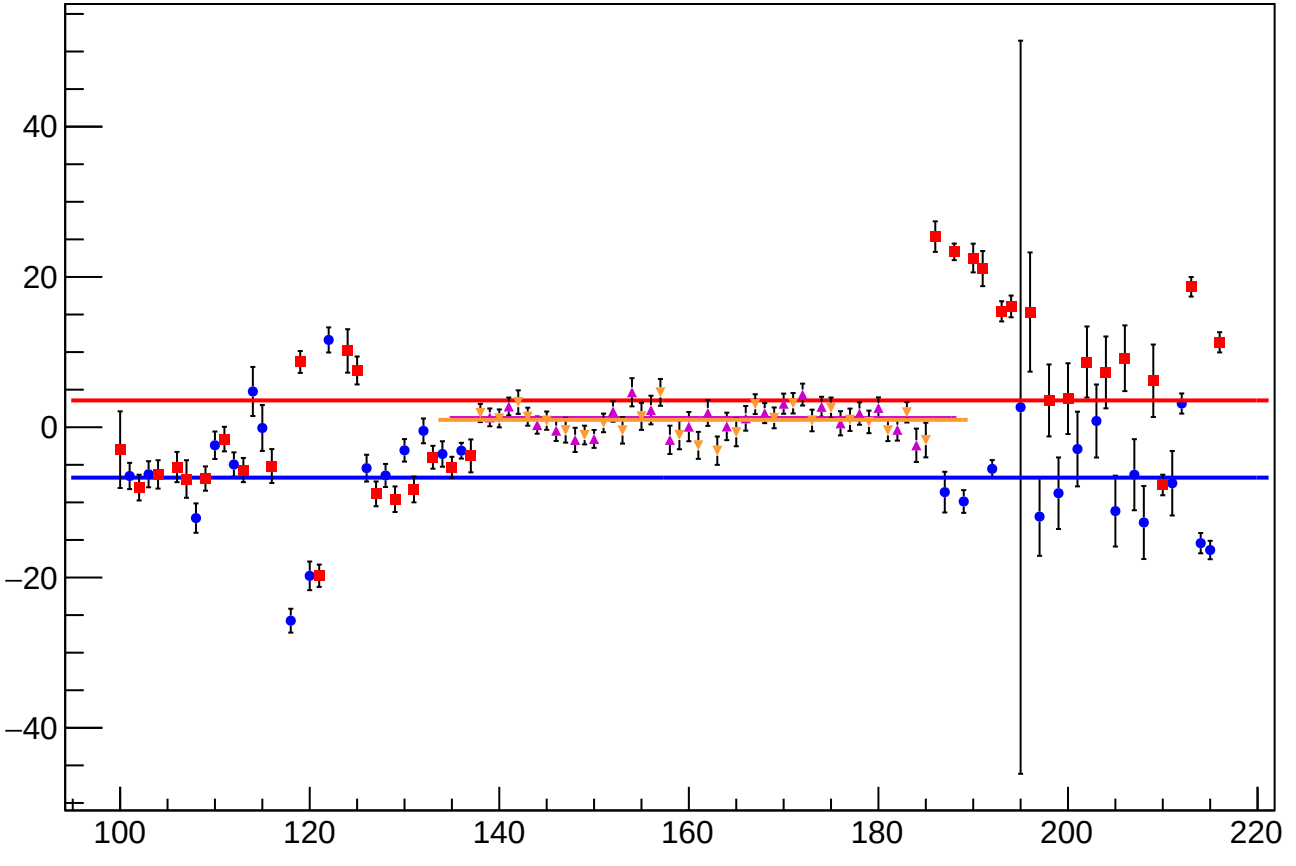
Right: 5927.133+/-0.717 χ^2/NDF: 7915178.4/65

In: 6662.530+/-0.811 χ^2/NDF:6865764.9/53

Out: 6764.052+/-0.800 χ^2/NDF:5007887.7/59

All: 6713.939+/-0.570 χ^2/NDF: 11881592.5/1

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: 3.570+/-0.309 χ^2/NDF: 1706.0/34

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

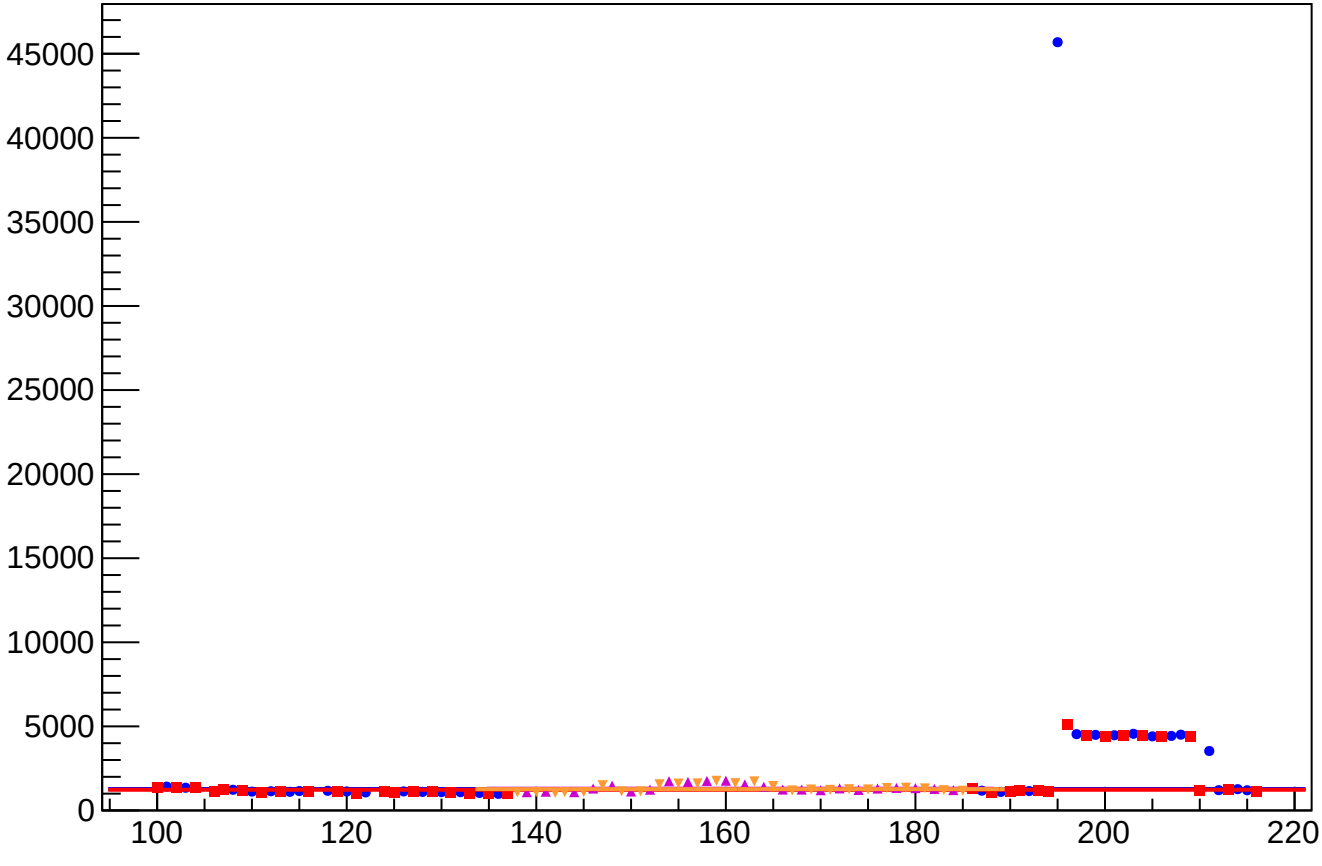
Right: -1.201+/-0.226 χ^2/NDF: 2767.1/65

In: -2.427+/-0.225 χ^2/NDF:888.8/53

Out: 2.207+/-0.212 χ^2/NDF:1773.8/59

All: 0.026+/-0.155 χ^2/NDF: 2886.6/113

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: 1230.992+/-0.219 χ^2/NDF: 6409619.8/34

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

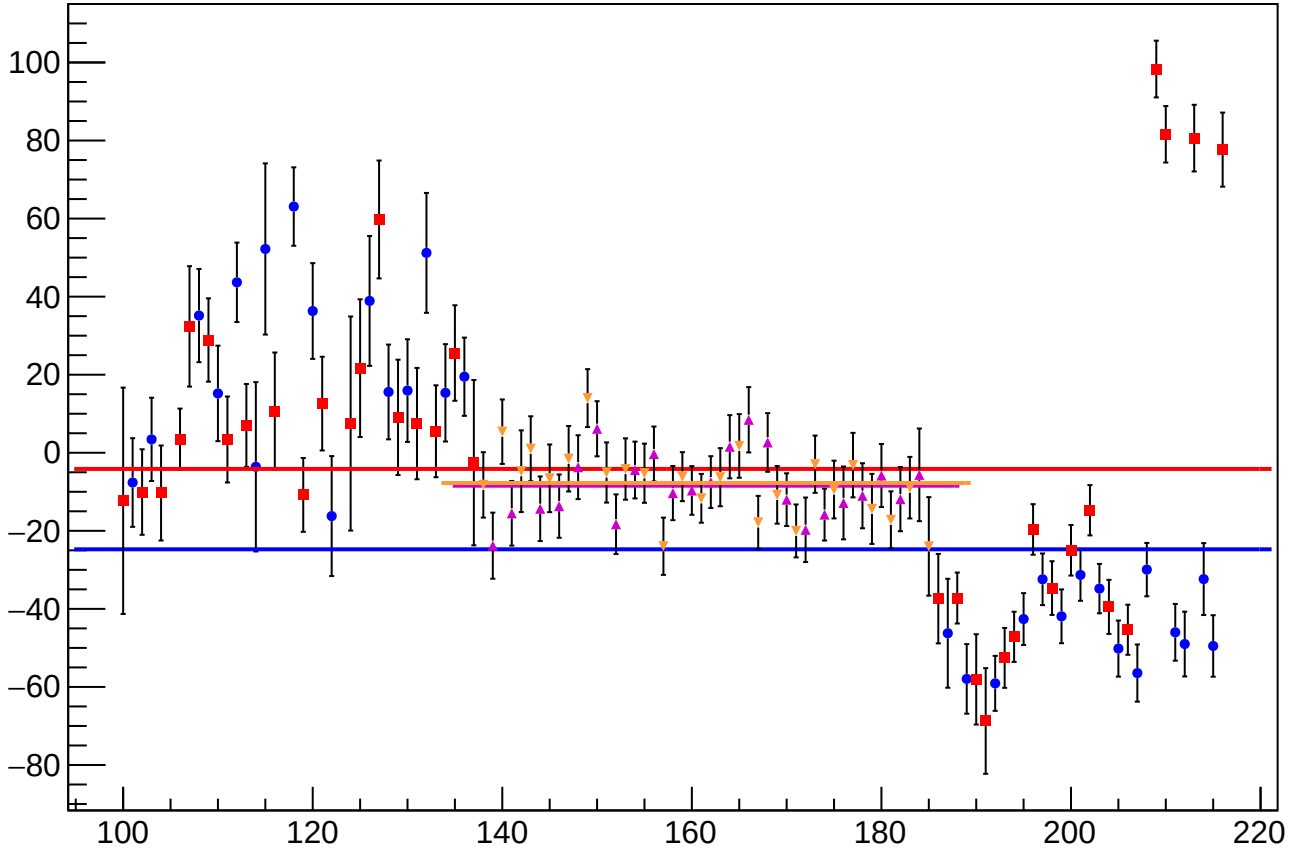
Right: 1250.767+/-0.160 χ^2/NDF: 15181625.4/65

In: 1284.648+/-0.159 χ^2/NDF:9516689.5/53

Out: 1250.216+/-0.150 χ^2/NDF:7302697.6/59

All: 1266.423+/-0.109 χ^2/NDF: 16844119.2/1

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: -4.143+/-1.570 χ^2/NDF: 831.1/34

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

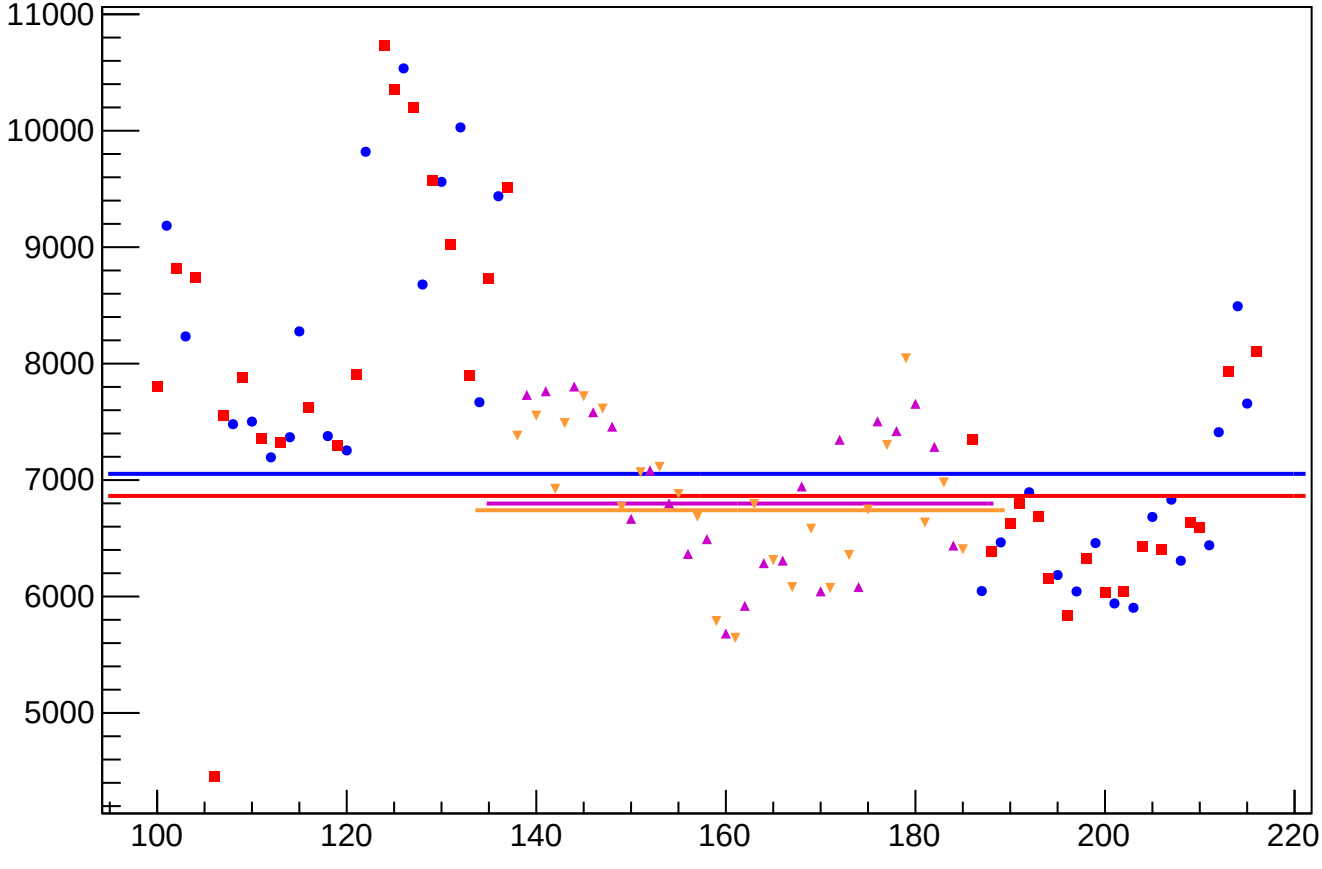
Right: -14.030+/-1.132 χ^2/NDF: 1326.0/65

In: -16.441+/-1.145 χ^2/NDF:487.8/53

Out: -5.975+/-1.102 χ^2/NDF:864.2/59

All: -11.007+/-0.794 χ^2/NDF: 1395.3/113

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: 6863.750+/-1.110 χ^2/NDF: 1033724.1/34

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

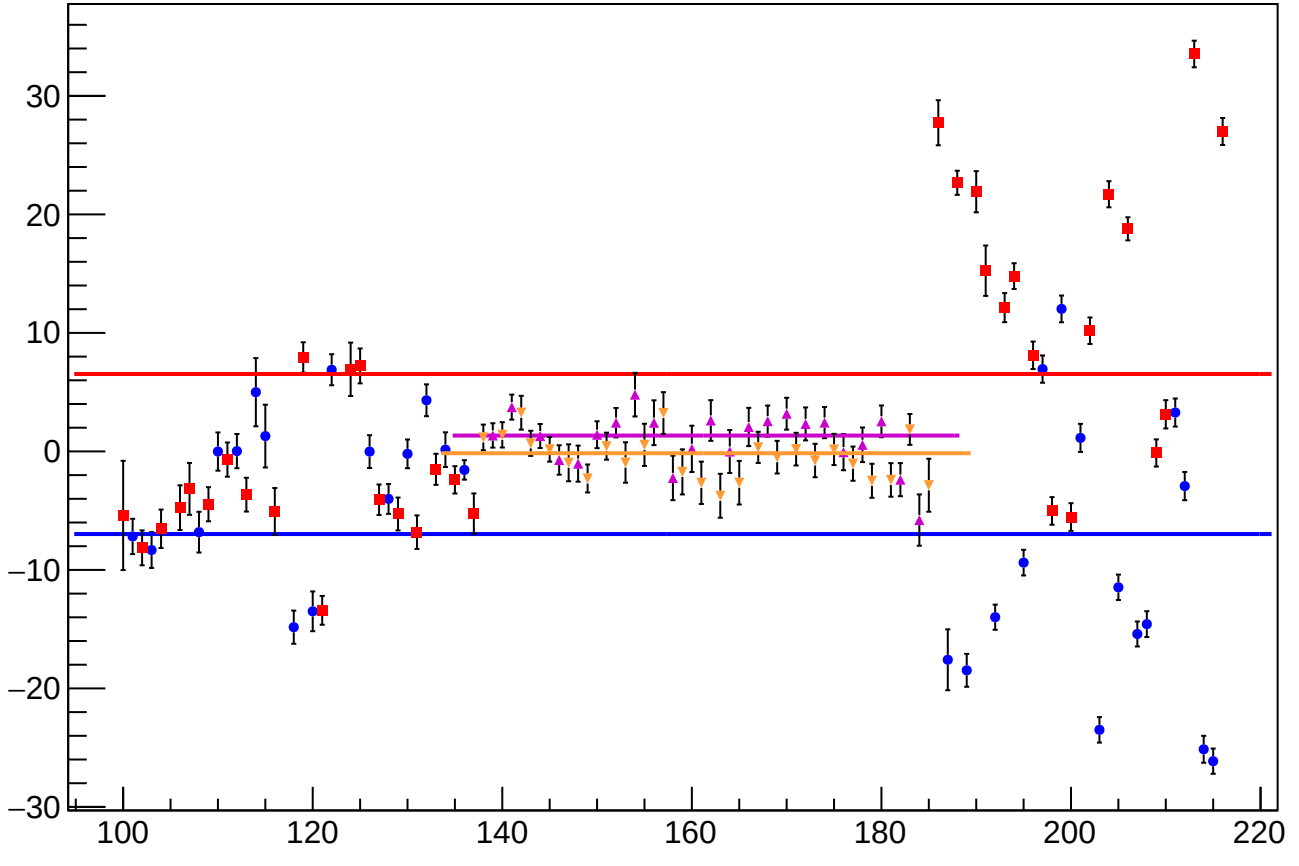
Right: 6954.792+/-0.800 χ^2/NDF: 1959273.3/65

In: 6923.659+/-0.810 χ^2/NDF:1289590.2/53

Out: 6801.370+/-0.779 χ^2/NDF:1356653.0/59

All: 6860.172+/-0.561 χ^2/NDF: 2658090.3/11

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: 6.531+/-0.226 χ^2/NDF: 3099.6/34

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

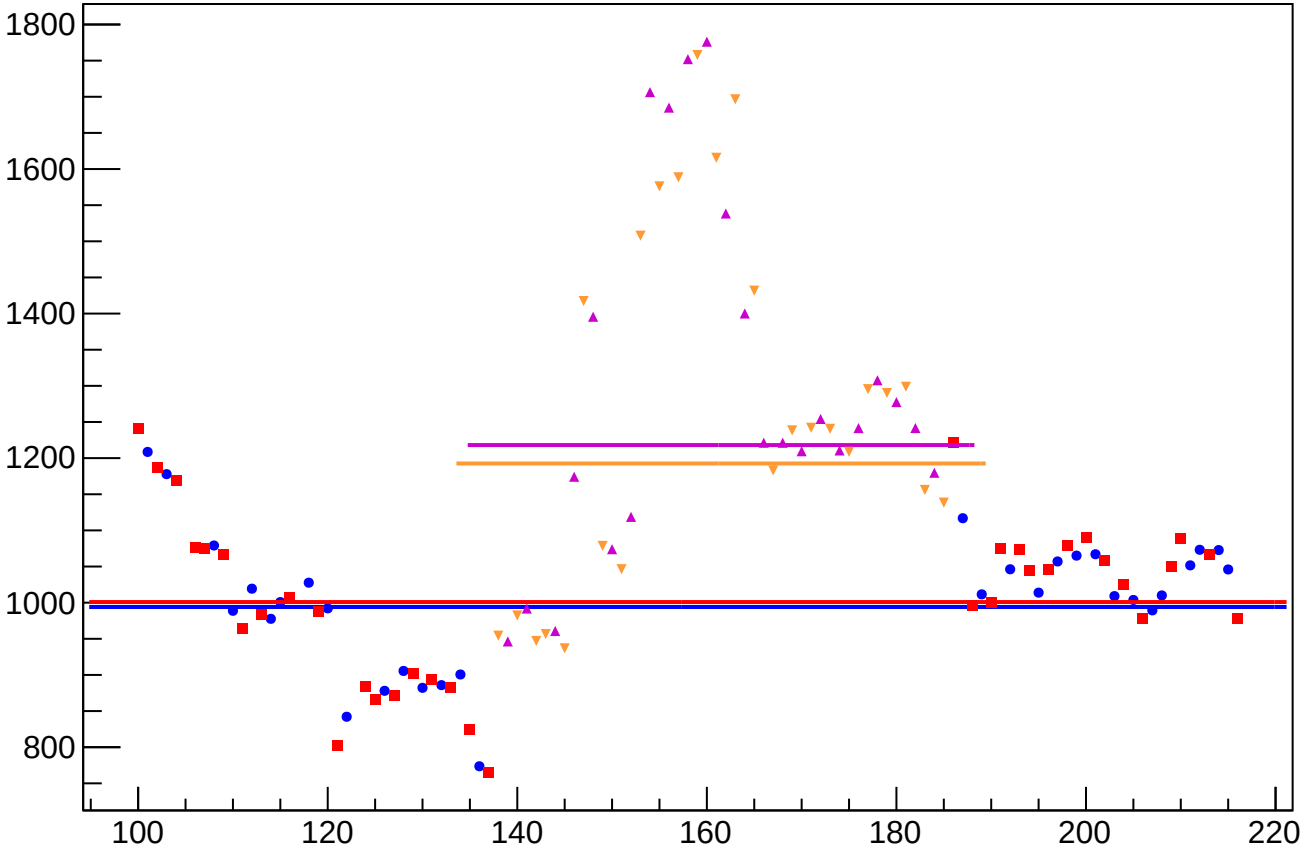
Right: -0.182+/-0.160 χ^2/NDF: 6943.7/65

In: -3.812+/-0.179 χ^2/NDF:2622.3/53

Out: 3.856+/-0.175 χ^2/NDF:3485.5/59

All: 0.106+/-0.125 χ^2/NDF: 7045.9/113

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: 1000.851+/-0.160 χ^2/NDF: 383085.8/34

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

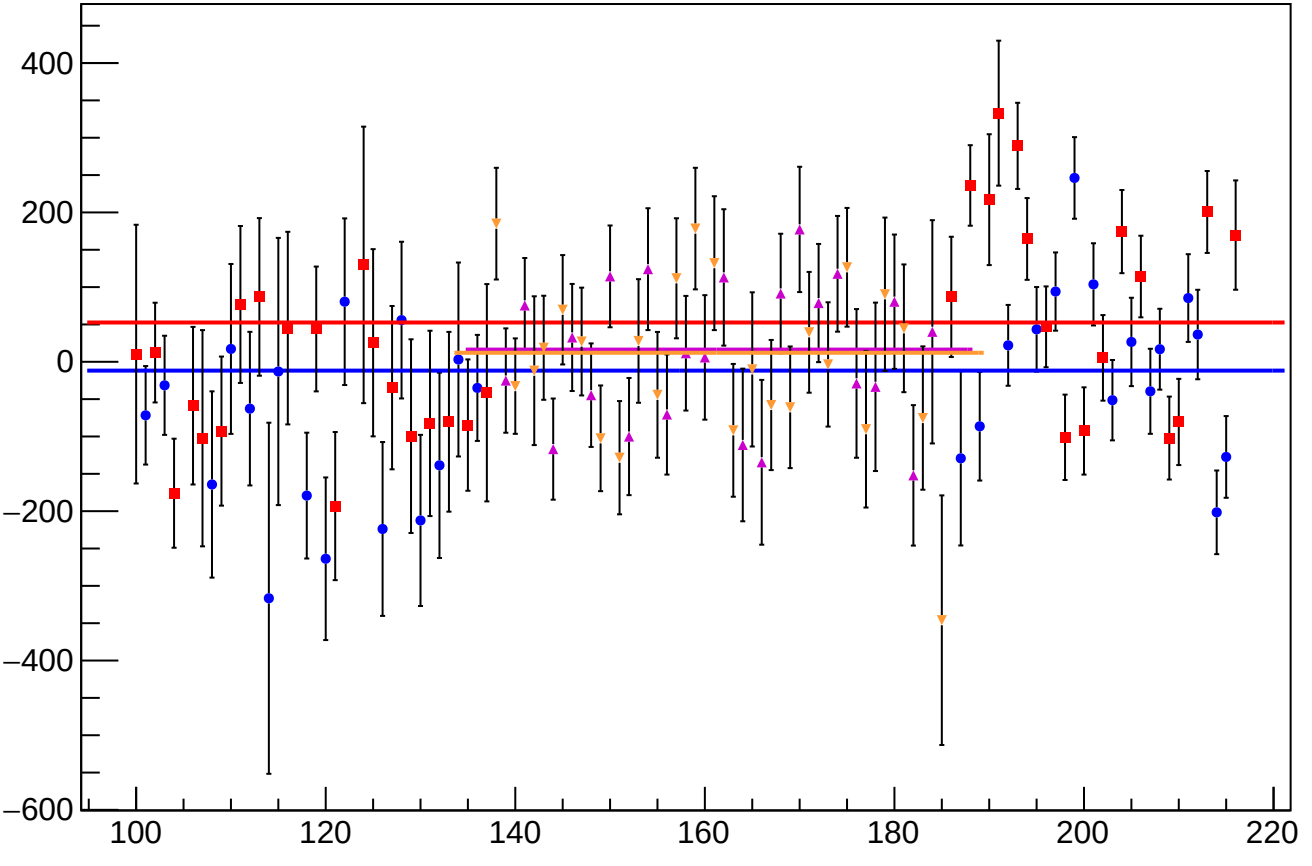
Right: 997.442+/-0.113 χ^2/NDF: 755942.0/65

In: 1079.236+/-0.127 χ^2/NDF:2238757.5/53

Out: 1077.598+/-0.124 χ^2/NDF:2279115.6/59

All: 1078.399+/-0.088 χ^2/NDF: 4517958.8/11

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: 52.619+/-12.771 χ^2/NDF: 116.1/34

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

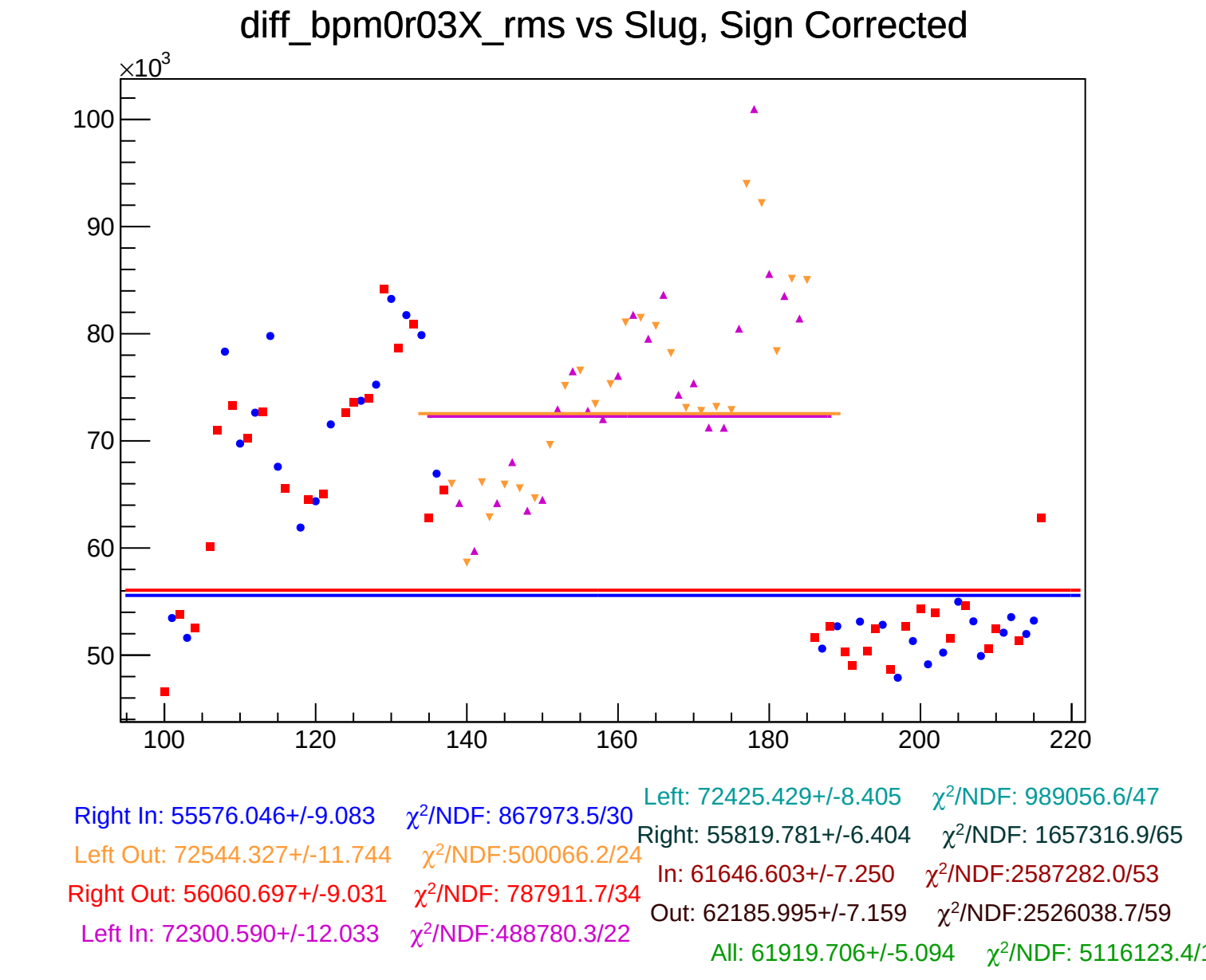
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 20.593+/-9.057 χ^2/NDF: 206.1/65

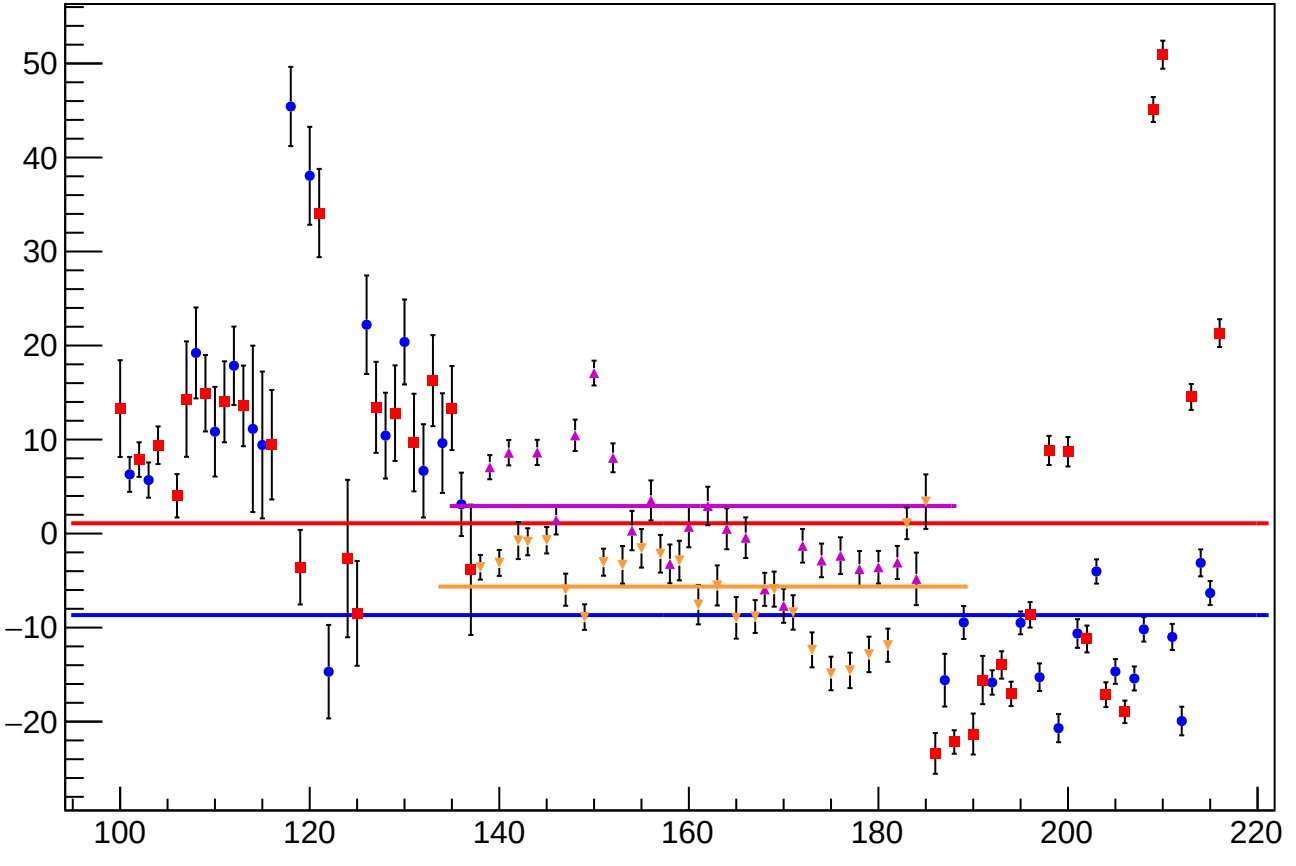
In: -1.591+/-10.253 χ^2/NDF:107.8/53

Out: 37.555+/-10.124 χ^2/NDF:152.7/59

All: 18.229+/-7.204 χ^2/NDF: 267.8/113


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
220
Right In: 55576.046+/-9.083 χ²/NDF: 867973.5/30
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 56060.697+/-9.031 χ²/NDF: 787911.7/34
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 55819.781+/-6.404 χ²/NDF: 1657316.9/65
In: 61646.603+/-7.250 χ²/NDF:2587282.0/53
Out: 62185.995+/-7.159 χ²/NDF:2526038.7/59
All: 61919.706+/-5.094 χ²/NDF: 5116123.4/

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: 1.095+/-0.337 χ^2/NDF: 4225.5/34

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

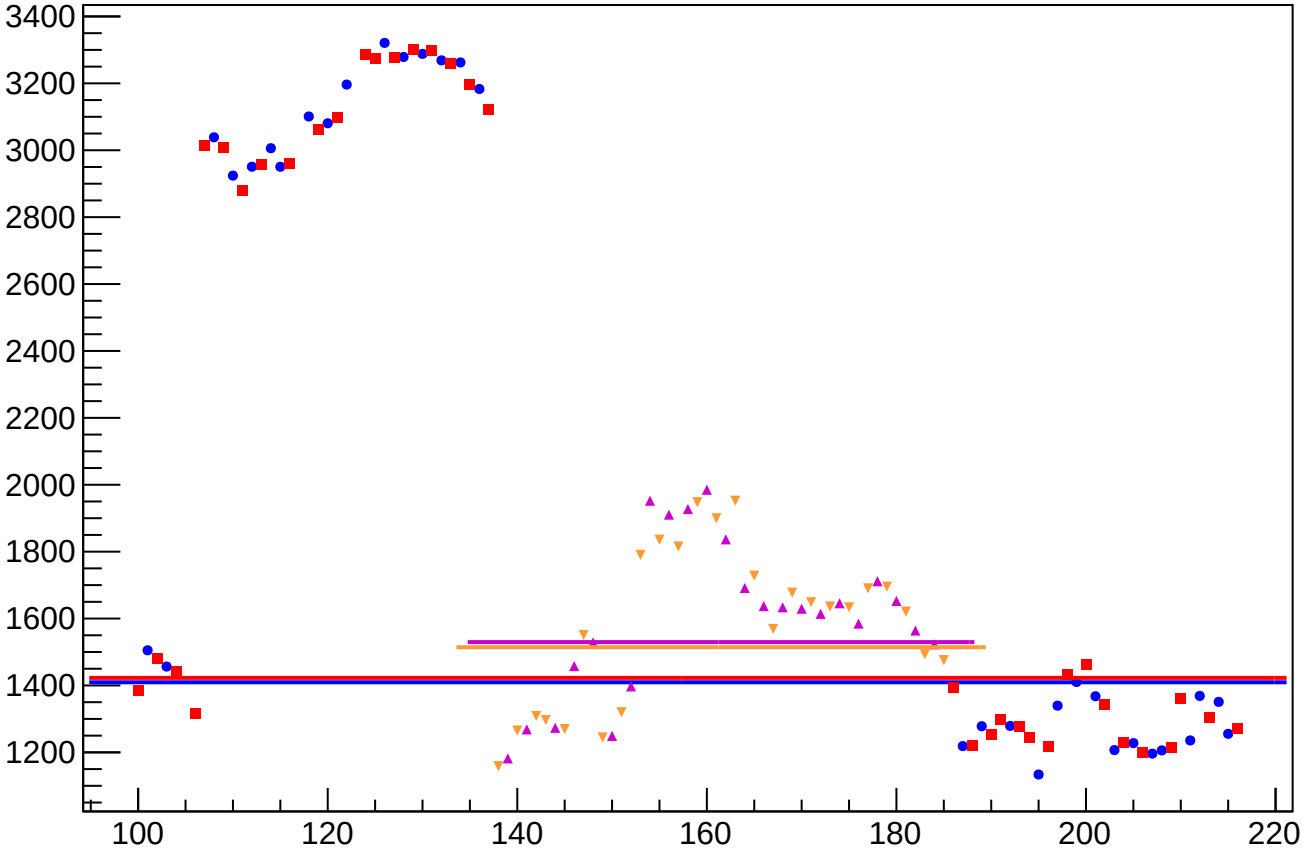
Right: -3.754+/-0.239 χ^2/NDF: 5503.1/65

In: -3.246+/-0.248 χ^2/NDF:1744.3/53

Out: -2.154+/-0.243 χ^2/NDF:4596.0/59

All: -2.689+/-0.173 χ^2/NDF: 6350.2/113

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: 1422.690+/-0.238 χ^2/NDF: 3917479.4/34

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

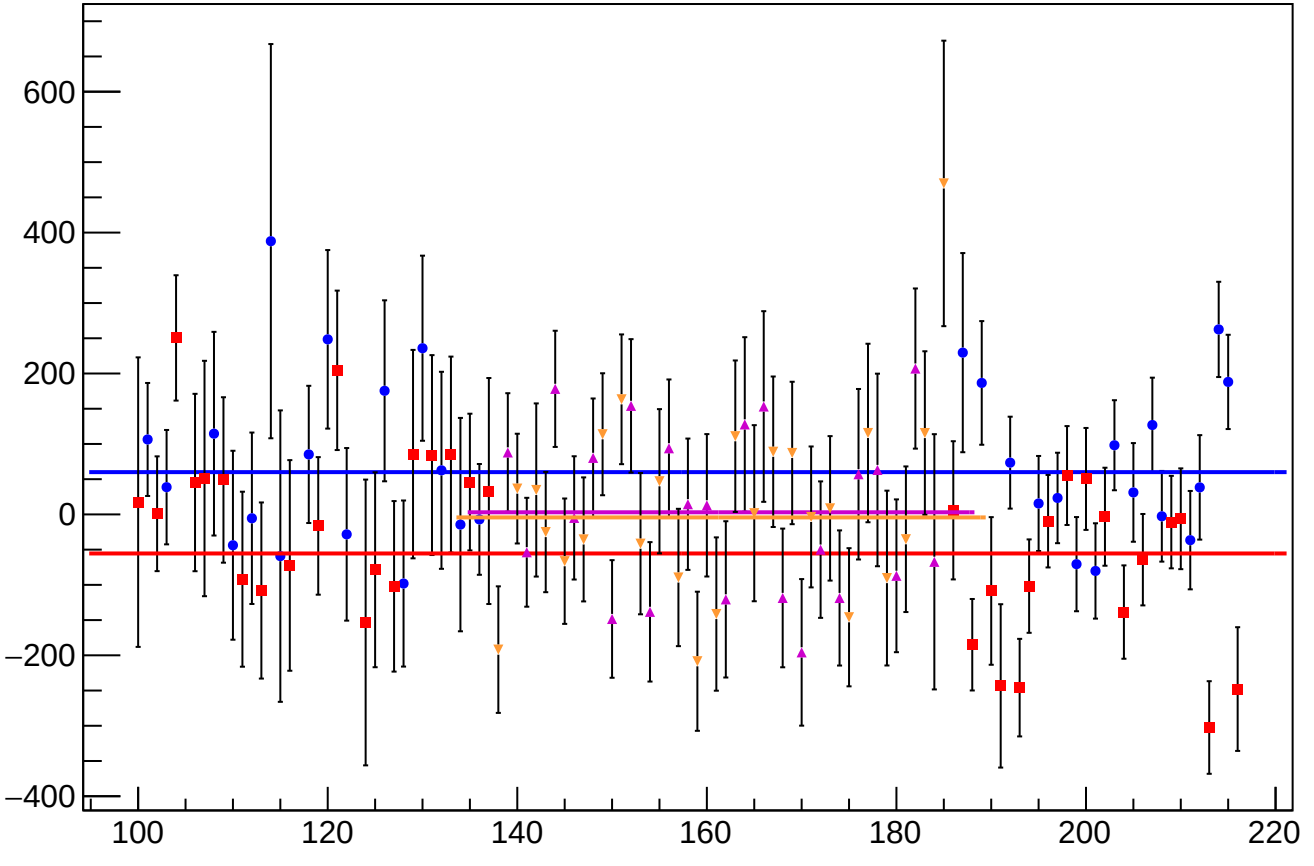
Right: 1416.134+/-0.169 χ^2/NDF: 7990905.2/65

In: 1465.671+/-0.175 χ^2/NDF:5017497.7/53

Out: 1466.933+/-0.171 χ^2/NDF:4922128.1/59

All: 1466.316+/-0.123 χ^2/NDF: 9939652.3/11

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: -55.438+/-15.257 χ^2/NDF: 67.1/34

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

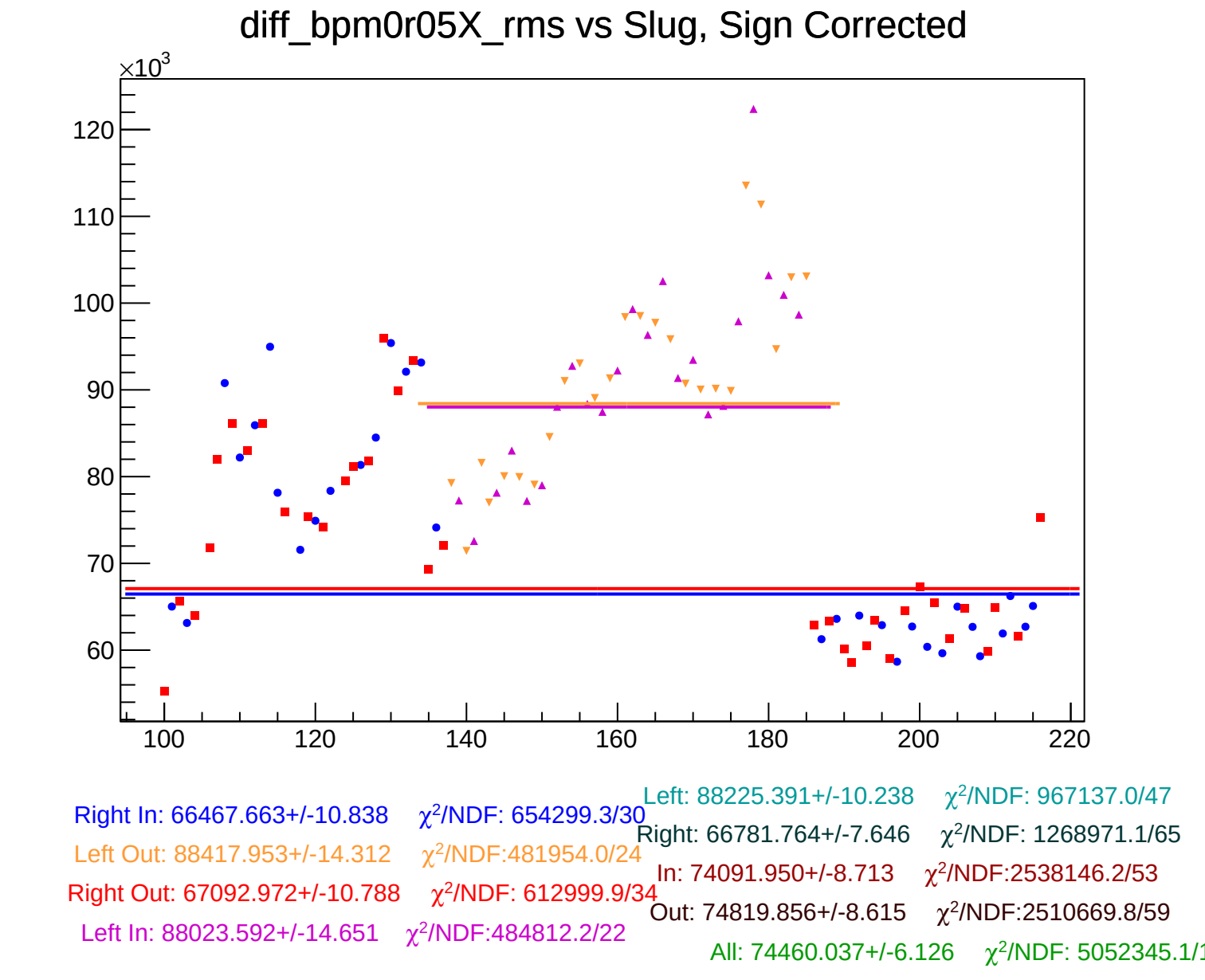
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 2.020+/-10.813 χ^2/NDF: 136.5/65

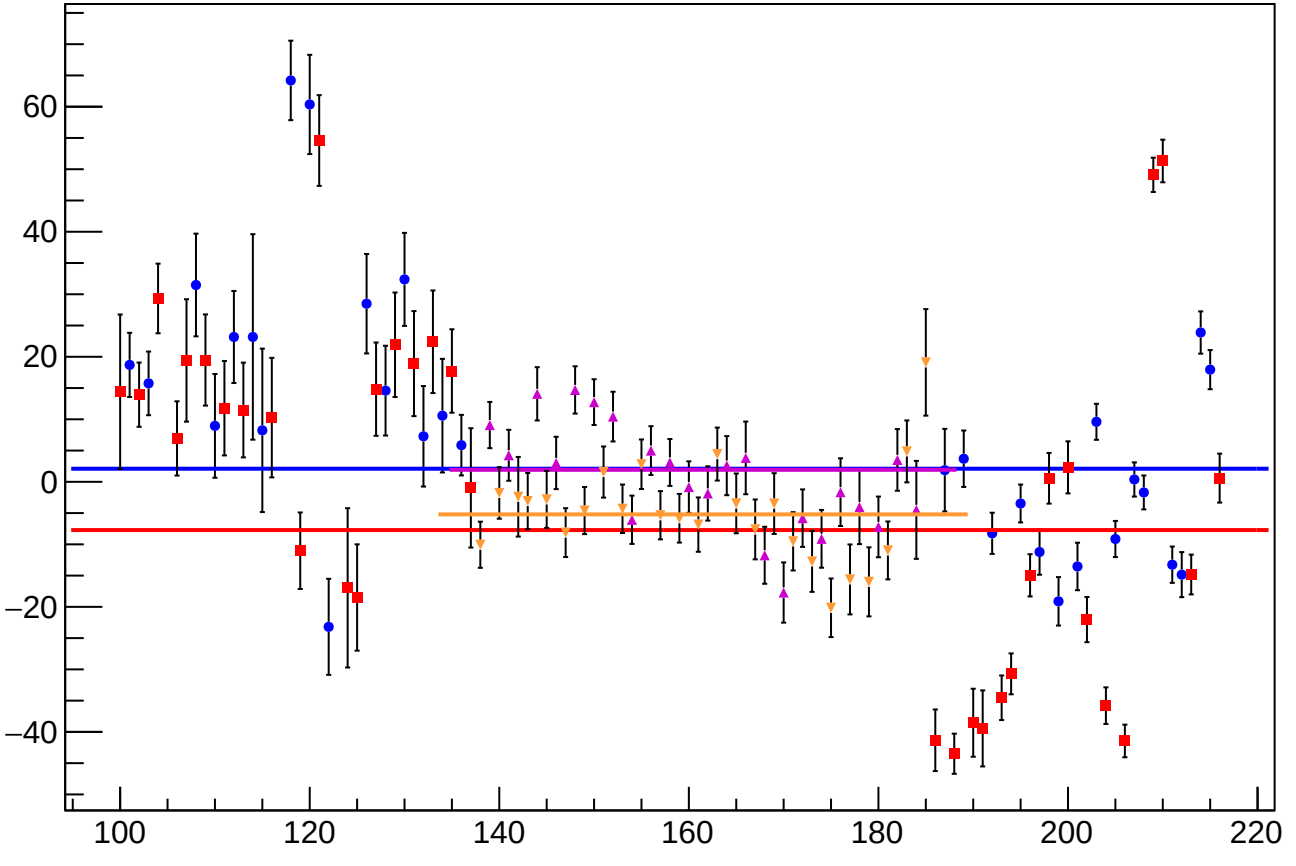
In: 39.854+/-12.323 χ^2/NDF:76.5/53

Out: -36.899+/-12.183 χ^2/NDF:101.7/59

All: 1.041+/-8.664 χ^2/NDF: 197.7/113


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: 67092.972+/-10.788 χ²/NDF: 612999.9/34
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 66781.764+/-7.646 χ²/NDF: 1268971.1/65
In: 74091.950+/-8.713 χ²/NDF:2538146.2/53
Out: 74819.856+/-8.615 χ²/NDF:2510669.8/59
All: 74460.037+/-6.126 χ²/NDF: 5052345.1/1

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: -7.718+/-0.781 χ^2/NDF: 1610.6/34

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

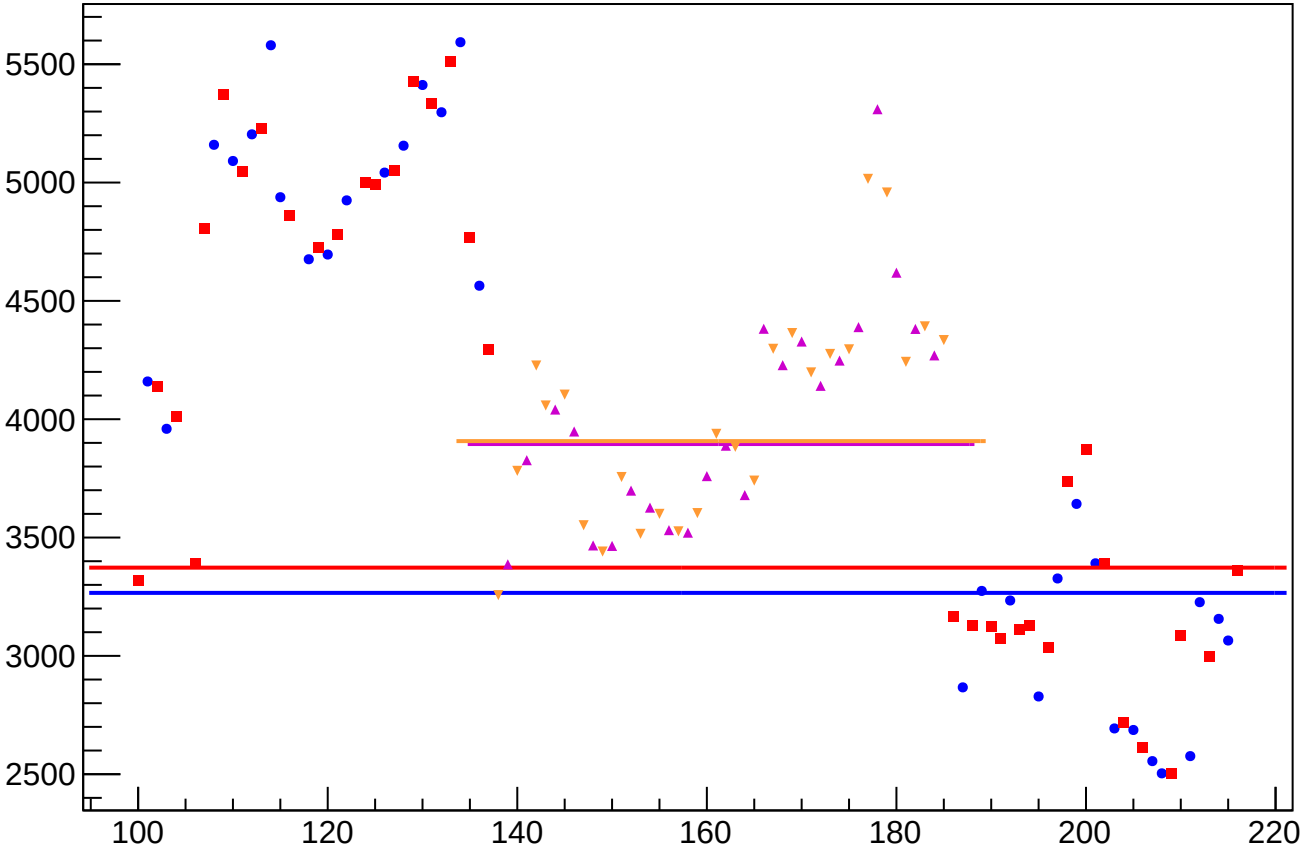
Right: -2.733+/-0.548 χ^2/NDF: 2139.8/65

In: 2.025+/-0.589 χ^2/NDF:532.1/53

Out: -6.631+/-0.588 χ^2/NDF:1666.1/59

All: -2.309+/-0.416 χ^2/NDF: 2306.5/113

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3266.183+/-0.543 χ^2/NDF: 2222105.1/30

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3372.828+/-0.552 χ^2/NDF: 2004362.5/34

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

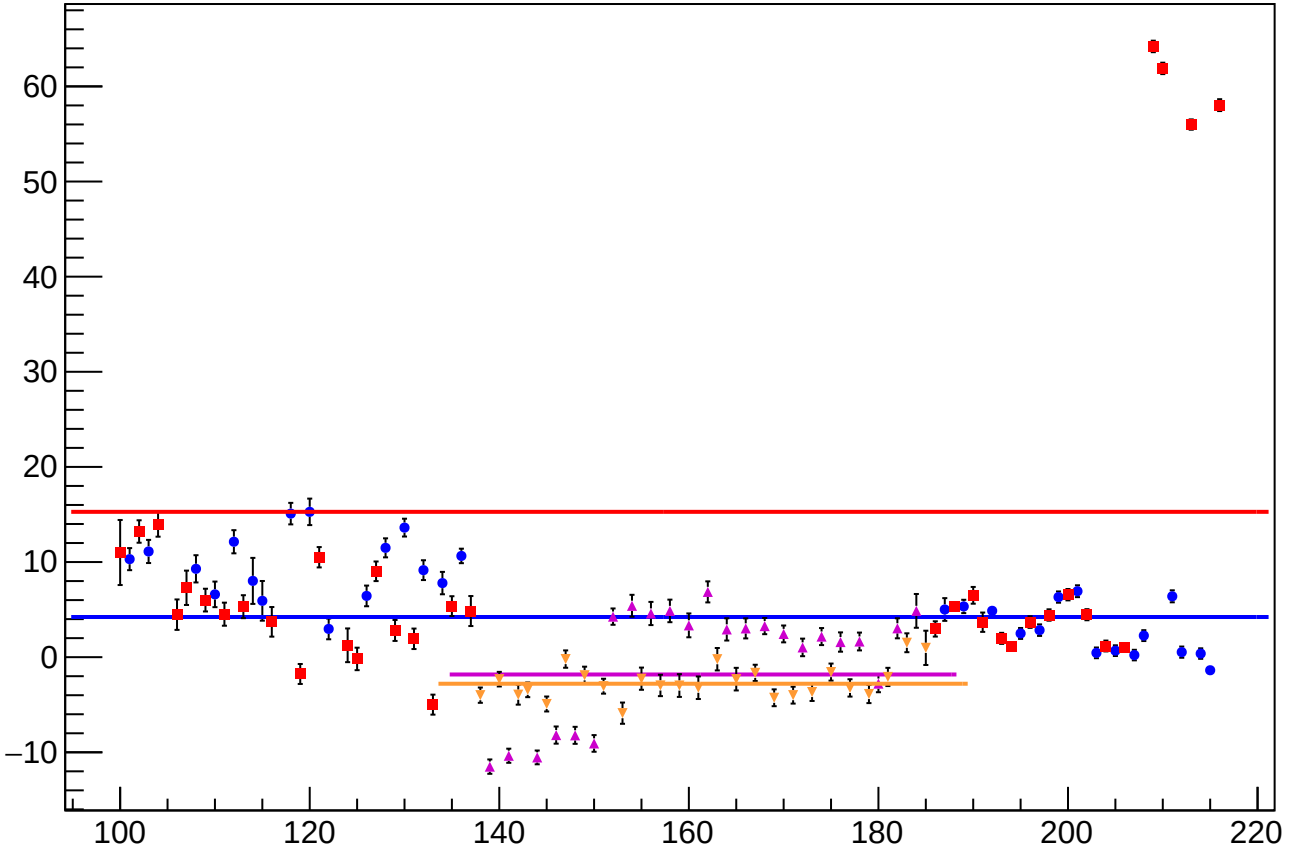
Right: 3318.658+/-0.387 χ^2/NDF: 4245433.1/65

In: 3525.786+/-0.416 χ^2/NDF:3185346.9/53

Out: 3604.122+/-0.416 χ^2/NDF:2851540.6/59

All: 3565.005+/-0.294 χ^2/NDF: 6054618.0/11

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: 15.278+/-0.134 χ^2/NDF: 29266.0/34

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

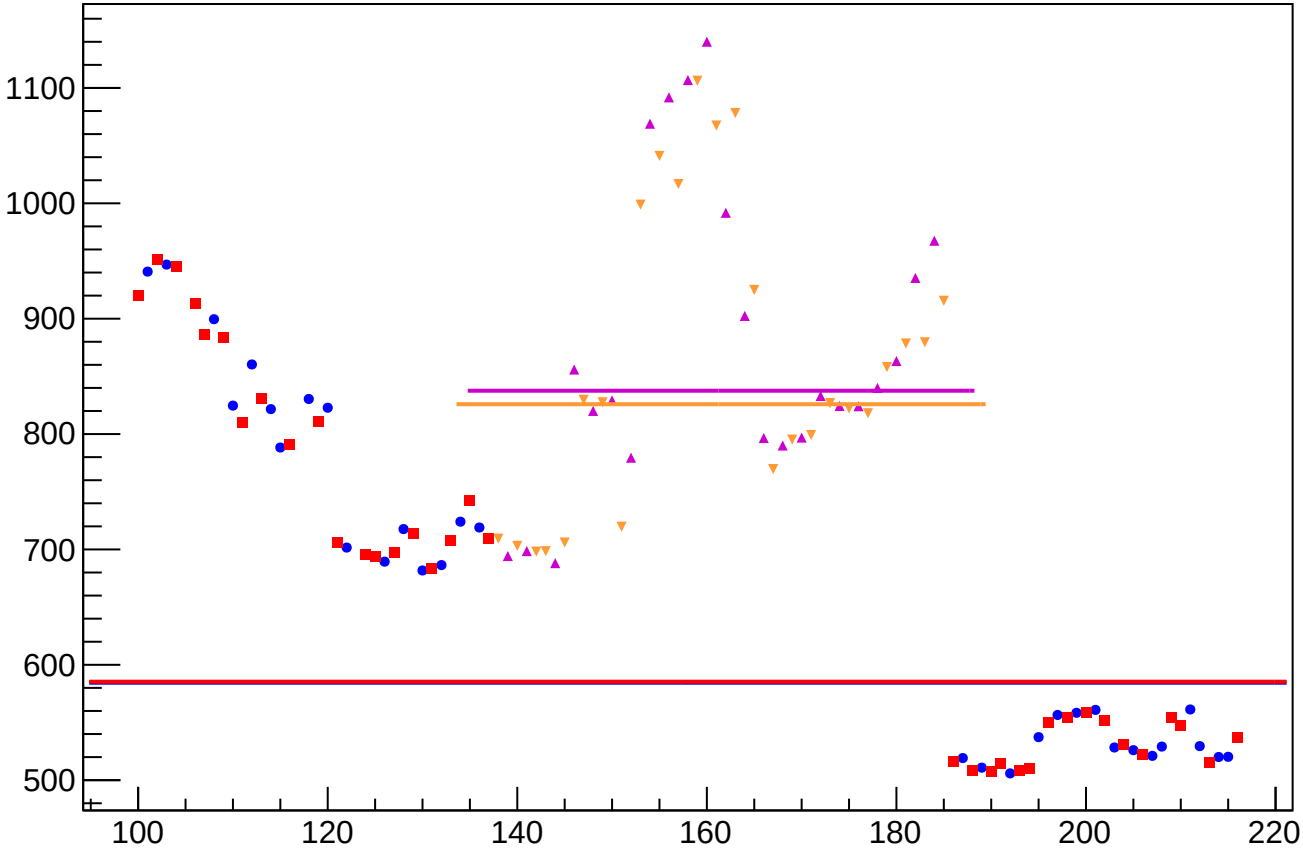
Right: 9.809+/-0.095 χ^2/NDF: 33585.3/65

In: 2.301+/-0.112 χ^2/NDF:2606.9/53

Out: 9.284+/-0.109 χ^2/NDF:35375.1/59

All: 5.865+/-0.078 χ^2/NDF: 39974.9/113

diff_bpm2i01X_rms vs Slug, Sign Corrected



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: 585.360+/-0.095 χ^2/NDF: 1396896.3/34

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

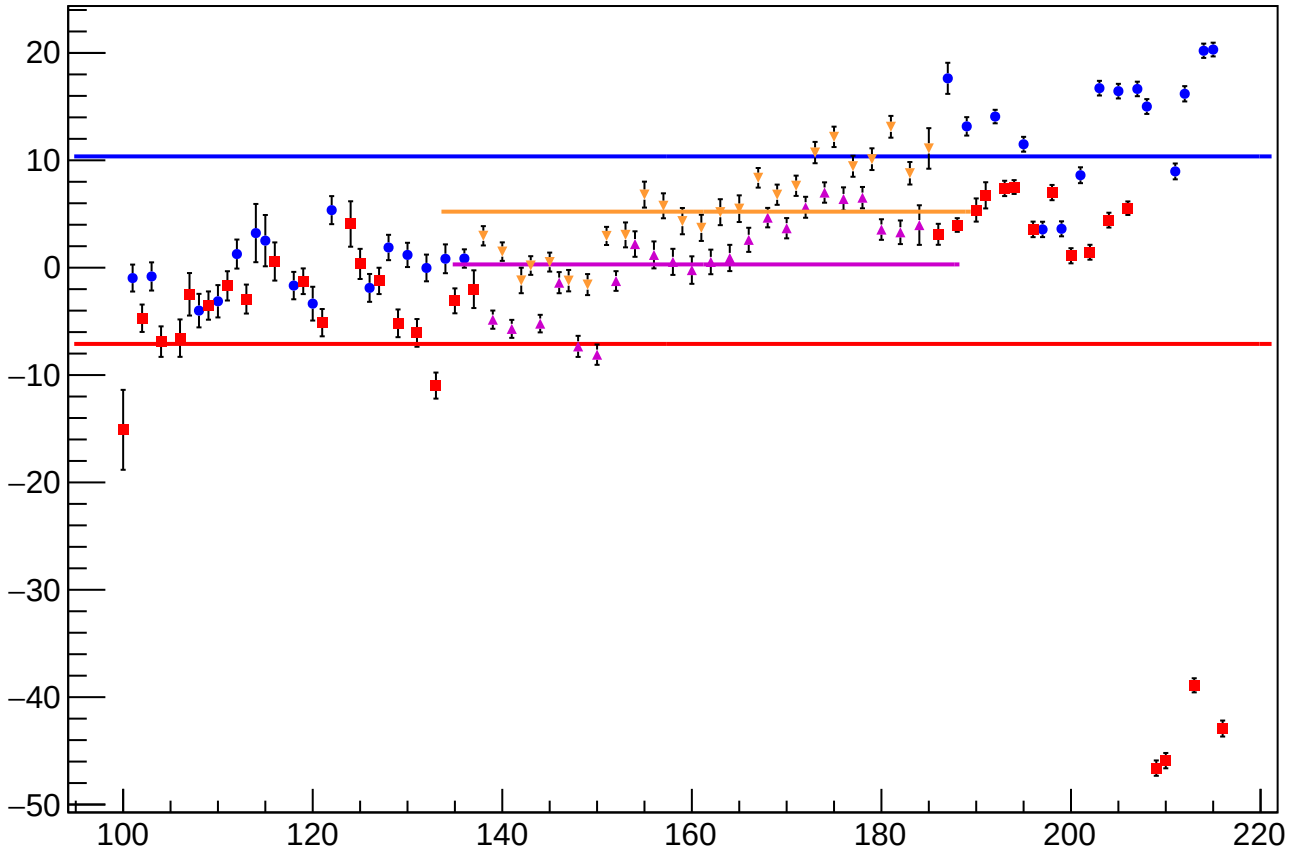
Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

Right: 584.929+/-0.067 χ^2/NDF: 2688780.9/65

In: 664.973+/-0.079 χ^2/NDF:4230614.9/53

Out: 665.139+/-0.077 χ^2/NDF:4302319.0/59

All: 665.058+/-0.055 χ^2/NDF: 8532936.2/113



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: -7.101+/-0.159 χ^2/NDF: 14032.0/34

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

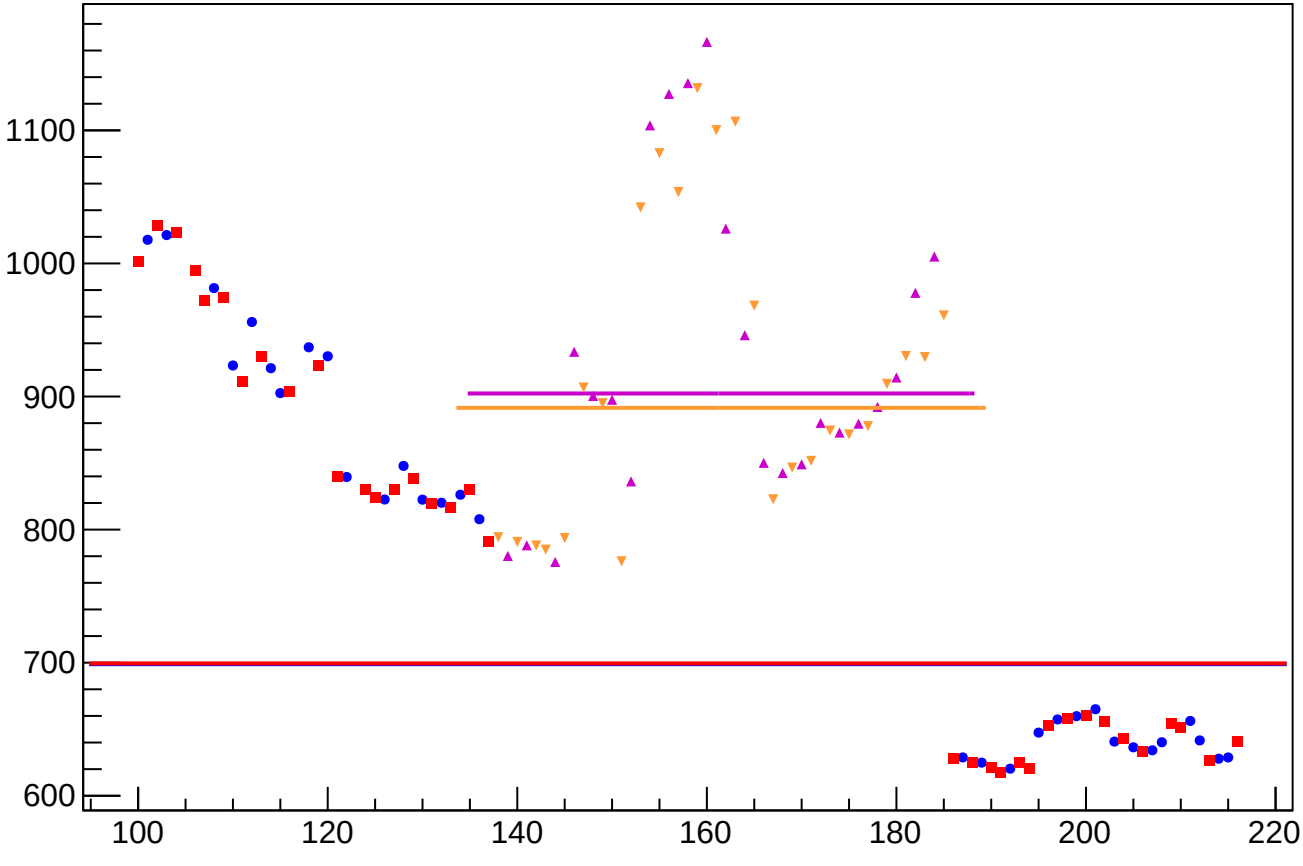
Right: 1.532+/-0.113 χ^2/NDF: 22077.5/65

In: 6.696+/-0.128 χ^2/NDF:4018.7/53

Out: -2.446+/-0.126 χ^2/NDF:16742.8/59

All: 2.025+/-0.090 χ^2/NDF: 23351.3/113

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: 699.472+/-0.113 χ^2/NDF: 1024845.8/34

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

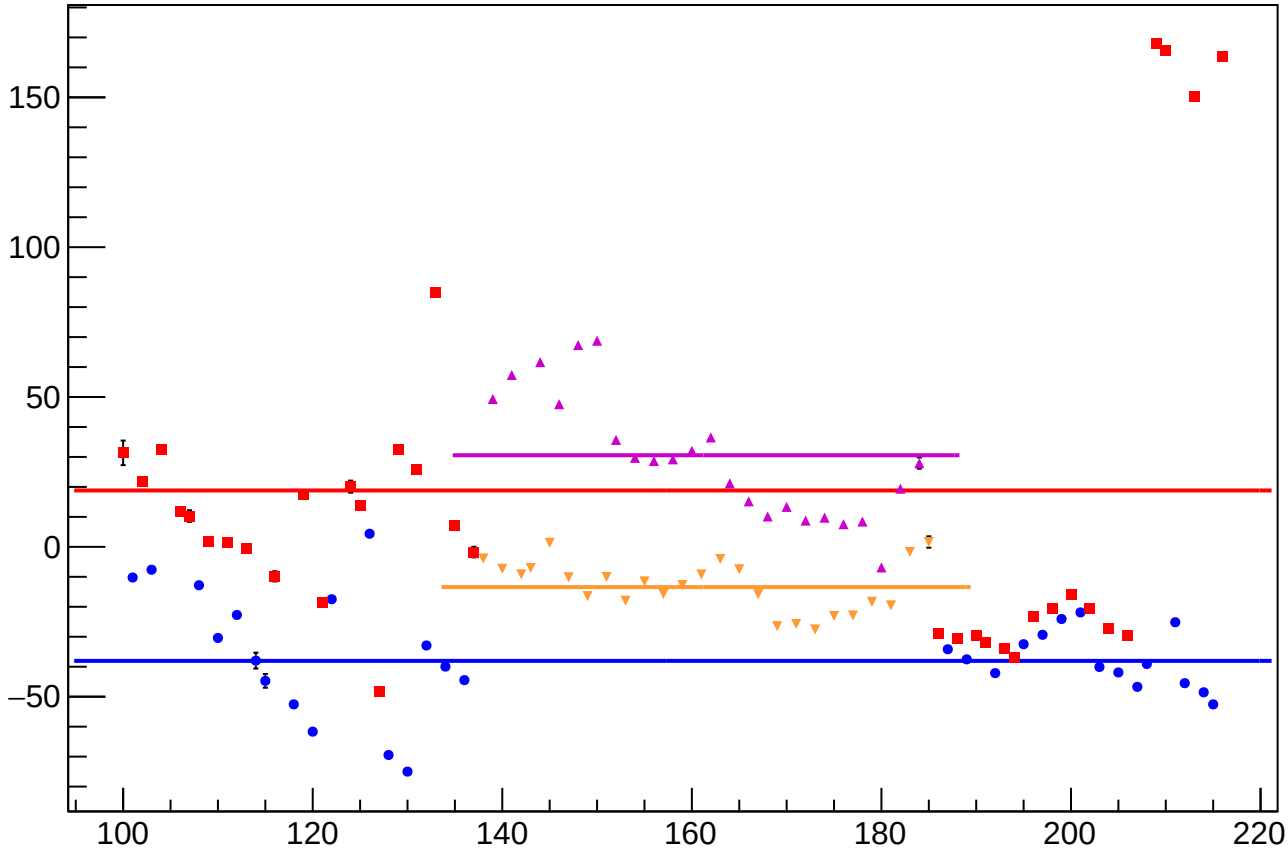
Right: 699.182+/-0.080 χ^2/NDF: 1973582.7/65

In: 773.051+/-0.091 χ^2/NDF:2596252.6/53

Out: 772.024+/-0.089 χ^2/NDF:2641122.8/59

All: 772.526+/-0.063 χ^2/NDF: 5237440.8/113

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: 18.817+/-0.157 χ^2/NDF: 218379.9/34

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

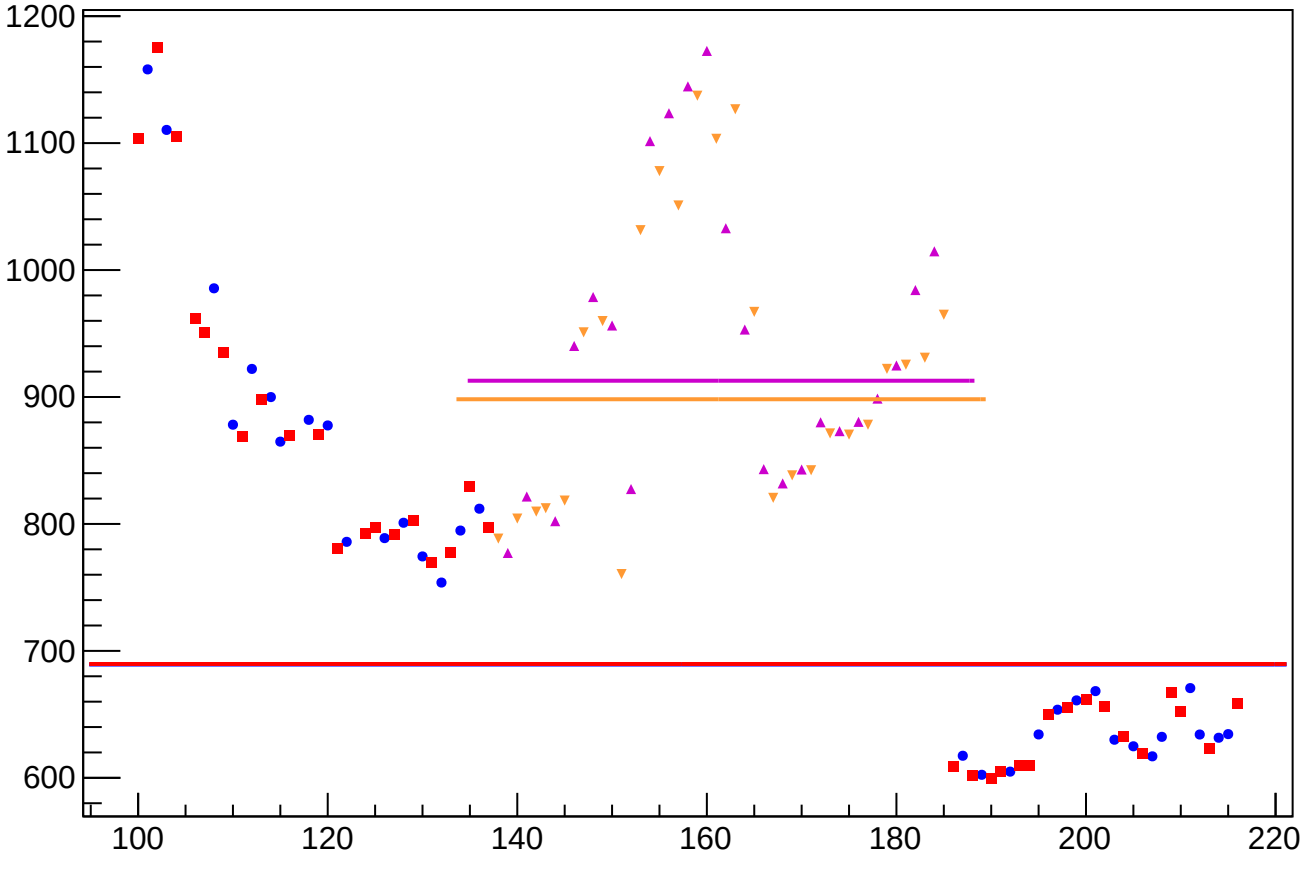
Right: -9.282+/-0.112 χ^2/NDF: 290848.8/65

In: -13.828+/-0.128 χ^2/NDF:83893.8/53

Out: 6.962+/-0.125 χ^2/NDF:235533.6/59

All: -3.191+/-0.089 χ^2/NDF: 332958.3/113

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: 689.675+/-0.111 χ^2/NDF: 1063045.4/34

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

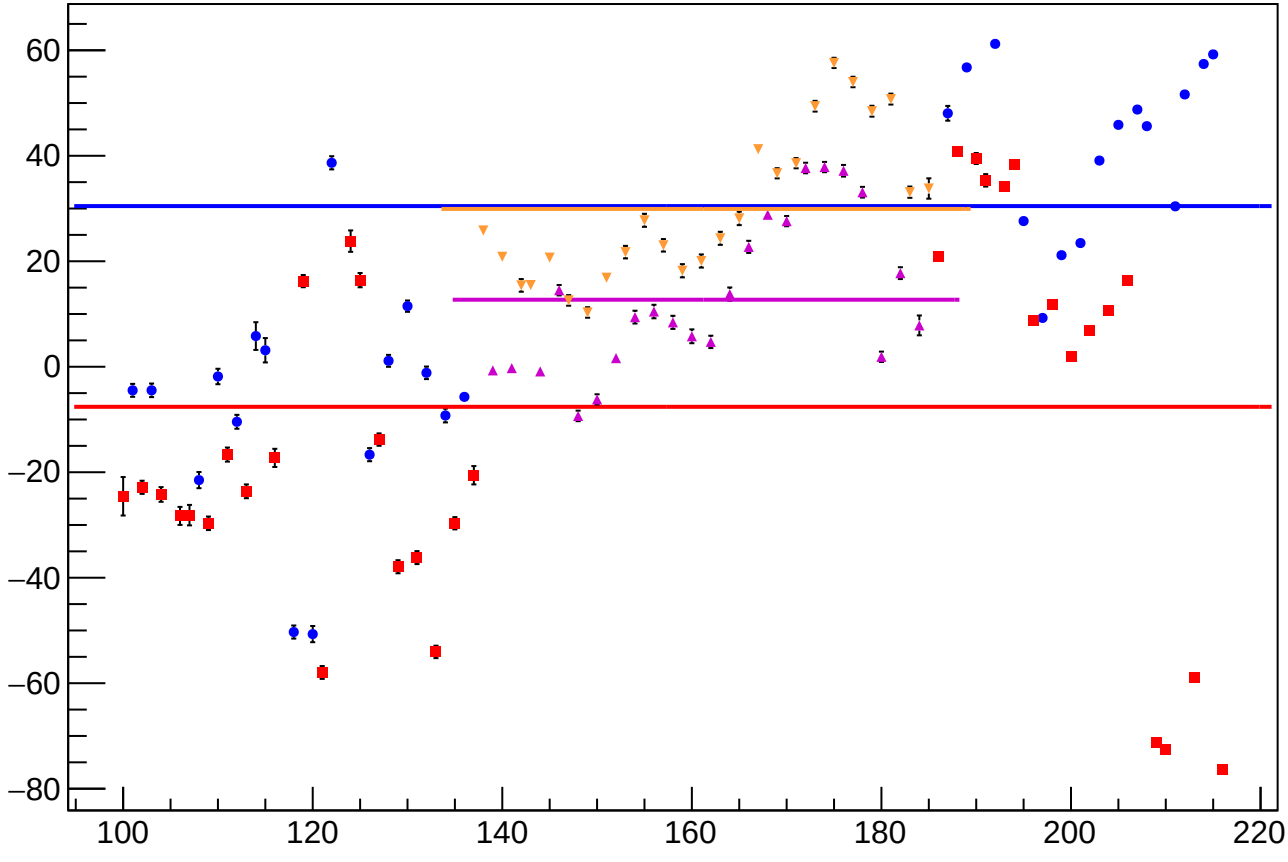
Right: 689.470+/-0.079 χ^2/NDF: 2052236.3/65

In: 768.170+/-0.090 χ^2/NDF:2866040.6/53

Out: 766.371+/-0.088 χ^2/NDF:2878025.2/59

All: 767.250+/-0.063 χ^2/NDF: 5744268.6/113

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: -7.596+/-0.155 χ^2/NDF: 63076.2/34

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

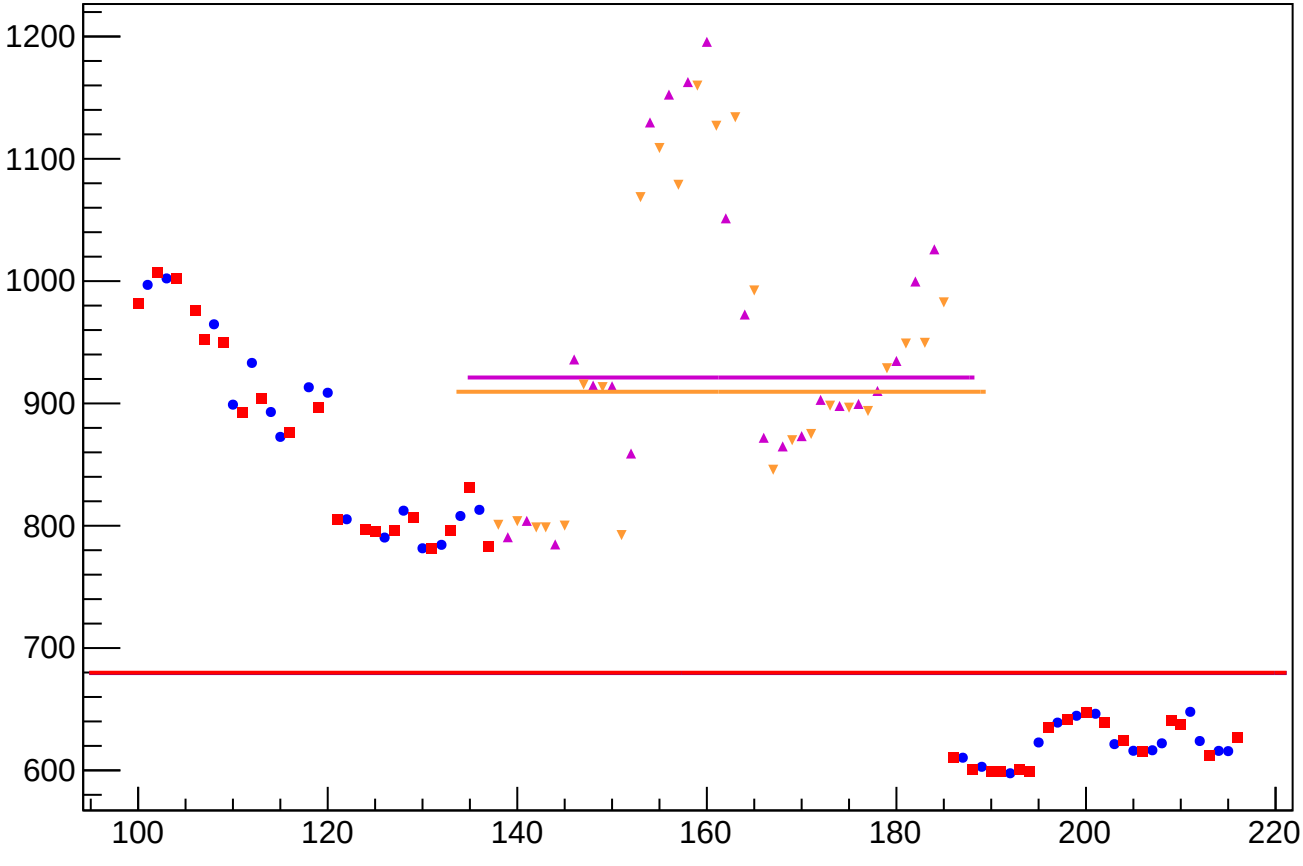
Right: 11.206+/-0.110 χ^2/NDF: 121859.9/65

In: 24.384+/-0.127 χ^2/NDF:38103.7/53

Out: 5.729+/-0.124 χ^2/NDF:88524.3/59

All: 14.853+/-0.089 χ^2/NDF: 137647.1/113

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: 679.809+/-0.109 χ^2/NDF: 1041874.7/34

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

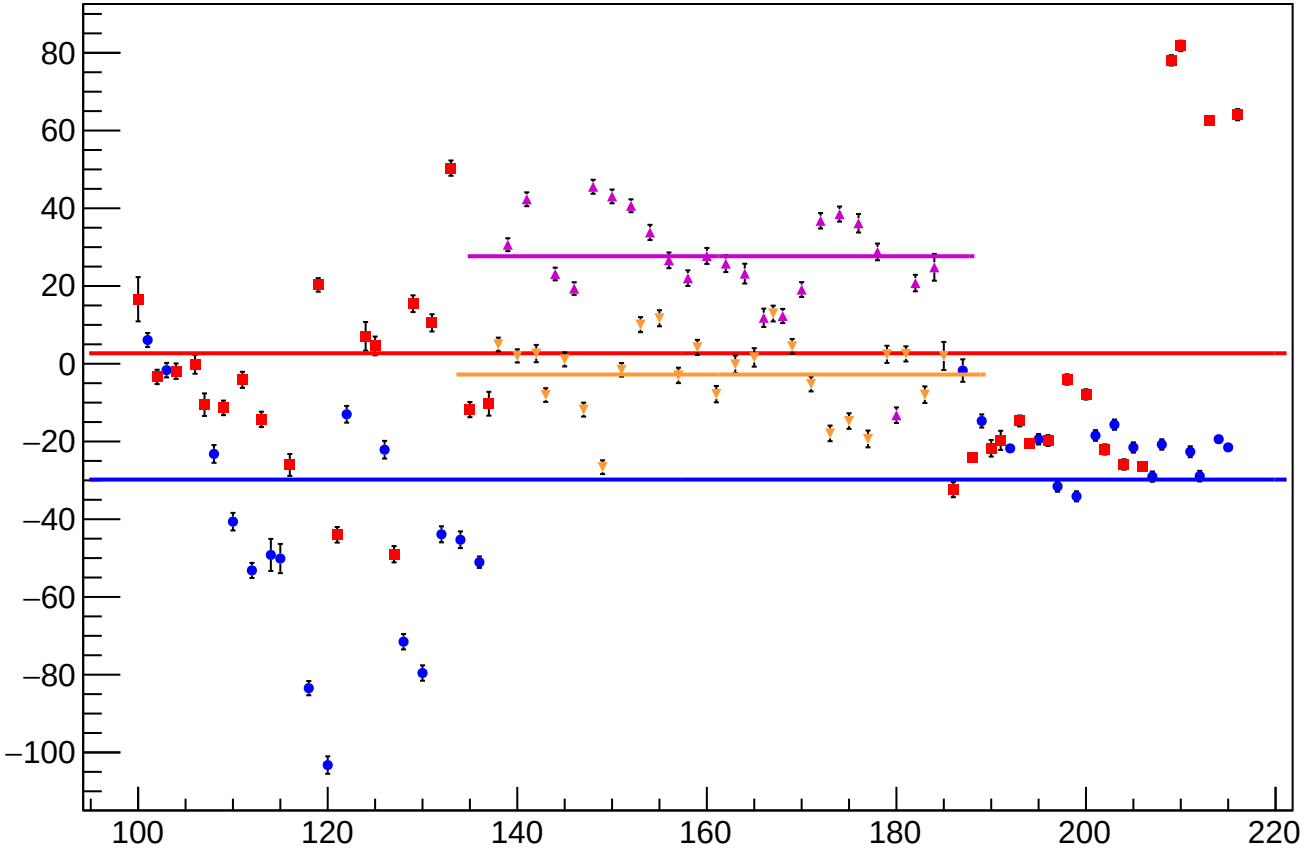
Right: 679.684+/-0.078 χ^2/NDF: 2007661.9/65

In: 762.268+/-0.090 χ^2/NDF:3092347.9/53

Out: 761.404+/-0.088 χ^2/NDF:3148592.4/59

All: 761.826+/-0.063 χ^2/NDF: 6240987.6/113

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: 2.698+/-0.290 χ^2/NDF: 16035.8/34

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

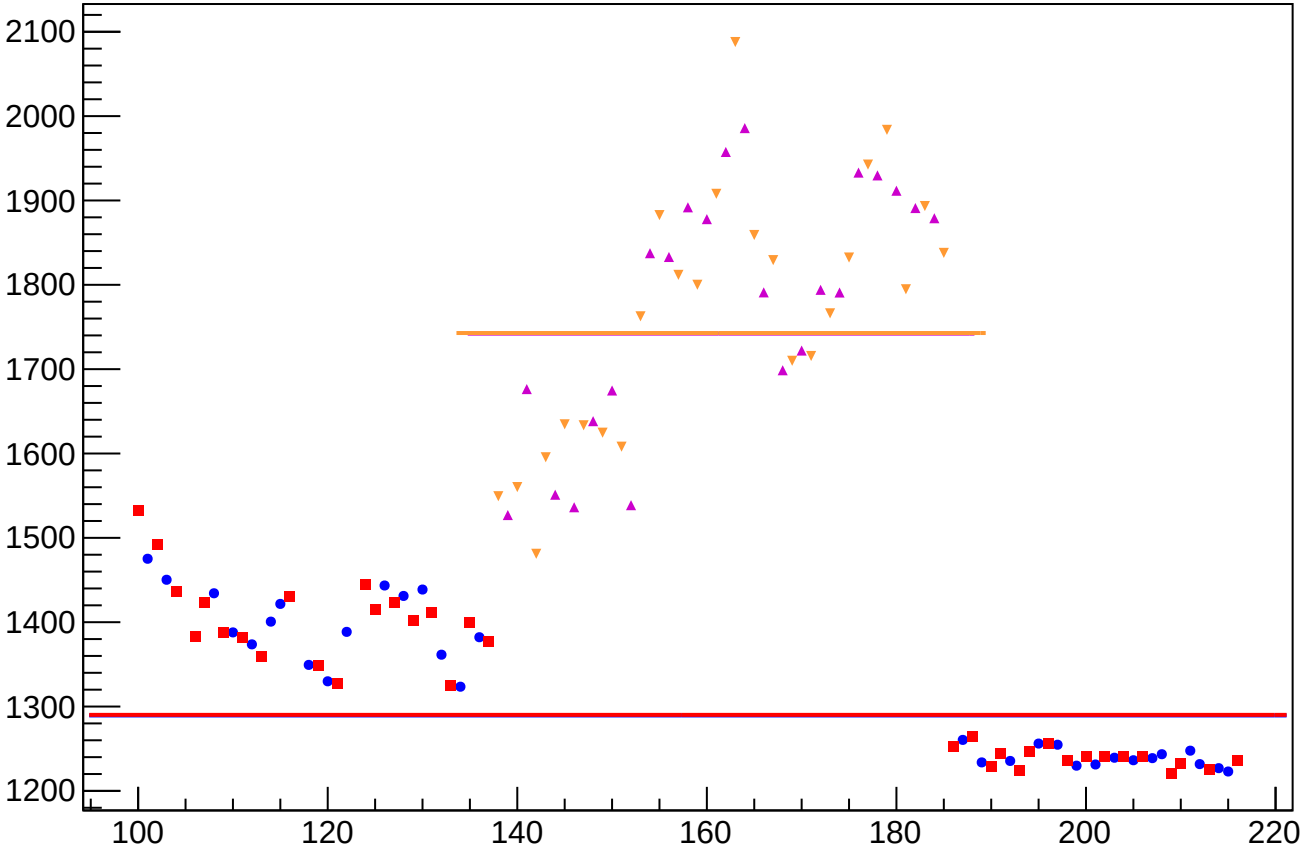
Right: -13.352+/-0.207 χ^2/NDF: 27129.9/65

In: -10.207+/-0.239 χ^2/NDF:18925.9/53

Out: 0.795+/-0.234 χ^2/NDF:16775.2/59

All: -4.609+/-0.167 χ^2/NDF: 36782.6/113

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: 1290.131+/-0.205 χ^2/NDF: 145469.1/34

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

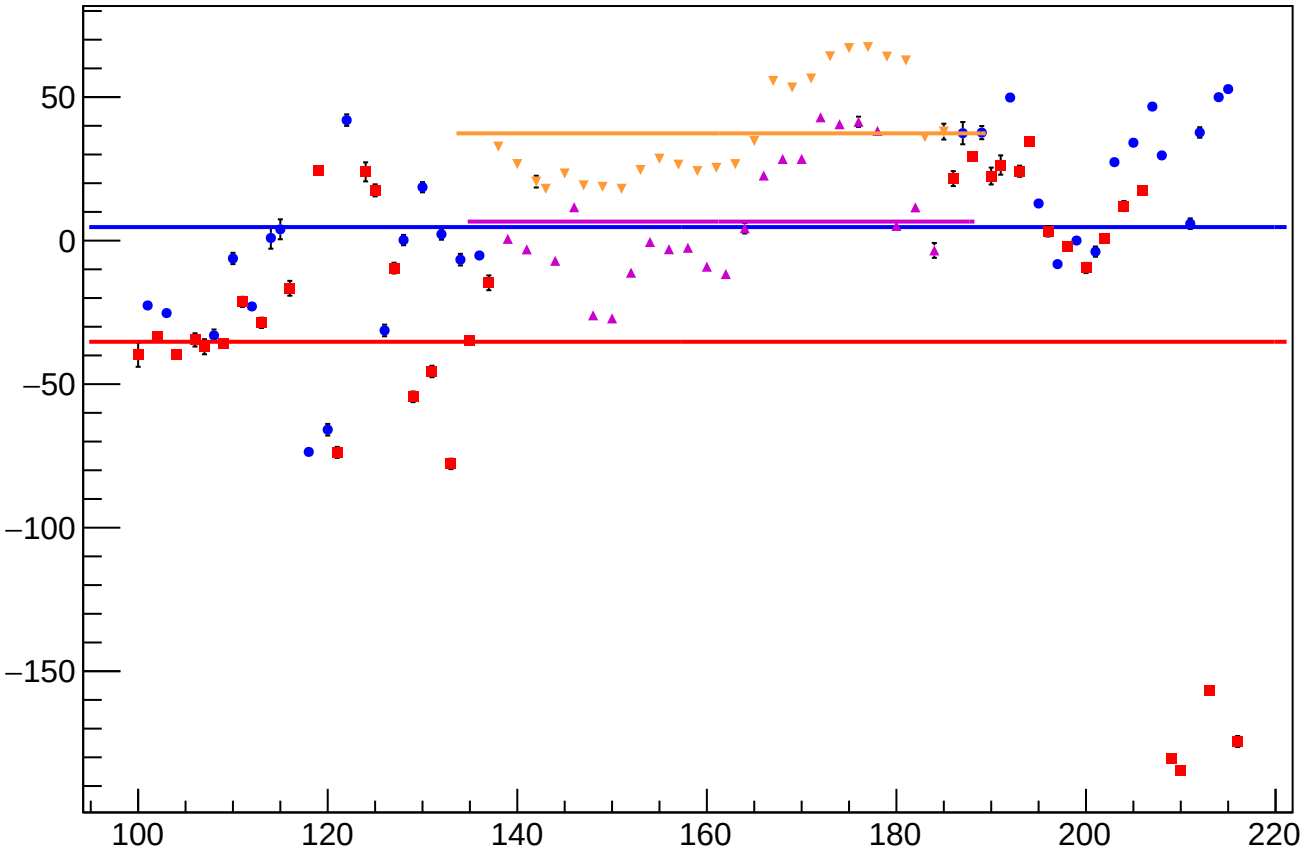
Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

Right: 1289.793+/-0.146 χ^2/NDF: 292814.1/65

In: 1443.794+/-0.169 χ^2/NDF:2025984.1/53

Out: 1447.729+/-0.166 χ^2/NDF:2100436.2/59

All: 1445.796+/-0.118 χ^2/NDF: 4126697.0/11



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: -35.237+/-0.322 χ^2/NDF: 38202.2/34

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

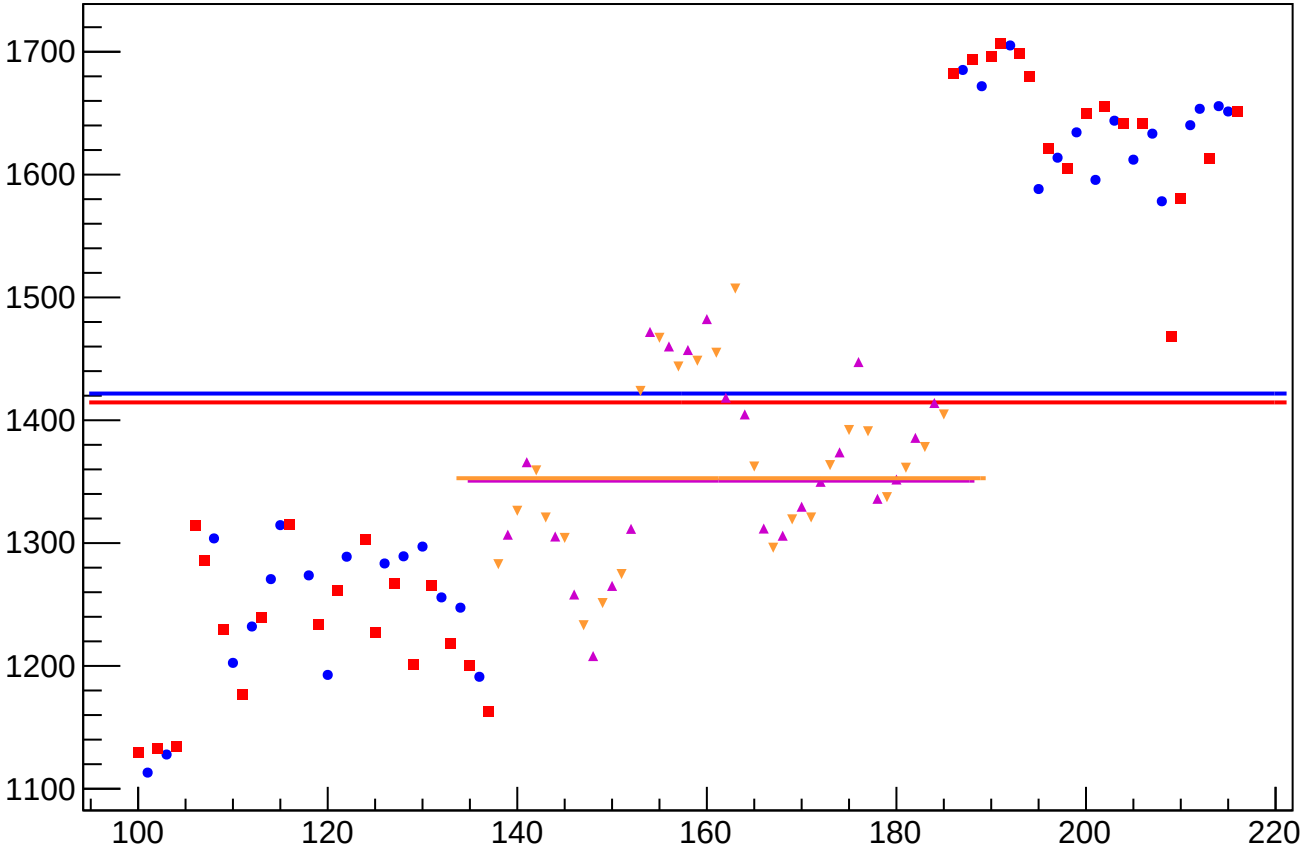
Right: -15.609+/-0.229 χ^2/NDF: 55431.7/65

In: 5.706+/-0.227 χ^2/NDF:14073.4/53

Out: 2.645+/-0.222 χ^2/NDF:68198.0/59

All: 4.142+/-0.159 χ^2/NDF: 82364.1/113

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: 1414.533+/-0.227 χ^2/NDF: 896310.2/34

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

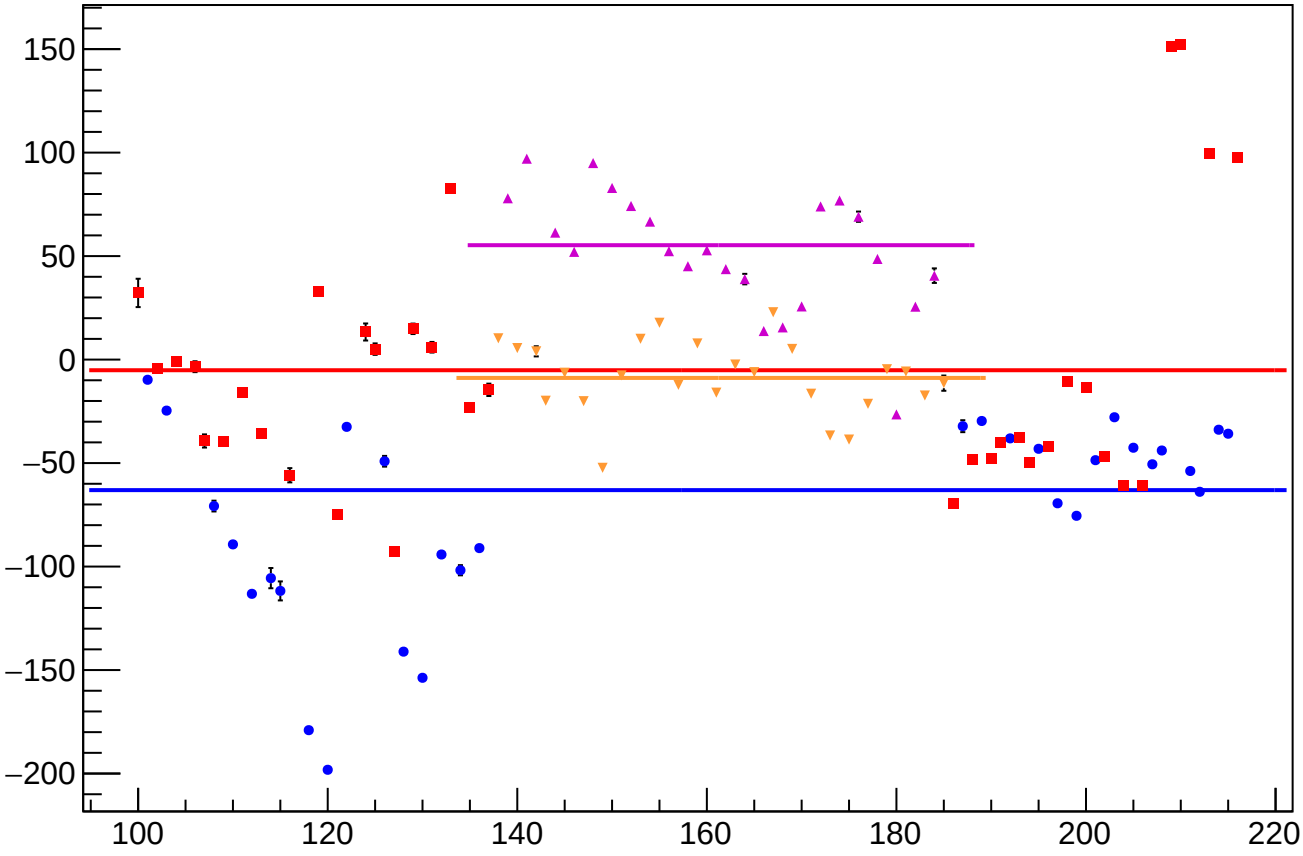
Right: 1418.080+/-0.162 χ^2/NDF: 1730940.8/65

In: 1385.065+/-0.161 χ^2/NDF:991361.7/53

Out: 1382.334+/-0.157 χ^2/NDF:1039589.1/59

All: 1383.669+/-0.112 χ^2/NDF: 2031098.4/11

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: -5.144+/-0.324 χ^2/NDF: 42128.8/34

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

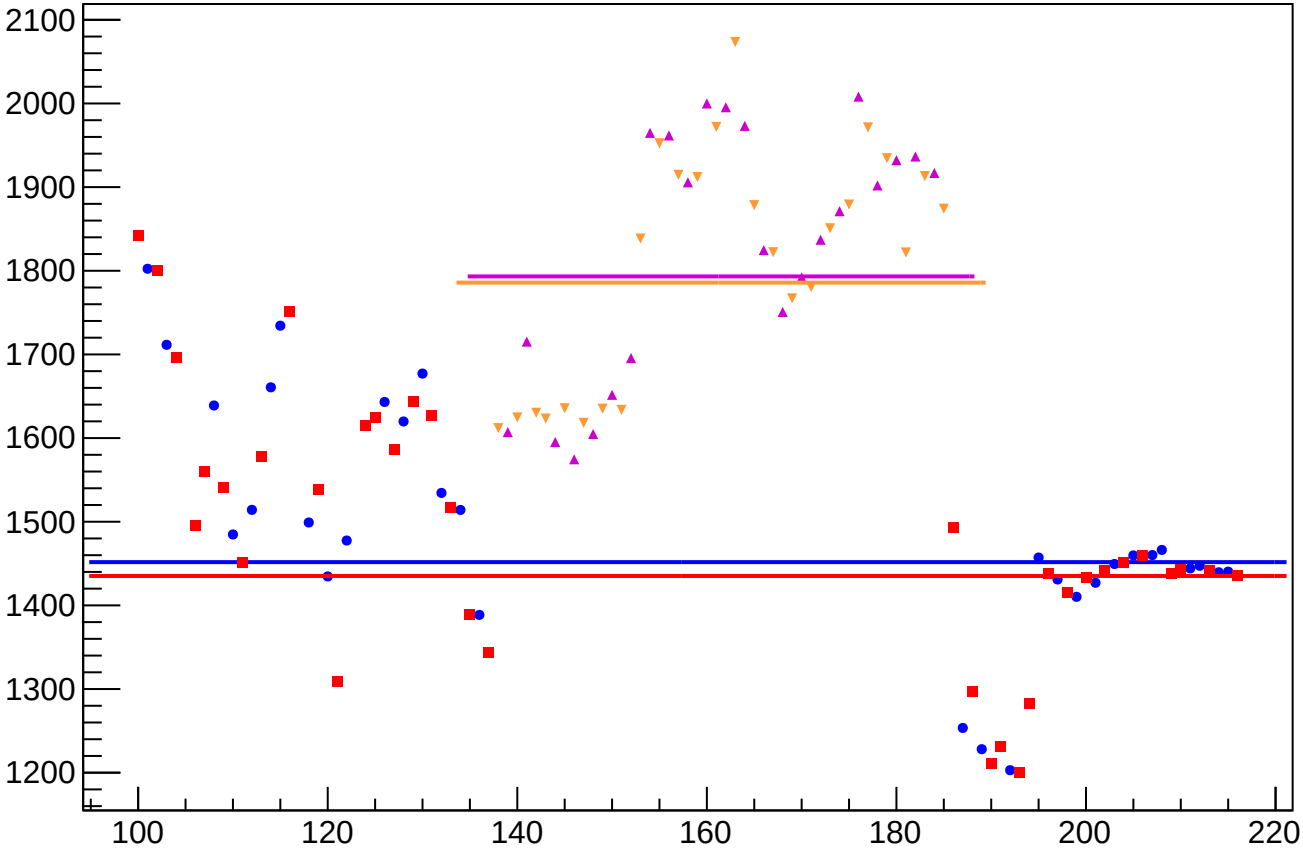
Right: -33.422+/-0.232 χ^2/NDF: 72475.4/65

In: -17.694+/-0.260 χ^2/NDF:68297.8/53

Out: -6.584+/-0.253 χ^2/NDF:44132.9/59

All: -11.990+/-0.182 χ^2/NDF: 113365.7/113

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: 1435.163+/-0.229 χ^2/NDF: 330978.8/34

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

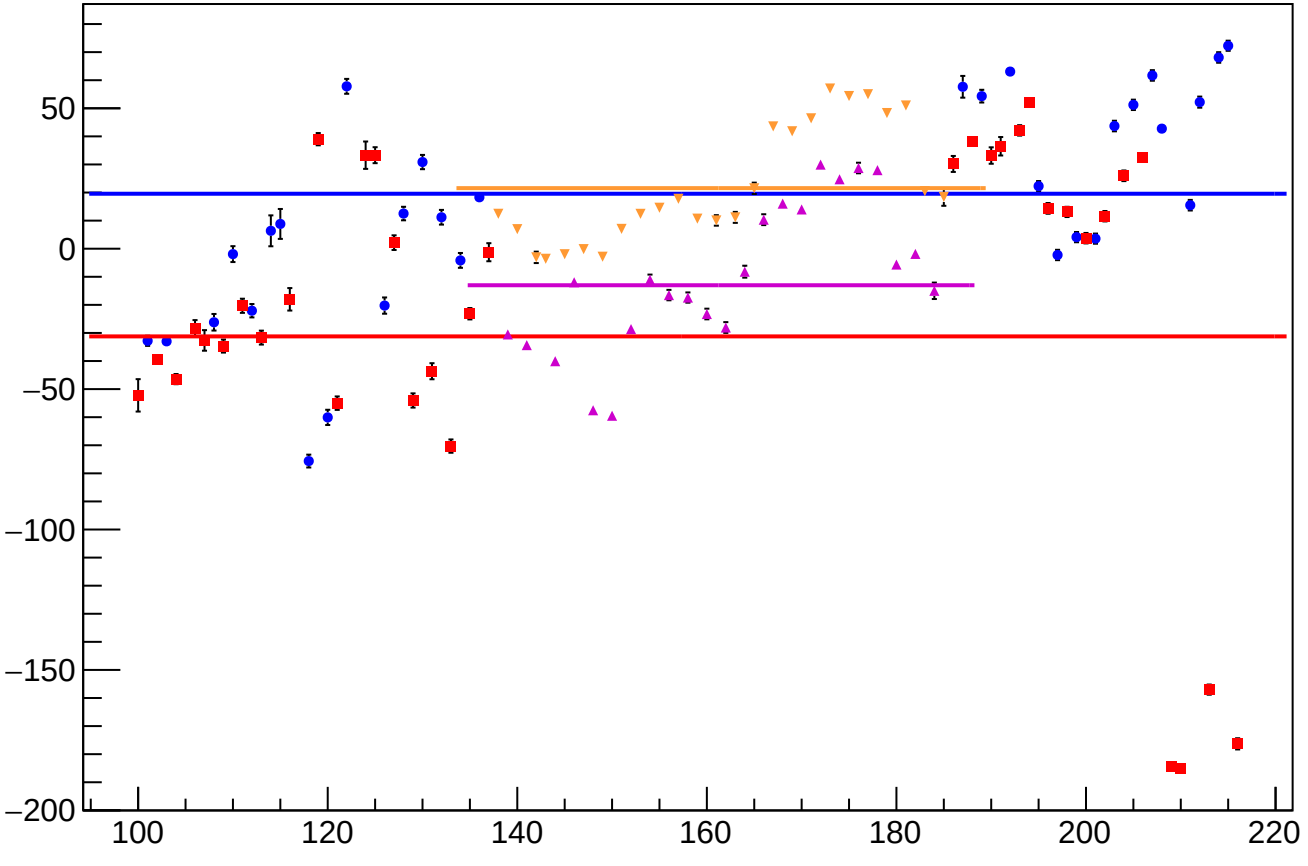
Right: 1443.233+/-0.164 χ^2/NDF: 615570.2/65

In: 1582.662+/-0.184 χ^2/NDF:1348480.5/53

Out: 1571.040+/-0.179 χ^2/NDF:1476857.6/59

All: 1576.695+/-0.128 χ^2/NDF: 2827383.9/11

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: -31.229+/-0.372 χ^2/NDF: 41388.5/34

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

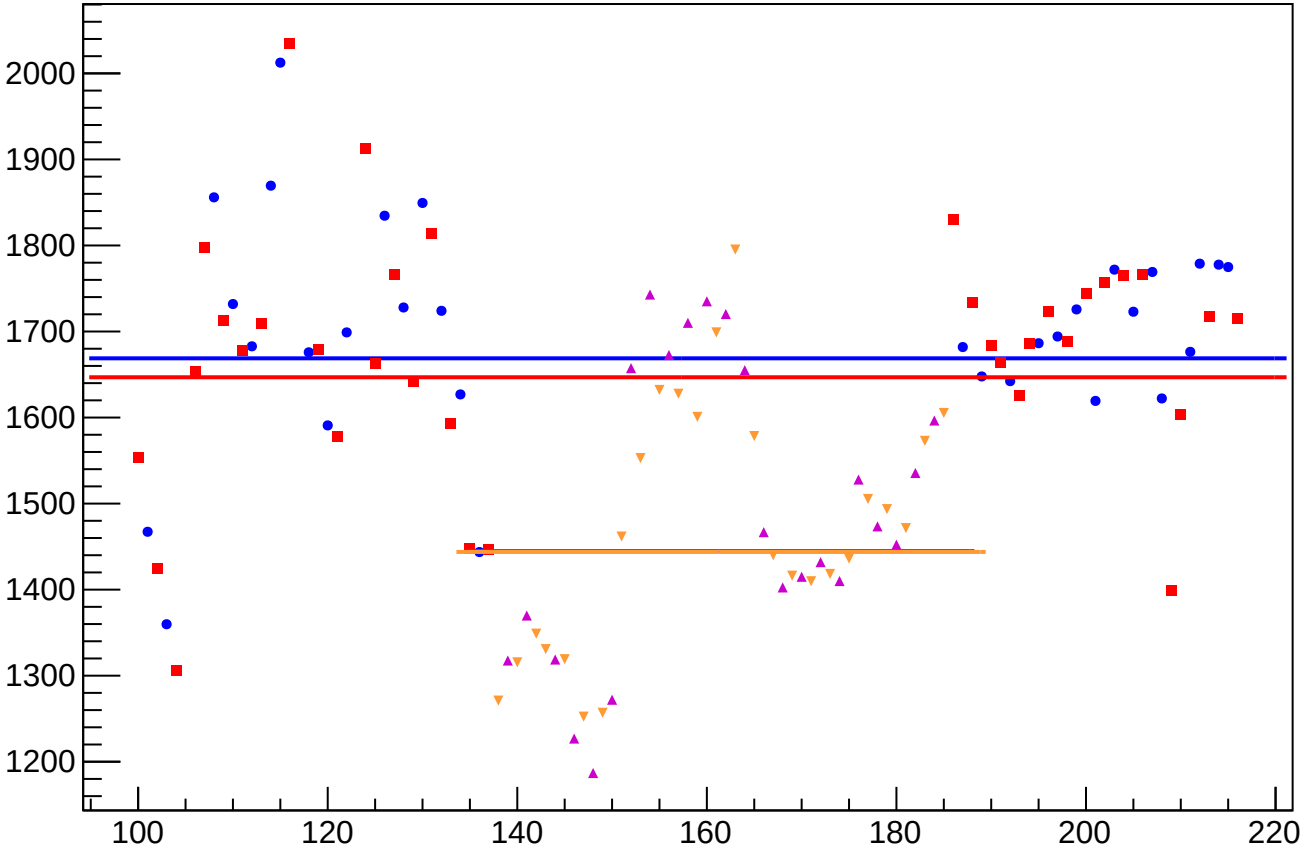
Right: -6.474+/-0.266 χ^2/NDF: 60177.2/65

In: 1.419+/-0.254 χ^2/NDF:20385.2/53

Out: -1.693+/-0.247 χ^2/NDF:56831.0/59

All: -0.181+/-0.177 χ^2/NDF: 77293.5/113

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: 1646.825+/-0.263 χ^2/NDF: 283666.1/34

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

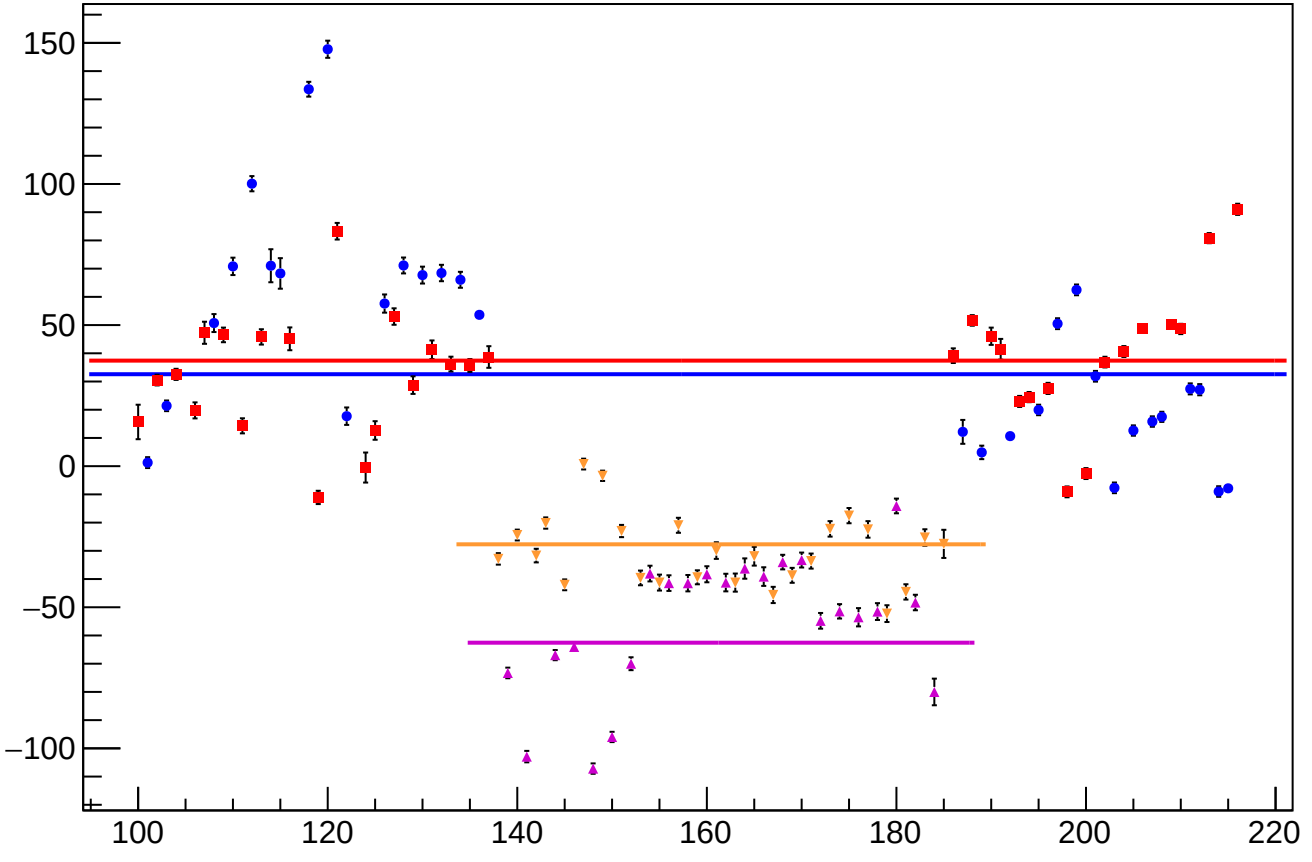
Right: 1657.548+/-0.188 χ^2/NDF: 498104.6/65

In: 1544.033+/-0.179 χ^2/NDF:1080709.5/53

Out: 1533.259+/-0.174 χ^2/NDF:969651.0/59

All: 1538.495+/-0.125 χ^2/NDF: 2052213.1/11

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: 37.406+/-0.394 χ^2/NDF: 3661.6/34

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

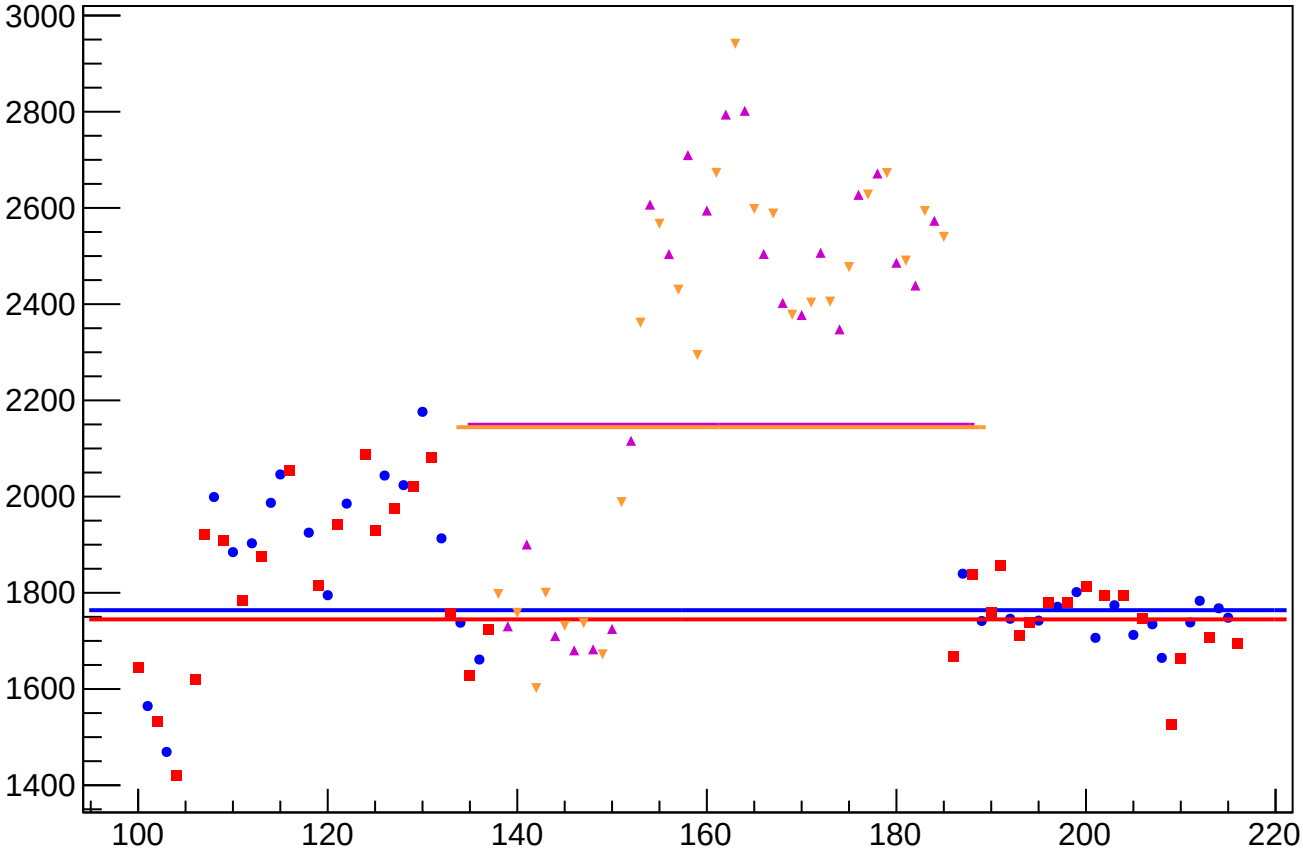
Right: 35.053+/-0.282 χ^2/NDF: 11128.0/65

In: -3.819+/-0.317 χ^2/NDF:31191.5/53

Out: 12.259+/-0.308 χ^2/NDF:14997.8/59

All: 4.432+/-0.221 χ^2/NDF: 47513.1/113

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: 1744.800+/-0.278 χ^2/NDF: 247982.7/34

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

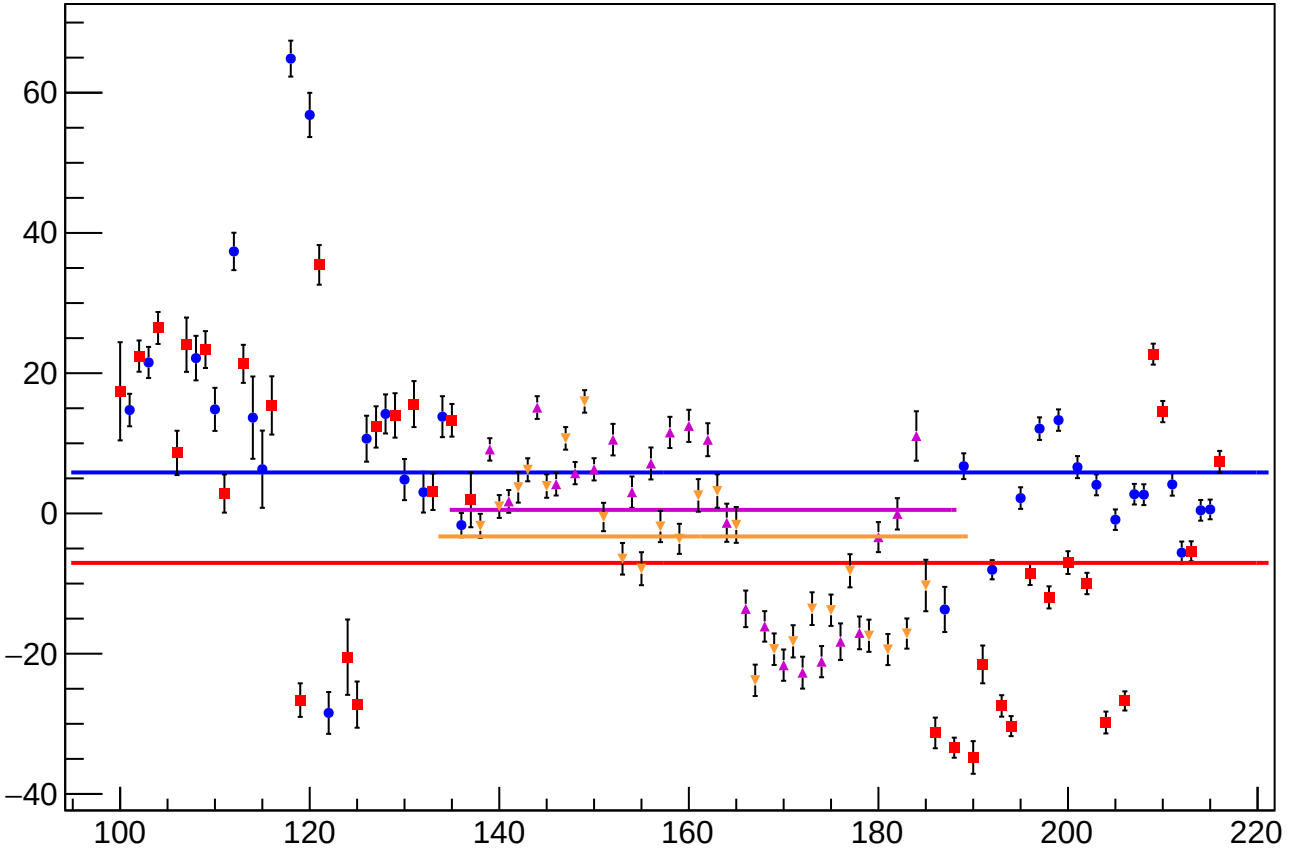
Right: 1754.108+/-0.199 χ^2/NDF: 460975.4/65

In: 1911.367+/-0.224 χ^2/NDF:2177044.2/53

Out: 1899.094+/-0.218 χ^2/NDF:2323692.4/59

All: 1905.069+/-0.156 χ^2/NDF: 4502279.5/11

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: -7.050+/-0.344 χ^2/NDF: 3547.1/34

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

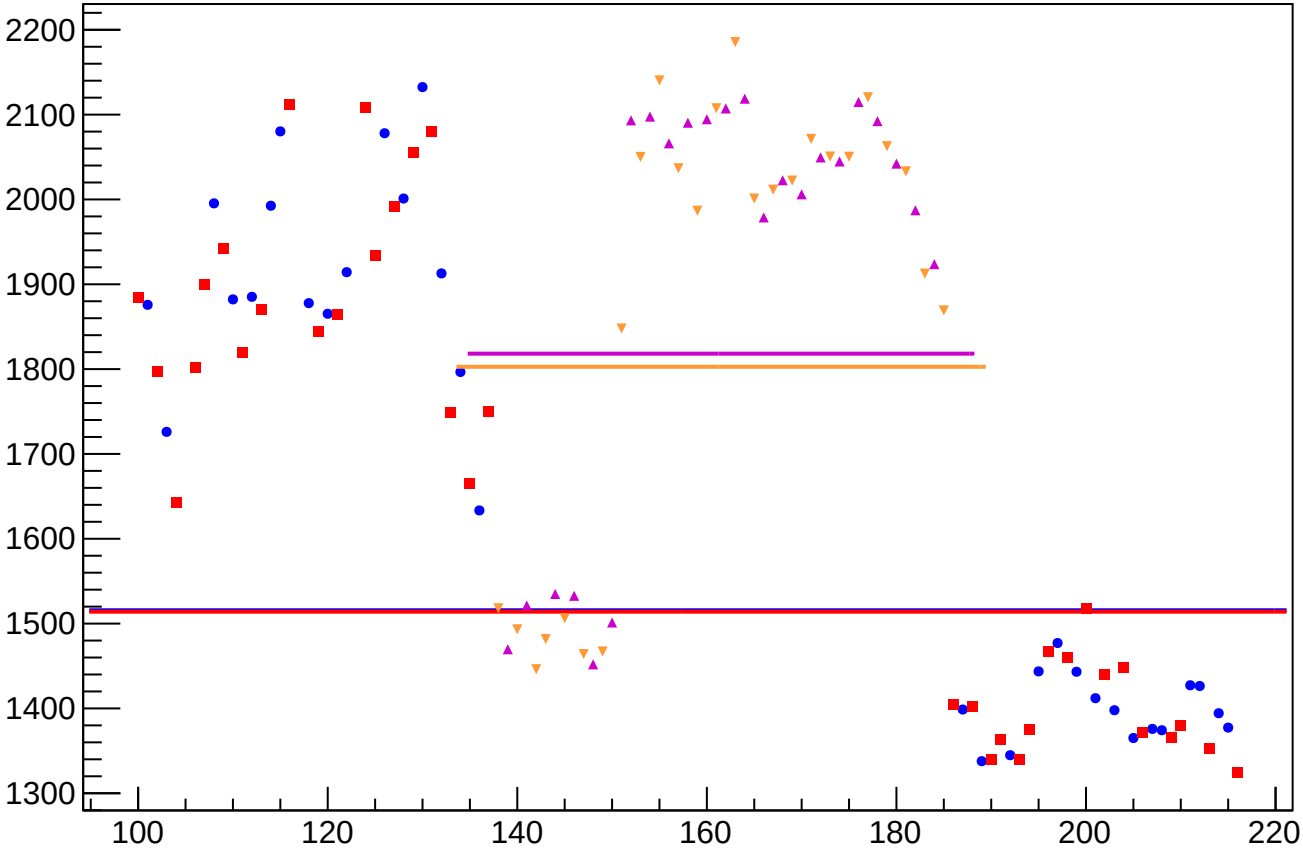
Right: -0.693+/-0.245 χ^2/NDF: 5741.4/65

In: 3.728+/-0.271 χ^2/NDF:2339.5/53

Out: -5.512+/-0.265 χ^2/NDF:4267.3/59

All: -0.998+/-0.189 χ^2/NDF: 7202.4/113

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: 1514.079+/-0.243 χ^2/NDF: 768541.9/34

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

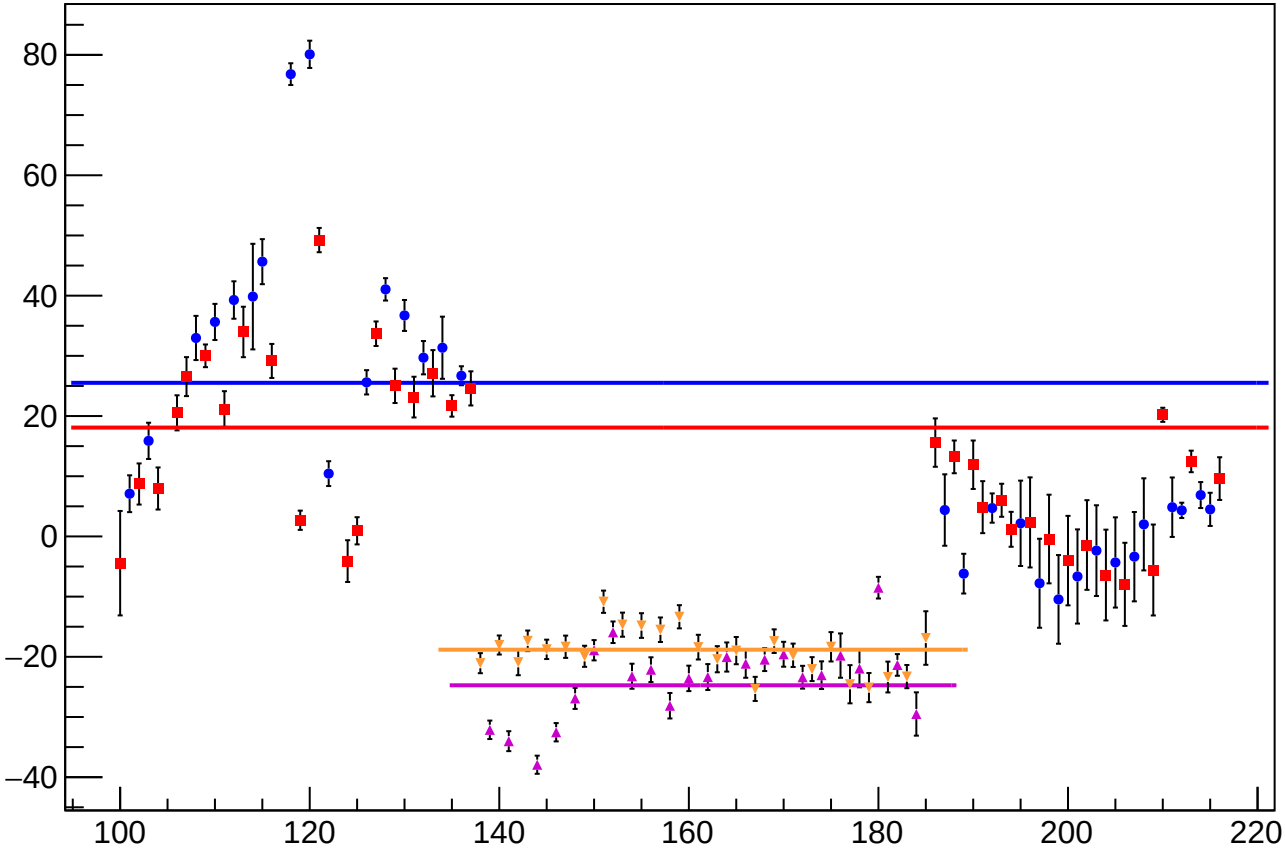
Right: 1514.880+/-0.173 χ^2/NDF: 1541883.6/65

In: 1635.785+/-0.191 χ^2/NDF:2211274.8/53

Out: 1631.684+/-0.187 χ^2/NDF:2240363.4/59

All: 1633.687+/-0.134 χ^2/NDF: 4451872.8/11

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: 18.084+/-0.463 χ^2/NDF: 760.7/34

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

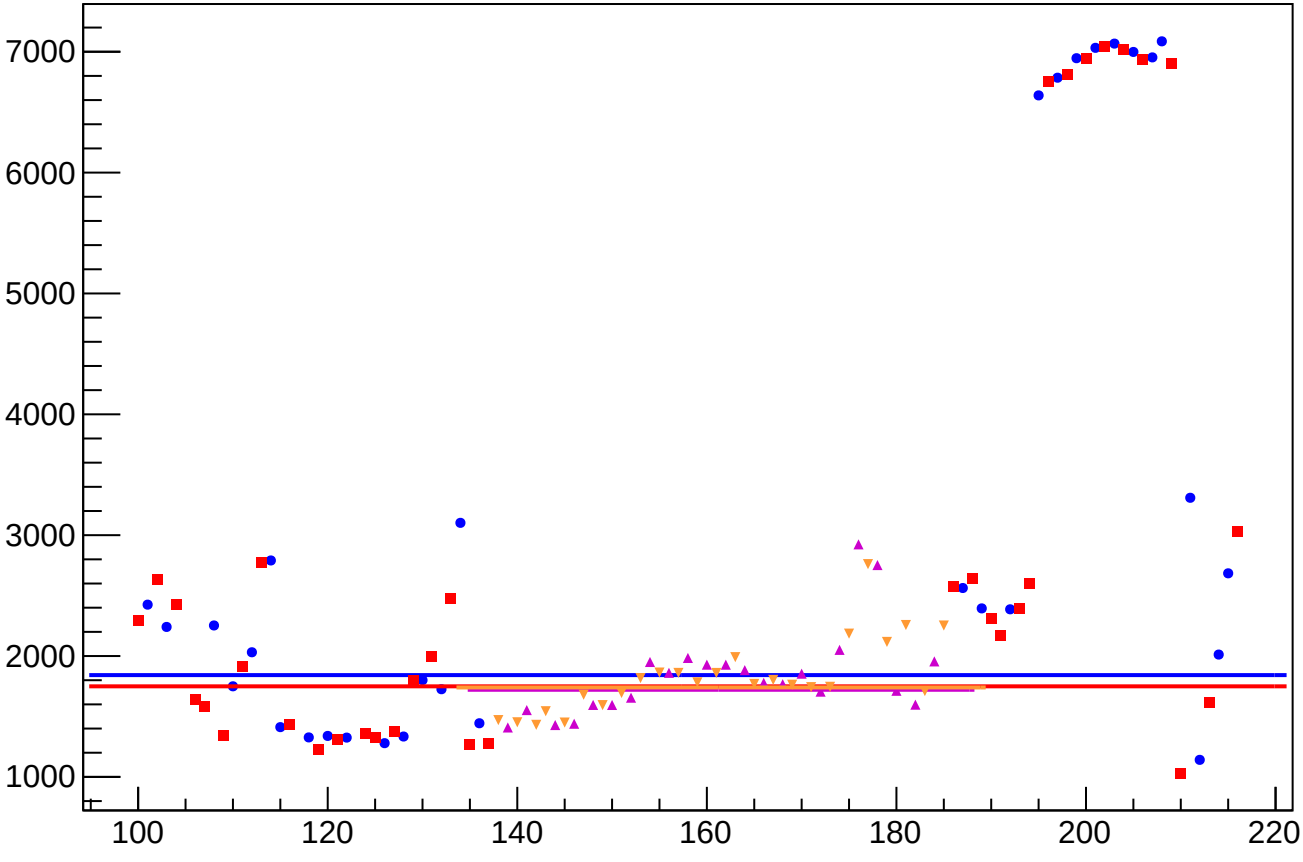
Right: 21.528+/-0.340 χ^2/NDF: 3255.4/65

In: -4.546+/-0.316 χ^2/NDF:8753.9/53

Out: -2.973+/-0.304 χ^2/NDF:4454.3/59

All: -3.728+/-0.219 χ^2/NDF: 13221.1/113

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: 1749.325+/-0.328 χ^2/NDF: 9753618.5/34

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

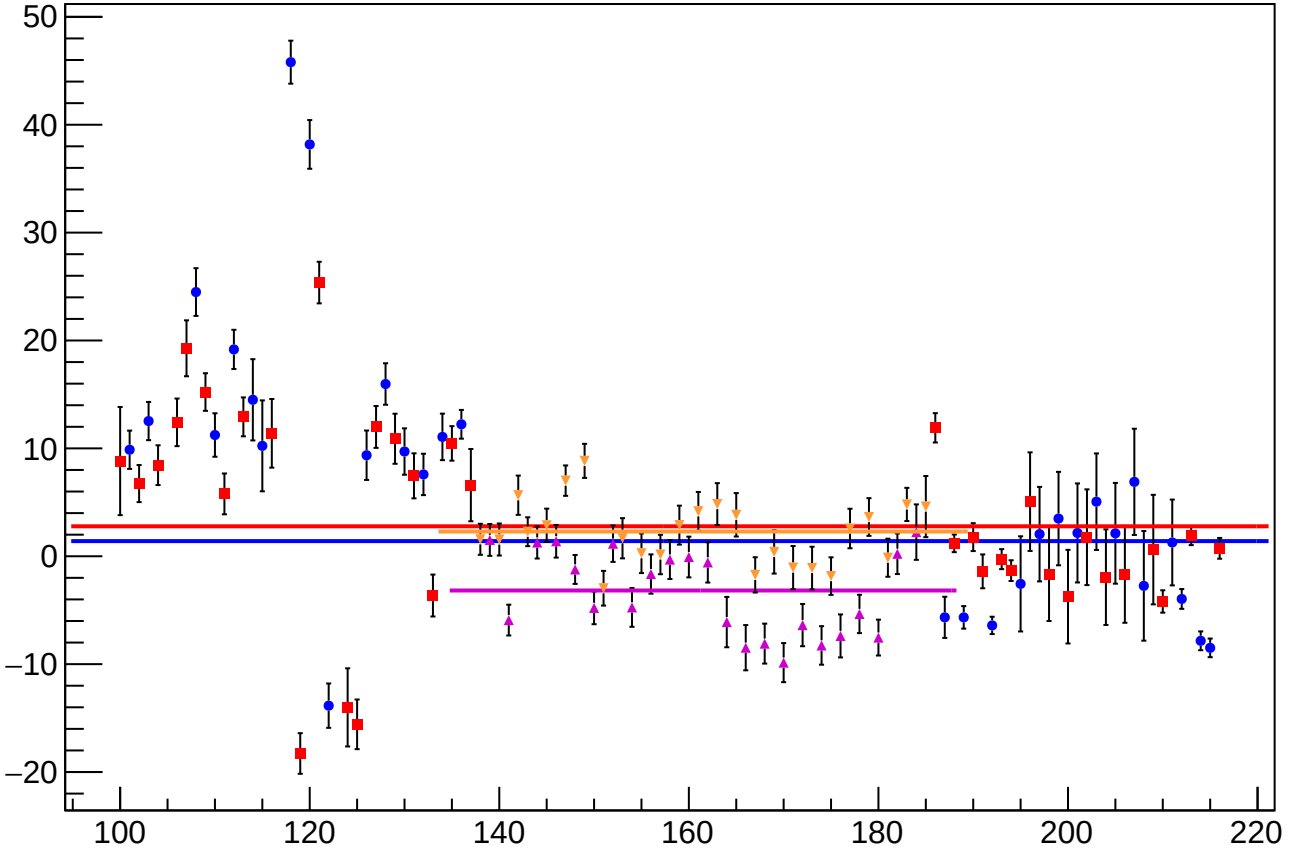
Right: 1792.368+/-0.240 χ^2/NDF: 19538203.1/65

In: 1769.628+/-0.224 χ^2/NDF:10702169.5/53

Out: 1744.054+/-0.215 χ^2/NDF:10507449.4/59

All: 1756.323+/-0.155 χ^2/NDF: 21216425.7/1

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: 2.778+/-0.274 χ^2/NDF: 732.9/34

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

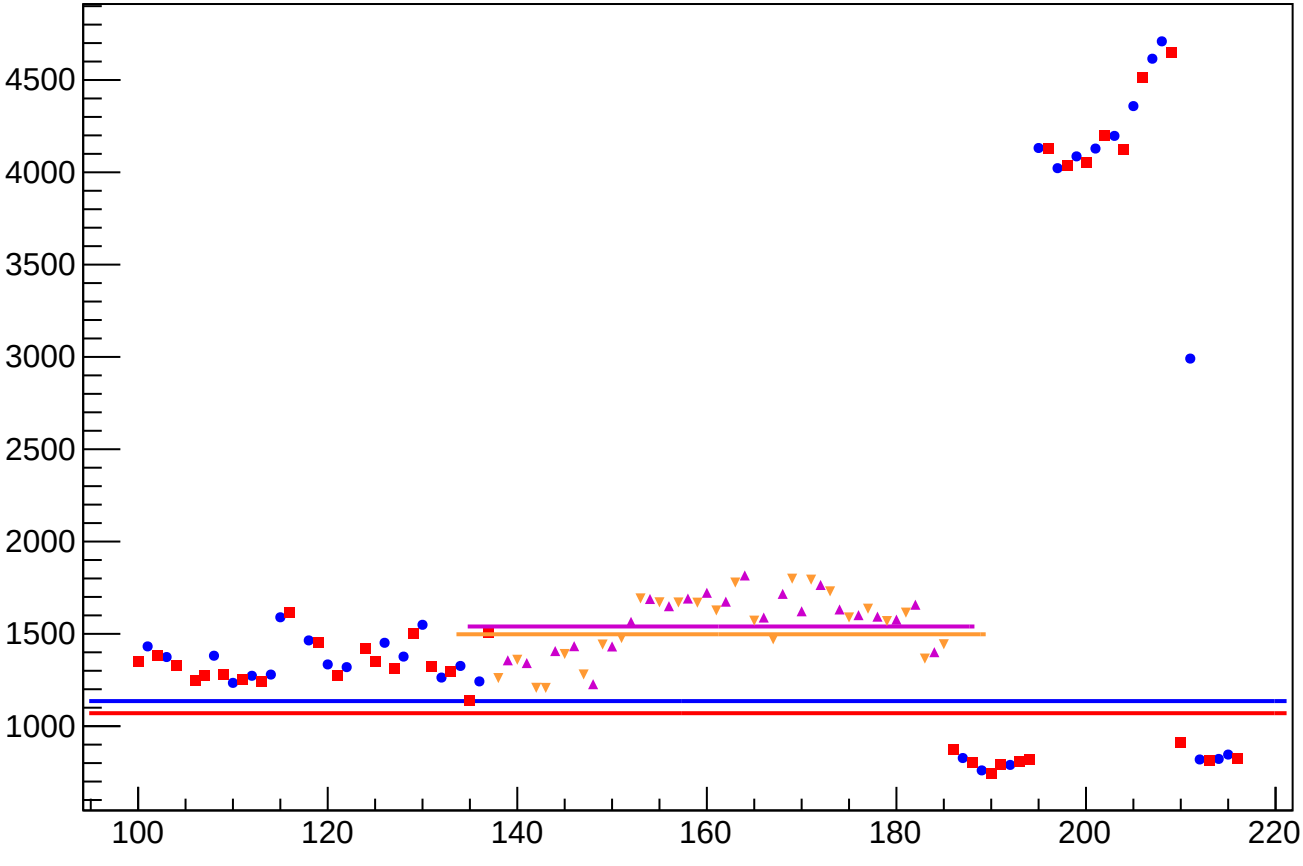
Right: 2.157+/-0.203 χ^2/NDF: 2484.7/65

In: -0.472+/-0.232 χ^2/NDF:1945.0/53

Out: 2.589+/-0.214 χ^2/NDF:807.6/59

All: 1.179+/-0.157 χ^2/NDF: 2846.5/113

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: 1070.233+/-0.194 χ^2/NDF: 8575948.1/34

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

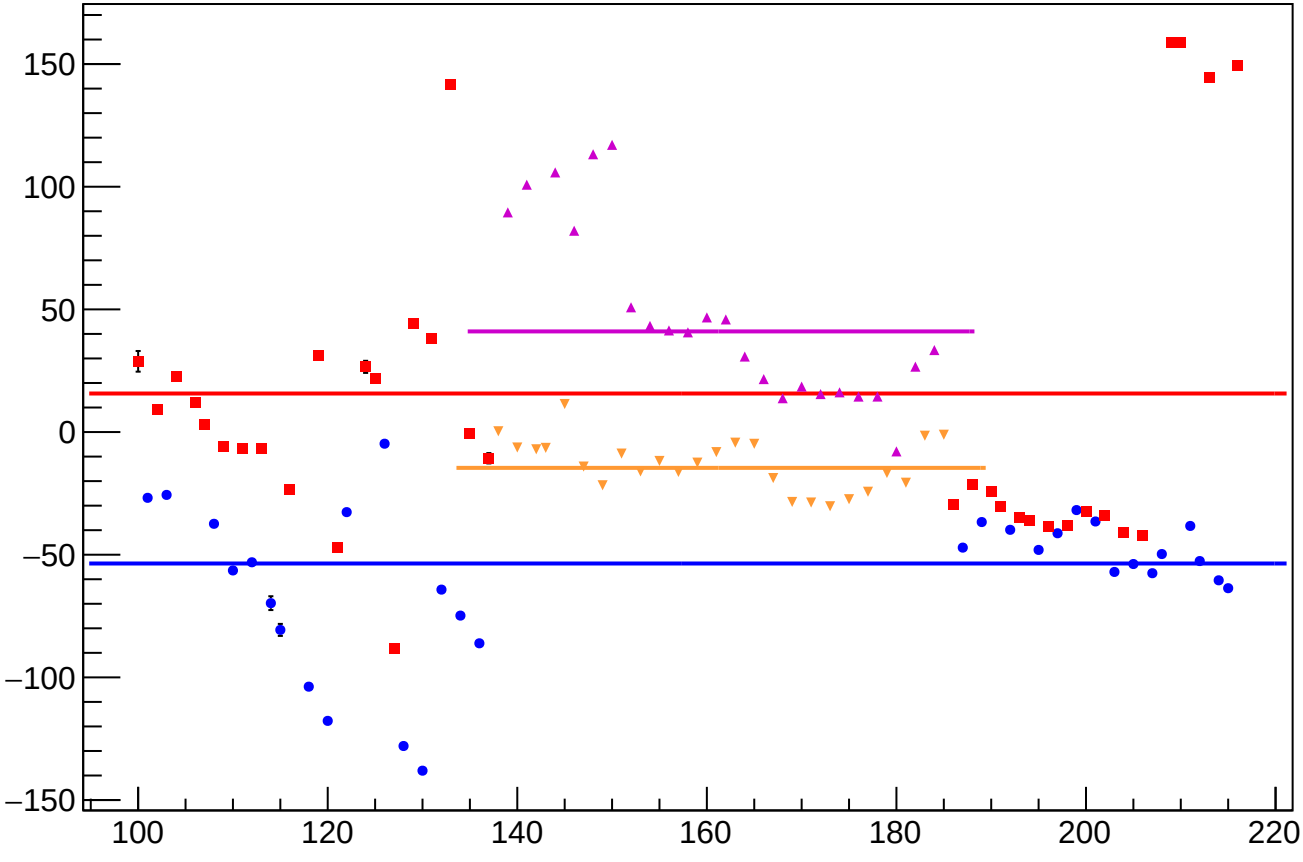
Right: 1099.890+/-0.144 χ^2/NDF: 18338201.5/65

In: 1301.430+/-0.164 χ^2/NDF:11557970.9/53

Out: 1236.833+/-0.152 χ^2/NDF:11035193.7/59

All: 1266.586+/-0.111 χ^2/NDF: 22676771.5/1

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: 15.711+/-0.161 χ^2/NDF: 232996.1/34

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

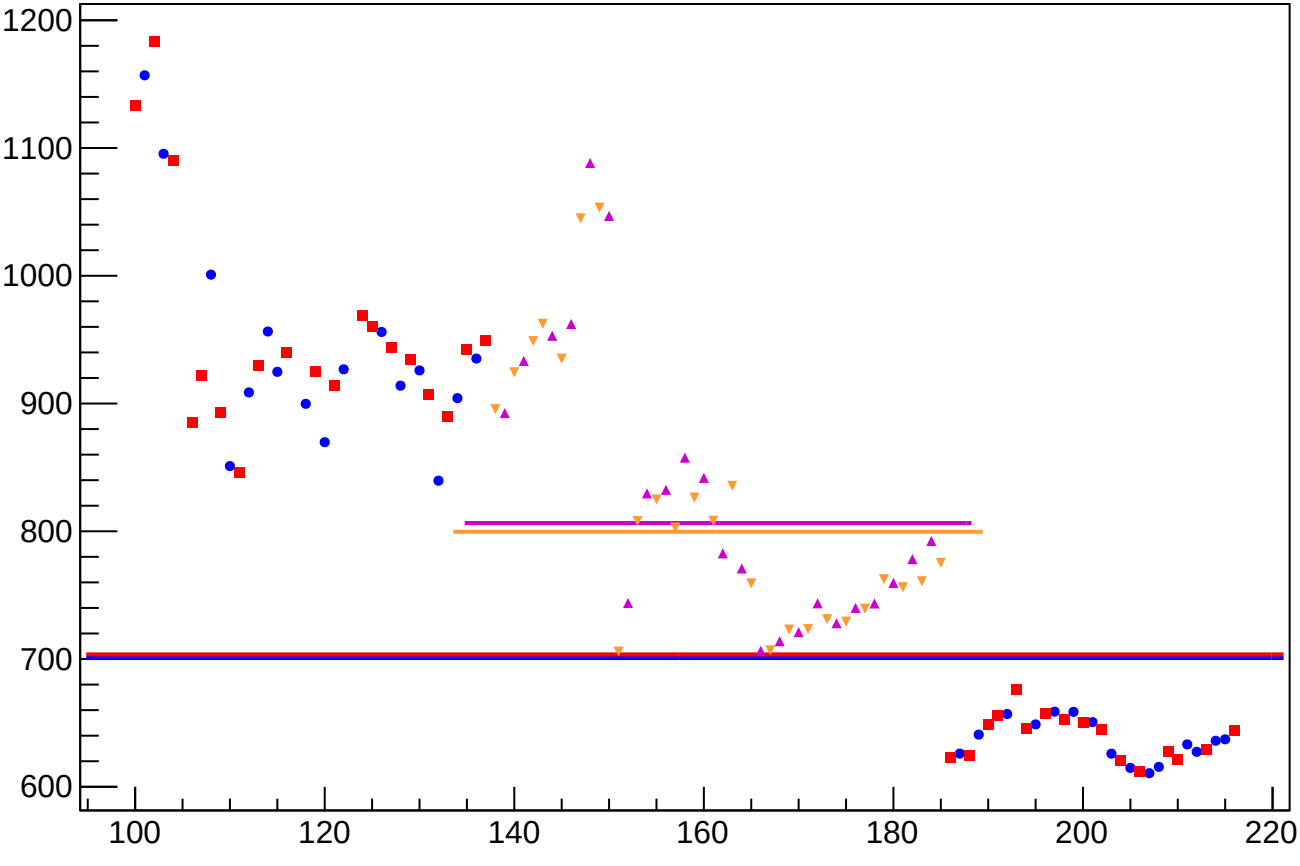
Right: -18.635+/-0.114 χ^2/NDF: 343644.8/65

In: -13.641+/-0.123 χ^2/NDF:193279.3/53

Out: 2.499+/-0.121 χ^2/NDF:251637.3/59

All: -5.404+/-0.086 χ^2/NDF: 453659.1/113

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: 703.653+/-0.114 χ^2/NDF: 1335283.4/34

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

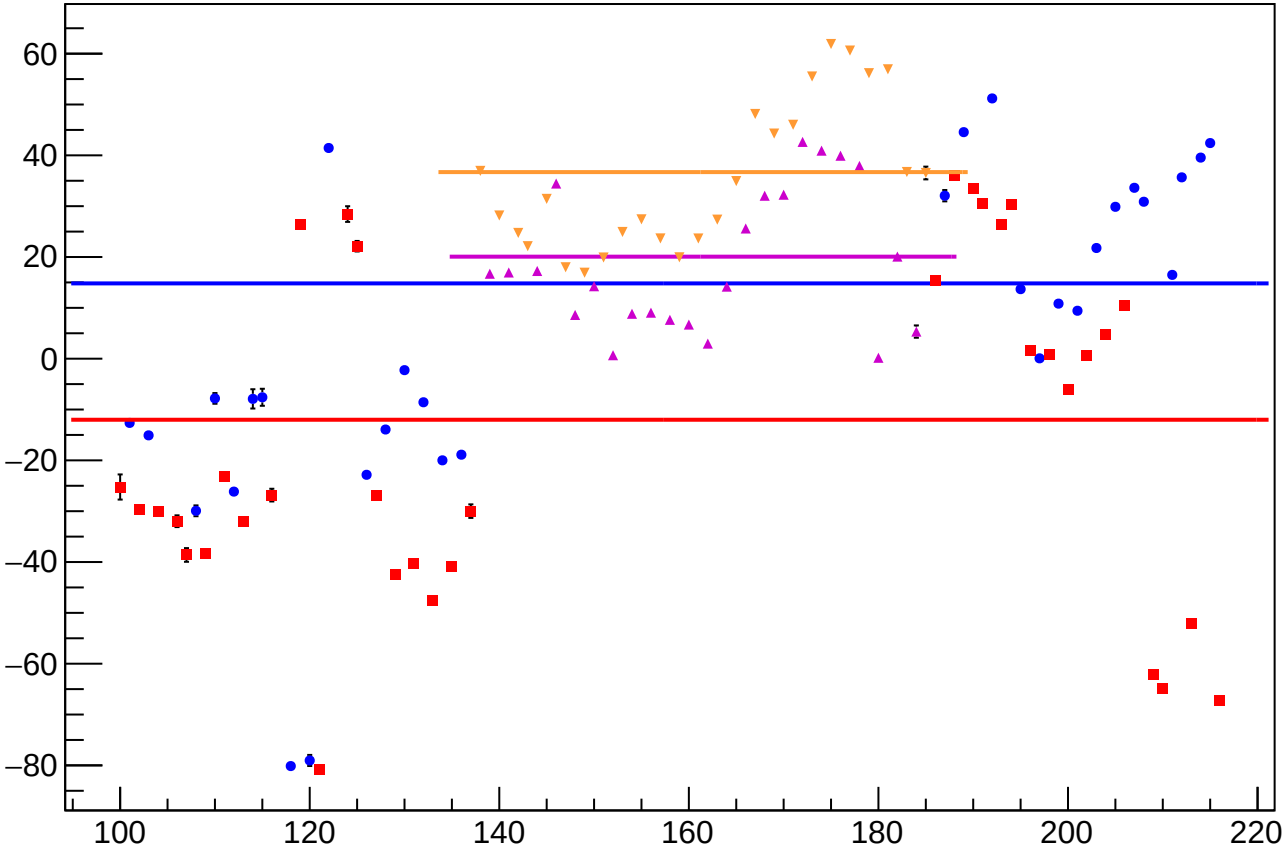
Right: 702.226+/-0.081 χ^2/NDF: 2621724.4/65

In: 745.401+/-0.087 χ^2/NDF:2155922.6/53

Out: 745.496+/-0.085 χ^2/NDF:2143276.0/59

All: 745.449+/-0.061 χ^2/NDF: 4299199.2/113

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: -12.012+/-0.119 χ^2/NDF: 84517.6/34

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

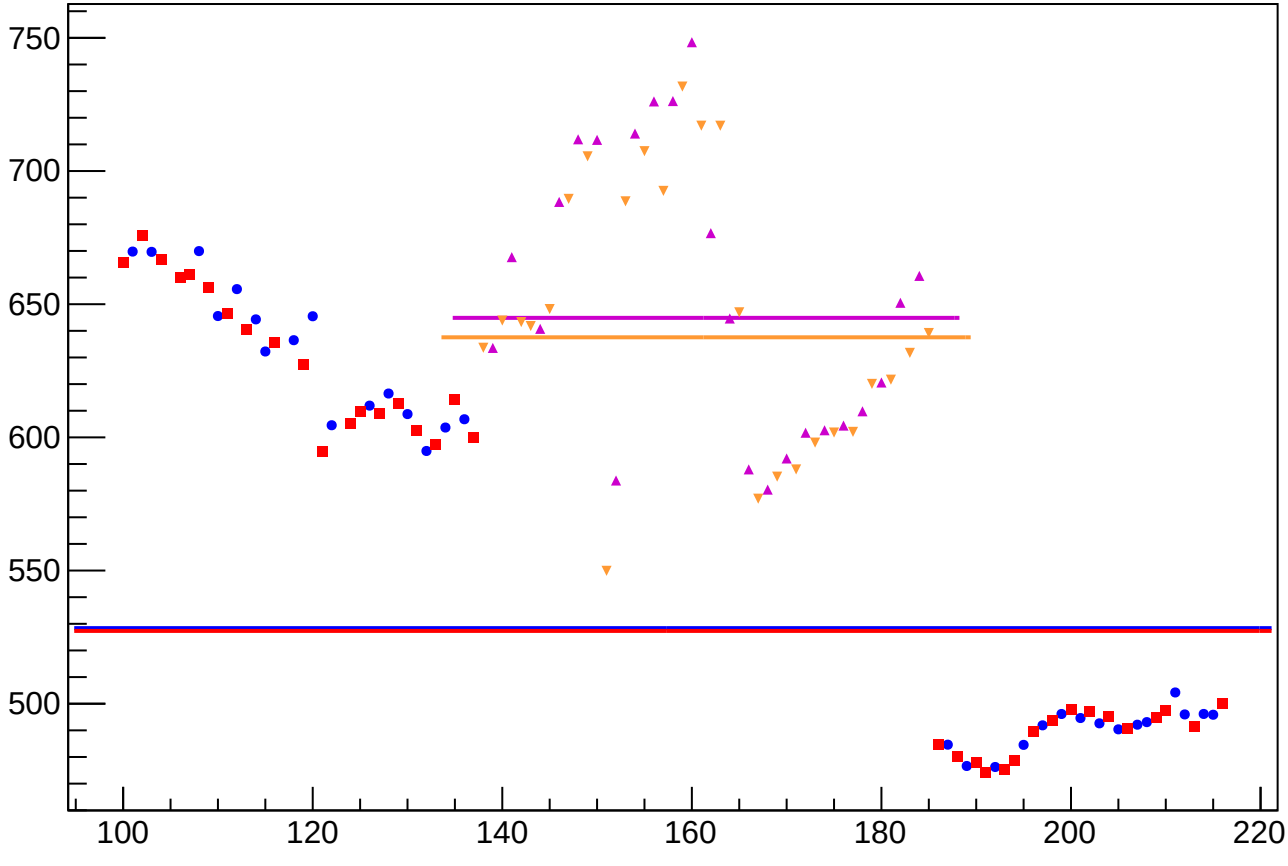
Right: 1.202+/-0.085 χ^2/NDF: 162925.5/65

In: 16.864+/-0.095 χ^2/NDF:62812.4/53

Out: 7.589+/-0.092 χ^2/NDF:161815.7/59

All: 12.114+/-0.066 χ^2/NDF: 229559.9/113

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: 527.336+/-0.084 χ^2/NDF: 573952.6/34

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

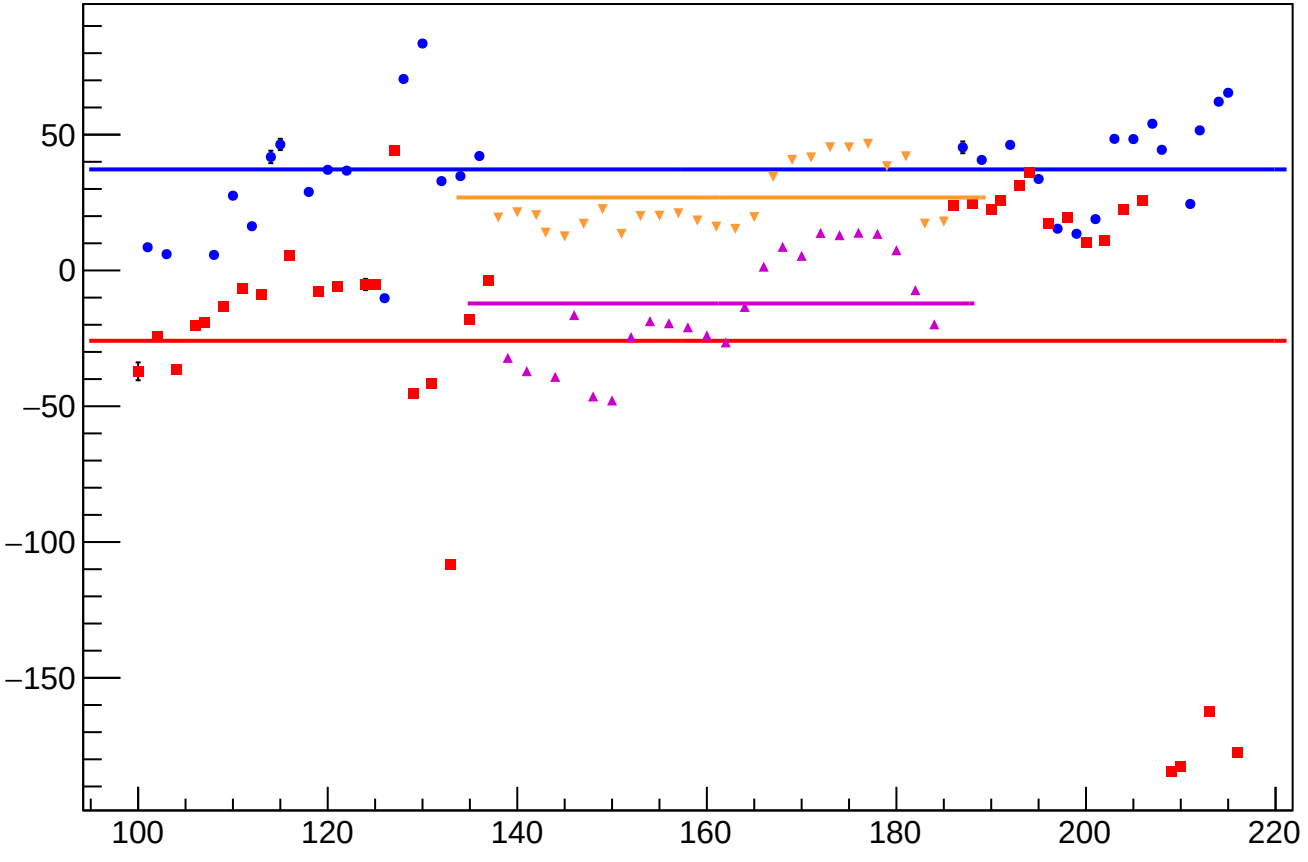
Right: 527.850+/-0.060 χ^2/NDF: 1115892.5/65

In: 573.885+/-0.067 χ^2/NDF:1494539.5/53

Out: 571.688+/-0.065 χ^2/NDF:1497268.6/59

All: 572.760+/-0.047 χ^2/NDF: 2992361.4/113

diff_bpm1i04X_mean vs Slug, Sign Corrected



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: -25.901+/-0.196 χ^2/NDF: 121143.2/34

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

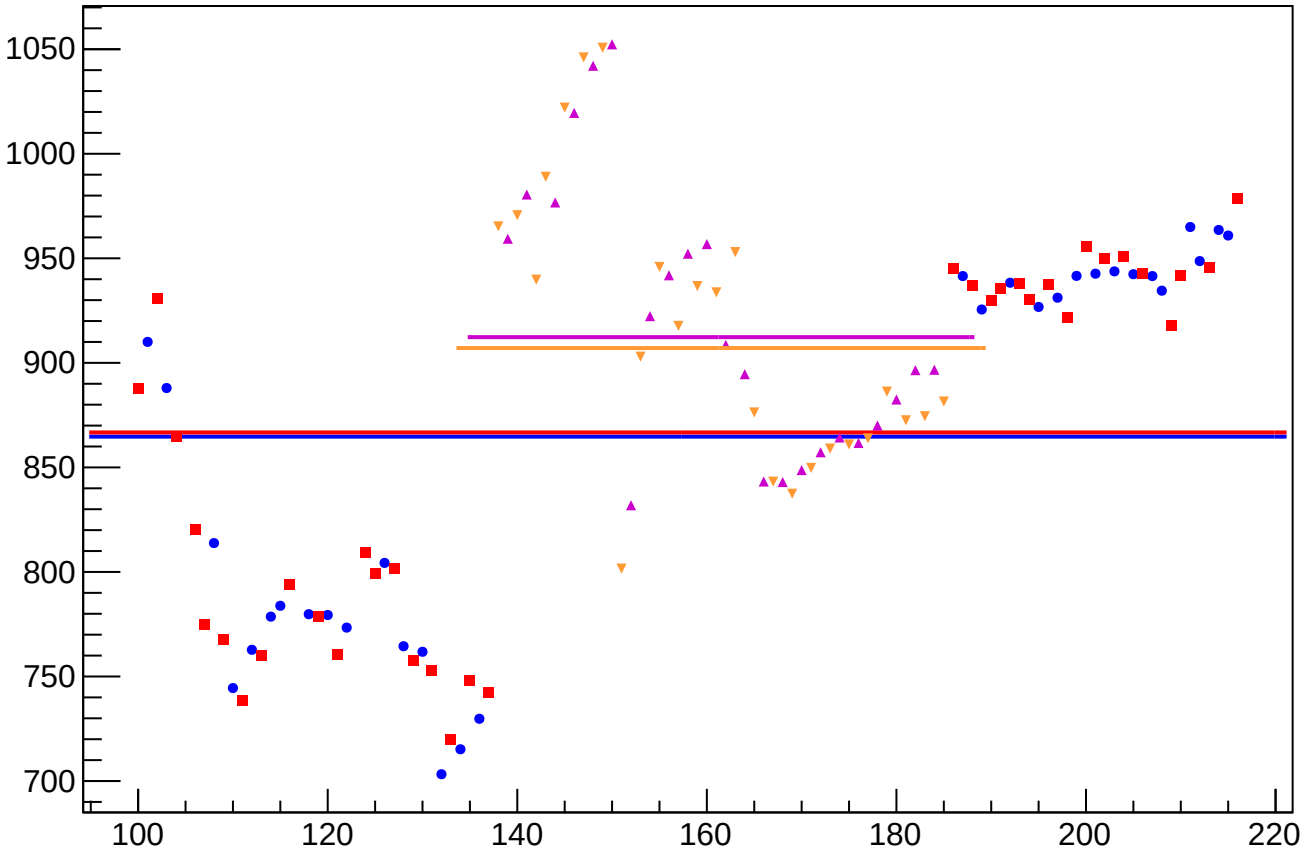
Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

Right: 5.294+/-0.139 χ^2/NDF: 183237.0/65

In: 14.408+/-0.145 χ^2/NDF:47962.8/53

Out: -0.955+/-0.142 χ^2/NDF:158903.6/59

All: 6.561+/-0.102 χ^2/NDF: 212584.6/113



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: 866.724+/-0.138 χ^2/NDF: 397240.2/34

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

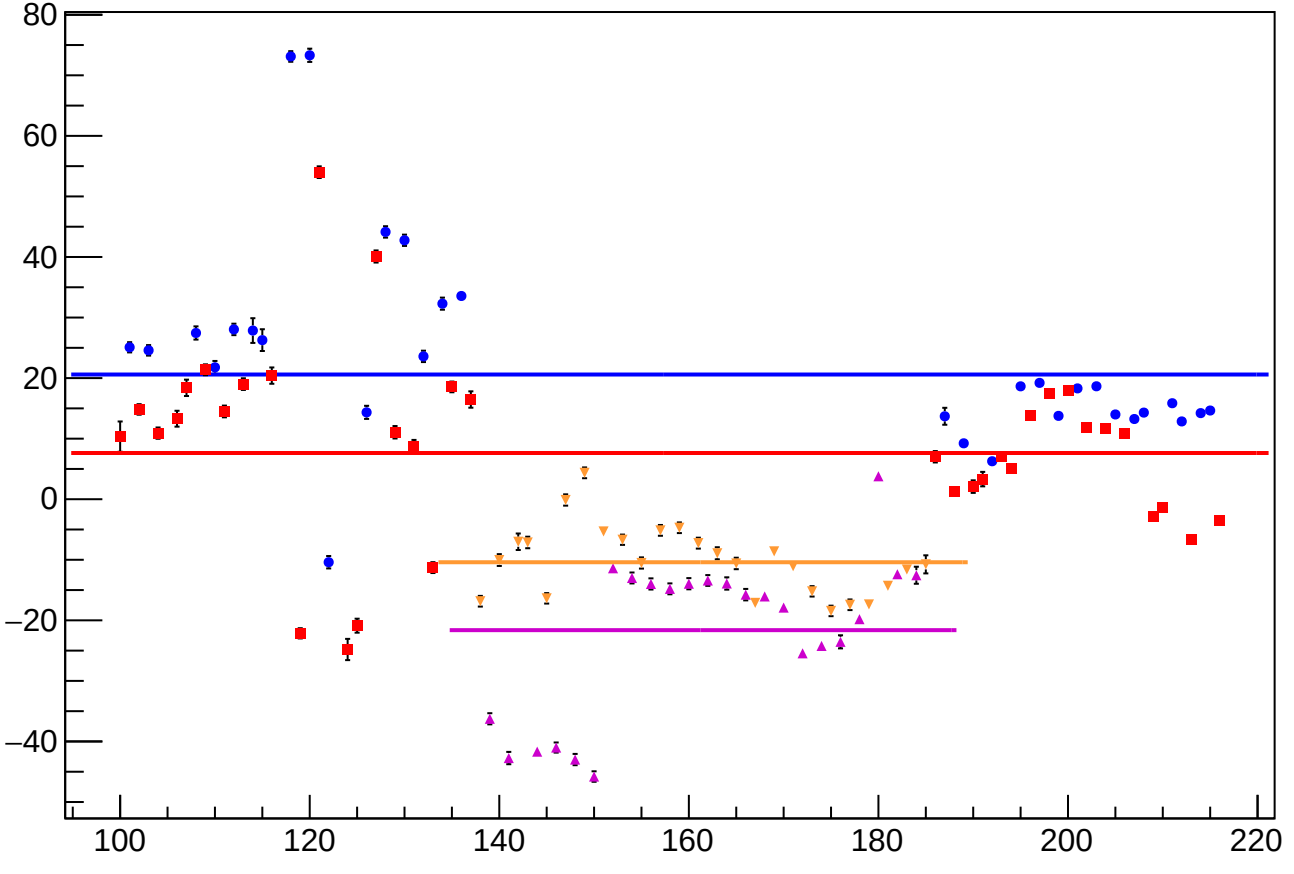
Right: 865.731+/-0.098 χ^2/NDF: 833816.4/65

In: 886.688+/-0.103 χ^2/NDF:664570.8/53

Out: 885.807+/-0.100 χ^2/NDF:632070.3/59

All: 886.238+/-0.072 χ^2/NDF: 1296678.8/113

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: 7.632+/-0.137 χ^2/NDF: 9203.5/34

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

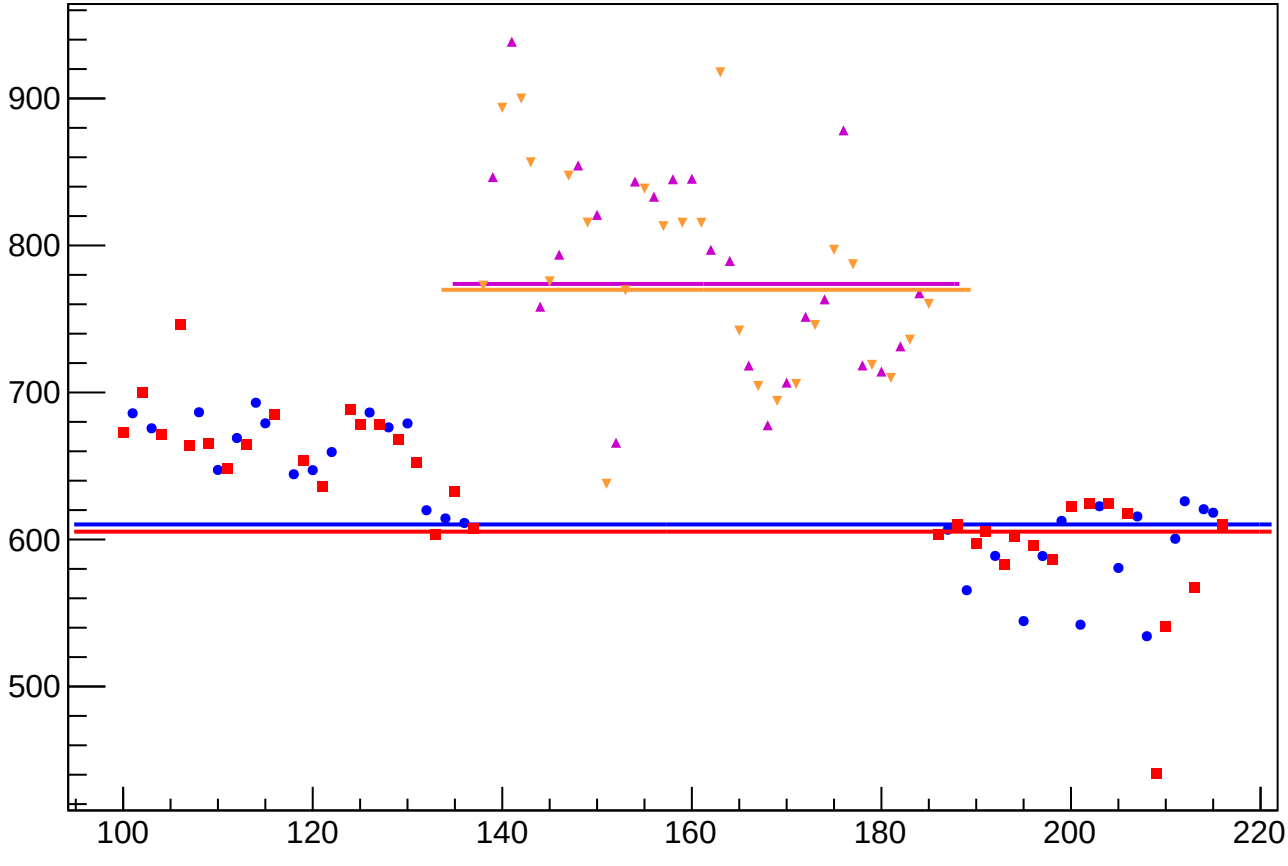
Right: 13.986+/-0.098 χ^2/NDF: 24029.6/65

In: 4.941+/-0.111 χ^2/NDF:49552.8/53

Out: 0.828+/-0.108 χ^2/NDF:16787.6/59

All: 2.834+/-0.077 χ^2/NDF: 67046.5/113

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: 605.336+/-0.097 χ^2/NDF: 408771.9/34

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

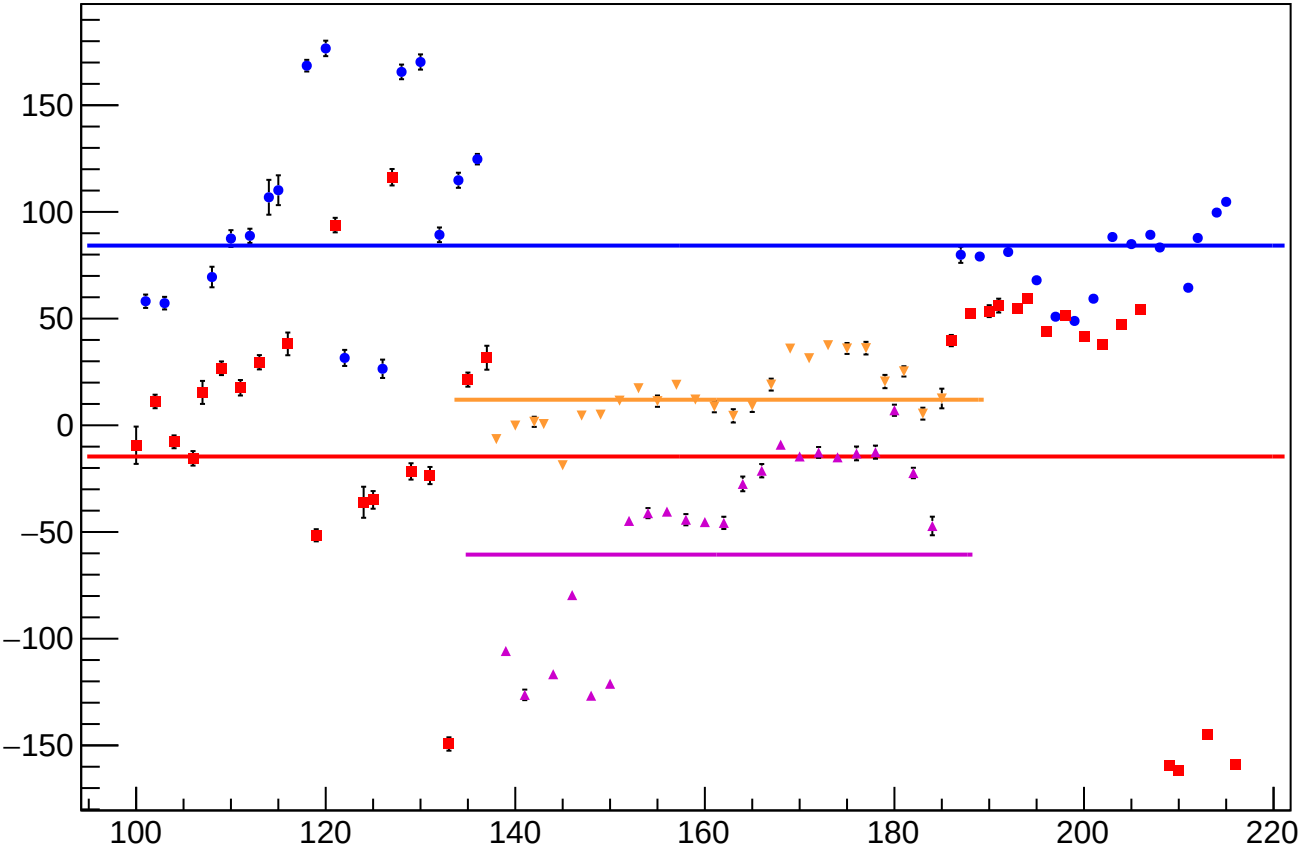
Right: 607.737+/-0.069 χ^2/NDF: 606857.1/65

In: 670.896+/-0.078 χ^2/NDF:1497396.4/53

Out: 667.389+/-0.076 χ^2/NDF:1801627.3/59

All: 669.100+/-0.055 χ^2/NDF: 3300050.2/113

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: -14.622+/-0.406 χ^2/NDF: 49669.4/34

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

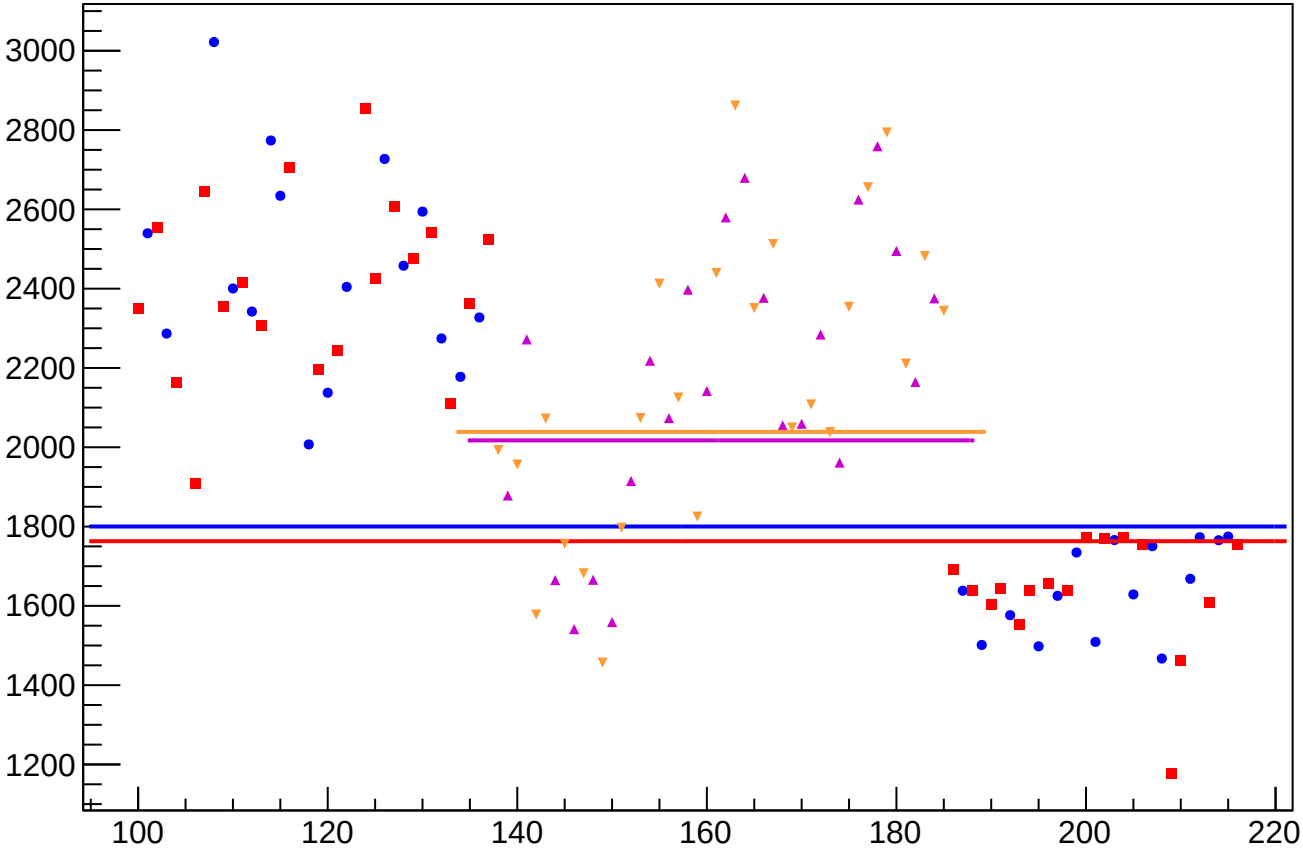
Right: 33.248+/-0.291 χ^2/NDF: 83406.3/65

In: 21.757+/-0.316 χ^2/NDF:65222.0/53

Out: -3.297+/-0.308 χ^2/NDF:52445.8/59

All: 8.900+/-0.220 χ^2/NDF: 120897.2/113

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: 1763.064+/-0.287 χ^2/NDF: 1597999.4/34

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

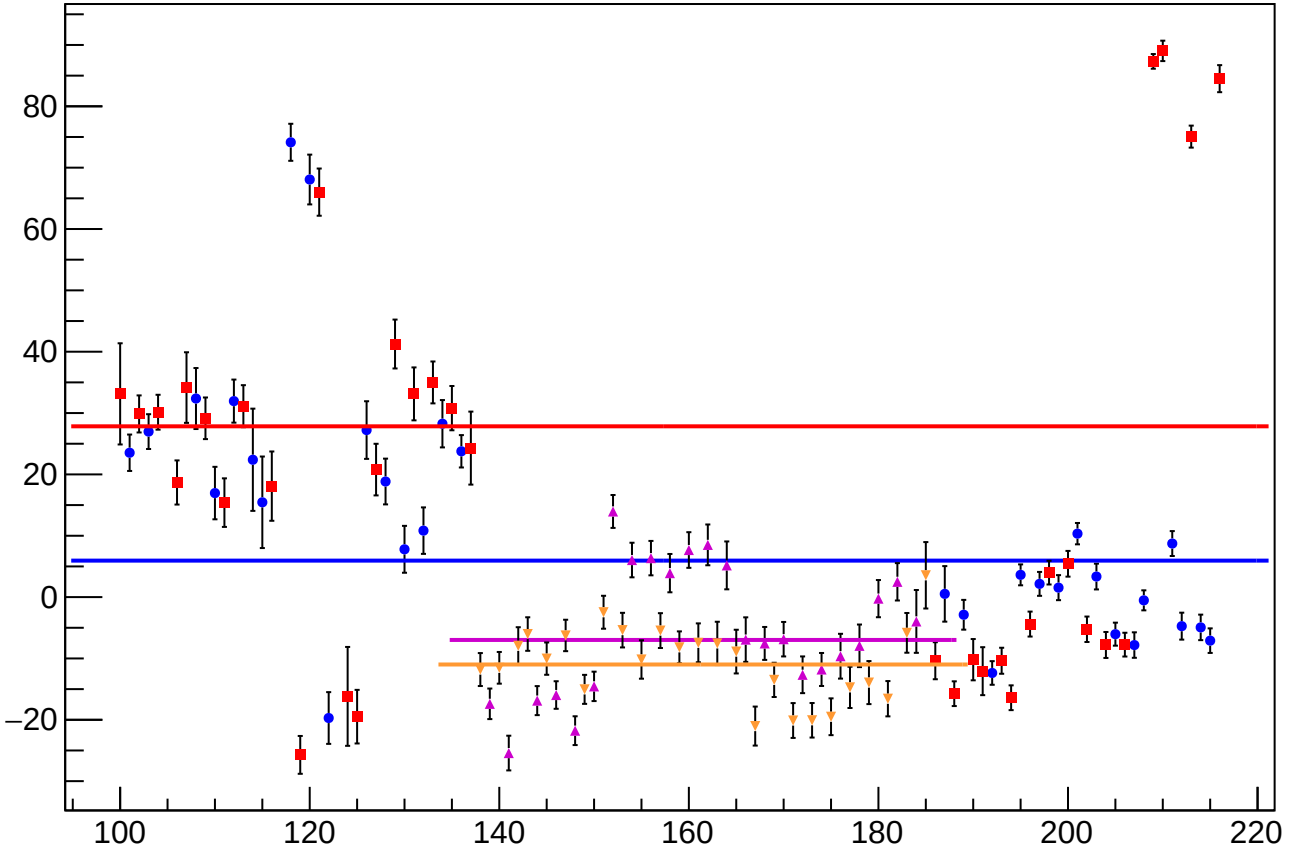
Right: 1781.012+/-0.206 χ^2/NDF: 2904591.1/65

In: 1893.809+/-0.223 χ^2/NDF:2580571.8/53

Out: 1880.403+/-0.218 χ^2/NDF:3114304.6/59

All: 1886.929+/-0.156 χ^2/NDF: 5696725.5/11

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: 27.838+/-0.437 χ^2/NDF: 8829.6/34

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

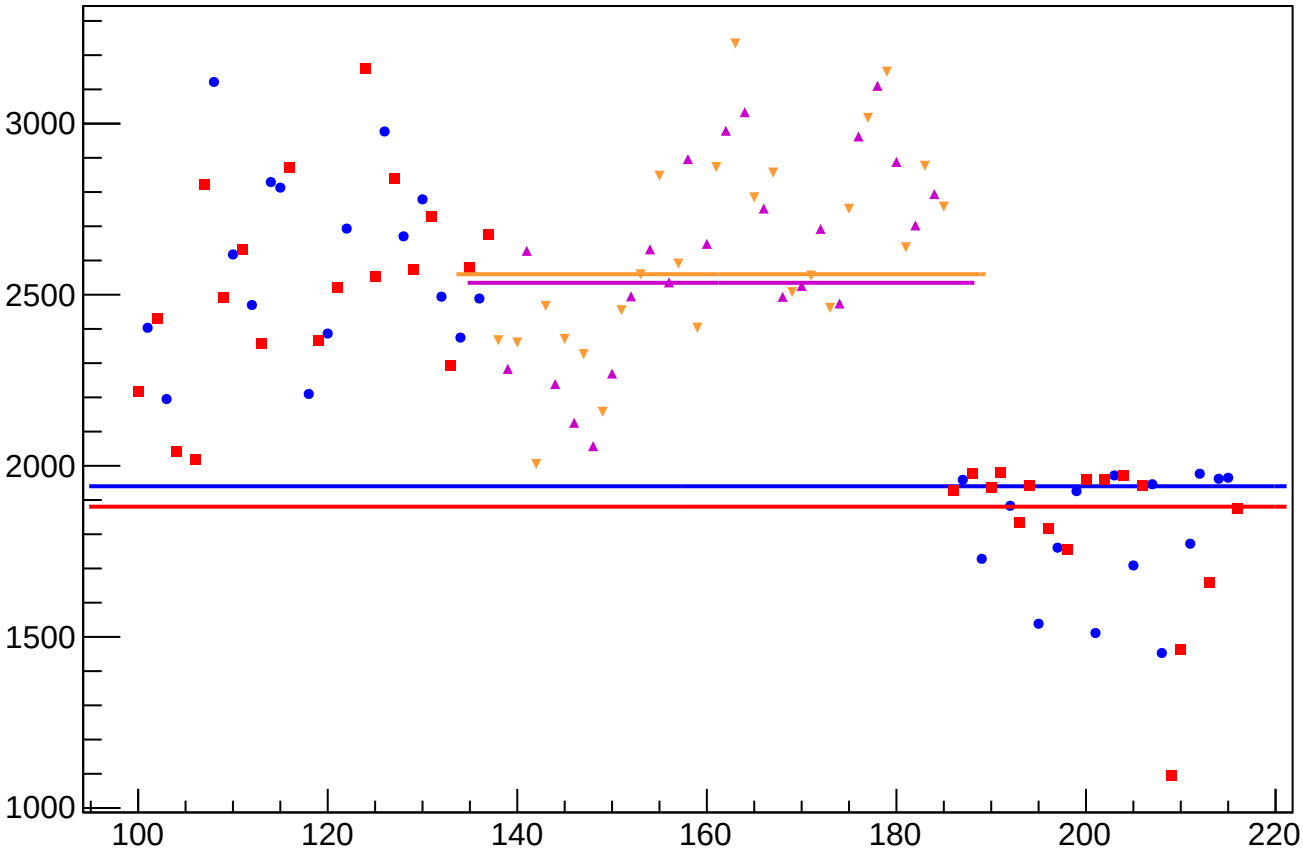
Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

Right: 17.312+/-0.315 χ^2/NDF: 11437.3/65

In: 1.225+/-0.362 χ^2/NDF:2035.9/53

Out: 13.968+/-0.350 χ^2/NDF:11739.4/59

All: 7.801+/-0.252 χ^2/NDF: 14416.1/113



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: 1880.567+/-0.309 χ^2/NDF: 2005788.1/34

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

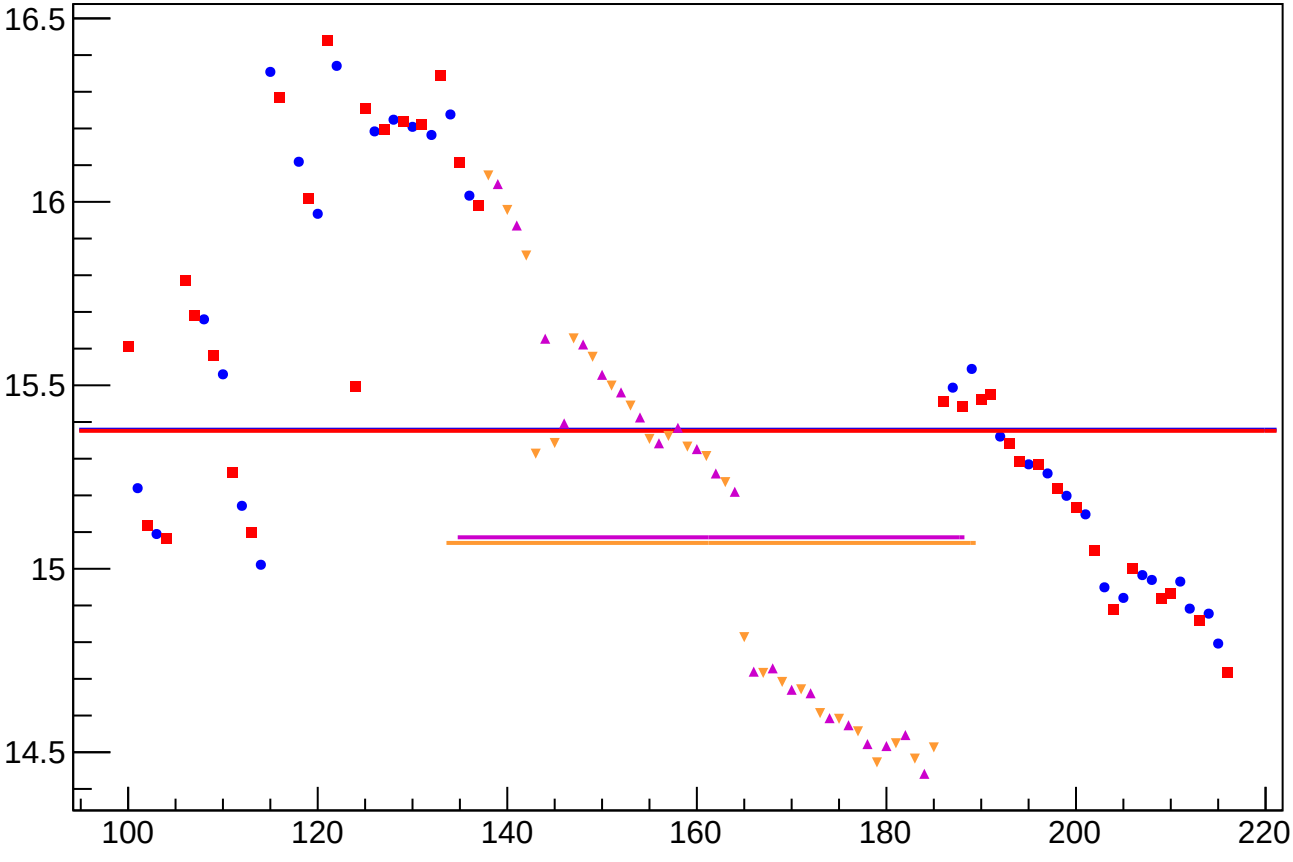
Right: 1909.262+/-0.223 χ^2/NDF: 3367078.5/65

In: 2157.337+/-0.256 χ^2/NDF:3060069.2/53

Out: 2123.281+/-0.248 χ^2/NDF:4184330.9/59

All: 2139.762+/-0.178 χ^2/NDF: 7253553.7/11

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: 15.376+/-0.000 χ^2/NDF: 26282723807.1/34

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

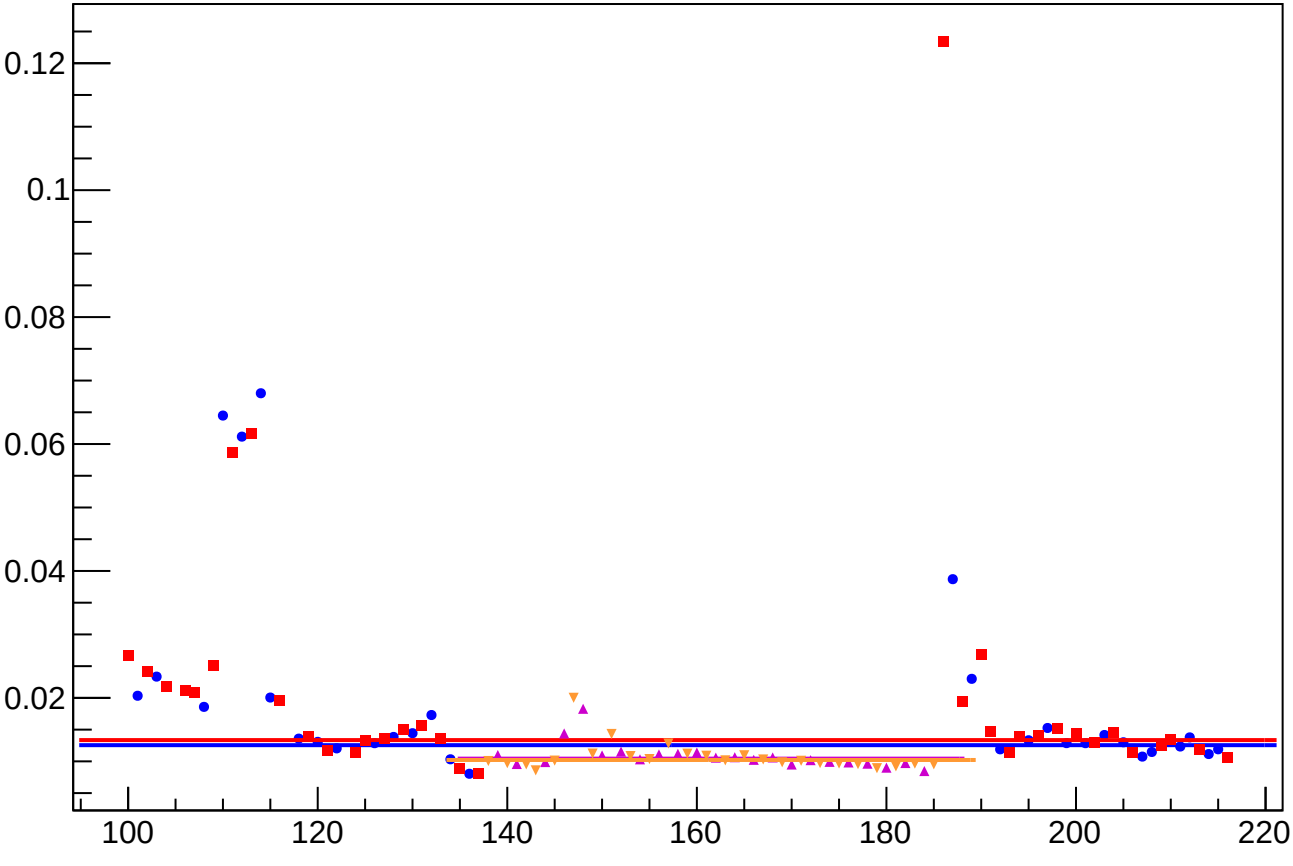
Right: 15.378+/-0.000 χ^2/NDF: 55094079881.1/65

In: 15.204+/-0.000 χ^2/NDF:73793448703.9/53

Out: 15.179+/-0.000 χ^2/NDF:75739942633.9/59

All: 15.191+/-0.000 χ^2/NDF: 149620433353.

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: 0.013+/-0.000 χ^2/NDF: 3492129.1/34

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

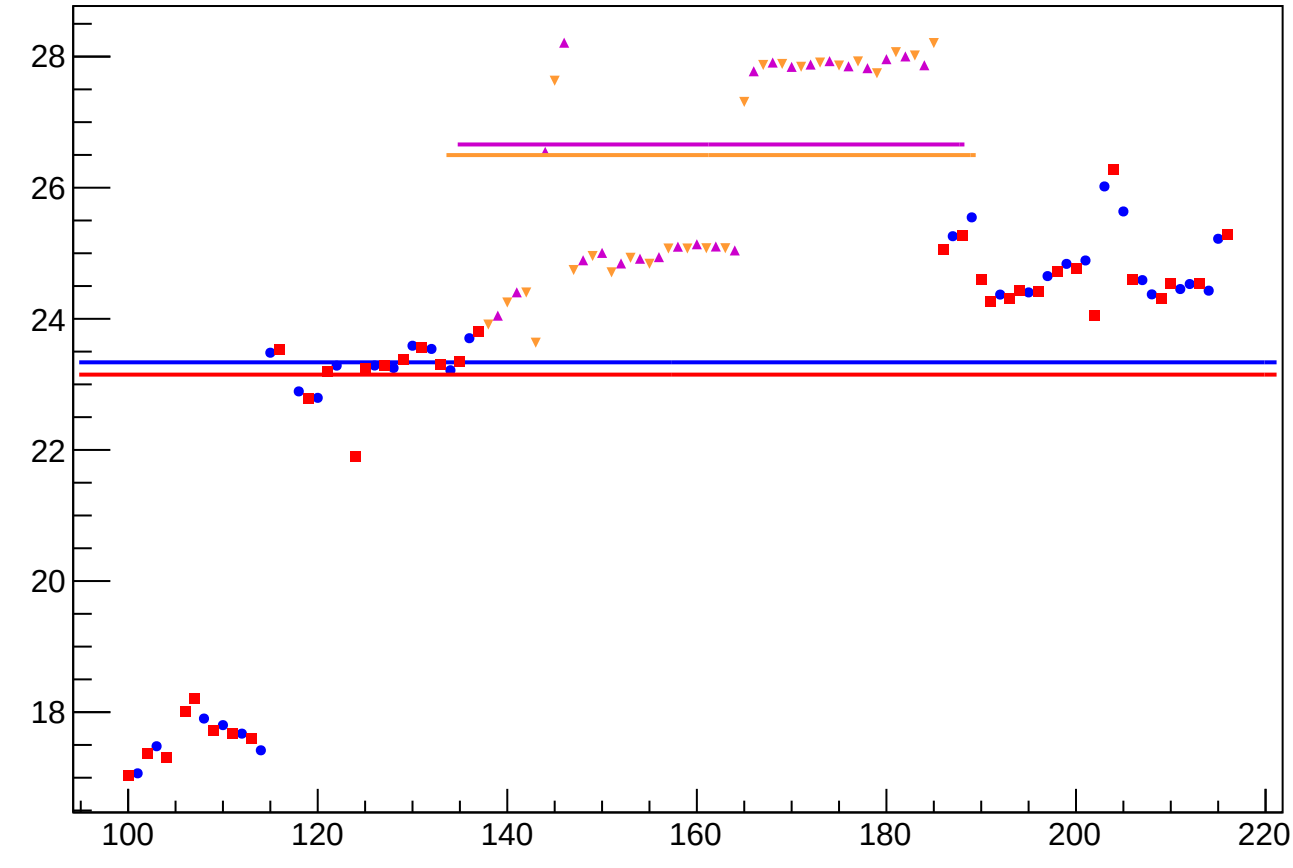
Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

Right: 0.013+/-0.000 χ^2/NDF: 6438689.8/65

In: 0.011+/-0.000 χ^2/NDF:4053747.0/53

Out: 0.011+/-0.000 χ^2/NDF:5460177.7/59

All: 0.011+/-0.000 χ^2/NDF: 9514380.9/113



Right In: 23.336+/-0.000 χ^2/NDF: 1696395179.9/30

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.149+/-0.000 χ^2/NDF: 1790697485.3/34

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

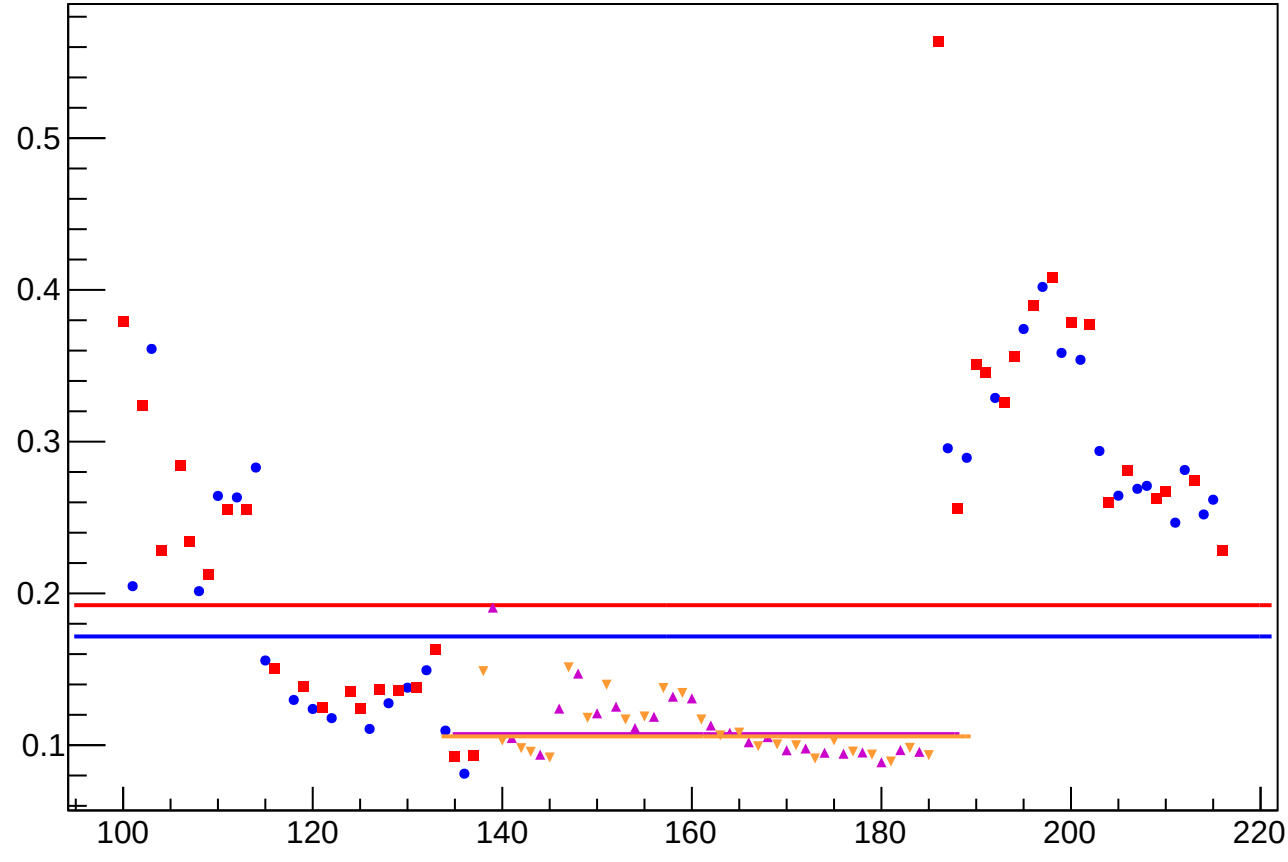
Right: 23.250+/-0.000 χ^2/NDF: 3494855605.7/65

In: 25.794+/-0.000 χ^2/NDF:8496597070.6/53

Out: 25.774+/-0.000 χ^2/NDF:9295832427.1/59

All: 25.784+/-0.000 χ^2/NDF: 17792810028.8

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: 0.192+/-0.000 χ^2/NDF: 6699171.7/34

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

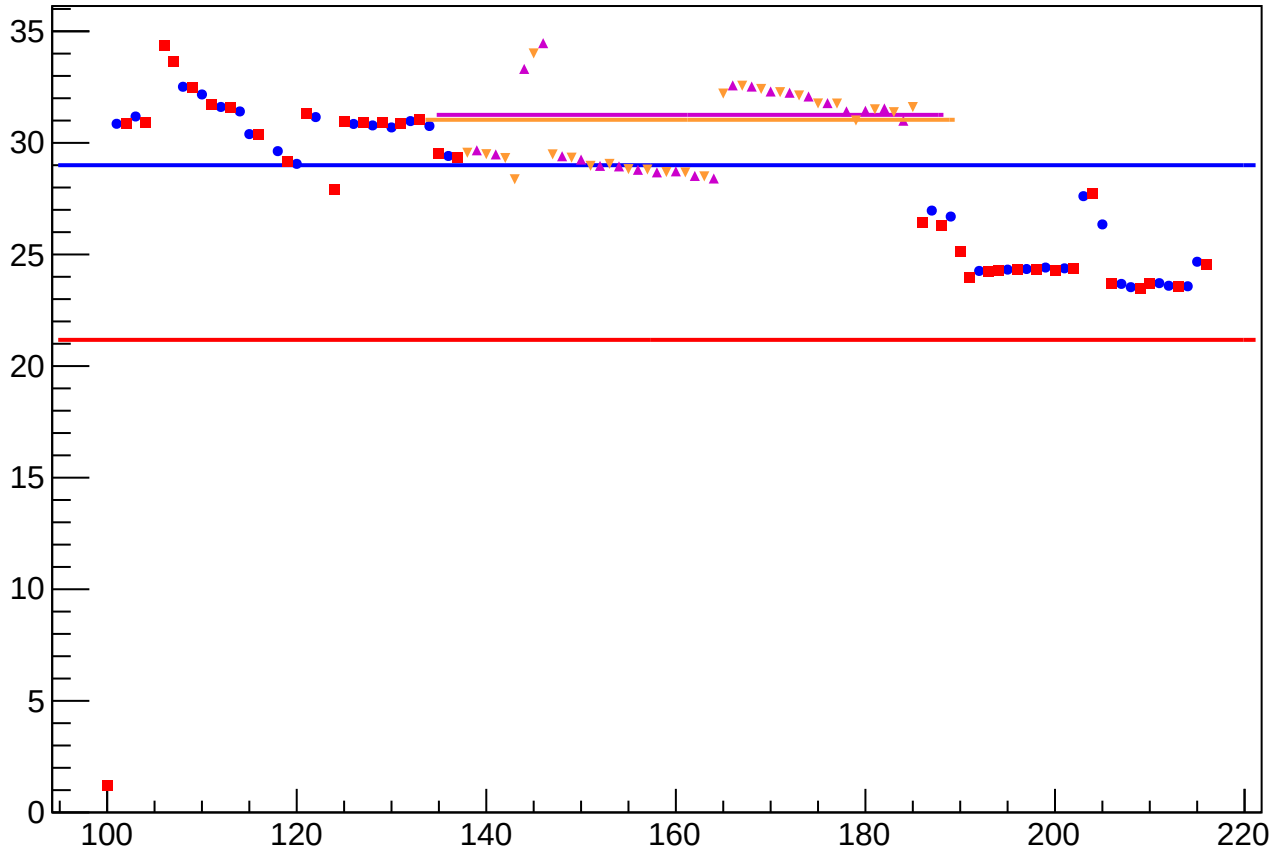
Right: 0.181+/-0.000 χ^2/NDF: 14468339.0/65

In: 0.124+/-0.000 χ^2/NDF:11377644.7/53

Out: 0.124+/-0.000 χ^2/NDF:12247996.6/59

All: 0.124+/-0.000 χ^2/NDF: 23626010.1/113

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: 21.174+/-0.000 χ^2/NDF: 226562359669.0/34

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

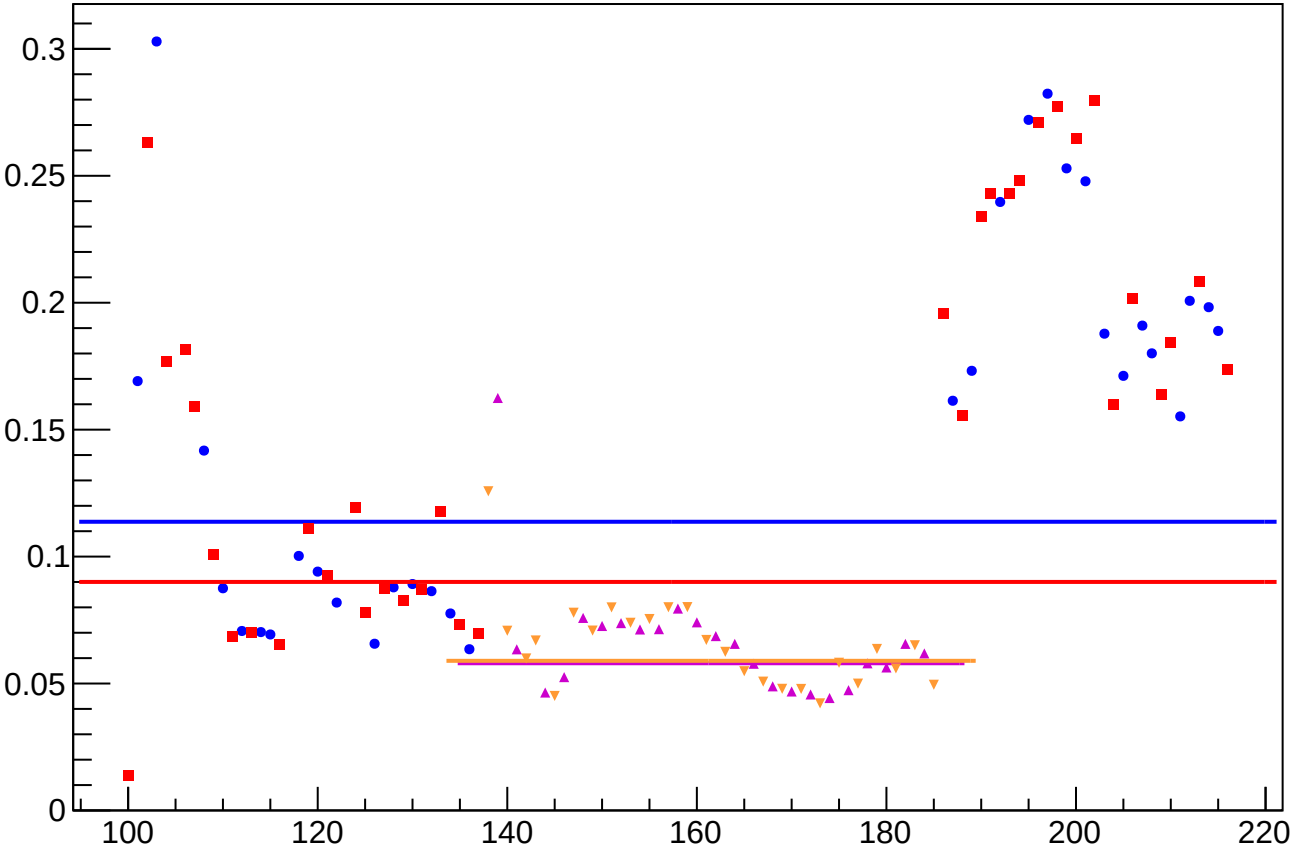
Right: 24.586+/-0.000 χ^2/NDF: 271555243684.8/65

In: 30.794+/-0.000 χ^2/NDF:25245942099.6/53

Out: 28.643+/-0.000 χ^2/NDF:339493280348.0/59

All: 29.672+/-0.000 χ^2/NDF: 377265335910.

yield_sam3_rms vs Slug, Sign Corrected



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: 0.090+/-0.000 χ^2/NDF: 13715741.2/34

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

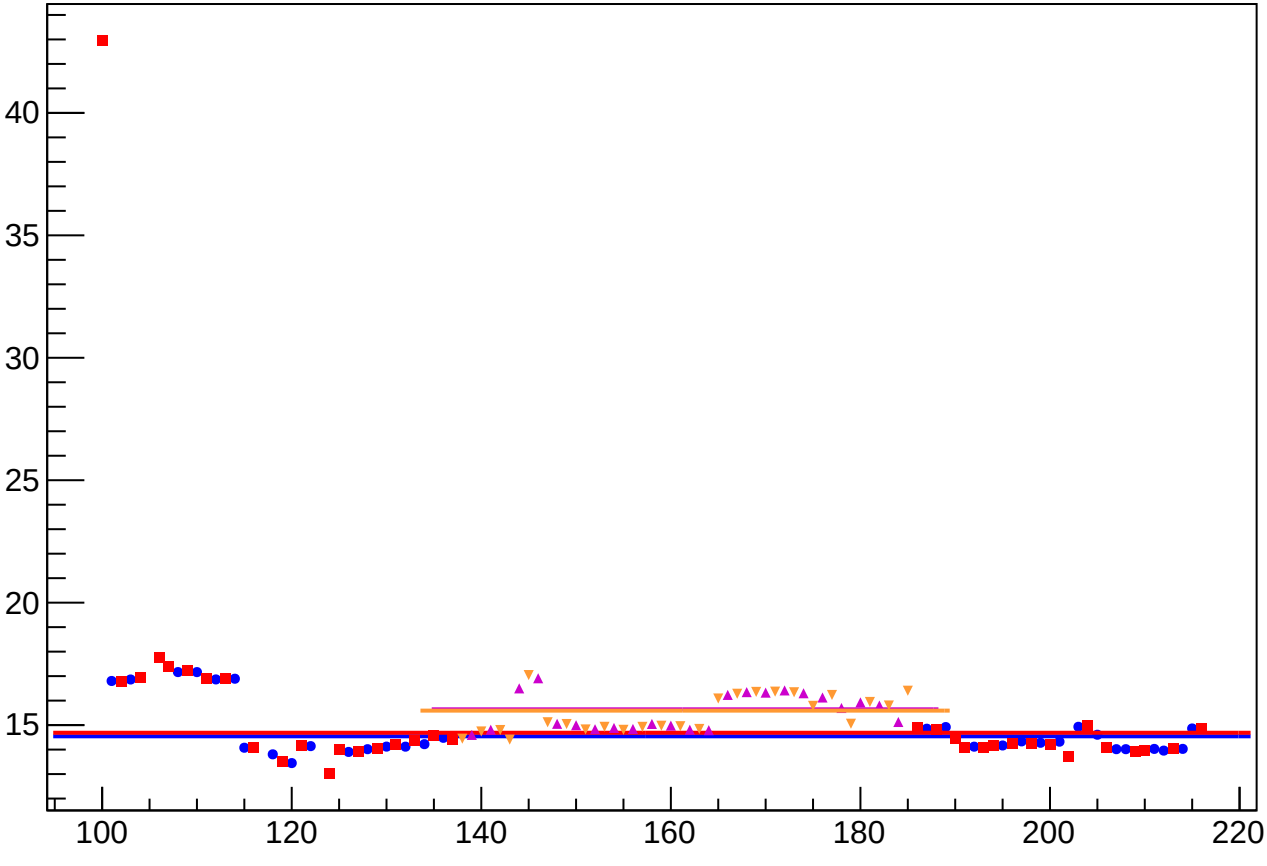
Right: 0.100+/-0.000 χ^2/NDF: 21928496.2/65

In: 0.069+/-0.000 χ^2/NDF:14499024.2/53

Out: 0.066+/-0.000 χ^2/NDF:17259232.0/59

All: 0.068+/-0.000 χ^2/NDF: 31803704.6/113

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: 14.687+/-0.000 χ^2/NDF: 1874951537.2/34

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

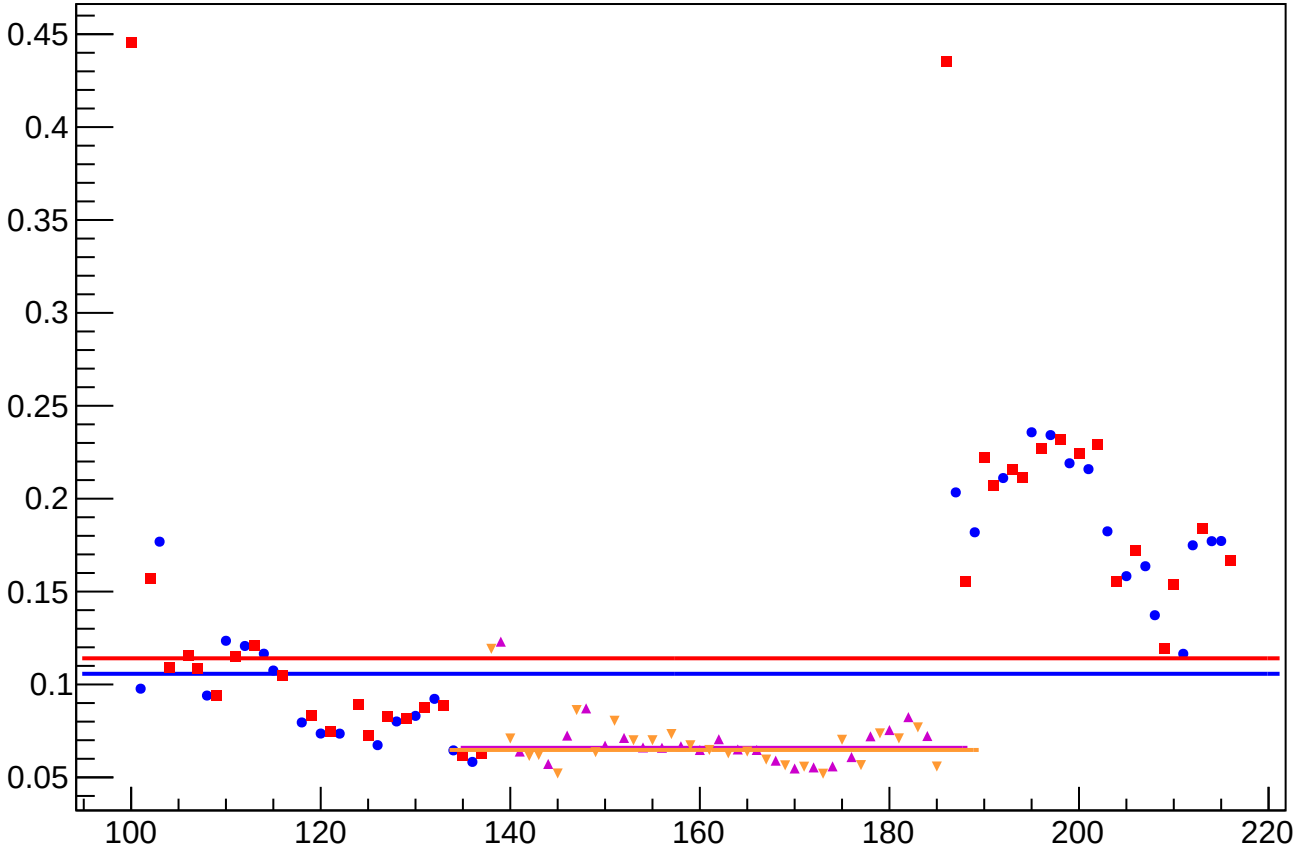
Right: 14.611+/-0.000 χ^2/NDF: 3161656615.1/65

In: 15.348+/-0.000 χ^2/NDF:4302181160.0/53

Out: 15.381+/-0.000 χ^2/NDF:4874985455.6/59

All: 15.365+/-0.000 χ^2/NDF: 9179854498.0/1

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: 0.114+/-0.000 χ^2/NDF: 6085798.8/34

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

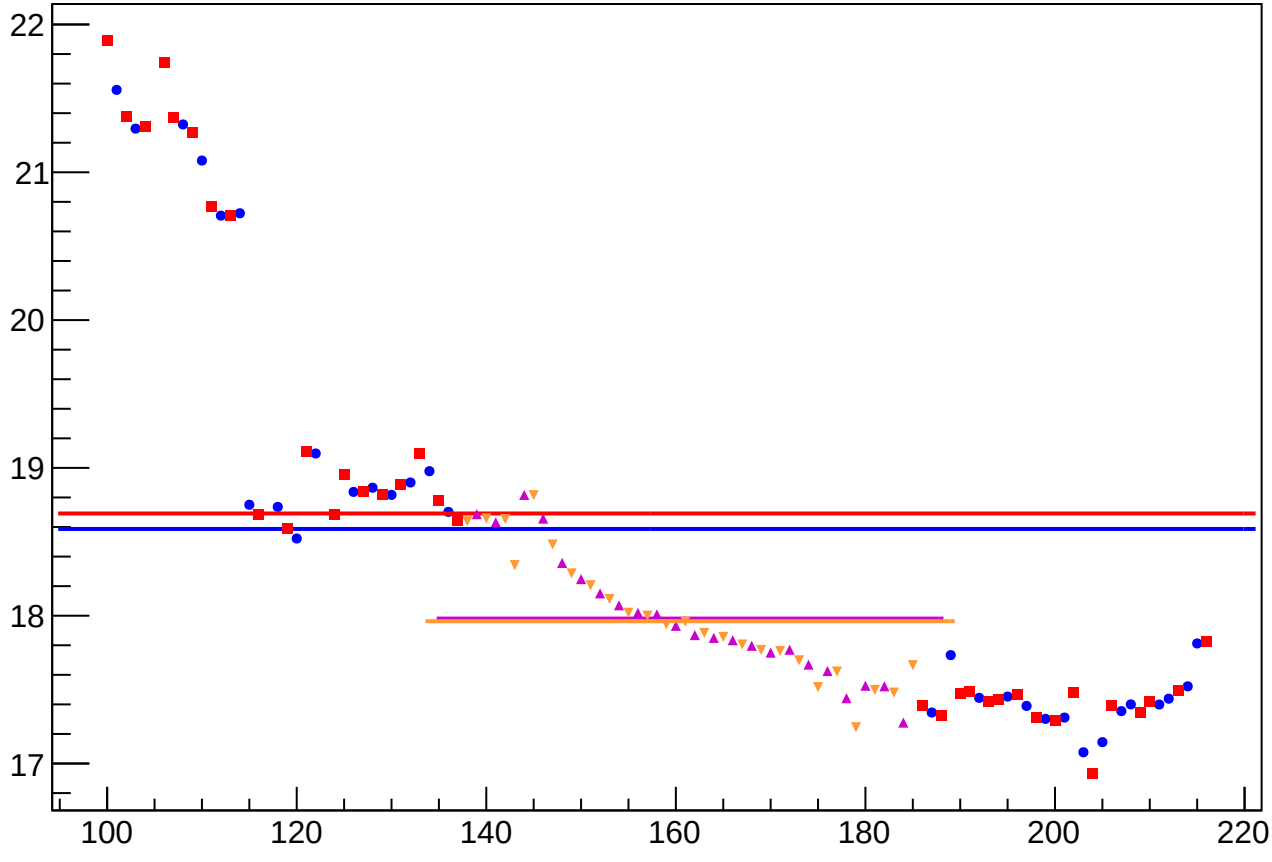
Right: 0.110+/-0.000 χ^2/NDF: 12653737.5/65

In: 0.077+/-0.000 χ^2/NDF:10328065.0/53

Out: 0.076+/-0.000 χ^2/NDF:11365002.3/59

All: 0.076+/-0.000 χ^2/NDF: 21693819.1/113

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: 18.692+/-0.000 χ^2/NDF: 37707281090.5/34

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

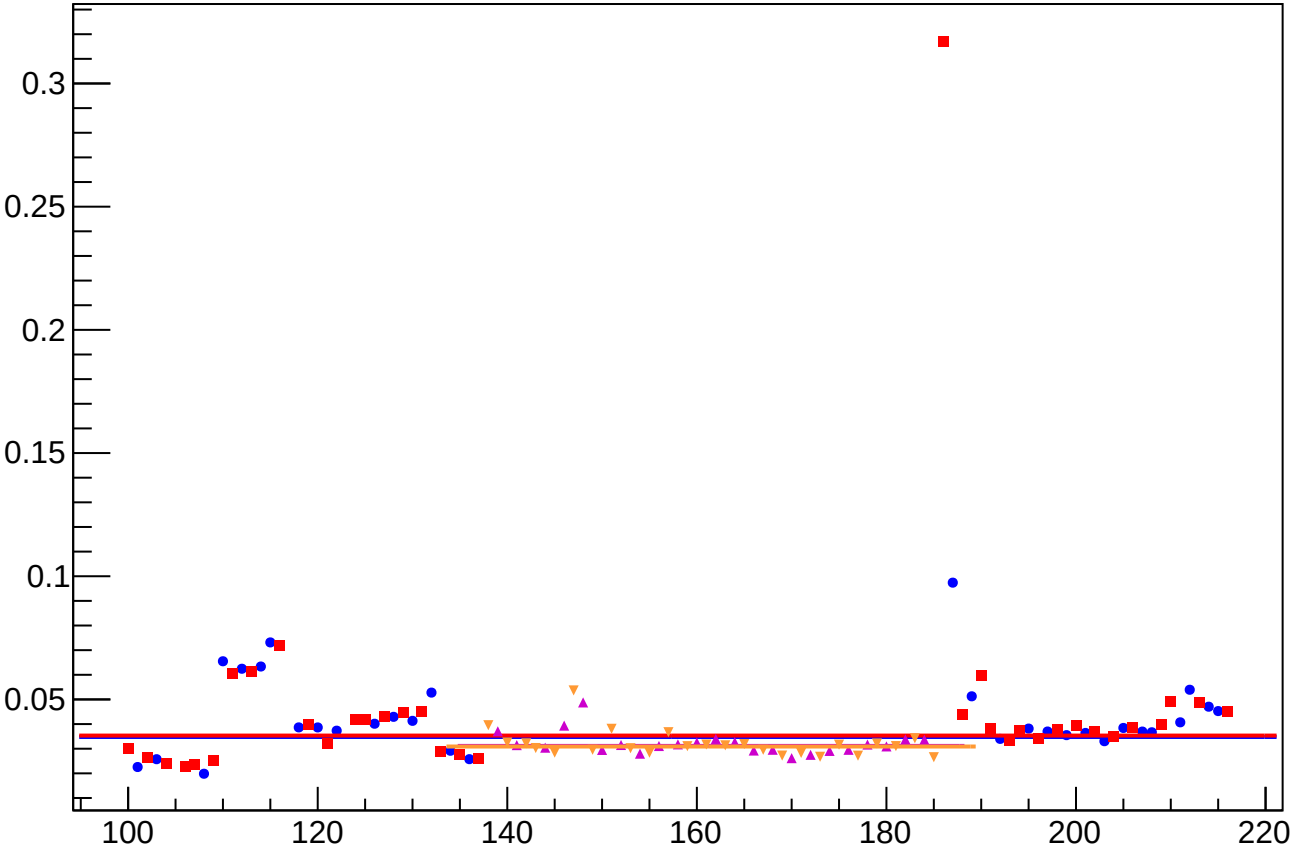
Right: 18.639+/-0.000 χ^2/NDF: 73001499167.7/65

In: 18.248+/-0.000 χ^2/NDF:40836018788.3/53

Out: 18.269+/-0.000 χ^2/NDF:45025075664.0/59

All: 18.258+/-0.000 χ^2/NDF: 85868079901.4

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: 2645562.3/34

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

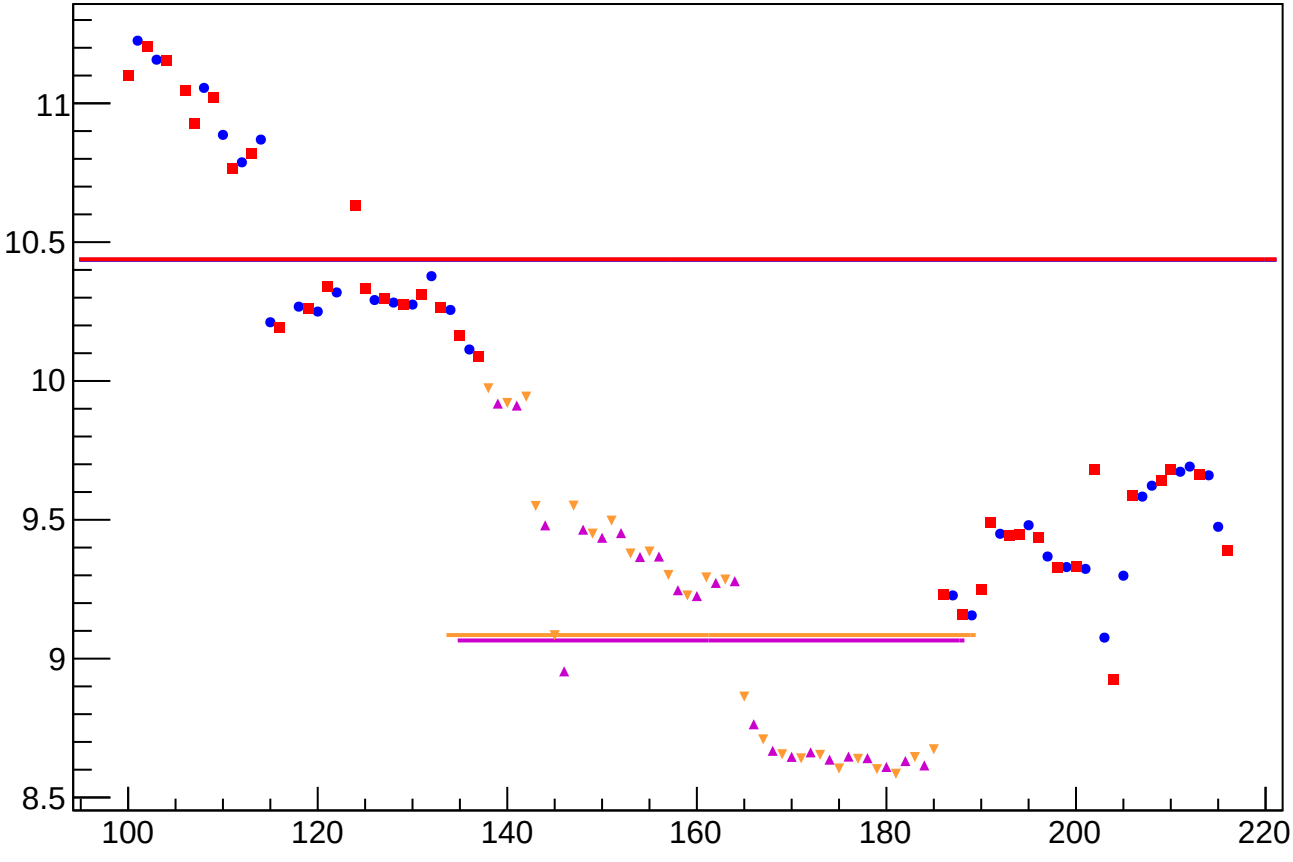
Right: 0.035+/-0.000 χ^2/NDF: 5109844.7/65

In: 0.033+/-0.000 χ^2/NDF:3150275.4/53

Out: 0.033+/-0.000 χ^2/NDF:3596929.7/59

All: 0.033+/-0.000 χ^2/NDF: 6747215.1/113

yield_sam6_mean vs Slug, Sign Corrected



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: 10.438+/-0.000 χ^2/NDF: 15163202050.3/34

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

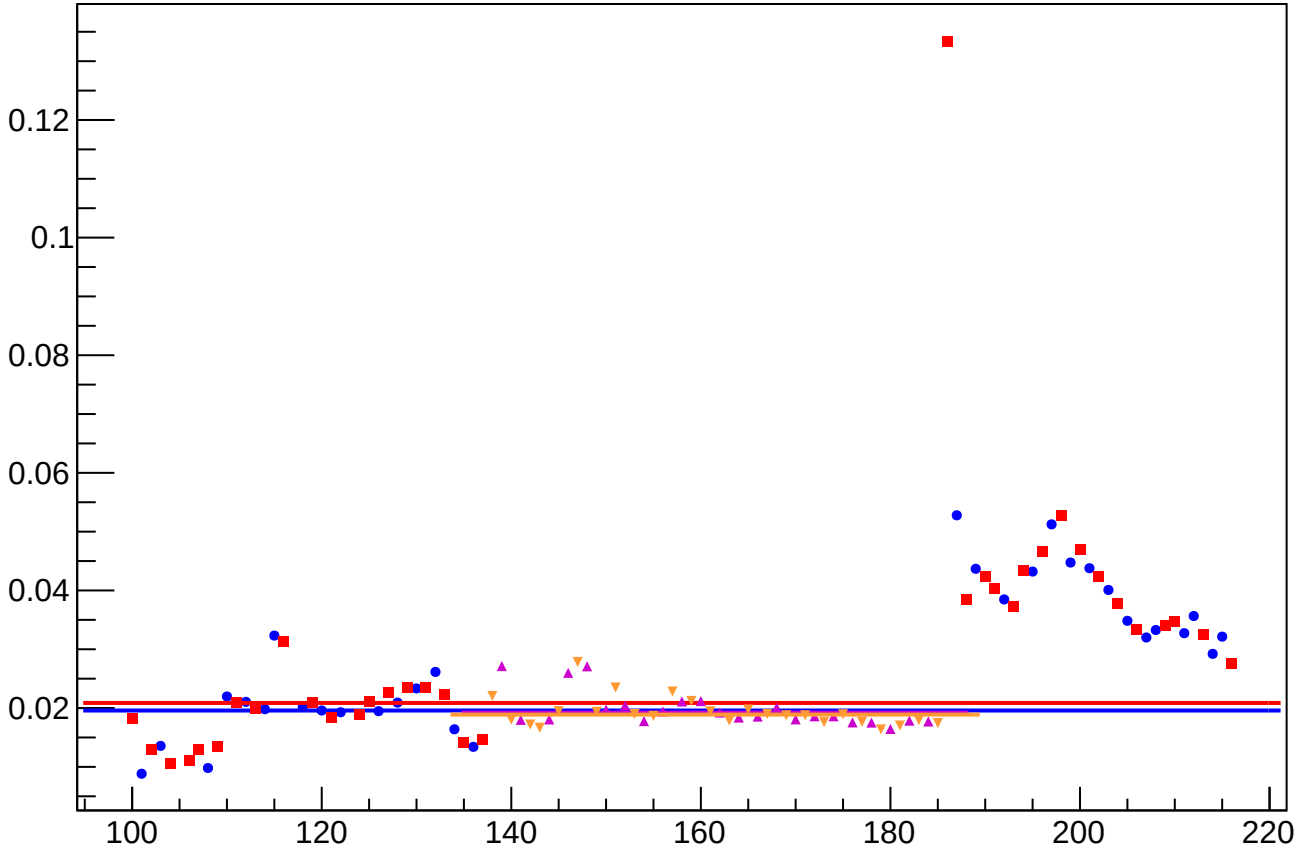
Right: 10.437+/-0.000 χ^2/NDF: 31639927665.6/65

In: 9.679+/-0.000 χ^2/NDF:62182308302.6/53

Out: 9.634+/-0.000 χ^2/NDF:61986390557.8/59

All: 9.656+/-0.000 χ^2/NDF: 124250016352.9

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: 8013167.3/34

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

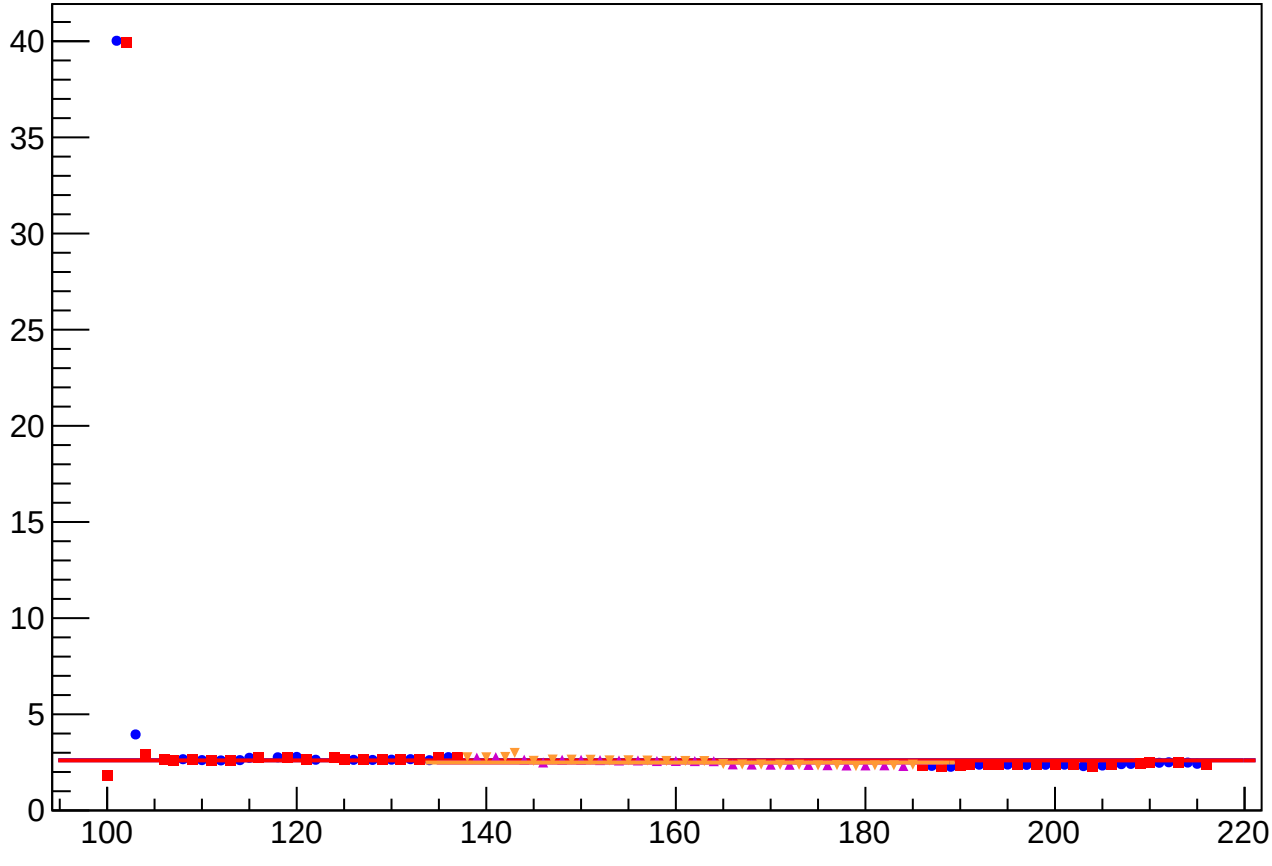
Right: 0.020+/-0.000 χ^2/NDF: 16488759.0/65

In: 0.019+/-0.000 χ^2/NDF:8963503.6/53

Out: 0.020+/-0.000 χ^2/NDF:8610810.3/59

All: 0.020+/-0.000 χ^2/NDF: 17582084.1/113

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: 2.603+/-0.000 χ^2/NDF: 86712827559.9/34

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

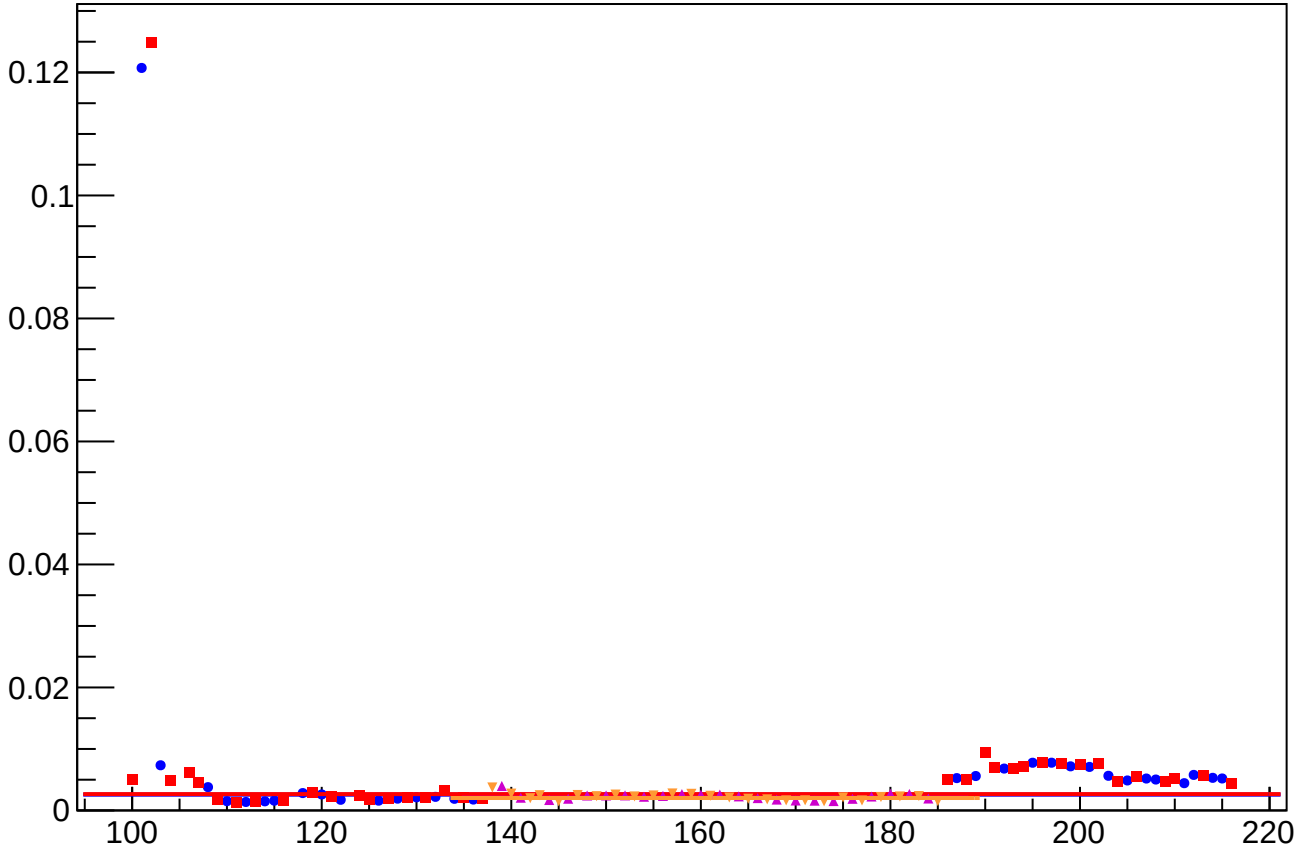
Right: 2.608+/-0.000 χ^2/NDF: 175437169144.9/65

In: 2.531+/-0.000 χ^2/NDF:167953213776.0/53

Out: 2.527+/-0.000 χ^2/NDF:193940450087.0/59

All: 2.529+/-0.000 χ^2/NDF: 361946303658.8

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: 11592551.1/34

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

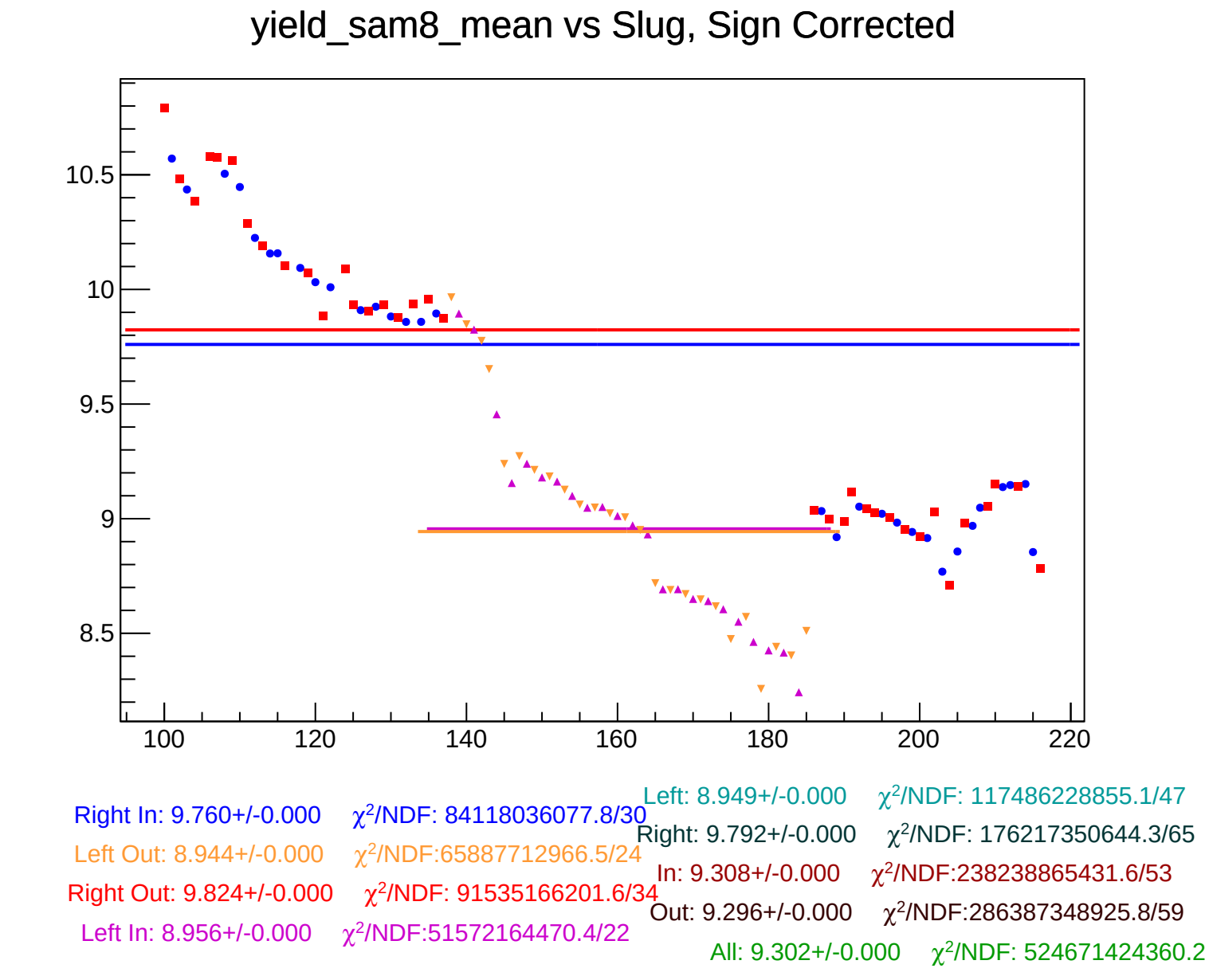
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.003+/-0.000 χ^2/NDF: 22410176.8/65

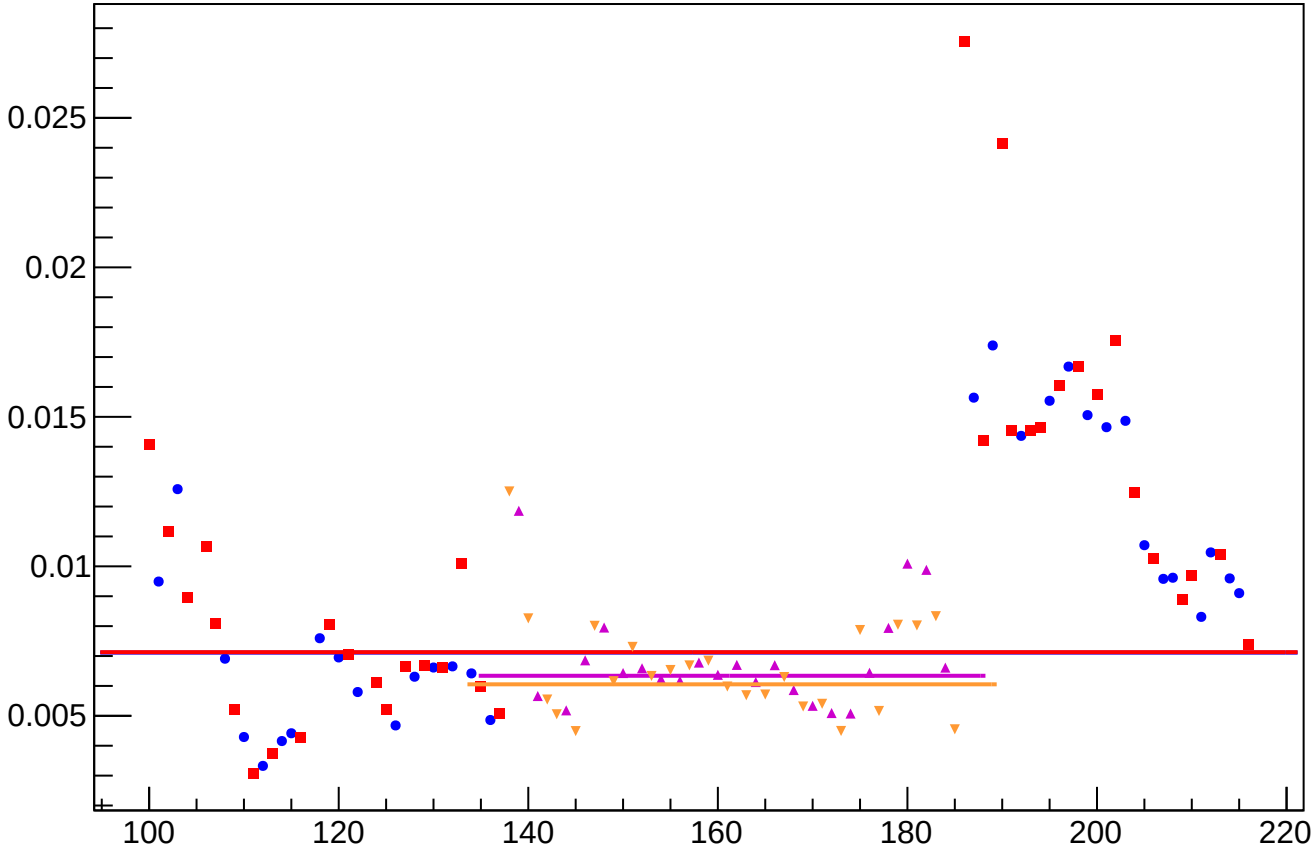
In: 0.002+/-0.000 χ^2/NDF:12800694.5/53

Out: 0.002+/-0.000 χ^2/NDF:14110893.6/59

All: 0.002+/-0.000 χ^2/NDF: 26912526.2/113


yield_sam8_mean vs Slug, Sign Corrected
10.5
10
9.5
9
8.5
100
120
140
160
180
200
220
Right In: 9.760+/-0.000 χ²/NDF: 84118036077.8/30
Left Out: 8.944+/-0.000 χ²/NDF:65887712966.5/24
Right Out: 9.824+/-0.000 χ²/NDF: 91535166201.6/34
Left In: 8.956+/-0.000 χ²/NDF:51572164470.4/22
Left: 8.949+/-0.000 χ²/NDF: 117486228855.1/47
Right: 9.792+/-0.000 χ²/NDF: 176217350644.3/65
In: 9.308+/-0.000 χ²/NDF:238238865431.6/53
Out: 9.296+/-0.000 χ²/NDF:286387348925.8/59
All: 9.302+/-0.000 χ²/NDF: 524671424360.2

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: 8343030.9/34

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

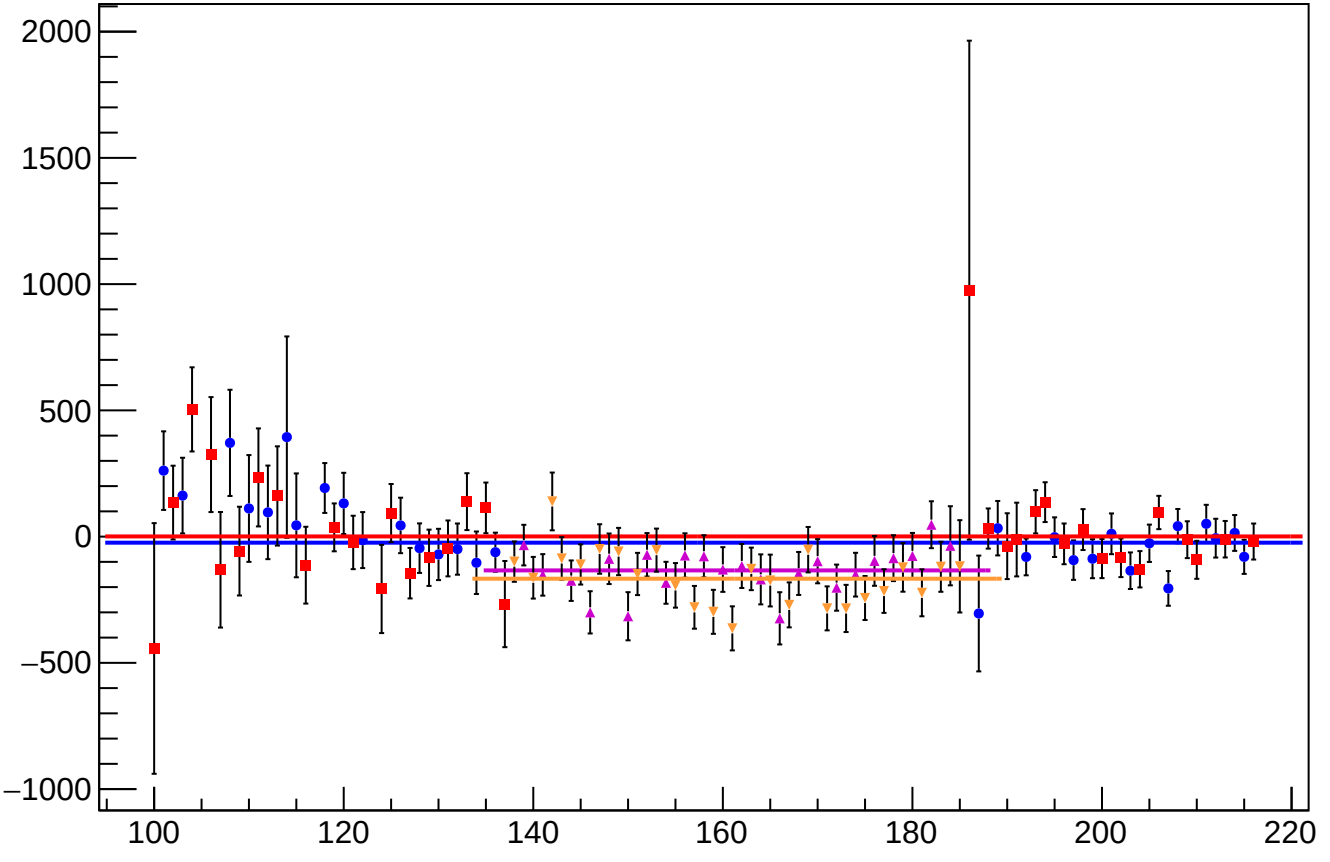
Right: 0.007+/-0.000 χ^2/NDF: 15041978.2/65

In: 0.007+/-0.000 χ^2/NDF:8064568.1/53

Out: 0.006+/-0.000 χ^2/NDF:10189437.6/59

All: 0.007+/-0.000 χ^2/NDF: 18279340.1/113

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: 0.733+/-17.105 χ^2/NDF: 41.5/34

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

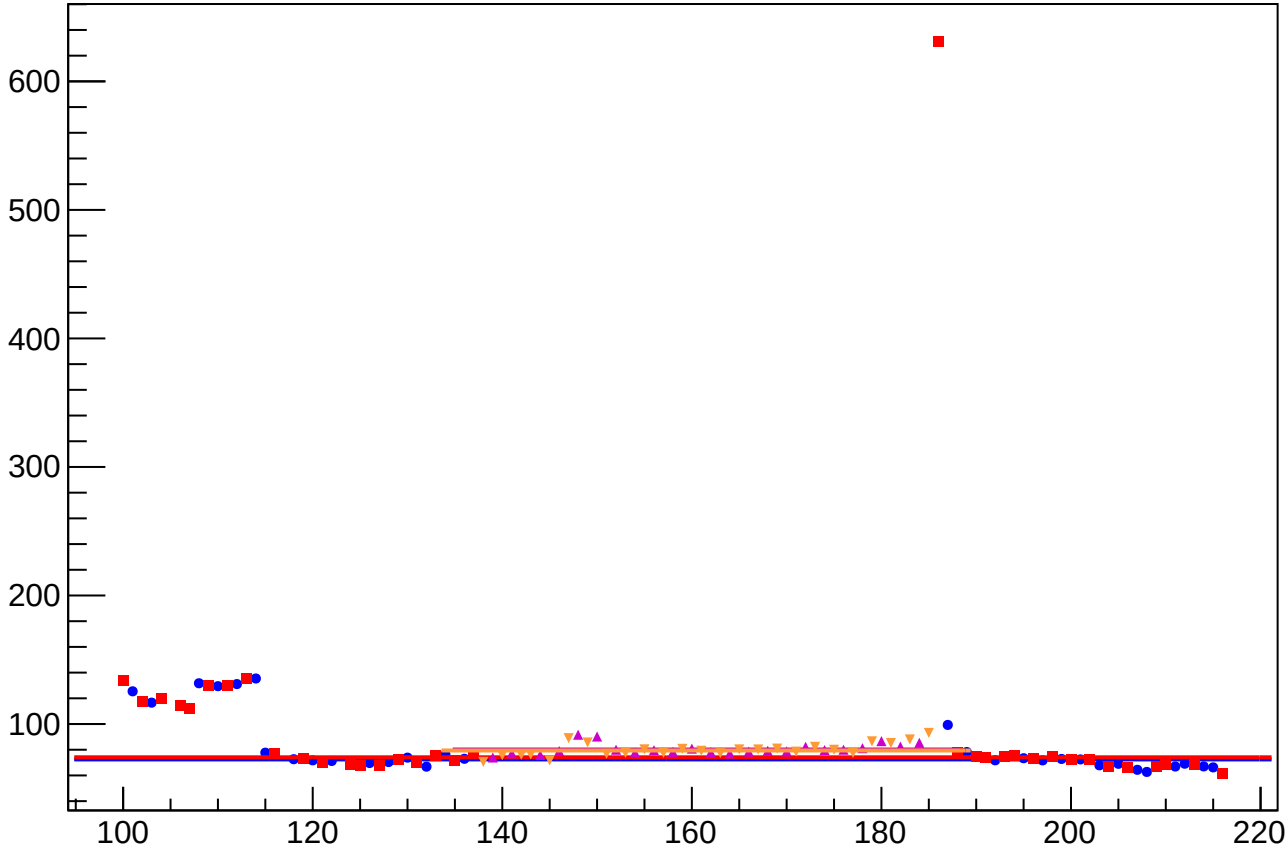
Right: -11.904+/-11.970 χ^2/NDF: 77.2/65

In: -72.779+/-12.496 χ^2/NDF:74.5/53

Out: -78.340+/-12.425 χ^2/NDF:118.4/59

All: -75.575+/-8.811 χ^2/NDF: 192.9/113

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: 74.111+/-0.012 χ^2/NDF: 1858317.5/34

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

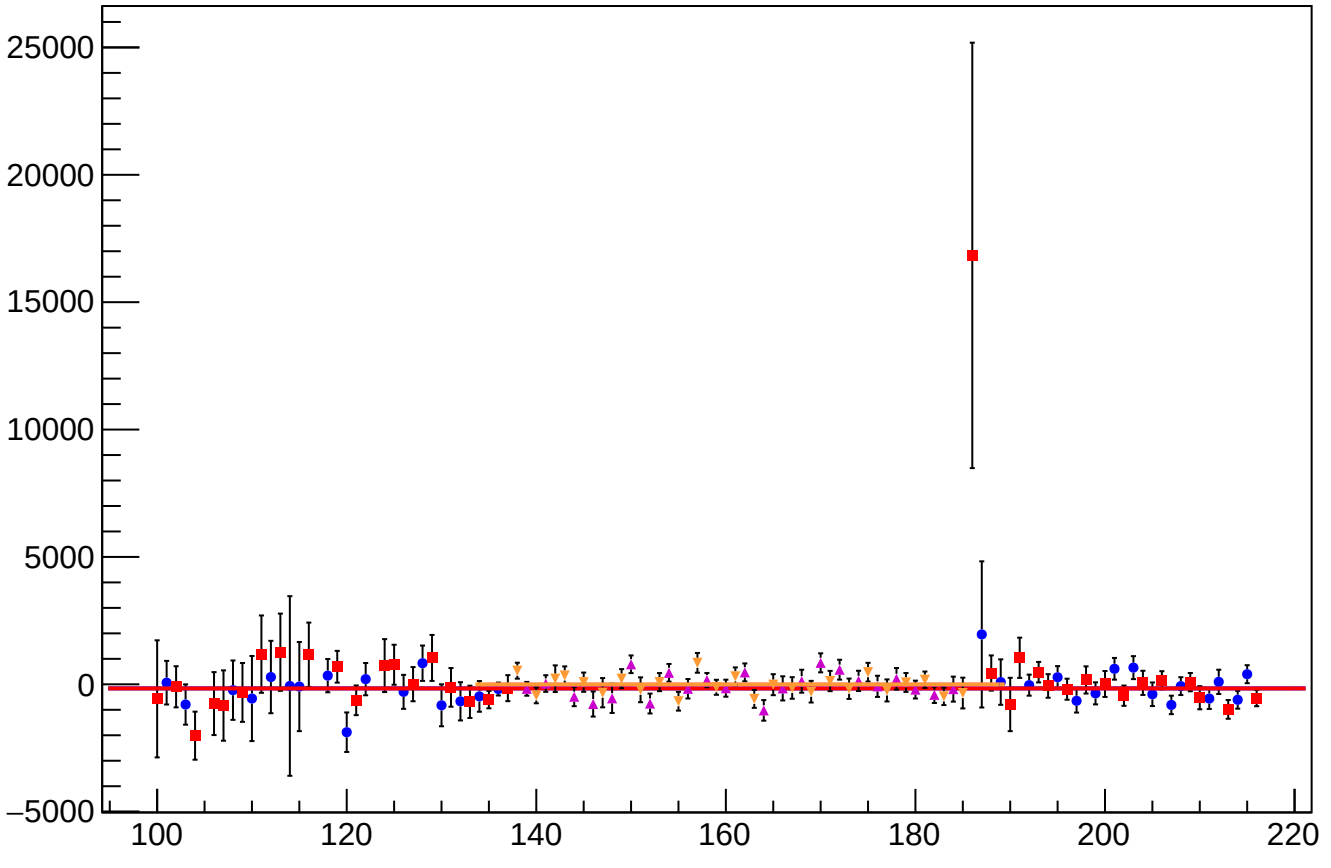
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 73.269+/-0.008 χ^2/NDF: 2997132.7/65

In: 75.878+/-0.009 χ^2/NDF:1408232.3/53

Out: 76.614+/-0.009 χ^2/NDF:2083788.1/59

All: 76.248+/-0.006 χ^2/NDF: 3495508.5/113



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: -161.198+/-94.635 χ^2/NDF: 35.7/34

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

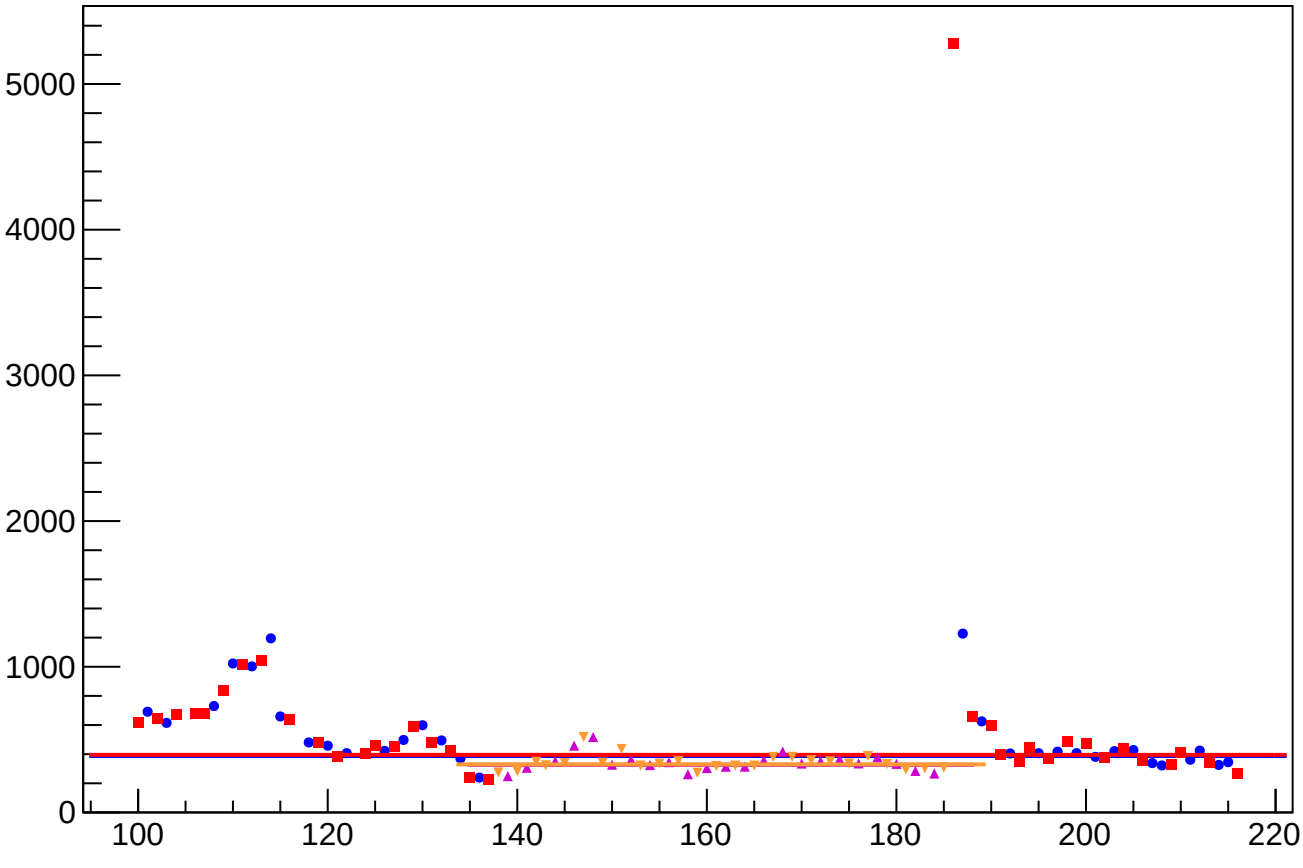
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -160.879+/-66.093 χ^2/NDF: 64.3/65

In: -77.716+/-59.383 χ^2/NDF:65.0/53

Out: -65.178+/-59.192 χ^2/NDF:61.5/59

All: -71.427+/-41.922 χ^2/NDF: 126.5/113



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: 395.238+/-0.067 χ^2/NDF: 4127472.7/34

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

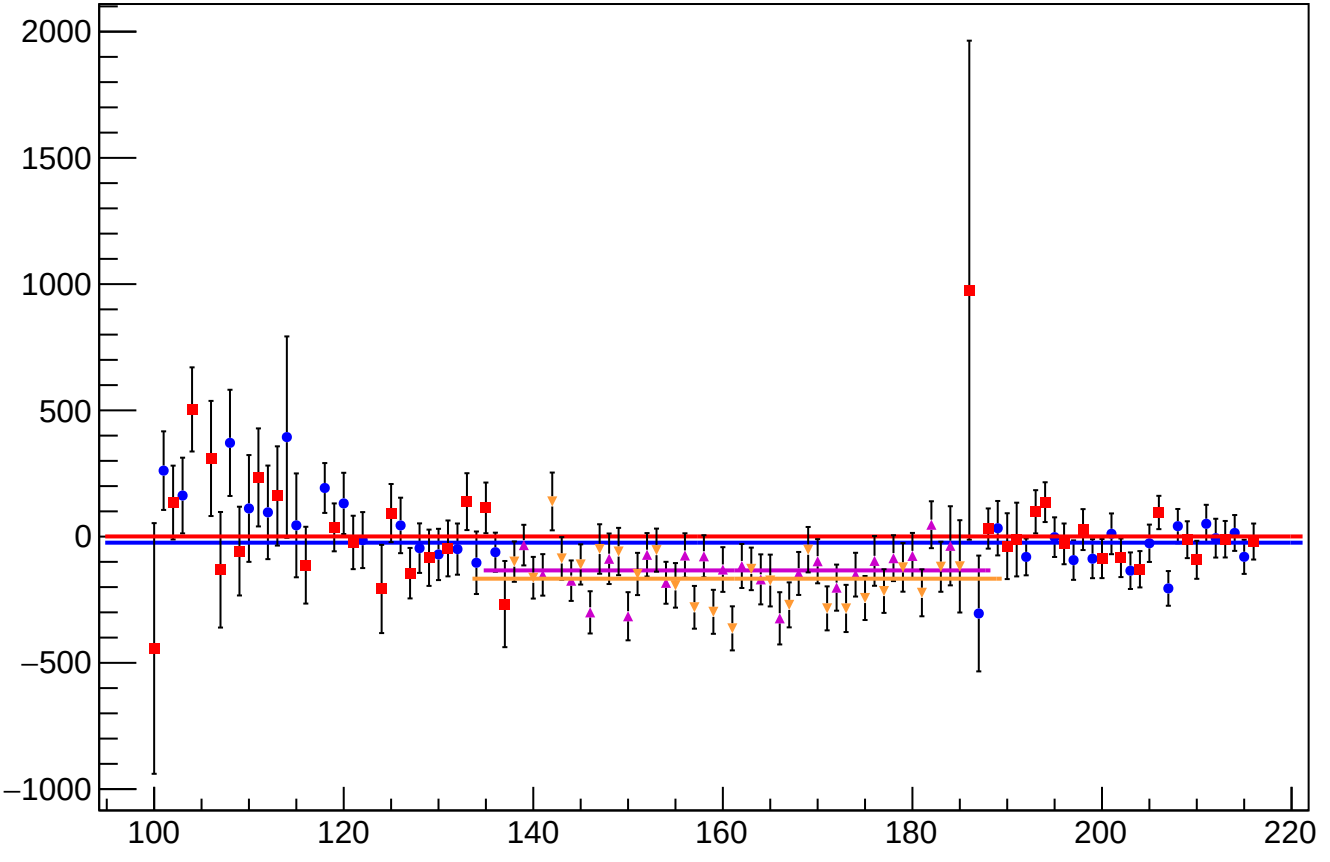
Right: 391.277+/-0.047 χ^2/NDF: 7085876.7/65

In: 351.997+/-0.042 χ^2/NDF:4355042.2/53

Out: 355.503+/-0.042 χ^2/NDF:5365903.3/59

All: 353.756+/-0.030 χ^2/NDF: 9724440.8/113

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: 0.640+/-17.105 χ^2/NDF: 41.3/34

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

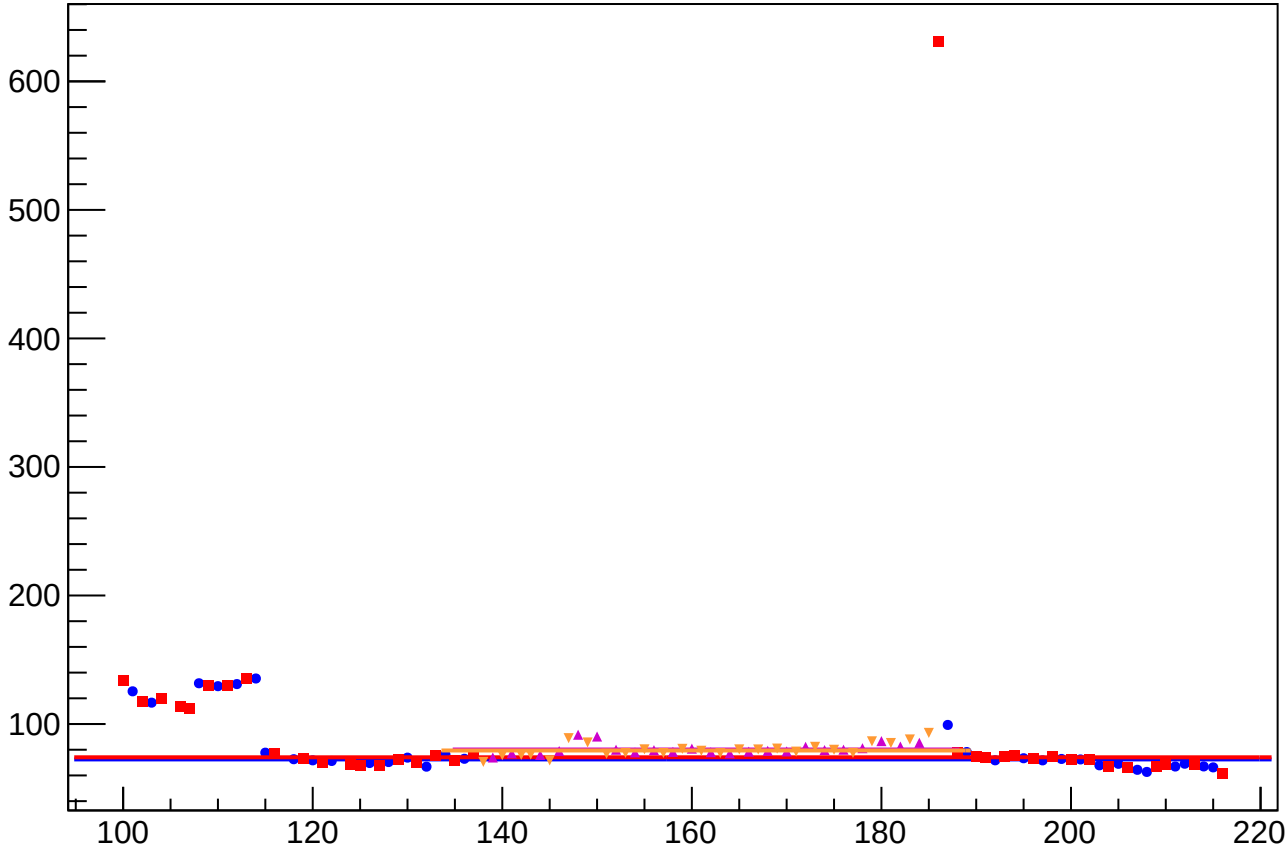
Right: -11.950+/-11.970 χ^2/NDF: 77.0/65

In: -72.782+/-12.496 χ^2/NDF:74.5/53

Out: -78.389+/-12.425 χ^2/NDF:118.1/59

All: -75.602+/-8.811 χ^2/NDF: 192.7/113

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: 74.106+/-0.012 χ^2/NDF: 1855947.6/34

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

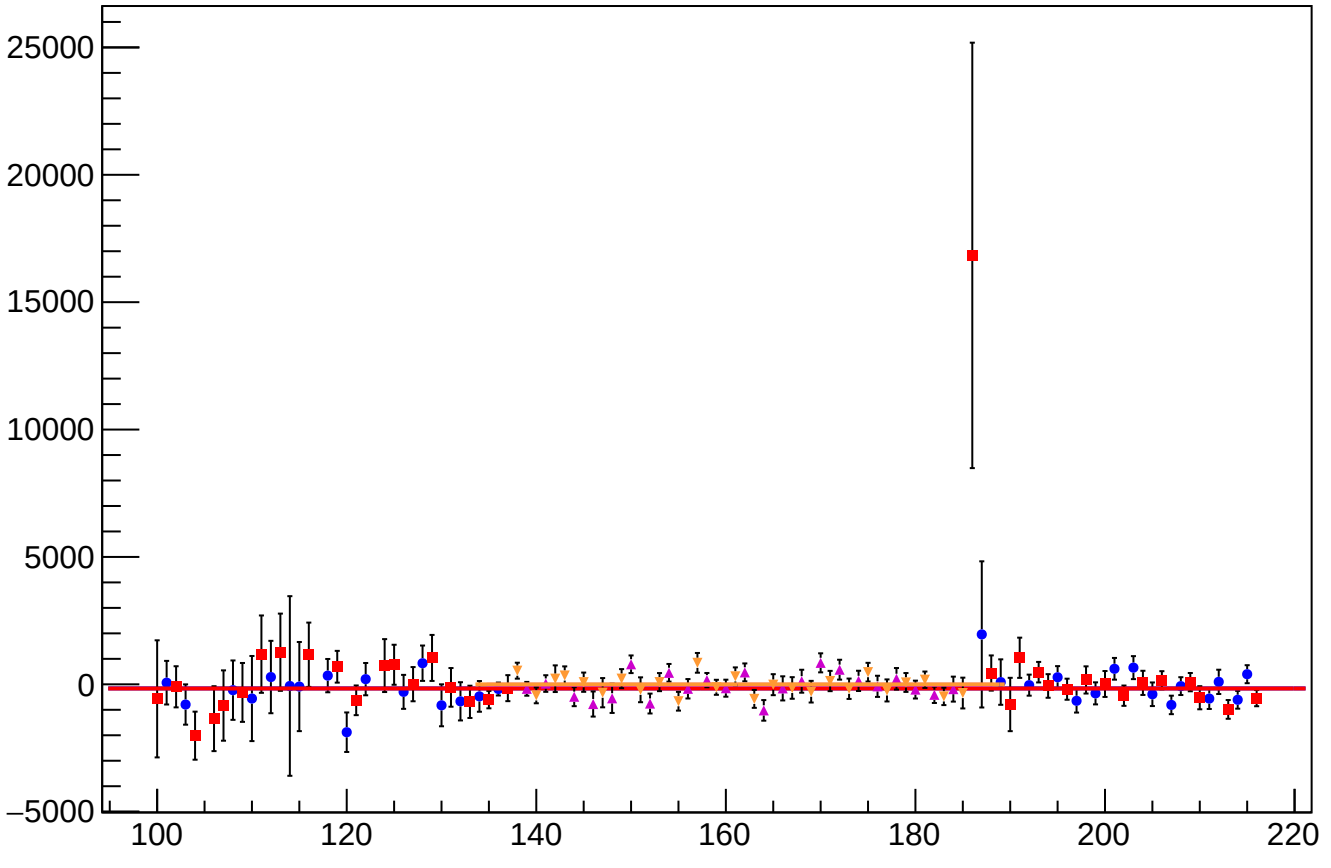
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 73.266+/-0.008 χ^2/NDF: 2994708.9/65

In: 75.878+/-0.009 χ^2/NDF:1408232.5/53

Out: 76.612+/-0.009 χ^2/NDF:2081578.4/59

All: 76.247+/-0.006 χ^2/NDF: 3493275.8/113



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: -164.258+/-94.652 χ^2/NDF: 36.4/34

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

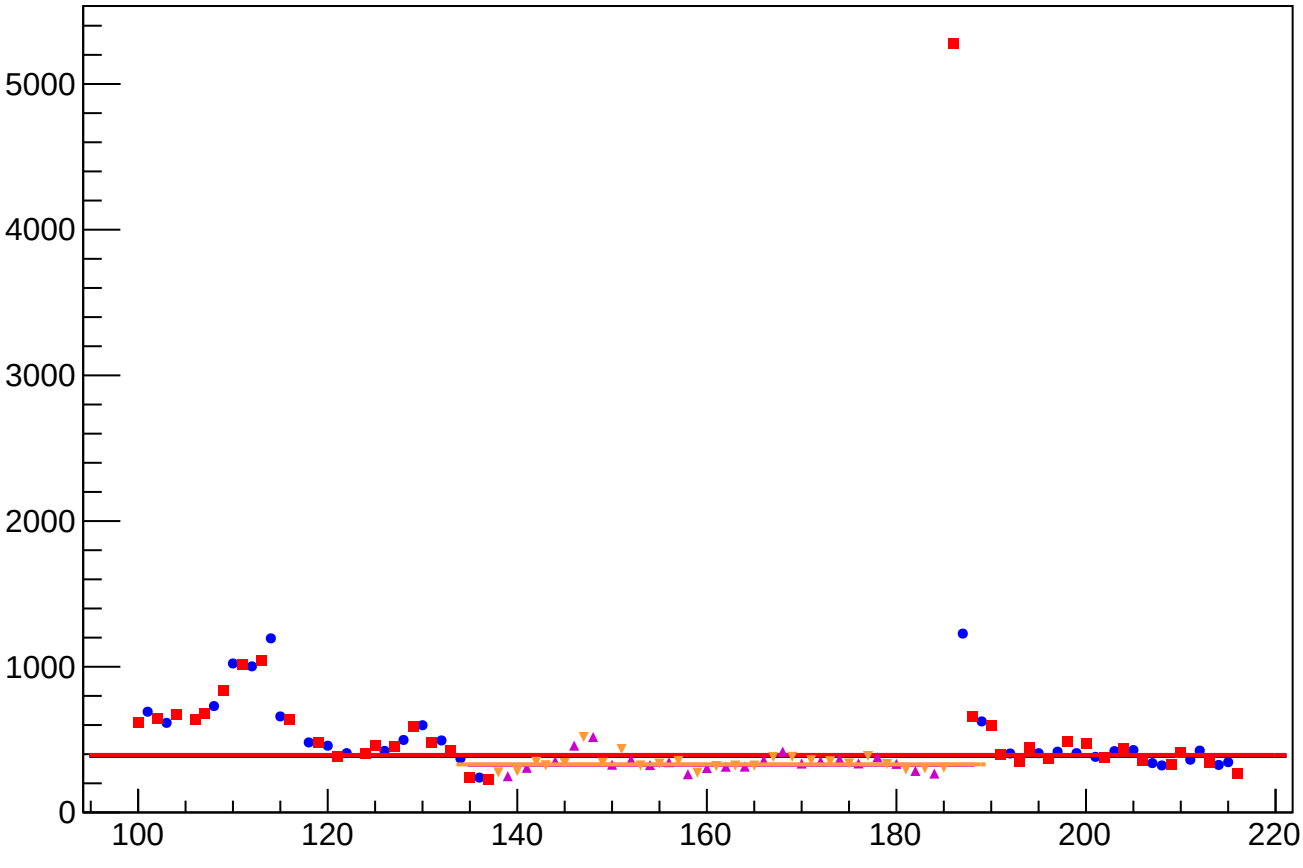
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -162.373+/-66.099 χ^2/NDF: 65.0/65

In: -77.722+/-59.383 χ^2/NDF:65.0/53

Out: -66.362+/-59.196 χ^2/NDF:62.2/59

All: -72.024+/-41.924 χ^2/NDF: 127.2/113



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: 394.921+/-0.067 χ^2/NDF: 4095480.3/34

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

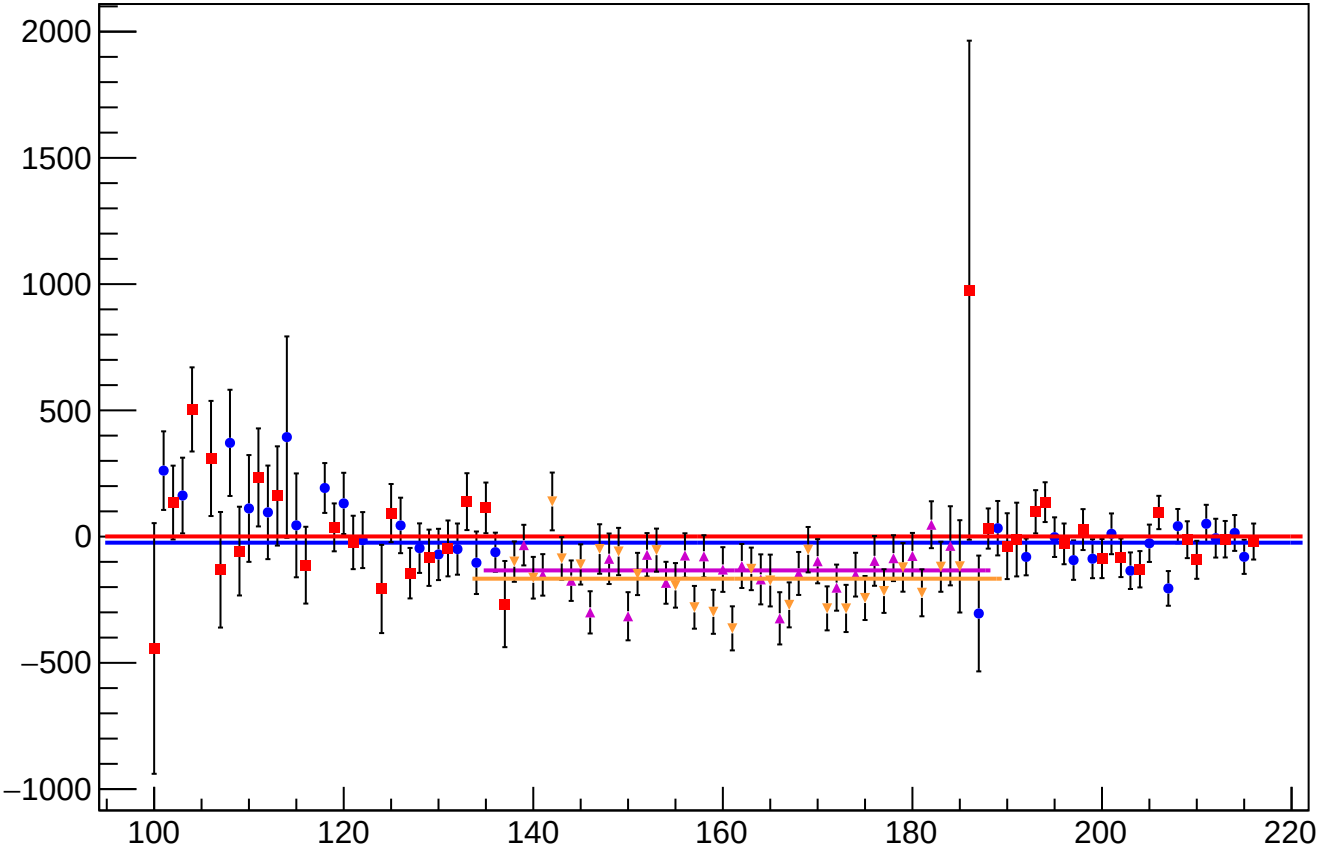
Right: 391.122+/-0.047 χ^2/NDF: 7053330.9/65

In: 351.997+/-0.042 χ^2/NDF:4355043.1/53

Out: 355.373+/-0.042 χ^2/NDF:5328191.4/59

All: 353.691+/-0.030 χ^2/NDF: 9686476.1/113

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: 0.640+/-17.105 χ^2/NDF: 41.3/34

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

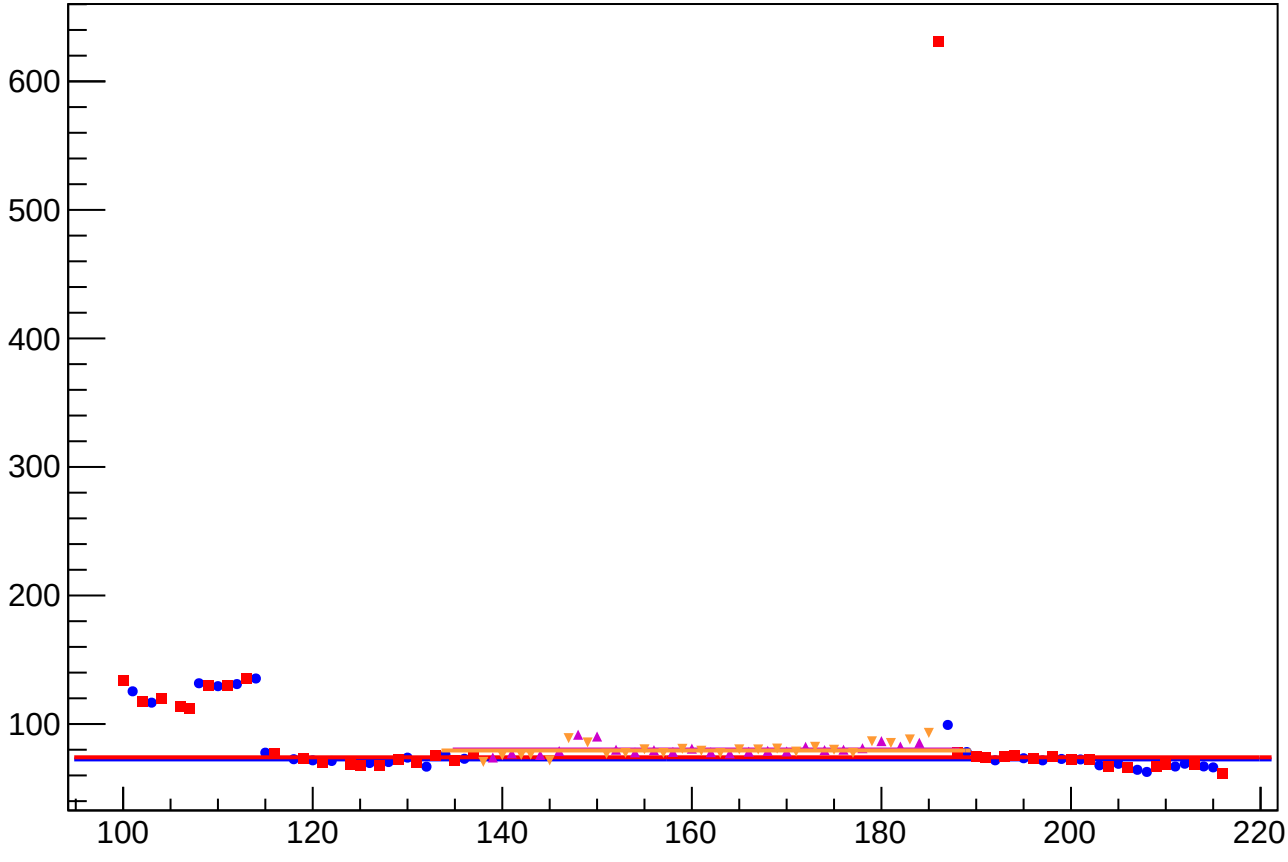
Right: -11.950+/-11.970 χ^2/NDF: 77.0/65

In: -72.782+/-12.496 χ^2/NDF:74.5/53

Out: -78.389+/-12.425 χ^2/NDF:118.1/59

All: -75.602+/-8.811 χ^2/NDF: 192.7/113

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: 74.106+/-0.012 χ^2/NDF: 1855947.6/34

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

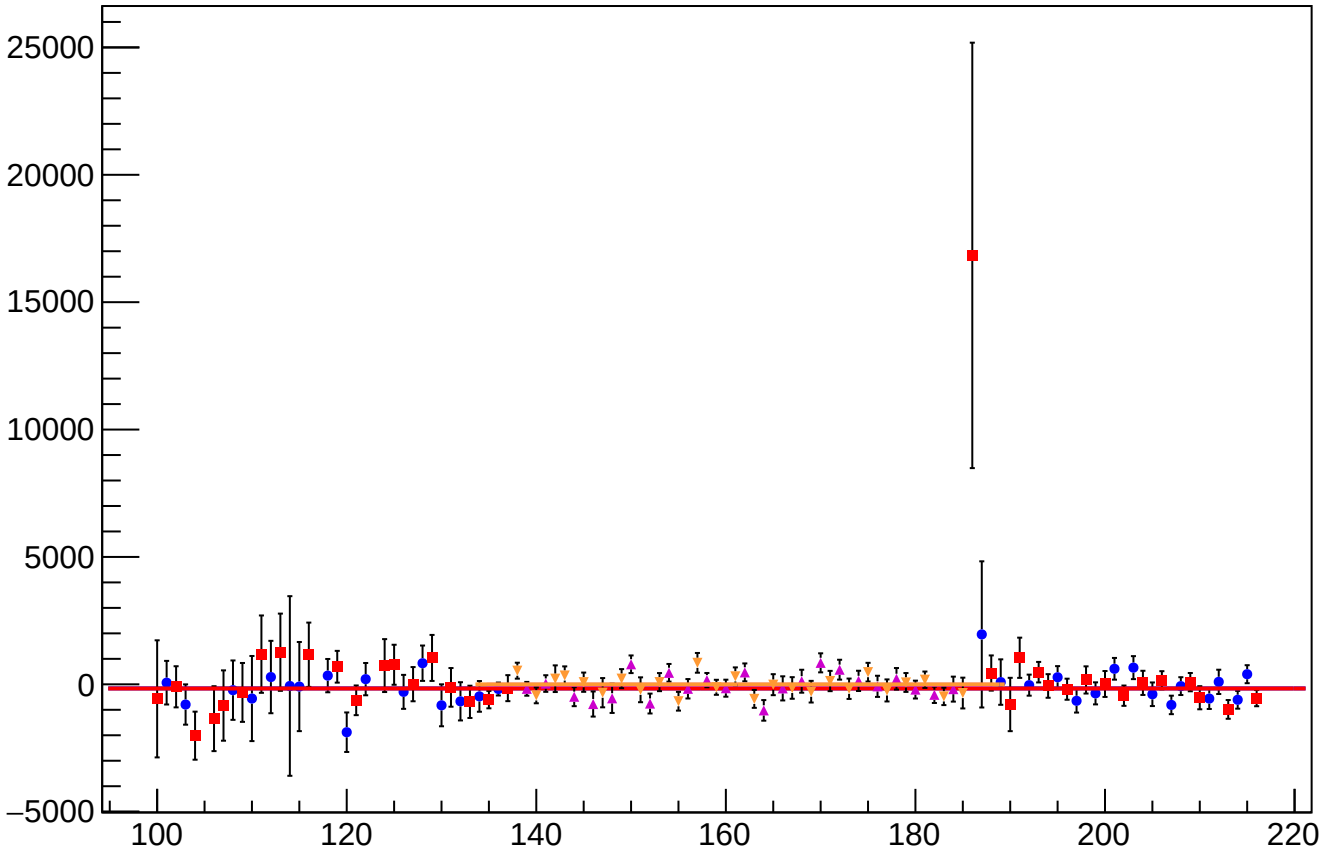
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 73.266+/-0.008 χ^2/NDF: 2994708.9/65

In: 75.878+/-0.009 χ^2/NDF:1408232.5/53

Out: 76.612+/-0.009 χ^2/NDF:2081578.4/59

All: 76.247+/-0.006 χ^2/NDF: 3493275.8/113



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: -164.258+/-94.652 χ^2/NDF: 36.4/34

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

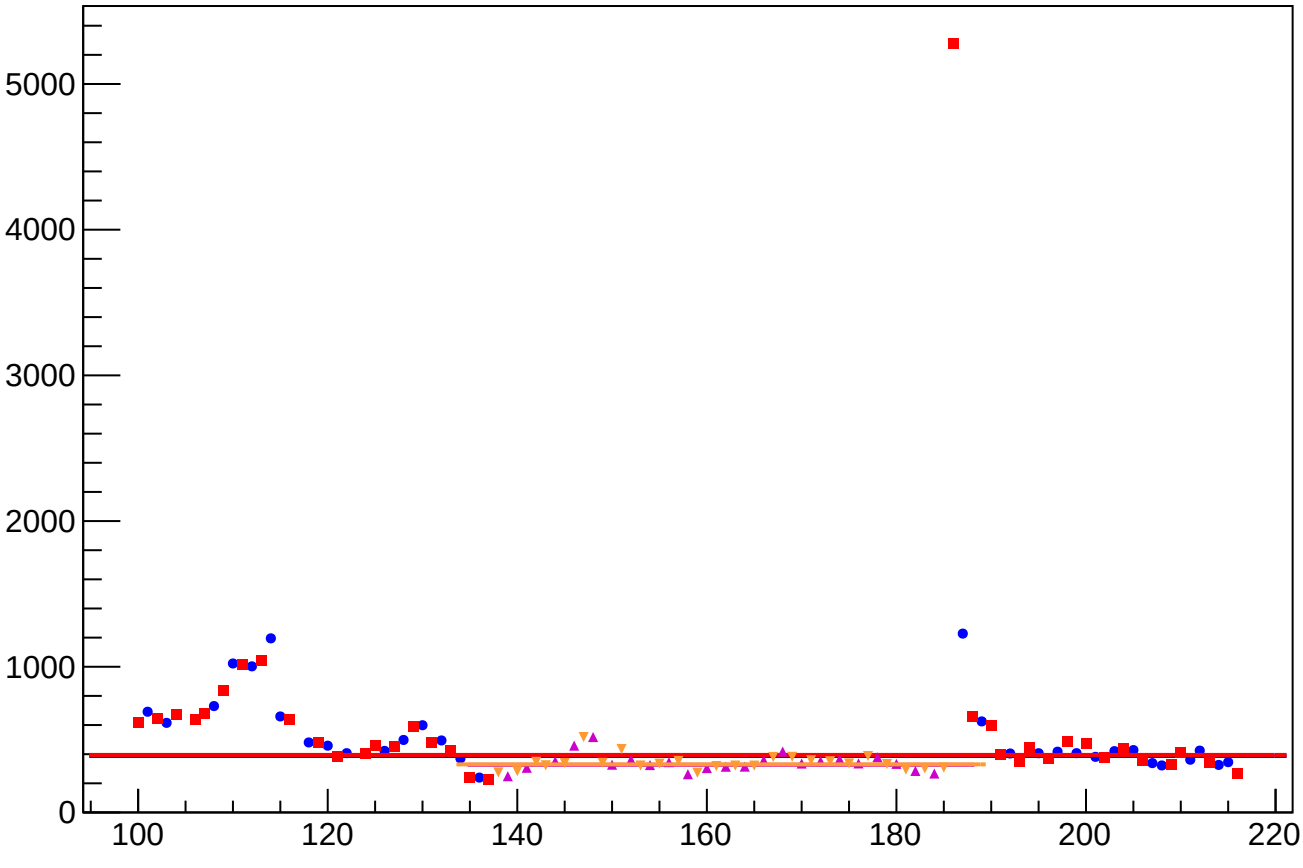
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -162.373+/-66.099 χ^2/NDF: 65.0/65

In: -77.722+/-59.383 χ^2/NDF:65.0/53

Out: -66.362+/-59.196 χ^2/NDF:62.2/59

All: -72.024+/-41.924 χ^2/NDF: 127.2/113



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: 394.921+/-0.067 χ^2/NDF: 4095480.3/34

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

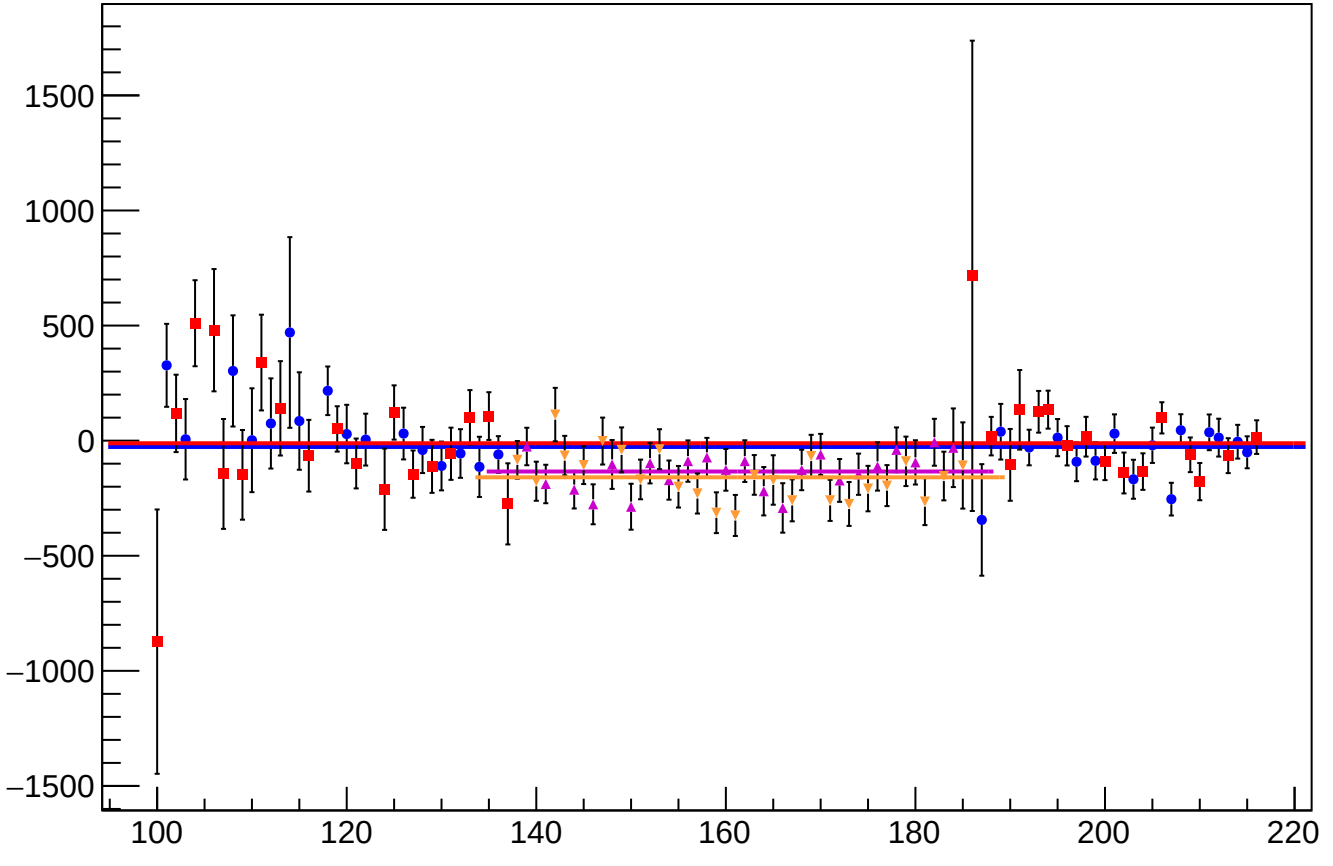
Right: 391.122+/-0.047 χ^2/NDF: 7053330.9/65

In: 351.997+/-0.042 χ^2/NDF:4355043.1/53

Out: 355.373+/-0.042 χ^2/NDF:5328191.4/59

All: 353.691+/-0.030 χ^2/NDF: 9686476.1/113

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: -11.240+/-18.095 χ^2/NDF: 49.7/34

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

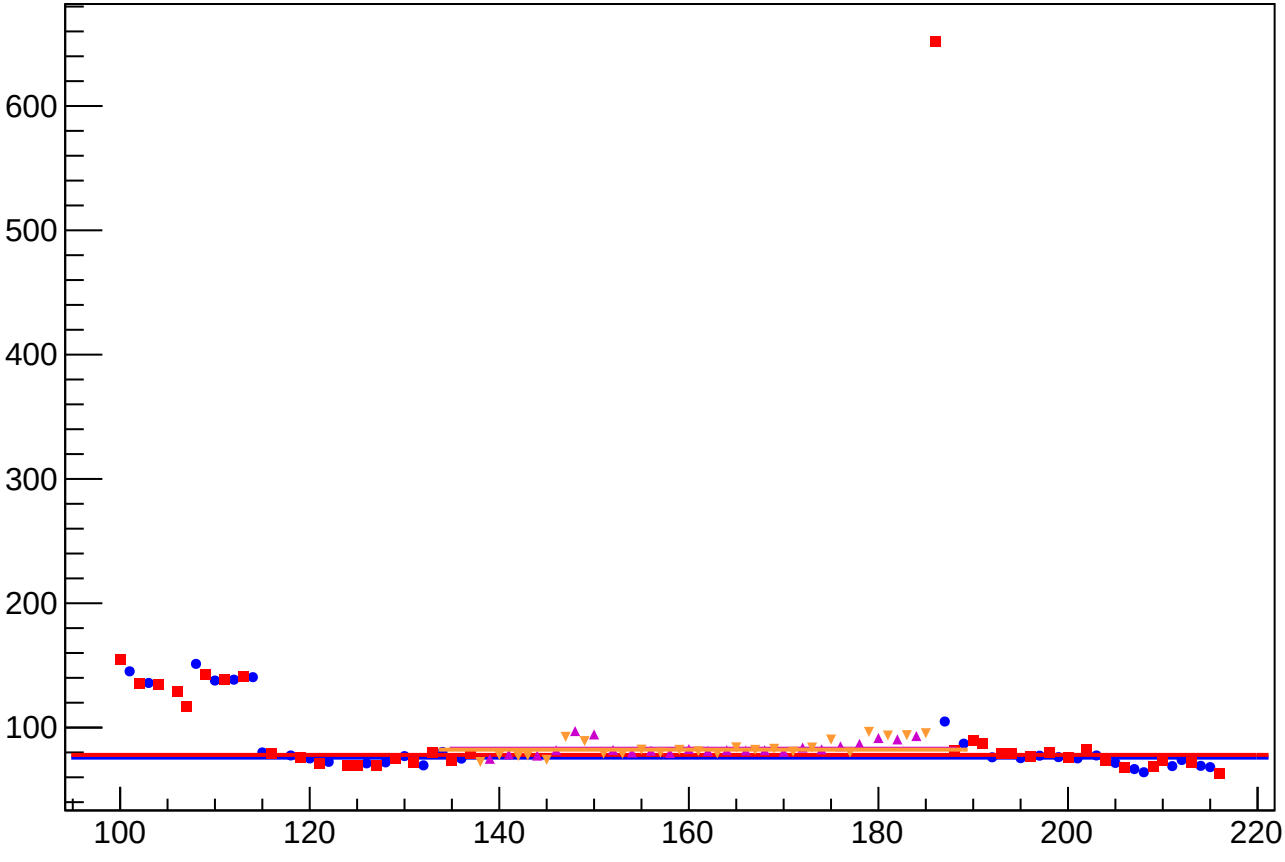
Right: -19.498+/-12.623 χ^2/NDF: 84.1/65

In: -75.430+/-13.055 χ^2/NDF:67.0/53

Out: -82.605+/-13.020 χ^2/NDF:110.2/59

All: -79.027+/-9.219 χ^2/NDF: 177.3/113

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: 78.026+/-0.013 χ^2/NDF: 2056120.5/34

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

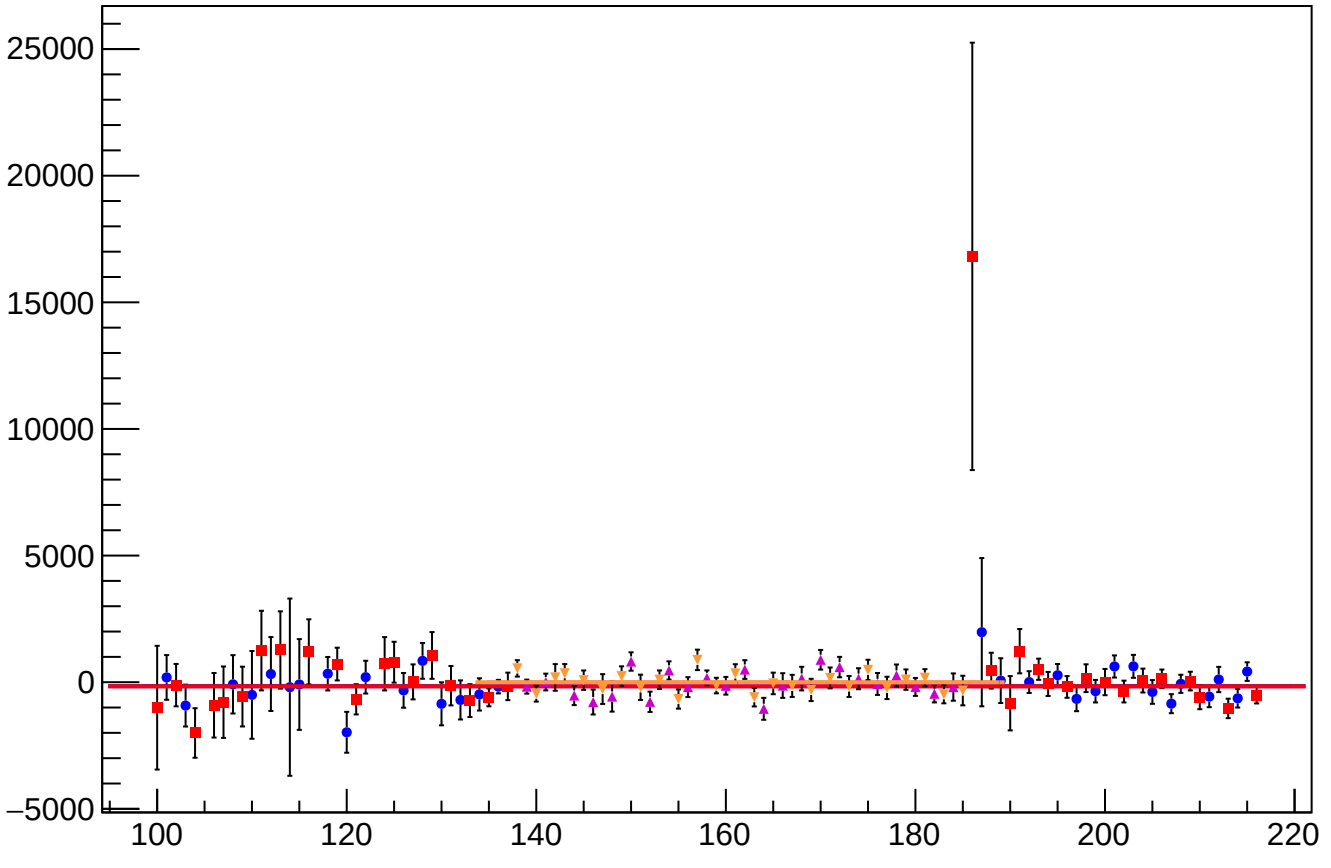
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 76.891+/-0.009 χ^2/NDF: 3425575.1/65

In: 79.052+/-0.009 χ^2/NDF:1649455.3/53

Out: 80.062+/-0.009 χ^2/NDF:2325164.5/59

All: 79.558+/-0.007 χ^2/NDF: 3980621.3/113



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: -161.852+/-98.002 χ^2/NDF: 35.2/34

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

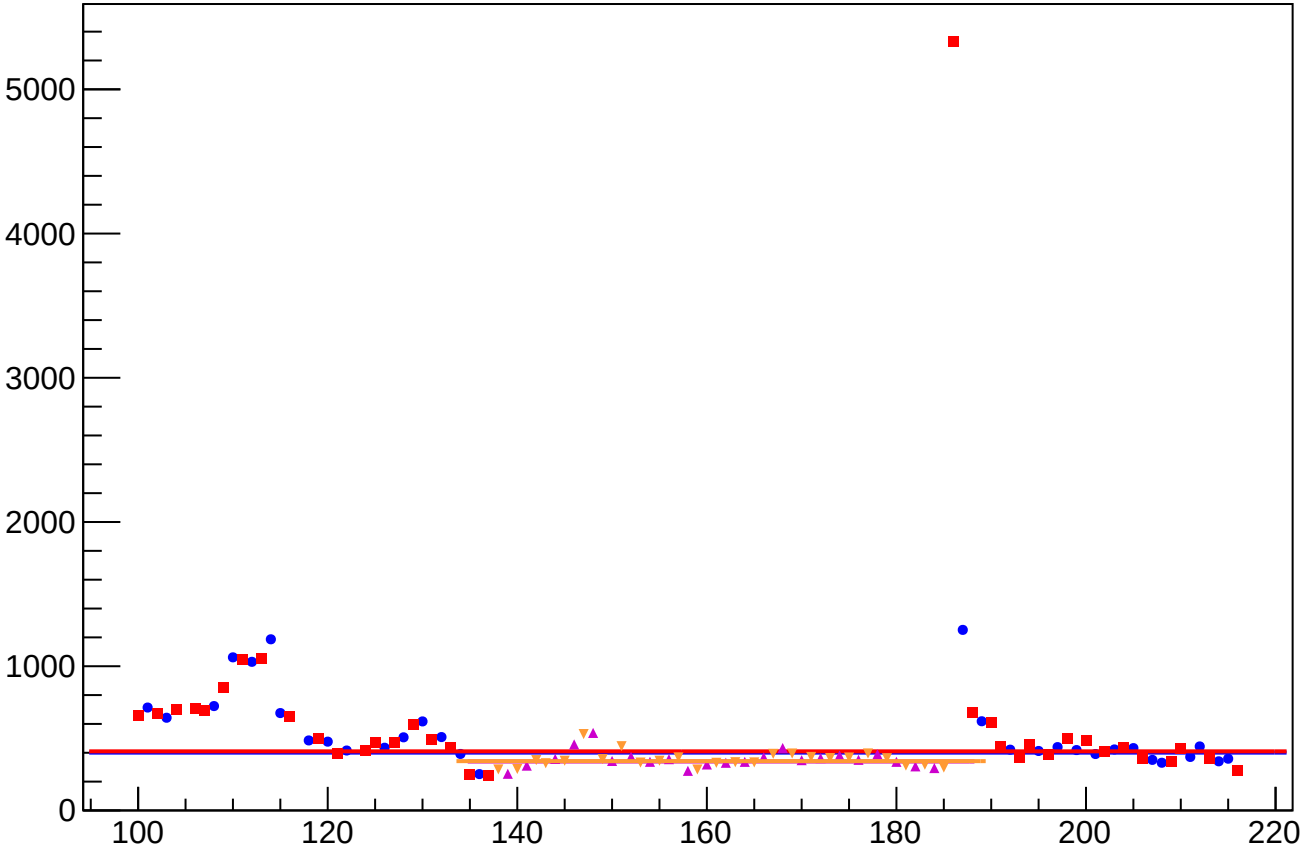
Right: -159.574+/-68.347 χ^2/NDF: 64.0/65

In: -75.066+/-61.474 χ^2/NDF:65.0/53

Out: -65.222+/-61.307 χ^2/NDF:60.3/59

All: -70.131+/-43.409 χ^2/NDF: 125.3/113

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



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: 409.913+/-0.069 χ^2/NDF: 4021333.6/34

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

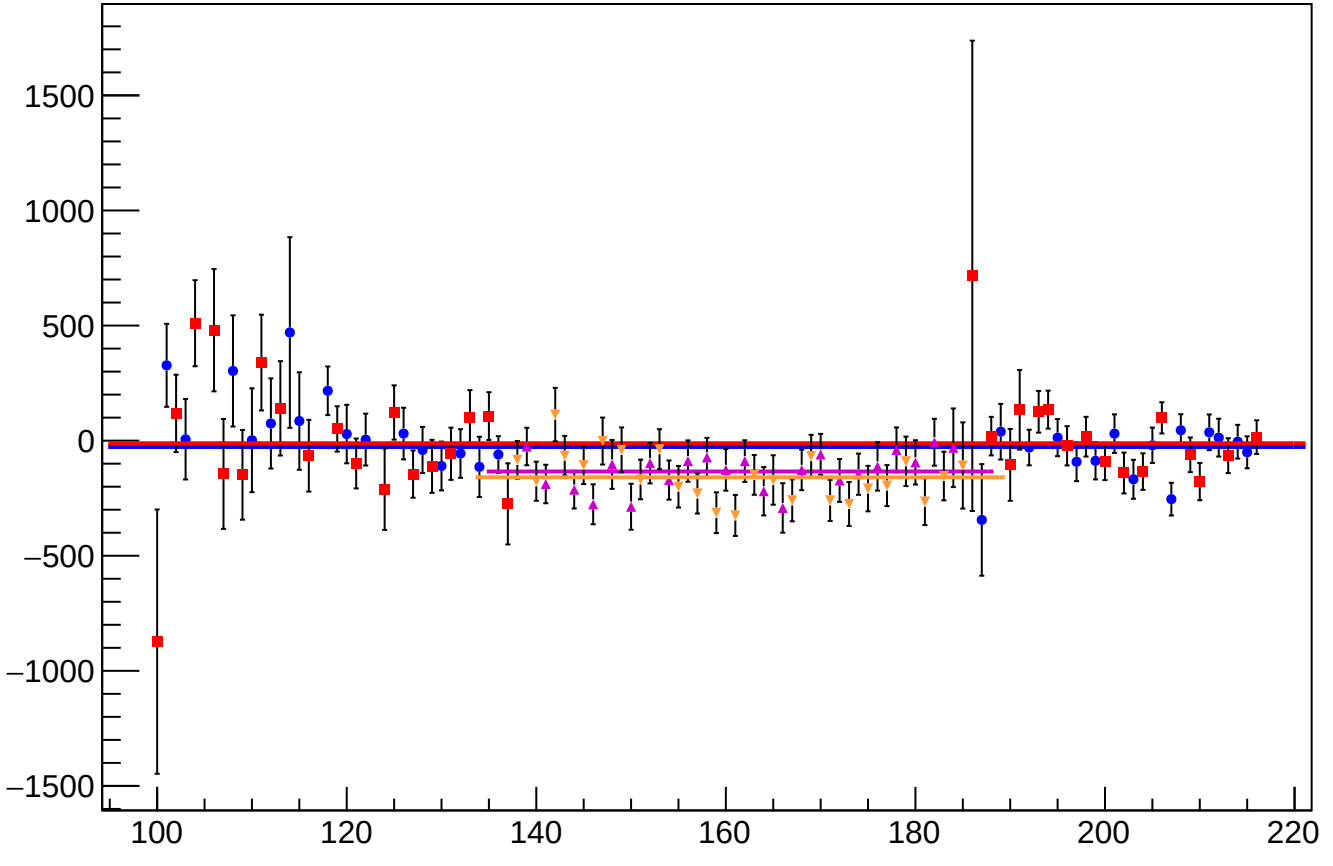
Right: 405.328+/-0.048 χ^2/NDF: 6855539.0/65

In: 365.008+/-0.043 χ^2/NDF:4159415.4/53

Out: 368.527+/-0.043 χ^2/NDF:5261262.8/59

All: 366.772+/-0.031 χ^2/NDF: 9423964.3/113

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: -11.241+/-18.095 χ^2/NDF: 49.7/34

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

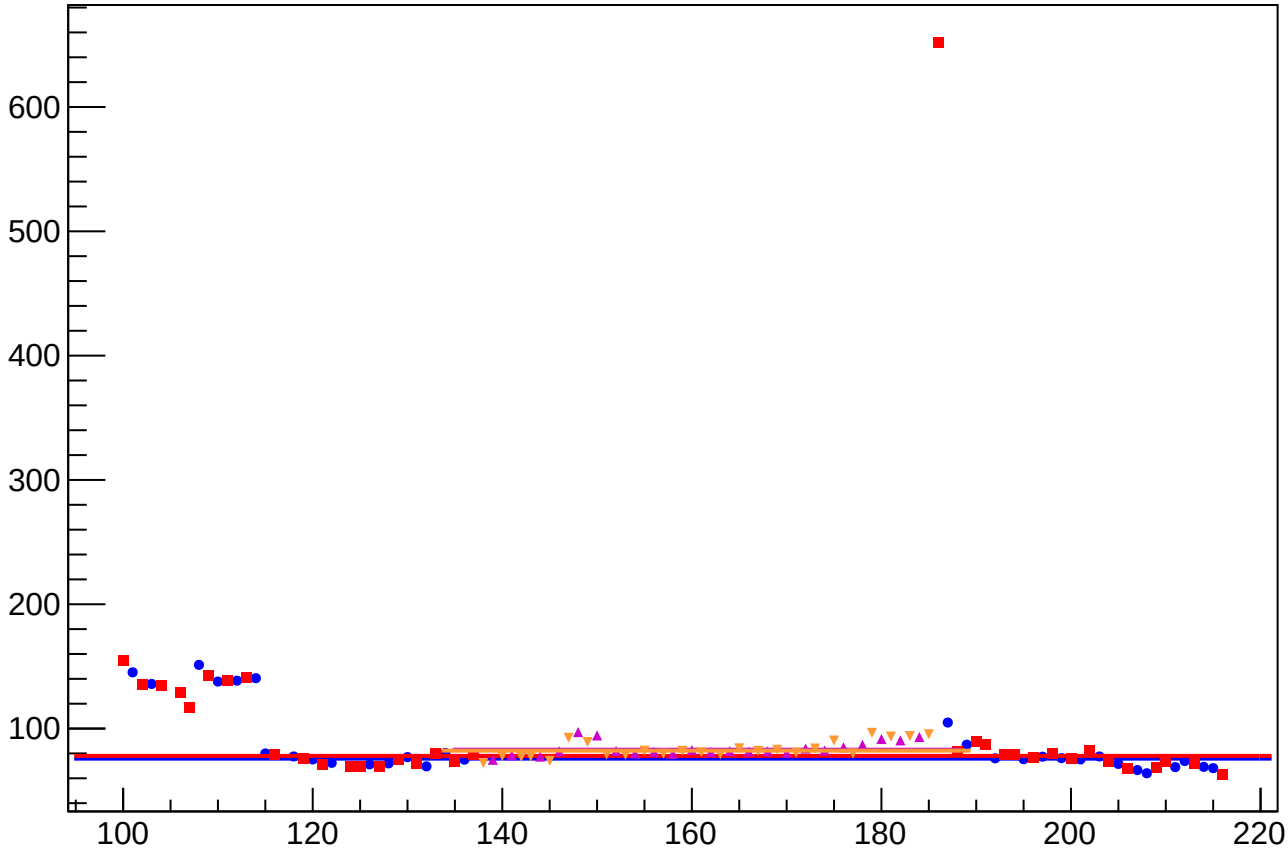
Right: -19.498+/-12.623 χ^2/NDF: 84.1/65

In: -75.430+/-13.054 χ^2/NDF:67.0/53

Out: -82.605+/-13.020 χ^2/NDF:110.2/59

All: -79.027+/-9.219 χ^2/NDF: 177.3/113

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: 78.026+/-0.013 χ^2/NDF: 2056121.4/34

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

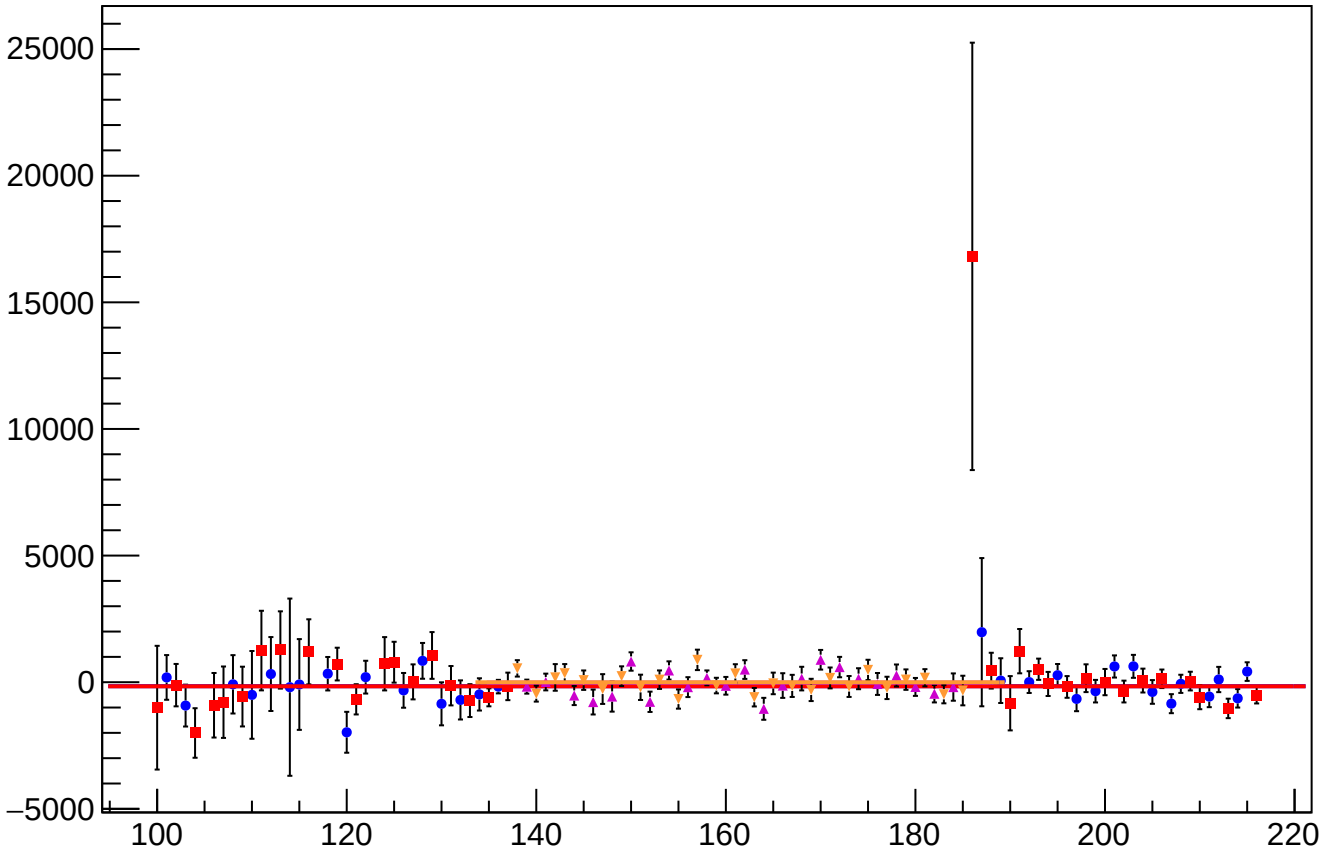
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 76.890+/-0.009 χ^2/NDF: 3425577.3/65

In: 79.051+/-0.009 χ^2/NDF:1649460.0/53

Out: 80.061+/-0.009 χ^2/NDF:2325169.2/59

All: 79.558+/-0.007 χ^2/NDF: 3980630.7/113



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: -161.852+/-98.001 χ^2/NDF: 35.2/34

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

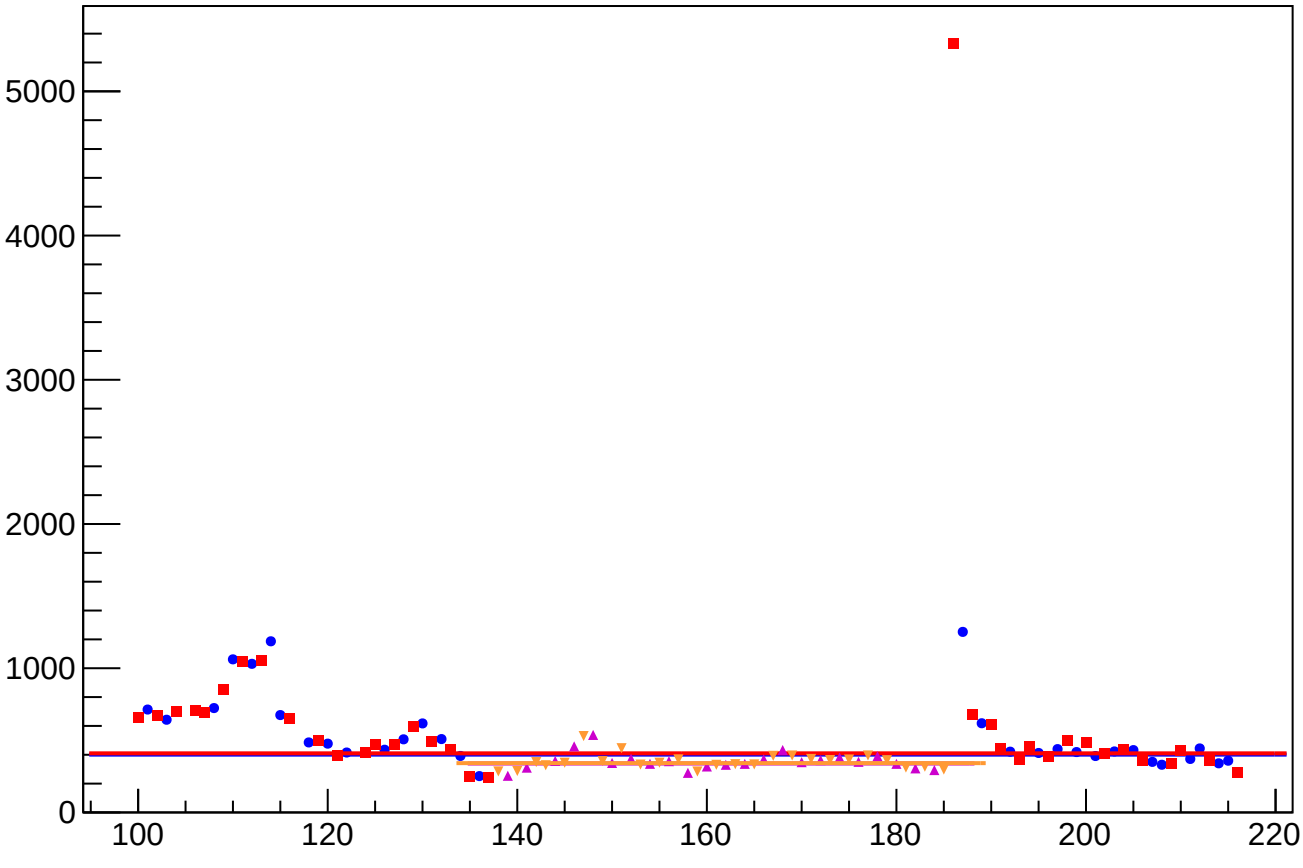
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -159.574+/-68.347 χ^2/NDF: 64.0/65

In: -75.065+/-61.474 χ^2/NDF:65.0/53

Out: -65.222+/-61.307 χ^2/NDF:60.3/59

All: -70.130+/-43.409 χ^2/NDF: 125.3/113



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: 409.912+/-0.069 χ^2/NDF: 4021341.5/34

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

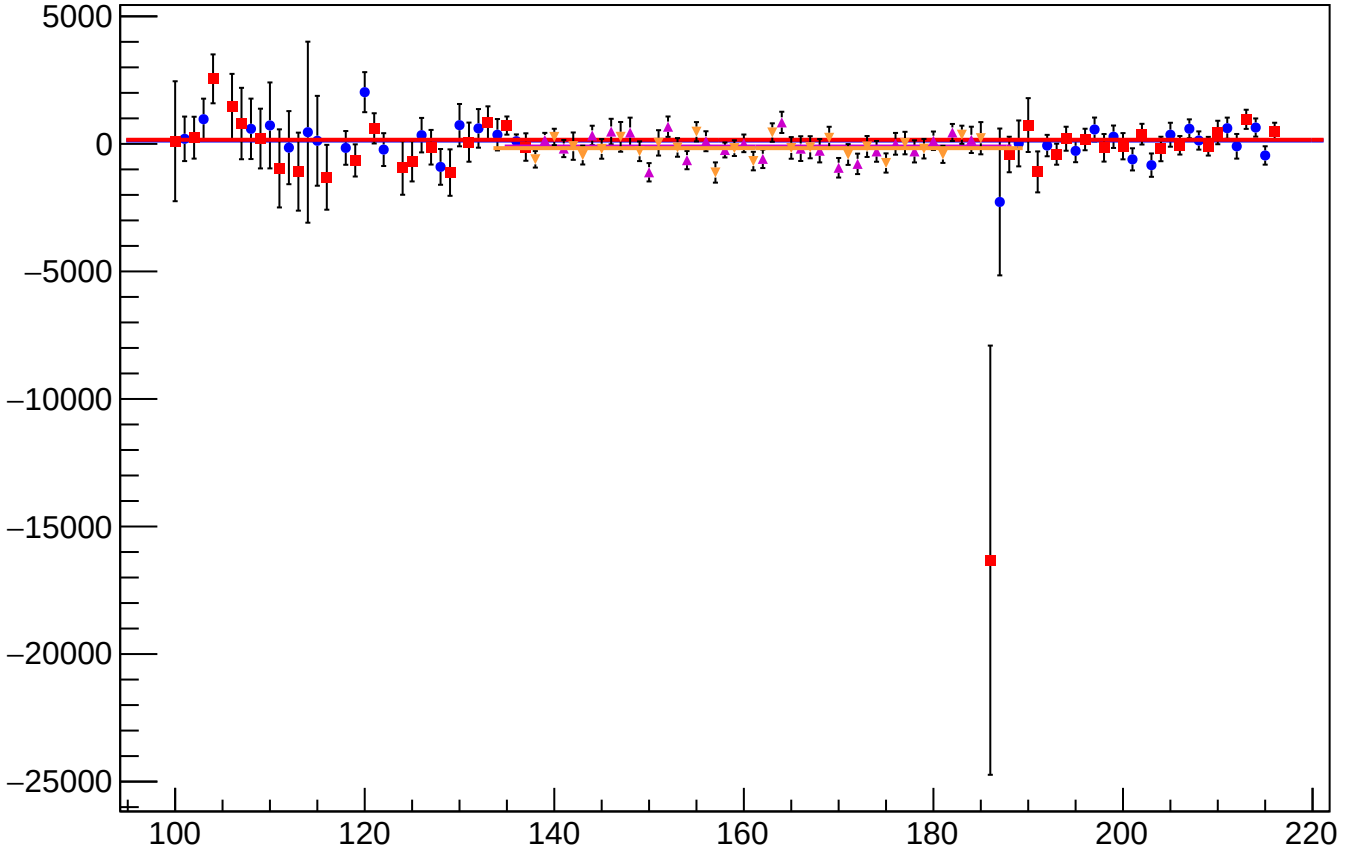
Right: 405.327+/-0.048 χ^2/NDF: 6855551.4/65

In: 365.007+/-0.043 χ^2/NDF:4159412.8/53

Out: 368.526+/-0.043 χ^2/NDF:5261258.8/59

All: 366.772+/-0.031 χ^2/NDF: 9423957.6/113

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: 161.367+/-96.602 χ^2/NDF: 37.9/34

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

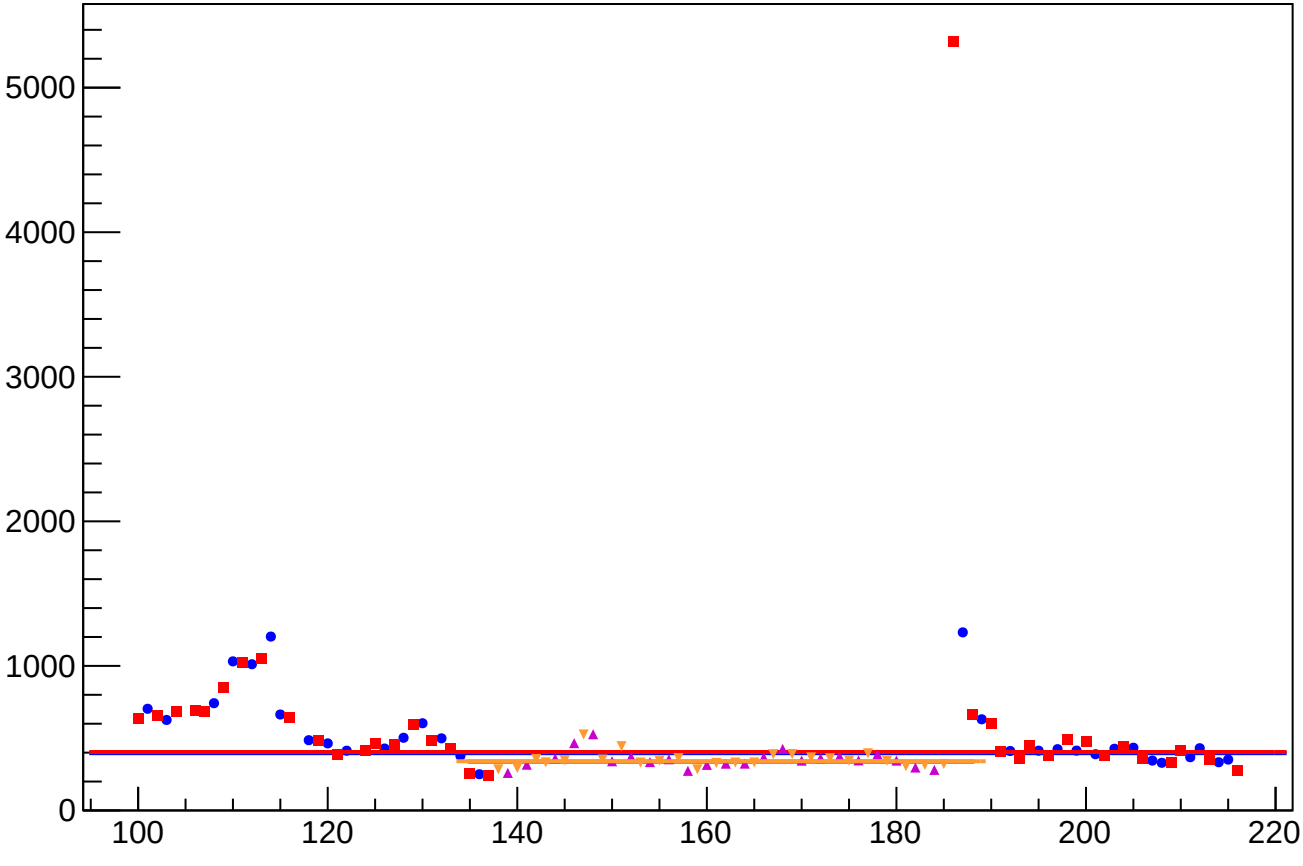
Right: 146.075+/-67.456 χ^2/NDF: 67.2/65

In: -5.372+/-60.986 χ^2/NDF:70.3/53

Out: -37.278+/-60.771 χ^2/NDF:70.5/59

All: -21.381+/-43.047 χ^2/NDF: 140.9/113

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: 404.402+/-0.068 χ^2/NDF: 3965372.2/34

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

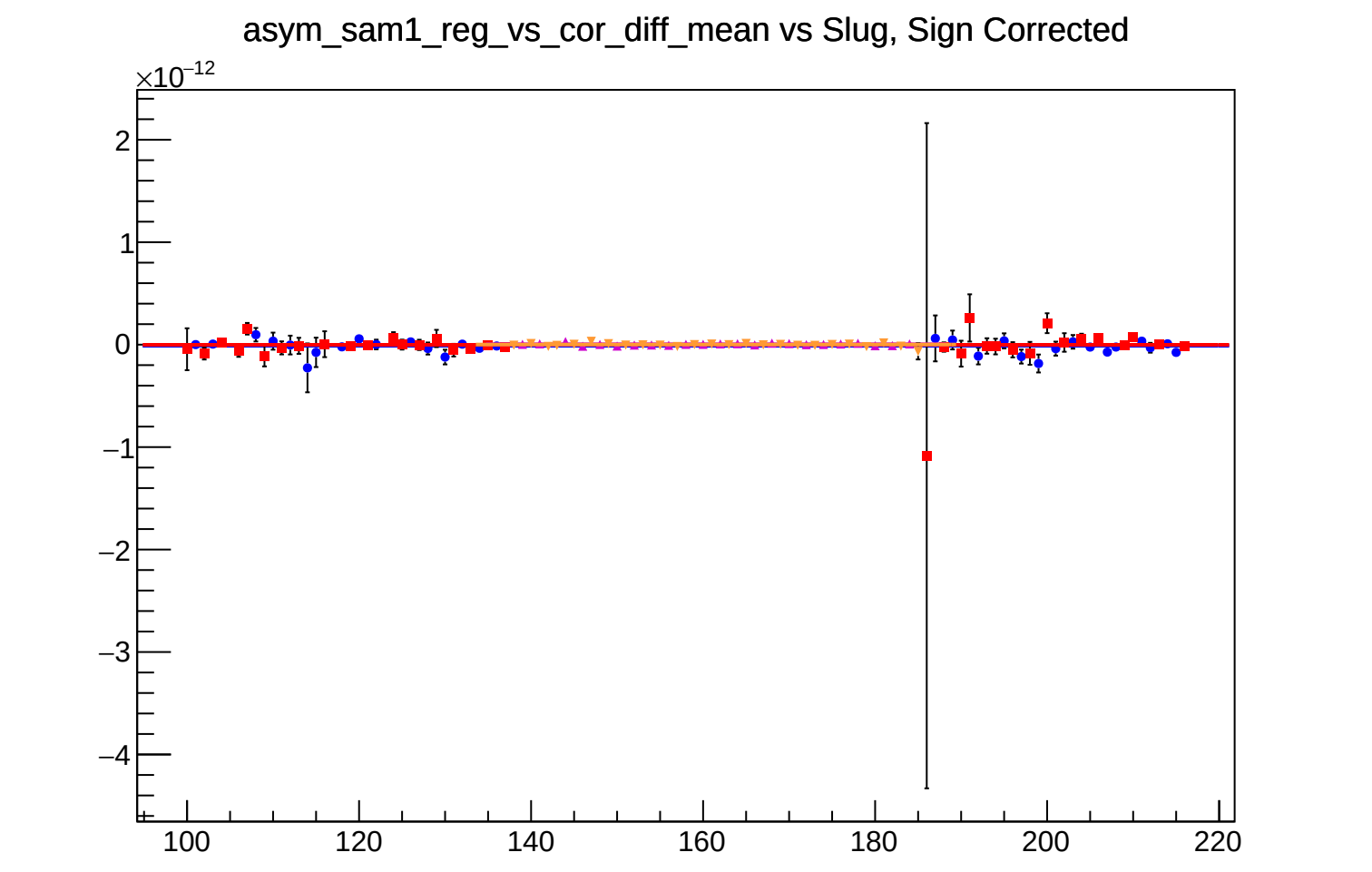
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 400.255+/-0.048 χ^2/NDF: 6785216.7/65

In: 362.280+/-0.043 χ^2/NDF:4082033.0/53

Out: 365.724+/-0.043 χ^2/NDF:5100149.0/59

All: 364.008+/-0.030 χ^2/NDF: 9185382.6/113



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: 34.2/34

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

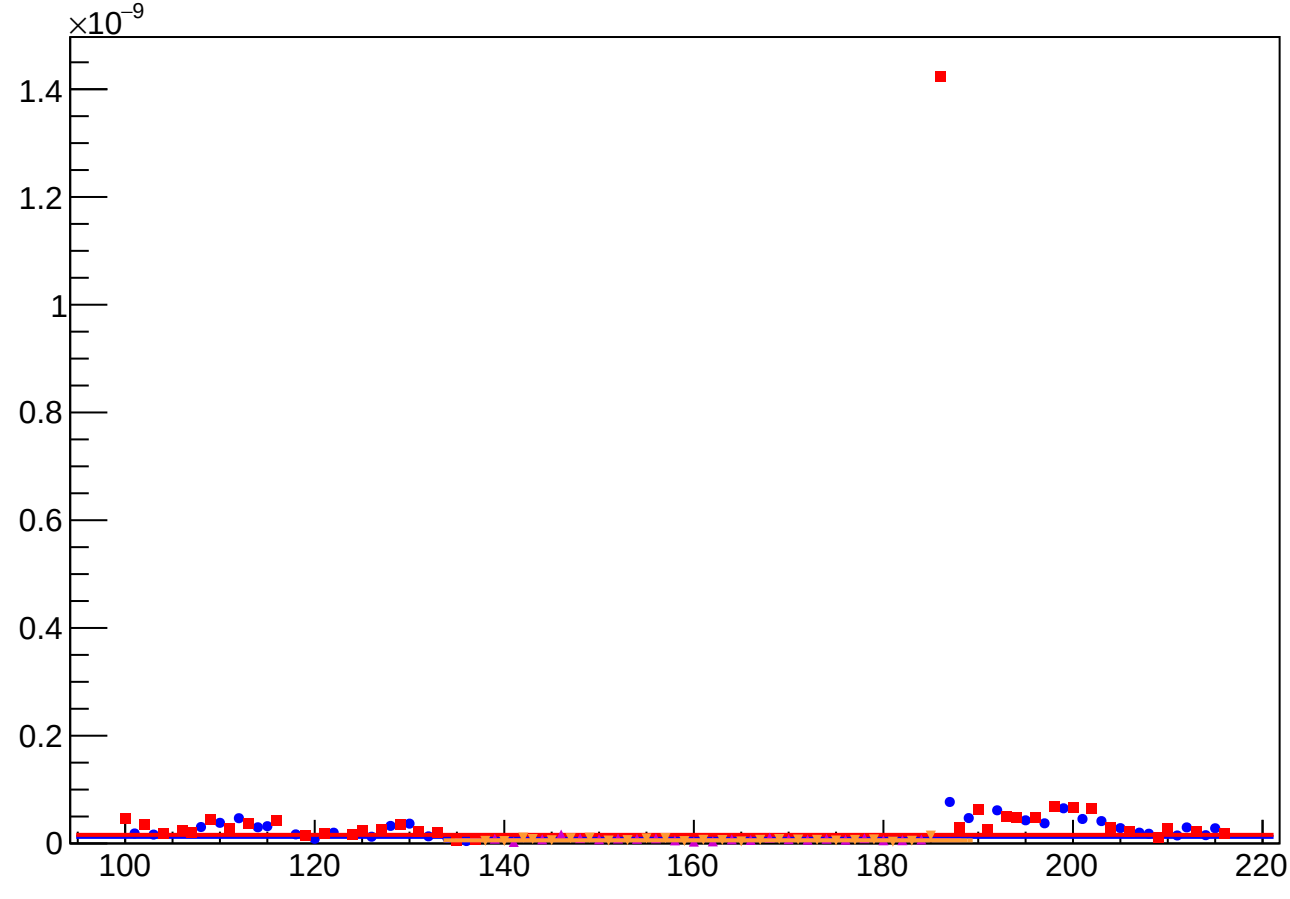
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 71.4/65

In: 0.000+/-0.000 χ^2/NDF:53.9/53

Out: 0.000+/-0.000 χ^2/NDF:50.6/59

All: 0.000+/-0.000 χ^2/NDF: 104.5/113



Right In: 0.000+/-0.000 χ^2/NDF: 8120051.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7392096.4/34

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

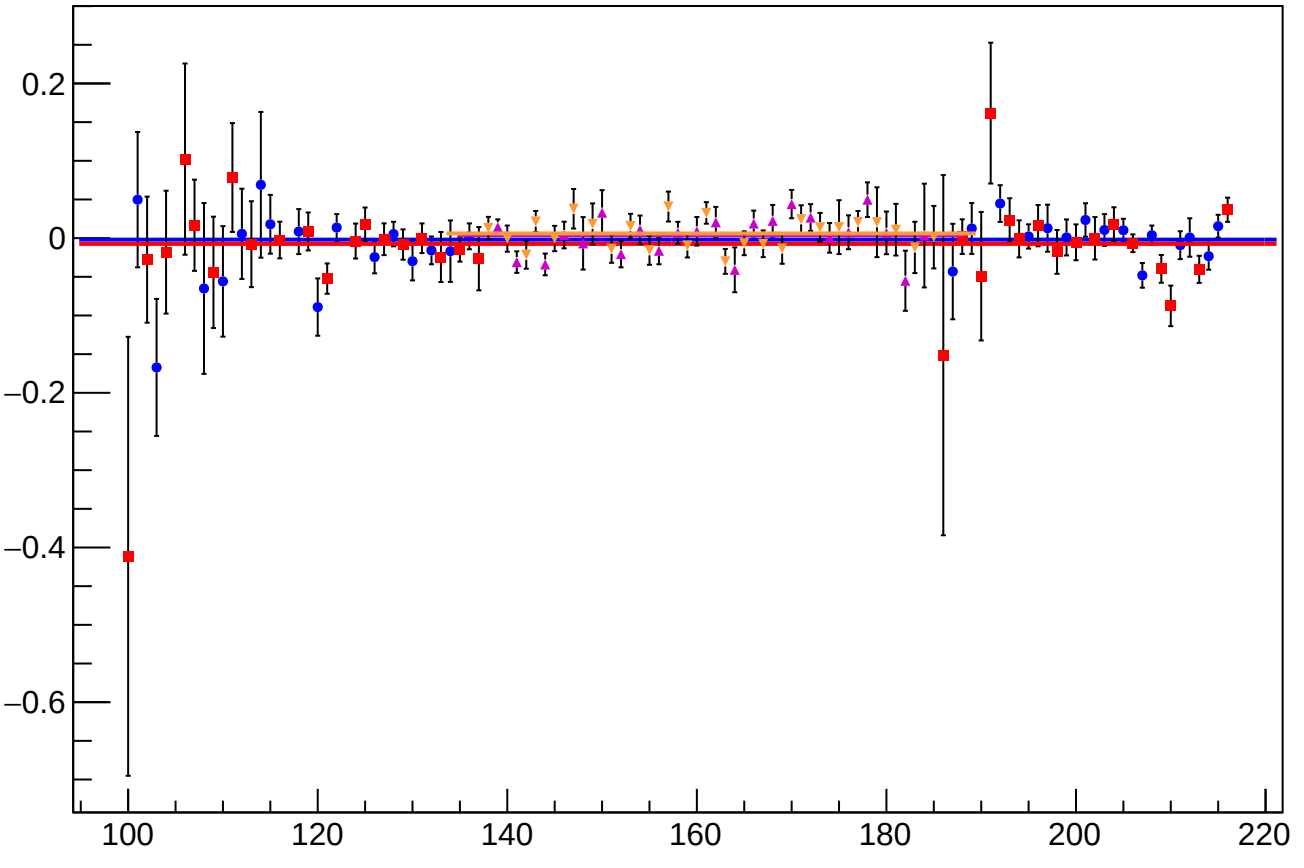
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15910206.4/65

In: 0.000+/-0.000 χ^2/NDF:12110729.8/53

Out: 0.000+/-0.000 χ^2/NDF:12788139.6/59

All: 0.000+/-0.000 χ^2/NDF: 24935931.7/113



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: -0.007+/-0.004 χ^2/NDF: 44.7/34

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

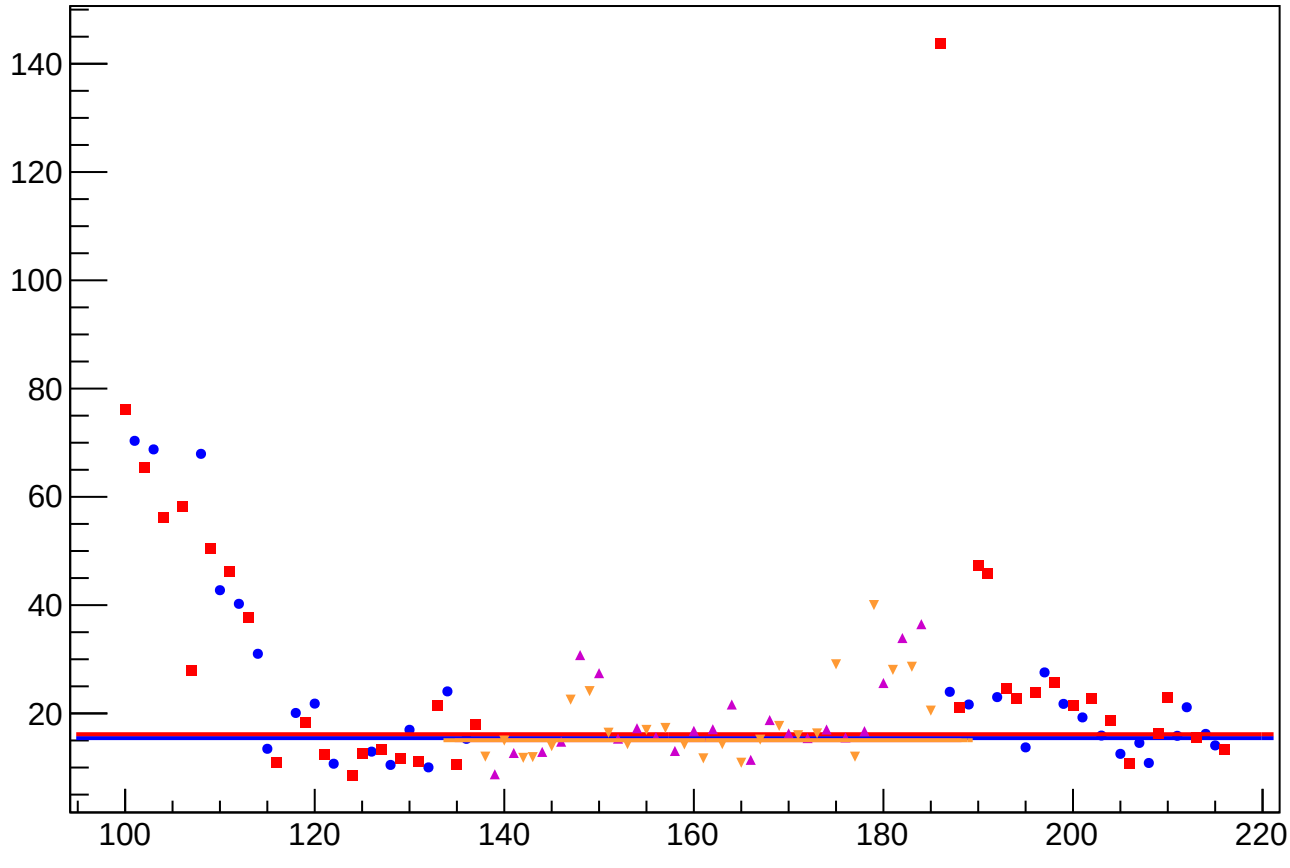
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.003 χ^2/NDF: 79.9/65

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: 0.000+/-0.003 χ^2/NDF:77.2/59

All: 0.001+/-0.002 χ^2/NDF: 149.8/113



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: 16.154+/-0.003 χ^2/NDF: 6621863.9/34

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

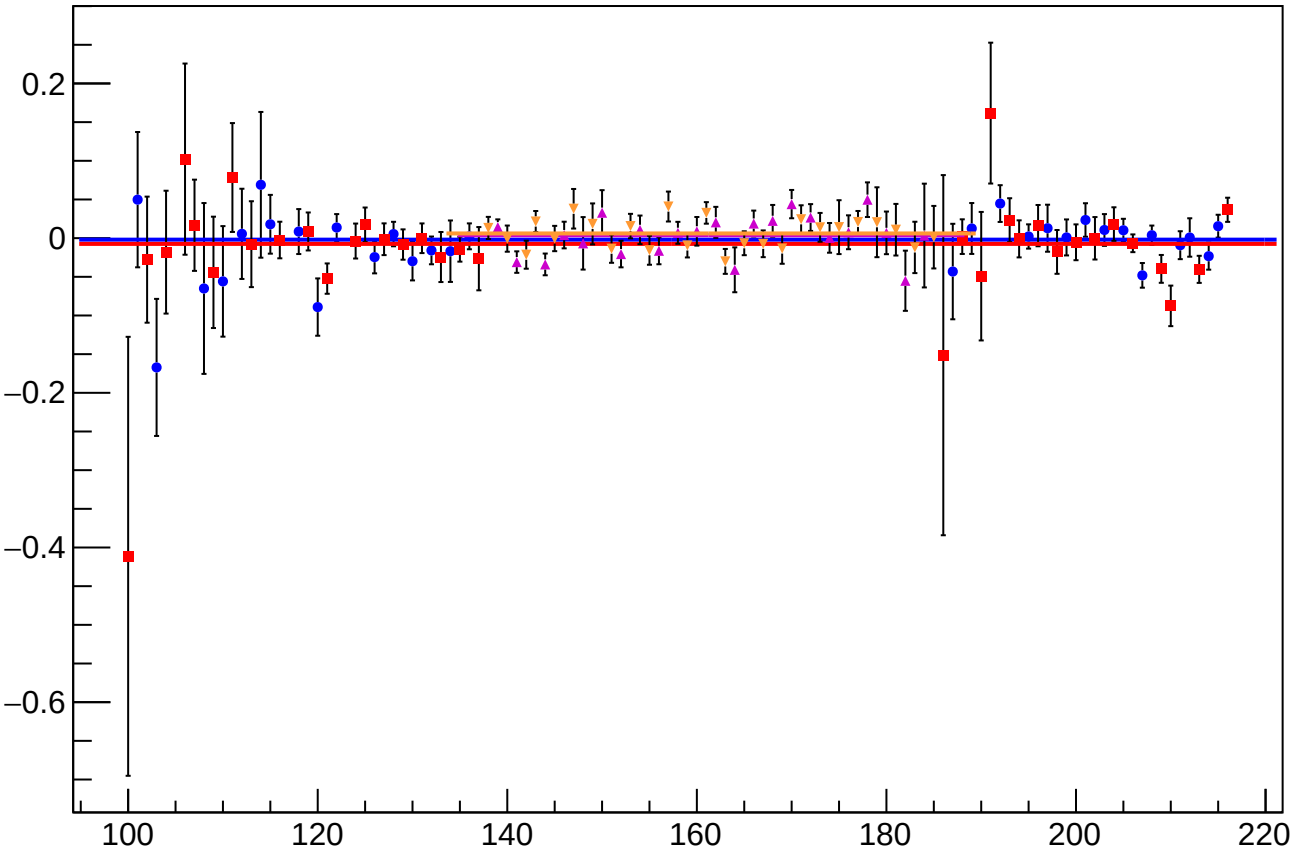
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.775+/-0.002 χ^2/NDF: 11446449.9/65

In: 15.246+/-0.002 χ^2/NDF:7868972.7/53

Out: 15.530+/-0.002 χ^2/NDF:9459137.1/59

All: 15.388+/-0.001 χ^2/NDF: 17338723.6/113



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: -0.007+/-0.004 χ^2/NDF: 44.7/34

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

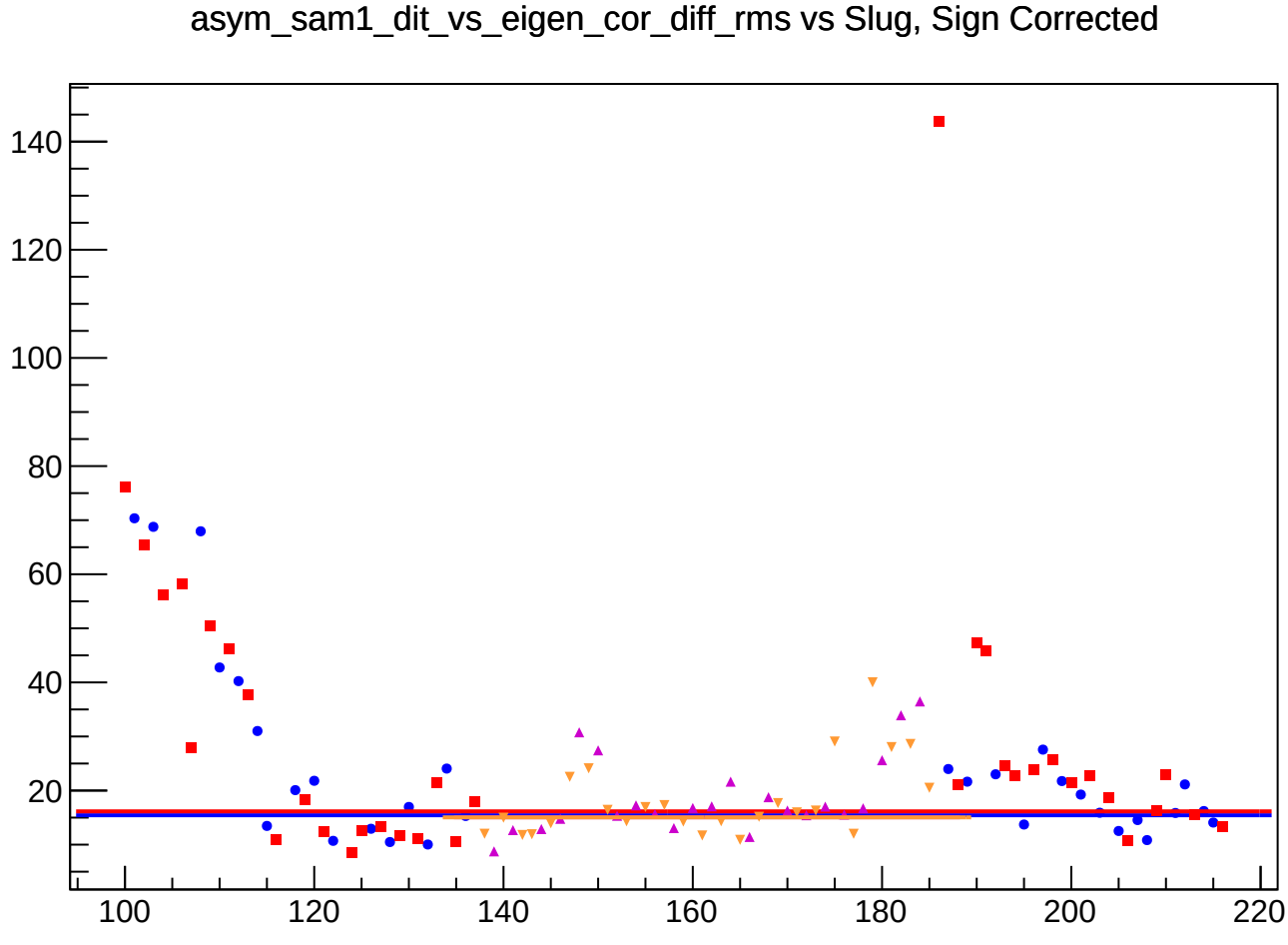
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.003 χ^2/NDF: 79.9/65

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: 0.000+/-0.003 χ^2/NDF:77.2/59

All: 0.001+/-0.002 χ^2/NDF: 149.8/113



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: 16.154+/-0.003 χ^2/NDF: 6621863.9/34

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

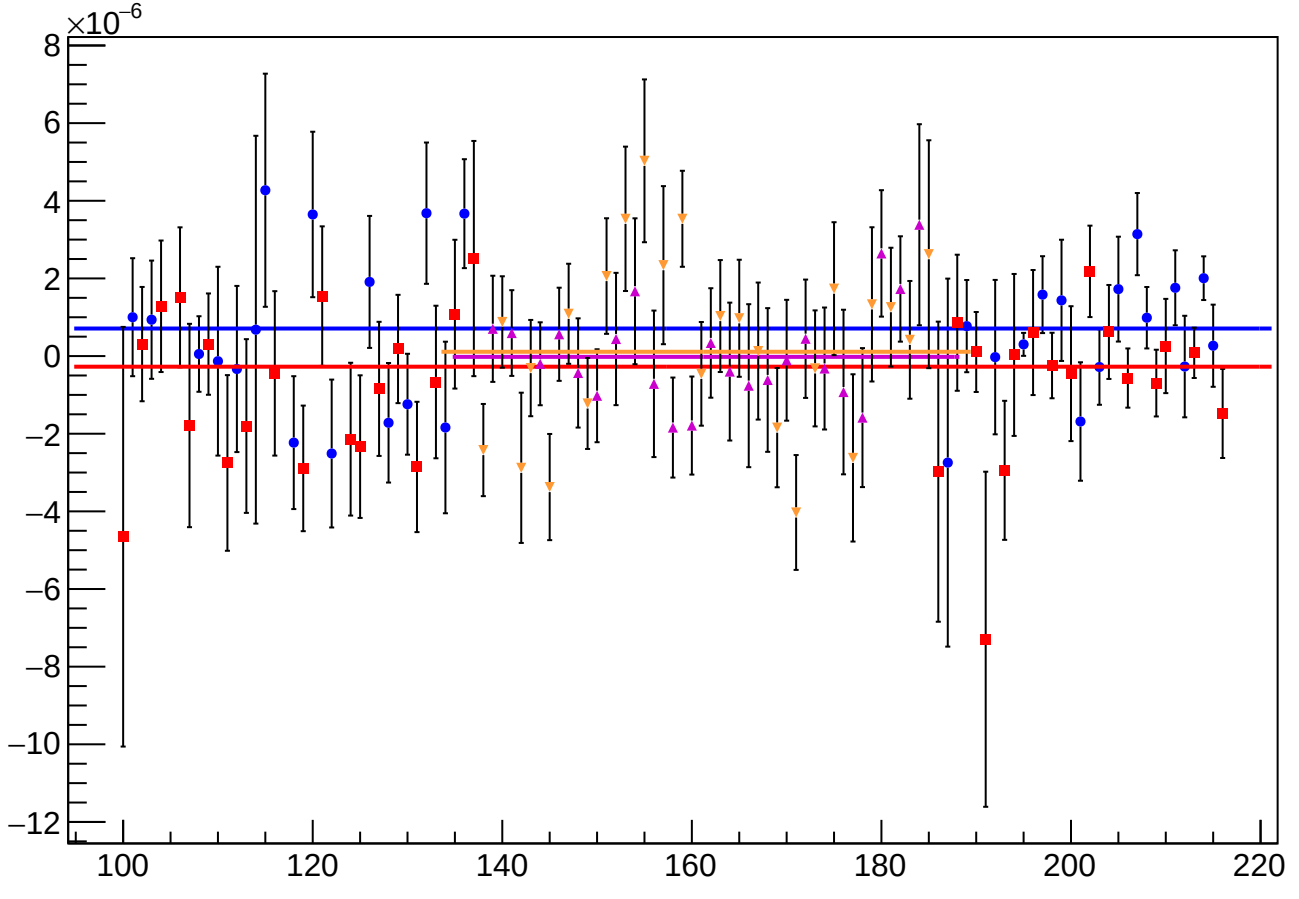
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.775+/-0.002 χ^2/NDF: 11446449.9/65

In: 15.246+/-0.002 χ^2/NDF:7868972.7/53

Out: 15.530+/-0.002 χ^2/NDF:9459137.1/59

All: 15.388+/-0.001 χ^2/NDF: 17338723.6/113



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: 27.7/34

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

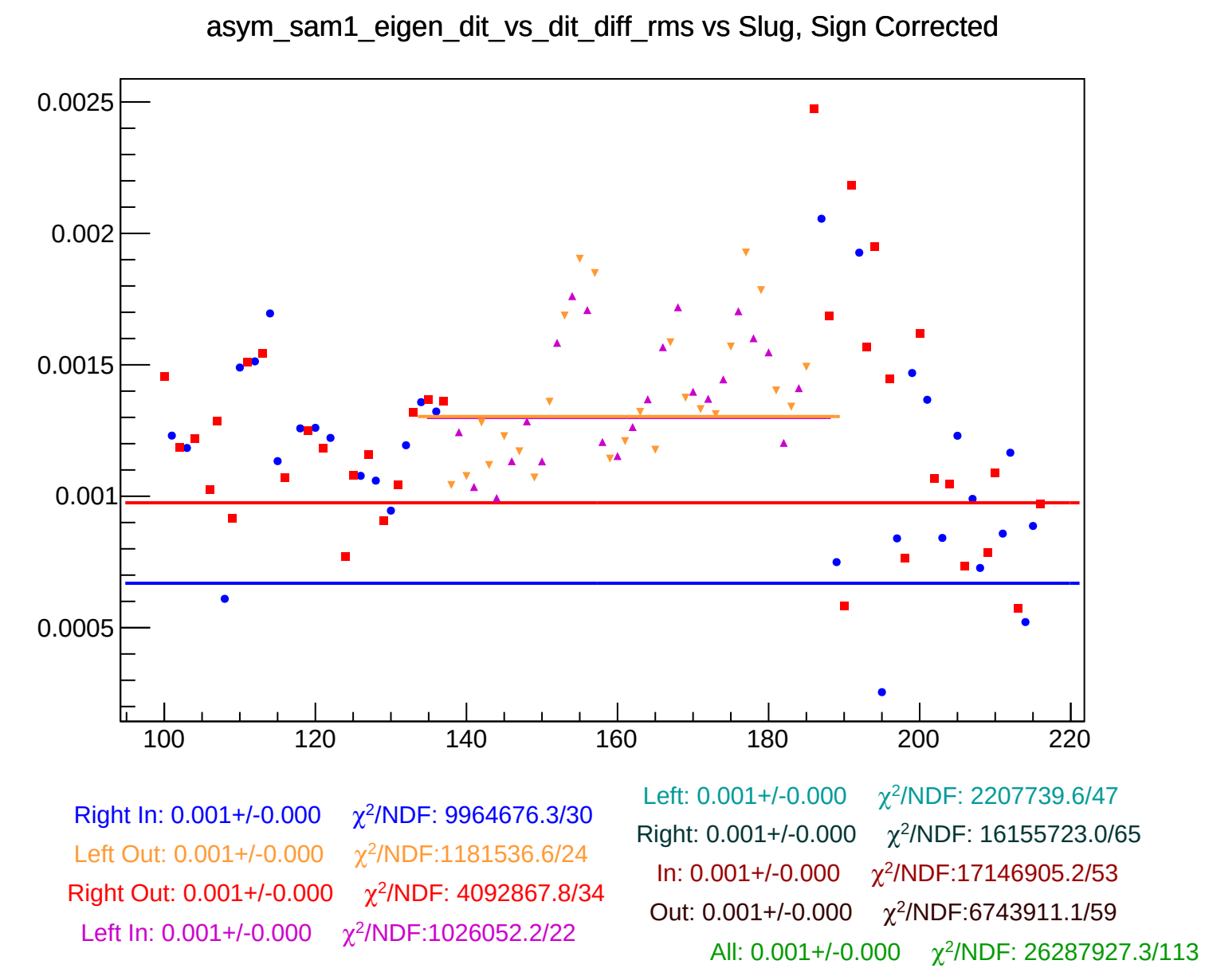
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

Right: 0.000+/-0.000 χ^2/NDF: 82.5/65

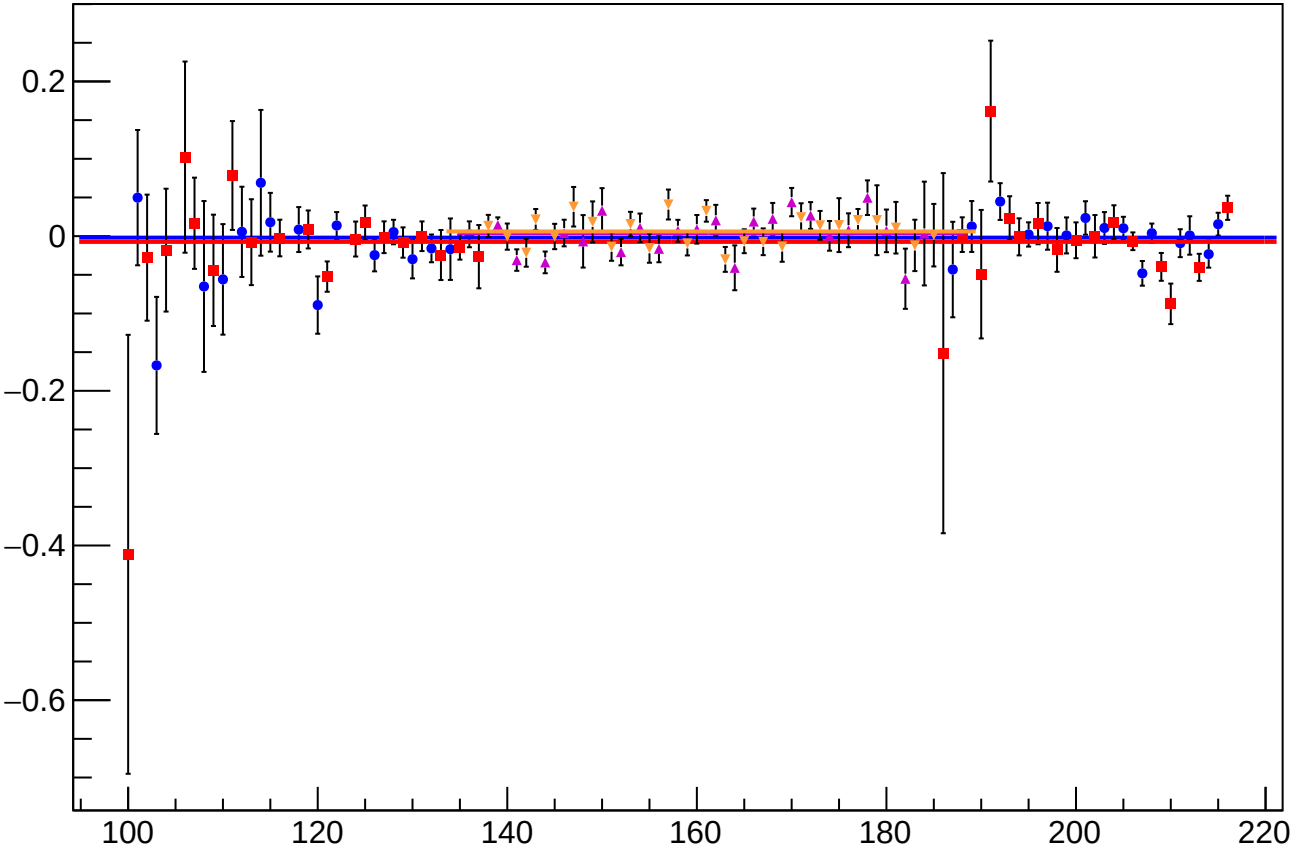
In: 0.000+/-0.000 χ^2/NDF:62.2/53

Out: -0.000+/-0.000 χ^2/NDF:78.7/59

All: 0.000+/-0.000 χ^2/NDF: 148.0/113


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: 4092867.8/34
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: 16155723.0/65
In: 0.001+/-0.000 χ²/NDF:17146905.2/53
Out: 0.001+/-0.000 χ²/NDF:6743911.1/59
All: 0.001+/-0.000 χ²/NDF: 26287927.3/113

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: -0.007+/-0.004 χ^2/NDF: 44.7/34

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

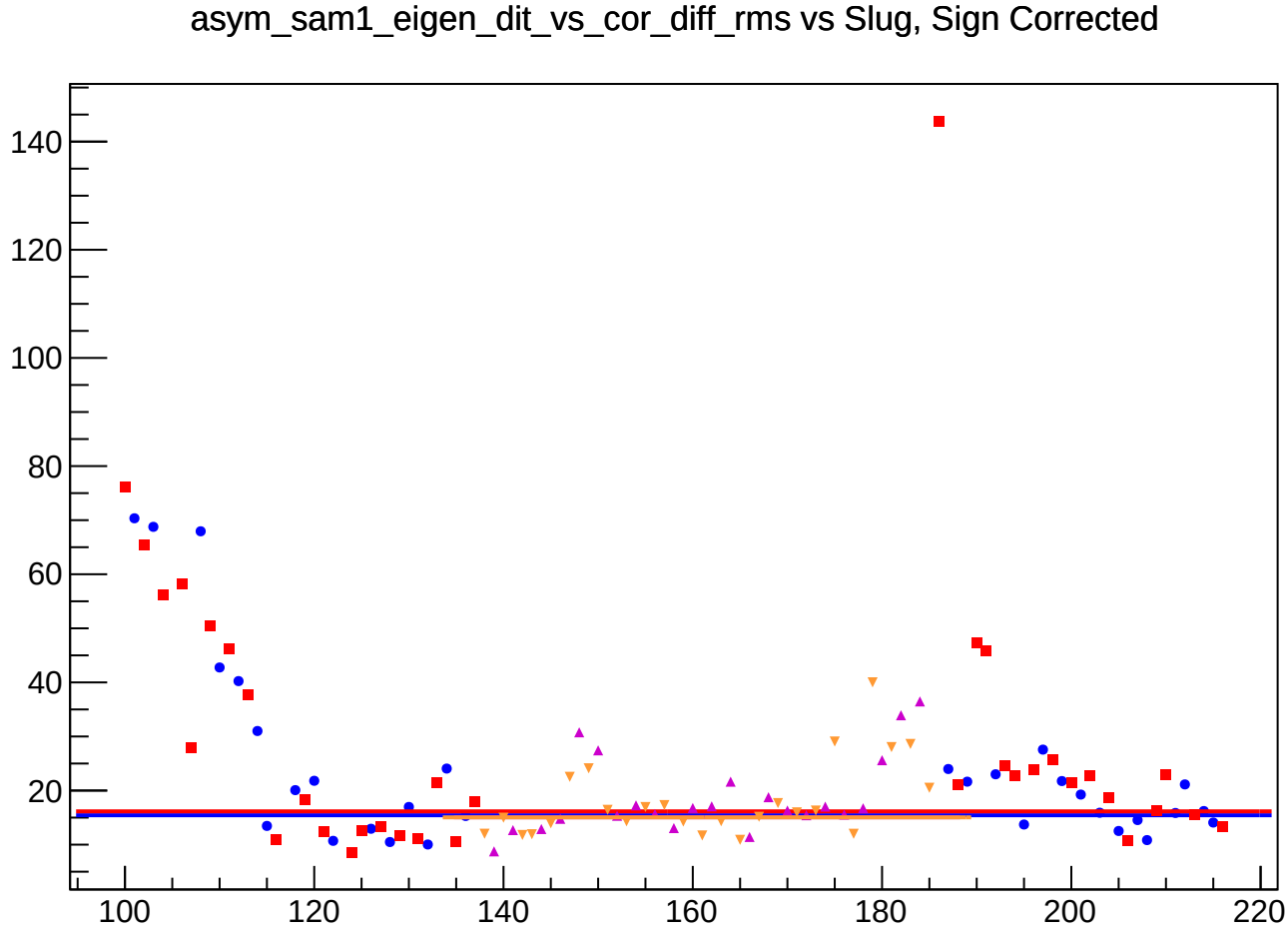
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.003 χ^2/NDF: 79.9/65

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: 0.000+/-0.003 χ^2/NDF:77.2/59

All: 0.001+/-0.002 χ^2/NDF: 149.8/113



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: 16.154+/-0.003 χ^2/NDF: 6621854.4/34

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

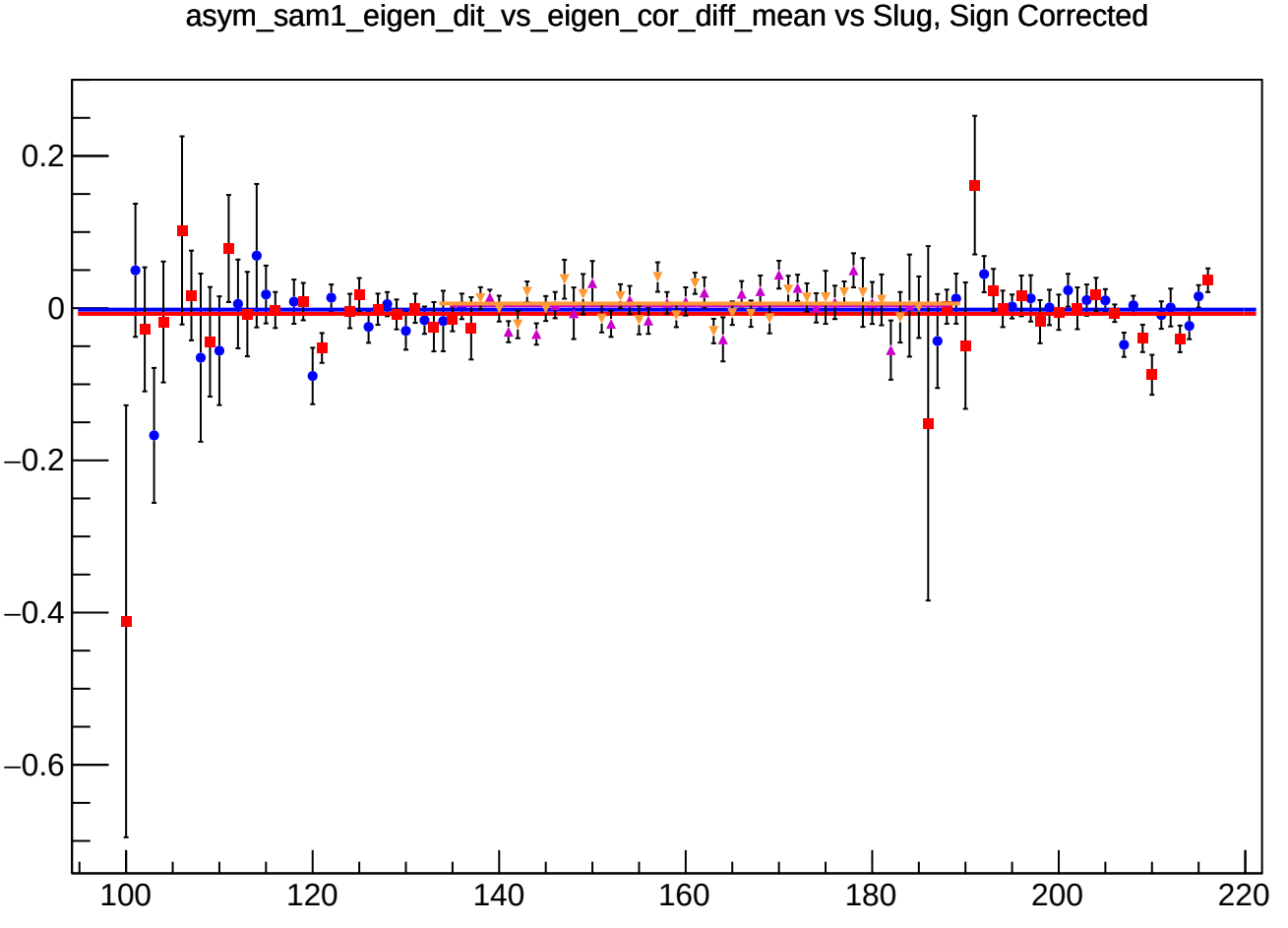
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.775+/-0.002 χ^2/NDF: 11446462.8/65

In: 15.246+/-0.002 χ^2/NDF:7869024.1/53

Out: 15.530+/-0.002 χ^2/NDF:9459333.1/59

All: 15.387+/-0.001 χ^2/NDF: 17338971.2/113



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: -0.007+/-0.004 χ^2/NDF: 44.7/34

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

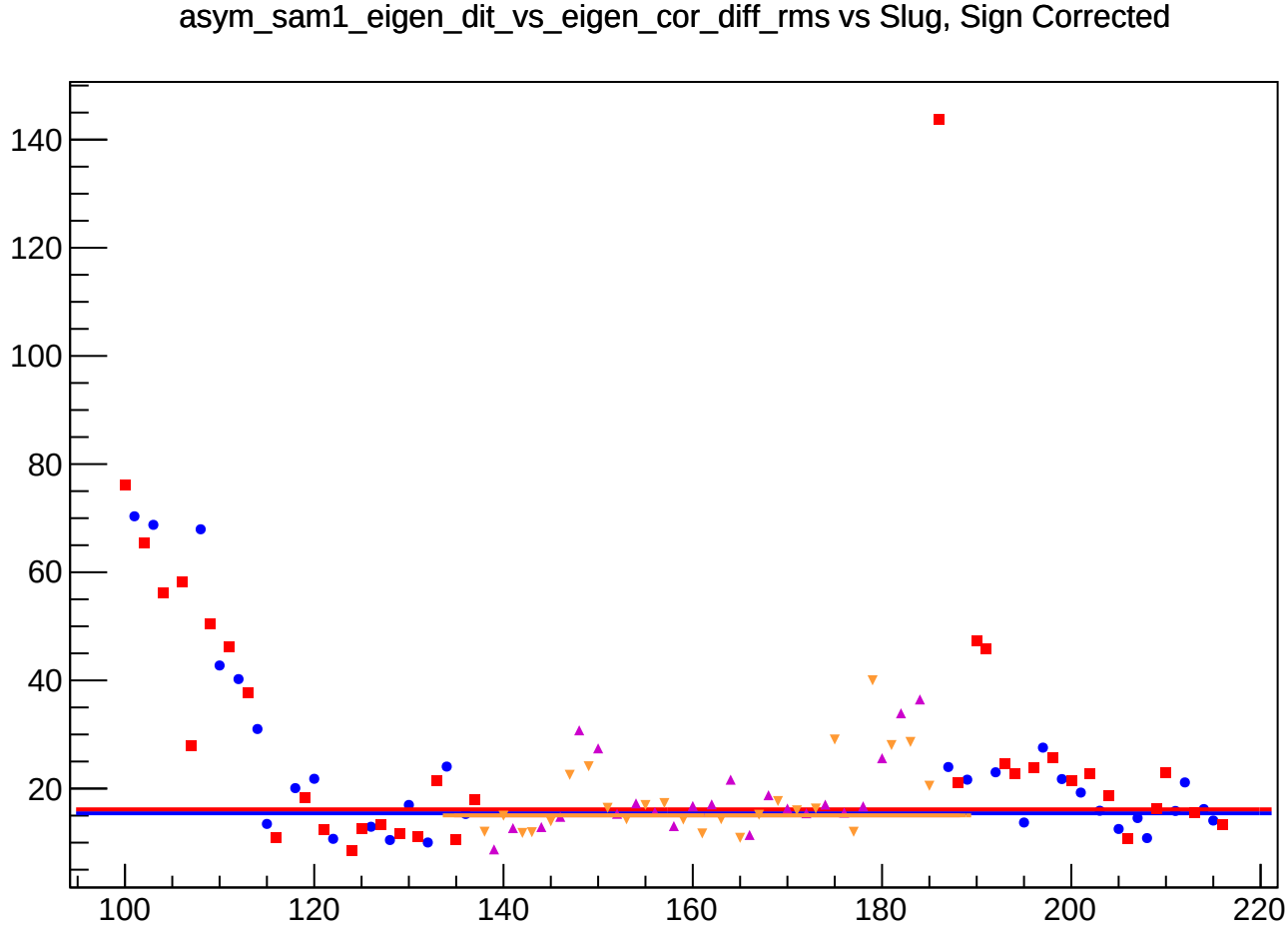
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.003 χ^2/NDF: 79.9/65

In: 0.001+/-0.003 χ^2/NDF:72.6/53

Out: 0.000+/-0.003 χ^2/NDF:77.2/59

All: 0.001+/-0.002 χ^2/NDF: 149.8/113



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: 16.154+/-0.003 χ^2/NDF: 6621854.4/34

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

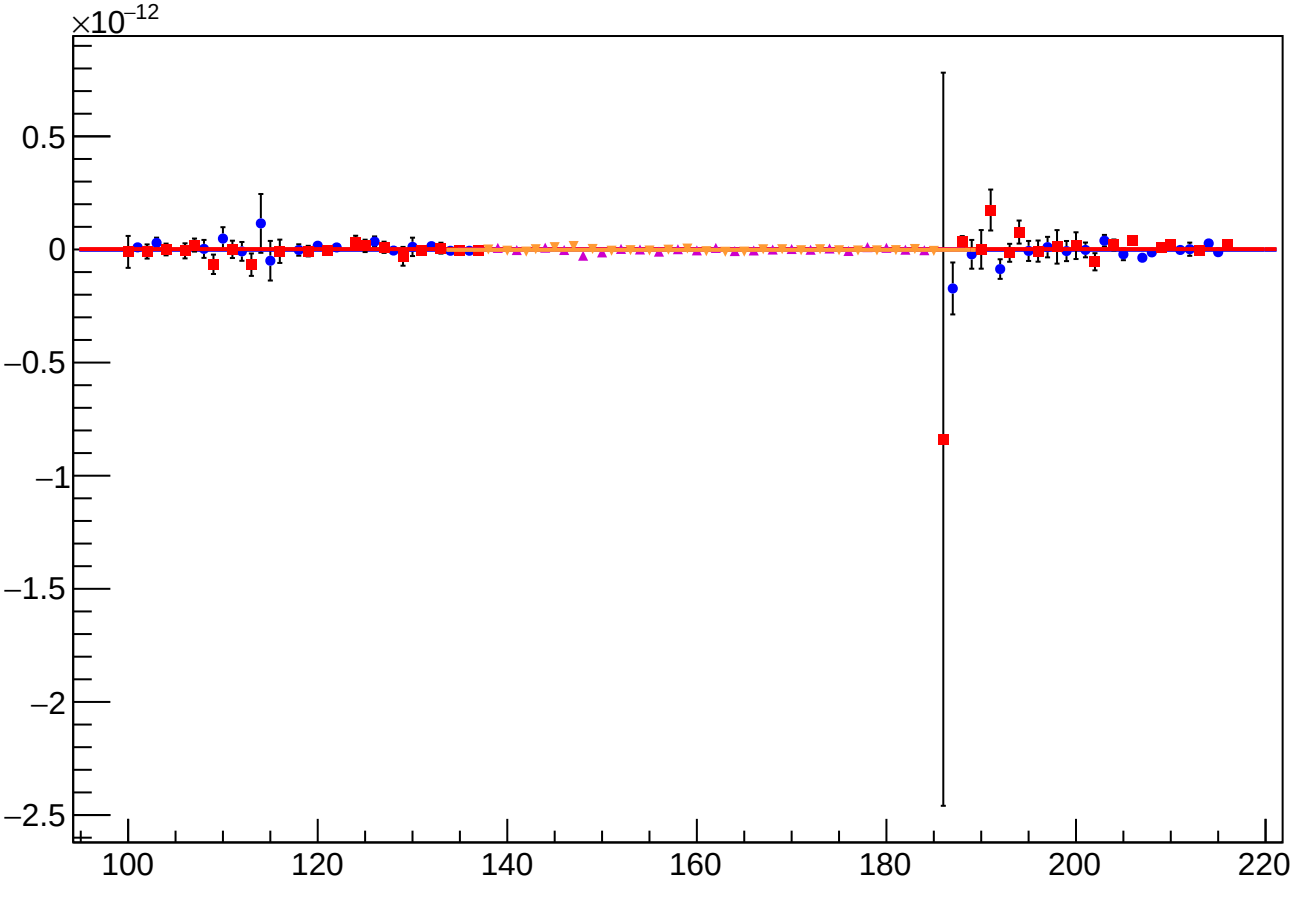
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.775+/-0.002 χ^2/NDF: 11446462.8/65

In: 15.246+/-0.002 χ^2/NDF:7869024.1/53

Out: 15.530+/-0.002 χ^2/NDF:9459333.1/59

All: 15.387+/-0.001 χ^2/NDF: 17338971.2/113



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: 25.7/34

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

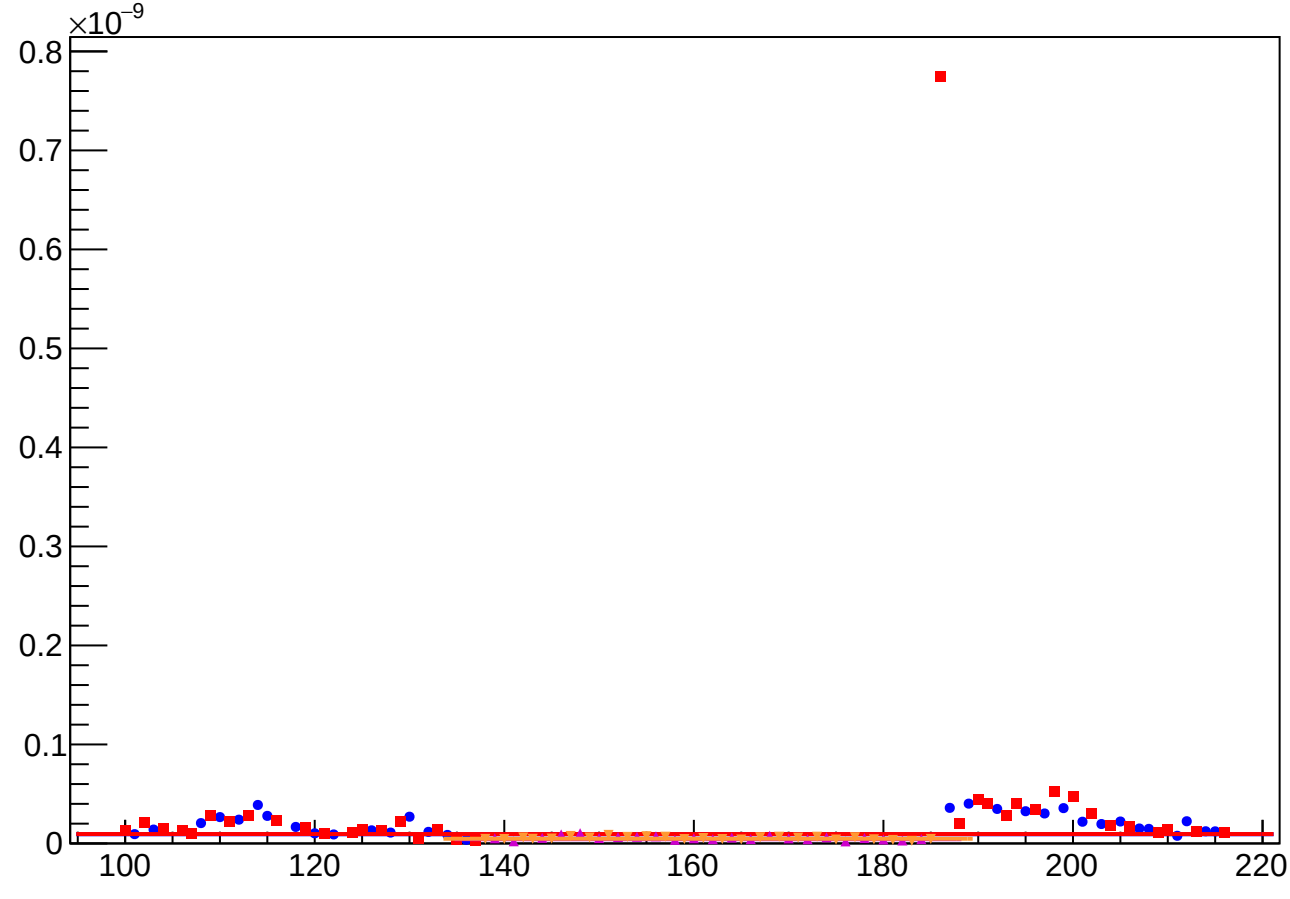
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 52.9/65

In: -0.000+/-0.000 χ^2/NDF:48.1/53

Out: -0.000+/-0.000 χ^2/NDF:41.9/59

All: -0.000+/-0.000 χ^2/NDF: 90.0/113



Right In: 0.000+/-0.000 χ^2/NDF: 9407511.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11162237.6/34

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

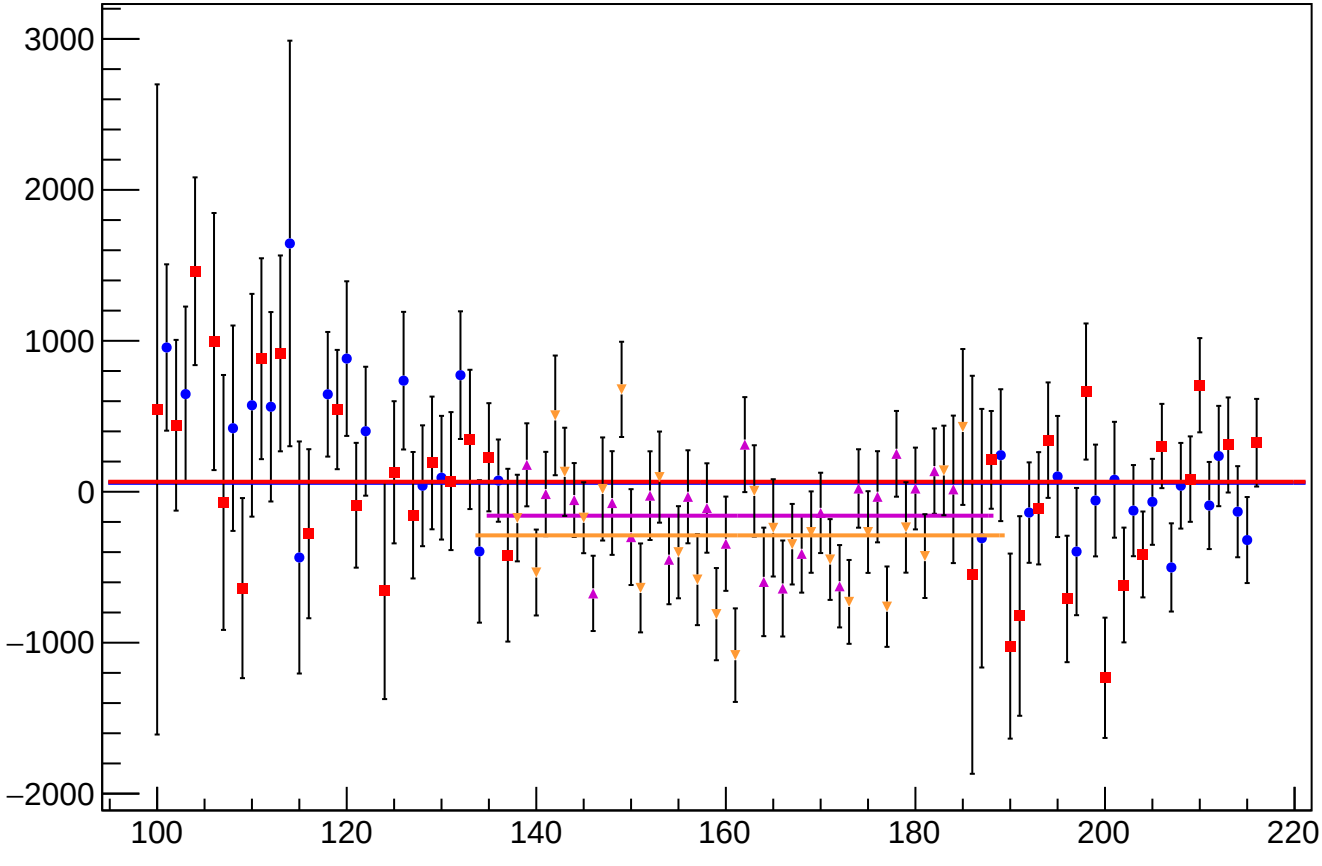
Right: 0.000+/-0.000 χ^2/NDF: 20574919.0/65

In: 0.000+/-0.000 χ^2/NDF:17092547.2/53

Out: 0.000+/-0.000 χ^2/NDF:16669203.4/59

All: 0.000+/-0.000 χ^2/NDF: 33879860.2/113

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: 66.324+/-72.159 χ^2/NDF: 50.4/34

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

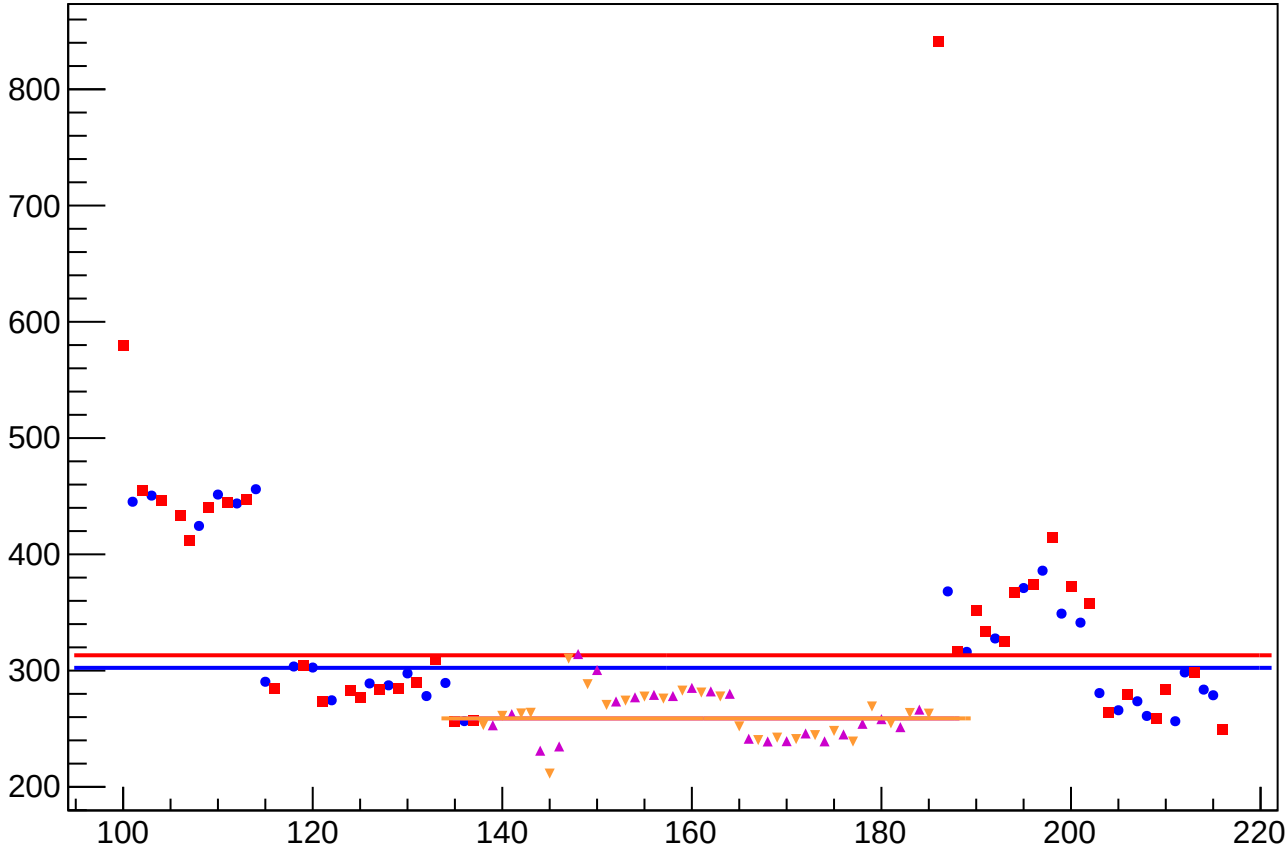
Right: 62.629+/-50.242 χ^2/NDF: 77.5/65

In: -65.122+/-45.862 χ^2/NDF:55.1/53

Out: -146.484+/-45.692 χ^2/NDF:107.3/59

All: -105.954+/-32.369 χ^2/NDF: 164.0/113

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: 313.183+/-0.051 χ^2/NDF: 1572180.2/34

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

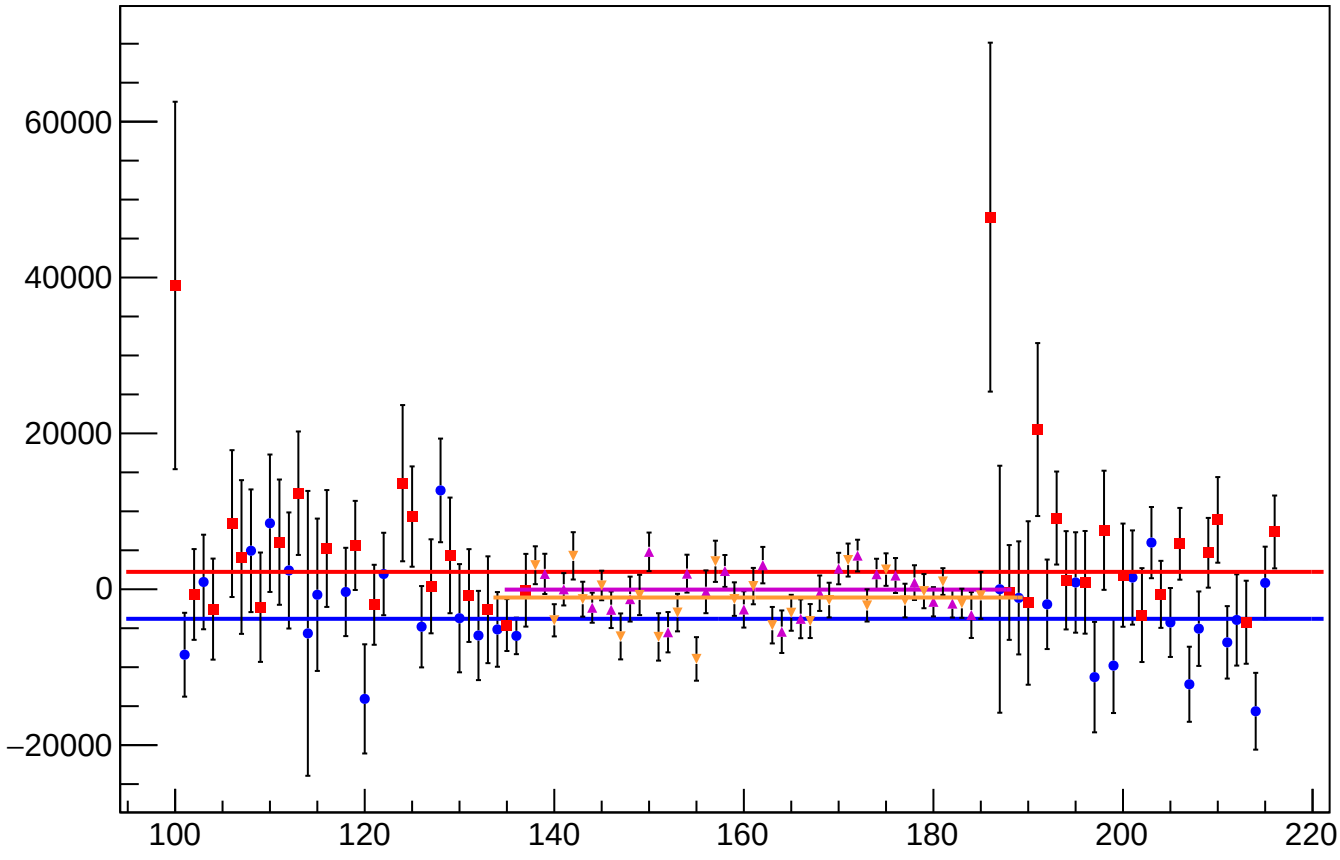
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 307.614+/-0.036 χ^2/NDF: 2604468.1/65

In: 277.531+/-0.032 χ^2/NDF:1695588.7/53

Out: 280.672+/-0.032 χ^2/NDF:2498640.7/59

All: 279.107+/-0.023 χ^2/NDF: 4198940.3/113



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: 2231.672+/-1033.963 χ^2/NDF: 30.5/34

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

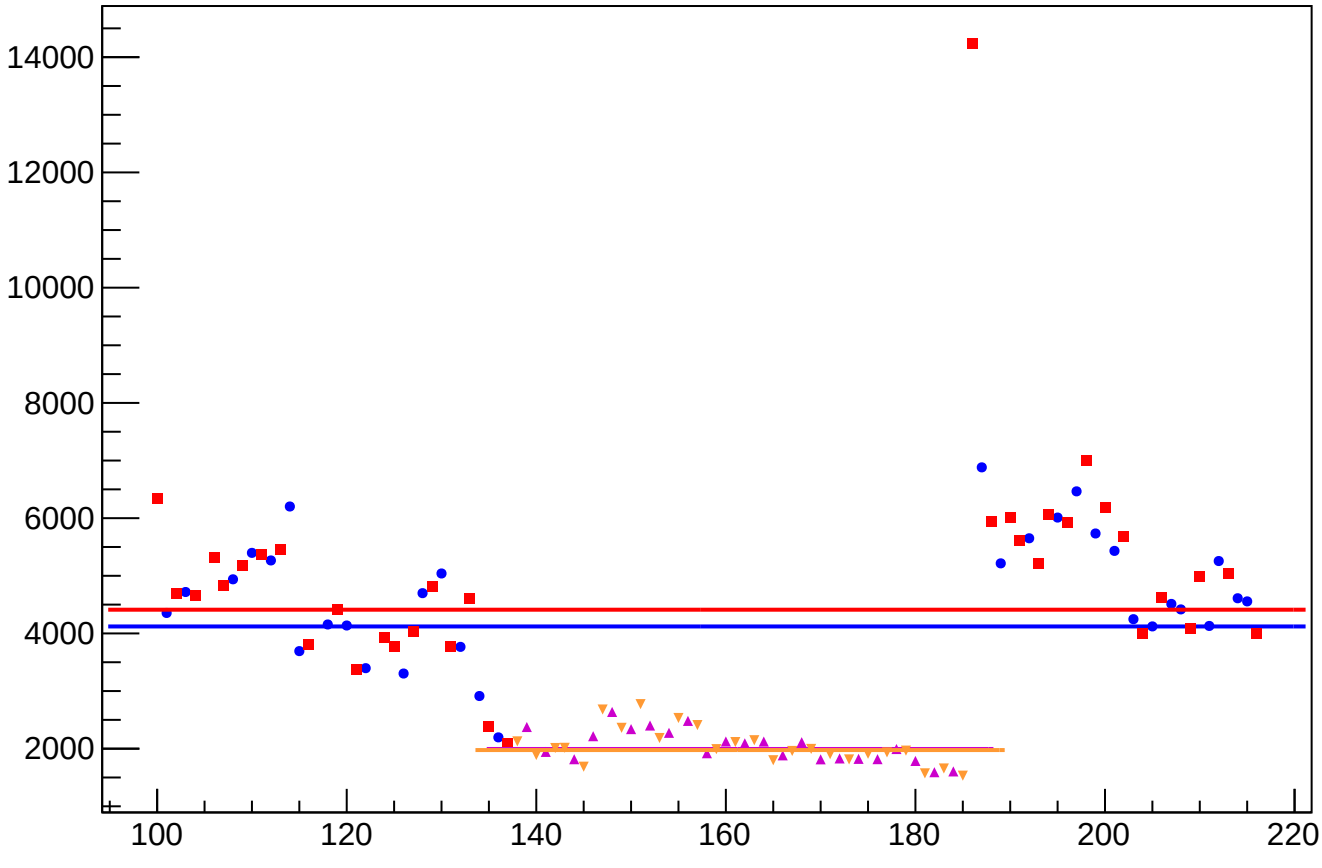
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -948.449+/-710.396 χ^2/NDF: 83.3/65

In: -749.517+/-424.109 χ^2/NDF:81.0/53

Out: -526.022+/-416.194 χ^2/NDF:80.5/59

All: -635.664+/-297.052 χ^2/NDF: 161.6/113



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: 4411.638+/-0.731 χ^2/NDF: 2947418.5/34

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

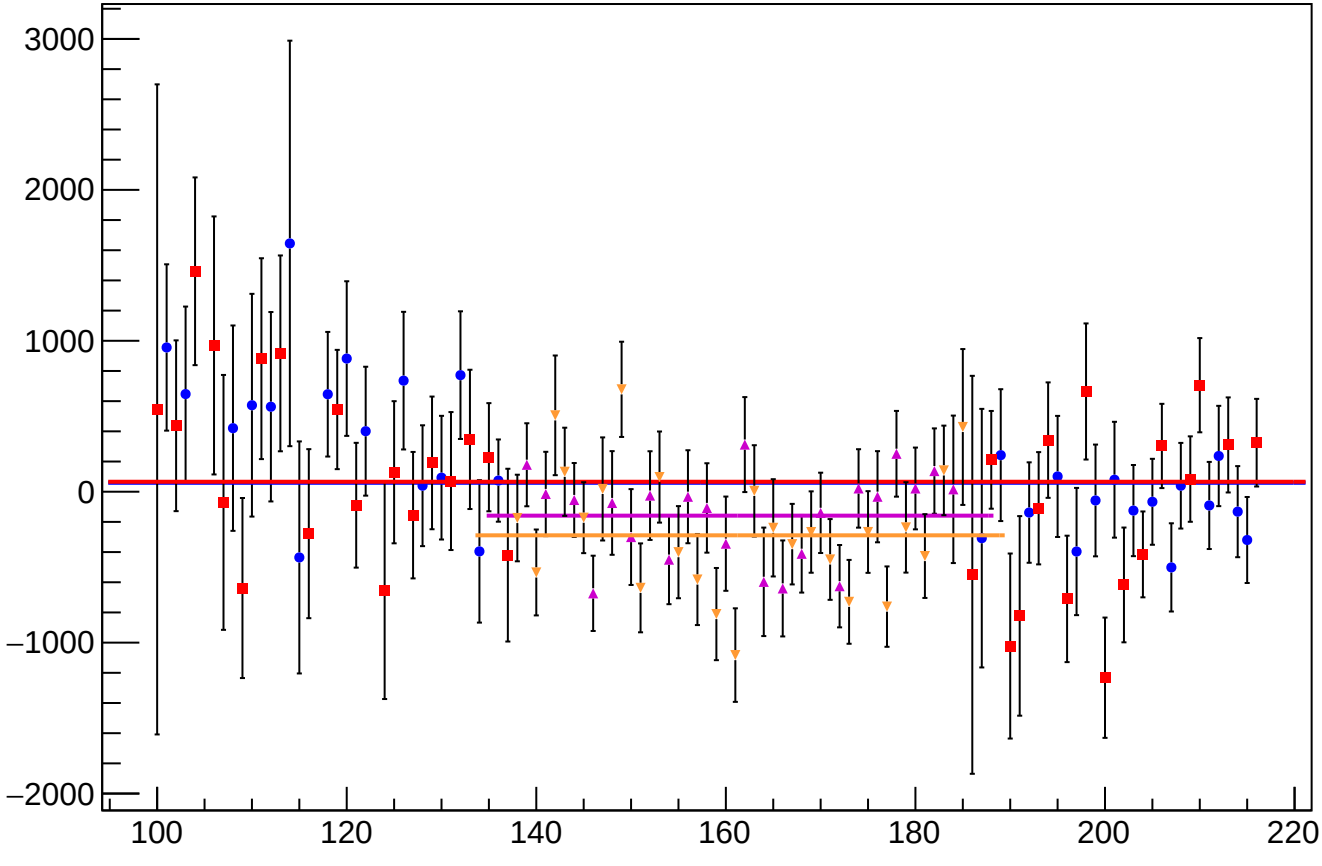
Right: 4258.196+/-0.502 χ^2/NDF: 5823204.0/65

In: 2394.849+/-0.300 χ^2/NDF:11071447.5/53

Out: 2370.606+/-0.294 χ^2/NDF:13010862.5/59

All: 2382.499+/-0.210 χ^2/NDF: 24085639.3/1

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: 66.017+/-72.161 χ^2/NDF: 50.3/34

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

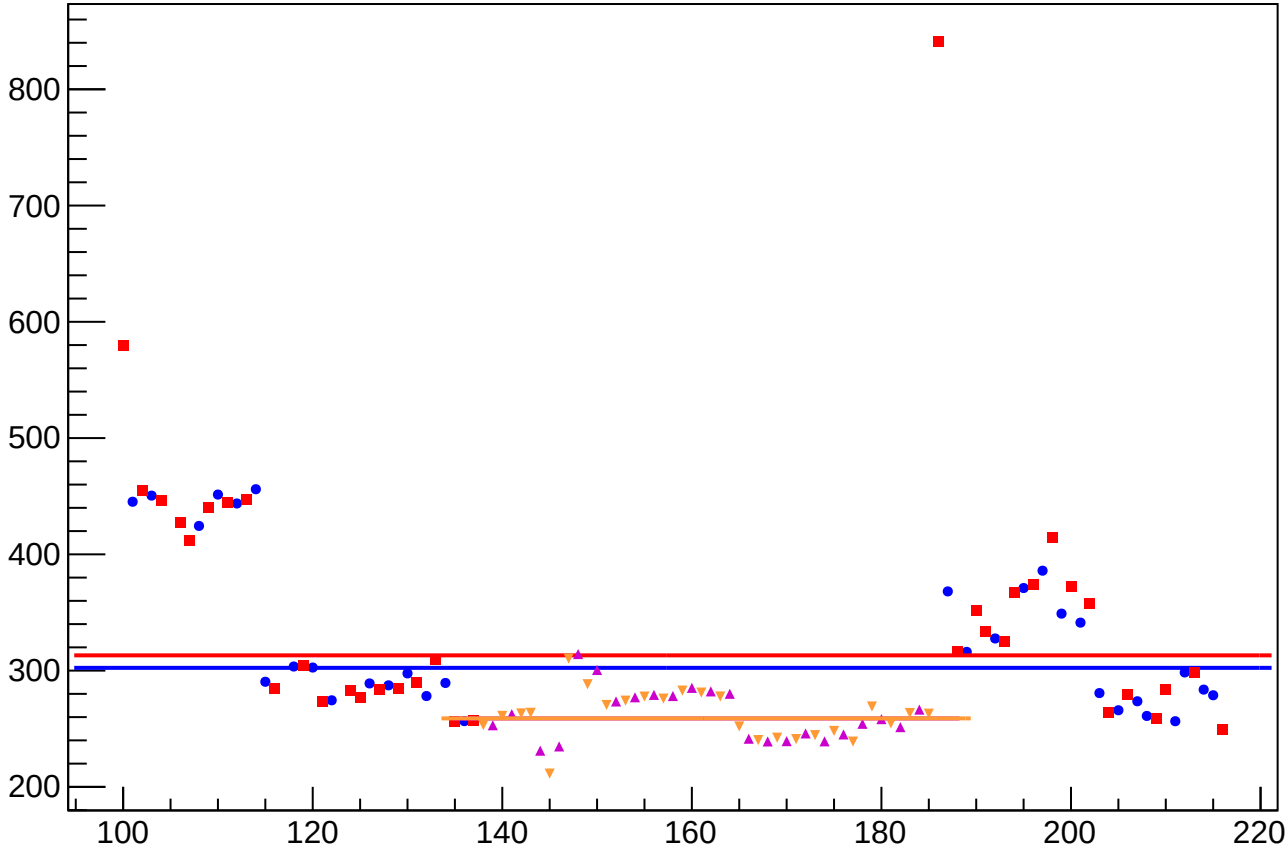
Right: 62.468+/-50.243 χ^2/NDF: 77.4/65

In: -65.138+/-45.862 χ^2/NDF:55.1/53

Out: -146.616+/-45.692 χ^2/NDF:107.2/59

All: -106.028+/-32.369 χ^2/NDF: 163.9/113

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: 313.129+/-0.051 χ^2/NDF: 1567744.0/34

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

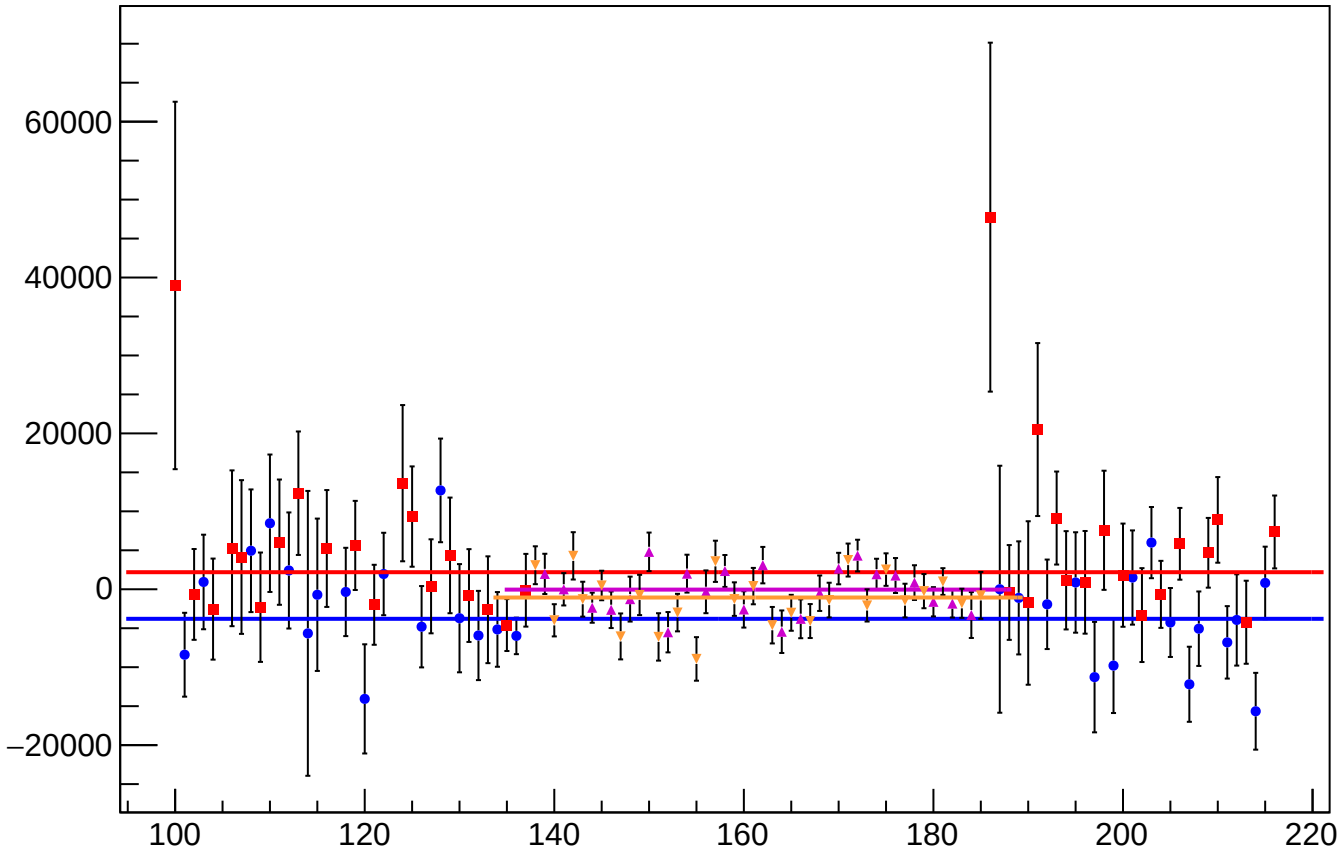
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 307.588+/-0.036 χ^2/NDF: 2599802.9/65

In: 277.531+/-0.032 χ^2/NDF:1695590.3/53

Out: 280.650+/-0.032 χ^2/NDF:2492833.5/59

All: 279.096+/-0.023 χ^2/NDF: 4193067.5/113



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: 2189.719+/-1034.675 χ^2/NDF: 30.1/34

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

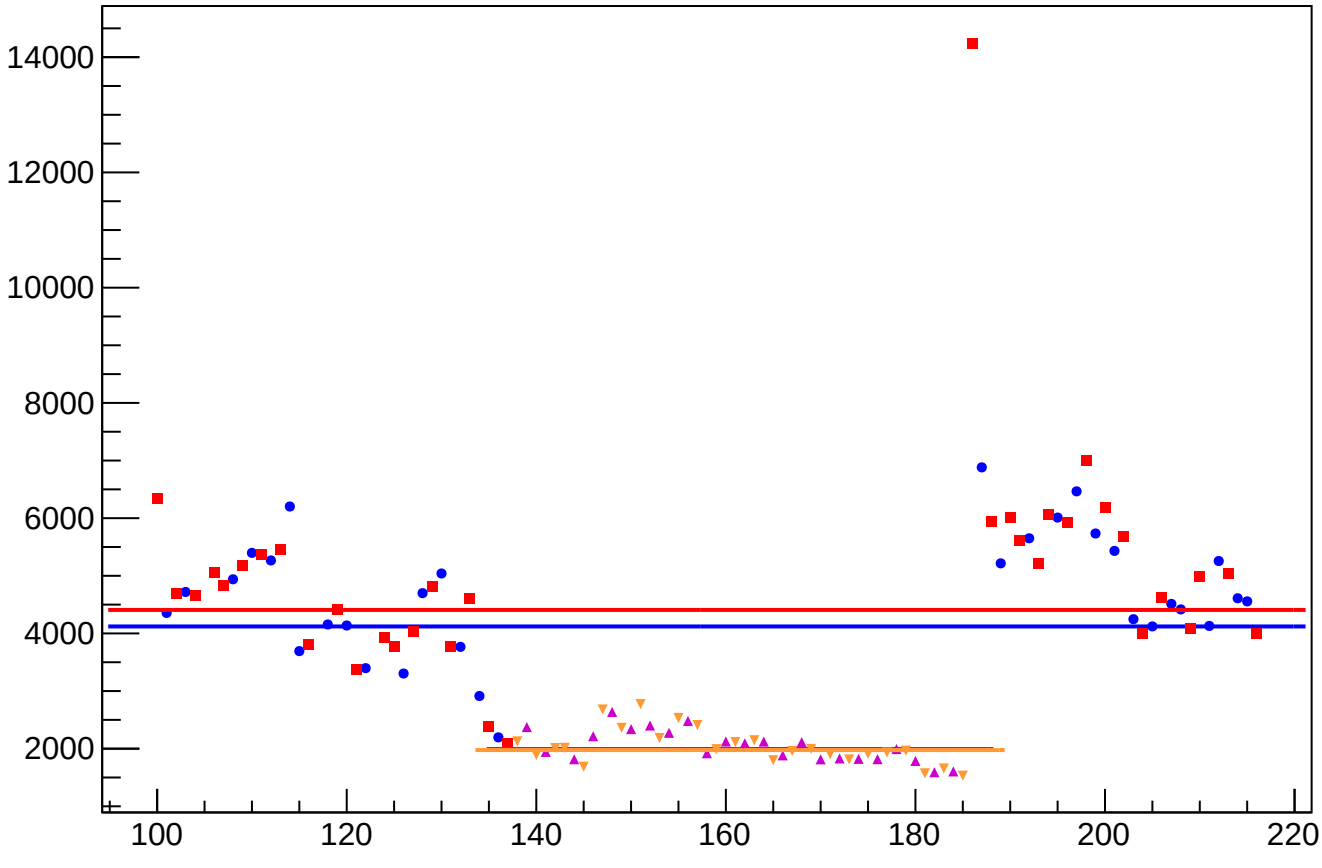
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -970.290+/-710.627 χ^2/NDF: 82.7/65

In: -749.508+/-424.109 χ^2/NDF:81.0/53

Out: -533.429+/-416.240 χ^2/NDF:79.9/59

All: -639.446+/-297.069 χ^2/NDF: 161.0/113



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: 4407.864+/-0.732 χ^2/NDF: 2937795.7/34

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

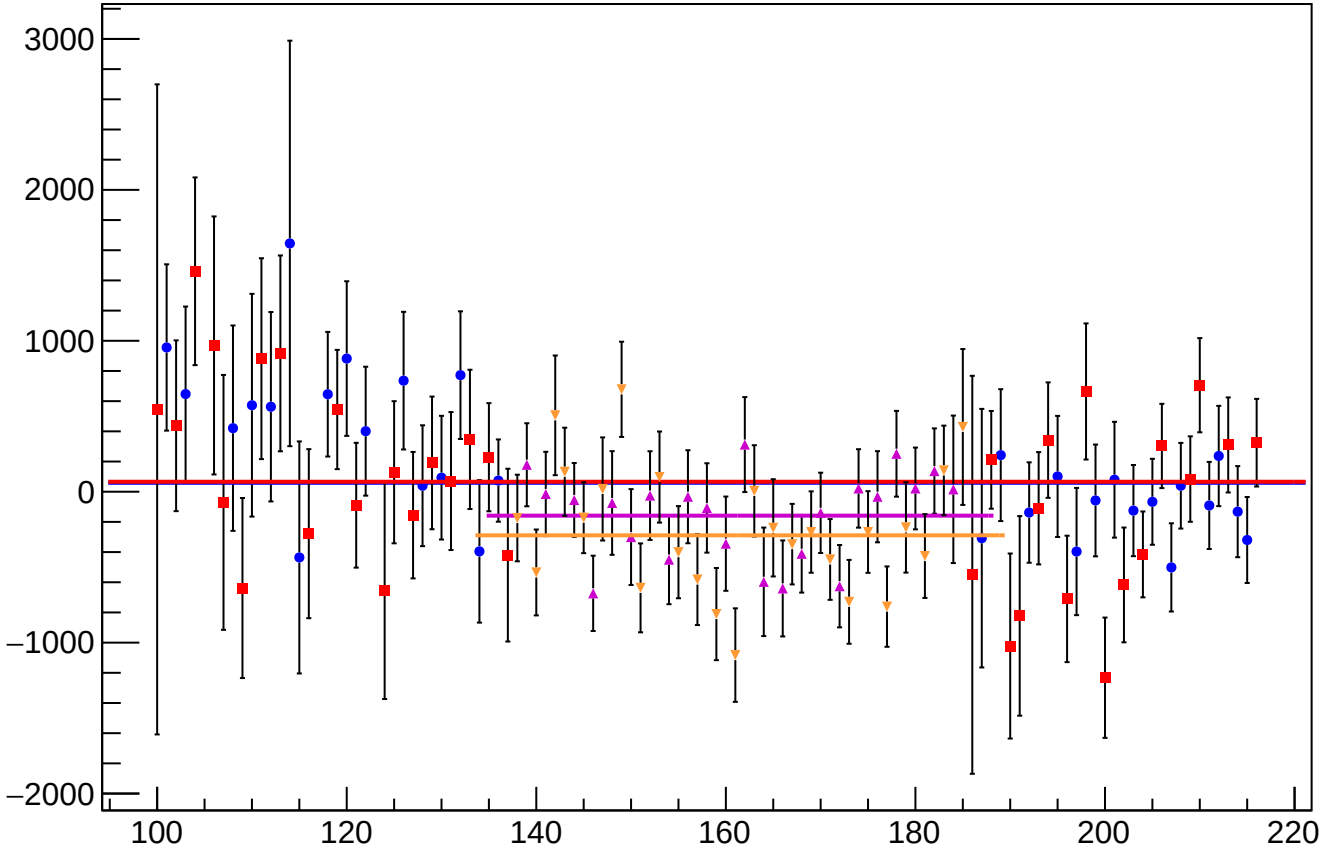
Right: 4256.318+/-0.502 χ^2/NDF: 5811375.7/65

In: 2394.850+/-0.300 χ^2/NDF:11071466.3/53

Out: 2369.540+/-0.294 χ^2/NDF:12961752.1/59

All: 2381.958+/-0.210 χ^2/NDF: 24036846.5/1

eigen_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: 66.017+/-72.161 χ^2/NDF: 50.3/34

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

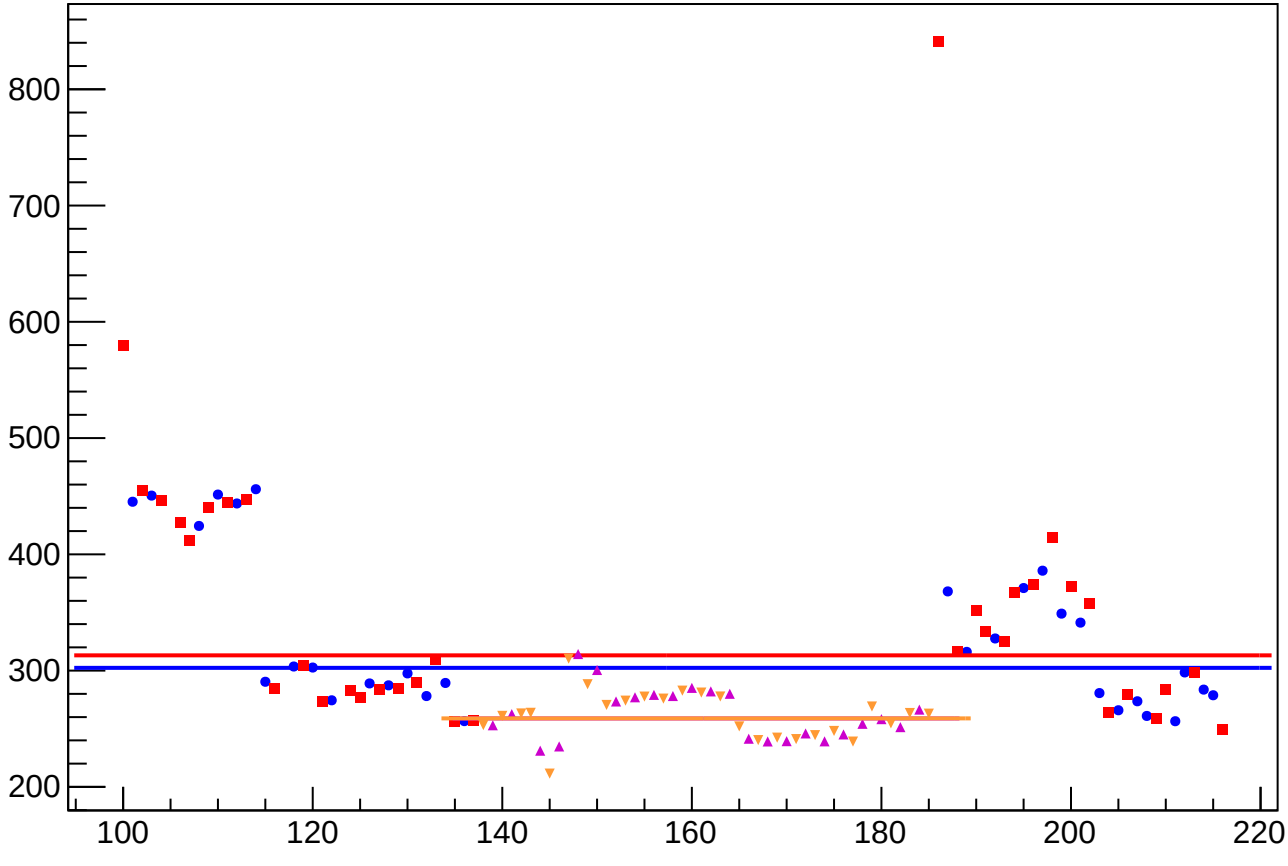
Right: 62.468+/-50.243 χ^2/NDF: 77.4/65

In: -65.138+/-45.862 χ^2/NDF:55.1/53

Out: -146.616+/-45.692 χ^2/NDF:107.2/59

All: -106.028+/-32.369 χ^2/NDF: 163.9/113

eigen_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: 313.129+/-0.051 χ^2/NDF: 1567744.0/34

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

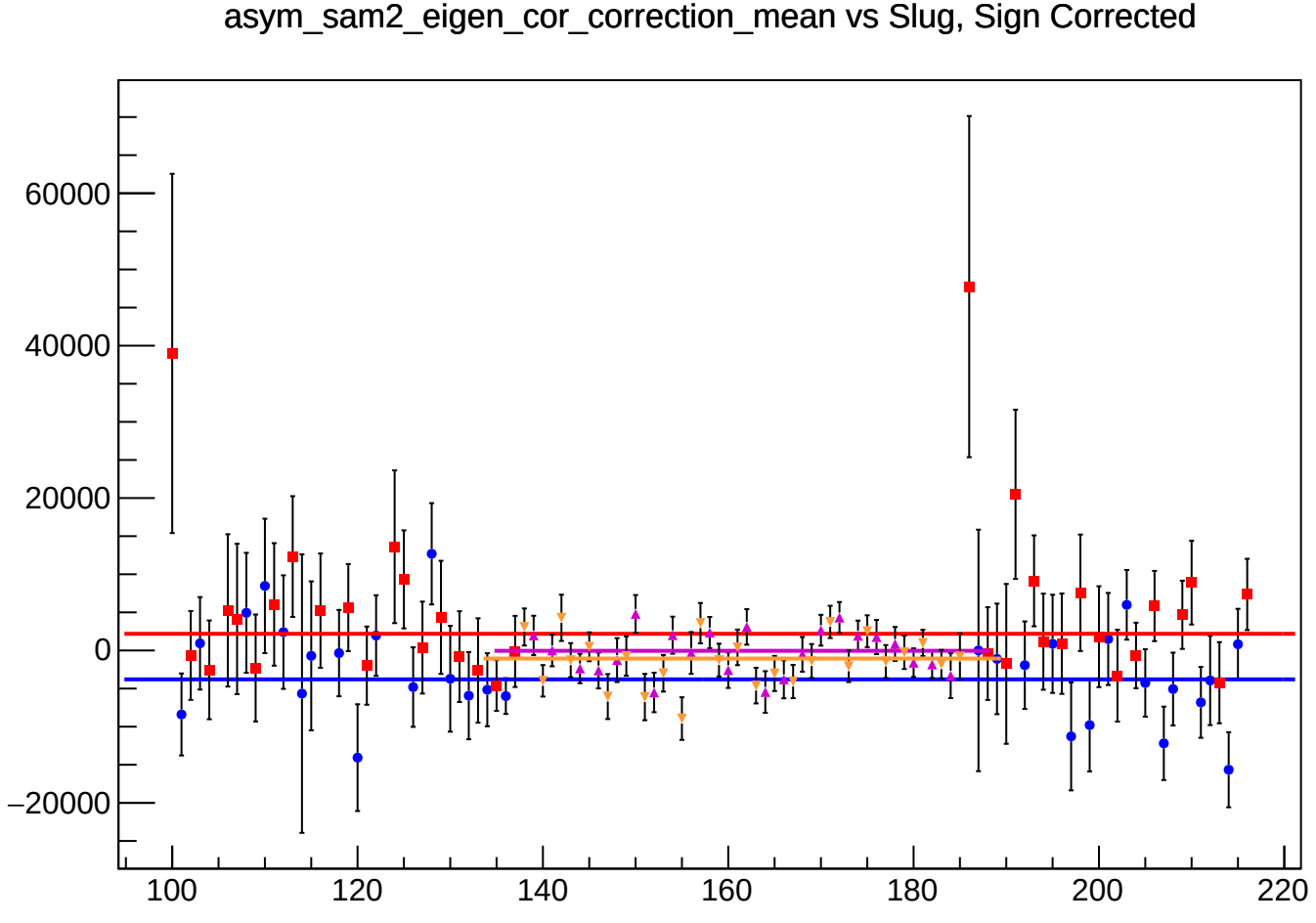
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 307.588+/-0.036 χ^2/NDF: 2599802.9/65

In: 277.531+/-0.032 χ^2/NDF:1695590.3/53

Out: 280.650+/-0.032 χ^2/NDF:2492833.5/59

All: 279.096+/-0.023 χ^2/NDF: 4193067.5/113



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: 2189.719+/-1034.675 χ^2/NDF: 30.1/34

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

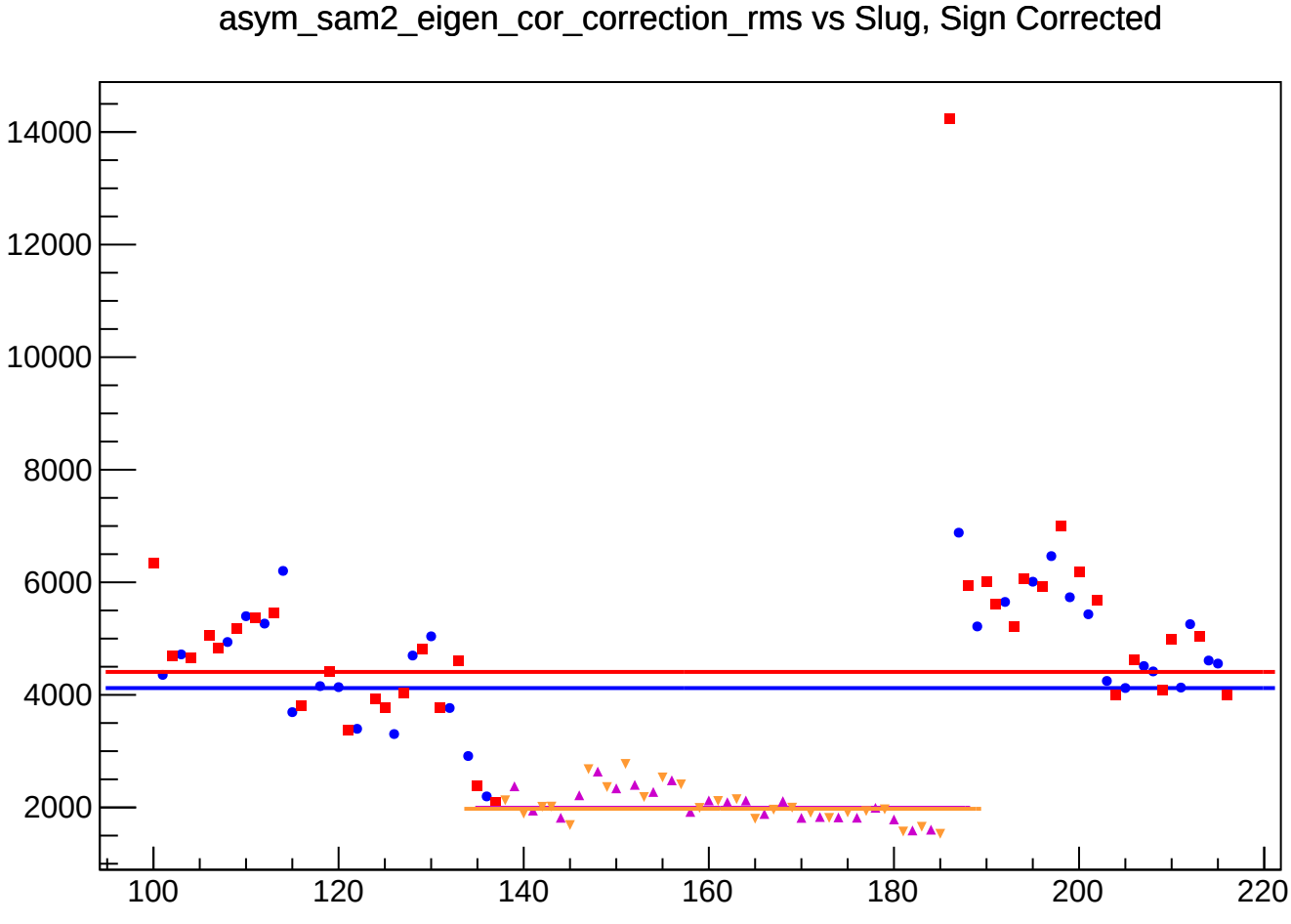
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -970.290+/-710.627 χ^2/NDF: 82.7/65

In: -749.508+/-424.109 χ^2/NDF:81.0/53

Out: -533.429+/-416.240 χ^2/NDF:79.9/59

All: -639.446+/-297.069 χ^2/NDF: 161.0/113



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: 4407.864+/-0.732 χ^2/NDF: 2937795.7/34

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

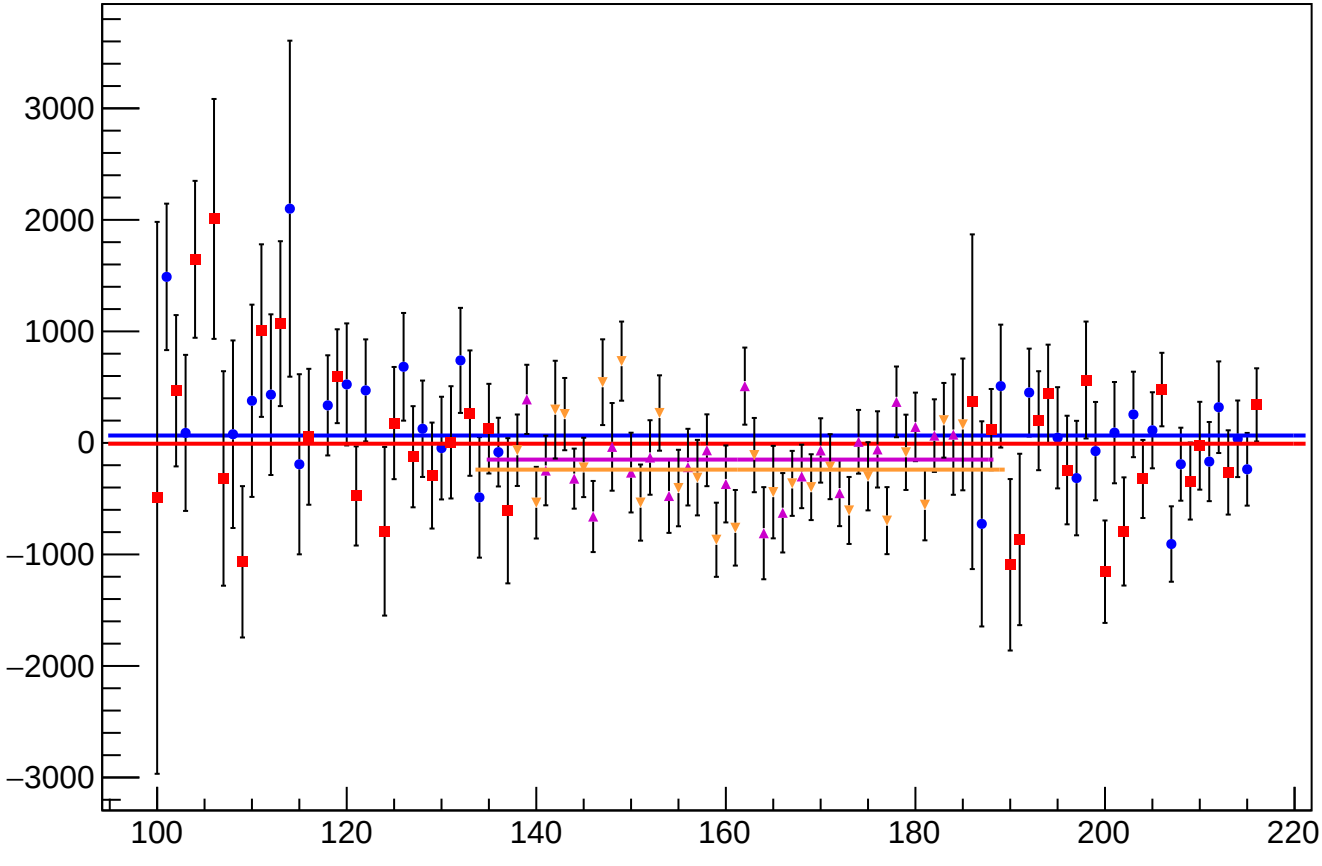
Right: 4256.318+/-0.502 χ^2/NDF: 5811375.7/65

In: 2394.850+/-0.300 χ^2/NDF:11071466.3/53

Out: 2369.540+/-0.294 χ^2/NDF:12961752.1/59

All: 2381.958+/-0.210 χ^2/NDF: 24036846.5/1

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: -7.227+/-83.646 χ^2/NDF: 42.5/34

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

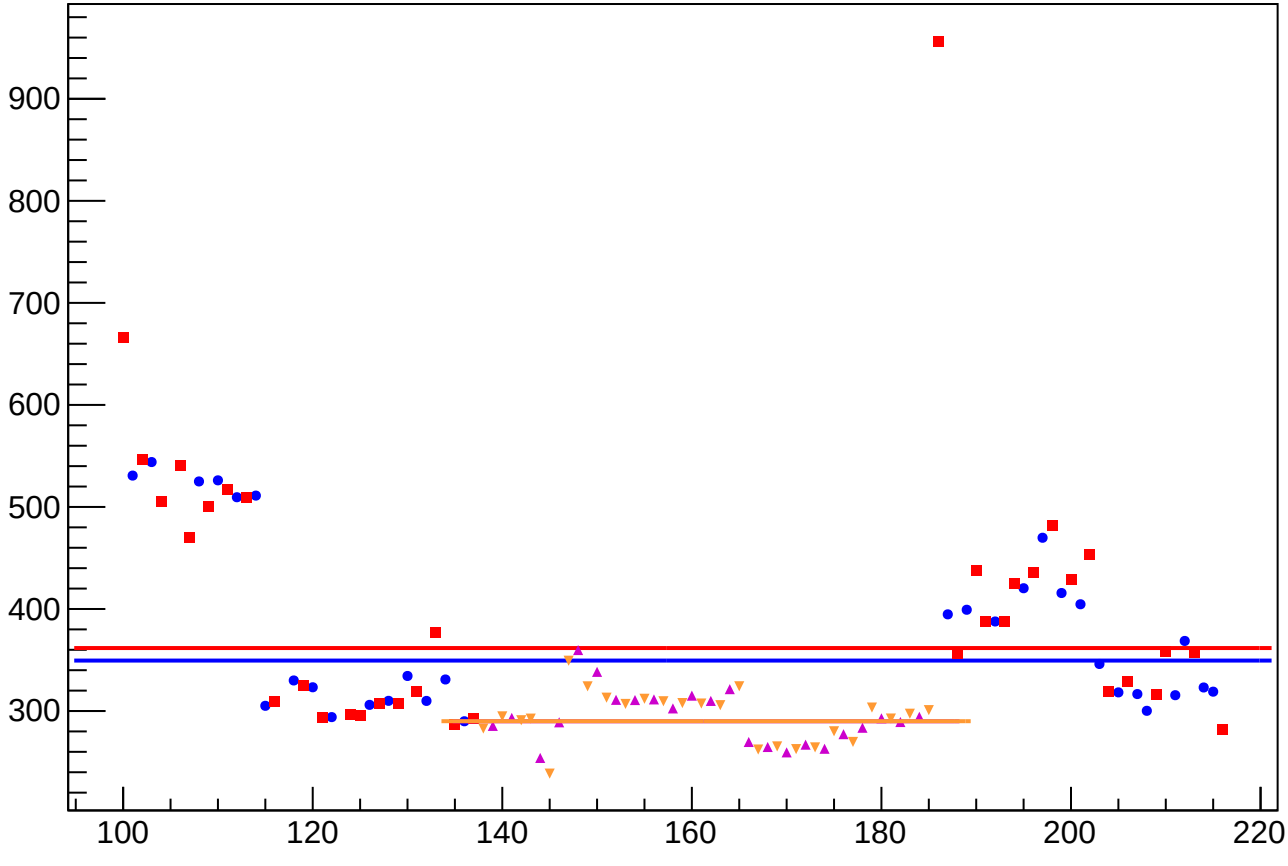
Right: 30.638+/-58.257 χ^2/NDF: 70.6/65

In: -60.285+/-52.201 χ^2/NDF:53.6/53

Out: -150.129+/-51.894 χ^2/NDF:81.2/59

All: -105.472+/-36.803 χ^2/NDF: 136.3/113

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: 361.717+/-0.059 χ^2/NDF: 1727311.3/34

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

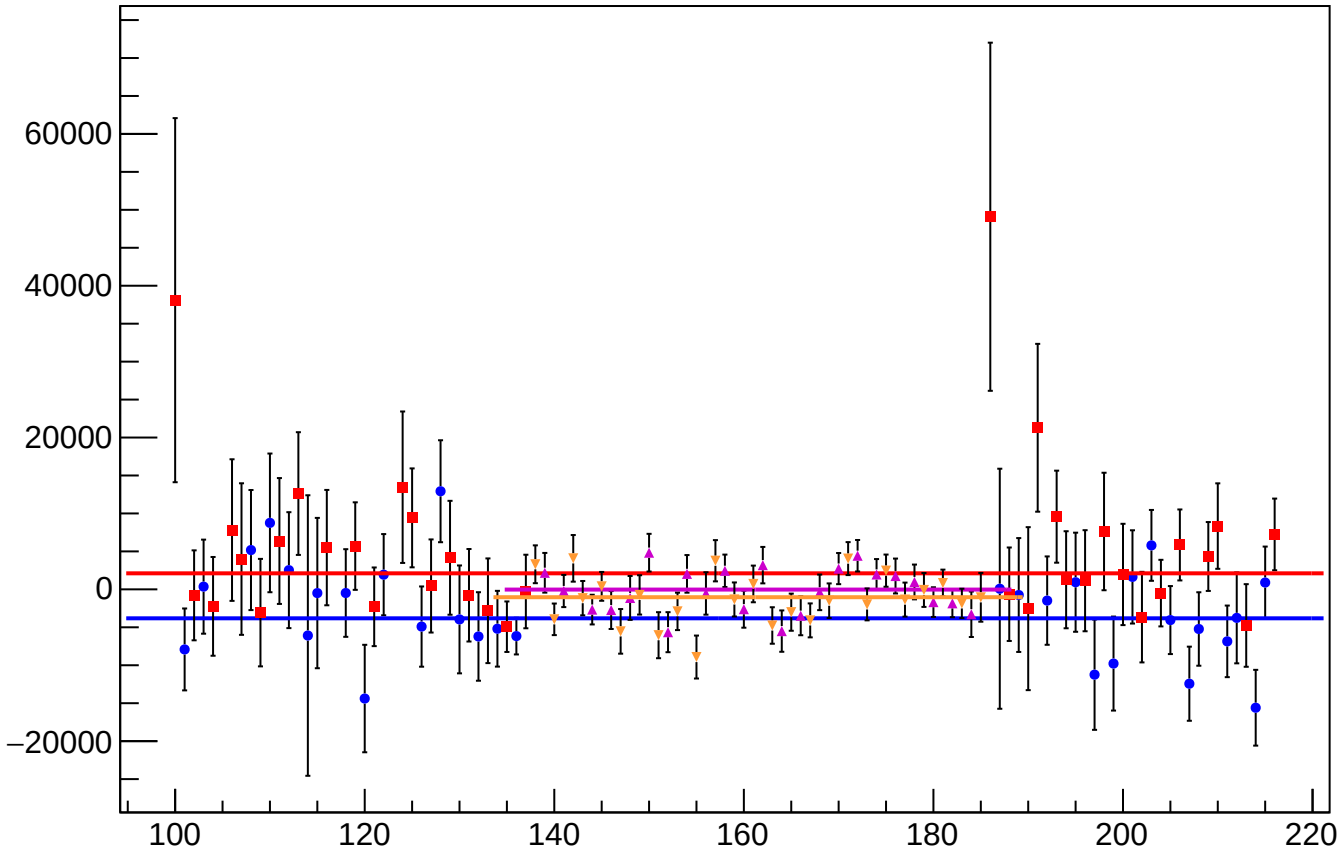
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 355.400+/-0.041 χ^2/NDF: 2925678.7/65

In: 314.545+/-0.037 χ^2/NDF:2076183.9/53

Out: 317.618+/-0.037 χ^2/NDF:2911730.4/59

All: 316.090+/-0.026 χ^2/NDF: 4991400.5/113



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: 2110.652+/-1047.263 χ^2/NDF: 31.1/34

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

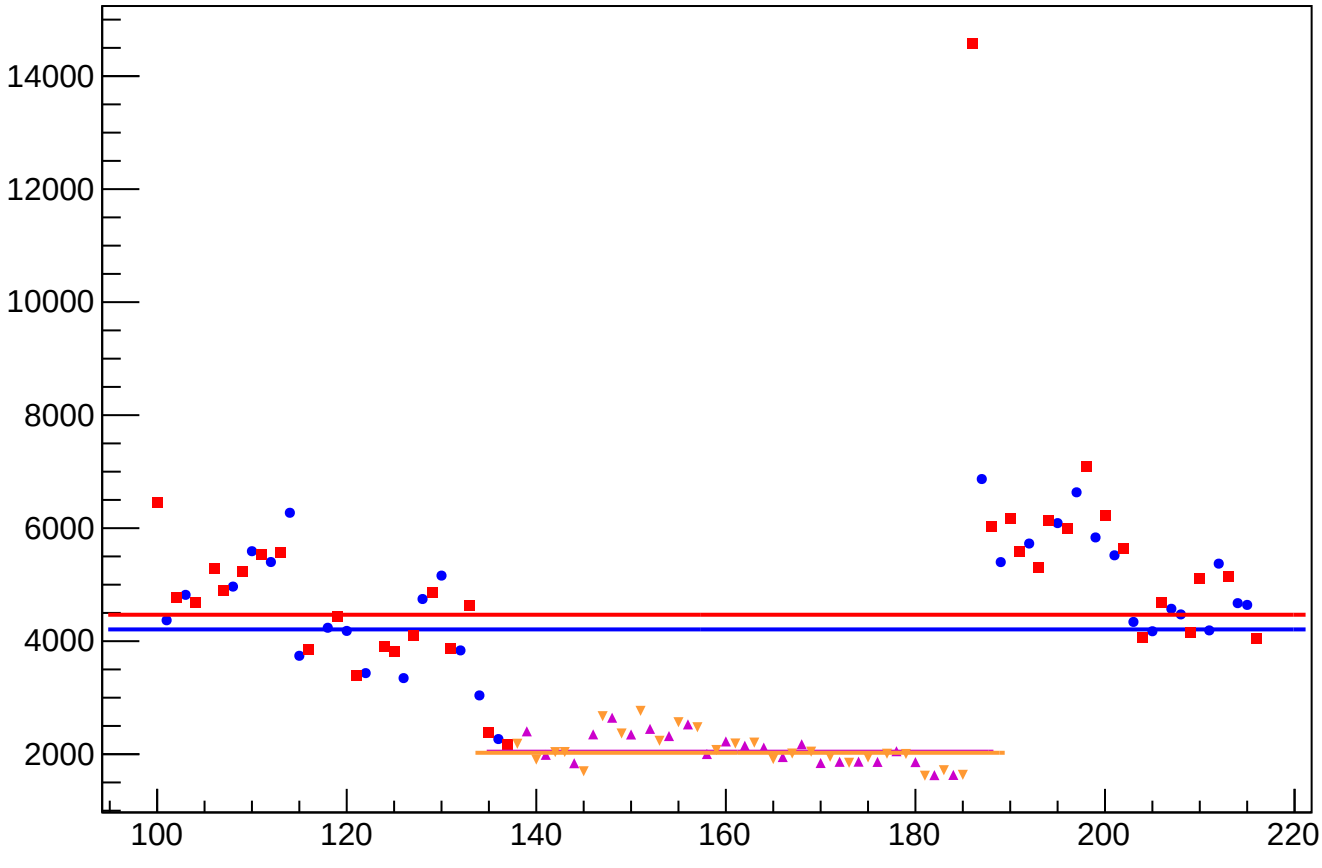
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -998.557+/-722.082 χ^2/NDF: 82.2/65

In: -748.333+/-434.149 χ^2/NDF:80.1/53

Out: -517.694+/-425.237 χ^2/NDF:78.9/59

All: -630.622+/-303.790 χ^2/NDF: 159.2/113



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: 4467.944+/-0.741 χ^2/NDF: 2943324.0/34

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

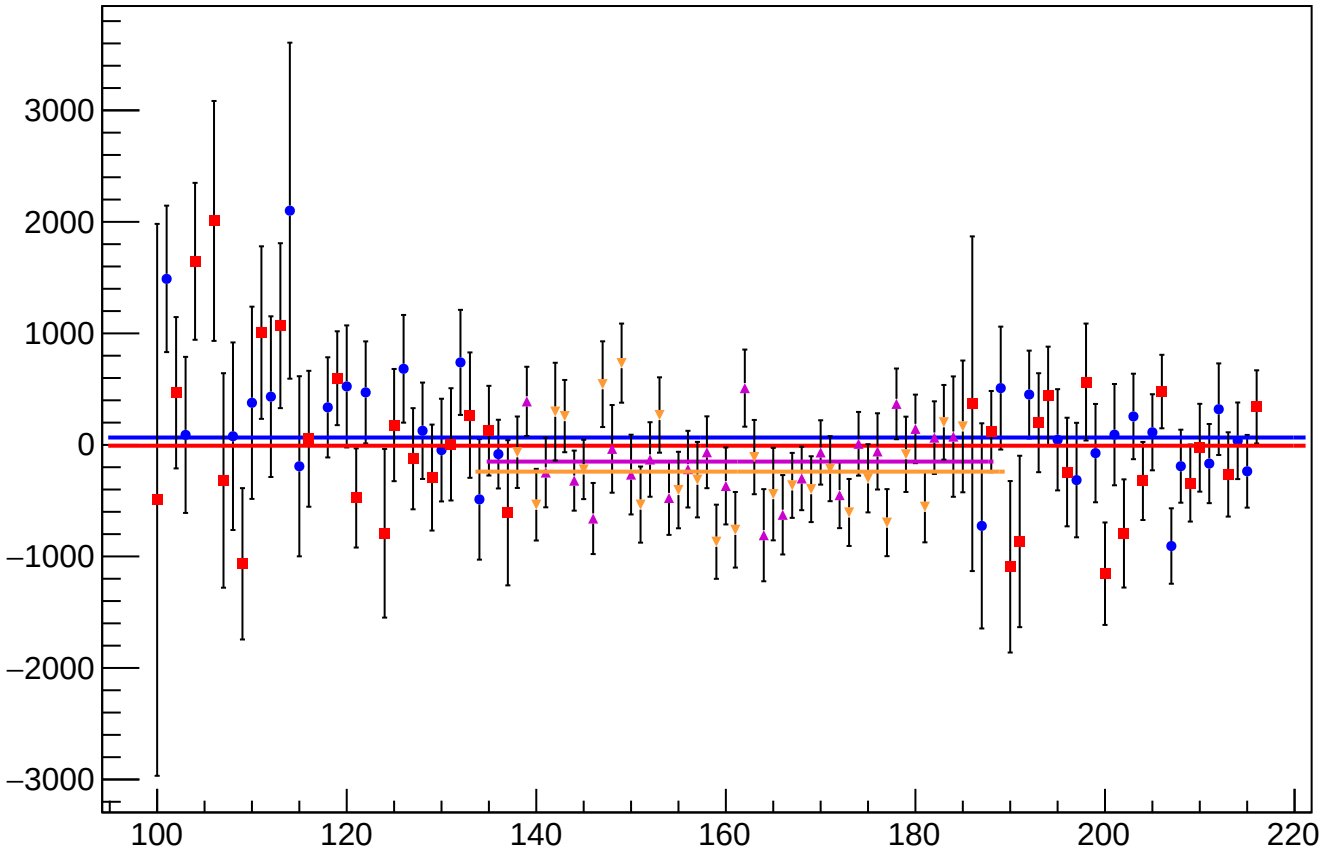
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4331.757+/-0.511 χ^2/NDF: 5711751.9/65

In: 2454.869+/-0.307 χ^2/NDF:10923748.6/53

Out: 2427.848+/-0.301 χ^2/NDF:12732130.4/59

All: 2441.078+/-0.215 χ^2/NDF: 23659832.9/1



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: -7.227+/-83.646 χ^2/NDF: 42.5/34

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

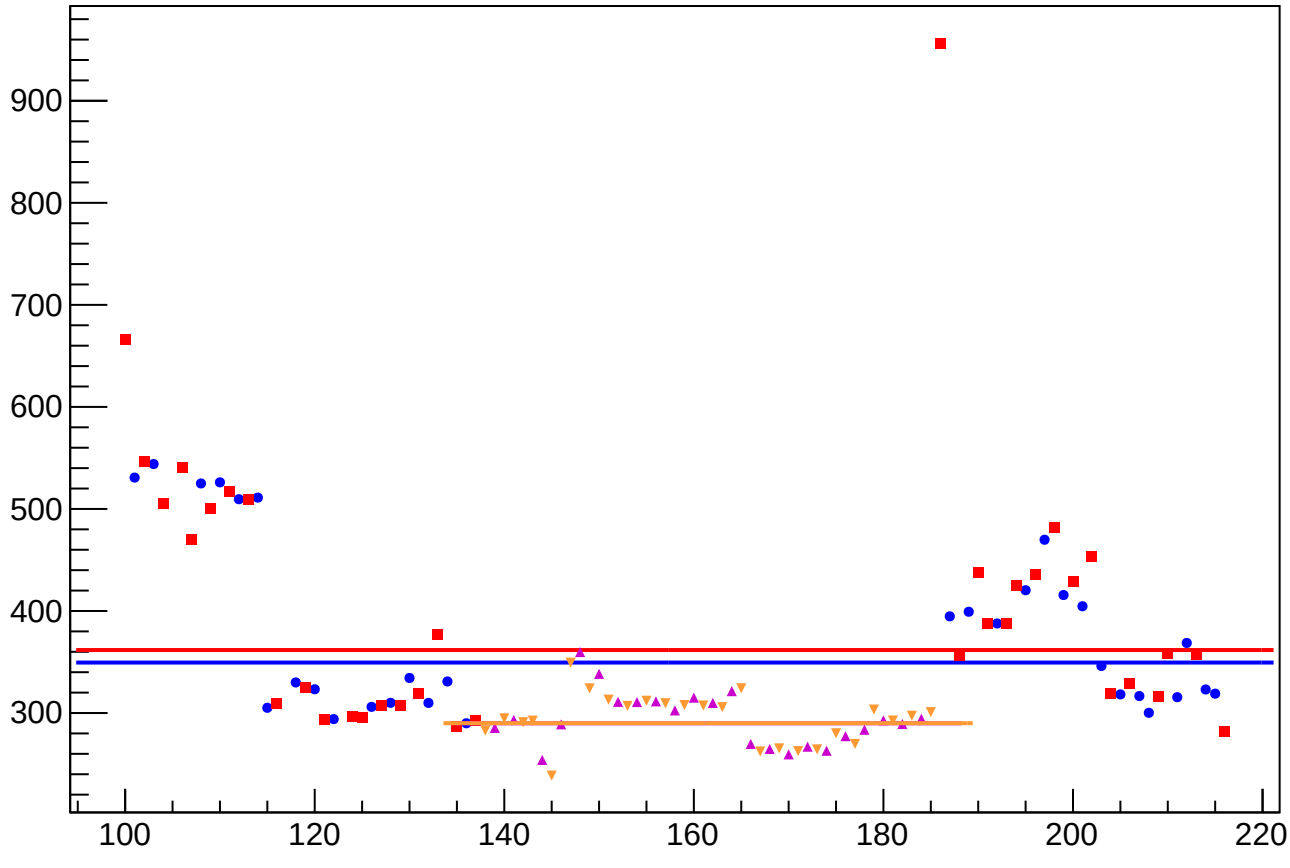
Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

Right: 30.642+/-58.257 χ^2/NDF: 70.6/65

In: -60.282+/-52.201 χ^2/NDF:53.6/53

Out: -150.132+/-51.894 χ^2/NDF:81.2/59

All: -105.472+/-36.803 χ^2/NDF: 136.3/113



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: 361.717+/-0.059 χ^2/NDF: 1727296.2/34

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

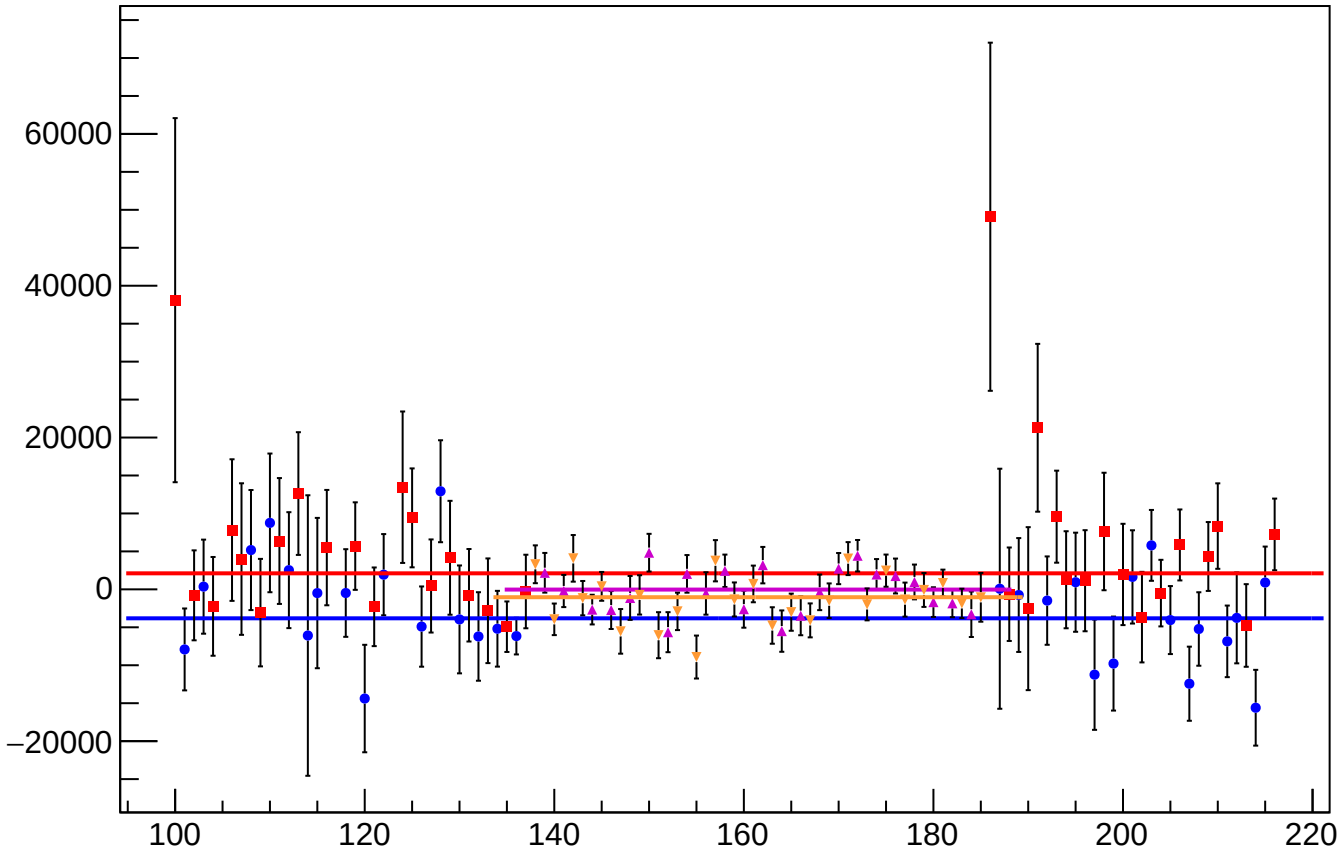
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 355.400+/-0.041 χ^2/NDF: 2925660.4/65

In: 314.544+/-0.037 χ^2/NDF:2076168.3/53

Out: 317.618+/-0.037 χ^2/NDF:2911714.6/59

All: 316.090+/-0.026 χ^2/NDF: 4991369.7/113



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: 2110.650+/-1047.262 χ^2/NDF: 31.1/34

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

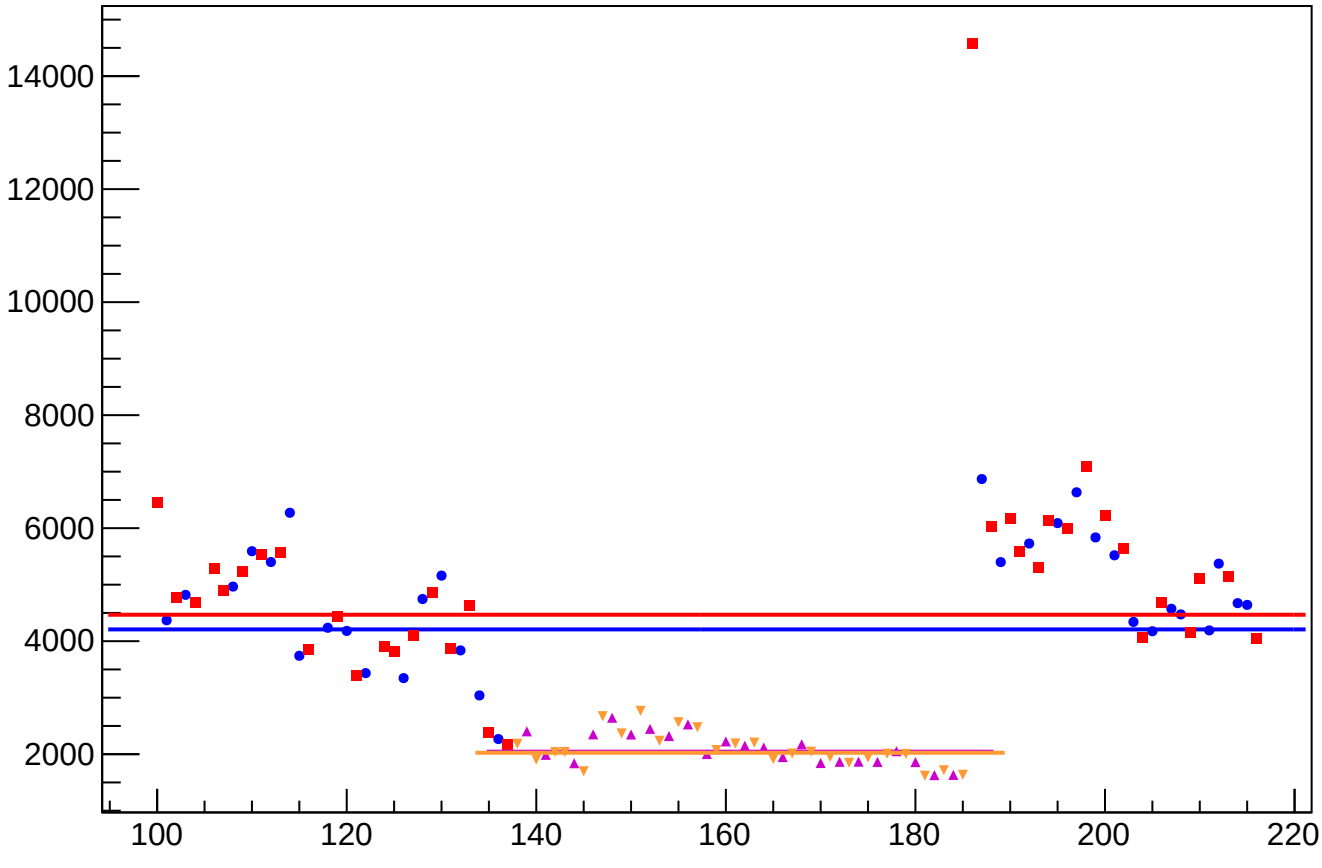
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -998.556+/-722.082 χ^2/NDF: 82.2/65

In: -748.332+/-434.149 χ^2/NDF:80.1/53

Out: -517.693+/-425.237 χ^2/NDF:78.9/59

All: -630.621+/-303.790 χ^2/NDF: 159.2/113



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: 4467.942+/-0.741 χ^2/NDF: 2943318.7/34

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

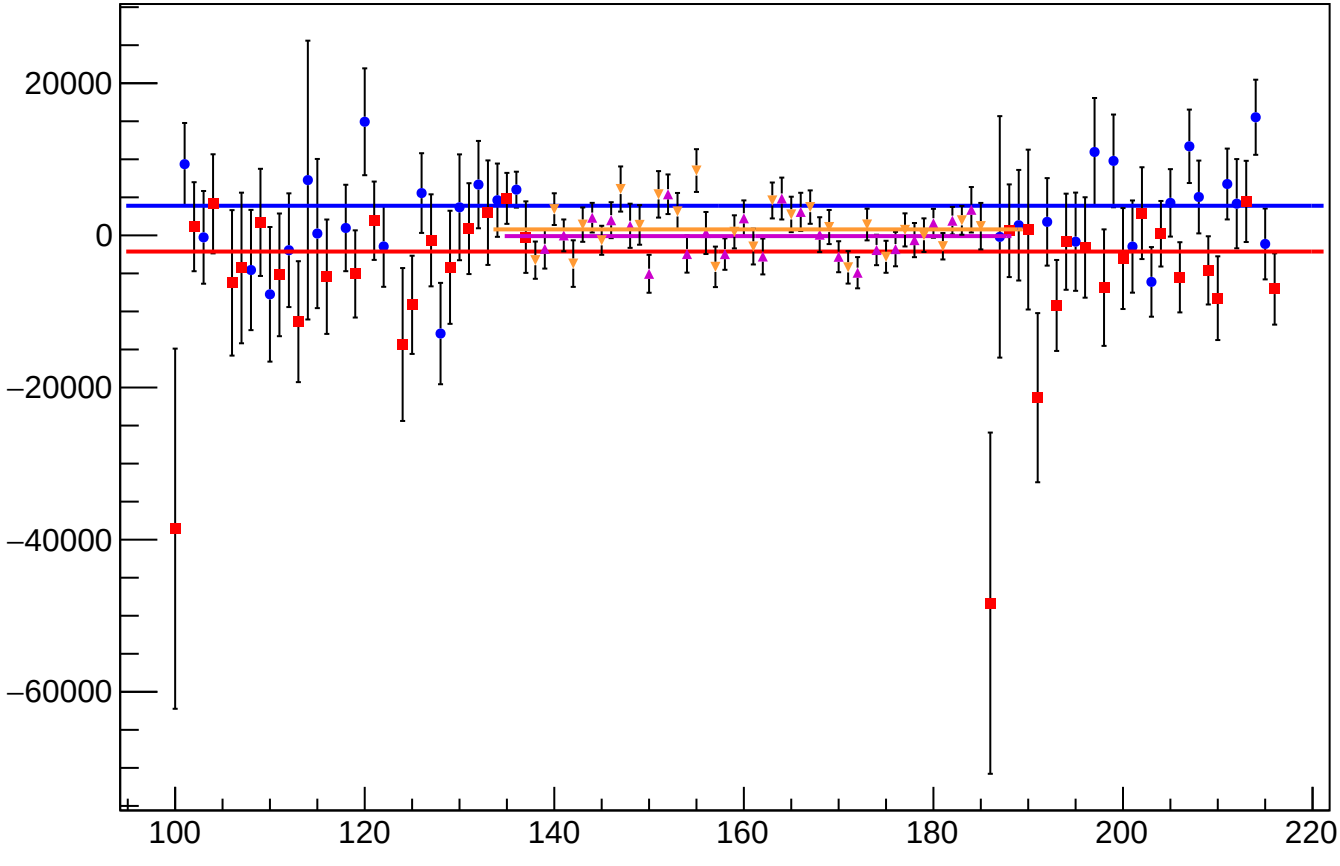
Right: 4331.755+/-0.511 χ^2/NDF: 5711739.6/65

In: 2454.868+/-0.307 χ^2/NDF:10923739.5/53

Out: 2427.848+/-0.301 χ^2/NDF:12732120.2/59

All: 2441.078+/-0.215 χ^2/NDF: 23659813.4/1

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: -2126.126+/-1037.258 χ^2/NDF: 29.9/34

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

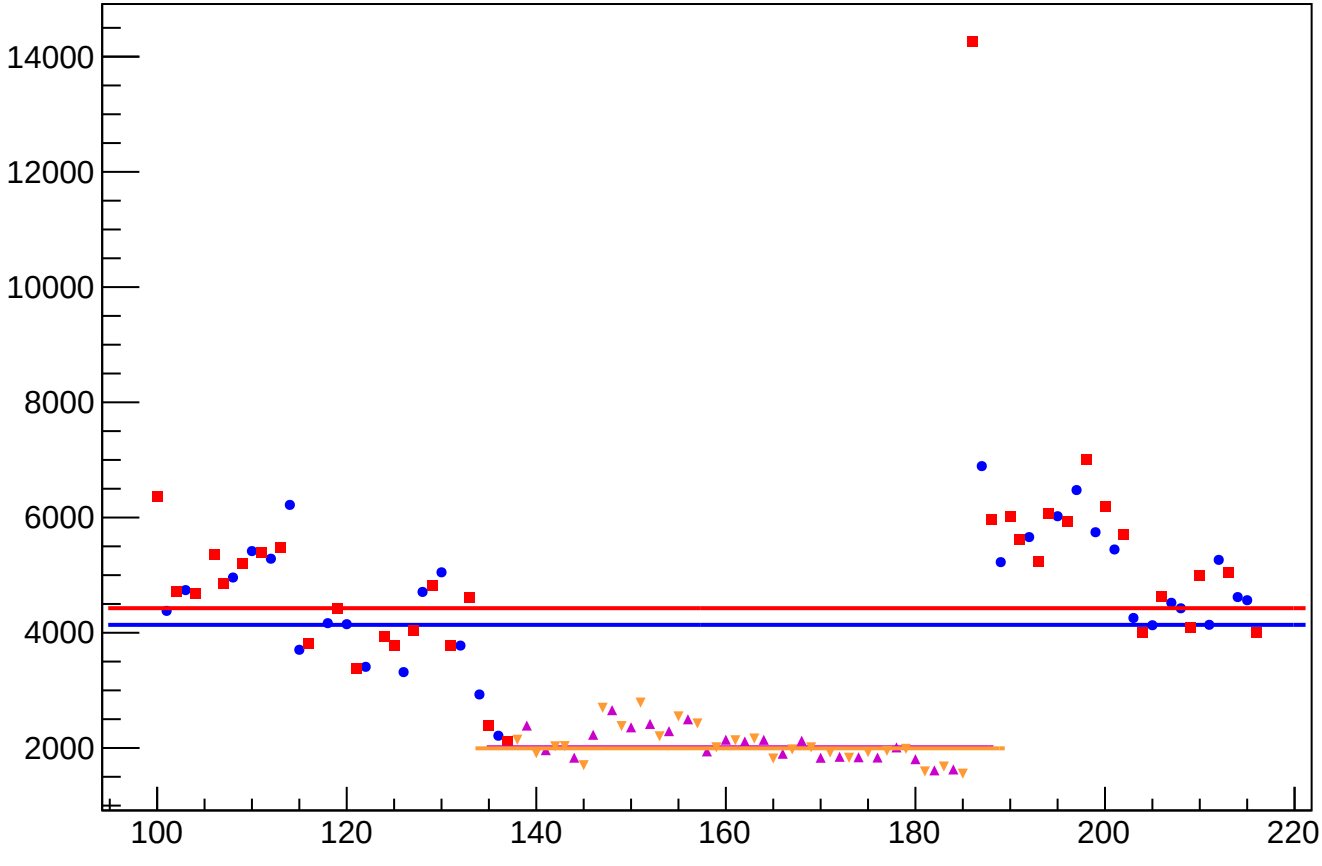
Right: 1050.968+/-712.761 χ^2/NDF: 82.2/65

In: 660.502+/-427.400 χ^2/NDF:80.8/53

Out: 311.551+/-419.530 χ^2/NDF:77.8/59

All: 482.784+/-299.396 χ^2/NDF: 158.9/113

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: 4426.712+/-0.733 χ^2/NDF: 2925413.1/34

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

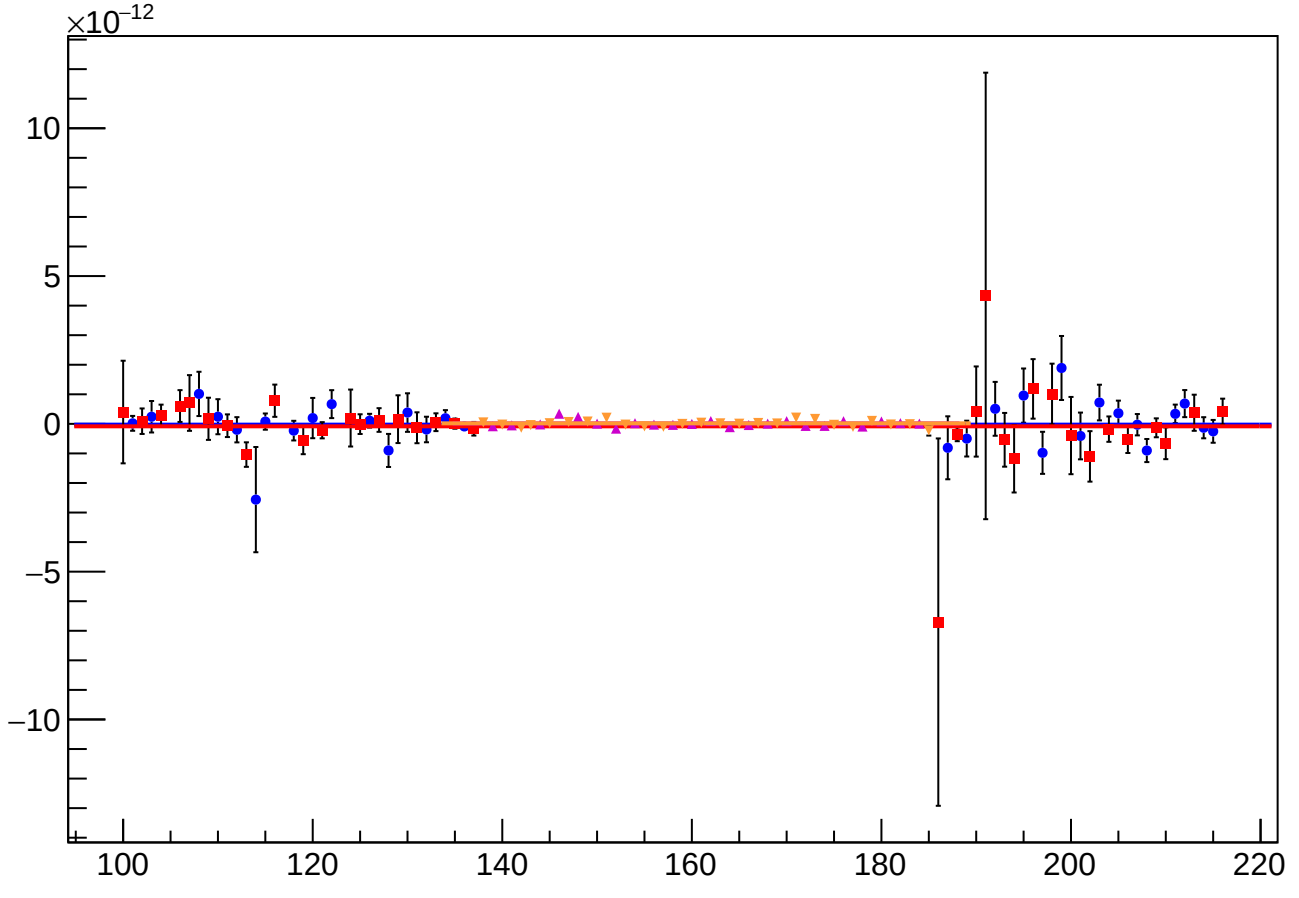
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4273.932+/-0.504 χ^2/NDF: 5767201.9/65

In: 2415.900+/-0.302 χ^2/NDF:10945938.7/53

Out: 2392.169+/-0.297 χ^2/NDF:12871531.9/59

All: 2403.814+/-0.212 χ^2/NDF: 23820610.9/1



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: 26.2/34

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

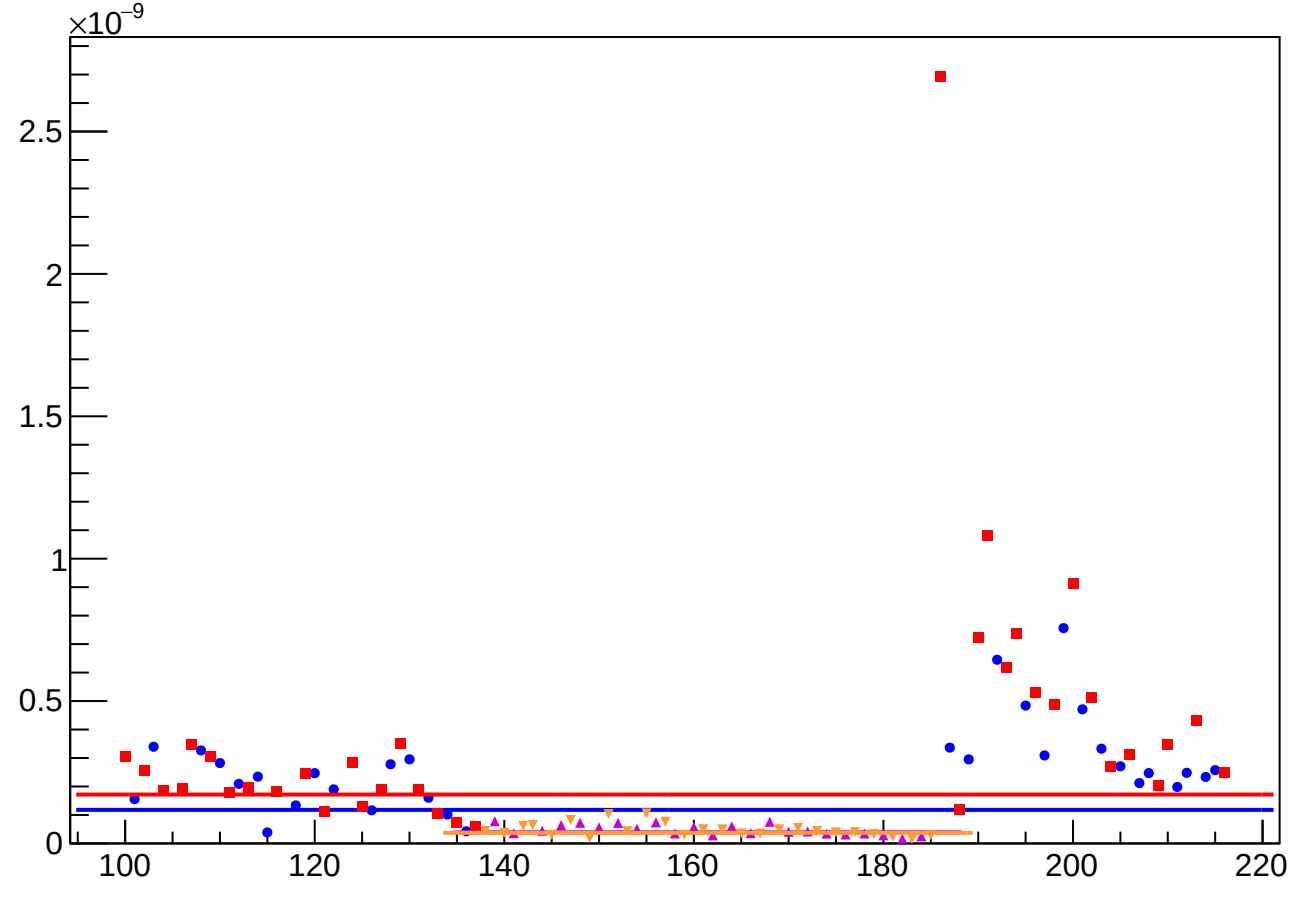
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 57.9/65

In: 0.000+/-0.000 χ^2/NDF:62.5/53

Out: 0.000+/-0.000 χ^2/NDF:49.3/59

All: 0.000+/-0.000 χ^2/NDF: 111.8/113



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: 5820243.3/34

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

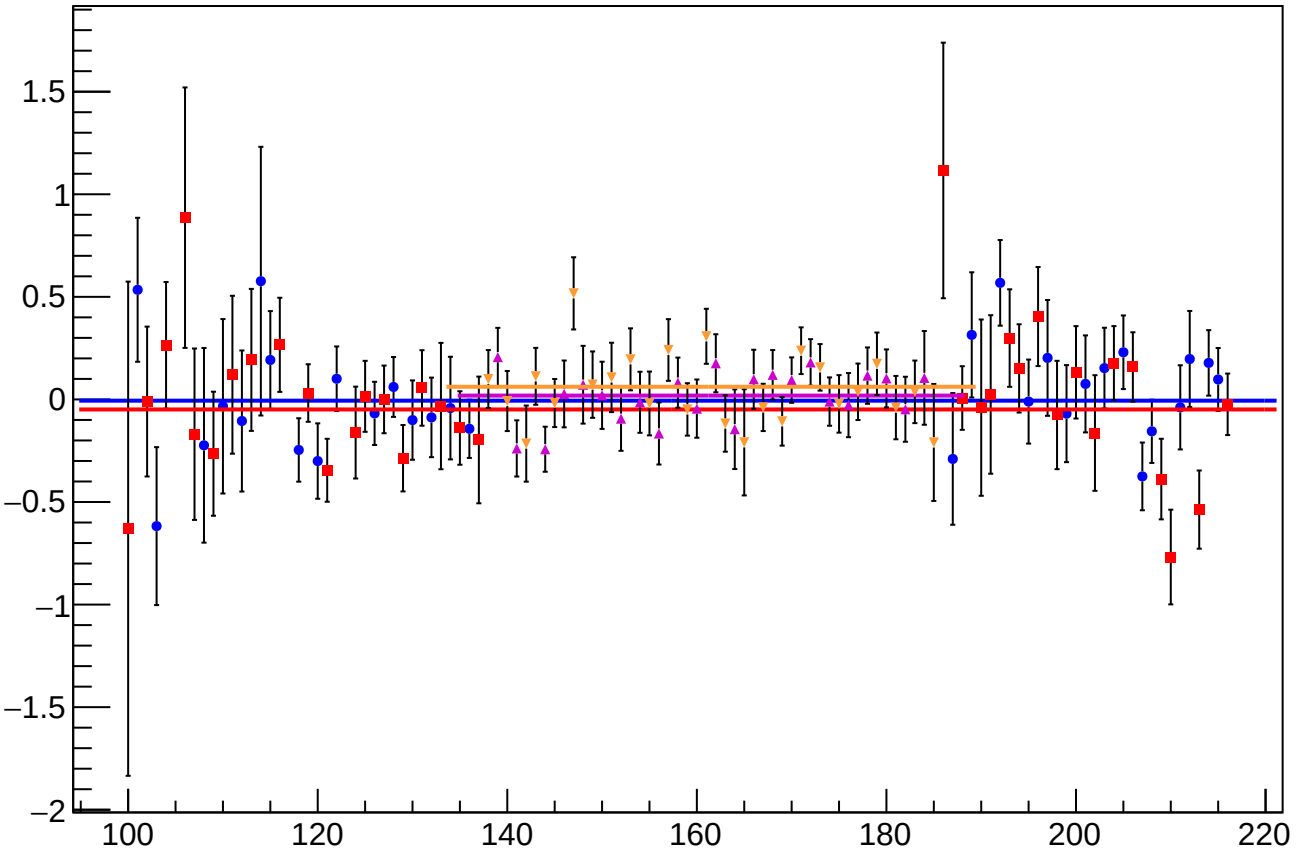
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14009018.8/65

In: 0.000+/-0.000 χ^2/NDF:13216358.5/53

Out: 0.000+/-0.000 χ^2/NDF:14885373.1/59

All: 0.000+/-0.000 χ^2/NDF: 28127034.3/113



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: -0.049+/-0.037 χ^2/NDF: 47.5/34

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

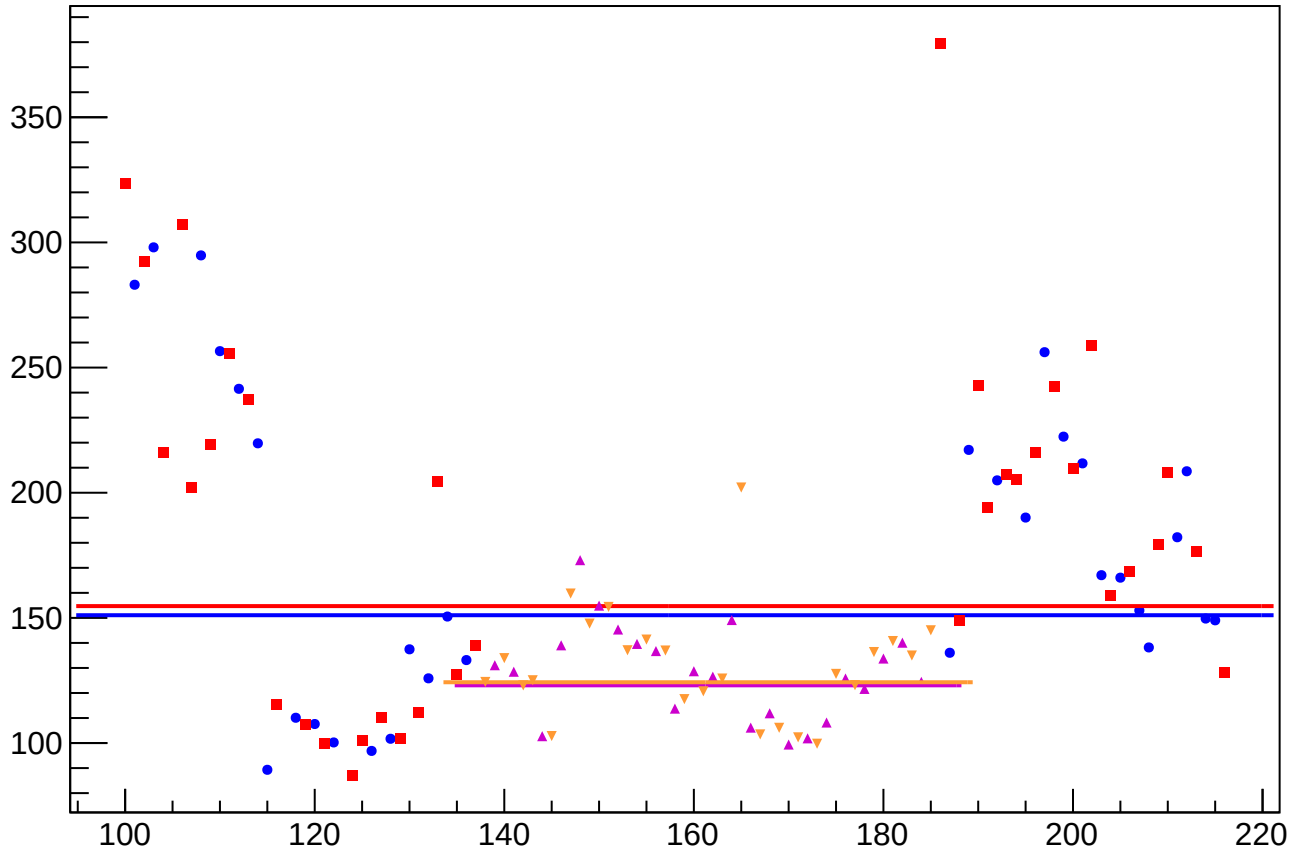
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.026 χ^2/NDF: 83.1/65

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.021+/-0.023 χ^2/NDF:80.4/59

All: 0.015+/-0.016 χ^2/NDF: 136.1/113



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: 154.712+/-0.026 χ^2/NDF: 3931166.6/34

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

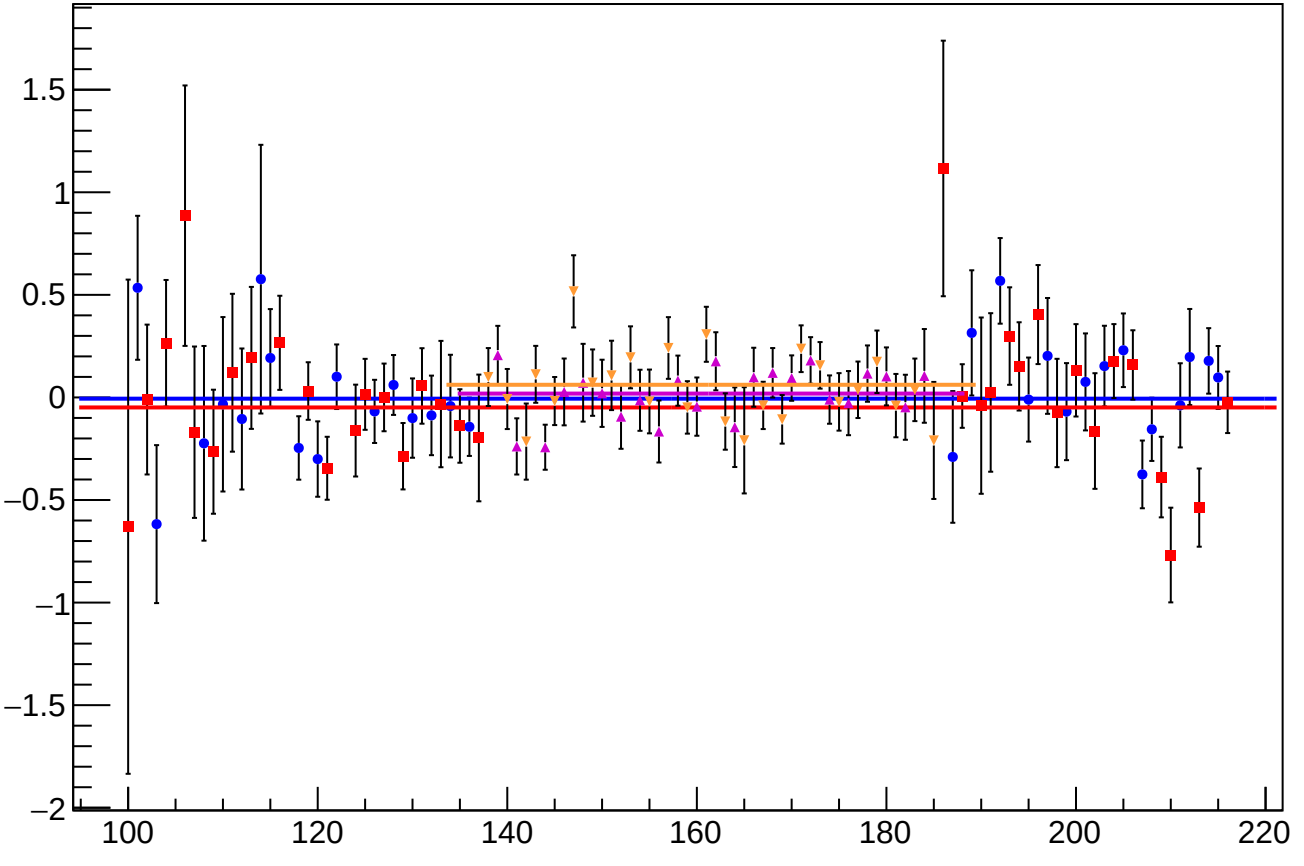
Right: 152.852+/-0.018 χ^2/NDF: 7233433.5/65

In: 134.029+/-0.016 χ^2/NDF:4725530.8/53

Out: 135.581+/-0.016 χ^2/NDF:5607039.9/59

All: 134.809+/-0.011 χ^2/NDF: 10337194.1/11

asym_sam2_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: -0.049+/-0.037 χ^2/NDF: 47.5/34

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

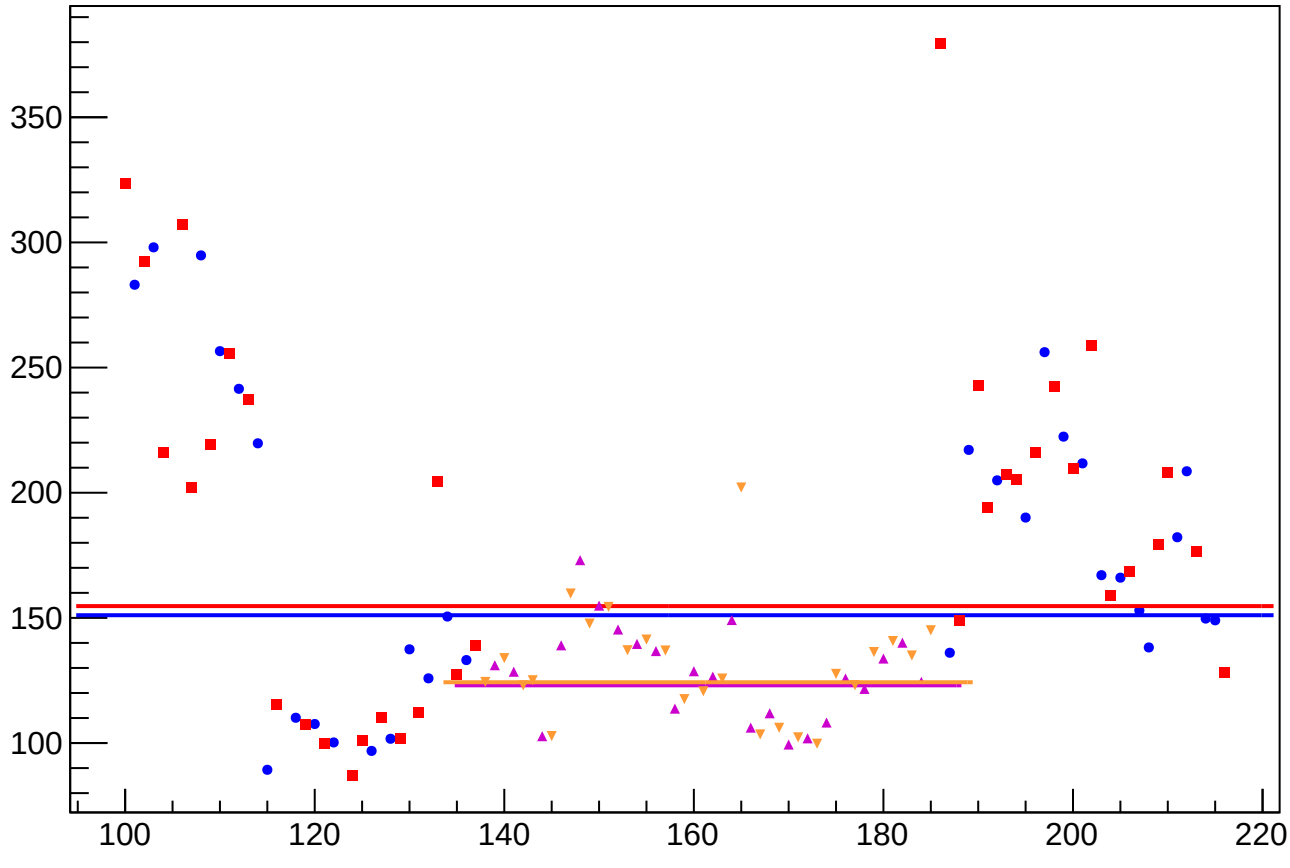
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.026 χ^2/NDF: 83.1/65

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.021+/-0.023 χ^2/NDF:80.4/59

All: 0.015+/-0.016 χ^2/NDF: 136.1/113



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: 154.712+/-0.026 χ^2/NDF: 3931166.6/34

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

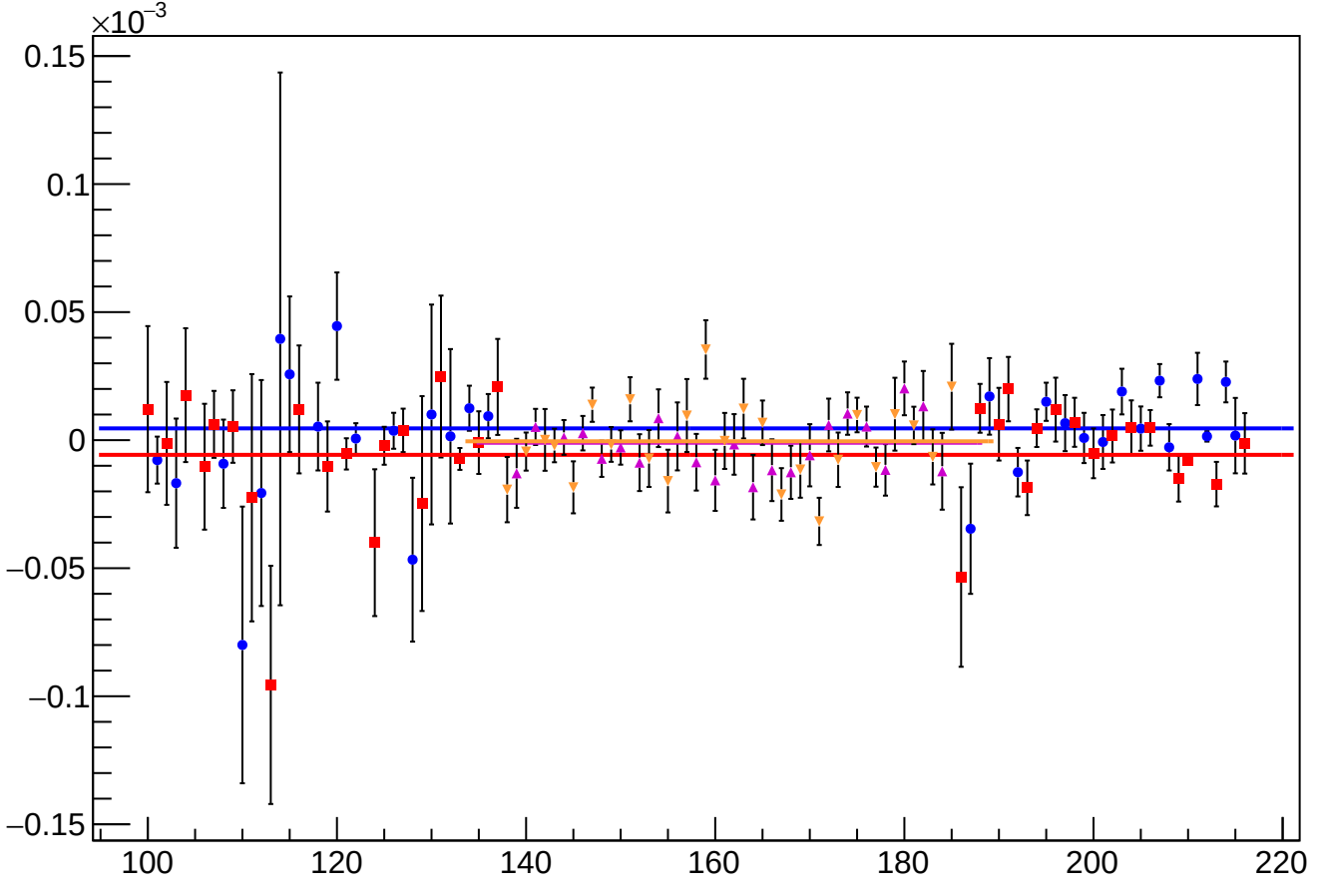
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 152.852+/-0.018 χ^2/NDF: 7233433.5/65

In: 134.029+/-0.016 χ^2/NDF:4725530.8/53

Out: 135.581+/-0.016 χ^2/NDF:5607039.9/59

All: 134.809+/-0.011 χ^2/NDF: 10337194.1/11



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: 40.4/34

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

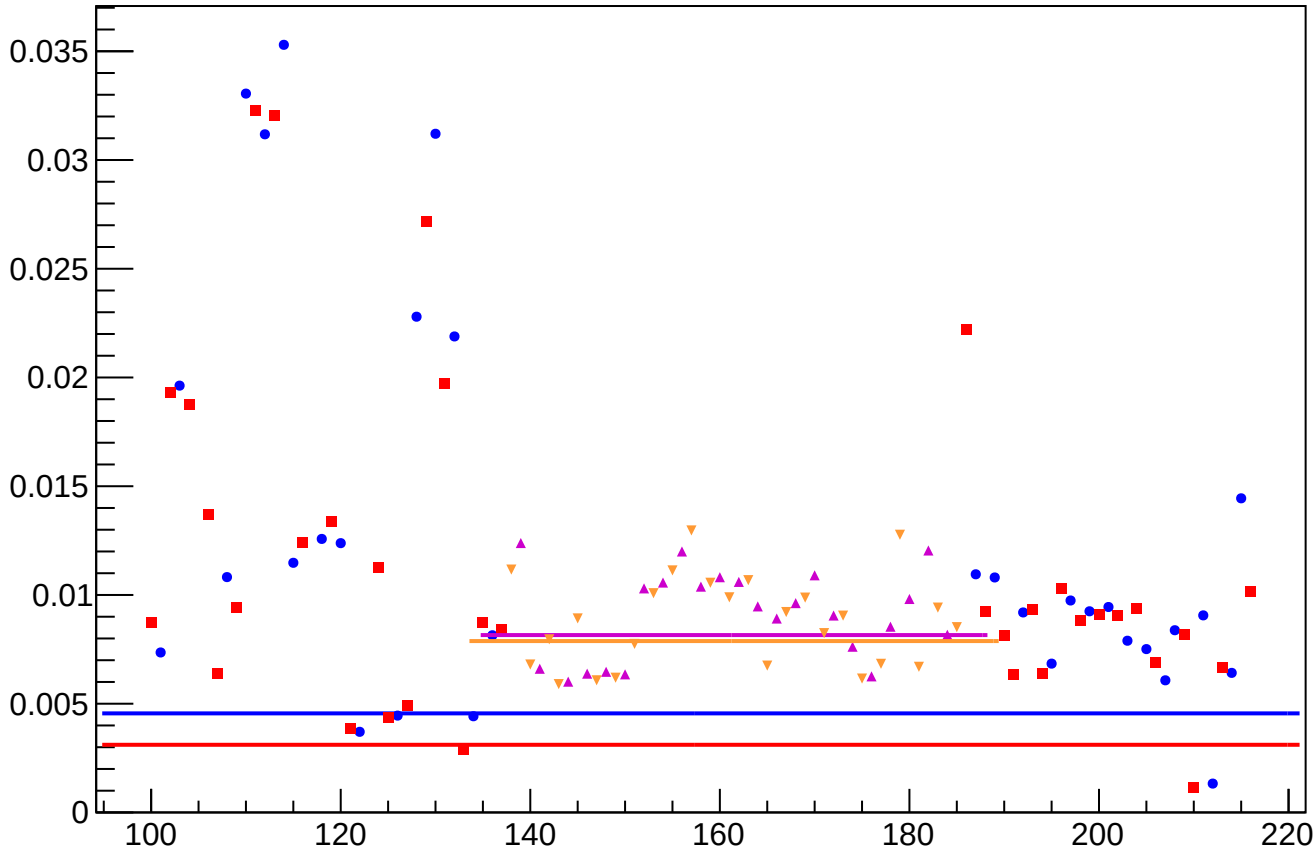
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 119.8/65

In: 0.000+/-0.000 χ^2/NDF:70.9/53

Out: -0.000+/-0.000 χ^2/NDF:98.9/59

All: -0.000+/-0.000 χ^2/NDF: 192.9/113



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: 20186908.7/34

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

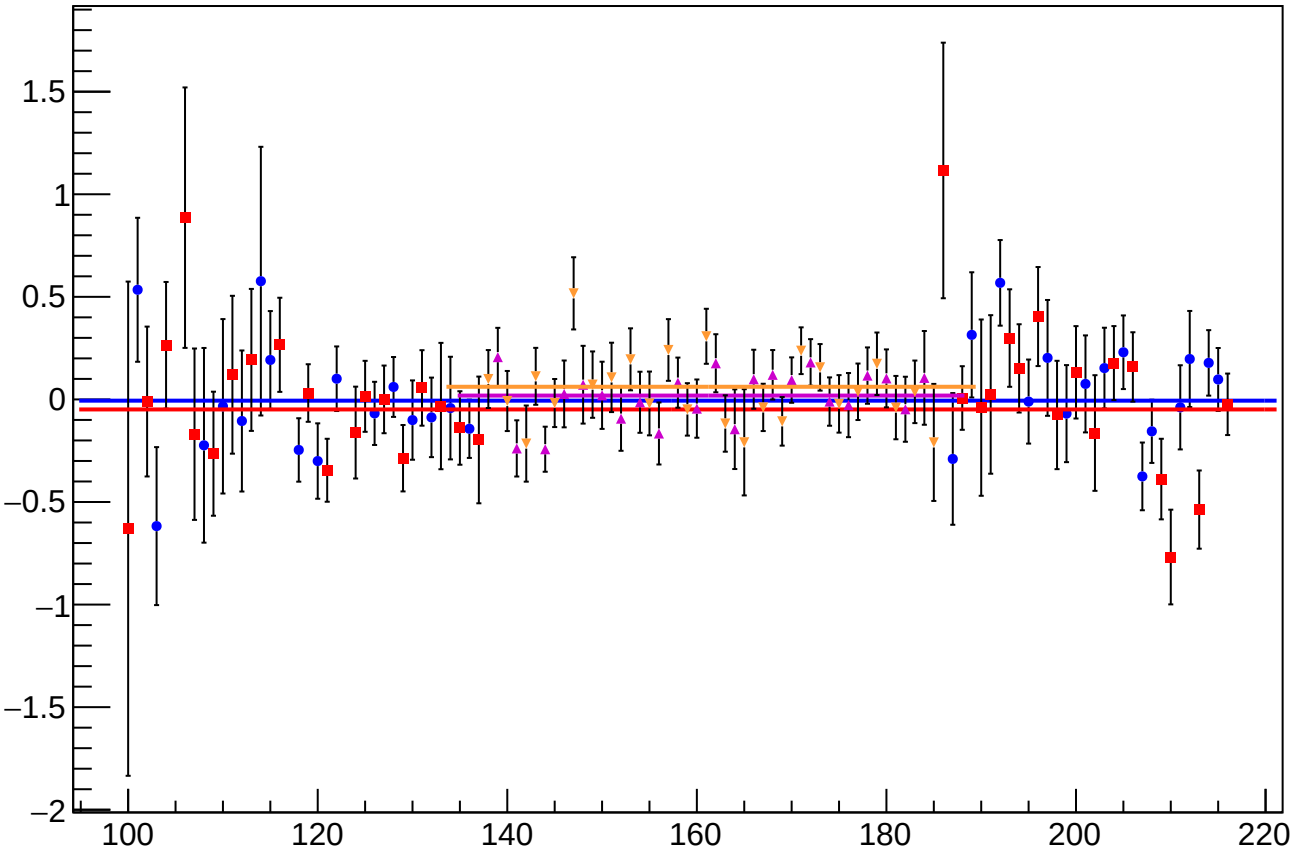
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.004+/-0.000 χ^2/NDF: 37141999.0/65

In: 0.006+/-0.000 χ^2/NDF:22009551.1/53

Out: 0.004+/-0.000 χ^2/NDF:32187411.0/59

All: 0.005+/-0.000 χ^2/NDF: 56156457.1/113



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: -0.049+/-0.037 χ^2/NDF: 47.5/34

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

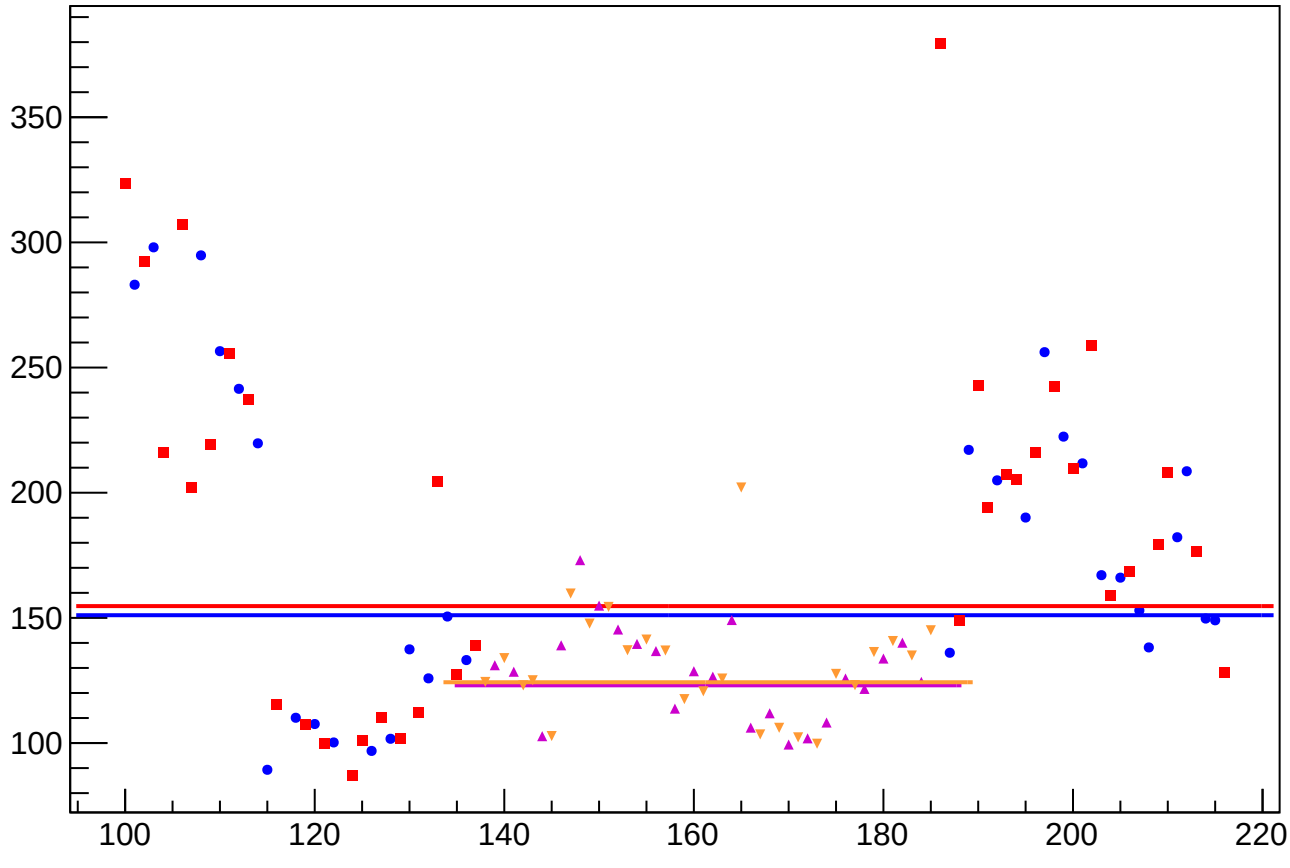
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.026 χ^2/NDF: 83.1/65

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.021+/-0.023 χ^2/NDF:80.4/59

All: 0.015+/-0.016 χ^2/NDF: 136.1/113



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: 154.710+/-0.026 χ^2/NDF: 3931289.3/34

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

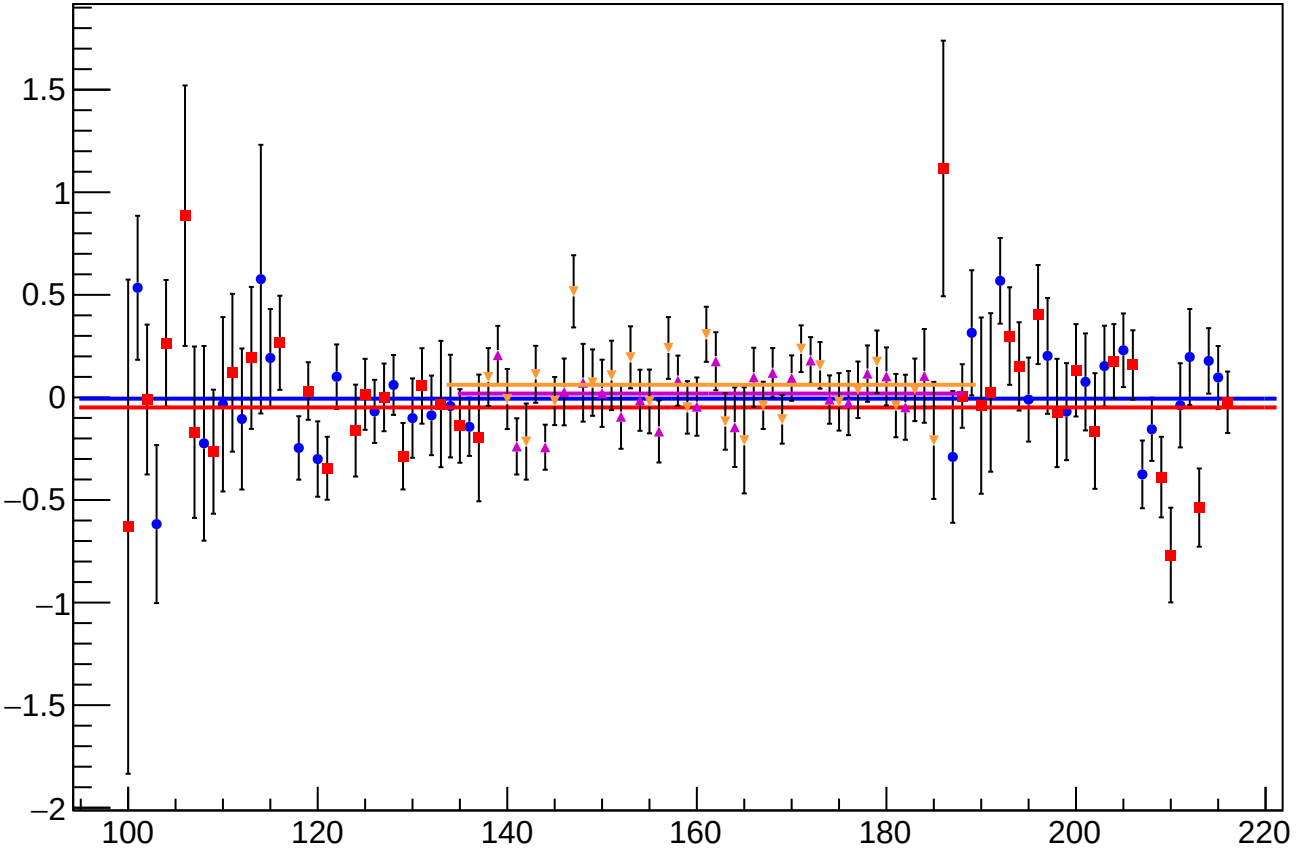
Right: 152.850+/-0.018 χ^2/NDF: 7233633.4/65

In: 134.029+/-0.016 χ^2/NDF:4725549.9/53

Out: 135.580+/-0.016 χ^2/NDF:5607121.6/59

All: 134.809+/-0.011 χ^2/NDF: 10337295.7/11

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: -0.049+/-0.037 χ^2/NDF: 47.5/34

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

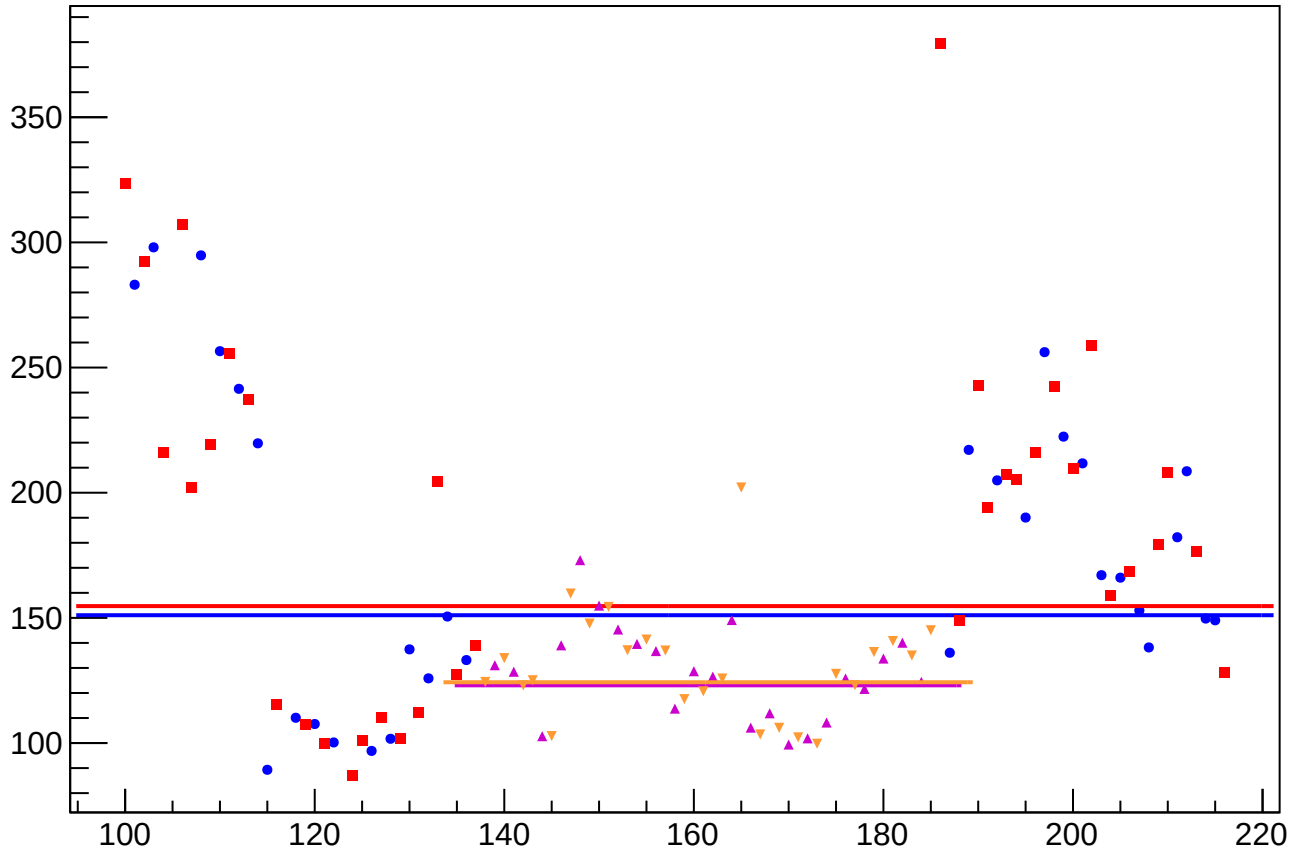
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.027+/-0.026 χ^2/NDF: 83.1/65

In: 0.009+/-0.023 χ^2/NDF:55.5/53

Out: 0.021+/-0.023 χ^2/NDF:80.4/59

All: 0.015+/-0.016 χ^2/NDF: 136.1/113



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: 154.710+/-0.026 χ^2/NDF: 3931289.3/34

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

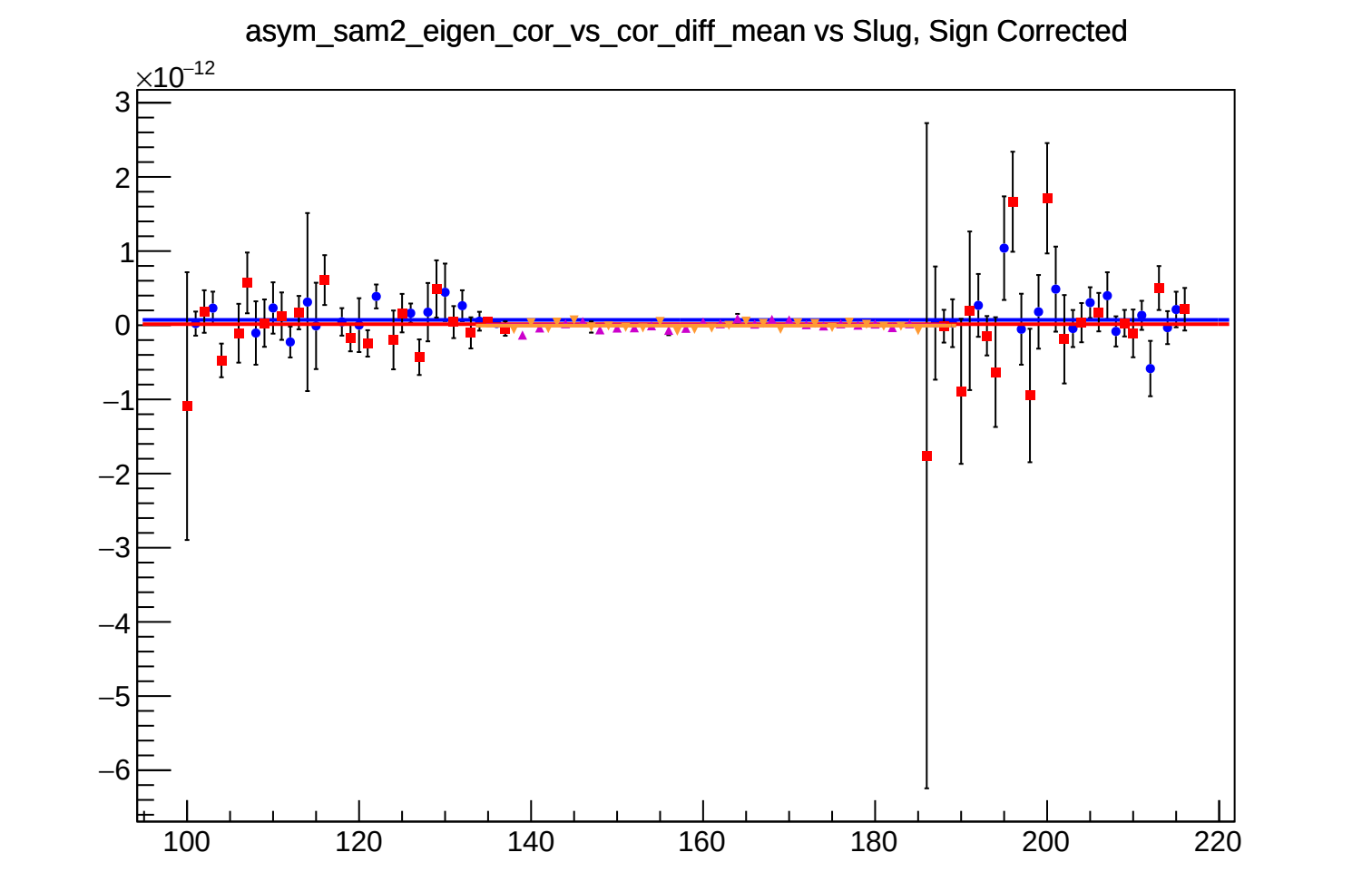
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 152.850+/-0.018 χ^2/NDF: 7233633.4/65

In: 134.029+/-0.016 χ^2/NDF:4725549.9/53

Out: 135.580+/-0.016 χ^2/NDF:5607121.6/59

All: 134.809+/-0.011 χ^2/NDF: 10337295.7/11



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: 39.2/34

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: -0.000+/-0.000 χ^2/NDF: 49.3/47

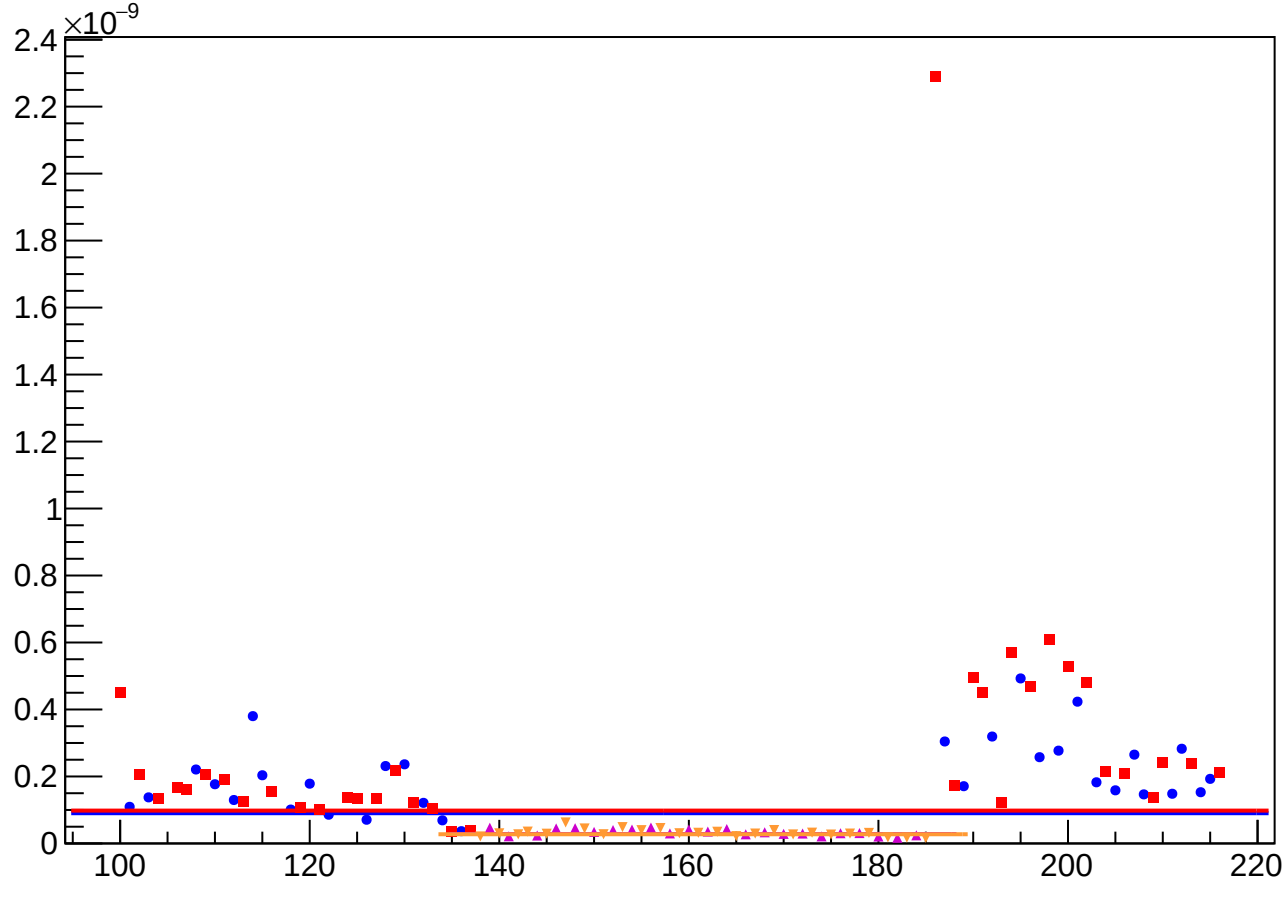
Right: 0.000+/-0.000 χ^2/NDF: 60.7/65

In: 0.000+/-0.000 χ^2/NDF:49.3/53

Out: -0.000+/-0.000 χ^2/NDF:64.0/59

All: 0.000+/-0.000 χ^2/NDF: 113.8/113

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: 11256630.3/34

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

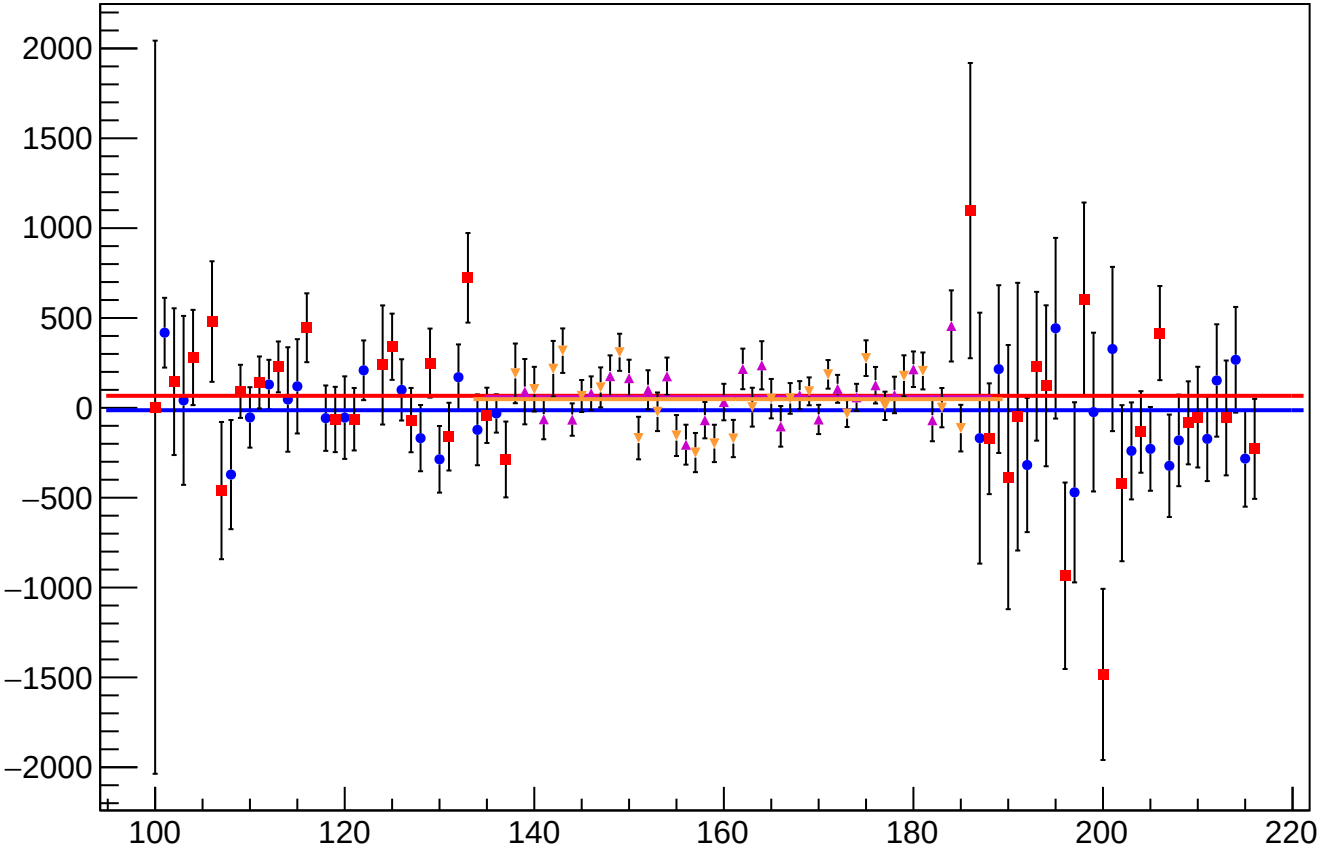
Right: 0.000+/-0.000 χ^2/NDF: 20544017.4/65

In: 0.000+/-0.000 χ^2/NDF:18231859.2/53

Out: 0.000+/-0.000 χ^2/NDF:21110589.8/59

All: 0.000+/-0.000 χ^2/NDF: 39365977.4/113

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: 66.927+/-40.563 χ^2/NDF: 50.1/34

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

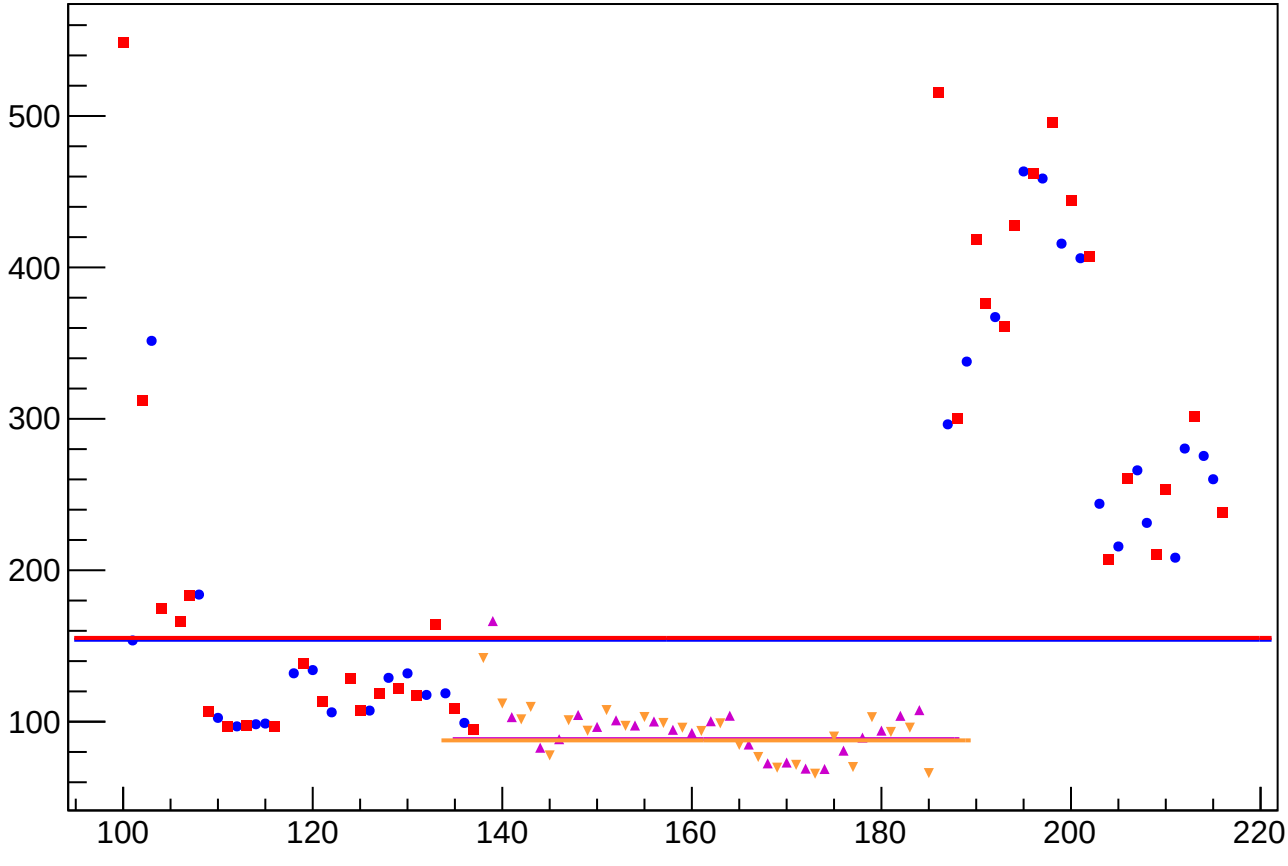
Right: 26.314+/-28.492 χ^2/NDF: 75.4/65

In: 43.238+/-18.704 χ^2/NDF:56.5/53

Out: 52.141+/-18.241 χ^2/NDF:103.8/59

All: 47.801+/-13.059 χ^2/NDF: 160.4/113

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: 155.325+/-0.029 χ^2/NDF: 9090852.7/34

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

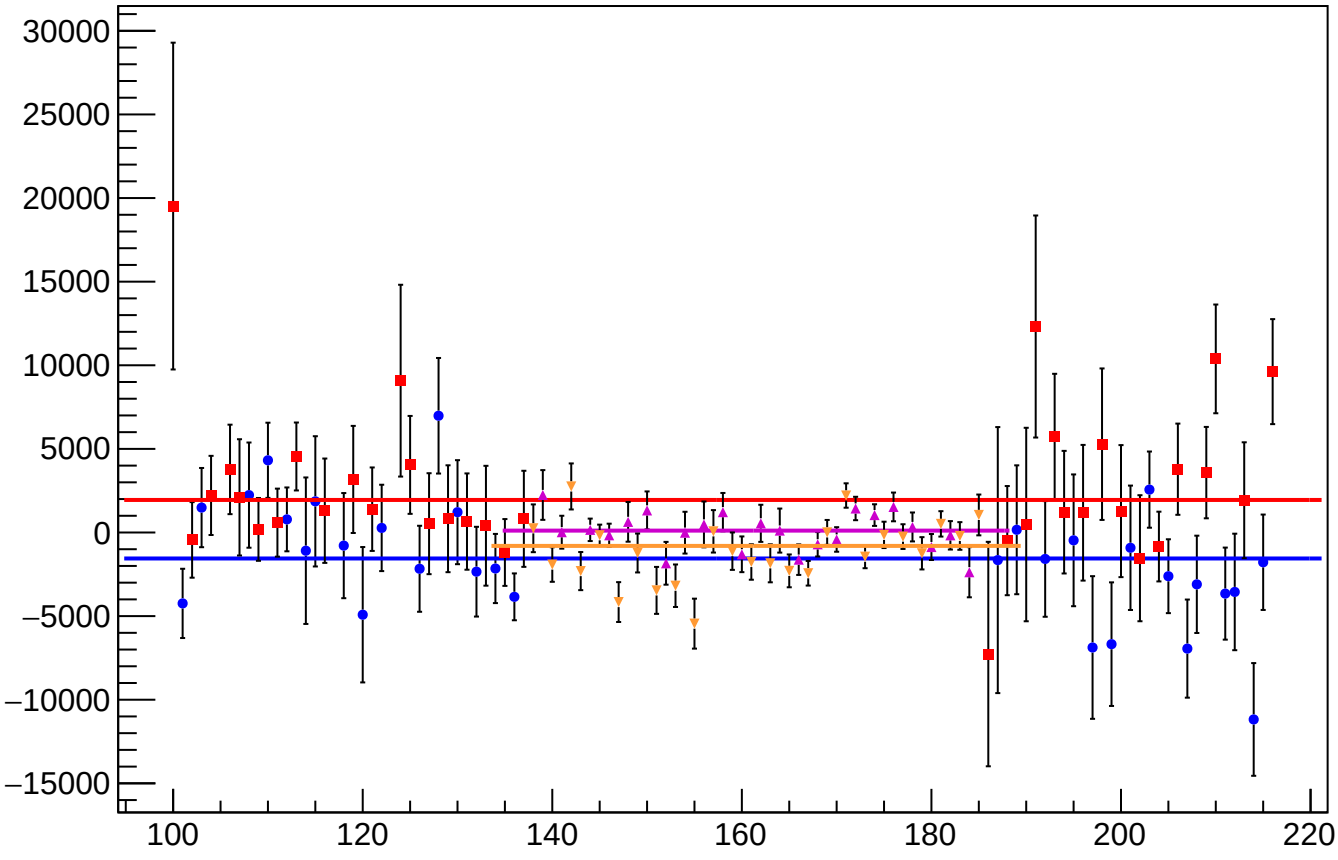
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 154.708+/-0.020 χ^2/NDF: 17052878.2/65

In: 102.811+/-0.013 χ^2/NDF:13238600.7/53

Out: 101.341+/-0.013 χ^2/NDF:14744528.4/59

All: 102.057+/-0.009 χ^2/NDF: 27989463.3/1



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: 1946.135+/-500.228 χ^2/NDF: 36.2/34

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

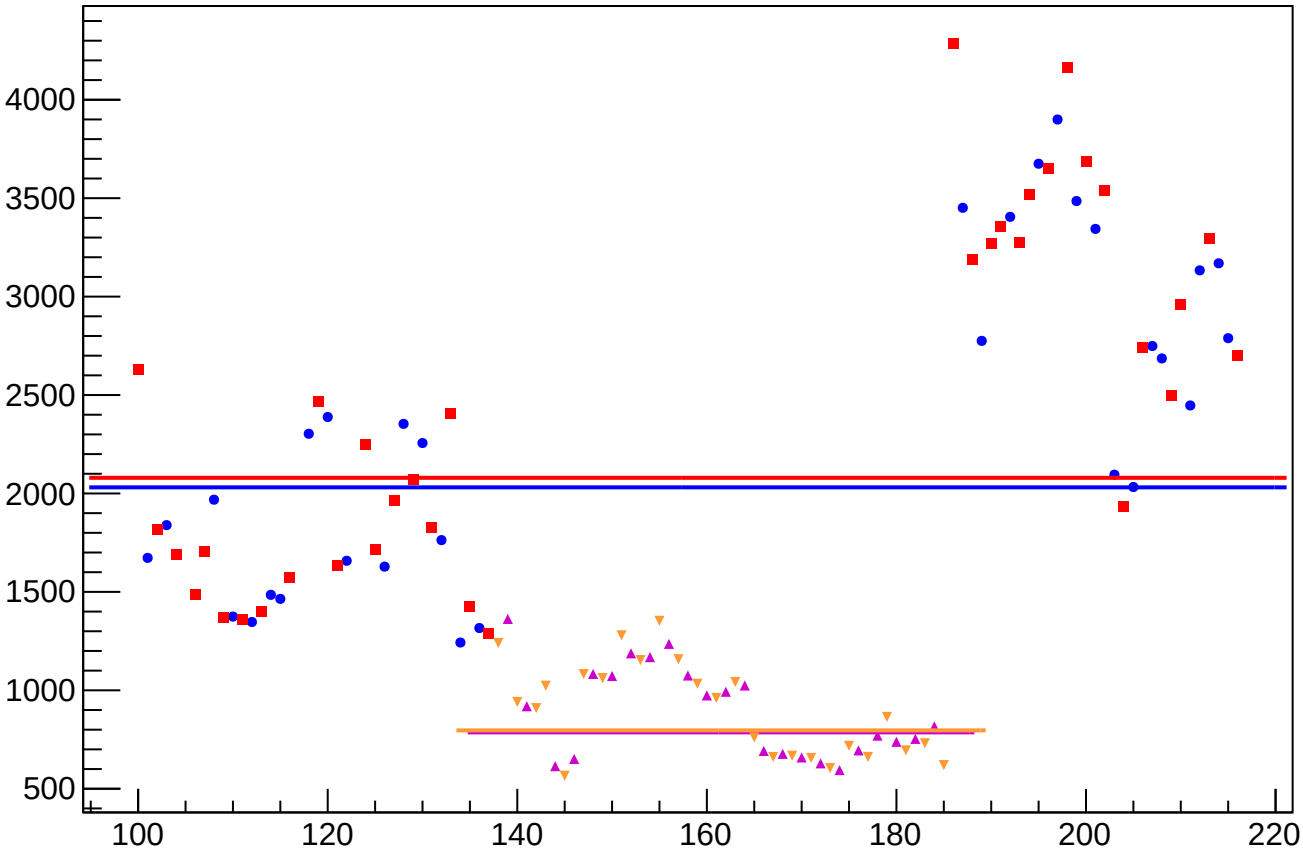
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 168.491+/-350.919 χ^2/NDF: 106.0/65

In: -104.015+/-177.481 χ^2/NDF:82.0/53

Out: -462.219+/-175.781 χ^2/NDF:134.6/59

All: -284.840+/-124.893 χ^2/NDF: 218.6/113



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: 2079.580+/-0.354 χ^2/NDF: 4668459.1/34

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

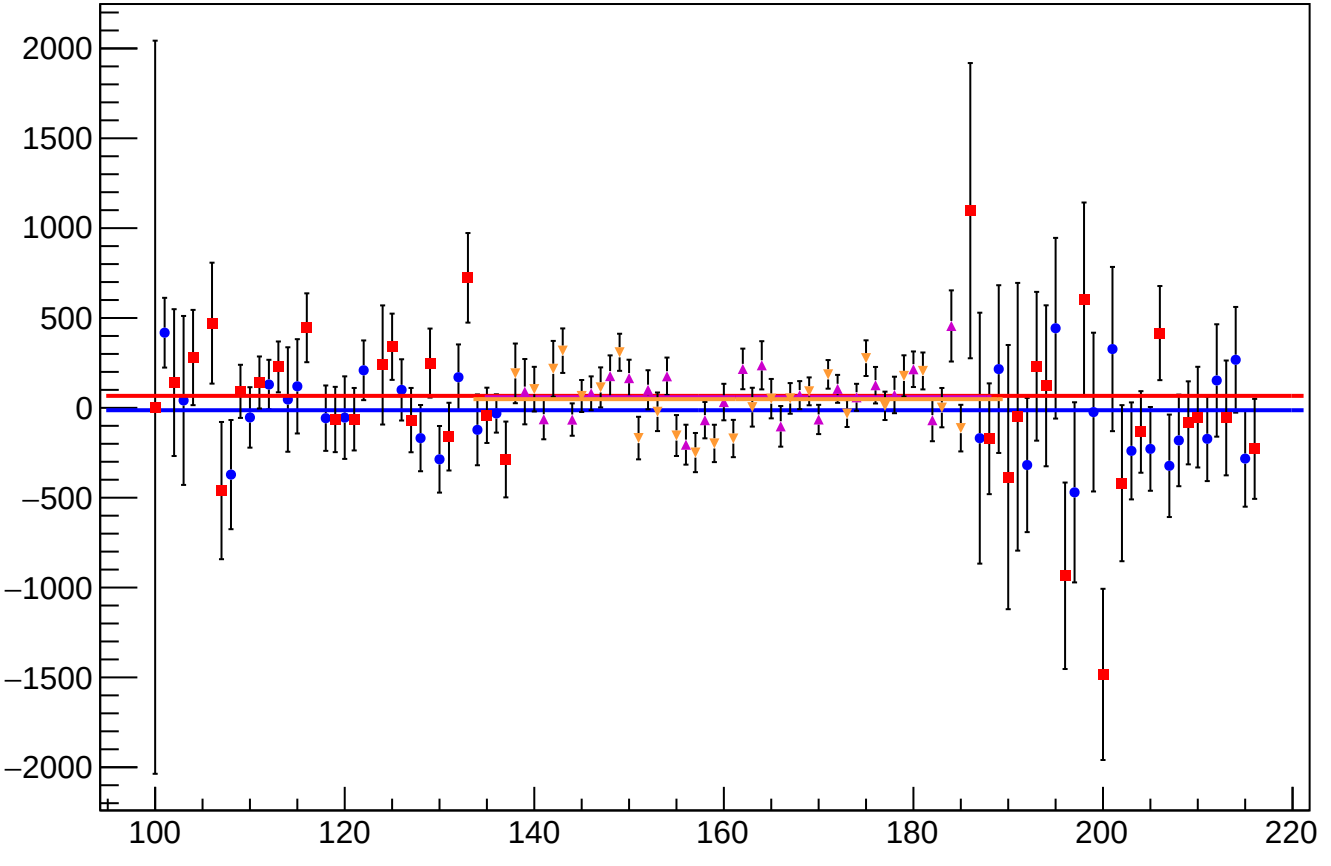
Right: 2054.923+/-0.248 χ^2/NDF: 8815491.2/65

In: 948.034+/-0.125 χ^2/NDF:17412892.6/53

Out: 954.959+/-0.124 χ^2/NDF:18619403.1/59

All: 951.530+/-0.088 χ^2/NDF: 36033833.0/1

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: 66.704+/-40.565 χ^2/NDF: 50.0/34

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

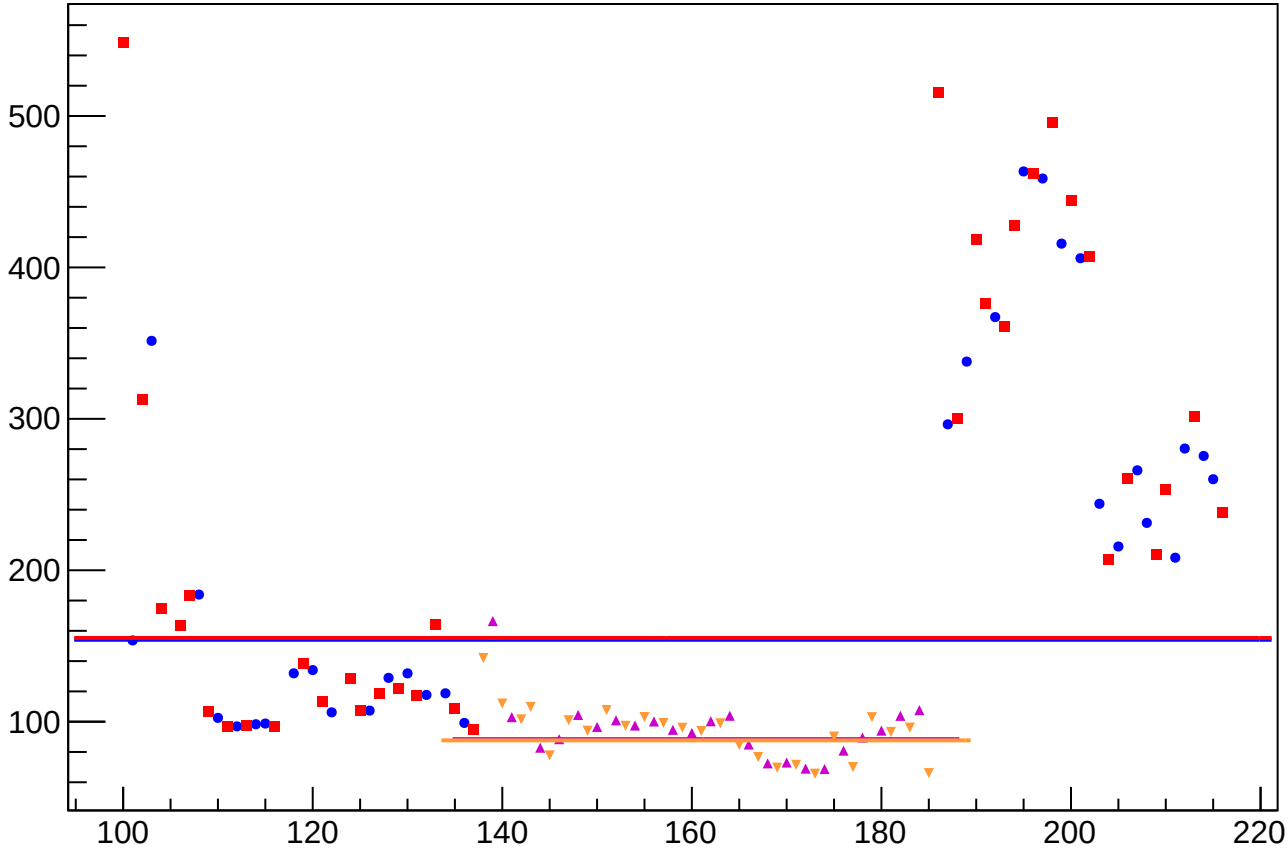
Right: 26.195+/-28.493 χ^2/NDF: 75.3/65

In: 43.237+/-18.704 χ^2/NDF:56.5/53

Out: 52.101+/-18.242 χ^2/NDF:103.7/59

All: 47.780+/-13.059 χ^2/NDF: 160.3/113

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: 155.288+/-0.029 χ^2/NDF: 9090162.2/34

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

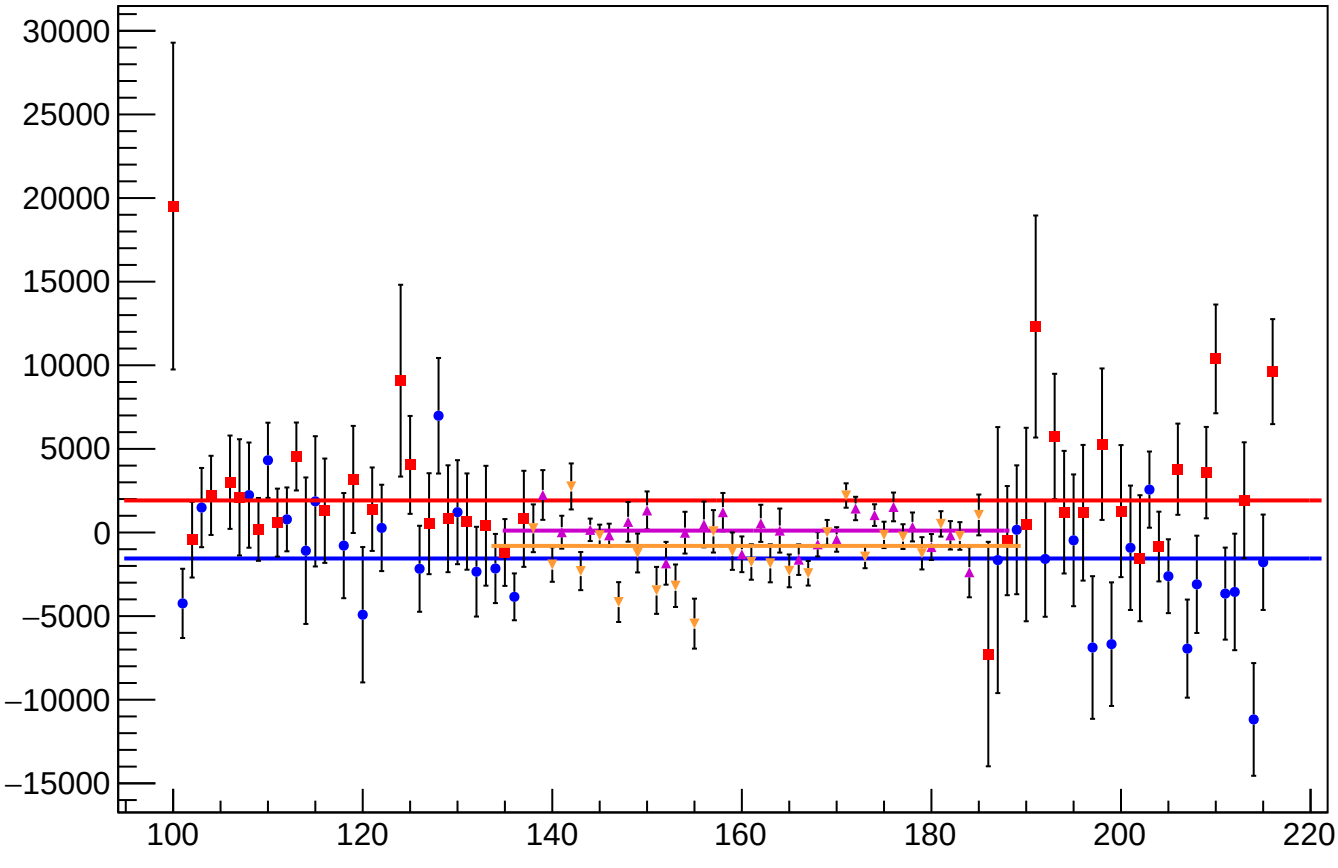
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 154.690+/-0.020 χ^2/NDF: 17052135.8/65

In: 102.811+/-0.013 χ^2/NDF:13238602.5/53

Out: 101.332+/-0.013 χ^2/NDF:14738652.3/59

All: 102.053+/-0.009 χ^2/NDF: 27983662.9/1



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: 1917.243+/-500.959 χ^2/NDF: 35.9/34

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

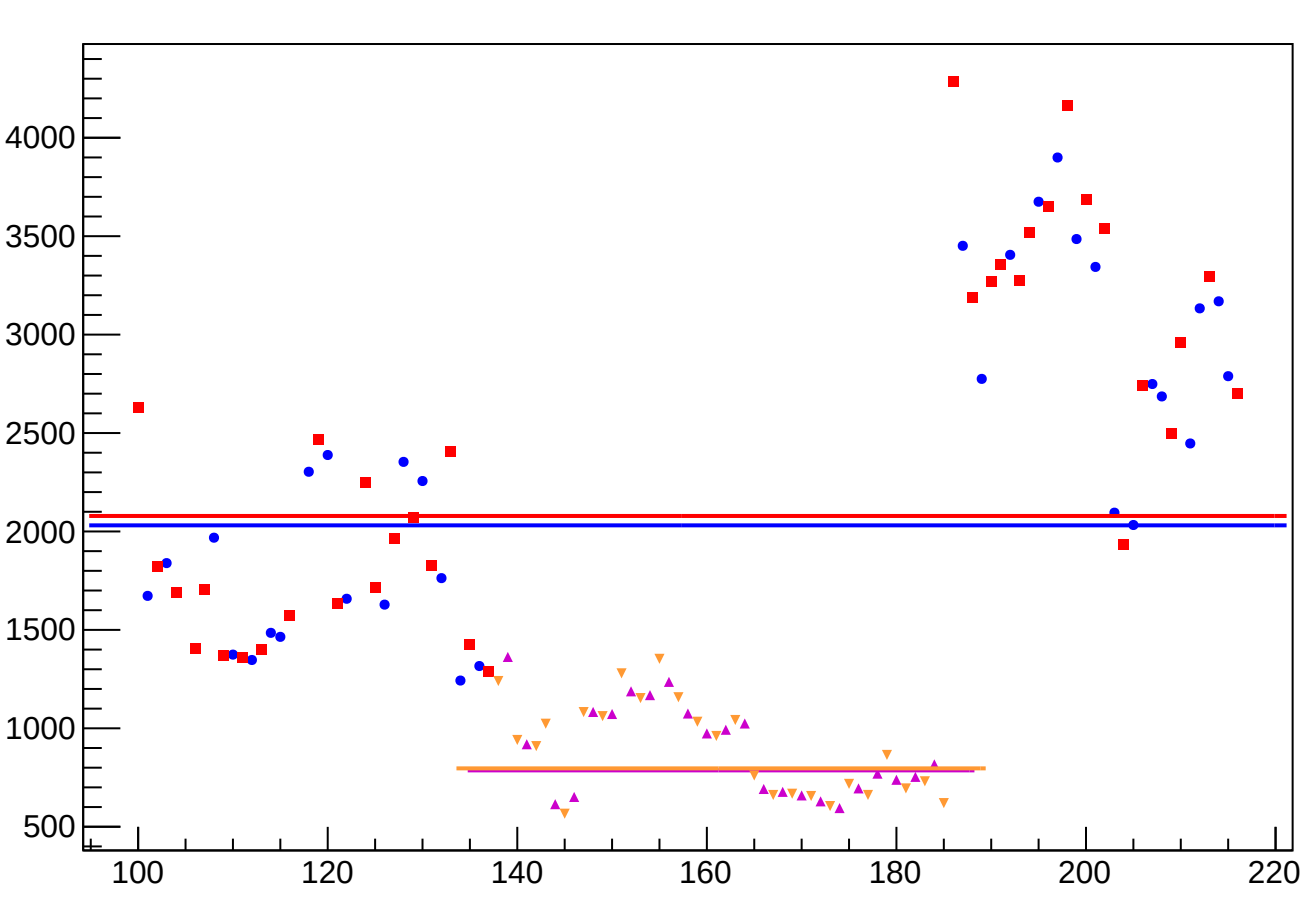
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 151.751+/-351.172 χ^2/NDF: 105.3/65

In: -104.012+/-177.481 χ^2/NDF:82.0/53

Out: -466.638+/-175.813 χ^2/NDF:133.6/59

All: -287.037+/-124.904 χ^2/NDF: 217.7/113



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: 2078.743+/-0.354 χ^2/NDF: 4686524.5/34

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

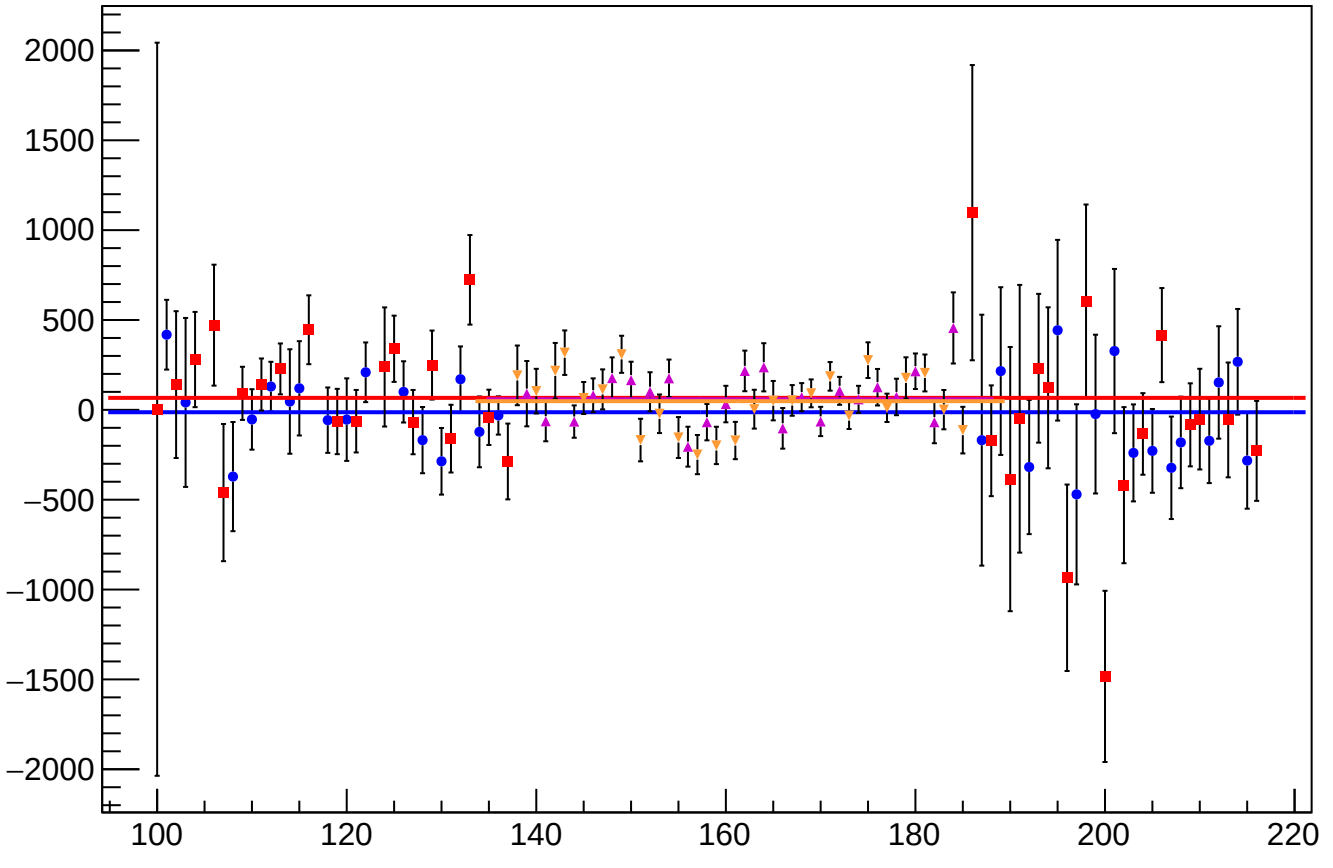
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 2054.482+/-0.248 χ^2/NDF: 8833187.8/65

In: 948.034+/-0.125 χ^2/NDF:17412949.6/53

Out: 954.451+/-0.124 χ^2/NDF:18592999.5/59

All: 951.273+/-0.088 χ^2/NDF: 36007269.0/1



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: 66.704+/-40.565 χ^2/NDF: 50.0/34

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

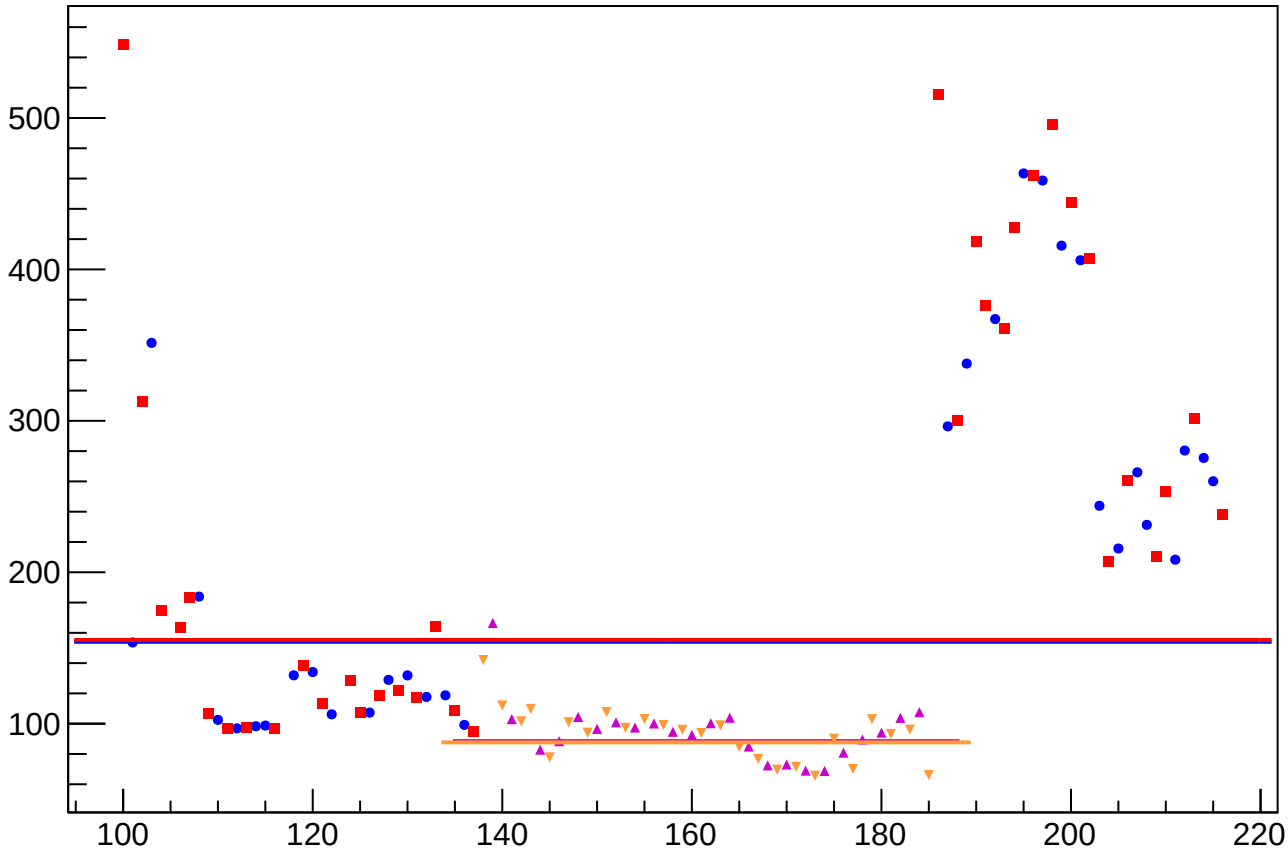
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 26.195+/-28.493 χ^2/NDF: 75.3/65

In: 43.237+/-18.704 χ^2/NDF:56.5/53

Out: 52.101+/-18.242 χ^2/NDF:103.7/59

All: 47.780+/-13.059 χ^2/NDF: 160.3/113



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: 155.288+/-0.029 χ^2/NDF: 9090162.2/34

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

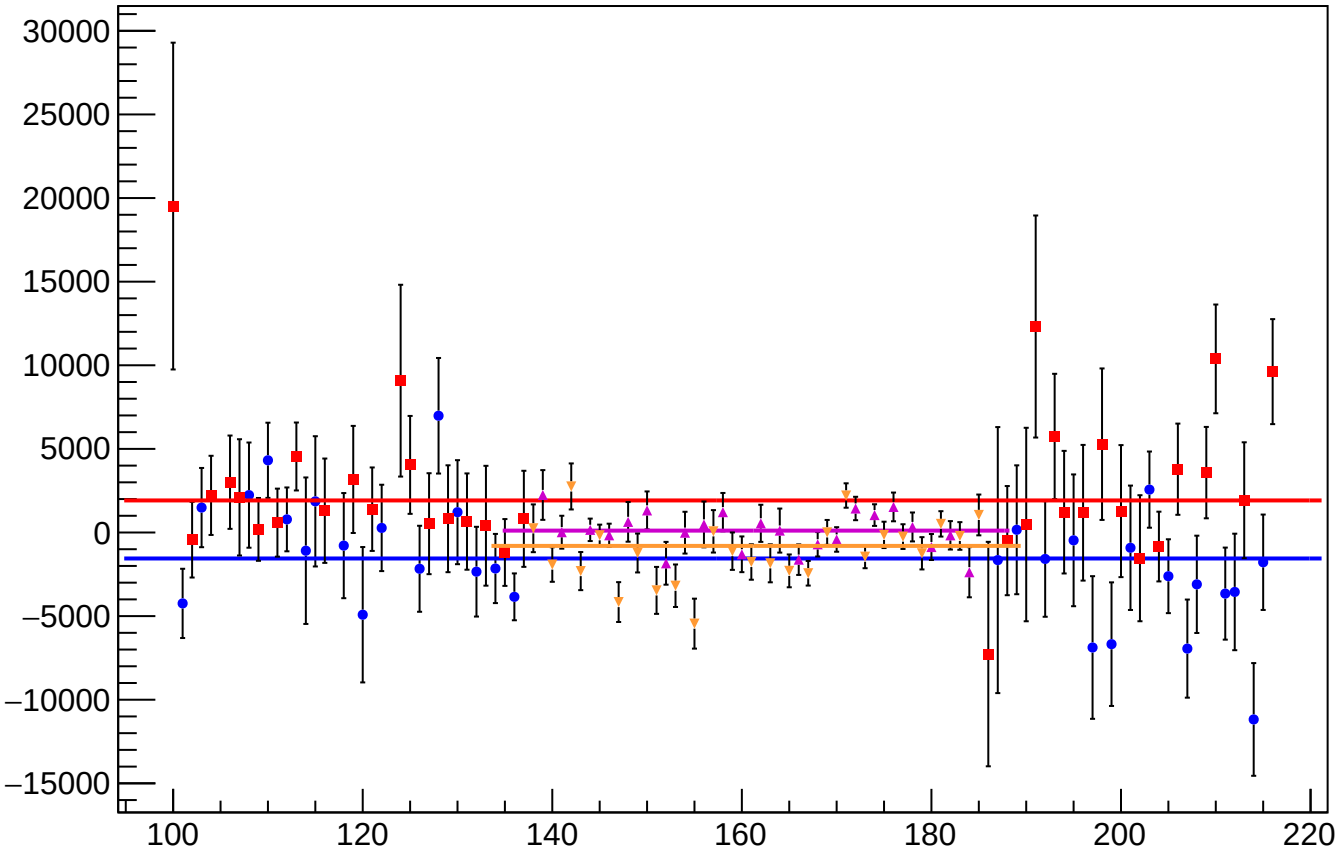
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 154.690+/-0.020 χ^2/NDF: 17052135.8/65

In: 102.811+/-0.013 χ^2/NDF:13238602.5/53

Out: 101.332+/-0.013 χ^2/NDF:14738652.3/59

All: 102.053+/-0.009 χ^2/NDF: 27983662.9/1



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: 1917.243+/-500.959 χ^2/NDF: 35.9/34

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

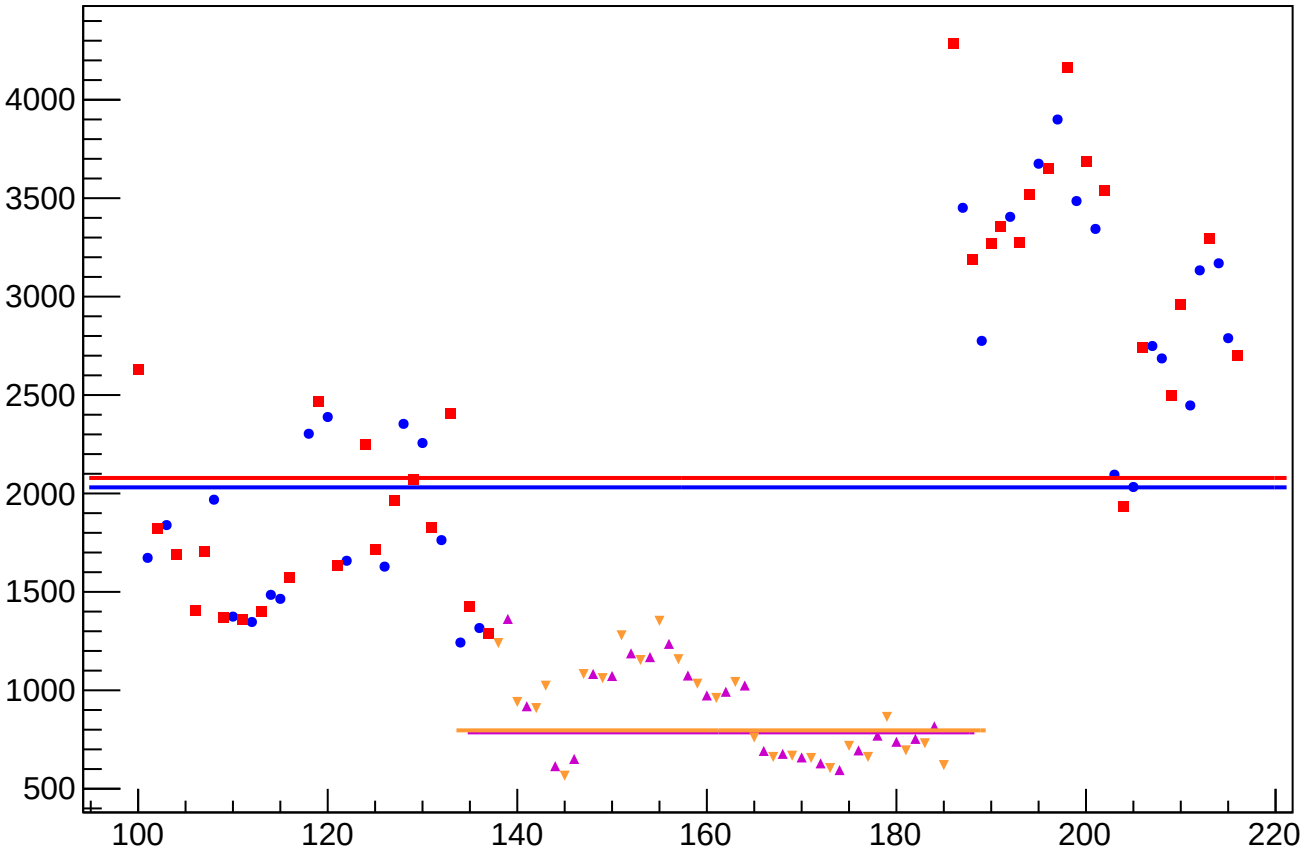
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 151.751+/-351.172 χ^2/NDF: 105.3/65

In: -104.012+/-177.481 χ^2/NDF:82.0/53

Out: -466.638+/-175.813 χ^2/NDF:133.6/59

All: -287.037+/-124.904 χ^2/NDF: 217.7/113



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: 2078.743+/-0.354 χ^2/NDF: 4686524.5/34

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

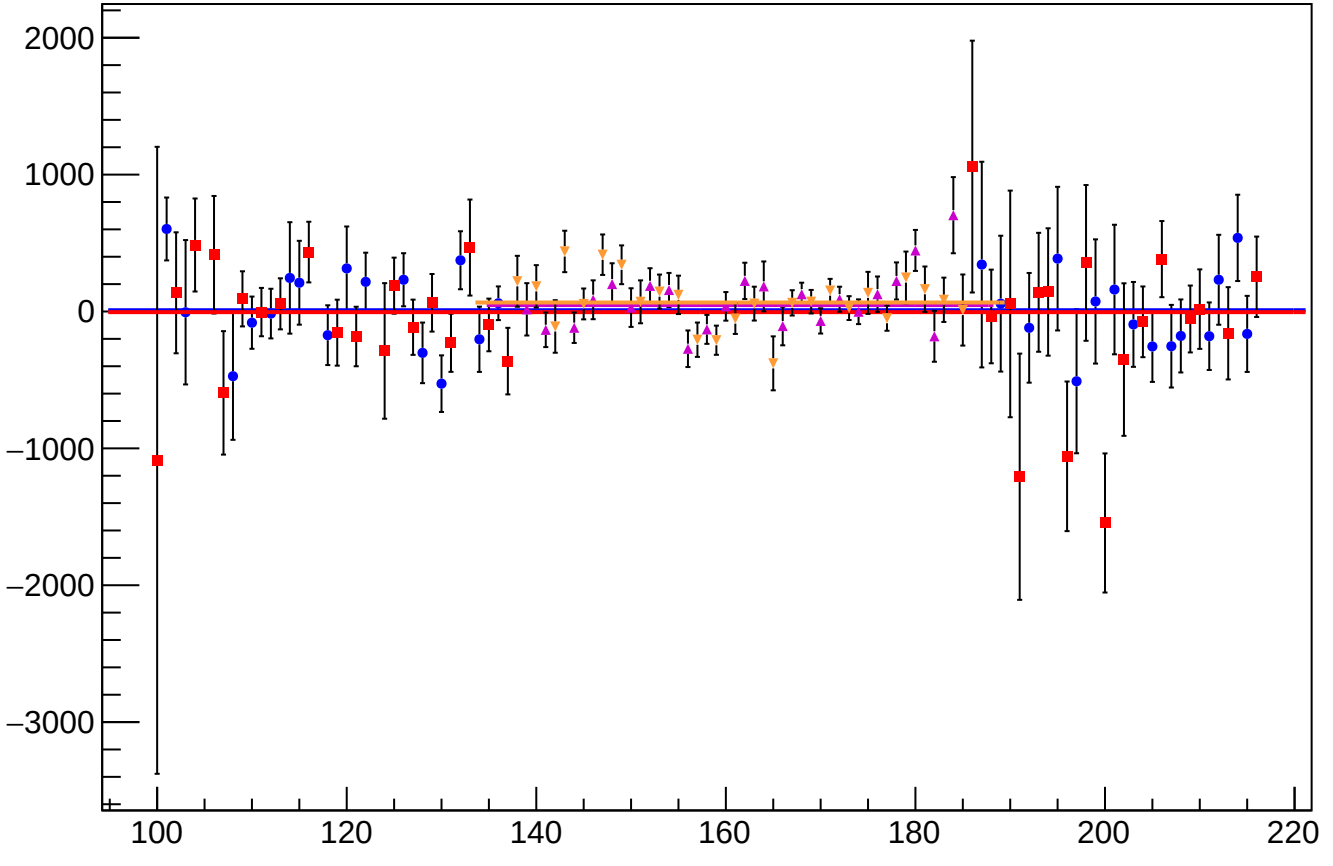
Right: 2054.482+/-0.248 χ^2/NDF: 8833187.8/65

In: 948.034+/-0.125 χ^2/NDF:17412949.6/53

Out: 954.451+/-0.124 χ^2/NDF:18592999.5/59

All: 951.273+/-0.088 χ^2/NDF: 36007269.0/1

dit_asym_sam3_mean vs Slug, Sign Corrected



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: -4.766+/-48.189 χ^2/NDF: 37.4/34

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

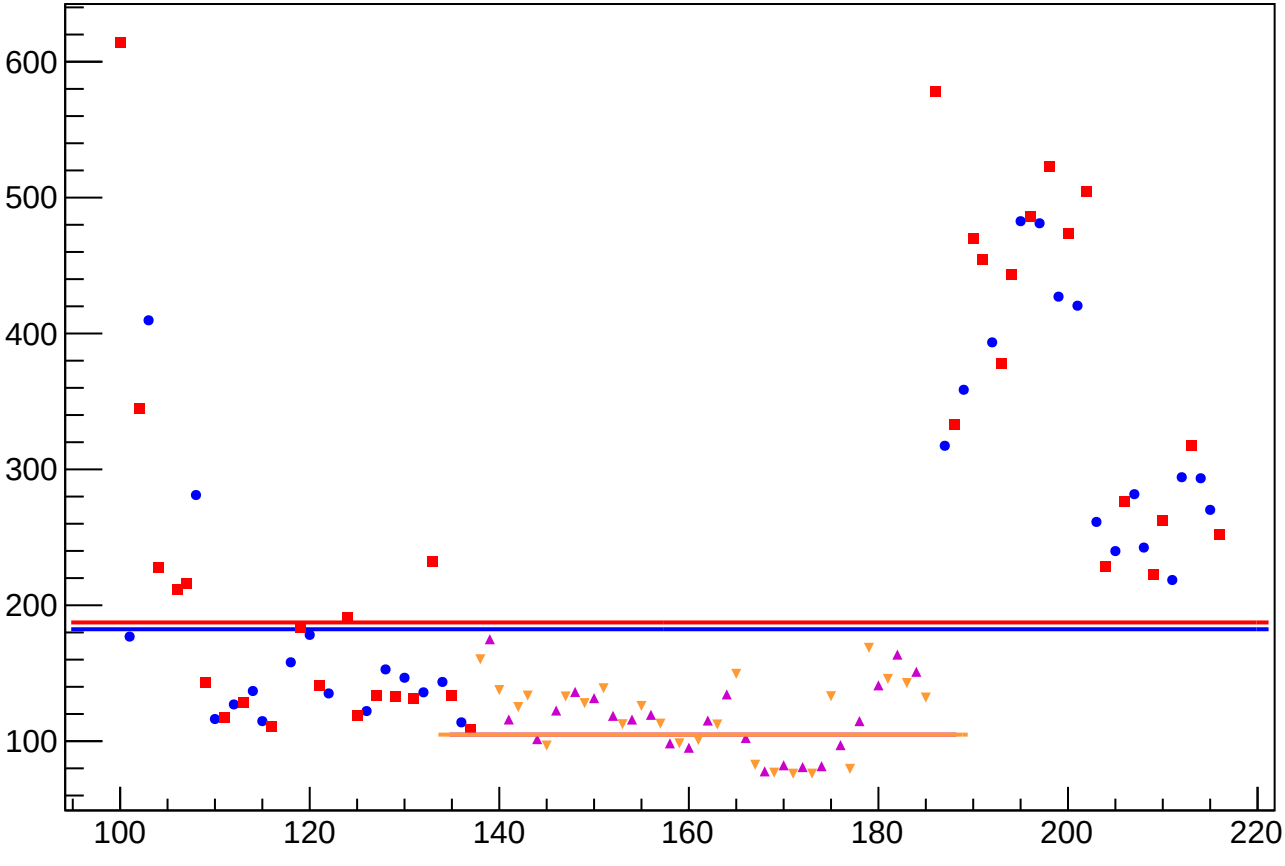
Right: 2.429+/-33.520 χ^2/NDF: 71.4/65

In: 38.226+/-22.508 χ^2/NDF:73.1/53

Out: 50.702+/-22.233 χ^2/NDF:79.2/59

All: 44.541+/-15.817 χ^2/NDF: 152.4/113

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: 187.357+/-0.034 χ^2/NDF: 7864604.6/34

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

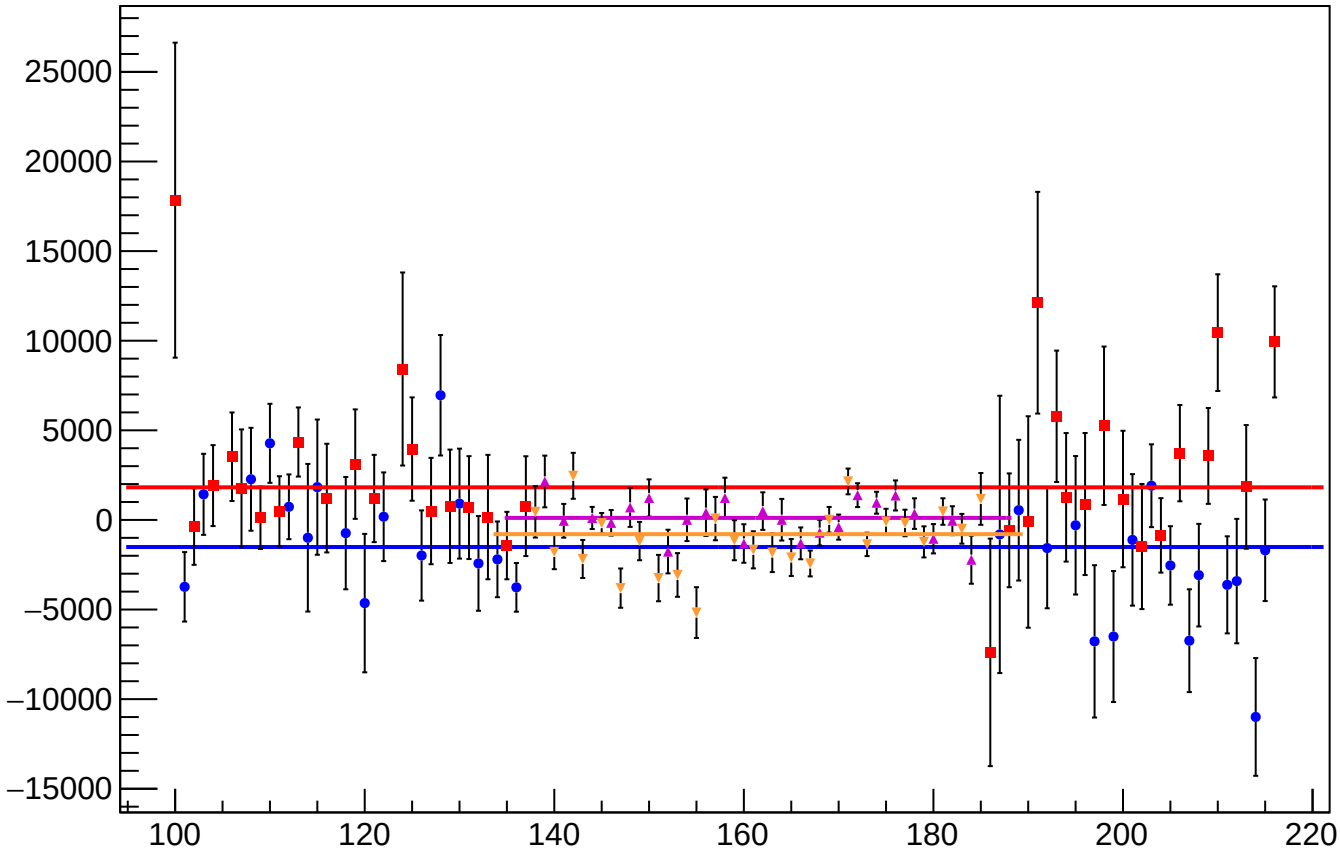
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 184.777+/-0.024 χ^2/NDF: 14597356.3/65

In: 122.876+/-0.016 χ^2/NDF:12572493.9/53

Out: 122.381+/-0.016 χ^2/NDF:14726852.1/59

All: 122.625+/-0.011 χ^2/NDF: 27299836.0/11



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: 1819.743+/-482.054 χ^2/NDF: 39.0/34

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

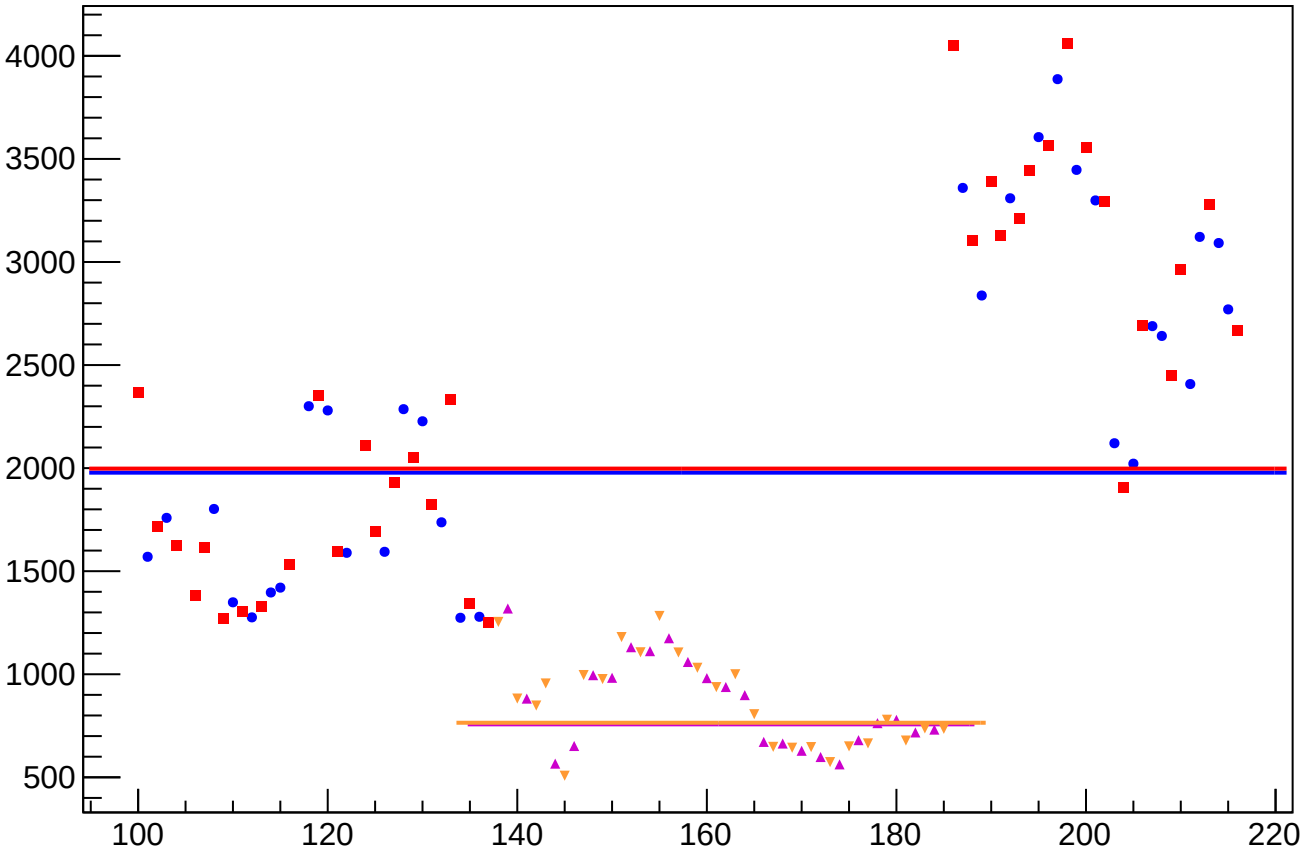
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 147.846+/-340.252 χ^2/NDF: 107.1/65

In: -92.642+/-171.112 χ^2/NDF:80.5/53

Out: -473.669+/-168.543 χ^2/NDF:134.8/59

All: -286.037+/-120.076 χ^2/NDF: 217.8/113



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: 1997.682+/-0.341 χ^2/NDF: 4923441.5/34

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

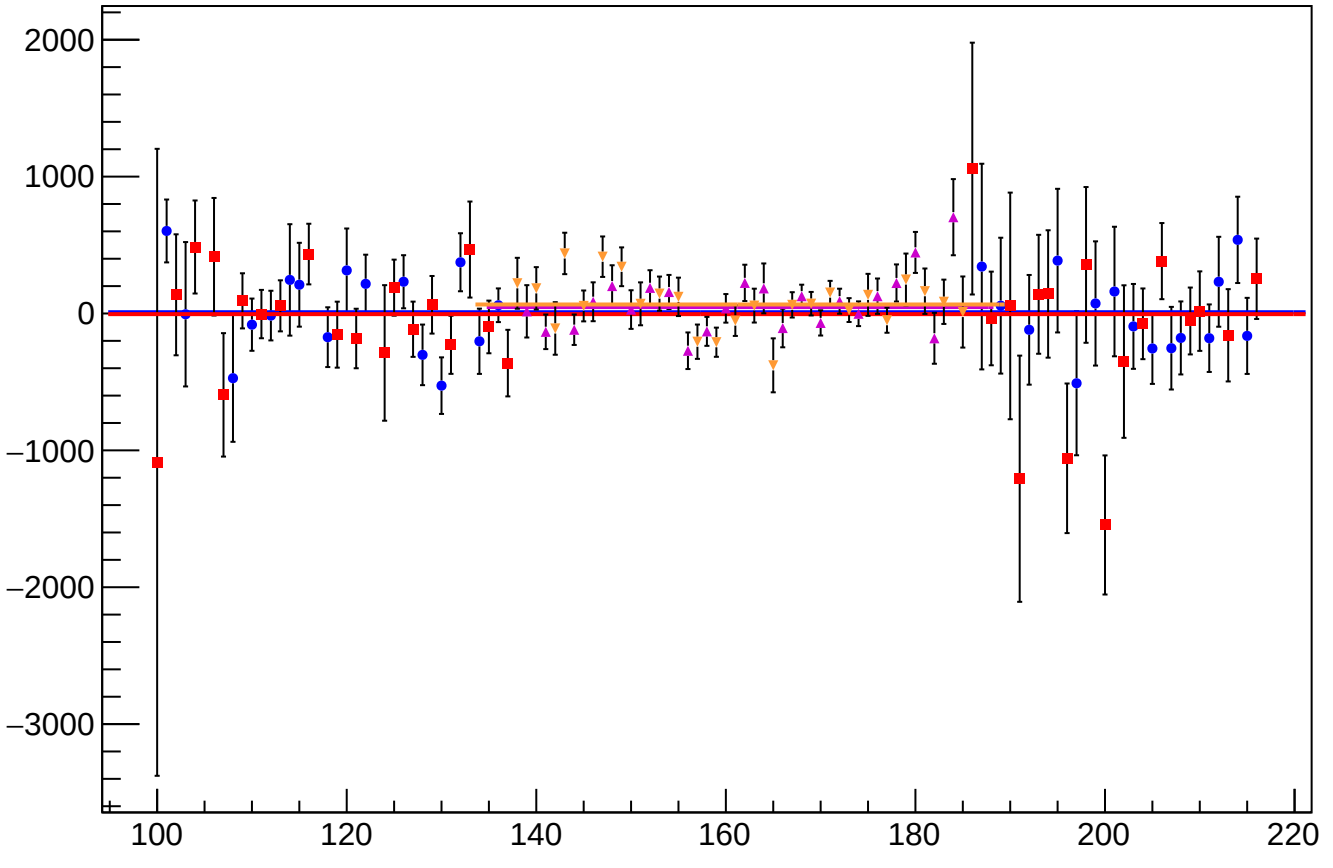
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1987.791+/-0.241 χ^2/NDF: 9221635.9/65

In: 911.884+/-0.121 χ^2/NDF:17696134.9/53

Out: 915.455+/-0.119 χ^2/NDF:18833225.4/59

All: 913.696+/-0.085 χ^2/NDF: 36529802.3/11



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: -4.770+/-48.189 χ^2/NDF: 37.4/34

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

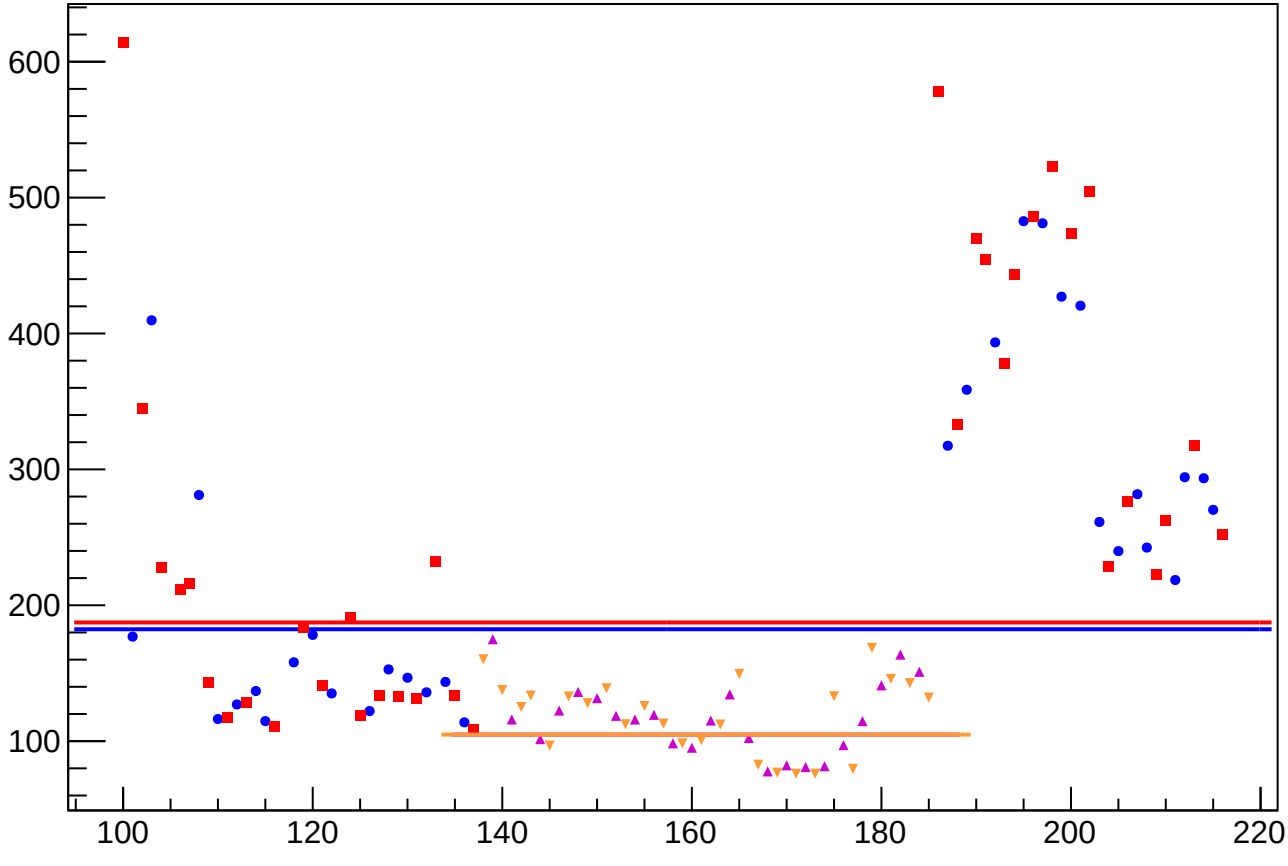
Right: 2.427+/-33.520 χ^2/NDF: 71.4/65

In: 38.226+/-22.508 χ^2/NDF:73.1/53

Out: 50.702+/-22.233 χ^2/NDF:79.2/59

All: 44.541+/-15.818 χ^2/NDF: 152.4/113

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: 187.358+/-0.034 χ^2/NDF: 7864582.4/34

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

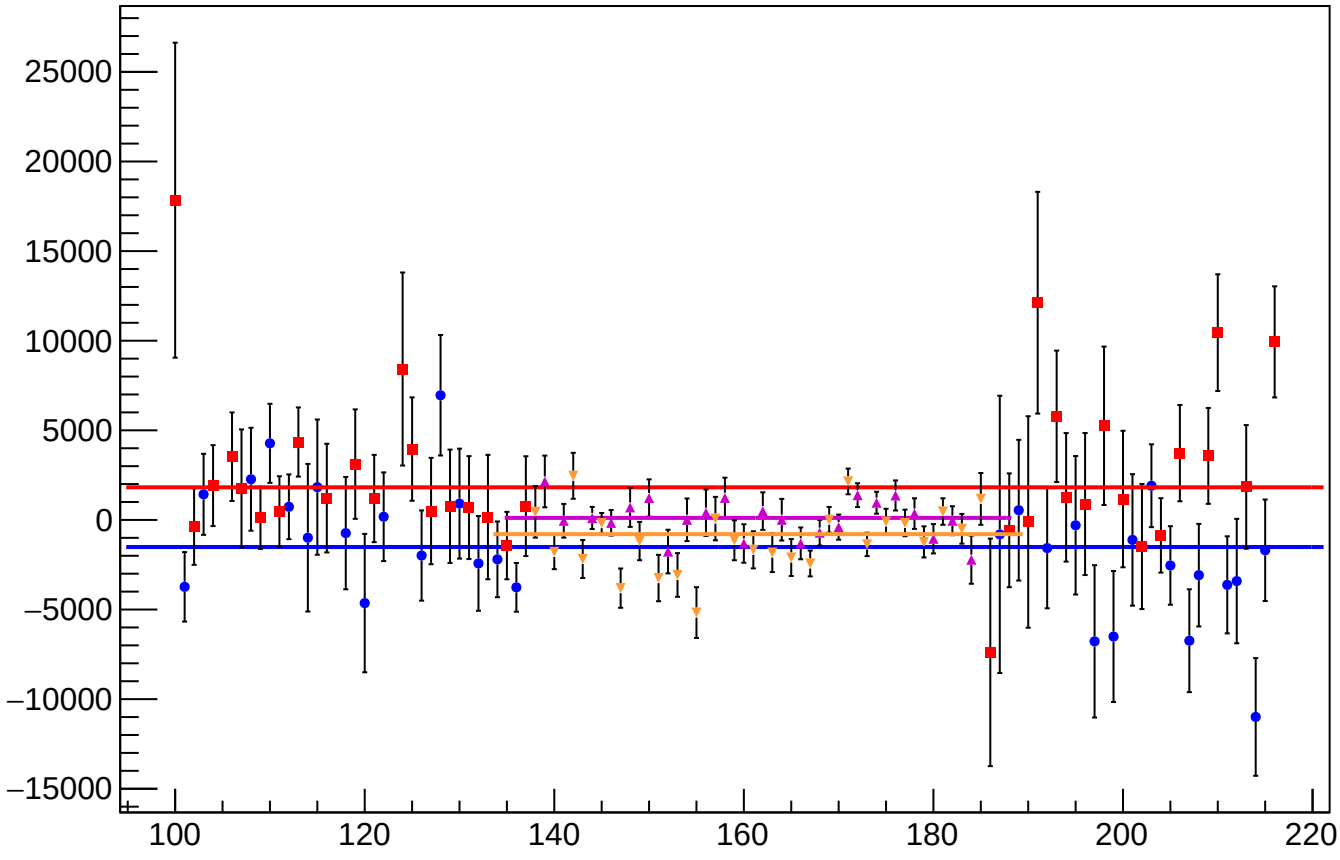
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 184.777+/-0.024 χ^2/NDF: 14597323.0/65

In: 122.876+/-0.016 χ^2/NDF:12572476.3/53

Out: 122.381+/-0.016 χ^2/NDF:14726849.8/59

All: 122.626+/-0.011 χ^2/NDF: 27299815.9/11



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: 1819.741+/-482.053 χ^2/NDF: 39.0/34

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

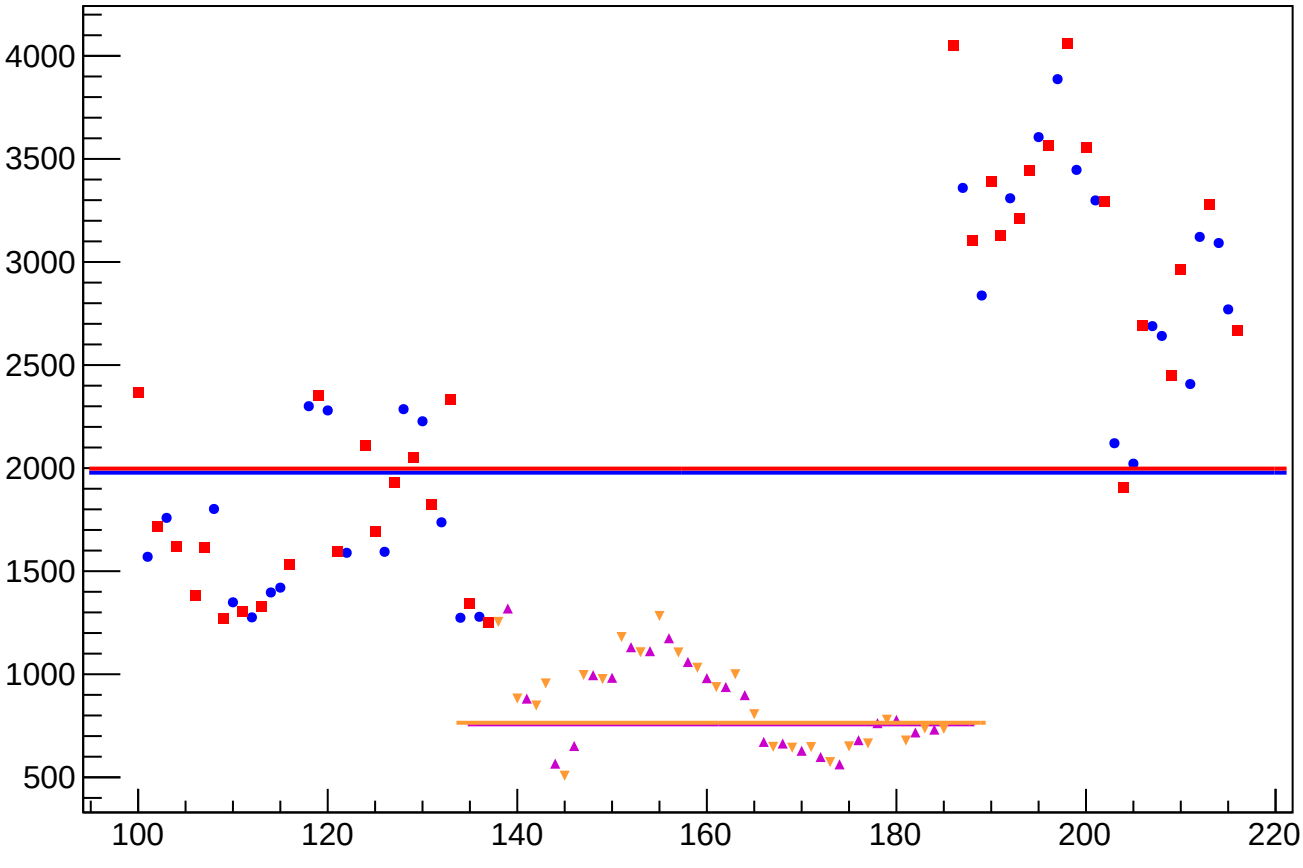
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 147.847+/-340.252 χ^2/NDF: 107.1/65

In: -92.642+/-171.112 χ^2/NDF:80.5/53

Out: -473.670+/-168.542 χ^2/NDF:134.8/59

All: -286.038+/-120.076 χ^2/NDF: 217.8/113



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: 1997.679+/-0.341 χ^2/NDF: 4923443.8/34

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

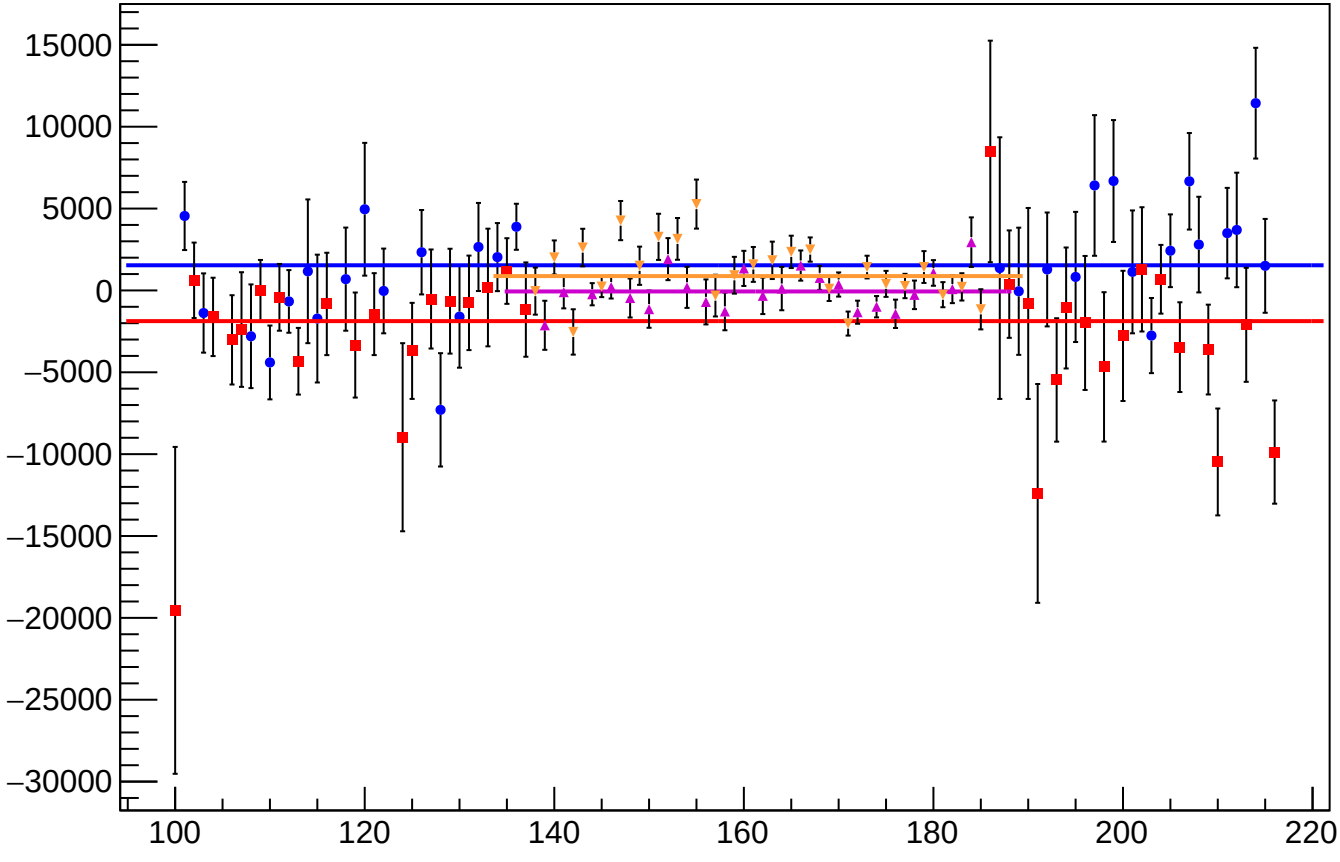
Right: 1987.789+/-0.241 χ^2/NDF: 9221636.8/65

In: 911.883+/-0.121 χ^2/NDF:17696128.9/53

Out: 915.454+/-0.119 χ^2/NDF:18833212.9/59

All: 913.696+/-0.085 χ^2/NDF: 36529783.8/1

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: -1874.331+/-503.002 χ^2/NDF: 35.9/34

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

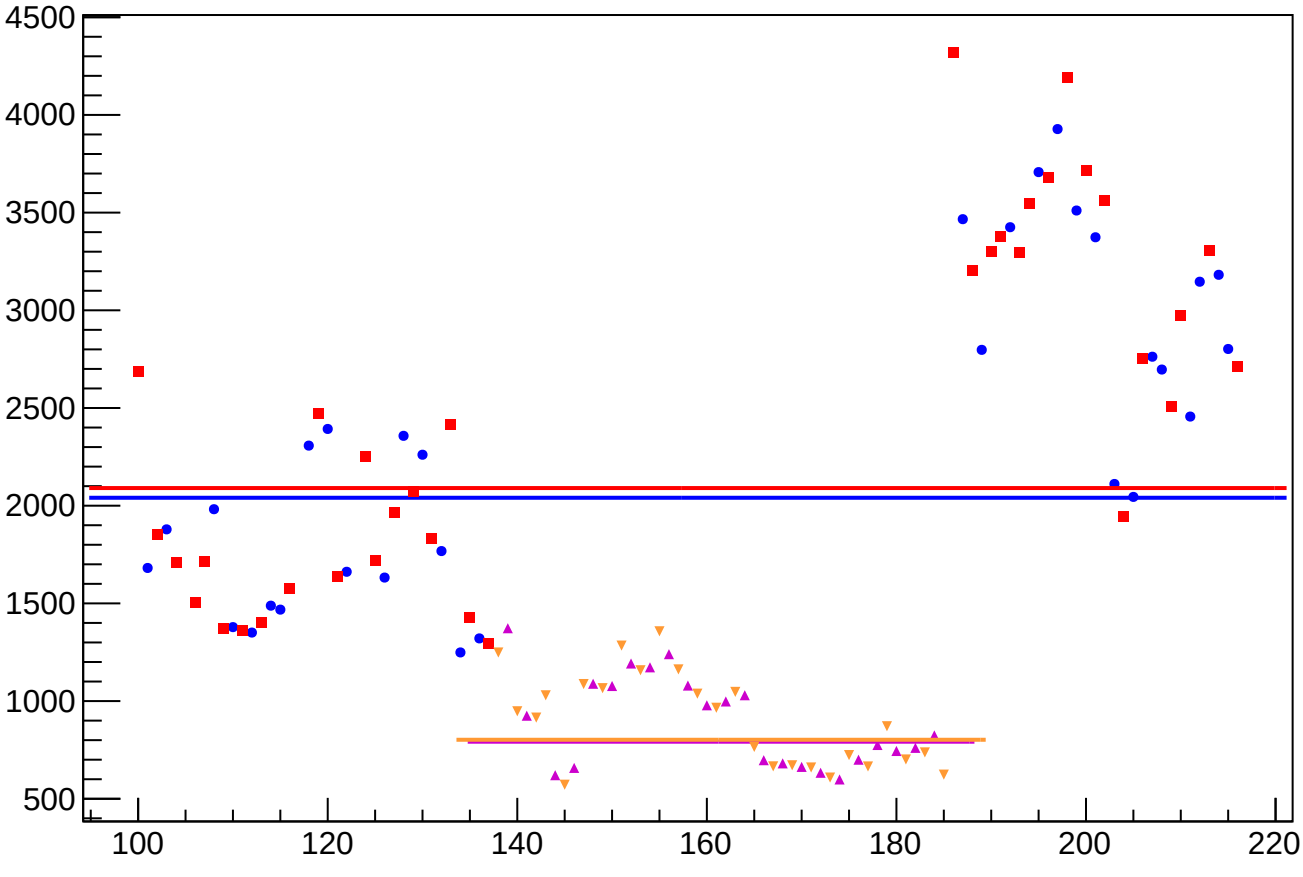
Right: -141.207+/-352.766 χ^2/NDF: 105.2/65

In: 145.698+/-178.672 χ^2/NDF:82.1/53

Out: 536.165+/-176.922 χ^2/NDF:129.4/59

All: 342.854+/-125.717 χ^2/NDF: 213.9/113

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: 2090.257+/-0.356 χ^2/NDF: 4684247.2/34

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

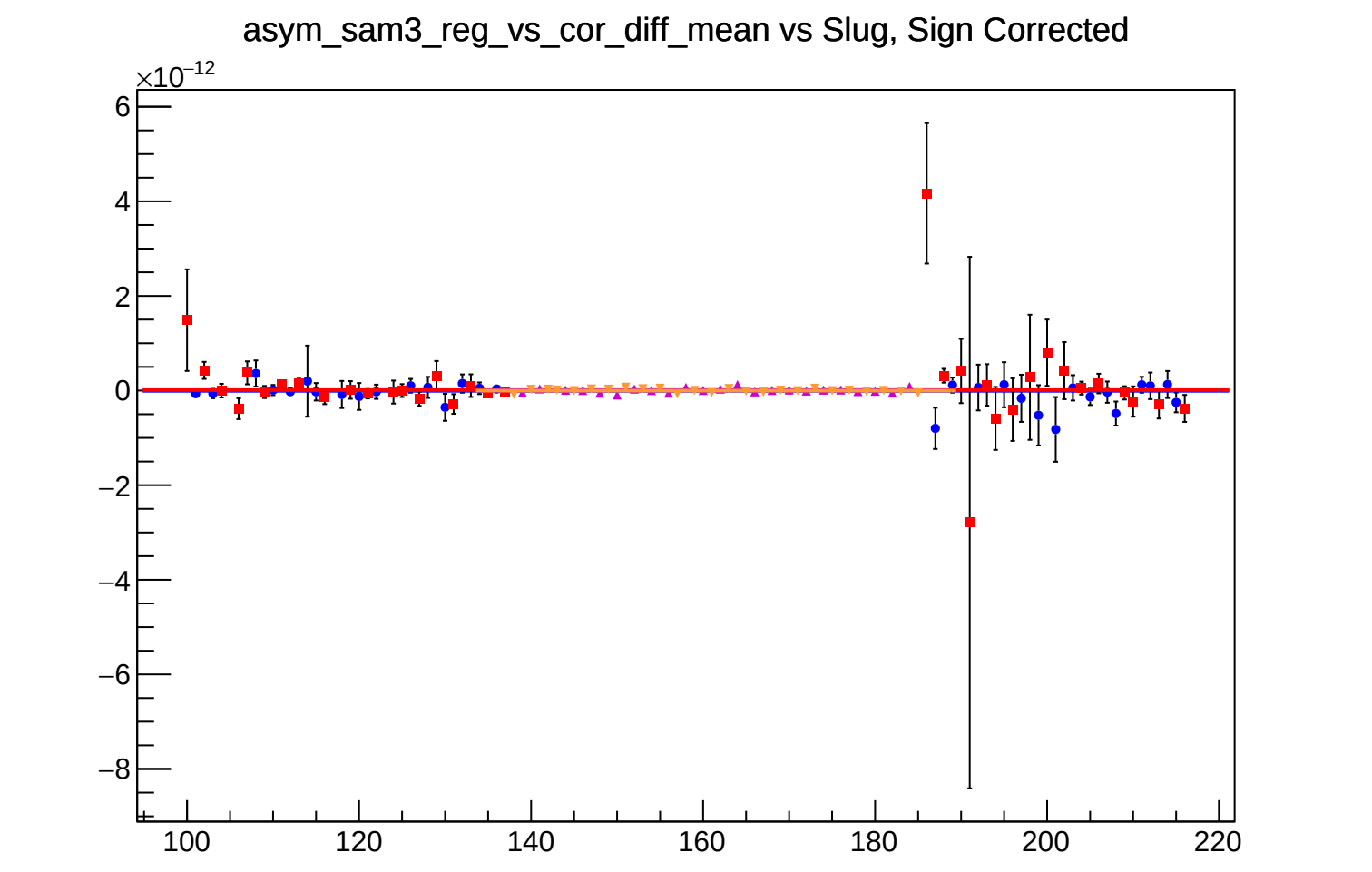
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 2065.027+/-0.249 χ^2/NDF: 8849513.7/65

In: 954.817+/-0.126 χ^2/NDF:17362247.6/53

Out: 961.389+/-0.125 χ^2/NDF:18575874.8/59

All: 958.135+/-0.089 χ^2/NDF: 35939488.7/1



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: 43.5/34

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

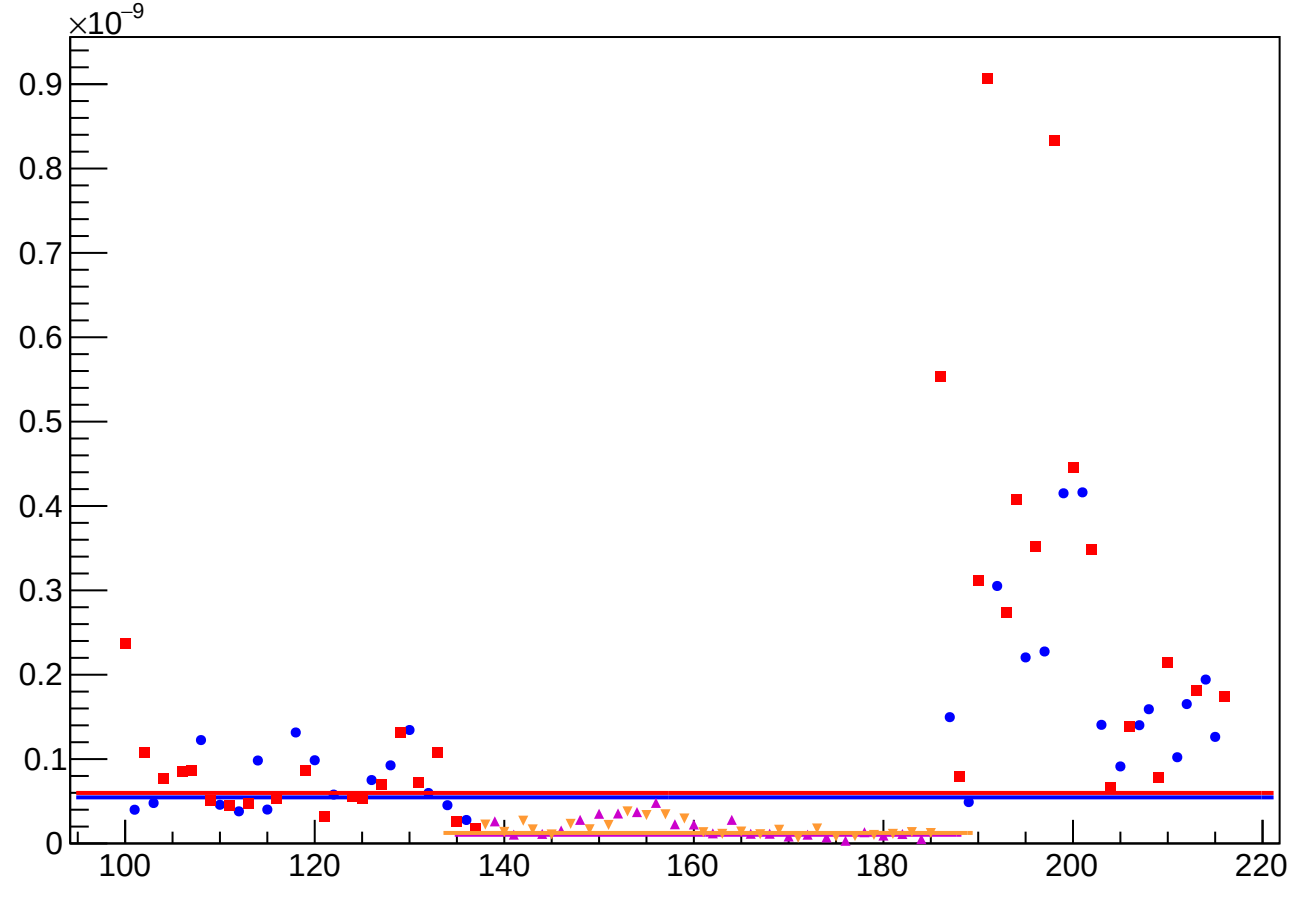
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 63.3/65

In: 0.000+/-0.000 χ^2/NDF:51.4/53

Out: -0.000+/-0.000 χ^2/NDF:67.7/59

All: 0.000+/-0.000 χ^2/NDF: 120.0/113



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: 6951115.4/34

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

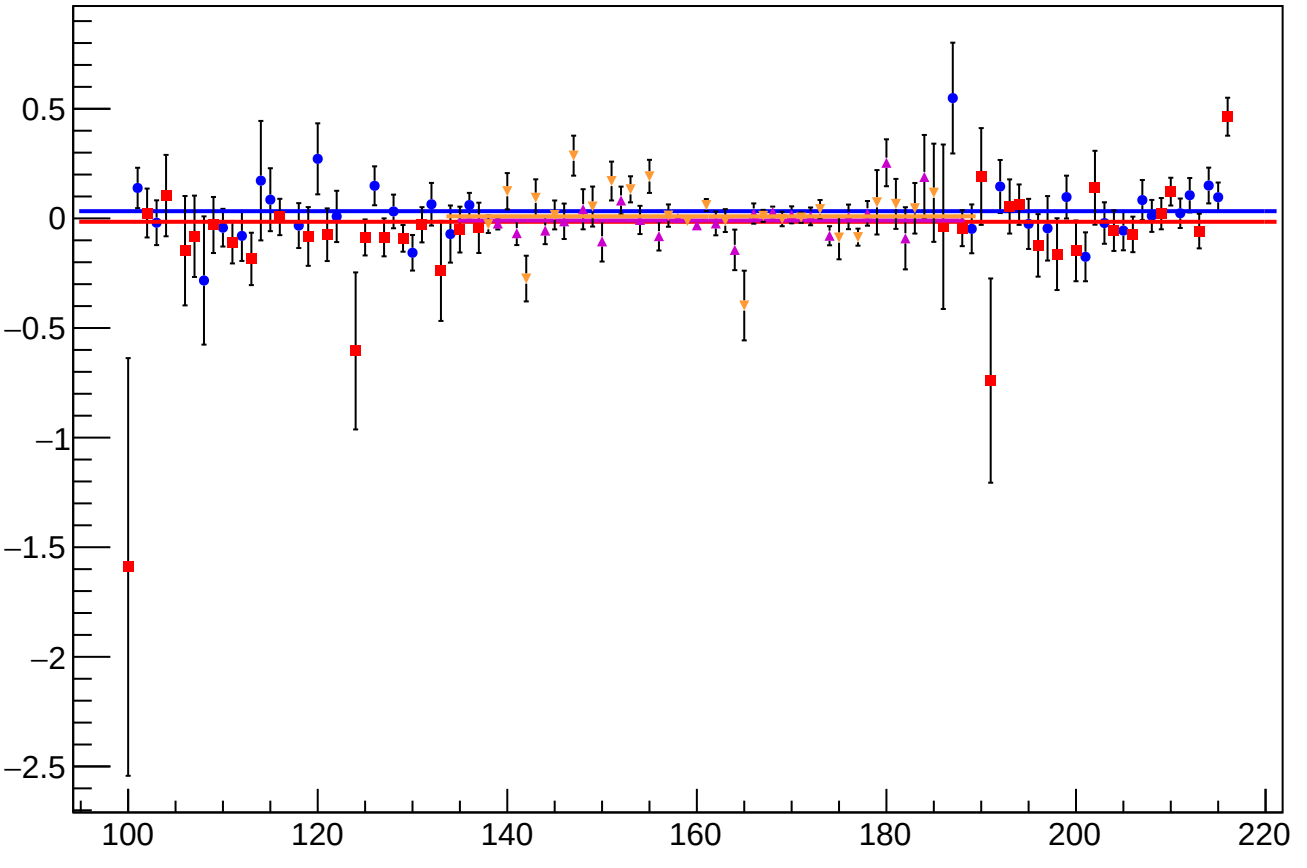
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12977871.7/65

In: 0.000+/-0.000 χ^2/NDF:15619232.3/53

Out: 0.000+/-0.000 χ^2/NDF:14851774.8/59

All: 0.000+/-0.000 χ^2/NDF: 30667800.8/113



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: -0.015+/-0.018 χ^2/NDF: 58.3/34

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

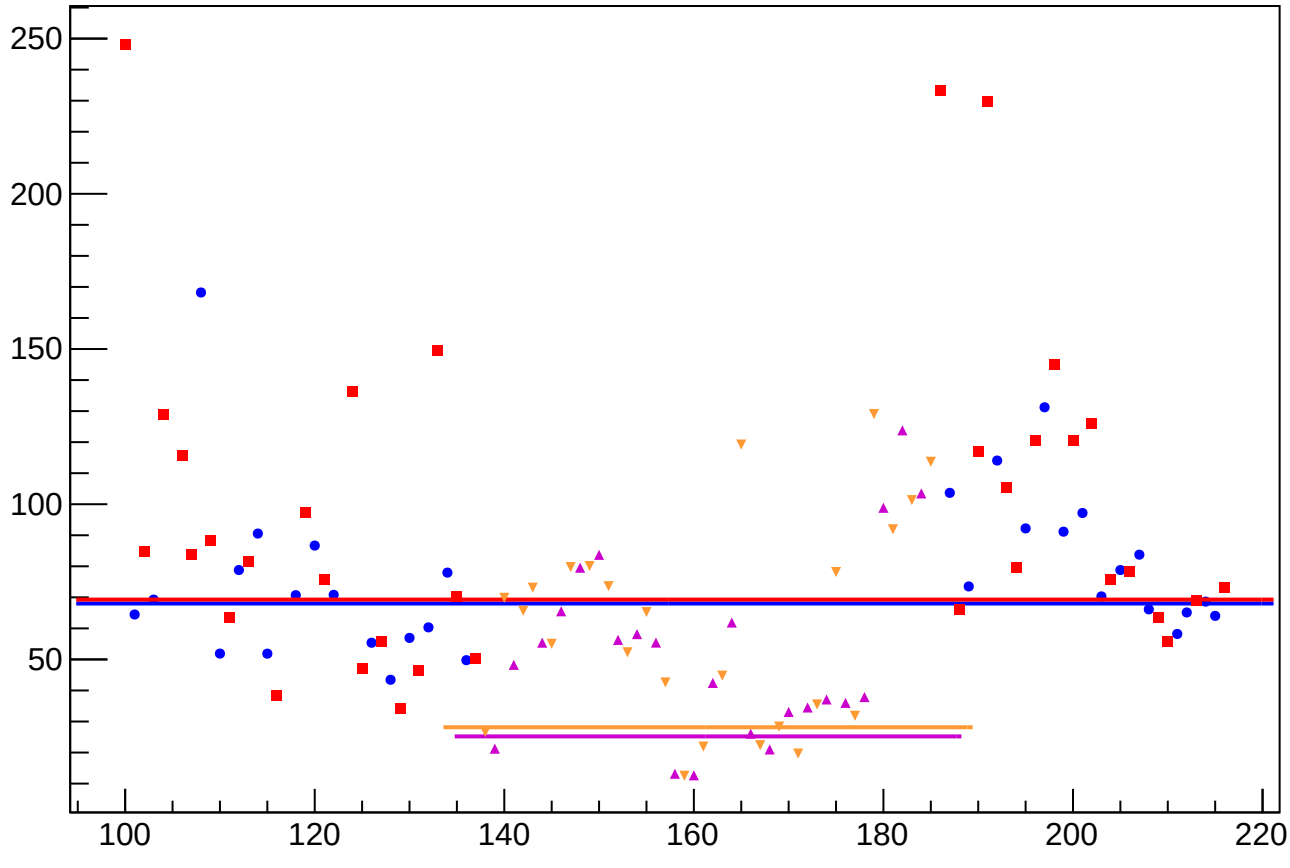
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.010+/-0.012 χ^2/NDF: 93.3/65

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.005+/-0.008 χ^2/NDF:114.5/59

All: 0.001+/-0.005 χ^2/NDF: 176.4/113



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: 69.275+/-0.013 χ^2/NDF: 4472240.8/34

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

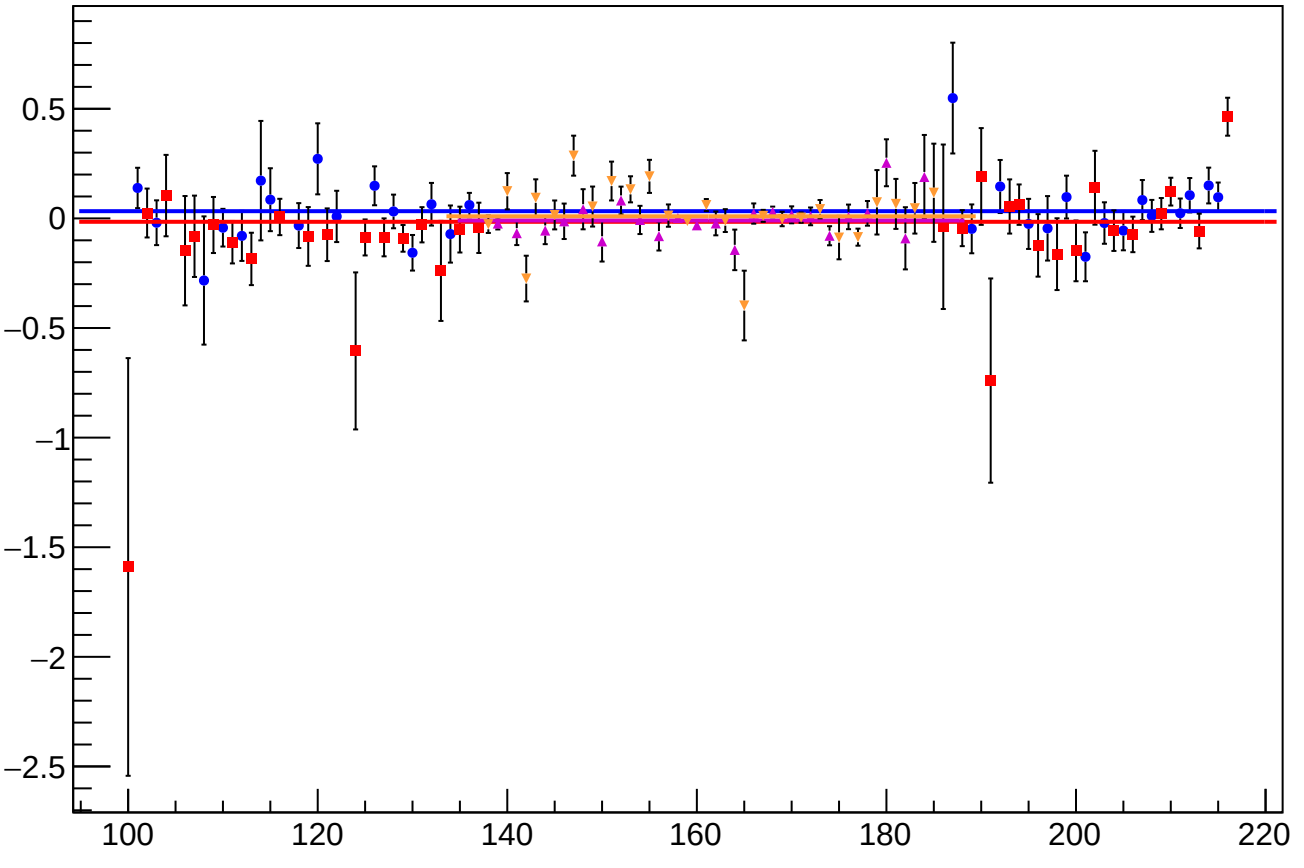
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.615+/-0.009 χ^2/NDF: 6579863.2/65

In: 32.765+/-0.005 χ^2/NDF:22374298.6/53

Out: 35.636+/-0.005 χ^2/NDF:24148612.0/59

All: 34.112+/-0.004 χ^2/NDF: 46672434.6/113



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: -0.015+/-0.018 χ^2/NDF: 58.3/34

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

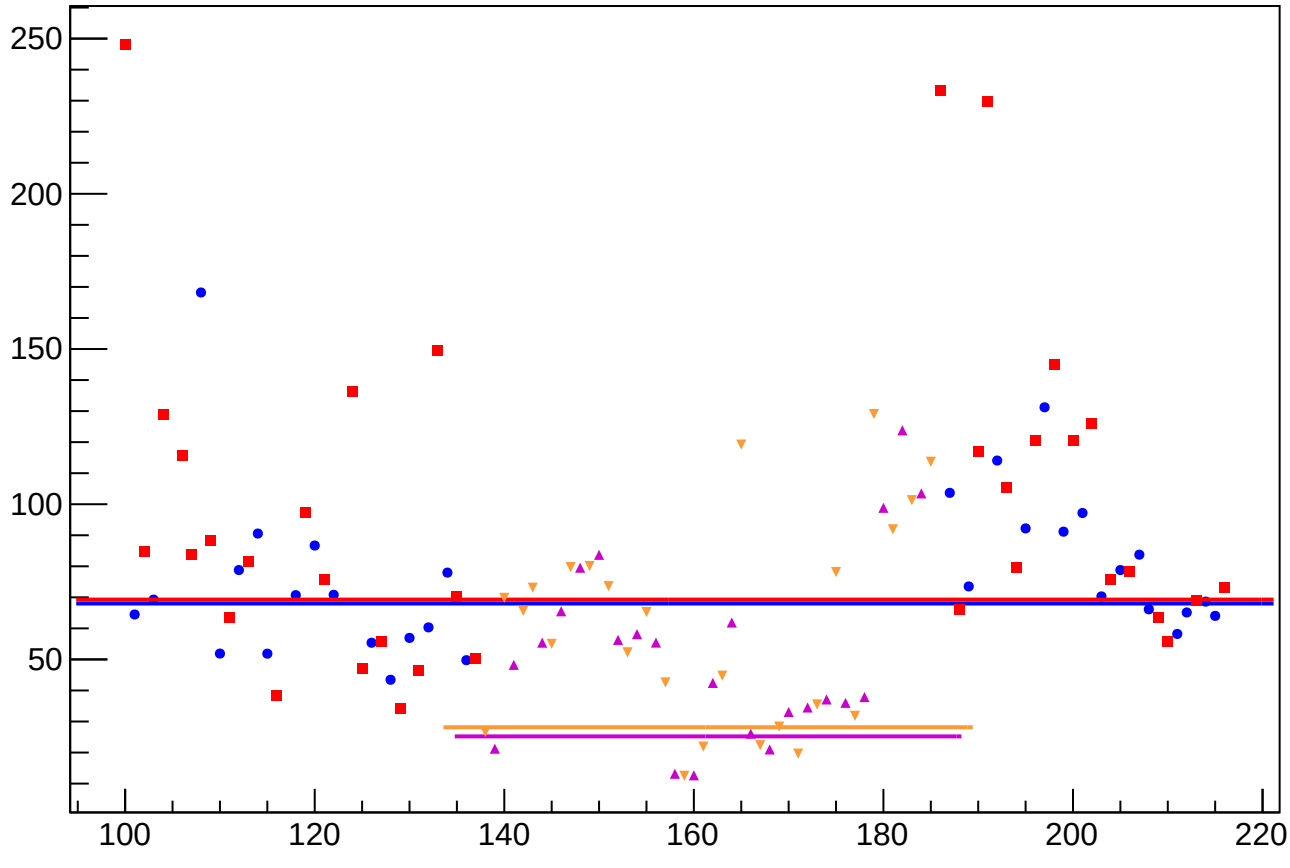
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.010+/-0.012 χ^2/NDF: 93.3/65

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.005+/-0.008 χ^2/NDF:114.5/59

All: 0.001+/-0.005 χ^2/NDF: 176.4/113



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: 69.275+/-0.013 χ^2/NDF: 4472240.8/34

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

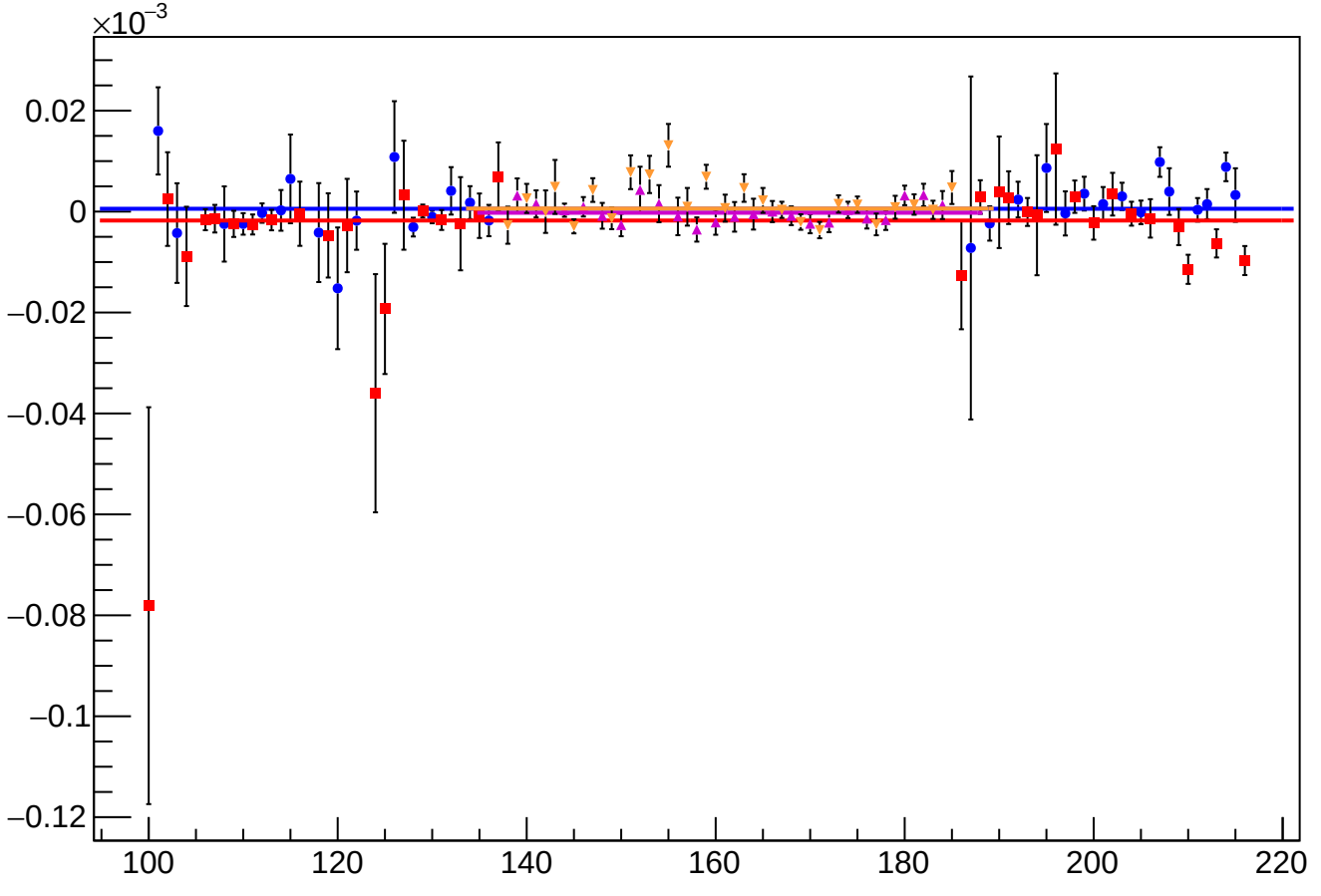
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 68.615+/-0.009 χ^2/NDF: 6579863.2/65

In: 32.765+/-0.005 χ^2/NDF:22374298.6/53

Out: 35.636+/-0.005 χ^2/NDF:24148612.0/59

All: 34.112+/-0.004 χ^2/NDF: 46672434.6/113



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: 43.8/34

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

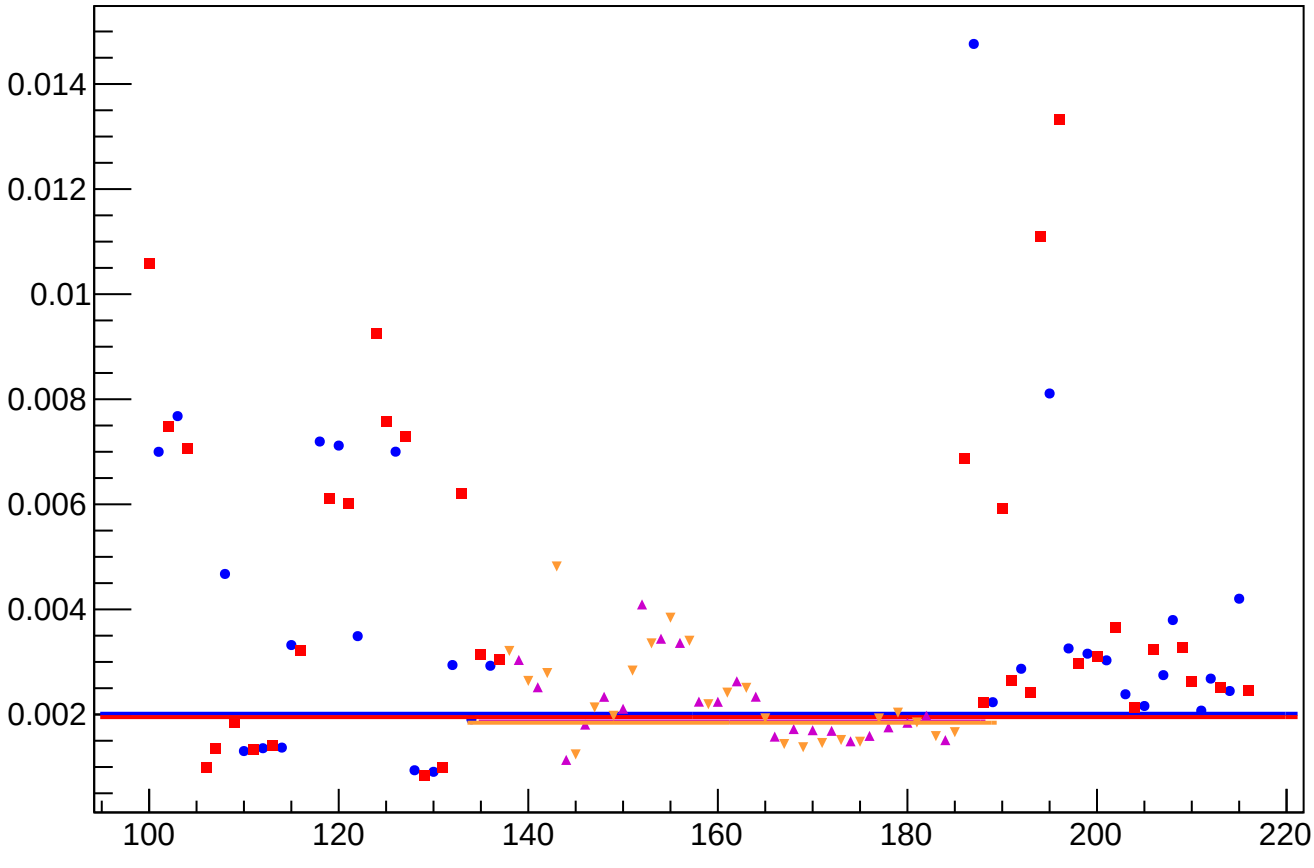
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 91.8/65

In: 0.000+/-0.000 χ^2/NDF:56.9/53

Out: -0.000+/-0.000 χ^2/NDF:107.4/59

All: -0.000+/-0.000 χ^2/NDF: 164.9/113



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: 11510972.1/34

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

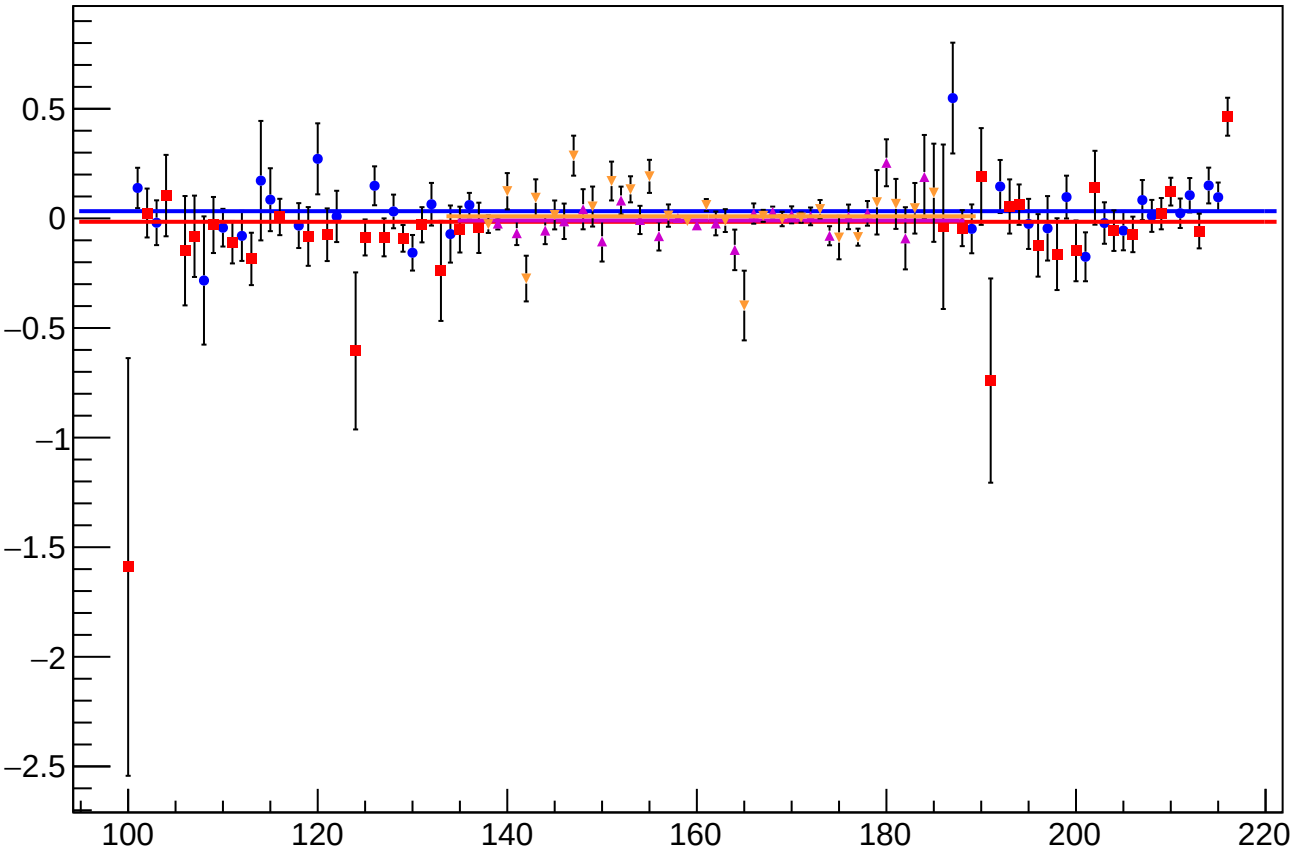
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 20509717.0/65

In: 0.002+/-0.000 χ^2/NDF:11864007.2/53

Out: 0.002+/-0.000 χ^2/NDF:15339221.9/59

All: 0.002+/-0.000 χ^2/NDF: 27215959.9/113



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: -0.015+/-0.018 χ^2/NDF: 58.3/34

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

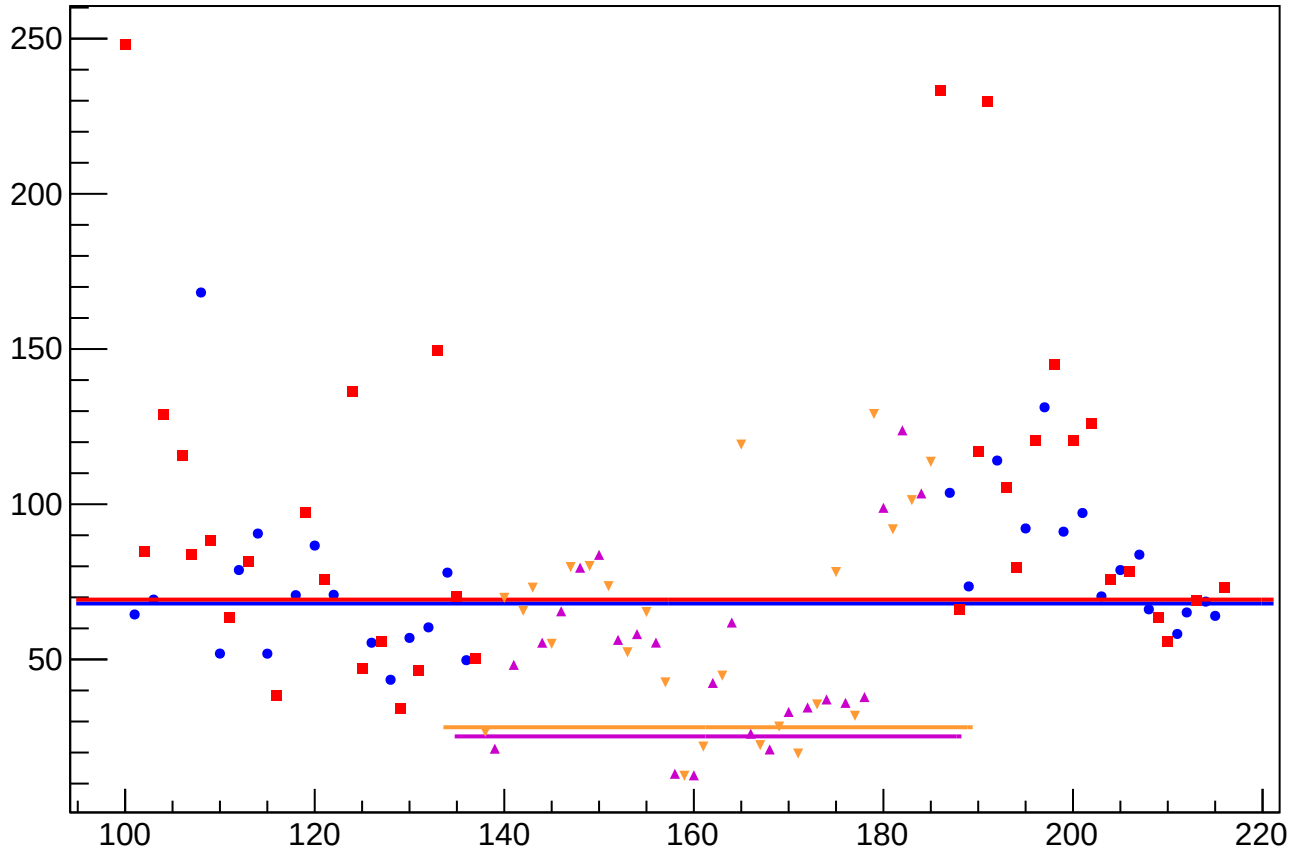
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: 0.010+/-0.012 χ^2/NDF: 93.3/65

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.005+/-0.008 χ^2/NDF:114.5/59

All: 0.001+/-0.005 χ^2/NDF: 176.4/113



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: 69.275+/-0.013 χ^2/NDF: 4472291.6/34

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

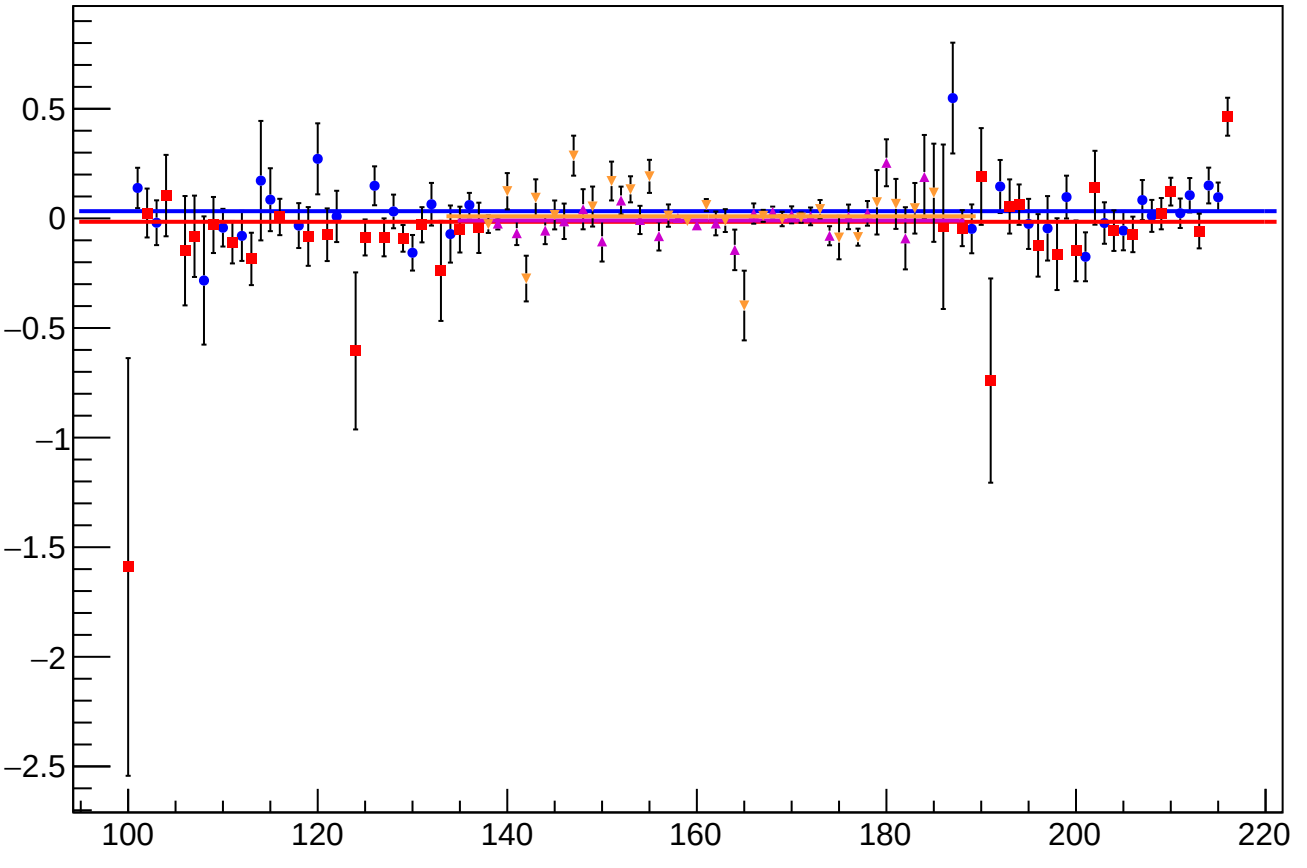
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.616+/-0.009 χ^2/NDF: 6579899.0/65

In: 32.765+/-0.005 χ^2/NDF:22375098.7/53

Out: 35.635+/-0.005 χ^2/NDF:24150490.3/59

All: 34.111+/-0.004 χ^2/NDF: 46675032.1/113



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: -0.015+/-0.018 χ^2/NDF: 58.3/34

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

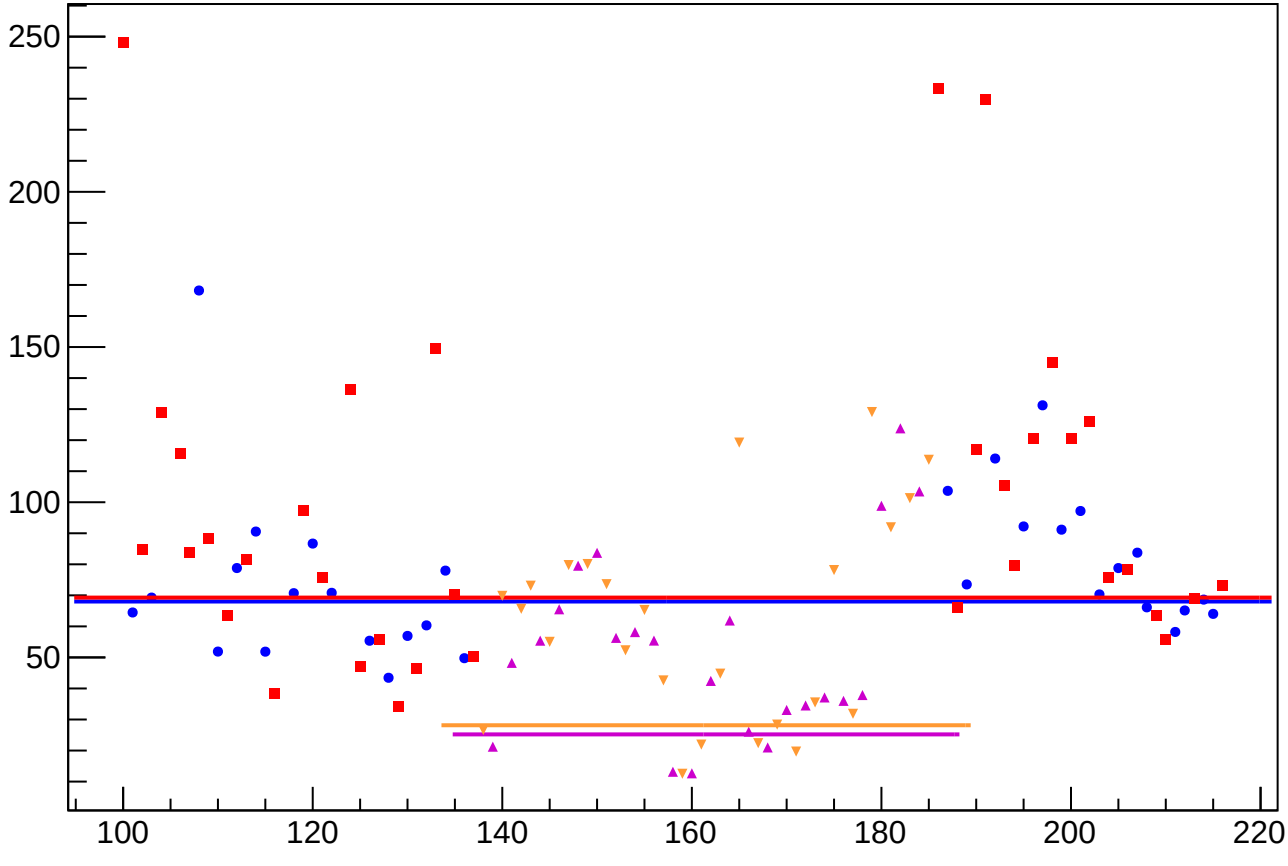
Right: 0.010+/-0.012 χ^2/NDF: 93.3/65

In: -0.002+/-0.007 χ^2/NDF:61.5/53

Out: 0.005+/-0.008 χ^2/NDF:114.5/59

All: 0.001+/-0.005 χ^2/NDF: 176.4/113

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 69.275+/-0.013 χ^2/NDF: 4472291.6/34

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

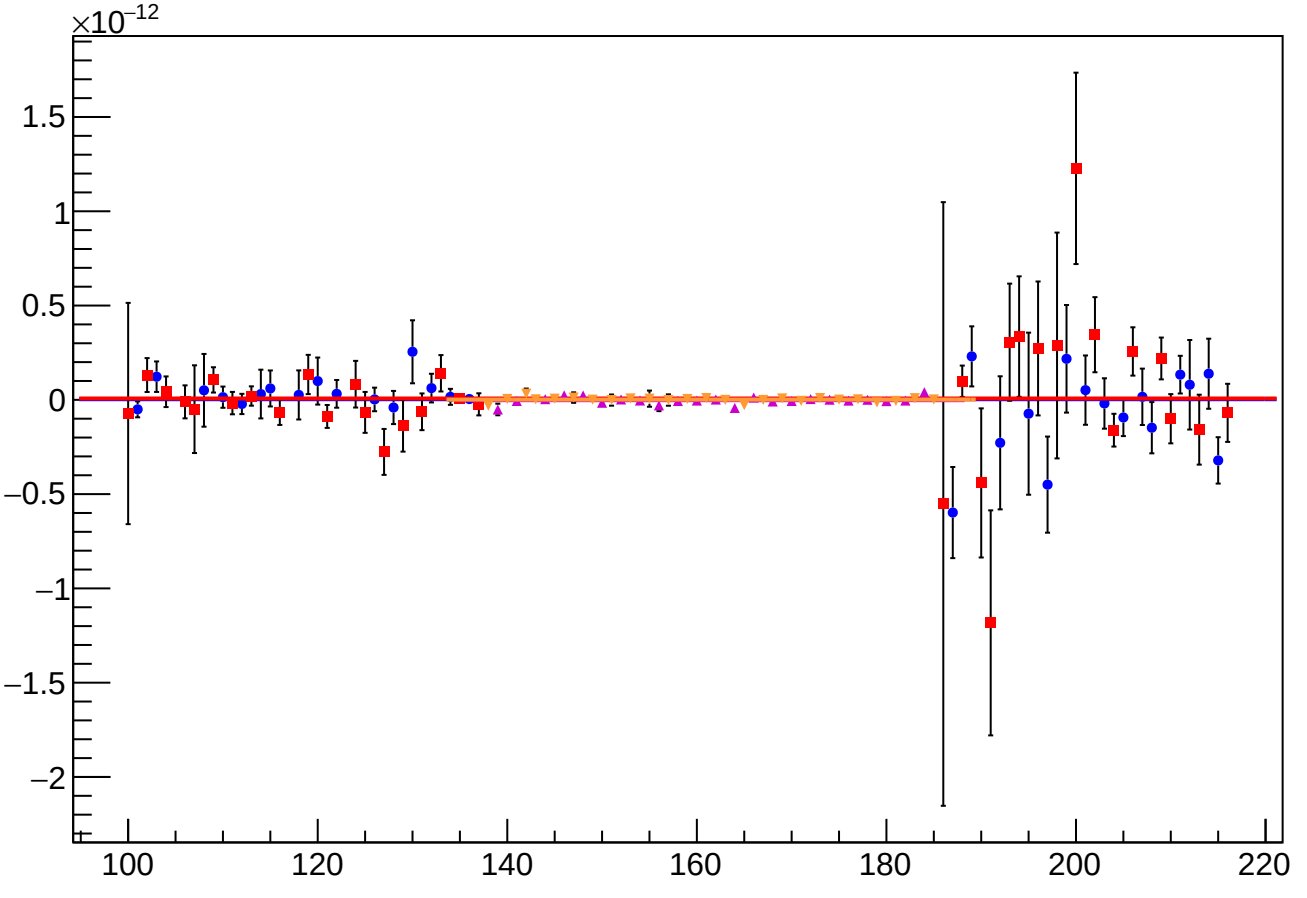
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 68.616+/-0.009 χ^2/NDF: 6579899.0/65

In: 32.765+/-0.005 χ^2/NDF:22375098.7/53

Out: 35.635+/-0.005 χ^2/NDF:24150490.3/59

All: 34.111+/-0.004 χ^2/NDF: 46675032.1/113



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: 50.7/34

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

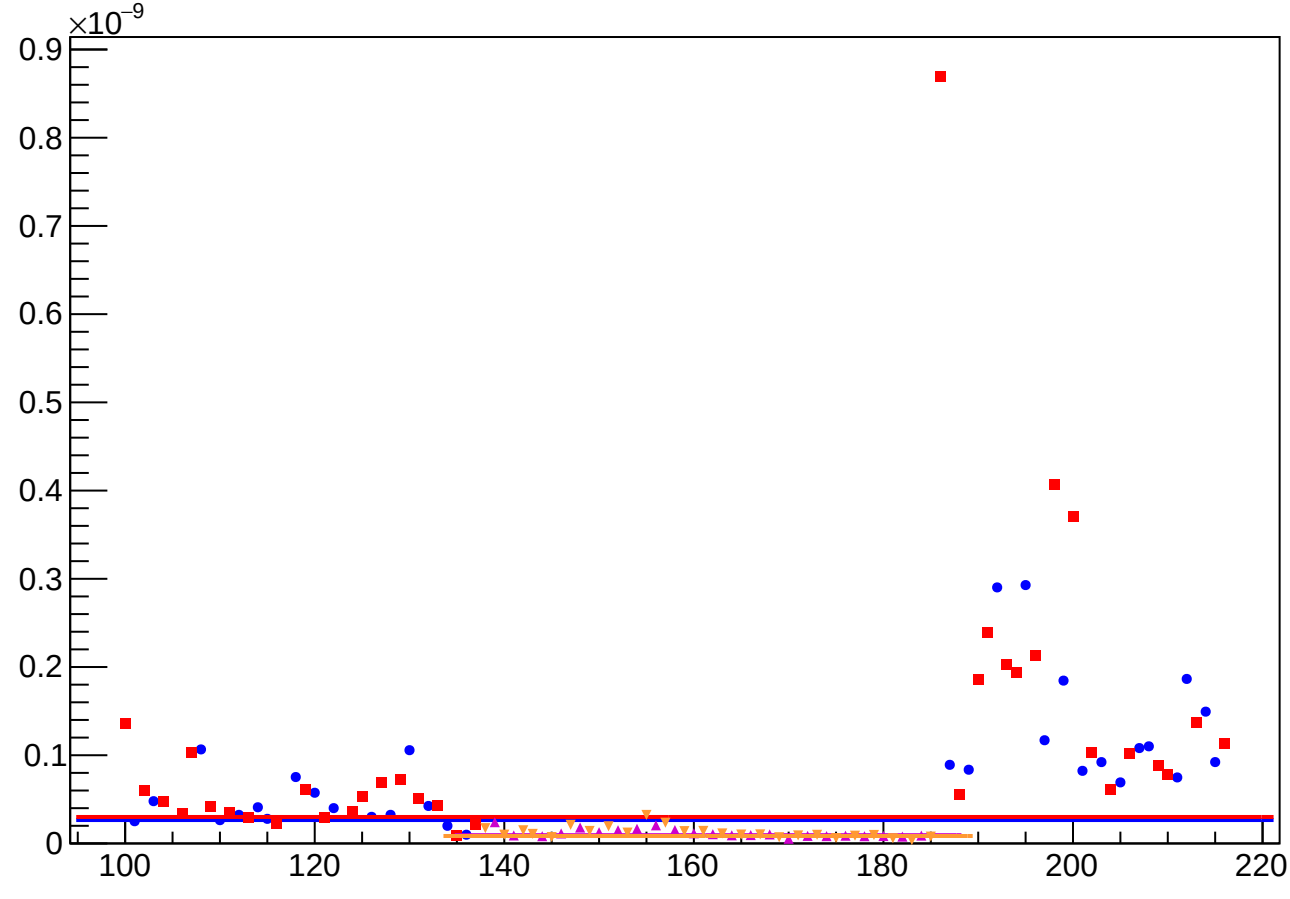
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 83.3/65

In: -0.000+/-0.000 χ^2/NDF:53.5/53

Out: 0.000+/-0.000 χ^2/NDF:62.2/59

All: 0.000+/-0.000 χ^2/NDF: 116.4/113



Right In: 0.000+/-0.000 χ^2/NDF: 12039195.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11962158.1/34

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

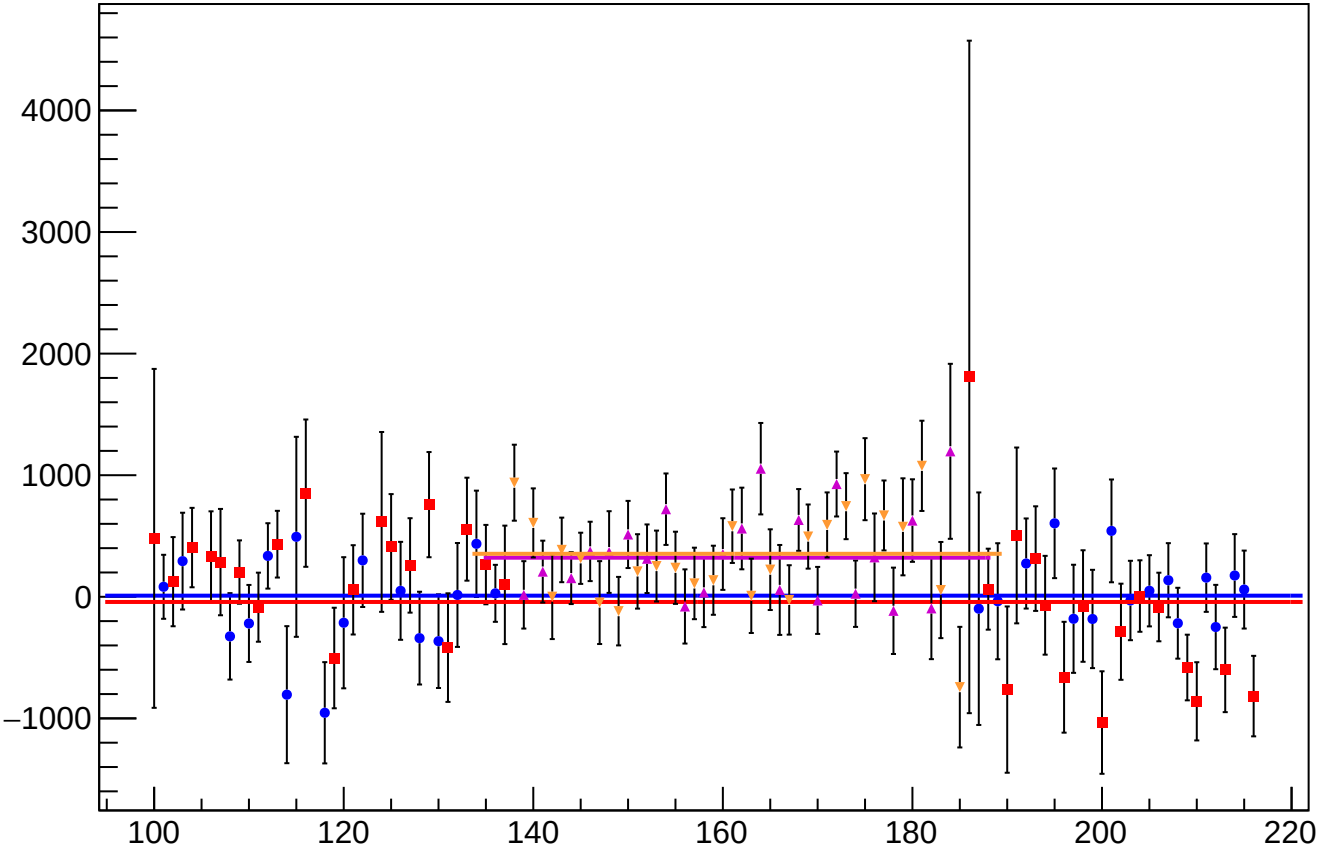
Right: 0.000+/-0.000 χ^2/NDF: 24081896.8/65

In: 0.000+/-0.000 χ^2/NDF:18264569.5/53

Out: 0.000+/-0.000 χ^2/NDF:21714024.0/59

All: 0.000+/-0.000 χ^2/NDF: 40114034.0/113

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: -42.518+/-64.470 χ^2/NDF: 50.0/34

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

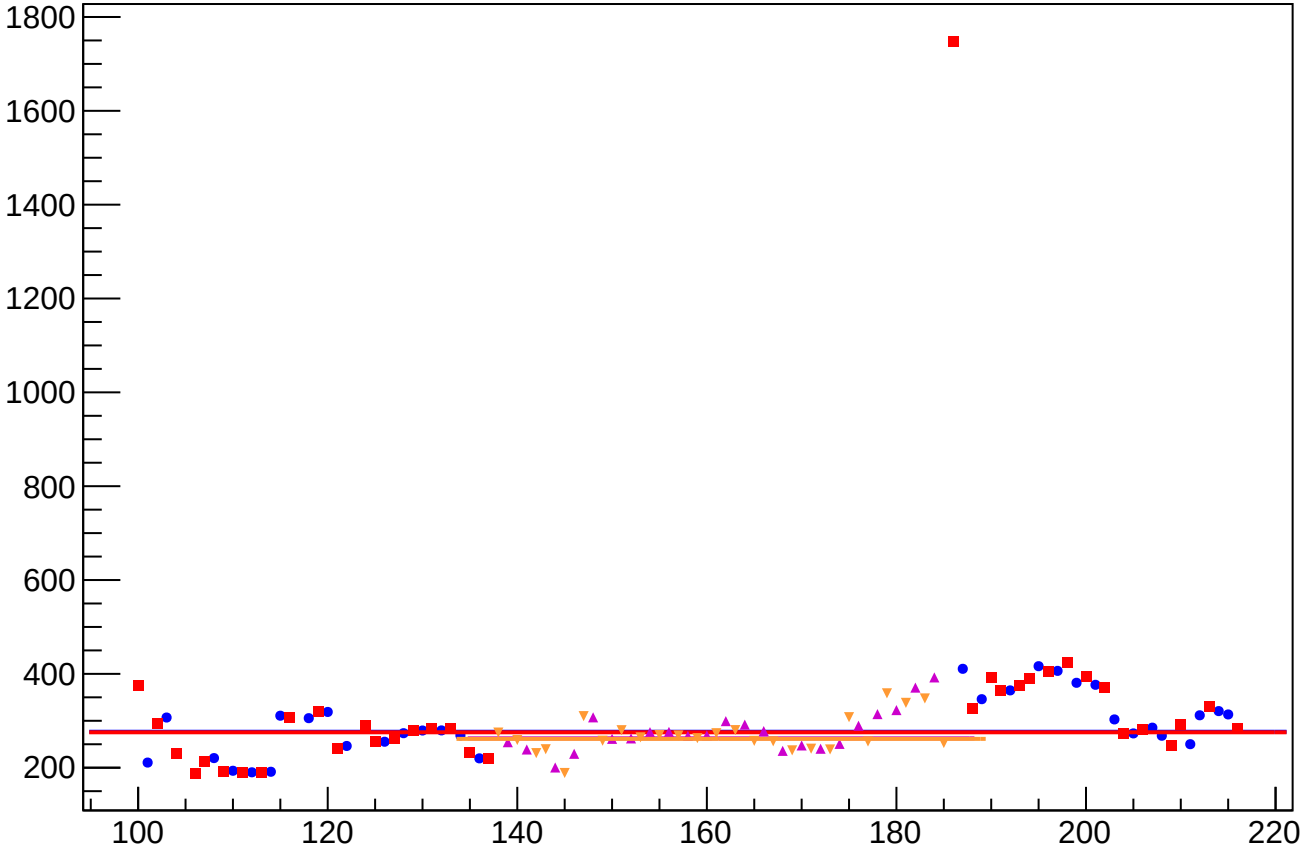
Right: -16.697+/-45.657 χ^2/NDF: 71.2/65

In: 171.684+/-44.796 χ^2/NDF:59.3/53

Out: 169.269+/-43.980 χ^2/NDF:102.5/59

All: 170.454+/-31.383 χ^2/NDF: 161.8/113

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: 275.486+/-0.046 χ^2/NDF: 2600667.6/34

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

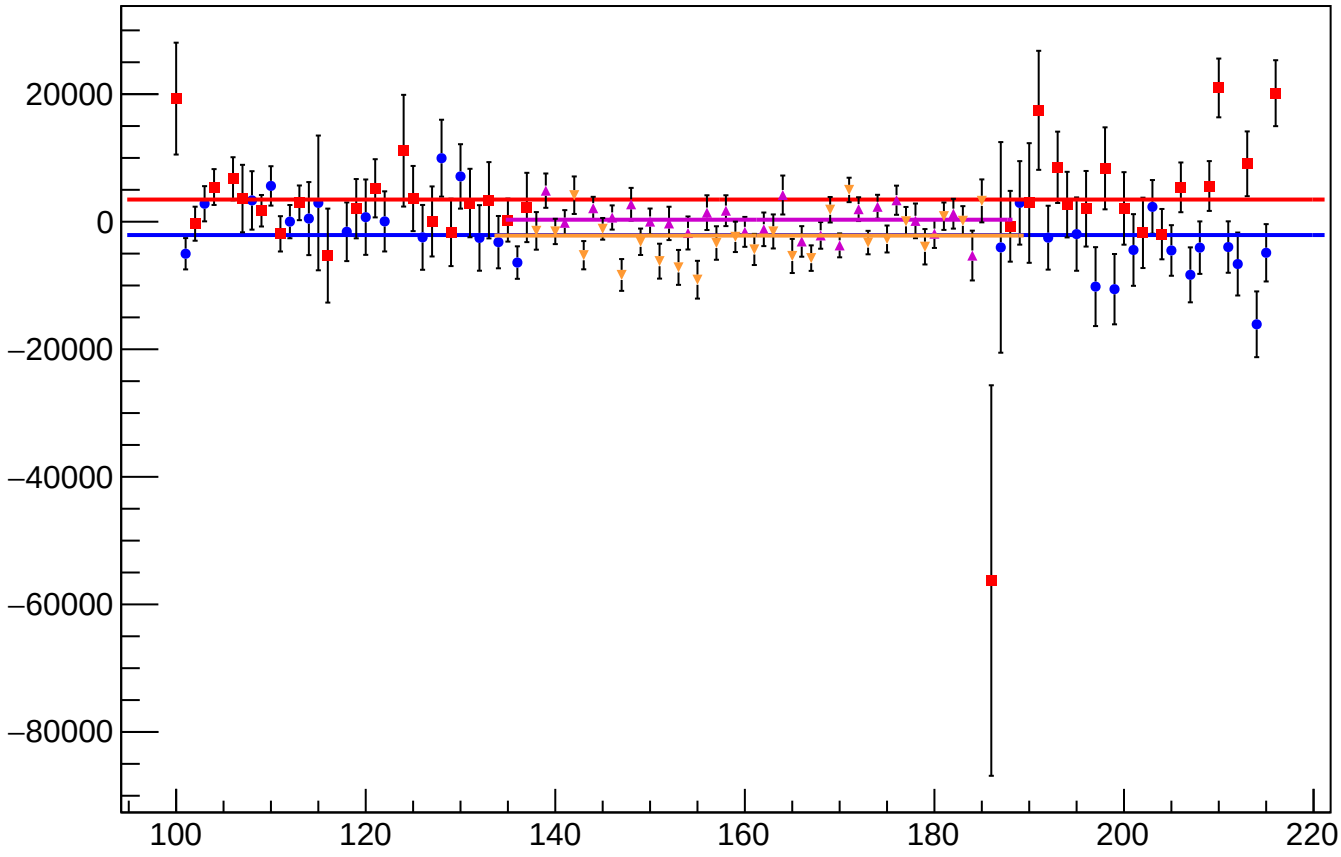
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 276.064+/-0.032 χ^2/NDF: 4256081.5/65

In: 269.348+/-0.032 χ^2/NDF:2374696.3/53

Out: 267.992+/-0.031 χ^2/NDF:3366673.8/59

All: 268.658+/-0.022 χ^2/NDF: 5742302.9/113



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: 3475.616+/-742.845 χ^2/NDF: 53.3/34

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

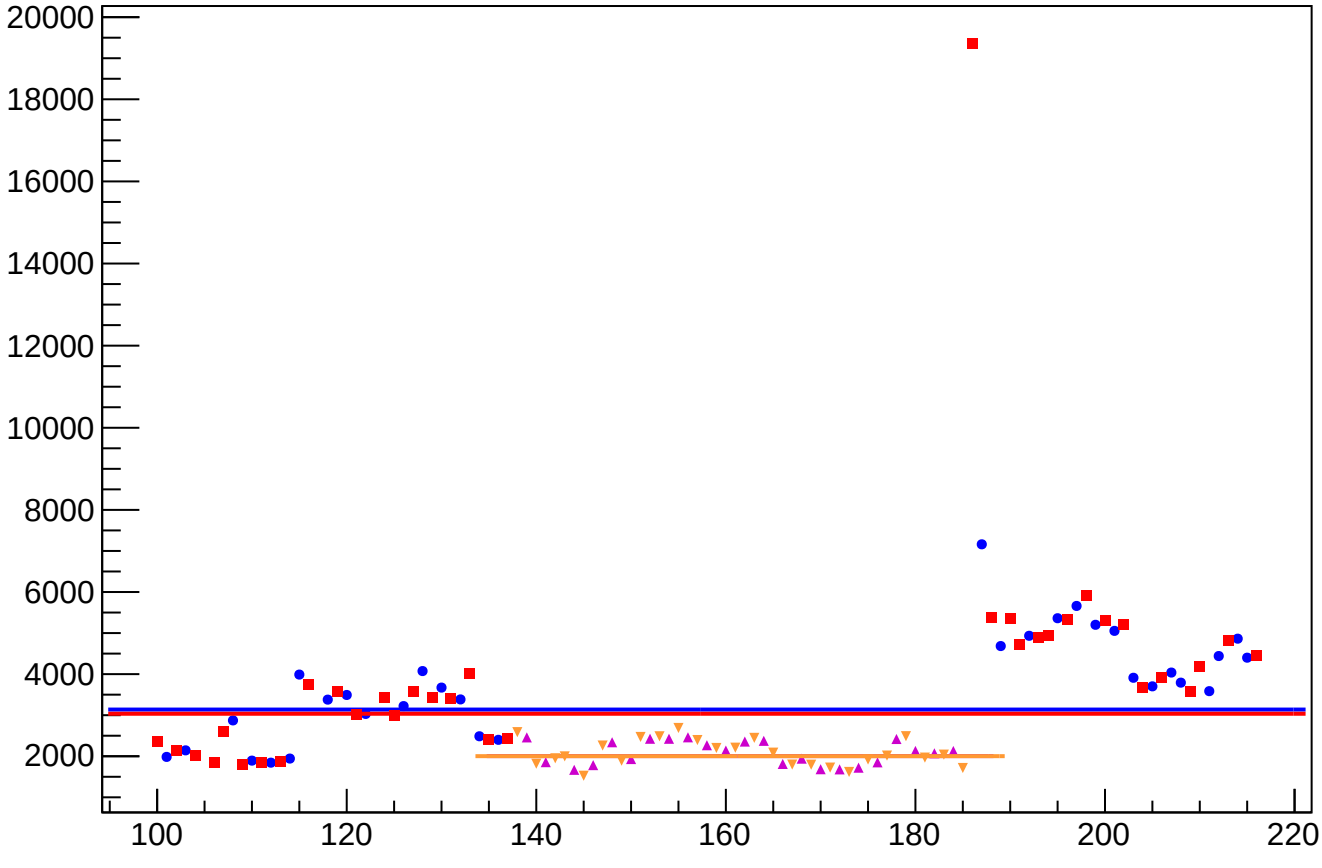
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 761.145+/-531.749 χ^2/NDF: 122.2/65

In: -358.085+/-402.465 χ^2/NDF:72.3/53

Out: -598.403+/-392.100 χ^2/NDF:150.5/59

All: -481.378+/-280.850 χ^2/NDF: 223.0/113



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: 3035.064+/-0.525 χ^2/NDF: 5893288.4/34

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

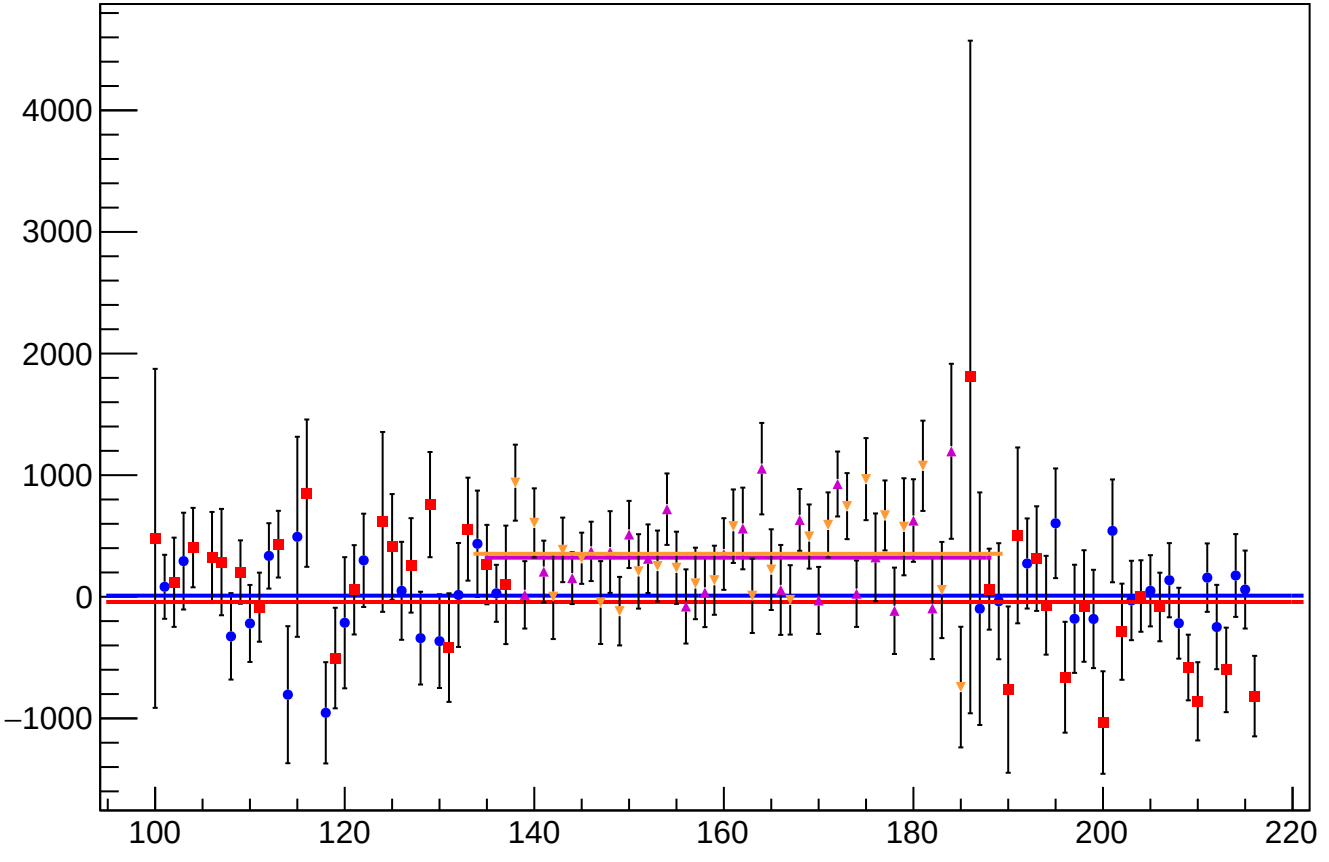
Right: 3084.846+/-0.376 χ^2/NDF: 10268711.1/65

In: 2320.690+/-0.285 χ^2/NDF:8252091.4/53

Out: 2289.987+/-0.277 χ^2/NDF:9575103.6/59

All: 2304.938+/-0.199 χ^2/NDF: 17833166.4/1

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: -42.898+/-64.475 χ^2/NDF: 49.9/34

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

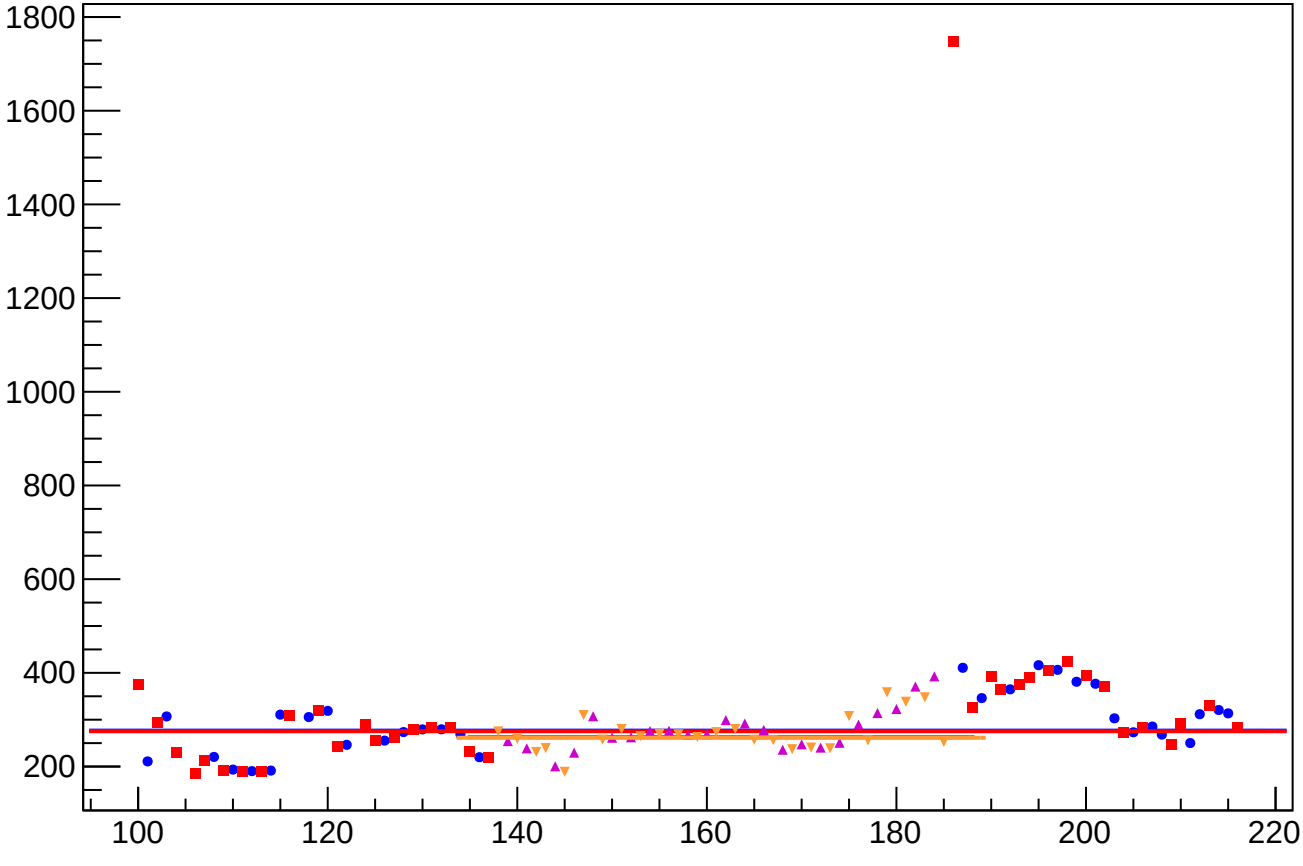
Right: -16.892+/-45.659 χ^2/NDF: 71.2/65

In: 171.680+/-44.796 χ^2/NDF:59.3/53

Out: 169.121+/-43.982 χ^2/NDF:102.5/59

All: 170.377+/-31.384 χ^2/NDF: 161.8/113

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: 275.427+/-0.046 χ^2/NDF: 2606618.4/34

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

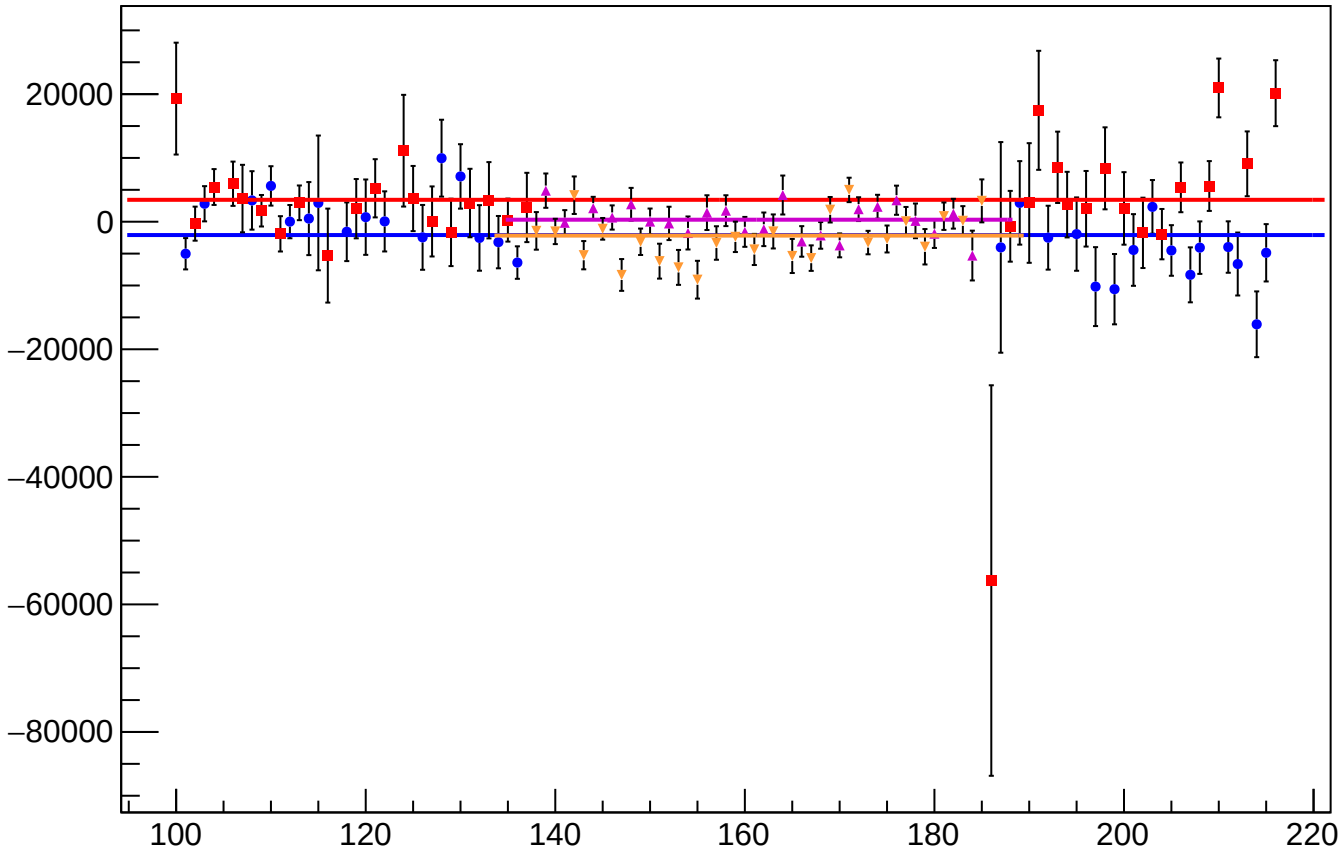
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 276.034+/-0.032 χ^2/NDF: 4262067.0/65

In: 269.348+/-0.032 χ^2/NDF:2374697.8/53

Out: 267.964+/-0.031 χ^2/NDF:3372198.3/59

All: 268.644+/-0.022 χ^2/NDF: 5747867.7/113



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: 3432.586+/-743.814 χ^2/NDF: 52.9/34

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

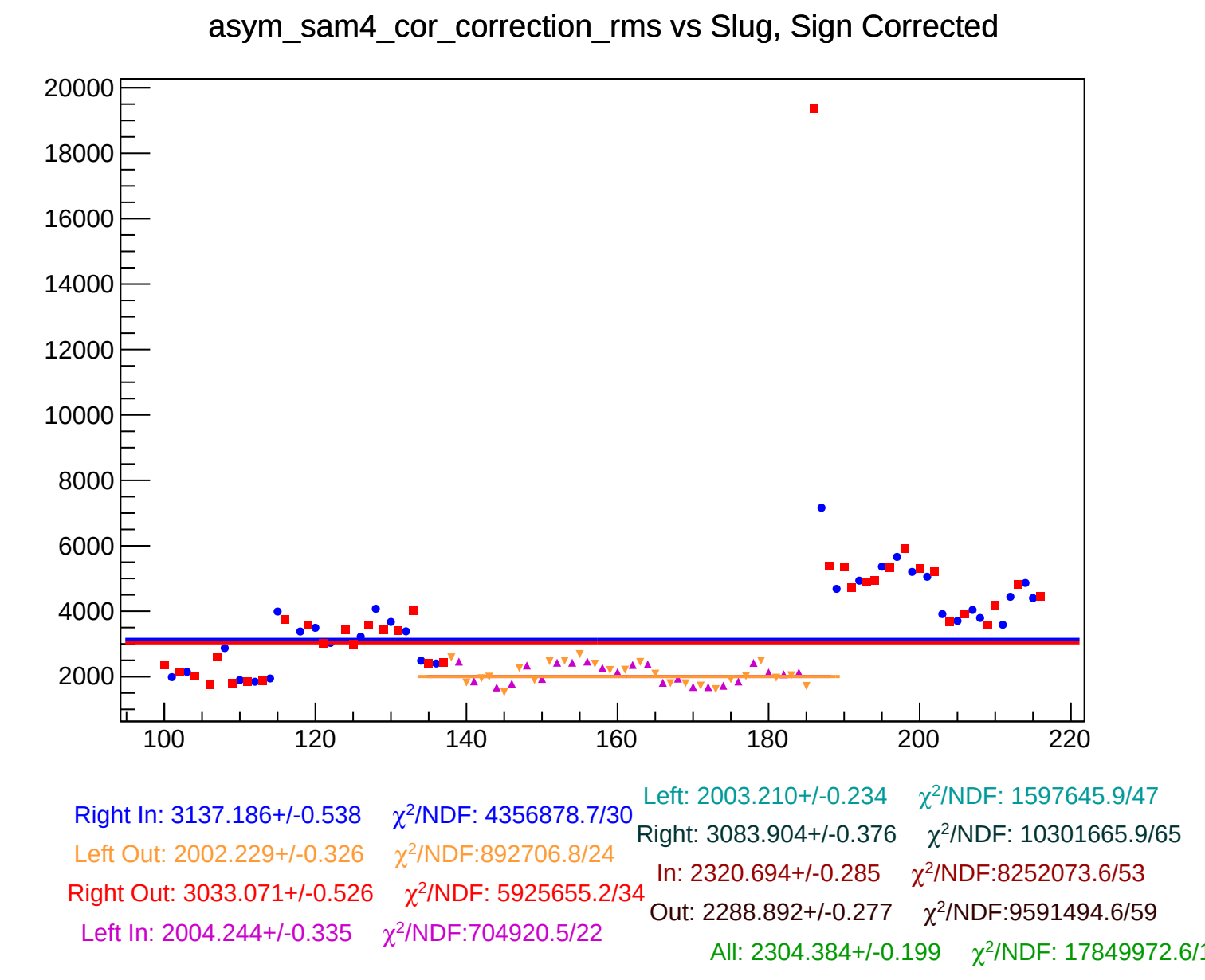
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

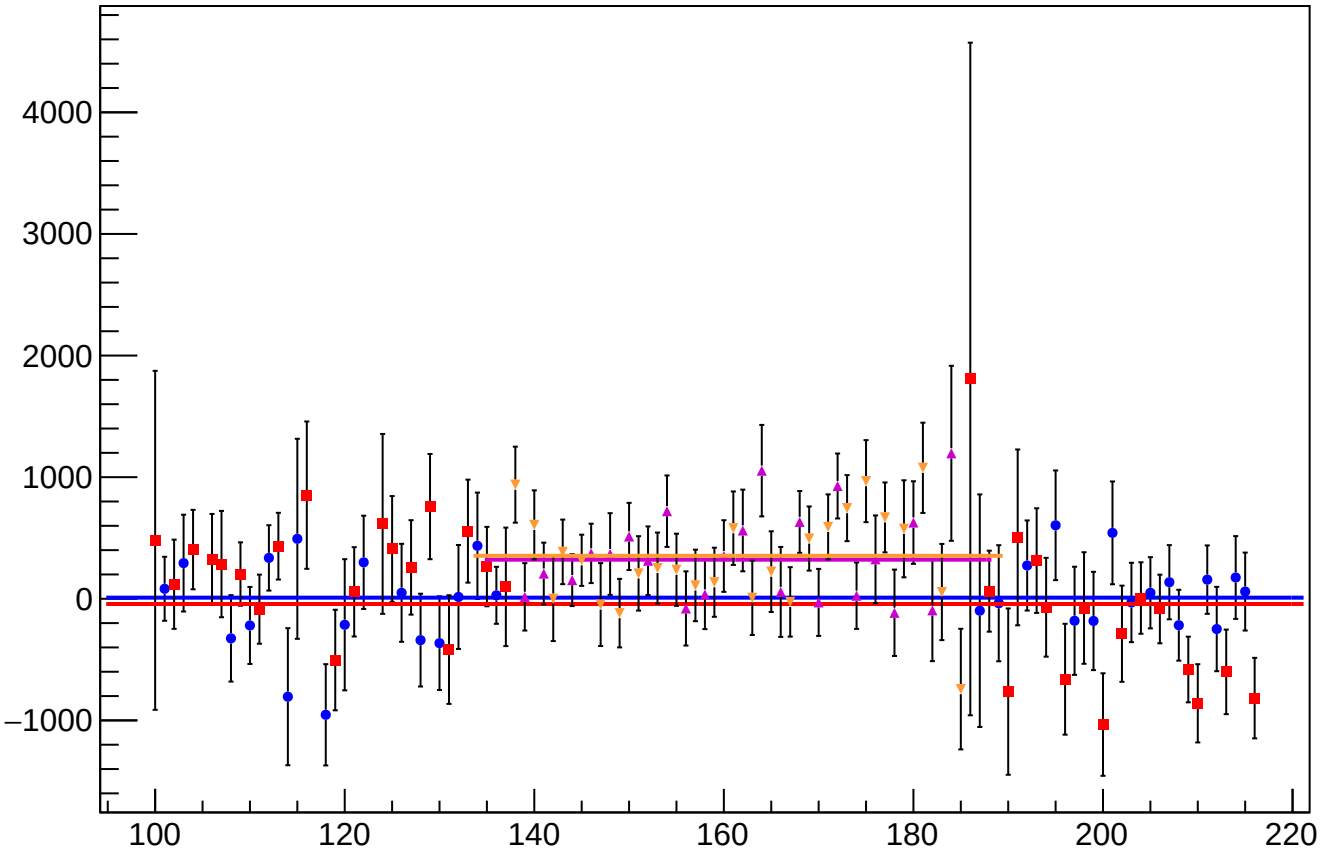
Right: 735.454+/-532.105 χ^2/NDF: 121.3/65

In: -358.110+/-402.466 χ^2/NDF:72.3/53

Out: -613.305+/-392.242 χ^2/NDF:149.4/59

All: -488.990+/-280.902 χ^2/NDF: 221.9/113


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: 3033.071+/-0.526 χ²/NDF: 5925655.2/34
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 3083.904+/-0.376 χ²/NDF: 10301665.9/65
In: 2320.694+/-0.285 χ²/NDF:8252073.6/53
Out: 2288.892+/-0.277 χ²/NDF:9591494.6/59
All: 2304.384+/-0.199 χ²/NDF: 17849972.6/



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: -42.898+/-64.475 χ^2/NDF: 49.9/34

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

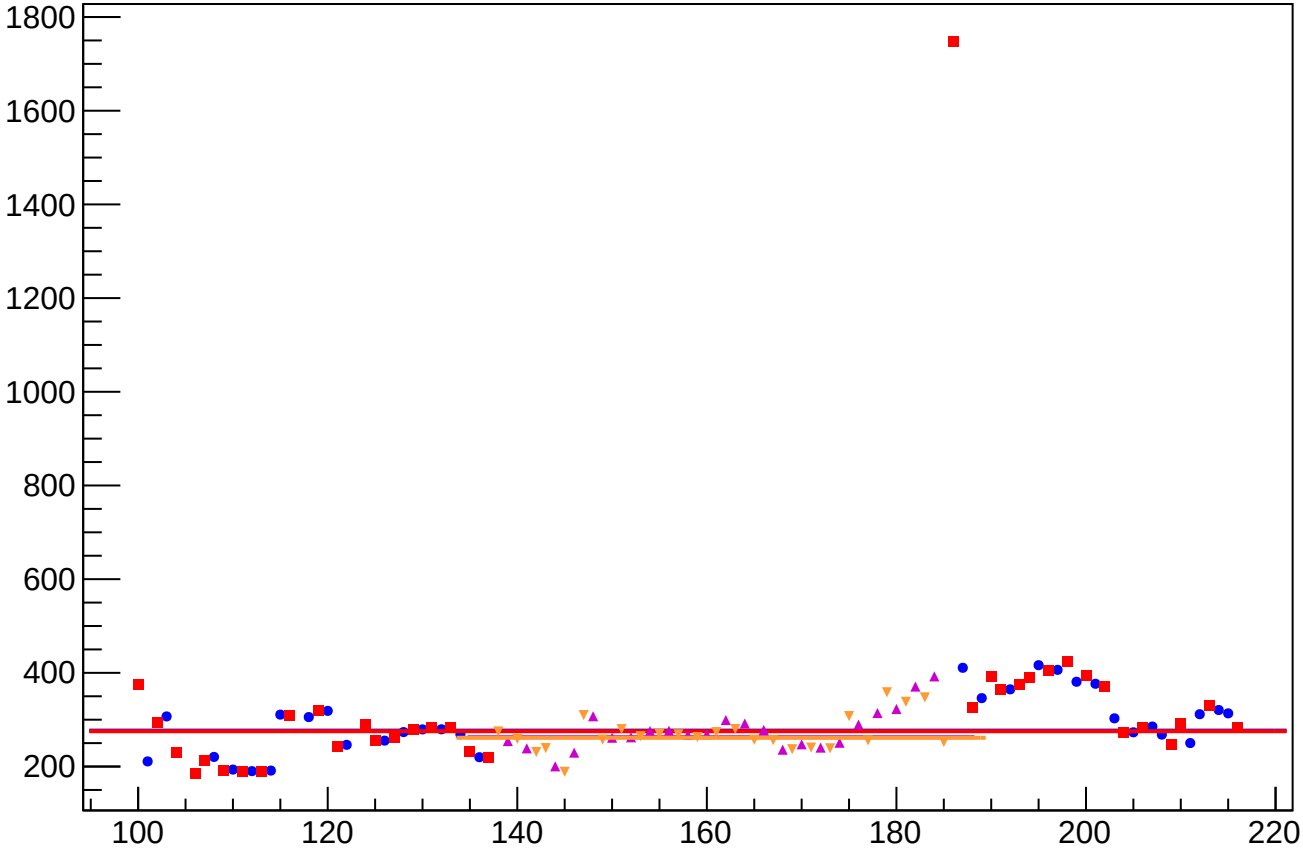
Right: -16.892+/-45.659 χ^2/NDF: 71.2/65

In: 171.680+/-44.796 χ^2/NDF:59.3/53

Out: 169.121+/-43.982 χ^2/NDF:102.5/59

All: 170.377+/-31.384 χ^2/NDF: 161.8/113

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: 275.427+/-0.046 χ^2/NDF: 2606618.4/34

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

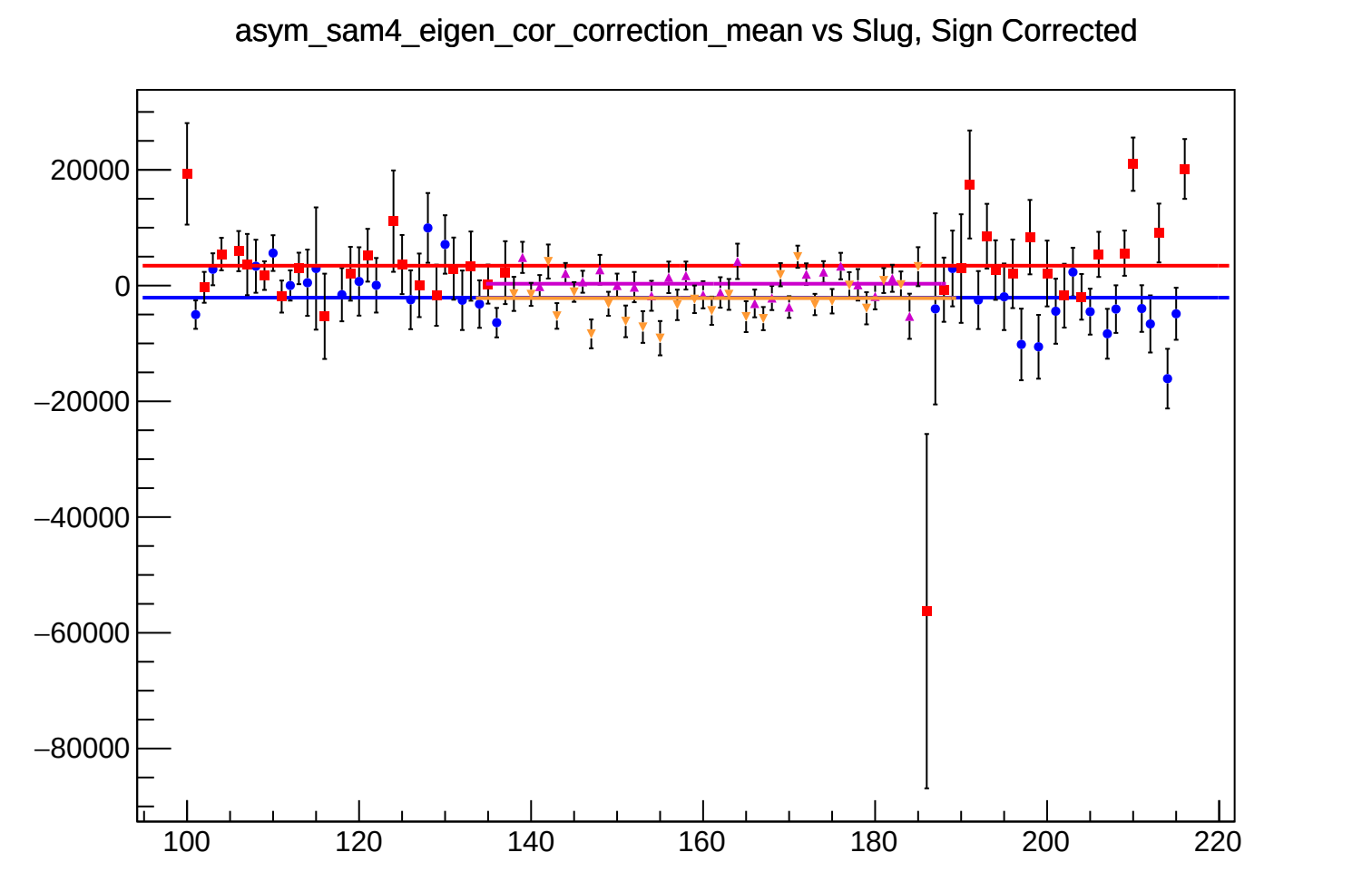
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 276.034+/-0.032 χ^2/NDF: 4262067.0/65

In: 269.348+/-0.032 χ^2/NDF:2374697.8/53

Out: 267.964+/-0.031 χ^2/NDF:3372198.3/59

All: 268.644+/-0.022 χ^2/NDF: 5747867.7/113



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: 3432.586+/-743.814 χ^2/NDF: 52.9/34

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

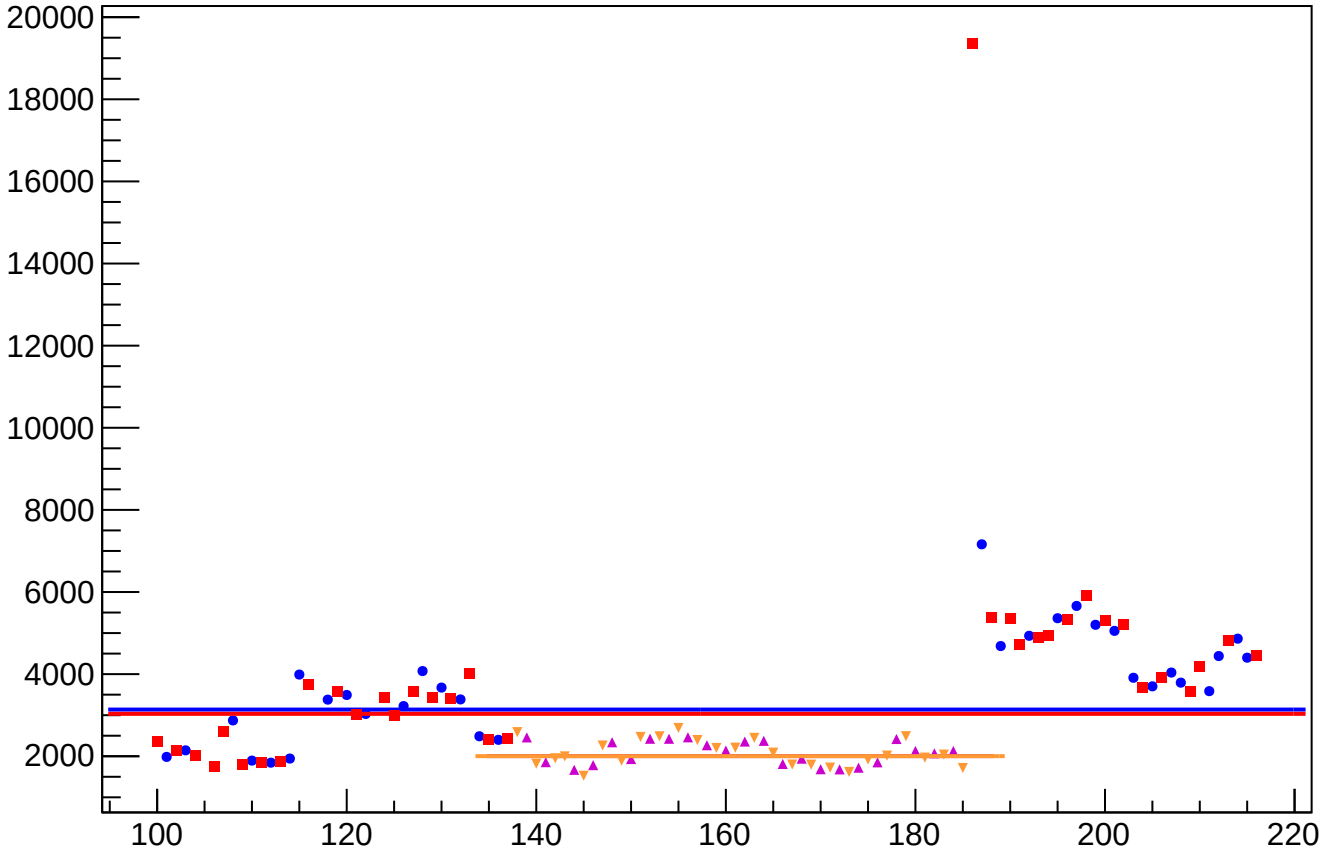
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 735.454+/-532.105 χ^2/NDF: 121.3/65

In: -358.110+/-402.466 χ^2/NDF:72.3/53

Out: -613.305+/-392.242 χ^2/NDF:149.4/59

All: -488.990+/-280.902 χ^2/NDF: 221.9/113



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: 3033.071+/-0.526 χ^2/NDF: 5925655.2/34

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

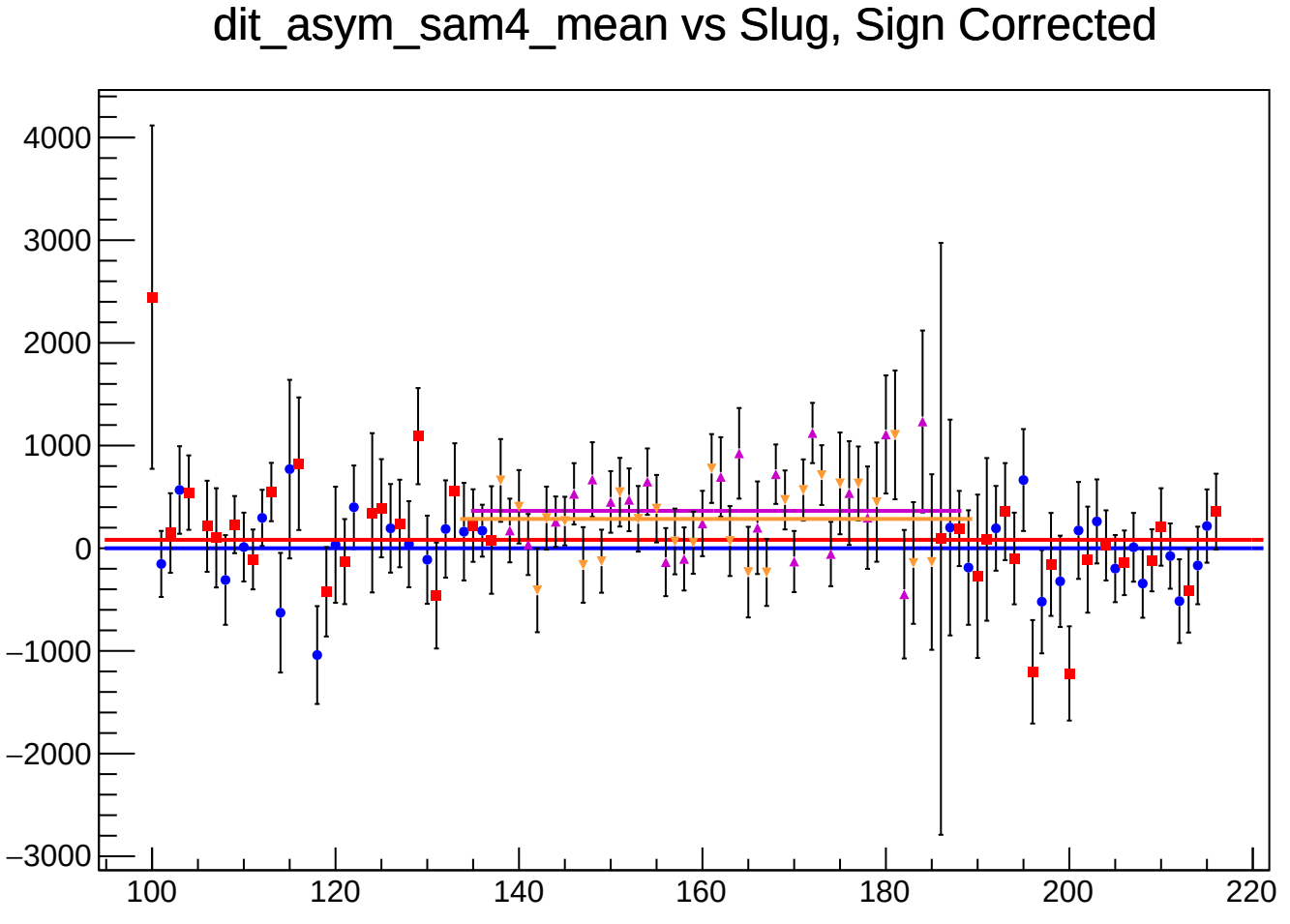
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 3083.904+/-0.376 χ^2/NDF: 10301665.9/65

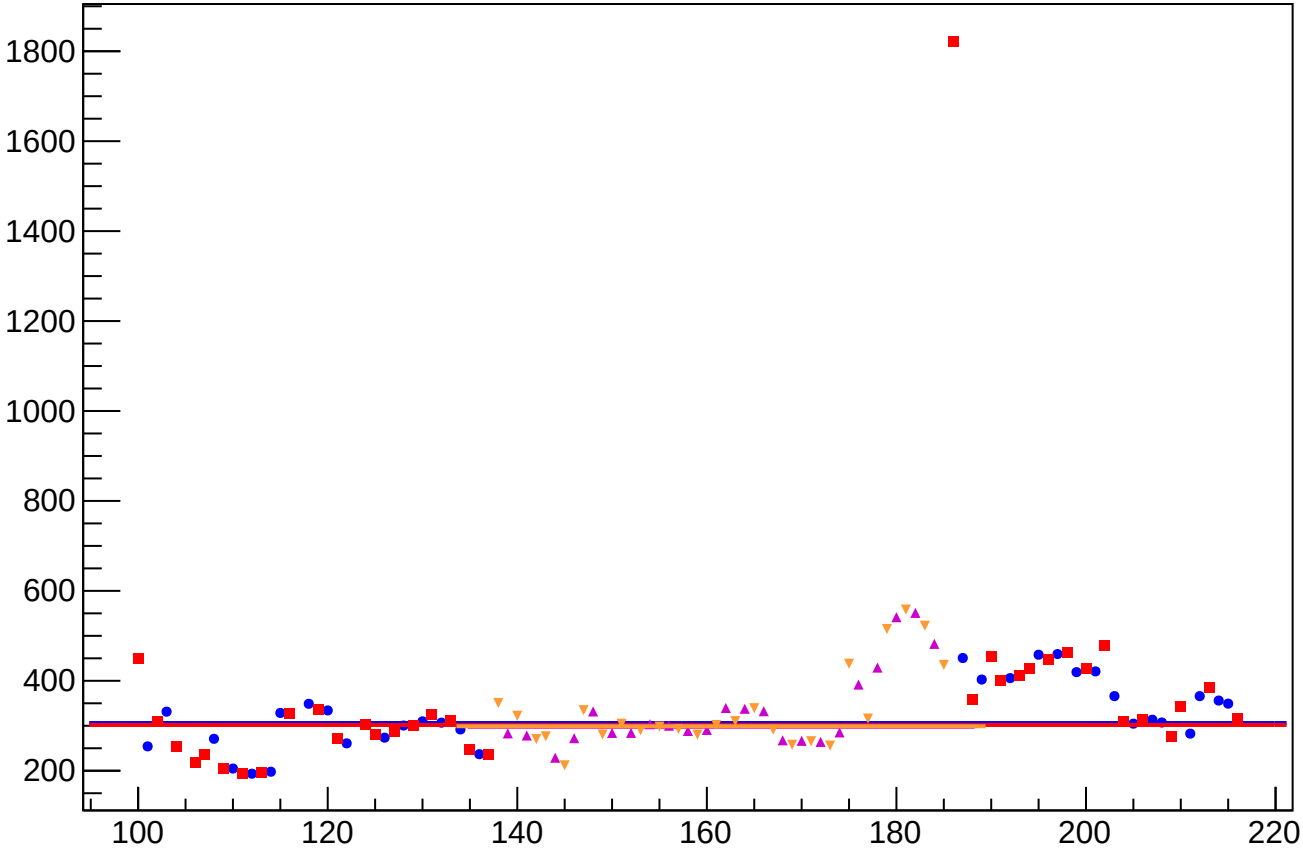
In: 2320.694+/-0.285 χ^2/NDF:8252073.6/53

Out: 2288.892+/-0.277 χ^2/NDF:9591494.6/59

All: 2304.384+/-0.199 χ^2/NDF: 17849972.6/


dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
220
Right In: -0.428+/-71.960 χ²/NDF: 20.3/30
Left Out: 284.913+/-70.036 χ²/NDF:22.8/24
Right Out: 81.844+/-71.180 χ²/NDF: 36.5/34
Left In: 364.163+/-71.714 χ²/NDF:28.2/22
Left: 323.600+/-50.106 χ²/NDF: 51.7/47
Right: 41.156+/-50.606 χ²/NDF: 57.5/65
In: 182.494+/-50.796 χ²/NDF:61.4/53
Out: 185.023+/-49.923 χ²/NDF:63.5/59
All: 183.780+/-35.605 χ²/NDF: 124.8/113

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: 301.799+/-0.050 χ^2/NDF: 2937965.7/34

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

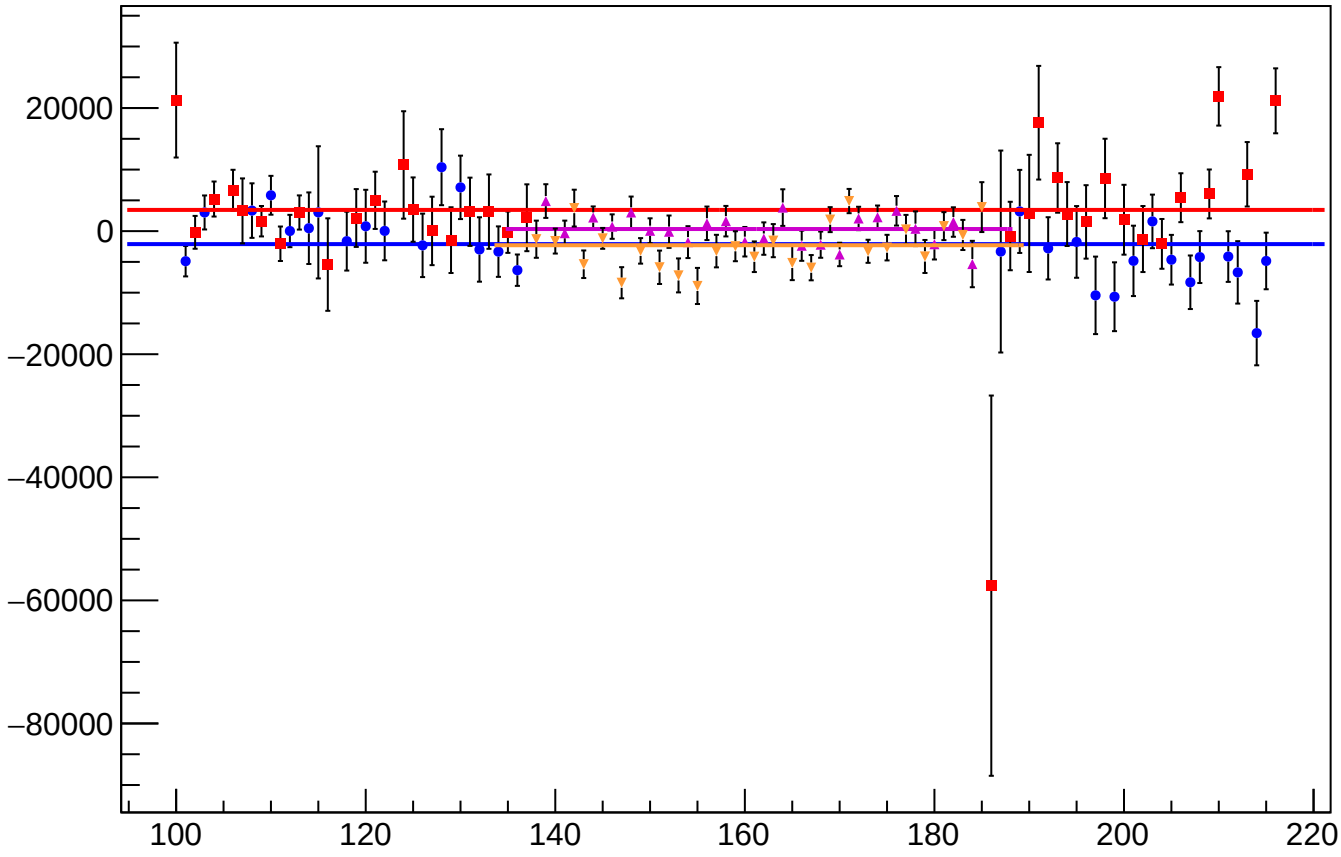
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 303.931+/-0.036 χ^2/NDF: 4813916.6/65

In: 301.984+/-0.036 χ^2/NDF:3204494.1/53

Out: 300.345+/-0.035 χ^2/NDF:4552684.7/59

All: 301.150+/-0.025 χ^2/NDF: 7758237.5/113



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: 3446.492+/-749.815 χ^2/NDF: 55.4/34

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

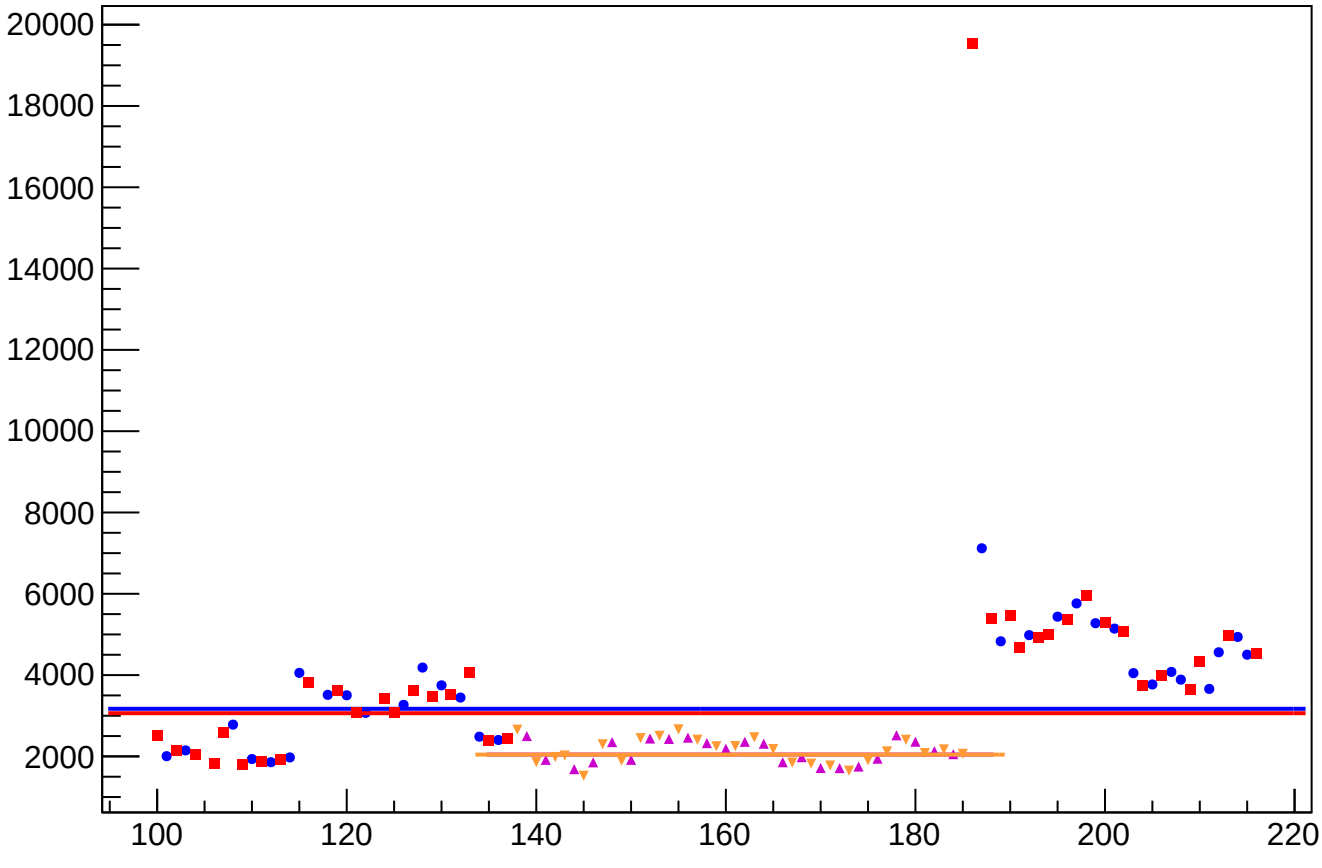
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 745.273+/-537.473 χ^2/NDF: 123.8/65

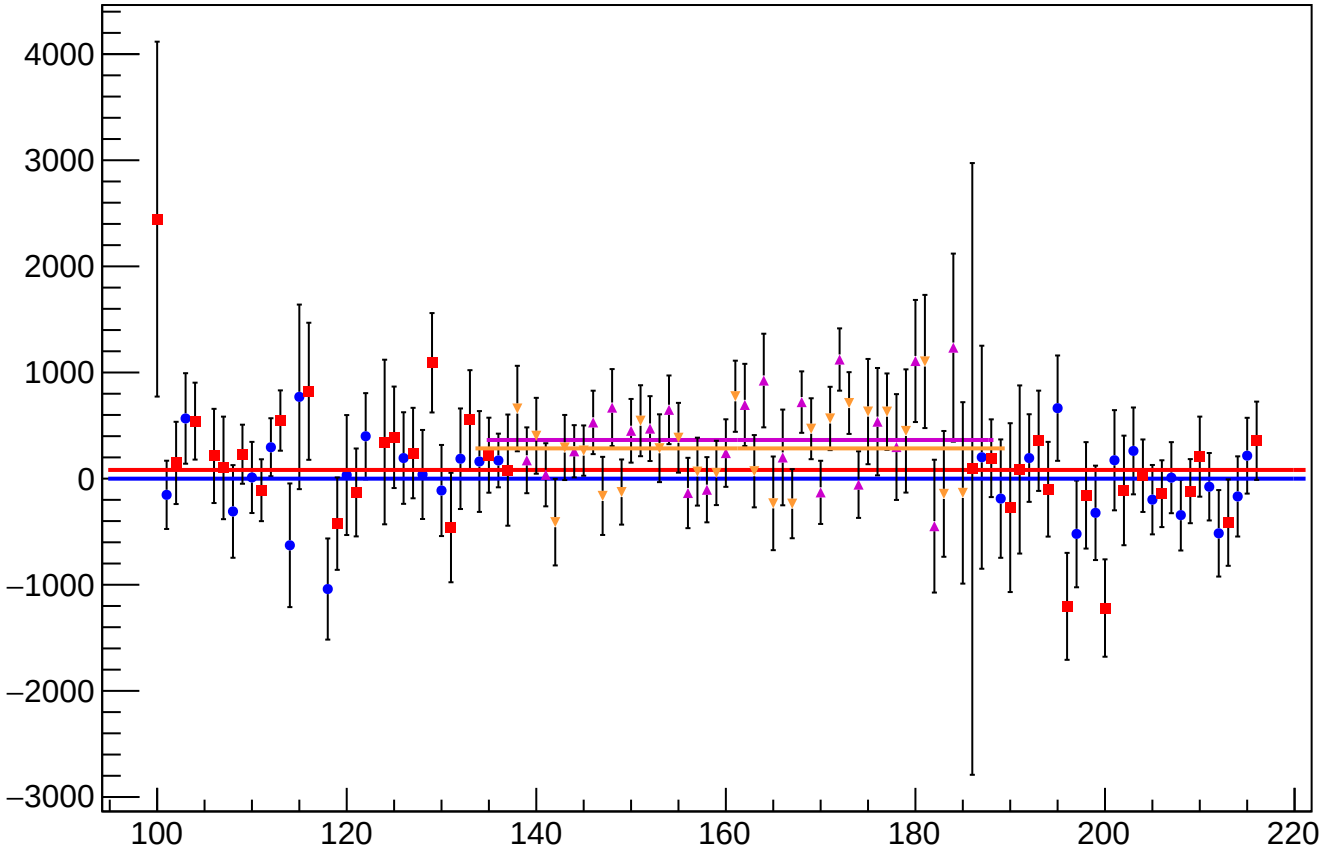
In: -349.950+/-409.656 χ^2/NDF:71.8/53

Out: -670.028+/-398.548 χ^2/NDF:149.1/59

All: -514.387+/-285.662 χ^2/NDF: 221.2/113


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: 3062.199+/-0.530 χ²/NDF: 5938129.2/34
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 3115.097+/-0.380 χ²/NDF: 10438467.3/65
In: 2363.157+/-0.290 χ²/NDF:8231463.4/53
Out: 2331.481+/-0.282 χ²/NDF:9438877.1/59
All: 2346.884+/-0.202 χ²/NDF: 17676483.9/1

eigen_dit_asym_sam4_mean vs Slug, Sign Corrected



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: 81.840+/-71.180 χ^2/NDF: 36.5/34

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

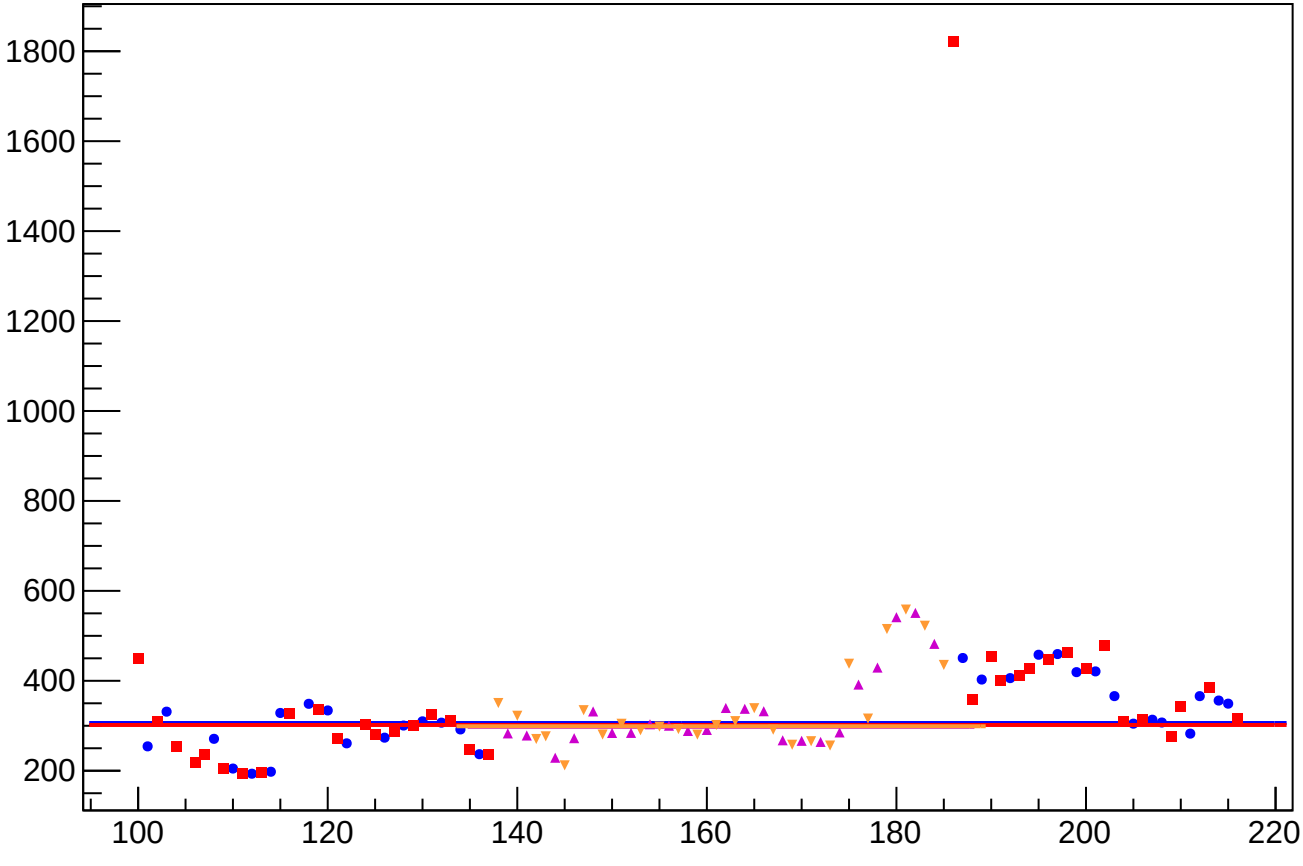
Right: 41.157+/-50.606 χ^2/NDF: 57.5/65

In: 182.497+/-50.796 χ^2/NDF:61.4/53

Out: 185.023+/-49.923 χ^2/NDF:63.5/59

All: 183.782+/-35.605 χ^2/NDF: 124.8/113

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: 301.799+/-0.050 χ^2/NDF: 2937967.4/34

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

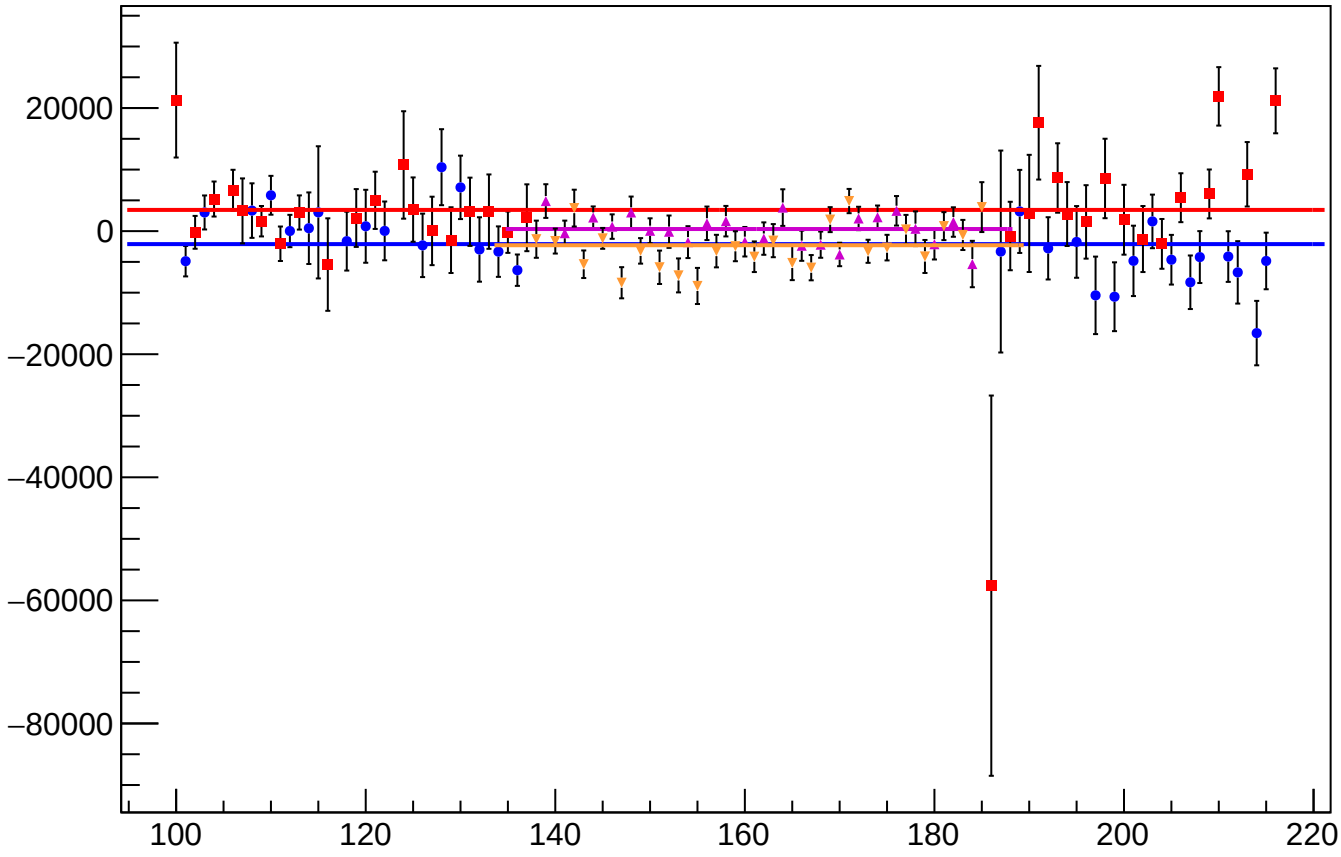
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 303.931+/-0.036 χ^2/NDF: 4813898.0/65

In: 301.984+/-0.036 χ^2/NDF:3204454.4/53

Out: 300.345+/-0.035 χ^2/NDF:4552683.2/59

All: 301.150+/-0.025 χ^2/NDF: 7758196.3/113



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: 3446.487+/-749.815 χ^2/NDF: 55.4/34

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

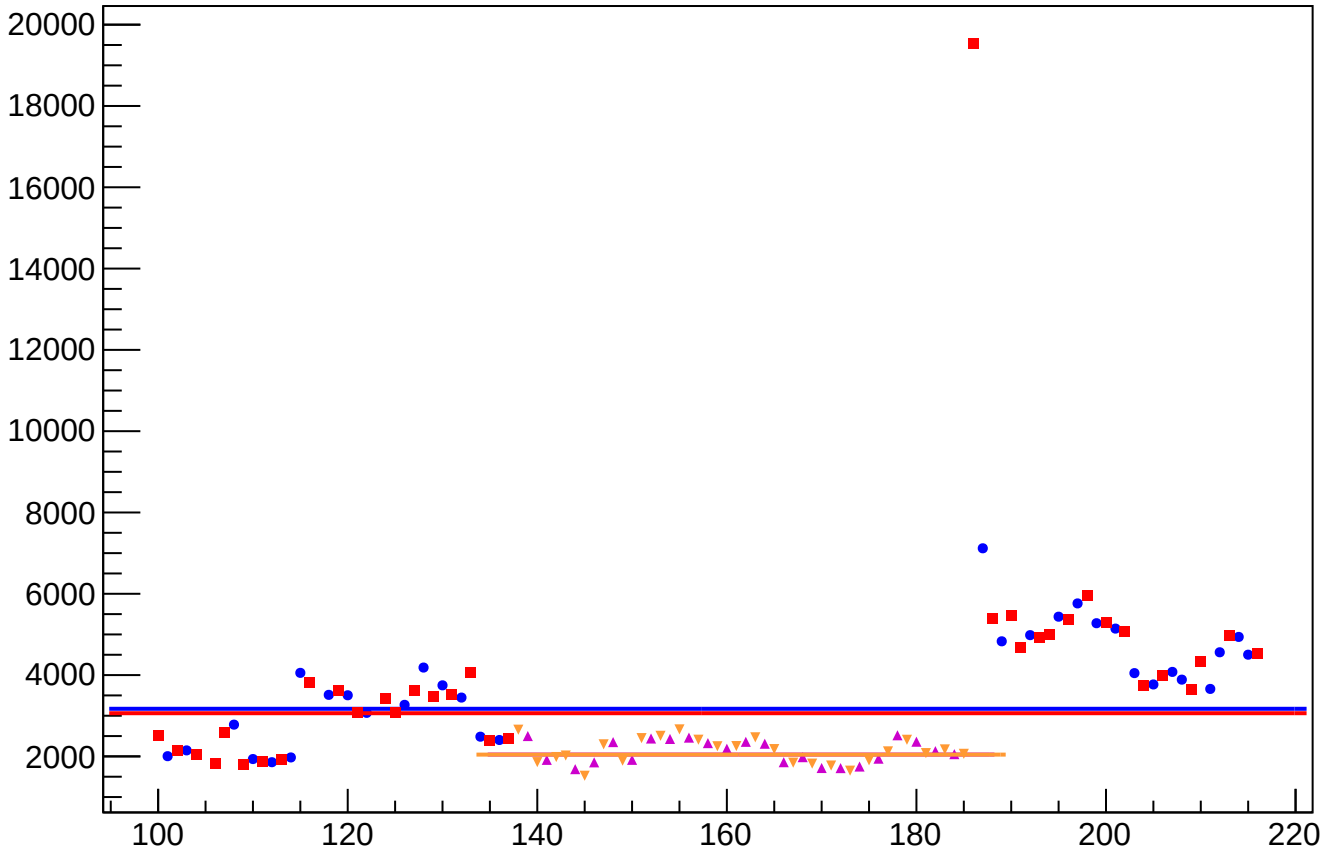
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 745.272+/-537.473 χ^2/NDF: 123.8/65

In: -349.950+/-409.656 χ^2/NDF:71.8/53

Out: -670.027+/-398.547 χ^2/NDF:149.1/59

All: -514.387+/-285.662 χ^2/NDF: 221.2/113



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: 3062.197+/-0.530 χ^2/NDF: 5938125.3/34

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

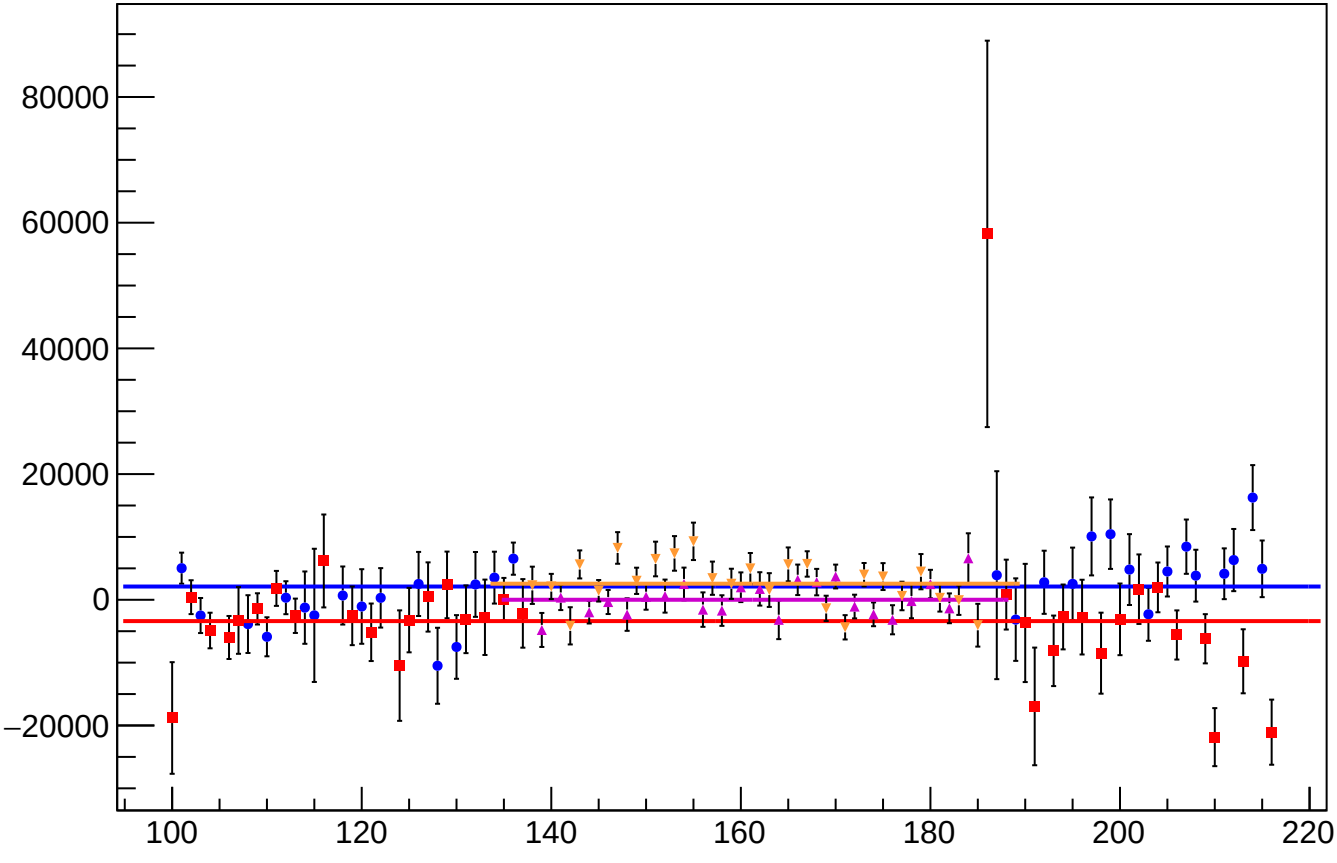
Right: 3115.095+/-0.380 χ^2/NDF: 10438460.3/65

In: 2363.154+/-0.290 χ^2/NDF:8231468.2/53

Out: 2331.478+/-0.282 χ^2/NDF:9438885.4/59

All: 2346.881+/-0.202 χ^2/NDF: 17676497.1/1

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: -3391.317+/-746.626 χ^2/NDF: 56.1/34

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

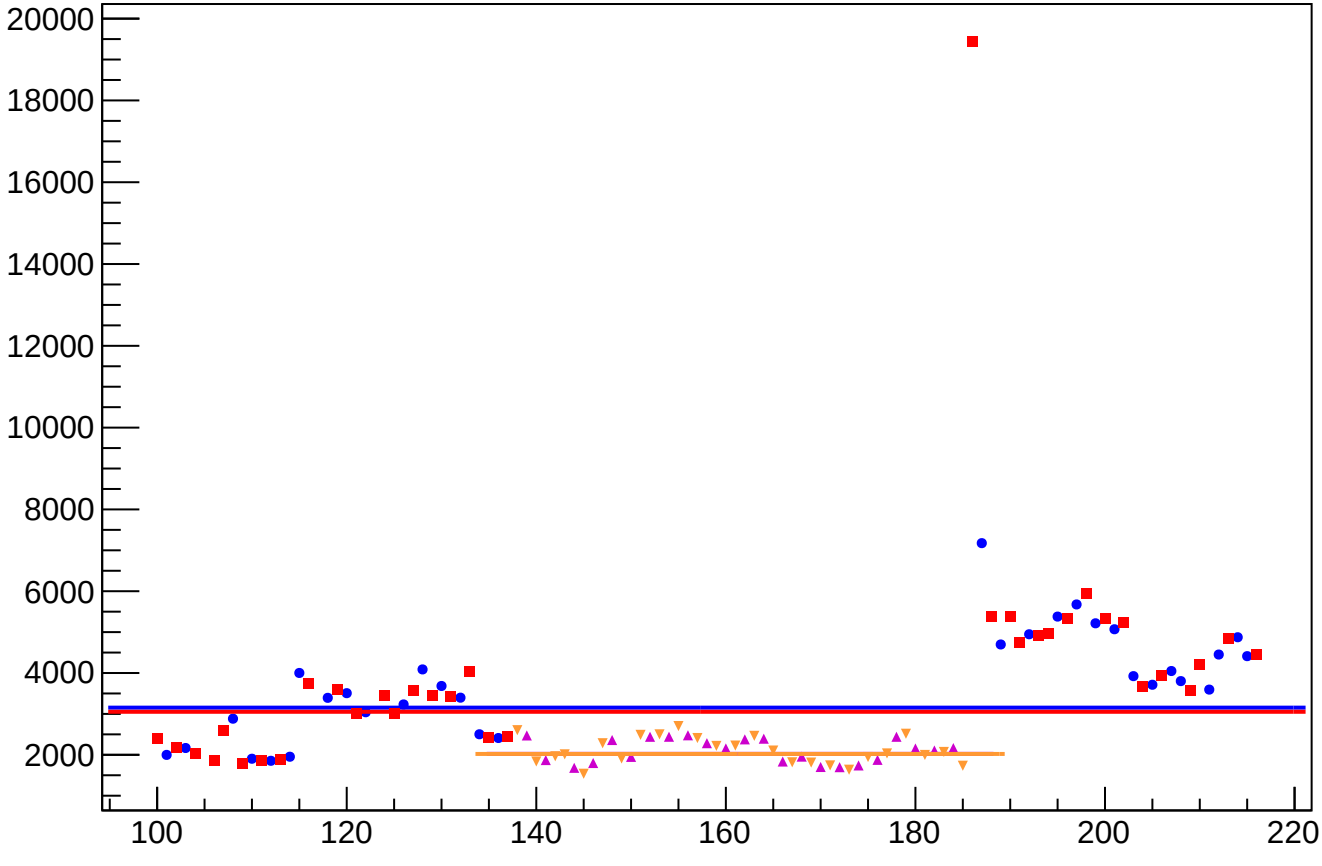
Right: -707.718+/-534.319 χ^2/NDF: 125.2/65

In: 595.764+/-405.685 χ^2/NDF:72.6/53

Out: 891.187+/-395.286 χ^2/NDF:154.5/59

All: 747.311+/-283.114 χ^2/NDF: 227.5/113

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: 3052.221+/-0.528 χ^2/NDF: 5848135.4/34

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

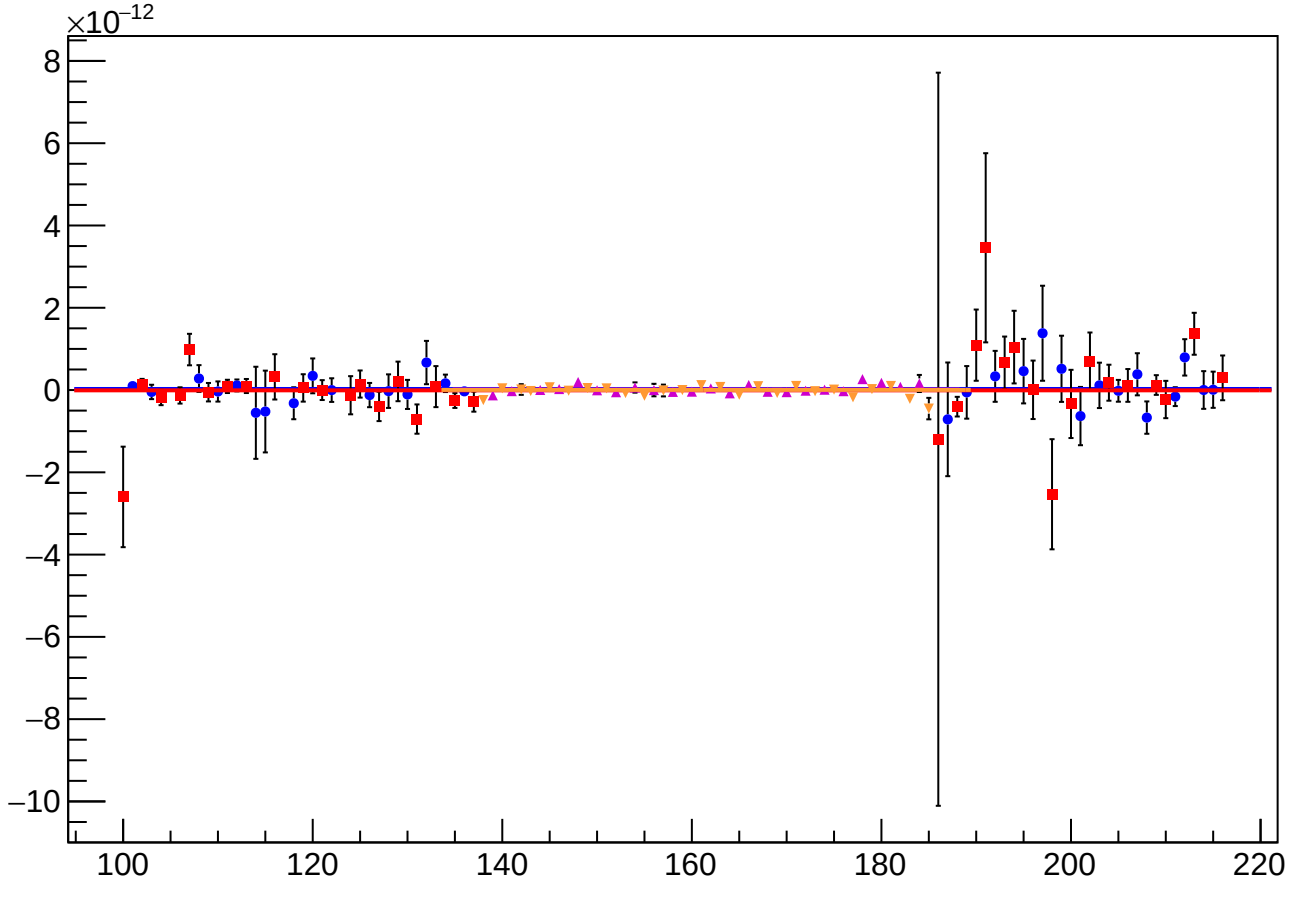
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 3101.521+/-0.378 χ^2/NDF: 10185444.1/65

In: 2341.074+/-0.287 χ^2/NDF:8152076.6/53

Out: 2310.238+/-0.280 χ^2/NDF:9473973.6/59

All: 2325.256+/-0.200 χ^2/NDF: 17631977.4/1



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: 45.6/34

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

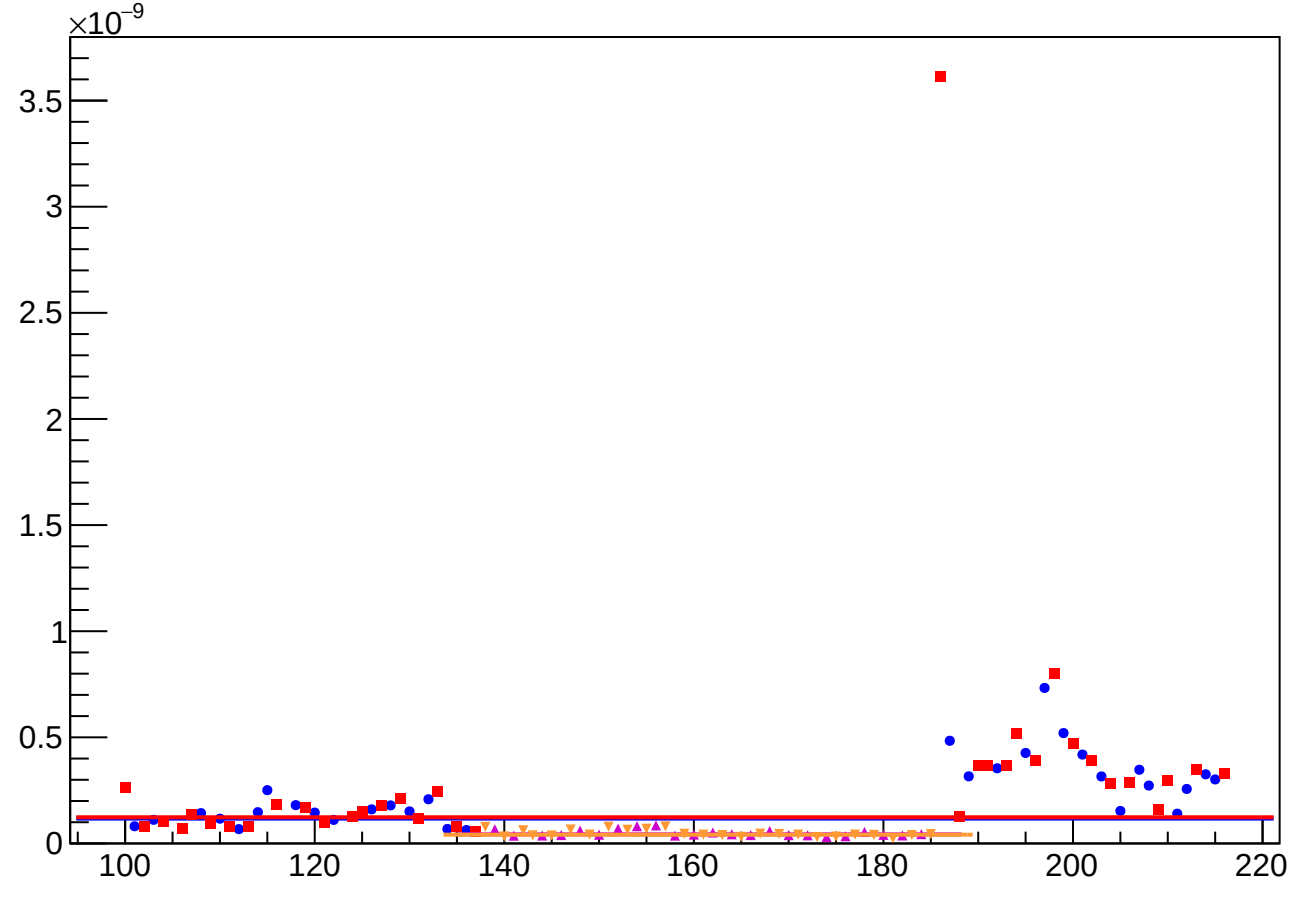
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 62.8/65

In: 0.000+/-0.000 χ^2/NDF:37.9/53

Out: 0.000+/-0.000 χ^2/NDF:77.8/59

All: 0.000+/-0.000 χ^2/NDF: 115.9/113



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: 5554964.9/34

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

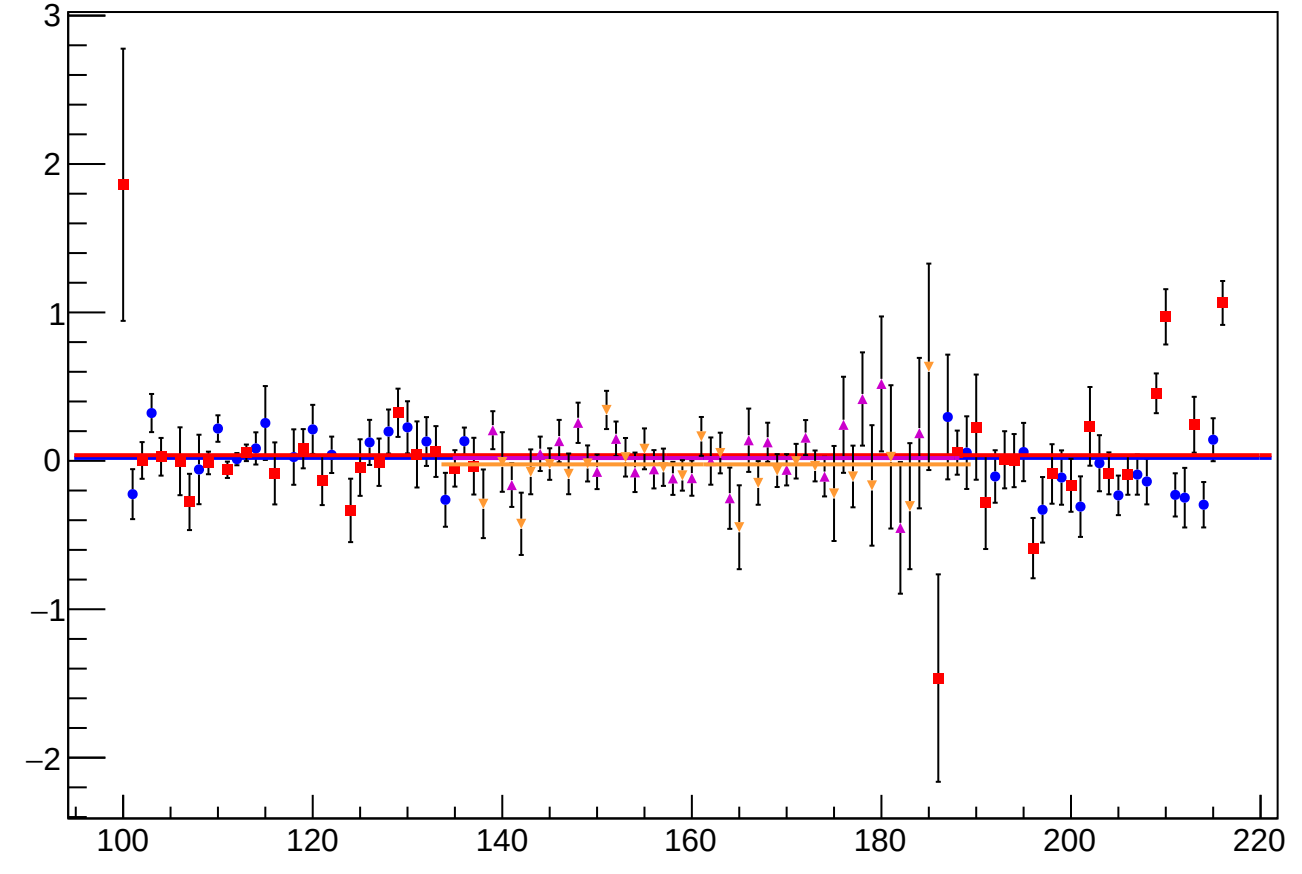
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11386579.7/65

In: 0.000+/-0.000 χ^2/NDF:11004439.8/53

Out: 0.000+/-0.000 χ^2/NDF:11565998.2/59

All: 0.000+/-0.000 χ^2/NDF: 22598135.0/113



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: 0.038+/-0.023 χ^2/NDF: 122.6/34

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

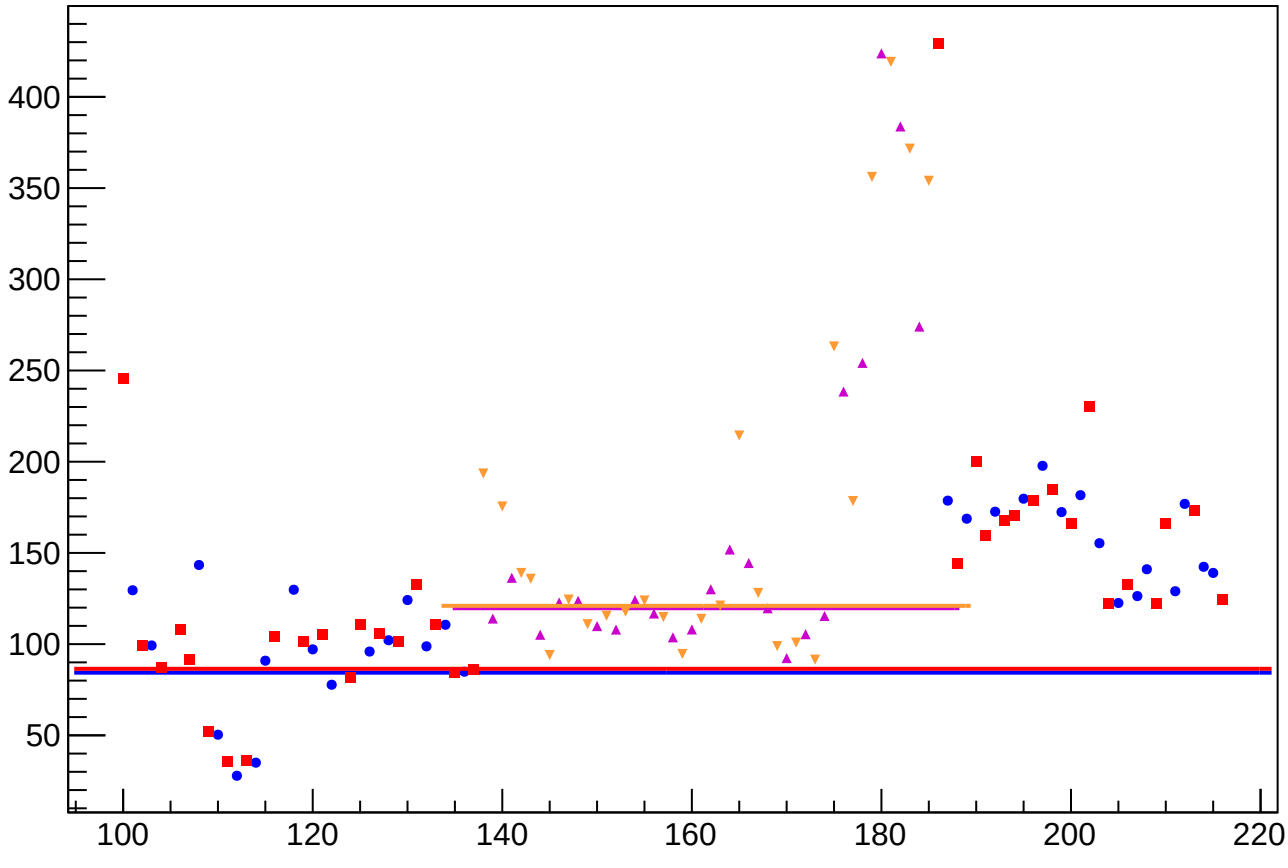
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.029+/-0.016 χ^2/NDF: 167.5/65

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: 0.015+/-0.018 χ^2/NDF:147.4/59

All: 0.017+/-0.013 χ^2/NDF: 215.2/113



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: 86.484+/-0.016 χ^2/NDF: 9320372.9/34

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

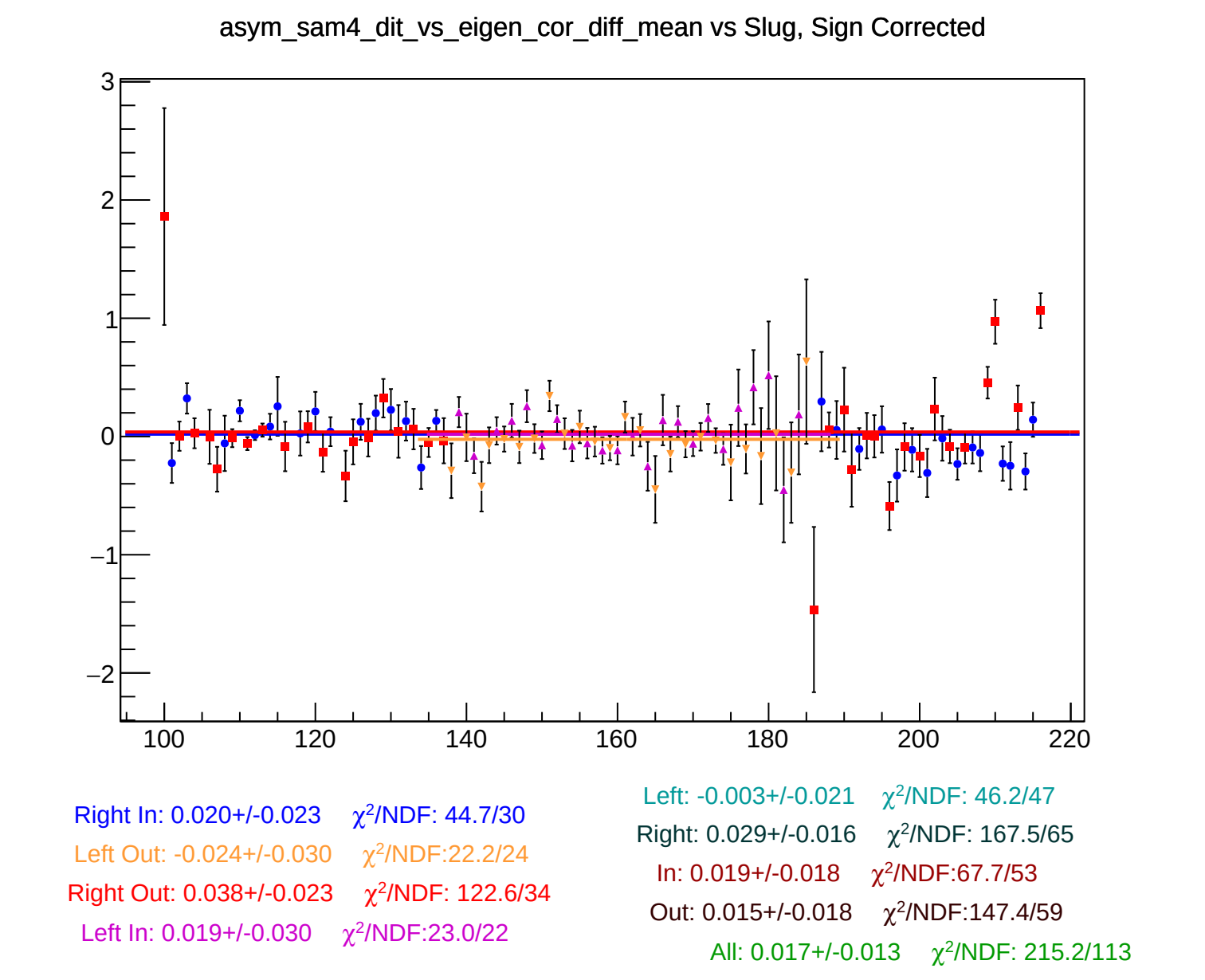
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 85.422+/-0.012 χ^2/NDF: 19288101.9/65

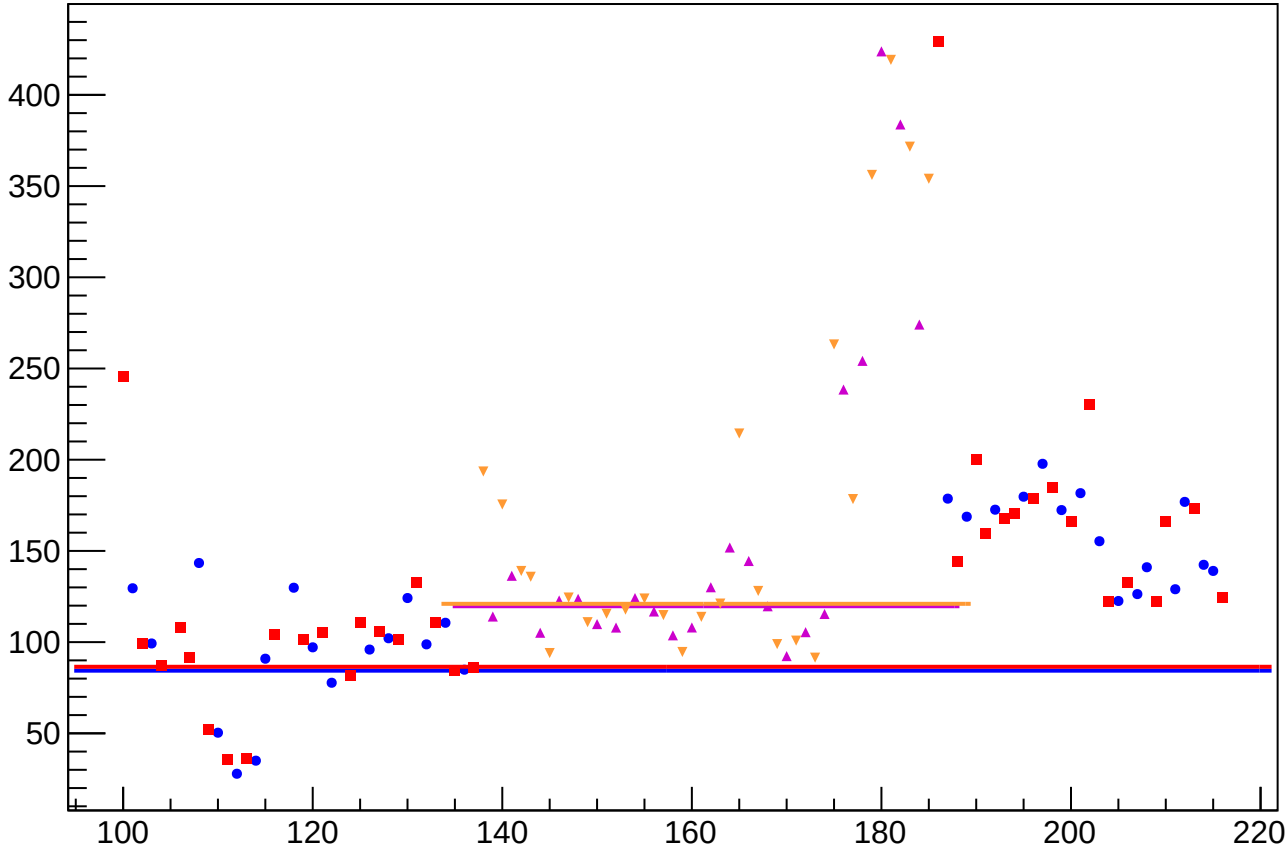
In: 97.405+/-0.013 χ^2/NDF:14519879.4/53

Out: 99.393+/-0.013 χ^2/NDF:15083624.6/59

All: 98.404+/-0.009 χ^2/NDF: 29615259.9/113


asym_sam4_dit_vs_eigen_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: 0.038+/-0.023 χ²/NDF: 122.6/34
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.029+/-0.016 χ²/NDF: 167.5/65
In: 0.019+/-0.018 χ²/NDF:67.7/53
Out: 0.015+/-0.018 χ²/NDF:147.4/59
All: 0.017+/-0.013 χ²/NDF: 215.2/113

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: 86.484+/-0.016 χ^2/NDF: 9320372.9/34

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

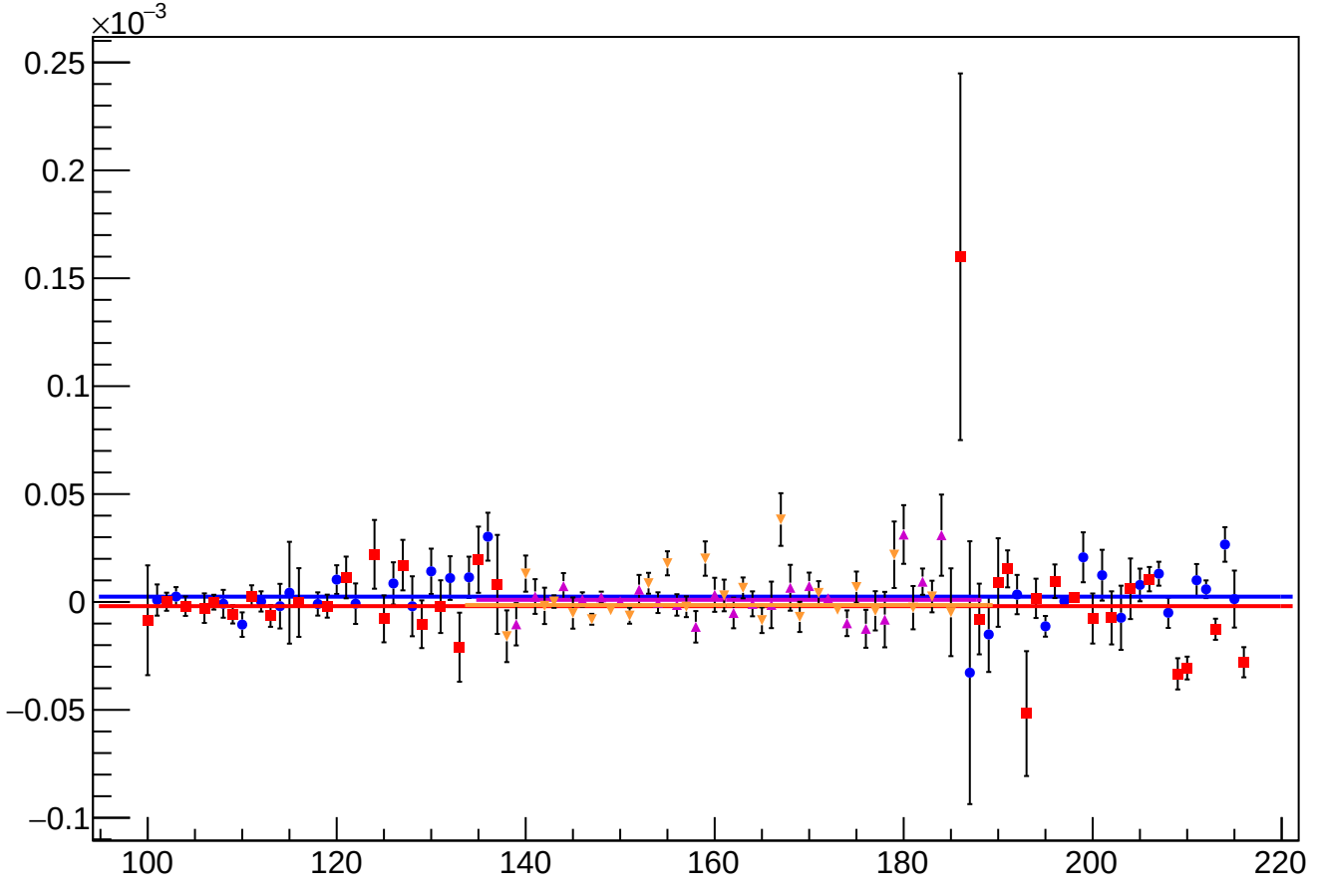
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 85.422+/-0.012 χ^2/NDF: 19288101.9/65

In: 97.405+/-0.013 χ^2/NDF:14519879.4/53

Out: 99.393+/-0.013 χ^2/NDF:15083624.6/59

All: 98.404+/-0.009 χ^2/NDF: 29615259.9/113



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: 106.6/34

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

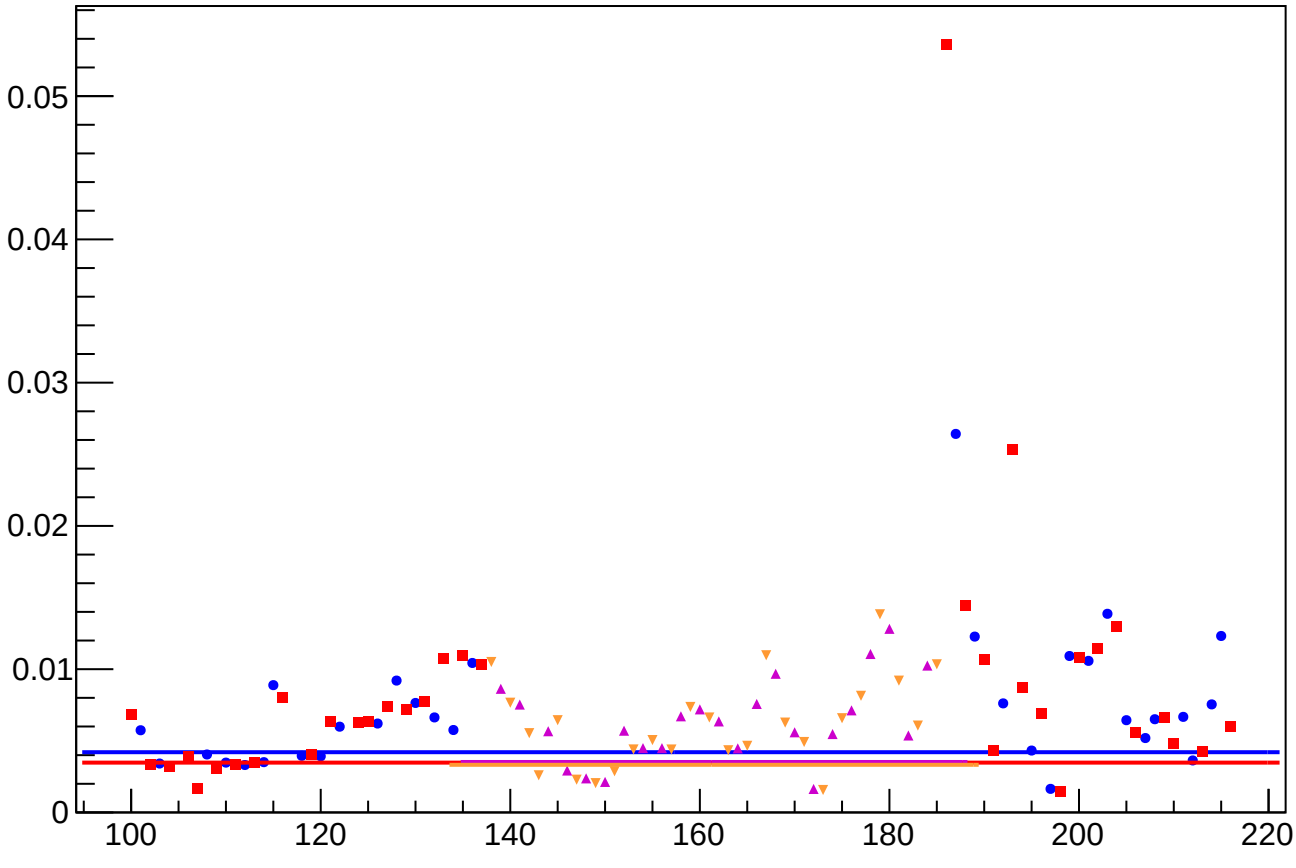
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: -0.000+/-0.000 χ^2/NDF: 162.8/65

In: 0.000+/-0.000 χ^2/NDF:73.2/53

Out: -0.000+/-0.000 χ^2/NDF:167.2/59

All: -0.000+/-0.000 χ^2/NDF: 251.1/113



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: 13566427.4/34

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

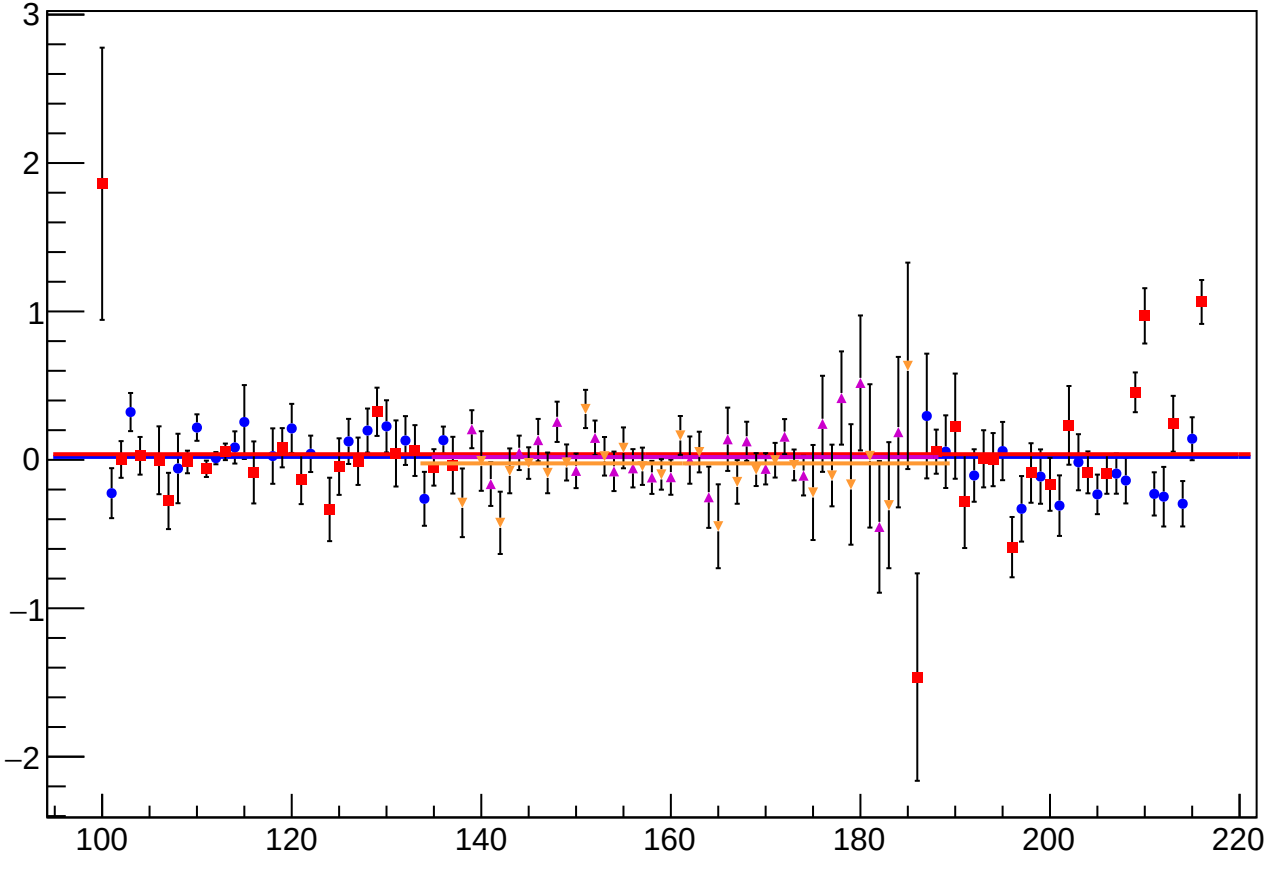
Right: 0.004+/-0.000 χ^2/NDF: 23482039.6/65

In: 0.004+/-0.000 χ^2/NDF:19289647.4/53

Out: 0.003+/-0.000 χ^2/NDF:24078030.1/59

All: 0.004+/-0.000 χ^2/NDF: 43716551.9/113

asym_sam4_eigen_dit_vs_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: 0.038+/-0.023 χ^2/NDF: 122.6/34

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

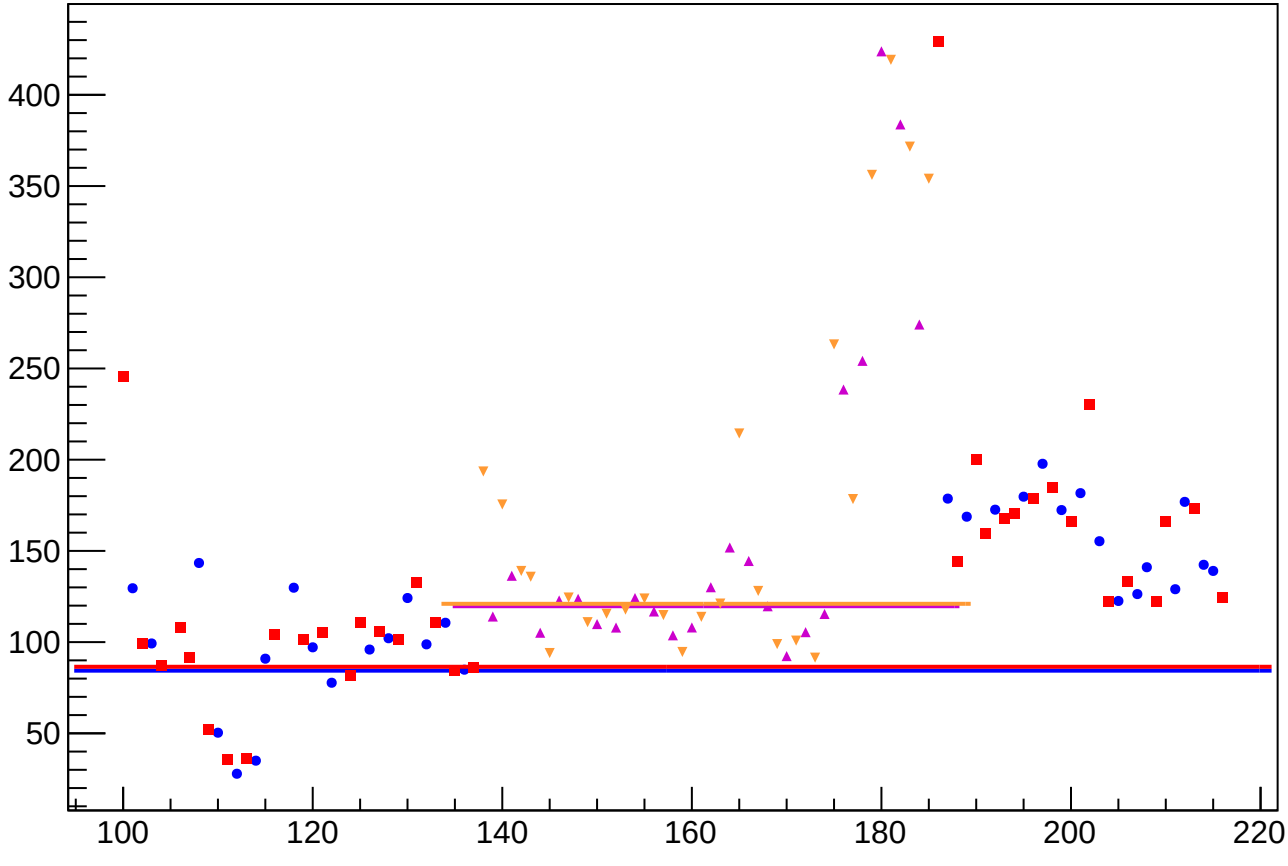
Right: 0.029+/-0.016 χ^2/NDF: 167.5/65

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: 0.015+/-0.018 χ^2/NDF:147.4/59

All: 0.017+/-0.013 χ^2/NDF: 215.2/113

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: 86.482+/-0.016 χ^2/NDF: 9320906.8/34

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

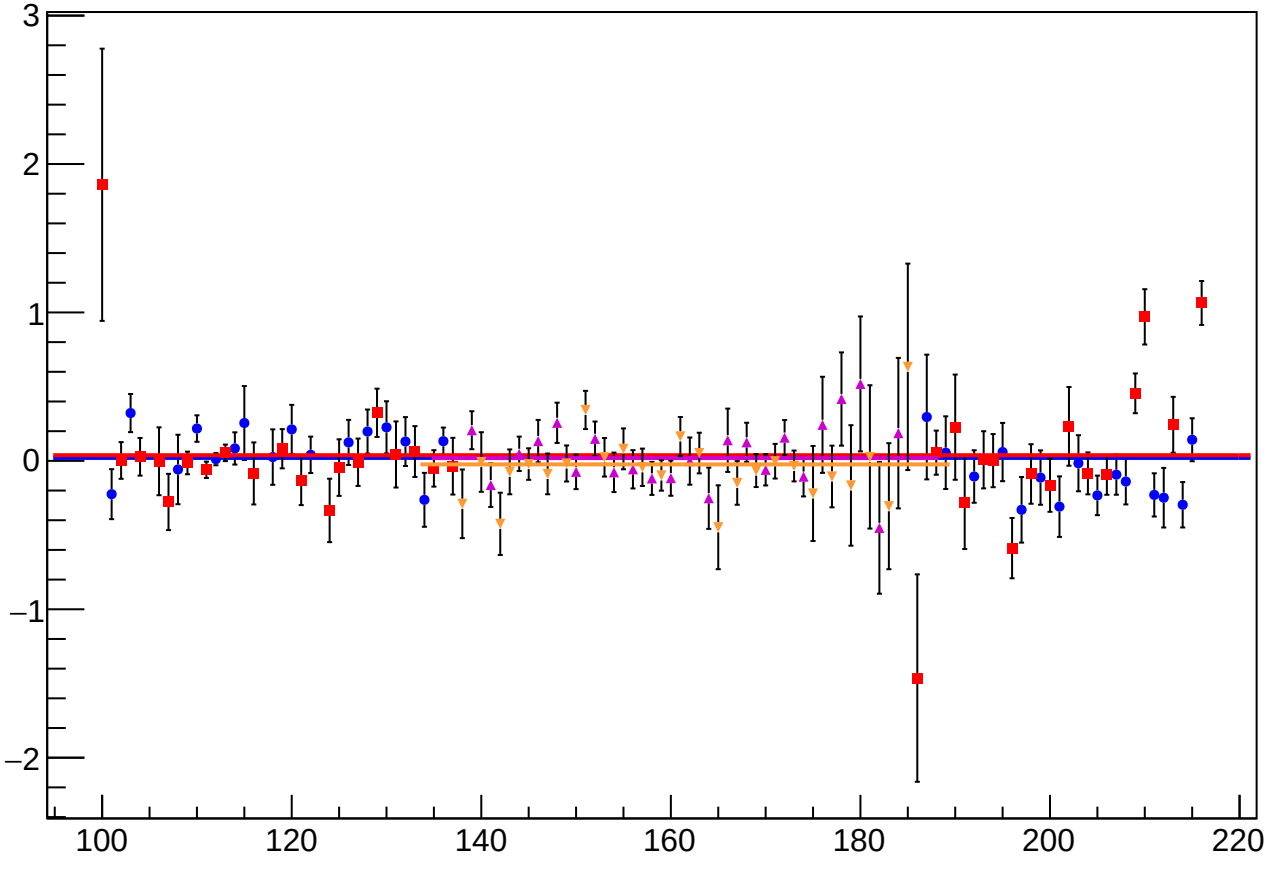
Right: 85.420+/-0.012 χ^2/NDF: 19289156.9/65

In: 97.404+/-0.013 χ^2/NDF:14520657.1/53

Out: 99.392+/-0.013 χ^2/NDF:15084382.7/59

All: 98.402+/-0.009 χ^2/NDF: 29616800.1/113

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: 0.038+/-0.023 χ^2/NDF: 122.6/34

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

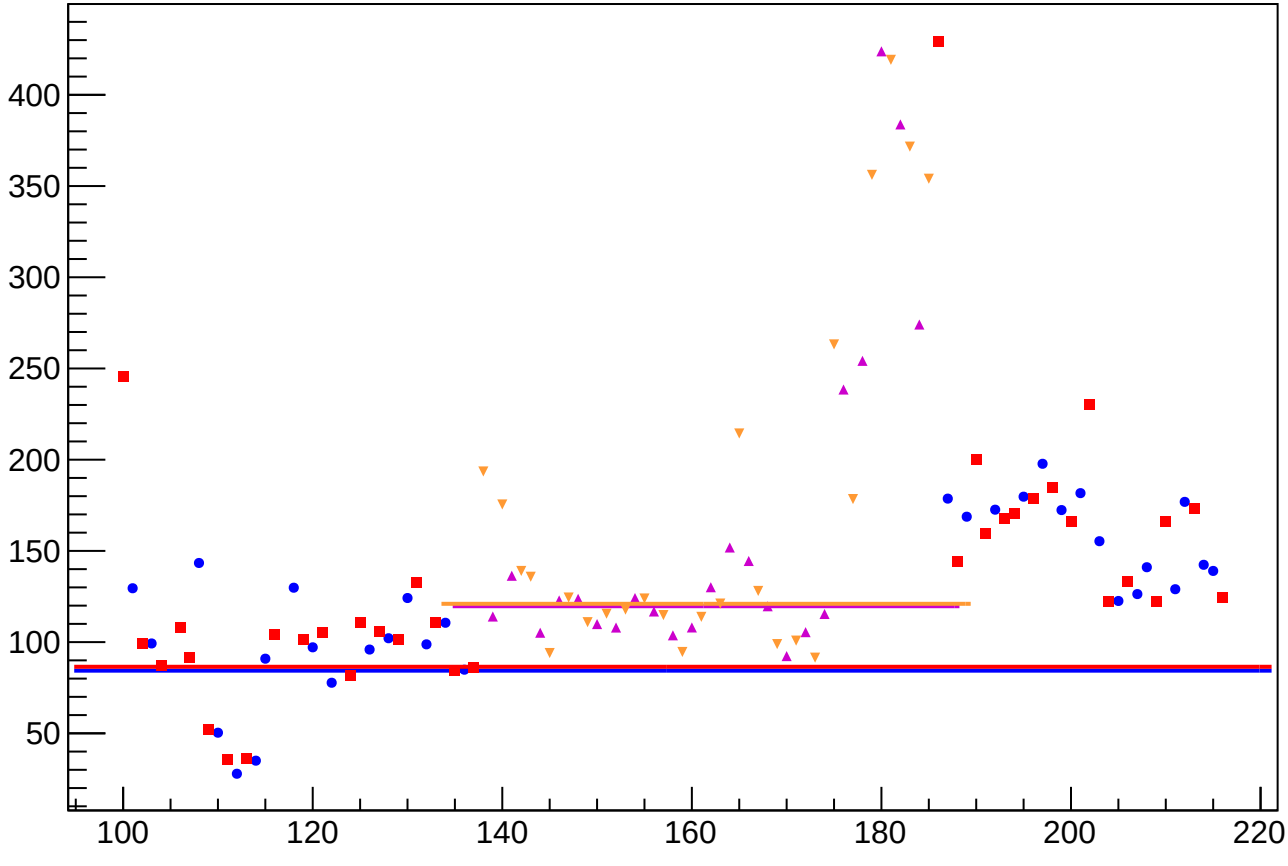
Right: 0.029+/-0.016 χ^2/NDF: 167.5/65

In: 0.019+/-0.018 χ^2/NDF:67.7/53

Out: 0.015+/-0.018 χ^2/NDF:147.4/59

All: 0.017+/-0.013 χ^2/NDF: 215.2/113

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: 86.482+/-0.016 χ^2/NDF: 9320906.8/34

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

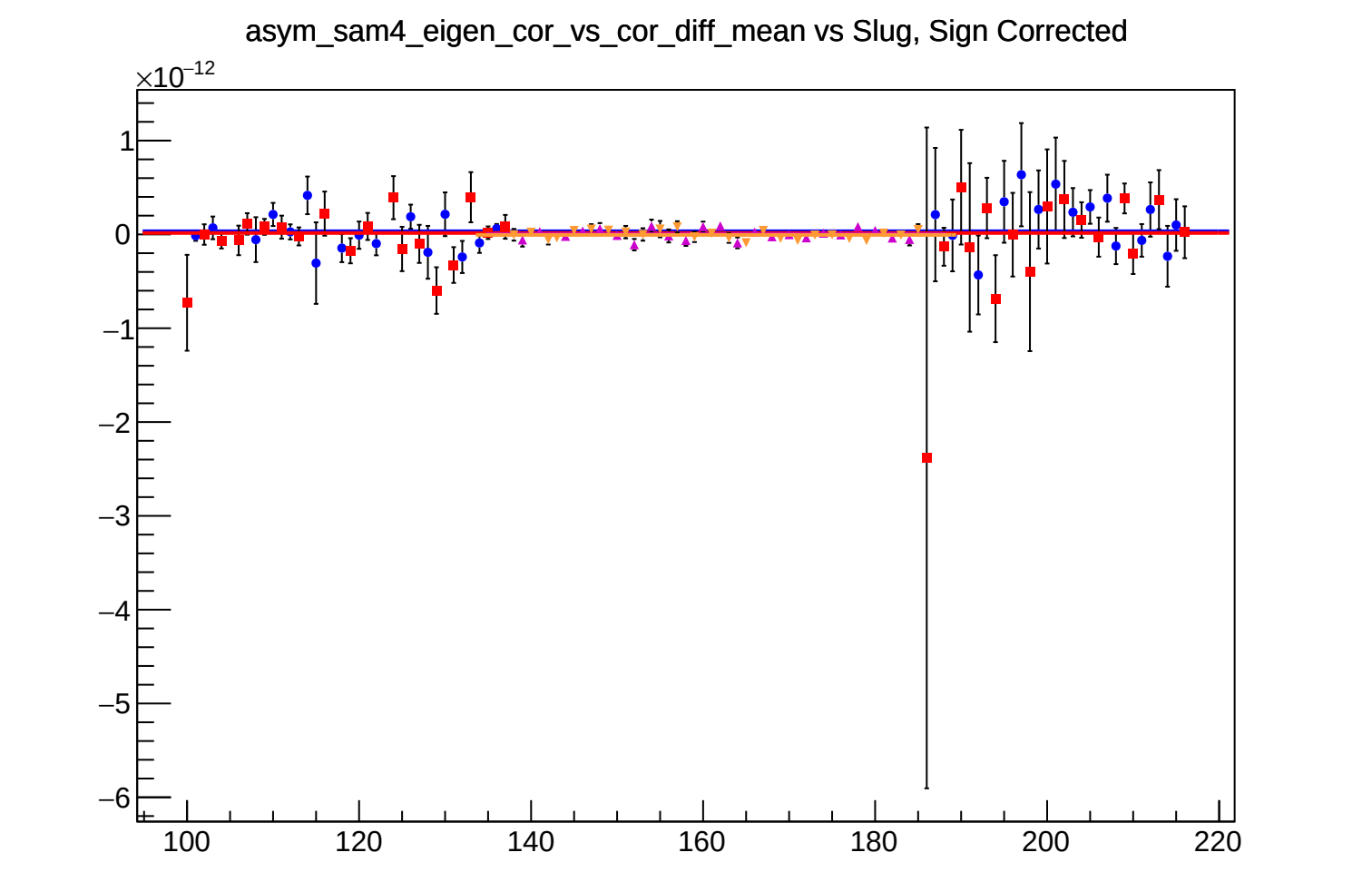
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 85.420+/-0.012 χ^2/NDF: 19289156.9/65

In: 97.404+/-0.013 χ^2/NDF:14520657.1/53

Out: 99.392+/-0.013 χ^2/NDF:15084382.7/59

All: 98.402+/-0.009 χ^2/NDF: 29616800.1/113



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: 37.4/34

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

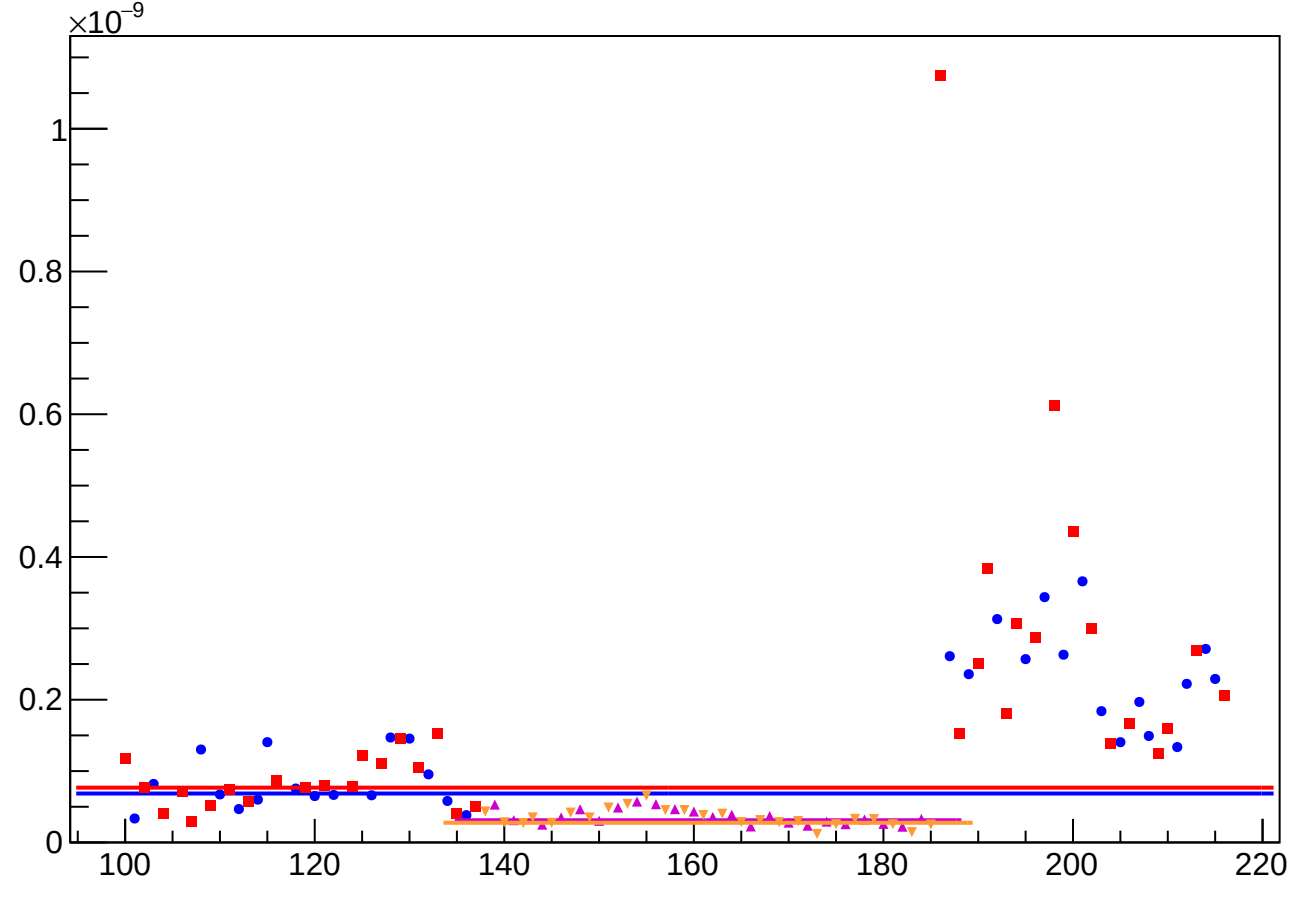
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 66.0/65

In: 0.000+/-0.000 χ^2/NDF:57.3/53

Out: -0.000+/-0.000 χ^2/NDF:60.2/59

All: 0.000+/-0.000 χ^2/NDF: 118.3/113



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: 8512008.2/34

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

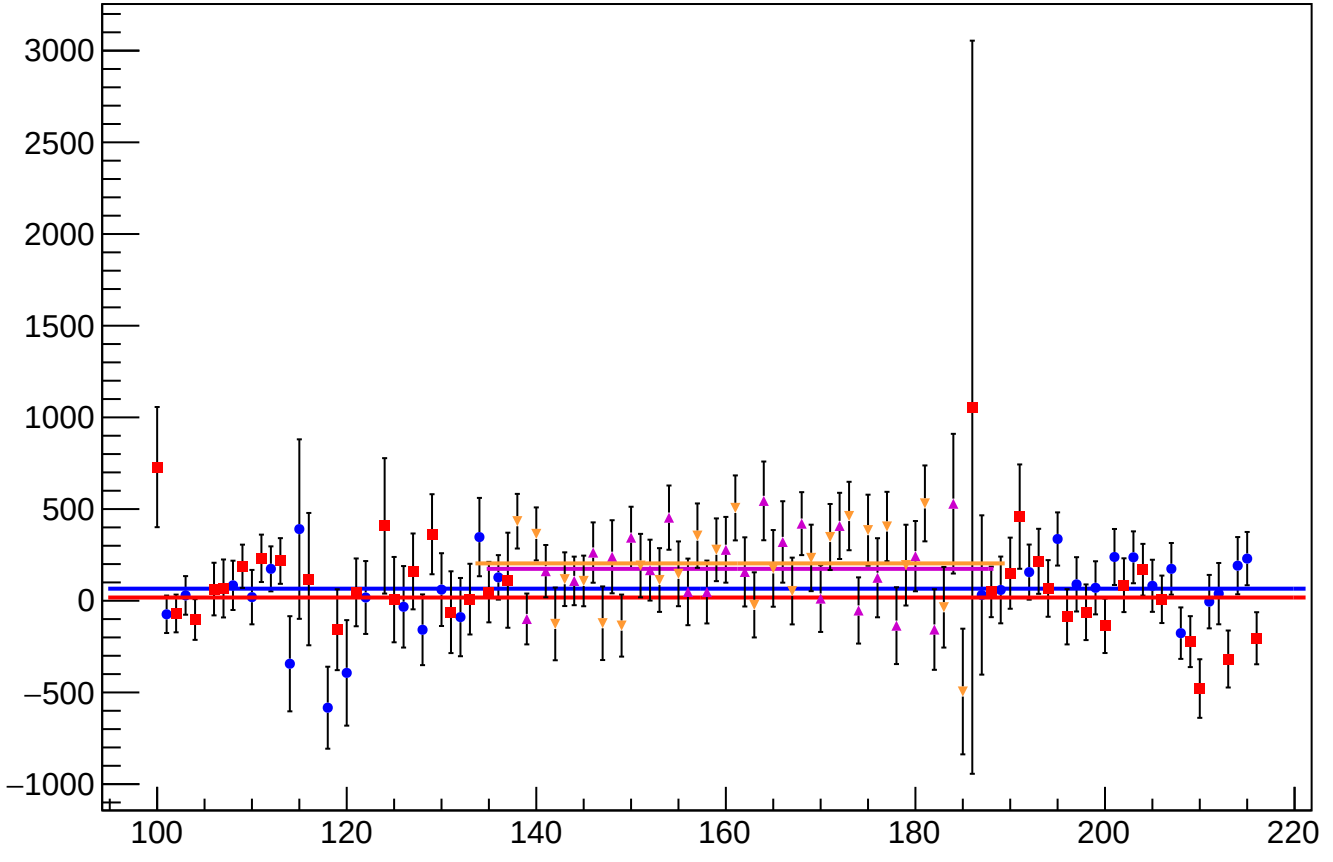
Right: 0.000+/-0.000 χ^2/NDF: 18149224.7/65

In: 0.000+/-0.000 χ^2/NDF:15563105.9/53

Out: 0.000+/-0.000 χ^2/NDF:18388679.4/59

All: 0.000+/-0.000 χ^2/NDF: 34173140.4/113

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: 17.673+/-27.388 χ^2/NDF: 46.8/34

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

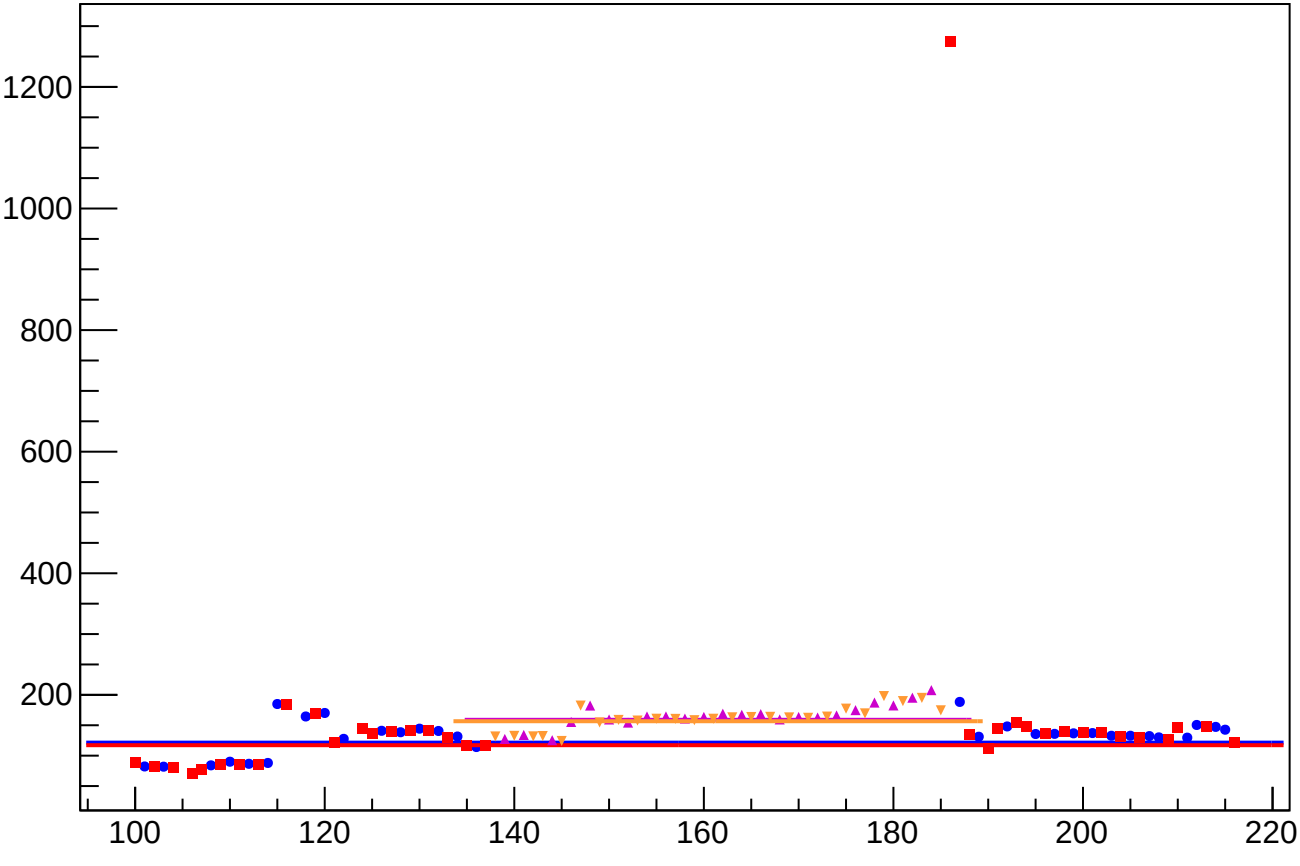
Right: 40.992+/-19.678 χ^2/NDF: 81.6/65

In: 105.212+/-22.564 χ^2/NDF:63.1/53

Out: 86.188+/-21.770 χ^2/NDF:96.7/59

All: 95.359+/-15.667 χ^2/NDF: 160.2/113

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: 117.209+/-0.019 χ^2/NDF: 2725350.2/34

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

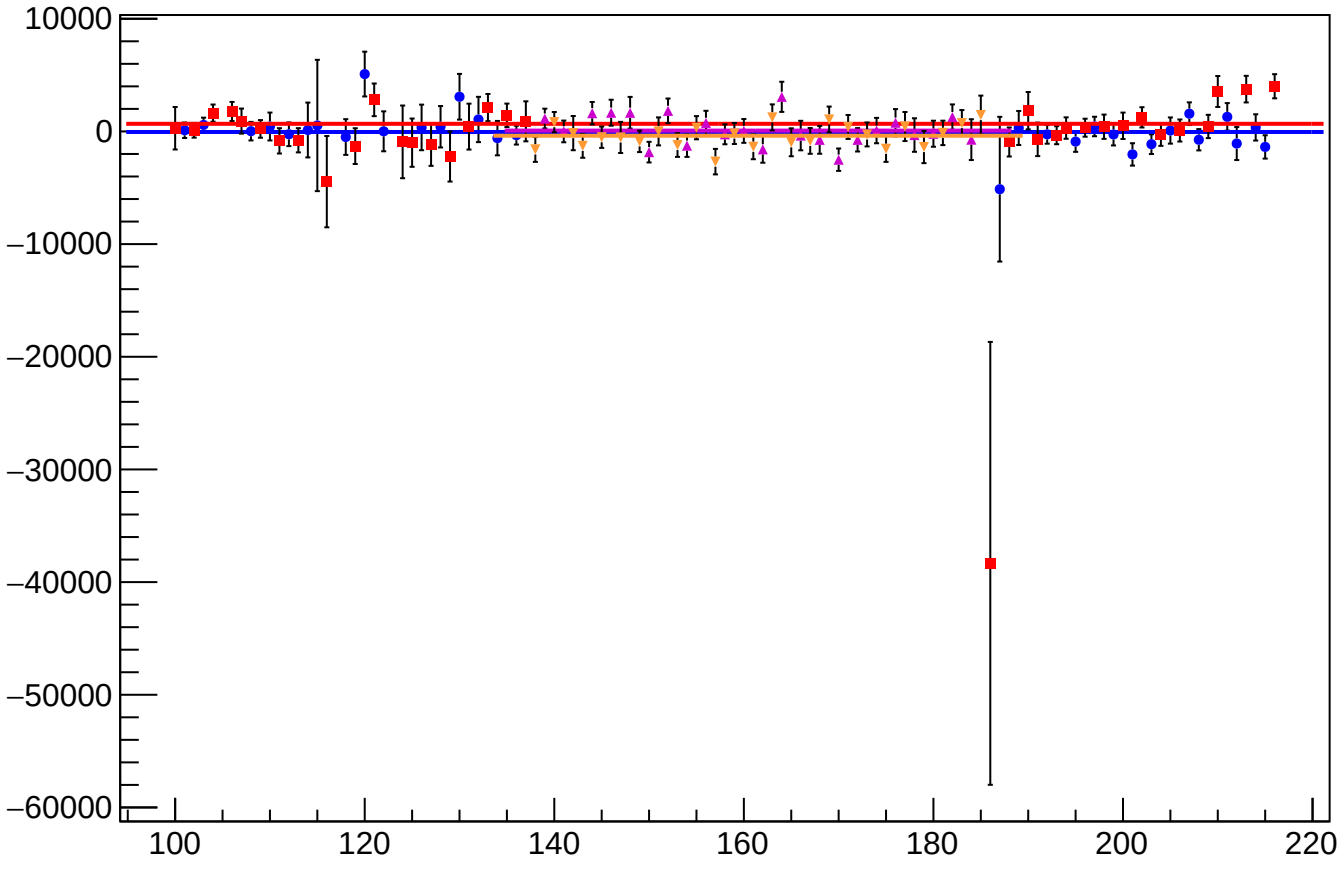
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 119.245+/-0.014 χ^2/NDF: 4423518.8/65

In: 135.076+/-0.016 χ^2/NDF:3467584.6/53

Out: 131.726+/-0.015 χ^2/NDF:4833948.7/59

All: 133.341+/-0.011 χ^2/NDF: 8324372.1/113



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: 676.430+/-191.114 χ^2/NDF: 50.4/34

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

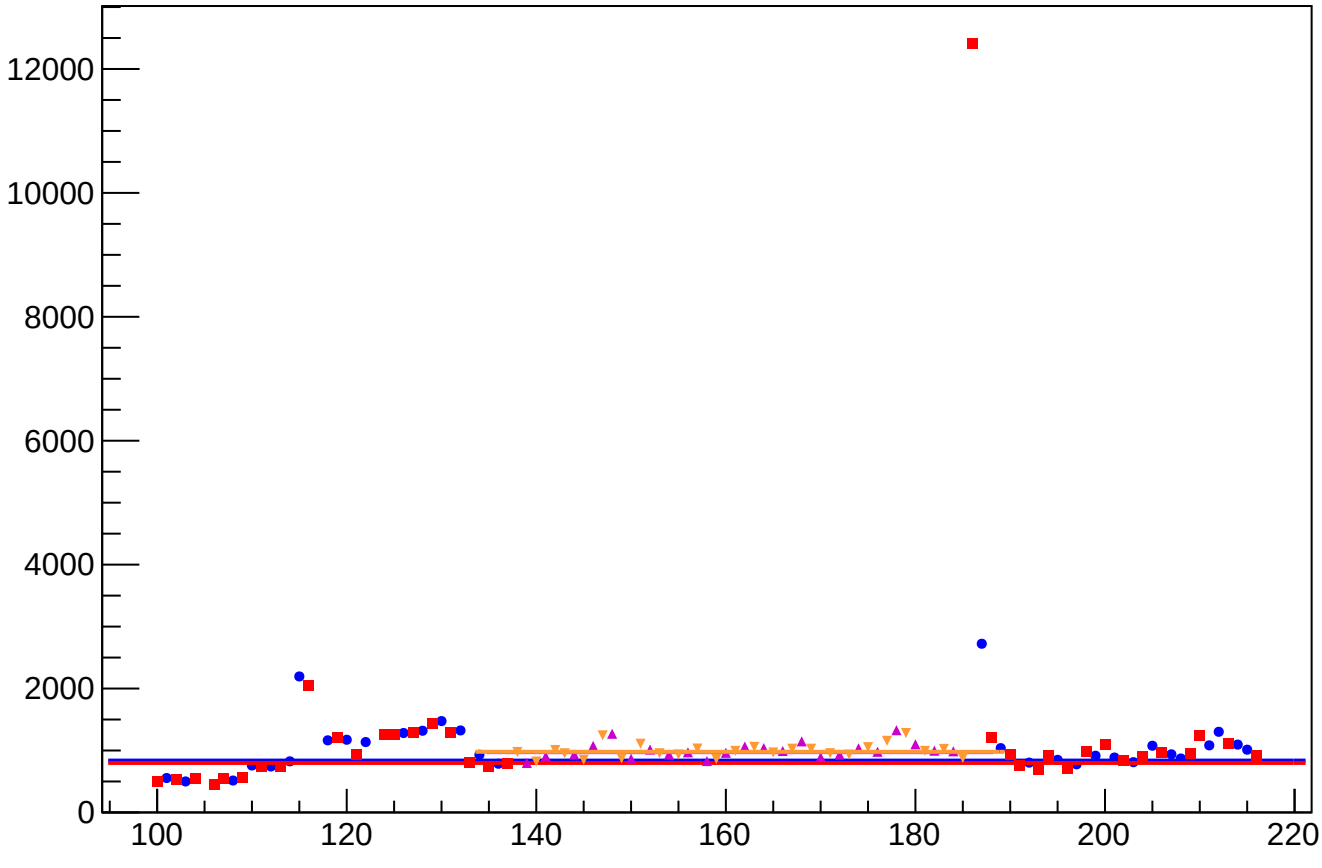
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 329.567+/-138.052 χ^2/NDF: 82.5/65

In: 4.140+/-150.705 χ^2/NDF:58.4/53

Out: 232.368+/-145.539 χ^2/NDF:82.0/59

All: 122.232+/-104.690 χ^2/NDF: 141.6/113



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: 799.322+/-0.135 χ^2/NDF: 3861462.8/34

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

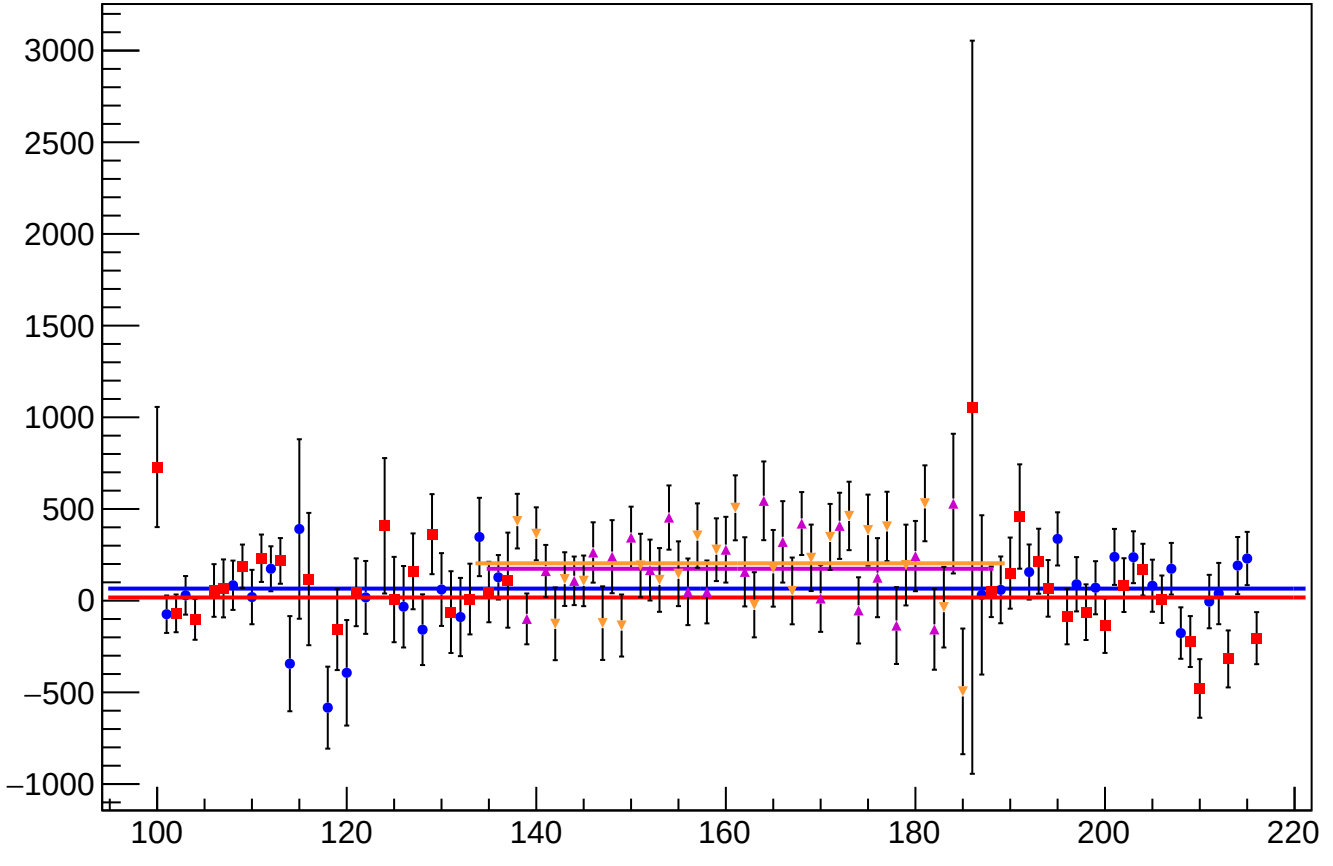
Right: 817.340+/-0.098 χ^2/NDF: 6767230.9/65

In: 895.850+/-0.107 χ^2/NDF:3771252.5/53

Out: 874.846+/-0.103 χ^2/NDF:5034779.9/59

All: 884.982+/-0.074 χ^2/NDF: 8826133.7/113

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: 17.396+/-27.389 χ^2/NDF: 46.8/34

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

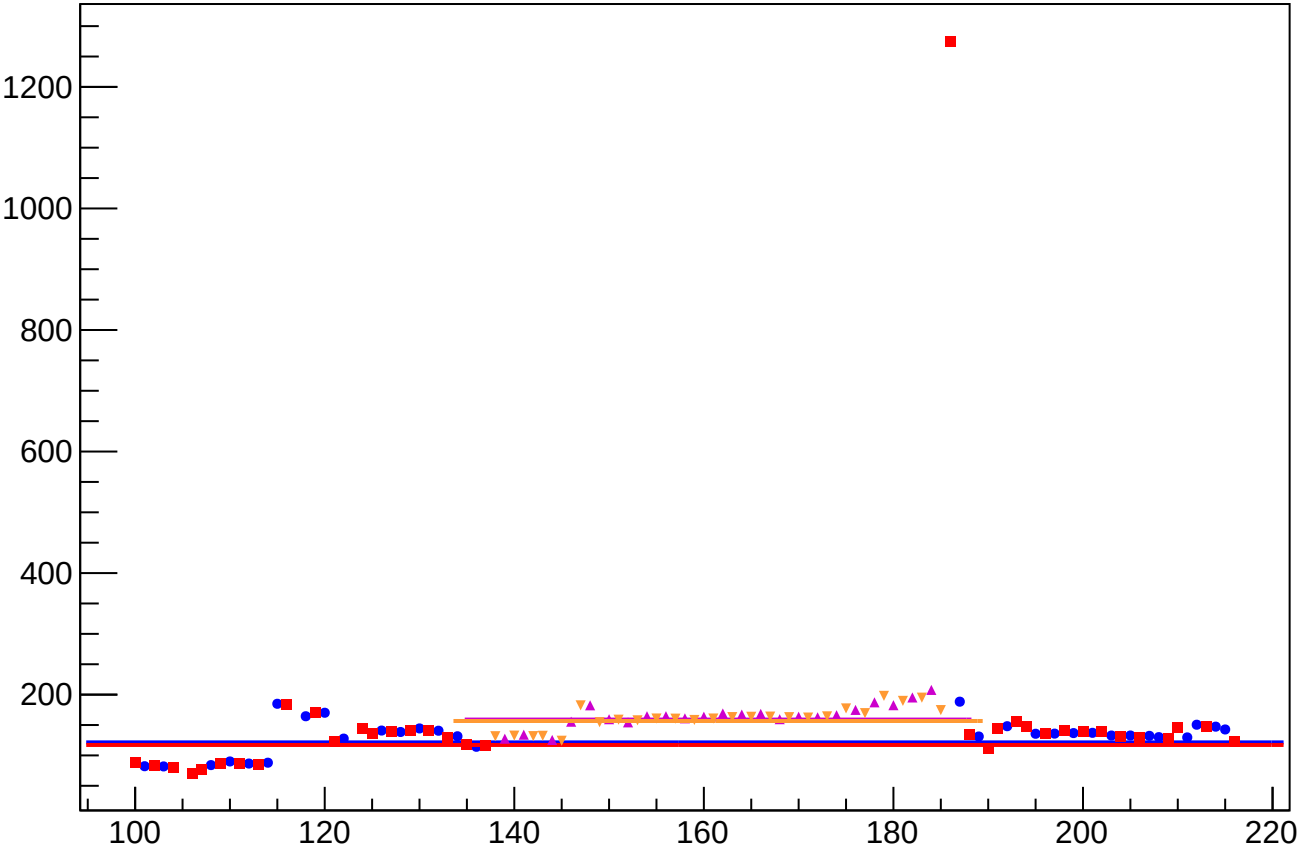
Right: 40.849+/-19.678 χ^2/NDF: 81.6/65

In: 105.212+/-22.564 χ^2/NDF:63.2/53

Out: 86.018+/-21.770 χ^2/NDF:96.7/59

All: 95.271+/-15.667 χ^2/NDF: 160.2/113

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: 117.197+/-0.019 χ^2/NDF: 2728652.8/34

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

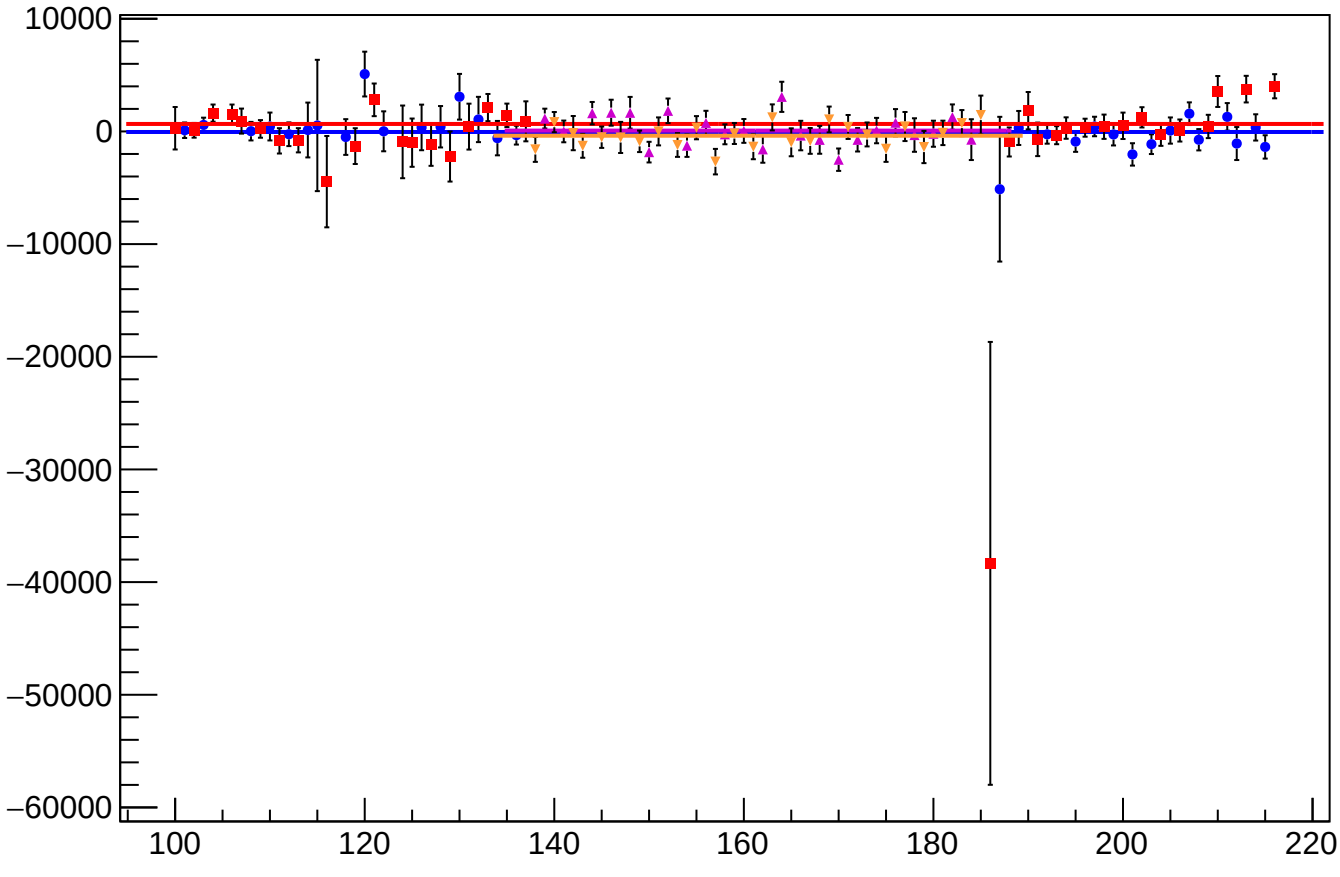
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.239+/-0.014 χ^2/NDF: 4426940.5/65

In: 135.076+/-0.016 χ^2/NDF:3467582.6/53

Out: 131.720+/-0.015 χ^2/NDF:4838074.1/59

All: 133.338+/-0.011 χ^2/NDF: 8328582.1/113



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: 663.561+/-191.177 χ^2/NDF: 49.8/34

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

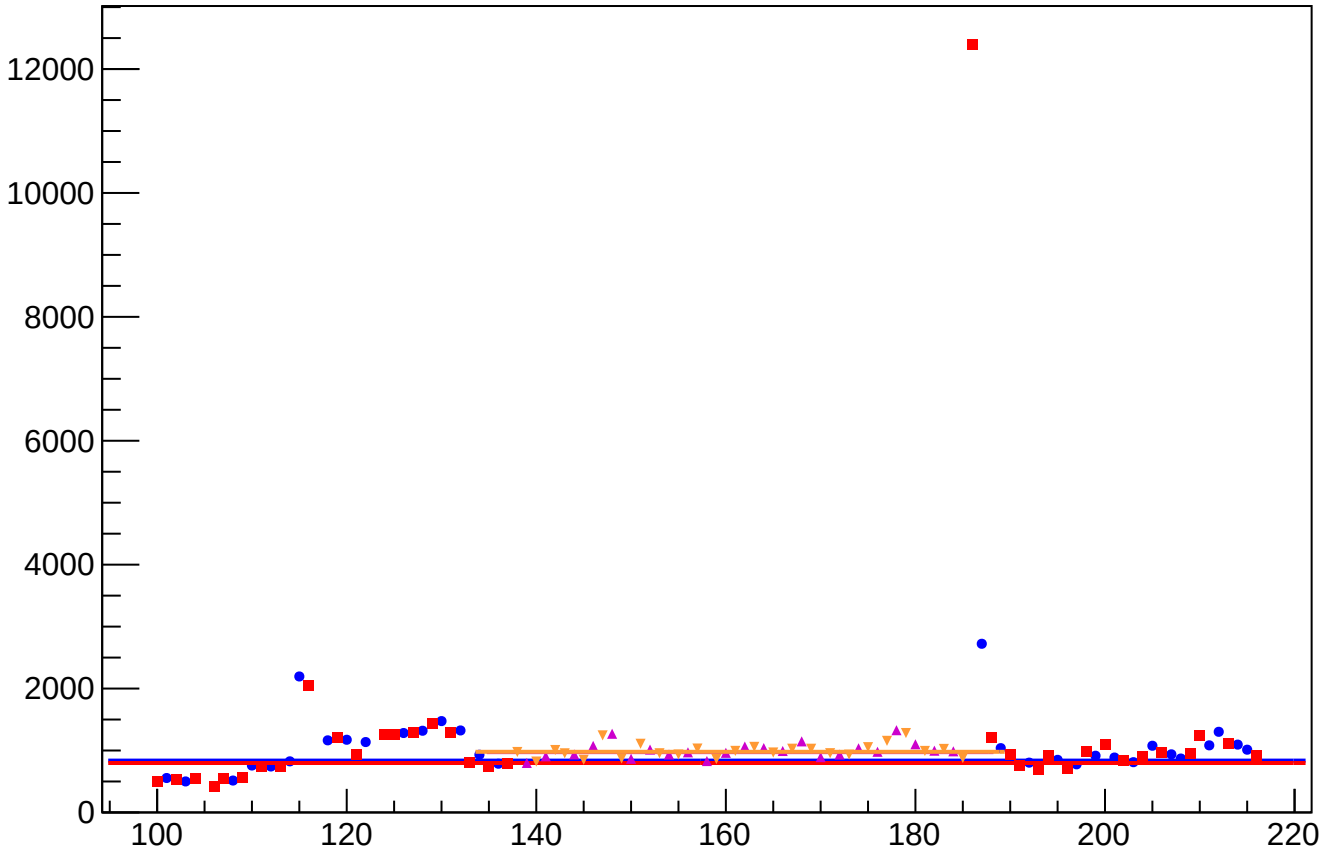
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 322.735+/-138.076 χ^2/NDF: 81.6/65

In: 4.141+/-150.705 χ^2/NDF:58.4/53

Out: 224.741+/-145.567 χ^2/NDF:81.0/59

All: 118.265+/-104.701 χ^2/NDF: 140.5/113



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: 798.330+/-0.135 χ^2/NDF: 3905513.3/34

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

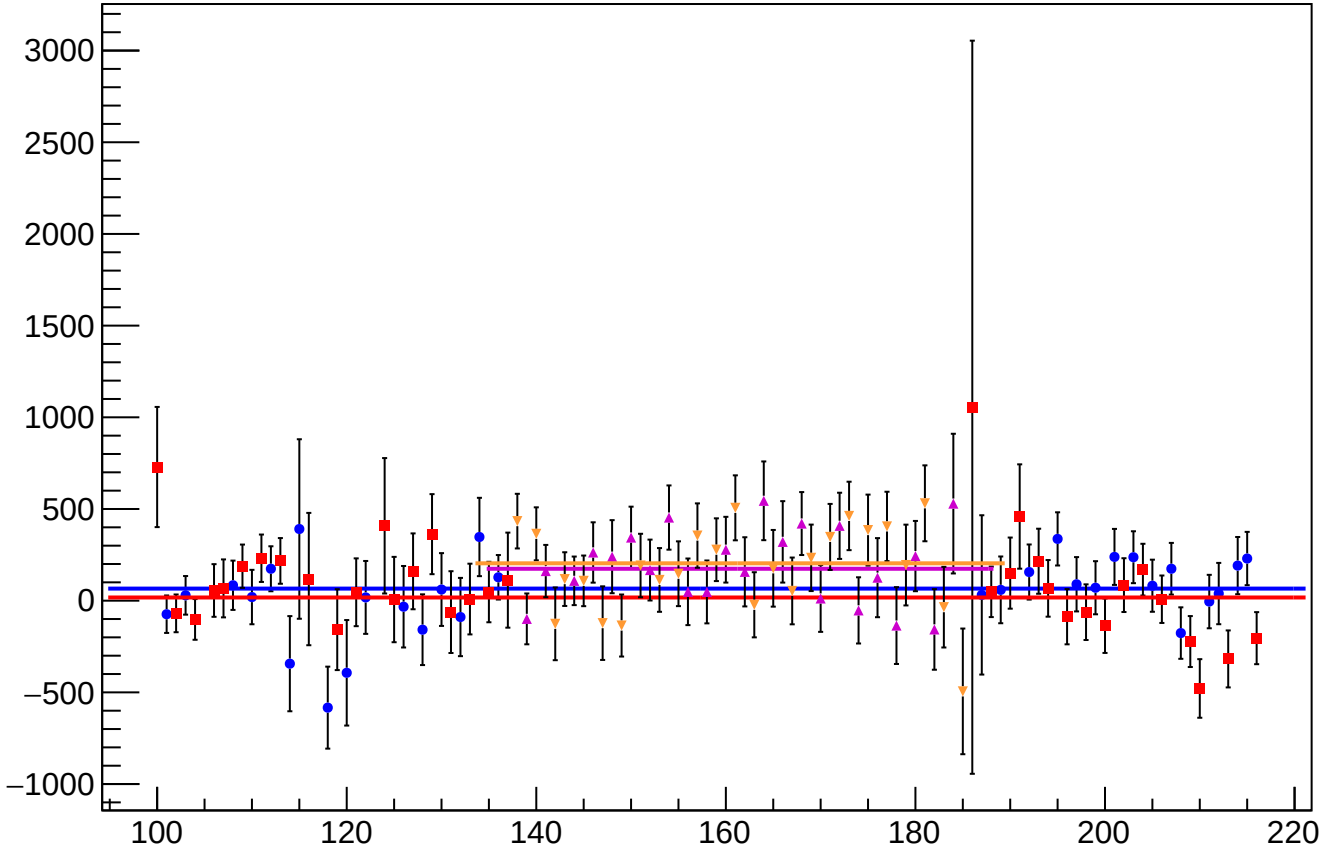
Right: 816.829+/-0.098 χ^2/NDF: 6813255.4/65

In: 895.850+/-0.107 χ^2/NDF:3771259.3/53

Out: 874.300+/-0.103 χ^2/NDF:5086849.9/59

All: 884.701+/-0.074 χ^2/NDF: 8879265.1/113

eigen_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: 17.396+/-27.389 χ^2/NDF: 46.8/34

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

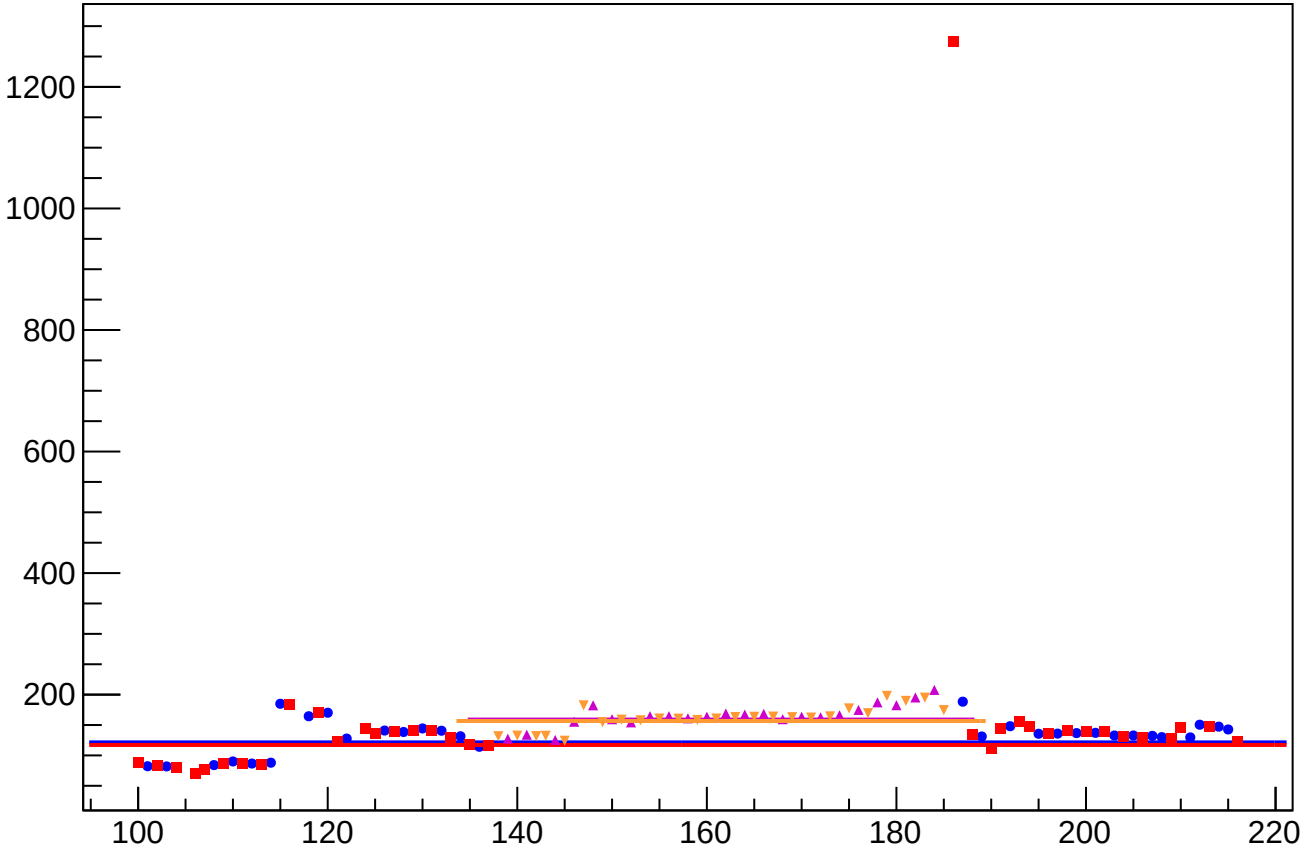
Right: 40.849+/-19.678 χ^2/NDF: 81.6/65

In: 105.212+/-22.564 χ^2/NDF:63.2/53

Out: 86.018+/-21.770 χ^2/NDF:96.7/59

All: 95.271+/-15.667 χ^2/NDF: 160.2/113

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: 117.197+/-0.019 χ^2/NDF: 2728652.8/34

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

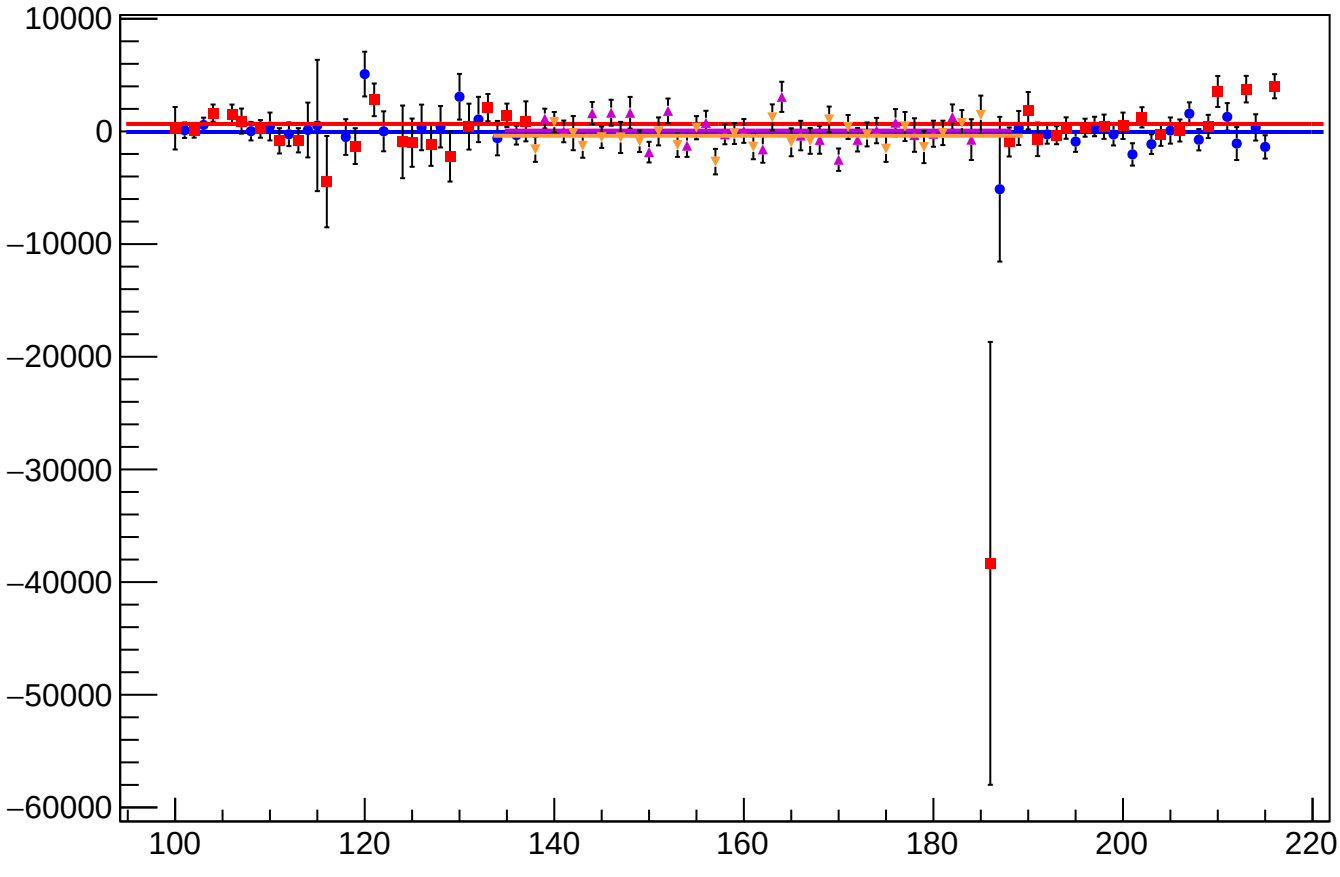
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 119.239+/-0.014 χ^2/NDF: 4426940.5/65

In: 135.076+/-0.016 χ^2/NDF:3467582.6/53

Out: 131.720+/-0.015 χ^2/NDF:4838074.1/59

All: 133.338+/-0.011 χ^2/NDF: 8328582.1/113



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: 663.561+/-191.177 χ^2/NDF: 49.8/34

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

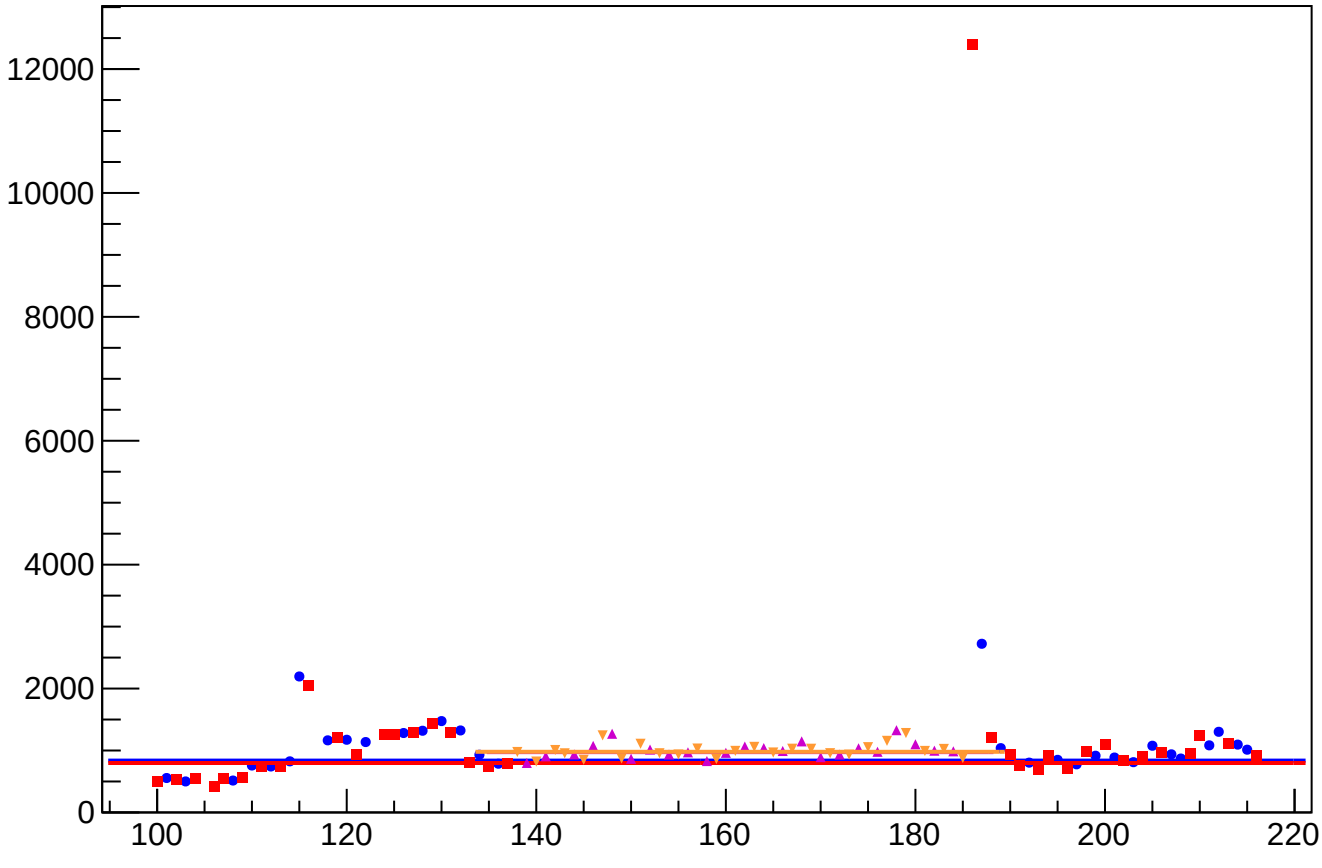
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 322.735+/-138.076 χ^2/NDF: 81.6/65

In: 4.141+/-150.705 χ^2/NDF:58.4/53

Out: 224.741+/-145.567 χ^2/NDF:81.0/59

All: 118.265+/-104.701 χ^2/NDF: 140.5/113



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: 798.330+/-0.135 χ^2/NDF: 3905513.3/34

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

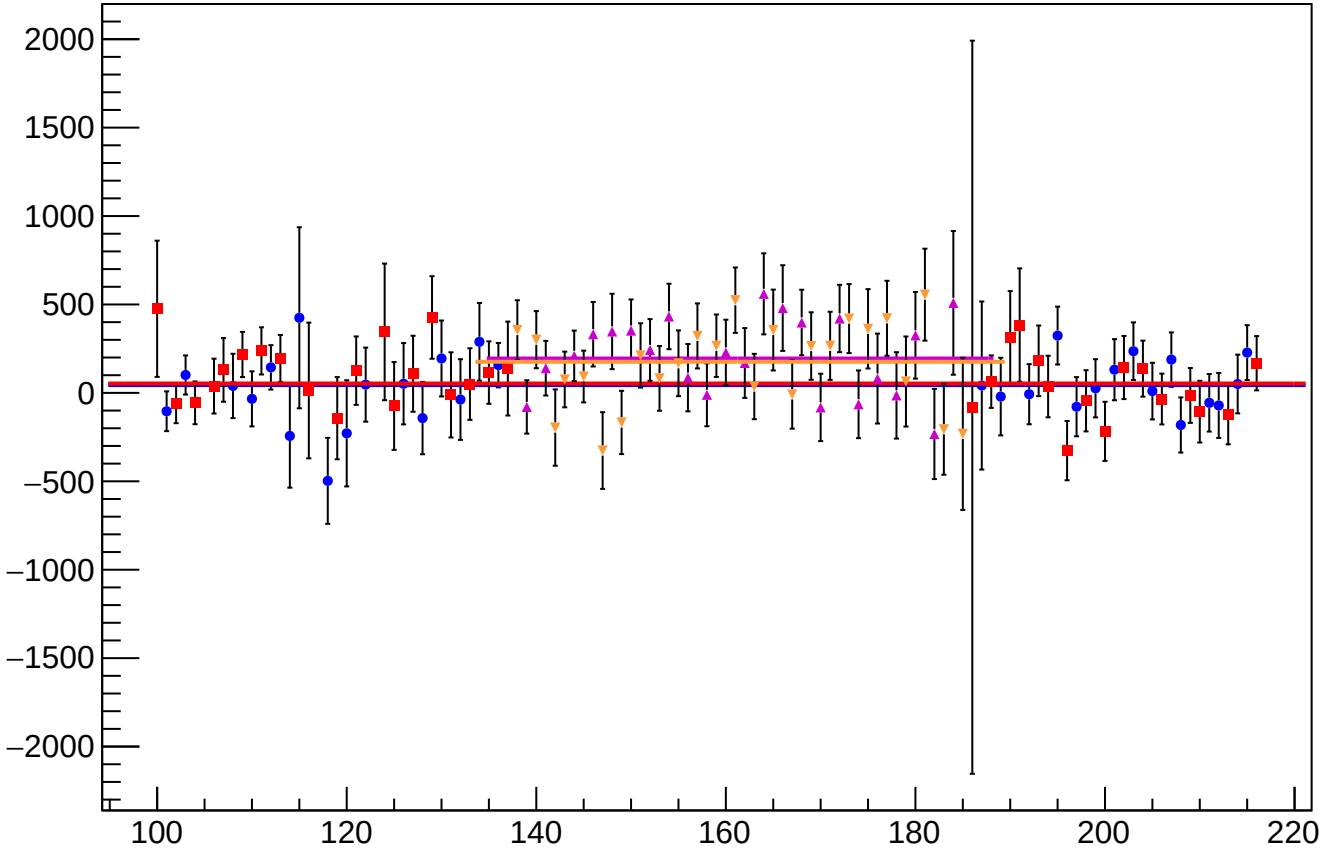
Right: 816.829+/-0.098 χ^2/NDF: 6813255.4/65

In: 895.850+/-0.107 χ^2/NDF:3771259.3/53

Out: 874.300+/-0.103 χ^2/NDF:5086849.9/59

All: 884.701+/-0.074 χ^2/NDF: 8879265.1/113

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: 53.049+/-29.978 χ^2/NDF: 26.7/34

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

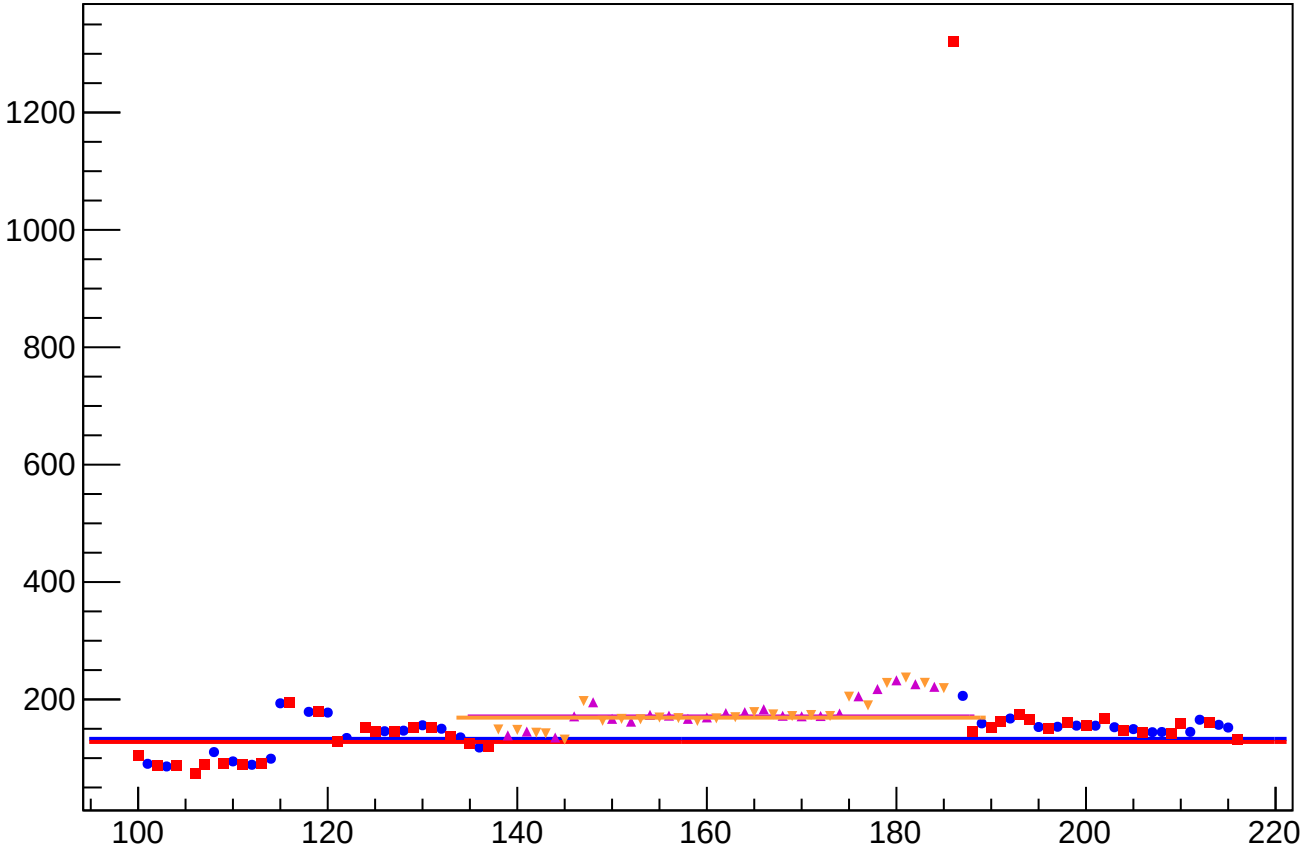
Right: 48.773+/-21.560 χ^2/NDF: 50.9/65

In: 99.924+/-24.605 χ^2/NDF:56.7/53

Out: 98.957+/-23.731 χ^2/NDF:63.8/59

All: 99.423+/-17.081 χ^2/NDF: 120.5/113

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: 127.576+/-0.021 χ^2/NDF: 2995223.5/34

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

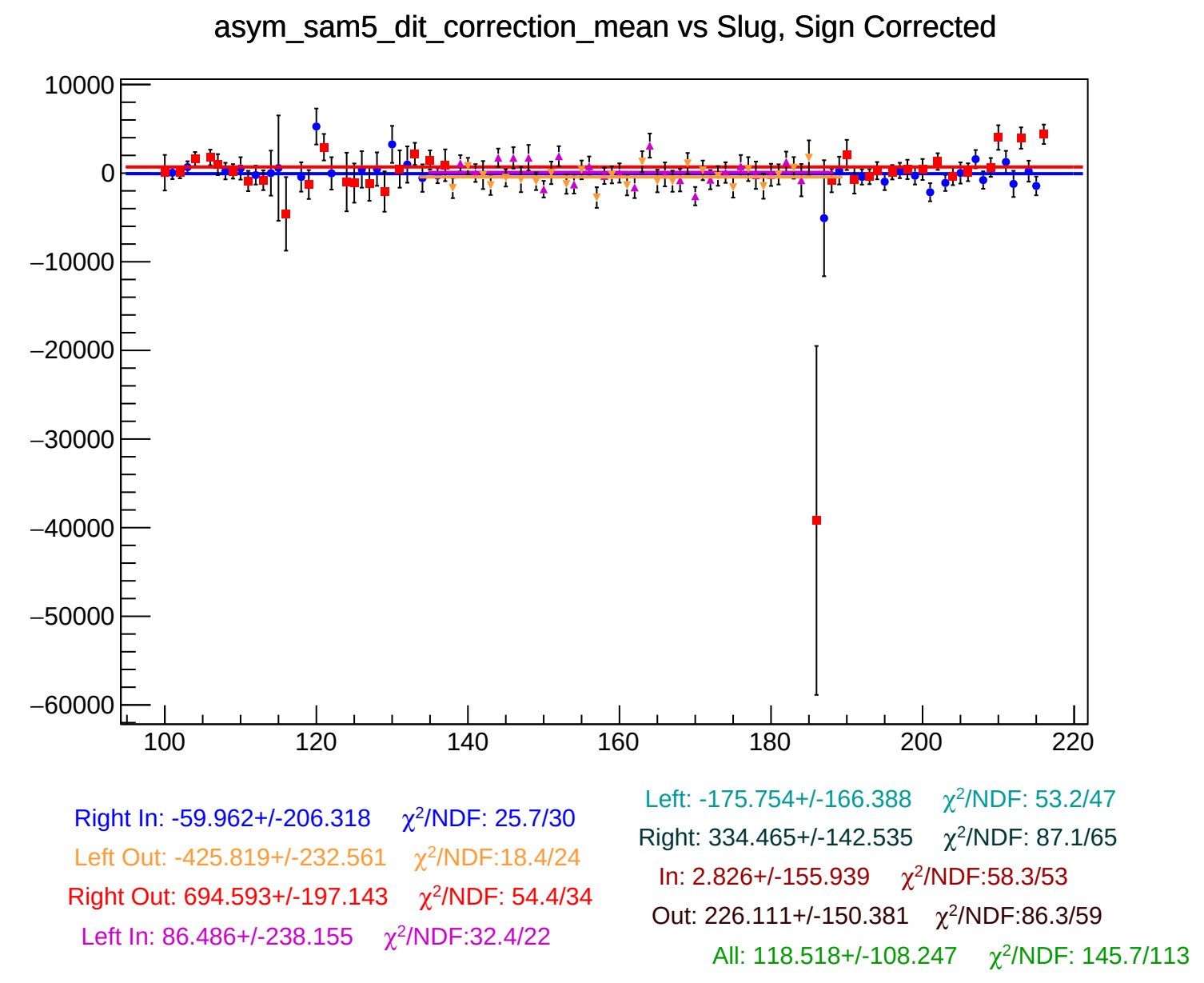
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

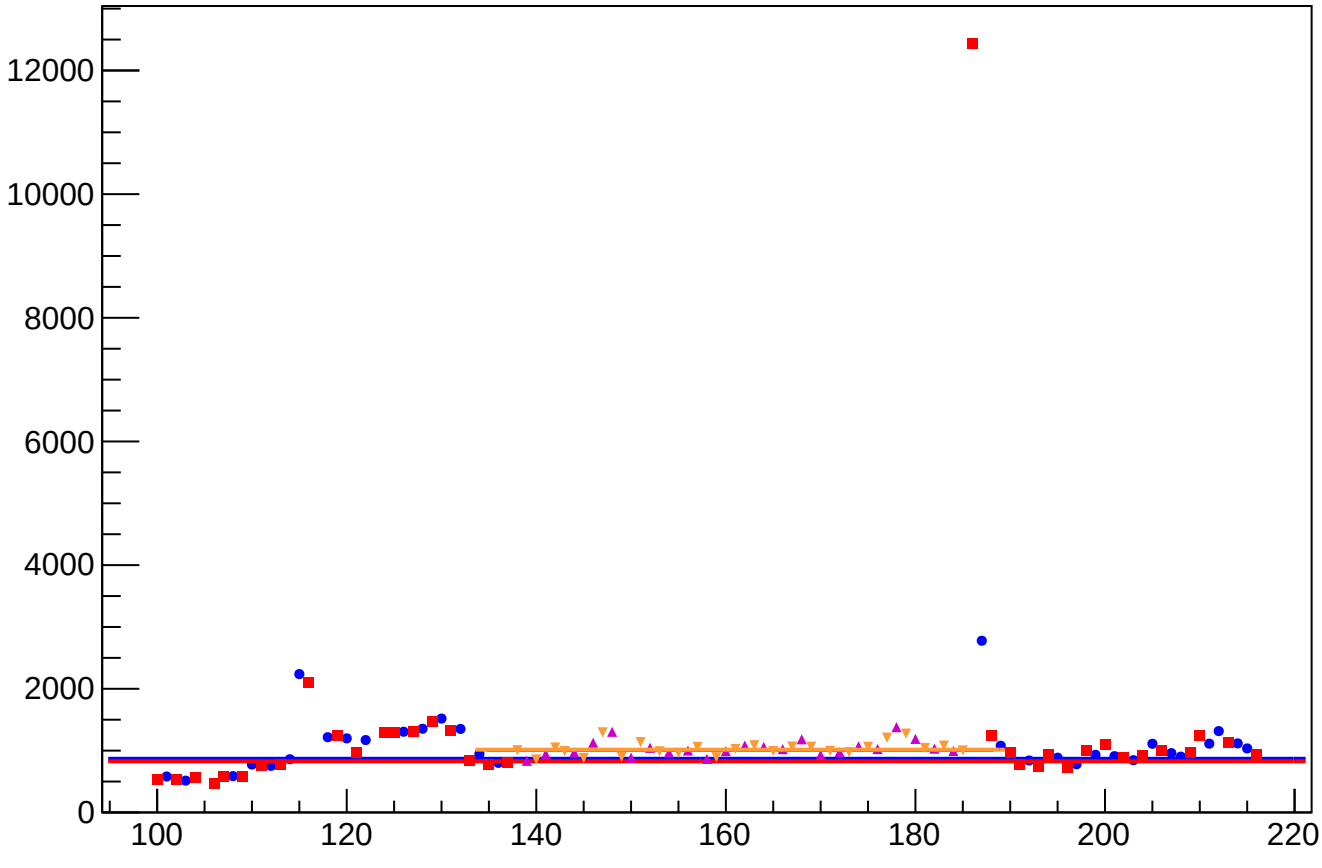
Right: 130.108+/-0.015 χ^2/NDF: 4831165.8/65

In: 147.001+/-0.017 χ^2/NDF:3609751.7/53

Out: 143.045+/-0.017 χ^2/NDF:5195567.2/59

All: 144.952+/-0.012 χ^2/NDF: 8832105.7/113


asym_sam5_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
220
Right In: -59.962+/-206.318 χ²/NDF: 25.7/30
Left Out: -425.819+/-232.561 χ²/NDF:18.4/24
Right Out: 694.593+/-197.143 χ²/NDF: 54.4/34
Left In: 86.486+/-238.155 χ²/NDF:32.4/22
Left: -175.754+/-166.388 χ²/NDF: 53.2/47
Right: 334.465+/-142.535 χ²/NDF: 87.1/65
In: 2.826+/-155.939 χ²/NDF:58.3/53
Out: 226.111+/-150.381 χ²/NDF:86.3/59
All: 118.518+/-108.247 χ²/NDF: 145.7/113



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: 827.142+/-0.139 χ^2/NDF: 3708275.9/34

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

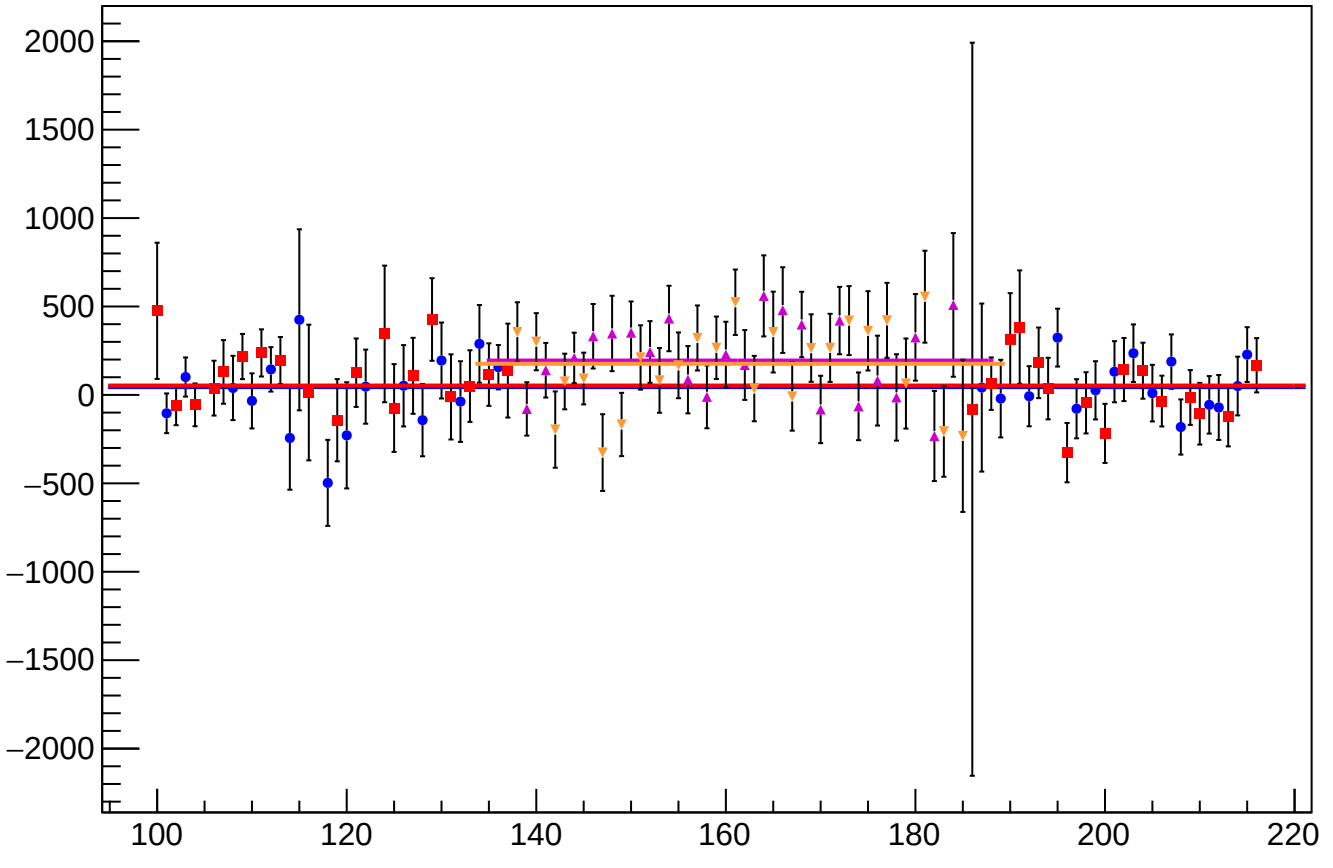
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 846.611+/-0.101 χ^2/NDF: 6438763.2/65

In: 928.702+/-0.110 χ^2/NDF:3593093.2/53

Out: 905.711+/-0.106 χ^2/NDF:4865958.2/59

All: 916.790+/-0.077 χ^2/NDF: 8481577.4/113



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: 53.048+/-29.978 χ^2/NDF: 26.7/34

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

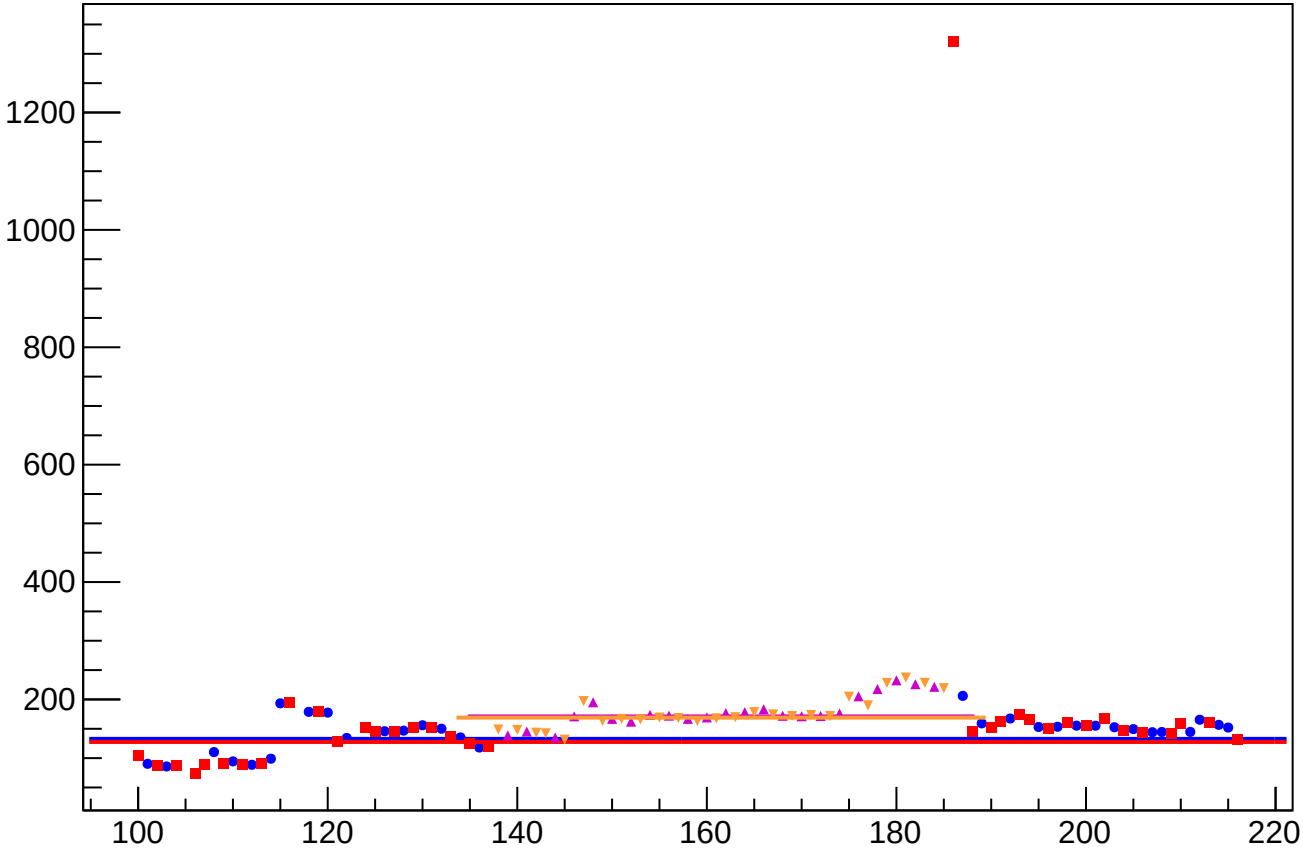
Right: 48.773+/-21.560 χ^2/NDF: 50.9/65

In: 99.924+/-24.605 χ^2/NDF:56.7/53

Out: 98.957+/-23.731 χ^2/NDF:63.8/59

All: 99.423+/-17.081 χ^2/NDF: 120.5/113

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: 127.576+/-0.021 χ^2/NDF: 2995224.3/34

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

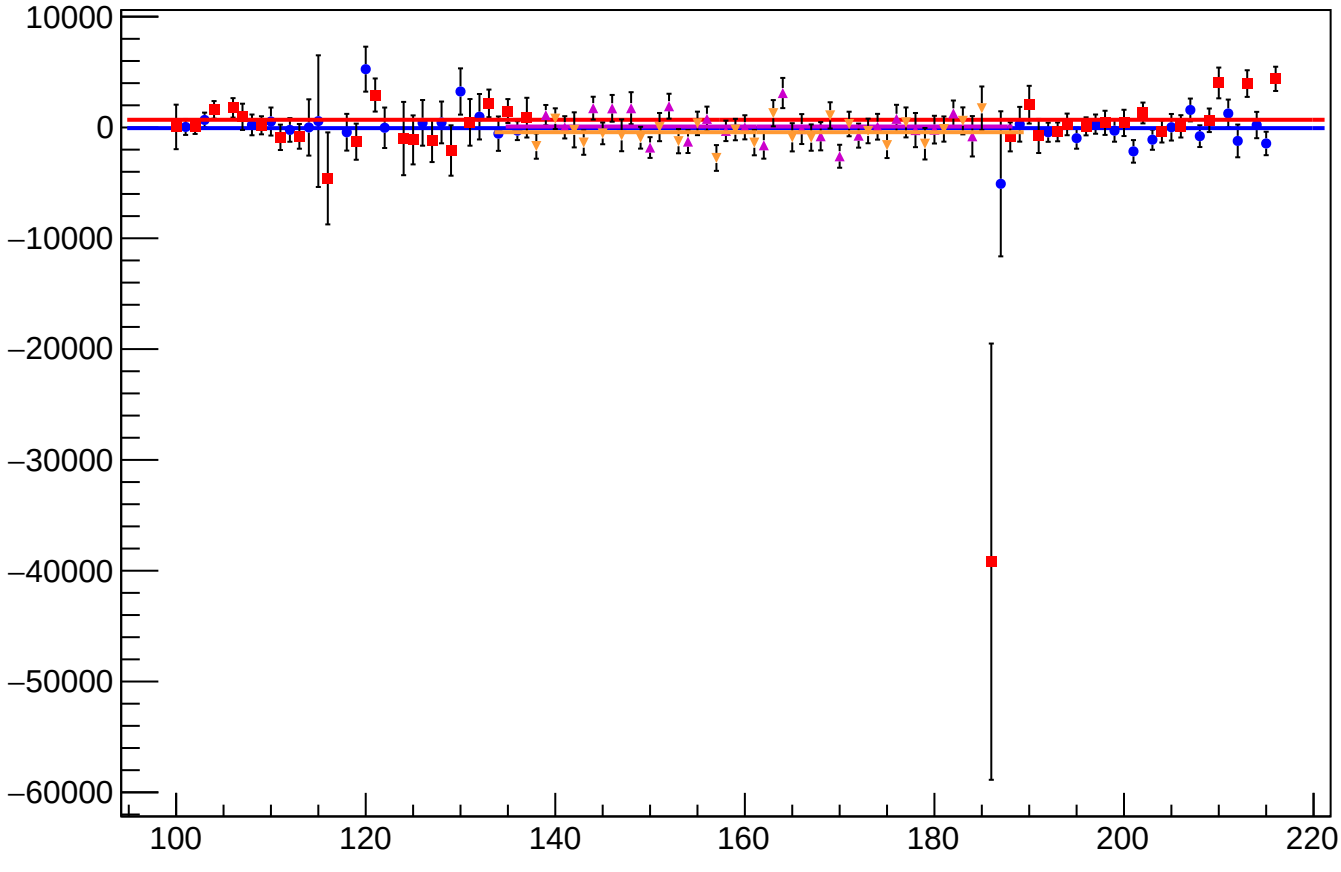
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 130.108+/-0.015 χ^2/NDF: 4831174.2/65

In: 147.001+/-0.017 χ^2/NDF:3609779.4/53

Out: 143.045+/-0.017 χ^2/NDF:5195580.1/59

All: 144.952+/-0.012 χ^2/NDF: 8832146.7/113



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: 694.594+/-197.143 χ^2/NDF: 54.4/34

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

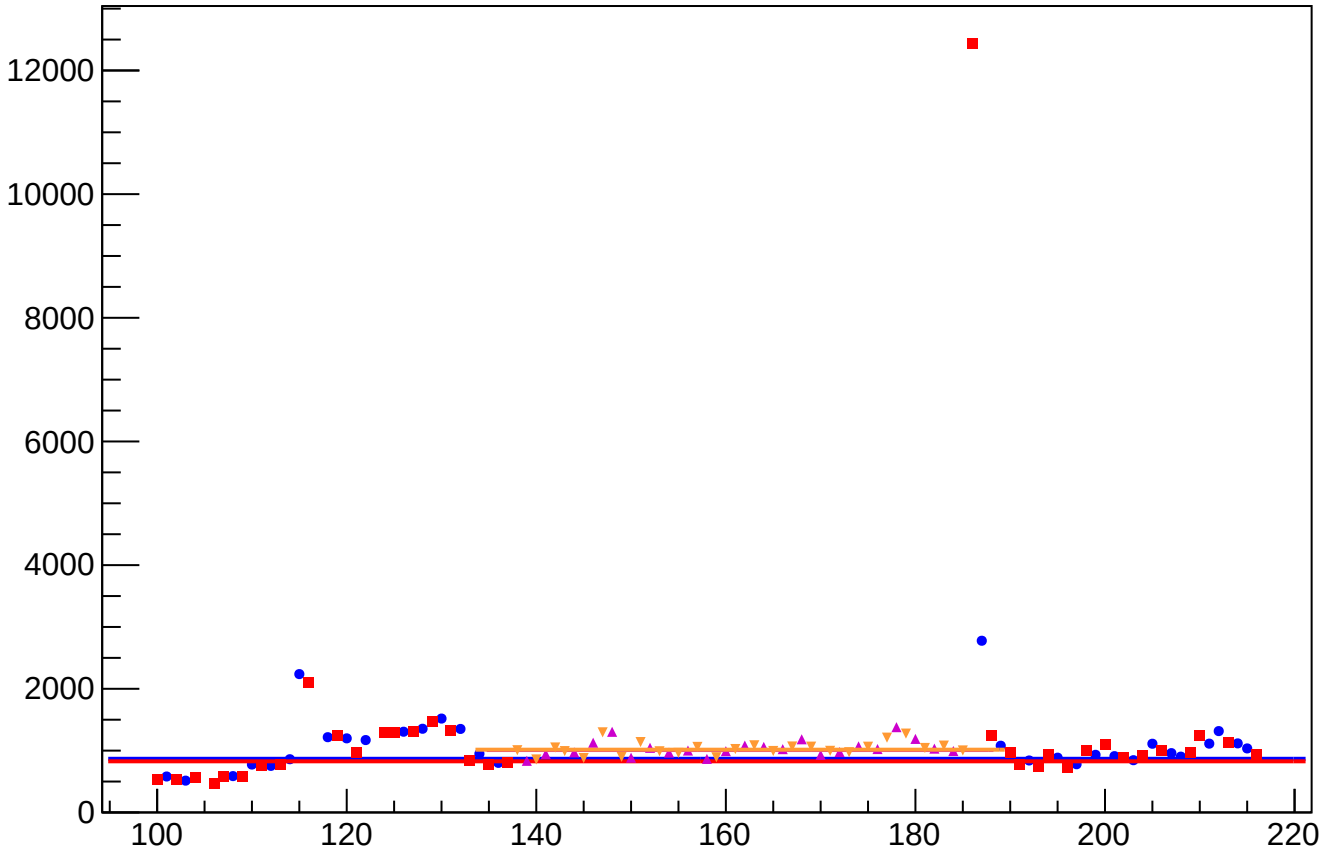
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 334.467+/-142.534 χ^2/NDF: 87.1/65

In: 2.827+/-155.939 χ^2/NDF:58.3/53

Out: 226.113+/-150.381 χ^2/NDF:86.3/59

All: 118.520+/-108.247 χ^2/NDF: 145.7/113



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: 827.142+/-0.139 χ^2/NDF: 3708278.3/34

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

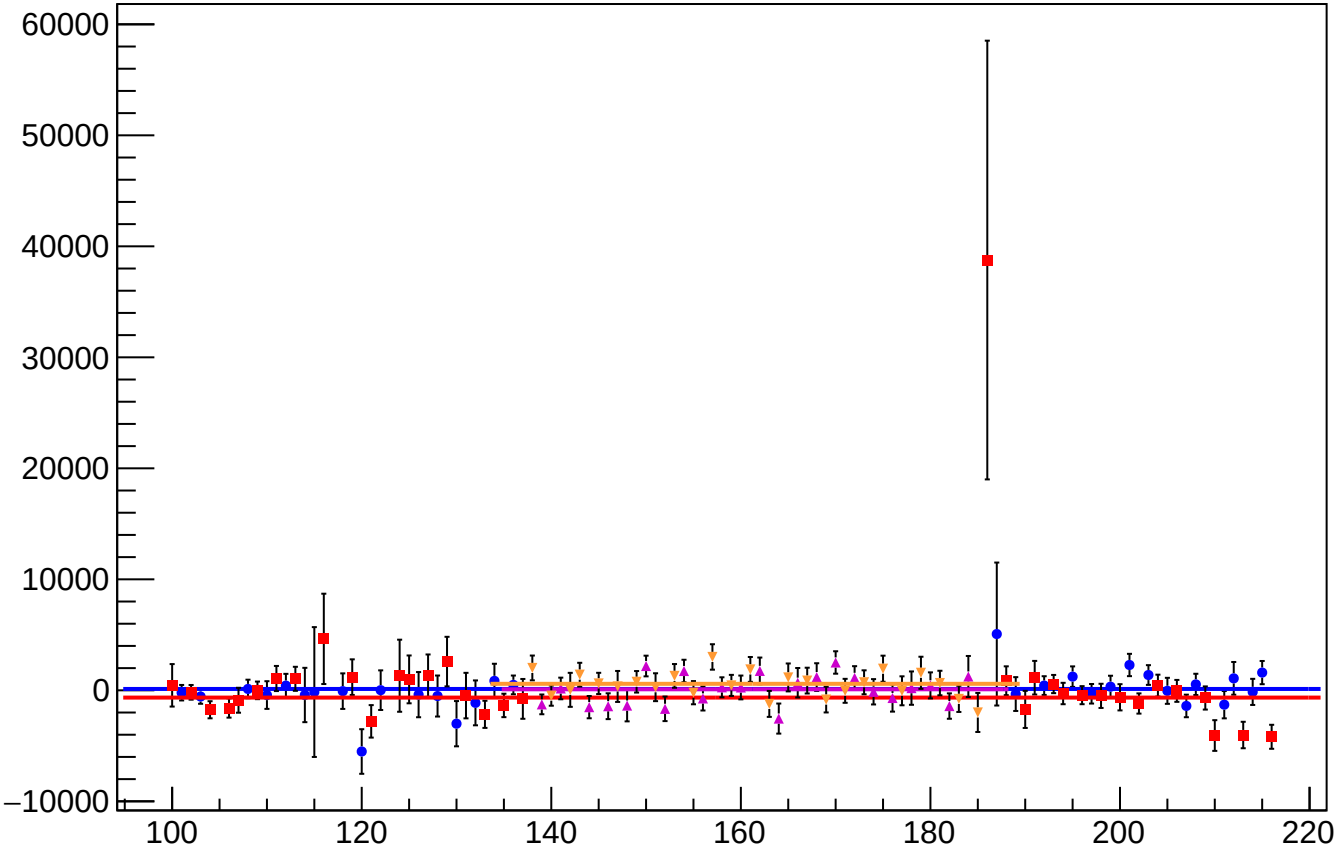
Right: 846.610+/-0.101 χ^2/NDF: 6438766.2/65

In: 928.702+/-0.110 χ^2/NDF:3593104.2/53

Out: 905.711+/-0.106 χ^2/NDF:4865972.7/59

All: 916.790+/-0.077 χ^2/NDF: 8481603.2/113

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: -654.253+/-193.518 χ^2/NDF: 57.1/34

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

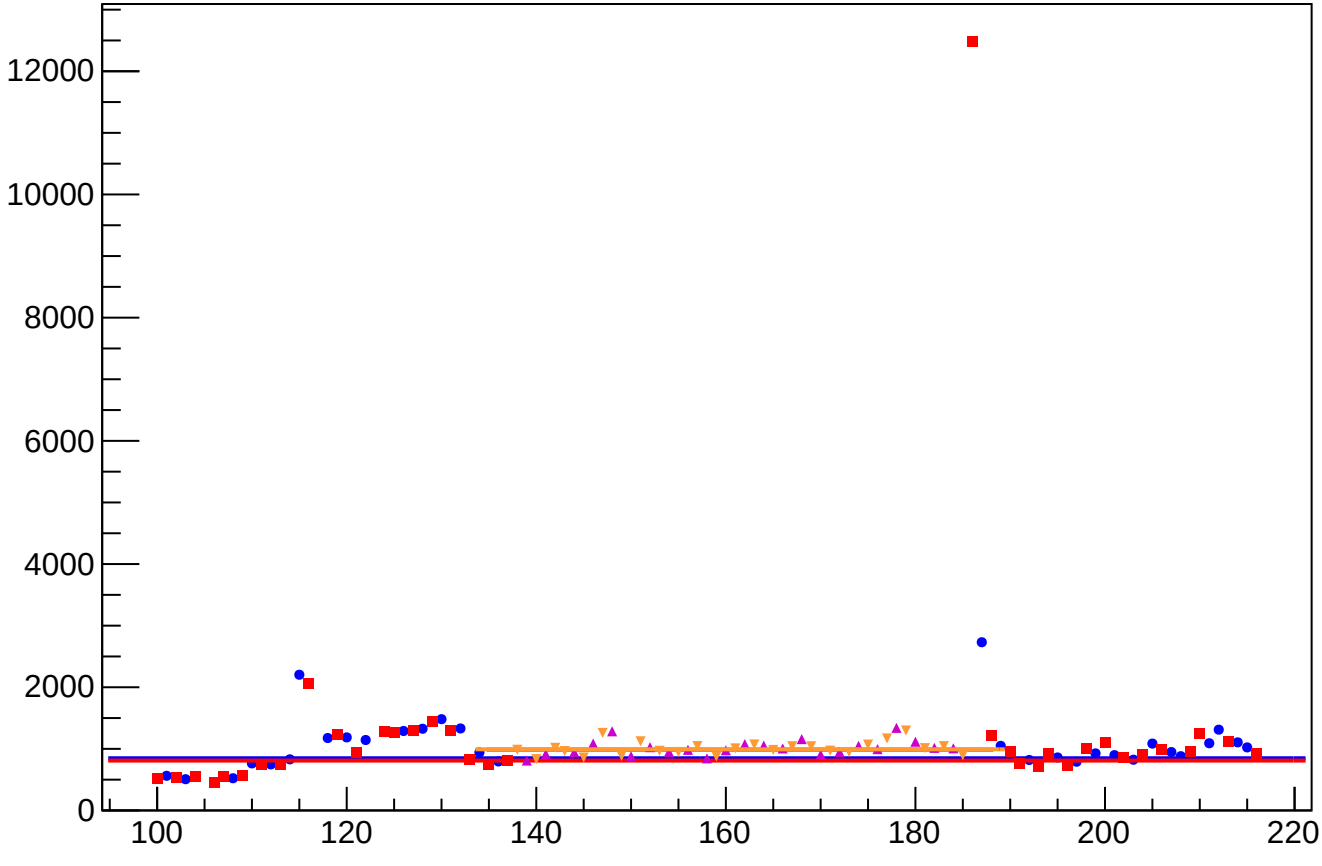
Right: -282.141+/-139.729 χ^2/NDF: 93.1/65

In: 110.088+/-152.618 χ^2/NDF:62.9/53

Out: -133.730+/-147.427 χ^2/NDF:95.1/59

All: -16.038+/-106.034 χ^2/NDF: 159.3/113

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: 809.870+/-0.137 χ^2/NDF: 3821873.1/34

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

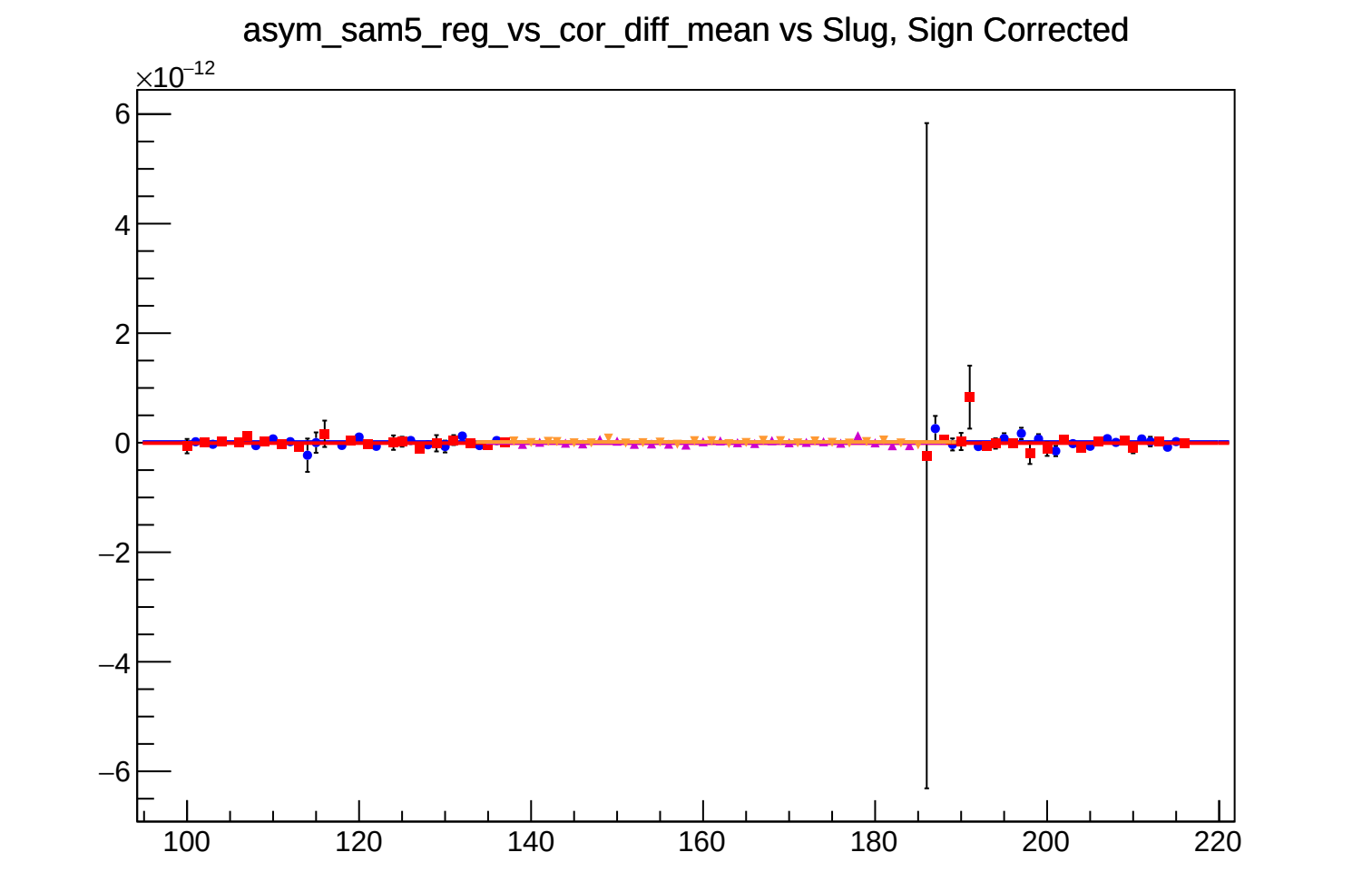
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 827.829+/-0.099 χ^2/NDF: 6689878.3/65

In: 907.614+/-0.108 χ^2/NDF:3734332.0/53

Out: 886.527+/-0.104 χ^2/NDF:4994647.3/59

All: 896.706+/-0.075 χ^2/NDF: 8748731.0/113



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: 24.9/34

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

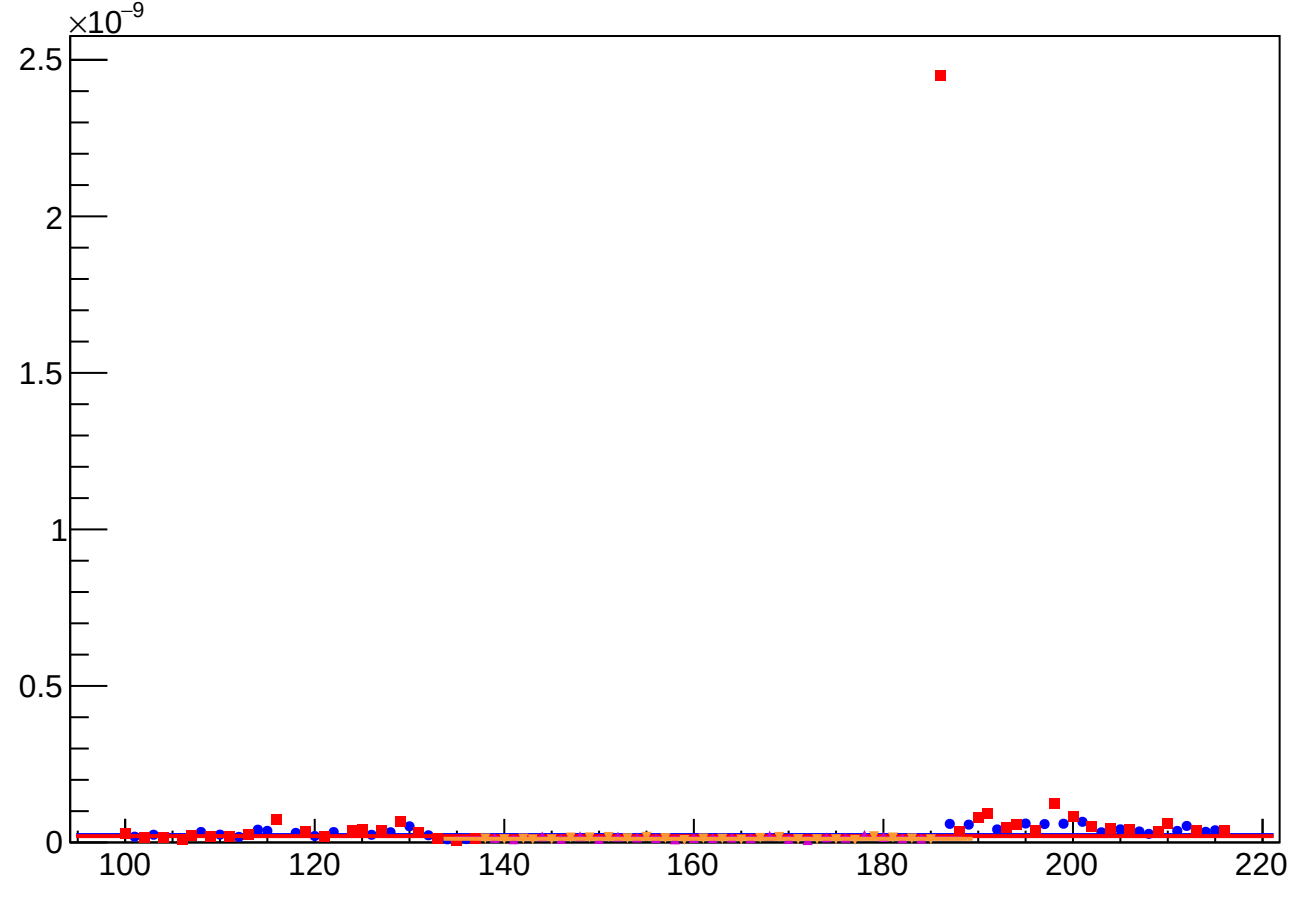
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.3/65

In: 0.000+/-0.000 χ^2/NDF:64.0/53

Out: 0.000+/-0.000 χ^2/NDF:52.9/59

All: 0.000+/-0.000 χ^2/NDF: 118.3/113



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: 6706832.8/34

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

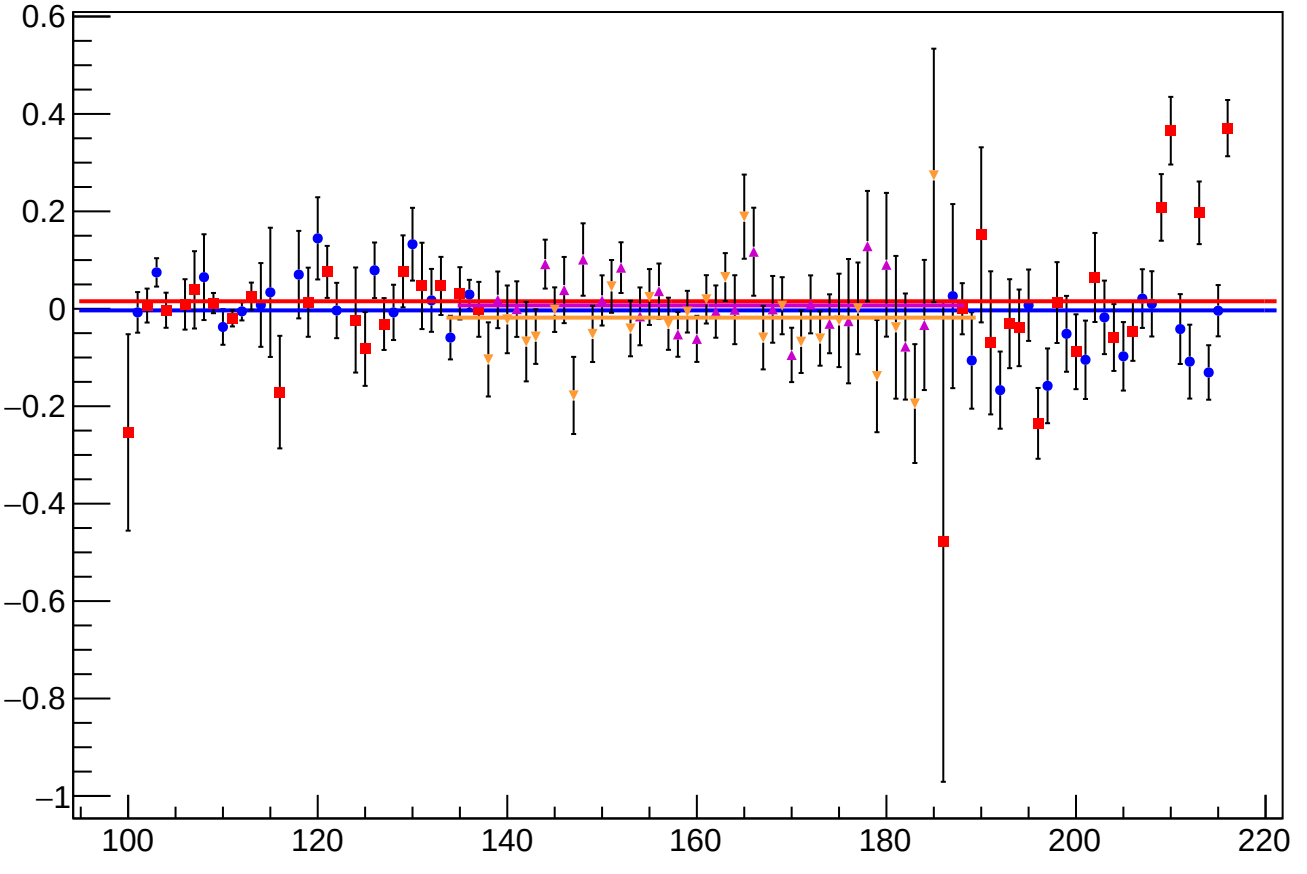
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11138848.9/65

In: 0.000+/-0.000 χ^2/NDF:6988109.2/53

Out: 0.000+/-0.000 χ^2/NDF:9044313.7/59

All: 0.000+/-0.000 χ^2/NDF: 16326760.6/113



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: 0.015+/-0.008 χ^2/NDF: 112.5/34

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

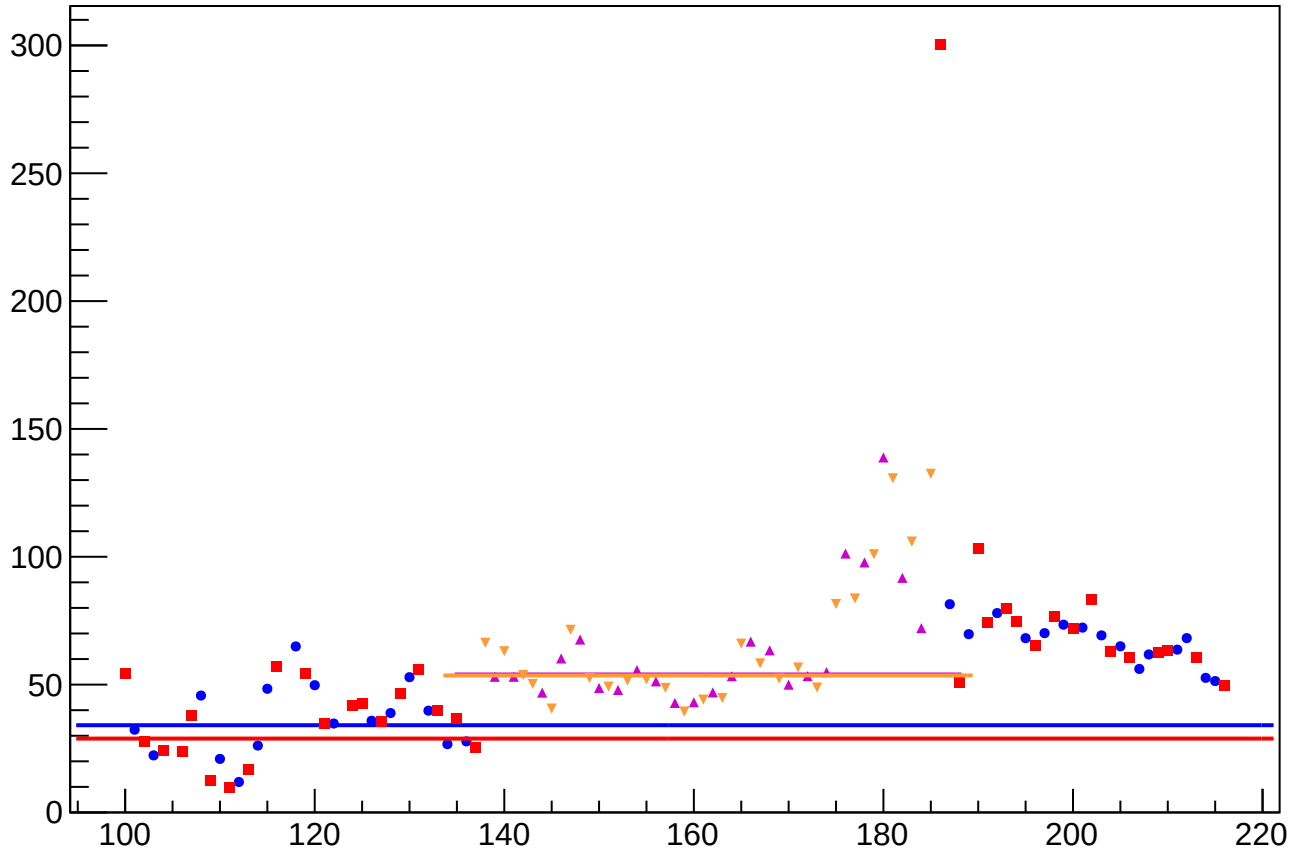
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.007+/-0.006 χ^2/NDF: 156.4/65

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.006+/-0.007 χ^2/NDF:141.7/59

All: 0.003+/-0.005 χ^2/NDF: 202.7/113



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: 28.889+/-0.006 χ^2/NDF: 13294496.0/34

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

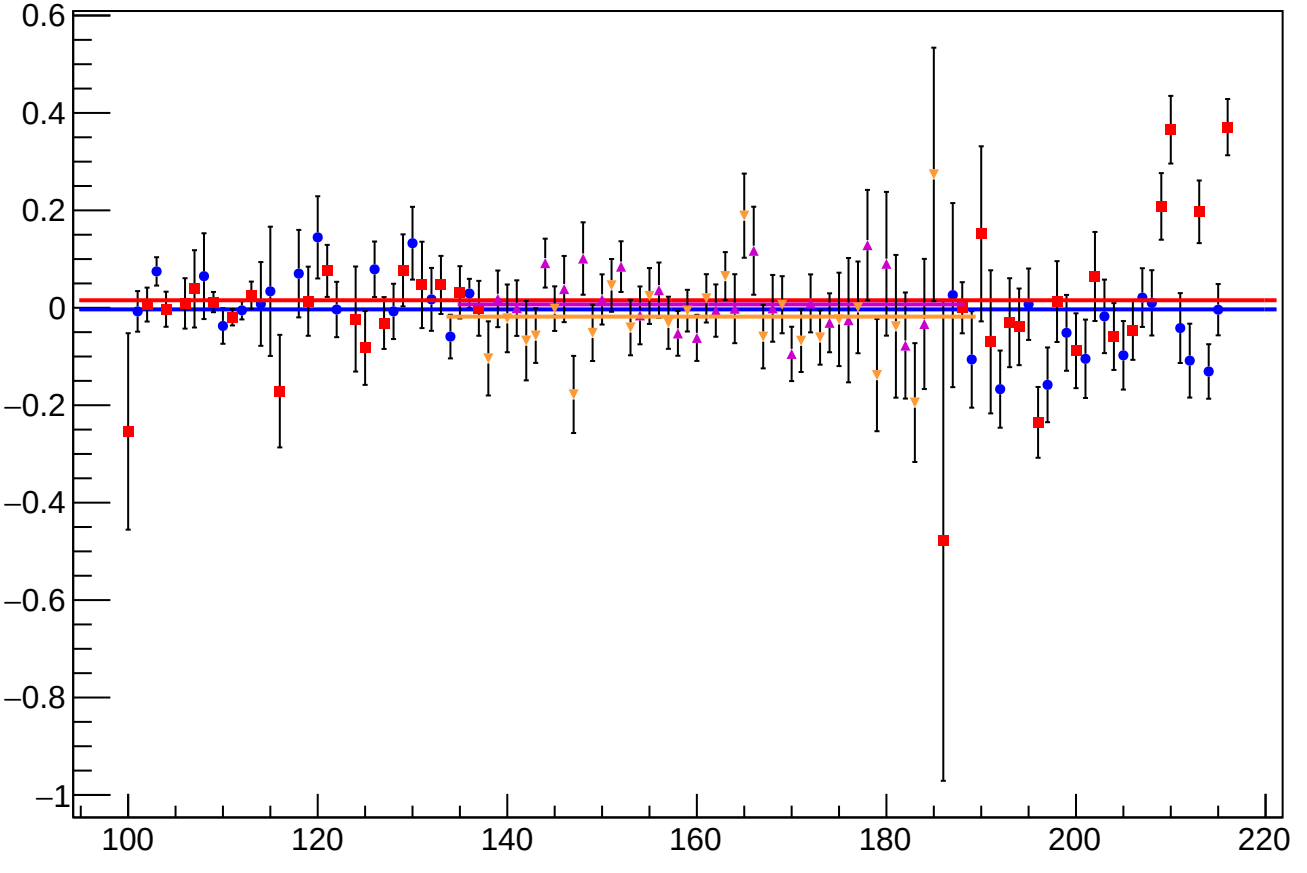
Right: 31.234+/-0.004 χ^2/NDF: 23200217.2/65

In: 40.614+/-0.005 χ^2/NDF:14630624.0/53

Out: 36.187+/-0.005 χ^2/NDF:21179714.7/59

All: 38.222+/-0.004 χ^2/NDF: 36182269.6/113

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.015+/-0.008 χ^2/NDF: 112.5/34

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

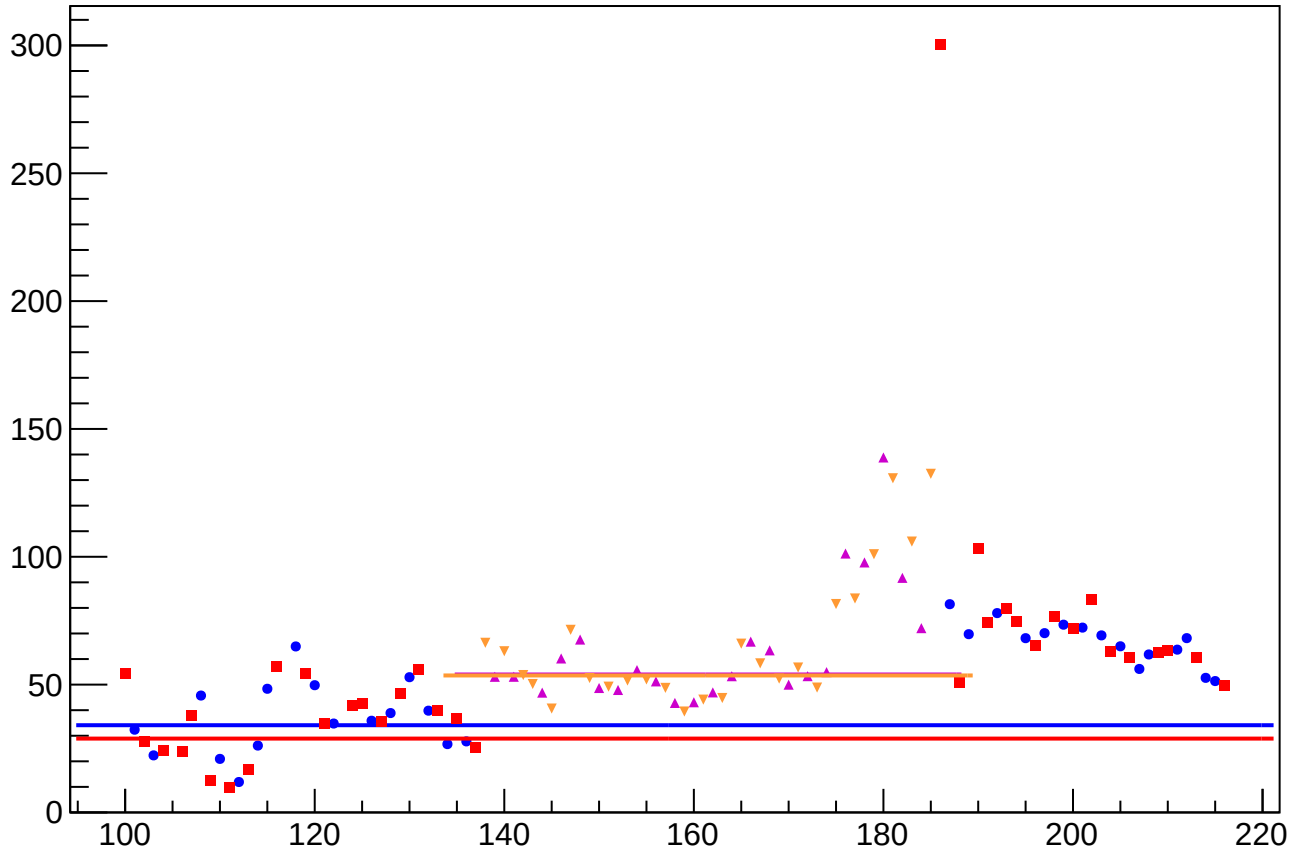
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.007+/-0.006 χ^2/NDF: 156.4/65

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.006+/-0.007 χ^2/NDF:141.7/59

All: 0.003+/-0.005 χ^2/NDF: 202.7/113



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: 28.889+/-0.006 χ^2/NDF: 13294496.0/34

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

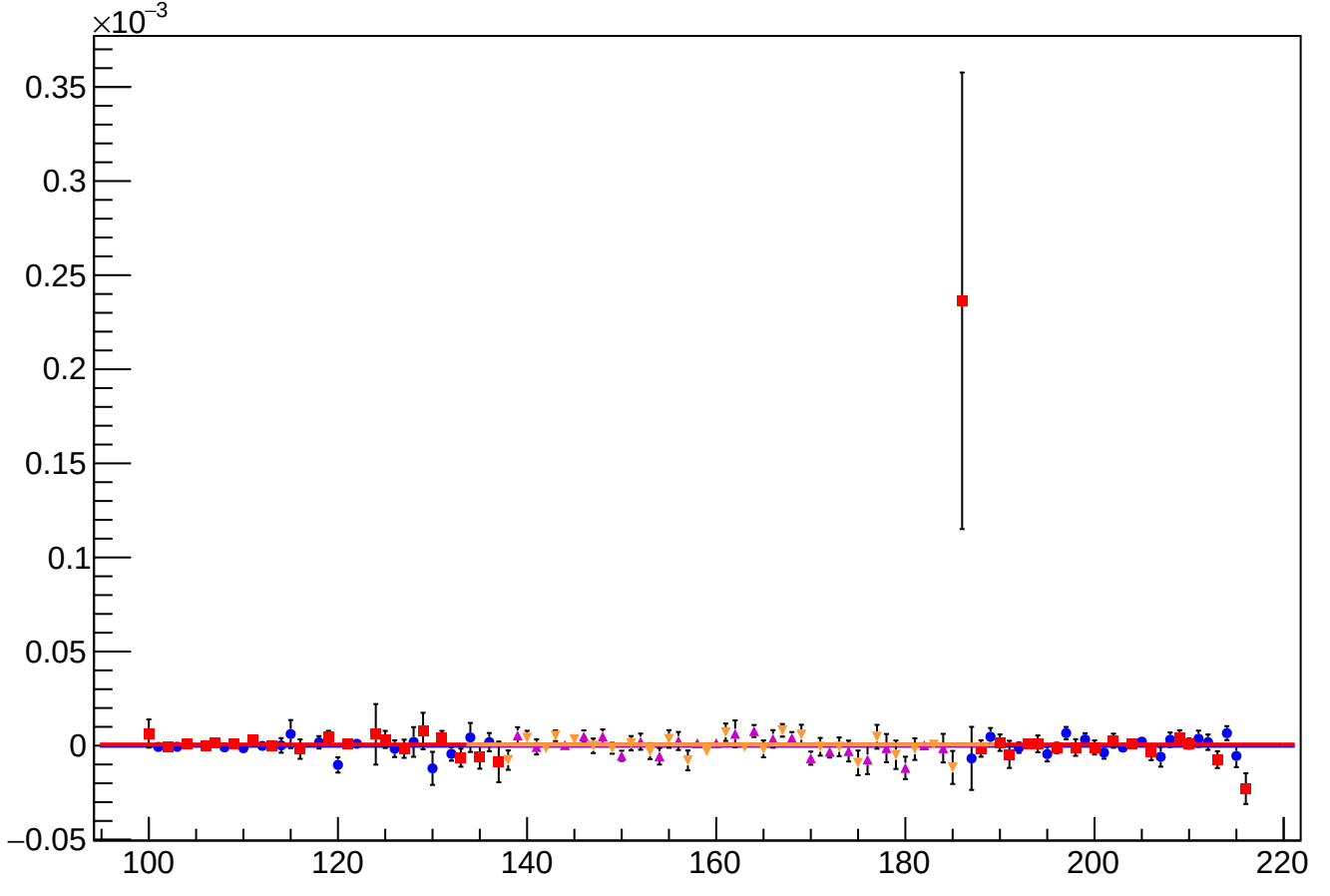
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 31.234+/-0.004 χ^2/NDF: 23200217.2/65

In: 40.614+/-0.005 χ^2/NDF:14630624.0/53

Out: 36.187+/-0.005 χ^2/NDF:21179714.7/59

All: 38.222+/-0.004 χ^2/NDF: 36182269.6/113



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: 31.2/34

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

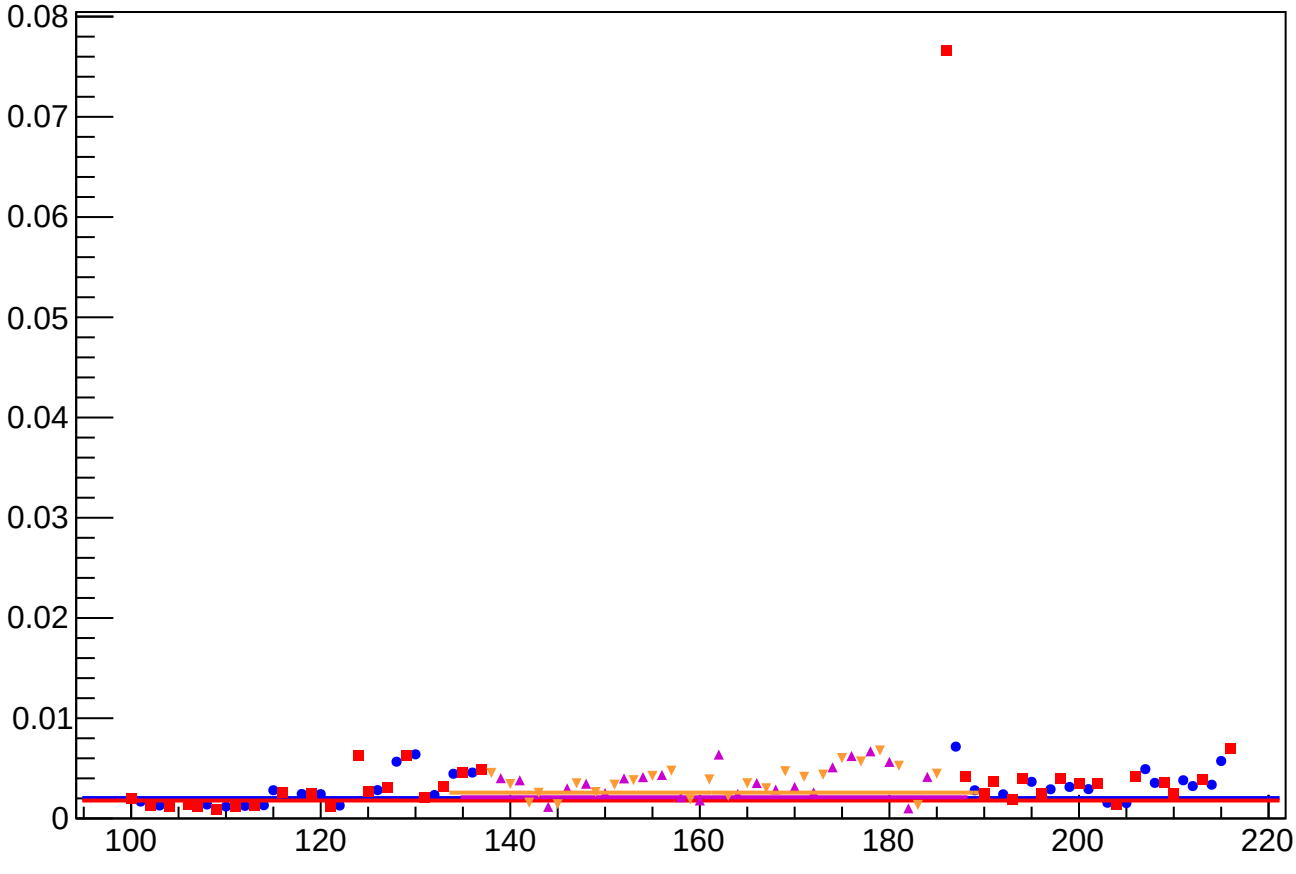
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 61.8/65

In: 0.000+/-0.000 χ^2/NDF:61.0/53

Out: 0.000+/-0.000 χ^2/NDF:62.1/59

All: 0.000+/-0.000 χ^2/NDF: 123.9/113



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: 9847138.9/34

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

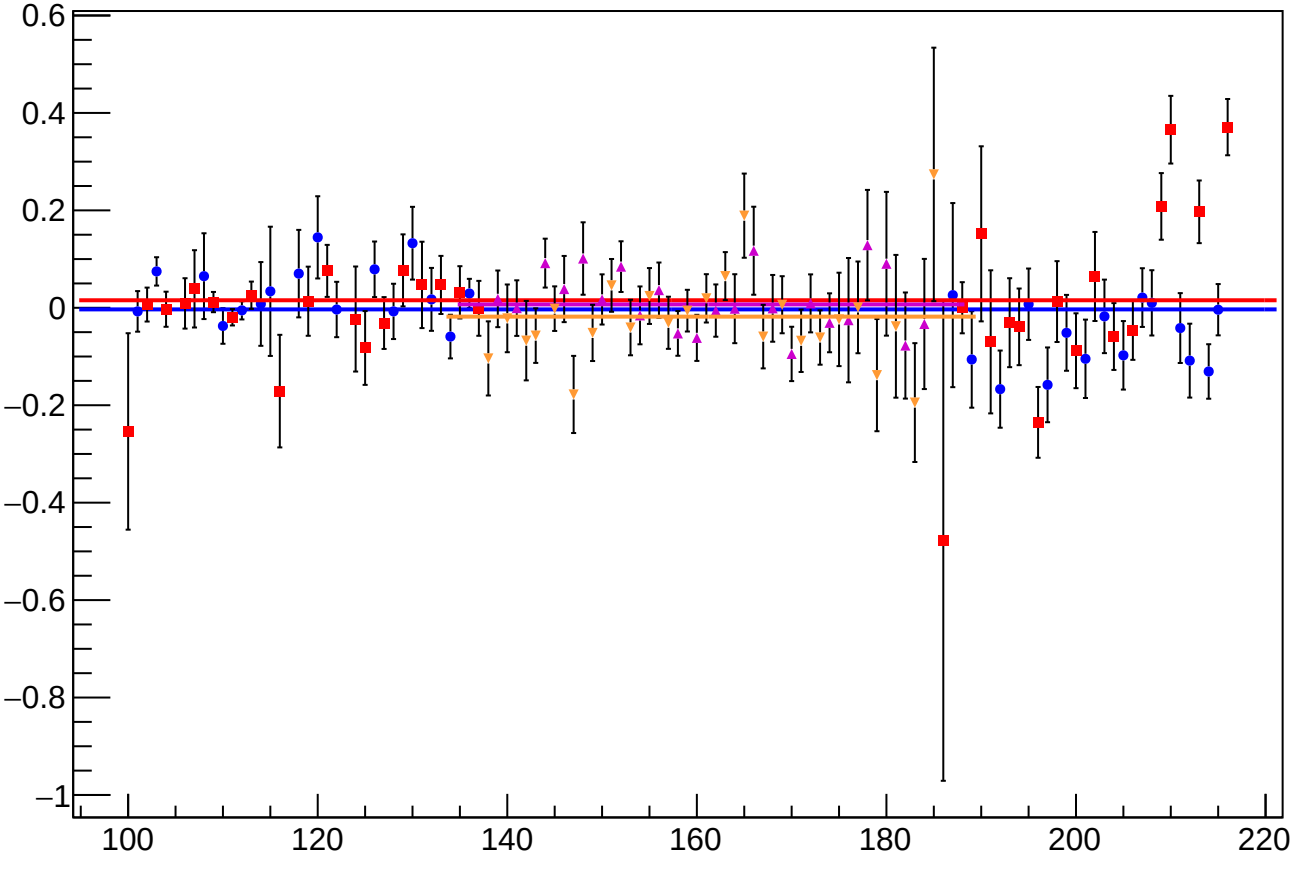
Right: 0.002+/-0.000 χ^2/NDF: 17446079.7/65

In: 0.002+/-0.000 χ^2/NDF:16880572.2/53

Out: 0.002+/-0.000 χ^2/NDF:18802618.0/59

All: 0.002+/-0.000 χ^2/NDF: 35683712.8/113

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.015+/-0.008 χ^2/NDF: 112.5/34

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

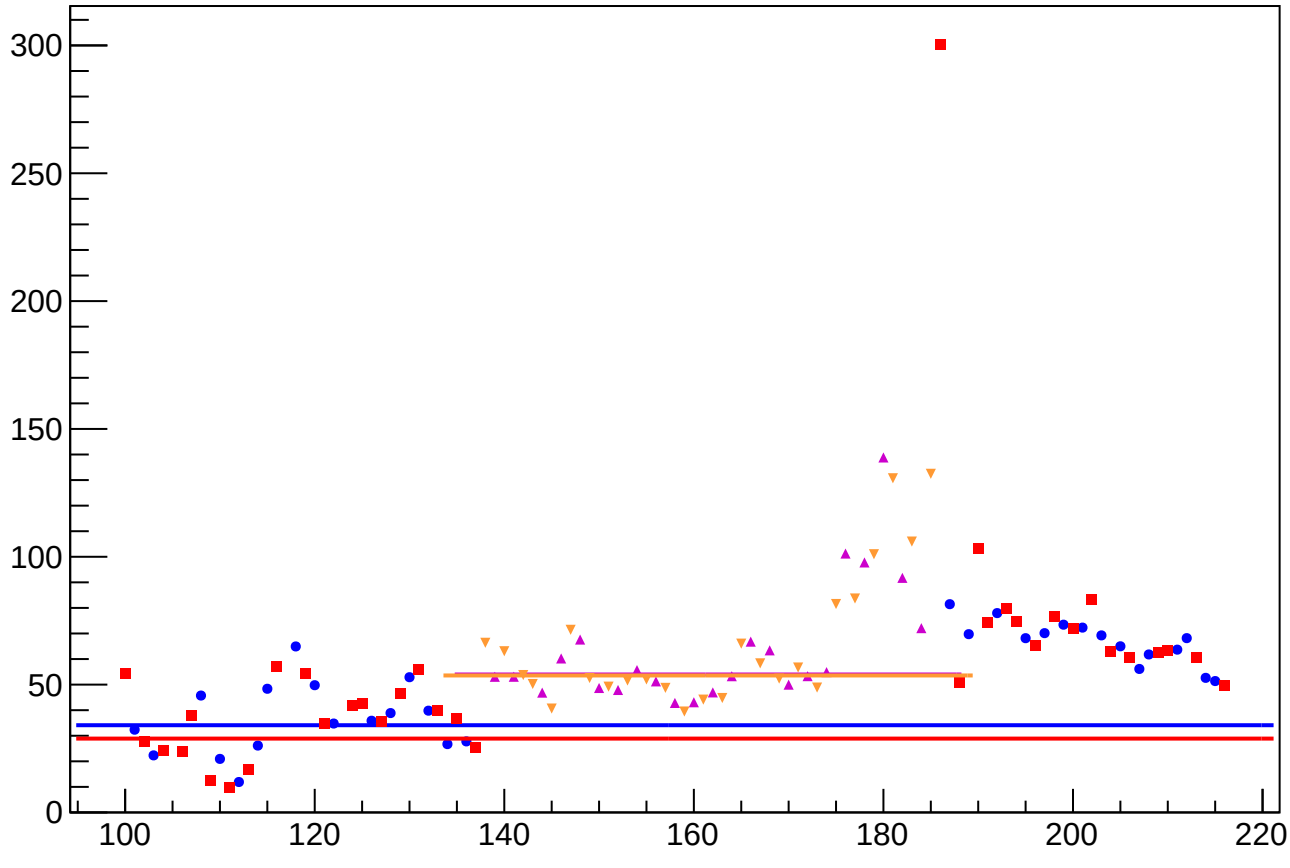
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.007+/-0.006 χ^2/NDF: 156.4/65

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.006+/-0.007 χ^2/NDF:141.7/59

All: 0.003+/-0.005 χ^2/NDF: 202.7/113



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: 28.888+/-0.006 χ^2/NDF: 13294691.5/34

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

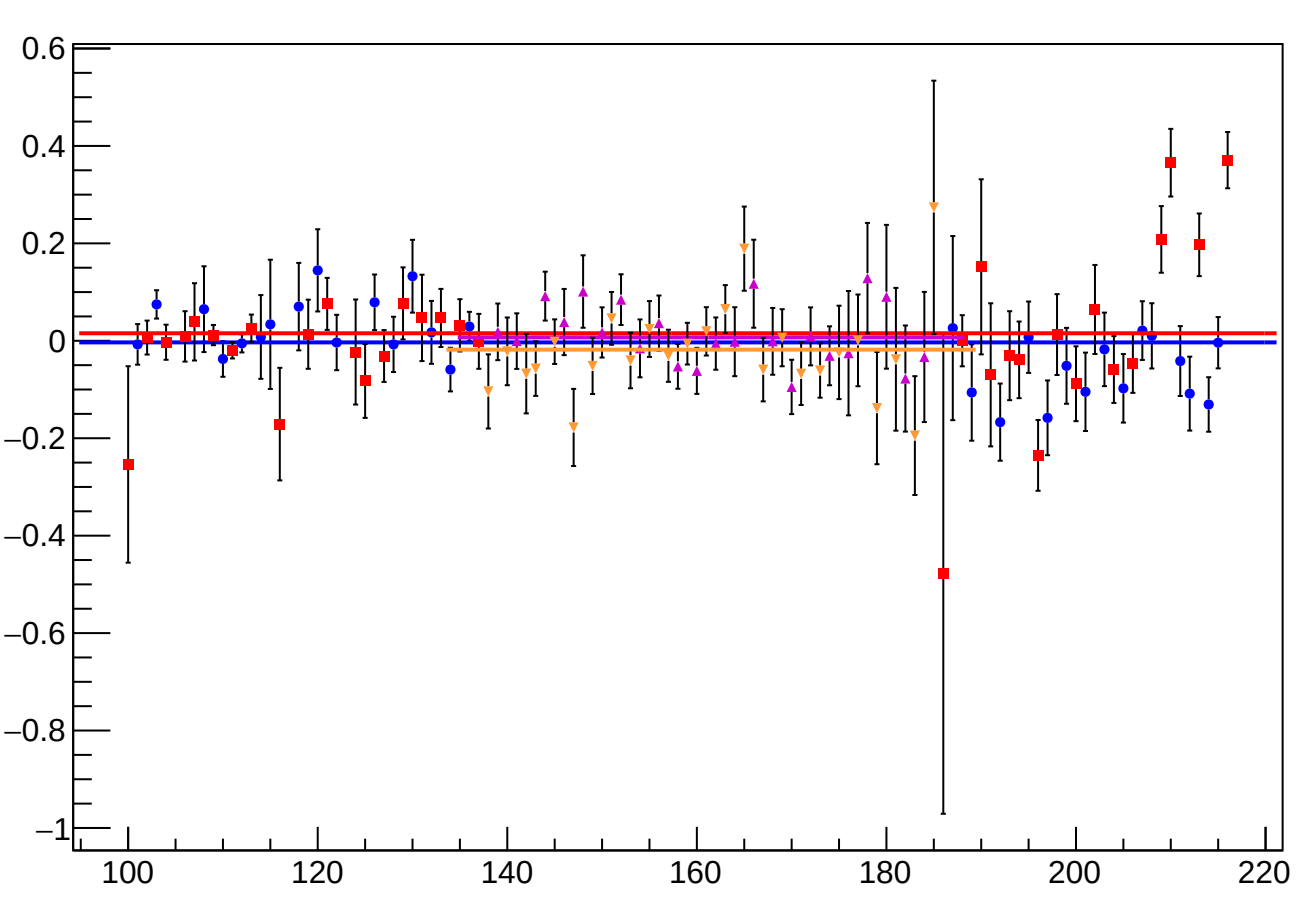
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 31.233+/-0.004 χ^2/NDF: 23200584.9/65

In: 40.614+/-0.005 χ^2/NDF:14631135.0/53

Out: 36.187+/-0.005 χ^2/NDF:21180407.6/59

All: 38.221+/-0.004 χ^2/NDF: 36183502.9/113



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: 0.015+/-0.008 χ^2/NDF: 112.5/34

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

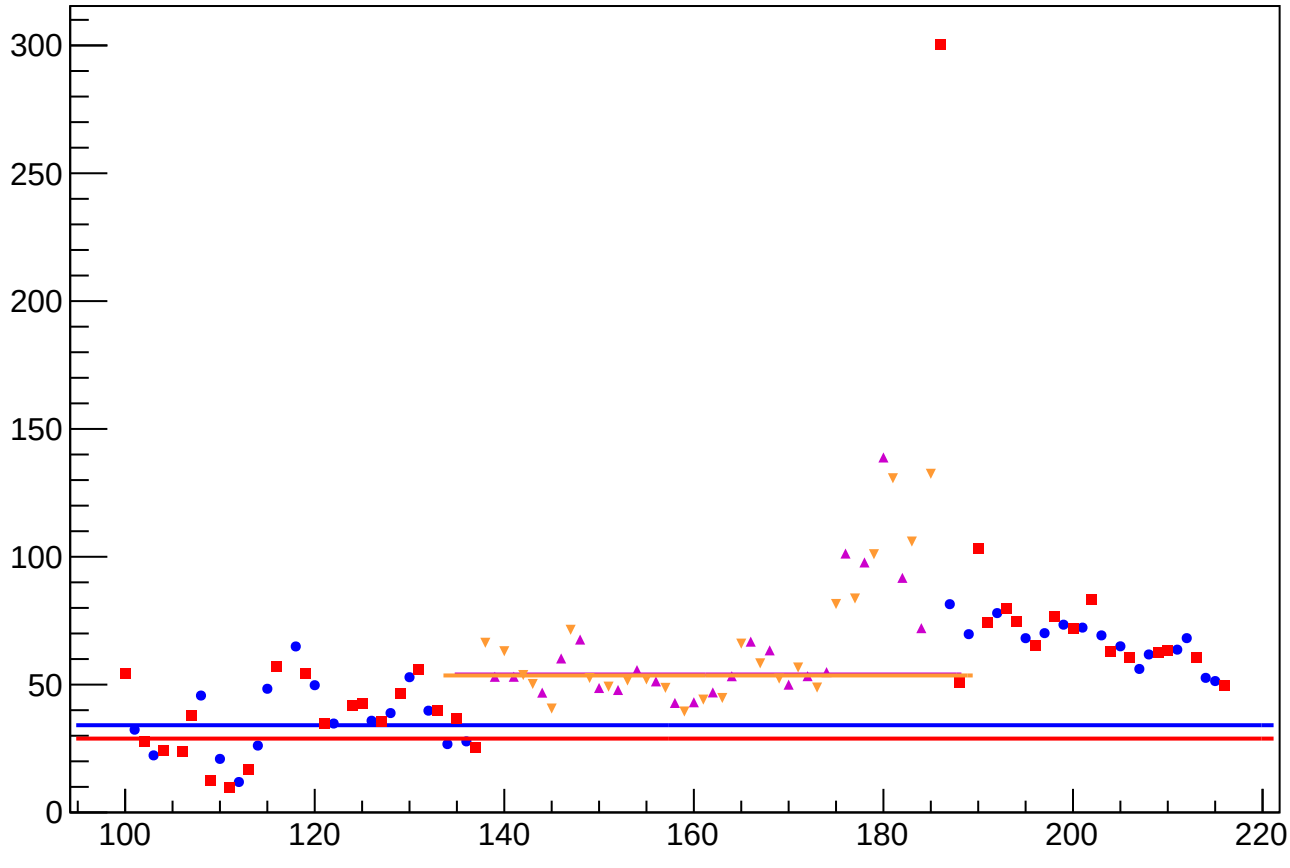
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.007+/-0.006 χ^2/NDF: 156.4/65

In: 0.000+/-0.008 χ^2/NDF:60.7/53

Out: 0.006+/-0.007 χ^2/NDF:141.7/59

All: 0.003+/-0.005 χ^2/NDF: 202.7/113



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: 28.888+/-0.006 χ^2/NDF: 13294691.5/34

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

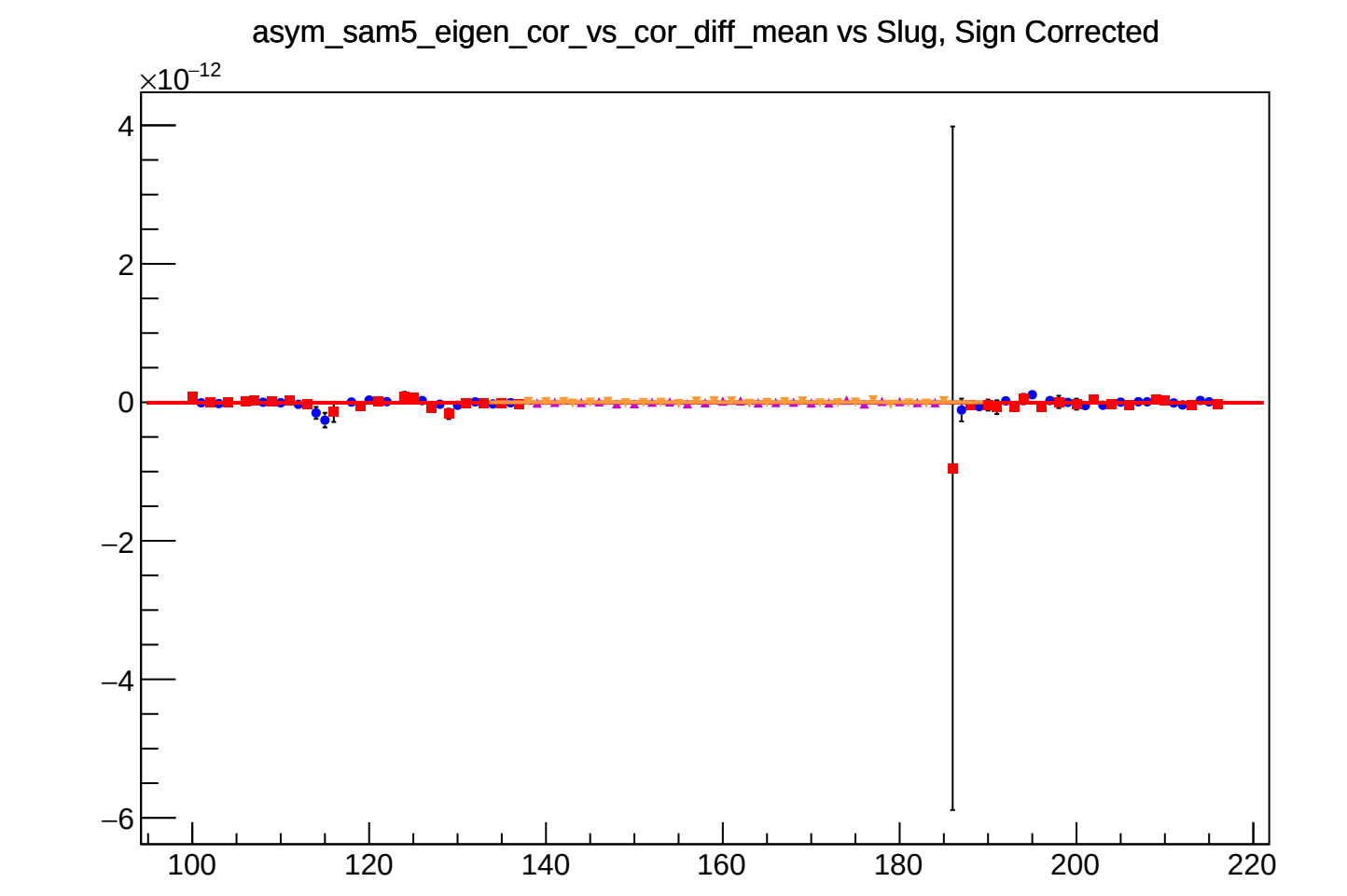
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 31.233+/-0.004 χ^2/NDF: 23200584.9/65

In: 40.614+/-0.005 χ^2/NDF:14631135.0/53

Out: 36.187+/-0.005 χ^2/NDF:21180407.6/59

All: 38.221+/-0.004 χ^2/NDF: 36183502.9/113



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: 40.6/34

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

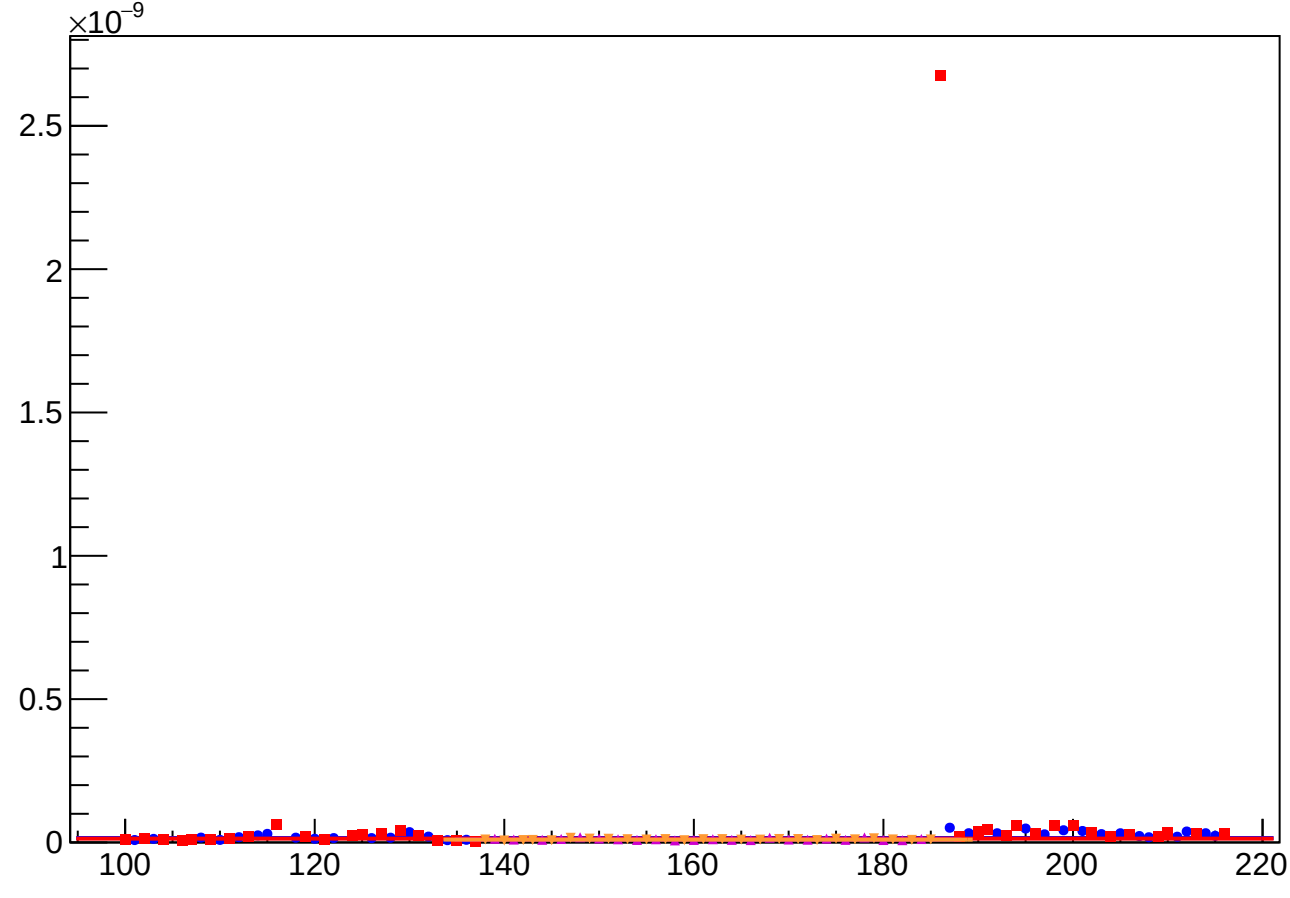
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 64.4/65

In: -0.000+/-0.000 χ^2/NDF:42.8/53

Out: -0.000+/-0.000 χ^2/NDF:69.7/59

All: -0.000+/-0.000 χ^2/NDF: 112.7/113



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: 9339269.3/34

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

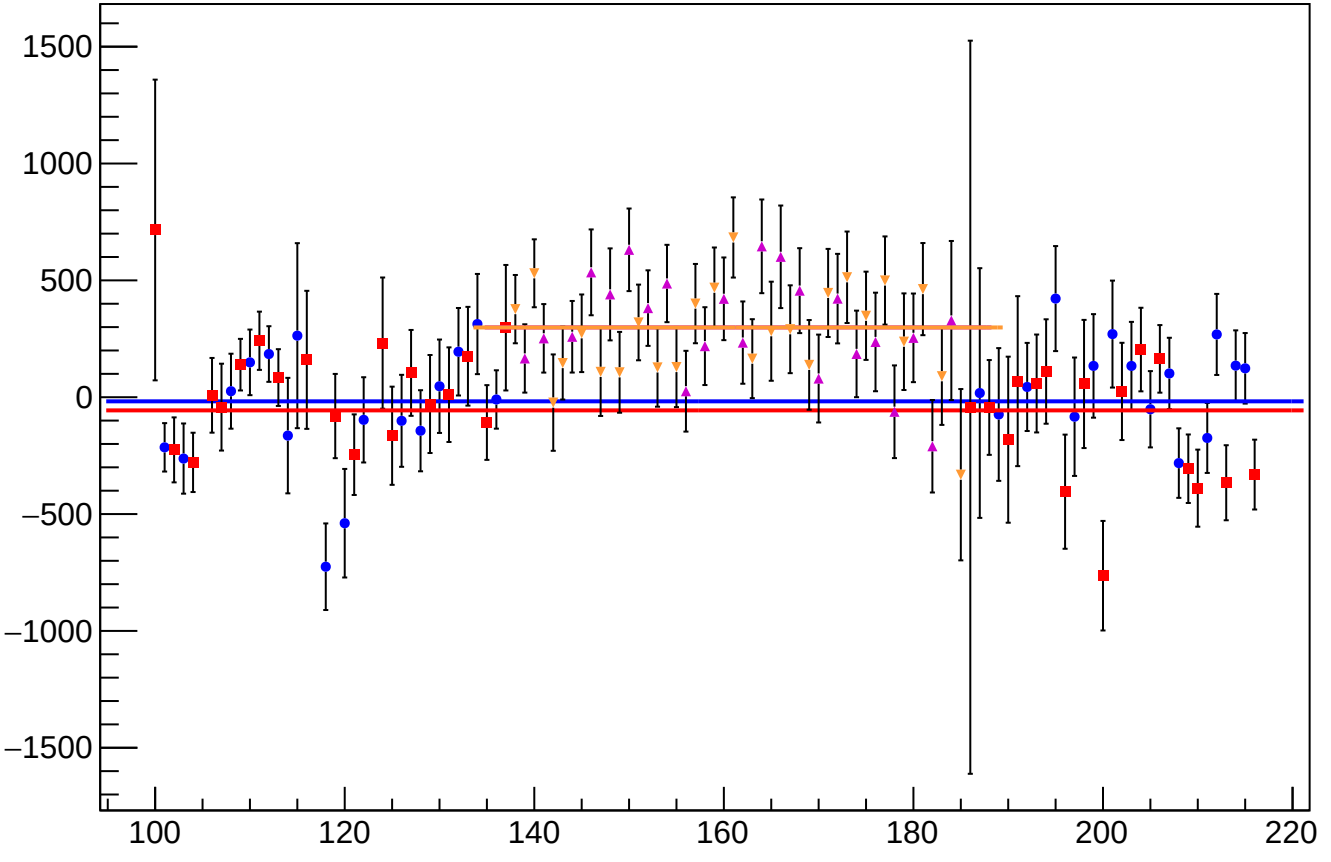
Right: 0.000+/-0.000 χ^2/NDF: 15527183.3/65

In: 0.000+/-0.000 χ^2/NDF:8910068.9/53

Out: 0.000+/-0.000 χ^2/NDF:11359460.4/59

All: 0.000+/-0.000 χ^2/NDF: 20368317.7/113

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: -56.318+/-30.680 χ^2/NDF: 54.5/34

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

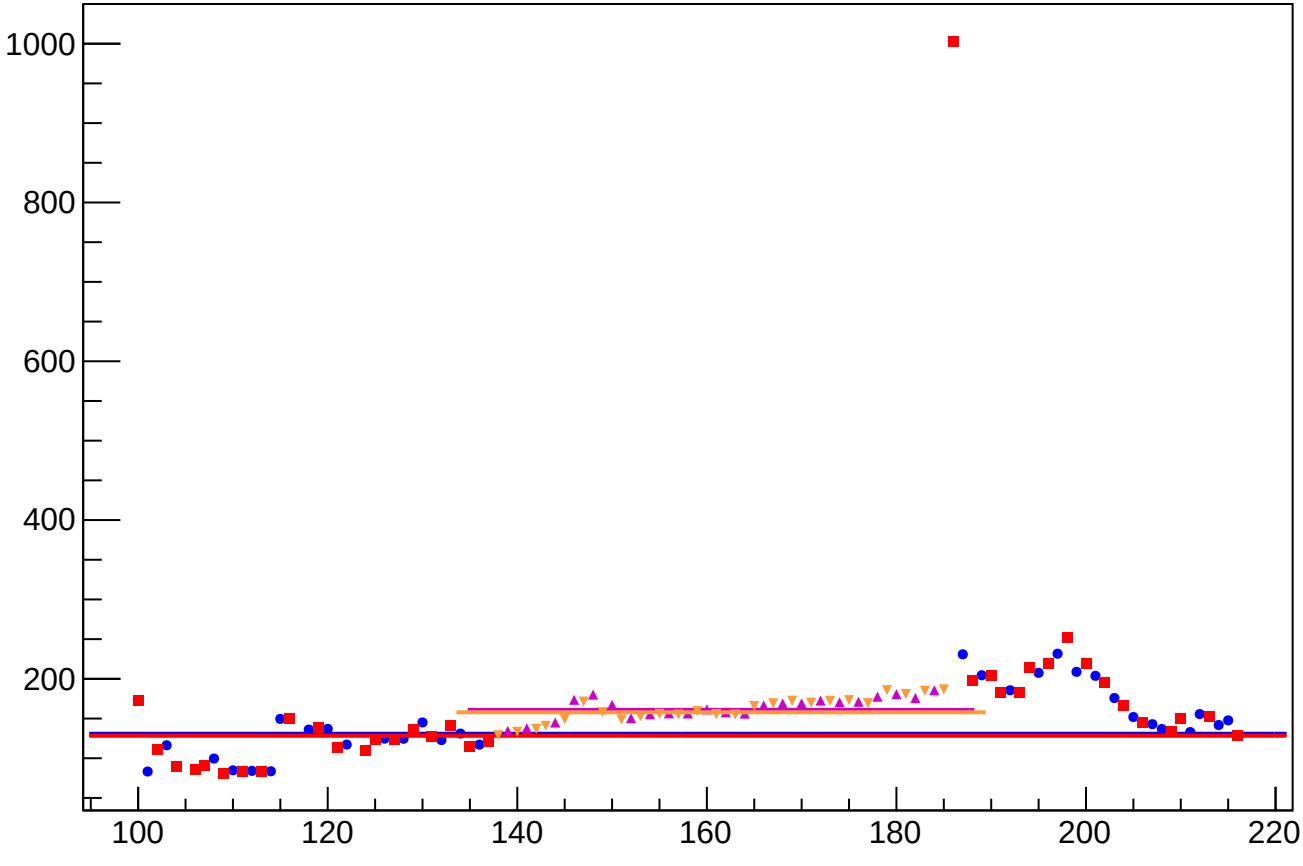
Right: -37.216+/-21.836 χ^2/NDF: 107.3/65

In: 110.282+/-23.990 χ^2/NDF:123.4/53

Out: 92.727+/-23.365 χ^2/NDF:136.6/59

All: 101.273+/-16.738 χ^2/NDF: 260.3/113

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: 128.278+/-0.022 χ^2/NDF: 4246561.4/34

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

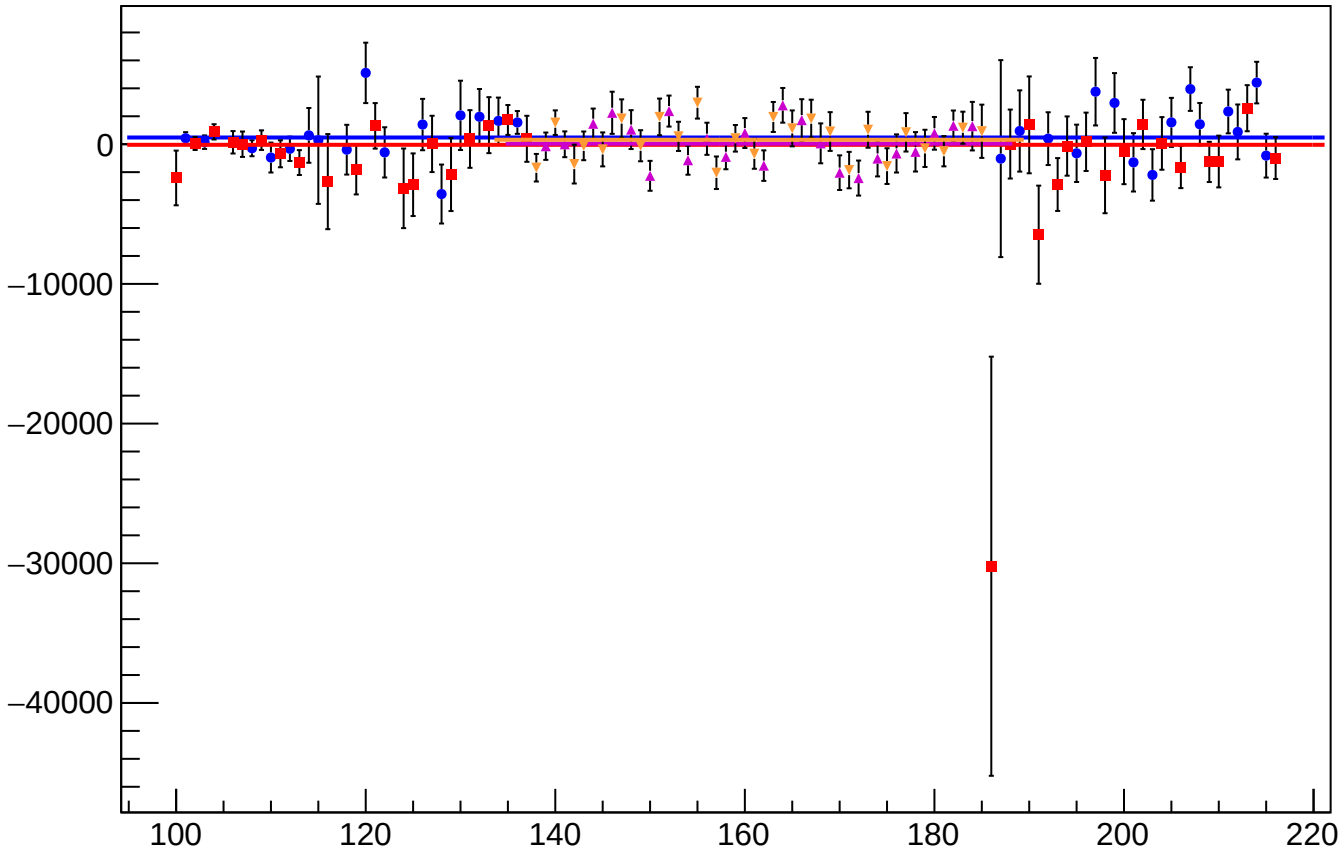
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.550+/-0.015 χ^2/NDF: 7042317.0/65

In: 142.993+/-0.017 χ^2/NDF:3811376.6/53

Out: 140.694+/-0.017 χ^2/NDF:5403514.0/59

All: 141.813+/-0.012 χ^2/NDF: 9224322.3/113



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: -42.828+/-210.506 χ^2/NDF: 32.7/34

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

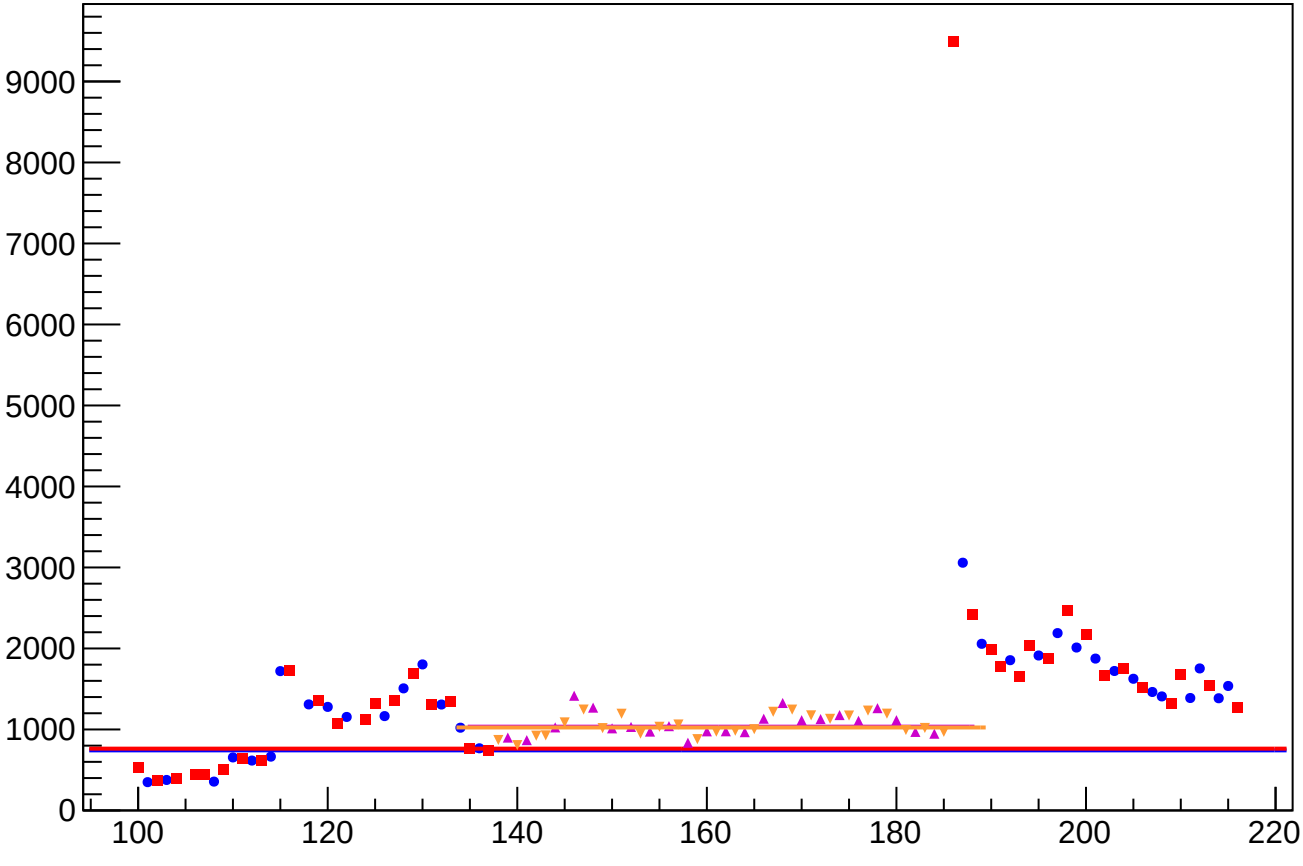
Right: 221.768+/-148.049 χ^2/NDF: 74.3/65

In: 294.786+/-158.447 χ^2/NDF:75.2/53

Out: 118.611+/-156.822 χ^2/NDF:66.5/59

All: 205.790+/-111.460 χ^2/NDF: 142.3/113

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



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: 763.073+/-0.149 χ^2/NDF: 12865164.7/34

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

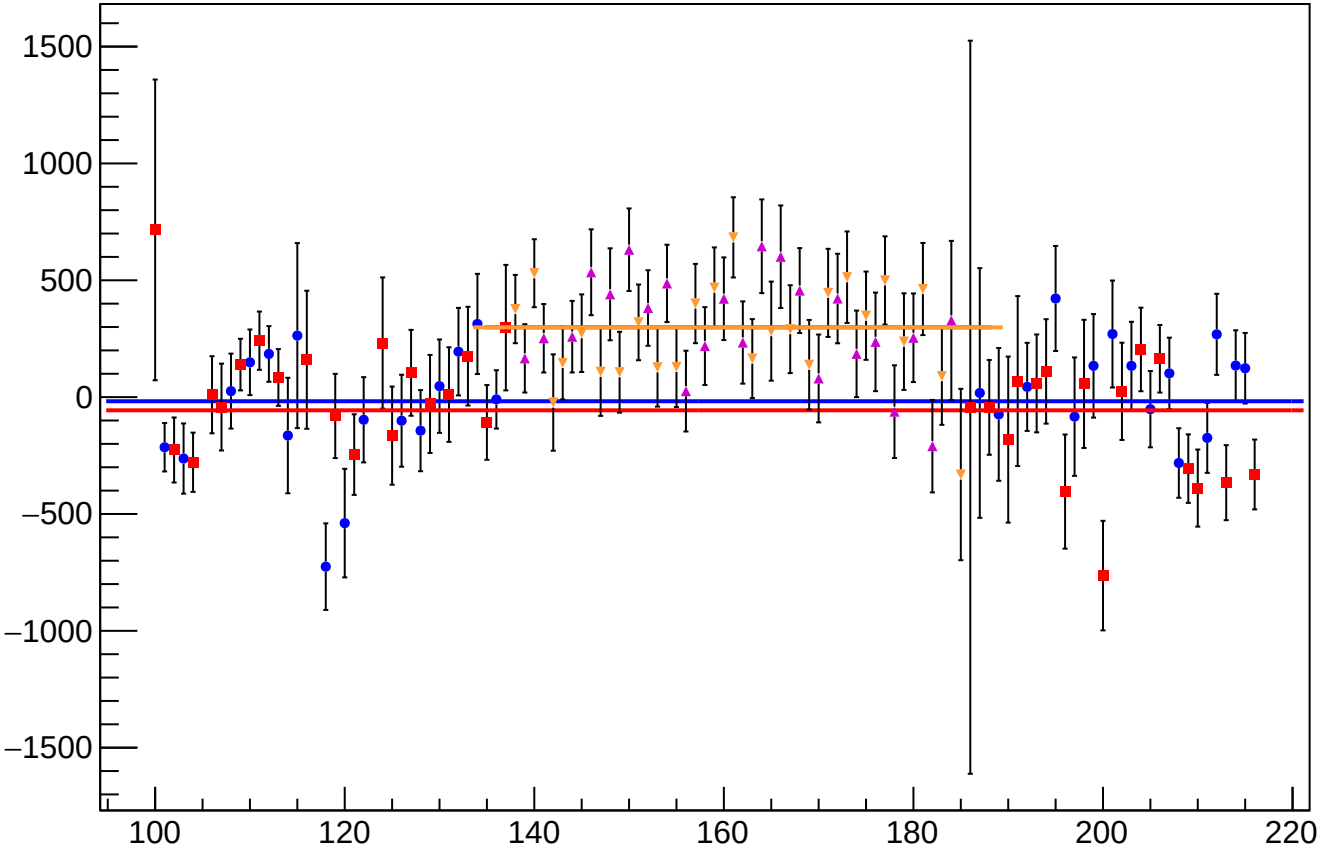
Right: 752.382+/-0.105 χ^2/NDF: 25731325.1/65

In: 865.107+/-0.112 χ^2/NDF:15146093.9/53

Out: 879.407+/-0.111 χ^2/NDF:14835406.1/59

All: 872.331+/-0.079 χ^2/NDF: 29989729.0/11

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: -56.413+/-30.715 χ^2/NDF: 54.5/34

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

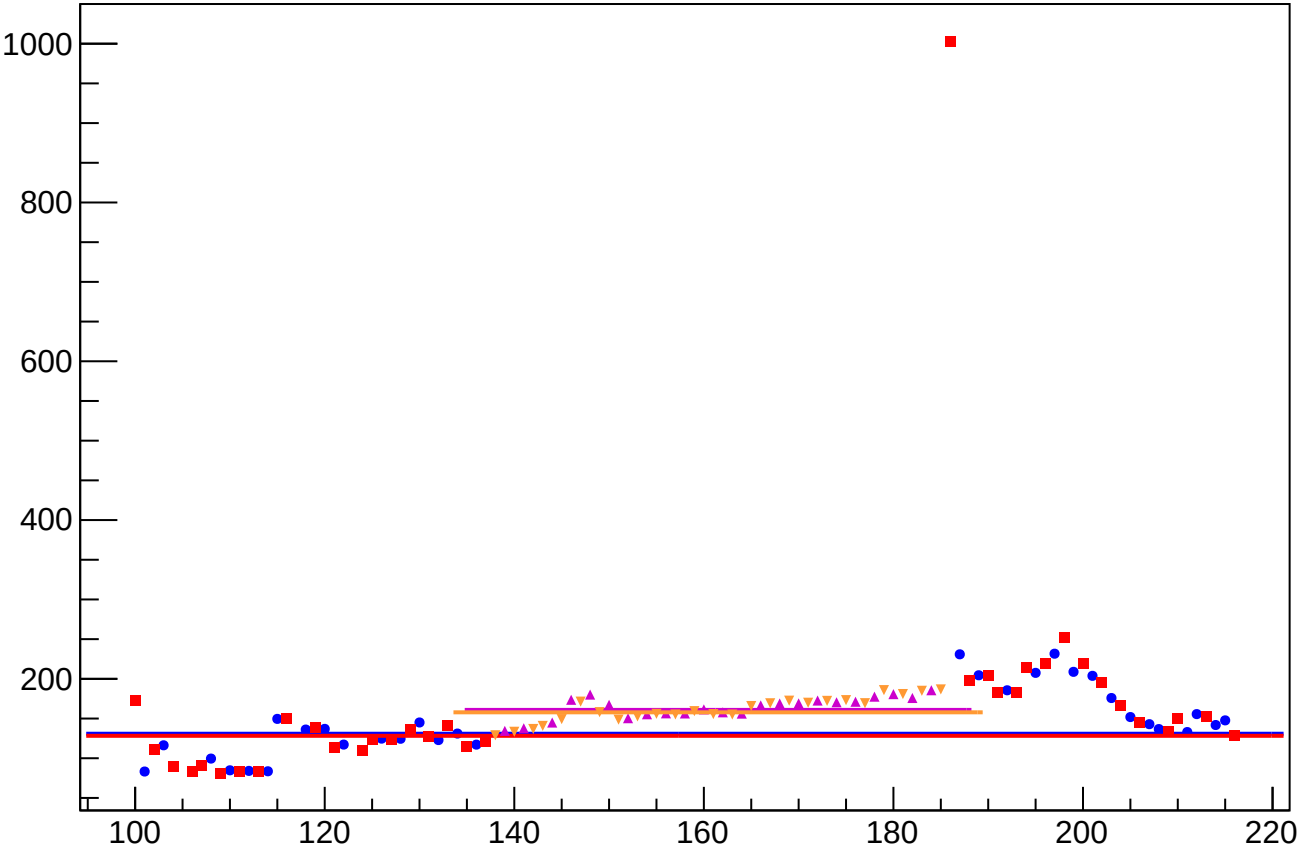
Right: -37.250+/-21.848 χ^2/NDF: 107.3/65

In: 110.277+/-23.990 χ^2/NDF:123.4/53

Out: 92.866+/-23.380 χ^2/NDF:136.6/59

All: 101.347+/-16.744 χ^2/NDF: 260.3/113

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: 128.264+/-0.022 χ^2/NDF: 4258379.2/34

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

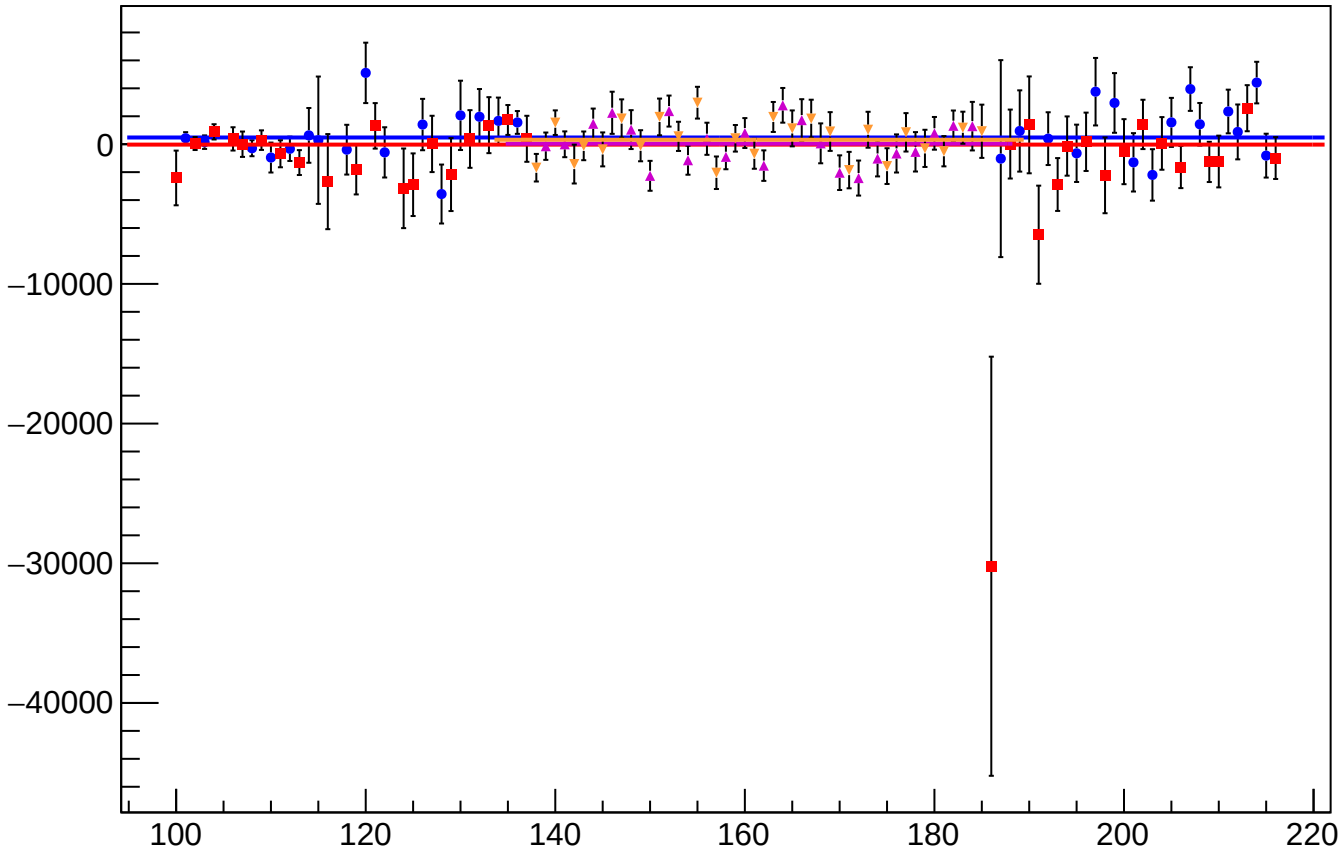
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.544+/-0.015 χ^2/NDF: 7054201.6/65

In: 142.993+/-0.017 χ^2/NDF:3811372.3/53

Out: 140.702+/-0.017 χ^2/NDF:5415341.5/59

All: 141.818+/-0.012 χ^2/NDF: 9236074.5/113



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: -28.790+/-210.973 χ^2/NDF: 32.9/34

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

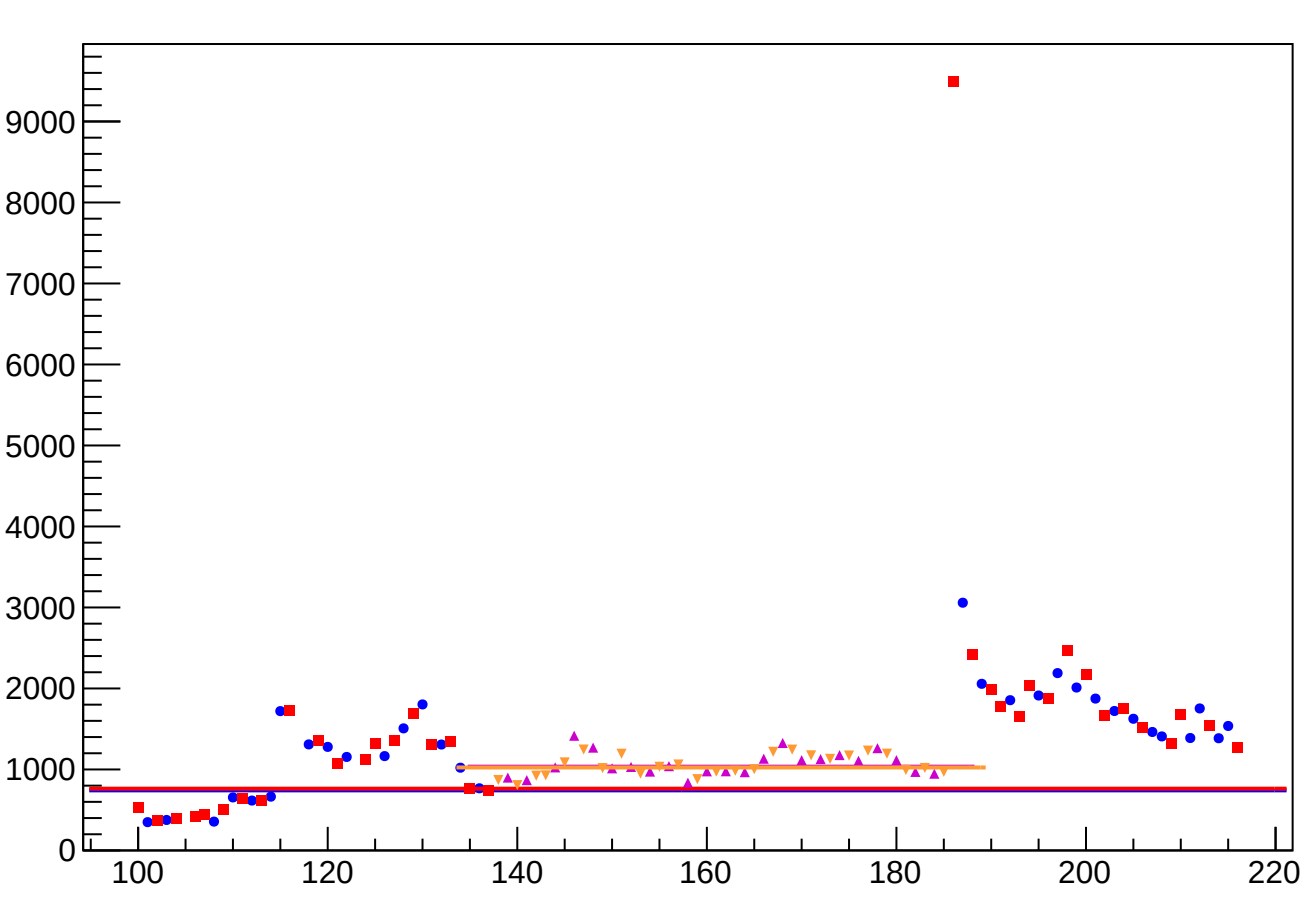
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 229.335+/-148.209 χ^2/NDF: 74.4/65

In: 294.852+/-158.445 χ^2/NDF:75.2/53

Out: 126.785+/-157.015 χ^2/NDF:66.6/59

All: 210.057+/-111.528 χ^2/NDF: 142.4/113



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: 762.668+/-0.149 χ^2/NDF: 12900262.1/34

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

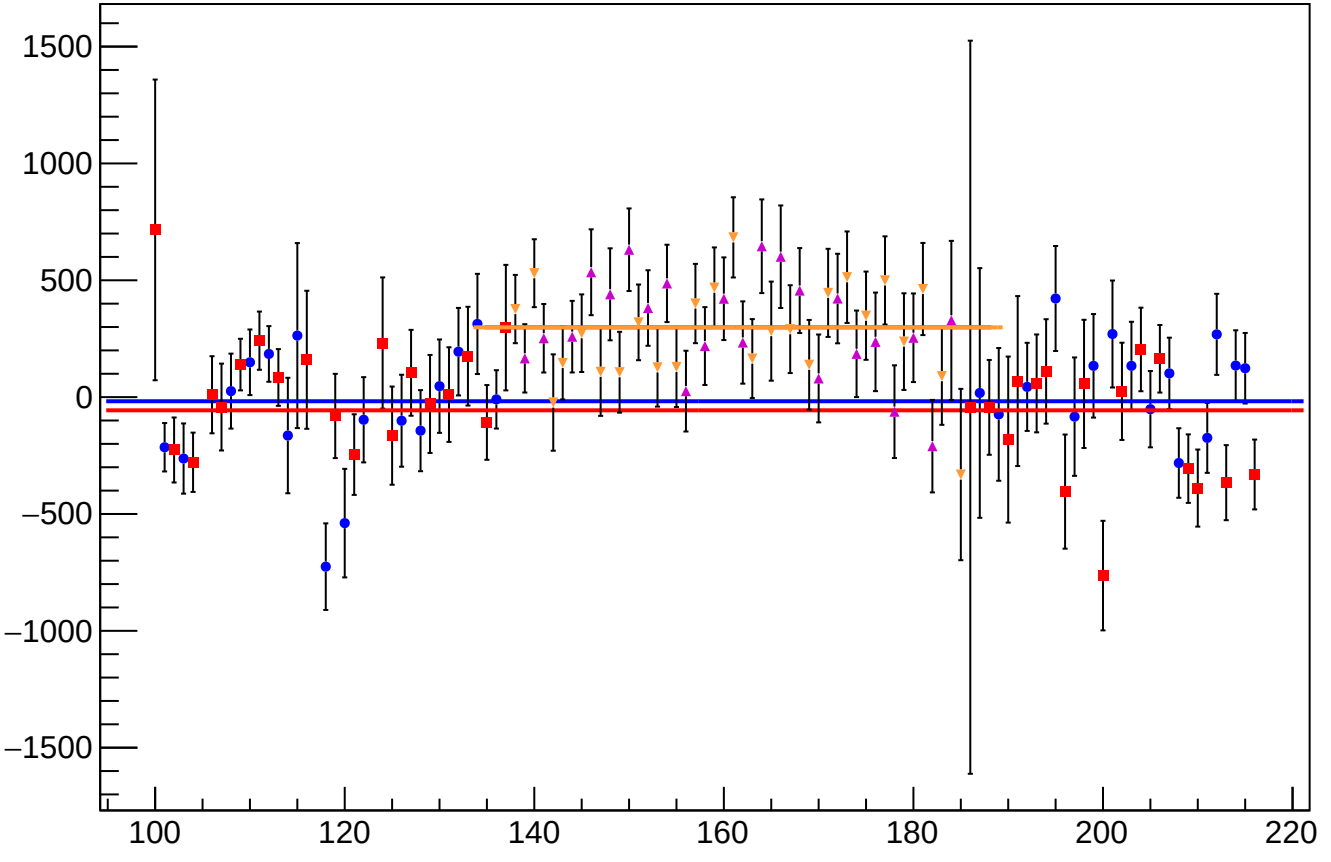
Right: 752.144+/-0.105 χ^2/NDF: 25766673.1/65

In: 865.088+/-0.112 χ^2/NDF:15147079.5/53

Out: 879.469+/-0.111 χ^2/NDF:14872043.2/59

All: 872.344+/-0.079 χ^2/NDF: 30027436.1/11

eigen_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: -56.413+/-30.715 χ^2/NDF: 54.5/34

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

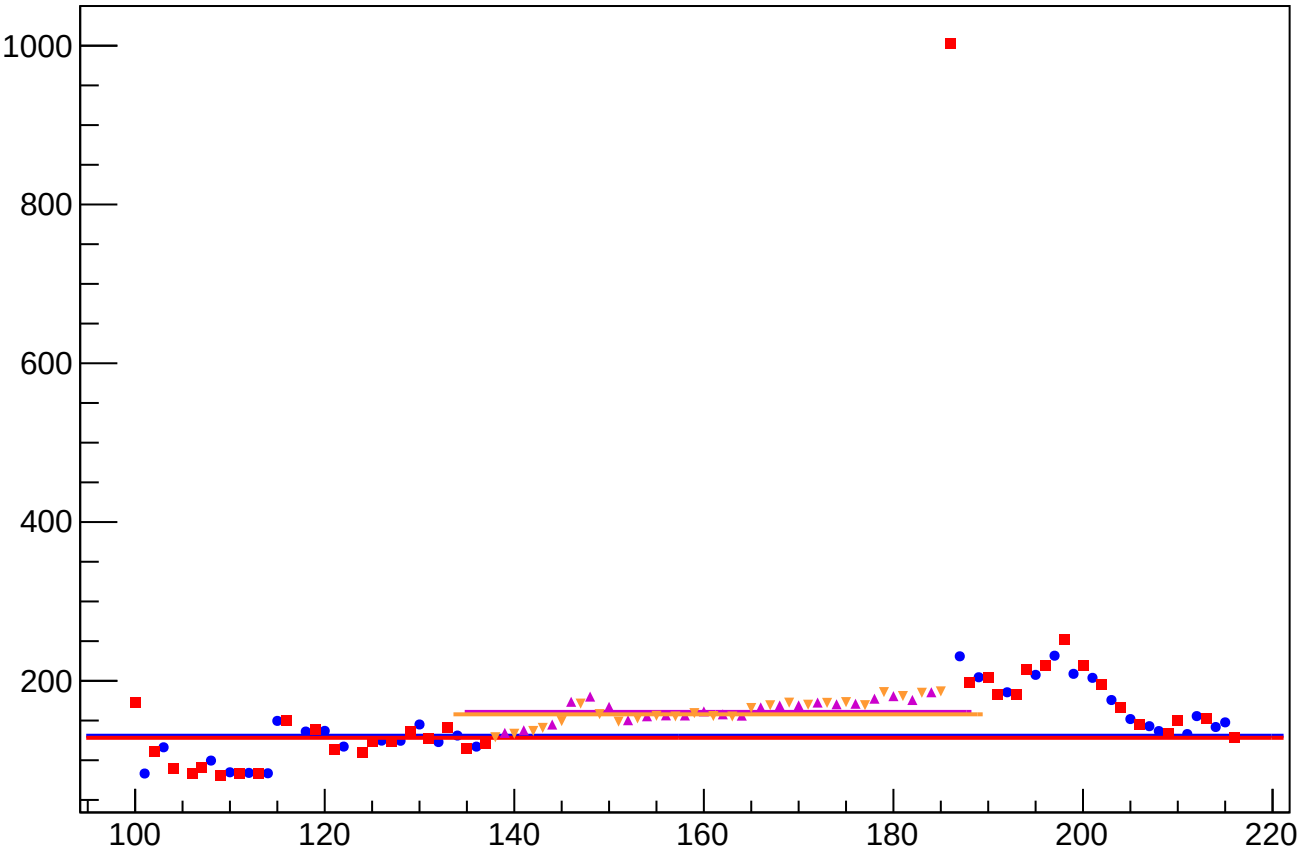
Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

Right: -37.250+/-21.848 χ^2/NDF: 107.3/65

In: 110.277+/-23.990 χ^2/NDF:123.4/53

Out: 92.866+/-23.380 χ^2/NDF:136.6/59

All: 101.347+/-16.744 χ^2/NDF: 260.3/113



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: 128.264+/-0.022 χ^2/NDF: 4258379.2/34

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

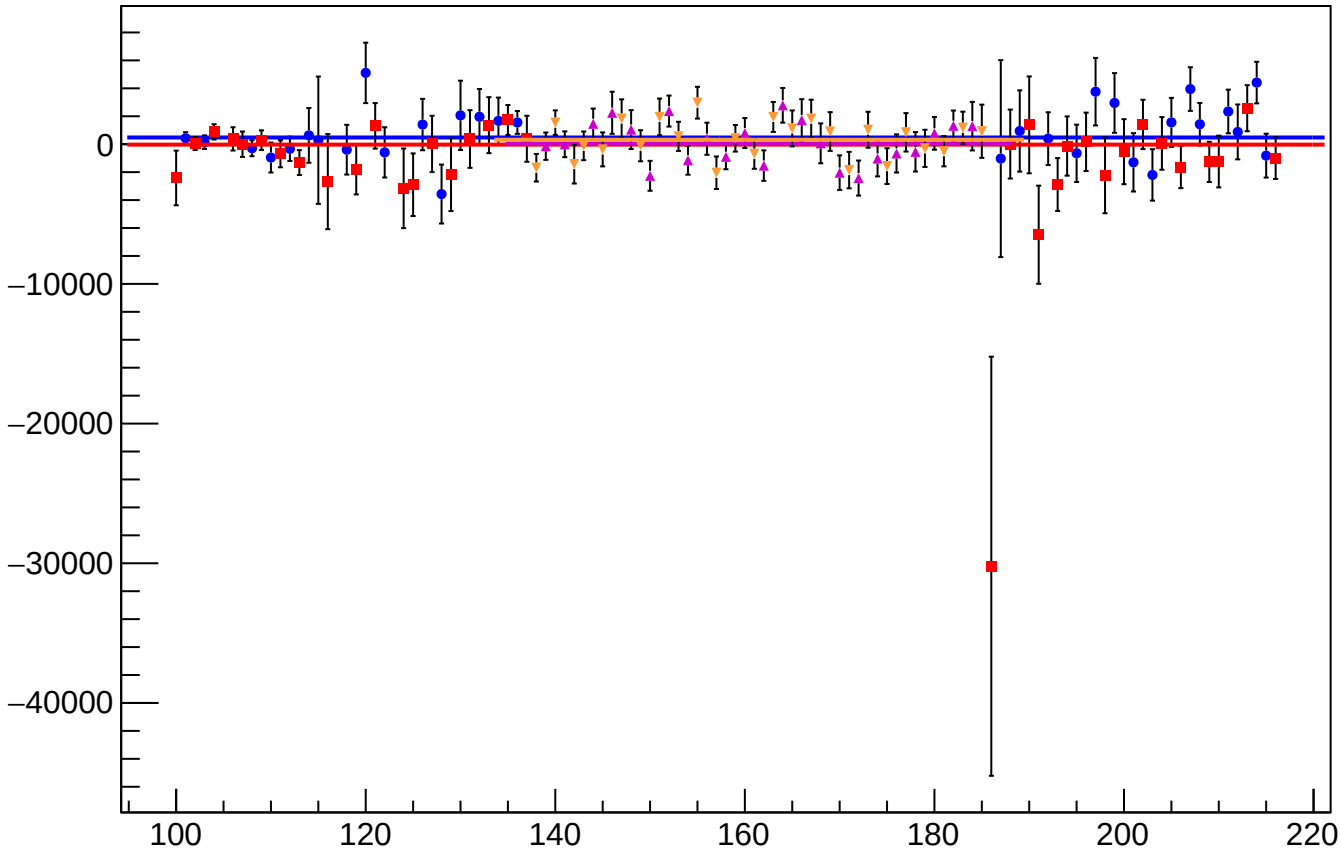
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 129.544+/-0.015 χ^2/NDF: 7054201.6/65

In: 142.993+/-0.017 χ^2/NDF:3811372.3/53

Out: 140.702+/-0.017 χ^2/NDF:5415341.5/59

All: 141.818+/-0.012 χ^2/NDF: 9236074.5/113



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: -28.790+/-210.973 χ^2/NDF: 32.9/34

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

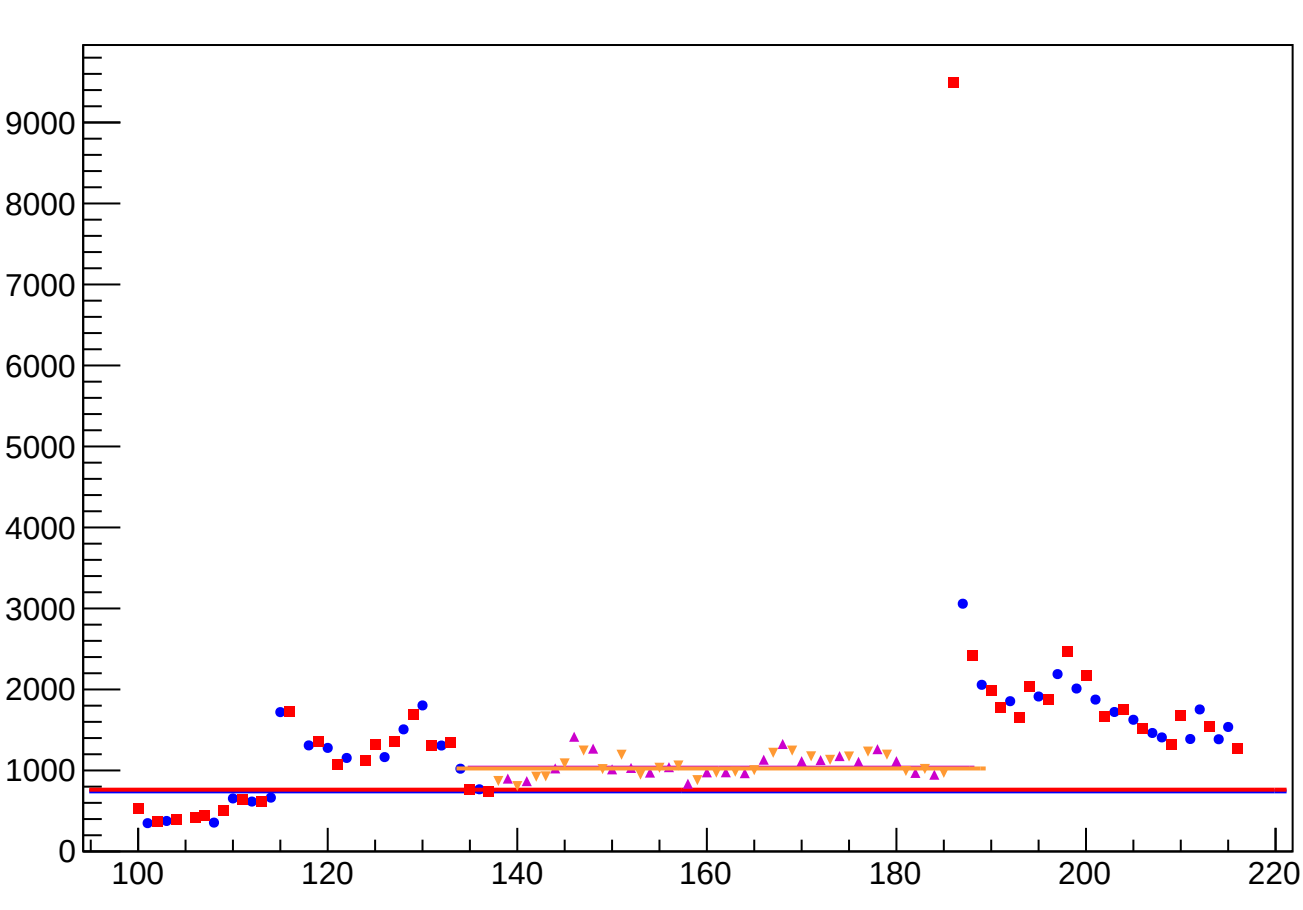
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 229.335+/-148.209 χ^2/NDF: 74.4/65

In: 294.852+/-158.445 χ^2/NDF:75.2/53

Out: 126.785+/-157.015 χ^2/NDF:66.6/59

All: 210.057+/-111.528 χ^2/NDF: 142.4/113



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: 762.668+/-0.149 χ^2/NDF: 12900262.1/34

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

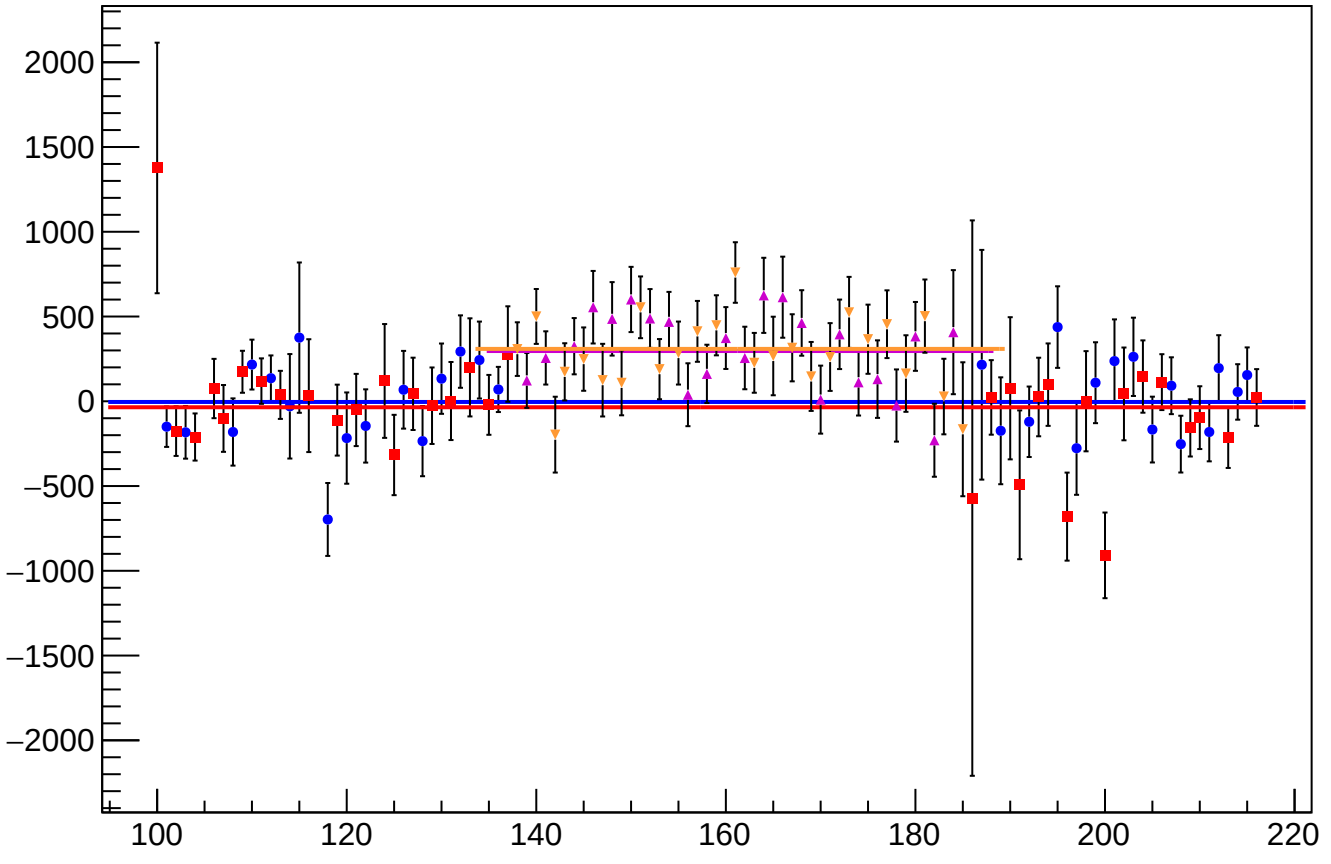
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 752.144+/-0.105 χ^2/NDF: 25766673.1/65

In: 865.088+/-0.112 χ^2/NDF:15147079.5/53

Out: 879.469+/-0.111 χ^2/NDF:14872043.2/59

All: 872.344+/-0.079 χ^2/NDF: 30027436.1/11



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: -35.274+/-34.498 χ^2/NDF: 38.3/34

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

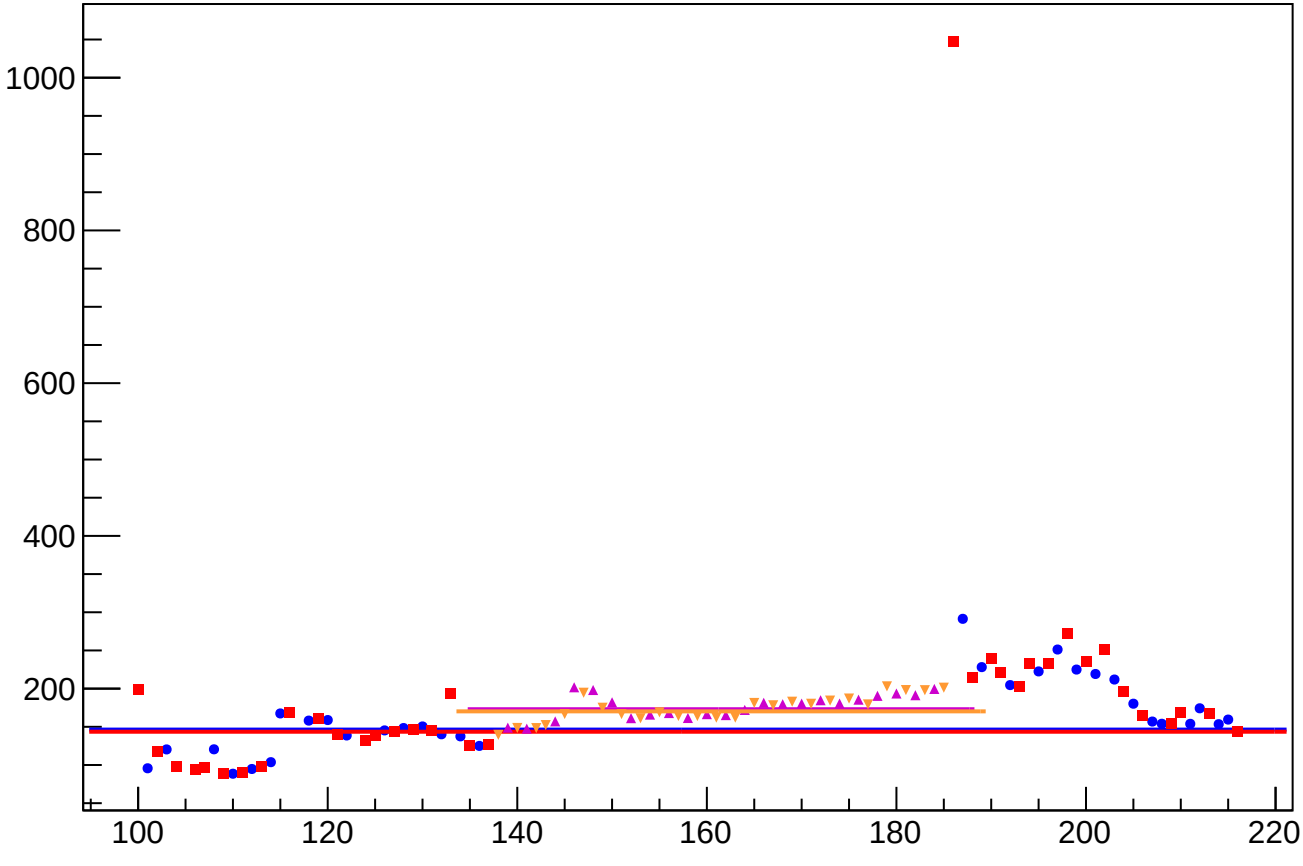
Right: -19.785+/-24.500 χ^2/NDF: 77.0/65

In: 123.228+/-26.424 χ^2/NDF:97.8/53

Out: 116.300+/-25.811 χ^2/NDF:107.7/59

All: 119.683+/-18.464 χ^2/NDF: 205.4/113

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: 143.564+/-0.024 χ^2/NDF: 4421416.8/34

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

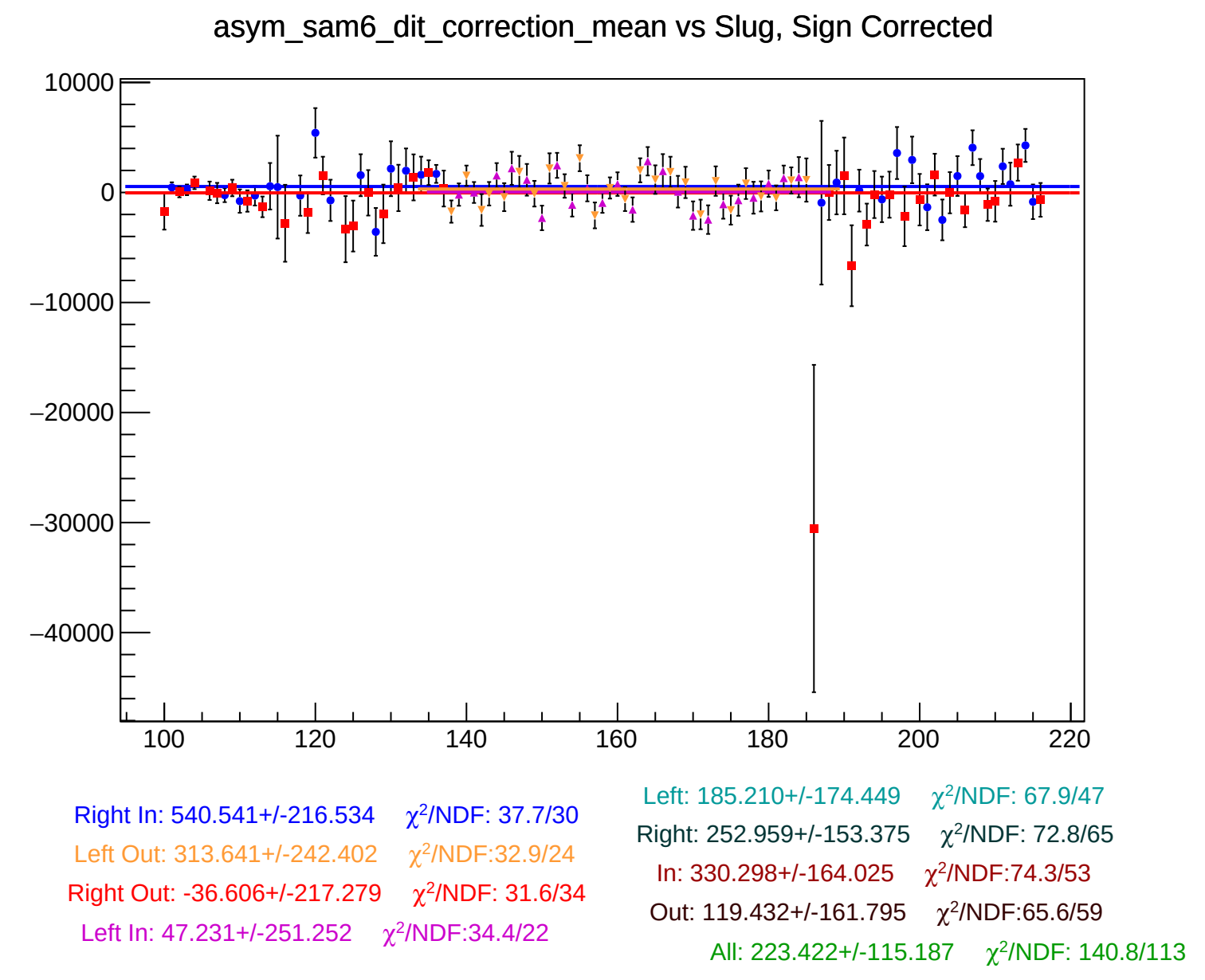
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

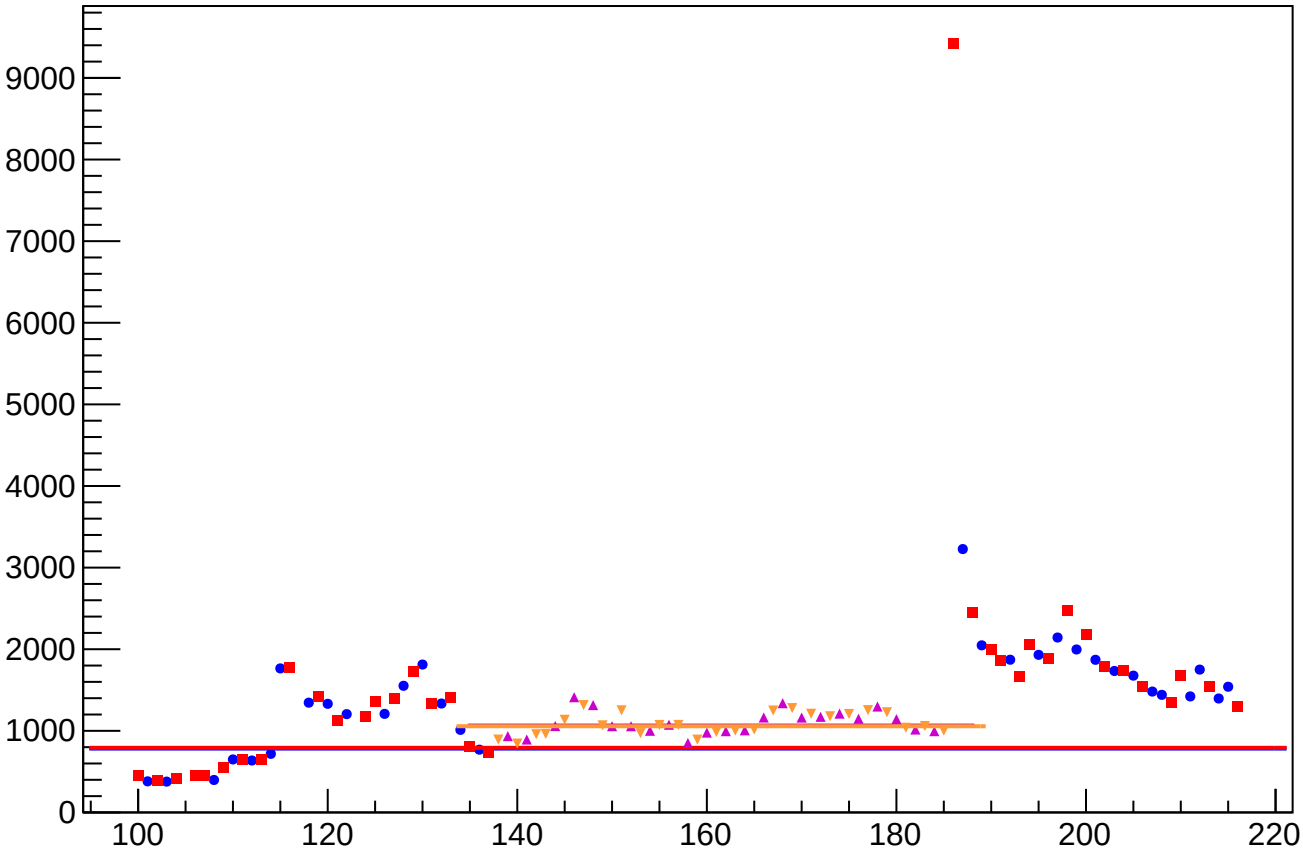
Right: 144.954+/-0.017 χ^2/NDF: 7157791.2/65

In: 157.656+/-0.019 χ^2/NDF:3520363.3/53

Out: 155.308+/-0.018 χ^2/NDF:5314205.5/59

All: 156.454+/-0.013 χ^2/NDF: 8842651.6/113


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 540.541+/-216.534 χ²/NDF: 37.7/30
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -36.606+/-217.279 χ²/NDF: 31.6/34
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 252.959+/-153.375 χ²/NDF: 72.8/65
In: 330.298+/-164.025 χ²/NDF:74.3/53
Out: 119.432+/-161.795 χ²/NDF:65.6/59
All: 223.422+/-115.187 χ²/NDF: 140.8/113



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: 792.066+/-0.154 χ^2/NDF: 12620850.5/34

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

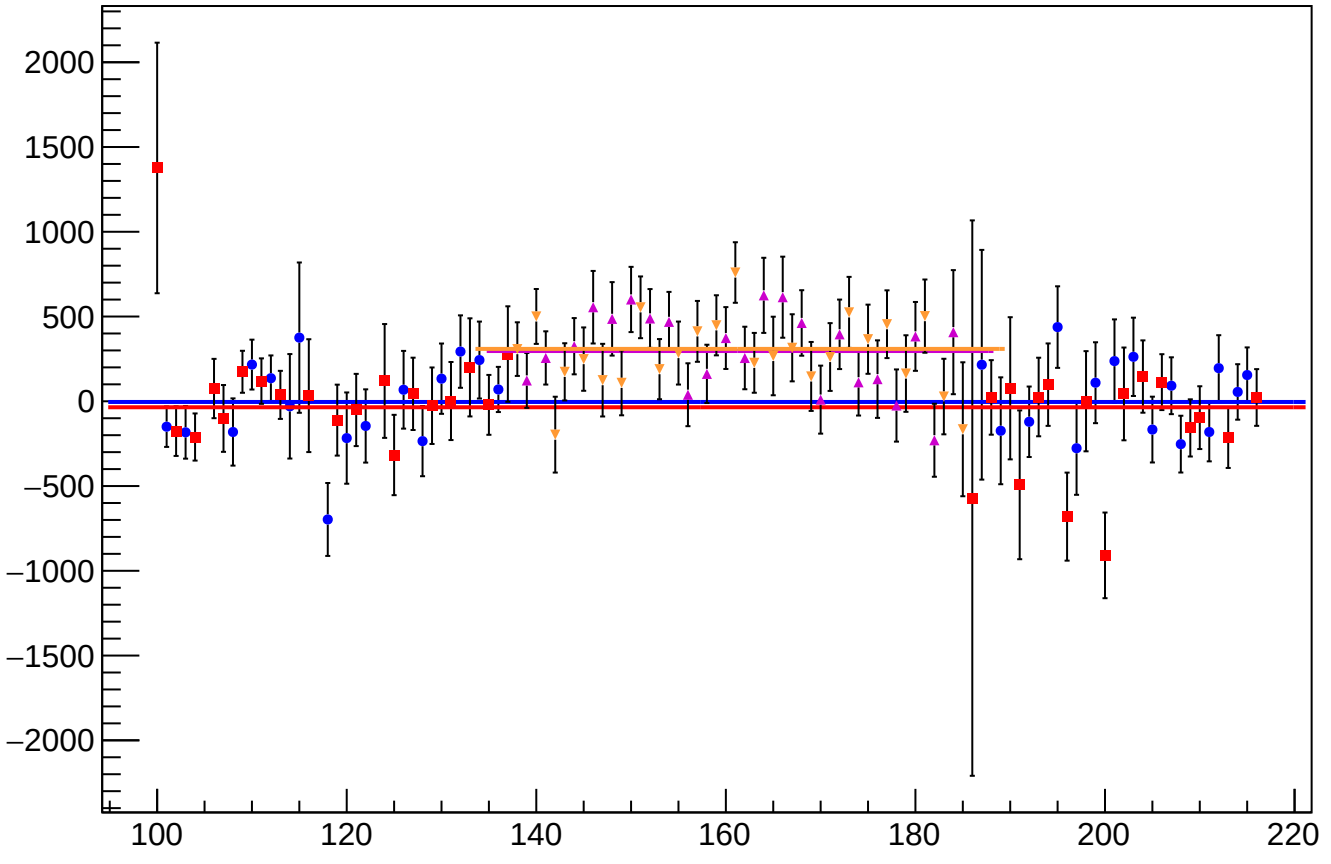
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 787.471+/-0.108 χ^2/NDF: 24754938.6/65

In: 903.001+/-0.116 χ^2/NDF:14186842.4/53

Out: 909.797+/-0.114 χ^2/NDF:14549578.8/59

All: 906.446+/-0.081 χ^2/NDF: 28738161.6/11



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: -35.274+/-34.498 χ^2/NDF: 38.3/34

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

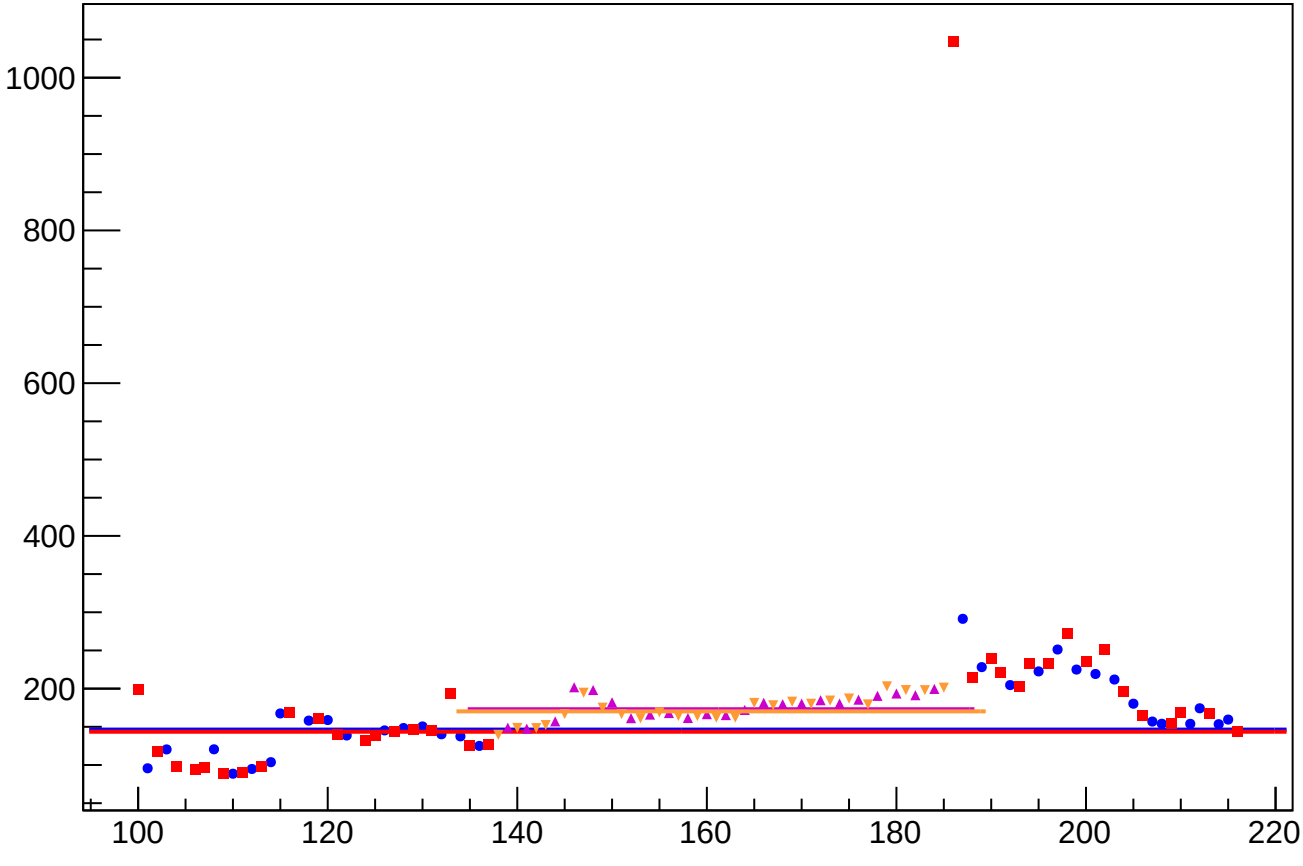
Right: -19.785+/-24.500 χ^2/NDF: 77.0/65

In: 123.228+/-26.424 χ^2/NDF:97.8/53

Out: 116.301+/-25.810 χ^2/NDF:107.7/59

All: 119.683+/-18.464 χ^2/NDF: 205.4/113

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: 143.563+/-0.024 χ^2/NDF: 4421423.8/34

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

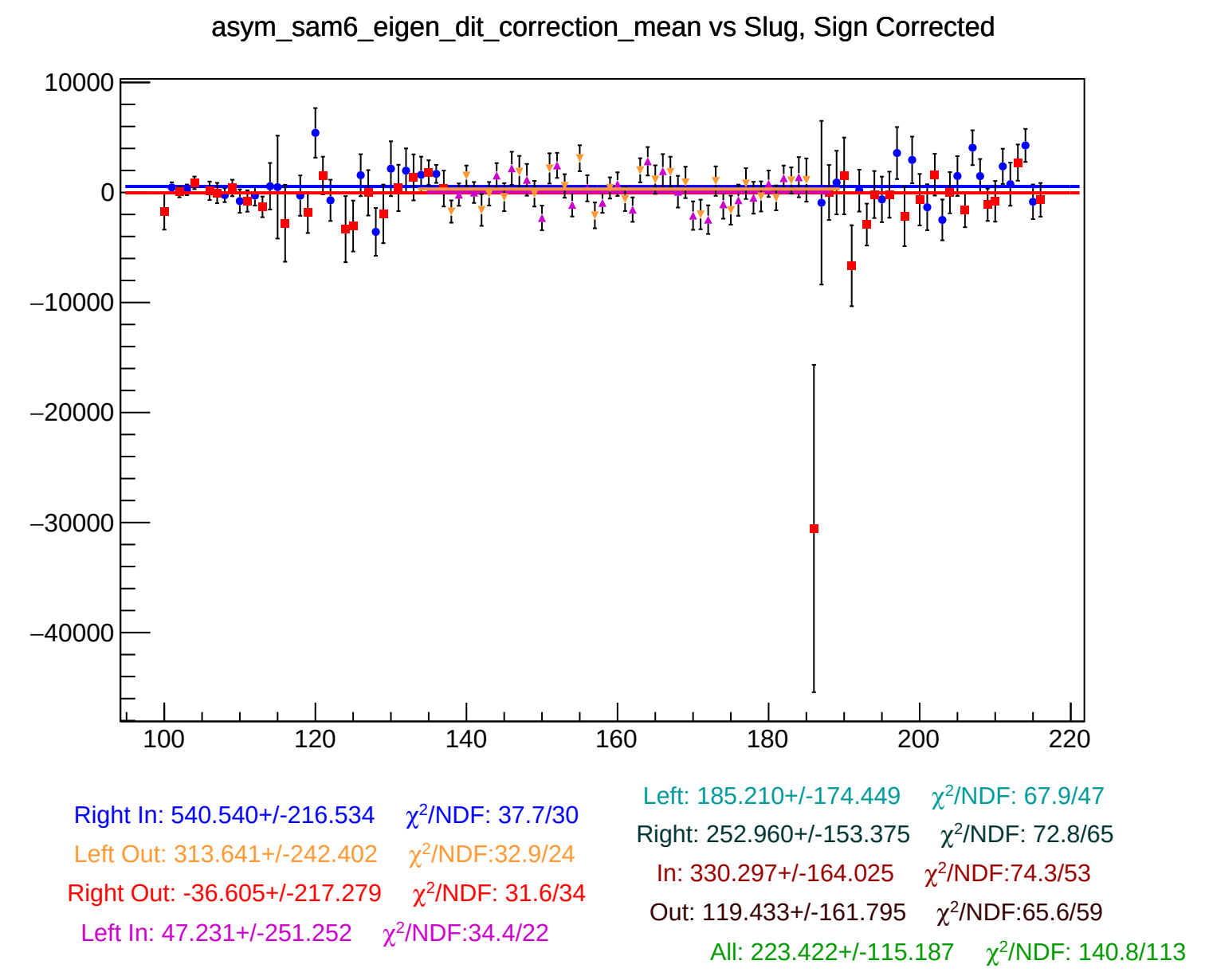
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

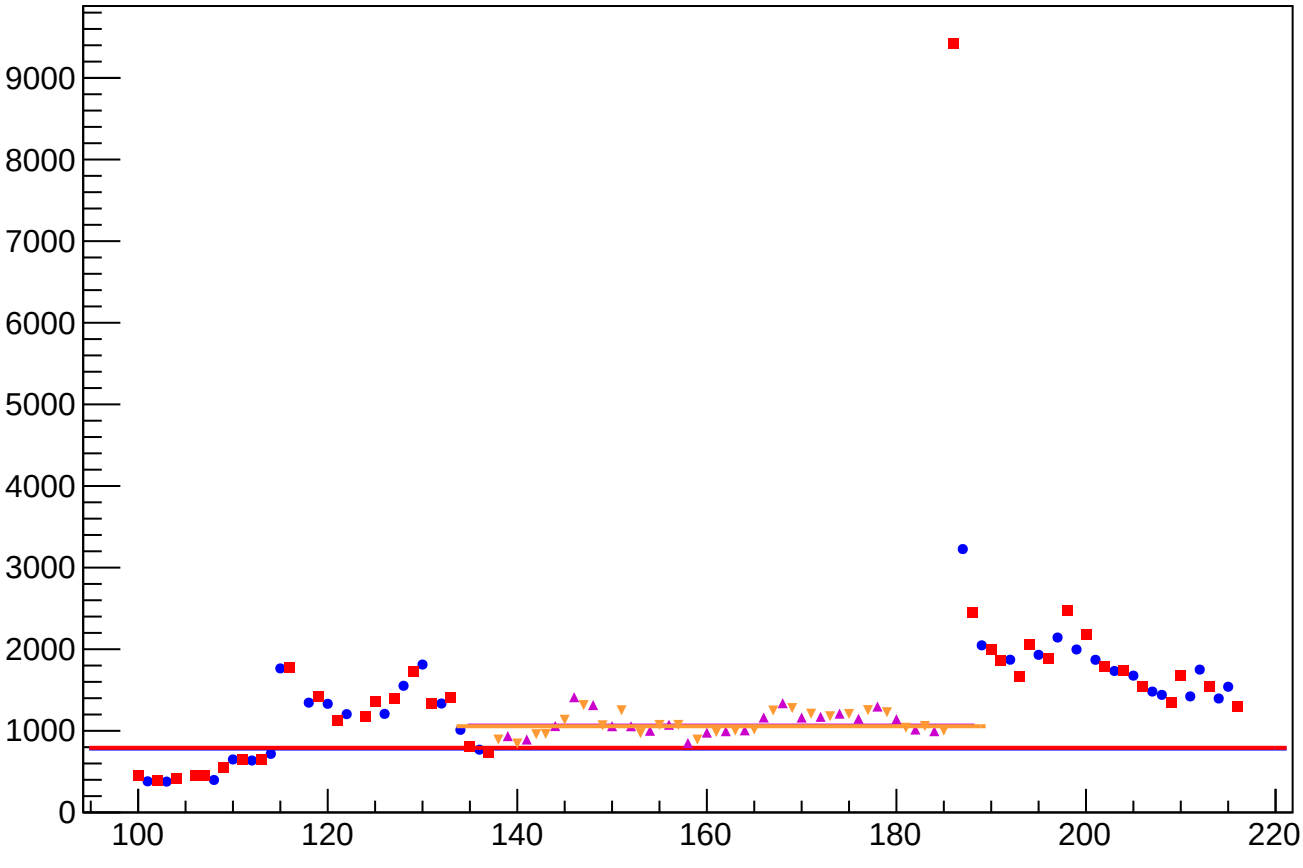
Right: 144.954+/-0.017 χ^2/NDF: 7157817.3/65

In: 157.656+/-0.019 χ^2/NDF:3520386.4/53

Out: 155.307+/-0.018 χ^2/NDF:5314215.1/59

All: 156.454+/-0.013 χ^2/NDF: 8842684.2/113


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 540.540+/-216.534 χ²/NDF: 37.7/30
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -36.605+/-217.279 χ²/NDF: 31.6/34
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 252.960+/-153.375 χ²/NDF: 72.8/65
In: 330.297+/-164.025 χ²/NDF:74.3/53
Out: 119.433+/-161.795 χ²/NDF:65.6/59
All: 223.422+/-115.187 χ²/NDF: 140.8/113



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: 792.065+/-0.154 χ^2/NDF: 12620856.4/34

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

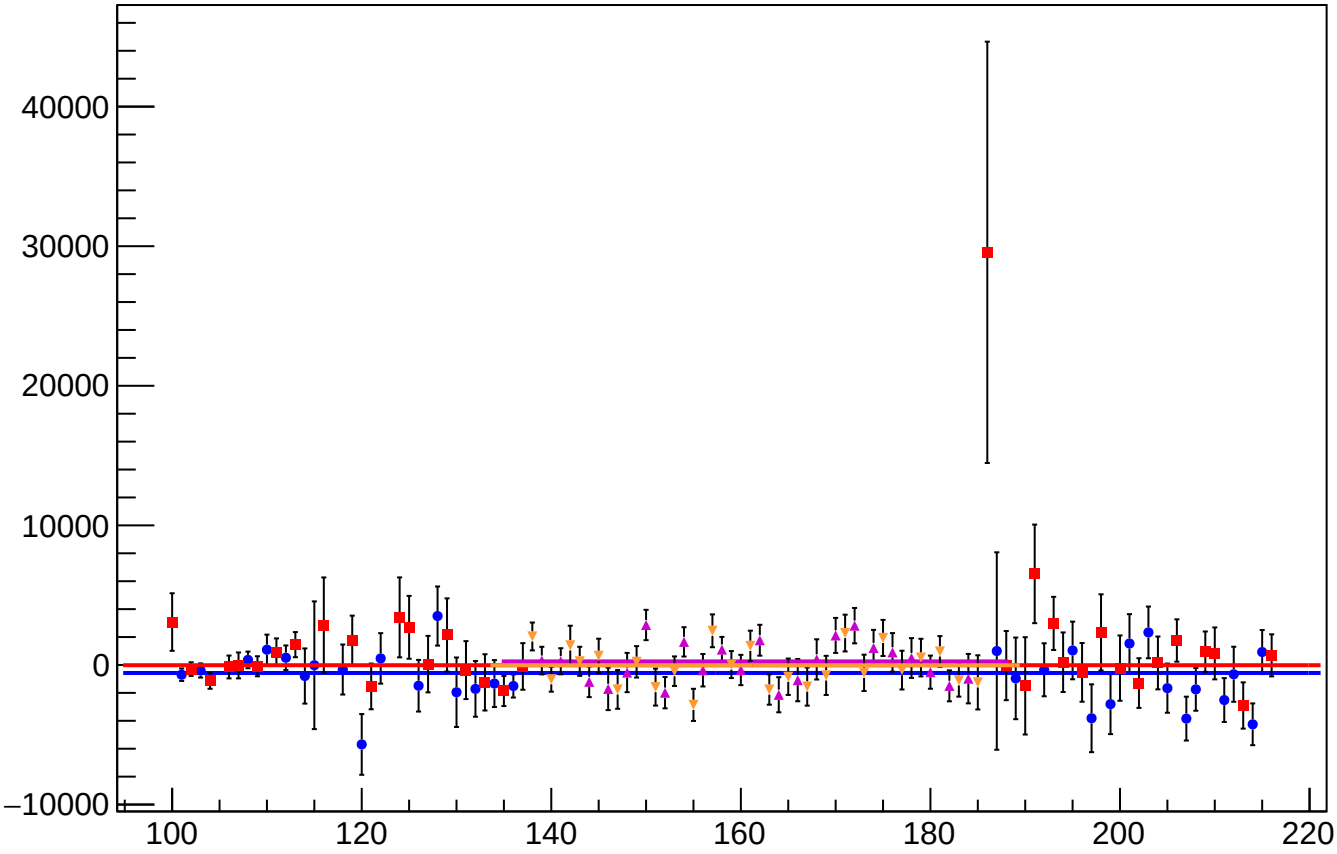
Right: 787.470+/-0.108 χ^2/NDF: 24754960.1/65

In: 903.000+/-0.116 χ^2/NDF:14186872.5/53

Out: 909.797+/-0.114 χ^2/NDF:14549599.0/59

All: 906.445+/-0.081 χ^2/NDF: 28738212.0/11

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: -18.204+/-215.226 χ^2/NDF: 36.1/34

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

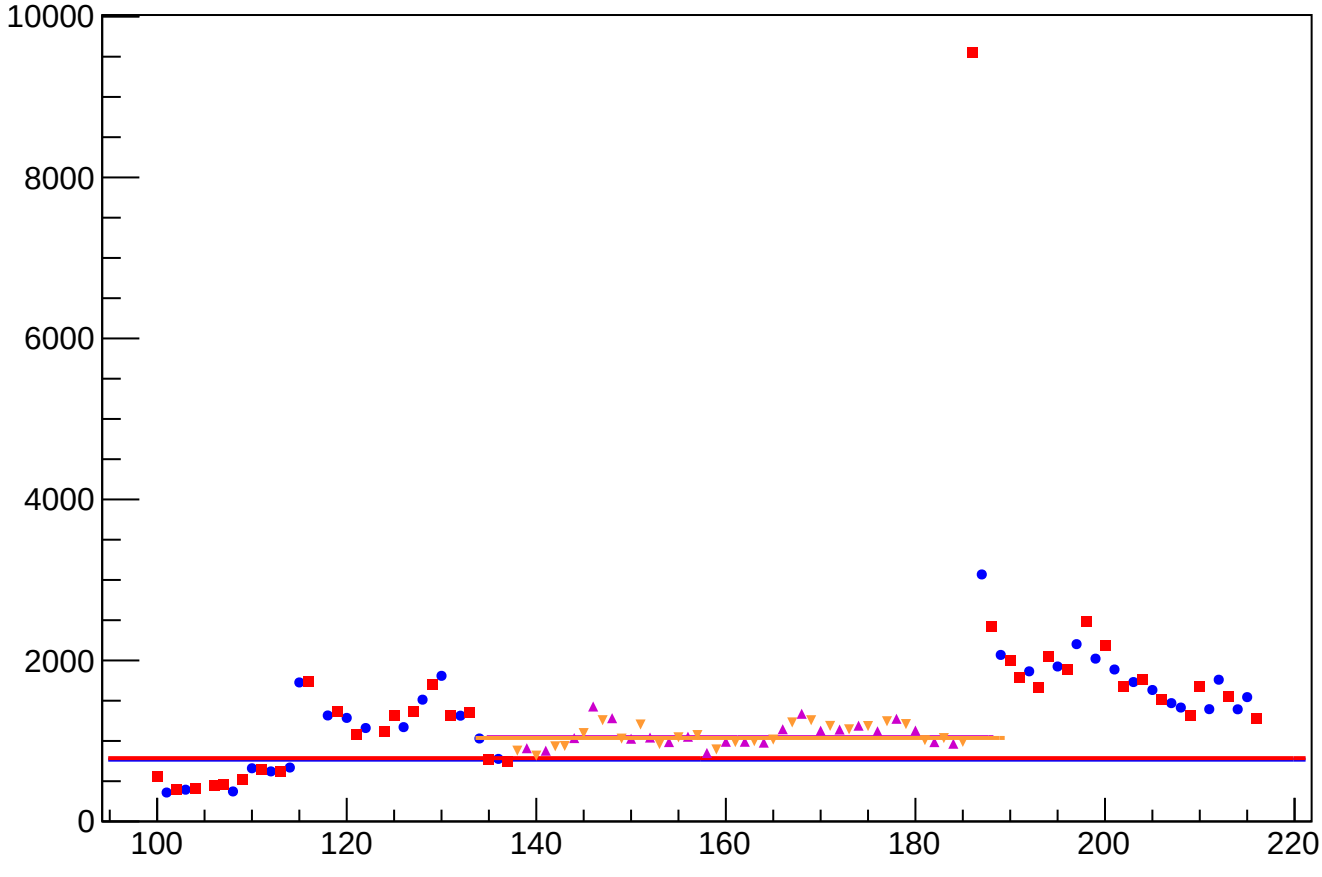
Right: -298.038+/-151.566 χ^2/NDF: 78.9/65

In: -219.320+/-161.570 χ^2/NDF:79.4/53

Out: -19.850+/-159.625 χ^2/NDF:70.6/59

All: -118.377+/-113.553 χ^2/NDF: 150.8/113

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: 786.429+/-0.152 χ^2/NDF: 12457710.5/34

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

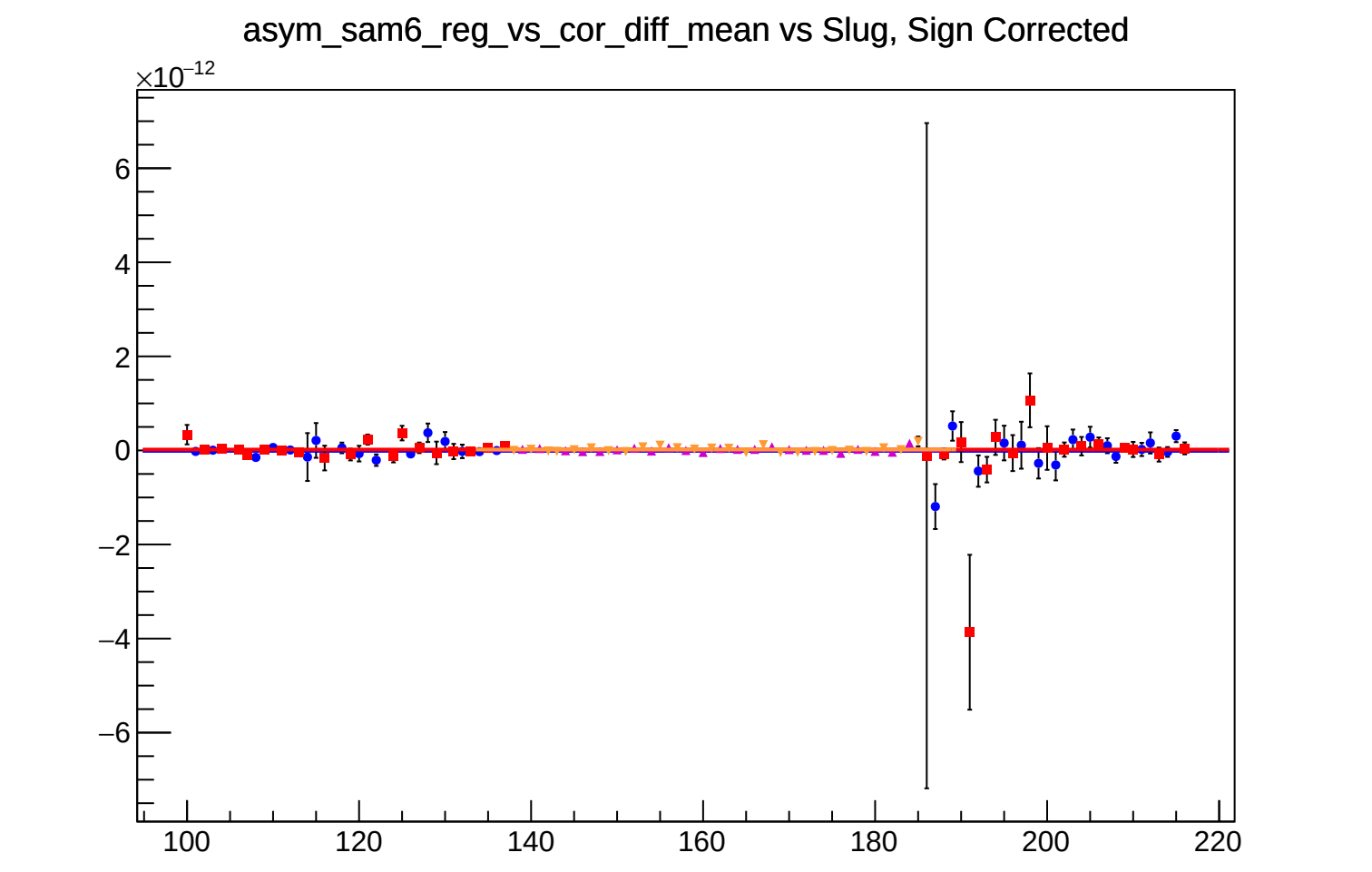
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 776.963+/-0.107 χ^2/NDF: 24839287.1/65

In: 887.252+/-0.114 χ^2/NDF:14456830.9/53

Out: 899.316+/-0.113 χ^2/NDF:14266085.1/59

All: 893.357+/-0.080 χ^2/NDF: 28728558.4/1



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: 34.1/34

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

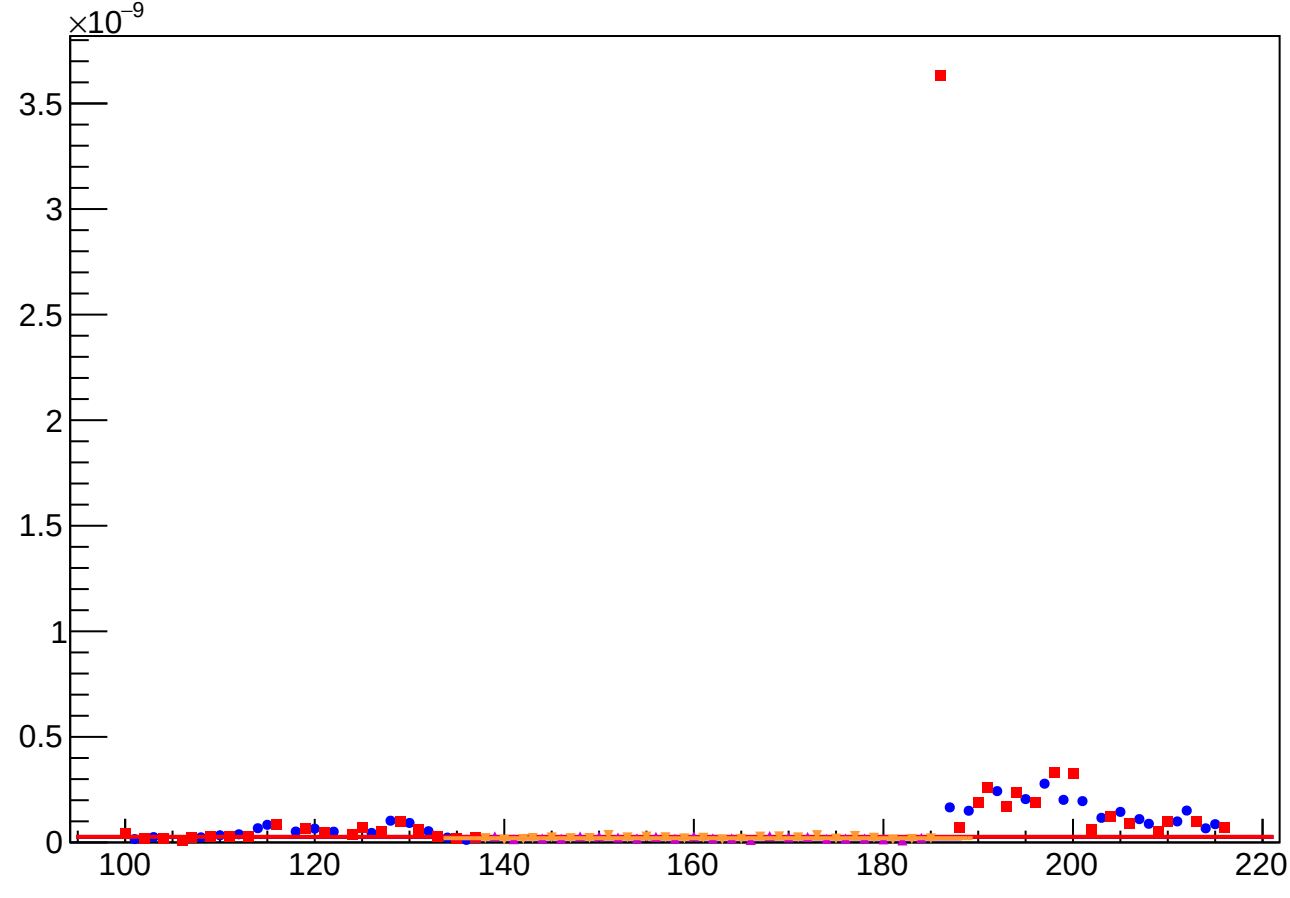
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 75.8/65

In: 0.000+/-0.000 χ^2/NDF:59.0/53

Out: 0.000+/-0.000 χ^2/NDF:64.1/59

All: 0.000+/-0.000 χ^2/NDF: 126.6/113



Right In: 0.000+/-0.000 χ^2/NDF: 9700566.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8599182.4/34

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

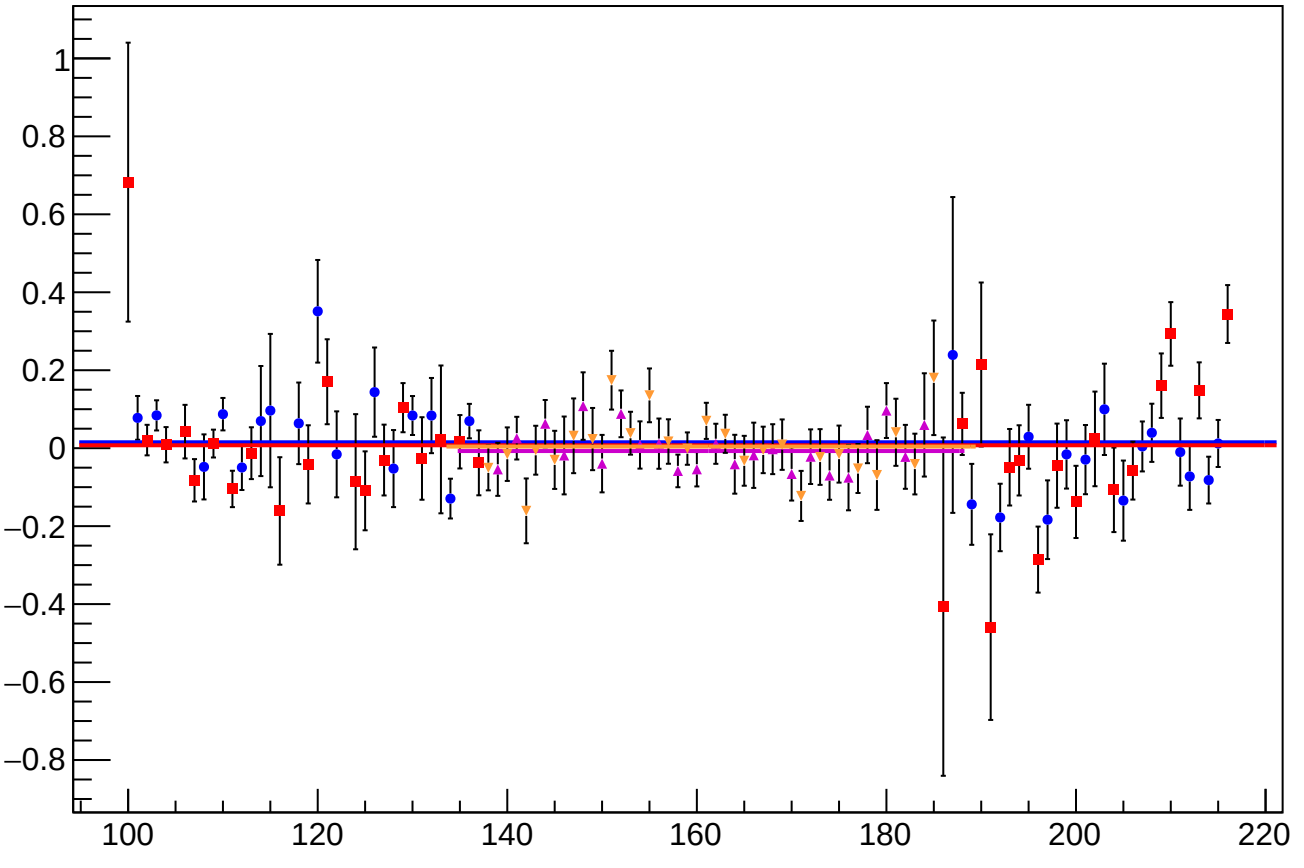
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 18302319.6/65

In: 0.000+/-0.000 χ^2/NDF:11174658.5/53

Out: 0.000+/-0.000 χ^2/NDF:9951135.6/59

All: 0.000+/-0.000 χ^2/NDF: 21137249.0/113



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: 0.007+/-0.013 χ^2/NDF: 84.4/34

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

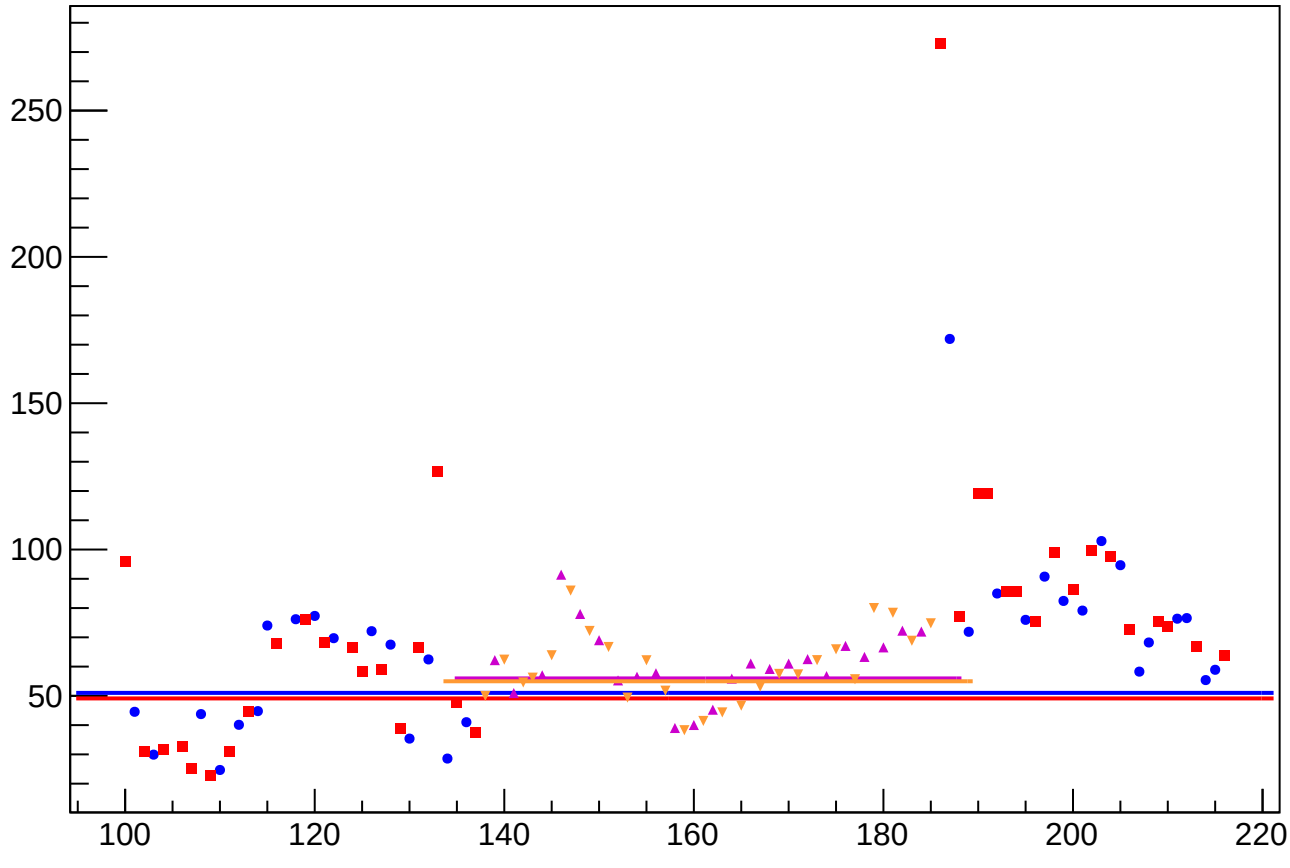
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.011+/-0.009 χ^2/NDF: 133.1/65

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.006+/-0.009 χ^2/NDF:109.3/59

All: 0.005+/-0.007 χ^2/NDF: 174.3/113



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: 49.122+/-0.009 χ^2/NDF: 7697910.8/34

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

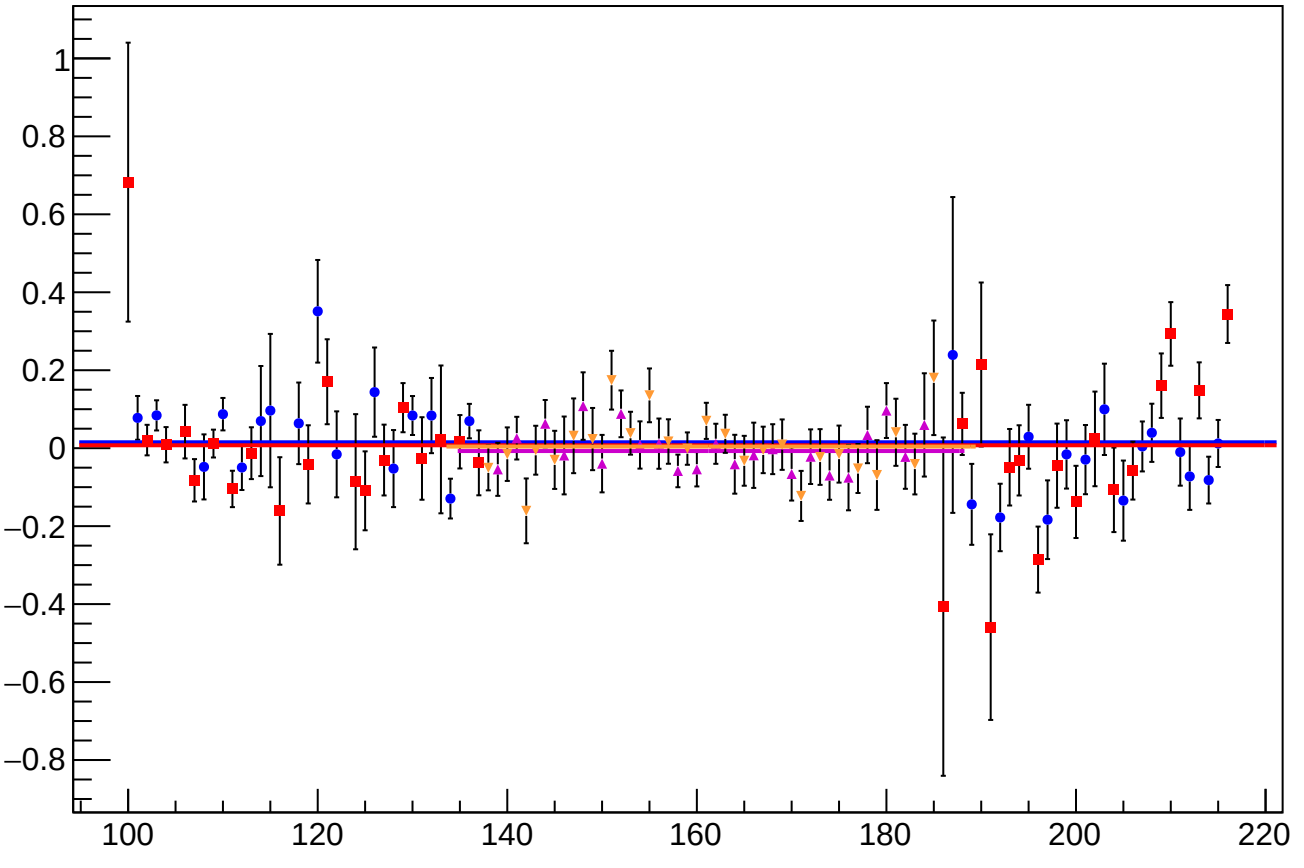
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 50.061+/-0.006 χ^2/NDF: 13149834.9/65

In: 53.364+/-0.007 χ^2/NDF:6976196.9/53

Out: 52.006+/-0.006 χ^2/NDF:9473028.0/59

All: 52.668+/-0.005 χ^2/NDF: 16471005.0/113



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: 0.007+/-0.013 χ^2/NDF: 84.4/34

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

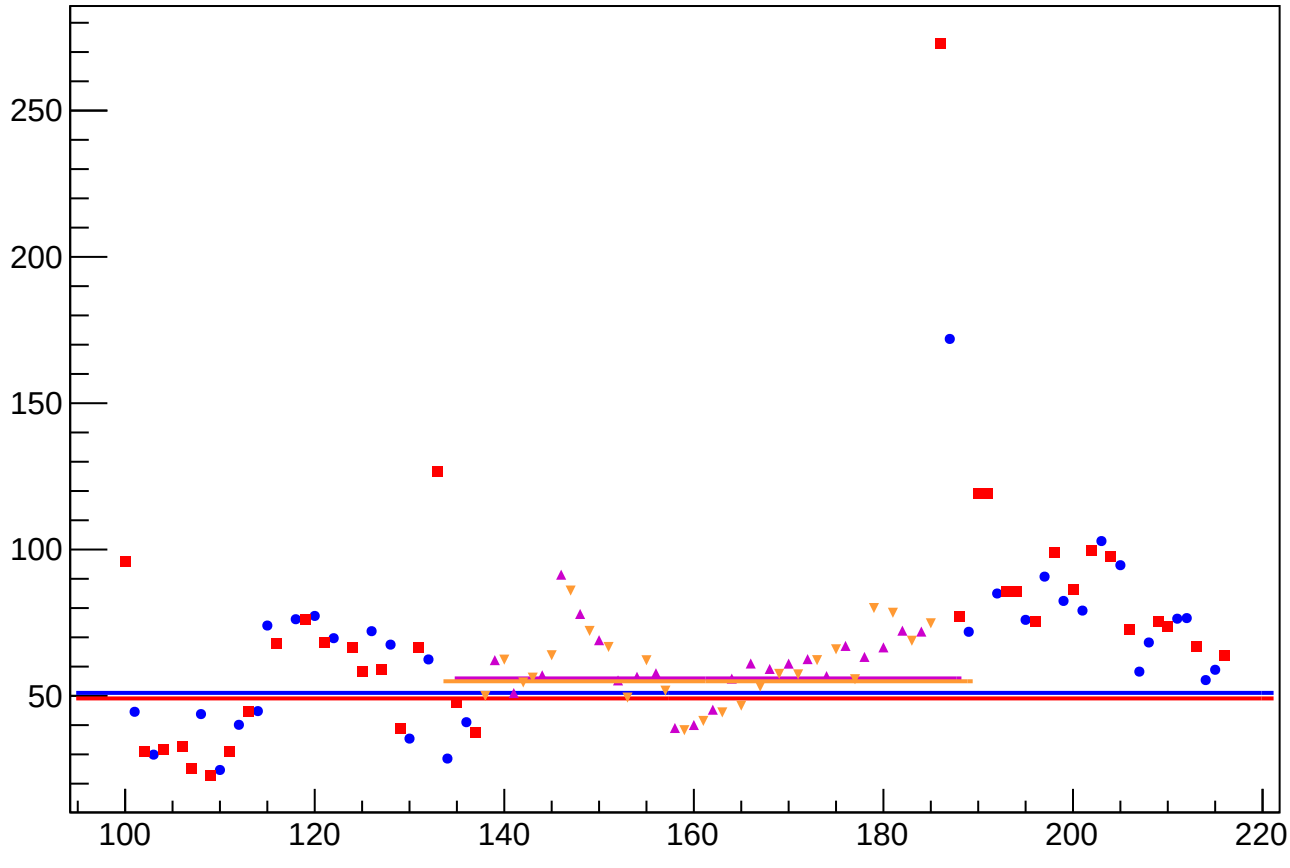
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.011+/-0.009 χ^2/NDF: 133.1/65

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.006+/-0.009 χ^2/NDF:109.3/59

All: 0.005+/-0.007 χ^2/NDF: 174.3/113



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: 49.122+/-0.009 χ^2/NDF: 7697910.8/34

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

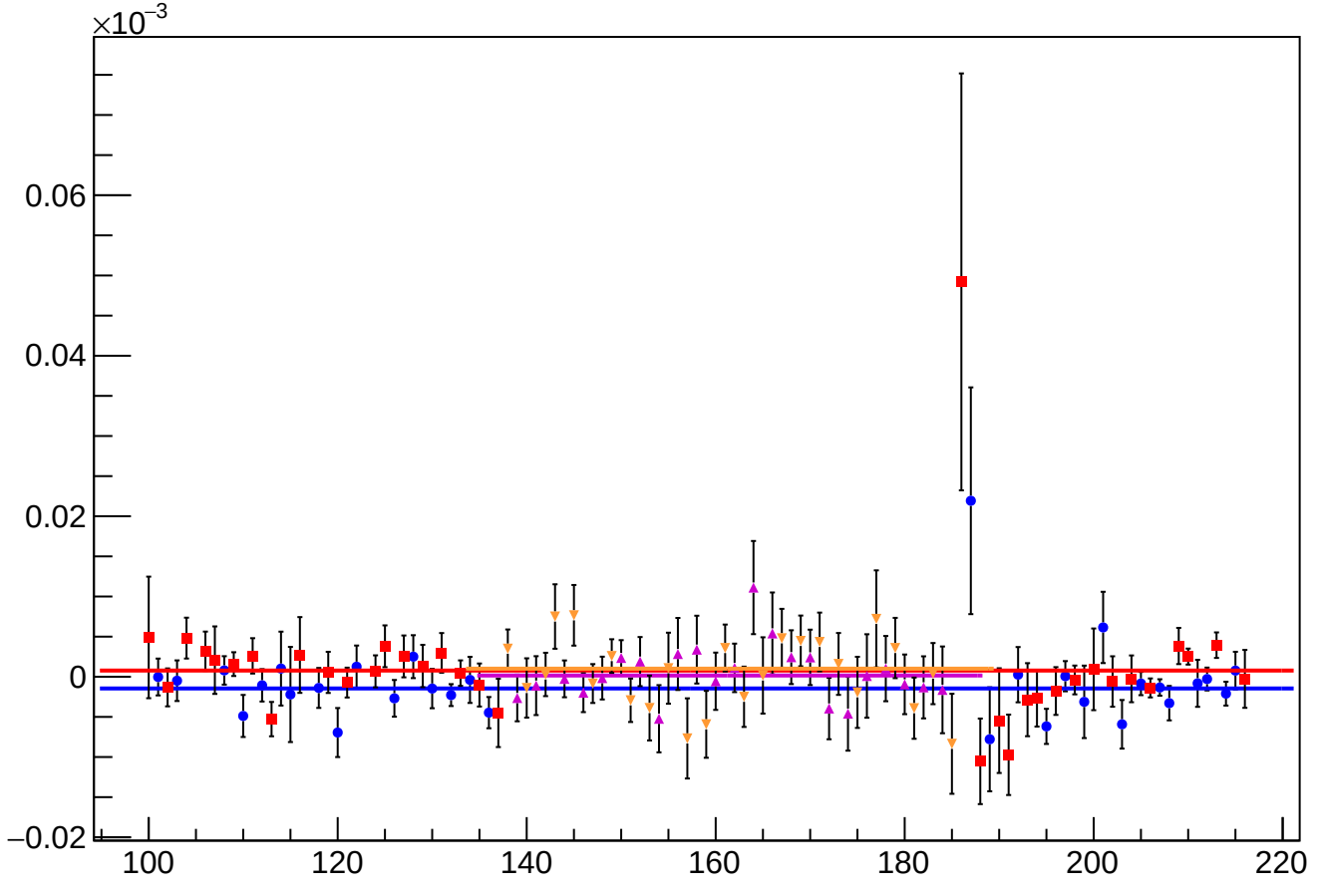
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 50.061+/-0.006 χ^2/NDF: 13149834.9/65

In: 53.364+/-0.007 χ^2/NDF:6976196.9/53

Out: 52.006+/-0.006 χ^2/NDF:9473028.0/59

All: 52.668+/-0.005 χ^2/NDF: 16471005.0/113



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: 47.8/34

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

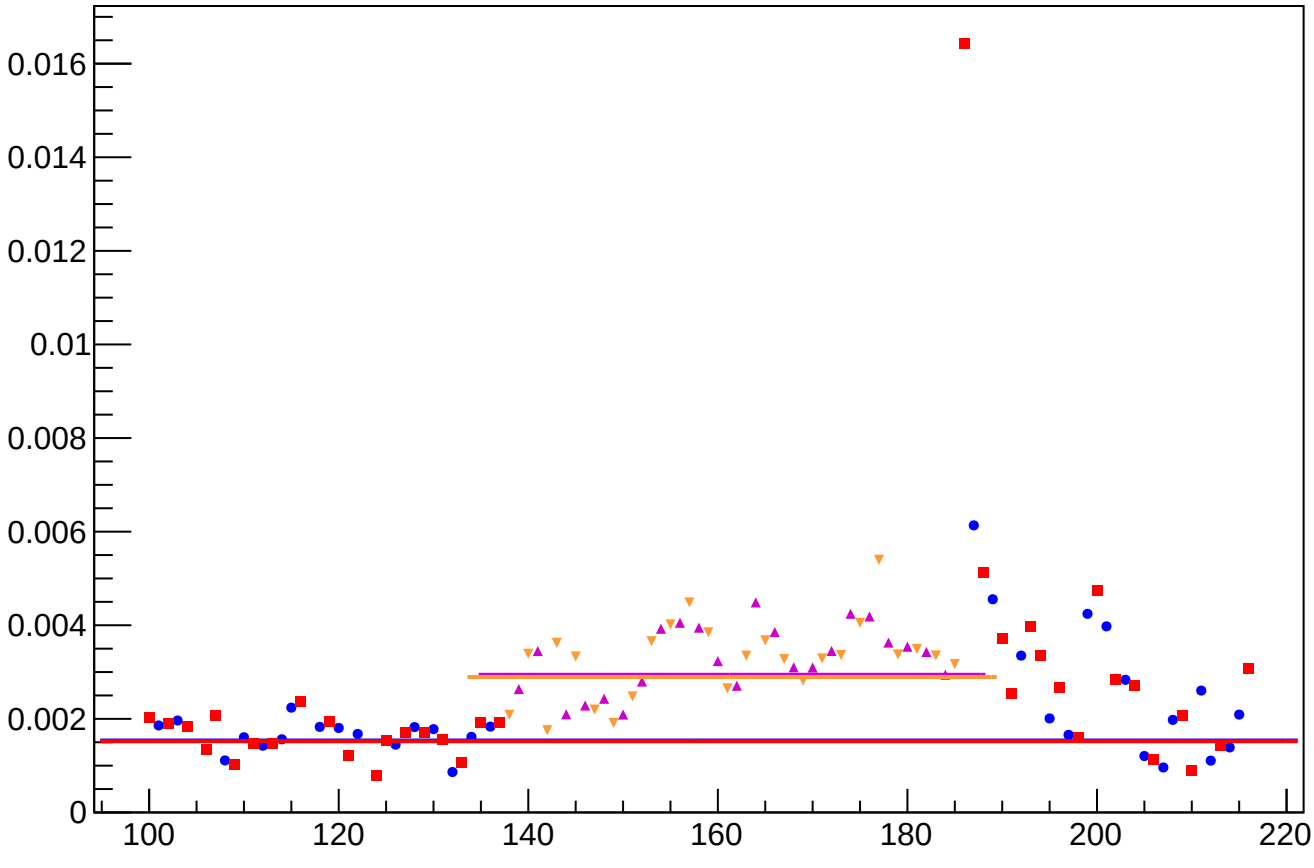
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 95.6/65

In: -0.000+/-0.000 χ^2/NDF:49.1/53

Out: 0.000+/-0.000 χ^2/NDF:76.5/59

All: -0.000+/-0.000 χ^2/NDF: 141.7/113



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: 7368897.3/34

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

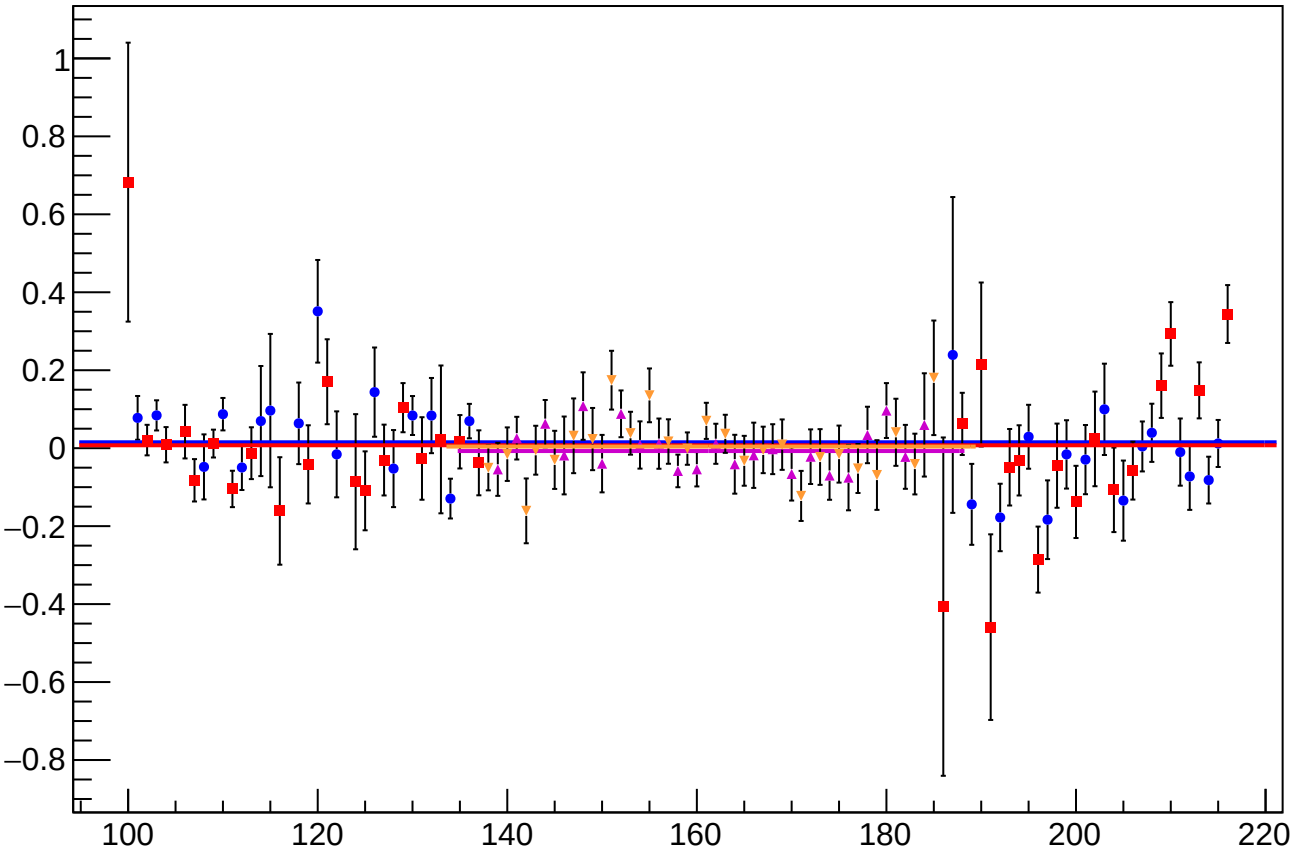
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 12636621.2/65

In: 0.002+/-0.000 χ^2/NDF:13192743.6/53

Out: 0.002+/-0.000 χ^2/NDF:16084834.4/59

All: 0.002+/-0.000 χ^2/NDF: 29277958.1/113



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: 0.007+/-0.013 χ^2/NDF: 84.4/34

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

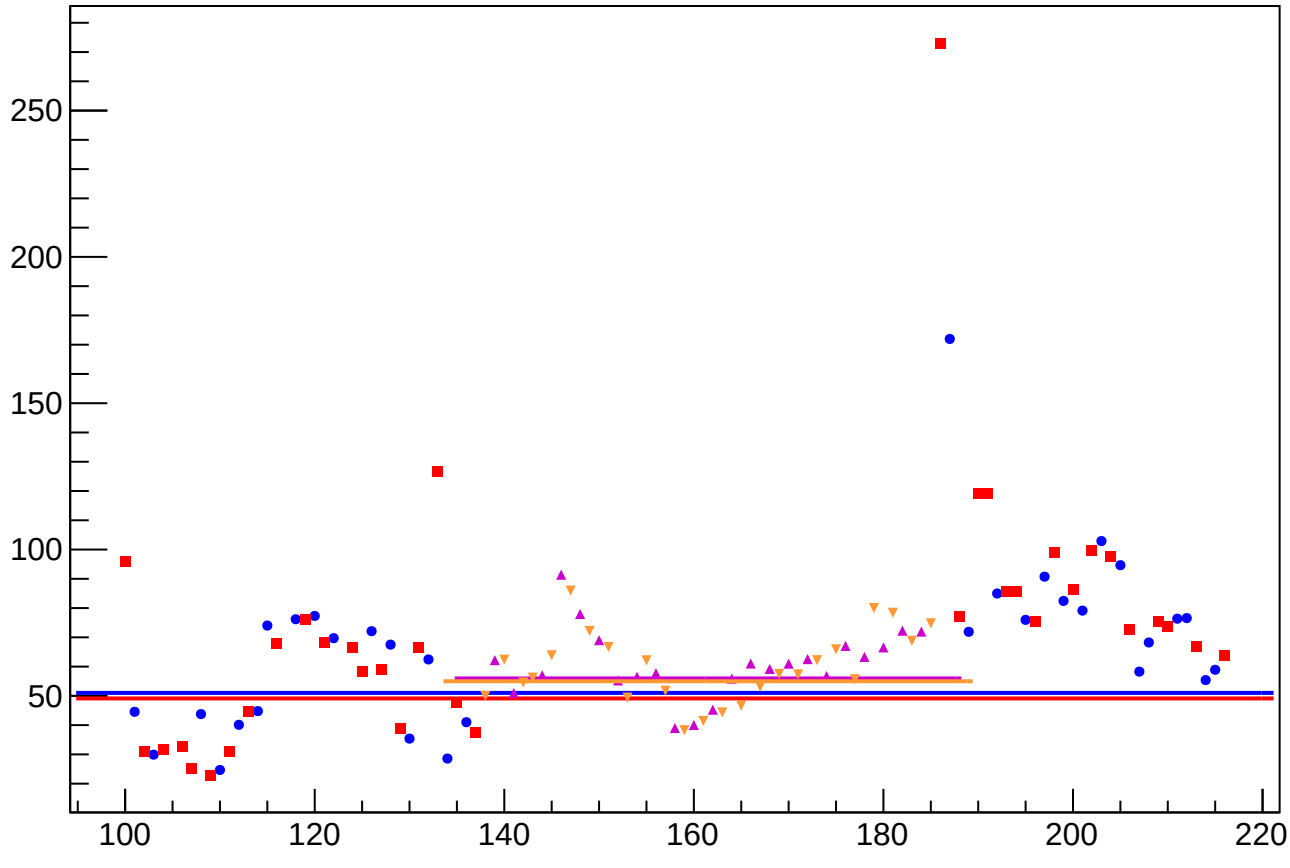
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.011+/-0.009 χ^2/NDF: 133.1/65

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.006+/-0.009 χ^2/NDF:109.3/59

All: 0.005+/-0.007 χ^2/NDF: 174.3/113



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: 49.122+/-0.009 χ^2/NDF: 7697931.9/34

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

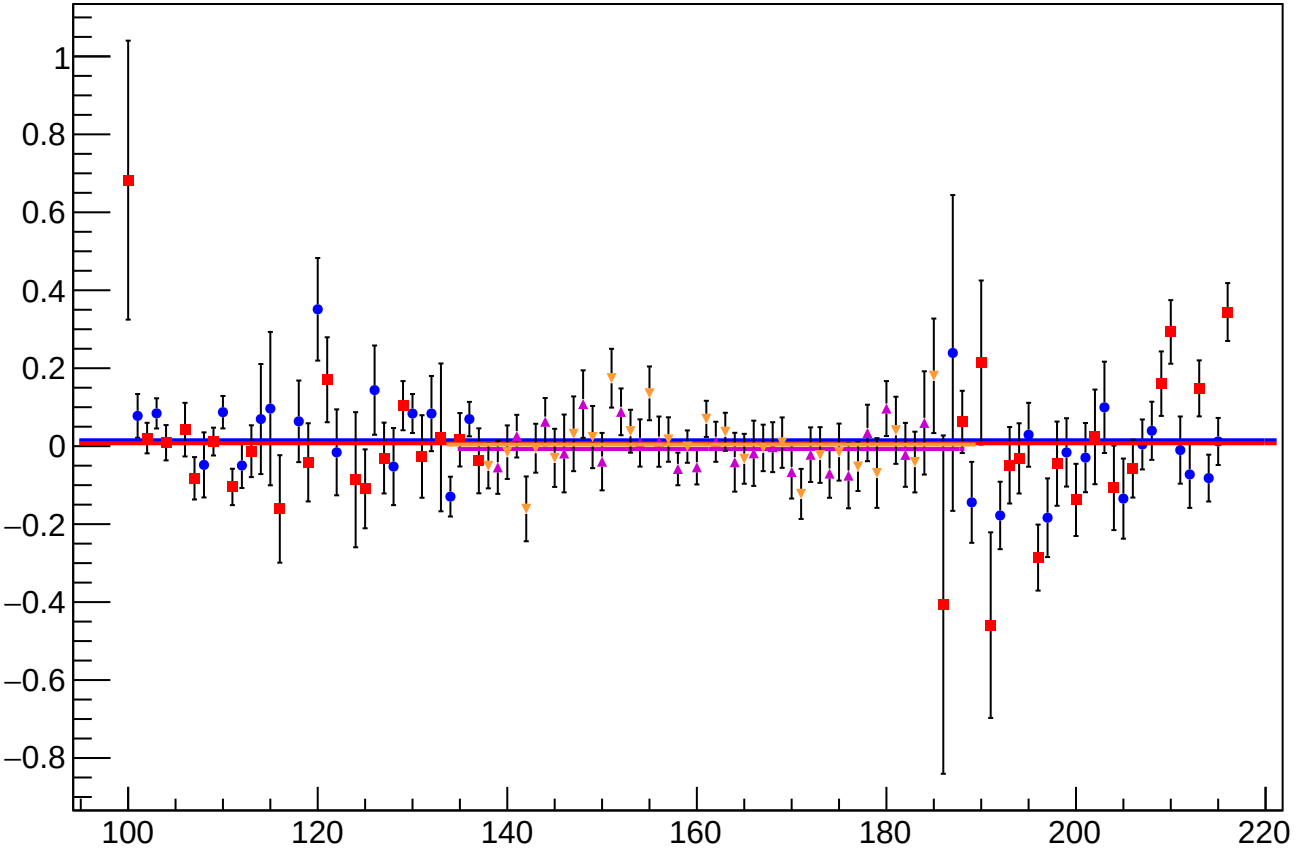
Right: 50.061+/-0.006 χ^2/NDF: 13149986.5/65

In: 53.363+/-0.007 χ^2/NDF:6976470.4/53

Out: 52.005+/-0.006 χ^2/NDF:9473128.0/59

All: 52.667+/-0.005 χ^2/NDF: 16471372.7/113

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: 0.007+/-0.013 χ^2/NDF: 84.4/34

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

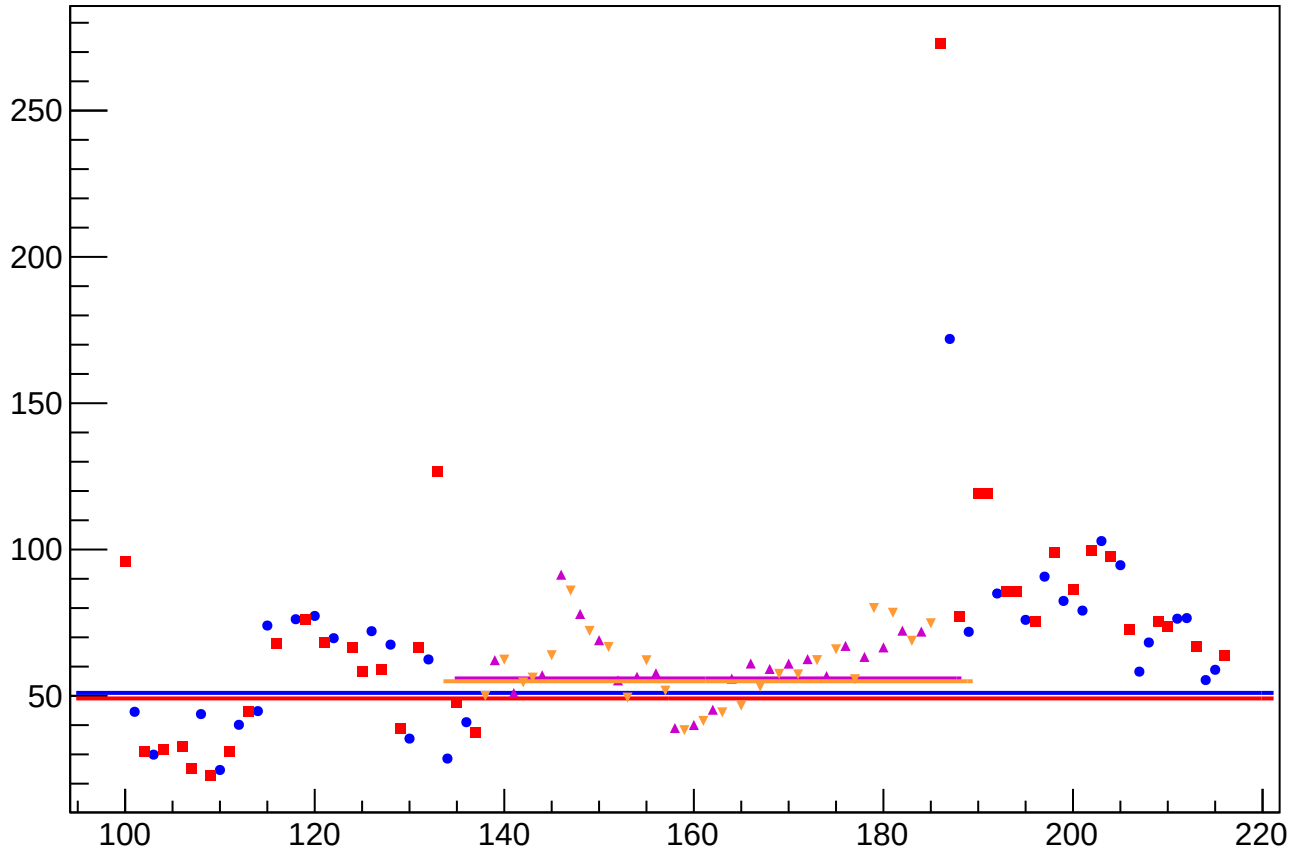
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.011+/-0.009 χ^2/NDF: 133.1/65

In: 0.004+/-0.009 χ^2/NDF:65.0/53

Out: 0.006+/-0.009 χ^2/NDF:109.3/59

All: 0.005+/-0.007 χ^2/NDF: 174.3/113



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: 49.122+/-0.009 χ^2/NDF: 7697931.9/34

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

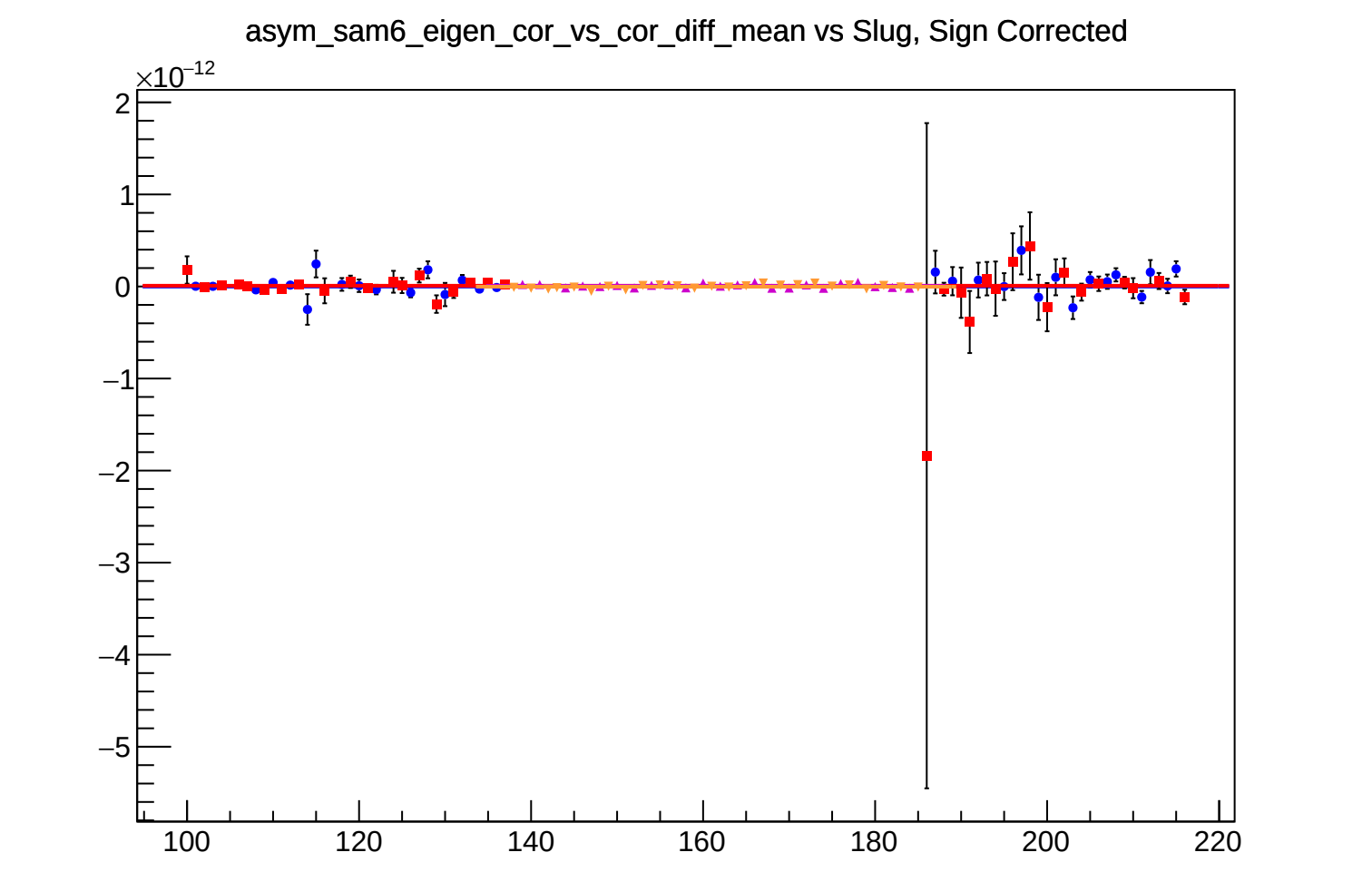
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 50.061+/-0.006 χ^2/NDF: 13149986.5/65

In: 53.363+/-0.007 χ^2/NDF:6976470.4/53

Out: 52.005+/-0.006 χ^2/NDF:9473128.0/59

All: 52.667+/-0.005 χ^2/NDF: 16471372.7/113



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: 25.4/34

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

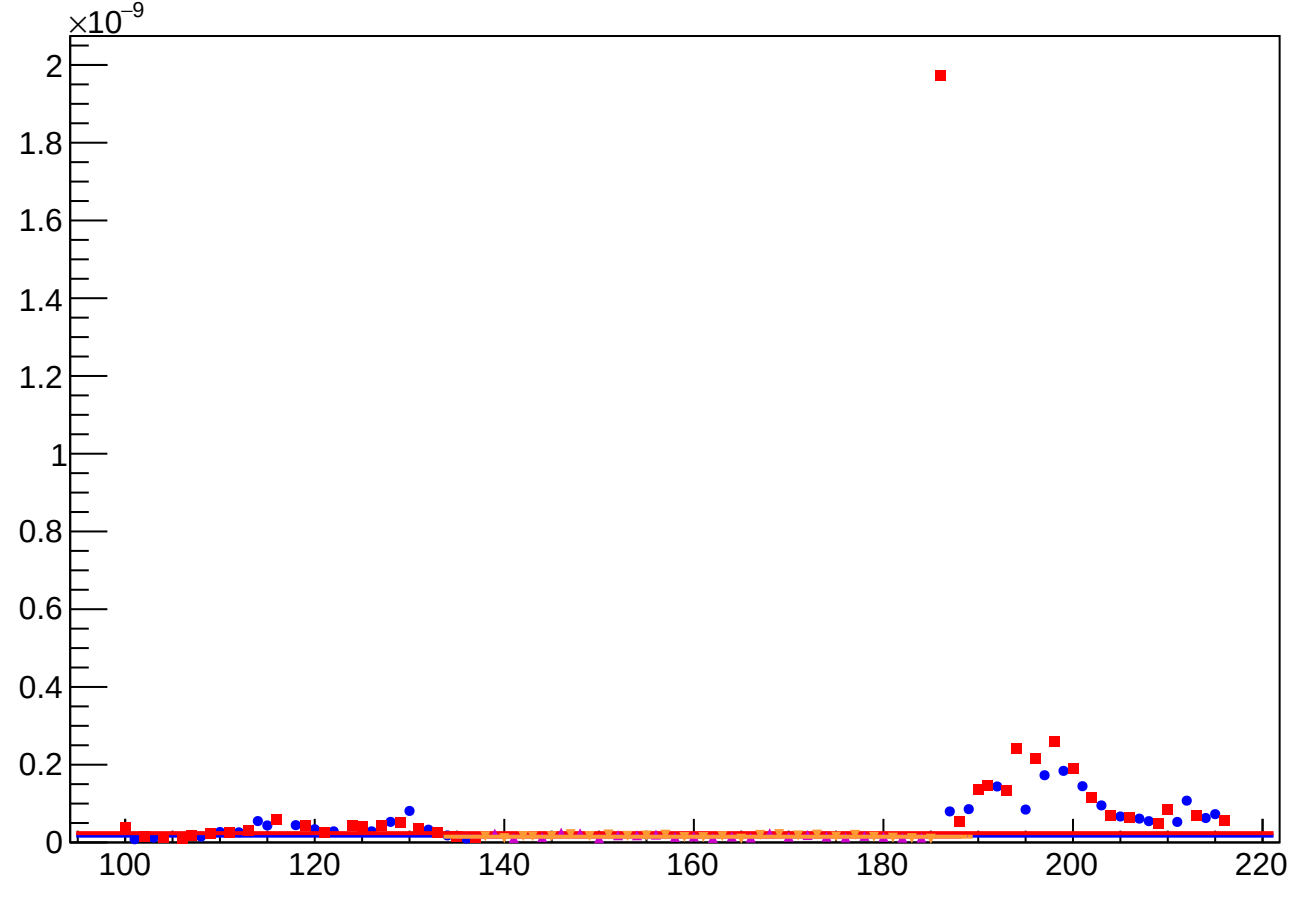
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 63.8/65

In: 0.000+/-0.000 χ^2/NDF:60.5/53

Out: -0.000+/-0.000 χ^2/NDF:46.0/59

All: 0.000+/-0.000 χ^2/NDF: 107.5/113



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: 12024326.9/34

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

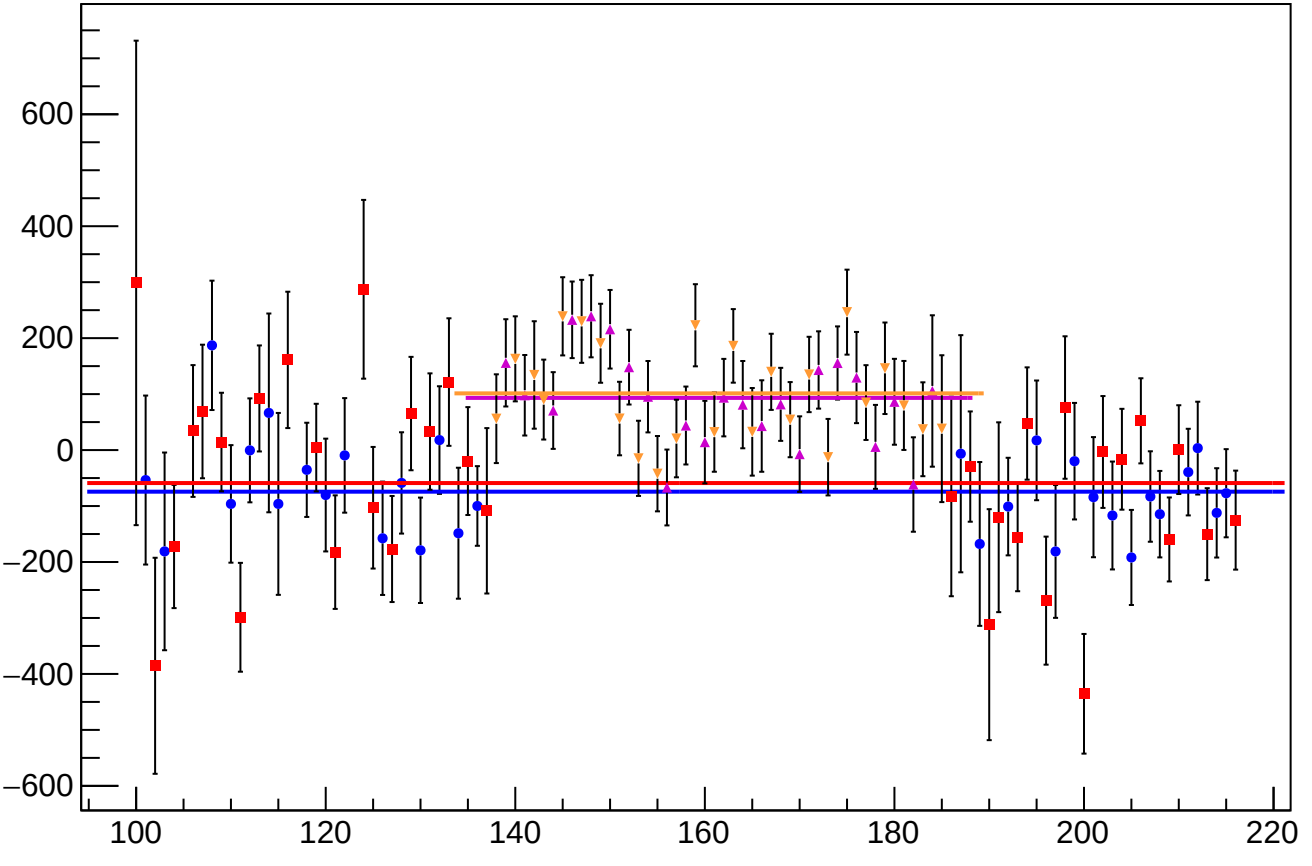
Right: 0.000+/-0.000 χ^2/NDF: 26526039.2/65

In: 0.000+/-0.000 χ^2/NDF:15434252.6/53

Out: 0.000+/-0.000 χ^2/NDF:15268956.7/59

All: 0.000+/-0.000 χ^2/NDF: 30753137.1/113

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: -58.912+/-17.620 χ^2/NDF: 60.2/34

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

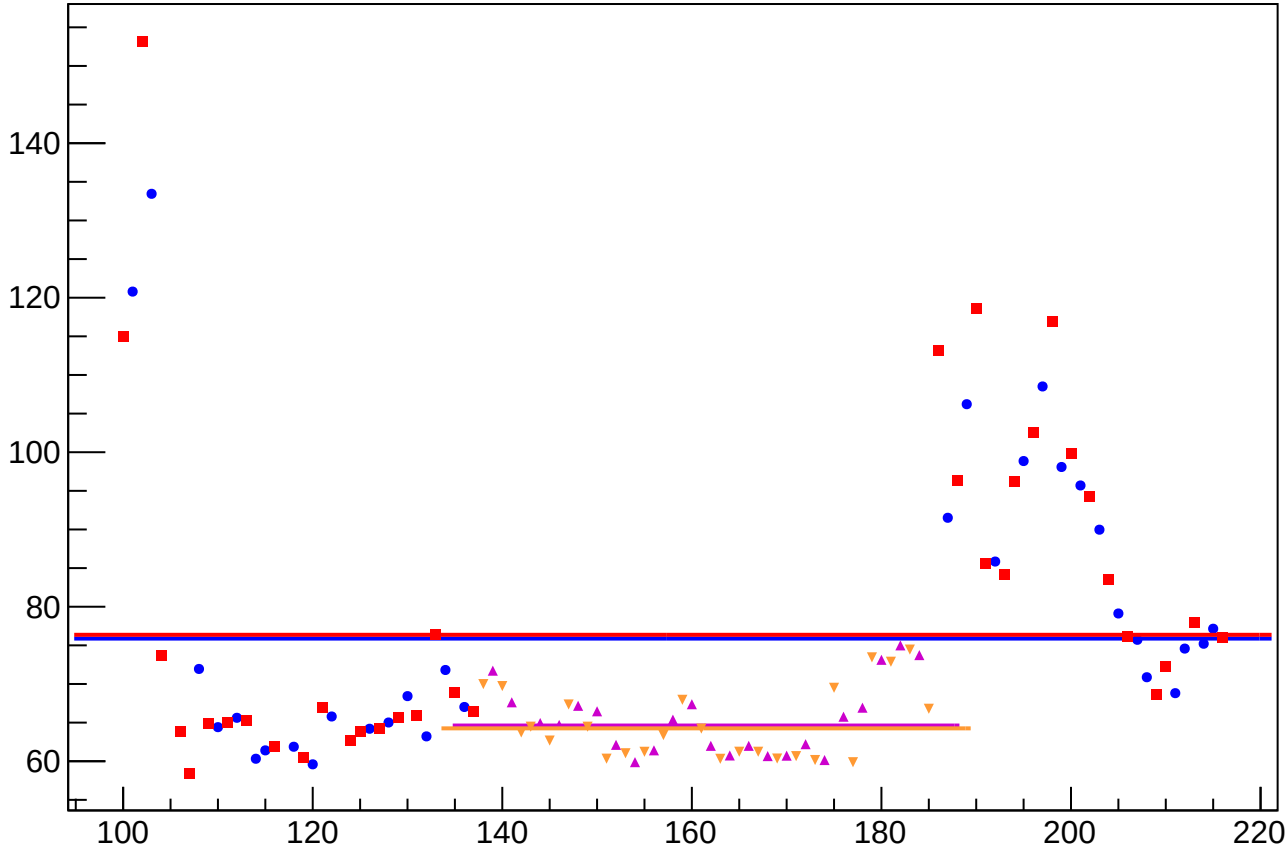
Right: -66.614+/-12.471 χ^2/NDF: 77.6/65

In: 22.233+/-11.491 χ^2/NDF:97.7/53

Out: 35.872+/-11.261 χ^2/NDF:143.0/59

All: 29.190+/-8.043 χ^2/NDF: 241.5/113

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: 76.366+/-0.012 χ^2/NDF: 1611880.9/34

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

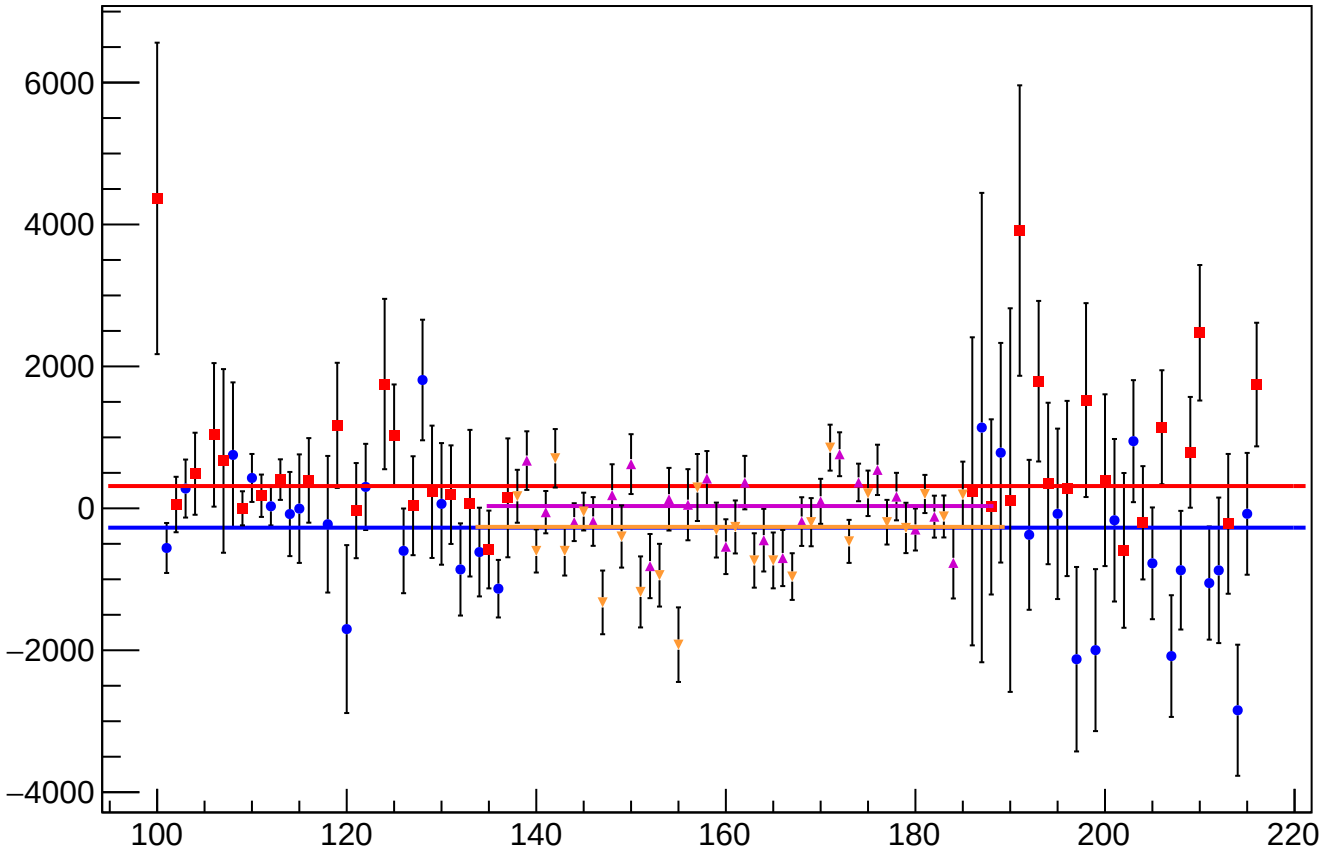
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.122+/-0.009 χ^2/NDF: 2944550.1/65

In: 69.390+/-0.008 χ^2/NDF:1947674.7/53

Out: 69.202+/-0.008 χ^2/NDF:2348482.8/59

All: 69.294+/-0.006 χ^2/NDF: 4296429.9/113



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: 314.067+/-107.956 χ^2/NDF: 29.5/34

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

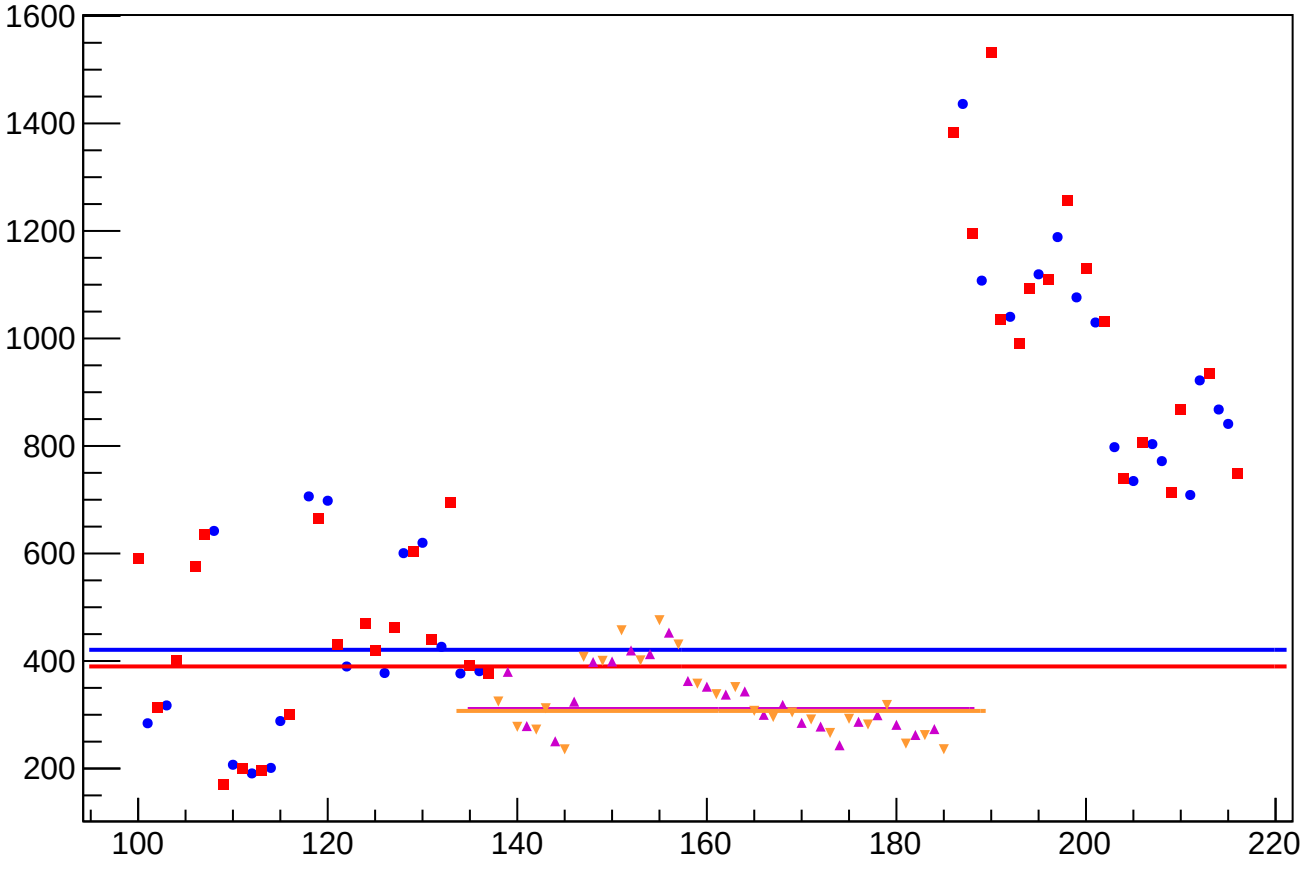
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 34.600+/-78.106 χ^2/NDF: 88.7/65

In: -58.613+/-61.835 χ^2/NDF:82.0/53

Out: -86.536+/-59.477 χ^2/NDF:108.1/59

All: -73.117+/-42.866 χ^2/NDF: 190.2/113



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: 389.879+/-0.076 χ^2/NDF: 13004279.3/34

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

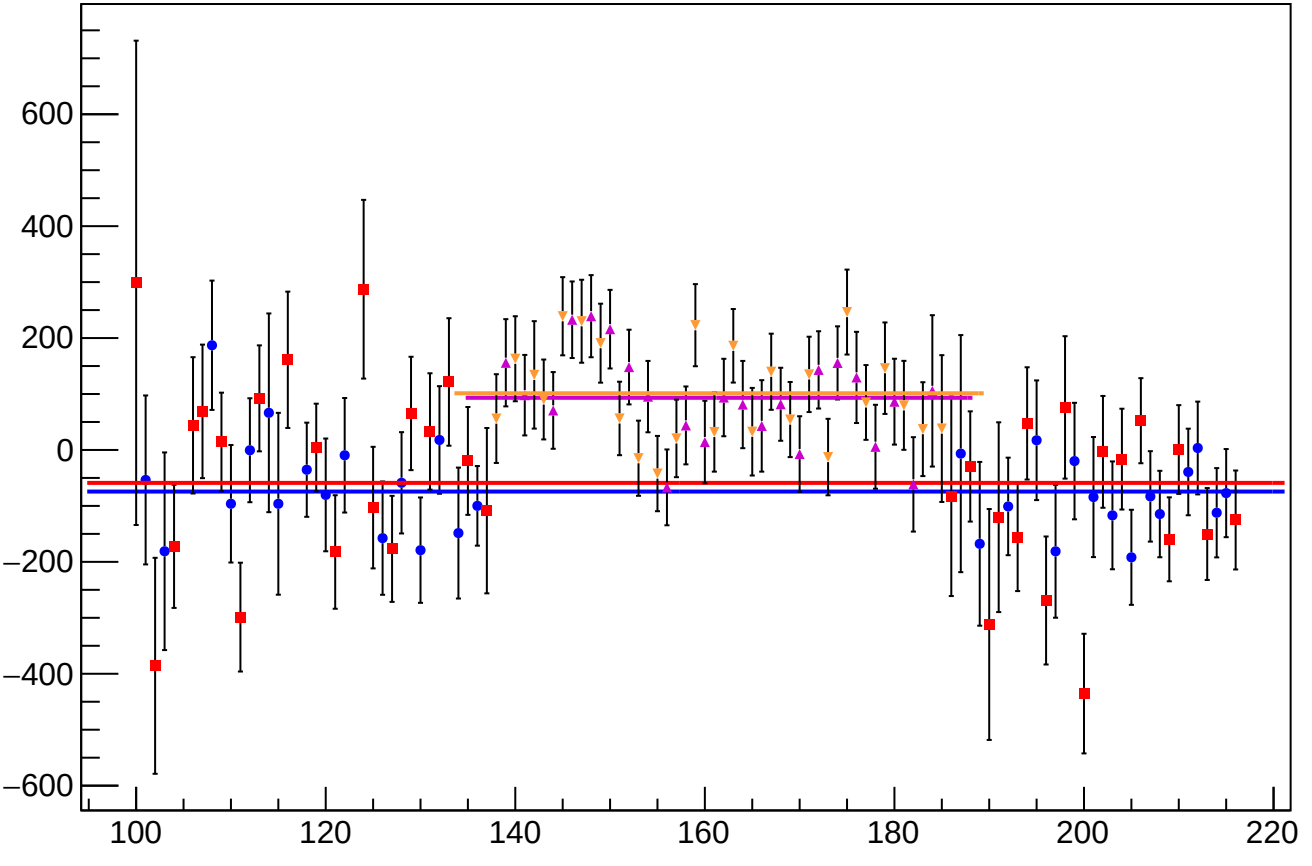
Right: 404.627+/-0.055 χ^2/NDF: 23727203.0/65

In: 343.590+/-0.044 χ^2/NDF:13052953.2/53

Out: 332.256+/-0.042 χ^2/NDF:15142567.9/59

All: 337.703+/-0.030 χ^2/NDF: 28230426.2/11

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: -58.840+/-17.633 χ^2/NDF: 60.3/34

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

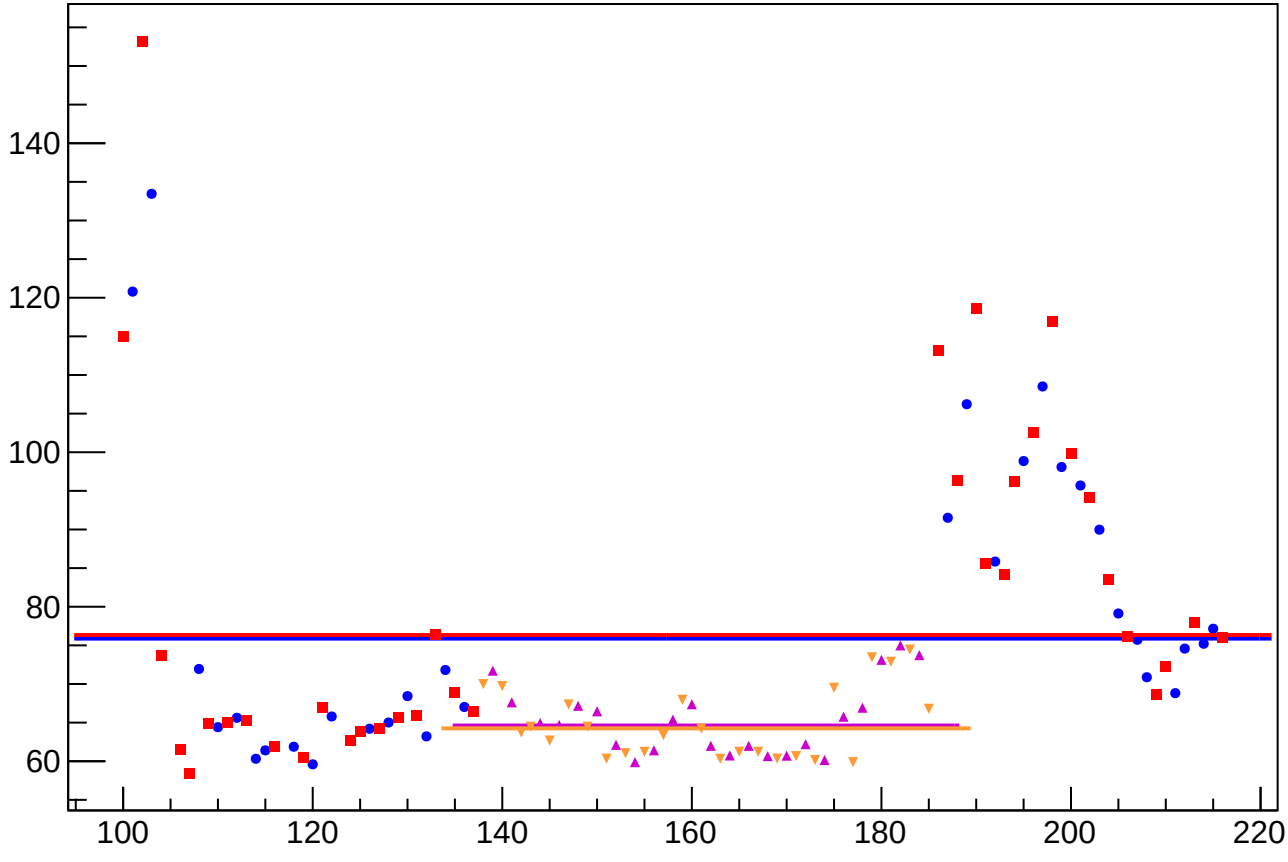
Right: -66.584+/-12.475 χ^2/NDF: 77.7/65

In: 22.231+/-11.491 χ^2/NDF:97.7/53

Out: 35.958+/-11.264 χ^2/NDF:143.0/59

All: 29.231+/-8.044 χ^2/NDF: 241.5/113

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: 76.335+/-0.012 χ^2/NDF: 1619106.6/34

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

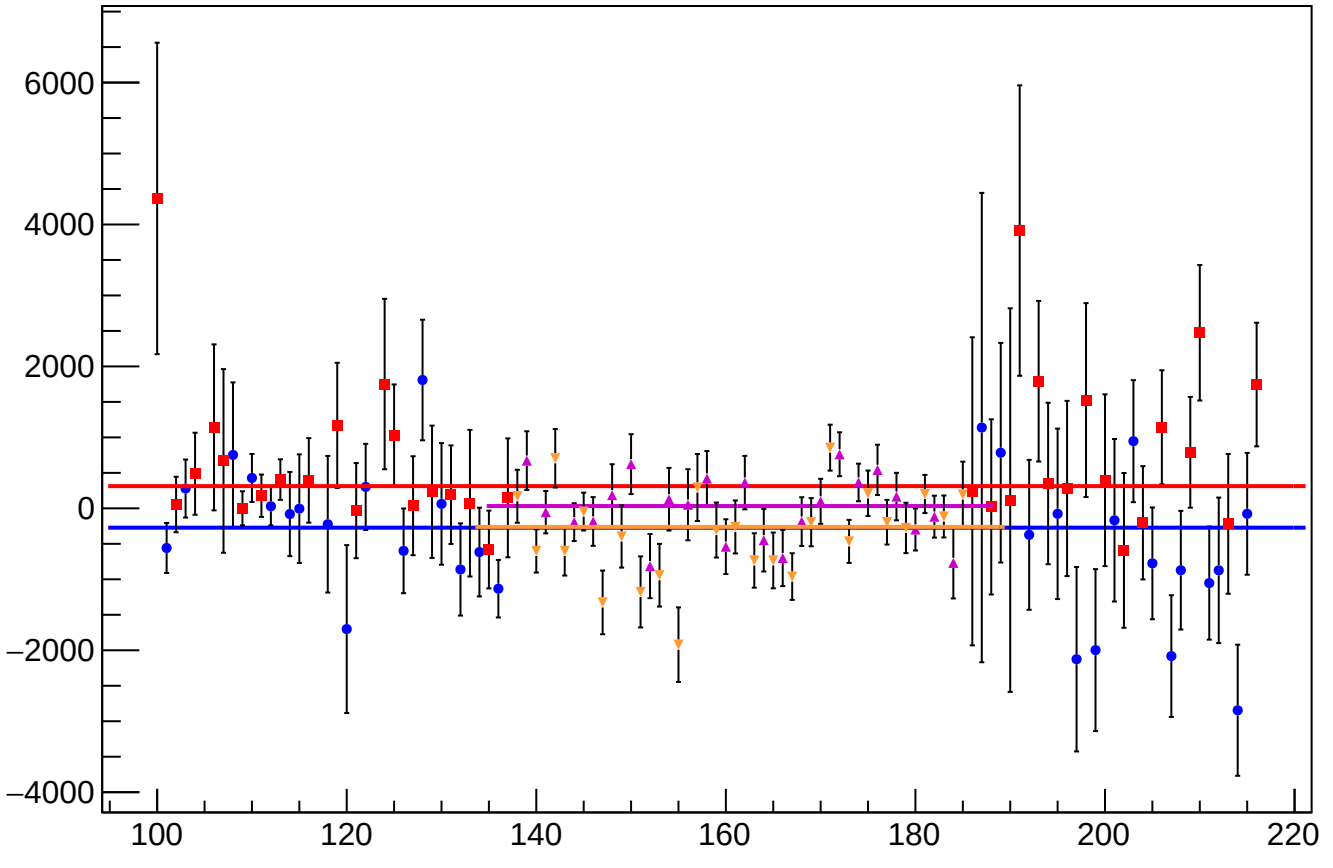
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.106+/-0.009 χ^2/NDF: 2951680.8/65

In: 69.390+/-0.008 χ^2/NDF:1947675.0/53

Out: 69.185+/-0.008 χ^2/NDF:2352354.9/59

All: 69.286+/-0.006 χ^2/NDF: 4300353.8/113



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: 312.907+/-108.115 χ^2/NDF: 29.5/34

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

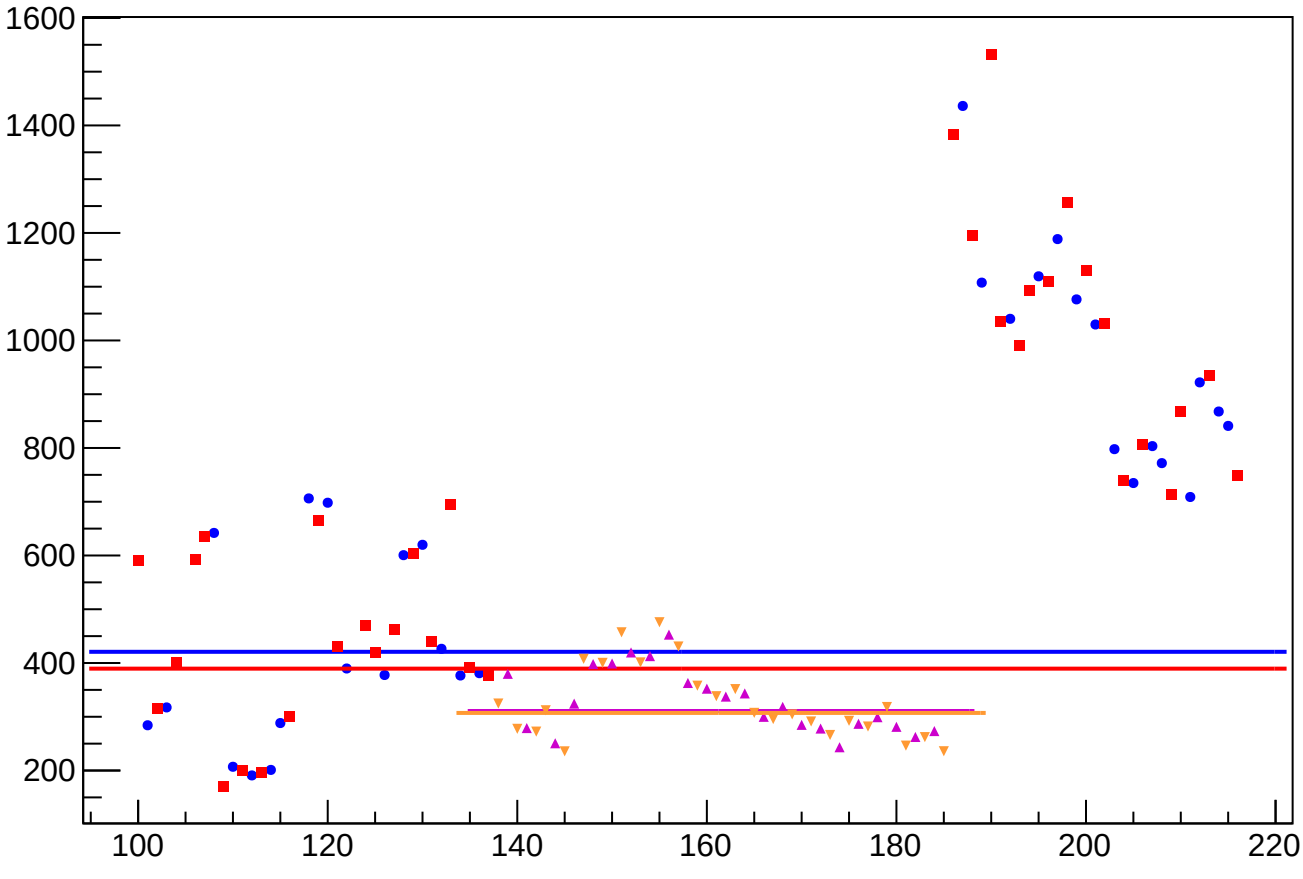
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

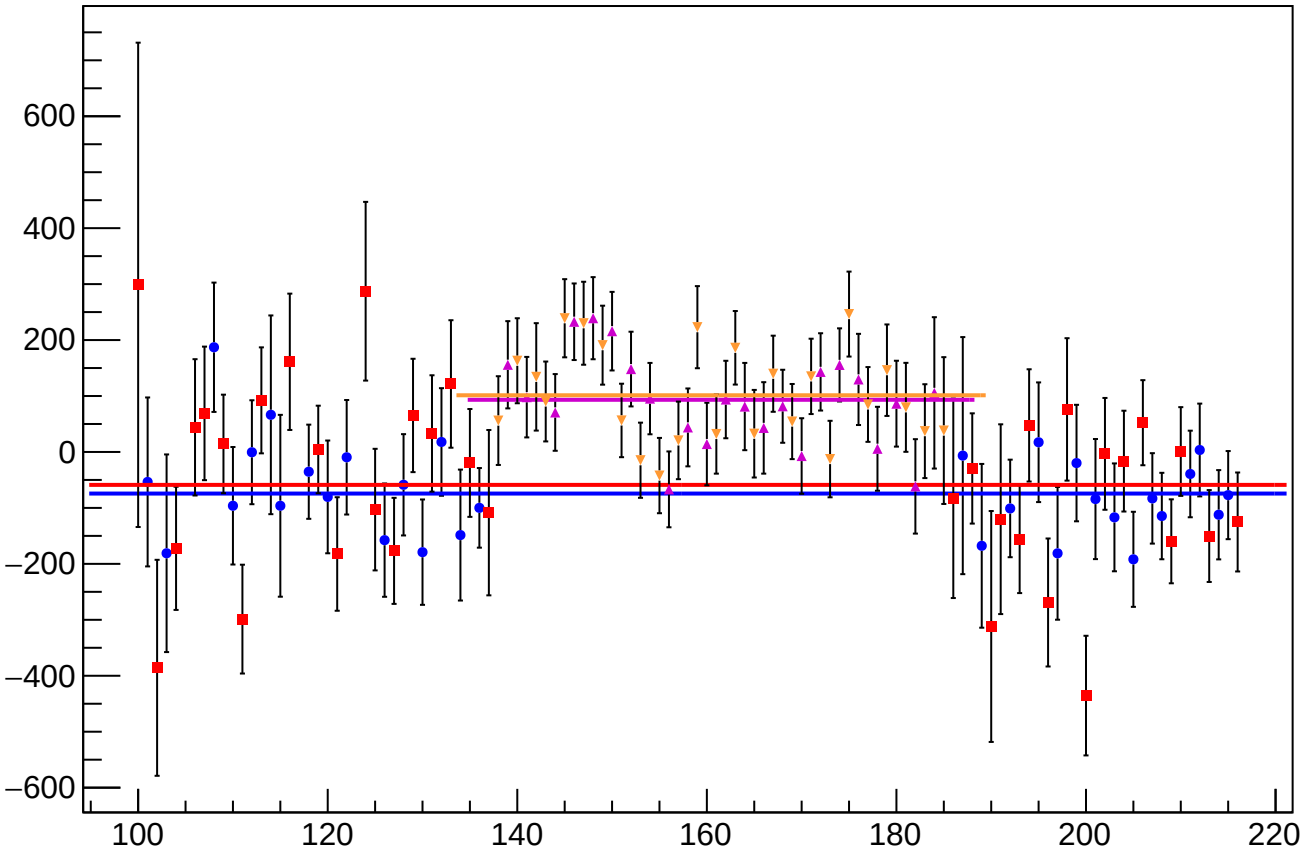
Right: 33.565+/-78.167 χ^2/NDF: 88.6/65

In: -58.614+/-61.835 χ^2/NDF:82.0/53

Out: -87.246+/-59.503 χ^2/NDF:107.9/59

All: -73.480+/-42.876 χ^2/NDF: 190.0/113


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: 389.514+/-0.076 χ²/NDF: 12997127.4/34
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 404.460+/-0.055 χ²/NDF: 23721737.7/65
In: 343.591+/-0.044 χ²/NDF:13052938.6/53
Out: 332.094+/-0.042 χ²/NDF:15126556.7/59
All: 337.622+/-0.030 χ²/NDF: 28215394.2/1



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: -58.840+/-17.633 χ^2/NDF: 60.3/34

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

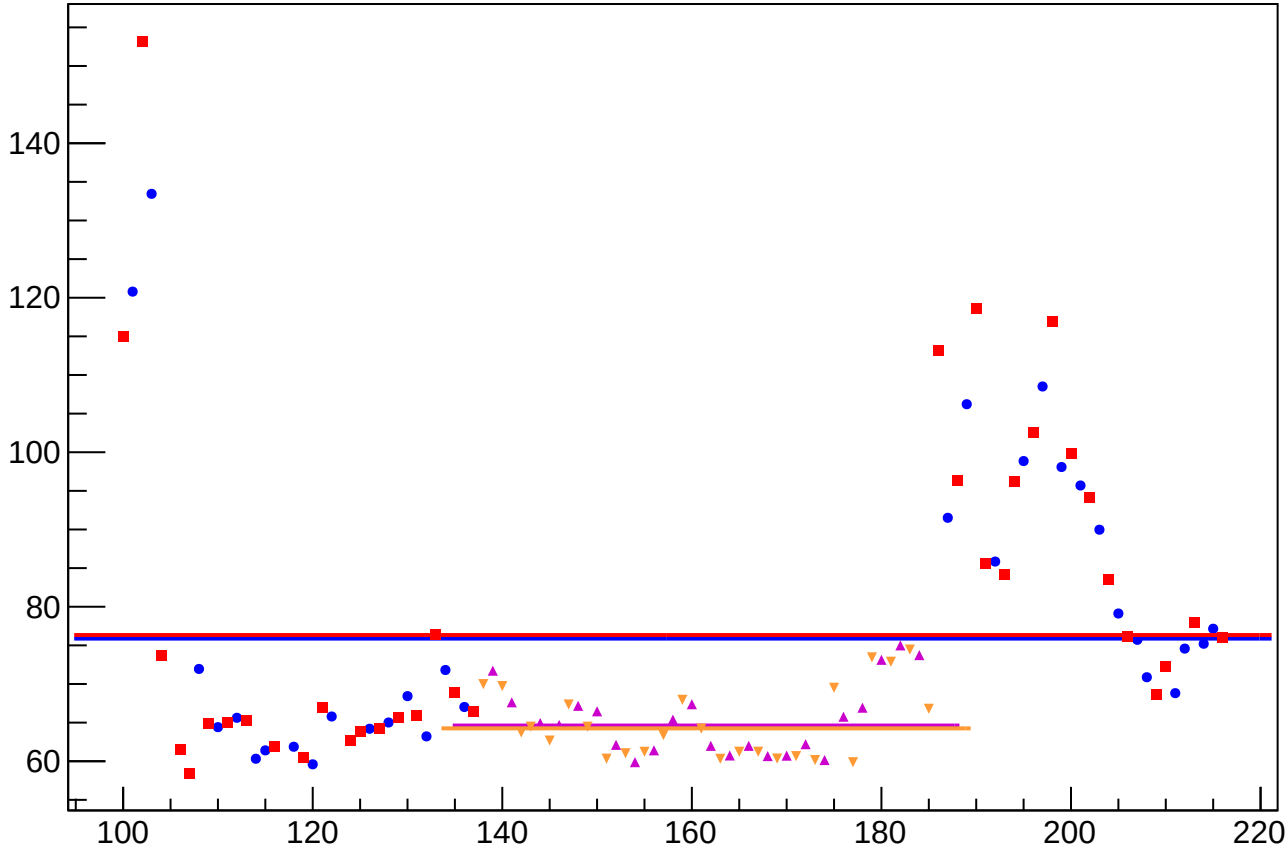
Right: -66.584+/-12.475 χ^2/NDF: 77.7/65

In: 22.231+/-11.491 χ^2/NDF:97.7/53

Out: 35.958+/-11.264 χ^2/NDF:143.0/59

All: 29.231+/-8.044 χ^2/NDF: 241.5/113

eigen_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: 76.335+/-0.012 χ^2/NDF: 1619106.6/34

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

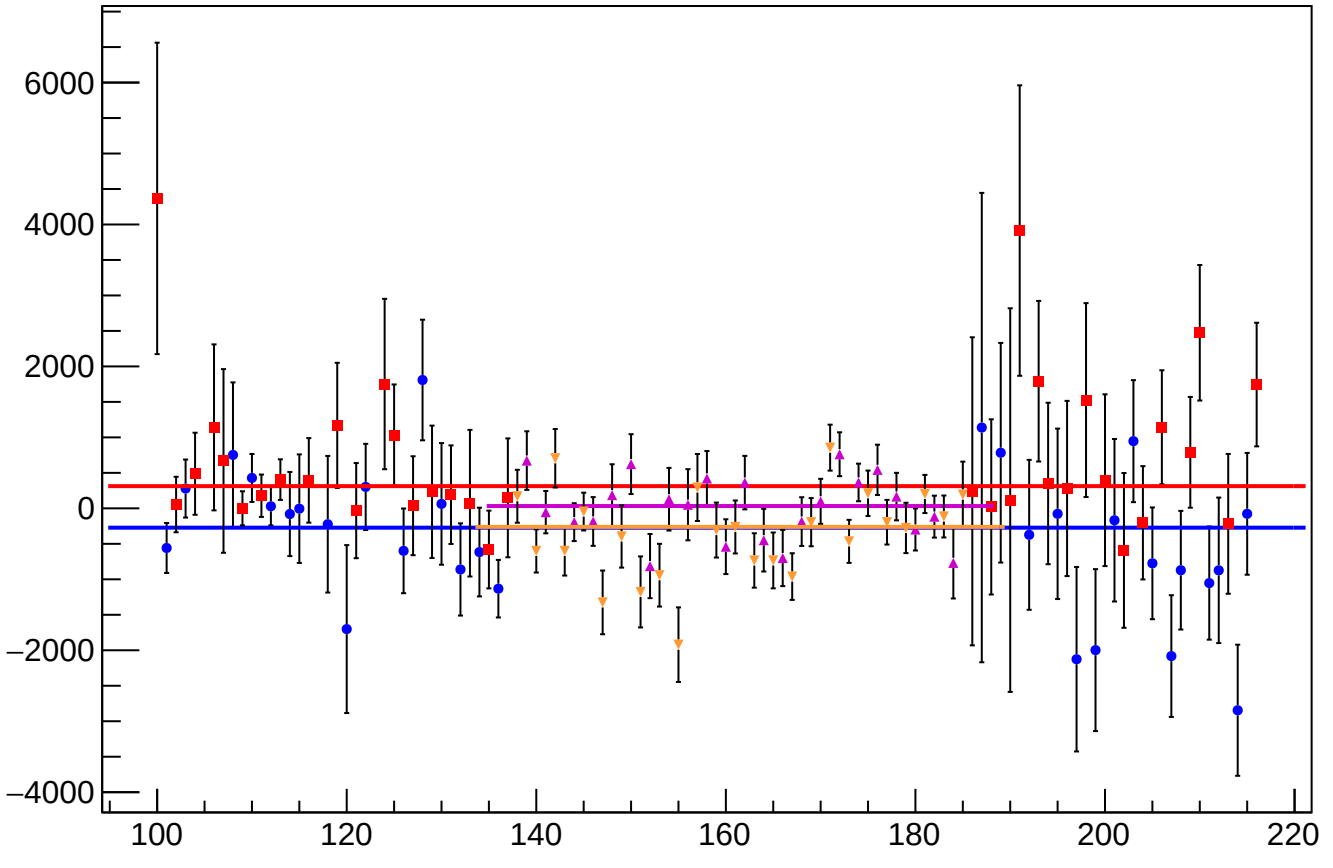
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.106+/-0.009 χ^2/NDF: 2951680.8/65

In: 69.390+/-0.008 χ^2/NDF:1947675.0/53

Out: 69.185+/-0.008 χ^2/NDF:2352354.9/59

All: 69.286+/-0.006 χ^2/NDF: 4300353.8/113



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: 312.907+/-108.115 χ^2/NDF: 29.5/34

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

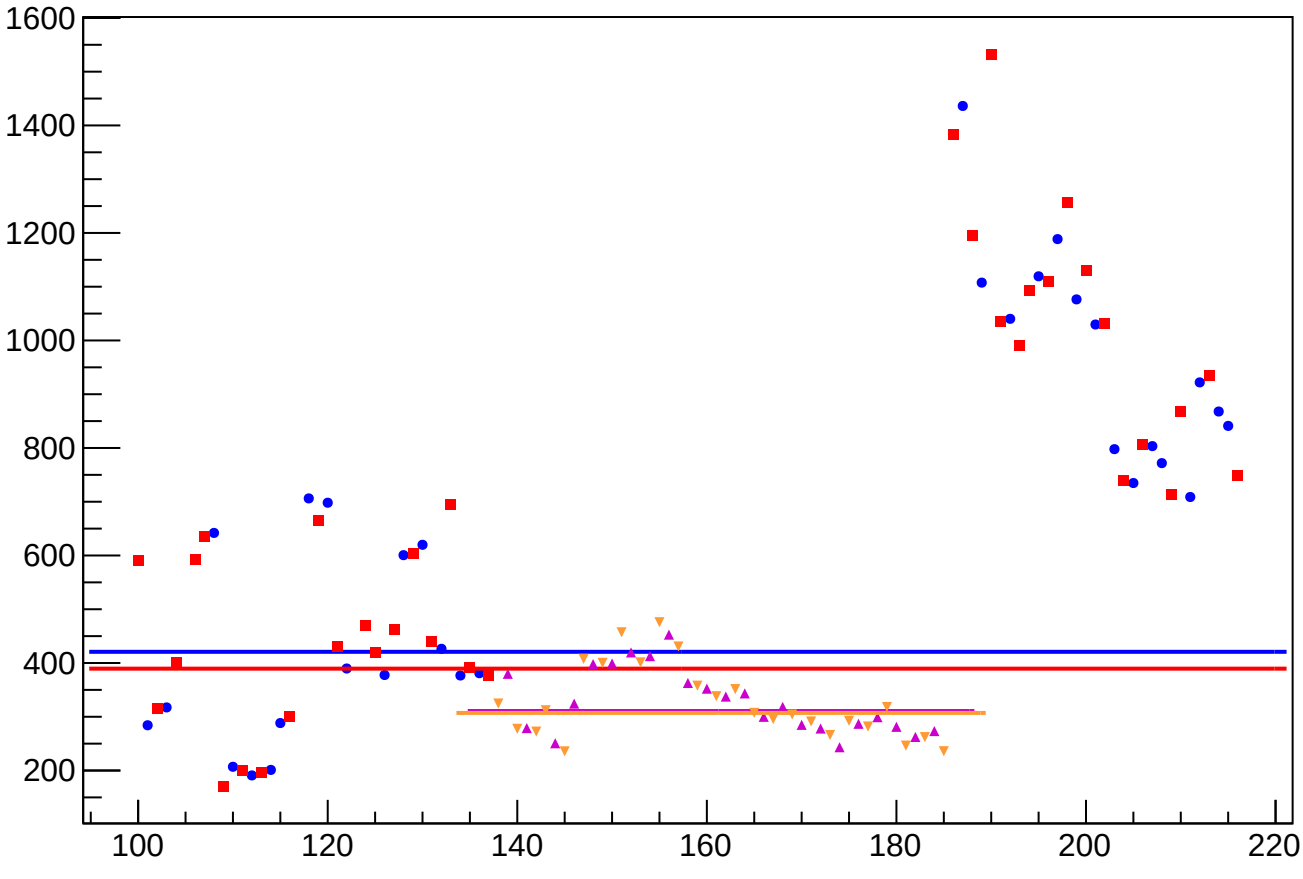
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 33.565+/-78.167 χ^2/NDF: 88.6/65

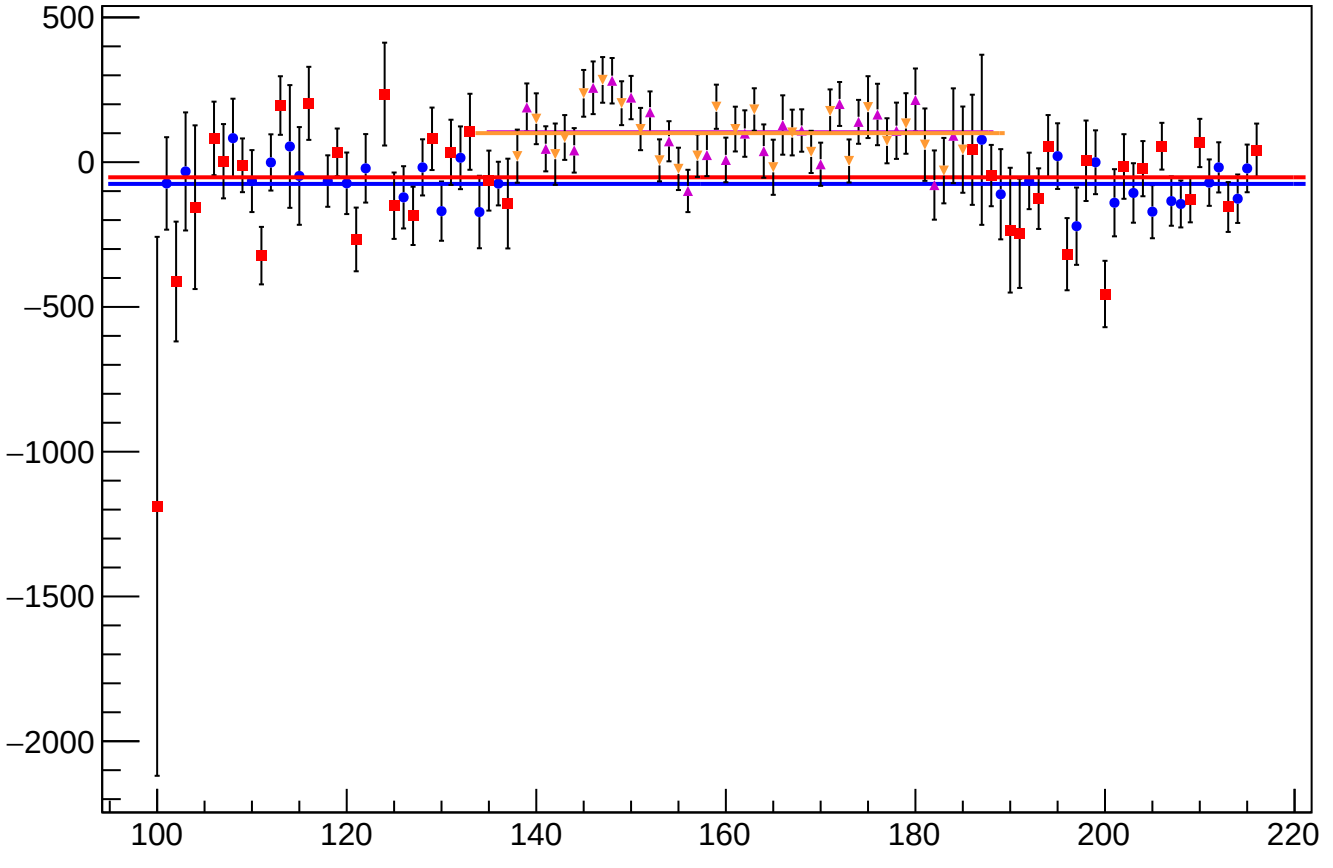
In: -58.614+/-61.835 χ^2/NDF:82.0/53

Out: -87.246+/-59.503 χ^2/NDF:107.9/59

All: -73.480+/-42.876 χ^2/NDF: 190.0/113


asym_sam7_eigen_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: 389.514+/-0.076 χ²/NDF: 12997127.4/34
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 404.460+/-0.055 χ²/NDF: 23721737.7/65
In: 343.591+/-0.044 χ²/NDF:13052938.6/53
Out: 332.094+/-0.042 χ²/NDF:15126556.7/59
All: 337.622+/-0.030 χ²/NDF: 28215394.2/11

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: -52.227+/-18.981 χ^2/NDF: 65.7/34

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

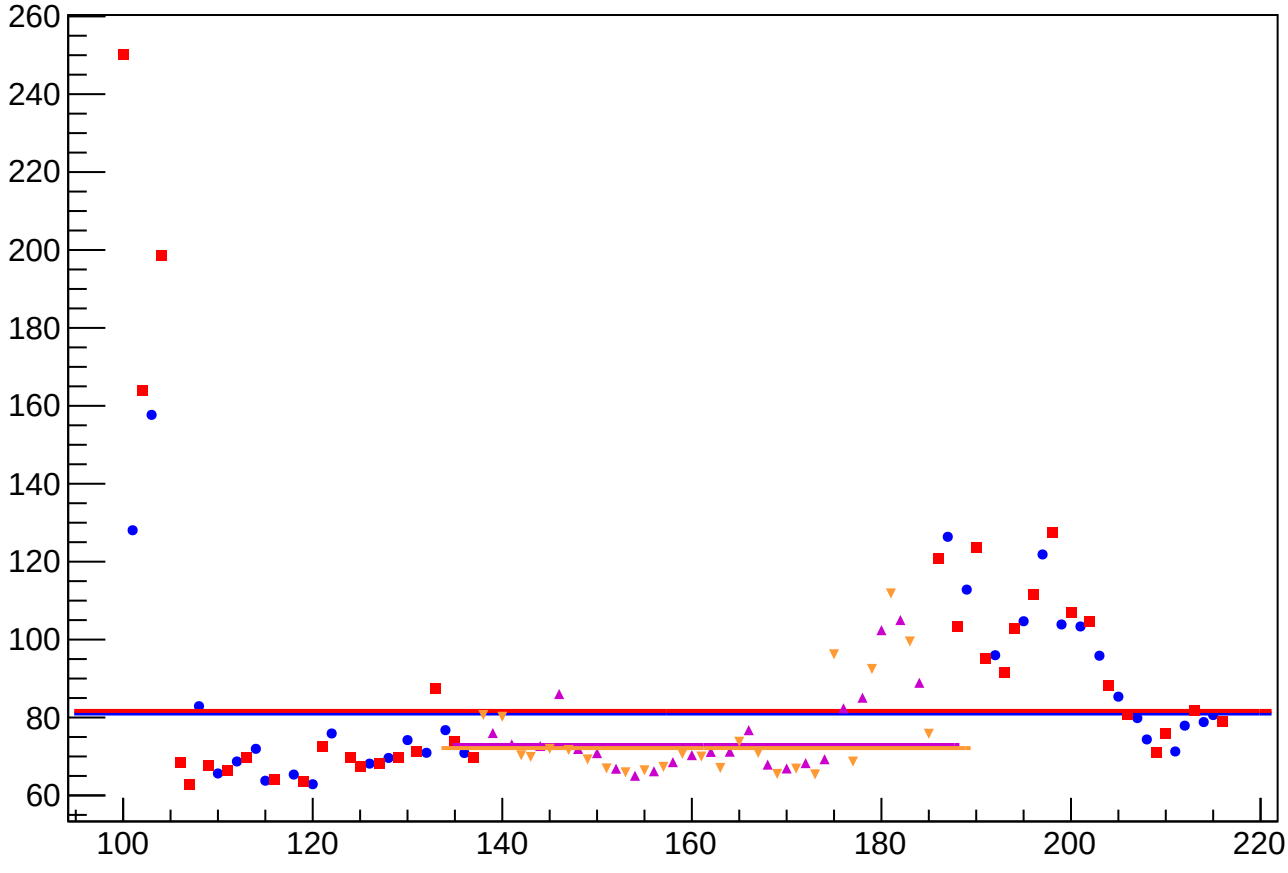
Right: -63.693+/-13.394 χ^2/NDF: 78.3/65

In: 22.238+/-12.746 χ^2/NDF:93.2/53

Out: 34.070+/-12.506 χ^2/NDF:129.9/59

All: 28.266+/-8.927 χ^2/NDF: 223.5/113

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: 81.689+/-0.013 χ^2/NDF: 2128719.8/34

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

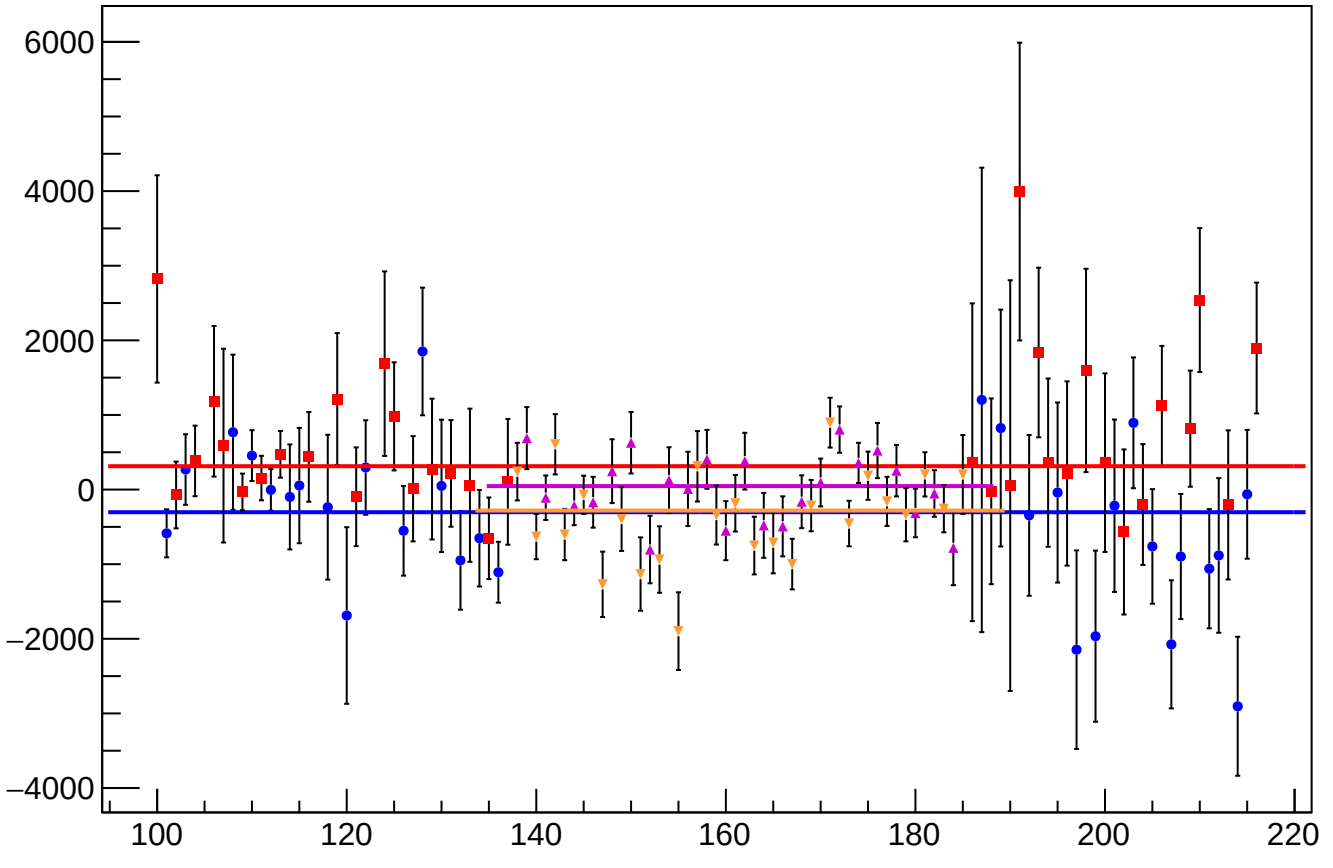
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 81.357+/-0.009 χ^2/NDF: 3635351.4/65

In: 76.621+/-0.009 χ^2/NDF:2213607.2/53

Out: 76.291+/-0.009 χ^2/NDF:3056584.9/59

All: 76.453+/-0.006 χ^2/NDF: 5270874.4/113



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: 313.358+/-109.815 χ^2/NDF: 31.8/34

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

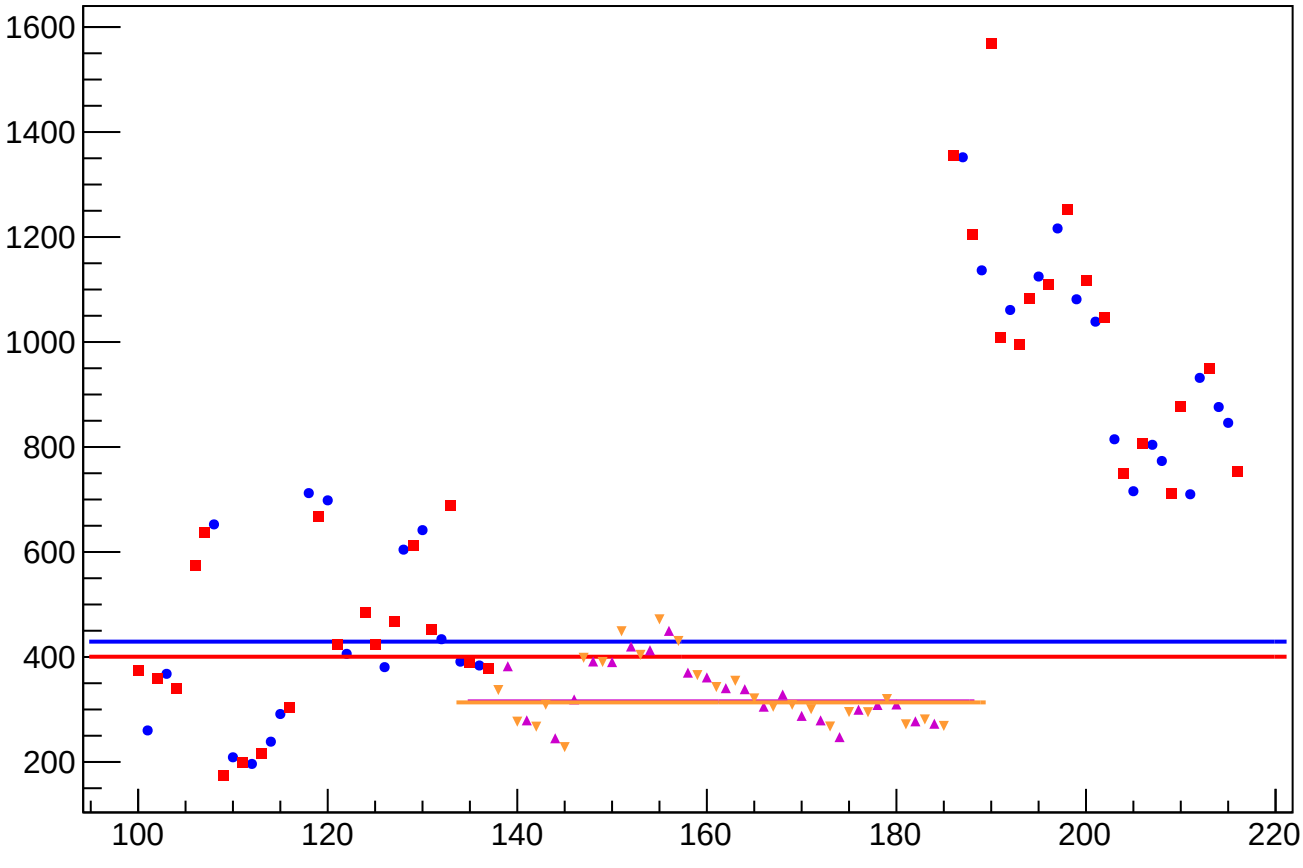
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 19.384+/-79.446 χ^2/NDF: 91.5/65

In: -57.577+/-62.773 χ^2/NDF:81.9/53

Out: -100.591+/-60.526 χ^2/NDF:109.1/59

All: -79.867+/-43.571 χ^2/NDF: 191.2/113



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: 400.492+/-0.078 χ^2/NDF: 12549031.2/34

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

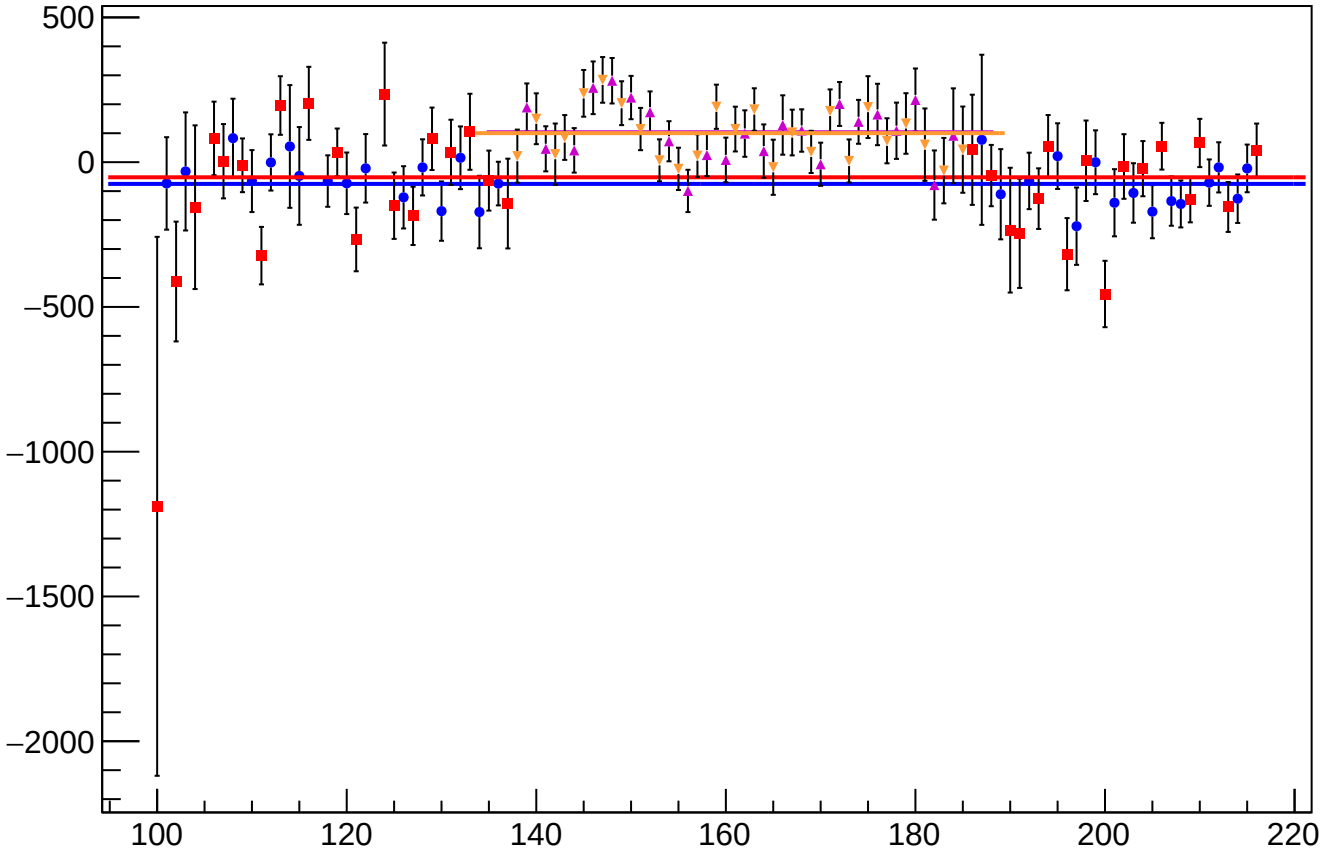
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 414.195+/-0.056 χ^2/NDF: 23116248.3/65

In: 349.314+/-0.044 χ^2/NDF:12884002.9/53

Out: 339.926+/-0.043 χ^2/NDF:14598366.1/59

All: 344.449+/-0.031 χ^2/NDF: 27505548.3/11



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: -52.228+/-18.981 χ^2/NDF: 65.7/34

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

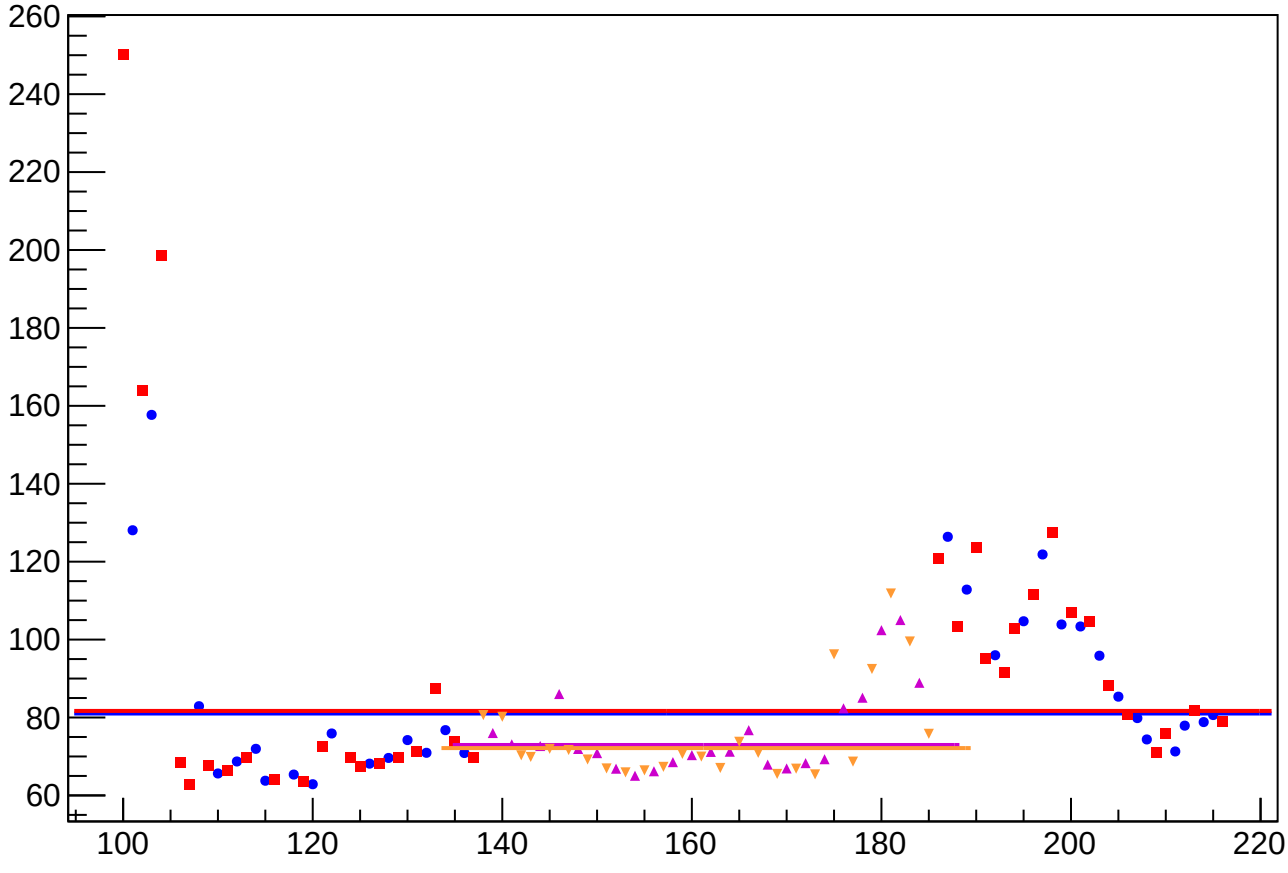
Right: -63.693+/-13.394 χ^2/NDF: 78.3/65

In: 22.238+/-12.746 χ^2/NDF:93.2/53

Out: 34.069+/-12.506 χ^2/NDF:129.9/59

All: 28.266+/-8.927 χ^2/NDF: 223.5/113

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: 81.689+/-0.013 χ^2/NDF: 2128721.2/34

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

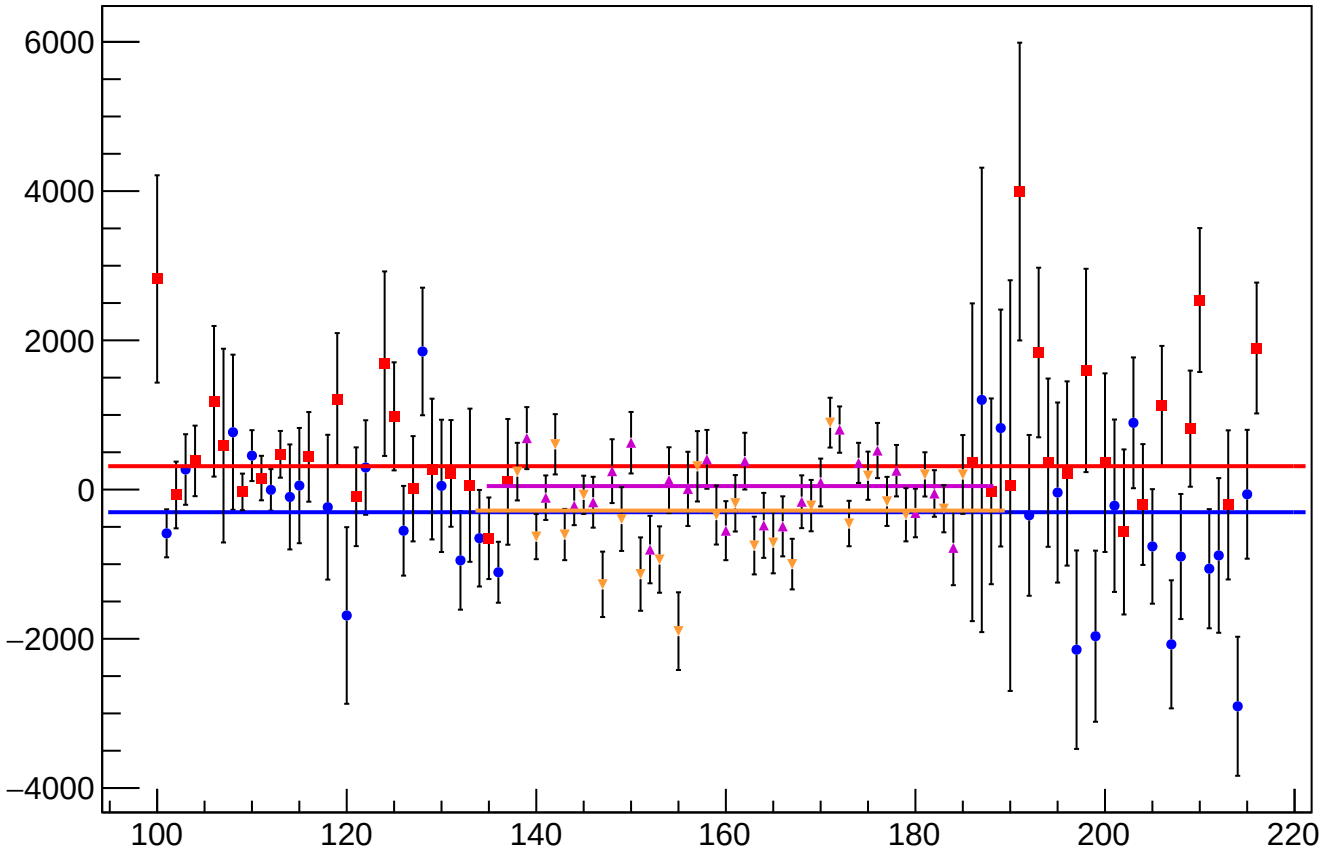
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 81.356+/-0.009 χ^2/NDF: 3635359.5/65

In: 76.621+/-0.009 χ^2/NDF:2213610.7/53

Out: 76.291+/-0.009 χ^2/NDF:3056578.8/59

All: 76.453+/-0.006 χ^2/NDF: 5270871.9/113



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: 313.356+/-109.815 χ^2/NDF: 31.8/34

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

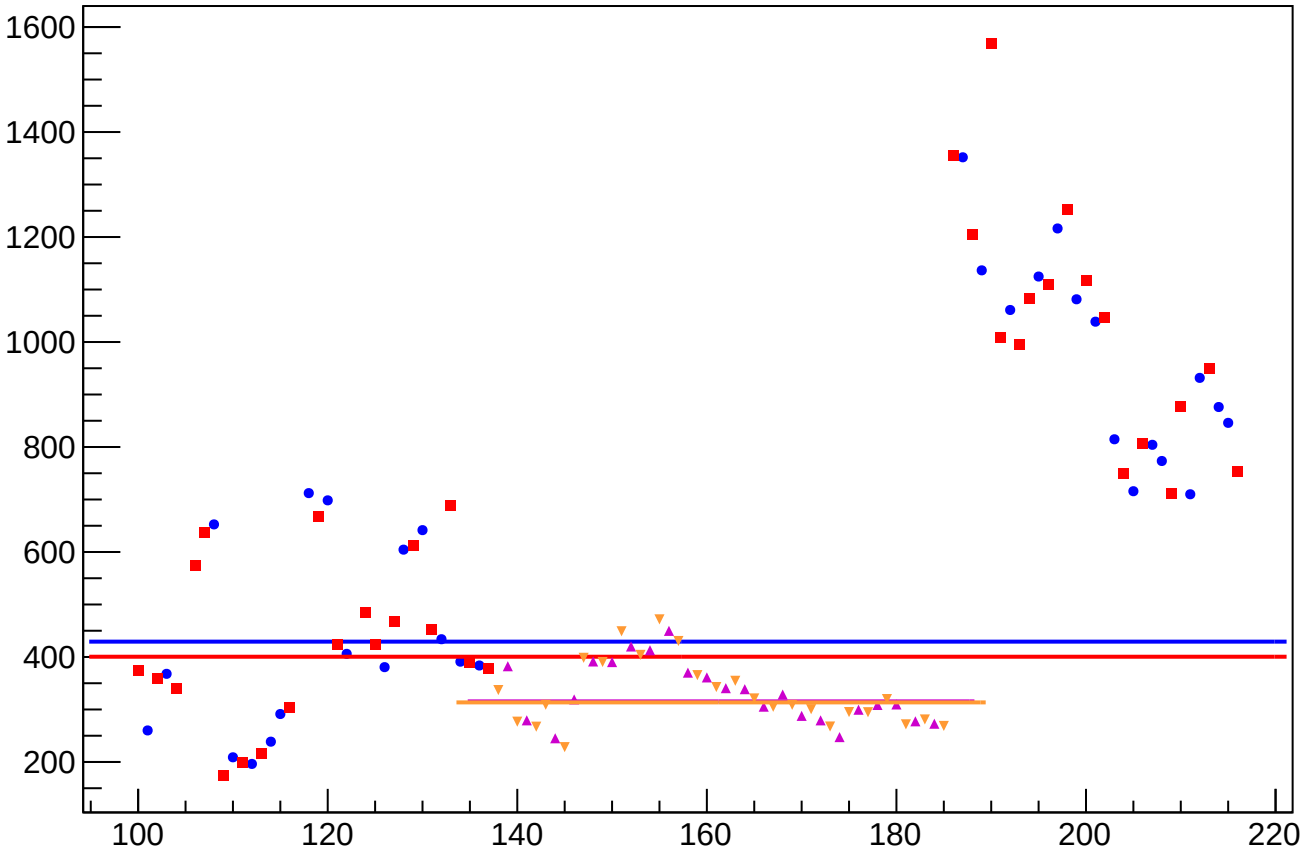
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 19.384+/-79.445 χ^2/NDF: 91.5/65

In: -57.577+/-62.773 χ^2/NDF:81.9/53

Out: -100.590+/-60.525 χ^2/NDF:109.1/59

All: -79.867+/-43.571 χ^2/NDF: 191.2/113



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: 400.490+/-0.078 χ^2/NDF: 12549098.7/34

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

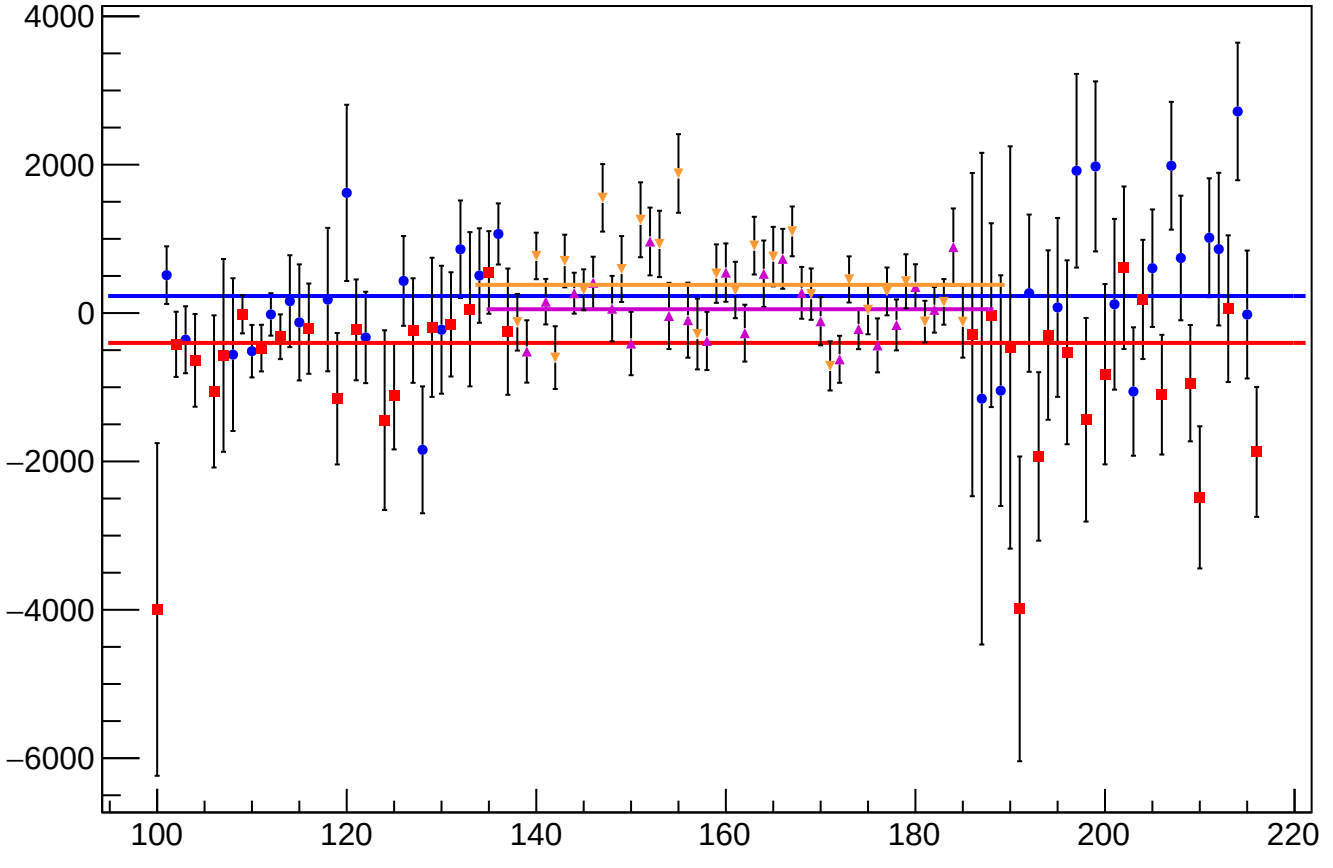
Right: 414.193+/-0.056 χ^2/NDF: 23116434.7/65

In: 349.313+/-0.044 χ^2/NDF:12884053.1/53

Out: 339.926+/-0.043 χ^2/NDF:14598402.1/59

All: 344.449+/-0.031 χ^2/NDF: 27505634.3/11

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: -402.514+/-112.707 χ^2/NDF: 27.5/34

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

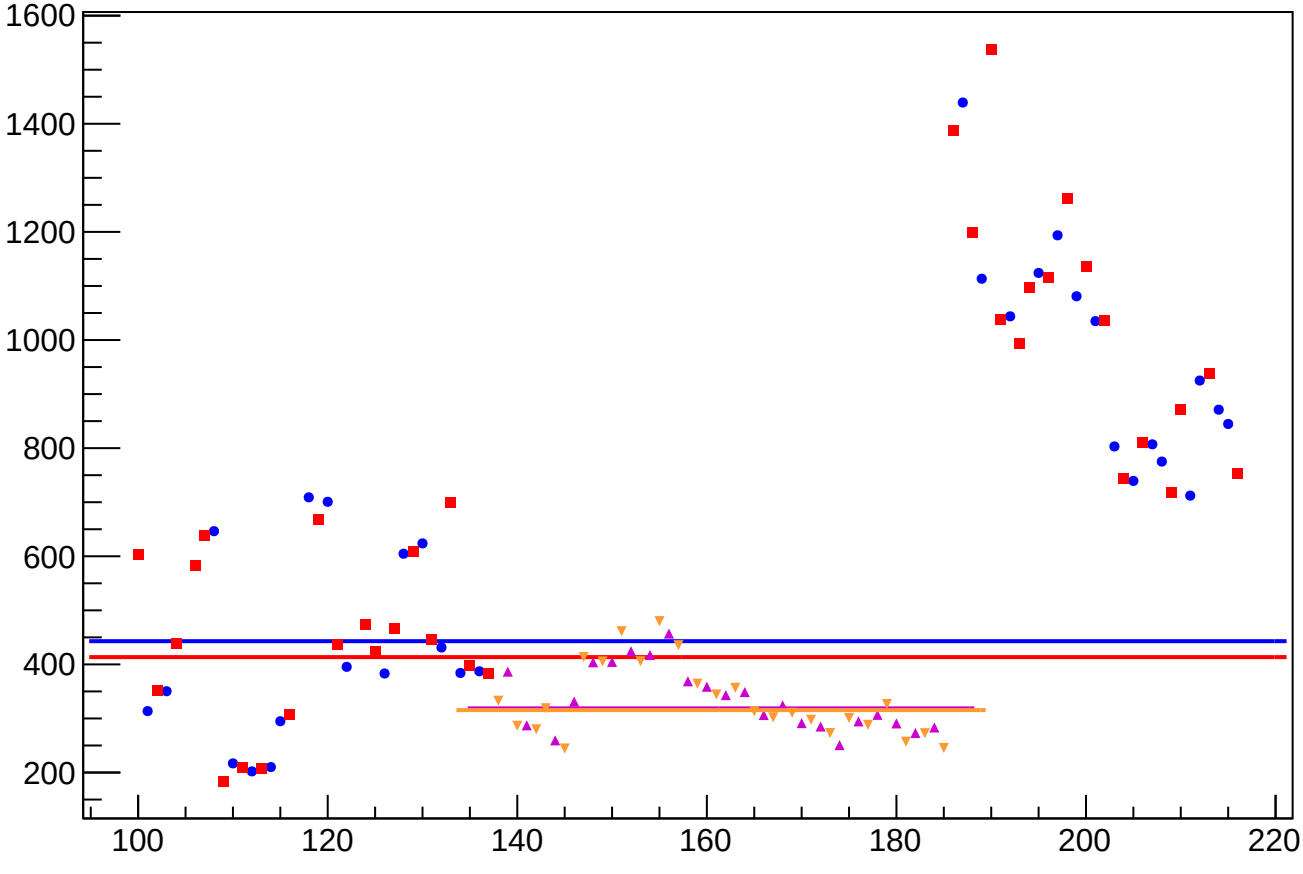
Right: -99.777+/-81.360 χ^2/NDF: 84.9/65

In: 103.621+/-63.606 χ^2/NDF:72.2/53

Out: 148.930+/-61.304 χ^2/NDF:116.9/59

All: 127.110+/-44.140 χ^2/NDF: 189.4/113

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: 413.488+/-0.080 χ^2/NDF: 12205069.2/34

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

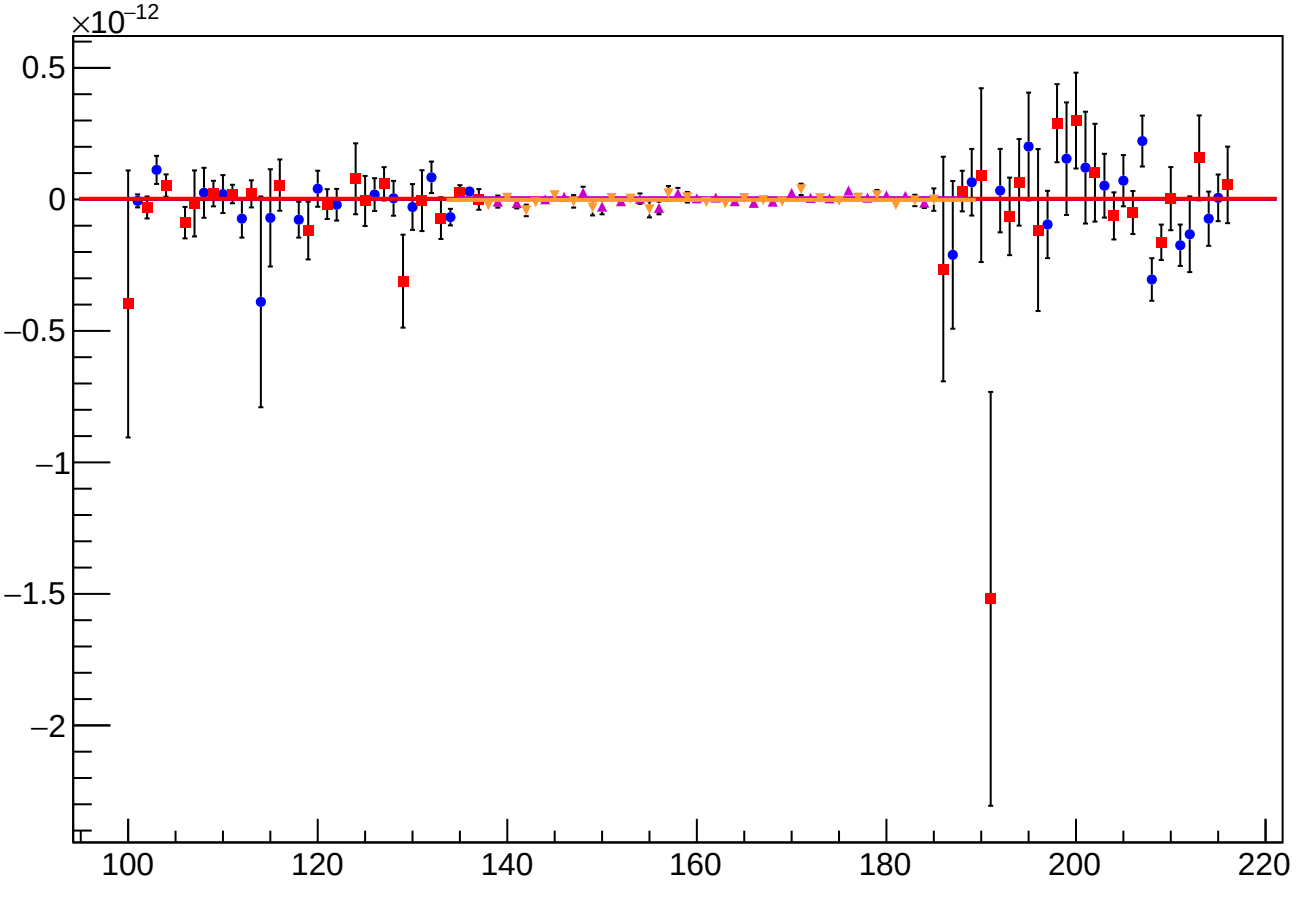
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 427.605+/-0.058 χ^2/NDF: 22199522.8/65

In: 355.063+/-0.045 χ^2/NDF:12501226.6/53

Out: 344.417+/-0.043 χ^2/NDF:14481925.5/59

All: 349.544+/-0.031 χ^2/NDF: 27012201.0/11



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: 32.5/34

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

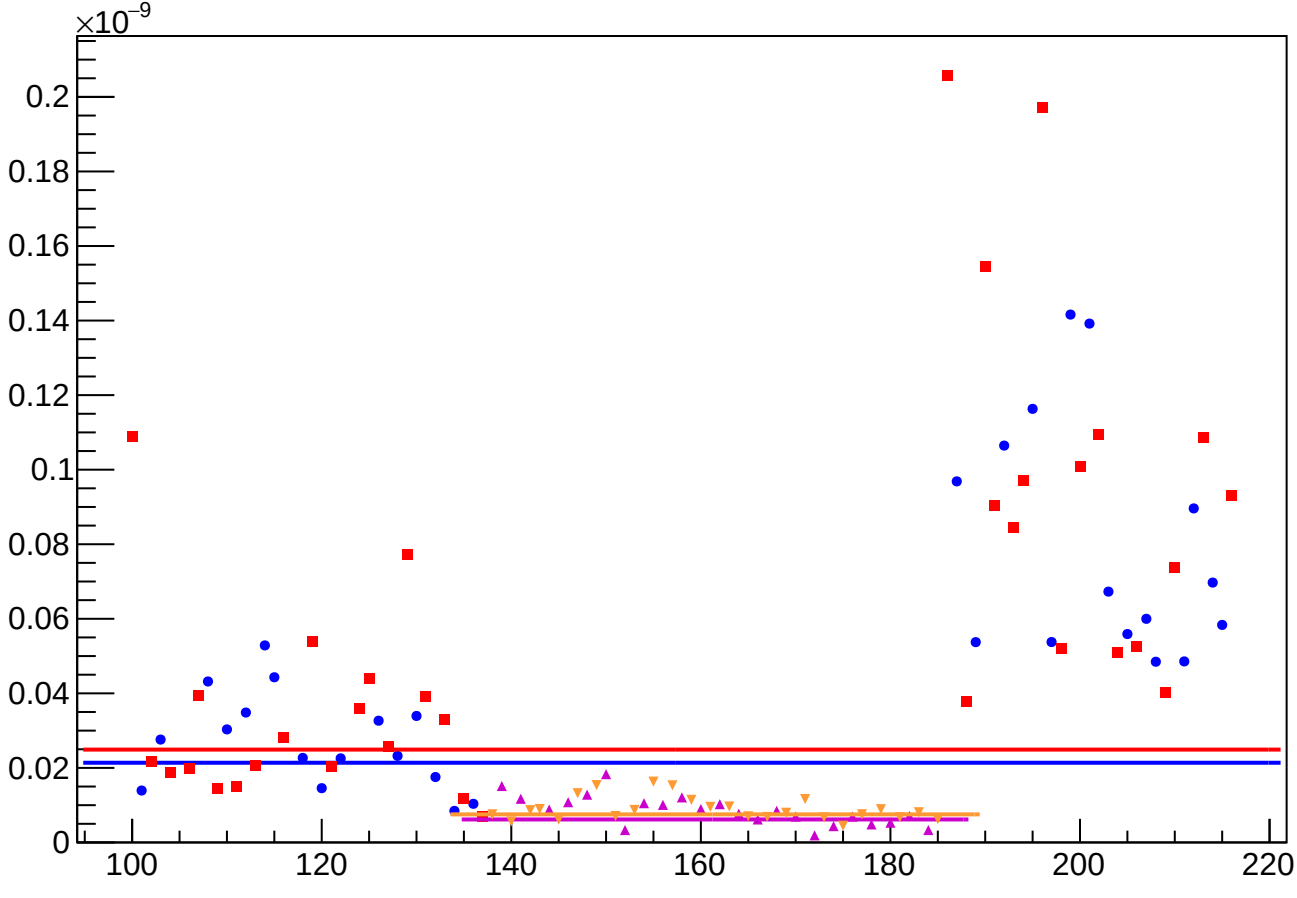
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 80.2/65

In: 0.000+/-0.000 χ^2/NDF:65.5/53

Out: -0.000+/-0.000 χ^2/NDF:51.6/59

All: 0.000+/-0.000 χ^2/NDF: 119.0/113



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: 6423068.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

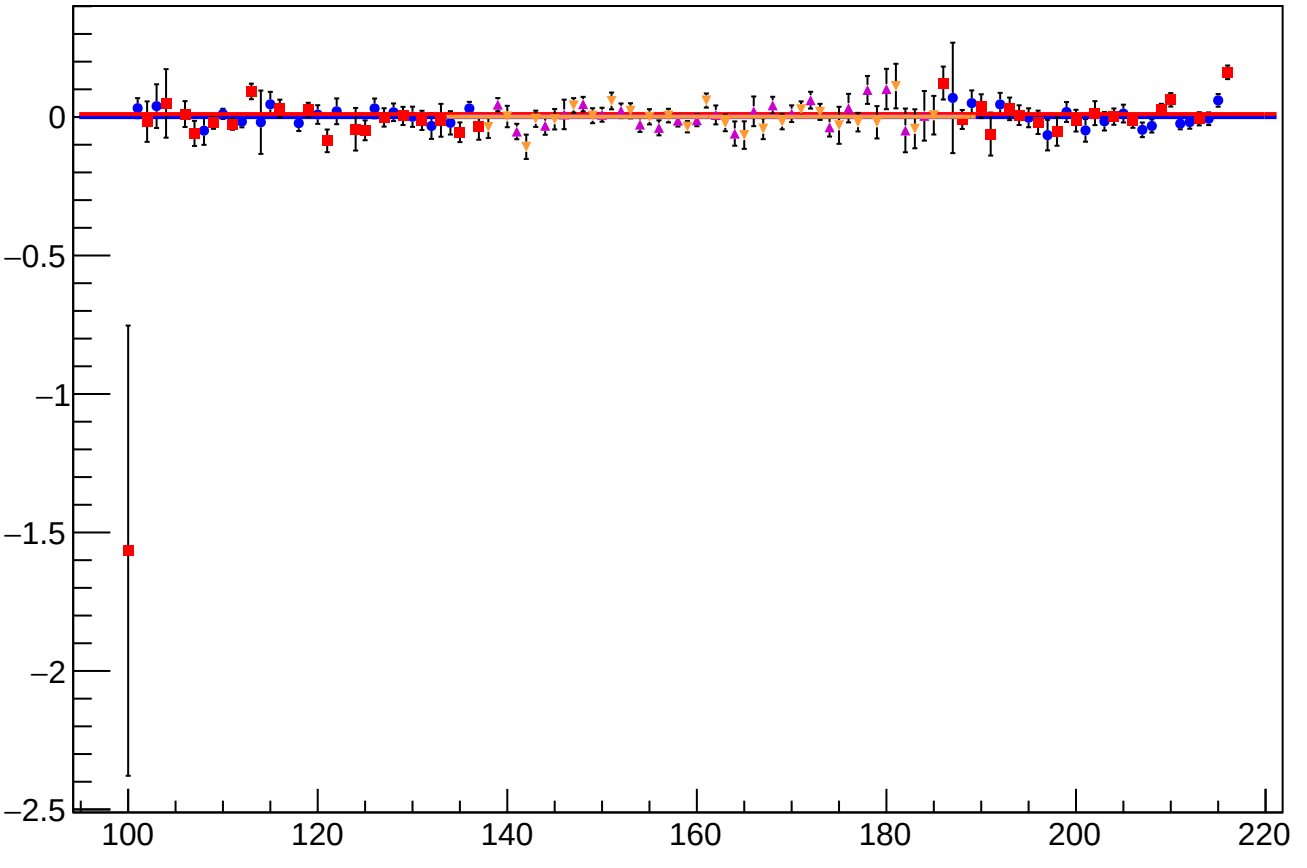
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13444397.0/65

In: 0.000+/-0.000 χ^2/NDF:13730193.2/53

Out: 0.000+/-0.000 χ^2/NDF:11626178.1/59

All: 0.000+/-0.000 χ^2/NDF: 25559271.8/113



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: 0.011+/-0.006 χ^2/NDF: 86.9/34

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

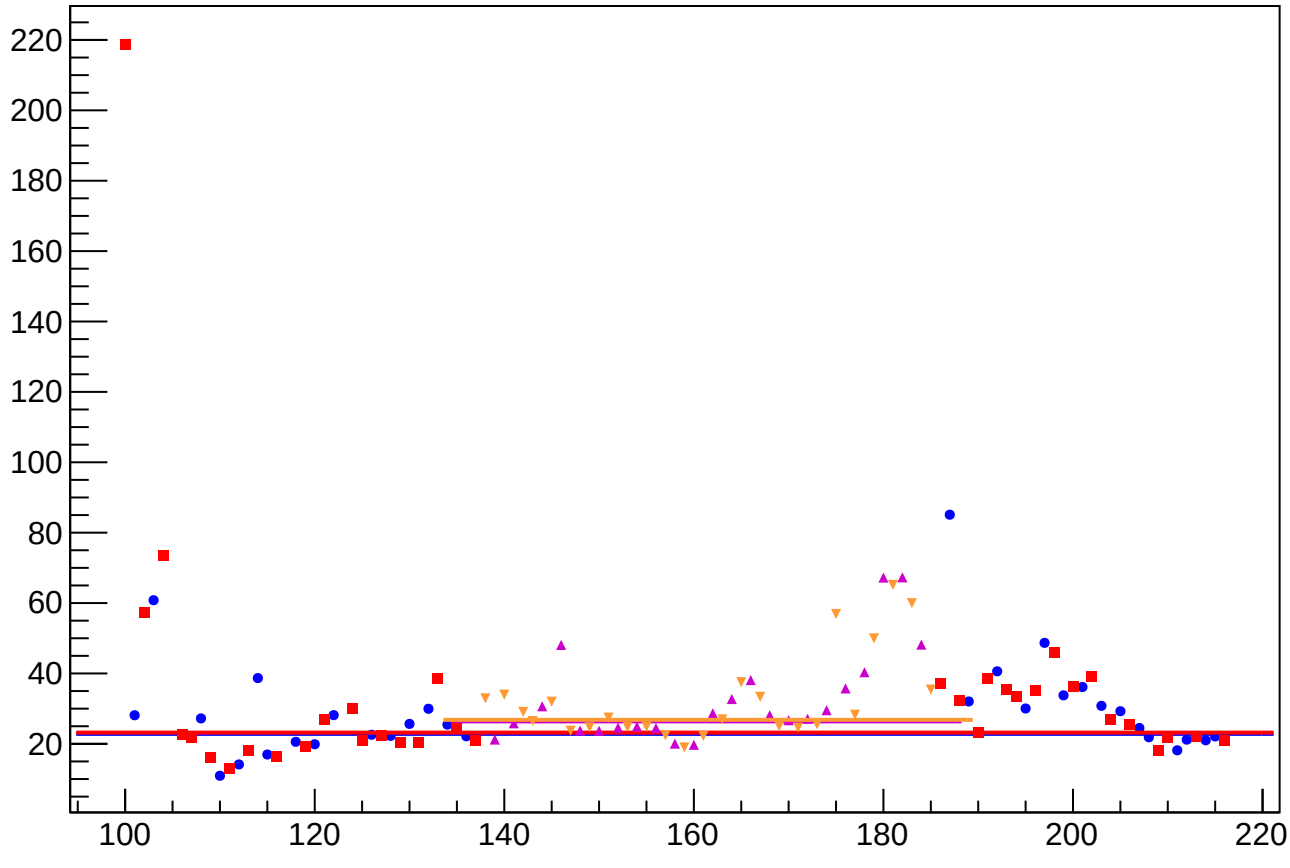
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.005+/-0.004 χ^2/NDF: 116.9/65

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.007+/-0.004 χ^2/NDF:118.4/59

All: 0.004+/-0.003 χ^2/NDF: 178.6/113



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: 23.188+/-0.004 χ^2/NDF: 3974549.4/34

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

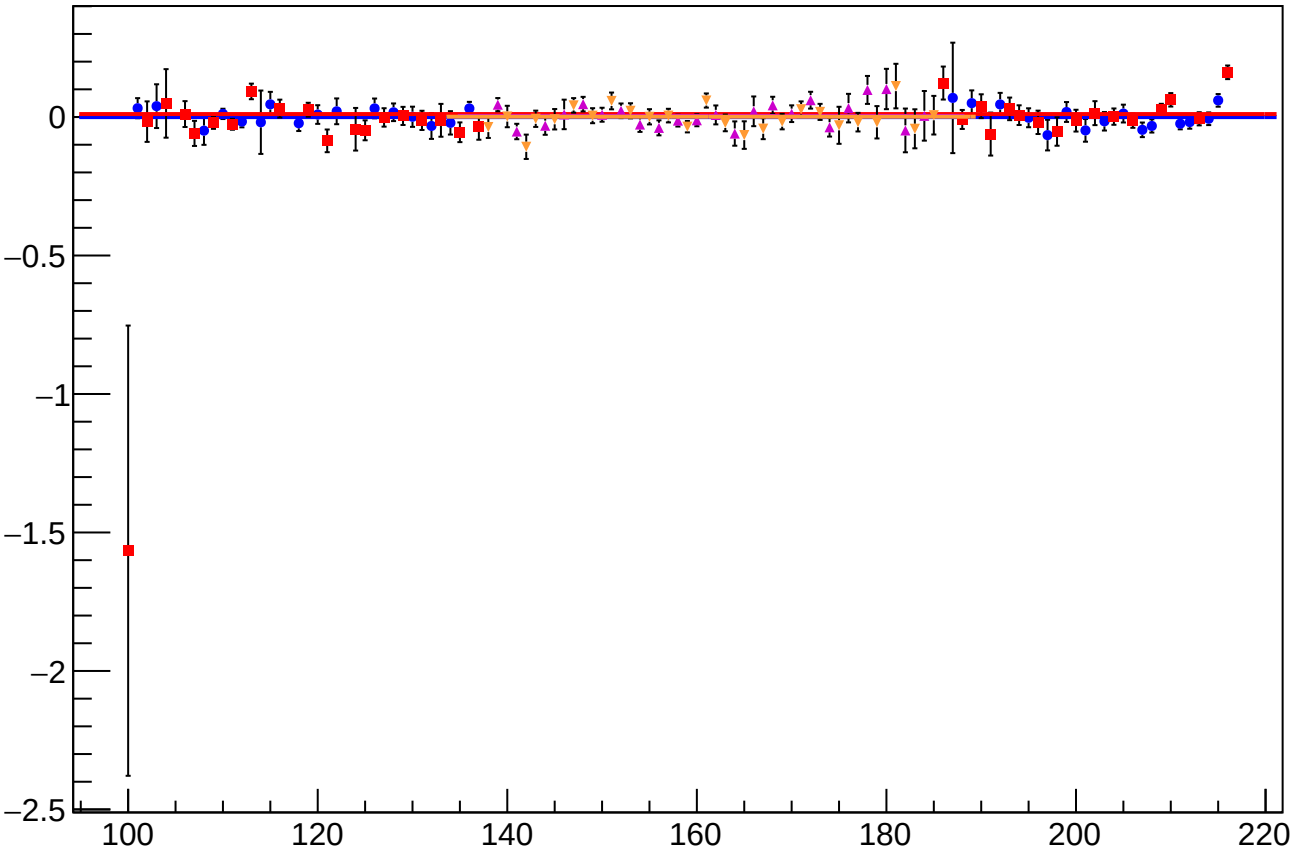
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.009+/-0.003 χ^2/NDF: 7754352.8/65

In: 24.322+/-0.003 χ^2/NDF:6676095.9/53

Out: 24.764+/-0.003 χ^2/NDF:6798561.5/59

All: 24.543+/-0.002 χ^2/NDF: 13485288.5/113



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: 0.011+/-0.006 χ^2/NDF: 86.9/34

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

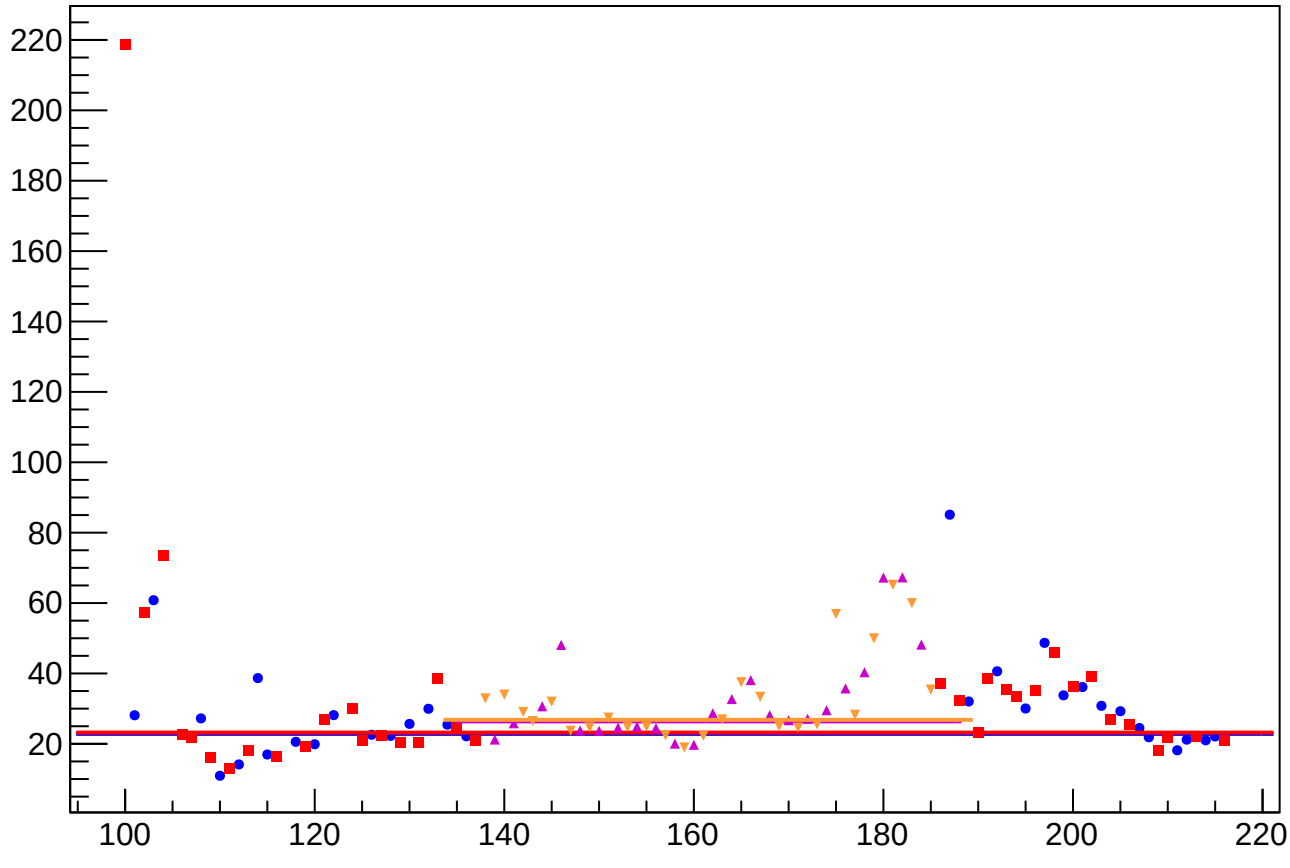
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.005+/-0.004 χ^2/NDF: 116.9/65

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.007+/-0.004 χ^2/NDF:118.4/59

All: 0.004+/-0.003 χ^2/NDF: 178.6/113



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: 23.188+/-0.004 χ^2/NDF: 3974549.4/34

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

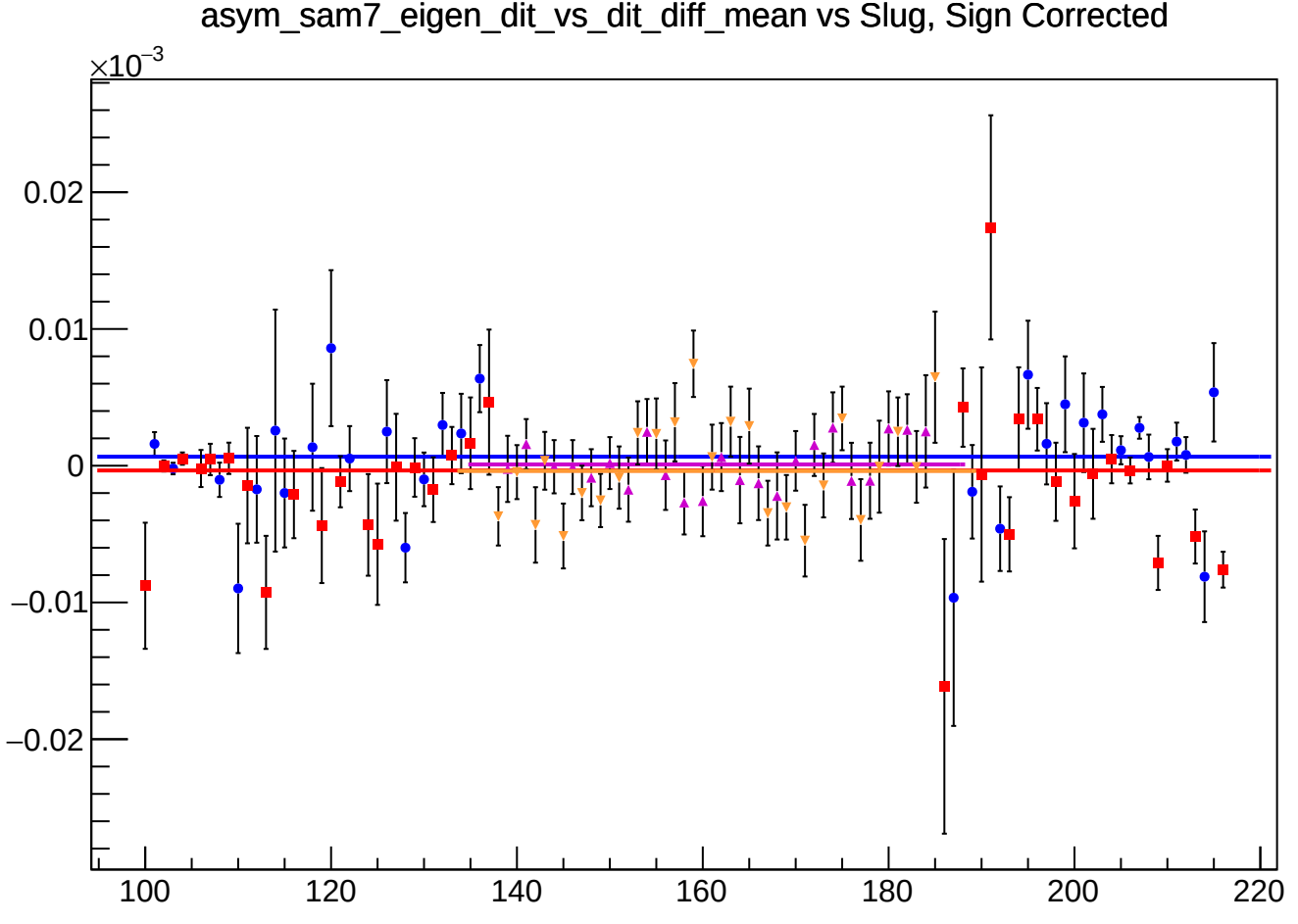
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.009+/-0.003 χ^2/NDF: 7754352.8/65

In: 24.322+/-0.003 χ^2/NDF:6676095.9/53

Out: 24.764+/-0.003 χ^2/NDF:6798561.5/59

All: 24.543+/-0.002 χ^2/NDF: 13485288.5/113



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: 84.7/34

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

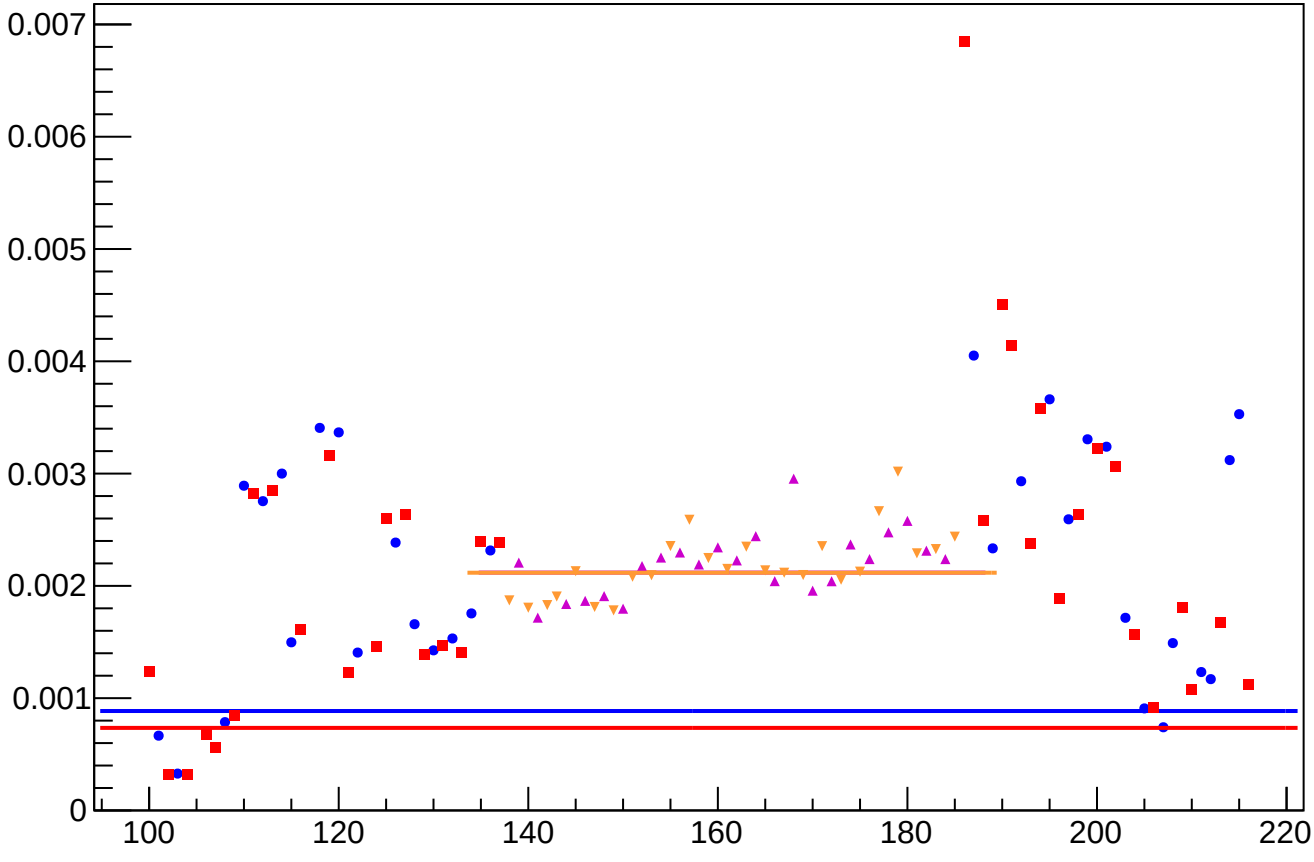
Right: 0.000+/-0.000 χ^2/NDF: 149.4/65

In: 0.000+/-0.000 χ^2/NDF:67.7/53

Out: -0.000+/-0.000 χ^2/NDF:127.9/59

All: 0.000+/-0.000 χ^2/NDF: 203.5/113

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: 17493119.2/34

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

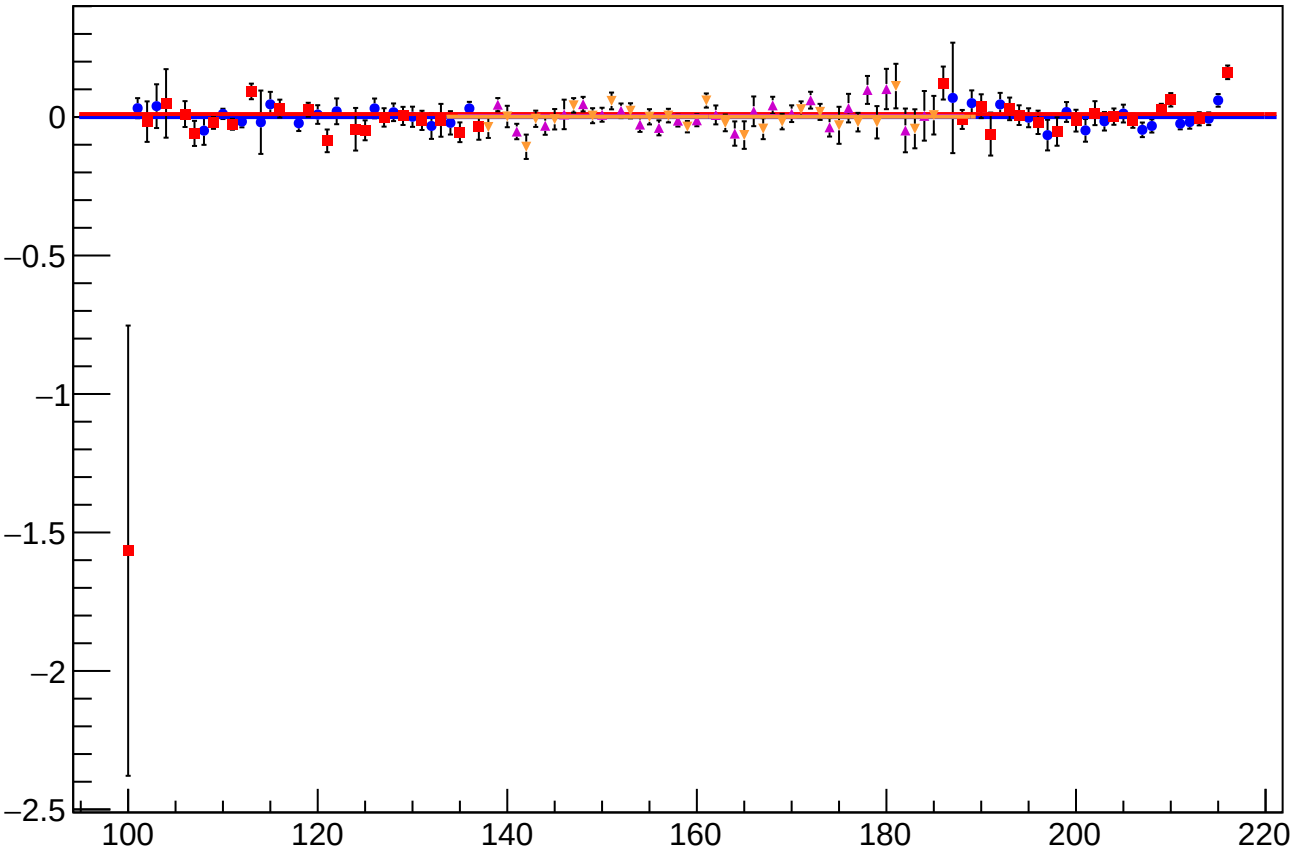
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 33008221.1/65

In: 0.001+/-0.000 χ^2/NDF:25186054.7/53

Out: 0.001+/-0.000 χ^2/NDF:31259234.4/59

All: 0.001+/-0.000 χ^2/NDF: 57038399.0/113



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: 0.011+/-0.006 χ^2/NDF: 86.8/34

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

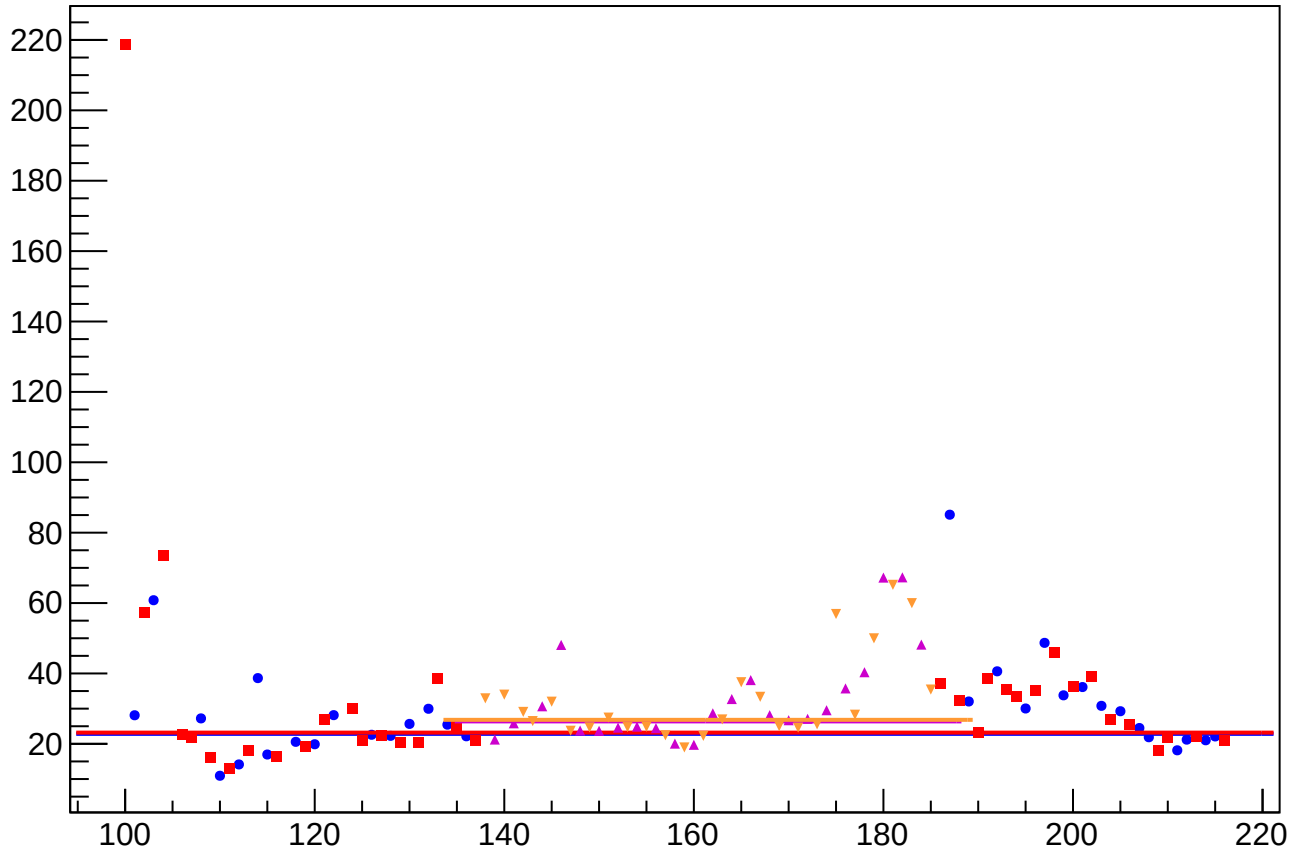
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.005+/-0.004 χ^2/NDF: 116.9/65

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.007+/-0.004 χ^2/NDF:118.4/59

All: 0.004+/-0.003 χ^2/NDF: 178.6/113



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: 23.188+/-0.004 χ^2/NDF: 3974343.6/34

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

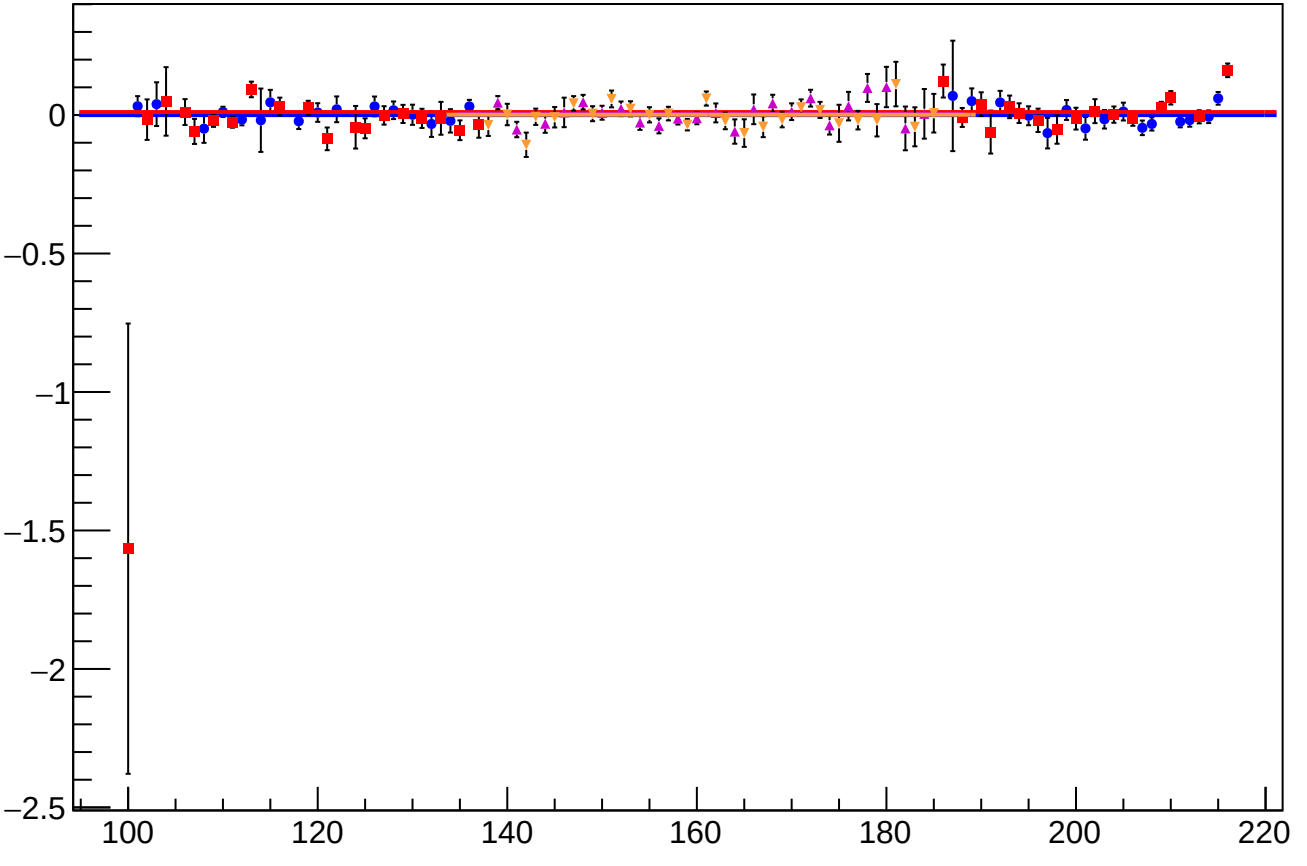
Right: 23.009+/-0.003 χ^2/NDF: 7753867.3/65

In: 24.323+/-0.003 χ^2/NDF:6675811.8/53

Out: 24.764+/-0.003 χ^2/NDF:6798392.6/59

All: 24.543+/-0.002 χ^2/NDF: 13484824.6/113

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.011+/-0.006 χ^2/NDF: 86.8/34

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

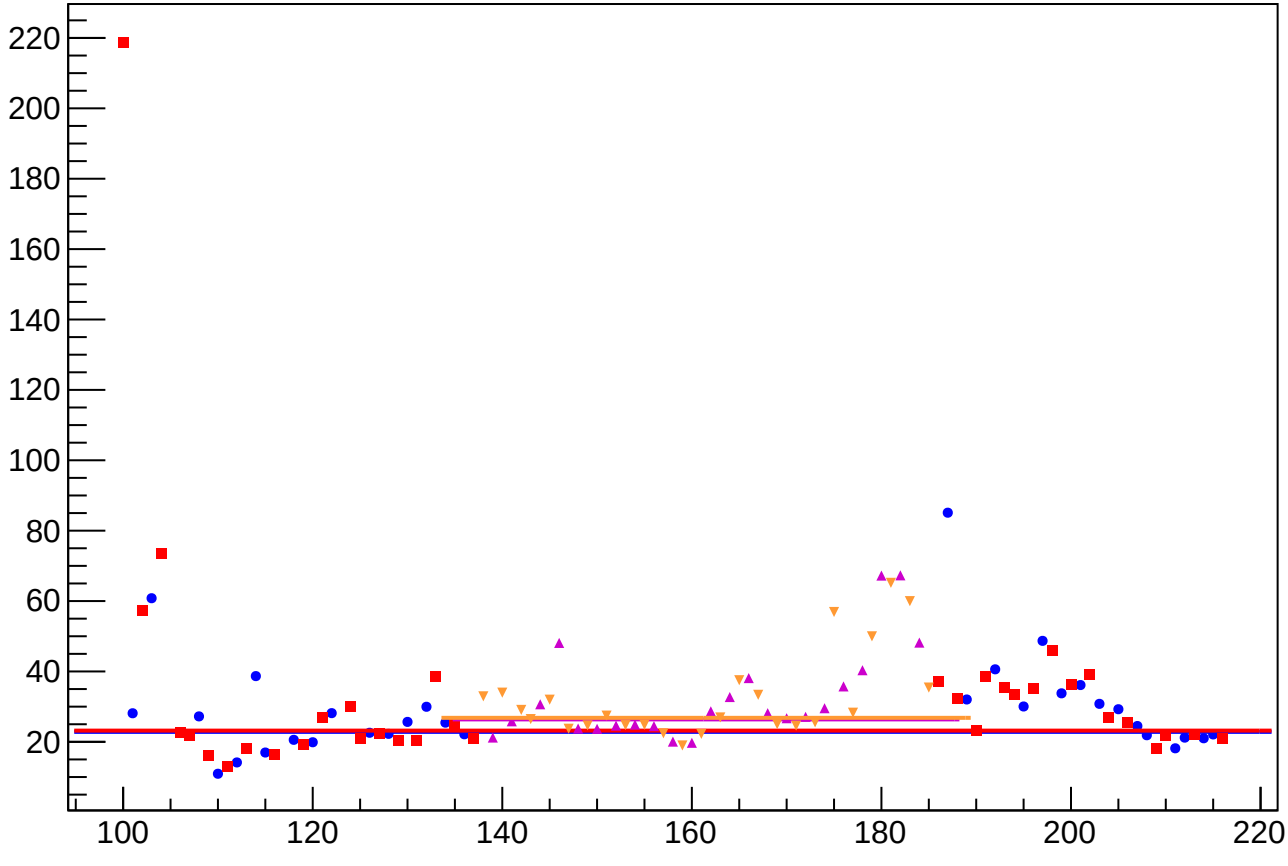
Right: 0.005+/-0.004 χ^2/NDF: 116.9/65

In: 0.001+/-0.004 χ^2/NDF:59.5/53

Out: 0.007+/-0.004 χ^2/NDF:118.4/59

All: 0.004+/-0.003 χ^2/NDF: 178.6/113

asym_sam7_eigen_dit_vs_eigen_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: 23.188+/-0.004 χ^2/NDF: 3974343.6/34

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

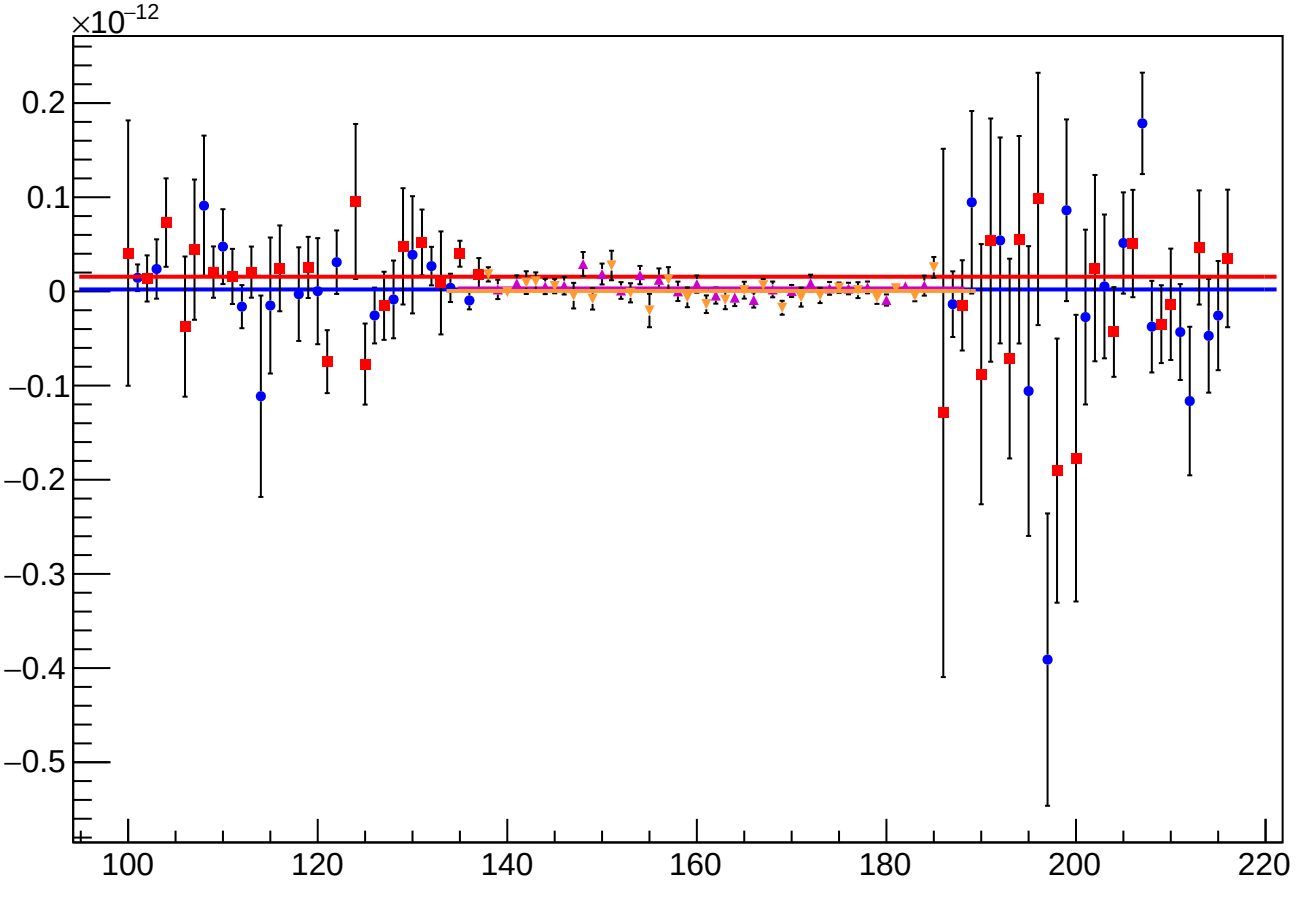
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.009+/-0.003 χ^2/NDF: 7753867.3/65

In: 24.323+/-0.003 χ^2/NDF:6675811.8/53

Out: 24.764+/-0.003 χ^2/NDF:6798392.6/59

All: 24.543+/-0.002 χ^2/NDF: 13484824.6/113



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: 30.8/34

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

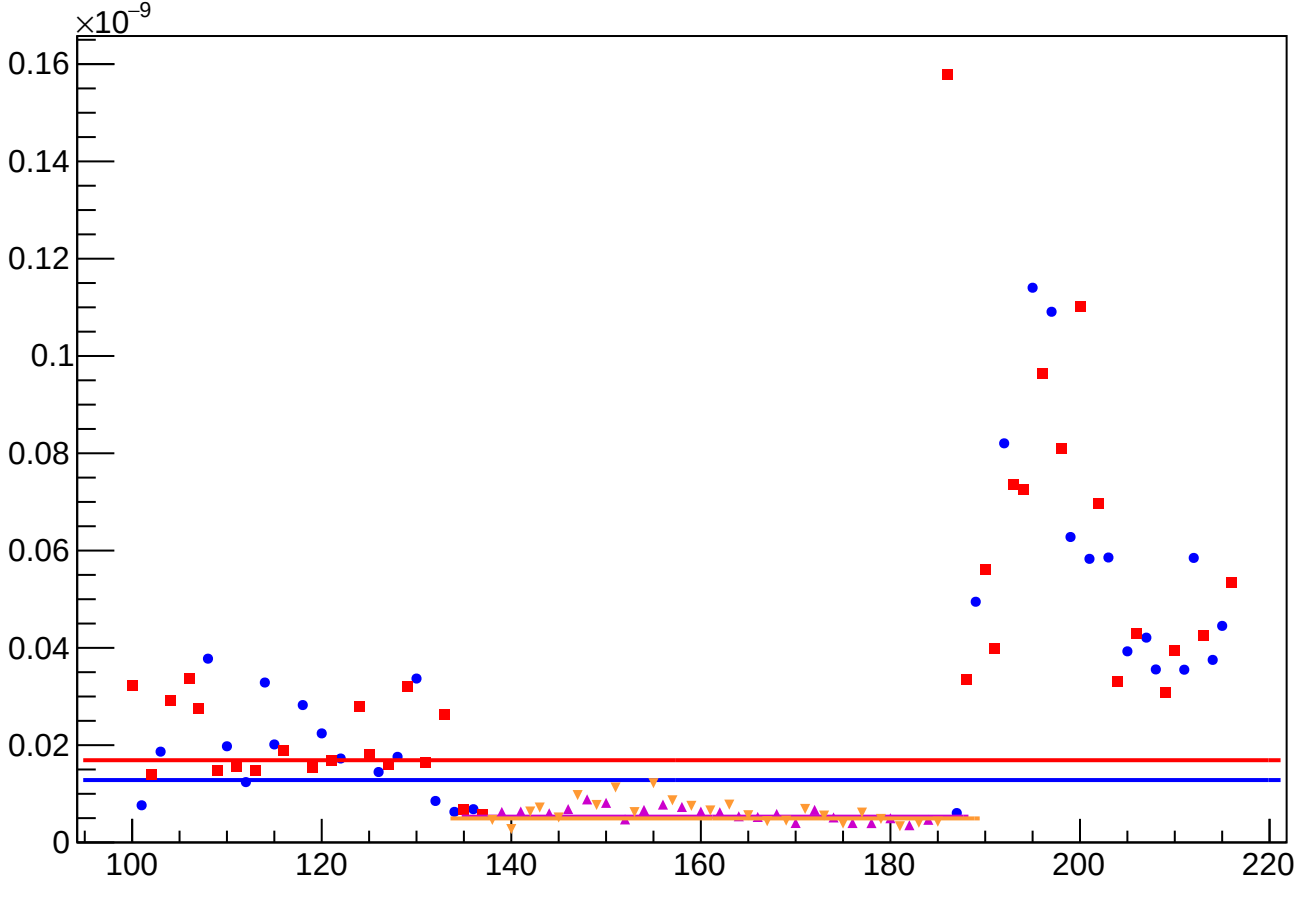
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 69.4/65

In: 0.000+/-0.000 χ^2/NDF:55.2/53

Out: 0.000+/-0.000 χ^2/NDF:68.3/59

All: 0.000+/-0.000 χ^2/NDF: 124.2/113



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: 8993818.0/34

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

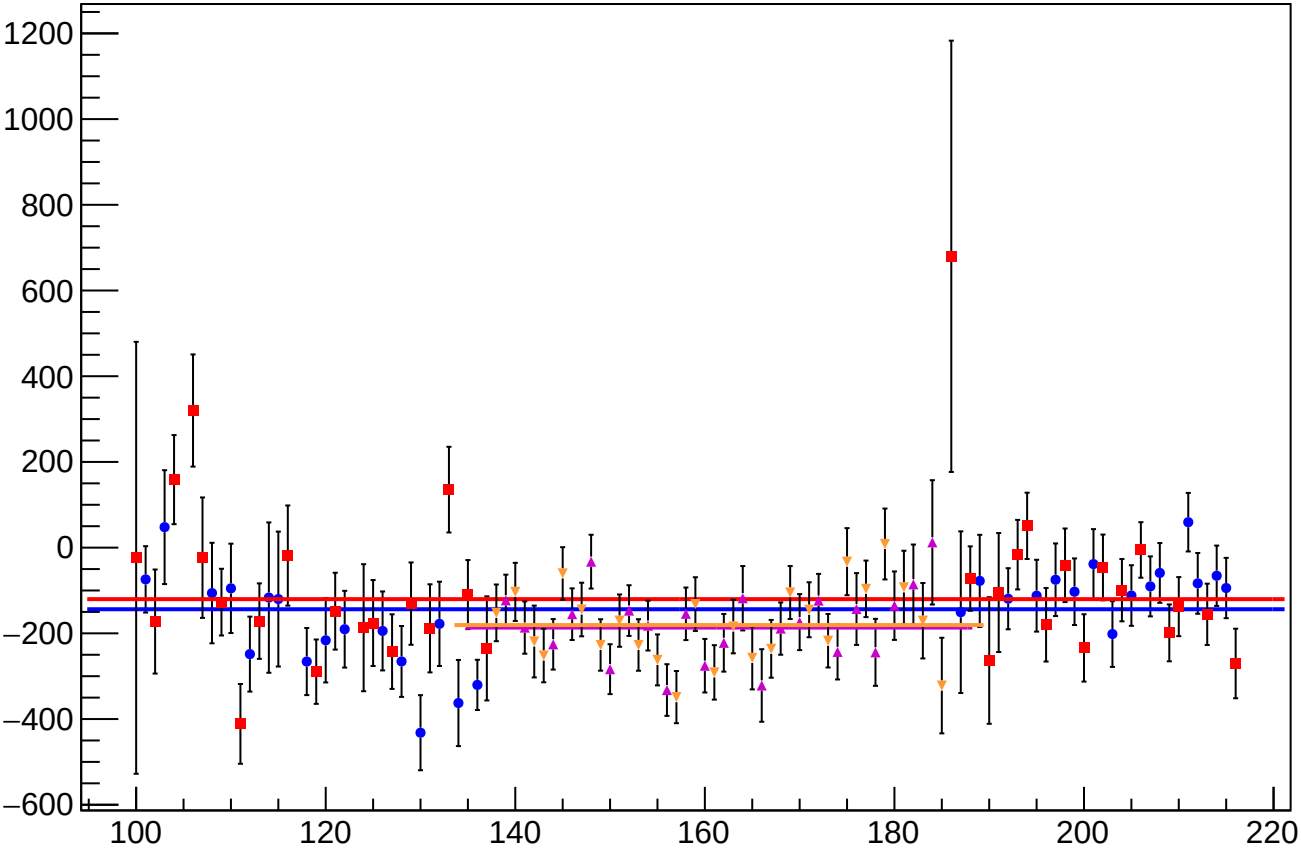
Right: 0.000+/-0.000 χ^2/NDF: 20028754.8/65

In: 0.000+/-0.000 χ^2/NDF:15372358.5/53

Out: 0.000+/-0.000 χ^2/NDF:18010118.2/59

All: 0.000+/-0.000 χ^2/NDF: 33440549.0/113

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: -120.216+/-15.298 χ^2/NDF: 68.8/34

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

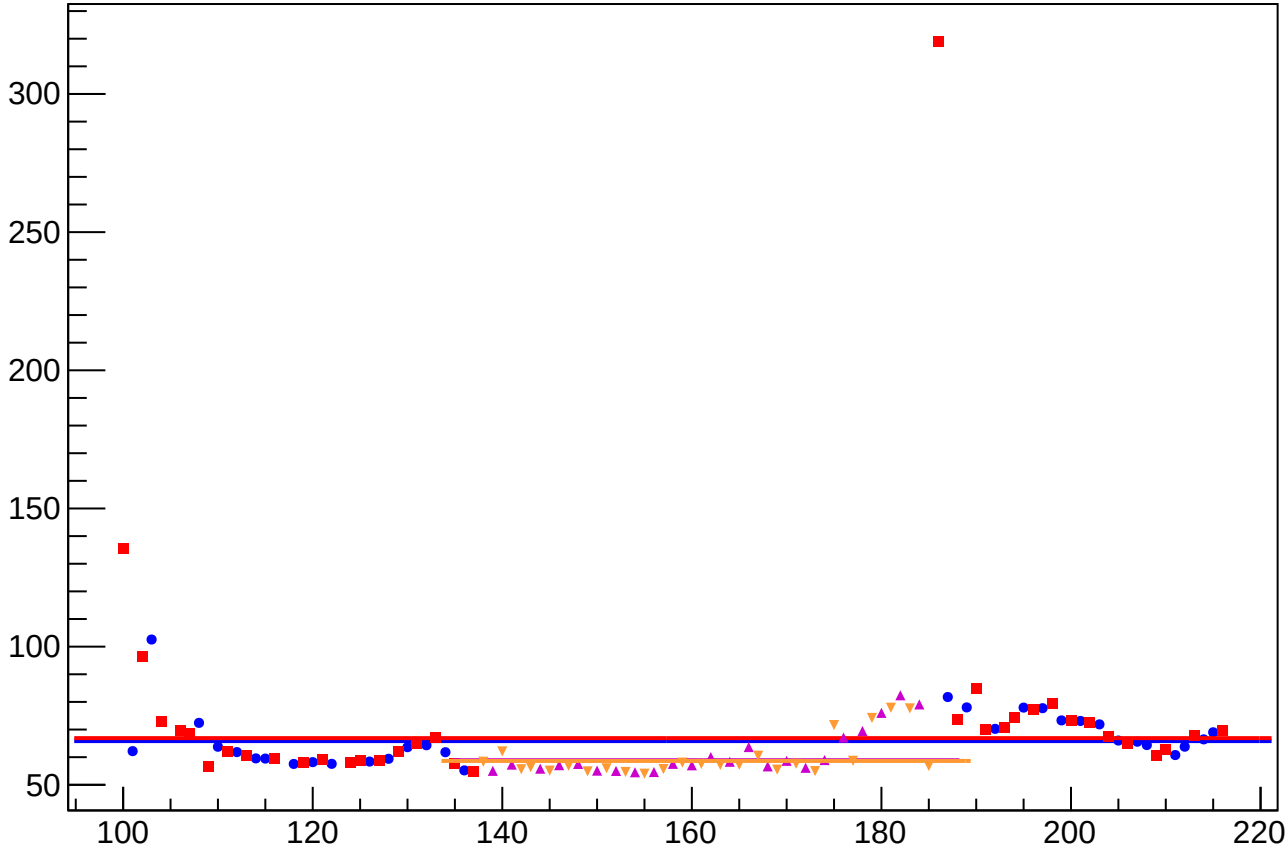
Right: -132.135+/-10.753 χ^2/NDF: 122.5/65

In: -167.022+/-10.216 χ^2/NDF:85.9/53

Out: -154.392+/-10.088 χ^2/NDF:116.2/59

All: -160.627+/-7.178 χ^2/NDF: 202.9/113

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: 66.894+/-0.011 χ^2/NDF: 1049629.3/34

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

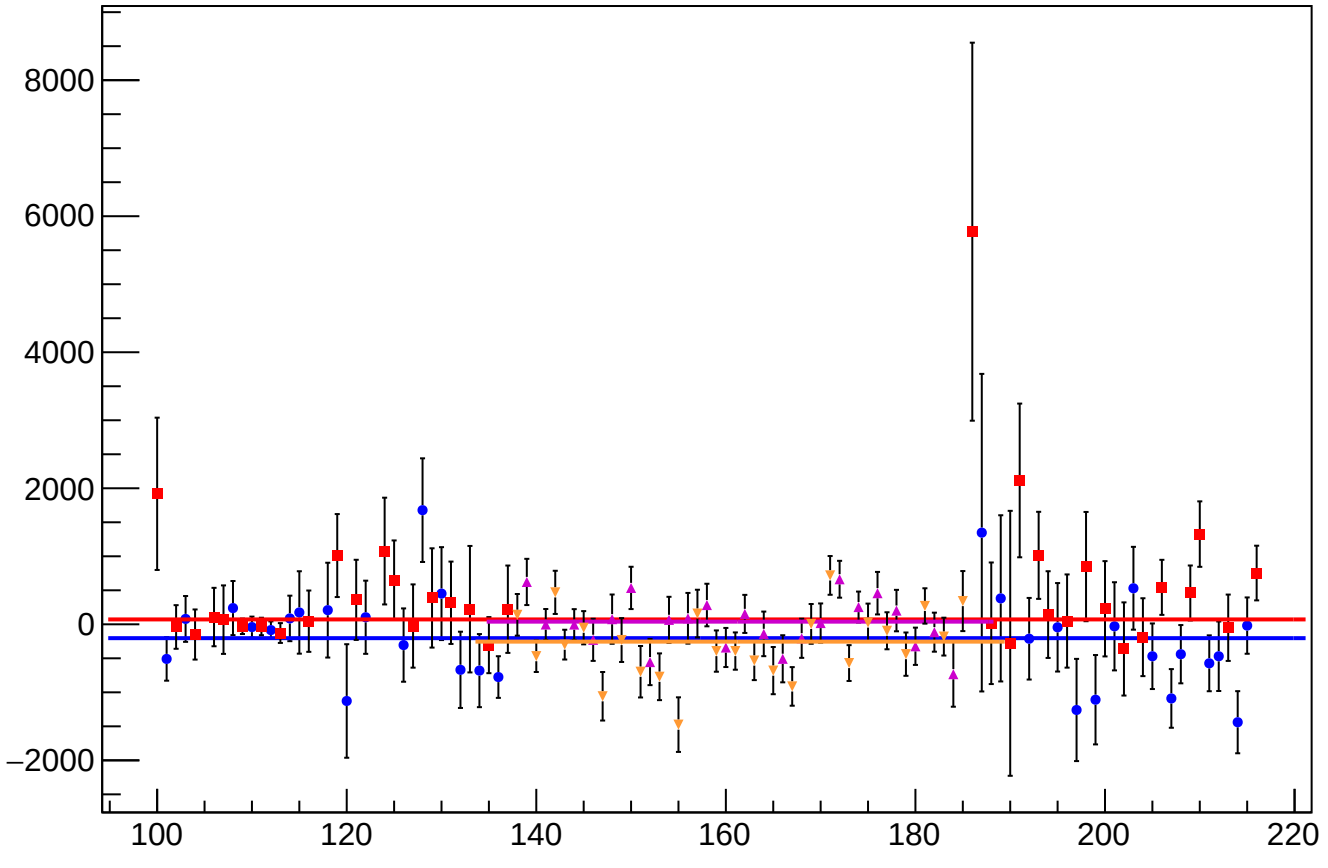
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.351+/-0.008 χ^2/NDF: 1569327.4/65

In: 62.064+/-0.007 χ^2/NDF:1128855.4/53

Out: 62.231+/-0.007 χ^2/NDF:1772238.6/59

All: 62.149+/-0.005 χ^2/NDF: 2901365.2/113



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: 71.888+/-58.739 χ^2/NDF: 36.4/34

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

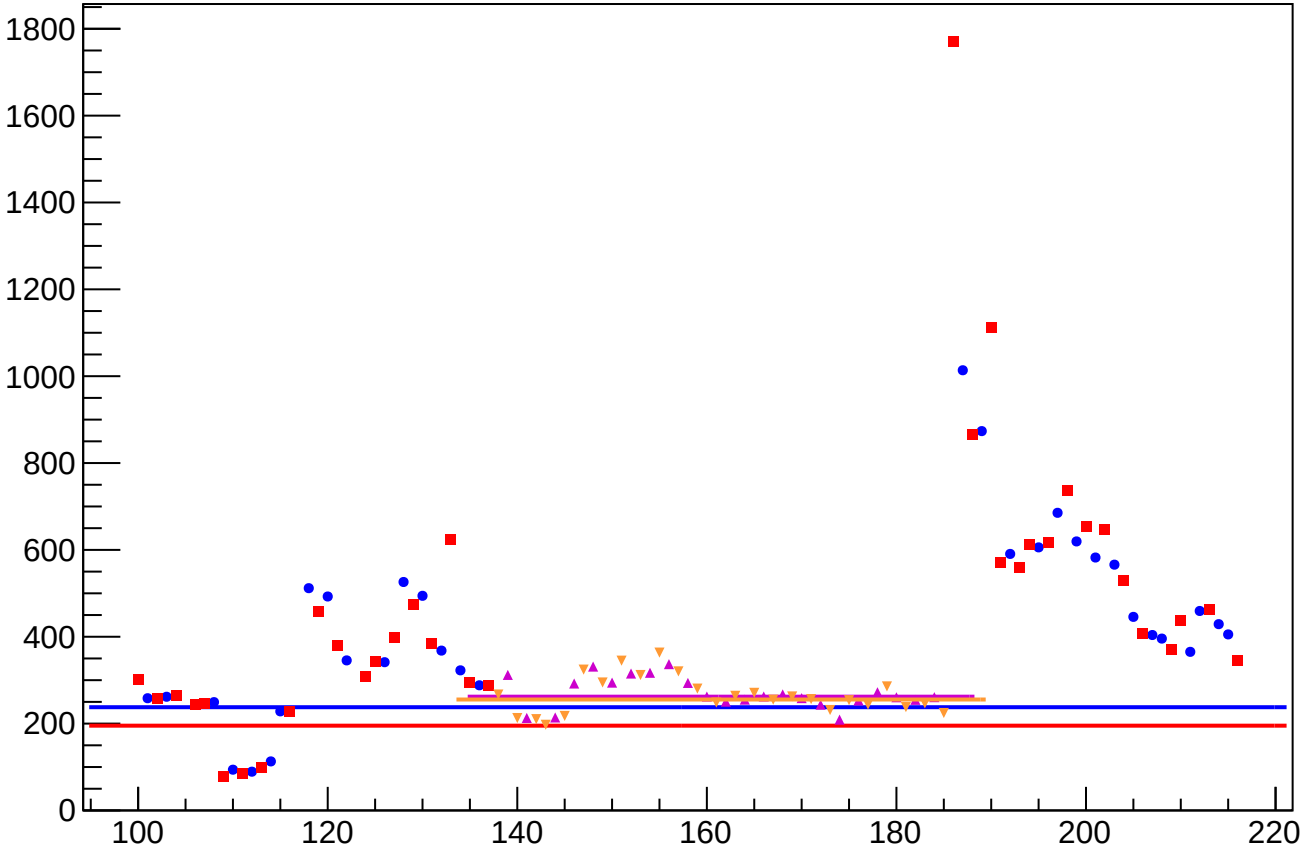
Right: -47.871+/-44.165 χ^2/NDF: 85.4/65

In: -72.639+/-45.456 χ^2/NDF:74.9/53

Out: -90.988+/-41.583 χ^2/NDF:109.5/59

All: -82.628+/-30.682 χ^2/NDF: 184.4/113

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



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: 195.231+/-0.042 χ^2/NDF: 16993639.9/34

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

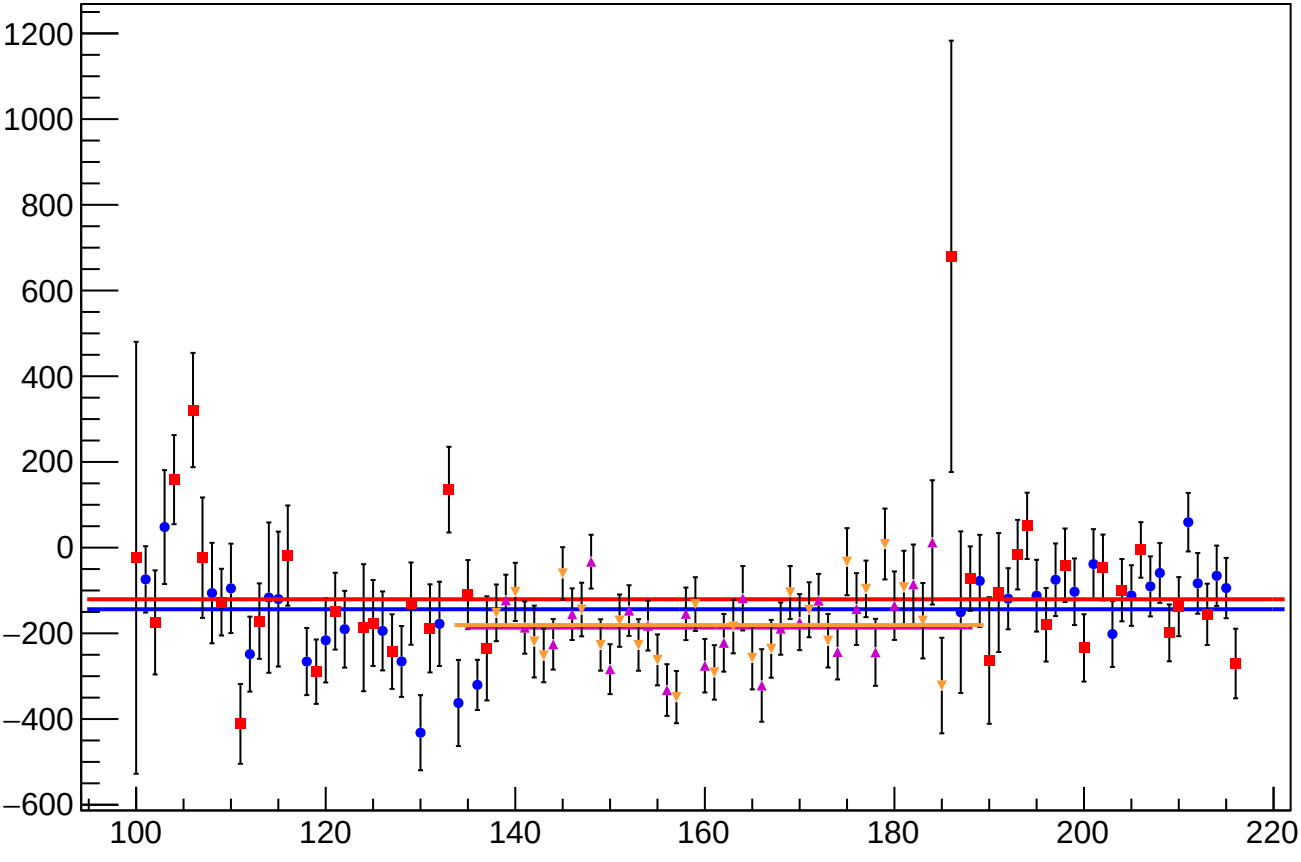
Right: 213.713+/-0.031 χ^2/NDF: 30469609.3/65

In: 250.839+/-0.032 χ^2/NDF:13832498.5/53

Out: 225.280+/-0.029 χ^2/NDF:18906748.0/59

All: 236.924+/-0.022 χ^2/NDF: 33083480.8/11

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: -120.449+/-15.302 χ^2/NDF: 68.5/34

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

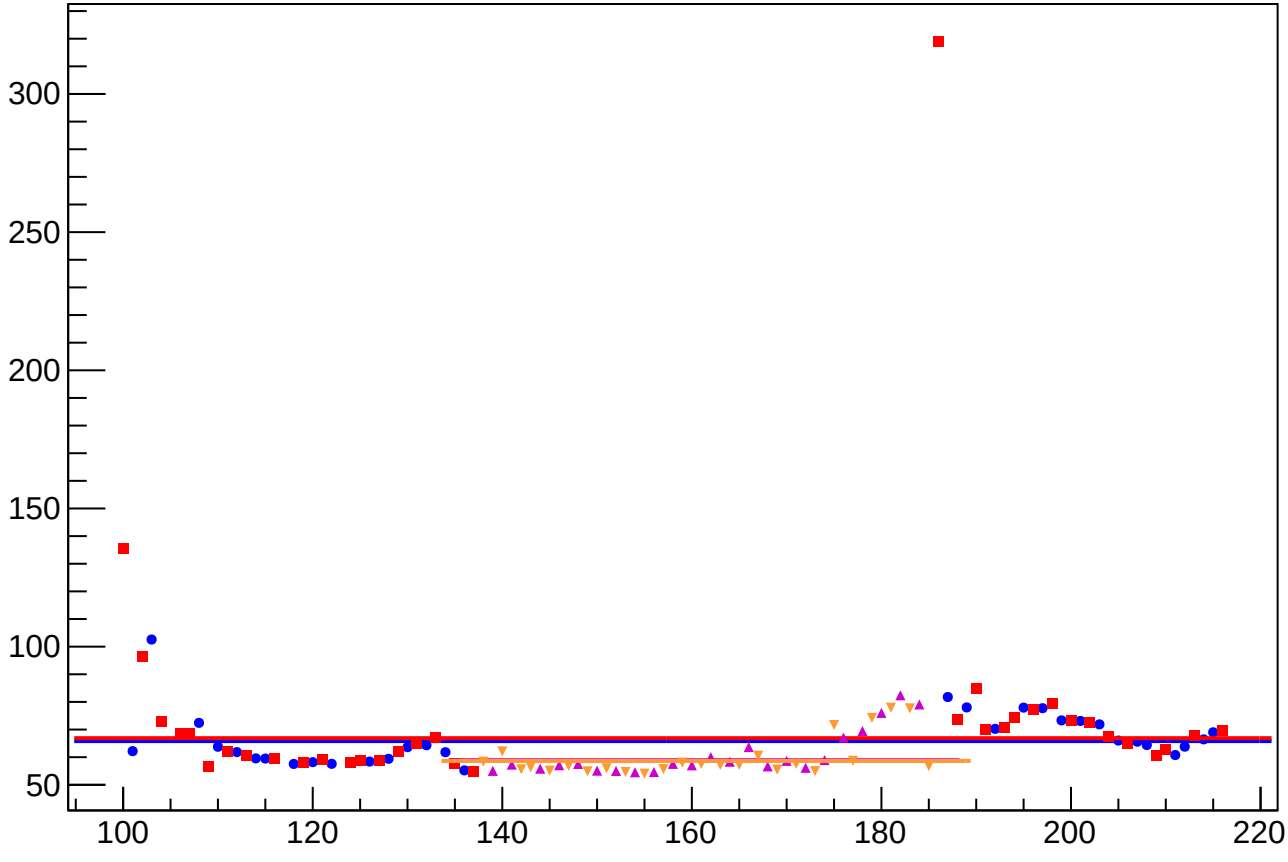
Right: -132.253+/-10.754 χ^2/NDF: 122.2/65

In: -167.023+/-10.216 χ^2/NDF:85.9/53

Out: -154.497+/-10.089 χ^2/NDF:115.8/59

All: -160.682+/-7.178 χ^2/NDF: 202.5/113

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: 66.877+/-0.011 χ^2/NDF: 1049224.1/34

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

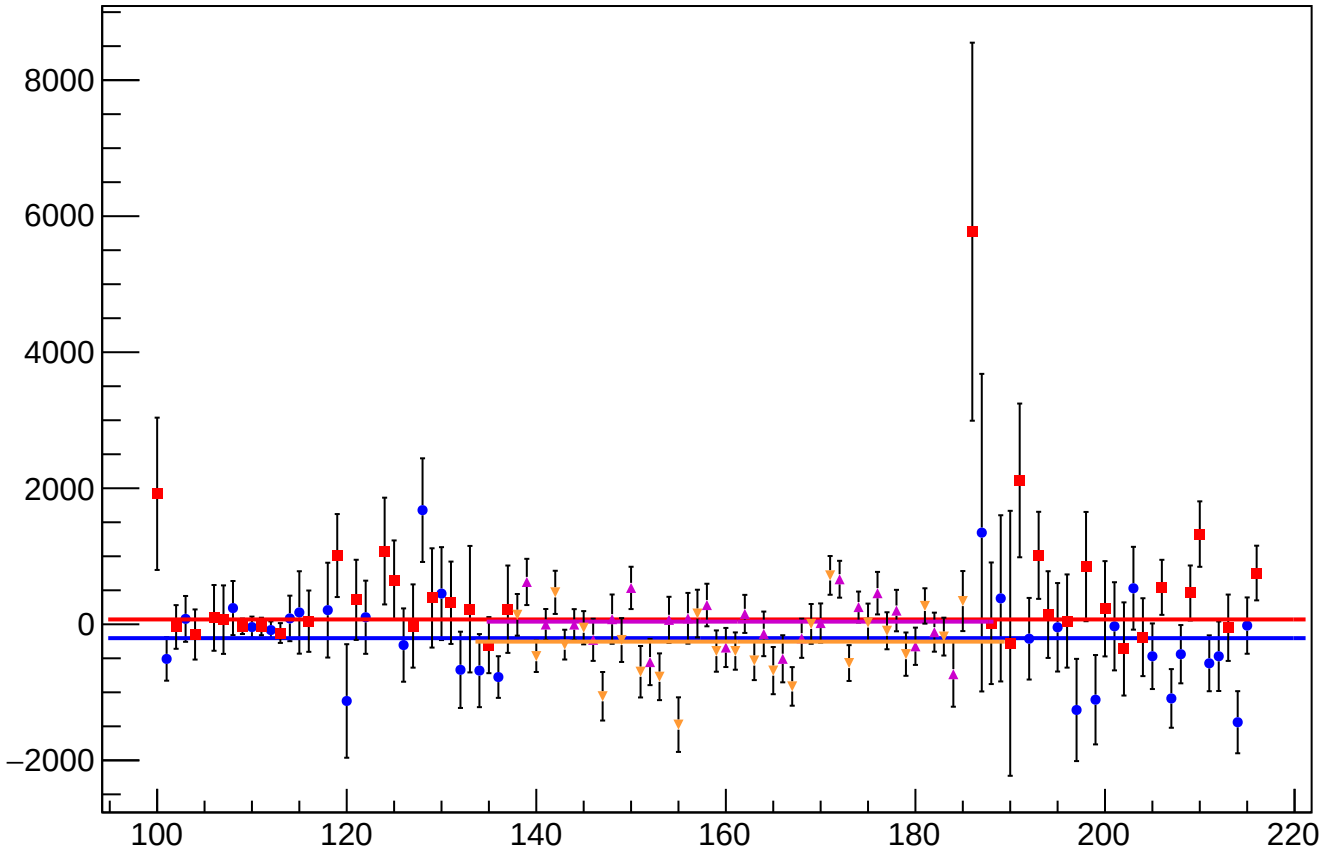
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.342+/-0.008 χ^2/NDF: 1568771.2/65

In: 62.064+/-0.007 χ^2/NDF:1128857.9/53

Out: 62.223+/-0.007 χ^2/NDF:1770426.1/59

All: 62.144+/-0.005 χ^2/NDF: 2899529.3/113



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: 71.587+/-58.857 χ^2/NDF: 36.4/34

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

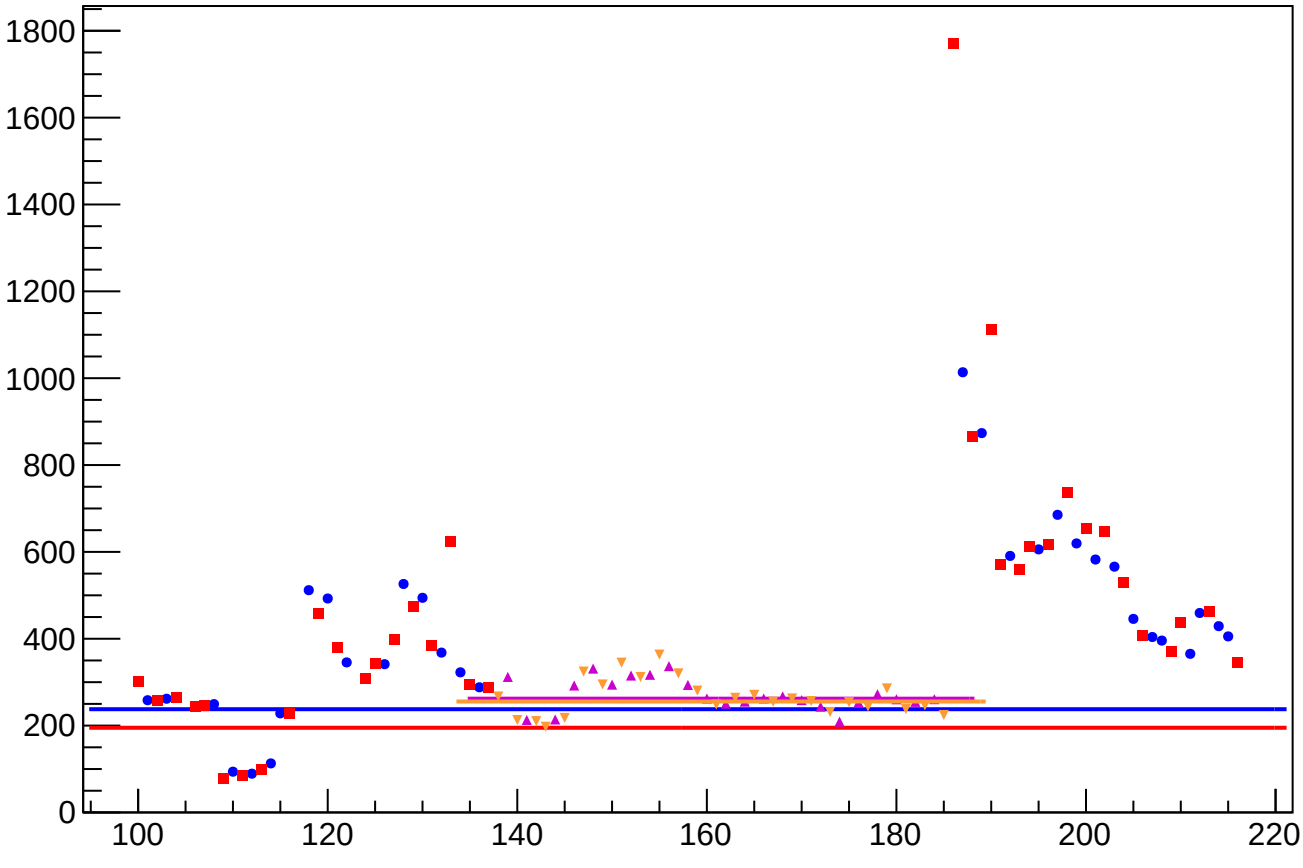
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -48.306+/-44.215 χ^2/NDF: 85.4/65

In: -72.634+/-45.456 χ^2/NDF:74.9/53

Out: -91.465+/-41.625 χ^2/NDF:109.4/59

All: -82.876+/-30.698 χ^2/NDF: 184.4/113



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: 195.042+/-0.042 χ^2/NDF: 16988898.6/34

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

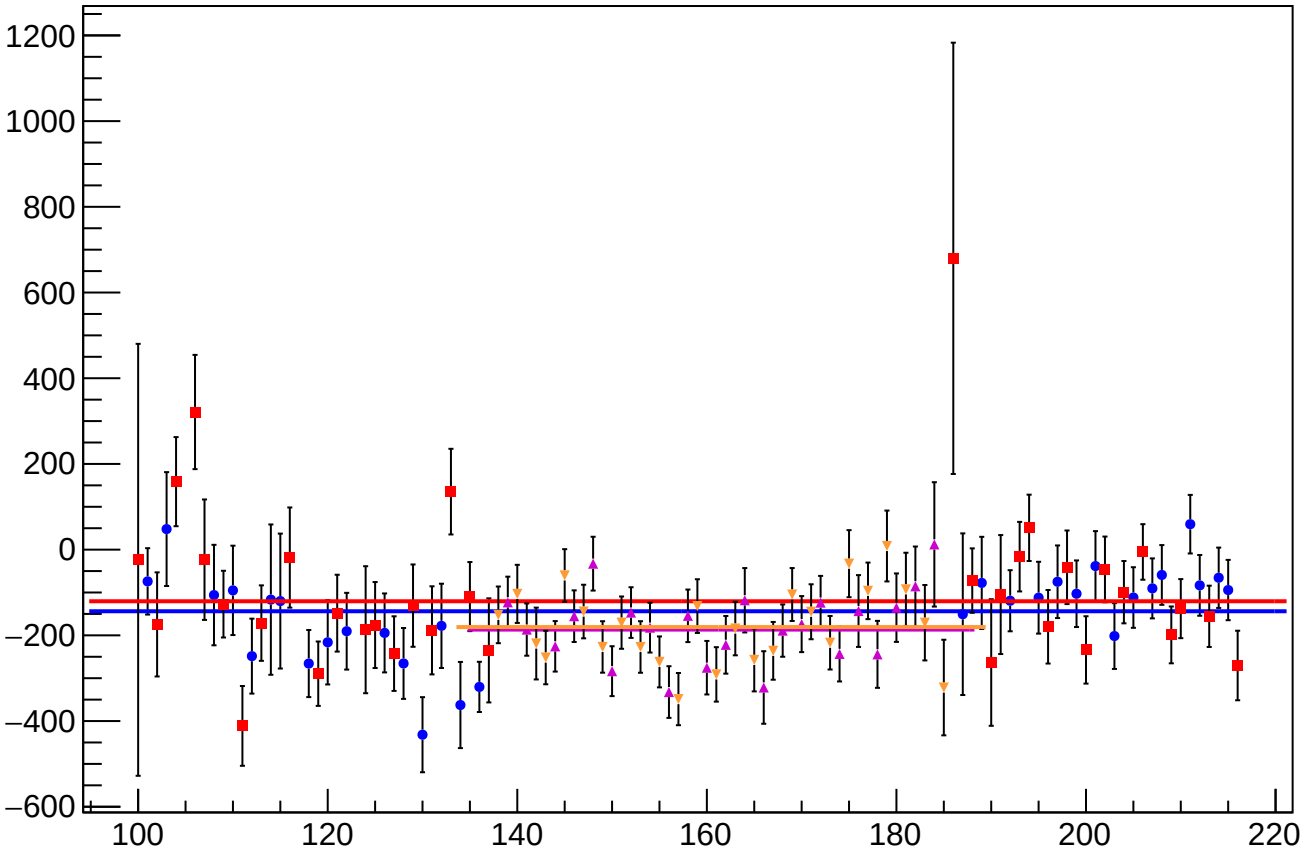
Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

Right: 213.649+/-0.031 χ^2/NDF: 30468155.6/65

In: 250.839+/-0.032 χ^2/NDF:13832511.1/53

Out: 225.246+/-0.029 χ^2/NDF:18906471.3/59

All: 236.919+/-0.022 χ^2/NDF: 33083827.6/11



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: -120.449+/-15.302 χ^2/NDF: 68.5/34

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

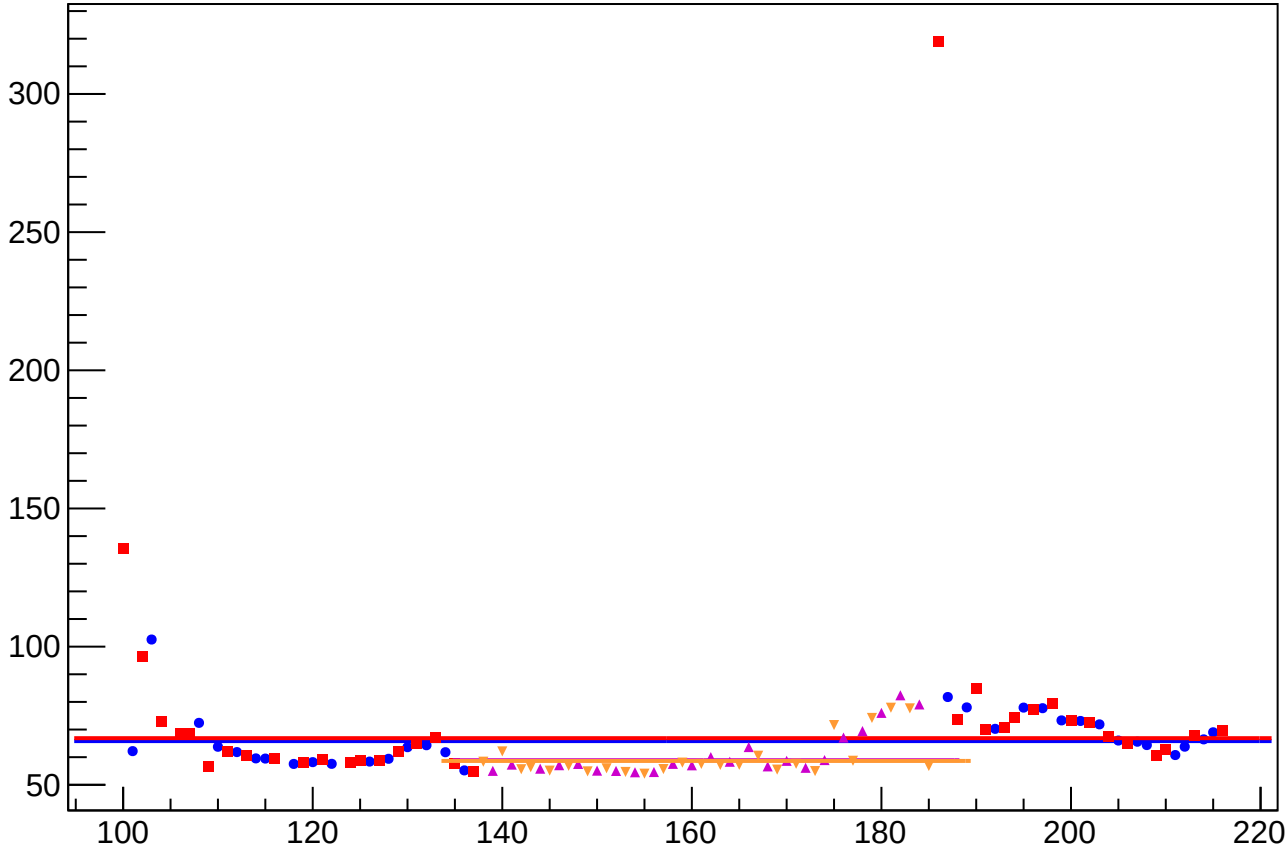
Right: -132.253+/-10.754 χ^2/NDF: 122.2/65

In: -167.023+/-10.216 χ^2/NDF:85.9/53

Out: -154.497+/-10.089 χ^2/NDF:115.8/59

All: -160.682+/-7.178 χ^2/NDF: 202.5/113

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: 66.877+/-0.011 χ^2/NDF: 1049224.1/34

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

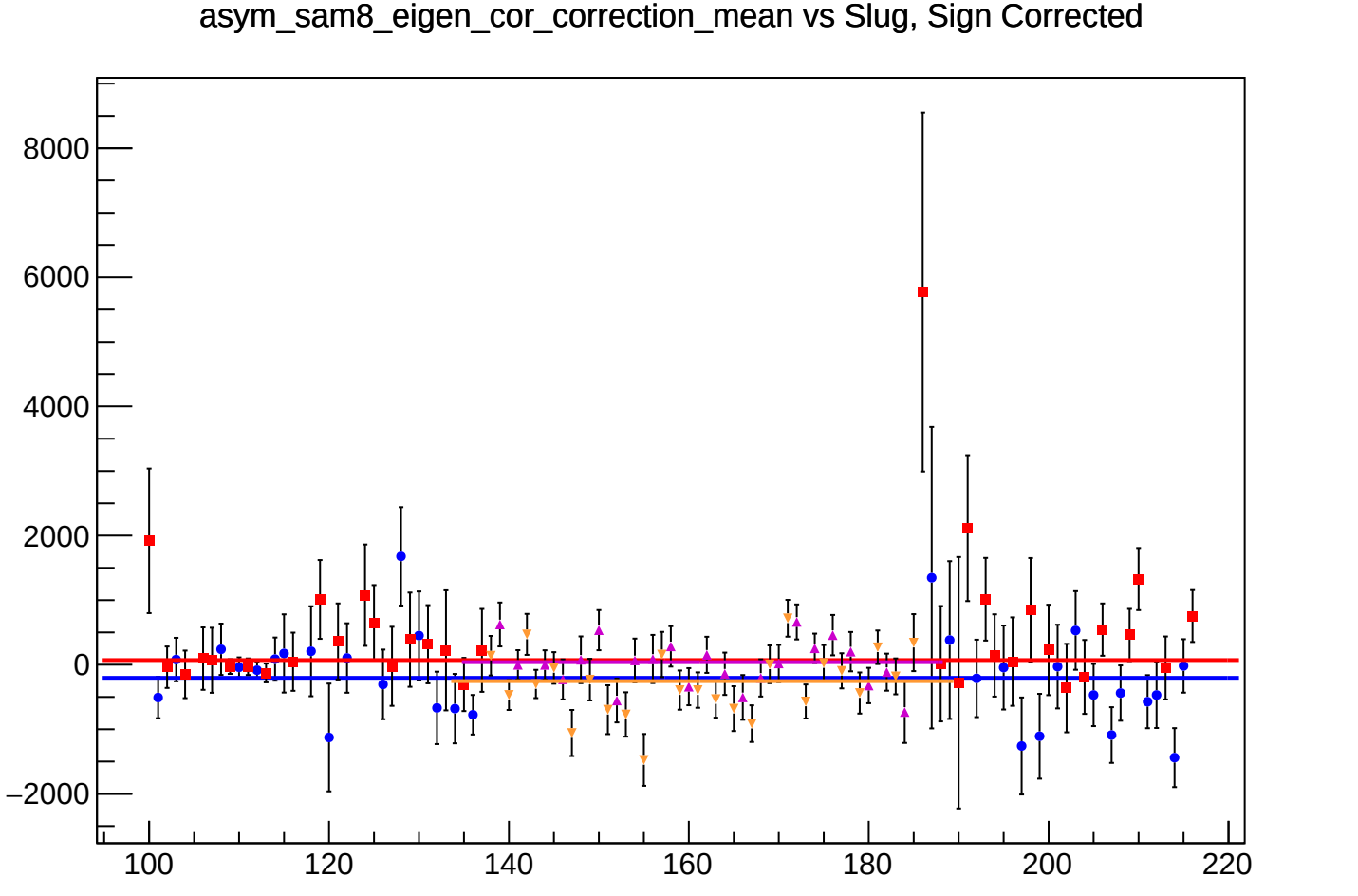
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.342+/-0.008 χ^2/NDF: 1568771.2/65

In: 62.064+/-0.007 χ^2/NDF:1128857.9/53

Out: 62.223+/-0.007 χ^2/NDF:1770426.1/59

All: 62.144+/-0.005 χ^2/NDF: 2899529.3/113



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: 71.587+/-58.857 χ^2/NDF: 36.4/34

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

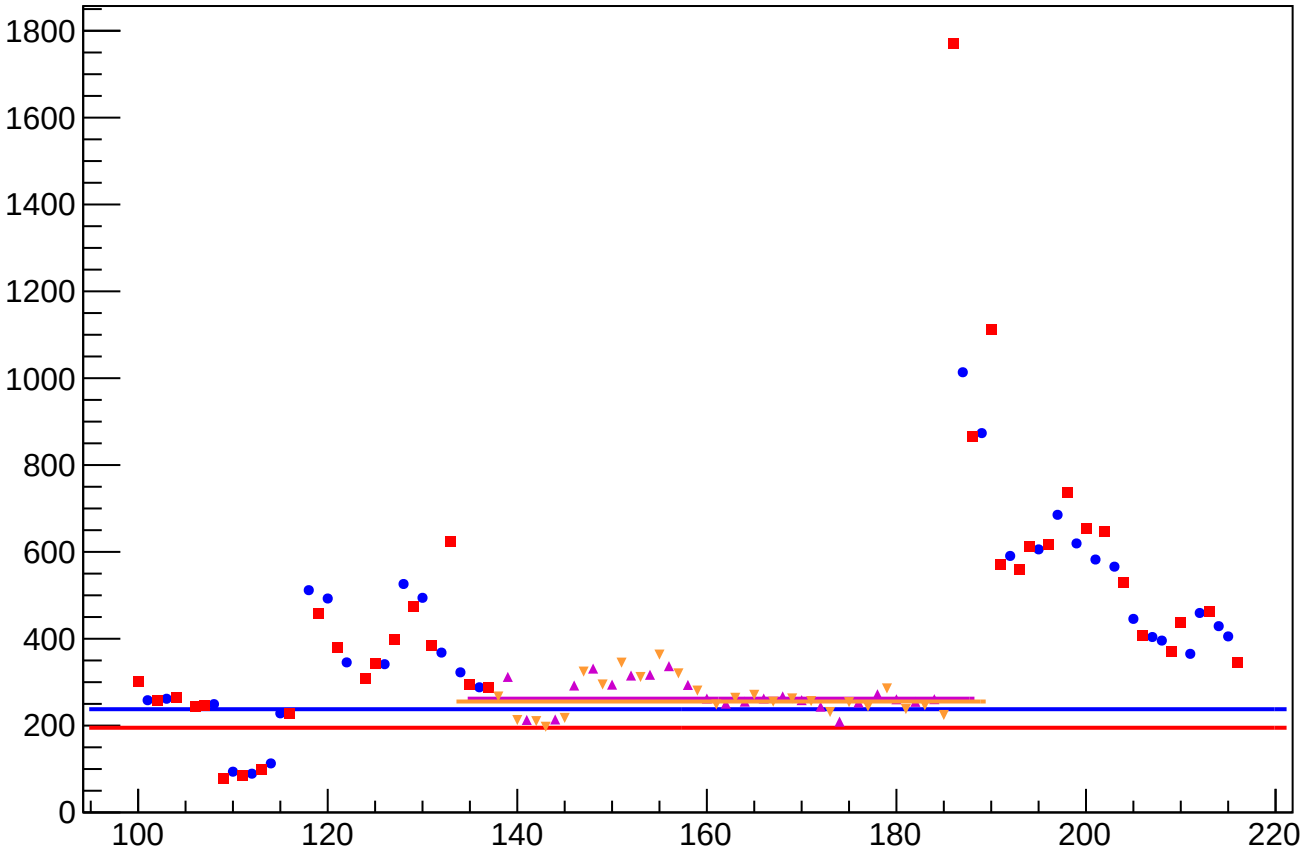
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -48.306+/-44.215 χ^2/NDF: 85.4/65

In: -72.634+/-45.456 χ^2/NDF:74.9/53

Out: -91.465+/-41.625 χ^2/NDF:109.4/59

All: -82.876+/-30.698 χ^2/NDF: 184.4/113



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: 195.042+/-0.042 χ^2/NDF: 16988898.6/34

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

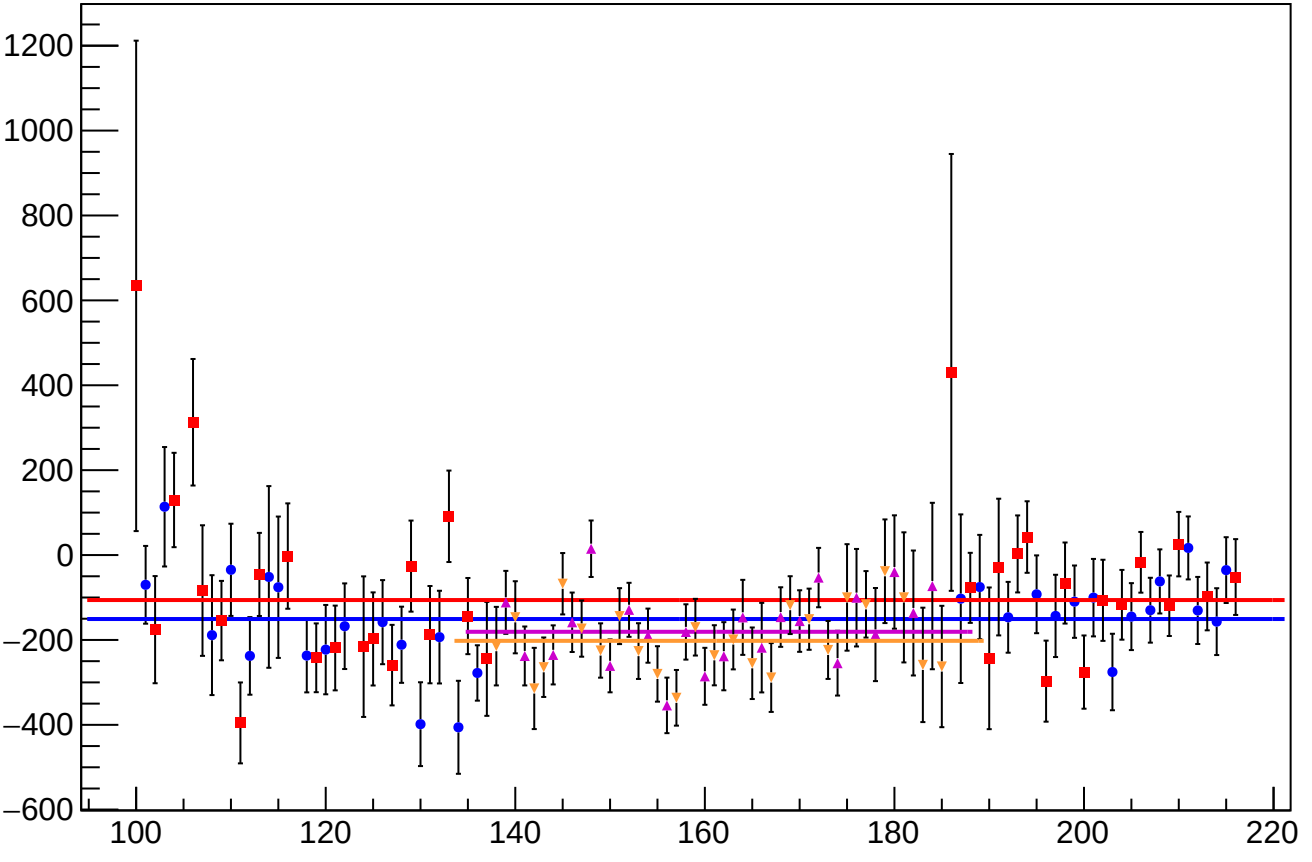
Right: 213.649+/-0.031 χ^2/NDF: 30468155.6/65

In: 250.839+/-0.032 χ^2/NDF:13832511.1/53

Out: 225.246+/-0.029 χ^2/NDF:18906471.3/59

All: 236.919+/-0.022 χ^2/NDF: 33083827.6/11

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: -105.985+/-16.936 χ^2/NDF: 58.1/34

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

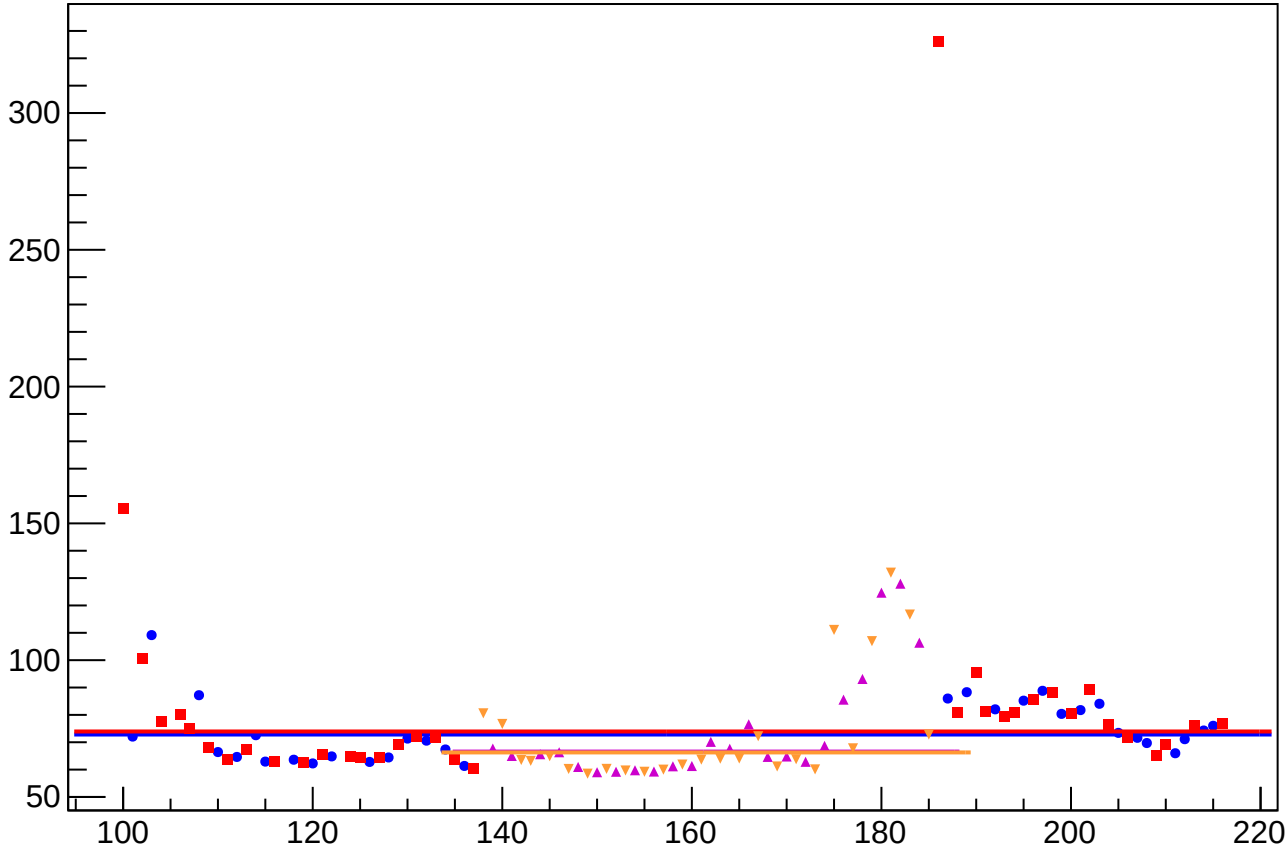
Right: -128.561+/-11.918 χ^2/NDF: 98.2/65

In: -166.437+/-11.585 χ^2/NDF:68.4/53

Out: -158.168+/-11.449 χ^2/NDF:97.1/59

All: -162.254+/-8.143 χ^2/NDF: 165.8/113

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: 73.936+/-0.012 χ^2/NDF: 1070778.1/34

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

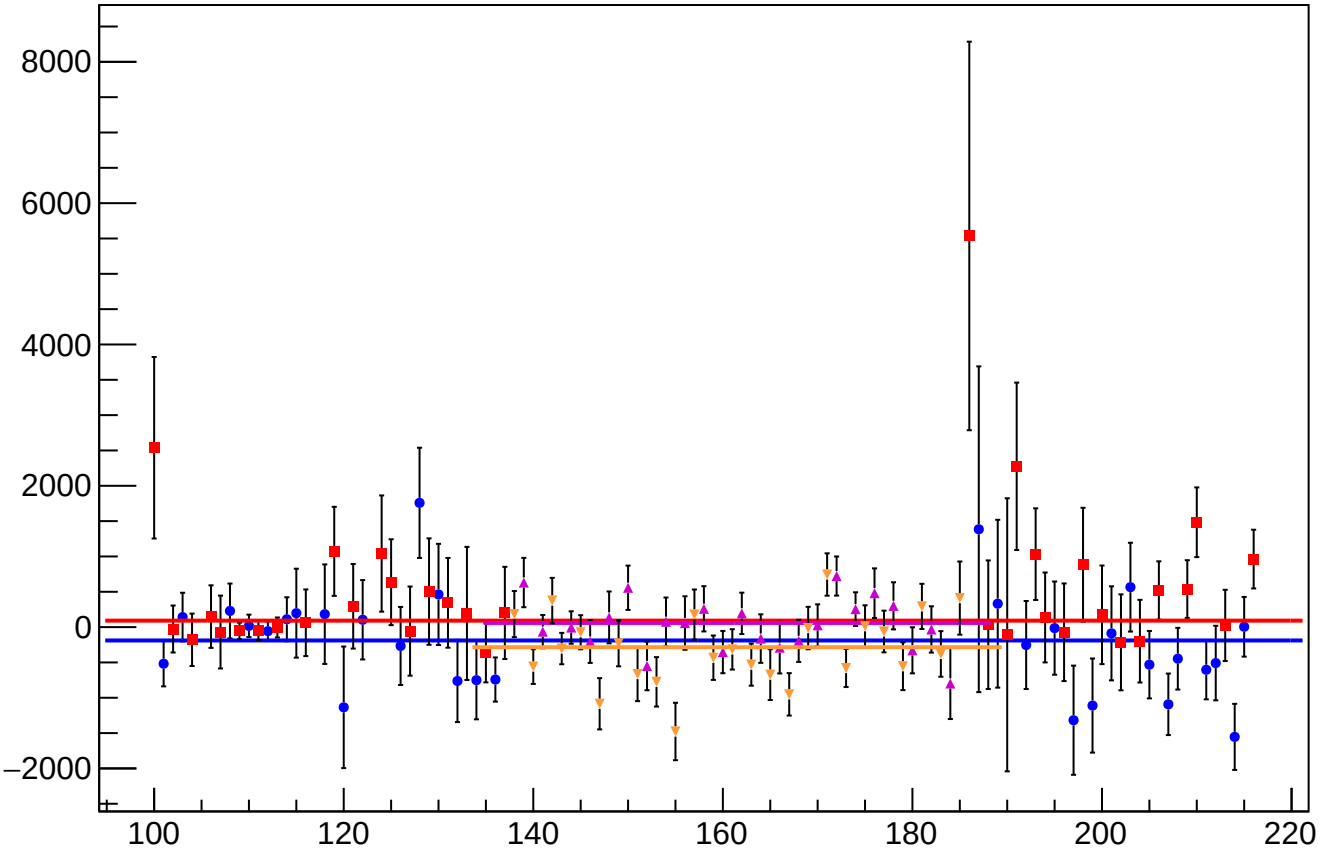
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.374+/-0.008 χ^2/NDF: 1668721.8/65

In: 69.561+/-0.008 χ^2/NDF:1896512.9/53

Out: 69.778+/-0.008 χ^2/NDF:2686627.3/59

All: 69.671+/-0.006 χ^2/NDF: 4583496.3/113



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: 91.705+/-60.429 χ^2/NDF: 39.3/34

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

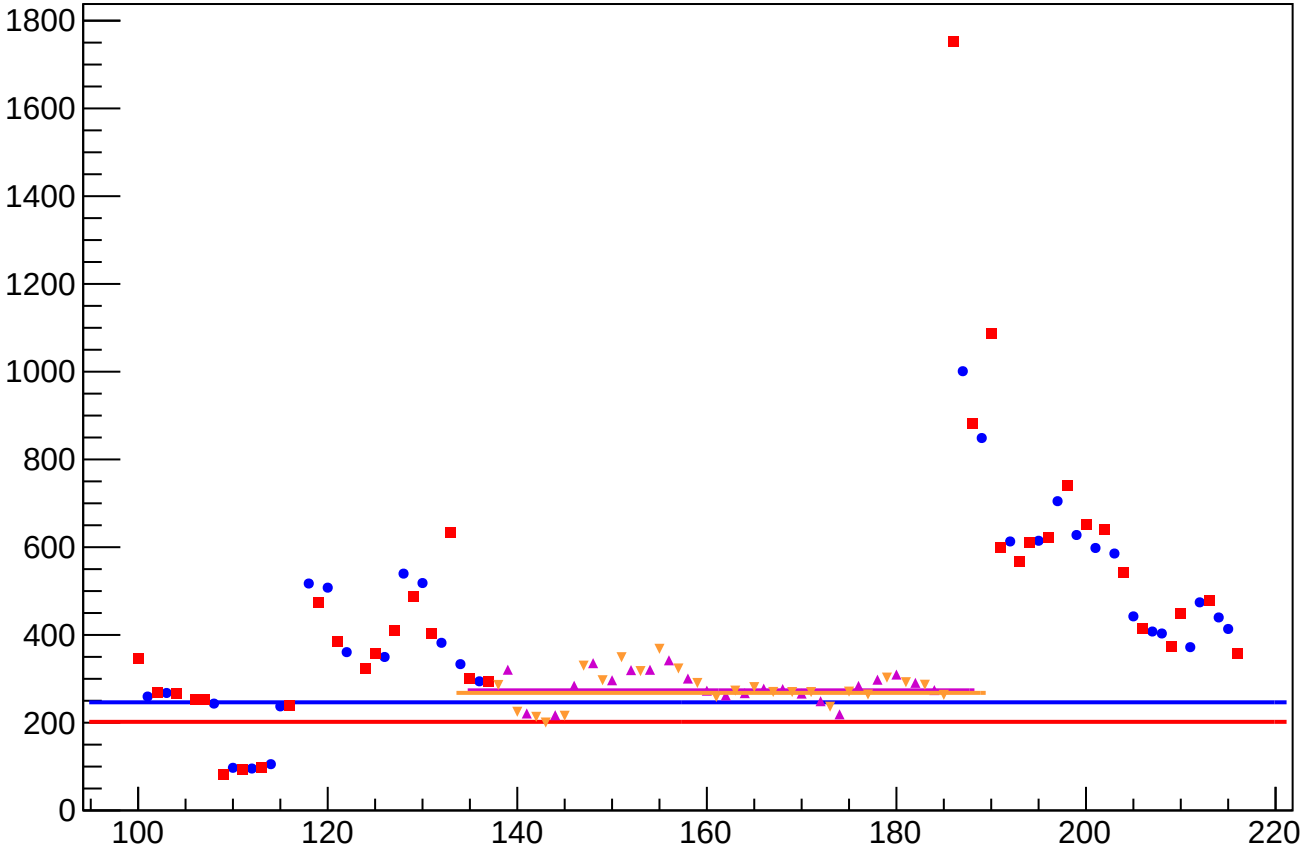
Right: -30.227+/-45.441 χ^2/NDF: 91.2/65

In: -56.895+/-47.151 χ^2/NDF:76.3/53

Out: -92.375+/-43.182 χ^2/NDF:112.9/59

All: -76.191+/-31.845 χ^2/NDF: 189.5/113

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 246.483+/-0.049 χ^2/NDF: 12699639.6/30

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 201.951+/-0.043 χ^2/NDF: 16756377.1/34

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

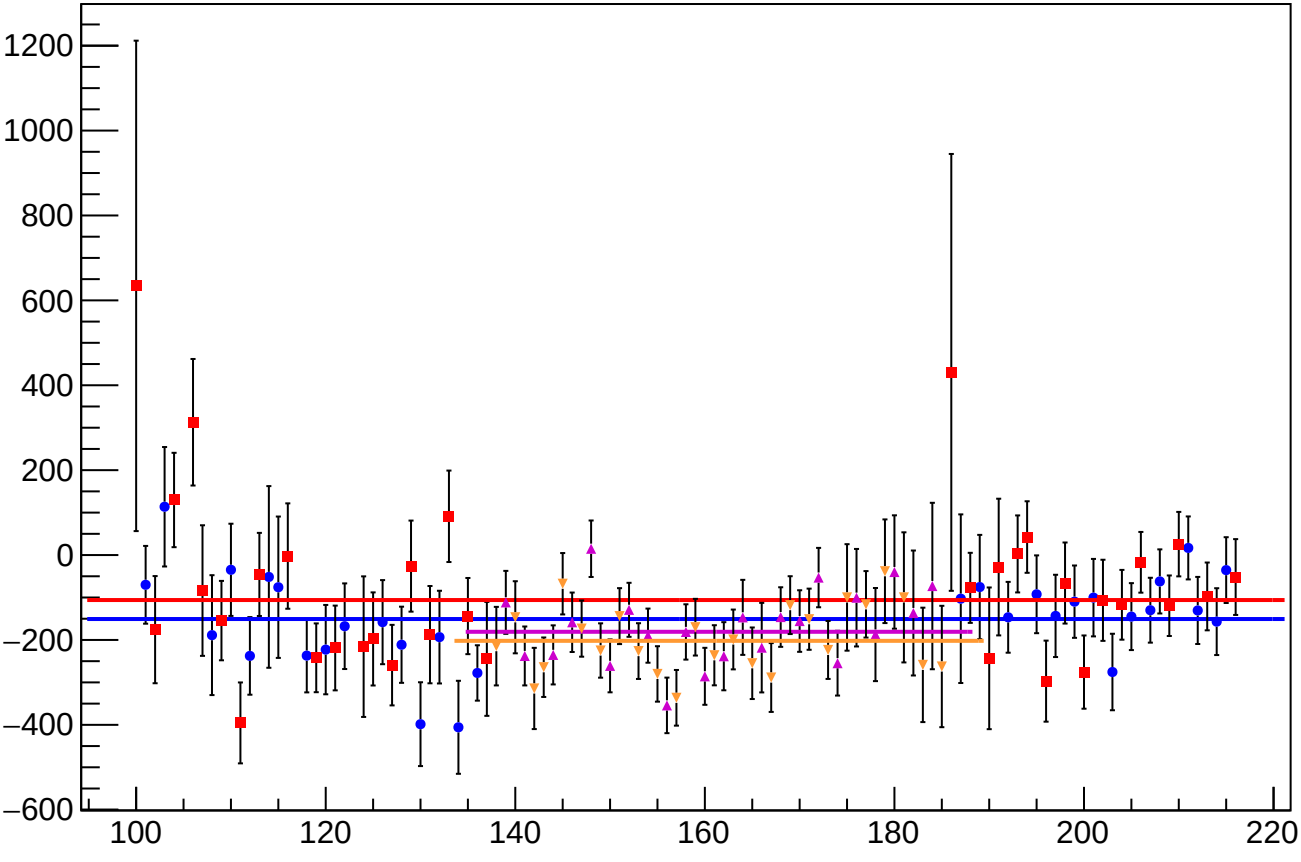
Right: 221.301+/-0.032 χ^2/NDF: 29927974.7/65

In: 260.993+/-0.033 χ^2/NDF:13516466.5/53

Out: 234.266+/-0.031 χ^2/NDF:18787923.4/59

All: 246.458+/-0.023 χ^2/NDF: 32653880.0/11

eigen_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: -105.986+/-16.936 χ^2/NDF: 58.1/34

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

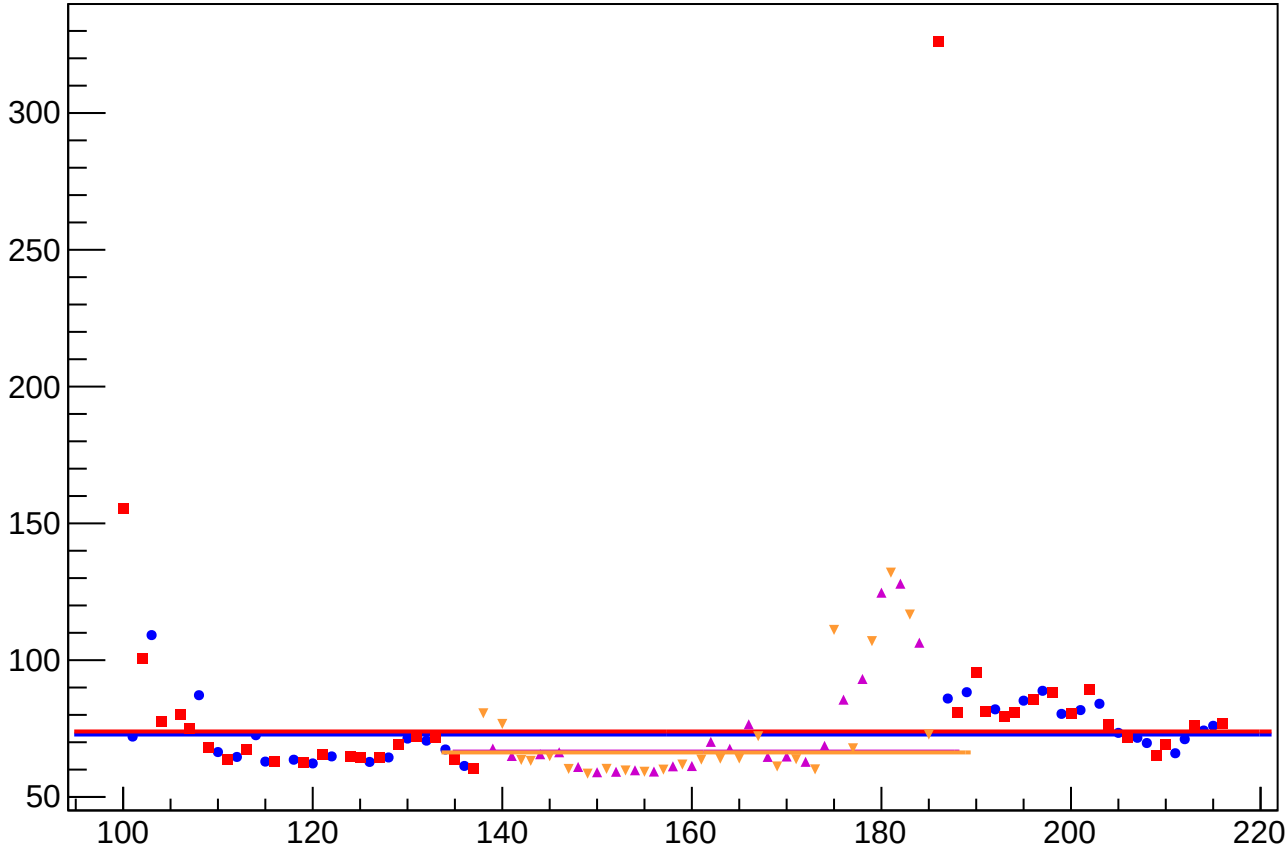
Right: -128.561+/-11.918 χ^2/NDF: 98.2/65

In: -166.437+/-11.585 χ^2/NDF:68.4/53

Out: -158.168+/-11.449 χ^2/NDF:97.1/59

All: -162.254+/-8.143 χ^2/NDF: 165.8/113

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: 73.936+/-0.012 χ^2/NDF: 1070782.6/34

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

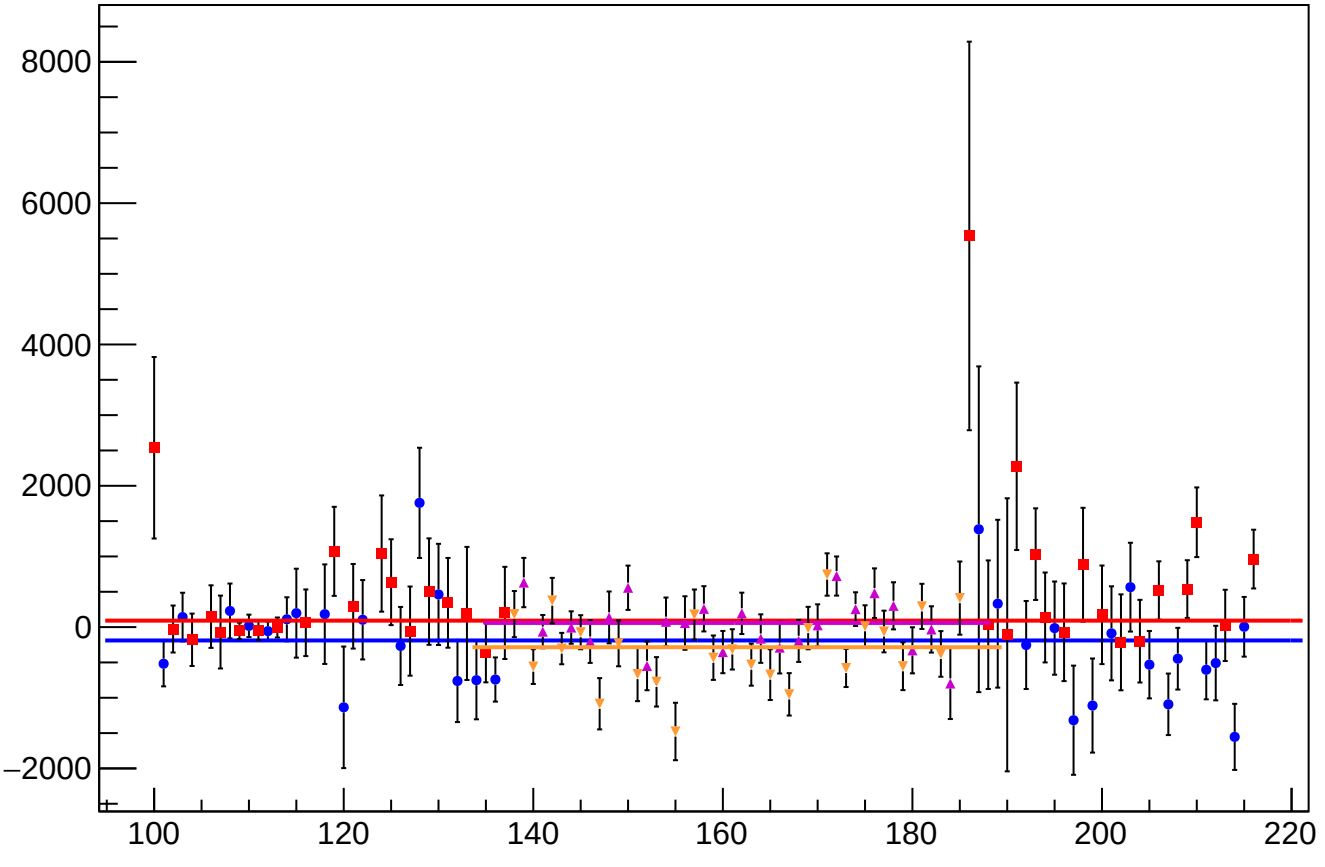
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 73.374+/-0.008 χ^2/NDF: 1668729.7/65

In: 69.561+/-0.008 χ^2/NDF:1896501.7/53

Out: 69.778+/-0.008 χ^2/NDF:2686623.1/59

All: 69.671+/-0.006 χ^2/NDF: 4583480.9/113



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: 91.704+/-60.429 χ^2/NDF: 39.3/34

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

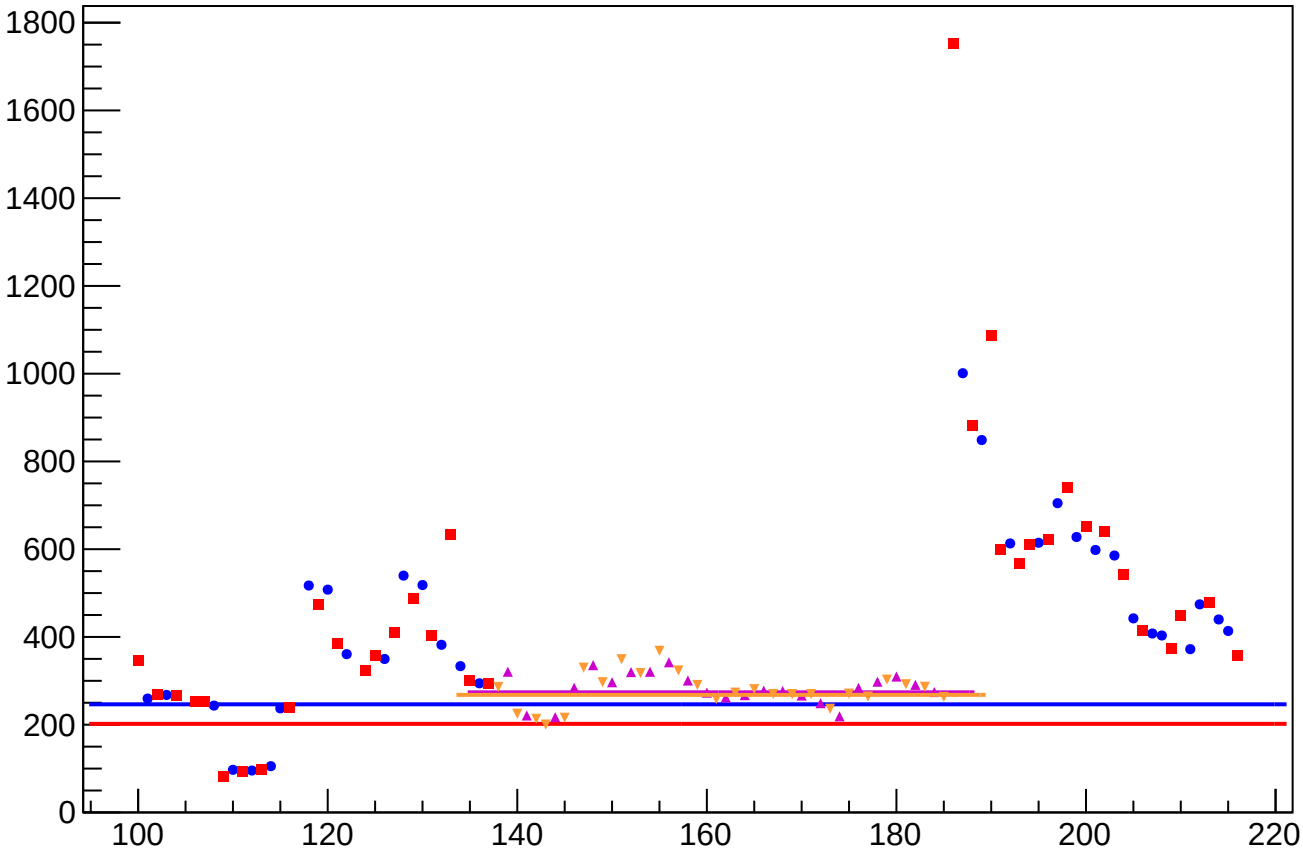
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -30.227+/-45.441 χ^2/NDF: 91.2/65

In: -56.894+/-47.151 χ^2/NDF:76.3/53

Out: -92.376+/-43.181 χ^2/NDF:112.9/59

All: -76.191+/-31.845 χ^2/NDF: 189.5/113



Right In: 246.481+/-0.049 χ^2/NDF: 12699725.5/30

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 201.950+/-0.043 χ^2/NDF: 16756368.4/34

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

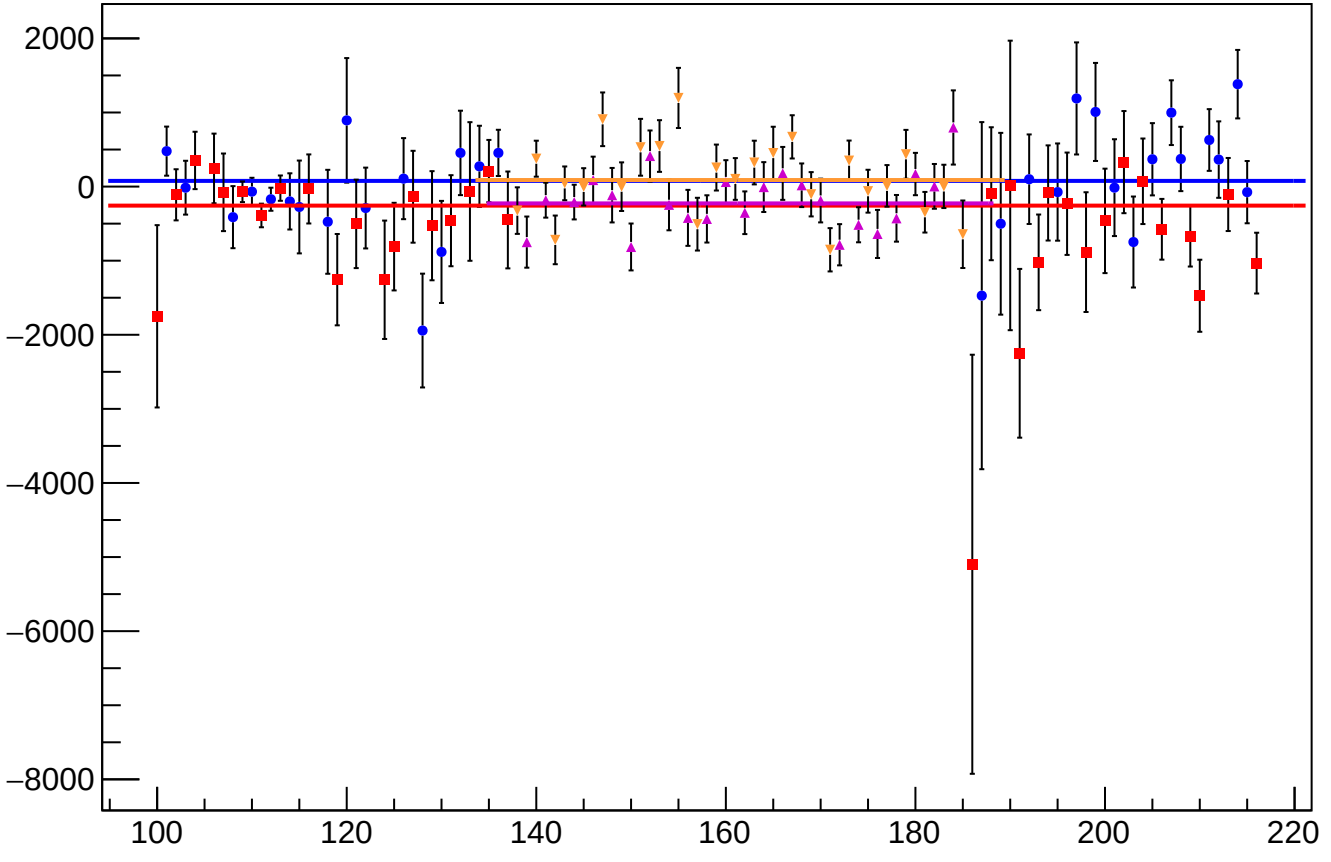
Right: 221.300+/-0.032 χ^2/NDF: 29928028.7/65

In: 260.992+/-0.033 χ^2/NDF:13516569.3/53

Out: 234.266+/-0.031 χ^2/NDF:18787914.8/59

All: 246.457+/-0.023 χ^2/NDF: 32653959.4/11

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: -256.799+/-66.834 χ^2/NDF: 37.7/34

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

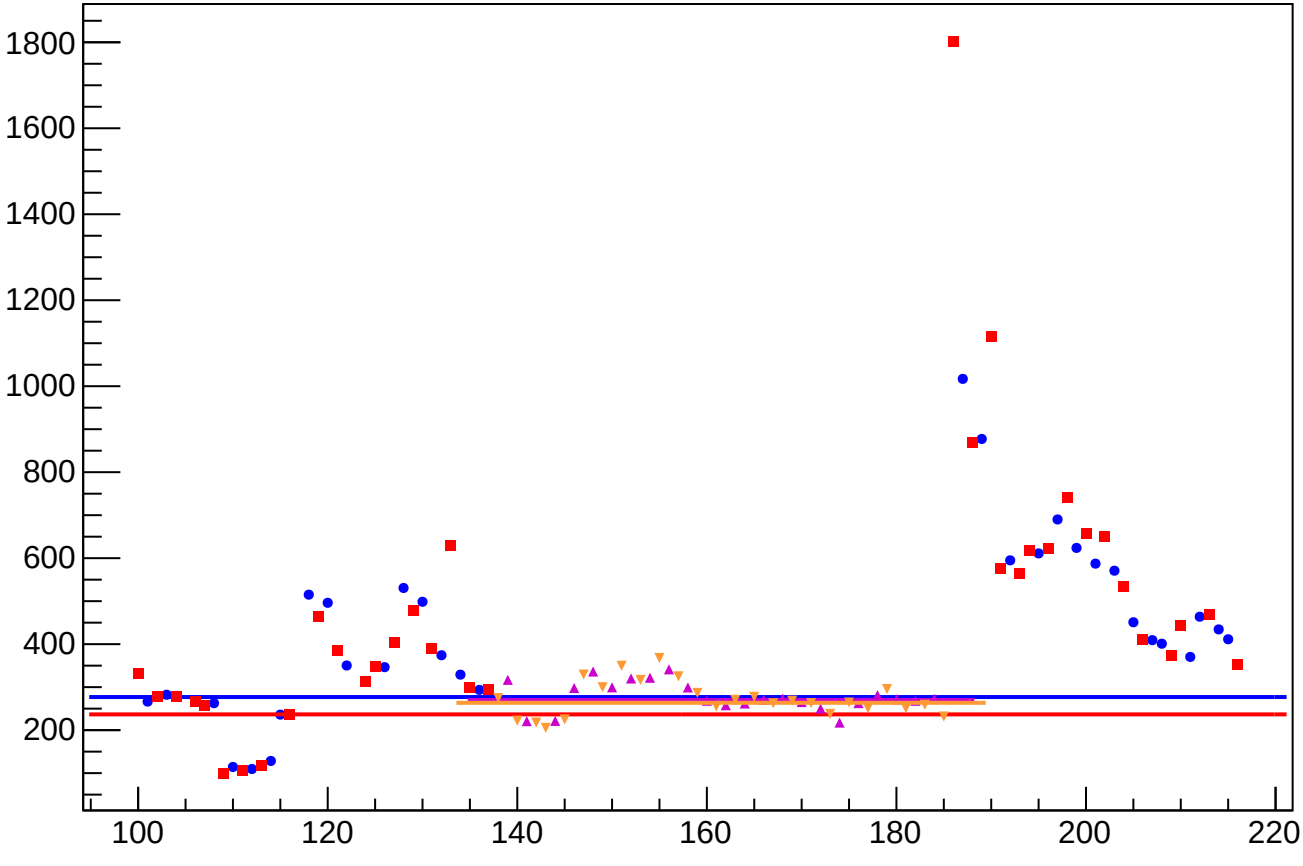
Right: -107.198+/-49.636 χ^2/NDF: 90.8/65

In: -97.916+/-48.301 χ^2/NDF:80.4/53

Out: -67.541+/-44.920 χ^2/NDF:104.5/59

All: -81.628+/-32.894 χ^2/NDF: 185.2/113

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: 236.648+/-0.047 χ^2/NDF: 14060205.1/34

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

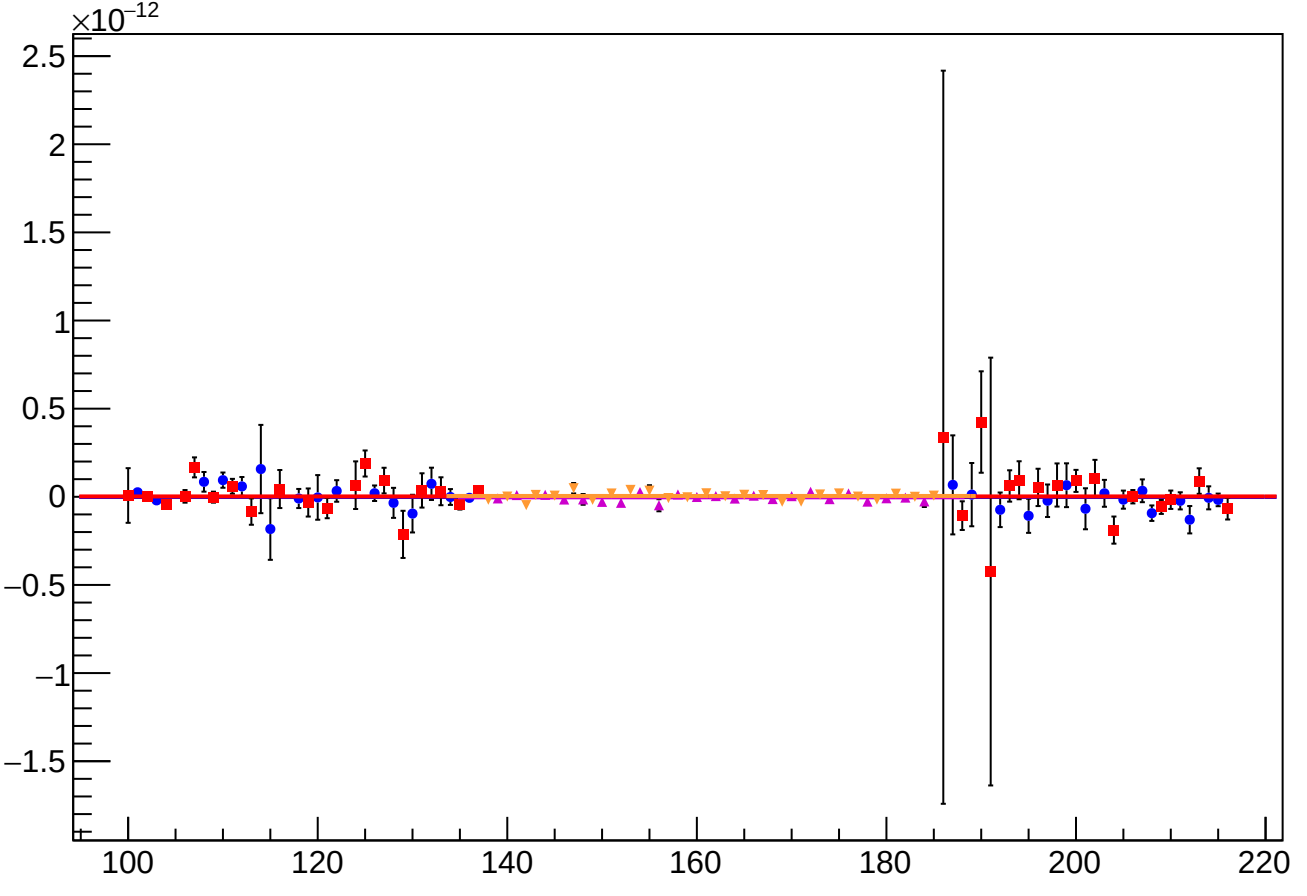
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 254.734+/-0.035 χ^2/NDF: 24684042.7/65

In: 272.905+/-0.034 χ^2/NDF:10909974.5/53

Out: 251.421+/-0.032 χ^2/NDF:15018286.8/59

All: 261.385+/-0.023 χ^2/NDF: 26140442.0/11



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: 50.7/34

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

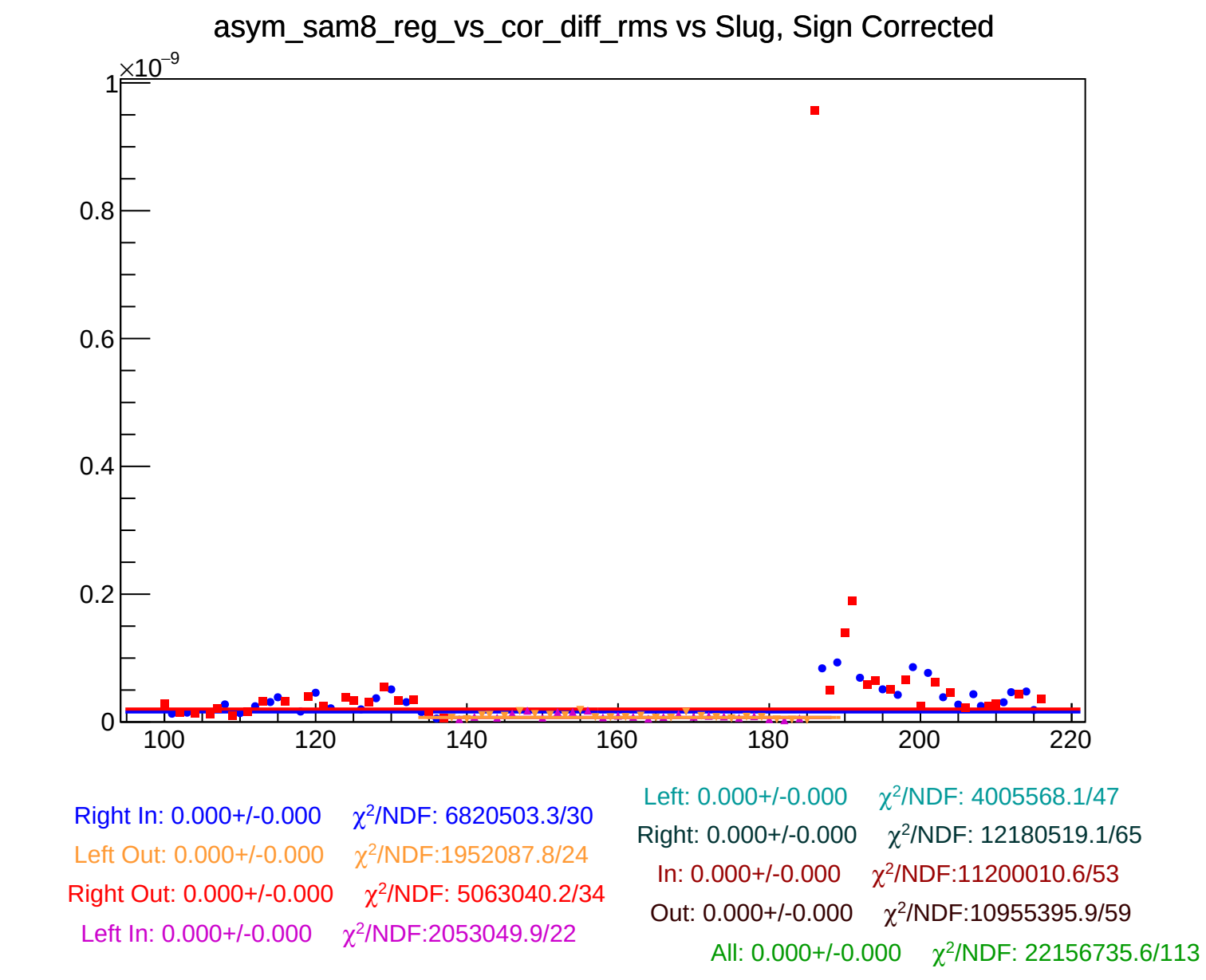
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

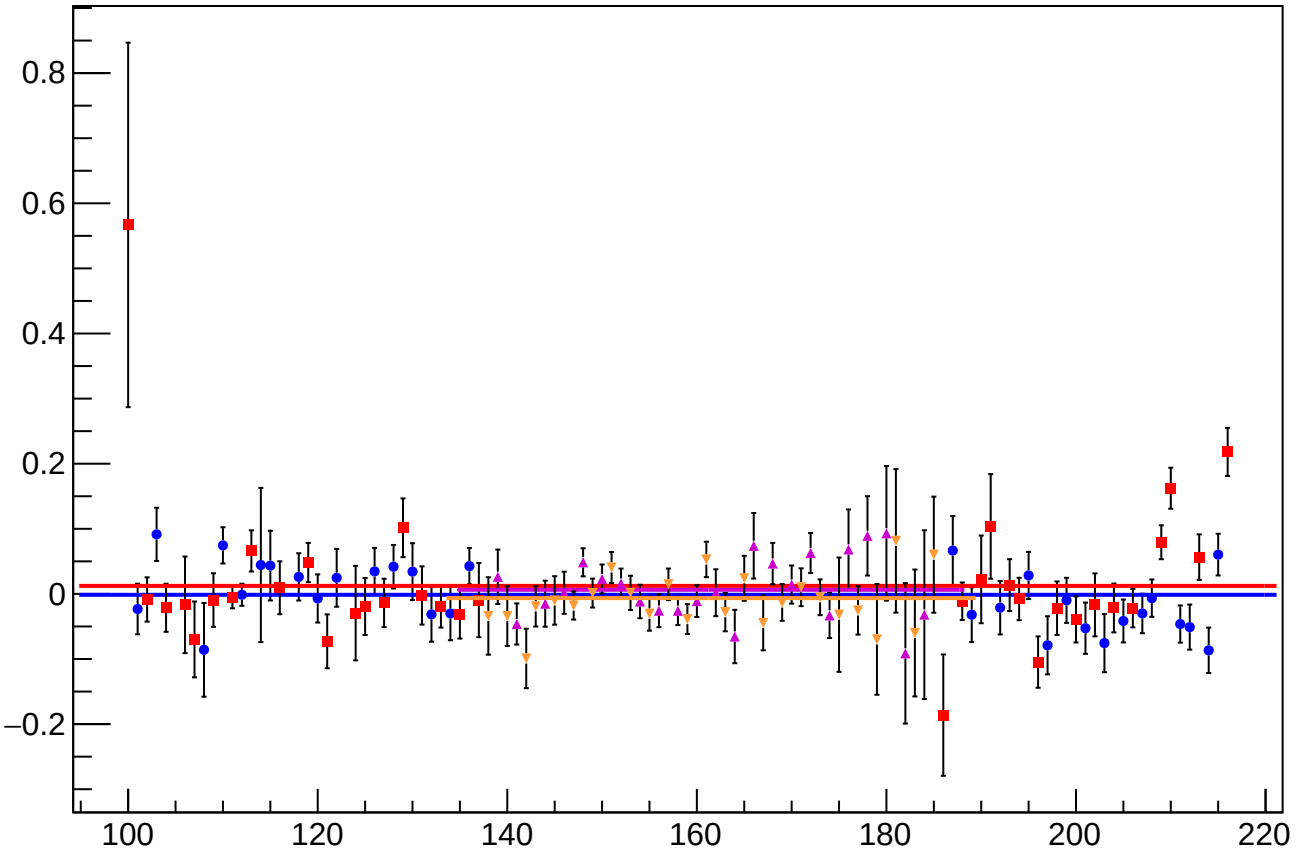
Right: 0.000+/-0.000 χ^2/NDF: 75.8/65

In: -0.000+/-0.000 χ^2/NDF:46.6/53

Out: 0.000+/-0.000 χ^2/NDF:78.6/59

All: 0.000+/-0.000 χ^2/NDF: 128.4/113


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6820503.3/30
Left Out: 0.000+/-0.000 χ²/NDF:1952087.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5063040.2/34
Left In: 0.000+/-0.000 χ²/NDF:2053049.9/22
Left: 0.000+/-0.000 χ²/NDF: 4005568.1/47
Right: 0.000+/-0.000 χ²/NDF: 12180519.1/65
In: 0.000+/-0.000 χ²/NDF:11200010.6/53
Out: 0.000+/-0.000 χ²/NDF:10955395.9/59
All: 0.000+/-0.000 χ²/NDF: 22156735.6/113



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: 0.012+/-0.006 χ^2/NDF: 107.9/34

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

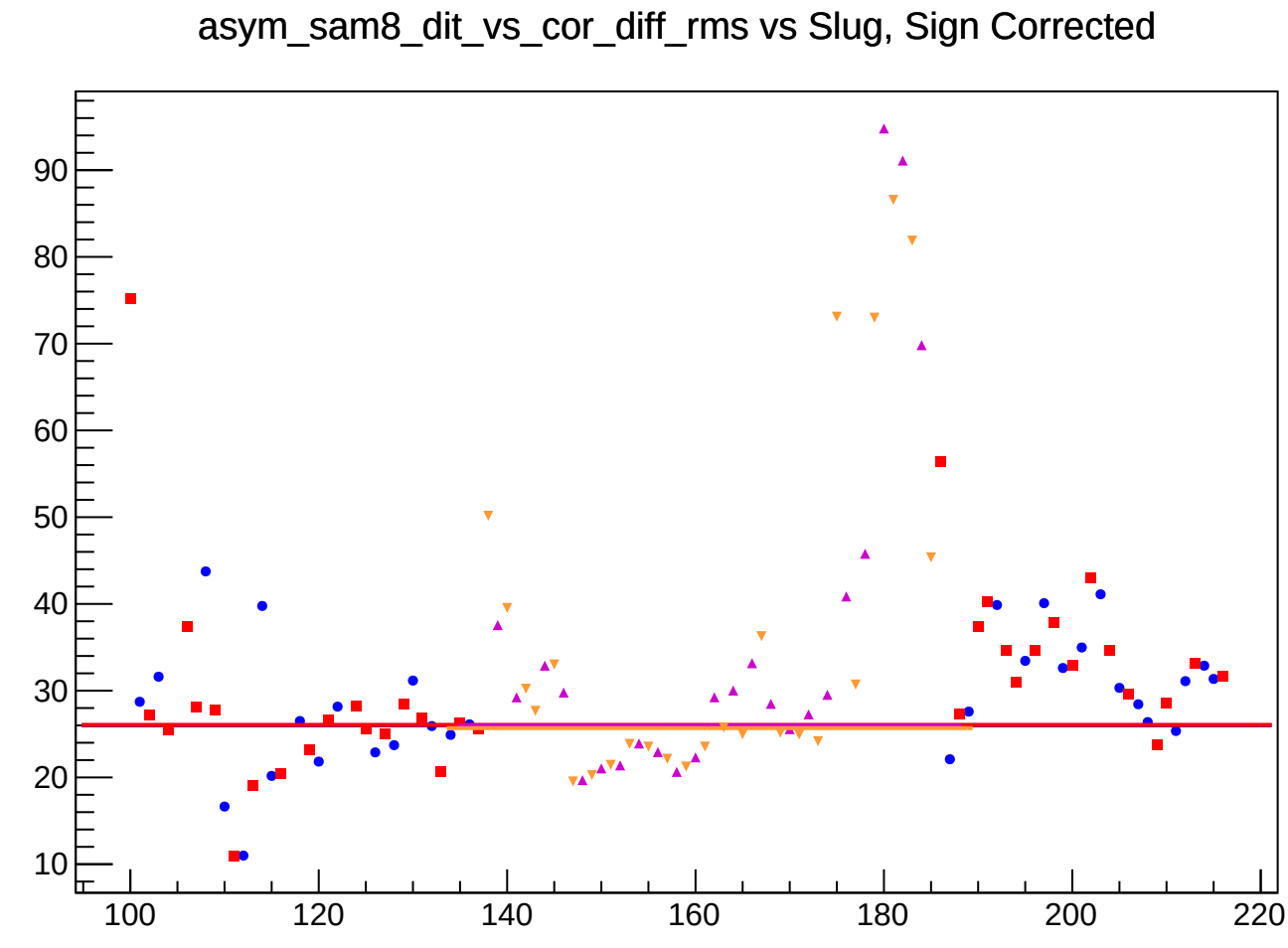
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.006+/-0.004 χ^2/NDF: 160.5/65

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: 0.003+/-0.004 χ^2/NDF:134.9/59

All: 0.003+/-0.003 χ^2/NDF: 214.2/113



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: 26.052+/-0.004 χ^2/NDF: 3260166.6/34

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

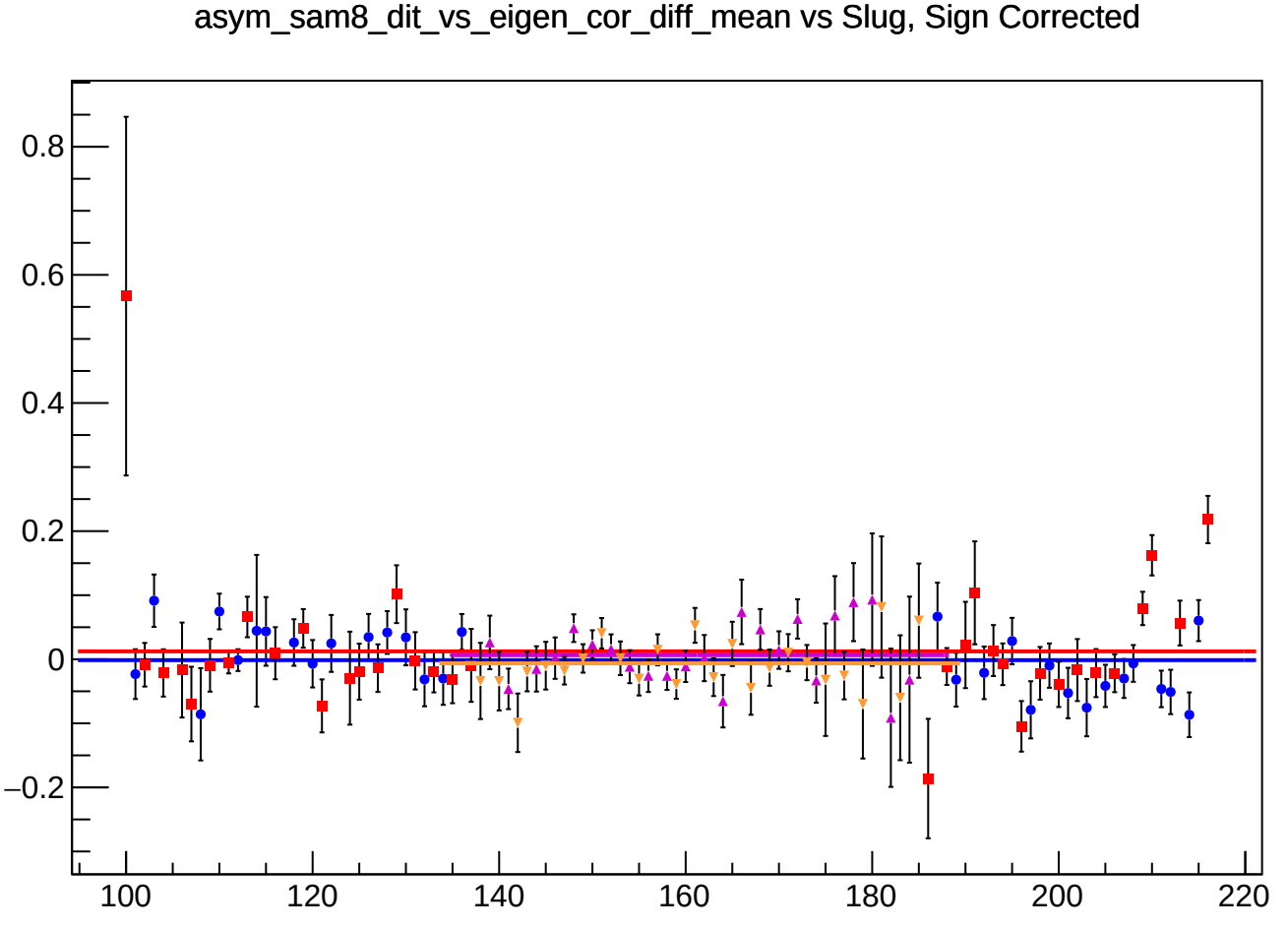
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 26.033+/-0.003 χ^2/NDF: 6508239.0/65

In: 25.994+/-0.003 χ^2/NDF:6366415.8/53

Out: 25.872+/-0.003 χ^2/NDF:7135063.7/59

All: 25.932+/-0.002 χ^2/NDF: 13502206.3/113



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: 0.012+/-0.006 χ^2/NDF: 107.9/34

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

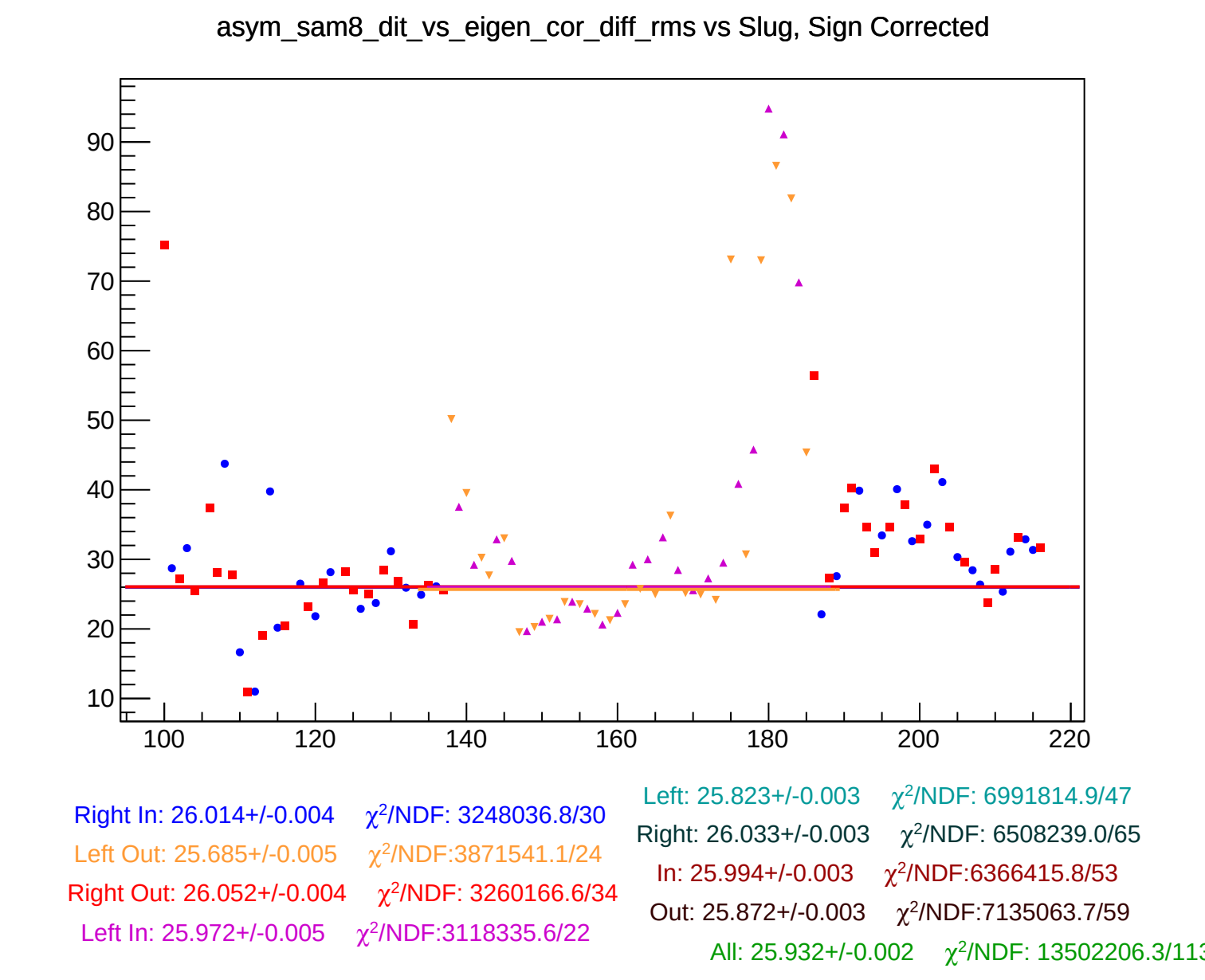
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

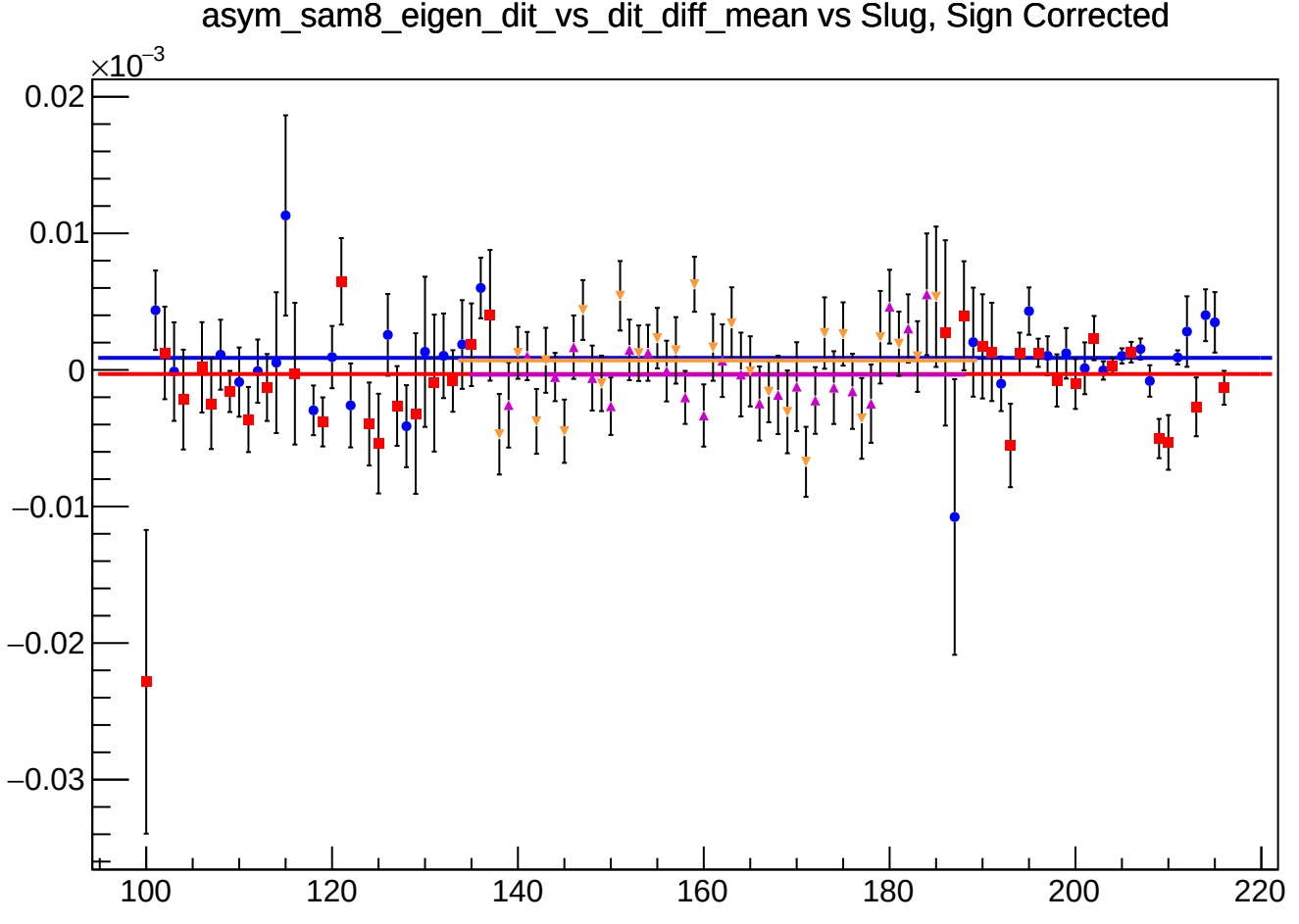
Right: 0.006+/-0.004 χ^2/NDF: 160.5/65

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: 0.003+/-0.004 χ^2/NDF:134.9/59

All: 0.003+/-0.003 χ^2/NDF: 214.2/113


asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 26.014+/-0.004 χ²/NDF: 3248036.8/30
Left Out: 25.685+/-0.005 χ²/NDF:3871541.1/24
Right Out: 26.052+/-0.004 χ²/NDF: 3260166.6/34
Left In: 25.972+/-0.005 χ²/NDF:3118335.6/22
Left: 25.823+/-0.003 χ²/NDF: 6991814.9/47
Right: 26.033+/-0.003 χ²/NDF: 6508239.0/65
In: 25.994+/-0.003 χ²/NDF:6366415.8/53
Out: 25.872+/-0.003 χ²/NDF:7135063.7/59
All: 25.932+/-0.002 χ²/NDF: 13502206.3/113



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: 57.5/34

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

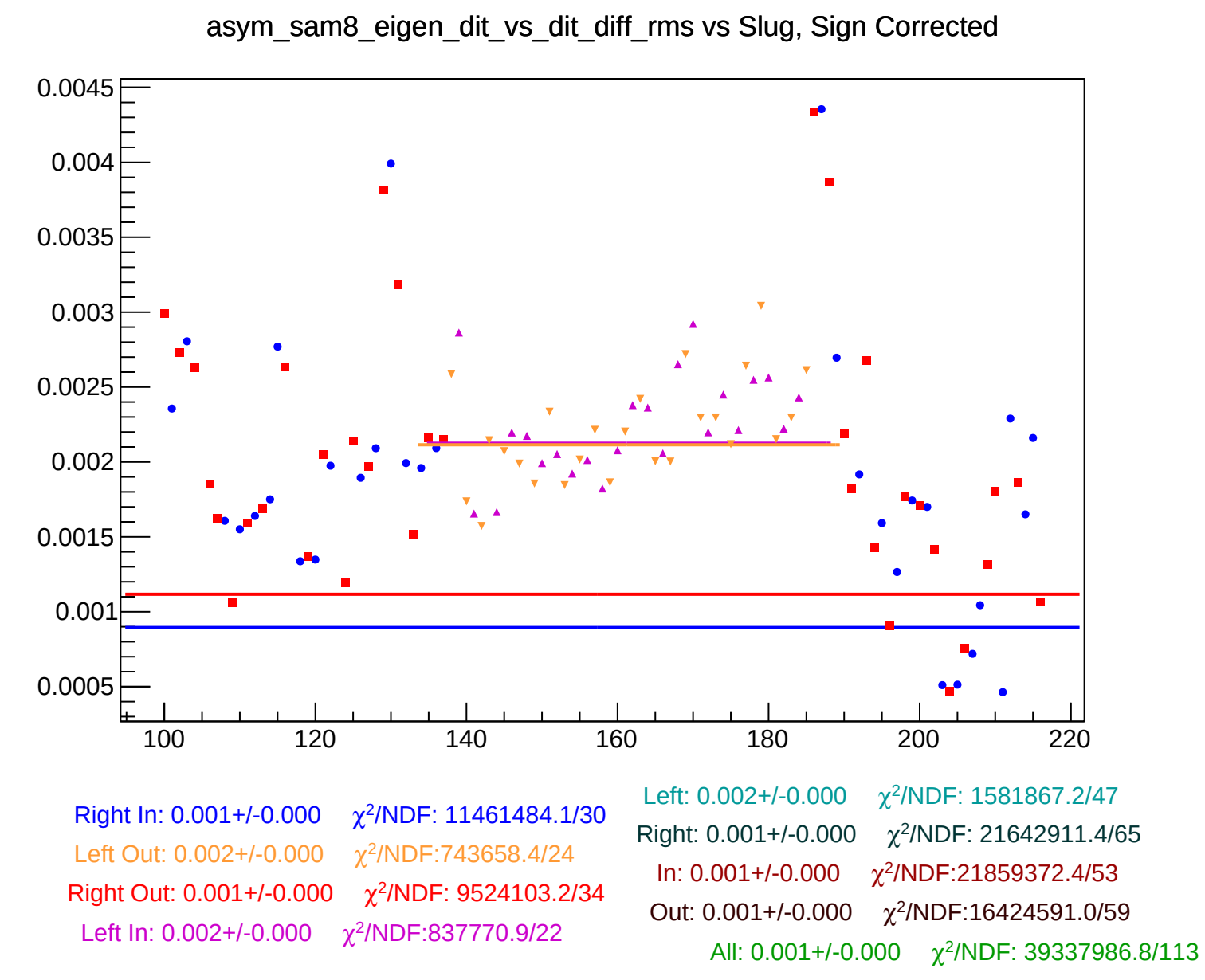
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

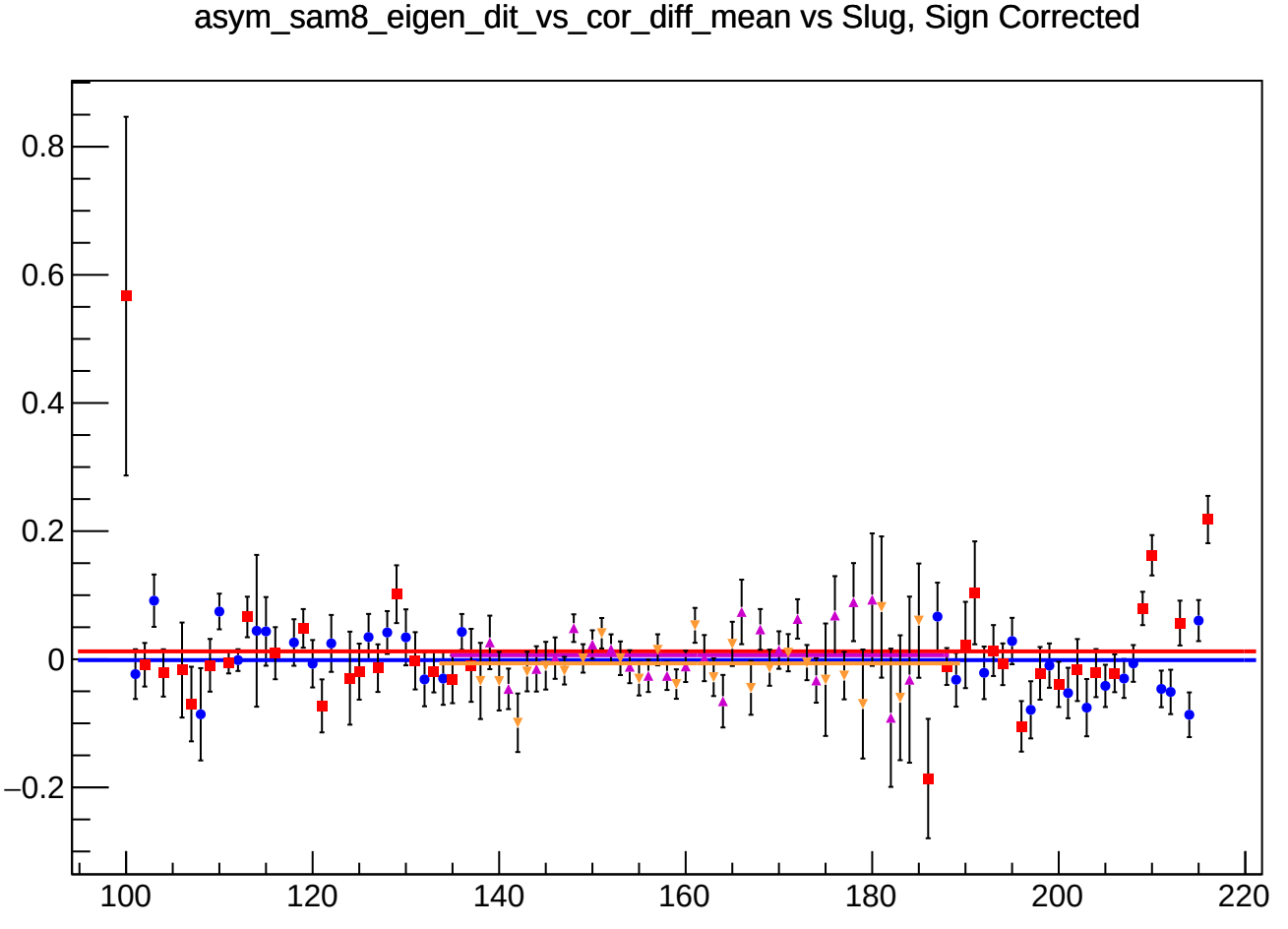
Right: 0.000+/-0.000 χ^2/NDF: 101.2/65

In: 0.000+/-0.000 χ^2/NDF:55.5/53

Out: -0.000+/-0.000 χ^2/NDF:104.9/59

All: 0.000+/-0.000 χ^2/NDF: 164.4/113


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: 9524103.2/34
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: 21642911.4/65
In: 0.001+/-0.000 χ²/NDF:21859372.4/53
Out: 0.001+/-0.000 χ²/NDF:16424591.0/59
All: 0.001+/-0.000 χ²/NDF: 39337986.8/113



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: 0.012+/-0.006 χ^2/NDF: 107.9/34

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

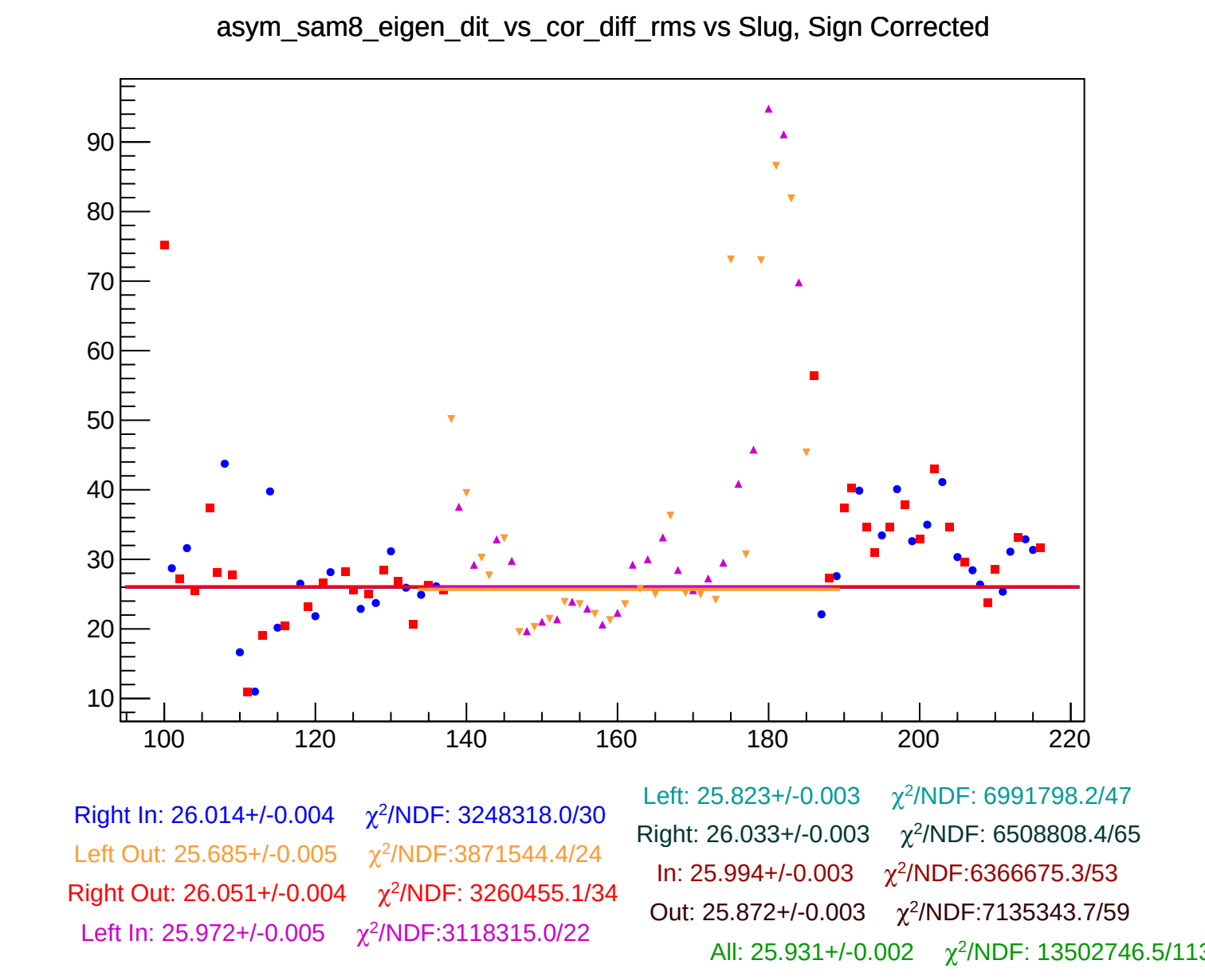
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.006+/-0.004 χ^2/NDF: 160.5/65

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: 0.003+/-0.004 χ^2/NDF:134.9/59

All: 0.003+/-0.003 χ^2/NDF: 214.2/113


asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
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60
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40
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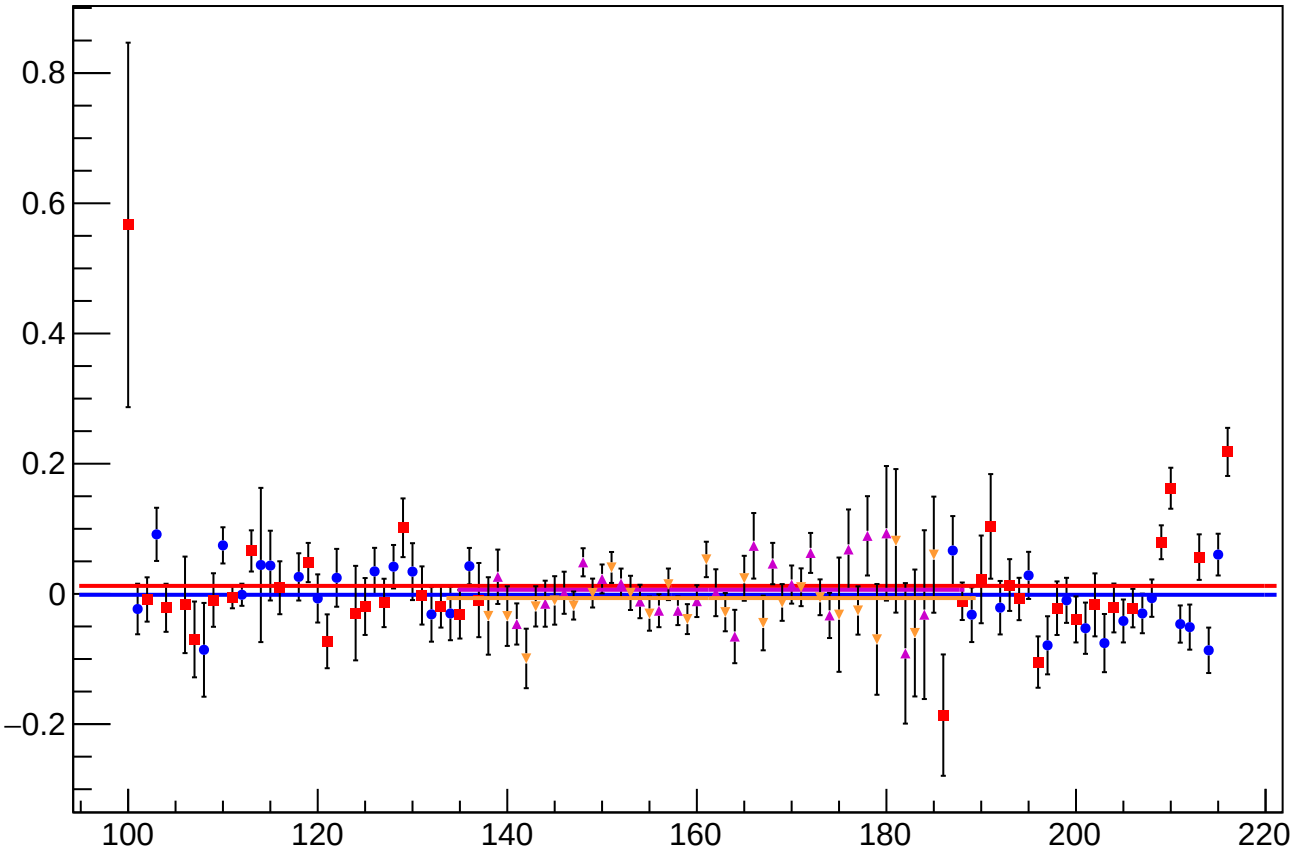
10
100
120
140
160
180
200
220
Right In: 26.014+/-0.004 χ²/NDF: 3248318.0/30
Left Out: 25.685+/-0.005 χ²/NDF:3871544.4/24
Right Out: 26.051+/-0.004 χ²/NDF: 3260455.1/34
Left In: 25.972+/-0.005 χ²/NDF:3118315.0/22
Left: 25.823+/-0.003 χ²/NDF: 6991798.2/47
Right: 26.033+/-0.003 χ²/NDF: 6508808.4/65
In: 25.994+/-0.003 χ²/NDF:6366675.3/53
Out: 25.872+/-0.003 χ²/NDF:7135343.7/59
All: 25.931+/-0.002 χ²/NDF: 13502746.5/113



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: 0.012+/-0.006 χ^2/NDF: 107.9/34

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

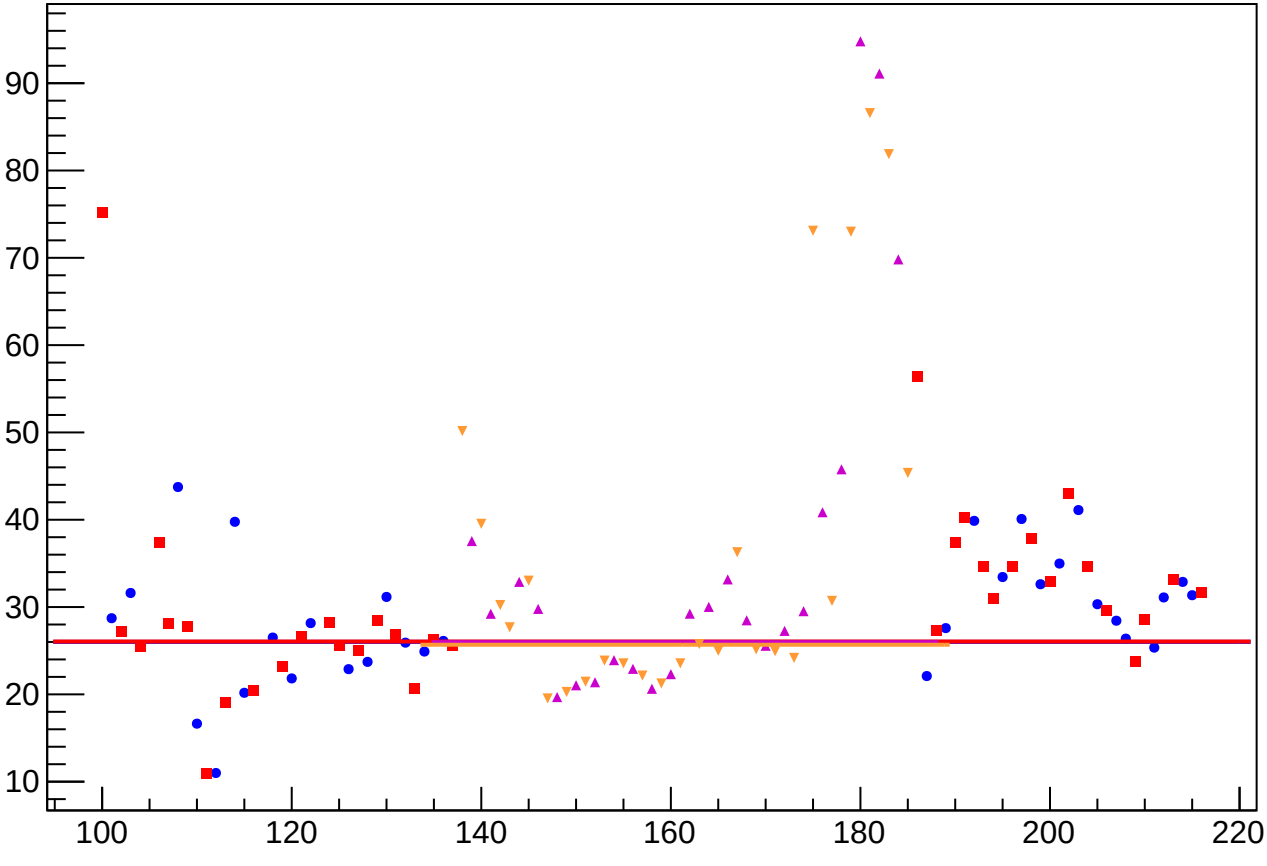
Right: 0.006+/-0.004 χ^2/NDF: 160.5/65

In: 0.002+/-0.005 χ^2/NDF:79.3/53

Out: 0.003+/-0.004 χ^2/NDF:134.9/59

All: 0.003+/-0.003 χ^2/NDF: 214.2/113

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: 26.051+/-0.004 χ^2/NDF: 3260455.1/34

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

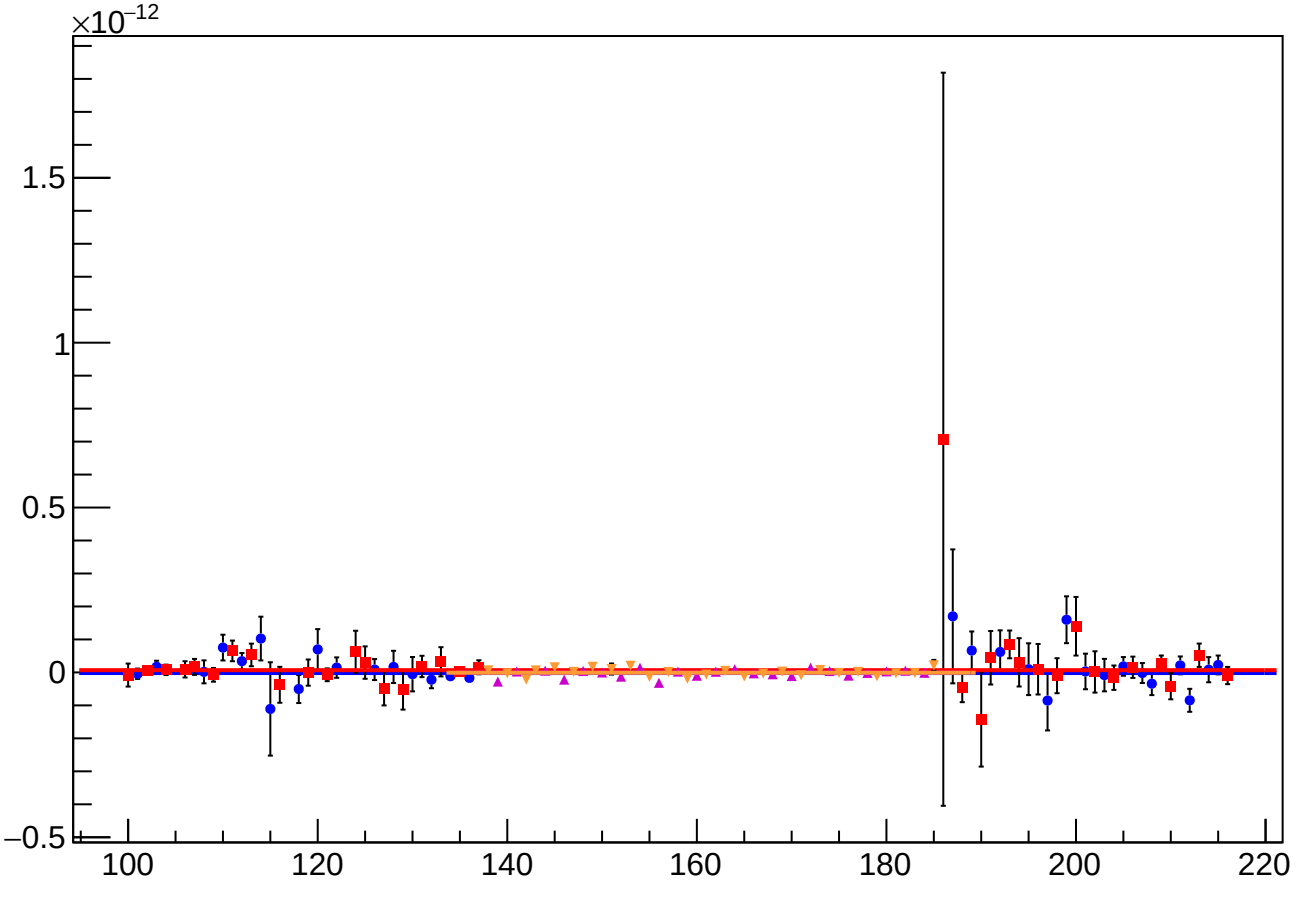
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 26.033+/-0.003 χ^2/NDF: 6508808.4/65

In: 25.994+/-0.003 χ^2/NDF:6366675.3/53

Out: 25.872+/-0.003 χ^2/NDF:7135343.7/59

All: 25.931+/-0.002 χ^2/NDF: 13502746.5/113



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: 25.0/34

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

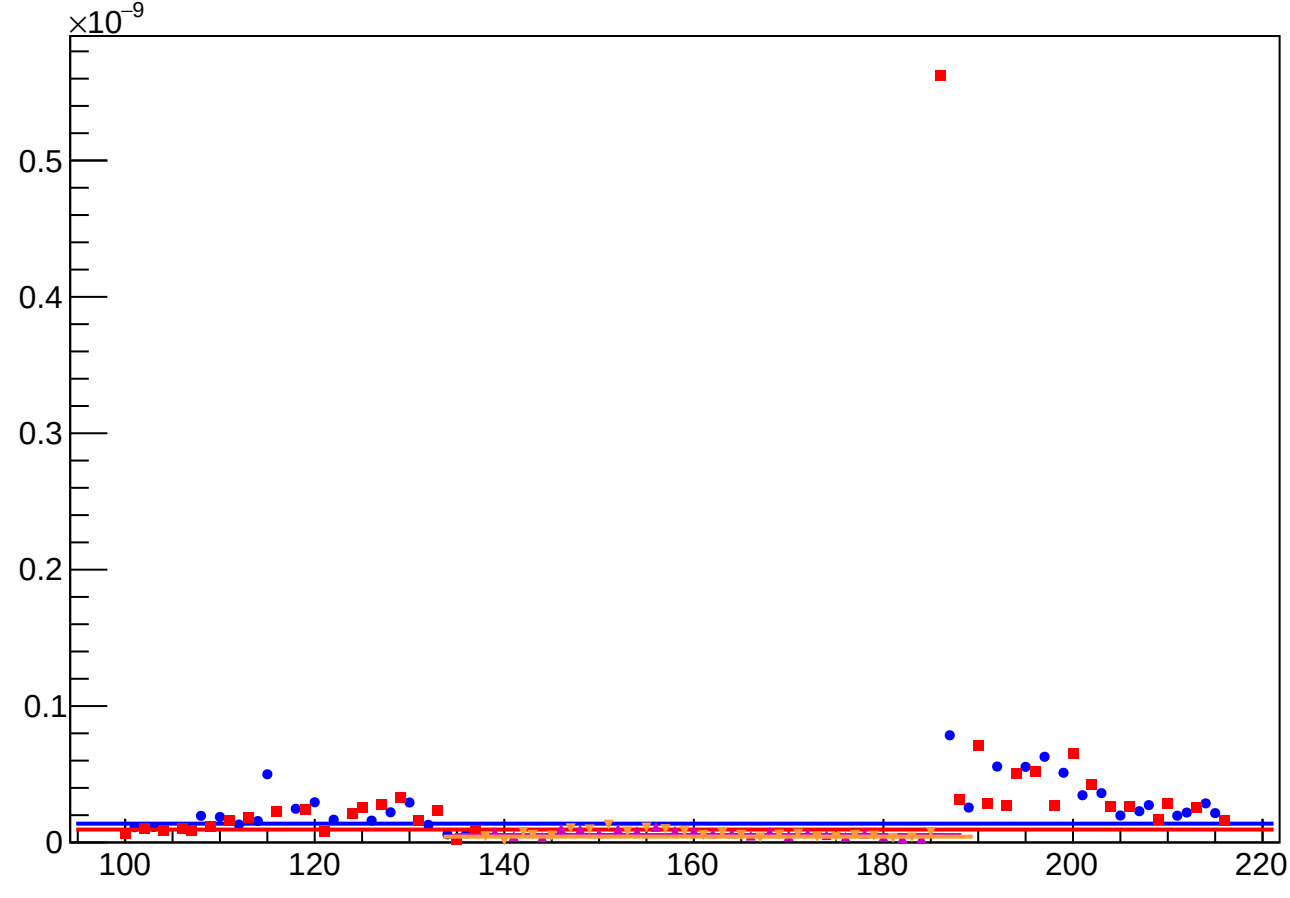
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.9/65

In: -0.000+/-0.000 χ^2/NDF:64.7/53

Out: -0.000+/-0.000 χ^2/NDF:57.2/59

All: -0.000+/-0.000 χ^2/NDF: 122.0/113



Right In: 0.000+/-0.000 χ^2/NDF: 7491678.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11563580.9/34

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

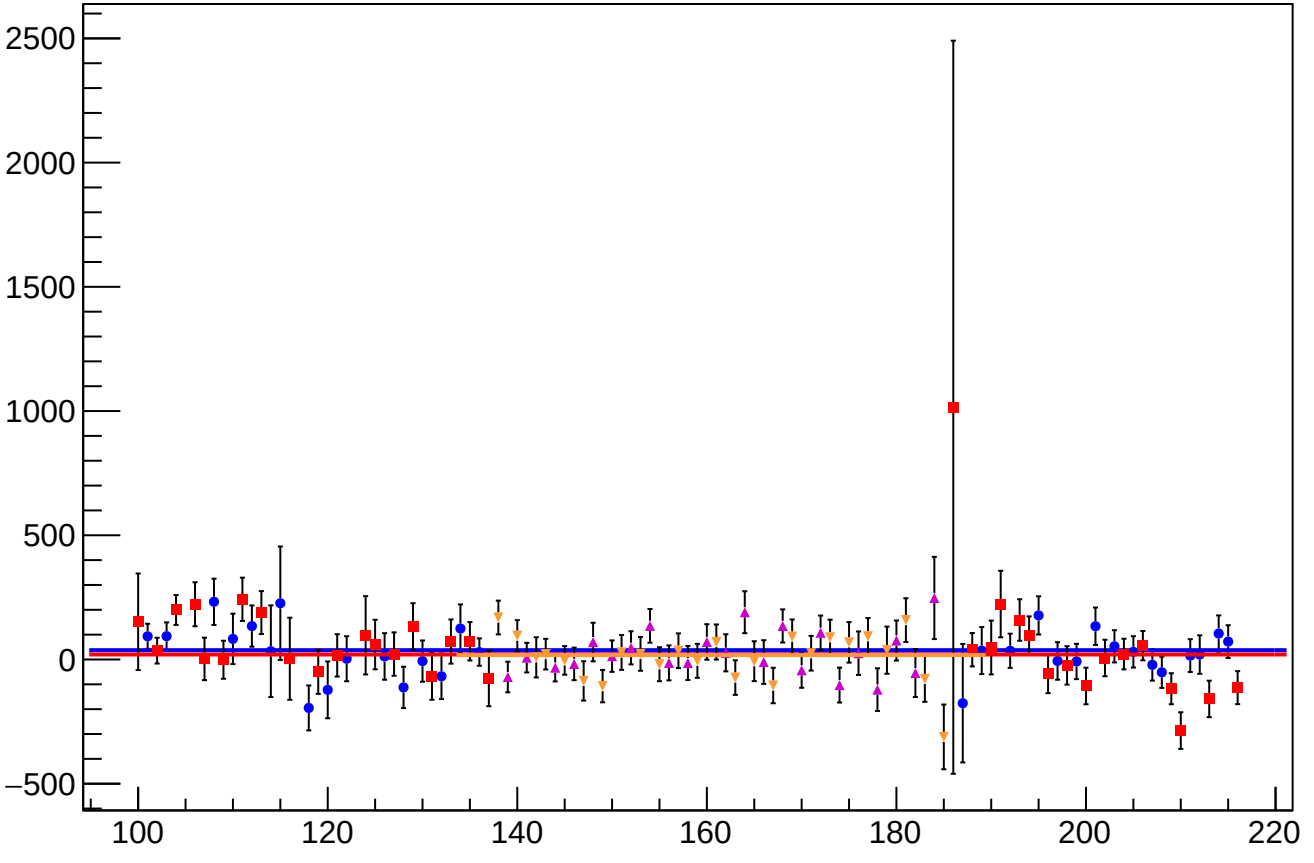
Right: 0.000+/-0.000 χ^2/NDF: 19993623.2/65

In: 0.000+/-0.000 χ^2/NDF:15523821.4/53

Out: 0.000+/-0.000 χ^2/NDF:19950113.9/59

All: 0.000+/-0.000 χ^2/NDF: 36566817.8/113

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: 20.155+/-13.693 χ^2/NDF: 73.5/34

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

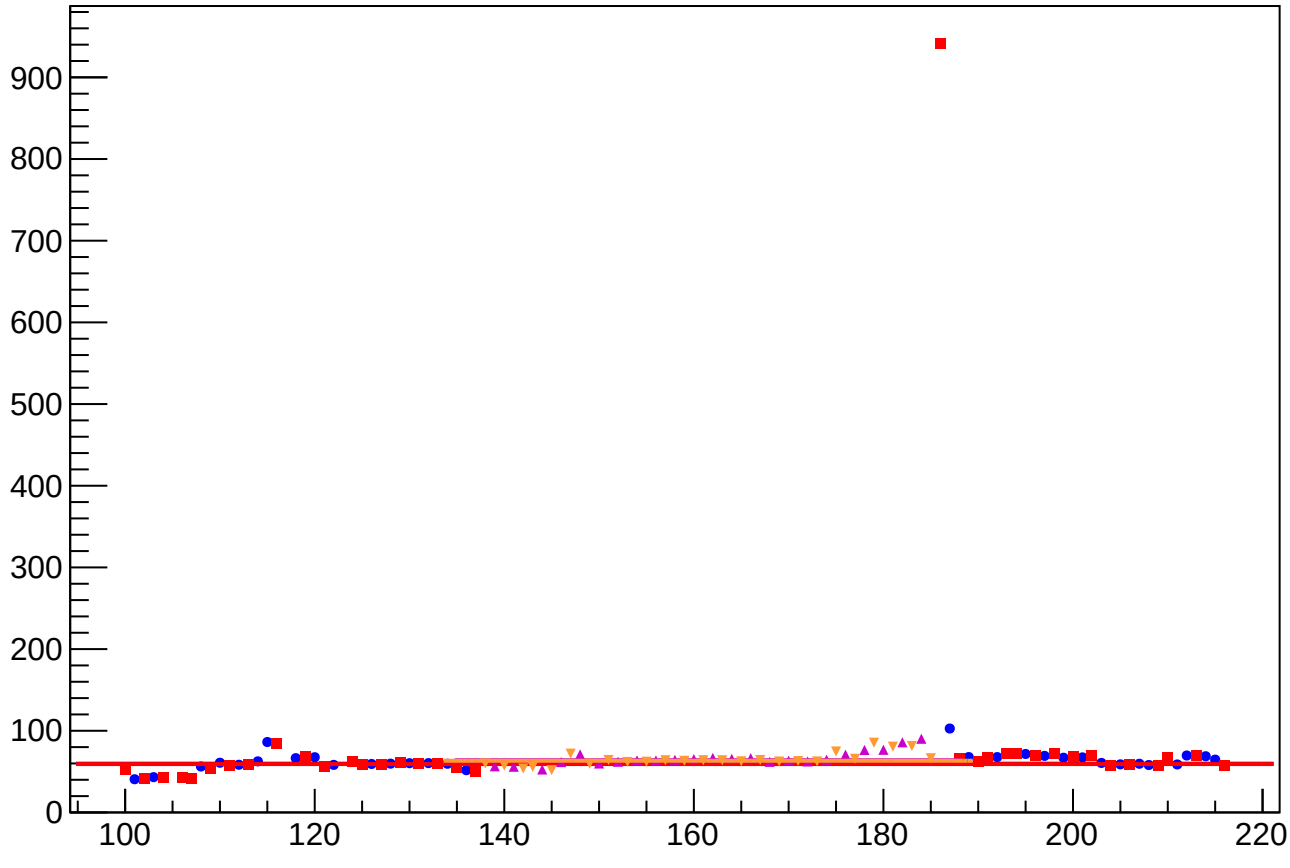
Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

Right: 28.773+/-9.715 χ^2/NDF: 108.3/65

In: 29.351+/-10.163 χ^2/NDF:61.0/53

Out: 19.045+/-9.954 χ^2/NDF:105.1/59

All: 24.091+/-7.111 χ^2/NDF: 166.6/113



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: 59.237+/-0.010 χ^2/NDF: 1718147.6/34

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

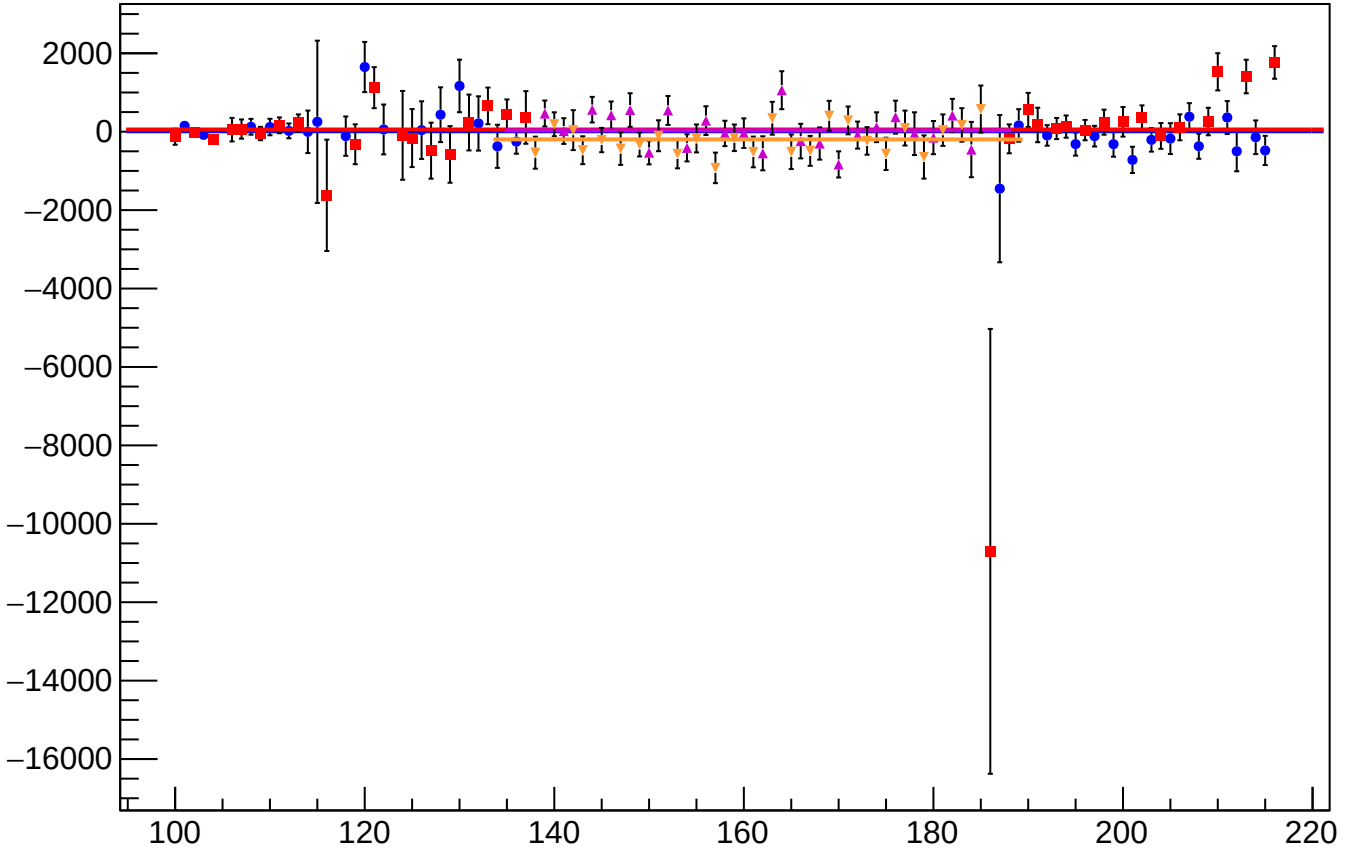
Right: 59.456+/-0.007 χ^2/NDF: 2581620.9/65

In: 61.614+/-0.007 χ^2/NDF:1394172.5/53

Out: 61.159+/-0.007 χ^2/NDF:2299118.7/59

All: 61.381+/-0.005 χ^2/NDF: 3695334.7/113

asym_sam_15_avg_reg_correction_mean vs Slug, Sign Corrected



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: 56.332+/-43.671 χ^2/NDF: 65.1/34

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

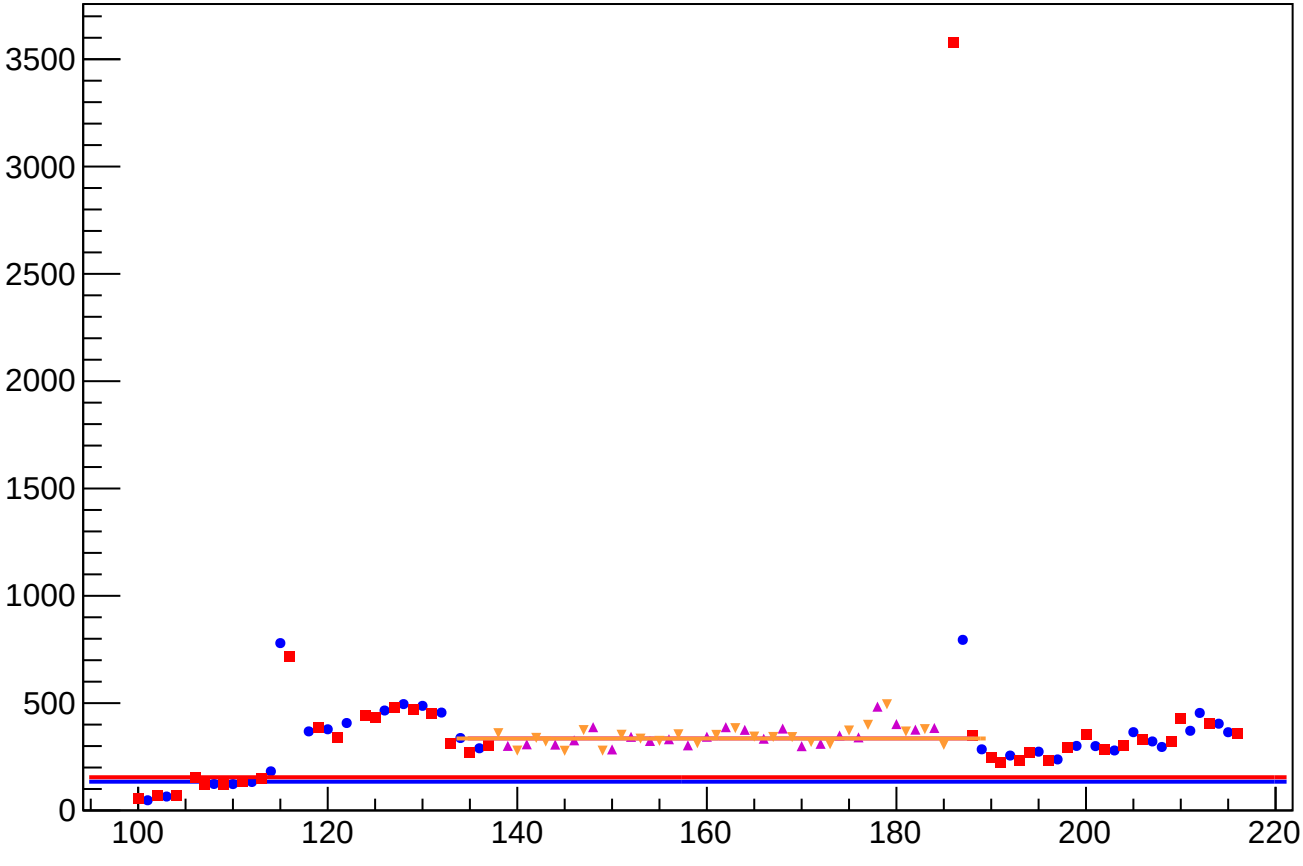
Right: 32.851+/-30.009 χ^2/NDF: 97.7/65

In: 17.097+/-36.626 χ^2/NDF:63.3/53

Out: -4.961+/-37.997 χ^2/NDF:93.8/59

All: 6.473+/-26.370 χ^2/NDF: 157.2/113

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: 154.739+/-0.031 χ^2/NDF: 13705623.1/34

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

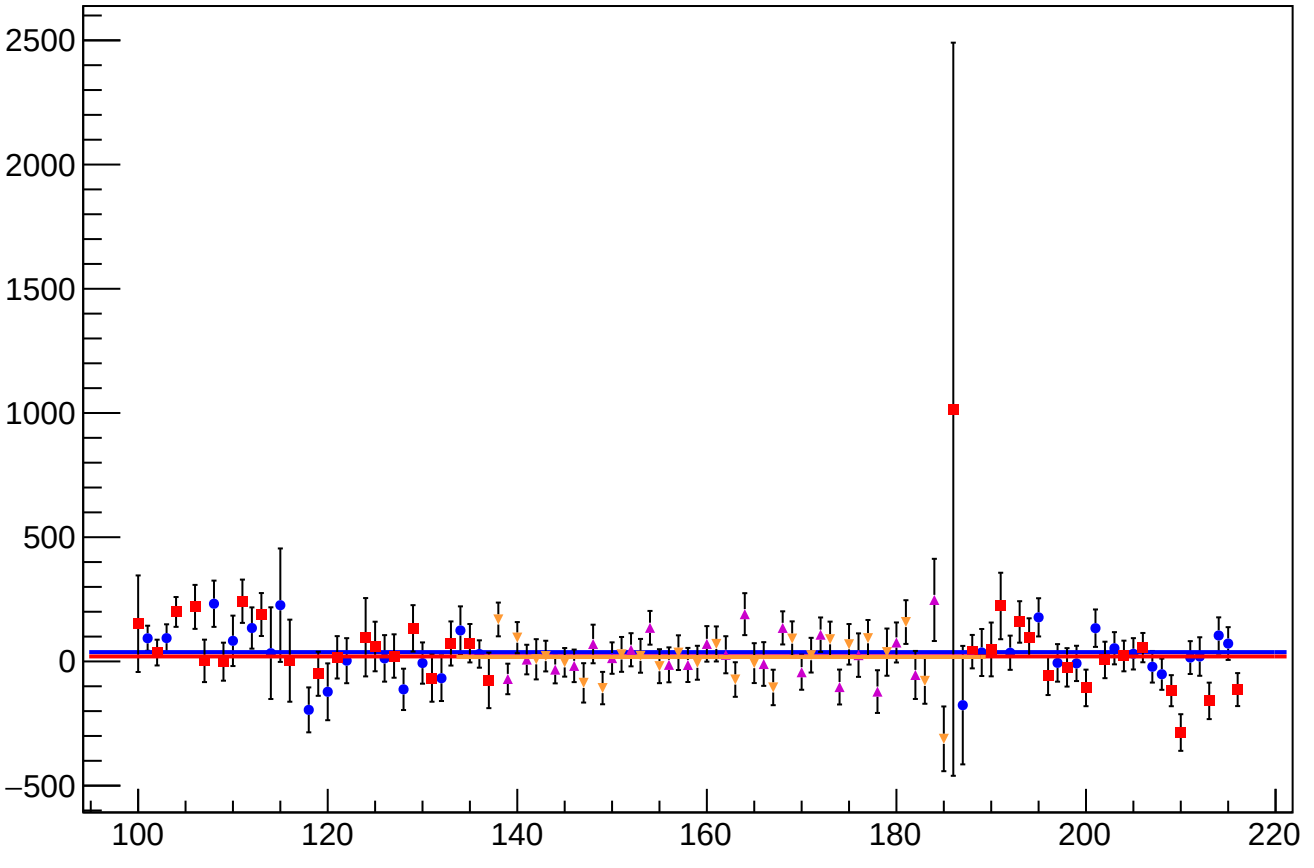
Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

Right: 143.819+/-0.021 χ^2/NDF: 30478272.7/65

In: 177.126+/-0.026 χ^2/NDF:27203907.4/53

Out: 198.601+/-0.027 χ^2/NDF:22573333.2/59

All: 187.469+/-0.019 χ^2/NDF: 50108387.6/1



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: 20.088+/-13.693 χ^2/NDF: 73.4/34

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

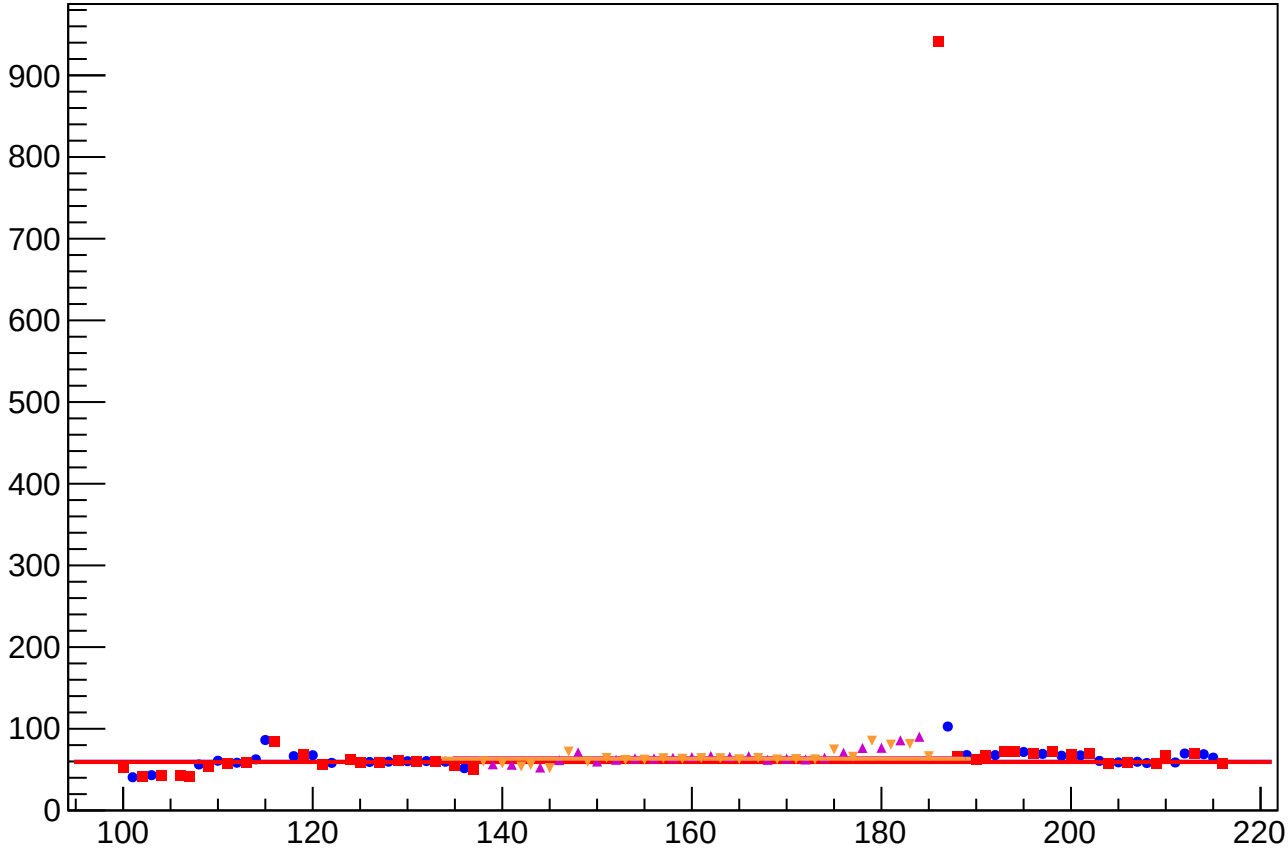
Right: 28.742+/-9.715 χ^2/NDF: 108.2/65

In: 29.354+/-10.163 χ^2/NDF:61.0/53

Out: 19.011+/-9.954 χ^2/NDF:104.9/59

All: 24.075+/-7.111 χ^2/NDF: 166.5/113

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 59.237+/-0.010 χ^2/NDF: 1718571.5/34

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

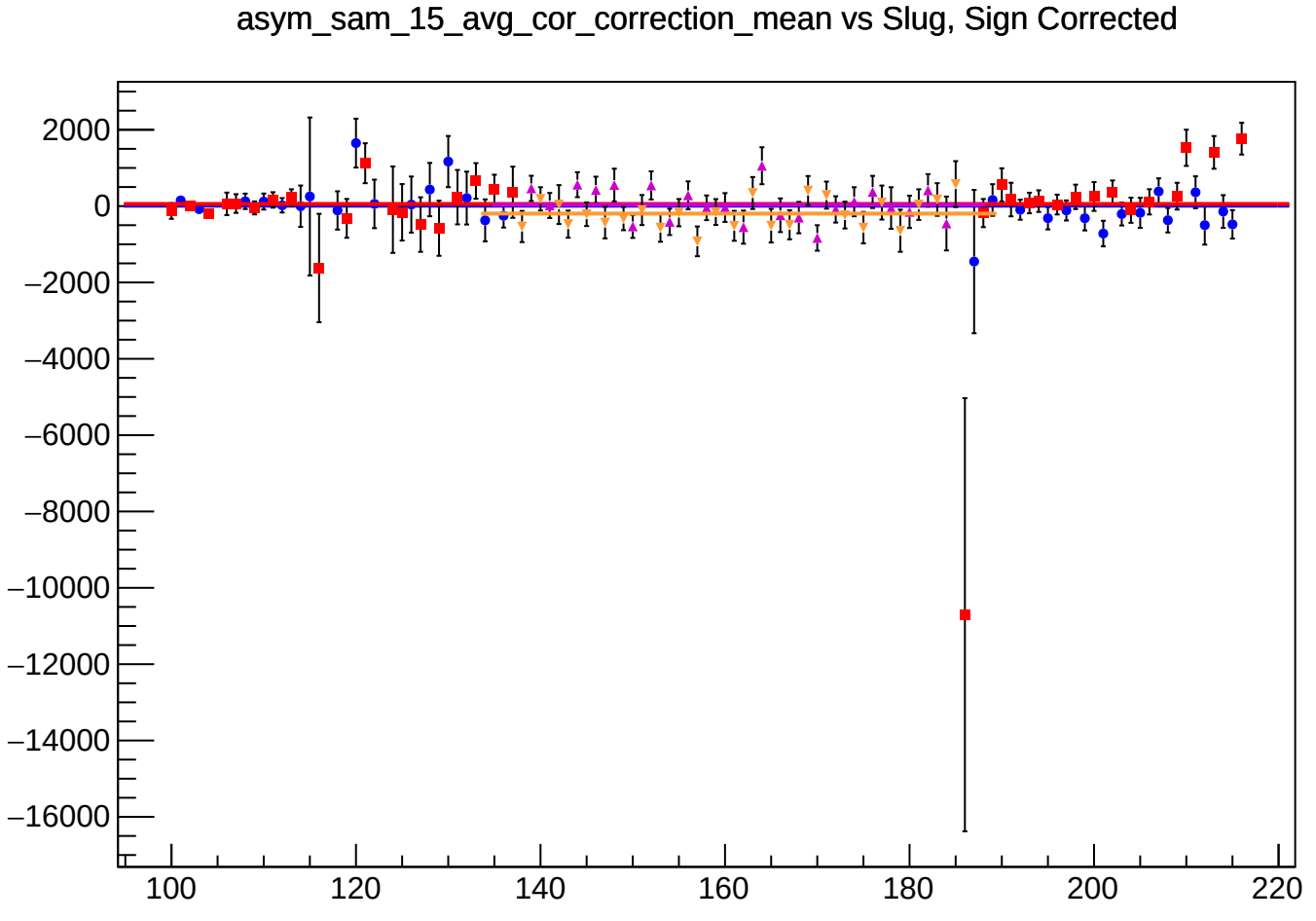
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 59.455+/-0.007 χ^2/NDF: 2582046.7/65

In: 61.614+/-0.007 χ^2/NDF:1394171.3/53

Out: 61.159+/-0.007 χ^2/NDF:2299566.5/59

All: 61.381+/-0.005 χ^2/NDF: 3695783.7/113



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: 56.559+/-43.643 χ^2/NDF: 65.0/34

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

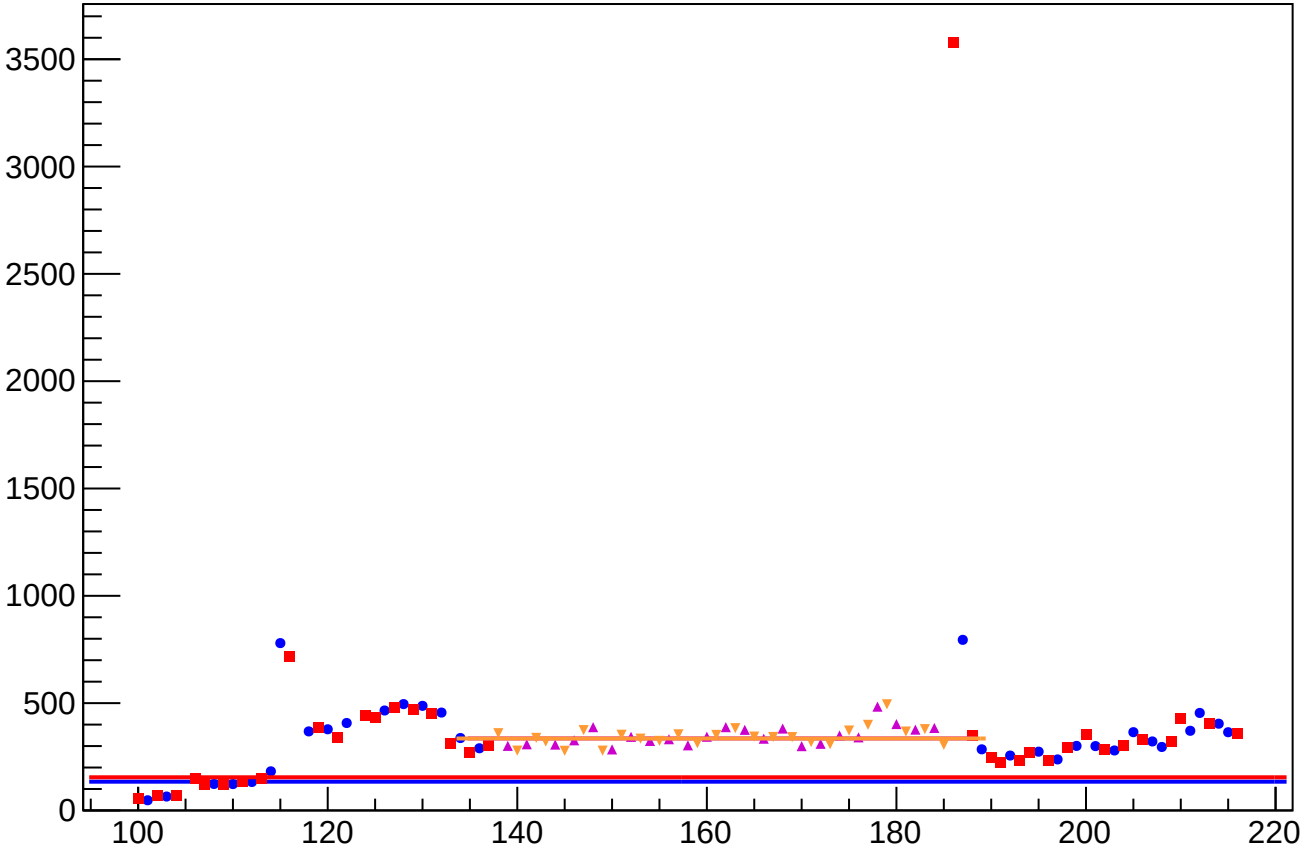
Right: 32.974+/-30.000 χ^2/NDF: 97.7/65

In: 17.100+/-36.625 χ^2/NDF:63.3/53

Out: -4.729+/-37.979 χ^2/NDF:93.8/59

All: 6.582+/-26.363 χ^2/NDF: 157.3/113

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: 154.545+/-0.031 χ^2/NDF: 13713628.1/34

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

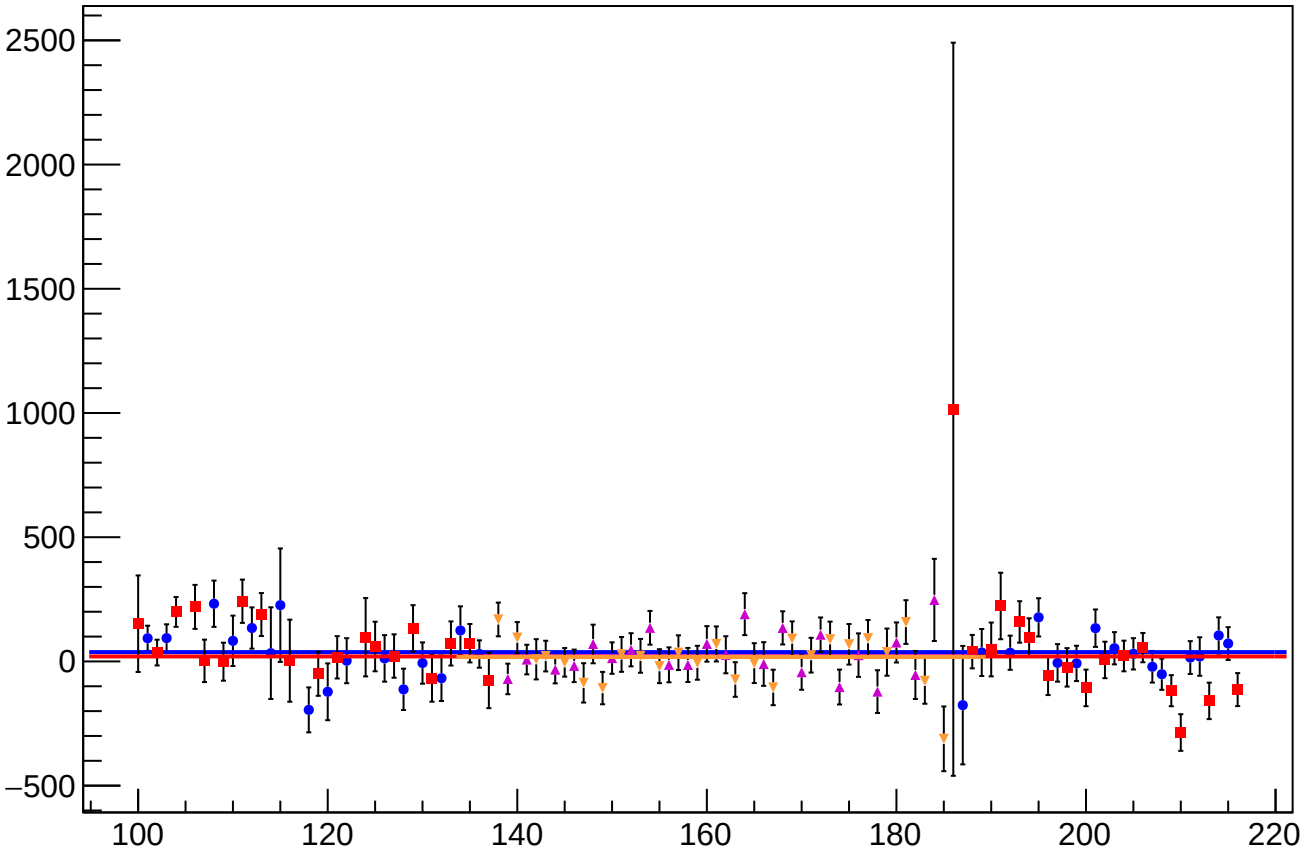
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 143.732+/-0.021 χ^2/NDF: 30482475.1/65

In: 177.122+/-0.026 χ^2/NDF:27204721.0/53

Out: 198.411+/-0.027 χ^2/NDF:22601810.1/59

All: 187.380+/-0.019 χ^2/NDF: 50132145.5/1



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: 20.088+/-13.693 χ^2/NDF: 73.4/34

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

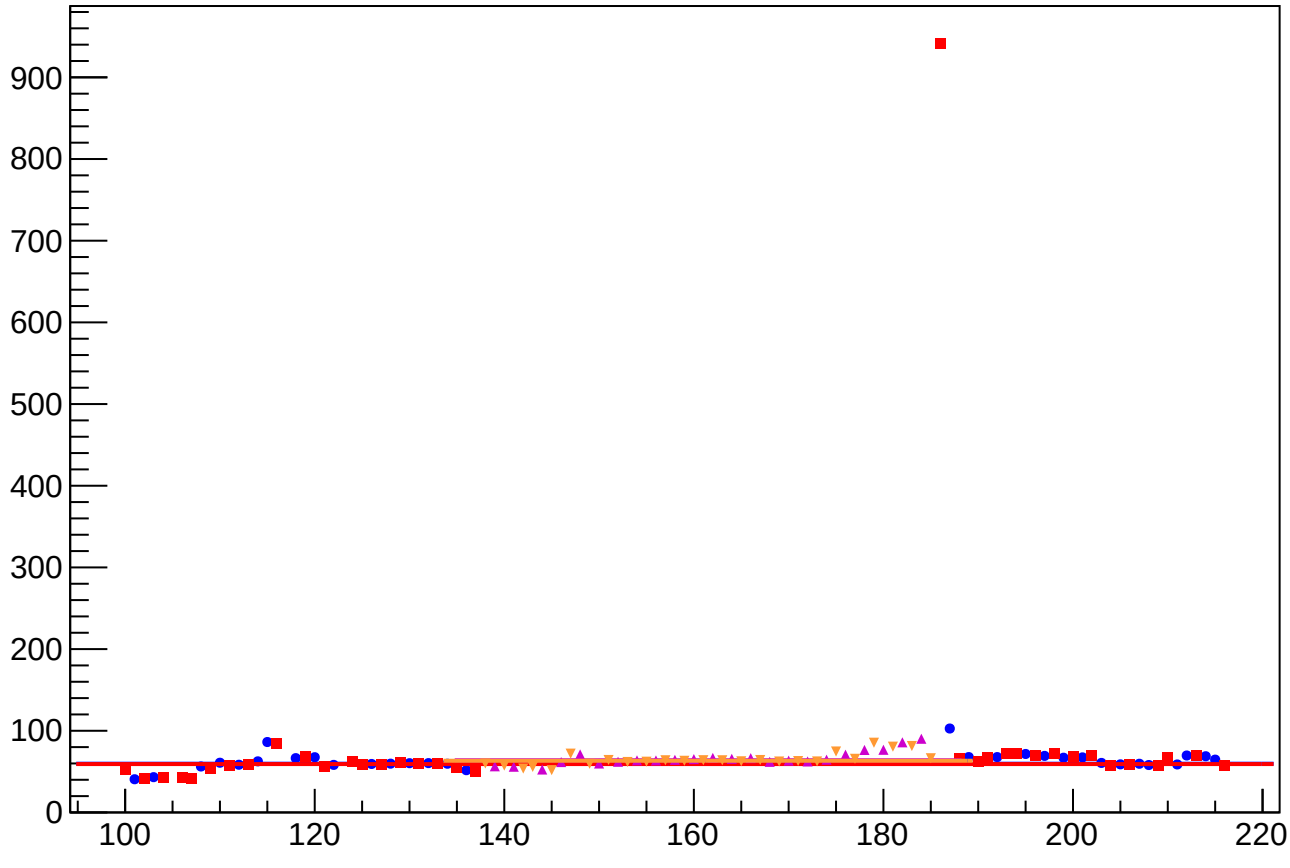
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 28.742+/-9.715 χ^2/NDF: 108.2/65

In: 29.354+/-10.163 χ^2/NDF:61.0/53

Out: 19.011+/-9.954 χ^2/NDF:104.9/59

All: 24.075+/-7.111 χ^2/NDF: 166.5/113



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: 59.237+/-0.010 χ^2/NDF: 1718571.5/34

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

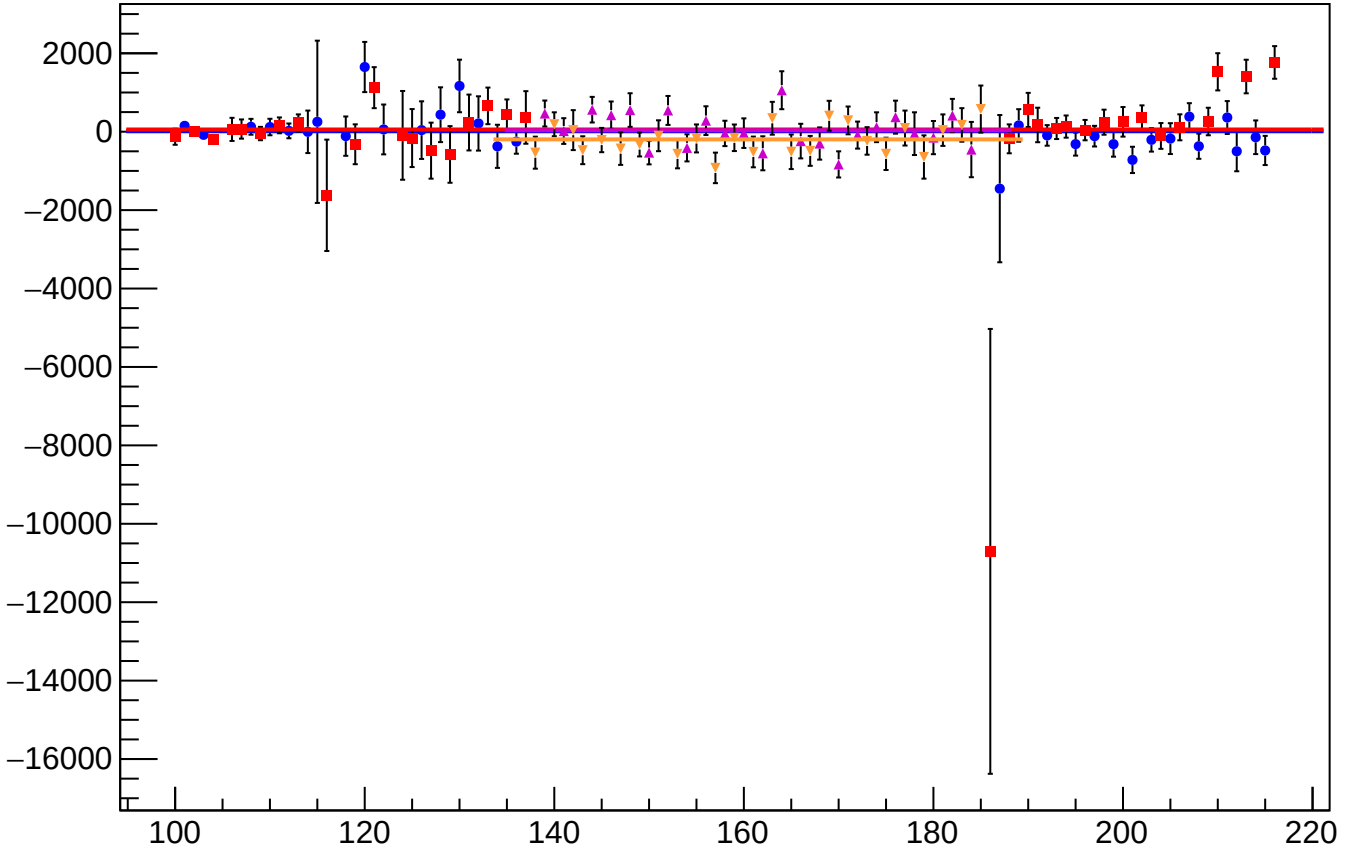
Right: 59.455+/-0.007 χ^2/NDF: 2582046.7/65

In: 61.614+/-0.007 χ^2/NDF:1394171.3/53

Out: 61.159+/-0.007 χ^2/NDF:2299566.5/59

All: 61.381+/-0.005 χ^2/NDF: 3695783.7/113

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: 56.559+/-43.643 χ^2/NDF: 65.0/34

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

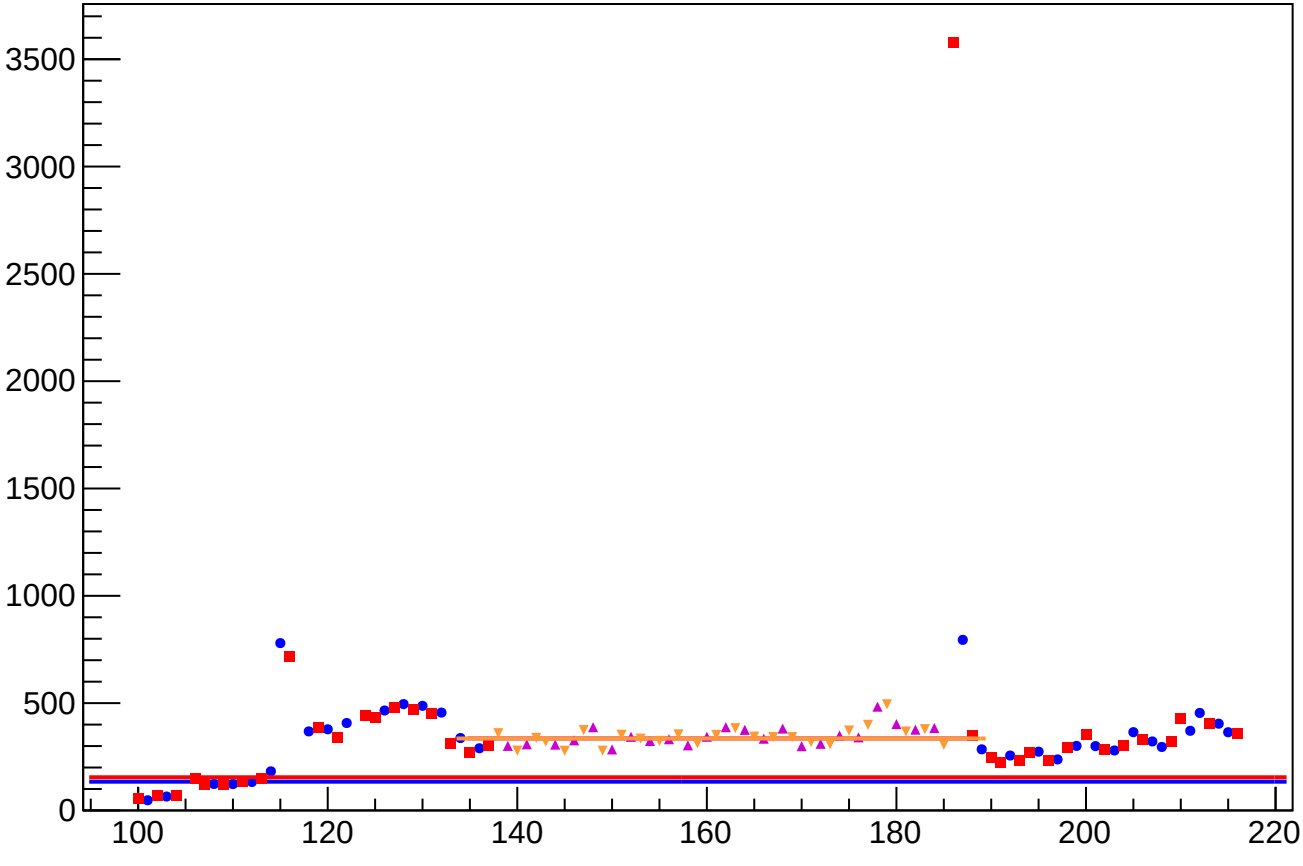
Right: 32.974+/-30.000 χ^2/NDF: 97.7/65

In: 17.100+/-36.625 χ^2/NDF:63.3/53

Out: -4.729+/-37.979 χ^2/NDF:93.8/59

All: 6.582+/-26.363 χ^2/NDF: 157.3/113

asym_sam_15_avg_eigen_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: 154.545+/-0.031 χ^2/NDF: 13713628.1/34

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

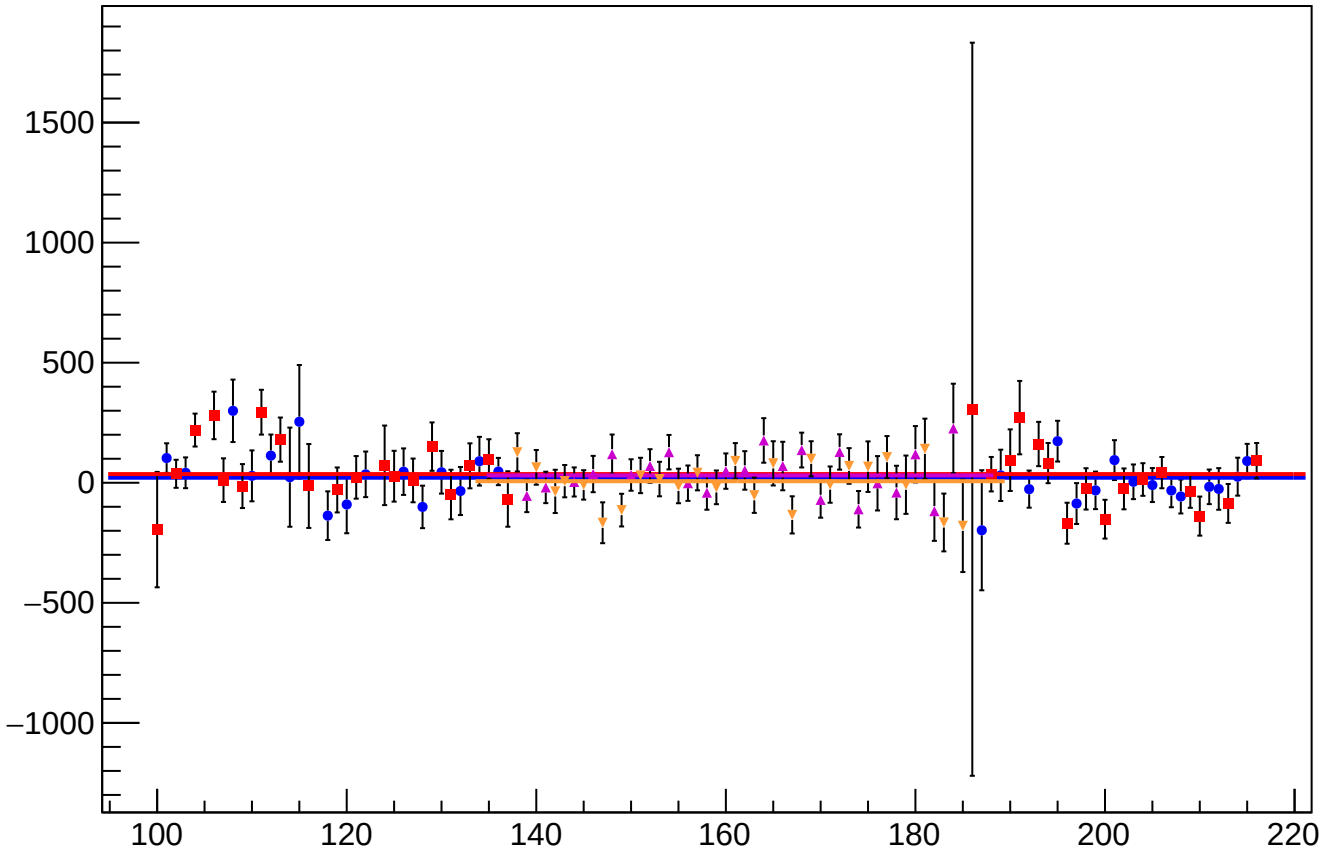
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 143.732+/-0.021 χ^2/NDF: 30482475.1/65

In: 177.122+/-0.026 χ^2/NDF:27204721.0/53

Out: 198.411+/-0.027 χ^2/NDF:22601810.1/59

All: 187.380+/-0.019 χ^2/NDF: 50132145.5/1



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: 36.168+/-15.029 χ^2/NDF: 54.5/34

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

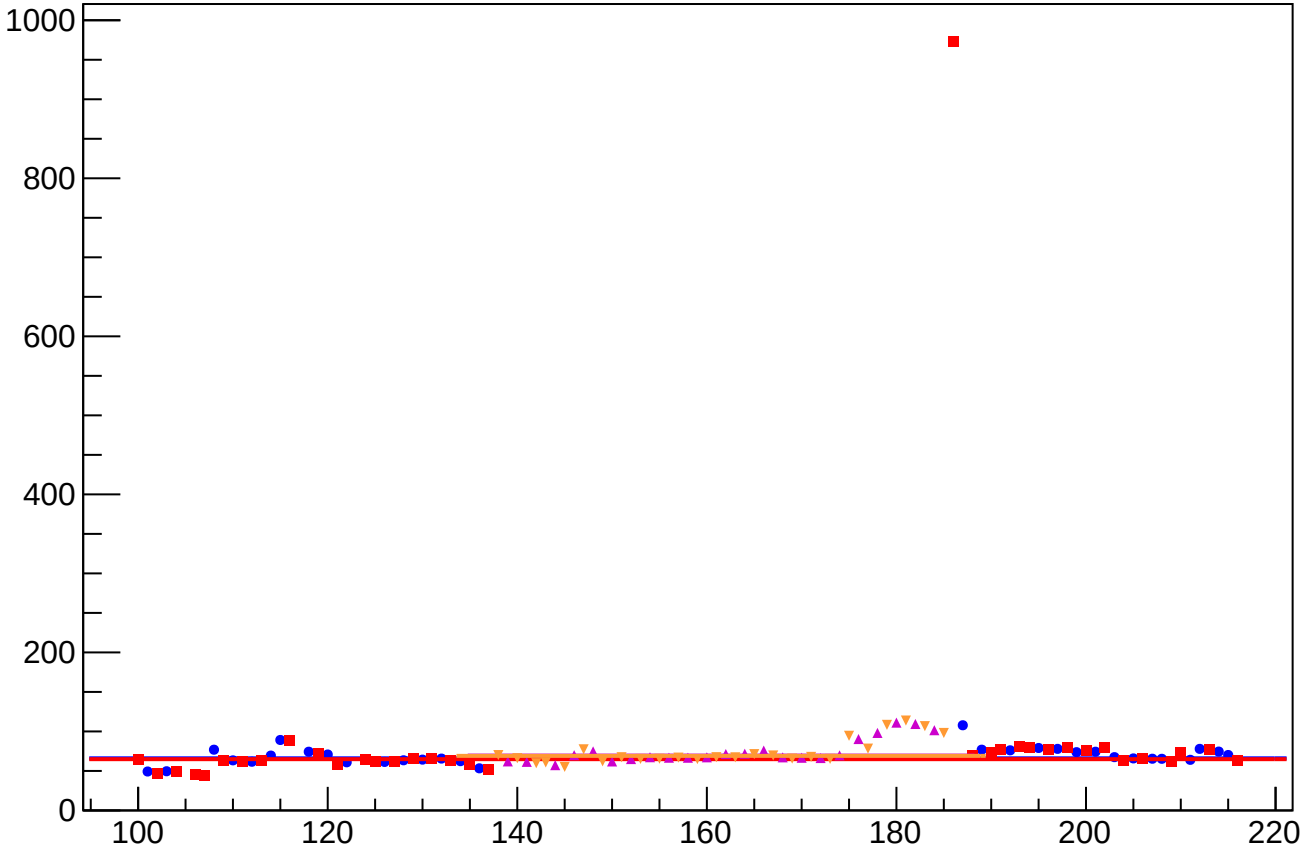
Right: 28.694+/-10.700 χ^2/NDF: 80.6/65

In: 25.453+/-11.195 χ^2/NDF:48.2/53

Out: 22.226+/-10.947 χ^2/NDF:81.4/59

All: 23.803+/-7.827 χ^2/NDF: 129.7/113

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: 64.906+/-0.011 χ^2/NDF: 1710325.3/34

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

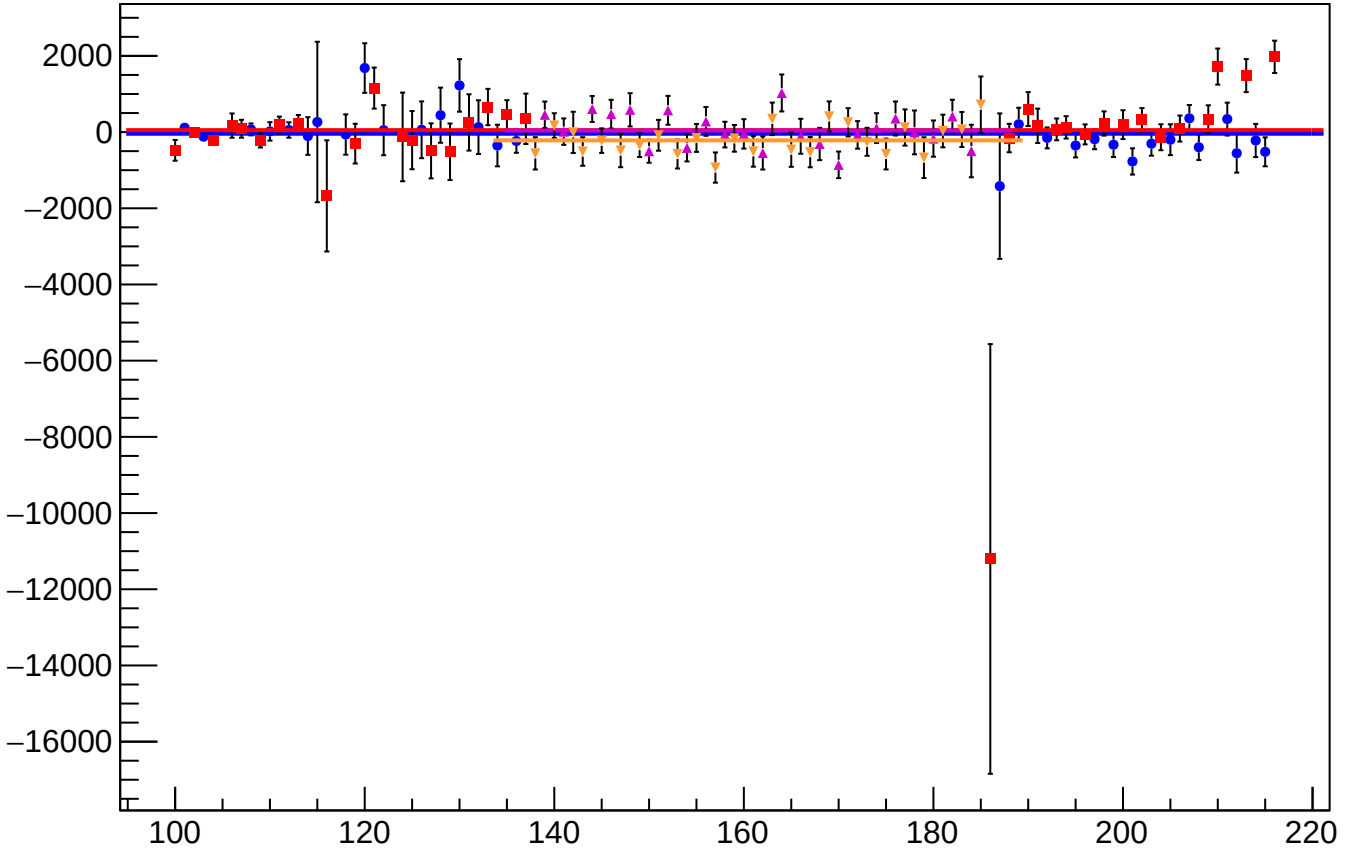
Right: 65.430+/-0.008 χ^2/NDF: 2472921.7/65

In: 67.565+/-0.008 χ^2/NDF:1729922.7/53

Out: 66.865+/-0.008 χ^2/NDF:2856688.7/59

All: 67.207+/-0.006 χ^2/NDF: 4590606.5/113

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: 50.917+/-45.831 χ^2/NDF: 76.9/34

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

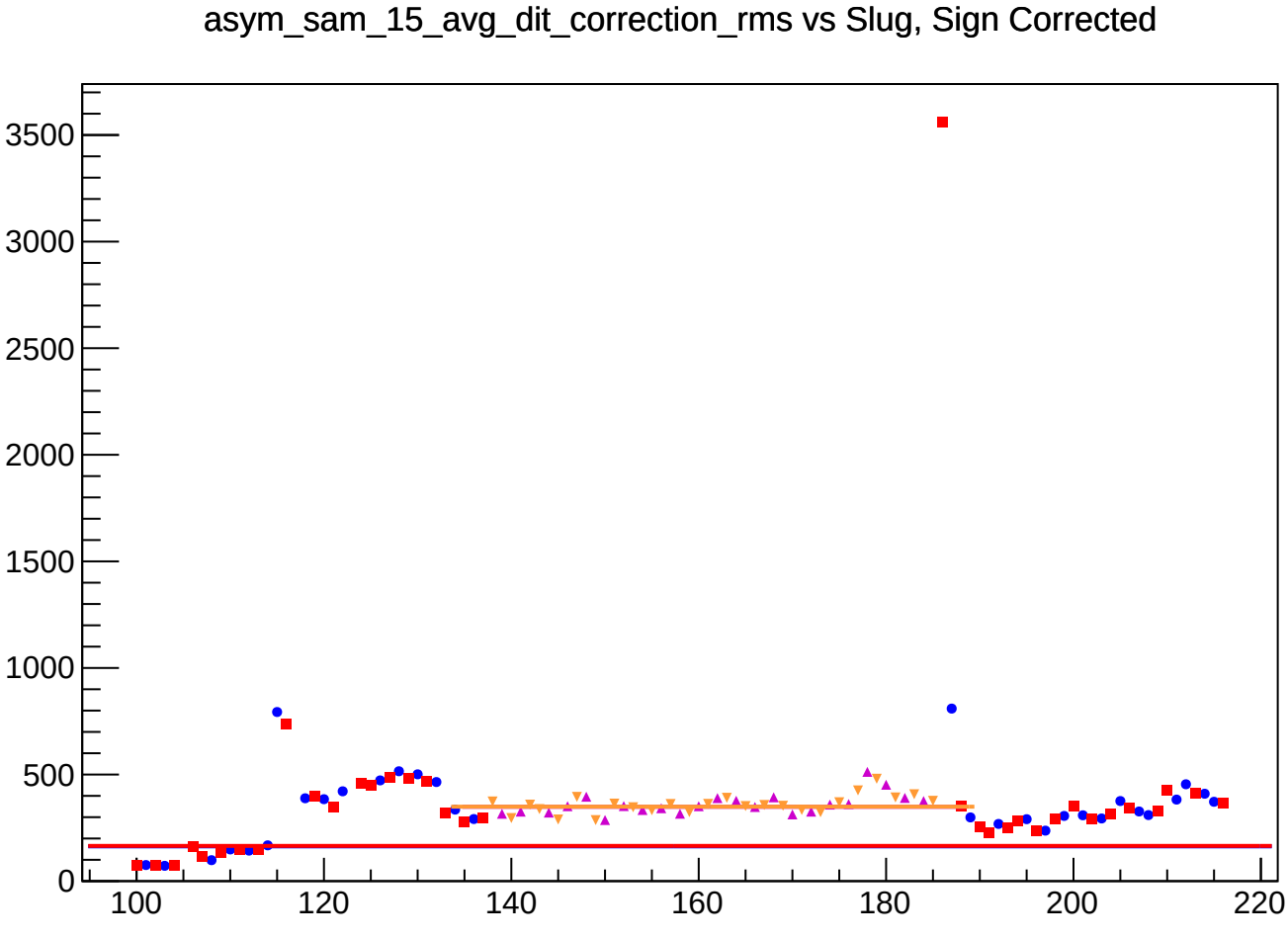
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: 4.545+/-32.607 χ^2/NDF: 109.3/65

In: -22.590+/-40.415 χ^2/NDF:61.2/53

Out: -15.206+/-39.784 χ^2/NDF:104.6/59

All: -18.840+/-28.352 χ^2/NDF: 165.8/113



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: 165.281+/-0.032 χ^2/NDF: 12966255.5/34

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

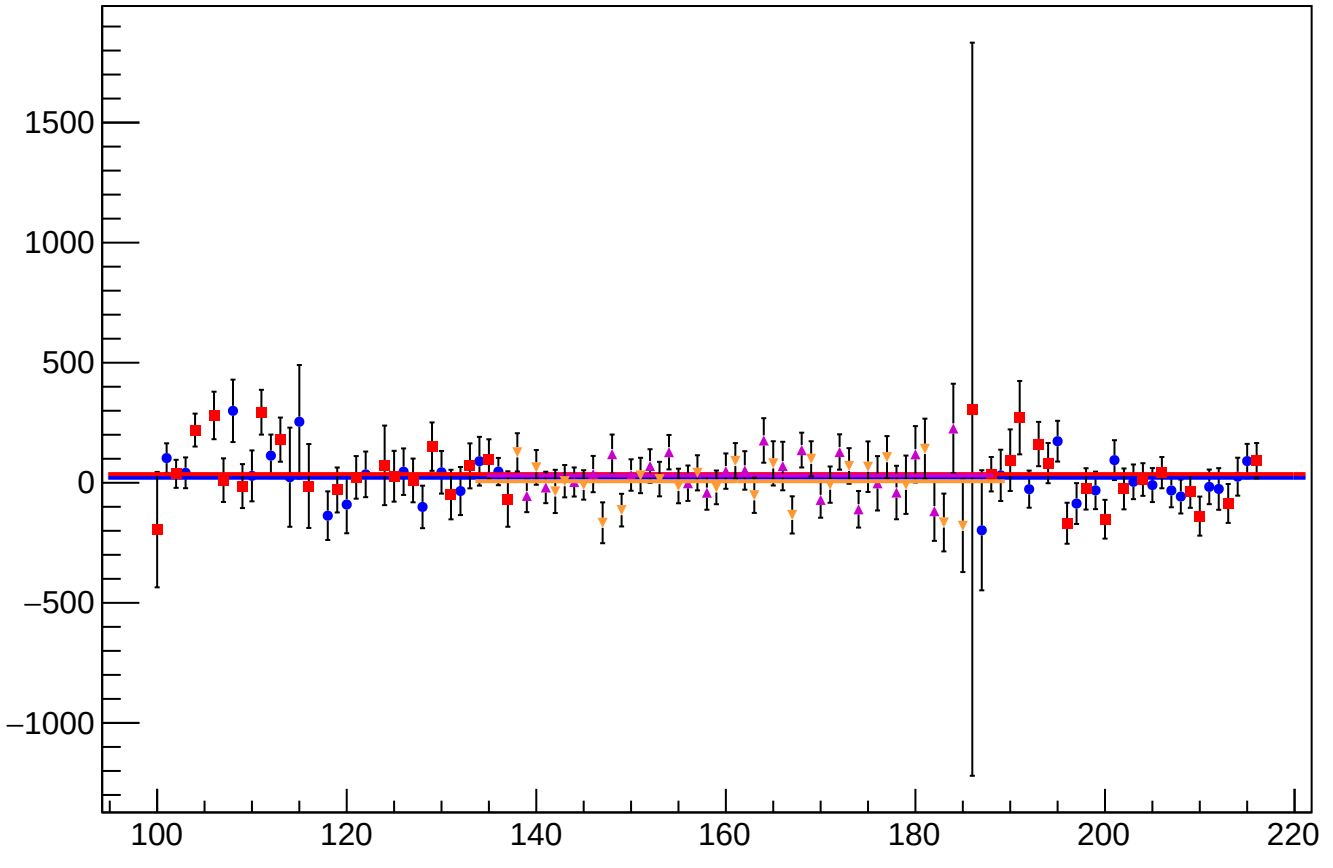
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 164.198+/-0.023 χ^2/NDF: 26430315.3/65

In: 207.861+/-0.029 χ^2/NDF:21701219.7/53

Out: 210.608+/-0.028 χ^2/NDF:21427061.7/59

All: 209.256+/-0.020 χ^2/NDF: 43132974.1/11



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: 36.167+/-15.029 χ^2/NDF: 54.5/34

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

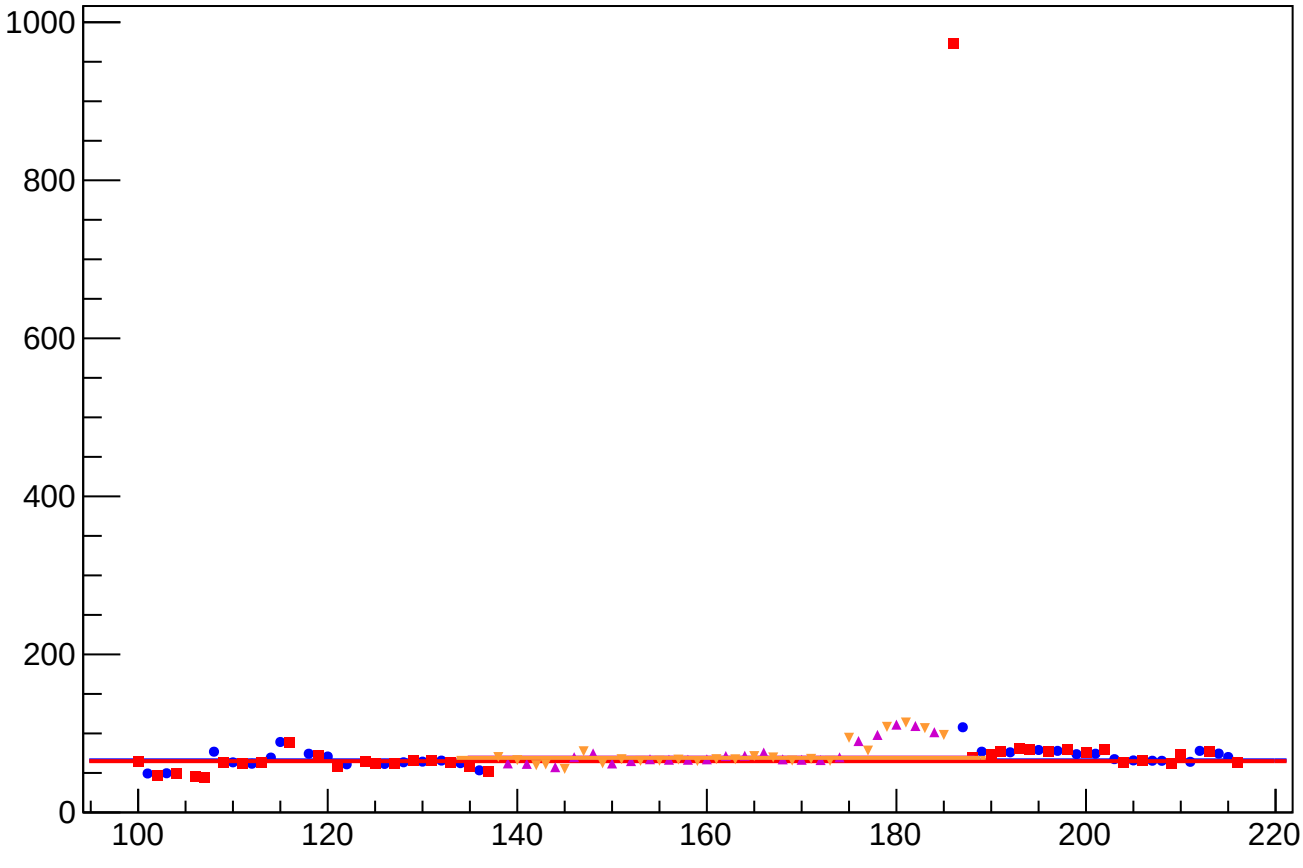
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 28.694+/-10.700 χ^2/NDF: 80.6/65

In: 25.453+/-11.195 χ^2/NDF:48.2/53

Out: 22.226+/-10.947 χ^2/NDF:81.4/59

All: 23.803+/-7.827 χ^2/NDF: 129.7/113



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: 64.906+/-0.011 χ^2/NDF: 1710323.9/34

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

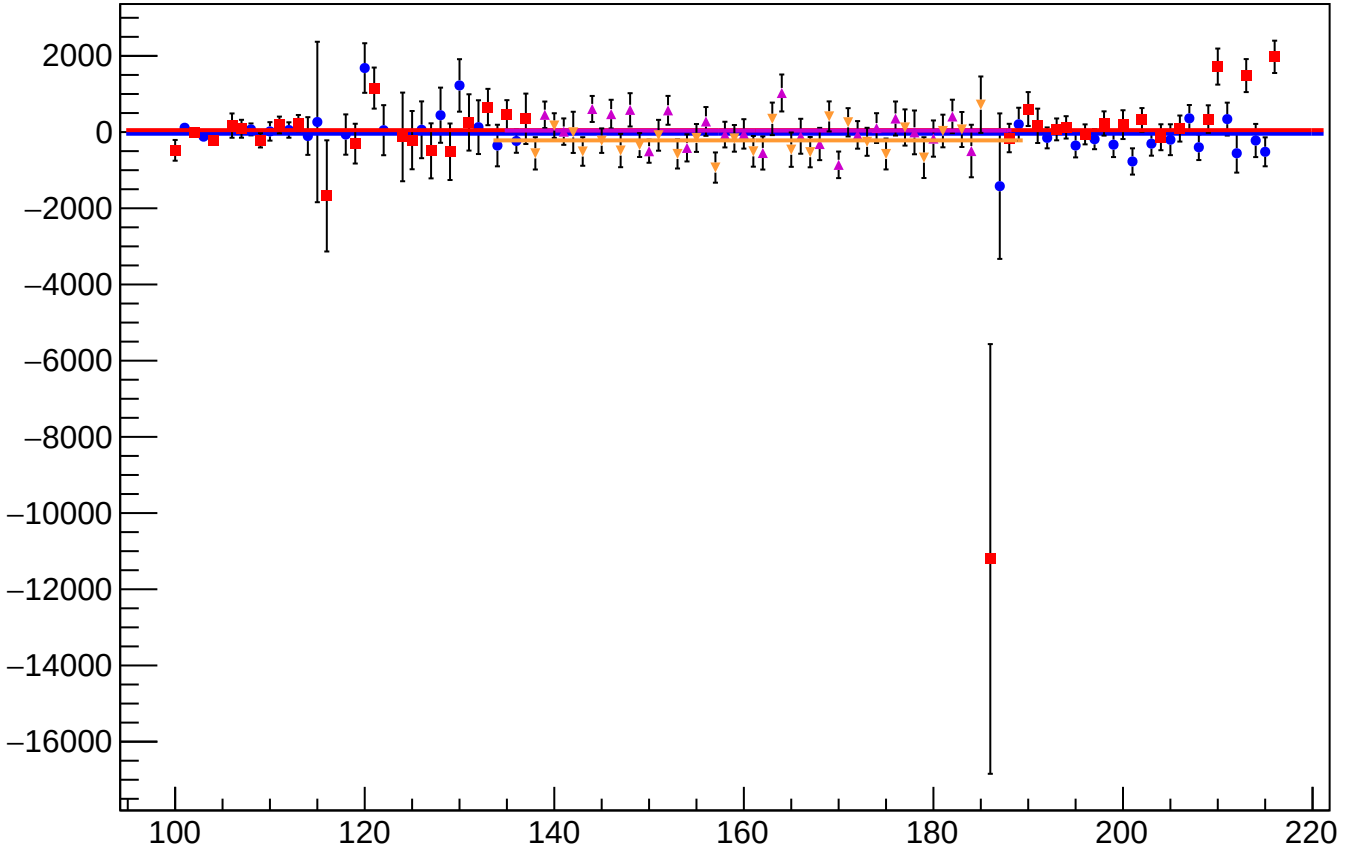
Right: 65.430+/-0.008 χ^2/NDF: 2472918.4/65

In: 67.565+/-0.008 χ^2/NDF:1729910.9/53

Out: 66.865+/-0.008 χ^2/NDF:2856675.7/59

All: 67.207+/-0.006 χ^2/NDF: 4590582.3/113

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: 50.917+/-45.831 χ^2/NDF: 76.9/34

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

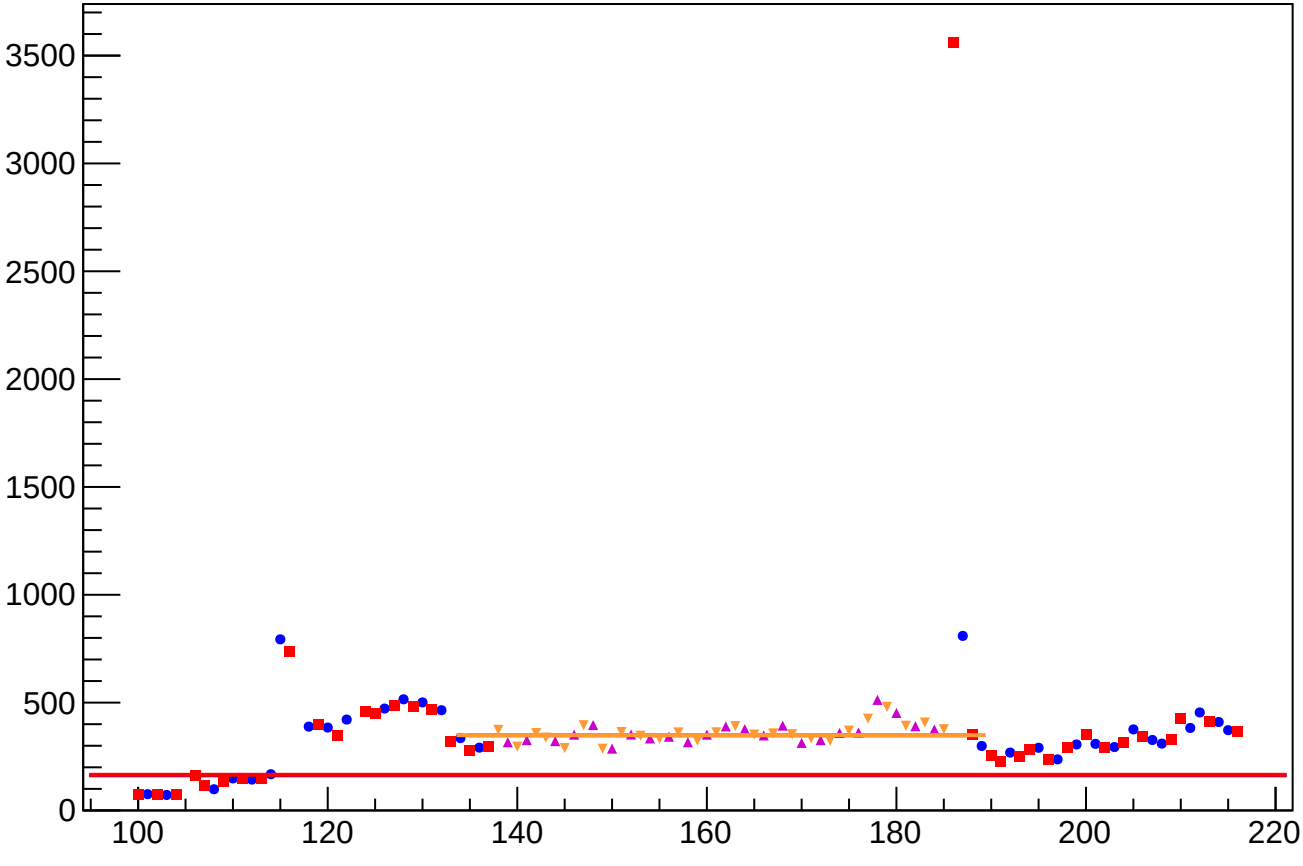
Right: 4.545+/-32.607 χ^2/NDF: 109.3/65

In: -22.590+/-40.415 χ^2/NDF:61.2/53

Out: -15.205+/-39.784 χ^2/NDF:104.6/59

All: -18.840+/-28.352 χ^2/NDF: 165.8/113

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: 165.280+/-0.032 χ^2/NDF: 12966294.3/34

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

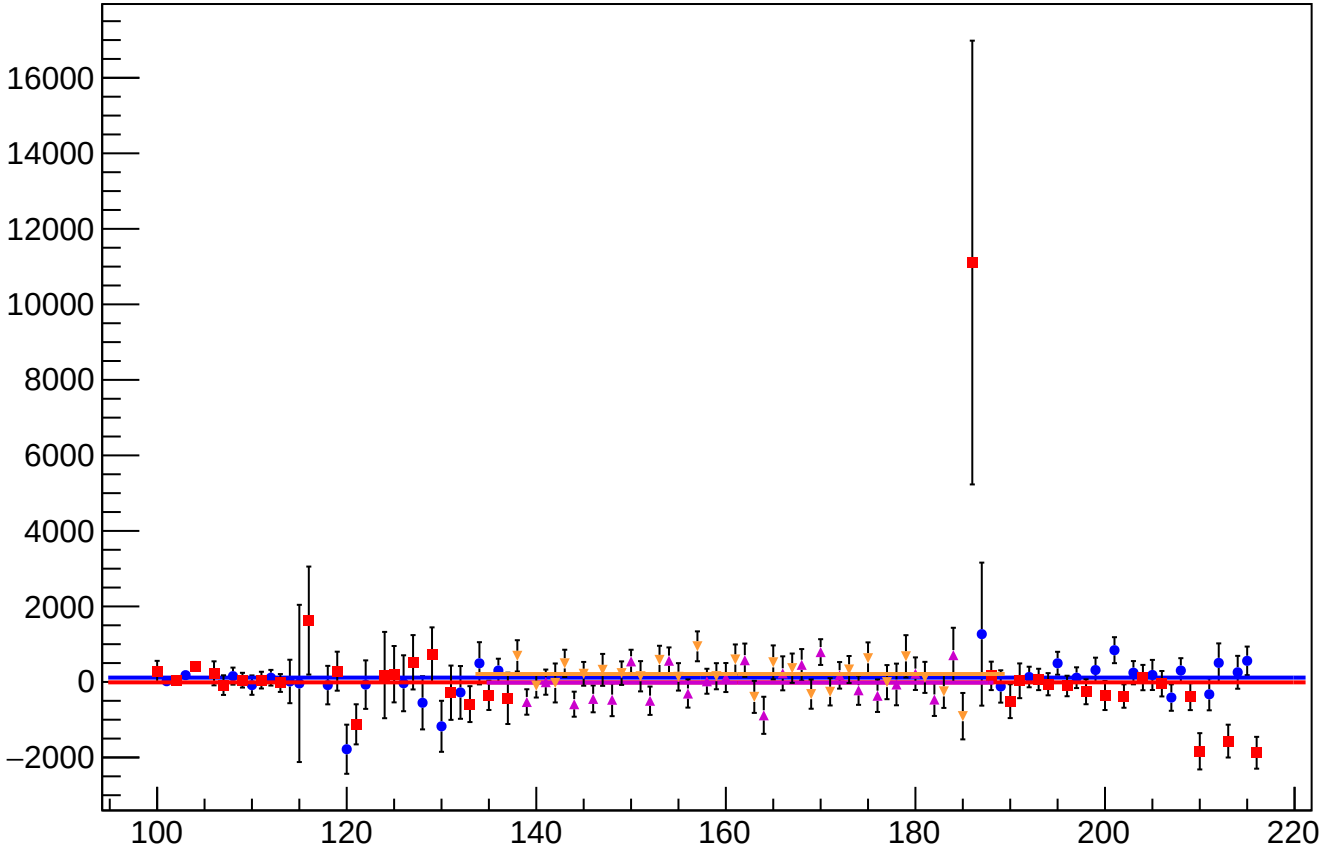
Right: 164.198+/-0.023 χ^2/NDF: 26430371.4/65

In: 207.861+/-0.029 χ^2/NDF:21701293.9/53

Out: 210.608+/-0.028 χ^2/NDF:21427166.8/59

All: 209.256+/-0.020 χ^2/NDF: 43133152.9/11

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: -10.942+/-48.825 χ^2/NDF: 82.3/34

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

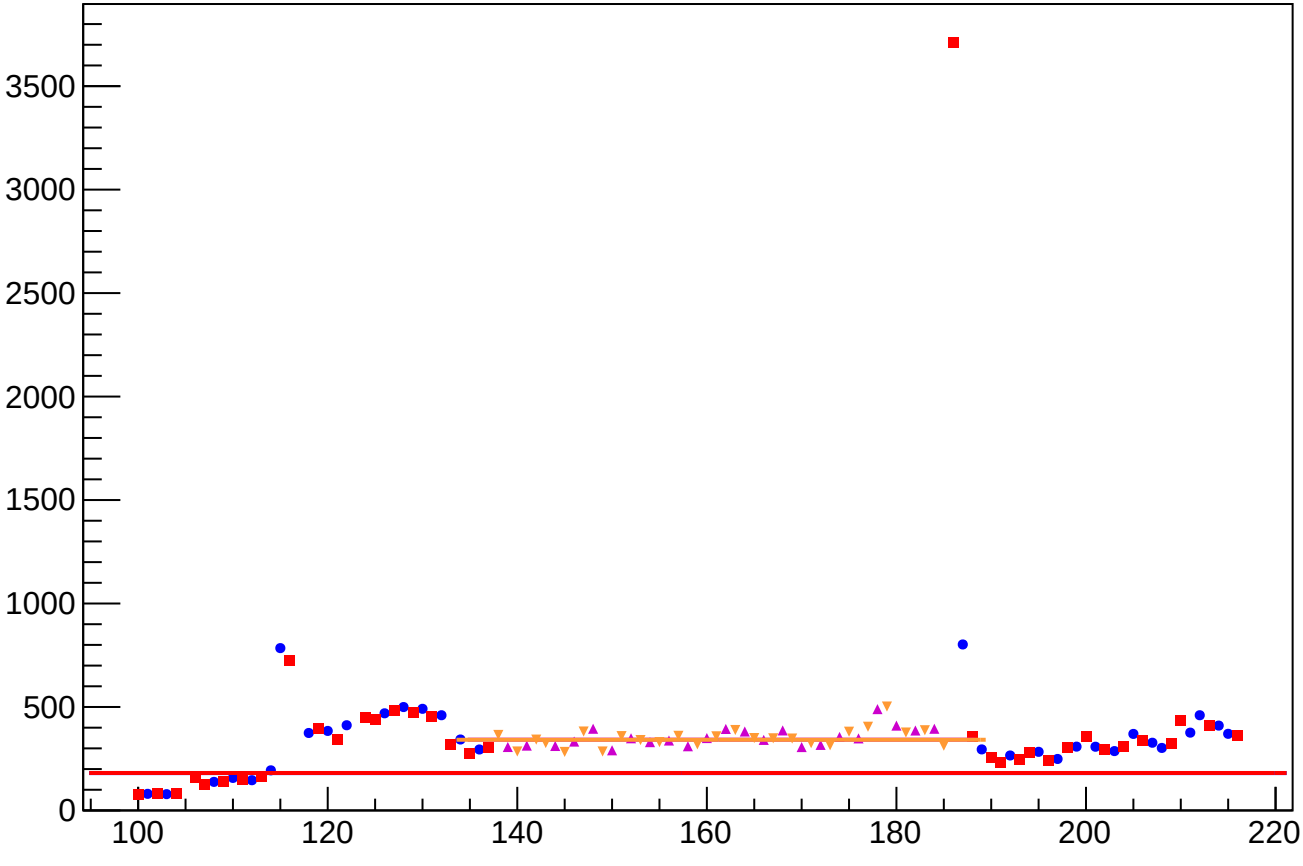
Right: 50.601+/-34.879 χ^2/NDF: 115.0/65

In: 77.879+/-42.407 χ^2/NDF:63.4/53

Out: 50.626+/-41.462 χ^2/NDF:109.5/59

All: 63.945+/-29.647 χ^2/NDF: 173.1/113

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: 181.102+/-0.035 χ^2/NDF: 11377876.3/34

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

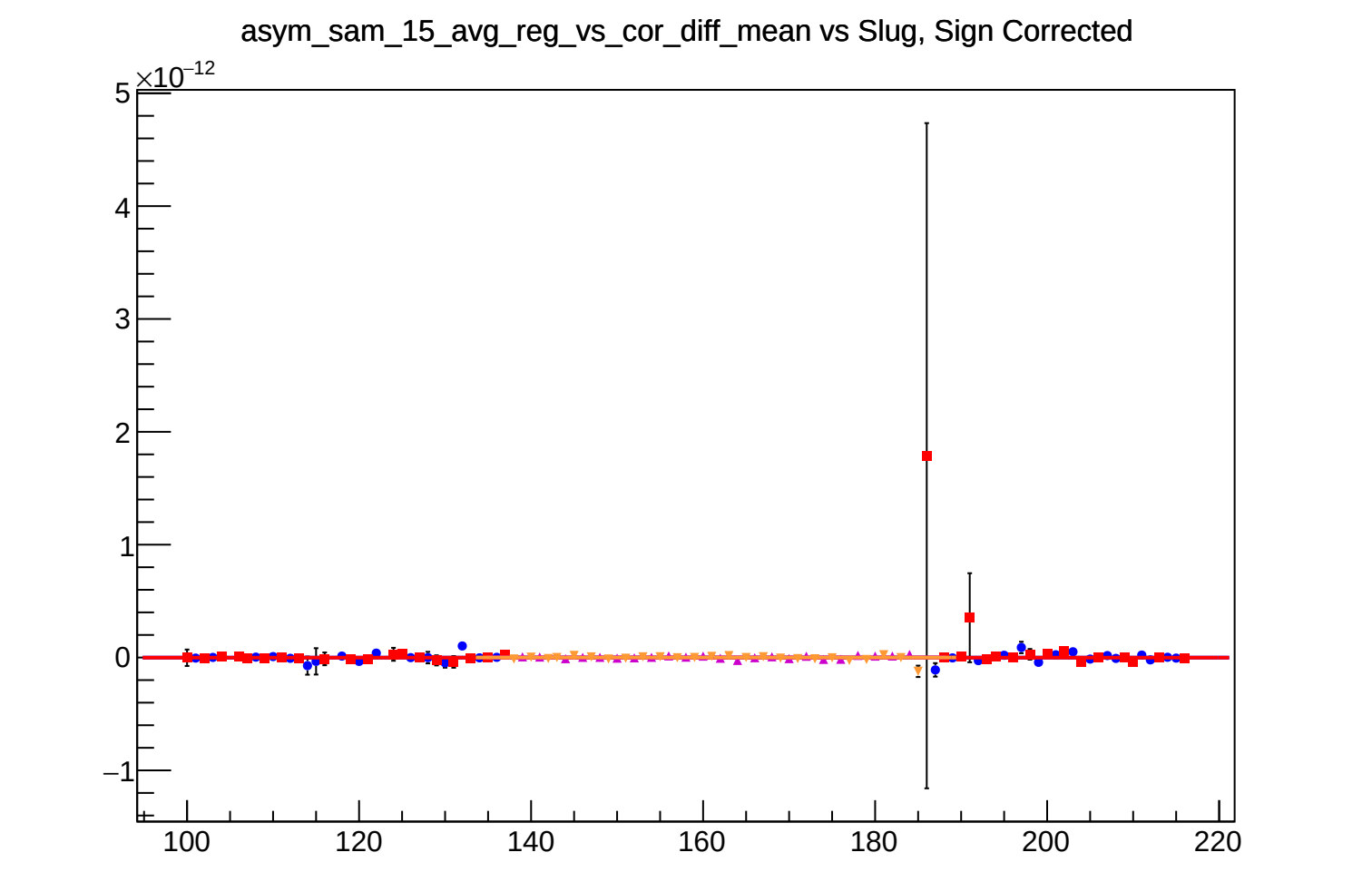
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 180.825+/-0.025 χ^2/NDF: 23155580.1/65

In: 225.109+/-0.030 χ^2/NDF:18054472.1/53

Out: 225.859+/-0.029 χ^2/NDF:17958102.6/59

All: 225.492+/-0.021 χ^2/NDF: 36012894.5/11



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/34

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

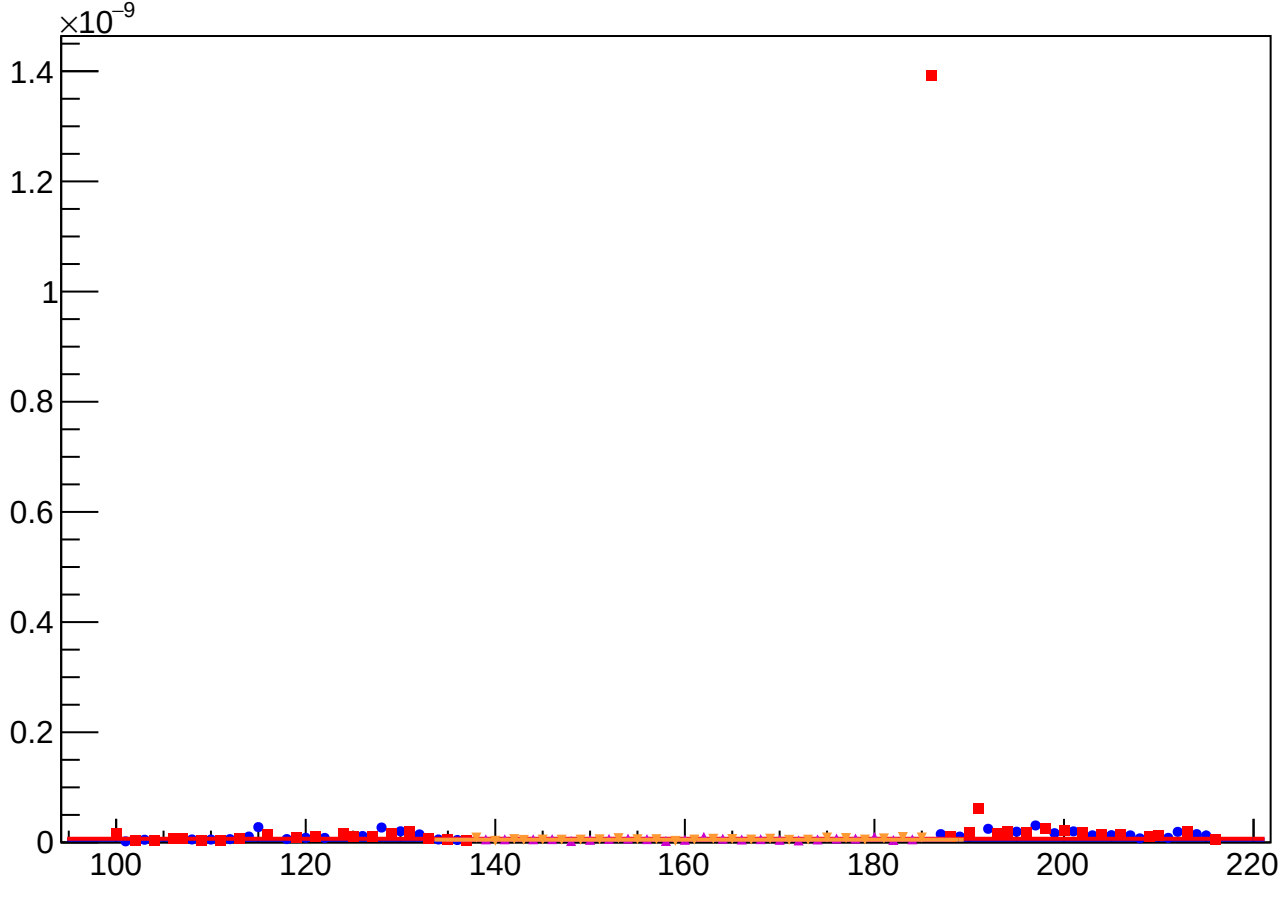
Right: -0.000+/-0.000 χ^2/NDF: 63.0/65

In: 0.000+/-0.000 χ^2/NDF:58.9/53

Out: -0.000+/-0.000 χ^2/NDF:53.7/59

All: 0.000+/-0.000 χ^2/NDF: 112.7/113

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 5687092.0/34

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

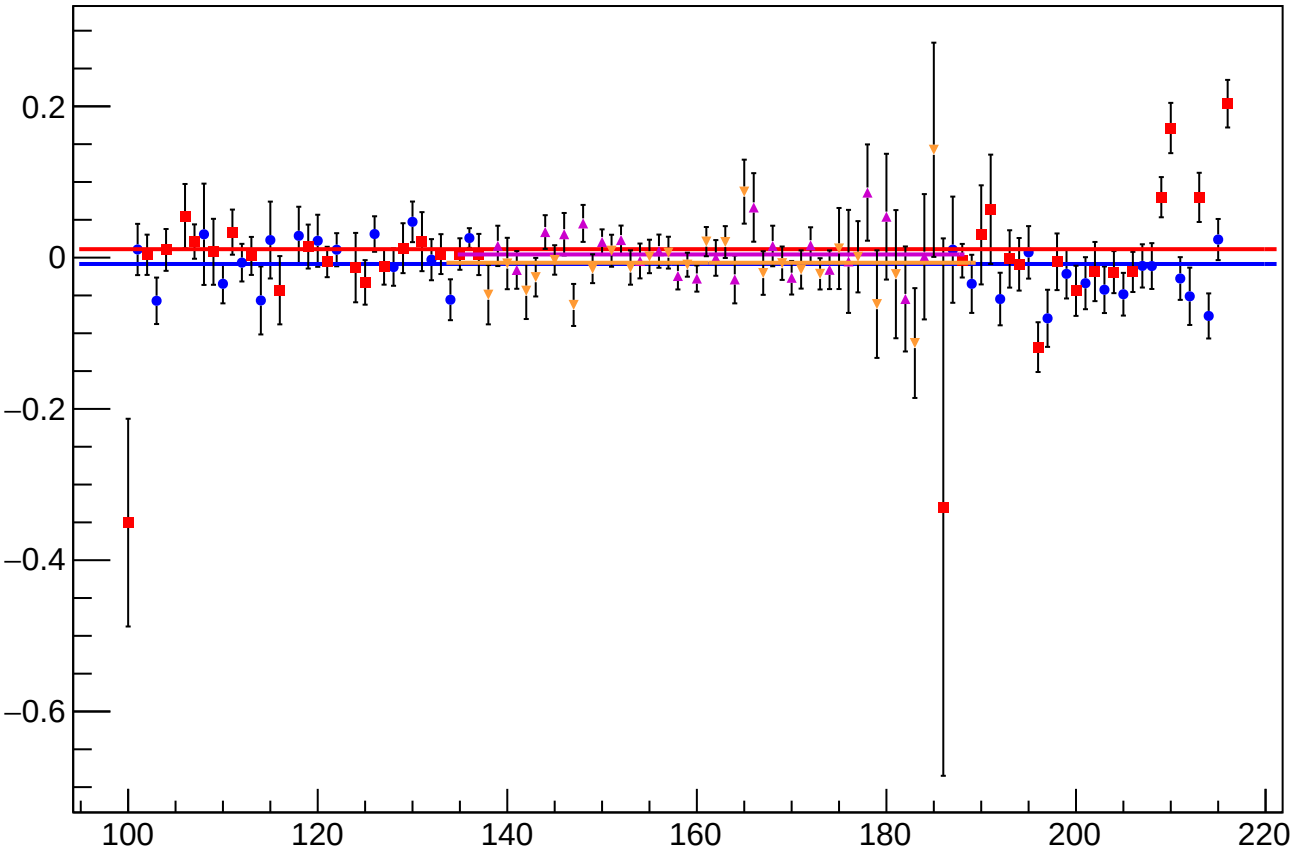
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13412414.5/65

In: 0.000+/-0.000 χ^2/NDF:8571088.7/53

Out: 0.000+/-0.000 χ^2/NDF:7438413.5/59

All: 0.000+/-0.000 χ^2/NDF: 16131136.5/113



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: 0.011+/-0.005 χ^2/NDF: 110.6/34

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

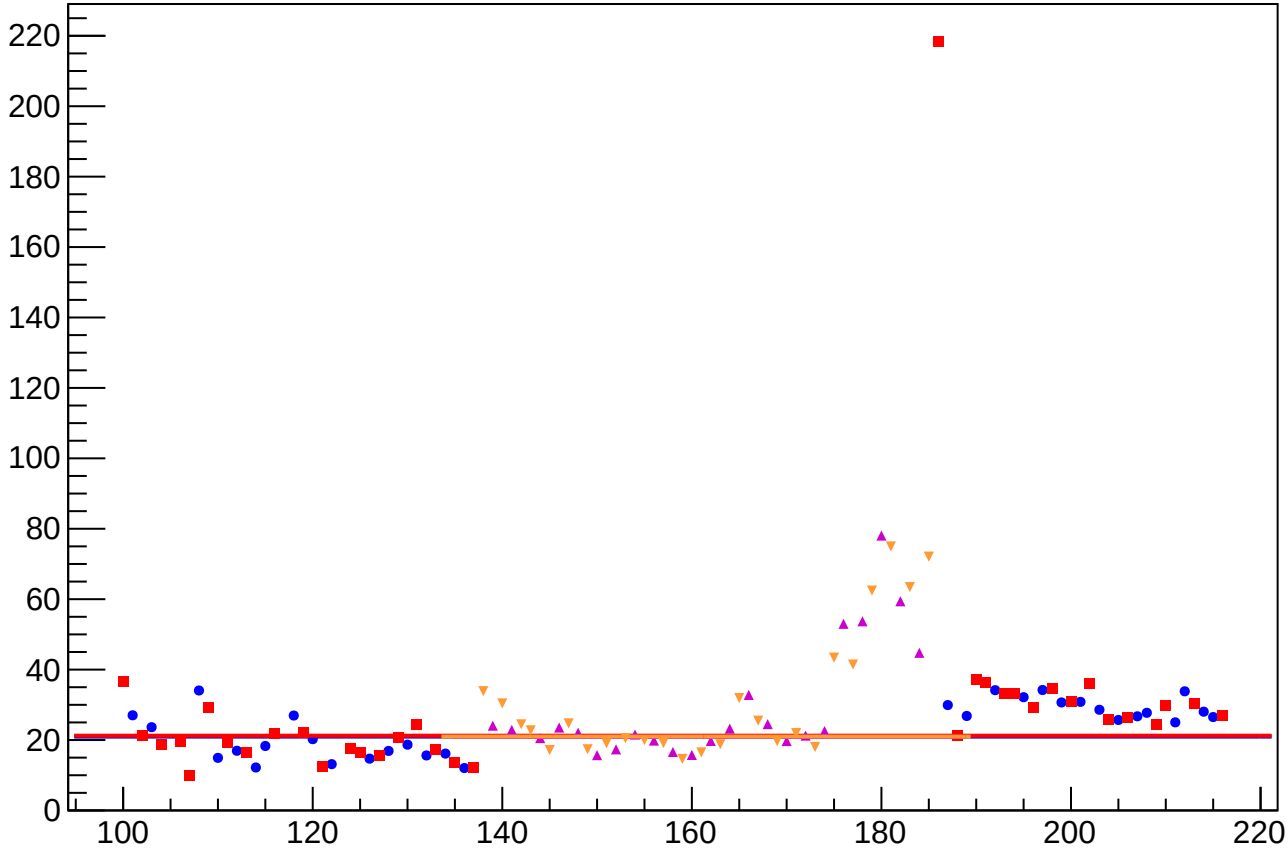
Right: 0.001+/-0.004 χ^2/NDF: 161.7/65

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: 0.002+/-0.004 χ^2/NDF:138.3/59

All: -0.000+/-0.003 χ^2/NDF: 209.1/113

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: 21.230+/-0.004 χ^2/NDF: 4381749.3/34

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

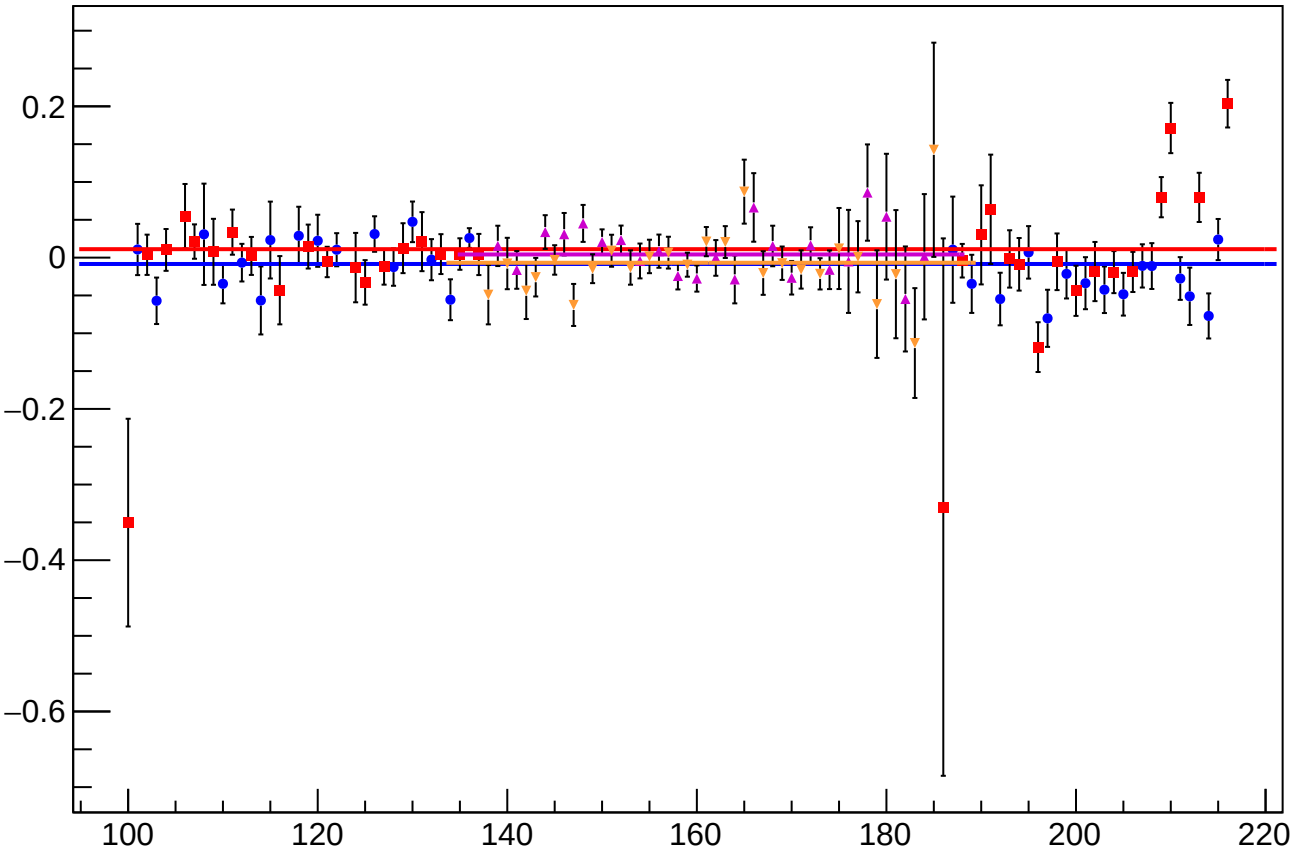
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.105+/-0.003 χ^2/NDF: 8368117.8/65

In: 20.926+/-0.003 χ^2/NDF:7519431.3/53

Out: 21.106+/-0.003 χ^2/NDF:8851056.3/59

All: 21.016+/-0.002 χ^2/NDF: 16372857.2/113



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: 0.011+/-0.005 χ^2/NDF: 110.6/34

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

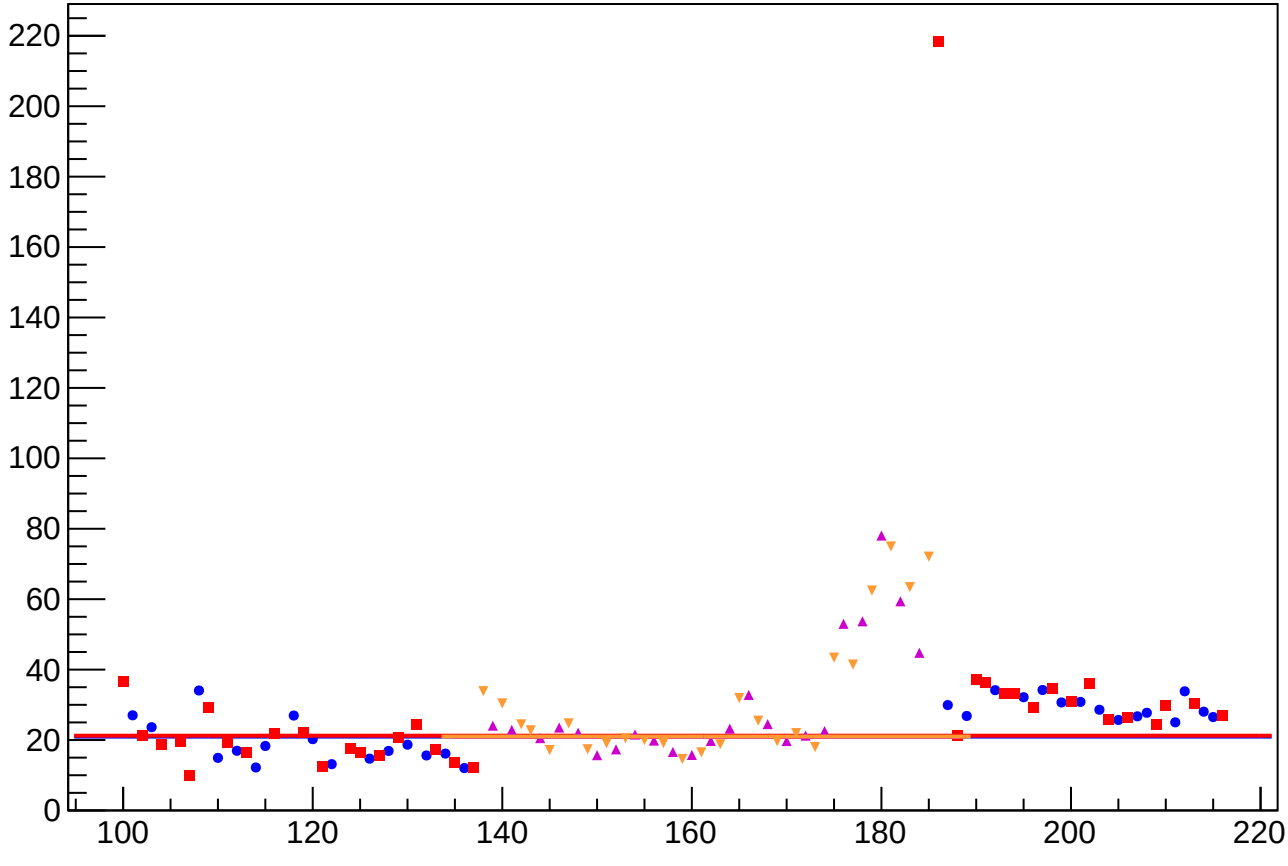
Right: 0.001+/-0.004 χ^2/NDF: 161.7/65

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: 0.002+/-0.004 χ^2/NDF:138.3/59

All: -0.000+/-0.003 χ^2/NDF: 209.1/113

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: 21.230+/-0.004 χ^2/NDF: 4381749.3/34

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

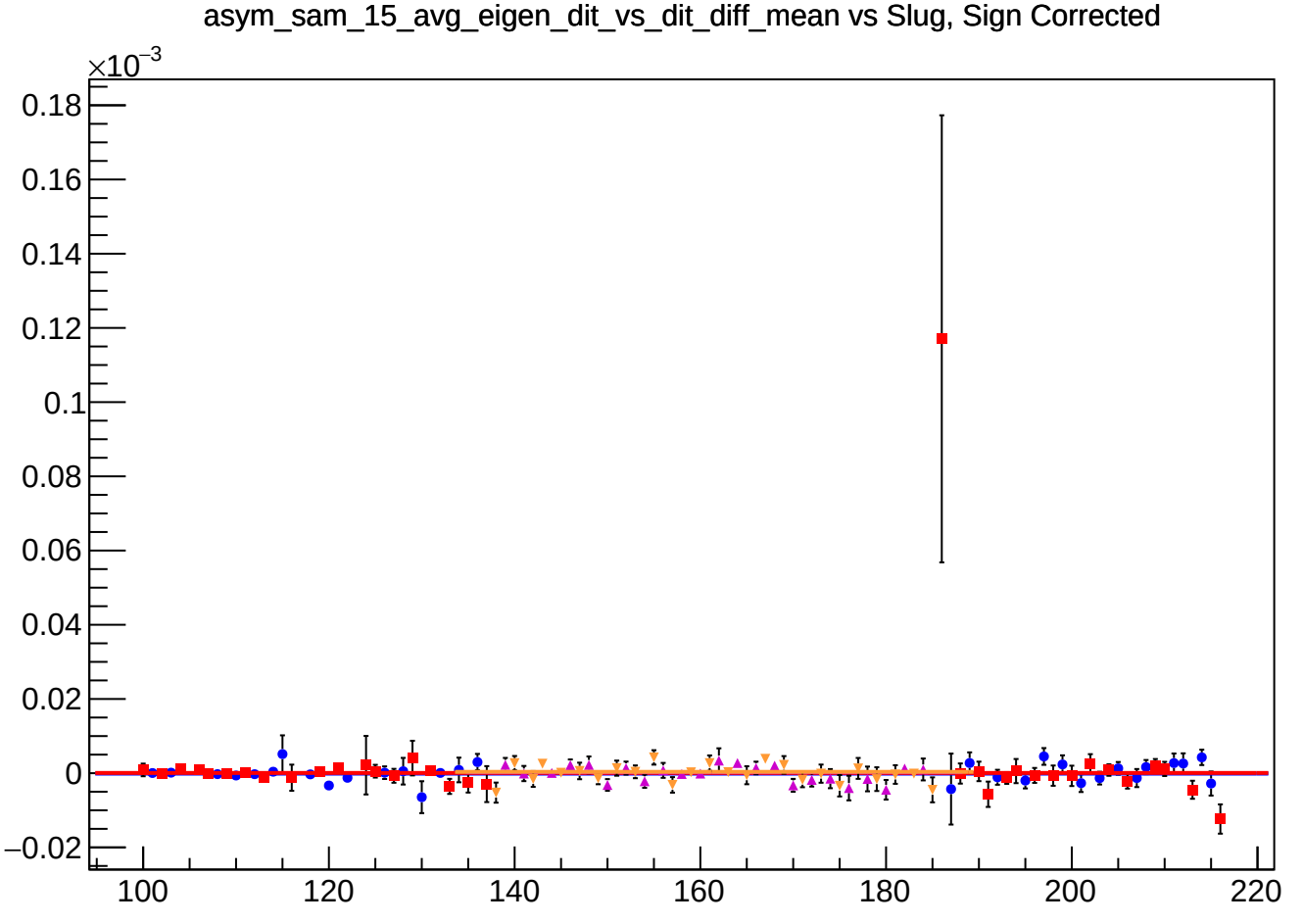
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 21.105+/-0.003 χ^2/NDF: 8368117.8/65

In: 20.926+/-0.003 χ^2/NDF:7519431.3/53

Out: 21.106+/-0.003 χ^2/NDF:8851056.3/59

All: 21.016+/-0.002 χ^2/NDF: 16372857.2/113



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: 45.0/34

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

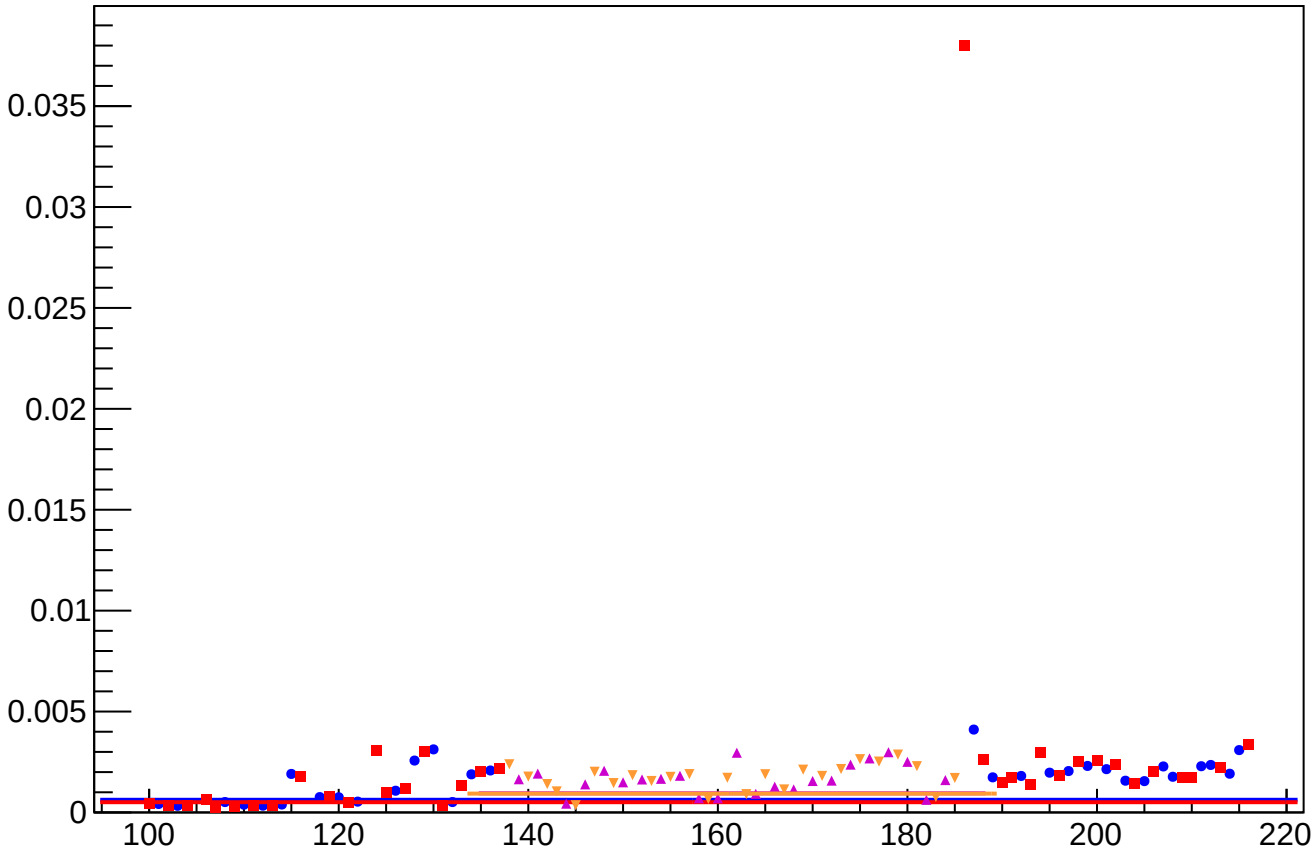
Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 78.3/65

In: 0.000+/-0.000 χ^2/NDF:65.8/53

Out: 0.000+/-0.000 χ^2/NDF:80.1/59

All: 0.000+/-0.000 χ^2/NDF: 146.3/113



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: 19011623.7/34

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

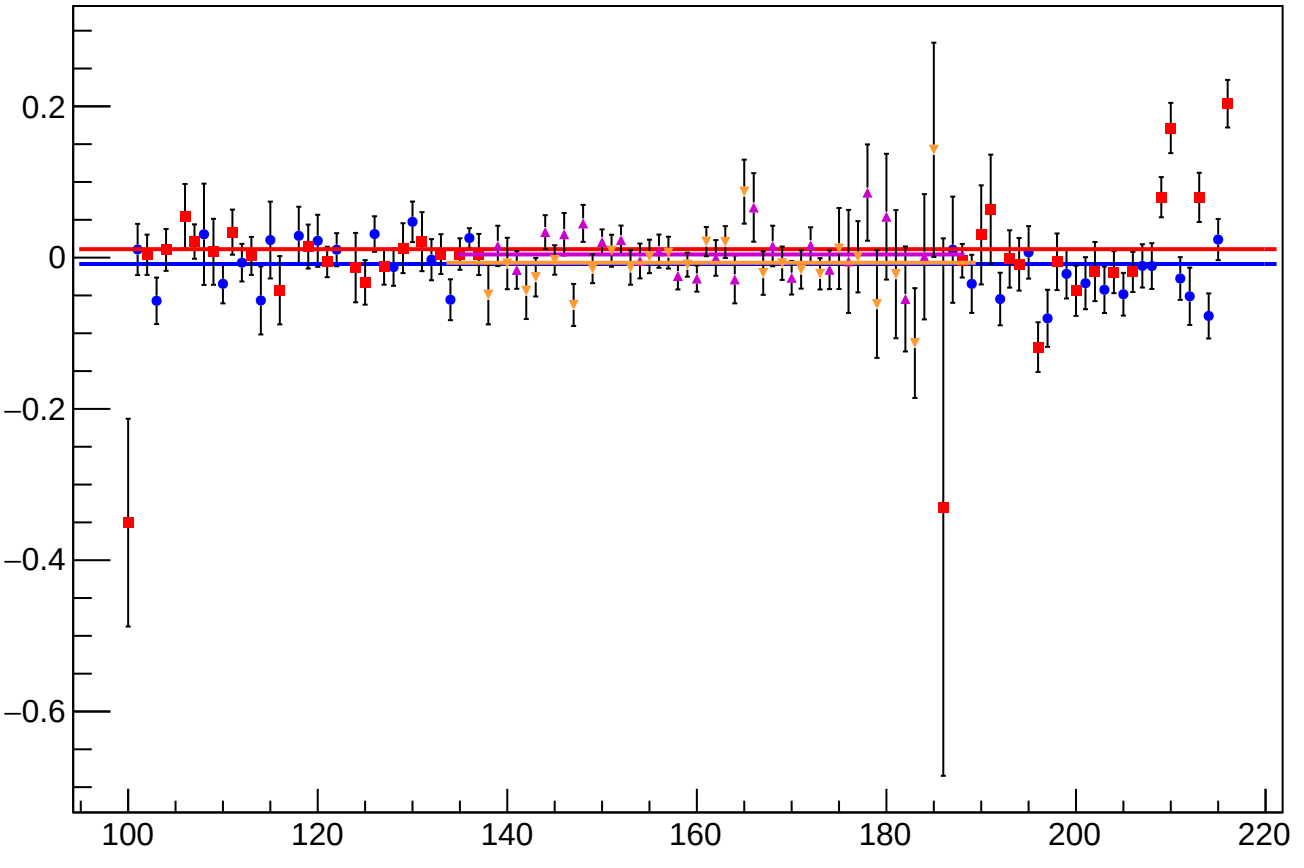
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 35688872.4/65

In: 0.001+/-0.000 χ^2/NDF:27622884.0/53

Out: 0.001+/-0.000 χ^2/NDF:34780684.5/59

All: 0.001+/-0.000 χ^2/NDF: 62970823.9/113



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: 0.011+/-0.005 χ^2/NDF: 110.6/34

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

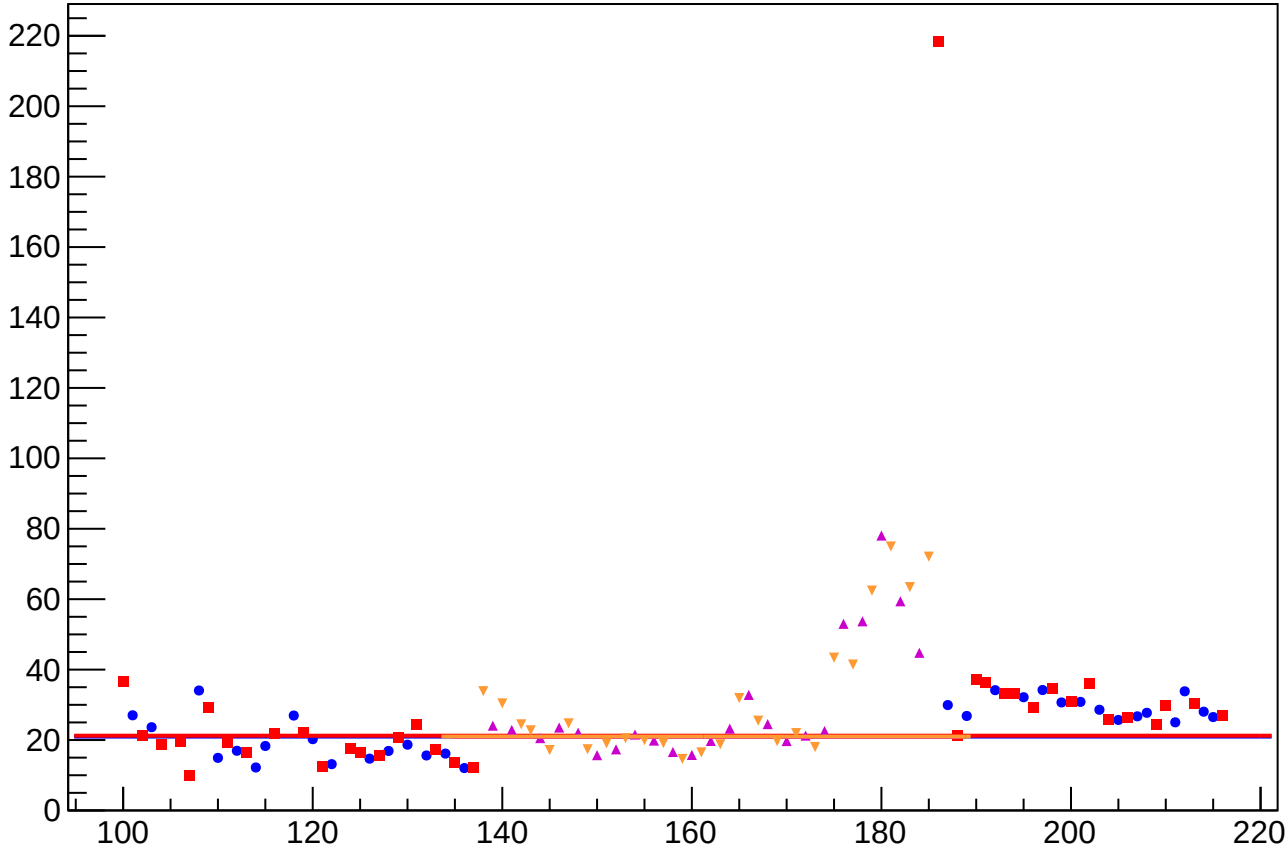
Right: 0.001+/-0.004 χ^2/NDF: 161.7/65

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: 0.002+/-0.004 χ^2/NDF:138.3/59

All: -0.000+/-0.003 χ^2/NDF: 209.1/113

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: 21.230+/-0.004 χ^2/NDF: 4381753.7/34

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

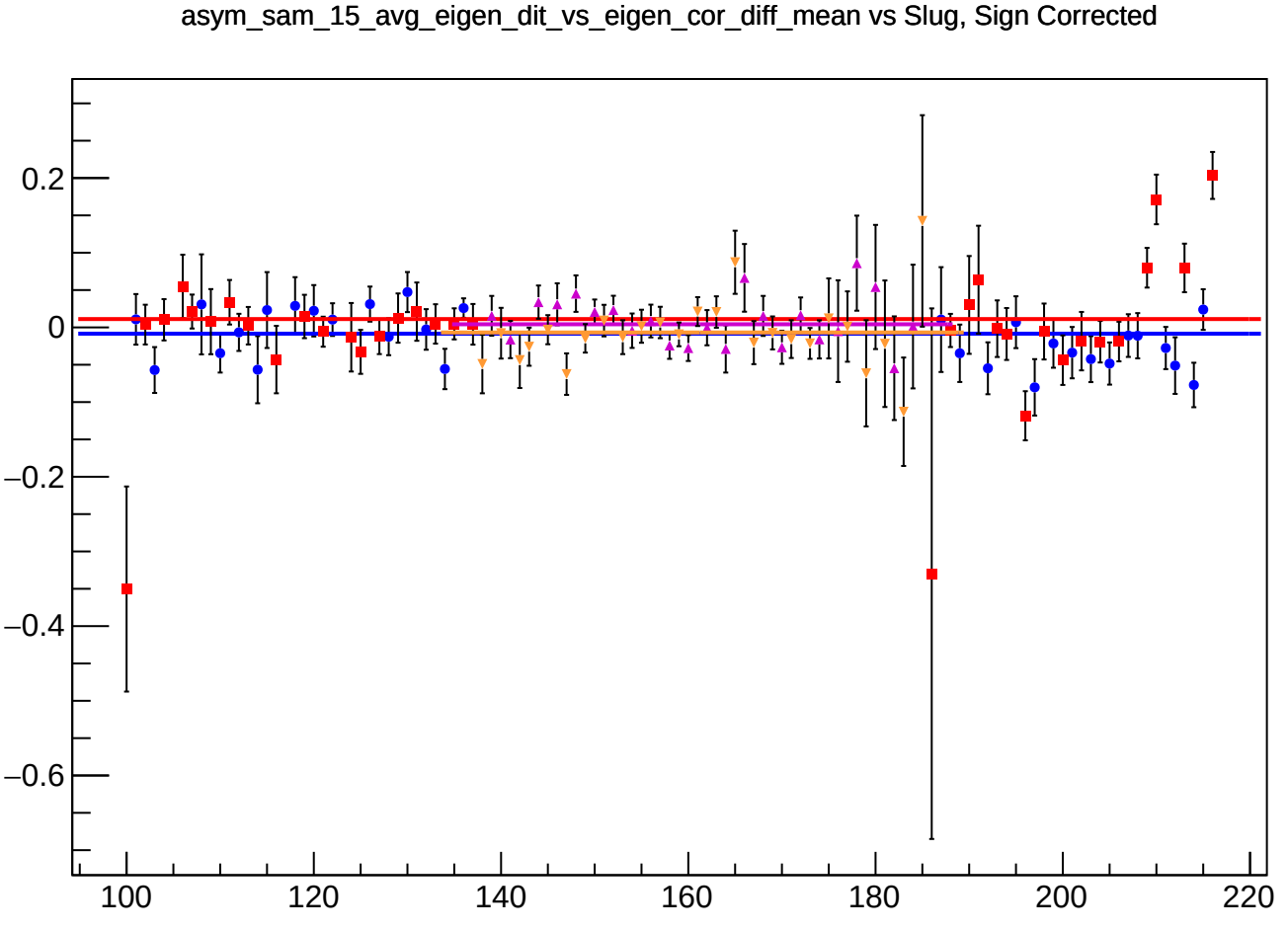
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.105+/-0.003 χ^2/NDF: 8368118.4/65

In: 20.926+/-0.003 χ^2/NDF:7519472.6/53

Out: 21.106+/-0.003 χ^2/NDF:8851026.0/59

All: 21.016+/-0.002 χ^2/NDF: 16372868.1/113



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: 0.011+/-0.005 χ^2/NDF: 110.6/34

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

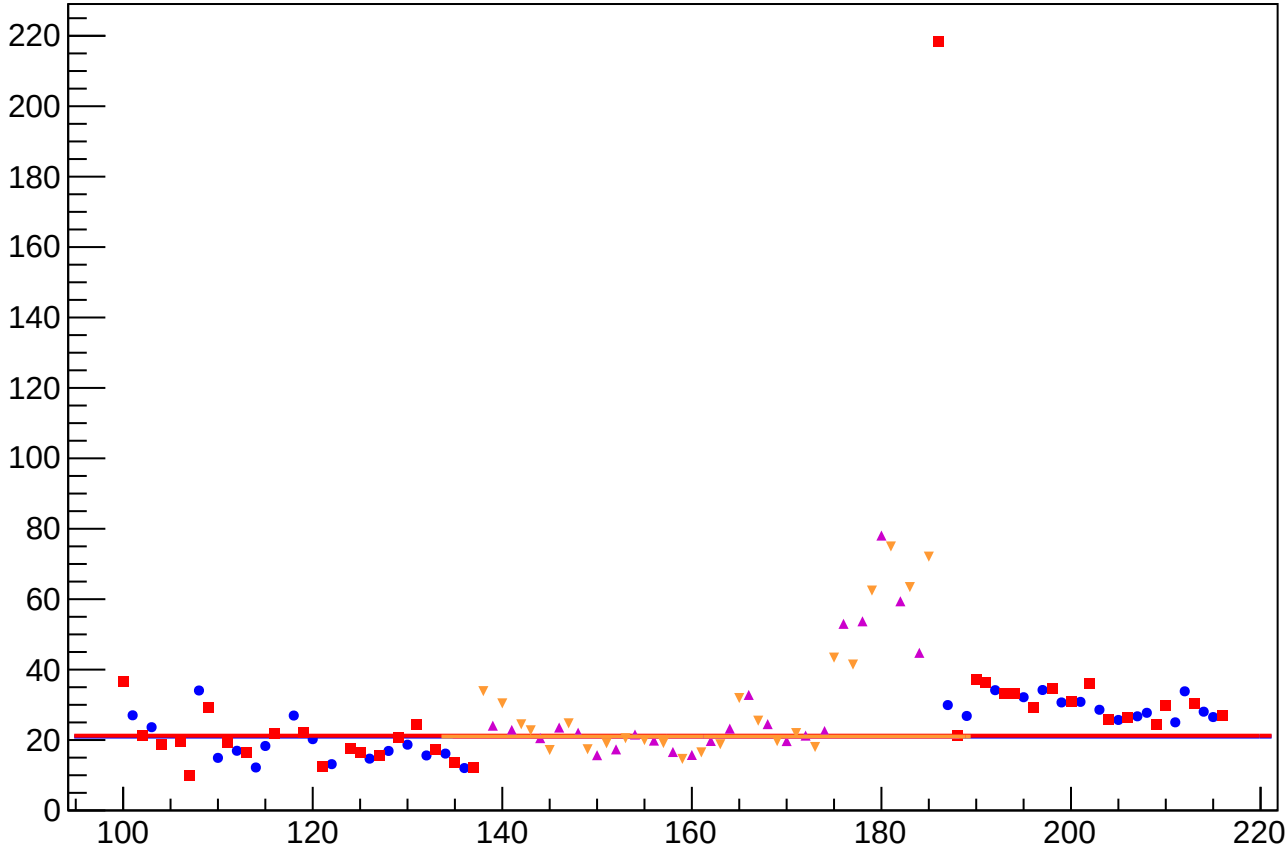
Right: 0.001+/-0.004 χ^2/NDF: 161.7/65

In: -0.002+/-0.004 χ^2/NDF:70.0/53

Out: 0.002+/-0.004 χ^2/NDF:138.3/59

All: -0.000+/-0.003 χ^2/NDF: 209.1/113

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: 21.230+/-0.004 χ^2/NDF: 4381753.7/34

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

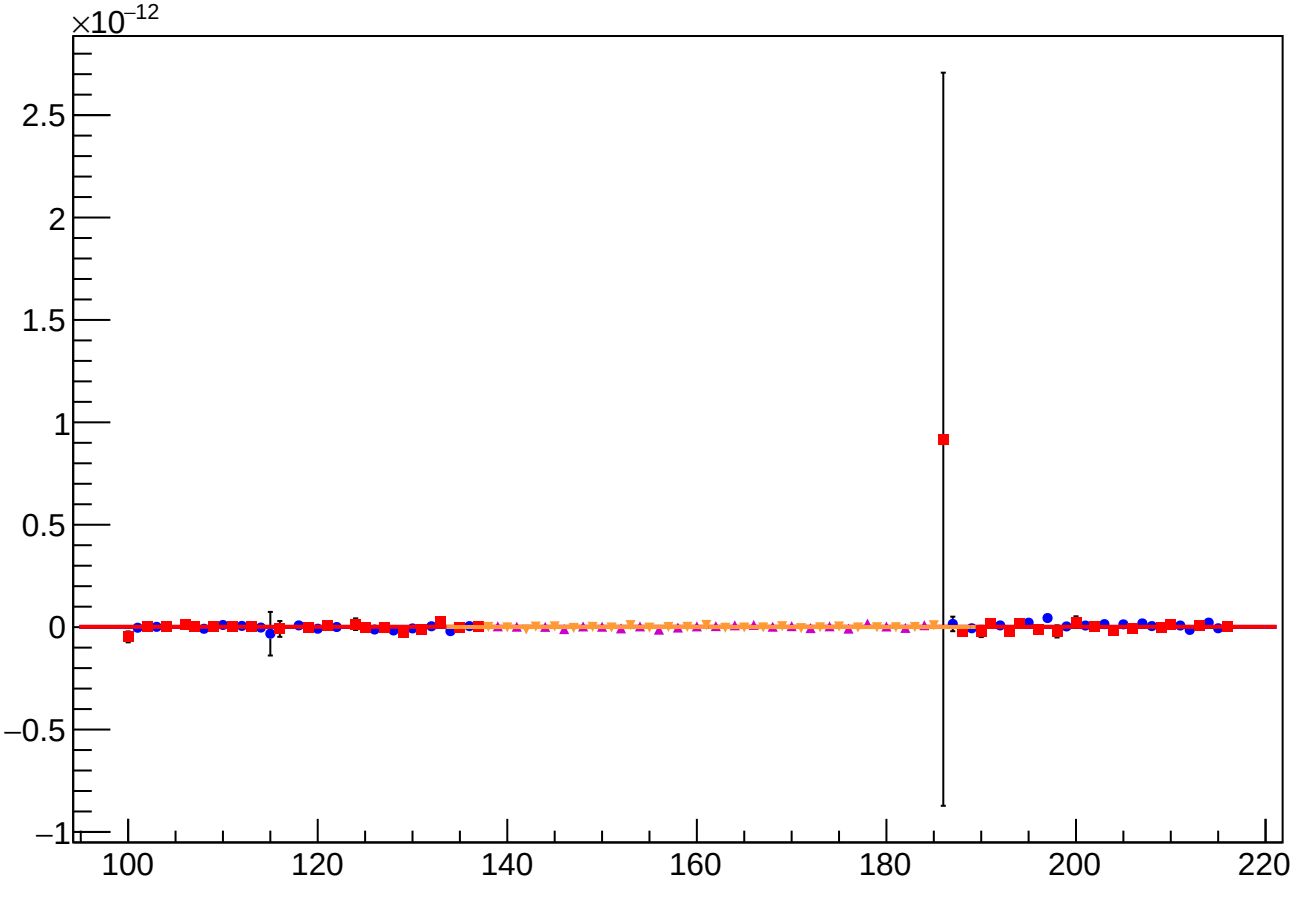
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 21.105+/-0.003 χ^2/NDF: 8368118.4/65

In: 20.926+/-0.003 χ^2/NDF:7519472.6/53

Out: 21.106+/-0.003 χ^2/NDF:8851026.0/59

All: 21.016+/-0.002 χ^2/NDF: 16372868.1/113



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: 26.9/34

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

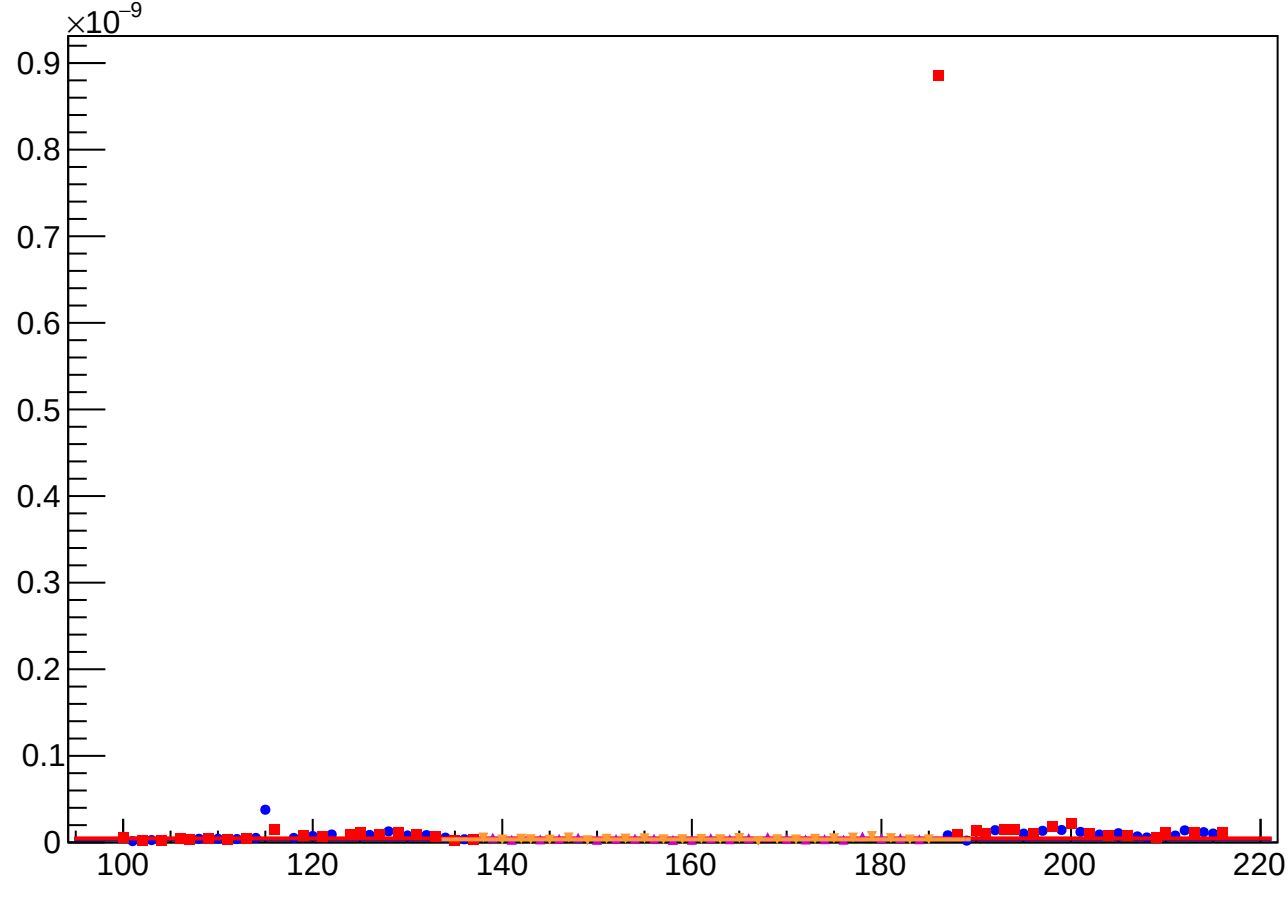
Right: 0.000+/-0.000 χ^2/NDF: 55.6/65

In: 0.000+/-0.000 χ^2/NDF:55.1/53

Out: 0.000+/-0.000 χ^2/NDF:41.9/59

All: 0.000+/-0.000 χ^2/NDF: 97.0/113

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: 8876675.1/34

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

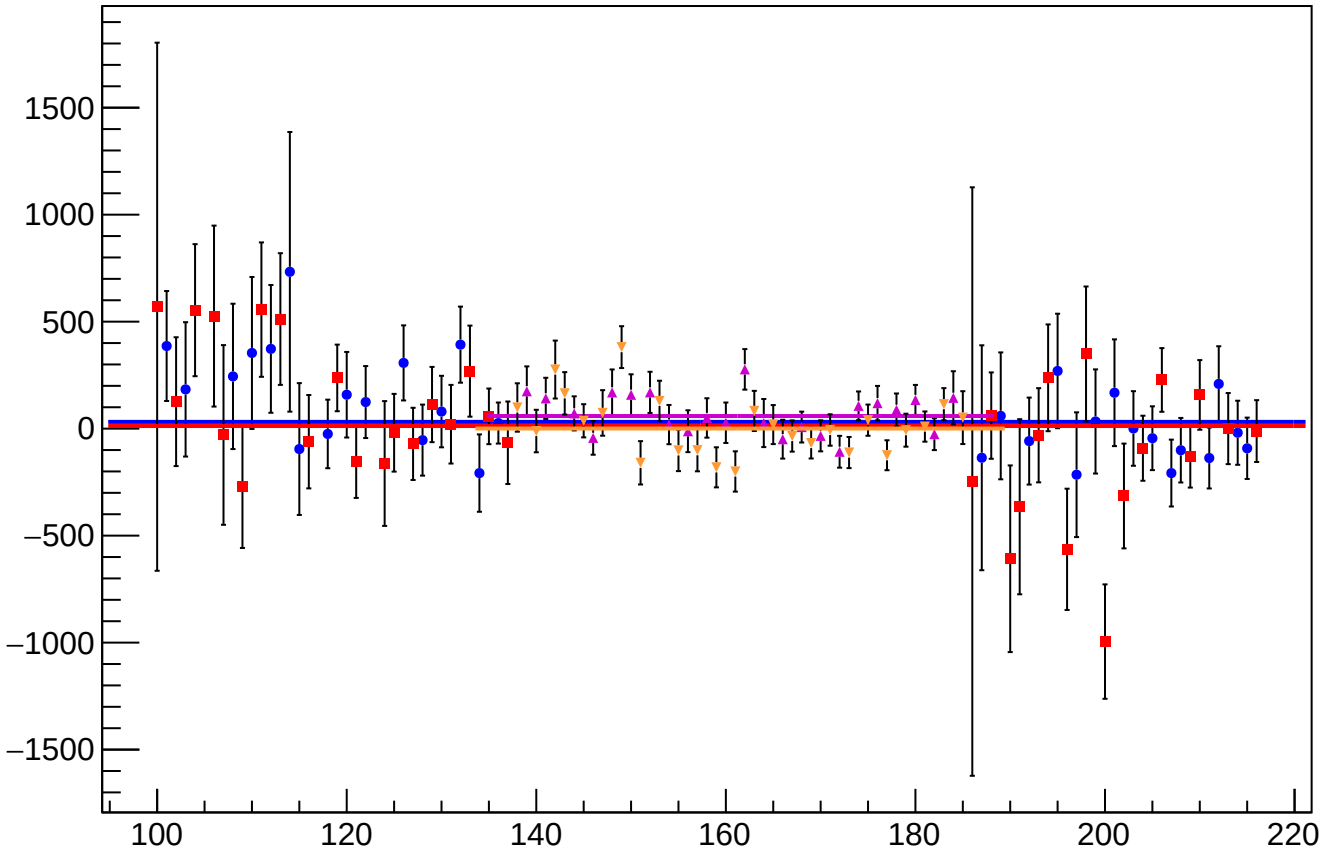
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 18141771.5/65

In: 0.000+/-0.000 χ^2/NDF:10293570.5/53

Out: 0.000+/-0.000 χ^2/NDF:12089729.0/59

All: 0.000+/-0.000 χ^2/NDF: 22390069.3/113



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: 12.232+/-35.435 χ^2/NDF: 46.9/34

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

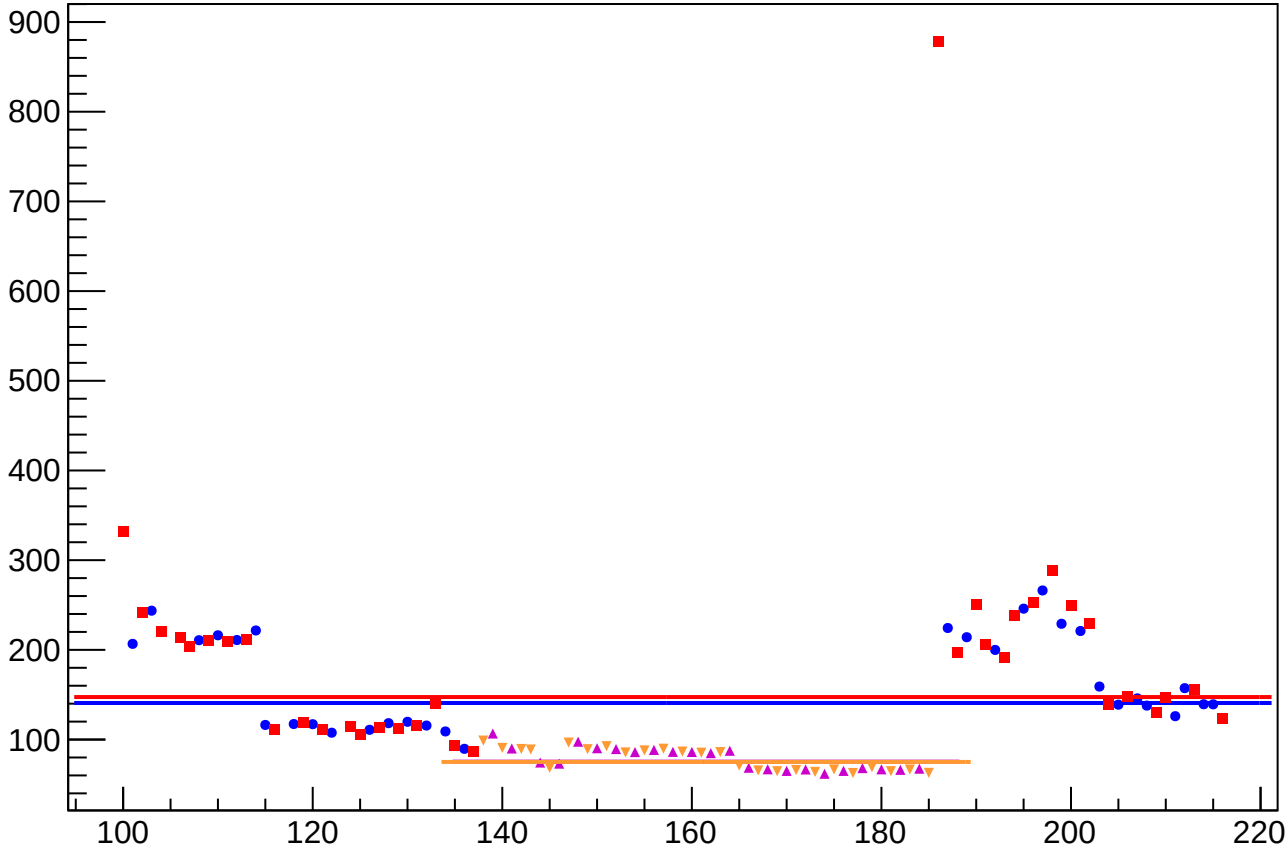
Right: 22.394+/-24.450 χ^2/NDF: 71.4/65

In: 52.937+/-15.802 χ^2/NDF:50.6/53

Out: 2.841+/-15.560 χ^2/NDF:95.6/59

All: 27.503+/-11.087 χ^2/NDF: 151.3/113

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: 147.375+/-0.025 χ^2/NDF: 4286070.7/34

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

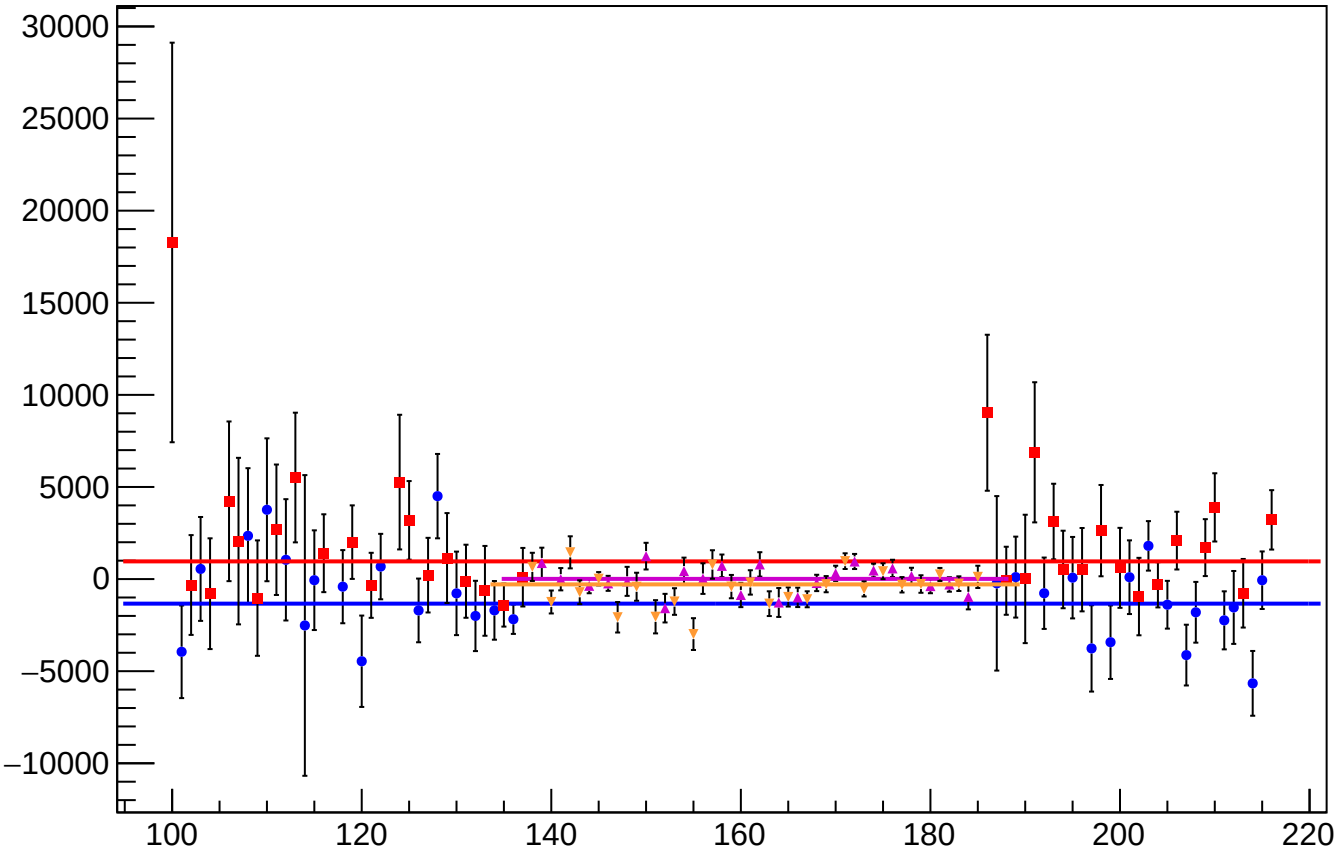
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 143.912+/-0.017 χ^2/NDF: 7499500.9/65

In: 89.667+/-0.011 χ^2/NDF:9873323.3/53

Out: 88.989+/-0.011 χ^2/NDF:11941148.4/59

All: 89.323+/-0.008 χ^2/NDF: 21816340.0/113



Right In: -1333.605+/-332.584 χ^2/NDF: 35.1/30

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 960.545+/-356.025 χ^2/NDF: 30.8/34

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

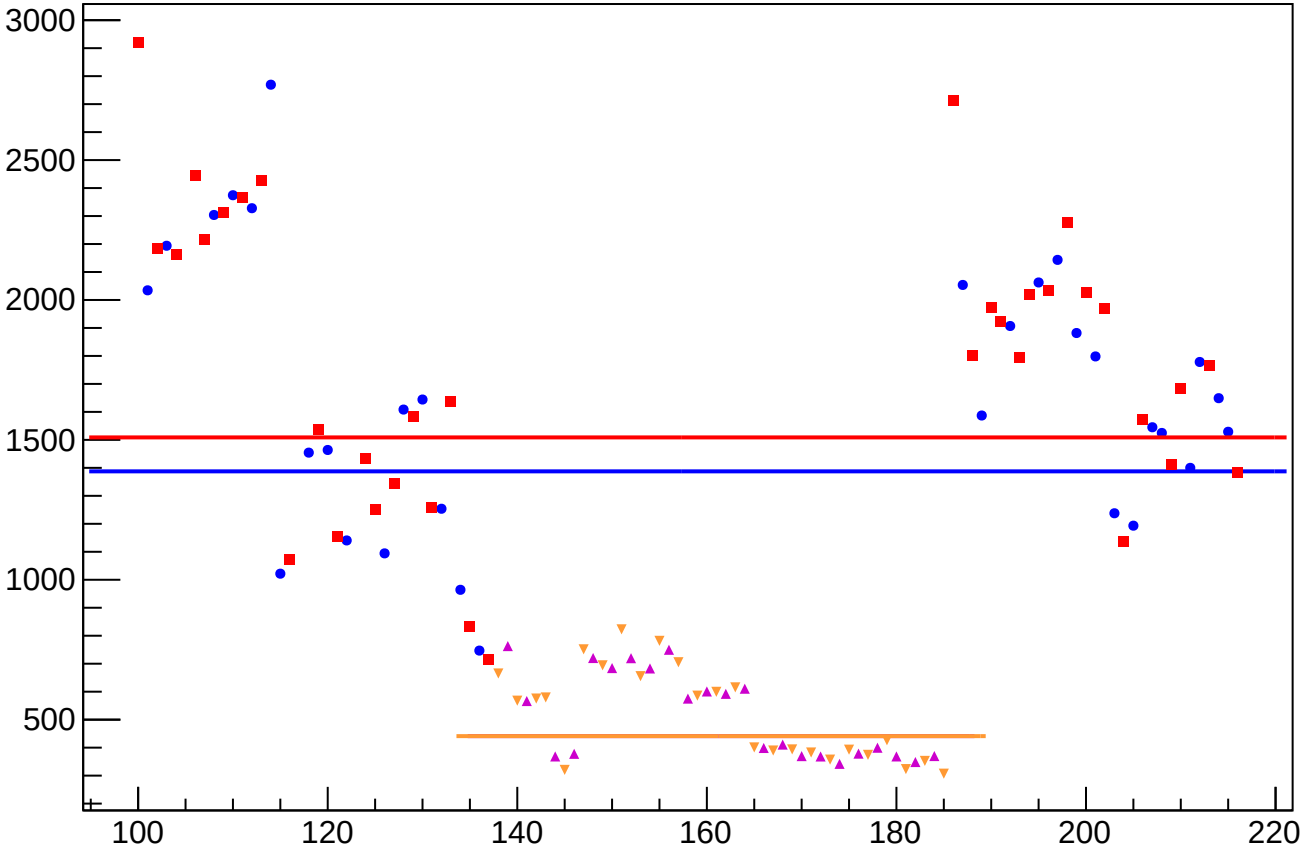
Right: -264.534+/-243.037 χ^2/NDF: 88.1/65

In: -116.876+/-102.435 χ^2/NDF:83.3/53

Out: -187.759+/-100.915 χ^2/NDF:95.4/59

All: -152.848+/-71.889 χ^2/NDF: 178.9/113

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1508.801+/-0.252 χ^2/NDF: 3397506.0/34

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

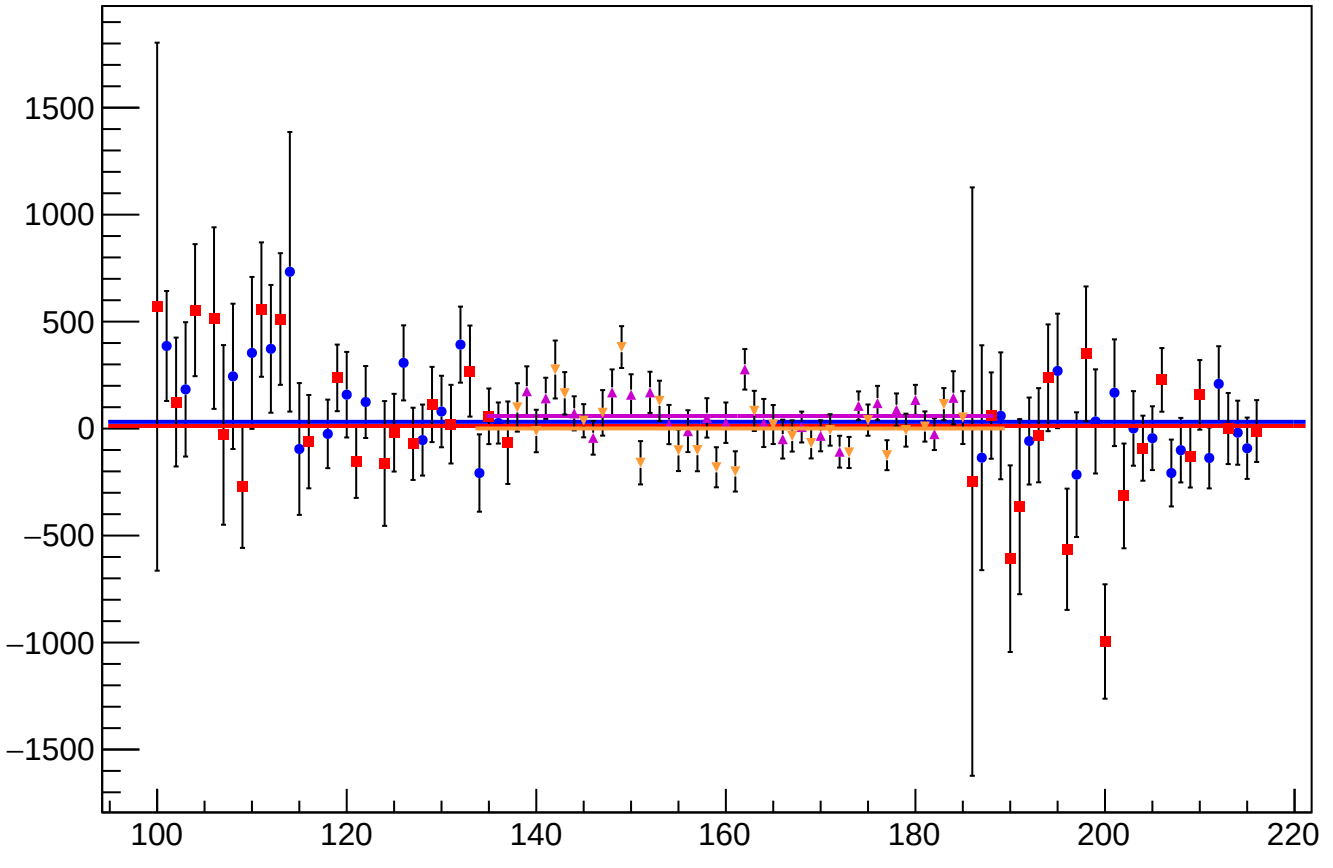
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1444.016+/-0.172 χ^2/NDF: 6955050.8/65

In: 530.963+/-0.072 χ^2/NDF:20770586.1/53

Out: 526.910+/-0.071 χ^2/NDF:23173478.0/59

All: 528.906+/-0.051 χ^2/NDF: 43945653.6/11



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: 12.114+/-35.436 χ^2/NDF: 46.8/34

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

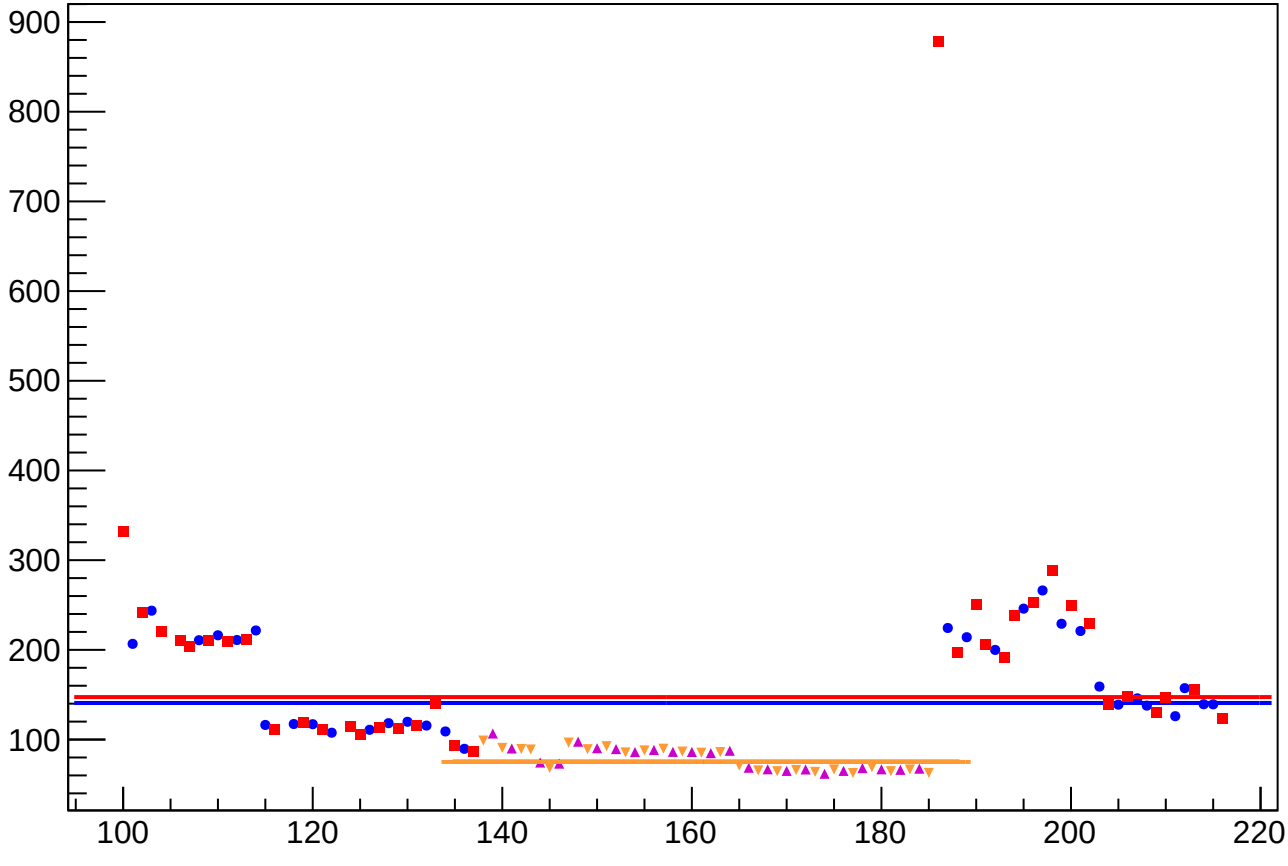
Right: 22.332+/-24.450 χ^2/NDF: 71.3/65

In: 52.933+/-15.802 χ^2/NDF:50.6/53

Out: 2.818+/-15.560 χ^2/NDF:95.5/59

All: 27.489+/-11.087 χ^2/NDF: 151.3/113

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



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: 147.350+/-0.025 χ^2/NDF: 4281594.7/34

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

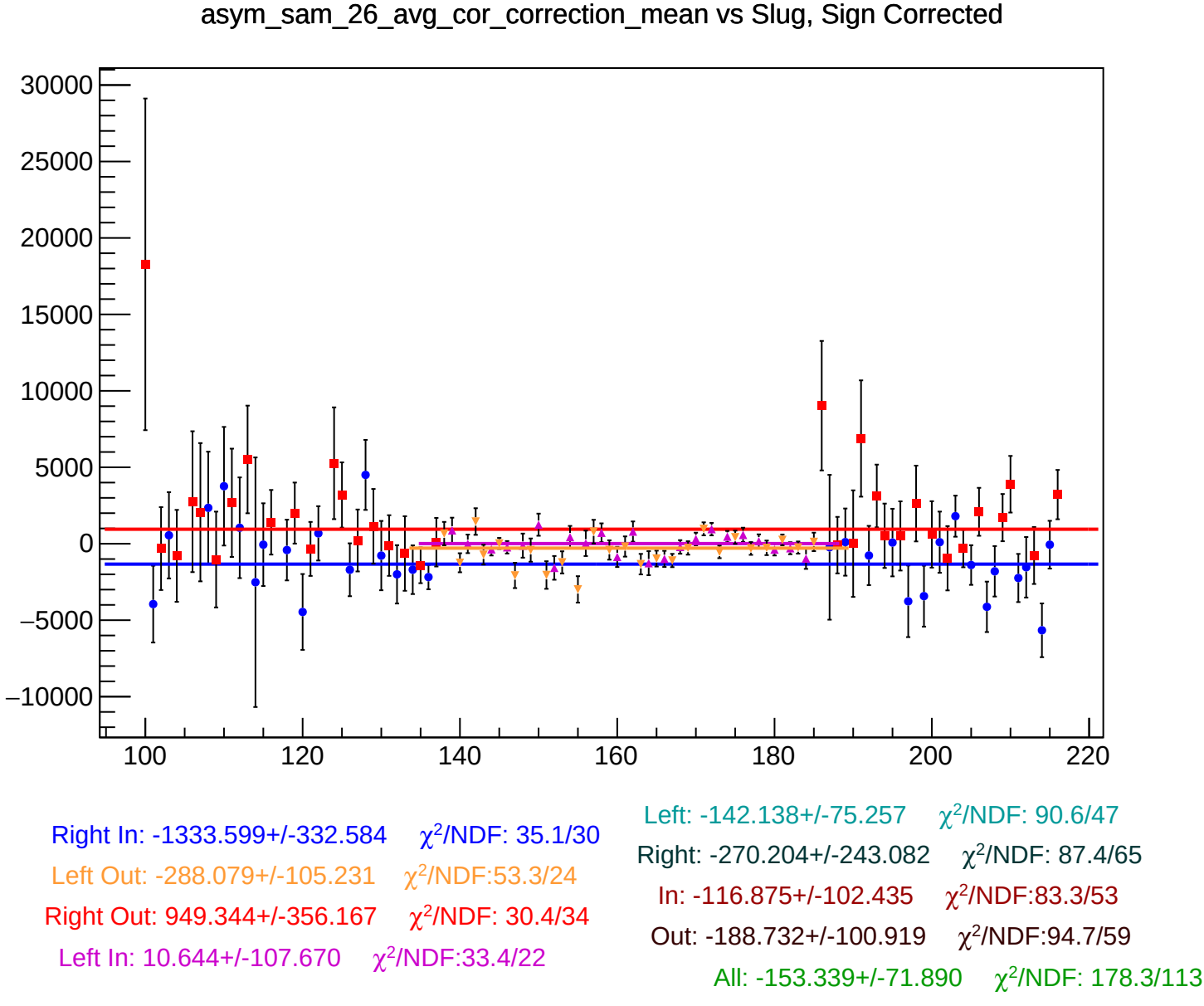
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 143.900+/-0.017 χ^2/NDF: 7494756.6/65

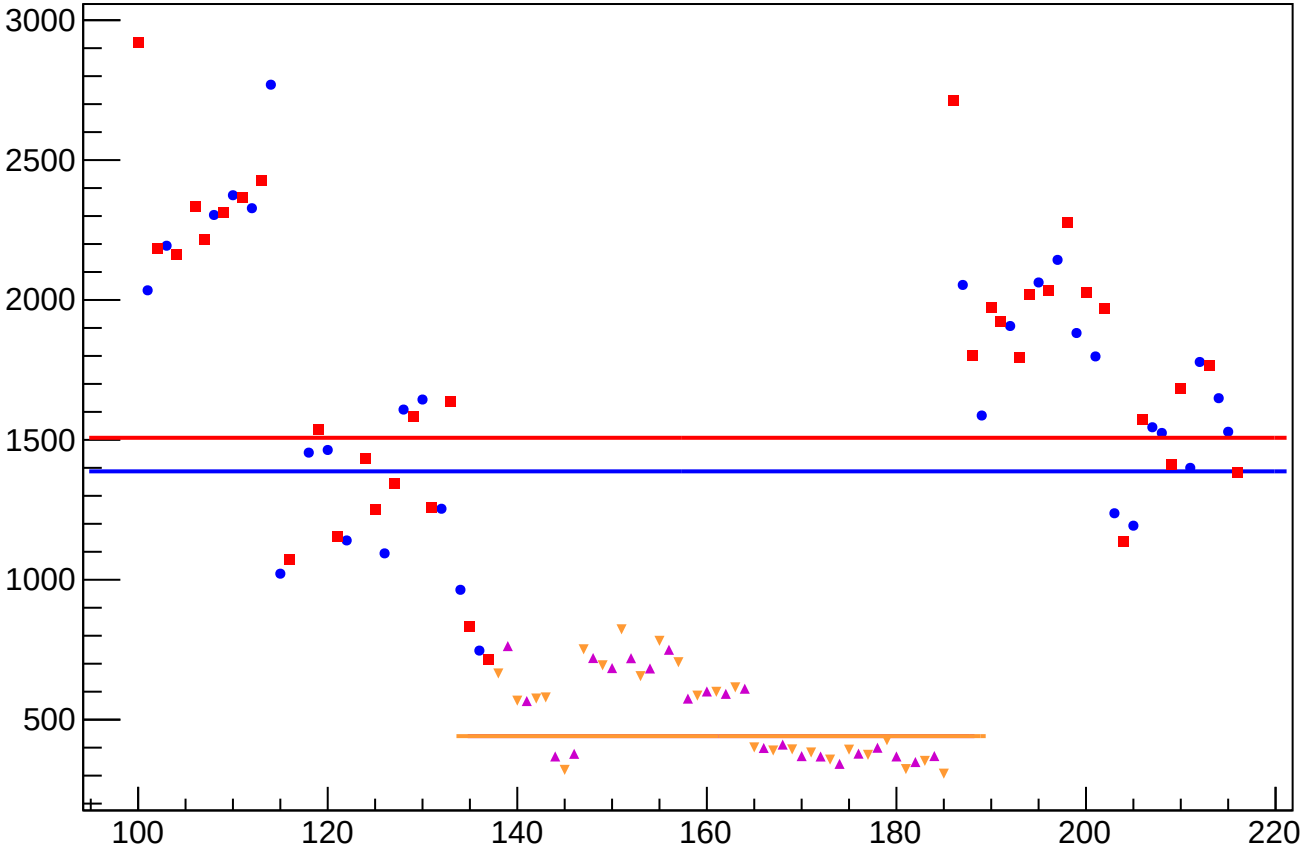
In: 89.667+/-0.011 χ^2/NDF:9873325.4/53

Out: 88.984+/-0.011 χ^2/NDF:11931768.3/59

All: 89.320+/-0.008 χ^2/NDF: 21806992.1/113


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1333.599+/-332.584 χ²/NDF: 35.1/30
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 949.344+/-356.167 χ²/NDF: 30.4/34
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -142.138+/-75.257 χ²/NDF: 90.6/47
Right: -270.204+/-243.082 χ²/NDF: 87.4/65
In: -116.875+/-102.435 χ²/NDF:83.3/53
Out: -188.732+/-100.919 χ²/NDF:94.7/59
All: -153.339+/-71.890 χ²/NDF: 178.3/113

asym_sam_26_avg_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: 1507.432+/-0.252 χ^2/NDF: 3368956.9/34

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

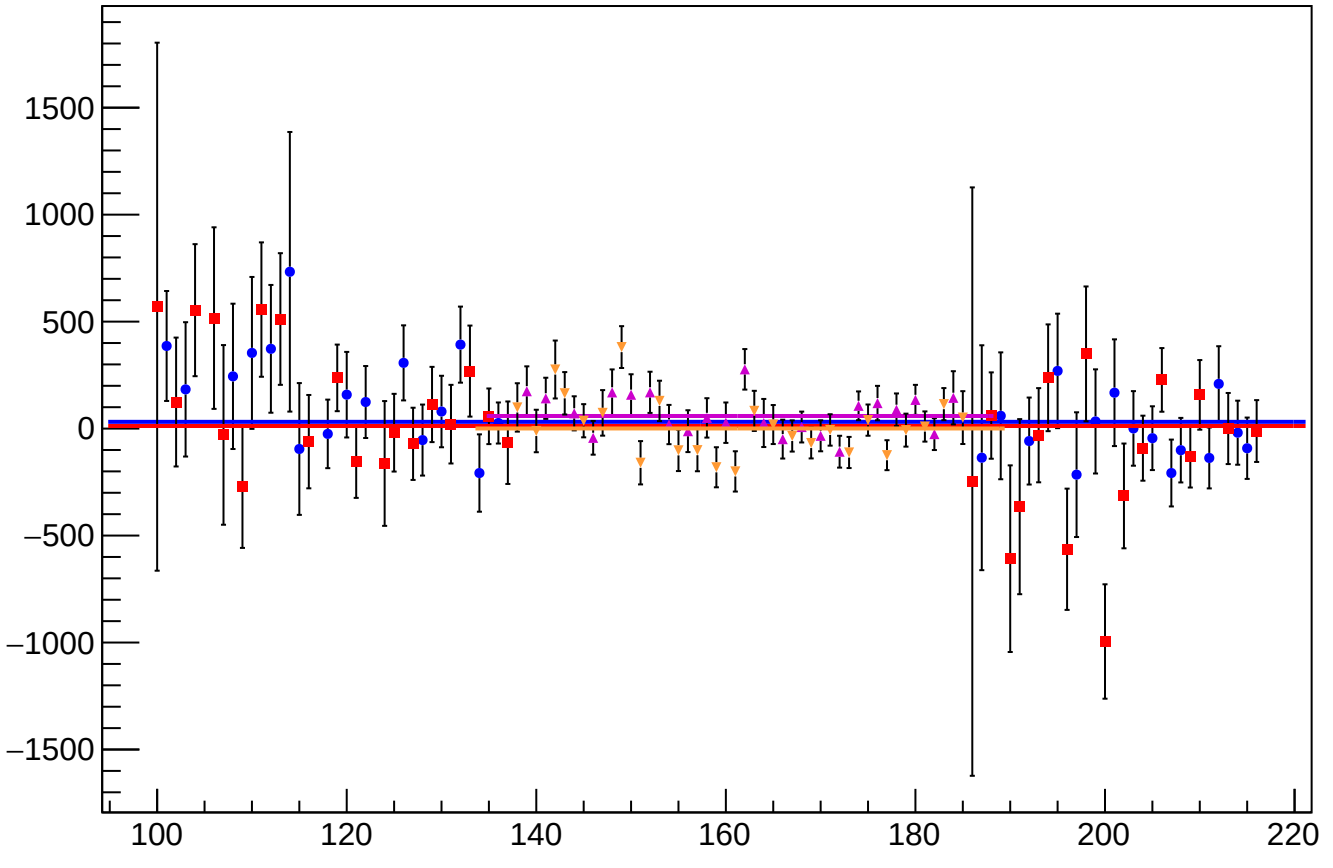
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1443.354+/-0.172 χ^2/NDF: 6923696.9/65

In: 530.964+/-0.072 χ^2/NDF:20770594.2/53

Out: 526.737+/-0.071 χ^2/NDF:23090418.1/59

All: 528.819+/-0.051 χ^2/NDF: 43862740.2/11



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: 12.114+/-35.436 χ^2/NDF: 46.8/34

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

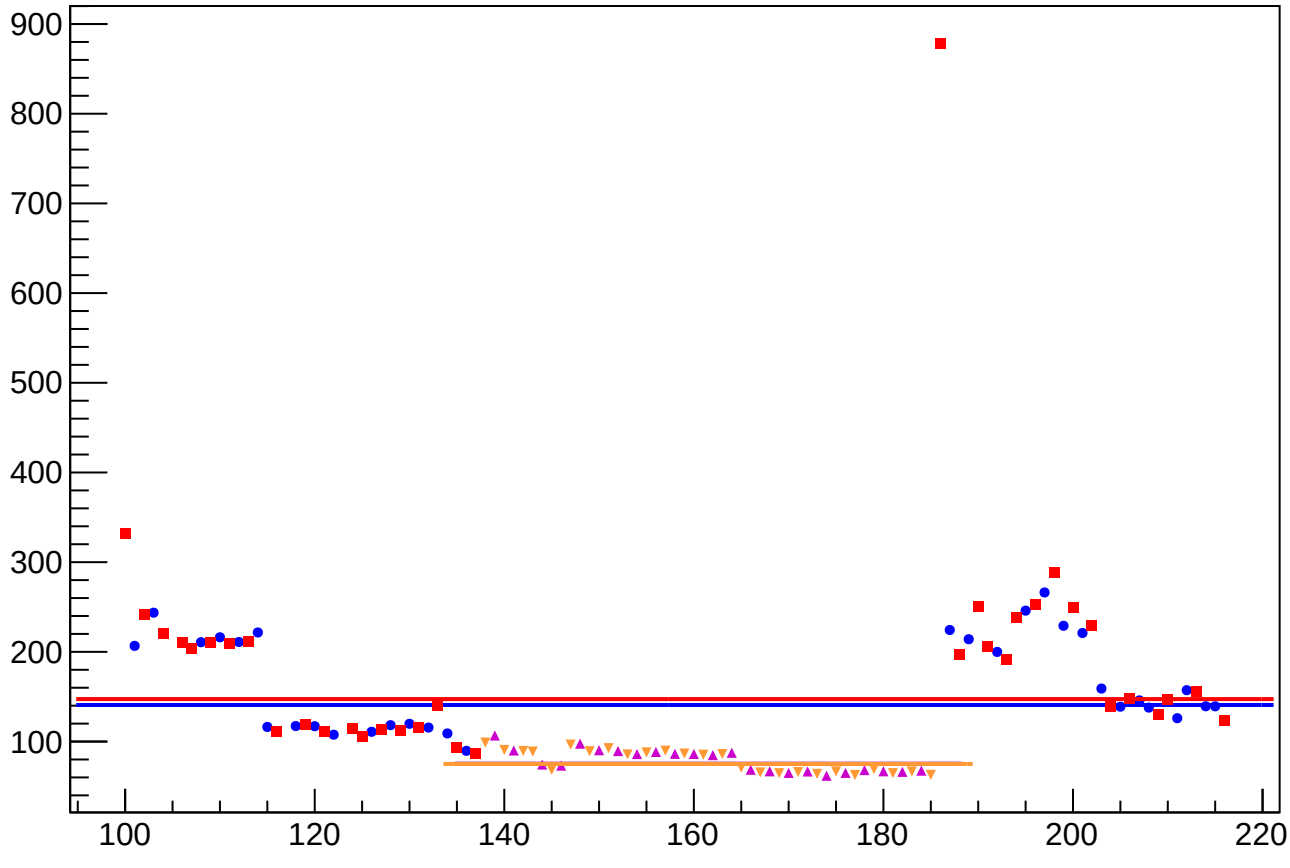
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 22.332+/-24.450 χ^2/NDF: 71.3/65

In: 52.933+/-15.802 χ^2/NDF:50.6/53

Out: 2.818+/-15.560 χ^2/NDF:95.5/59

All: 27.489+/-11.087 χ^2/NDF: 151.3/113



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: 147.350+/-0.025 χ^2/NDF: 4281594.7/34

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

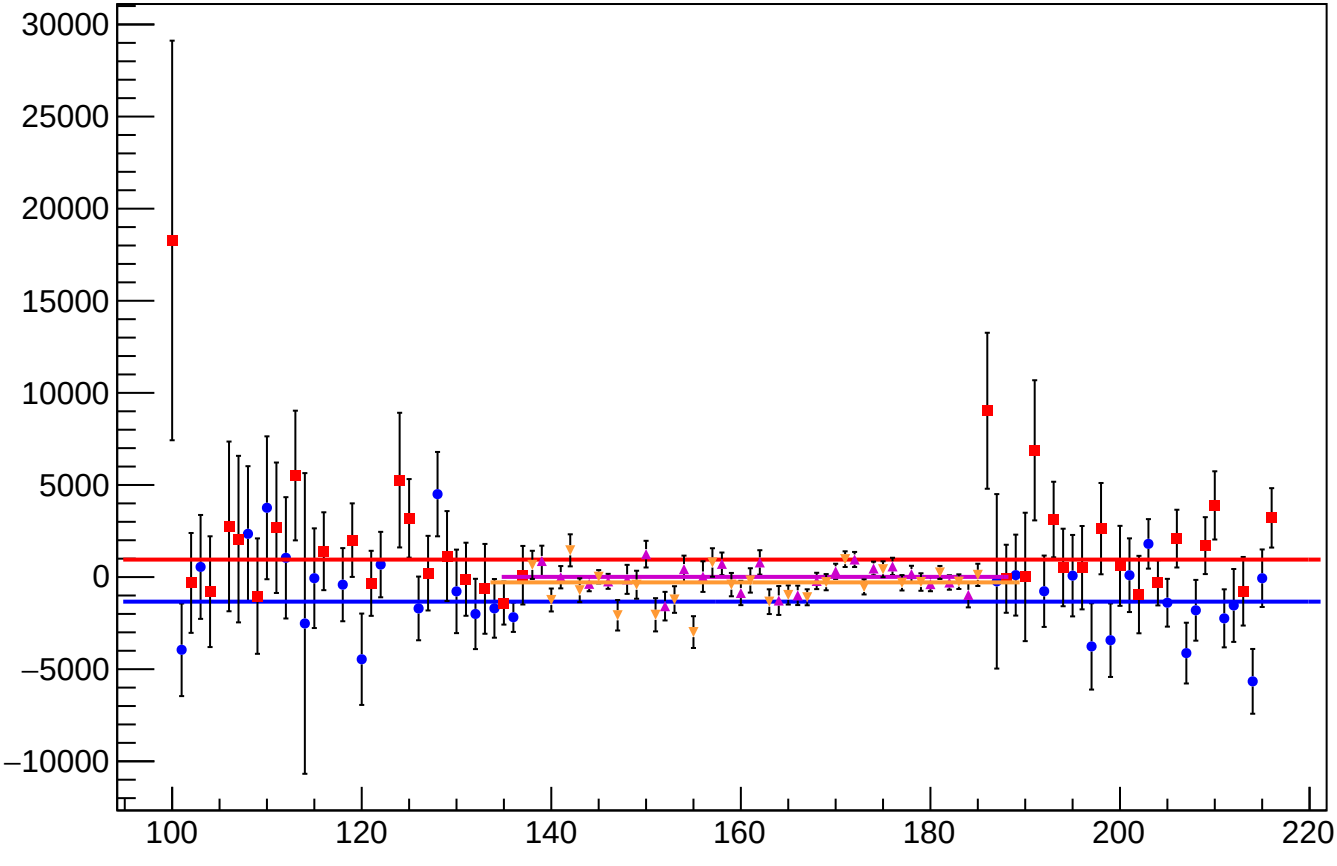
Right: 143.900+/-0.017 χ^2/NDF: 7494756.6/65

In: 89.667+/-0.011 χ^2/NDF:9873325.4/53

Out: 88.984+/-0.011 χ^2/NDF:11931768.3/59

All: 89.320+/-0.008 χ^2/NDF: 21806992.1/113

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 949.344+/-356.167 χ^2/NDF: 30.4/34

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

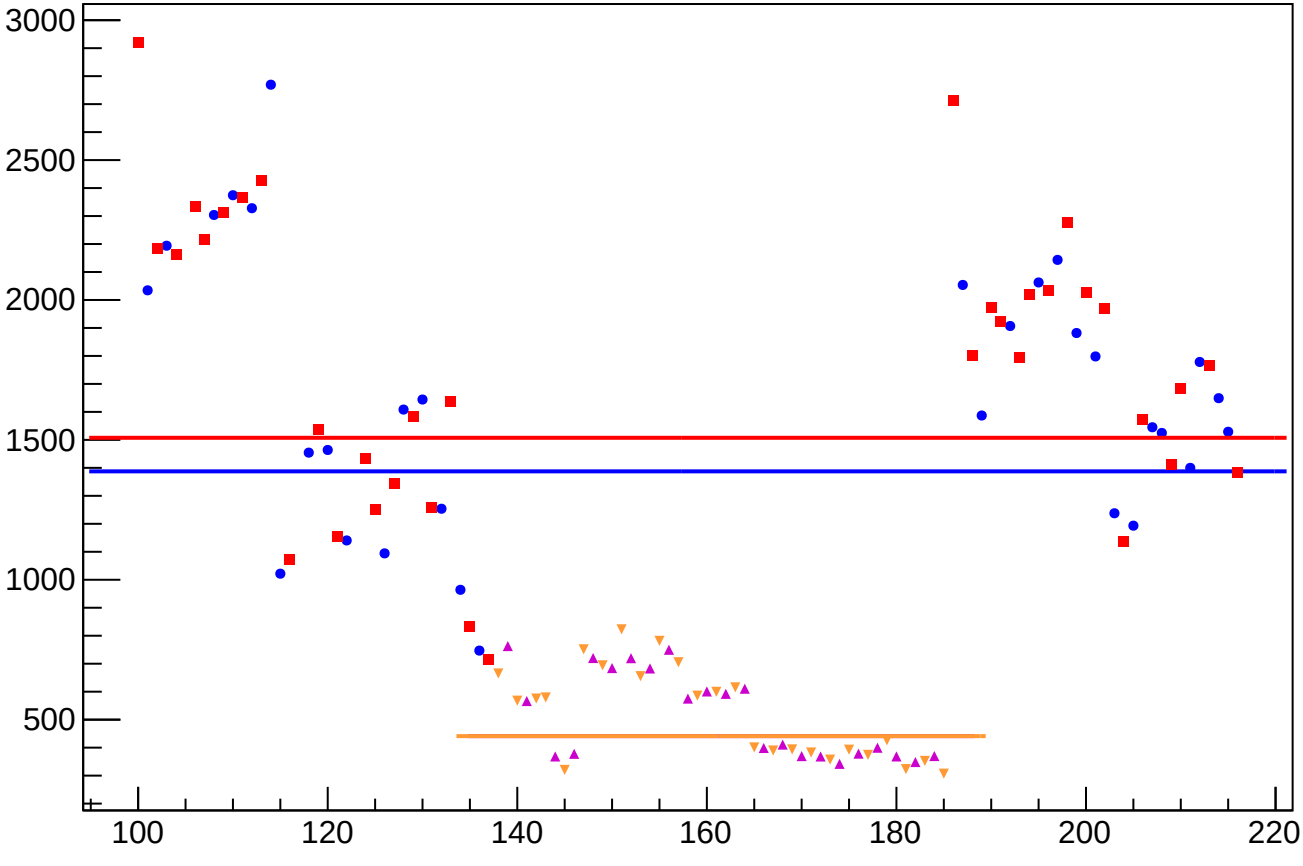
Right: -270.204+/-243.082 χ^2/NDF: 87.4/65

In: -116.875+/-102.435 χ^2/NDF:83.3/53

Out: -188.732+/-100.919 χ^2/NDF:94.7/59

All: -153.339+/-71.890 χ^2/NDF: 178.3/113

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: 1507.432+/-0.252 χ^2/NDF: 3368956.9/34

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

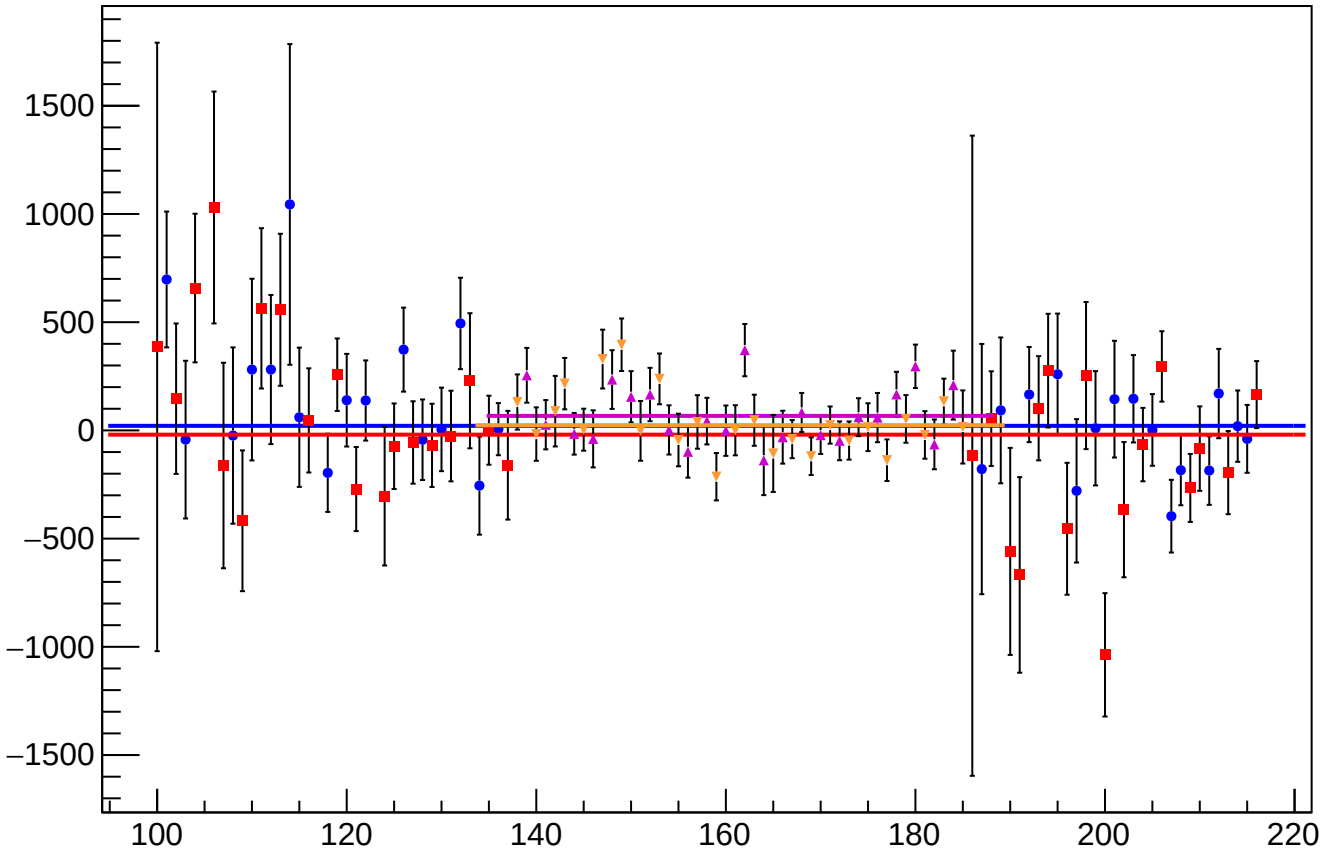
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1443.354+/-0.172 χ^2/NDF: 6923696.9/65

In: 530.964+/-0.072 χ^2/NDF:20770594.2/53

Out: 526.737+/-0.071 χ^2/NDF:23090418.1/59

All: 528.819+/-0.051 χ^2/NDF: 43862740.2/11



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: -19.633+/-40.155 χ^2/NDF: 51.5/34

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

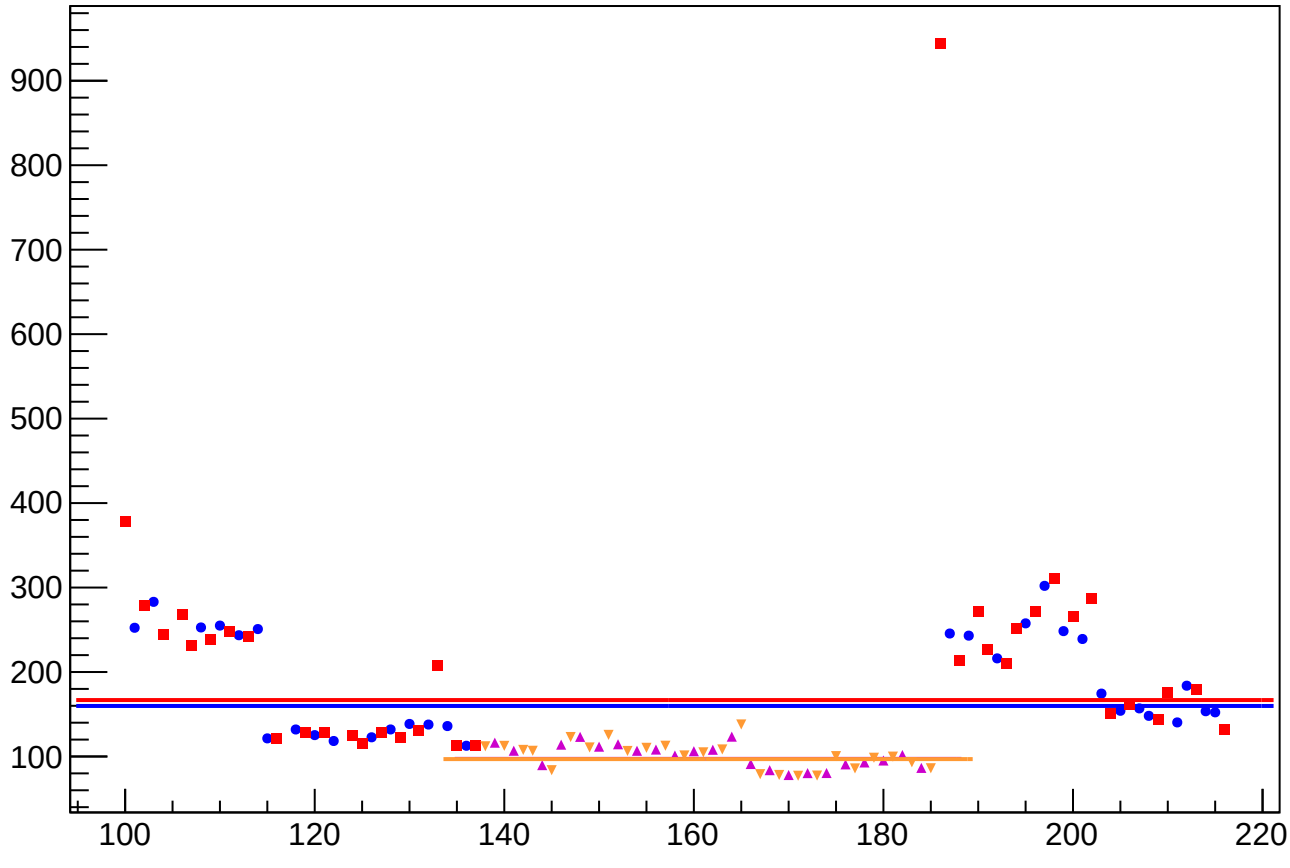
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 1.702+/-27.717 χ^2/NDF: 84.6/65

In: 54.810+/-19.795 χ^2/NDF:62.2/53

Out: 13.538+/-19.571 χ^2/NDF:87.6/59

All: 33.940+/-13.917 χ^2/NDF: 152.0/113



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: 166.800+/-0.028 χ^2/NDF: 4122206.9/34

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

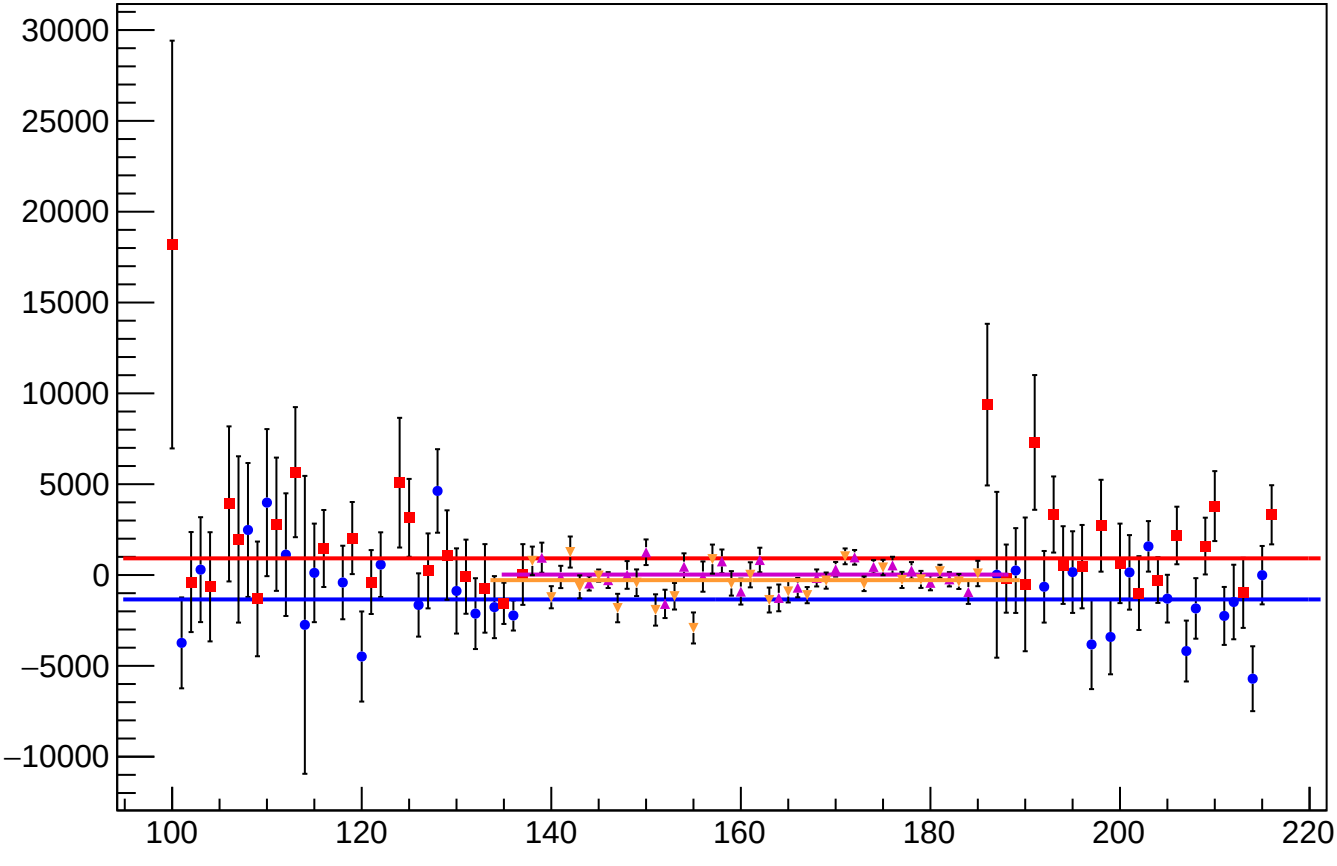
Right: 163.147+/-0.020 χ^2/NDF: 7027201.2/65

In: 113.899+/-0.014 χ^2/NDF:7470030.7/53

Out: 113.511+/-0.014 χ^2/NDF:9675988.8/59

All: 113.703+/-0.010 χ^2/NDF: 17146408.4/11

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



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: 917.903+/-359.840 χ^2/NDF: 32.1/34

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

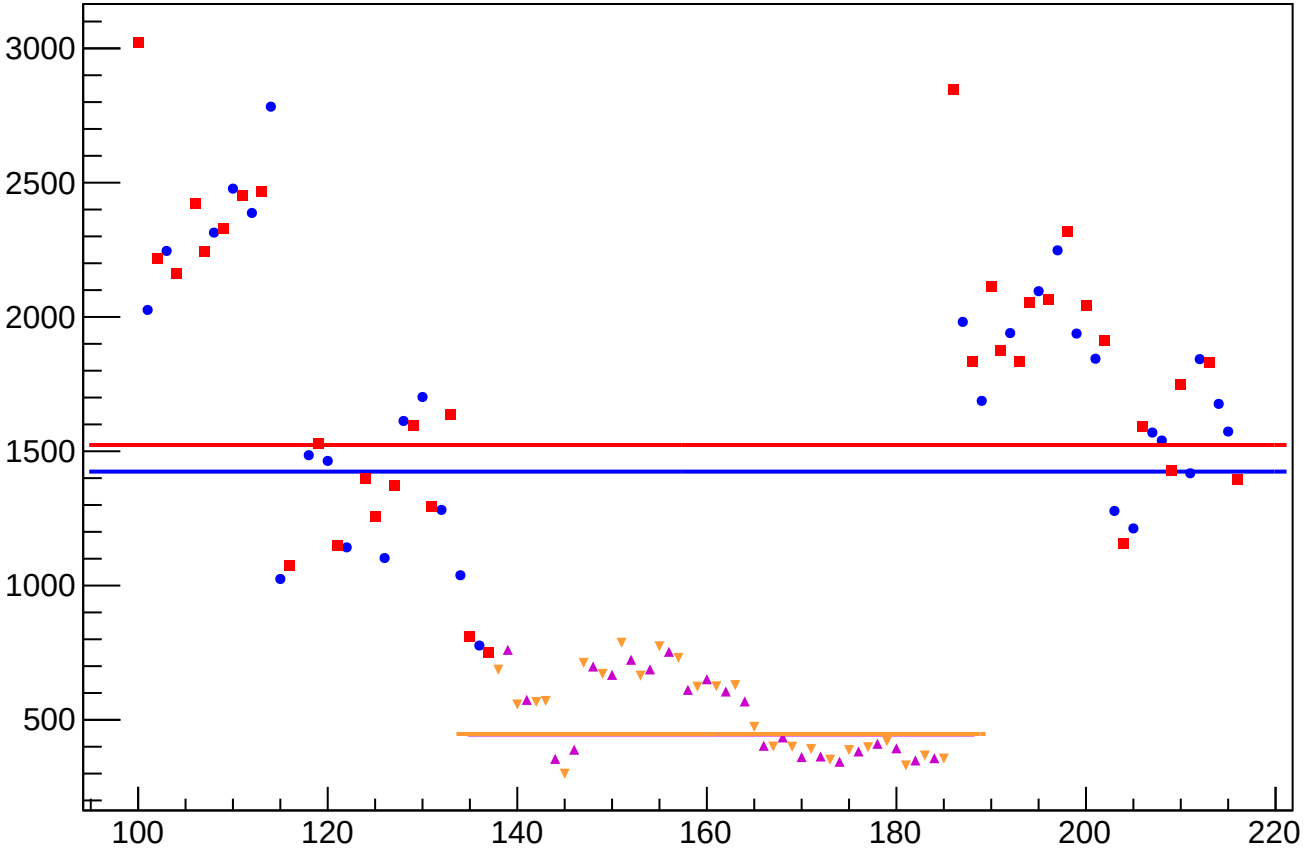
Right: -274.371+/-247.426 χ^2/NDF: 87.1/65

In: -102.125+/-103.718 χ^2/NDF:81.7/53

Out: -185.925+/-102.028 χ^2/NDF:92.8/59

All: -144.713+/-72.735 χ^2/NDF: 174.8/113

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: 1523.330+/-0.254 χ^2/NDF: 3491887.4/34

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

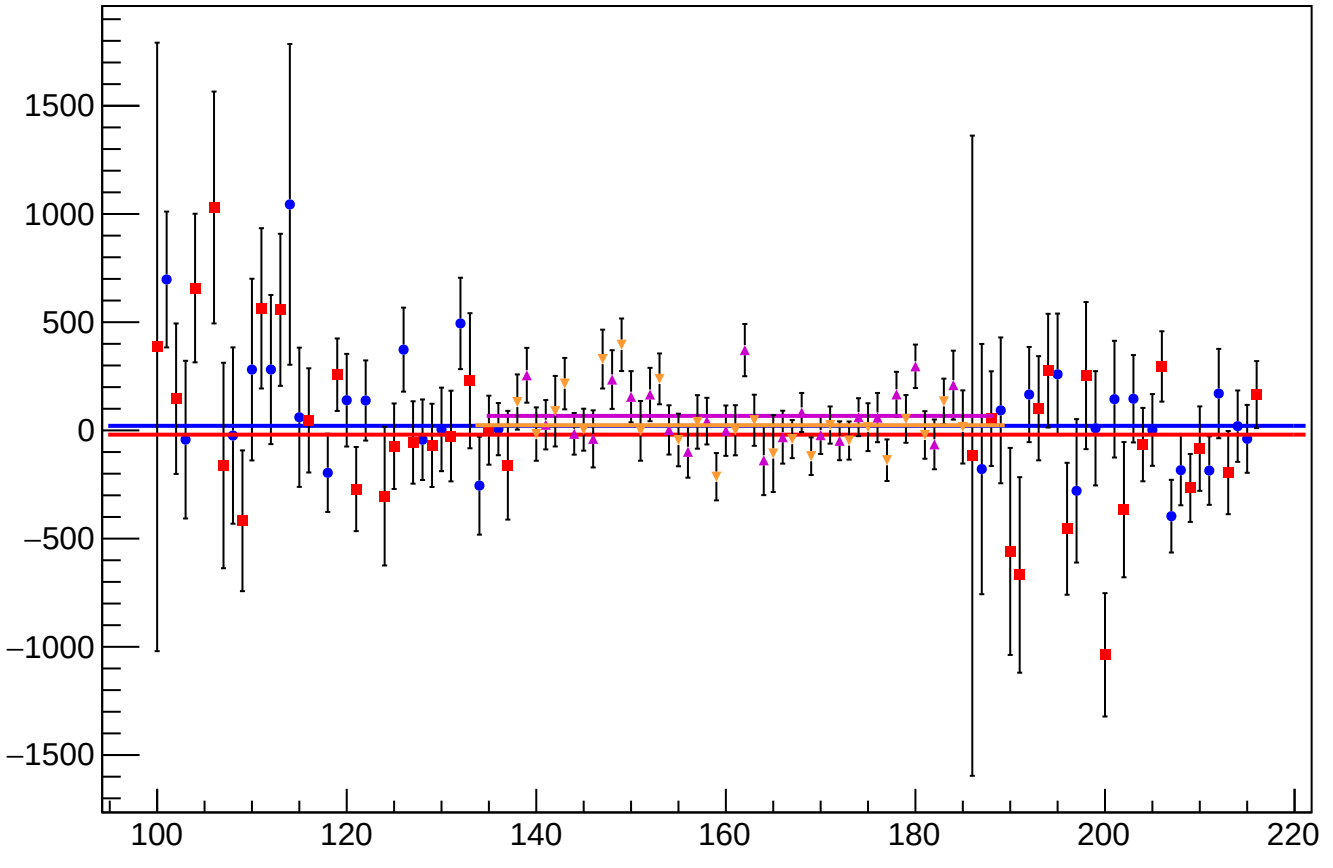
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1471.123+/-0.175 χ^2/NDF: 6905494.9/65

In: 536.168+/-0.073 χ^2/NDF:21019692.2/53

Out: 533.884+/-0.072 χ^2/NDF:23133074.8/59

All: 535.007+/-0.051 χ^2/NDF: 44153259.7/11



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: -19.633+/-40.155 χ^2/NDF: 51.5/34

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

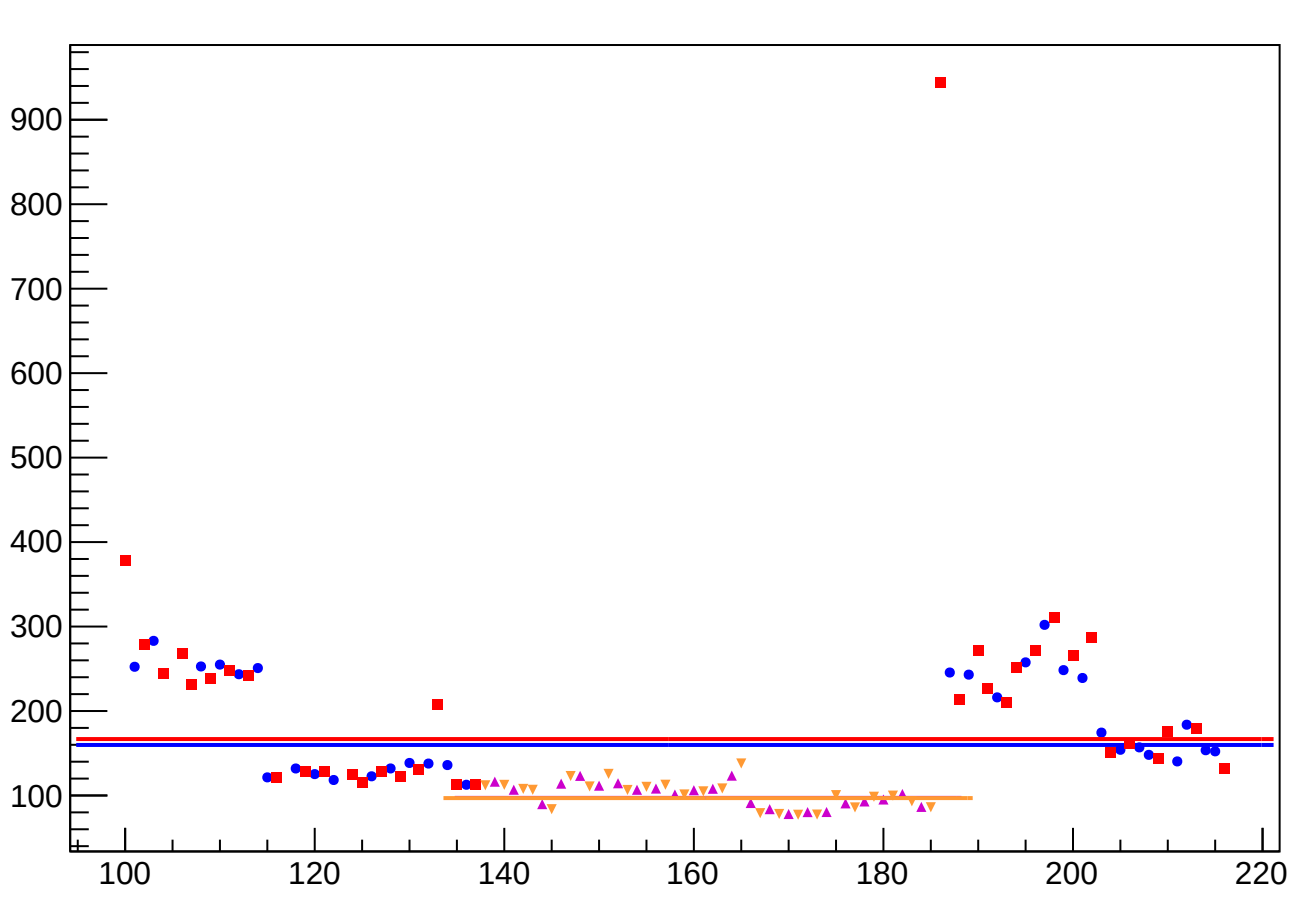
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 1.704+/-27.717 χ^2/NDF: 84.6/65

In: 54.811+/-19.795 χ^2/NDF:62.2/53

Out: 13.537+/-19.572 χ^2/NDF:87.6/59

All: 33.940+/-13.917 χ^2/NDF: 152.0/113



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: 166.800+/-0.028 χ^2/NDF: 4122205.5/34

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

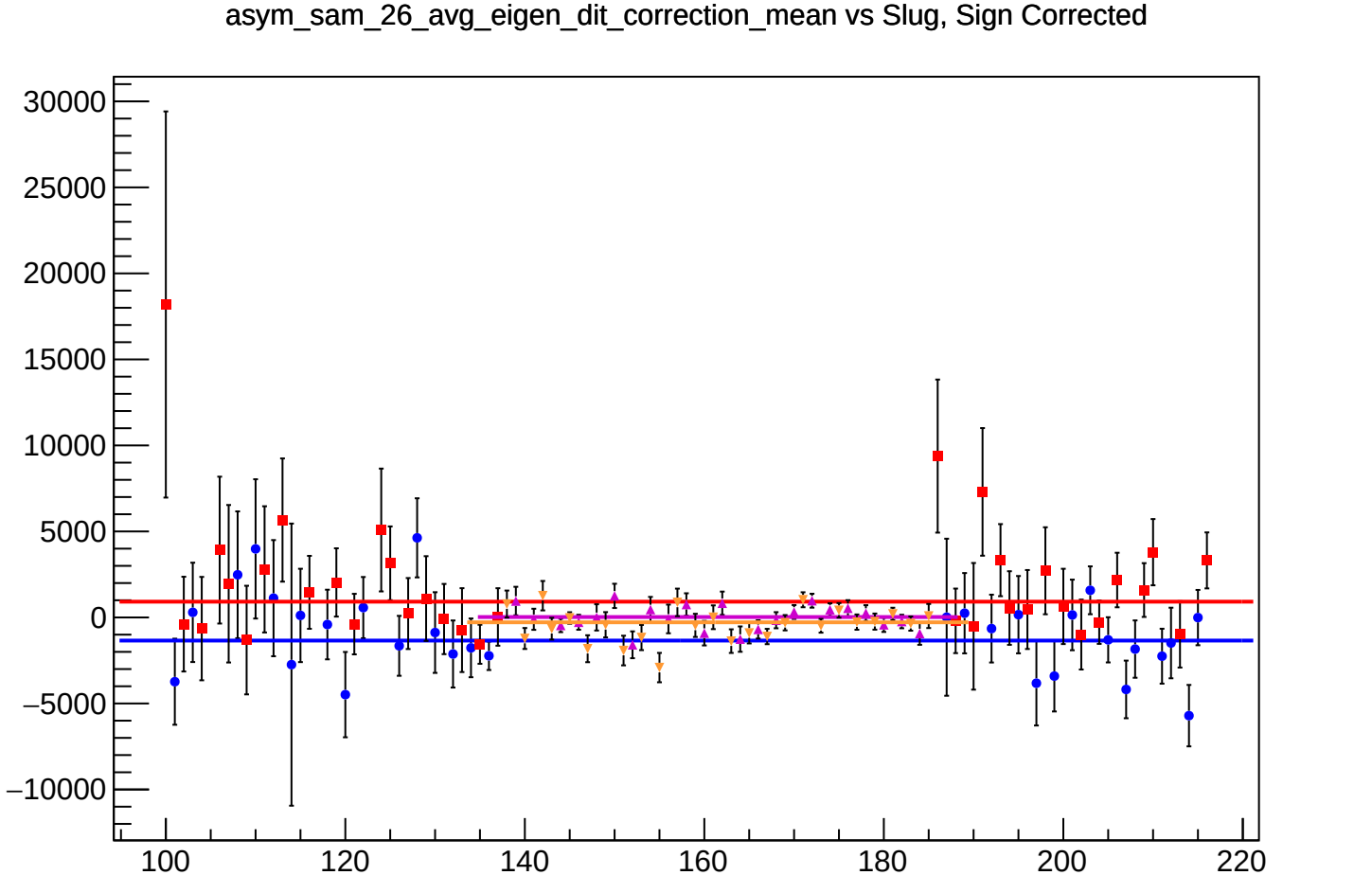
Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

Right: 163.147+/-0.020 χ^2/NDF: 7027212.8/65

In: 113.899+/-0.014 χ^2/NDF:7469940.3/53

Out: 113.511+/-0.014 χ^2/NDF:9675928.4/59

All: 113.703+/-0.010 χ^2/NDF: 17146257.7/1



Right In: -1343.591+/-340.765 χ^2/NDF: 34.1/30

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 917.903+/-359.840 χ^2/NDF: 32.1/34

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

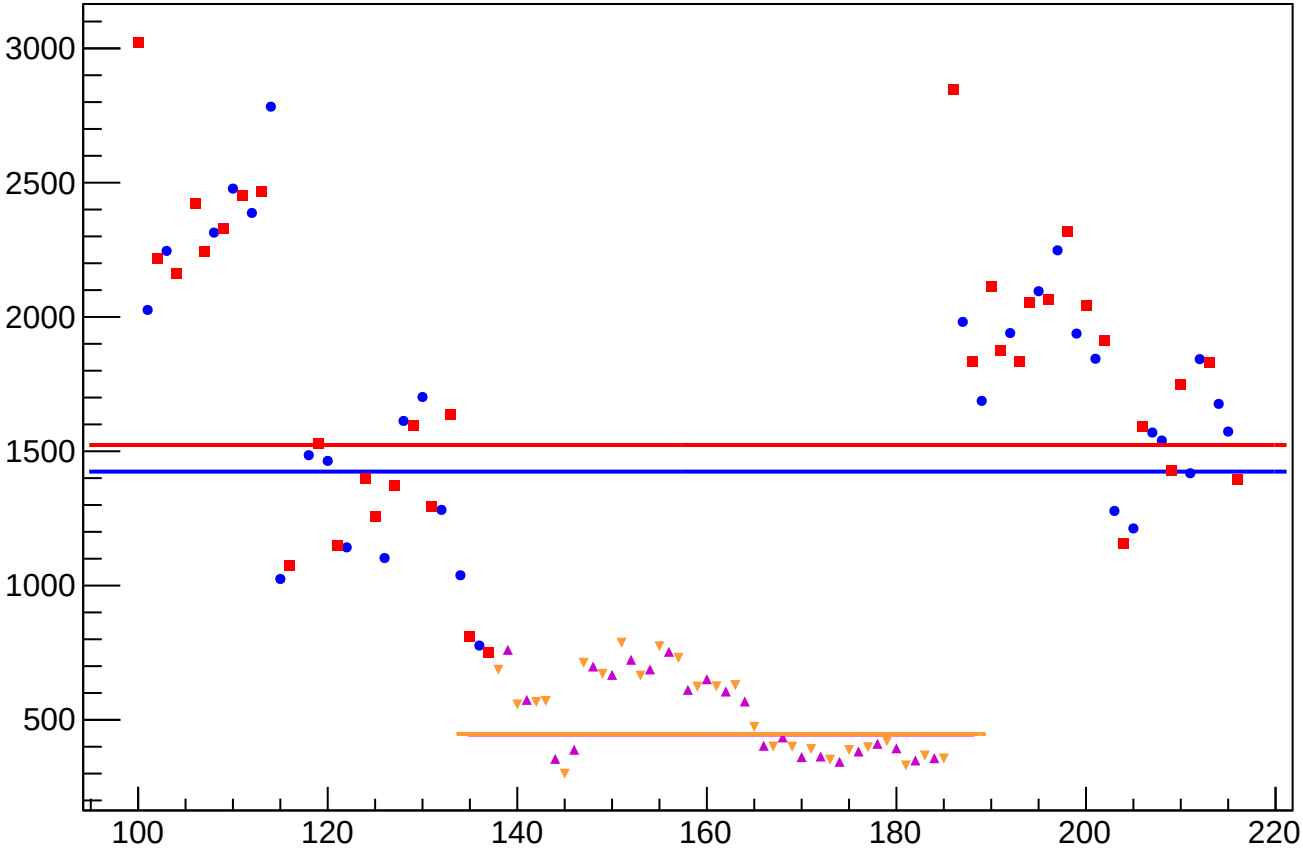
Right: -274.371+/-247.426 χ^2/NDF: 87.1/65

In: -102.124+/-103.718 χ^2/NDF:81.7/53

Out: -185.924+/-102.028 χ^2/NDF:92.8/59

All: -144.712+/-72.735 χ^2/NDF: 174.8/113

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1523.330+/-0.254 χ^2/NDF: 3491868.7/34

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

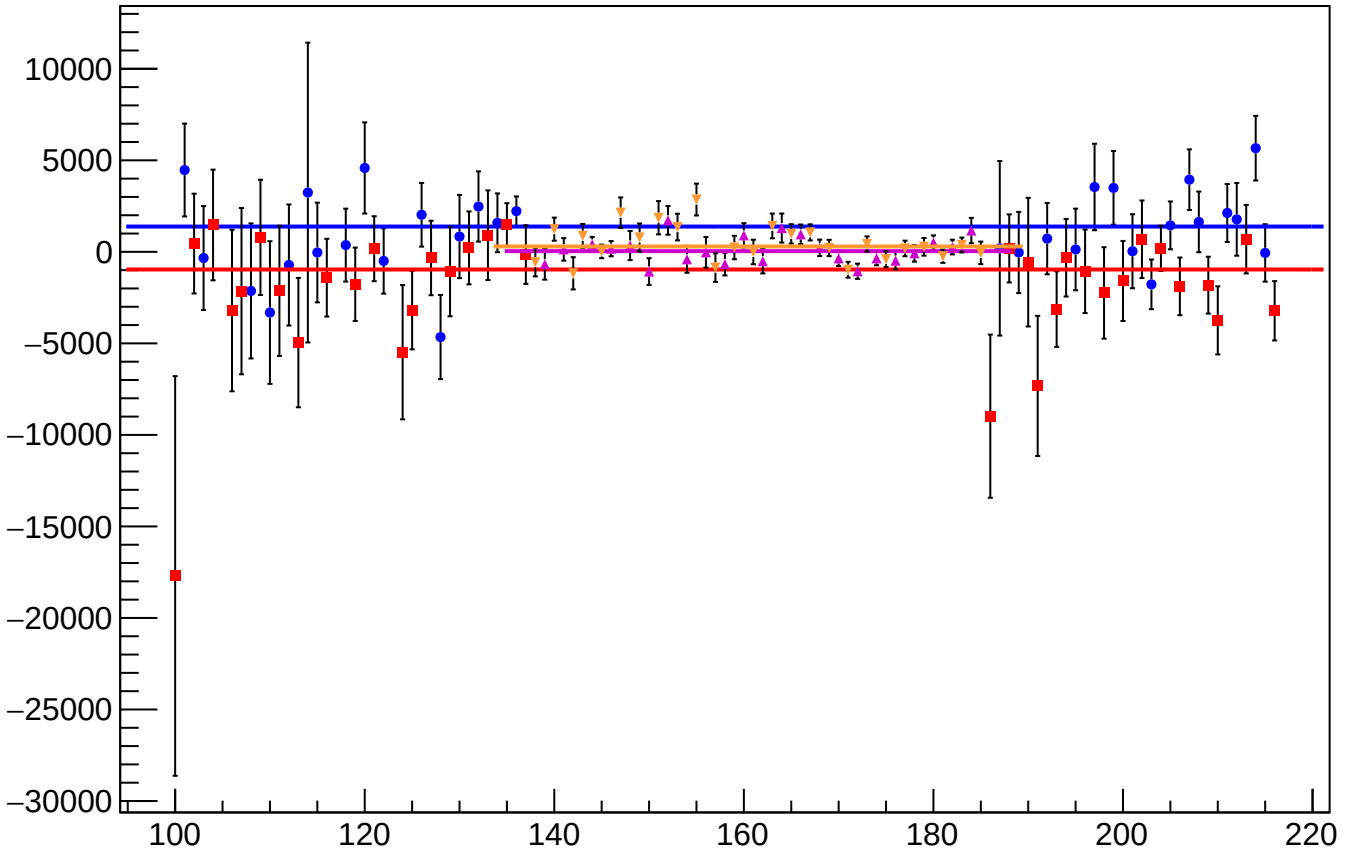
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1471.123+/-0.175 χ^2/NDF: 6905457.0/65

In: 536.167+/-0.073 χ^2/NDF:21019704.6/53

Out: 533.884+/-0.072 χ^2/NDF:23133108.2/59

All: 535.007+/-0.051 χ^2/NDF: 44153305.4/11



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: -964.123+/-358.194 χ^2/NDF: 29.1/34

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

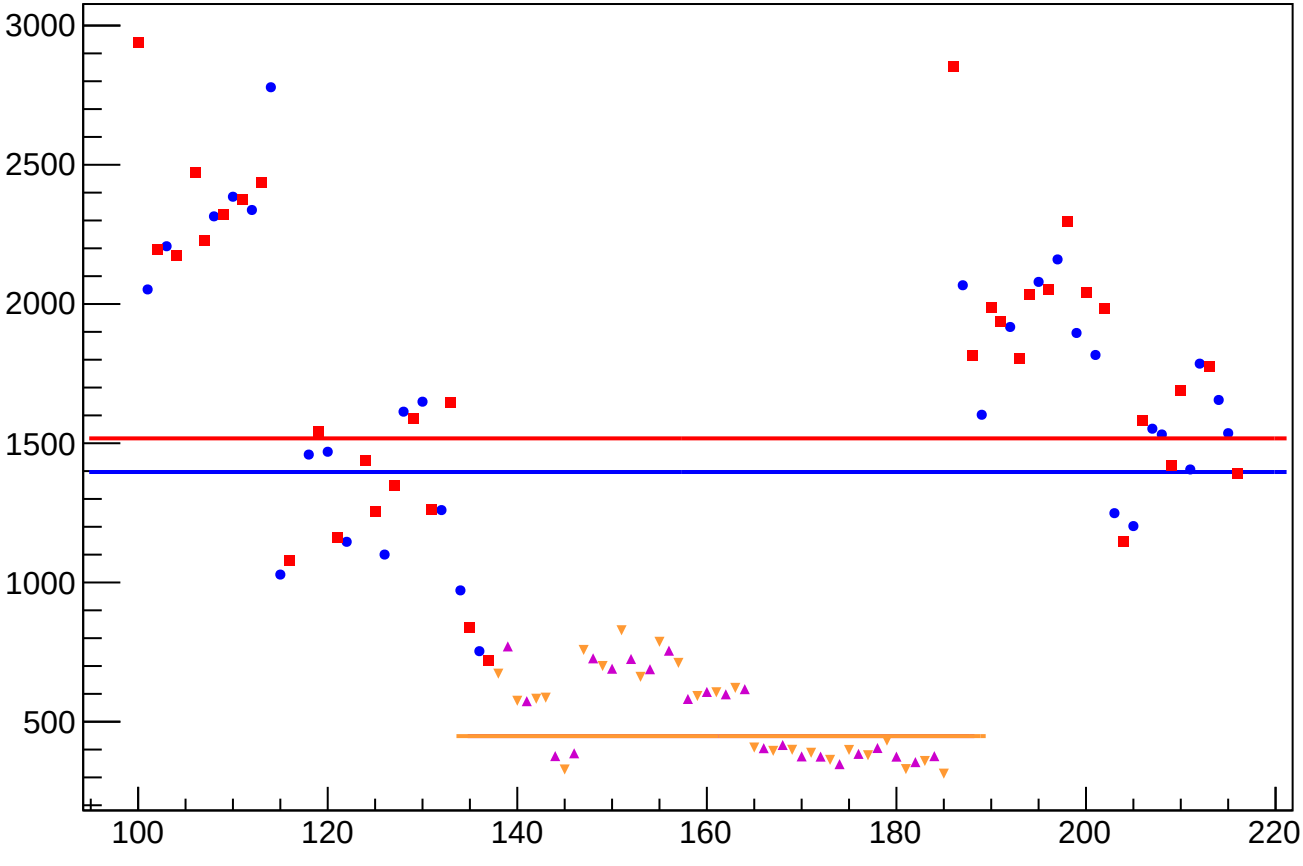
Right: 288.272+/-244.558 χ^2/NDF: 86.6/65

In: 167.621+/-103.914 χ^2/NDF:82.1/53

Out: 192.190+/-102.356 χ^2/NDF:91.0/59

All: 180.091+/-72.921 χ^2/NDF: 173.1/113

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: 1517.479+/-0.253 χ^2/NDF: 3416410.8/34

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

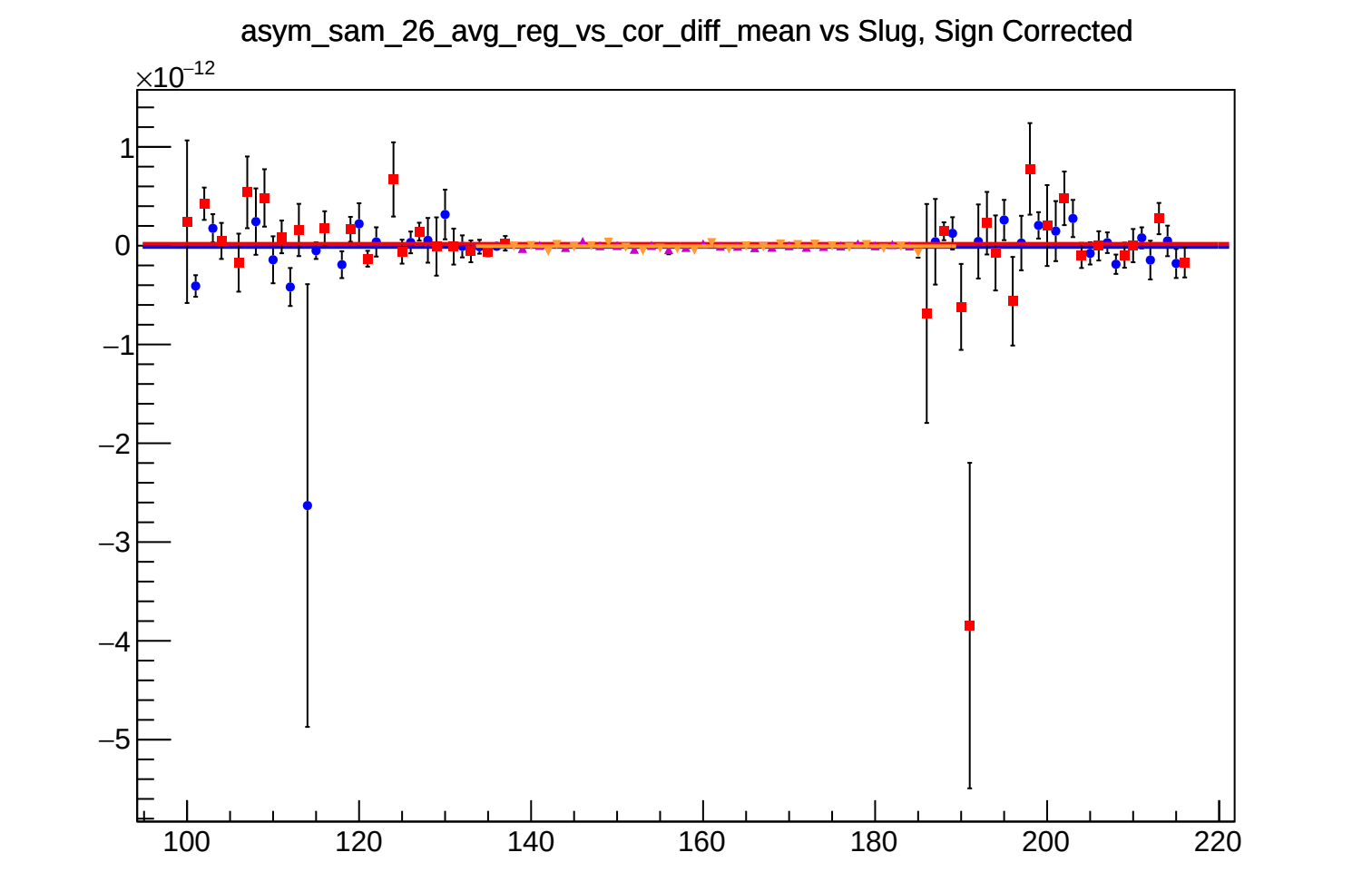
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1453.014+/-0.173 χ^2/NDF: 6955530.0/65

In: 539.800+/-0.073 χ^2/NDF:20545865.9/53

Out: 535.585+/-0.072 χ^2/NDF:22938332.6/59

All: 537.661+/-0.052 χ^2/NDF: 43485868.8/1



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: 49.5/34

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

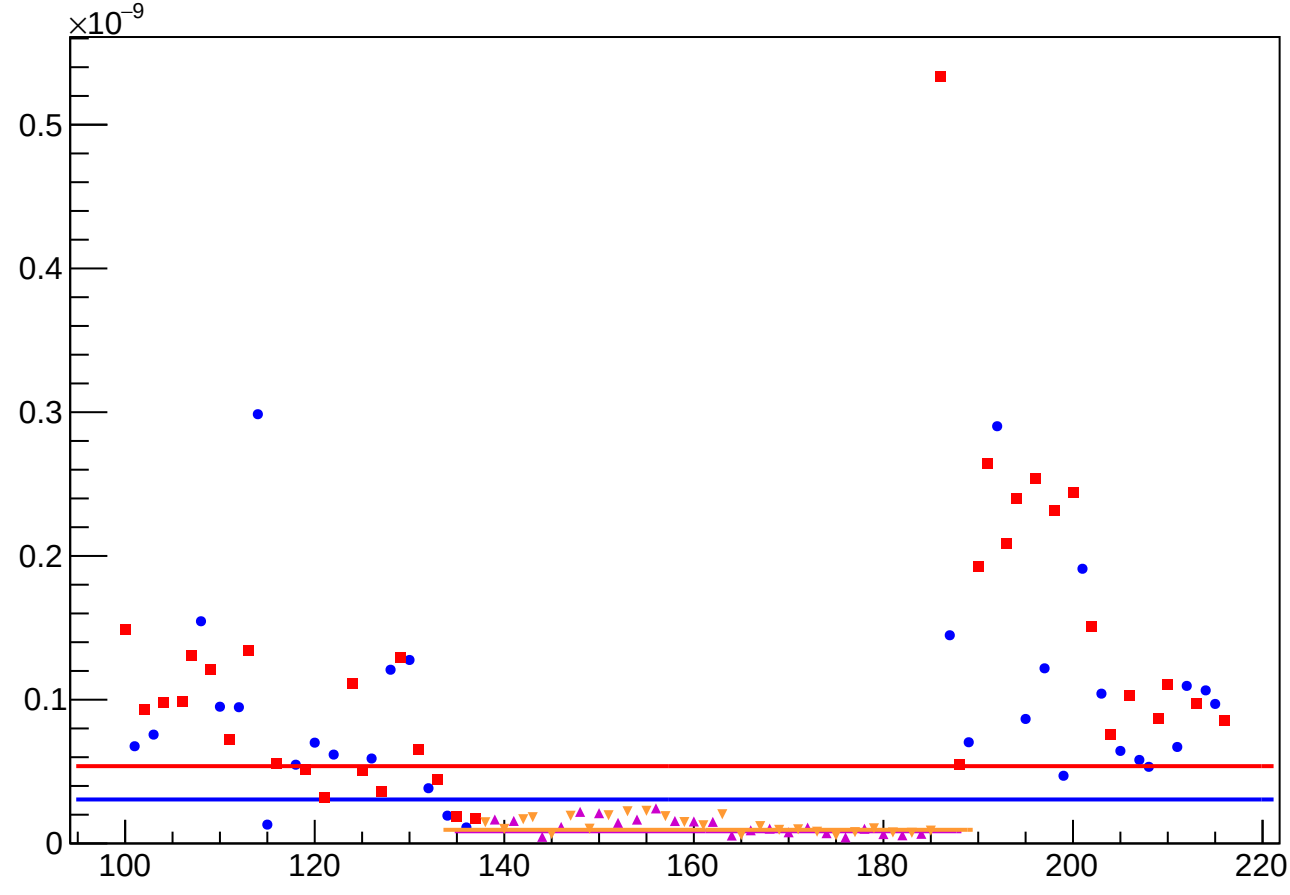
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 91.9/65

In: -0.000+/-0.000 χ^2/NDF:58.1/53

Out: -0.000+/-0.000 χ^2/NDF:73.7/59

All: -0.000+/-0.000 χ^2/NDF: 131.8/113



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: 6486752.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

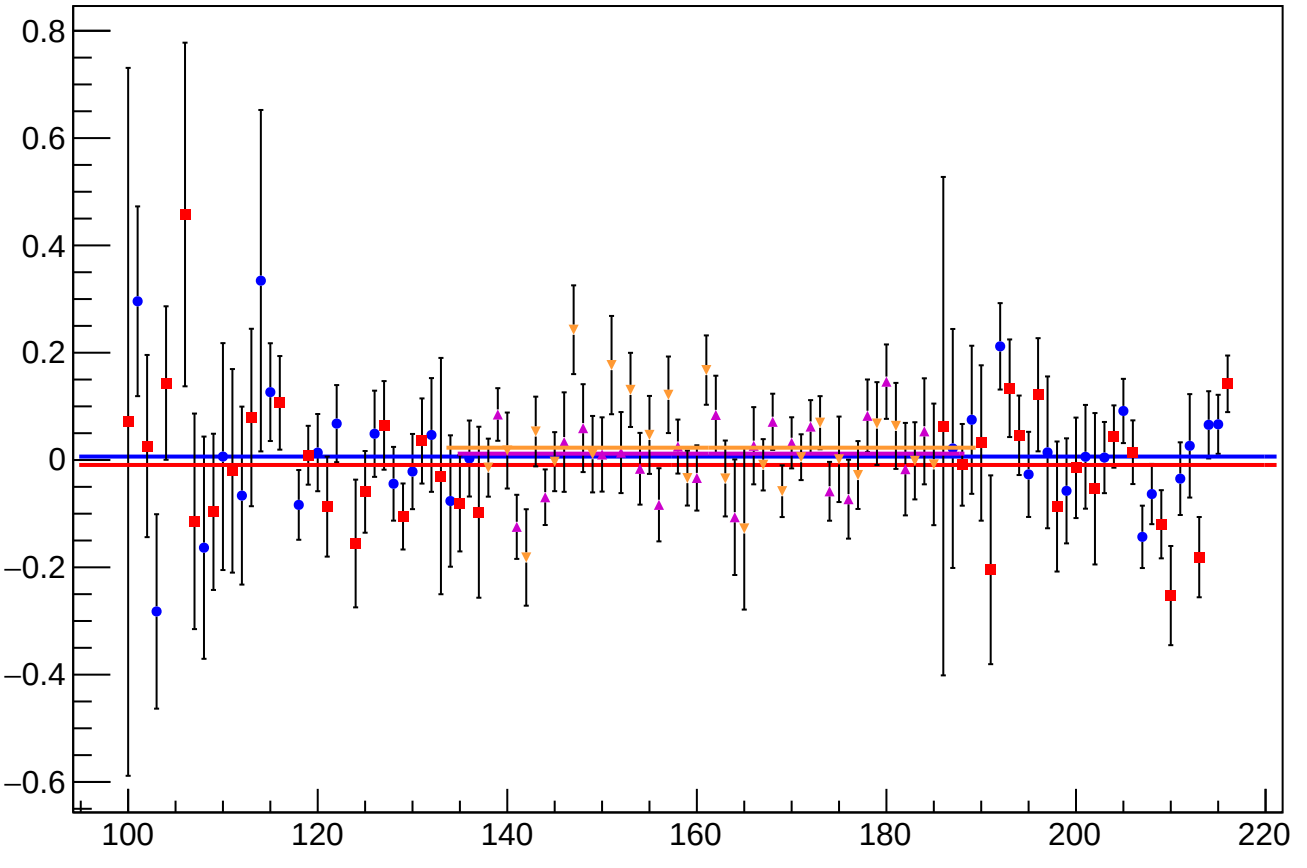
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16111213.5/65

In: 0.000+/-0.000 χ^2/NDF:14598088.3/53

Out: 0.000+/-0.000 χ^2/NDF:15703053.5/59

All: 0.000+/-0.000 χ^2/NDF: 30377650.8/113



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: -0.009+/-0.015 χ^2/NDF: 44.1/34

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

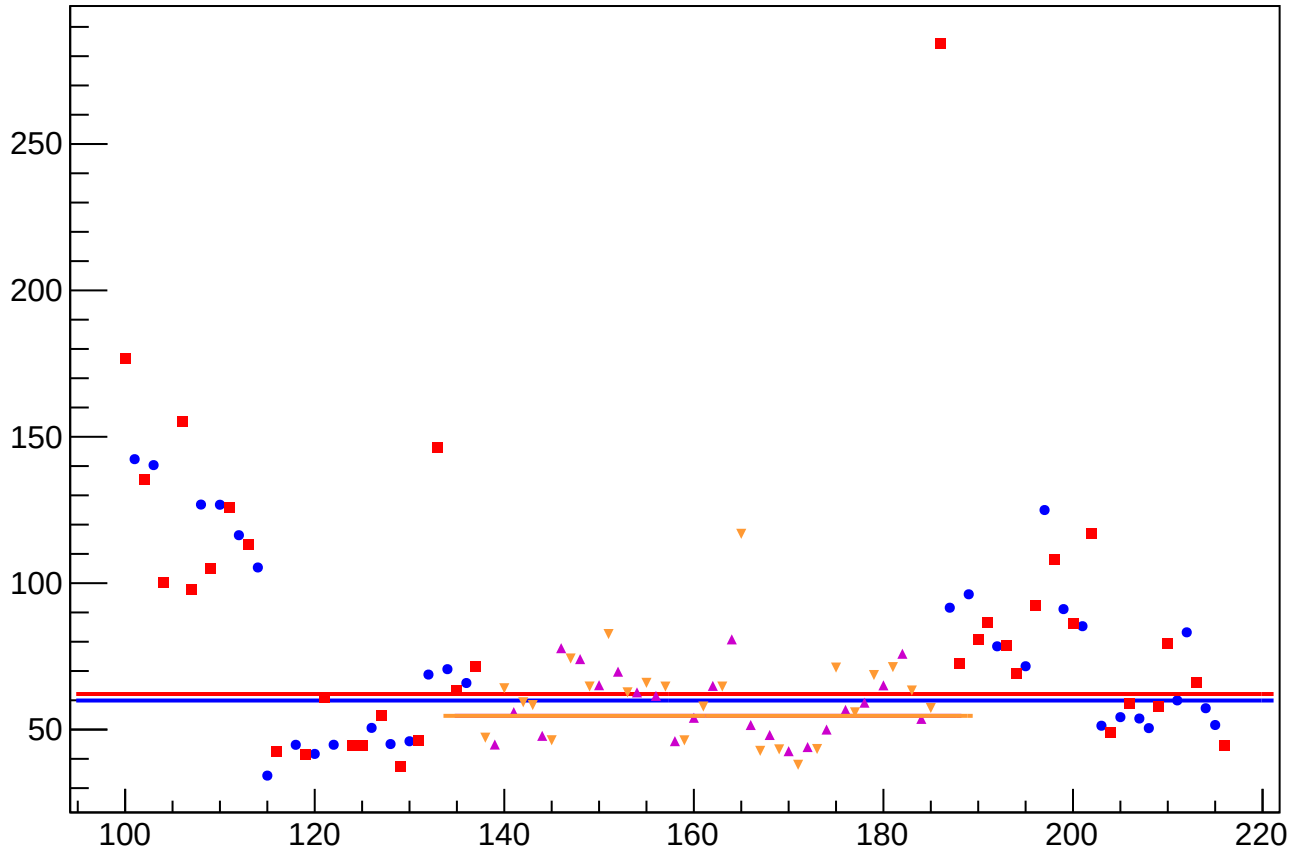
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.001+/-0.011 χ^2/NDF: 77.8/65

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.010+/-0.010 χ^2/NDF:80.9/59

All: 0.010+/-0.007 χ^2/NDF: 140.0/113



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: 62.143+/-0.011 χ^2/NDF: 4608417.3/34

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

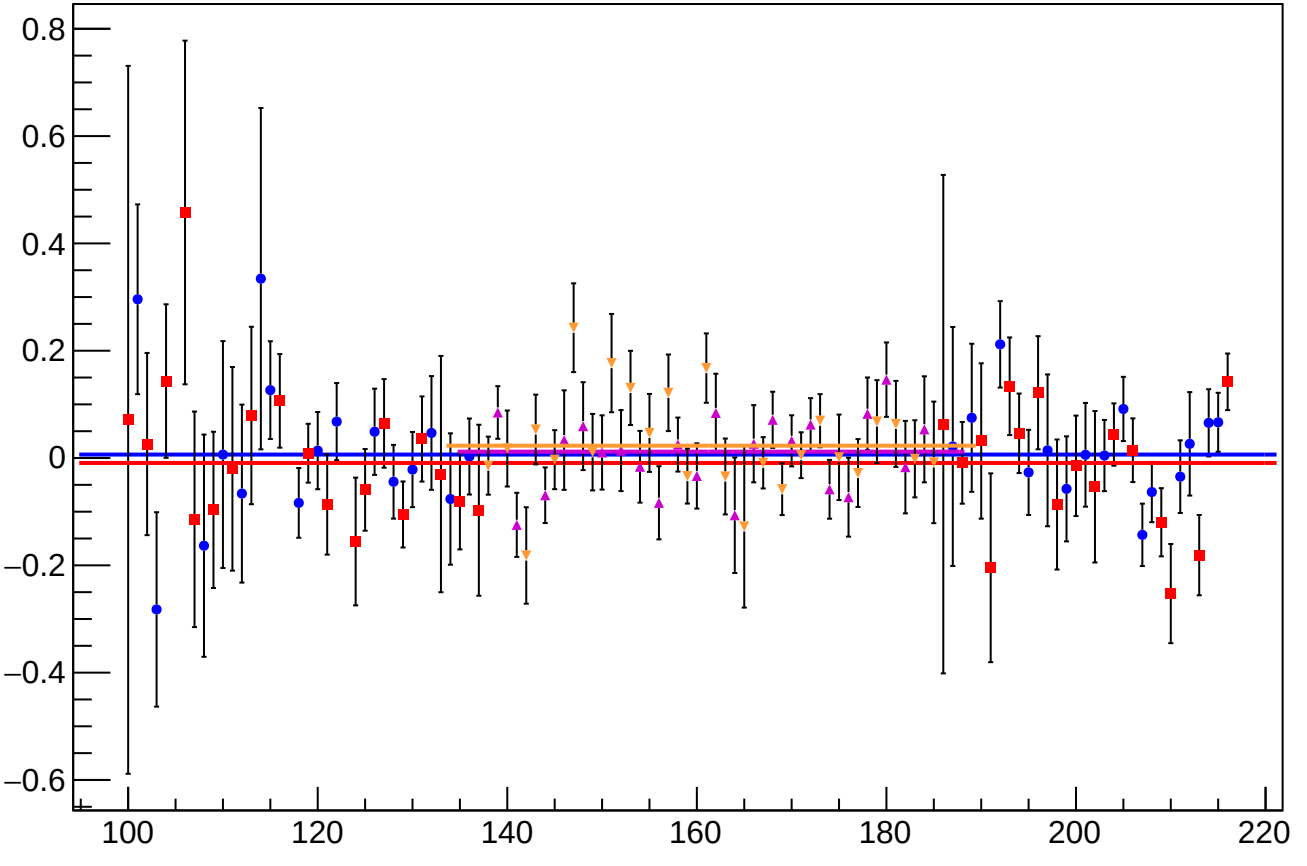
Right: 60.990+/-0.008 χ^2/NDF: 8255894.6/65

In: 57.000+/-0.007 χ^2/NDF:4954541.1/53

Out: 57.751+/-0.007 χ^2/NDF:6818375.3/59

All: 57.375+/-0.005 χ^2/NDF: 11778654.3/113

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.009+/-0.015 χ^2/NDF: 44.1/34

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

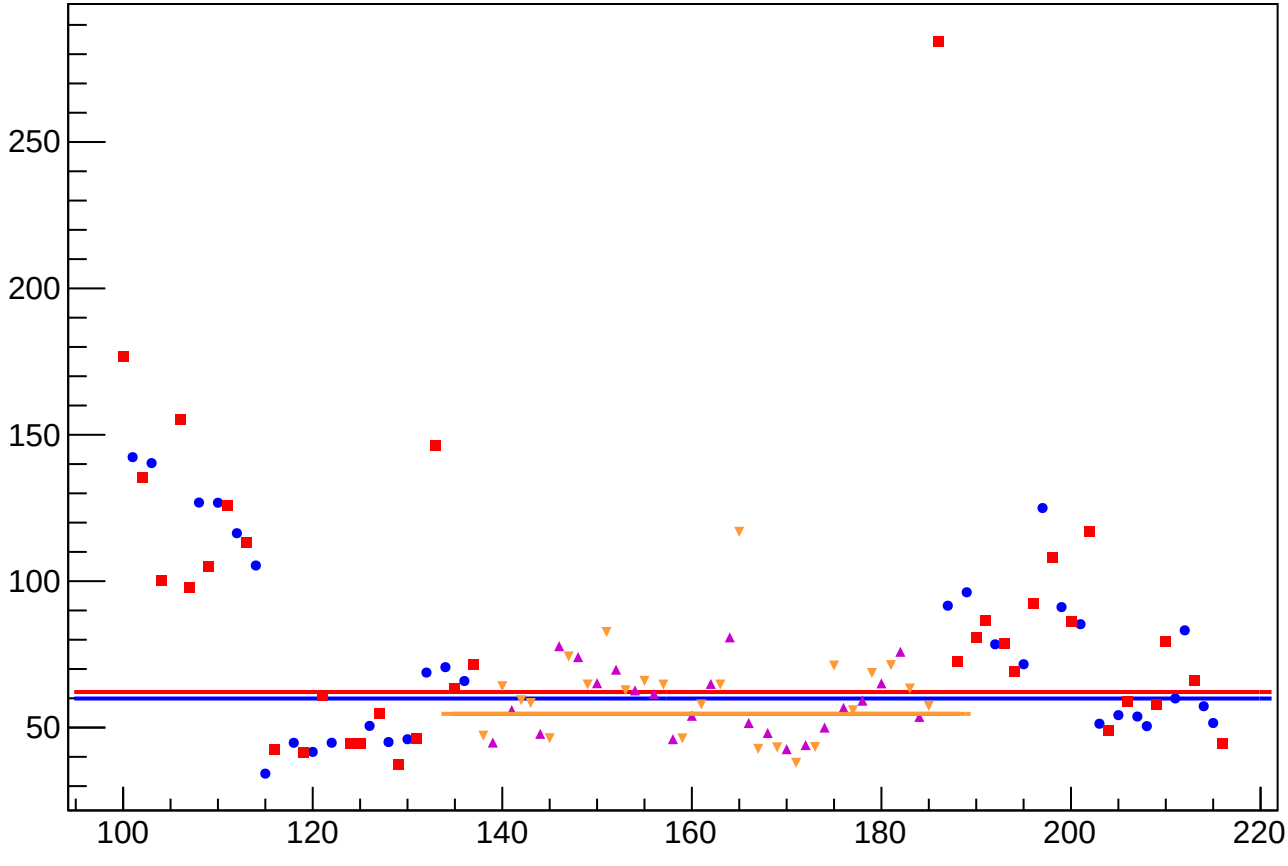
Right: -0.001+/-0.011 χ^2/NDF: 77.8/65

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.010+/-0.010 χ^2/NDF:80.9/59

All: 0.010+/-0.007 χ^2/NDF: 140.0/113

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: 62.143+/-0.011 χ^2/NDF: 4608417.3/34

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

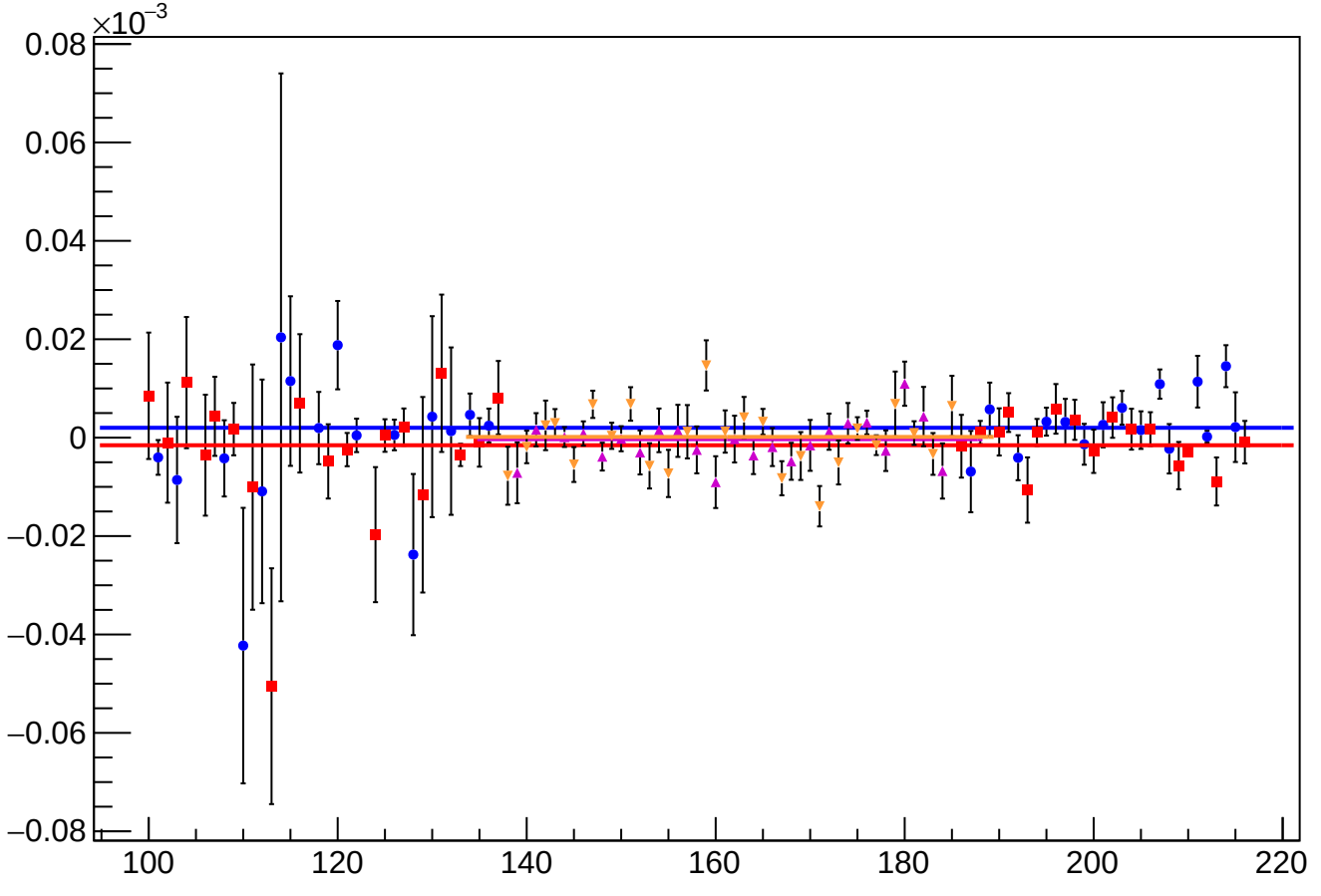
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 60.990+/-0.008 χ^2/NDF: 8255894.6/65

In: 57.000+/-0.007 χ^2/NDF:4954541.1/53

Out: 57.751+/-0.007 χ^2/NDF:6818375.3/59

All: 57.375+/-0.005 χ^2/NDF: 11778654.3/113



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: 34.4/34

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

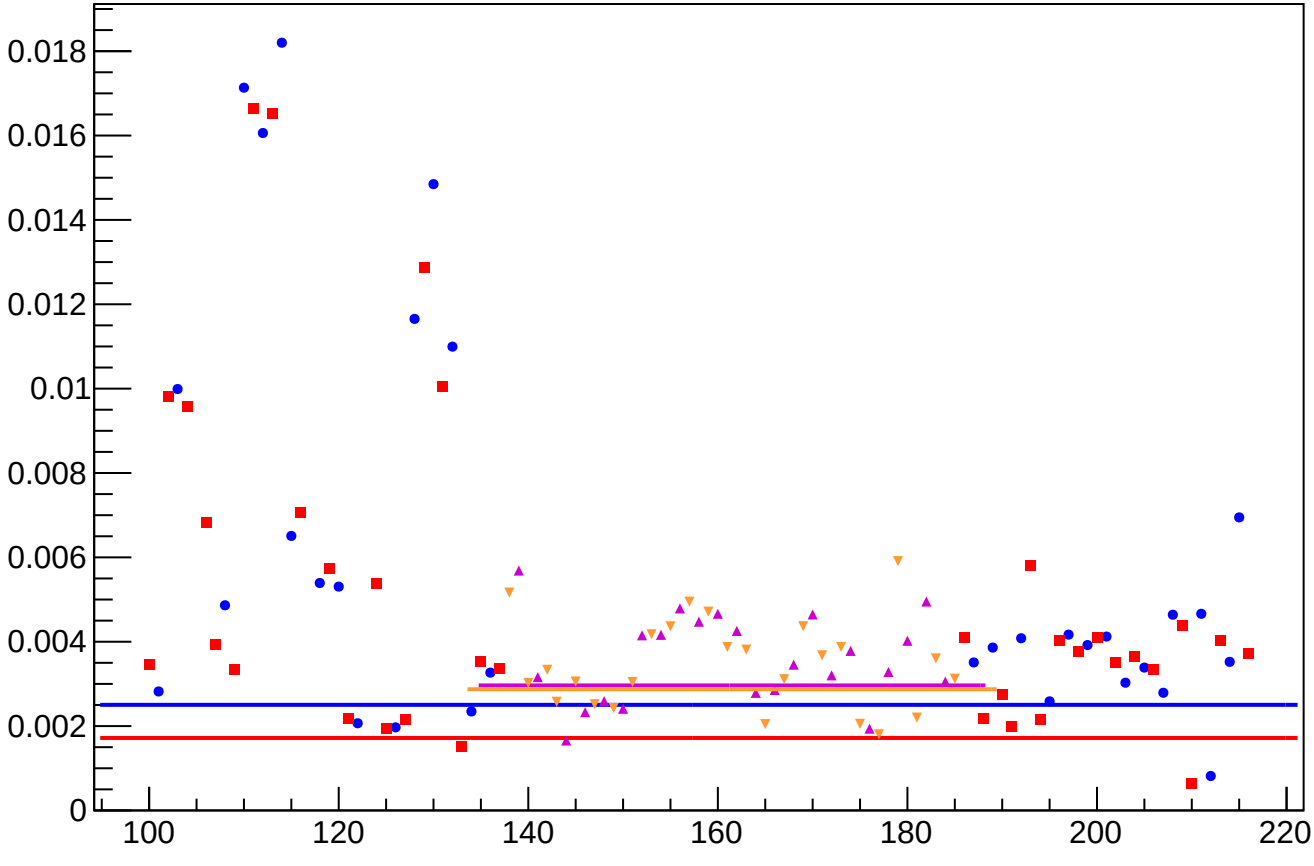
Right: -0.000+/-0.000 χ^2/NDF: 93.7/65

In: 0.000+/-0.000 χ^2/NDF:69.3/53

Out: -0.000+/-0.000 χ^2/NDF:91.9/59

All: -0.000+/-0.000 χ^2/NDF: 168.4/113

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: 16192600.5/34

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

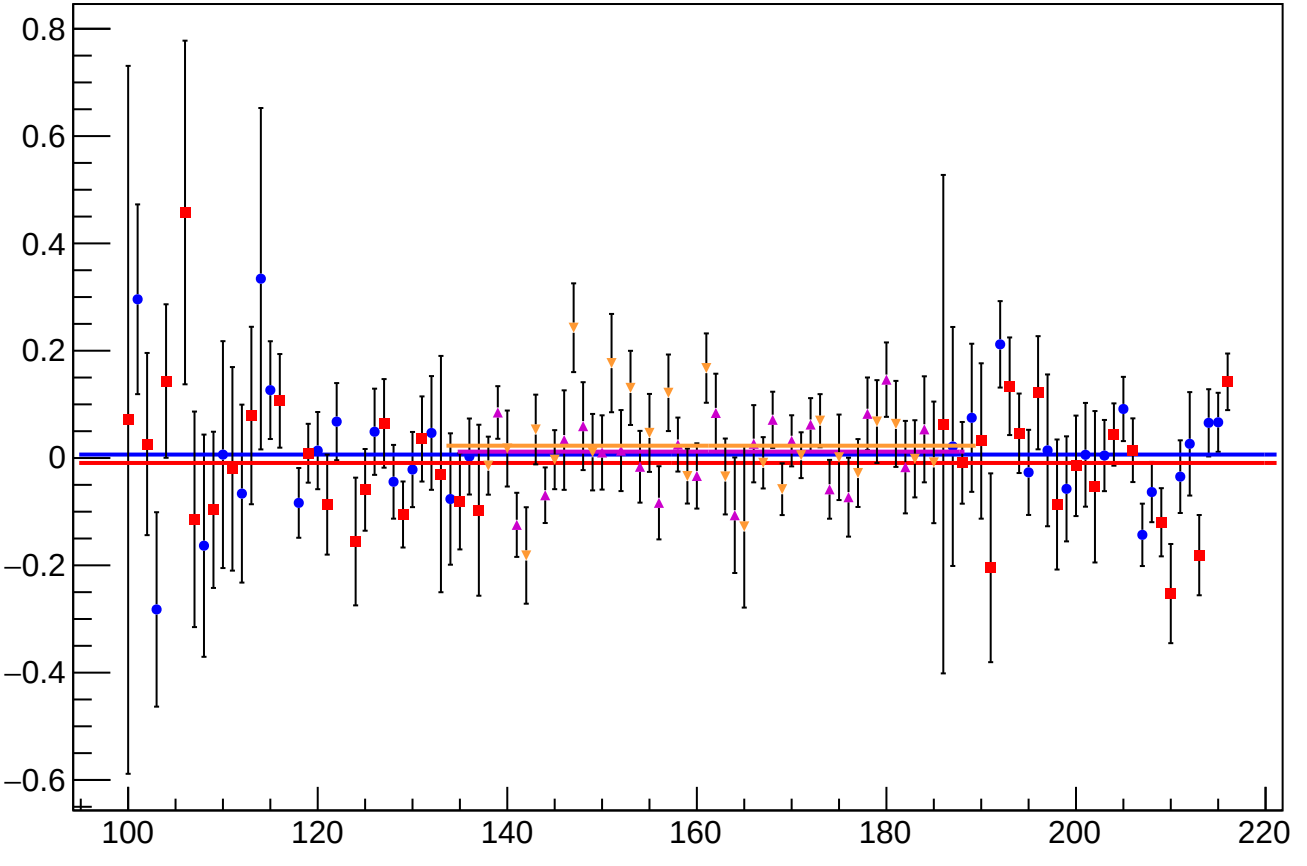
Right: 0.002+/-0.000 χ^2/NDF: 29443517.2/65

In: 0.003+/-0.000 χ^2/NDF:15737292.3/53

Out: 0.002+/-0.000 χ^2/NDF:23252855.9/59

All: 0.002+/-0.000 χ^2/NDF: 40421268.9/113

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.009+/-0.015 χ^2/NDF: 44.1/34

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

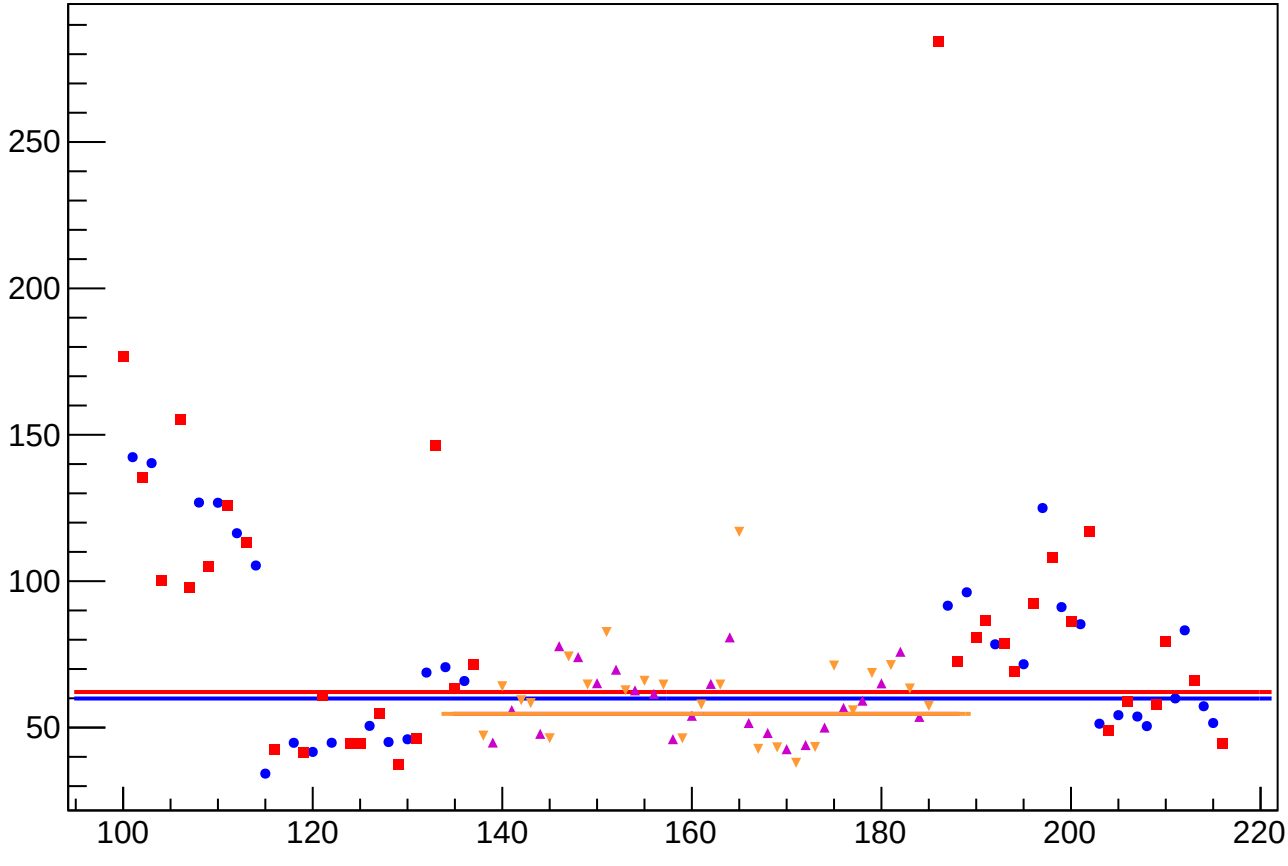
Right: -0.001+/-0.011 χ^2/NDF: 77.8/65

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.010+/-0.010 χ^2/NDF:80.9/59

All: 0.010+/-0.007 χ^2/NDF: 140.0/113

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: 62.142+/-0.011 χ^2/NDF: 4608402.8/34

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

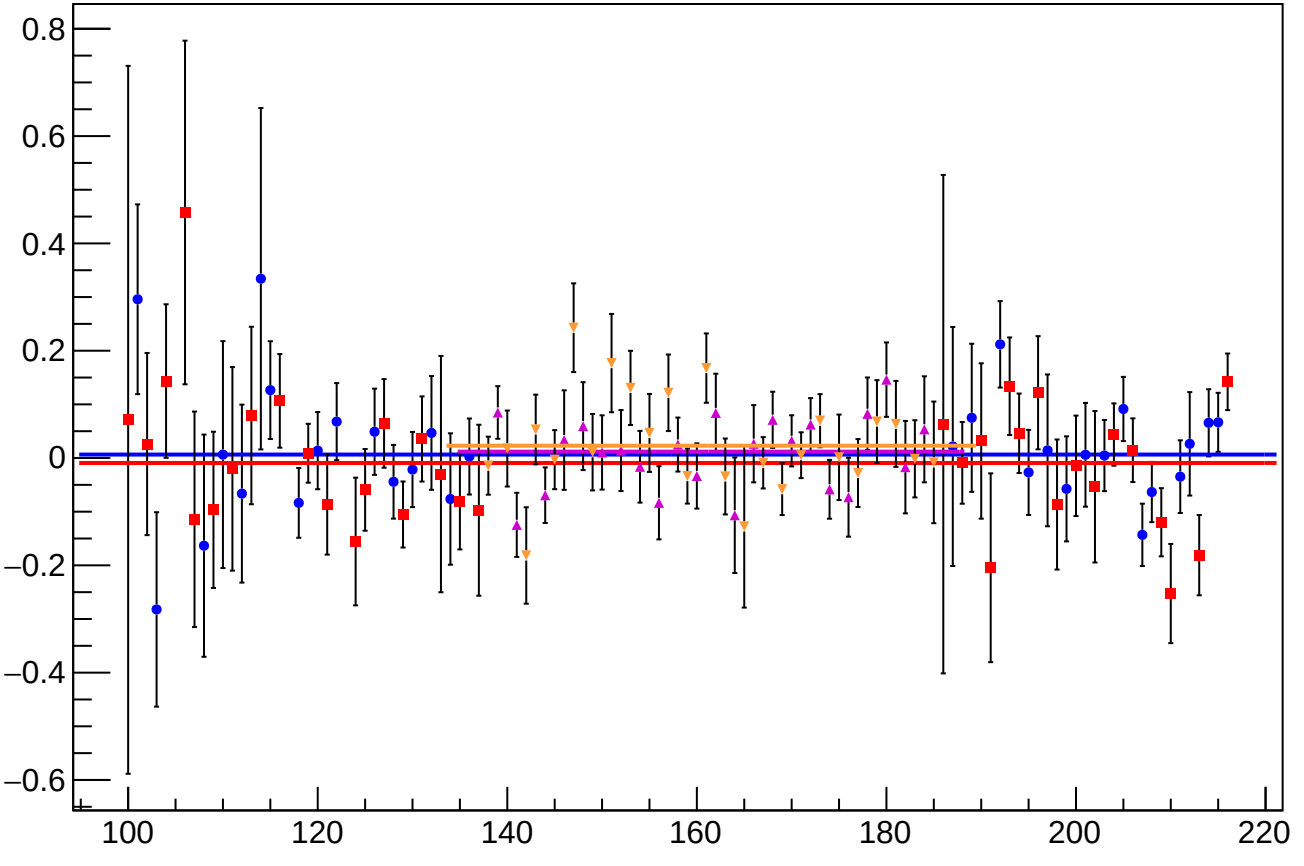
Right: 60.990+/-0.008 χ^2/NDF: 8255843.2/65

In: 57.000+/-0.007 χ^2/NDF:4954438.5/53

Out: 57.751+/-0.007 χ^2/NDF:6818309.7/59

All: 57.375+/-0.005 χ^2/NDF: 11778484.8/113

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.009+/-0.015 χ^2/NDF: 44.1/34

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

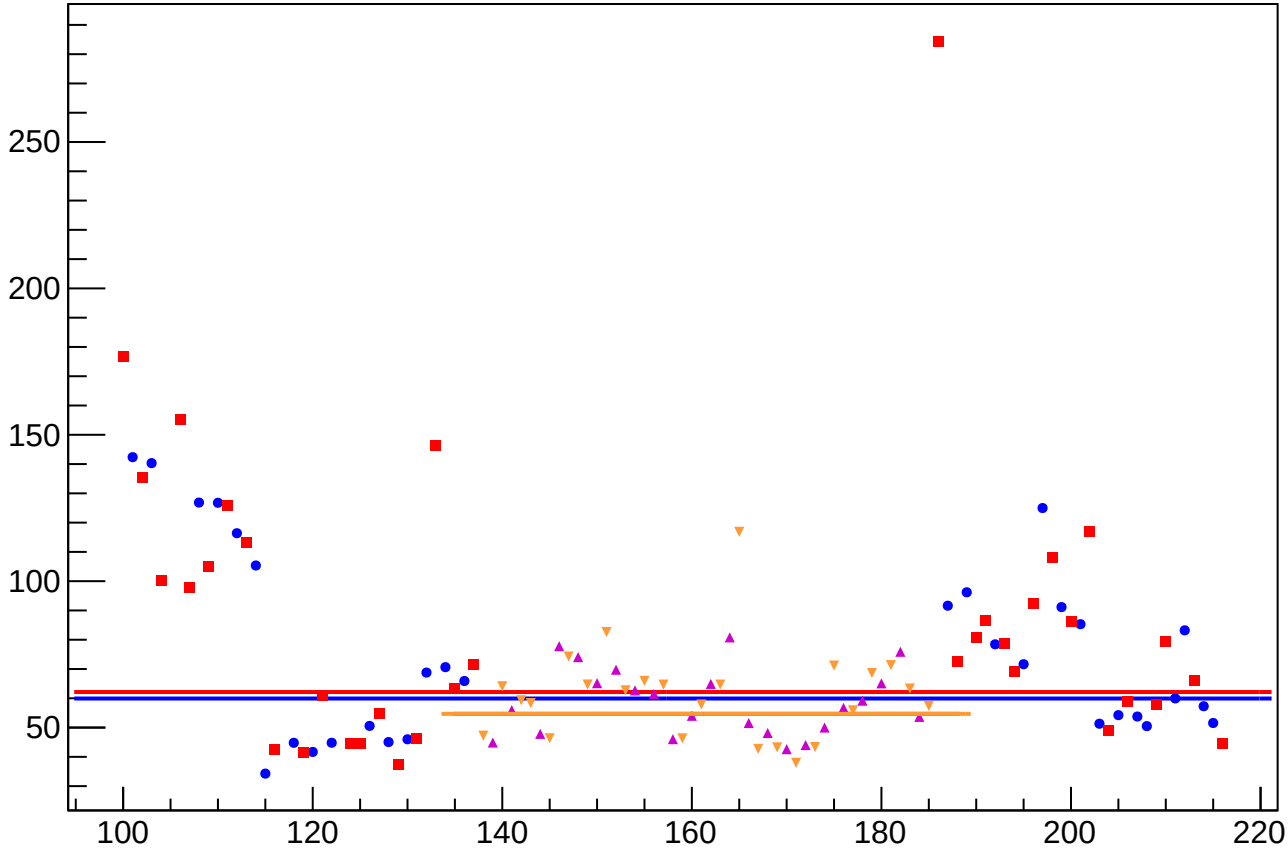
Right: -0.001+/-0.011 χ^2/NDF: 77.8/65

In: 0.009+/-0.010 χ^2/NDF:59.1/53

Out: 0.010+/-0.010 χ^2/NDF:80.9/59

All: 0.010+/-0.007 χ^2/NDF: 140.0/113

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: 62.142+/-0.011 χ^2/NDF: 4608402.8/34

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

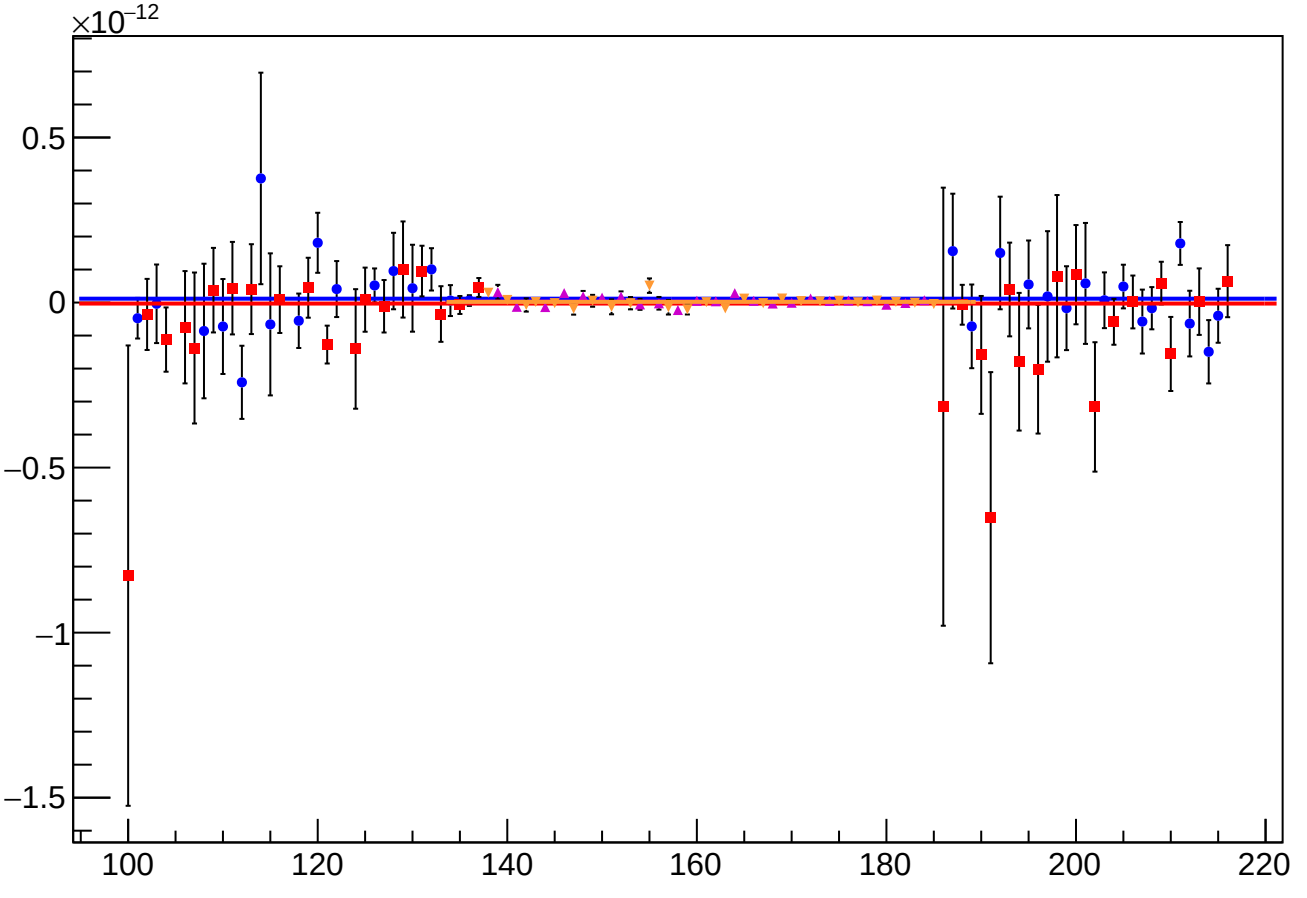
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 60.990+/-0.008 χ^2/NDF: 8255843.2/65

In: 57.000+/-0.007 χ^2/NDF:4954438.5/53

Out: 57.751+/-0.007 χ^2/NDF:6818309.7/59

All: 57.375+/-0.005 χ^2/NDF: 11778484.8/113



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: 26.2/34

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

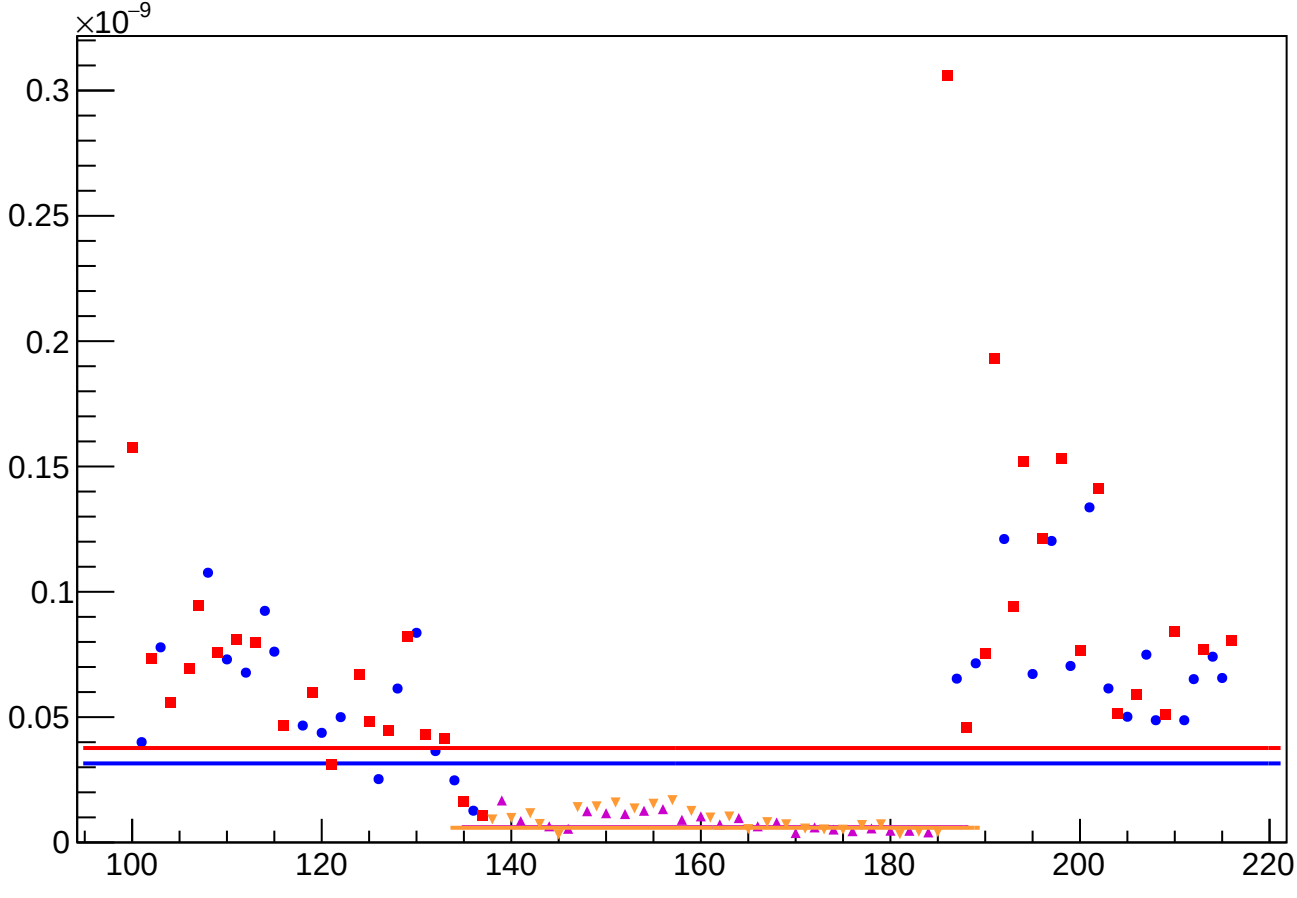
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 56.0/65

In: 0.000+/-0.000 χ^2/NDF:62.8/53

Out: 0.000+/-0.000 χ^2/NDF:47.0/59

All: 0.000+/-0.000 χ^2/NDF: 110.0/113



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: 8943130.8/34

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

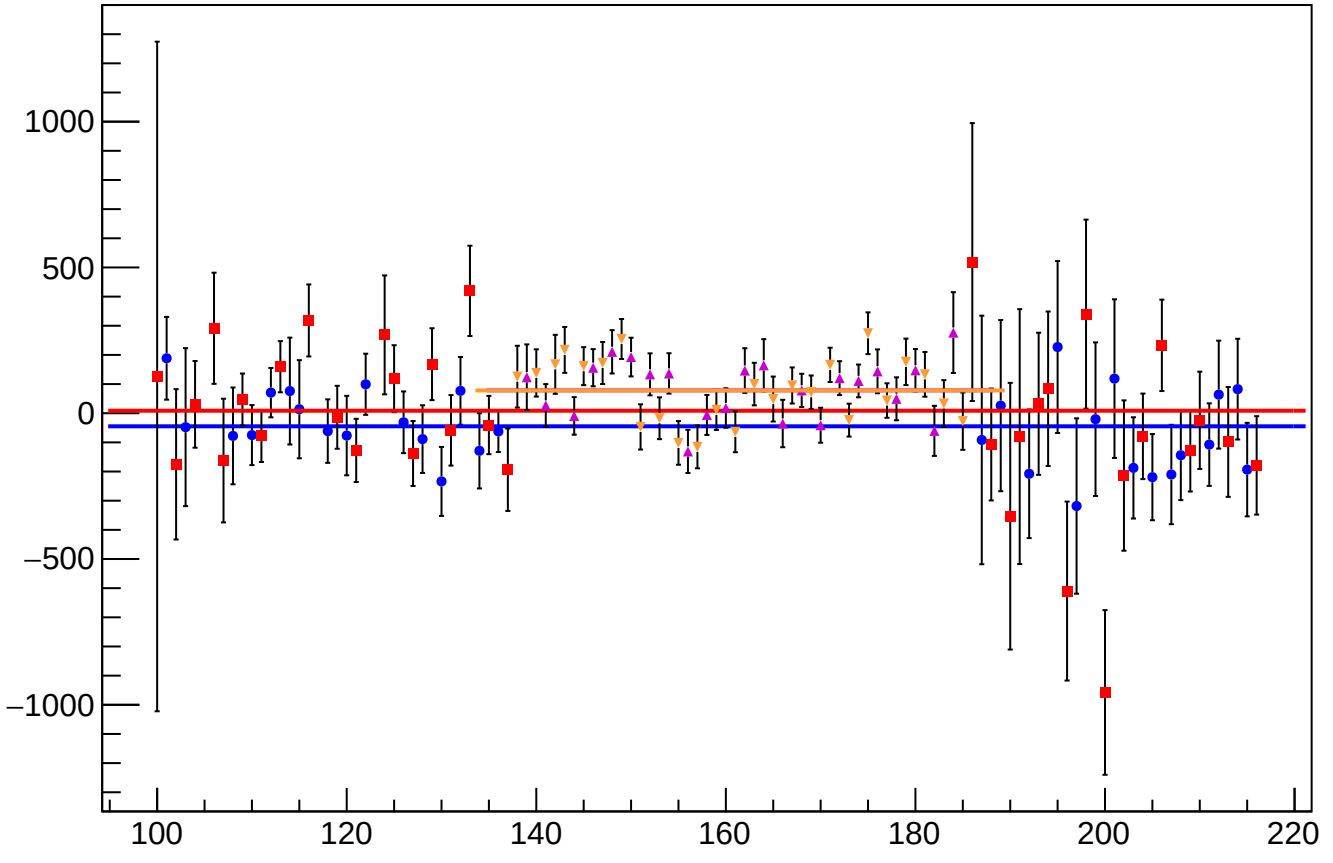
Right: 0.000+/-0.000 χ^2/NDF: 18034699.8/65

In: 0.000+/-0.000 χ^2/NDF:21676726.4/53

Out: 0.000+/-0.000 χ^2/NDF:25461344.8/59

All: 0.000+/-0.000 χ^2/NDF: 47176016.6/113

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



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: 8.582+/-25.051 χ^2/NDF: 55.8/34

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

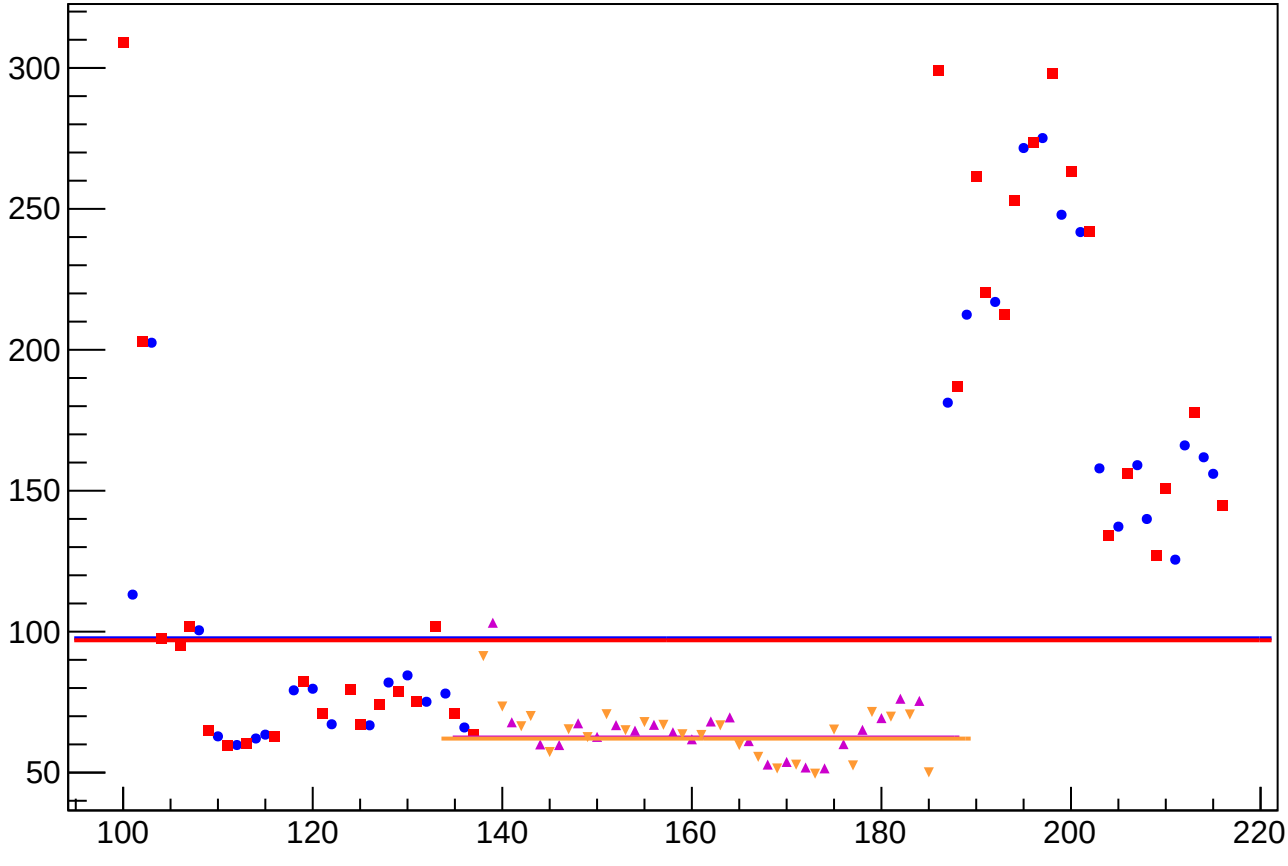
Right: -18.113+/-17.720 χ^2/NDF: 77.6/65

In: 46.587+/-12.752 χ^2/NDF:74.1/53

Out: 61.013+/-12.436 χ^2/NDF:115.5/59

All: 53.981+/-8.903 χ^2/NDF: 190.3/113

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



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: 96.944+/-0.018 χ^2/NDF: 8617220.4/34

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

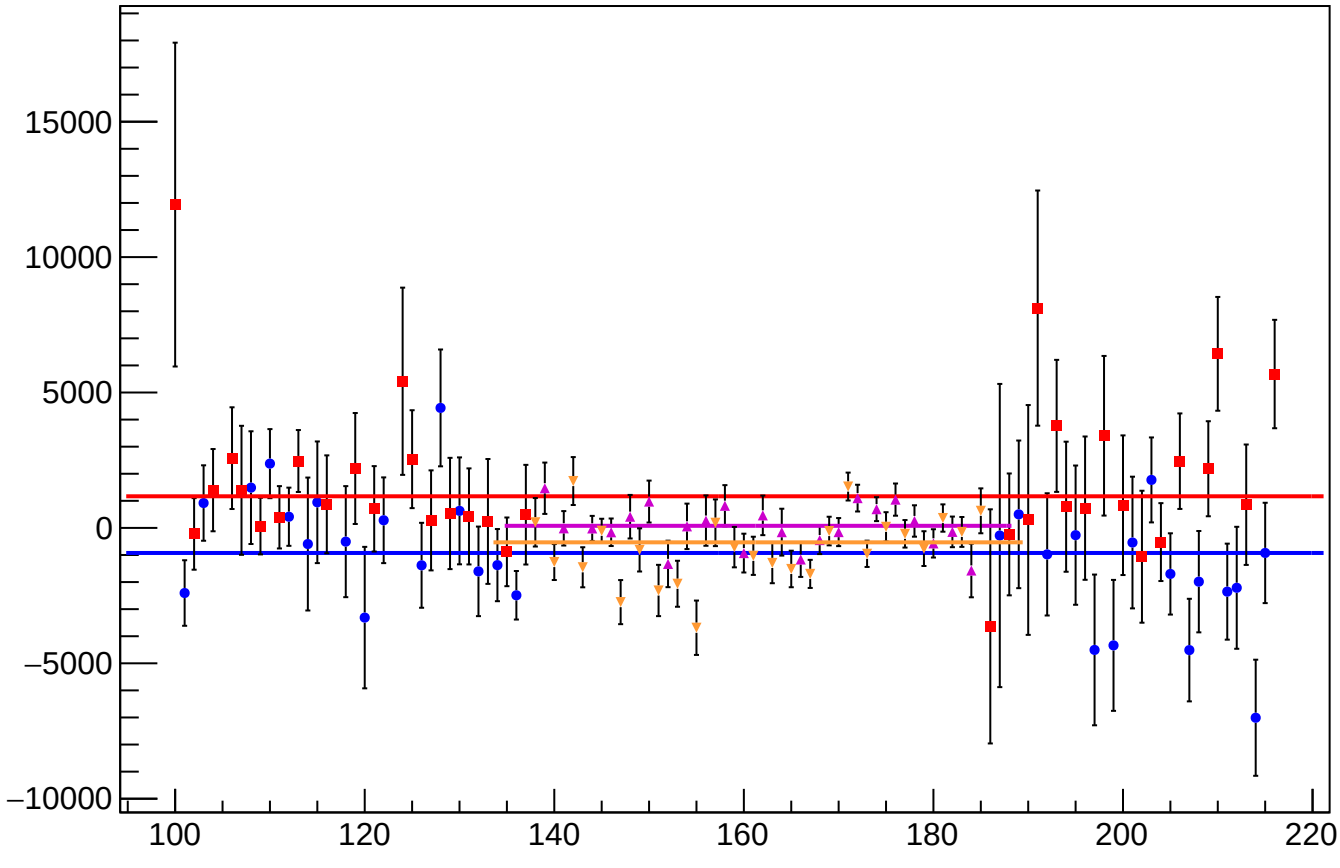
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 97.294+/-0.013 χ^2/NDF: 16002627.8/65

In: 71.554+/-0.009 χ^2/NDF:10972333.4/53

Out: 70.658+/-0.009 χ^2/NDF:12225775.1/59

All: 71.095+/-0.006 χ^2/NDF: 23203163.8/113



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: 1167.736+/-311.539 χ^2/NDF: 34.2/34

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

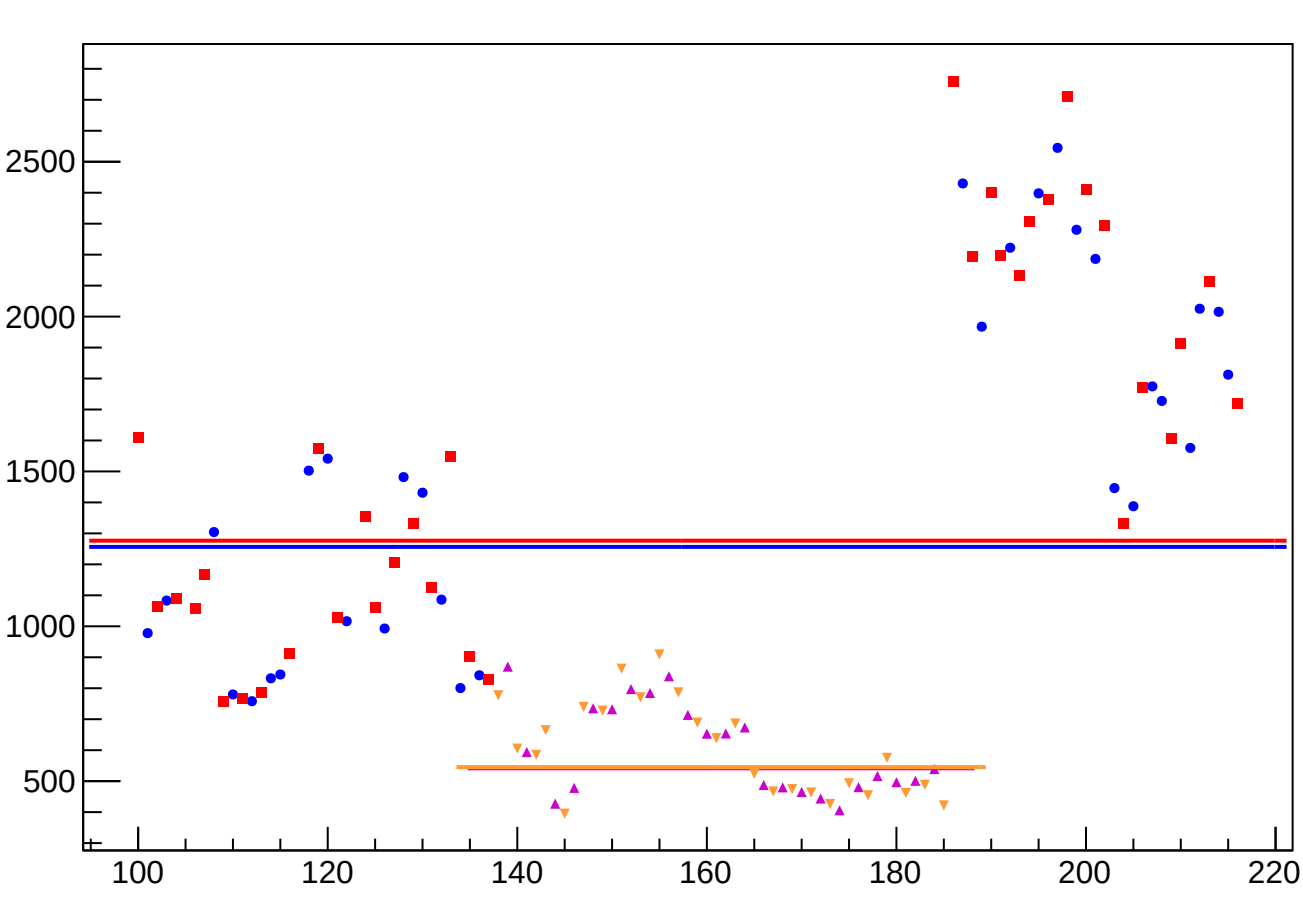
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 109.740+/-219.077 χ^2/NDF: 102.4/65

In: -74.735+/-120.024 χ^2/NDF:82.7/53

Out: -287.418+/-118.338 χ^2/NDF:128.8/59

All: -182.581+/-84.268 χ^2/NDF: 213.1/113



Right In: 1256.377+/-0.218 χ^2/NDF: 4964819.7/30

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1276.456+/-0.220 χ^2/NDF: 5674108.2/34

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

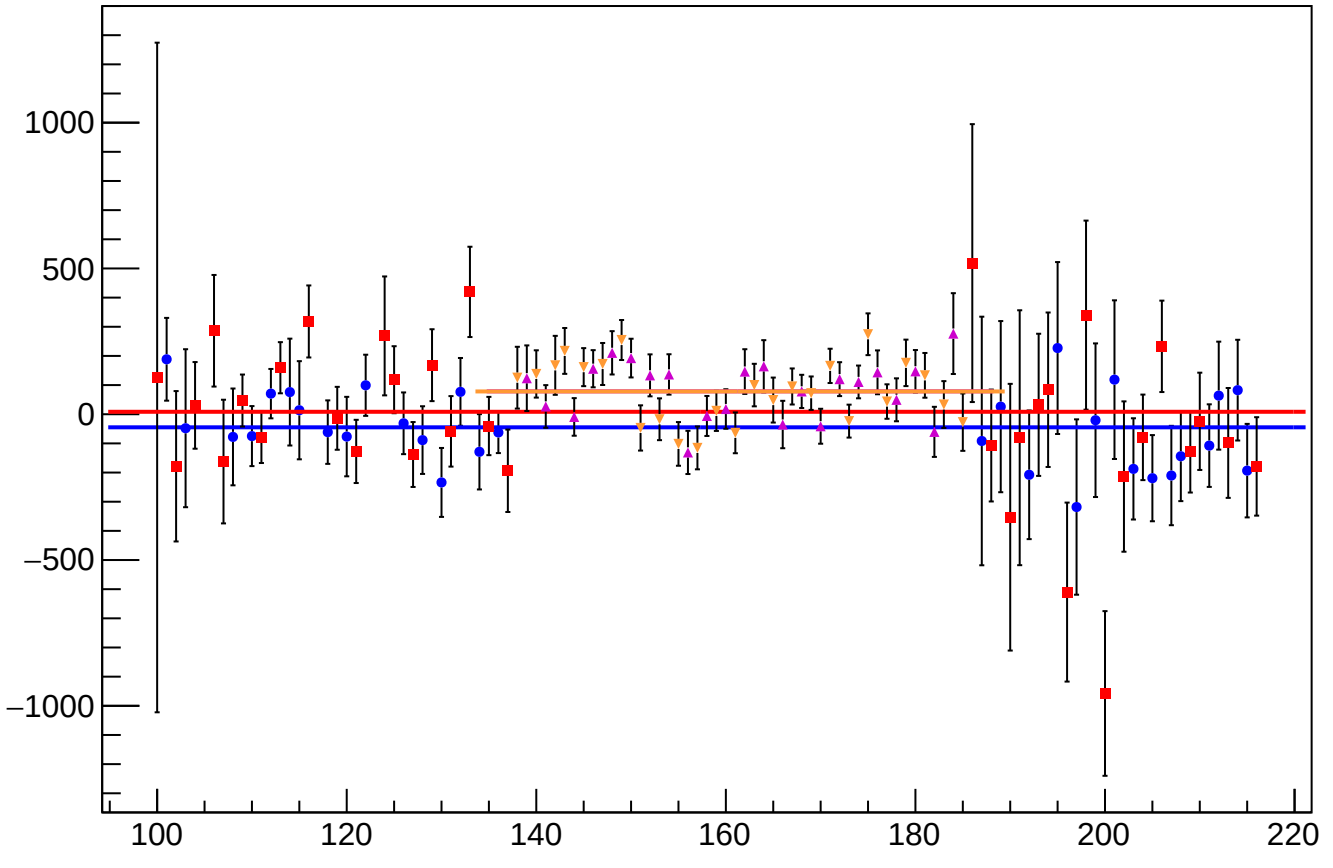
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1266.306+/-0.155 χ^2/NDF: 10643127.1/65

In: 649.931+/-0.085 χ^2/NDF:15937994.4/53

Out: 650.799+/-0.084 χ^2/NDF:17184260.5/59

All: 650.371+/-0.060 χ^2/NDF: 33122308.0/1



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: 8.424+/-25.053 χ^2/NDF: 55.7/34

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

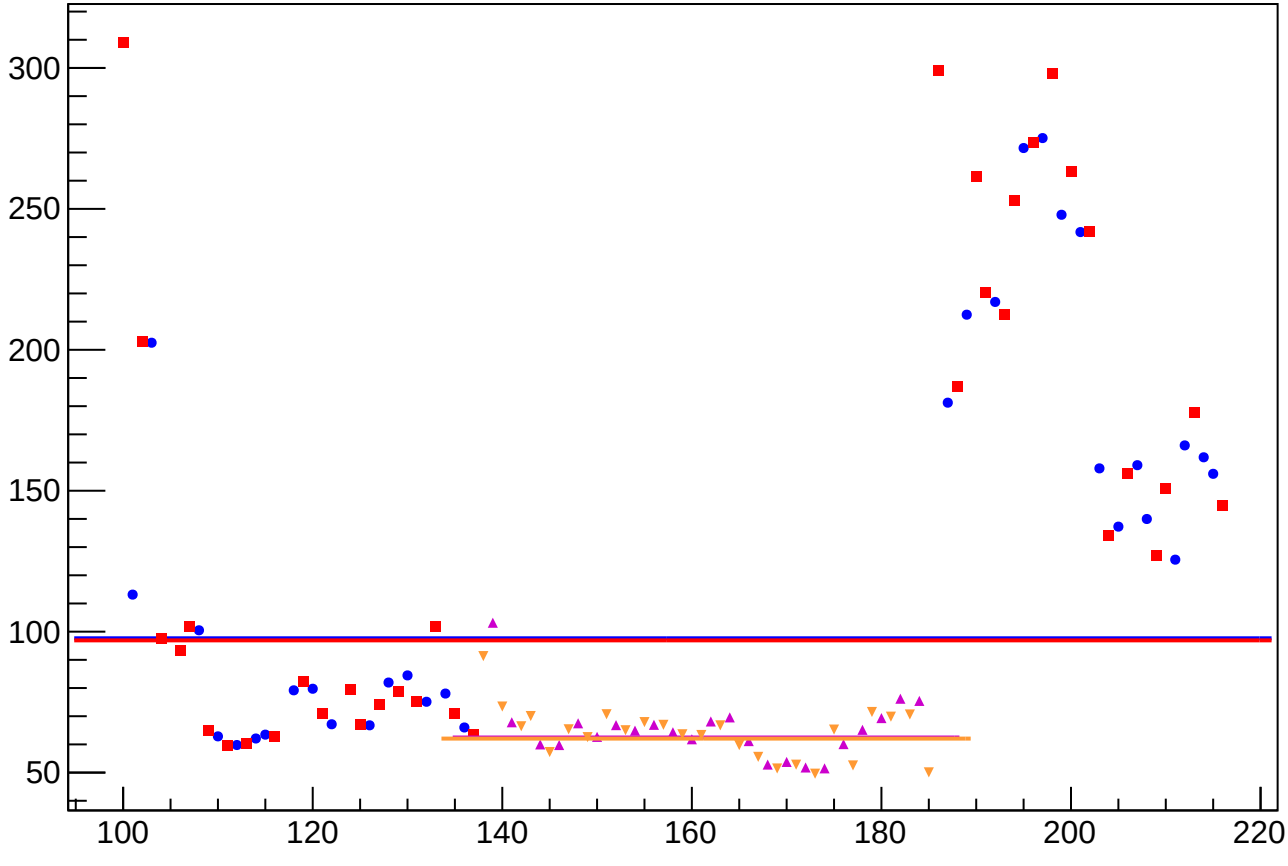
Right: -18.197+/-17.720 χ^2/NDF: 77.5/65

In: 46.585+/-12.752 χ^2/NDF:74.1/53

Out: 60.979+/-12.436 χ^2/NDF:115.4/59

All: 53.962+/-8.903 χ^2/NDF: 190.2/113

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



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: 96.915+/-0.018 χ^2/NDF: 8617952.9/34

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

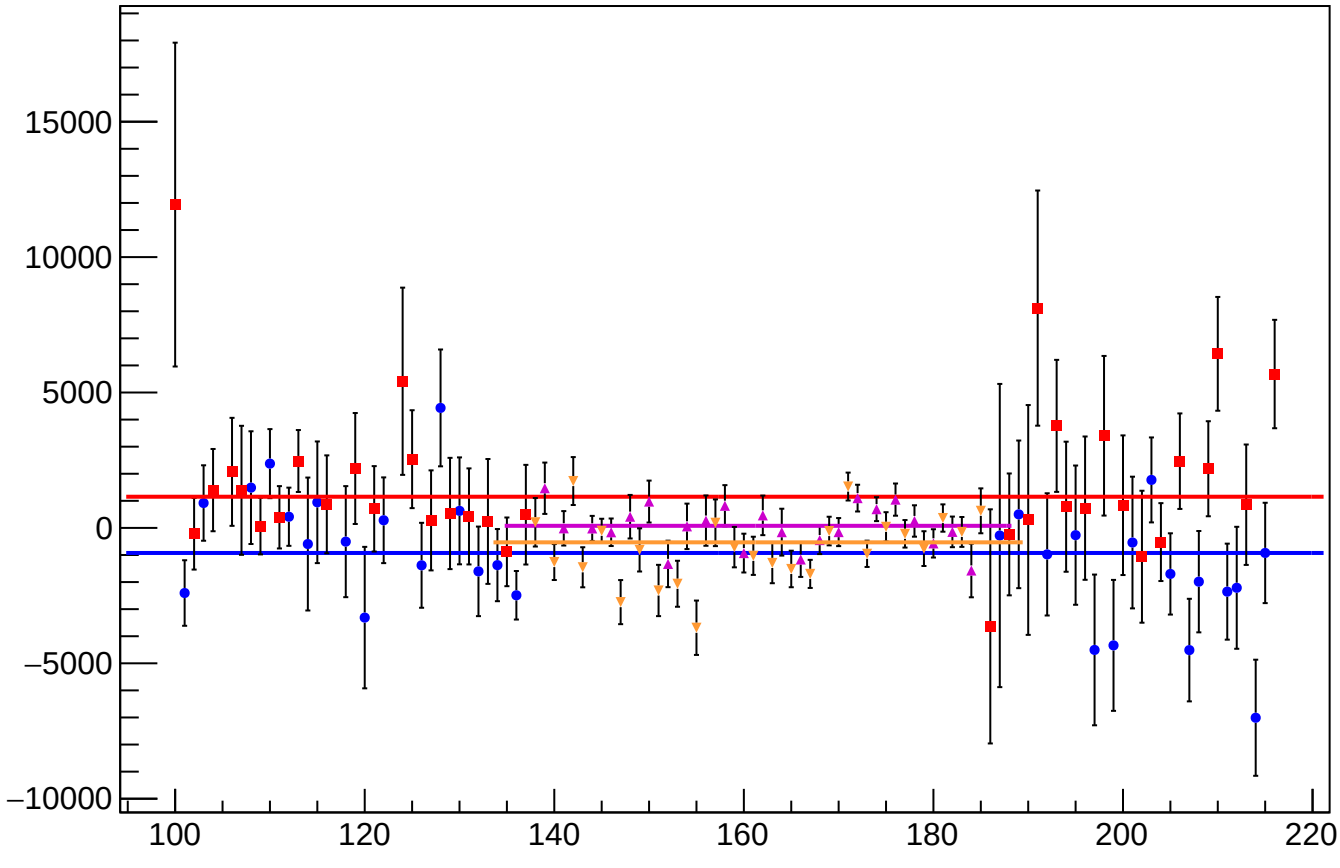
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 97.280+/-0.013 χ^2/NDF: 16003428.4/65

In: 71.554+/-0.009 χ^2/NDF:10972335.4/53

Out: 70.650+/-0.009 χ^2/NDF:12221335.6/59

All: 71.091+/-0.006 χ^2/NDF: 23198818.3/113



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: 1151.477+/-312.039 χ^2/NDF: 33.8/34

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

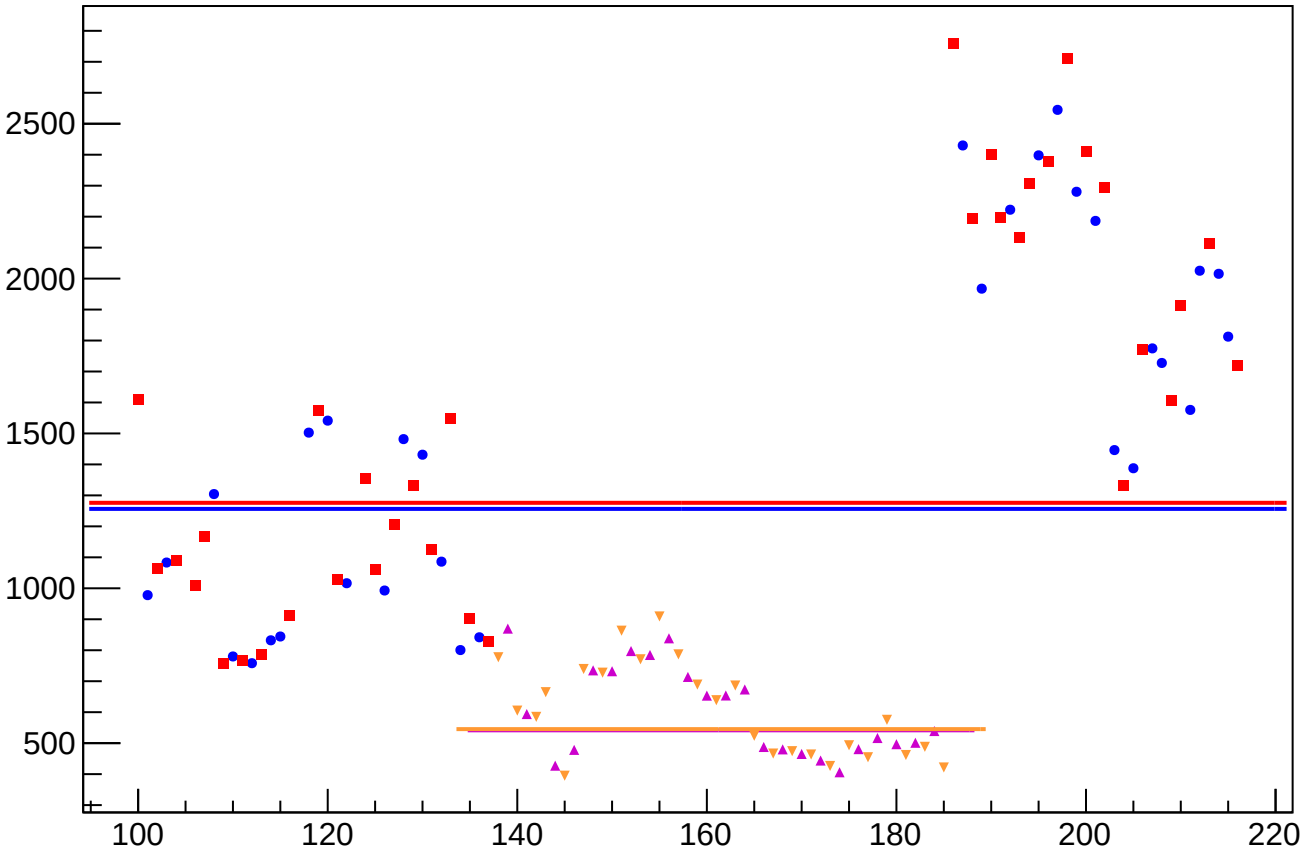
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 100.043+/-219.251 χ^2/NDF: 101.6/65

In: -74.734+/-120.025 χ^2/NDF:82.7/53

Out: -290.427+/-118.365 χ^2/NDF:127.8/59

All: -184.082+/-84.277 χ^2/NDF: 212.2/113



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: 1276.023+/-0.221 χ^2/NDF: 5682345.9/34

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

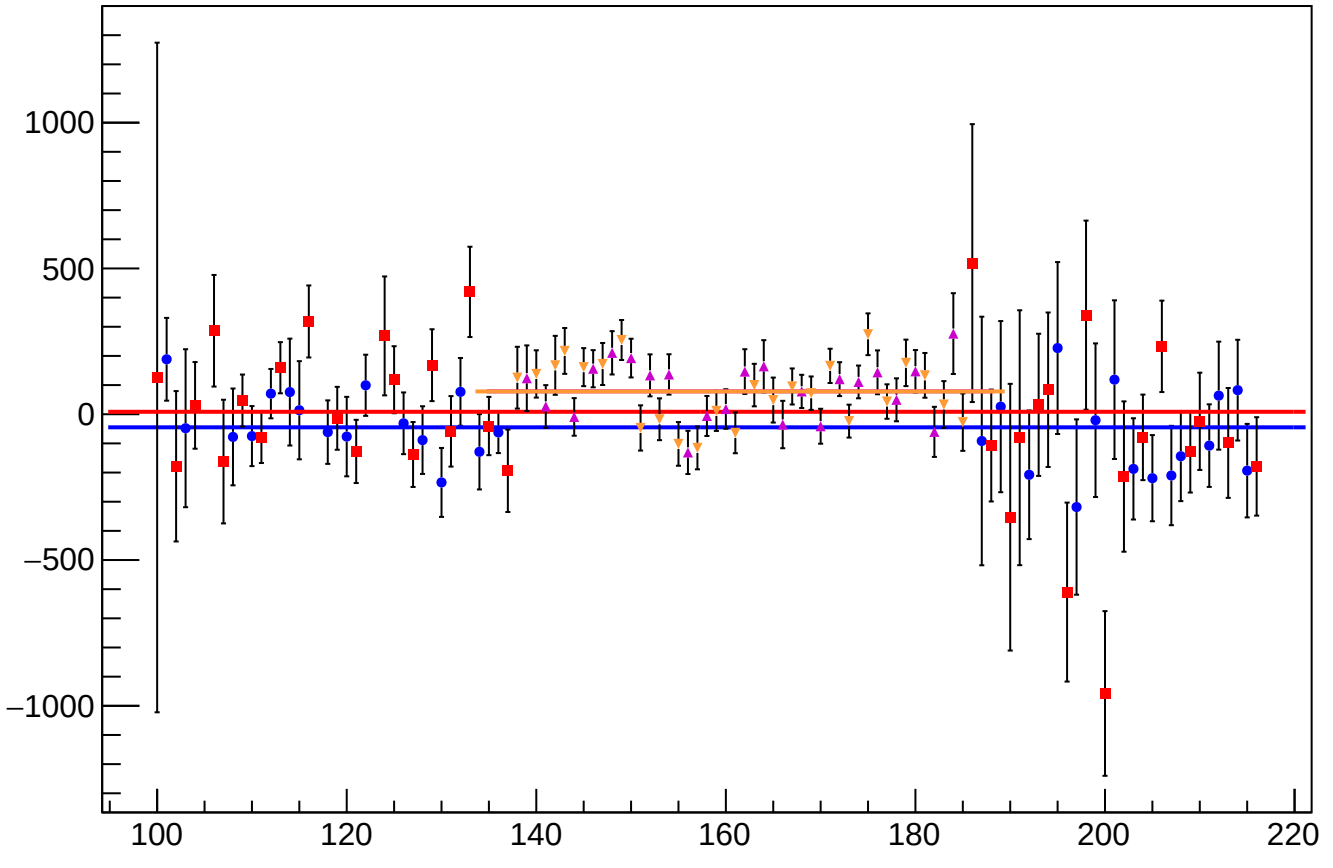
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1266.080+/-0.155 χ^2/NDF: 10651137.2/65

In: 649.931+/-0.085 χ^2/NDF:15938049.7/53

Out: 650.448+/-0.084 χ^2/NDF:17155533.5/59

All: 650.193+/-0.060 χ^2/NDF: 33093601.9/11



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: 8.424+/-25.053 χ^2/NDF: 55.7/34

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

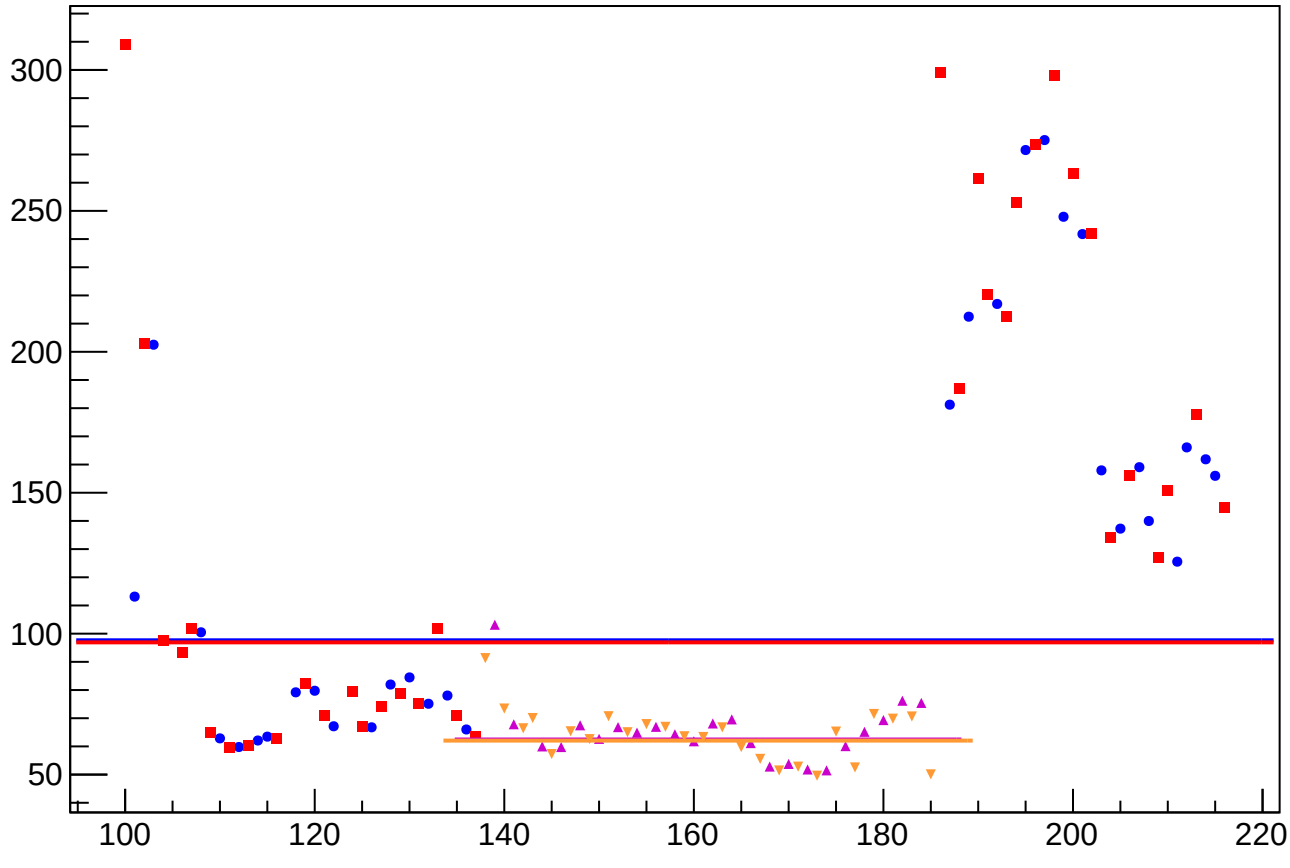
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -18.197+/-17.720 χ^2/NDF: 77.5/65

In: 46.585+/-12.752 χ^2/NDF:74.1/53

Out: 60.979+/-12.436 χ^2/NDF:115.4/59

All: 53.962+/-8.903 χ^2/NDF: 190.2/113



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: 96.915+/-0.018 χ^2/NDF: 8617952.9/34

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

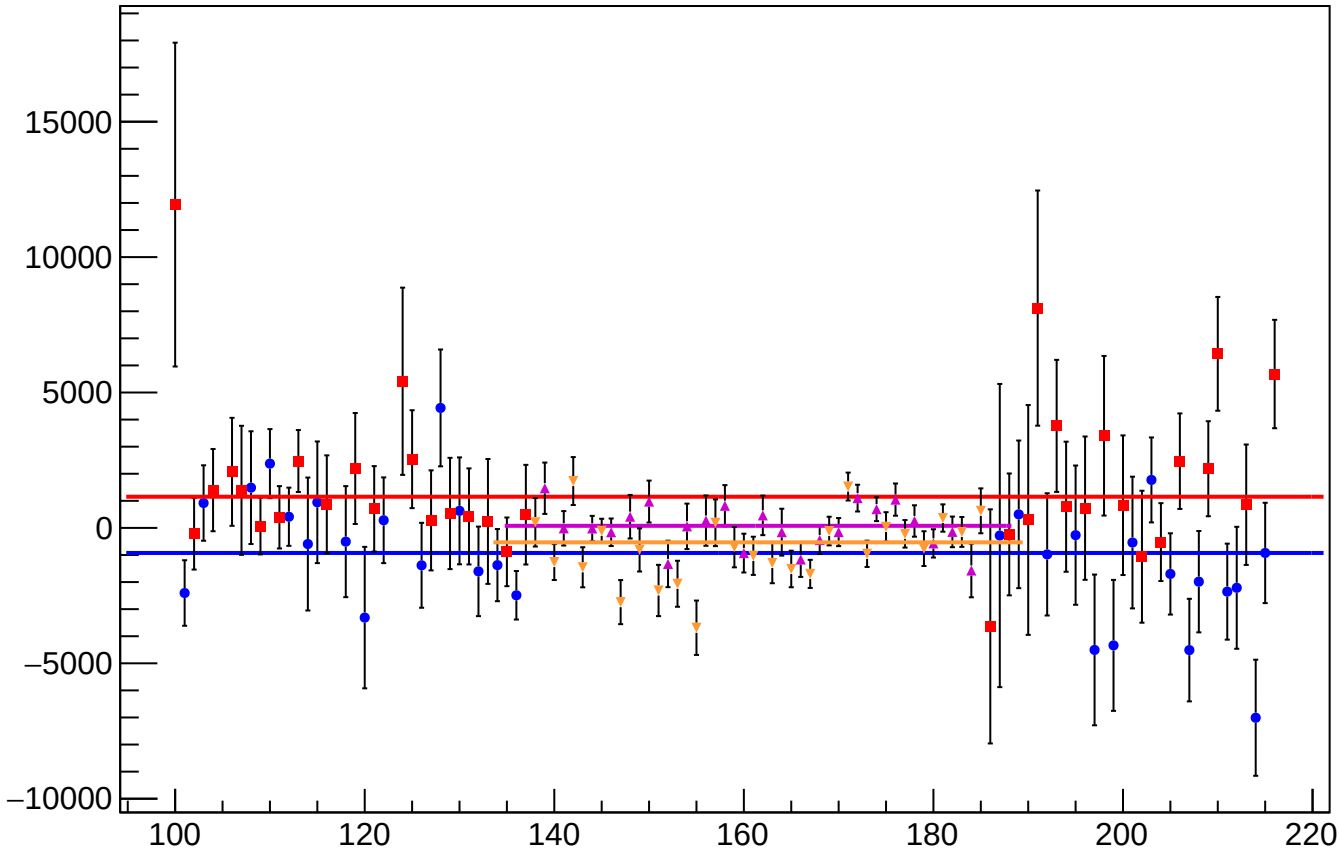
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 97.280+/-0.013 χ^2/NDF: 16003428.4/65

In: 71.554+/-0.009 χ^2/NDF:10972335.4/53

Out: 70.650+/-0.009 χ^2/NDF:12221335.6/59

All: 71.091+/-0.006 χ^2/NDF: 23198818.3/113



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: 1151.477+/-312.039 χ^2/NDF: 33.8/34

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

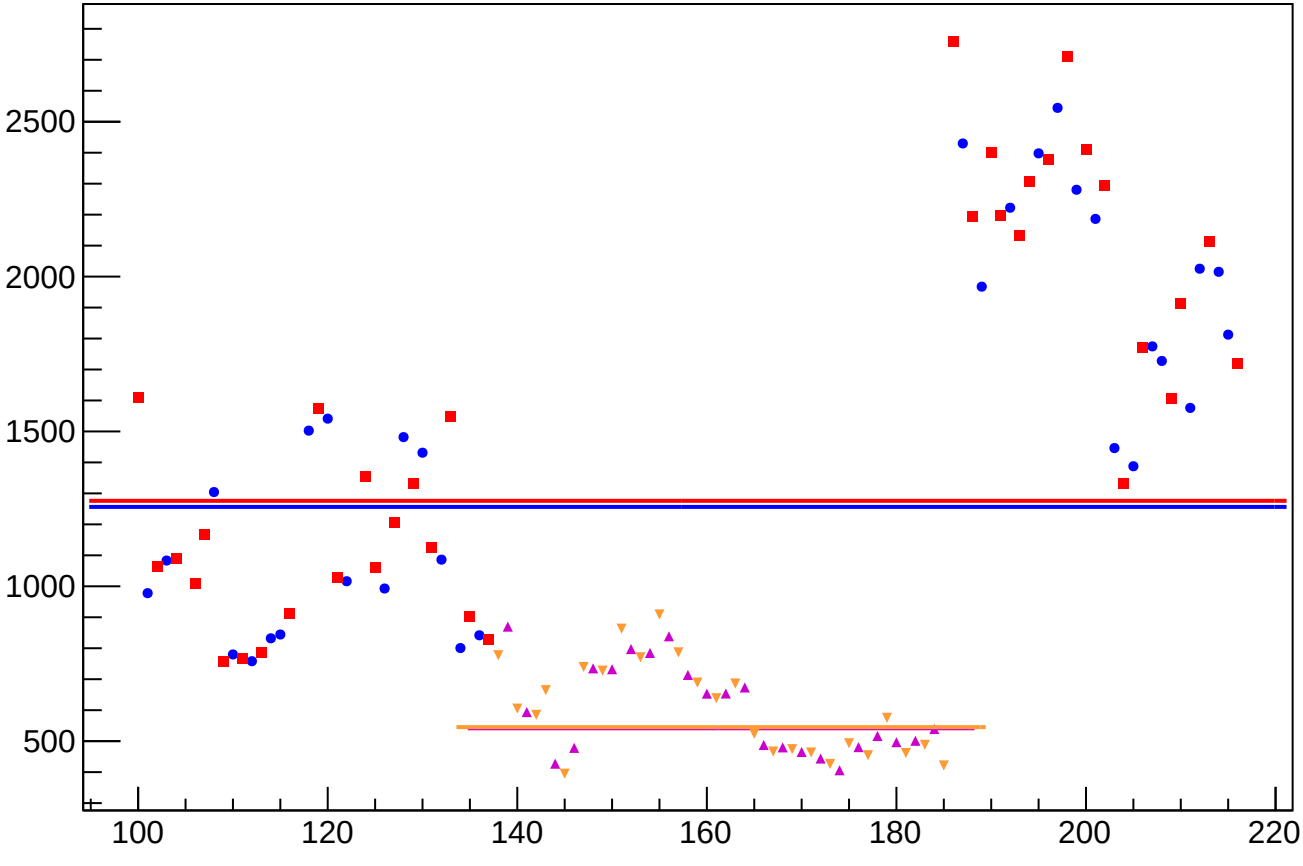
Right: 100.043+/-219.251 χ^2/NDF: 101.6/65

In: -74.734+/-120.025 χ^2/NDF:82.7/53

Out: -290.427+/-118.365 χ^2/NDF:127.8/59

All: -184.082+/-84.277 χ^2/NDF: 212.2/113

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: 1276.023+/-0.221 χ^2/NDF: 5682345.9/34

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

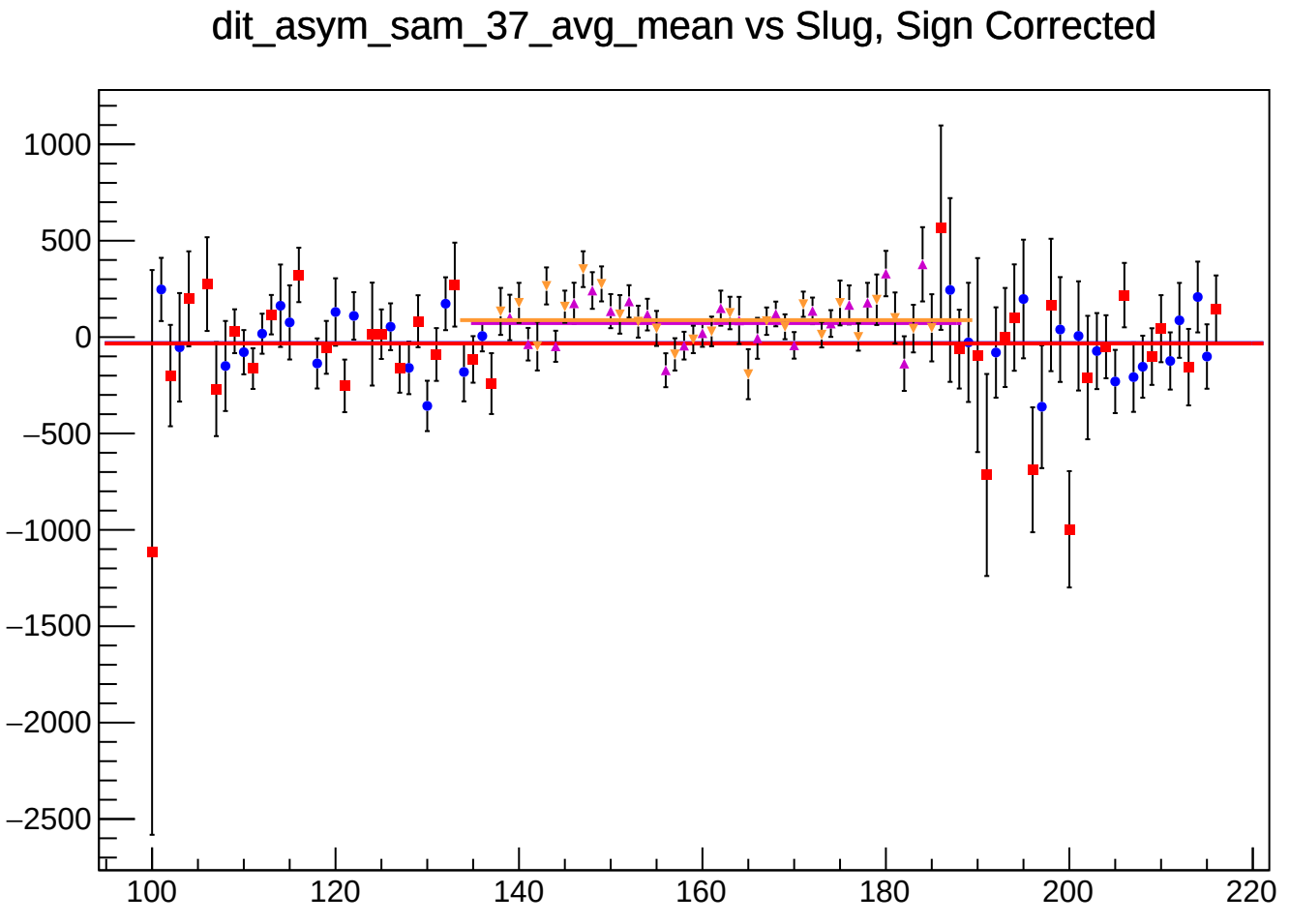
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1266.080+/-0.155 χ^2/NDF: 10651137.2/65

In: 649.931+/-0.085 χ^2/NDF:15938049.7/53

Out: 650.448+/-0.084 χ^2/NDF:17155533.5/59

All: 650.193+/-0.060 χ^2/NDF: 33093601.9/1



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: -33.216+/-29.193 χ^2/NDF: 45.9/34

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

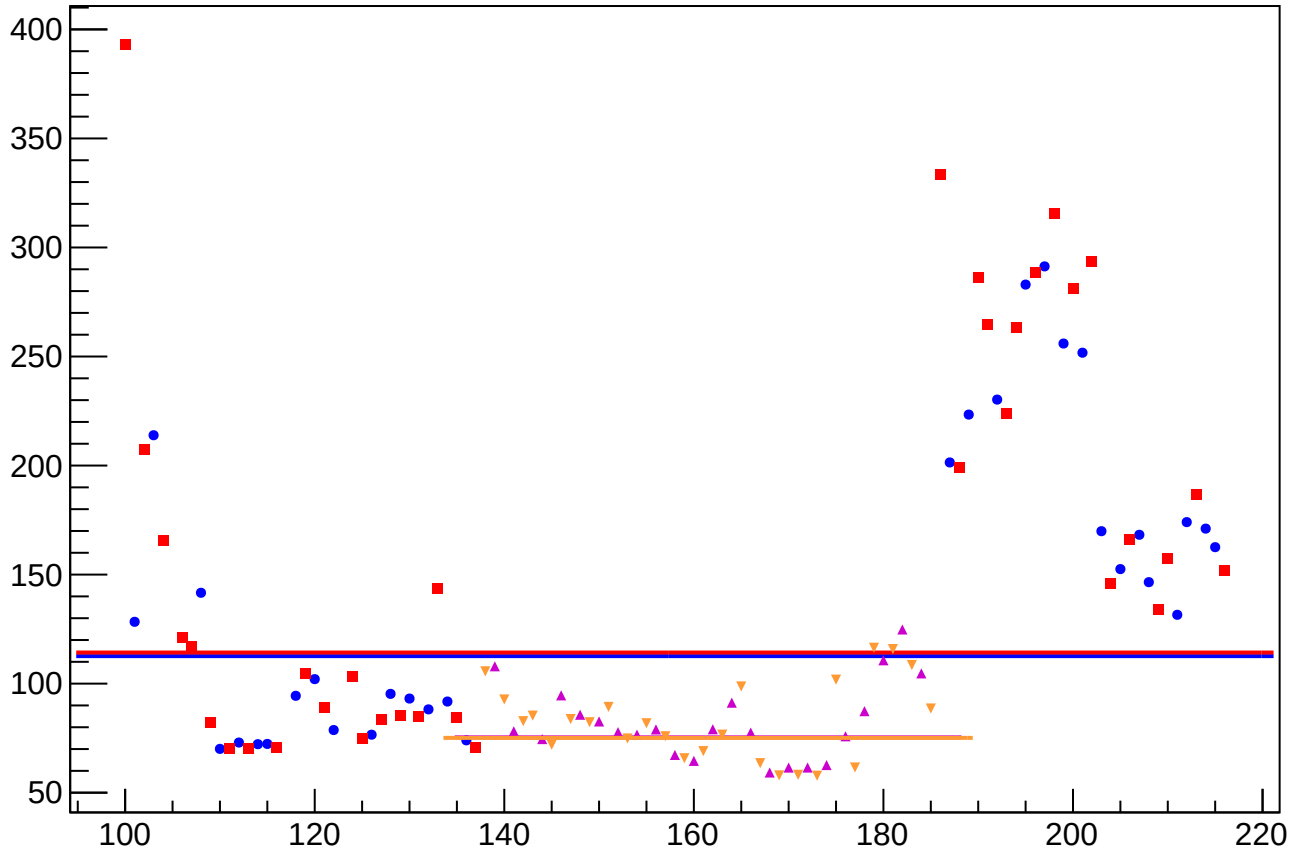
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -32.150+/-20.413 χ^2/NDF: 72.2/65

In: 42.632+/-15.393 χ^2/NDF:74.1/53

Out: 55.326+/-15.163 χ^2/NDF:95.4/59

All: 49.074+/-10.802 χ^2/NDF: 169.9/113



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: 114.264+/-0.021 χ^2/NDF: 7671906.8/34

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

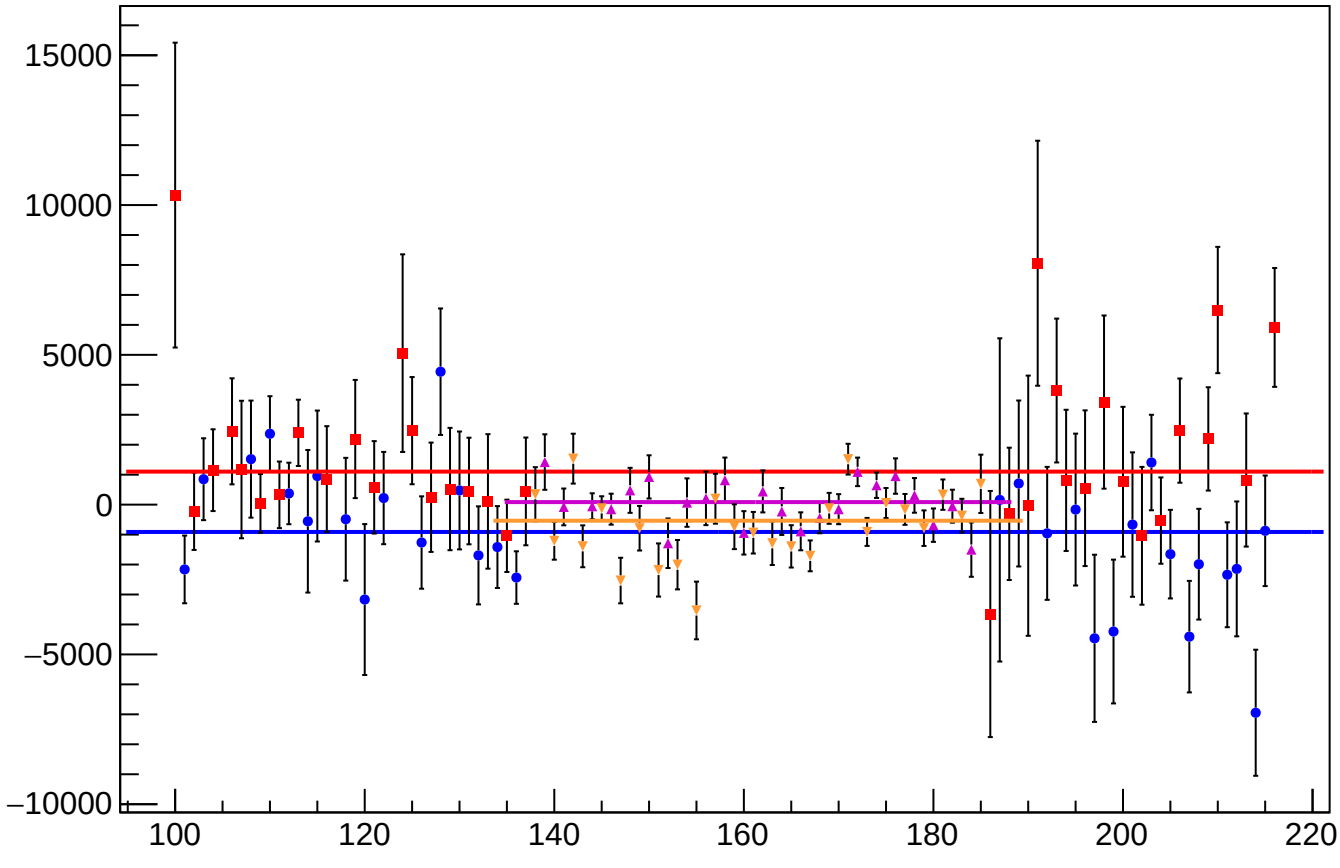
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 113.419+/-0.014 χ^2/NDF: 14020607.7/65

In: 86.187+/-0.011 χ^2/NDF:9984939.7/53

Out: 85.686+/-0.011 χ^2/NDF:11898067.8/59

All: 85.933+/-0.008 χ^2/NDF: 21884082.0/113



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: 1102.218+/-301.703 χ^2/NDF: 36.7/34

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

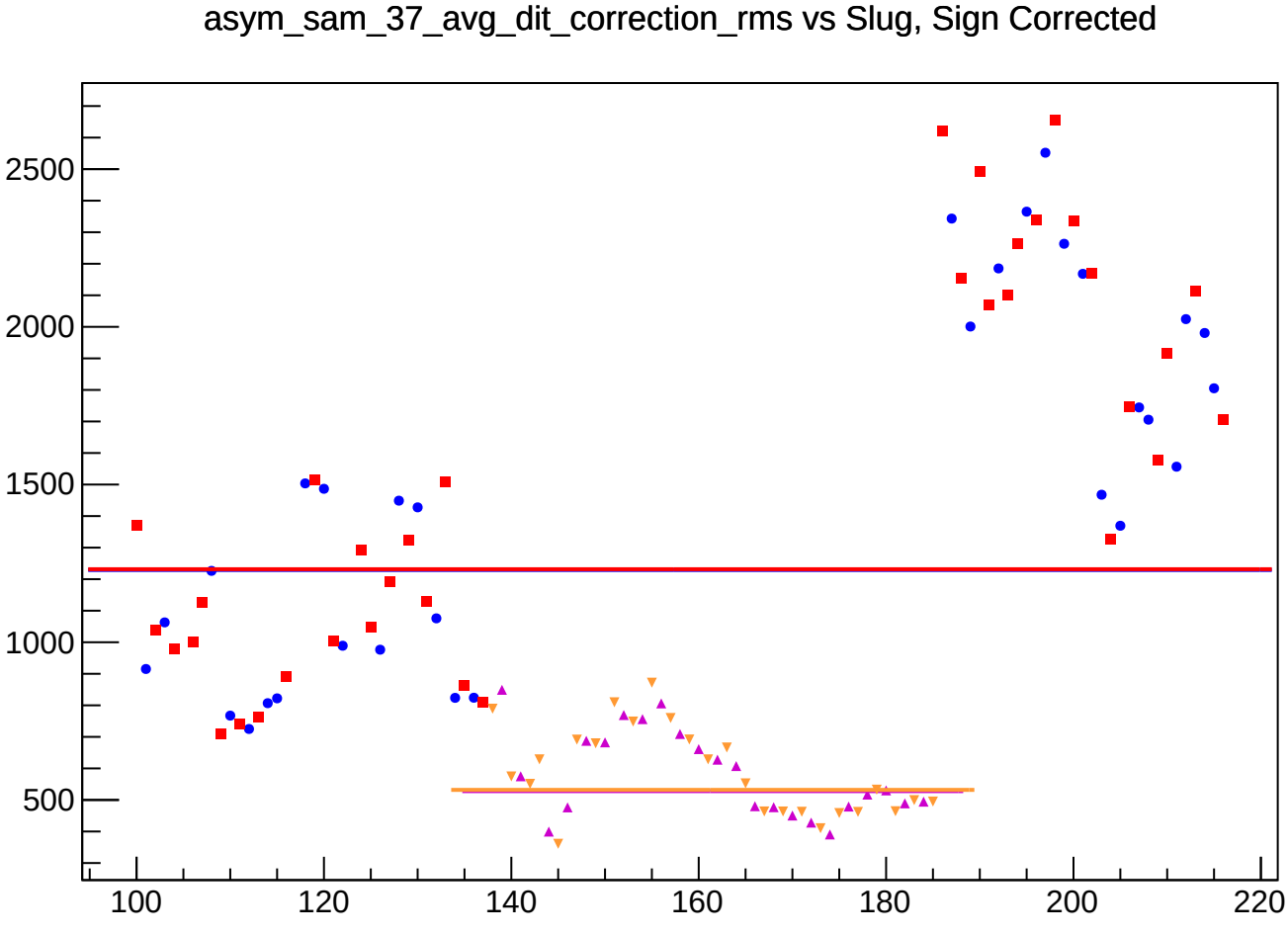
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 96.508+/-213.491 χ^2/NDF: 103.7/65

In: -65.080+/-117.109 χ^2/NDF:81.5/53

Out: -298.395+/-115.064 χ^2/NDF:128.9/59

All: -183.792+/-82.076 χ^2/NDF: 212.4/113



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: 1231.541+/-0.213 χ^2/NDF: 5945012.4/34

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

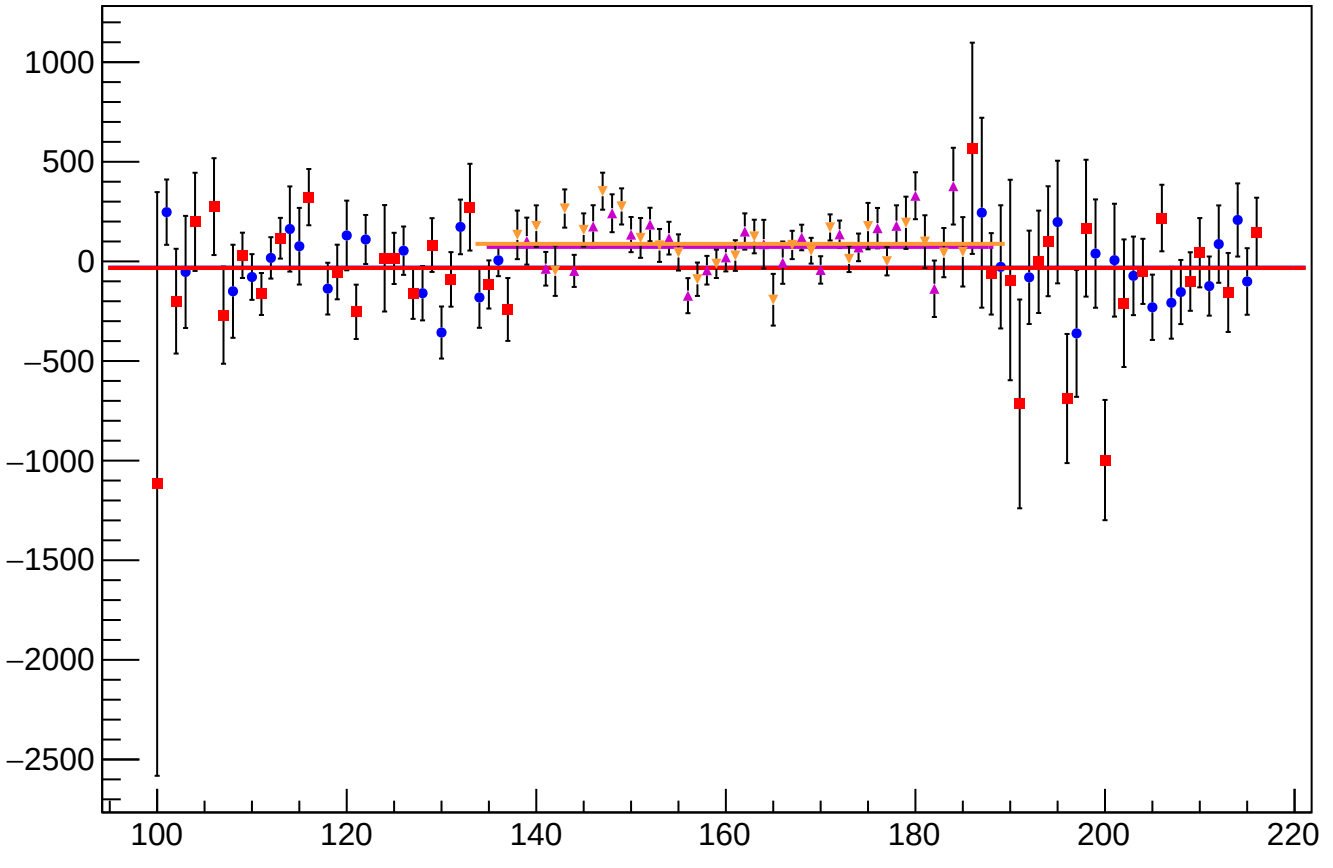
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1230.361+/-0.151 χ^2/NDF: 11092293.6/65

In: 633.326+/-0.083 χ^2/NDF:16101133.8/53

Out: 633.640+/-0.081 χ^2/NDF:17174376.8/59

All: 633.486+/-0.058 χ^2/NDF: 33275517.9/11



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: -33.219+/-29.193 χ^2/NDF: 45.9/34

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

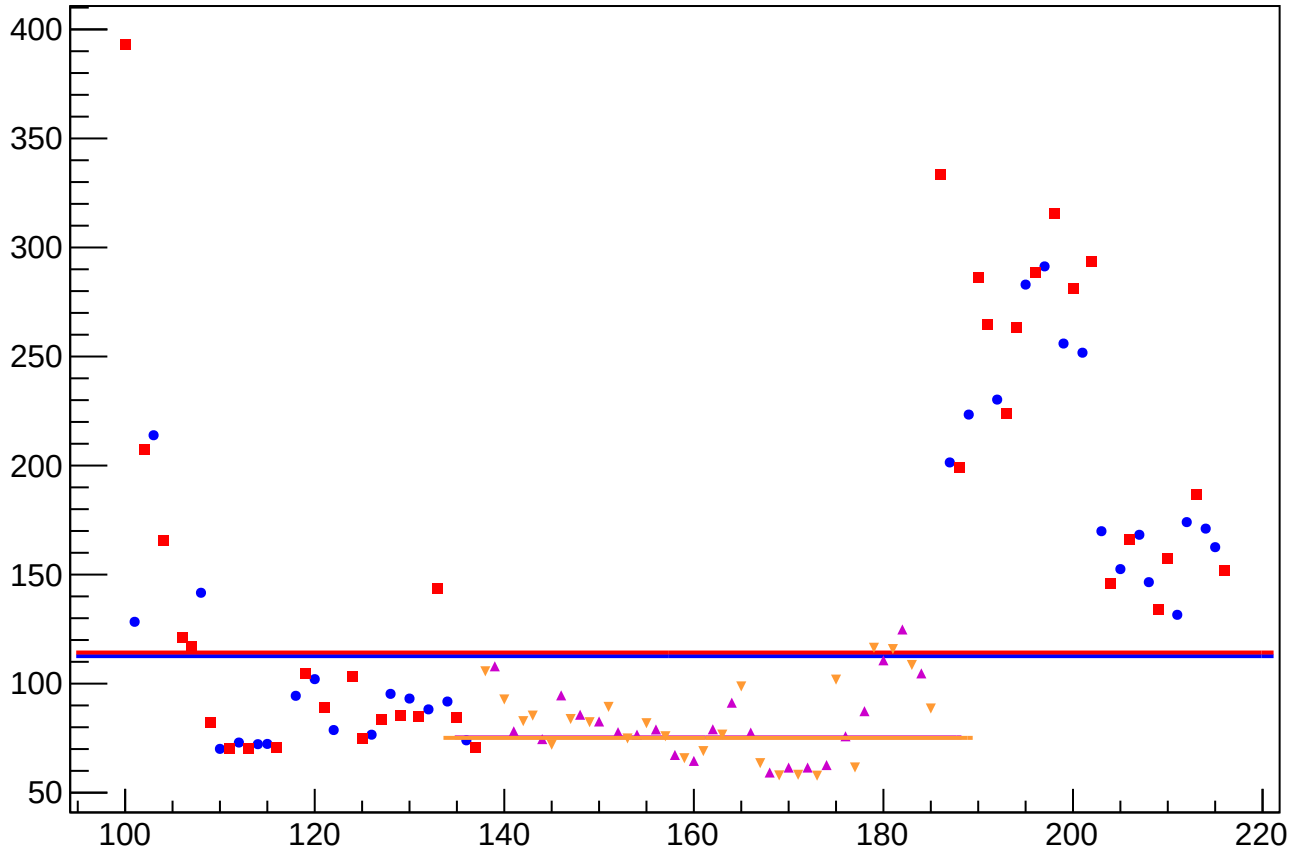
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -32.151+/-20.413 χ^2/NDF: 72.2/65

In: 42.632+/-15.393 χ^2/NDF:74.1/53

Out: 55.325+/-15.163 χ^2/NDF:95.4/59

All: 49.074+/-10.802 χ^2/NDF: 169.9/113



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: 114.264+/-0.021 χ^2/NDF: 7671860.8/34

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

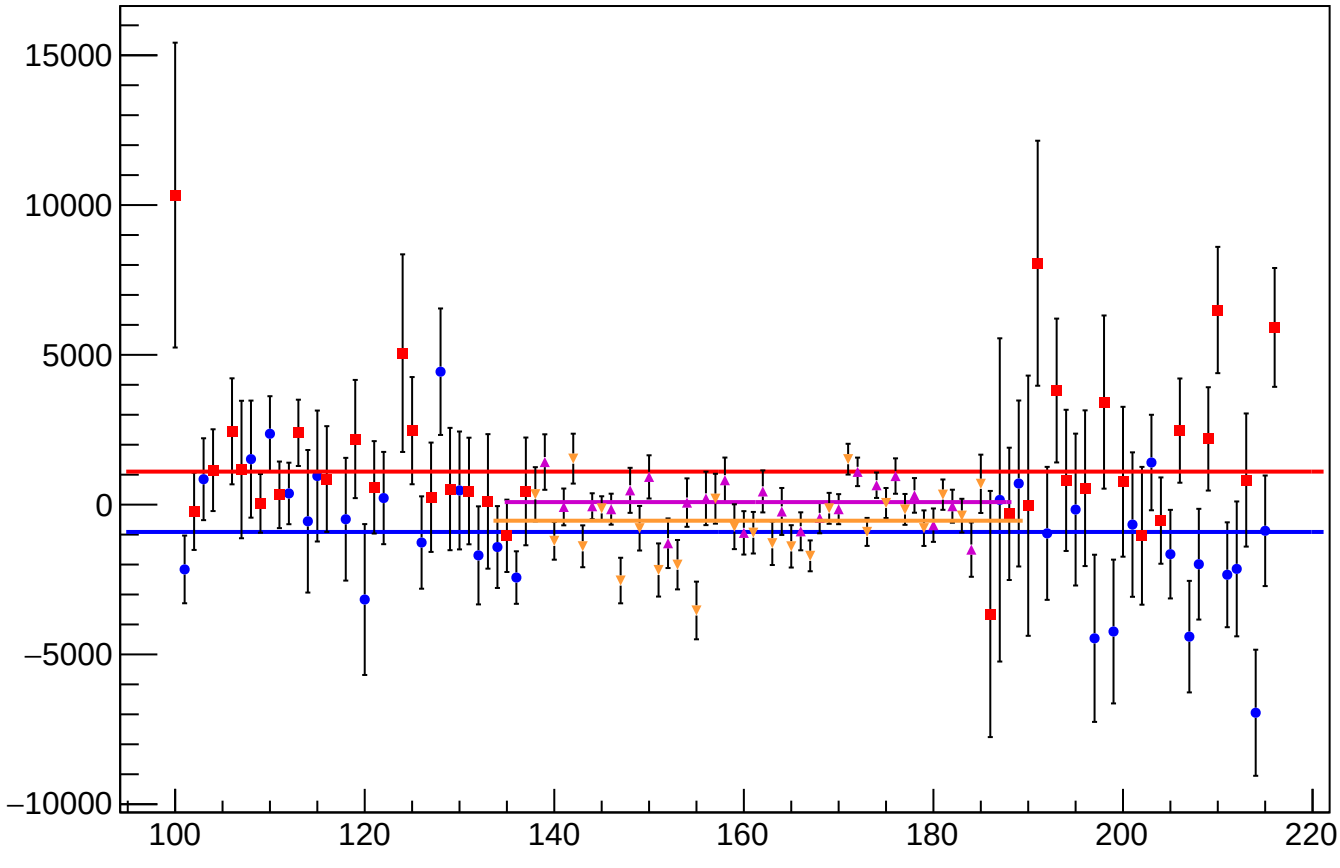
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 113.419+/-0.014 χ^2/NDF: 14020516.0/65

In: 86.188+/-0.011 χ^2/NDF:9984905.6/53

Out: 85.687+/-0.011 χ^2/NDF:11898039.9/59

All: 85.933+/-0.008 χ^2/NDF: 21884019.9/113



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: 1102.216+/-301.703 χ^2/NDF: 36.7/34

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

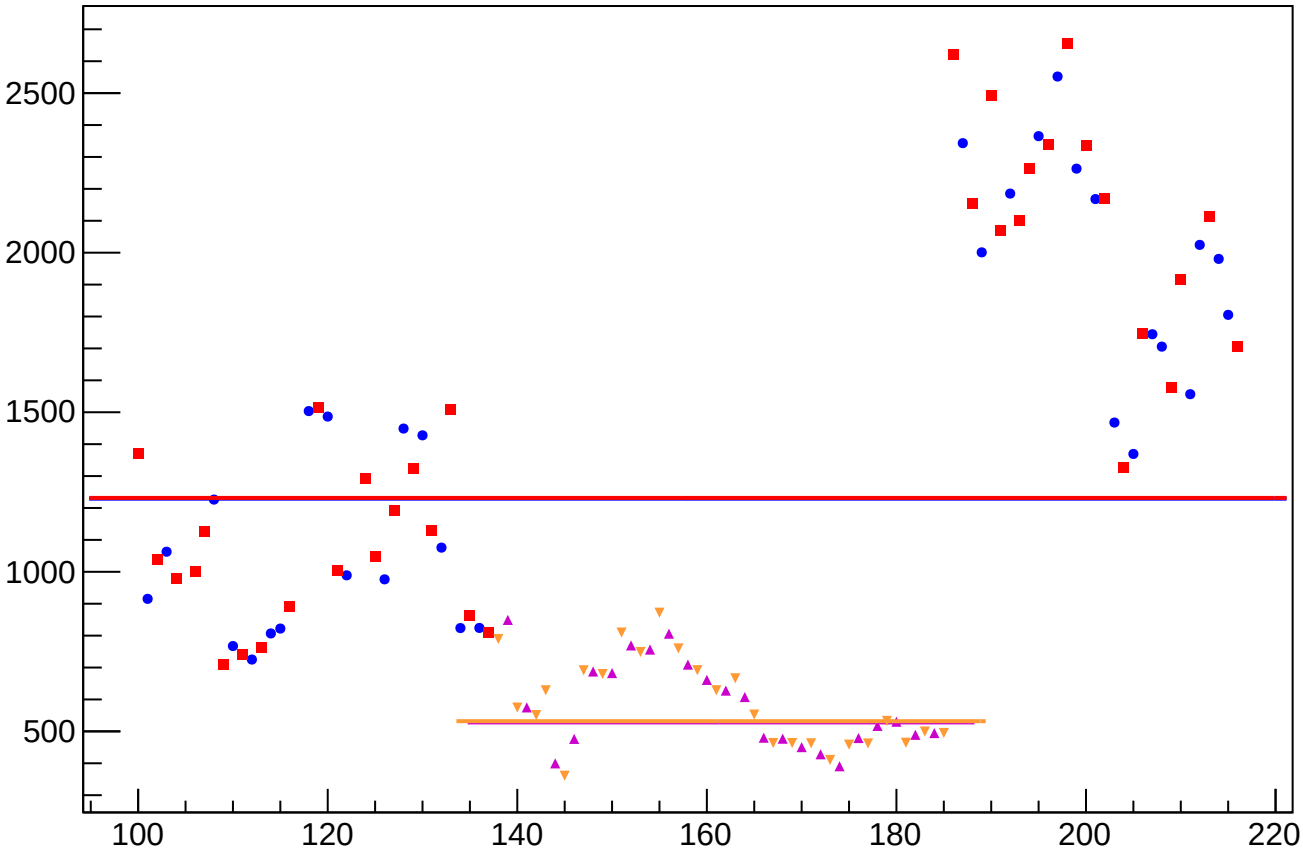
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 96.509+/-213.491 χ^2/NDF: 103.7/65

In: -65.080+/-117.108 χ^2/NDF:81.5/53

Out: -298.395+/-115.064 χ^2/NDF:128.9/59

All: -183.792+/-82.076 χ^2/NDF: 212.4/113



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: 1231.539+/-0.213 χ^2/NDF: 5945025.3/34

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

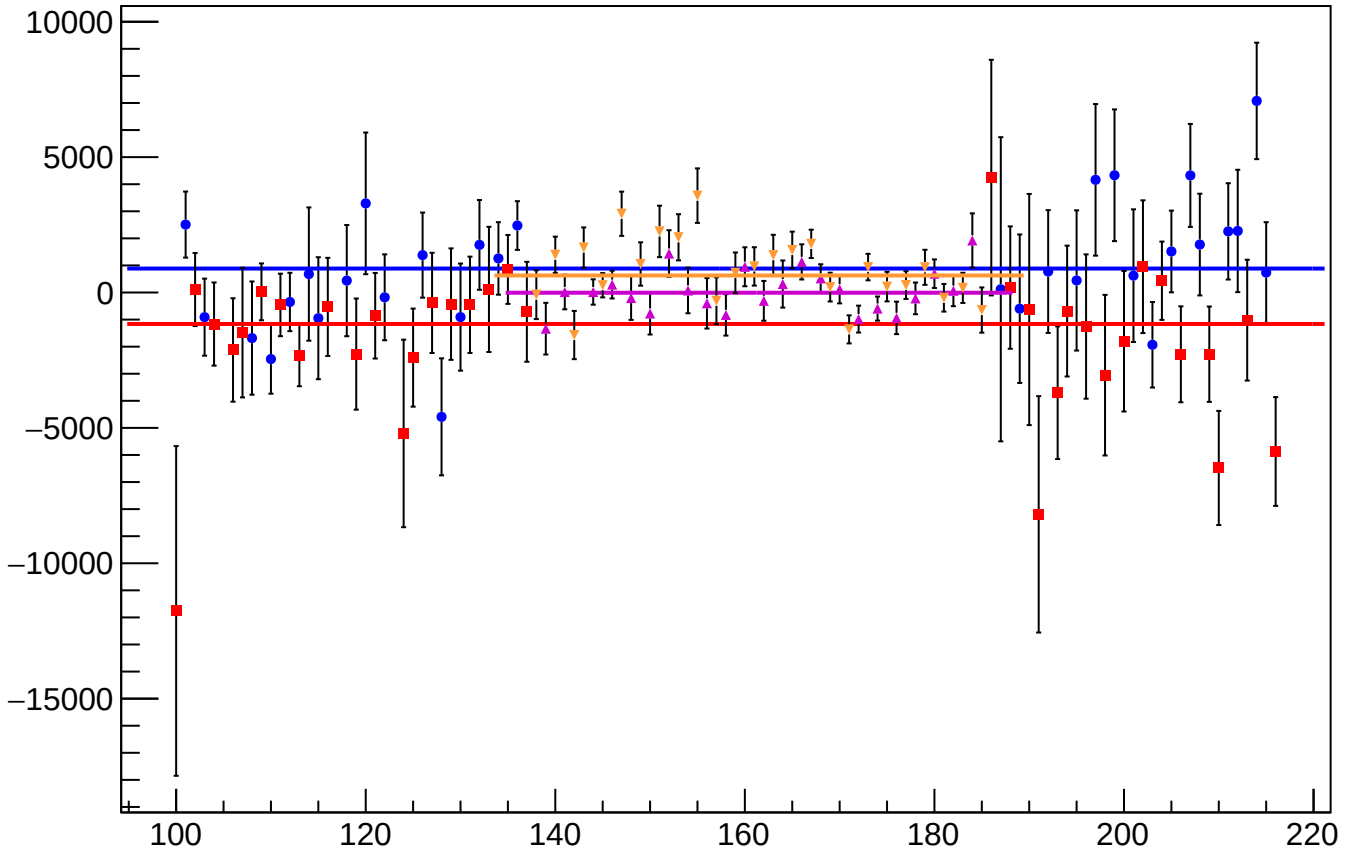
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 1230.359+/-0.151 χ^2/NDF: 11092321.3/65

In: 633.326+/-0.083 χ^2/NDF:16101120.4/53

Out: 633.639+/-0.081 χ^2/NDF:17174363.0/59

All: 633.485+/-0.058 χ^2/NDF: 33275490.7/11



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: -1161.801+/-313.166 χ^2/NDF: 33.2/34

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

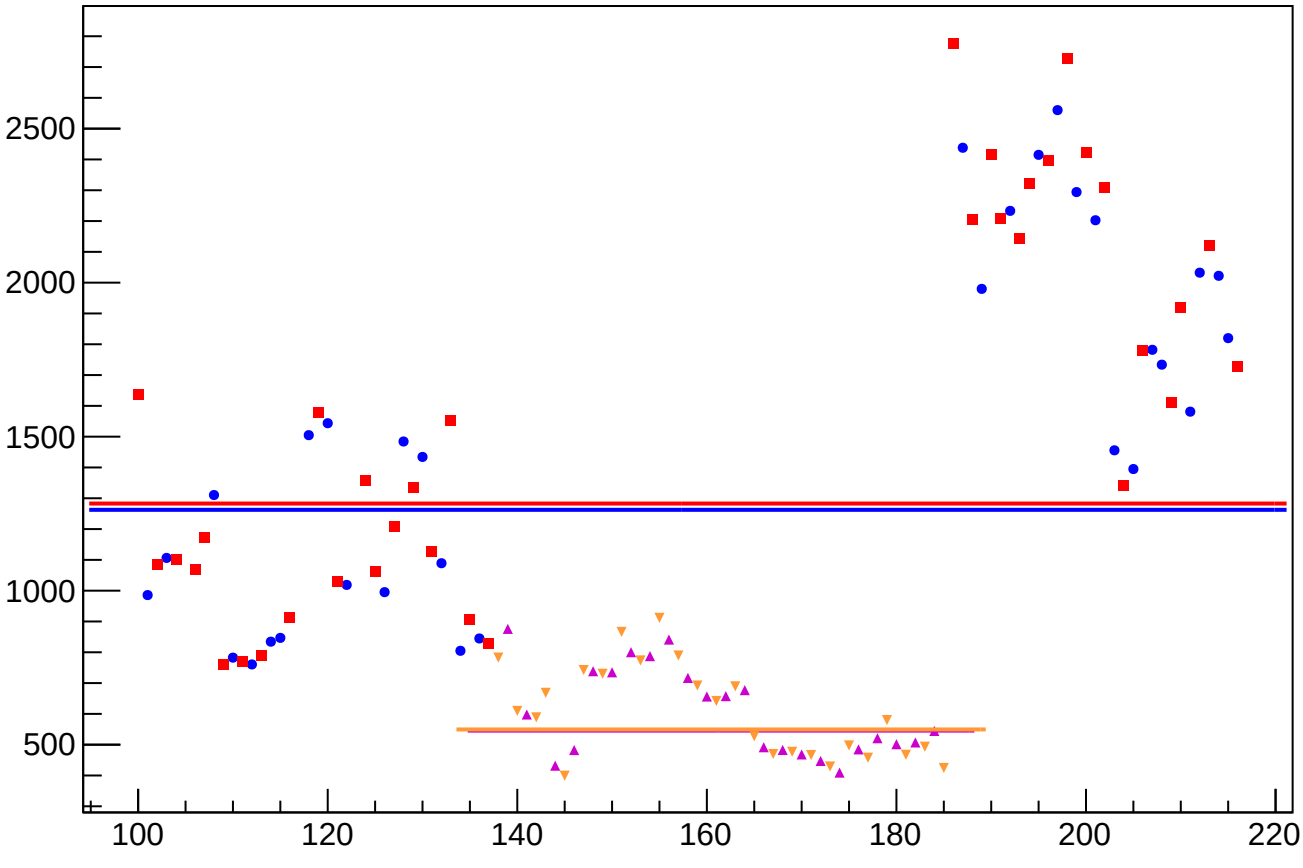
Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

Right: -126.726+/-220.187 χ^2/NDF: 100.5/65

In: 127.718+/-120.873 χ^2/NDF:80.1/53

Out: 370.046+/-119.161 χ^2/NDF:126.1/59

All: 250.610+/-84.858 χ^2/NDF: 208.2/113



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: 1282.885+/-0.221 χ^2/NDF: 5679176.7/34

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

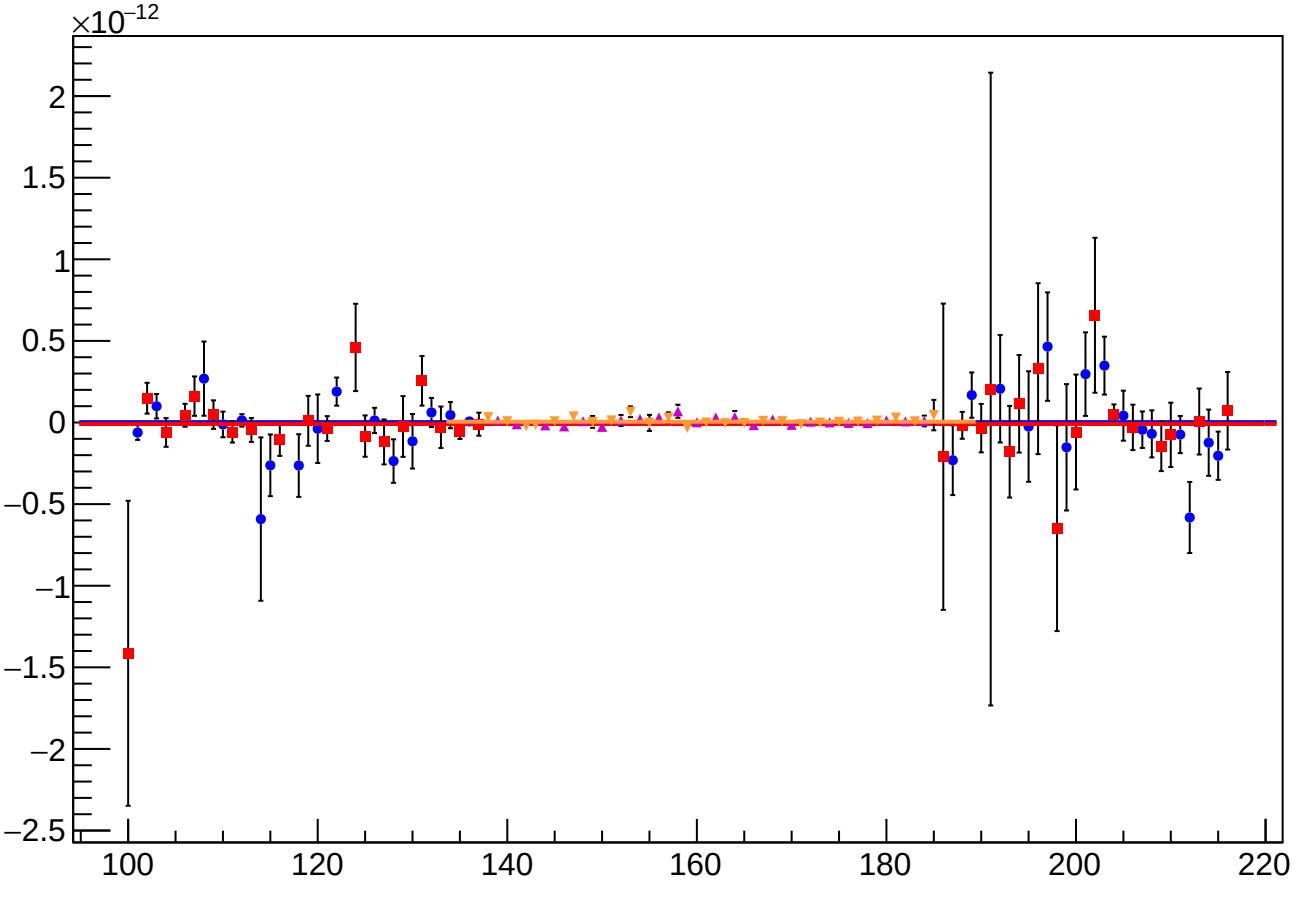
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1272.577+/-0.156 χ^2/NDF: 10650946.3/65

In: 654.933+/-0.085 χ^2/NDF:15866207.3/53

Out: 655.660+/-0.084 χ^2/NDF:17114139.3/59

All: 655.302+/-0.060 χ^2/NDF: 32980383.3/1



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: 24.7/34

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

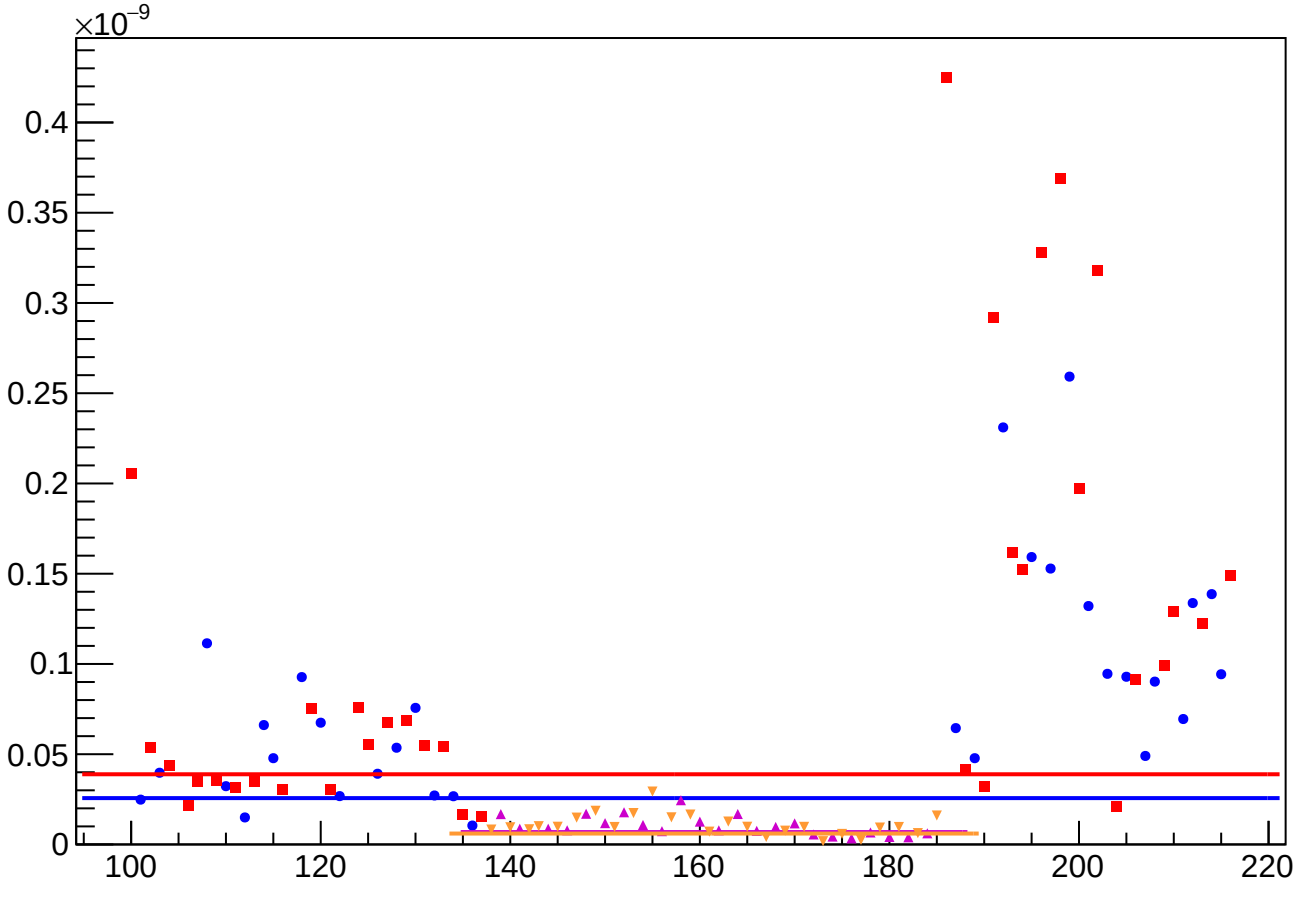
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/65

In: 0.000+/-0.000 χ^2/NDF:60.4/53

Out: 0.000+/-0.000 χ^2/NDF:40.9/59

All: 0.000+/-0.000 χ^2/NDF: 101.4/113



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: 6635630.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

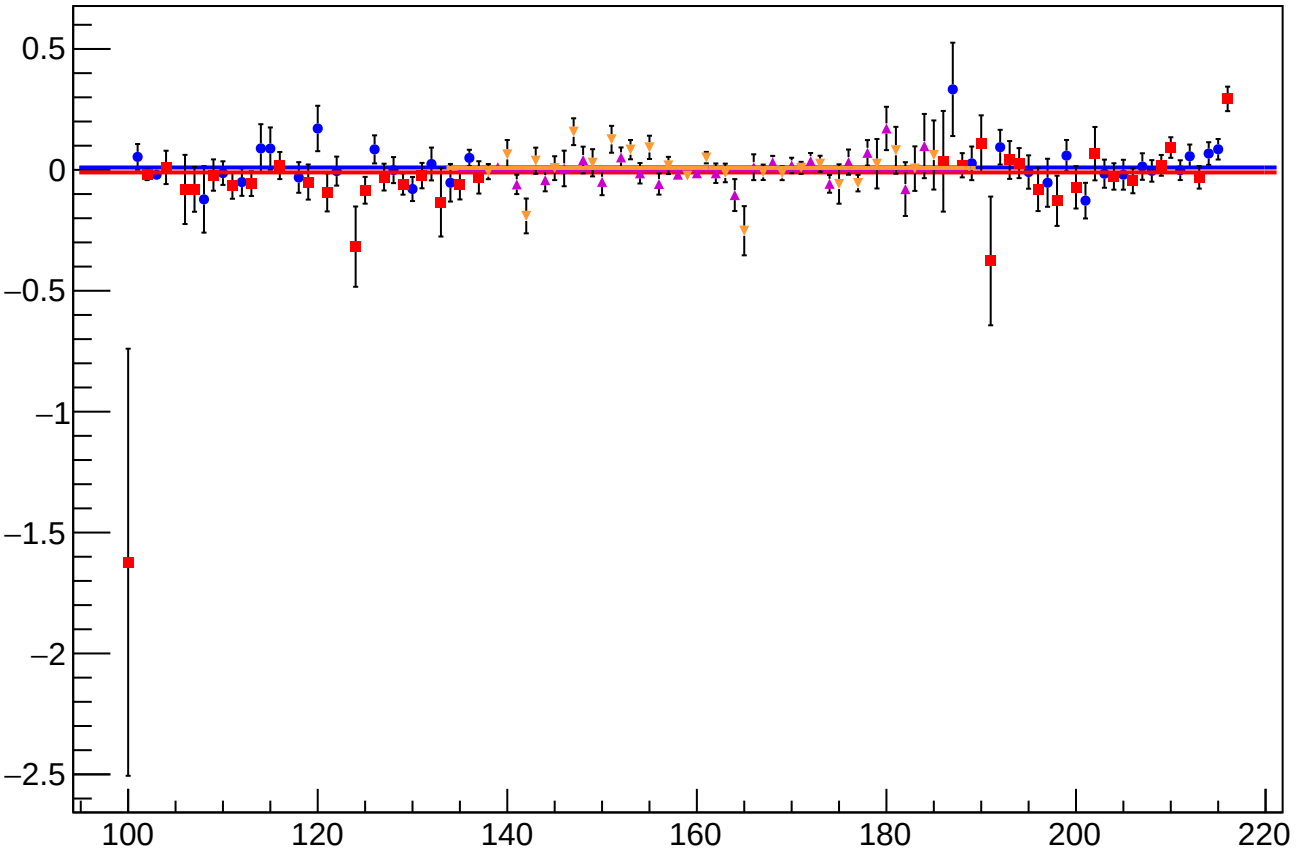
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15270365.4/65

In: 0.000+/-0.000 χ^2/NDF:13916717.2/53

Out: 0.000+/-0.000 χ^2/NDF:16570565.6/59

All: 0.000+/-0.000 χ^2/NDF: 30585044.7/113



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: -0.011+/-0.010 χ^2/NDF: 66.2/34

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

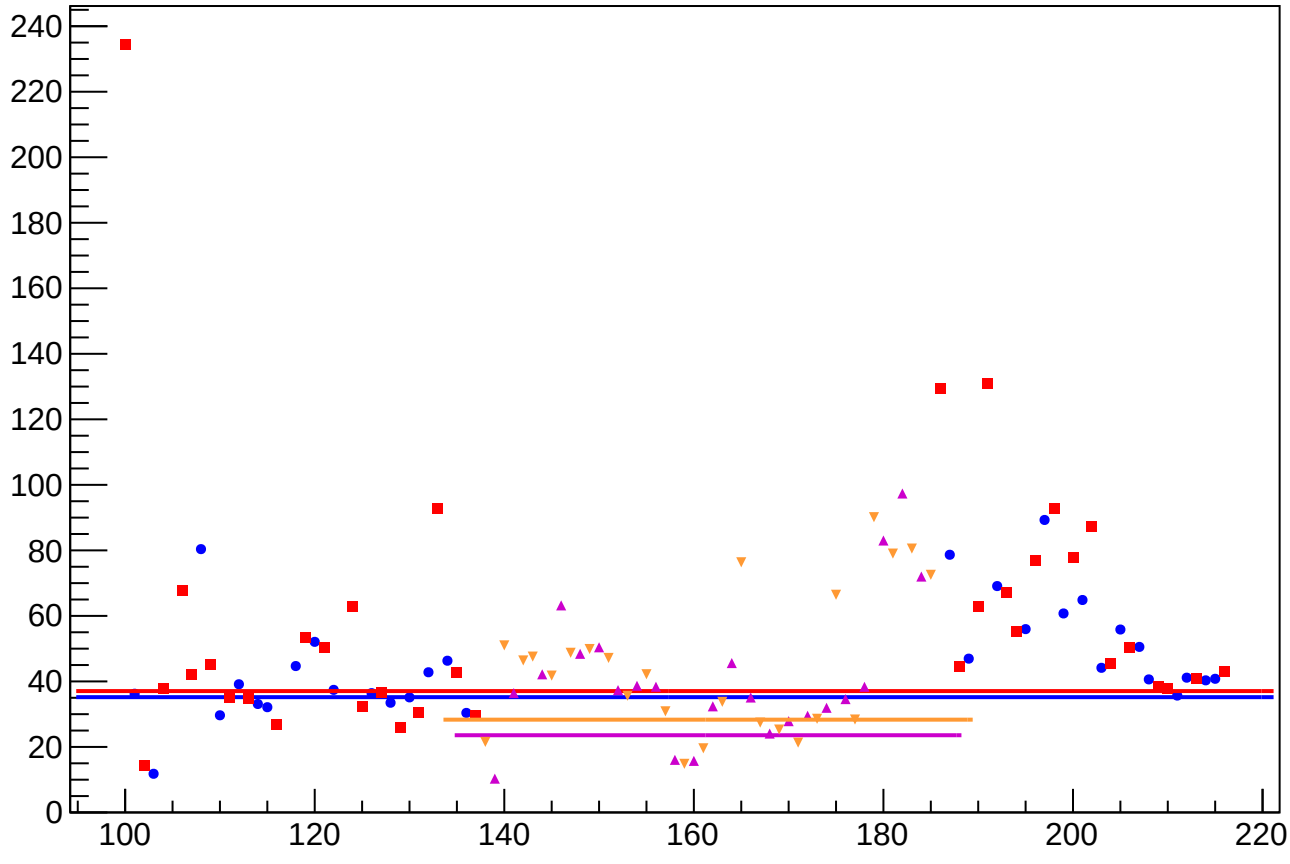
Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

Right: 0.000+/-0.007 χ^2/NDF: 100.5/65

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: 0.001+/-0.006 χ^2/NDF:116.0/59

All: 0.002+/-0.004 χ^2/NDF: 174.1/113



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: 37.049+/-0.007 χ^2/NDF: 6561157.3/34

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

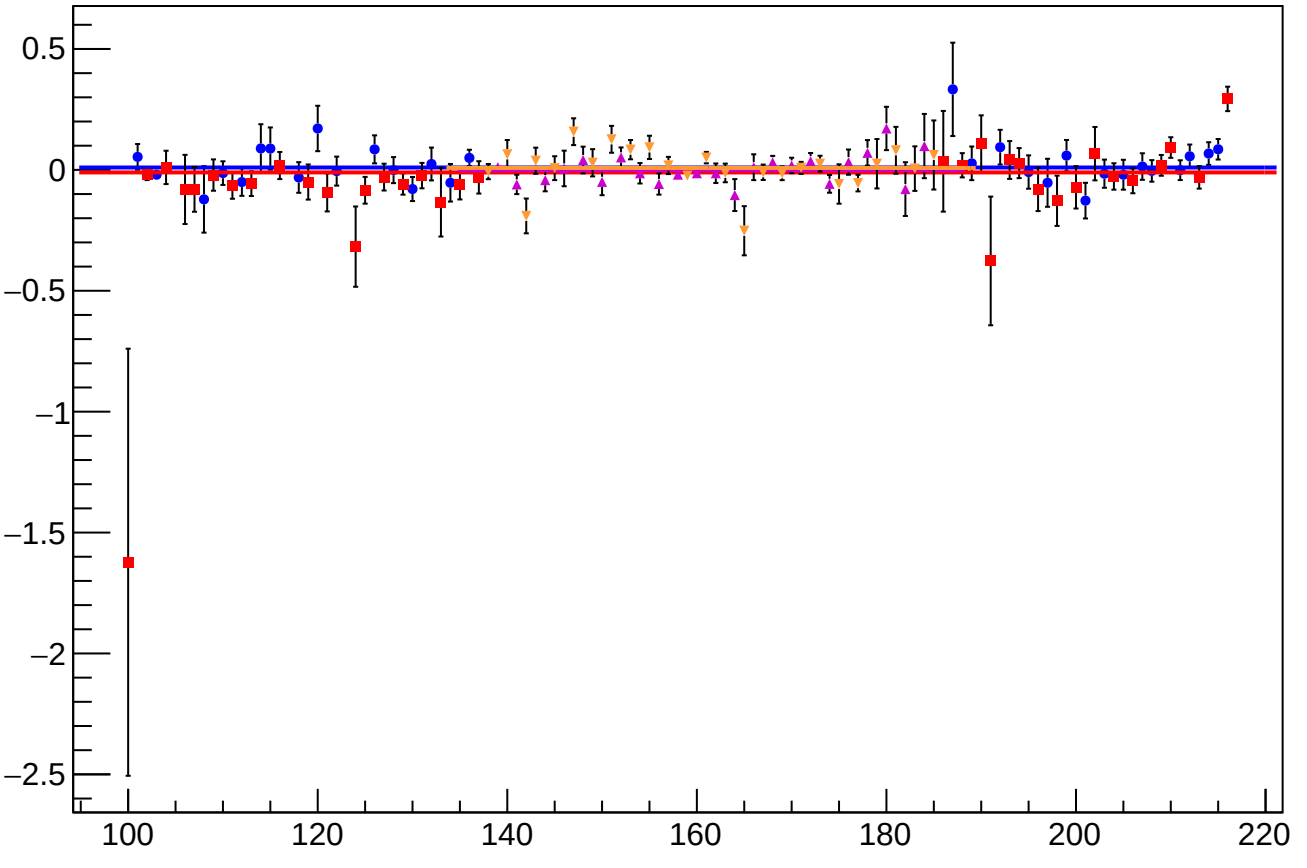
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 36.070+/-0.005 χ^2/NDF: 12472105.2/65

In: 27.610+/-0.004 χ^2/NDF:16163568.8/53

Out: 31.562+/-0.004 χ^2/NDF:14333356.1/59

All: 29.411+/-0.003 χ^2/NDF: 30967720.1/113



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: -0.011+/-0.010 χ^2/NDF: 66.2/34

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

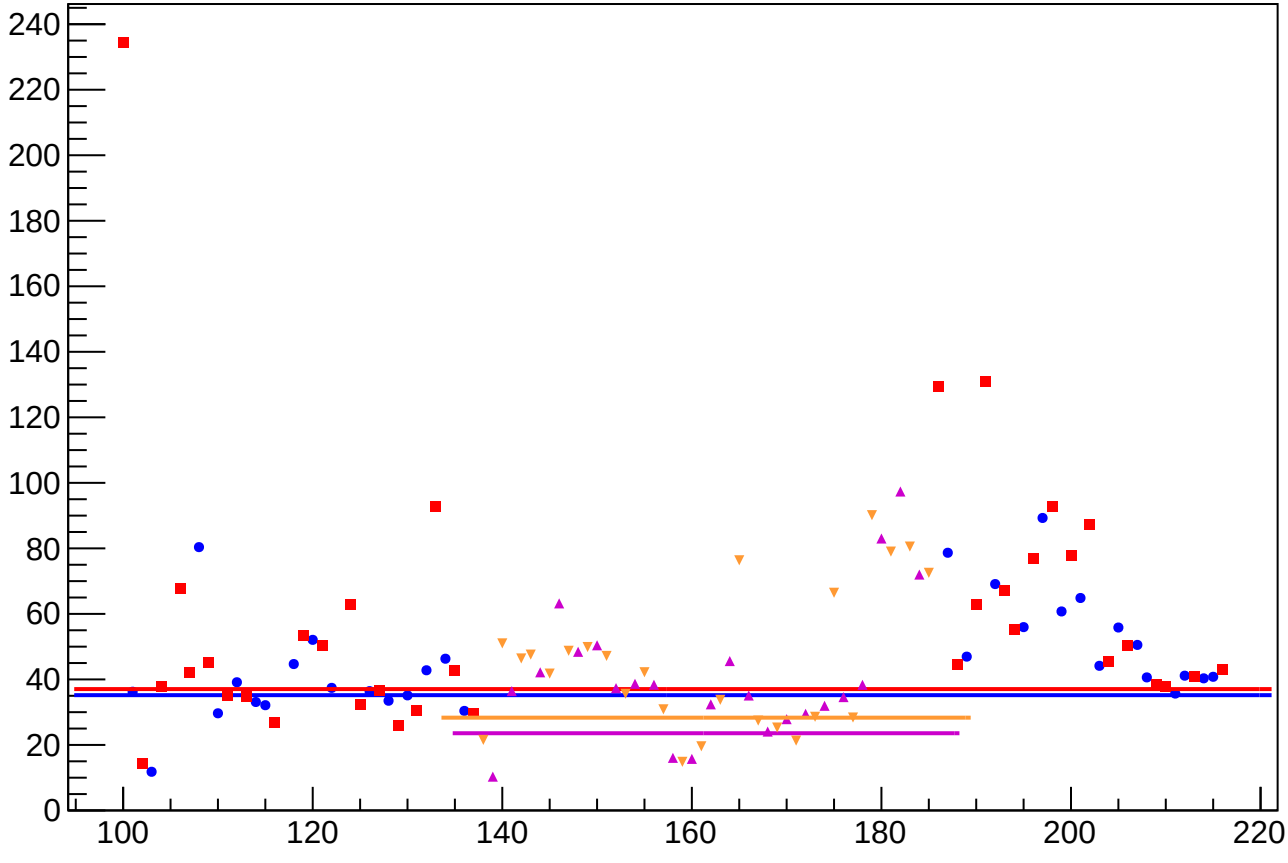
Right: 0.000+/-0.007 χ^2/NDF: 100.5/65

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: 0.001+/-0.006 χ^2/NDF:116.0/59

All: 0.002+/-0.004 χ^2/NDF: 174.1/113

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: 37.049+/-0.007 χ^2/NDF: 6561157.3/34

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

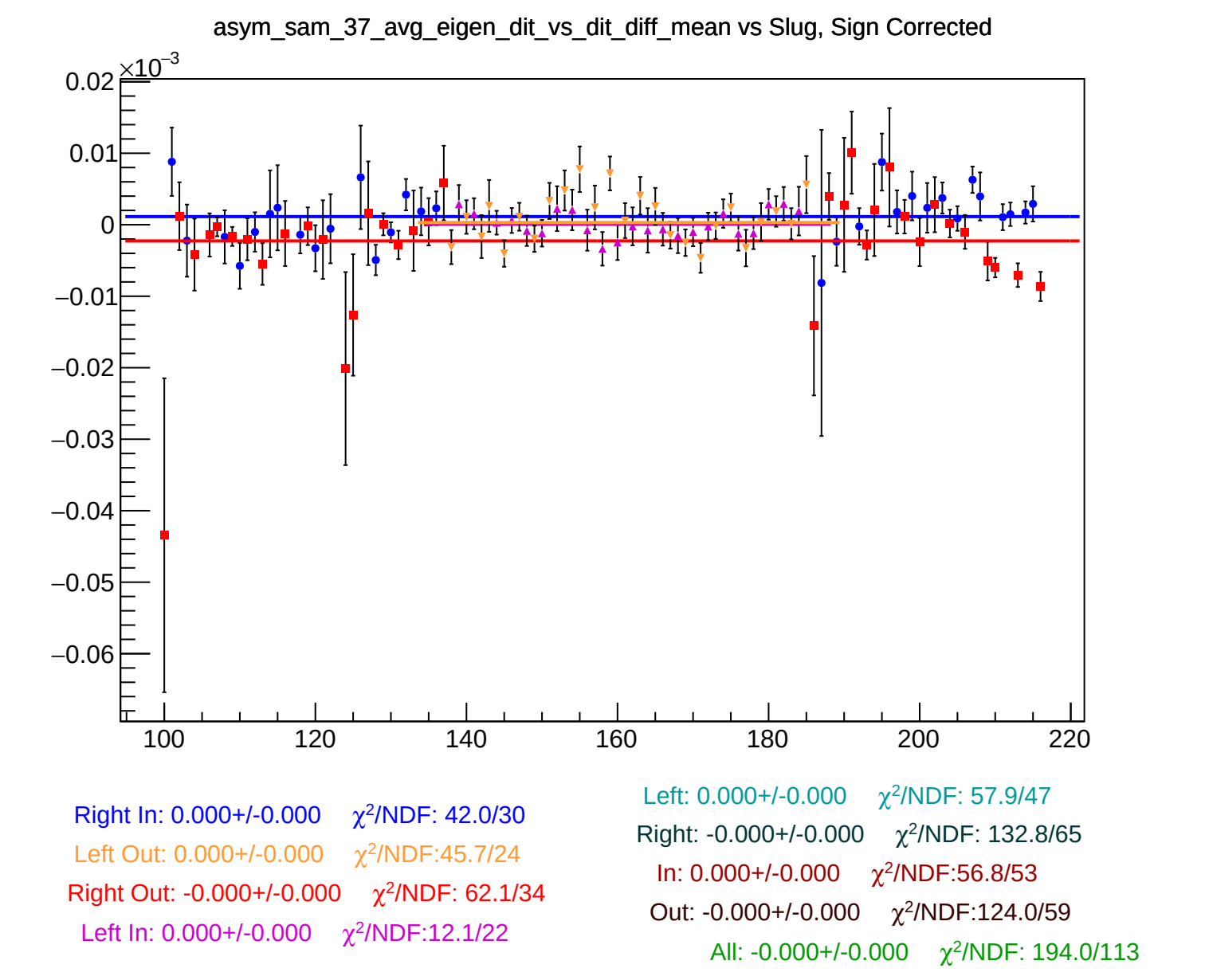
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

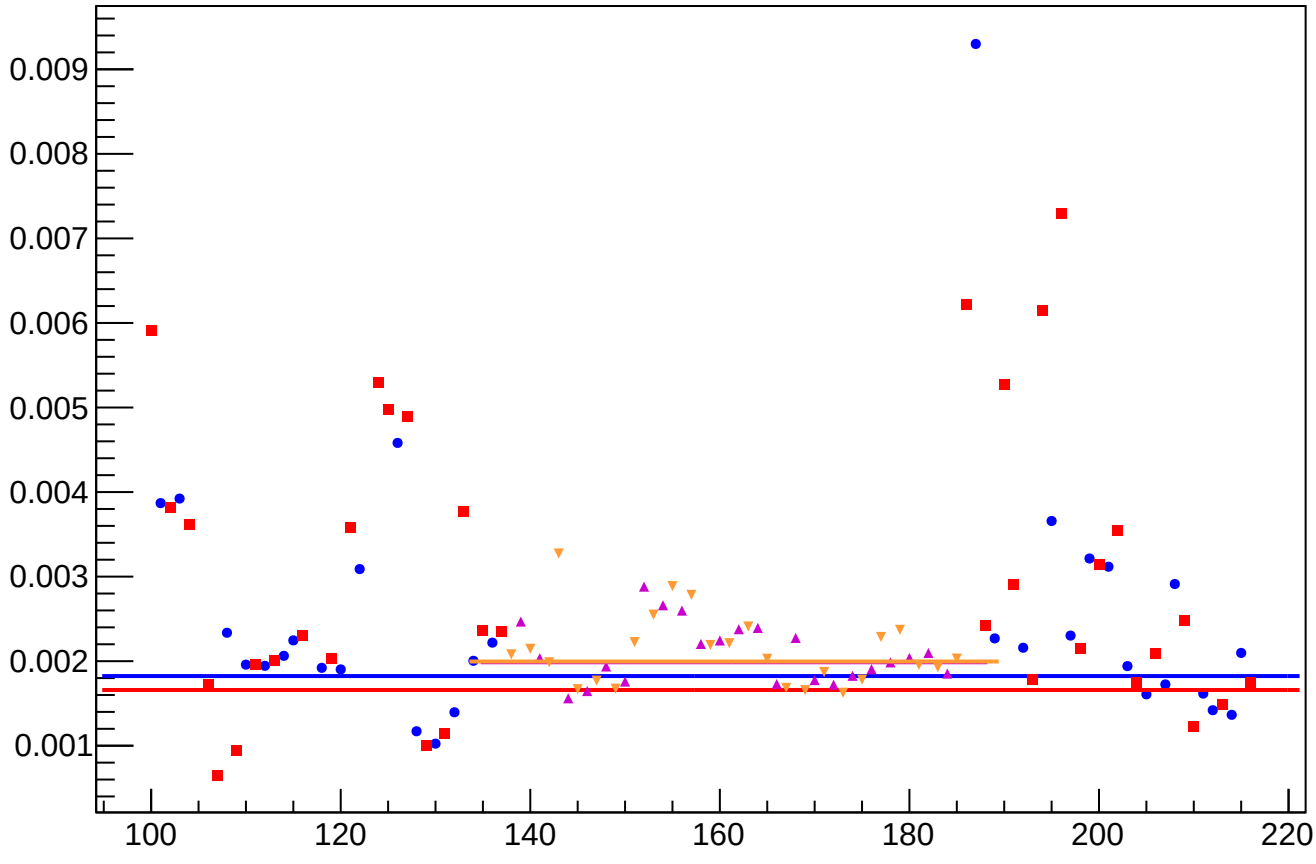
Right: 36.070+/-0.005 χ^2/NDF: 12472105.2/65

In: 27.610+/-0.004 χ^2/NDF:16163568.8/53

Out: 31.562+/-0.004 χ^2/NDF:14333356.1/59

All: 29.411+/-0.003 χ^2/NDF: 30967720.1/113


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: 62.1/34
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: 132.8/65
In: 0.000+/-0.000 χ²/NDF:56.8/53
Out: -0.000+/-0.000 χ²/NDF:124.0/59
All: -0.000+/-0.000 χ²/NDF: 194.0/113



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: 8978948.4/34

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

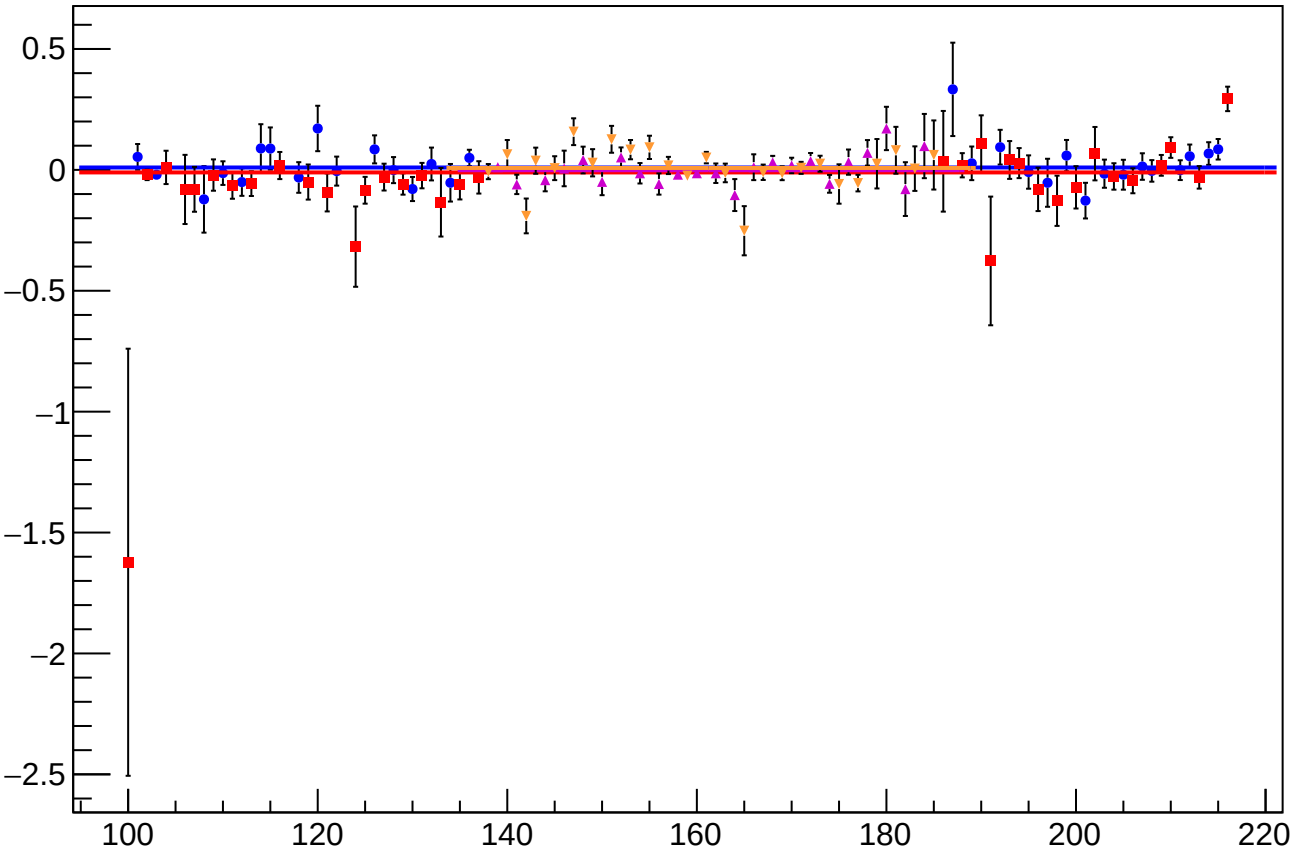
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 13282311.2/65

In: 0.002+/-0.000 χ^2/NDF:5216097.5/53

Out: 0.002+/-0.000 χ^2/NDF:10708847.1/59

All: 0.002+/-0.000 χ^2/NDF: 15992406.4/113



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: -0.011+/-0.010 χ^2/NDF: 66.2/34

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

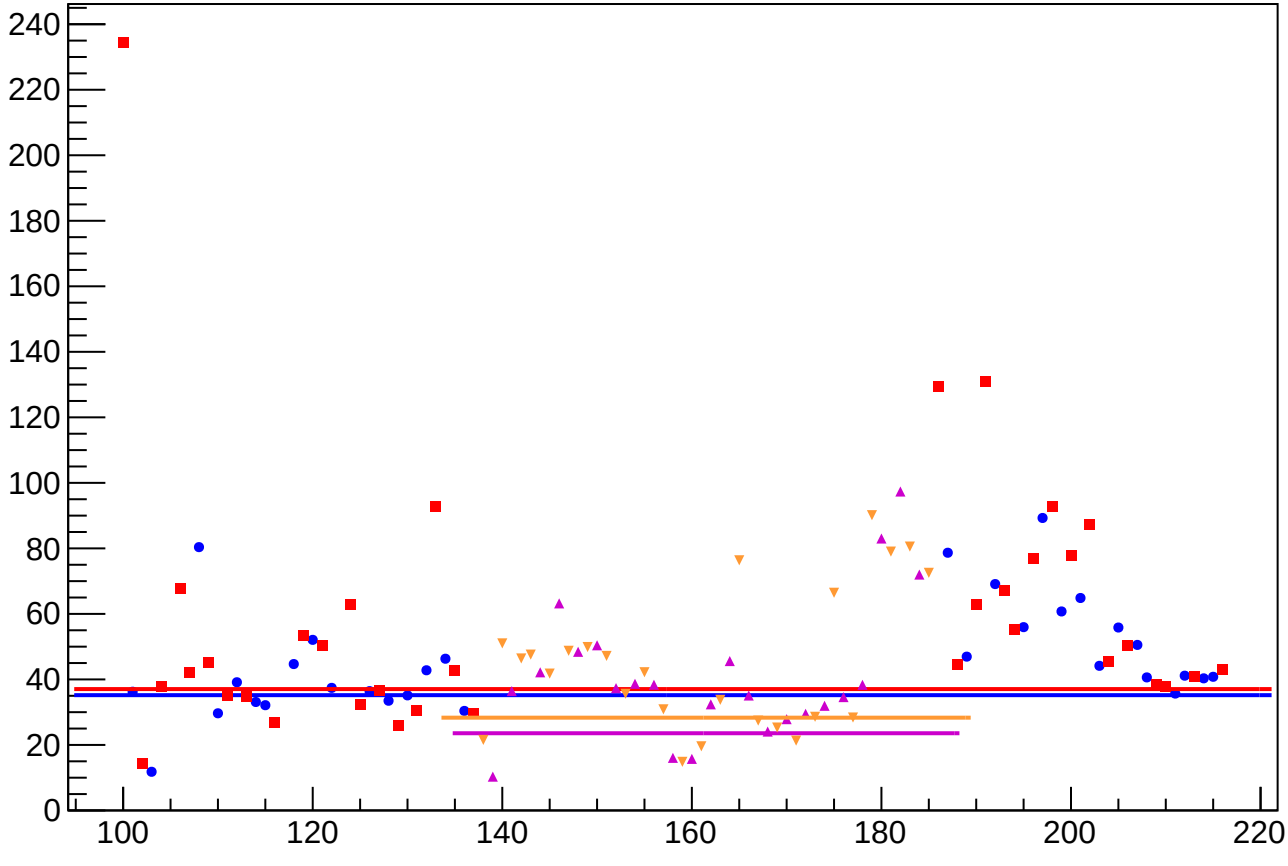
Right: 0.000+/-0.007 χ^2/NDF: 100.5/65

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: 0.001+/-0.006 χ^2/NDF:116.0/59

All: 0.002+/-0.004 χ^2/NDF: 174.1/113

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: 37.051+/-0.007 χ^2/NDF: 6559934.5/34

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

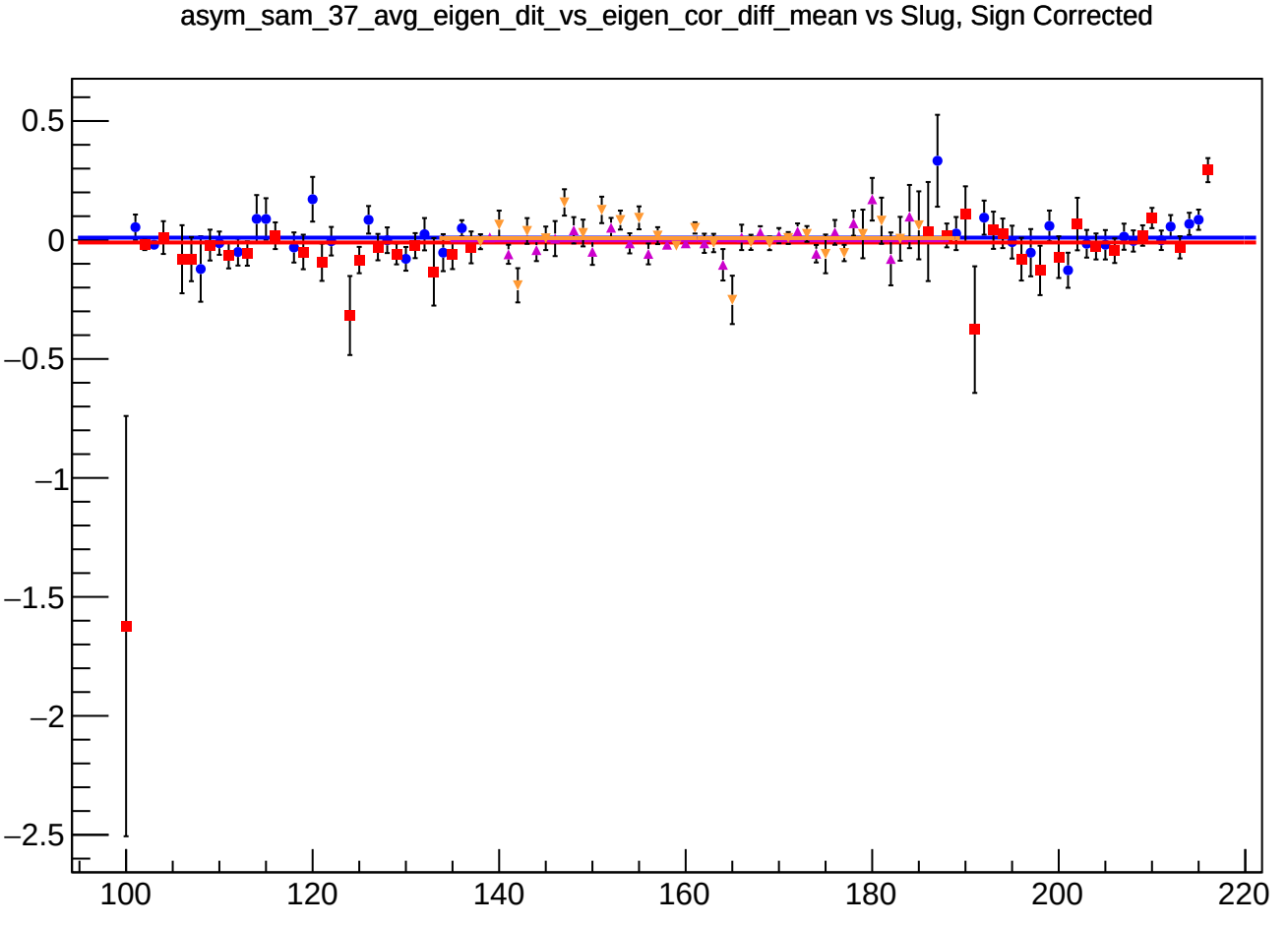
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.071+/-0.005 χ^2/NDF: 12471436.7/65

In: 27.609+/-0.004 χ^2/NDF:16165324.0/53

Out: 31.563+/-0.004 χ^2/NDF:14333137.4/59

All: 29.411+/-0.003 χ^2/NDF: 30969614.5/113



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: -0.011+/-0.010 χ^2/NDF: 66.2/34

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

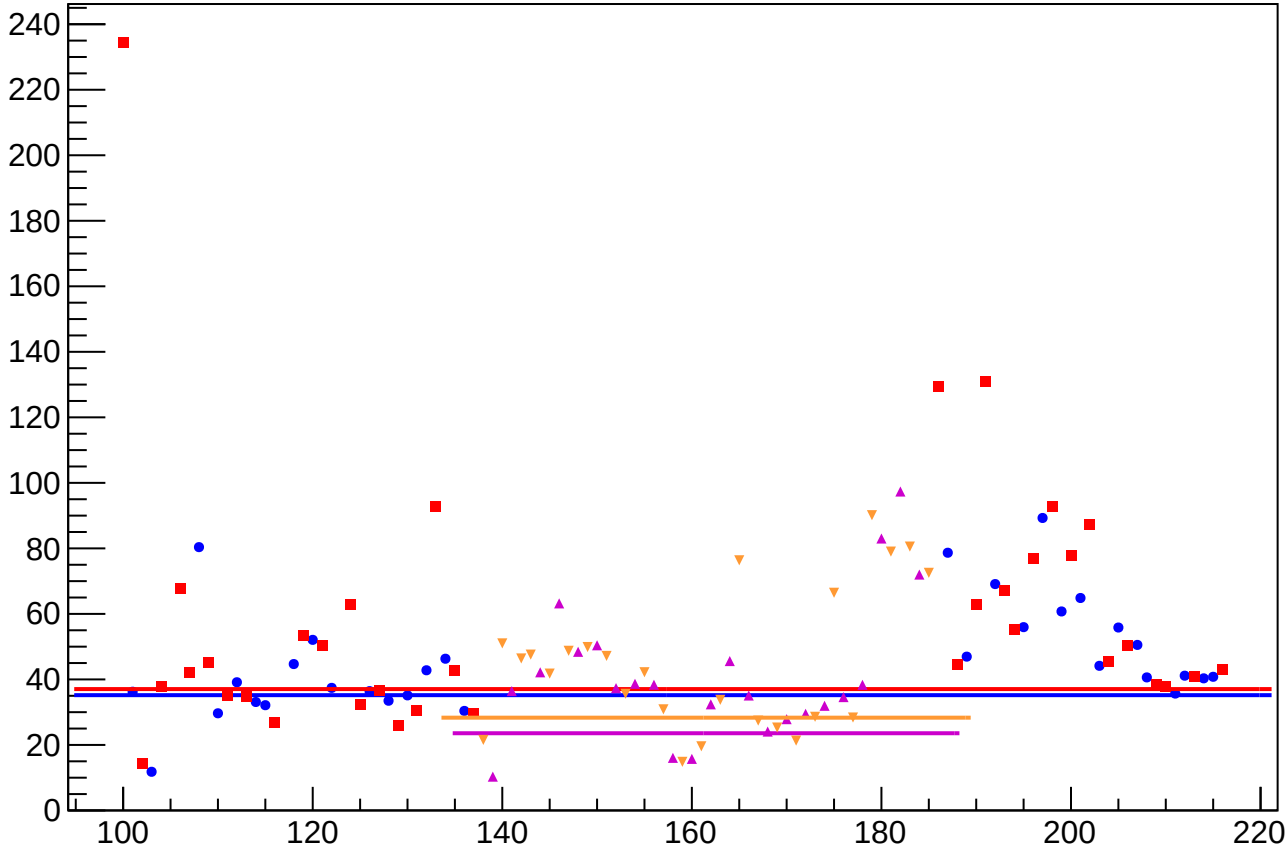
Right: 0.000+/-0.007 χ^2/NDF: 100.5/65

In: 0.002+/-0.005 χ^2/NDF:58.1/53

Out: 0.001+/-0.006 χ^2/NDF:116.0/59

All: 0.002+/-0.004 χ^2/NDF: 174.1/113

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: 37.051+/-0.007 χ^2/NDF: 6559934.5/34

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

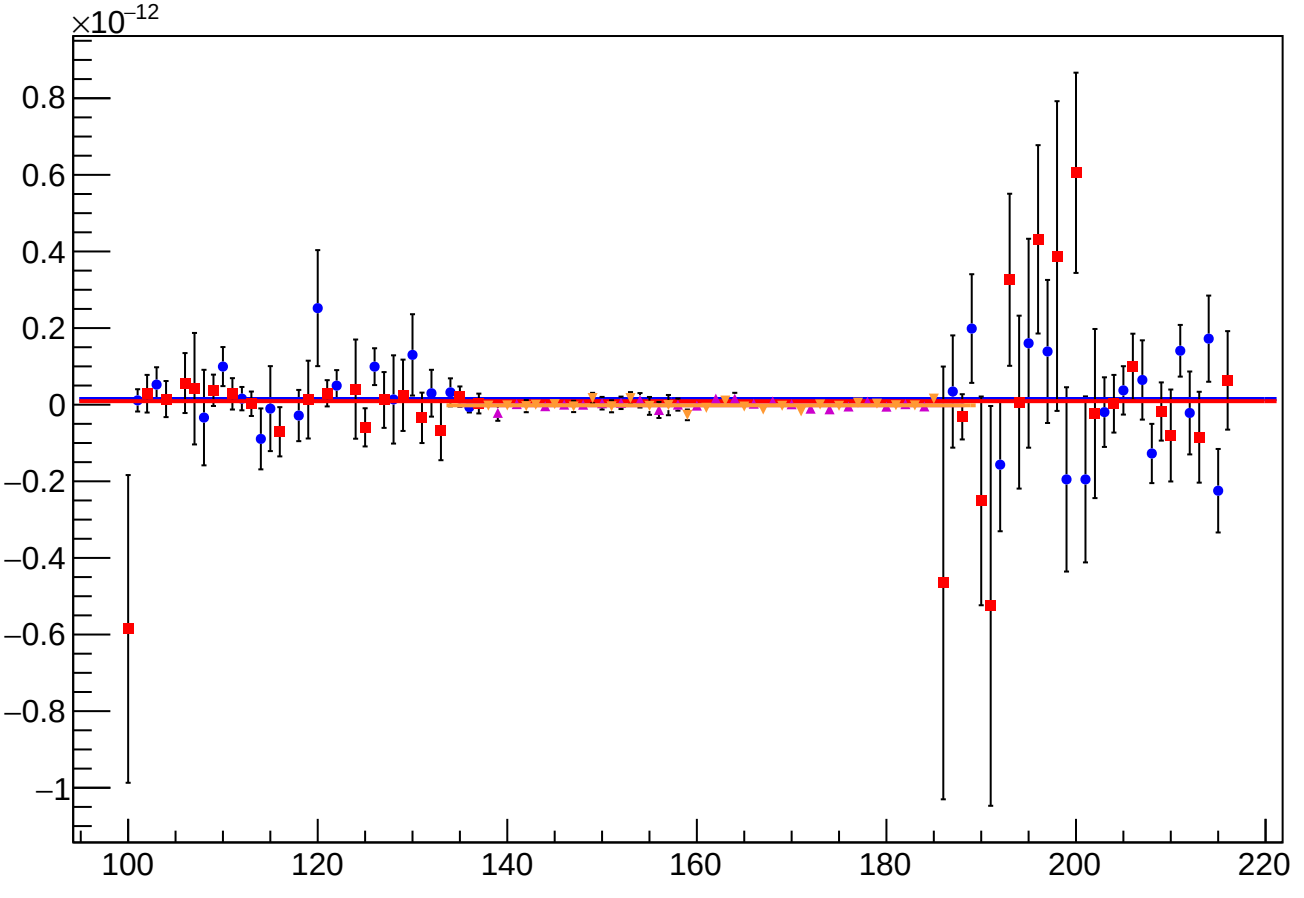
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 36.071+/-0.005 χ^2/NDF: 12471436.7/65

In: 27.609+/-0.004 χ^2/NDF:16165324.0/53

Out: 31.563+/-0.004 χ^2/NDF:14333137.4/59

All: 29.411+/-0.003 χ^2/NDF: 30969614.5/113



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: 25.8/34

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

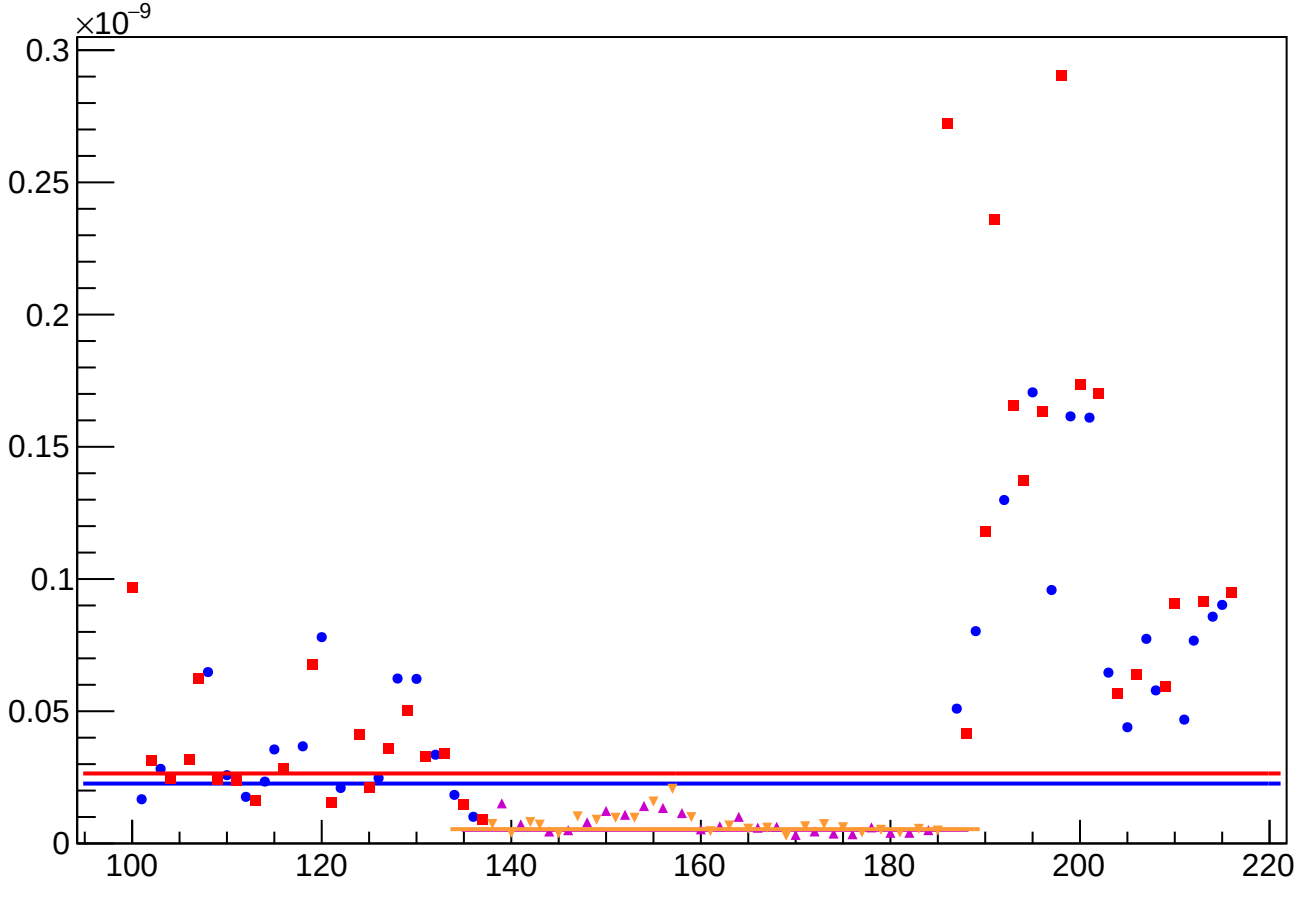
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 61.3/65

In: -0.000+/-0.000 χ^2/NDF:54.4/53

Out: -0.000+/-0.000 χ^2/NDF:44.4/59

All: -0.000+/-0.000 χ^2/NDF: 98.8/113



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: 10601462.1/34

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

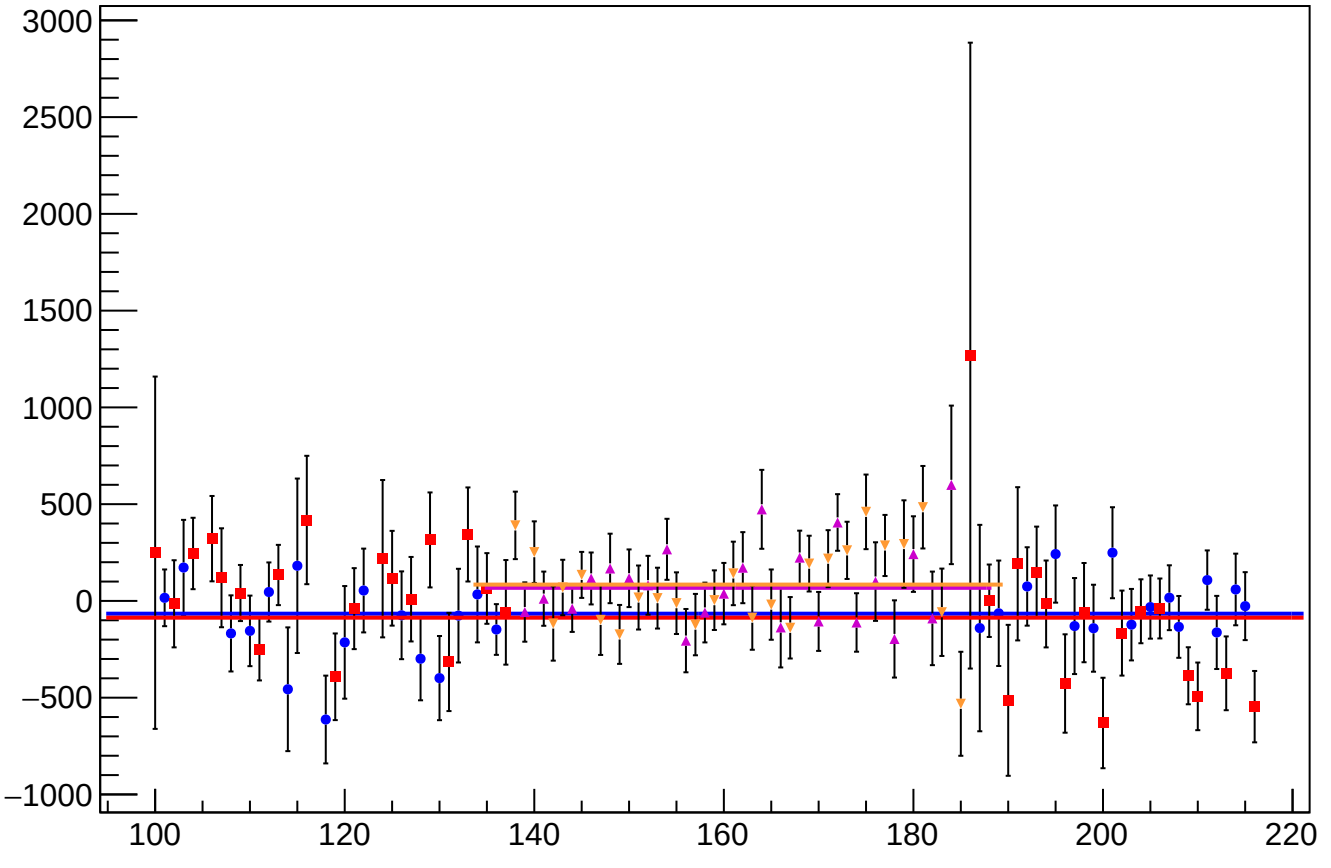
Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

Right: 0.000+/-0.000 χ^2/NDF: 21156503.6/65

In: 0.000+/-0.000 χ^2/NDF:21149250.5/53

Out: 0.000+/-0.000 χ^2/NDF:21949041.8/59

All: 0.000+/-0.000 χ^2/NDF: 43114474.1/113



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: -86.587+/-36.154 χ^2/NDF: 53.6/34

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

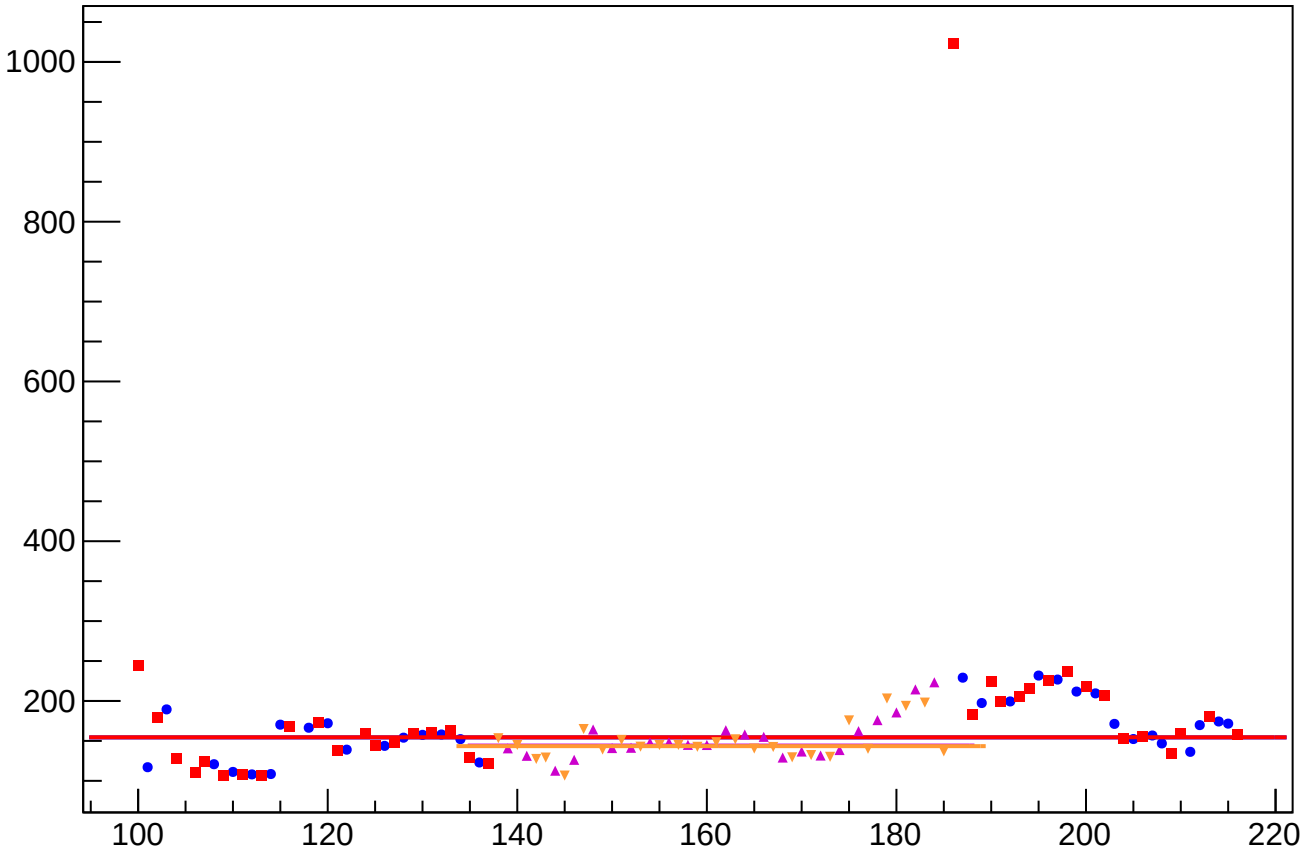
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -76.273+/-25.540 χ^2/NDF: 74.9/65

In: 4.524+/-24.798 χ^2/NDF:54.9/53

Out: 6.556+/-24.388 χ^2/NDF:99.6/59

All: 5.557+/-17.388 χ^2/NDF: 154.5/113



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: 154.527+/-0.026 χ^2/NDF: 2517914.2/34

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

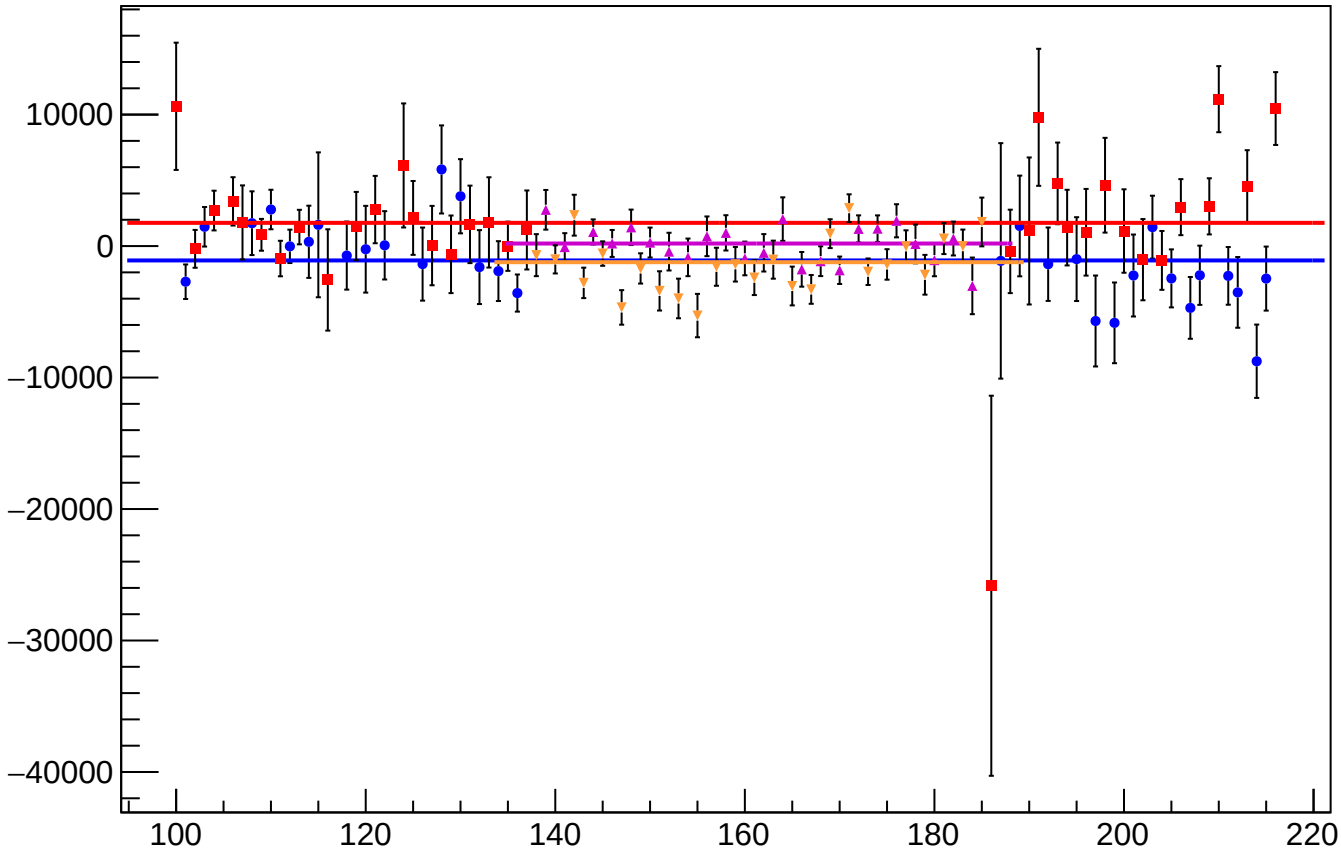
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 154.443+/-0.018 χ^2/NDF: 4123635.9/65

In: 148.983+/-0.018 χ^2/NDF:2392568.8/53

Out: 148.487+/-0.017 χ^2/NDF:3367382.7/59

All: 148.731+/-0.012 χ^2/NDF: 5760358.7/113



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: 1766.088+/-395.676 χ^2/NDF: 51.4/34

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

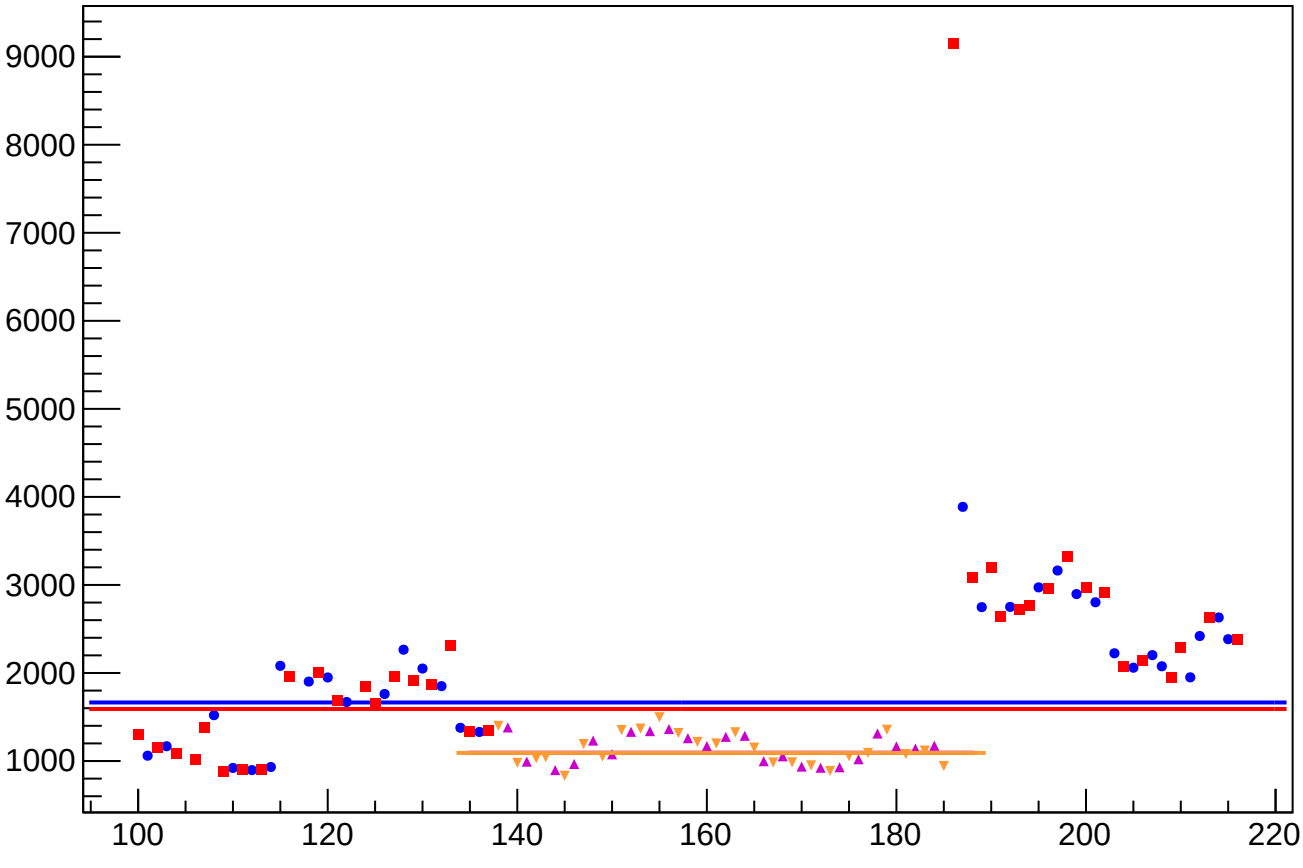
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 383.846+/-284.367 χ^2/NDF: 119.0/65

In: -174.341+/-218.763 χ^2/NDF:72.7/53

Out: -363.029+/-212.413 χ^2/NDF:151.4/59

All: -271.463+/-152.394 χ^2/NDF: 224.5/113



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: 1591.301+/-0.280 χ^2/NDF: 6938325.9/34

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

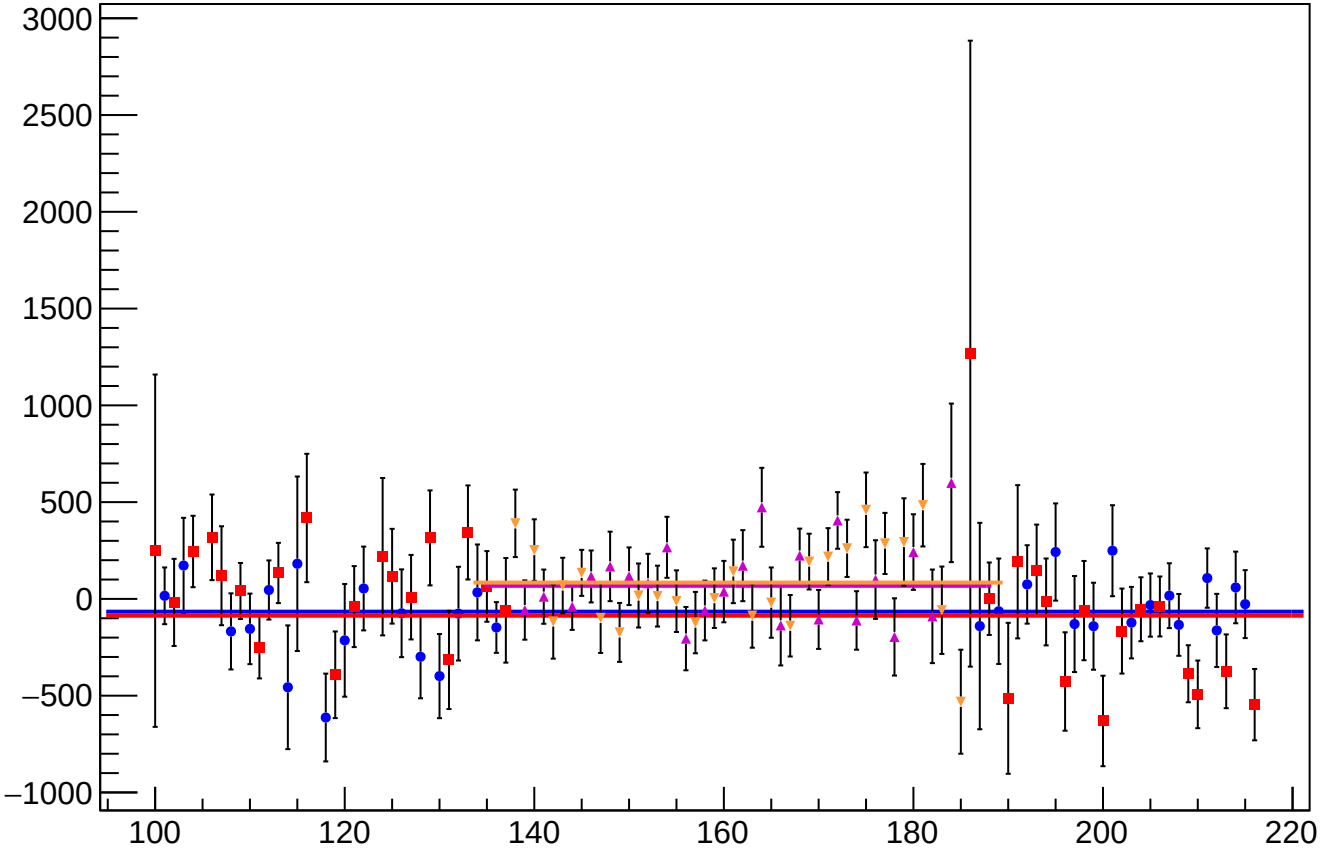
Right: 1626.942+/-0.201 χ^2/NDF: 12123008.9/65

In: 1257.733+/-0.155 χ^2/NDF:8662816.9/53

Out: 1235.880+/-0.150 χ^2/NDF:10097879.2/59

All: 1246.485+/-0.108 χ^2/NDF: 18770969.4/1

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



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: -86.834+/-36.157 χ^2/NDF: 53.5/34

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

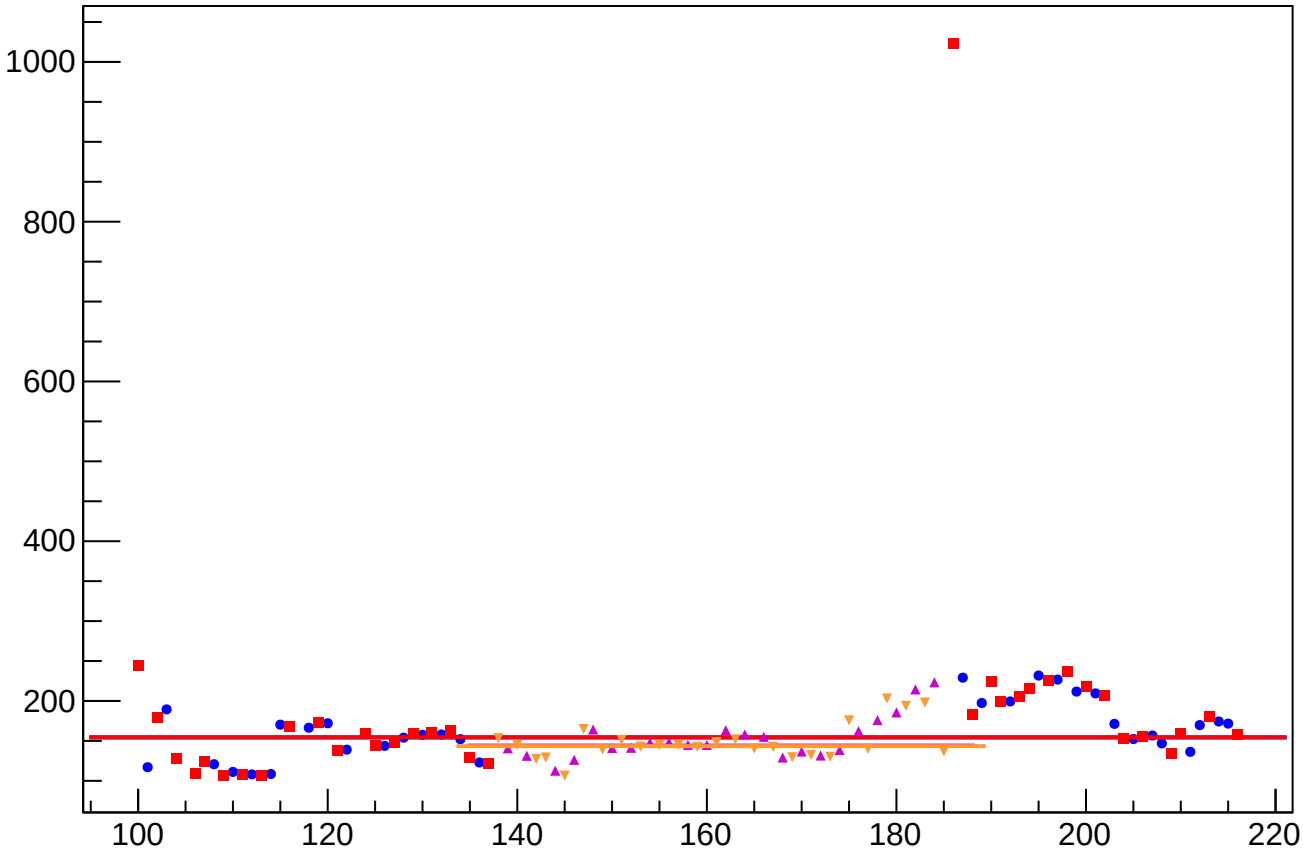
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -76.399+/-25.541 χ^2/NDF: 74.8/65

In: 4.522+/-24.798 χ^2/NDF:54.9/53

Out: 6.459+/-24.389 χ^2/NDF:99.5/59

All: 5.507+/-17.388 χ^2/NDF: 154.4/113



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: 154.493+/-0.026 χ^2/NDF: 2523413.2/34

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

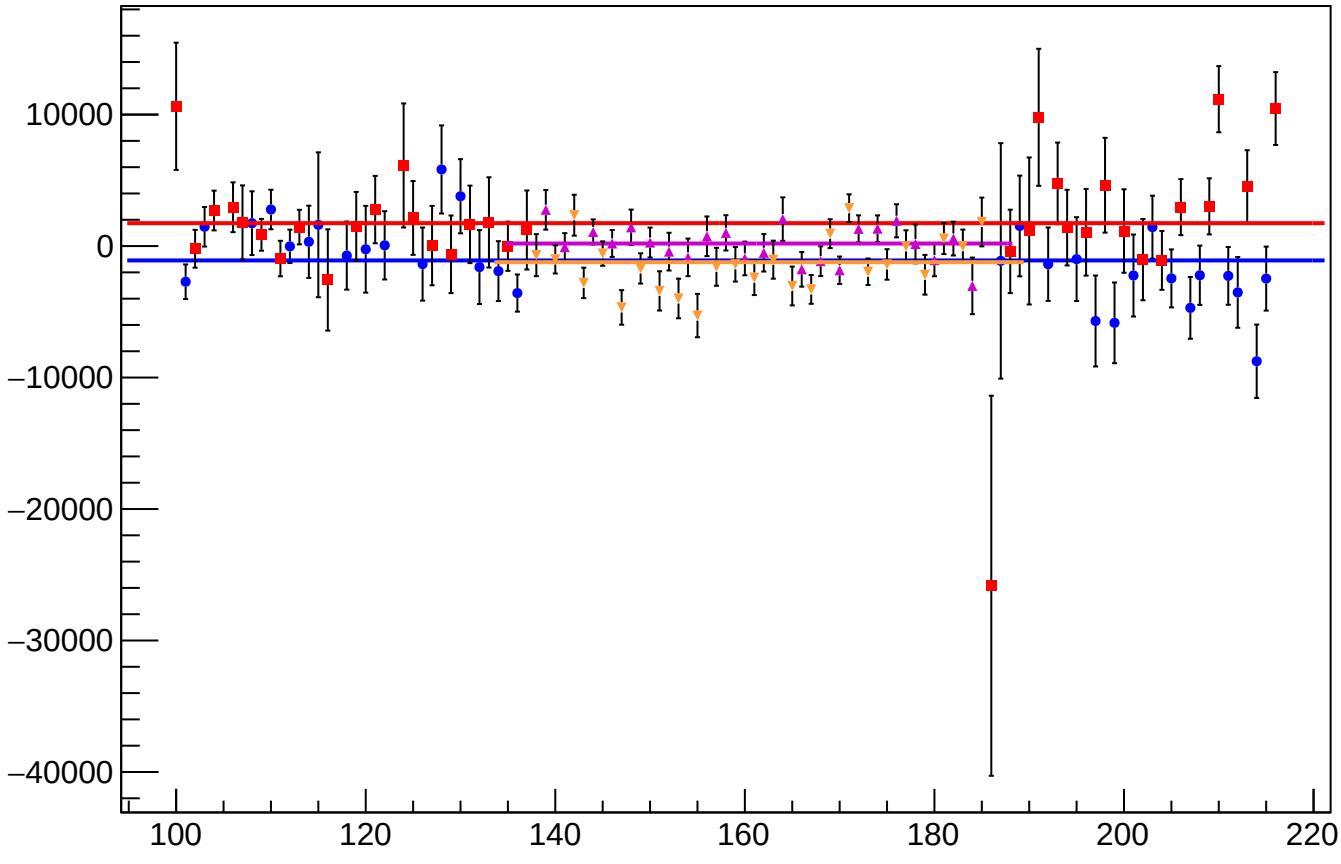
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 154.426+/-0.018 χ^2/NDF: 4129129.3/65

In: 148.983+/-0.018 χ^2/NDF:2392571.4/53

Out: 148.471+/-0.017 χ^2/NDF:3372246.4/59

All: 148.722+/-0.012 χ^2/NDF: 5765251.6/113



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: 1742.731+/-396.233 χ^2/NDF: 51.0/34

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

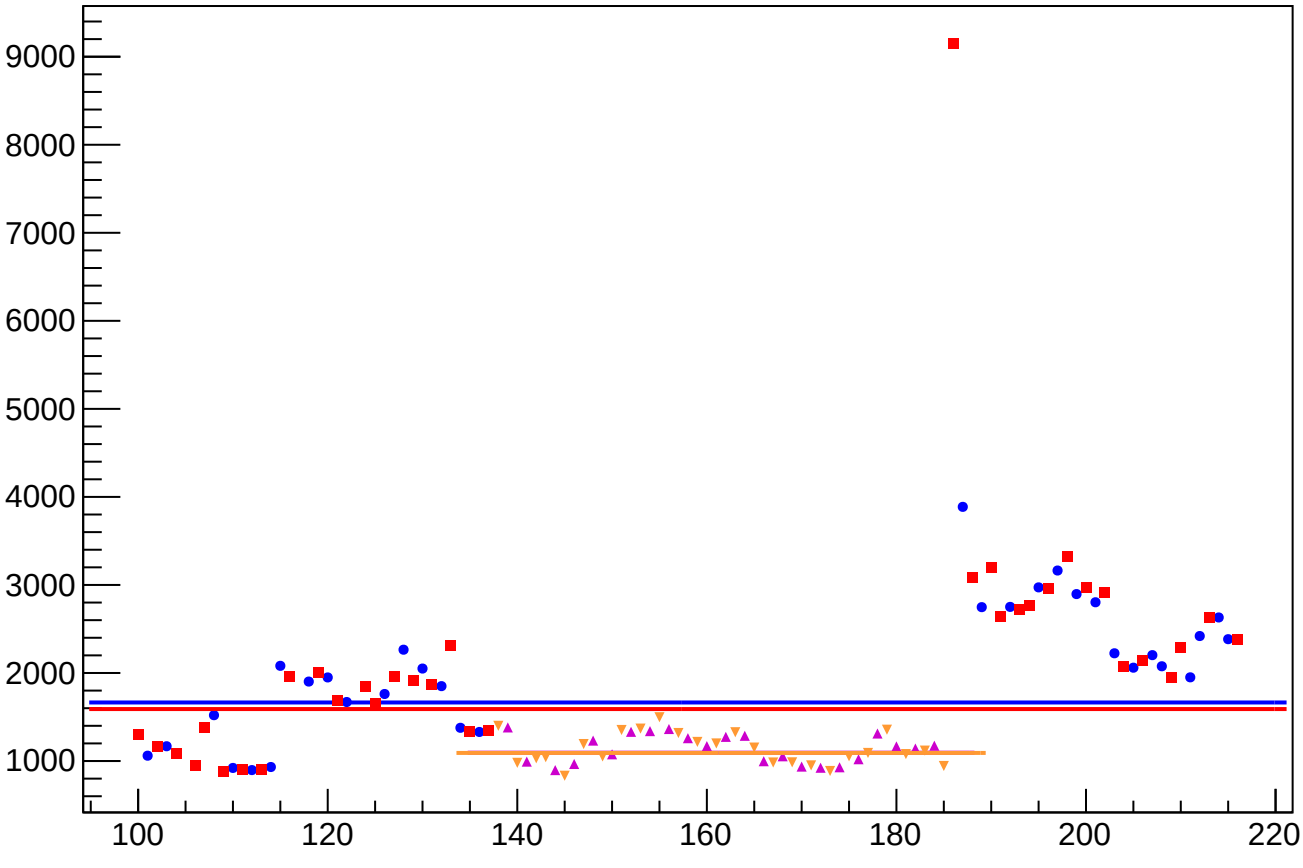
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 369.775+/-284.574 χ^2/NDF: 118.2/65

In: -174.351+/-218.764 χ^2/NDF:72.7/53

Out: -371.457+/-212.499 χ^2/NDF:150.3/59

All: -275.767+/-152.426 χ^2/NDF: 223.4/113



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: 1590.248+/-0.280 χ^2/NDF: 6967890.1/34

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

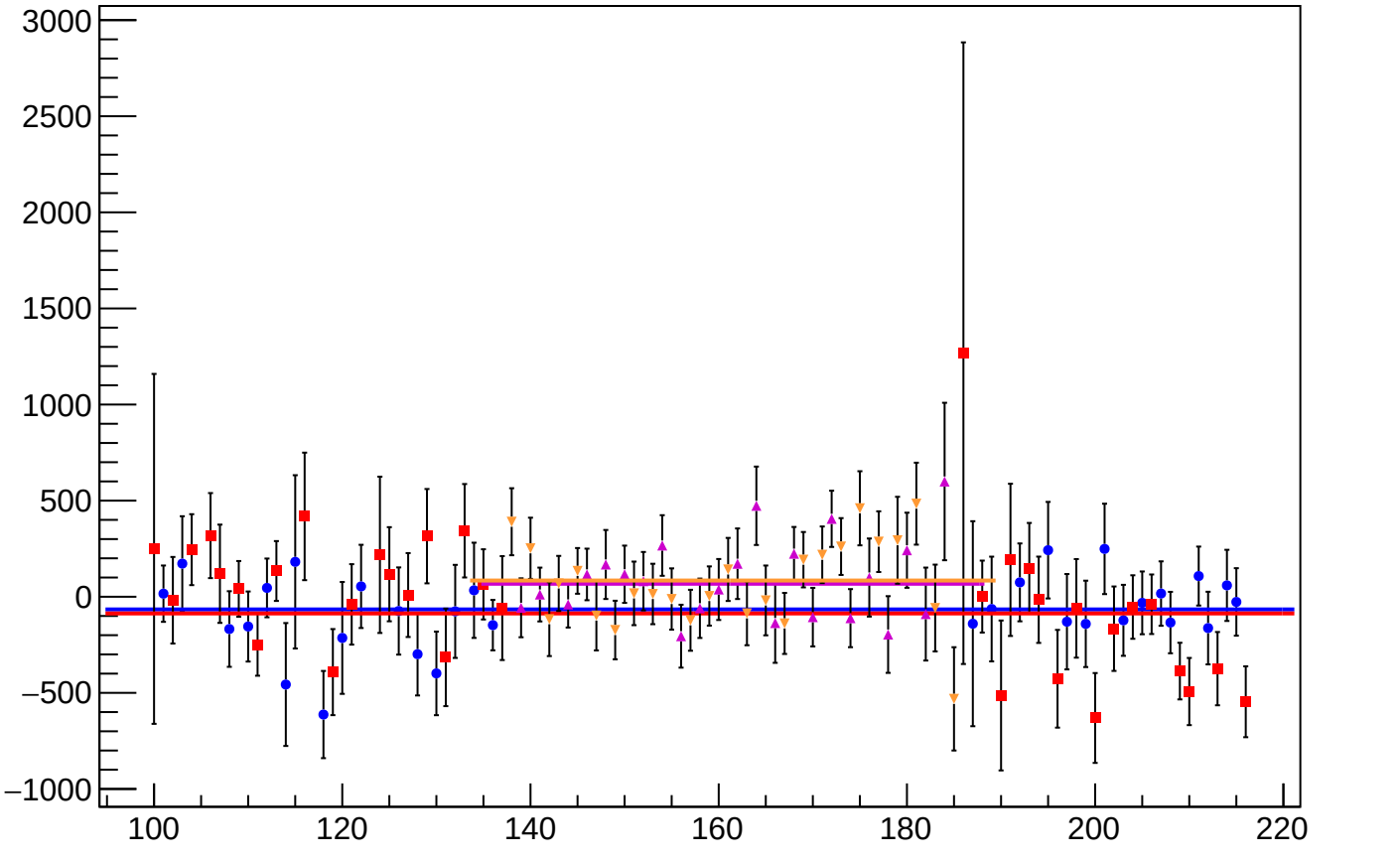
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1626.457+/-0.201 χ^2/NDF: 12153376.4/65

In: 1257.736+/-0.155 χ^2/NDF:8662797.5/53

Out: 1235.289+/-0.150 χ^2/NDF:10113381.2/59

All: 1246.187+/-0.108 χ^2/NDF: 18787013.0/1



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: -86.834+/-36.157 χ^2/NDF: 53.5/34

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

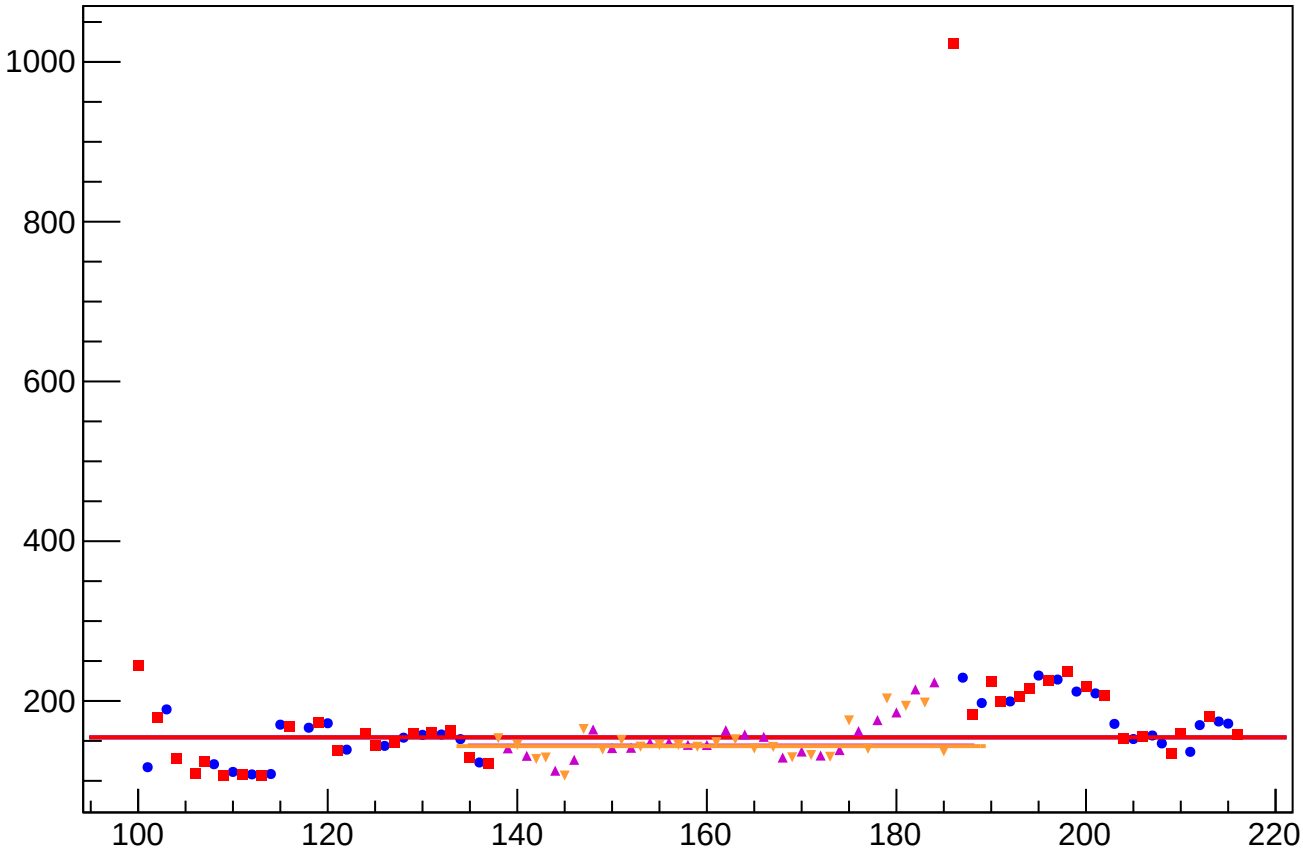
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -76.399+/-25.541 χ^2/NDF: 74.8/65

In: 4.522+/-24.798 χ^2/NDF:54.9/53

Out: 6.459+/-24.389 χ^2/NDF:99.5/59

All: 5.507+/-17.388 χ^2/NDF: 154.4/113



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: 154.493+/-0.026 χ^2/NDF: 2523413.2/34

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

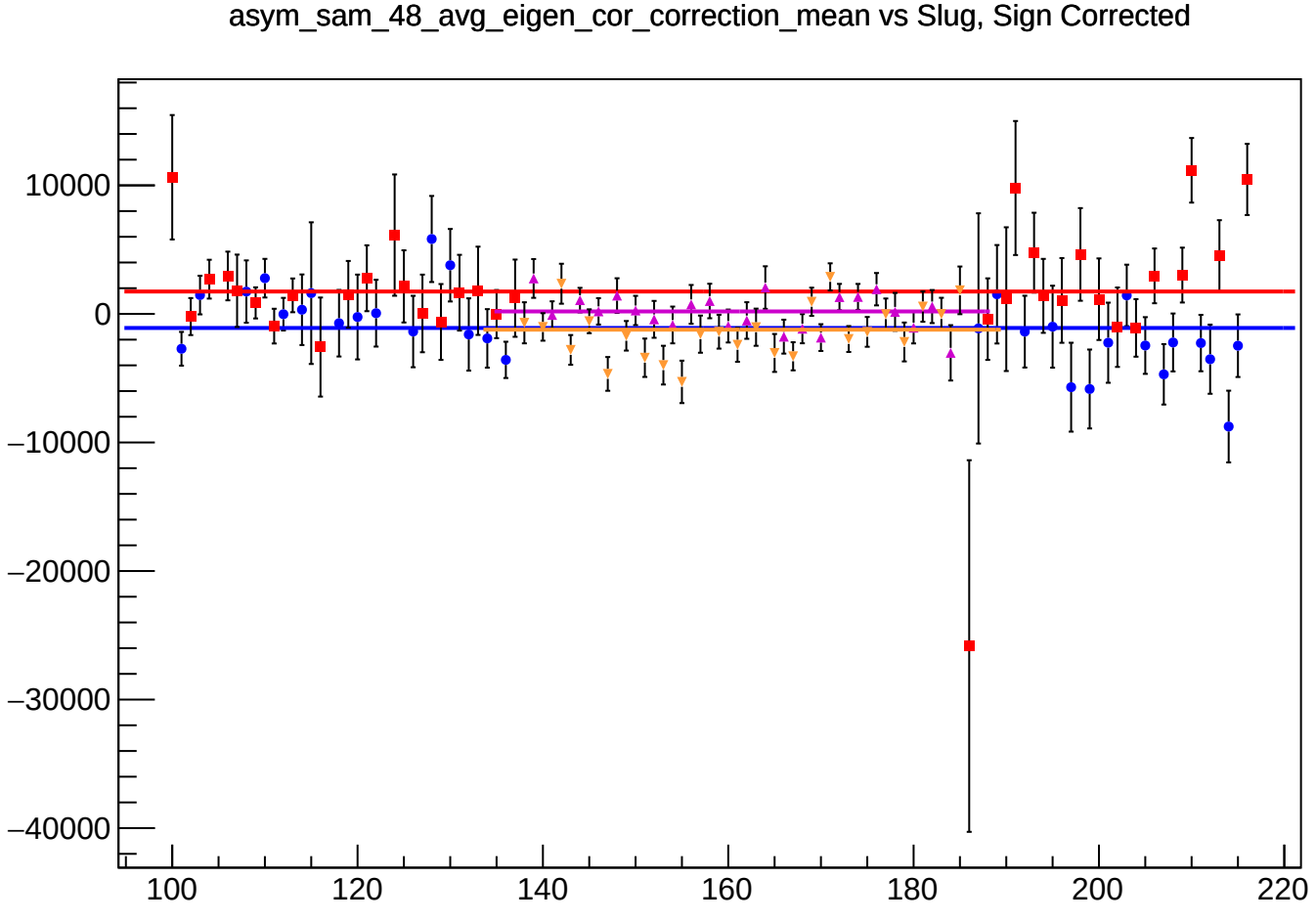
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 154.426+/-0.018 χ^2/NDF: 4129129.3/65

In: 148.983+/-0.018 χ^2/NDF:2392571.4/53

Out: 148.471+/-0.017 χ^2/NDF:3372246.4/59

All: 148.722+/-0.012 χ^2/NDF: 5765251.6/113



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: 1742.731+/-396.233 χ^2/NDF: 51.0/34

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

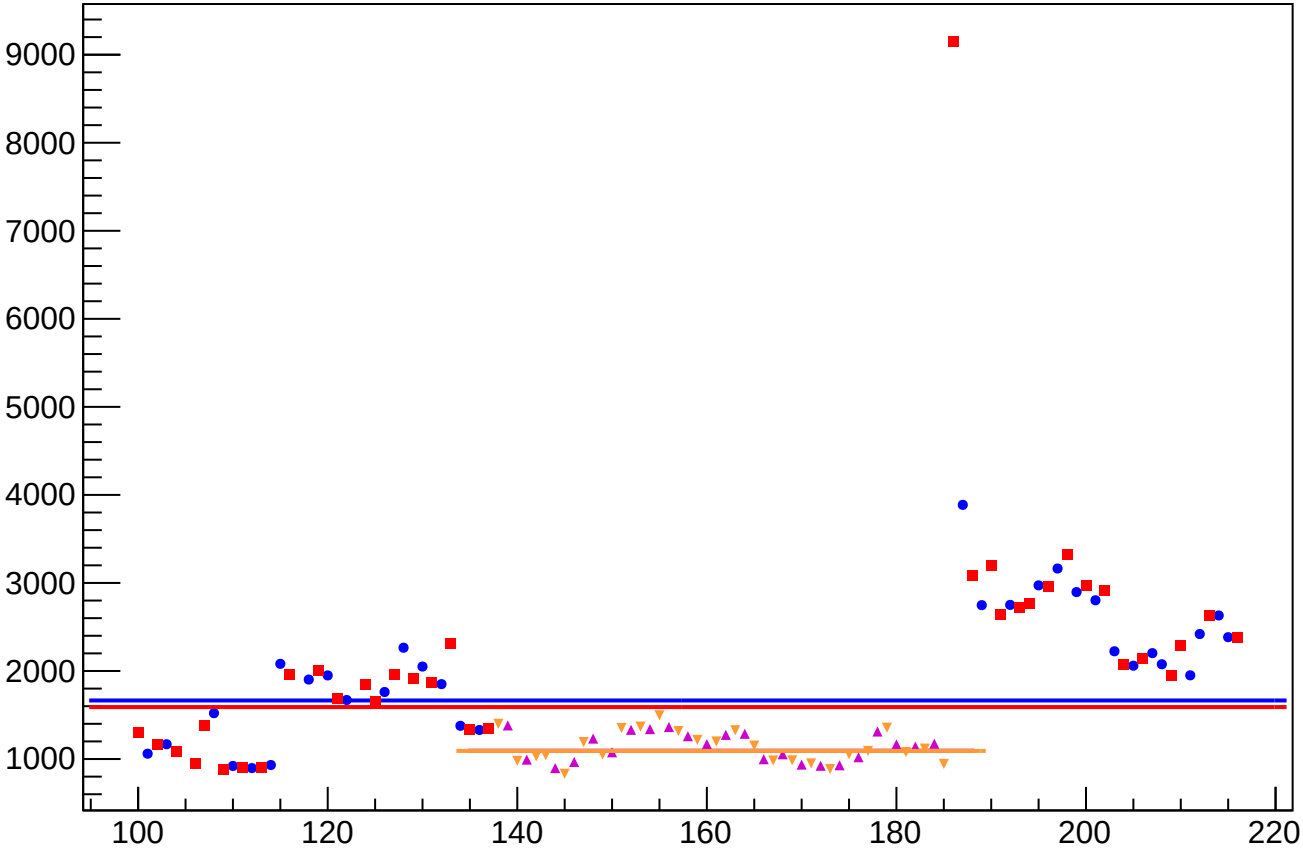
Right: 369.775+/-284.574 χ^2/NDF: 118.2/65

In: -174.351+/-218.764 χ^2/NDF:72.7/53

Out: -371.457+/-212.499 χ^2/NDF:150.3/59

All: -275.767+/-152.426 χ^2/NDF: 223.4/113

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: 1590.248+/-0.280 χ^2/NDF: 6967890.1/34

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

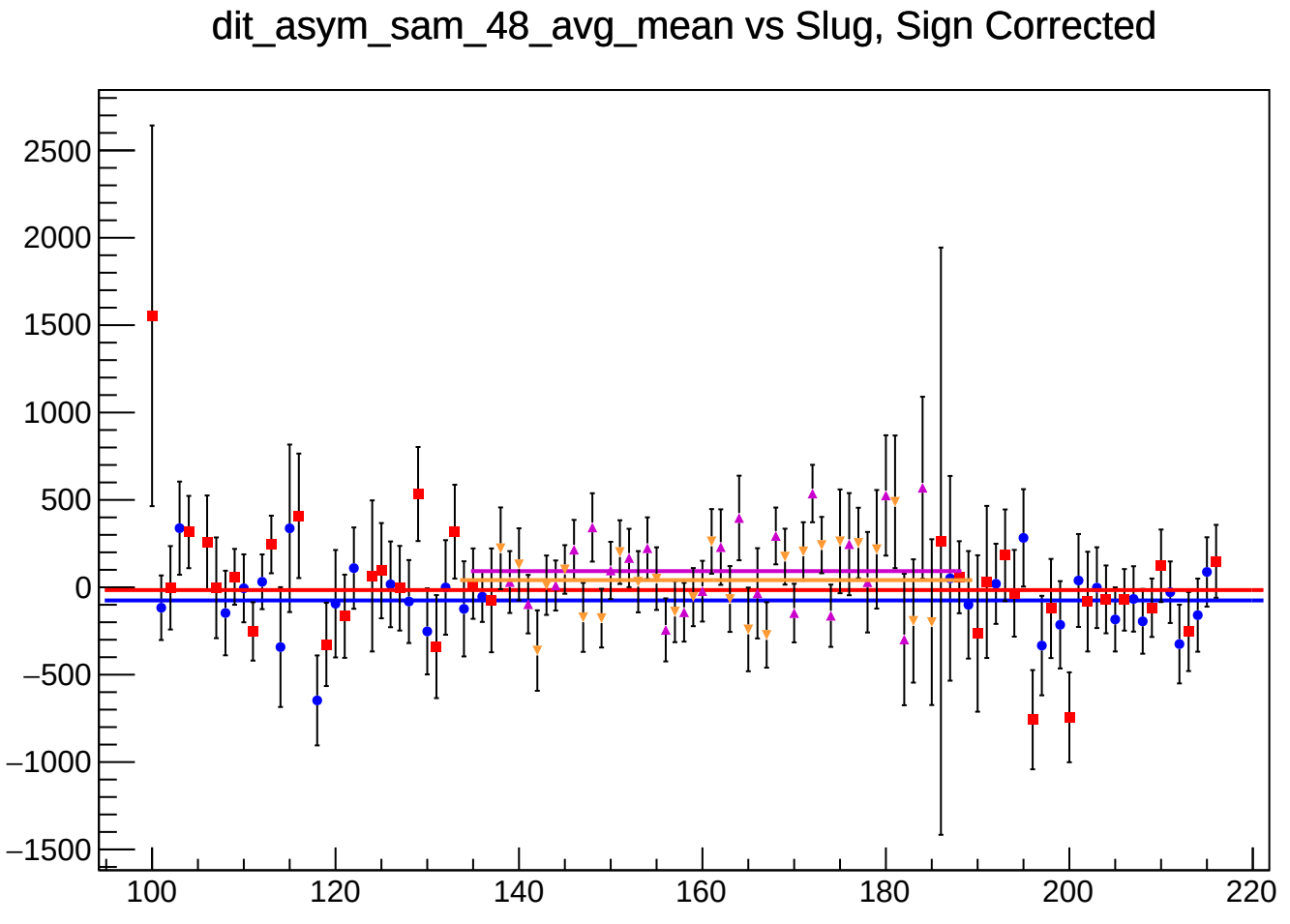
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1626.457+/-0.201 χ^2/NDF: 12153376.4/65

In: 1257.736+/-0.155 χ^2/NDF:8662797.5/53

Out: 1235.289+/-0.150 χ^2/NDF:10113381.2/59

All: 1246.187+/-0.108 χ^2/NDF: 18787013.0/1



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: -15.769+/-40.451 χ^2/NDF: 39.9/34

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

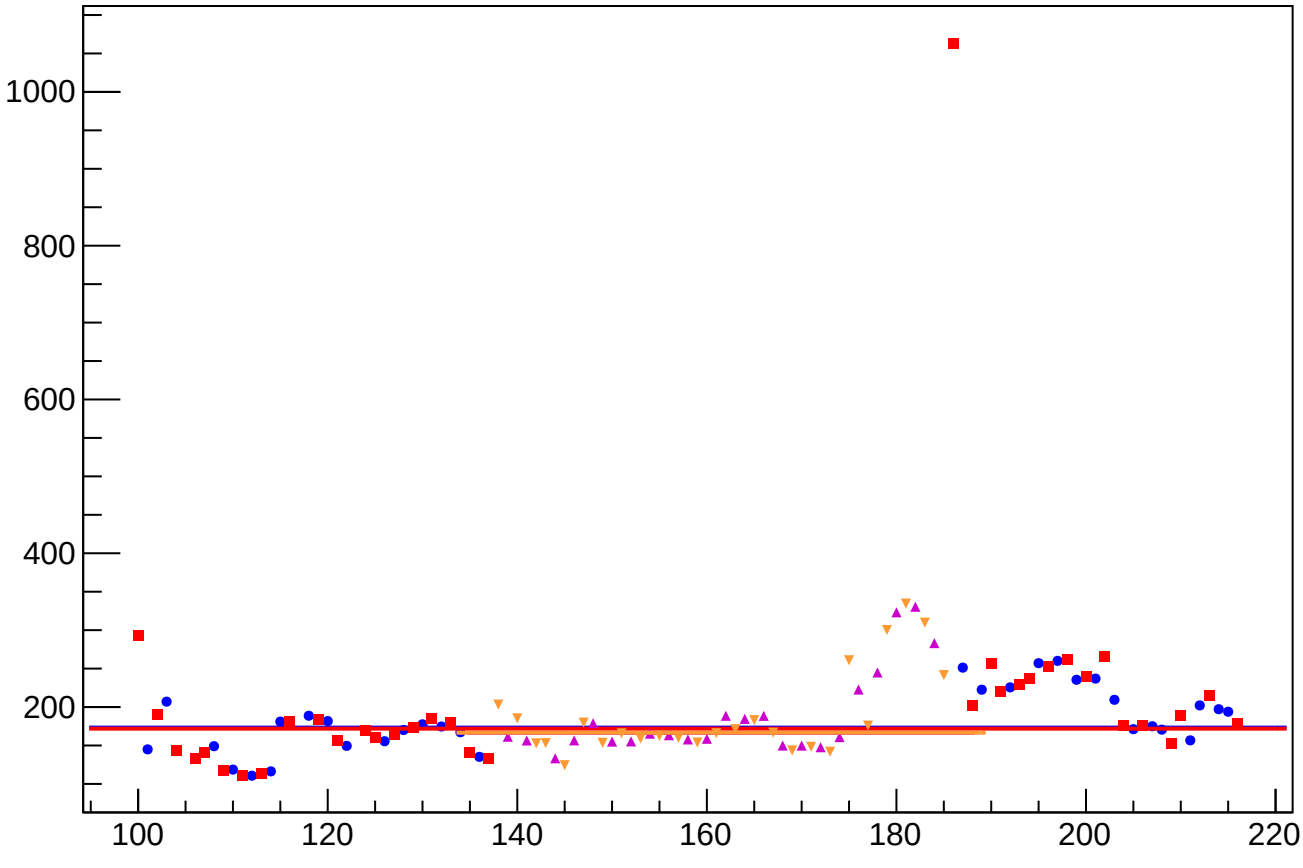
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -45.344+/-28.676 χ^2/NDF: 58.1/65

In: 9.690+/-28.574 χ^2/NDF:55.2/53

Out: 13.568+/-28.142 χ^2/NDF:63.3/59

All: 11.659+/-20.050 χ^2/NDF: 118.5/113



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: 171.903+/-0.029 χ^2/NDF: 2759945.1/34

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

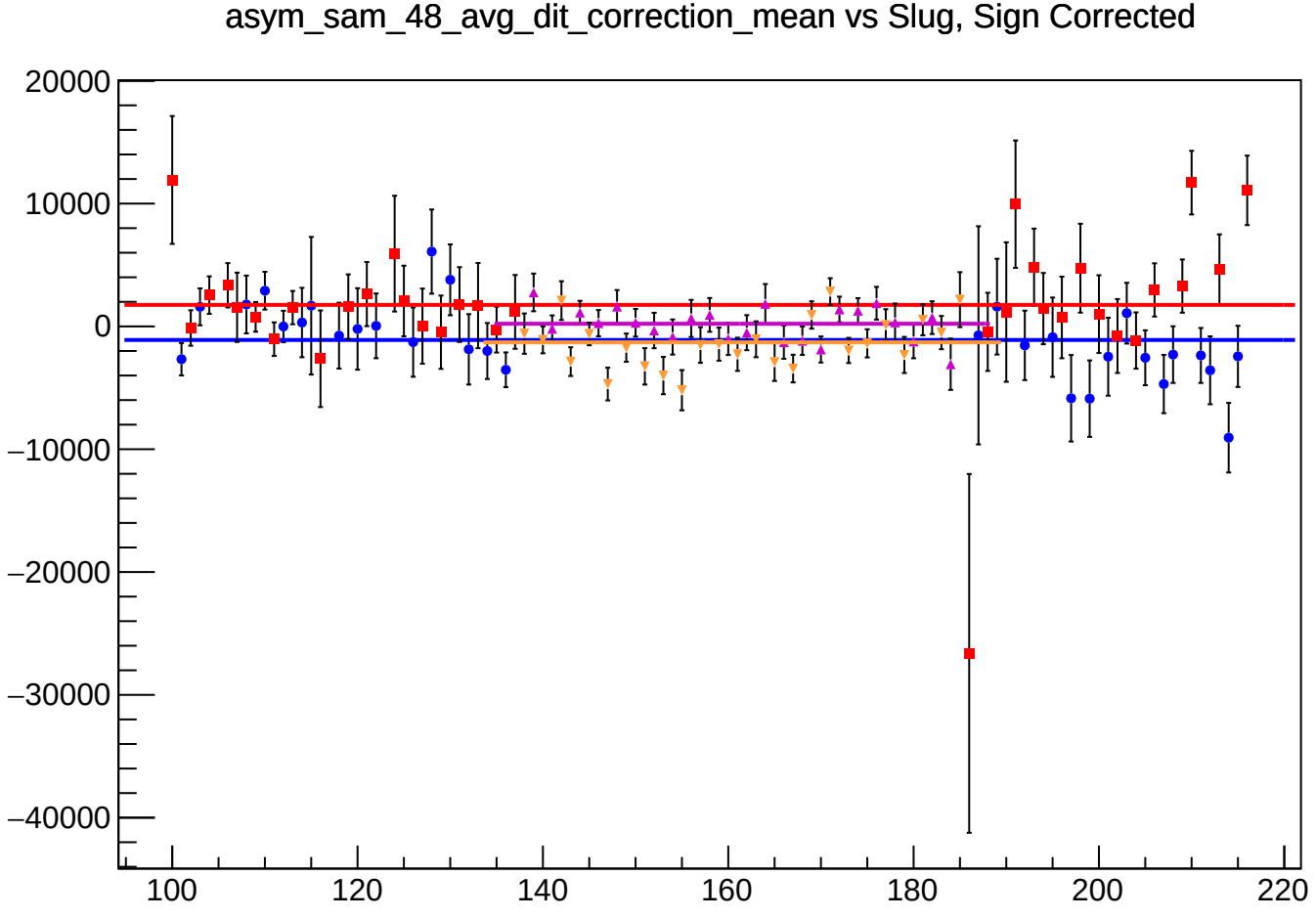
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 172.572+/-0.020 χ^2/NDF: 4518705.8/65

In: 169.735+/-0.020 χ^2/NDF:3179611.9/53

Out: 169.166+/-0.020 χ^2/NDF:4497529.7/59

All: 169.446+/-0.014 χ^2/NDF: 7677544.4/113



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: 1752.374+/-399.806 χ^2/NDF: 54.0/34

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

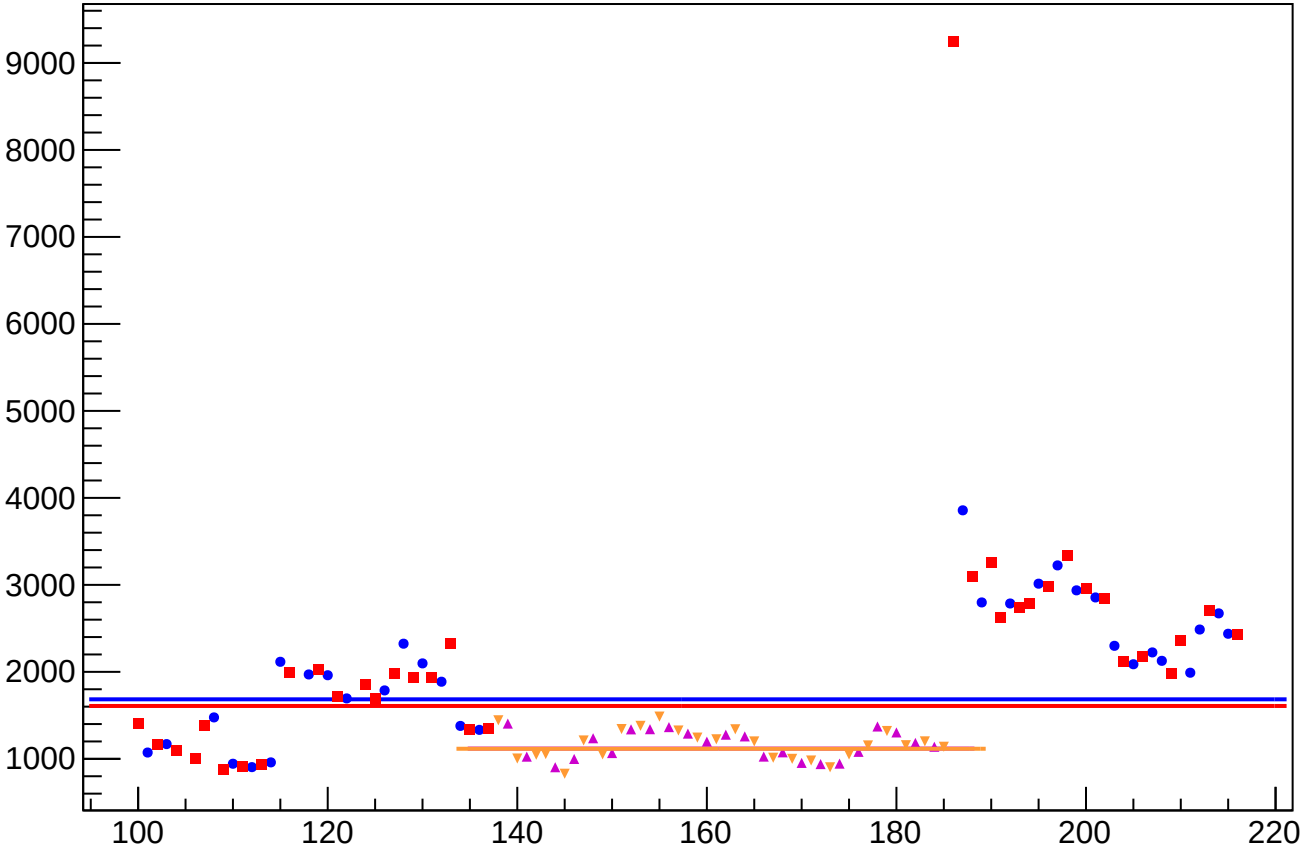
Right: 374.959+/-287.639 χ^2/NDF: 121.5/65

In: -165.001+/-222.848 χ^2/NDF:72.3/53

Out: -406.527+/-216.164 χ^2/NDF:150.3/59

All: -289.440+/-155.160 χ^2/NDF: 223.2/113

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



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: 1607.881+/-0.283 χ^2/NDF: 6961928.7/34

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

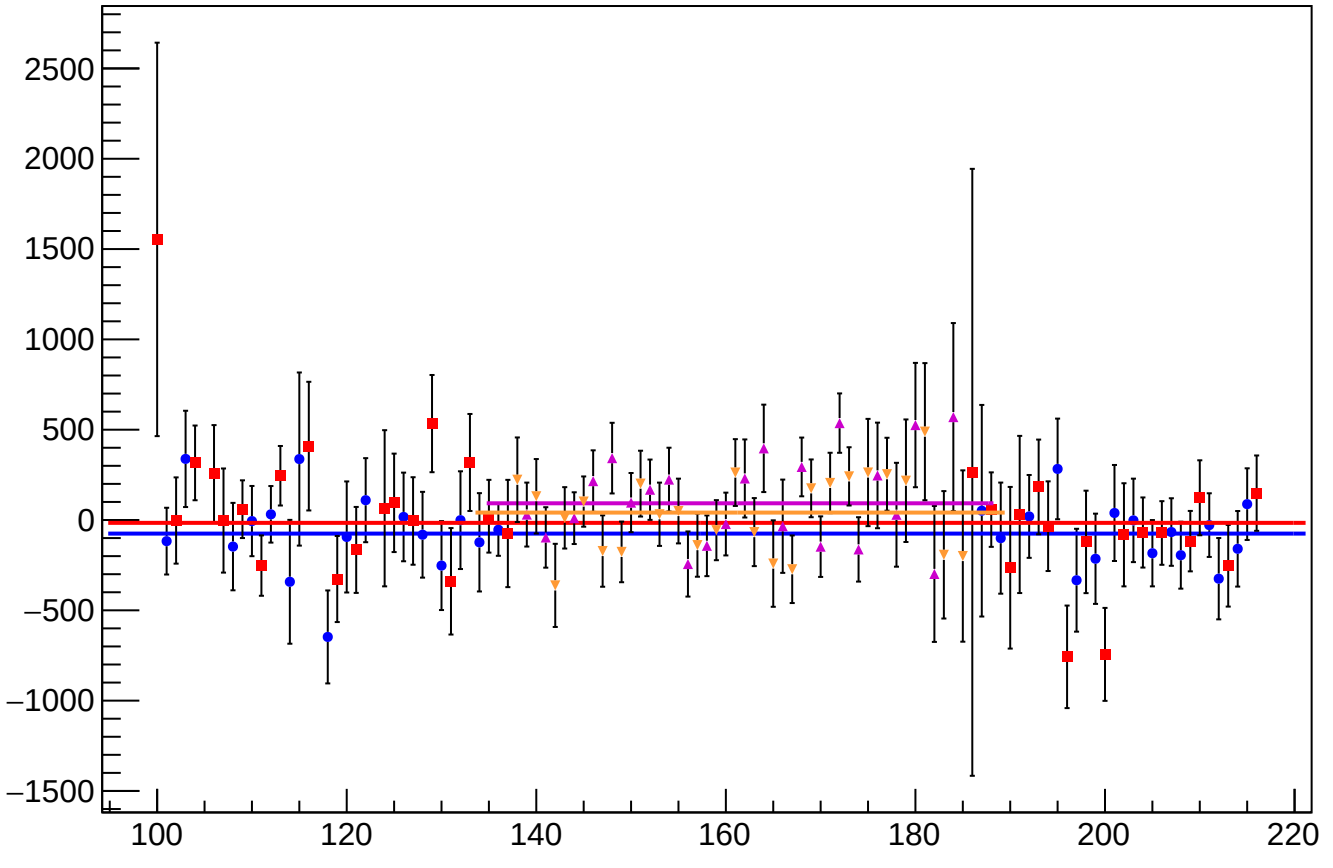
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1644.743+/-0.203 χ^2/NDF: 12243416.5/65

In: 1281.852+/-0.158 χ^2/NDF:8634007.0/53

Out: 1259.814+/-0.153 χ^2/NDF:9971444.8/59

All: 1270.497+/-0.110 χ^2/NDF: 18615528.8/1



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: -15.771+/-40.451 χ^2/NDF: 39.9/34

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

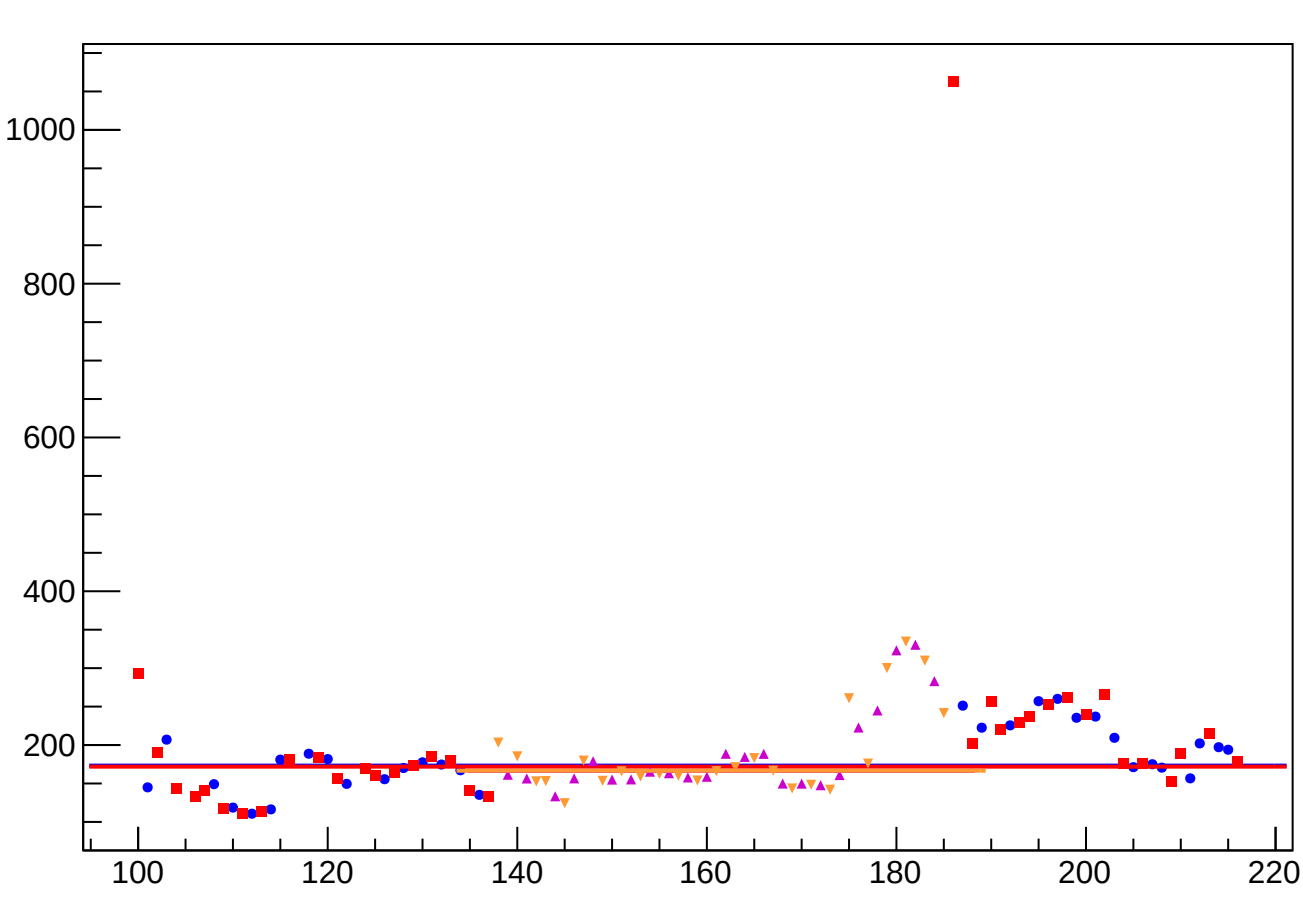
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -45.344+/-28.676 χ^2/NDF: 58.1/65

In: 9.692+/-28.574 χ^2/NDF:55.2/53

Out: 13.568+/-28.142 χ^2/NDF:63.3/59

All: 11.659+/-20.050 χ^2/NDF: 118.5/113



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: 171.903+/-0.029 χ^2/NDF: 2759946.8/34

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

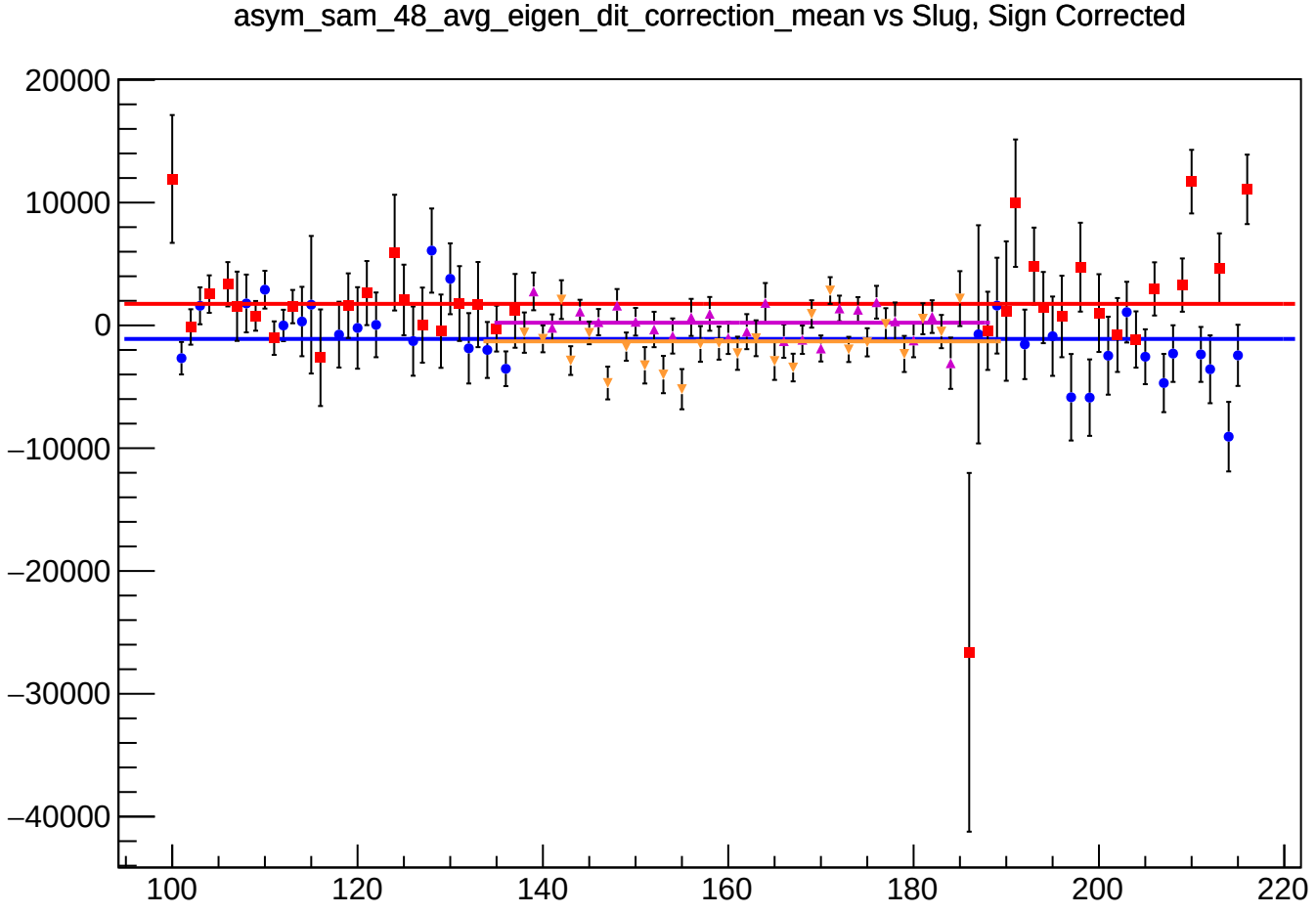
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 172.572+/-0.020 χ^2/NDF: 4518687.7/65

In: 169.735+/-0.020 χ^2/NDF:3179569.0/53

Out: 169.166+/-0.020 χ^2/NDF:4497522.9/59

All: 169.446+/-0.014 χ^2/NDF: 7677494.7/113



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: 1752.370+/-399.805 χ^2/NDF: 54.0/34

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

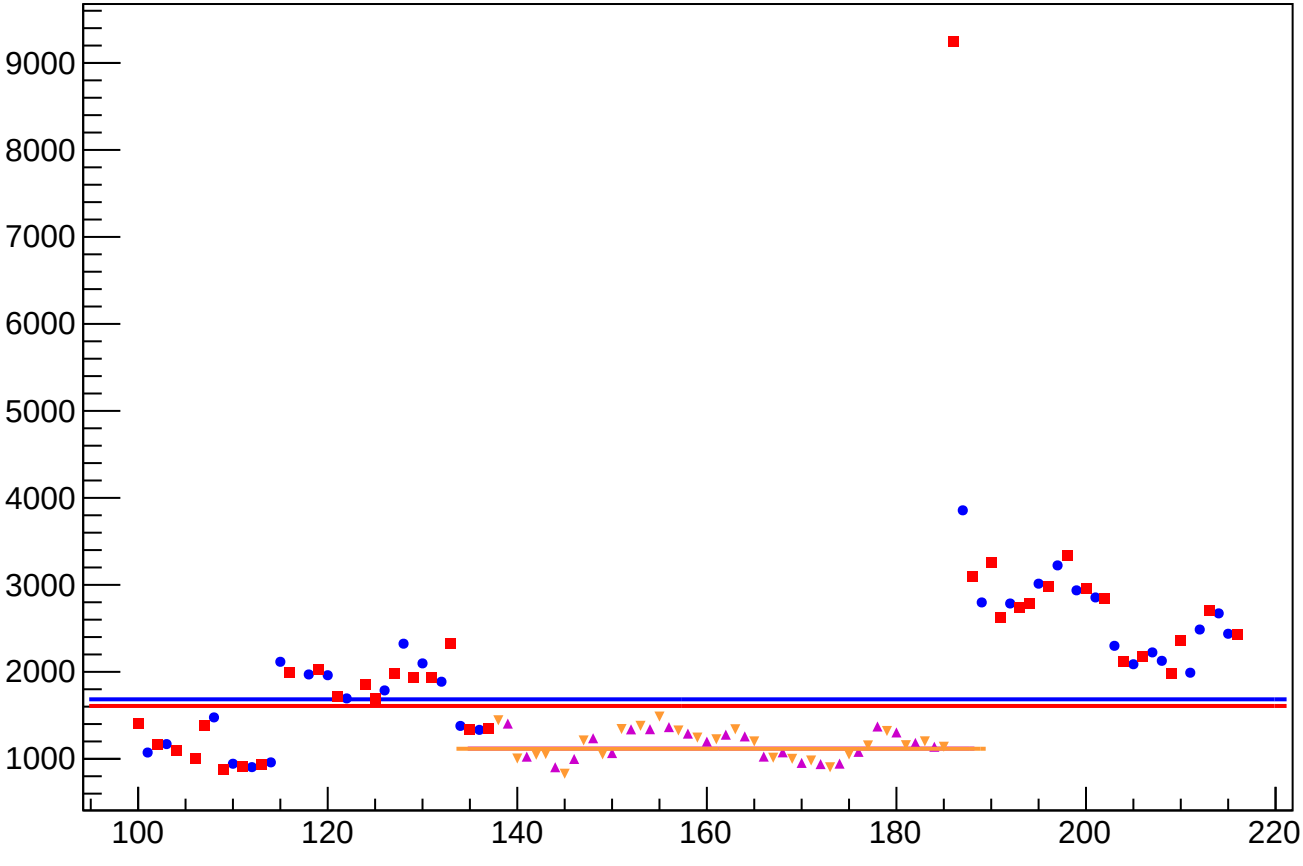
Right: 374.959+/-287.638 χ^2/NDF: 121.5/65

In: -165.001+/-222.847 χ^2/NDF:72.3/53

Out: -406.527+/-216.164 χ^2/NDF:150.3/59

All: -289.440+/-155.160 χ^2/NDF: 223.2/113

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1607.879+/-0.283 χ^2/NDF: 6961928.8/34

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

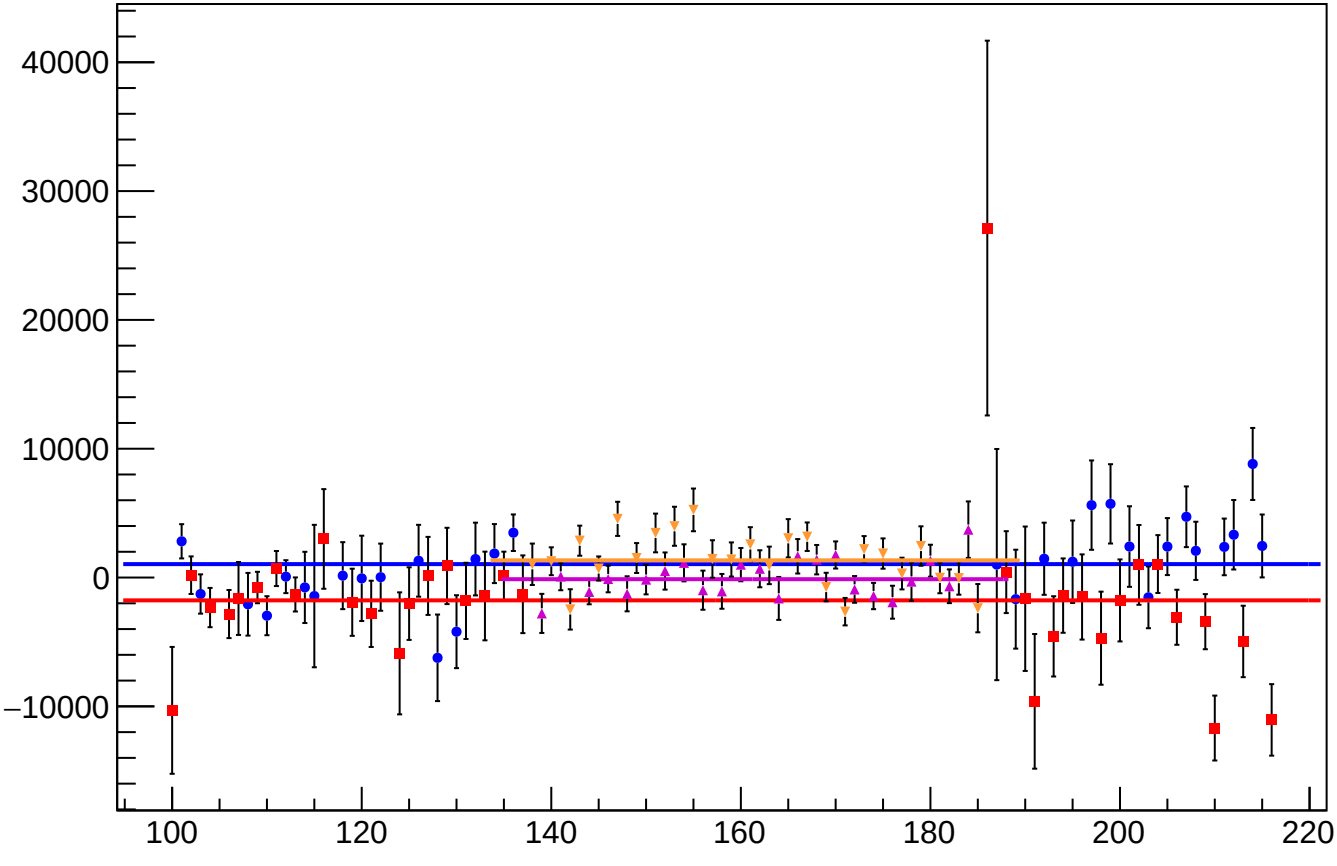
Right: 1644.741+/-0.203 χ^2/NDF: 12243418.0/65

In: 1281.850+/-0.158 χ^2/NDF:8634015.6/53

Out: 1259.812+/-0.153 χ^2/NDF:9971455.1/59

All: 1270.495+/-0.110 χ^2/NDF: 18615547.7/1

asym_sam_48_avg_mean vs Slug, Sign Corrected



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: -1771.832+/-398.149 χ^2/NDF: 53.6/34

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

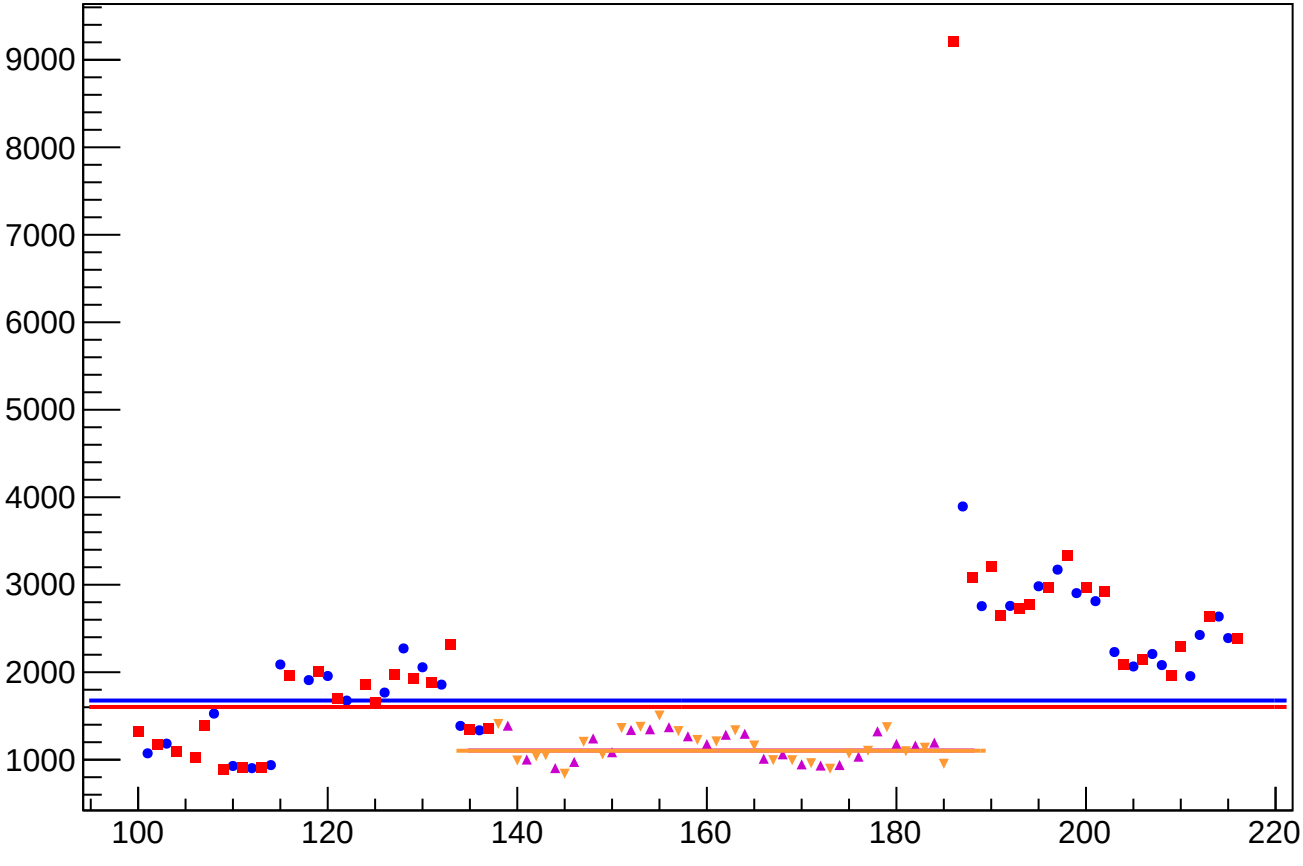
Right: -410.558+/-286.087 χ^2/NDF: 121.4/65

In: 208.465+/-220.632 χ^2/NDF:73.4/53

Out: 435.169+/-214.248 χ^2/NDF:152.5/59

All: 325.144+/-153.703 χ^2/NDF: 226.4/113

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: 1602.775+/-0.282 χ^2/NDF: 6867854.5/34

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

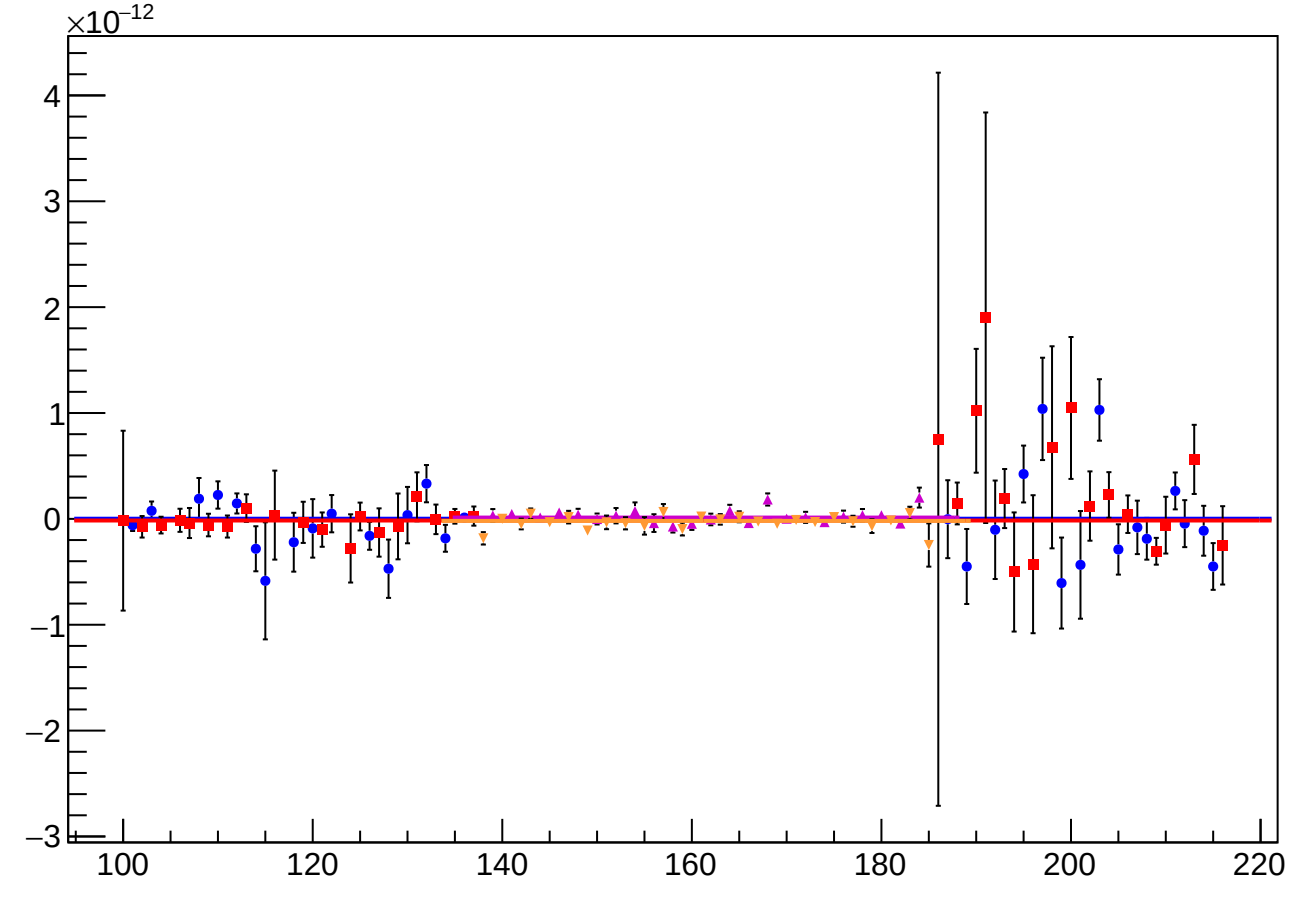
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1638.404+/-0.202 χ^2/NDF: 11984605.6/65

In: 1269.534+/-0.156 χ^2/NDF:8554271.0/53

Out: 1247.503+/-0.151 χ^2/NDF:9989805.2/59

All: 1258.195+/-0.109 χ^2/NDF: 18554339.4/1



Right In: 0.000+/-0.000 χ^2/NDF: 55.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/34

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

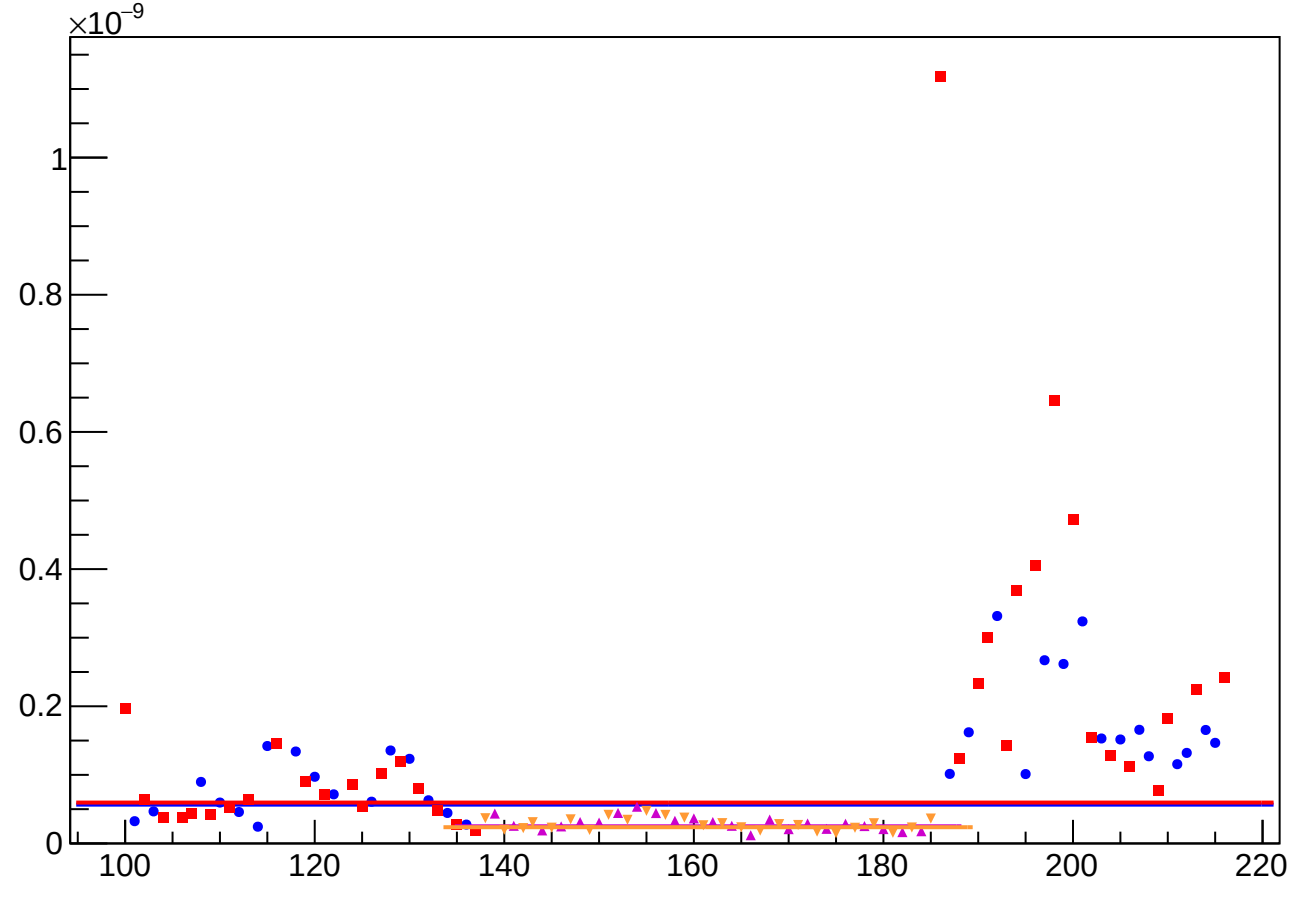
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 80.3/65

In: 0.000+/-0.000 χ^2/NDF:82.7/53

Out: -0.000+/-0.000 χ^2/NDF:51.2/59

All: -0.000+/-0.000 χ^2/NDF: 139.2/113



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: 7020430.7/34

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

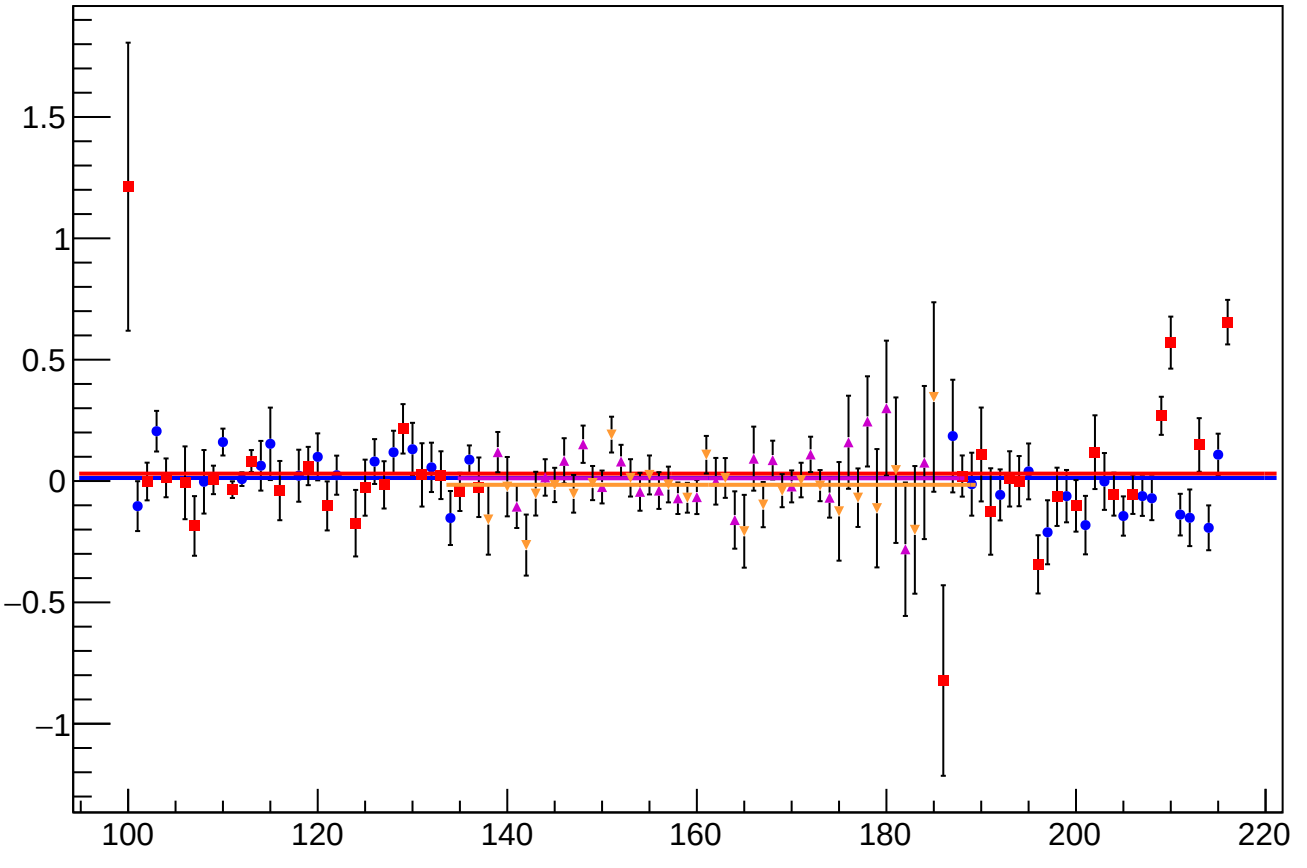
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 13674199.3/65

In: 0.000+/-0.000 χ^2/NDF:10926294.8/53

Out: 0.000+/-0.000 χ^2/NDF:11700774.0/59

All: 0.000+/-0.000 χ^2/NDF: 22676202.0/113



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: 0.031+/-0.015 χ^2/NDF: 124.0/34

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

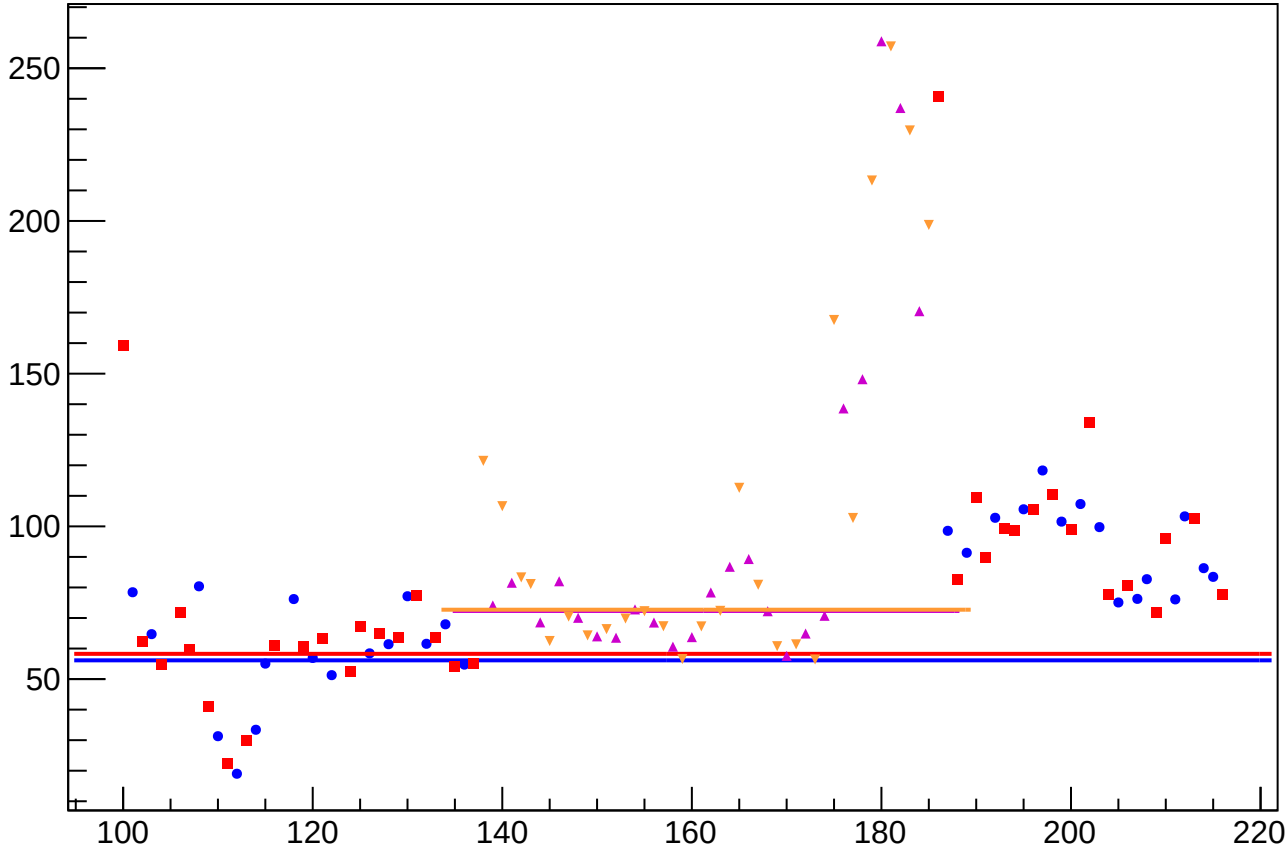
Right: 0.021+/-0.011 χ^2/NDF: 171.3/65

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.012+/-0.011 χ^2/NDF:149.5/59

All: 0.012+/-0.008 χ^2/NDF: 219.4/113

asym_sam_48_avg_dit_vs_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: 58.265+/-0.011 χ^2/NDF: 7158166.6/34

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

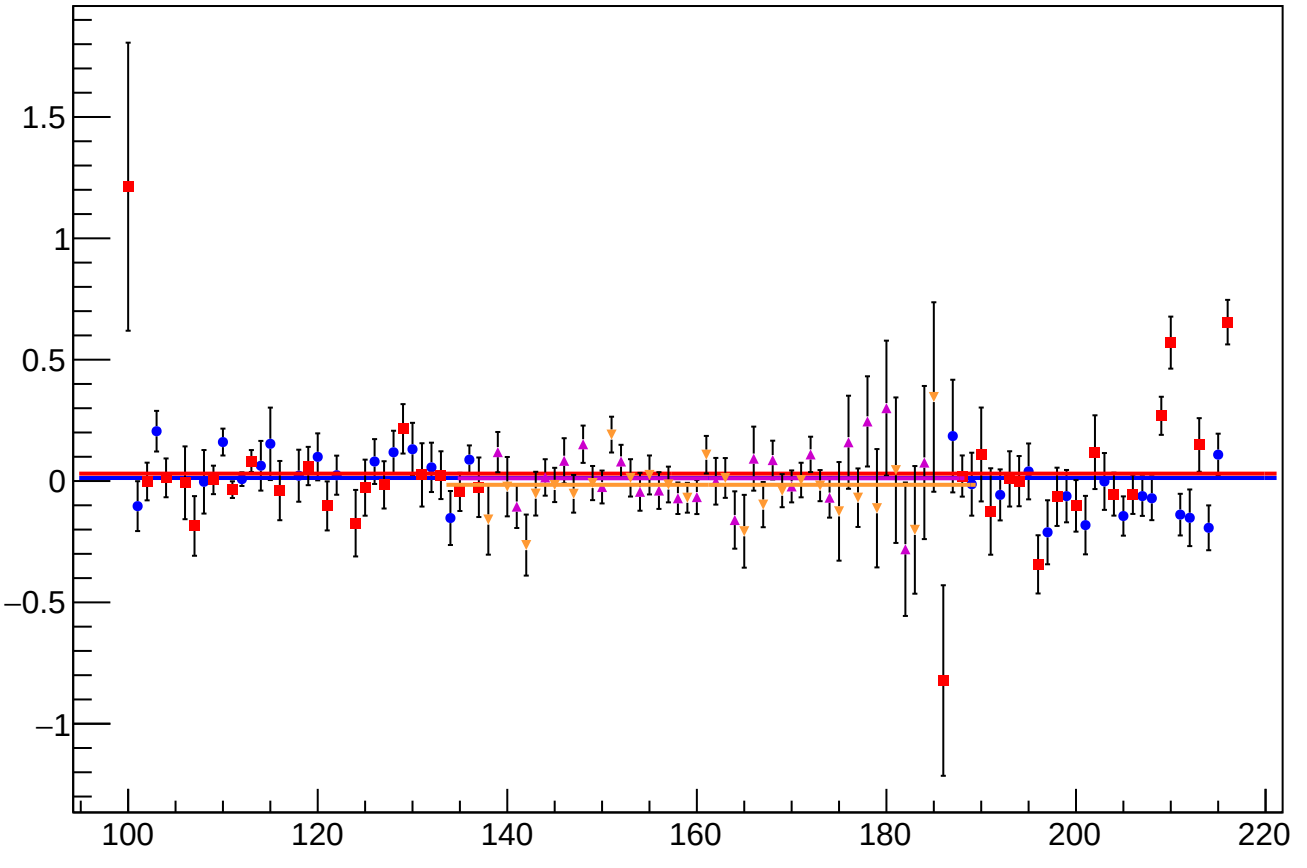
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 57.191+/-0.007 χ^2/NDF: 15198548.2/65

In: 62.534+/-0.008 χ^2/NDF:11756997.0/53

Out: 64.168+/-0.008 χ^2/NDF:11885038.0/59

All: 63.351+/-0.006 χ^2/NDF: 23662278.1/113



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: 0.031+/-0.015 χ^2/NDF: 124.0/34

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

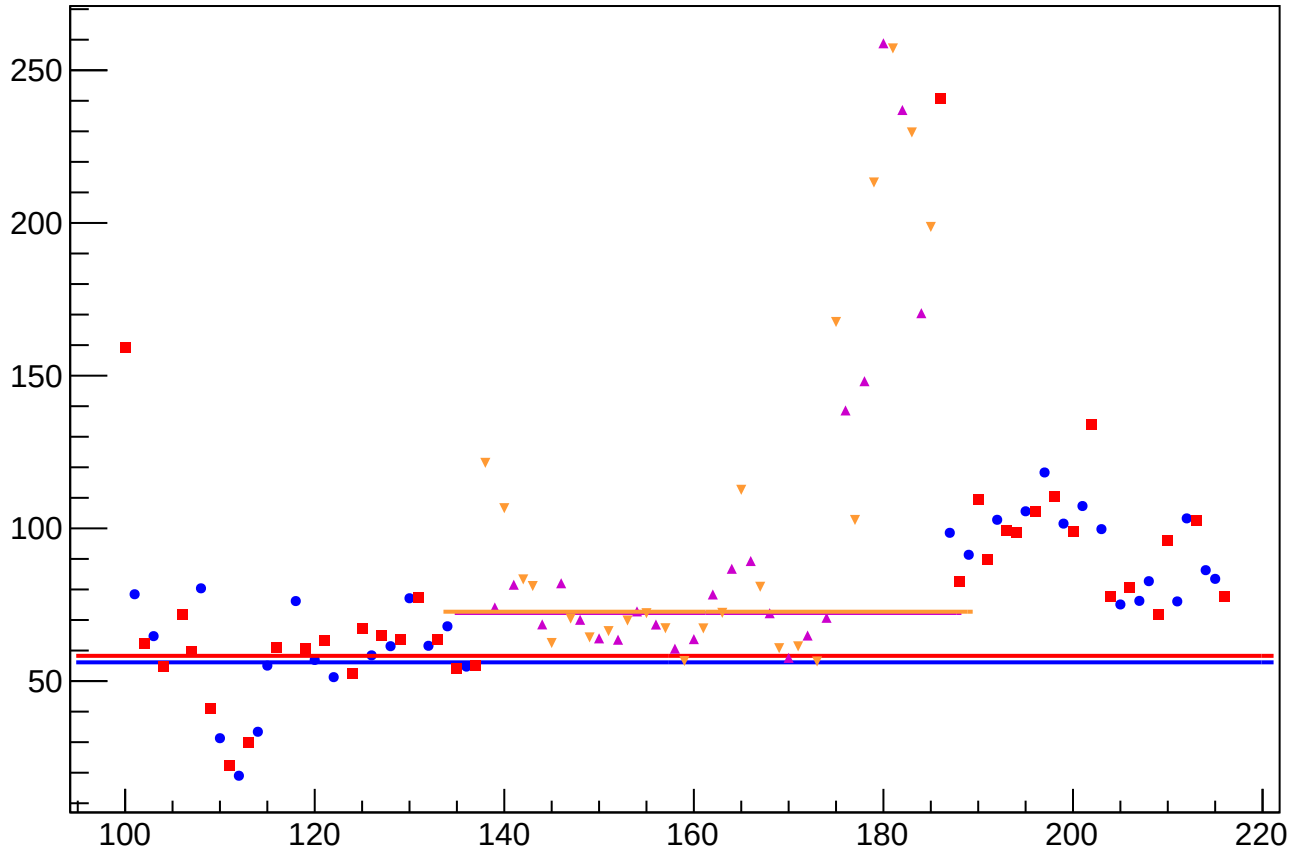
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.021+/-0.011 χ^2/NDF: 171.3/65

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.012+/-0.011 χ^2/NDF:149.5/59

All: 0.012+/-0.008 χ^2/NDF: 219.4/113



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: 58.265+/-0.011 χ^2/NDF: 7158166.6/34

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

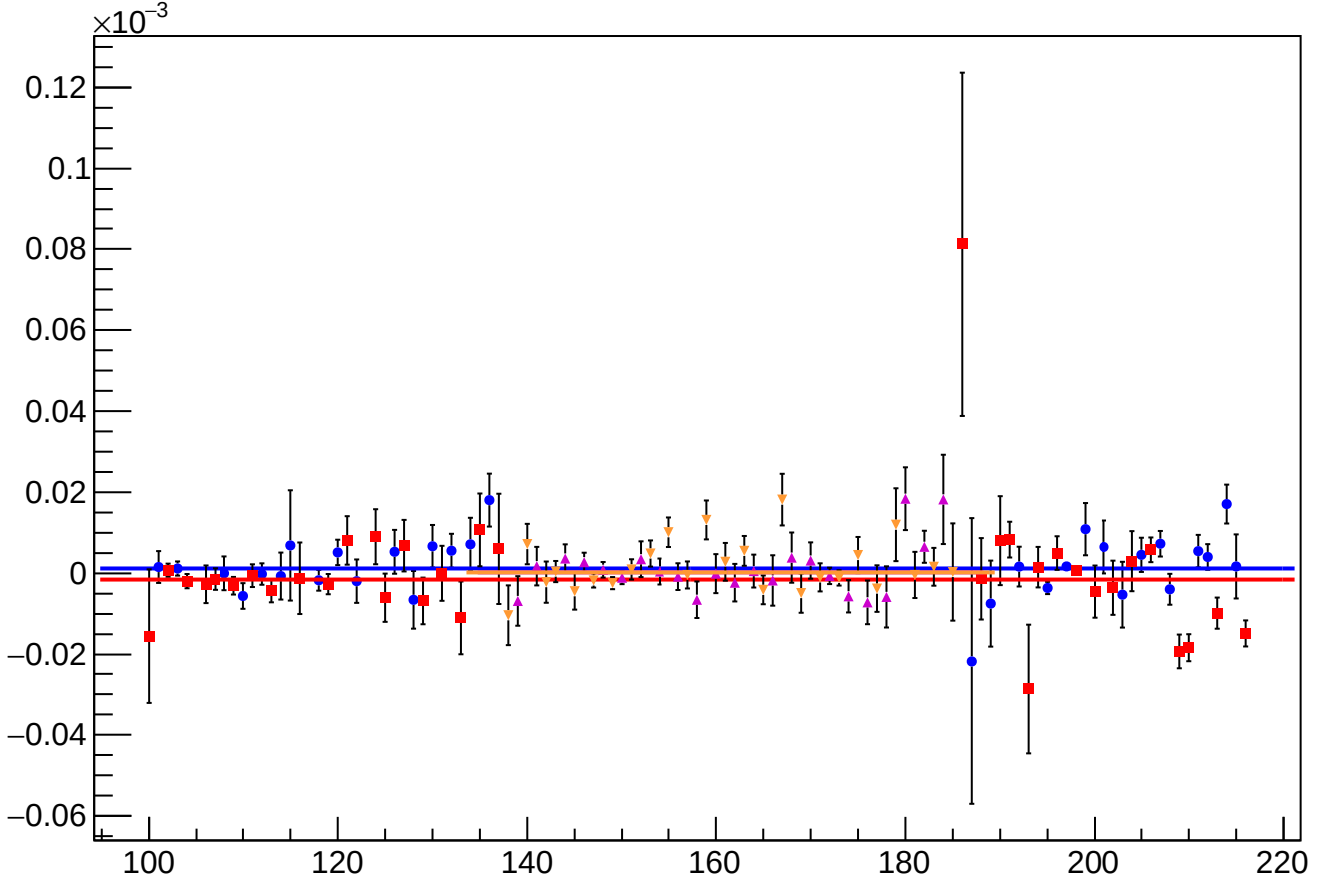
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 57.191+/-0.007 χ^2/NDF: 15198548.2/65

In: 62.534+/-0.008 χ^2/NDF:11756997.0/53

Out: 64.168+/-0.008 χ^2/NDF:11885038.0/59

All: 63.351+/-0.006 χ^2/NDF: 23662278.1/113



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: 107.9/34

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

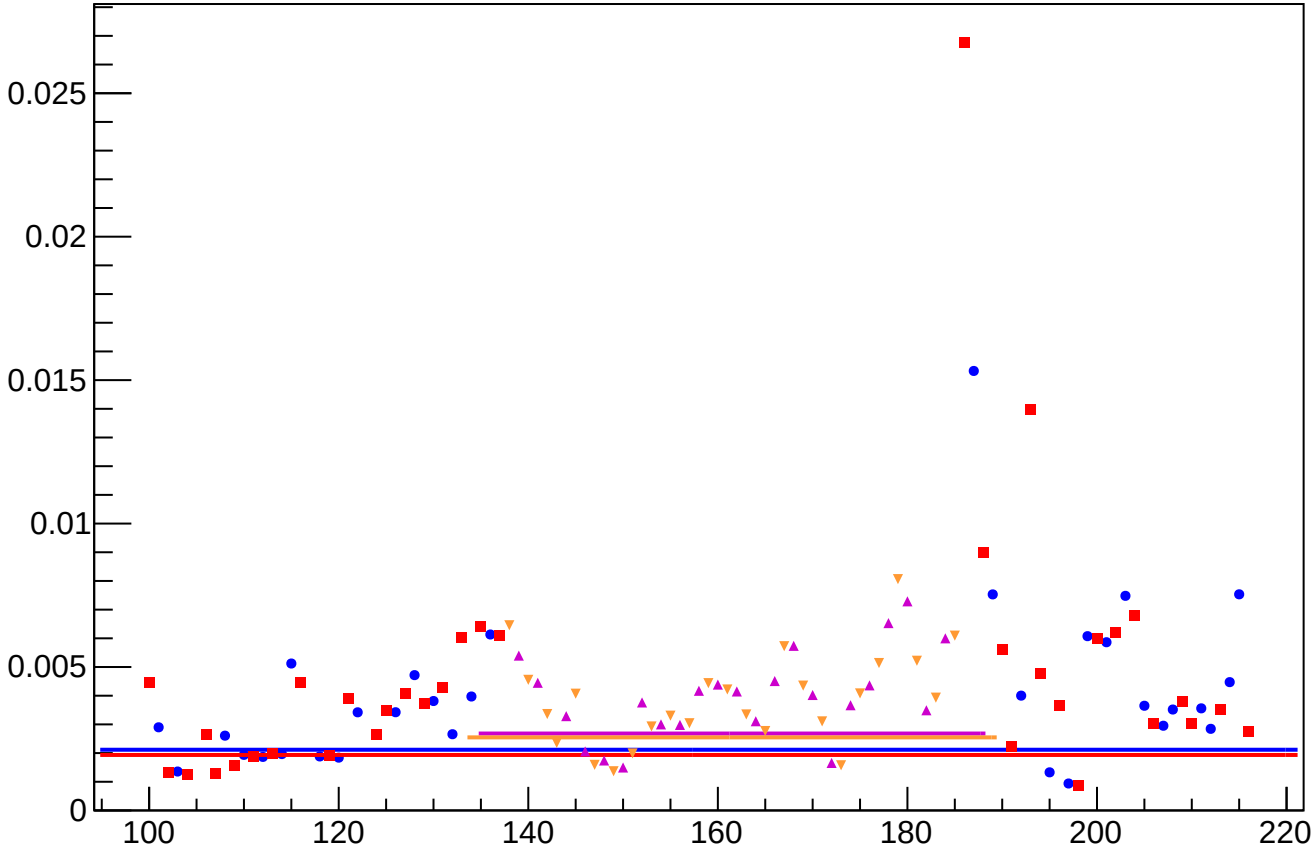
Right: -0.000+/-0.000 χ^2/NDF: 173.3/65

In: 0.000+/-0.000 χ^2/NDF:79.1/53

Out: -0.000+/-0.000 χ^2/NDF:155.5/59

All: -0.000+/-0.000 χ^2/NDF: 241.4/113

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: 13251483.5/34

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

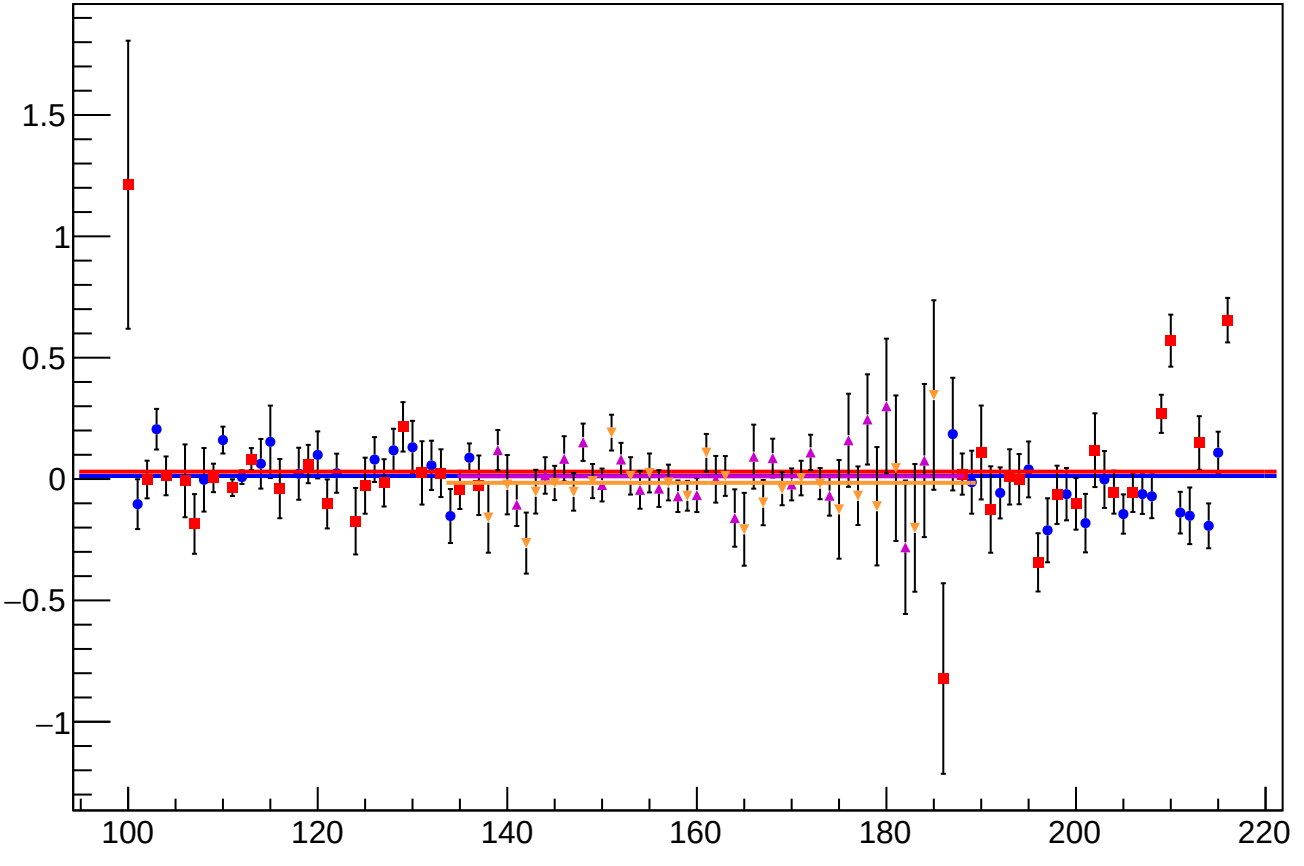
Right: 0.002+/-0.000 χ^2/NDF: 23887036.6/65

In: 0.002+/-0.000 χ^2/NDF:17791041.9/53

Out: 0.002+/-0.000 χ^2/NDF:21784107.1/59

All: 0.002+/-0.000 χ^2/NDF: 39712468.4/113

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.031+/-0.015 χ^2/NDF: 123.9/34

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

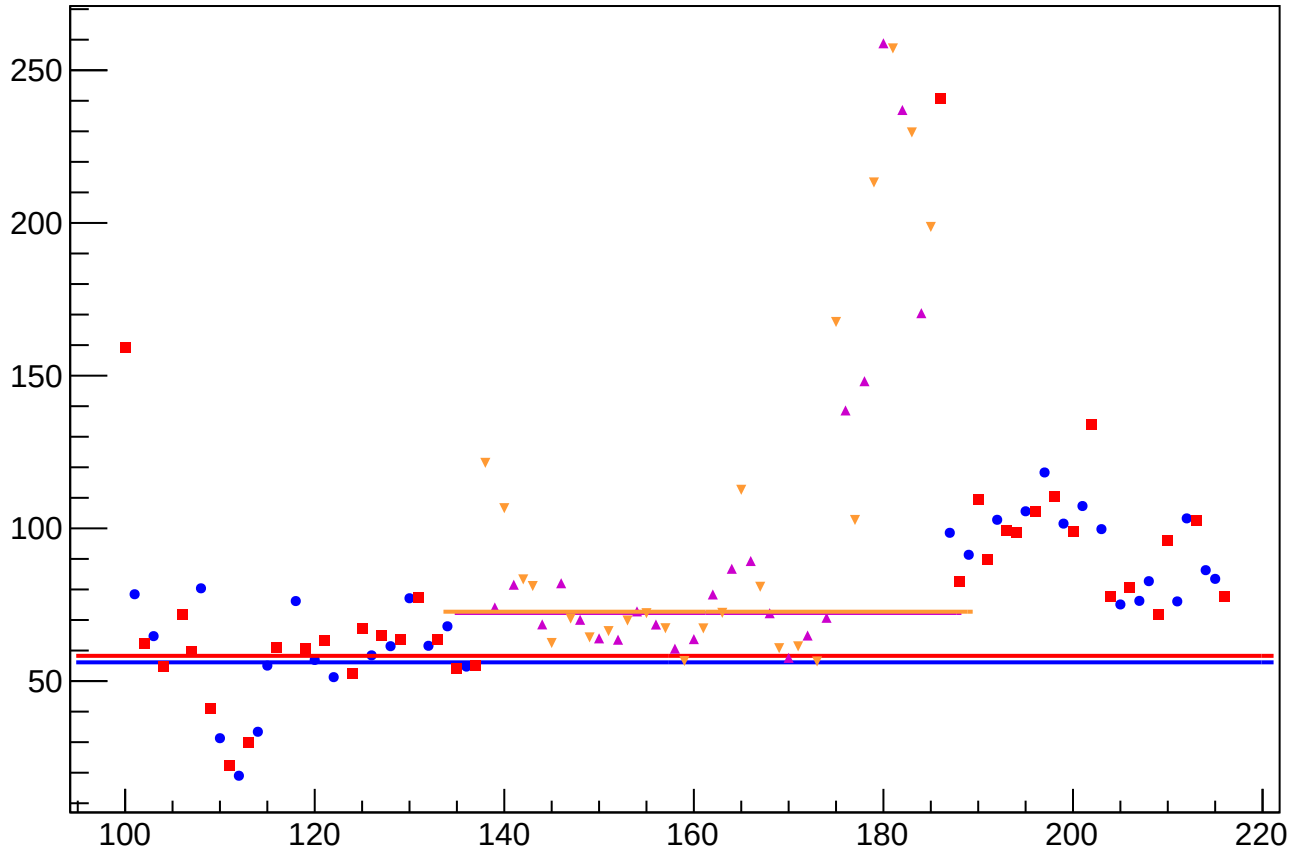
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.021+/-0.011 χ^2/NDF: 171.3/65

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.012+/-0.011 χ^2/NDF:149.5/59

All: 0.012+/-0.008 χ^2/NDF: 219.4/113



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: 58.264+/-0.011 χ^2/NDF: 7158498.4/34

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

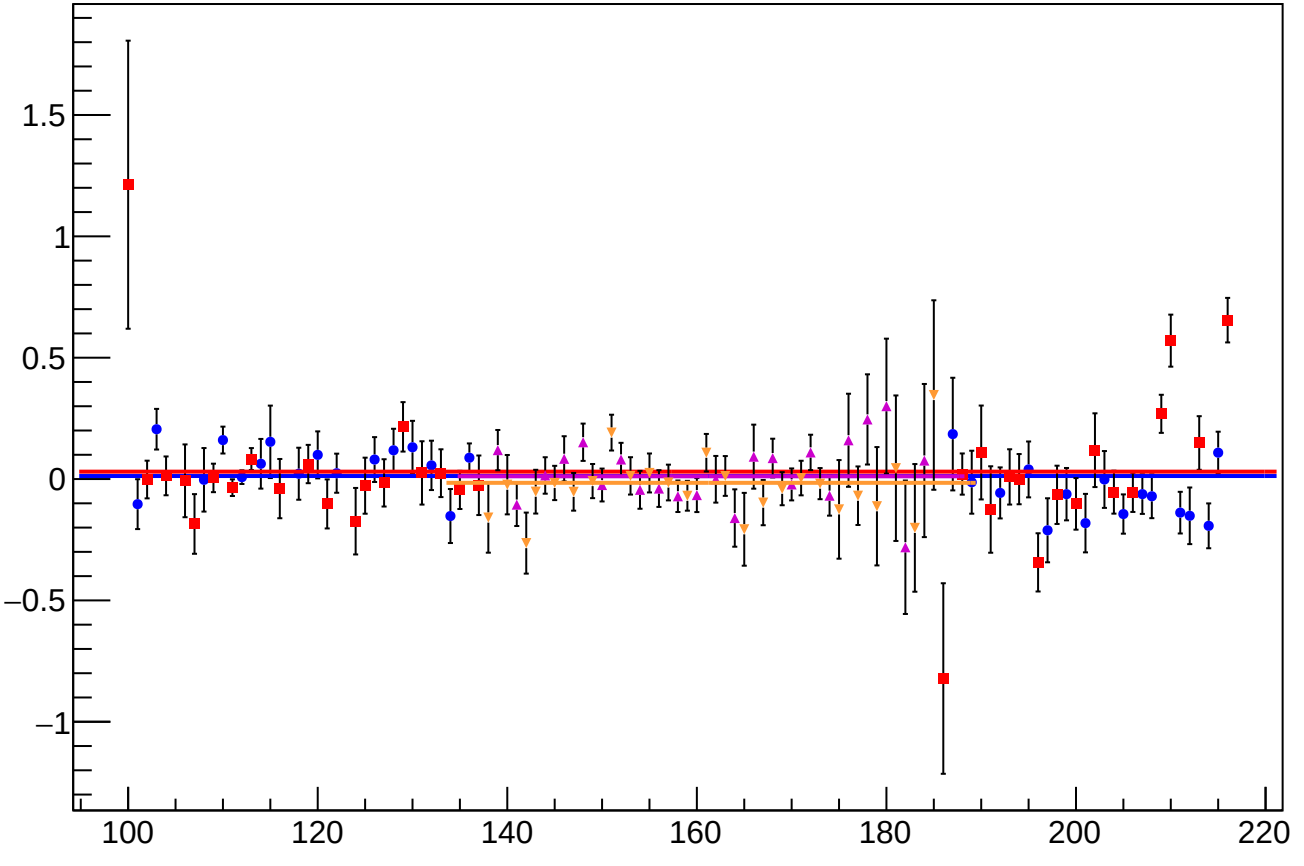
Right: 57.190+/-0.007 χ^2/NDF: 15199161.6/65

In: 62.534+/-0.008 χ^2/NDF:11757394.2/53

Out: 64.167+/-0.008 χ^2/NDF:11885471.3/59

All: 63.351+/-0.006 χ^2/NDF: 23663111.3/113

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.031+/-0.015 χ^2/NDF: 123.9/34

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

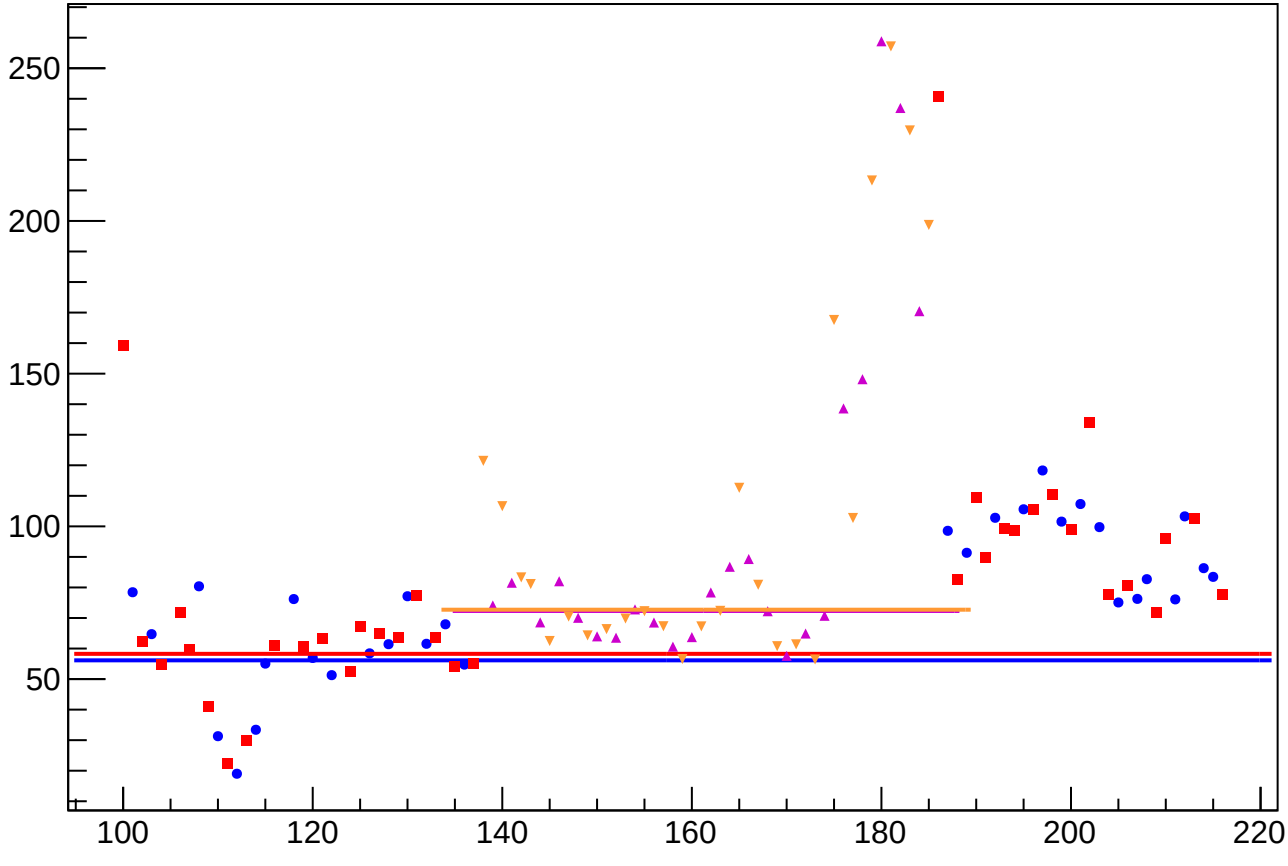
Right: 0.021+/-0.011 χ^2/NDF: 171.3/65

In: 0.012+/-0.011 χ^2/NDF:70.0/53

Out: 0.012+/-0.011 χ^2/NDF:149.5/59

All: 0.012+/-0.008 χ^2/NDF: 219.4/113

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: 58.264+/-0.011 χ^2/NDF: 7158498.4/34

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

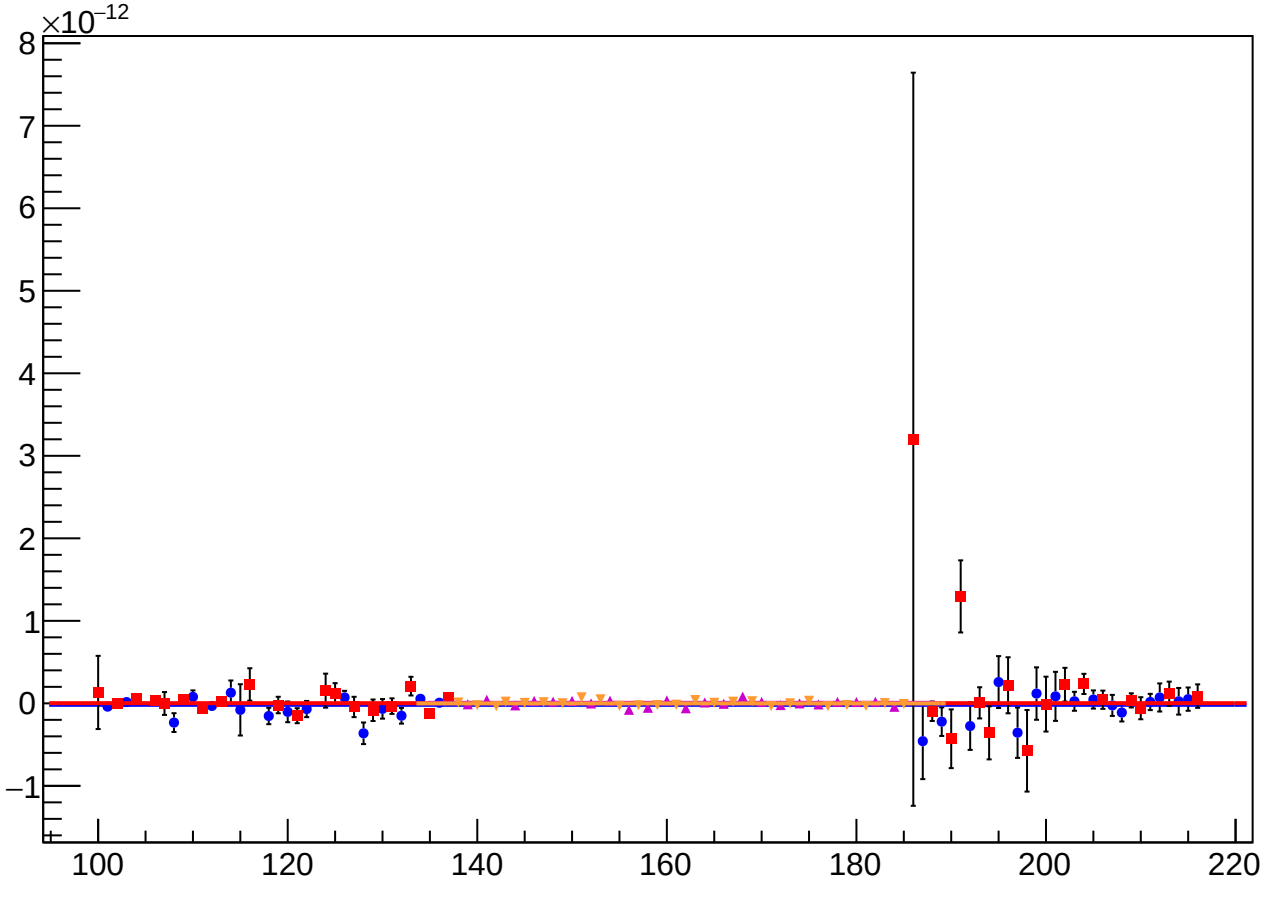
Right: 57.190+/-0.007 χ^2/NDF: 15199161.6/65

In: 62.534+/-0.008 χ^2/NDF:11757394.2/53

Out: 64.167+/-0.008 χ^2/NDF:11885471.3/59

All: 63.351+/-0.006 χ^2/NDF: 23663111.3/113

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: 44.3/34

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

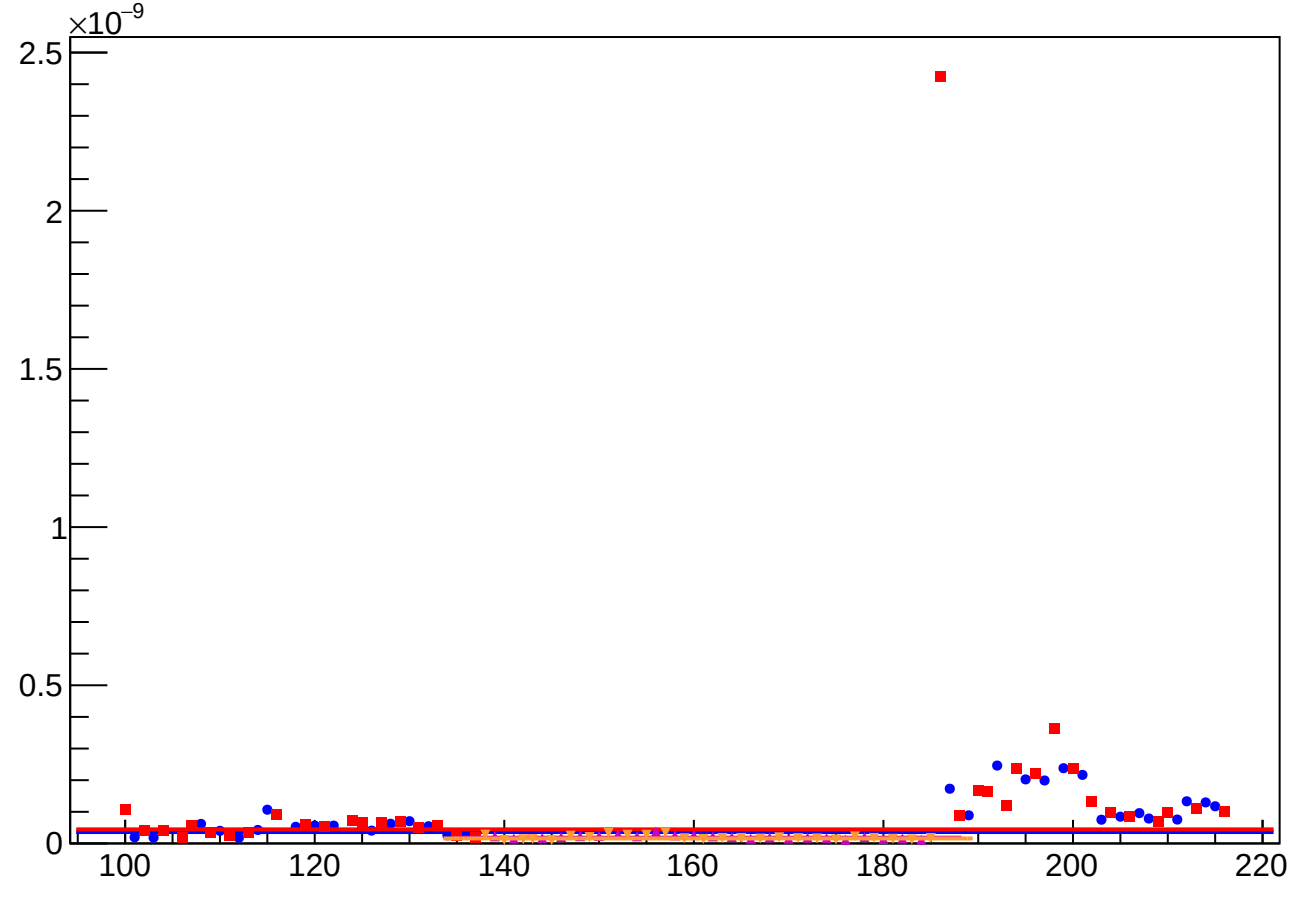
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 75.6/65

In: 0.000+/-0.000 χ^2/NDF:71.4/53

Out: -0.000+/-0.000 χ^2/NDF:72.2/59

All: 0.000+/-0.000 χ^2/NDF: 143.9/113



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: 8911593.4/34

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

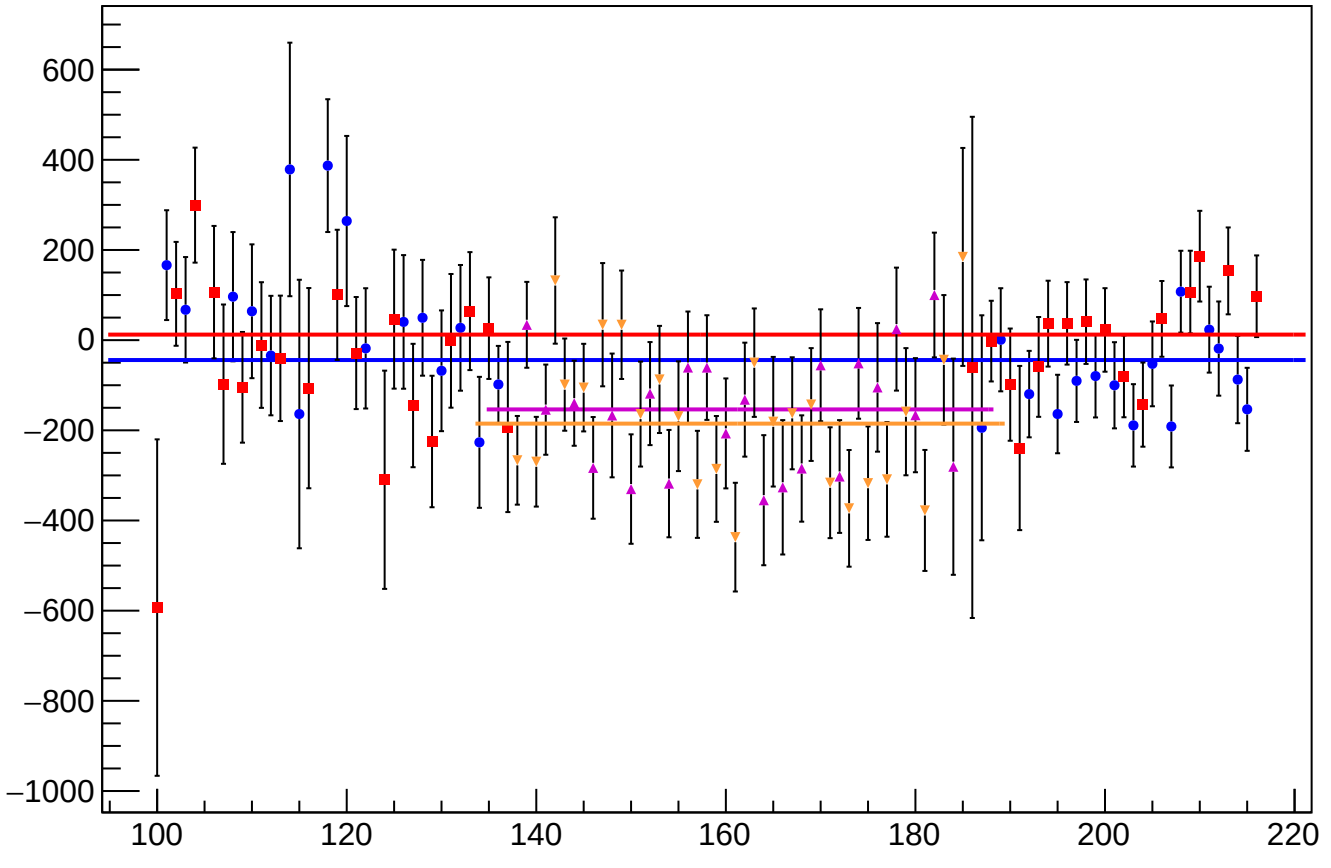
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 19521272.2/65

In: 0.000+/-0.000 χ^2/NDF:14976190.2/53

Out: 0.000+/-0.000 χ^2/NDF:17571237.7/59

All: 0.000+/-0.000 χ^2/NDF: 32793301.7/113



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: 12.301+/-20.058 χ^2/NDF: 32.6/34

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

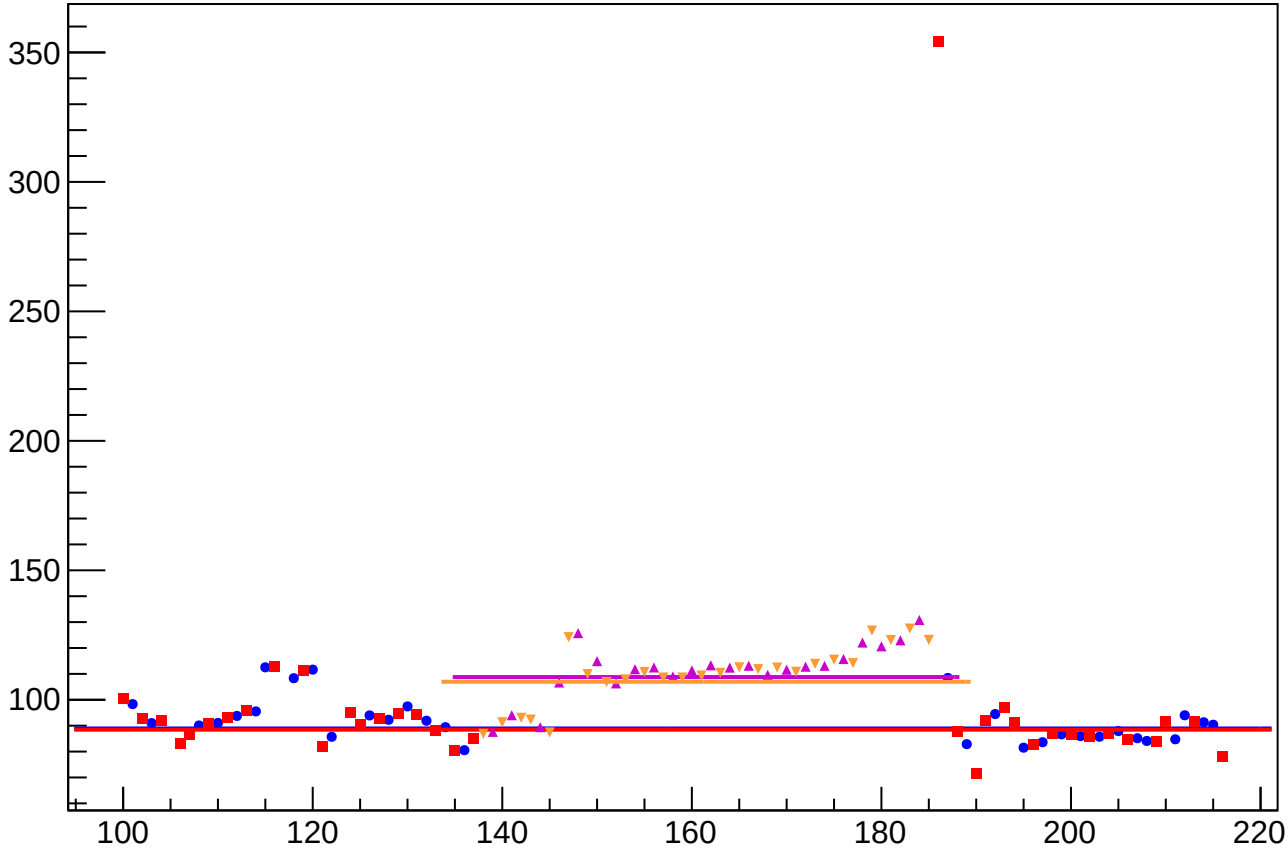
Right: -15.575+/-14.266 χ^2/NDF: 72.6/65

In: -86.504+/-15.889 χ^2/NDF:70.9/53

Out: -67.117+/-15.508 χ^2/NDF:104.6/59

All: -76.575+/-11.098 χ^2/NDF: 176.3/113

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: 88.457+/-0.014 χ^2/NDF: 680917.7/34

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

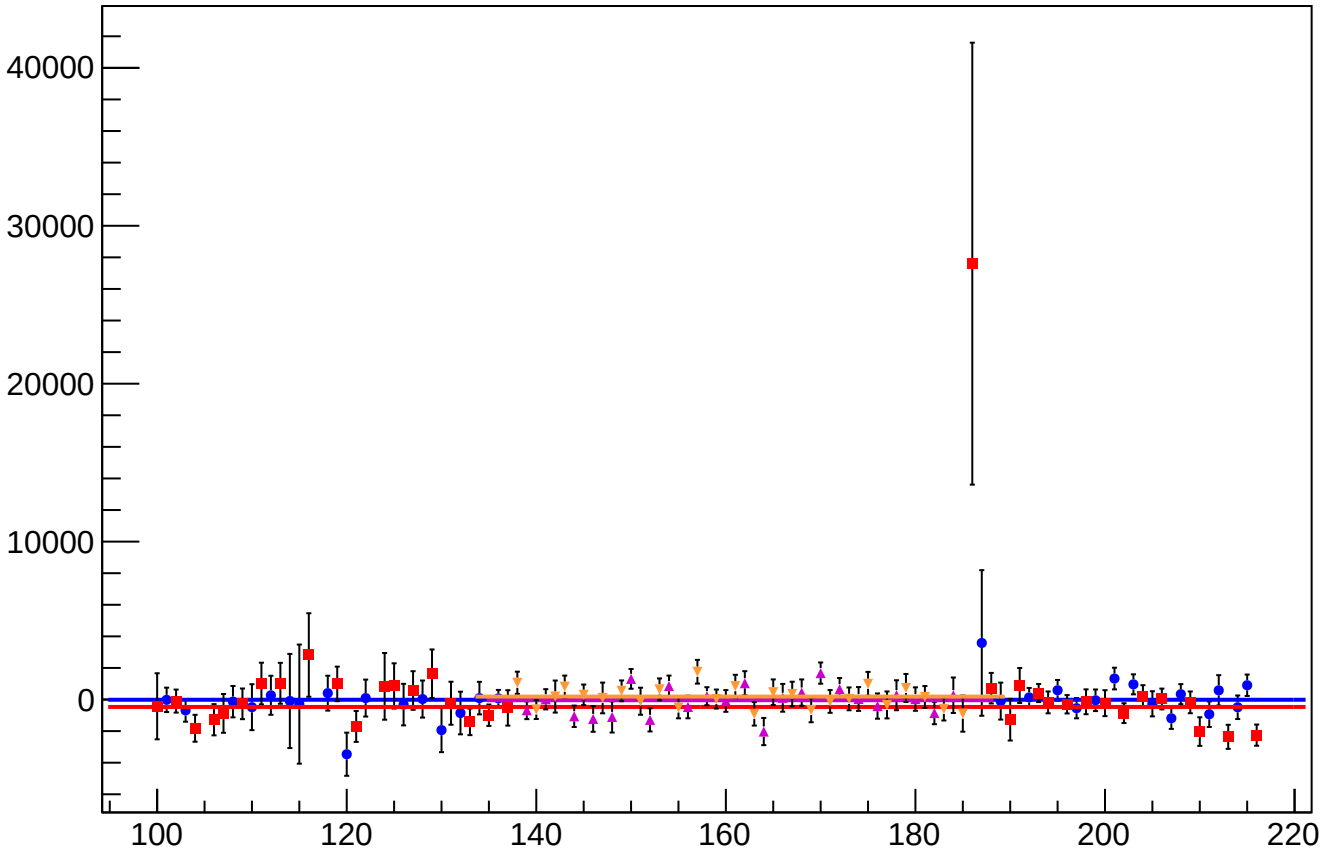
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.684+/-0.010 χ^2/NDF: 878881.8/65

In: 96.606+/-0.011 χ^2/NDF:1297443.2/53

Out: 95.897+/-0.011 χ^2/NDF:1829336.1/59

All: 96.243+/-0.008 χ^2/NDF: 3128821.6/113



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: -469.671+/-150.743 χ^2/NDF: 45.5/34

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

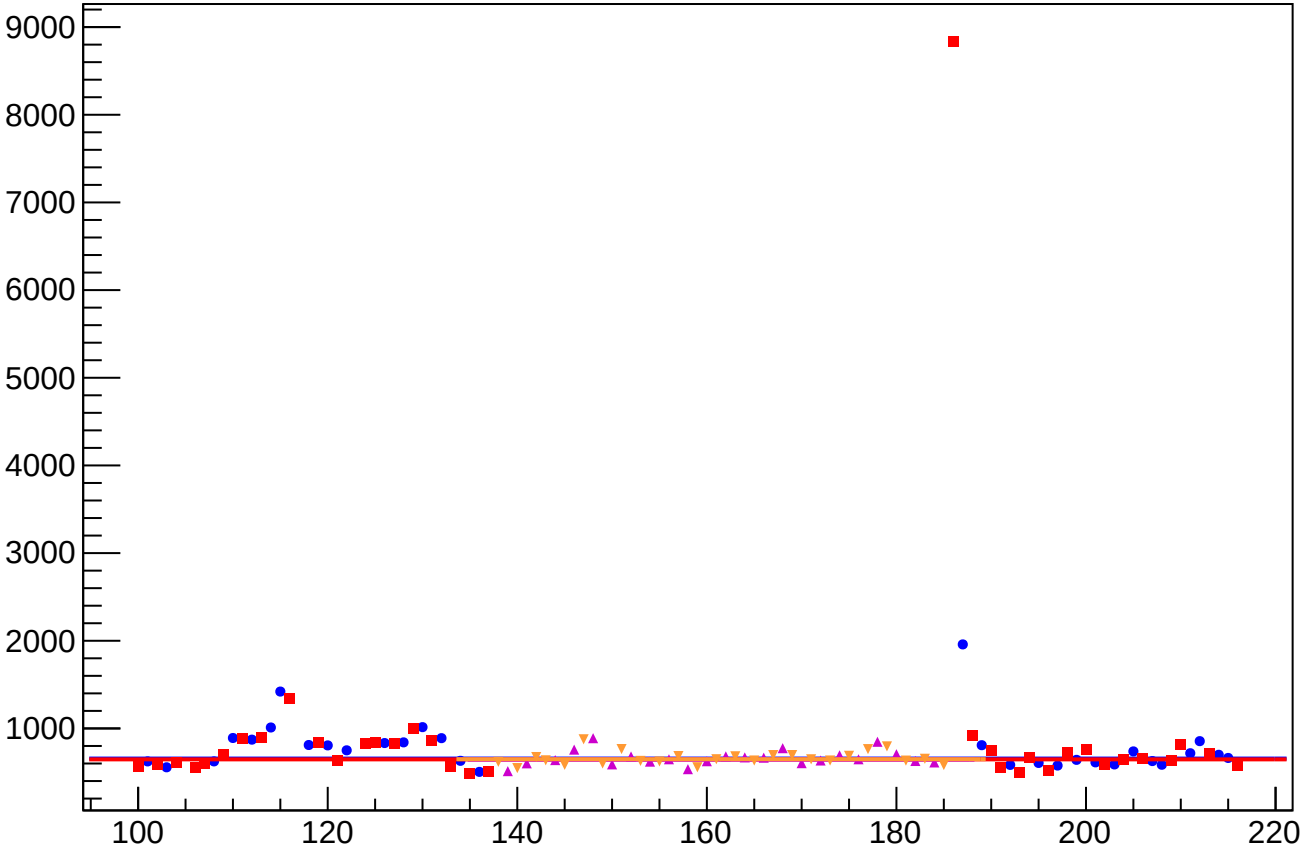
Right: -245.454+/-107.360 χ^2/NDF: 75.7/65

In: -29.032+/-107.833 χ^2/NDF:59.5/53

Out: -137.395+/-105.905 χ^2/NDF:74.1/59

All: -84.191+/-75.558 χ^2/NDF: 134.1/113

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: 647.166+/-0.107 χ^2/NDF: 2080421.2/34

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

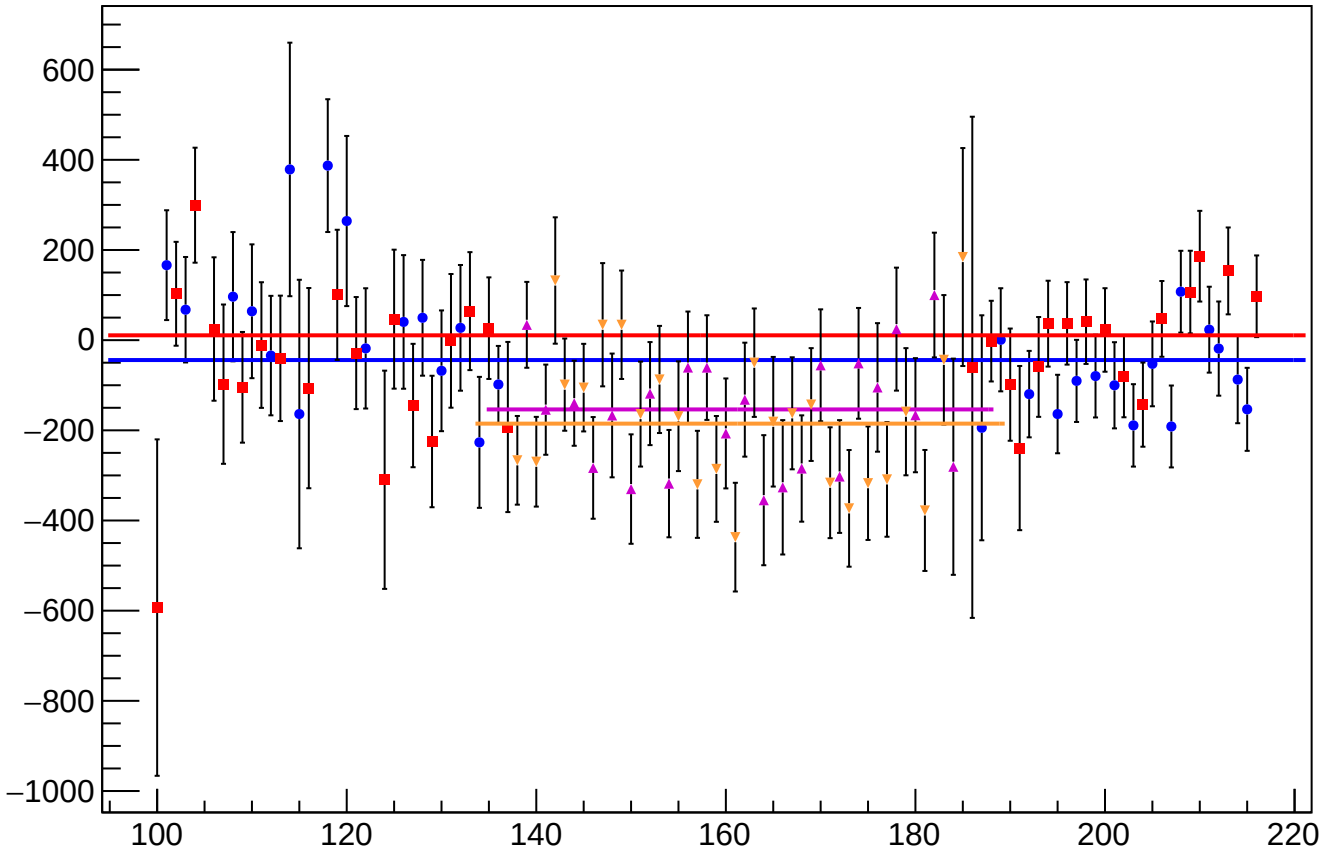
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 651.687+/-0.076 χ^2/NDF: 3316703.2/65

In: 650.171+/-0.076 χ^2/NDF:1798223.1/53

Out: 648.190+/-0.075 χ^2/NDF:2498968.3/59

All: 649.163+/-0.053 χ^2/NDF: 4297534.7/113



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: 10.733+/-20.086 χ^2/NDF: 32.2/34

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

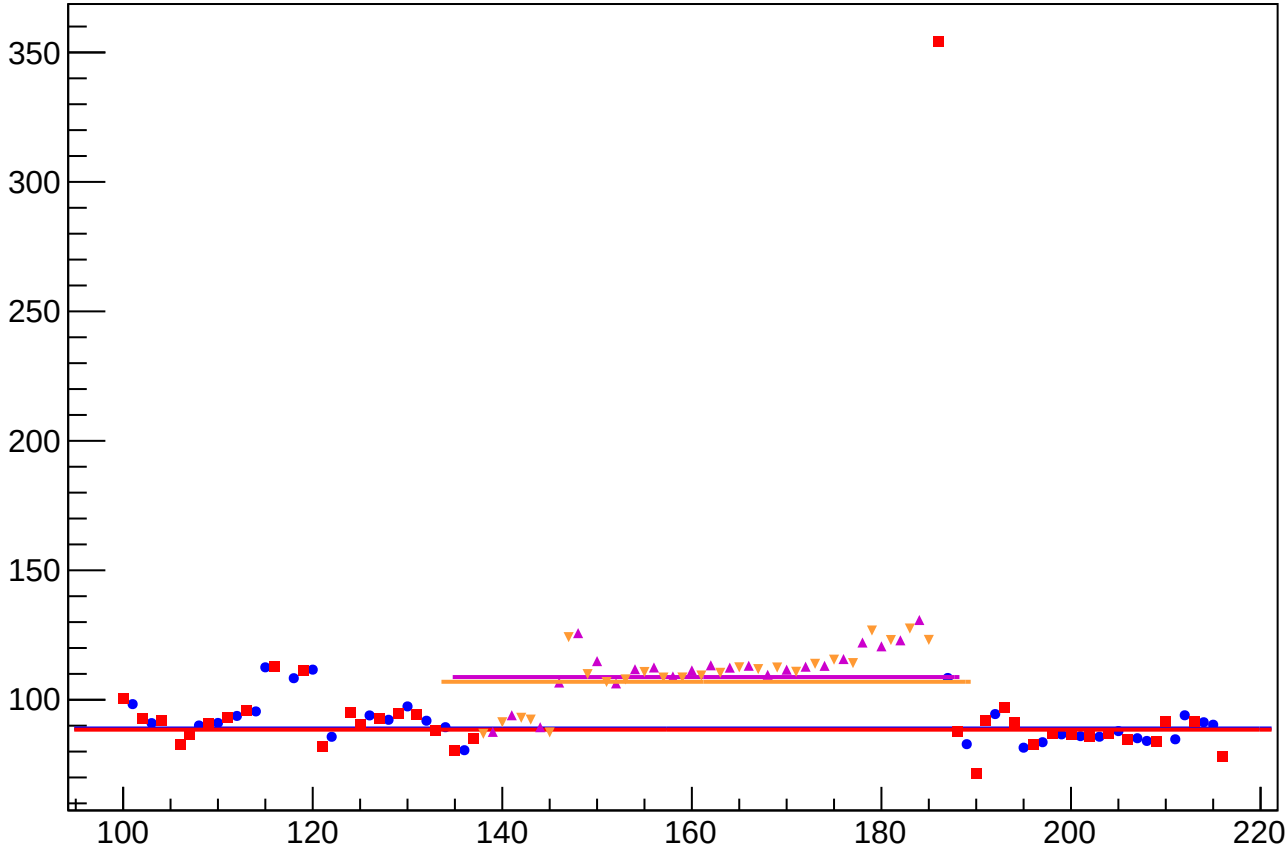
Right: -16.405+/-14.276 χ^2/NDF: 72.0/65

In: -86.505+/-15.889 χ^2/NDF:70.9/53

Out: -68.185+/-15.521 χ^2/NDF:103.5/59

All: -77.130+/-11.103 χ^2/NDF: 175.1/113

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: 88.462+/-0.014 χ^2/NDF: 681017.9/34

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

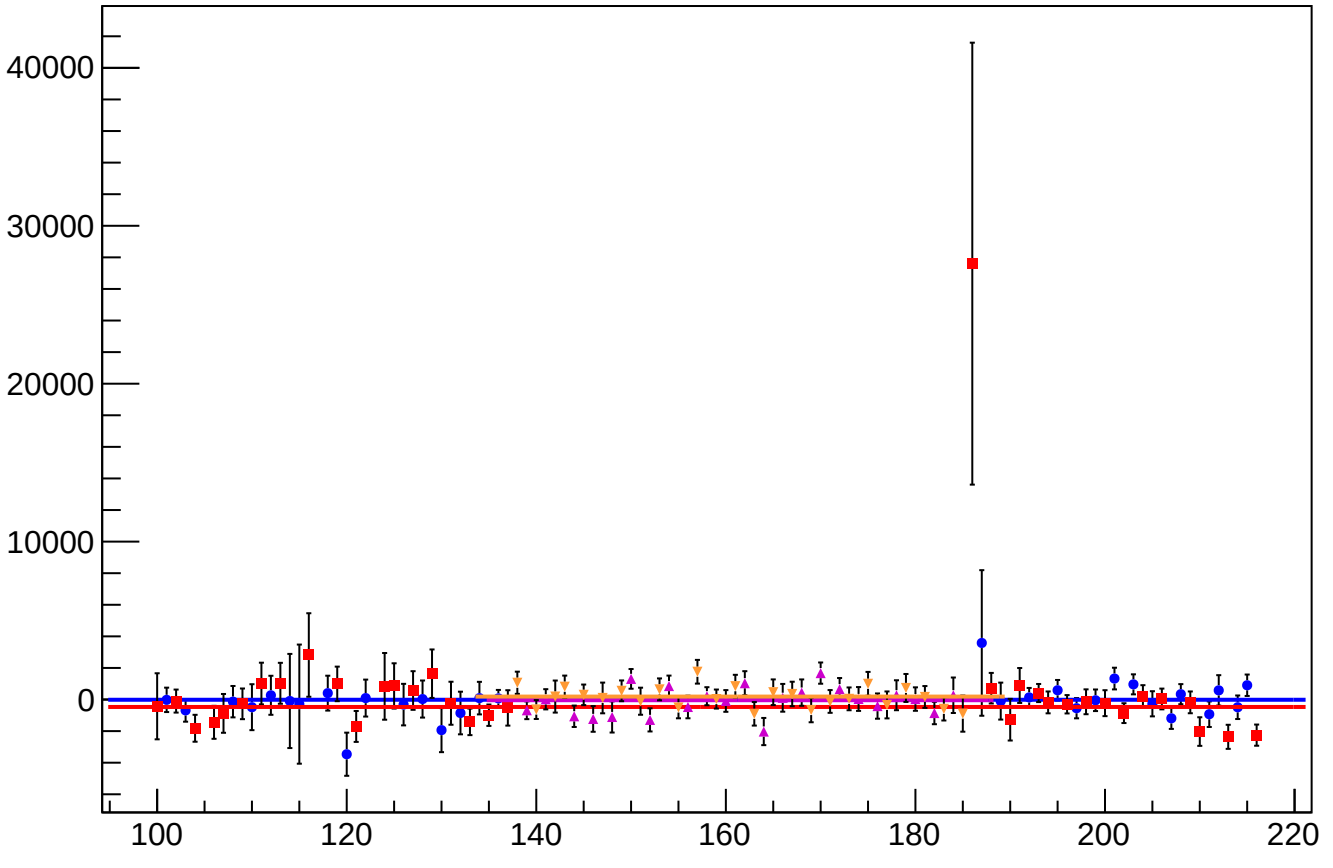
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.688+/-0.010 χ^2/NDF: 878968.0/65

In: 96.606+/-0.011 χ^2/NDF:1297443.2/53

Out: 95.912+/-0.011 χ^2/NDF:1828241.0/59

All: 96.251+/-0.008 χ^2/NDF: 3127635.0/113



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: -471.080+/-150.926 χ^2/NDF: 45.7/34

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

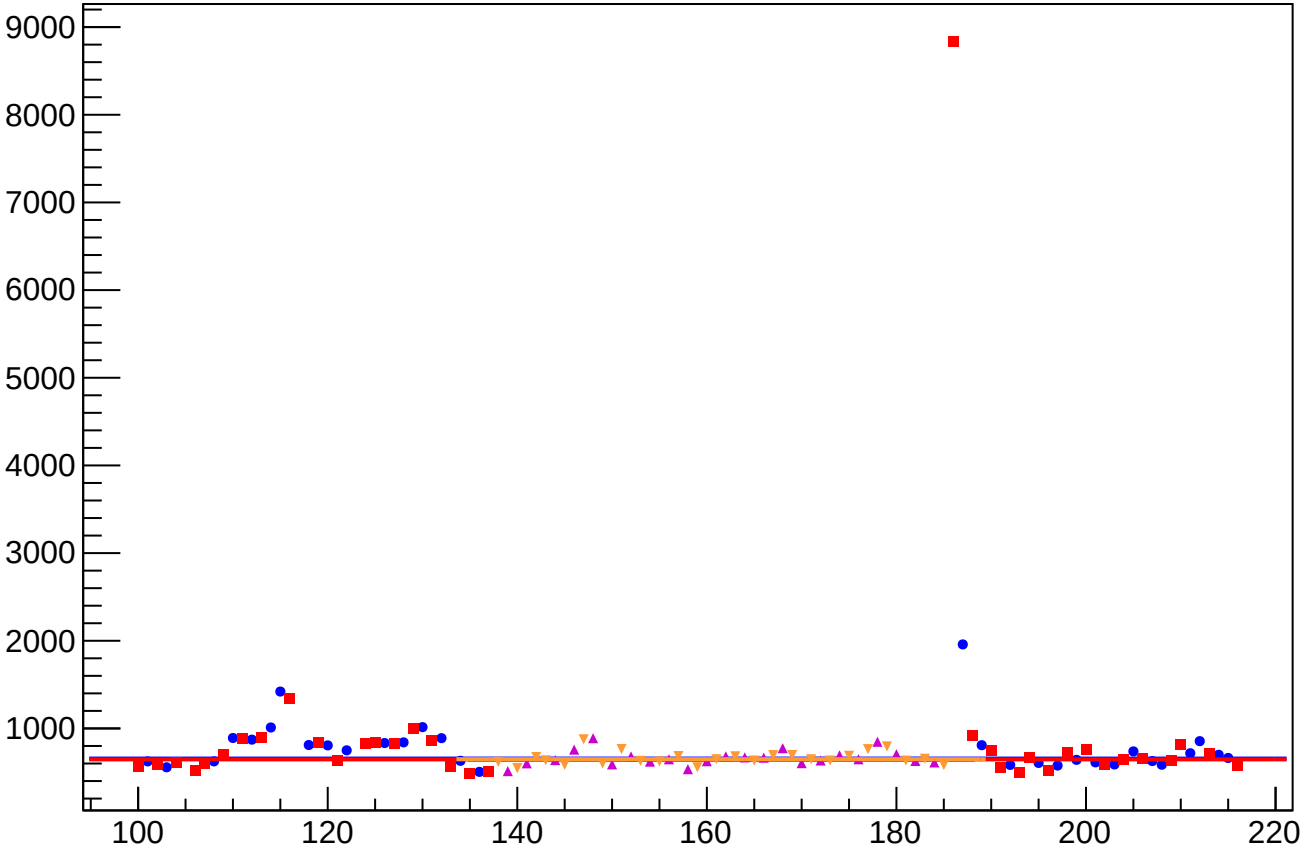
Right: -245.893+/-107.426 χ^2/NDF: 75.9/65

In: -29.034+/-107.833 χ^2/NDF:59.5/53

Out: -137.694+/-105.968 χ^2/NDF:74.4/59

All: -84.312+/-75.581 χ^2/NDF: 134.3/113

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: 646.818+/-0.107 χ^2/NDF: 2089752.8/34

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

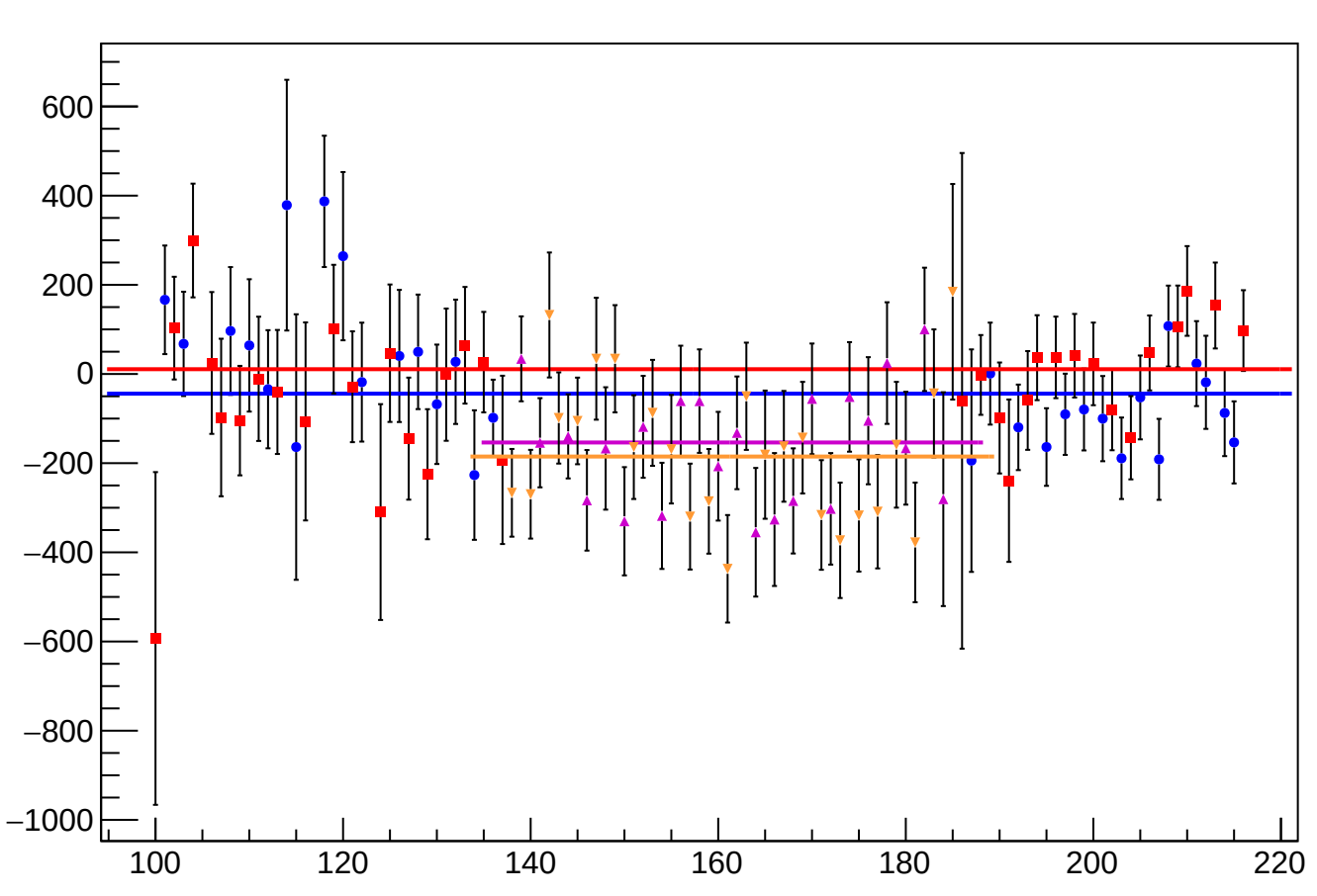
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 651.516+/-0.076 χ^2/NDF: 3326312.3/65

In: 650.171+/-0.076 χ^2/NDF:1798224.1/53

Out: 648.020+/-0.075 χ^2/NDF:2508368.5/59

All: 649.077+/-0.053 χ^2/NDF: 4306997.2/113



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: 10.733+/-20.086 χ^2/NDF: 32.2/34

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

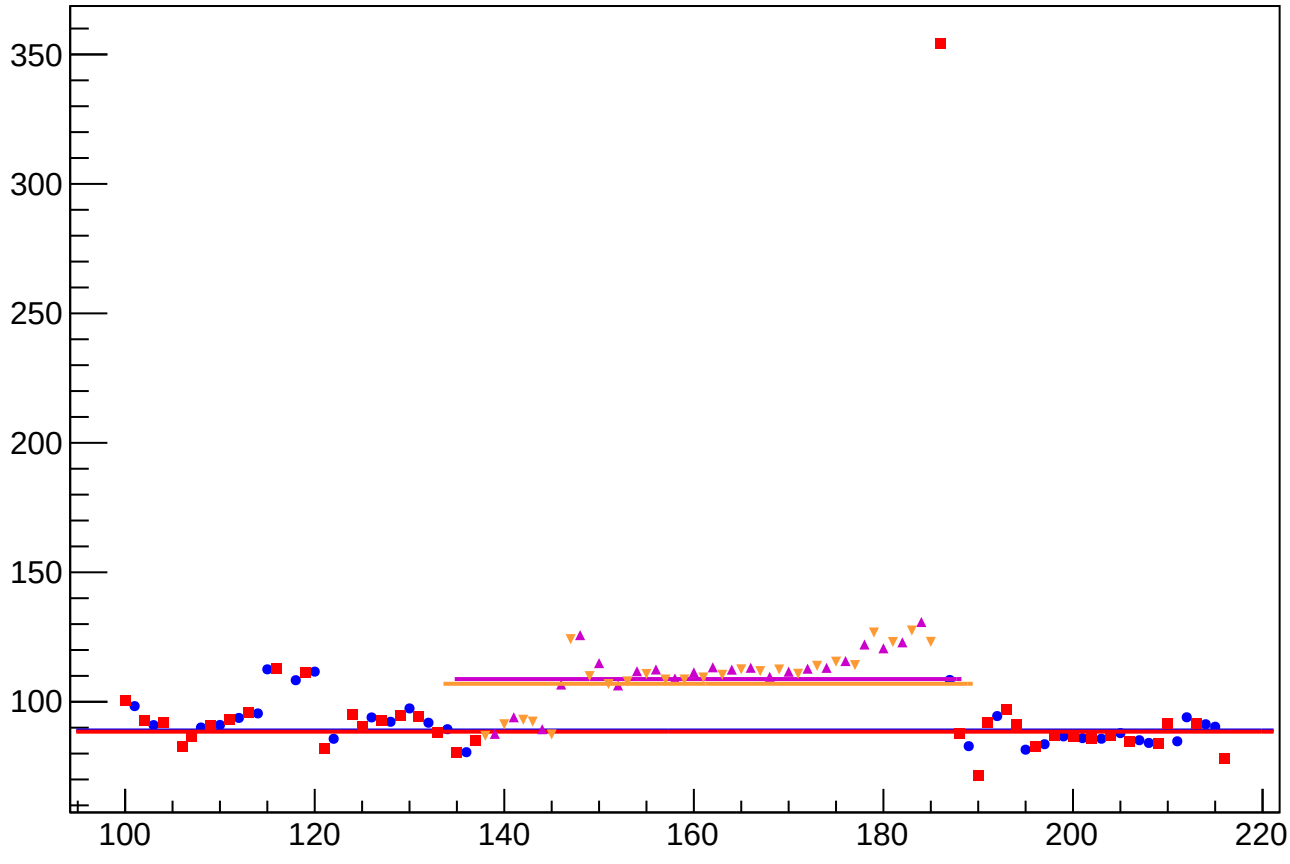
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -16.405+/-14.276 χ^2/NDF: 72.0/65

In: -86.505+/-15.889 χ^2/NDF:70.9/53

Out: -68.185+/-15.521 χ^2/NDF:103.5/59

All: -77.130+/-11.103 χ^2/NDF: 175.1/113



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: 88.462+/-0.014 χ^2/NDF: 681017.9/34

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

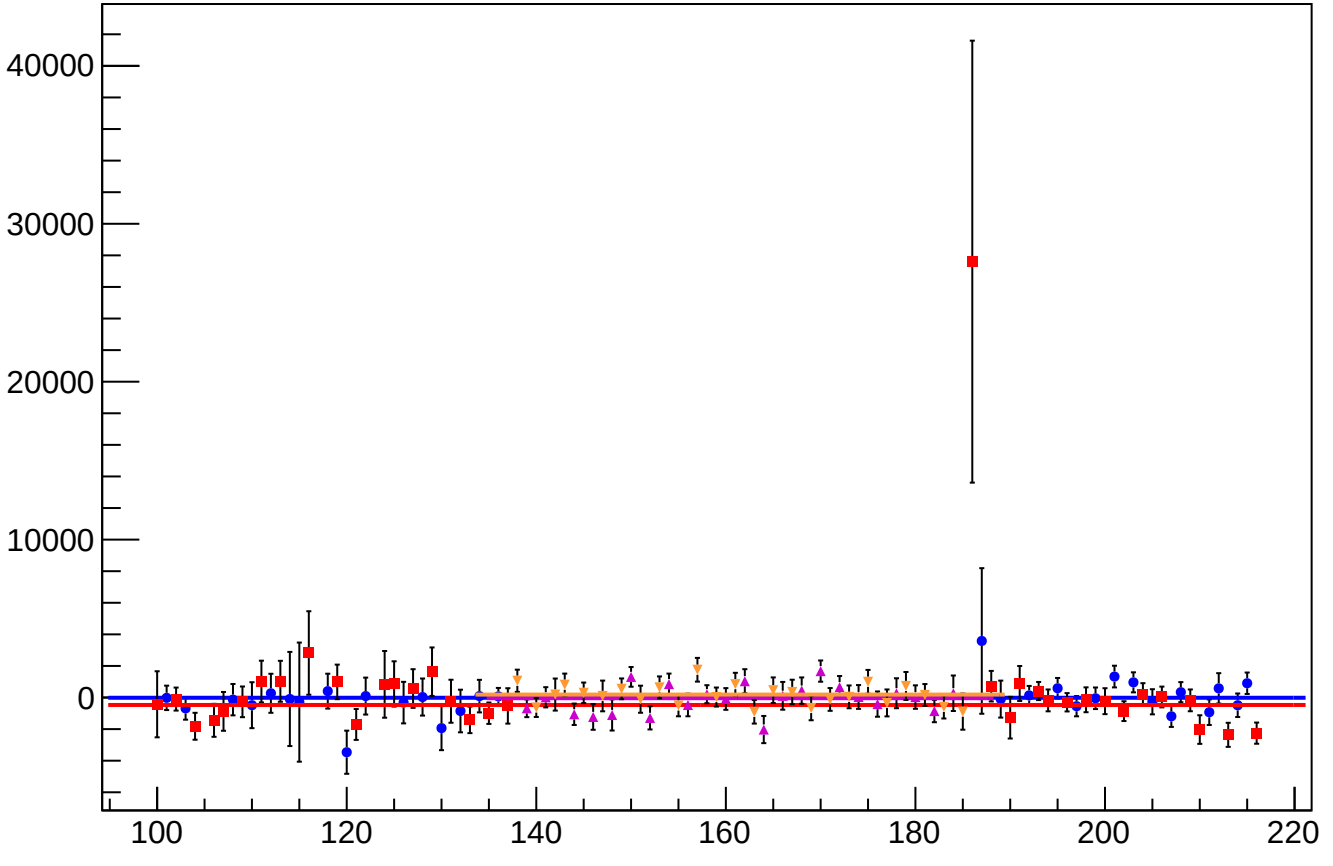
Right: 88.688+/-0.010 χ^2/NDF: 878968.0/65

In: 96.606+/-0.011 χ^2/NDF:1297443.2/53

Out: 95.912+/-0.011 χ^2/NDF:1828241.0/59

All: 96.251+/-0.008 χ^2/NDF: 3127635.0/113

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: -471.080+/-150.926 χ^2/NDF: 45.7/34

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

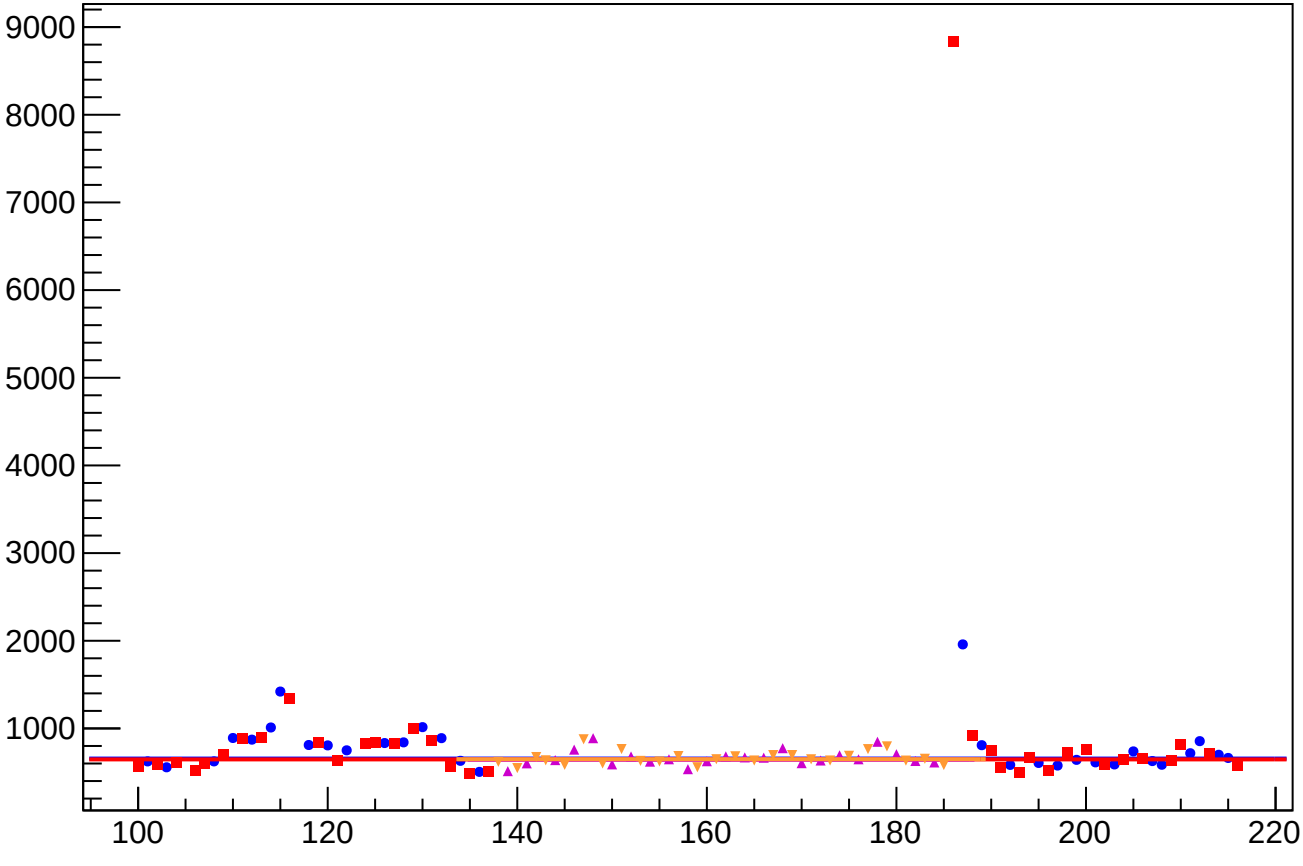
Right: -245.893+/-107.426 χ^2/NDF: 75.9/65

In: -29.034+/-107.833 χ^2/NDF:59.5/53

Out: -137.694+/-105.968 χ^2/NDF:74.4/59

All: -84.312+/-75.581 χ^2/NDF: 134.3/113

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: 646.818+/-0.107 χ^2/NDF: 2089752.8/34

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

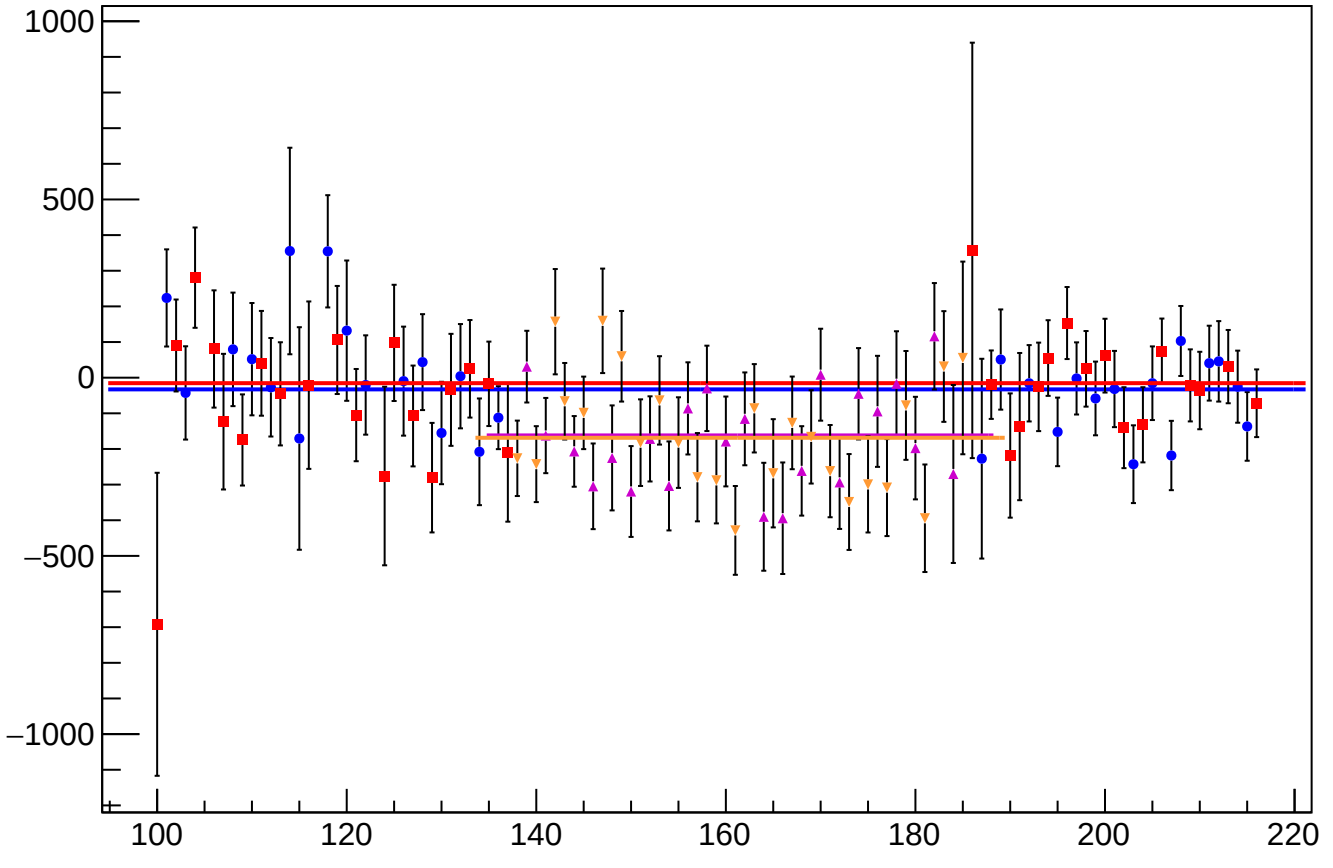
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 651.516+/-0.076 χ^2/NDF: 3326312.3/65

In: 650.171+/-0.076 χ^2/NDF:1798224.1/53

Out: 648.020+/-0.075 χ^2/NDF:2508368.5/59

All: 649.077+/-0.053 χ^2/NDF: 4306997.2/113



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: -15.394+/-21.969 χ^2/NDF: 27.3/34

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

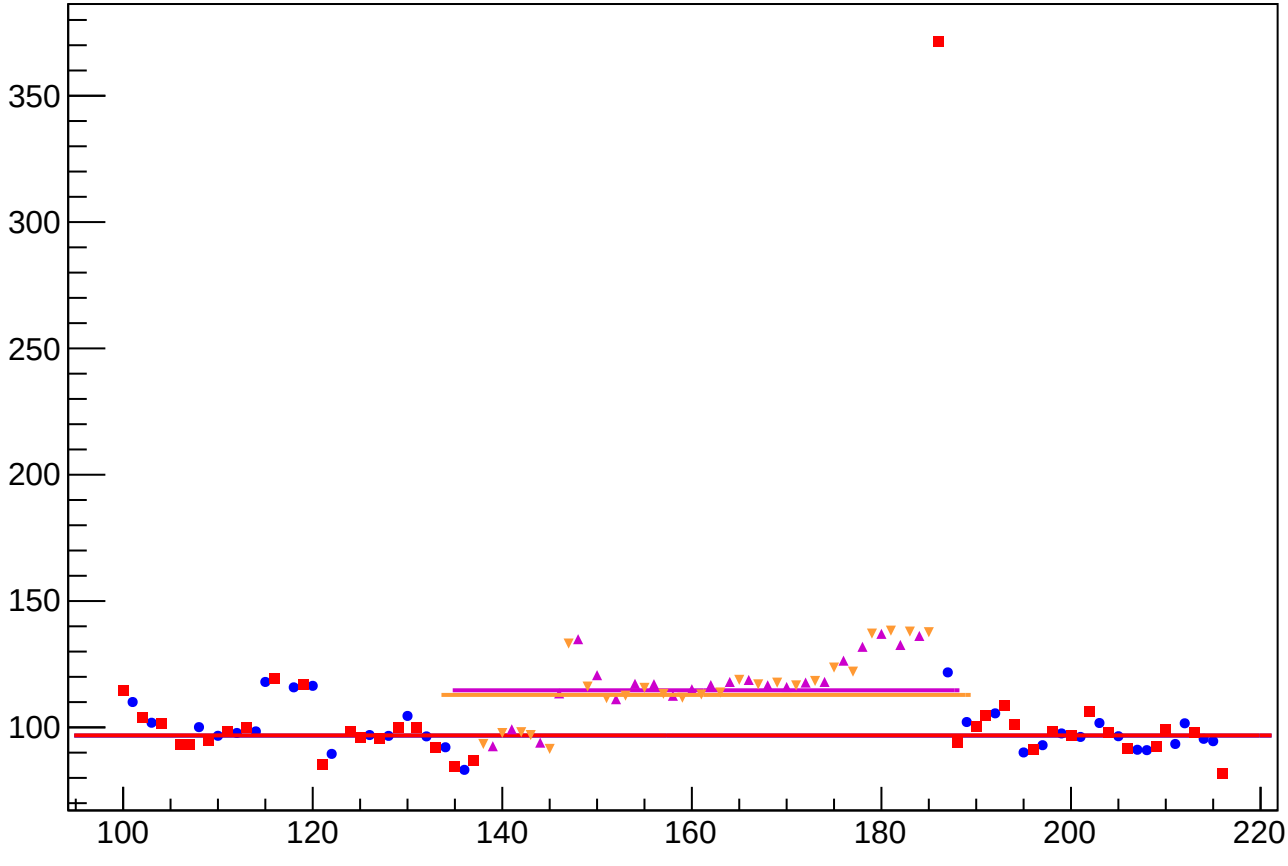
Right: -24.068+/-15.577 χ^2/NDF: 58.0/65

In: -84.760+/-17.084 χ^2/NDF:67.7/53

Out: -79.748+/-16.732 χ^2/NDF:80.1/59

All: -82.202+/-11.954 χ^2/NDF: 147.8/113

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: 96.824+/-0.016 χ^2/NDF: 669003.8/34

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

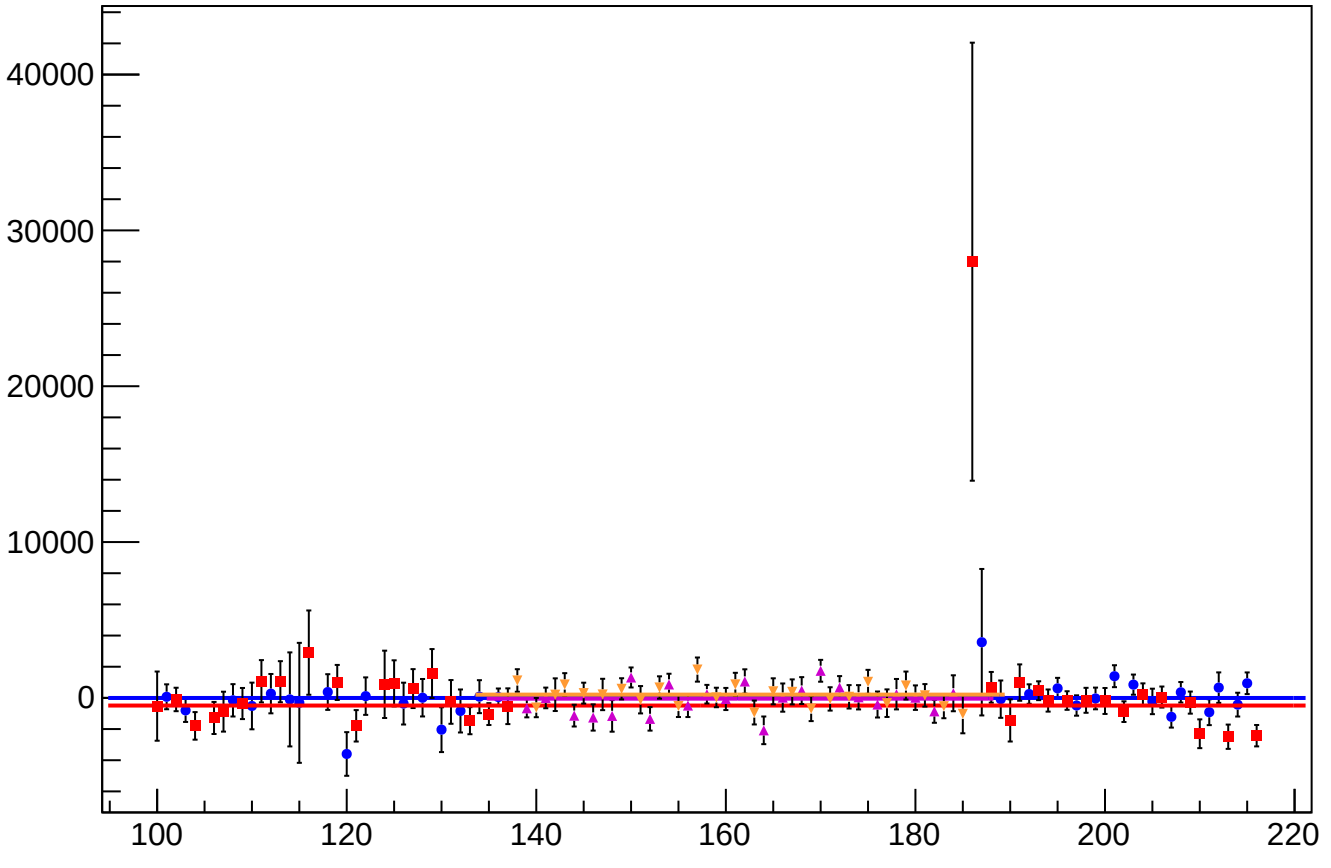
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 96.780+/-0.011 χ^2/NDF: 881027.3/65

In: 103.946+/-0.012 χ^2/NDF:1152197.0/53

Out: 103.554+/-0.012 χ^2/NDF:1628188.9/59

All: 103.746+/-0.008 χ^2/NDF: 2780924.4/113



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: -491.207+/-155.325 χ^2/NDF: 47.9/34

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

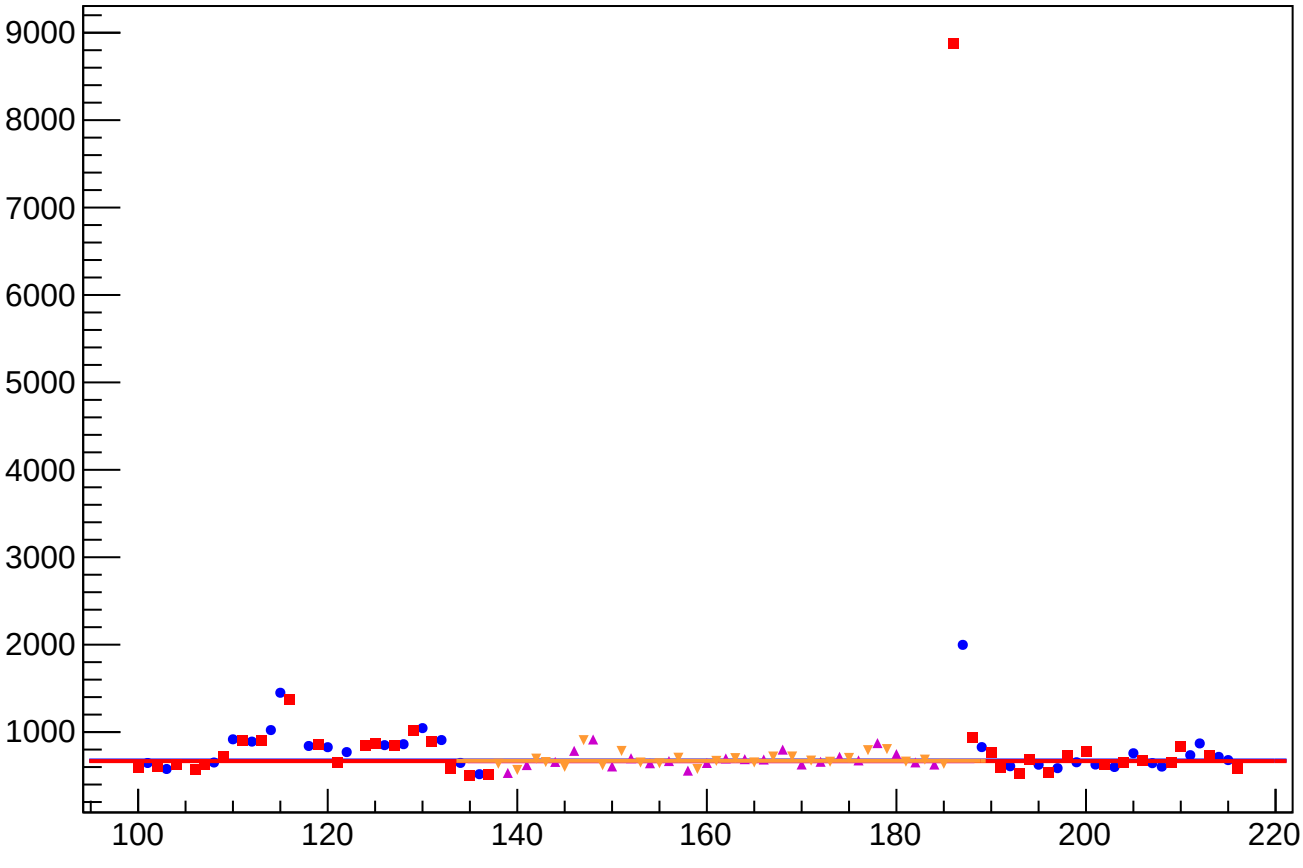
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -251.007+/-110.475 χ^2/NDF: 78.3/65

In: -27.635+/-111.244 χ^2/NDF:59.0/53

Out: -137.745+/-109.333 χ^2/NDF:77.0/59

All: -83.643+/-77.977 χ^2/NDF: 136.5/113



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: 667.854+/-0.110 χ^2/NDF: 1997182.2/34

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

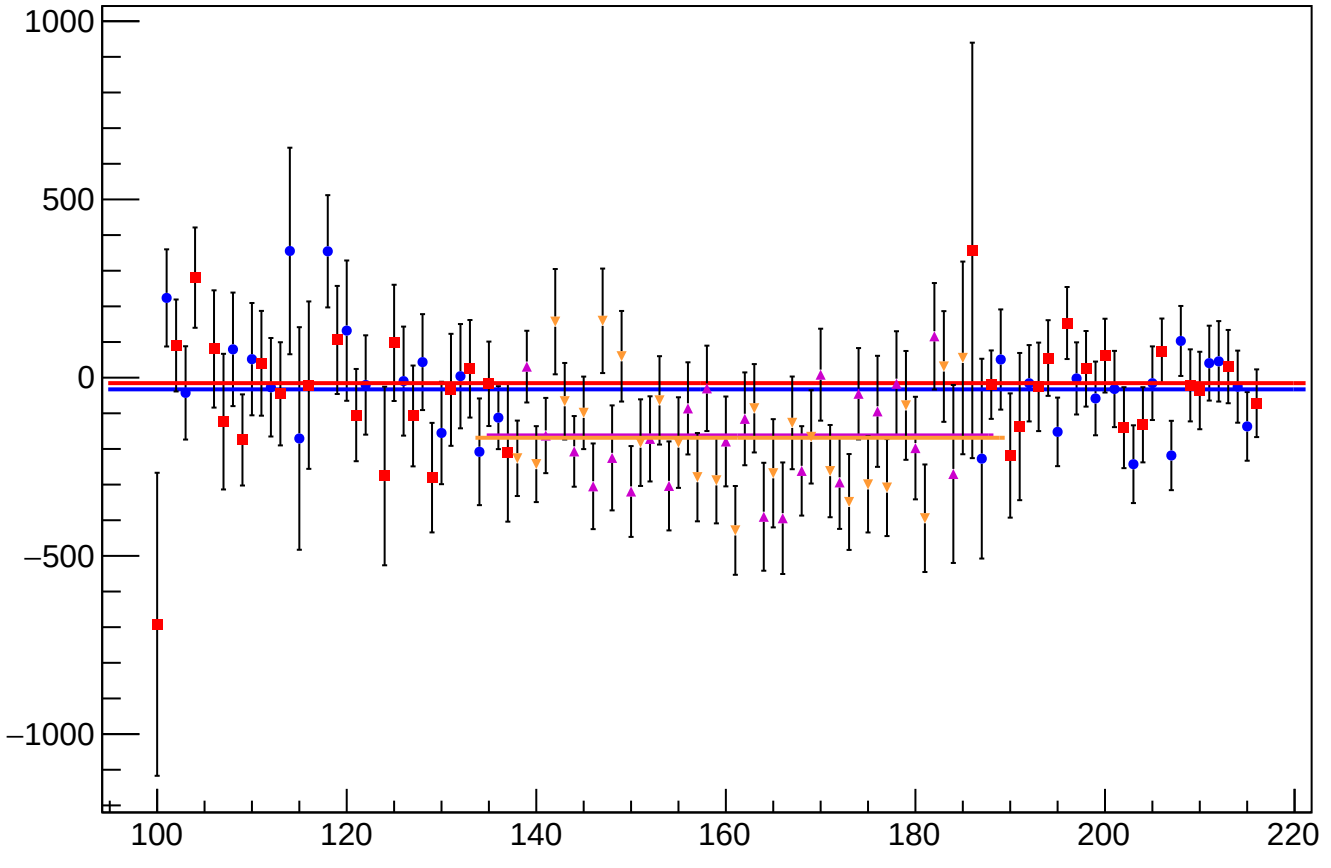
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 671.334+/-0.078 χ^2/NDF: 3210157.3/65

In: 671.126+/-0.079 χ^2/NDF:1760153.4/53

Out: 669.869+/-0.077 χ^2/NDF:2397009.5/59

All: 670.487+/-0.055 χ^2/NDF: 4157292.8/113



Right In: -32.838+/-22.090 χ^2/NDF: 30.4/30

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -15.394+/-21.969 χ^2/NDF: 27.3/34

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

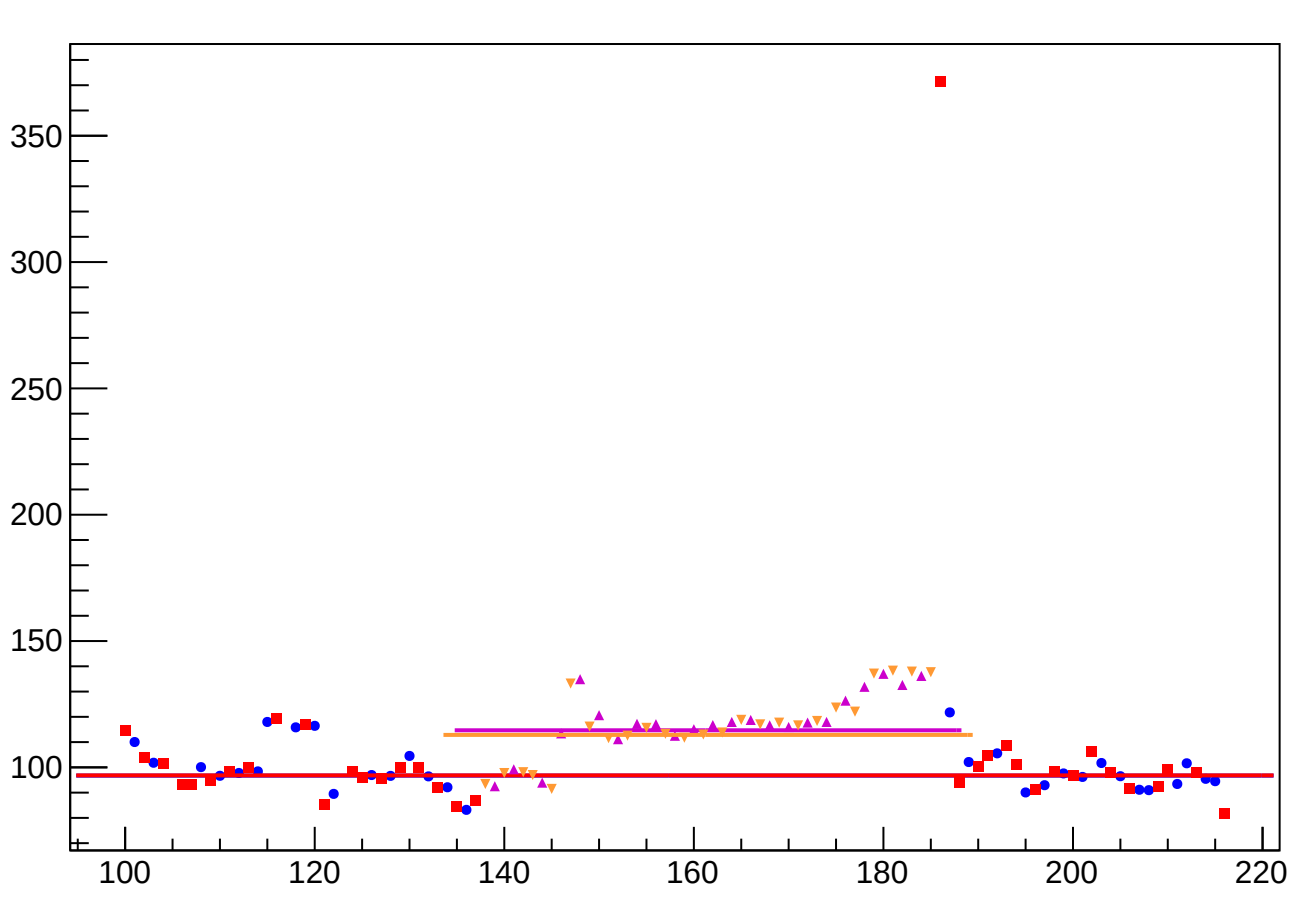
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -24.068+/-15.577 χ^2/NDF: 58.0/65

In: -84.760+/-17.084 χ^2/NDF:67.7/53

Out: -79.747+/-16.732 χ^2/NDF:80.1/59

All: -82.201+/-11.954 χ^2/NDF: 147.8/113



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: 96.824+/-0.016 χ^2/NDF: 669008.6/34

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

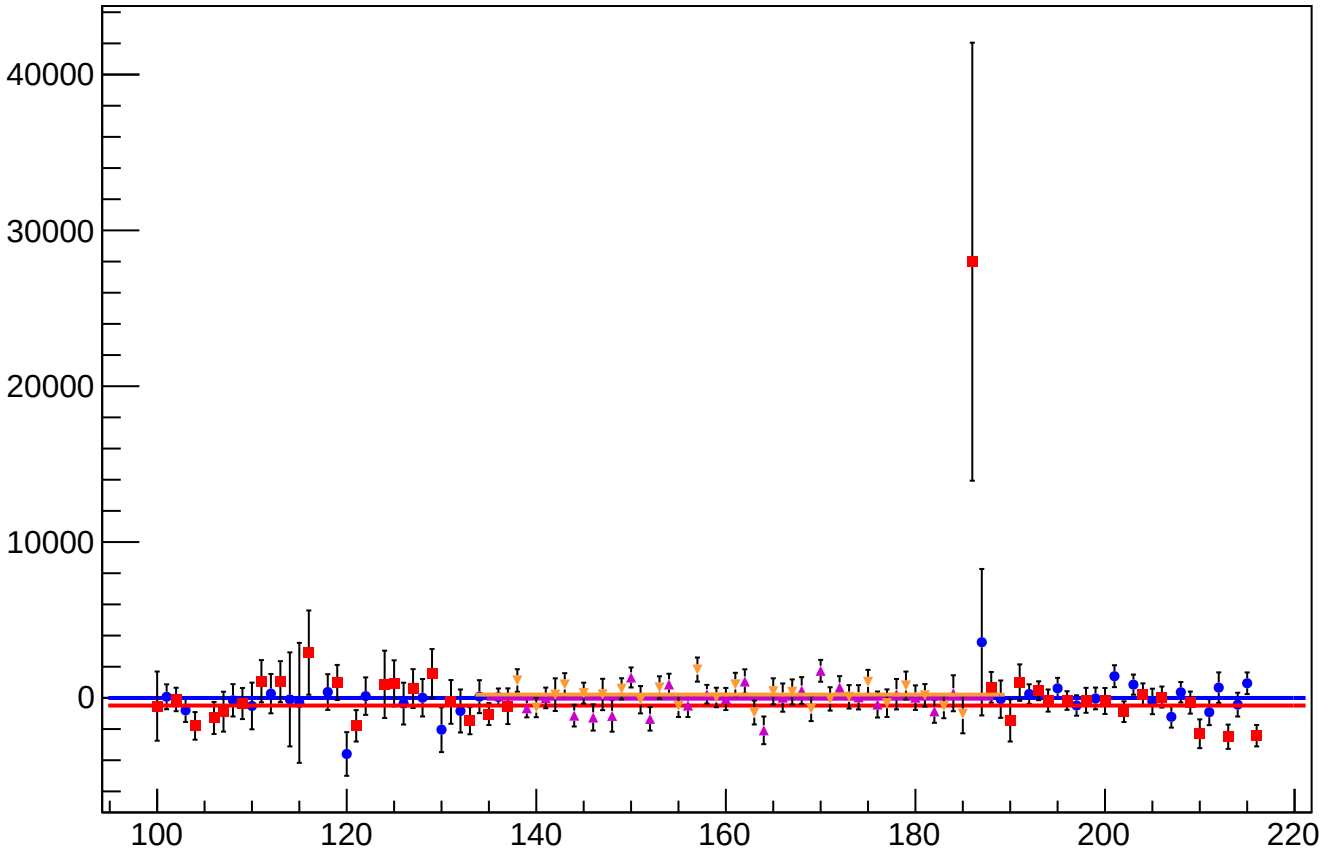
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 96.780+/-0.011 χ^2/NDF: 881035.6/65

In: 103.946+/-0.012 χ^2/NDF:1152211.3/53

Out: 103.554+/-0.012 χ^2/NDF:1628199.2/59

All: 103.746+/-0.008 χ^2/NDF: 2780949.1/113



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: -491.208+/-155.325 χ^2/NDF: 47.9/34

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

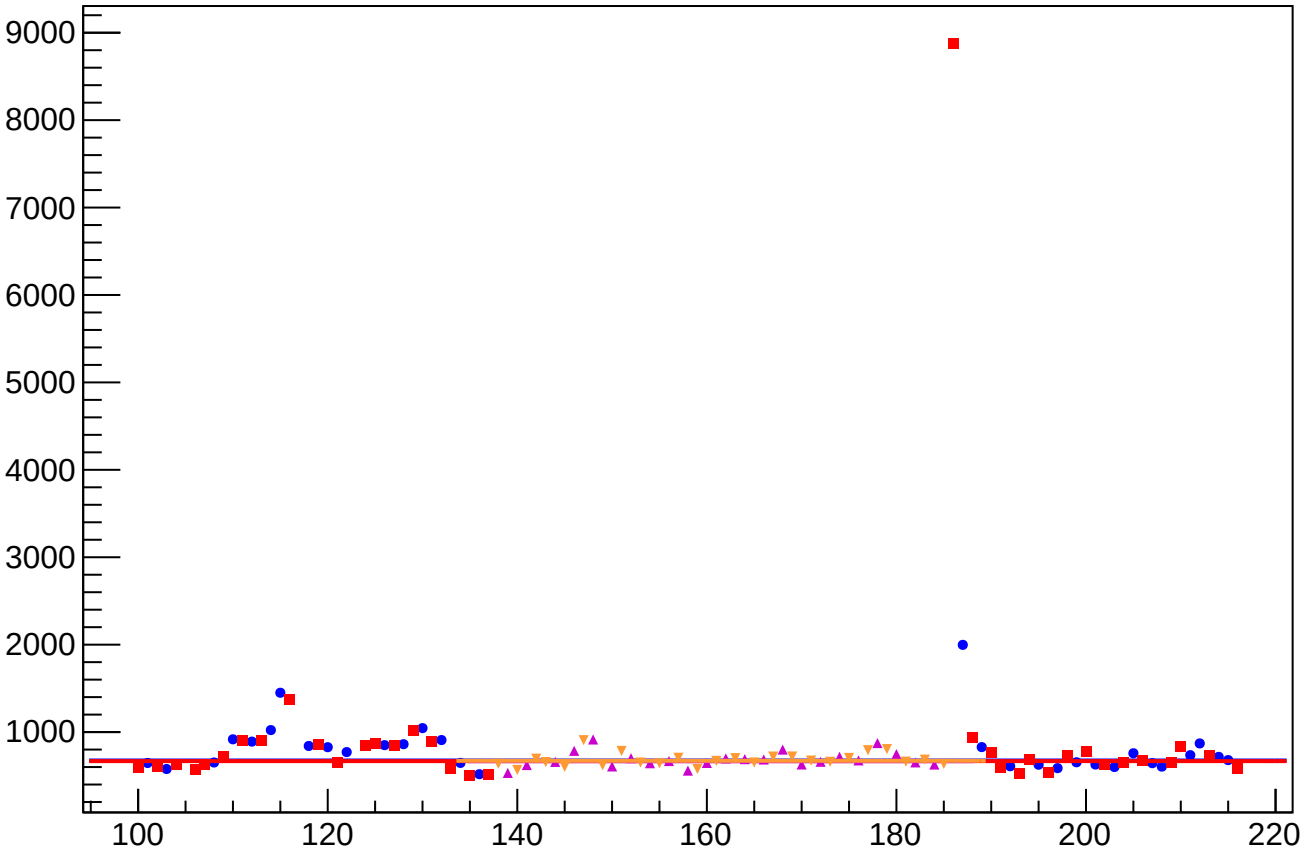
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -251.007+/-110.474 χ^2/NDF: 78.3/65

In: -27.635+/-111.244 χ^2/NDF:59.0/53

Out: -137.746+/-109.333 χ^2/NDF:77.0/59

All: -83.644+/-77.977 χ^2/NDF: 136.5/113



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: 667.853+/-0.110 χ^2/NDF: 1997188.8/34

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

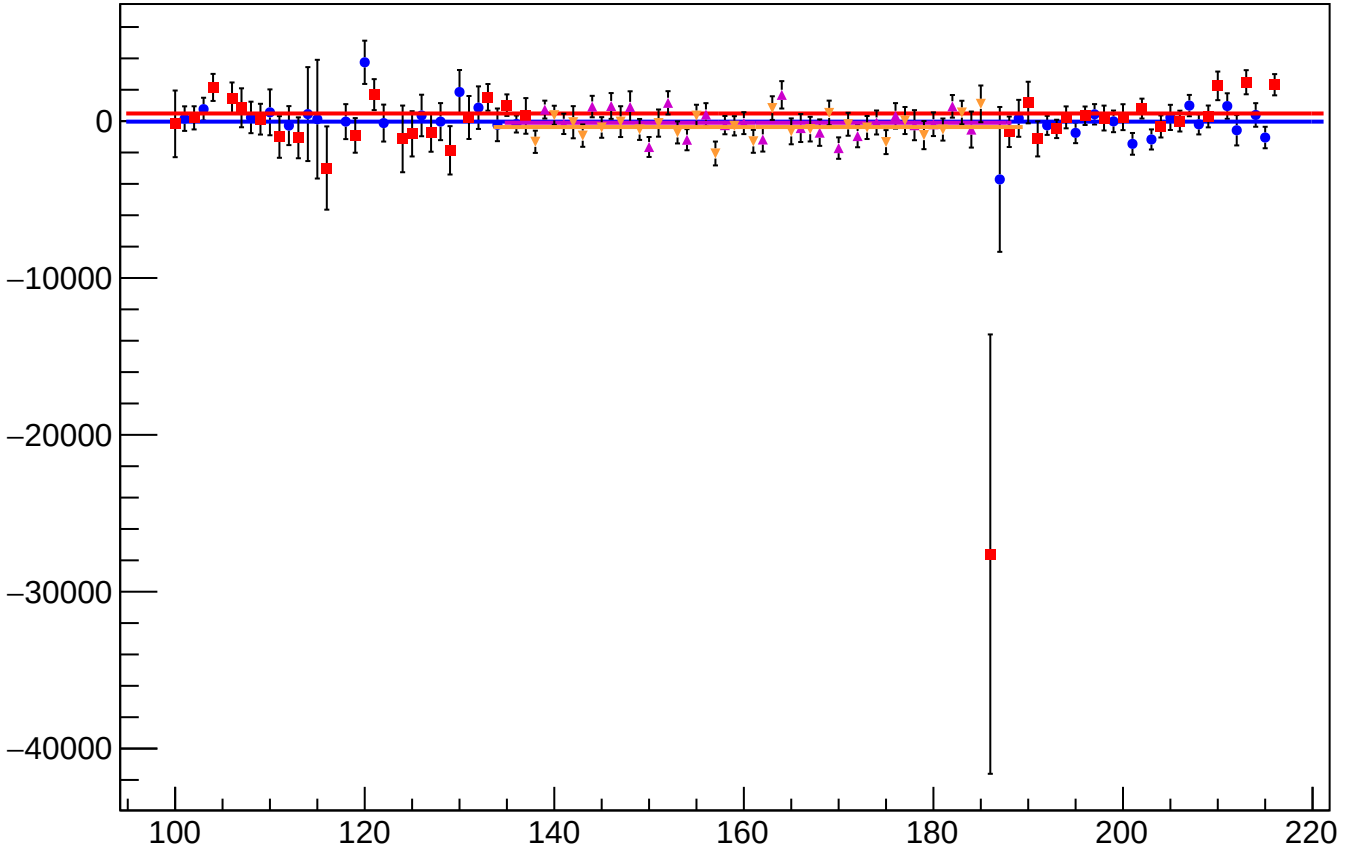
Right: 671.333+/-0.078 χ^2/NDF: 3210164.1/65

In: 671.126+/-0.079 χ^2/NDF:1760154.9/53

Out: 669.869+/-0.077 χ^2/NDF:2397016.9/59

All: 670.487+/-0.055 χ^2/NDF: 4157301.7/113

asym_sam_15_dd_mean vs Slug, Sign Corrected



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: 487.881+/-152.319 χ^2/NDF: 50.5/34

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

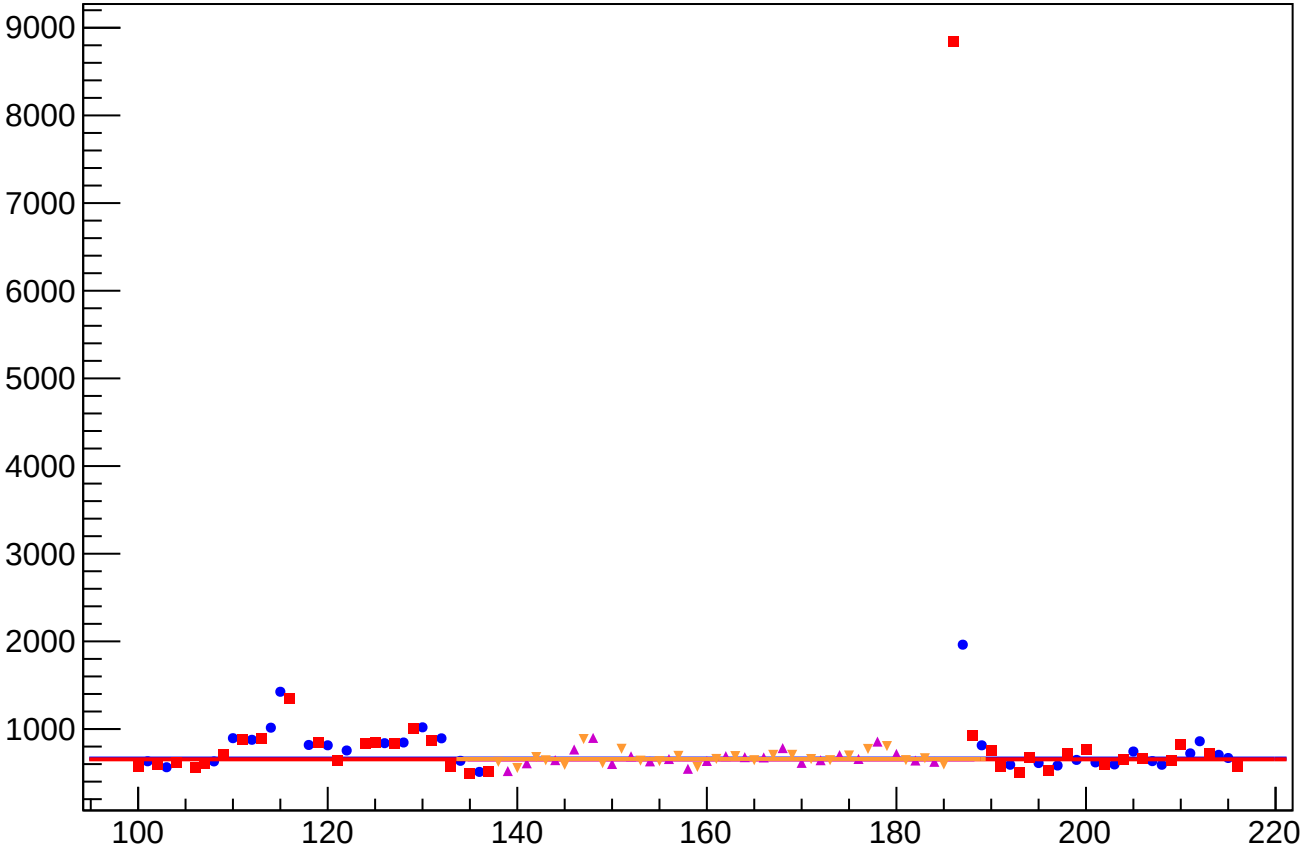
Right: 231.601+/-108.456 χ^2/NDF: 84.4/65

In: -67.662+/-109.176 χ^2/NDF:63.8/53

Out: 51.431+/-107.219 χ^2/NDF:88.2/59

All: -7.038+/-76.498 χ^2/NDF: 152.6/113

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: 654.461+/-0.108 χ^2/NDF: 2038925.8/34

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

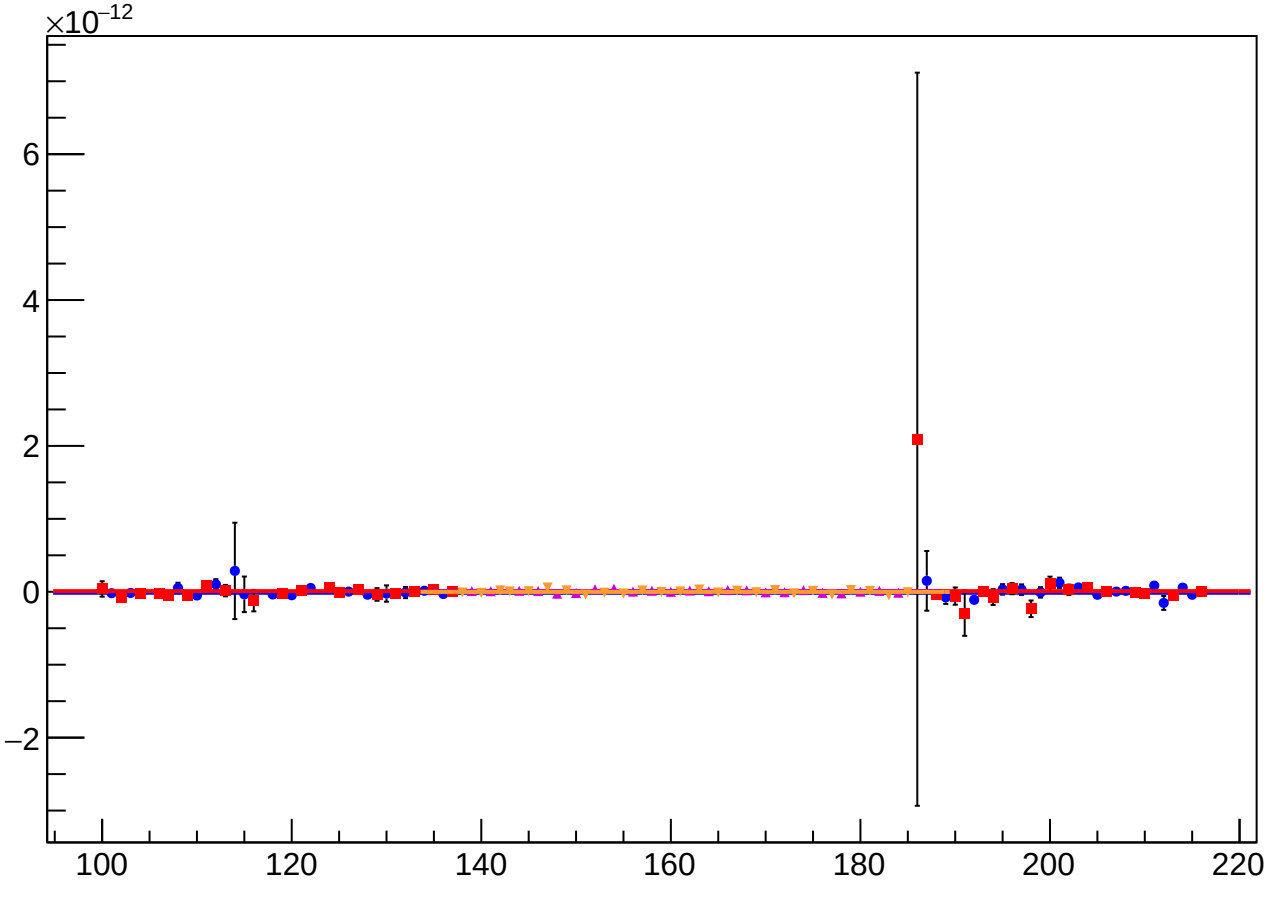
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 658.794+/-0.077 χ^2/NDF: 3247141.0/65

In: 658.596+/-0.077 χ^2/NDF:1750638.6/53

Out: 656.586+/-0.076 χ^2/NDF:2449381.3/59

All: 657.572+/-0.054 χ^2/NDF: 4200365.1/113



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: 28.2/34

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

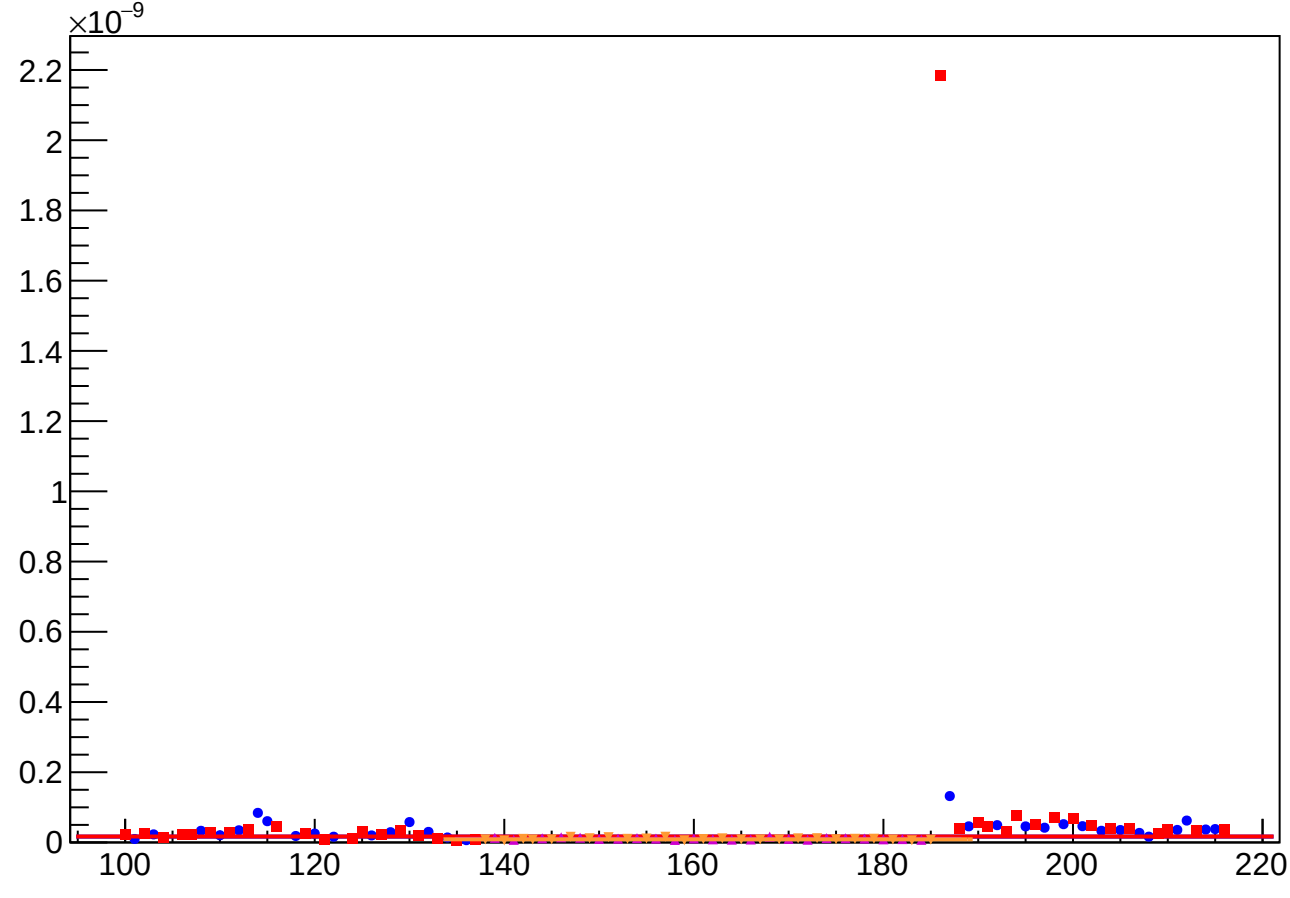
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 62.3/65

In: 0.000+/-0.000 χ^2/NDF:52.0/53

Out: 0.000+/-0.000 χ^2/NDF:61.9/59

All: 0.000+/-0.000 χ^2/NDF: 114.2/113



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: 7992485.4/34

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

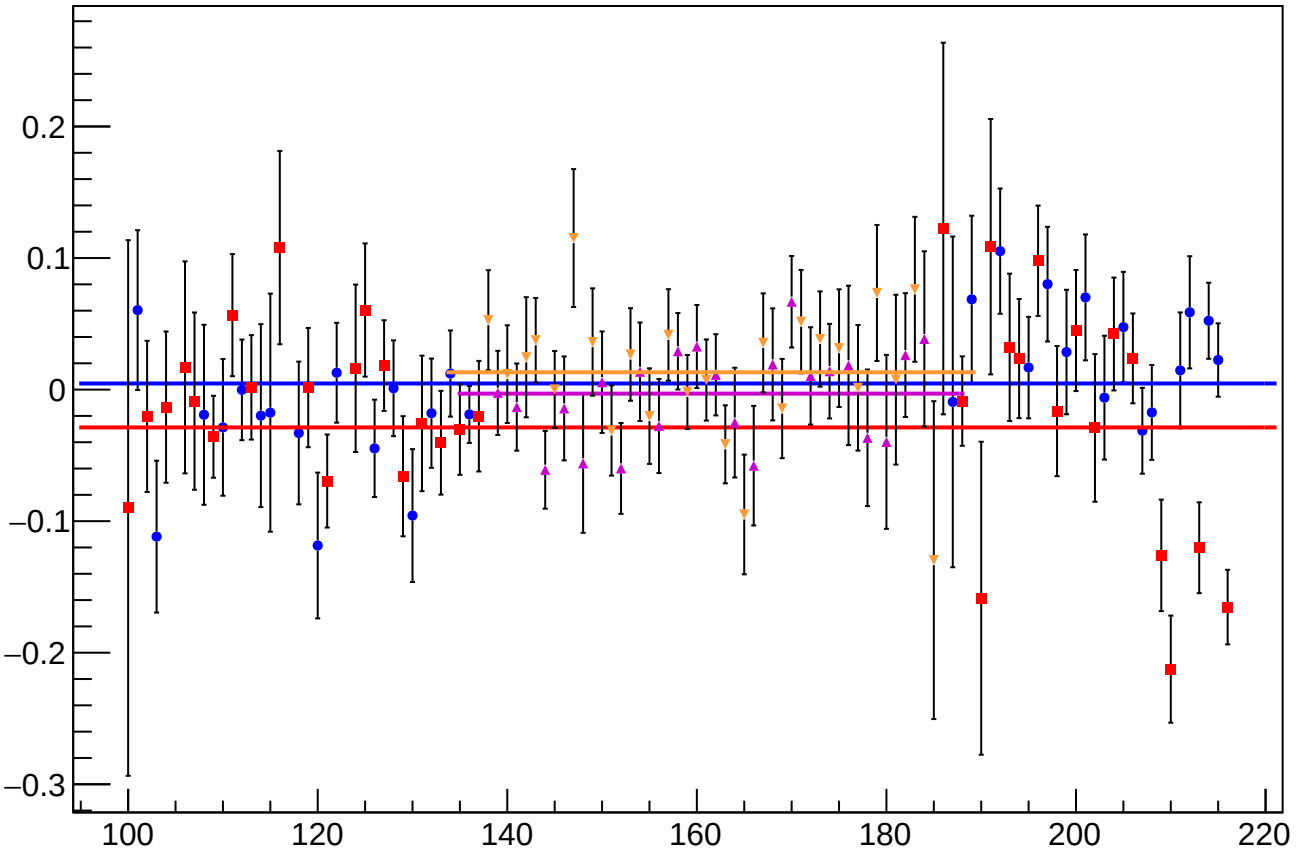
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15117185.3/65

In: 0.000+/-0.000 χ^2/NDF:9115355.8/53

Out: 0.000+/-0.000 χ^2/NDF:11103211.8/59

All: 0.000+/-0.000 χ^2/NDF: 20375615.3/113



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: -0.029+/-0.008 χ^2/NDF: 96.0/34

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

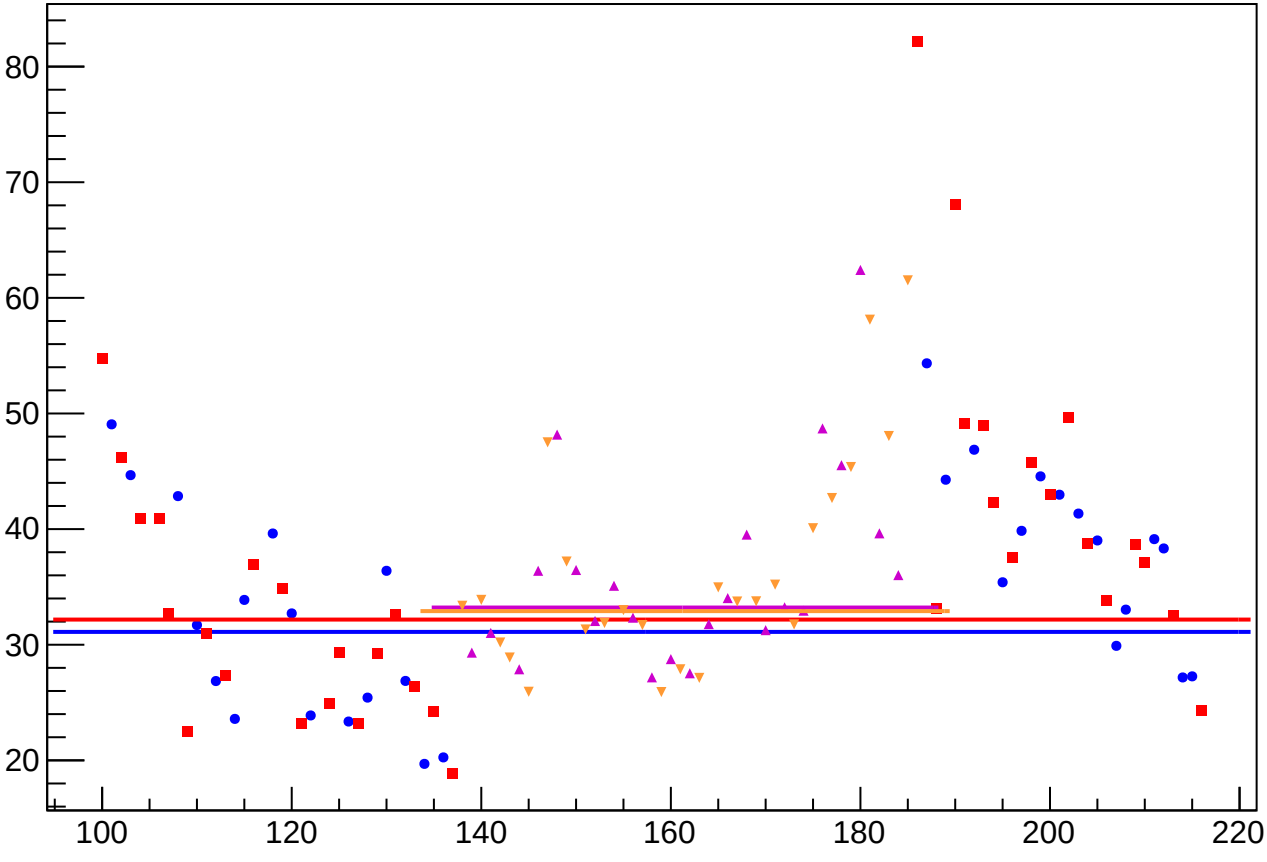
Right: -0.012+/-0.005 χ^2/NDF: 142.5/65

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.008+/-0.005 χ^2/NDF:136.4/59

All: -0.003+/-0.004 χ^2/NDF: 194.1/113

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: 32.176+/-0.005 χ^2/NDF: 2651394.0/34

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

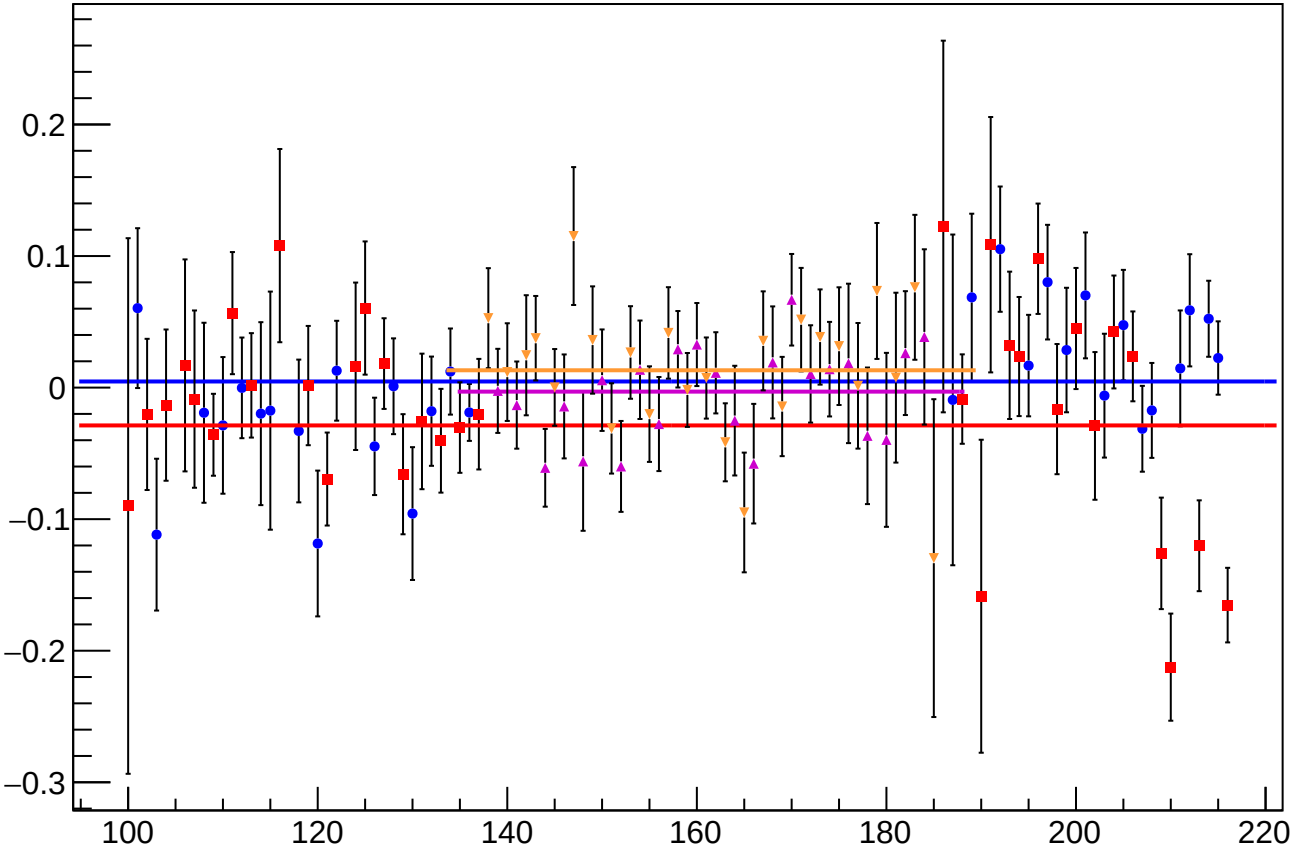
Right: 31.630+/-0.004 χ^2/NDF: 5250896.4/65

In: 32.089+/-0.004 χ^2/NDF:3875733.4/53

Out: 32.538+/-0.004 χ^2/NDF:4088473.1/59

All: 32.315+/-0.003 χ^2/NDF: 7971082.9/113

asym_sam_15_dd_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: -0.029+/-0.008 χ^2/NDF: 96.0/34

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

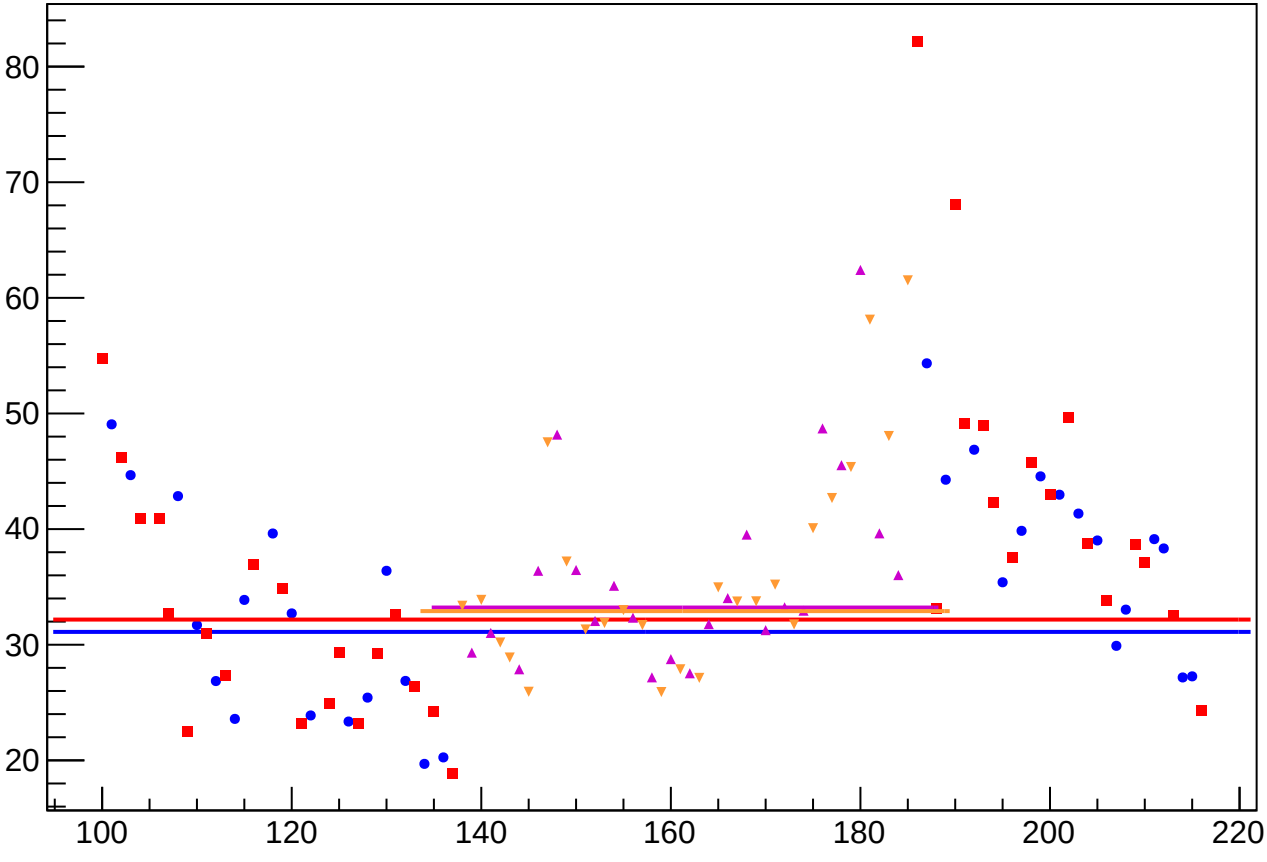
Right: -0.012+/-0.005 χ^2/NDF: 142.5/65

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.008+/-0.005 χ^2/NDF:136.4/59

All: -0.003+/-0.004 χ^2/NDF: 194.1/113

asym_sam_15_dd_dit_vs_eigen_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: 32.176+/-0.005 χ^2/NDF: 2651394.0/34

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

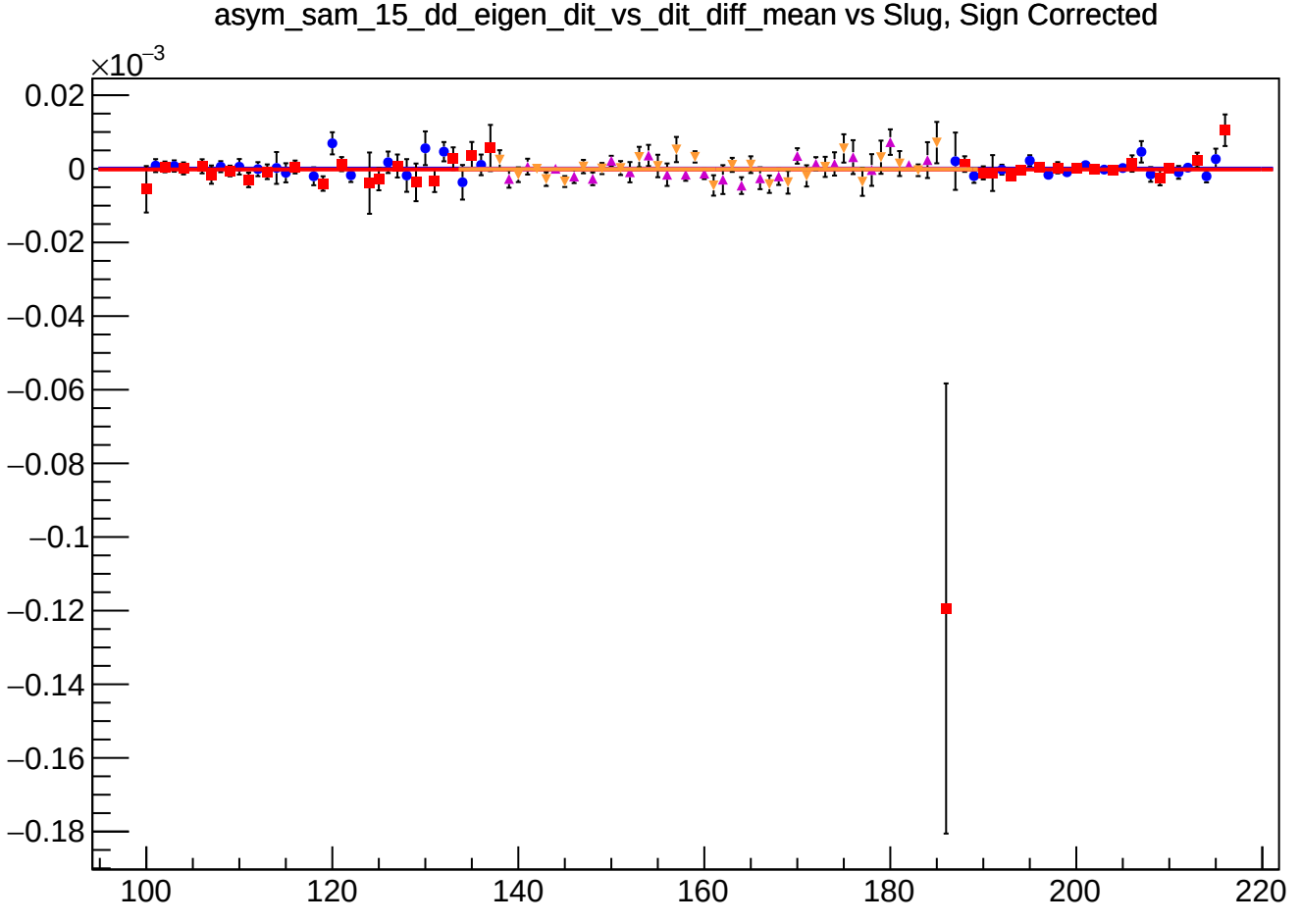
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.630+/-0.004 χ^2/NDF: 5250896.4/65

In: 32.089+/-0.004 χ^2/NDF:3875733.4/53

Out: 32.538+/-0.004 χ^2/NDF:4088473.1/59

All: 32.315+/-0.003 χ^2/NDF: 7971082.9/113



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: 31.1/34

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

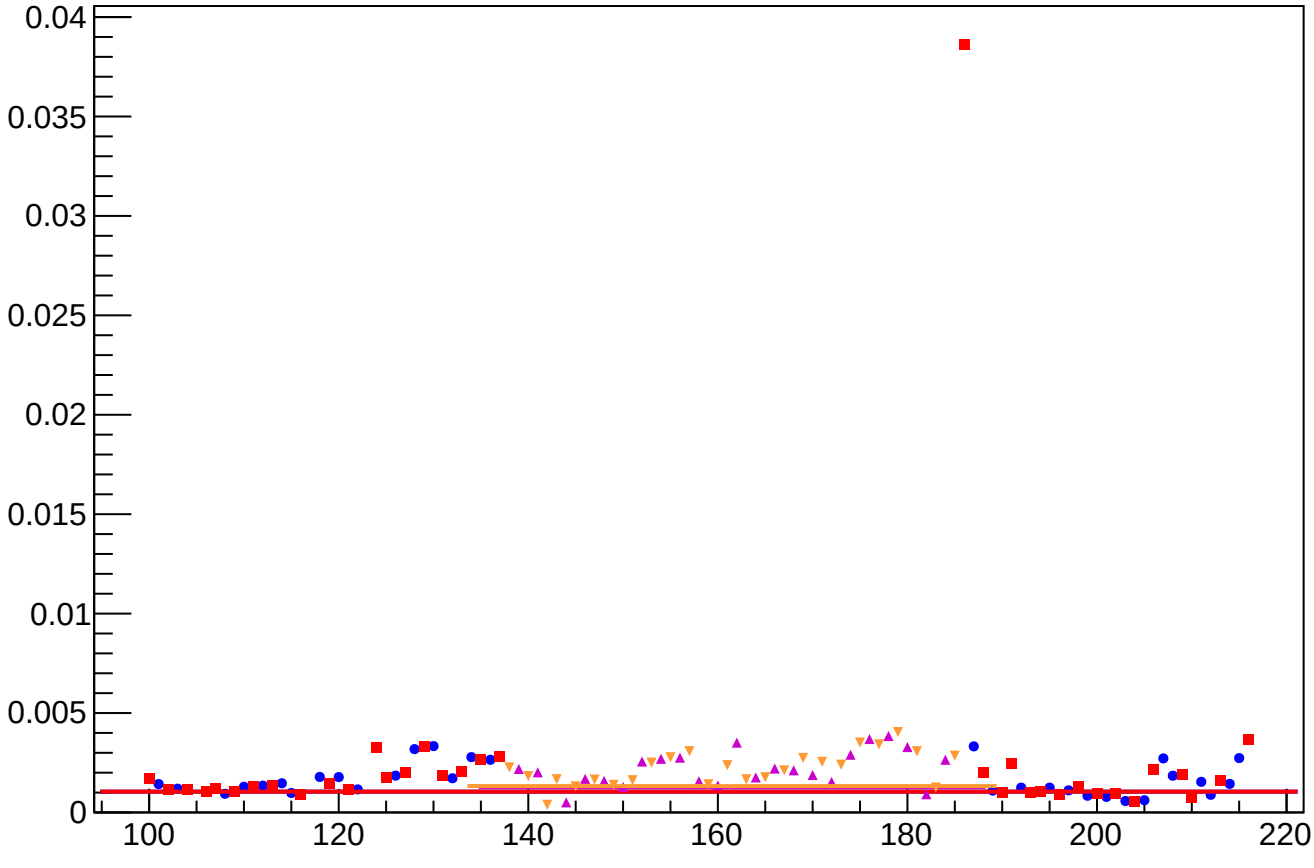
Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

Right: -0.000+/-0.000 χ^2/NDF: 58.7/65

In: 0.000+/-0.000 χ^2/NDF:54.3/53

Out: -0.000+/-0.000 χ^2/NDF:62.1/59

All: -0.000+/-0.000 χ^2/NDF: 116.7/113



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: 6945087.5/34

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

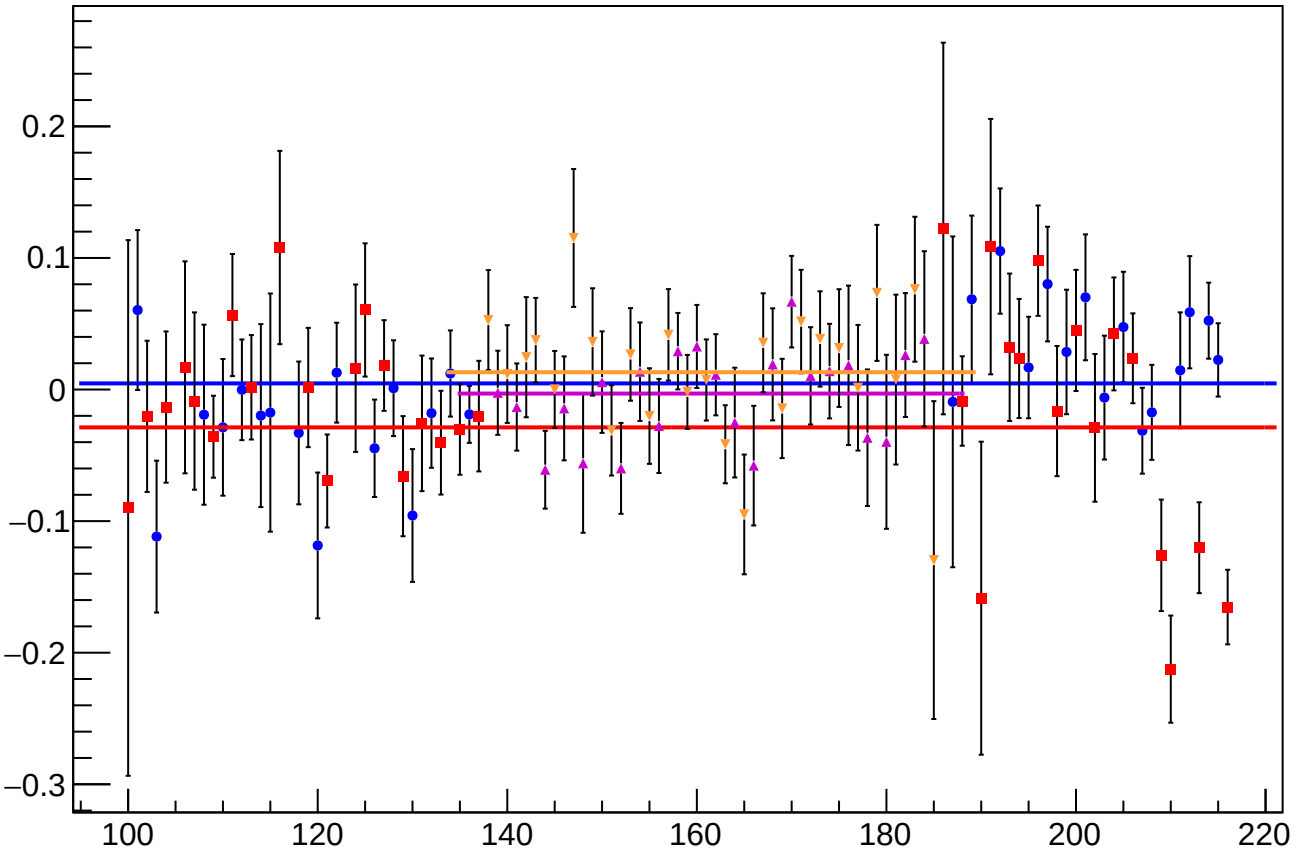
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 13768560.6/65

In: 0.001+/-0.000 χ^2/NDF:17218439.5/53

Out: 0.001+/-0.000 χ^2/NDF:18863393.6/59

All: 0.001+/-0.000 χ^2/NDF: 36085181.4/113



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: -0.029+/-0.008 χ^2/NDF: 96.0/34

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

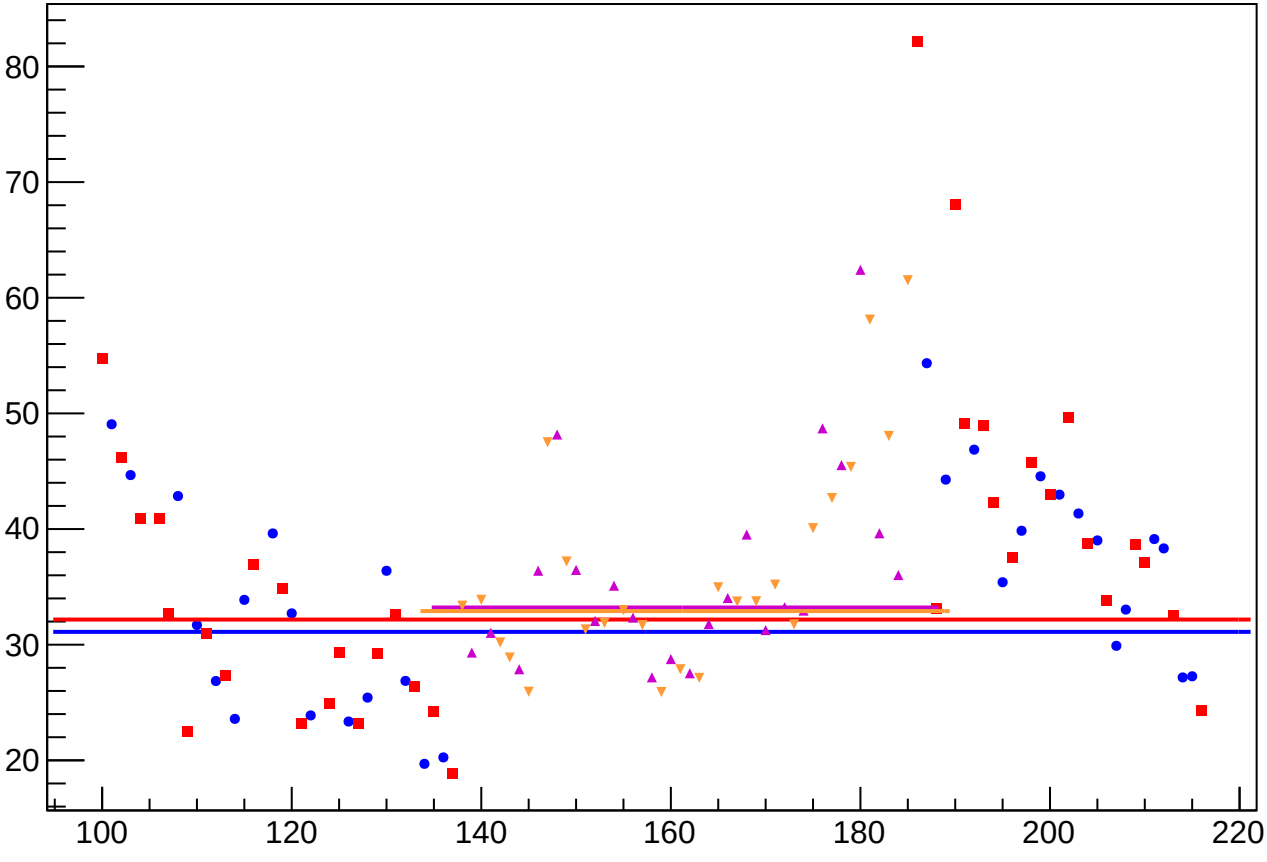
Right: -0.012+/-0.005 χ^2/NDF: 142.5/65

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.008+/-0.005 χ^2/NDF:136.4/59

All: -0.003+/-0.004 χ^2/NDF: 194.1/113

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: 32.175+/-0.005 χ^2/NDF: 2651789.0/34

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

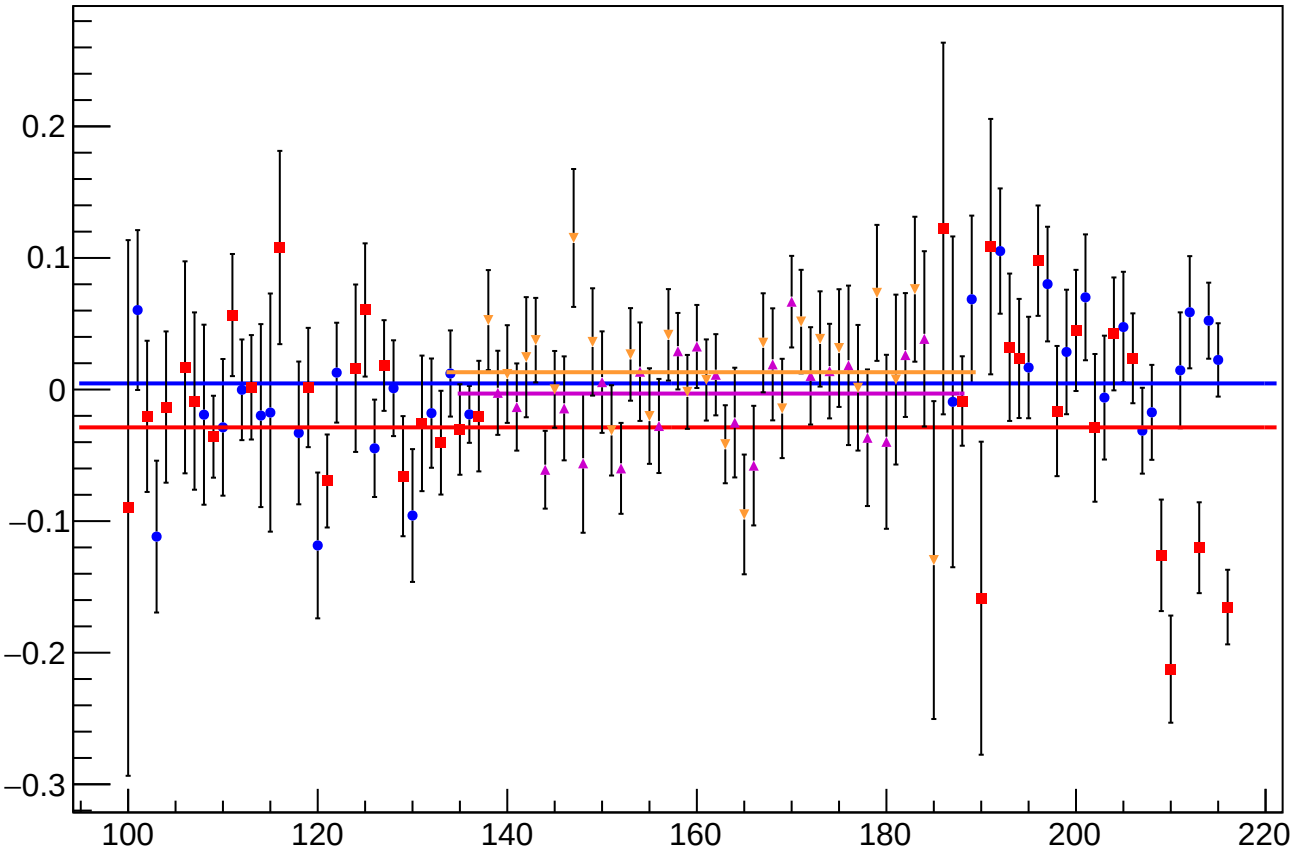
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.629+/-0.004 χ^2/NDF: 5251449.5/65

In: 32.089+/-0.004 χ^2/NDF:3876029.8/53

Out: 32.537+/-0.004 χ^2/NDF:4088965.7/59

All: 32.314+/-0.003 χ^2/NDF: 7971863.5/113



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: -0.029+/-0.008 χ^2/NDF: 96.0/34

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

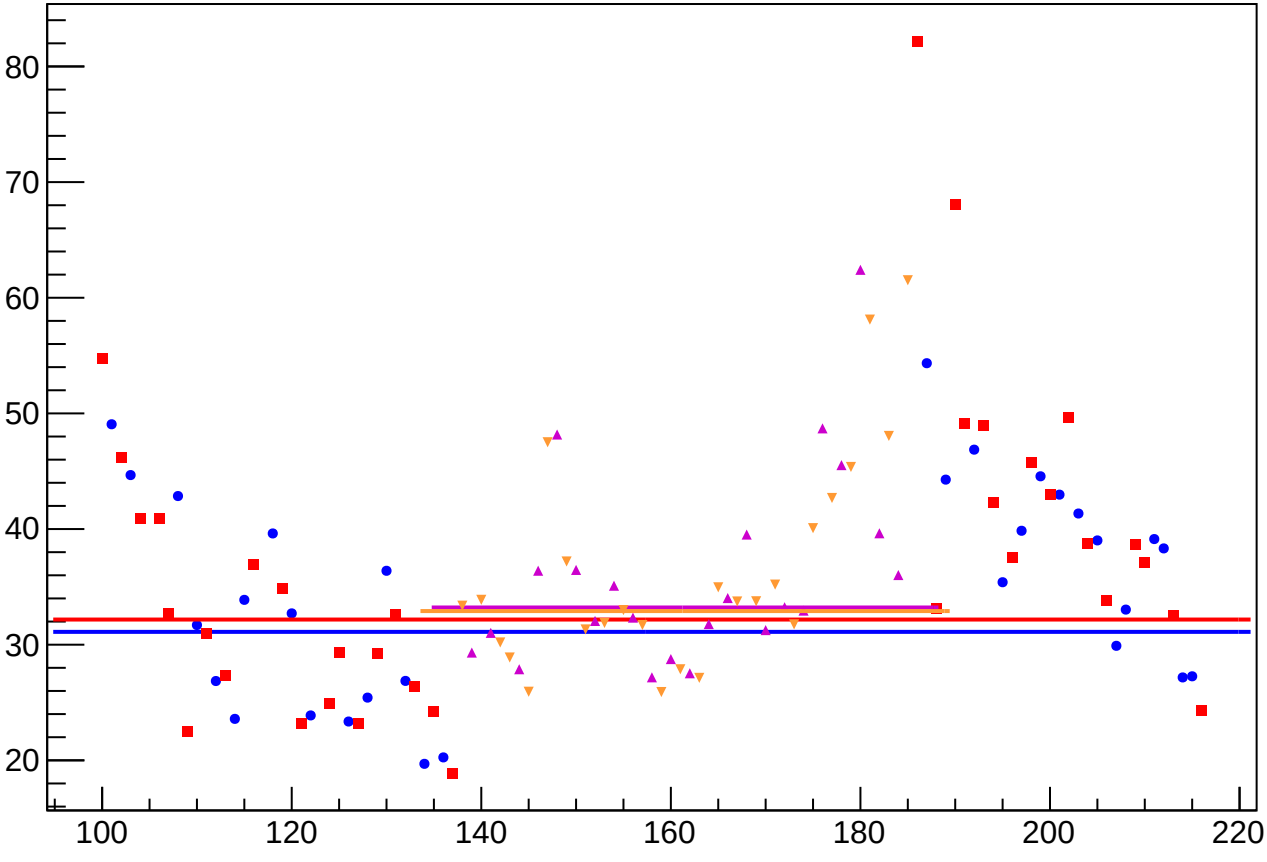
Right: -0.012+/-0.005 χ^2/NDF: 142.5/65

In: 0.001+/-0.005 χ^2/NDF:56.3/53

Out: -0.008+/-0.005 χ^2/NDF:136.4/59

All: -0.003+/-0.004 χ^2/NDF: 194.1/113

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: 32.175+/-0.005 χ^2/NDF: 2651789.0/34

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

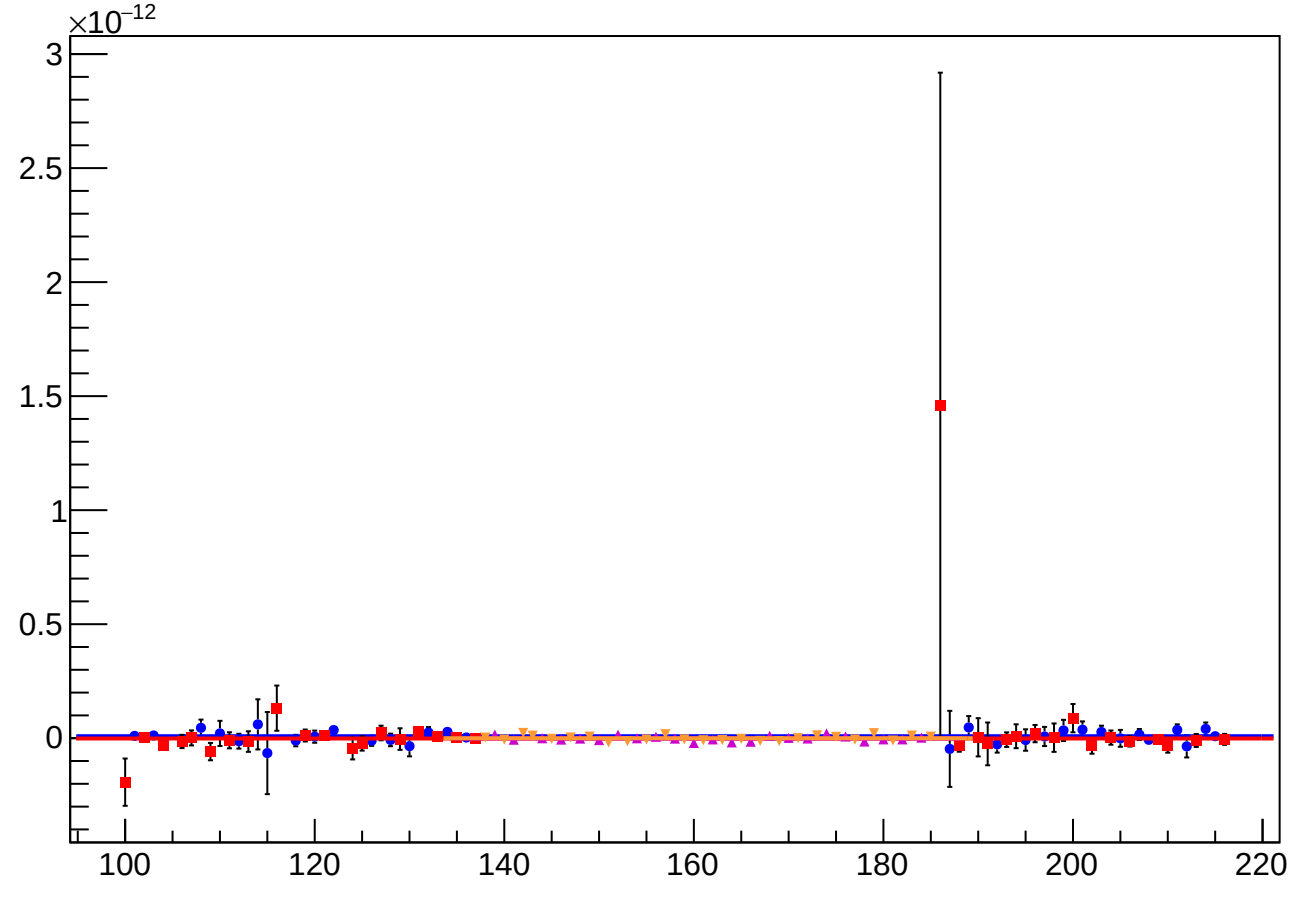
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.629+/-0.004 χ^2/NDF: 5251449.5/65

In: 32.089+/-0.004 χ^2/NDF:3876029.8/53

Out: 32.537+/-0.004 χ^2/NDF:4088965.7/59

All: 32.314+/-0.003 χ^2/NDF: 7971863.5/113



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: 22.6/34

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

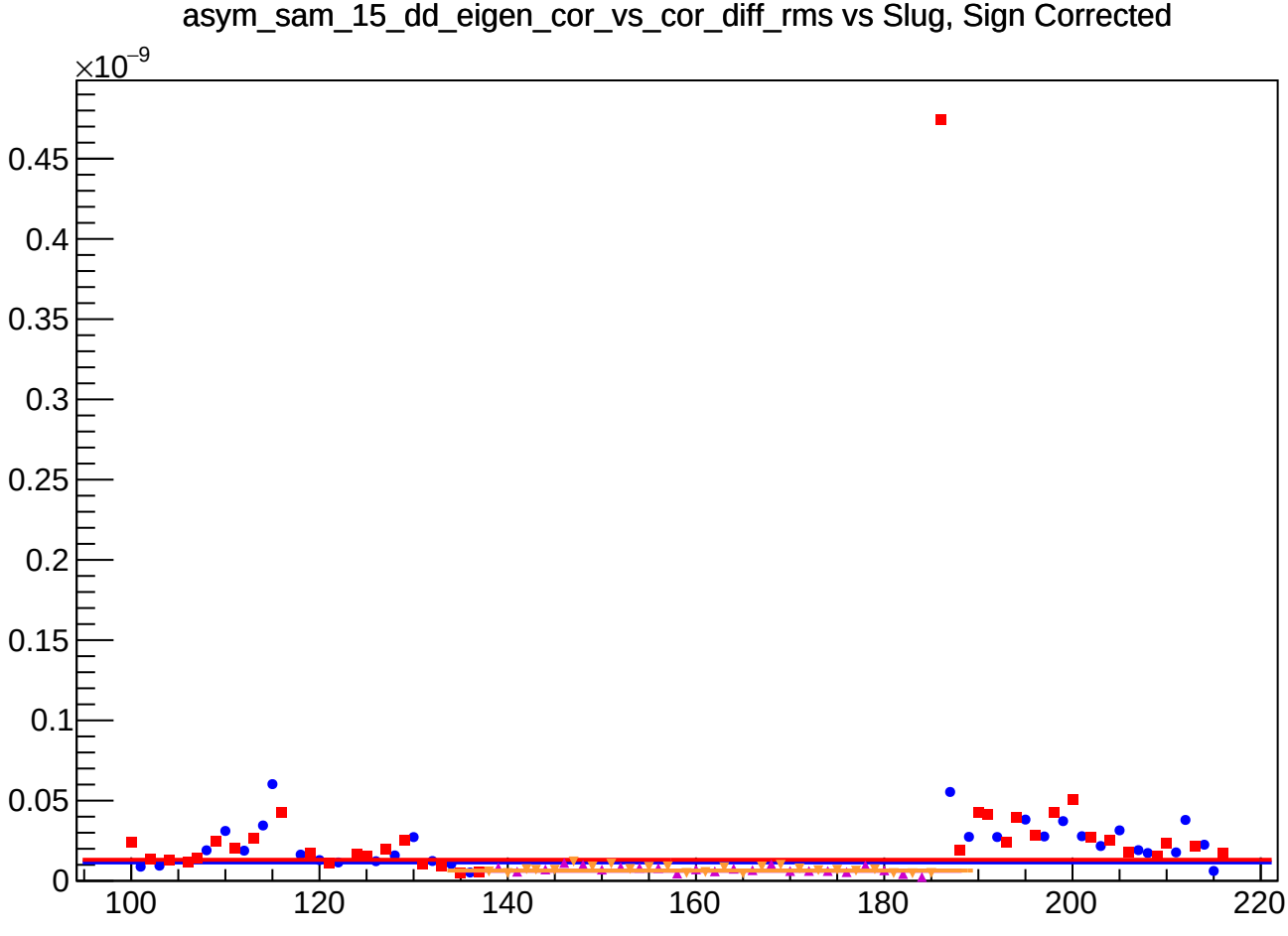
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 41.4/65

In: 0.000+/-0.000 χ^2/NDF:46.4/53

Out: -0.000+/-0.000 χ^2/NDF:53.7/59

All: 0.000+/-0.000 χ^2/NDF: 100.3/113



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: 7688124.9/34

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

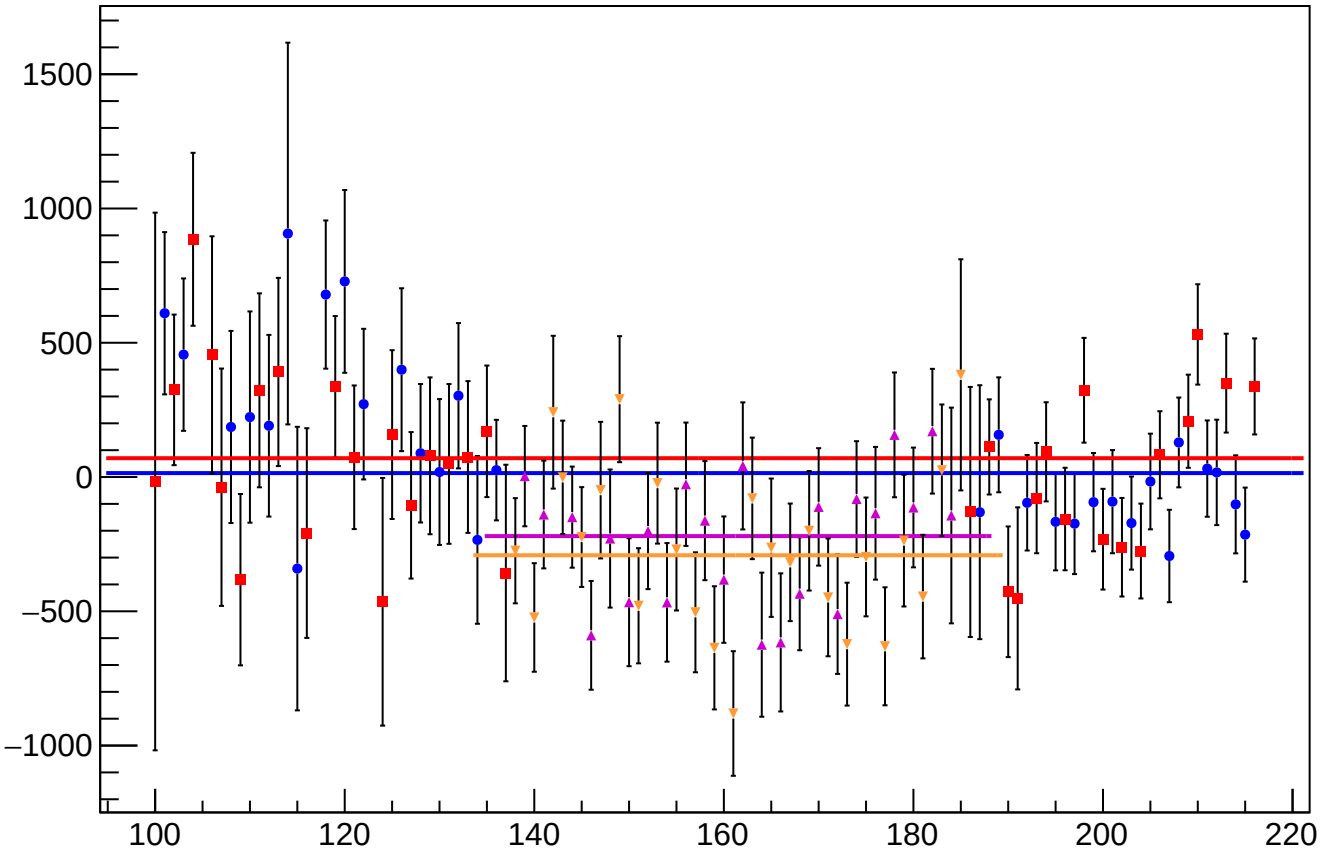
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16164479.7/65

In: 0.000+/-0.000 χ^2/NDF:13340832.4/53

Out: 0.000+/-0.000 χ^2/NDF:13812607.9/59

All: 0.000+/-0.000 χ^2/NDF: 27162350.0/113



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: 70.130+/-40.807 χ^2/NDF: 47.4/34

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

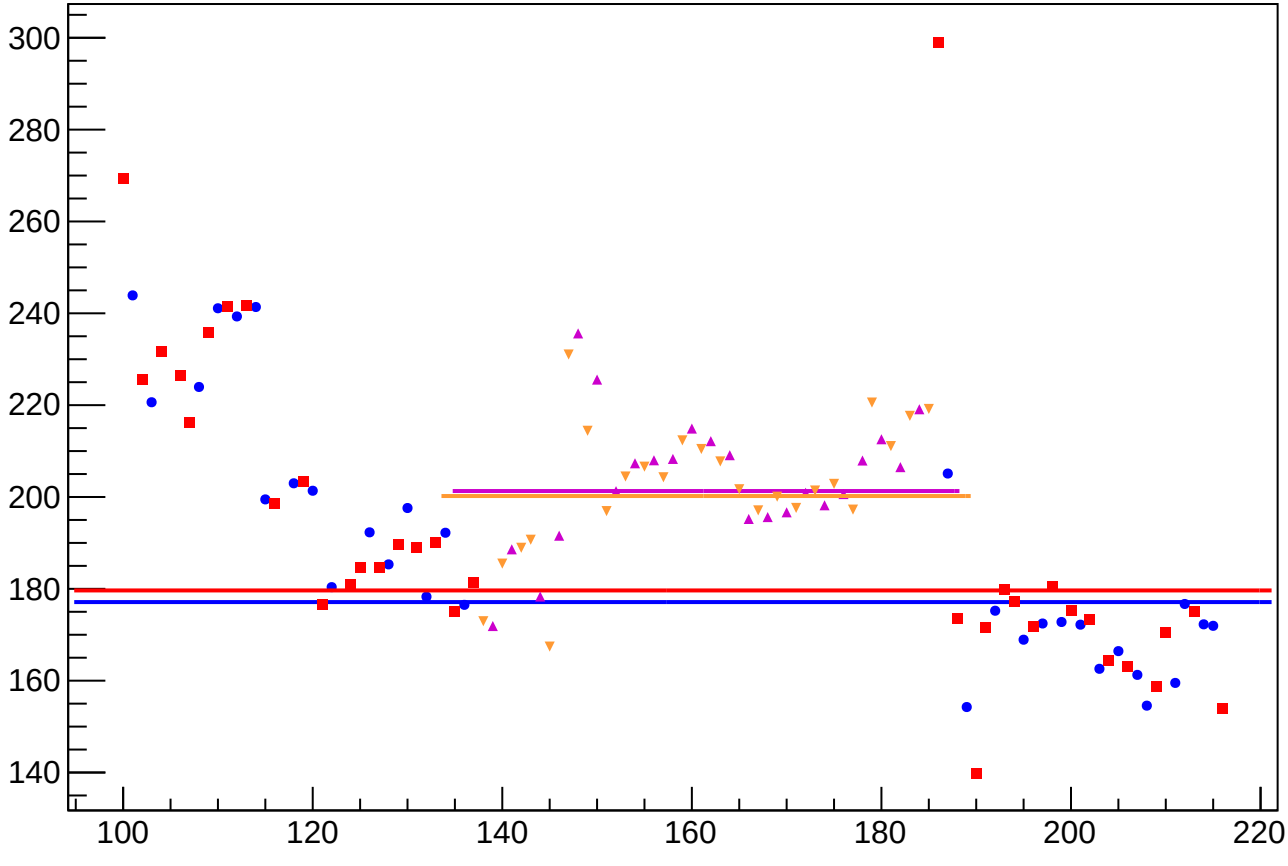
Right: 42.260+/-28.788 χ^2/NDF: 82.6/65

In: -85.305+/-30.772 χ^2/NDF:72.2/53

Out: -90.552+/-30.413 χ^2/NDF:118.7/59

All: -87.959+/-21.631 χ^2/NDF: 190.8/113

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



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: 179.651+/-0.029 χ^2/NDF: 680258.8/34

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

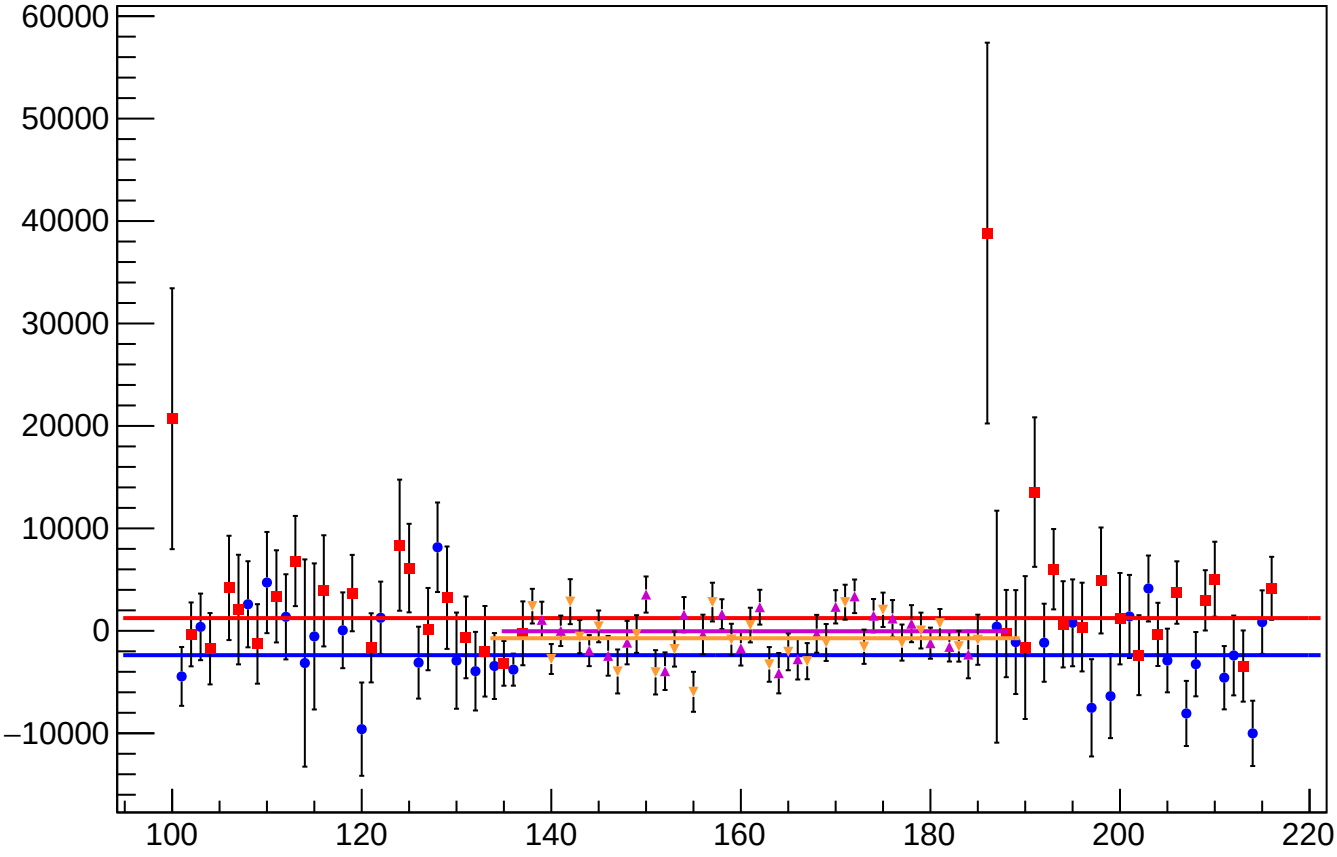
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 178.377+/-0.020 χ^2/NDF: 1189706.2/65

In: 187.418+/-0.022 χ^2/NDF:989221.5/53

Out: 188.790+/-0.022 χ^2/NDF:1110334.1/59

All: 188.112+/-0.015 χ^2/NDF: 2101568.9/113



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: 1243.008+/-666.590 χ^2/NDF: 30.4/34

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

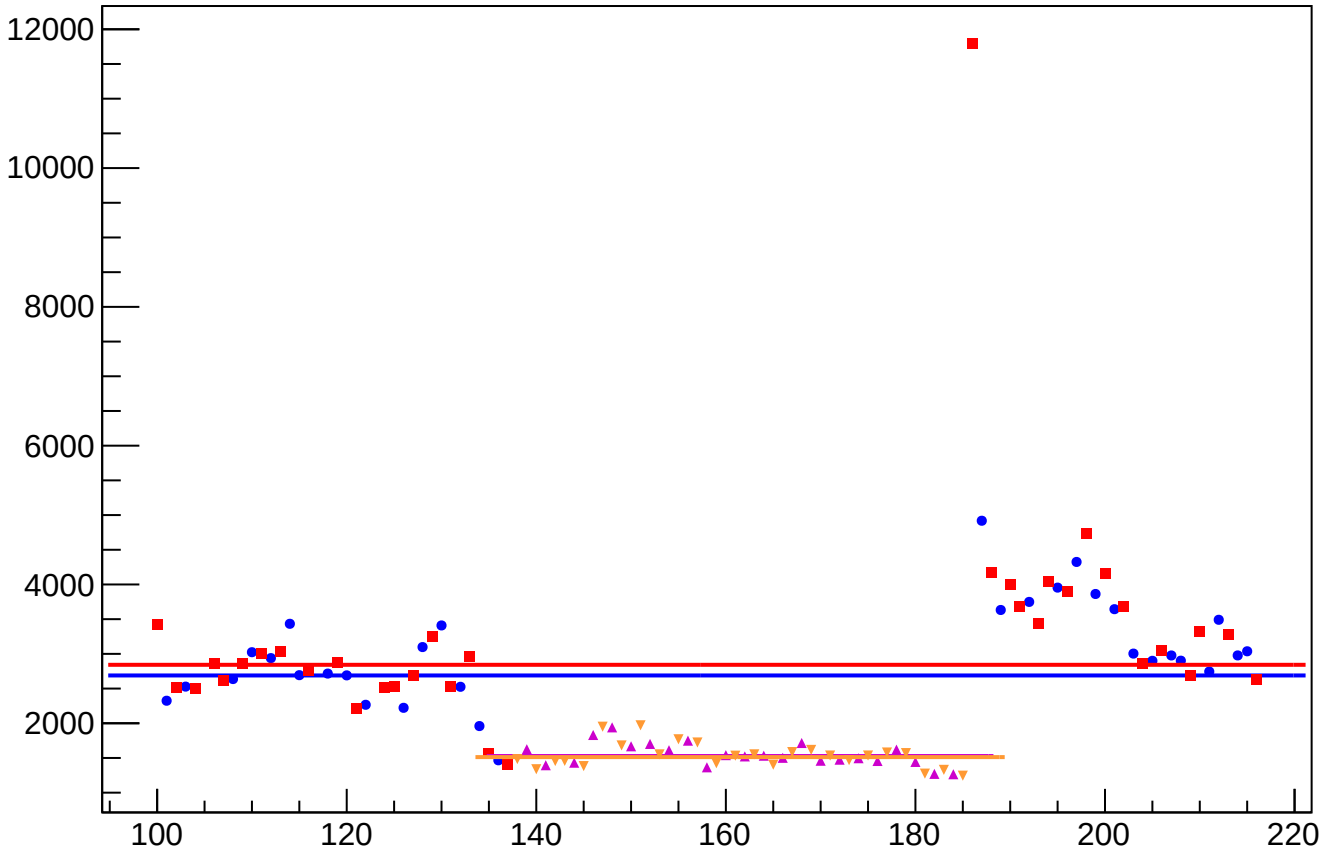
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -648.930+/-460.517 χ^2/NDF: 80.9/65

In: -603.345+/-312.921 χ^2/NDF:79.7/53

Out: -303.208+/-307.358 χ^2/NDF:75.5/59

All: -450.585+/-219.275 χ^2/NDF: 155.7/113



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: 2842.330+/-0.471 χ^2/NDF: 2983649.2/34

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

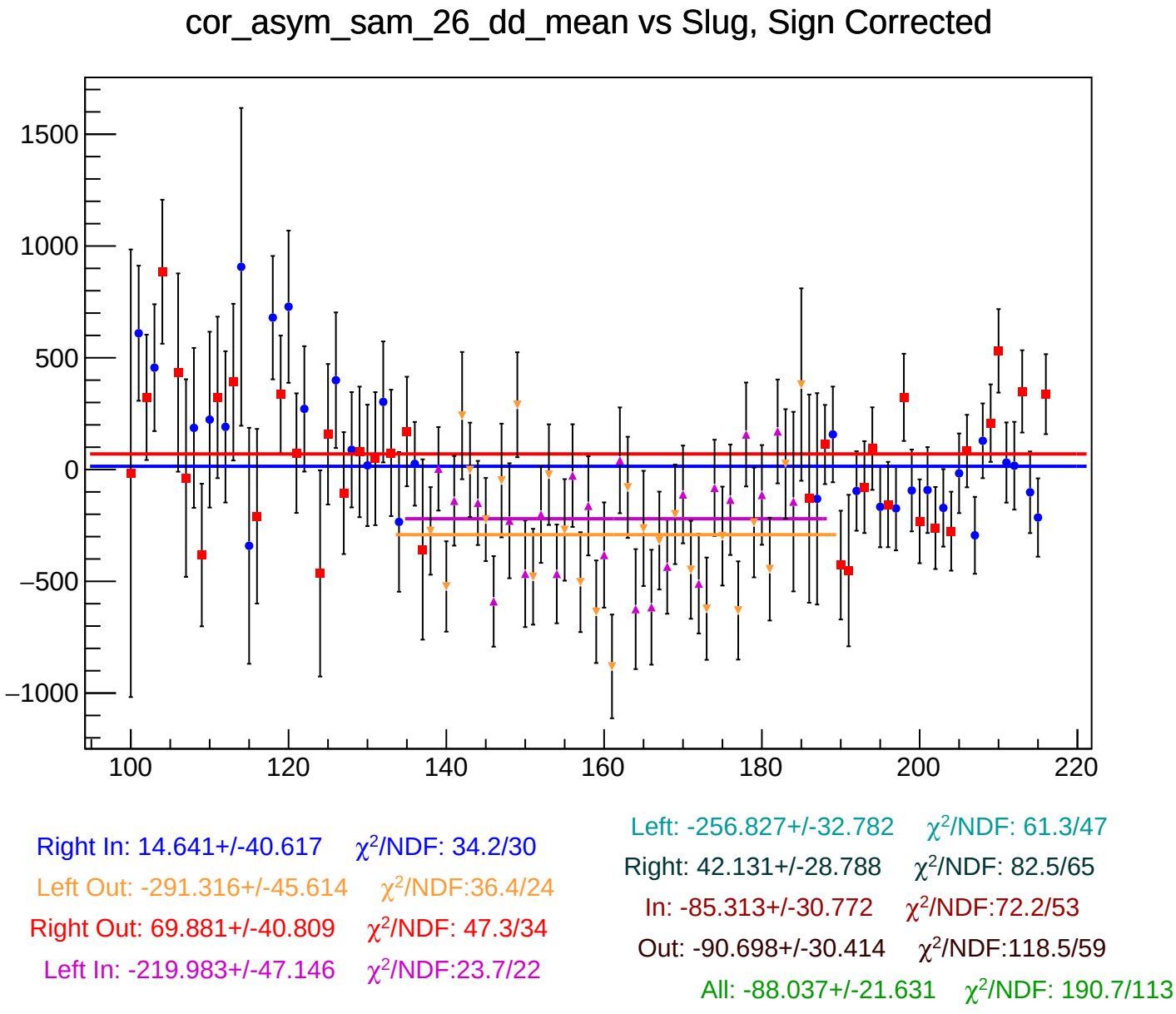
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2762.114+/-0.326 χ^2/NDF: 5734760.1/65

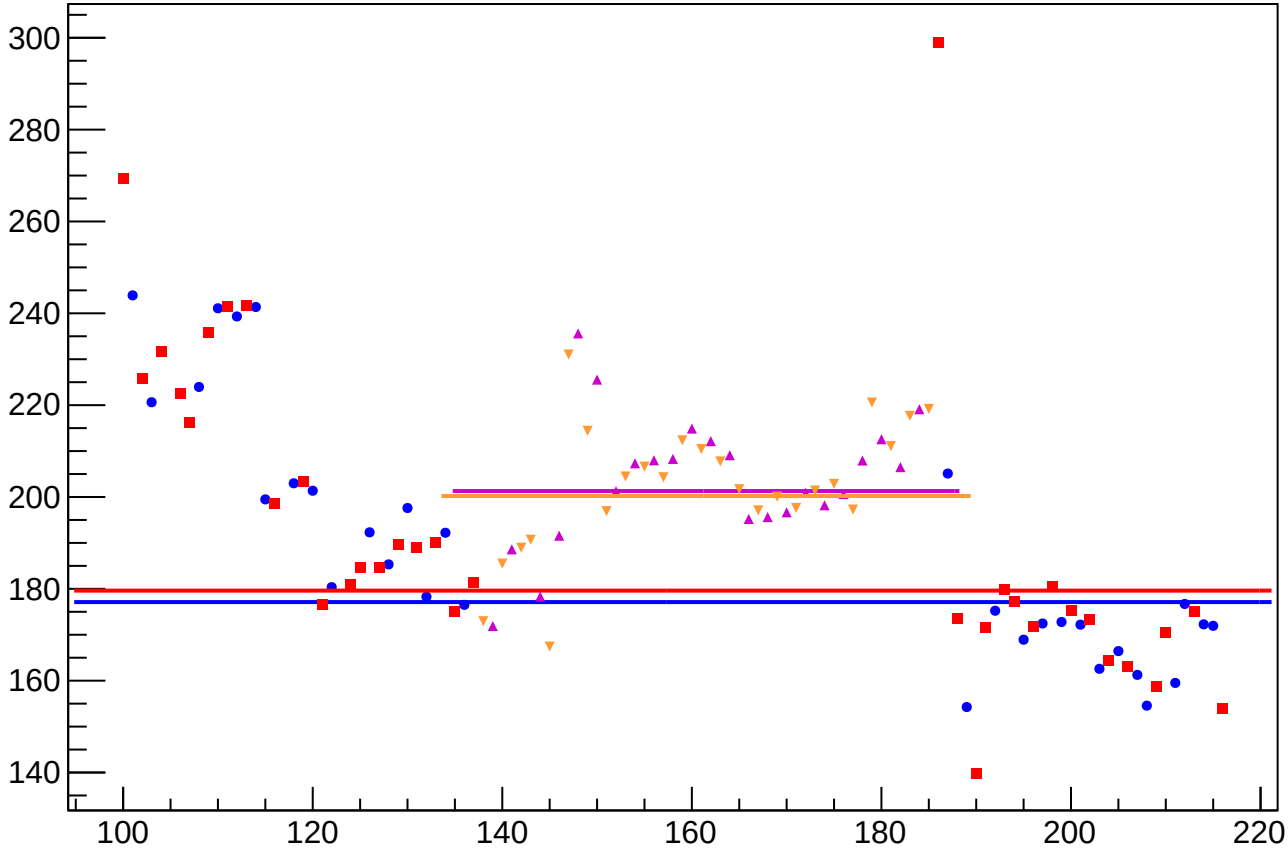
In: 1808.150+/-0.221 χ^2/NDF:8109709.8/53

Out: 1795.121+/-0.217 χ^2/NDF:9695043.6/59

All: 1801.519+/-0.155 χ^2/NDF: 17806518.3/1


cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: 14.641+/-40.617 χ²/NDF: 34.2/30
Left Out: -291.316+/-45.614 χ²/NDF:36.4/24
Right Out: 69.881+/-40.809 χ²/NDF: 47.3/34
Left In: -219.983+/-47.146 χ²/NDF:23.7/22
Left: -256.827+/-32.782 χ²/NDF: 61.3/47
Right: 42.131+/-28.788 χ²/NDF: 82.5/65
In: -85.313+/-30.772 χ²/NDF:72.2/53
Out: -90.698+/-30.414 χ²/NDF:118.5/59
All: -88.037+/-21.631 χ²/NDF: 190.7/113

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: 179.615+/-0.029 χ^2/NDF: 676607.6/34

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

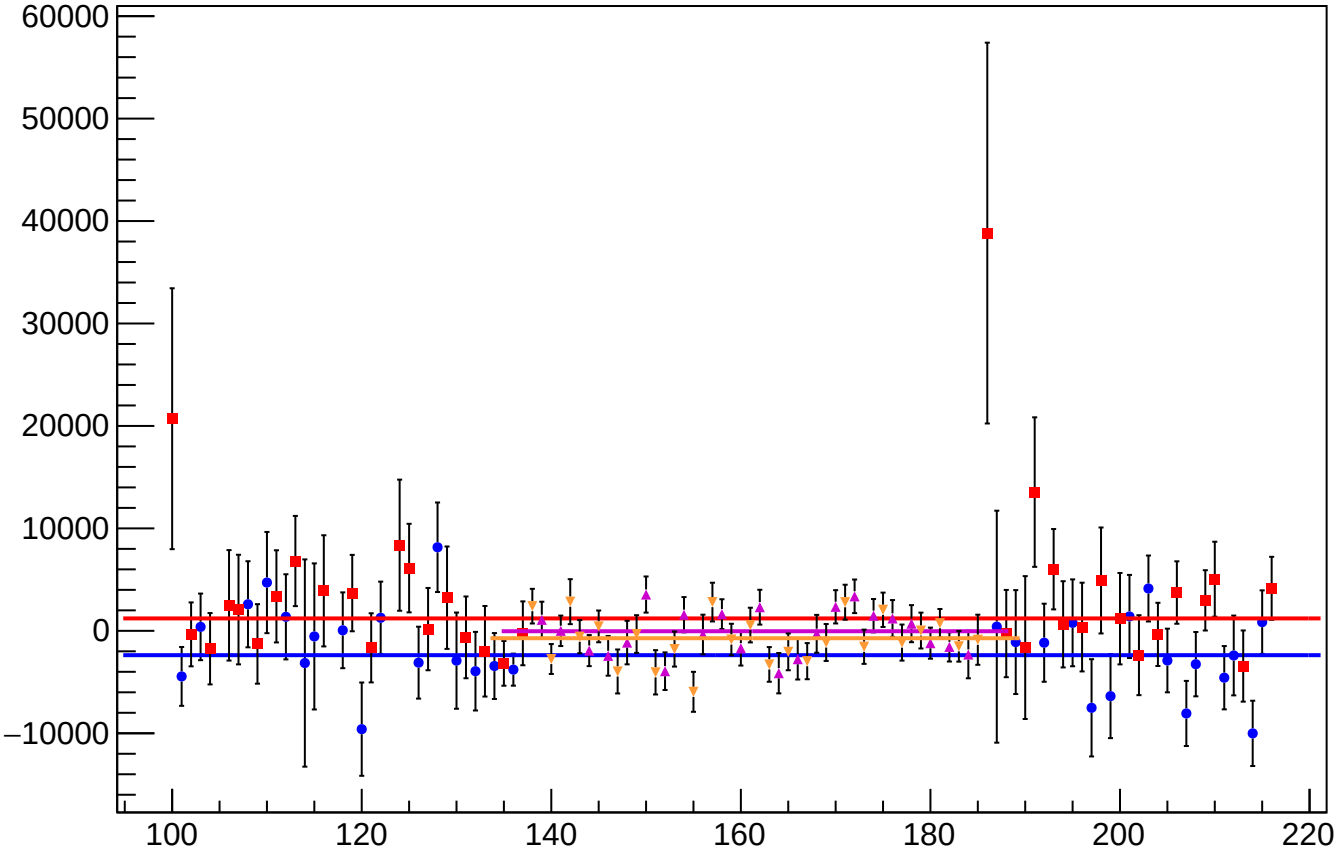
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 178.359+/-0.020 χ^2/NDF: 1185946.7/65

In: 187.418+/-0.022 χ^2/NDF:989222.0/53

Out: 188.771+/-0.022 χ^2/NDF:1107460.4/59

All: 188.102+/-0.015 χ^2/NDF: 2098639.0/113



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: 1211.637+/-667.223 χ^2/NDF: 30.1/34

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

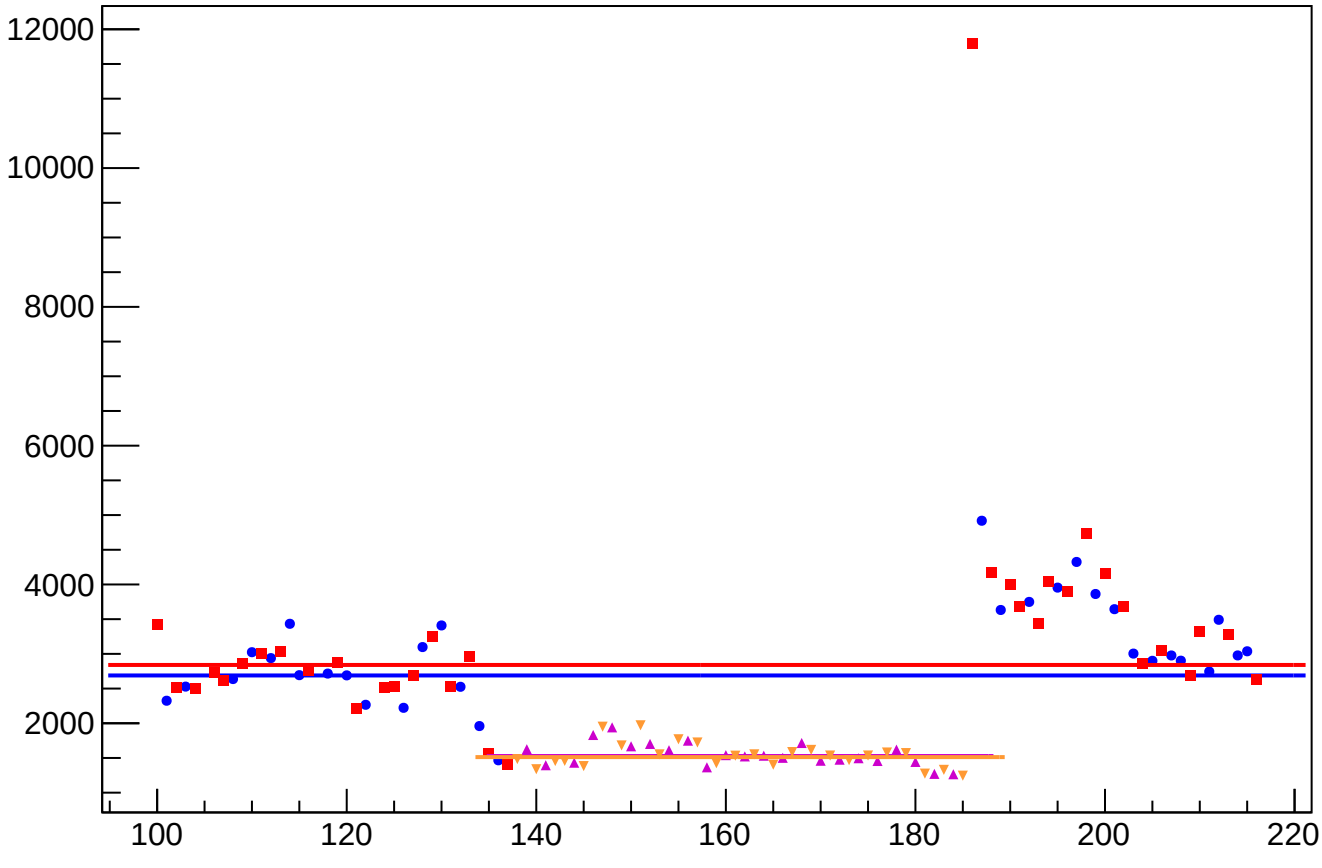
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -665.593+/-460.726 χ^2/NDF: 80.3/65

In: -603.339+/-312.922 χ^2/NDF:79.7/53

Out: -310.495+/-307.420 χ^2/NDF:75.0/59

All: -454.320+/-219.298 χ^2/NDF: 155.1/113



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: 2840.252+/-0.472 χ^2/NDF: 2984296.9/34

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

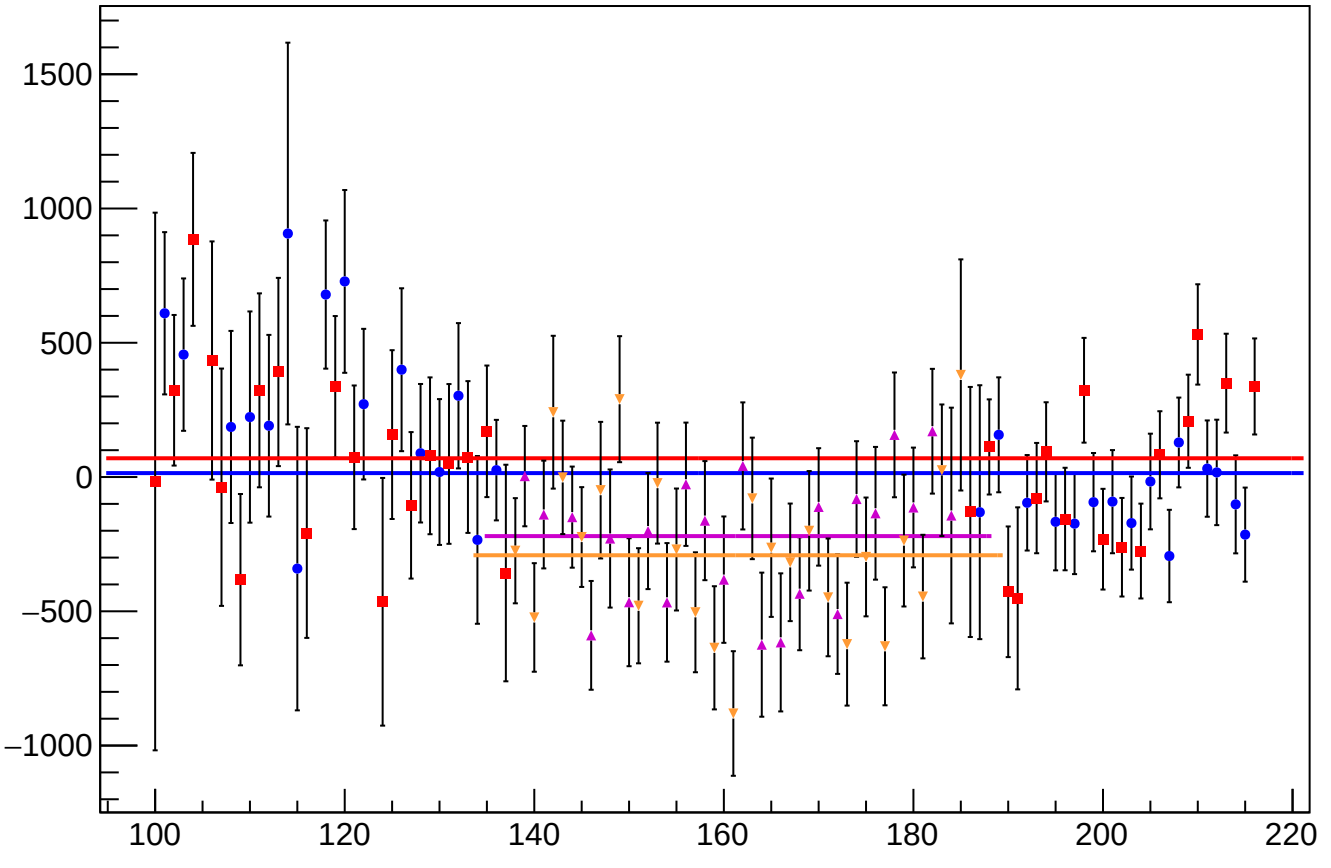
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2761.052+/-0.326 χ^2/NDF: 5733853.9/65

In: 1808.151+/-0.221 χ^2/NDF:8109718.5/53

Out: 1794.257+/-0.217 χ^2/NDF:9666774.2/59

All: 1801.081+/-0.155 χ^2/NDF: 17778499.1/1



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: 69.881+/-40.809 χ^2/NDF: 47.3/34

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

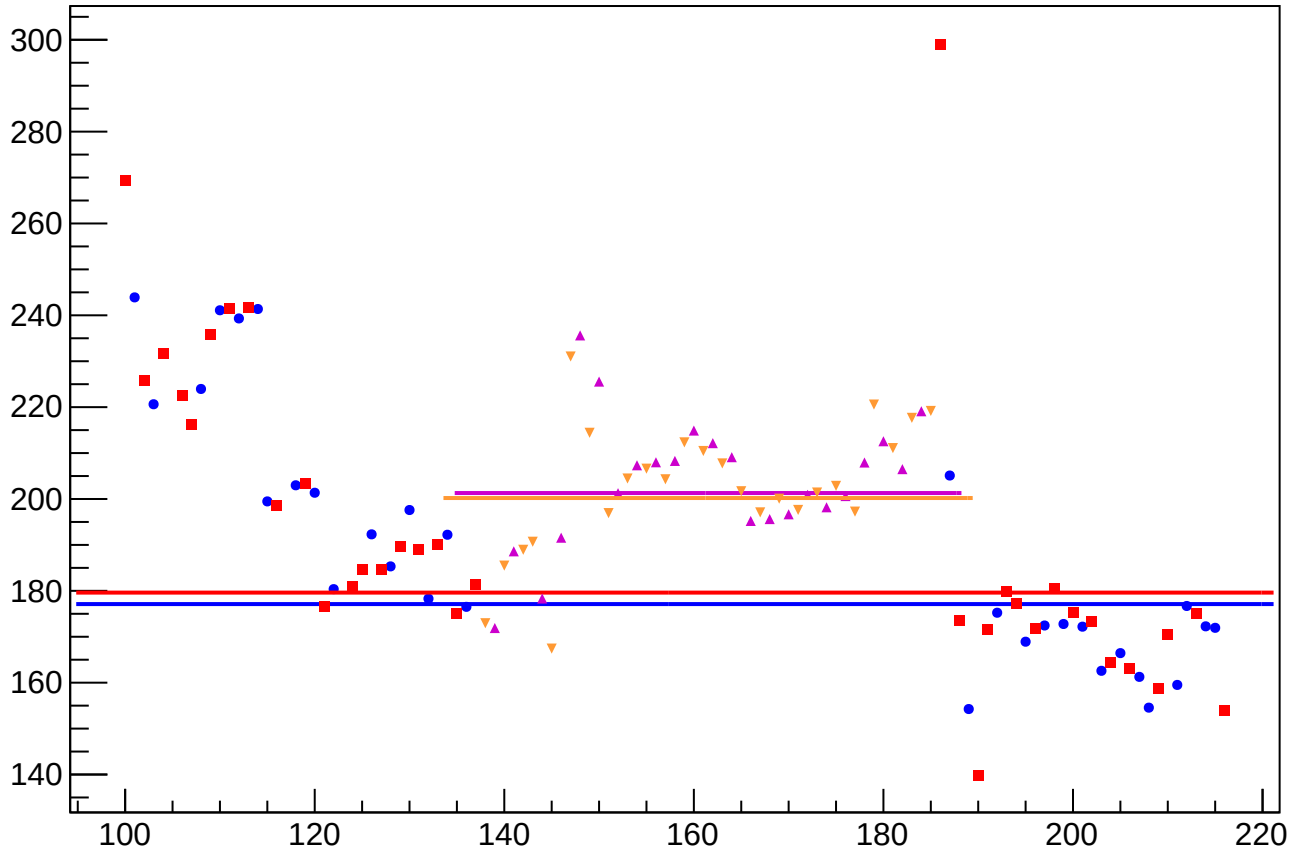
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 42.131+/-28.788 χ^2/NDF: 82.5/65

In: -85.313+/-30.772 χ^2/NDF:72.2/53

Out: -90.698+/-30.414 χ^2/NDF:118.5/59

All: -88.037+/-21.631 χ^2/NDF: 190.7/113



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: 179.615+/-0.029 χ^2/NDF: 676607.6/34

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

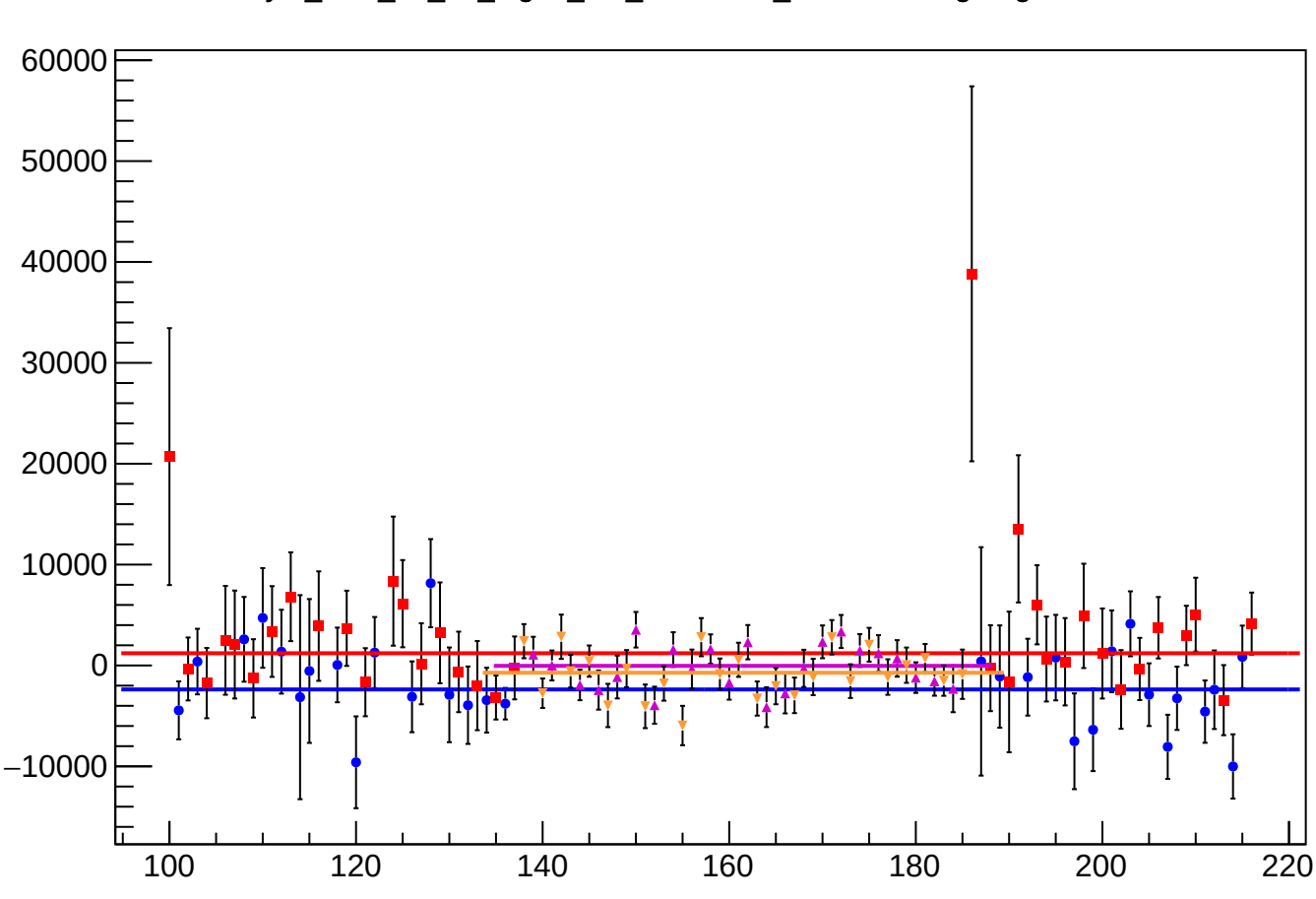
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 178.359+/-0.020 χ^2/NDF: 1185946.7/65

In: 187.418+/-0.022 χ^2/NDF:989222.0/53

Out: 188.771+/-0.022 χ^2/NDF:1107460.4/59

All: 188.102+/-0.015 χ^2/NDF: 2098639.0/113



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: 1211.637+/-667.223 χ^2/NDF: 30.1/34

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

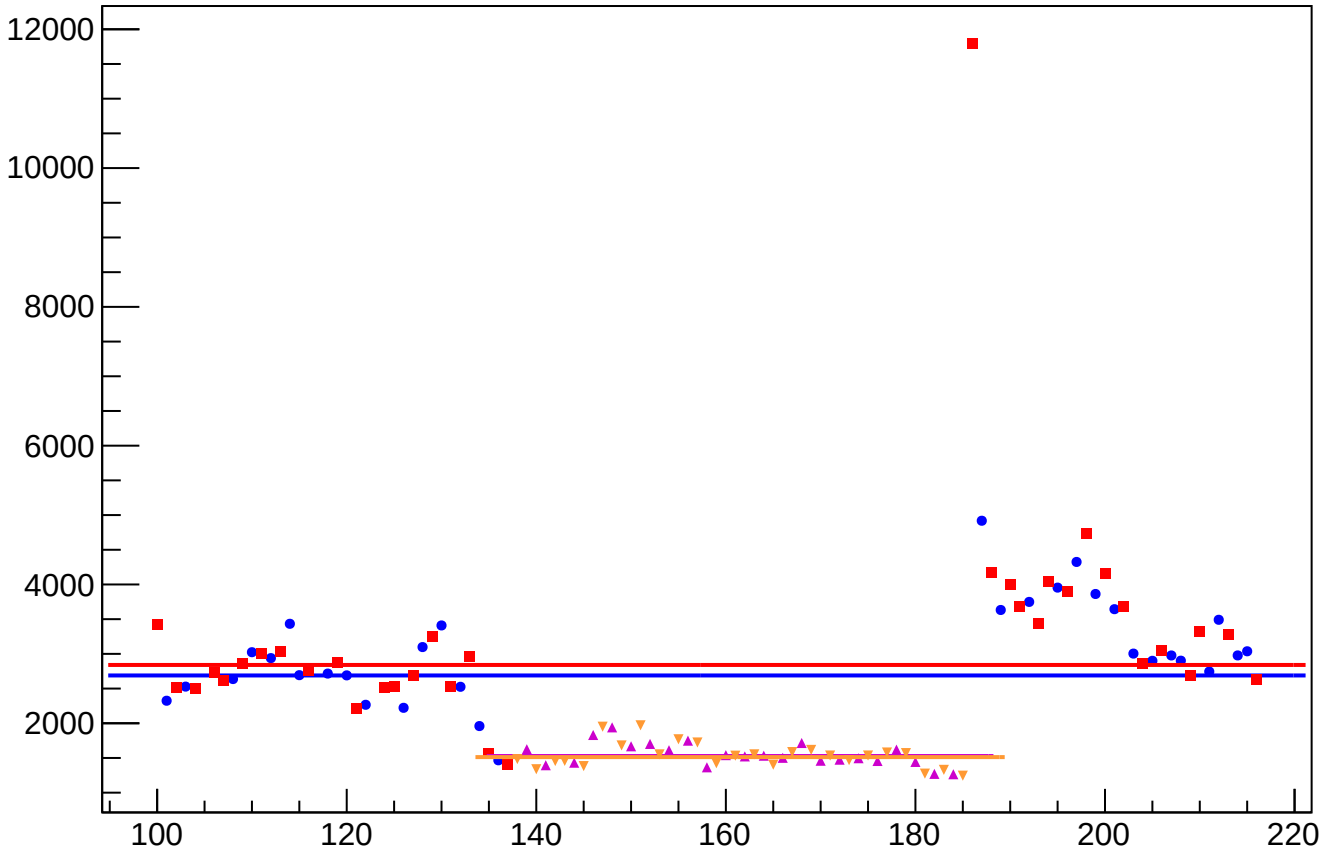
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -665.593+/-460.726 χ^2/NDF: 80.3/65

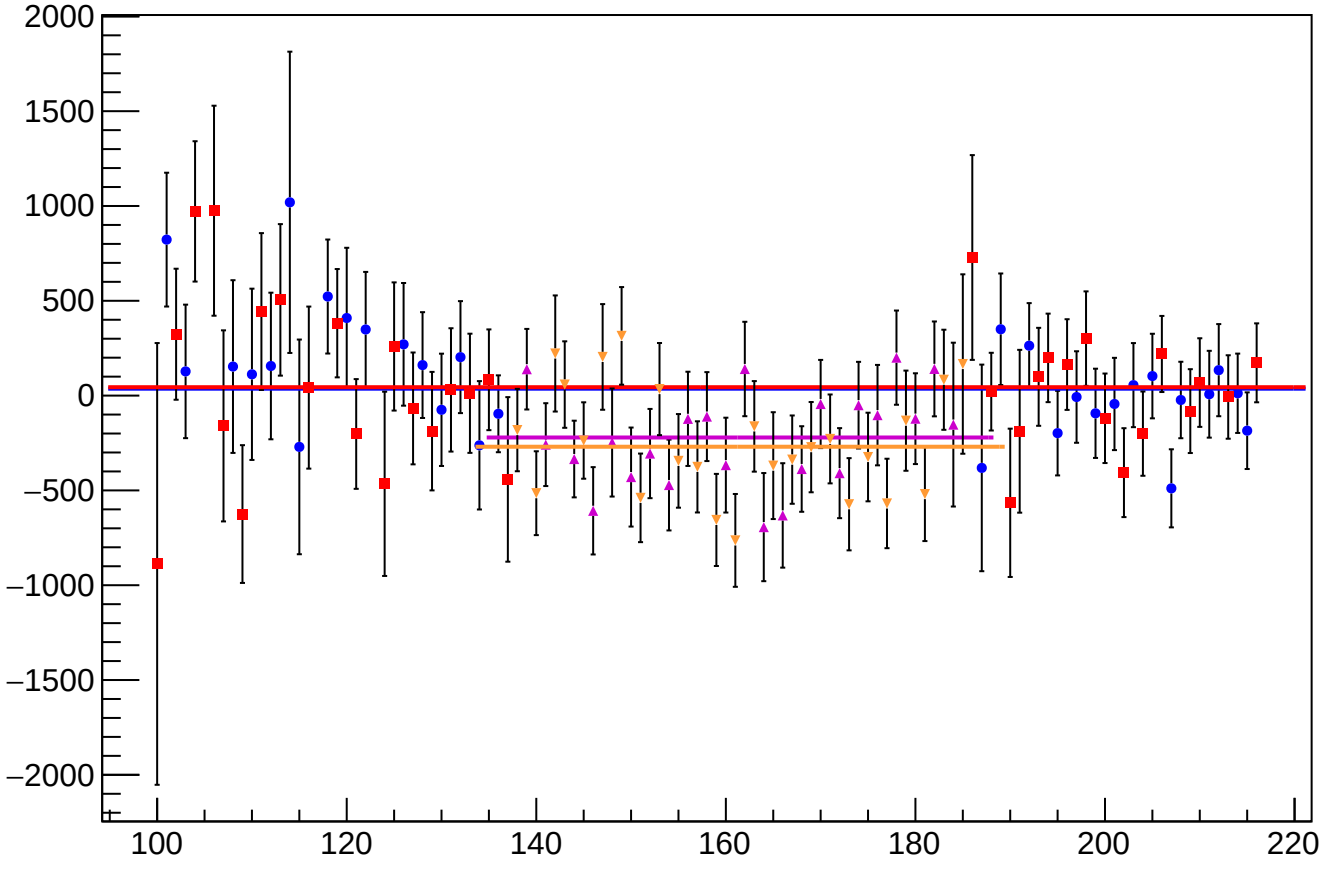
In: -603.339+/-312.922 χ^2/NDF:79.7/53

Out: -310.495+/-307.420 χ^2/NDF:75.0/59

All: -454.320+/-219.298 χ^2/NDF: 155.1/113


asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 2688.875+/-0.450 χ²/NDF: 2695696.2/30
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2840.252+/-0.472 χ²/NDF: 2984296.9/34
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
Left: 1519.880+/-0.176 χ²/NDF: 818358.6/47
Right: 2761.052+/-0.326 χ²/NDF: 5733853.9/65
In: 1808.151+/-0.221 χ²/NDF:8109718.5/53
Out: 1794.257+/-0.217 χ²/NDF:9666774.2/59
All: 1801.081+/-0.155 χ²/NDF: 17778499.1/1

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: 44.264+/-48.991 χ^2/NDF: 34.9/34

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

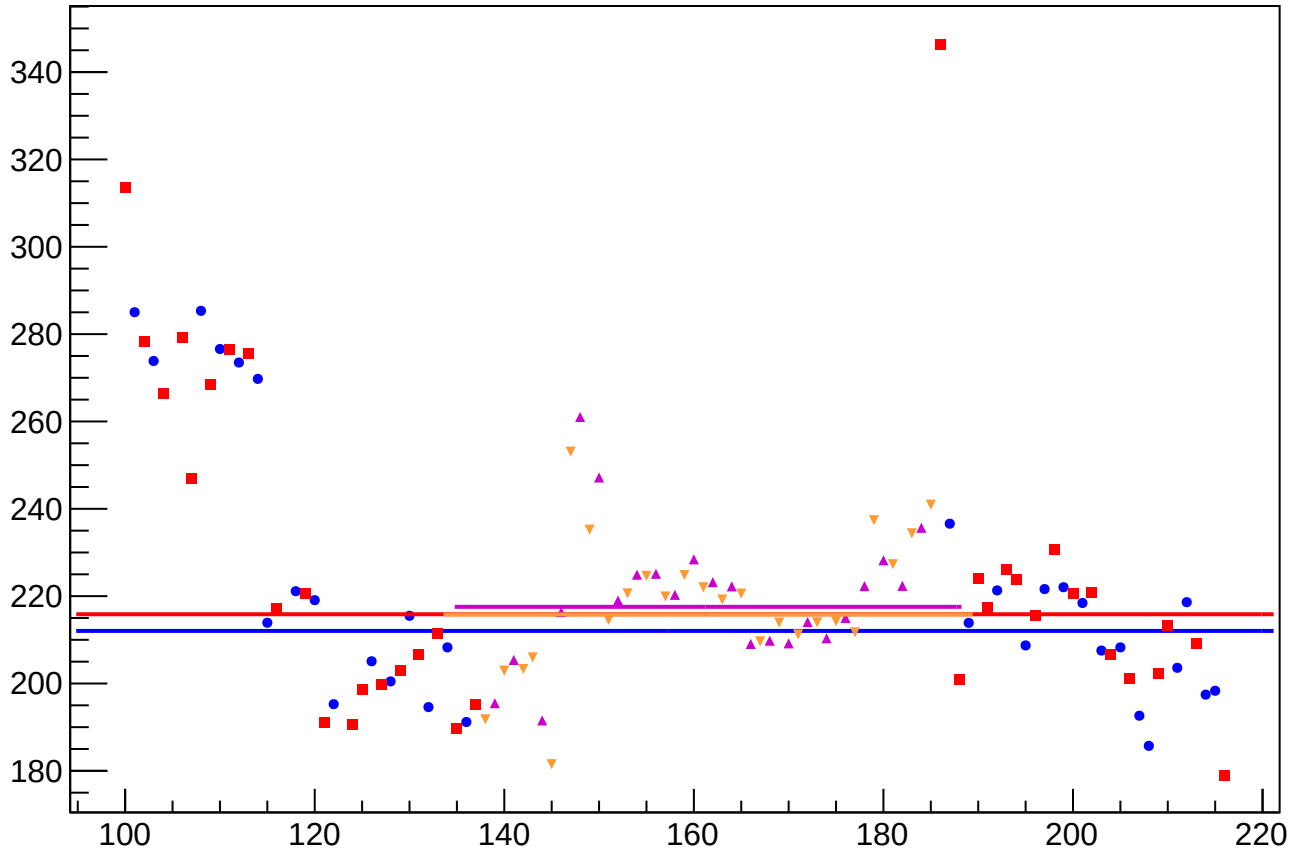
Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

Right: 40.366+/-34.496 χ^2/NDF: 61.4/65

In: -86.062+/-35.162 χ^2/NDF:63.2/53

Out: -112.174+/-34.701 χ^2/NDF:86.8/59

All: -99.290+/-24.699 χ^2/NDF: 150.4/113



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: 215.857+/-0.035 χ^2/NDF: 569859.7/34

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

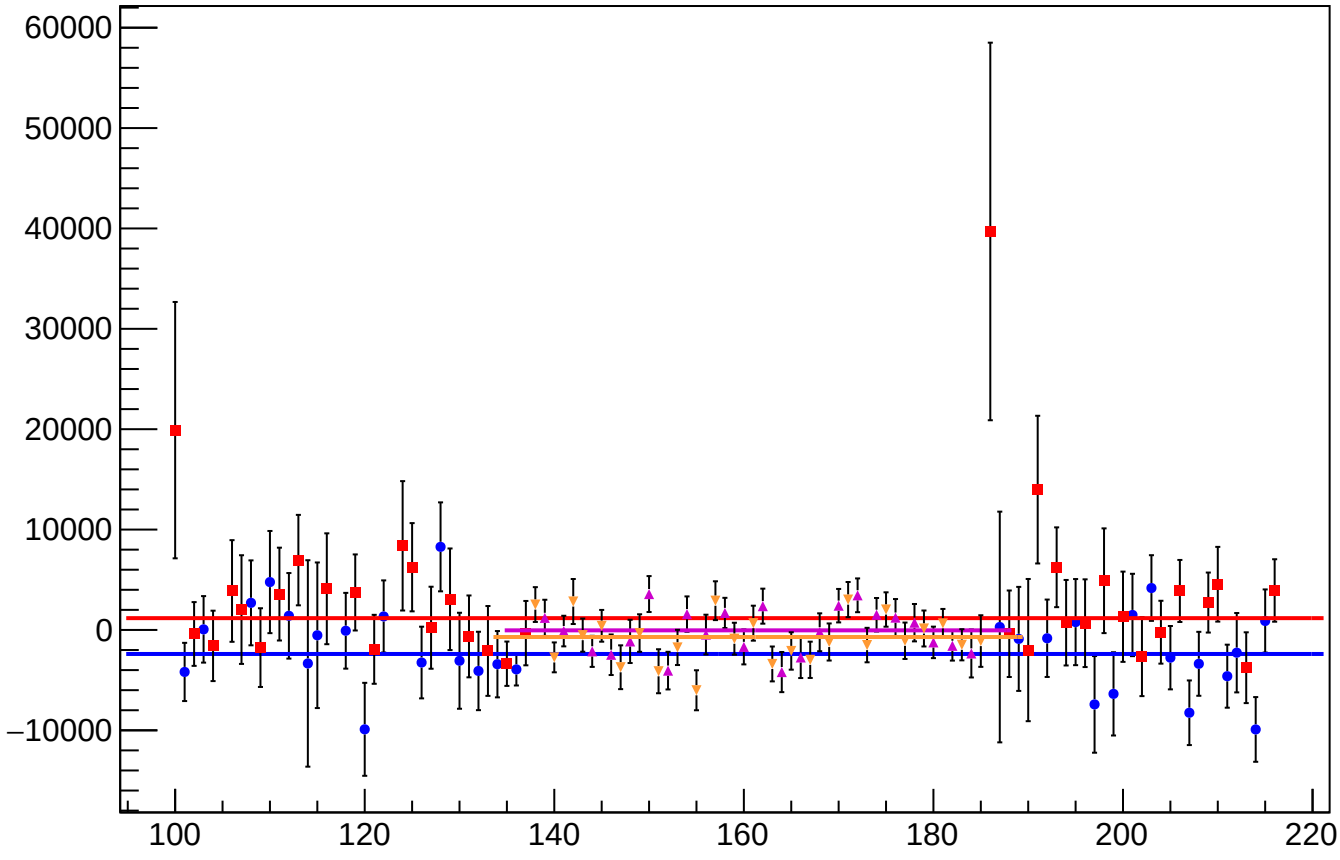
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

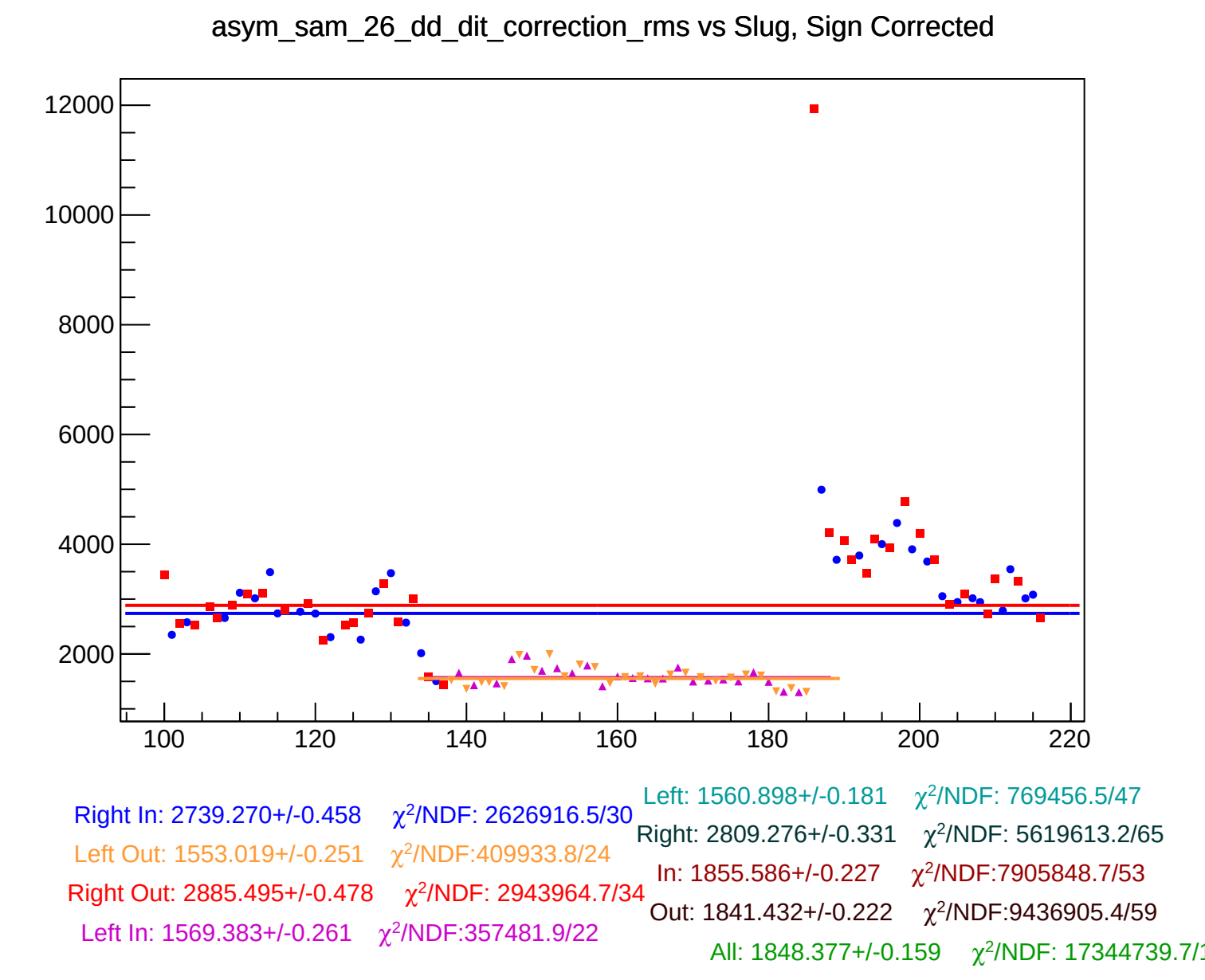
Right: 213.933+/-0.024 χ^2/NDF: 1011156.1/65

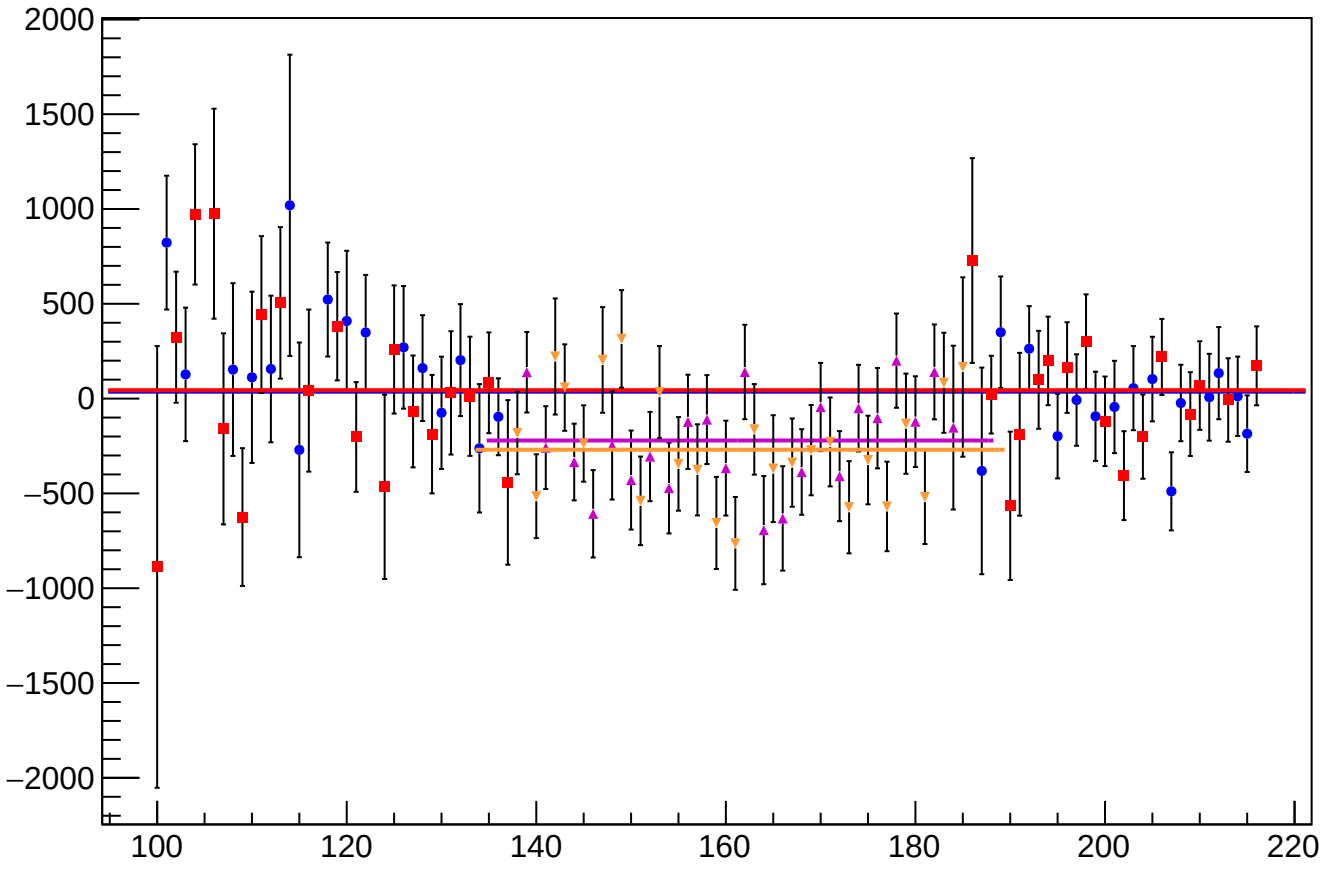
In: 214.667+/-0.025 χ^2/NDF:608510.8/53

Out: 215.832+/-0.025 χ^2/NDF:758560.0/59

All: 215.257+/-0.017 χ^2/NDF: 1368183.5/113


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -2393.904+/-648.170 χ²/NDF: 34.6/30
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 1175.264+/-676.314 χ²/NDF: 30.8/34
Left In: -39.658+/-368.873 χ²/NDF:34.3/22
Left: -384.132+/-255.960 χ²/NDF: 73.6/47
Right: -685.130+/-467.959 χ²/NDF: 79.9/65
In: -615.605+/-320.593 χ²/NDF:78.9/53
Out: -297.244+/-314.649 χ²/NDF:74.4/59
All: -453.446+/-224.563 χ²/NDF: 153.9/113


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: 2885.495+/-0.478 χ²/NDF: 2943964.7/34
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2809.276+/-0.331 χ²/NDF: 5619613.2/65
In: 1855.586+/-0.227 χ²/NDF:7905848.7/53
Out: 1841.432+/-0.222 χ²/NDF:9436905.4/59
All: 1848.377+/-0.159 χ²/NDF: 17344739.7/



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: 44.264+/-48.991 χ^2/NDF: 34.9/34

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

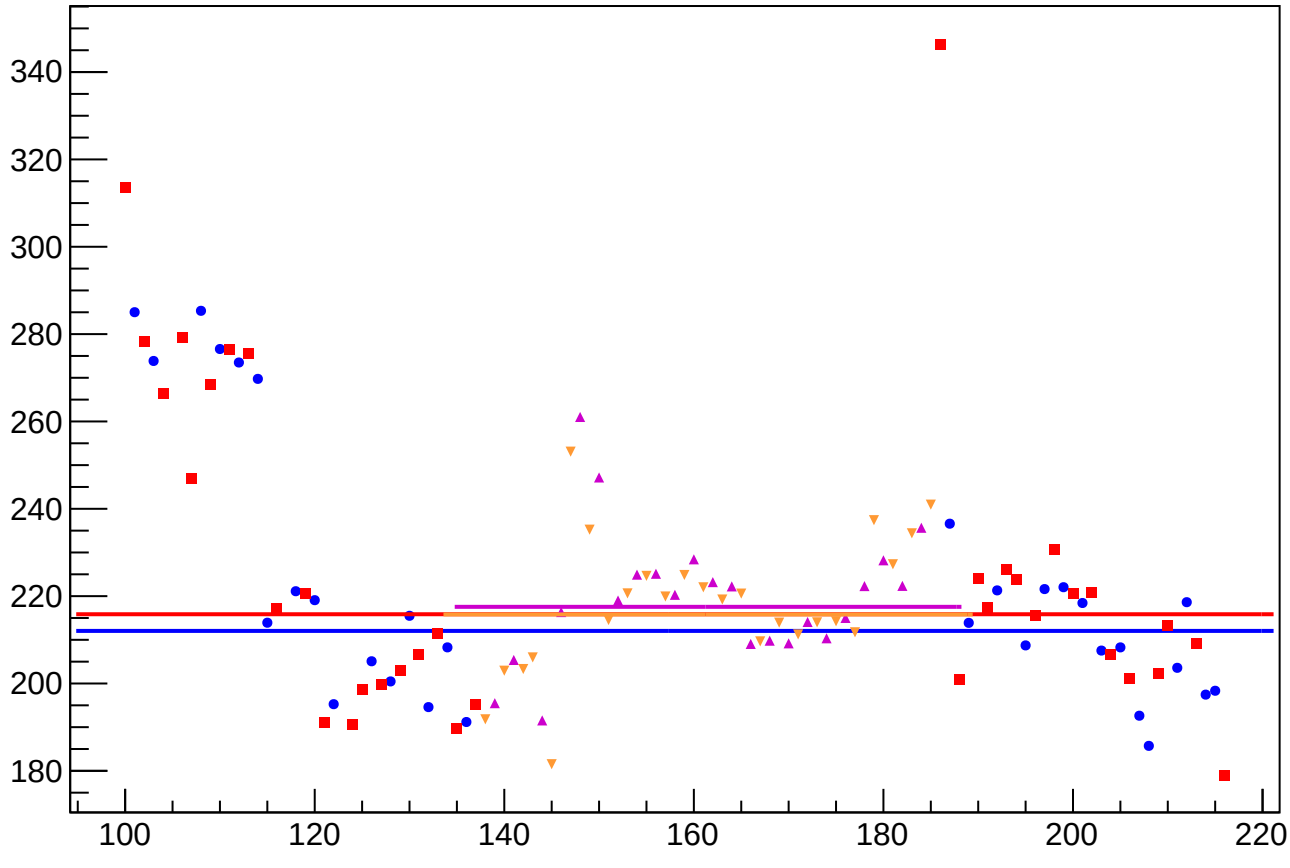
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 40.367+/-34.496 χ^2/NDF: 61.4/65

In: -86.060+/-35.162 χ^2/NDF:63.2/53

Out: -112.175+/-34.701 χ^2/NDF:86.8/59

All: -99.290+/-24.698 χ^2/NDF: 150.4/113



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: 215.857+/-0.035 χ^2/NDF: 569837.8/34

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

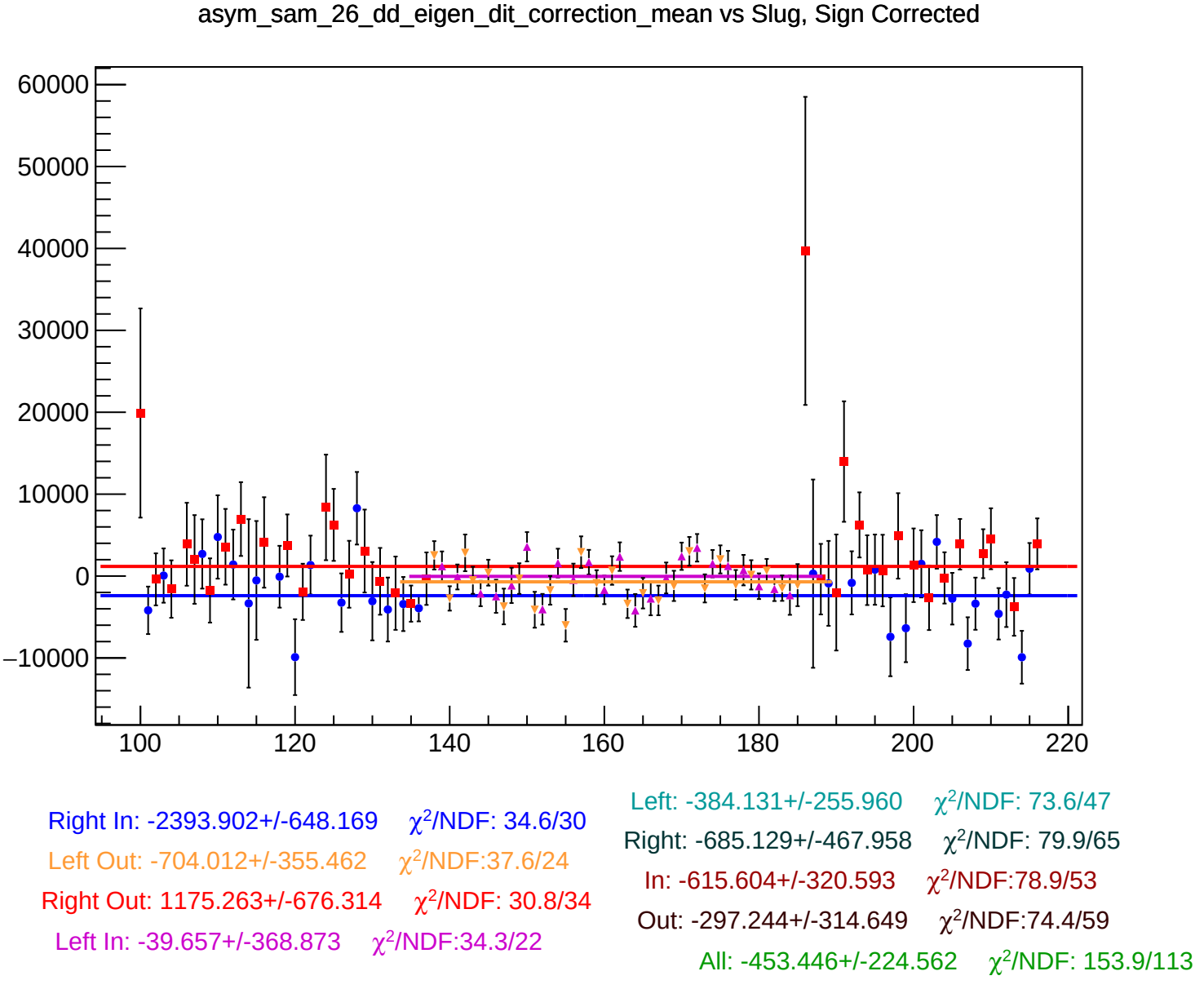
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

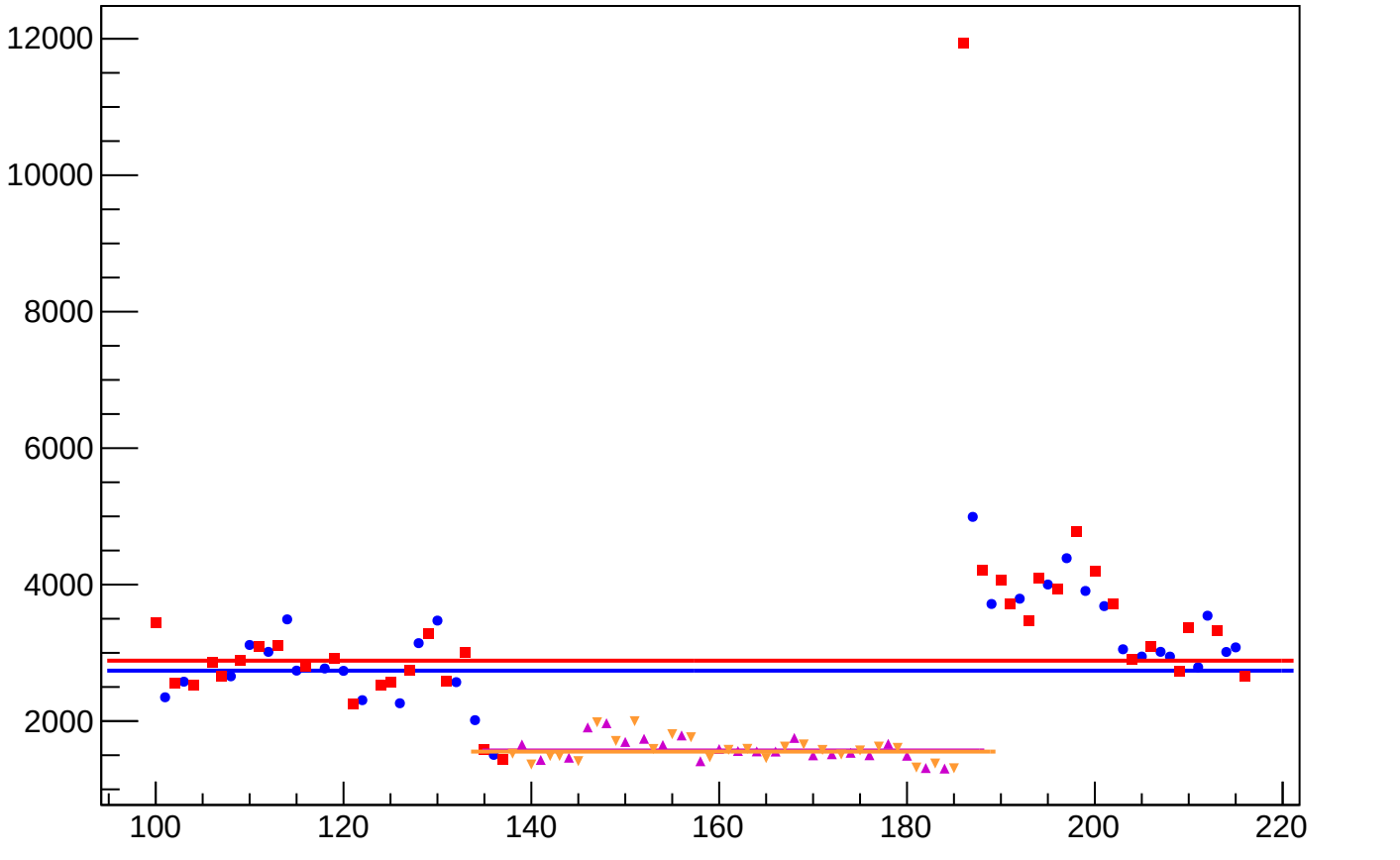
Right: 213.933+/-0.024 χ^2/NDF: 1011124.5/65

In: 214.666+/-0.025 χ^2/NDF:608504.0/53

Out: 215.832+/-0.025 χ^2/NDF:758542.3/59

All: 215.257+/-0.017 χ^2/NDF: 1368159.3/113


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
220
Right In: -2393.902+/-648.169 χ²/NDF: 34.6/30
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 1175.263+/-676.314 χ²/NDF: 30.8/34
Left In: -39.657+/-368.873 χ²/NDF:34.3/22
Left: -384.131+/-255.960 χ²/NDF: 73.6/47
Right: -685.129+/-467.958 χ²/NDF: 79.9/65
In: -615.604+/-320.593 χ²/NDF:78.9/53
Out: -297.244+/-314.649 χ²/NDF:74.4/59
All: -453.446+/-224.562 χ²/NDF: 153.9/113



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: 2885.493+/-0.478 χ^2/NDF: 2943966.9/34

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

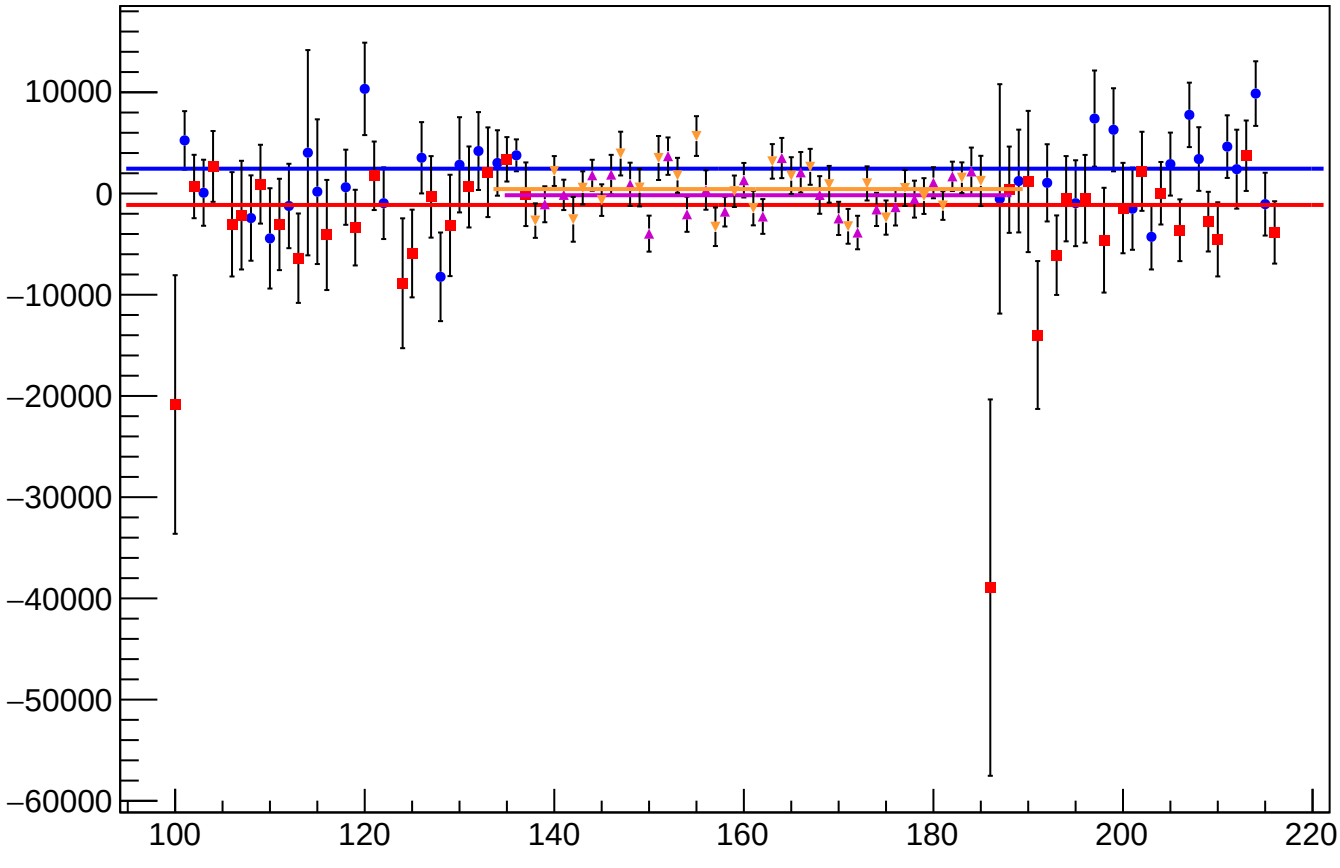
Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

Right: 2809.274+/-0.331 χ^2/NDF: 5619614.5/65

In: 1855.586+/-0.227 χ^2/NDF:7905838.0/53

Out: 1841.433+/-0.222 χ^2/NDF:9436893.0/59

All: 1848.377+/-0.159 χ^2/NDF: 17344716.5/1



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: -1130.675+/-668.603 χ^2/NDF: 30.3/34

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

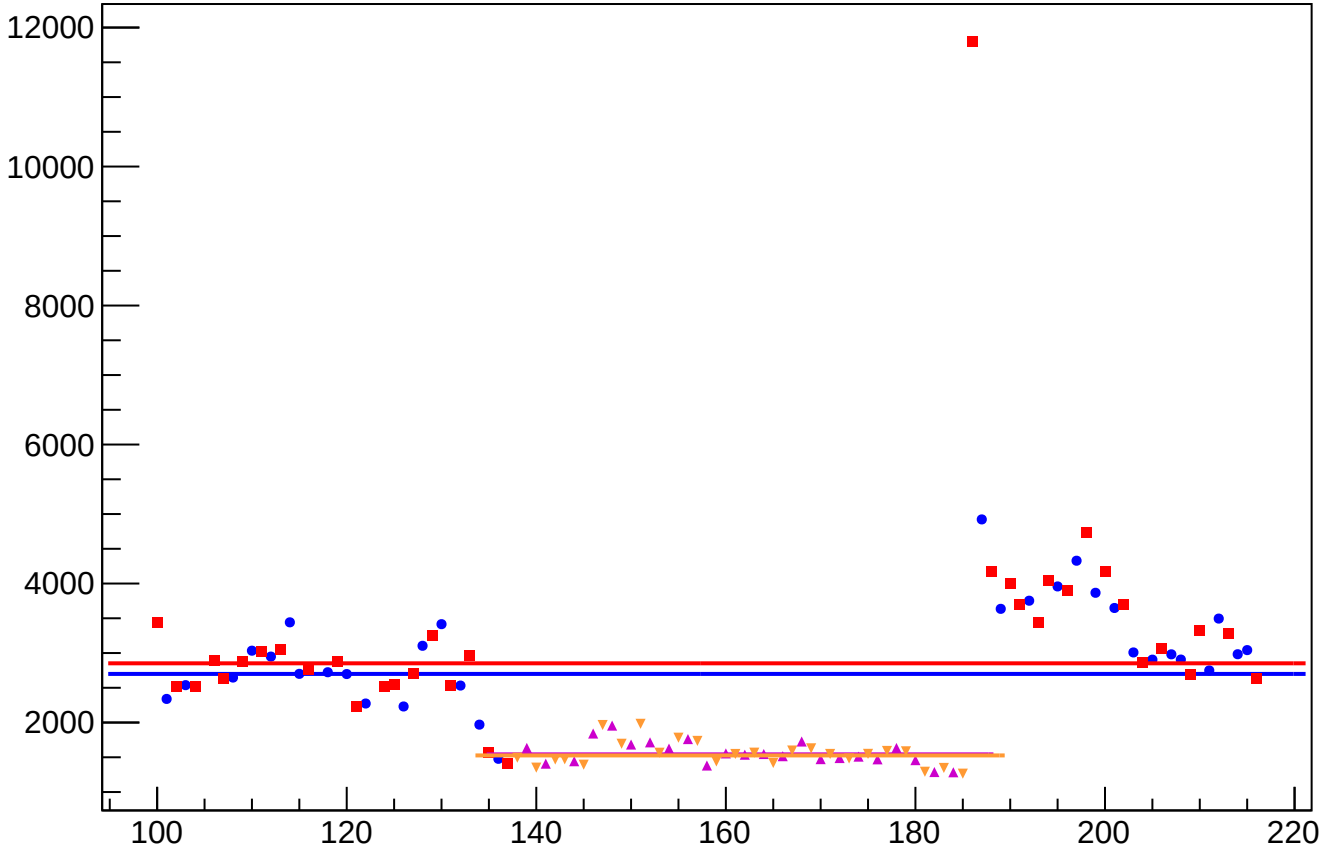
Right: 742.133+/-461.978 χ^2/NDF: 80.3/65

In: 468.810+/-315.340 χ^2/NDF:80.8/53

Out: 100.853+/-309.792 χ^2/NDF:73.5/59

All: 281.566+/-220.991 χ^2/NDF: 154.9/113

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: 2852.054+/-0.473 χ^2/NDF: 2950796.1/34

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

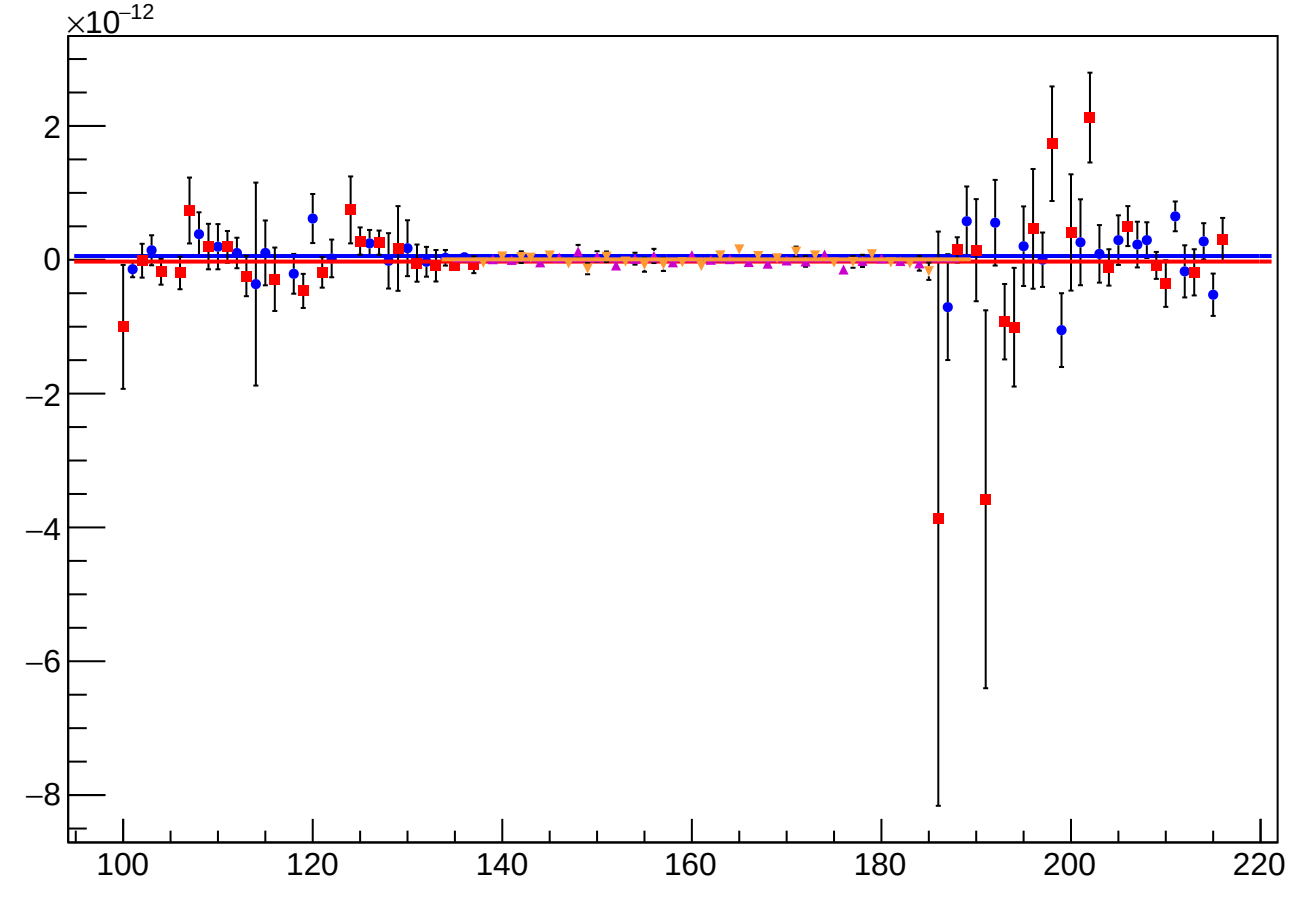
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2772.307+/-0.327 χ^2/NDF: 5659066.6/65

In: 1824.013+/-0.223 χ^2/NDF:7977040.7/53

Out: 1811.255+/-0.219 χ^2/NDF:9551662.1/59

All: 1817.521+/-0.156 χ^2/NDF: 17530368.7/1



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: 46.0/34

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

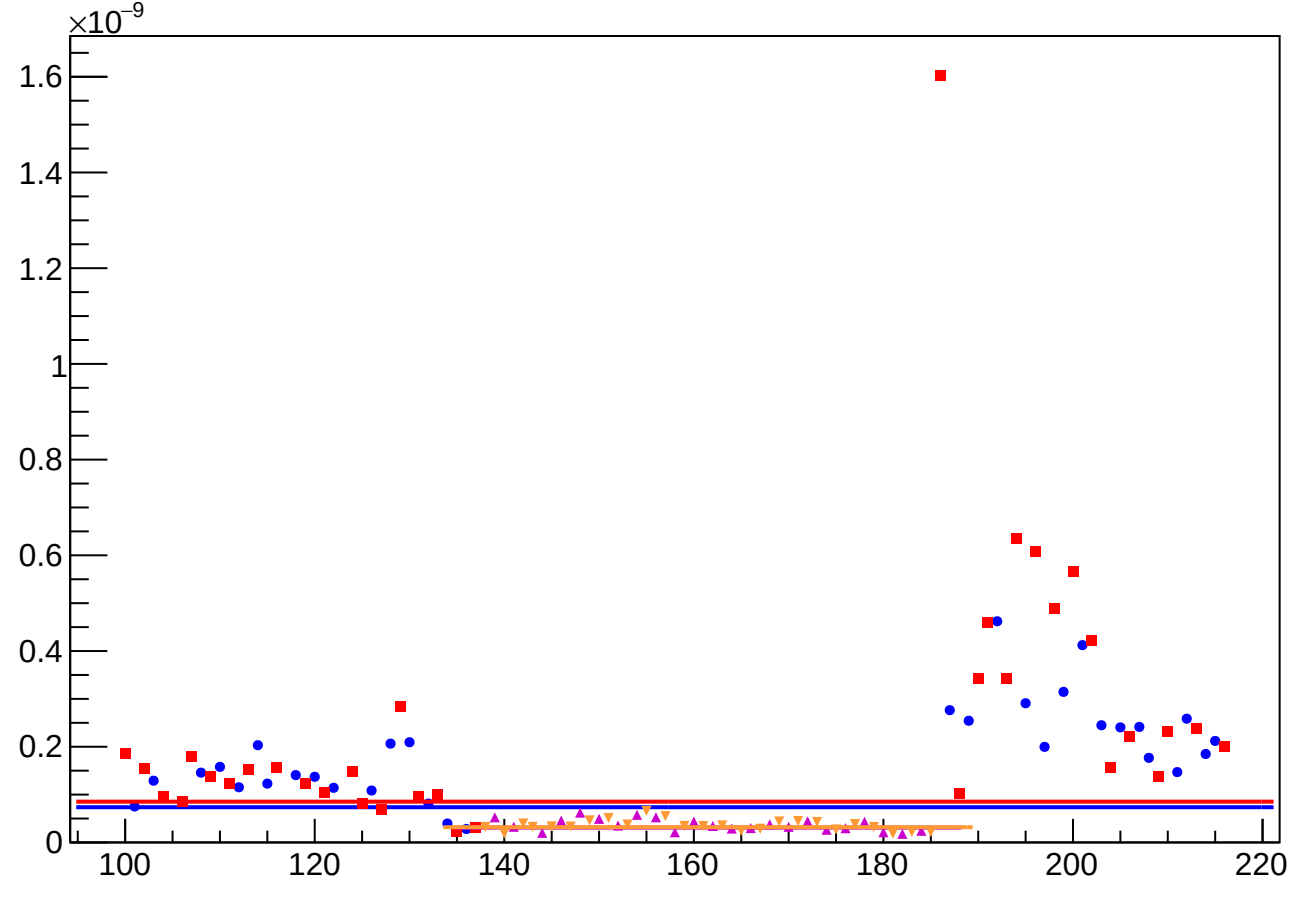
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 76.9/65

In: -0.000+/-0.000 χ^2/NDF:48.6/53

Out: 0.000+/-0.000 χ^2/NDF:77.5/59

All: 0.000+/-0.000 χ^2/NDF: 126.2/113



Right In: 0.000+/-0.000 χ^2/NDF: 8616120.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8635403.5/34

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

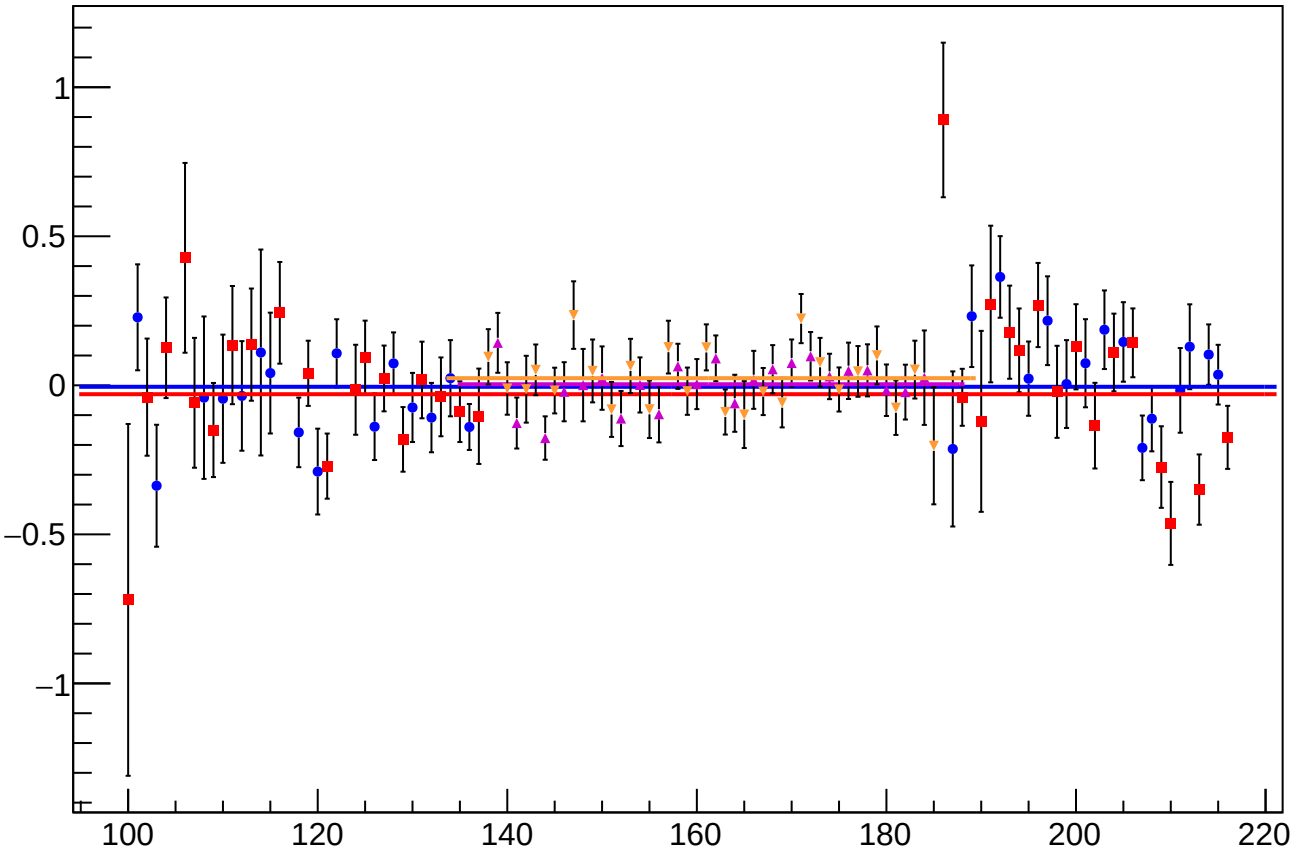
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17351996.0/65

In: 0.000+/-0.000 χ^2/NDF:12969404.4/53

Out: 0.000+/-0.000 χ^2/NDF:13244097.9/59

All: 0.000+/-0.000 χ^2/NDF: 26214317.8/113



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: -0.030+/-0.024 χ^2/NDF: 66.7/34

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

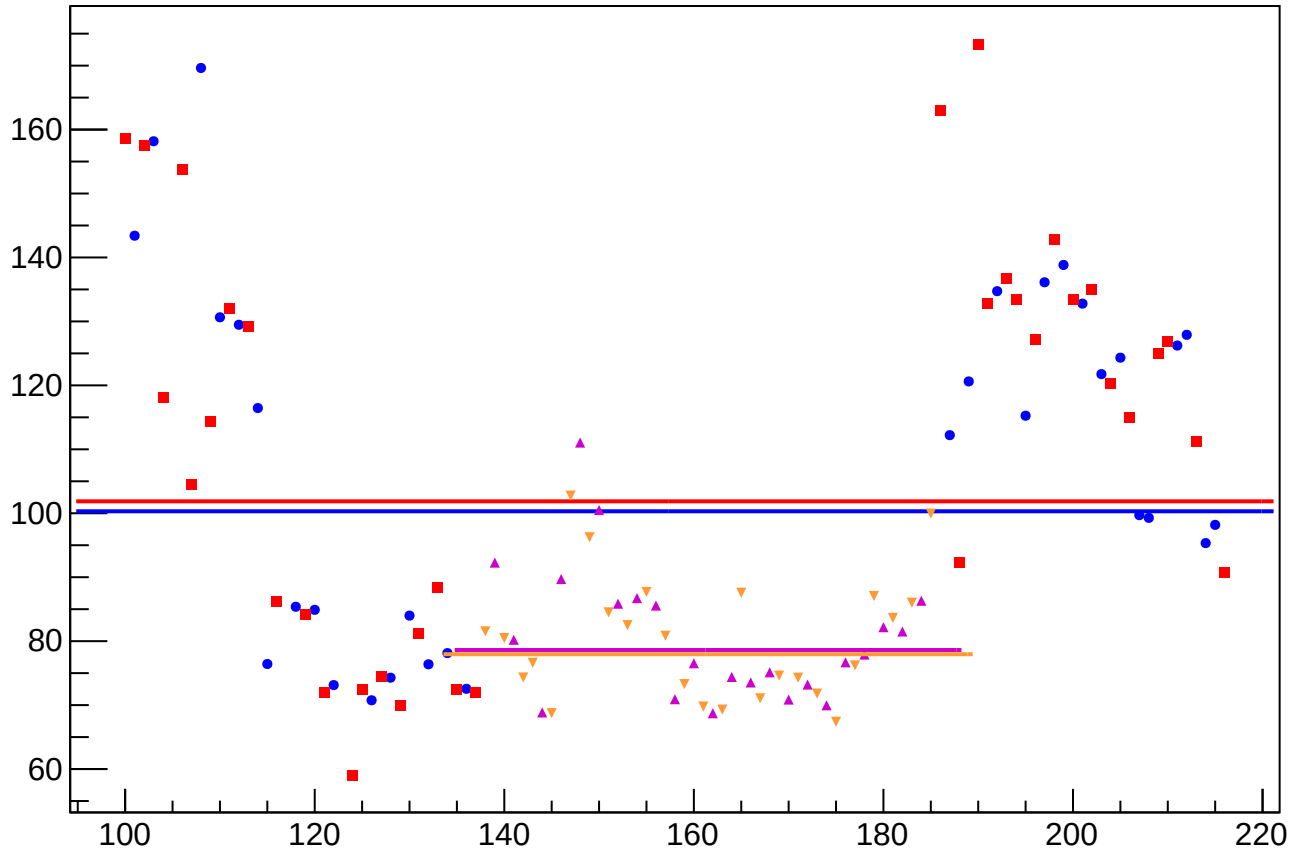
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.017+/-0.017 χ^2/NDF: 107.2/65

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: 0.005+/-0.014 χ^2/NDF:95.5/59

All: 0.003+/-0.010 χ^2/NDF: 154.4/113



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: 101.865+/-0.017 χ^2/NDF: 2551425.9/34

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

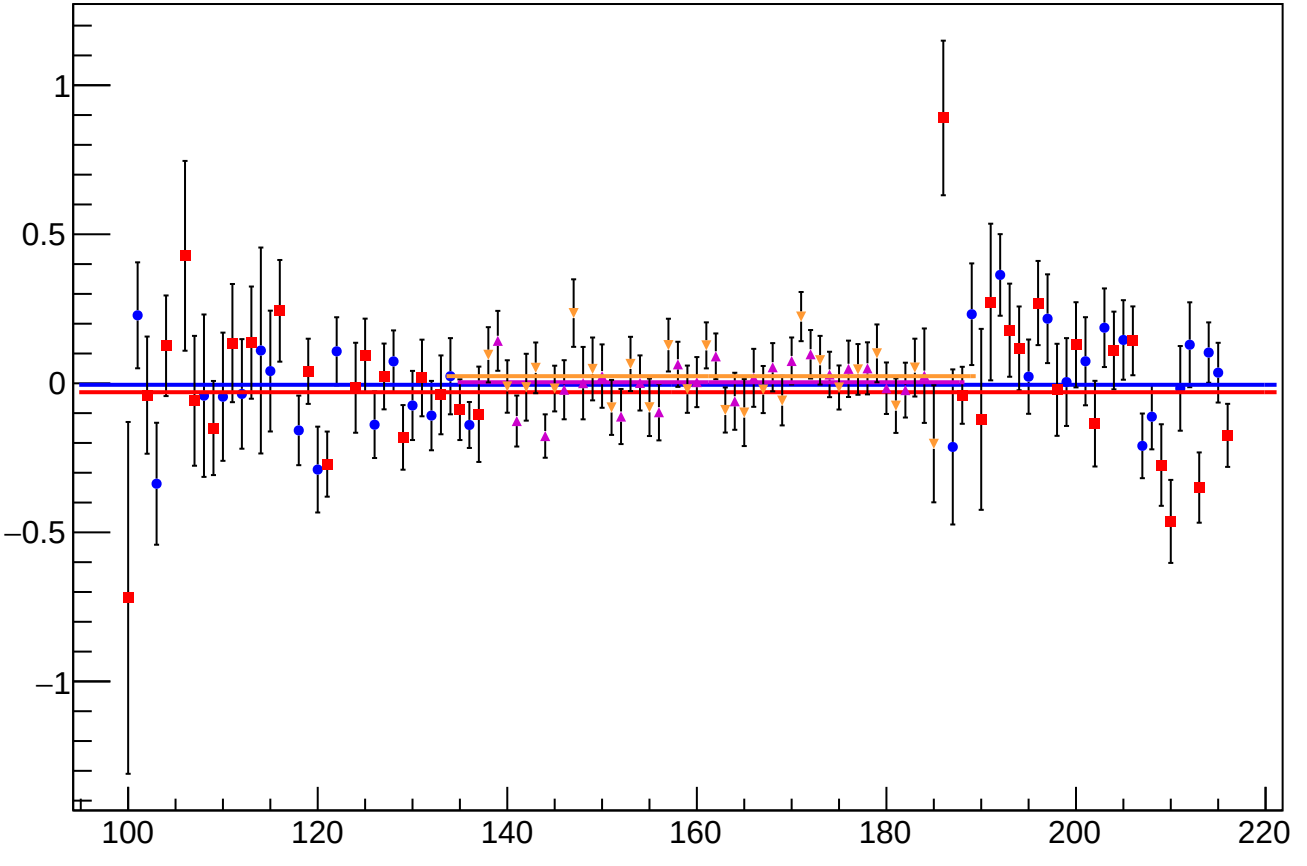
Right: 101.080+/-0.012 χ^2/NDF: 4764911.5/65

In: 86.874+/-0.010 χ^2/NDF:3746688.5/53

Out: 86.524+/-0.010 χ^2/NDF:4275865.4/59

All: 86.695+/-0.007 χ^2/NDF: 8023139.0/113

asym_sam_26_dd_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: -0.030+/-0.024 χ^2/NDF: 66.7/34

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

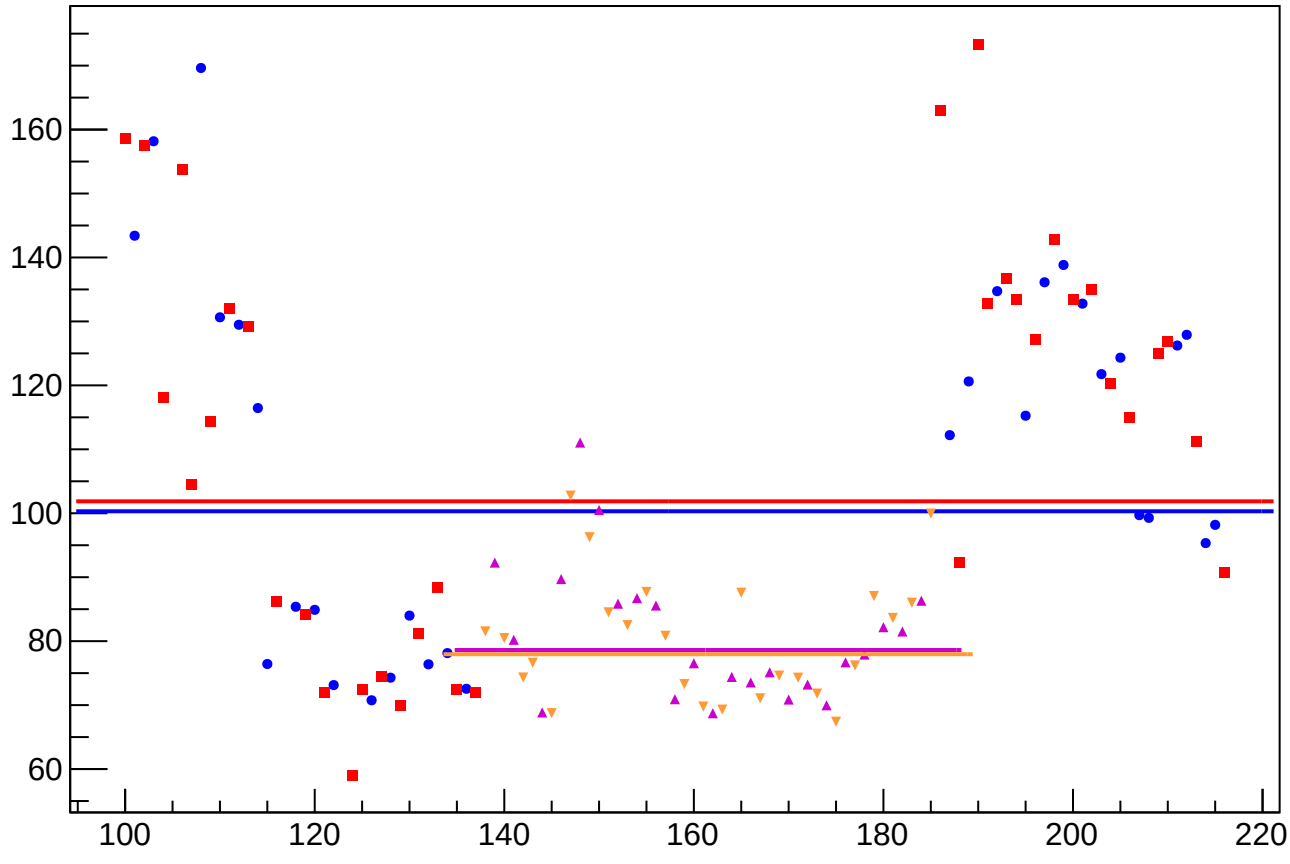
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.017+/-0.017 χ^2/NDF: 107.2/65

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: 0.005+/-0.014 χ^2/NDF:95.5/59

All: 0.003+/-0.010 χ^2/NDF: 154.4/113



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: 101.865+/-0.017 χ^2/NDF: 2551425.9/34

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

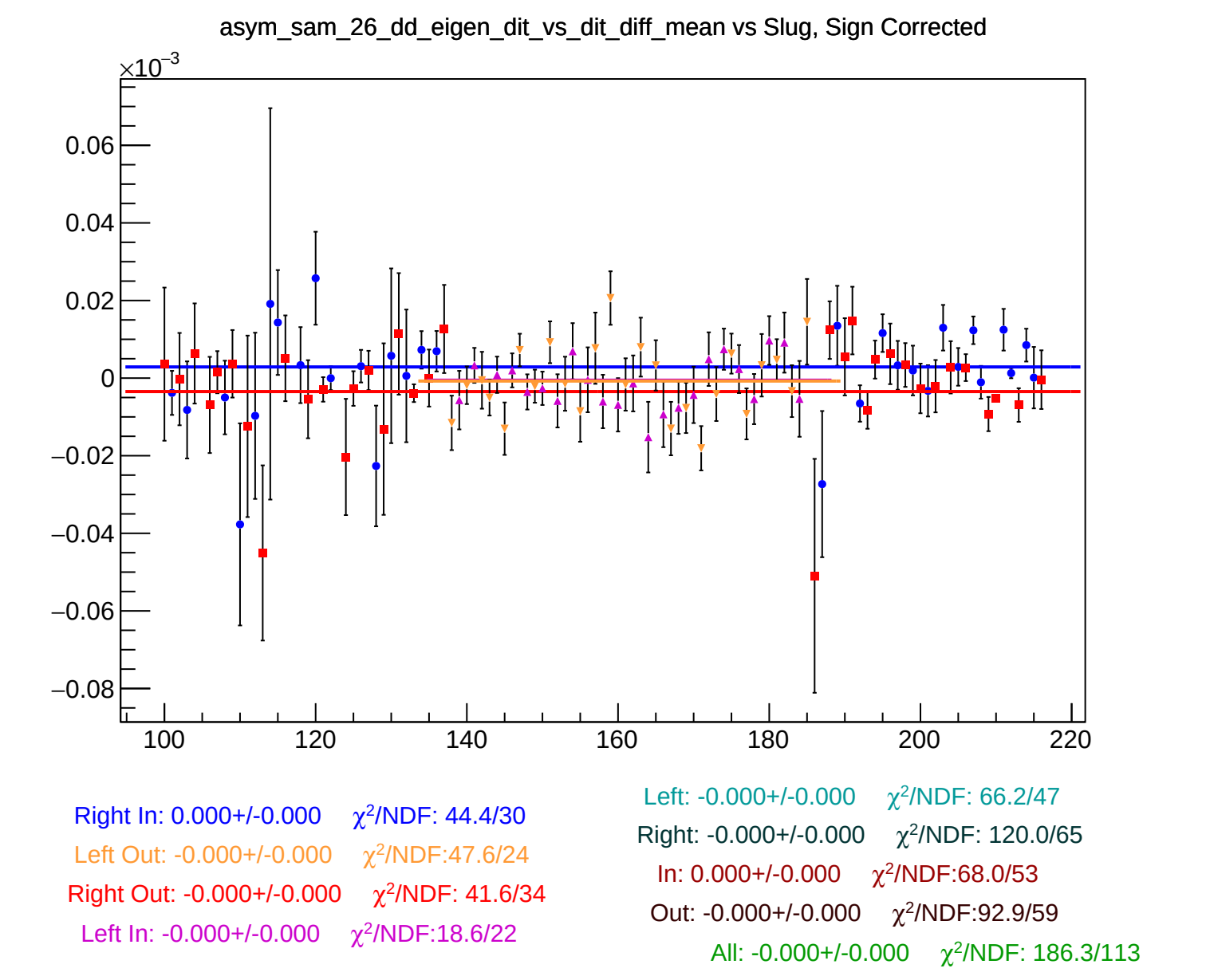
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 101.080+/-0.012 χ^2/NDF: 4764911.5/65

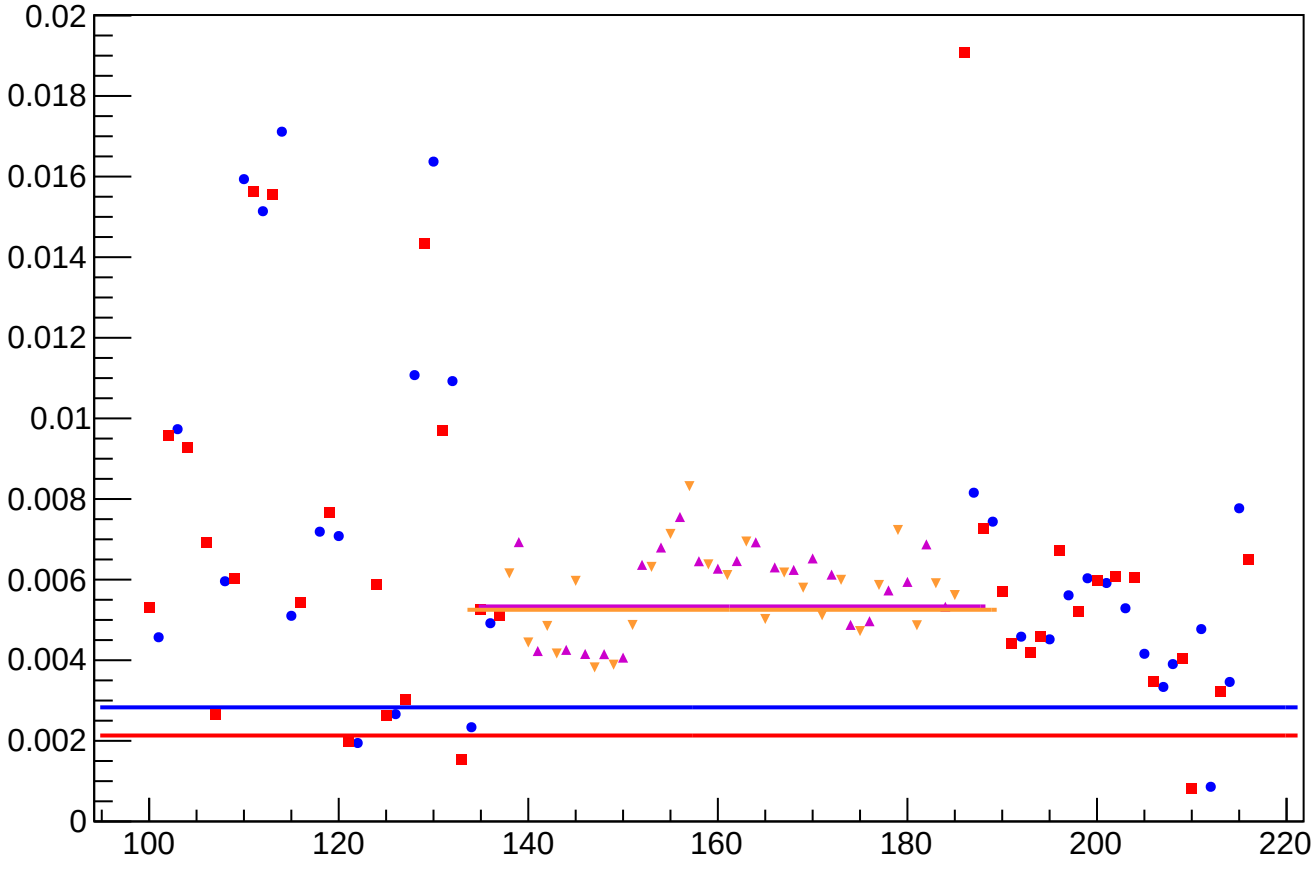
In: 86.874+/-0.010 χ^2/NDF:3746688.5/53

Out: 86.524+/-0.010 χ^2/NDF:4275865.4/59

All: 86.695+/-0.007 χ^2/NDF: 8023139.0/113


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: 41.6/34
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: 120.0/65
In: 0.000+/-0.000 χ²/NDF:68.0/53
Out: -0.000+/-0.000 χ²/NDF:92.9/59
All: -0.000+/-0.000 χ²/NDF: 186.3/113

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 18091693.6/34

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

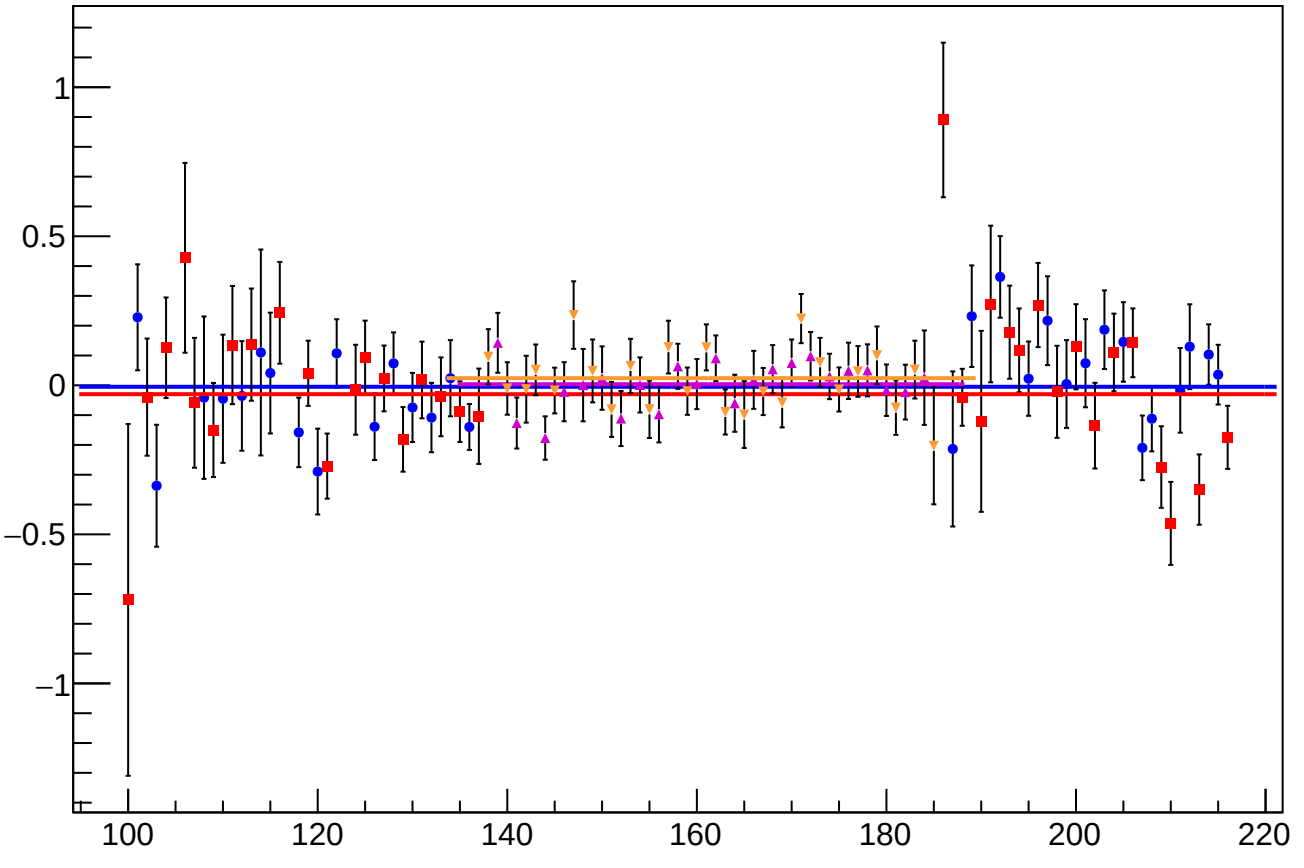
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.002+/-0.000 χ^2/NDF: 32895716.0/65

In: 0.004+/-0.000 χ^2/NDF:20805001.1/53

Out: 0.003+/-0.000 χ^2/NDF:29513195.8/59

All: 0.003+/-0.000 χ^2/NDF: 51529978.1/113



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: -0.030+/-0.024 χ^2/NDF: 66.7/34

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

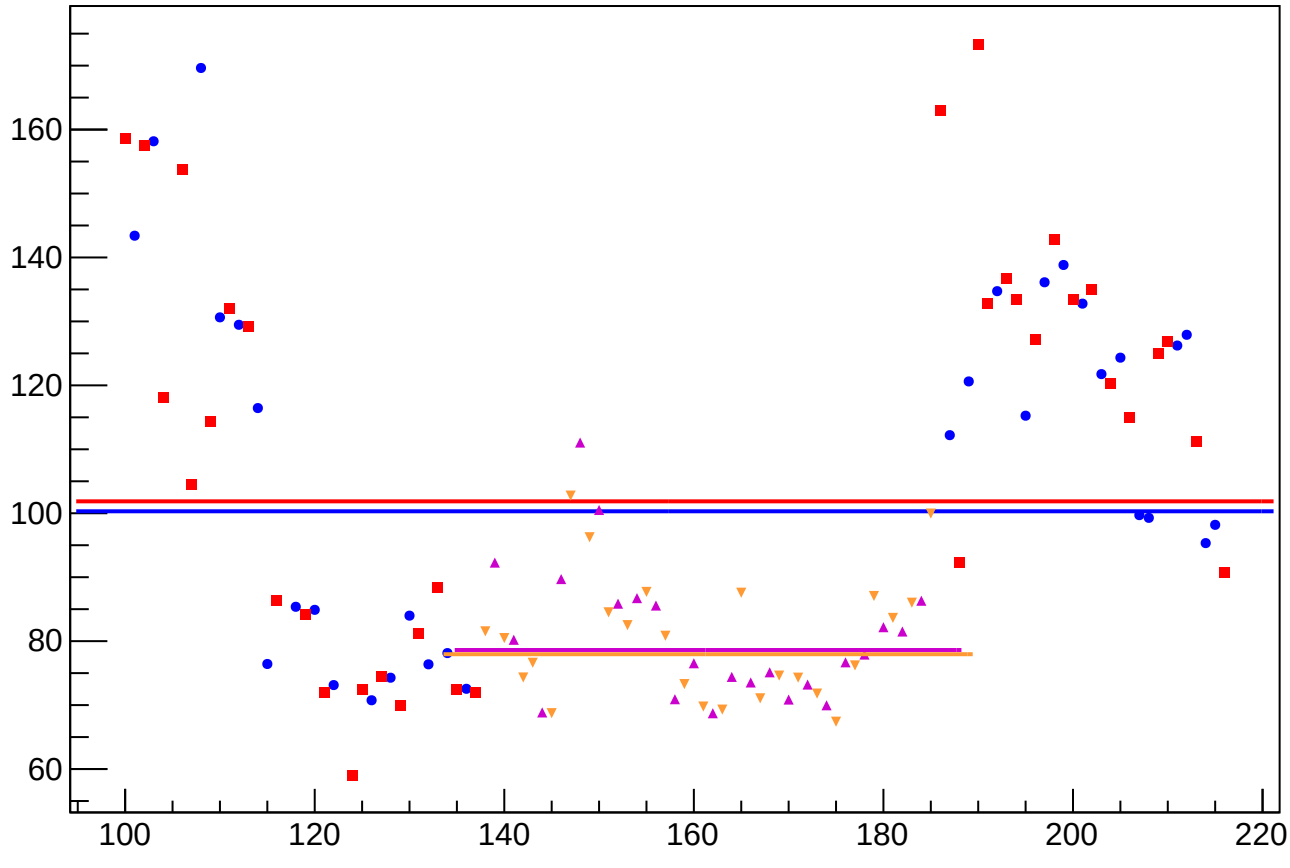
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.017+/-0.017 χ^2/NDF: 107.2/65

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: 0.005+/-0.014 χ^2/NDF:95.5/59

All: 0.003+/-0.010 χ^2/NDF: 154.4/113



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: 101.864+/-0.017 χ^2/NDF: 2551538.6/34

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

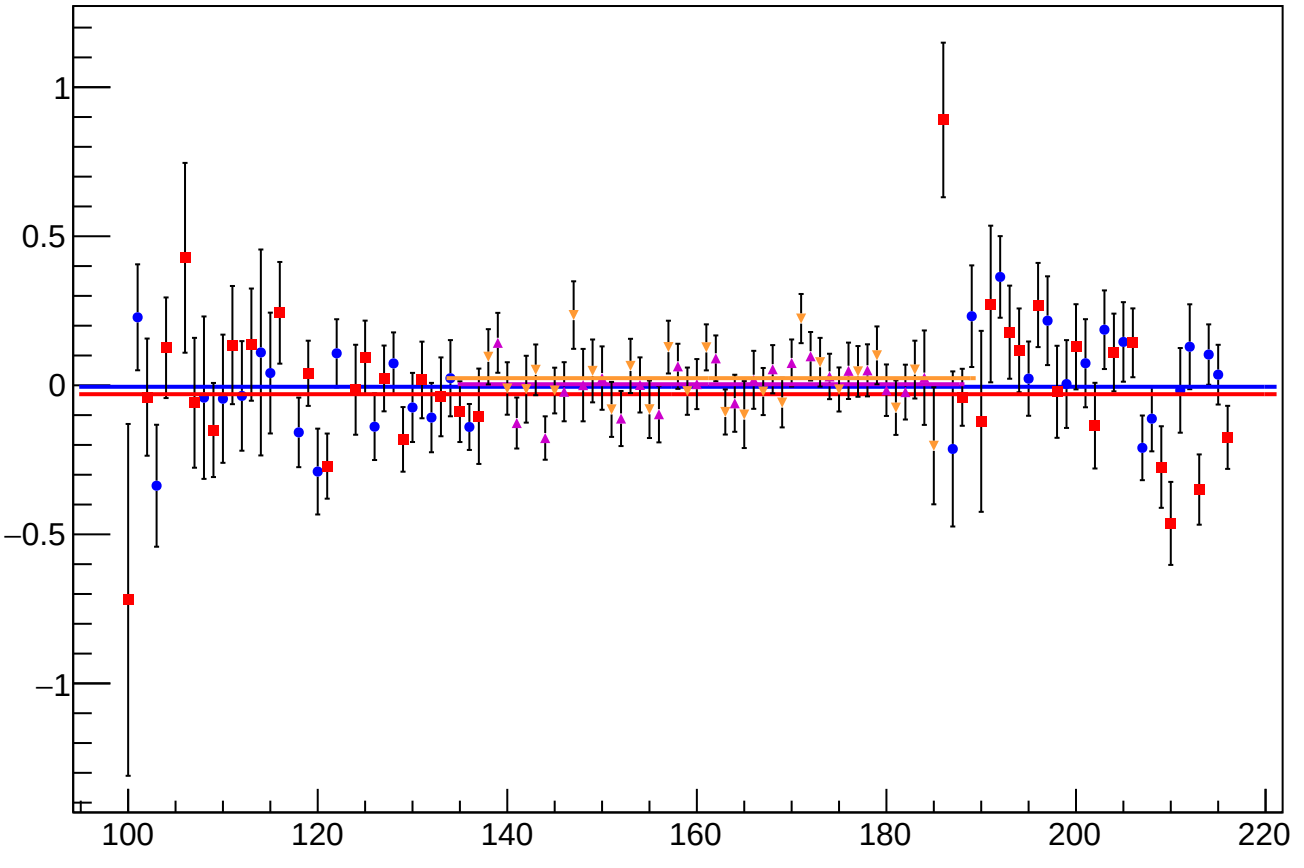
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 101.078+/-0.012 χ^2/NDF: 4765164.4/65

In: 86.873+/-0.010 χ^2/NDF:3746789.8/53

Out: 86.523+/-0.010 χ^2/NDF:4275920.8/59

All: 86.694+/-0.007 χ^2/NDF: 8023294.7/113



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: -0.030+/-0.024 χ^2/NDF: 66.7/34

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

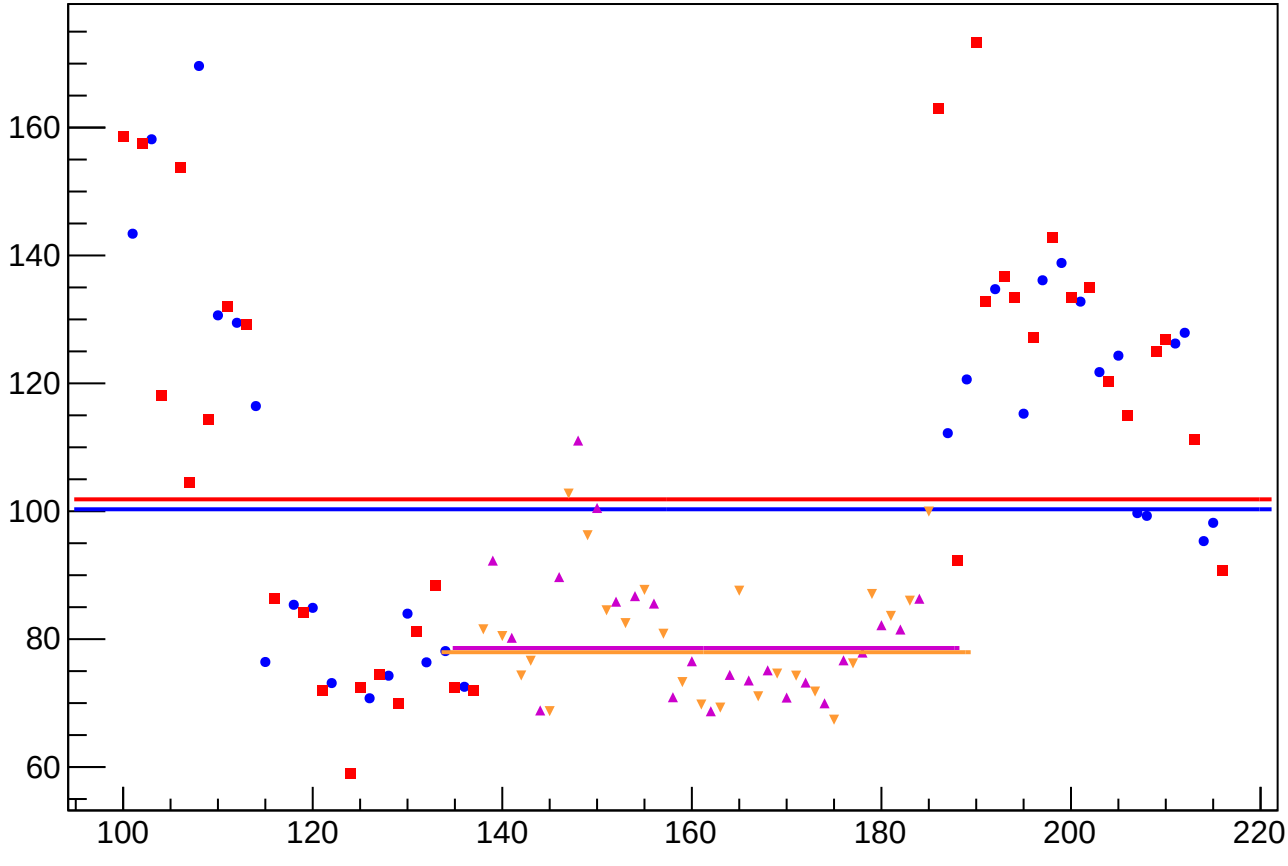
Right: -0.017+/-0.017 χ^2/NDF: 107.2/65

In: 0.000+/-0.015 χ^2/NDF:58.9/53

Out: 0.005+/-0.014 χ^2/NDF:95.5/59

All: 0.003+/-0.010 χ^2/NDF: 154.4/113

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: 101.864+/-0.017 χ^2/NDF: 2551538.6/34

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

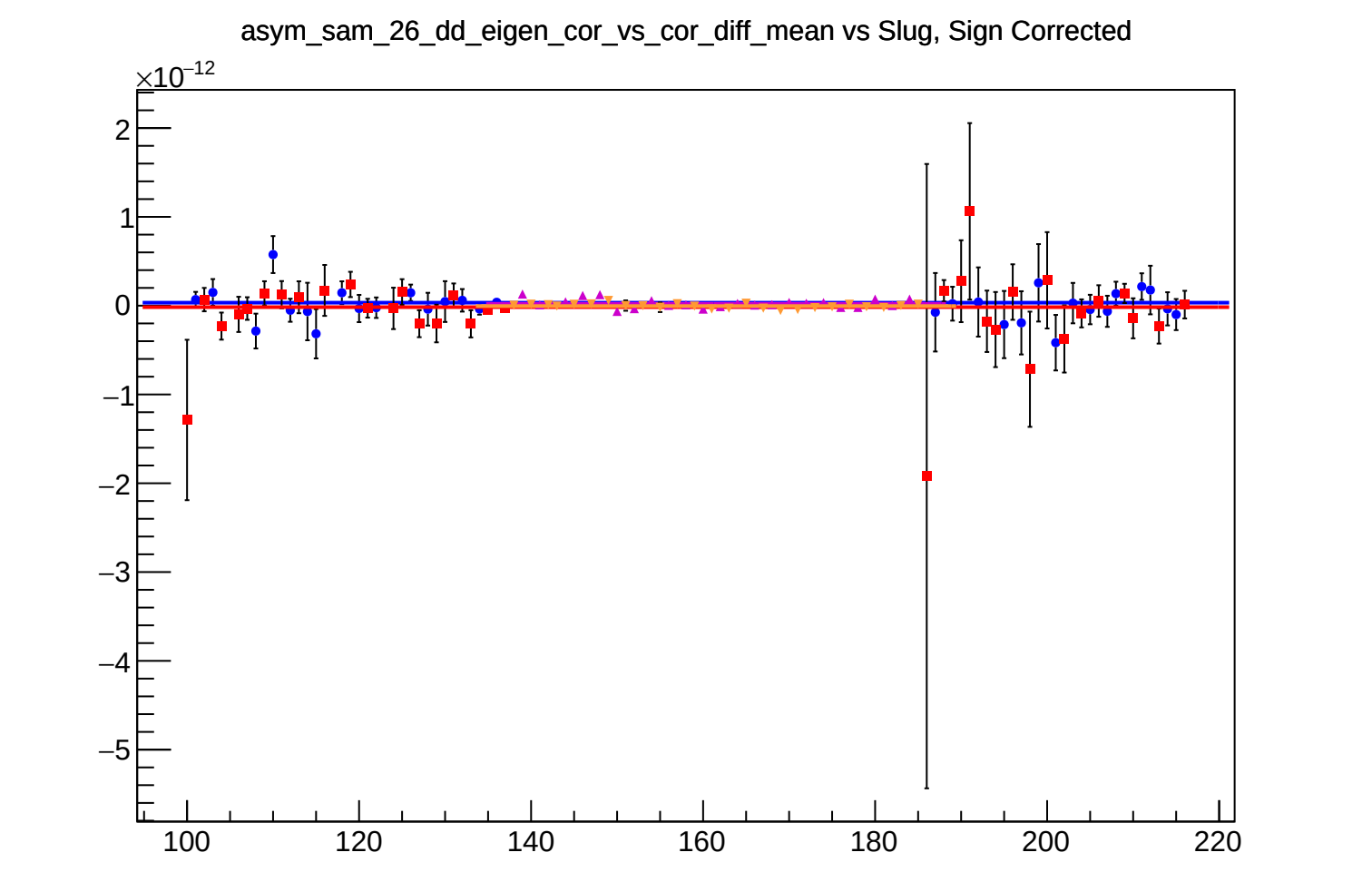
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 101.078+/-0.012 χ^2/NDF: 4765164.4/65

In: 86.873+/-0.010 χ^2/NDF:3746789.8/53

Out: 86.523+/-0.010 χ^2/NDF:4275920.8/59

All: 86.694+/-0.007 χ^2/NDF: 8023294.7/113



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: 29.4/34

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

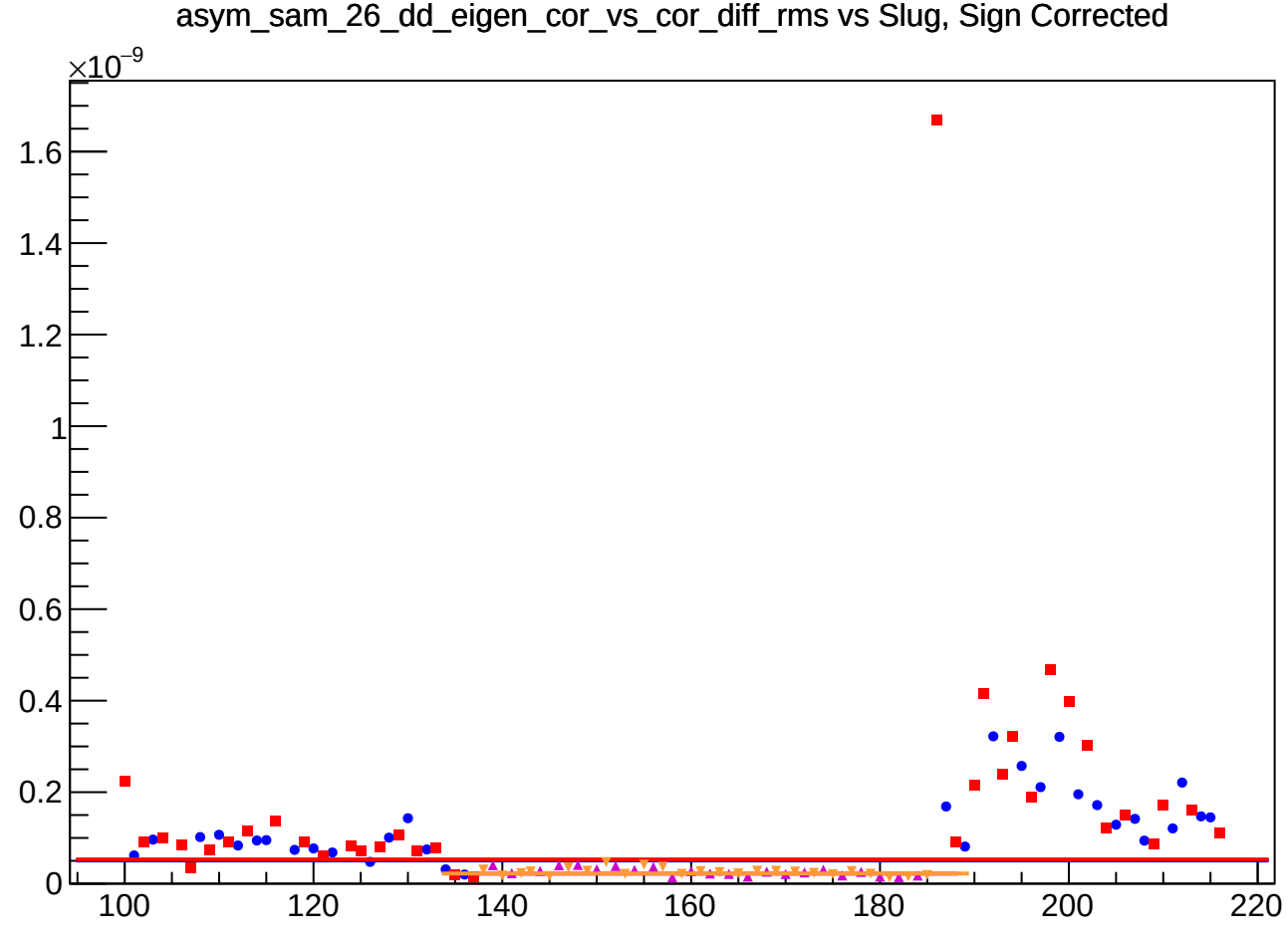
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 55.7/65

In: 0.000+/-0.000 χ^2/NDF:63.6/53

Out: -0.000+/-0.000 χ^2/NDF:42.7/59

All: 0.000+/-0.000 χ^2/NDF: 117.0/113



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: 12987729.9/34

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

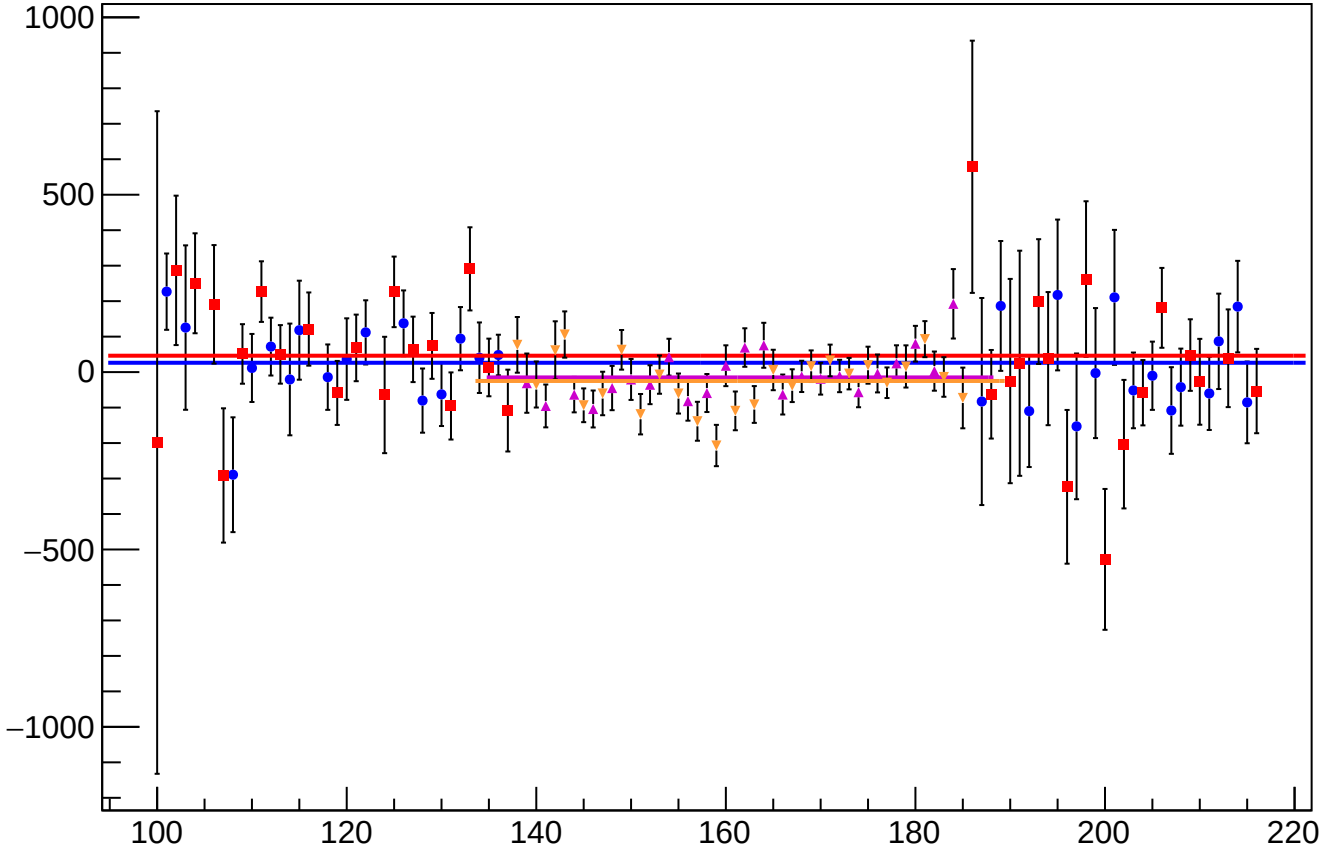
Right: 0.000+/-0.000 χ^2/NDF: 24672444.0/65

In: 0.000+/-0.000 χ^2/NDF:18500075.8/53

Out: 0.000+/-0.000 χ^2/NDF:19395094.3/59

All: 0.000+/-0.000 χ^2/NDF: 37895301.8/113

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: 46.223+/-20.341 χ^2/NDF: 48.0/34

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

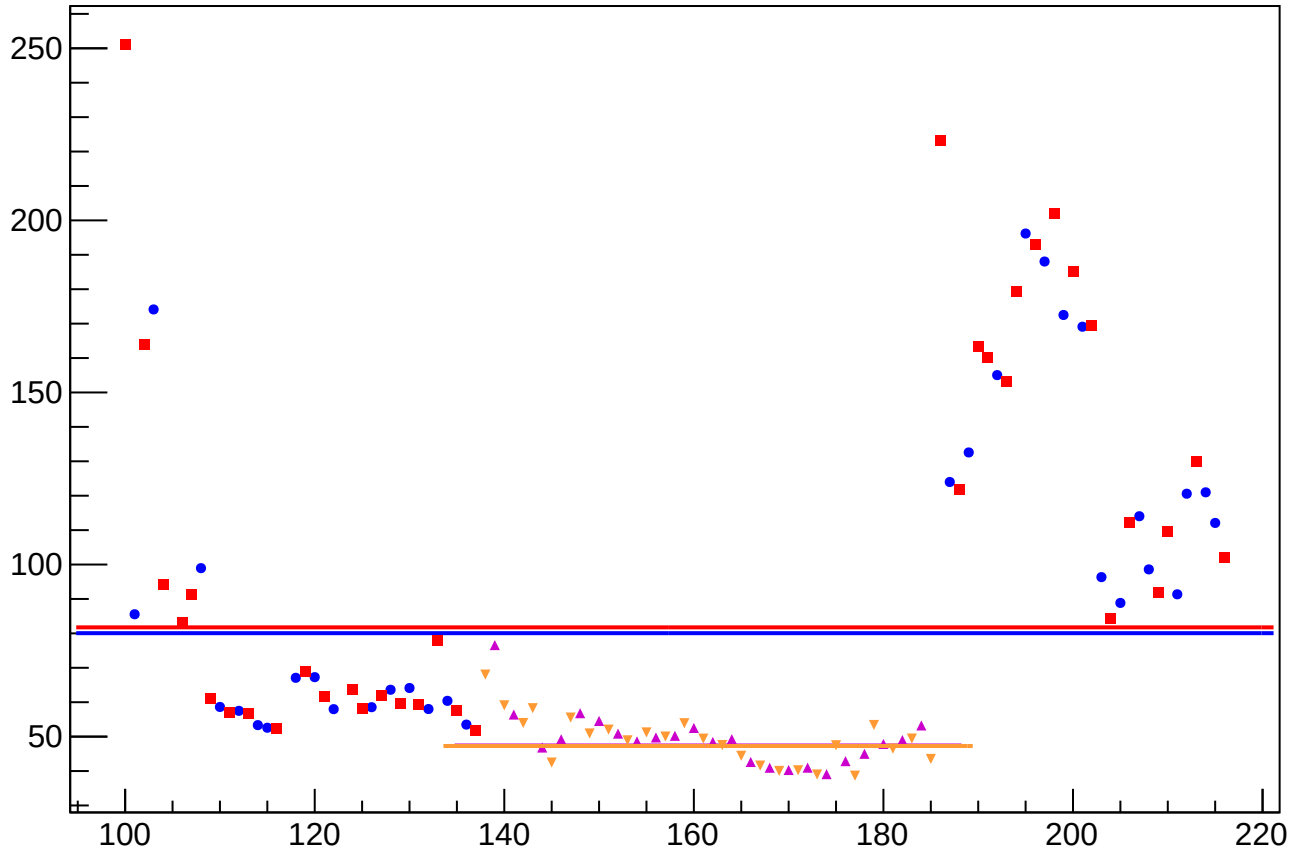
Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

Right: 36.058+/-14.226 χ^2/NDF: 72.3/65

In: -5.032+/-9.773 χ^2/NDF:51.8/53

Out: -9.130+/-9.599 χ^2/NDF:100.6/59

All: -7.118+/-6.848 χ^2/NDF: 152.5/113



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: 81.749+/-0.014 χ^2/NDF: 6317877.6/34

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

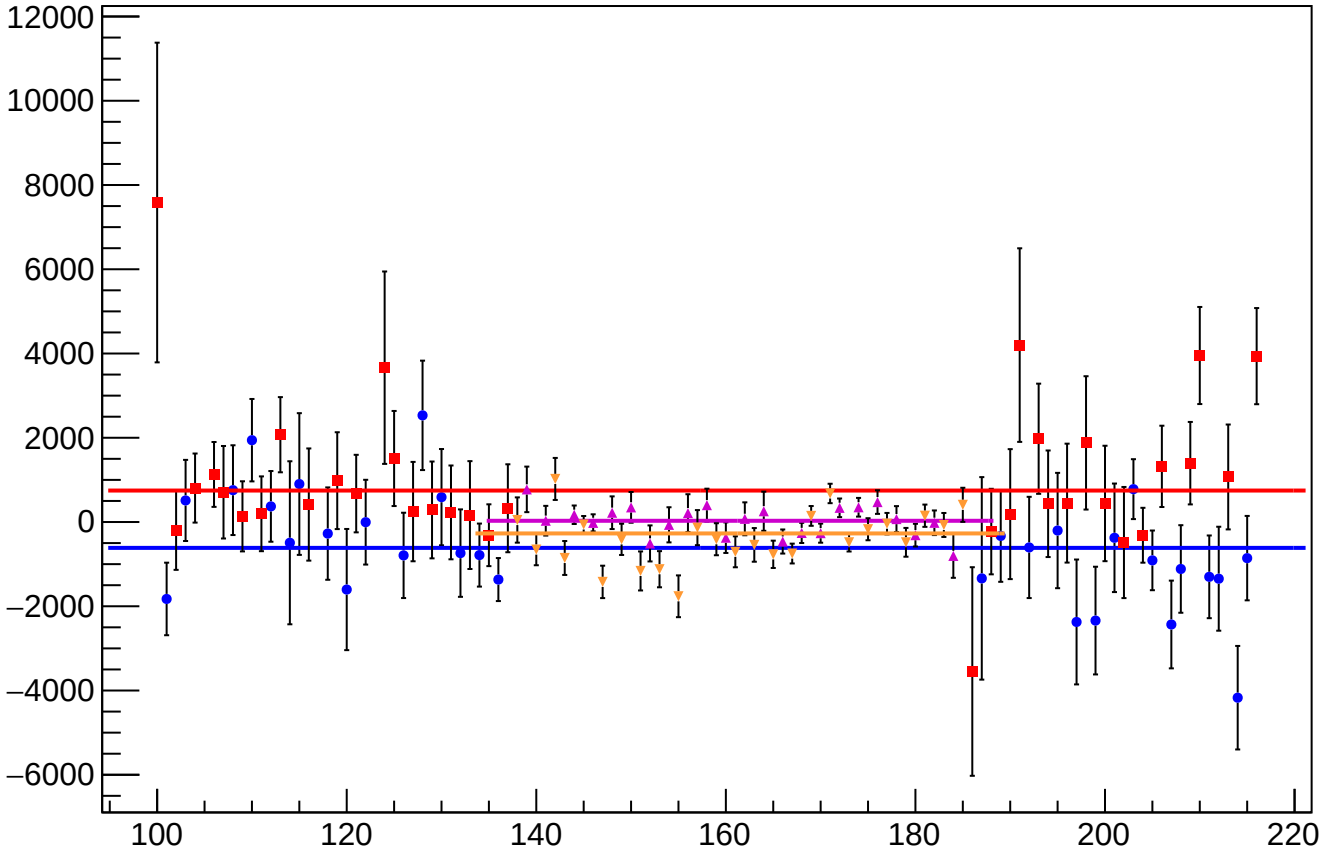
Right: 80.886+/-0.010 χ^2/NDF: 11725619.9/65

In: 55.292+/-0.007 χ^2/NDF:10136749.0/53

Out: 54.959+/-0.007 χ^2/NDF:11498401.5/59

All: 55.123+/-0.005 χ^2/NDF: 21636335.7/113

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: 747.117+/-182.813 χ^2/NDF: 40.7/34

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

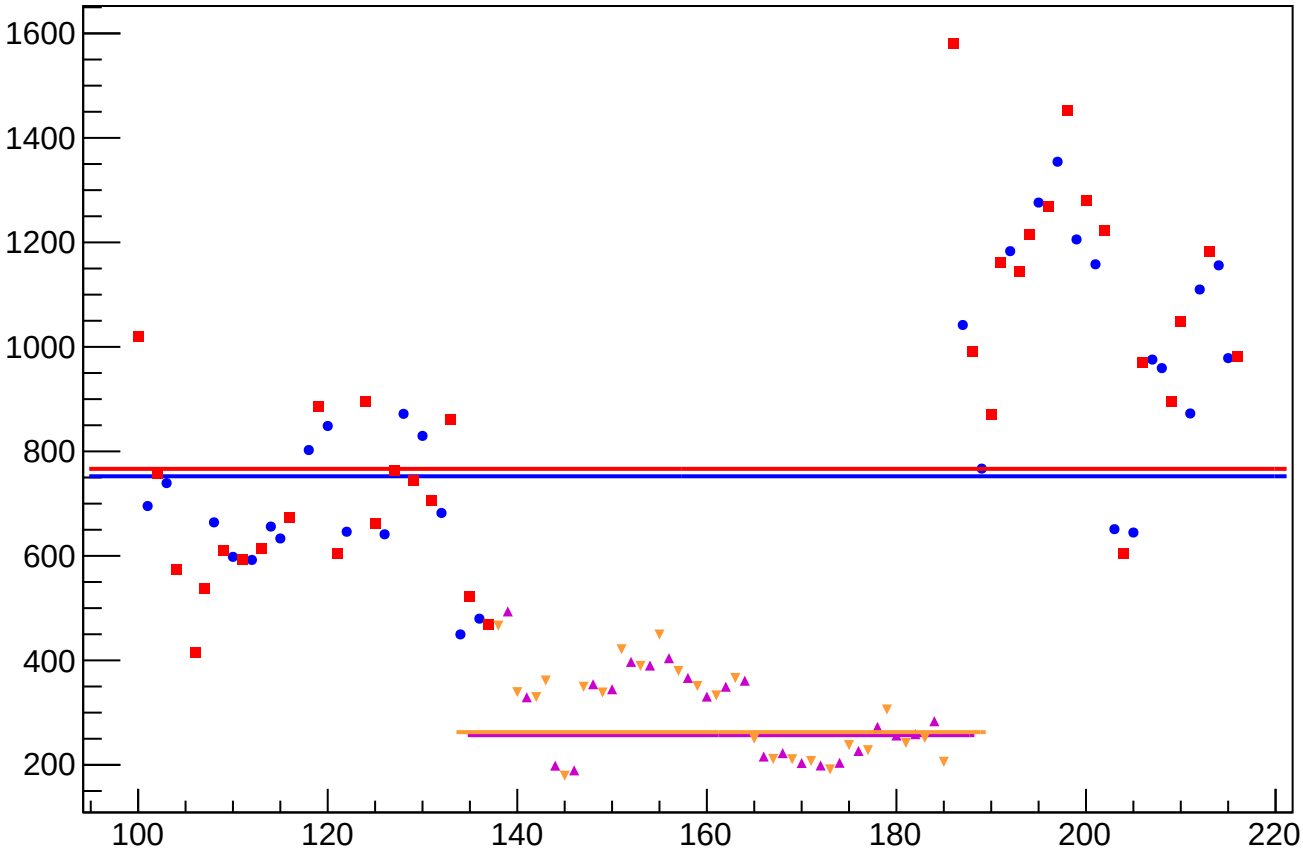
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 58.248+/-128.470 χ^2/NDF: 113.0/65

In: -39.930+/-59.206 χ^2/NDF:80.0/53

Out: -164.952+/-59.009 χ^2/NDF:142.4/59

All: -102.650+/-41.795 χ^2/NDF: 224.6/113



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: 766.561+/-0.129 χ^2/NDF: 3960653.8/34

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

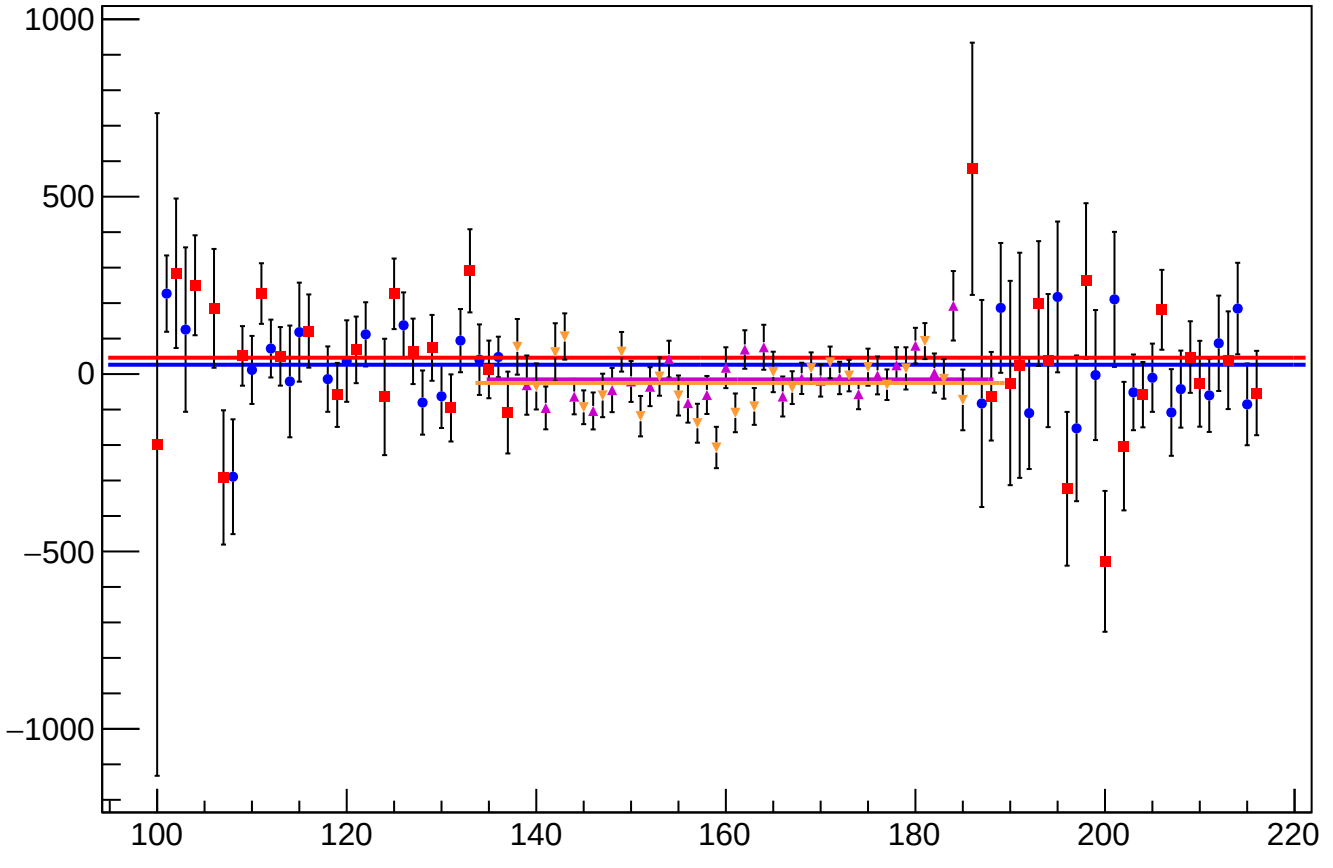
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 759.373+/-0.091 χ^2/NDF: 7252007.1/65

In: 310.112+/-0.042 χ^2/NDF:19365763.5/53

Out: 315.177+/-0.042 χ^2/NDF:20464963.0/59

All: 312.653+/-0.030 χ^2/NDF: 39838070.8/11



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: 46.096+/-20.342 χ^2/NDF: 47.9/34

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

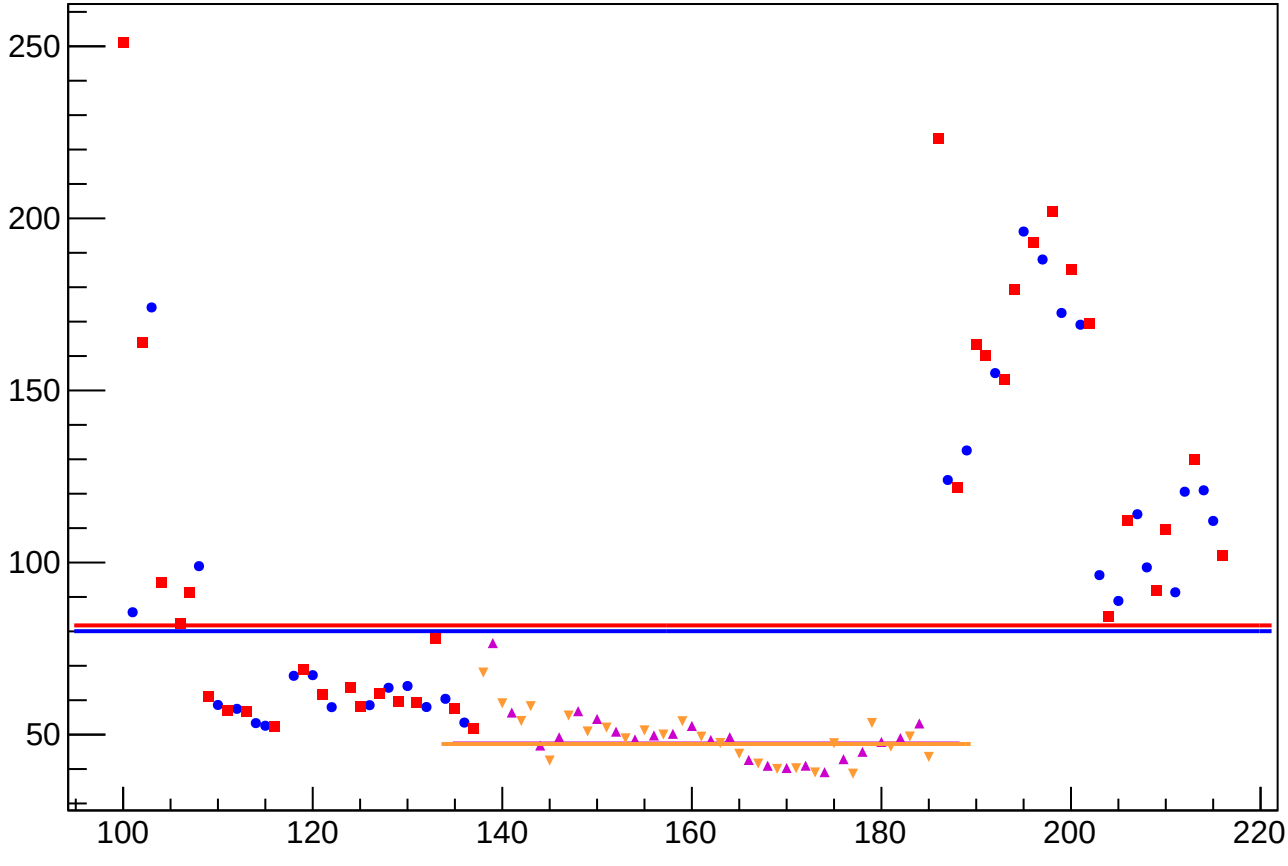
Right: 35.993+/-14.226 χ^2/NDF: 72.2/65

In: -5.032+/-9.773 χ^2/NDF:51.8/53

Out: -9.156+/-9.599 χ^2/NDF:100.5/59

All: -7.131+/-6.848 χ^2/NDF: 152.4/113

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: 81.734+/-0.014 χ^2/NDF: 6317919.8/34

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

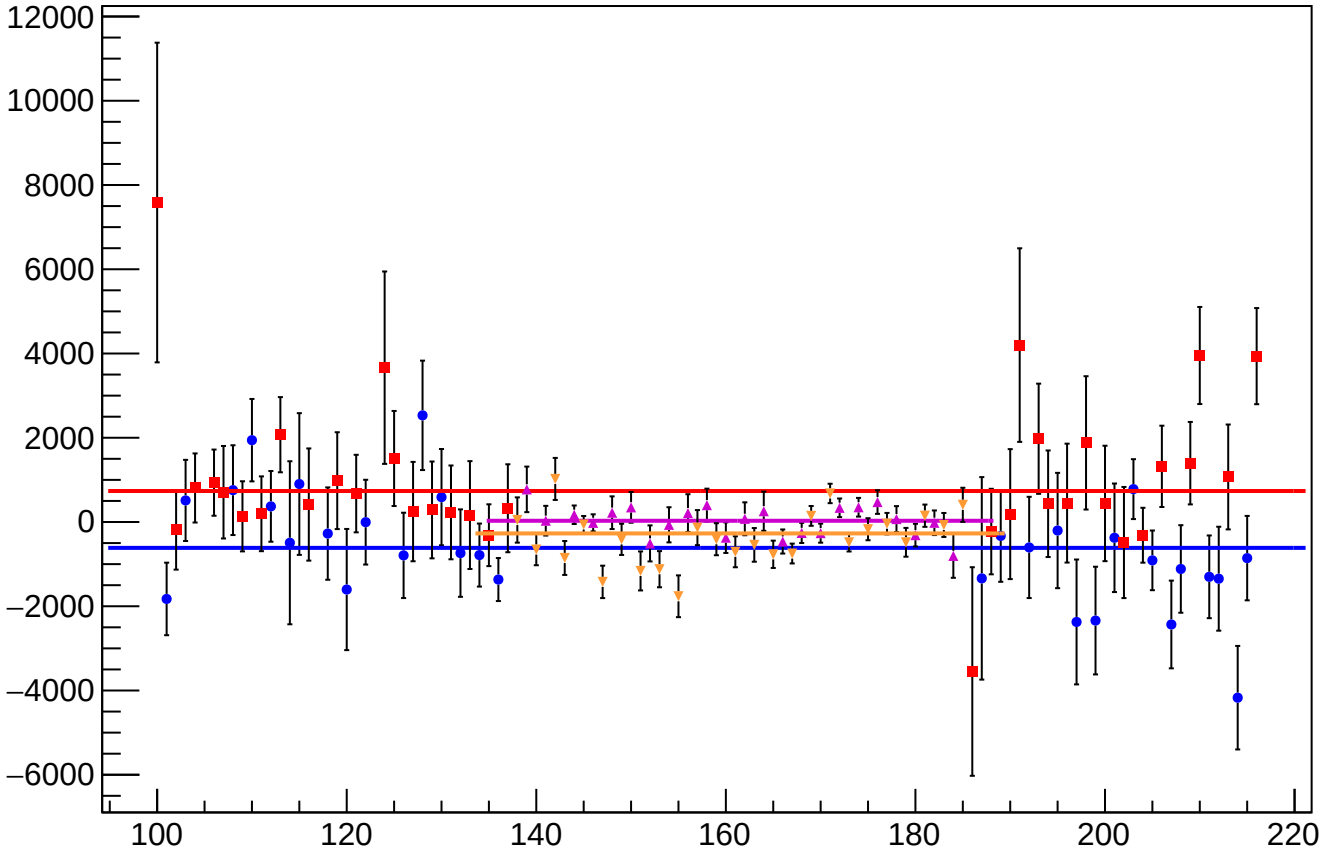
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 80.878+/-0.010 χ^2/NDF: 11725537.7/65

In: 55.292+/-0.007 χ^2/NDF:10136750.9/53

Out: 54.955+/-0.007 χ^2/NDF:11494208.9/59

All: 55.121+/-0.005 χ^2/NDF: 21632172.7/113



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: 736.050+/-183.022 χ^2/NDF: 40.5/34

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

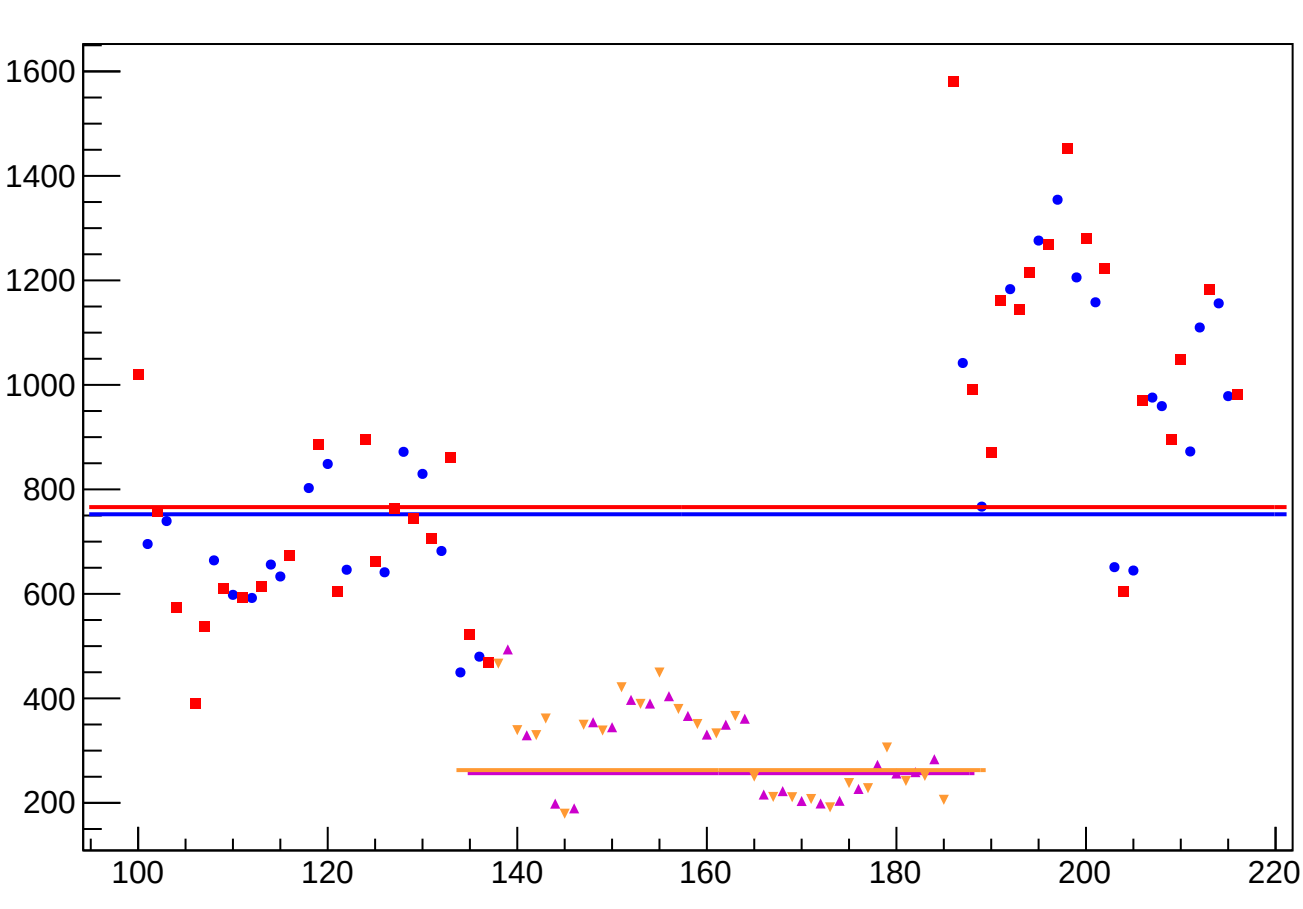
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 52.013+/-128.542 χ^2/NDF: 112.3/65

In: -39.928+/-59.206 χ^2/NDF:80.0/53

Out: -166.316+/-59.016 χ^2/NDF:141.5/59

All: -103.326+/-41.798 χ^2/NDF: 223.8/113



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: 766.096+/-0.129 χ^2/NDF: 3999517.1/34

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

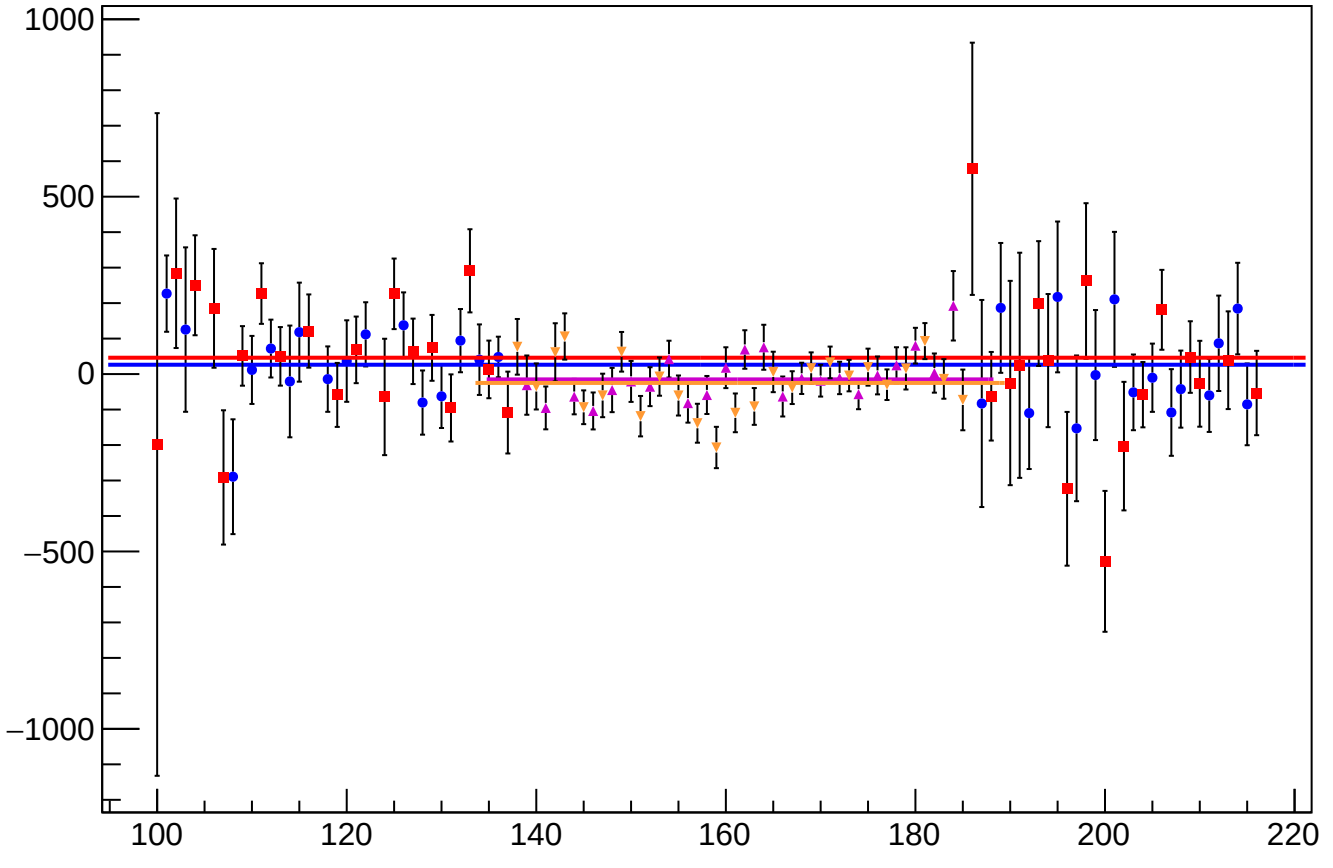
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 759.137+/-0.091 χ^2/NDF: 7290463.9/65

In: 310.112+/-0.042 χ^2/NDF:19365809.6/53

Out: 315.022+/-0.042 χ^2/NDF:20450933.4/59

All: 312.575+/-0.030 χ^2/NDF: 39823641.7/11



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: 46.096+/-20.342 χ^2/NDF: 47.9/34

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

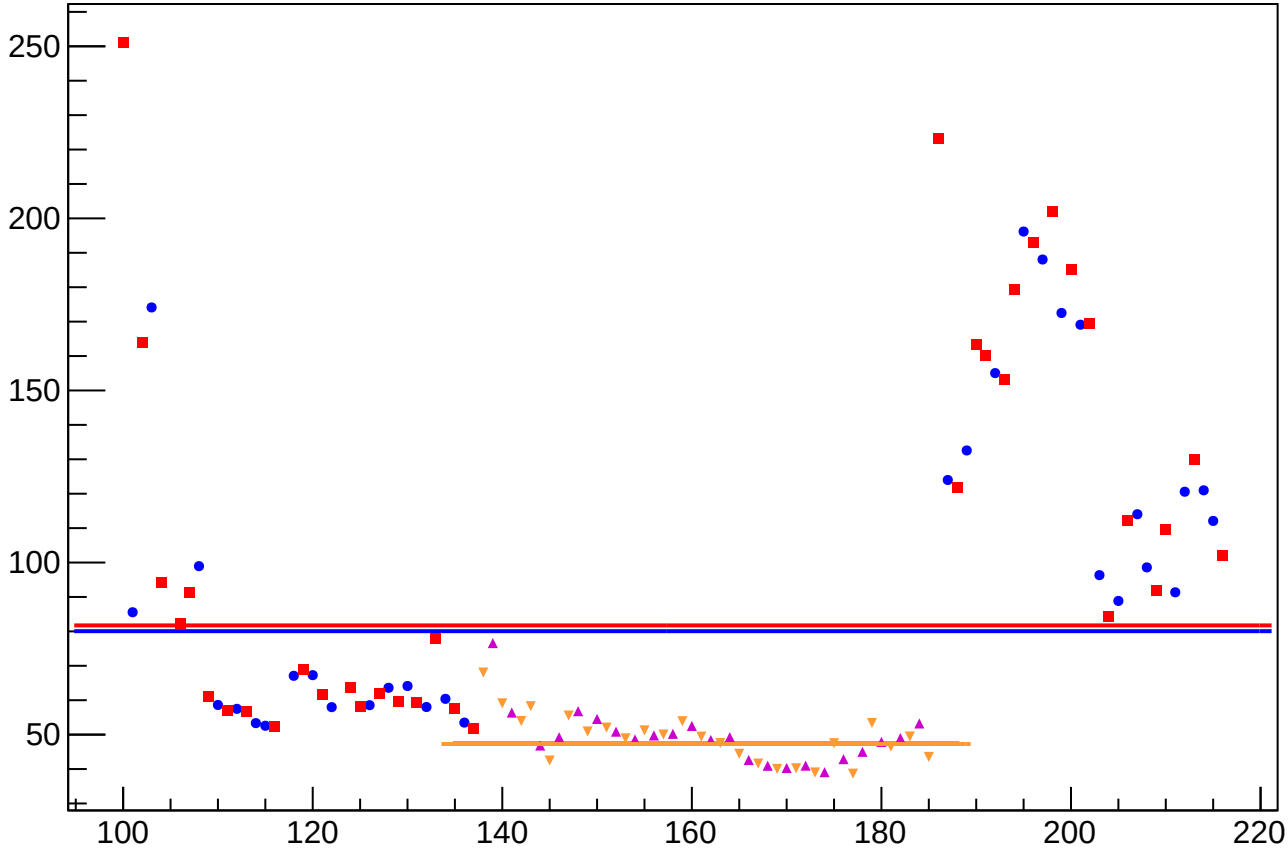
Right: 35.993+/-14.226 χ^2/NDF: 72.2/65

In: -5.032+/-9.773 χ^2/NDF:51.8/53

Out: -9.156+/-9.599 χ^2/NDF:100.5/59

All: -7.131+/-6.848 χ^2/NDF: 152.4/113

eigen_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: 81.734+/-0.014 χ^2/NDF: 6317919.8/34

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

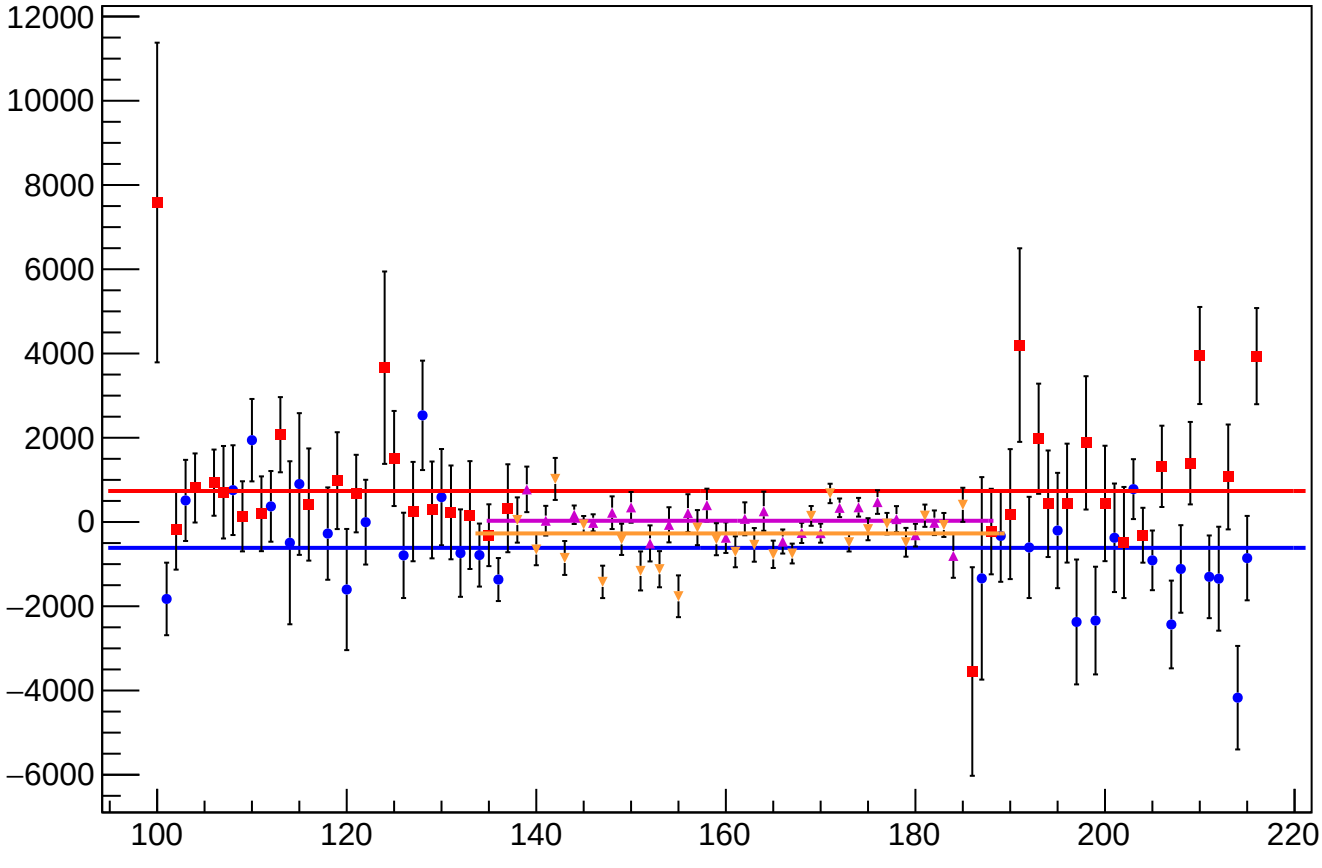
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 80.878+/-0.010 χ^2/NDF: 11725537.7/65

In: 55.292+/-0.007 χ^2/NDF:10136750.9/53

Out: 54.955+/-0.007 χ^2/NDF:11494208.9/59

All: 55.121+/-0.005 χ^2/NDF: 21632172.7/113



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: 736.050+/-183.022 χ^2/NDF: 40.5/34

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

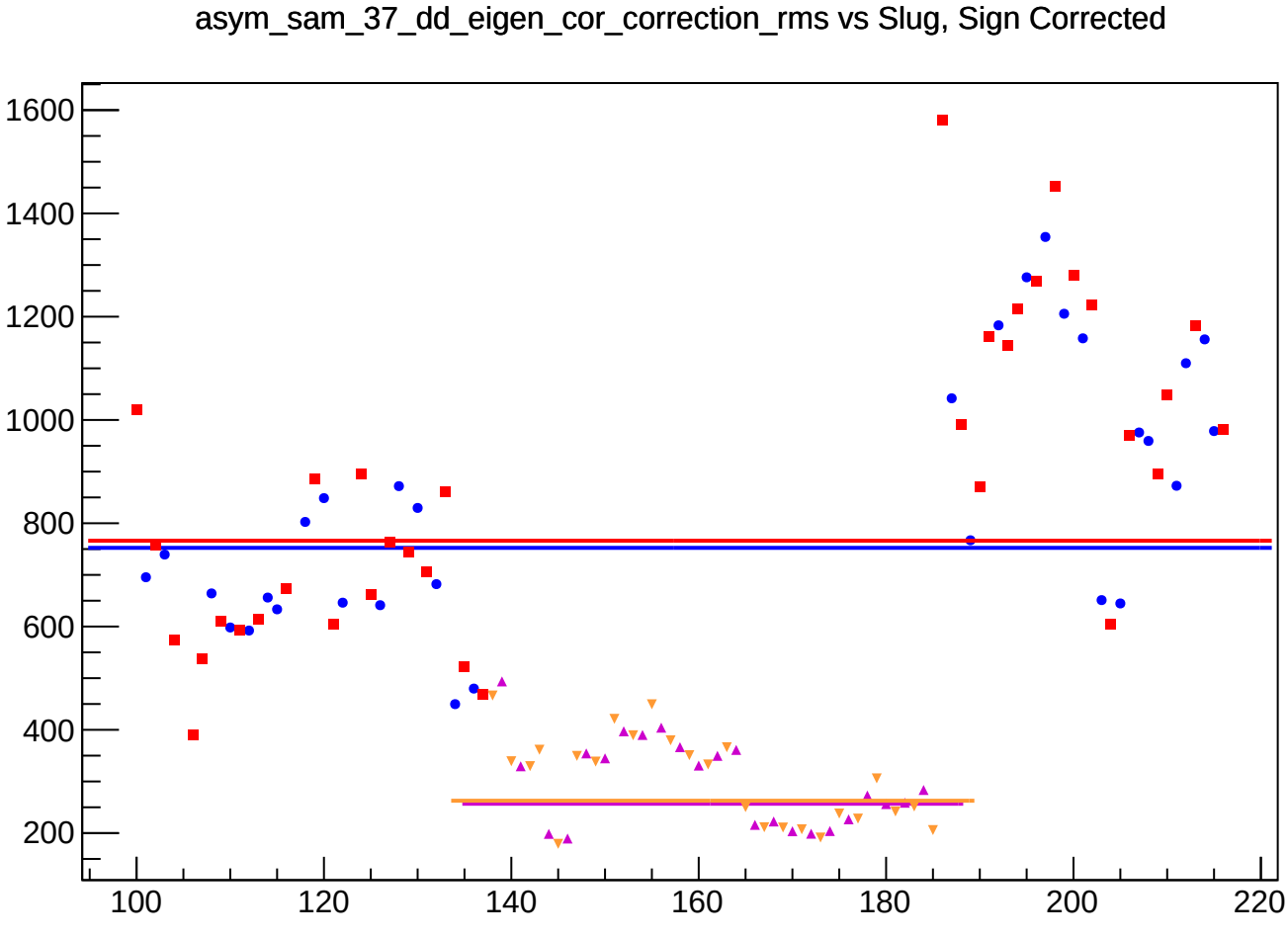
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

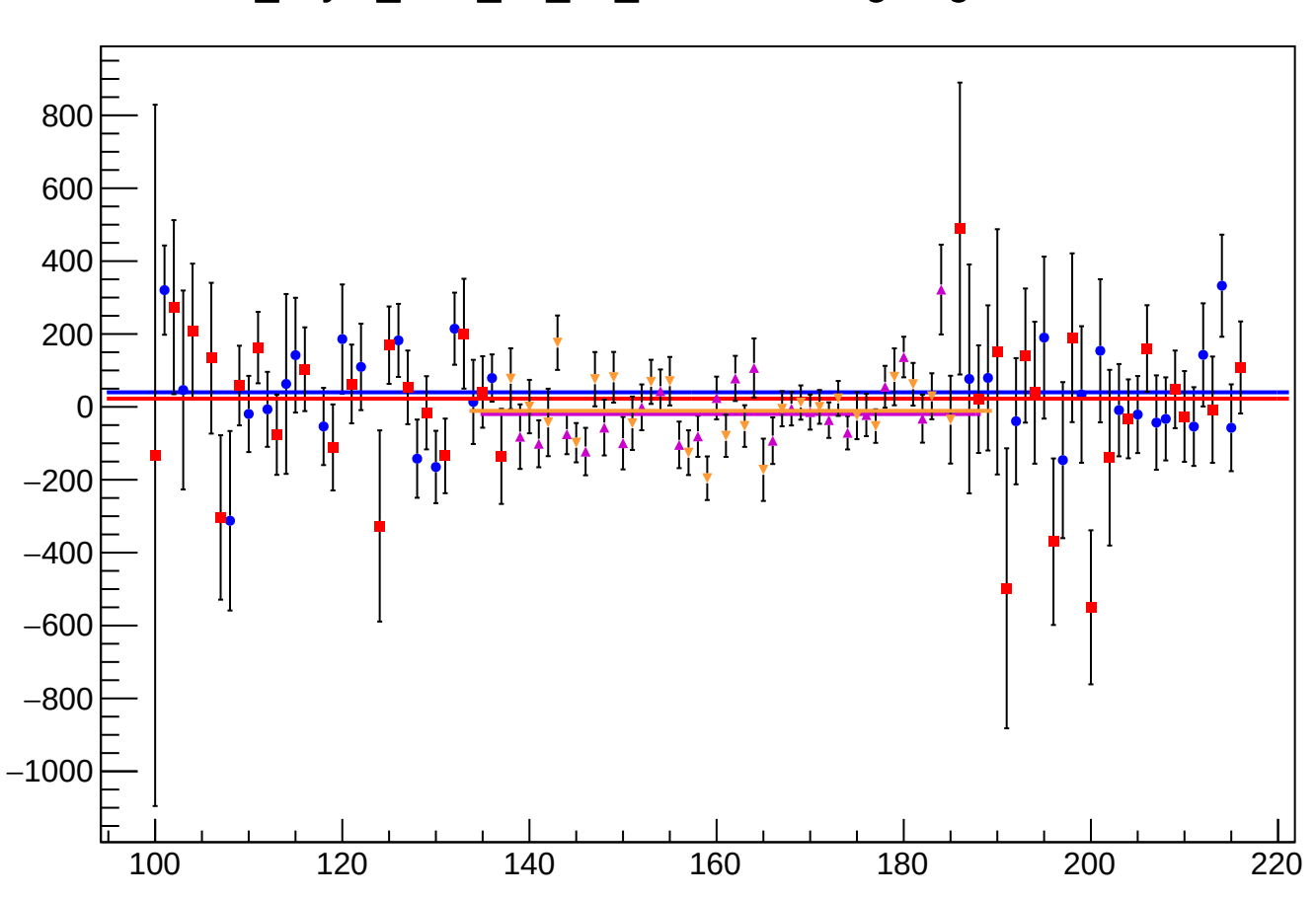
Right: 52.013+/-128.542 χ^2/NDF: 112.3/65

In: -39.928+/-59.206 χ^2/NDF:80.0/53

Out: -166.316+/-59.016 χ^2/NDF:141.5/59

All: -103.326+/-41.798 χ^2/NDF: 223.8/113


asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 752.363+/-0.128 χ²/NDF: 3285240.3/30
Left Out: 262.679+/-0.044 χ²/NDF:2893257.1/24
Right Out: 766.096+/-0.129 χ²/NDF: 3999517.1/34
Left In: 256.842+/-0.044 χ²/NDF:2639196.2/22
Left: 259.776+/-0.031 χ²/NDF: 5541171.4/47
Right: 759.137+/-0.091 χ²/NDF: 7290463.9/65
In: 310.112+/-0.042 χ²/NDF:19365809.6/53
Out: 315.022+/-0.042 χ²/NDF:20450933.4/59
All: 312.575+/-0.030 χ²/NDF: 39823641.7/11



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: 22.660+/-23.467 χ^2/NDF: 35.9/34

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

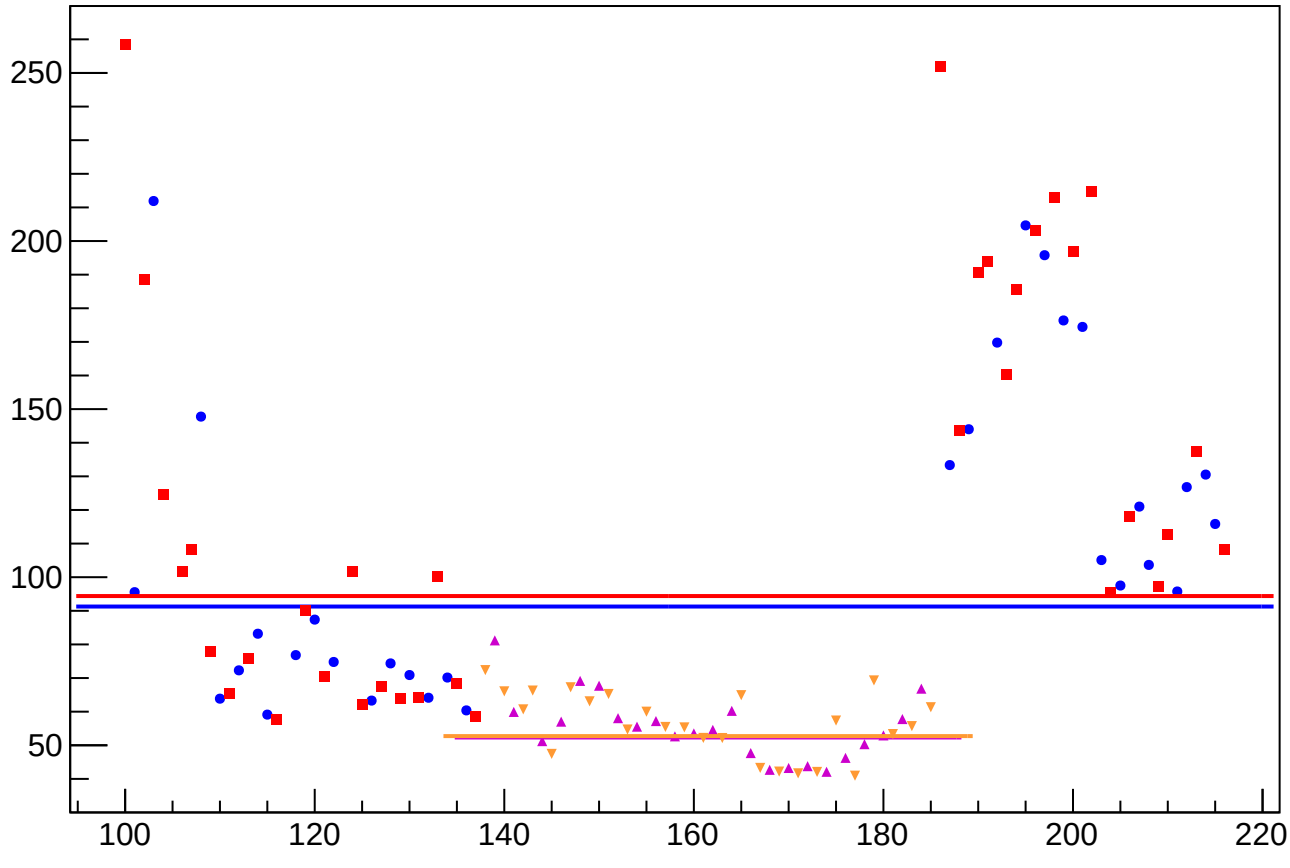
Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

Right: 31.668+/-16.279 χ^2/NDF: 68.6/65

In: -5.553+/-10.969 χ^2/NDF:74.5/53

Out: -3.601+/-10.898 χ^2/NDF:77.9/59

All: -4.571+/-7.731 χ^2/NDF: 152.4/113



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: 94.392+/-0.017 χ^2/NDF: 5794553.9/34

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

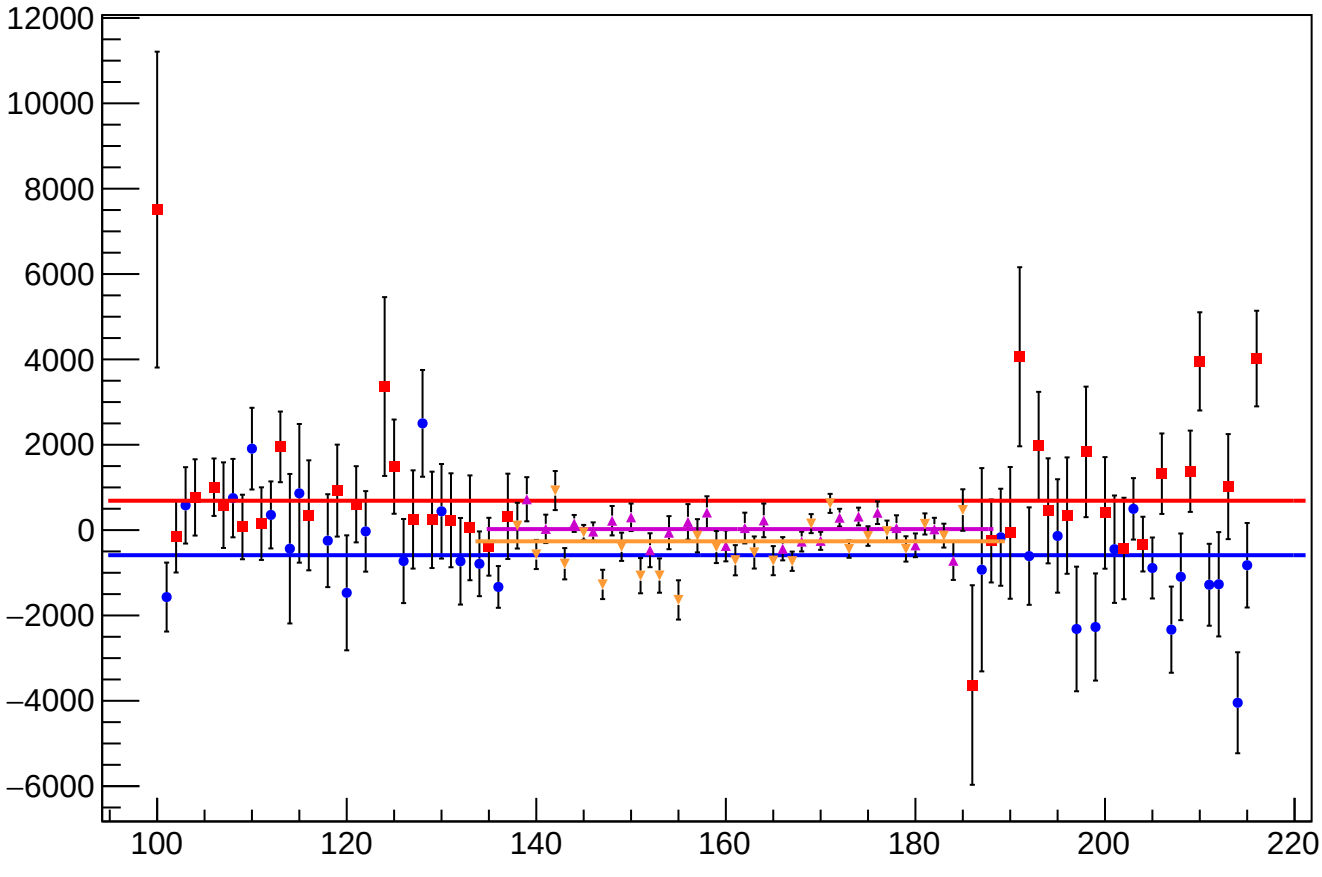
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 92.774+/-0.012 χ^2/NDF: 10529290.8/65

In: 61.491+/-0.008 χ^2/NDF:10151677.2/53

Out: 61.717+/-0.008 χ^2/NDF:11905796.4/59

All: 61.605+/-0.005 χ^2/NDF: 22057898.5/113



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: 688.013+/-174.618 χ^2/NDF: 44.0/34

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

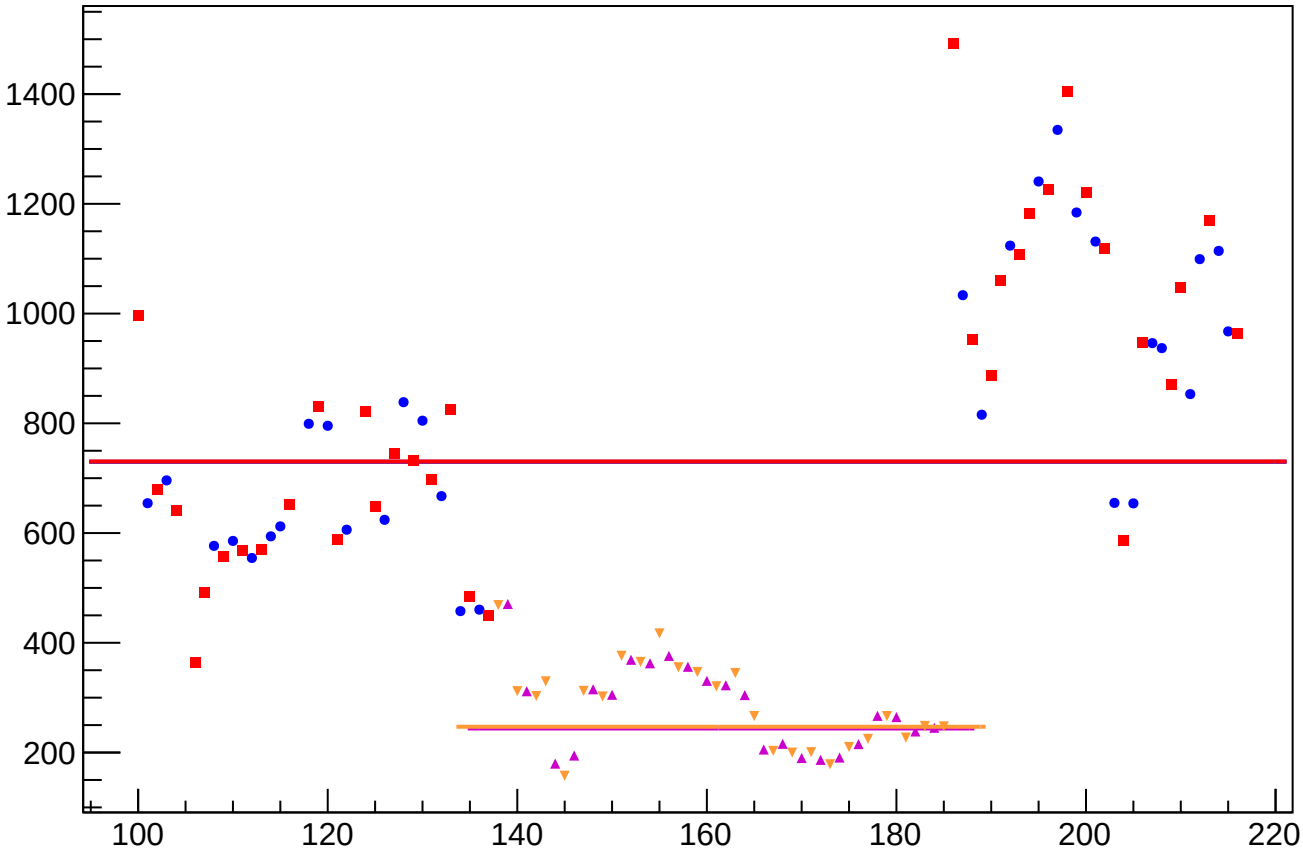
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 51.668+/-123.640 χ^2/NDF: 113.8/65

In: -39.649+/-56.248 χ^2/NDF:78.3/53

Out: -166.654+/-55.471 χ^2/NDF:142.8/59

All: -104.036+/-39.496 χ^2/NDF: 223.7/113



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: 730.436+/-0.123 χ^2/NDF: 4252187.8/34

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

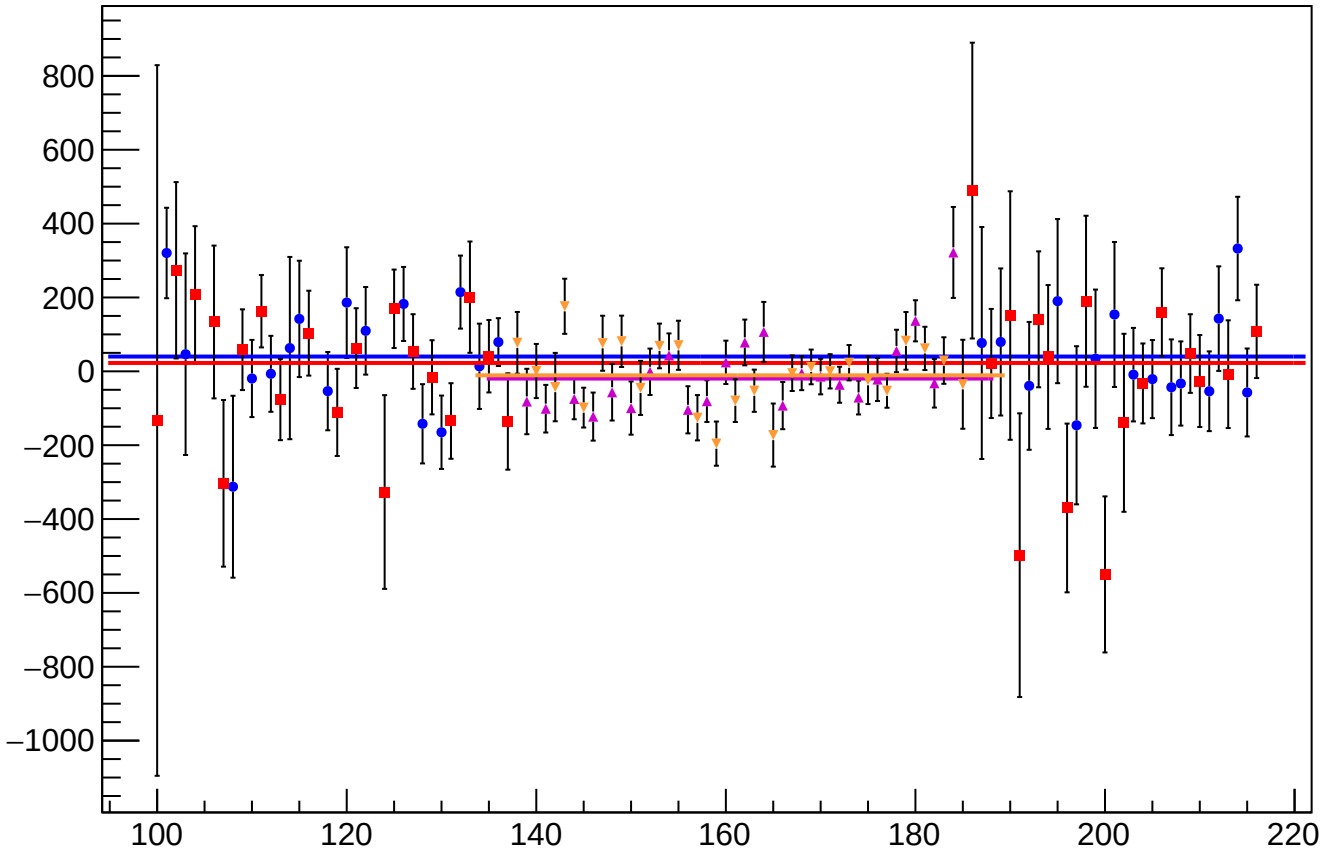
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 730.197+/-0.087 χ^2/NDF: 7609421.0/65

In: 293.996+/-0.040 χ^2/NDF:19674305.3/53

Out: 295.781+/-0.039 χ^2/NDF:20960702.0/59

All: 294.901+/-0.028 χ^2/NDF: 40636028.0/11



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: 22.659+/-23.467 χ^2/NDF: 35.9/34

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

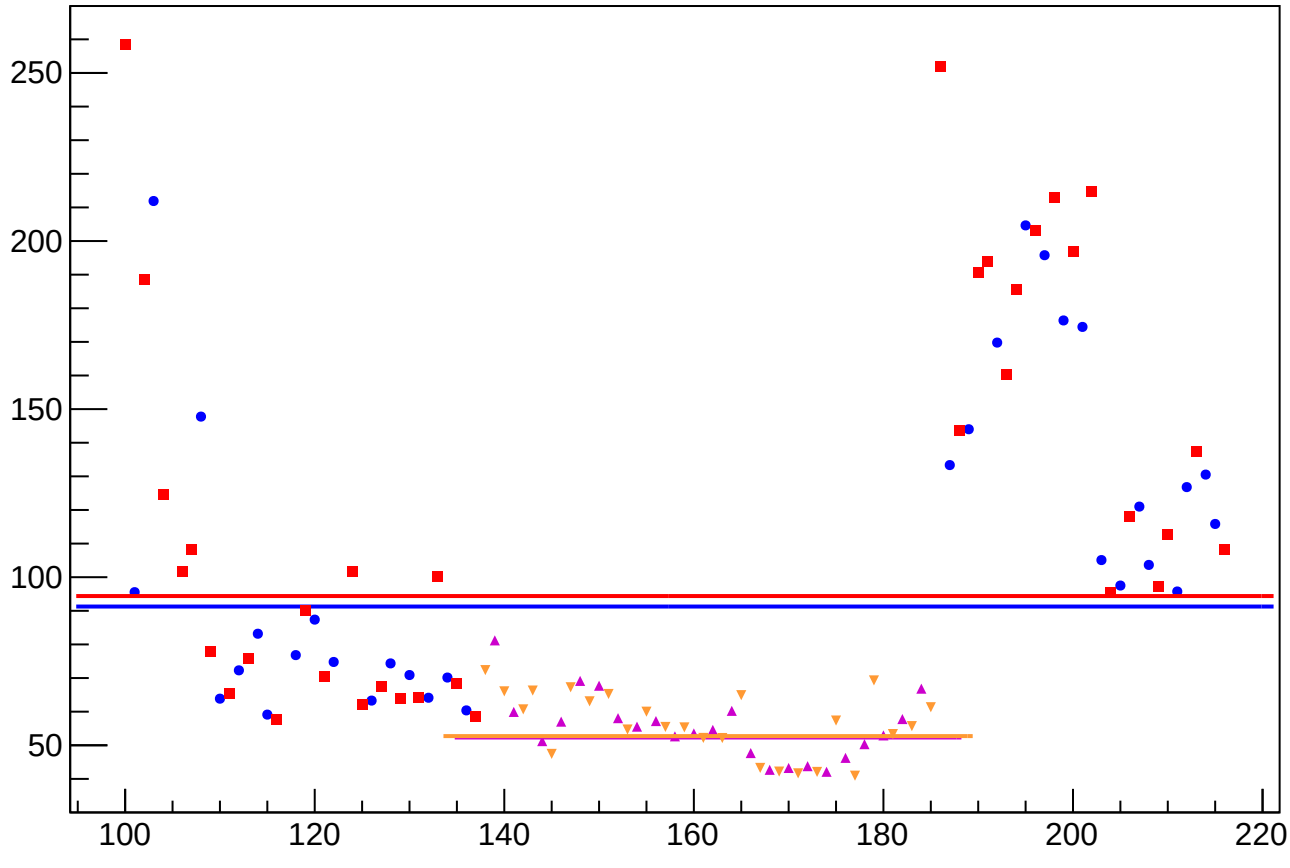
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 31.667+/-16.279 χ^2/NDF: 68.6/65

In: -5.553+/-10.969 χ^2/NDF:74.5/53

Out: -3.601+/-10.898 χ^2/NDF:77.9/59

All: -4.571+/-7.731 χ^2/NDF: 152.4/113



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: 94.392+/-0.017 χ^2/NDF: 5794559.1/34

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

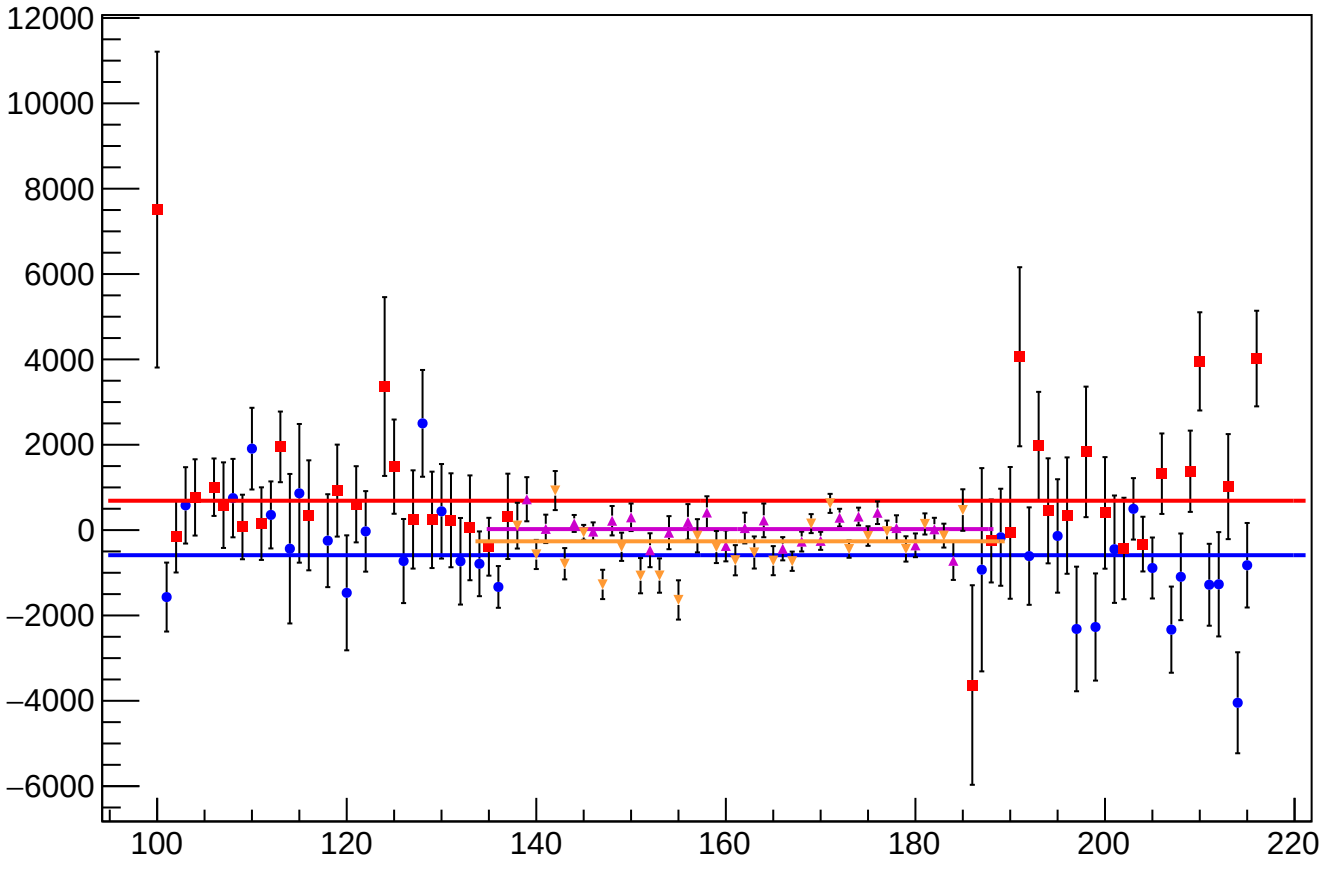
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 92.774+/-0.012 χ^2/NDF: 10529331.3/65

In: 61.491+/-0.008 χ^2/NDF:10151680.0/53

Out: 61.717+/-0.008 χ^2/NDF:11905795.8/59

All: 61.605+/-0.005 χ^2/NDF: 22057900.8/113



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: 688.012+/-174.618 χ^2/NDF: 44.0/34

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

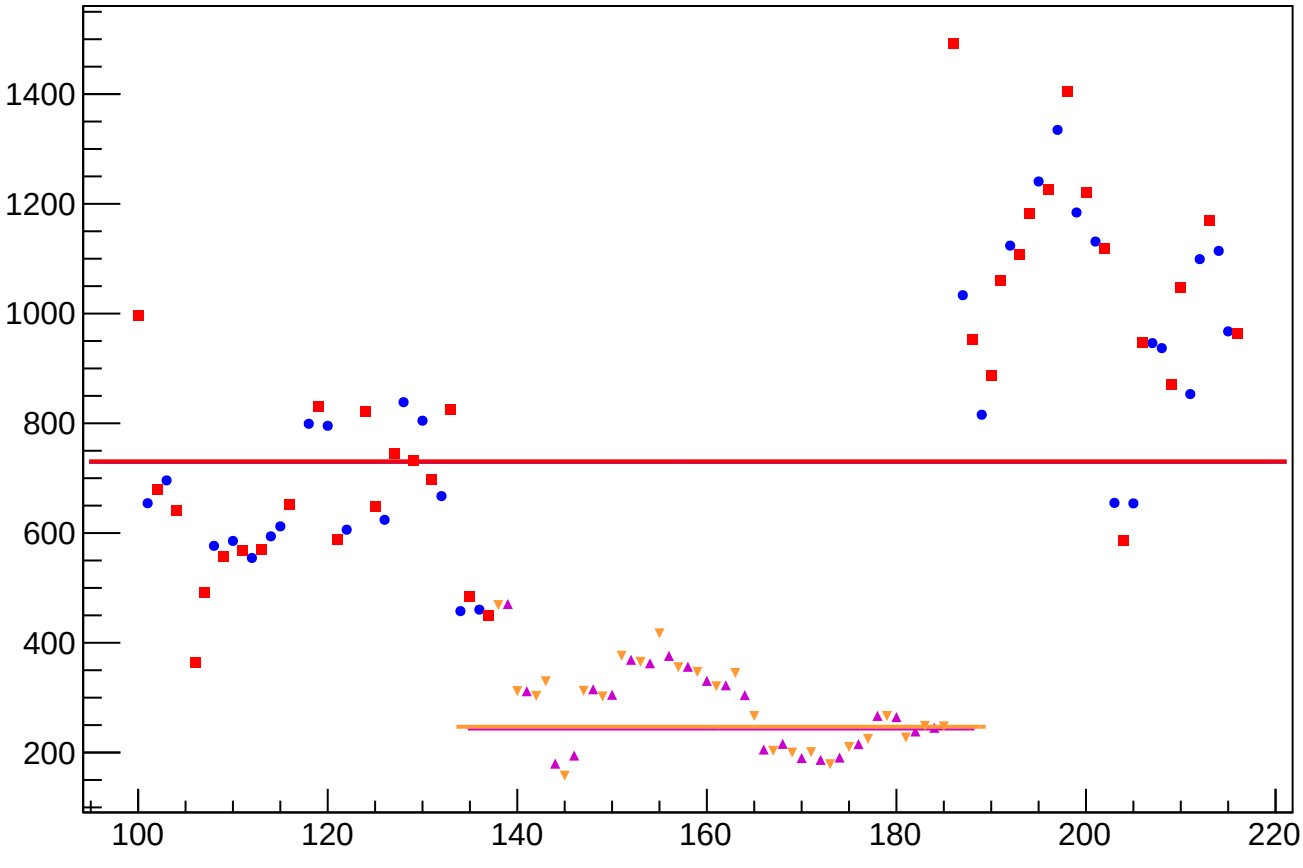
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 51.668+/-123.640 χ^2/NDF: 113.8/65

In: -39.649+/-56.248 χ^2/NDF:78.3/53

Out: -166.655+/-55.471 χ^2/NDF:142.8/59

All: -104.036+/-39.496 χ^2/NDF: 223.7/113



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: 730.435+/-0.123 χ^2/NDF: 4252178.7/34

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

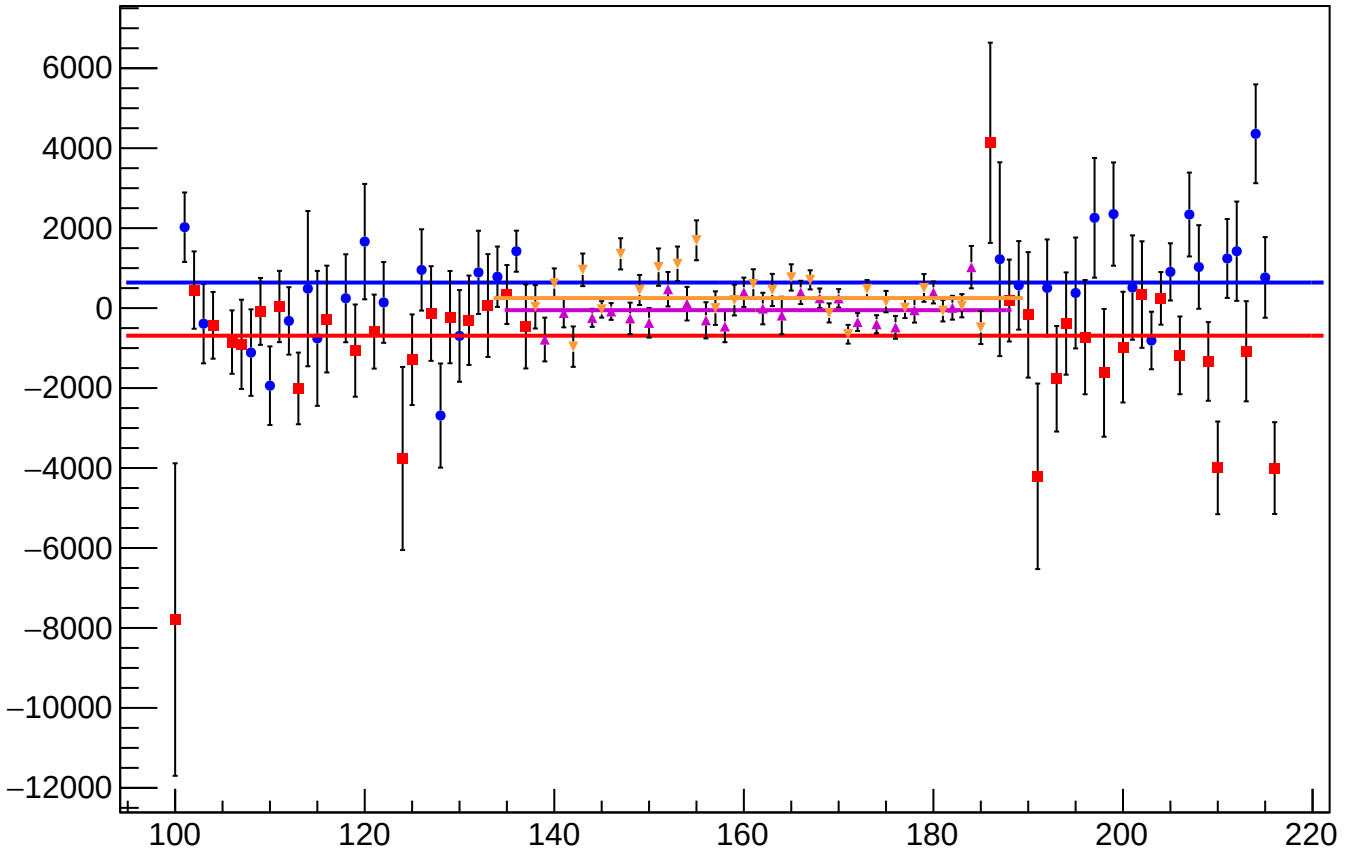
Right: 730.197+/-0.087 χ^2/NDF: 7609390.8/65

In: 293.996+/-0.040 χ^2/NDF:19674302.1/53

Out: 295.781+/-0.039 χ^2/NDF:20960682.4/59

All: 294.901+/-0.028 χ^2/NDF: 40636005.3/11

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: -689.955+/-184.594 χ^2/NDF: 41.2/34

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

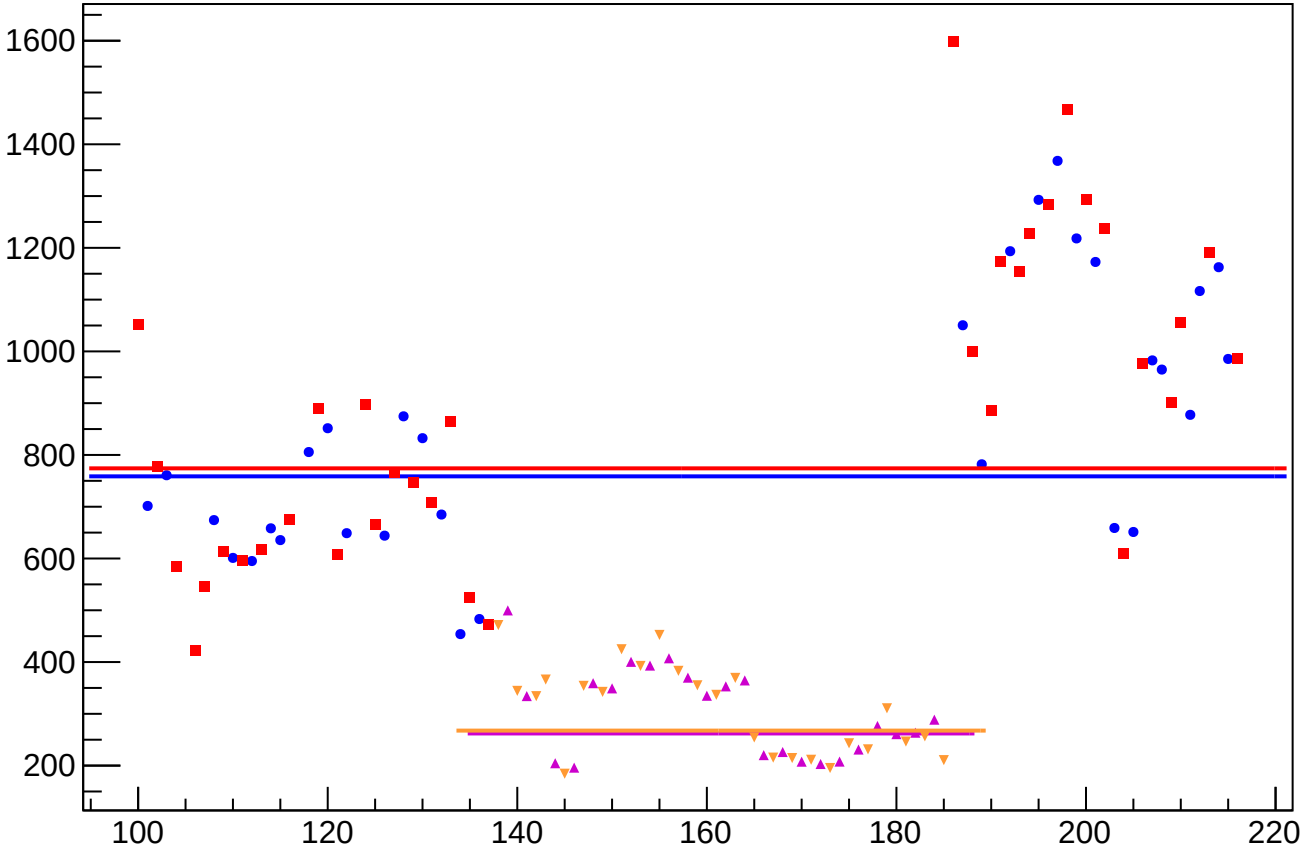
Right: -16.088+/-129.634 χ^2/NDF: 113.7/65

In: 23.974+/-60.247 χ^2/NDF:85.9/53

Out: 151.746+/-59.982 χ^2/NDF:132.0/59

All: 88.142+/-42.507 χ^2/NDF: 220.1/113

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: 774.101+/-0.131 χ^2/NDF: 3940459.5/34

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

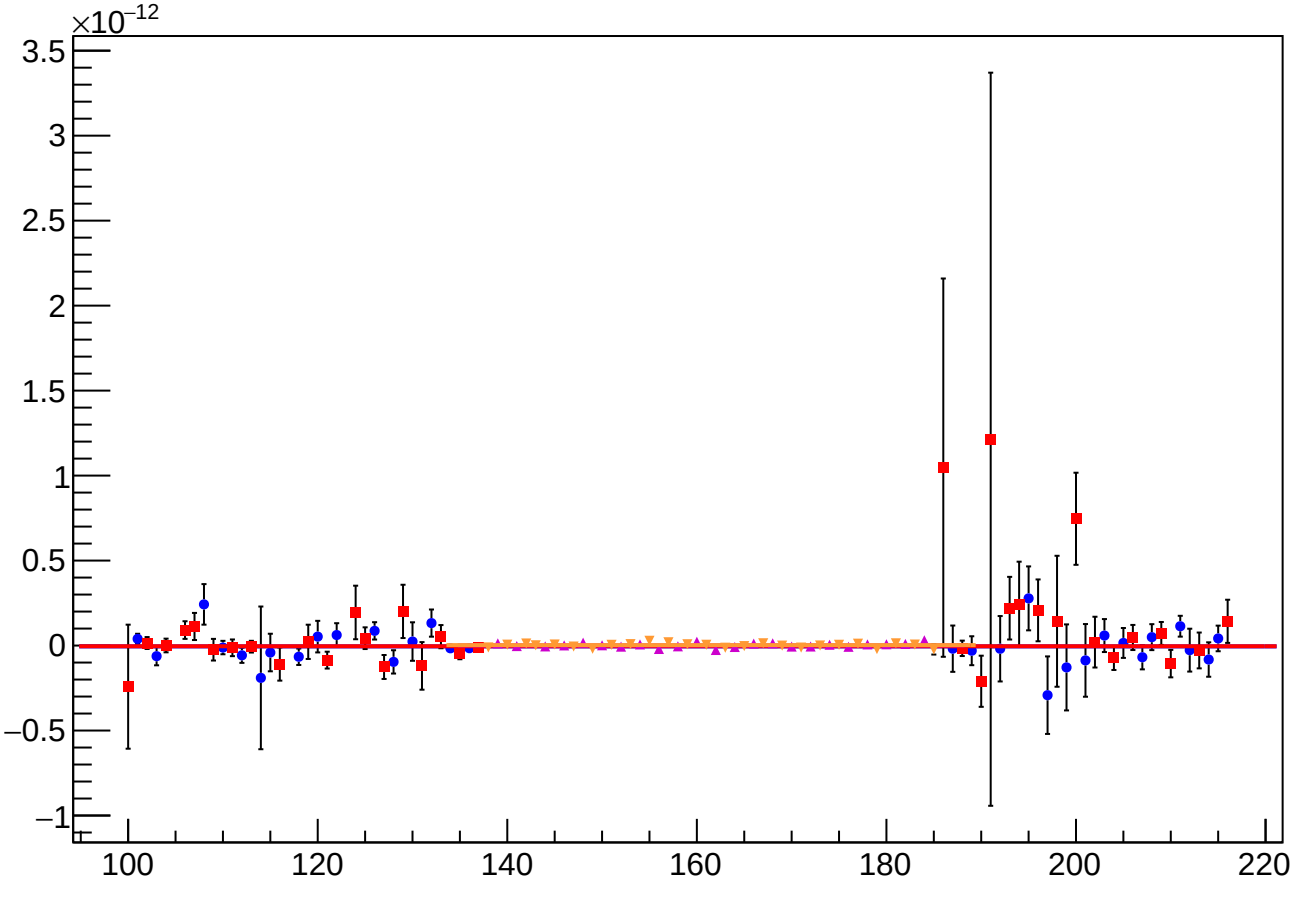
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 766.271+/-0.092 χ^2/NDF: 7239016.5/65

In: 316.451+/-0.043 χ^2/NDF:19073585.7/53

Out: 321.070+/-0.042 χ^2/NDF:20210243.0/59

All: 318.770+/-0.030 χ^2/NDF: 39289731.9/11



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: 40.5/34

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

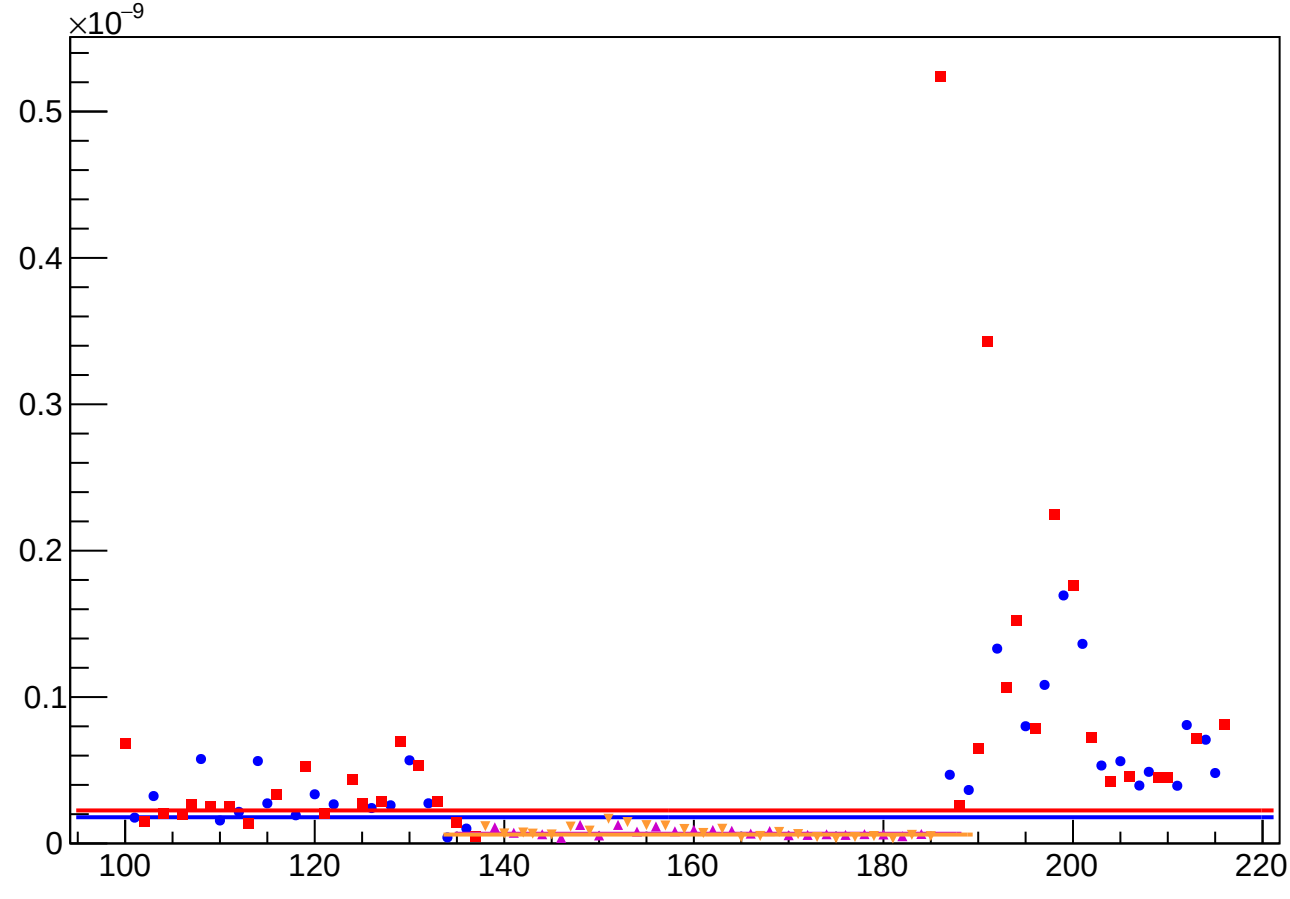
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 72.4/65

In: 0.000+/-0.000 χ^2/NDF:44.6/53

Out: 0.000+/-0.000 χ^2/NDF:56.1/59

All: 0.000+/-0.000 χ^2/NDF: 100.9/113



Right In: 0.000+/-0.000 χ^2/NDF: 8136824.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6861103.2/34

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

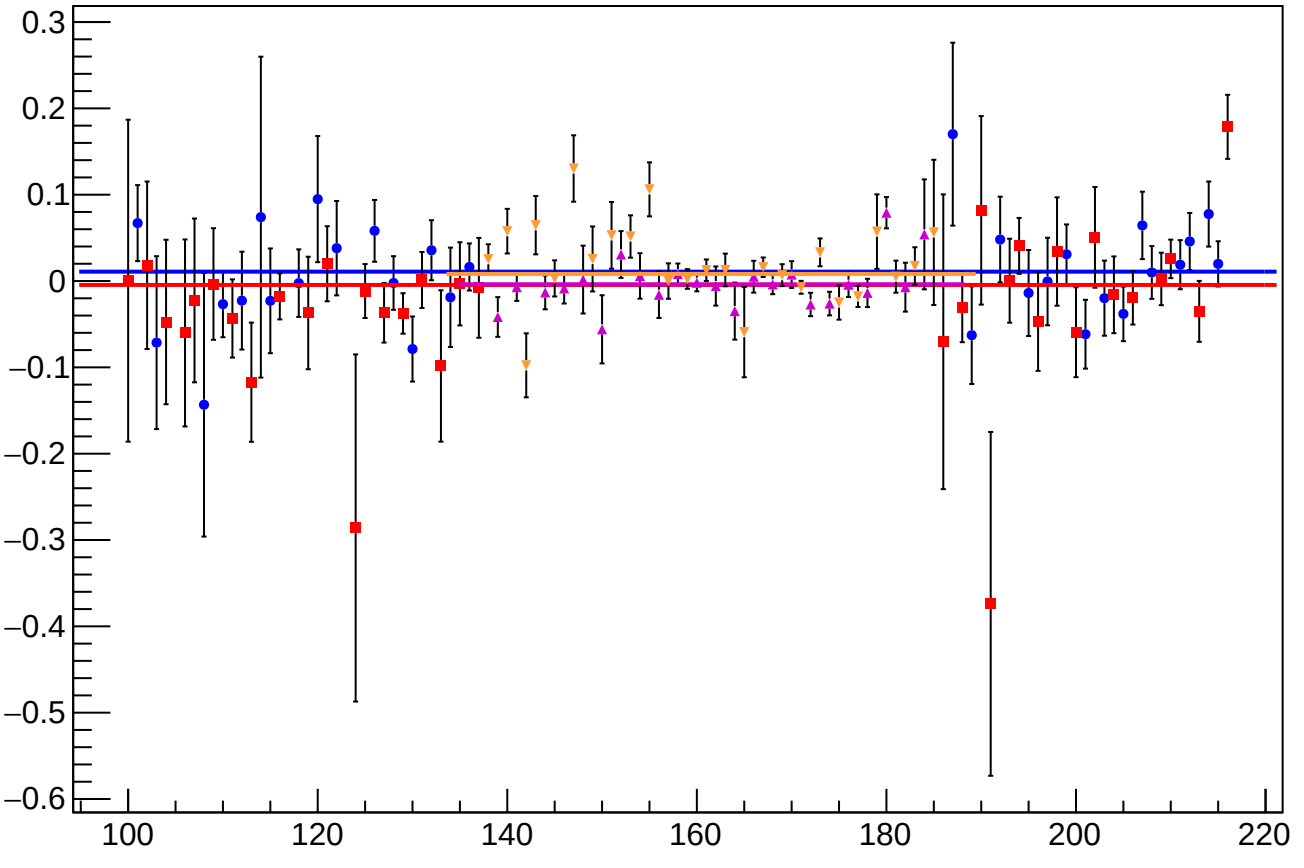
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 15229085.3/65

In: 0.000+/-0.000 χ^2/NDF:12313635.3/53

Out: 0.000+/-0.000 χ^2/NDF:13959975.7/59

All: 0.000+/-0.000 χ^2/NDF: 26342885.6/113



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: -0.005+/-0.007 χ^2/NDF: 47.6/34

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

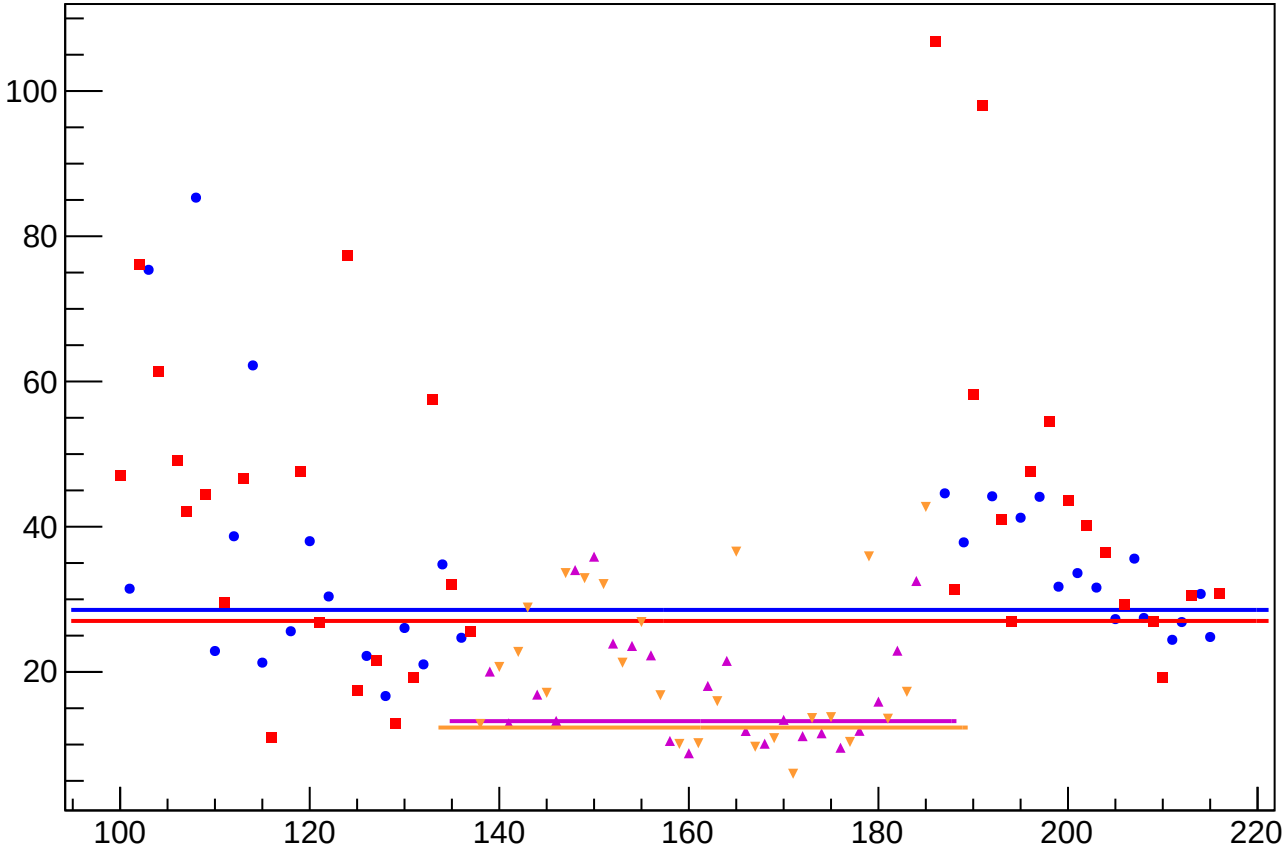
Right: 0.003+/-0.005 χ^2/NDF: 82.7/65

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.006+/-0.003 χ^2/NDF:108.9/59

All: 0.003+/-0.002 χ^2/NDF: 184.4/113

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 27.023+/-0.005 χ^2/NDF: 6009461.3/34

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

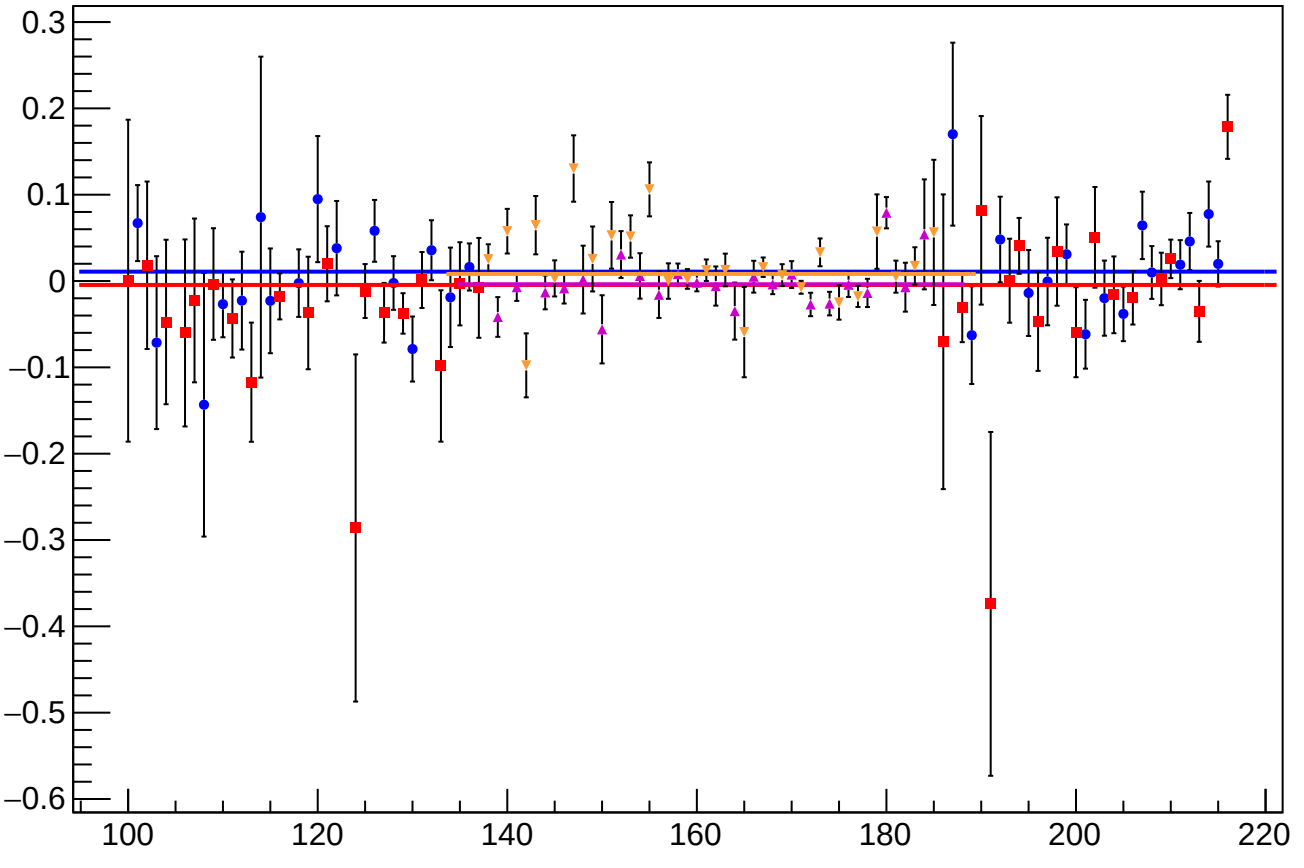
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.786+/-0.004 χ^2/NDF: 8385933.5/65

In: 16.264+/-0.002 χ^2/NDF:13255353.0/53

Out: 15.008+/-0.002 χ^2/NDF:19312509.5/59

All: 15.611+/-0.002 χ^2/NDF: 32722885.4/113



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: -0.005+/-0.007 χ^2/NDF: 47.6/34

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

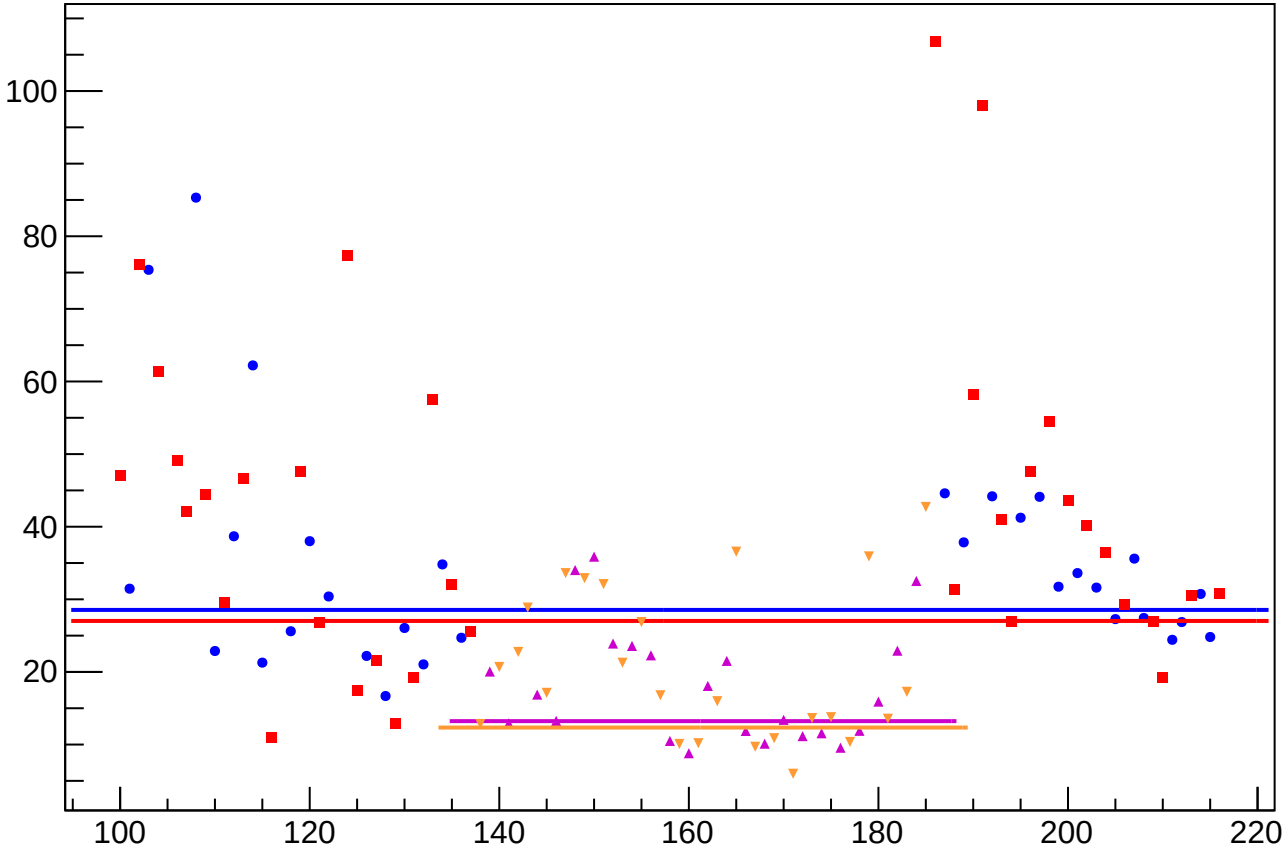
Right: 0.003+/-0.005 χ^2/NDF: 82.7/65

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.006+/-0.003 χ^2/NDF:108.9/59

All: 0.003+/-0.002 χ^2/NDF: 184.4/113

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 27.023+/-0.005 χ^2/NDF: 6009461.3/34

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

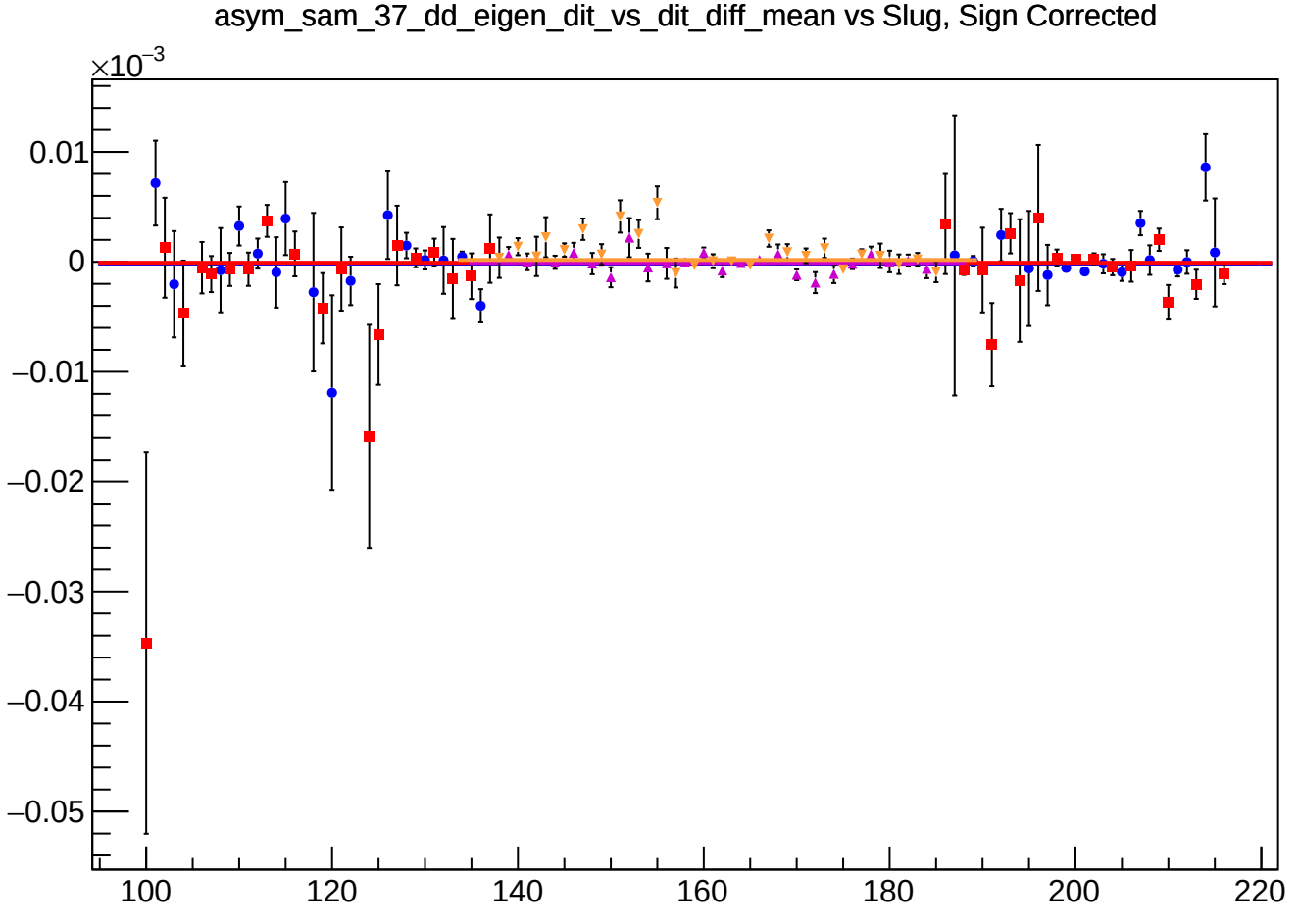
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.786+/-0.004 χ^2/NDF: 8385933.5/65

In: 16.264+/-0.002 χ^2/NDF:13255353.0/53

Out: 15.008+/-0.002 χ^2/NDF:19312509.5/59

All: 15.611+/-0.002 χ^2/NDF: 32722885.4/113



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: 44.4/34

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

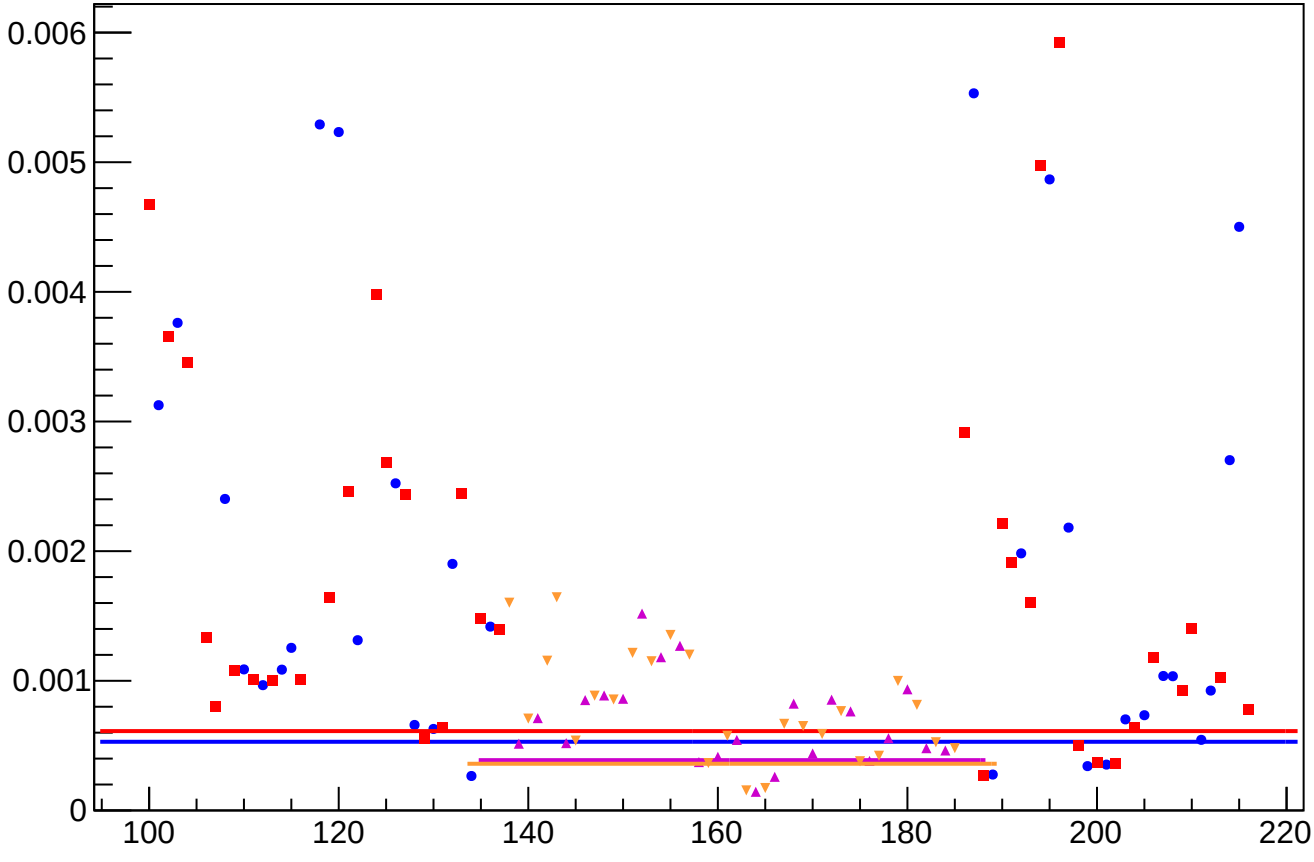
Right: -0.000+/-0.000 χ^2/NDF: 95.5/65

In: -0.000+/-0.000 χ^2/NDF:75.5/53

Out: 0.000+/-0.000 χ^2/NDF:107.2/59

All: 0.000+/-0.000 χ^2/NDF: 185.7/113

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: 13101932.3/34

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

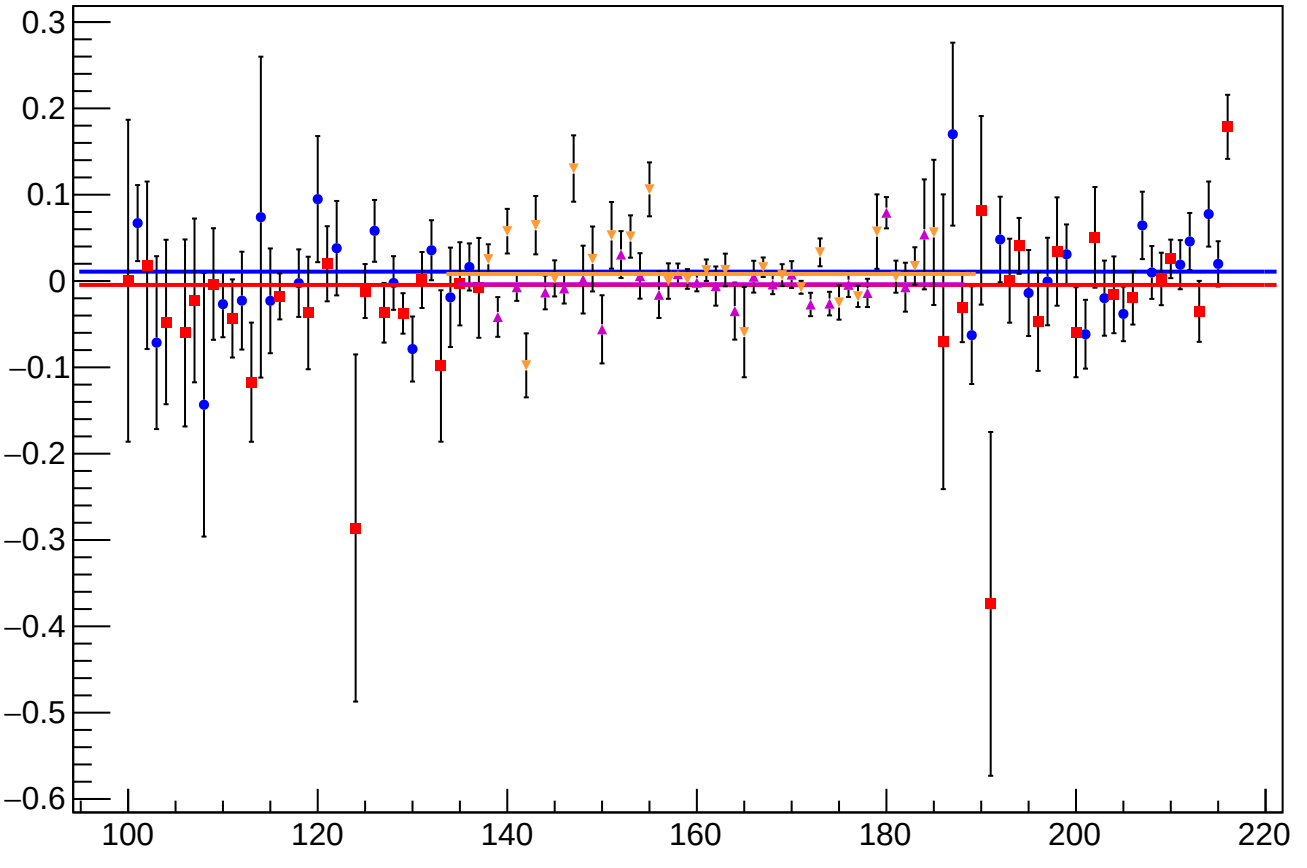
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 28300036.1/65

In: 0.000+/-0.000 χ^2/NDF:26430301.9/53

Out: 0.000+/-0.000 χ^2/NDF:29809080.5/59

All: 0.000+/-0.000 χ^2/NDF: 56259279.6/113



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: -0.005+/-0.007 χ^2/NDF: 47.6/34

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

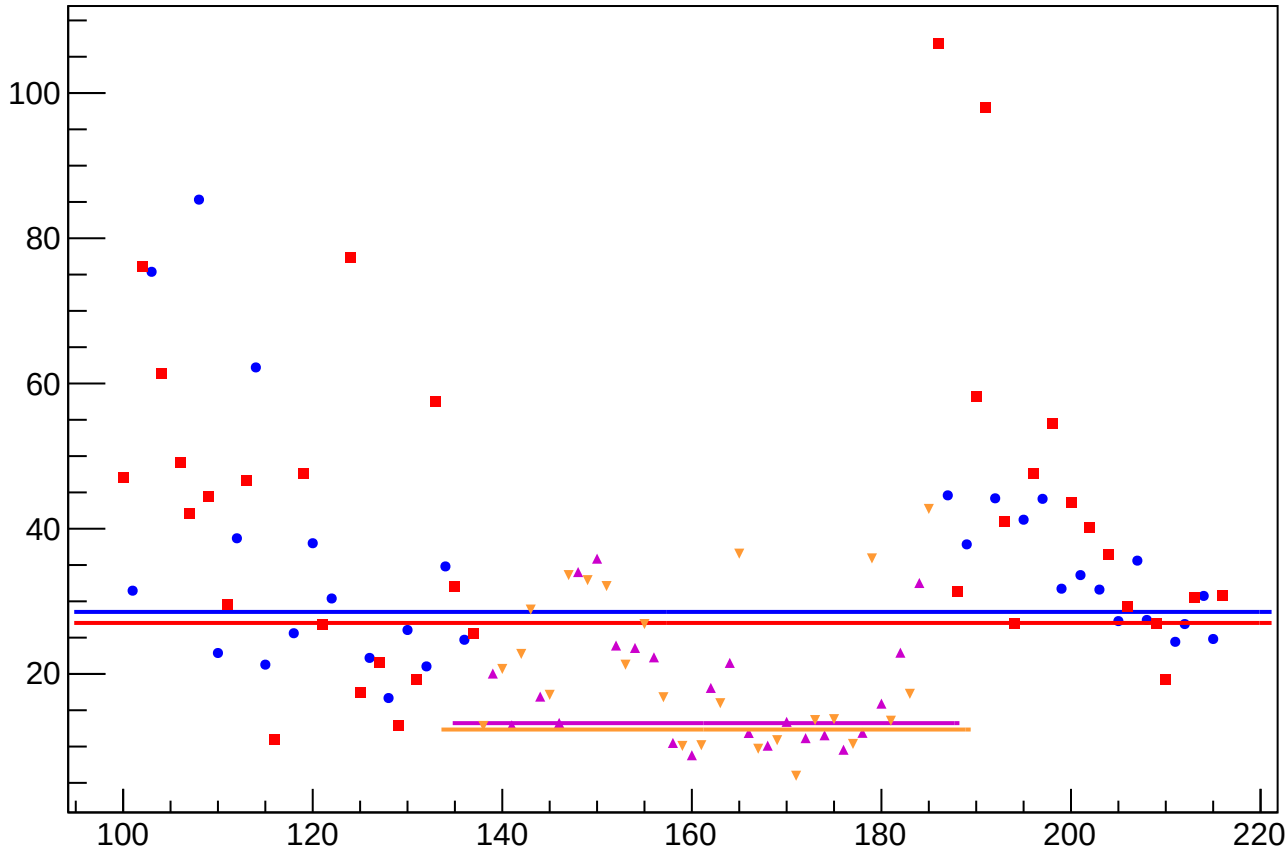
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: 0.003+/-0.005 χ^2/NDF: 82.7/65

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.006+/-0.003 χ^2/NDF:108.9/59

All: 0.003+/-0.002 χ^2/NDF: 184.4/113



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: 27.024+/-0.005 χ^2/NDF: 6009166.2/34

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

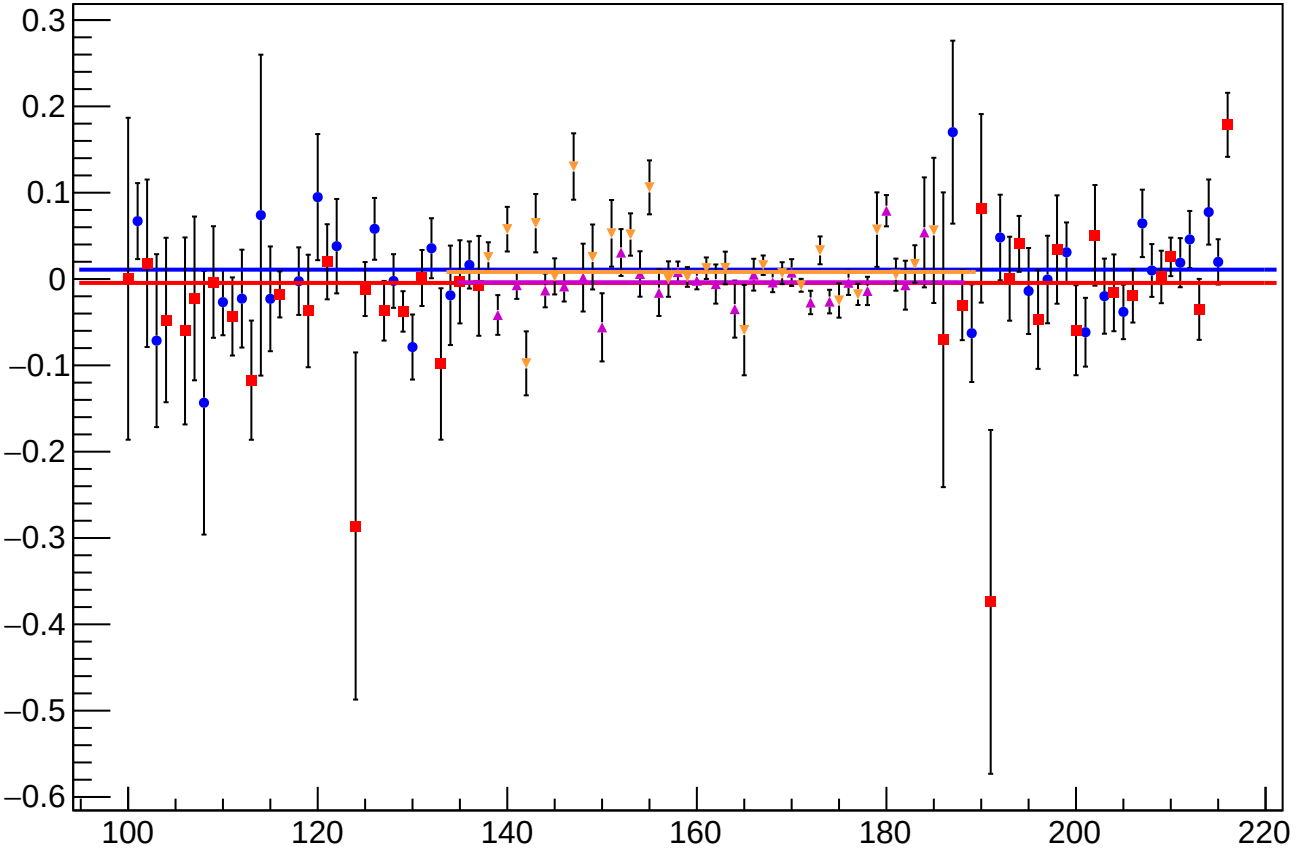
Right: 27.786+/-0.004 χ^2/NDF: 8385538.6/65

In: 16.264+/-0.002 χ^2/NDF:13255646.6/53

Out: 15.008+/-0.002 χ^2/NDF:19312649.1/59

All: 15.611+/-0.002 χ^2/NDF: 32723303.7/113

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: -0.005+/-0.007 χ^2/NDF: 47.6/34

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

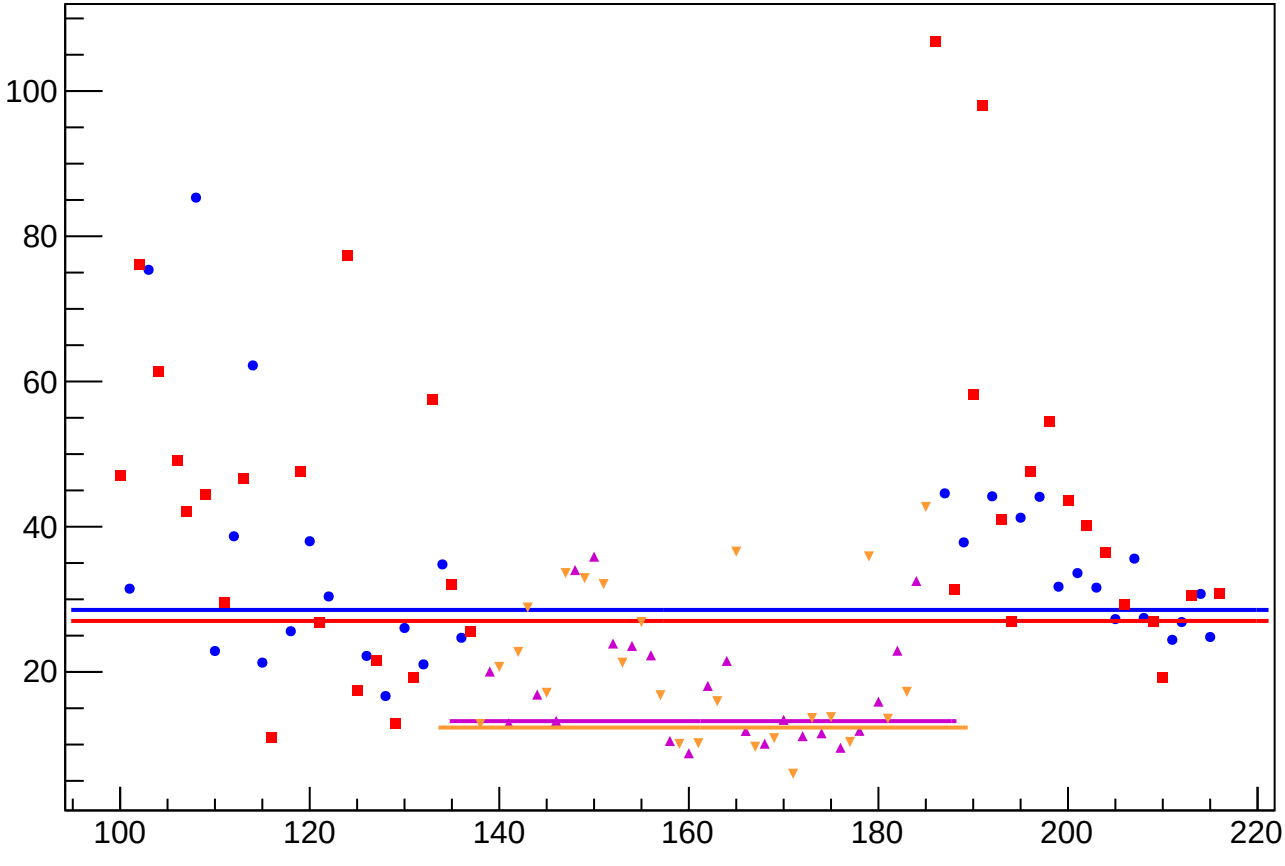
Right: 0.003+/-0.005 χ^2/NDF: 82.7/65

In: -0.001+/-0.003 χ^2/NDF:73.2/53

Out: 0.006+/-0.003 χ^2/NDF:108.9/59

All: 0.003+/-0.002 χ^2/NDF: 184.4/113

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: 27.024+/-0.005 χ^2/NDF: 6009166.2/34

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

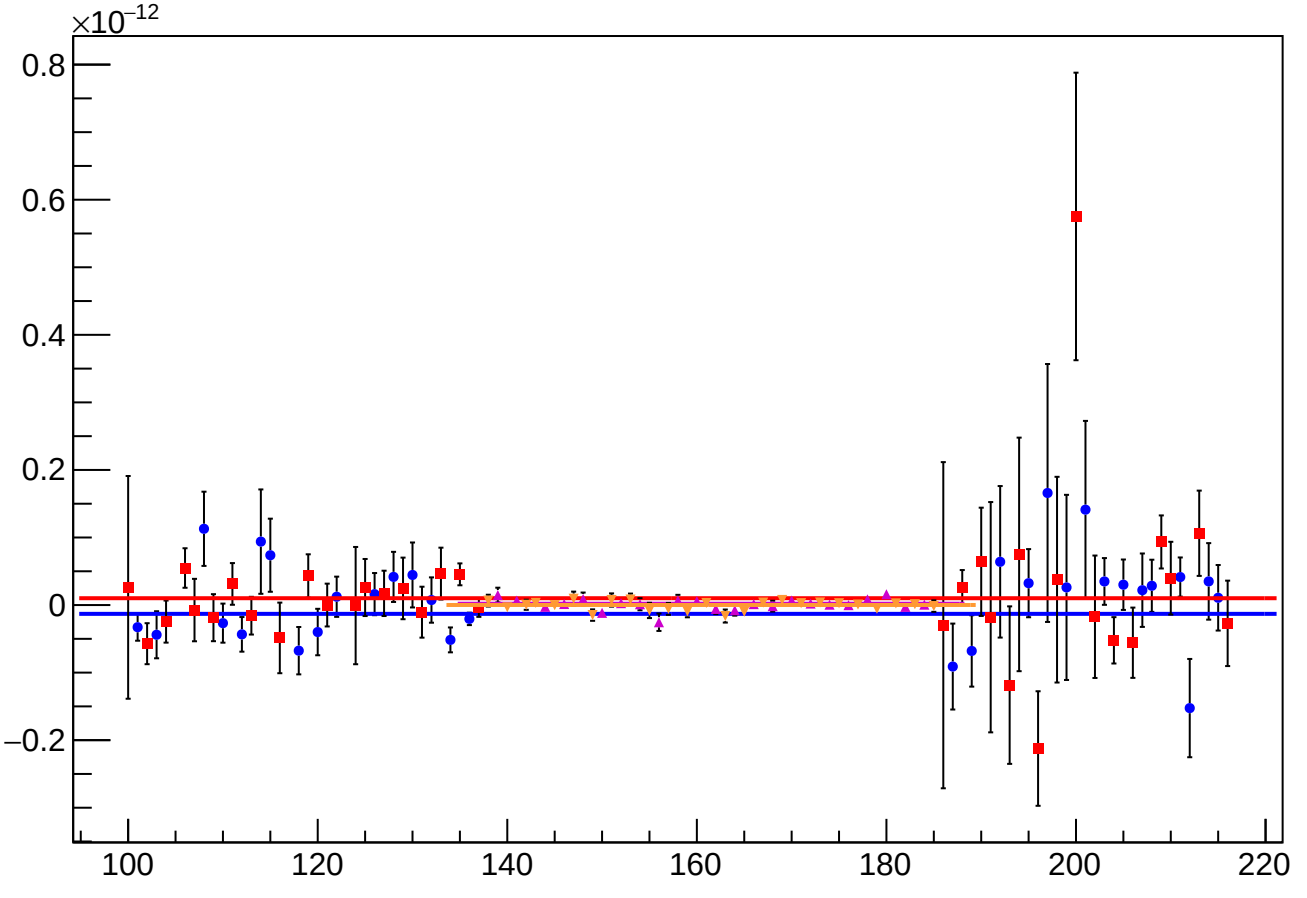
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.786+/-0.004 χ^2/NDF: 8385538.6/65

In: 16.264+/-0.002 χ^2/NDF:13255646.6/53

Out: 15.008+/-0.002 χ^2/NDF:19312649.1/59

All: 15.611+/-0.002 χ^2/NDF: 32723303.7/113



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: 49.0/34

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

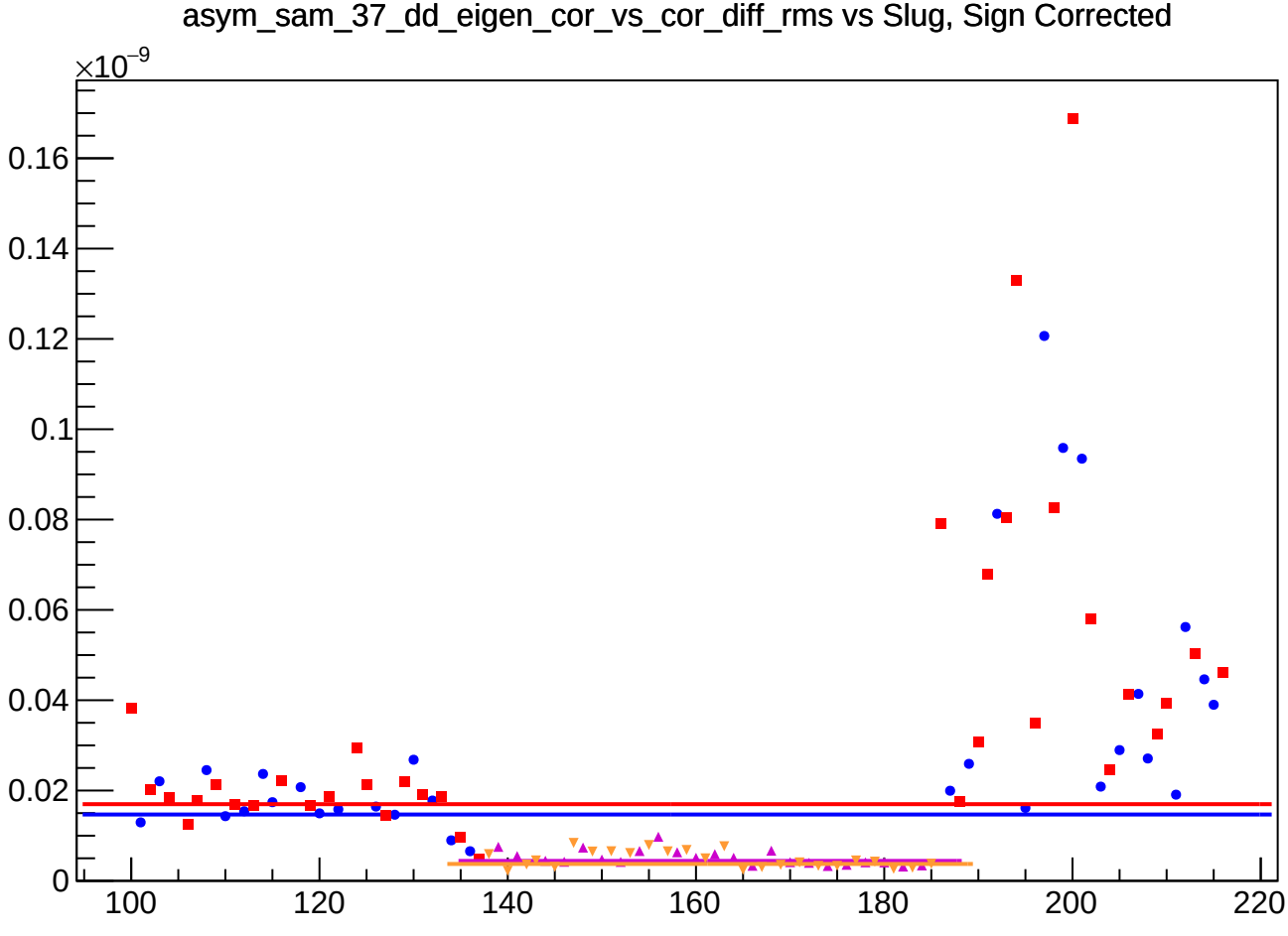
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 102.9/65

In: 0.000+/-0.000 χ^2/NDF:78.4/53

Out: 0.000+/-0.000 χ^2/NDF:73.1/59

All: 0.000+/-0.000 χ^2/NDF: 151.7/113



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: 8146333.0/34

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

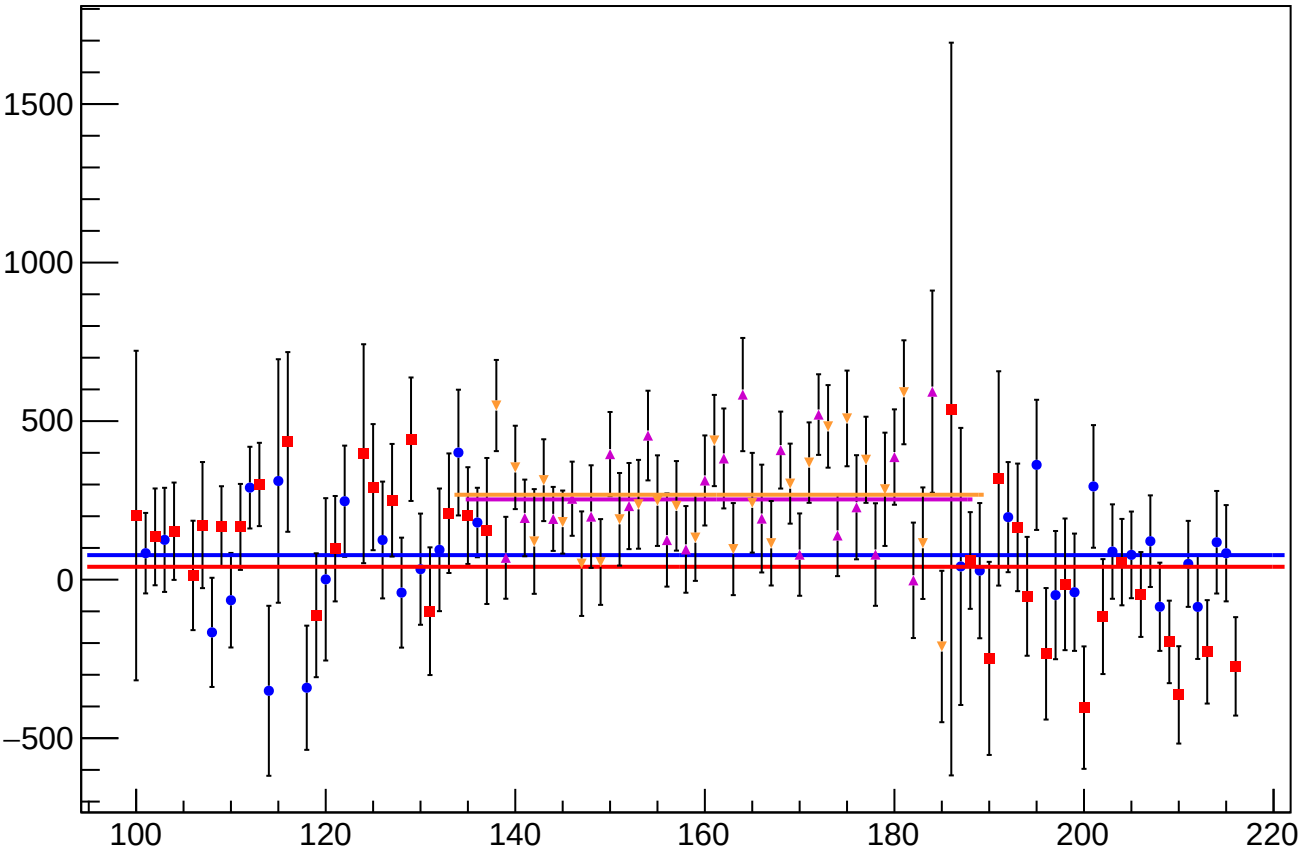
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16121250.0/65

In: 0.000+/-0.000 χ^2/NDF:16221340.2/53

Out: 0.000+/-0.000 χ^2/NDF:20246643.4/59

All: 0.000+/-0.000 χ^2/NDF: 36876886.0/113



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: 40.550+/-29.949 χ^2/NDF: 48.7/34

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

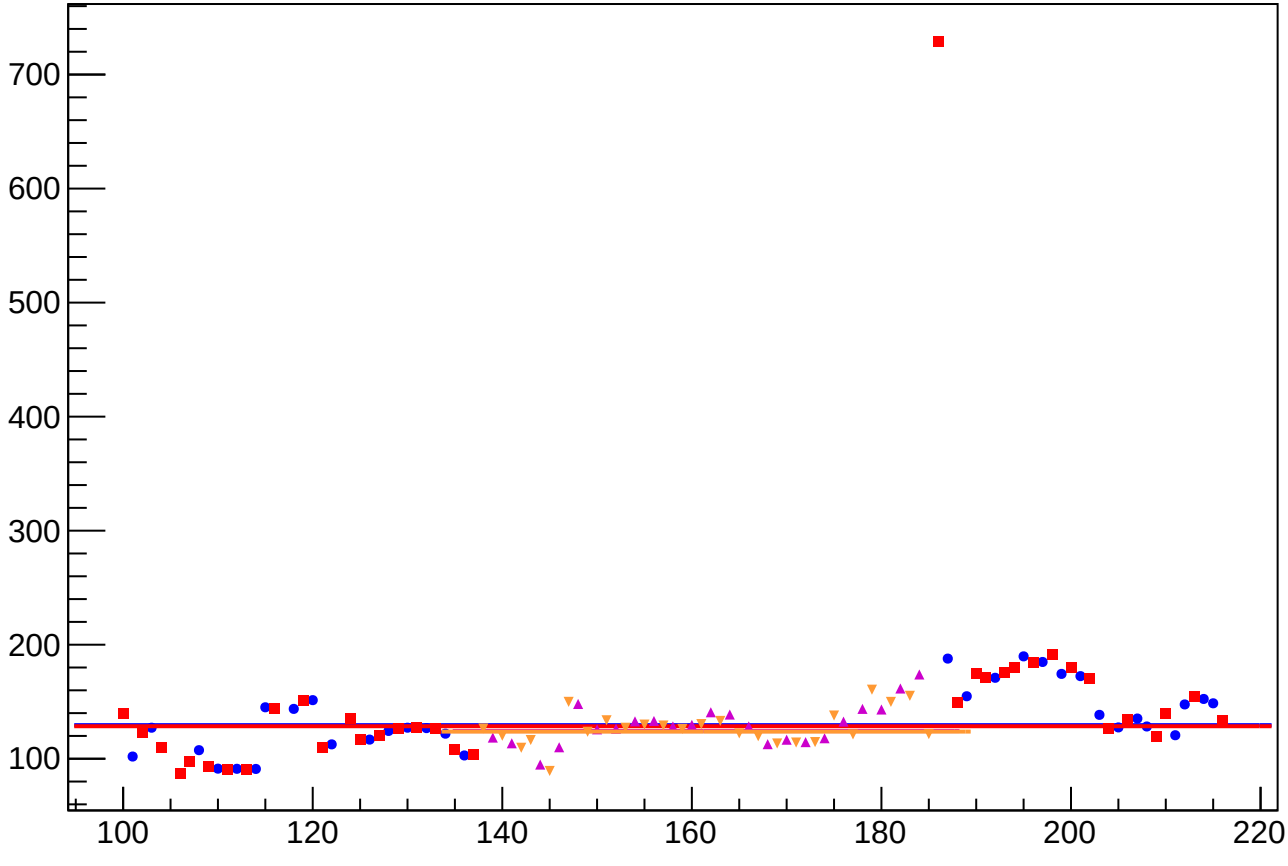
Right: 58.812+/-21.252 χ^2/NDF: 74.9/65

In: 167.705+/-21.022 χ^2/NDF:69.1/53

Out: 160.163+/-20.610 χ^2/NDF:110.0/59

All: 163.860+/-14.717 χ^2/NDF: 179.1/113

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: 128.505+/-0.021 χ^2/NDF: 2387880.6/34

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

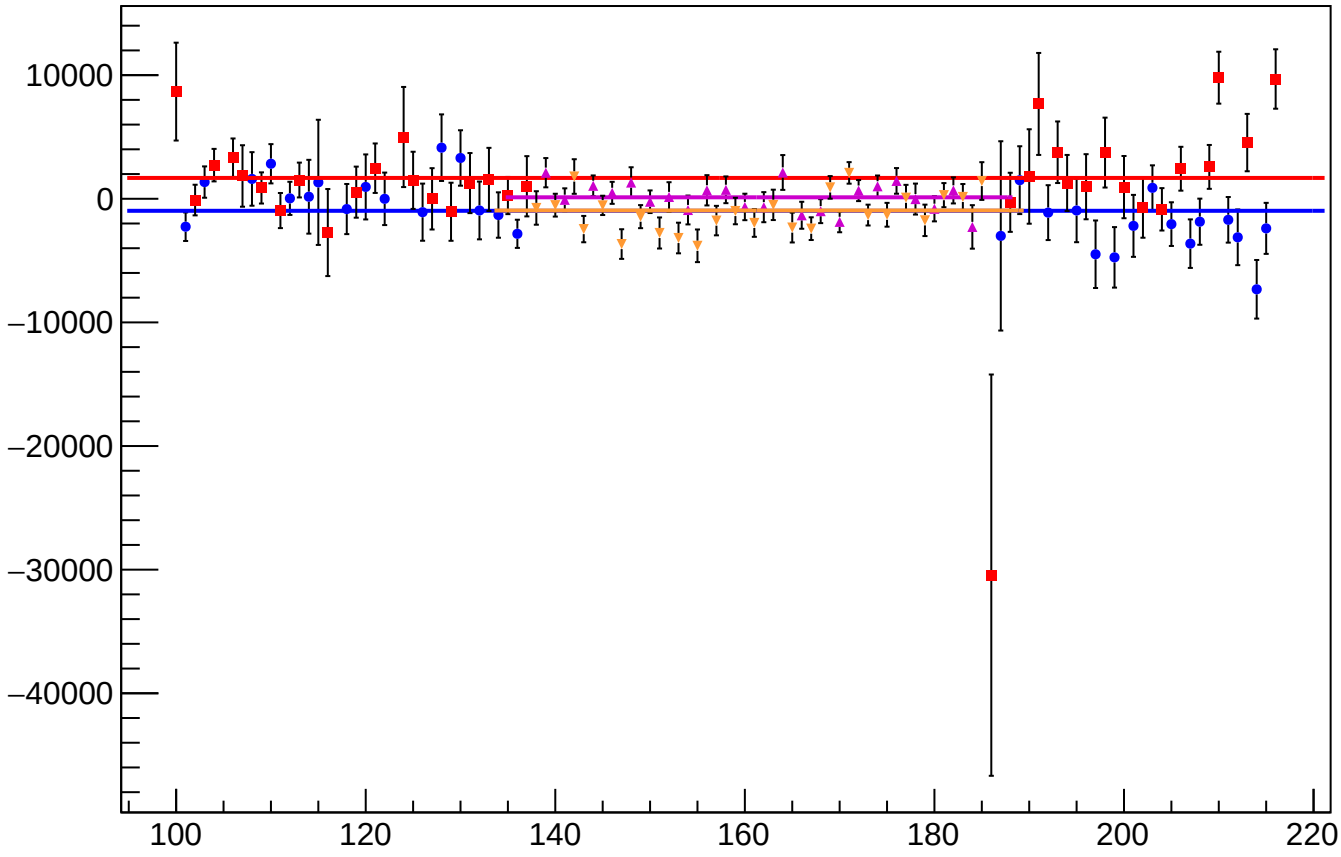
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 128.977+/-0.015 χ^2/NDF: 3878123.9/65

In: 126.783+/-0.015 χ^2/NDF:2076994.0/53

Out: 126.032+/-0.015 χ^2/NDF:3012229.5/59

All: 126.400+/-0.010 χ^2/NDF: 5090524.4/113



Right In: -973.510+/-351.116 χ^2/NDF: 40.7/30

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1685.359+/-344.885 χ^2/NDF: 55.6/34

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

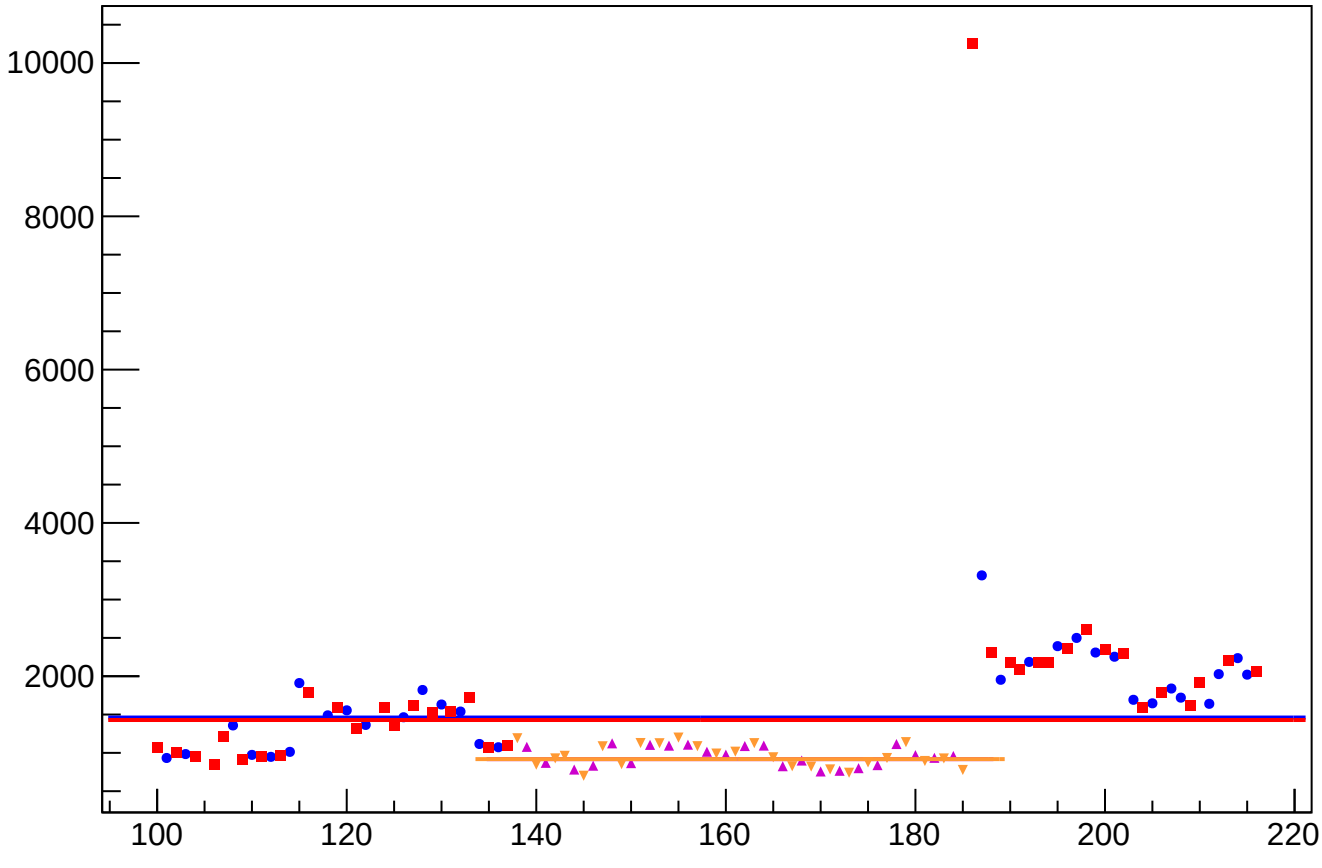
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 379.726+/-246.044 χ^2/NDF: 125.5/65

In: -183.703+/-184.693 χ^2/NDF:72.1/53

Out: -226.662+/-180.479 χ^2/NDF:148.2/59

All: -205.678+/-129.082 χ^2/NDF: 220.3/113



Right In: 1460.894+/-0.248 χ^2/NDF: 3667731.8/30

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1428.631+/-0.244 χ^2/NDF: 4944723.3/34

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

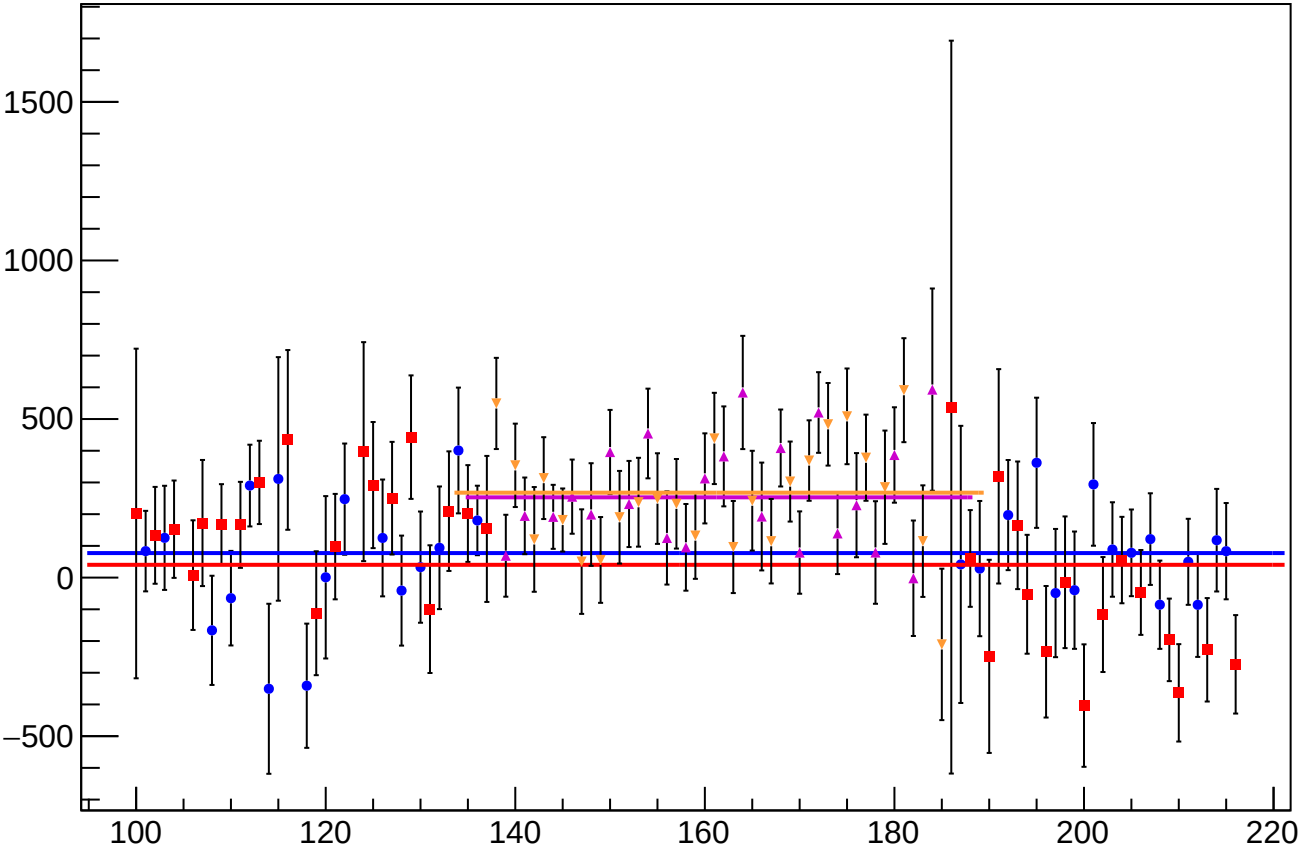
Right: 1444.474+/-0.174 χ^2/NDF: 8621049.9/65

In: 1068.371+/-0.131 χ^2/NDF:7789717.4/53

Out: 1058.198+/-0.128 χ^2/NDF:9009938.5/59

All: 1063.167+/-0.091 χ^2/NDF: 16802759.8/1

cor_asym_sam_48_dd_mean vs Slug, Sign Corrected



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: 40.326+/-29.951 χ^2/NDF: 48.7/34

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

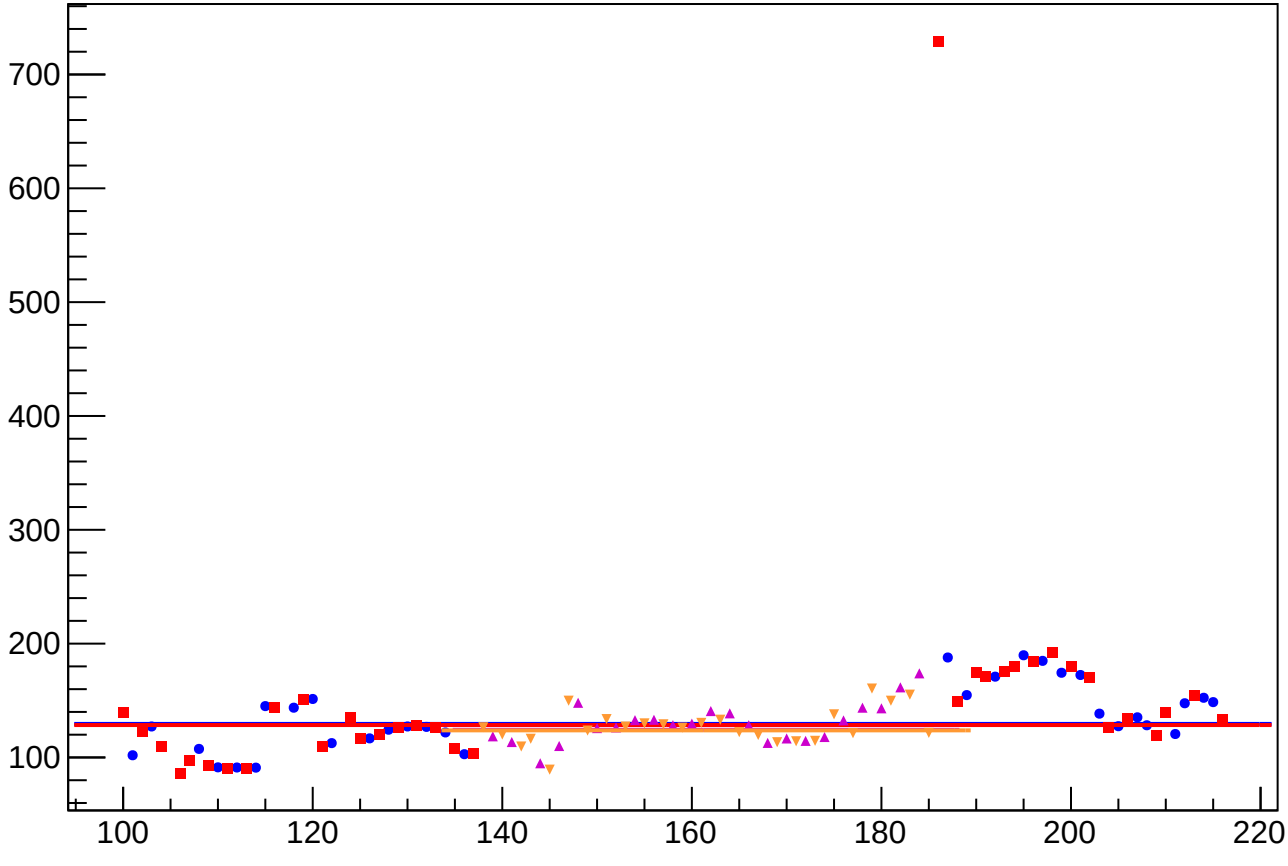
Right: 58.698+/-21.253 χ^2/NDF: 74.9/65

In: 167.704+/-21.022 χ^2/NDF:69.1/53

Out: 160.070+/-20.611 χ^2/NDF:110.0/59

All: 163.812+/-14.717 χ^2/NDF: 179.2/113

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: 128.478+/-0.021 χ^2/NDF: 2393854.4/34

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

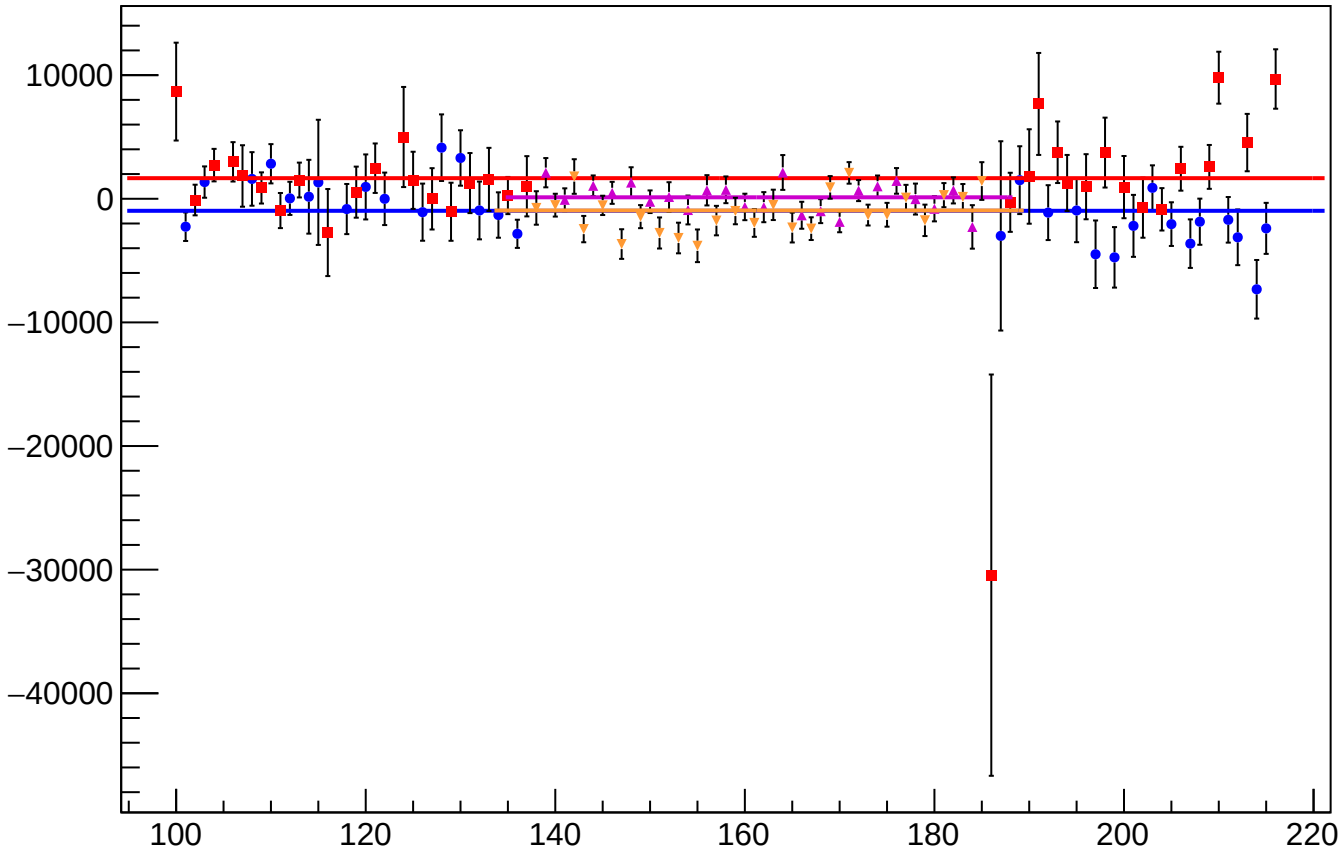
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 128.963+/-0.015 χ^2/NDF: 3884156.5/65

In: 126.783+/-0.015 χ^2/NDF:2076994.0/53

Out: 126.019+/-0.015 χ^2/NDF:3017897.6/59

All: 126.394+/-0.010 χ^2/NDF: 5096238.9/113



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: 1666.262+/-345.283 χ^2/NDF: 55.1/34

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

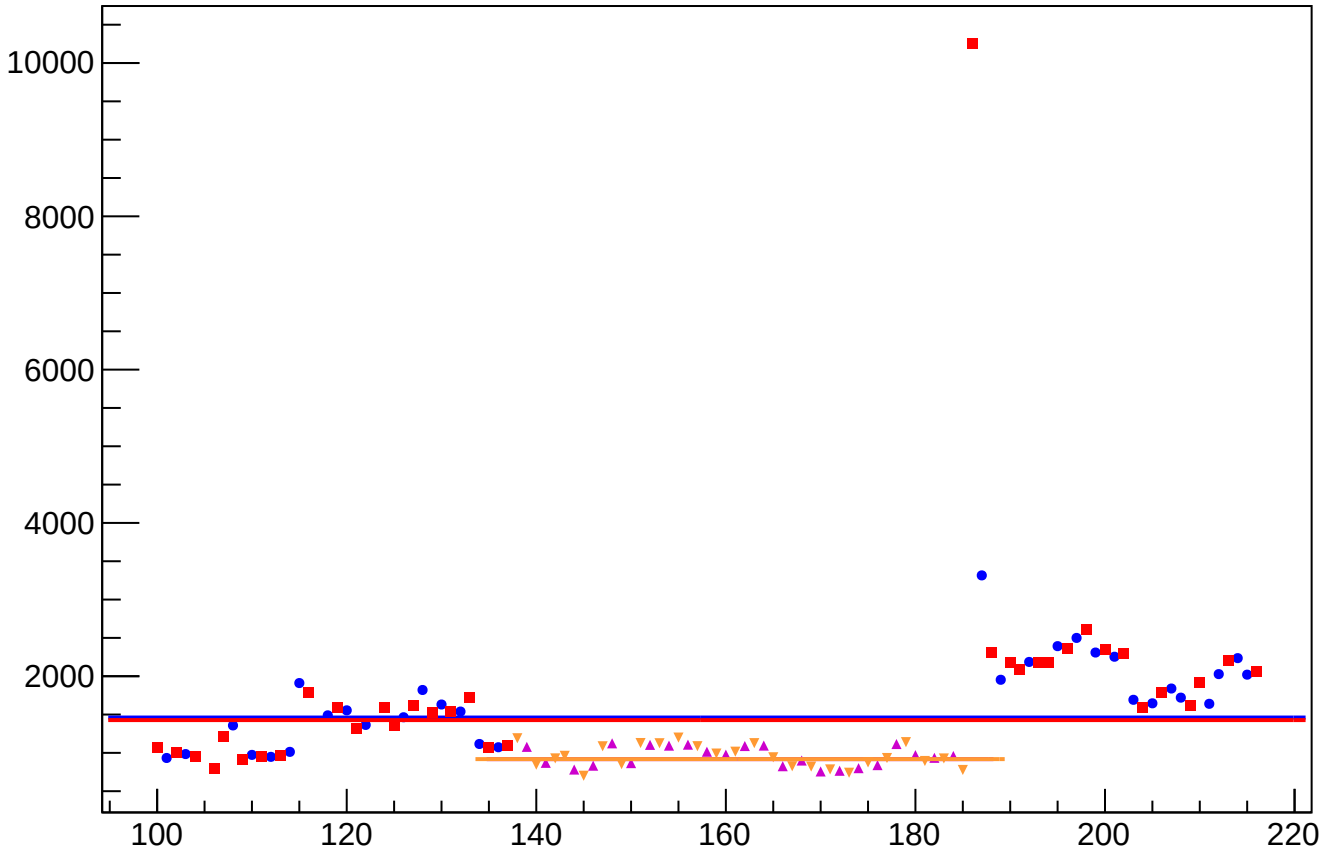
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 368.460+/-246.189 χ^2/NDF: 124.6/65

In: -183.716+/-184.694 χ^2/NDF:72.1/53

Out: -233.083+/-180.536 χ^2/NDF:147.1/59

All: -208.961+/-129.103 χ^2/NDF: 219.2/113



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: 1427.616+/-0.244 χ^2/NDF: 4979756.7/34

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

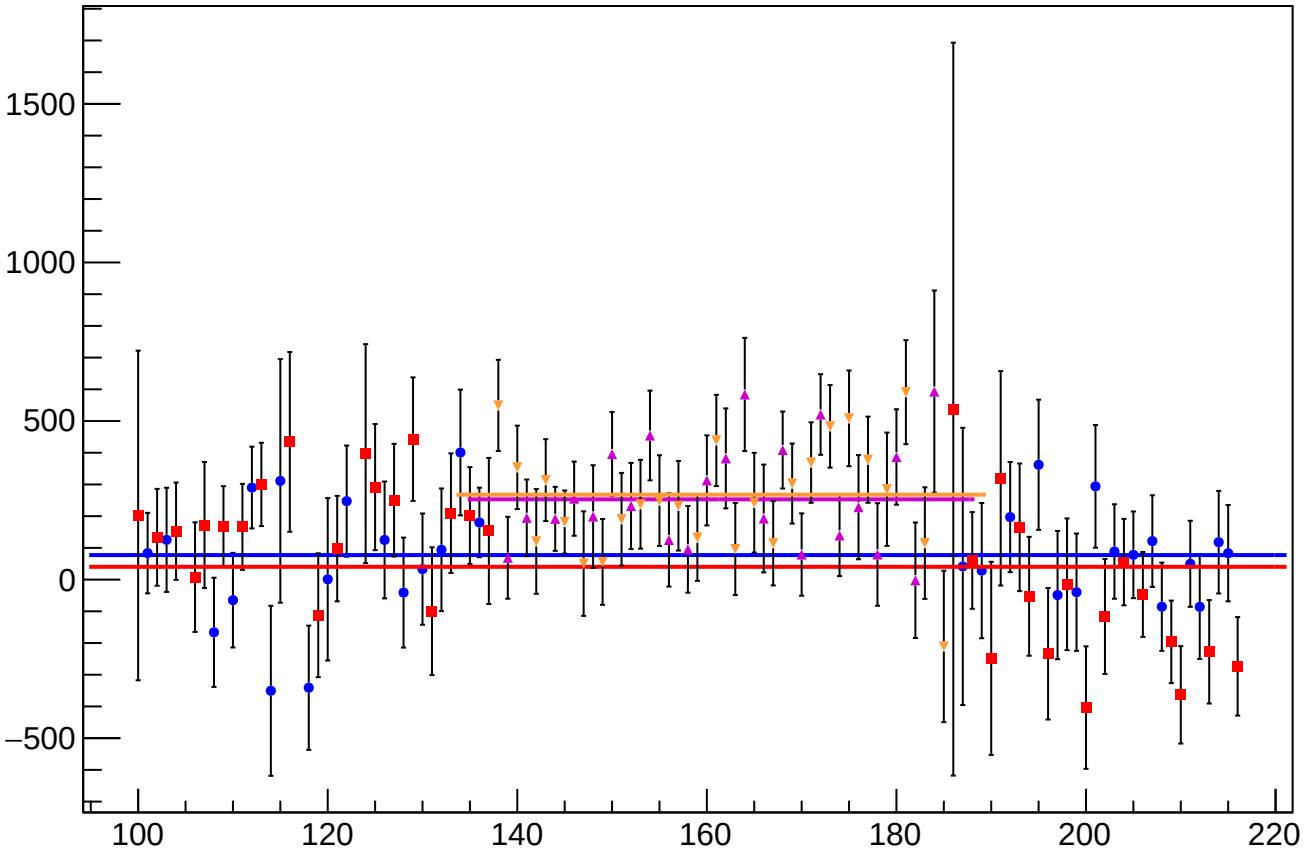
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1443.981+/-0.174 χ^2/NDF: 8656524.8/65

In: 1068.373+/-0.131 χ^2/NDF:7789703.6/53

Out: 1057.687+/-0.128 χ^2/NDF:9027043.4/59

All: 1062.908+/-0.091 χ^2/NDF: 16820170.7/1



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: 40.326+/-29.951 χ^2/NDF: 48.7/34

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

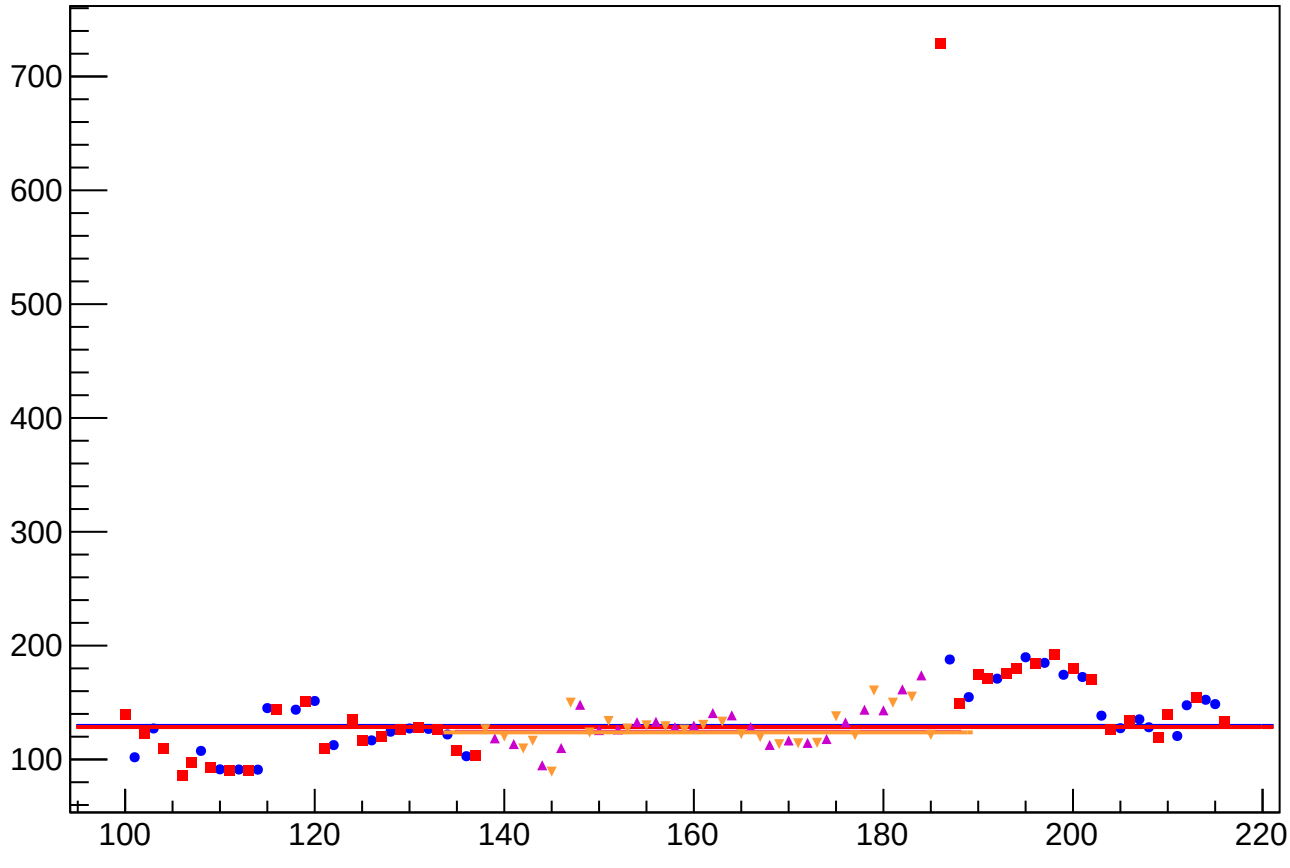
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 58.698+/-21.253 χ^2/NDF: 74.9/65

In: 167.704+/-21.022 χ^2/NDF:69.1/53

Out: 160.070+/-20.611 χ^2/NDF:110.0/59

All: 163.812+/-14.717 χ^2/NDF: 179.2/113



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: 128.478+/-0.021 χ^2/NDF: 2393854.4/34

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

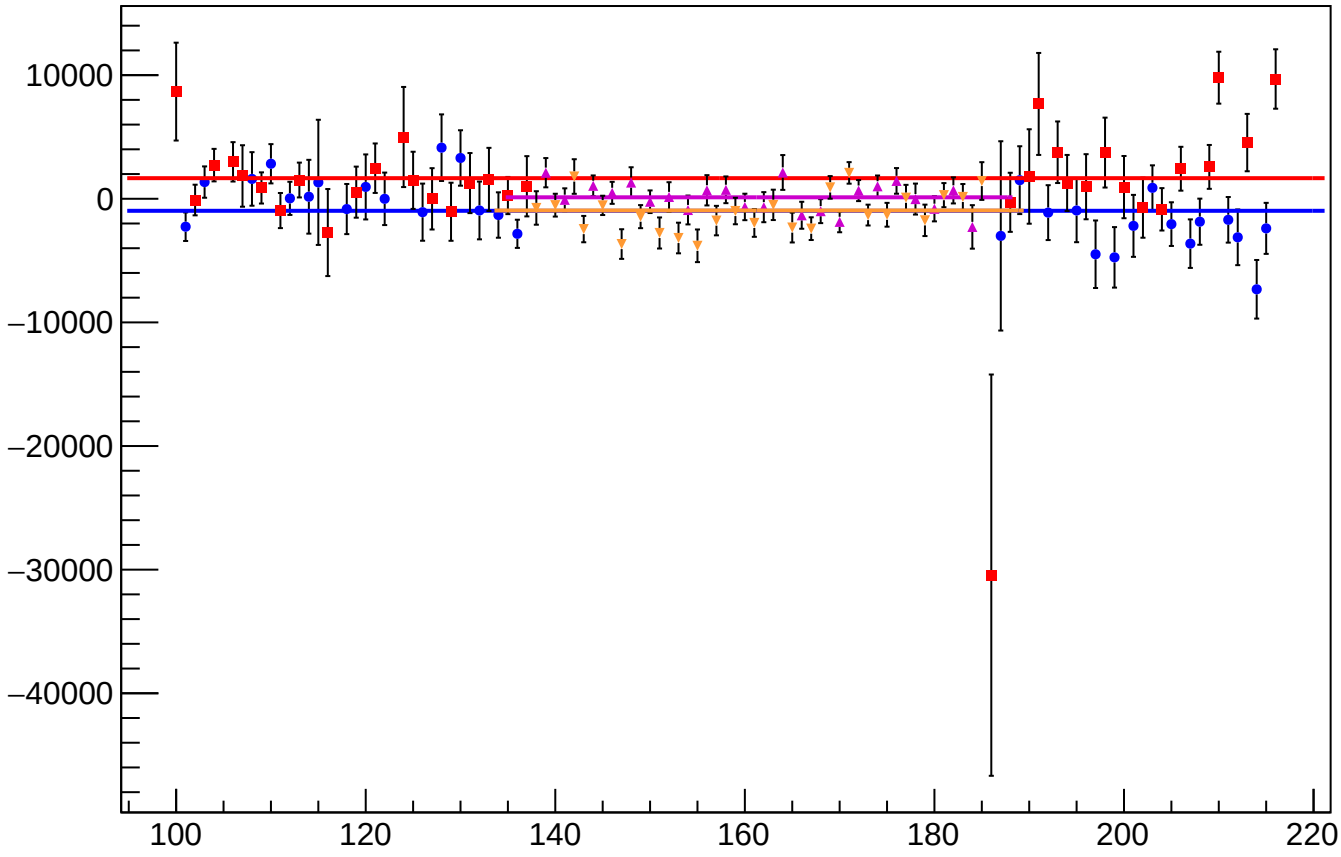
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 128.963+/-0.015 χ^2/NDF: 3884156.5/65

In: 126.783+/-0.015 χ^2/NDF:2076994.0/53

Out: 126.019+/-0.015 χ^2/NDF:3017897.6/59

All: 126.394+/-0.010 χ^2/NDF: 5096238.9/113



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: 1666.262+/-345.283 χ^2/NDF: 55.1/34

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

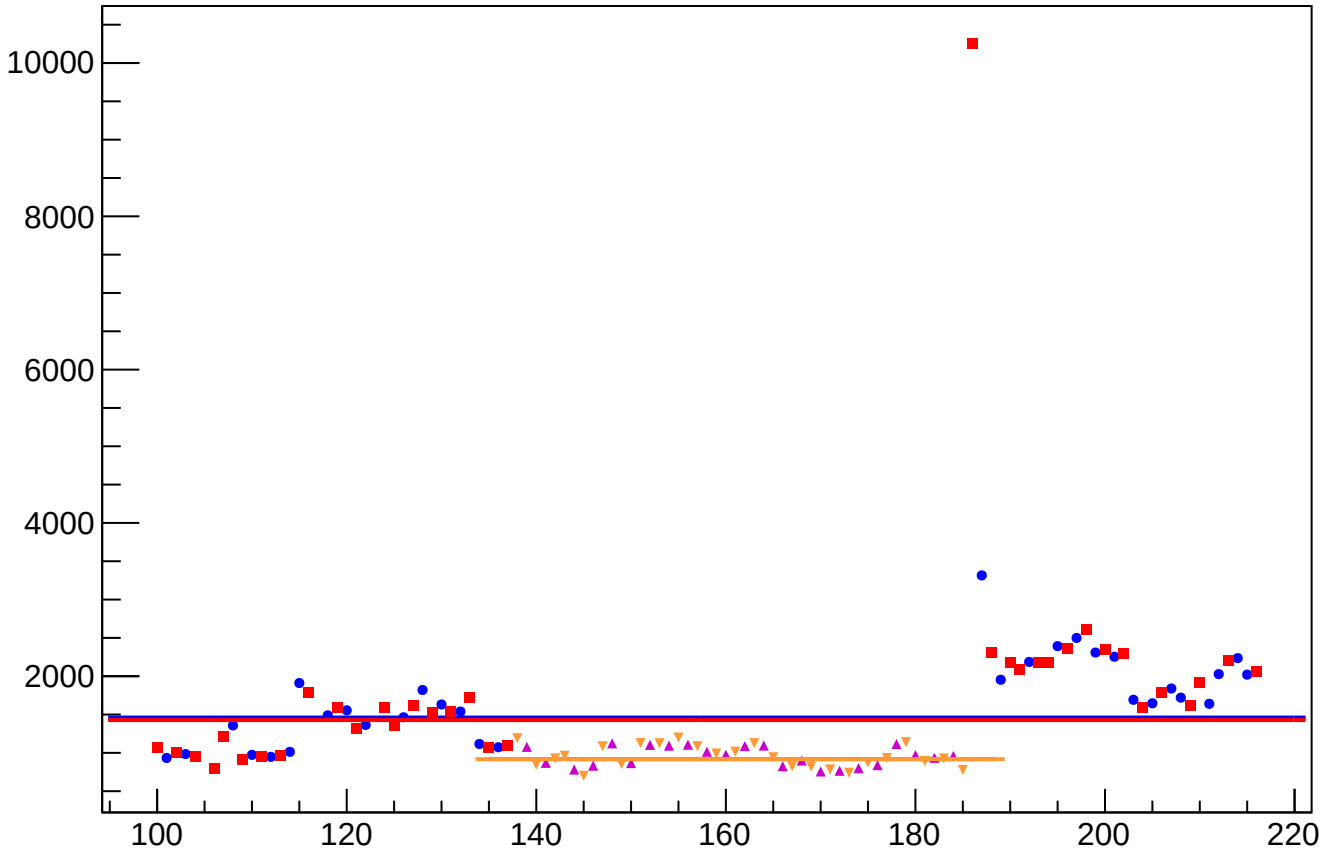
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 368.460+/-246.189 χ^2/NDF: 124.6/65

In: -183.716+/-184.694 χ^2/NDF:72.1/53

Out: -233.083+/-180.536 χ^2/NDF:147.1/59

All: -208.961+/-129.103 χ^2/NDF: 219.2/113



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: 1427.616+/-0.244 χ^2/NDF: 4979756.7/34

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

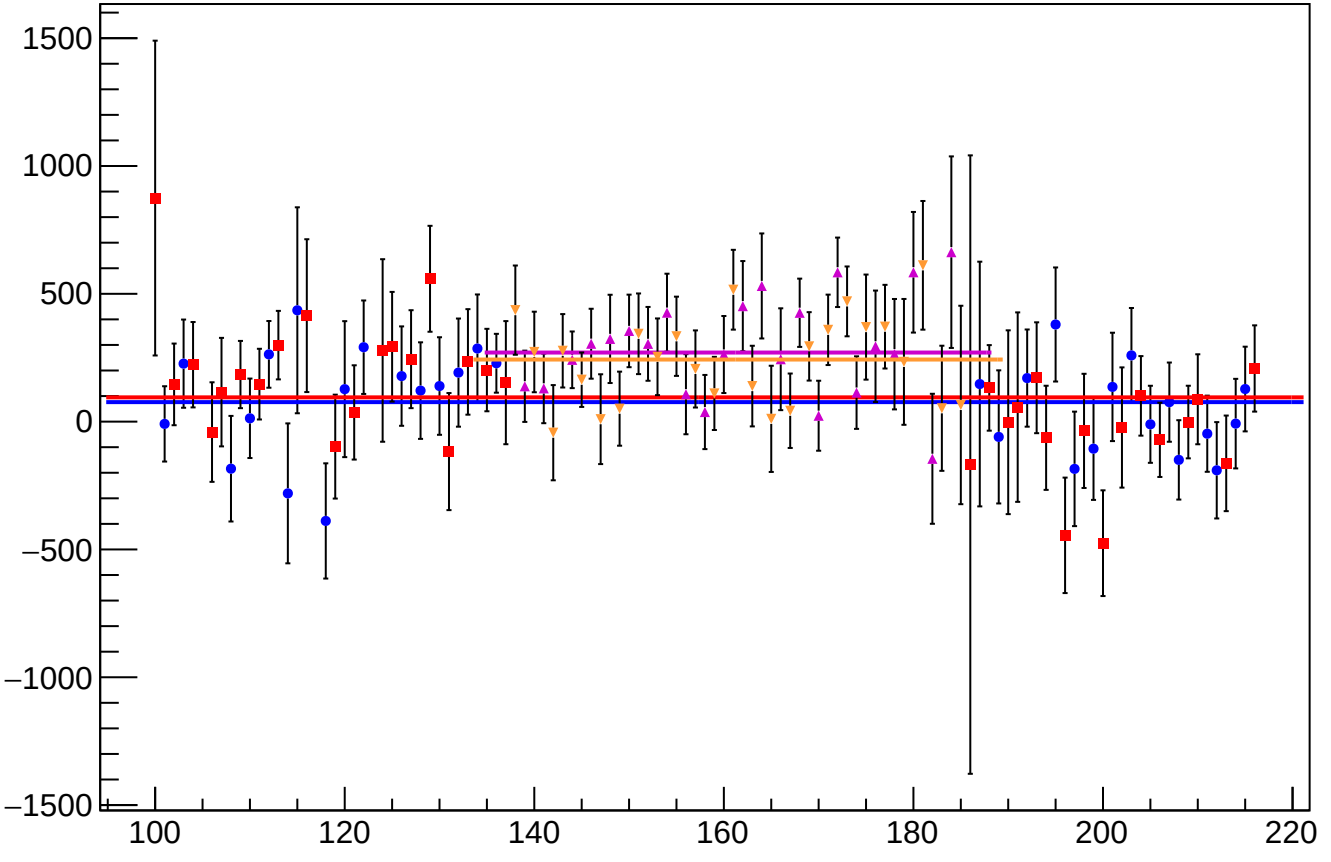
Right: 1443.981+/-0.174 χ^2/NDF: 8656524.8/65

In: 1068.373+/-0.131 χ^2/NDF:7789703.6/53

Out: 1057.687+/-0.128 χ^2/NDF:9027043.4/59

All: 1062.908+/-0.091 χ^2/NDF: 16820170.7/1

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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: 94.952+/-32.488 χ^2/NDF: 35.4/34

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

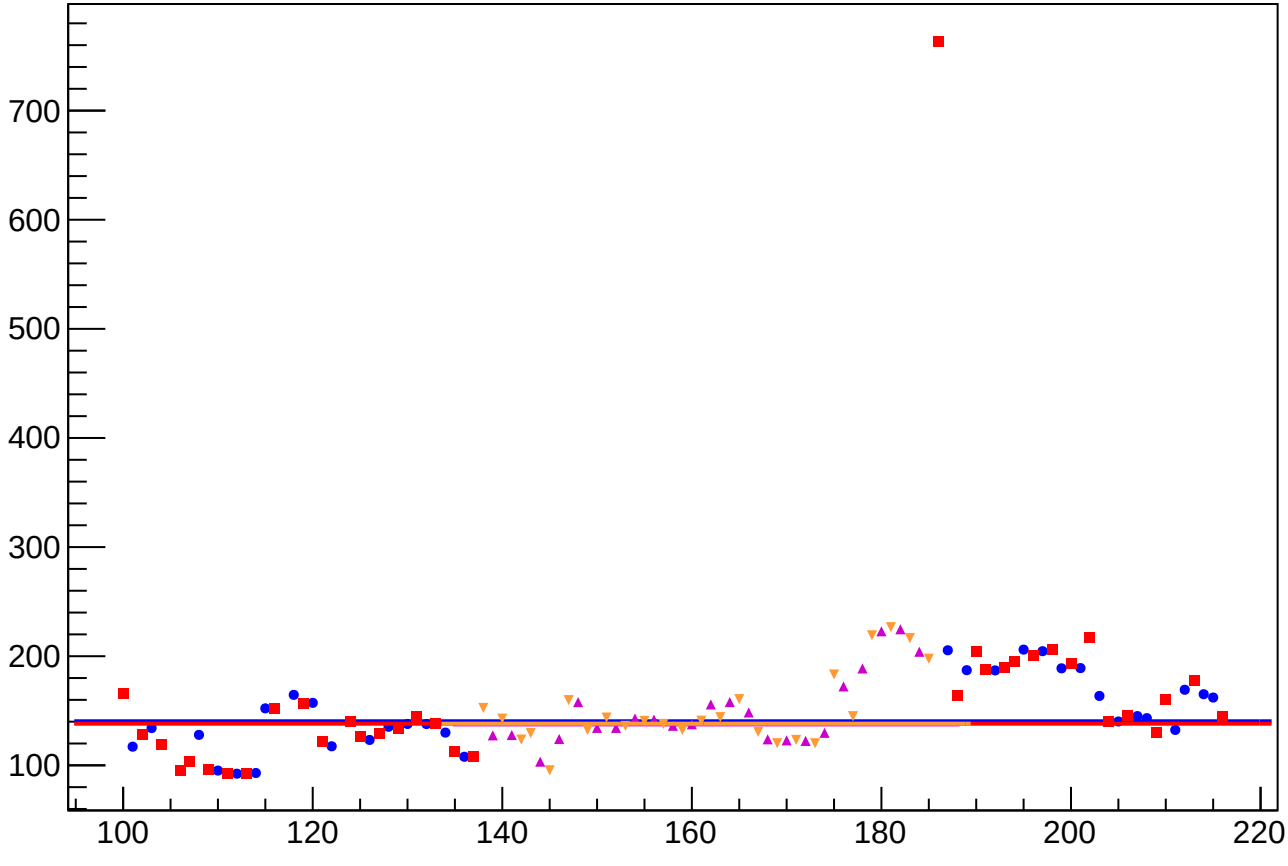
Right: 85.762+/-23.134 χ^2/NDF: 63.1/65

In: 173.440+/-23.279 χ^2/NDF:71.7/53

Out: 169.721+/-22.848 χ^2/NDF:69.5/59

All: 171.546+/-16.306 χ^2/NDF: 141.2/113

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: 138.149+/-0.023 χ^2/NDF: 2764826.7/34

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

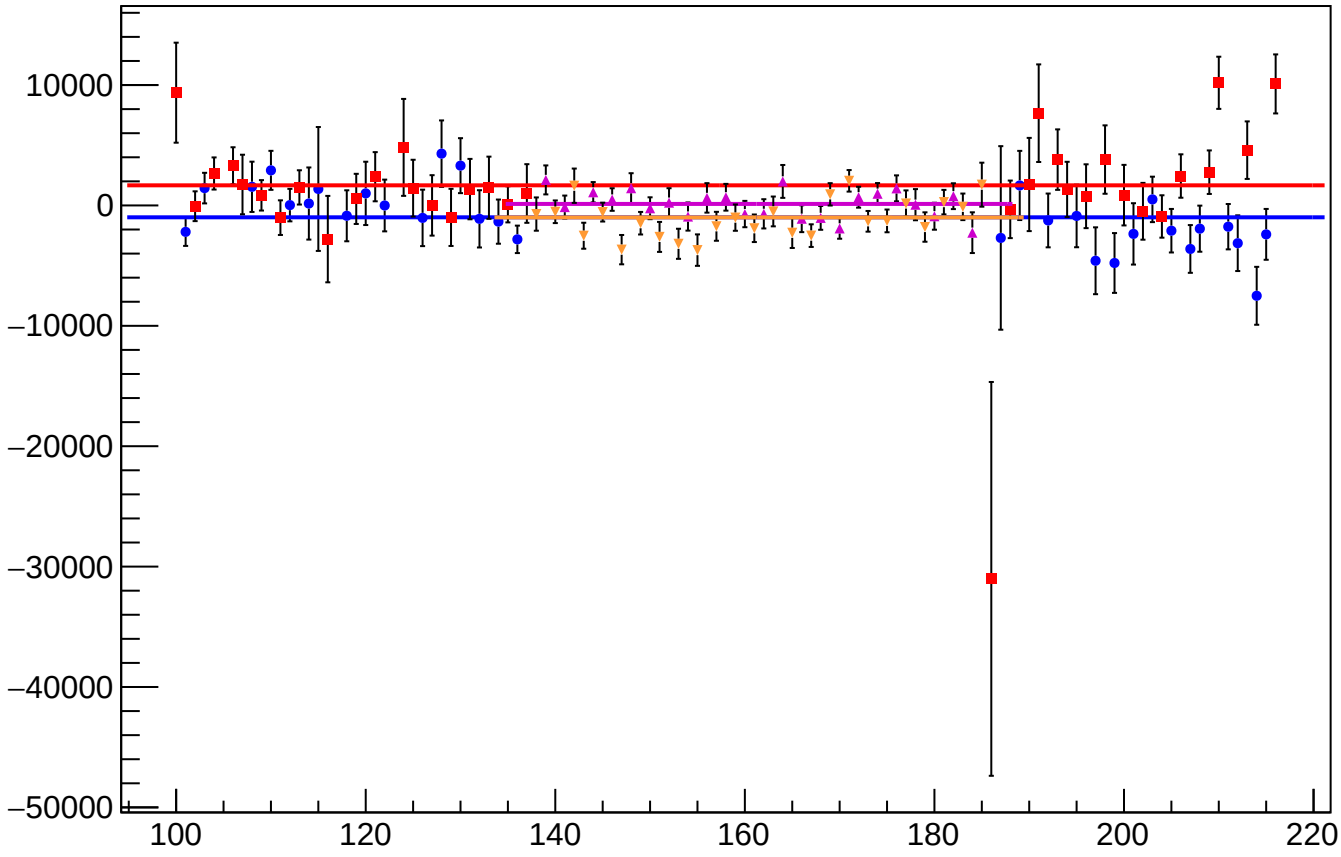
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 139.244+/-0.016 χ^2/NDF: 4519637.1/65

In: 138.928+/-0.016 χ^2/NDF:2867182.8/53

Out: 138.138+/-0.016 χ^2/NDF:4103135.7/59

All: 138.526+/-0.012 χ^2/NDF: 6971491.7/113



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: 1670.181+/-347.922 χ^2/NDF: 57.2/34

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

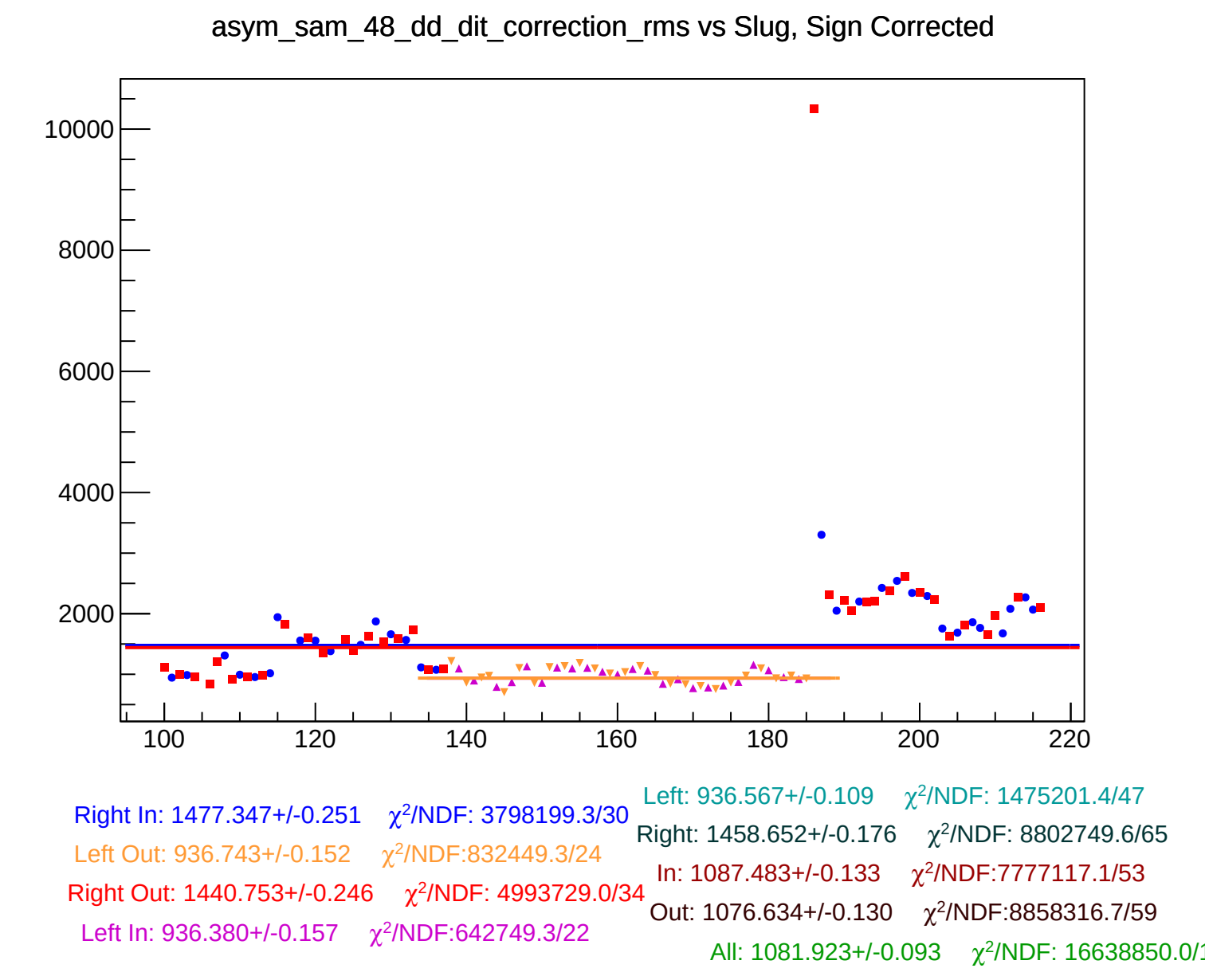
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

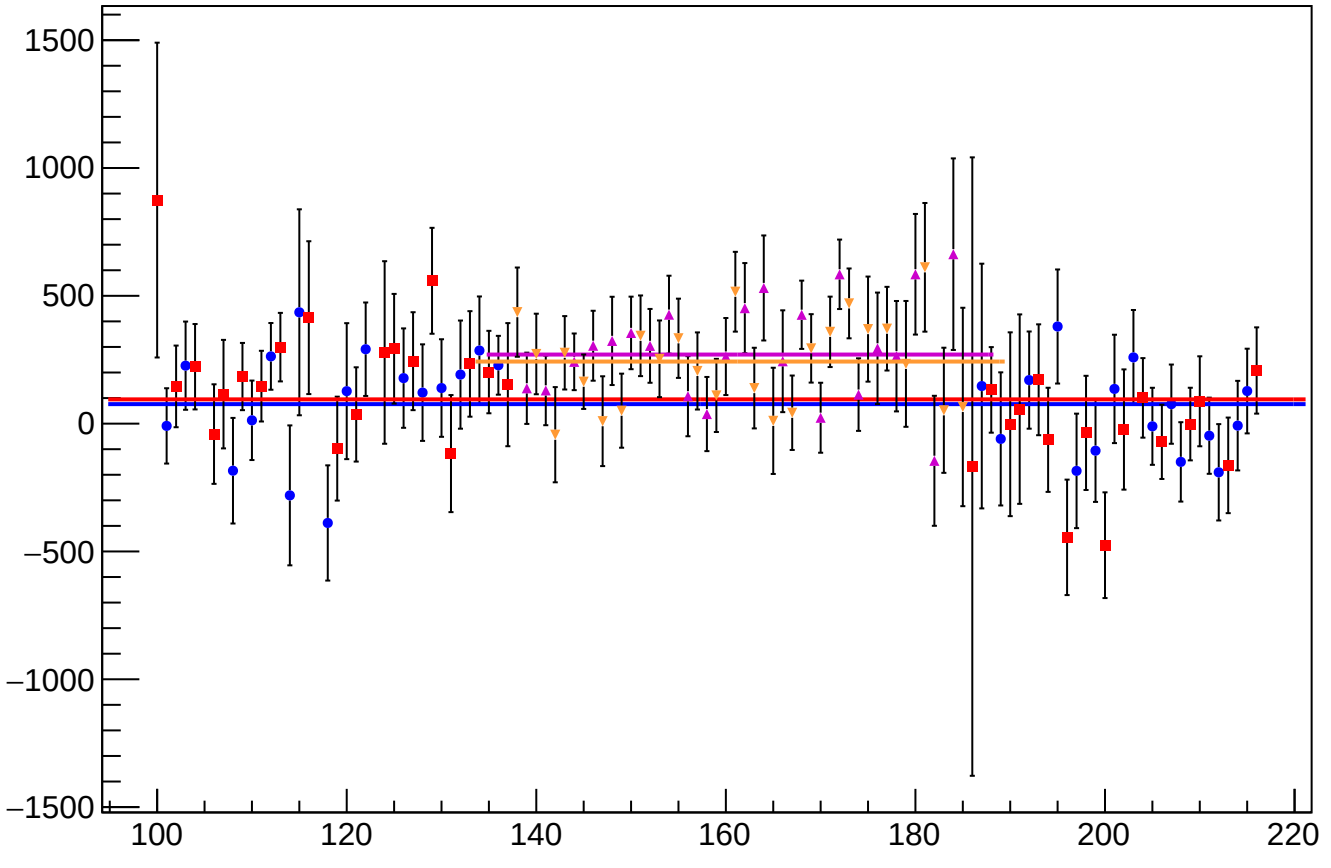
Right: 370.835+/-248.680 χ^2/NDF: 126.3/65

In: -185.513+/-187.924 χ^2/NDF:71.5/53

Out: -253.993+/-183.297 χ^2/NDF:146.5/59

All: -220.607+/-131.216 χ^2/NDF: 218.0/113


asym_sam_48_dd_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1477.347+/-0.251 χ²/NDF: 3798199.3/30
Left Out: 936.743+/-0.152 χ²/NDF:832449.3/24
Right Out: 1440.753+/-0.246 χ²/NDF: 4993729.0/34
Left In: 936.380+/-0.157 χ²/NDF:642749.3/22
Left: 936.567+/-0.109 χ²/NDF: 1475201.4/47
Right: 1458.652+/-0.176 χ²/NDF: 8802749.6/65
In: 1087.483+/-0.133 χ²/NDF:7777117.1/53
Out: 1076.634+/-0.130 χ²/NDF:8858316.7/59
All: 1081.923+/-0.093 χ²/NDF: 16638850.0/1



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: 94.950+/-32.488 χ^2/NDF: 35.4/34

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

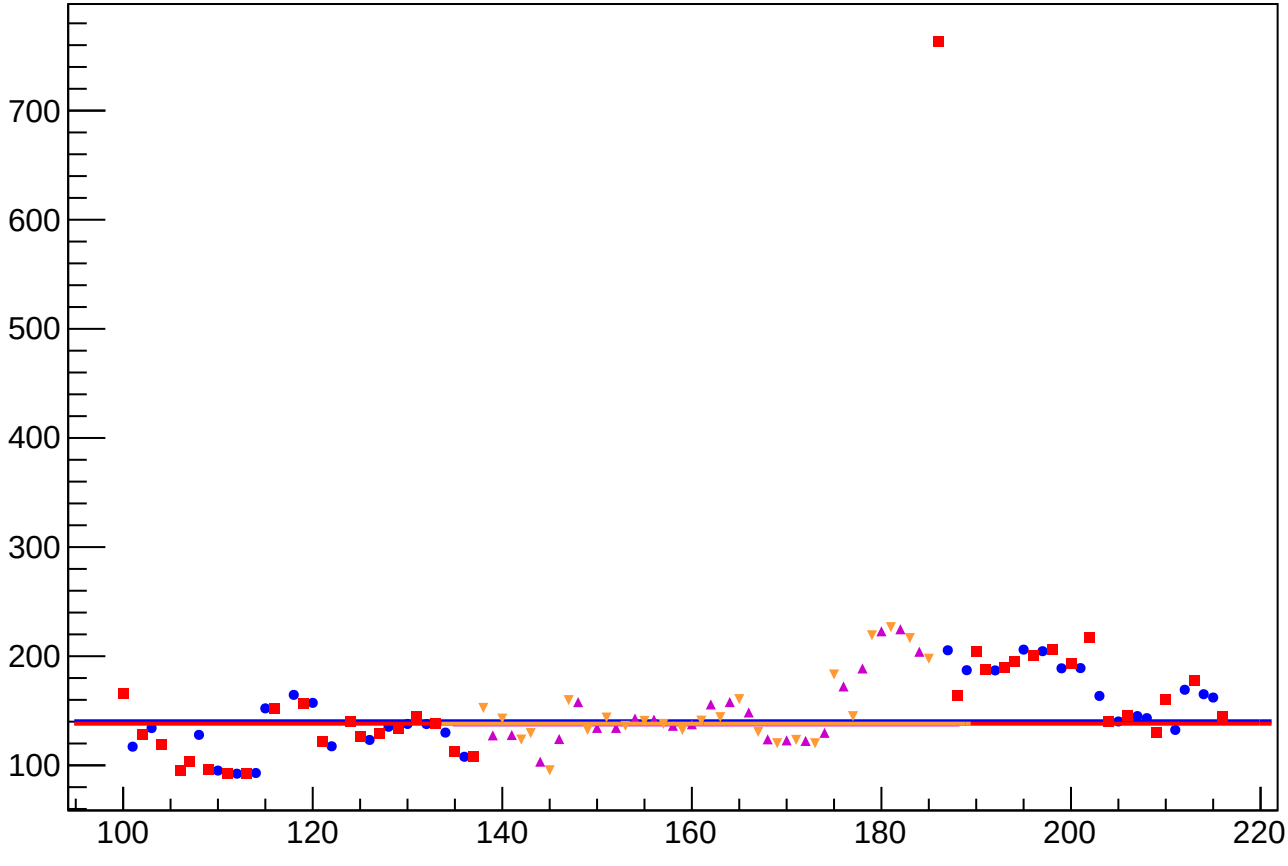
Right: 85.762+/-23.134 χ^2/NDF: 63.1/65

In: 173.442+/-23.279 χ^2/NDF:71.7/53

Out: 169.721+/-22.848 χ^2/NDF:69.5/59

All: 171.547+/-16.306 χ^2/NDF: 141.2/113

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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: 138.149+/-0.023 χ^2/NDF: 2764830.9/34

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

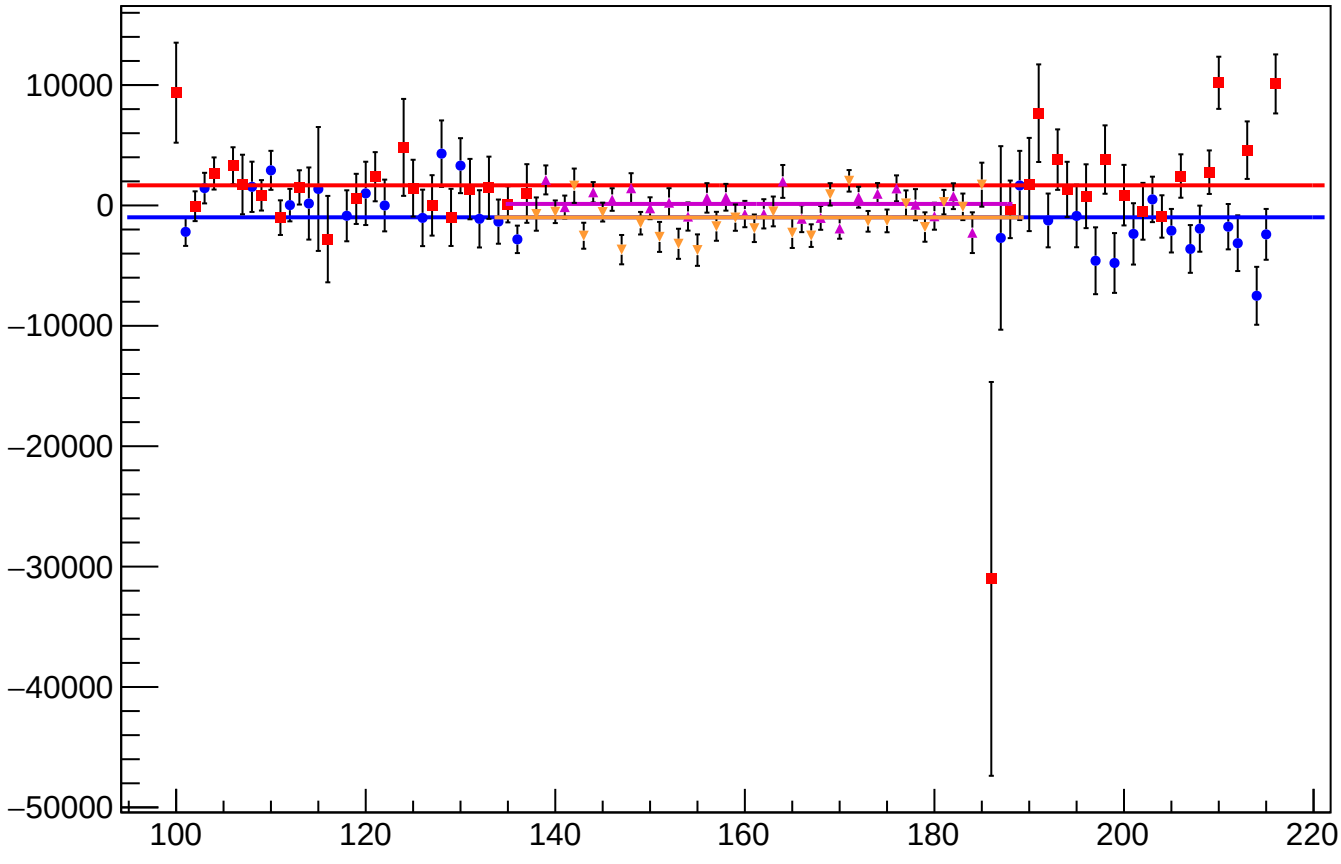
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 139.244+/-0.016 χ^2/NDF: 4519623.0/65

In: 138.928+/-0.016 χ^2/NDF:2867150.7/53

Out: 138.138+/-0.016 χ^2/NDF:4103143.1/59

All: 138.526+/-0.012 χ^2/NDF: 6971466.9/113



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: 1670.179+/-347.922 χ^2/NDF: 57.2/34

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

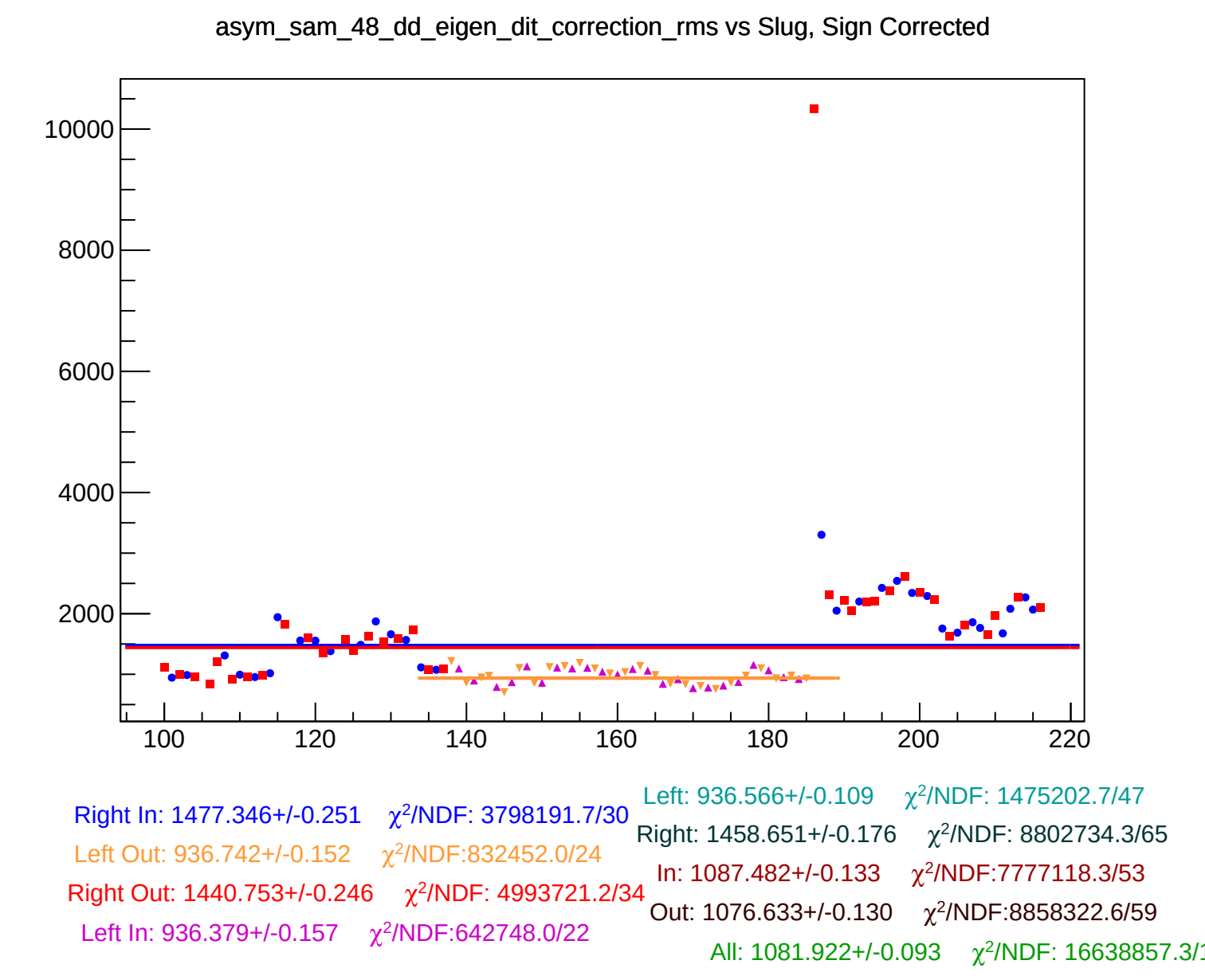
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 370.835+/-248.680 χ^2/NDF: 126.3/65

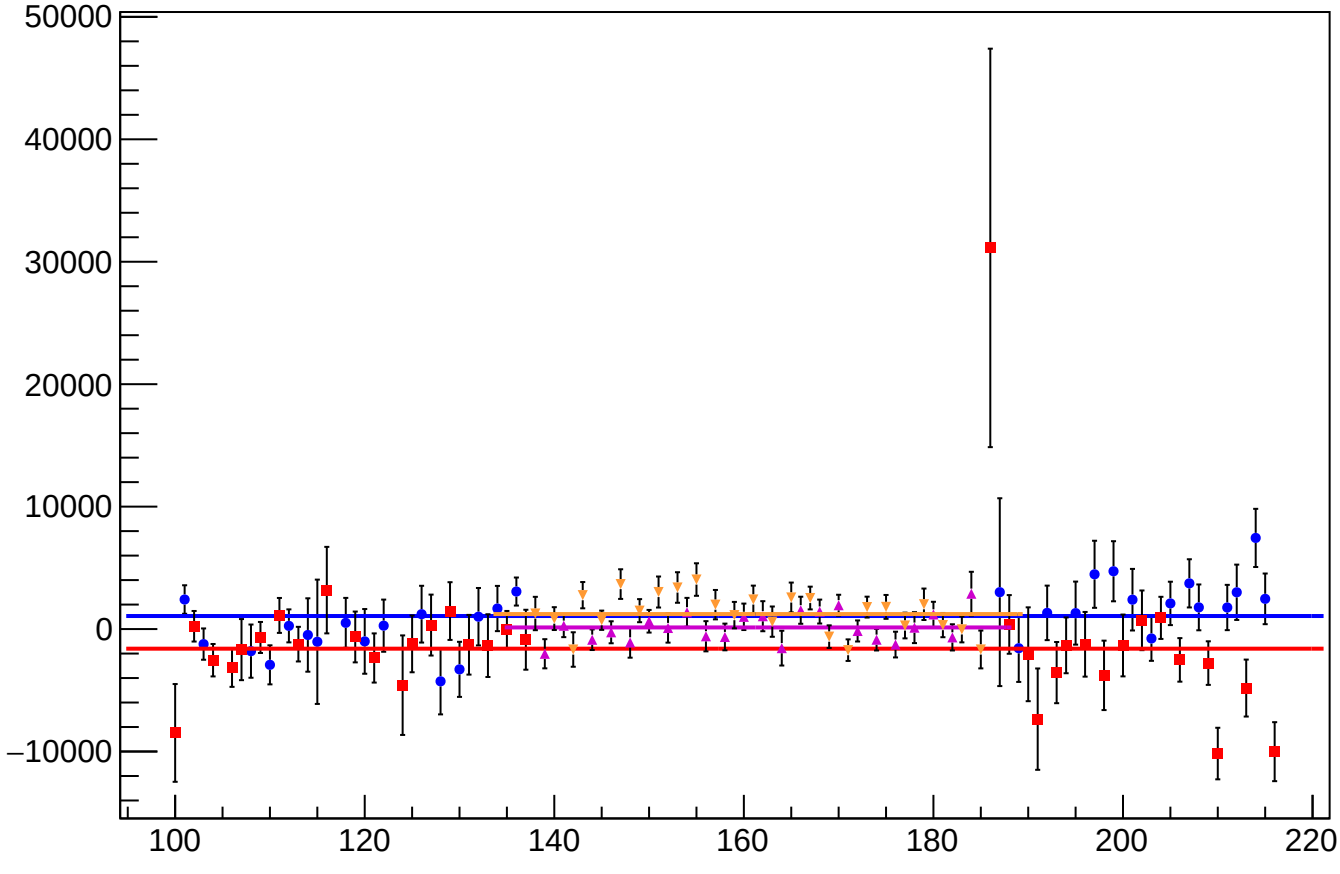
In: -185.513+/-187.924 χ^2/NDF:71.5/53

Out: -253.993+/-183.297 χ^2/NDF:146.5/59

All: -220.607+/-131.216 χ^2/NDF: 218.0/113


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: 1440.753+/-0.246 χ²/NDF: 4993721.2/34
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1458.651+/-0.176 χ²/NDF: 8802734.3/65
In: 1087.482+/-0.133 χ²/NDF:7777118.3/53
Out: 1076.633+/-0.130 χ²/NDF:8858322.6/59
All: 1081.922+/-0.093 χ²/NDF: 16638857.3/1

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: -1601.768+/-346.502 χ^2/NDF: 59.4/34

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

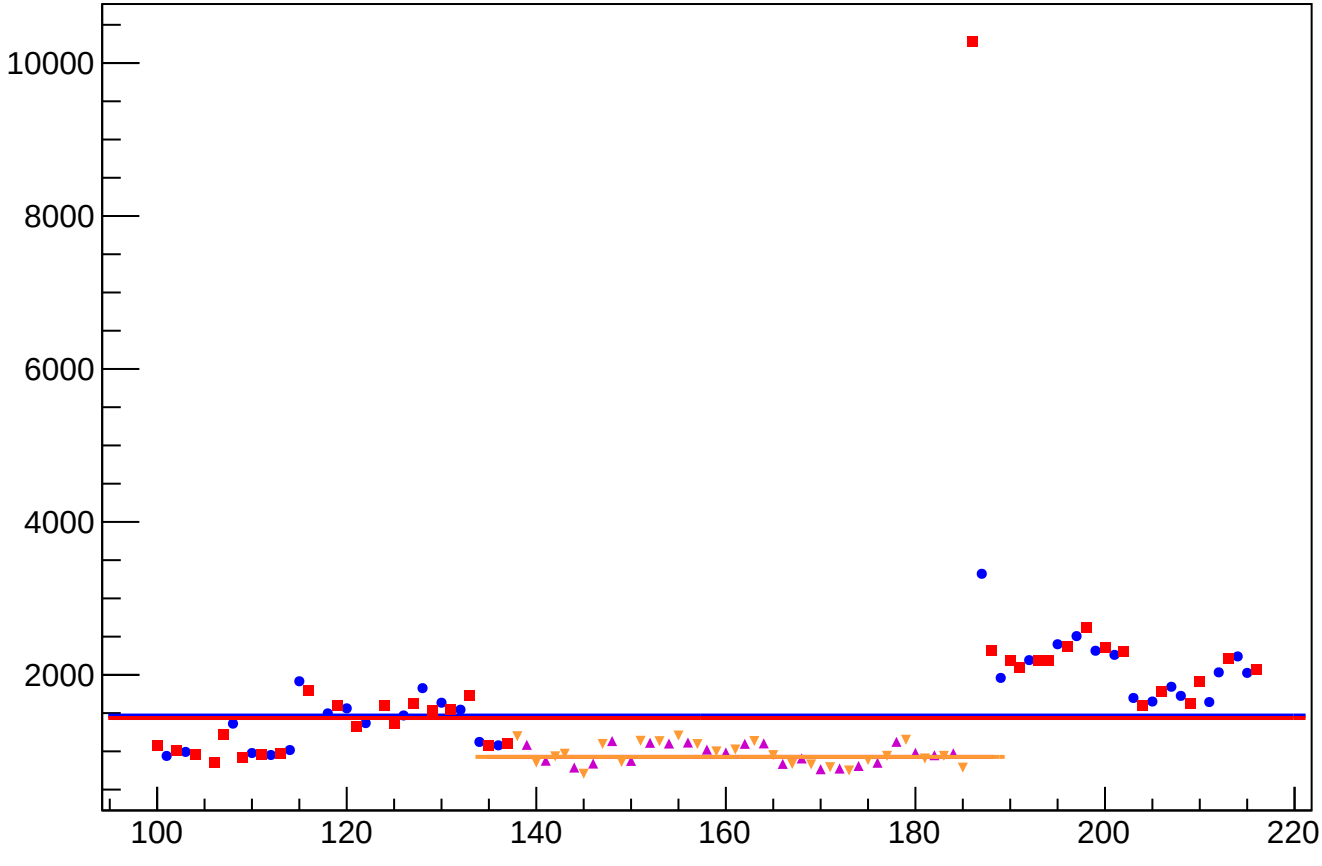
Right: -291.710+/-247.169 χ^2/NDF: 130.4/65

In: 392.851+/-186.219 χ^2/NDF:72.8/53

Out: 445.698+/-181.978 χ^2/NDF:156.1/59

All: 419.883+/-130.151 χ^2/NDF: 228.9/113

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: 1435.875+/-0.245 χ^2/NDF: 4912318.0/34

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

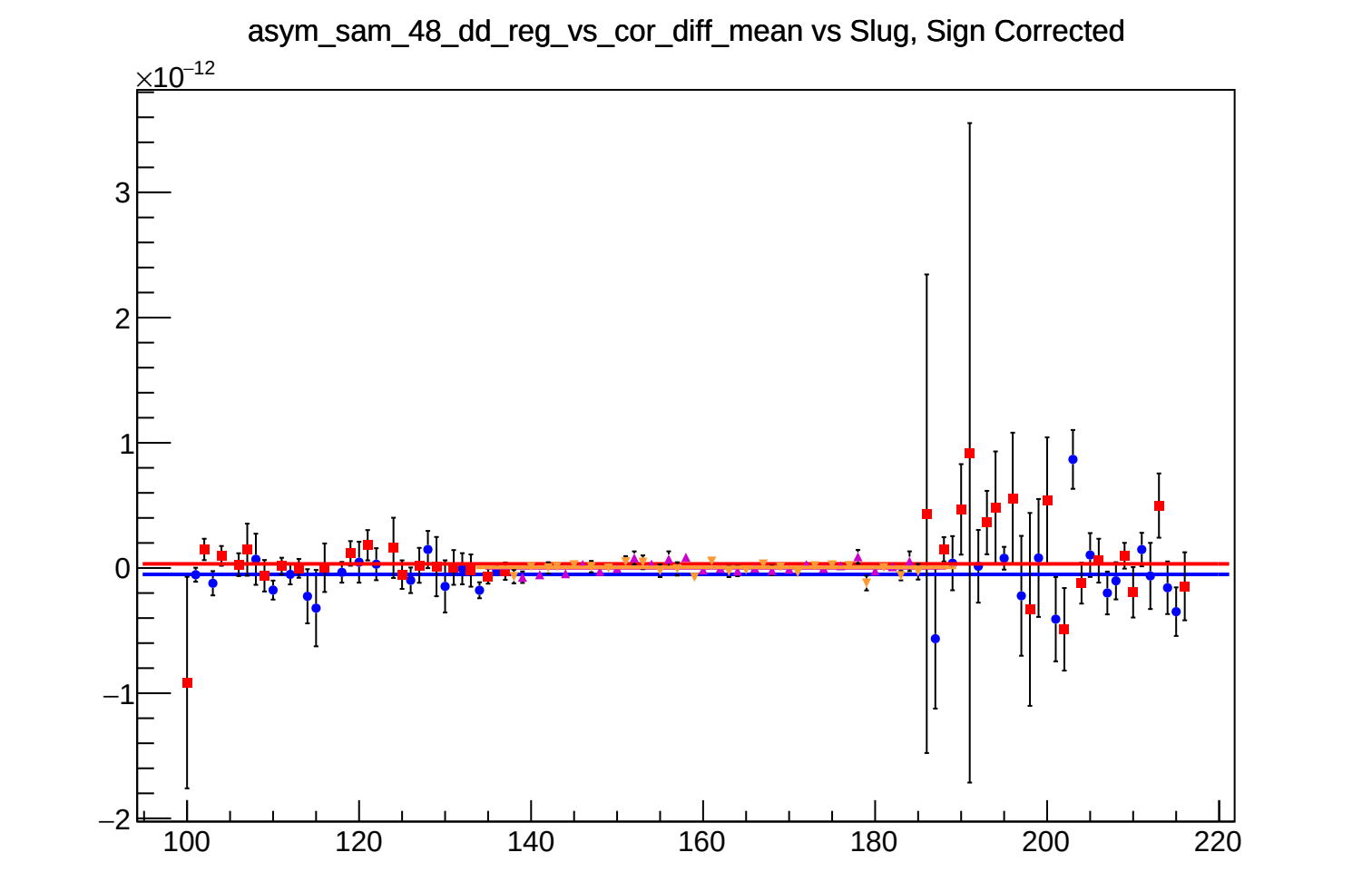
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1451.672+/-0.175 χ^2/NDF: 8558796.8/65

In: 1078.071+/-0.132 χ^2/NDF:7685086.0/53

Out: 1067.799+/-0.129 χ^2/NDF:8903797.1/59

All: 1072.817+/-0.092 χ^2/NDF: 16591995.7/1



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: 28.5/34

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

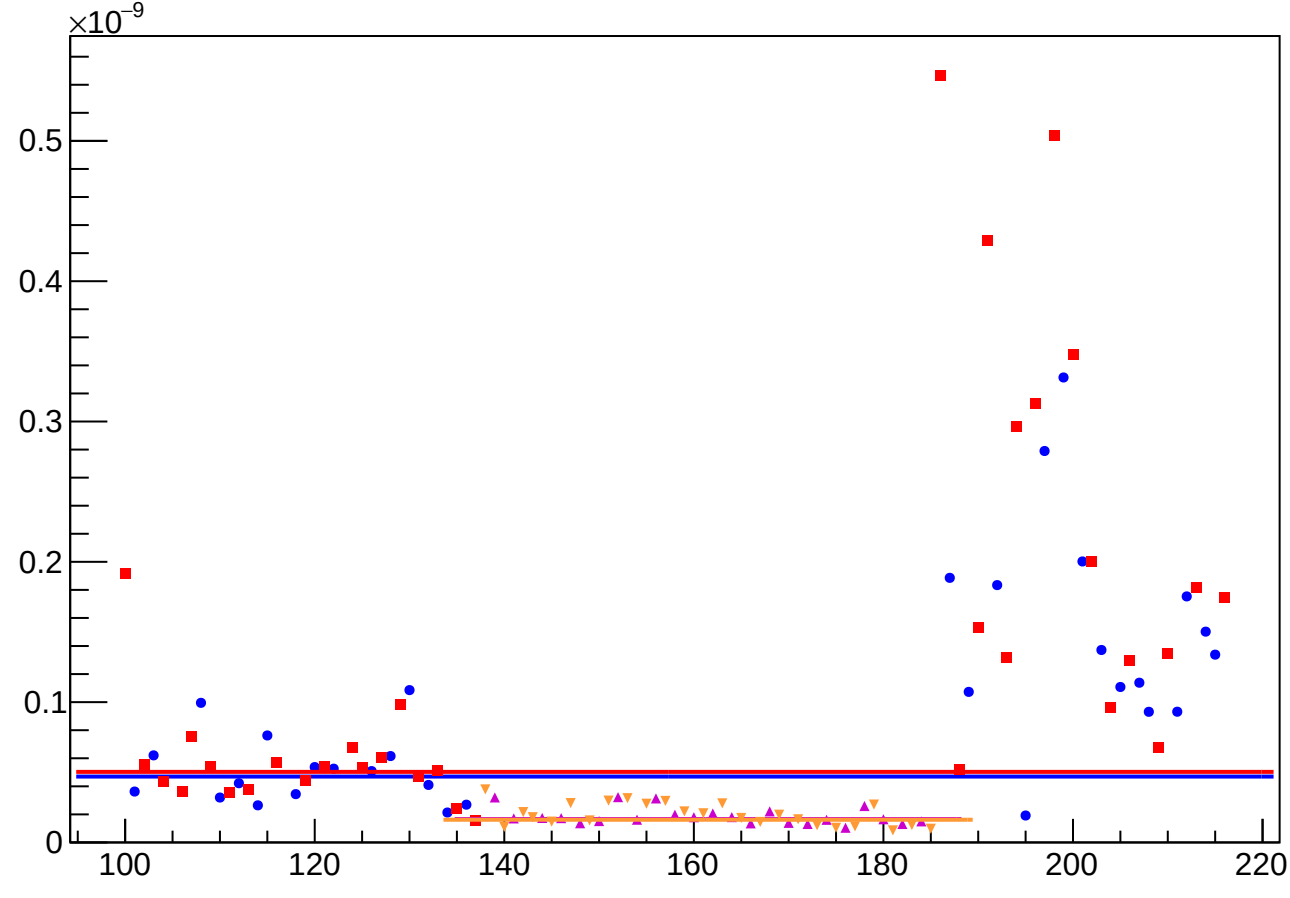
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 75.9/65

In: -0.000+/-0.000 χ^2/NDF:72.9/53

Out: 0.000+/-0.000 χ^2/NDF:55.5/59

All: 0.000+/-0.000 χ^2/NDF: 130.1/113



Right In: 0.000+/-0.000 χ^2/NDF: 6590442.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6685566.5/34

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

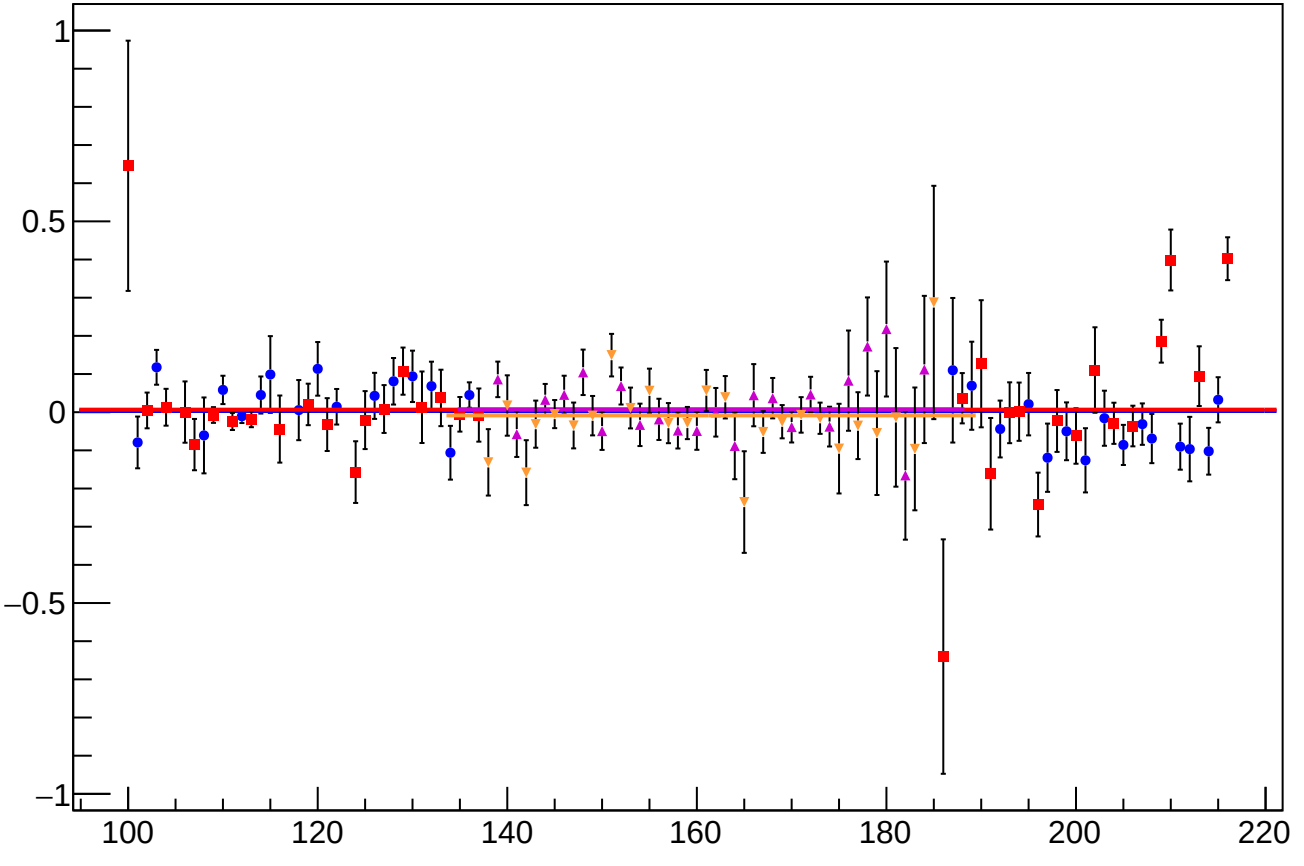
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13302548.3/65

In: 0.000+/-0.000 χ^2/NDF:11664071.6/53

Out: 0.000+/-0.000 χ^2/NDF:13475091.0/59

All: 0.000+/-0.000 χ^2/NDF: 25153854.0/113



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: 0.007+/-0.009 χ^2/NDF: 120.9/34

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

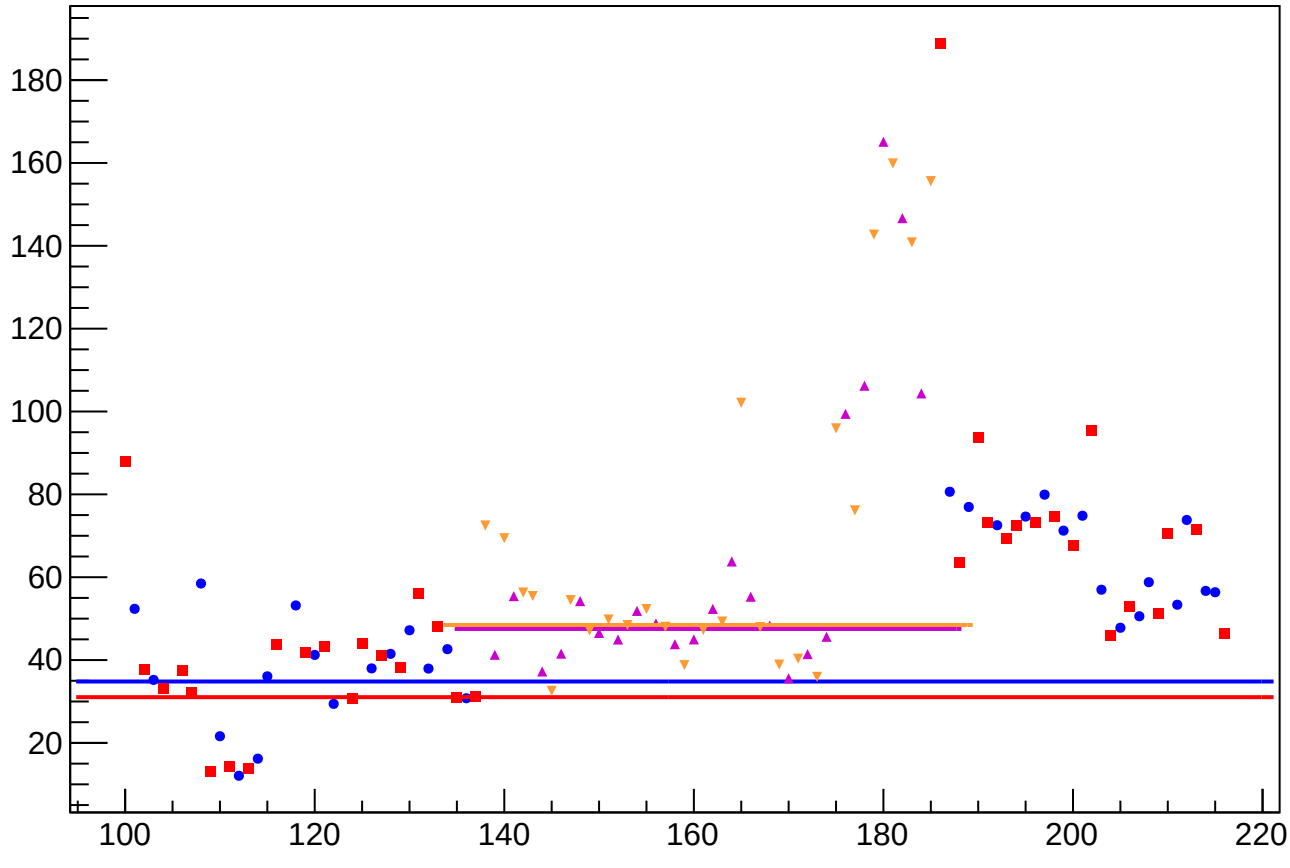
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.005+/-0.006 χ^2/NDF: 162.5/65

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: 0.001+/-0.007 χ^2/NDF:145.1/59

All: 0.003+/-0.005 χ^2/NDF: 210.0/113



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: 31.046+/-0.006 χ^2/NDF: 11329241.1/34

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

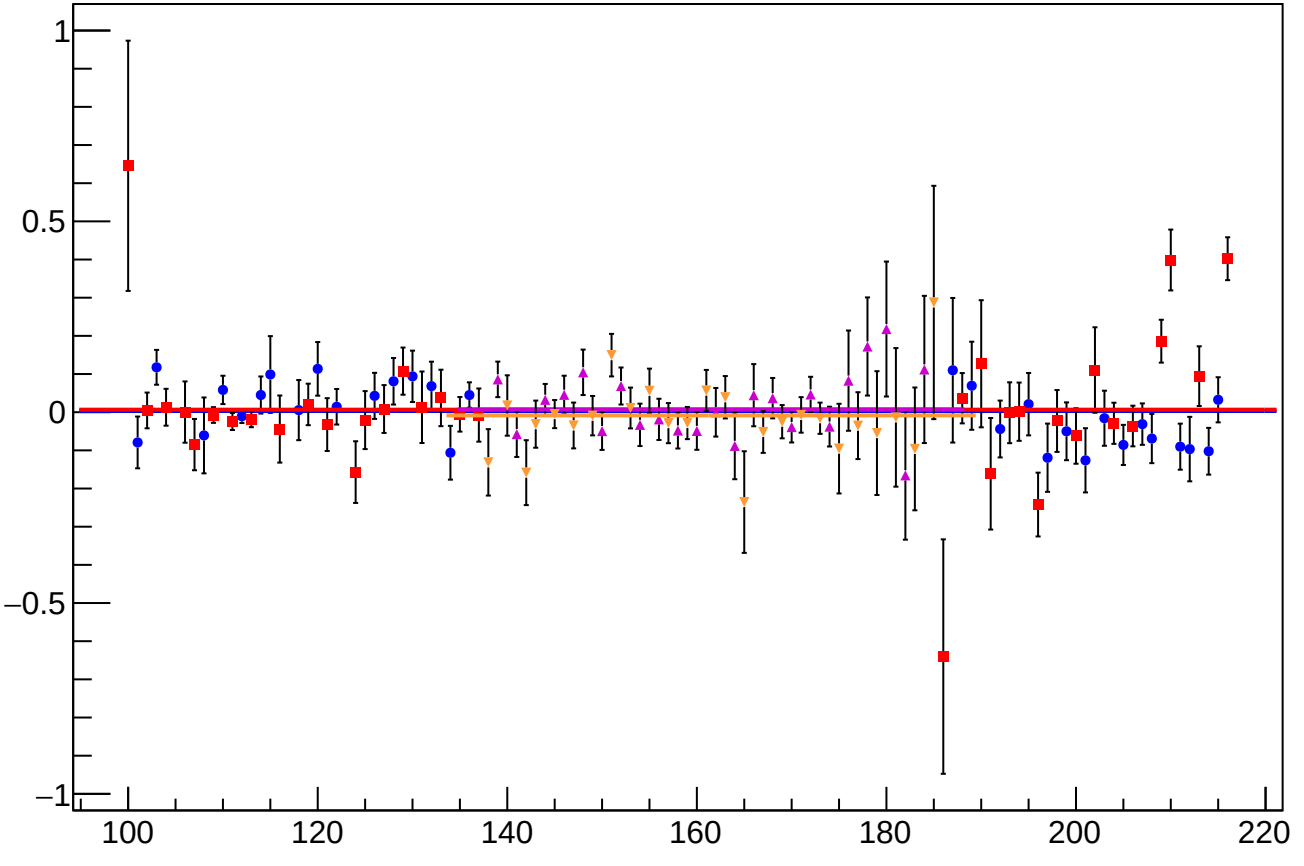
Right: 32.769+/-0.005 χ^2/NDF: 20583637.0/65

In: 39.678+/-0.005 χ^2/NDF:13527831.5/53

Out: 37.026+/-0.005 χ^2/NDF:18469782.7/59

All: 38.277+/-0.004 χ^2/NDF: 32131793.8/113

asym_sam_48_dd_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: 0.007+/-0.009 χ^2/NDF: 120.9/34

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

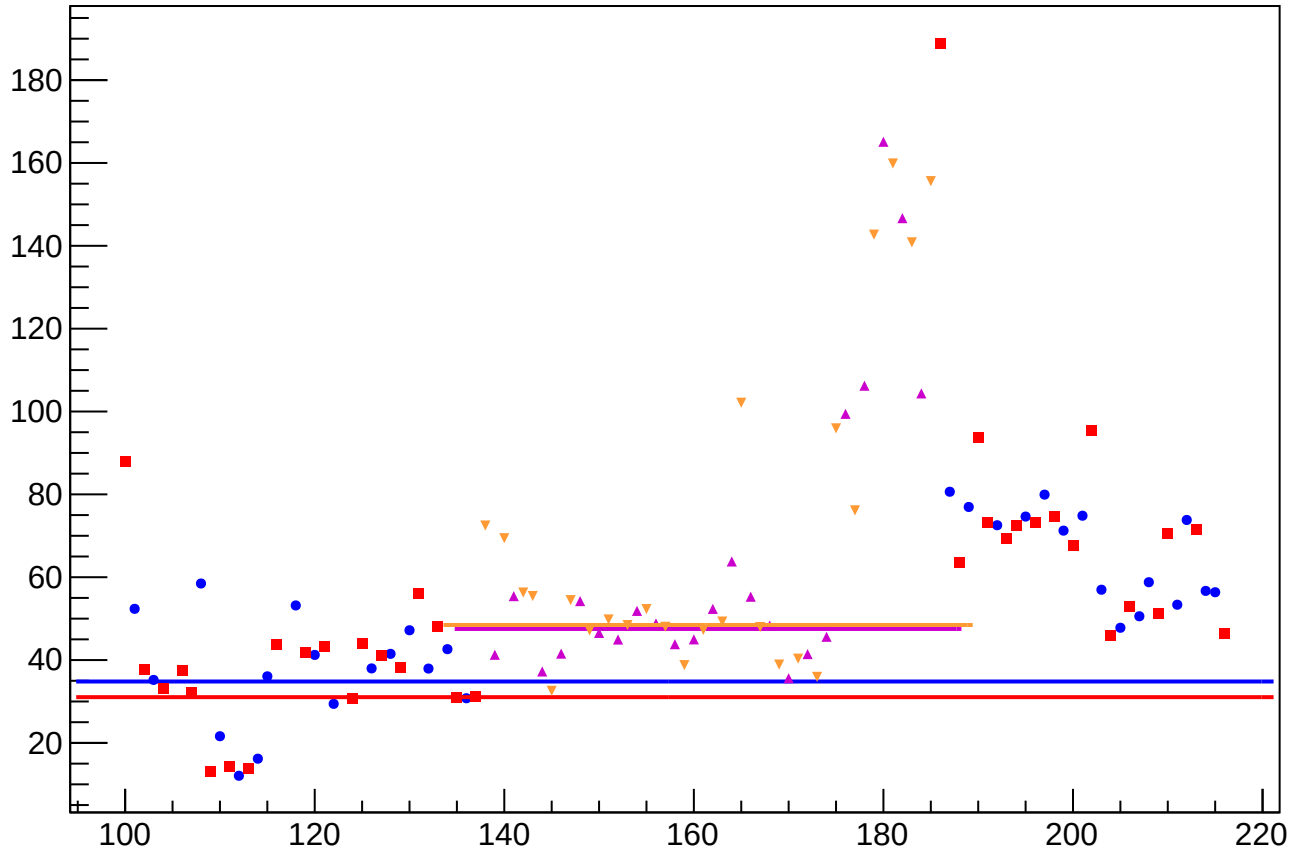
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.005+/-0.006 χ^2/NDF: 162.5/65

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: 0.001+/-0.007 χ^2/NDF:145.1/59

All: 0.003+/-0.005 χ^2/NDF: 210.0/113



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: 31.046+/-0.006 χ^2/NDF: 11329241.1/34

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

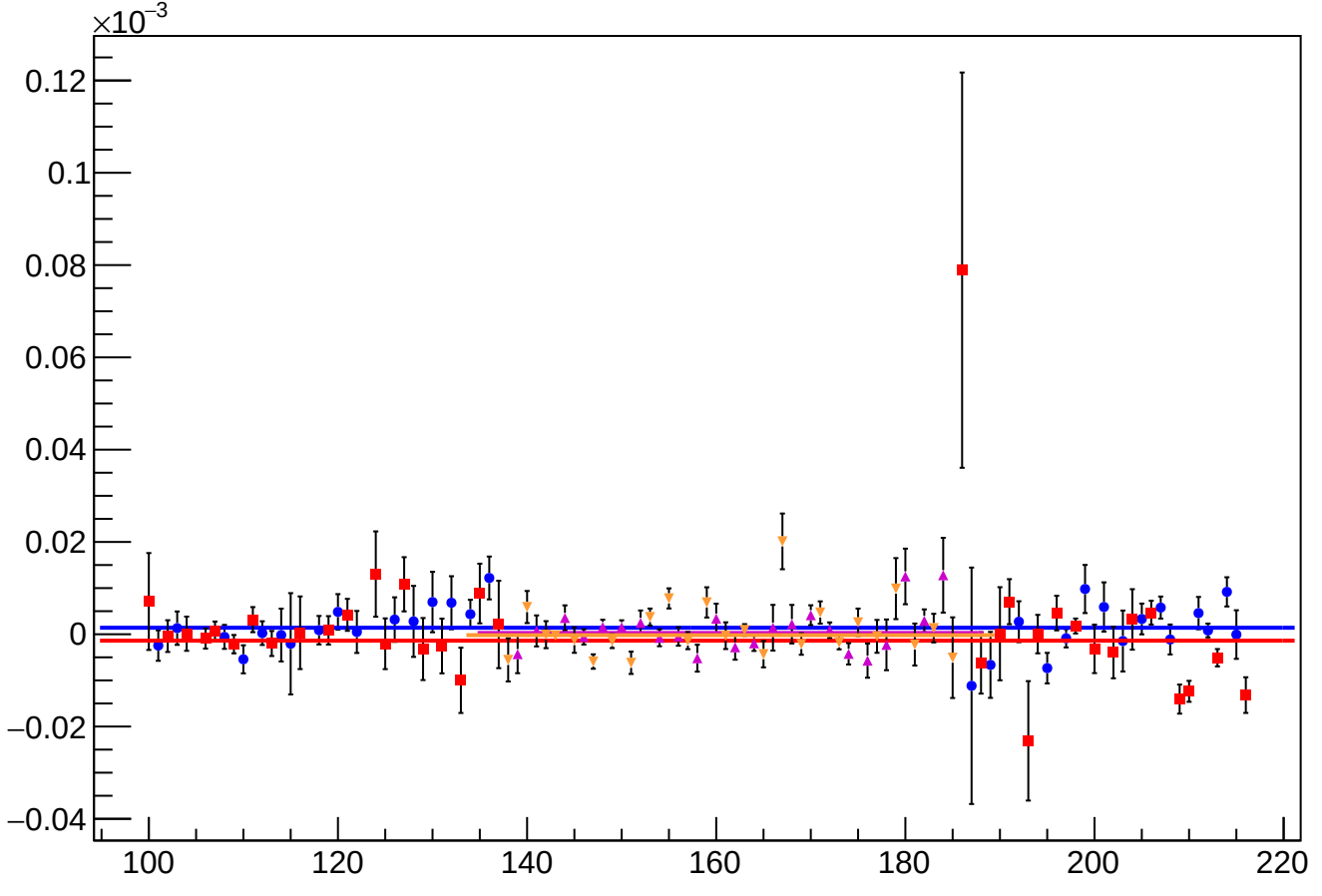
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 32.769+/-0.005 χ^2/NDF: 20583637.0/65

In: 39.678+/-0.005 χ^2/NDF:13527831.5/53

Out: 37.026+/-0.005 χ^2/NDF:18469782.7/59

All: 38.277+/-0.004 χ^2/NDF: 32131793.8/113



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: 94.6/34

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

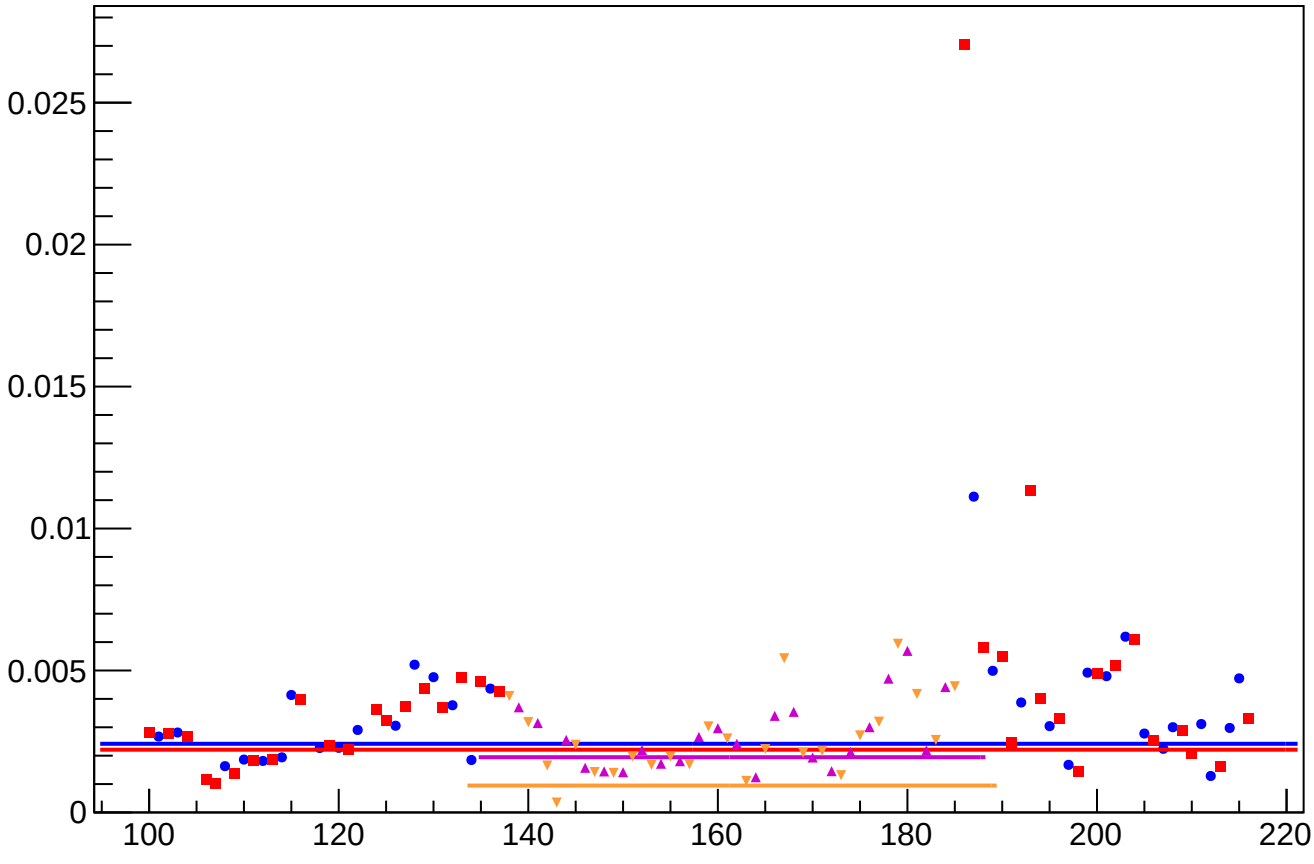
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: -0.000+/-0.000 χ^2/NDF: 146.6/65

In: 0.000+/-0.000 χ^2/NDF:74.0/53

Out: -0.000+/-0.000 χ^2/NDF:169.6/59

All: -0.000+/-0.000 χ^2/NDF: 249.8/113



Right In: 0.002+/-0.000 χ^2/NDF: 5909597.5/30

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8704026.0/34

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

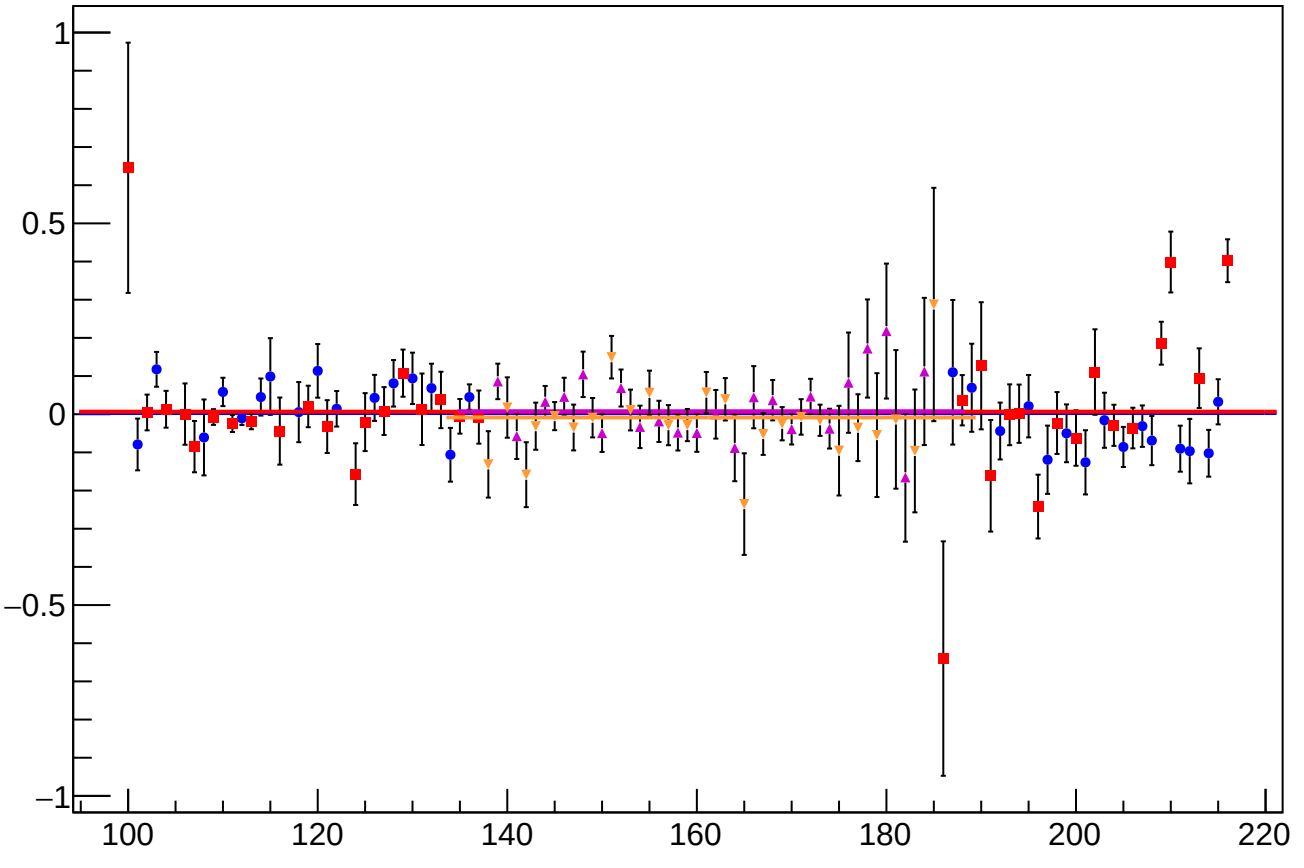
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 14734933.7/65

In: 0.002+/-0.000 χ^2/NDF:10984492.0/53

Out: 0.001+/-0.000 χ^2/NDF:33822597.3/59

All: 0.002+/-0.000 χ^2/NDF: 52392953.8/113



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: 0.007+/-0.009 χ^2/NDF: 120.9/34

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

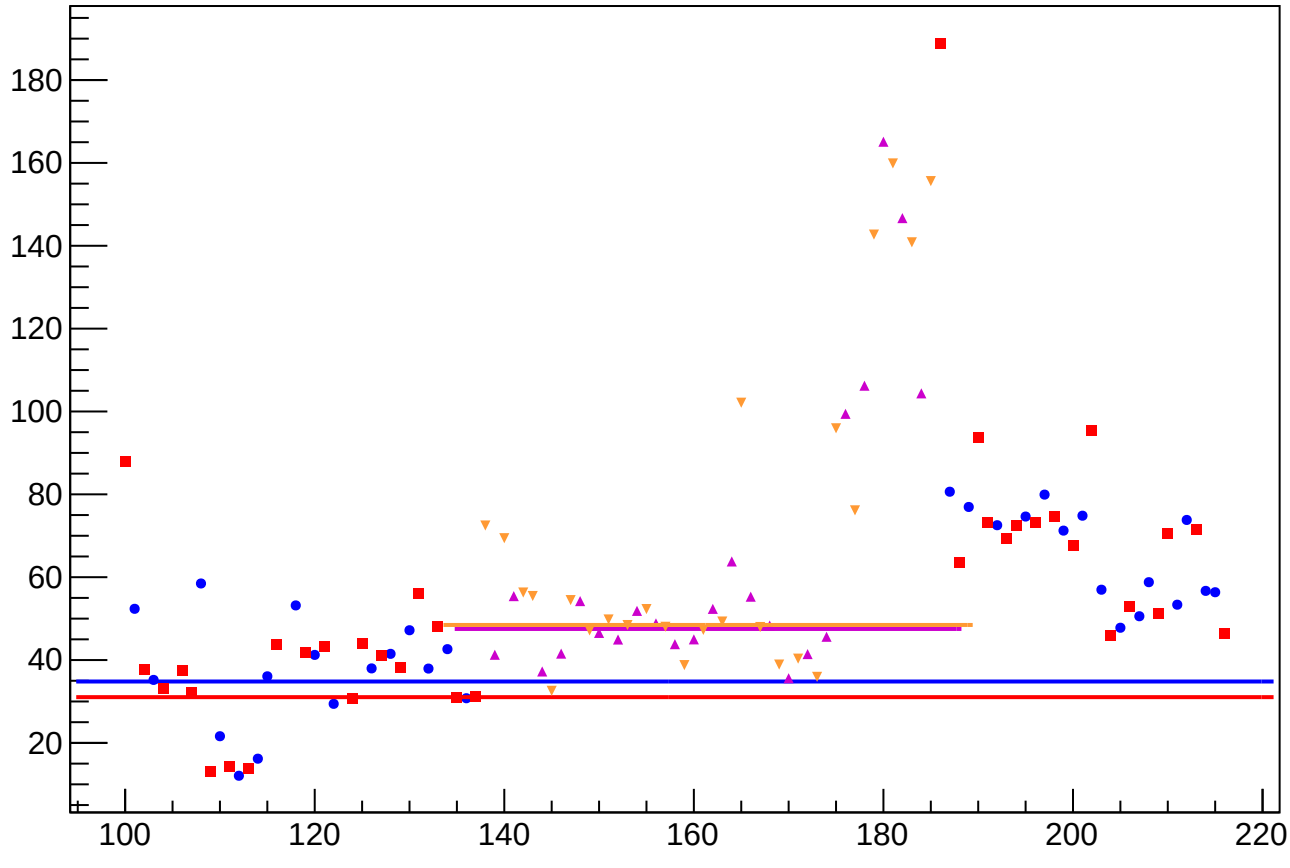
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.005+/-0.006 χ^2/NDF: 162.5/65

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: 0.001+/-0.007 χ^2/NDF:145.1/59

All: 0.003+/-0.005 χ^2/NDF: 210.0/113



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: 31.046+/-0.006 χ^2/NDF: 11329541.6/34

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

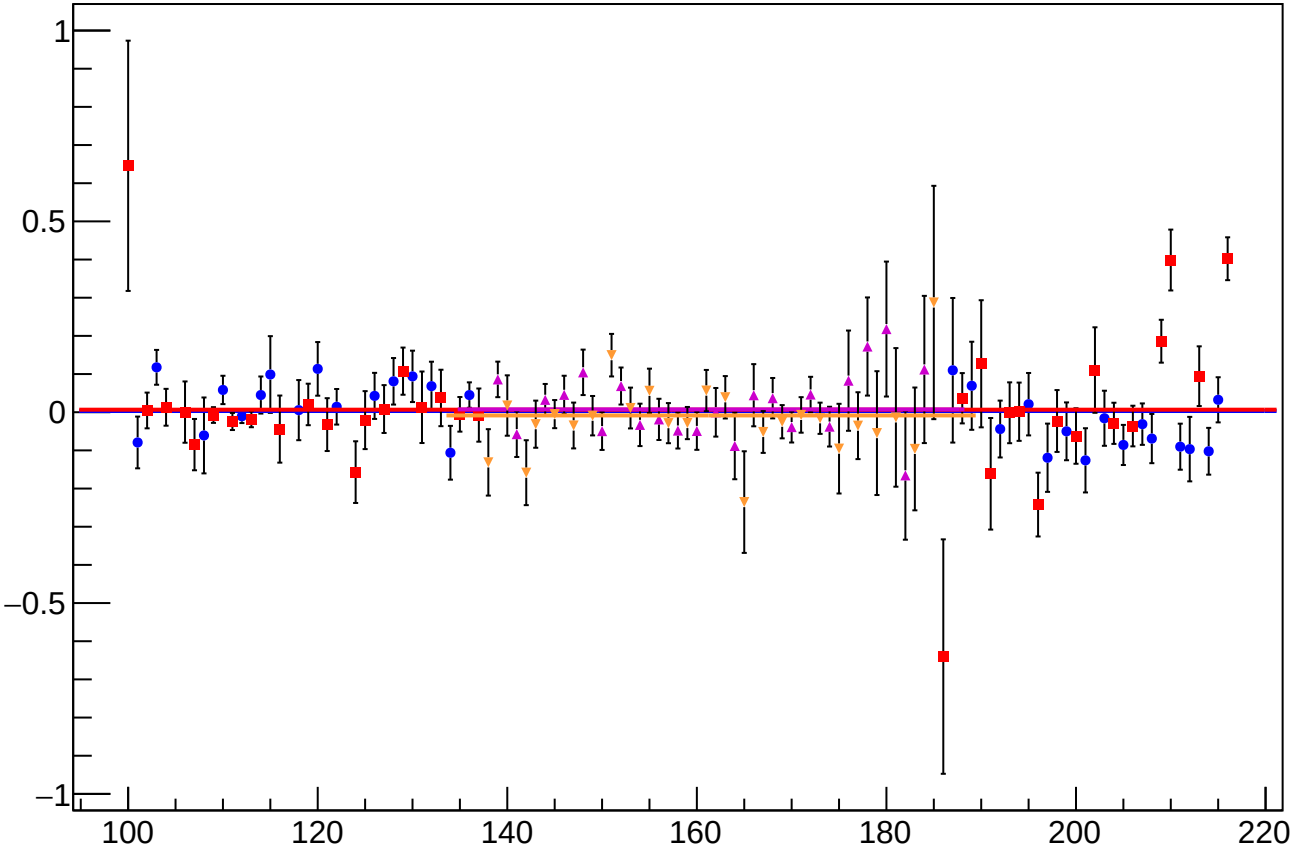
Right: 32.768+/-0.005 χ^2/NDF: 20584699.9/65

In: 39.677+/-0.005 χ^2/NDF:13529014.3/53

Out: 37.025+/-0.005 χ^2/NDF:18470233.8/59

All: 38.276+/-0.004 χ^2/NDF: 32133358.2/113

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: 0.007+/-0.009 χ^2/NDF: 120.9/34

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

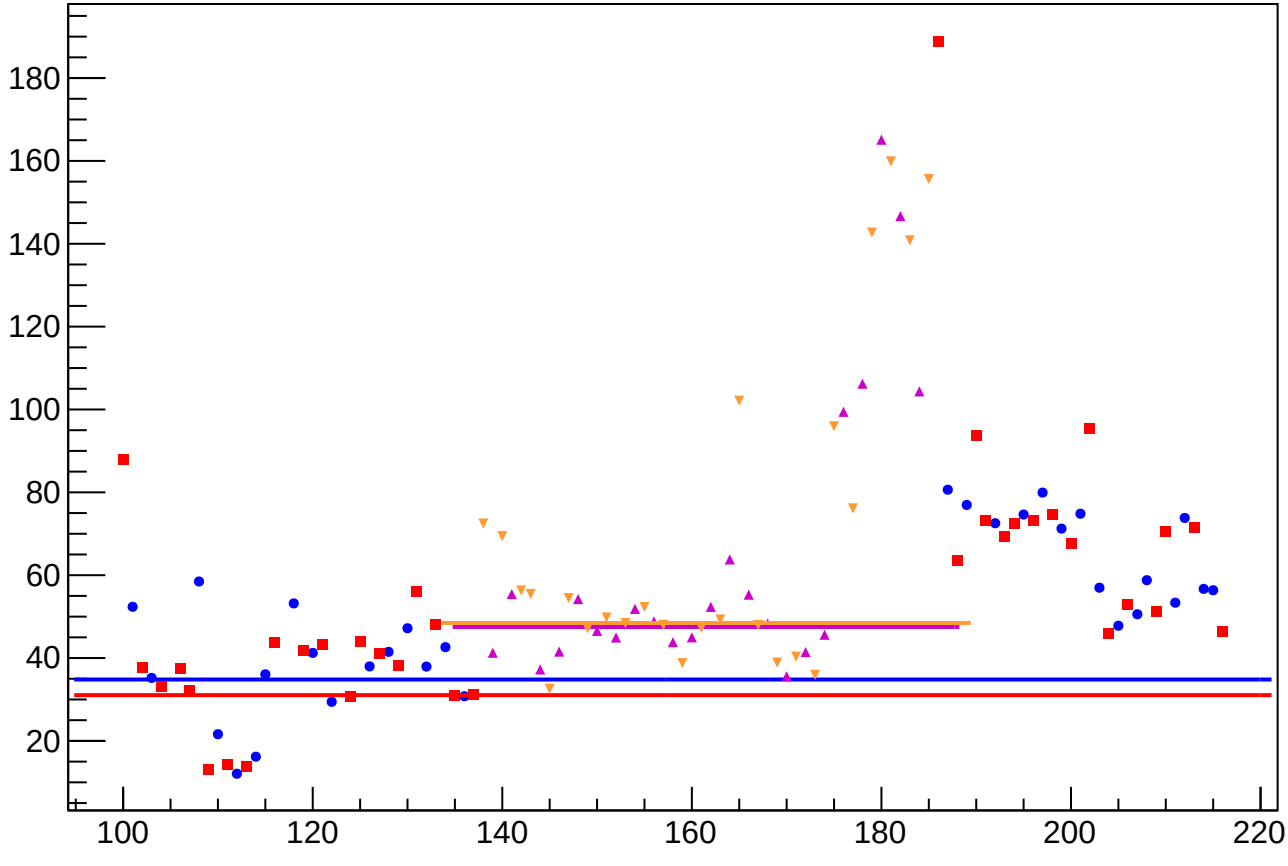
Right: 0.005+/-0.006 χ^2/NDF: 162.5/65

In: 0.005+/-0.007 χ^2/NDF:64.8/53

Out: 0.001+/-0.007 χ^2/NDF:145.1/59

All: 0.003+/-0.005 χ^2/NDF: 210.0/113

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: 31.046+/-0.006 χ^2/NDF: 11329541.6/34

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

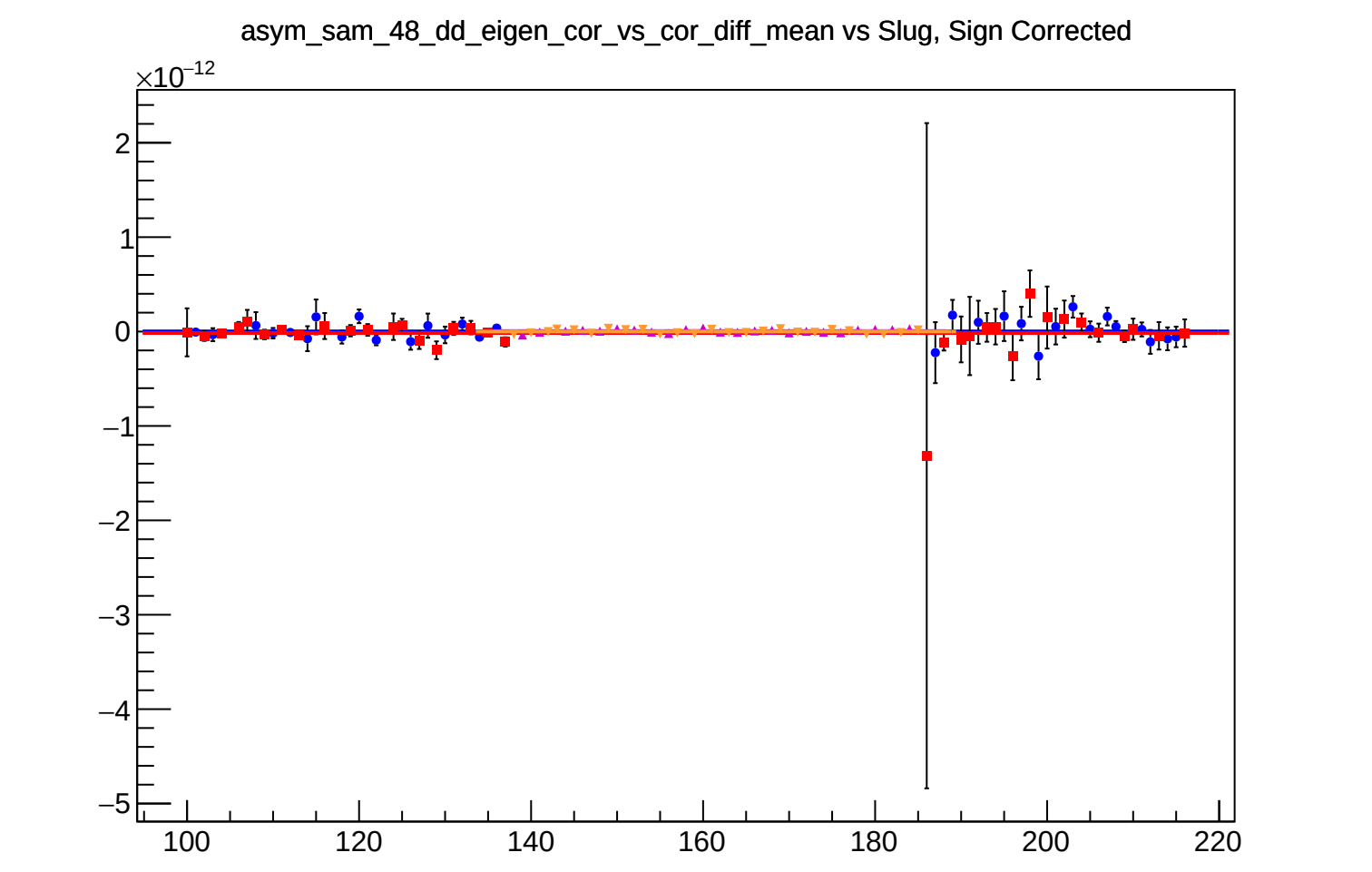
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 32.768+/-0.005 χ^2/NDF: 20584699.9/65

In: 39.677+/-0.005 χ^2/NDF:13529014.3/53

Out: 37.025+/-0.005 χ^2/NDF:18470233.8/59

All: 38.276+/-0.004 χ^2/NDF: 32133358.2/113



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: 23.2/34

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

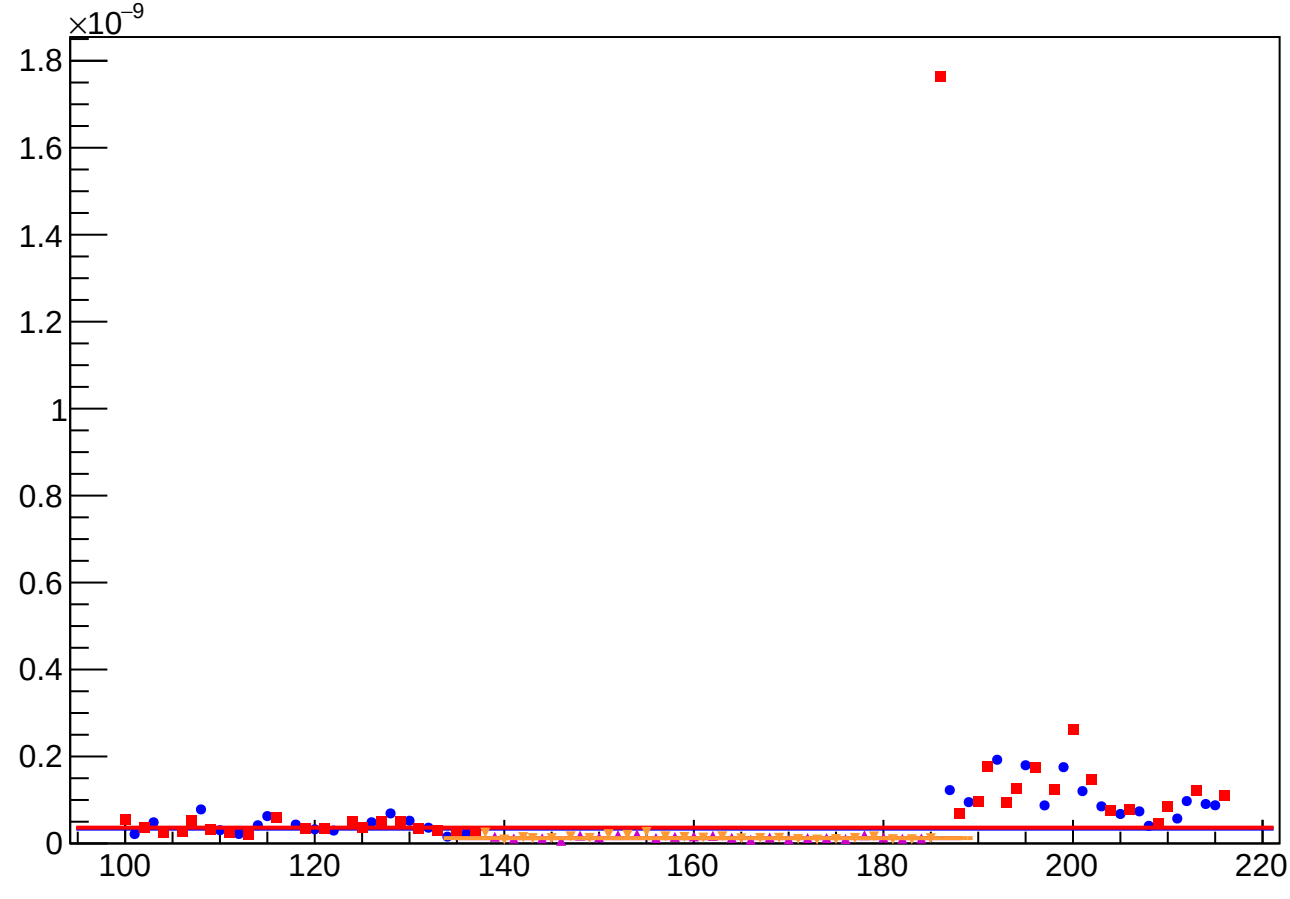
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 57.4/65

In: 0.000+/-0.000 χ^2/NDF:52.3/53

Out: -0.000+/-0.000 χ^2/NDF:56.1/59

All: 0.000+/-0.000 χ^2/NDF: 110.1/113



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: 8154756.5/34

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

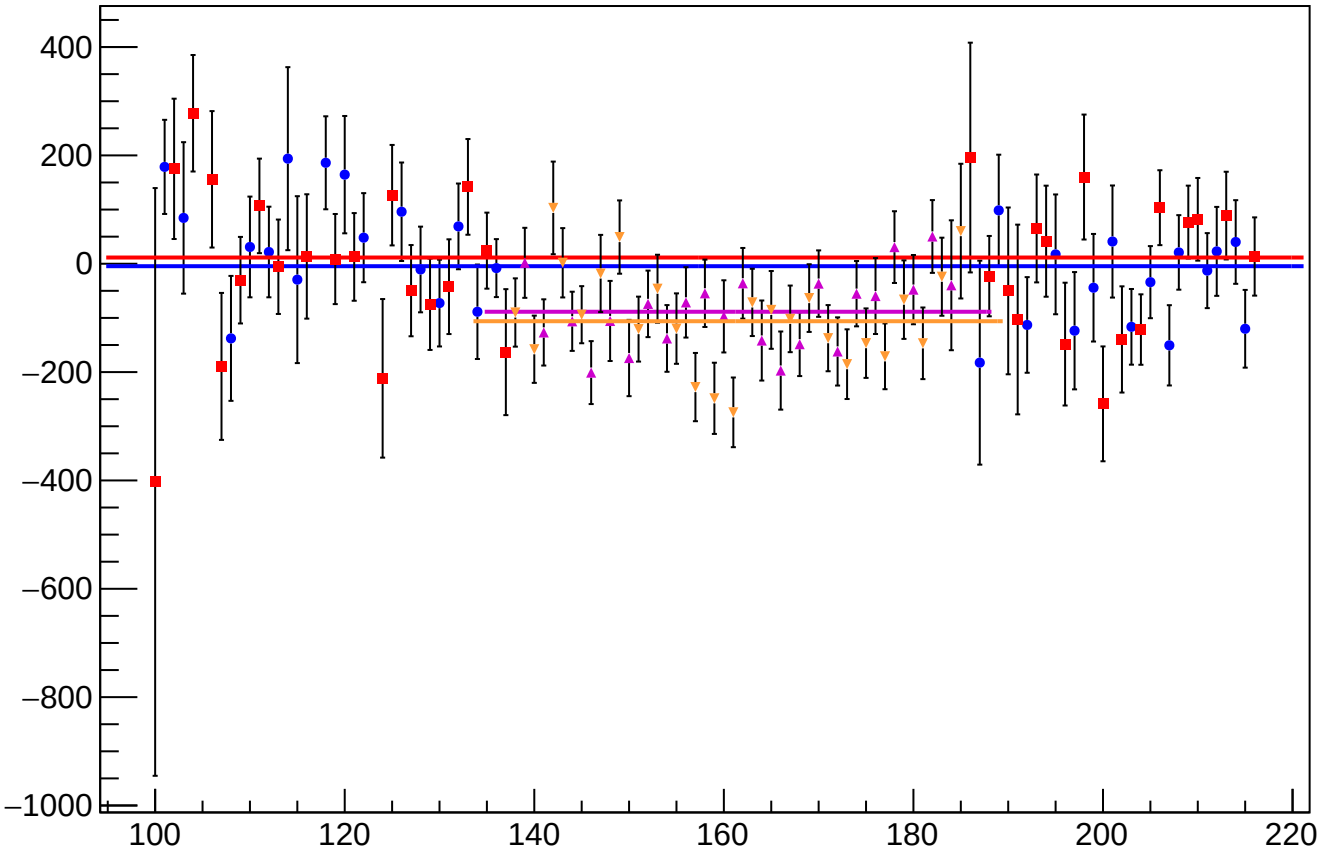
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 16590151.2/65

In: 0.000+/-0.000 χ^2/NDF:16729164.0/53

Out: 0.000+/-0.000 χ^2/NDF:17196723.2/59

All: 0.000+/-0.000 χ^2/NDF: 33926114.7/113



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: 11.484+/-15.724 χ^2/NDF: 46.7/34

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

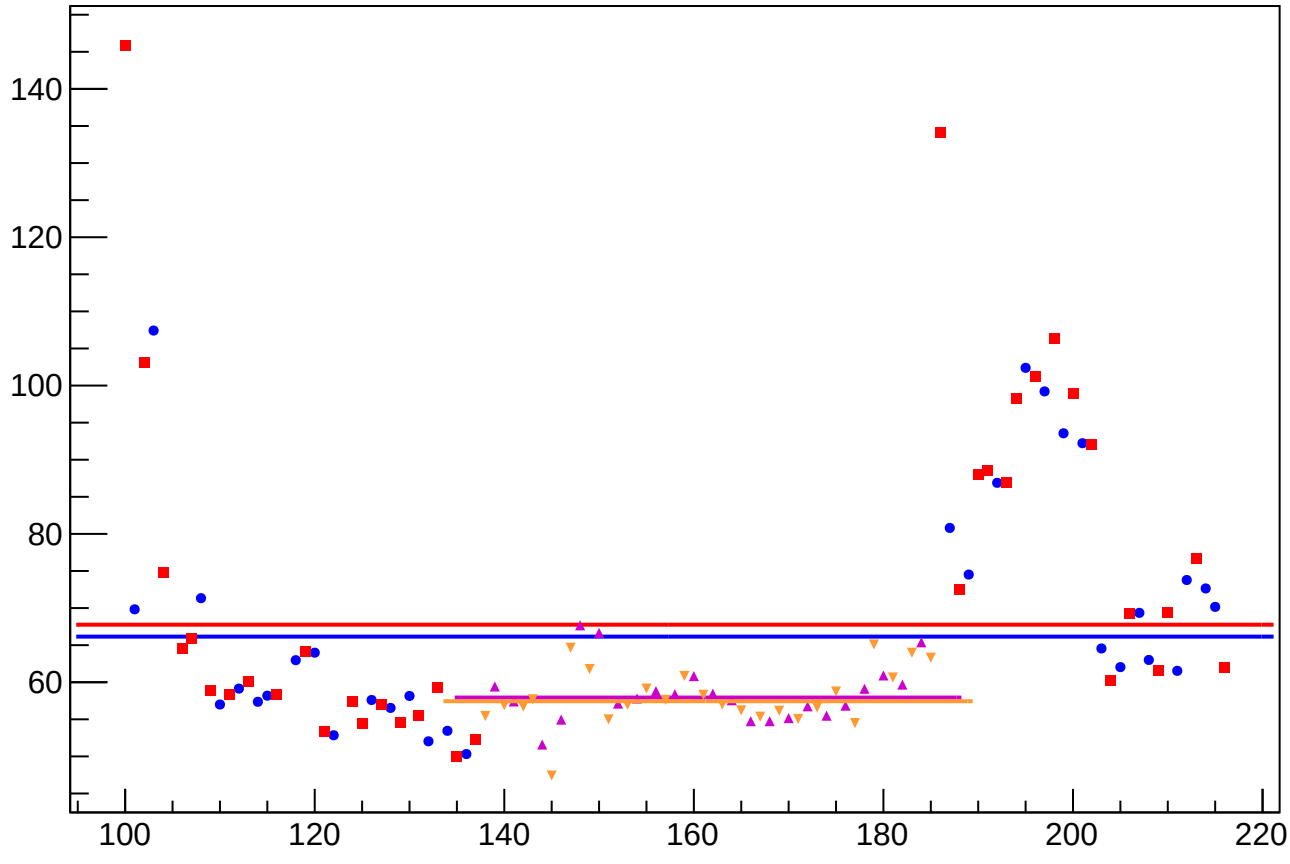
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 3.327+/-11.015 χ^2/NDF: 81.5/65

In: -51.970+/-10.190 χ^2/NDF:74.9/53

Out: -57.972+/-10.060 χ^2/NDF:120.4/59

All: -55.010+/-7.159 χ^2/NDF: 195.5/113



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: 67.758+/-0.011 χ^2/NDF: 1994066.4/34

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

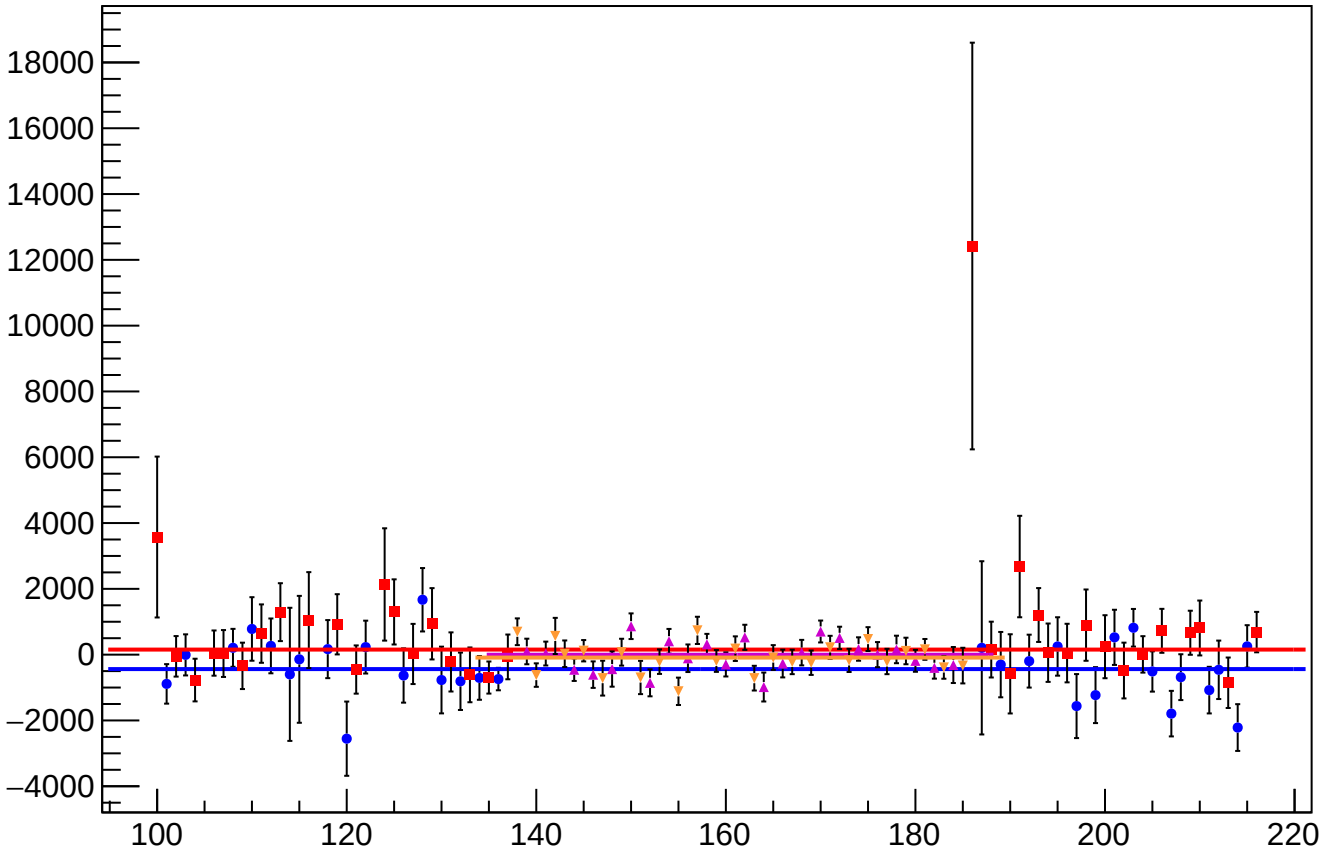
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.939+/-0.008 χ^2/NDF: 3514868.7/65

In: 61.515+/-0.007 χ^2/NDF:1965955.0/53

Out: 61.663+/-0.007 χ^2/NDF:2677258.2/59

All: 61.590+/-0.005 χ^2/NDF: 4643428.9/113



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: 153.878+/-137.053 χ^2/NDF: 30.0/34

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

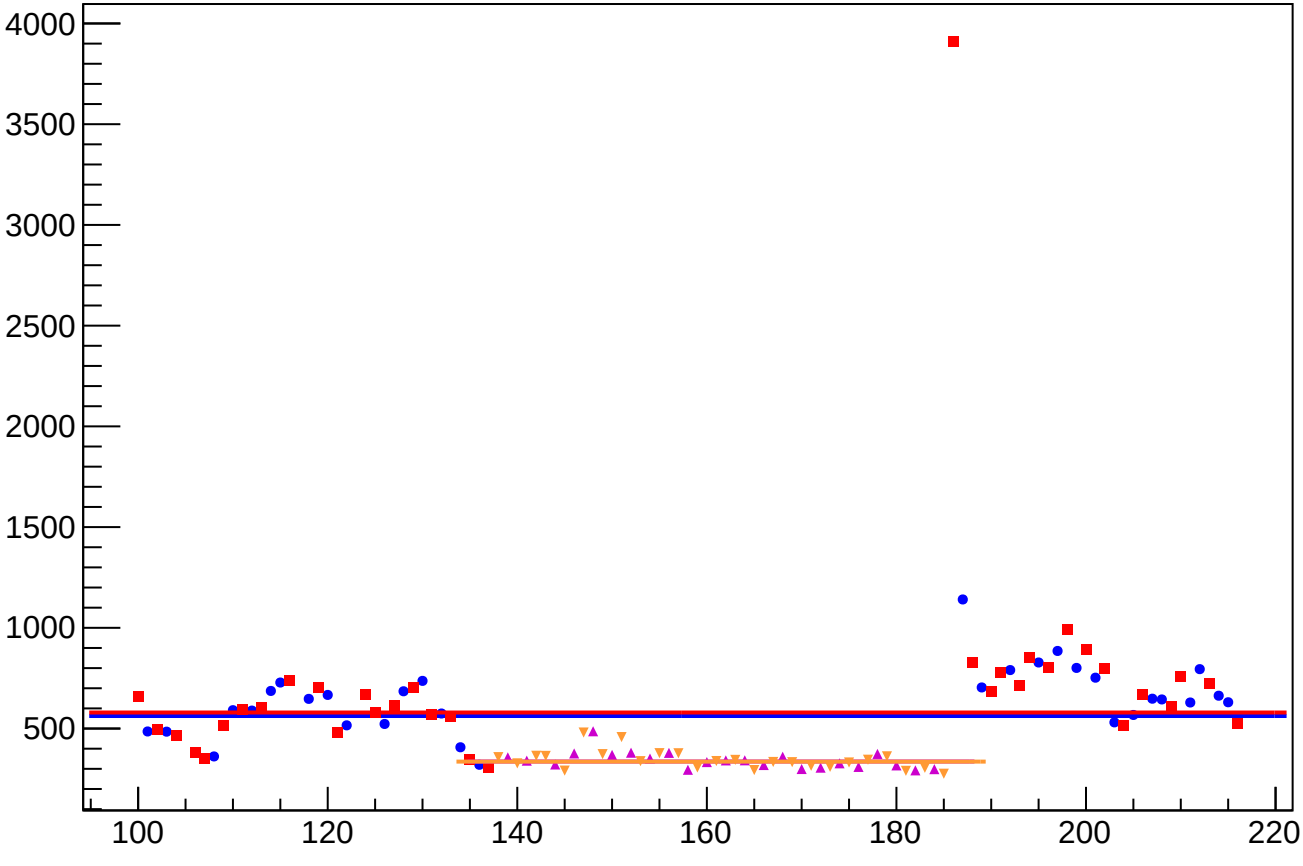
Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

Right: -149.948+/-95.672 χ^2/NDF: 76.3/65

In: -116.307+/-68.126 χ^2/NDF:78.1/53

Out: -30.761+/-67.138 χ^2/NDF:62.3/59

All: -72.909+/-47.819 χ^2/NDF: 141.2/113



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: 579.605+/-0.097 χ^2/NDF: 3455220.4/34

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

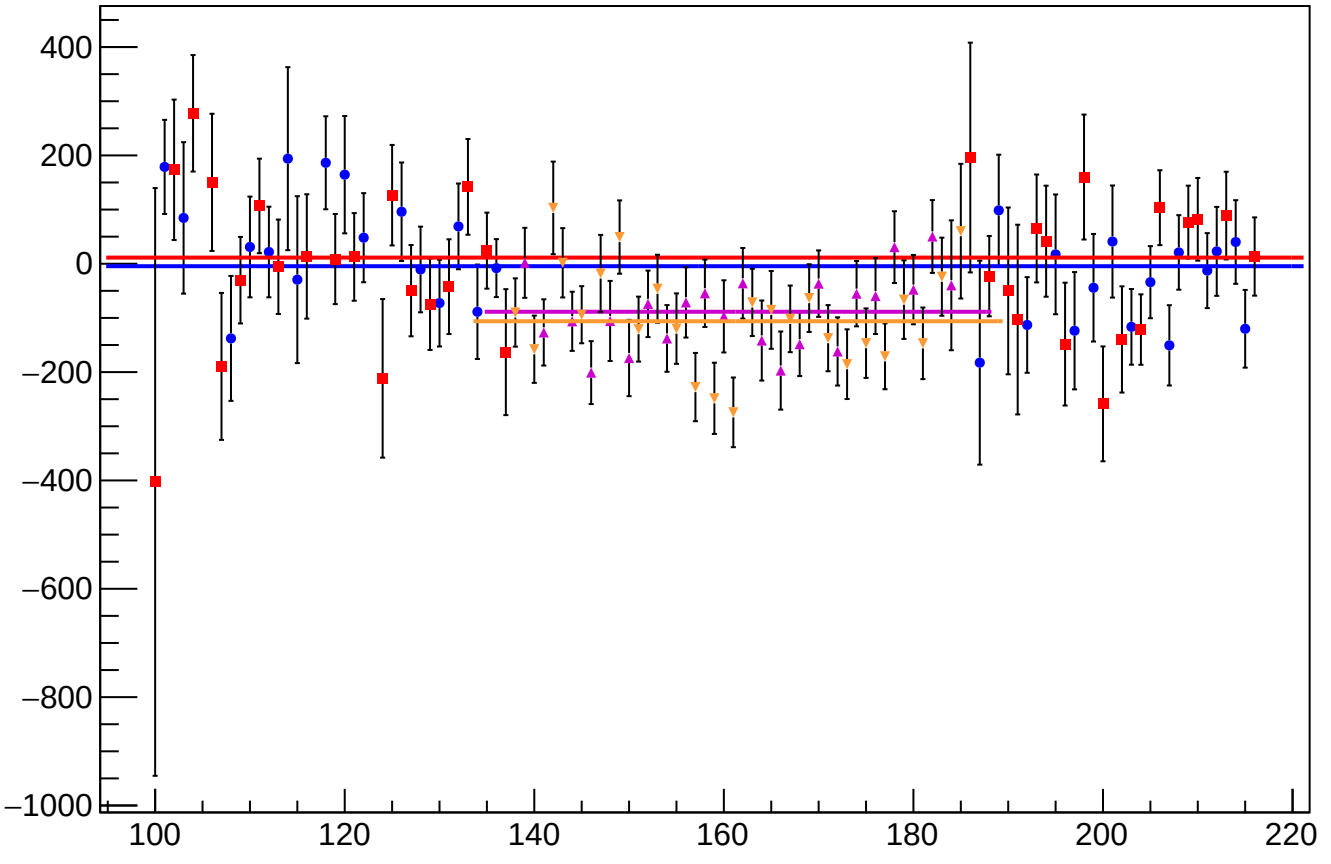
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 570.704+/-0.068 χ^2/NDF: 6298649.7/65

In: 395.071+/-0.048 χ^2/NDF:7471881.5/53

Out: 394.378+/-0.047 χ^2/NDF:8795598.1/59

All: 394.719+/-0.034 χ^2/NDF: 16267584.4/11



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: 11.343+/-15.726 χ^2/NDF: 46.6/34

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

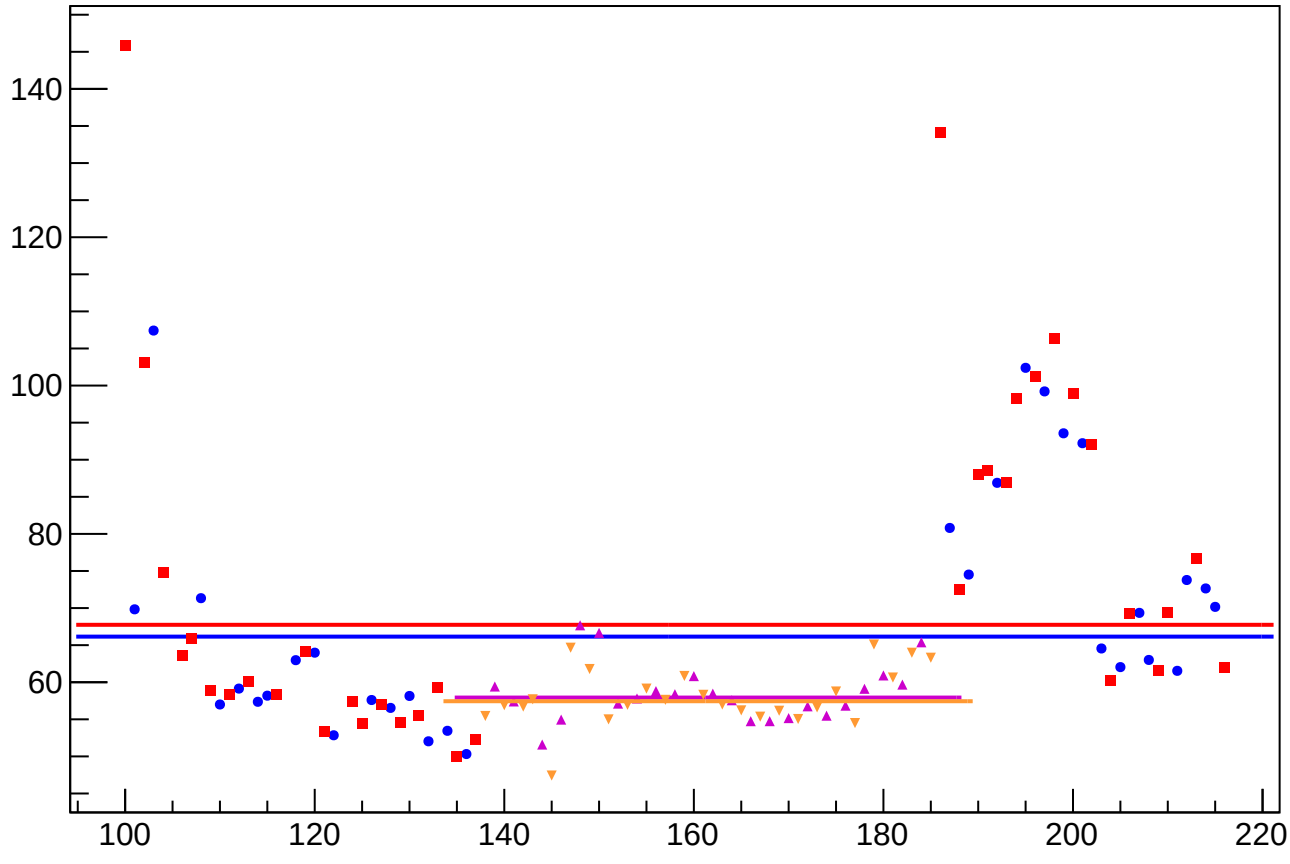
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 3.255+/-11.015 χ^2/NDF: 81.3/65

In: -51.973+/-10.190 χ^2/NDF:74.9/53

Out: -58.035+/-10.060 χ^2/NDF:120.2/59

All: -55.043+/-7.159 χ^2/NDF: 195.3/113



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: 67.743+/-0.011 χ^2/NDF: 1995164.2/34

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

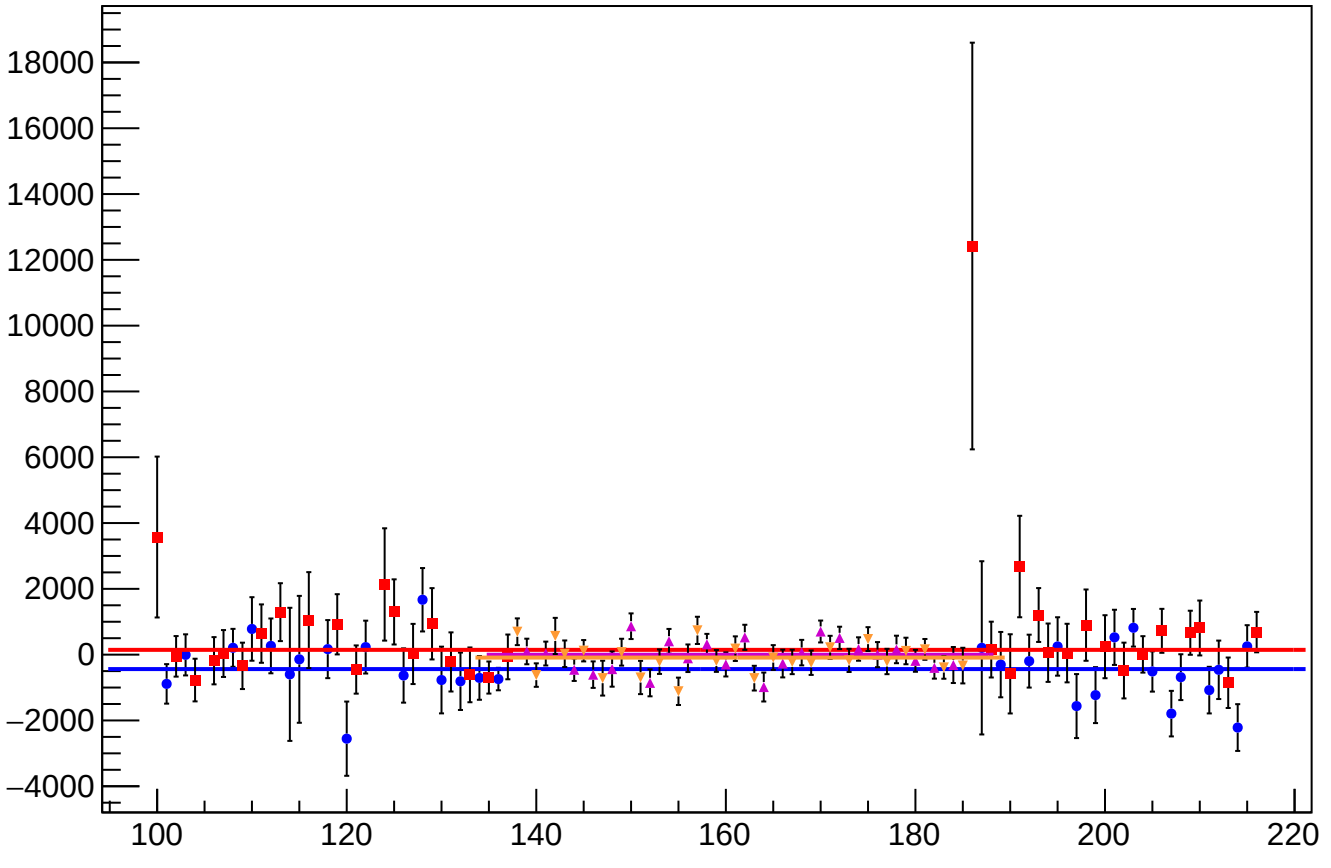
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.932+/-0.008 χ^2/NDF: 3515776.3/65

In: 61.515+/-0.007 χ^2/NDF:1965957.0/53

Out: 61.657+/-0.007 χ^2/NDF:2676871.7/59

All: 61.587+/-0.005 χ^2/NDF: 4643026.2/113



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: 145.742+/-137.289 χ^2/NDF: 30.2/34

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

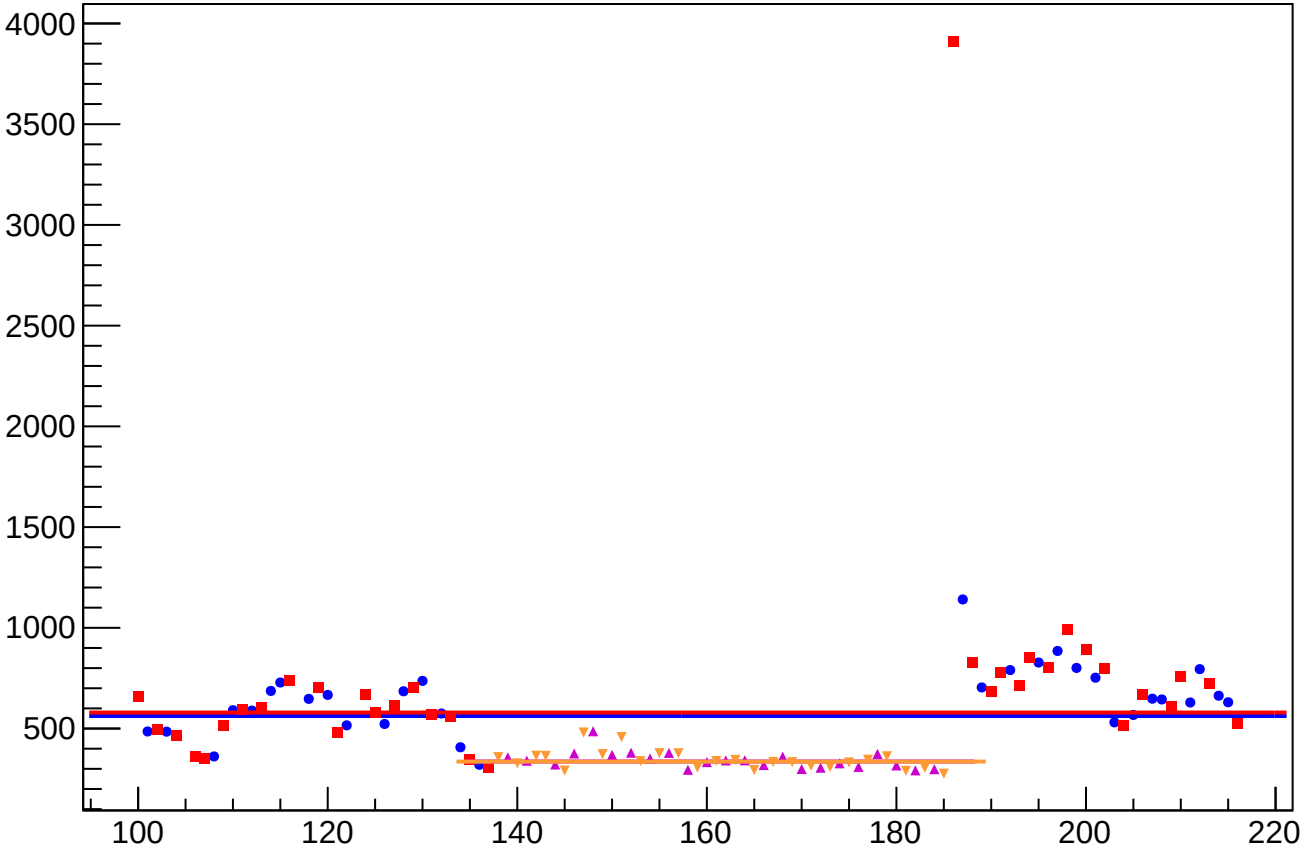
Right: -154.407+/-95.752 χ^2/NDF: 76.2/65

In: -116.304+/-68.126 χ^2/NDF:78.1/53

Out: -32.862+/-67.166 χ^2/NDF:62.3/59

All: -73.991+/-47.829 χ^2/NDF: 141.2/113

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: 579.536+/-0.097 χ^2/NDF: 3474604.9/34

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

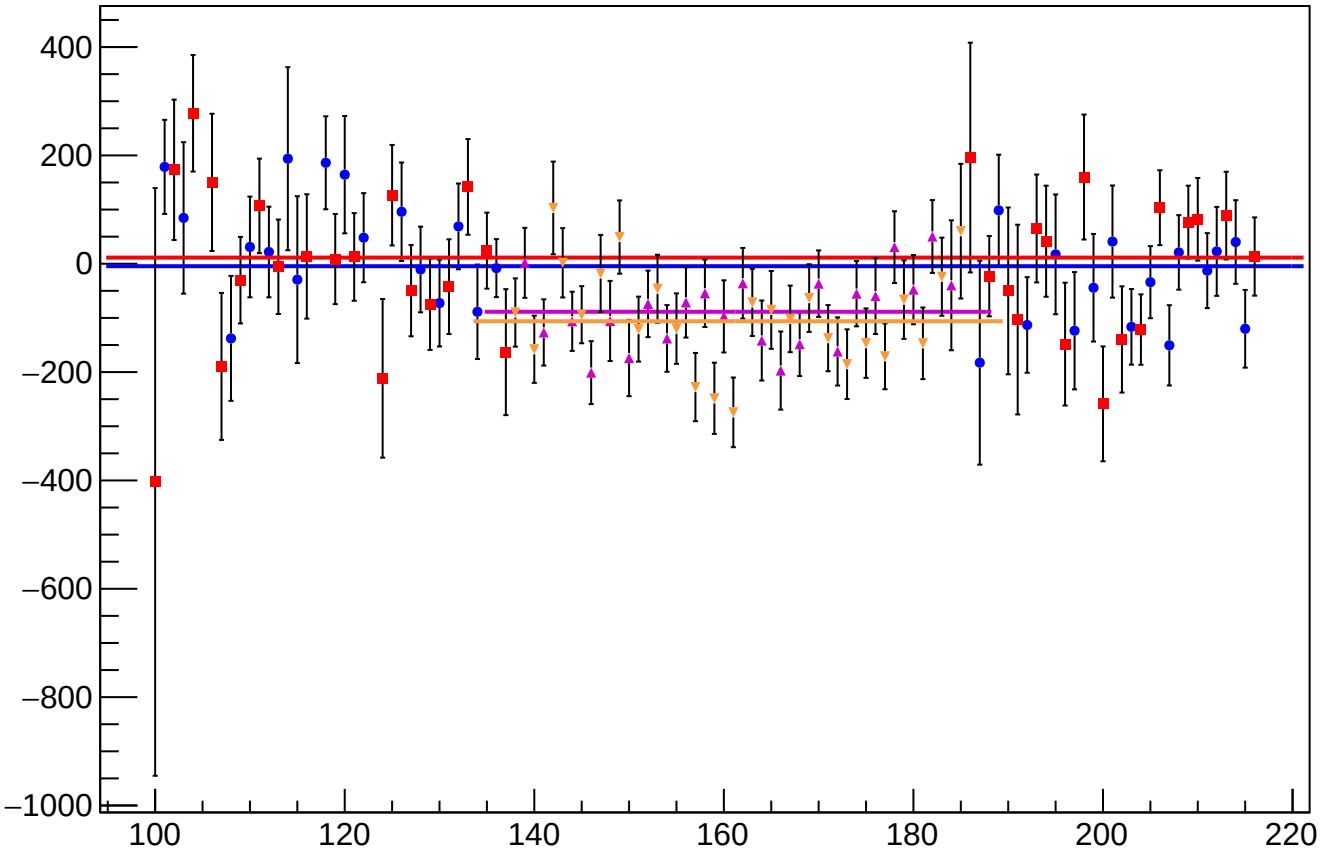
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 570.656+/-0.068 χ^2/NDF: 6317836.9/65

In: 395.071+/-0.048 χ^2/NDF:7471910.4/53

Out: 394.208+/-0.047 χ^2/NDF:8799690.9/59

All: 394.633+/-0.034 χ^2/NDF: 16271763.8/1



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: 11.343+/-15.726 χ^2/NDF: 46.6/34

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

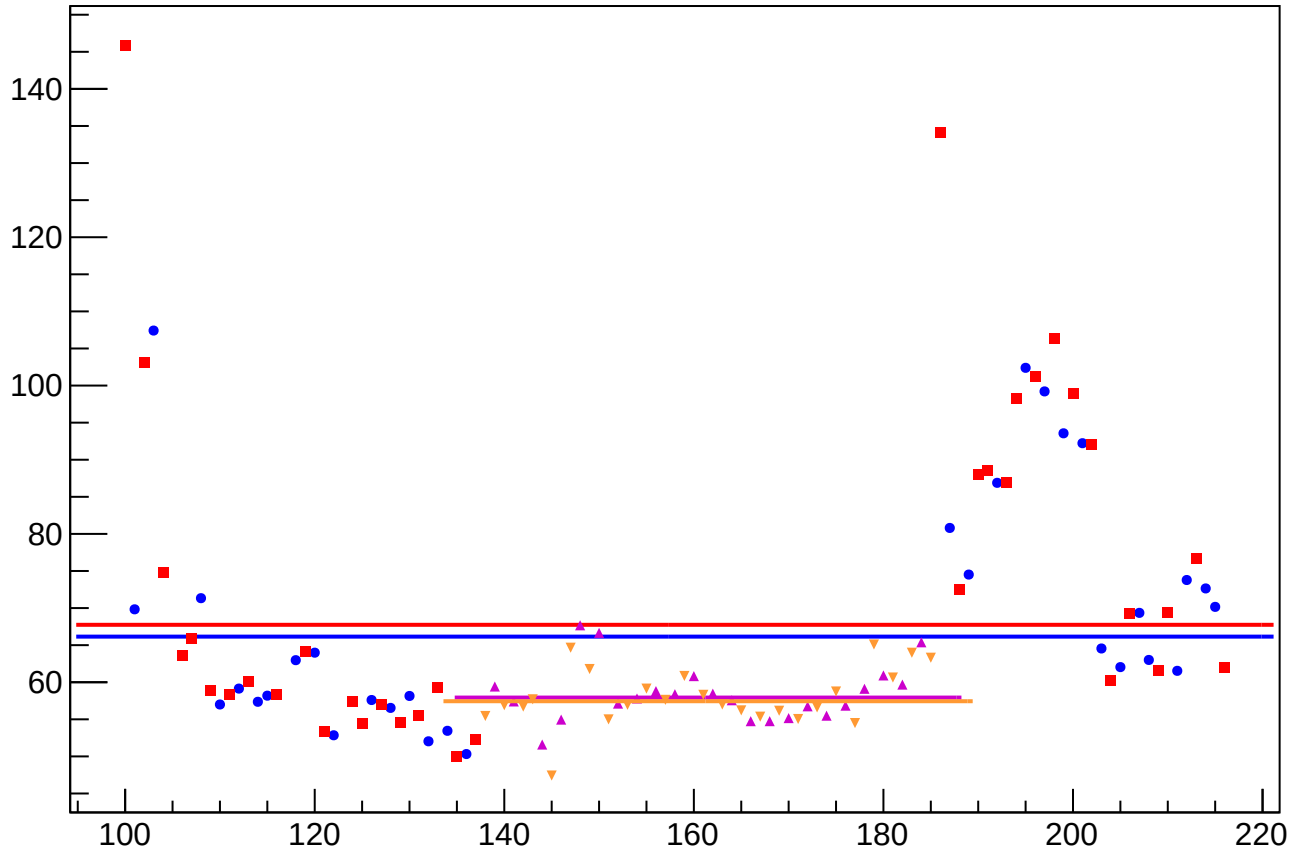
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 3.255+/-11.015 χ^2/NDF: 81.3/65

In: -51.973+/-10.190 χ^2/NDF:74.9/53

Out: -58.035+/-10.060 χ^2/NDF:120.2/59

All: -55.043+/-7.159 χ^2/NDF: 195.3/113



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: 67.743+/-0.011 χ^2/NDF: 1995164.2/34

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

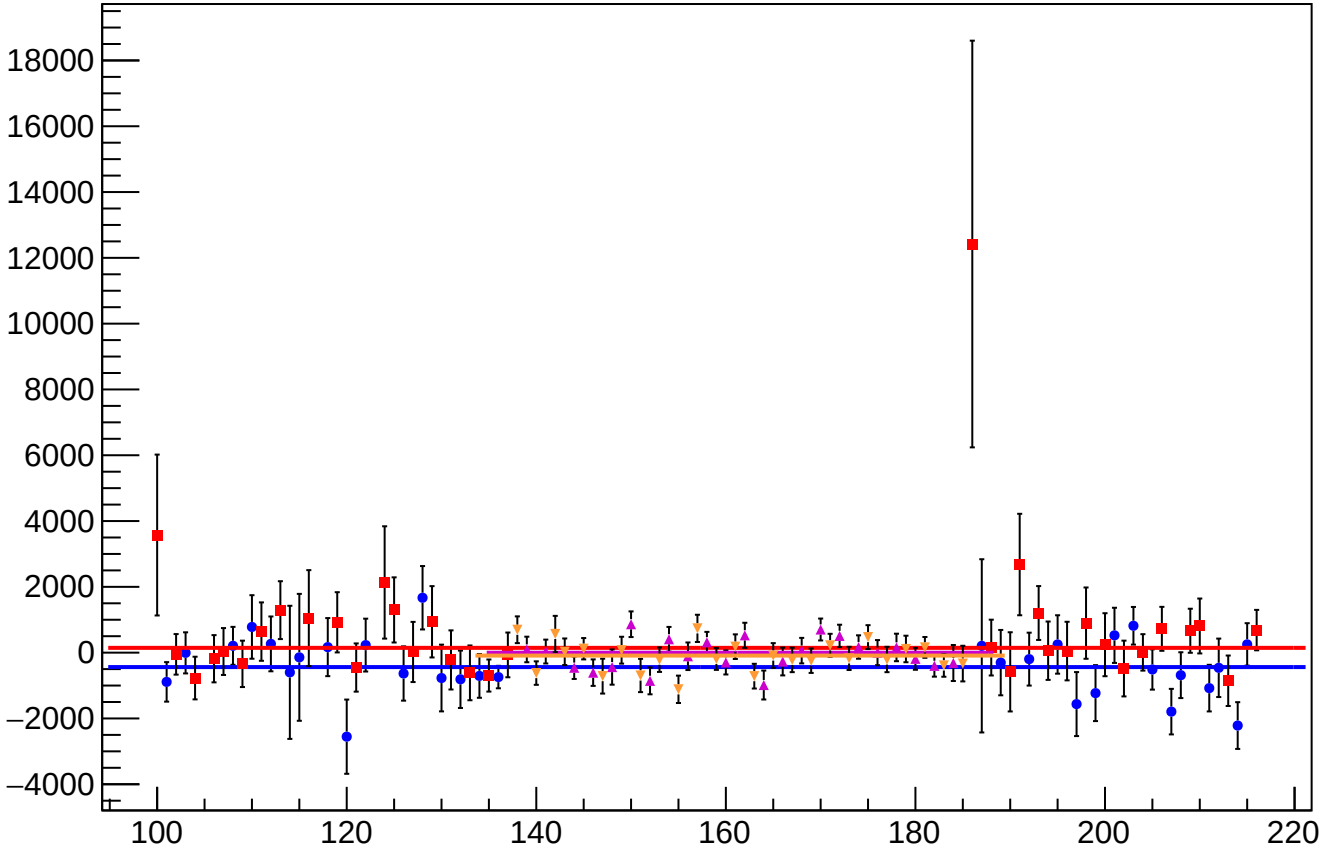
Right: 66.932+/-0.008 χ^2/NDF: 3515776.3/65

In: 61.515+/-0.007 χ^2/NDF:1965957.0/53

Out: 61.657+/-0.007 χ^2/NDF:2676871.7/59

All: 61.587+/-0.005 χ^2/NDF: 4643026.2/113

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: 145.742+/-137.289 χ^2/NDF: 30.2/34

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

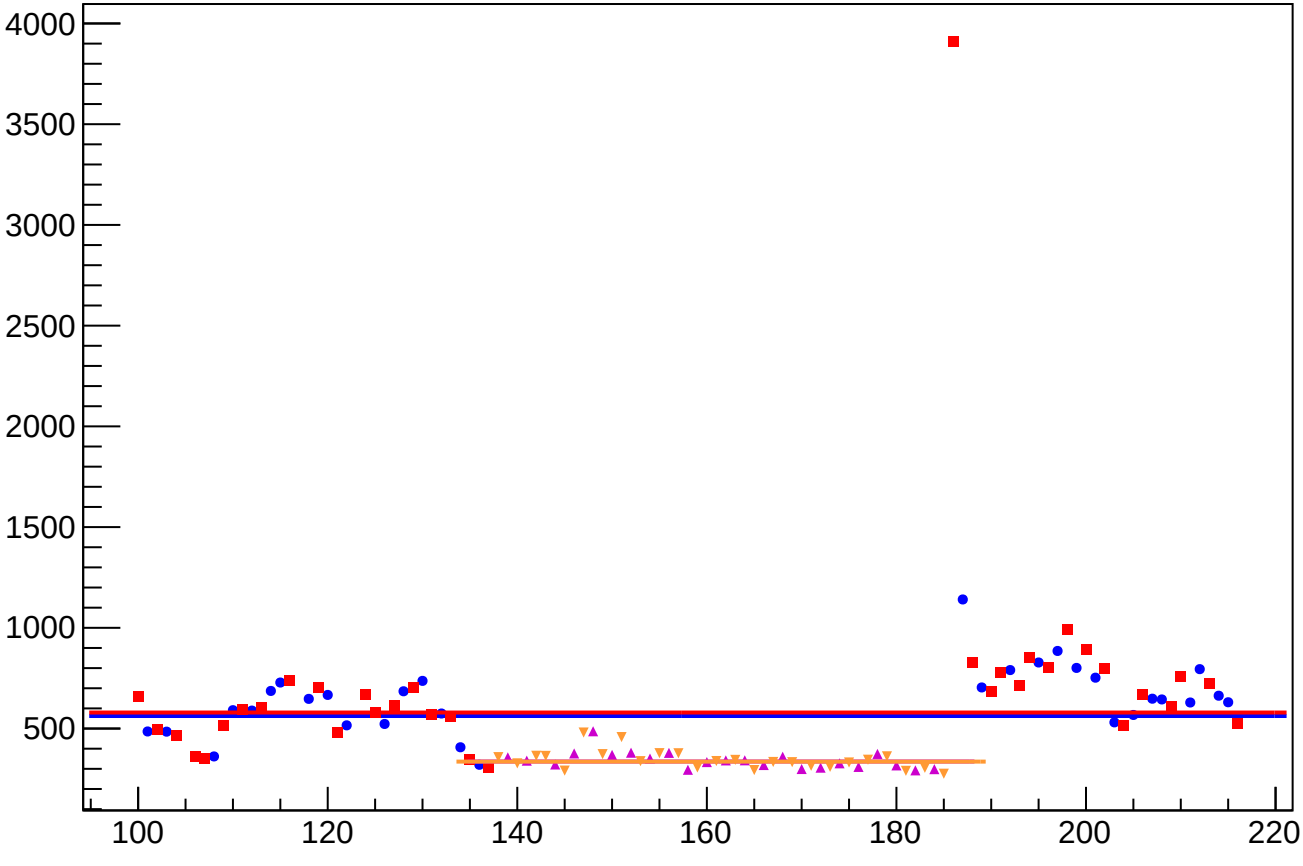
Right: -154.407+/-95.752 χ^2/NDF: 76.2/65

In: -116.304+/-68.126 χ^2/NDF:78.1/53

Out: -32.862+/-67.166 χ^2/NDF:62.3/59

All: -73.991+/-47.829 χ^2/NDF: 141.2/113

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: 579.536+/-0.097 χ^2/NDF: 3474604.9/34

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

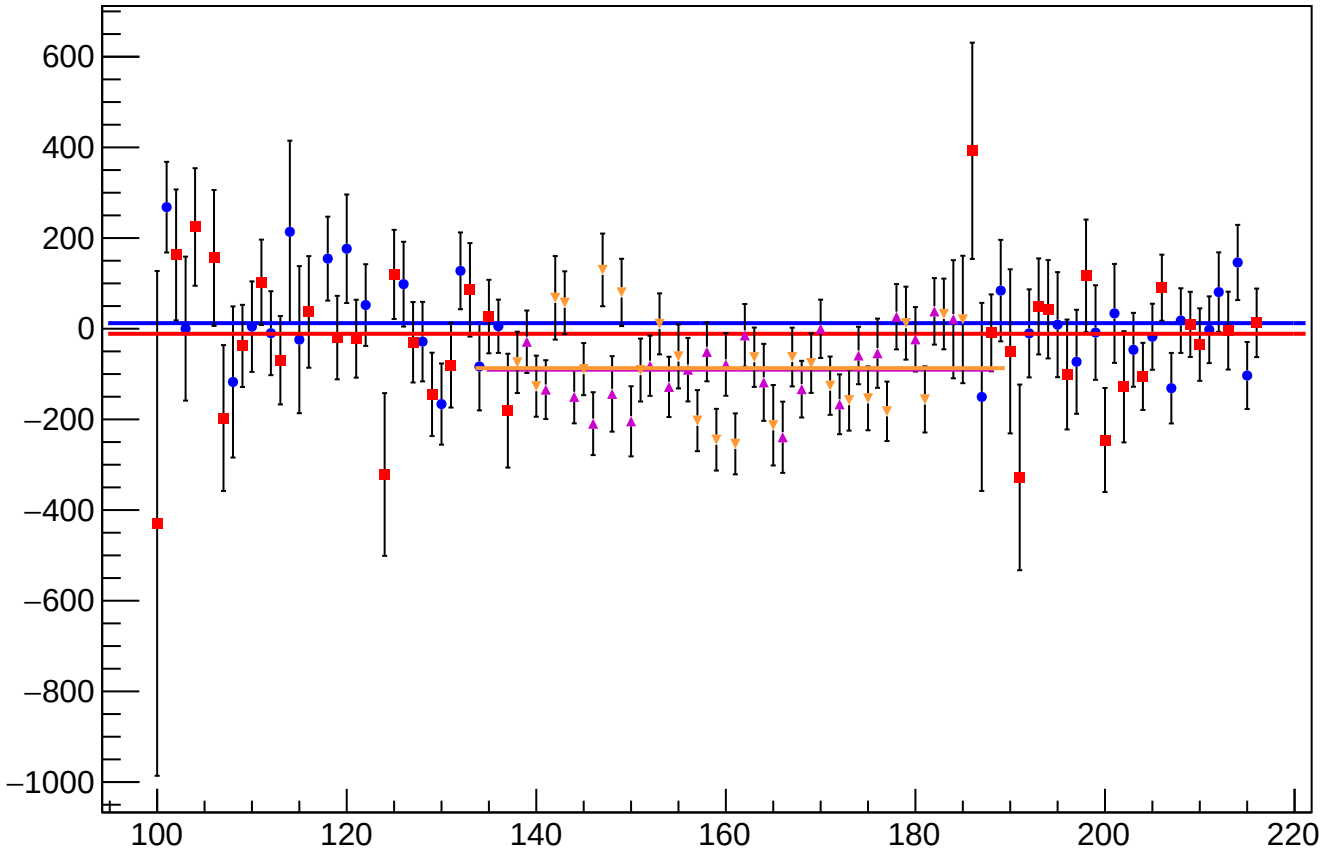
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 570.656+/-0.068 χ^2/NDF: 6317836.9/65

In: 395.071+/-0.048 χ^2/NDF:7471910.4/53

Out: 394.208+/-0.047 χ^2/NDF:8799690.9/59

All: 394.633+/-0.034 χ^2/NDF: 16271763.8/1



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: -11.158+/-17.280 χ^2/NDF: 36.8/34

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

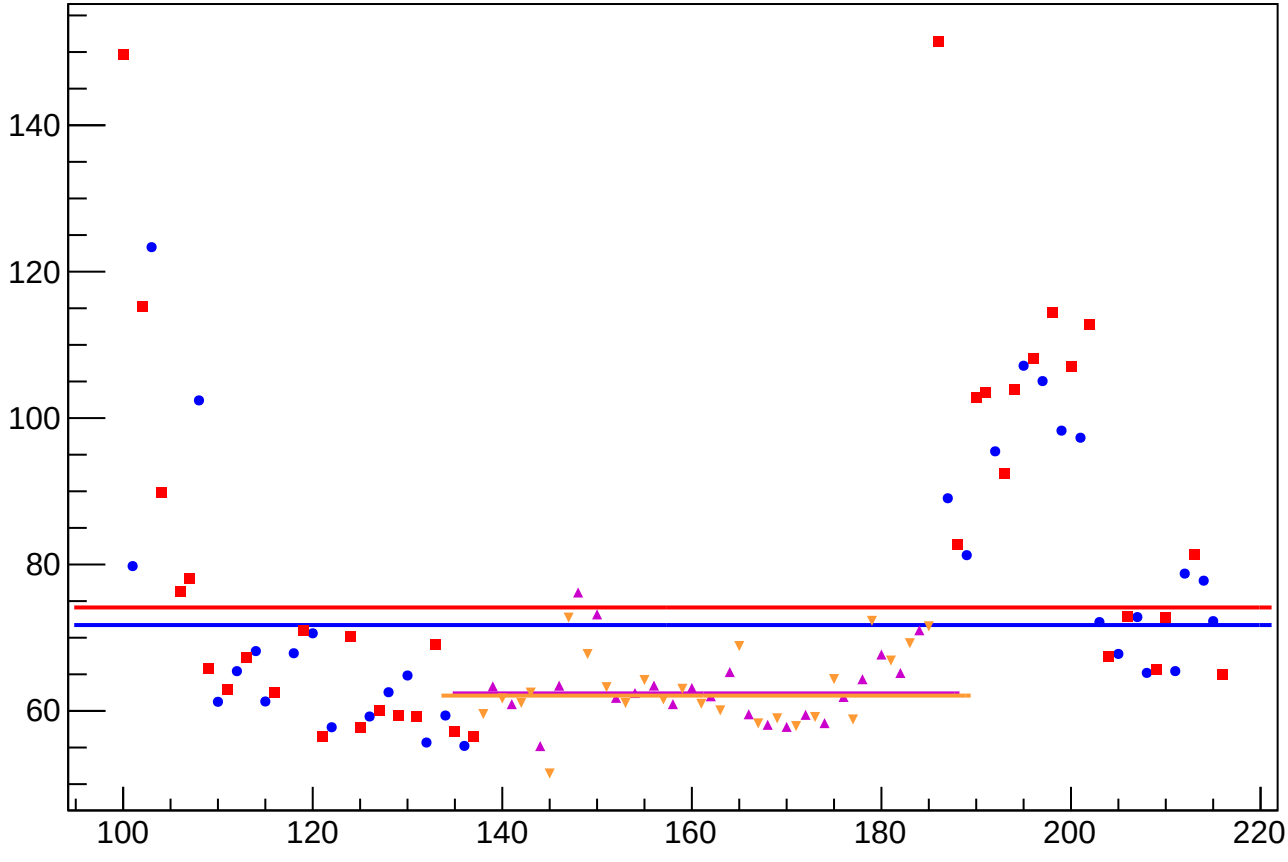
Right: 0.914+/-12.040 χ^2/NDF: 69.8/65

In: -45.950+/-11.040 χ^2/NDF:78.4/53

Out: -56.469+/-10.959 χ^2/NDF:97.1/59

All: -51.248+/-7.778 χ^2/NDF: 175.9/113

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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: 74.133+/-0.012 χ^2/NDF: 2084235.5/34

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

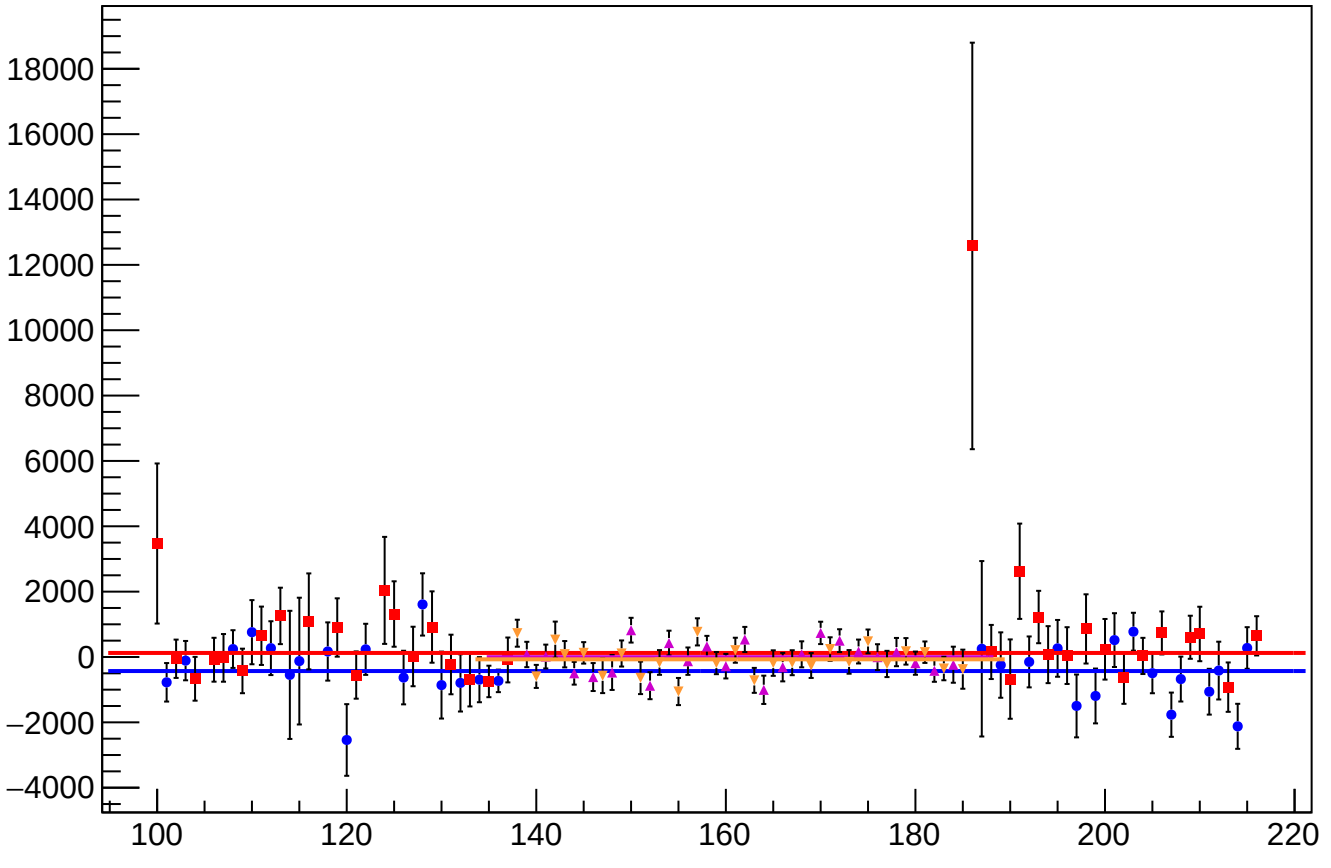
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 72.897+/-0.009 χ^2/NDF: 3624055.4/65

In: 66.433+/-0.008 χ^2/NDF:2059719.8/53

Out: 66.936+/-0.008 χ^2/NDF:2897943.5/59

All: 66.686+/-0.005 χ^2/NDF: 4959749.5/113



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: 123.671+/-135.270 χ^2/NDF: 31.4/34

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

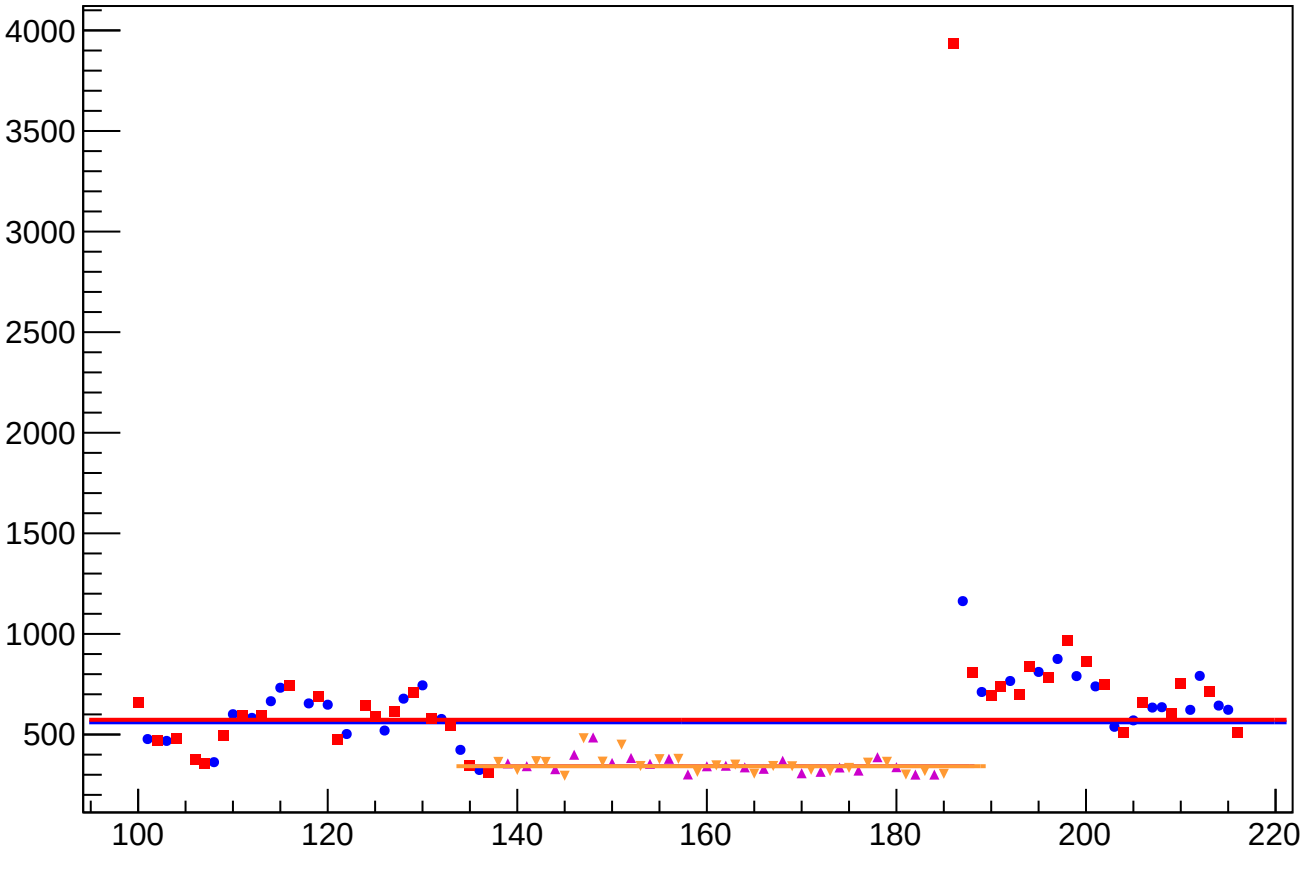
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -158.262+/-94.783 χ^2/NDF: 75.6/65

In: -120.559+/-69.009 χ^2/NDF:77.1/53

Out: -22.294+/-67.830 χ^2/NDF:61.6/59

All: -70.580+/-48.375 χ^2/NDF: 139.7/113



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: 573.213+/-0.096 χ^2/NDF: 3322961.0/34

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

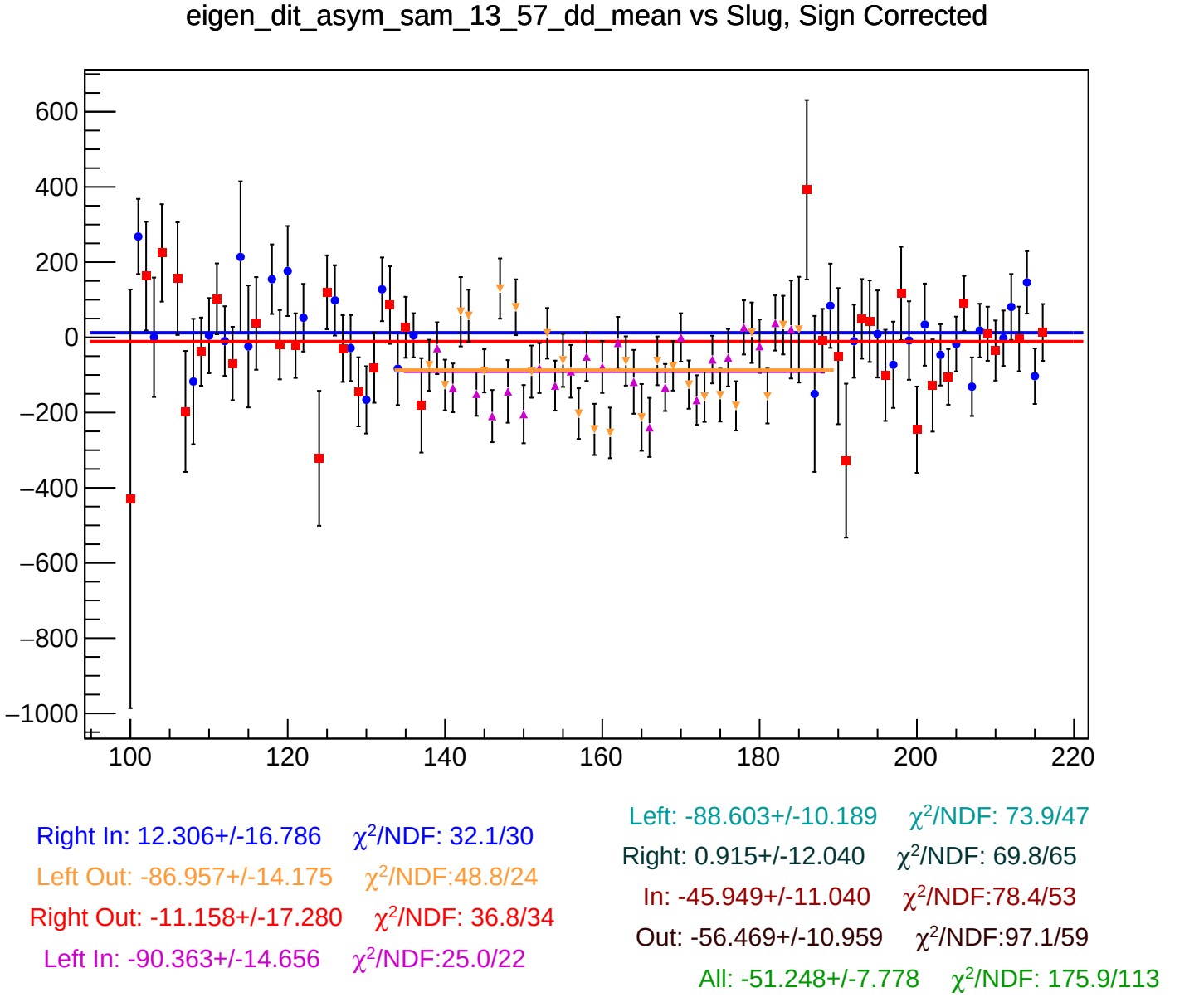
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

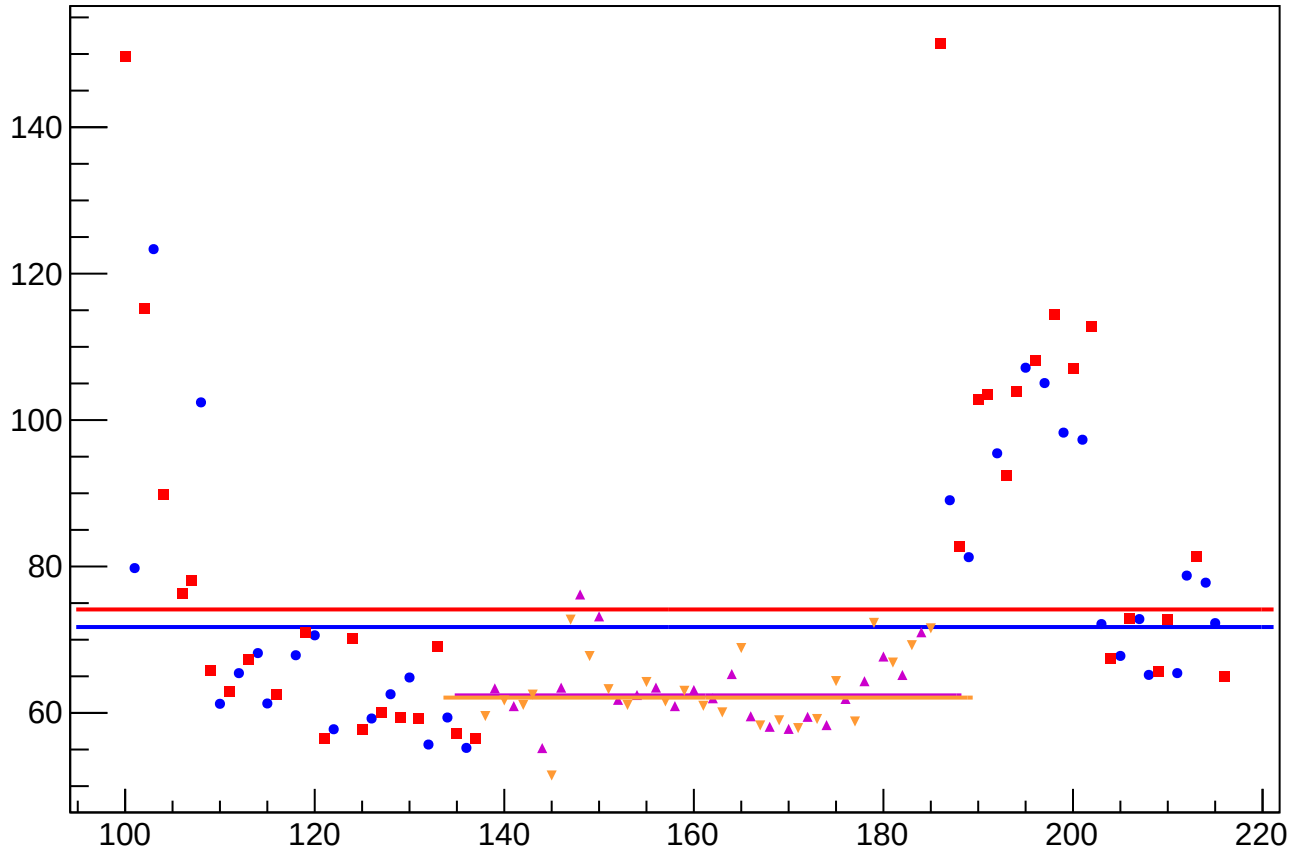
Right: 566.844+/-0.067 χ^2/NDF: 6009583.2/65

In: 401.921+/-0.049 χ^2/NDF:6963583.6/53

Out: 400.514+/-0.048 χ^2/NDF:8112134.6/59

All: 401.205+/-0.034 χ^2/NDF: 15076141.5/1


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
220
Right In: 12.306+/-16.786 χ²/NDF: 32.1/30
Left Out: -86.957+/-14.175 χ²/NDF:48.8/24
Right Out: -11.158+/-17.280 χ²/NDF: 36.8/34
Left In: -90.363+/-14.656 χ²/NDF:25.0/22
Left: -88.603+/-10.189 χ²/NDF: 73.9/47
Right: 0.915+/-12.040 χ²/NDF: 69.8/65
In: -45.949+/-11.040 χ²/NDF:78.4/53
Out: -56.469+/-10.959 χ²/NDF:97.1/59
All: -51.248+/-7.778 χ²/NDF: 175.9/113



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: 74.133+/-0.012 χ^2/NDF: 2084239.8/34

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

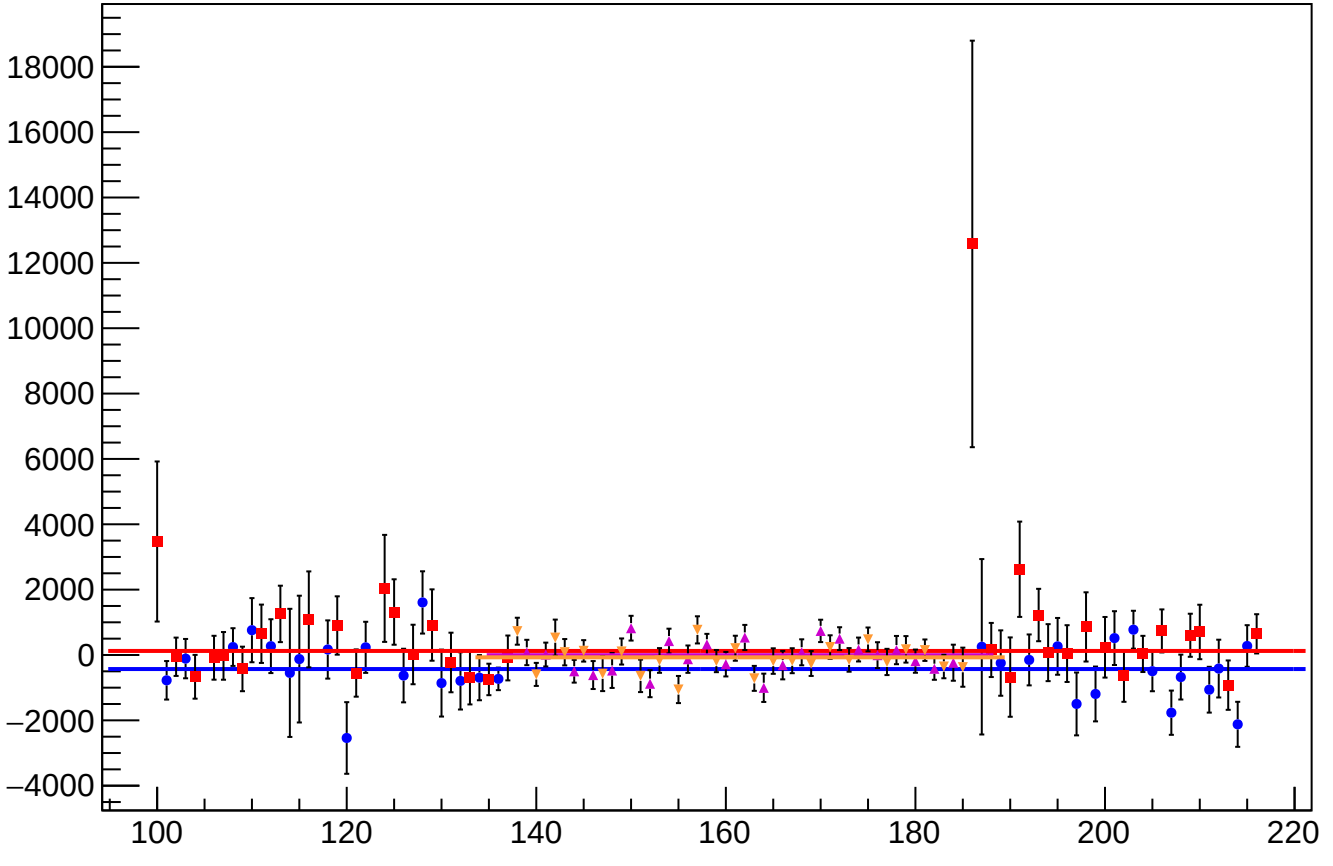
Right: 72.897+/-0.009 χ^2/NDF: 3624081.7/65

In: 66.433+/-0.008 χ^2/NDF:2059741.5/53

Out: 66.936+/-0.008 χ^2/NDF:2897946.9/59

All: 66.686+/-0.005 χ^2/NDF: 4959774.3/113

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 123.671+/-135.270 χ^2/NDF: 31.4/34

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

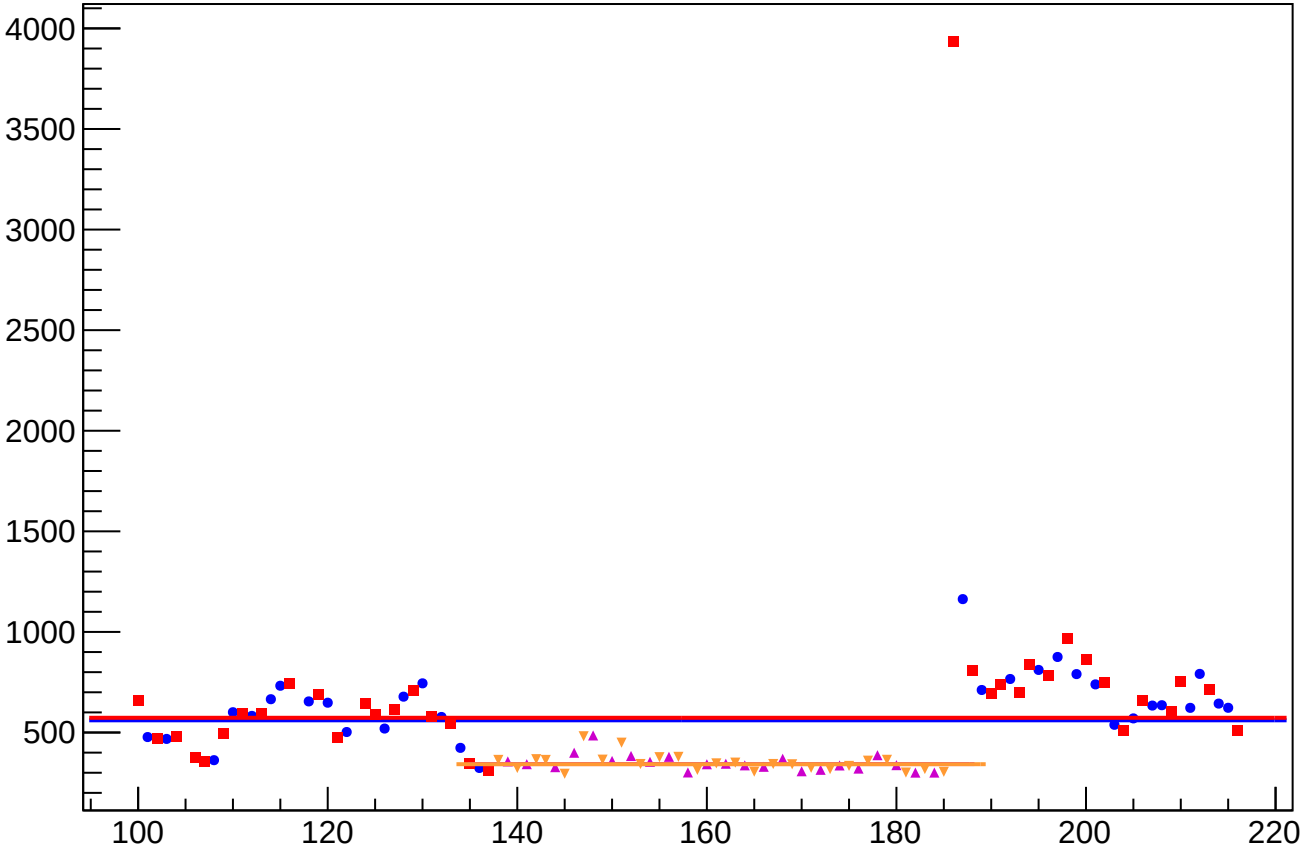
Right: -158.262+/-94.783 χ^2/NDF: 75.6/65

In: -120.560+/-69.009 χ^2/NDF:77.1/53

Out: -22.293+/-67.830 χ^2/NDF:61.6/59

All: -70.580+/-48.375 χ^2/NDF: 139.7/113

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 573.213+/-0.096 χ^2/NDF: 3322966.7/34

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

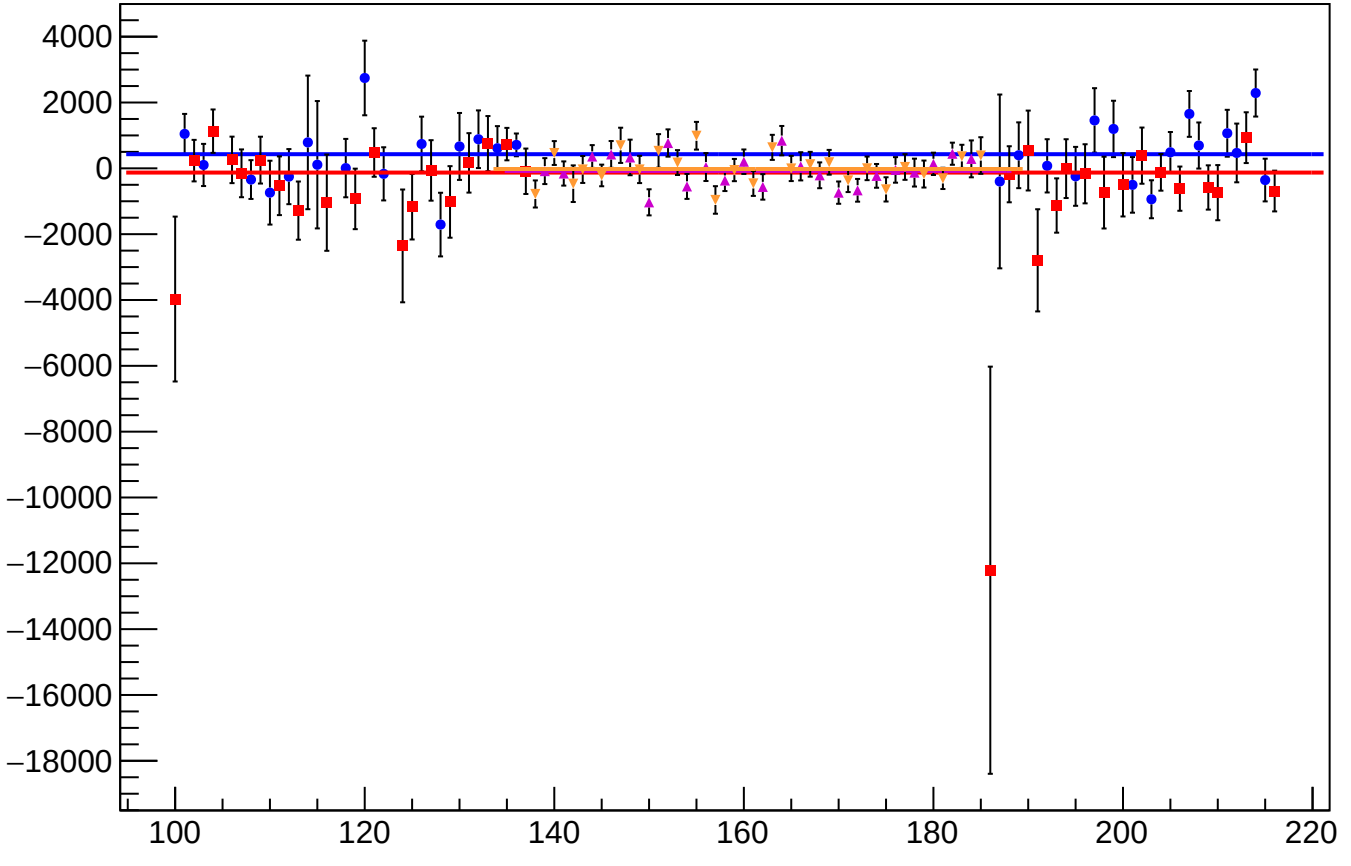
Right: 566.844+/-0.067 χ^2/NDF: 6009592.1/65

In: 401.921+/-0.049 χ^2/NDF:6963566.8/53

Out: 400.513+/-0.048 χ^2/NDF:8112122.4/59

All: 401.205+/-0.034 χ^2/NDF: 15076112.7/1

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: -128.703+/-138.349 χ^2/NDF: 32.0/34

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

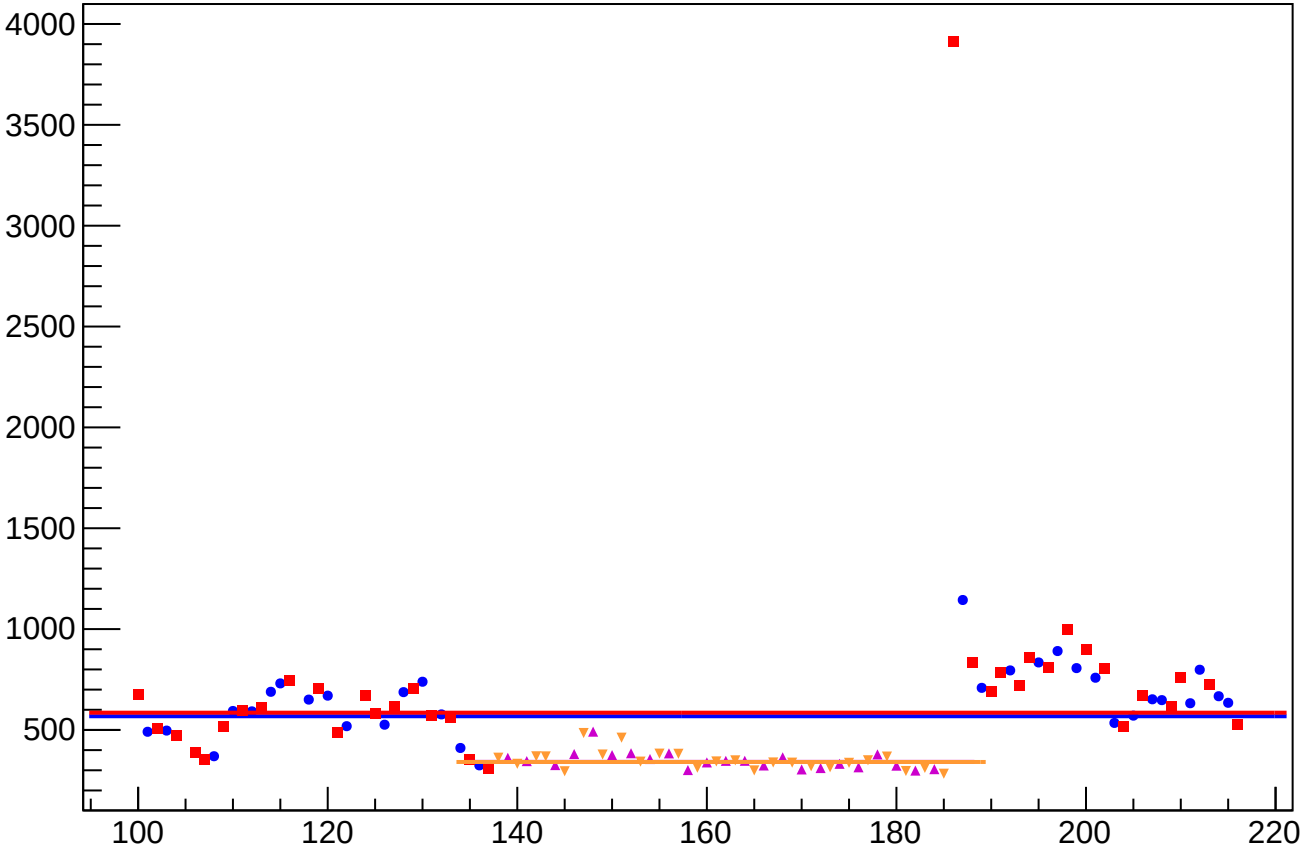
Right: 157.662+/-96.559 χ^2/NDF: 78.5/65

In: 54.655+/-69.061 χ^2/NDF:81.5/53

Out: -46.525+/-68.075 χ^2/NDF:63.9/59

All: 3.337+/-48.481 χ^2/NDF: 146.5/113

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: 585.596+/-0.098 χ^2/NDF: 3387285.9/34

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

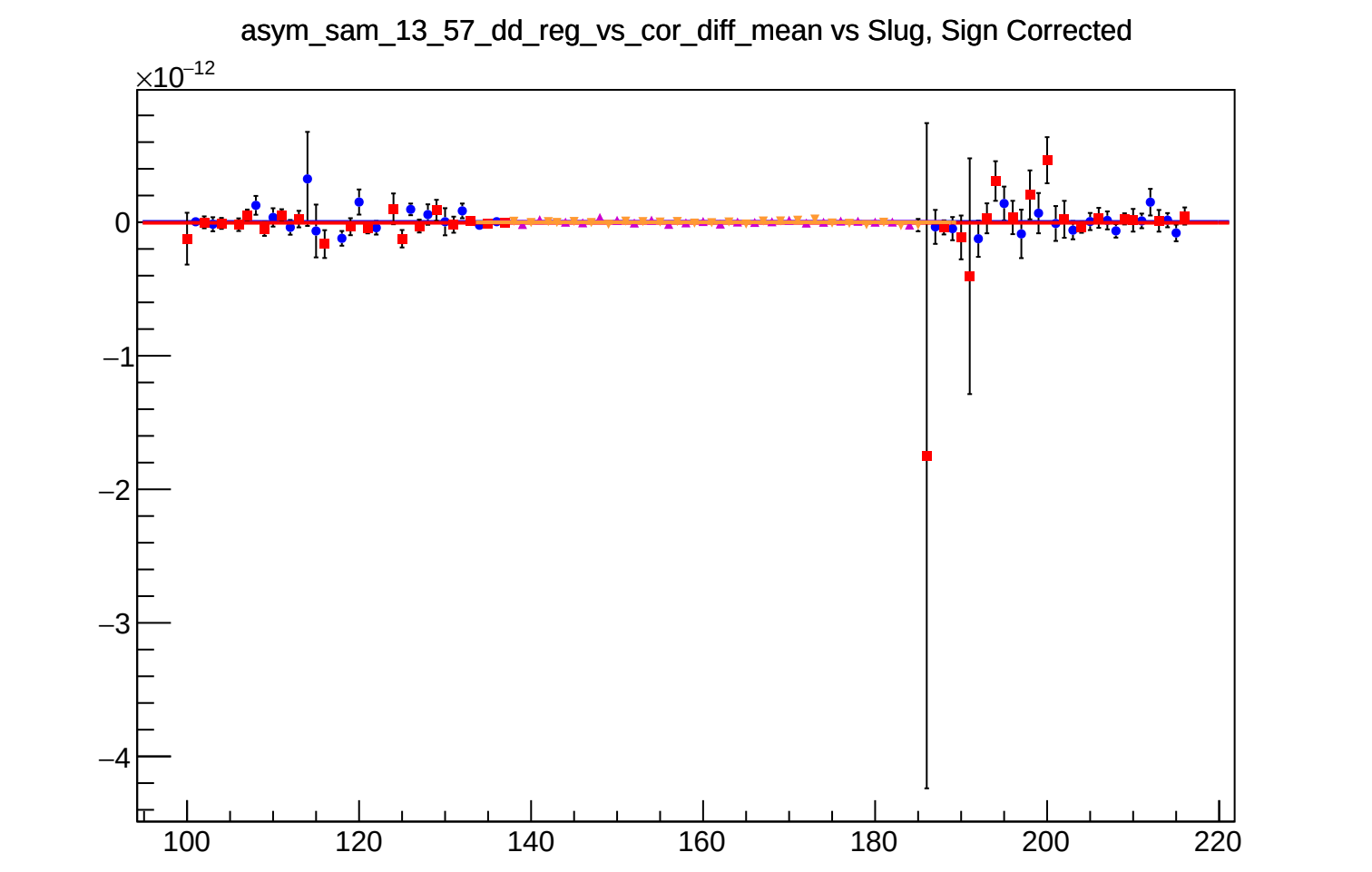
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 576.541+/-0.068 χ^2/NDF: 6162693.9/65

In: 400.999+/-0.049 χ^2/NDF:7312204.4/53

Out: 400.372+/-0.048 χ^2/NDF:8628292.5/59

All: 400.681+/-0.034 χ^2/NDF: 15940580.5/11



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: 31.3/34

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

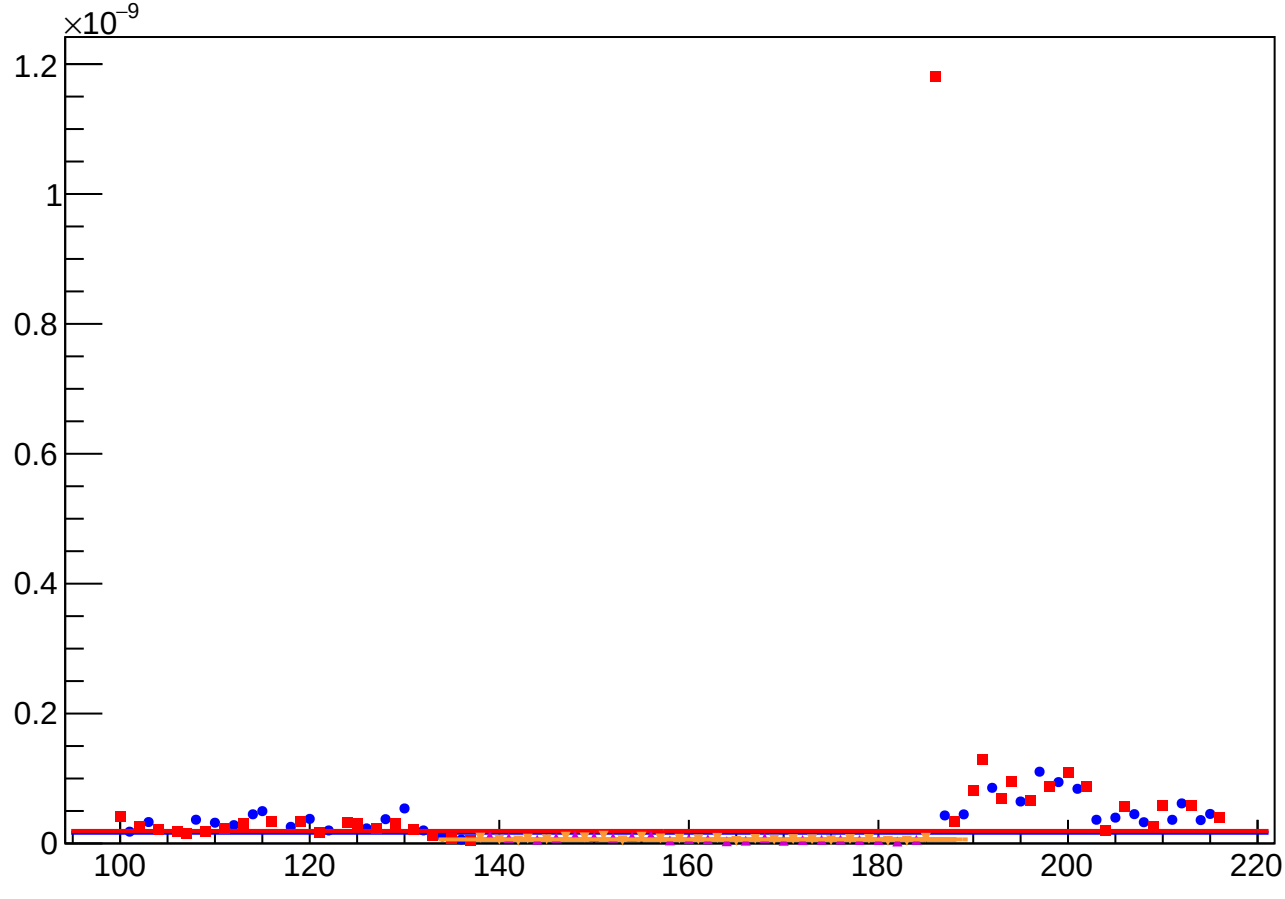
Right: -0.000+/-0.000 χ^2/NDF: 62.5/65

In: 0.000+/-0.000 χ^2/NDF:45.2/53

Out: -0.000+/-0.000 χ^2/NDF:50.7/59

All: 0.000+/-0.000 χ^2/NDF: 96.8/113

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7383252.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

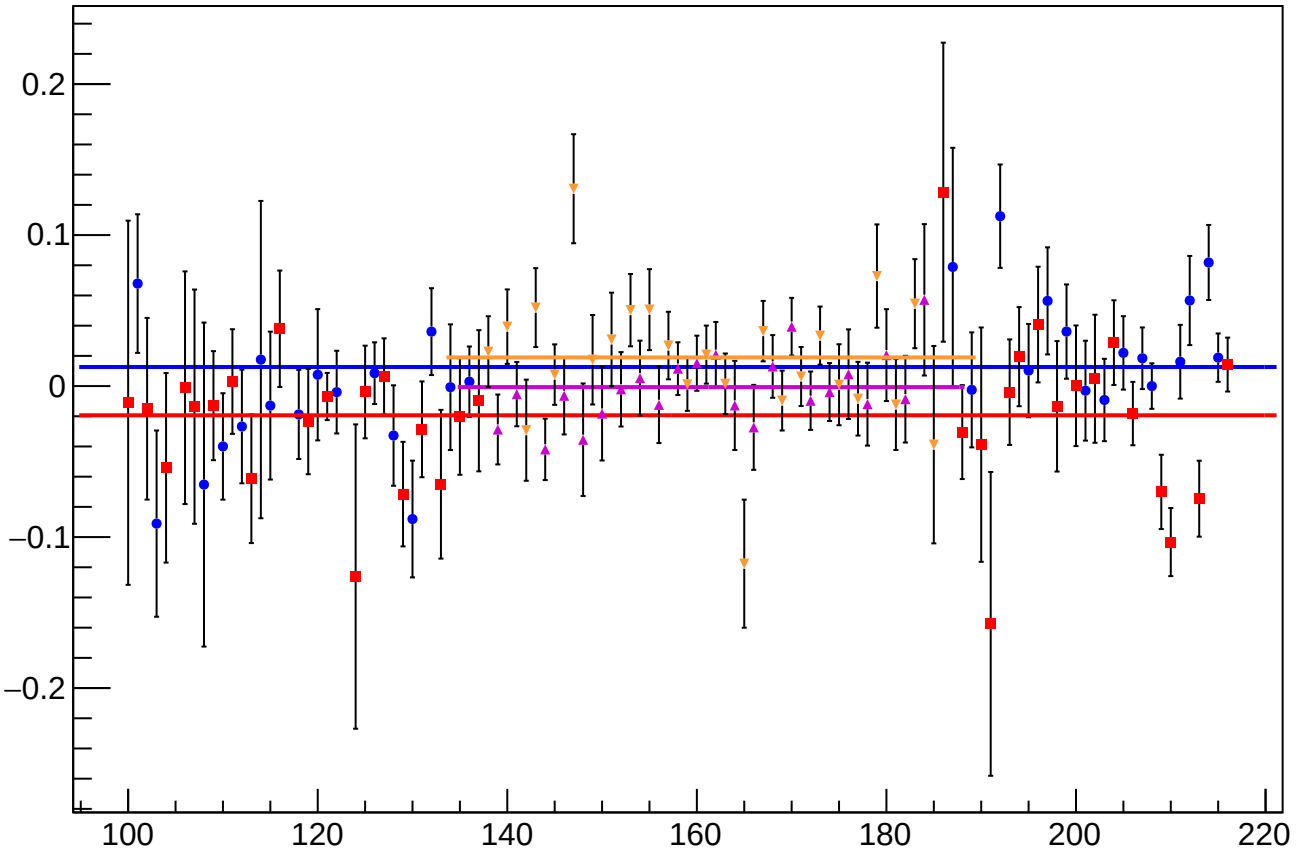
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16103325.5/65

In: 0.000+/-0.000 χ^2/NDF:13770125.3/53

Out: 0.000+/-0.000 χ^2/NDF:13058483.8/59

All: 0.000+/-0.000 χ^2/NDF: 26830995.5/113



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: -0.019+/-0.006 χ^2/NDF: 48.7/34

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

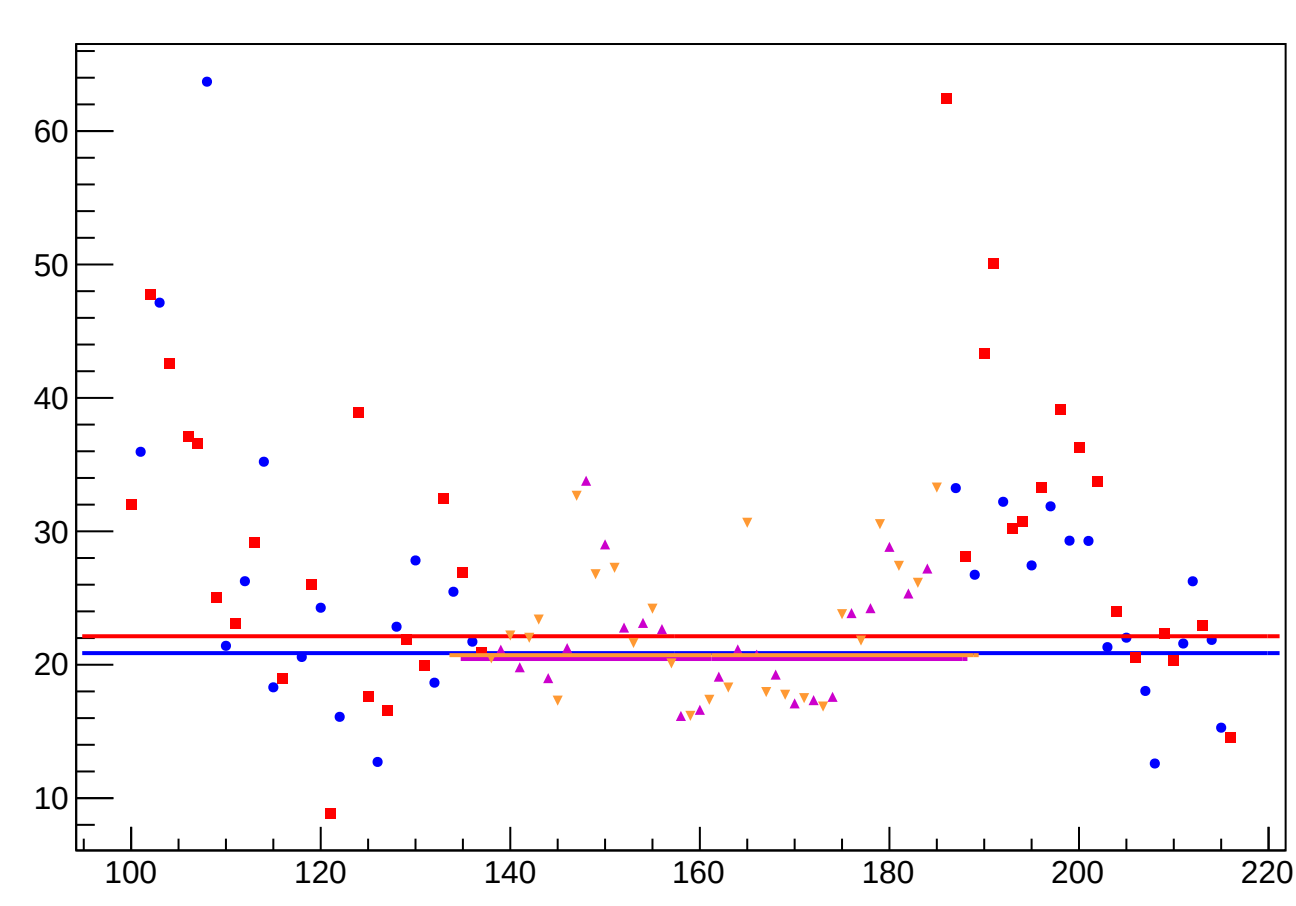
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.002+/-0.004 χ^2/NDF: 109.3/65

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.002+/-0.004 χ^2/NDF:116.7/59

All: 0.004+/-0.003 χ^2/NDF: 181.2/113



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: 22.136+/-0.004 χ^2/NDF: 4843600.7/34

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

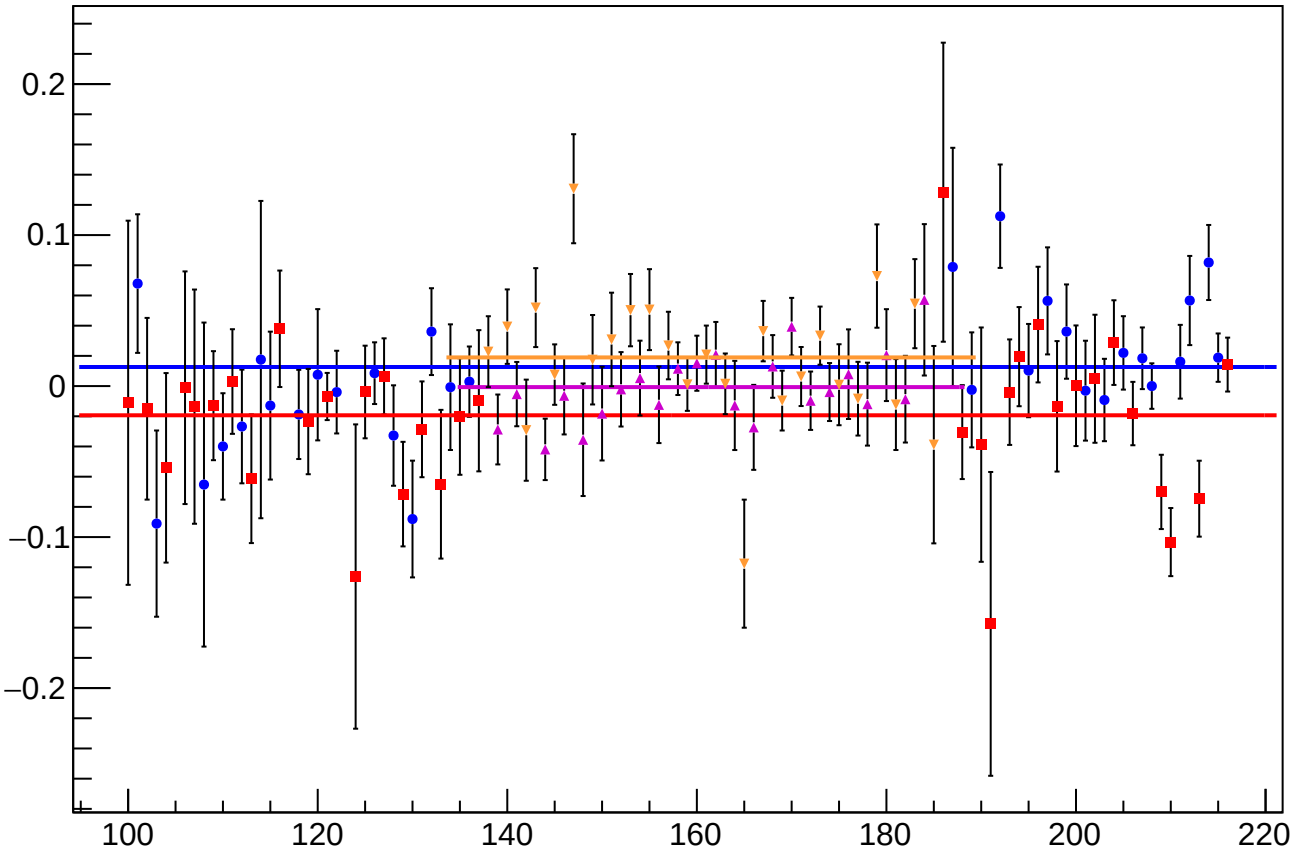
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.459+/-0.003 χ^2/NDF: 8220179.2/65

In: 20.639+/-0.003 χ^2/NDF:4502947.8/53

Out: 21.332+/-0.003 χ^2/NDF:6423397.7/59

All: 20.977+/-0.002 χ^2/NDF: 10962986.6/113



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: -0.019+/-0.006 χ^2/NDF: 48.7/34

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

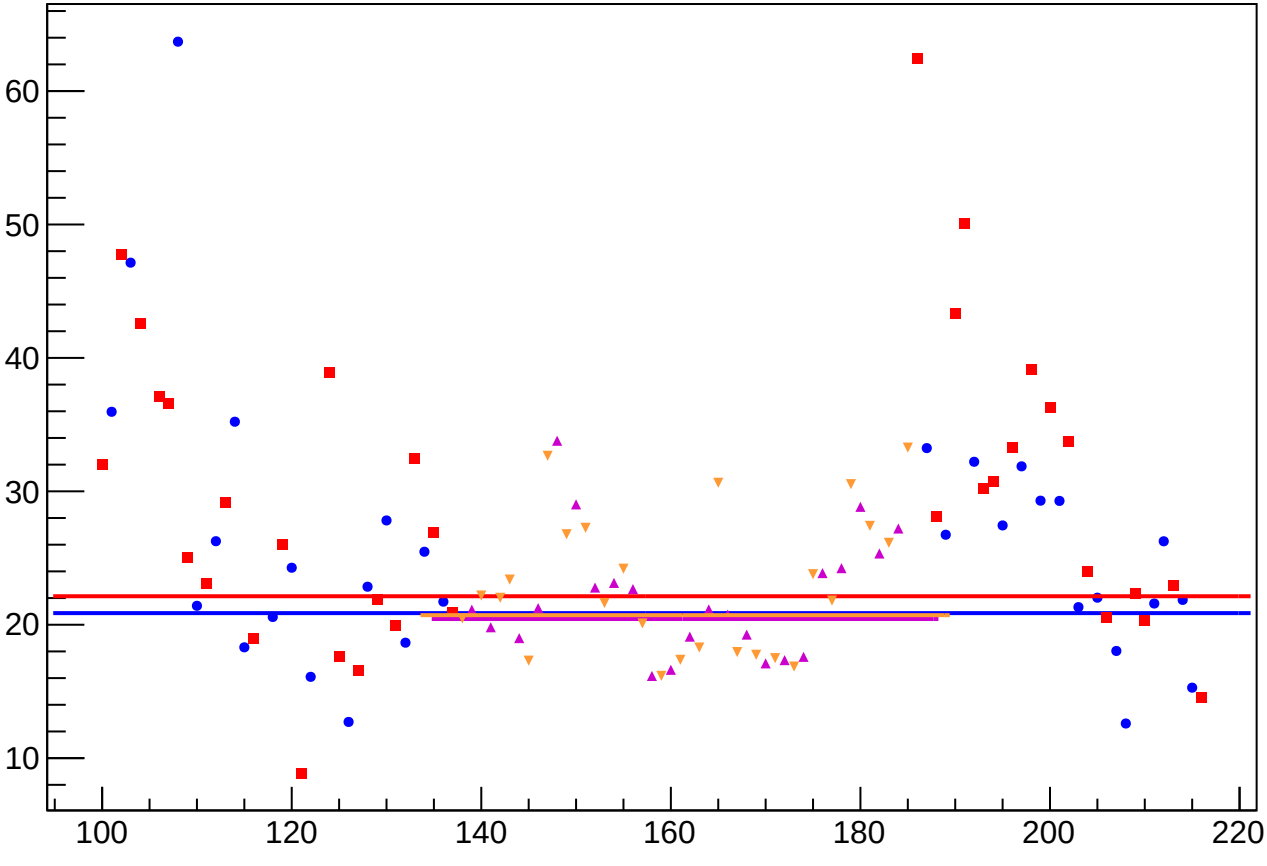
Right: -0.002+/-0.004 χ^2/NDF: 109.3/65

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.002+/-0.004 χ^2/NDF:116.7/59

All: 0.004+/-0.003 χ^2/NDF: 181.2/113

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: 22.136+/-0.004 χ^2/NDF: 4843600.7/34

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

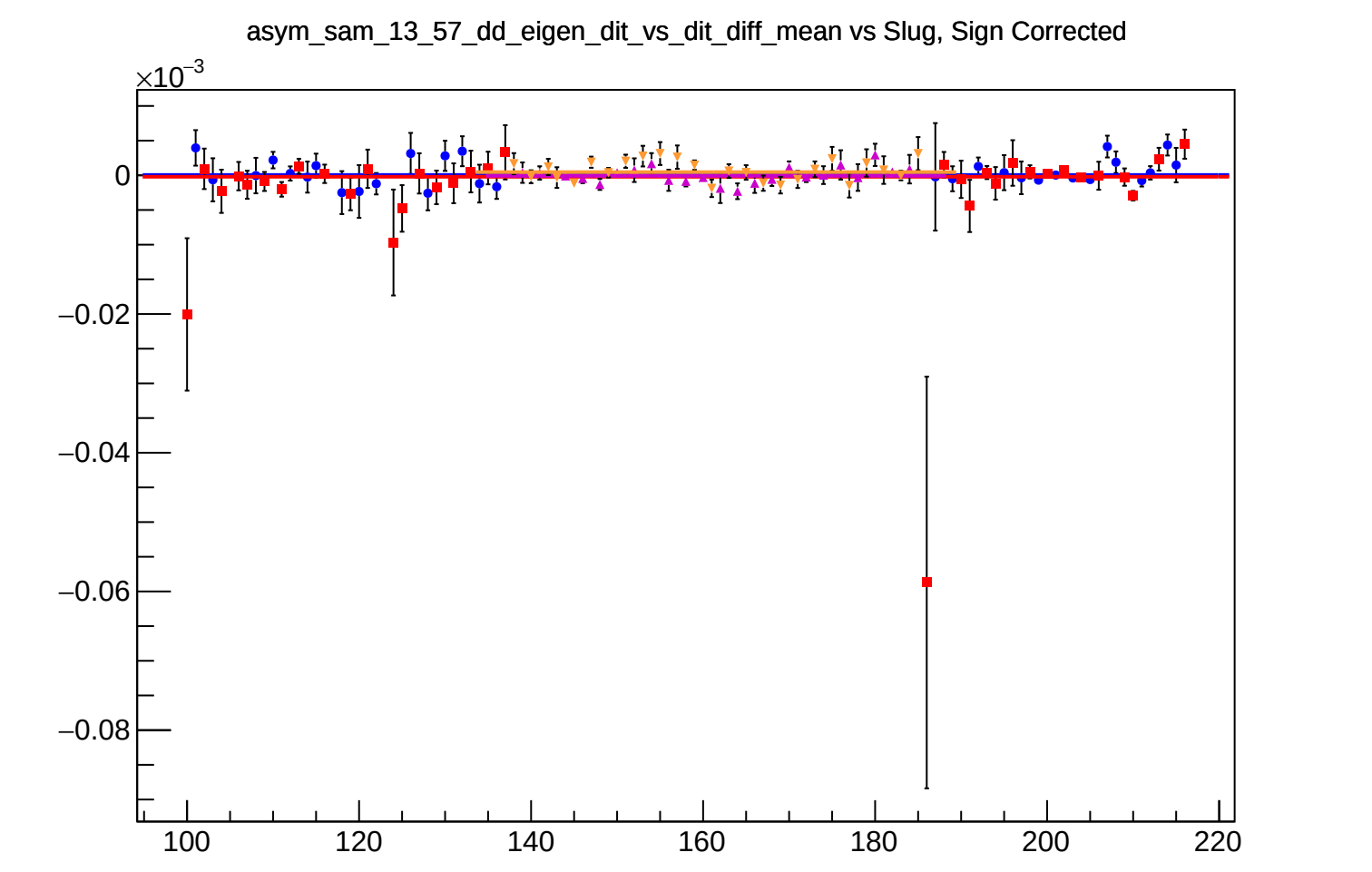
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.459+/-0.003 χ^2/NDF: 8220179.2/65

In: 20.639+/-0.003 χ^2/NDF:4502947.8/53

Out: 21.332+/-0.003 χ^2/NDF:6423397.7/59

All: 20.977+/-0.002 χ^2/NDF: 10962986.6/113



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: 49.5/34

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

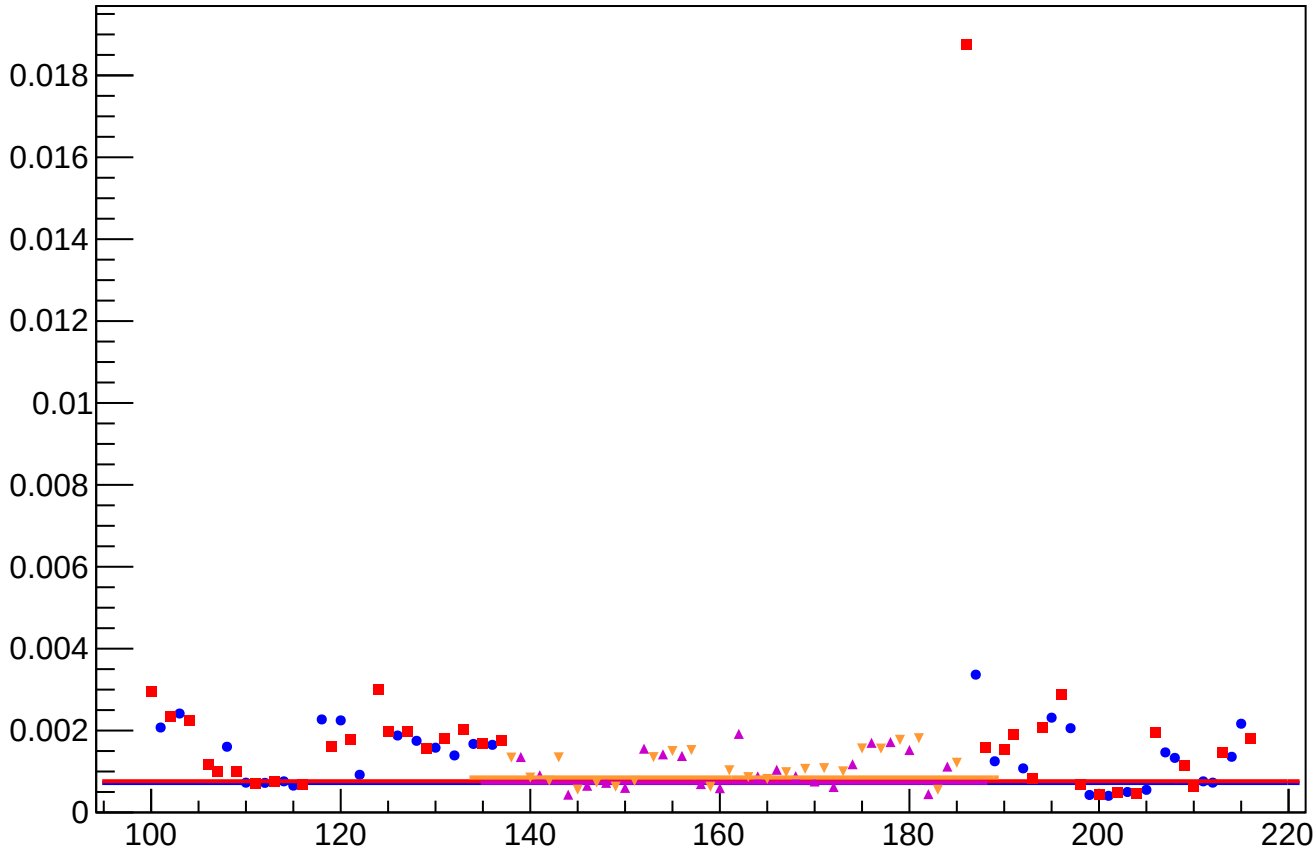
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 88.8/65

In: -0.000+/-0.000 χ^2/NDF:58.3/53

Out: 0.000+/-0.000 χ^2/NDF:91.3/59

All: 0.000+/-0.000 χ^2/NDF: 150.0/113



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: 10685194.6/34

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

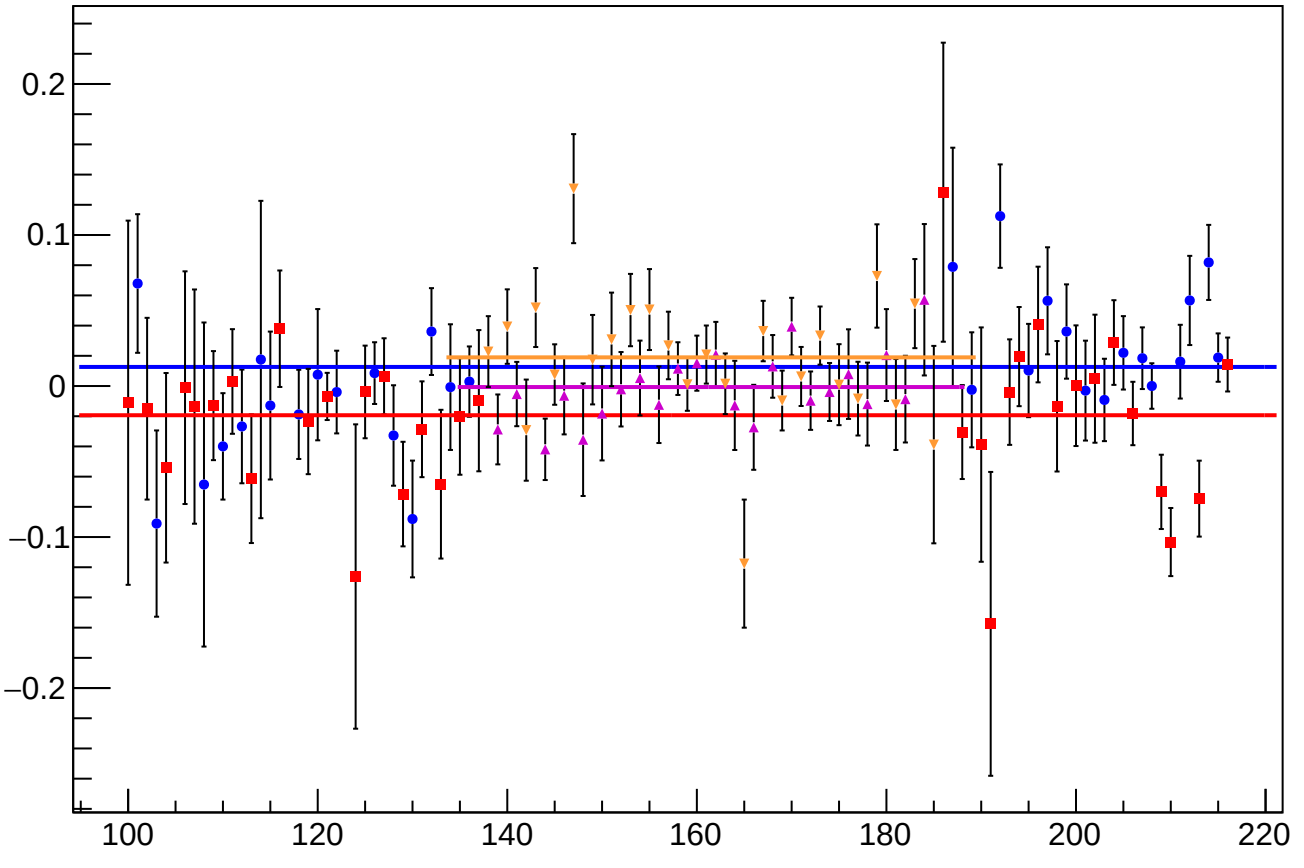
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 20985764.7/65

In: 0.001+/-0.000 χ^2/NDF:16060101.0/53

Out: 0.001+/-0.000 χ^2/NDF:15319276.8/59

All: 0.001+/-0.000 χ^2/NDF: 31752051.7/113



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: -0.019+/-0.006 χ^2/NDF: 48.7/34

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

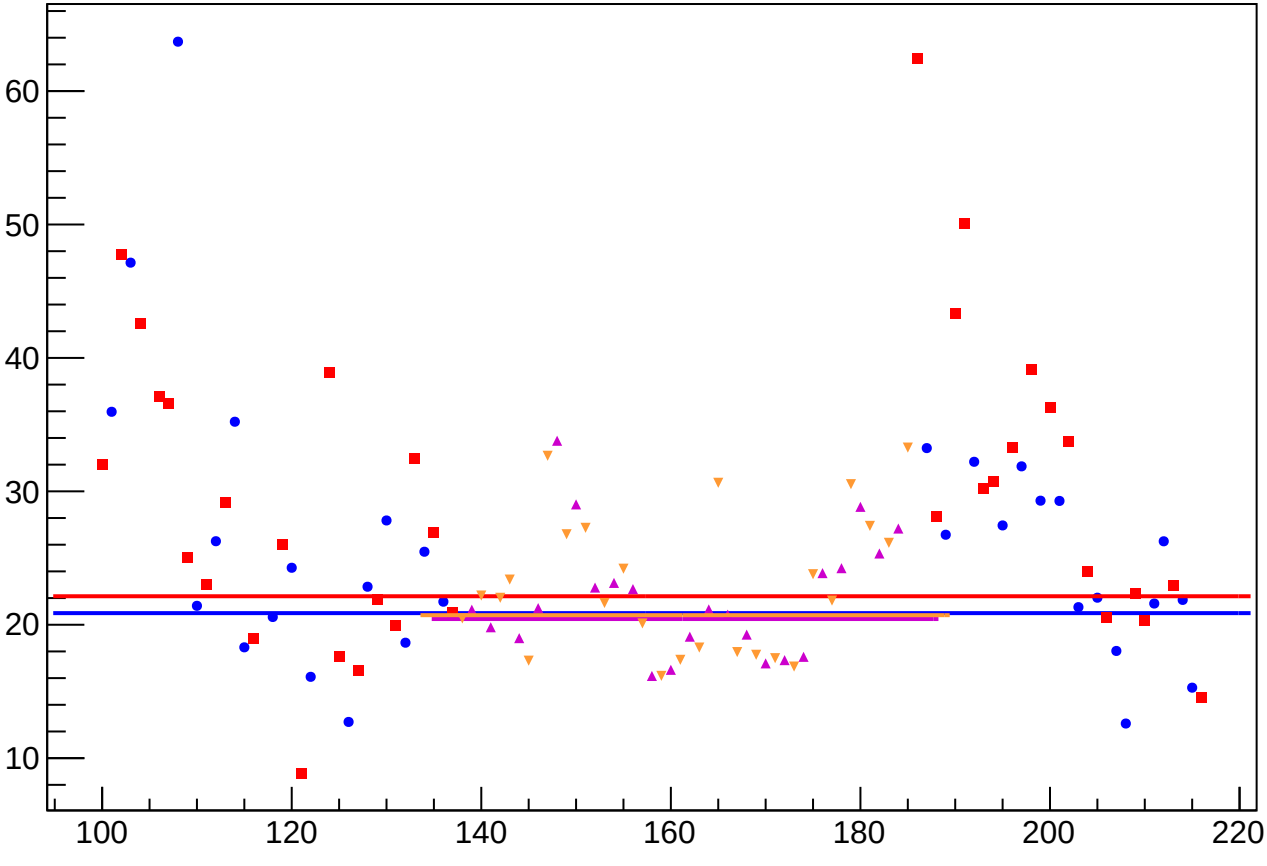
Right: -0.002+/-0.004 χ^2/NDF: 109.3/65

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.002+/-0.004 χ^2/NDF:116.7/59

All: 0.004+/-0.003 χ^2/NDF: 181.2/113

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: 22.136+/-0.004 χ^2/NDF: 4843071.9/34

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

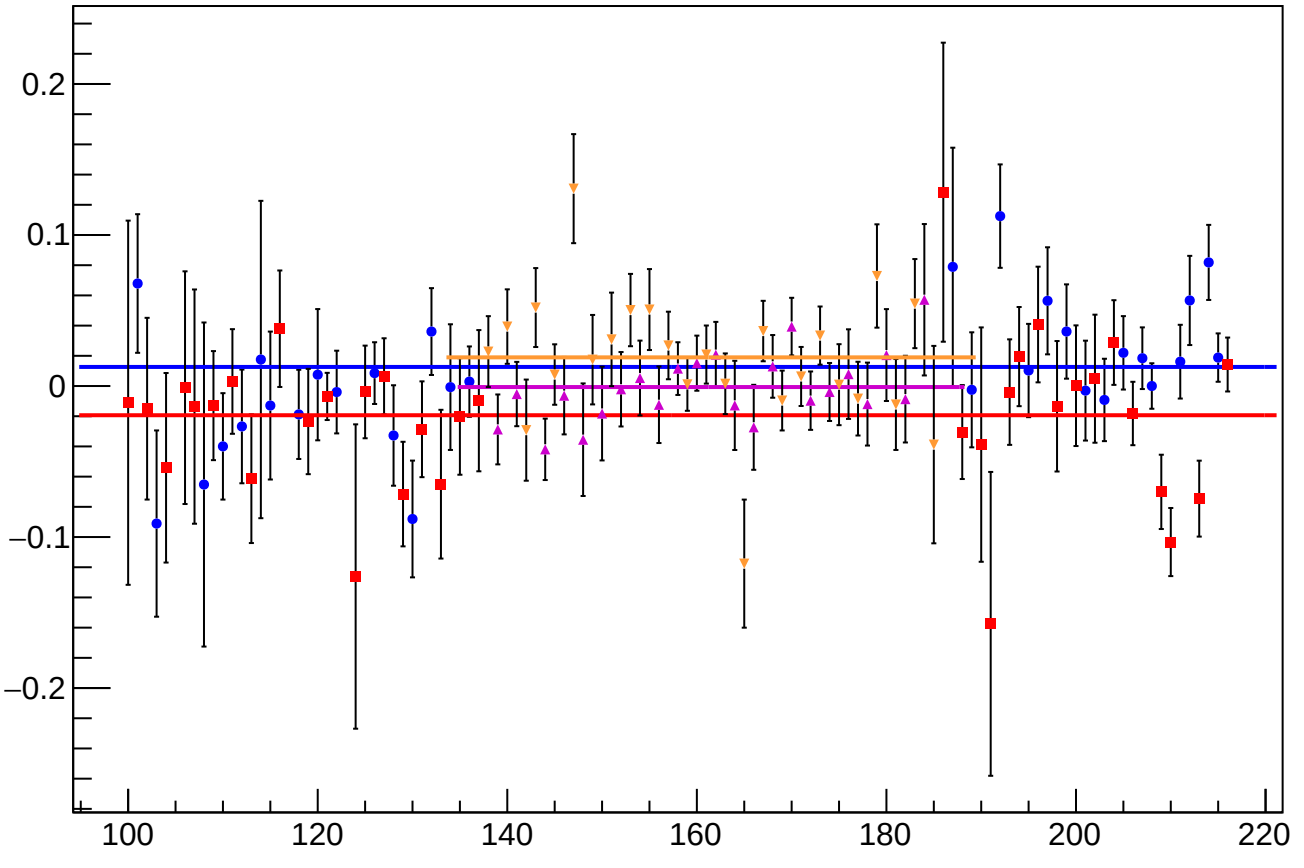
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.459+/-0.003 χ^2/NDF: 8219534.9/65

In: 20.639+/-0.003 χ^2/NDF:4502874.4/53

Out: 21.332+/-0.003 χ^2/NDF:6423015.9/59

All: 20.977+/-0.002 χ^2/NDF: 10962531.2/113



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: -0.019+/-0.006 χ^2/NDF: 48.7/34

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

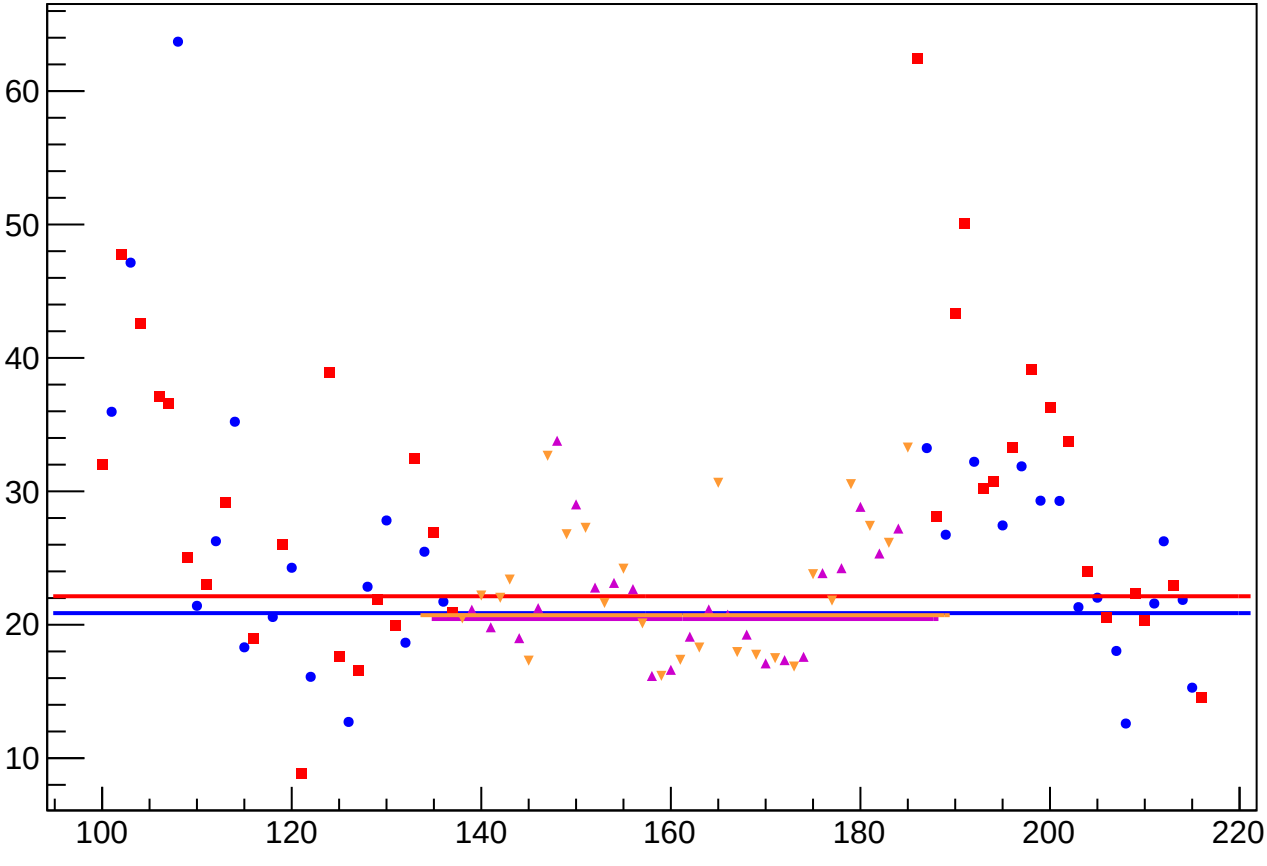
Right: -0.002+/-0.004 χ^2/NDF: 109.3/65

In: 0.006+/-0.004 χ^2/NDF:64.1/53

Out: 0.002+/-0.004 χ^2/NDF:116.7/59

All: 0.004+/-0.003 χ^2/NDF: 181.2/113

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: 22.136+/-0.004 χ^2/NDF: 4843071.9/34

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

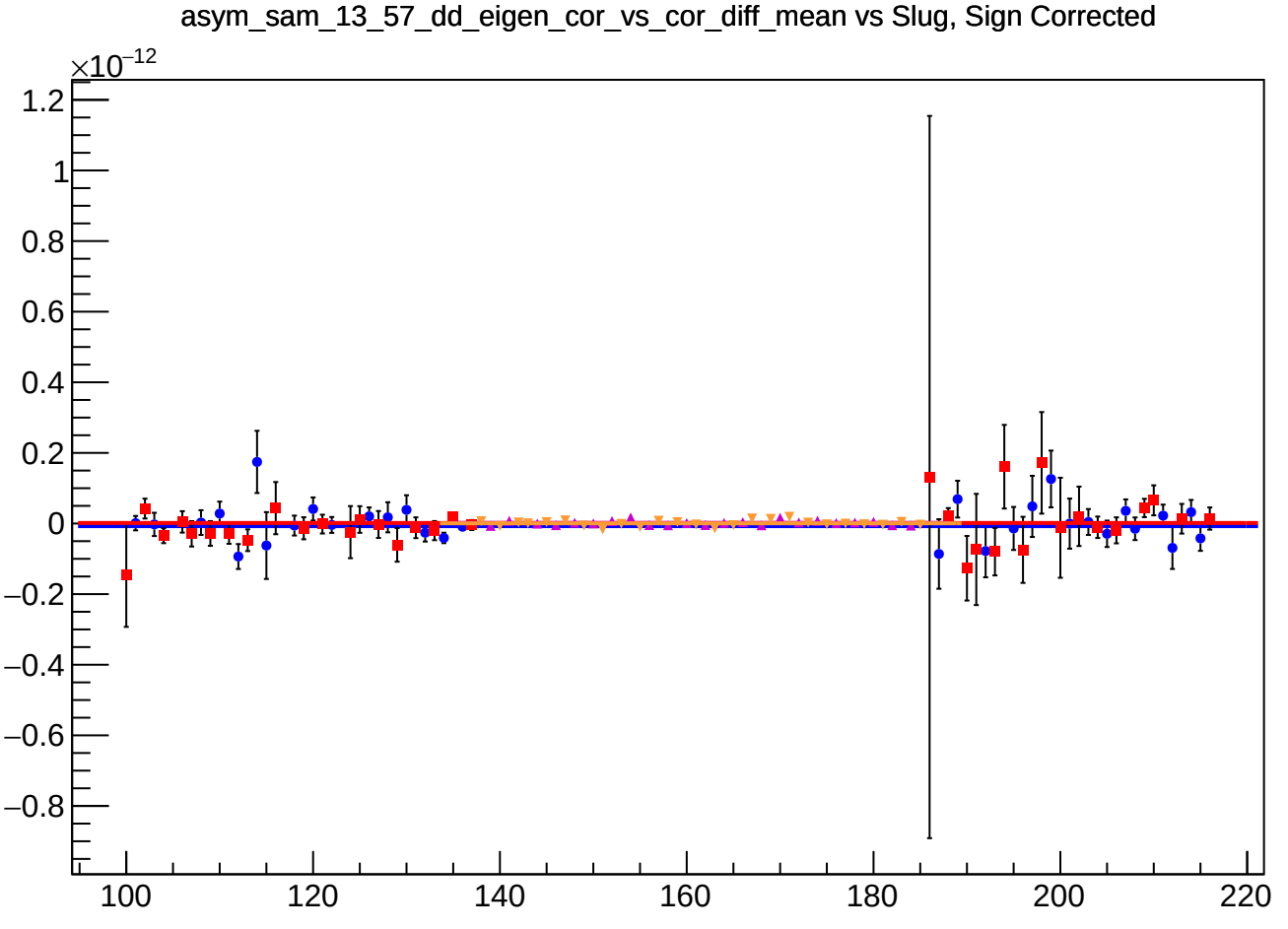
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.459+/-0.003 χ^2/NDF: 8219534.9/65

In: 20.639+/-0.003 χ^2/NDF:4502874.4/53

Out: 21.332+/-0.003 χ^2/NDF:6423015.9/59

All: 20.977+/-0.002 χ^2/NDF: 10962531.2/113



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: 31.3/34

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

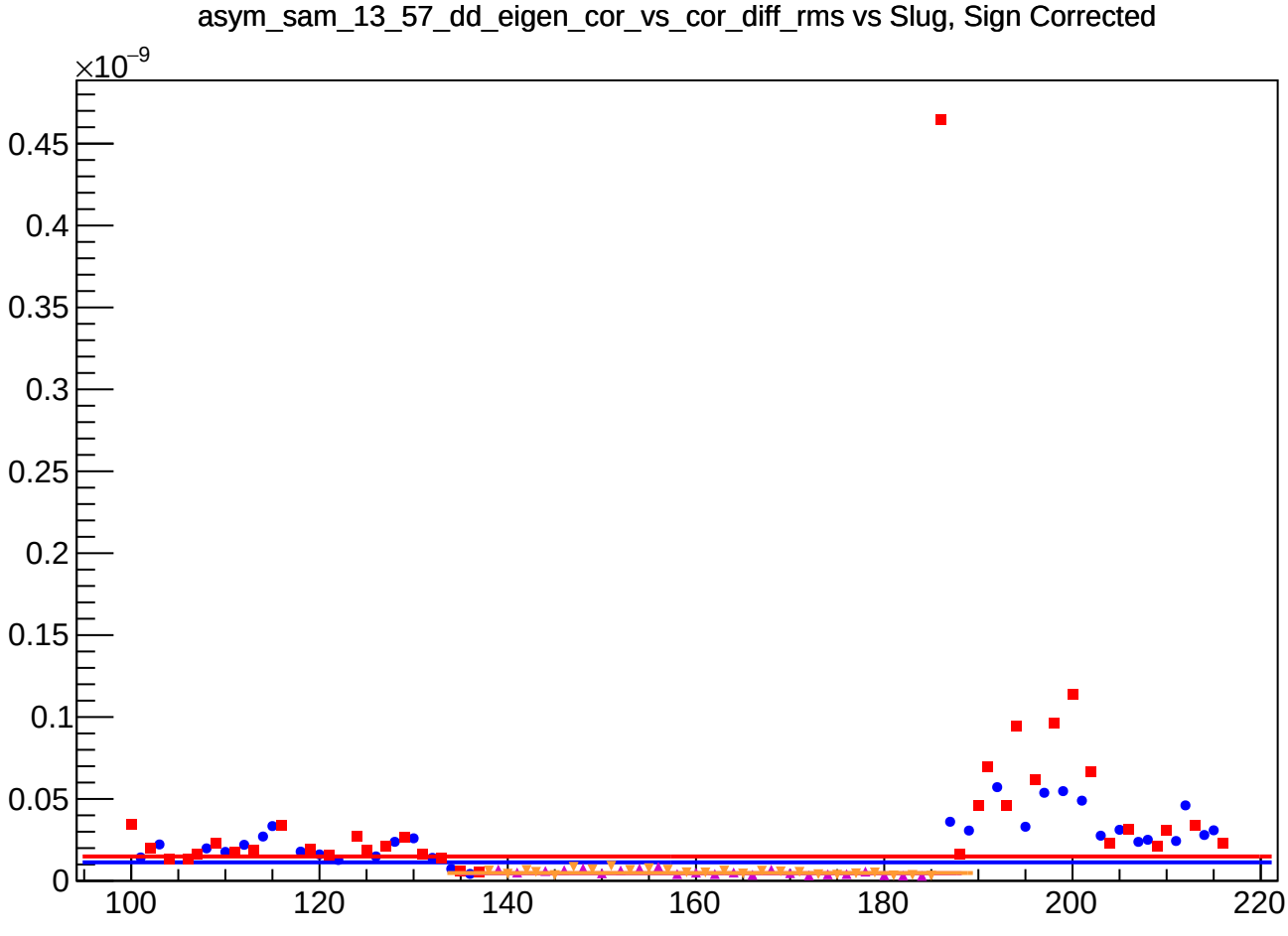
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

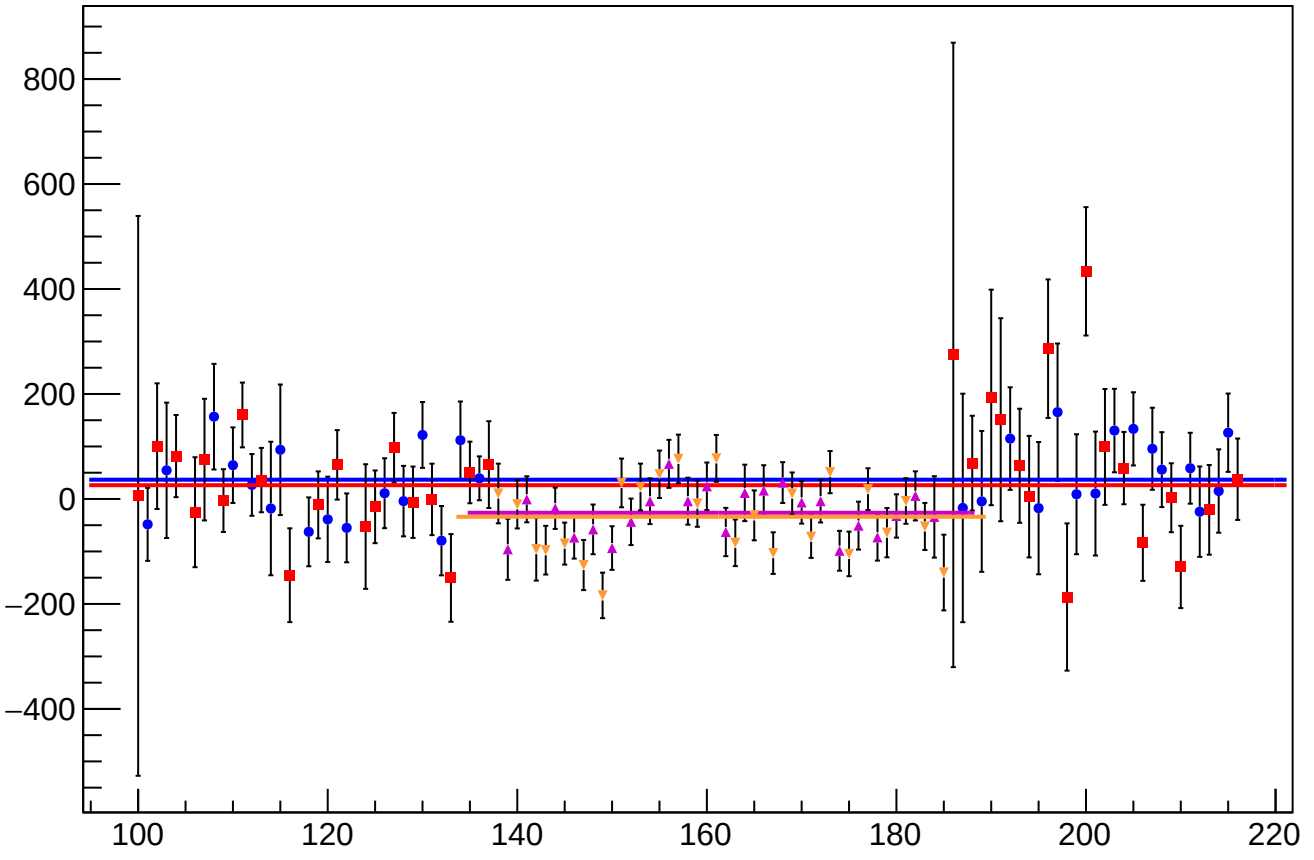
Right: -0.000+/-0.000 χ^2/NDF: 69.3/65

In: 0.000+/-0.000 χ^2/NDF:61.0/53

Out: 0.000+/-0.000 χ^2/NDF:60.4/59

All: 0.000+/-0.000 χ^2/NDF: 121.4/113


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11394396.4/30
Left Out: 0.000+/-0.000 χ²/NDF:2118264.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 9839074.5/34
Left In: 0.000+/-0.000 χ²/NDF:1908439.7/22
Left: 0.000+/-0.000 χ²/NDF: 4046117.6/47
Right: 0.000+/-0.000 χ²/NDF: 21834498.3/65
In: 0.000+/-0.000 χ²/NDF:17957292.9/53
Out: 0.000+/-0.000 χ²/NDF:19434380.0/59
All: 0.000+/-0.000 χ²/NDF: 37418838.3/113



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: 26.211+/-14.116 χ^2/NDF: 44.1/34

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

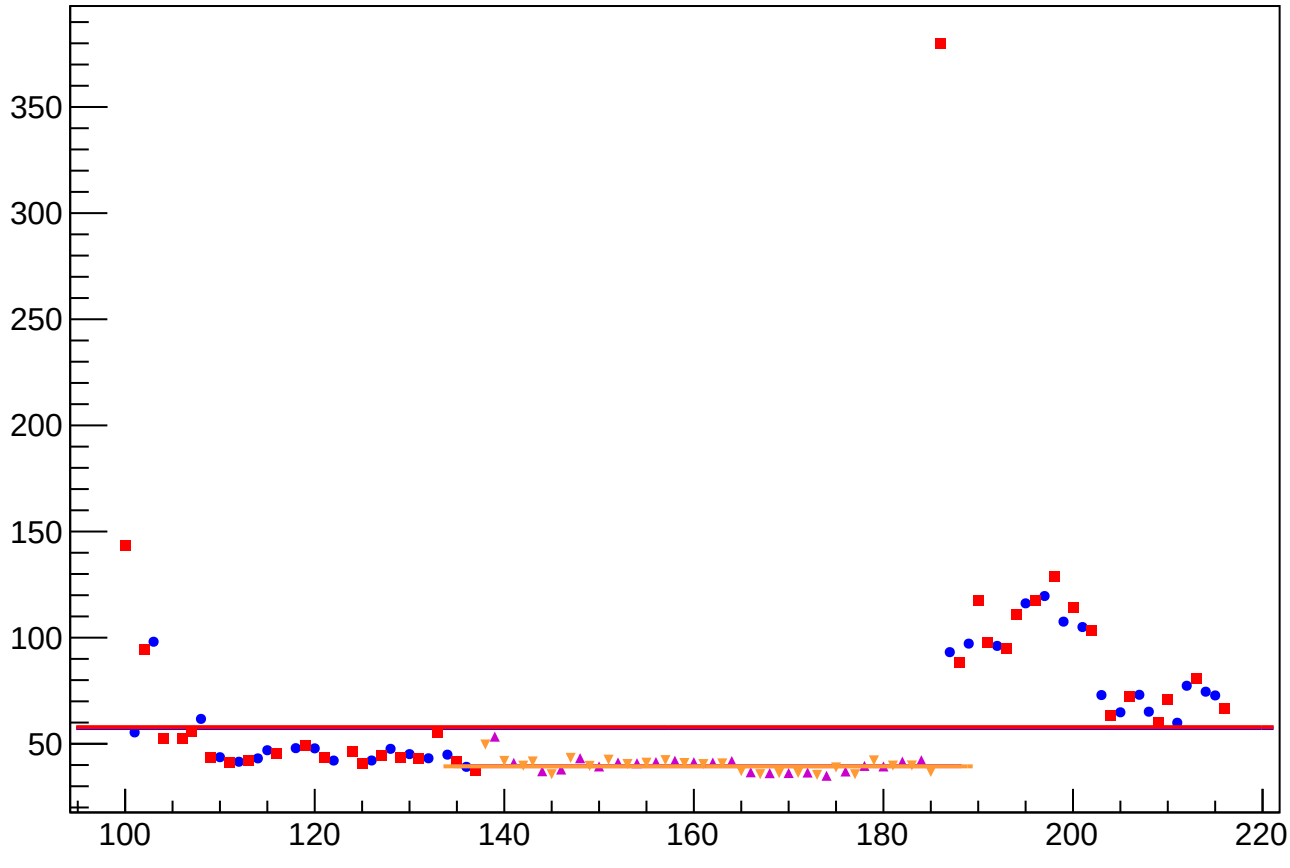
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 31.519+/-9.920 χ^2/NDF: 67.7/65

In: -6.962+/-7.720 χ^2/NDF:59.9/53

Out: -16.585+/-7.585 χ^2/NDF:115.8/59

All: -11.859+/-5.411 χ^2/NDF: 176.4/113



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: 57.837+/-0.010 χ^2/NDF: 5221395.4/34

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

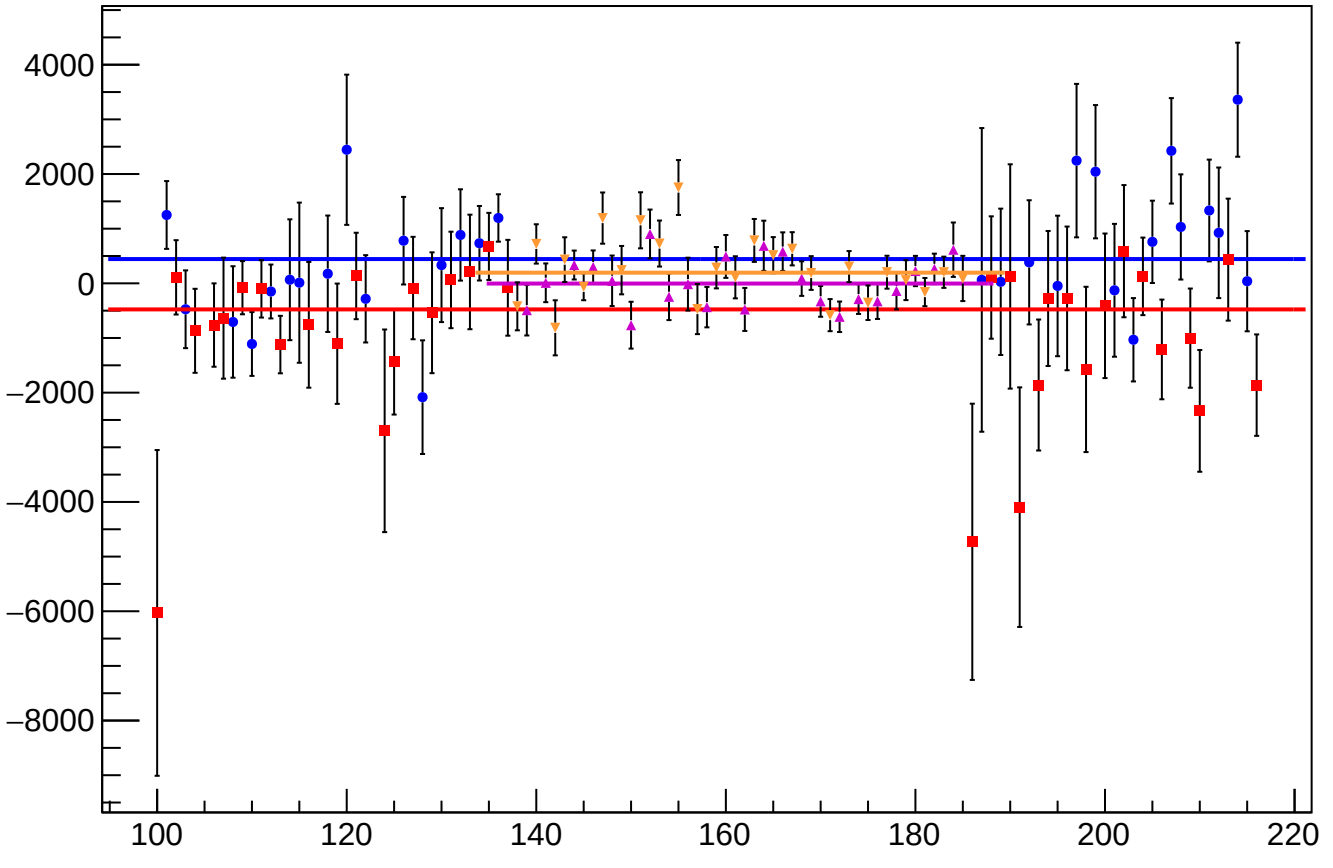
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.632+/-0.007 χ^2/NDF: 9250325.2/65

In: 44.992+/-0.005 χ^2/NDF:6576123.4/53

Out: 44.711+/-0.005 χ^2/NDF:7881543.1/59

All: 44.849+/-0.004 χ^2/NDF: 14459015.9/113



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: -477.037+/-152.808 χ^2/NDF: 31.4/34

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

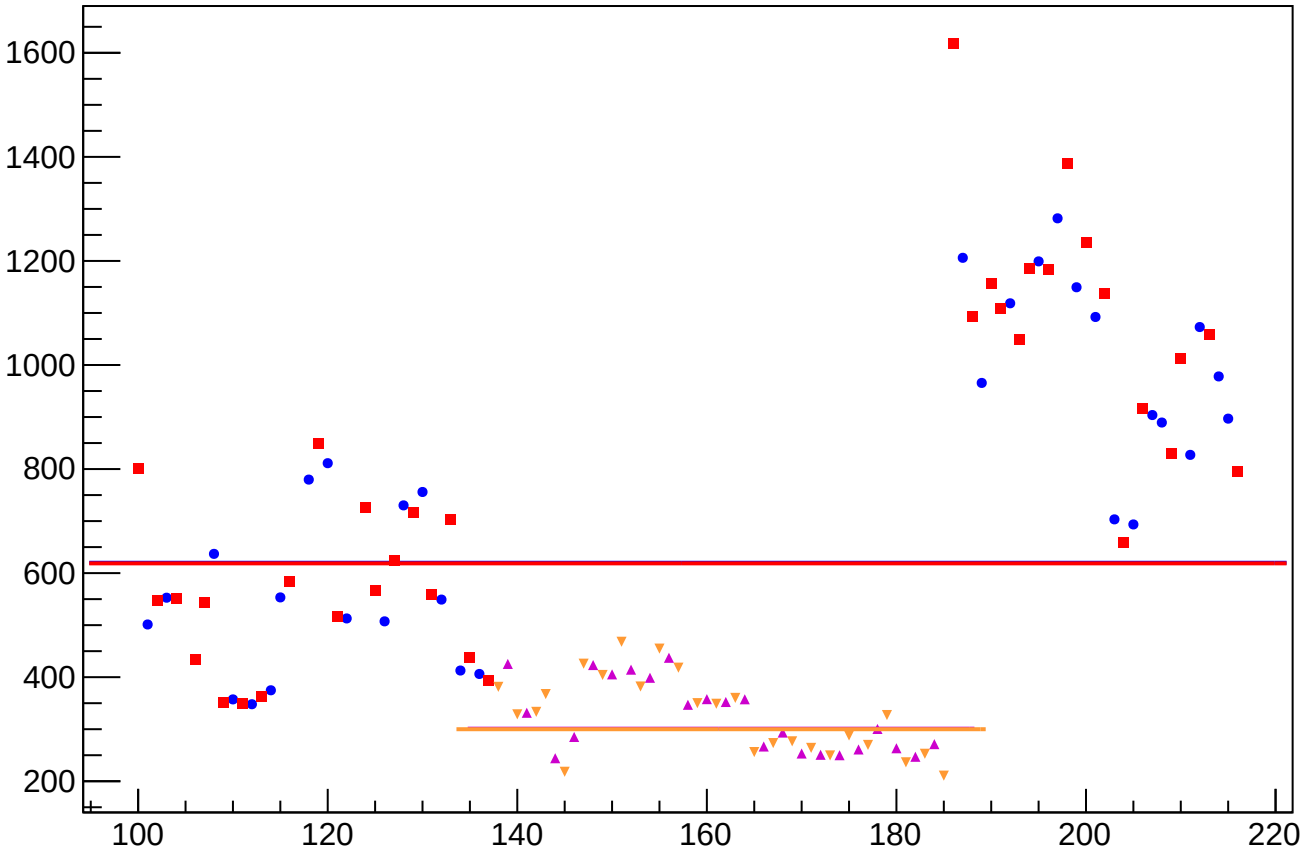
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -17.247+/-108.146 χ^2/NDF: 96.9/65

In: 77.139+/-65.139 χ^2/NDF:86.8/53

Out: 78.204+/-63.710 χ^2/NDF:96.0/59

All: 77.683+/-45.547 χ^2/NDF: 182.8/113



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: 618.751+/-0.108 χ^2/NDF: 6490395.1/34

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

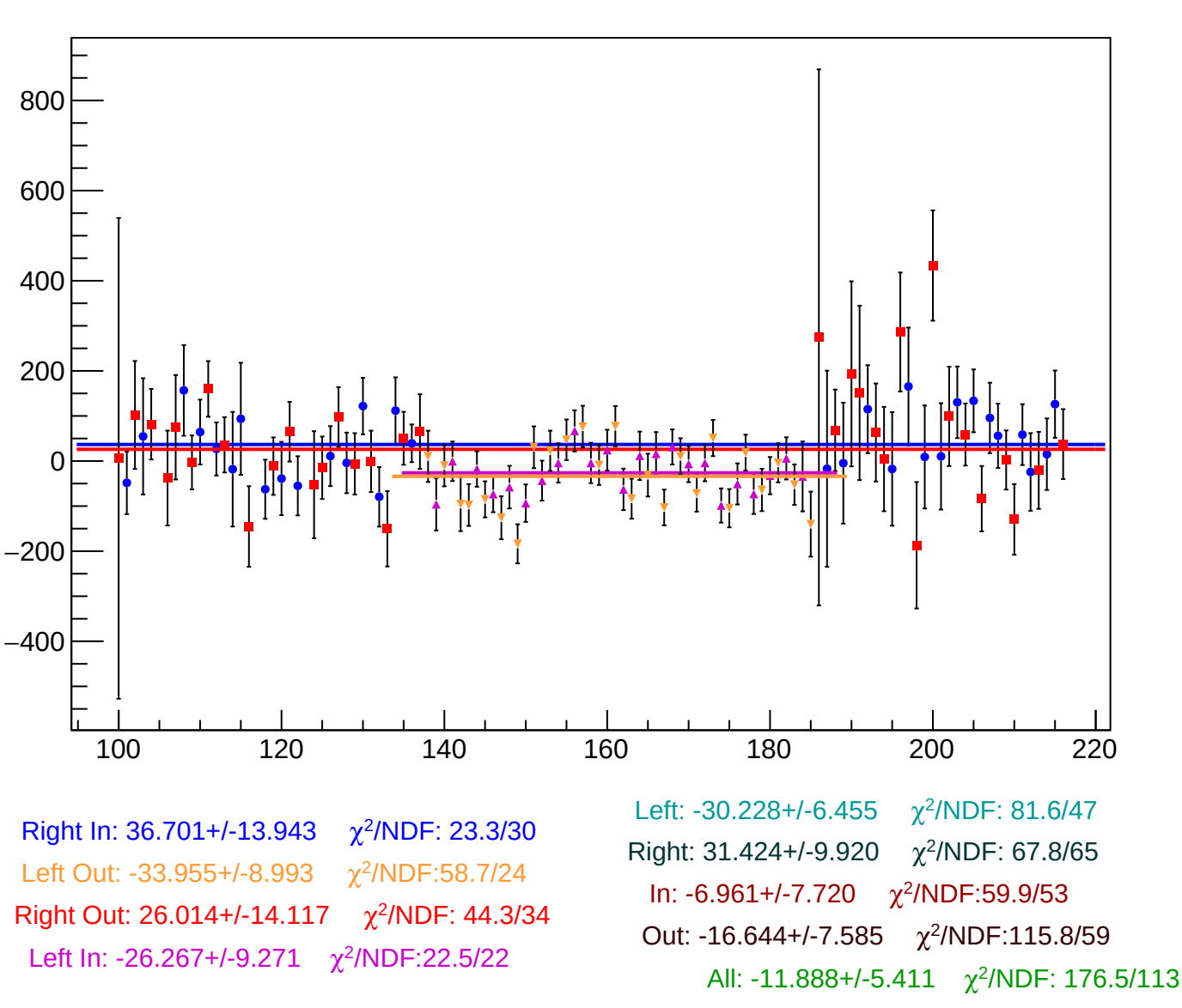
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 619.321+/-0.076 χ^2/NDF: 11913604.1/65

In: 358.744+/-0.046 χ^2/NDF:13938447.6/53

Out: 355.389+/-0.045 χ^2/NDF:15489626.7/59

All: 357.029+/-0.032 χ^2/NDF: 29430786.4/11


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
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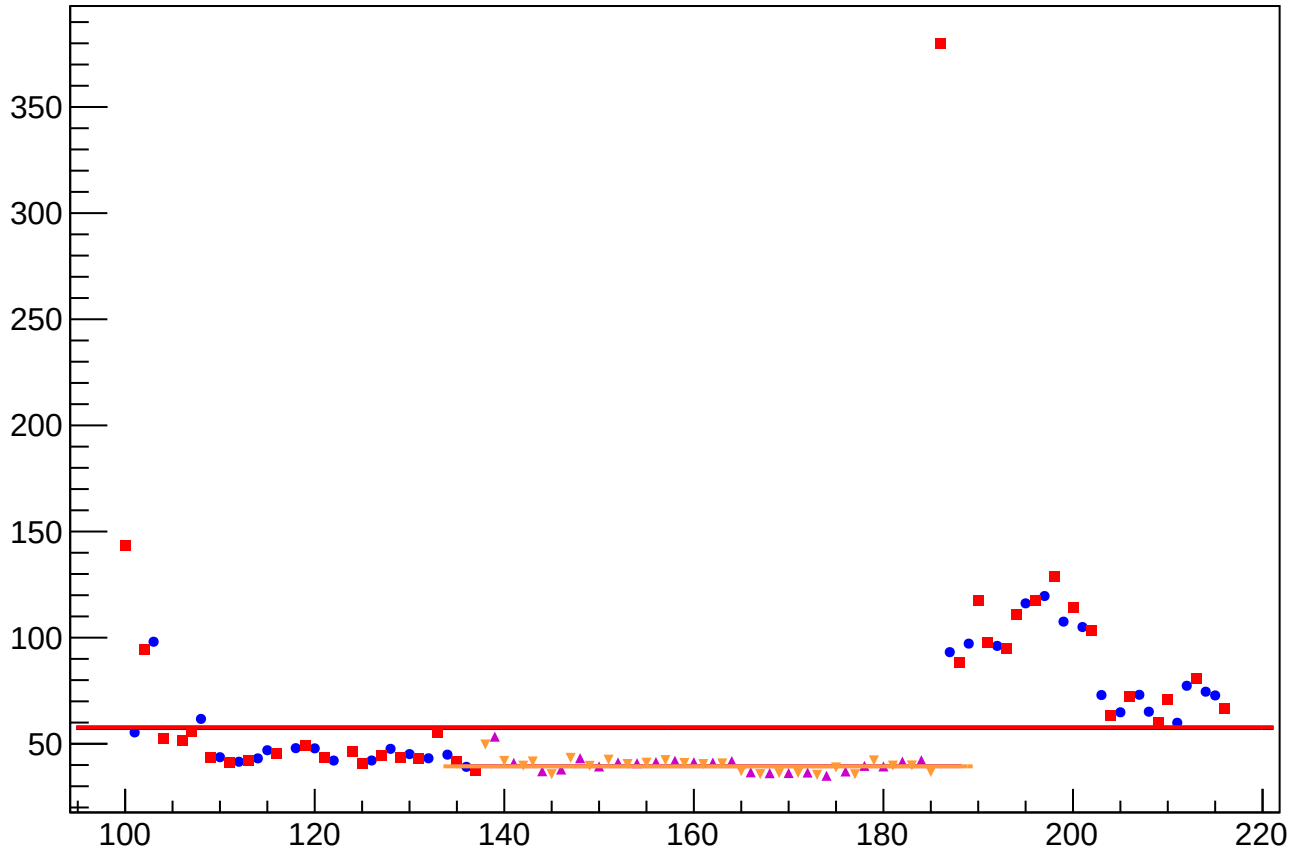
200
0
−200
−400
100
120
140
160
180
200
220
Right In: 36.701+/-13.943 χ²/NDF: 23.3/30
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 26.014+/-14.117 χ²/NDF: 44.3/34
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 31.424+/-9.920 χ²/NDF: 67.8/65
In: -6.961+/-7.720 χ²/NDF:59.9/53
Out: -16.644+/-7.585 χ²/NDF:115.8/59
All: -11.888+/-5.411 χ²/NDF: 176.5/113



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: 57.823+/-0.010 χ^2/NDF: 5223268.6/34

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

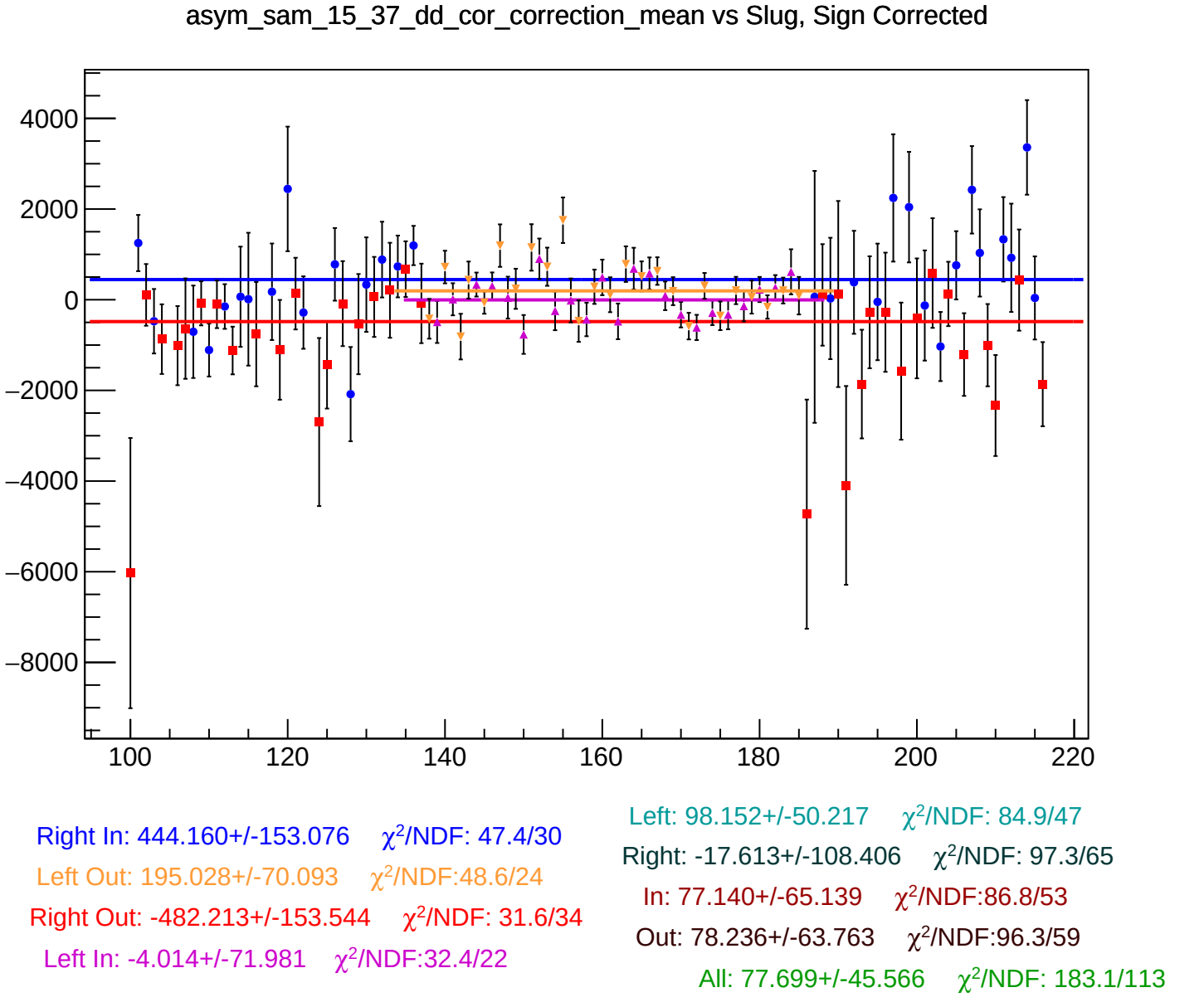
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

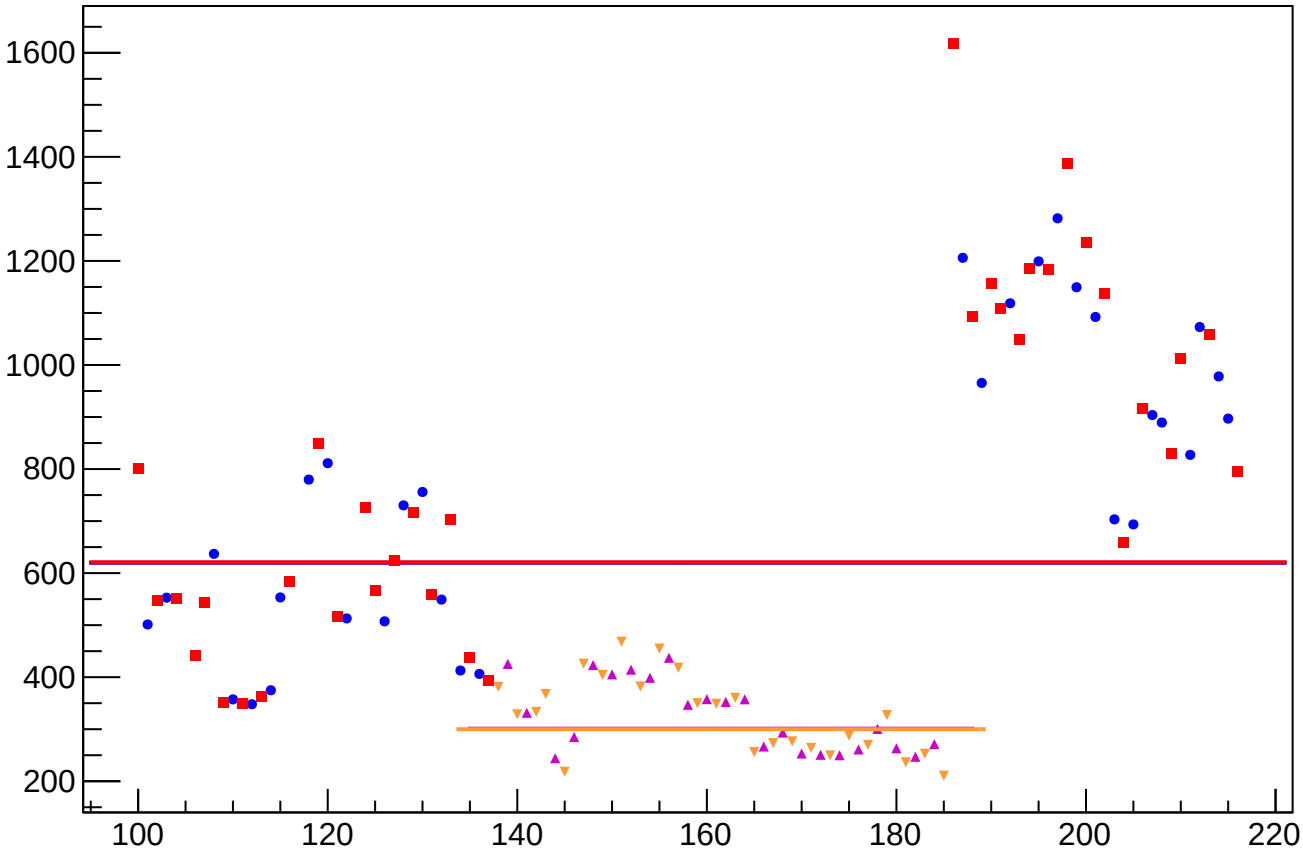
Right: 57.625+/-0.007 χ^2/NDF: 9252145.8/65

In: 44.992+/-0.005 χ^2/NDF:6576126.4/53

Out: 44.706+/-0.005 χ^2/NDF:7879496.1/59

All: 44.846+/-0.004 χ^2/NDF: 14457016.7/113


asym_sam_15_37_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 444.160+/-153.076 χ²/NDF: 47.4/30
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: -482.213+/-153.544 χ²/NDF: 31.6/34
Left In: -4.014+/-71.981 χ²/NDF:32.4/22
Left: 98.152+/-50.217 χ²/NDF: 84.9/47
Right: -17.613+/-108.406 χ²/NDF: 97.3/65
In: 77.140+/-65.139 χ²/NDF:86.8/53
Out: 78.236+/-63.763 χ²/NDF:96.3/59
All: 77.699+/-45.566 χ²/NDF: 183.1/113



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: 620.772+/-0.109 χ^2/NDF: 6455124.8/34

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

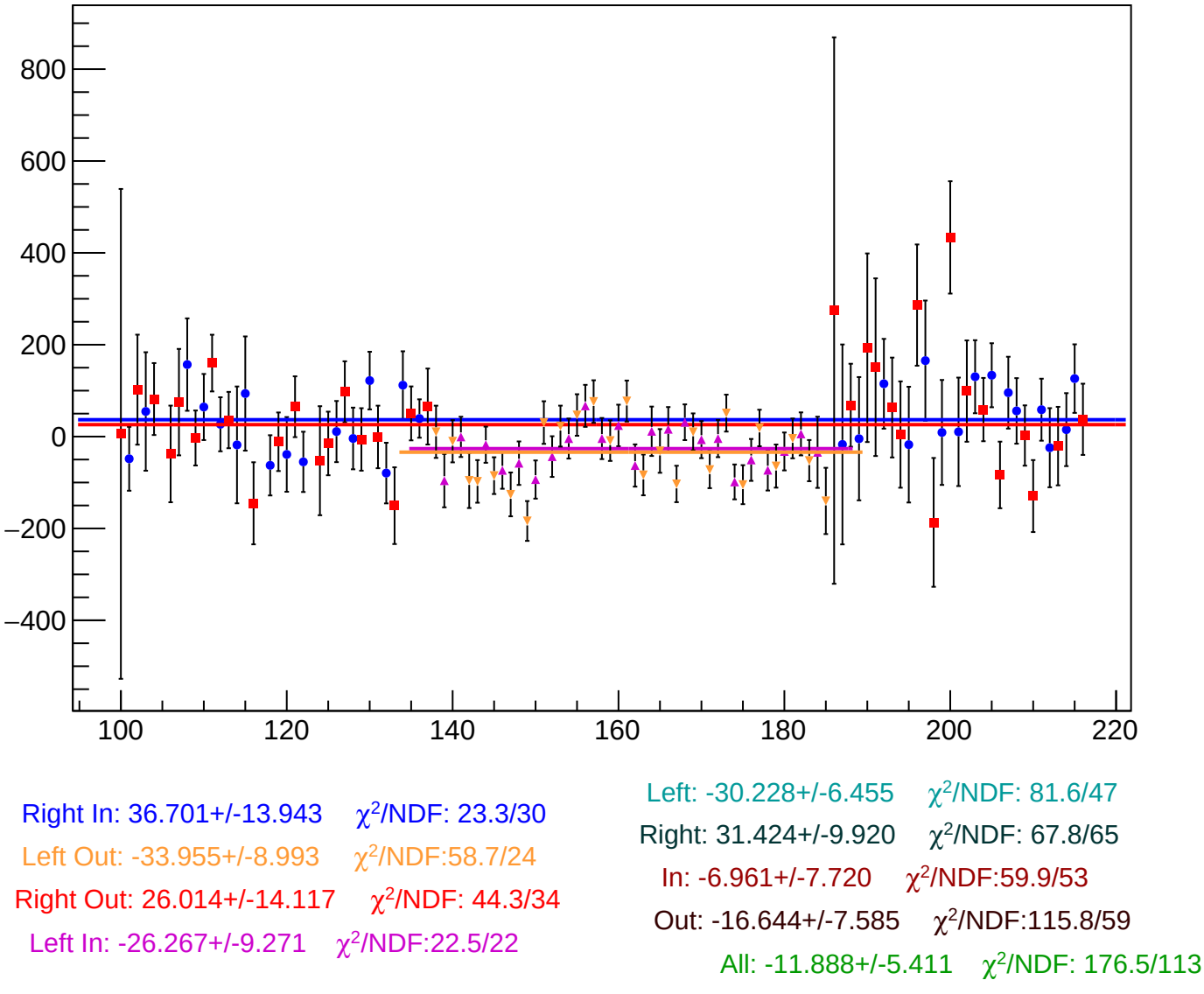
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 620.333+/-0.077 χ^2/NDF: 11878289.3/65

In: 358.744+/-0.046 χ^2/NDF:13938508.8/53

Out: 355.299+/-0.045 χ^2/NDF:15488154.9/59

All: 356.985+/-0.032 χ^2/NDF: 29429521.2/11


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
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−200
−400
100
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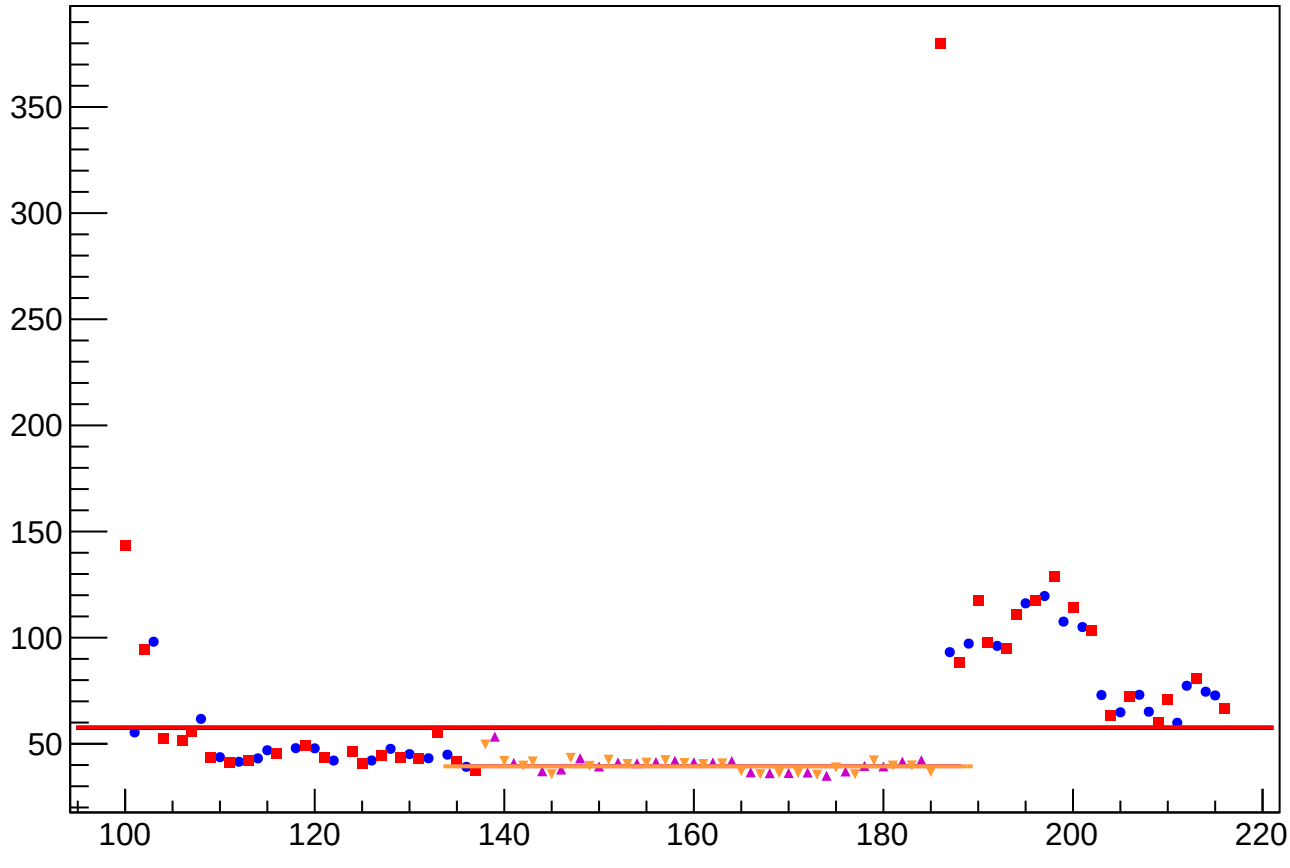
140
160
180
200
220
Right In: 36.701+/-13.943 χ²/NDF: 23.3/30
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 26.014+/-14.117 χ²/NDF: 44.3/34
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 31.424+/-9.920 χ²/NDF: 67.8/65
In: -6.961+/-7.720 χ²/NDF:59.9/53
Out: -16.644+/-7.585 χ²/NDF:115.8/59
All: -11.888+/-5.411 χ²/NDF: 176.5/113



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: 57.823+/-0.010 χ^2/NDF: 5223268.6/34

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

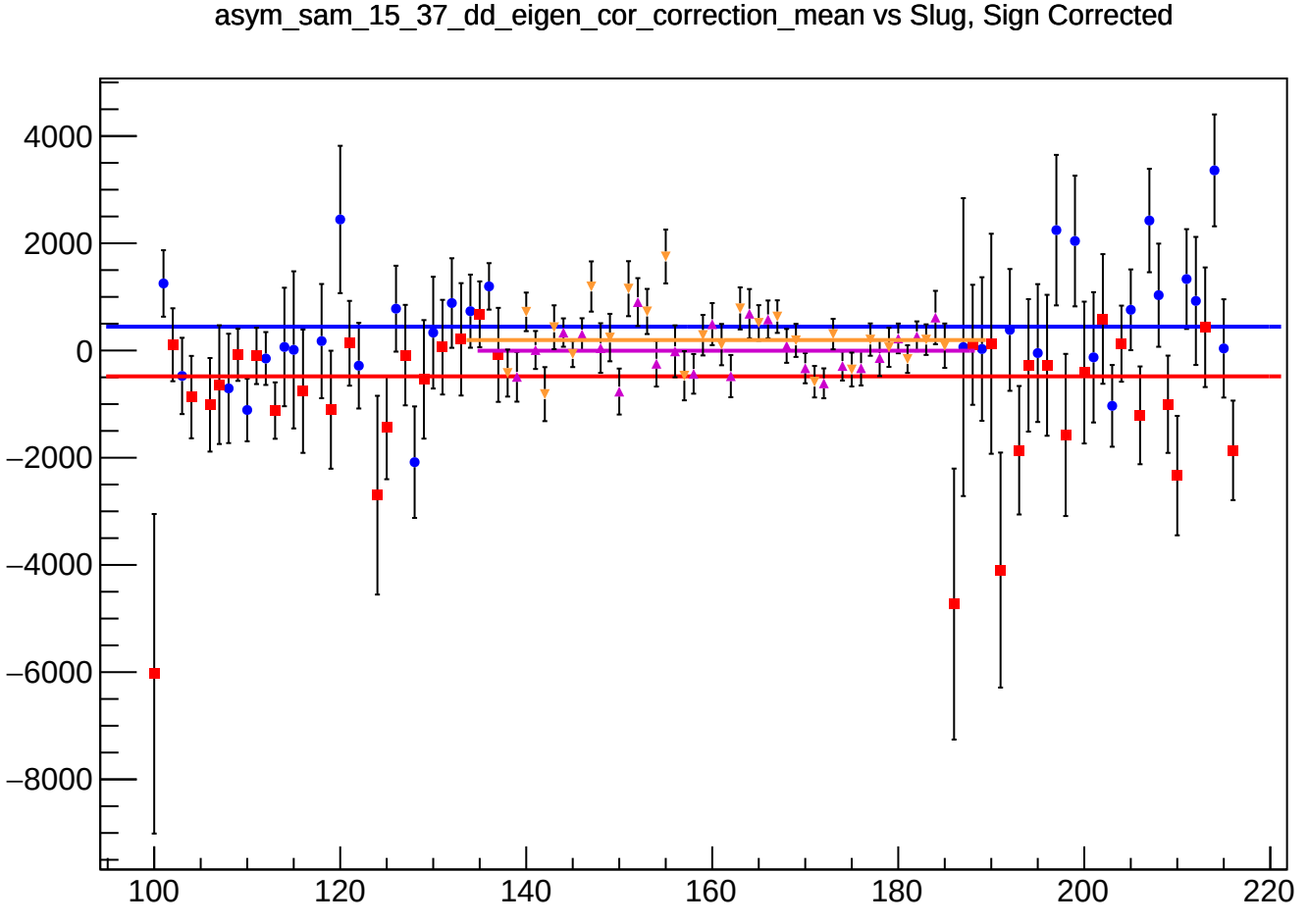
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 57.625+/-0.007 χ^2/NDF: 9252145.8/65

In: 44.992+/-0.005 χ^2/NDF:6576126.4/53

Out: 44.706+/-0.005 χ^2/NDF:7879496.1/59

All: 44.846+/-0.004 χ^2/NDF: 14457016.7/113



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: -482.213+/-153.544 χ^2/NDF: 31.6/34

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

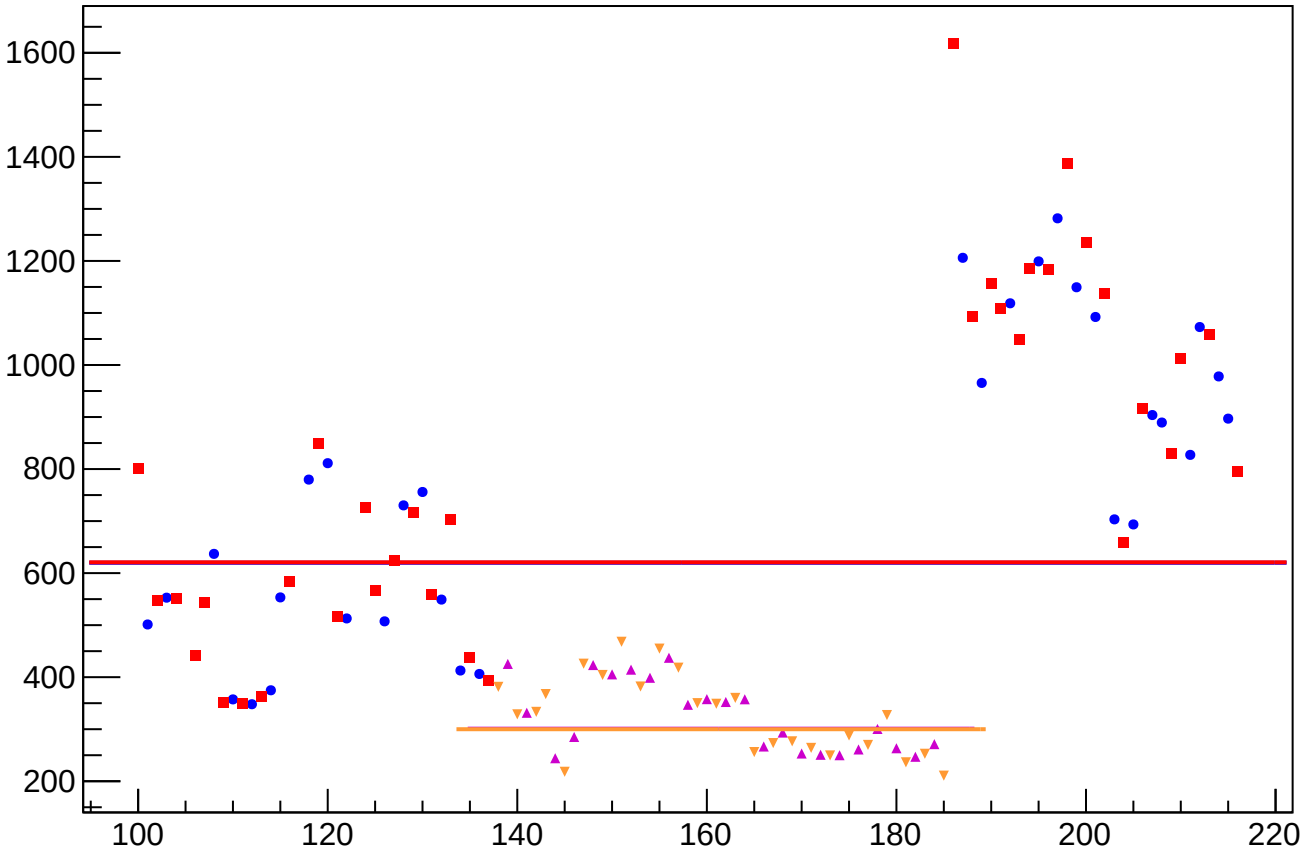
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -17.613+/-108.406 χ^2/NDF: 97.3/65

In: 77.140+/-65.139 χ^2/NDF:86.8/53

Out: 78.236+/-63.763 χ^2/NDF:96.3/59

All: 77.699+/-45.566 χ^2/NDF: 183.1/113



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: 620.772+/-0.109 χ^2/NDF: 6455124.8/34

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

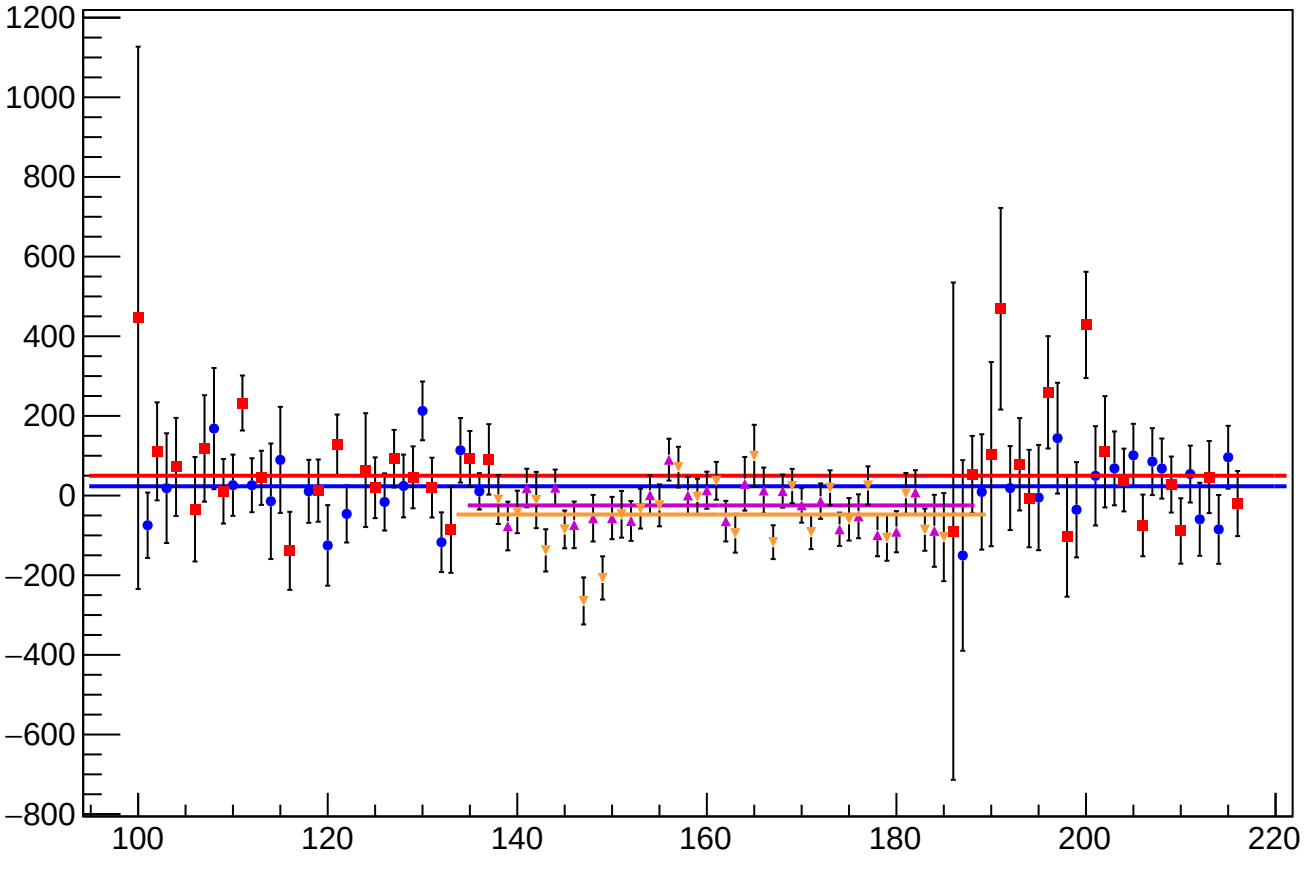
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 620.333+/-0.077 χ^2/NDF: 11878289.3/65

In: 358.744+/-0.046 χ^2/NDF:13938508.8/53

Out: 355.299+/-0.045 χ^2/NDF:15488154.9/59

All: 356.985+/-0.032 χ^2/NDF: 29429521.2/11



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: 49.838+/-16.057 χ^2/NDF: 37.2/34

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

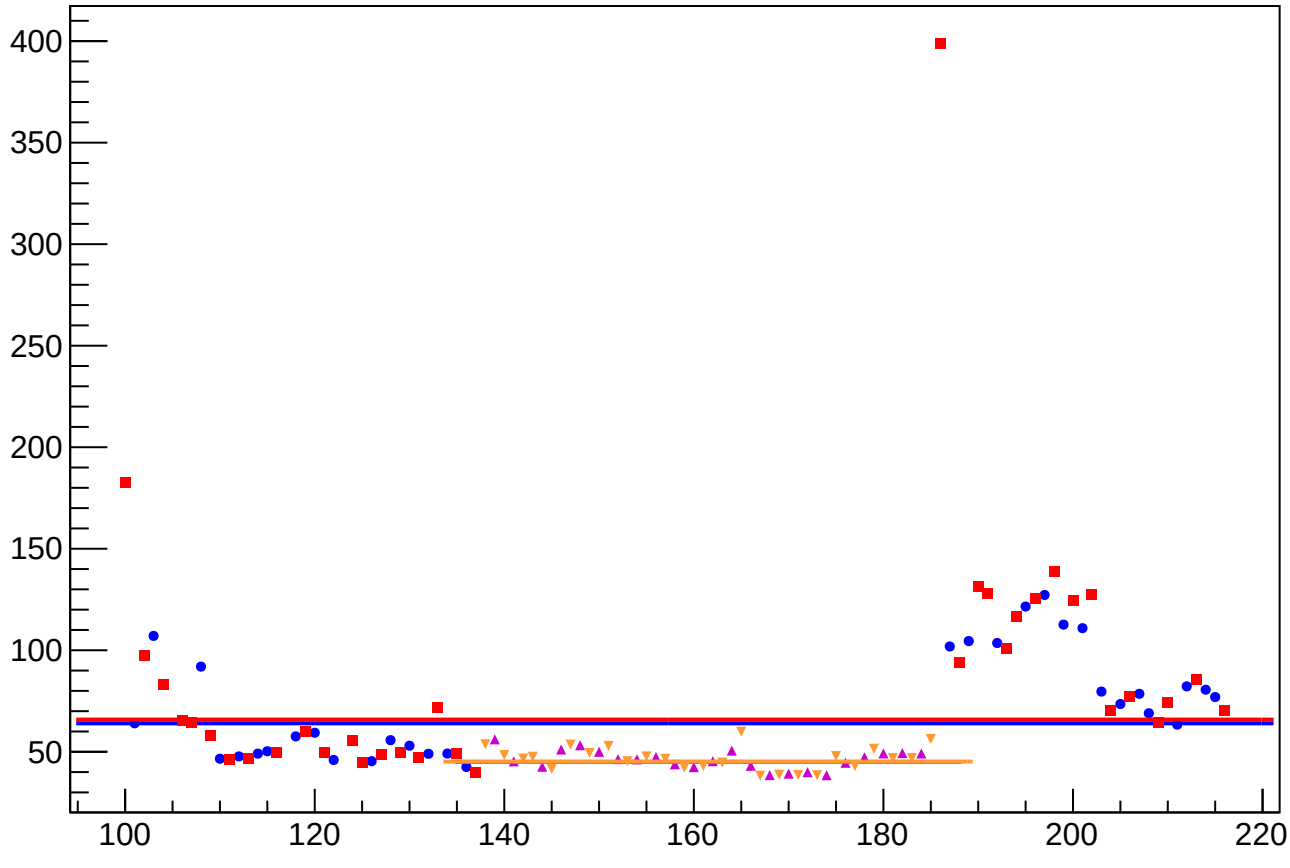
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.164+/-11.168 χ^2/NDF: 63.3/65

In: -9.318+/-8.791 χ^2/NDF:50.8/53

Out: -18.750+/-8.724 χ^2/NDF:117.8/59

All: -14.070+/-6.192 χ^2/NDF: 169.2/113



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: 65.862+/-0.011 χ^2/NDF: 4833690.4/34

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

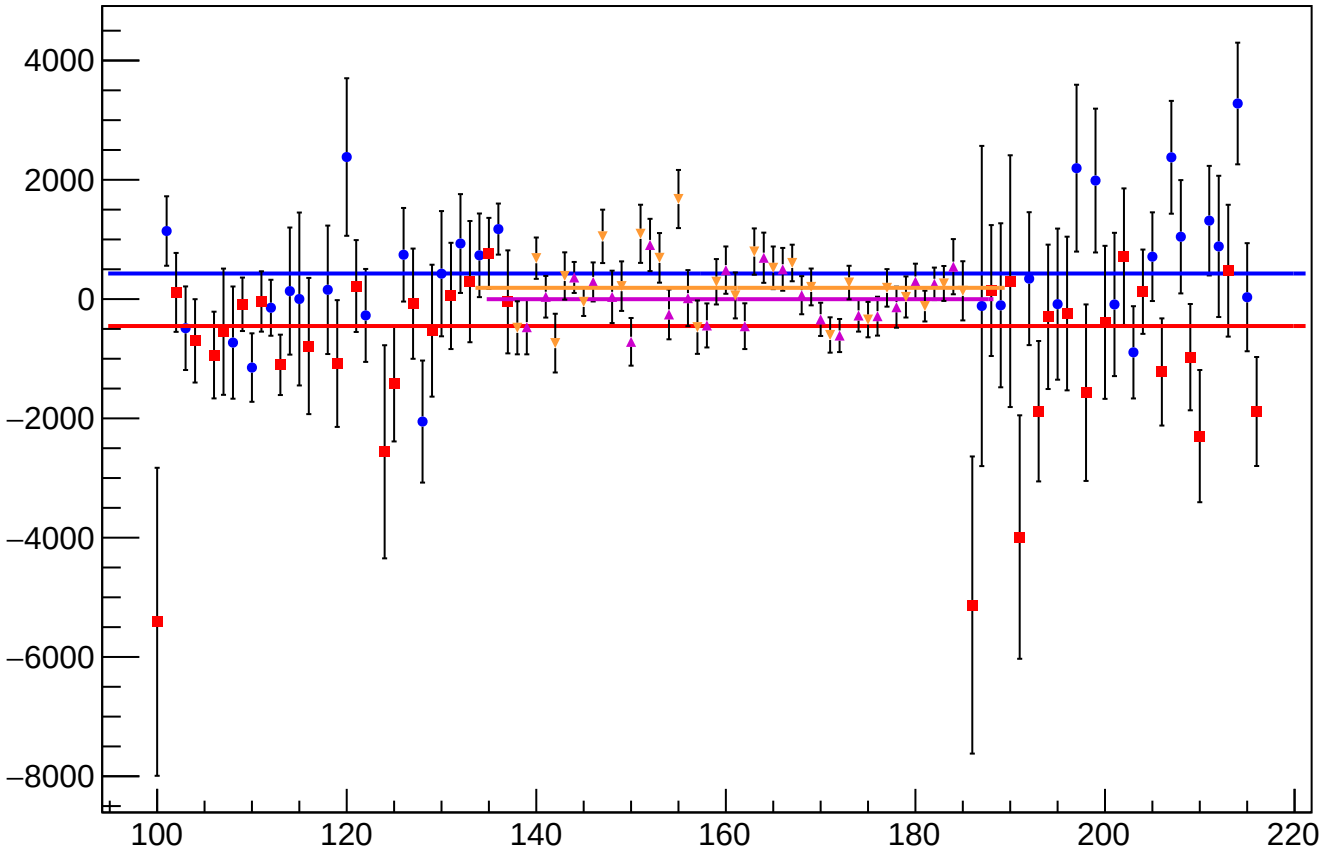
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 64.906+/-0.008 χ^2/NDF: 8562556.1/65

In: 51.094+/-0.006 χ^2/NDF:6119194.1/53

Out: 51.282+/-0.006 χ^2/NDF:7663193.8/59

All: 51.189+/-0.004 χ^2/NDF: 13782850.1/113



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: -451.571+/-147.778 χ^2/NDF: 34.8/34

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

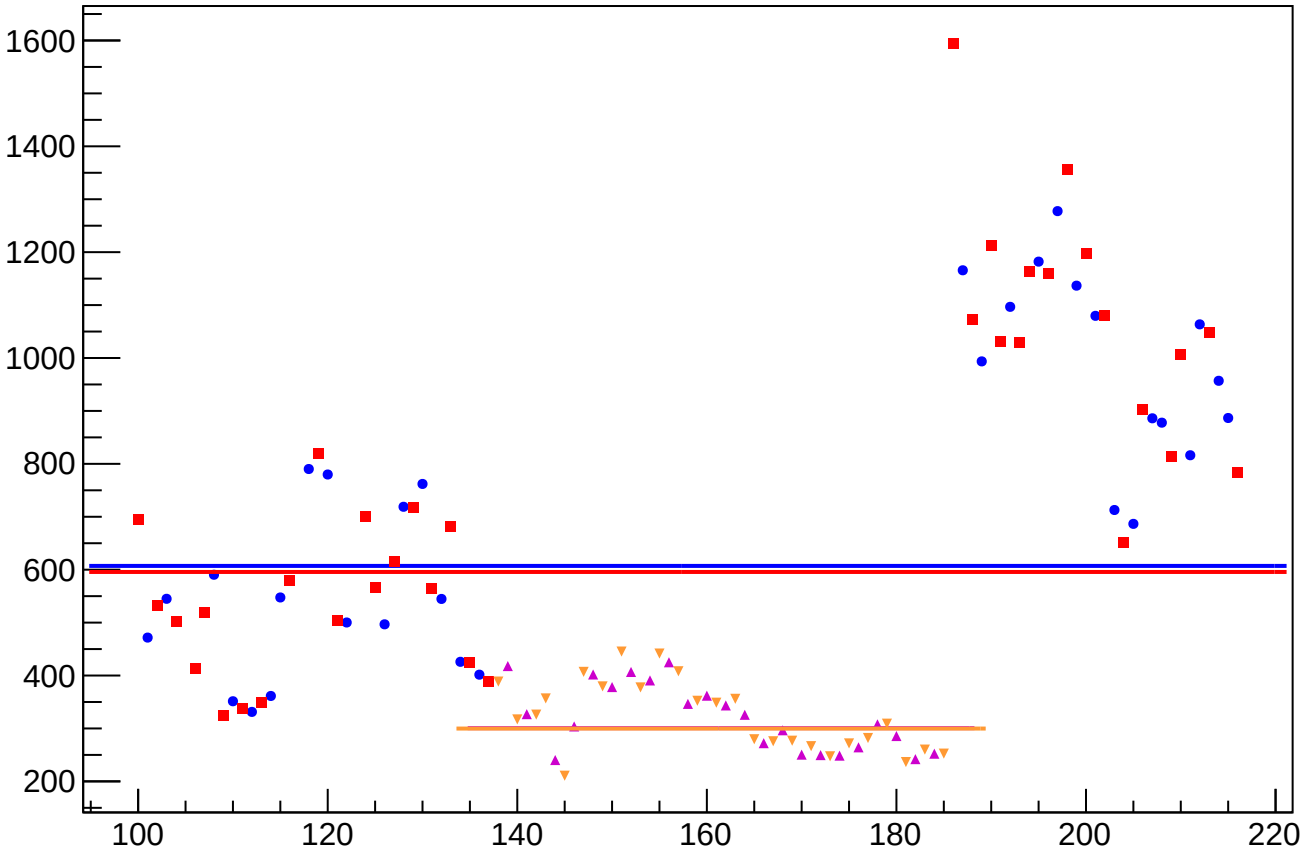
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: -18.367+/-105.332 χ^2/NDF: 99.5/65

In: 78.313+/-64.713 χ^2/NDF:86.2/53

Out: 72.241+/-63.050 χ^2/NDF:96.9/59

All: 75.198+/-45.160 χ^2/NDF: 183.1/113



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: 595.712+/-0.104 χ^2/NDF: 6811138.1/34

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

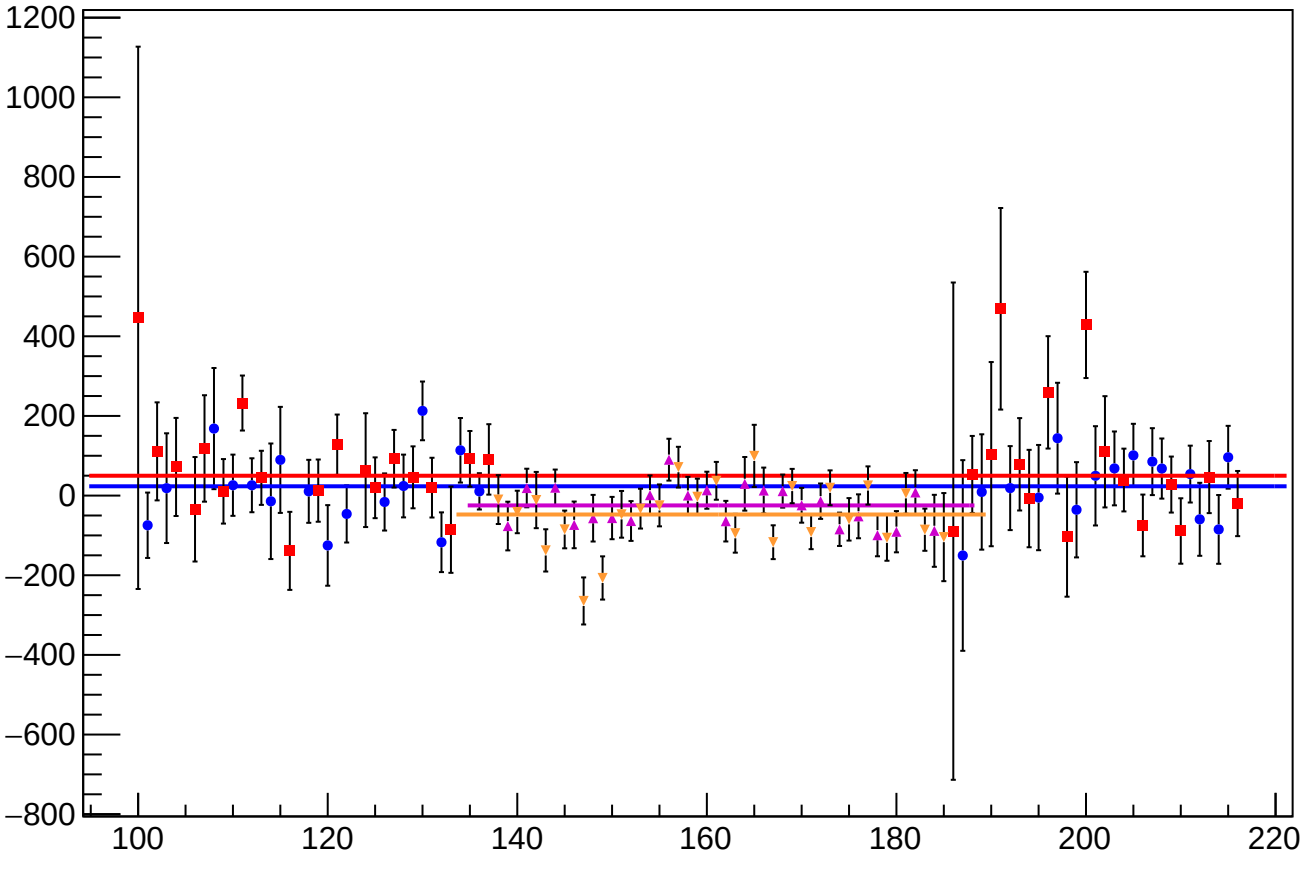
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 601.336+/-0.074 χ^2/NDF: 12402755.7/65

In: 357.476+/-0.046 χ^2/NDF:13633450.0/53

Out: 353.664+/-0.045 χ^2/NDF:14948129.3/59

All: 355.521+/-0.032 χ^2/NDF: 28585139.0/11



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: 49.839+/-16.057 χ^2/NDF: 37.2/34

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

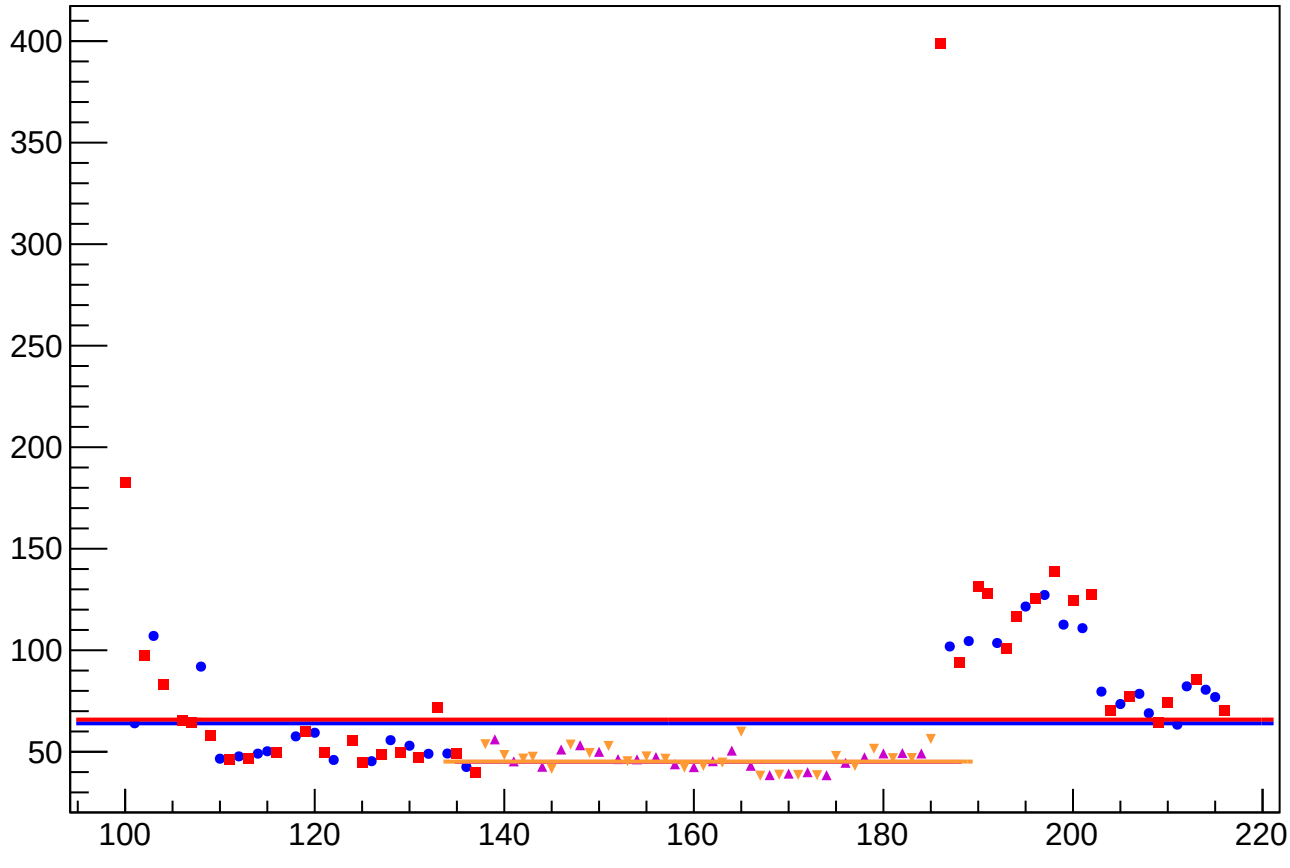
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.164+/-11.168 χ^2/NDF: 63.3/65

In: -9.319+/-8.791 χ^2/NDF:50.8/53

Out: -18.750+/-8.724 χ^2/NDF:117.8/59

All: -14.070+/-6.192 χ^2/NDF: 169.2/113



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: 65.862+/-0.011 χ^2/NDF: 4833694.0/34

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

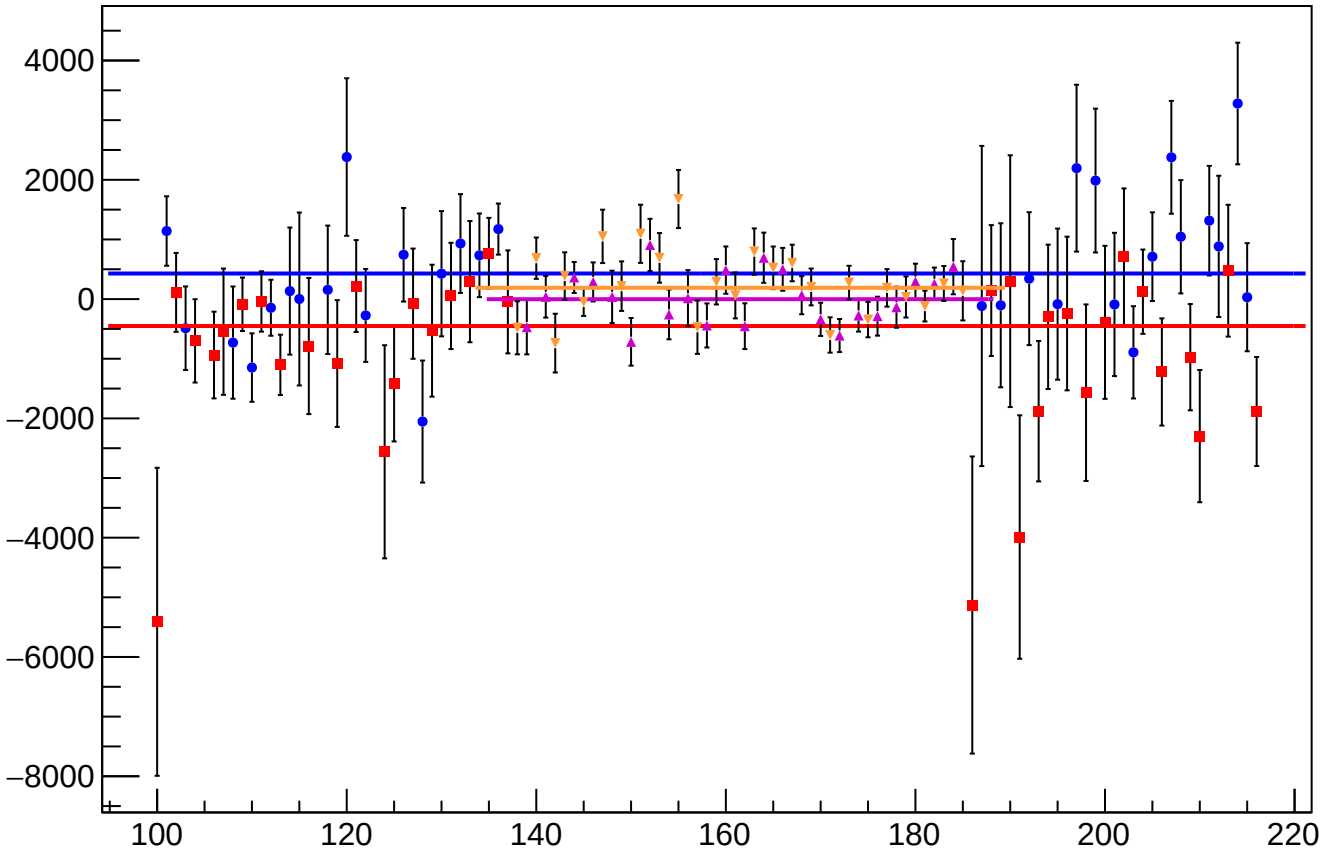
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 64.906+/-0.008 χ^2/NDF: 8562564.8/65

In: 51.094+/-0.006 χ^2/NDF:6119190.8/53

Out: 51.282+/-0.006 χ^2/NDF:7663204.0/59

All: 51.189+/-0.004 χ^2/NDF: 13782857.0/113



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: -451.570+/-147.778 χ^2/NDF: 34.8/34

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

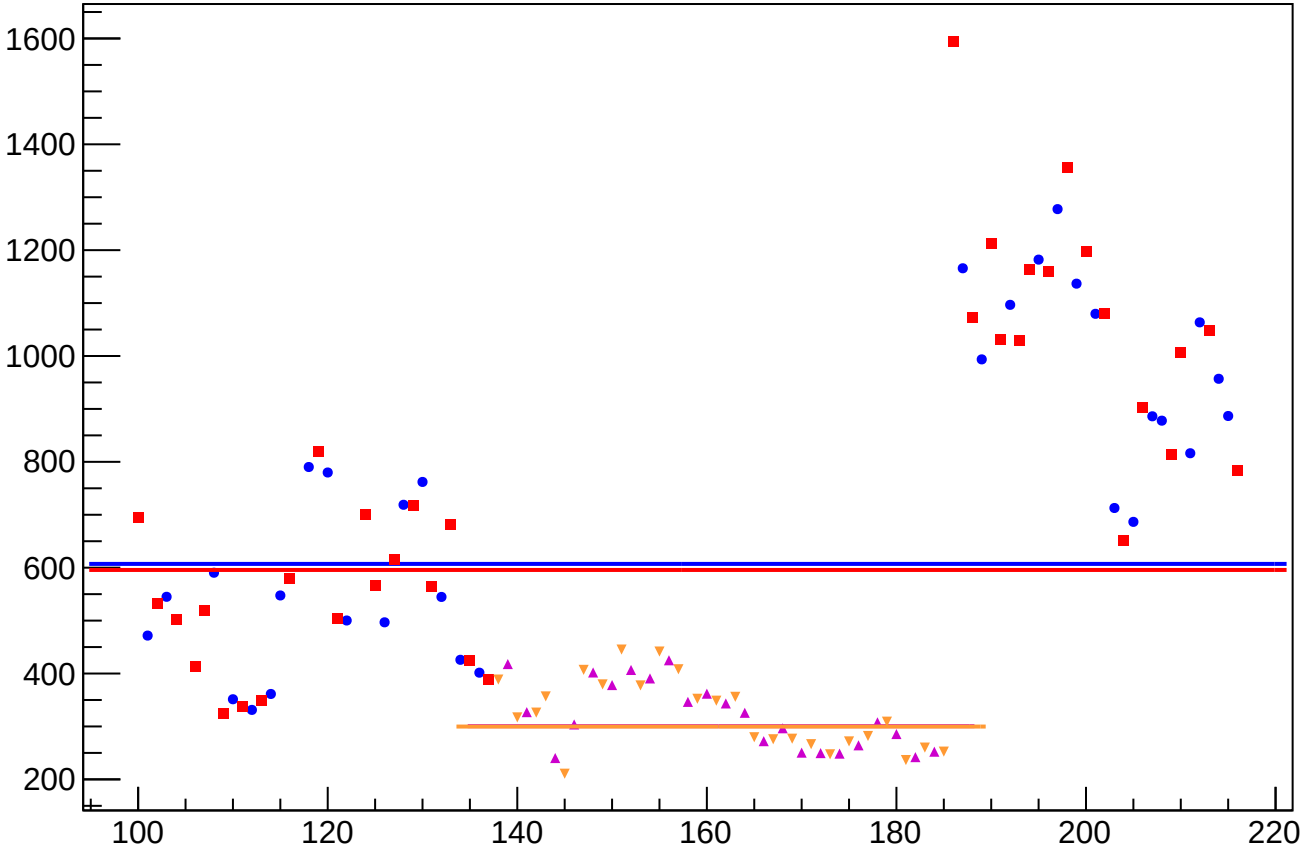
Right: -18.368+/-105.332 χ^2/NDF: 99.5/65

In: 78.313+/-64.713 χ^2/NDF:86.2/53

Out: 72.241+/-63.050 χ^2/NDF:96.9/59

All: 75.198+/-45.160 χ^2/NDF: 183.1/113

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: 595.711+/-0.104 χ^2/NDF: 6811152.3/34

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

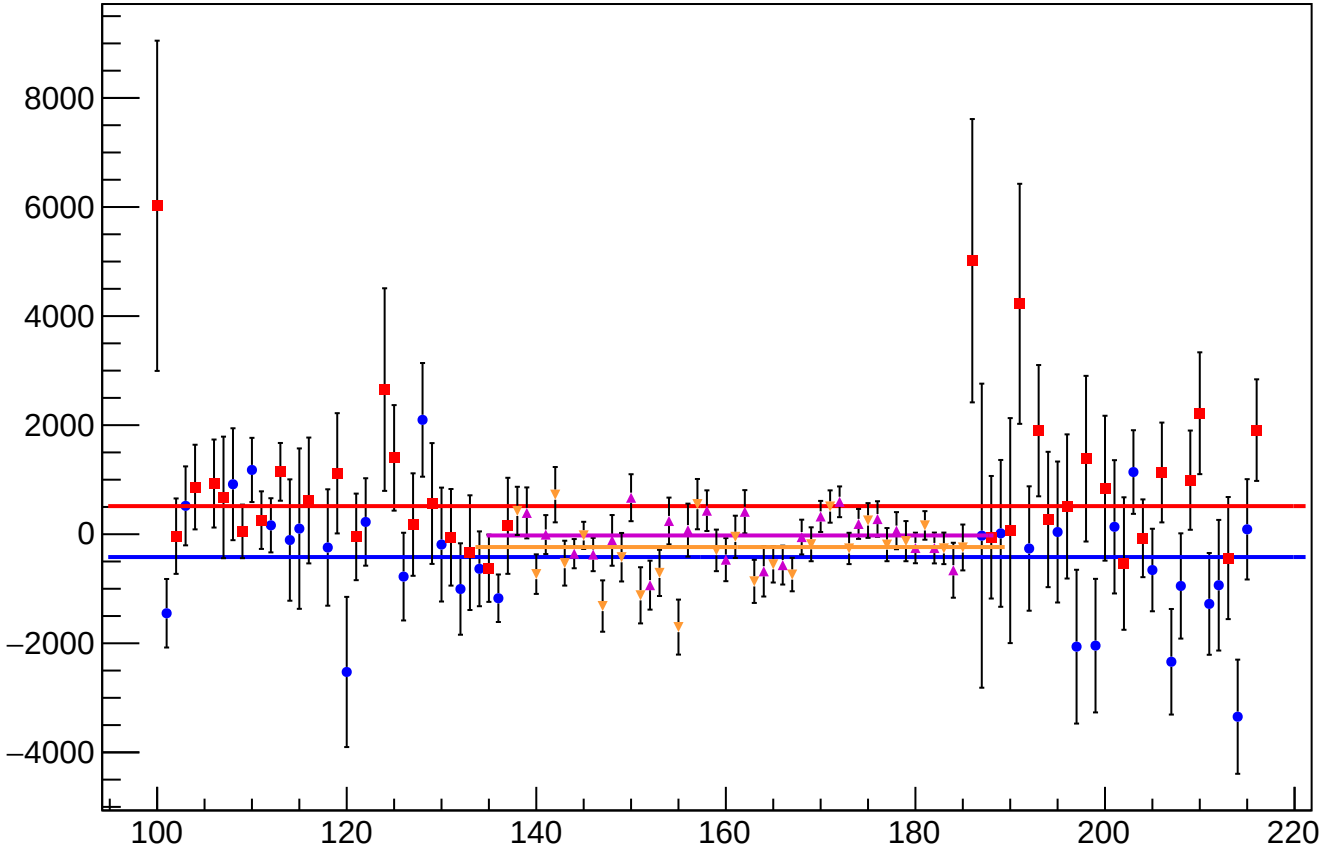
Right: 601.335+/-0.074 χ^2/NDF: 12402789.8/65

In: 357.476+/-0.046 χ^2/NDF:13633419.4/53

Out: 353.665+/-0.045 χ^2/NDF:14948108.8/59

All: 355.521+/-0.032 χ^2/NDF: 28585088.3/11

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: 515.455+/-154.007 χ^2/NDF: 30.1/34

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

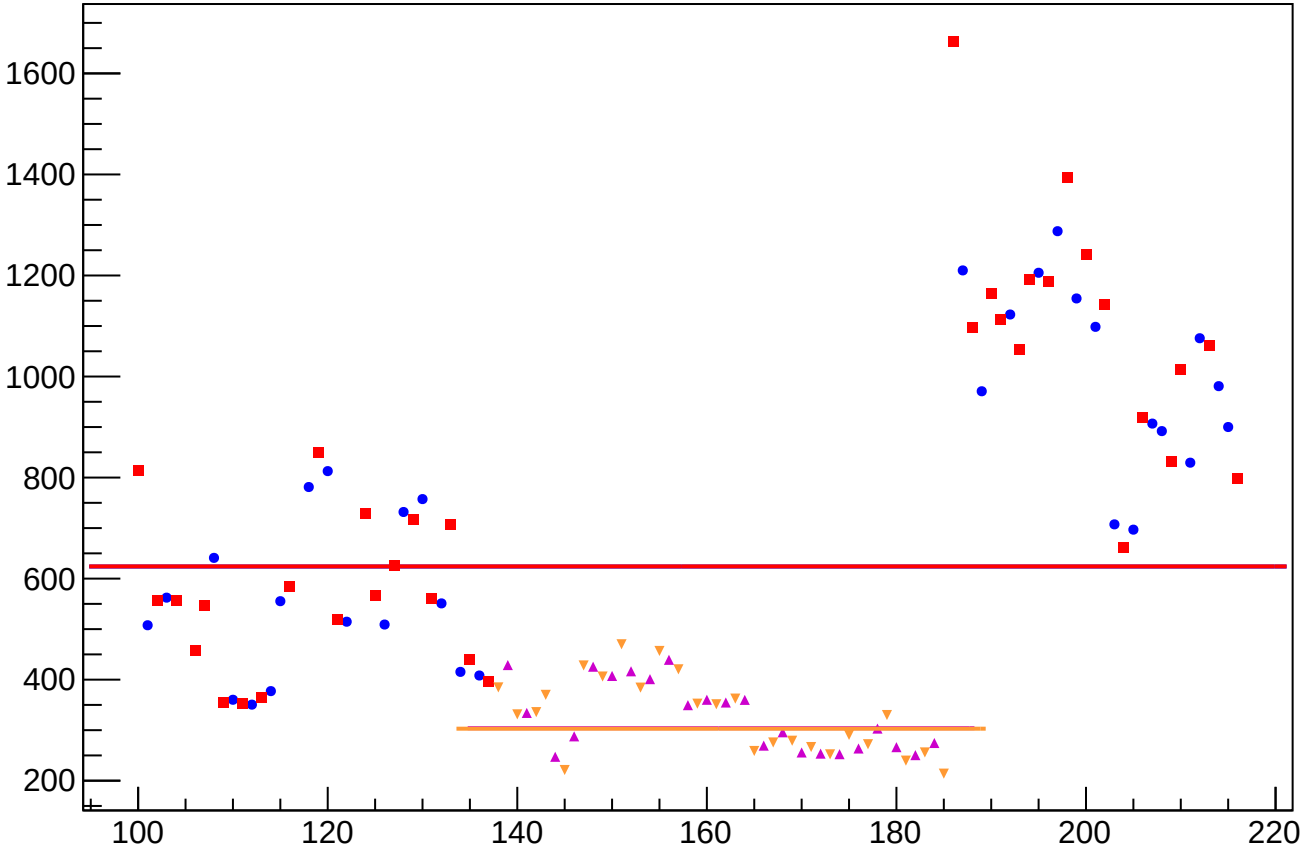
Right: 48.351+/-108.890 χ^2/NDF: 97.4/65

In: -94.739+/-65.698 χ^2/NDF:84.2/53

Out: -104.387+/-64.284 χ^2/NDF:97.2/59

All: -99.668+/-45.947 χ^2/NDF: 181.3/113

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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: 624.170+/-0.109 χ^2/NDF: 6427429.8/34

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

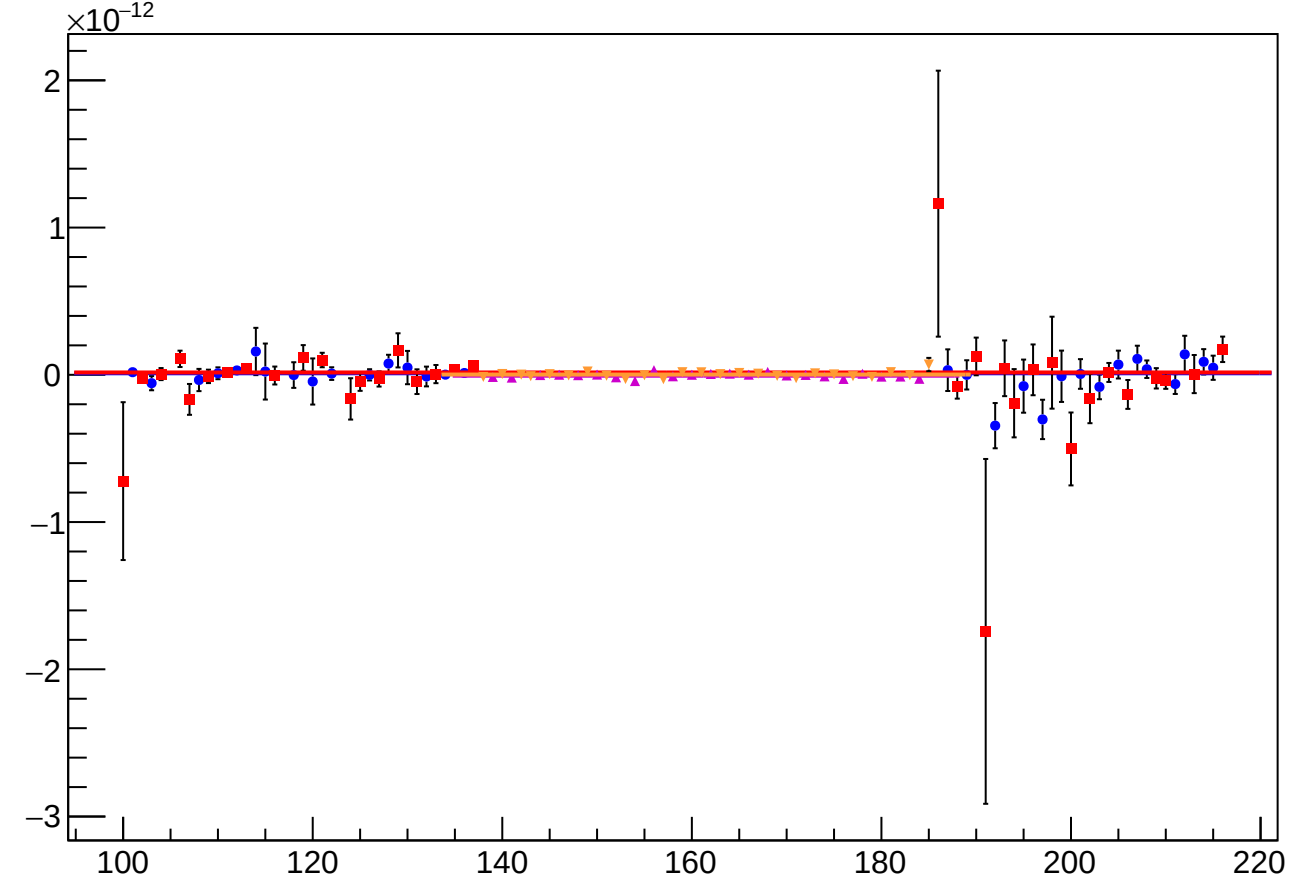
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 624.032+/-0.077 χ^2/NDF: 11815120.3/65

In: 362.172+/-0.046 χ^2/NDF:13828045.1/53

Out: 358.911+/-0.045 χ^2/NDF:15378528.0/59

All: 360.506+/-0.032 χ^2/NDF: 29209091.7/11



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: 43.0/34

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

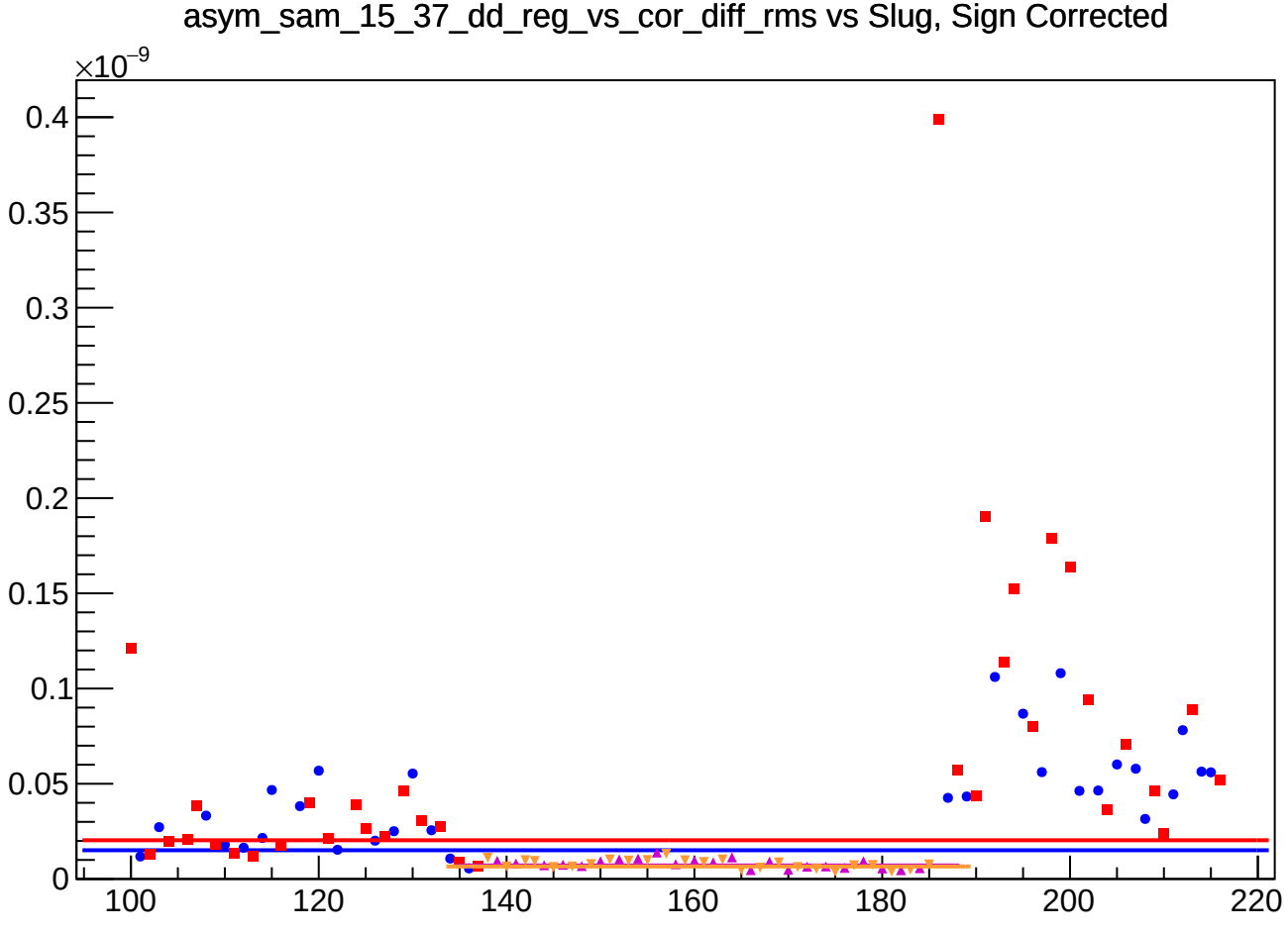
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 66.1/65

In: -0.000+/-0.000 χ^2/NDF:45.2/53

Out: 0.000+/-0.000 χ^2/NDF:67.9/59

All: -0.000+/-0.000 χ^2/NDF: 116.7/113



Right In: 0.000+/-0.000 χ^2/NDF: 7955893.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7176309.0/34

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

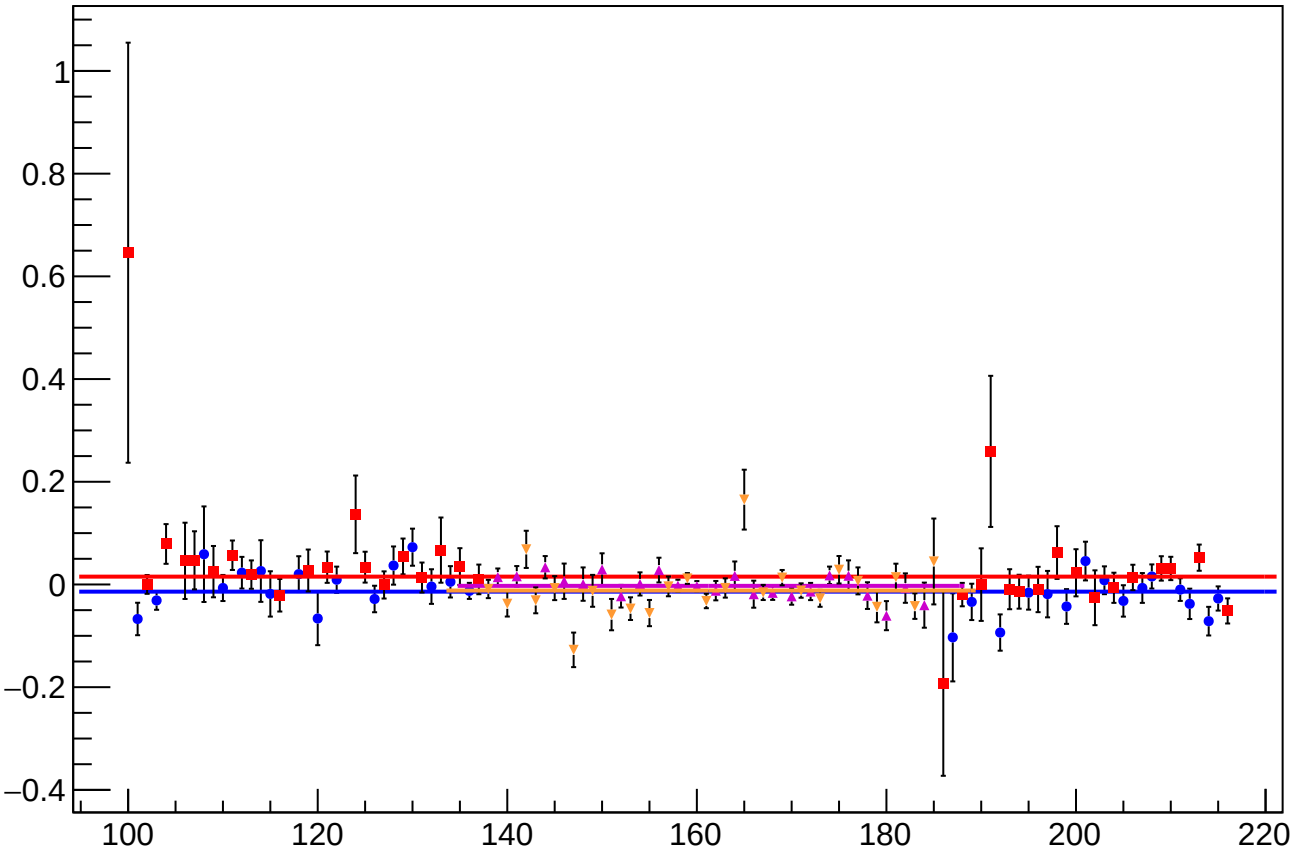
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15501168.9/65

In: 0.000+/-0.000 χ^2/NDF:10873040.3/53

Out: 0.000+/-0.000 χ^2/NDF:12494968.5/59

All: 0.000+/-0.000 χ^2/NDF: 23410283.5/113



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: 0.015+/-0.006 χ^2/NDF: 36.3/34

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

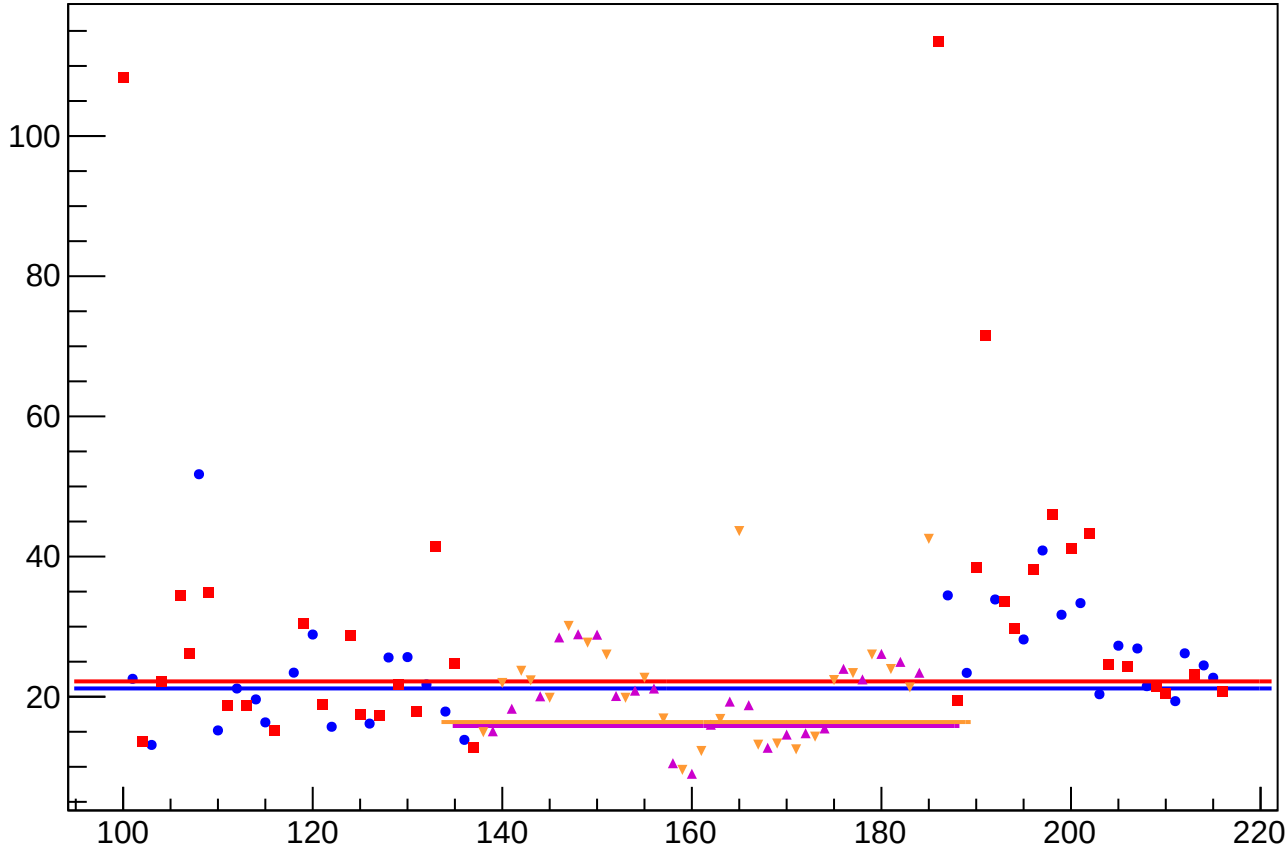
Right: -0.000+/-0.004 χ^2/NDF: 85.8/65

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.002+/-0.003 χ^2/NDF:105.0/59

All: -0.005+/-0.002 χ^2/NDF: 163.7/113

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: 22.187+/-0.004 χ^2/NDF: 4122588.3/34

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

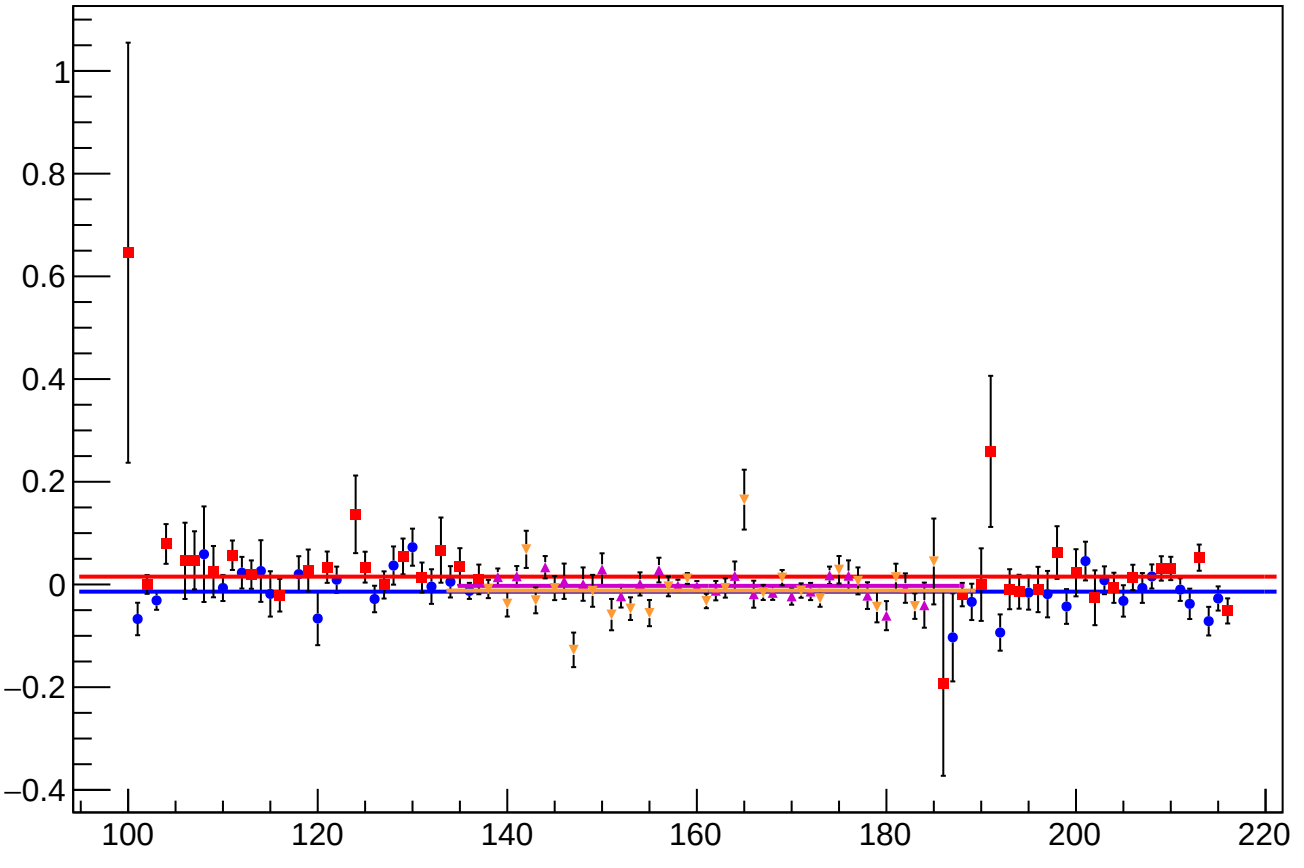
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.656+/-0.003 χ^2/NDF: 7097117.0/65

In: 17.797+/-0.002 χ^2/NDF:7890307.3/53

Out: 18.390+/-0.002 χ^2/NDF:9557378.9/59

All: 18.086+/-0.002 χ^2/NDF: 17480953.8/113



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: 0.015+/-0.006 χ^2/NDF: 36.3/34

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

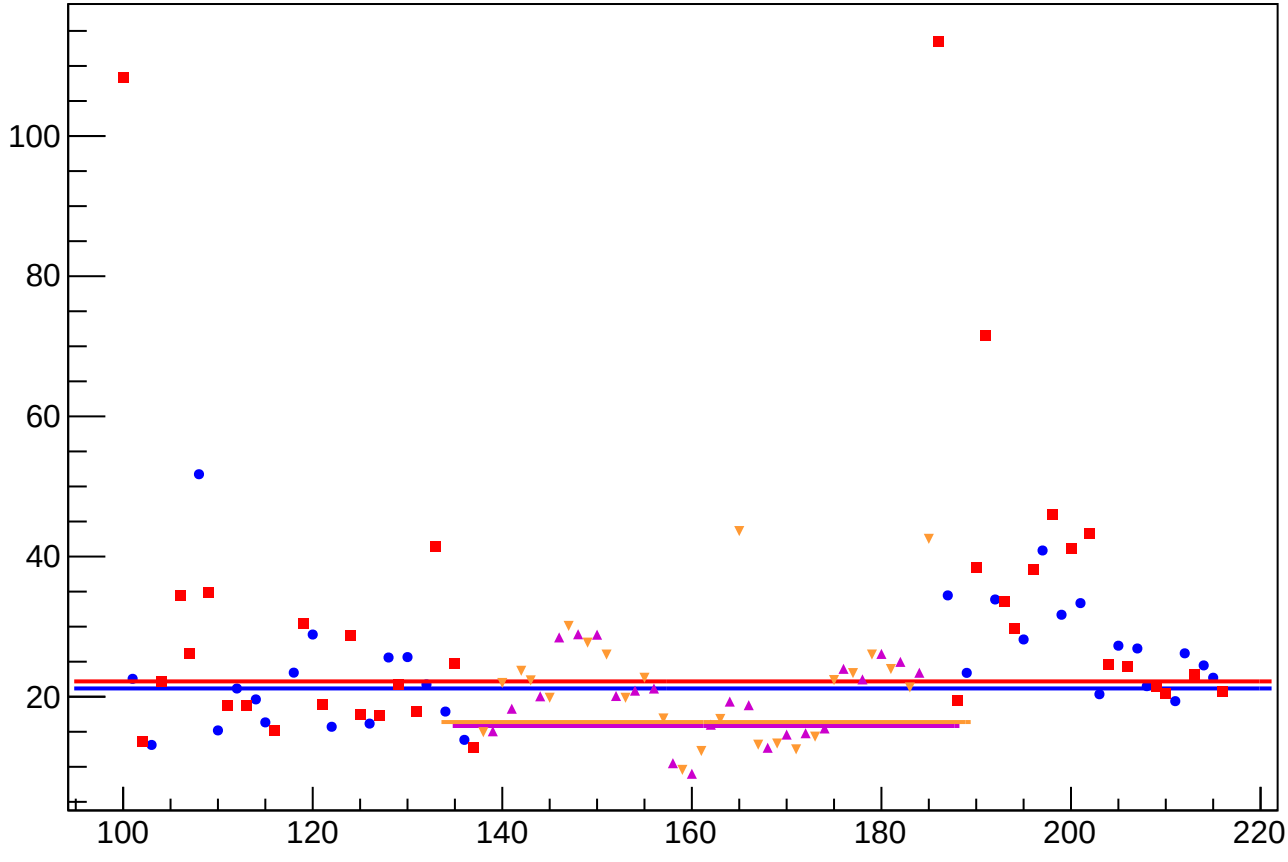
Right: -0.000+/-0.004 χ^2/NDF: 85.8/65

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.002+/-0.003 χ^2/NDF:105.0/59

All: -0.005+/-0.002 χ^2/NDF: 163.7/113

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: 22.187+/-0.004 χ^2/NDF: 4122588.3/34

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

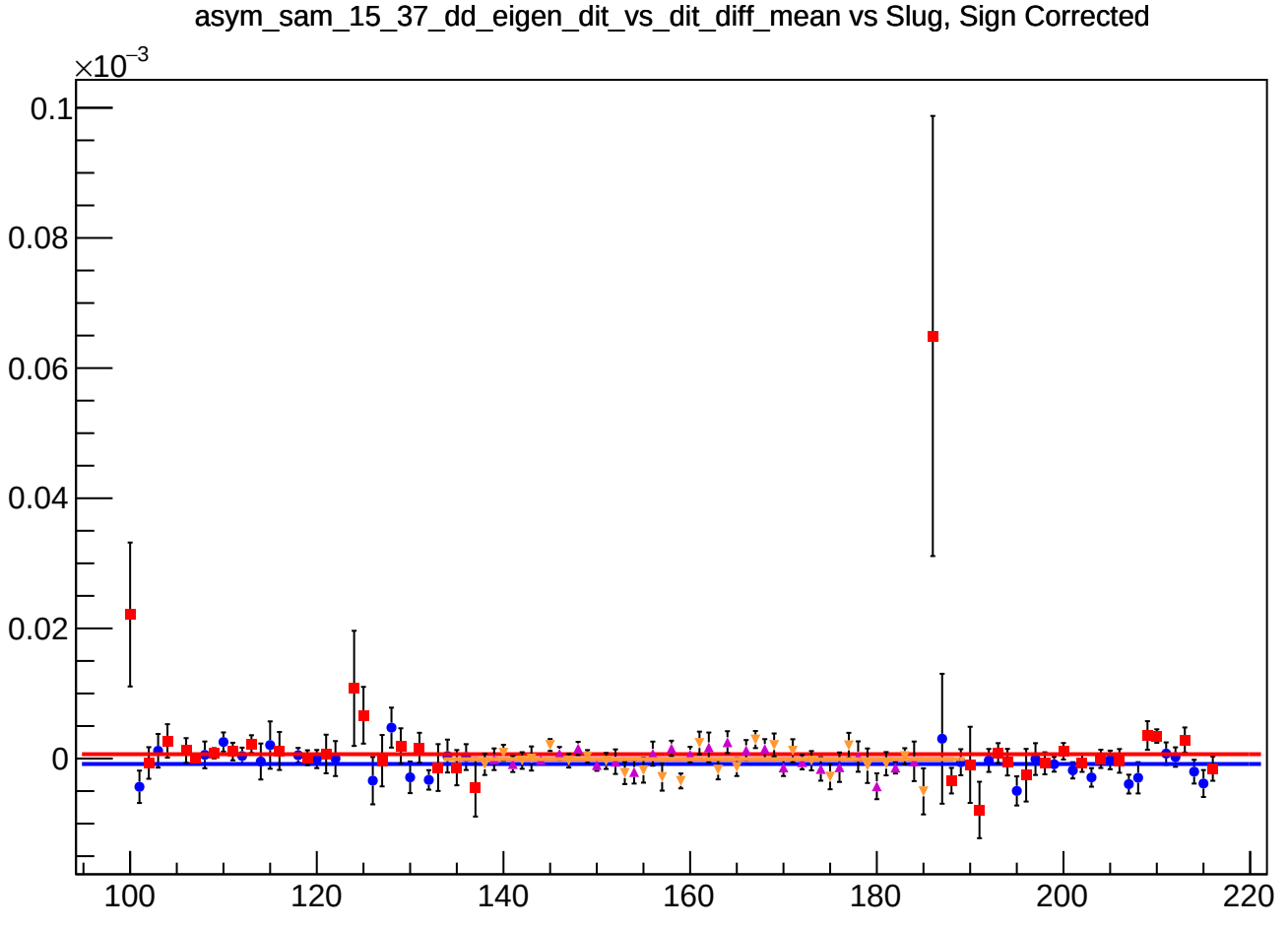
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.656+/-0.003 χ^2/NDF: 7097117.0/65

In: 17.797+/-0.002 χ^2/NDF:7890307.3/53

Out: 18.390+/-0.002 χ^2/NDF:9557378.9/59

All: 18.086+/-0.002 χ^2/NDF: 17480953.8/113



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: 39.8/34

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

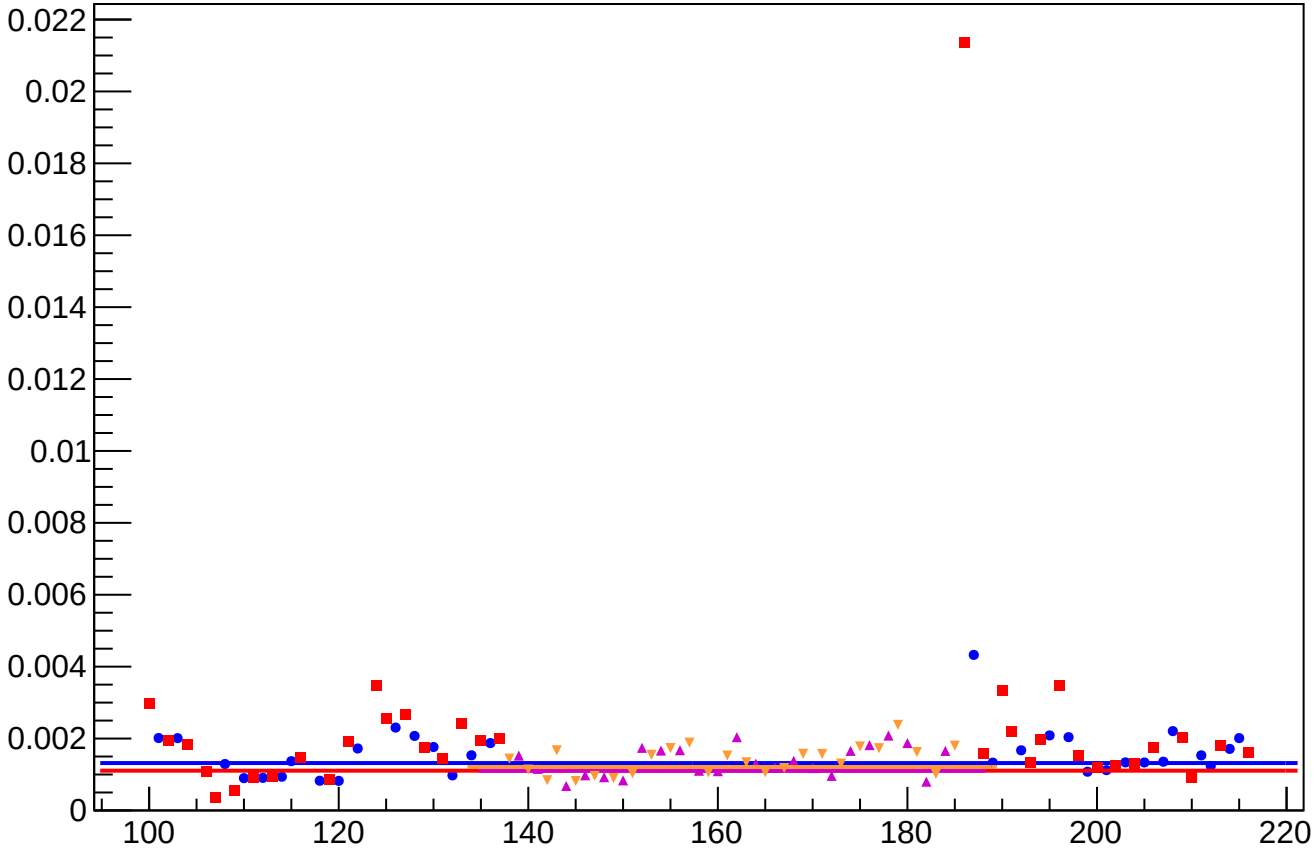
Right: -0.000+/-0.000 χ^2/NDF: 87.4/65

In: -0.000+/-0.000 χ^2/NDF:60.3/53

Out: 0.000+/-0.000 χ^2/NDF:79.4/59

All: -0.000+/-0.000 χ^2/NDF: 145.5/113

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: 8800067.9/34

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

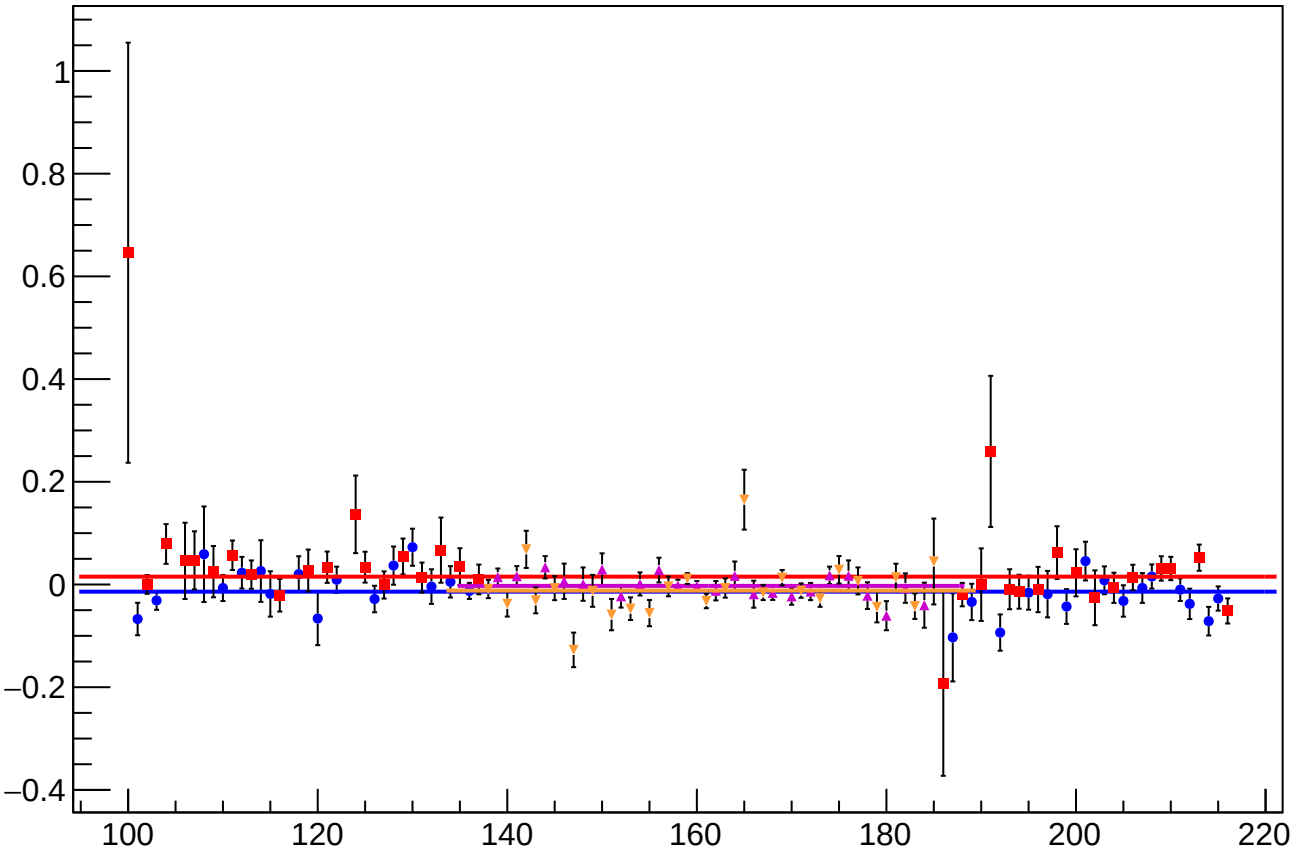
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 12719689.2/65

In: 0.001+/-0.000 χ^2/NDF:7450649.9/53

Out: 0.001+/-0.000 χ^2/NDF:11644283.4/59

All: 0.001+/-0.000 χ^2/NDF: 19127621.9/113



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: 0.015+/-0.006 χ^2/NDF: 36.3/34

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

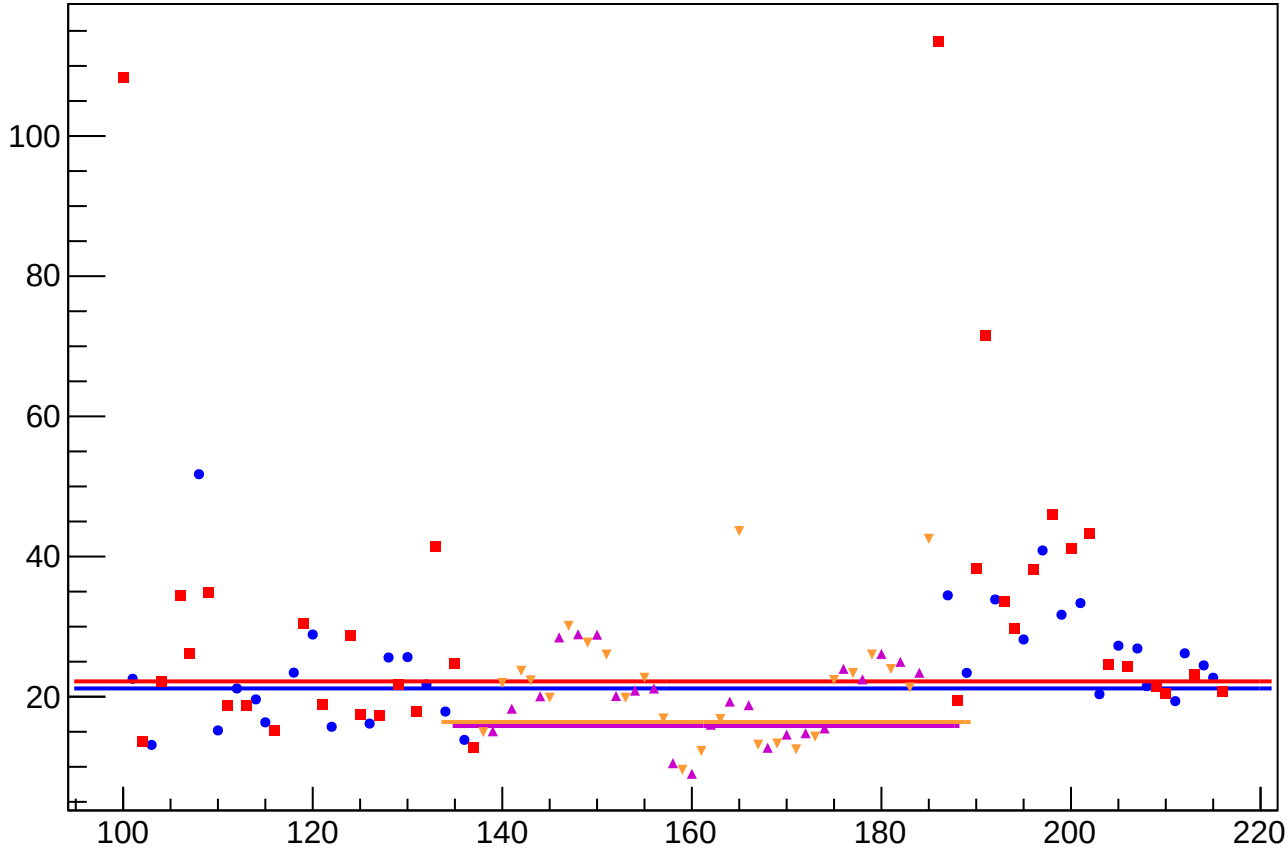
Right: -0.000+/-0.004 χ^2/NDF: 85.8/65

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.002+/-0.003 χ^2/NDF:105.0/59

All: -0.005+/-0.002 χ^2/NDF: 163.7/113

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: 22.188+/-0.004 χ^2/NDF: 4122333.0/34

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

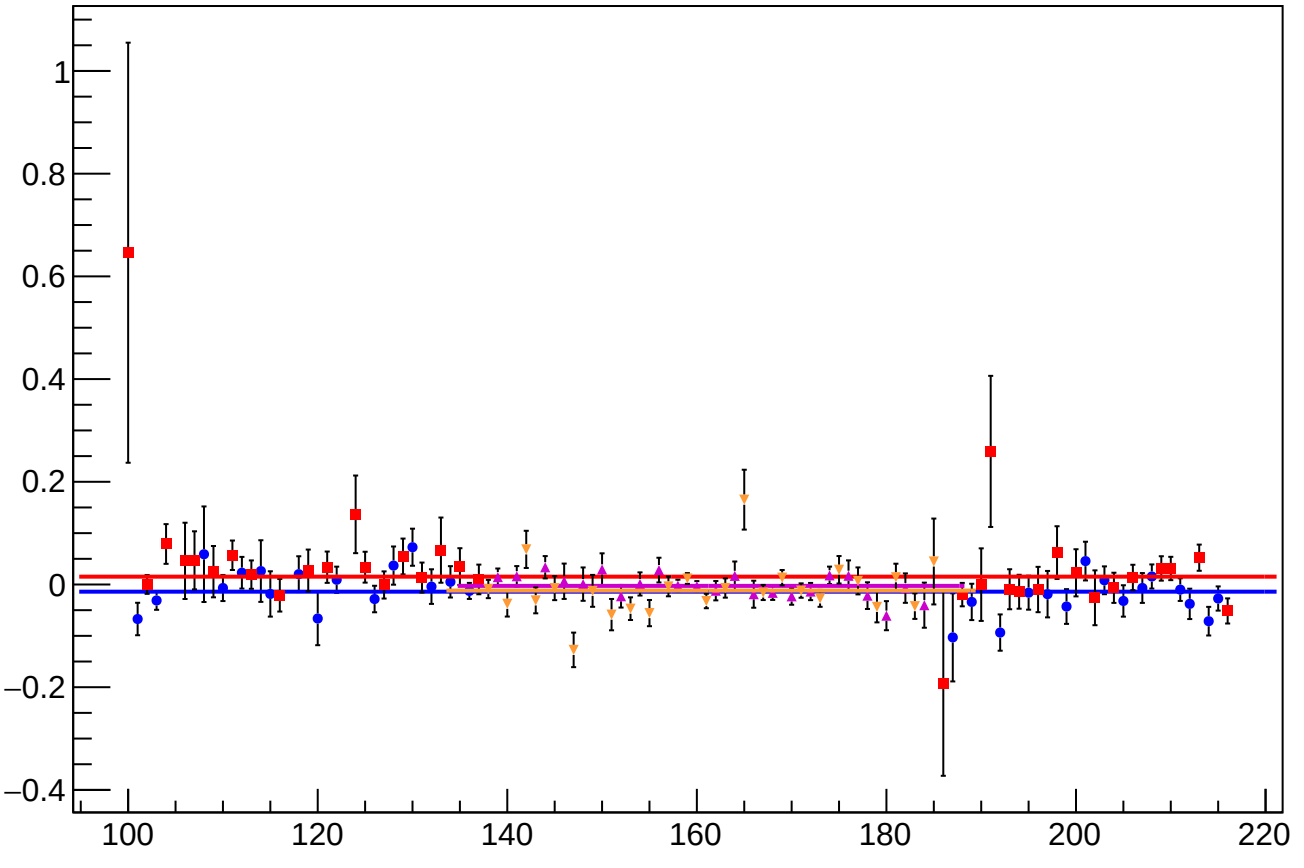
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.656+/-0.003 χ^2/NDF: 7096911.1/65

In: 17.797+/-0.002 χ^2/NDF:7890824.0/53

Out: 18.390+/-0.002 χ^2/NDF:9557633.2/59

All: 18.086+/-0.002 χ^2/NDF: 17481740.1/113



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: 0.015+/-0.006 χ^2/NDF: 36.3/34

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

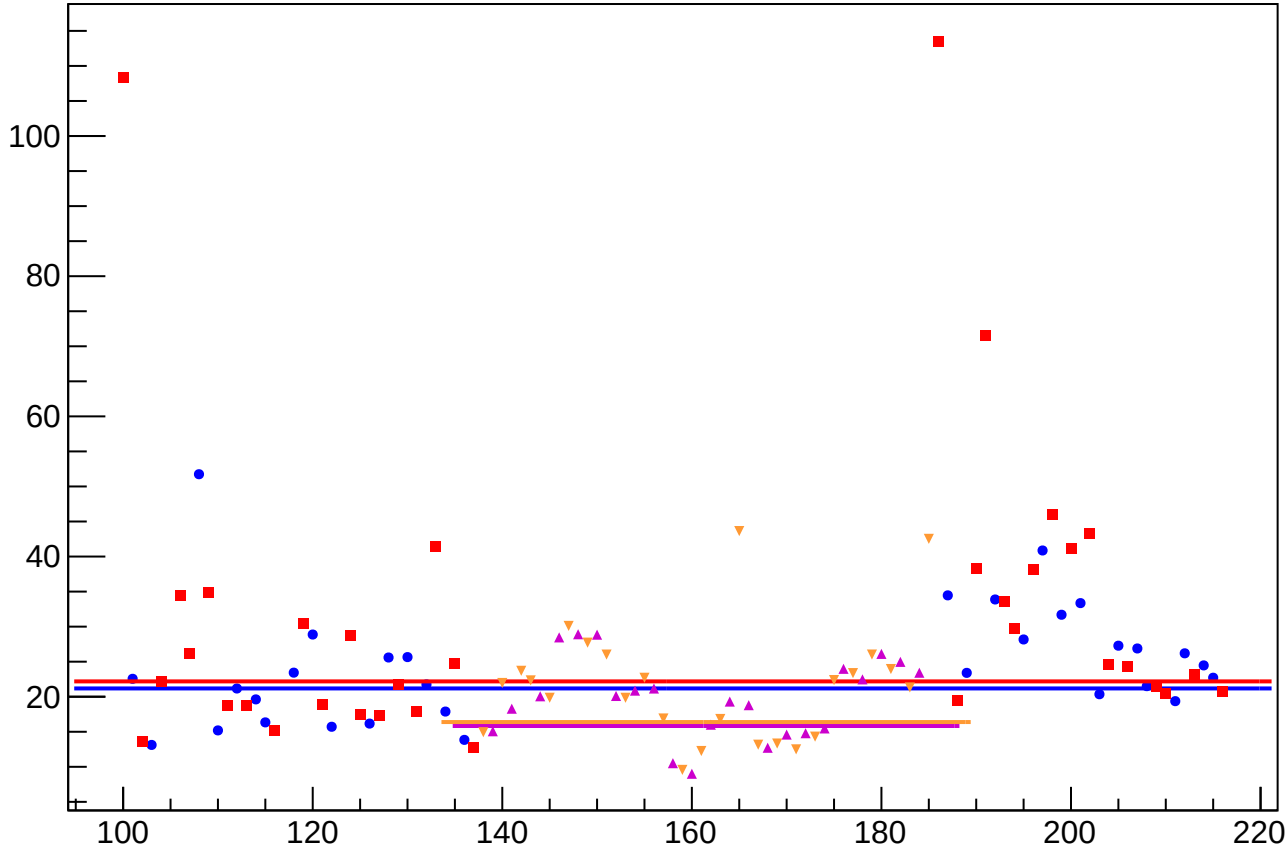
Right: -0.000+/-0.004 χ^2/NDF: 85.8/65

In: -0.007+/-0.003 χ^2/NDF:57.7/53

Out: -0.002+/-0.003 χ^2/NDF:105.0/59

All: -0.005+/-0.002 χ^2/NDF: 163.7/113

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: 22.188+/-0.004 χ^2/NDF: 4122333.0/34

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

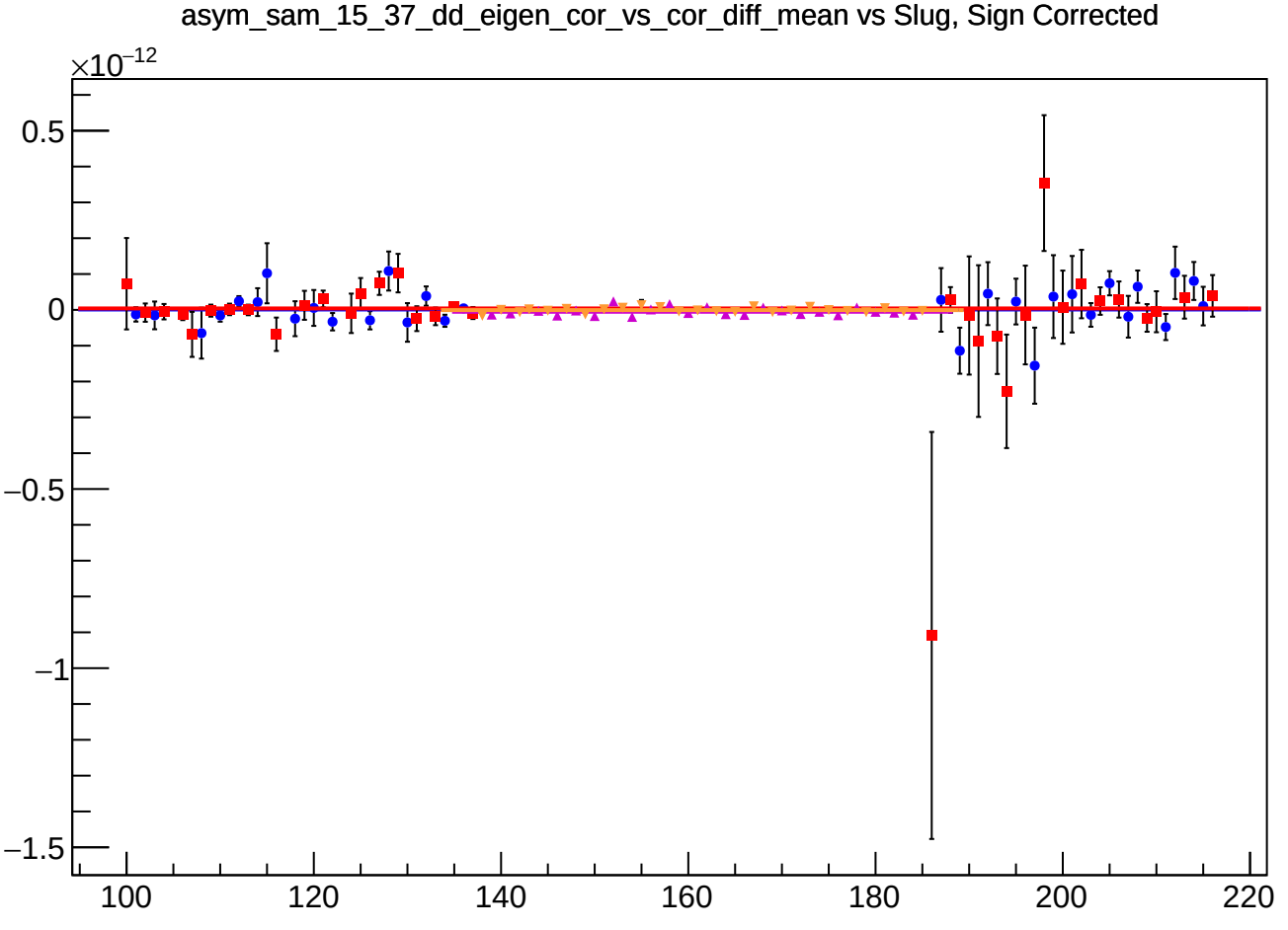
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.656+/-0.003 χ^2/NDF: 7096911.1/65

In: 17.797+/-0.002 χ^2/NDF:7890824.0/53

Out: 18.390+/-0.002 χ^2/NDF:9557633.2/59

All: 18.086+/-0.002 χ^2/NDF: 17481740.1/113



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: 30.7/34

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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

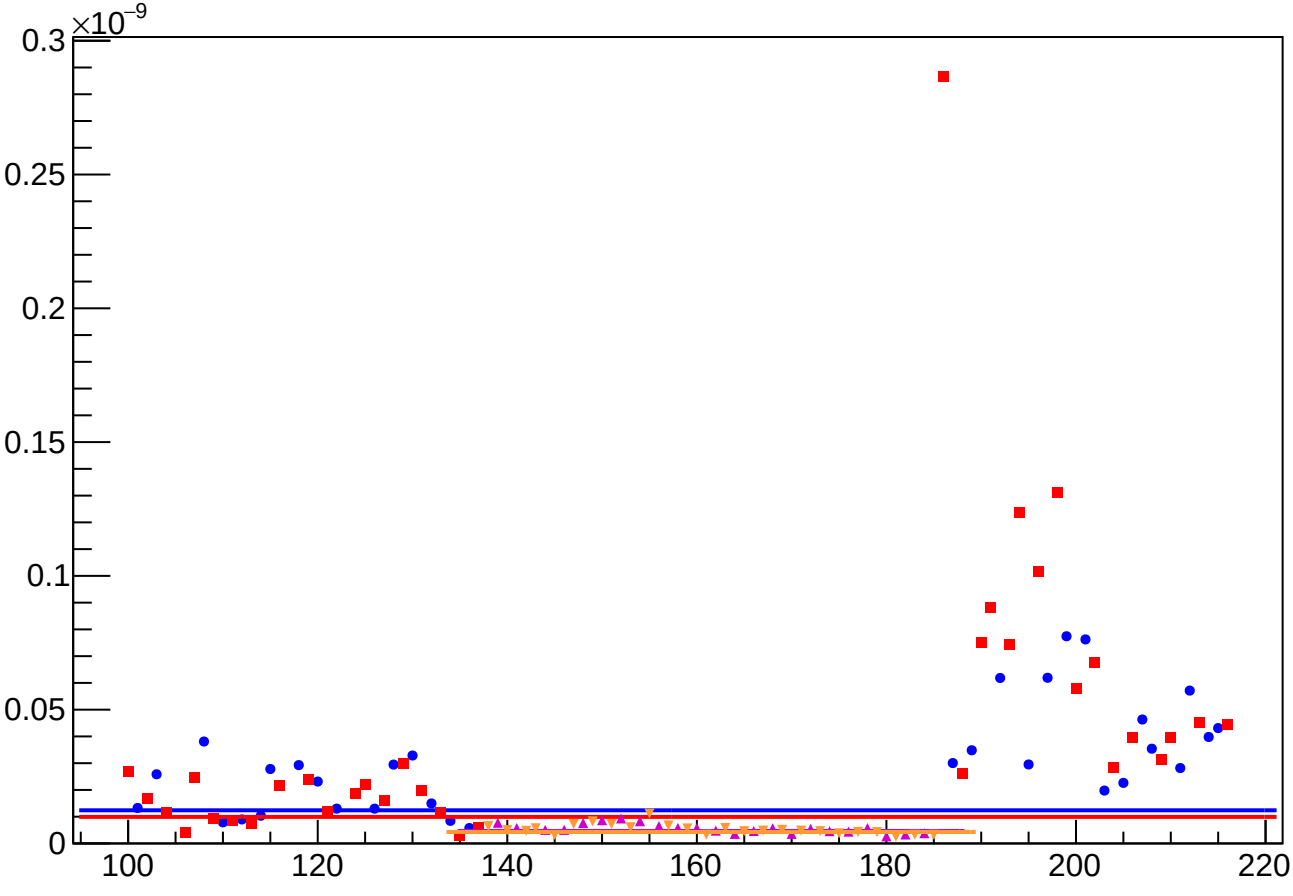
Right: 0.000+/-0.000 χ^2/NDF: 70.5/65

In: -0.000+/-0.000 χ^2/NDF:79.1/53

Out: -0.000+/-0.000 χ^2/NDF:50.9/59

All: -0.000+/-0.000 χ^2/NDF: 136.1/113

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 13442102.2/34

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

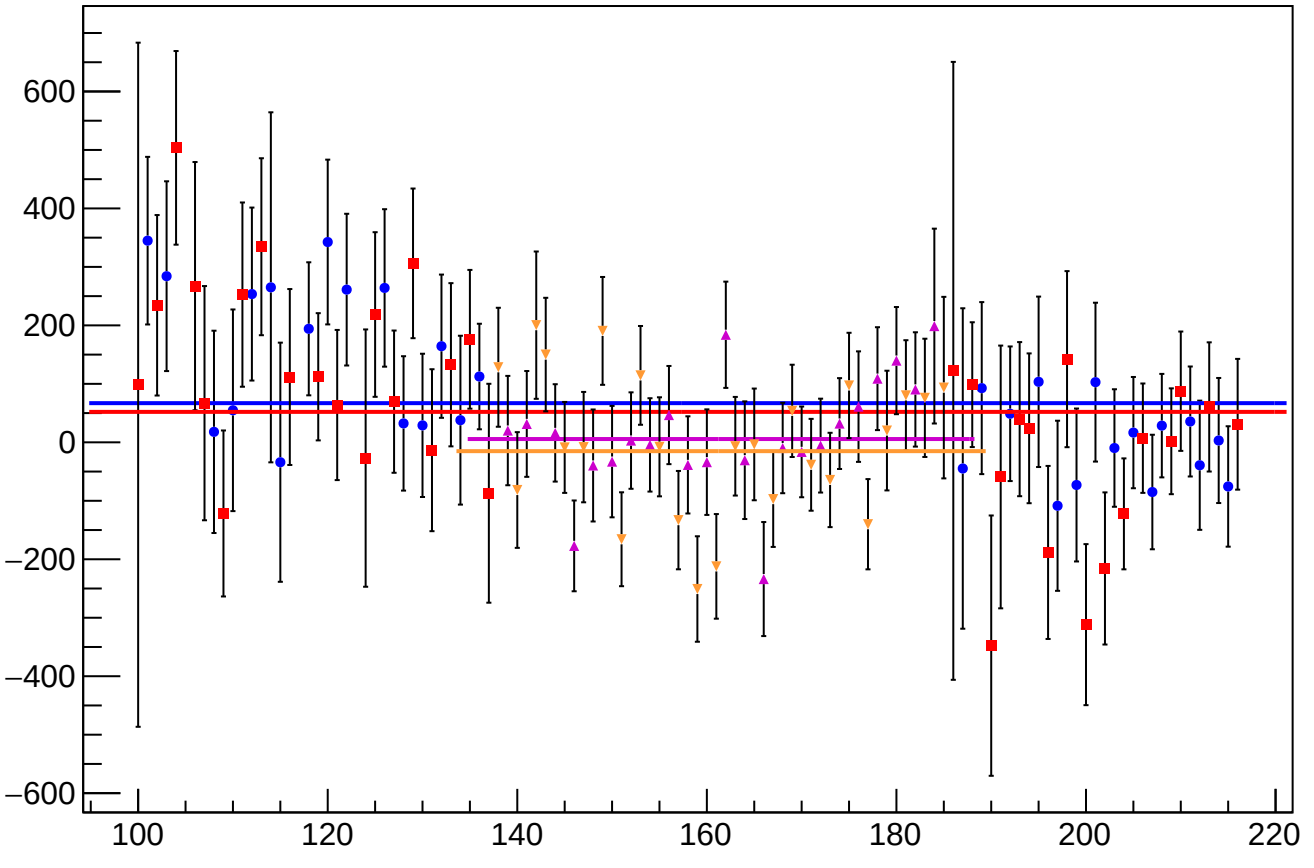
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 23679412.9/65

In: 0.000+/-0.000 χ^2/NDF:17325111.0/53

Out: 0.000+/-0.000 χ^2/NDF:19172991.3/59

All: 0.000+/-0.000 χ^2/NDF: 36668867.4/113



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: 52.063+/-22.874 χ^2/NDF: 46.7/34

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

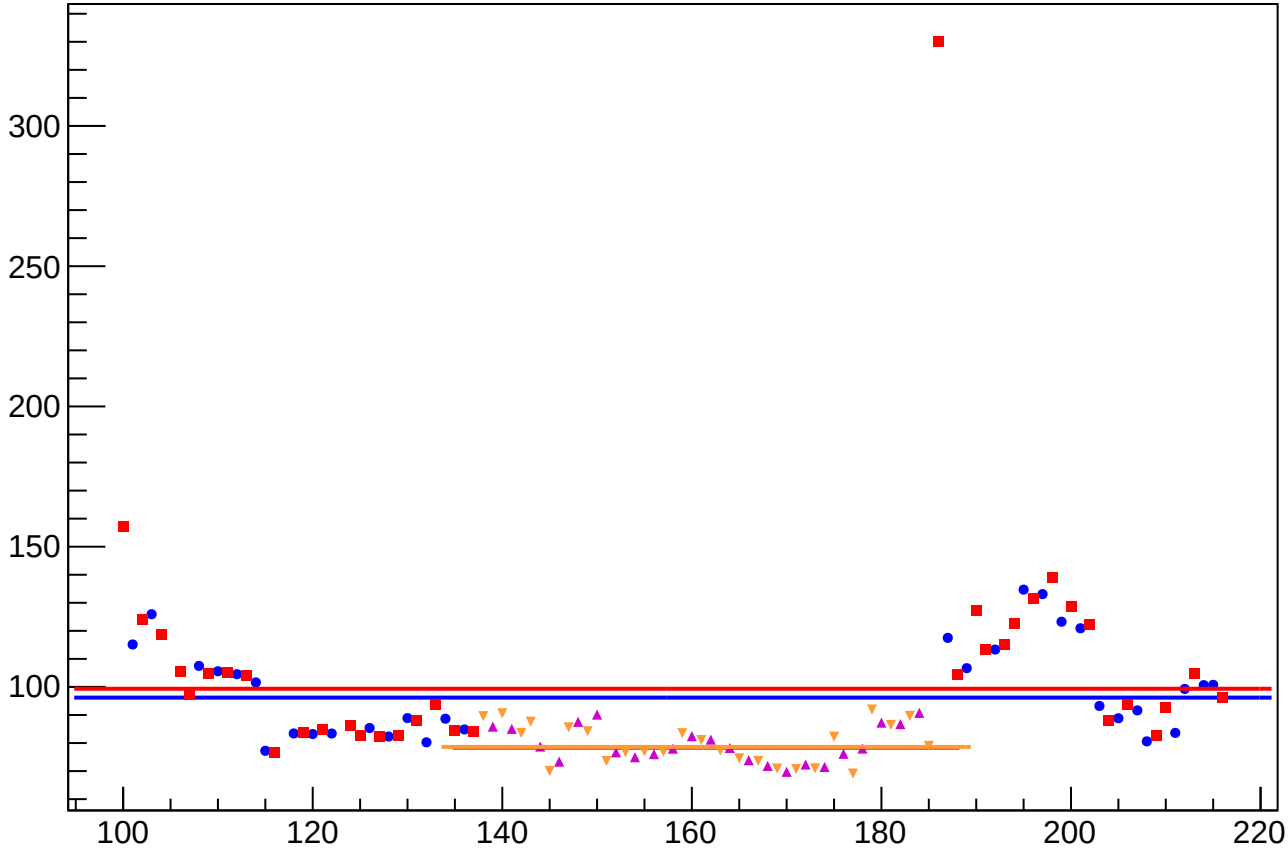
Right: 59.730+/-15.956 χ^2/NDF: 75.1/65

In: 30.499+/-14.176 χ^2/NDF:55.7/53

Out: 10.510+/-14.124 χ^2/NDF:93.7/59

All: 20.468+/-10.006 χ^2/NDF: 150.4/113

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: 99.363+/-0.016 χ^2/NDF: 1413296.5/34

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

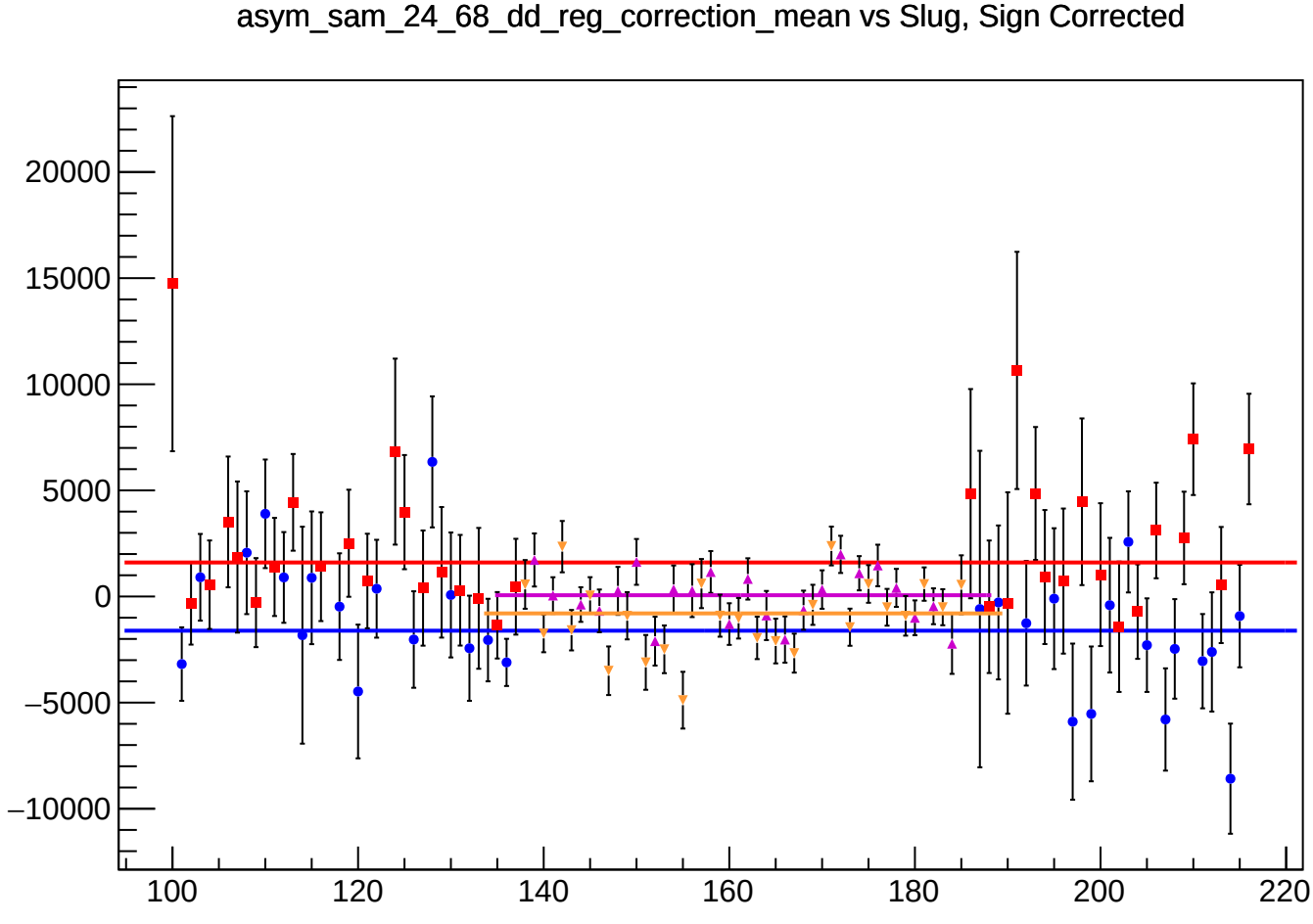
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

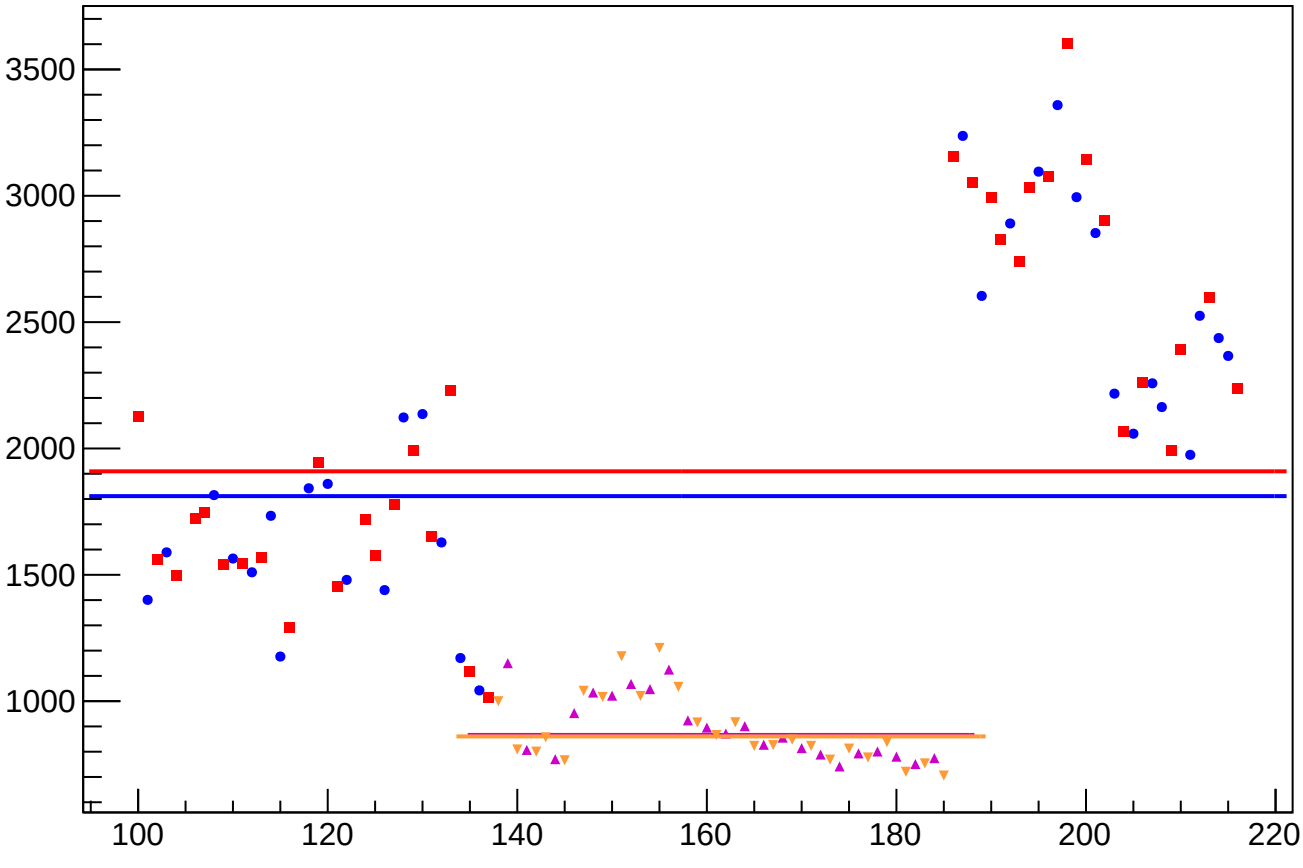
Right: 97.735+/-0.011 χ^2/NDF: 2367163.4/65

In: 85.572+/-0.010 χ^2/NDF:1908376.6/53

Out: 86.528+/-0.010 χ^2/NDF:2738271.2/59

All: 86.052+/-0.007 χ^2/NDF: 4651214.3/113


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: 1602.042+/-452.504 χ²/NDF: 31.2/34
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -64.612+/-313.950 χ²/NDF: 96.3/65
In: -241.740+/-185.095 χ²/NDF:81.4/53
Out: -411.864+/-181.306 χ²/NDF:114.3/59
All: -328.561+/-129.521 χ²/NDF: 196.2/113



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: 1909.537+/-0.320 χ^2/NDF: 3719823.4/34

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

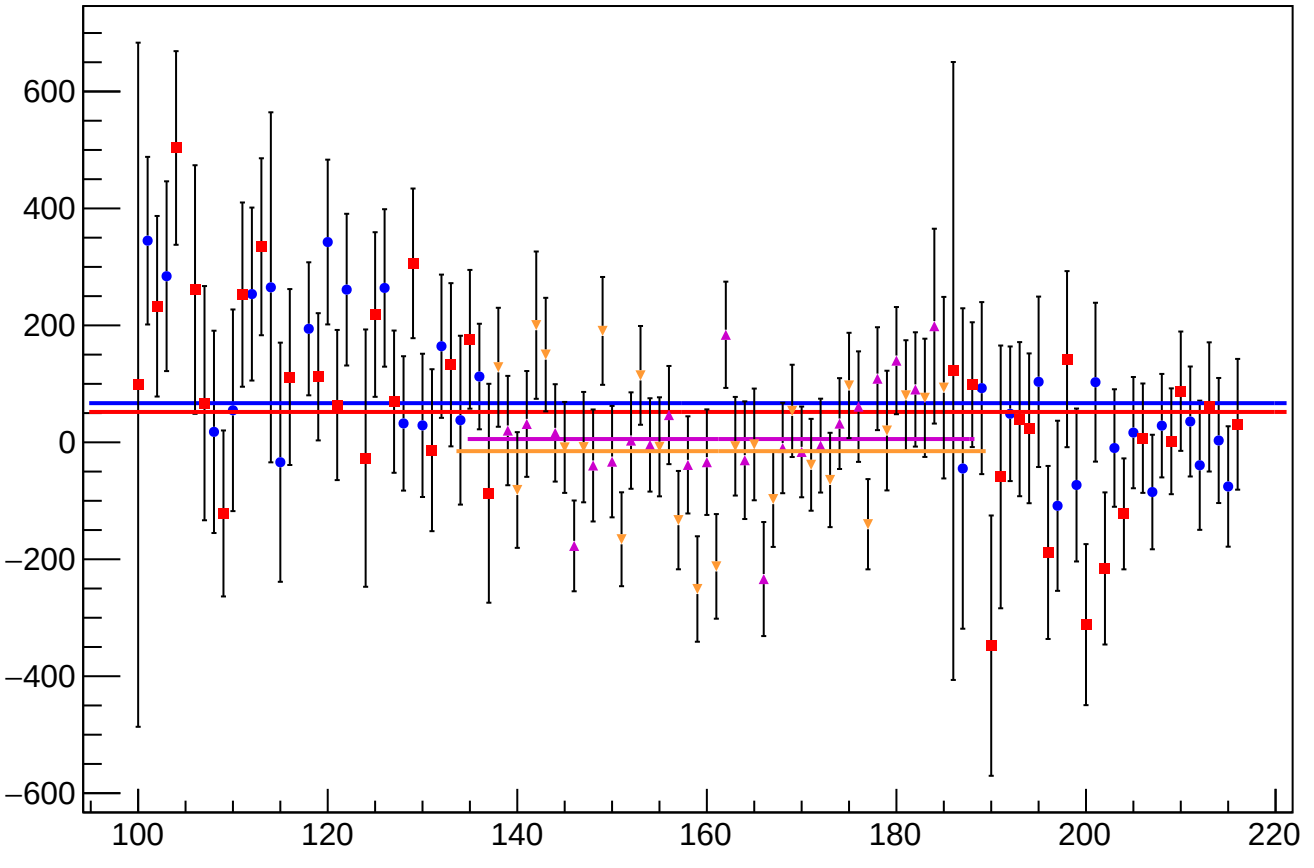
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1858.644+/-0.222 χ^2/NDF: 7515512.2/65

In: 1036.718+/-0.131 χ^2/NDF:12064837.4/53

Out: 1028.903+/-0.128 χ^2/NDF:13442556.5/59

All: 1032.730+/-0.092 χ^2/NDF: 25509213.3/1



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: 51.945+/-22.874 χ^2/NDF: 46.6/34

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

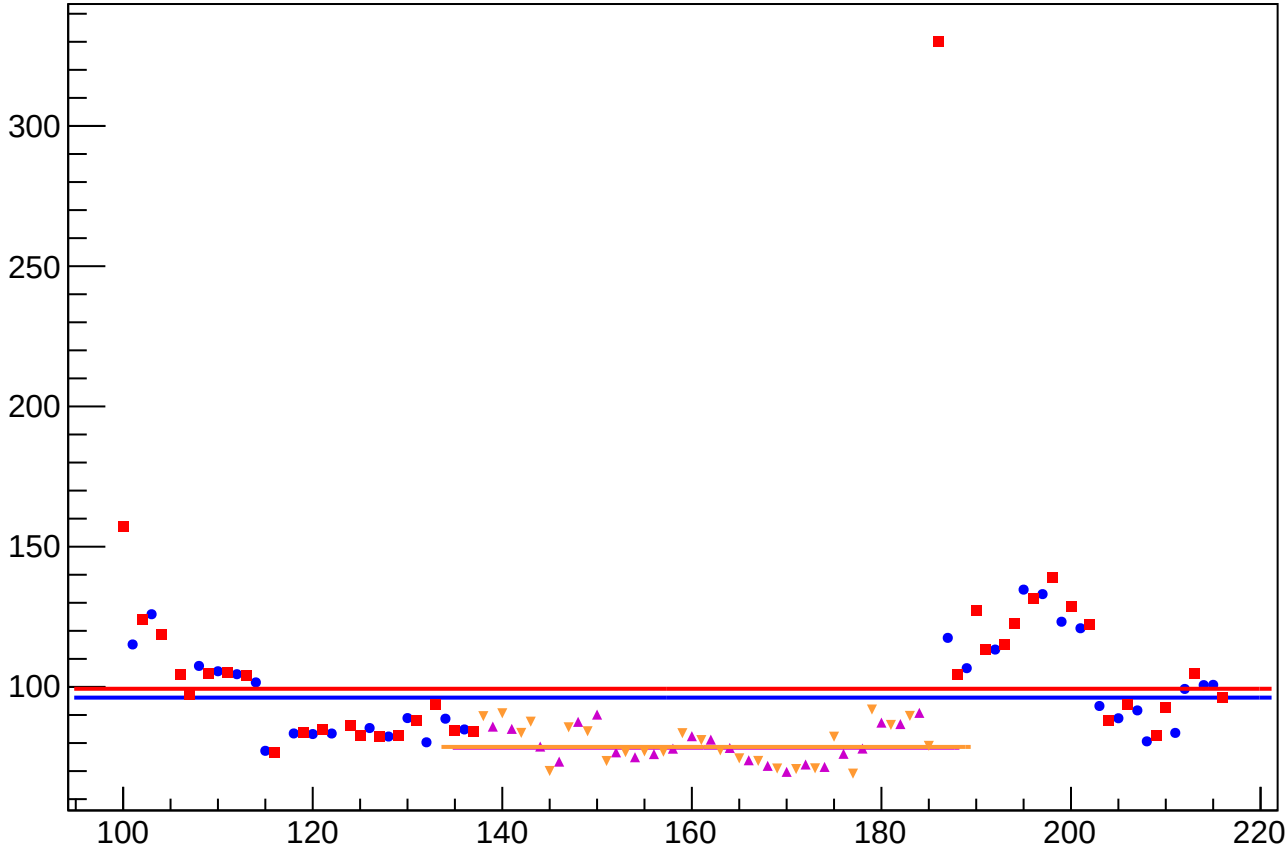
Right: 59.670+/-15.956 χ^2/NDF: 75.0/65

In: 30.495+/-14.176 χ^2/NDF:55.7/53

Out: 10.465+/-14.125 χ^2/NDF:93.5/59

All: 20.444+/-10.006 χ^2/NDF: 150.3/113

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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: 99.348+/-0.016 χ^2/NDF: 1412837.9/34

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

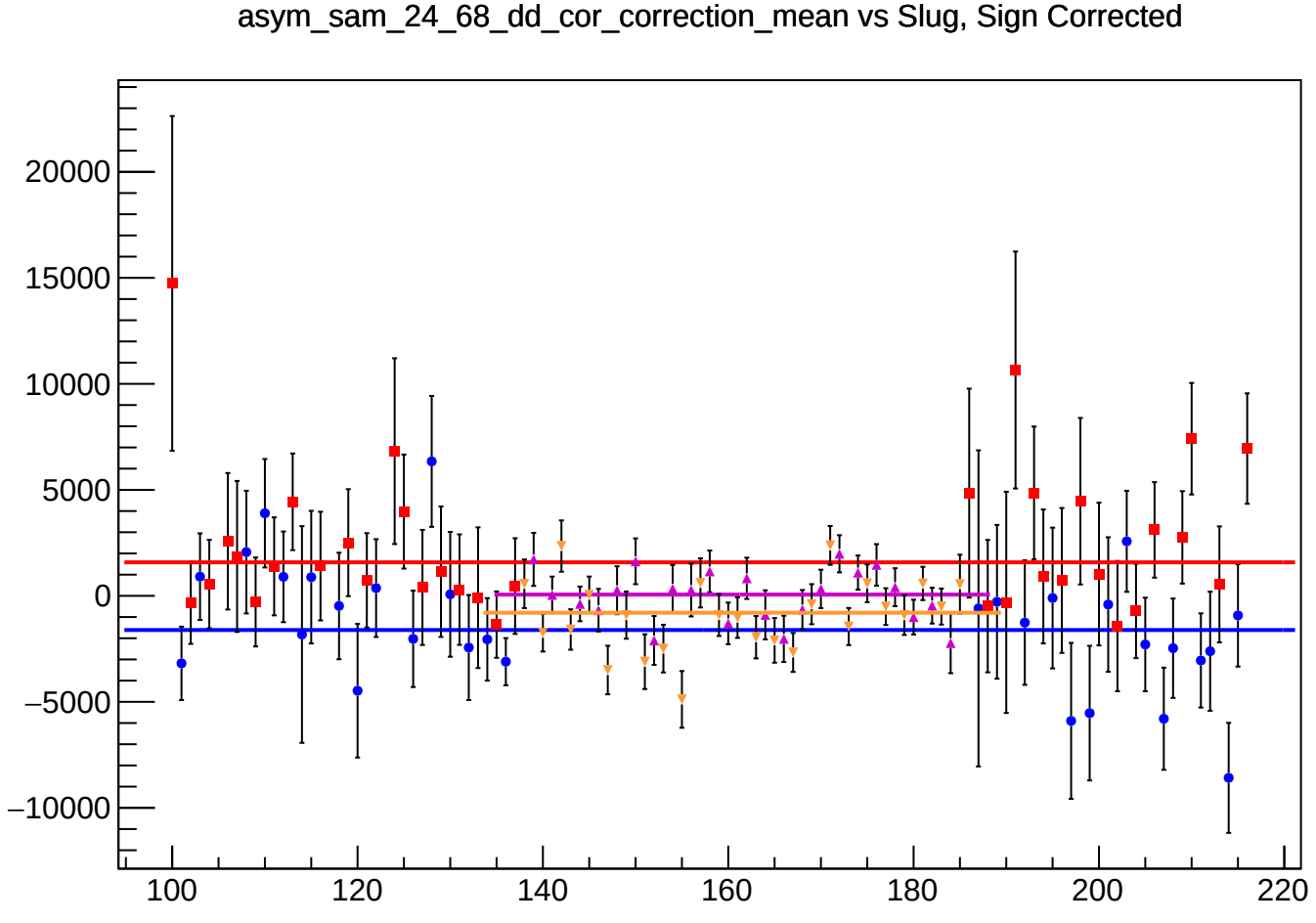
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

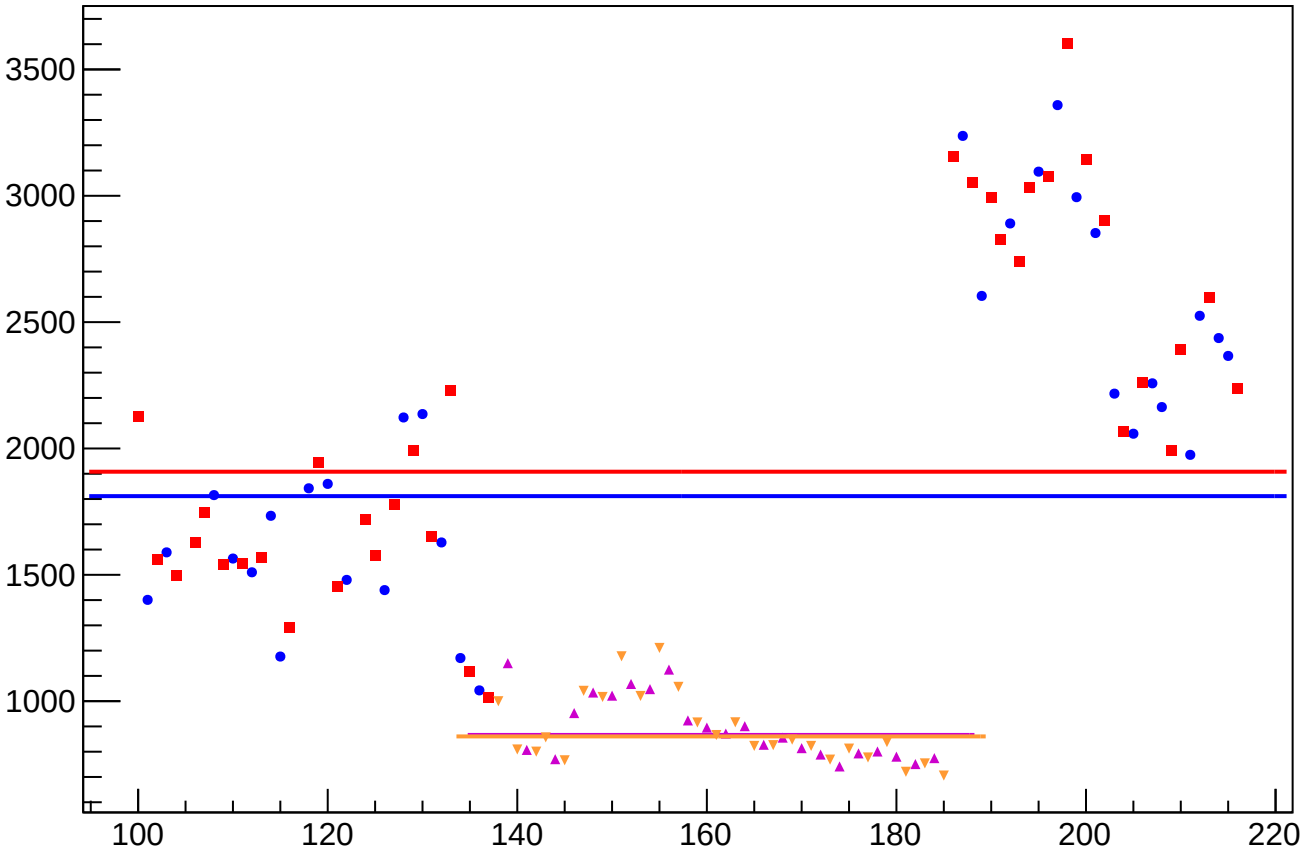
Right: 97.728+/-0.011 χ^2/NDF: 2366527.5/65

In: 85.572+/-0.010 χ^2/NDF:1908378.5/53

Out: 86.522+/-0.010 χ^2/NDF:2736367.2/59

All: 86.049+/-0.007 χ^2/NDF: 4649257.3/113


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -1611.500+/-435.945 χ²/NDF: 38.9/30
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1580.239+/-452.925 χ²/NDF: 30.9/34
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -76.581+/-314.091 χ²/NDF: 95.6/65
In: -241.737+/-185.095 χ²/NDF:81.4/53
Out: -415.959+/-181.333 χ²/NDF:113.5/59
All: -330.637+/-129.531 χ²/NDF: 195.4/113



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: 1908.067+/-0.320 χ^2/NDF: 3727381.3/34

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

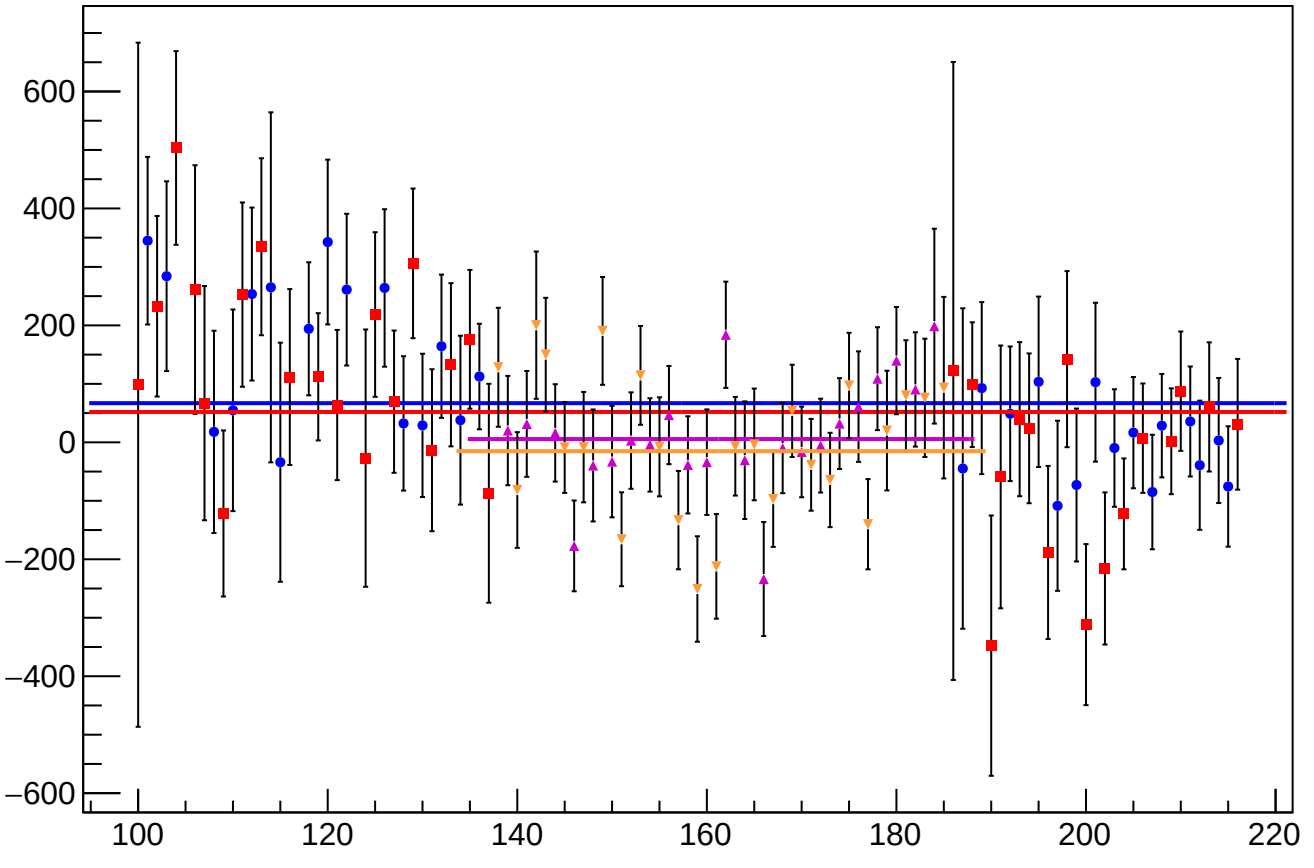
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1857.894+/-0.222 χ^2/NDF: 7521556.5/65

In: 1036.718+/-0.131 χ^2/NDF:12064850.4/53

Out: 1028.405+/-0.128 χ^2/NDF:13410801.7/59

All: 1032.476+/-0.092 χ^2/NDF: 25477710.9/1



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: 51.945+/-22.874 χ^2/NDF: 46.6/34

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

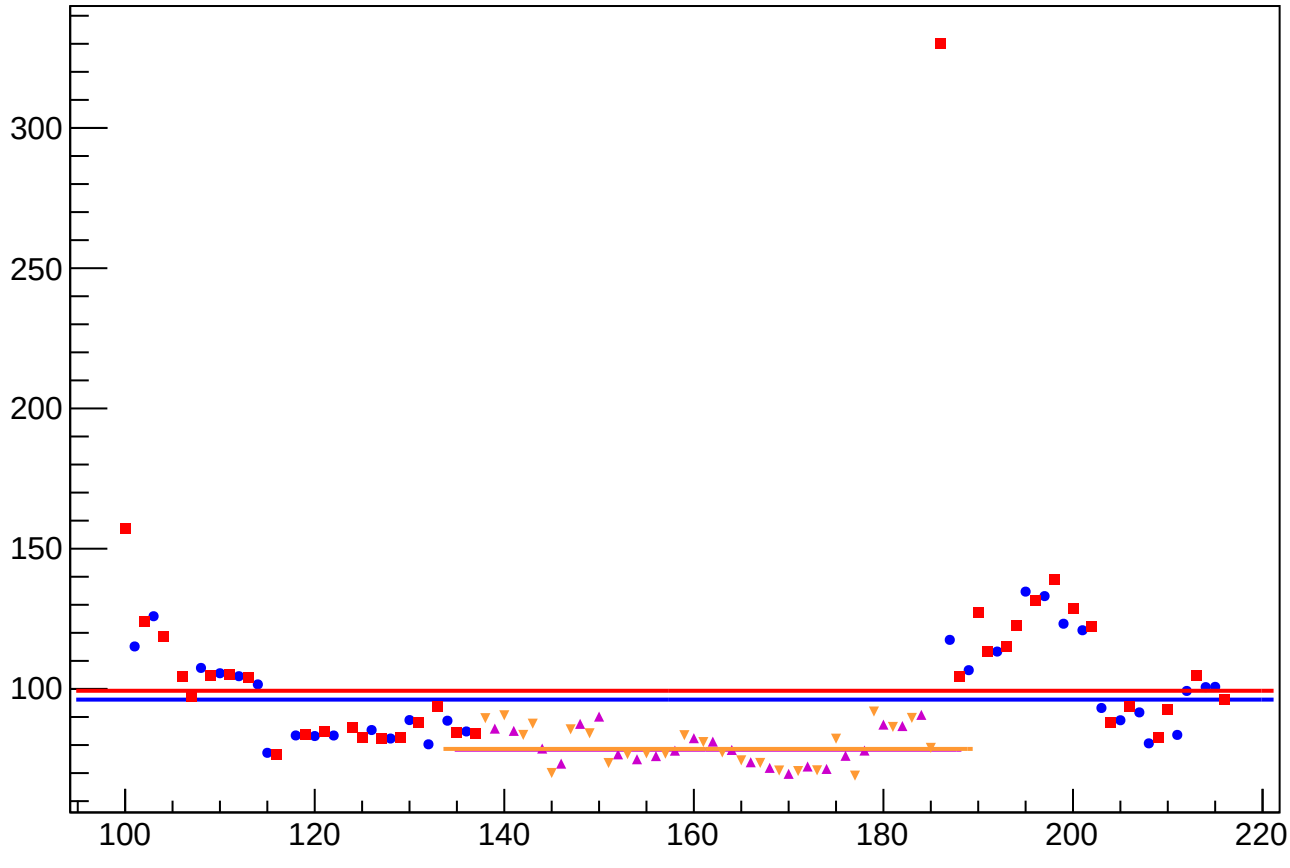
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 59.670+/-15.956 χ^2/NDF: 75.0/65

In: 30.495+/-14.176 χ^2/NDF:55.7/53

Out: 10.465+/-14.125 χ^2/NDF:93.5/59

All: 20.444+/-10.006 χ^2/NDF: 150.3/113



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: 99.348+/-0.016 χ^2/NDF: 1412837.9/34

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

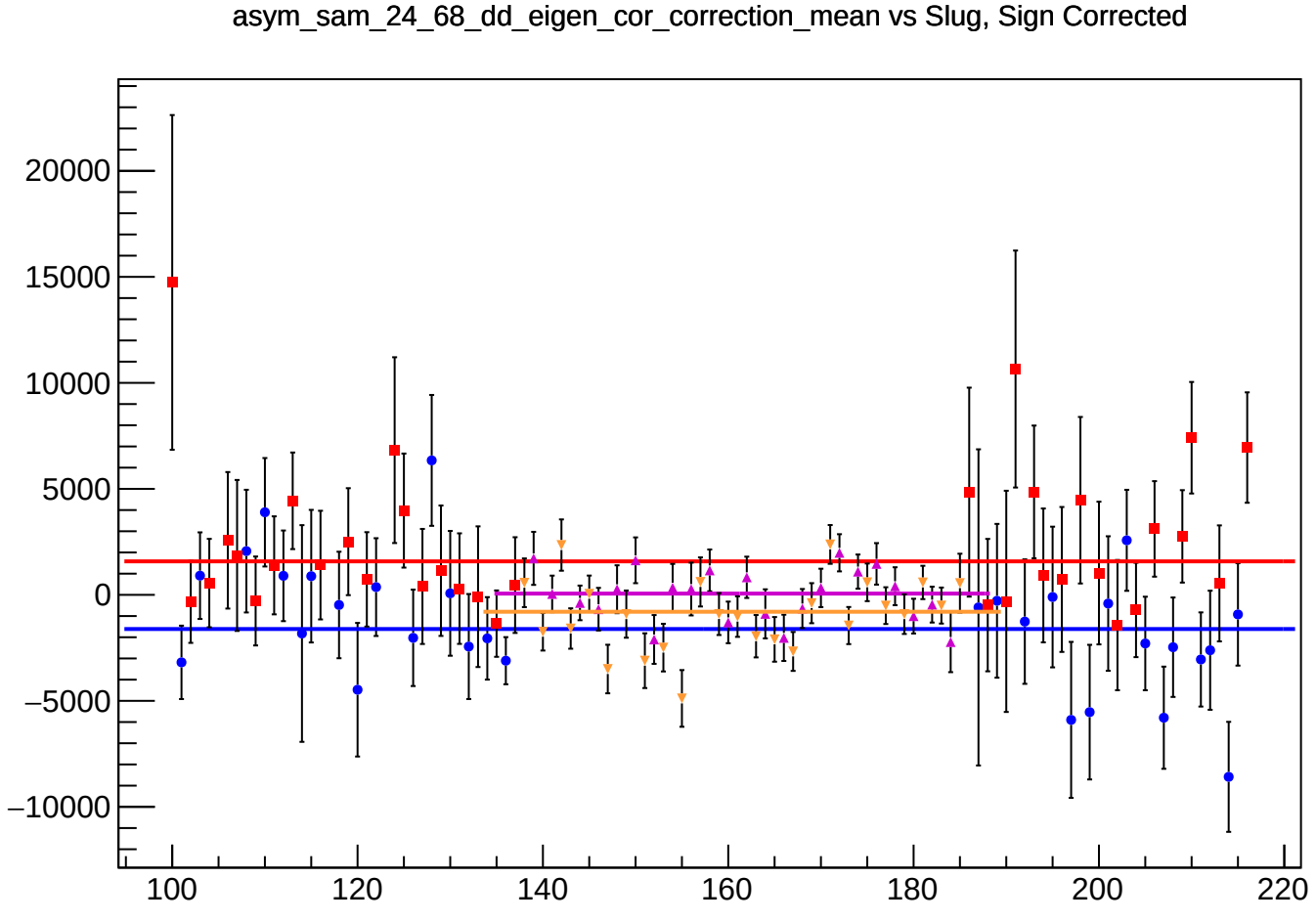
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 97.728+/-0.011 χ^2/NDF: 2366527.5/65

In: 85.572+/-0.010 χ^2/NDF:1908378.5/53

Out: 86.522+/-0.010 χ^2/NDF:2736367.2/59

All: 86.049+/-0.007 χ^2/NDF: 4649257.3/113



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: 1580.239+/-452.925 χ^2/NDF: 30.9/34

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

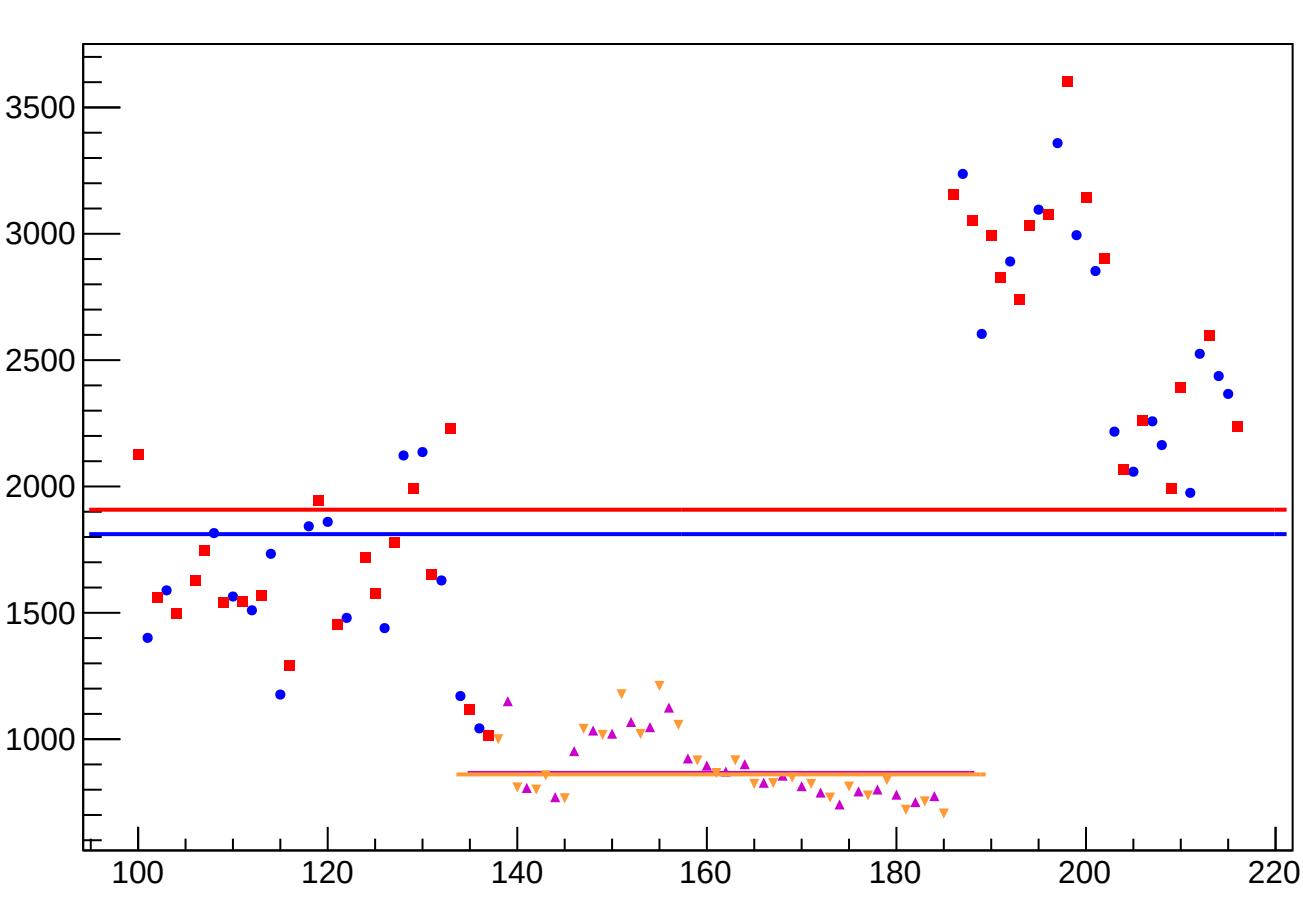
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -76.581+/-314.091 χ^2/NDF: 95.6/65

In: -241.737+/-185.095 χ^2/NDF:81.4/53

Out: -415.959+/-181.333 χ^2/NDF:113.5/59

All: -330.637+/-129.531 χ^2/NDF: 195.4/113



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: 1908.067+/-0.320 χ^2/NDF: 3727381.3/34

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

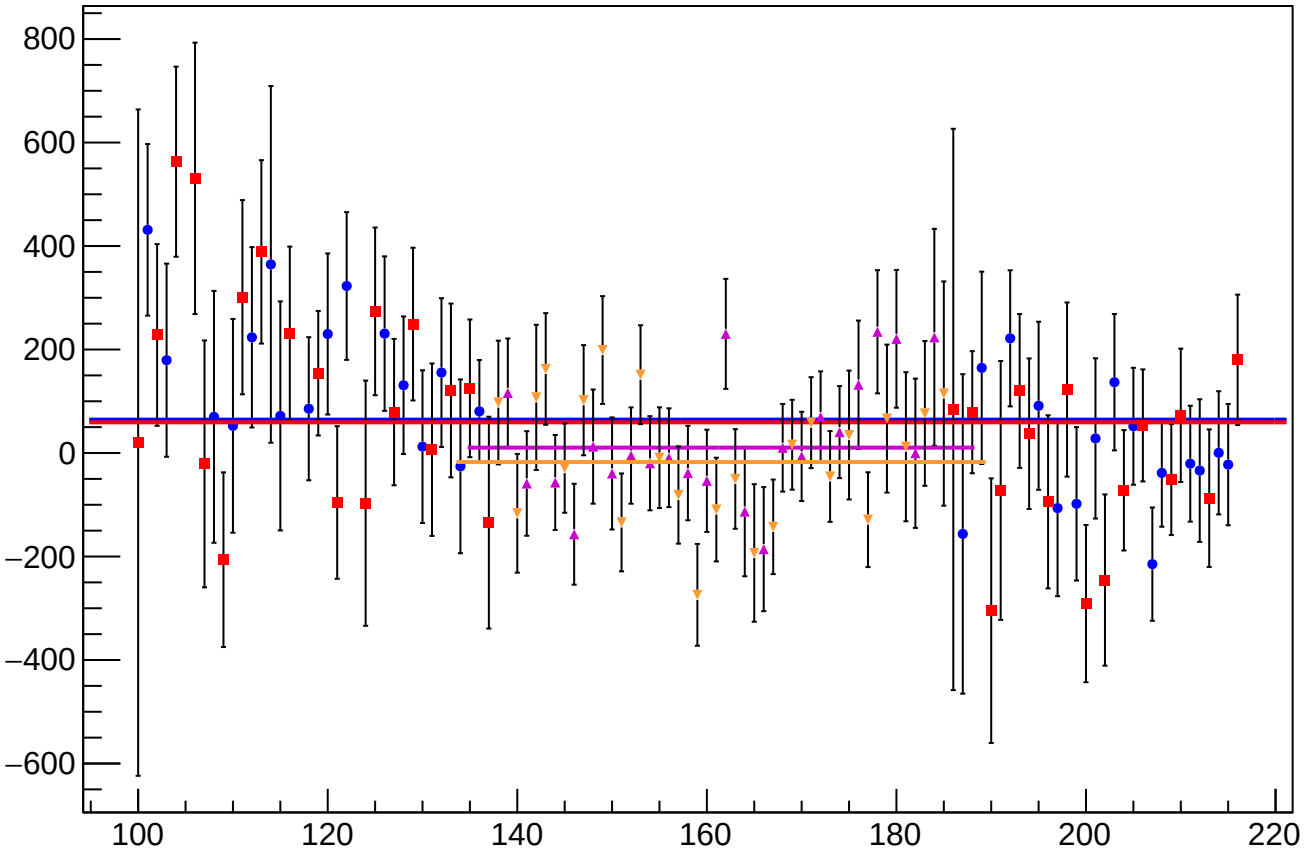
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1857.894+/-0.222 χ^2/NDF: 7521556.5/65

In: 1036.718+/-0.131 χ^2/NDF:12064850.4/53

Out: 1028.405+/-0.128 χ^2/NDF:13410801.7/59

All: 1032.476+/-0.092 χ^2/NDF: 25477710.9/1



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: 59.310+/-26.518 χ^2/NDF: 44.1/34

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

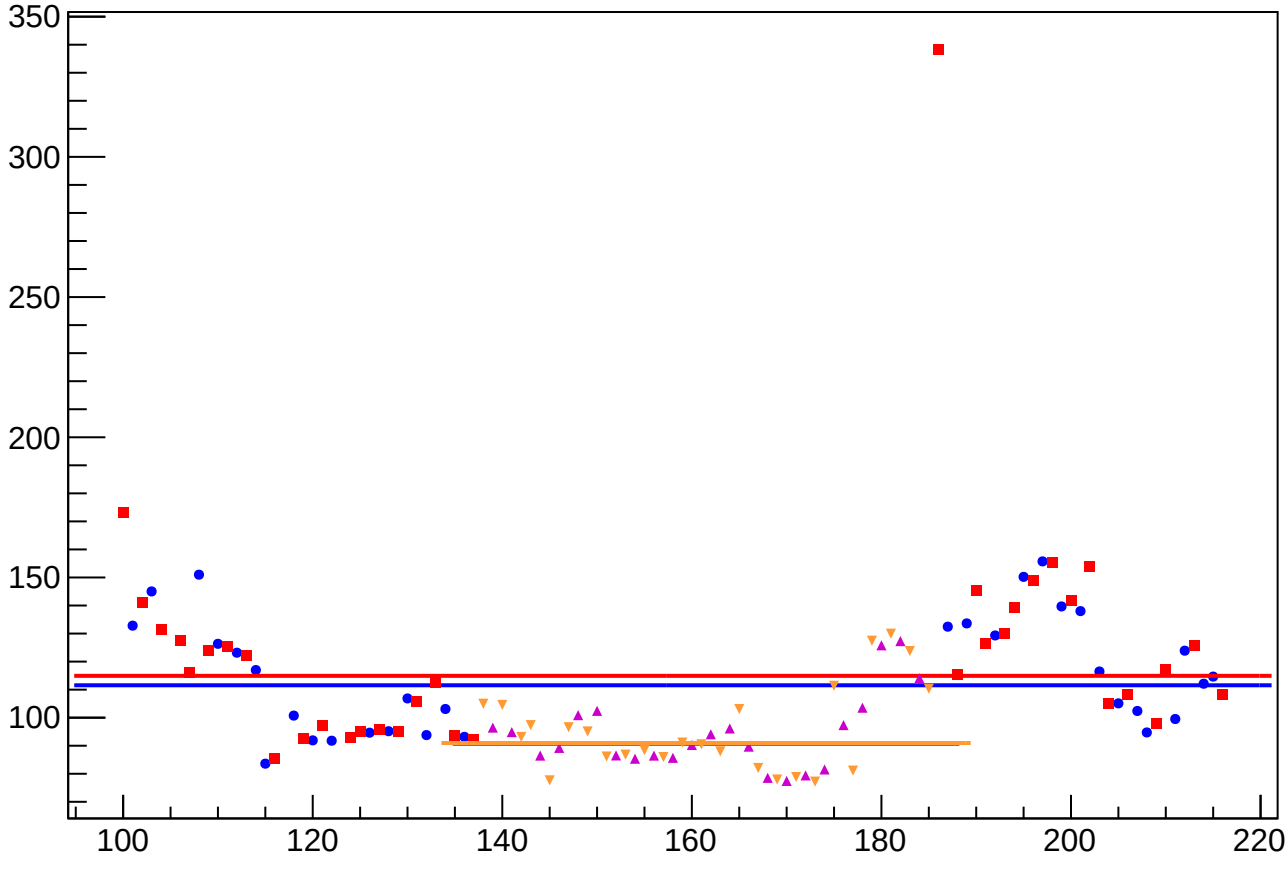
Right: 61.963+/-18.539 χ^2/NDF: 72.0/65

In: 32.453+/-16.552 χ^2/NDF:53.1/53

Out: 12.170+/-16.457 χ^2/NDF:80.4/59

All: 22.253+/-11.670 χ^2/NDF: 134.3/113

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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: 114.924+/-0.019 χ^2/NDF: 1369135.1/34

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

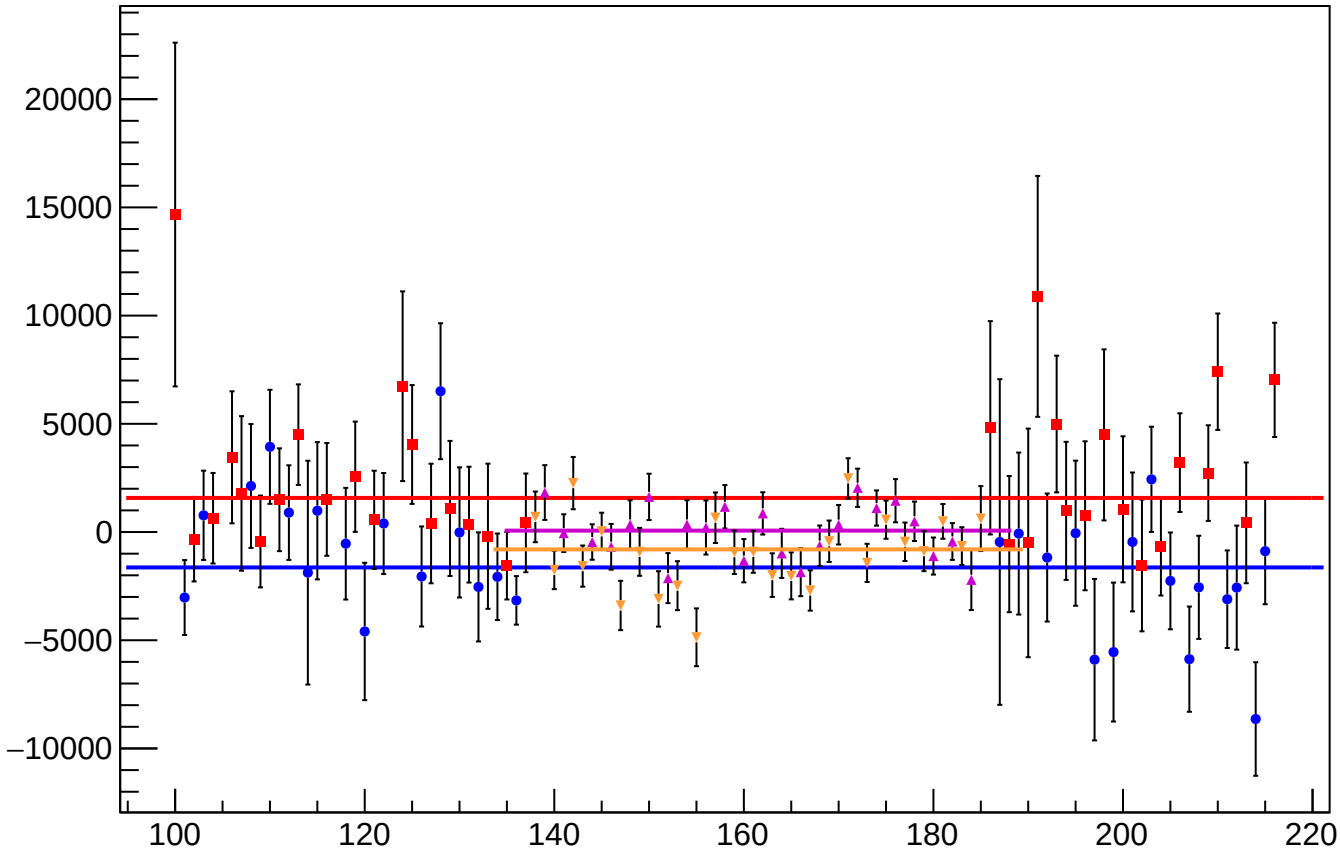
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 113.201+/-0.013 χ^2/NDF: 2400468.1/65

In: 99.192+/-0.012 χ^2/NDF:2328086.4/53

Out: 100.193+/-0.012 χ^2/NDF:3157397.3/59

All: 99.696+/-0.008 χ^2/NDF: 5489162.0/113



Right In: -1636.115+/-442.004 χ^2/NDF: 38.3/30

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1575.766+/-457.391 χ^2/NDF: 31.9/34

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

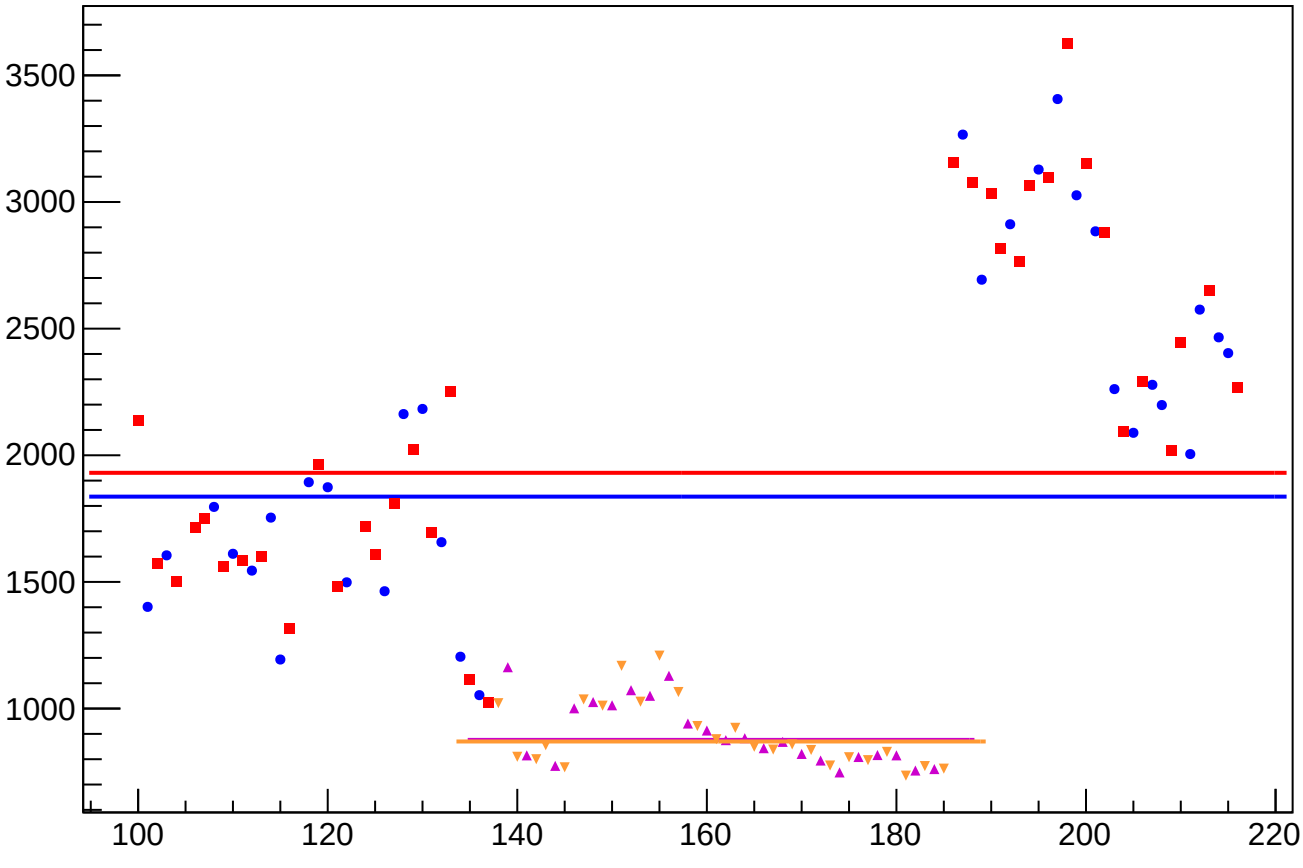
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -85.106+/-317.844 χ^2/NDF: 95.7/65

In: -240.025+/-187.221 χ^2/NDF:81.2/53

Out: -421.270+/-183.133 χ^2/NDF:112.9/59

All: -332.648+/-130.916 χ^2/NDF: 194.6/113



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: 1930.760+/-0.323 χ^2/NDF: 3708944.4/34

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

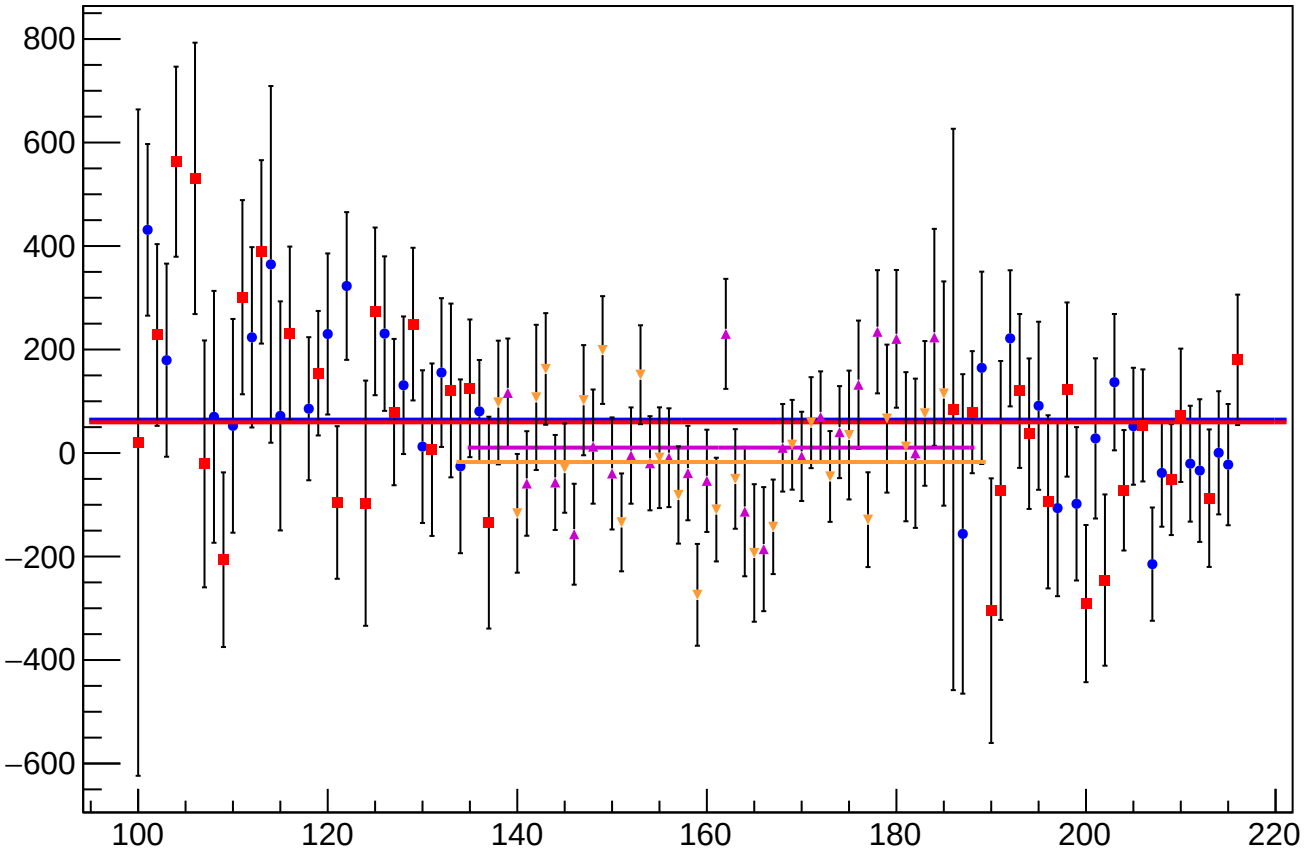
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1882.149+/-0.225 χ^2/NDF: 7512626.0/65

In: 1048.597+/-0.132 χ^2/NDF:12106784.6/53

Out: 1040.057+/-0.129 χ^2/NDF:13388606.7/59

All: 1044.233+/-0.093 χ^2/NDF: 25497518.1/1



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: 59.309+/-26.518 χ^2/NDF: 44.1/34

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

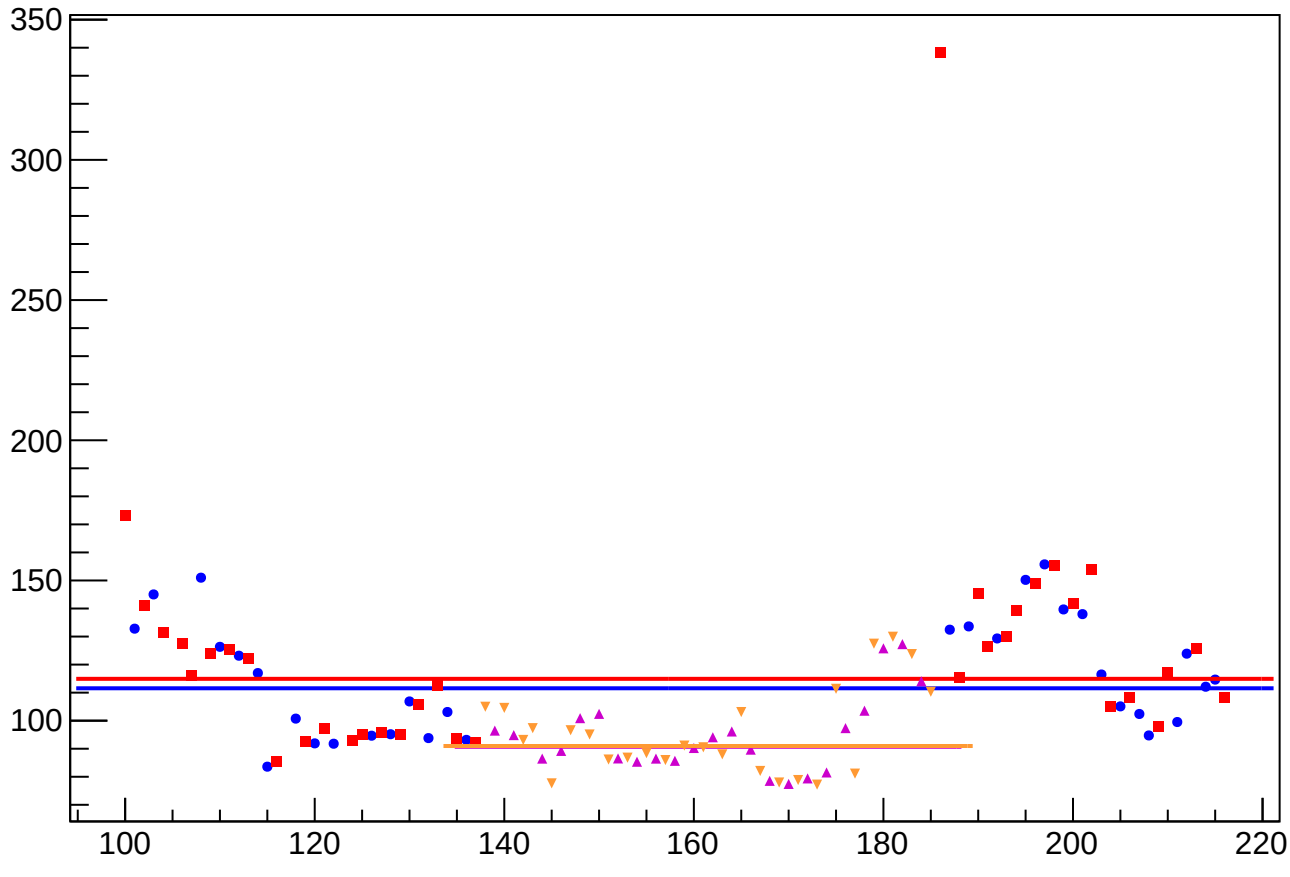
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 61.964+/-18.539 χ^2/NDF: 72.0/65

In: 32.454+/-16.552 χ^2/NDF:53.1/53

Out: 12.169+/-16.457 χ^2/NDF:80.4/59

All: 22.253+/-11.670 χ^2/NDF: 134.3/113



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: 114.924+/-0.019 χ^2/NDF: 1369152.6/34

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

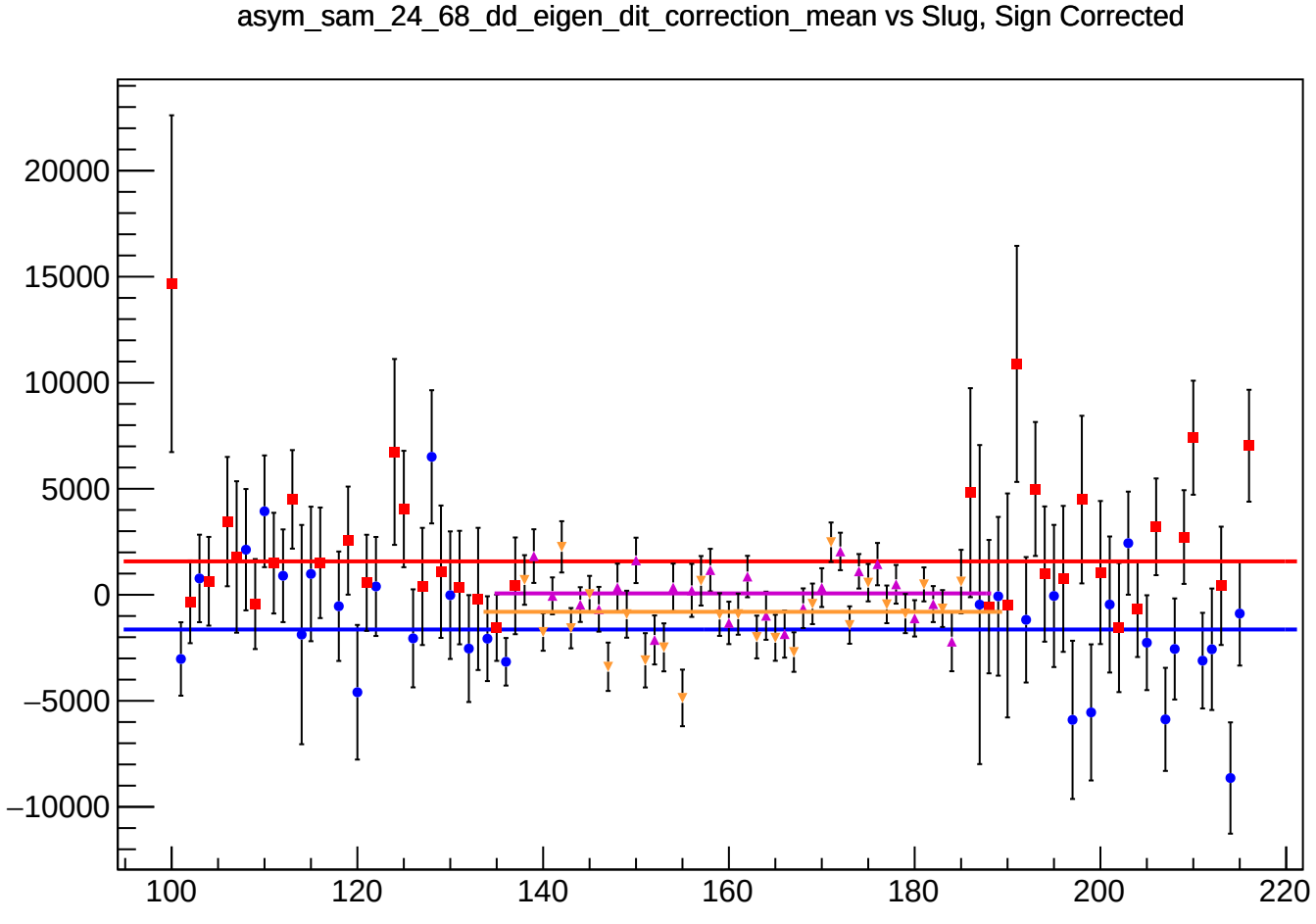
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 113.201+/-0.013 χ^2/NDF: 2400501.7/65

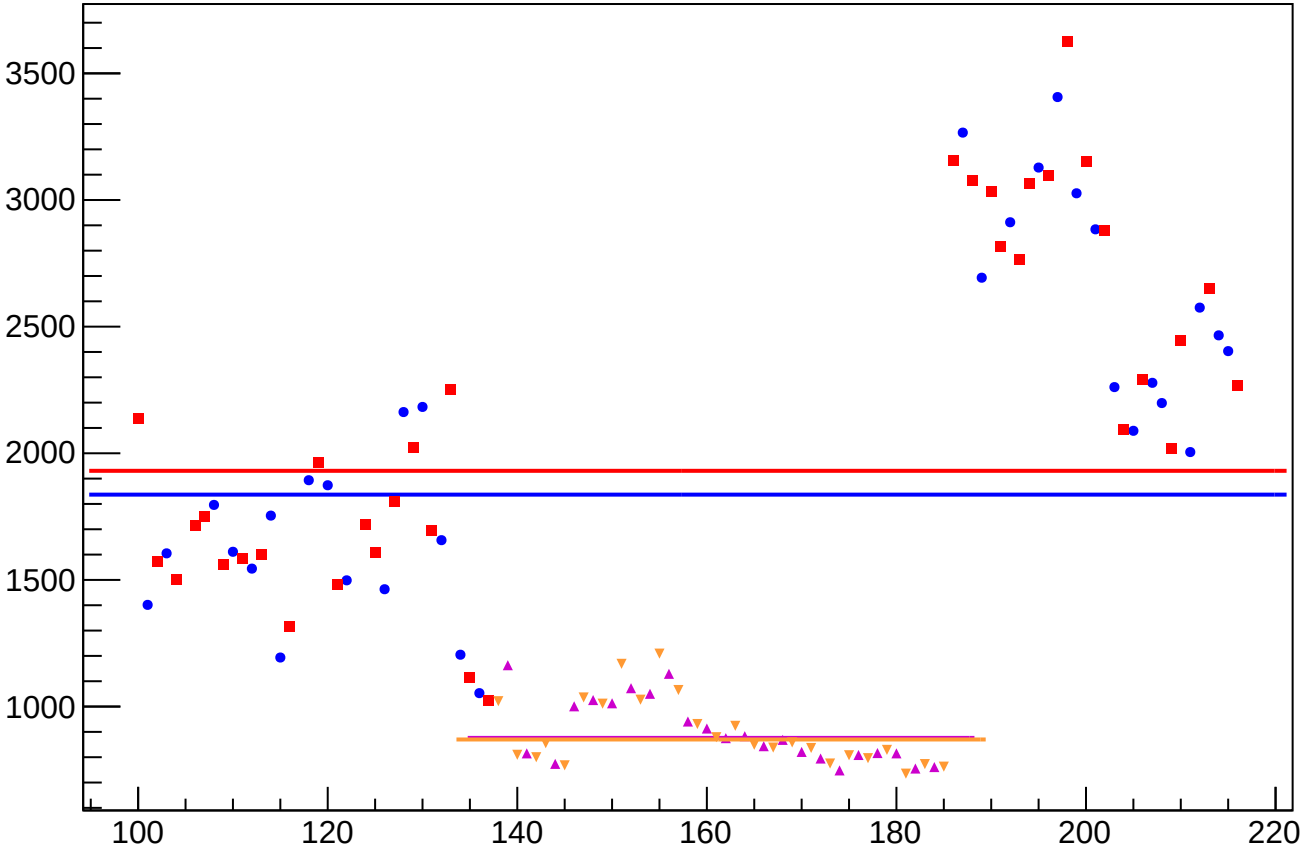
In: 99.192+/-0.012 χ^2/NDF:2328058.3/53

Out: 100.193+/-0.012 χ^2/NDF:3157384.1/59

All: 99.696+/-0.008 χ^2/NDF: 5489121.9/113


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: 1575.763+/-457.390 χ²/NDF: 31.9/34
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -85.105+/-317.844 χ²/NDF: 95.7/65
In: -240.025+/-187.221 χ²/NDF:81.2/53
Out: -421.269+/-183.133 χ²/NDF:112.9/59
All: -332.648+/-130.916 χ²/NDF: 194.6/113

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1930.757+/-0.323 χ^2/NDF: 3708958.3/34

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

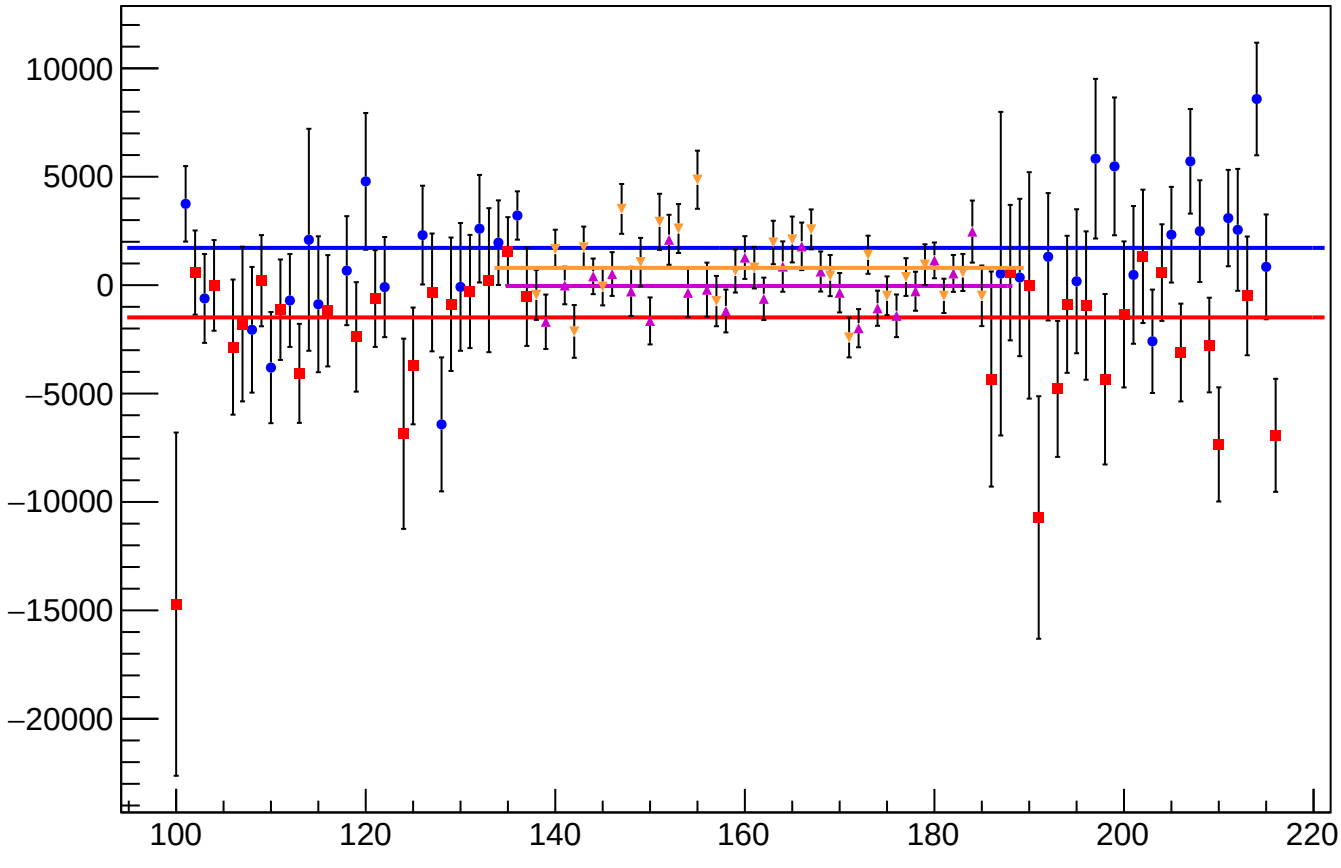
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1882.146+/-0.225 χ^2/NDF: 7512648.9/65

In: 1048.596+/-0.132 χ^2/NDF:12106784.4/53

Out: 1040.056+/-0.129 χ^2/NDF:13388607.8/59

All: 1044.232+/-0.093 χ^2/NDF: 25497519.0/1



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: -1487.657+/-453.403 χ^2/NDF: 31.0/34

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

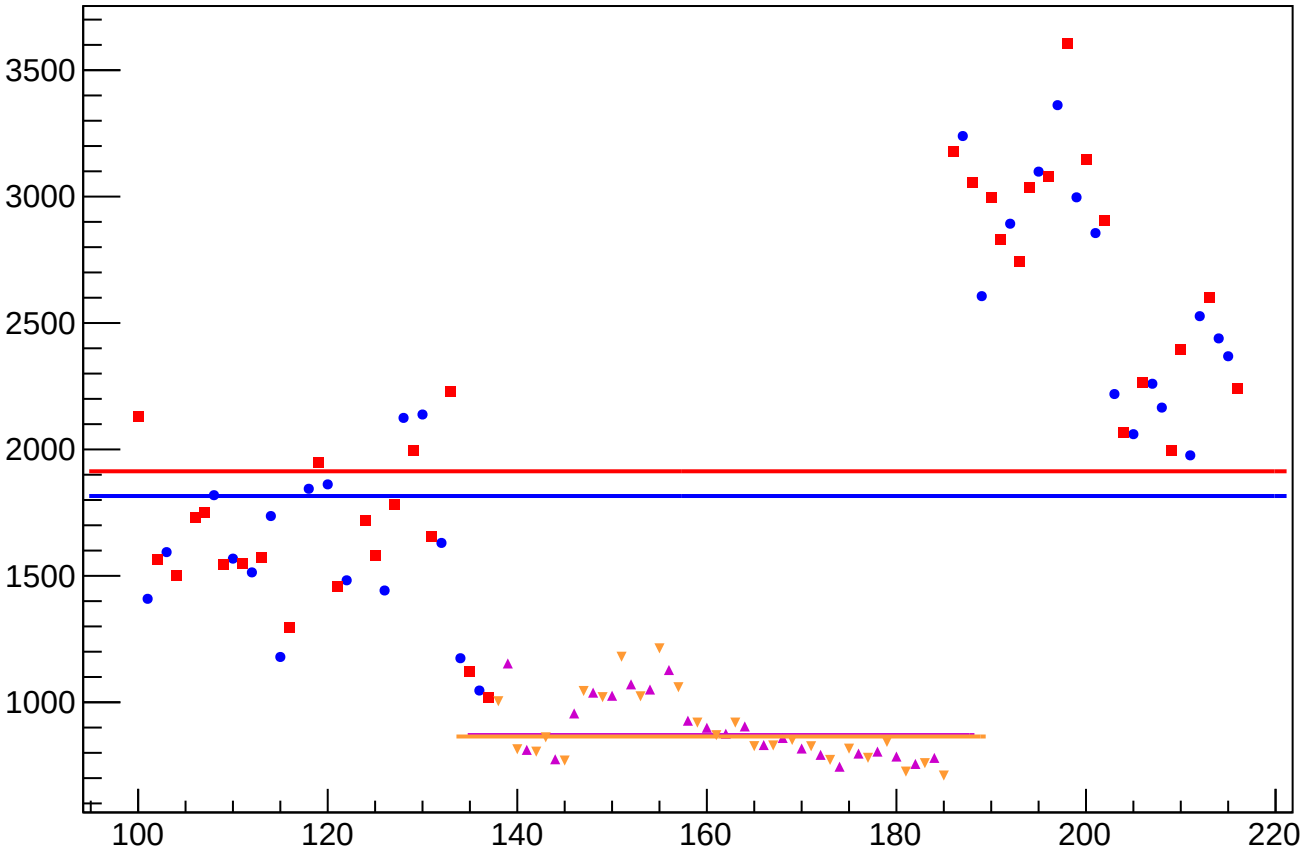
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 174.900+/-314.587 χ^2/NDF: 95.9/65

In: 278.412+/-185.841 χ^2/NDF:82.0/53

Out: 427.997+/-182.069 χ^2/NDF:109.4/59

All: 354.738+/-130.055 χ^2/NDF: 191.7/113



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: 1913.554+/-0.321 χ^2/NDF: 3704765.1/34

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

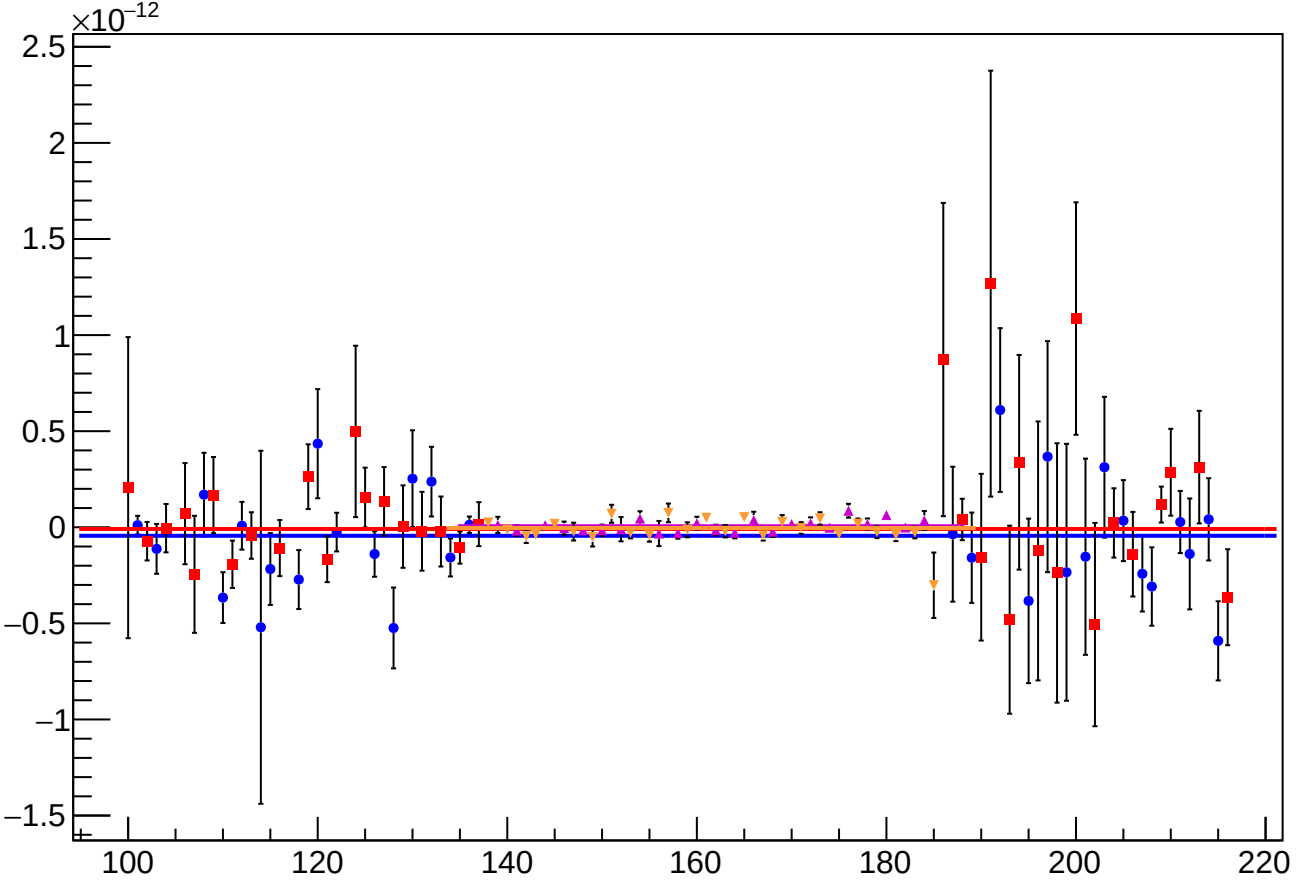
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1862.855+/-0.222 χ^2/NDF: 7476601.5/65

In: 1041.452+/-0.131 χ^2/NDF:12000756.8/53

Out: 1033.776+/-0.129 χ^2/NDF:13371622.3/59

All: 1037.535+/-0.092 χ^2/NDF: 25374119.8/1



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: 29.1/34

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

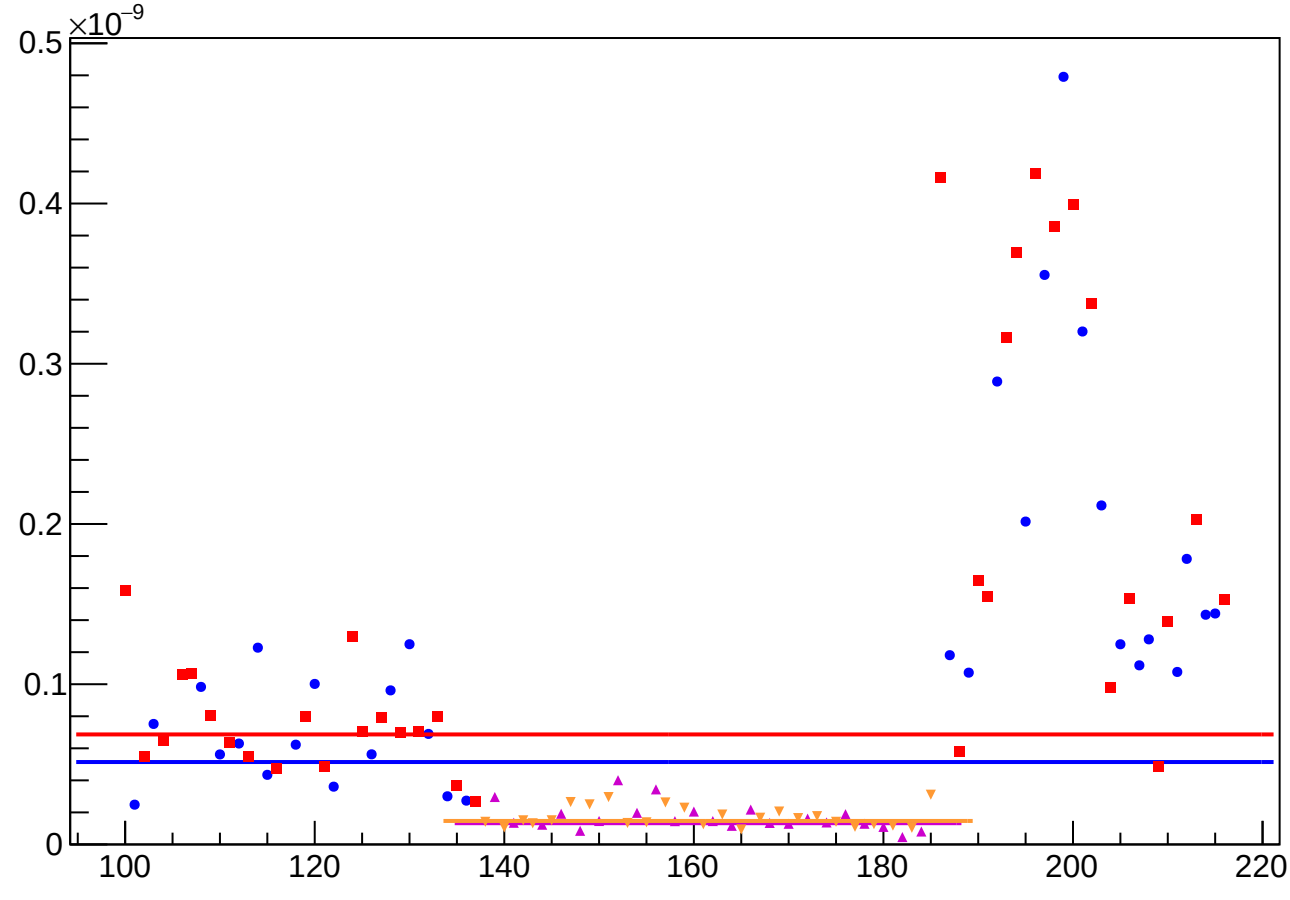
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 72.7/65

In: 0.000+/-0.000 χ^2/NDF:67.5/53

Out: -0.000+/-0.000 χ^2/NDF:67.9/59

All: -0.000+/-0.000 χ^2/NDF: 136.1/113



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: 5863256.1/34

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

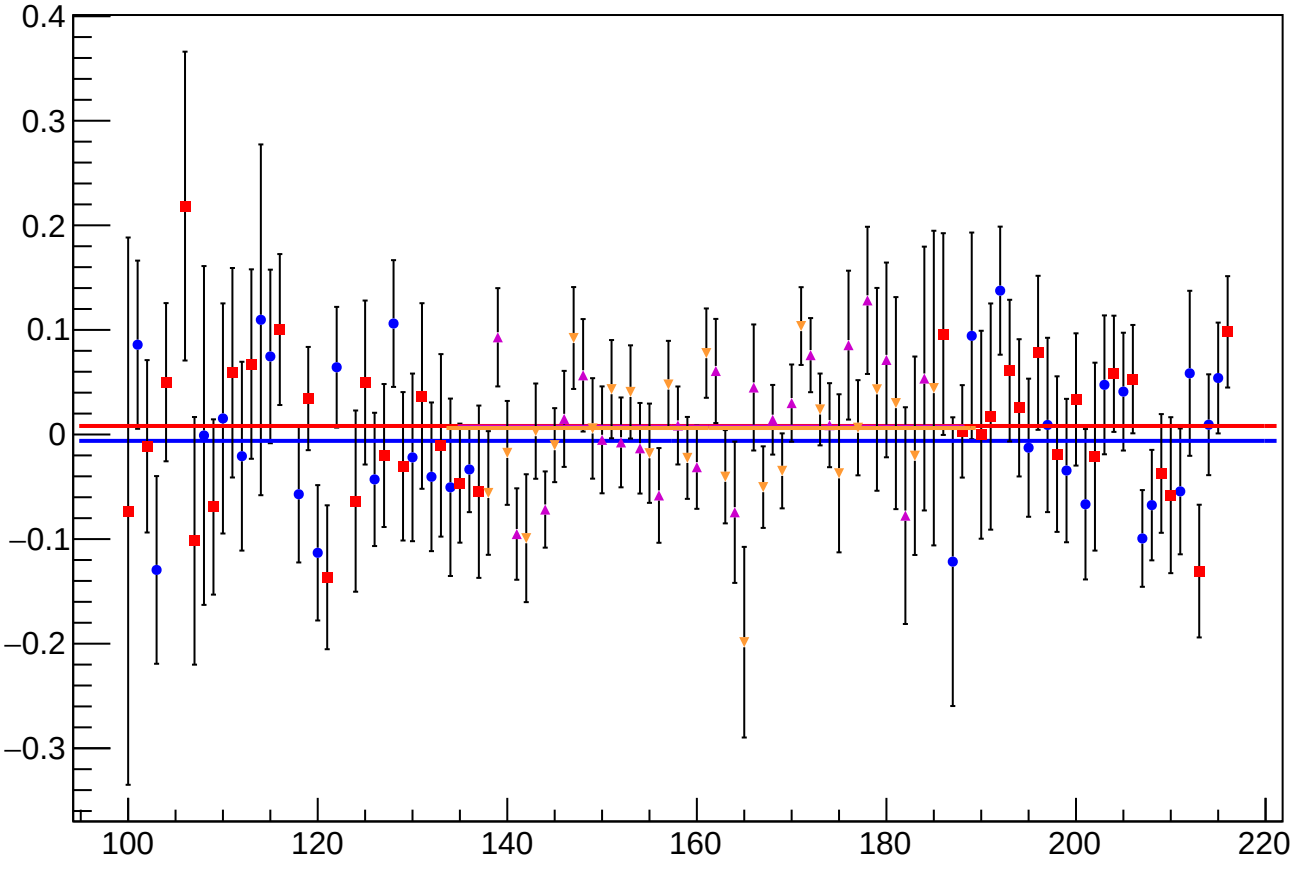
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13643084.1/65

In: 0.000+/-0.000 χ^2/NDF:14288638.4/53

Out: 0.000+/-0.000 χ^2/NDF:13649205.3/59

All: 0.000+/-0.000 χ^2/NDF: 27986570.3/113



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: 0.008+/-0.012 χ^2/NDF: 27.8/34

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

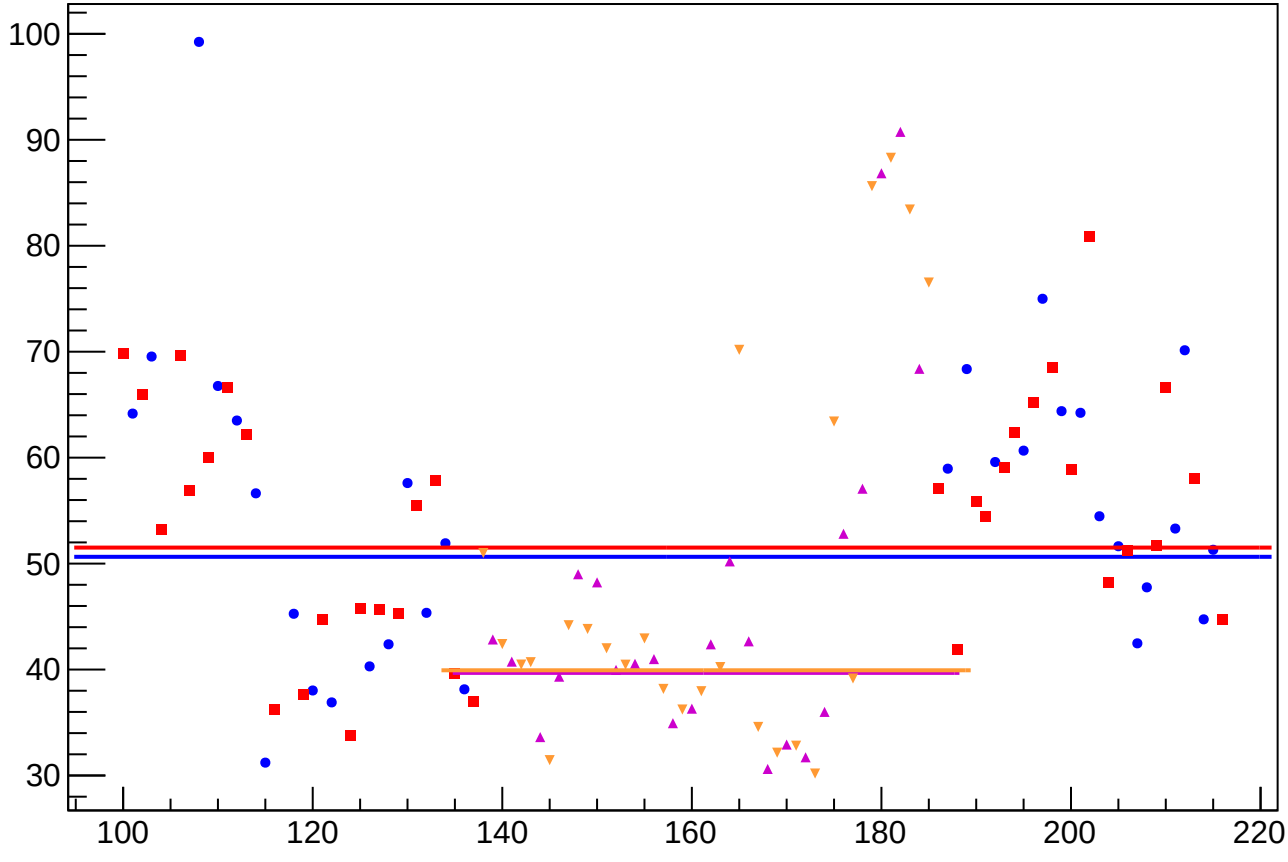
Right: 0.001+/-0.009 χ^2/NDF: 60.4/65

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.007+/-0.008 χ^2/NDF:58.6/59

All: 0.005+/-0.005 χ^2/NDF: 121.9/113

asym_sam_24_68_dd_dit_vs_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: 51.512+/-0.009 χ^2/NDF: 1498172.1/34

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

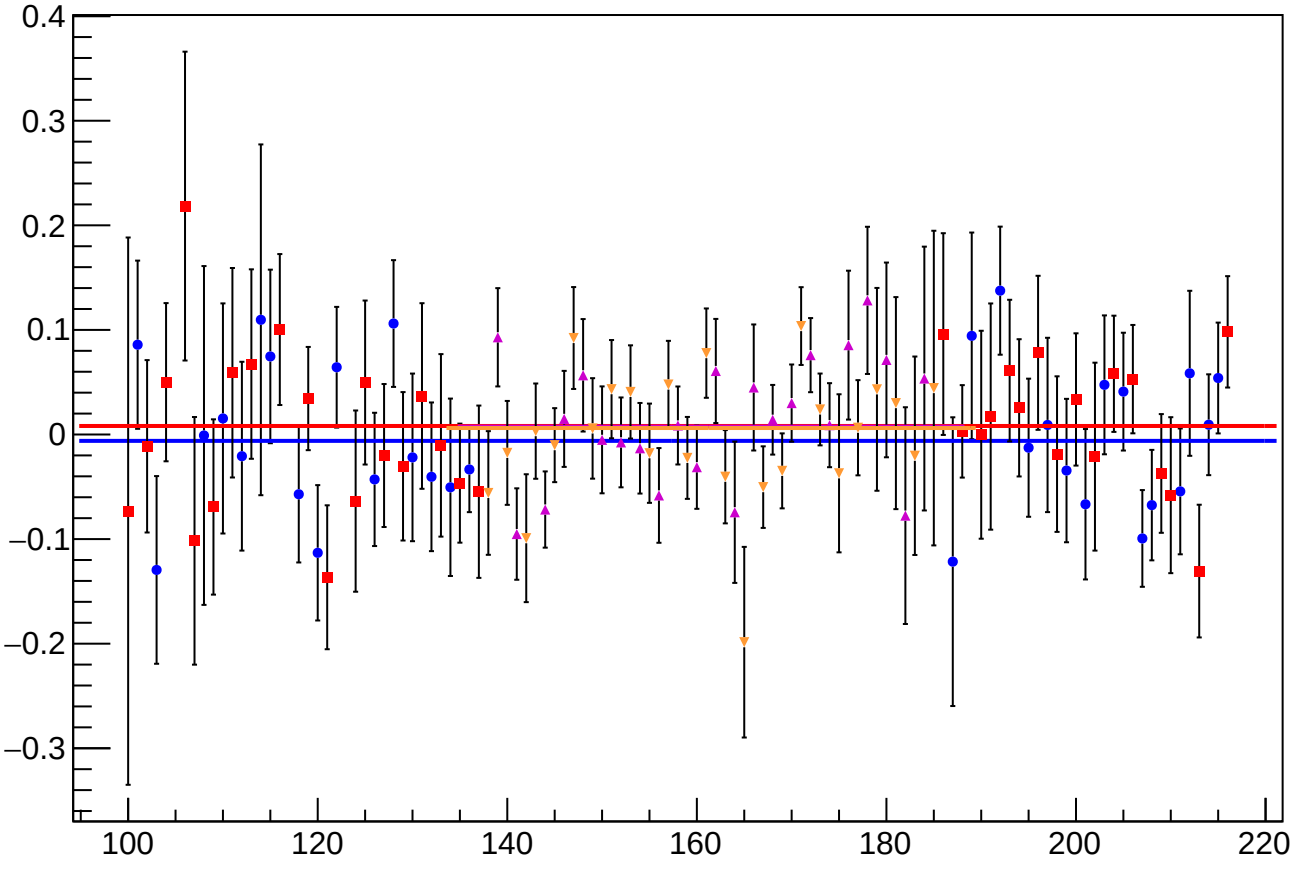
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.075+/-0.006 χ^2/NDF: 3246758.4/65

In: 44.031+/-0.005 χ^2/NDF:4655691.1/53

Out: 44.391+/-0.005 χ^2/NDF:5101529.0/59

All: 44.213+/-0.004 χ^2/NDF: 9759492.3/113



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: 0.008+/-0.012 χ^2/NDF: 27.8/34

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

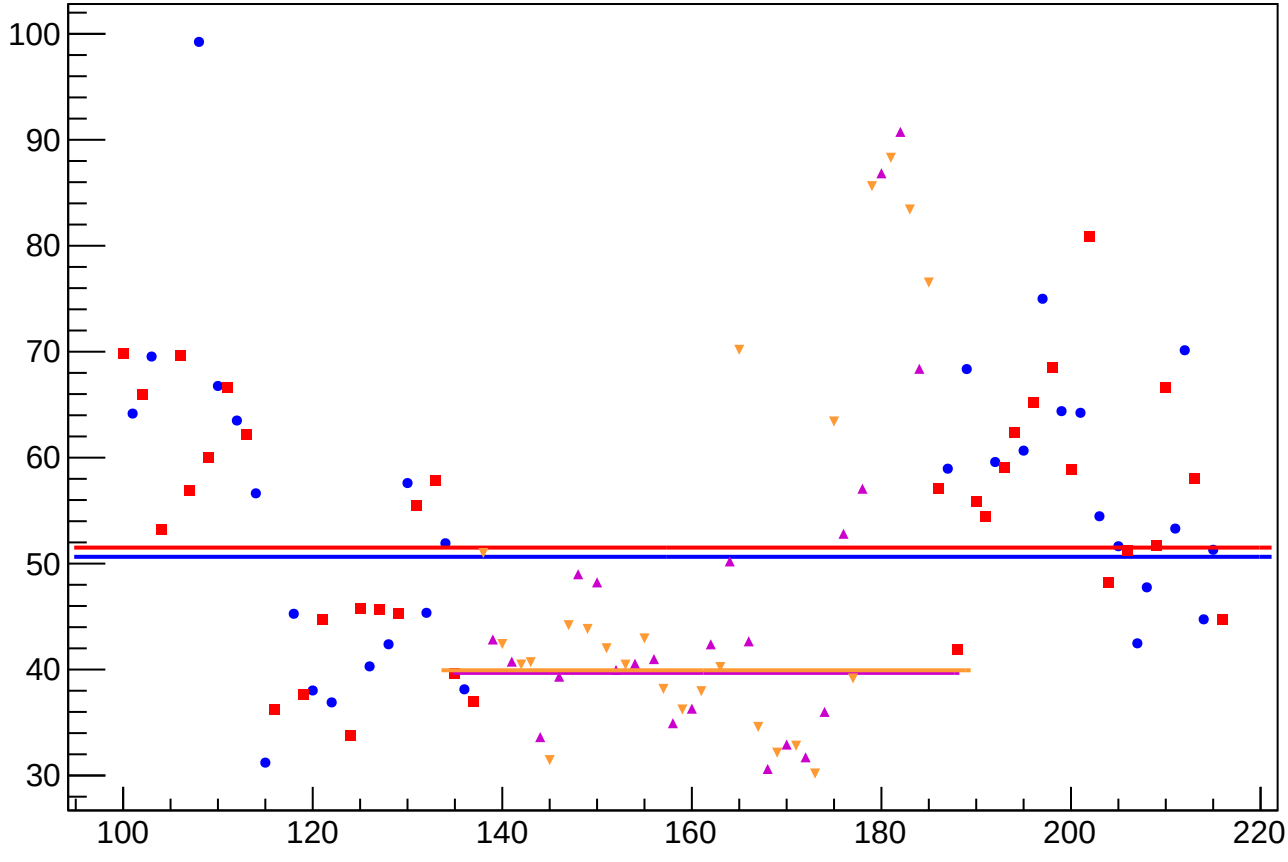
Right: 0.001+/-0.009 χ^2/NDF: 60.4/65

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.007+/-0.008 χ^2/NDF:58.6/59

All: 0.005+/-0.005 χ^2/NDF: 121.9/113

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: 51.512+/-0.009 χ^2/NDF: 1498172.1/34

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

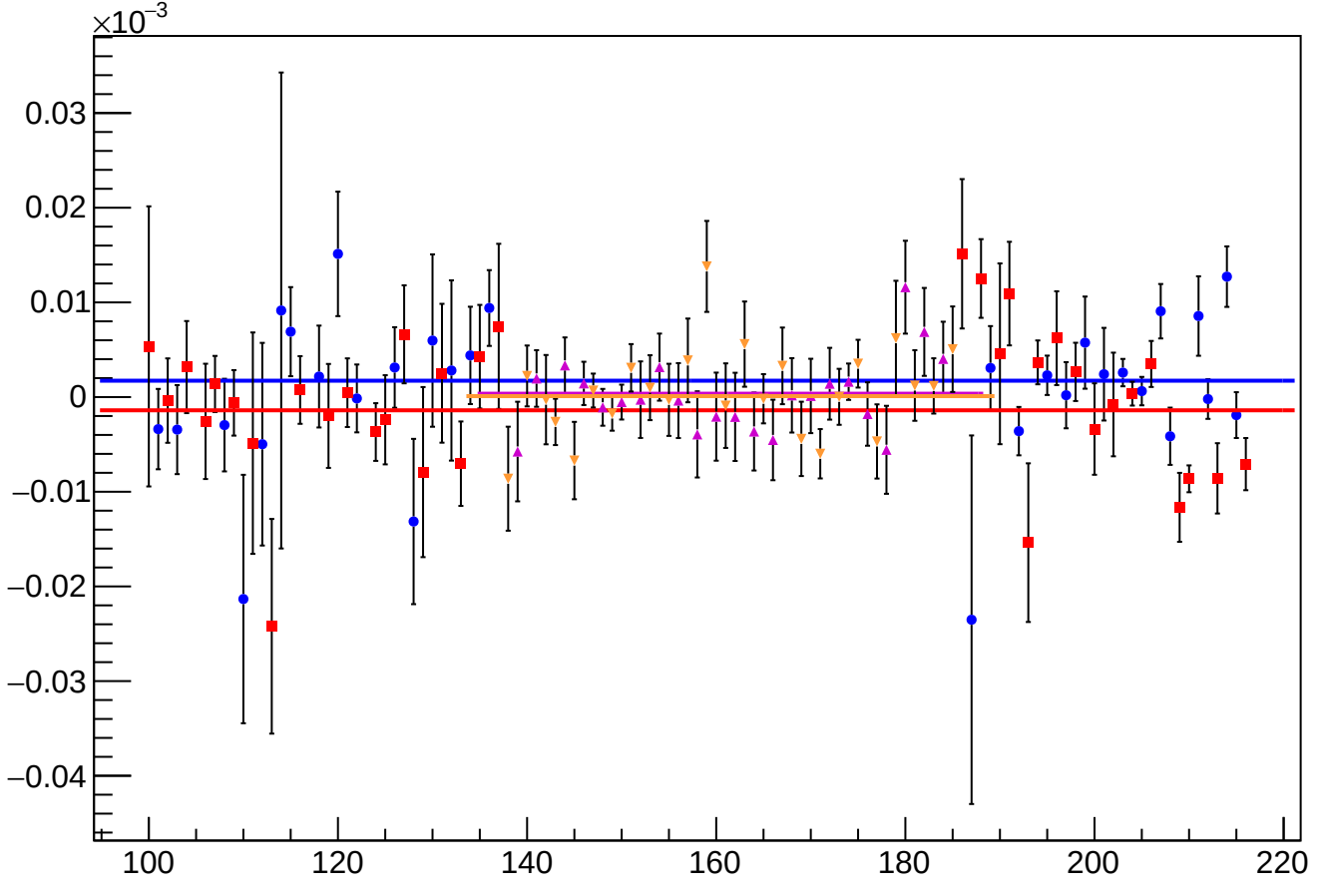
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.075+/-0.006 χ^2/NDF: 3246758.4/65

In: 44.031+/-0.005 χ^2/NDF:4655691.1/53

Out: 44.391+/-0.005 χ^2/NDF:5101529.0/59

All: 44.213+/-0.004 χ^2/NDF: 9759492.3/113



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: 95.3/34

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

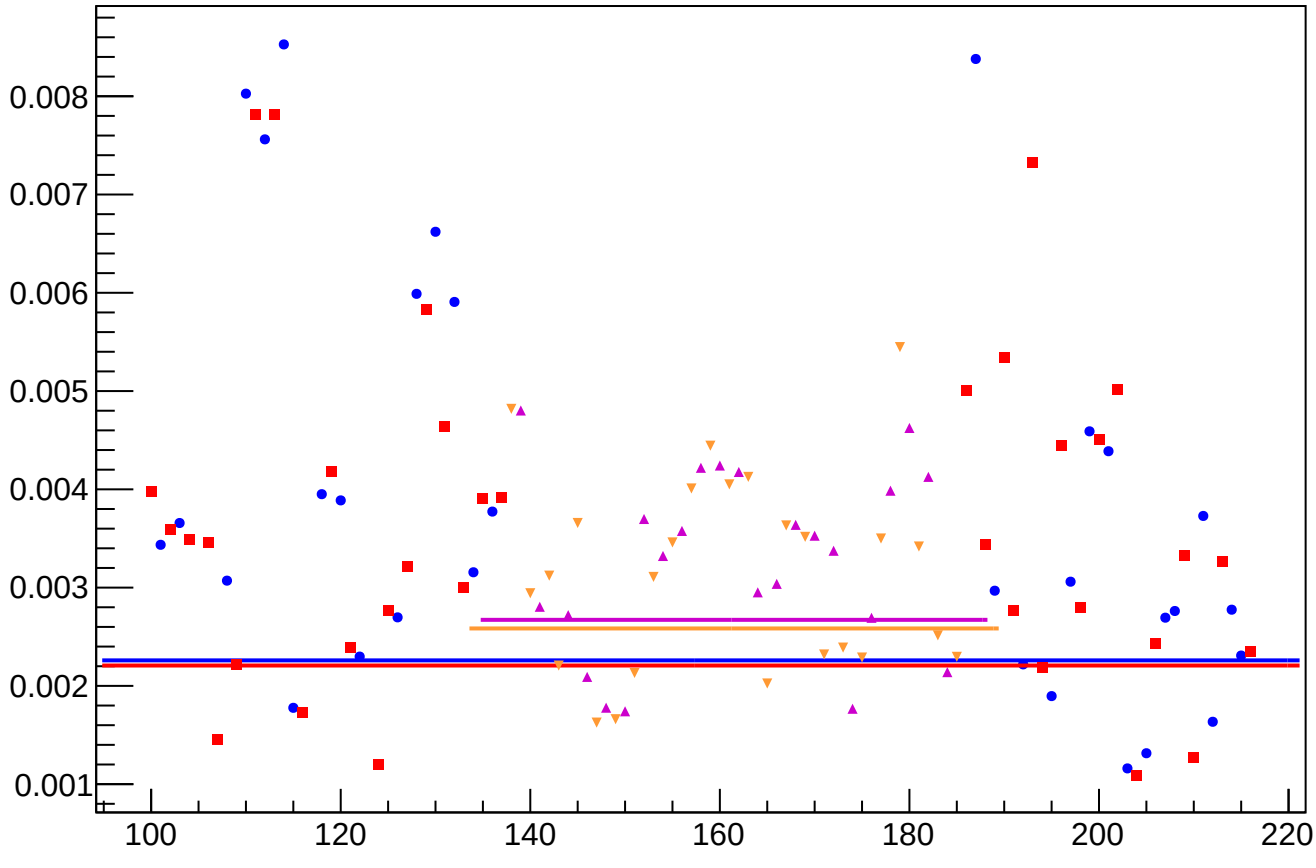
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 165.3/65

In: 0.000+/-0.000 χ^2/NDF:76.9/53

Out: -0.000+/-0.000 χ^2/NDF:131.6/59

All: 0.000+/-0.000 χ^2/NDF: 217.3/113



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: 8740685.5/34

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

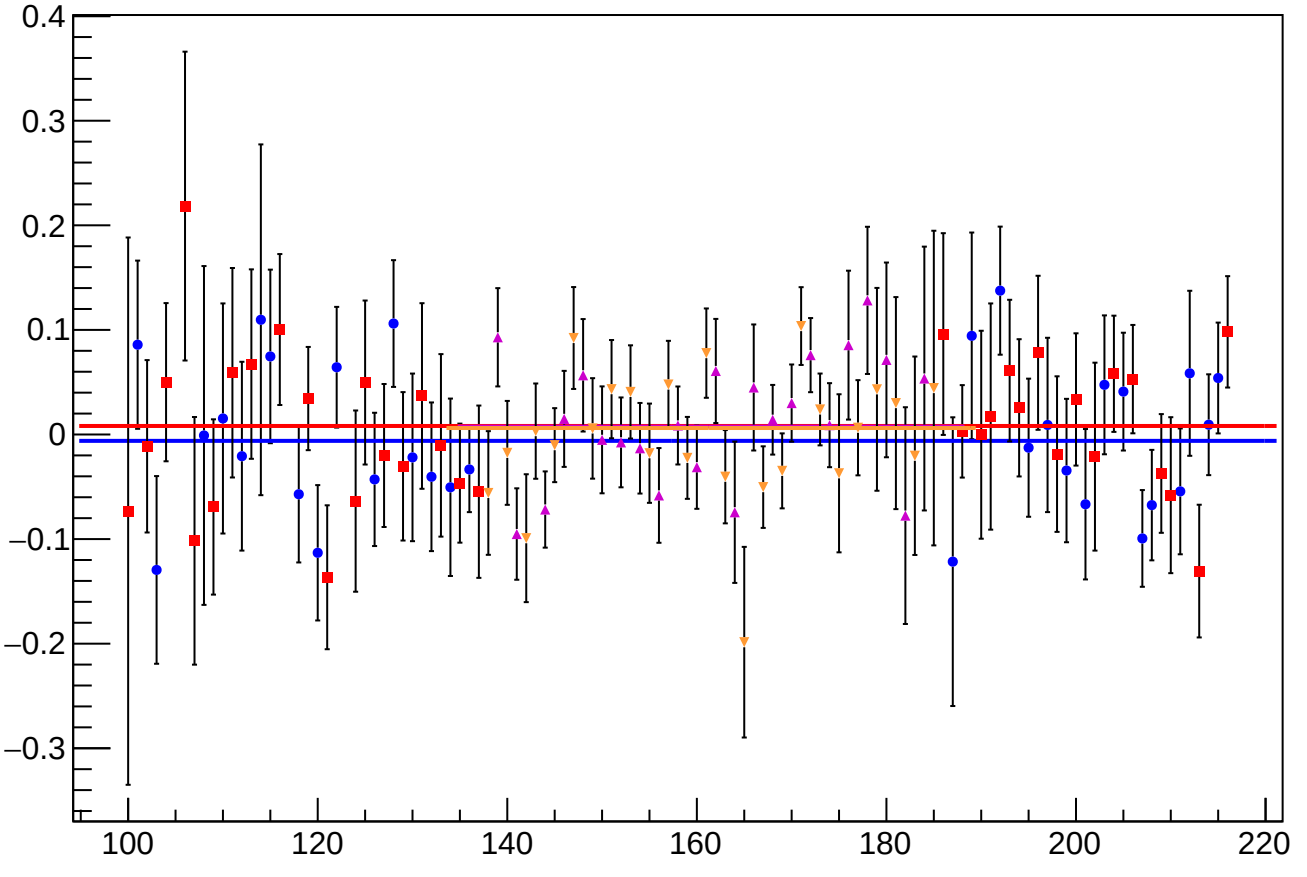
Right: 0.002+/-0.000 χ^2/NDF: 15743153.0/65

In: 0.002+/-0.000 χ^2/NDF:11245503.2/53

Out: 0.002+/-0.000 χ^2/NDF:13022898.6/59

All: 0.002+/-0.000 χ^2/NDF: 24286944.0/113

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: 0.008+/-0.012 χ^2/NDF: 27.8/34

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

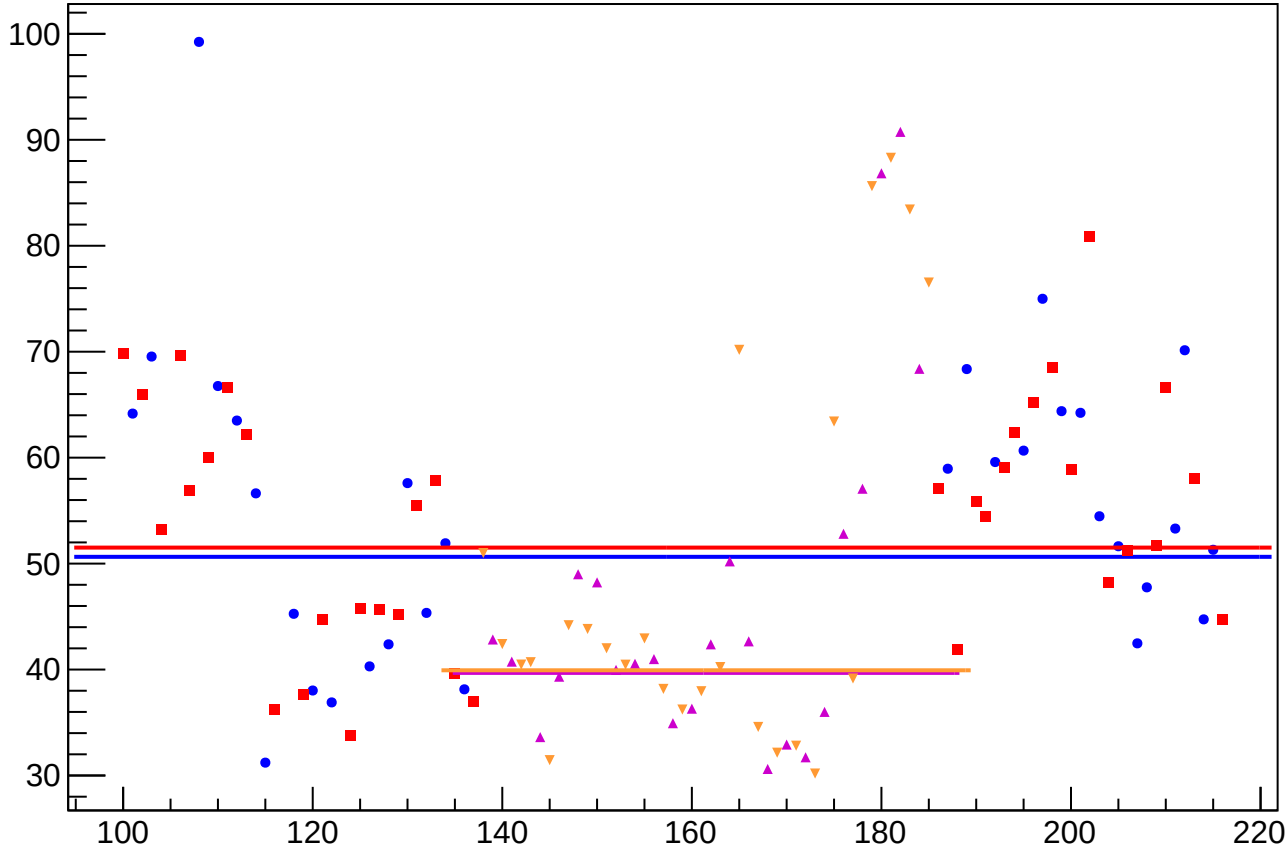
Right: 0.001+/-0.009 χ^2/NDF: 60.4/65

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.007+/-0.008 χ^2/NDF:58.6/59

All: 0.005+/-0.005 χ^2/NDF: 121.9/113

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: 51.511+/-0.009 χ^2/NDF: 1498201.6/34

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

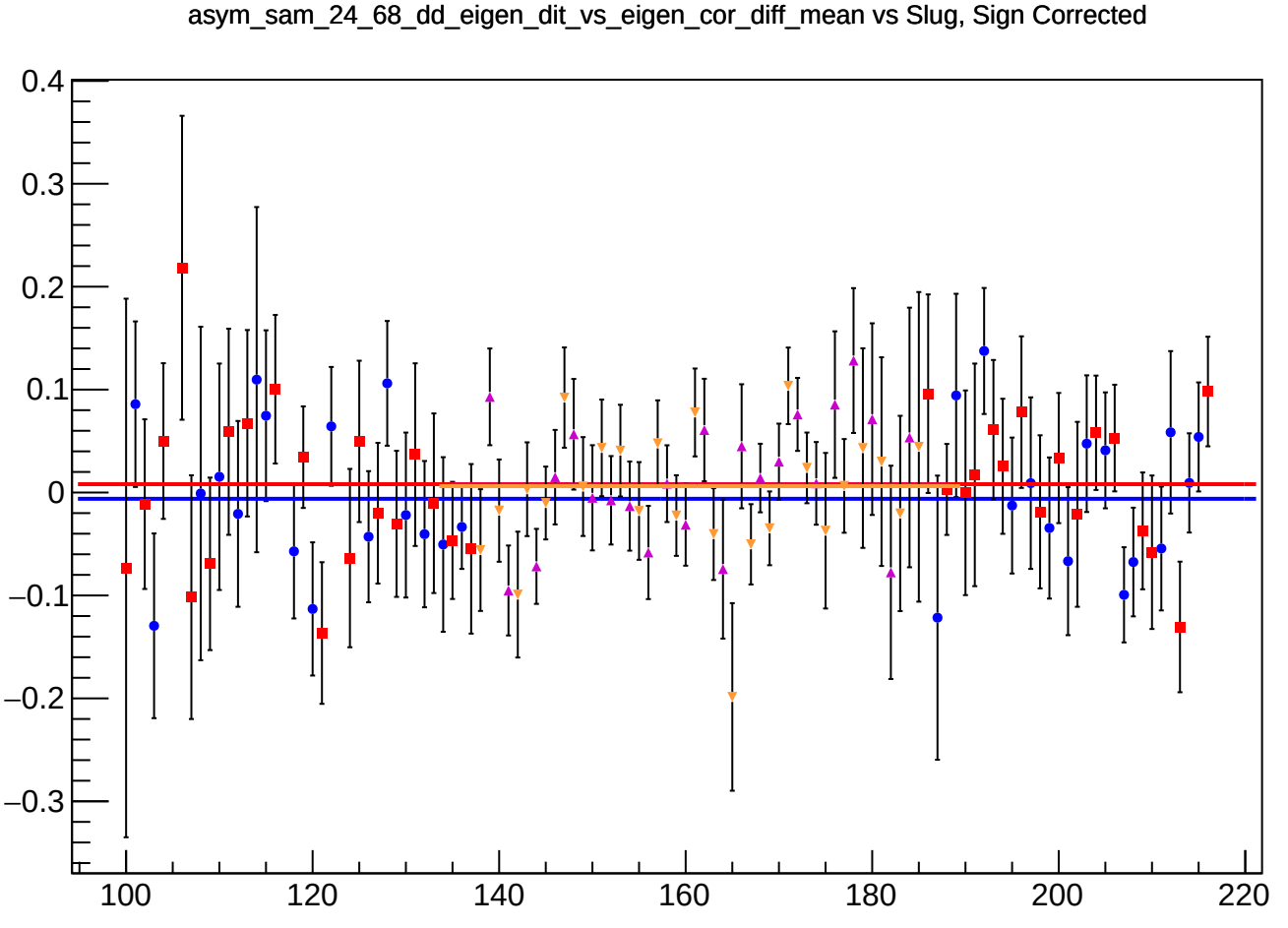
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.074+/-0.006 χ^2/NDF: 3246872.3/65

In: 44.031+/-0.005 χ^2/NDF:4655662.9/53

Out: 44.391+/-0.005 χ^2/NDF:5101476.6/59

All: 44.213+/-0.004 χ^2/NDF: 9759416.3/113



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: 0.008+/-0.012 χ^2/NDF: 27.8/34

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

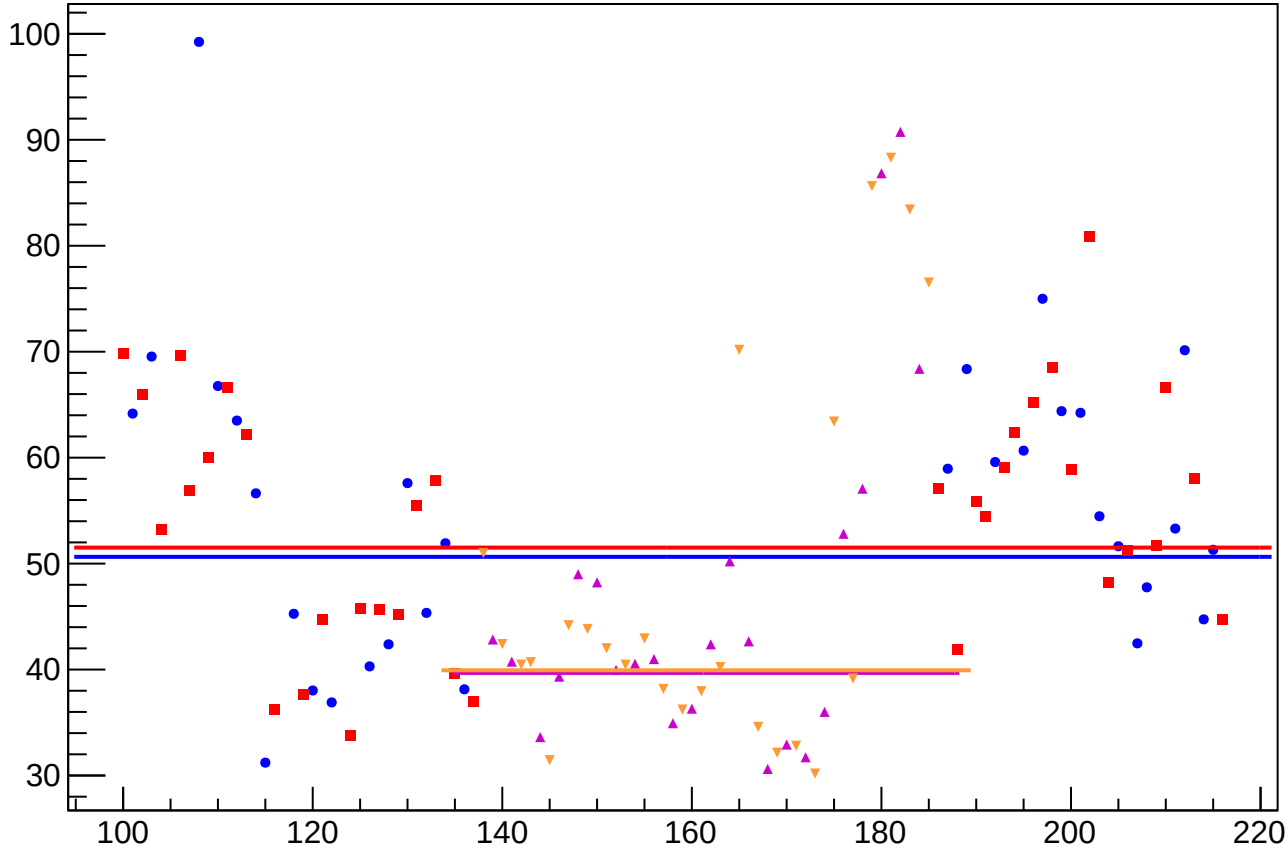
Right: 0.001+/-0.009 χ^2/NDF: 60.4/65

In: 0.002+/-0.008 χ^2/NDF:63.1/53

Out: 0.007+/-0.008 χ^2/NDF:58.6/59

All: 0.005+/-0.005 χ^2/NDF: 121.9/113

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: 51.511+/-0.009 χ^2/NDF: 1498201.6/34

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

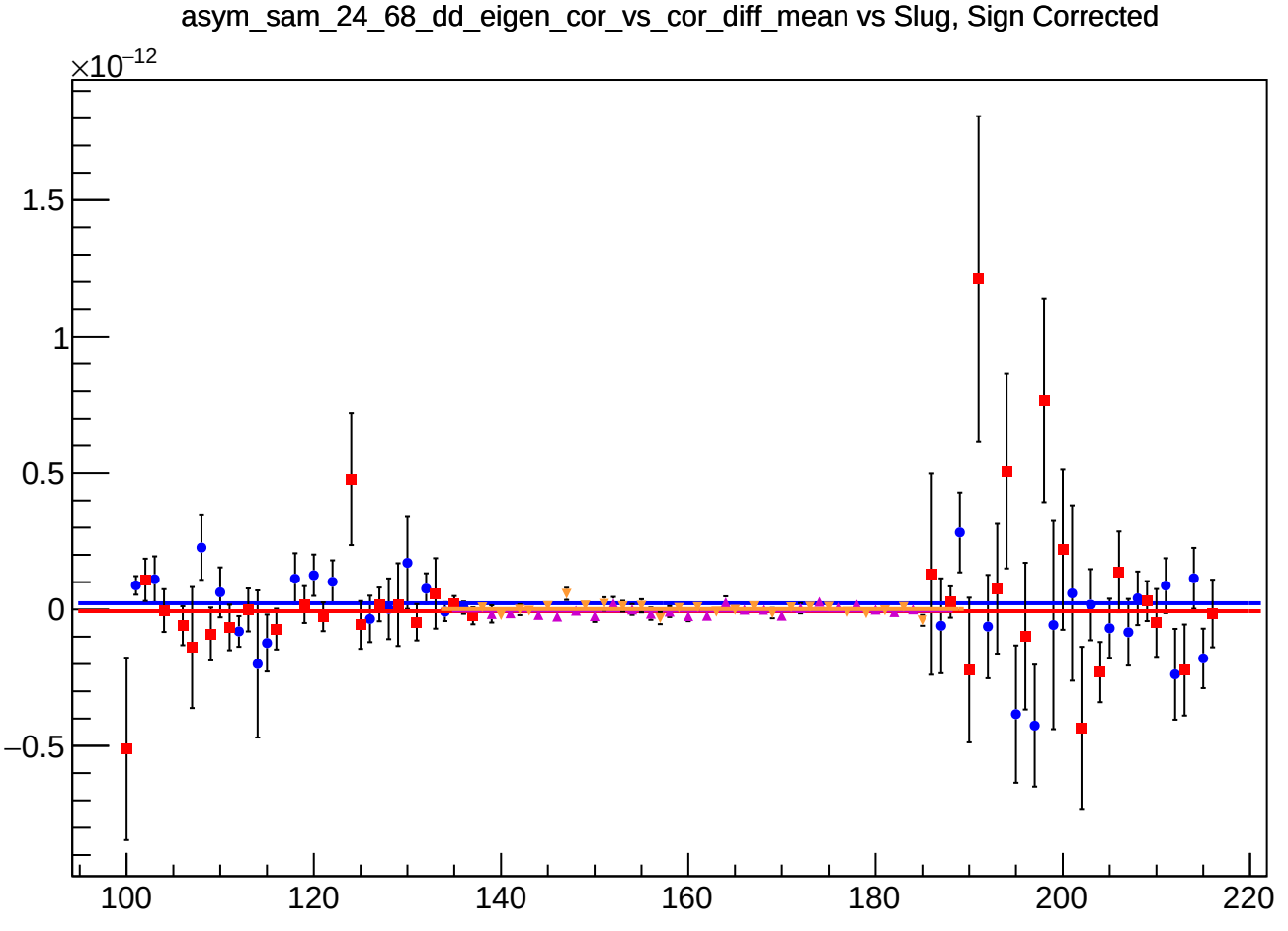
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.074+/-0.006 χ^2/NDF: 3246872.3/65

In: 44.031+/-0.005 χ^2/NDF:4655662.9/53

Out: 44.391+/-0.005 χ^2/NDF:5101476.6/59

All: 44.213+/-0.004 χ^2/NDF: 9759416.3/113



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: 35.9/34

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

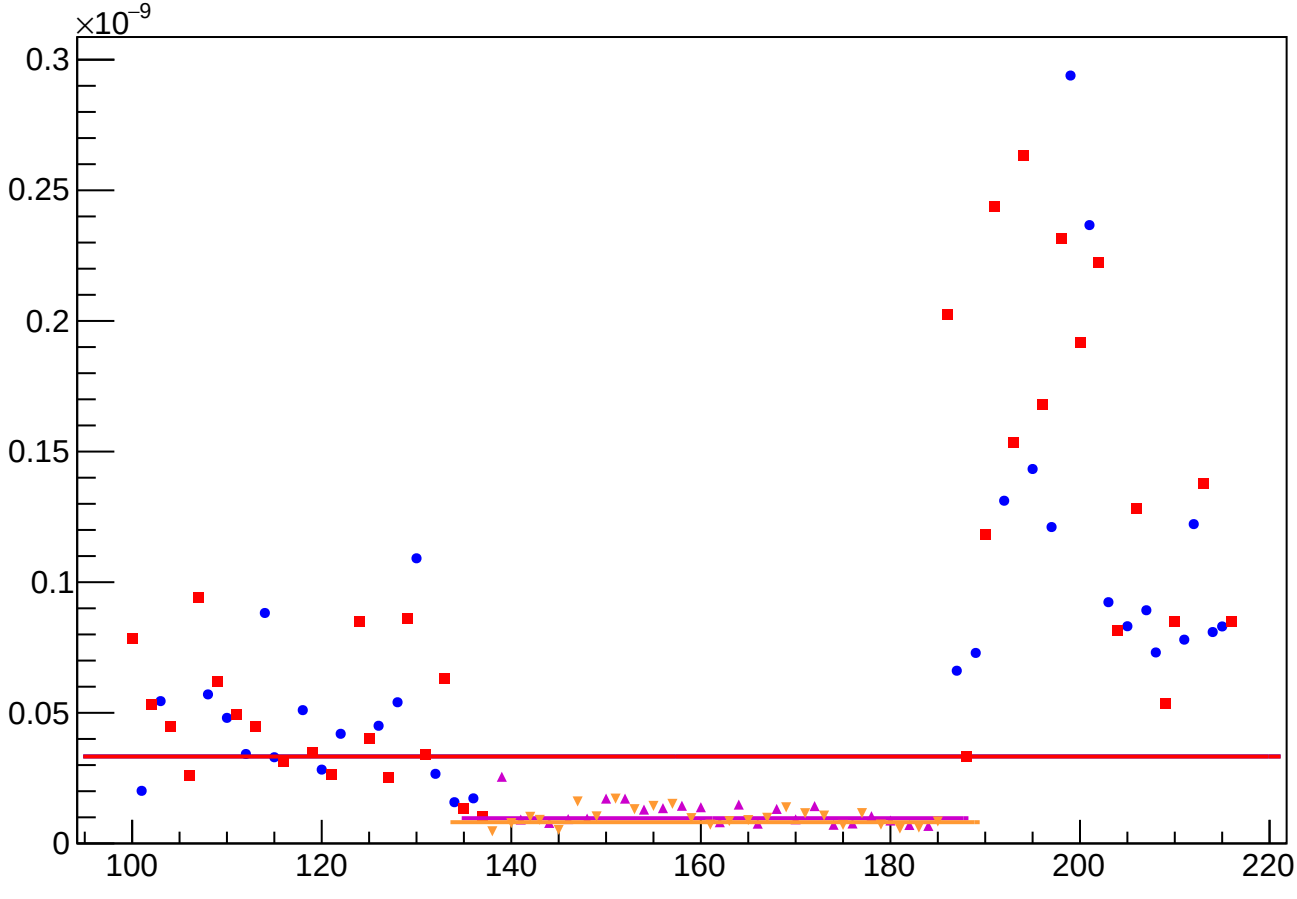
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 78.3/65

In: -0.000+/-0.000 χ^2/NDF:71.6/53

Out: 0.000+/-0.000 χ^2/NDF:64.2/59

All: -0.000+/-0.000 χ^2/NDF: 136.9/113



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: 10866867.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

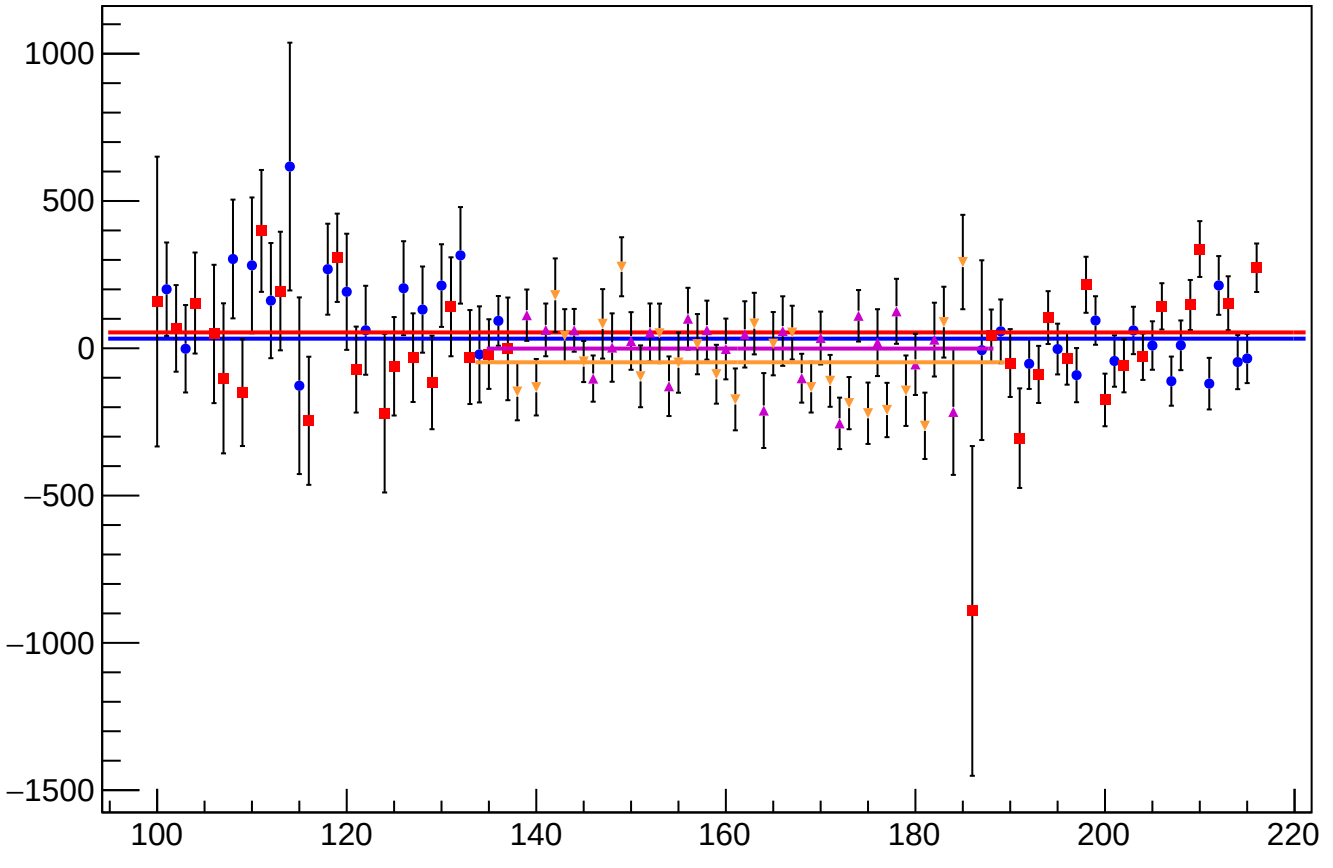
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 20216524.9/65

In: 0.000+/-0.000 χ^2/NDF:18063116.0/53

Out: 0.000+/-0.000 χ^2/NDF:20203331.8/59

All: 0.000+/-0.000 χ^2/NDF: 38737627.7/113



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: 53.862+/-20.329 χ^2/NDF: 58.4/34

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

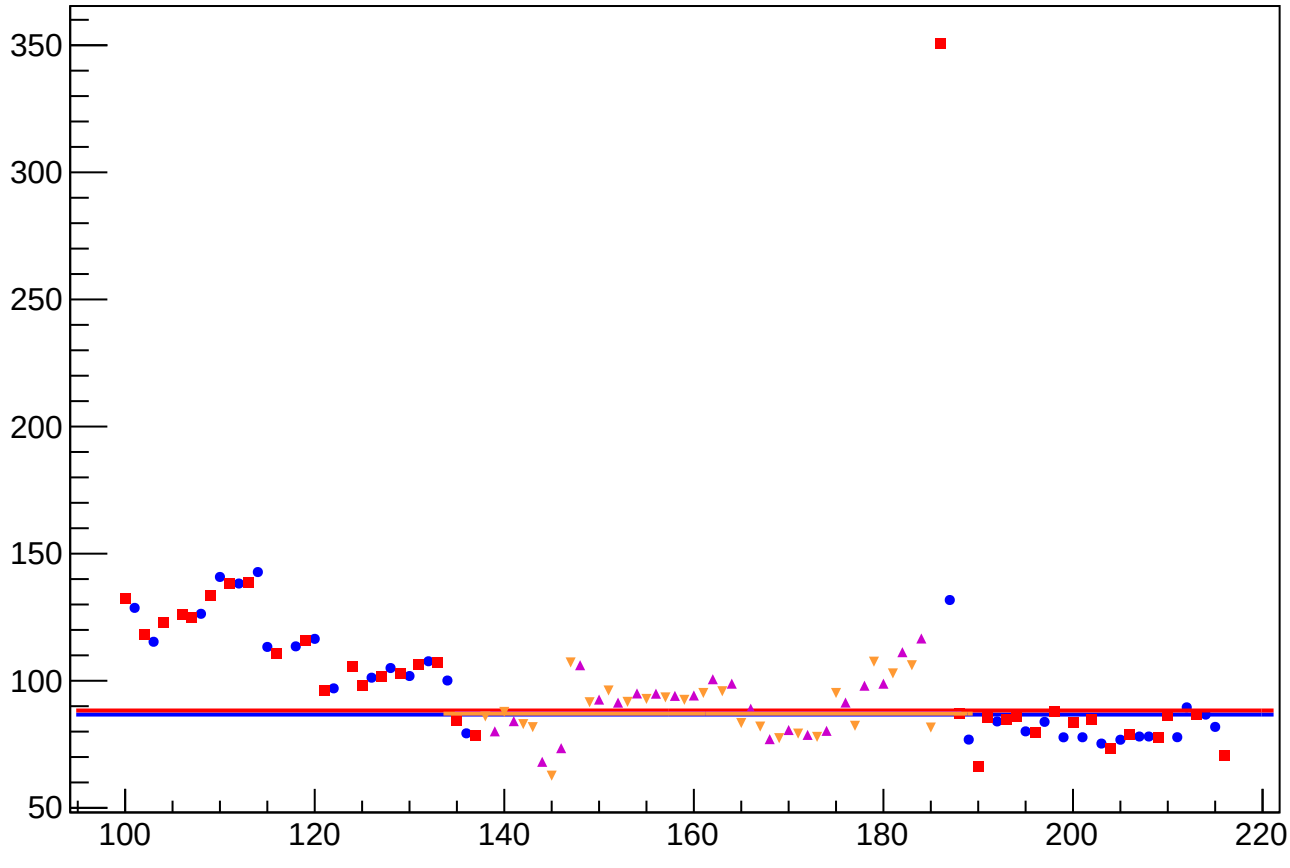
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 43.120+/-14.287 χ^2/NDF: 90.9/65

In: 16.256+/-14.381 χ^2/NDF:58.8/53

Out: 2.299+/-14.251 χ^2/NDF:115.0/59

All: 9.214+/-10.123 χ^2/NDF: 174.3/113



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: 88.301+/-0.014 χ^2/NDF: 1617316.1/34

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

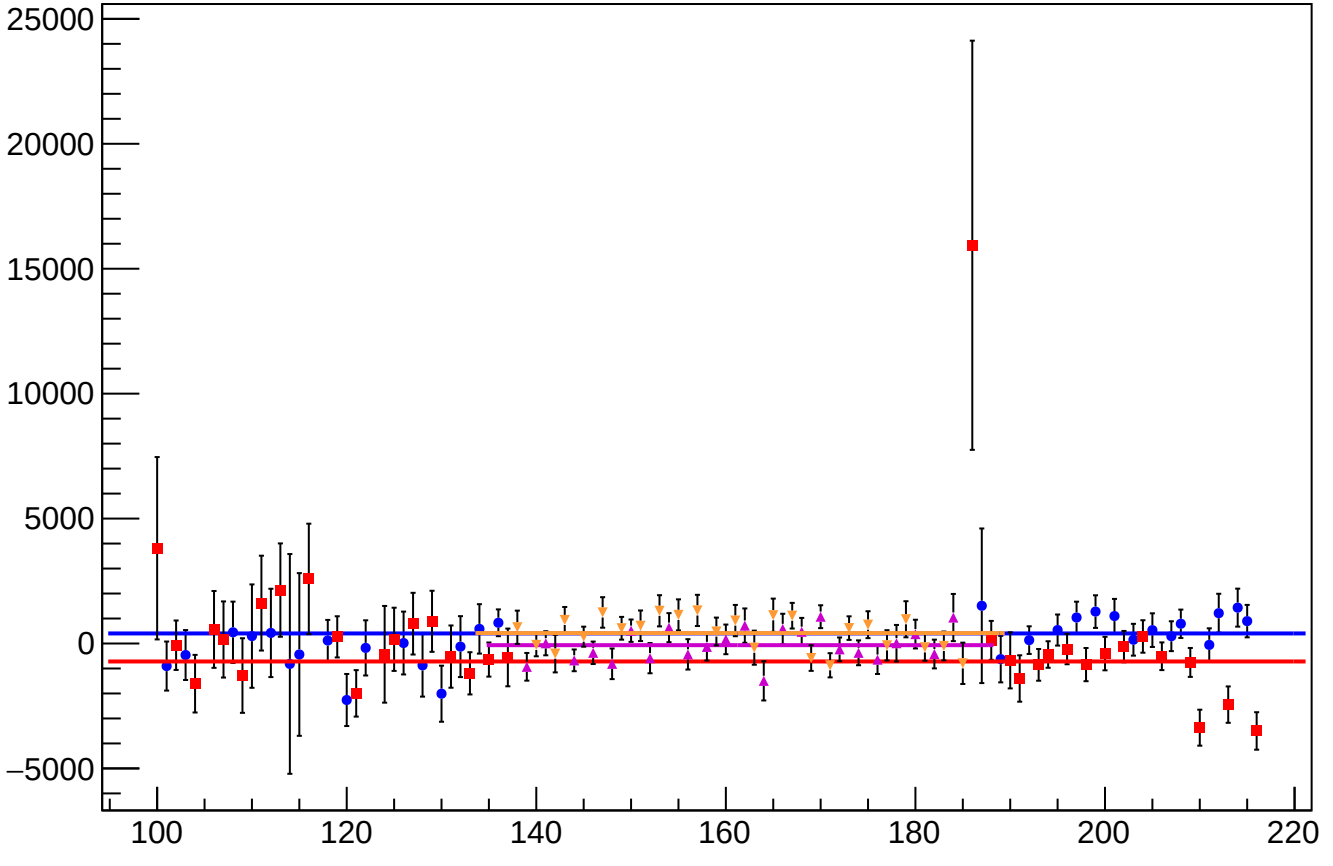
Right: 87.494+/-0.010 χ^2/NDF: 2724999.6/65

In: 86.974+/-0.010 χ^2/NDF:1697973.9/53

Out: 87.676+/-0.010 χ^2/NDF:2241662.9/59

All: 87.328+/-0.007 χ^2/NDF: 3942040.9/113

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: -719.194+/-145.433 χ^2/NDF: 60.7/34

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

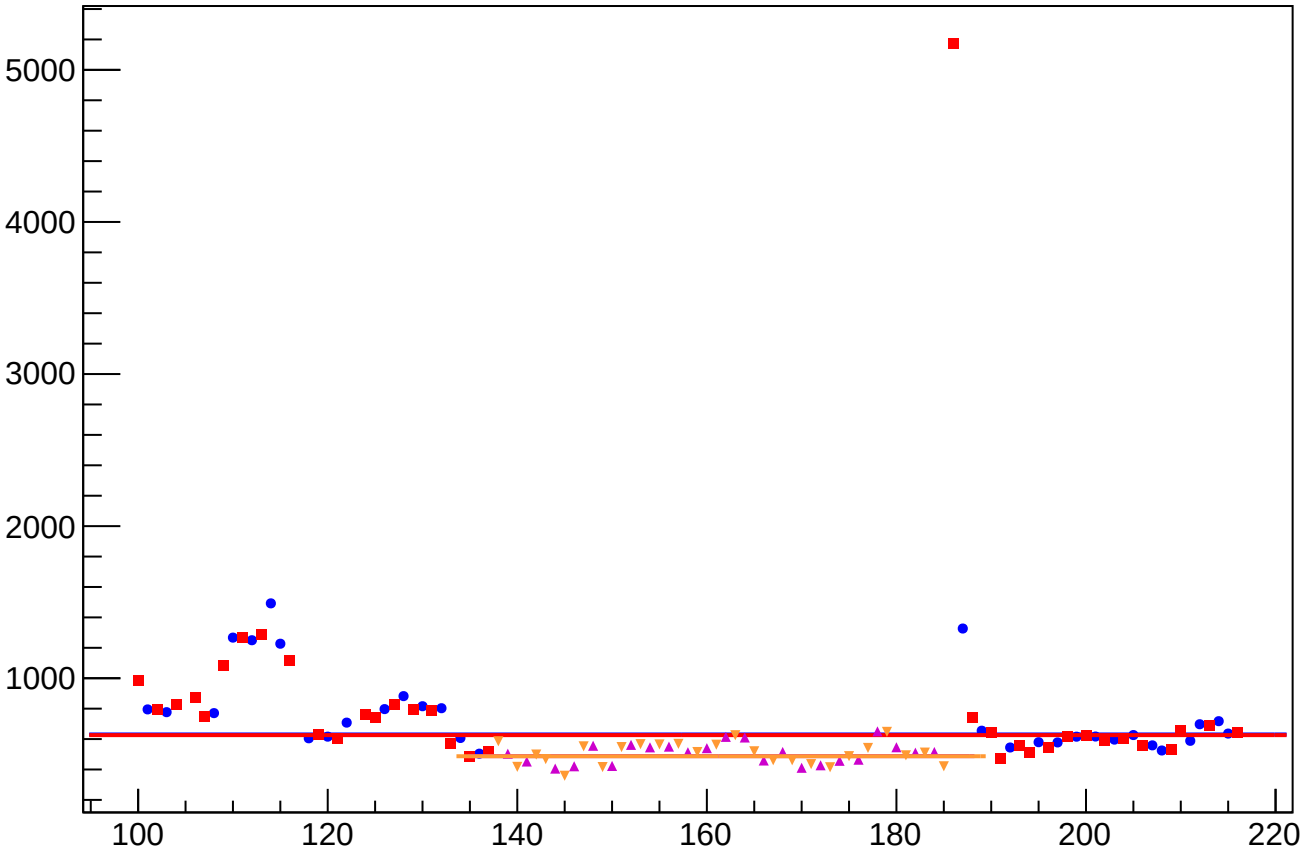
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -162.654+/-103.234 χ^2/NDF: 116.6/65

In: 112.942+/-90.677 χ^2/NDF:60.2/53

Out: -7.939+/-88.903 χ^2/NDF:131.3/59

All: 51.307+/-63.482 χ^2/NDF: 192.4/113



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: 625.909+/-0.103 χ^2/NDF: 2224801.2/34

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

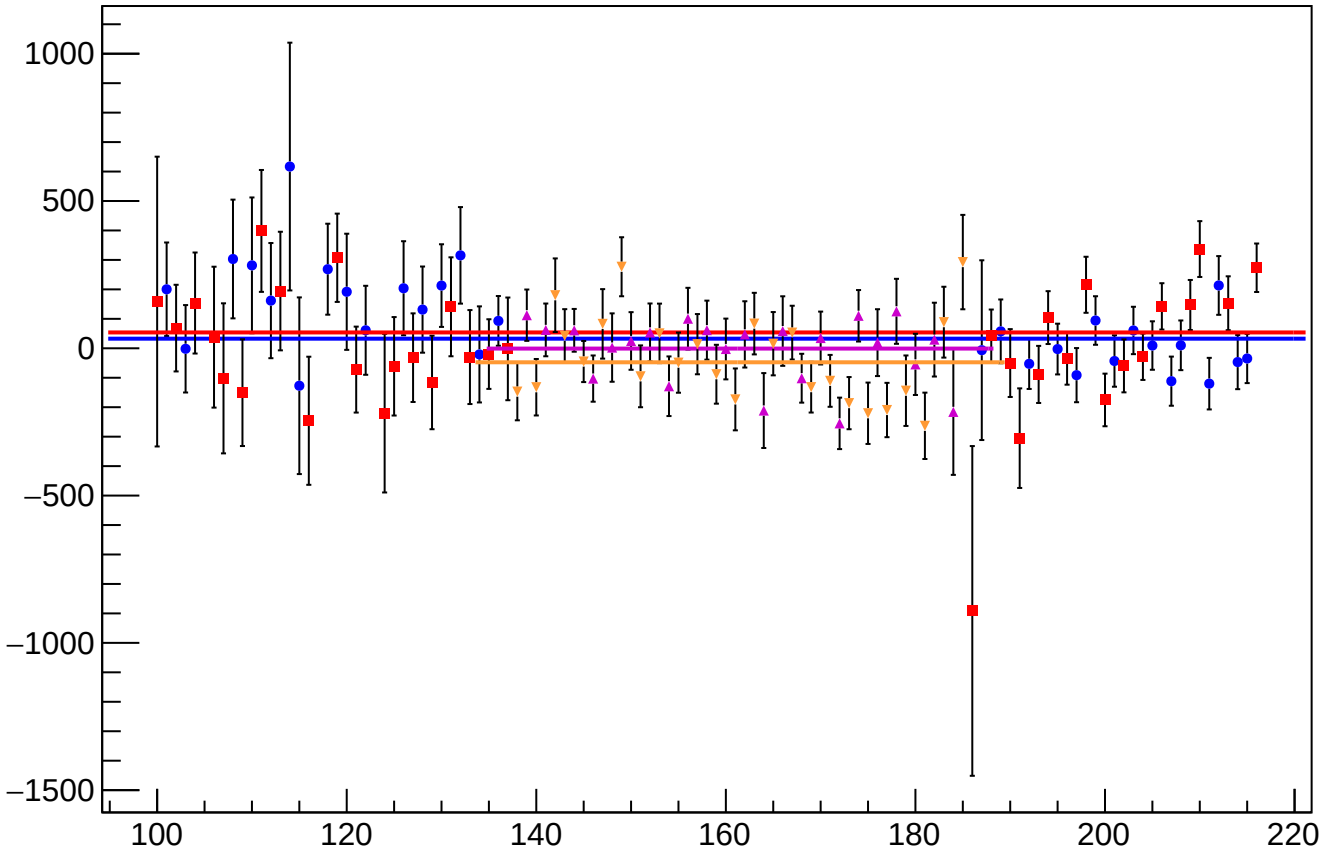
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 628.042+/-0.073 χ^2/NDF: 3598339.9/65

In: 542.391+/-0.064 χ^2/NDF:3170267.3/53

Out: 538.958+/-0.063 χ^2/NDF:4187500.6/59

All: 540.641+/-0.045 χ^2/NDF: 7359229.3/113



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: 53.802+/-20.332 χ^2/NDF: 58.4/34

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

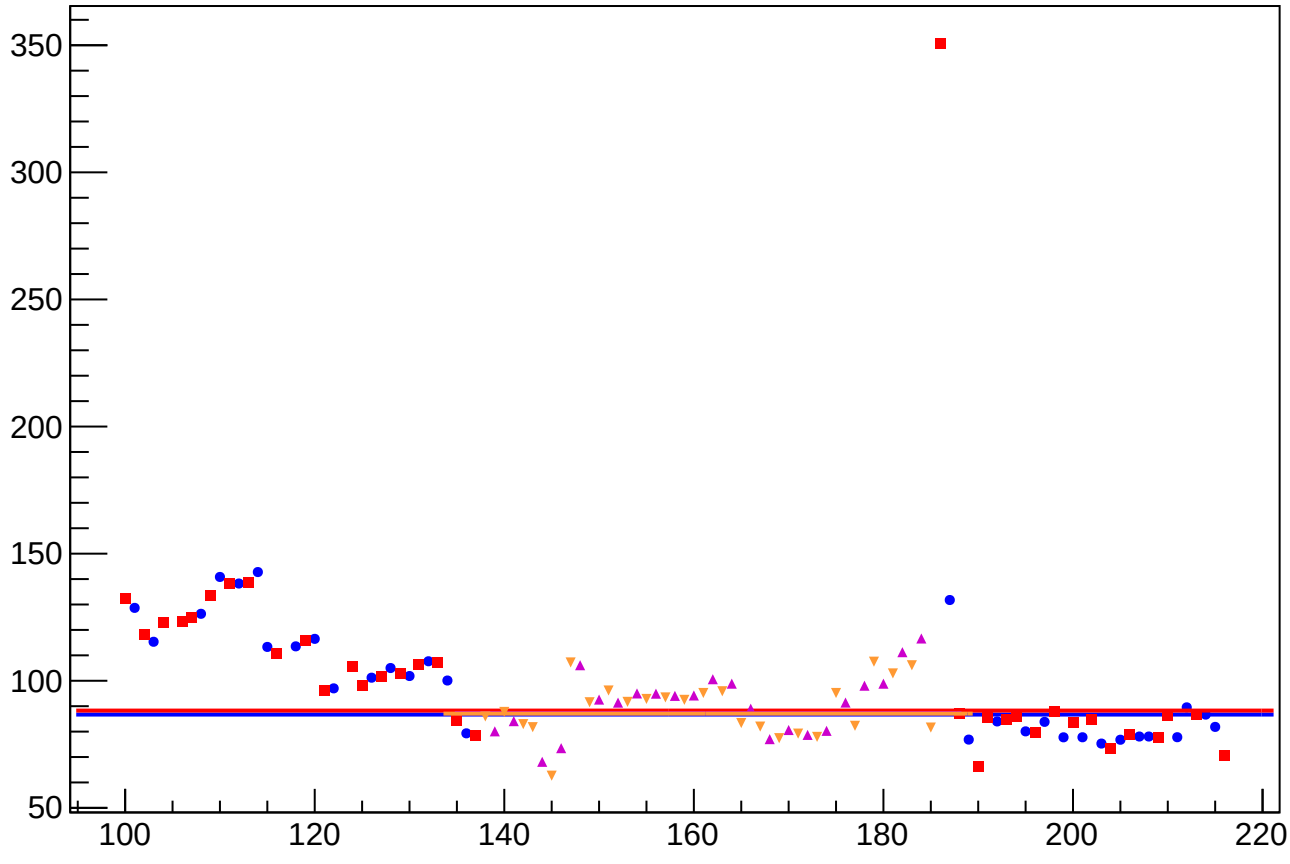
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 43.086+/-14.288 χ^2/NDF: 90.9/65

In: 16.252+/-14.381 χ^2/NDF:58.8/53

Out: 2.259+/-14.252 χ^2/NDF:115.0/59

All: 9.192+/-10.123 χ^2/NDF: 174.3/113



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: 88.271+/-0.014 χ^2/NDF: 1608391.5/34

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

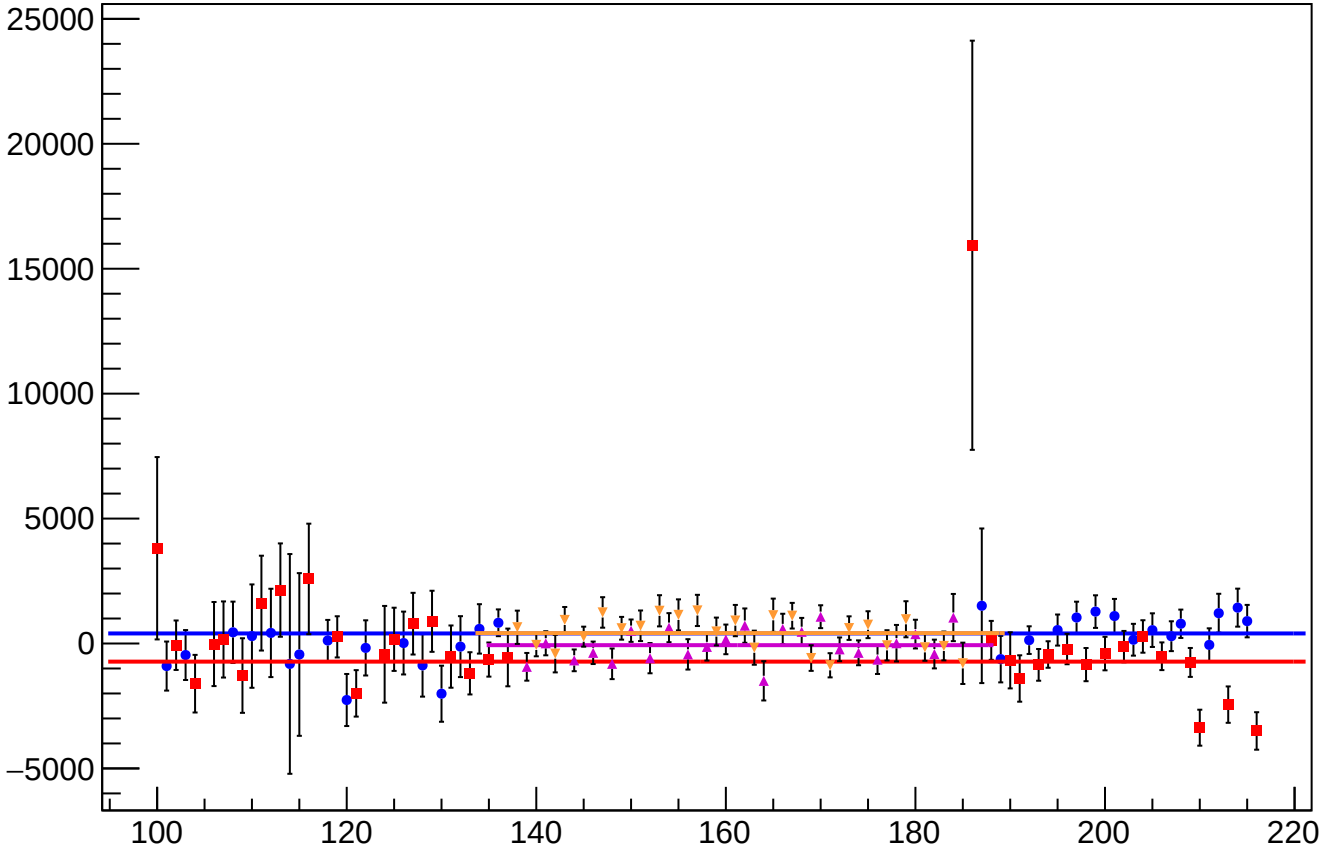
Right: 87.479+/-0.010 χ^2/NDF: 2715839.3/65

In: 86.974+/-0.010 χ^2/NDF:1697974.3/53

Out: 87.661+/-0.010 χ^2/NDF:2232556.2/59

All: 87.321+/-0.007 χ^2/NDF: 3932832.6/113

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: -725.476+/-145.543 χ^2/NDF: 60.2/34

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

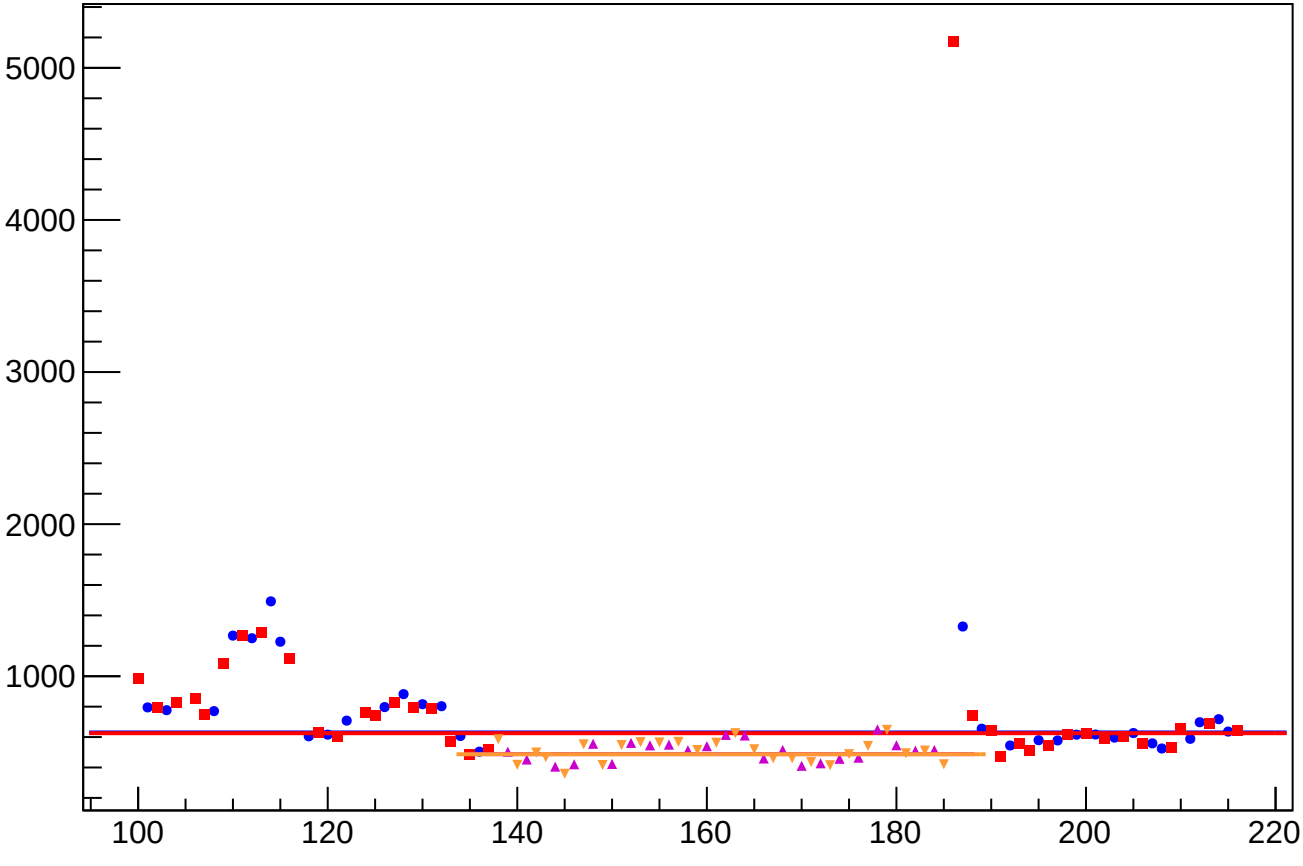
Right: -165.396+/-103.273 χ^2/NDF: 116.4/65

In: 112.942+/-90.677 χ^2/NDF:60.2/53

Out: -9.888+/-88.928 χ^2/NDF:131.2/59

All: 50.330+/-63.491 χ^2/NDF: 192.3/113

asym_sam_26_48_dd_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: 625.393+/-0.103 χ^2/NDF: 2209562.8/34

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

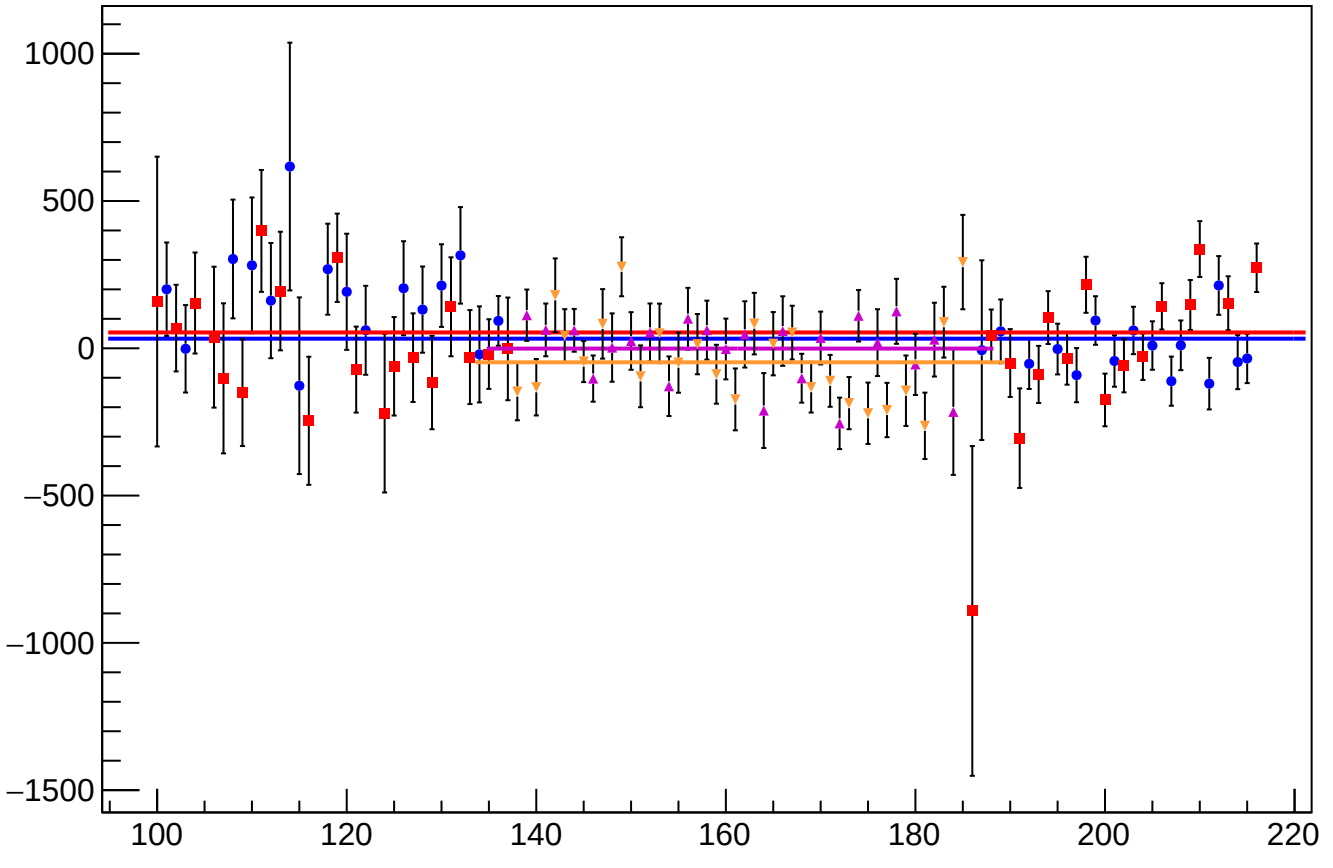
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 627.785+/-0.073 χ^2/NDF: 3583333.0/65

In: 542.391+/-0.064 χ^2/NDF:3170283.4/53

Out: 538.717+/-0.063 χ^2/NDF:4162730.4/59

All: 540.518+/-0.045 χ^2/NDF: 7334687.2/113



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: 53.802+/-20.332 χ^2/NDF: 58.4/34

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

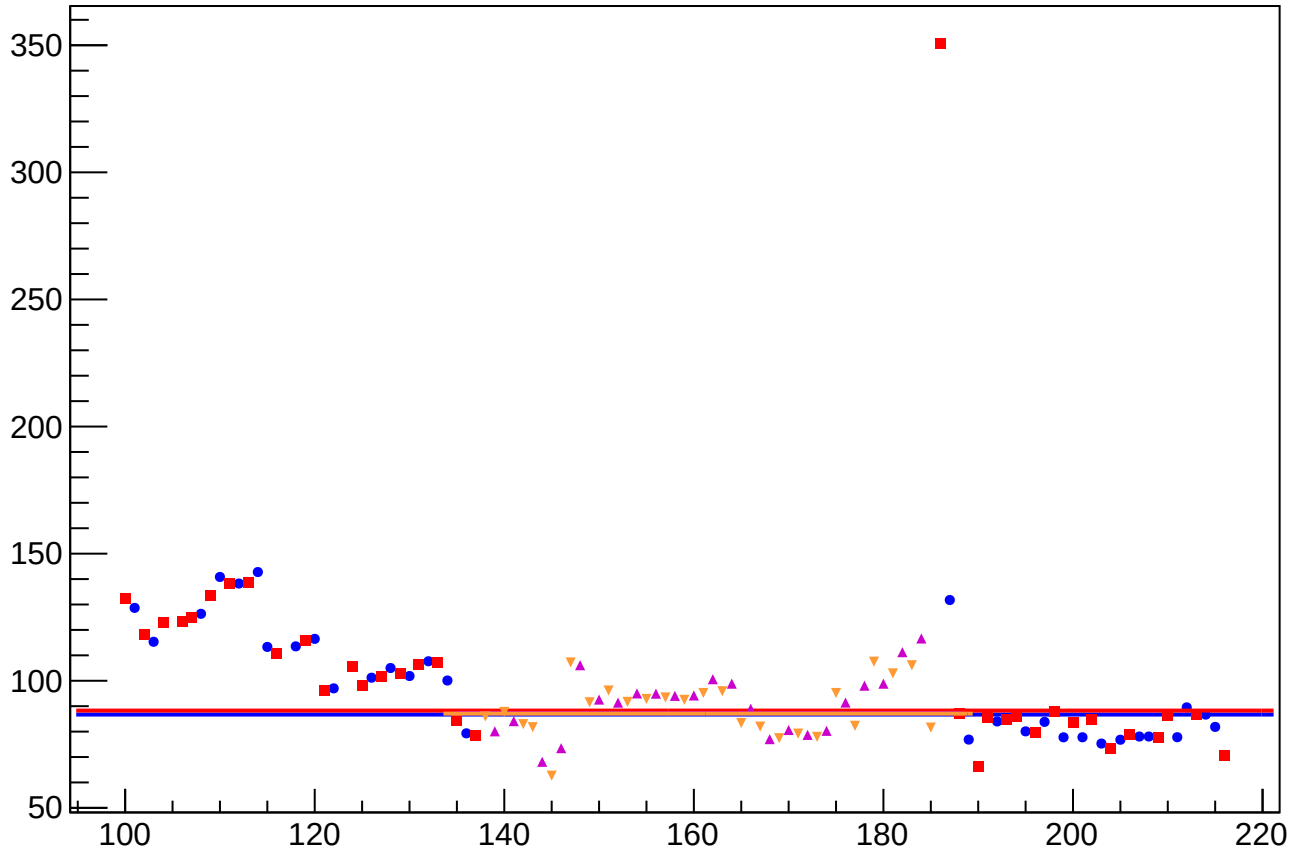
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 43.086+/-14.288 χ^2/NDF: 90.9/65

In: 16.252+/-14.381 χ^2/NDF:58.8/53

Out: 2.259+/-14.252 χ^2/NDF:115.0/59

All: 9.192+/-10.123 χ^2/NDF: 174.3/113



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: 88.271+/-0.014 χ^2/NDF: 1608391.5/34

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

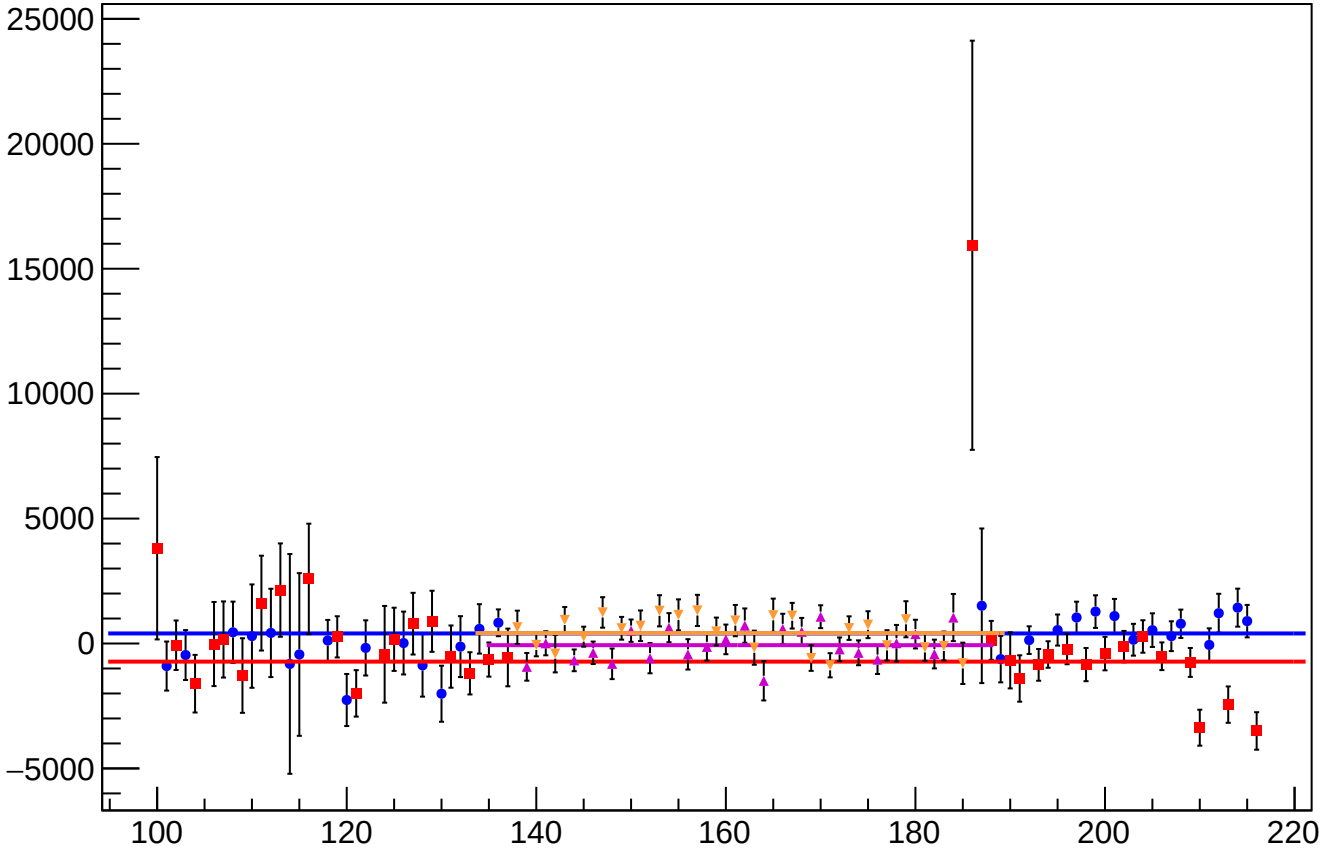
Right: 87.479+/-0.010 χ^2/NDF: 2715839.3/65

In: 86.974+/-0.010 χ^2/NDF:1697974.3/53

Out: 87.661+/-0.010 χ^2/NDF:2232556.2/59

All: 87.321+/-0.007 χ^2/NDF: 3932832.6/113

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: -725.476+/-145.543 χ^2/NDF: 60.2/34

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

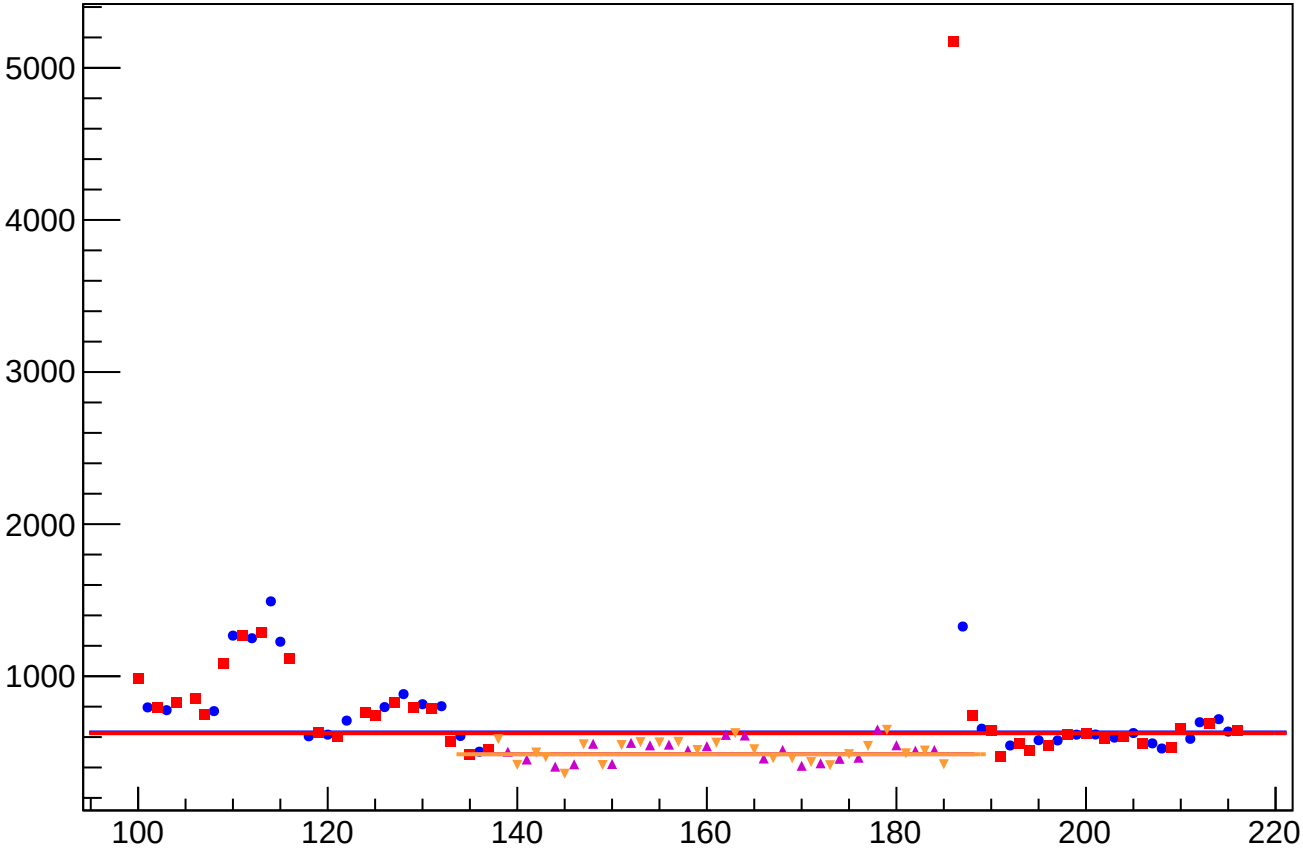
Right: -165.396+/-103.273 χ^2/NDF: 116.4/65

In: 112.942+/-90.677 χ^2/NDF:60.2/53

Out: -9.888+/-88.928 χ^2/NDF:131.2/59

All: 50.330+/-63.491 χ^2/NDF: 192.3/113

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: 625.393+/-0.103 χ^2/NDF: 2209562.8/34

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

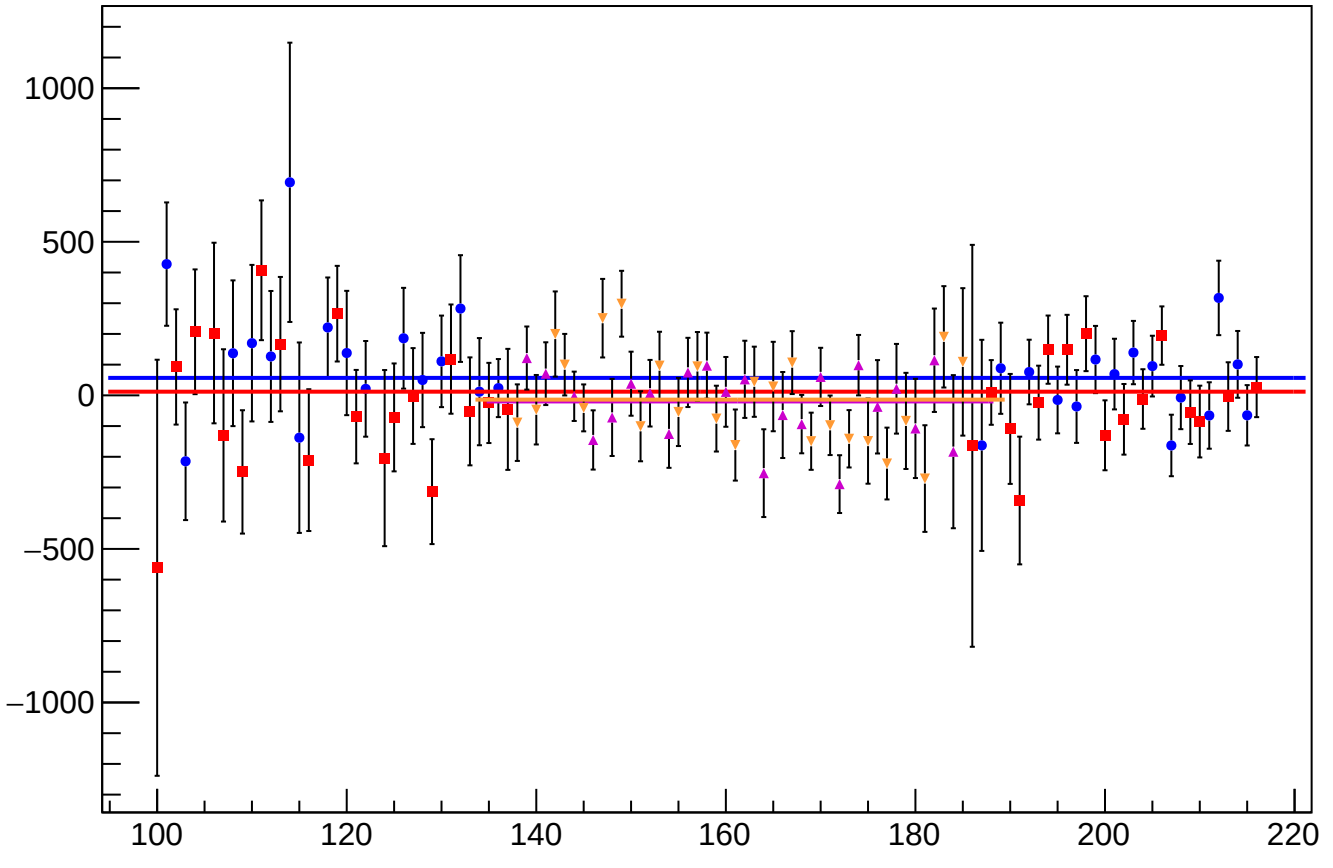
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 627.785+/-0.073 χ^2/NDF: 3583333.0/65

In: 542.391+/-0.064 χ^2/NDF:3170283.4/53

Out: 538.717+/-0.063 χ^2/NDF:4162730.4/59

All: 540.518+/-0.045 χ^2/NDF: 7334687.2/113



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: 11.979+/-24.410 χ^2/NDF: 32.6/34

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

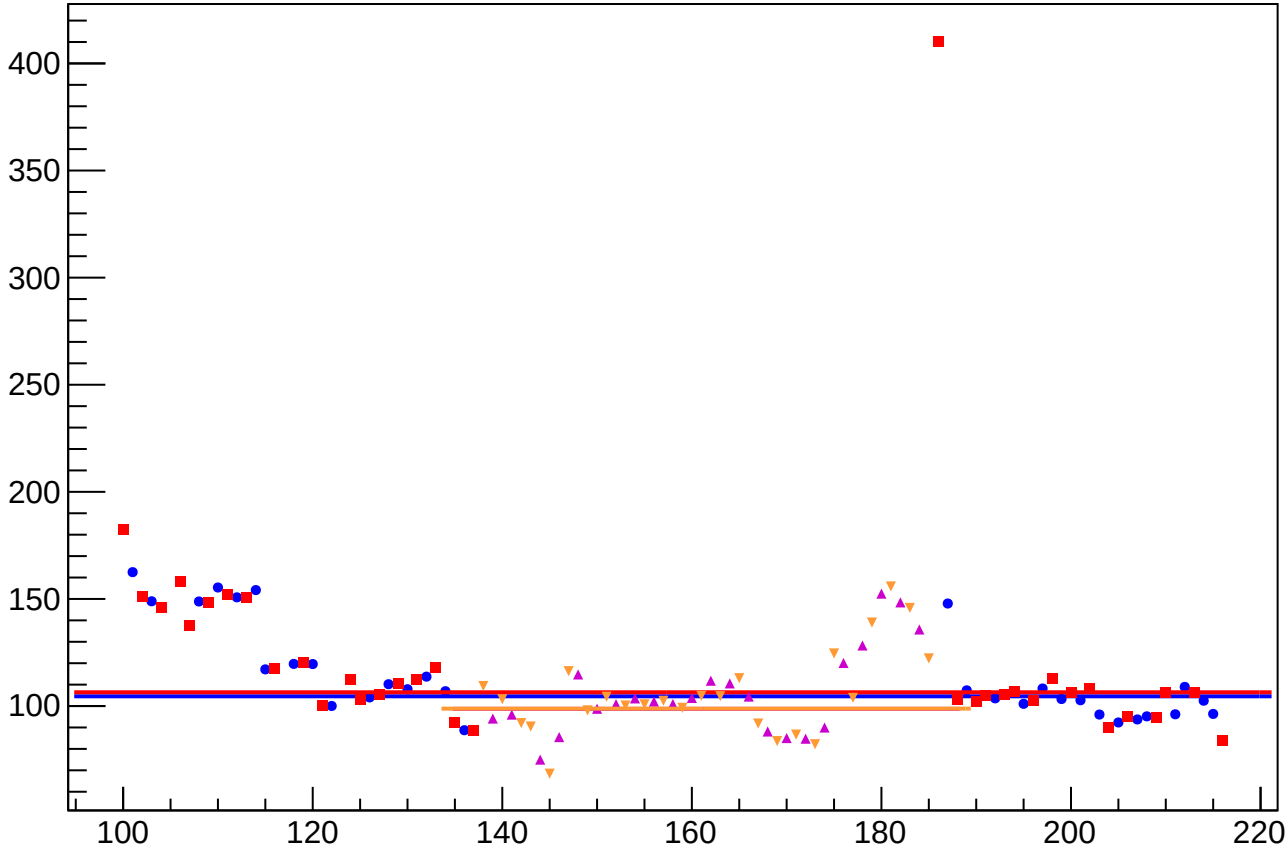
Right: 34.702+/-17.155 χ^2/NDF: 61.9/65

In: 17.663+/-16.856 χ^2/NDF:56.0/53

Out: -1.779+/-16.707 χ^2/NDF:69.6/59

All: 7.856+/-11.866 χ^2/NDF: 126.3/113

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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: 106.434+/-0.017 χ^2/NDF: 1285786.0/34

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

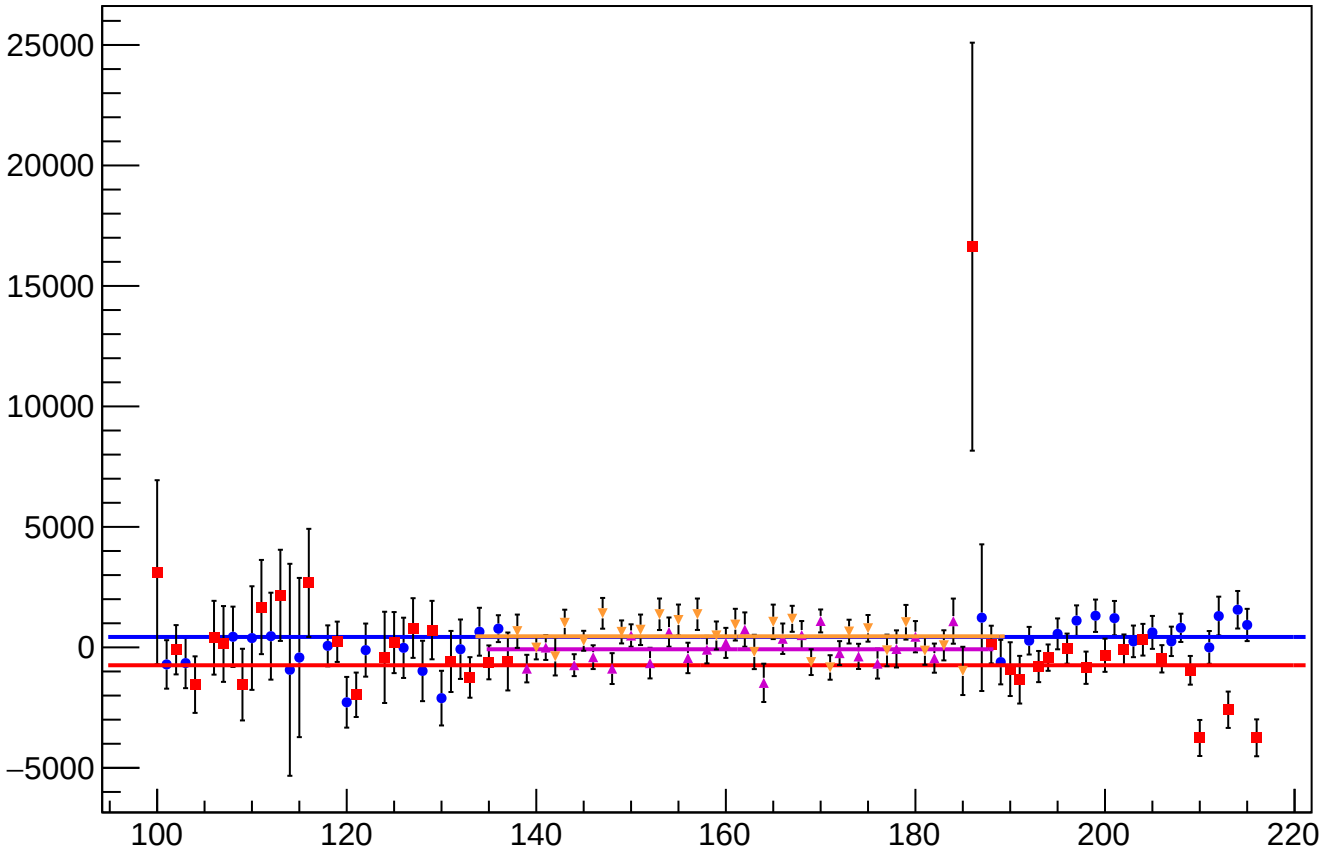
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 105.482+/-0.012 χ^2/NDF: 2082389.3/65

In: 101.546+/-0.012 χ^2/NDF:1839252.4/53

Out: 102.375+/-0.012 χ^2/NDF:2575591.0/59

All: 101.965+/-0.008 χ^2/NDF: 4417283.2/113



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: -742.141+/-148.367 χ^2/NDF: 65.8/34

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

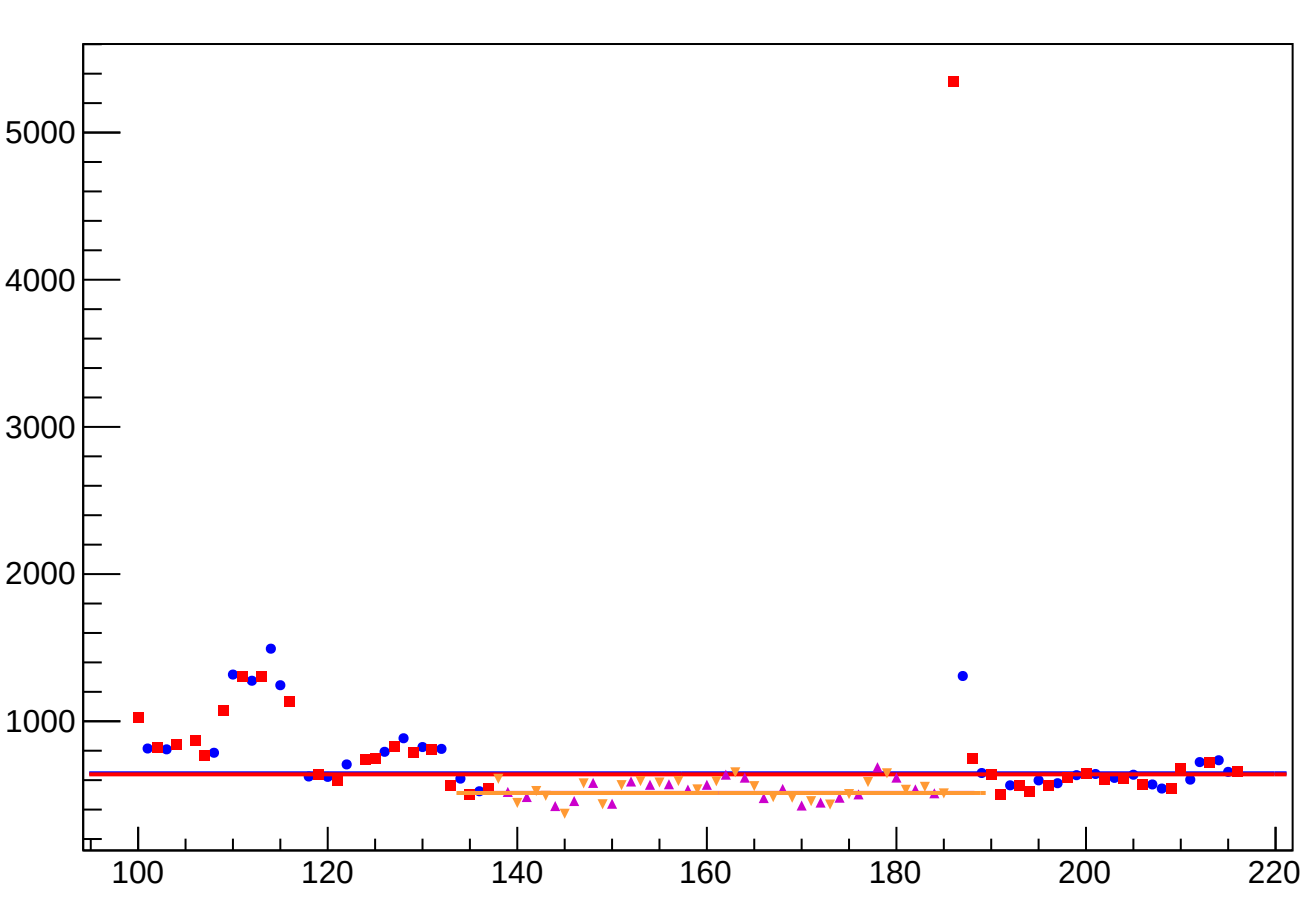
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -162.240+/-105.557 χ^2/NDF: 123.8/65

In: 123.163+/-94.436 χ^2/NDF:60.2/53

Out: -6.871+/-92.406 χ^2/NDF:136.7/59

All: 56.733+/-66.047 χ^2/NDF: 197.9/113



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: 639.330+/-0.105 χ^2/NDF: 2158377.6/34

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

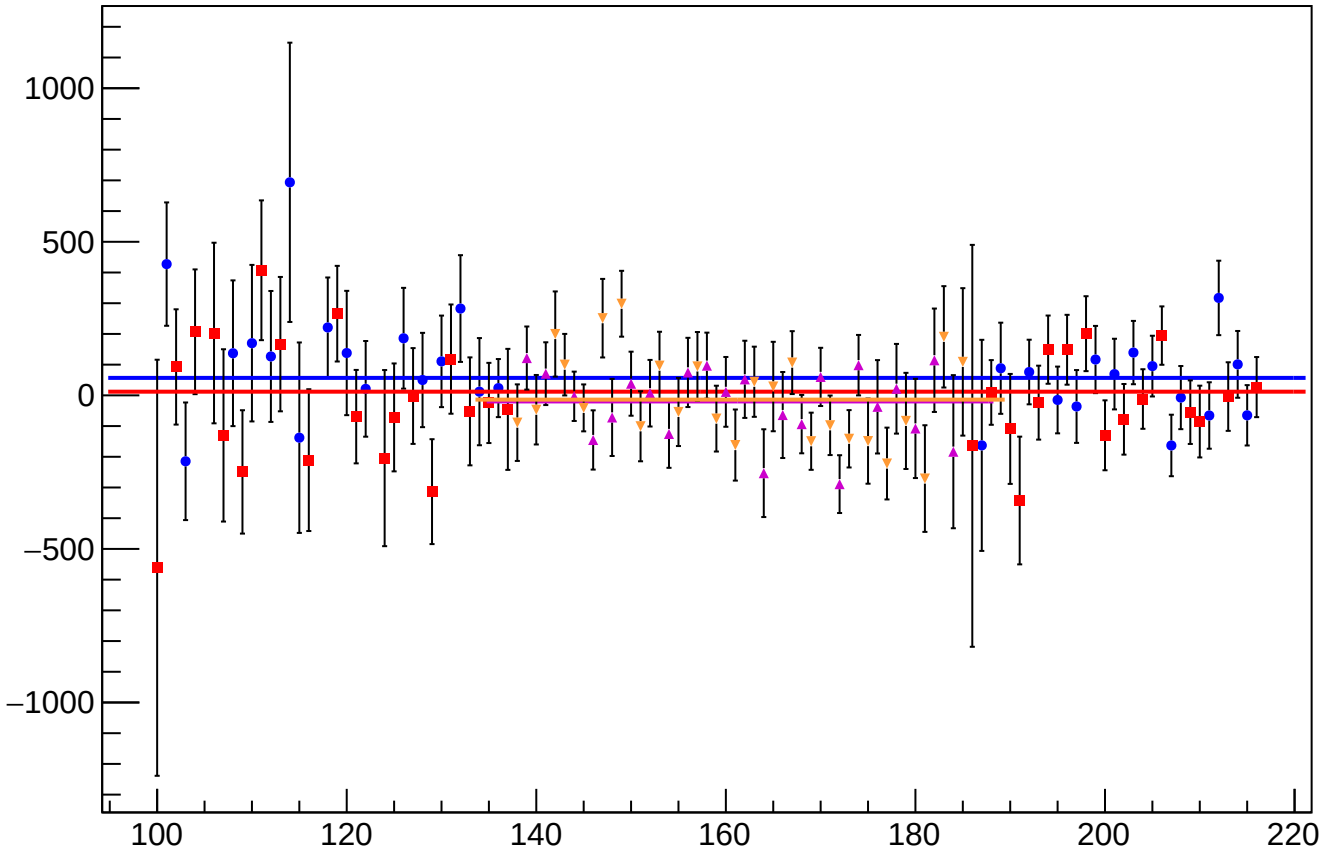
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 642.904+/-0.075 χ^2/NDF: 3480108.7/65

In: 566.019+/-0.067 χ^2/NDF:2904342.7/53

Out: 561.862+/-0.065 χ^2/NDF:3848400.9/59

All: 563.895+/-0.047 χ^2/NDF: 6754723.3/113



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: 11.981+/-24.410 χ^2/NDF: 32.6/34

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

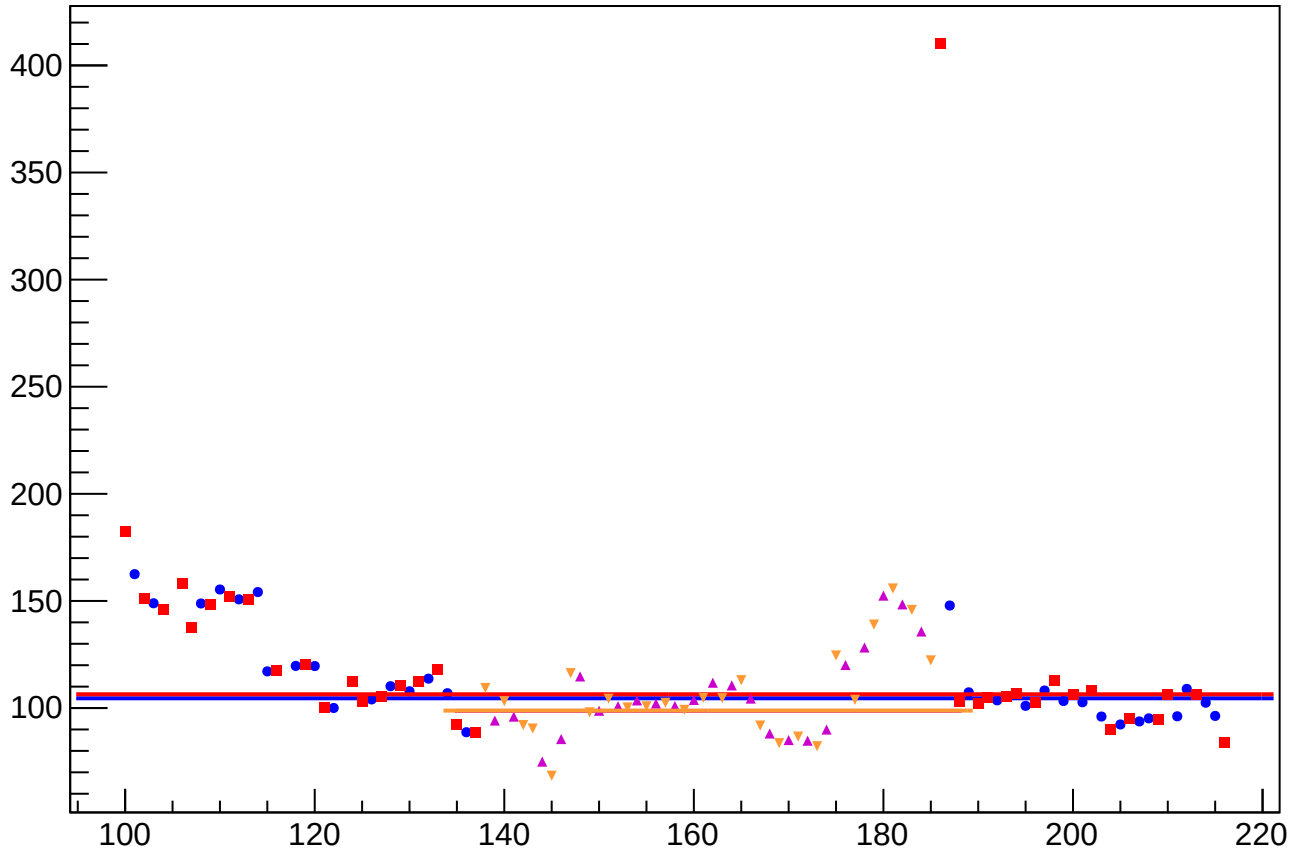
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 34.702+/-17.155 χ^2/NDF: 61.9/65

In: 17.663+/-16.856 χ^2/NDF:56.0/53

Out: -1.779+/-16.707 χ^2/NDF:69.6/59

All: 7.856+/-11.866 χ^2/NDF: 126.3/113



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: 106.434+/-0.017 χ^2/NDF: 1285778.7/34

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

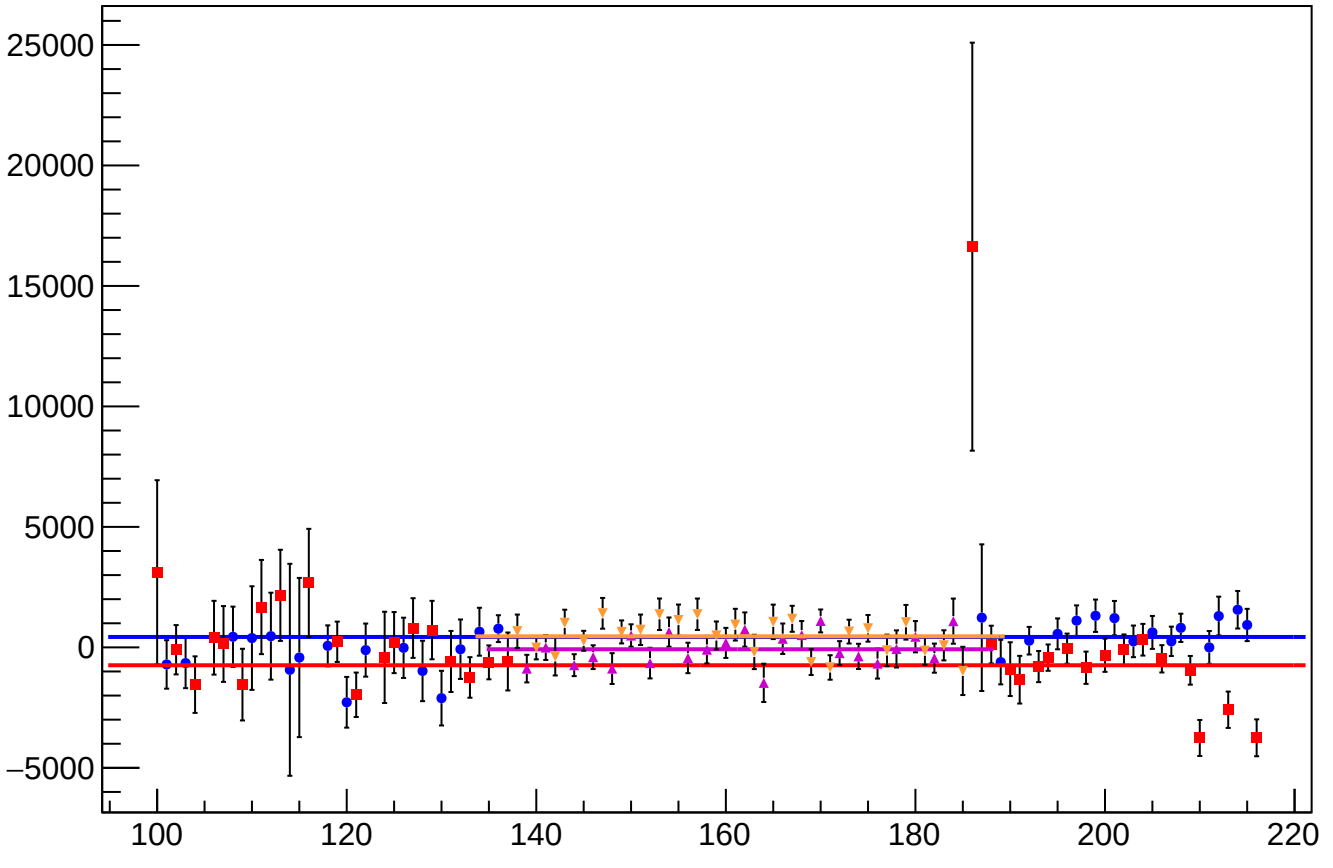
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 105.482+/-0.012 χ^2/NDF: 2082373.3/65

In: 101.546+/-0.012 χ^2/NDF:1839236.5/53

Out: 102.375+/-0.012 χ^2/NDF:2575590.1/59

All: 101.965+/-0.008 χ^2/NDF: 4417266.2/113



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: -742.139+/-148.367 χ^2/NDF: 65.8/34

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

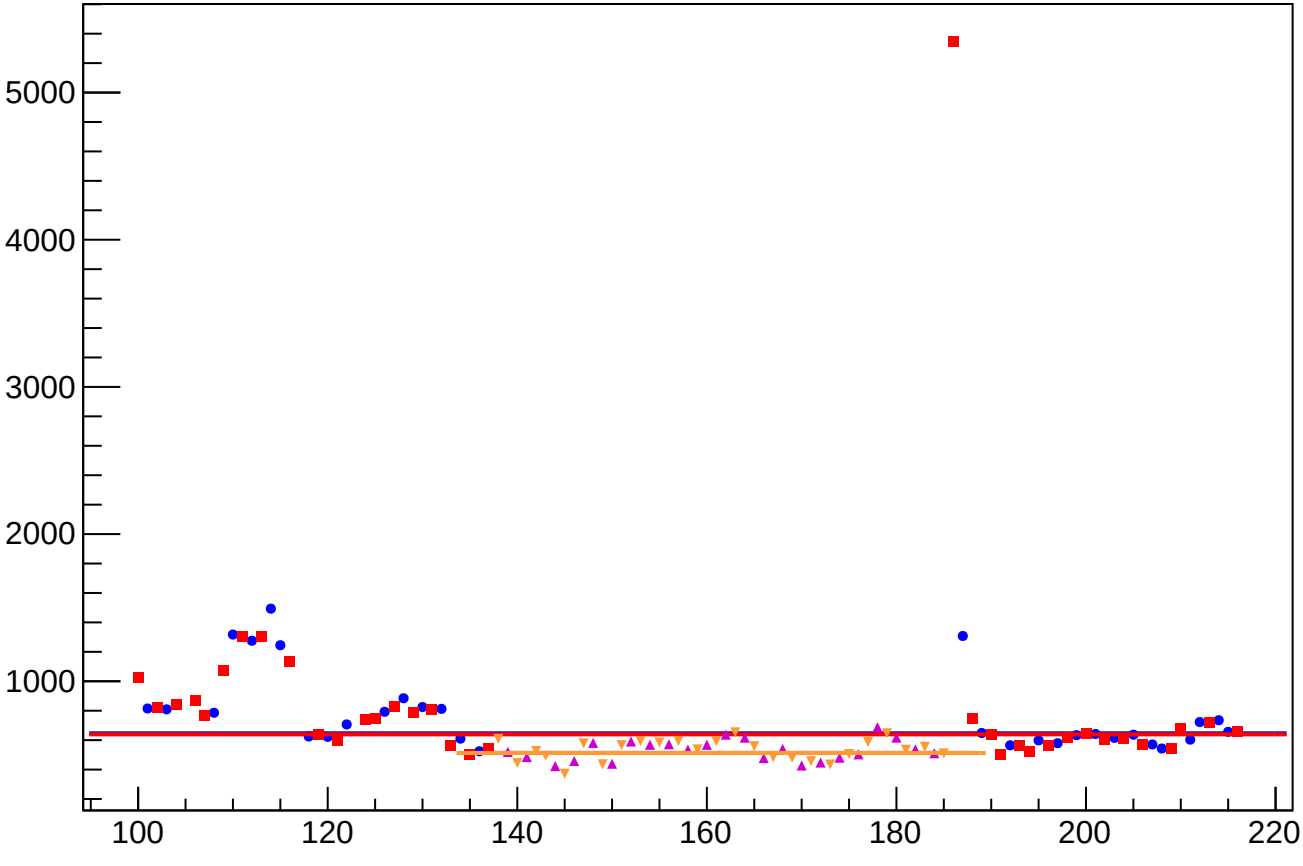
Right: -162.239+/-105.557 χ^2/NDF: 123.8/65

In: 123.163+/-94.436 χ^2/NDF:60.2/53

Out: -6.872+/-92.406 χ^2/NDF:136.7/59

All: 56.733+/-66.047 χ^2/NDF: 197.9/113

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: 639.328+/-0.105 χ^2/NDF: 2158373.9/34

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

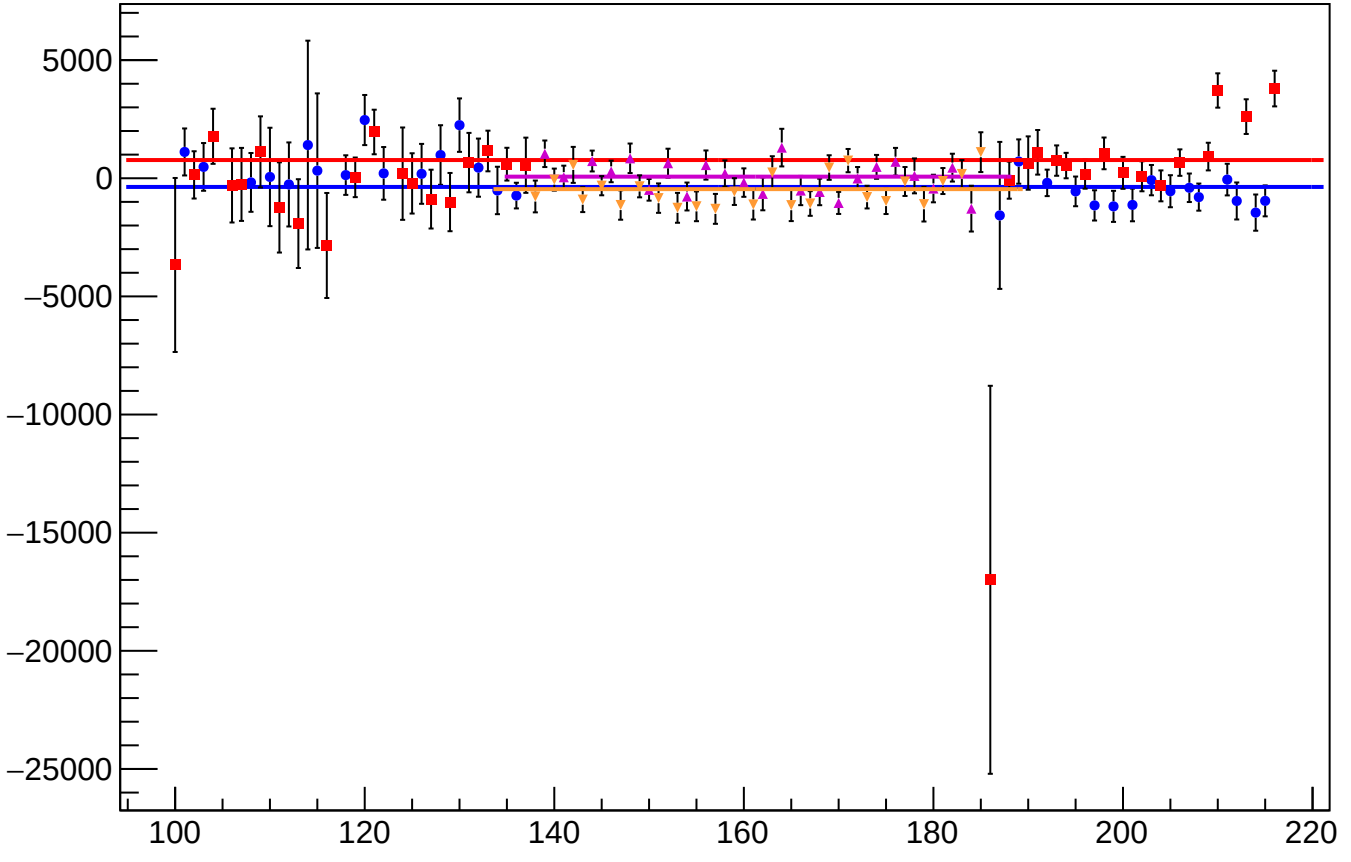
Right: 642.903+/-0.075 χ^2/NDF: 3480101.7/65

In: 566.019+/-0.067 χ^2/NDF:2904328.7/53

Out: 561.862+/-0.065 χ^2/NDF:3848386.6/59

All: 563.895+/-0.047 χ^2/NDF: 6754695.3/113

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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: 770.764+/-147.032 χ^2/NDF: 67.3/34

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

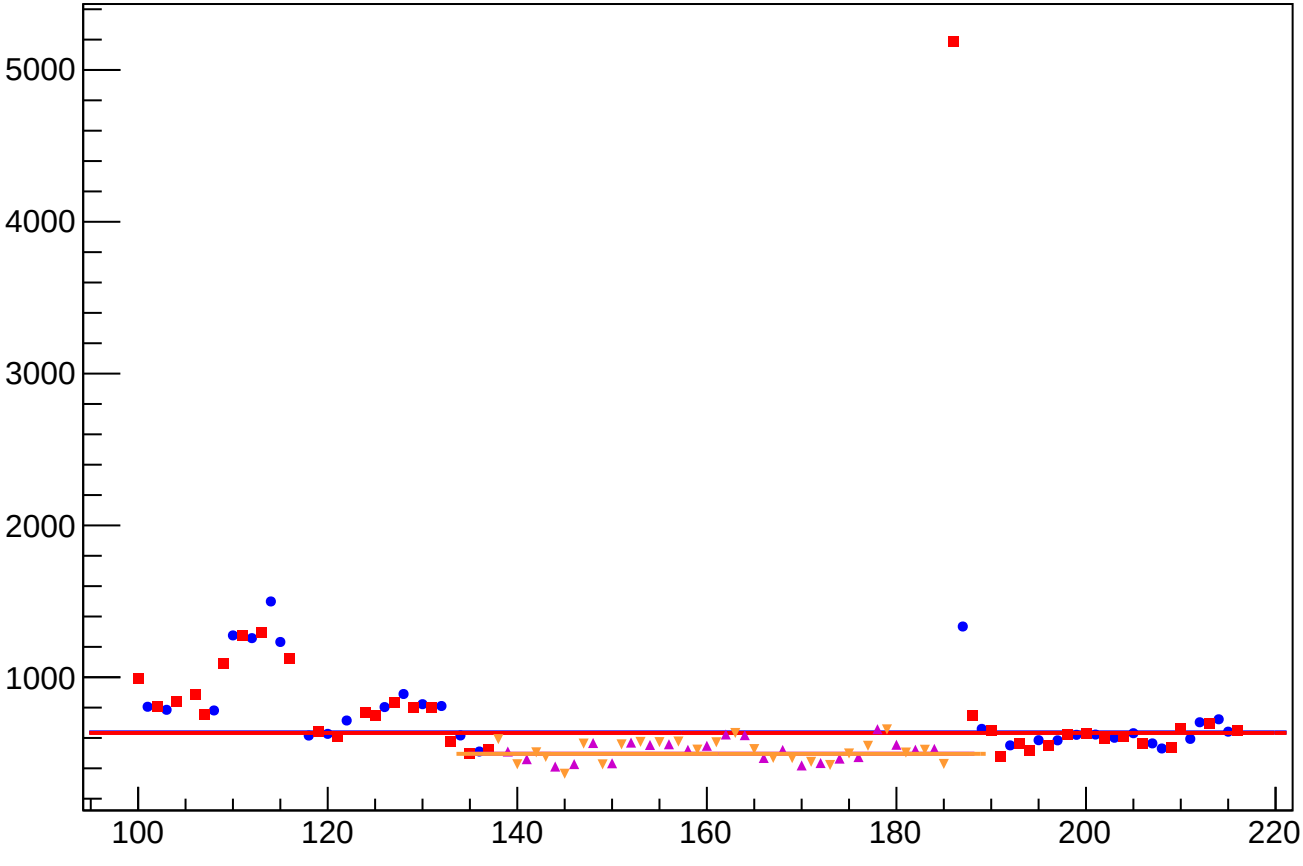
Right: 205.600+/-104.334 χ^2/NDF: 126.0/65

In: -100.049+/-91.978 χ^2/NDF:62.8/53

Out: 3.353+/-90.207 χ^2/NDF:141.8/59

All: -47.343+/-64.403 χ^2/NDF: 205.3/113

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: 633.025+/-0.104 χ^2/NDF: 2202620.3/34

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

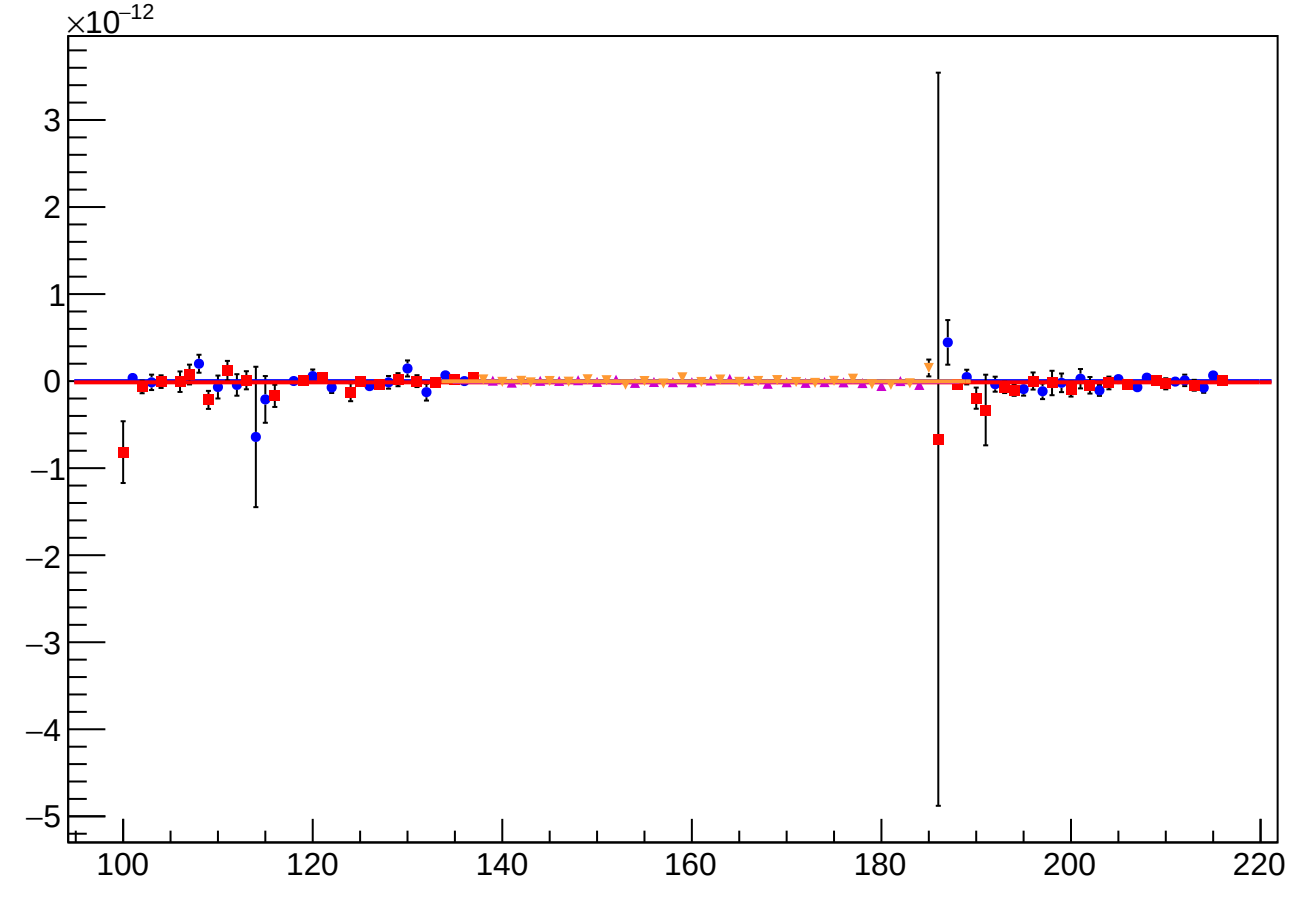
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 634.931+/-0.074 χ^2/NDF: 3563008.0/65

In: 550.539+/-0.065 χ^2/NDF:3088820.3/53

Out: 547.274+/-0.064 χ^2/NDF:4098171.3/59

All: 548.875+/-0.046 χ^2/NDF: 7188276.2/113



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: 26.7/34

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

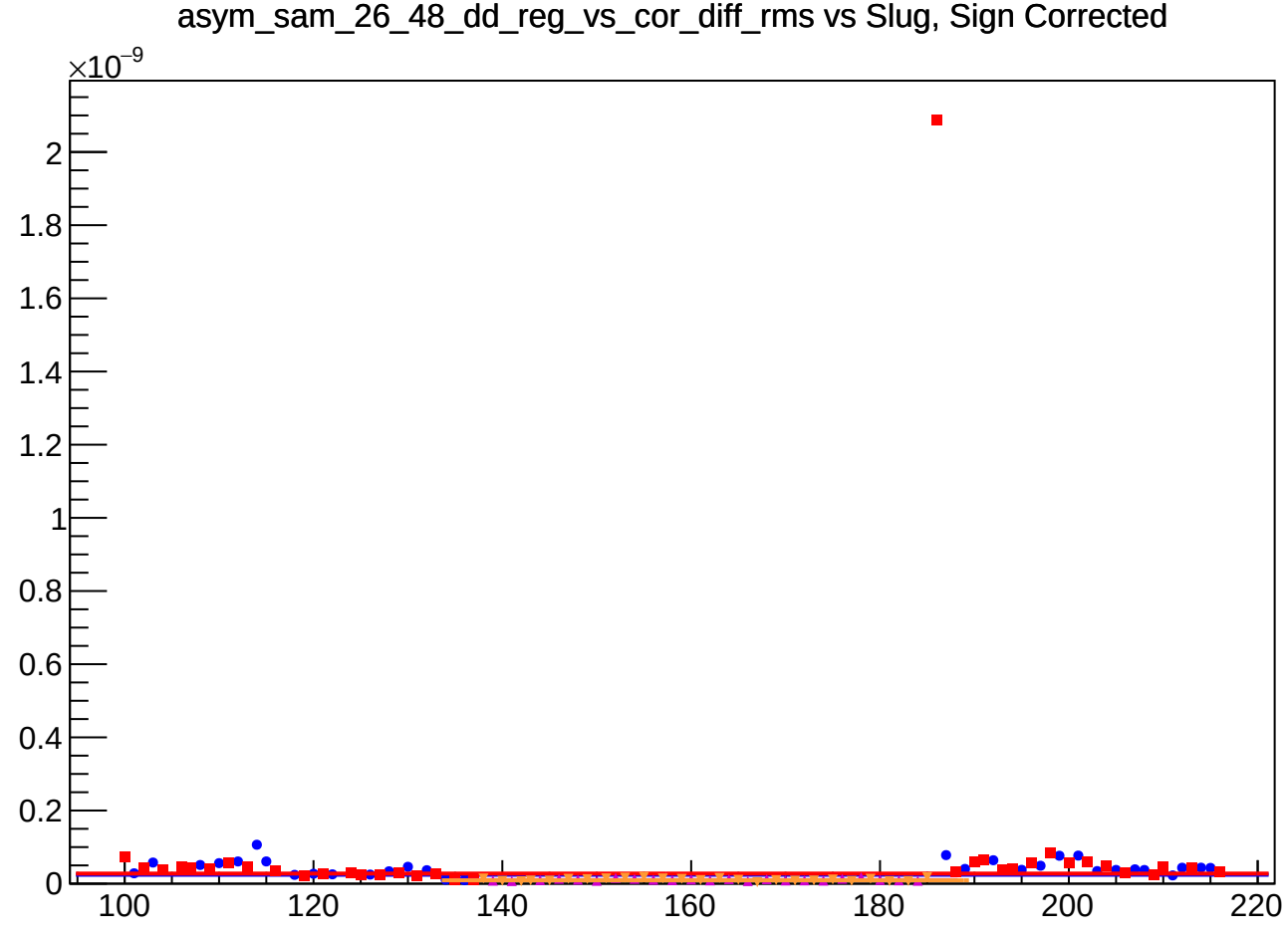
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 60.5/65

In: -0.000+/-0.000 χ^2/NDF:48.9/53

Out: -0.000+/-0.000 χ^2/NDF:53.0/59

All: -0.000+/-0.000 χ^2/NDF: 102.3/113



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: 4414355.9/34

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

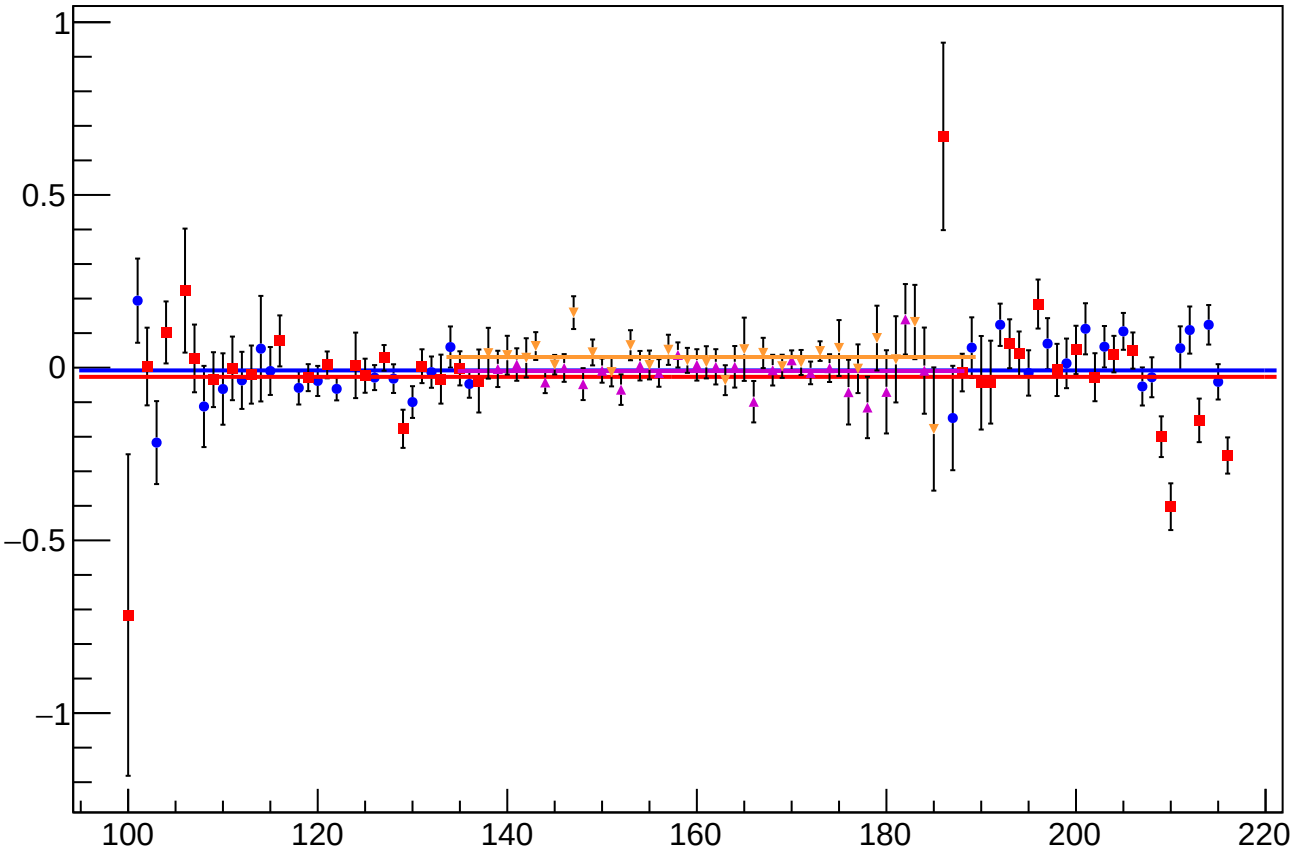
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10395832.4/65

In: 0.000+/-0.000 χ^2/NDF:10548661.9/53

Out: 0.000+/-0.000 χ^2/NDF:11850069.9/59

All: 0.000+/-0.000 χ^2/NDF: 22430338.8/113



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: -0.027+/-0.011 χ^2/NDF: 105.6/34

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

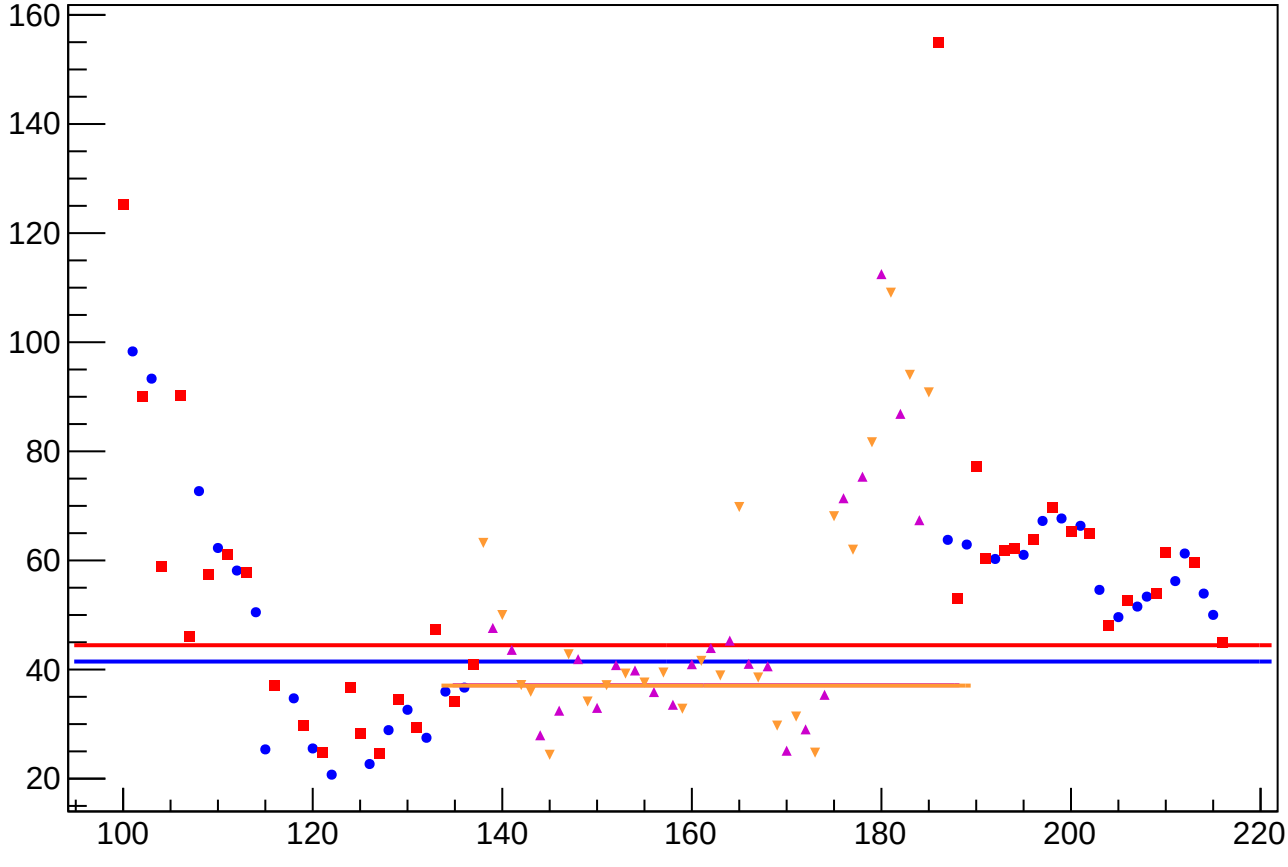
Right: -0.017+/-0.007 χ^2/NDF: 151.5/65

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.007+/-0.007 χ^2/NDF:139.9/59

All: -0.001+/-0.005 χ^2/NDF: 200.1/113

asym_sam_26_48_dd_dit_vs_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: 44.458+/-0.008 χ^2/NDF: 4586682.3/34

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

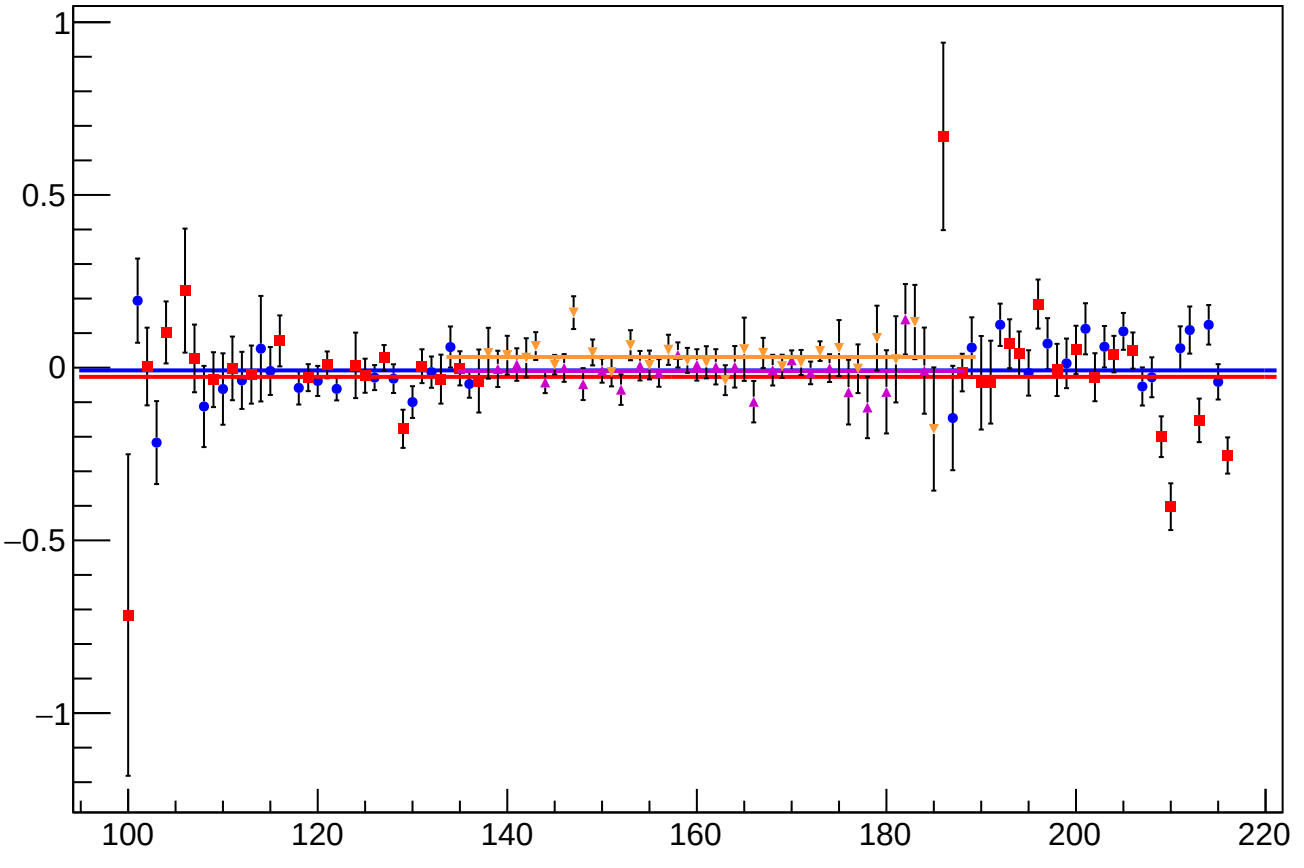
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 42.889+/-0.005 χ^2/NDF: 9995230.7/65

In: 39.092+/-0.005 χ^2/NDF:8535380.5/53

Out: 40.130+/-0.005 χ^2/NDF:9186506.1/59

All: 39.608+/-0.003 χ^2/NDF: 17744163.2/113



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: -0.027+/-0.011 χ^2/NDF: 105.6/34

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

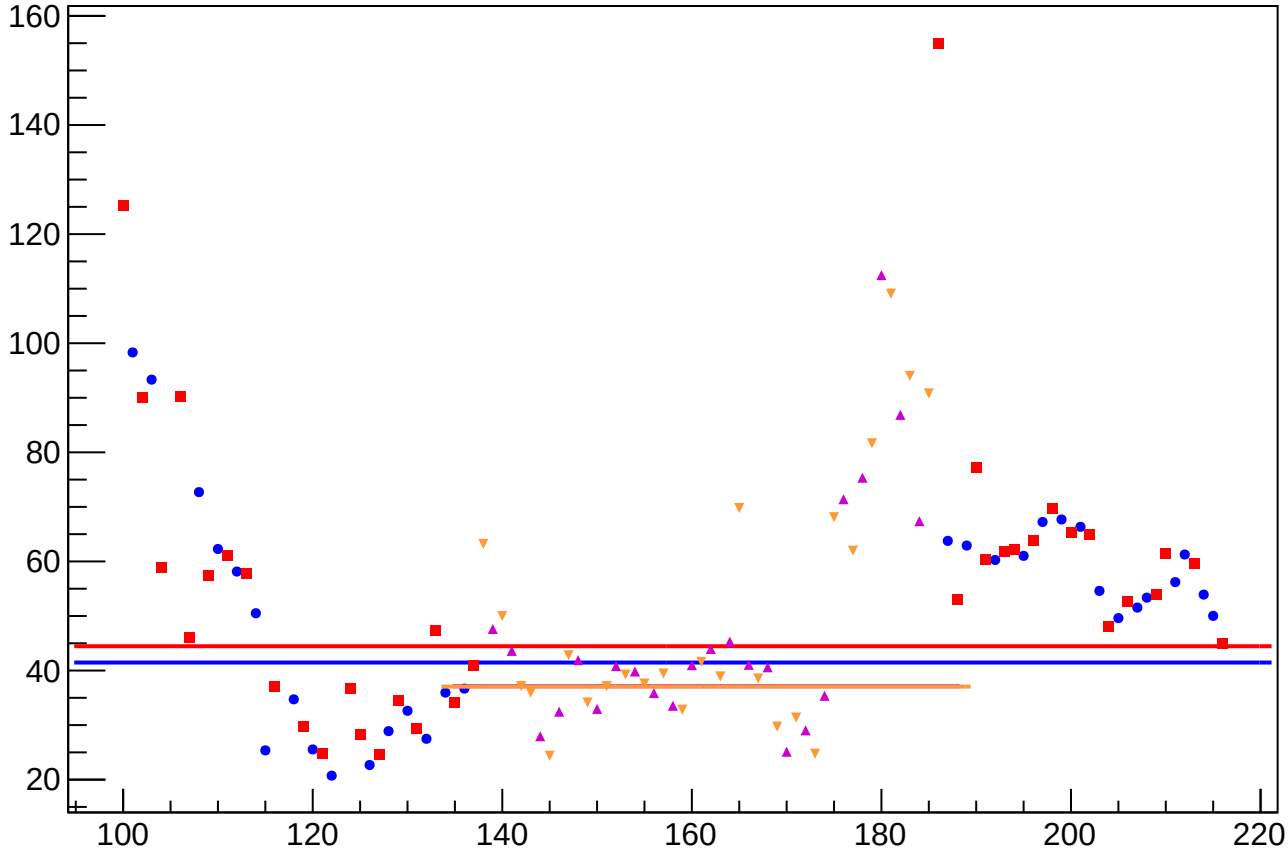
Right: -0.017+/-0.007 χ^2/NDF: 151.5/65

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.007+/-0.007 χ^2/NDF:139.9/59

All: -0.001+/-0.005 χ^2/NDF: 200.1/113

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: 44.458+/-0.008 χ^2/NDF: 4586682.3/34

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

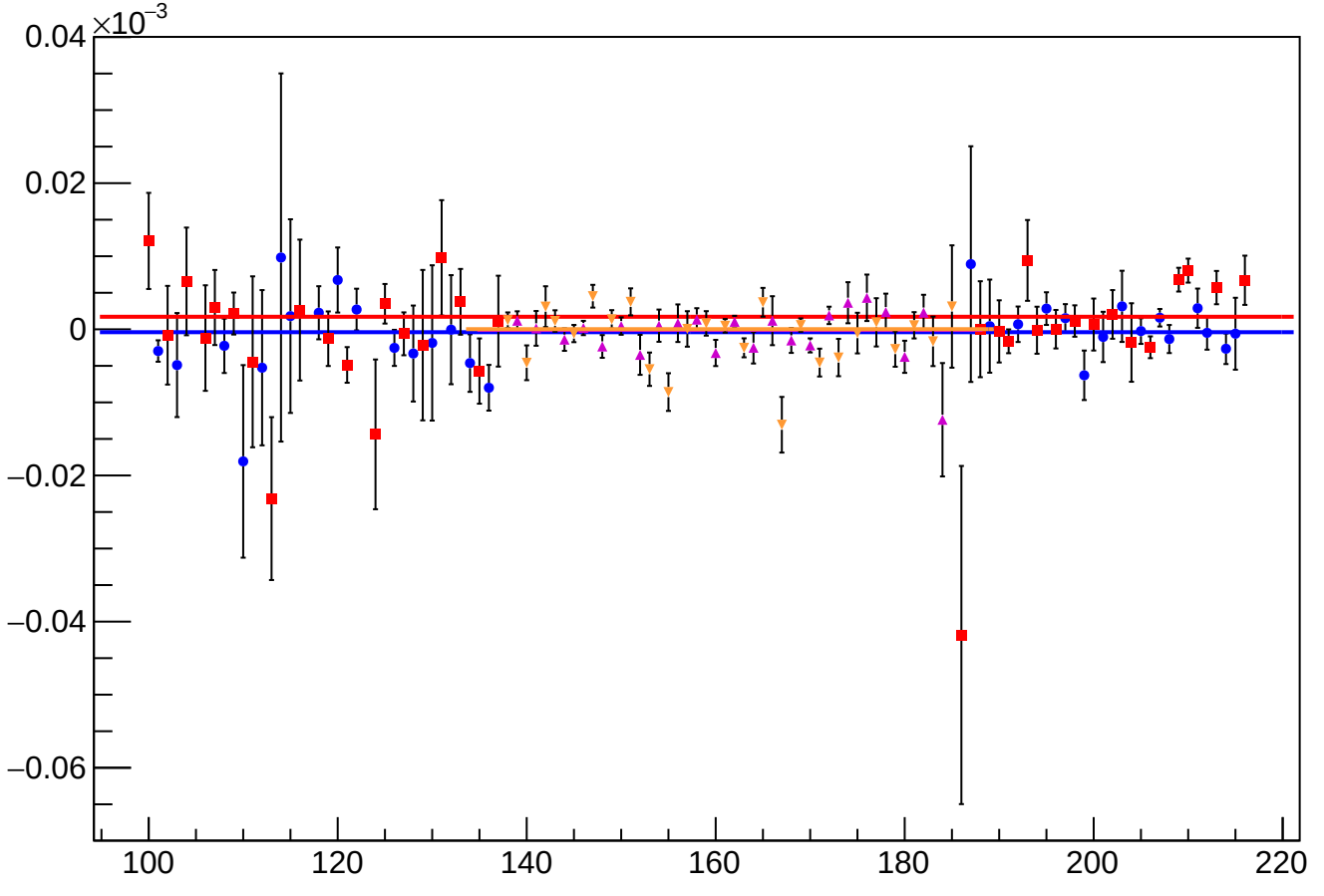
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 42.889+/-0.005 χ^2/NDF: 9995230.7/65

In: 39.092+/-0.005 χ^2/NDF:8535380.5/53

Out: 40.130+/-0.005 χ^2/NDF:9186506.1/59

All: 39.608+/-0.003 χ^2/NDF: 17744163.2/113



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: 73.3/34

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

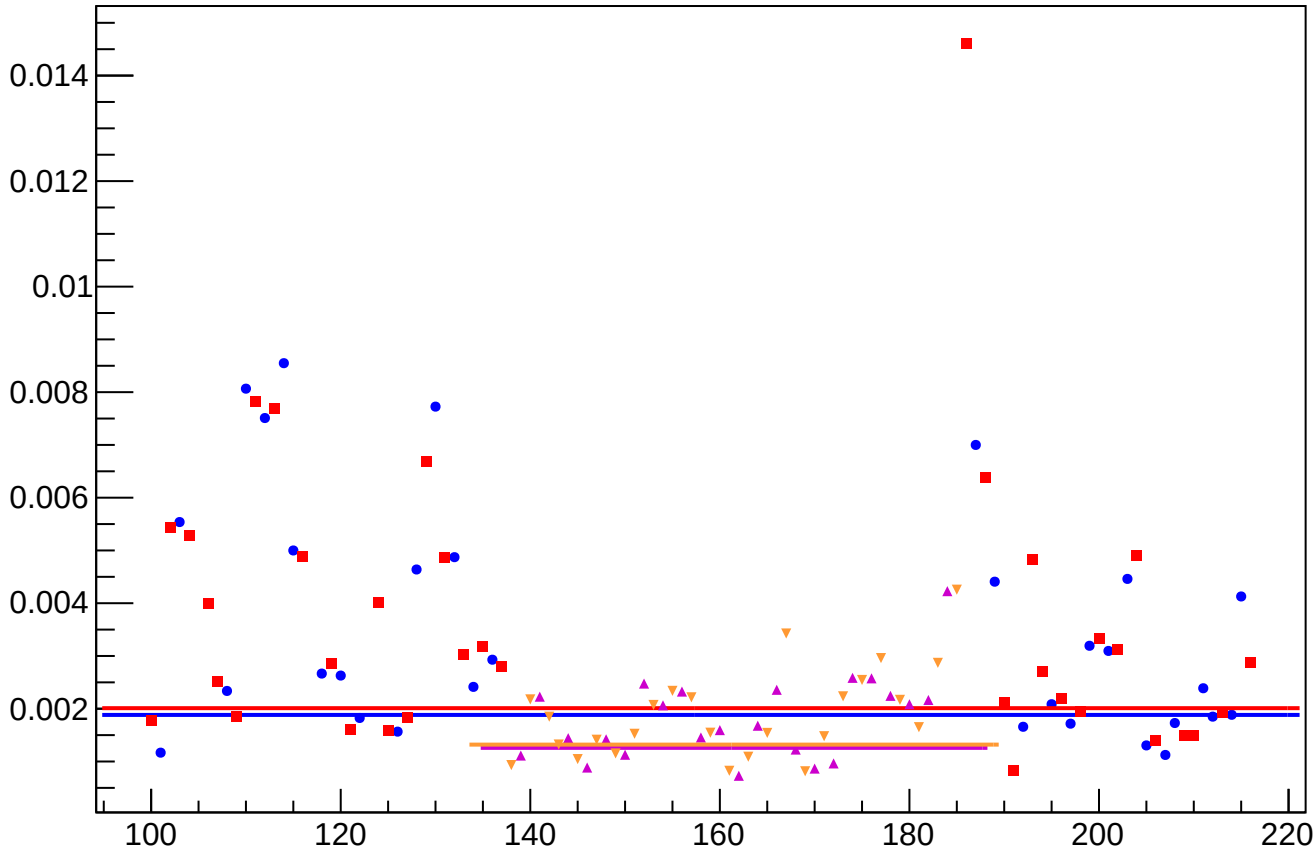
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: 0.000+/-0.000 χ^2/NDF: 112.8/65

In: -0.000+/-0.000 χ^2/NDF:63.6/53

Out: 0.000+/-0.000 χ^2/NDF:148.2/59

All: 0.000+/-0.000 χ^2/NDF: 214.8/113



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: 8640461.1/34

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

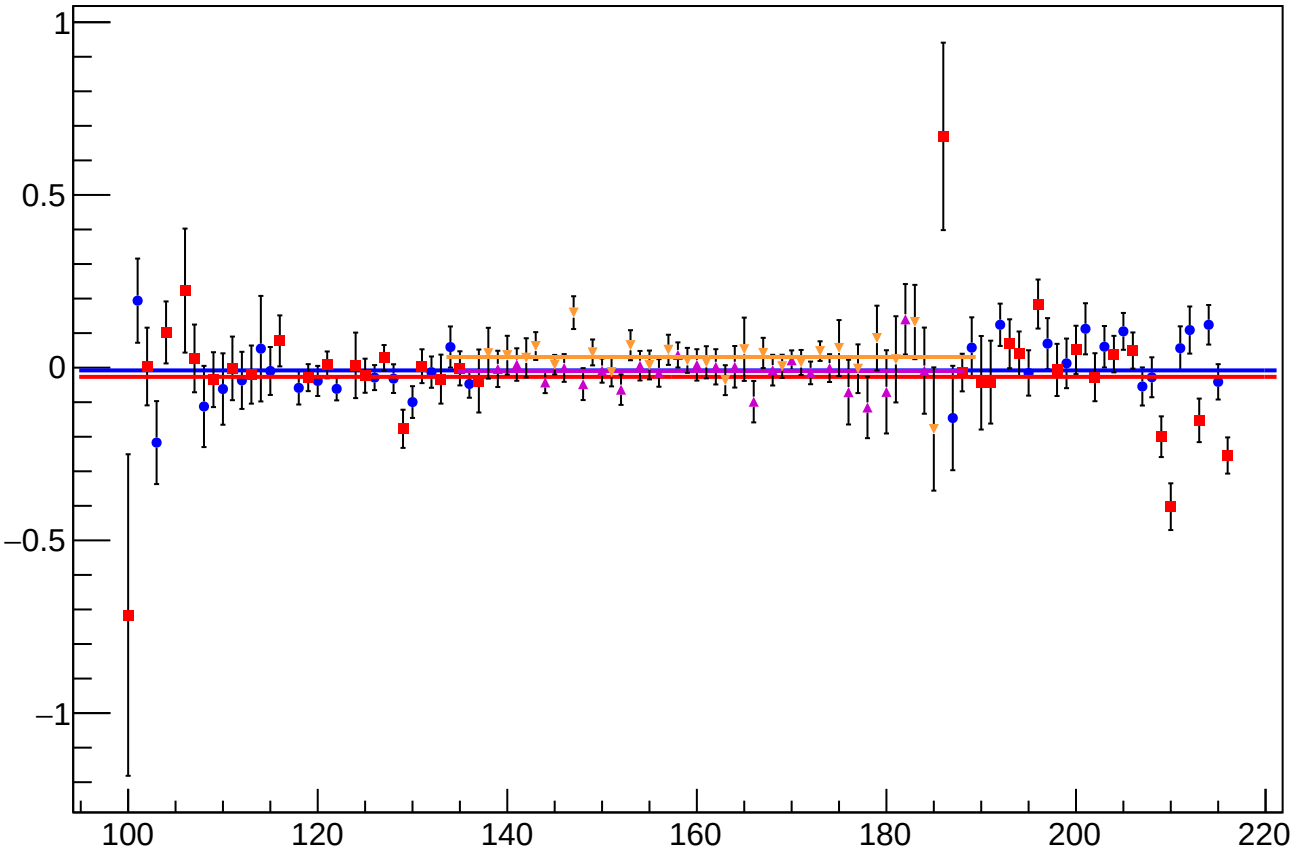
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 15897922.4/65

In: 0.001+/-0.000 χ^2/NDF:14735763.3/53

Out: 0.002+/-0.000 χ^2/NDF:16710289.2/59

All: 0.001+/-0.000 χ^2/NDF: 31506173.5/113



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: -0.027+/-0.011 χ^2/NDF: 105.6/34

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

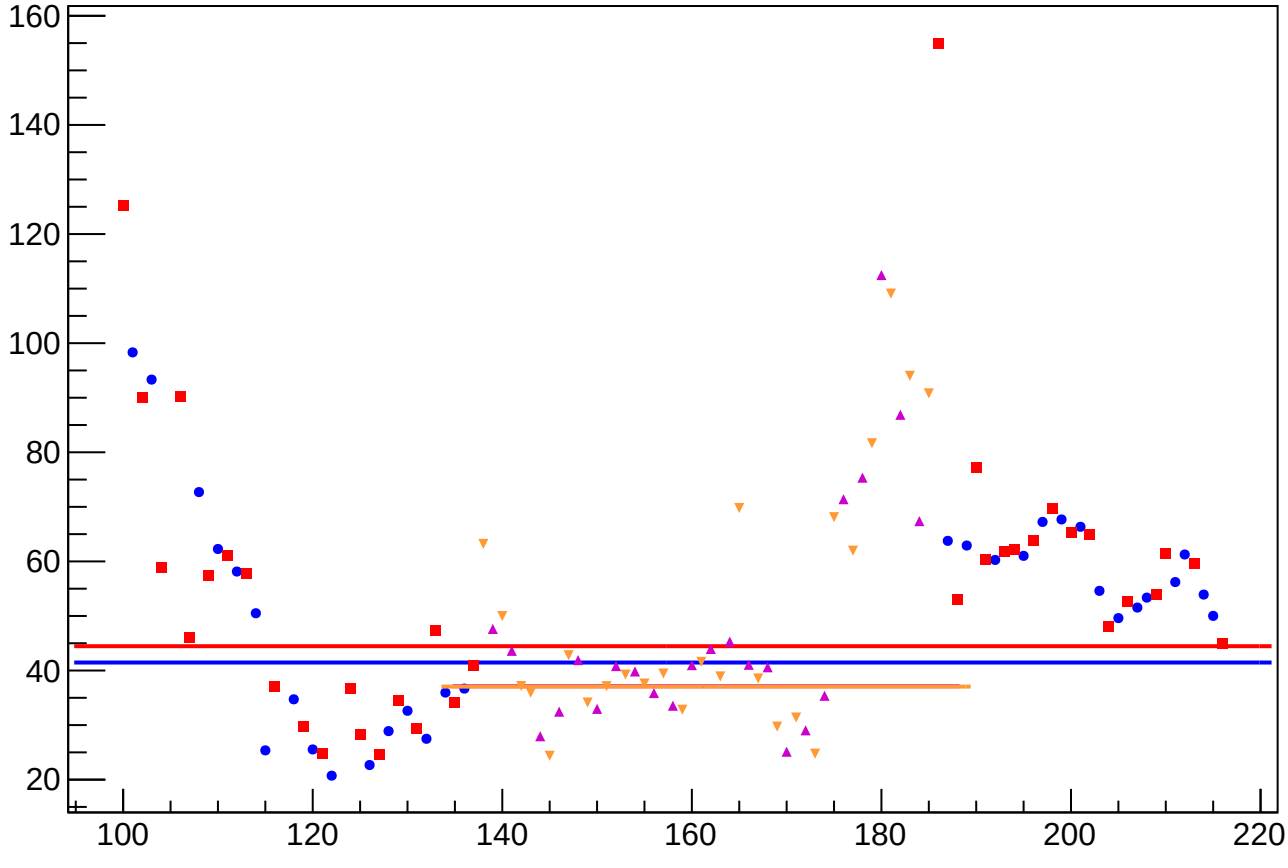
Right: -0.017+/-0.007 χ^2/NDF: 151.5/65

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.007+/-0.007 χ^2/NDF:139.9/59

All: -0.001+/-0.005 χ^2/NDF: 200.1/113

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: 44.458+/-0.008 χ^2/NDF: 4586463.4/34

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

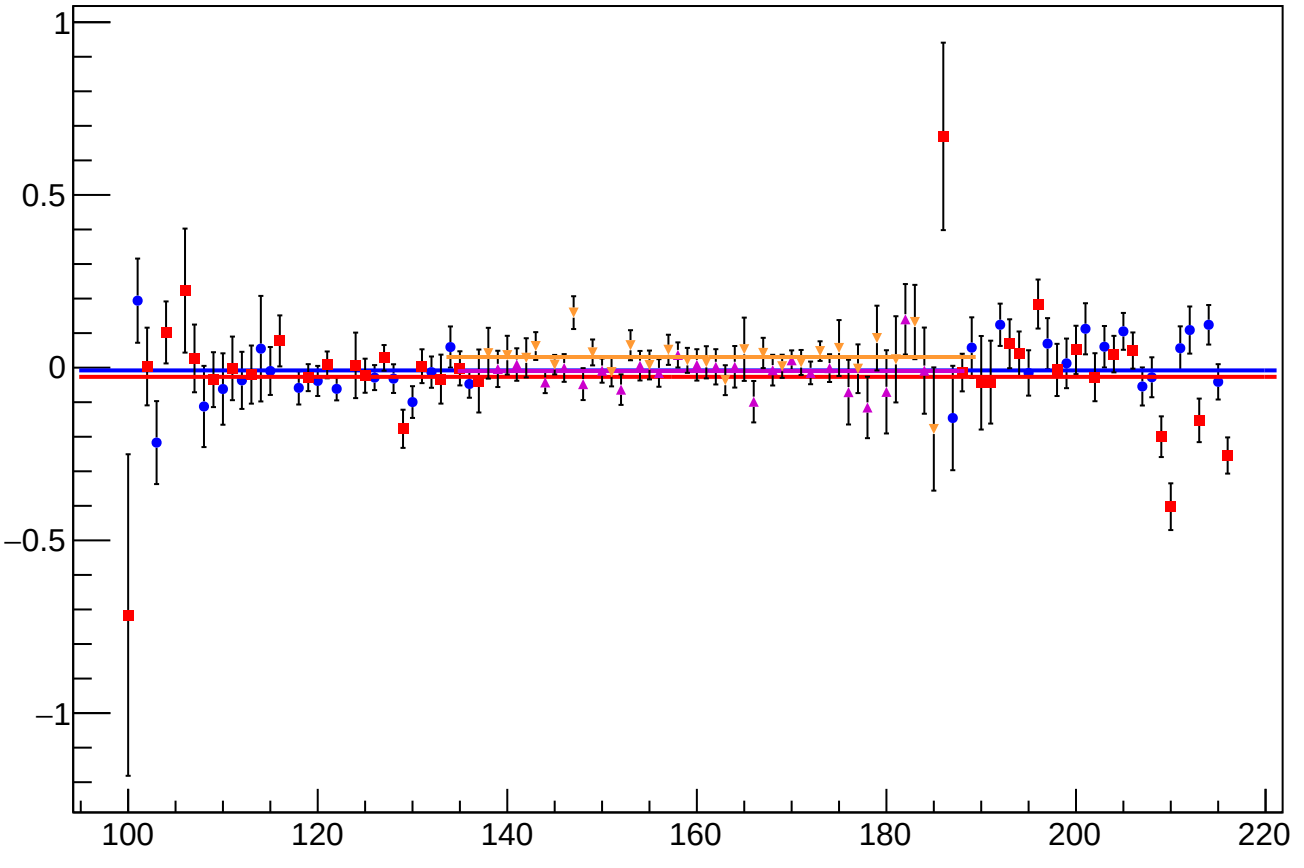
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 42.889+/-0.005 χ^2/NDF: 9994880.7/65

In: 39.092+/-0.005 χ^2/NDF:8535250.2/53

Out: 40.131+/-0.005 χ^2/NDF:9186350.5/59

All: 39.608+/-0.003 χ^2/NDF: 17743877.7/113



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: -0.027+/-0.011 χ^2/NDF: 105.6/34

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

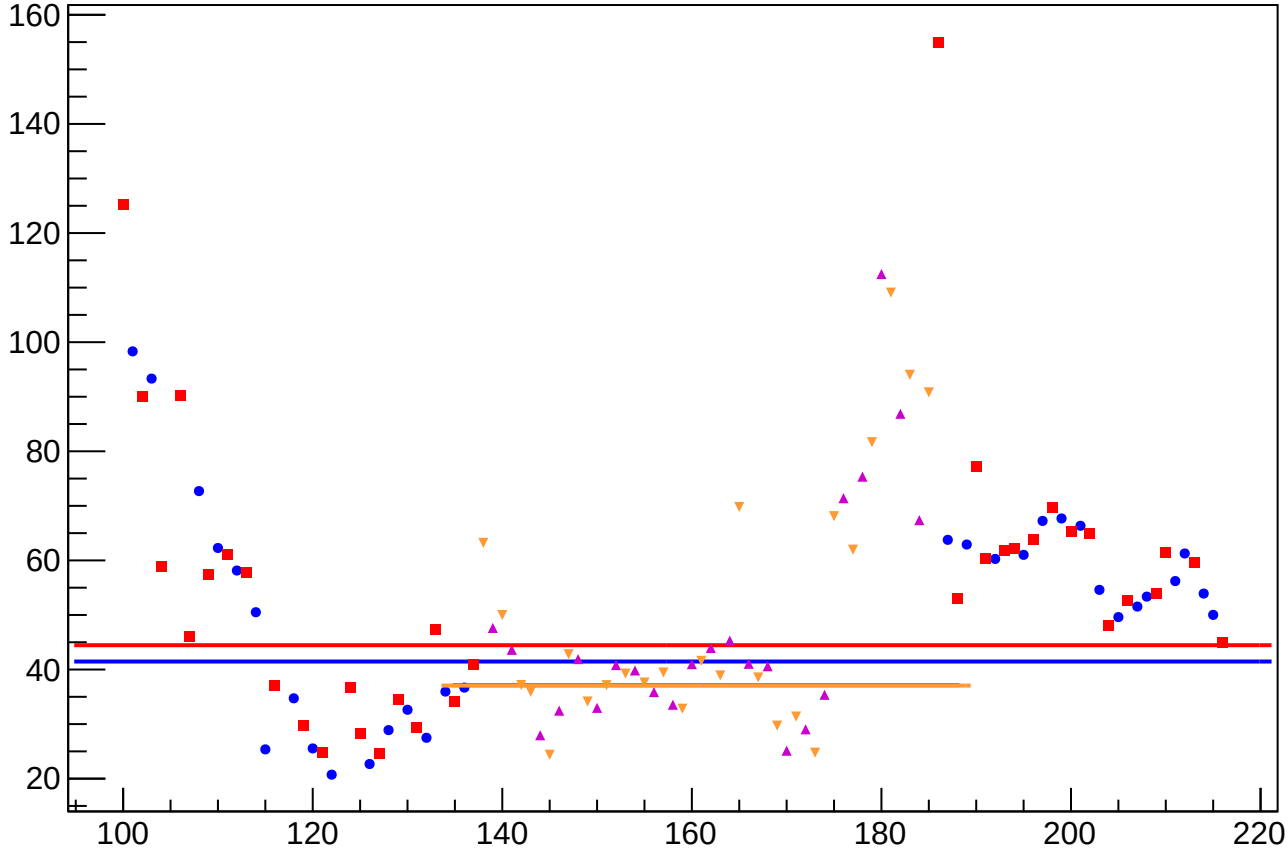
Right: -0.017+/-0.007 χ^2/NDF: 151.5/65

In: -0.009+/-0.007 χ^2/NDF:57.7/53

Out: 0.007+/-0.007 χ^2/NDF:139.9/59

All: -0.001+/-0.005 χ^2/NDF: 200.1/113

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: 44.458+/-0.008 χ^2/NDF: 4586463.4/34

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

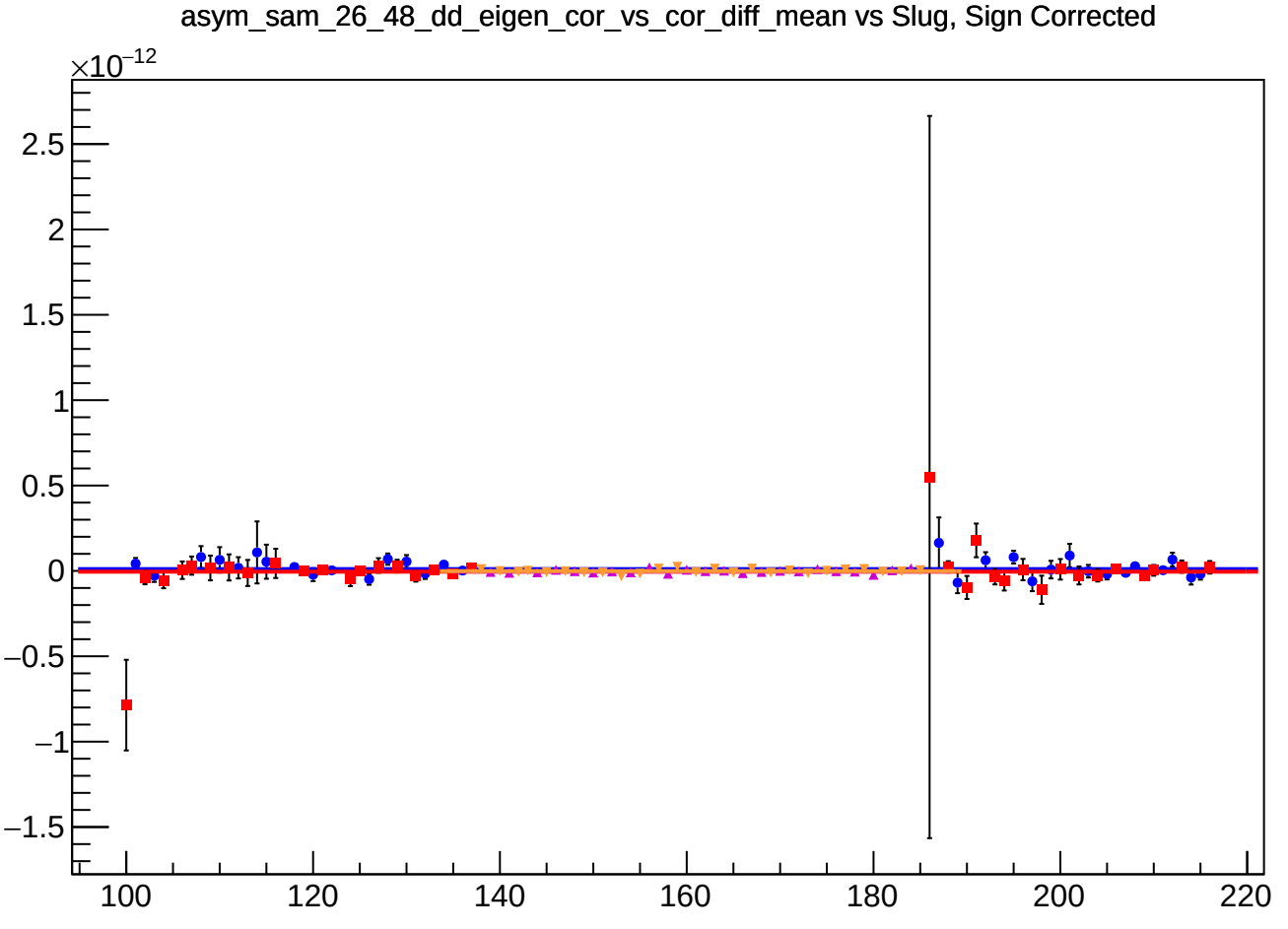
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 42.889+/-0.005 χ^2/NDF: 9994880.7/65

In: 39.092+/-0.005 χ^2/NDF:8535250.2/53

Out: 40.131+/-0.005 χ^2/NDF:9186350.5/59

All: 39.608+/-0.003 χ^2/NDF: 17743877.7/113



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: 29.9/34

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

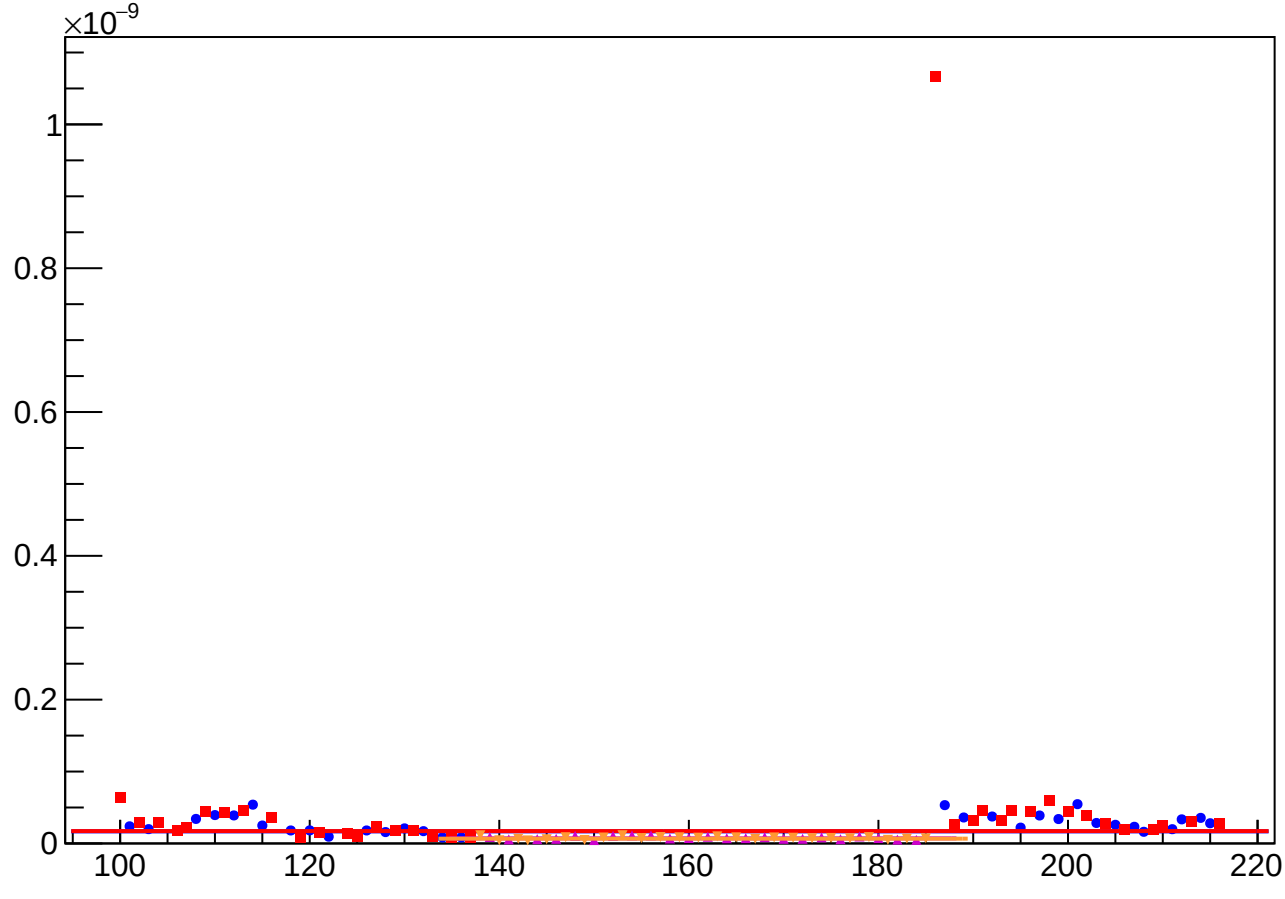
Right: 0.000+/-0.000 χ^2/NDF: 67.5/65

In: -0.000+/-0.000 χ^2/NDF:60.2/53

Out: -0.000+/-0.000 χ^2/NDF:56.2/59

All: -0.000+/-0.000 χ^2/NDF: 116.4/113

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 7823270.1/34

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

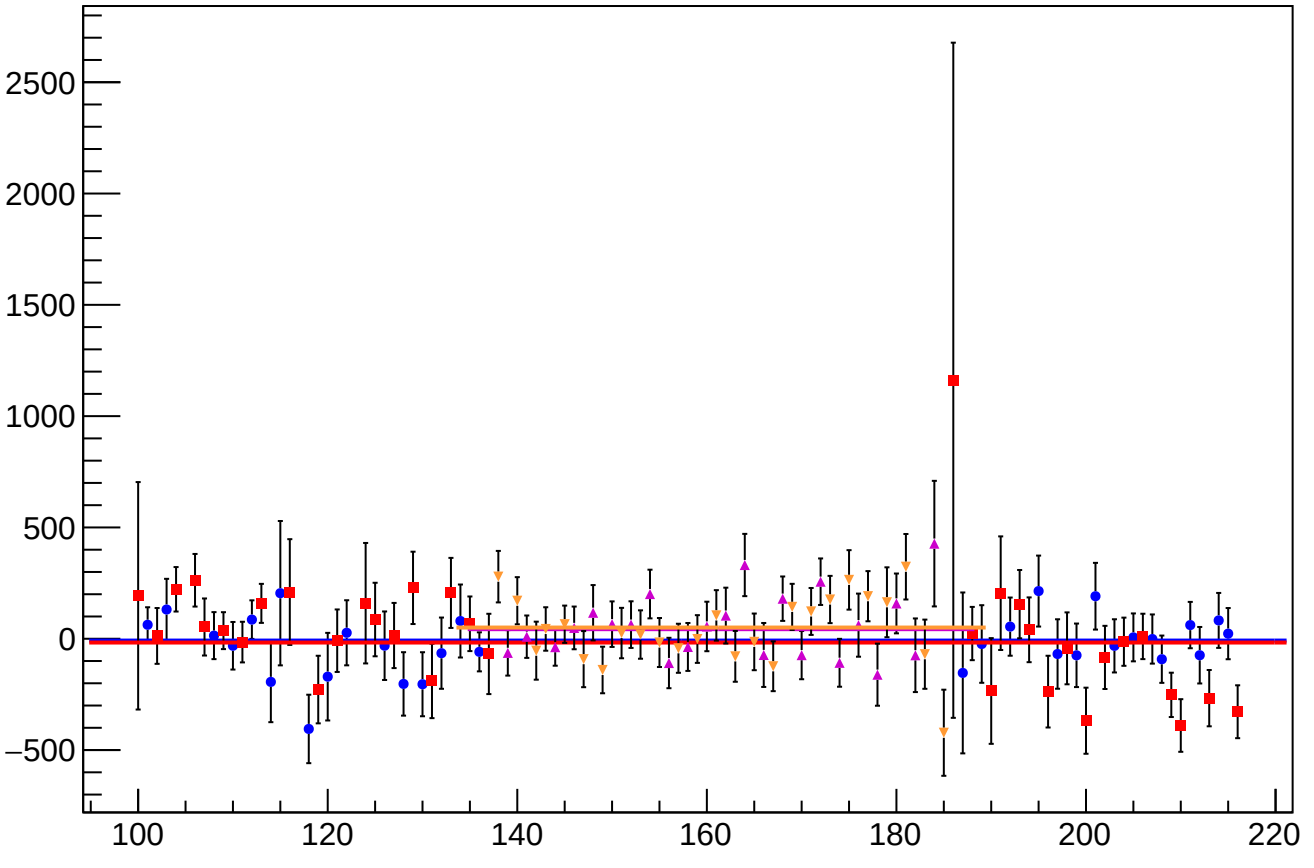
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14219081.3/65

In: 0.000+/-0.000 χ^2/NDF:13612827.6/53

Out: 0.000+/-0.000 χ^2/NDF:16255085.1/59

All: 0.000+/-0.000 χ^2/NDF: 29953121.5/113



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: -16.992+/-22.539 χ^2/NDF: 63.7/34

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

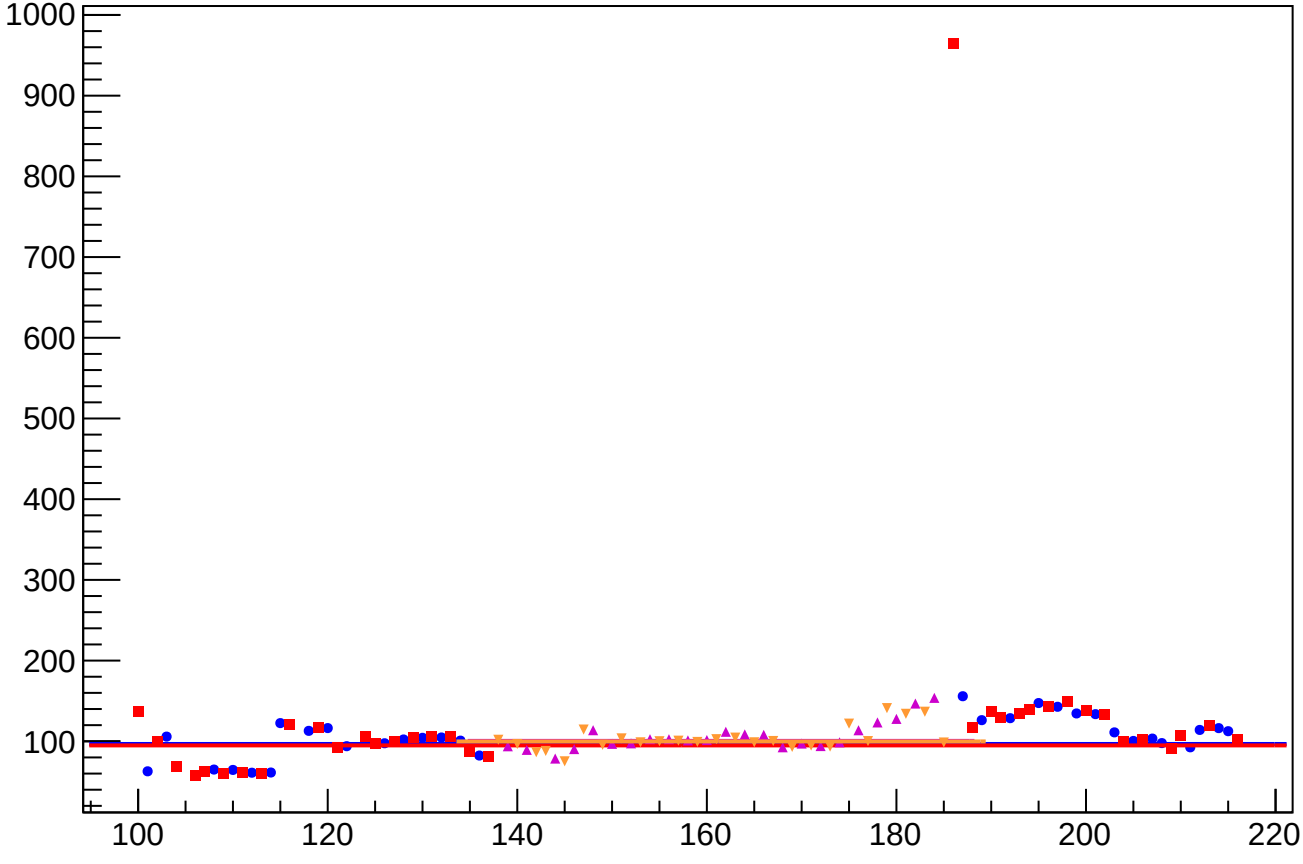
Right: -12.644+/-16.034 χ^2/NDF: 86.8/65

In: 16.380+/-16.456 χ^2/NDF:52.0/53

Out: 16.042+/-16.083 χ^2/NDF:101.5/59

All: 16.207+/-11.502 χ^2/NDF: 153.6/113

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: 94.911+/-0.016 χ^2/NDF: 3545542.9/34

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

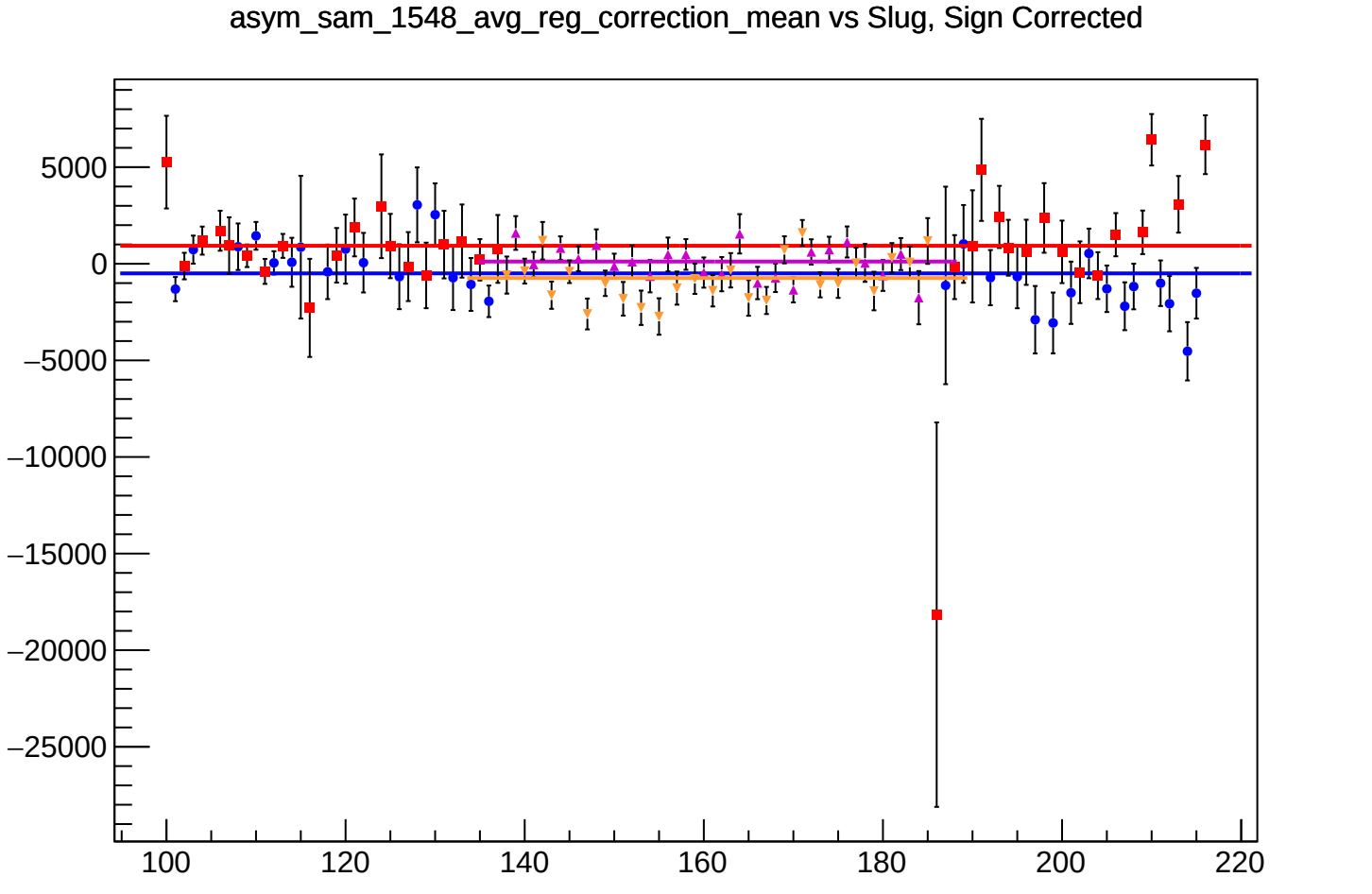
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 95.782+/-0.011 χ^2/NDF: 5868309.4/65

In: 98.509+/-0.012 χ^2/NDF:3000501.2/53

Out: 97.330+/-0.011 χ^2/NDF:4290234.1/59

All: 97.906+/-0.008 χ^2/NDF: 7295990.6/113



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: 932.596+/-203.094 χ^2/NDF: 57.5/34

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

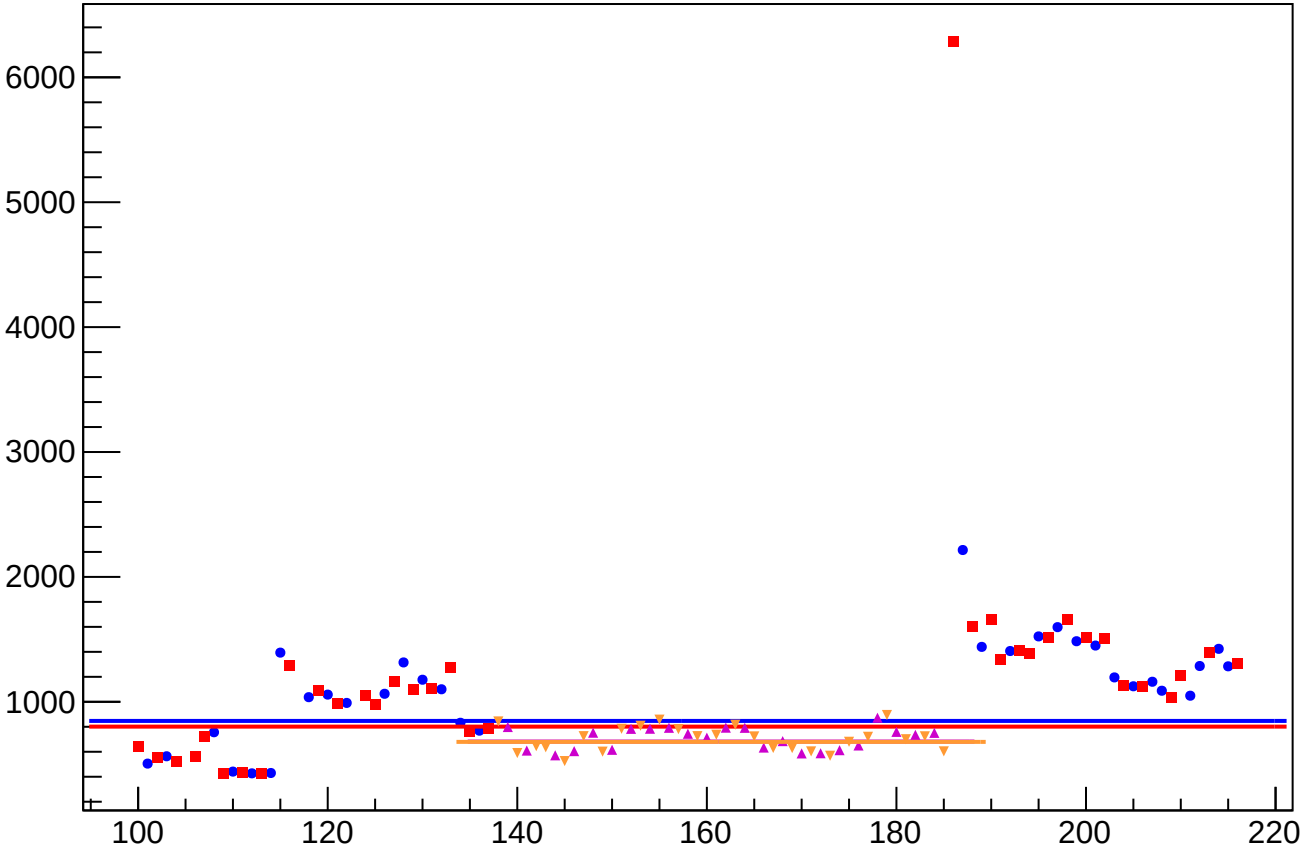
Right: 247.974+/-146.577 χ^2/NDF: 124.4/65

In: -108.507+/-128.159 χ^2/NDF:72.2/53

Out: -116.764+/-123.871 χ^2/NDF:149.7/59

All: -112.776+/-89.067 χ^2/NDF: 221.9/113

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



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: 801.311+/-0.144 χ^2/NDF: 8129795.1/34

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

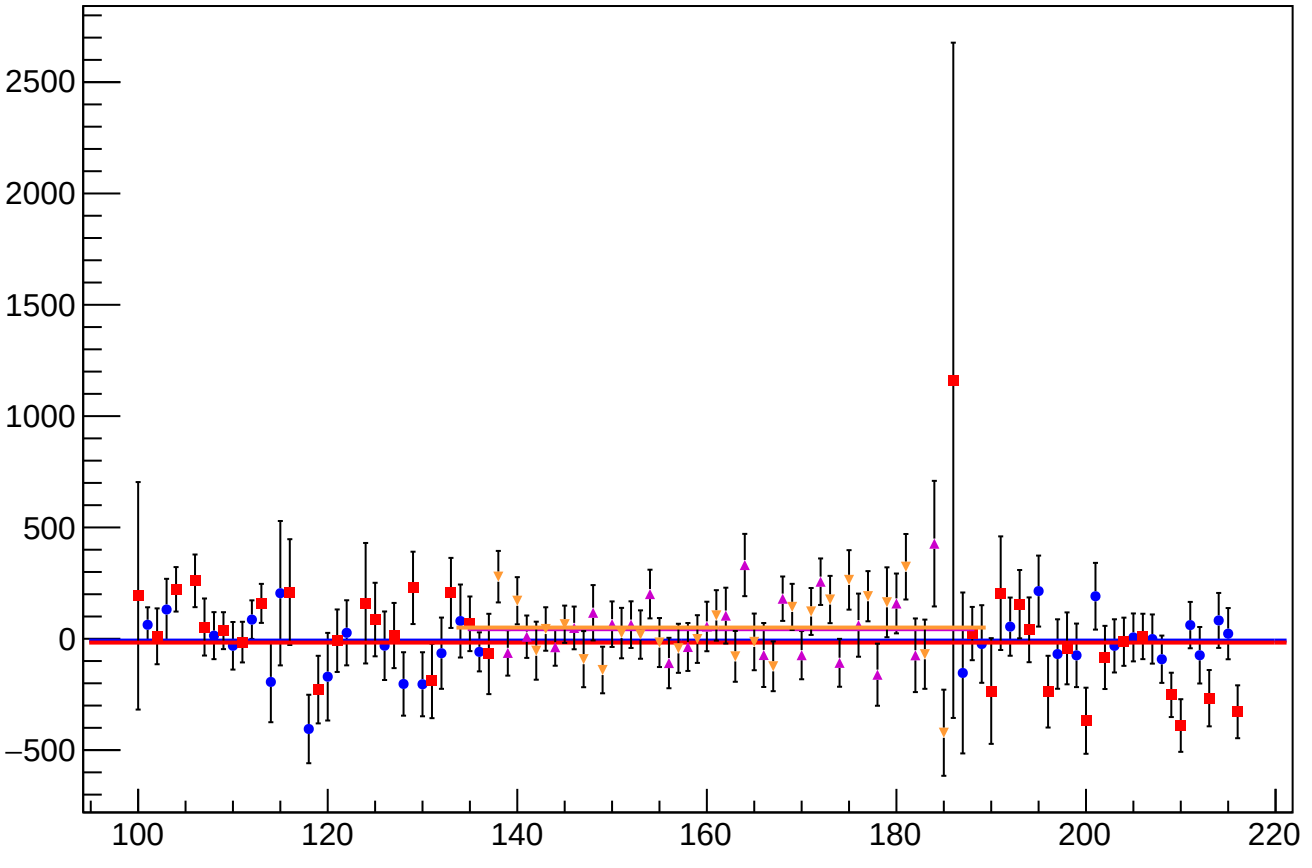
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 823.182+/-0.104 χ^2/NDF: 14505011.4/65

In: 742.353+/-0.091 χ^2/NDF:7670738.5/53

Out: 724.592+/-0.088 χ^2/NDF:9321668.1/59

All: 733.170+/-0.063 χ^2/NDF: 17012266.6/1



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: -17.144+/-22.540 χ^2/NDF: 63.6/34

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

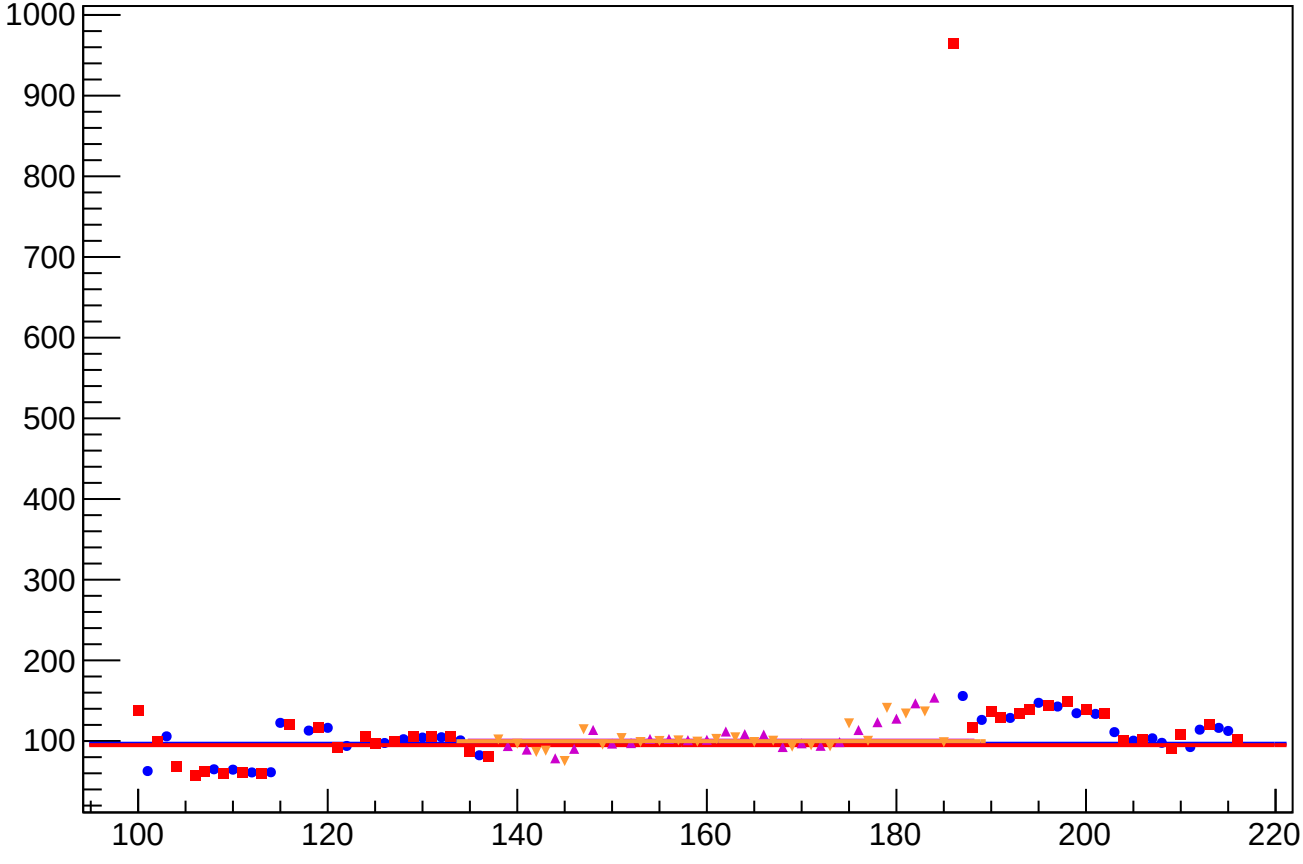
Right: -12.722+/-16.034 χ^2/NDF: 86.7/65

In: 16.379+/-16.456 χ^2/NDF:52.0/53

Out: 15.970+/-16.084 χ^2/NDF:101.4/59

All: 16.170+/-11.502 χ^2/NDF: 153.5/113

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: 94.902+/-0.016 χ^2/NDF: 3548988.5/34

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

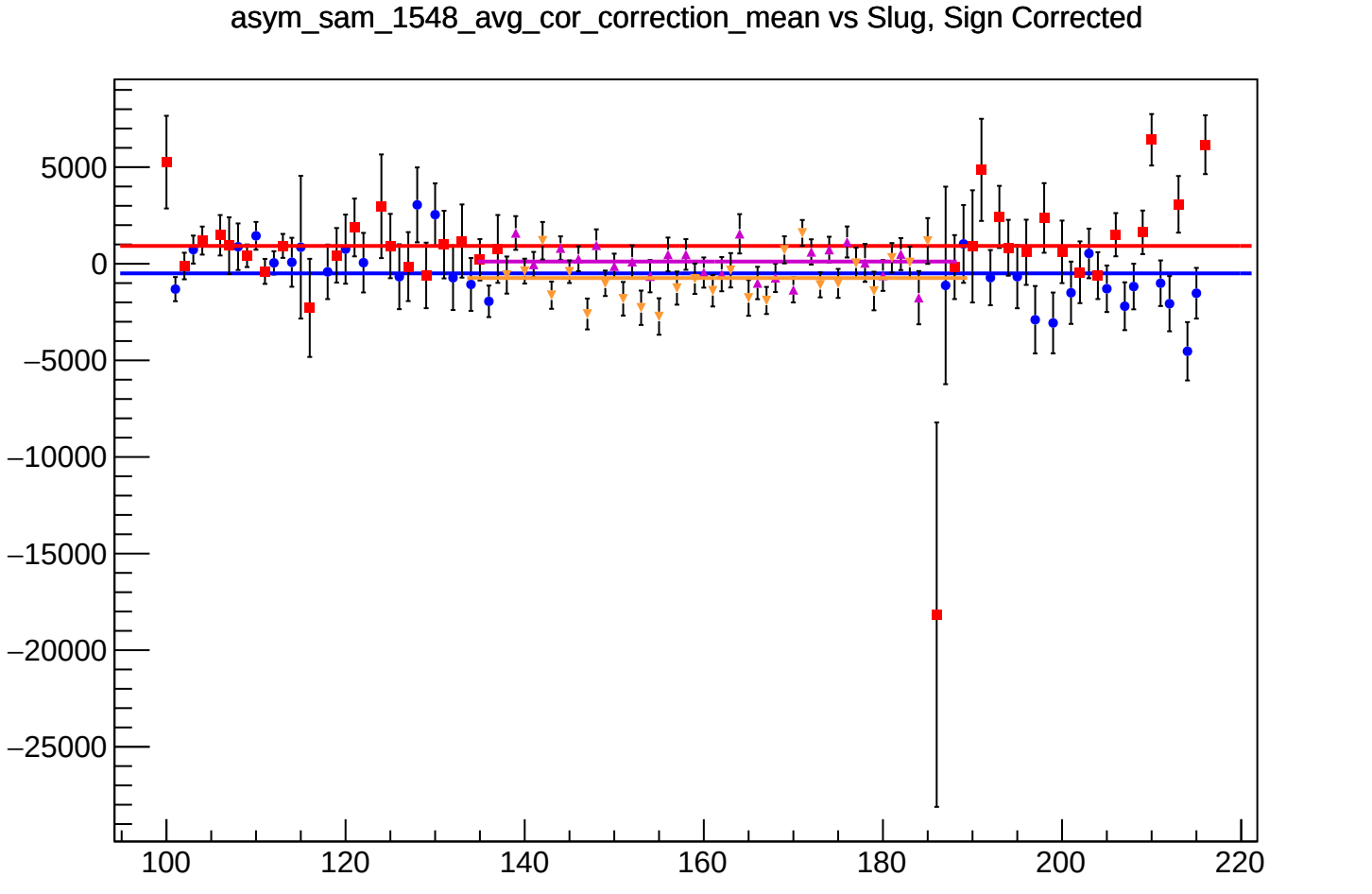
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 95.778+/-0.011 χ^2/NDF: 5871820.6/65

In: 98.509+/-0.012 χ^2/NDF:3000502.1/53

Out: 97.325+/-0.011 χ^2/NDF:4293857.5/59

All: 97.903+/-0.008 χ^2/NDF: 7299656.9/113



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: 923.546+/-203.185 χ^2/NDF: 57.2/34

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

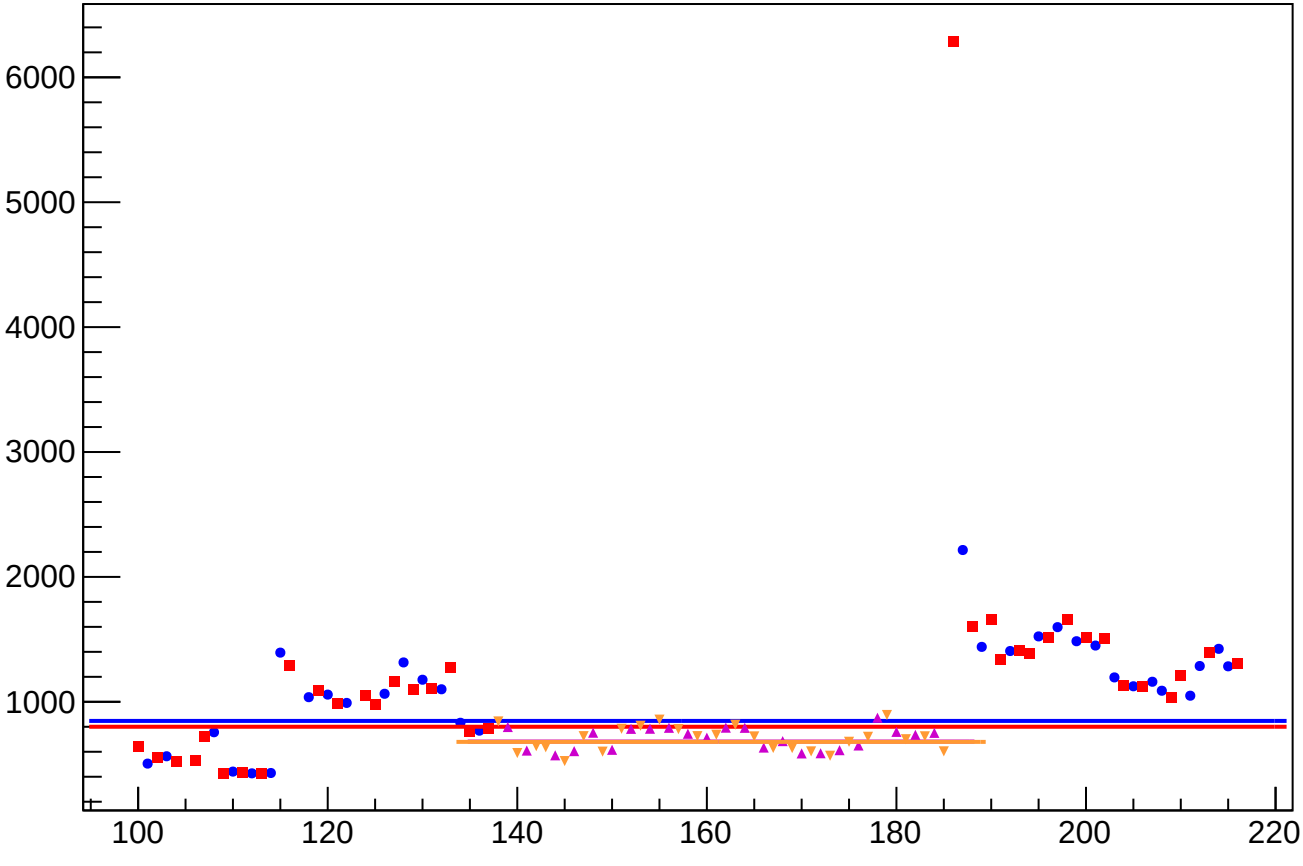
Right: 242.936+/-146.612 χ^2/NDF: 123.8/65

In: -108.513+/-128.159 χ^2/NDF:72.2/53

Out: -120.472+/-123.891 χ^2/NDF:148.9/59

All: -114.695+/-89.075 χ^2/NDF: 221.1/113

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



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: 800.273+/-0.144 χ^2/NDF: 8158459.6/34

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

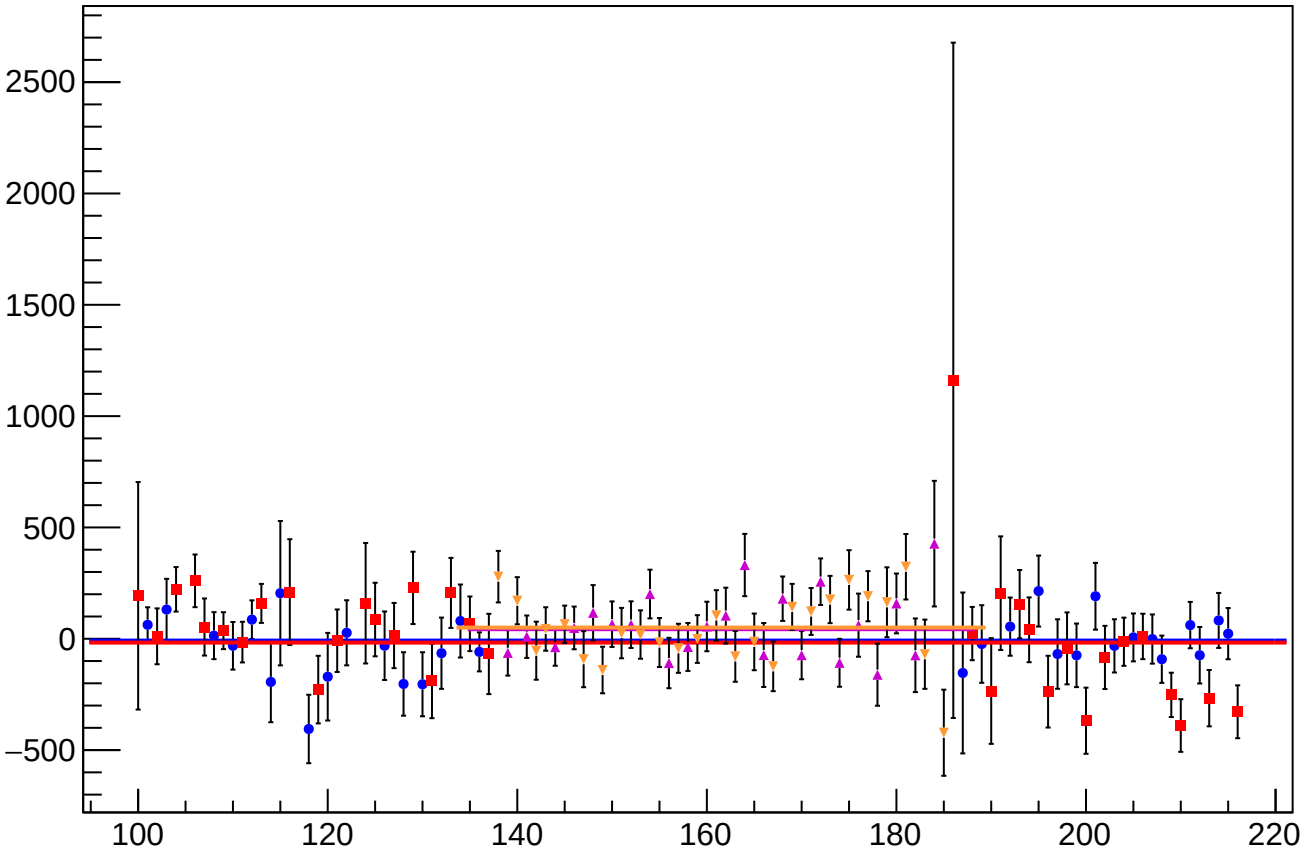
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 822.656+/-0.104 χ^2/NDF: 14535718.5/65

In: 742.356+/-0.091 χ^2/NDF:7670638.3/53

Out: 724.180+/-0.088 χ^2/NDF:9342390.5/59

All: 732.961+/-0.063 χ^2/NDF: 17033823.0/11



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: -17.144+/-22.540 χ^2/NDF: 63.6/34

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

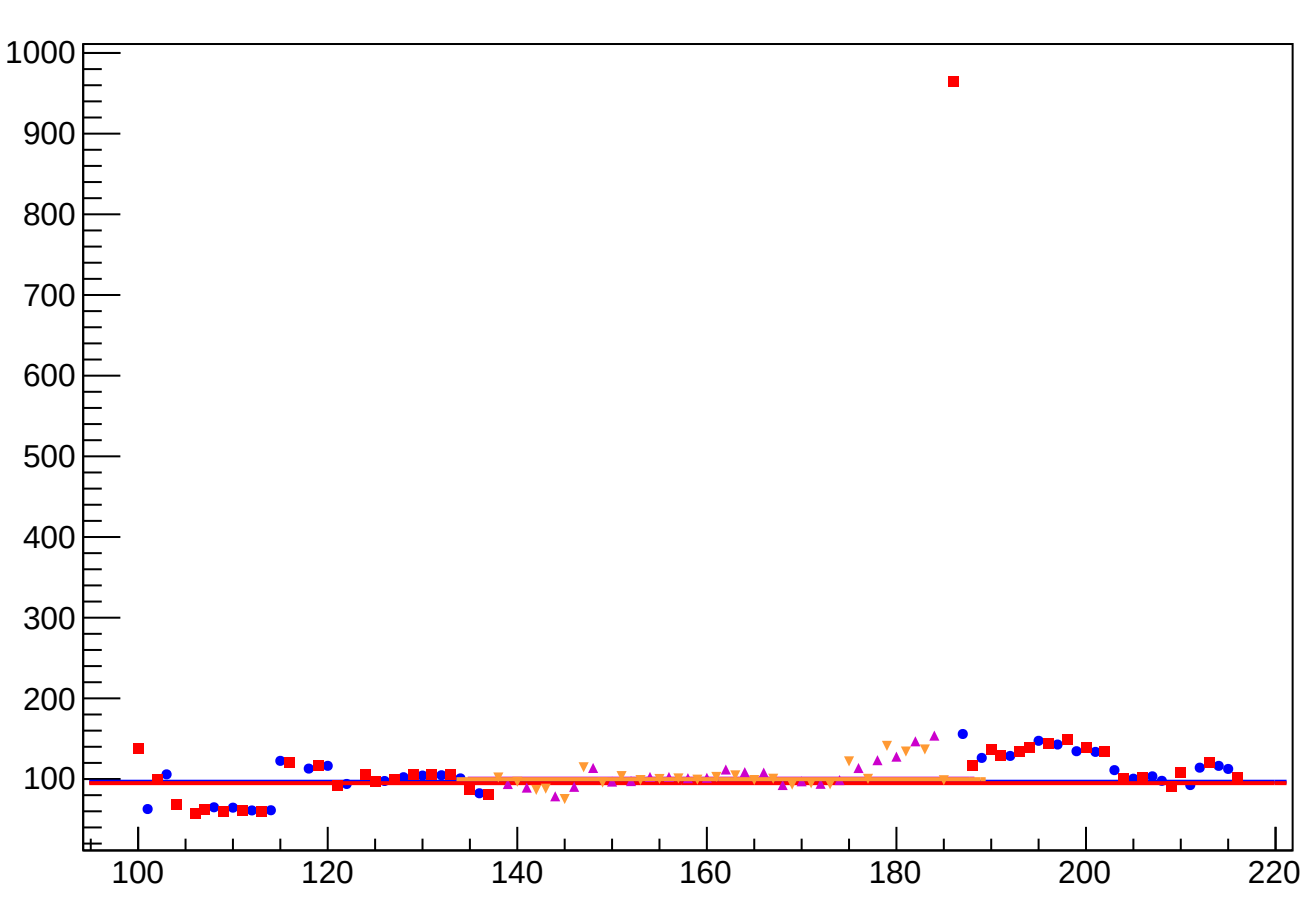
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: -12.722+/-16.034 χ^2/NDF: 86.7/65

In: 16.379+/-16.456 χ^2/NDF:52.0/53

Out: 15.970+/-16.084 χ^2/NDF:101.4/59

All: 16.170+/-11.502 χ^2/NDF: 153.5/113



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: 94.902+/-0.016 χ^2/NDF: 3548988.5/34

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

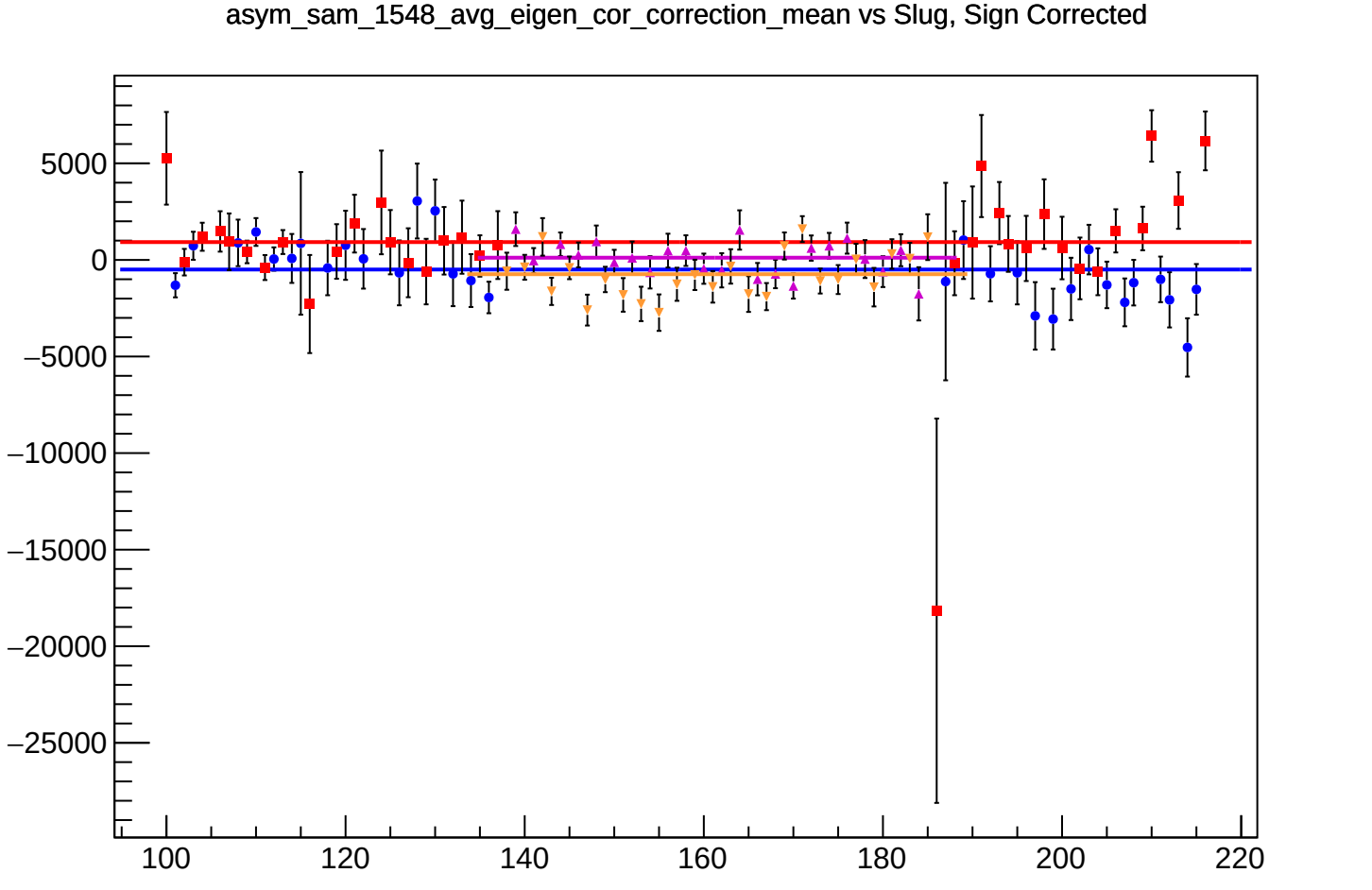
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 95.778+/-0.011 χ^2/NDF: 5871820.6/65

In: 98.509+/-0.012 χ^2/NDF:3000502.1/53

Out: 97.325+/-0.011 χ^2/NDF:4293857.5/59

All: 97.903+/-0.008 χ^2/NDF: 7299656.9/113



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: 923.546+/-203.185 χ^2/NDF: 57.2/34

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

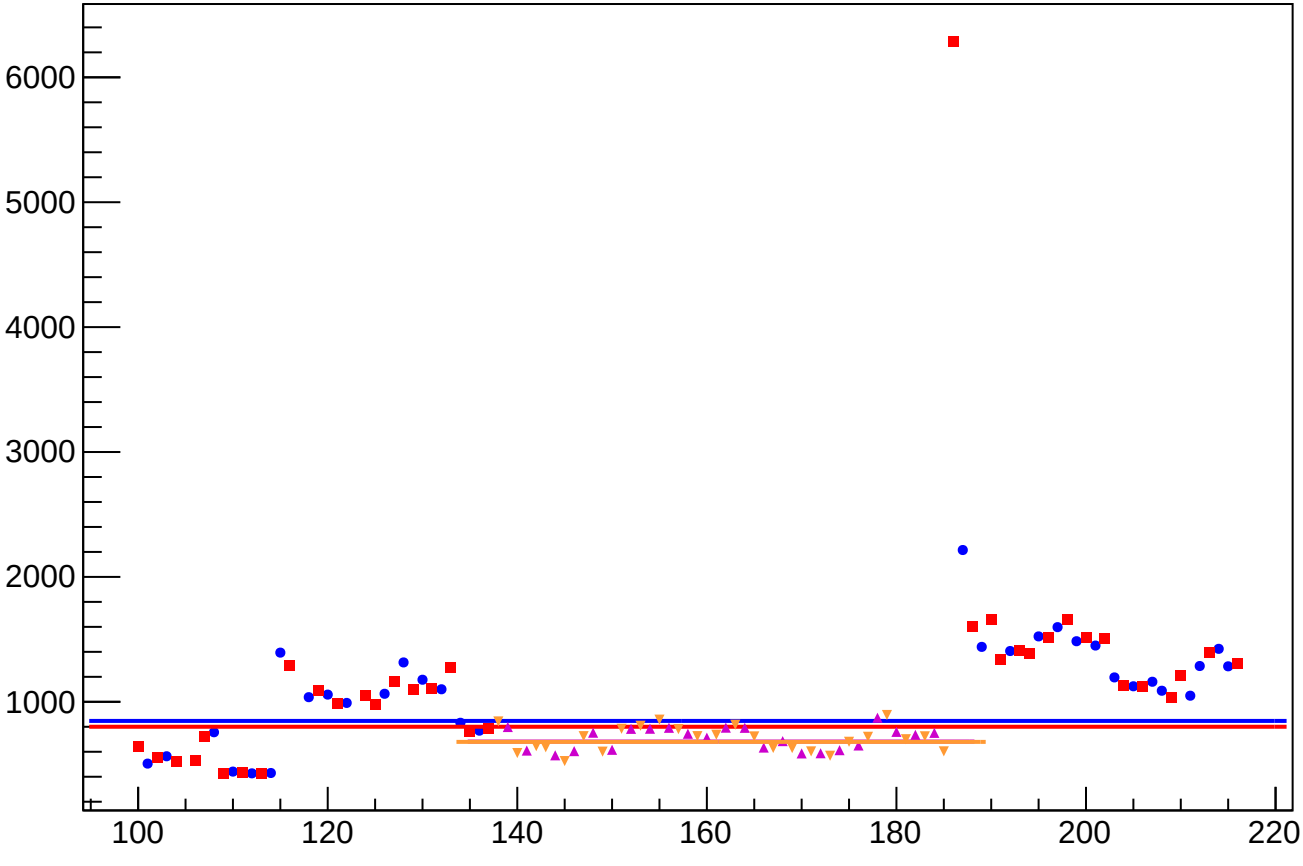
Right: 242.936+/-146.612 χ^2/NDF: 123.8/65

In: -108.513+/-128.159 χ^2/NDF:72.2/53

Out: -120.472+/-123.891 χ^2/NDF:148.9/59

All: -114.695+/-89.075 χ^2/NDF: 221.1/113

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 800.273+/-0.144 χ^2/NDF: 8158459.6/34

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

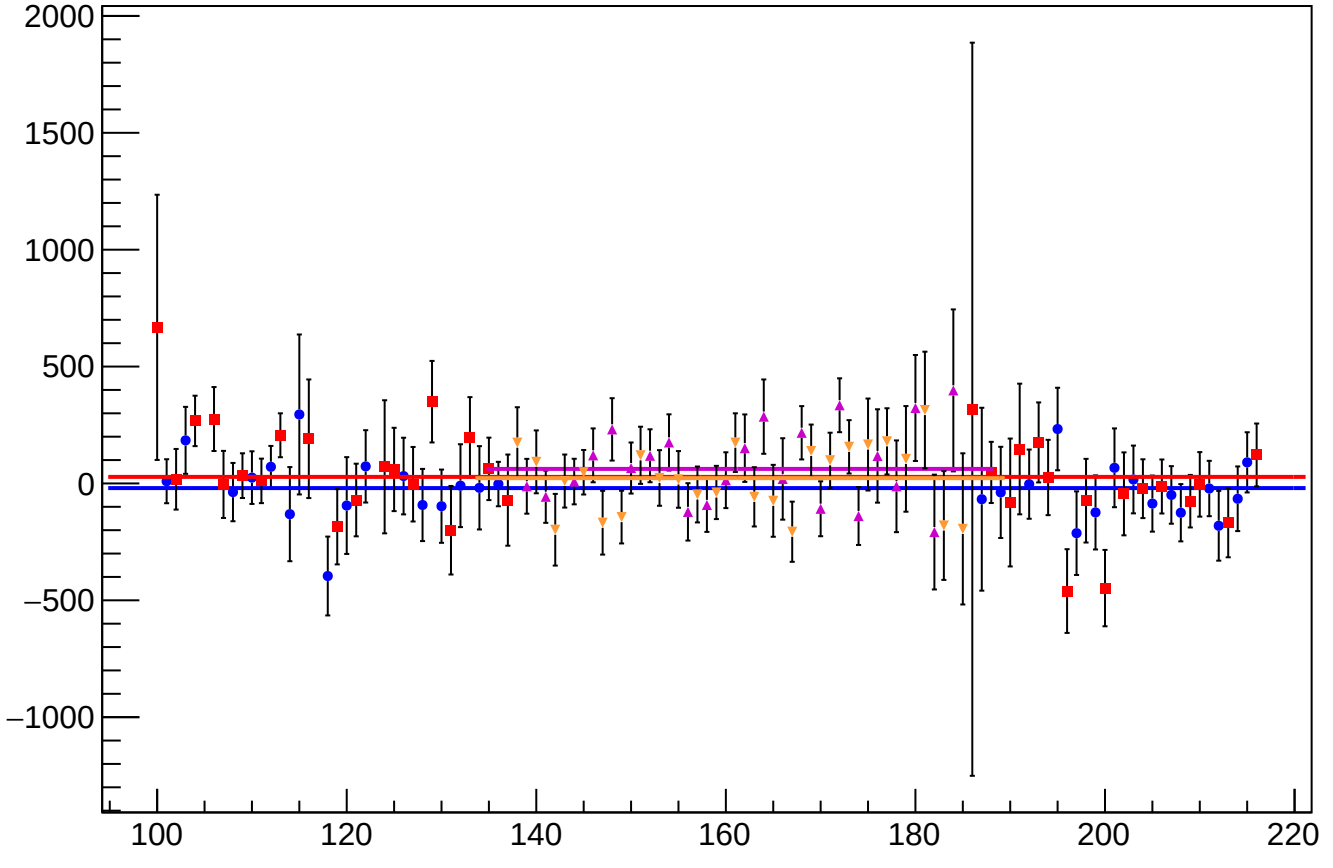
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 822.656+/-0.104 χ^2/NDF: 14535718.5/65

In: 742.356+/-0.091 χ^2/NDF:7670638.3/53

Out: 724.180+/-0.088 χ^2/NDF:9342390.5/59

All: 732.961+/-0.063 χ^2/NDF: 17033823.0/1



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: 28.008+/-25.006 χ^2/NDF: 43.0/34

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

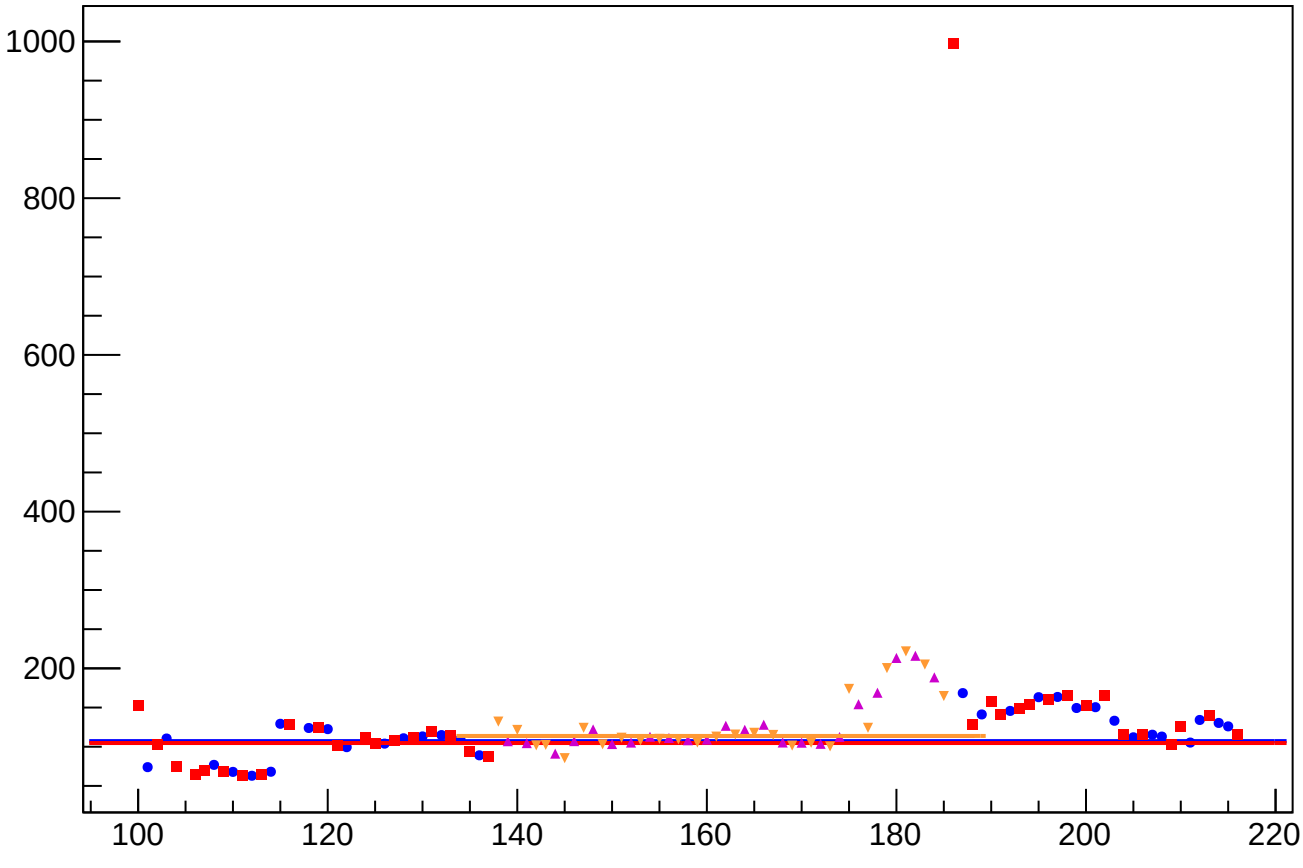
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 4.402+/-17.812 χ^2/NDF: 62.5/65

In: 18.080+/-18.600 χ^2/NDF:49.8/53

Out: 25.448+/-18.233 χ^2/NDF:64.6/59

All: 21.838+/-13.021 χ^2/NDF: 114.5/113



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: 104.721+/-0.018 χ^2/NDF: 3774963.7/34

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

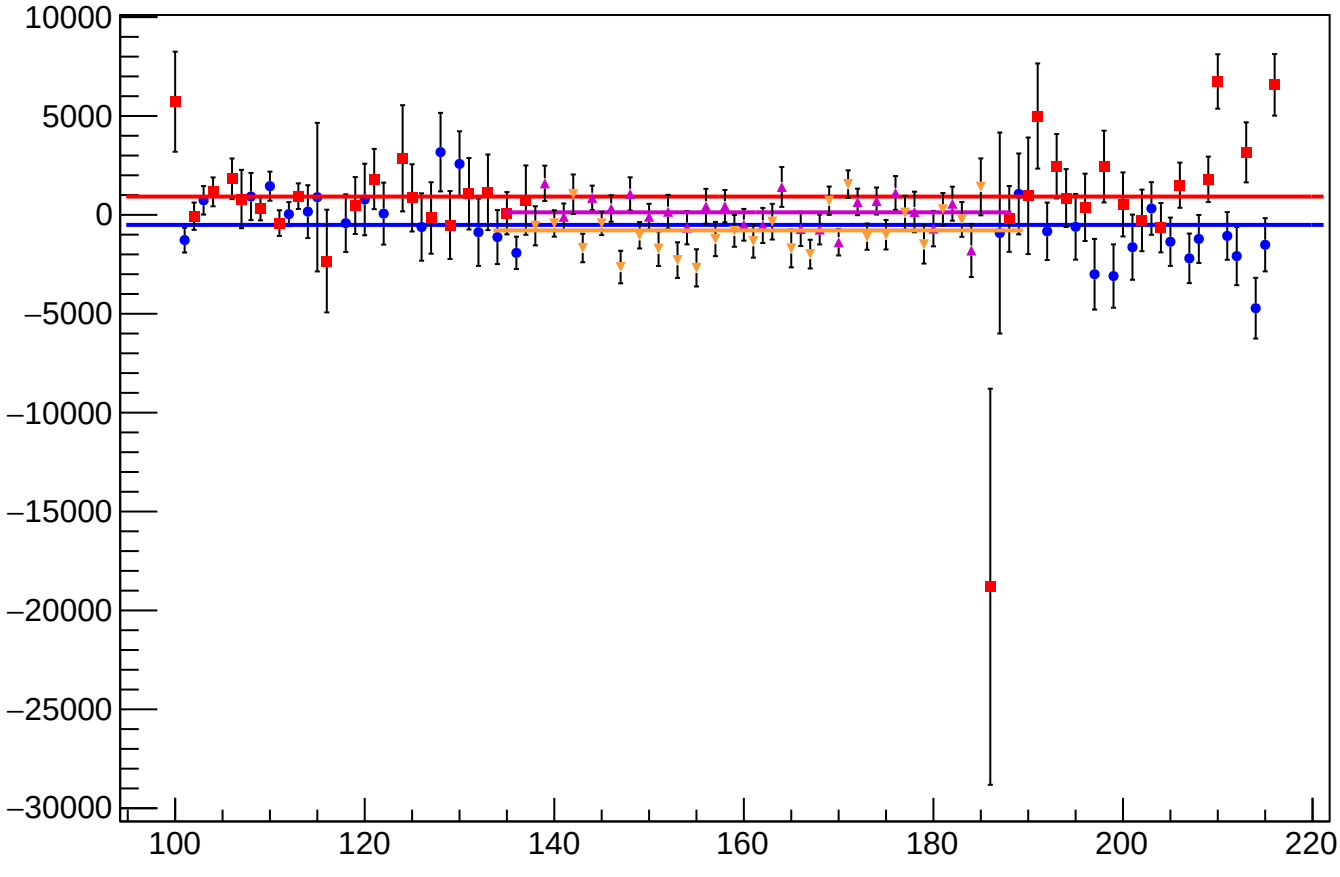
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 105.928+/-0.013 χ^2/NDF: 6251925.0/65

In: 110.182+/-0.013 χ^2/NDF:3844384.6/53

Out: 108.957+/-0.013 χ^2/NDF:5477428.8/59

All: 109.558+/-0.009 χ^2/NDF: 9326238.0/113



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: 924.535+/-205.654 χ^2/NDF: 60.9/34

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

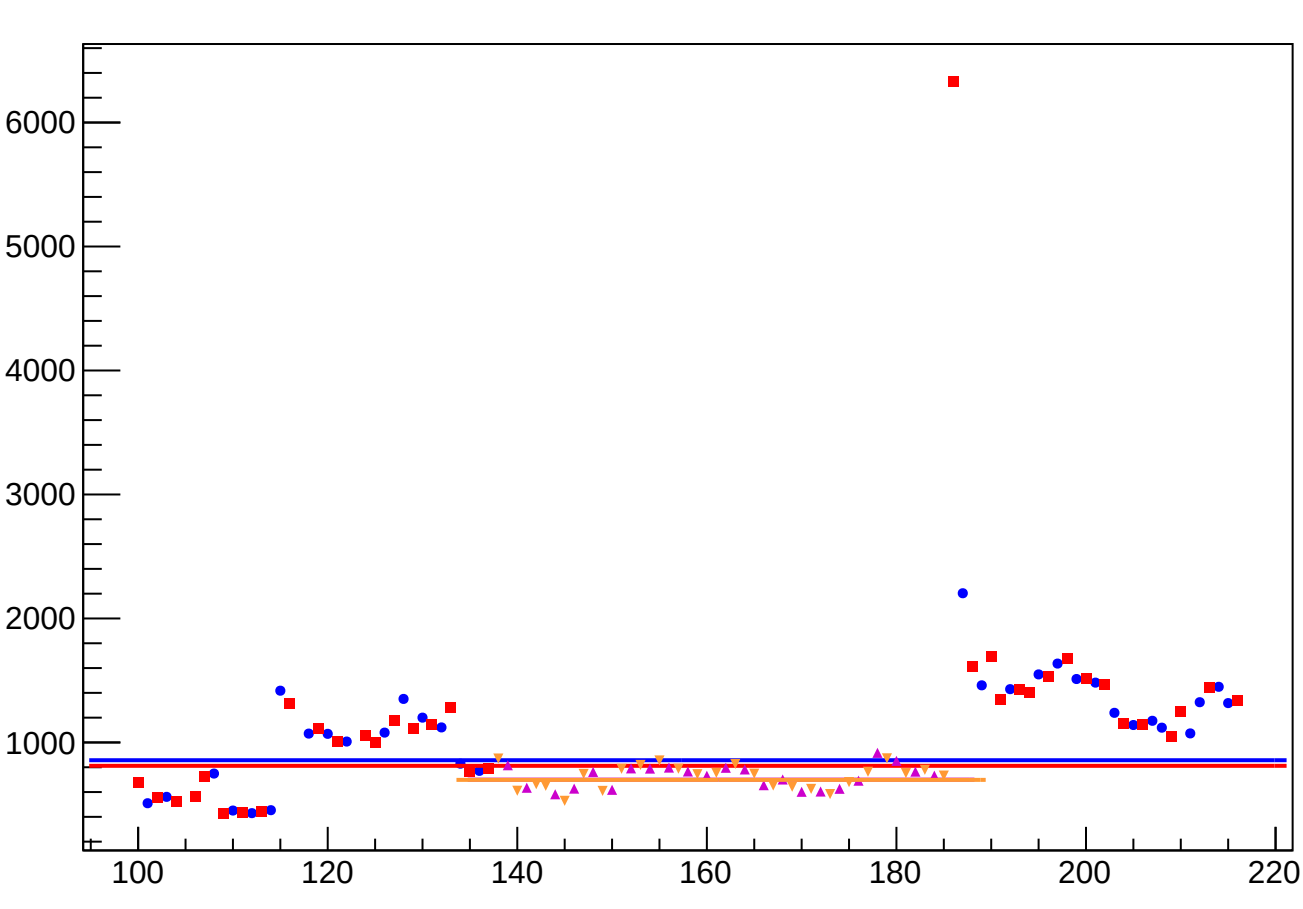
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 239.148+/-148.466 χ^2/NDF: 127.2/65

In: -108.288+/-130.922 χ^2/NDF:71.4/53

Out: -137.542+/-126.519 χ^2/NDF:149.2/59

All: -123.415+/-90.979 χ^2/NDF: 220.6/113



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: 811.623+/-0.145 χ^2/NDF: 8144803.5/34

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

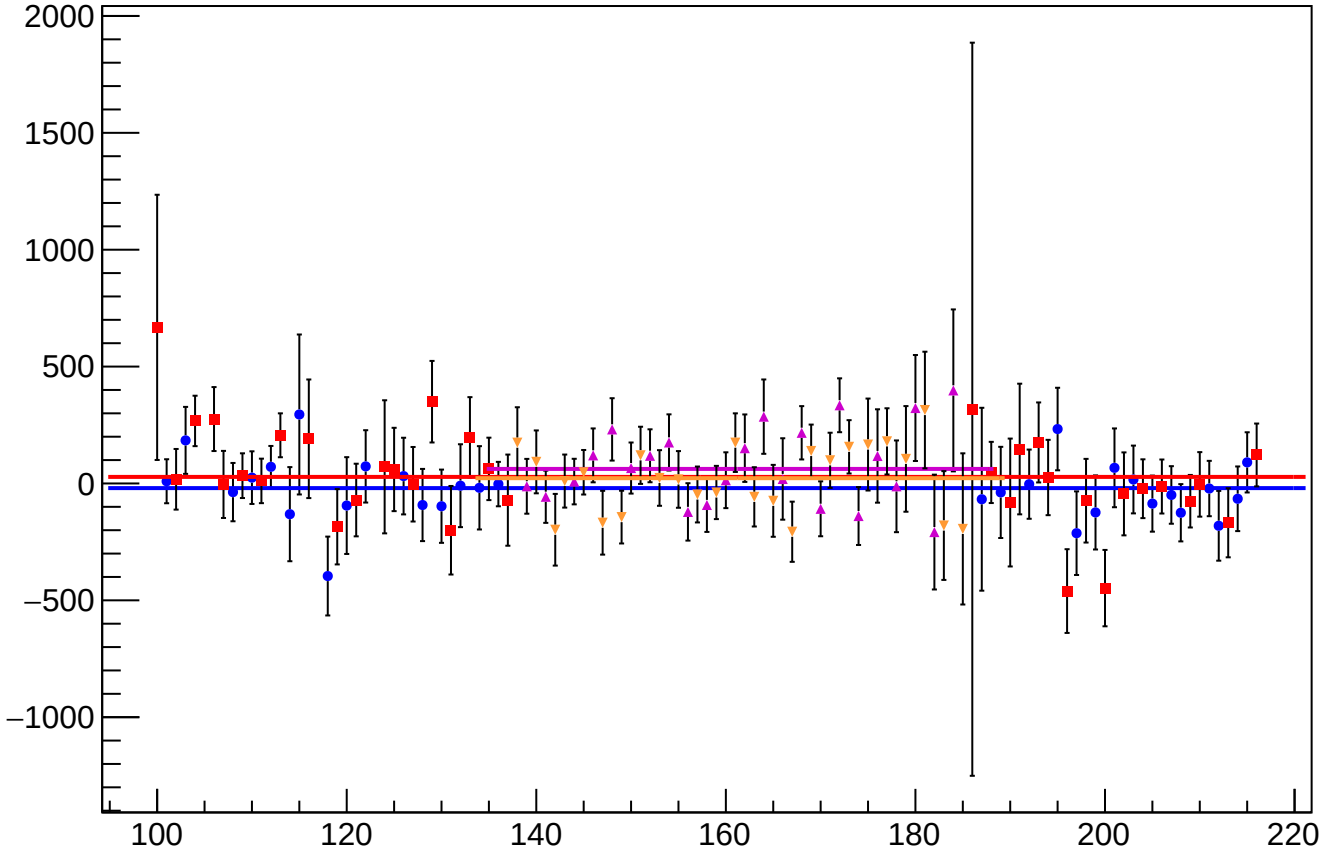
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 833.204+/-0.105 χ^2/NDF: 14649518.4/65

In: 758.394+/-0.093 χ^2/NDF:7711893.8/53

Out: 741.151+/-0.089 χ^2/NDF:9237351.6/59

All: 749.478+/-0.064 χ^2/NDF: 16967186.1/1



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: 28.007+/-25.006 χ^2/NDF: 43.0/34

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

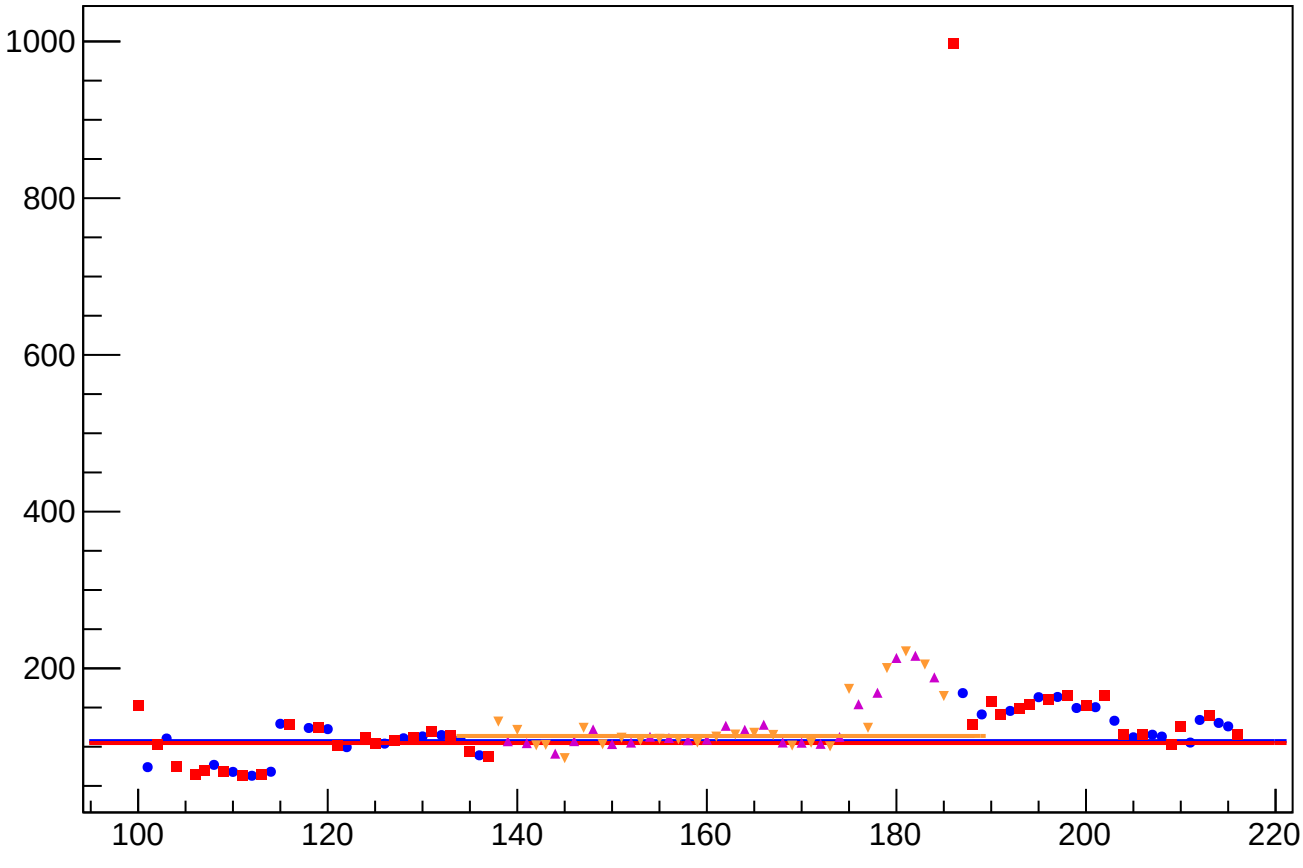
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 4.402+/-17.812 χ^2/NDF: 62.5/65

In: 18.081+/-18.600 χ^2/NDF:49.8/53

Out: 25.448+/-18.233 χ^2/NDF:64.6/59

All: 21.838+/-13.021 χ^2/NDF: 114.5/113



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: 104.721+/-0.018 χ^2/NDF: 3774961.5/34

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

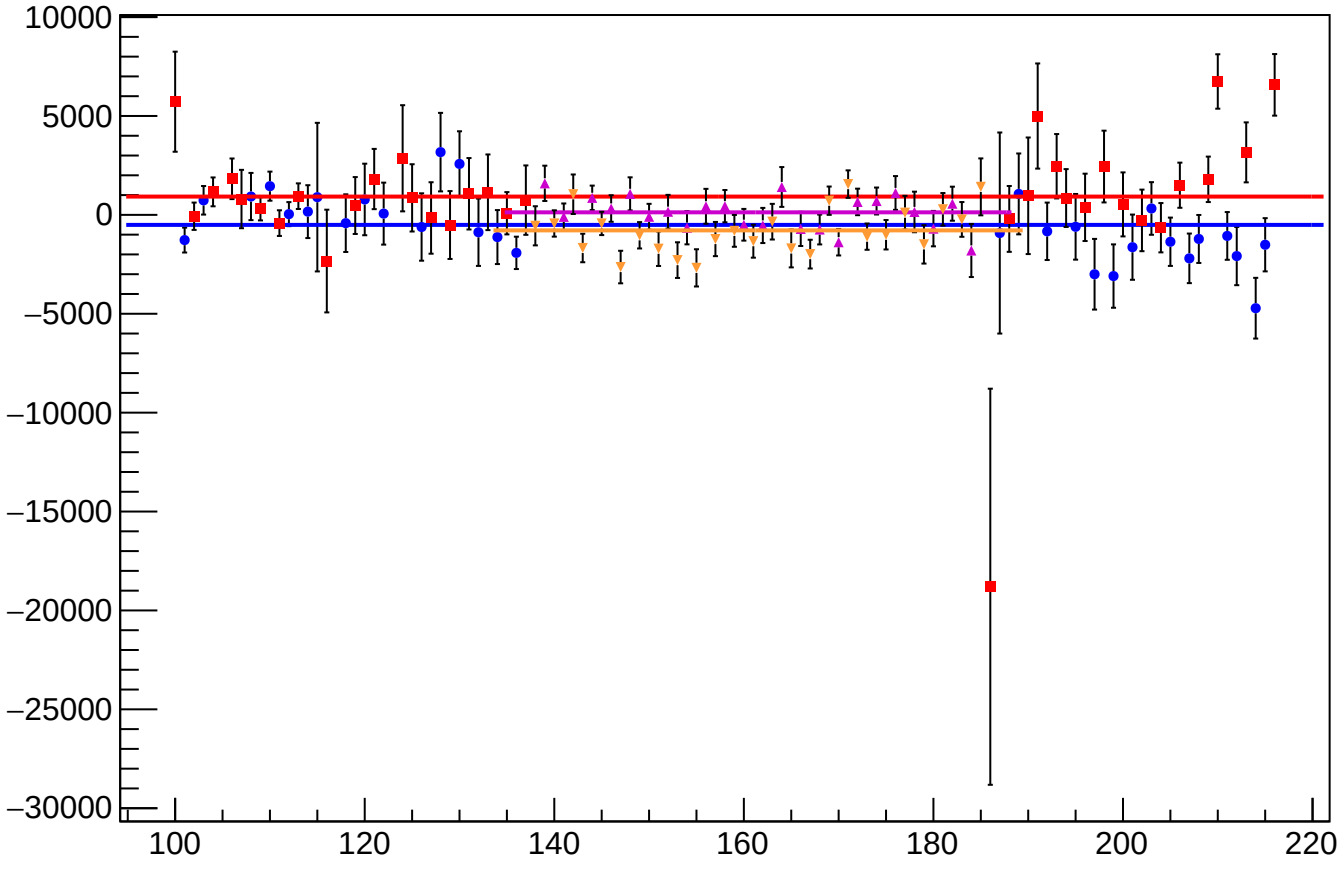
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 105.928+/-0.013 χ^2/NDF: 6251902.3/65

In: 110.182+/-0.013 χ^2/NDF:3844347.7/53

Out: 108.957+/-0.013 χ^2/NDF:5477422.7/59

All: 109.558+/-0.009 χ^2/NDF: 9326195.0/113



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: 924.534+/-205.654 χ^2/NDF: 60.9/34

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

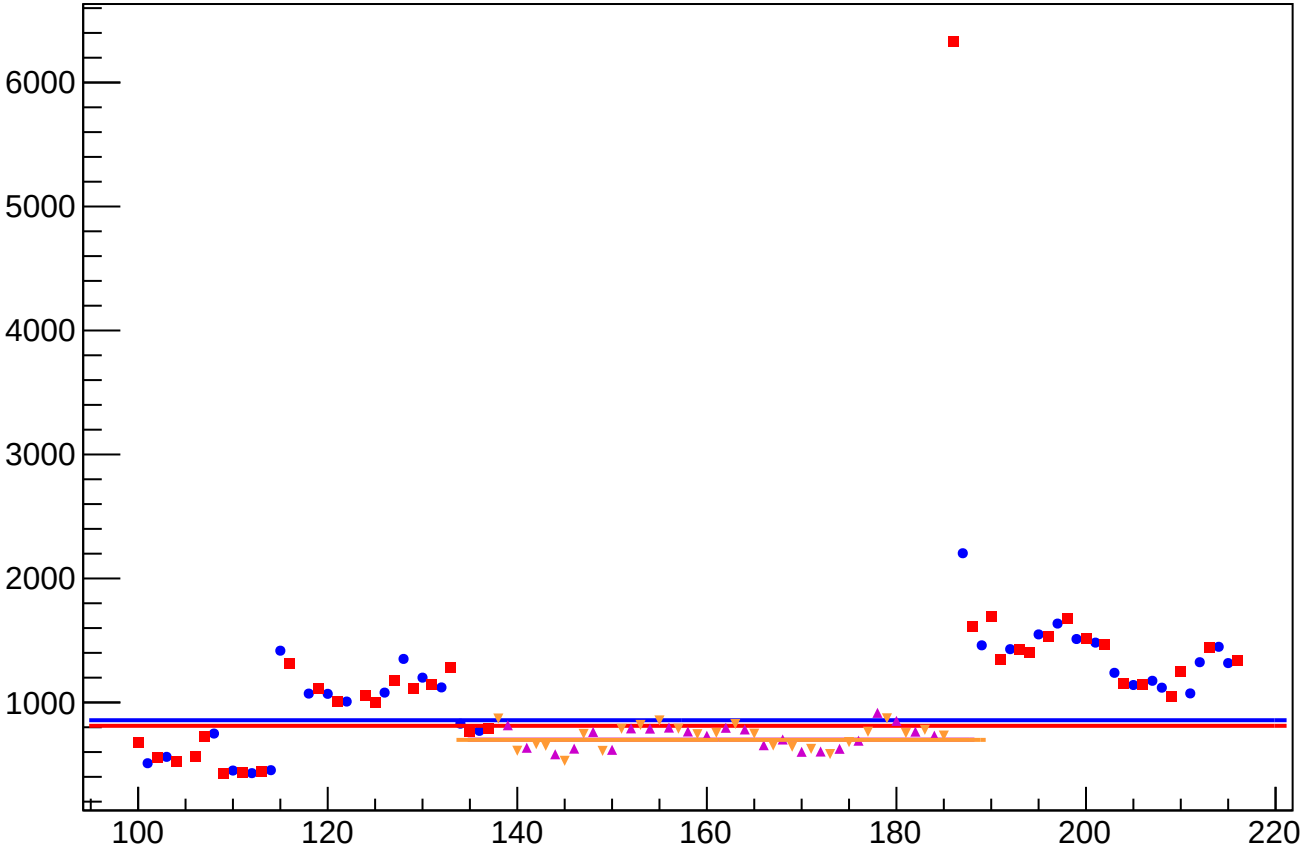
Right: 239.148+/-148.466 χ^2/NDF: 127.2/65

In: -108.289+/-130.922 χ^2/NDF:71.4/53

Out: -137.541+/-126.519 χ^2/NDF:149.2/59

All: -123.415+/-90.979 χ^2/NDF: 220.6/113

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 811.622+/-0.145 χ^2/NDF: 8144799.0/34

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

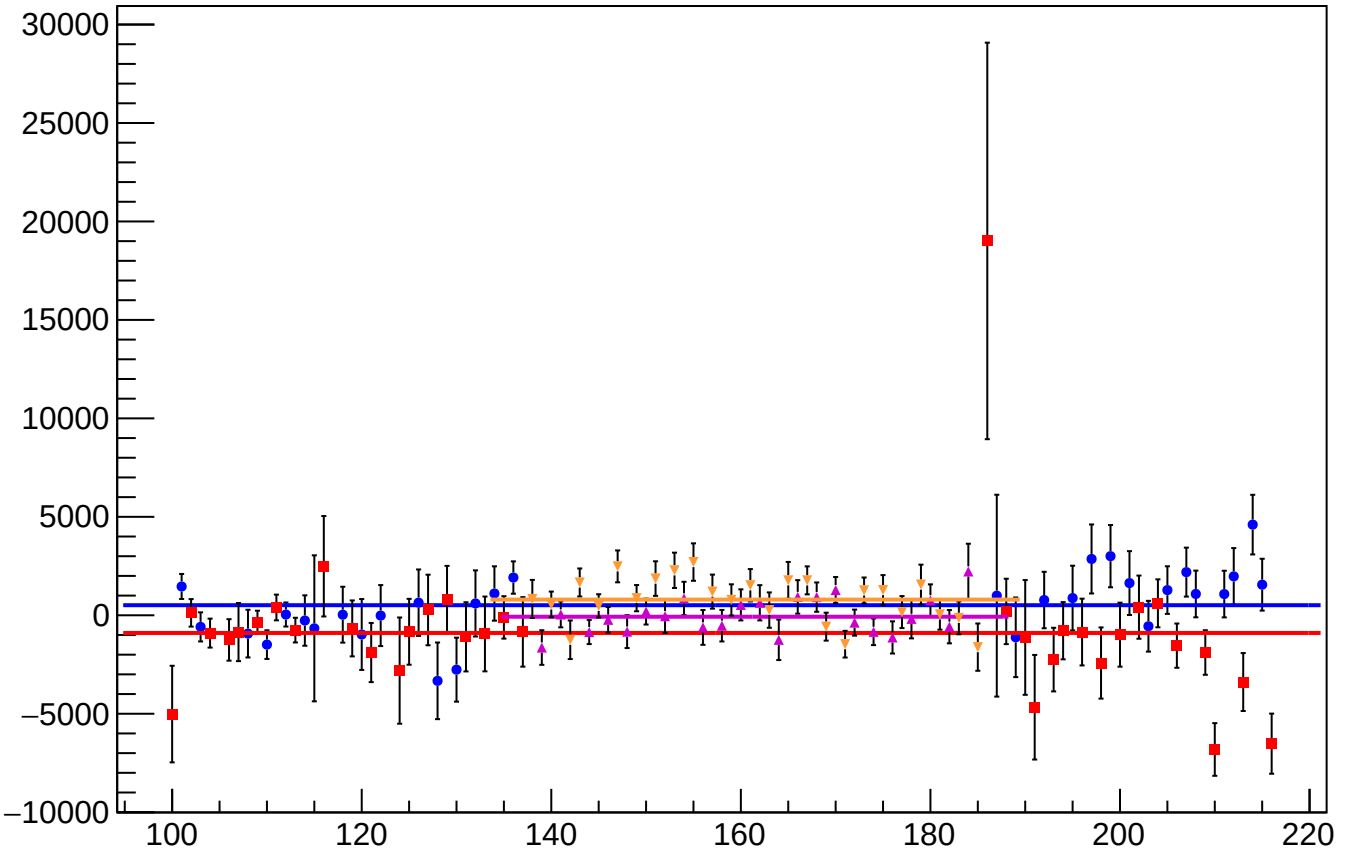
Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

Right: 833.203+/-0.105 χ^2/NDF: 14649513.9/65

In: 758.394+/-0.093 χ^2/NDF:7711887.6/53

Out: 741.150+/-0.089 χ^2/NDF:9237345.5/59

All: 749.477+/-0.064 χ^2/NDF: 16967174.1/1



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: -897.310+/-204.942 χ^2/NDF: 61.7/34

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

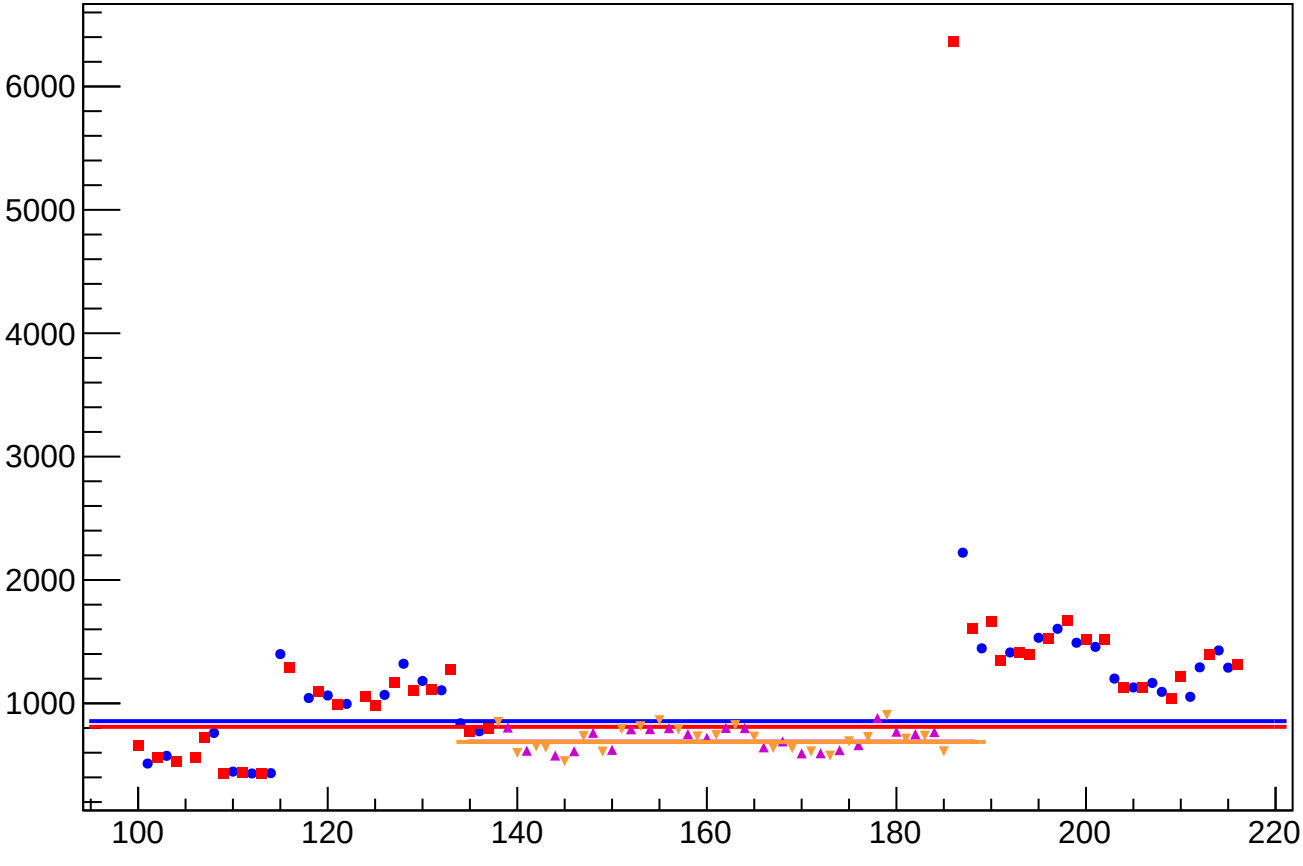
Right: -221.790+/-147.882 χ^2/NDF: 128.7/65

In: 141.781+/-129.520 χ^2/NDF:74.0/53

Out: 164.607+/-125.201 χ^2/NDF:150.9/59

All: 153.581+/-90.019 χ^2/NDF: 224.9/113

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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: 809.751+/-0.145 χ^2/NDF: 8025596.2/34

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

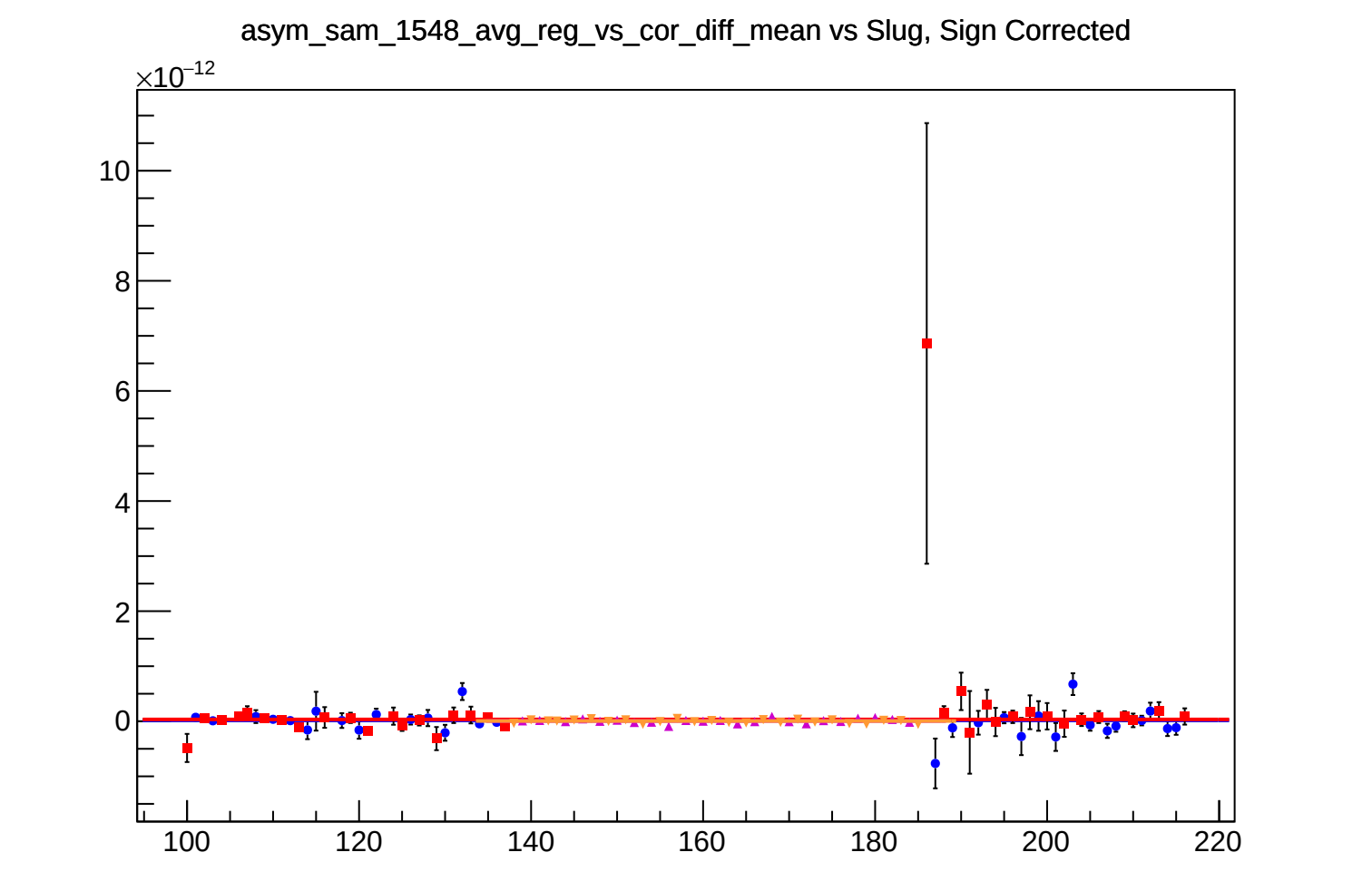
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 831.766+/-0.105 χ^2/NDF: 14293933.4/65

In: 750.915+/-0.092 χ^2/NDF:7548168.9/53

Out: 732.964+/-0.089 χ^2/NDF:9201527.4/59

All: 741.635+/-0.064 χ^2/NDF: 16769555.8/1



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: 35.9/34

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

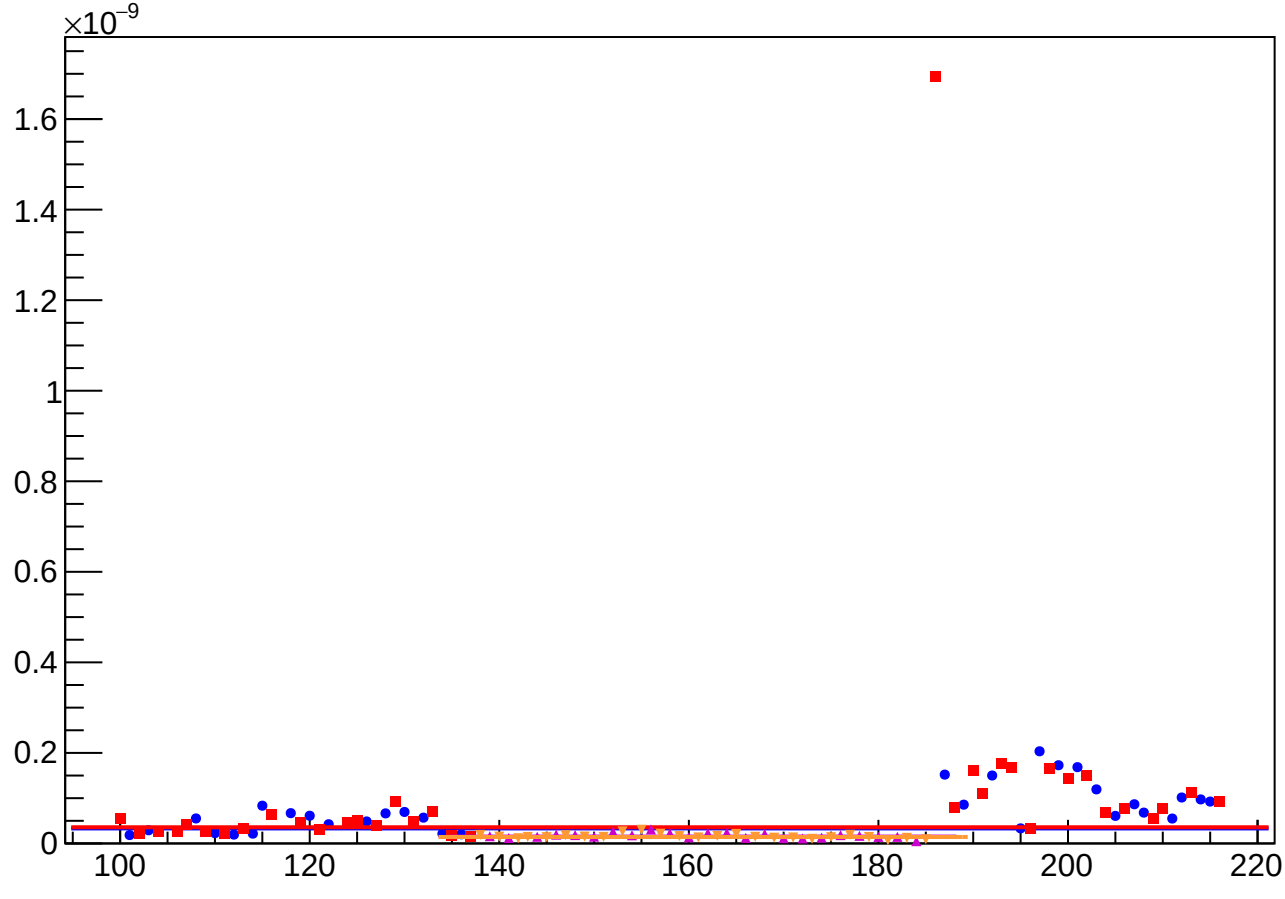
Right: 0.000+/-0.000 χ^2/NDF: 85.1/65

In: 0.000+/-0.000 χ^2/NDF:75.3/53

Out: 0.000+/-0.000 χ^2/NDF:61.1/59

All: 0.000+/-0.000 χ^2/NDF: 136.4/113

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6895895.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6228241.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

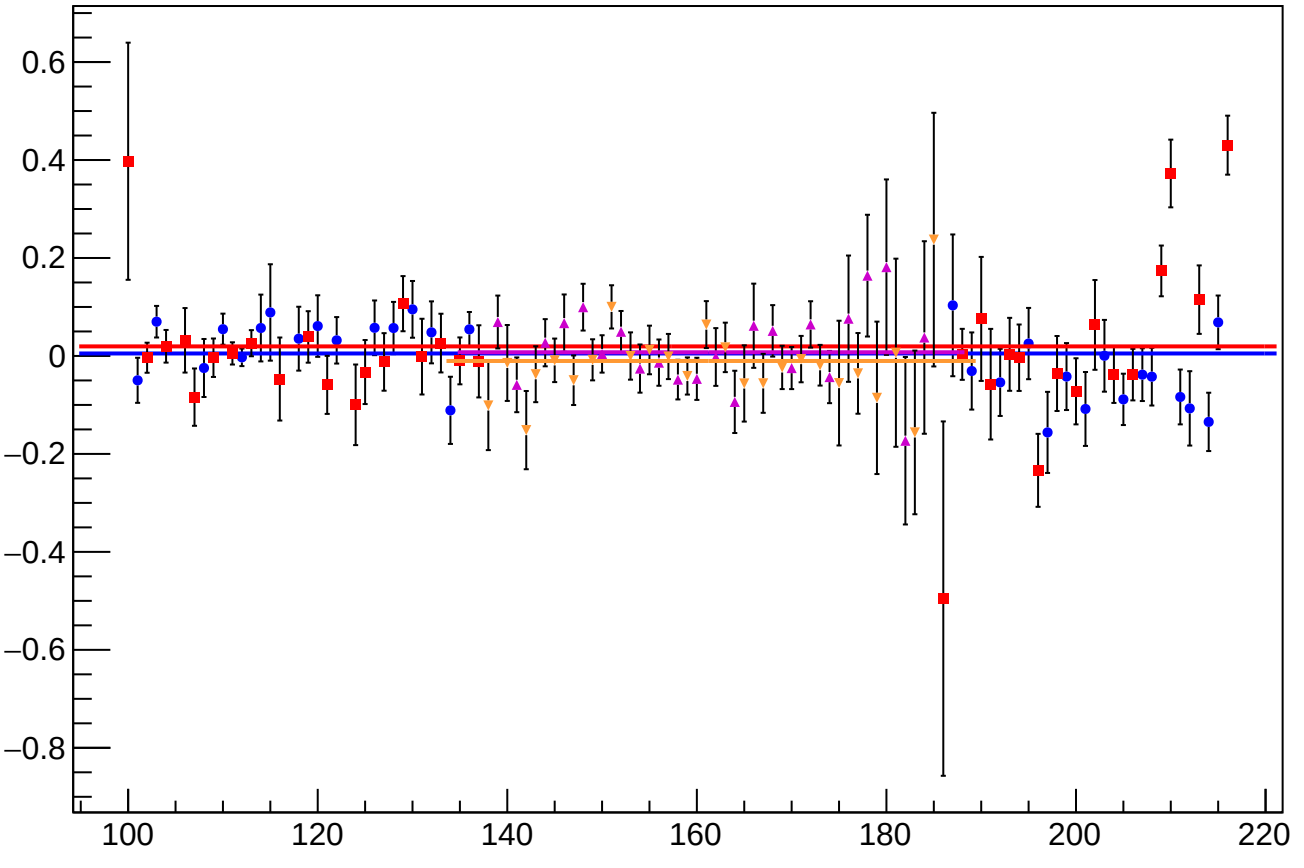
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 13154605.3/65

In: 0.000+/-0.000 χ^2/NDF:10792124.2/53

Out: 0.000+/-0.000 χ^2/NDF:10808520.8/59

All: 0.000+/-0.000 χ^2/NDF: 21641662.0/113



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: 0.020+/-0.009 χ^2/NDF: 118.2/34

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

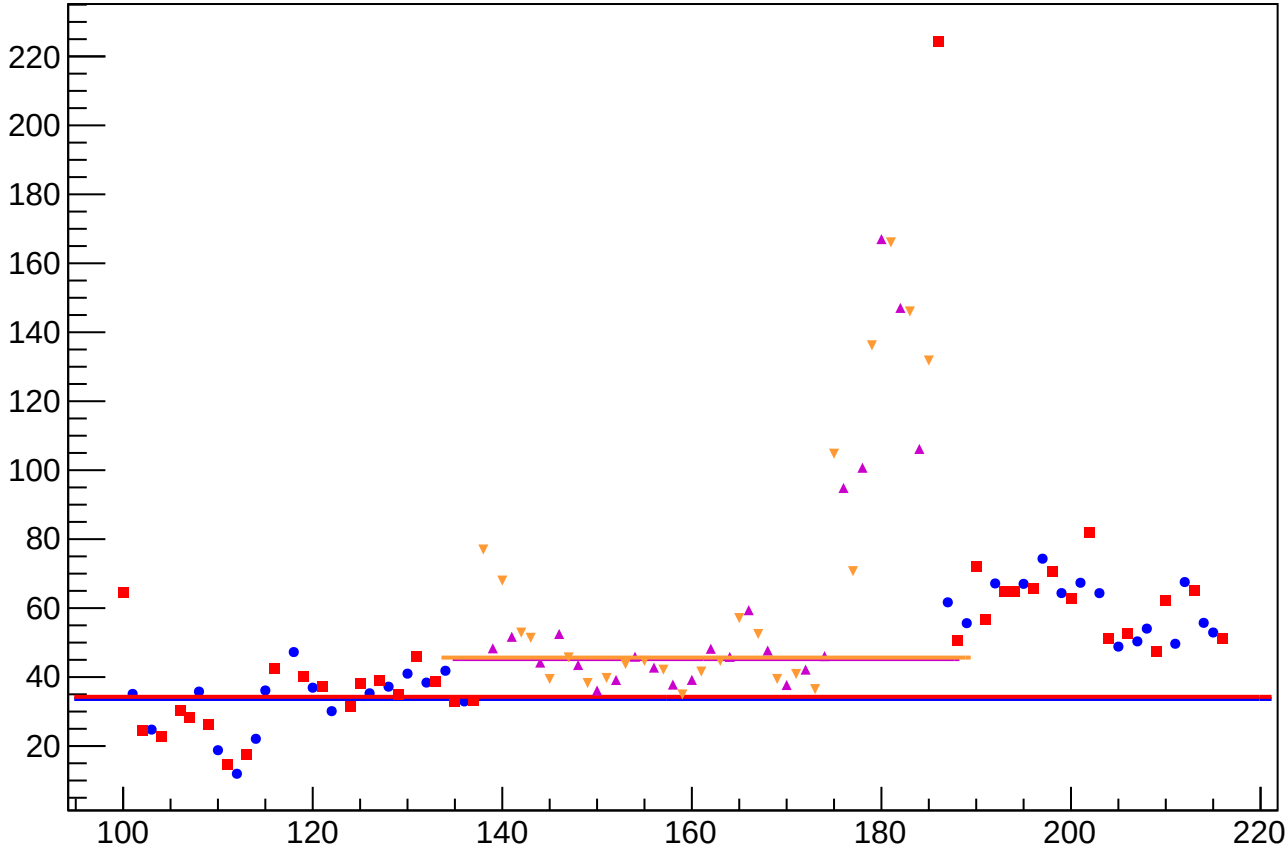
Right: 0.012+/-0.006 χ^2/NDF: 164.1/65

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.008+/-0.007 χ^2/NDF:140.6/59

All: 0.007+/-0.005 χ^2/NDF: 208.5/113

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 34.277+/-0.006 χ^2/NDF: 7888980.3/34

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

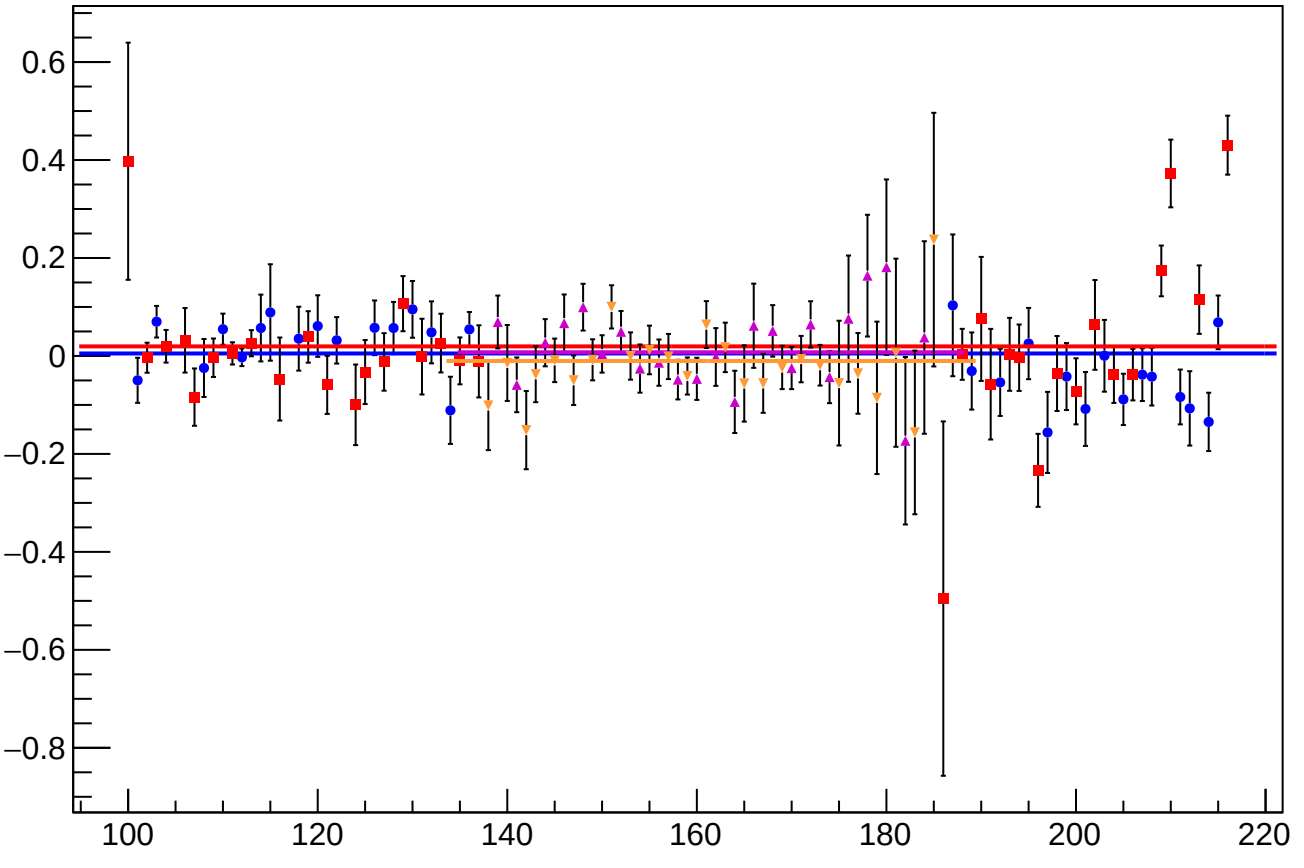
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 33.961+/-0.004 χ^2/NDF: 16131423.5/65

In: 37.992+/-0.005 χ^2/NDF:12512702.8/53

Out: 38.633+/-0.005 χ^2/NDF:13159797.5/59

All: 38.313+/-0.003 χ^2/NDF: 25680912.8/113



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: 0.020+/-0.009 χ^2/NDF: 118.2/34

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

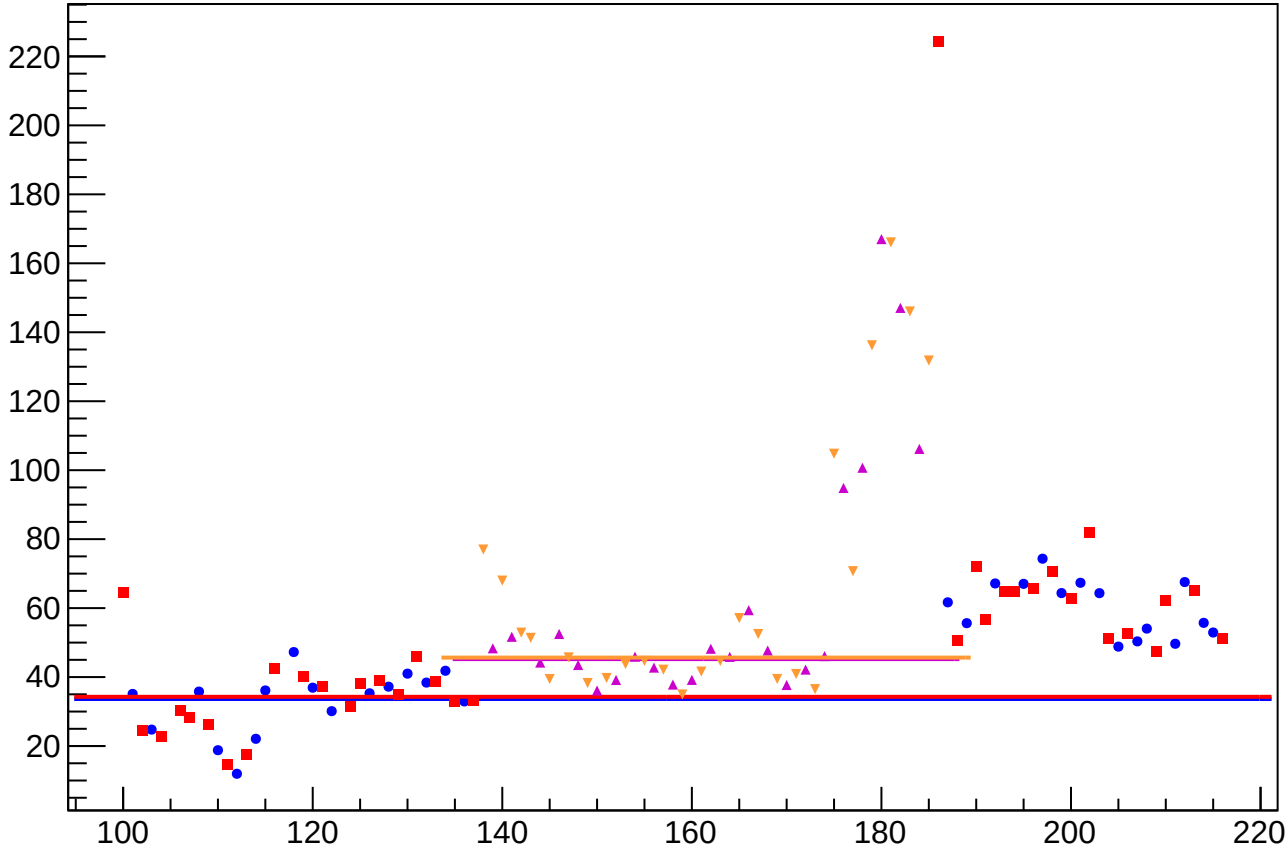
Right: 0.012+/-0.006 χ^2/NDF: 164.1/65

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.008+/-0.007 χ^2/NDF:140.6/59

All: 0.007+/-0.005 χ^2/NDF: 208.5/113

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 34.277+/-0.006 χ^2/NDF: 7888980.3/34

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

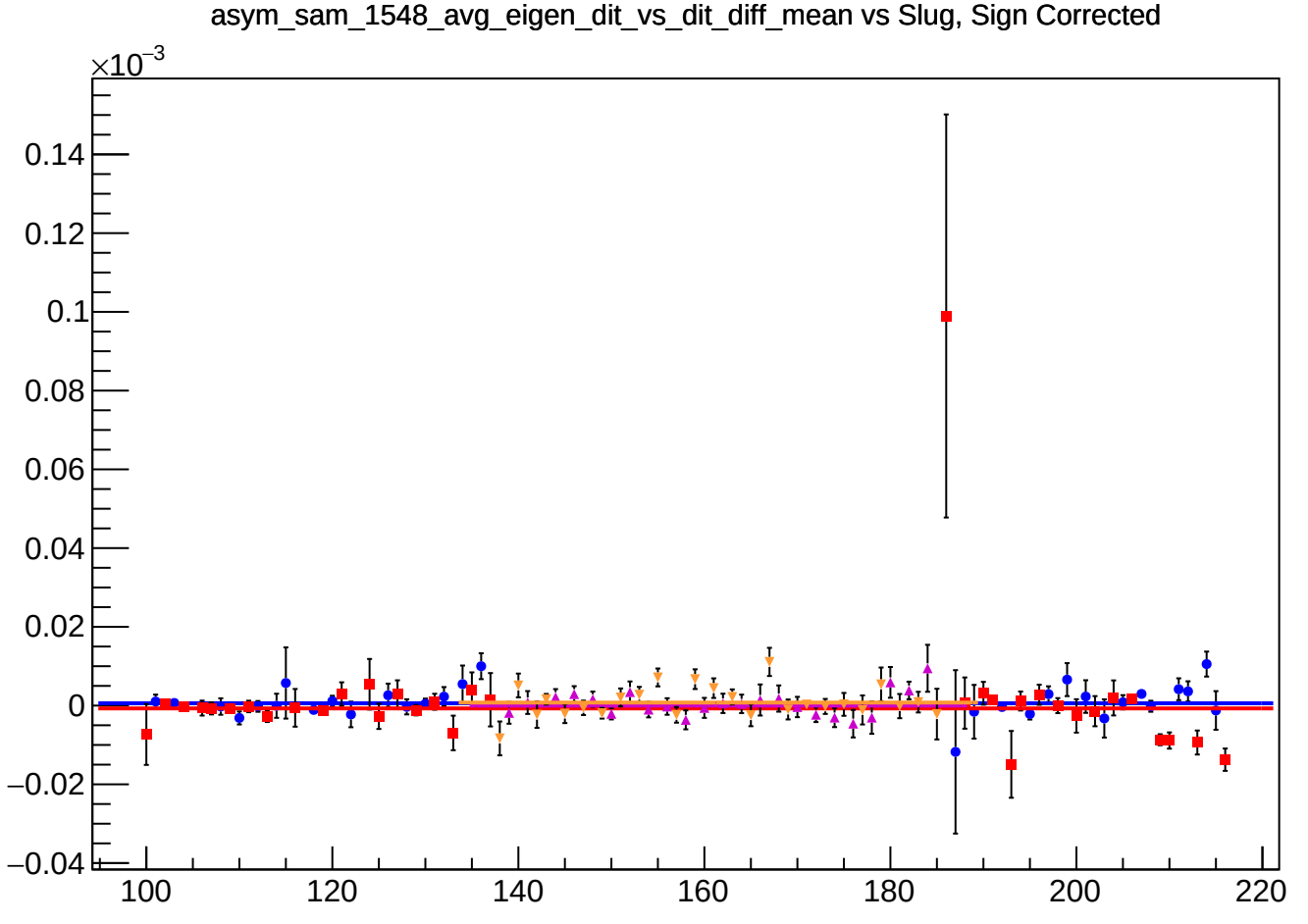
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 33.961+/-0.004 χ^2/NDF: 16131423.5/65

In: 37.992+/-0.005 χ^2/NDF:12512702.8/53

Out: 38.633+/-0.005 χ^2/NDF:13159797.5/59

All: 38.313+/-0.003 χ^2/NDF: 25680912.8/113



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: 112.6/34

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

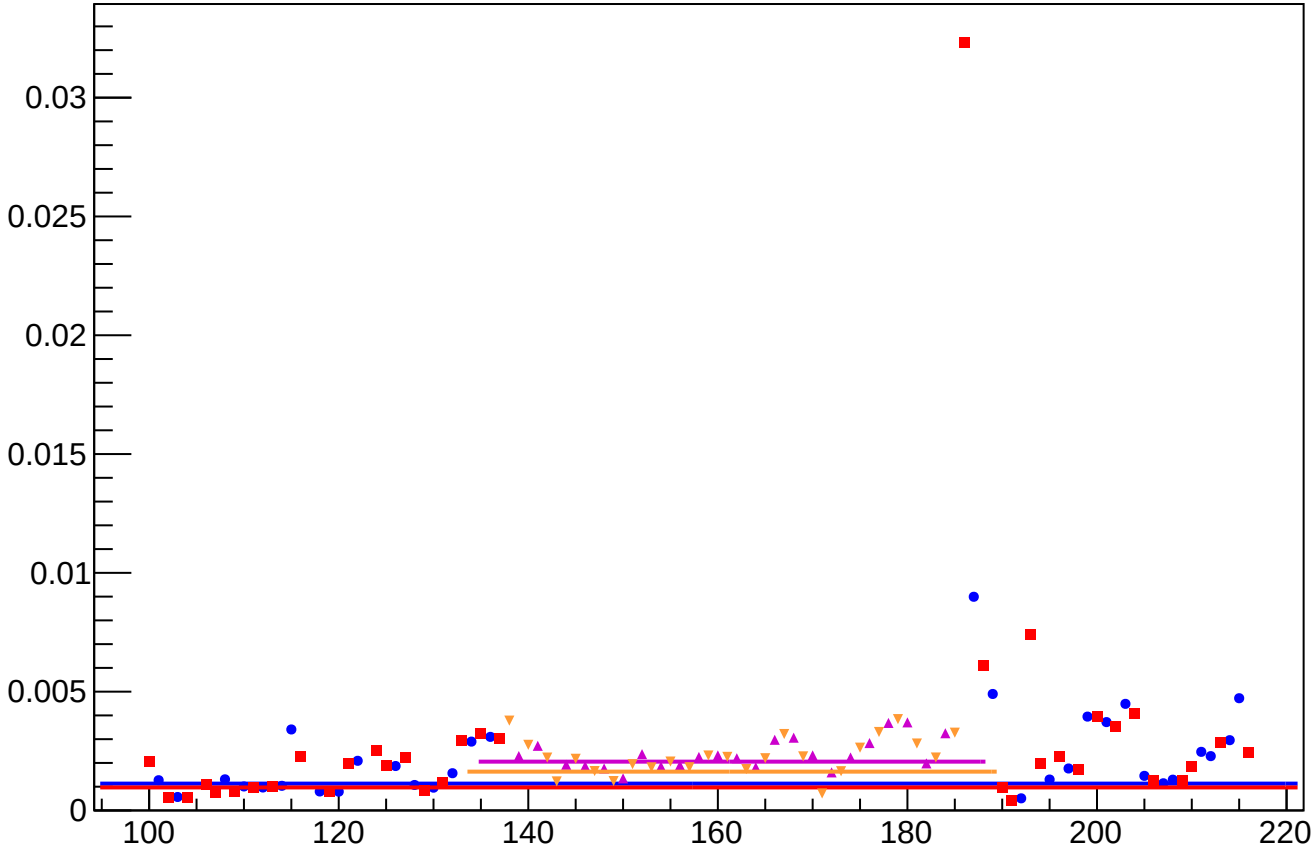
Right: -0.000+/-0.000 χ^2/NDF: 168.1/65

In: 0.000+/-0.000 χ^2/NDF:71.5/53

Out: -0.000+/-0.000 χ^2/NDF:167.6/59

All: 0.000+/-0.000 χ^2/NDF: 242.6/113

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: 13775356.6/34

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

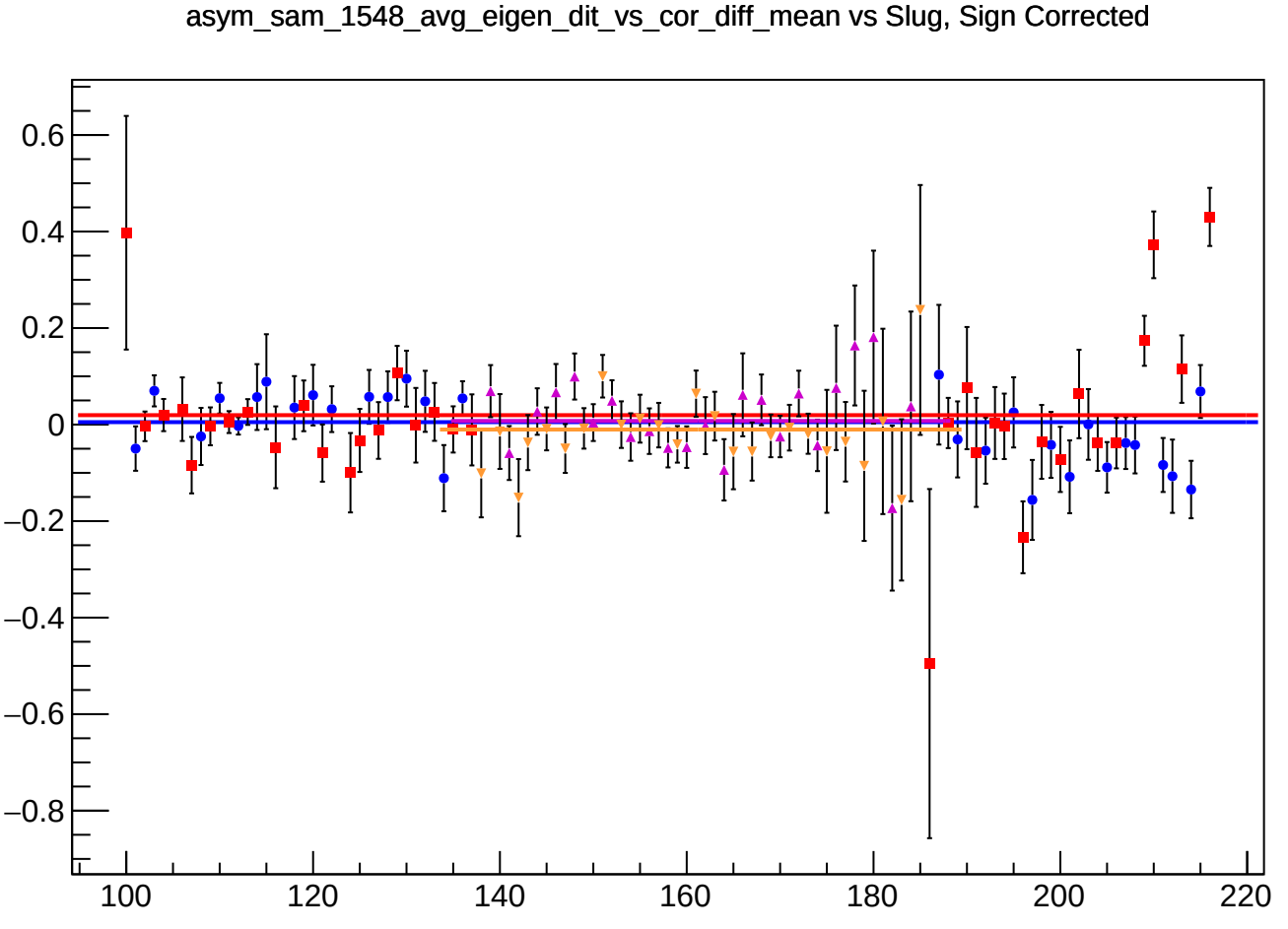
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 24280424.8/65

In: 0.001+/-0.000 χ^2/NDF:17171358.7/53

Out: 0.001+/-0.000 χ^2/NDF:23837936.3/59

All: 0.001+/-0.000 χ^2/NDF: 41746757.7/113



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: 0.020+/-0.009 χ^2/NDF: 118.2/34

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

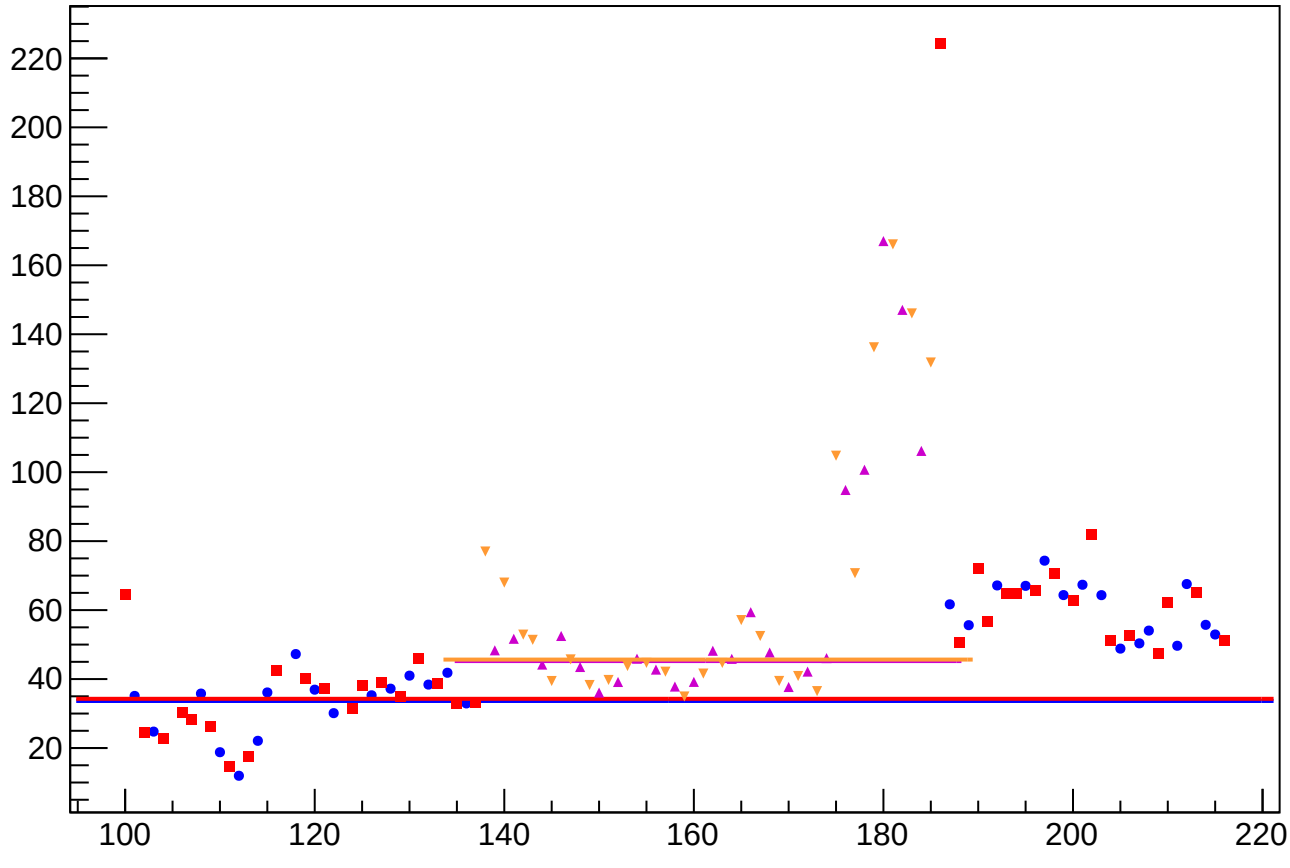
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.012+/-0.006 χ^2/NDF: 164.1/65

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.008+/-0.007 χ^2/NDF:140.6/59

All: 0.007+/-0.005 χ^2/NDF: 208.5/113



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: 34.276+/-0.006 χ^2/NDF: 7889225.4/34

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

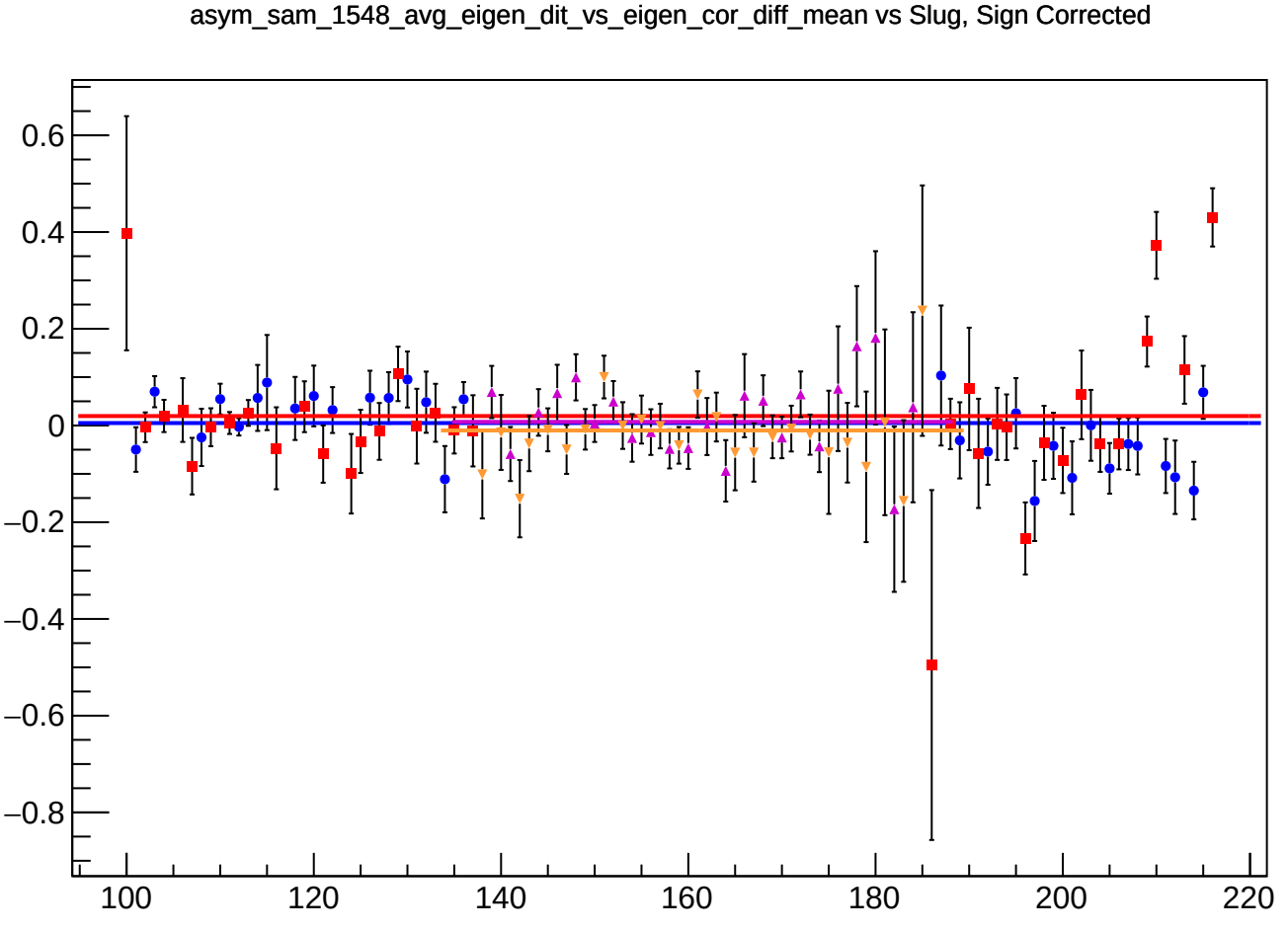
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 33.961+/-0.004 χ^2/NDF: 16131964.0/65

In: 37.992+/-0.005 χ^2/NDF:12513143.5/53

Out: 38.633+/-0.005 χ^2/NDF:13160149.4/59

All: 38.313+/-0.003 χ^2/NDF: 25681708.6/113



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: 0.020+/-0.009 χ^2/NDF: 118.2/34

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

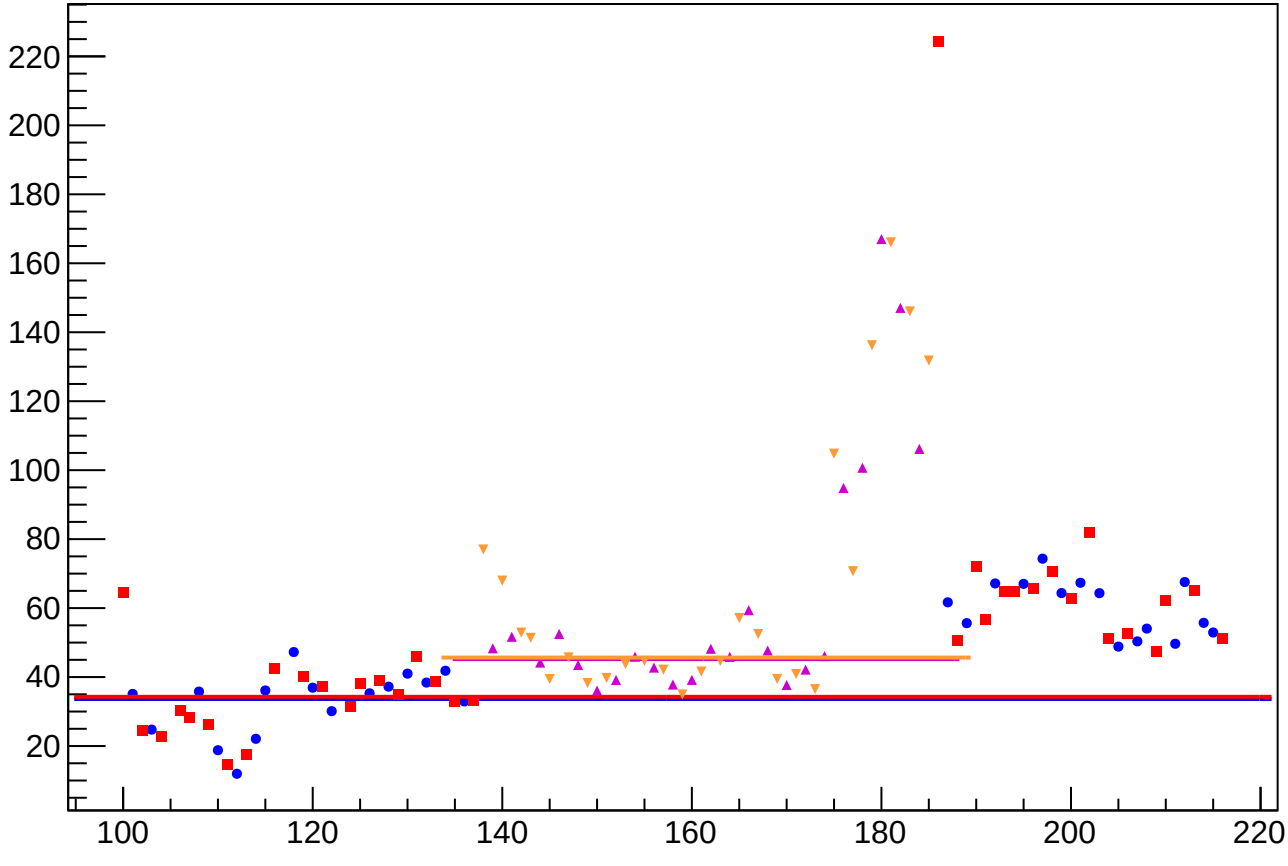
Right: 0.012+/-0.006 χ^2/NDF: 164.1/65

In: 0.006+/-0.007 χ^2/NDF:67.9/53

Out: 0.008+/-0.007 χ^2/NDF:140.6/59

All: 0.007+/-0.005 χ^2/NDF: 208.5/113

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: 34.276+/-0.006 χ^2/NDF: 7889225.4/34

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

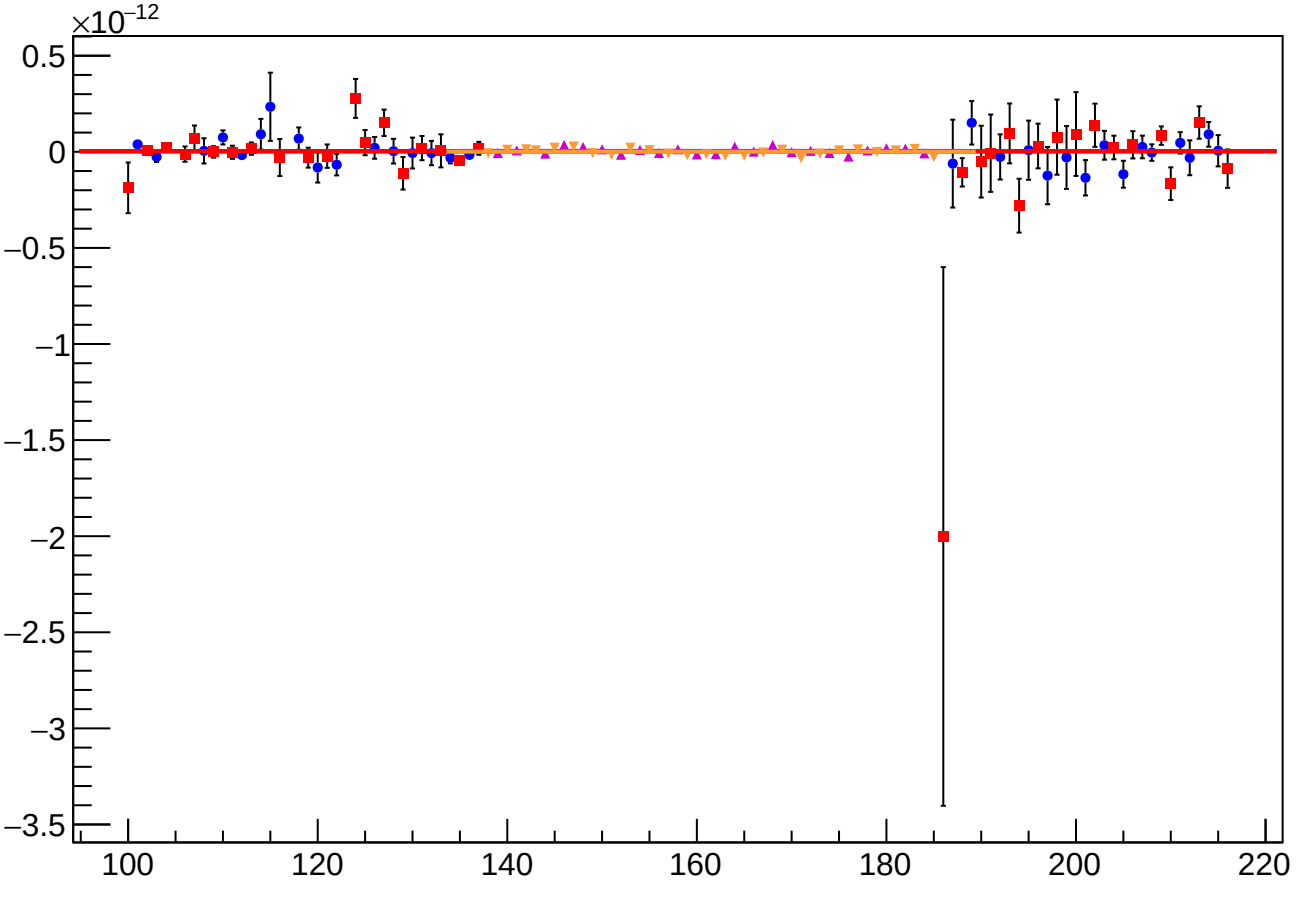
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 33.961+/-0.004 χ^2/NDF: 16131964.0/65

In: 37.992+/-0.005 χ^2/NDF:12513143.5/53

Out: 38.633+/-0.005 χ^2/NDF:13160149.4/59

All: 38.313+/-0.003 χ^2/NDF: 25681708.6/113



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: 45.2/34

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

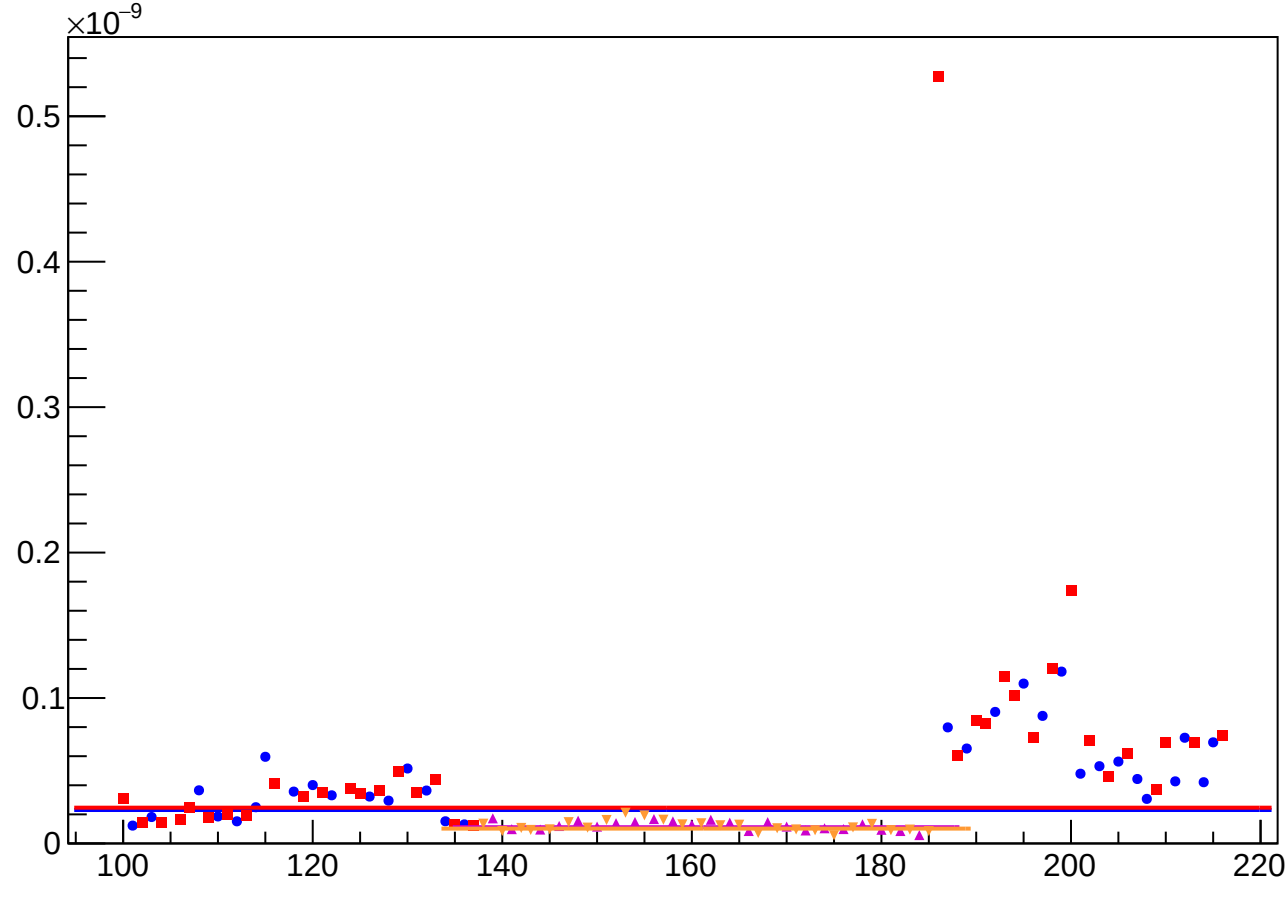
Right: 0.000+/-0.000 χ^2/NDF: 74.7/65

In: 0.000+/-0.000 χ^2/NDF:53.3/53

Out: 0.000+/-0.000 χ^2/NDF:70.7/59

All: 0.000+/-0.000 χ^2/NDF: 124.6/113

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 9376993.6/34

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

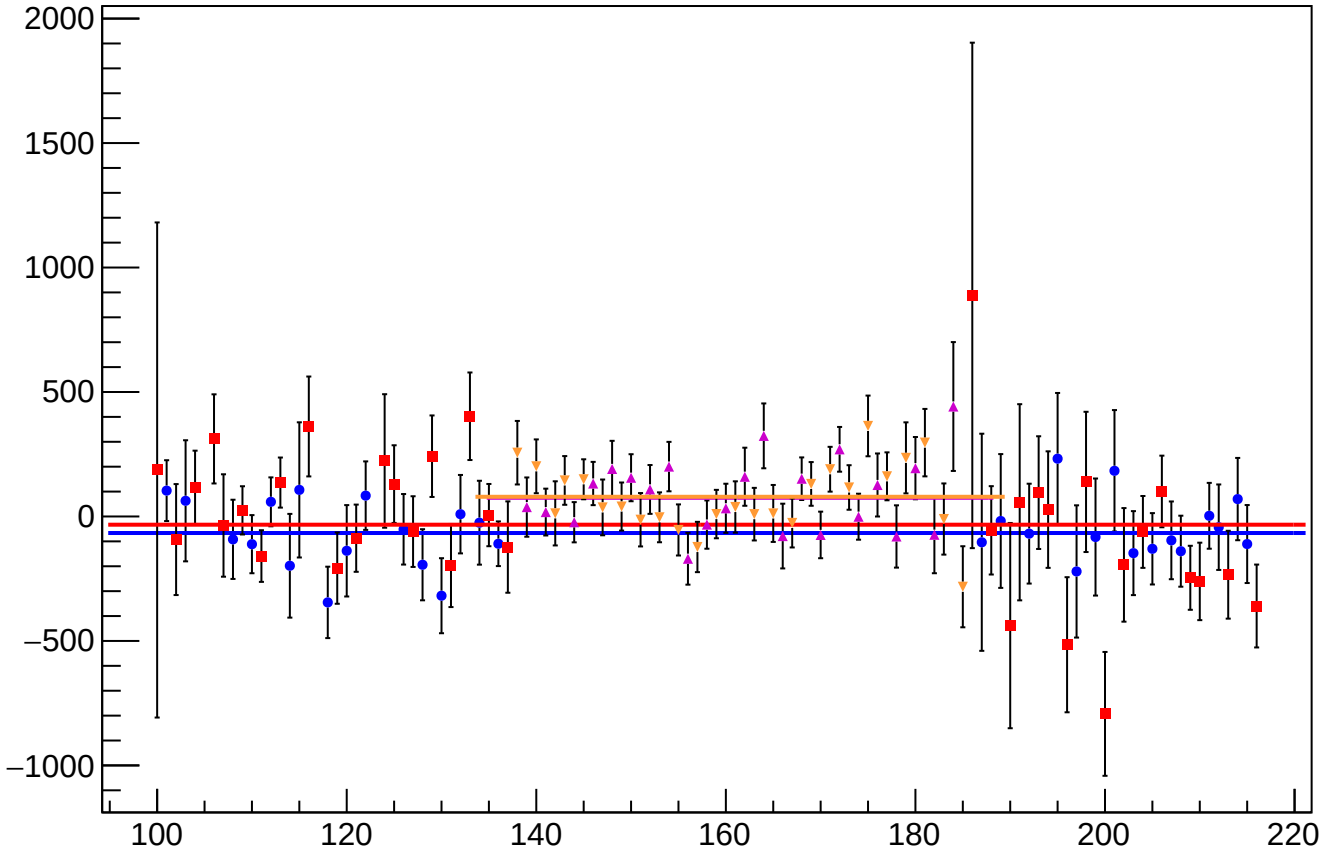
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17674590.1/65

In: 0.000+/-0.000 χ^2/NDF:13603845.7/53

Out: 0.000+/-0.000 χ^2/NDF:16748959.8/59

All: 0.000+/-0.000 χ^2/NDF: 30493838.5/113



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: -33.048+/-28.132 χ^2/NDF: 53.9/34

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

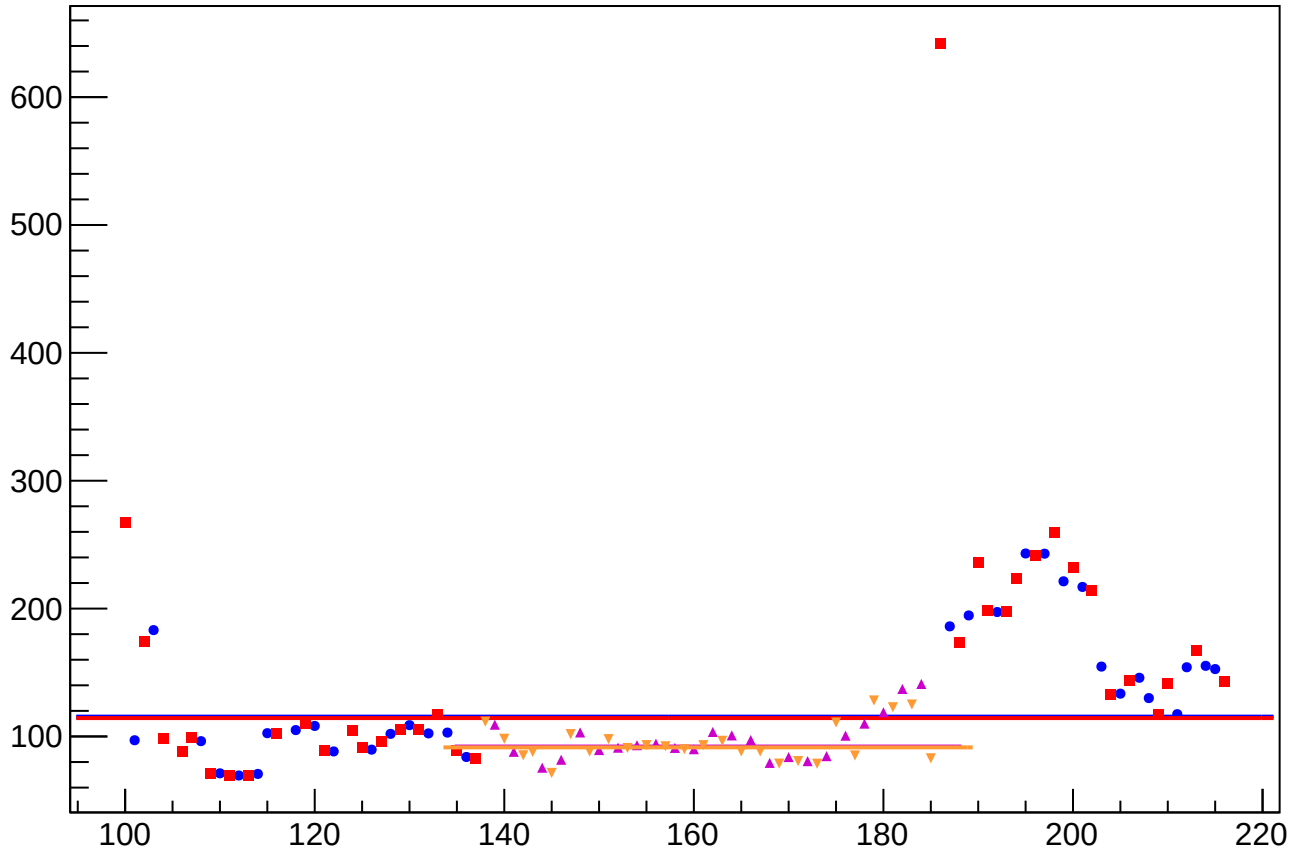
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -49.720+/-19.905 χ^2/NDF: 73.2/65

In: 21.934+/-17.258 χ^2/NDF:67.0/53

Out: 38.718+/-16.881 χ^2/NDF:96.1/59

All: 30.511+/-12.068 χ^2/NDF: 163.5/113



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: 114.370+/-0.020 χ^2/NDF: 5710597.6/34

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

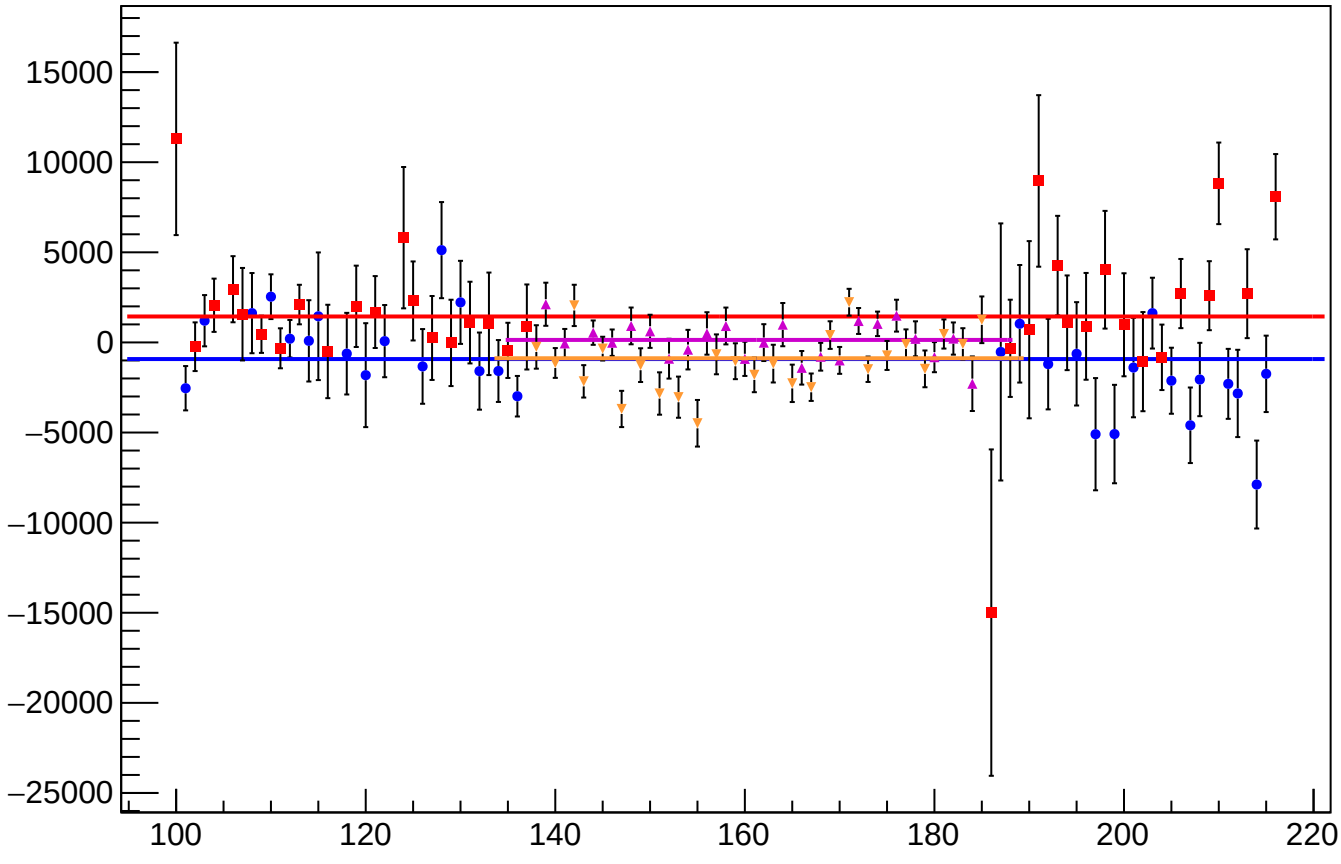
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 114.931+/-0.014 χ^2/NDF: 10021481.3/65

In: 100.882+/-0.012 χ^2/NDF:5870449.8/53

Out: 99.710+/-0.012 χ^2/NDF:7310526.5/59

All: 100.283+/-0.009 χ^2/NDF: 13185687.8/1



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: 1439.354+/-341.336 χ^2/NDF: 43.9/34

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

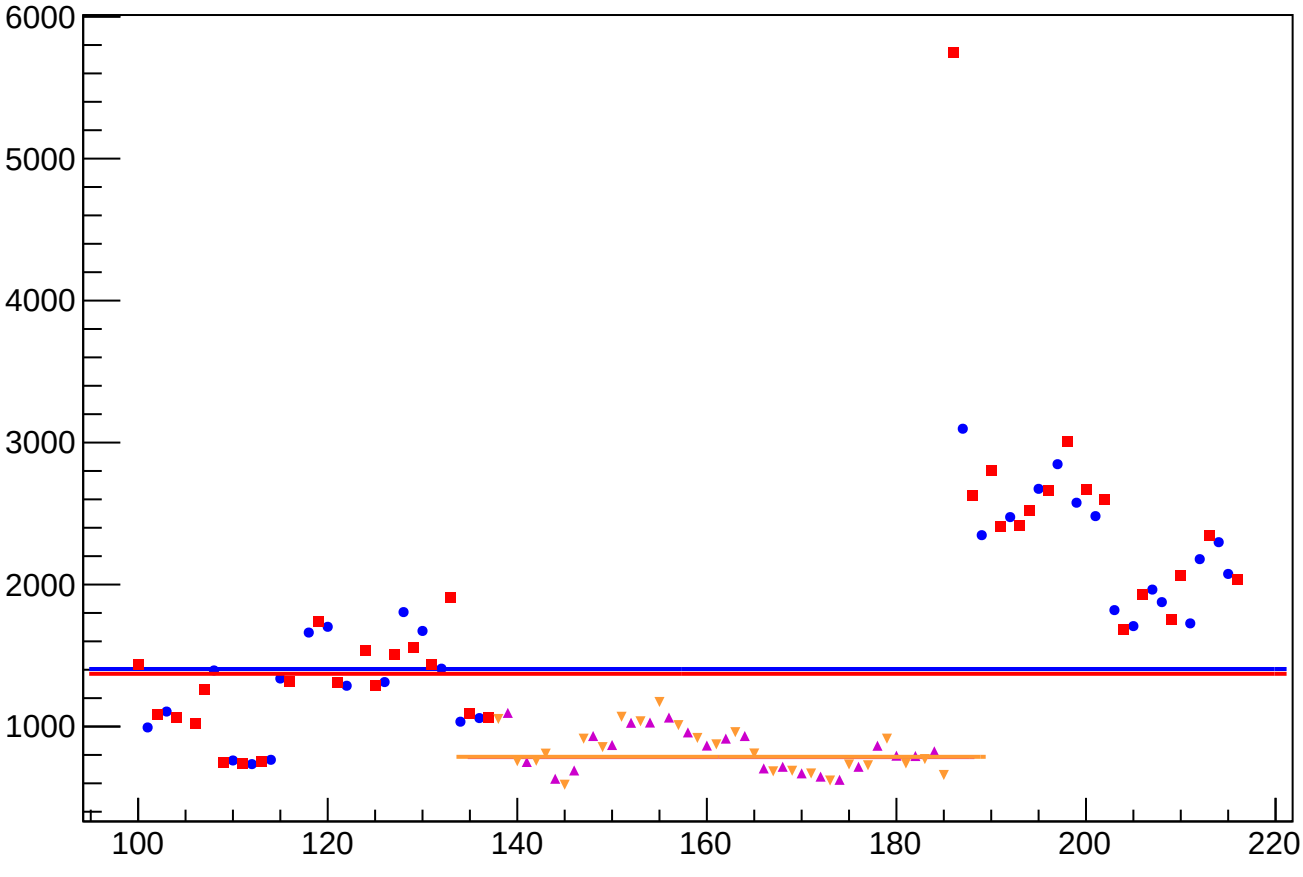
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 278.284+/-243.413 χ^2/NDF: 112.8/65

In: -99.177+/-164.349 χ^2/NDF:76.8/53

Out: -364.551+/-160.726 χ^2/NDF:147.5/59

All: -234.821+/-114.910 χ^2/NDF: 225.6/113



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: 1371.460+/-0.241 χ^2/NDF: 6996683.1/34

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

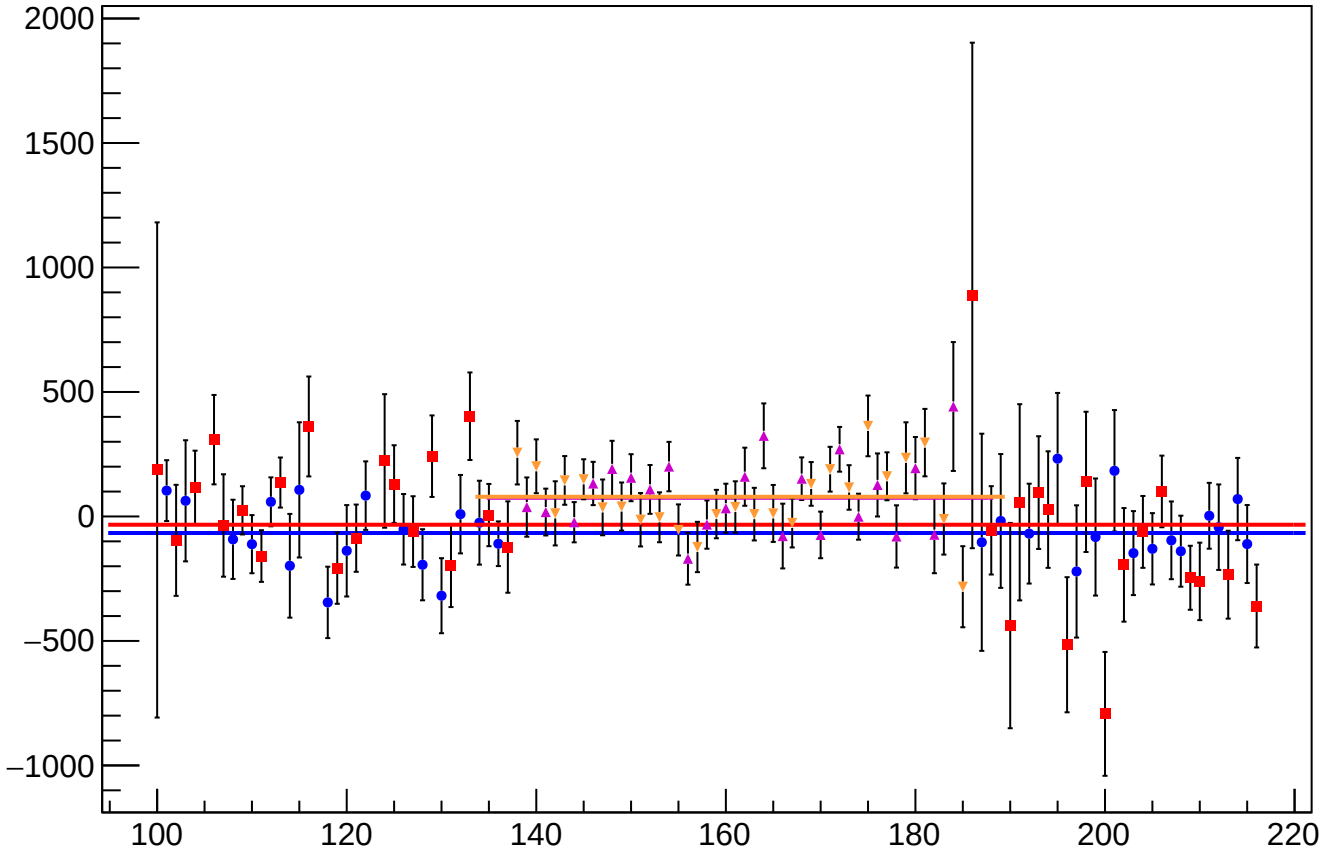
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1388.075+/-0.172 χ^2/NDF: 12516030.6/65

In: 923.839+/-0.116 χ^2/NDF:11528647.9/53

Out: 916.400+/-0.114 χ^2/NDF:12774987.5/59

All: 920.037+/-0.081 χ^2/NDF: 24305730.2/11



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: -33.224+/-28.134 χ^2/NDF: 53.8/34

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

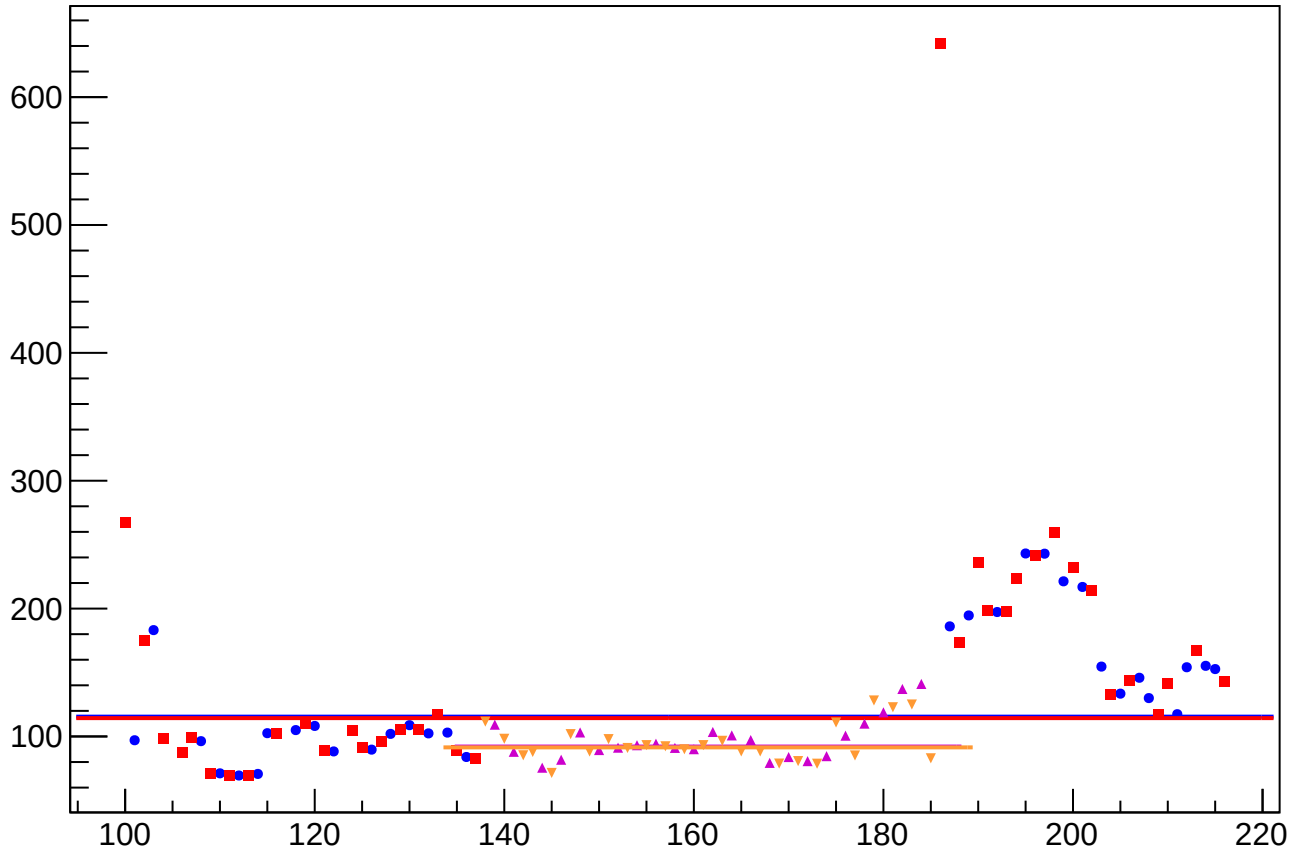
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -49.815+/-19.905 χ^2/NDF: 73.1/65

In: 21.931+/-17.258 χ^2/NDF:67.0/53

Out: 38.664+/-16.881 χ^2/NDF:96.0/59

All: 30.482+/-12.068 χ^2/NDF: 163.4/113



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: 114.342+/-0.020 χ^2/NDF: 5714864.0/34

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

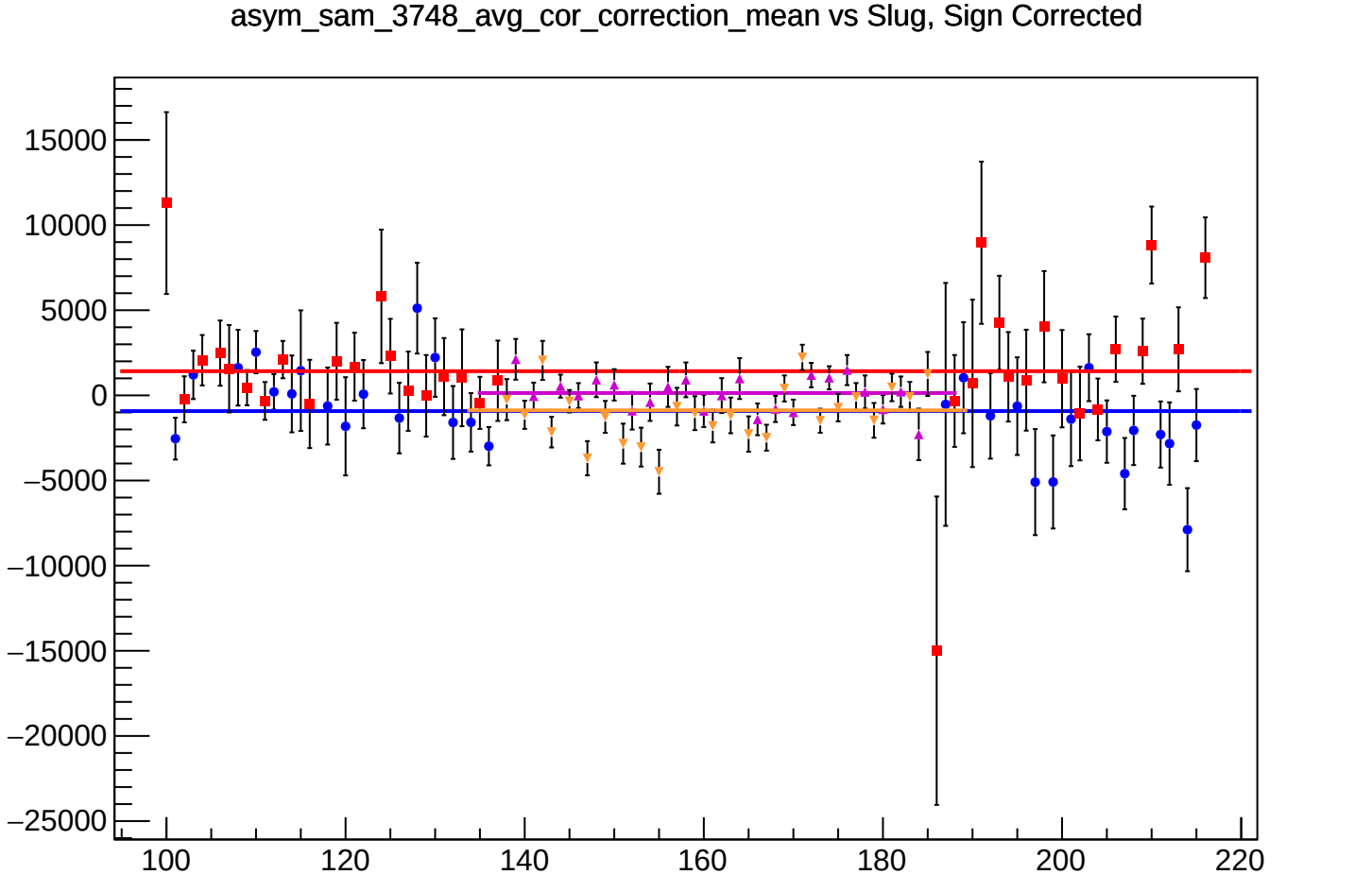
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 114.917+/-0.014 χ^2/NDF: 10025830.9/65

In: 100.882+/-0.012 χ^2/NDF:5870452.9/53

Out: 99.699+/-0.012 χ^2/NDF:7312628.8/59

All: 100.278+/-0.009 χ^2/NDF: 13187881.6/1



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: 1420.610+/-341.835 χ^2/NDF: 43.5/34

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

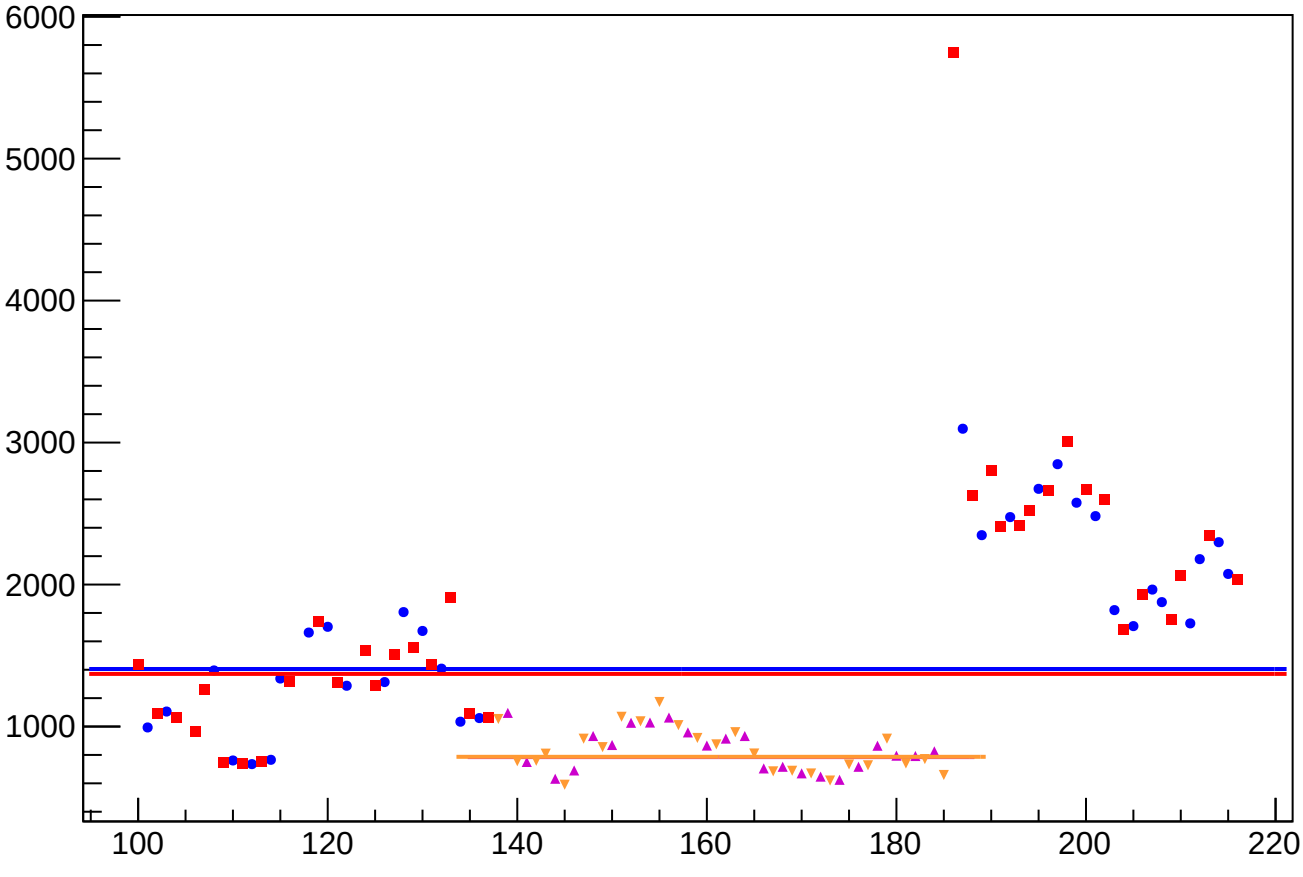
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 267.038+/-243.594 χ^2/NDF: 112.0/65

In: -99.178+/-164.349 χ^2/NDF:76.8/53

Out: -369.858+/-160.778 χ^2/NDF:146.4/59

All: -237.491+/-114.929 χ^2/NDF: 224.6/113



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: 1370.706+/-0.242 χ^2/NDF: 7013562.9/34

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

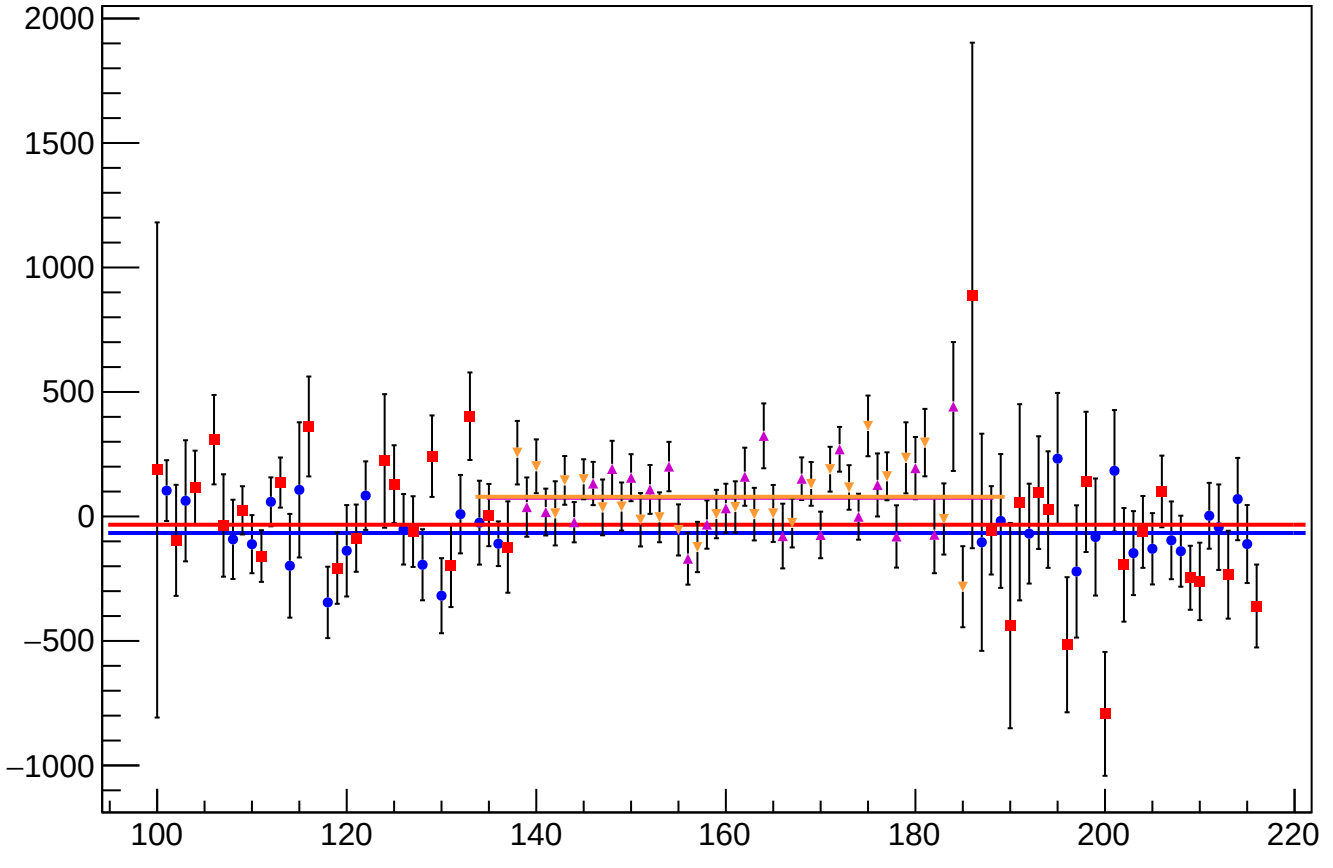
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1387.721+/-0.172 χ^2/NDF: 12533260.5/65

In: 923.841+/-0.116 χ^2/NDF:11528678.6/53

Out: 915.938+/-0.114 χ^2/NDF:12769747.1/59

All: 919.803+/-0.081 χ^2/NDF: 24300788.4/11



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: -33.224+/-28.134 χ^2/NDF: 53.8/34

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

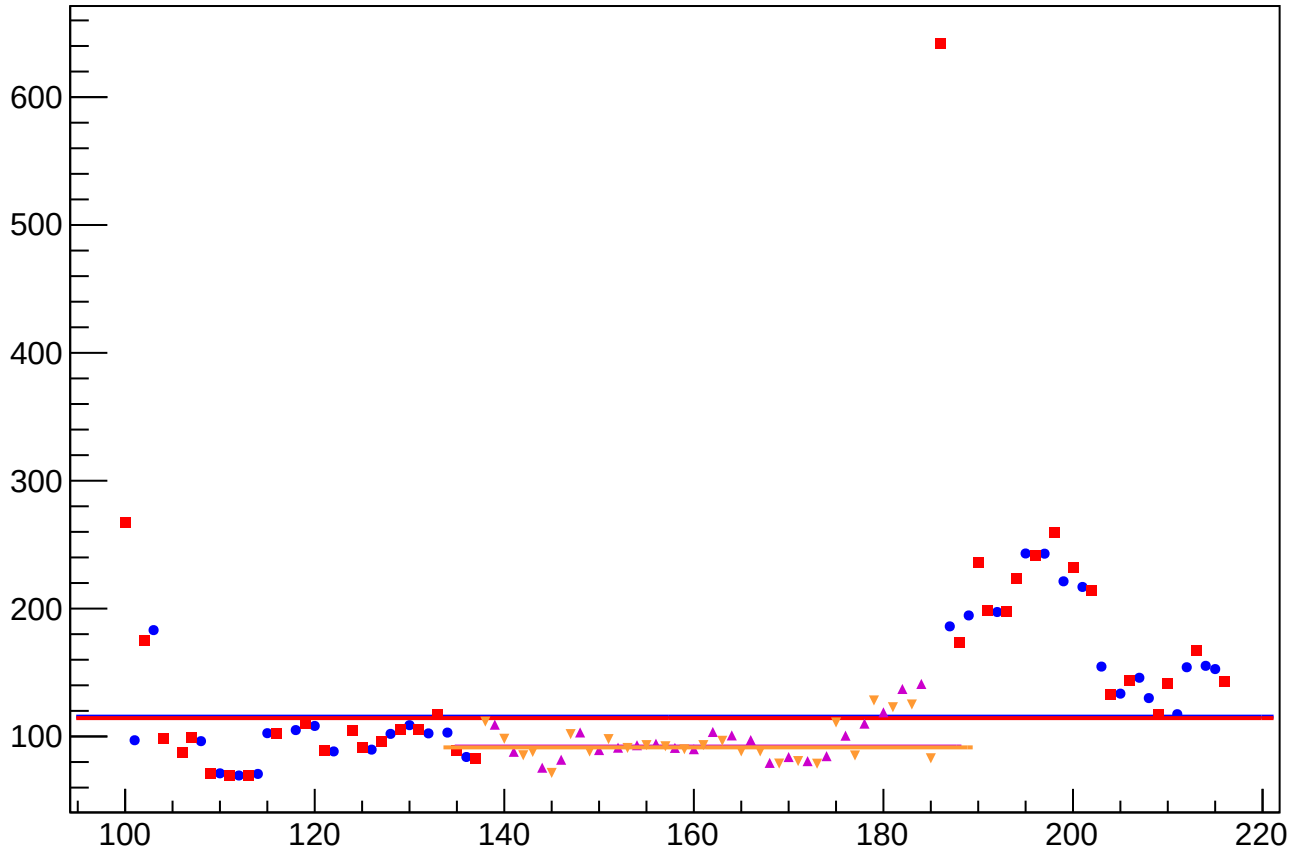
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -49.815+/-19.905 χ^2/NDF: 73.1/65

In: 21.931+/-17.258 χ^2/NDF:67.0/53

Out: 38.664+/-16.881 χ^2/NDF:96.0/59

All: 30.482+/-12.068 χ^2/NDF: 163.4/113



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: 114.342+/-0.020 χ^2/NDF: 5714864.0/34

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

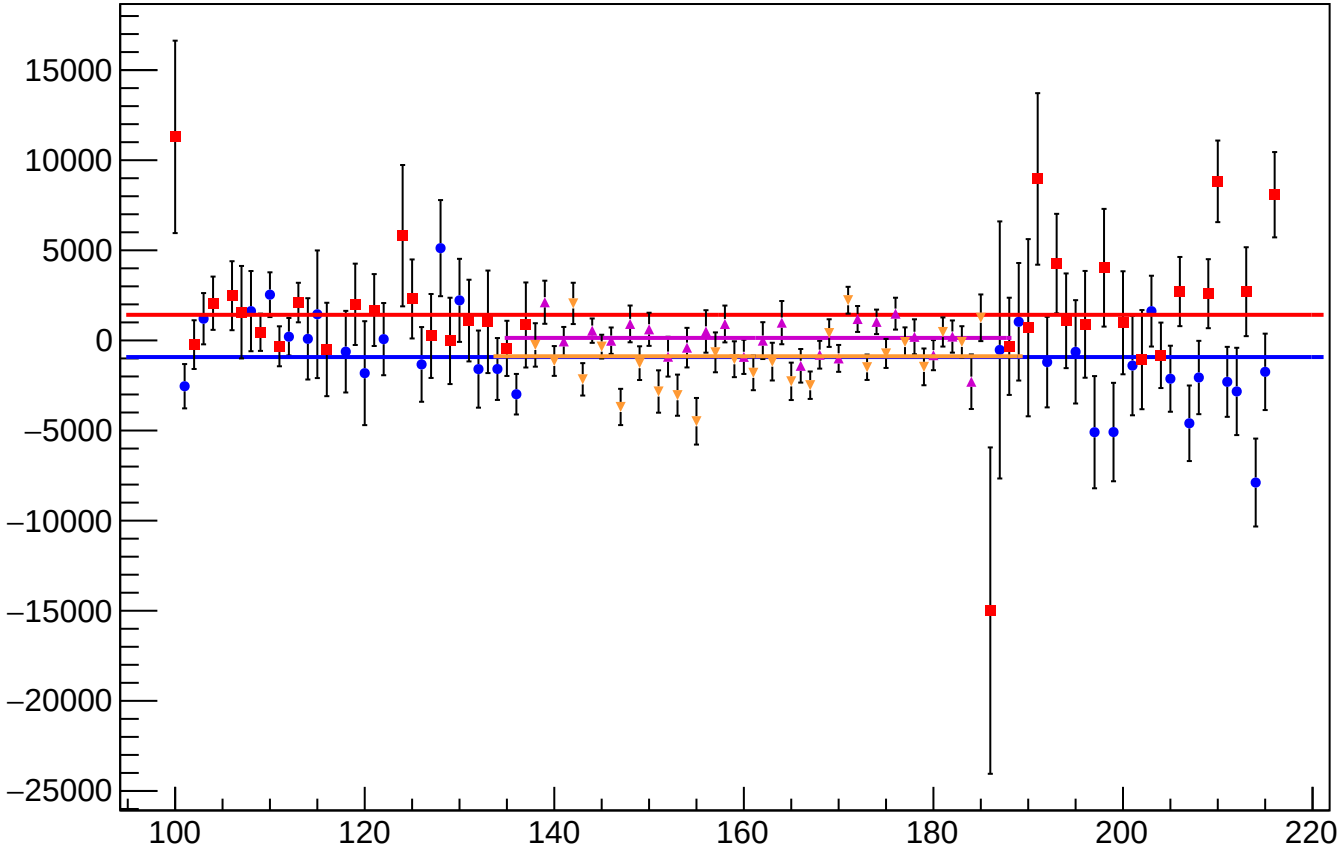
Right: 114.917+/-0.014 χ^2/NDF: 10025830.9/65

In: 100.882+/-0.012 χ^2/NDF:5870452.9/53

Out: 99.699+/-0.012 χ^2/NDF:7312628.8/59

All: 100.278+/-0.009 χ^2/NDF: 13187881.6/1

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1420.610+/-341.835 χ^2/NDF: 43.5/34

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

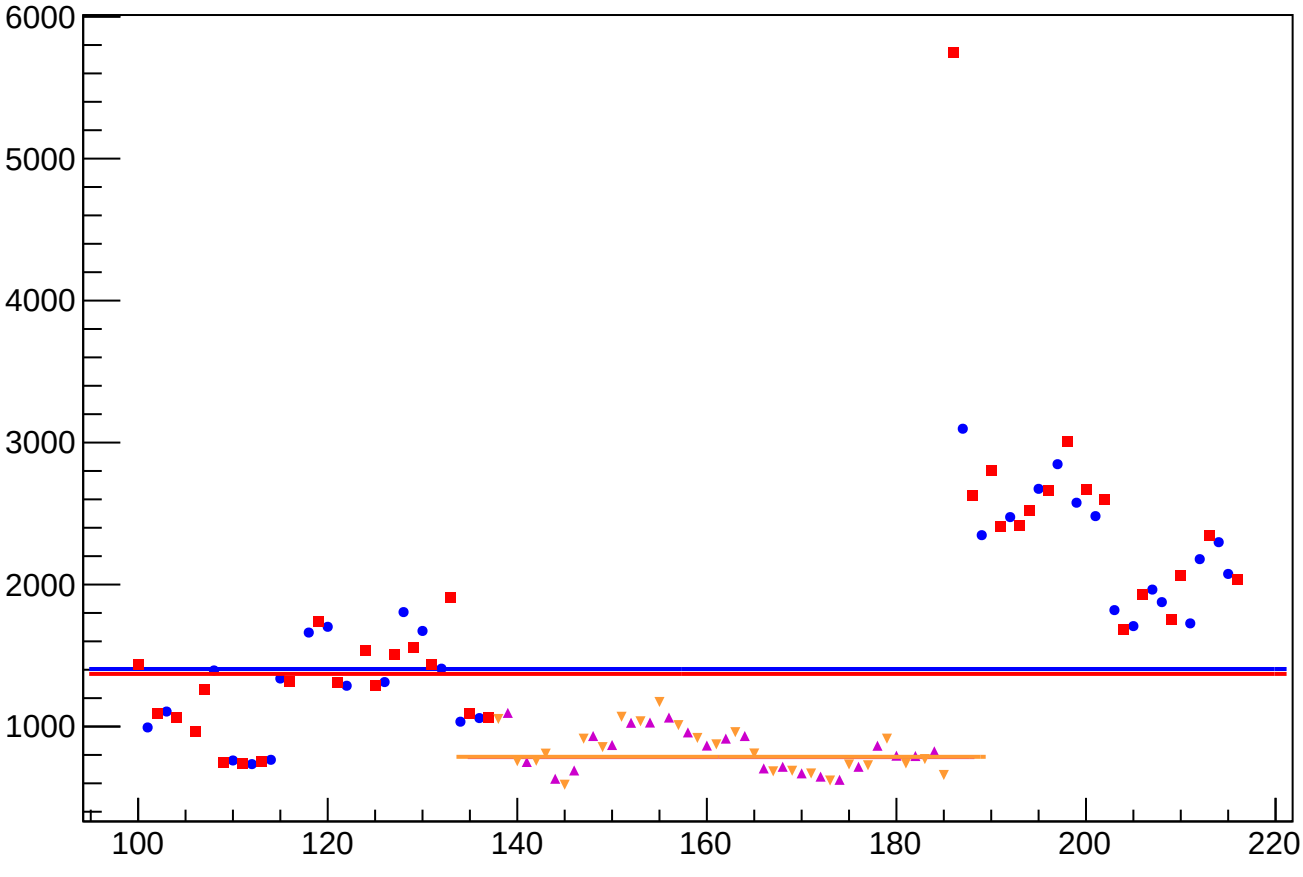
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 267.038+/-243.594 χ^2/NDF: 112.0/65

In: -99.178+/-164.349 χ^2/NDF:76.8/53

Out: -369.858+/-160.778 χ^2/NDF:146.4/59

All: -237.491+/-114.929 χ^2/NDF: 224.6/113



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: 1370.706+/-0.242 χ^2/NDF: 7013562.9/34

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

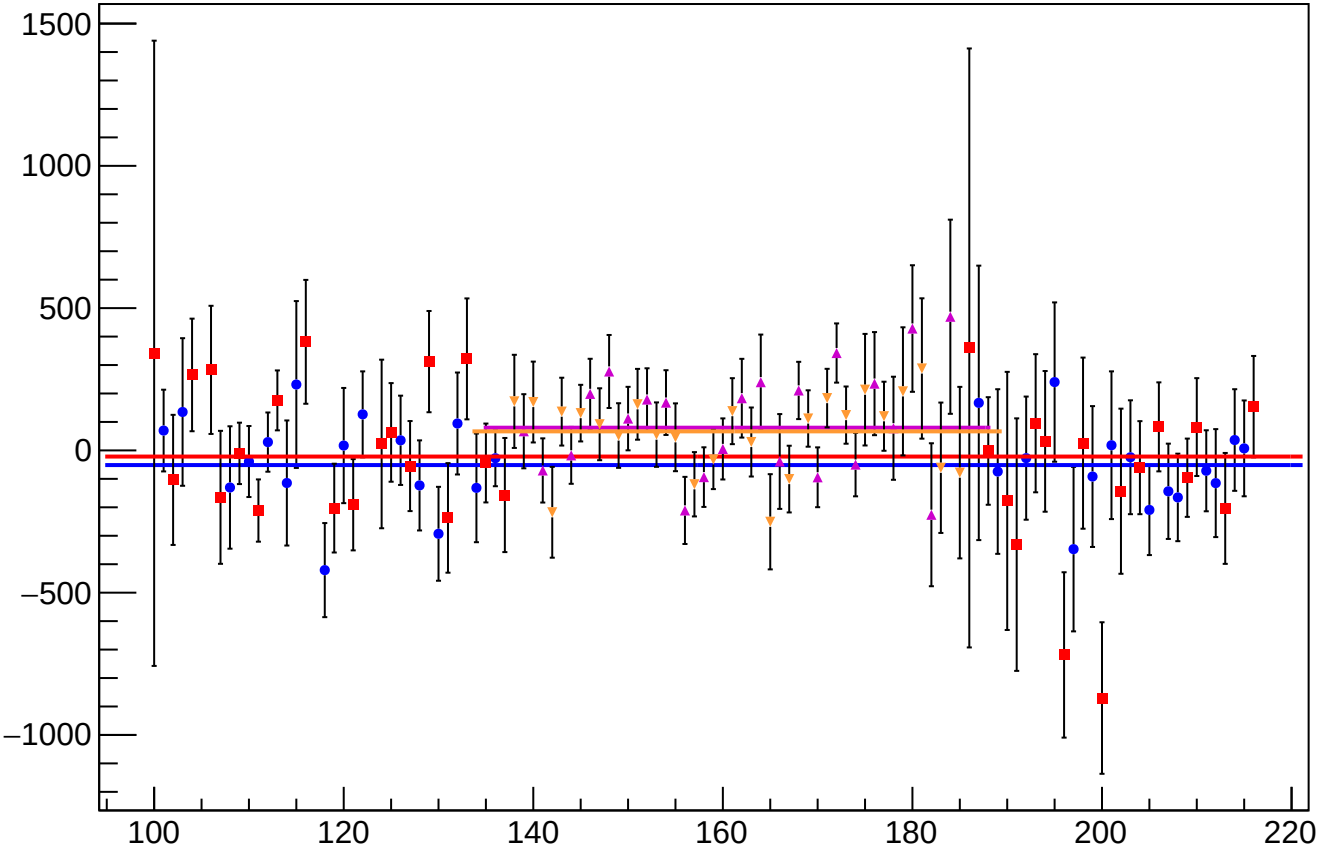
Right: 1387.721+/-0.172 χ^2/NDF: 12533260.5/65

In: 923.841+/-0.116 χ^2/NDF:11528678.6/53

Out: 915.938+/-0.114 χ^2/NDF:12769747.1/59

All: 919.803+/-0.081 χ^2/NDF: 24300788.4/11

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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: -21.636+/-31.153 χ^2/NDF: 45.3/34

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

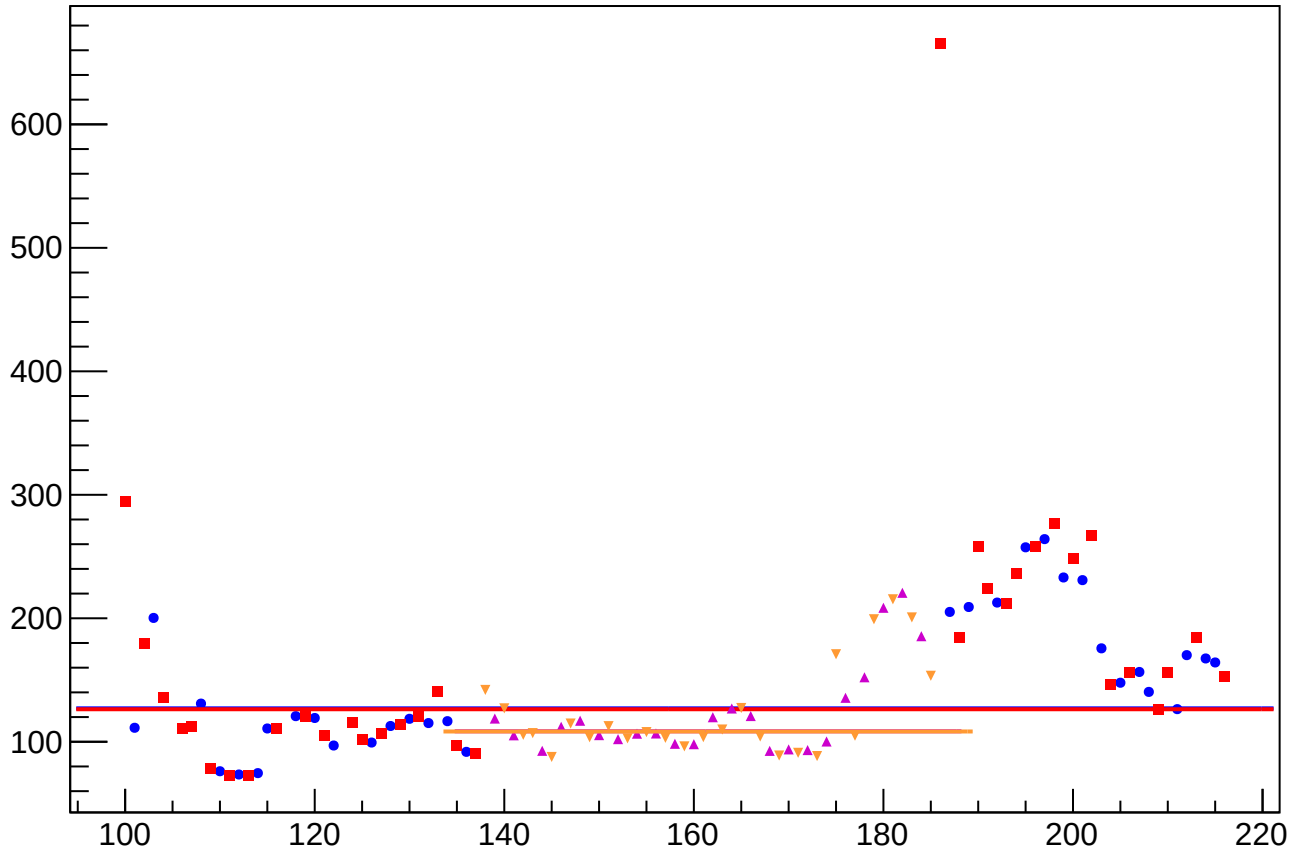
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -36.651+/-21.989 χ^2/NDF: 63.6/65

In: 24.895+/-20.066 χ^2/NDF:65.2/53

Out: 31.237+/-19.771 χ^2/NDF:69.7/59

All: 28.113+/-14.083 χ^2/NDF: 135.0/113



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: 126.338+/-0.022 χ^2/NDF: 5670919.7/34

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

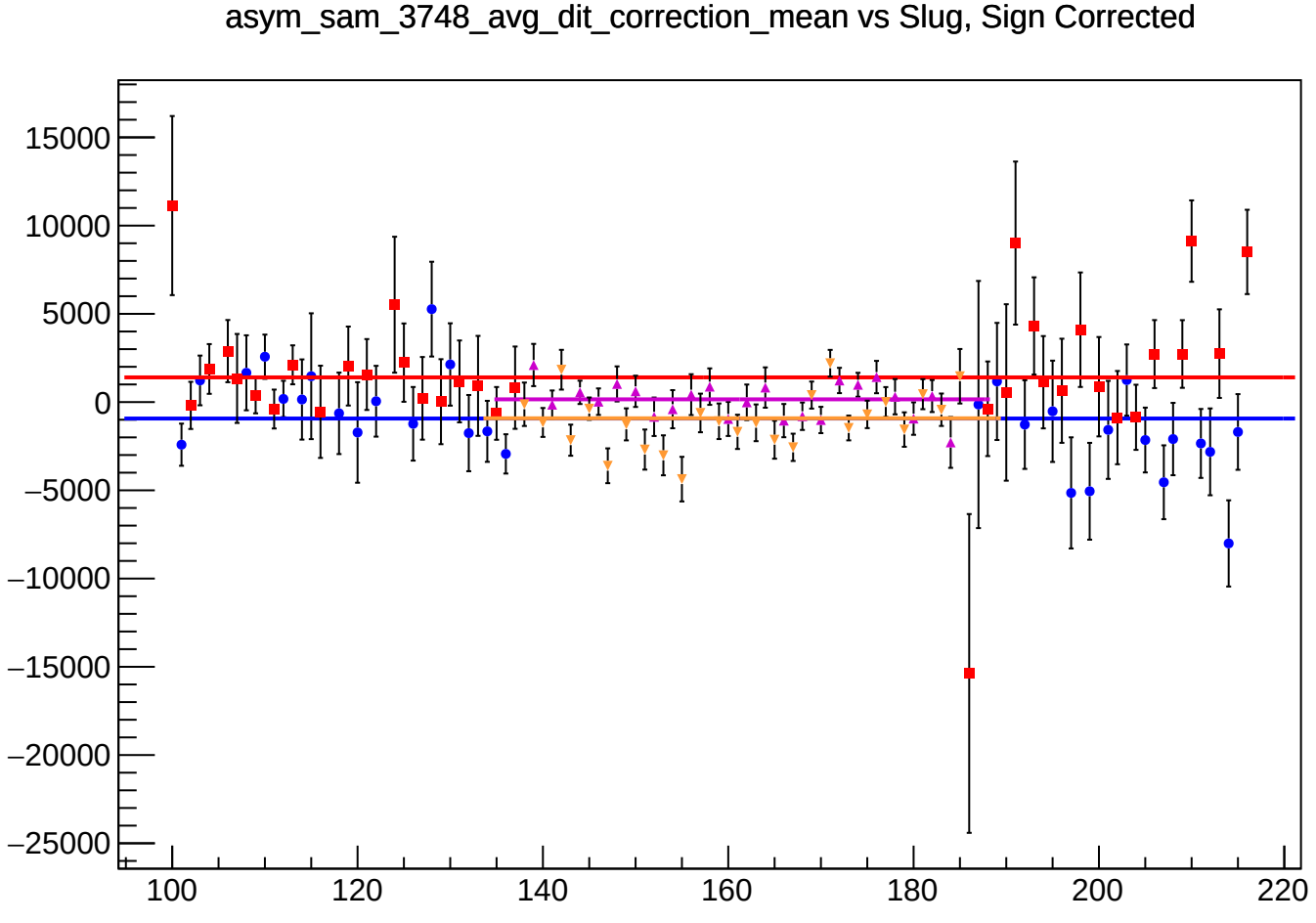
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 126.699+/-0.016 χ^2/NDF: 9908430.4/65

In: 116.249+/-0.014 χ^2/NDF:6032819.0/53

Out: 115.584+/-0.014 χ^2/NDF:7844640.9/59

All: 115.912+/-0.010 χ^2/NDF: 13878577.6/11



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: 1400.164+/-338.609 χ^2/NDF: 46.6/34

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

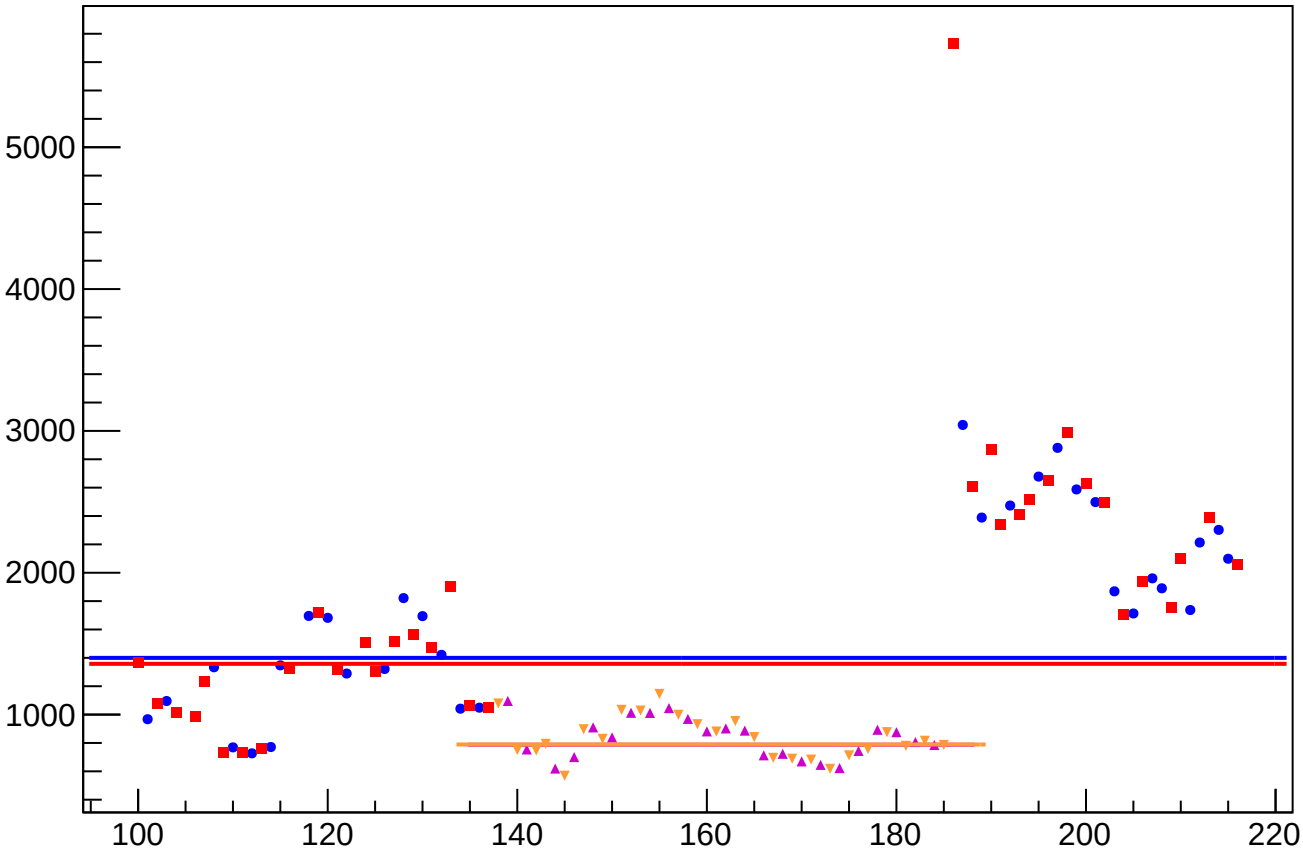
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 261.488+/-242.207 χ^2/NDF: 114.9/65

In: -89.535+/-164.653 χ^2/NDF:75.8/53

Out: -396.922+/-160.625 χ^2/NDF:147.0/59

All: -247.034+/-114.977 χ^2/NDF: 224.6/113



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: 1357.855+/-0.239 χ^2/NDF: 7141037.2/34

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

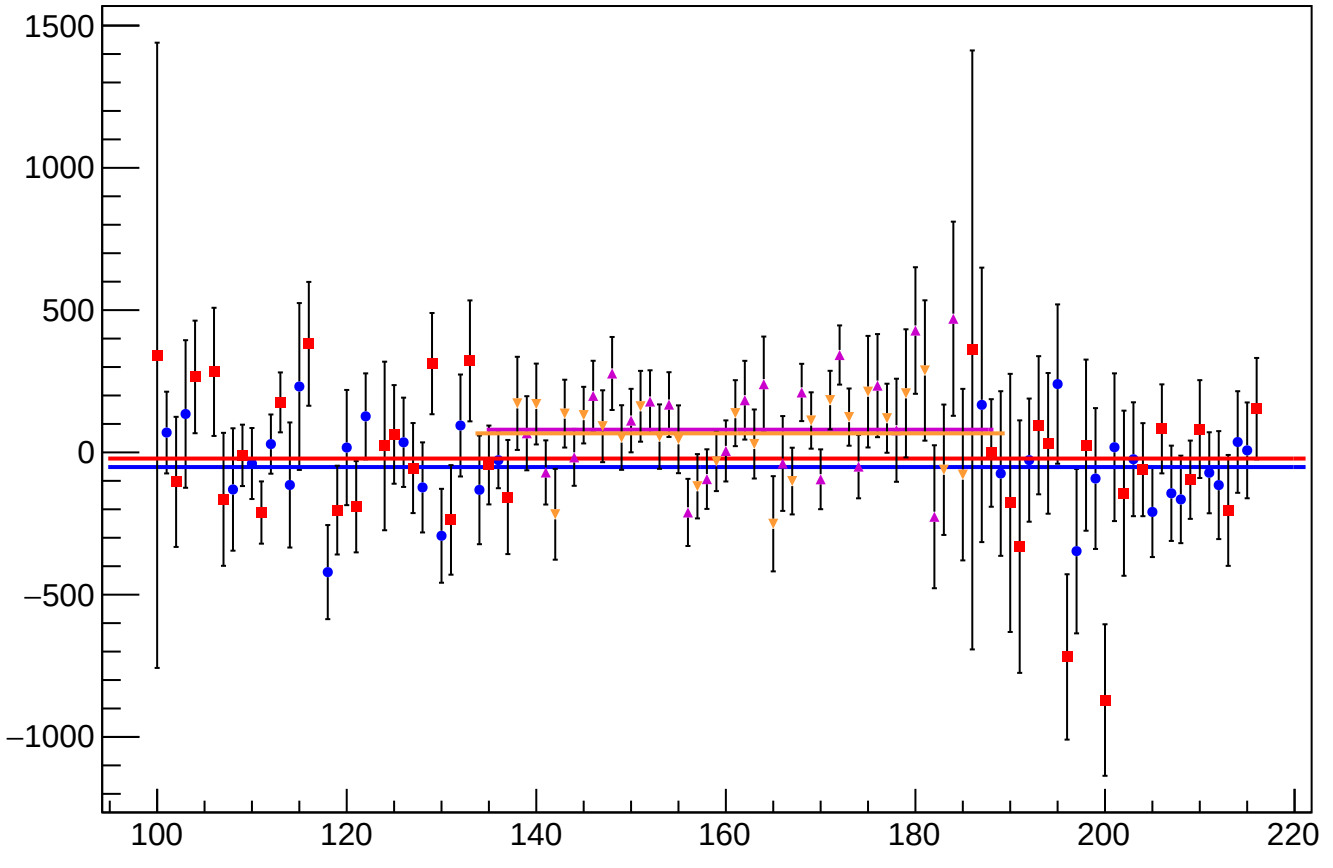
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1378.400+/-0.171 χ^2/NDF: 12826059.0/65

In: 925.627+/-0.116 χ^2/NDF:11548216.8/53

Out: 917.201+/-0.114 χ^2/NDF:12688458.8/59

All: 921.309+/-0.081 χ^2/NDF: 24239359.5/11



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: -21.639+/-31.153 χ^2/NDF: 45.3/34

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

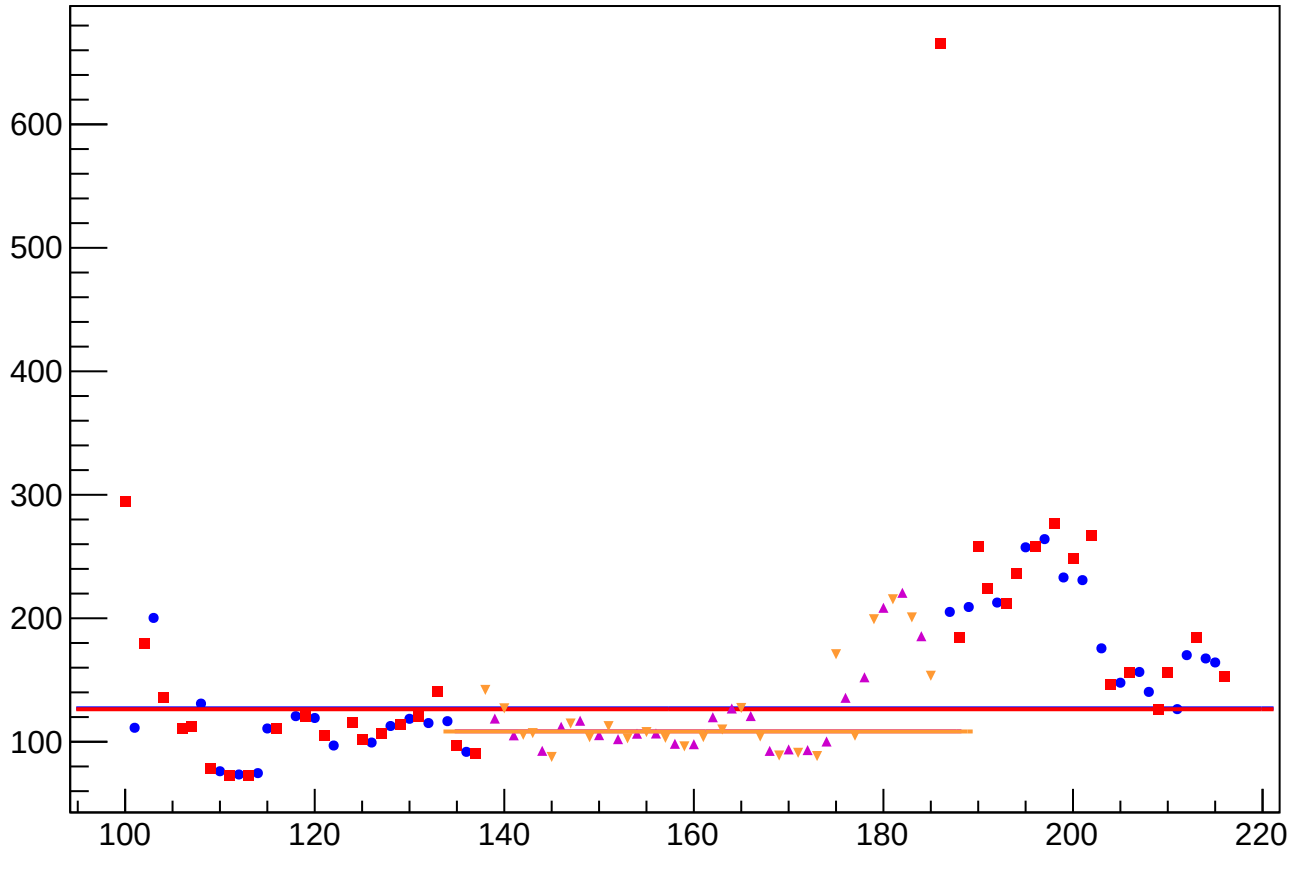
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -36.651+/-21.989 χ^2/NDF: 63.6/65

In: 24.896+/-20.066 χ^2/NDF:65.2/53

Out: 31.236+/-19.771 χ^2/NDF:69.7/59

All: 28.113+/-14.083 χ^2/NDF: 135.0/113



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: 126.338+/-0.022 χ^2/NDF: 5670918.7/34

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

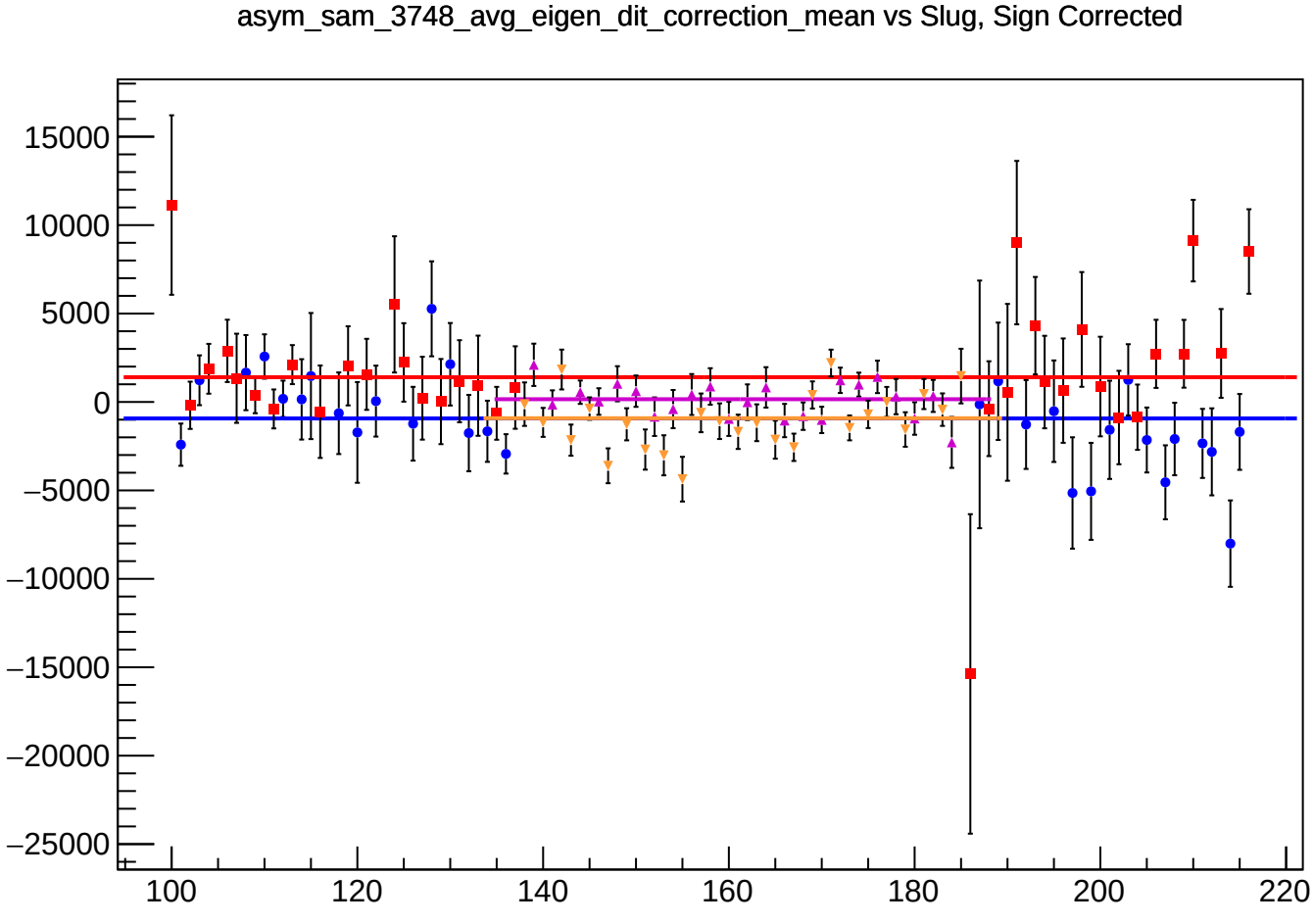
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 126.699+/-0.016 χ^2/NDF: 9908412.5/65

In: 116.250+/-0.014 χ^2/NDF:6032774.1/53

Out: 115.584+/-0.014 χ^2/NDF:7844625.9/59

All: 115.912+/-0.010 χ^2/NDF: 13878517.7/1



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: 1400.161+/-338.608 χ^2/NDF: 46.6/34

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

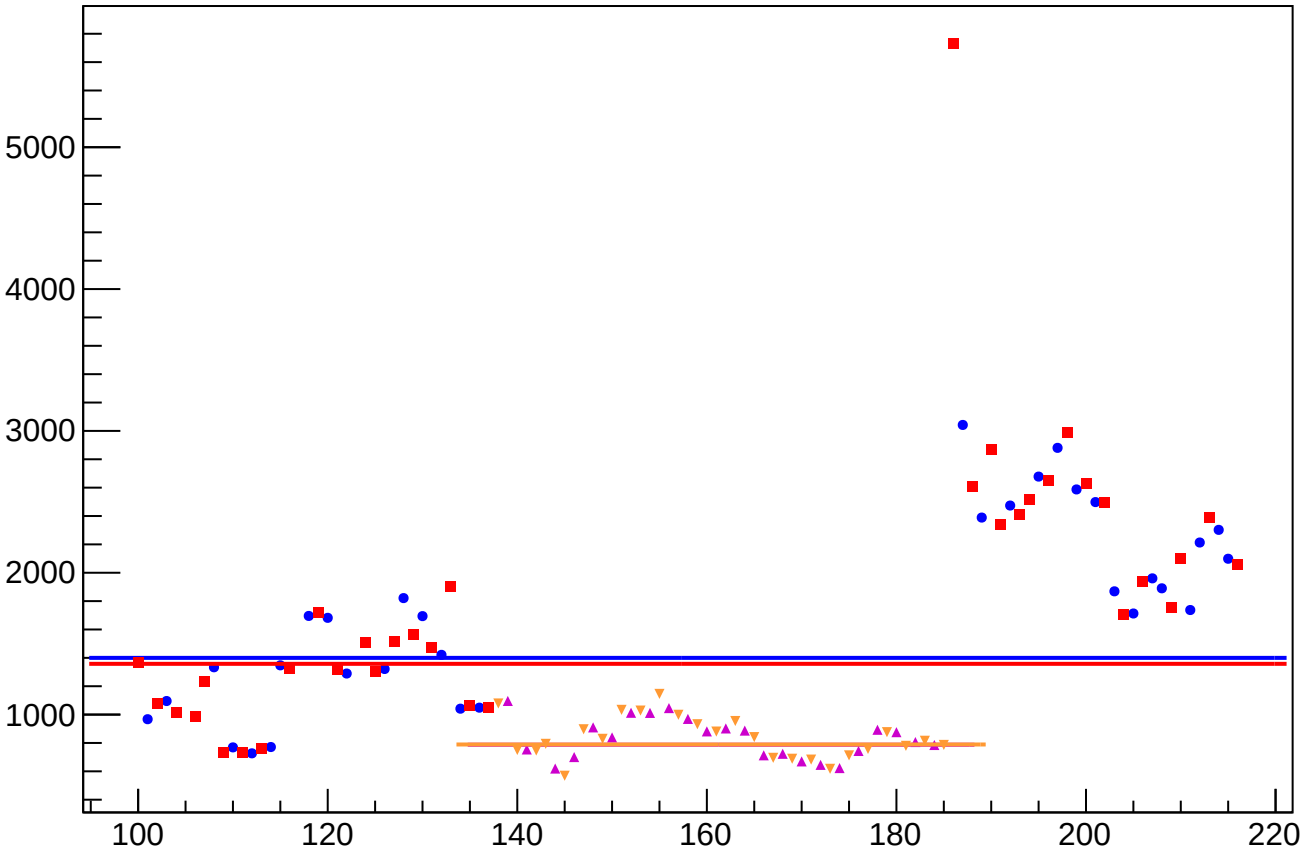
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 261.488+/-242.207 χ^2/NDF: 114.9/65

In: -89.535+/-164.653 χ^2/NDF:75.8/53

Out: -396.923+/-160.625 χ^2/NDF:147.0/59

All: -247.034+/-114.977 χ^2/NDF: 224.6/113



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: 1357.853+/-0.239 χ^2/NDF: 7141045.6/34

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

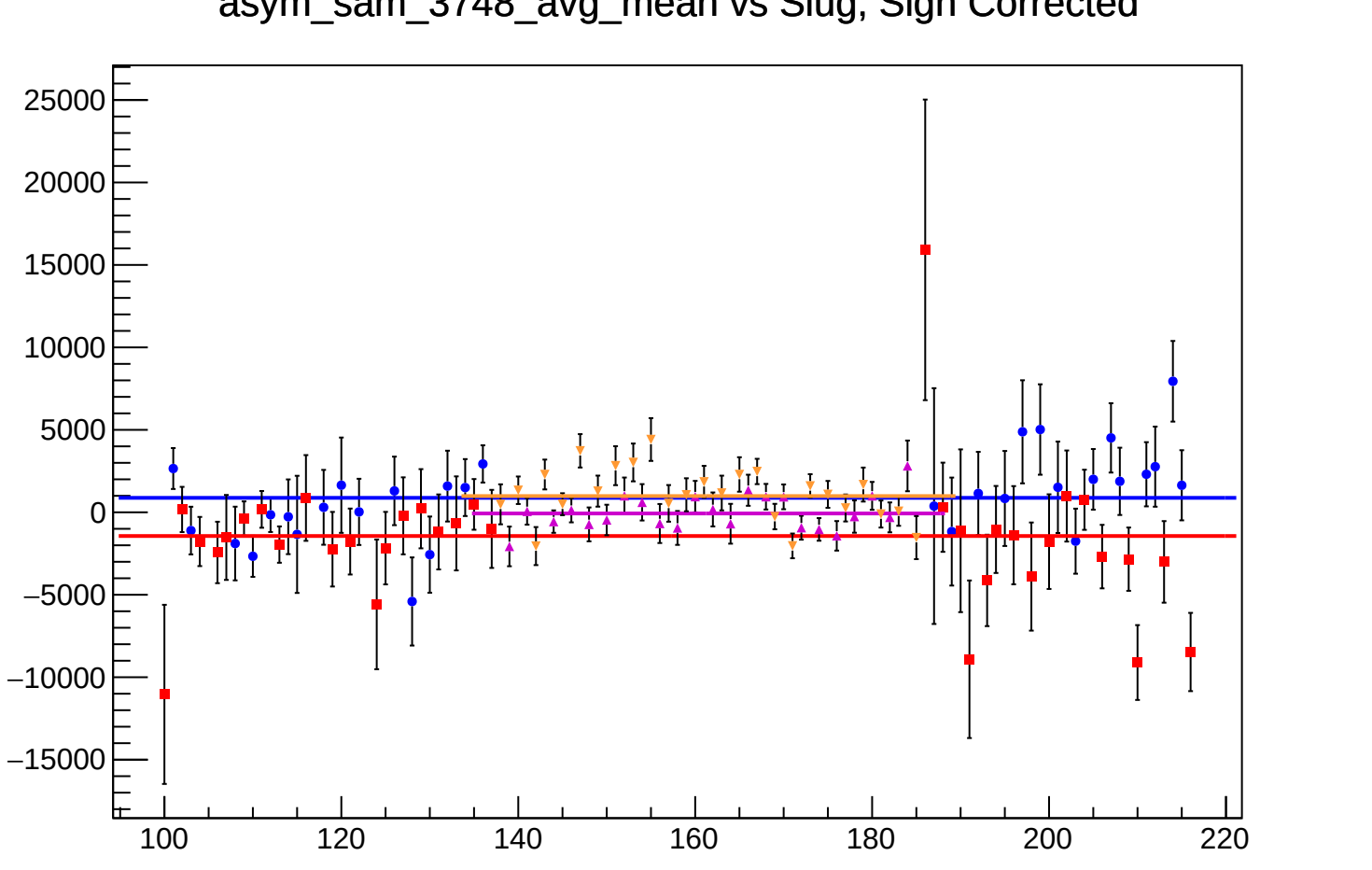
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1378.398+/-0.171 χ^2/NDF: 12826080.3/65

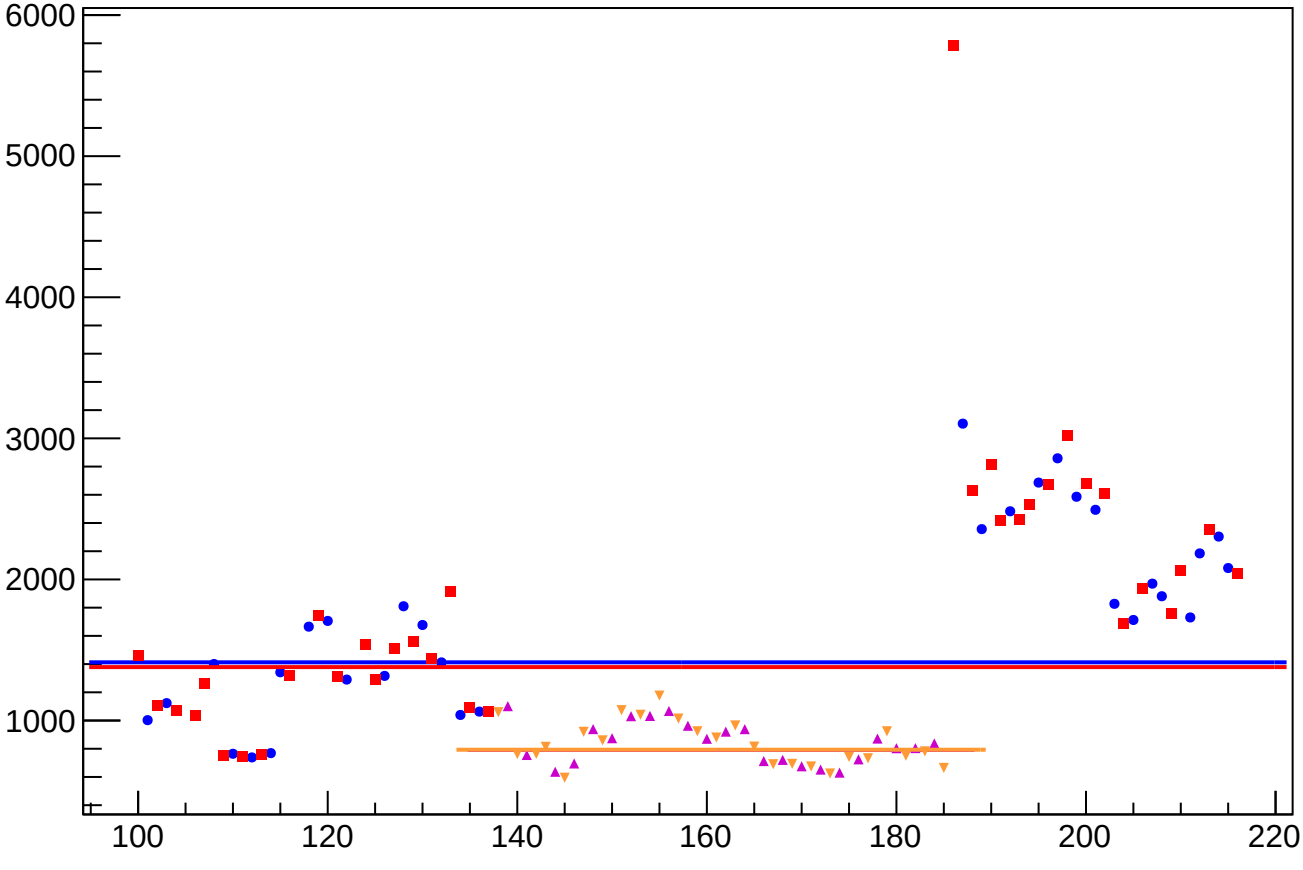
In: 925.625+/-0.116 χ^2/NDF:11548230.7/53

Out: 917.199+/-0.114 χ^2/NDF:12688473.4/59

All: 921.308+/-0.081 χ^2/NDF: 24239387.9/11


asym_sam_3748_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 876.986+/-348.842 χ²/NDF: 46.2/30
Left Out: 985.656+/-183.601 χ²/NDF:63.7/24
Right Out: -1437.112+/-343.037 χ²/NDF: 44.6/34
Left In: -70.089+/-188.036 χ²/NDF:24.4/22
Left: 470.380+/-131.365 χ²/NDF: 104.3/47
Right: -299.476+/-244.590 χ²/NDF: 113.2/65
In: 143.134+/-165.521 χ²/NDF:76.3/53
Out: 446.167+/-161.874 χ²/NDF:147.1/59
All: 298.026+/-115.730 χ²/NDF: 225.2/113

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: 1378.702+/-0.243 χ^2/NDF: 6968793.3/34

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

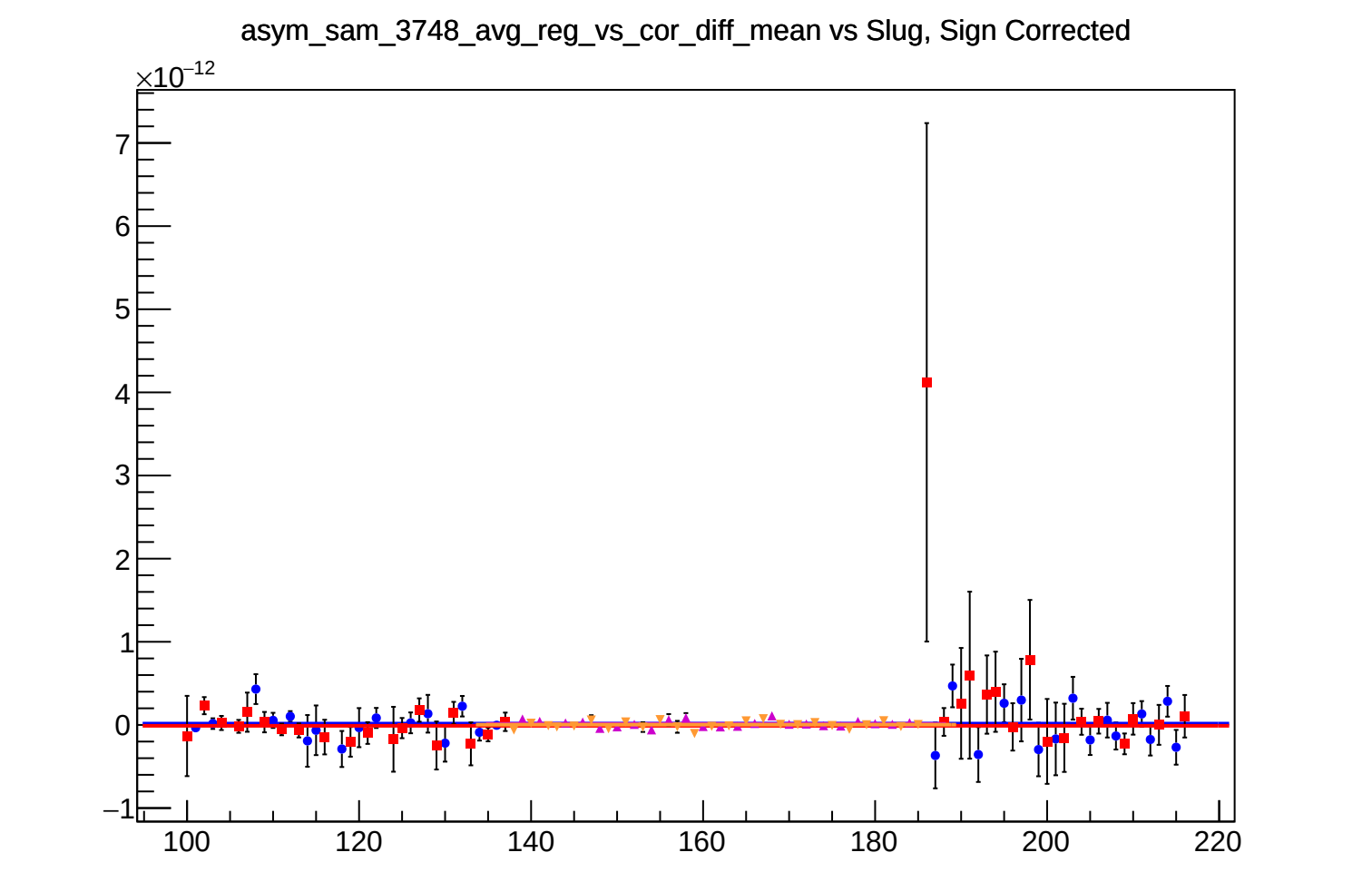
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1395.316+/-0.173 χ^2/NDF: 12458794.9/65

In: 931.043+/-0.117 χ^2/NDF:11446108.0/53

Out: 923.461+/-0.114 χ^2/NDF:12694122.3/59

All: 927.167+/-0.082 χ^2/NDF: 24142375.5/1



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: 24.7/34

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

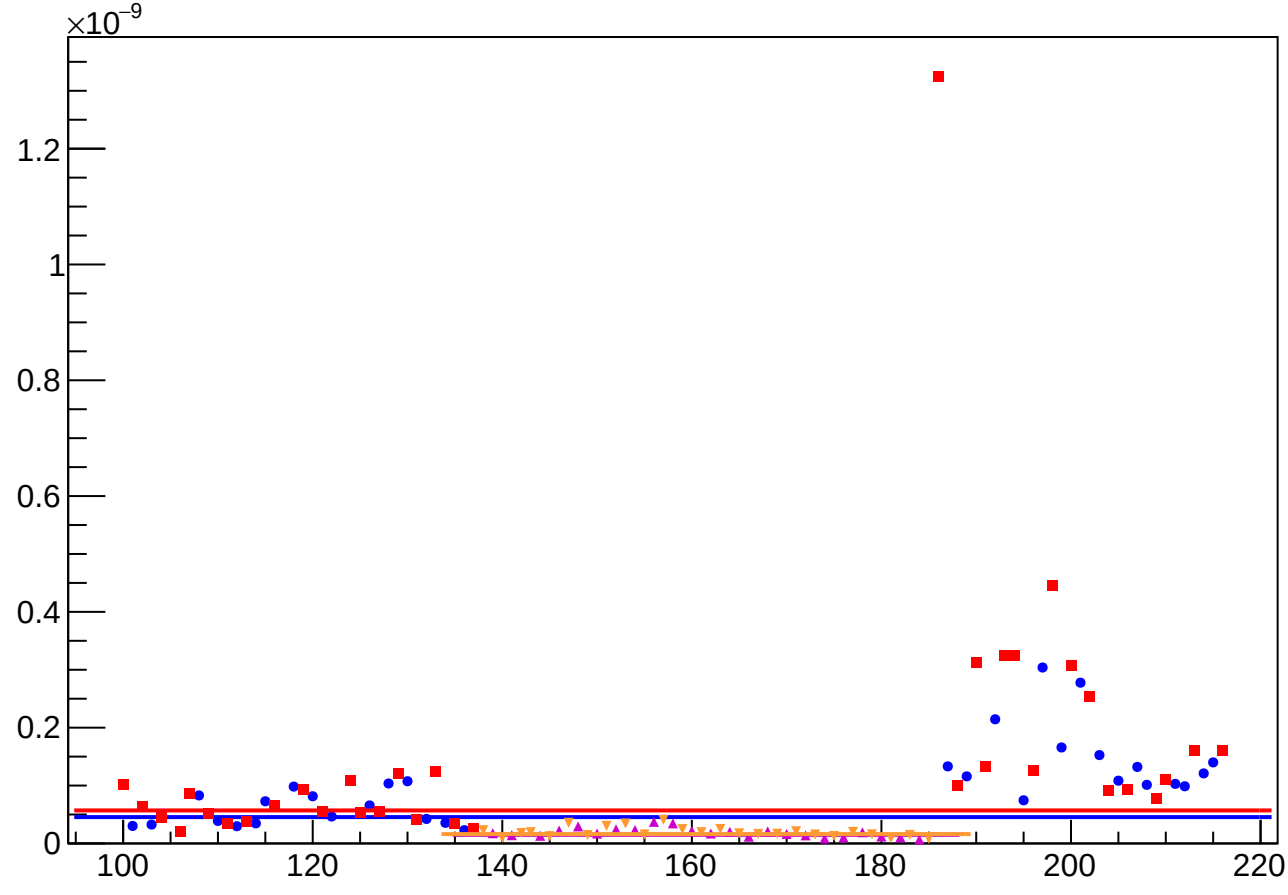
Right: 0.000+/-0.000 χ^2/NDF: 59.2/65

In: 0.000+/-0.000 χ^2/NDF:59.1/53

Out: 0.000+/-0.000 χ^2/NDF:58.9/59

All: 0.000+/-0.000 χ^2/NDF: 119.3/113

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 6331372.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

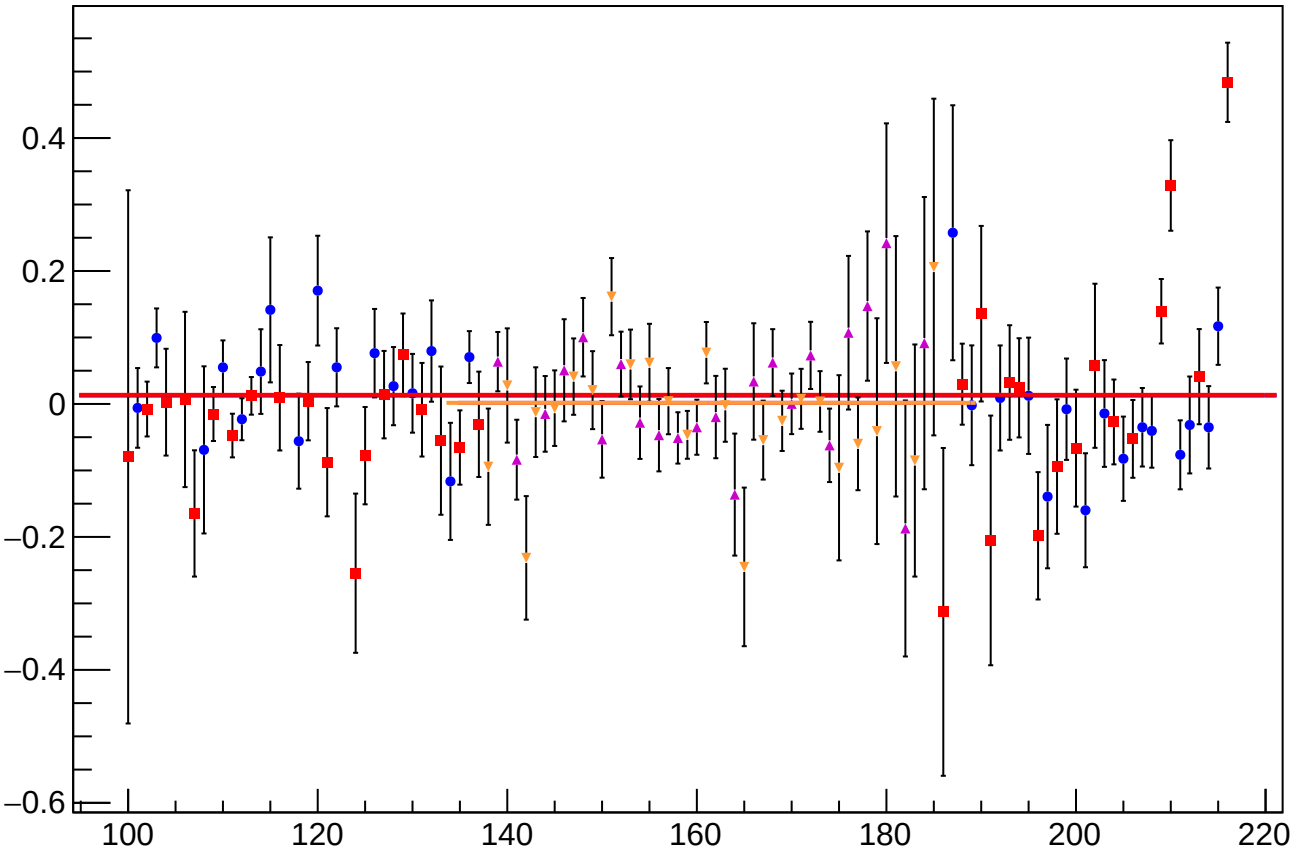
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 12817712.9/65

In: 0.000+/-0.000 χ^2/NDF:11987982.8/53

Out: 0.000+/-0.000 χ^2/NDF:13251755.8/59

All: 0.000+/-0.000 χ^2/NDF: 25281082.0/113



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: 0.014+/-0.011 χ^2/NDF: 123.0/34

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

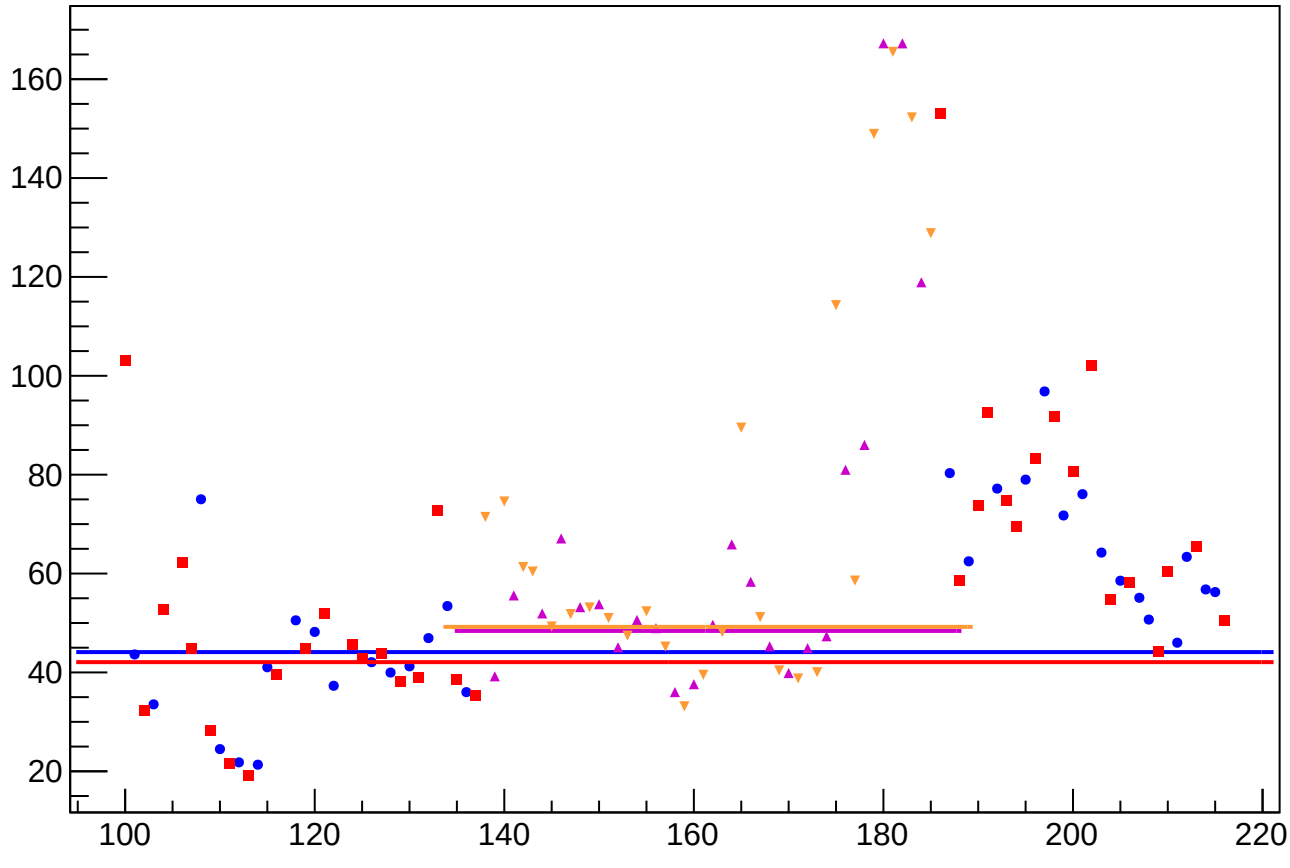
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.013+/-0.008 χ^2/NDF: 161.5/65

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: 0.008+/-0.008 χ^2/NDF:153.9/59

All: 0.008+/-0.006 χ^2/NDF: 218.9/113



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: 42.081+/-0.008 χ^2/NDF: 6509029.6/34

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

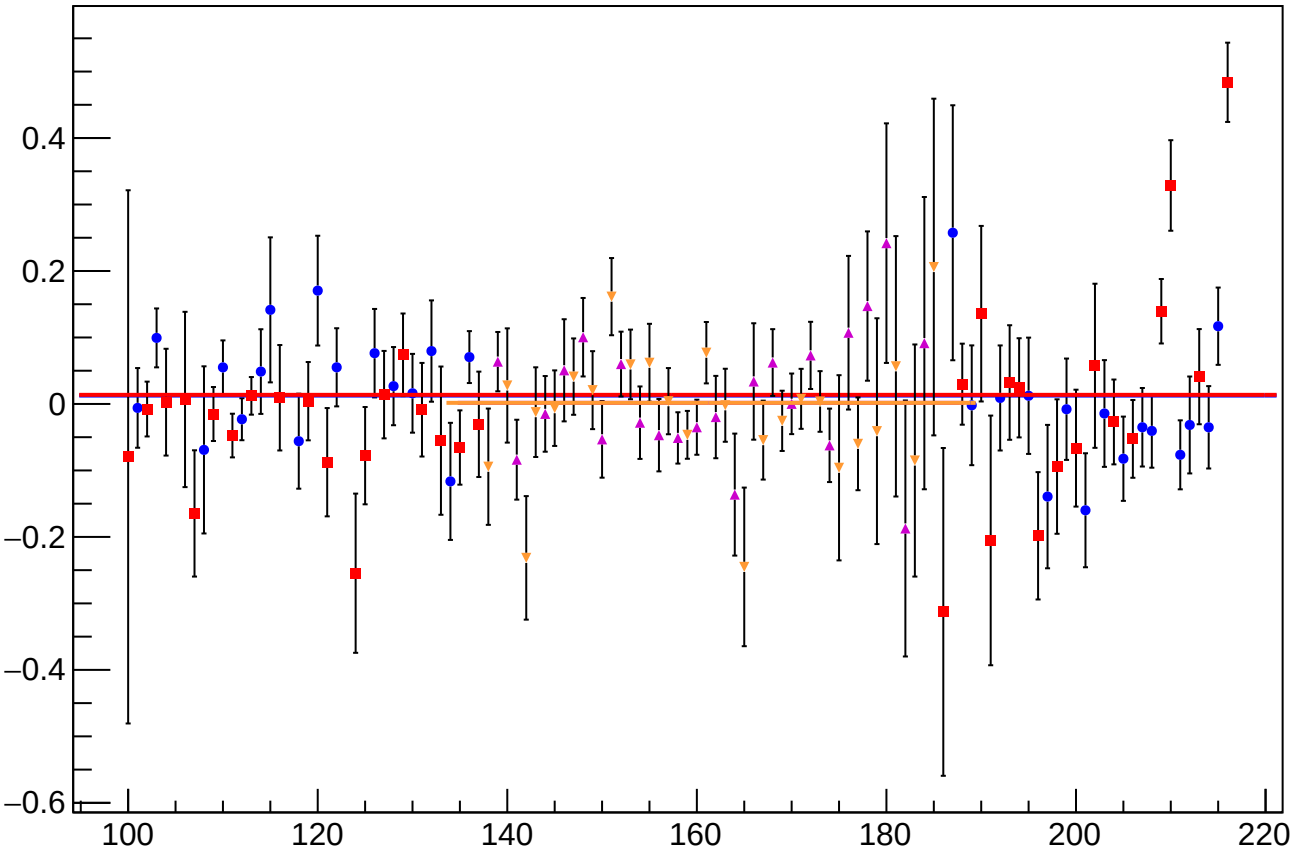
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.072+/-0.005 χ^2/NDF: 11160333.1/65

In: 46.017+/-0.006 χ^2/NDF:7783008.9/53

Out: 45.193+/-0.006 χ^2/NDF:11060364.9/59

All: 45.598+/-0.004 χ^2/NDF: 18853501.9/113



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: 0.014+/-0.011 χ^2/NDF: 123.0/34

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

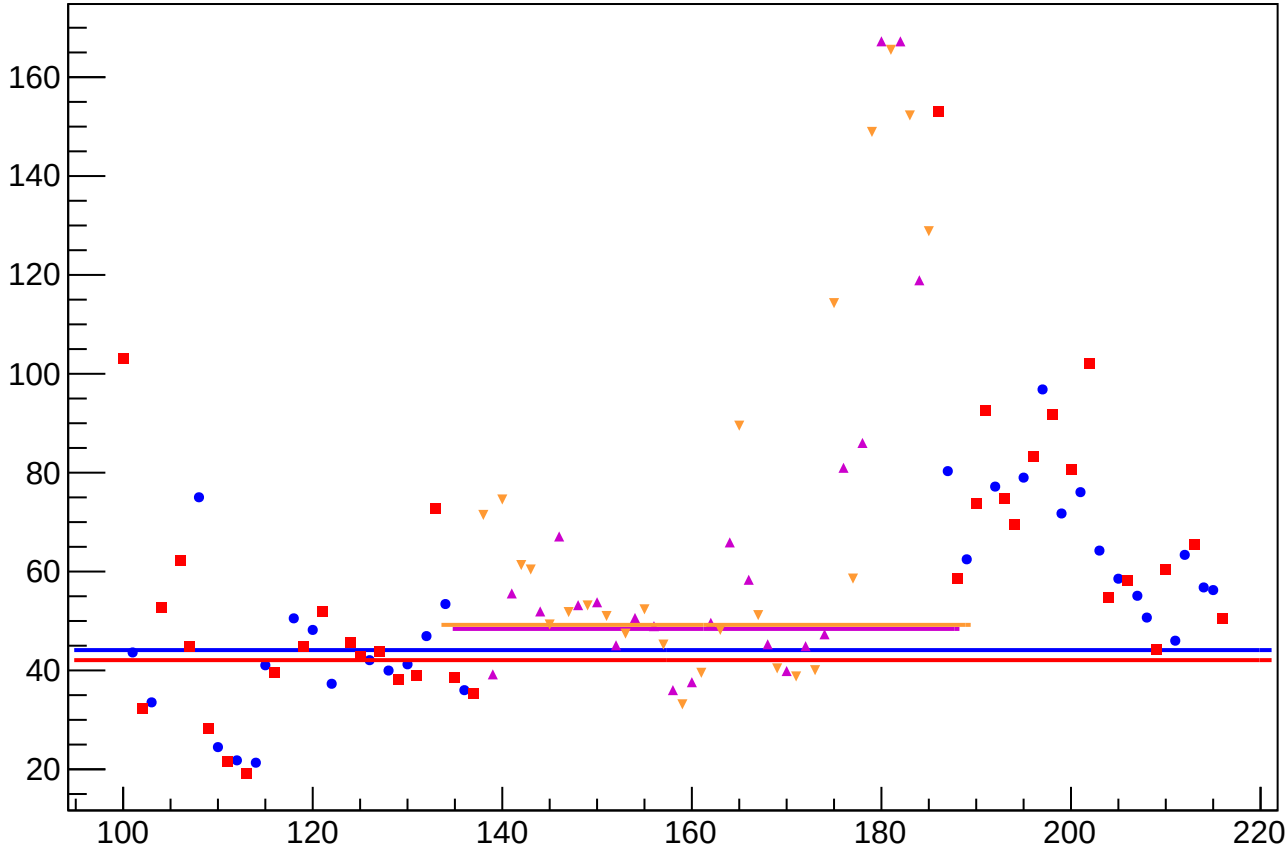
Right: 0.013+/-0.008 χ^2/NDF: 161.5/65

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: 0.008+/-0.008 χ^2/NDF:153.9/59

All: 0.008+/-0.006 χ^2/NDF: 218.9/113

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 42.081+/-0.008 χ^2/NDF: 6509029.6/34

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

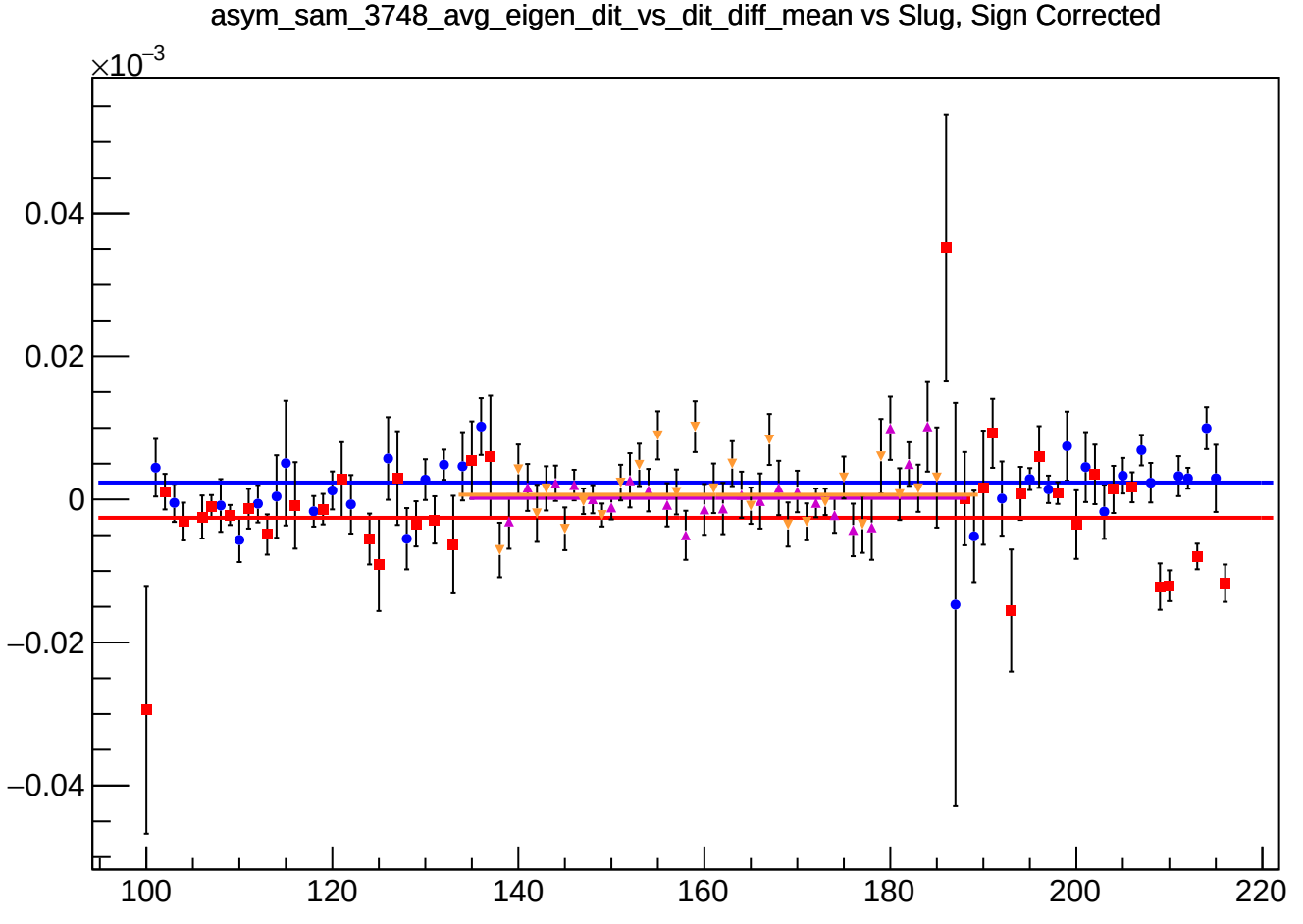
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 43.072+/-0.005 χ^2/NDF: 11160333.1/65

In: 46.017+/-0.006 χ^2/NDF:7783008.9/53

Out: 45.193+/-0.006 χ^2/NDF:11060364.9/59

All: 45.598+/-0.004 χ^2/NDF: 18853501.9/113



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 94.0/34

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

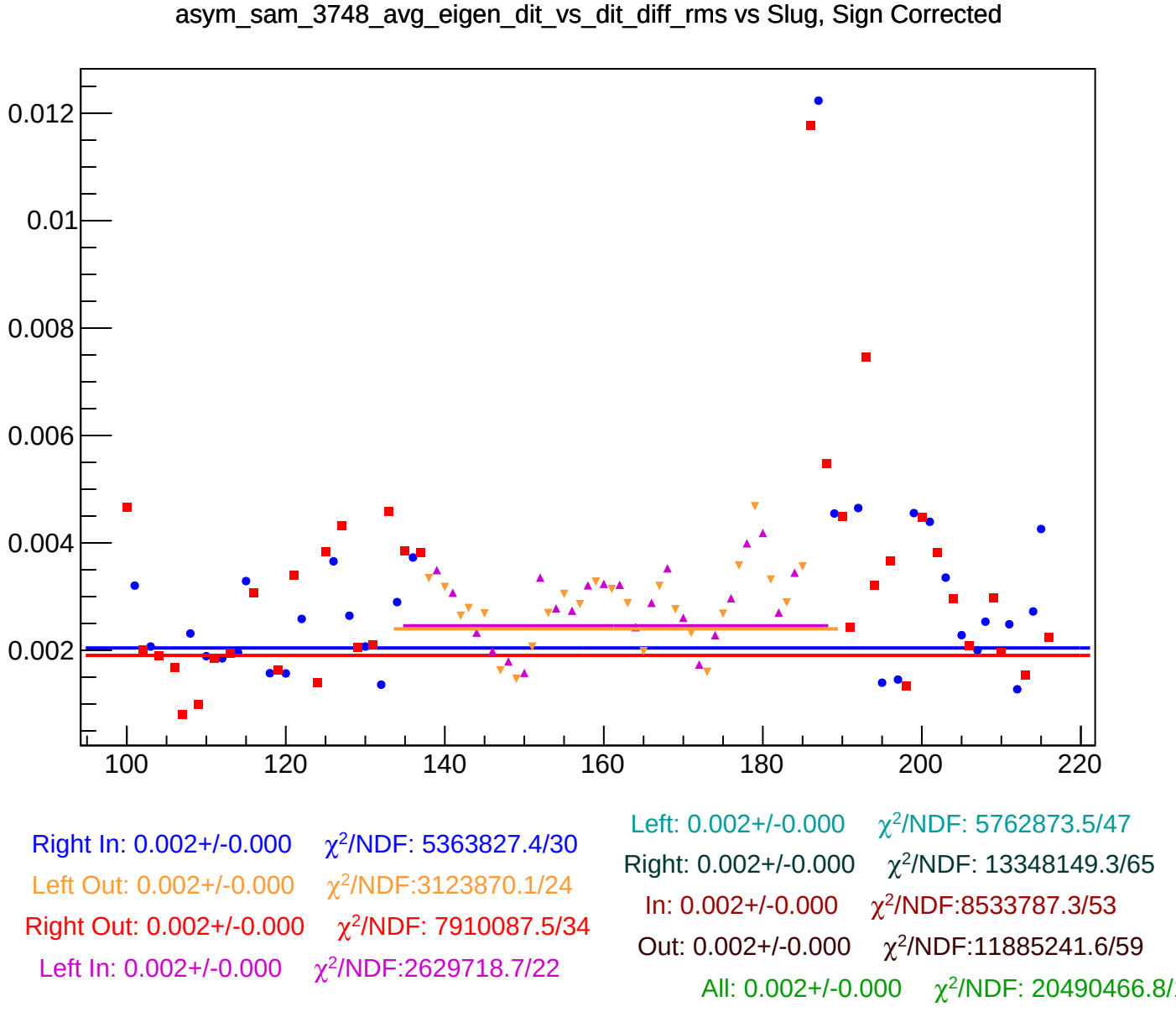
Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

Right: -0.000+/-0.000 χ^2/NDF: 181.8/65

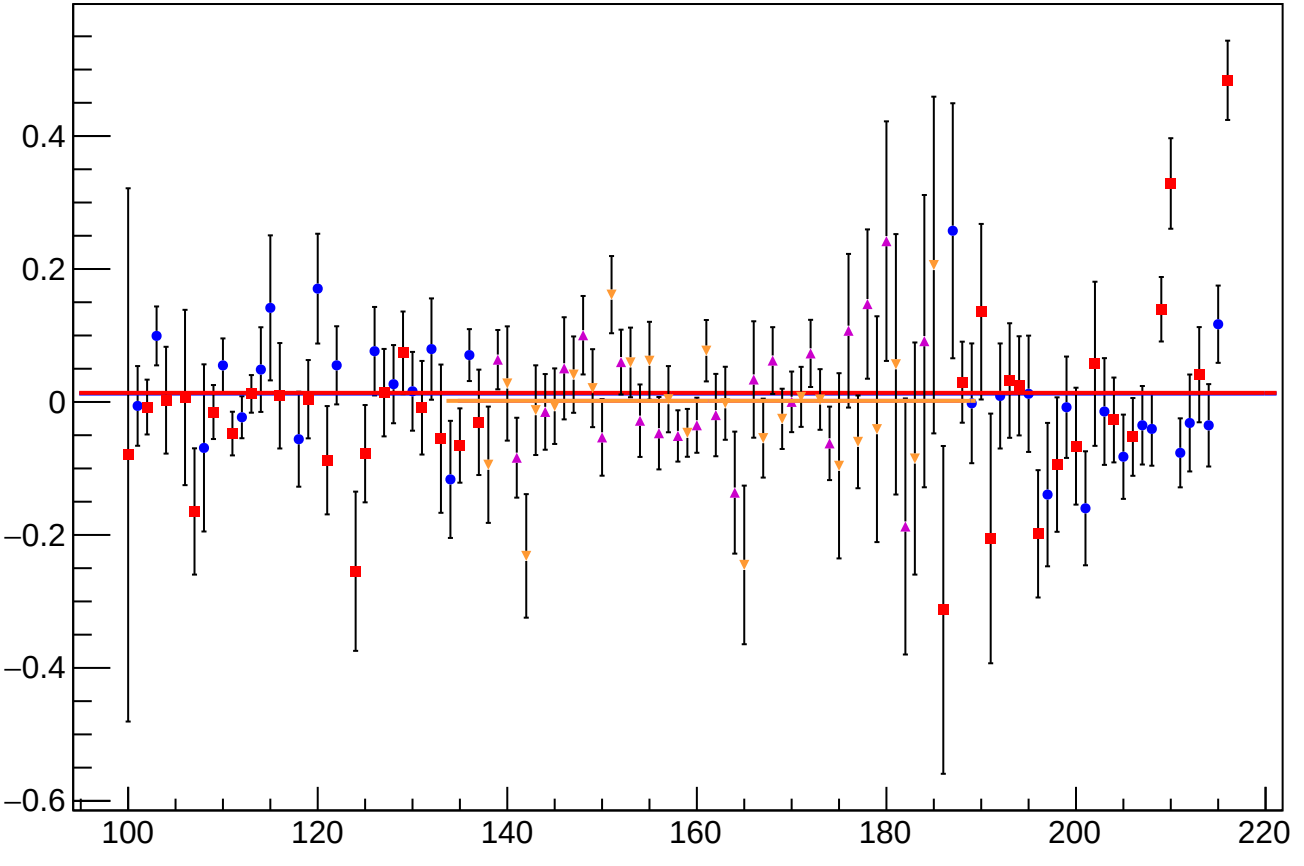
In: 0.000+/-0.000 χ^2/NDF:67.5/53

Out: -0.000+/-0.000 χ^2/NDF:153.9/59

All: 0.000+/-0.000 χ^2/NDF: 245.0/113


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: 7910087.5/34
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: 13348149.3/65
In: 0.002+/-0.000 χ²/NDF:8533787.3/53
Out: 0.002+/-0.000 χ²/NDF:11885241.6/59
All: 0.002+/-0.000 χ²/NDF: 20490466.8/113

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.014+/-0.011 χ^2/NDF: 123.0/34

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

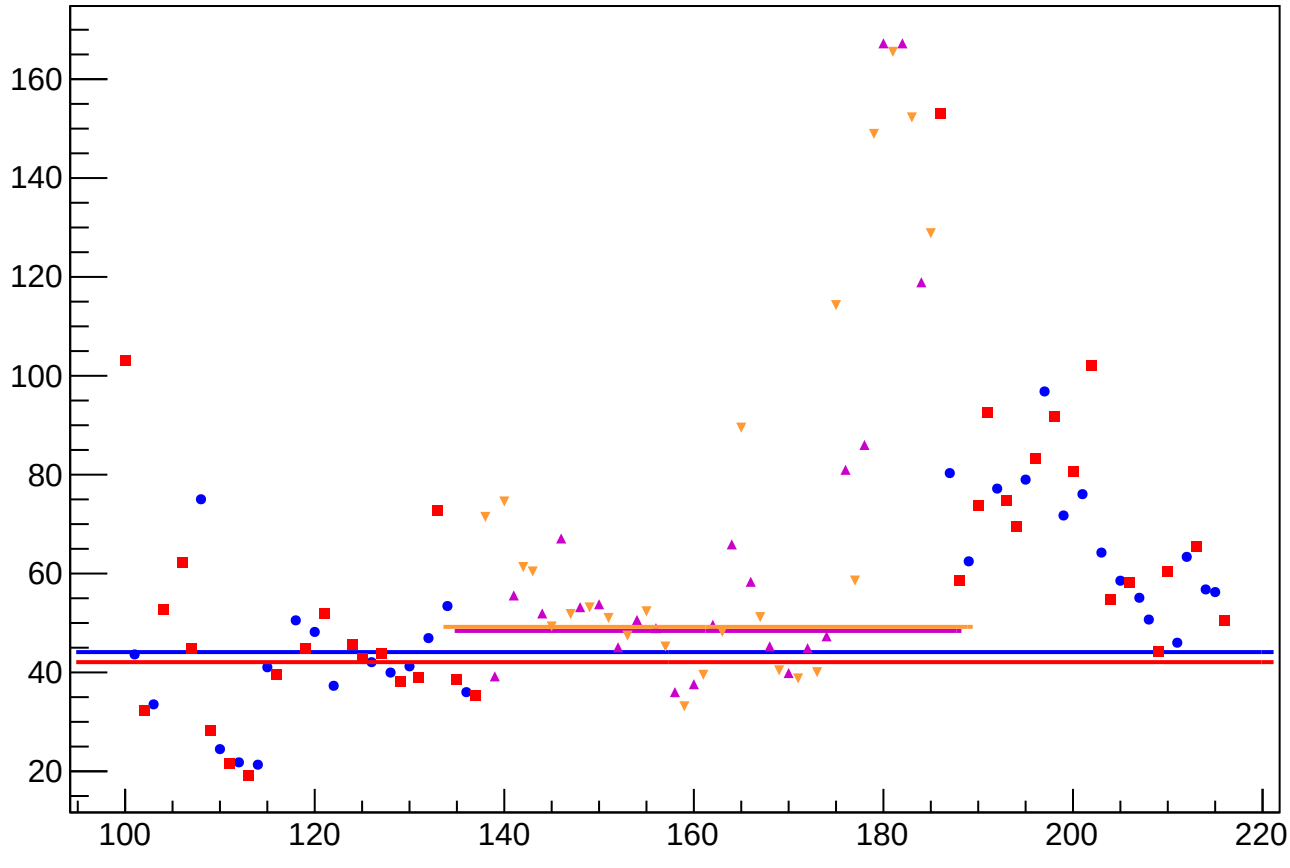
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.013+/-0.008 χ^2/NDF: 161.4/65

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: 0.008+/-0.008 χ^2/NDF:153.9/59

All: 0.008+/-0.006 χ^2/NDF: 218.9/113



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: 42.082+/-0.008 χ^2/NDF: 6508932.7/34

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

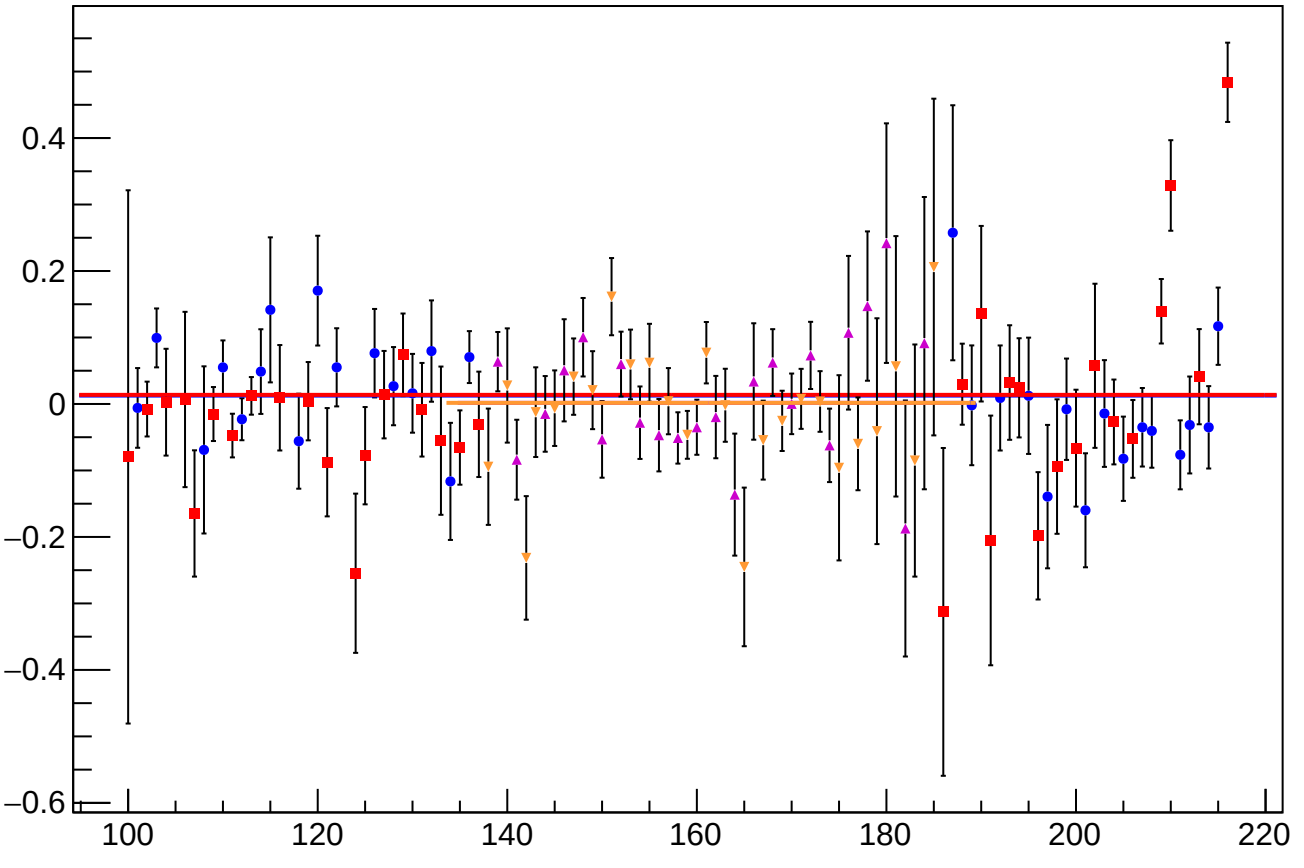
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.073+/-0.005 χ^2/NDF: 11160085.8/65

In: 46.017+/-0.006 χ^2/NDF:7782839.9/53

Out: 45.193+/-0.006 χ^2/NDF:11060249.1/59

All: 45.599+/-0.004 χ^2/NDF: 18853215.7/113



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: 0.014+/-0.011 χ^2/NDF: 123.0/34

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

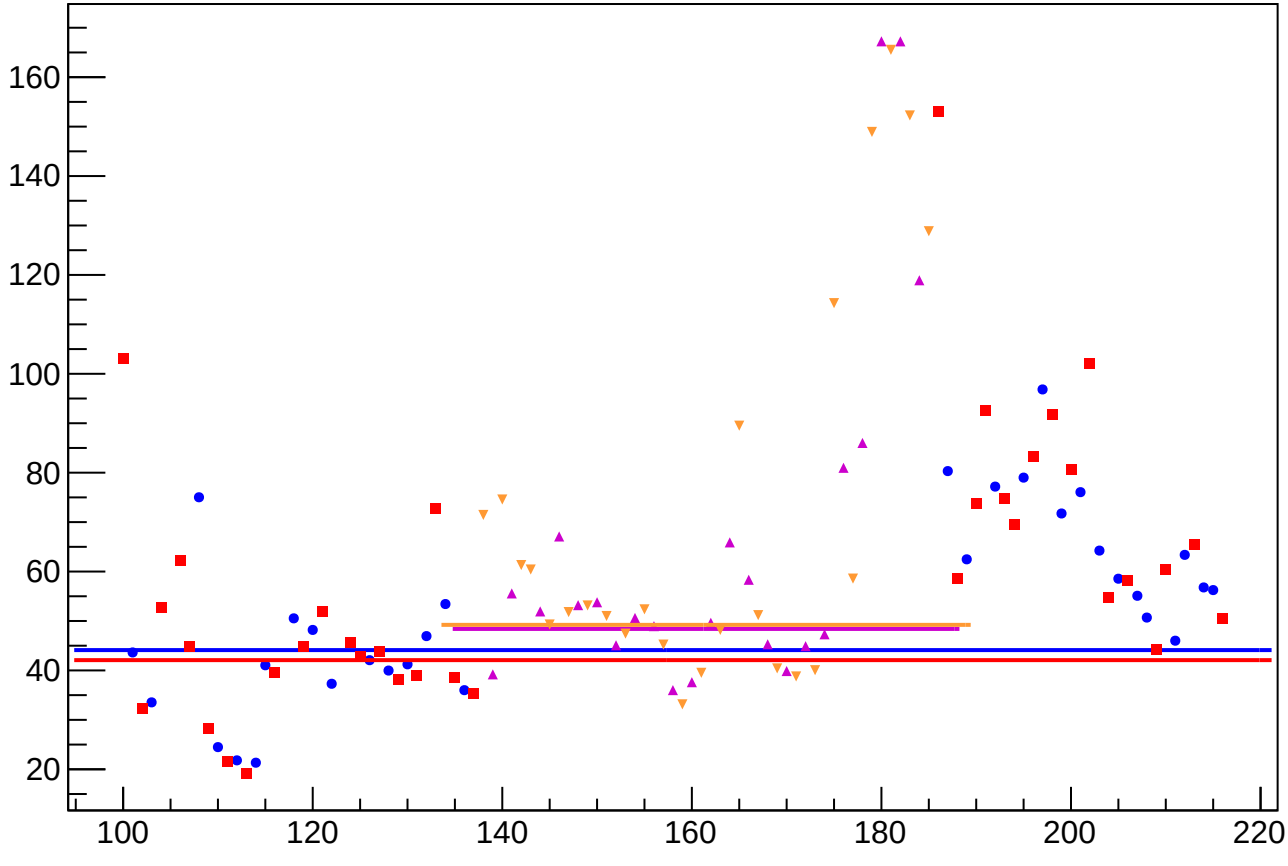
Right: 0.013+/-0.008 χ^2/NDF: 161.4/65

In: 0.008+/-0.008 χ^2/NDF:65.0/53

Out: 0.008+/-0.008 χ^2/NDF:153.9/59

All: 0.008+/-0.006 χ^2/NDF: 218.9/113

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: 42.082+/-0.008 χ^2/NDF: 6508932.7/34

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

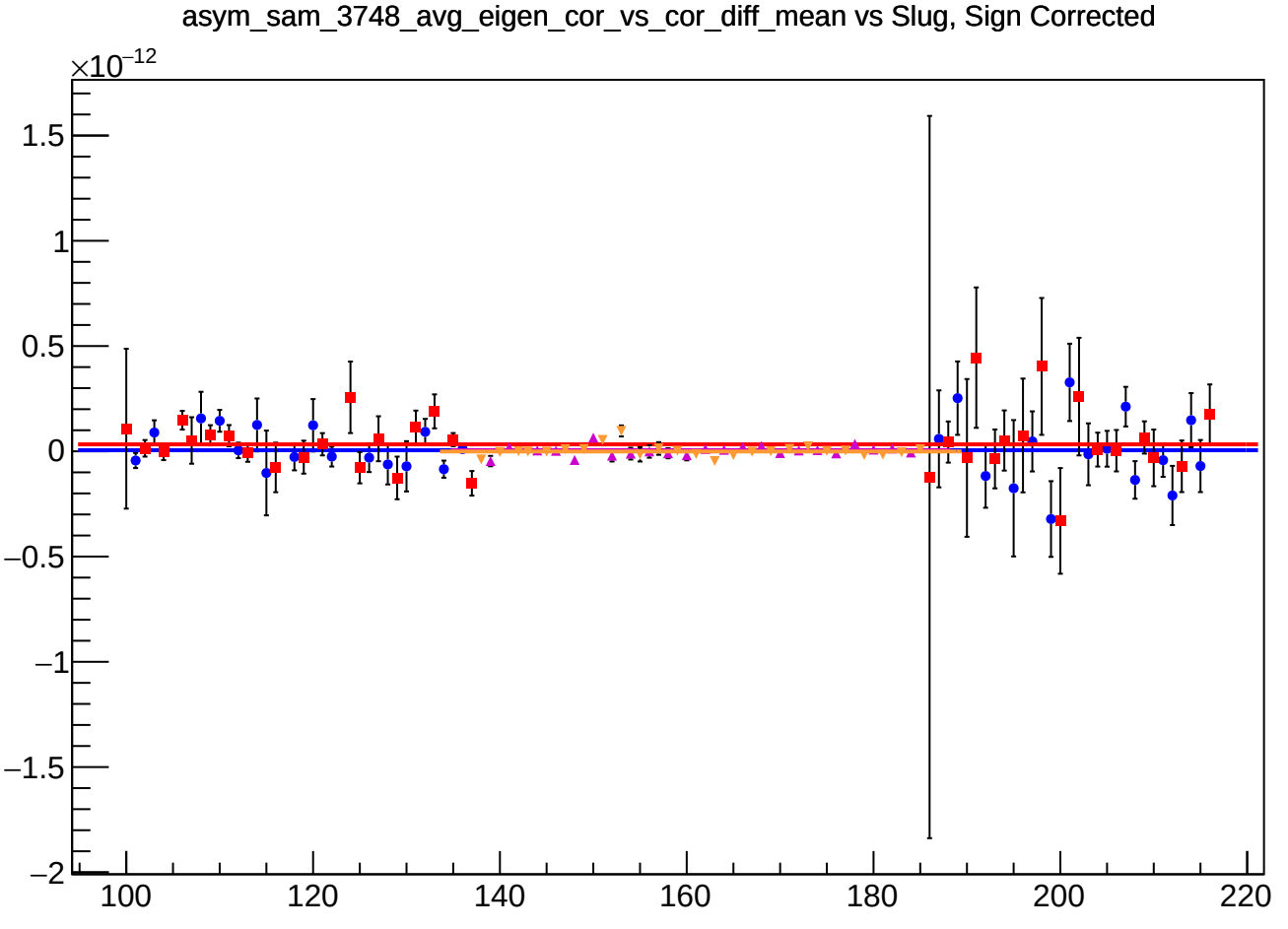
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 43.073+/-0.005 χ^2/NDF: 11160085.8/65

In: 46.017+/-0.006 χ^2/NDF:7782839.9/53

Out: 45.193+/-0.006 χ^2/NDF:11060249.1/59

All: 45.599+/-0.004 χ^2/NDF: 18853215.7/113



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: 41.7/34

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

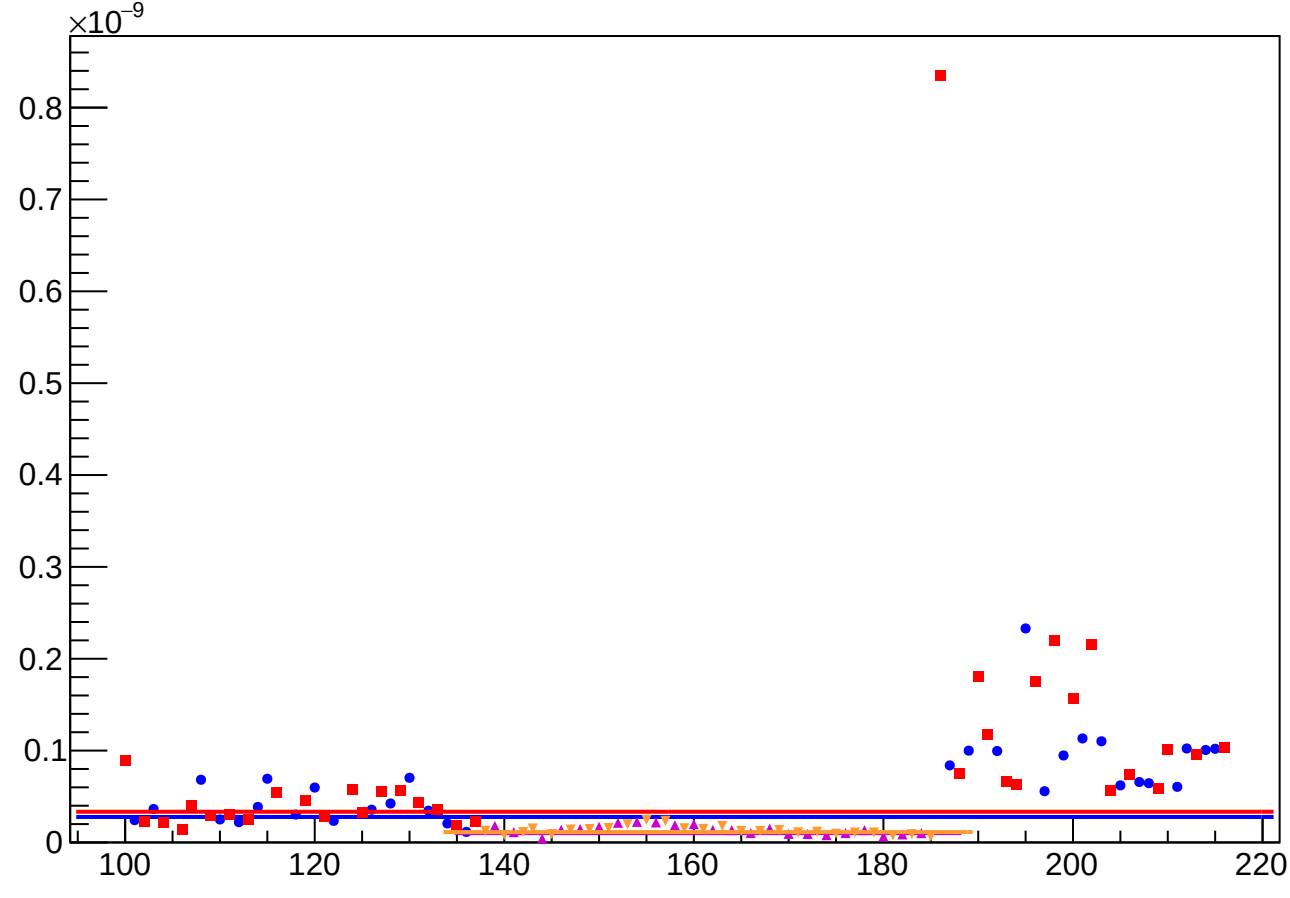
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 89.5/65

In: 0.000+/-0.000 χ^2/NDF:73.2/53

Out: 0.000+/-0.000 χ^2/NDF:85.9/59

All: 0.000+/-0.000 χ^2/NDF: 159.8/113



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: 8008848.5/34

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

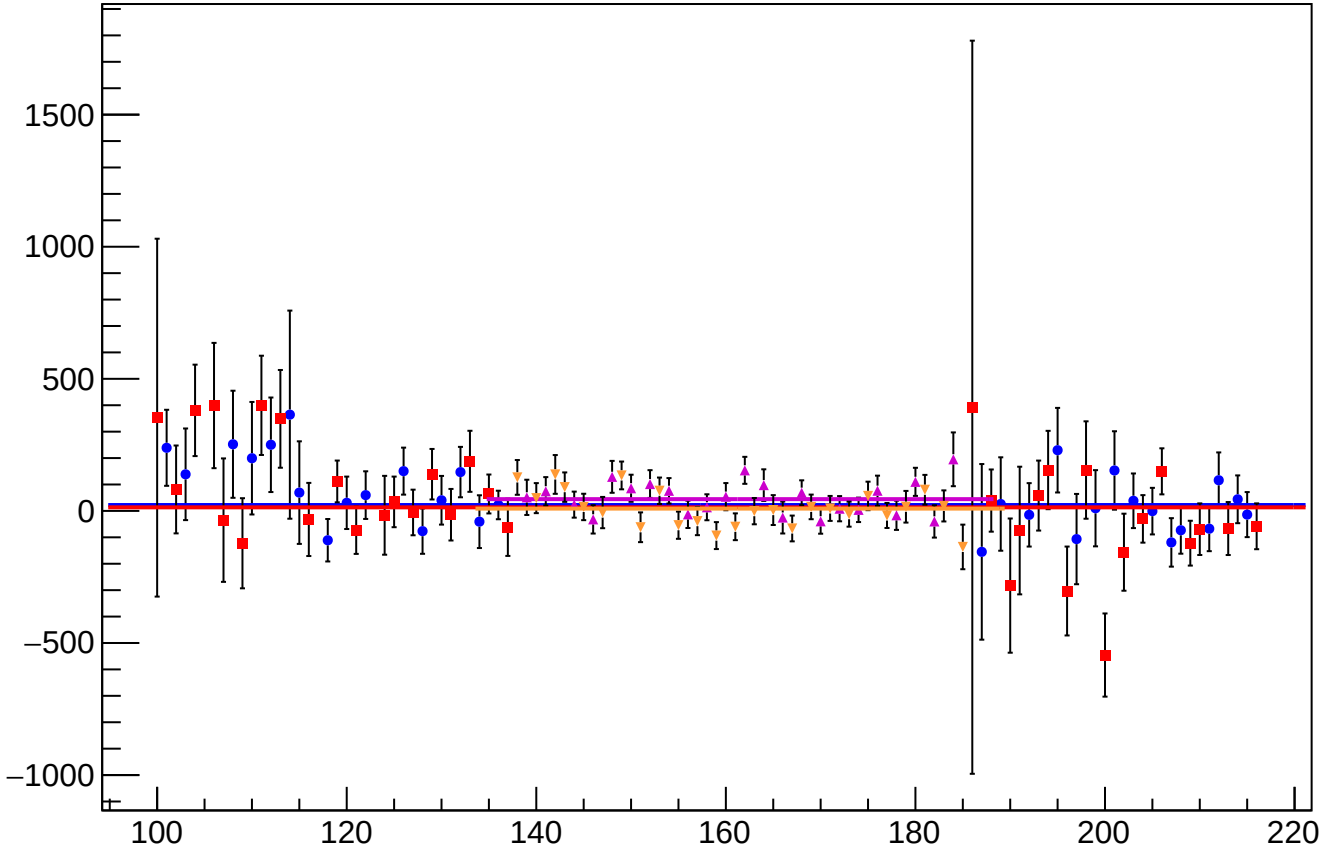
Right: 0.000+/-0.000 χ^2/NDF: 17397207.5/65

In: 0.000+/-0.000 χ^2/NDF:18084003.8/53

Out: 0.000+/-0.000 χ^2/NDF:16383263.5/59

All: 0.000+/-0.000 χ^2/NDF: 34623907.7/113

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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: 13.473+/-20.106 χ^2/NDF: 51.5/34

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

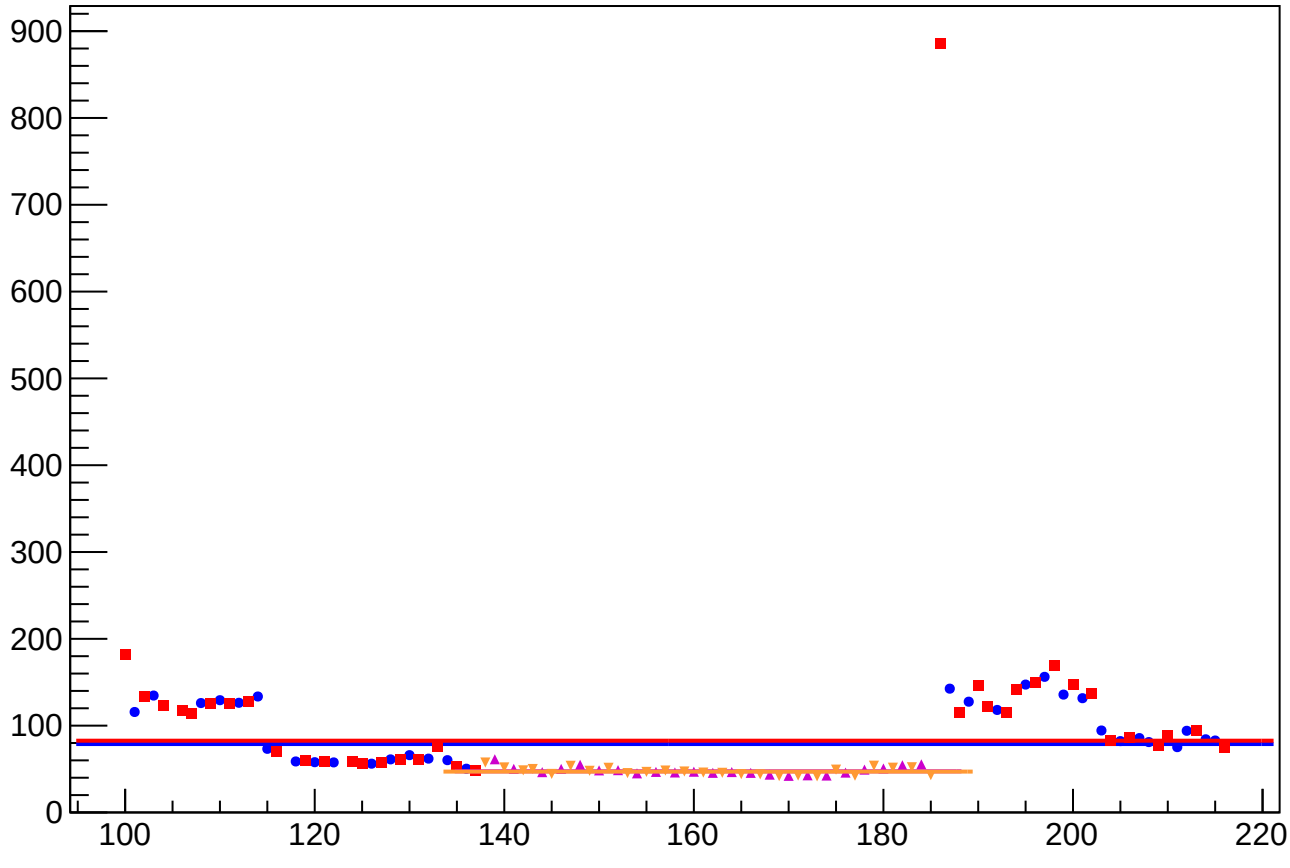
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 18.068+/-13.852 χ^2/NDF: 76.4/65

In: 38.874+/-9.630 χ^2/NDF:52.8/53

Out: 9.807+/-9.493 χ^2/NDF:86.1/59

All: 24.133+/-6.761 χ^2/NDF: 143.6/113



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: 82.663+/-0.014 χ^2/NDF: 5046964.7/34

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

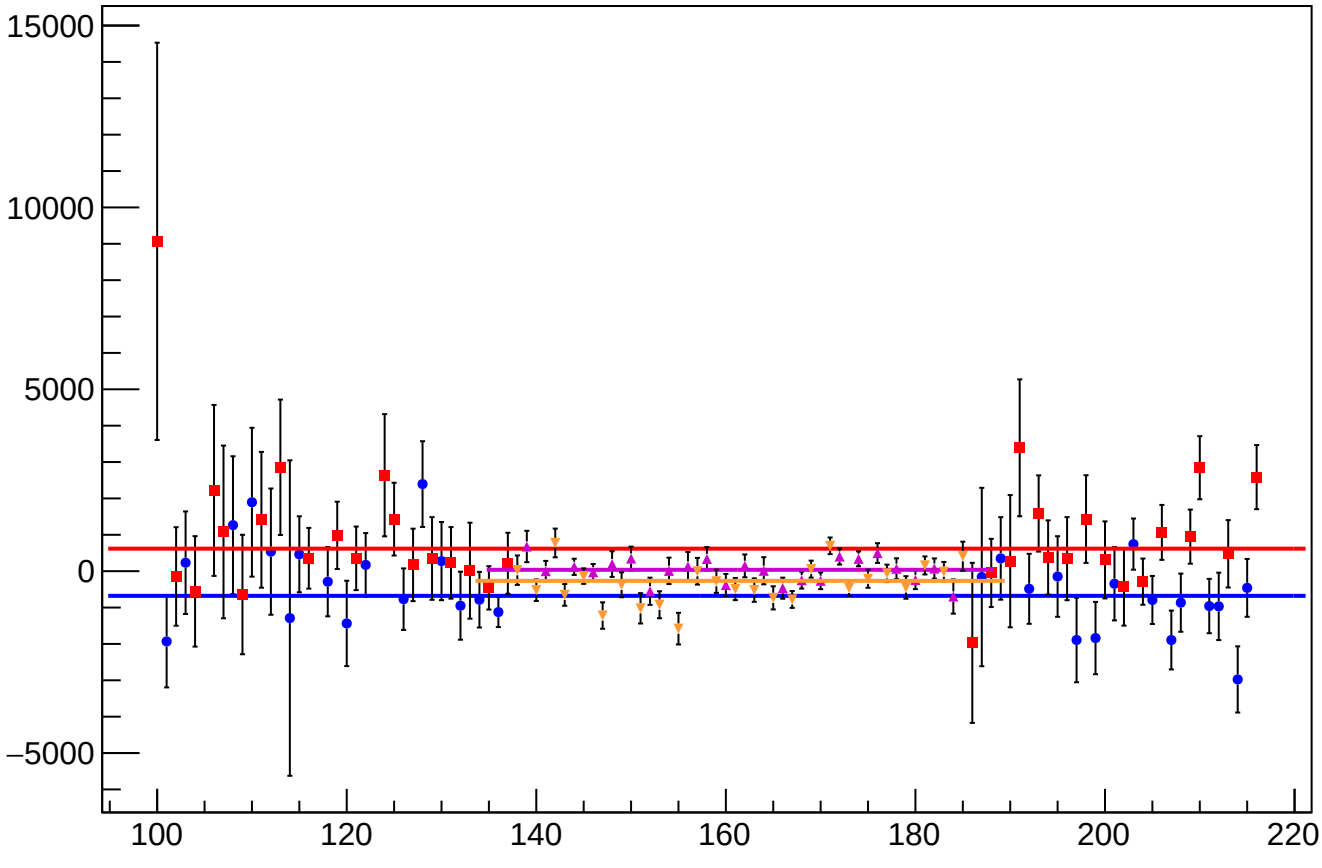
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.633+/-0.010 χ^2/NDF: 8988423.9/65

In: 55.360+/-0.007 χ^2/NDF:8206057.6/53

Out: 55.001+/-0.007 χ^2/NDF:10206534.3/59

All: 55.178+/-0.005 χ^2/NDF: 18414005.7/113



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: 618.607+/-176.603 χ^2/NDF: 33.4/34

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

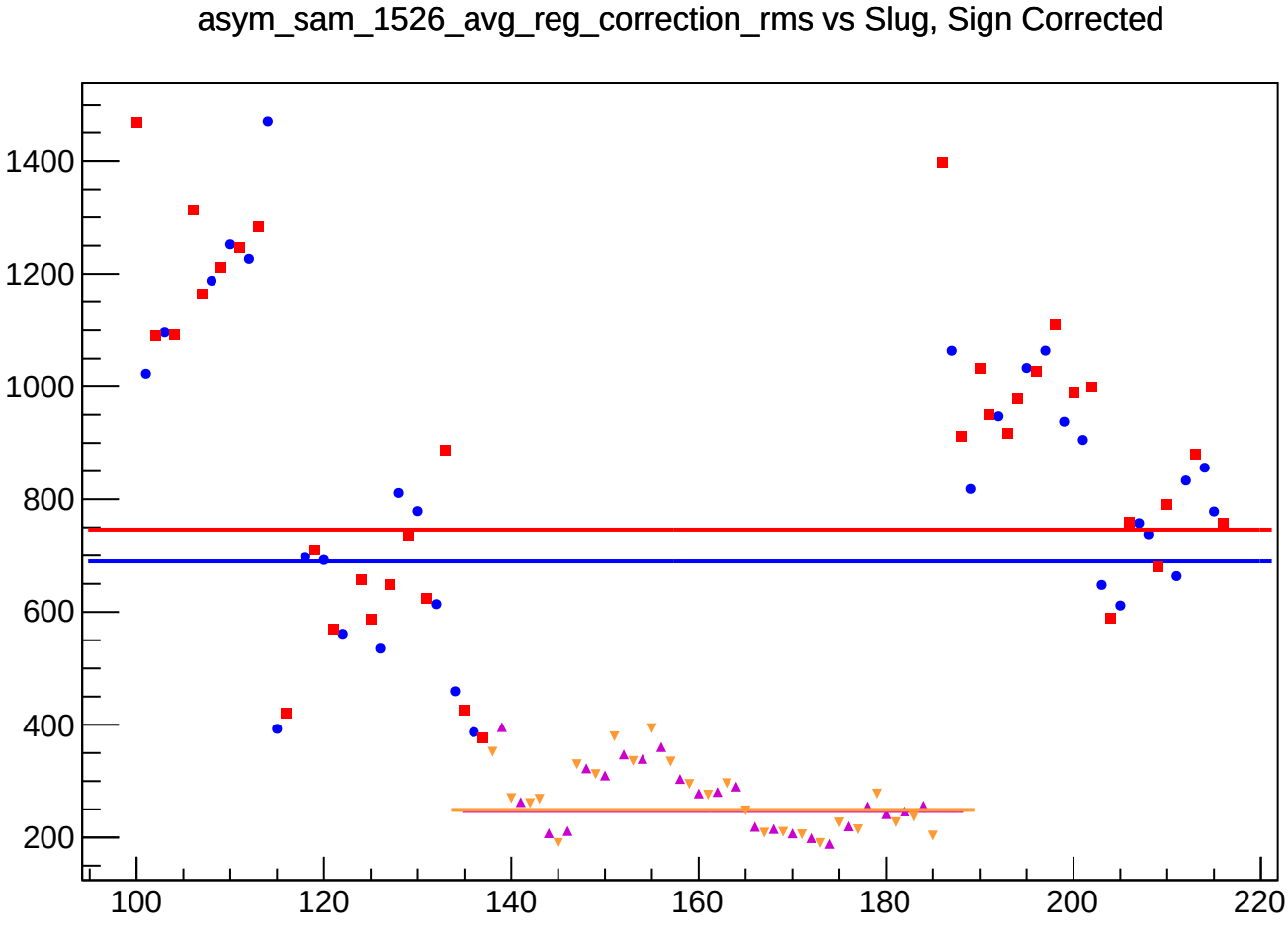
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -72.067+/-120.727 χ^2/NDF: 95.0/65

In: -43.614+/-55.704 χ^2/NDF:76.2/53

Out: -179.506+/-55.131 χ^2/NDF:125.8/59

All: -112.263+/-39.185 χ^2/NDF: 205.0/113



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: 746.076+/-0.125 χ^2/NDF: 3576763.0/34

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

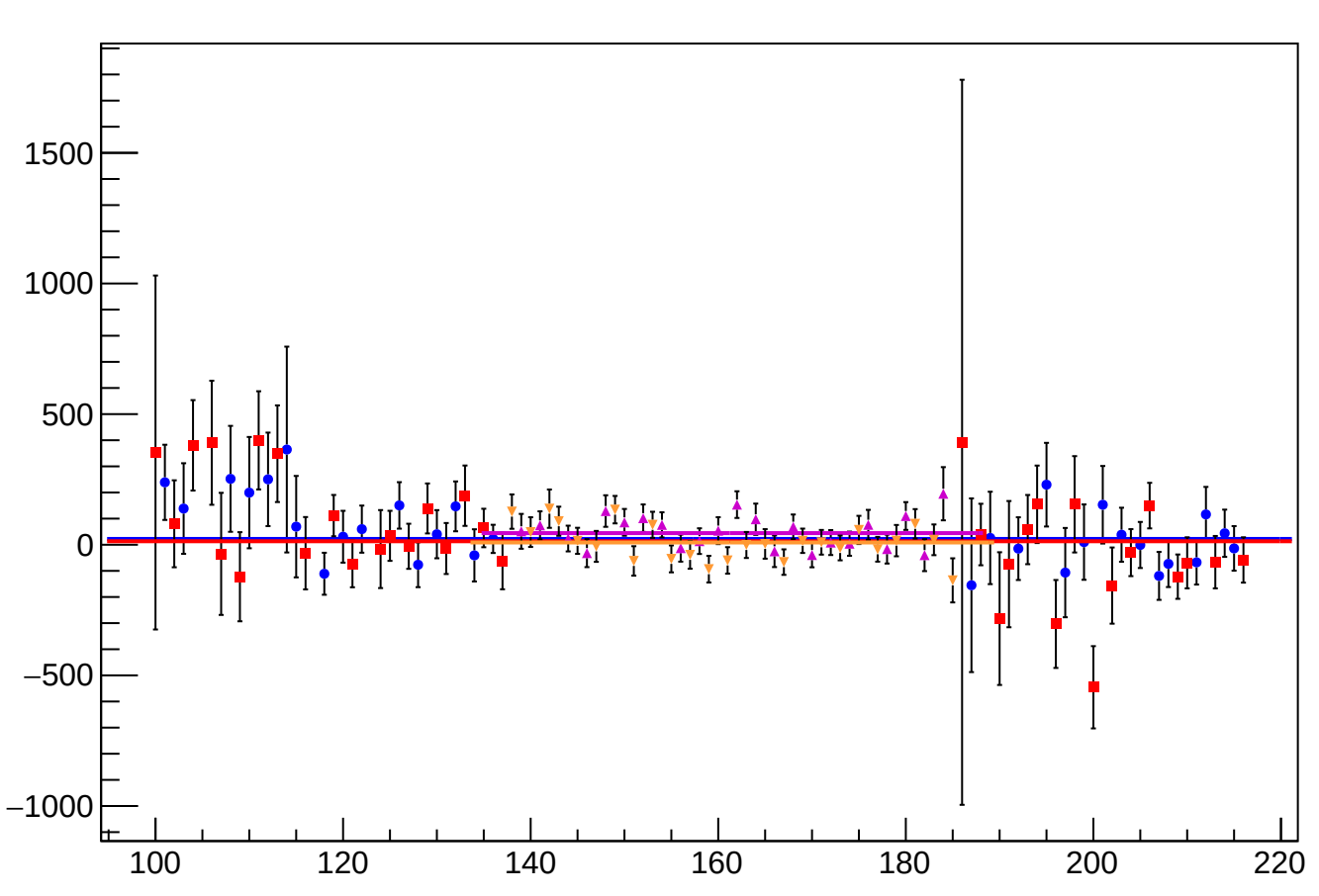
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 716.092+/-0.085 χ^2/NDF: 7147106.8/65

In: 297.311+/-0.039 χ^2/NDF:17646160.6/53

Out: 297.343+/-0.039 χ^2/NDF:19547193.1/59

All: 297.327+/-0.028 χ^2/NDF: 37193354.0/11



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: 13.389+/-20.106 χ^2/NDF: 51.4/34

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

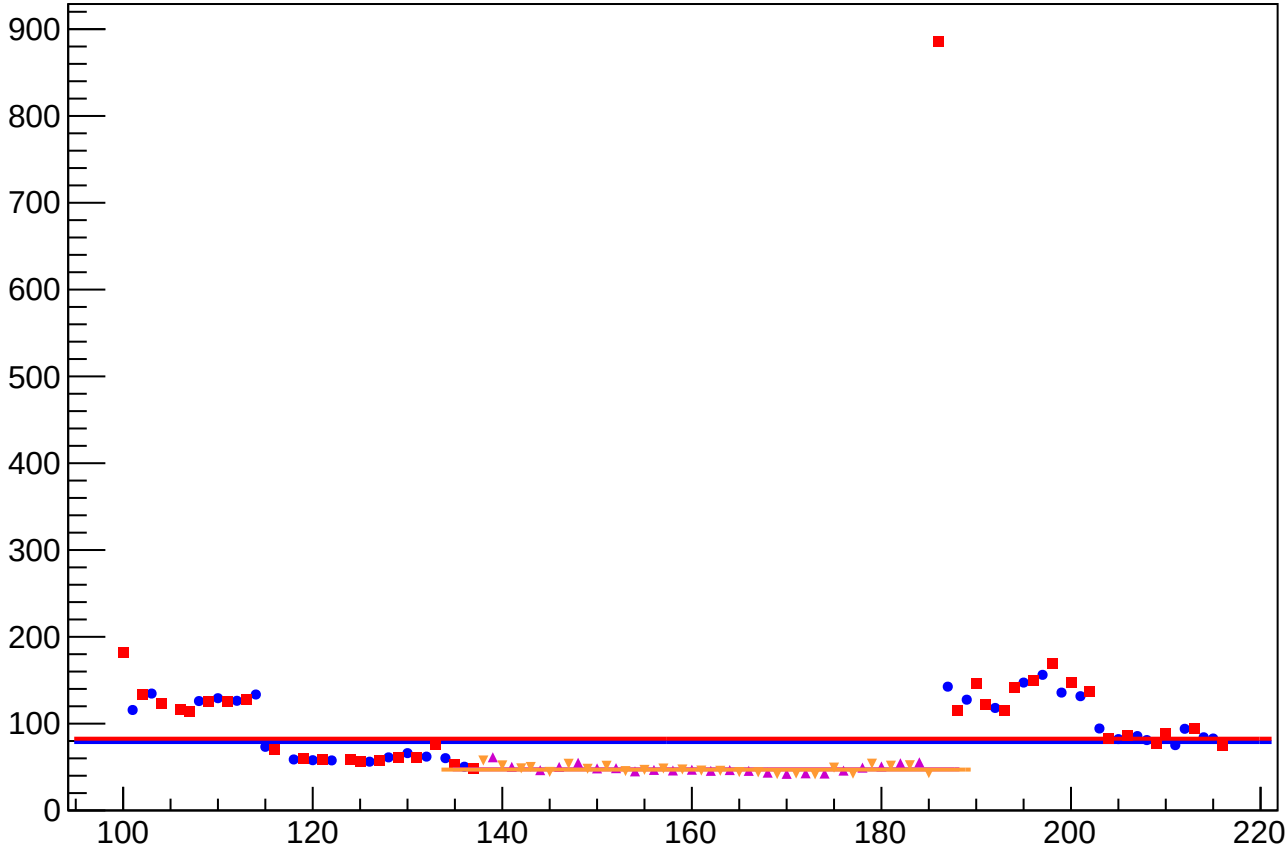
Right: 18.025+/-13.852 χ^2/NDF: 76.3/65

In: 38.871+/-9.630 χ^2/NDF:52.8/53

Out: 9.790+/-9.493 χ^2/NDF:86.0/59

All: 24.123+/-6.761 χ^2/NDF: 143.5/113

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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: 82.655+/-0.014 χ^2/NDF: 5044708.3/34

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

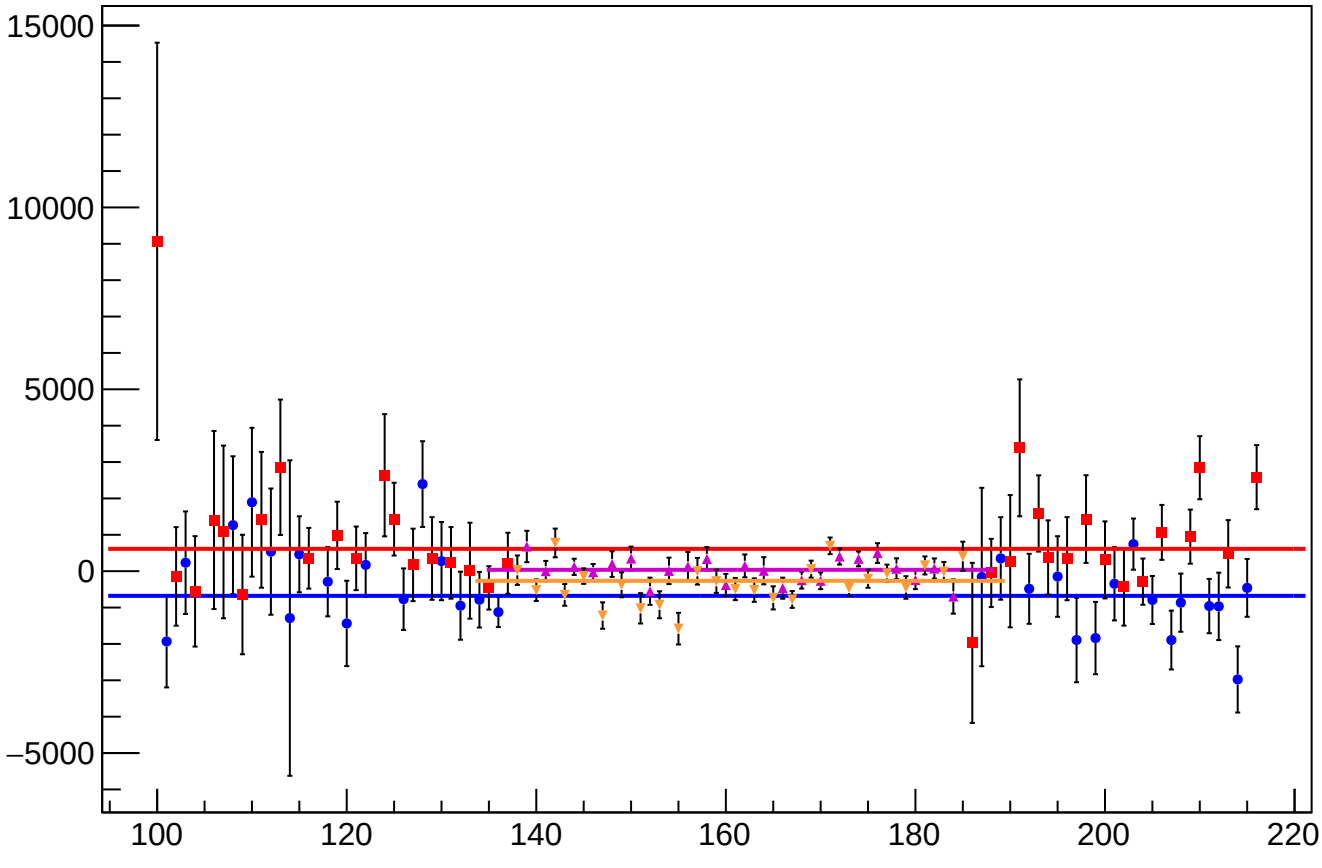
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.629+/-0.010 χ^2/NDF: 8986016.5/65

In: 55.360+/-0.007 χ^2/NDF:8206059.7/53

Out: 54.999+/-0.007 χ^2/NDF:10202074.0/59

All: 55.177+/-0.005 χ^2/NDF: 18409562.4/113



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: 613.717+/-176.644 χ^2/NDF: 33.0/34

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

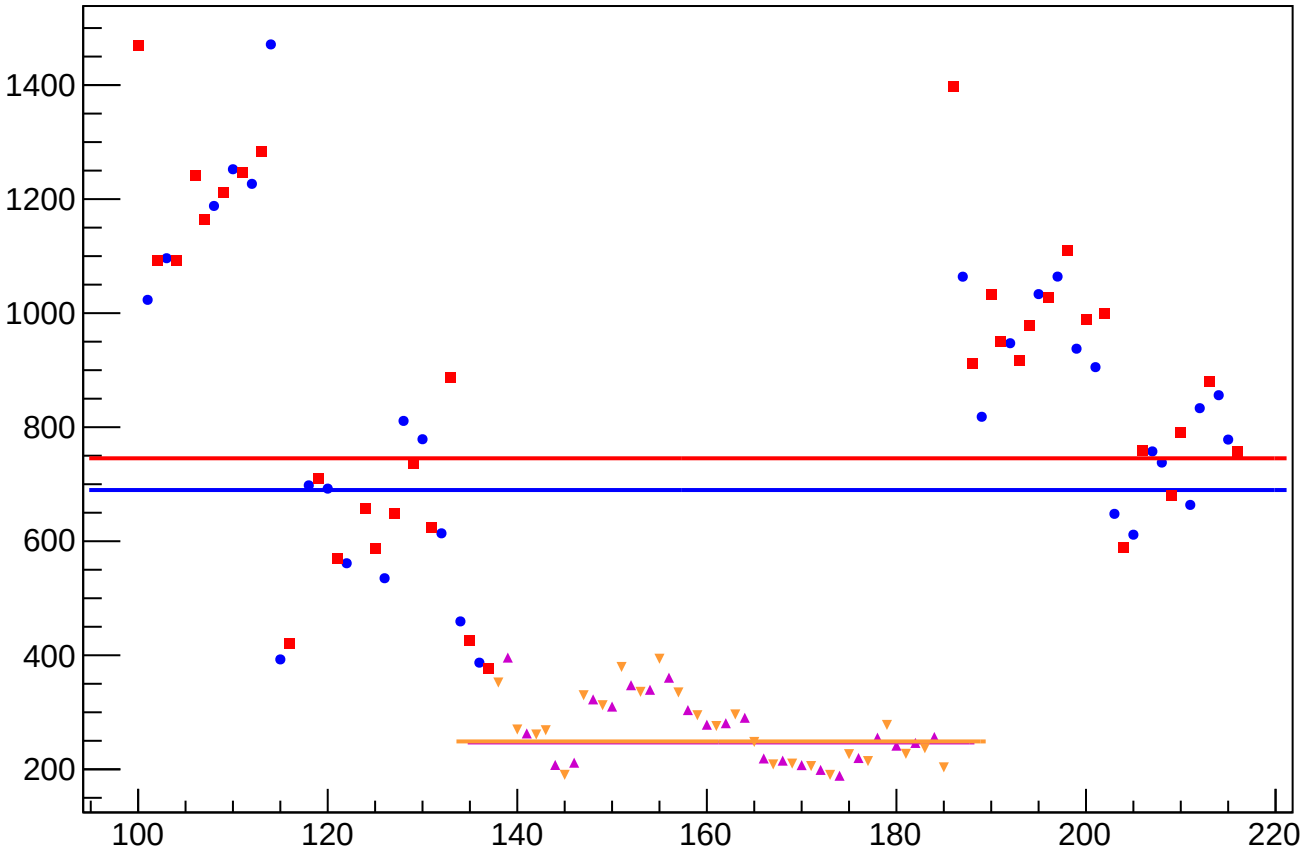
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -74.499+/-120.740 χ^2/NDF: 94.5/65

In: -43.616+/-55.704 χ^2/NDF:76.2/53

Out: -180.016+/-55.132 χ^2/NDF:125.2/59

All: -112.520+/-39.185 χ^2/NDF: 204.4/113



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: 745.454+/-0.125 χ^2/NDF: 3542470.3/34

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

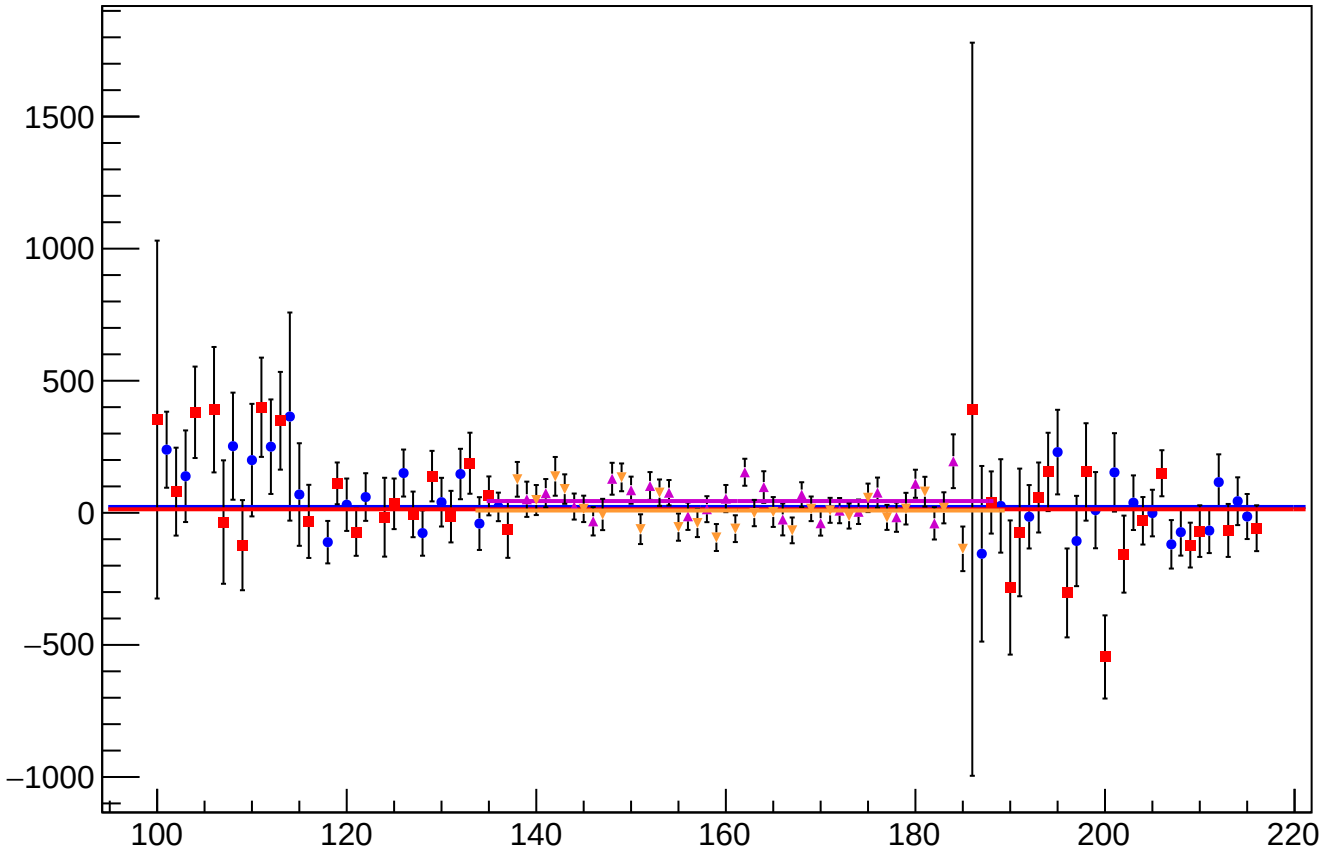
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 715.795+/-0.085 χ^2/NDF: 7110450.2/65

In: 297.311+/-0.039 χ^2/NDF:17646172.8/53

Out: 297.262+/-0.039 χ^2/NDF:19471130.1/59

All: 297.286+/-0.028 χ^2/NDF: 37117303.7/11



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: 13.389+/-20.106 χ^2/NDF: 51.4/34

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

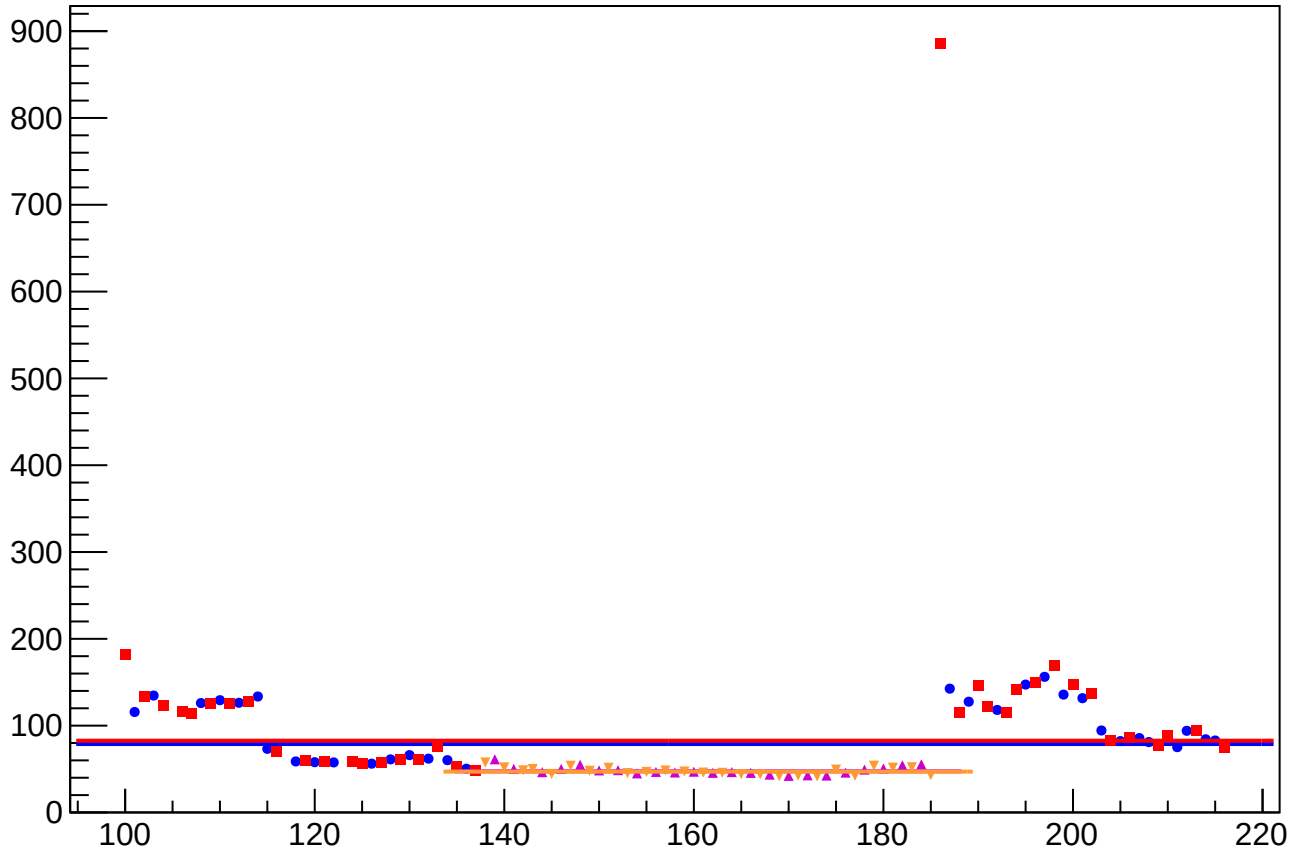
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 18.025+/-13.852 χ^2/NDF: 76.3/65

In: 38.871+/-9.630 χ^2/NDF:52.8/53

Out: 9.790+/-9.493 χ^2/NDF:86.0/59

All: 24.123+/-6.761 χ^2/NDF: 143.5/113



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: 82.655+/-0.014 χ^2/NDF: 5044708.3/34

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

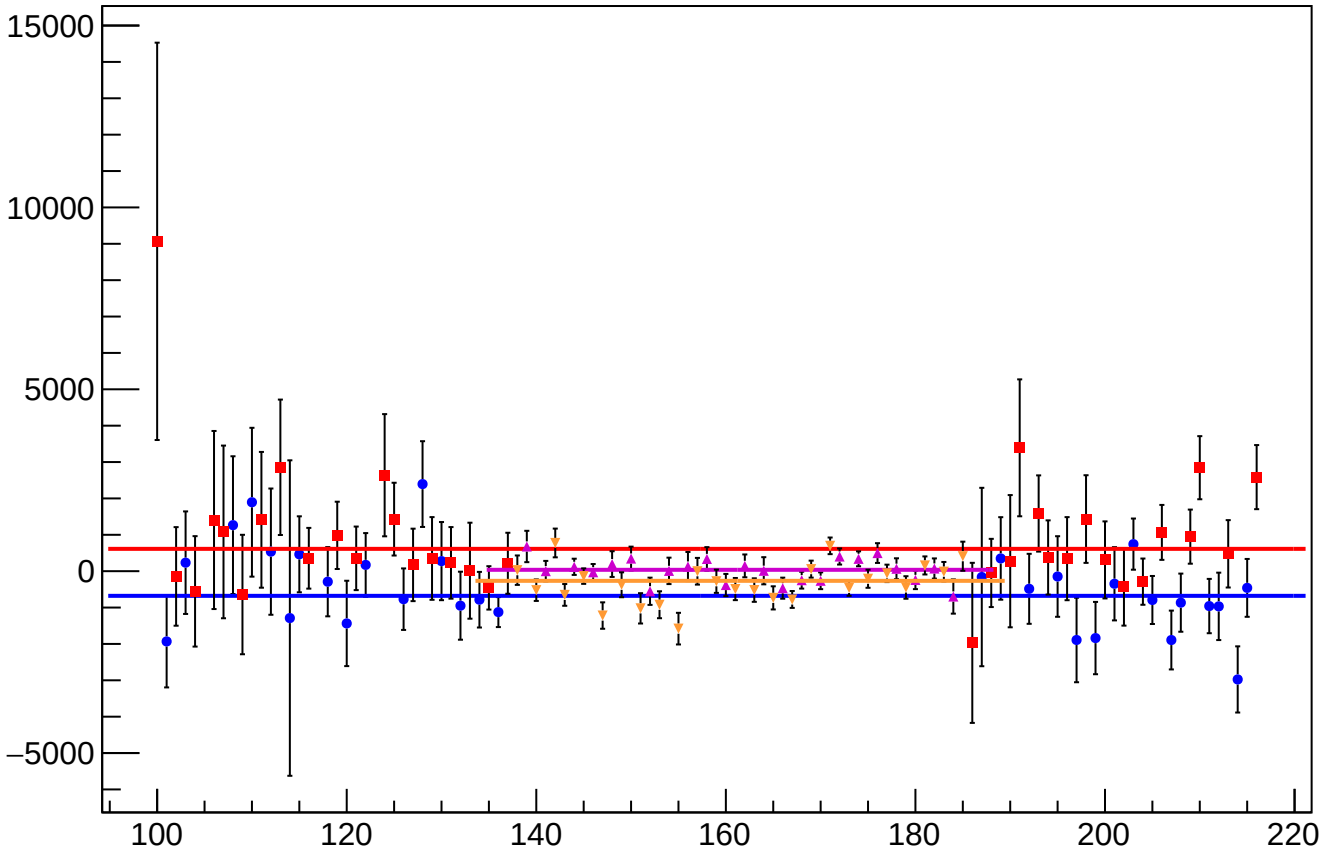
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

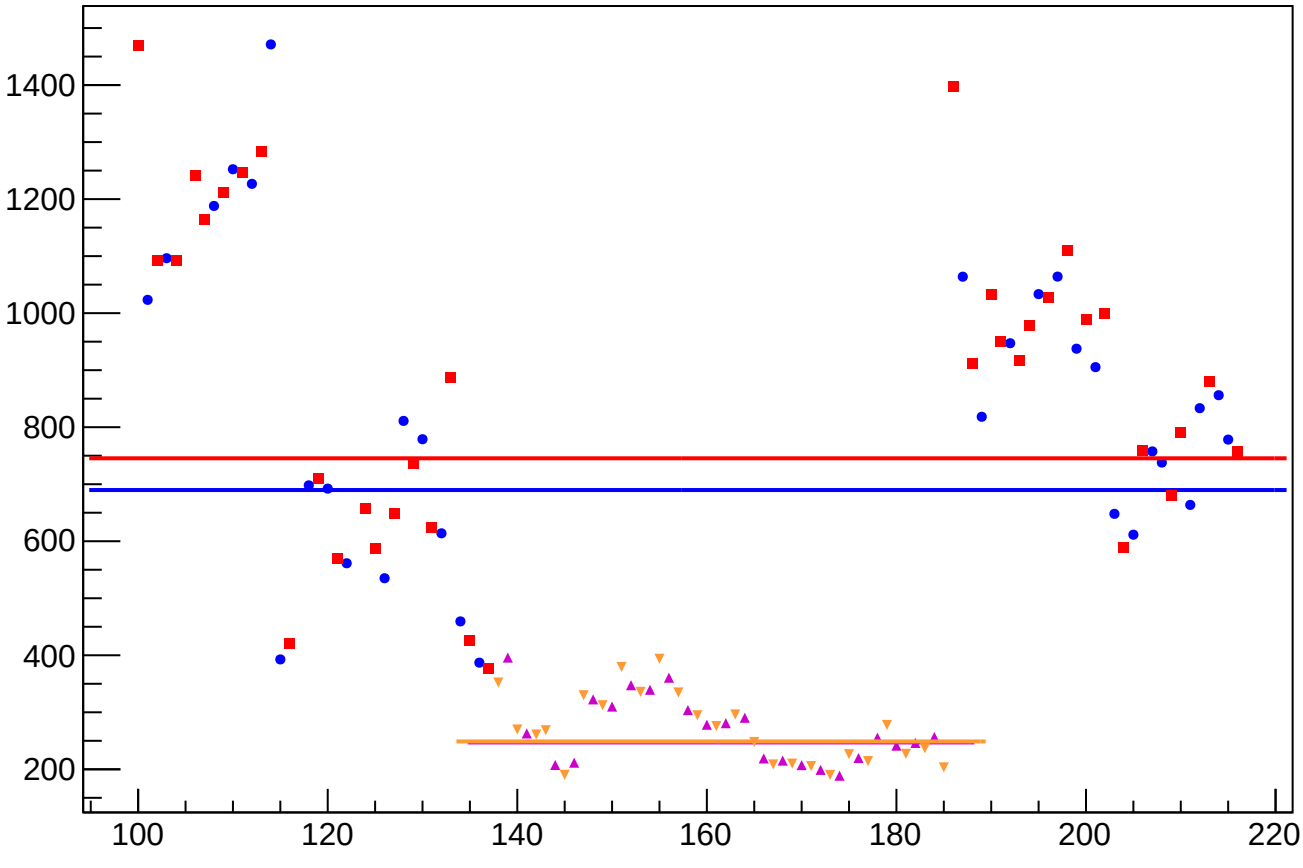
Right: 80.629+/-0.010 χ^2/NDF: 8986016.5/65

In: 55.360+/-0.007 χ^2/NDF:8206059.7/53

Out: 54.999+/-0.007 χ^2/NDF:10202074.0/59

All: 55.177+/-0.005 χ^2/NDF: 18409562.4/113


asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
220
Right In: -677.989+/-165.414 χ²/NDF: 33.0/30
Left Out: -265.680+/-58.031 χ²/NDF:69.8/24
Right Out: 613.717+/-176.644 χ²/NDF: 33.0/34
Left In: 37.527+/-59.159 χ²/NDF:26.6/22
Left: -116.996+/-41.427 χ²/NDF: 109.8/47
Right: -74.499+/-120.740 χ²/NDF: 94.5/65
In: -43.616+/-55.704 χ²/NDF:76.2/53
Out: -180.016+/-55.132 χ²/NDF:125.2/59
All: -112.520+/-39.185 χ²/NDF: 204.4/113



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: 745.454+/-0.125 χ^2/NDF: 3542470.3/34

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

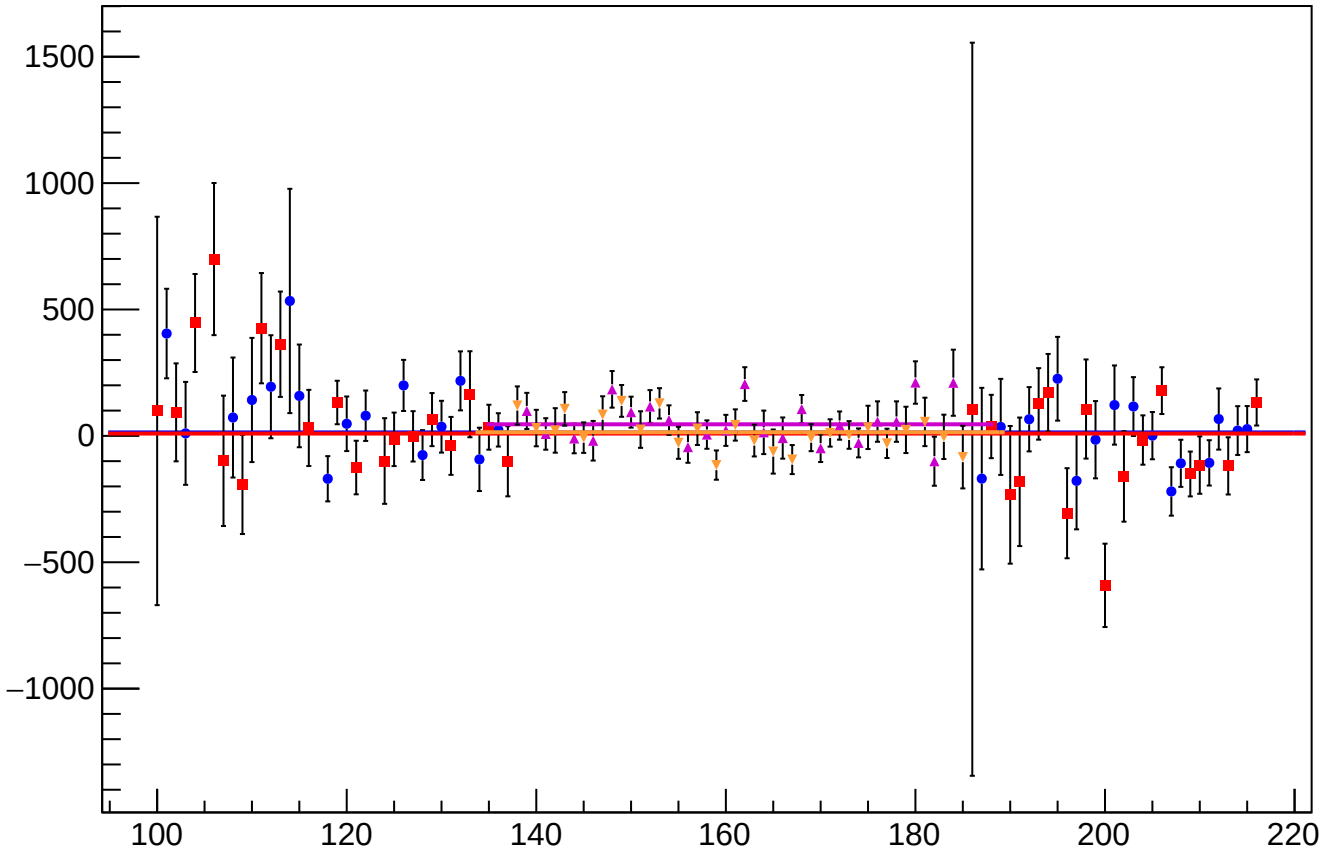
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 715.795+/-0.085 χ^2/NDF: 7110450.2/65

In: 297.311+/-0.039 χ^2/NDF:17646172.8/53

Out: 297.262+/-0.039 χ^2/NDF:19471130.1/59

All: 297.286+/-0.028 χ^2/NDF: 37117303.7/11



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: 9.160+/-22.589 χ^2/NDF: 56.2/34

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

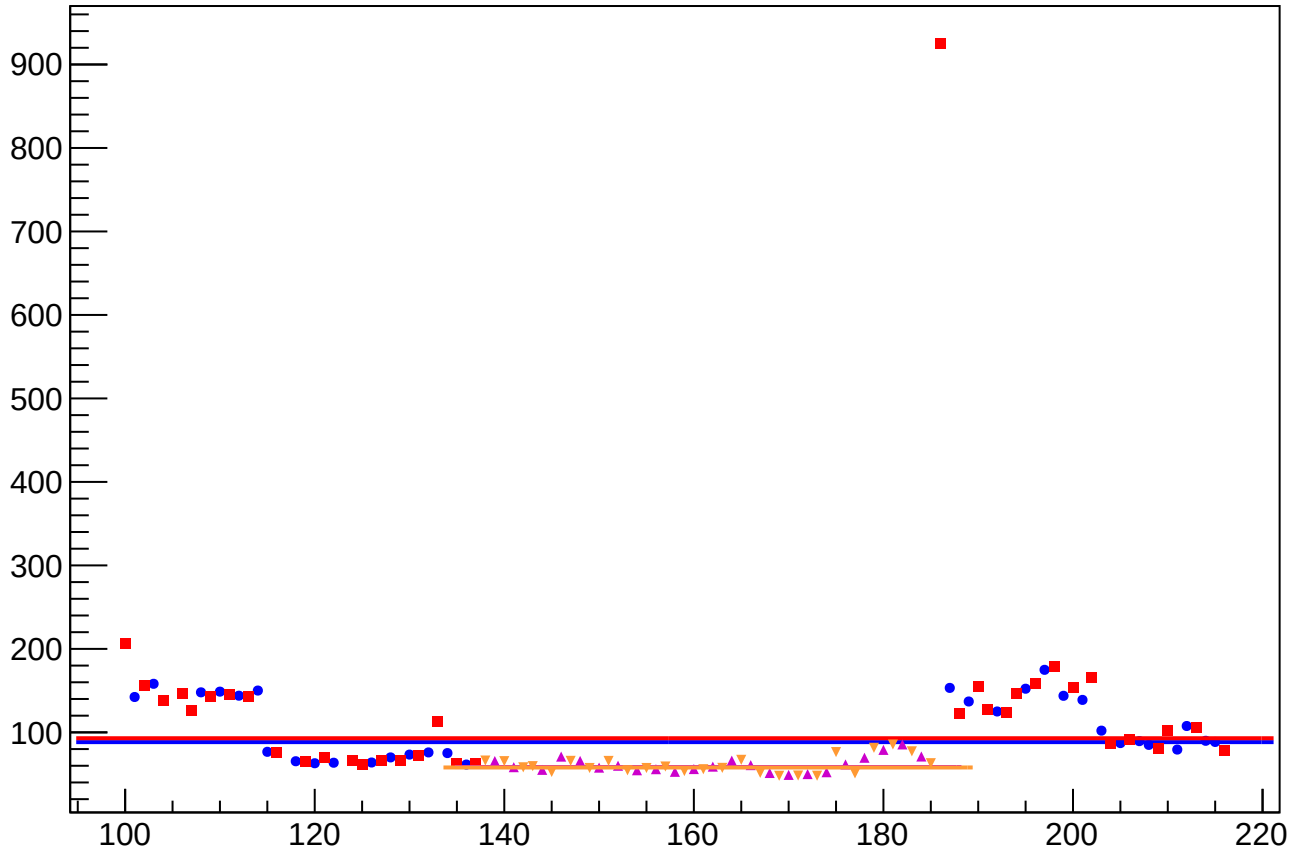
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 11.549+/-15.514 χ^2/NDF: 90.9/65

In: 36.209+/-11.666 χ^2/NDF:67.1/53

Out: 13.100+/-11.559 χ^2/NDF:80.8/59

All: 24.548+/-8.211 χ^2/NDF: 149.8/113



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: 92.974+/-0.016 χ^2/NDF: 4692478.3/34

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

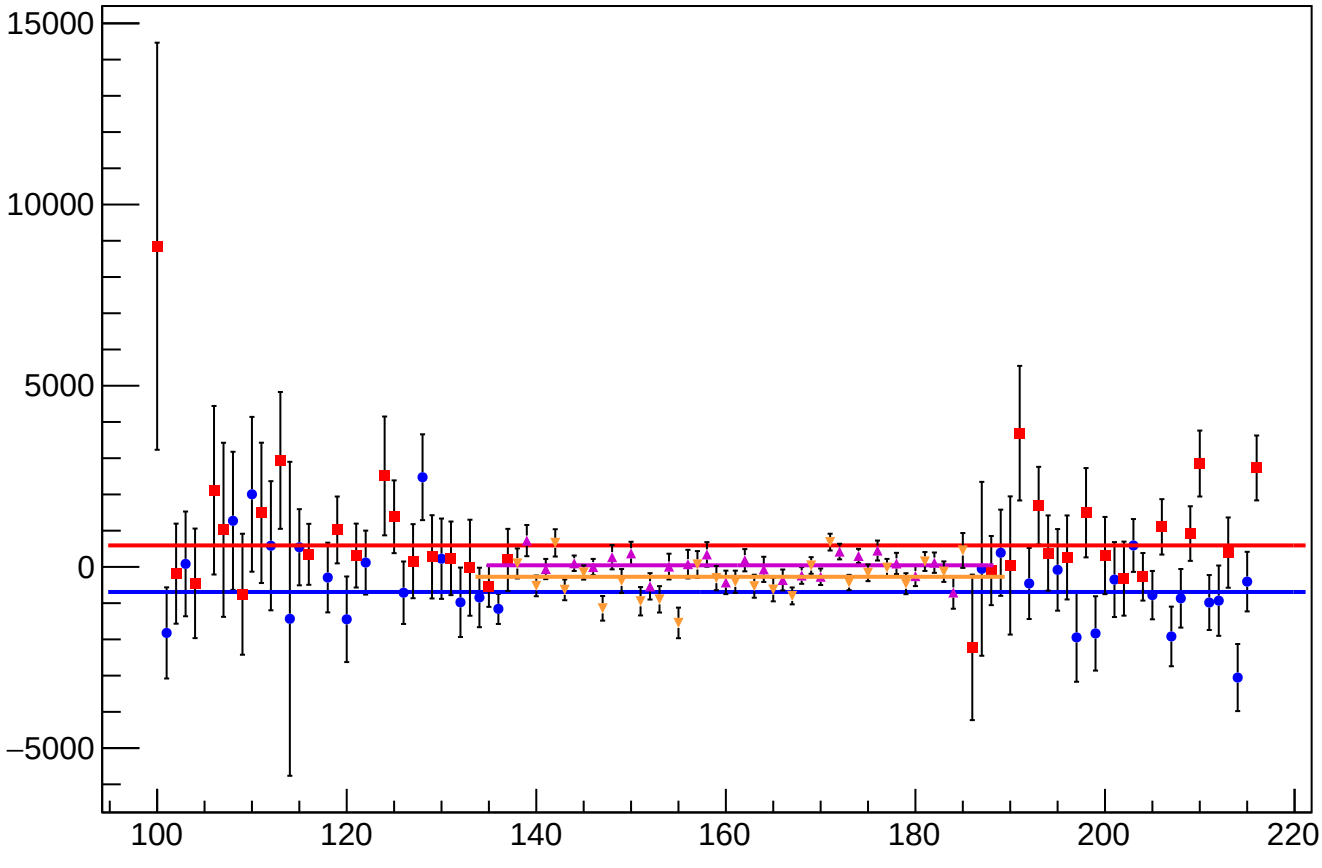
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 90.514+/-0.011 χ^2/NDF: 8210915.0/65

In: 67.393+/-0.008 χ^2/NDF:6864264.3/53

Out: 67.133+/-0.008 χ^2/NDF:9135471.3/59

All: 67.262+/-0.006 χ^2/NDF: 16000237.7/113



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: 593.383+/-178.322 χ^2/NDF: 35.1/34

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

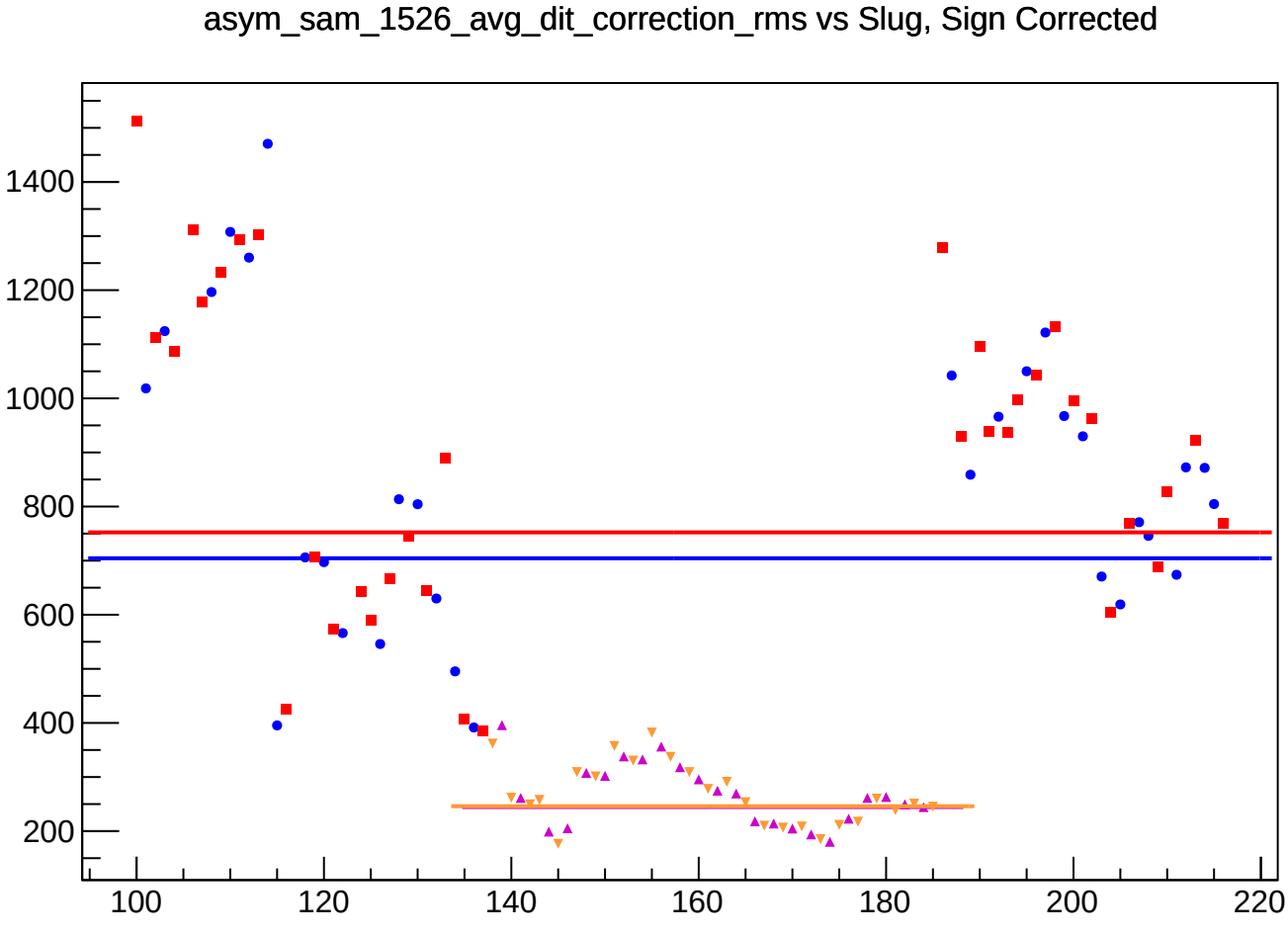
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -83.630+/-122.661 χ^2/NDF: 94.7/65

In: -34.504+/-55.378 χ^2/NDF:75.6/53

Out: -191.542+/-54.530 χ^2/NDF:122.3/59

All: -114.233+/-38.855 χ^2/NDF: 202.0/113



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: 752.252+/-0.126 χ^2/NDF: 3708121.0/34

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

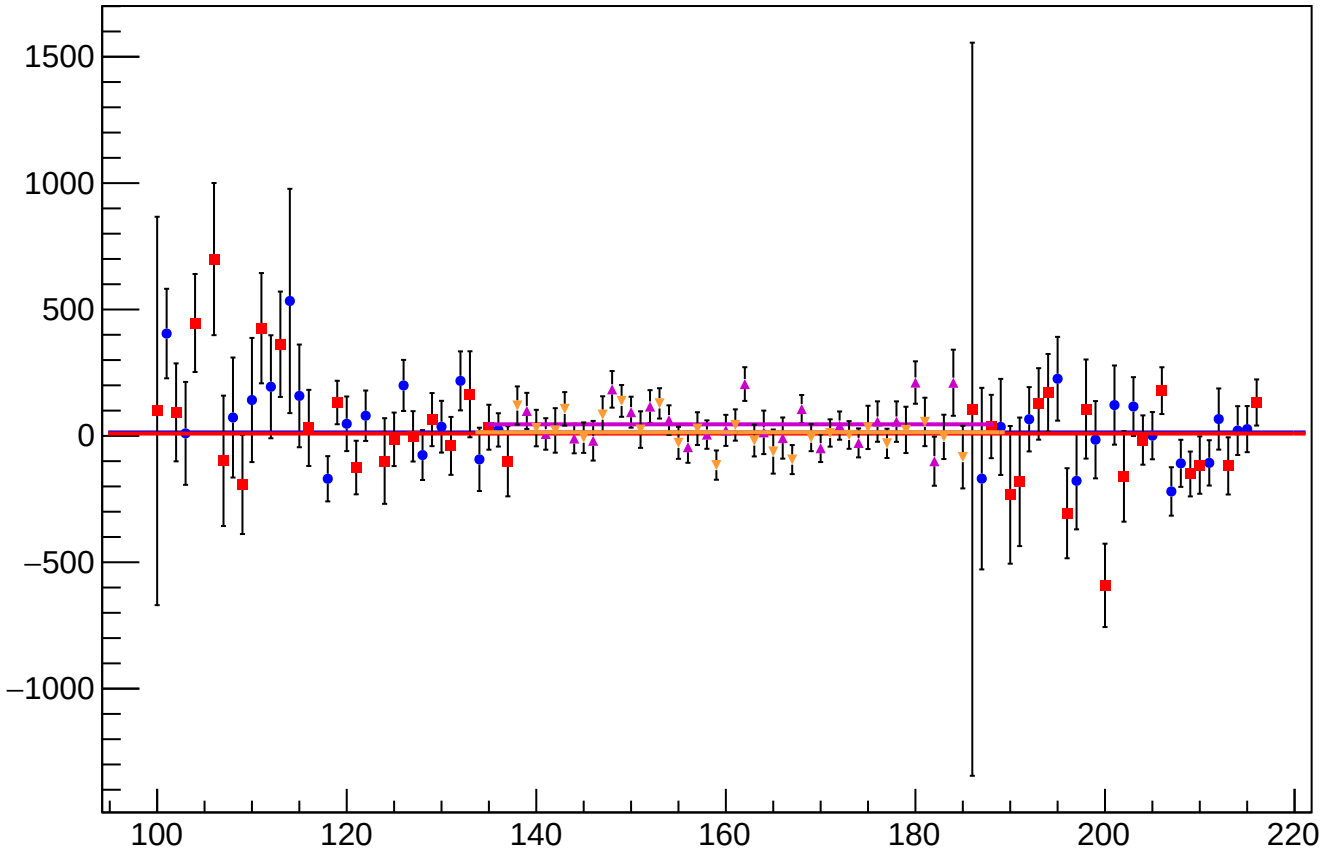
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 727.047+/-0.087 χ^2/NDF: 7296643.1/65

In: 293.842+/-0.039 χ^2/NDF:18334922.9/53

Out: 293.356+/-0.039 χ^2/NDF:19999942.4/59

All: 293.595+/-0.027 χ^2/NDF: 38334943.7/11



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: 9.159+/-22.589 χ^2/NDF: 56.2/34

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

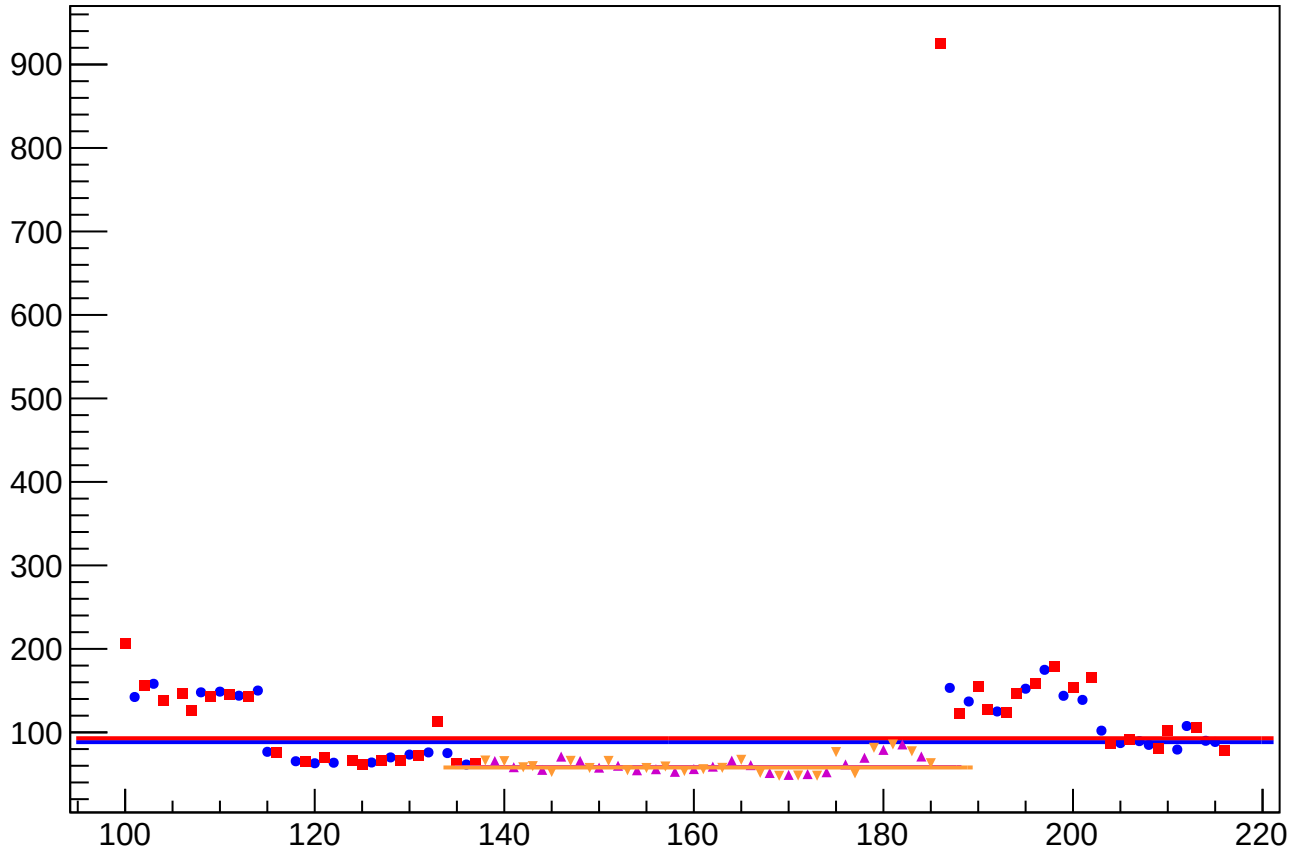
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 11.550+/-15.514 χ^2/NDF: 90.9/65

In: 36.209+/-11.666 χ^2/NDF:67.1/53

Out: 13.100+/-11.559 χ^2/NDF:80.8/59

All: 24.548+/-8.211 χ^2/NDF: 149.8/113



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: 92.974+/-0.016 χ^2/NDF: 4692488.3/34

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

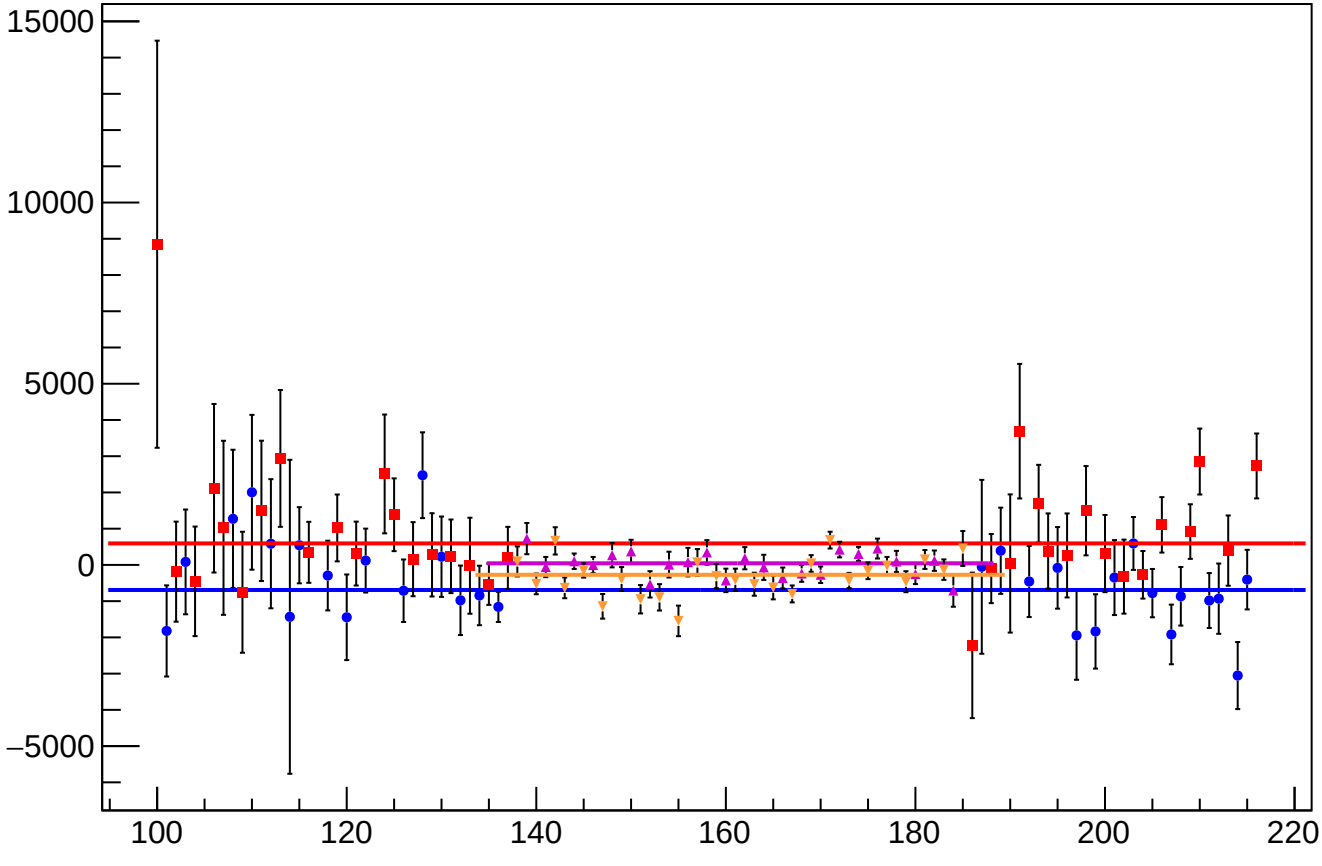
Right: 90.513+/-0.011 χ^2/NDF: 8210930.1/65

In: 67.393+/-0.008 χ^2/NDF:6864189.3/53

Out: 67.133+/-0.008 χ^2/NDF:9135429.7/59

All: 67.262+/-0.006 χ^2/NDF: 16000121.3/113

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: 593.382+/-178.322 χ^2/NDF: 35.1/34

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

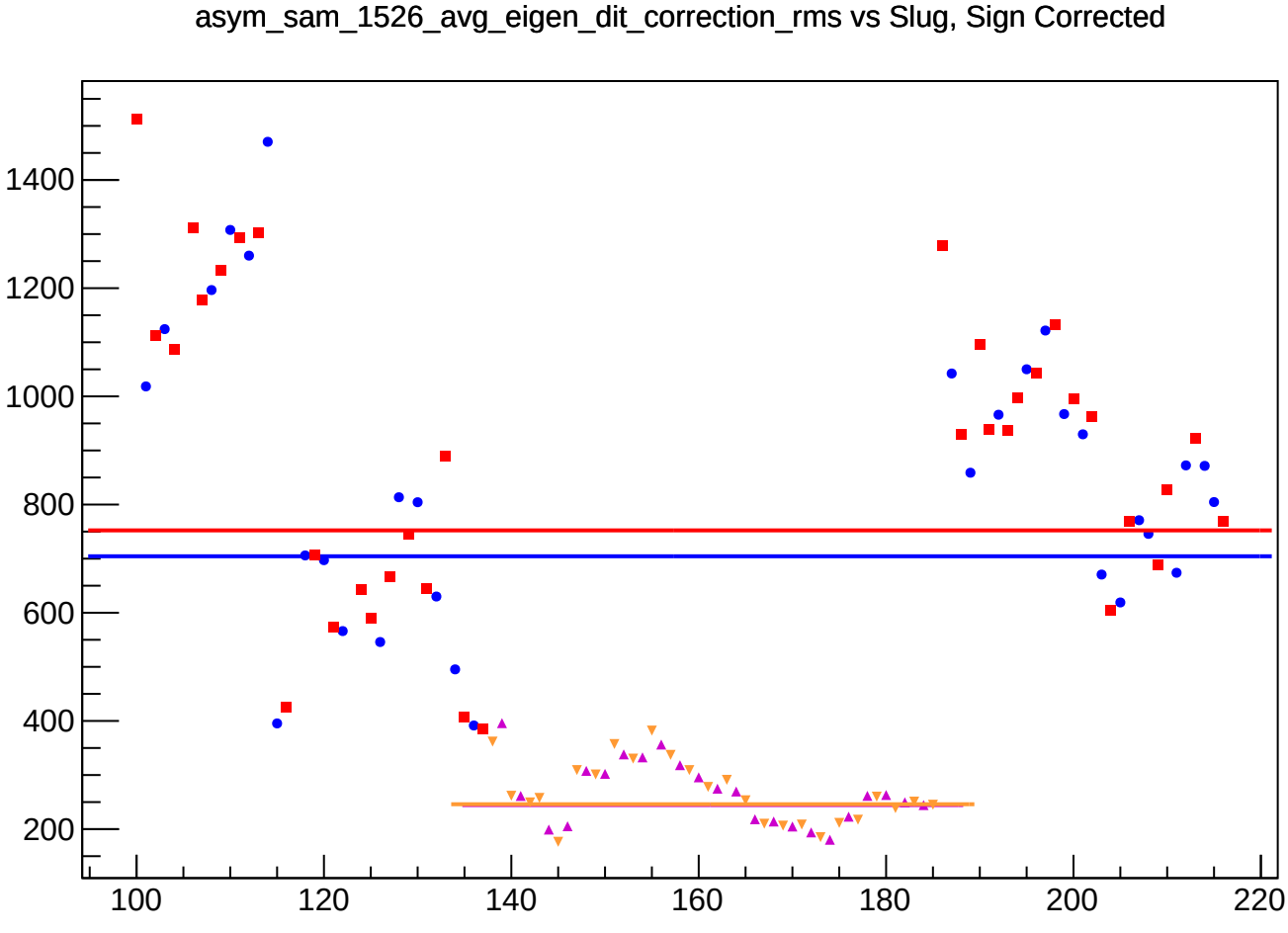
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -83.629+/-122.661 χ^2/NDF: 94.7/65

In: -34.504+/-55.378 χ^2/NDF:75.6/53

Out: -191.541+/-54.530 χ^2/NDF:122.3/59

All: -114.233+/-38.855 χ^2/NDF: 202.0/113



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: 752.252+/-0.126 χ^2/NDF: 3708100.7/34

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

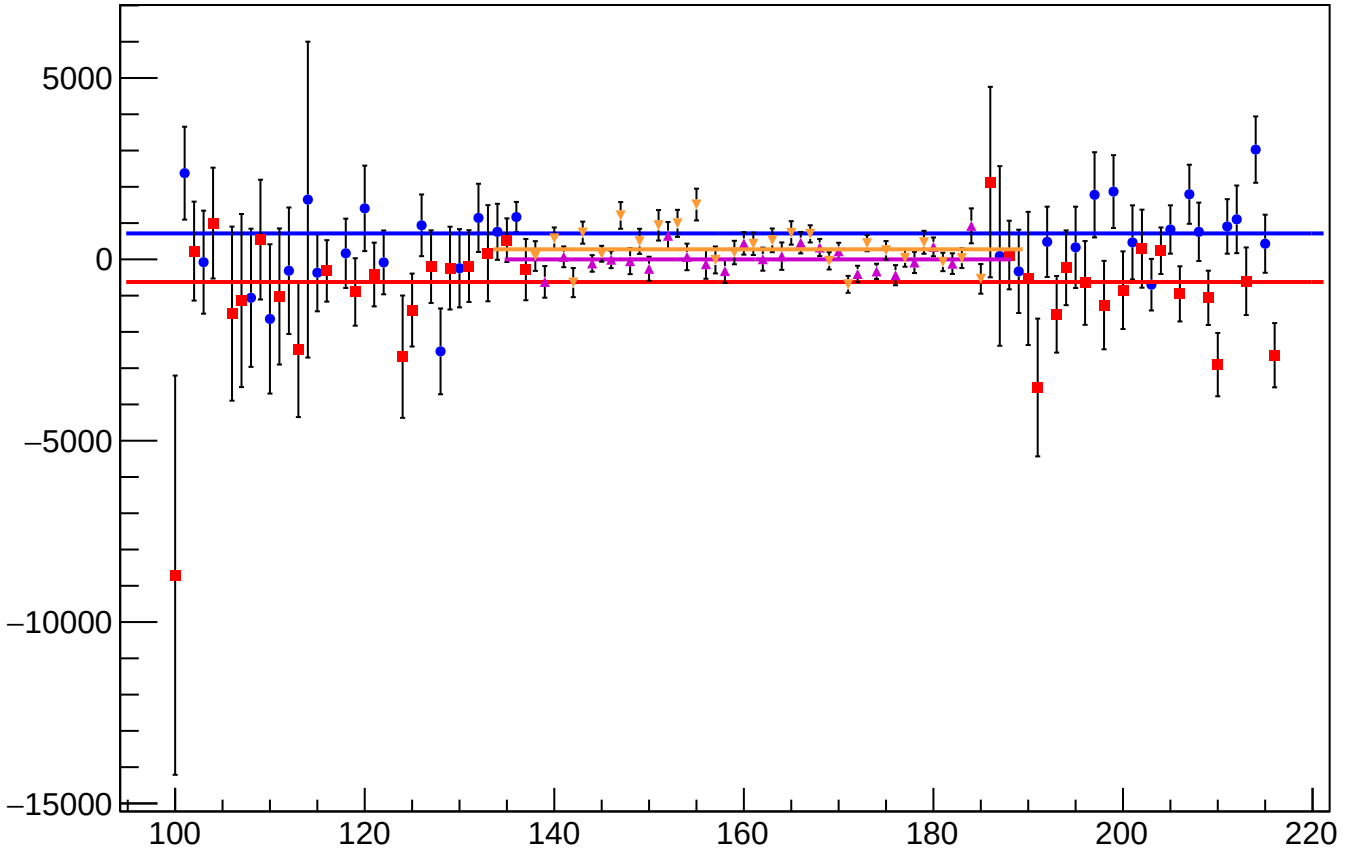
Right: 727.047+/-0.087 χ^2/NDF: 7296607.1/65

In: 293.842+/-0.039 χ^2/NDF:18334911.7/53

Out: 293.355+/-0.039 χ^2/NDF:19999956.6/59

All: 293.595+/-0.027 χ^2/NDF: 38334946.7/11

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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: -624.435+/-178.168 χ^2/NDF: 32.7/34

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

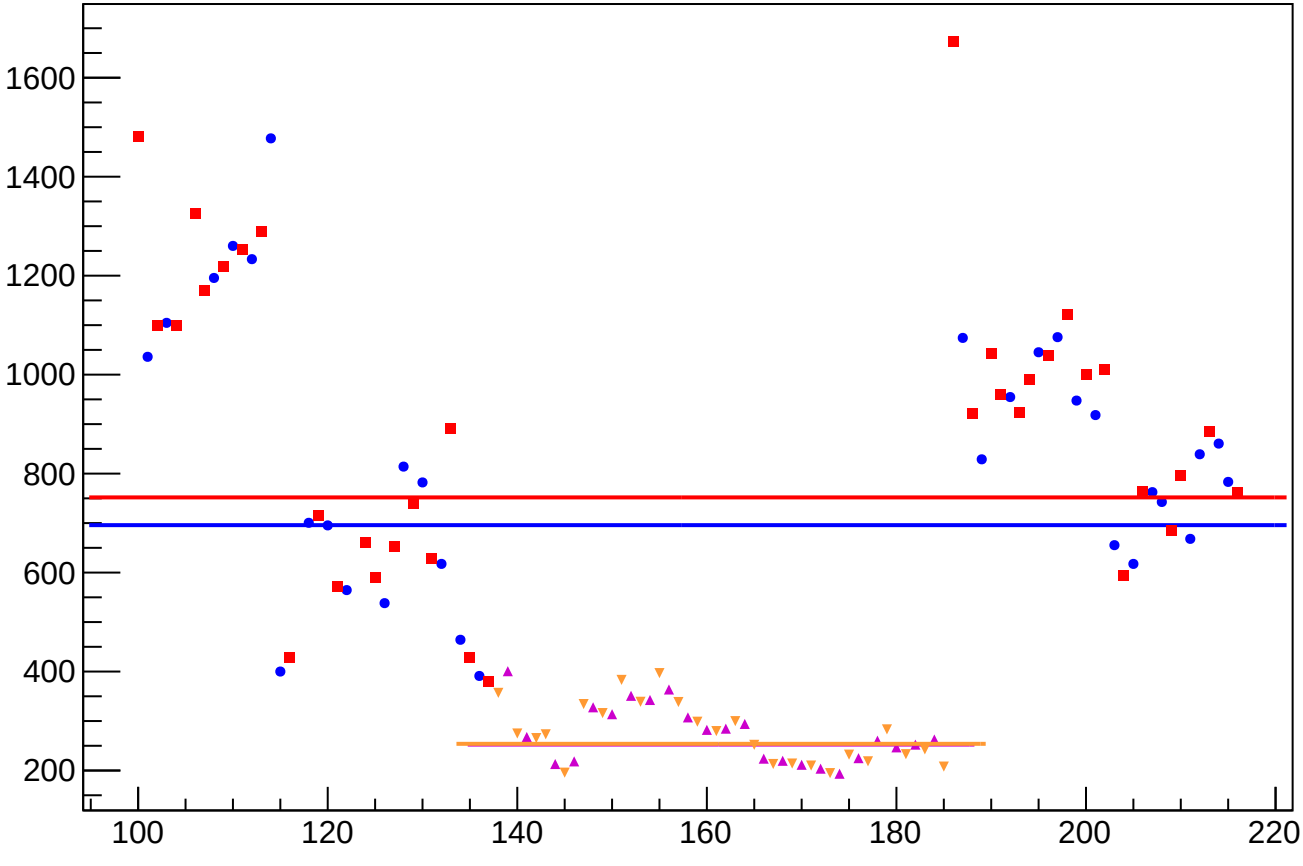
Right: 89.389+/-121.778 χ^2/NDF: 95.5/65

In: 82.291+/-56.756 χ^2/NDF:77.1/53

Out: 187.583+/-56.136 χ^2/NDF:119.9/59

All: 135.515+/-39.912 χ^2/NDF: 198.7/113

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: 751.918+/-0.126 χ^2/NDF: 3643754.0/34

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

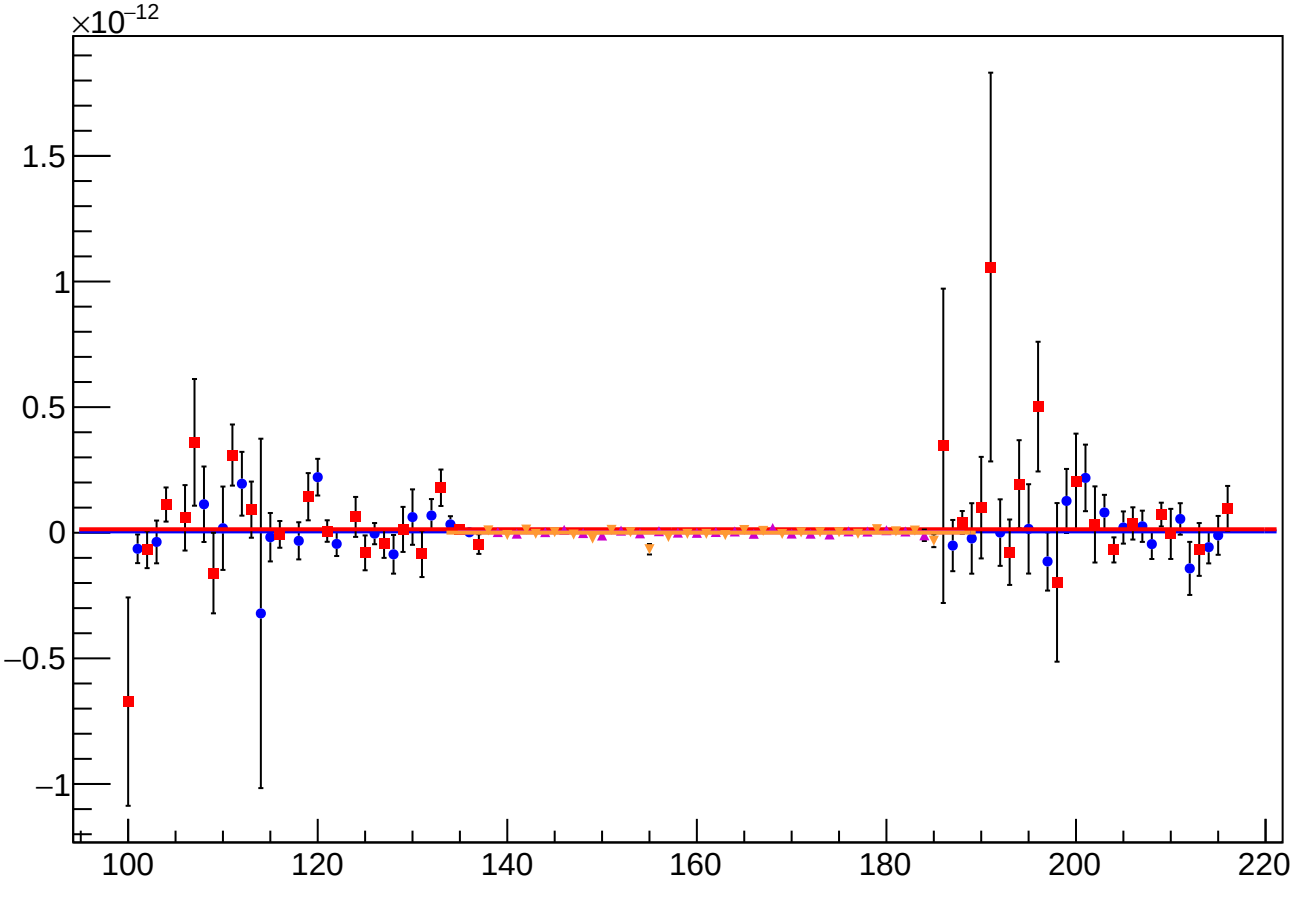
Right: 722.047+/-0.086 χ^2/NDF: 7196043.7/65

In: 303.716+/-0.040 χ^2/NDF:17355330.7/53

Out: 303.387+/-0.040 χ^2/NDF:19306690.0/59

All: 303.550+/-0.028 χ^2/NDF: 36662054.7/11

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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: 44.6/34

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

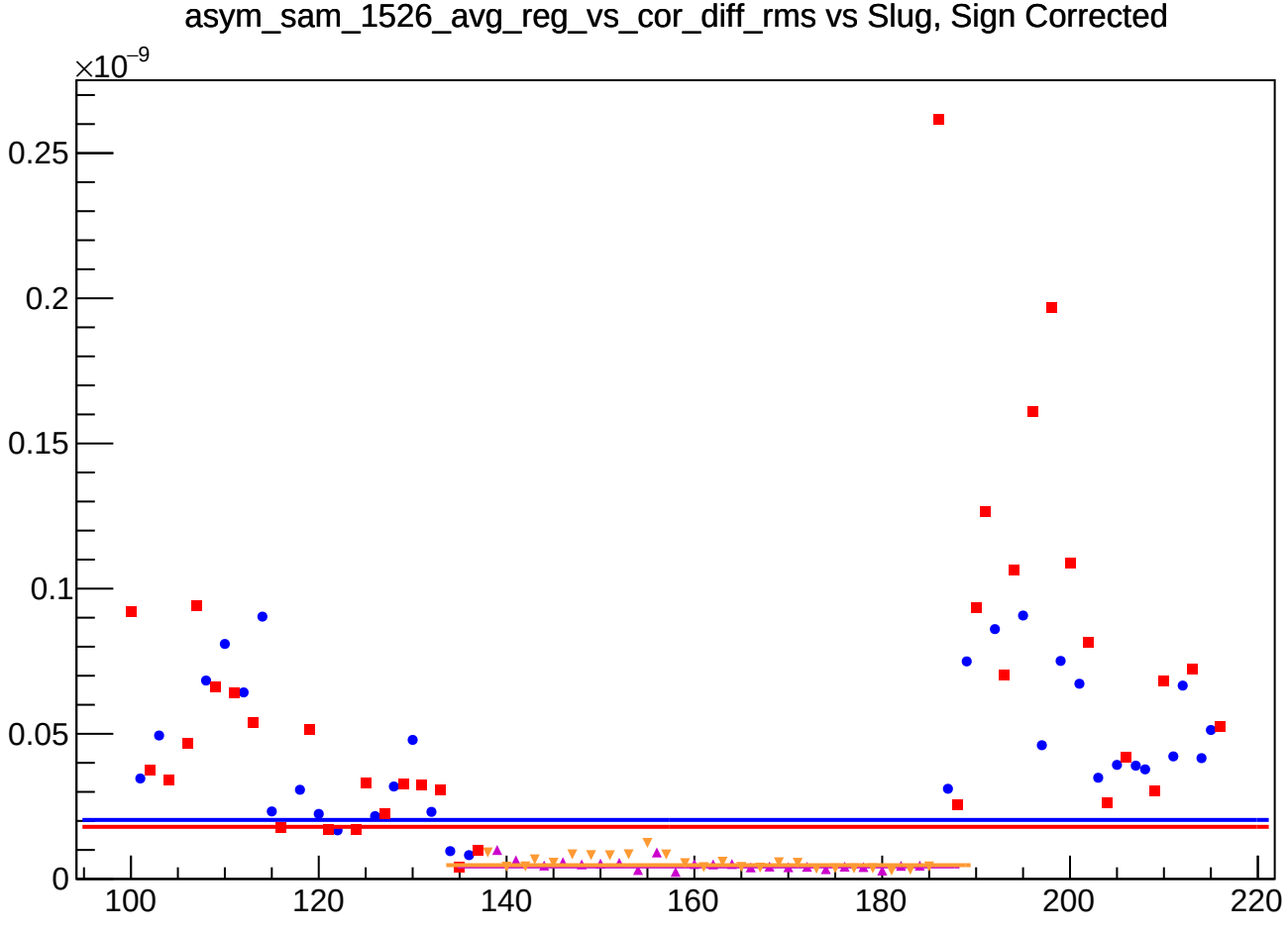
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 73.8/65

In: 0.000+/-0.000 χ^2/NDF:42.9/53

Out: 0.000+/-0.000 χ^2/NDF:73.4/59

All: 0.000+/-0.000 χ^2/NDF: 116.4/113



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: 9424136.9/34

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

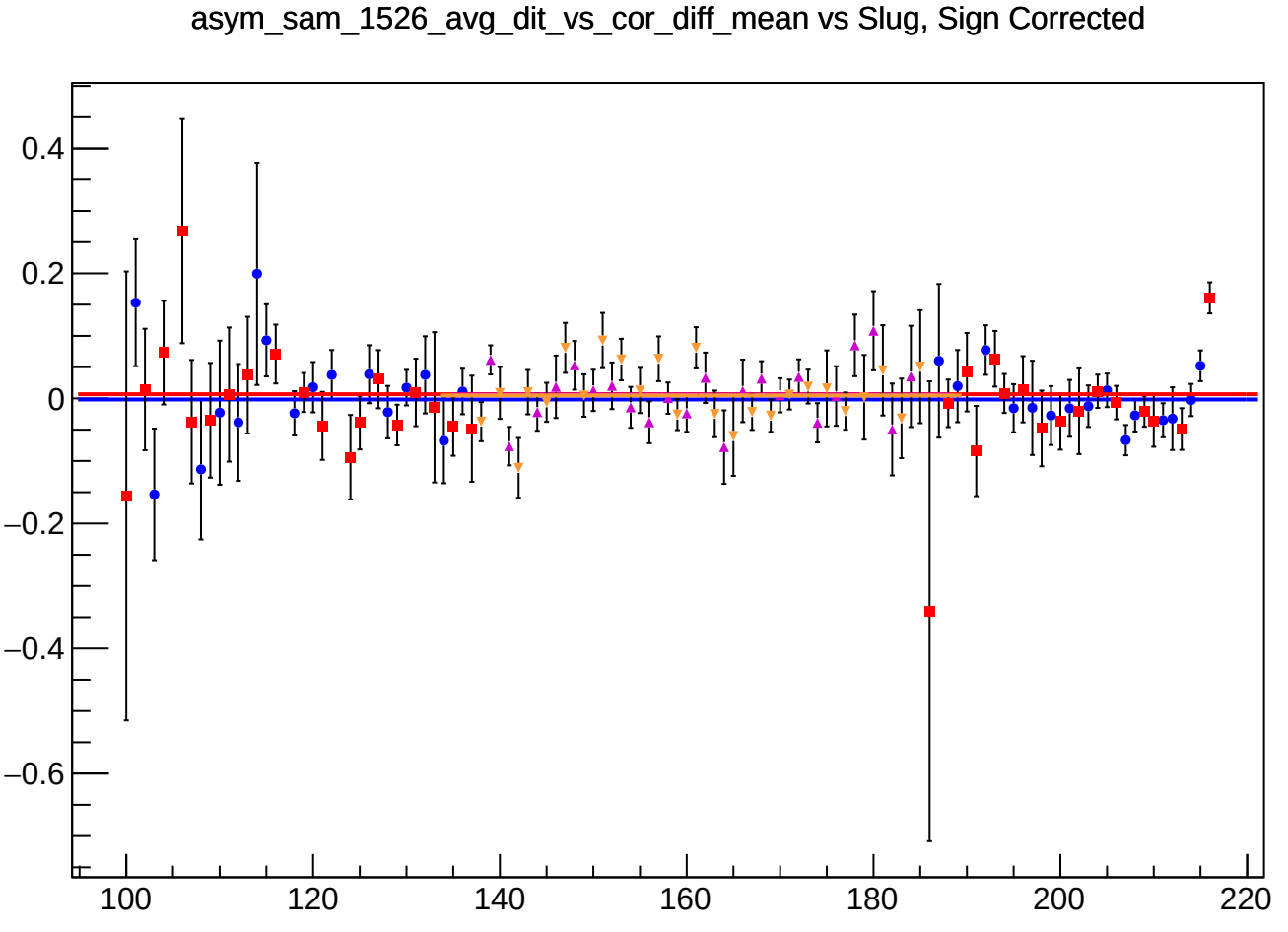
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16281822.0/65

In: 0.000+/-0.000 χ^2/NDF:13313406.1/53

Out: 0.000+/-0.000 χ^2/NDF:14756445.1/59

All: 0.000+/-0.000 χ^2/NDF: 28106540.4/113



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: 0.007+/-0.008 χ^2/NDF: 64.1/34

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

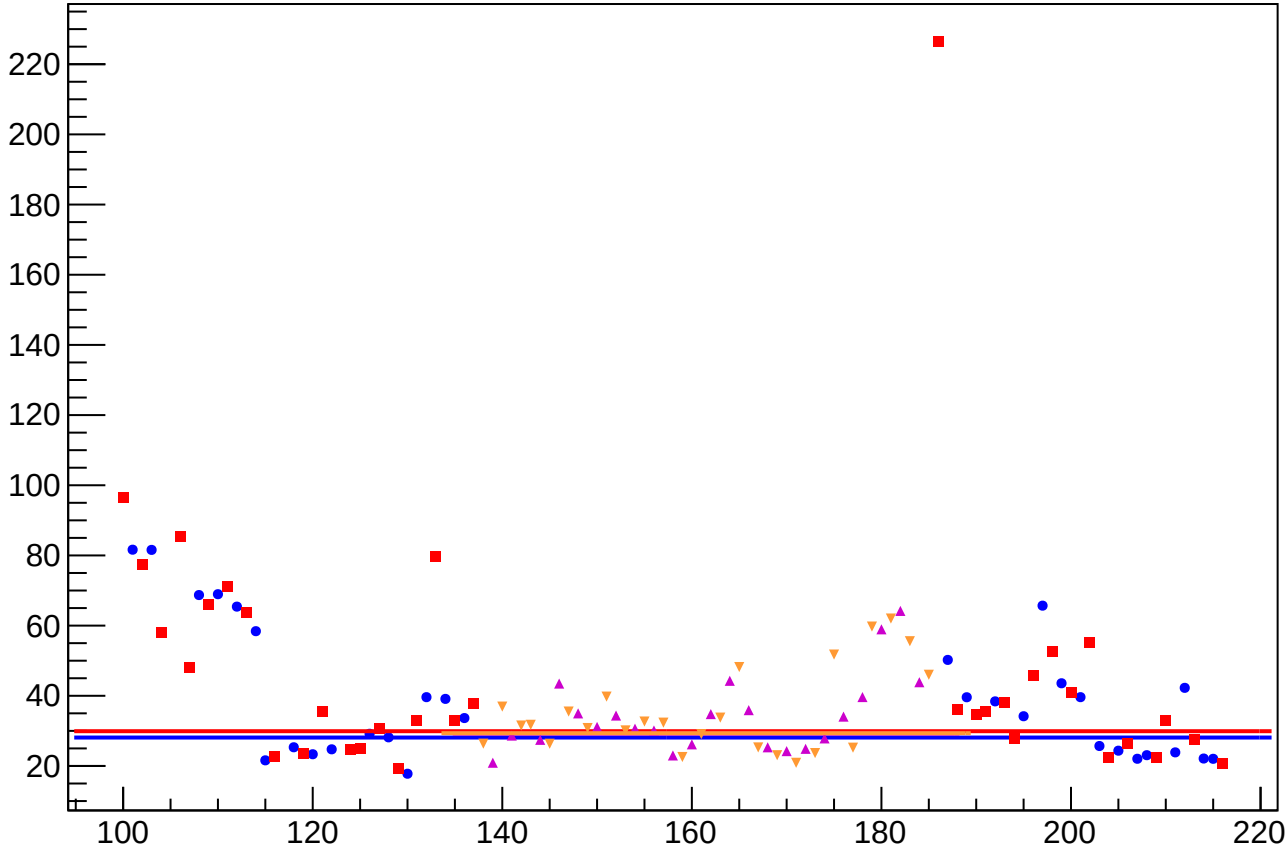
Right: 0.002+/-0.005 χ^2/NDF: 99.1/65

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: 0.006+/-0.005 χ^2/NDF:98.1/59

All: 0.004+/-0.004 χ^2/NDF: 164.2/113

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: 29.908+/-0.005 χ^2/NDF: 4951863.3/34

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

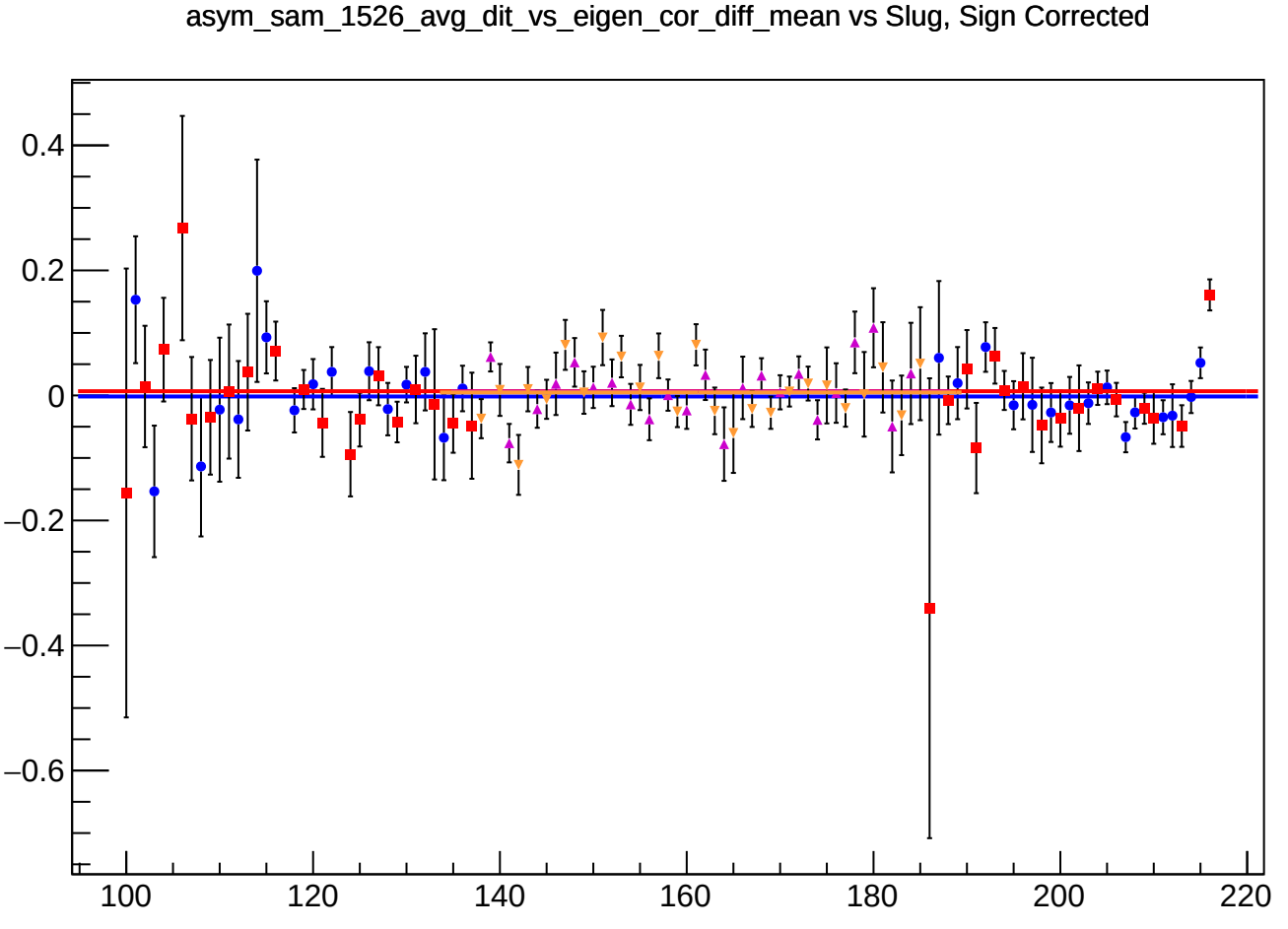
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 28.948+/-0.004 χ^2/NDF: 9348855.8/65

In: 28.655+/-0.004 χ^2/NDF:6459196.7/53

Out: 29.603+/-0.004 χ^2/NDF:7645022.6/59

All: 29.120+/-0.003 χ^2/NDF: 14138156.9/113



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: 0.007+/-0.008 χ^2/NDF: 64.1/34

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

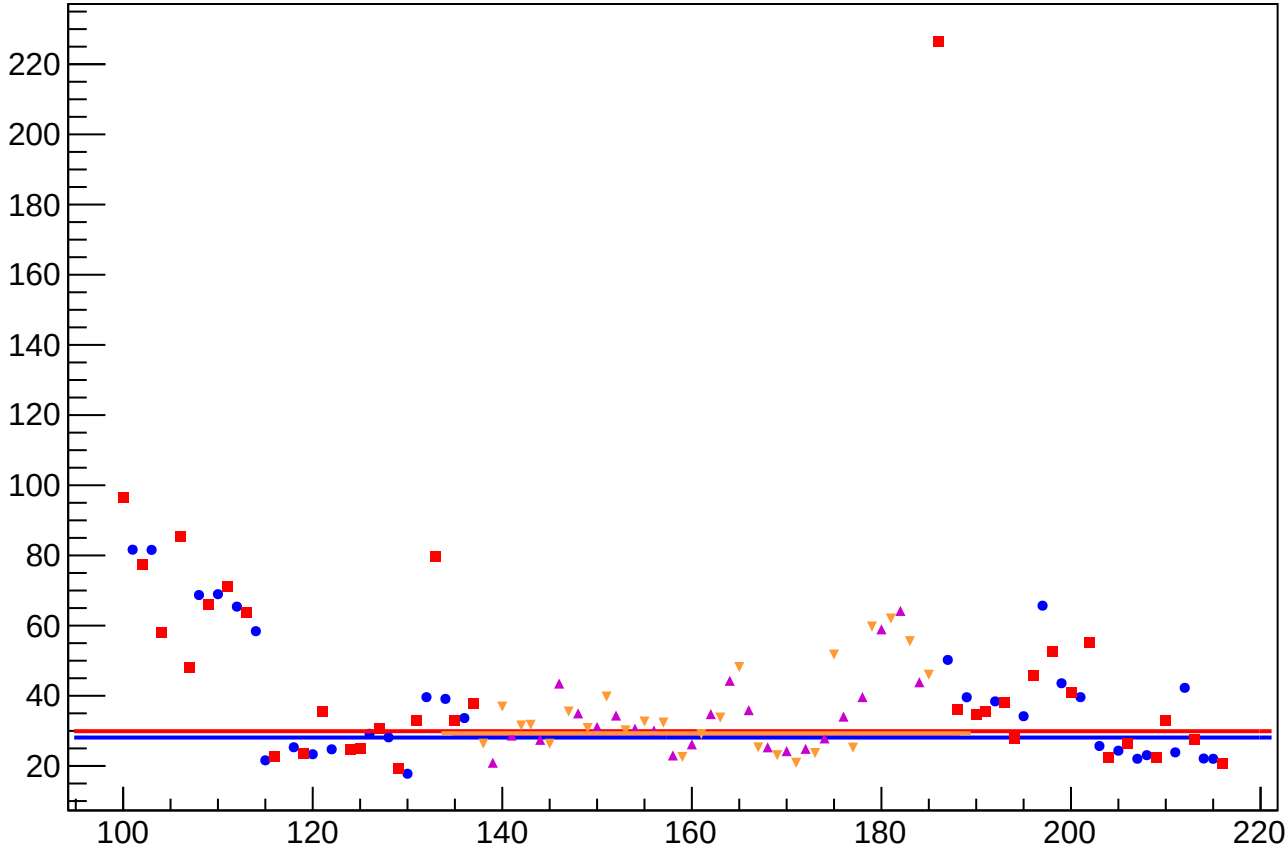
Right: 0.002+/-0.005 χ^2/NDF: 99.1/65

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: 0.006+/-0.005 χ^2/NDF:98.1/59

All: 0.004+/-0.004 χ^2/NDF: 164.2/113

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: 29.908+/-0.005 χ^2/NDF: 4951863.3/34

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

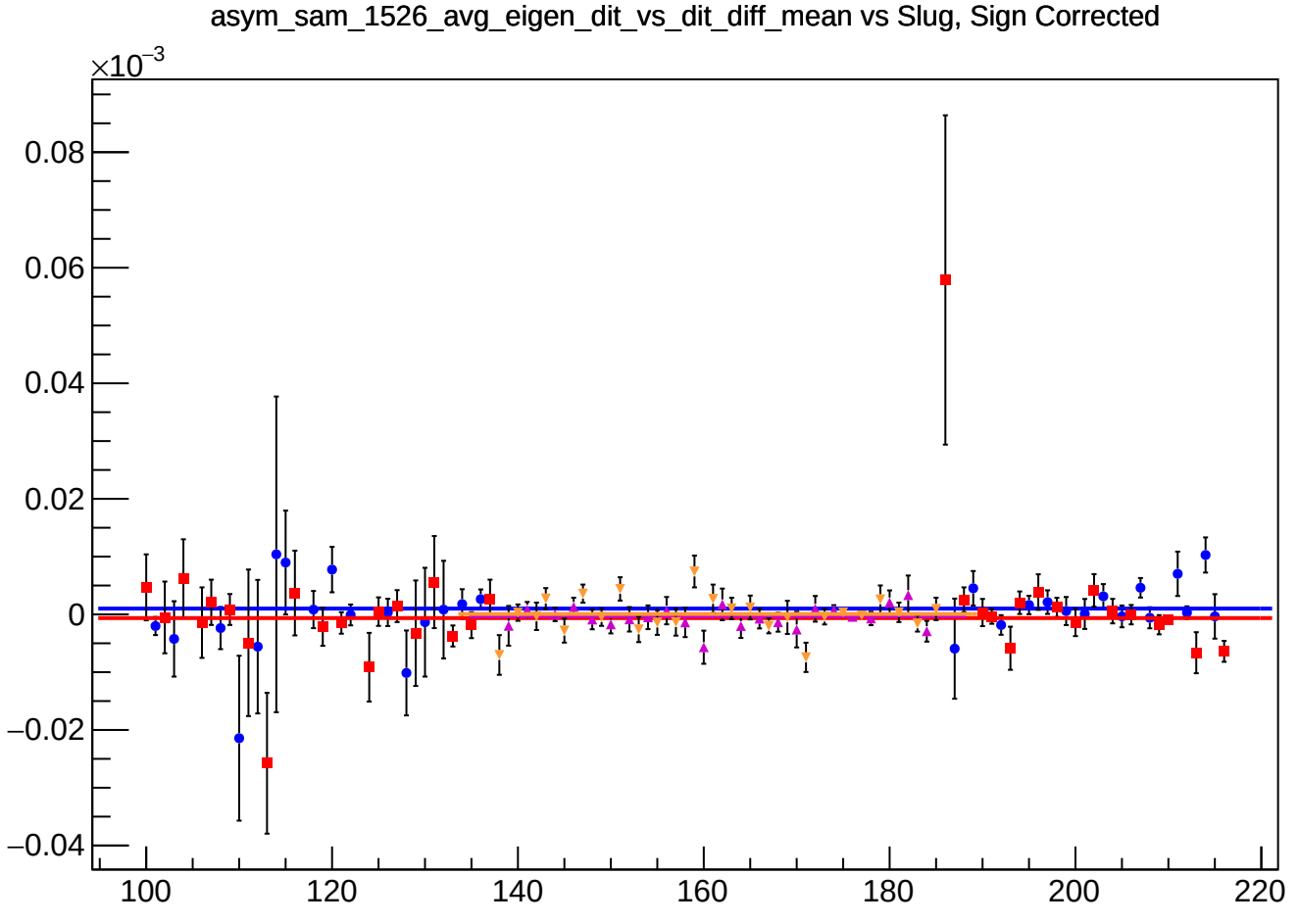
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 28.948+/-0.004 χ^2/NDF: 9348855.8/65

In: 28.655+/-0.004 χ^2/NDF:6459196.7/53

Out: 29.603+/-0.004 χ^2/NDF:7645022.6/59

All: 29.120+/-0.003 χ^2/NDF: 14138156.9/113



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: 46.3/34

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

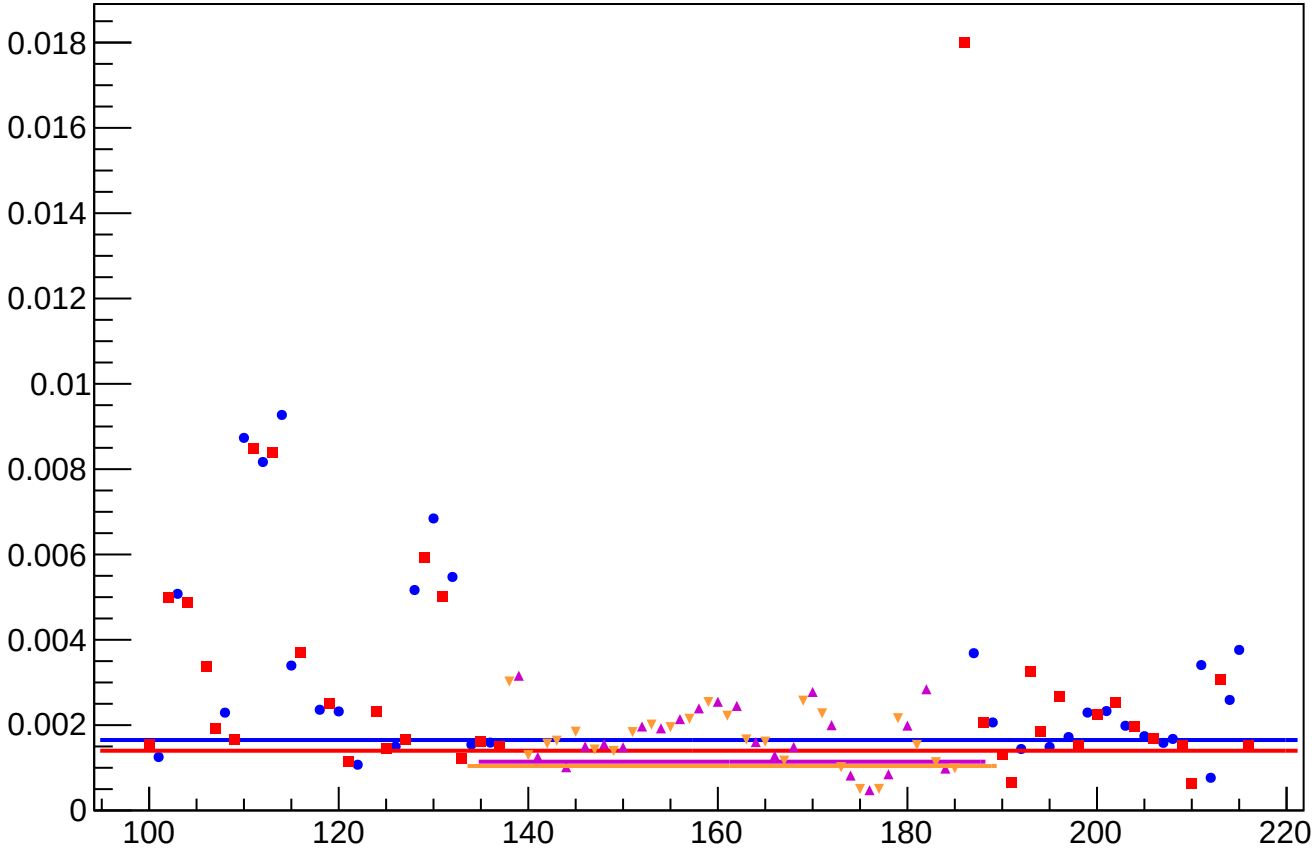
Right: 0.000+/-0.000 χ^2/NDF: 94.8/65

In: 0.000+/-0.000 χ^2/NDF:61.9/53

Out: -0.000+/-0.000 χ^2/NDF:92.3/59

All: -0.000+/-0.000 χ^2/NDF: 155.1/113

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 10247080.2/34

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

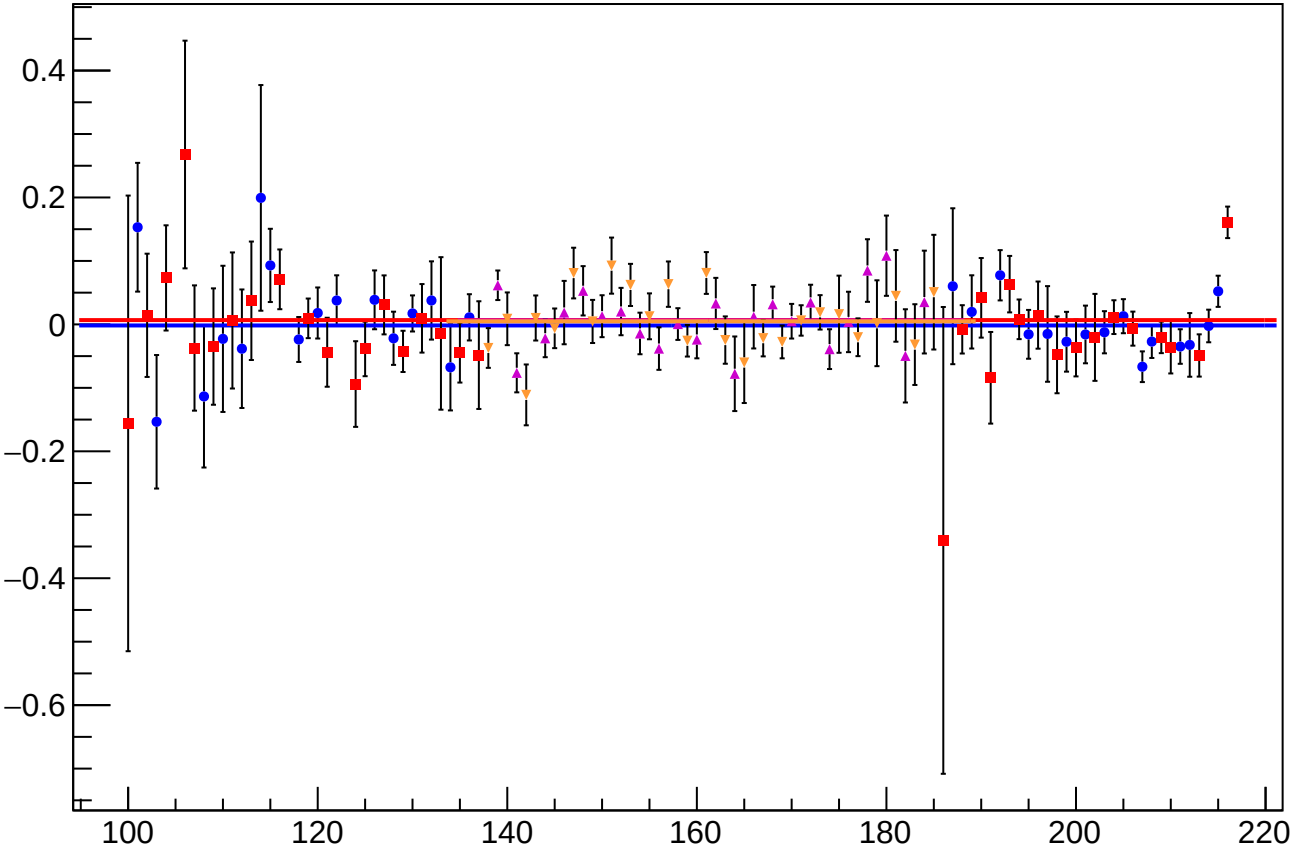
Right: 0.002+/-0.000 χ^2/NDF: 17641554.7/65

In: 0.001+/-0.000 χ^2/NDF:17127020.2/53

Out: 0.001+/-0.000 χ^2/NDF:21246412.2/59

All: 0.001+/-0.000 χ^2/NDF: 38760741.3/113

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: 0.007+/-0.008 χ^2/NDF: 64.1/34

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

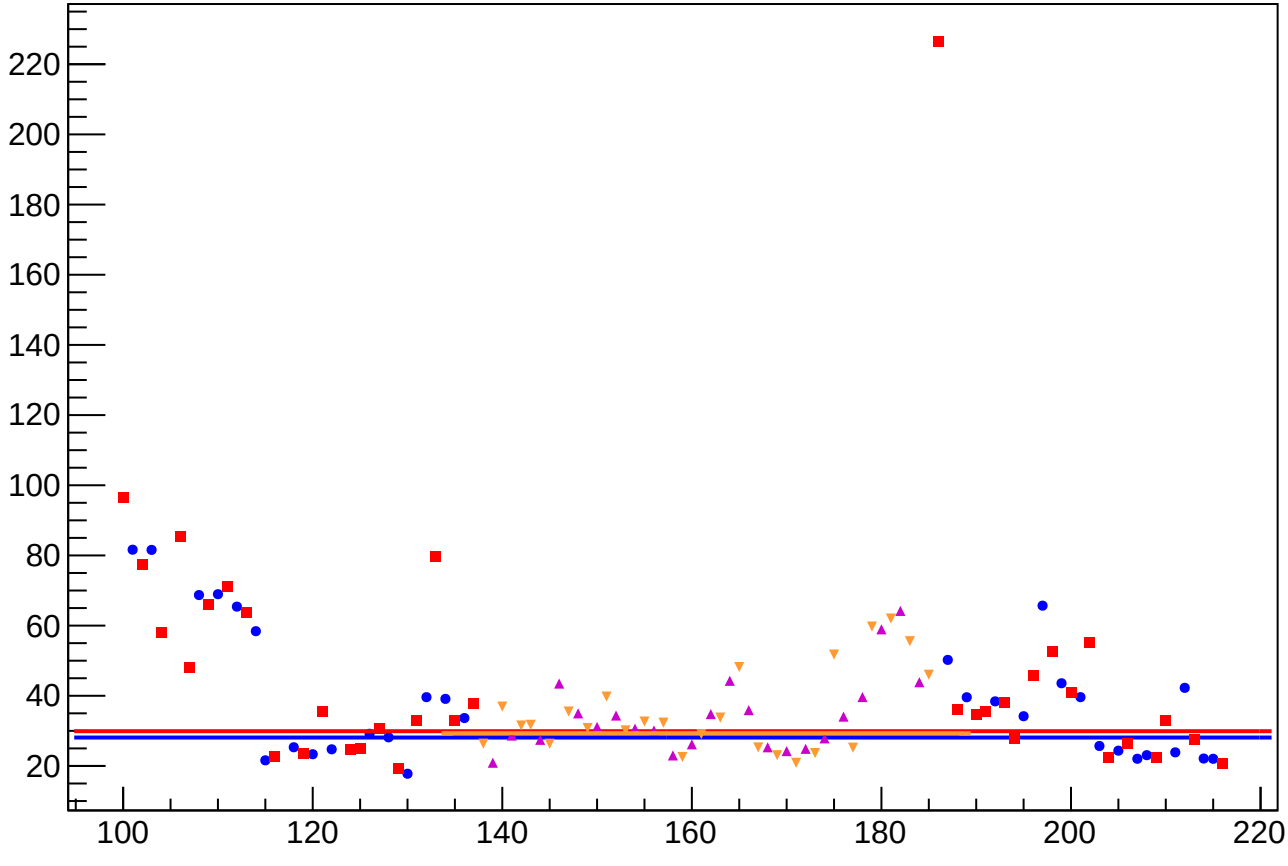
Right: 0.002+/-0.005 χ^2/NDF: 99.1/65

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: 0.006+/-0.005 χ^2/NDF:98.1/59

All: 0.004+/-0.004 χ^2/NDF: 164.2/113

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: 29.907+/-0.005 χ^2/NDF: 4952055.4/34

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

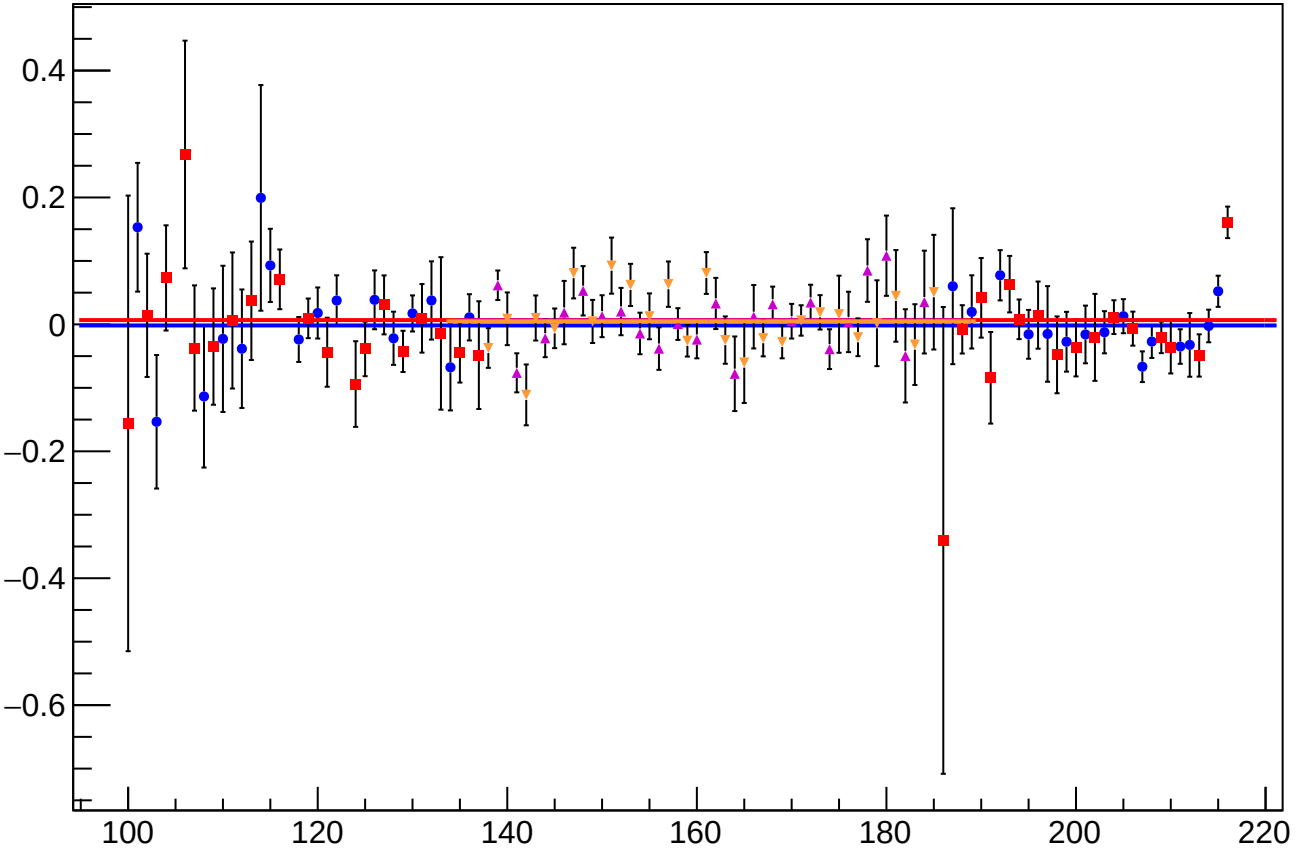
Right: 28.947+/-0.004 χ^2/NDF: 9349252.1/65

In: 28.655+/-0.004 χ^2/NDF:6459408.4/53

Out: 29.603+/-0.004 χ^2/NDF:7645239.6/59

All: 29.120+/-0.003 χ^2/NDF: 14138577.7/113

asym_sam_1526_avg_eigen_dit_vs_eigen_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: 0.007+/-0.008 χ^2/NDF: 64.1/34

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

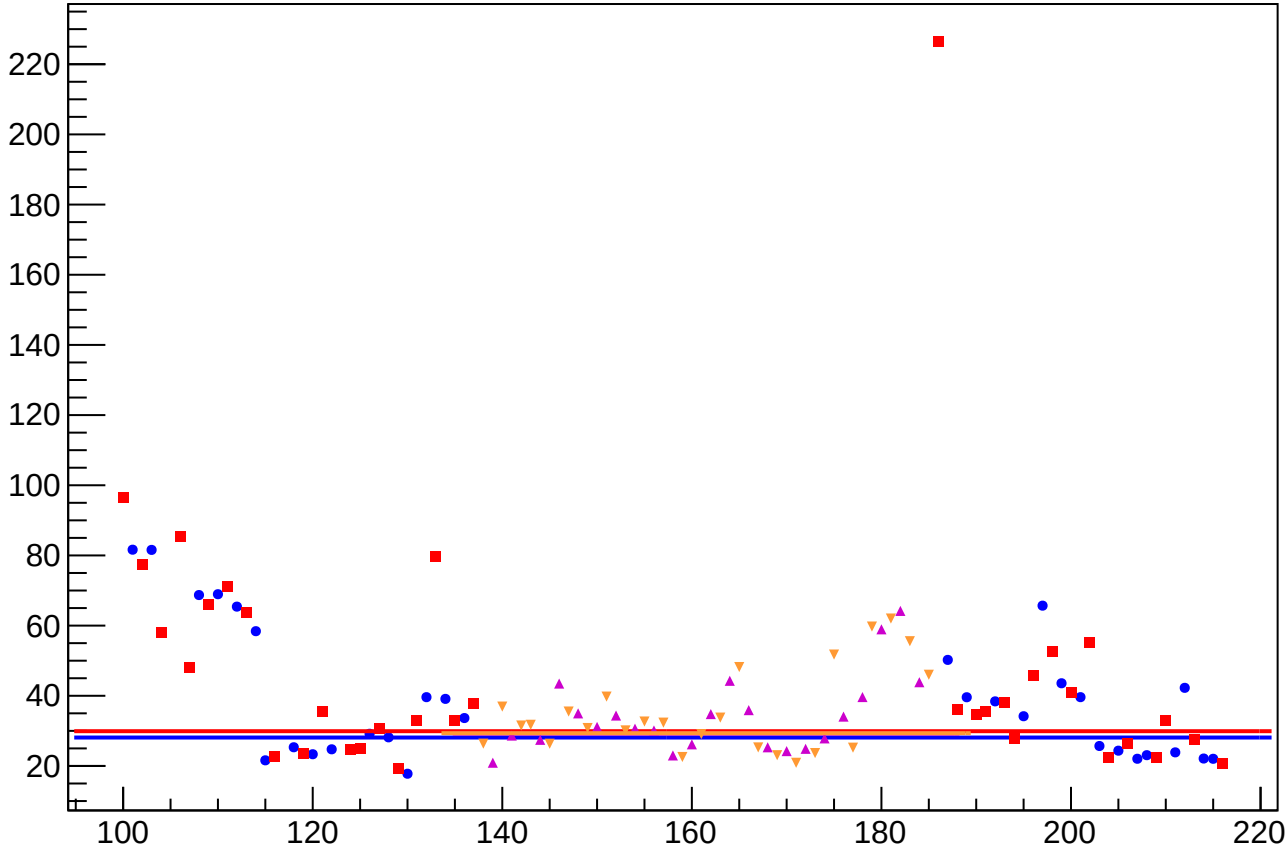
Right: 0.002+/-0.005 χ^2/NDF: 99.1/65

In: 0.002+/-0.005 χ^2/NDF:65.9/53

Out: 0.006+/-0.005 χ^2/NDF:98.1/59

All: 0.004+/-0.004 χ^2/NDF: 164.2/113

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: 29.907+/-0.005 χ^2/NDF: 4952055.4/34

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

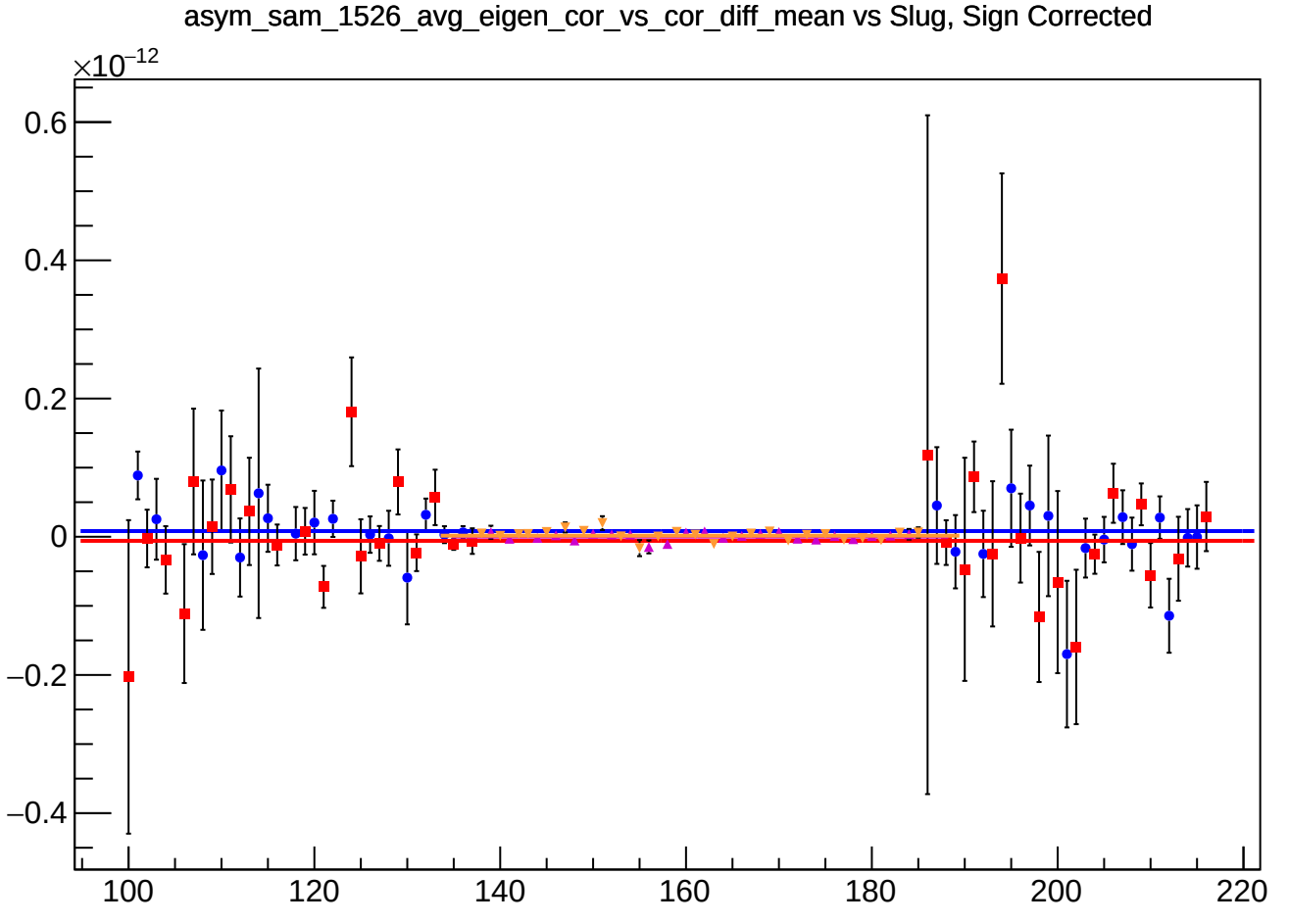
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 28.947+/-0.004 χ^2/NDF: 9349252.1/65

In: 28.655+/-0.004 χ^2/NDF:6459408.4/53

Out: 29.603+/-0.004 χ^2/NDF:7645239.6/59

All: 29.120+/-0.003 χ^2/NDF: 14138577.7/113



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: 42.7/34

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

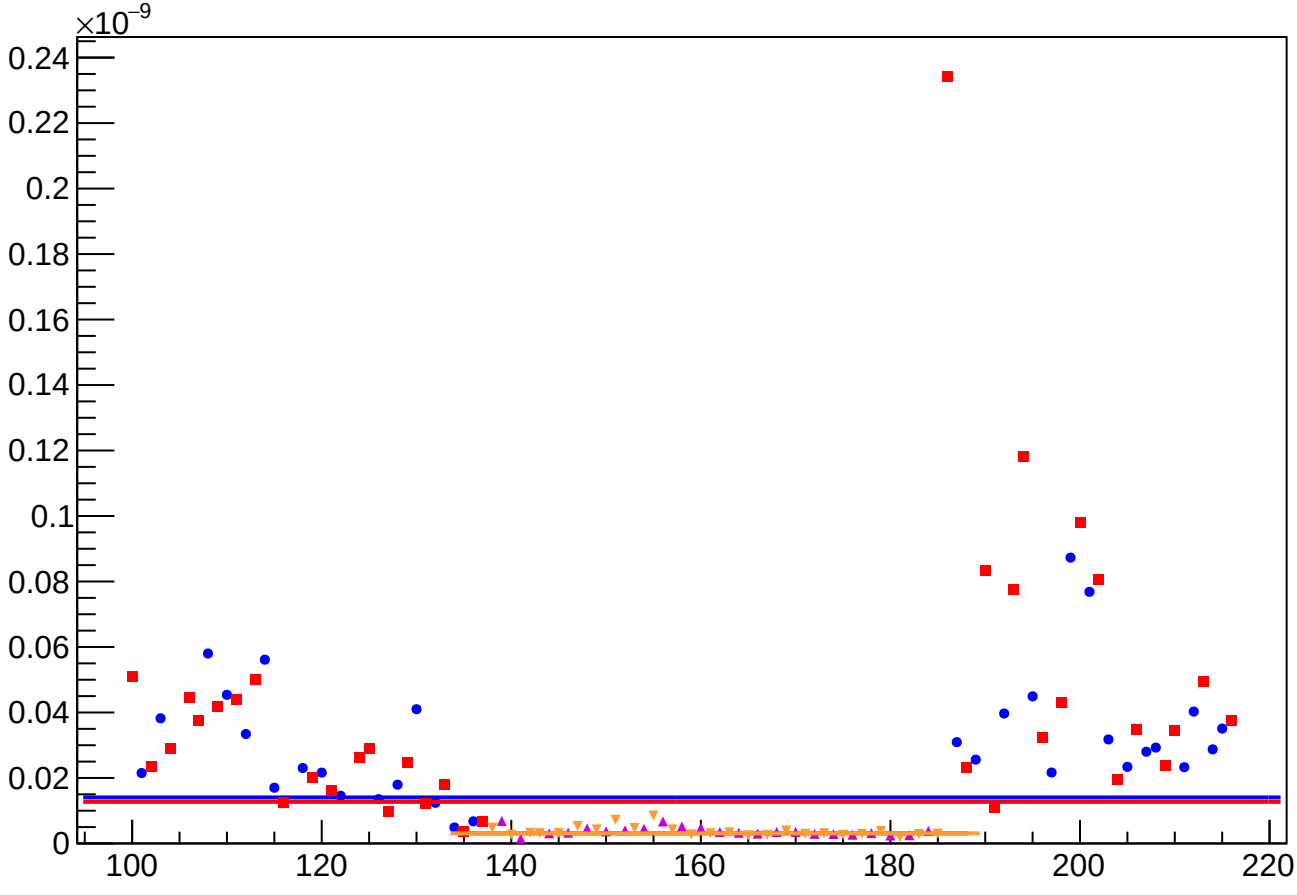
Right: 0.000+/-0.000 χ^2/NDF: 67.6/65

In: 0.000+/-0.000 χ^2/NDF:42.2/53

Out: 0.000+/-0.000 χ^2/NDF:79.5/59

All: 0.000+/-0.000 χ^2/NDF: 122.2/113

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: 12556257.8/34

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

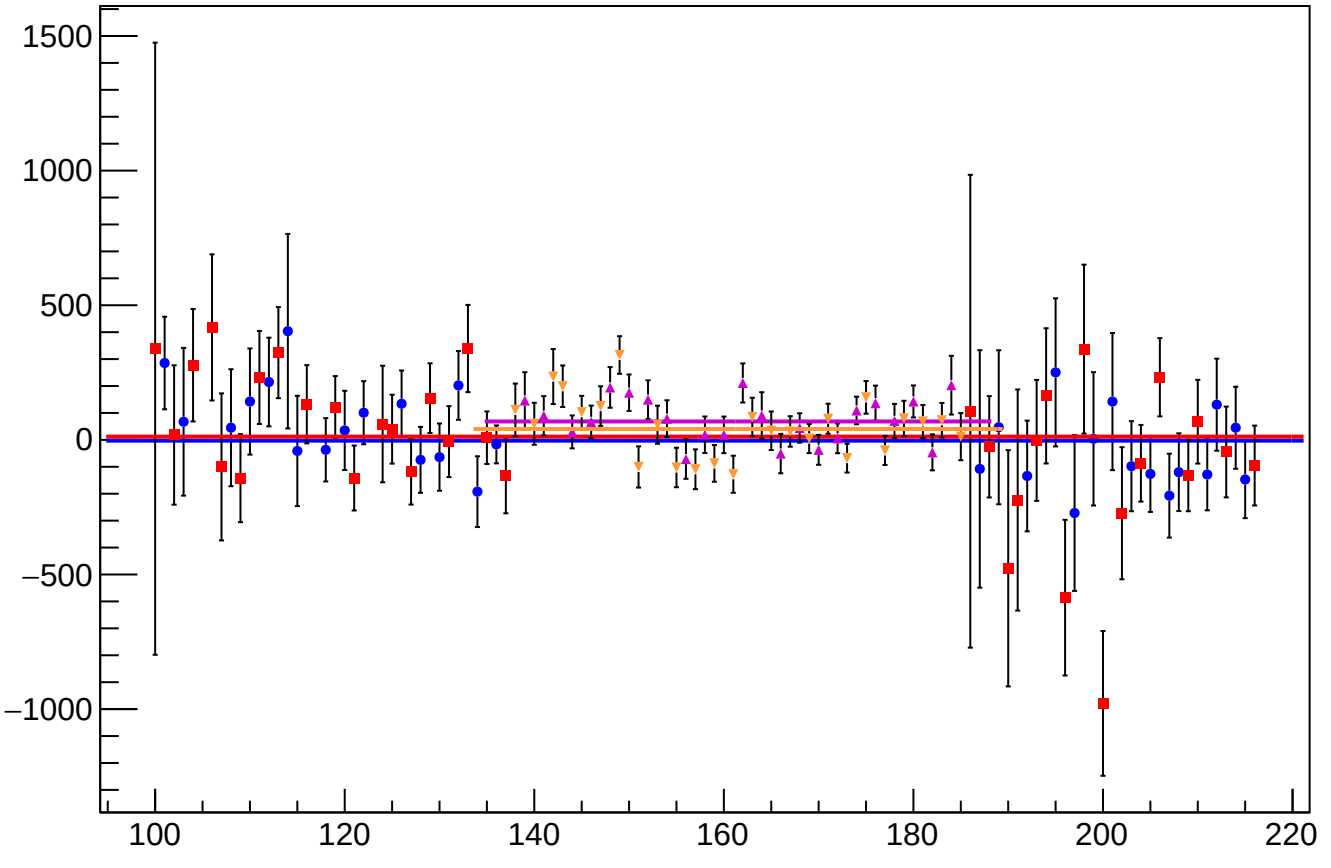
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 21657138.7/65

In: 0.000+/-0.000 χ^2/NDF:19228509.0/53

Out: 0.000+/-0.000 χ^2/NDF:20800699.8/59

All: 0.000+/-0.000 χ^2/NDF: 40033336.4/113



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: 12.098+/-28.541 χ^2/NDF: 47.8/34

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

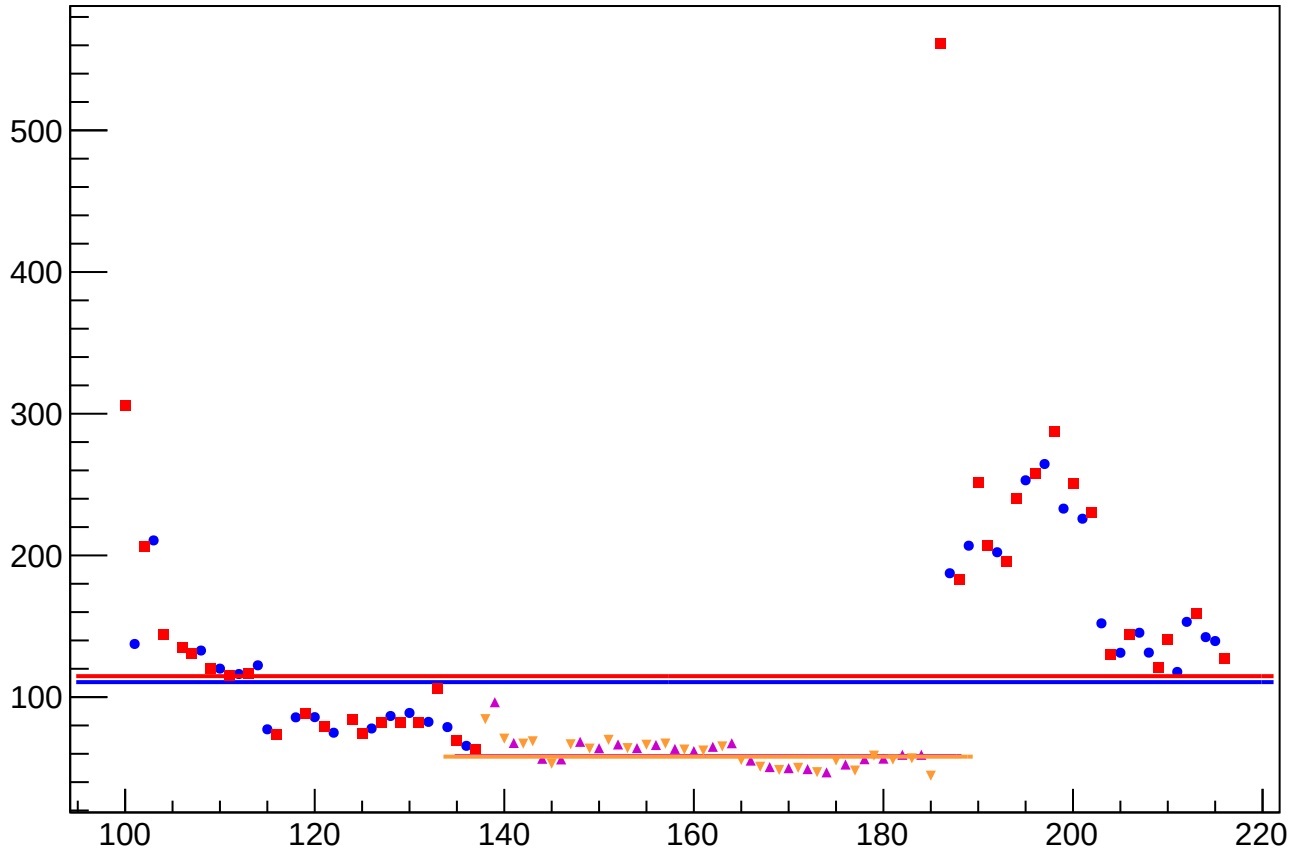
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 4.306+/-19.787 χ^2/NDF: 70.6/65

In: 53.865+/-12.377 χ^2/NDF:59.7/53

Out: 35.239+/-12.131 χ^2/NDF:108.0/59

All: 44.365+/-8.664 χ^2/NDF: 168.9/113



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: 114.799+/-0.020 χ^2/NDF: 6344671.0/34

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

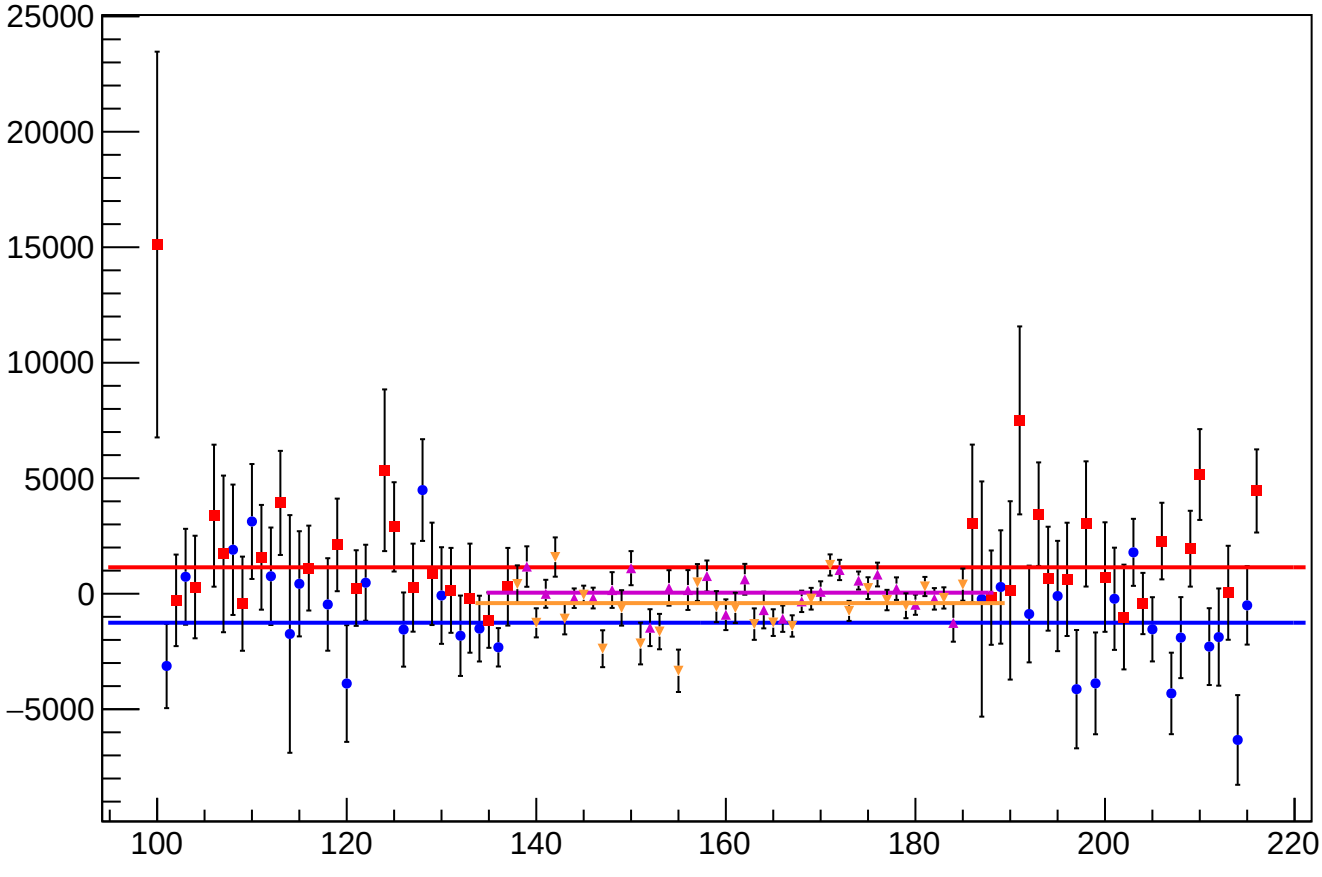
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 112.607+/-0.014 χ^2/NDF: 11695257.9/65

In: 69.001+/-0.009 χ^2/NDF:11819074.7/53

Out: 68.258+/-0.009 χ^2/NDF:13643290.0/59

All: 68.622+/-0.006 χ^2/NDF: 25466044.3/113



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: 1144.074+/-349.121 χ^2/NDF: 29.5/34

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

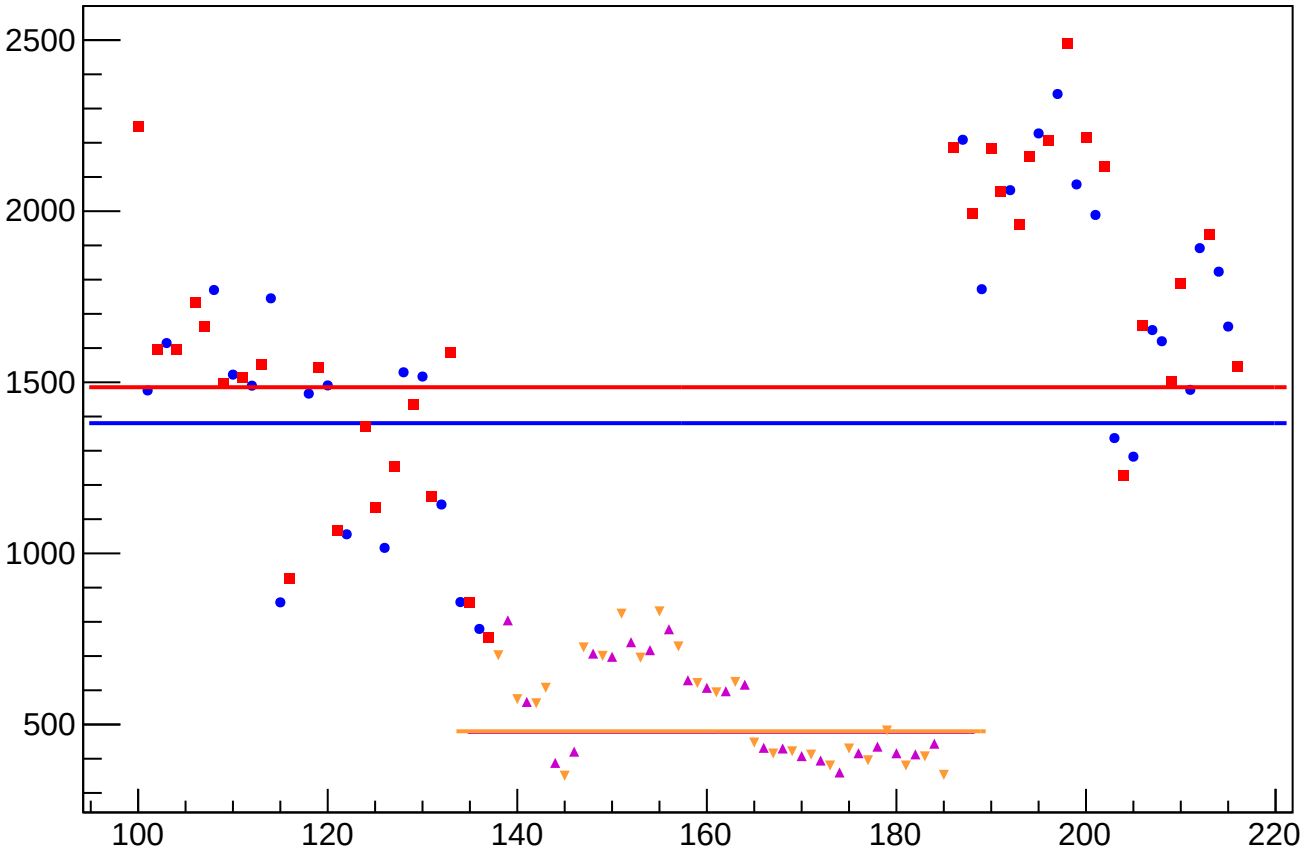
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -121.317+/-240.025 χ^2/NDF: 92.1/65

In: -97.253+/-109.258 χ^2/NDF:82.6/53

Out: -258.198+/-107.911 χ^2/NDF:110.5/59

All: -178.723+/-76.776 χ^2/NDF: 194.2/113



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: 1485.639+/-0.247 χ^2/NDF: 3082622.9/34

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

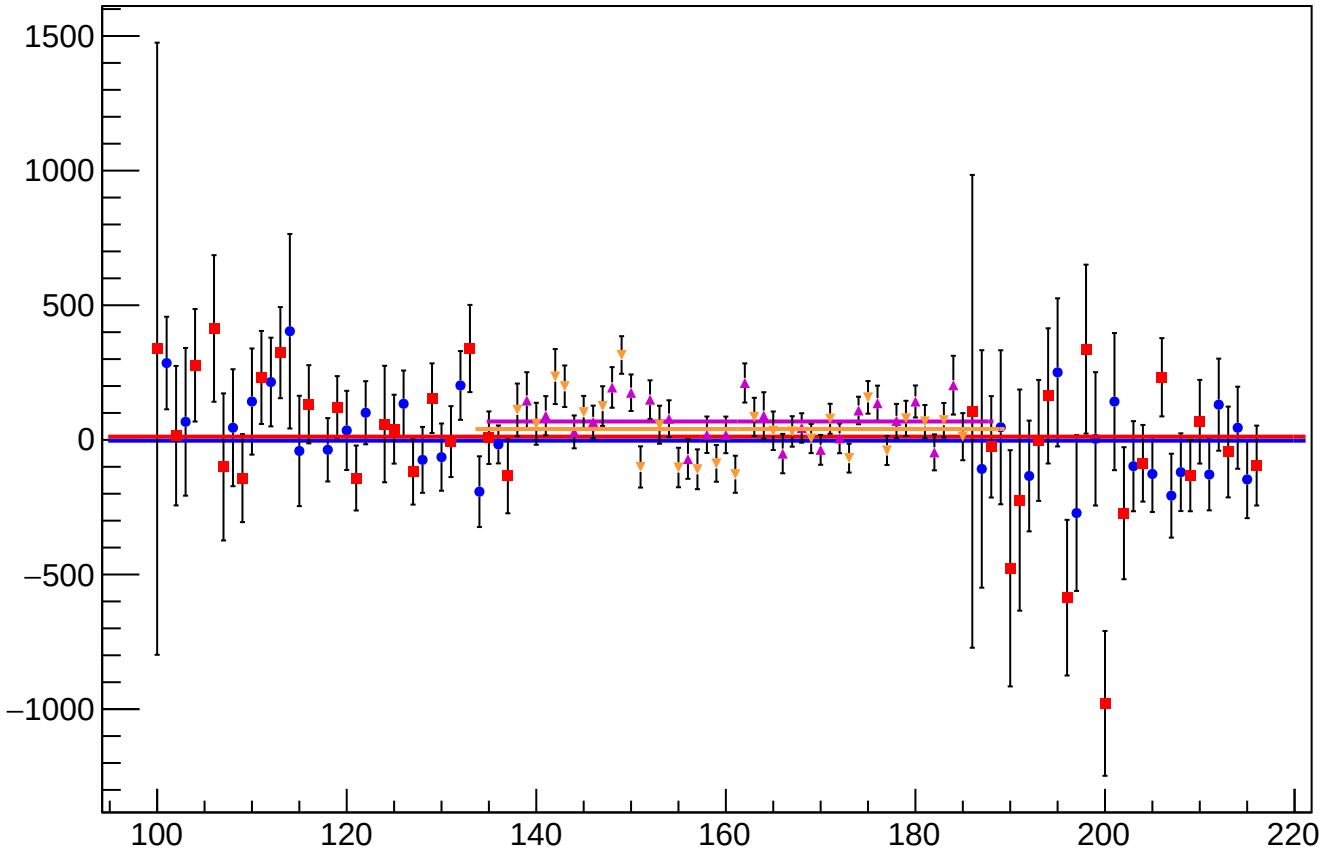
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1430.239+/-0.170 χ^2/NDF: 6515935.7/65

In: 576.693+/-0.077 χ^2/NDF:18834669.8/53

Out: 576.224+/-0.076 χ^2/NDF:20669036.2/59

All: 576.456+/-0.054 χ^2/NDF: 39503724.7/1



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: 11.997+/-28.542 χ^2/NDF: 47.8/34

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

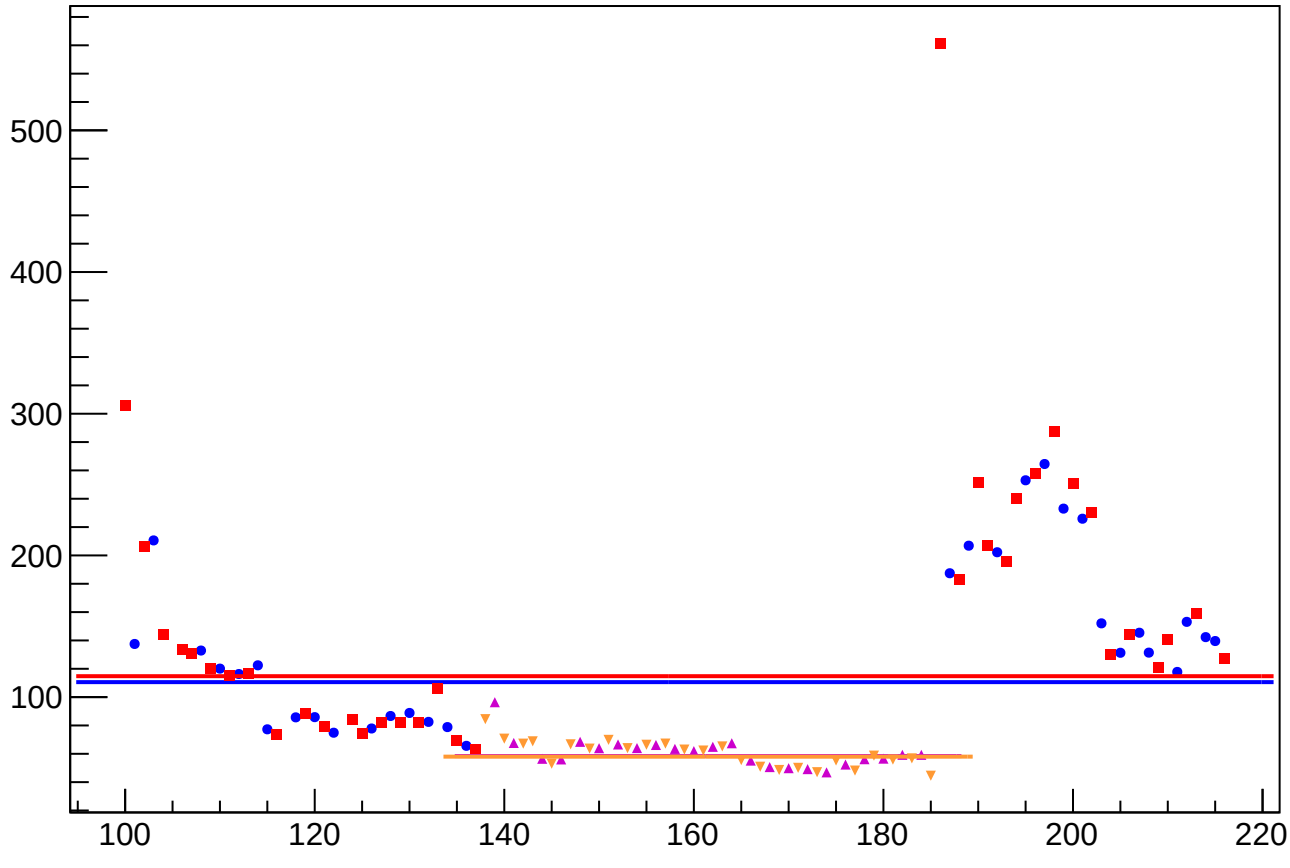
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 4.253+/-19.787 χ^2/NDF: 70.5/65

In: 53.863+/-12.377 χ^2/NDF:59.7/53

Out: 35.223+/-12.131 χ^2/NDF:108.0/59

All: 44.356+/-8.664 χ^2/NDF: 168.8/113



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: 114.776+/-0.020 χ^2/NDF: 6342864.7/34

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

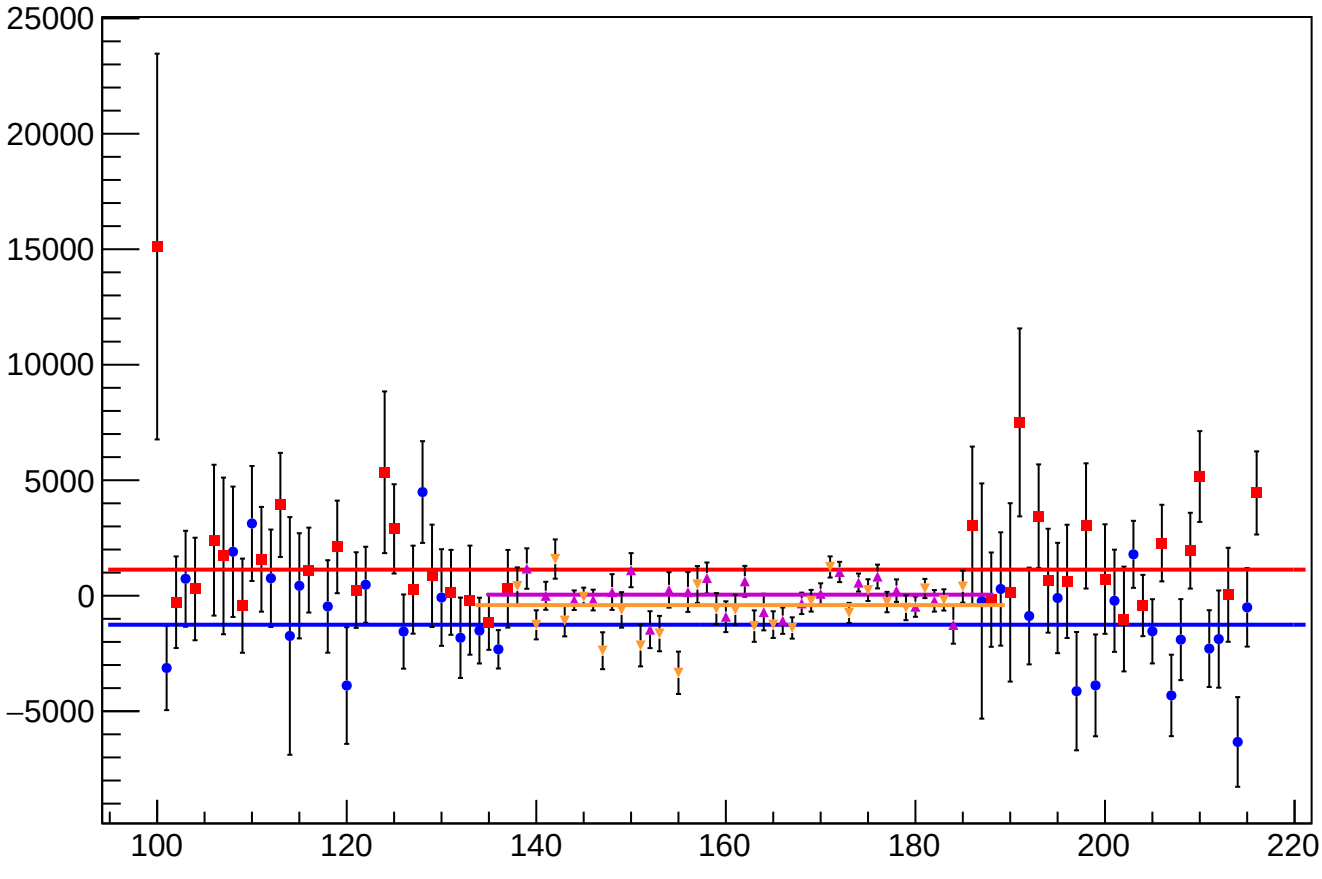
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 112.596+/-0.014 χ^2/NDF: 11693208.5/65

In: 69.001+/-0.009 χ^2/NDF:11819077.1/53

Out: 68.253+/-0.009 χ^2/NDF:13635828.0/59

All: 68.619+/-0.006 χ^2/NDF: 25458632.5/113



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: 1129.892+/-349.386 χ^2/NDF: 29.1/34

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

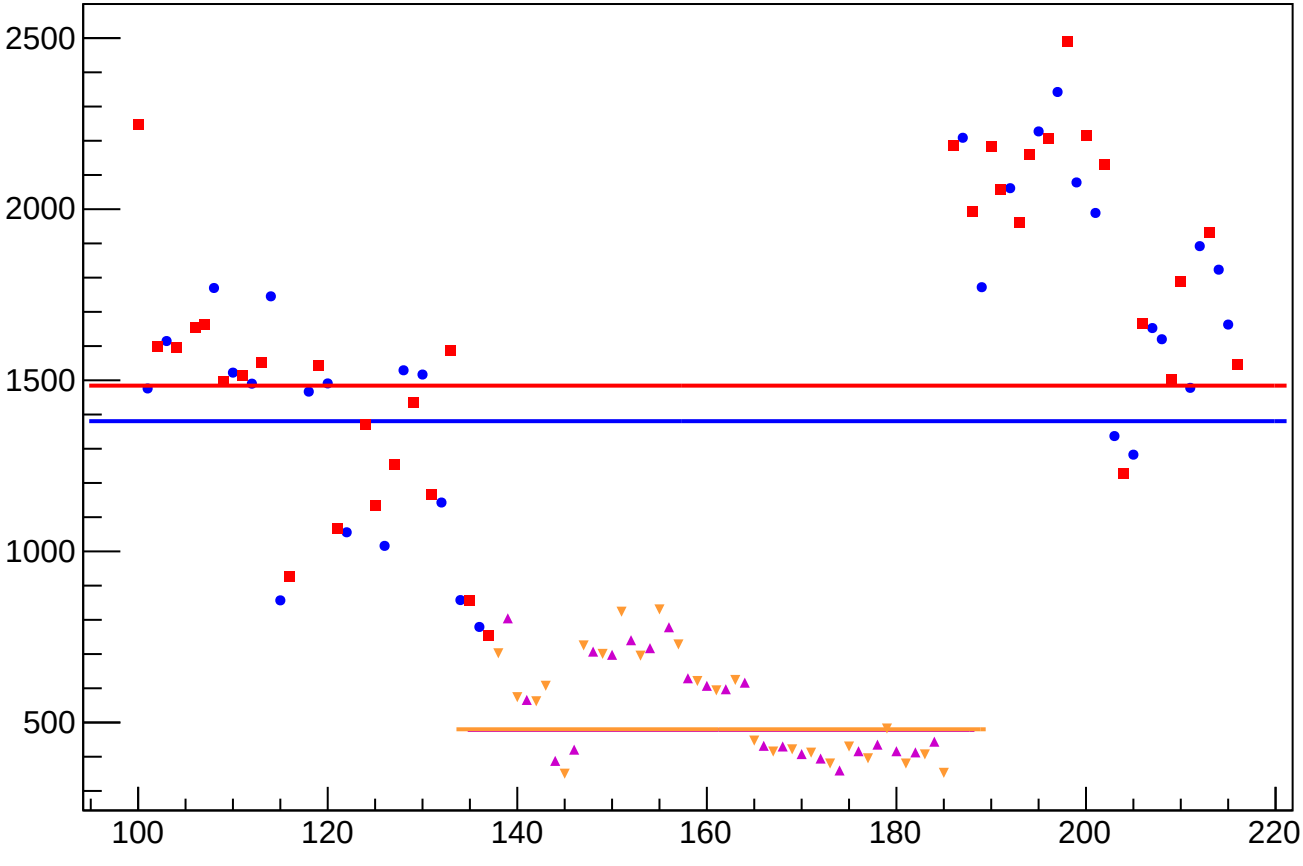
Right: -128.912+/-240.111 χ^2/NDF: 91.4/65

In: -97.252+/-109.258 χ^2/NDF:82.6/53

Out: -259.753+/-107.919 χ^2/NDF:109.8/59

All: -179.504+/-76.779 χ^2/NDF: 193.5/113

asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected



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: 1484.413+/-0.247 χ^2/NDF: 3075128.0/34

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

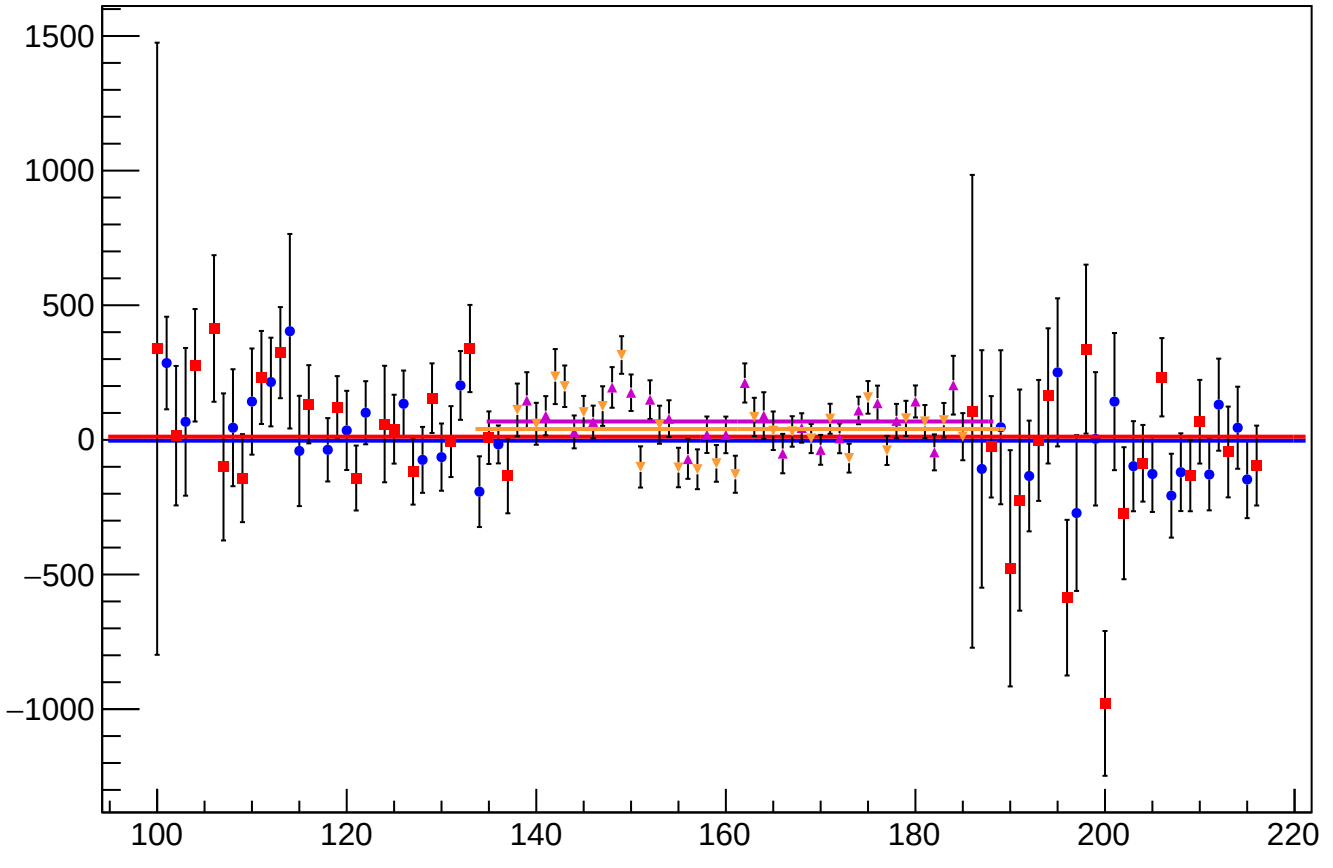
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1429.621+/-0.170 χ^2/NDF: 6506172.6/65

In: 576.693+/-0.077 χ^2/NDF:18834696.5/53

Out: 575.976+/-0.076 χ^2/NDF:20604452.1/59

All: 576.330+/-0.054 χ^2/NDF: 39439192.3/11



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: 11.997+/-28.542 χ^2/NDF: 47.8/34

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

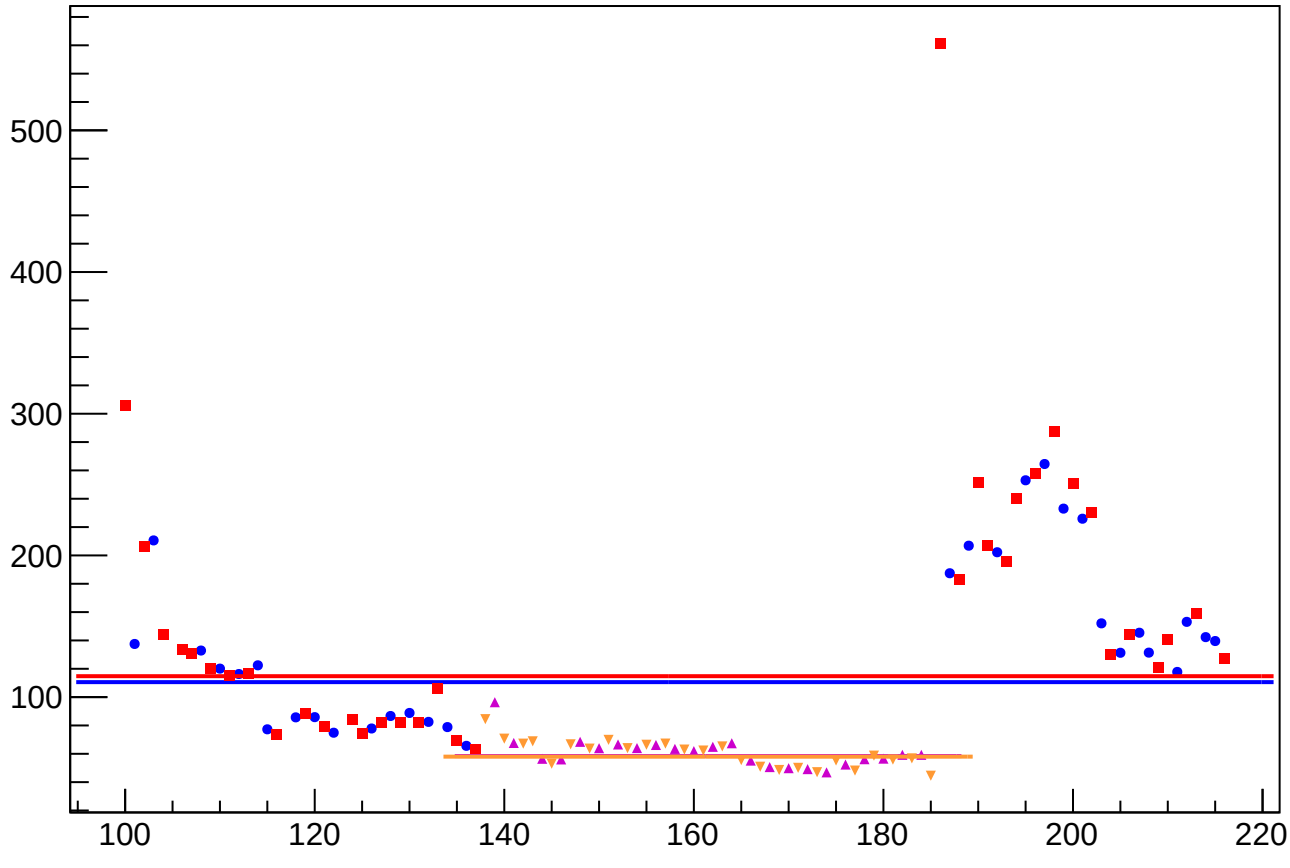
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 4.253+/-19.787 χ^2/NDF: 70.5/65

In: 53.863+/-12.377 χ^2/NDF:59.7/53

Out: 35.223+/-12.131 χ^2/NDF:108.0/59

All: 44.356+/-8.664 χ^2/NDF: 168.8/113



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: 114.776+/-0.020 χ^2/NDF: 6342864.7/34

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

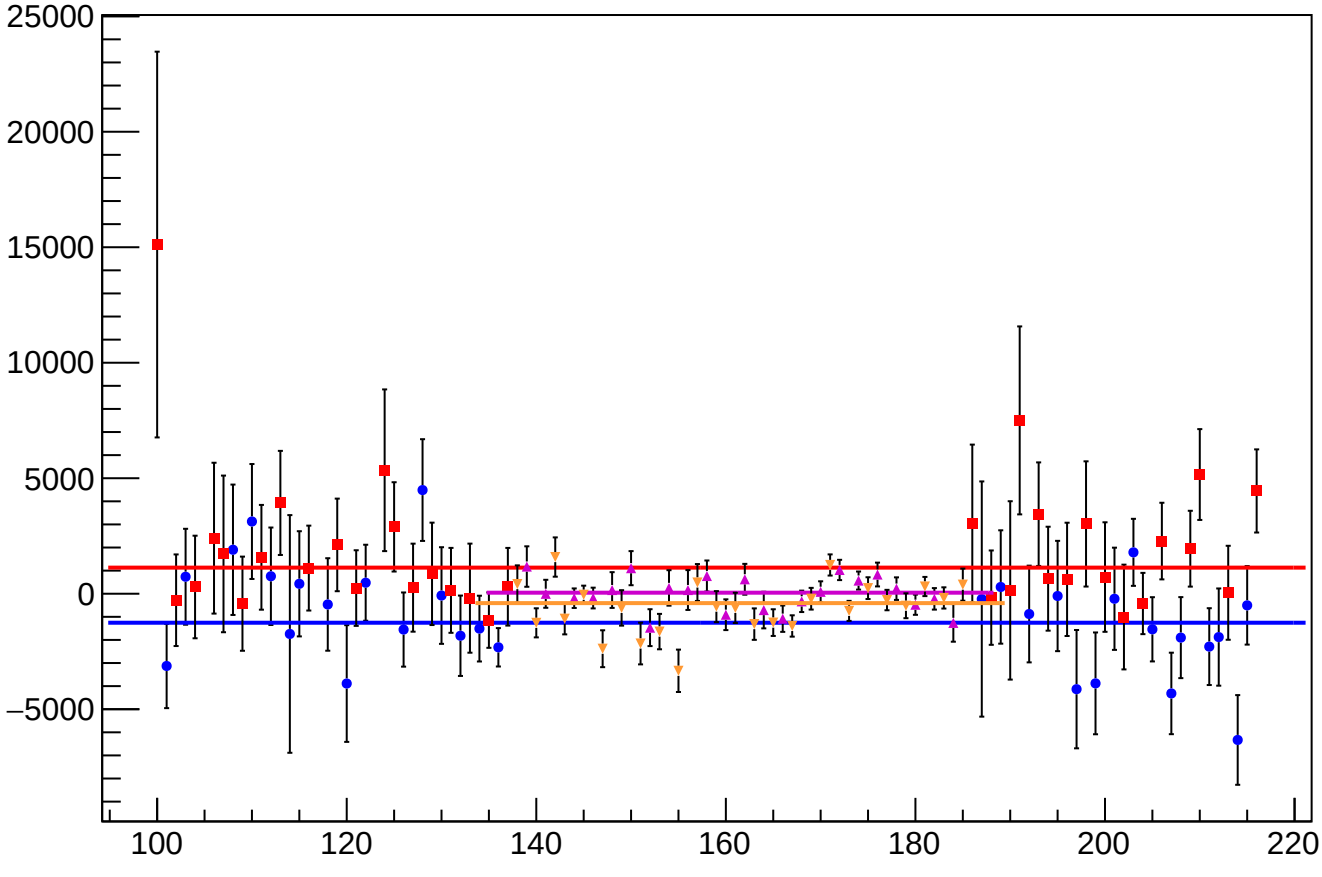
Right: 112.596+/-0.014 χ^2/NDF: 11693208.5/65

In: 69.001+/-0.009 χ^2/NDF:11819077.1/53

Out: 68.253+/-0.009 χ^2/NDF:13635828.0/59

All: 68.619+/-0.006 χ^2/NDF: 25458632.5/113

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1129.892+/-349.386 χ^2/NDF: 29.1/34

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

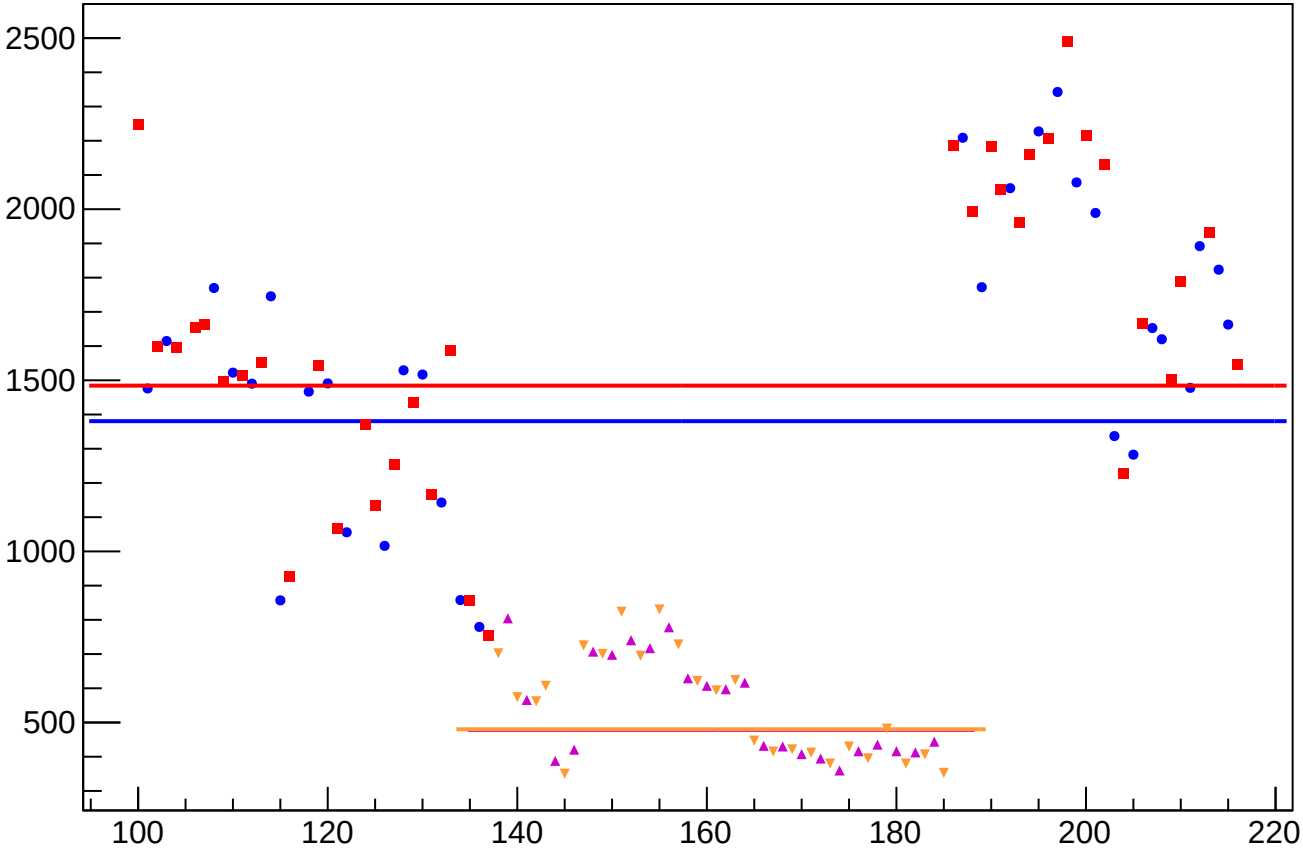
Right: -128.912+/-240.111 χ^2/NDF: 91.4/65

In: -97.252+/-109.258 χ^2/NDF:82.6/53

Out: -259.753+/-107.919 χ^2/NDF:109.8/59

All: -179.504+/-76.779 χ^2/NDF: 193.5/113

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1484.413+/-0.247 χ^2/NDF: 3075128.0/34

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

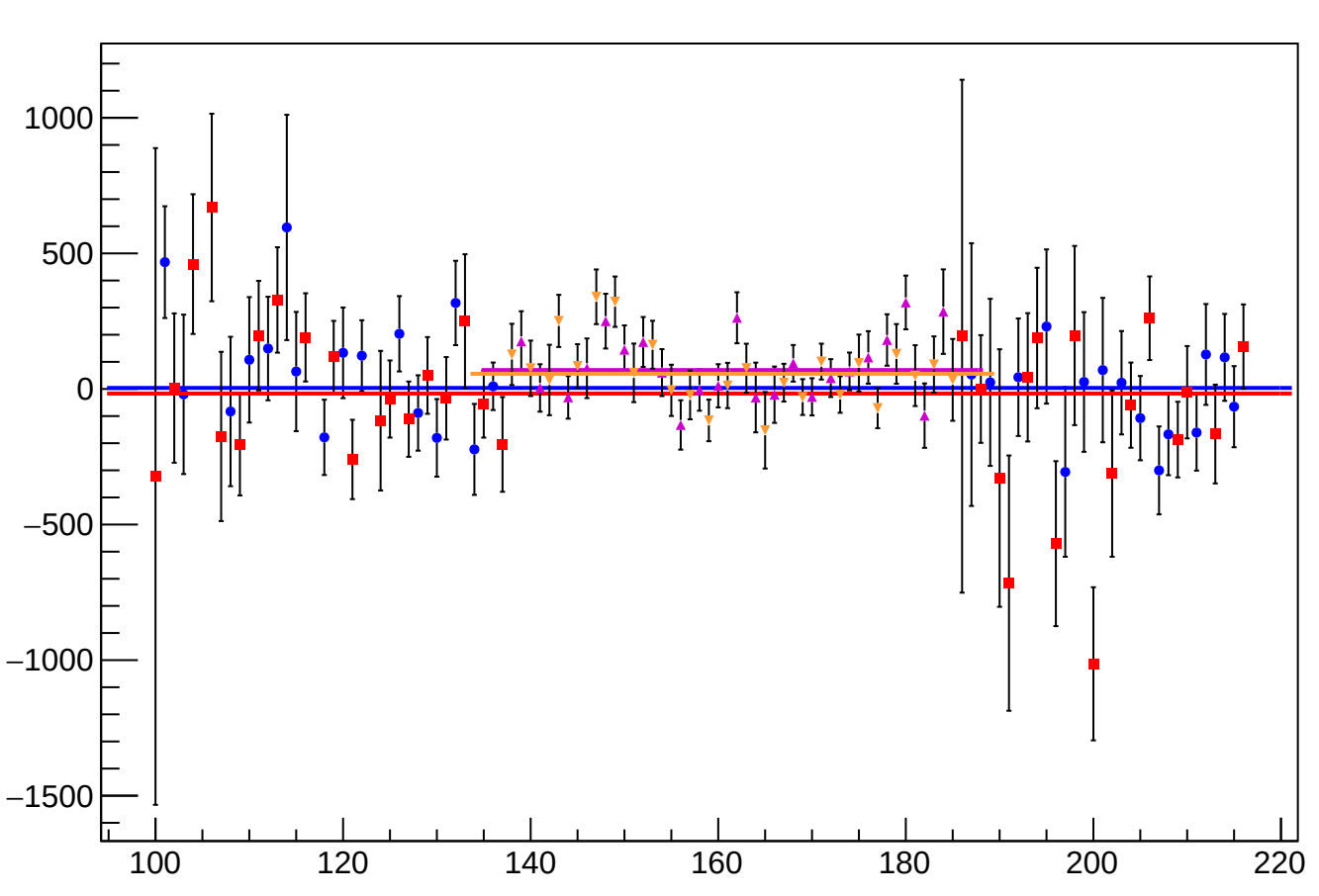
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1429.621+/-0.170 χ^2/NDF: 6506172.6/65

In: 576.693+/-0.077 χ^2/NDF:18834696.5/53

Out: 575.976+/-0.076 χ^2/NDF:20604452.1/59

All: 576.330+/-0.054 χ^2/NDF: 39439192.3/11



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: -16.900+/-32.542 χ^2/NDF: 48.9/34

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

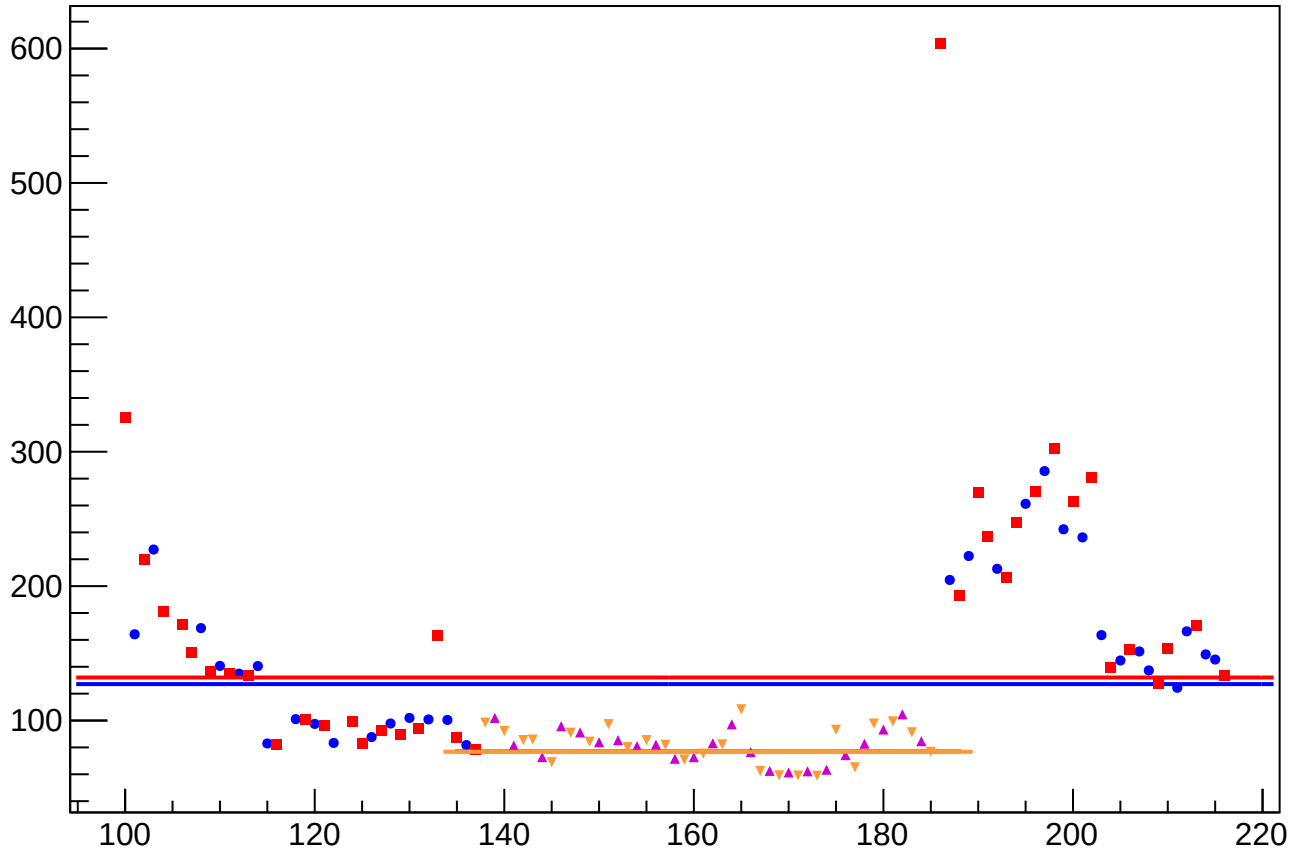
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -6.096+/-22.514 χ^2/NDF: 80.0/65

In: 52.657+/-15.908 χ^2/NDF:68.7/53

Out: 38.956+/-15.717 χ^2/NDF:91.1/59

All: 45.724+/-11.181 χ^2/NDF: 160.2/113



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: 132.005+/-0.023 χ^2/NDF: 5560839.3/34

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

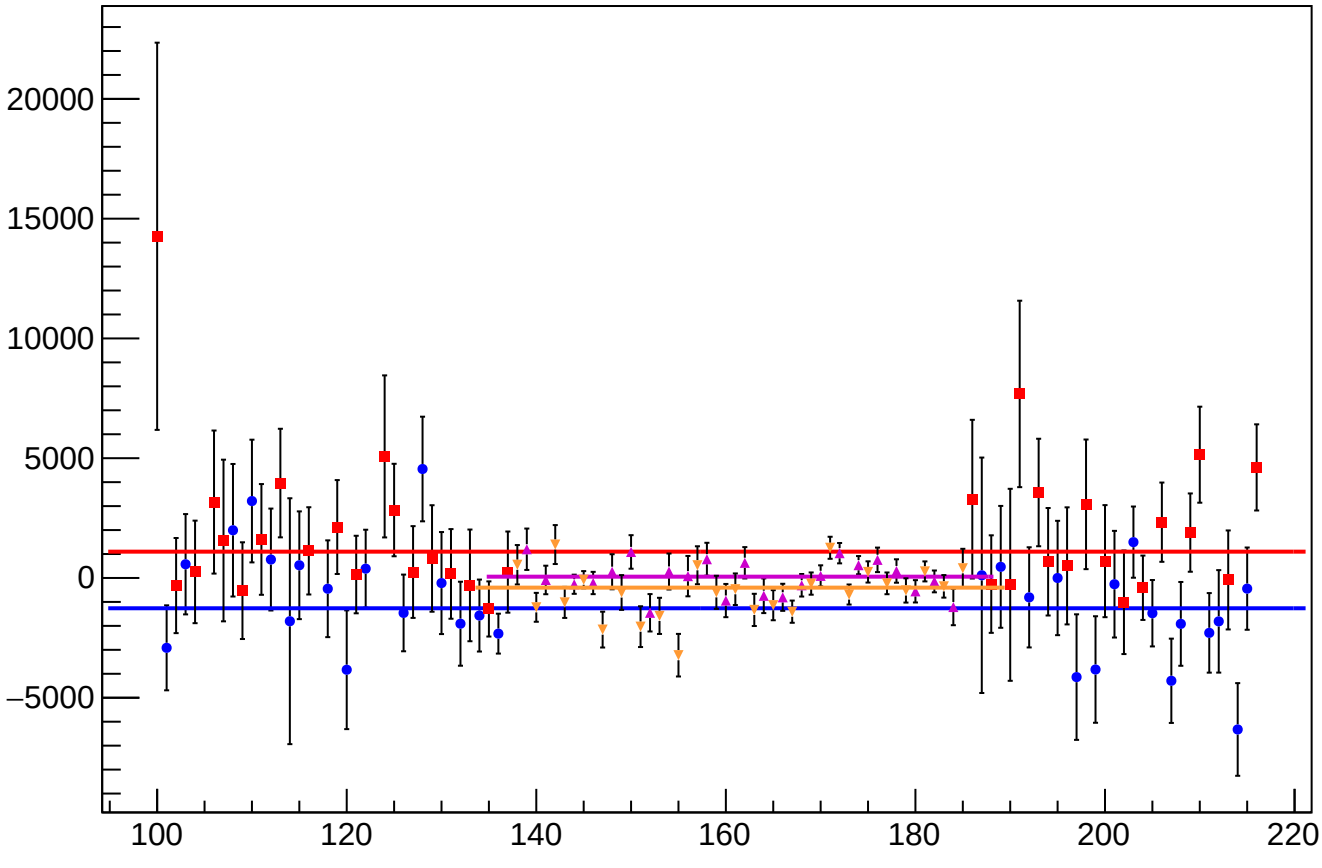
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 129.450+/-0.016 χ^2/NDF: 9894963.2/65

In: 90.056+/-0.011 χ^2/NDF:8986852.2/53

Out: 89.634+/-0.011 χ^2/NDF:11217565.6/59

All: 89.843+/-0.008 χ^2/NDF: 20205130.1/113



Right In: -1264.890+/-332.191 χ^2/NDF: 36.7/30

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 1098.609+/-346.988 χ^2/NDF: 31.3/34

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

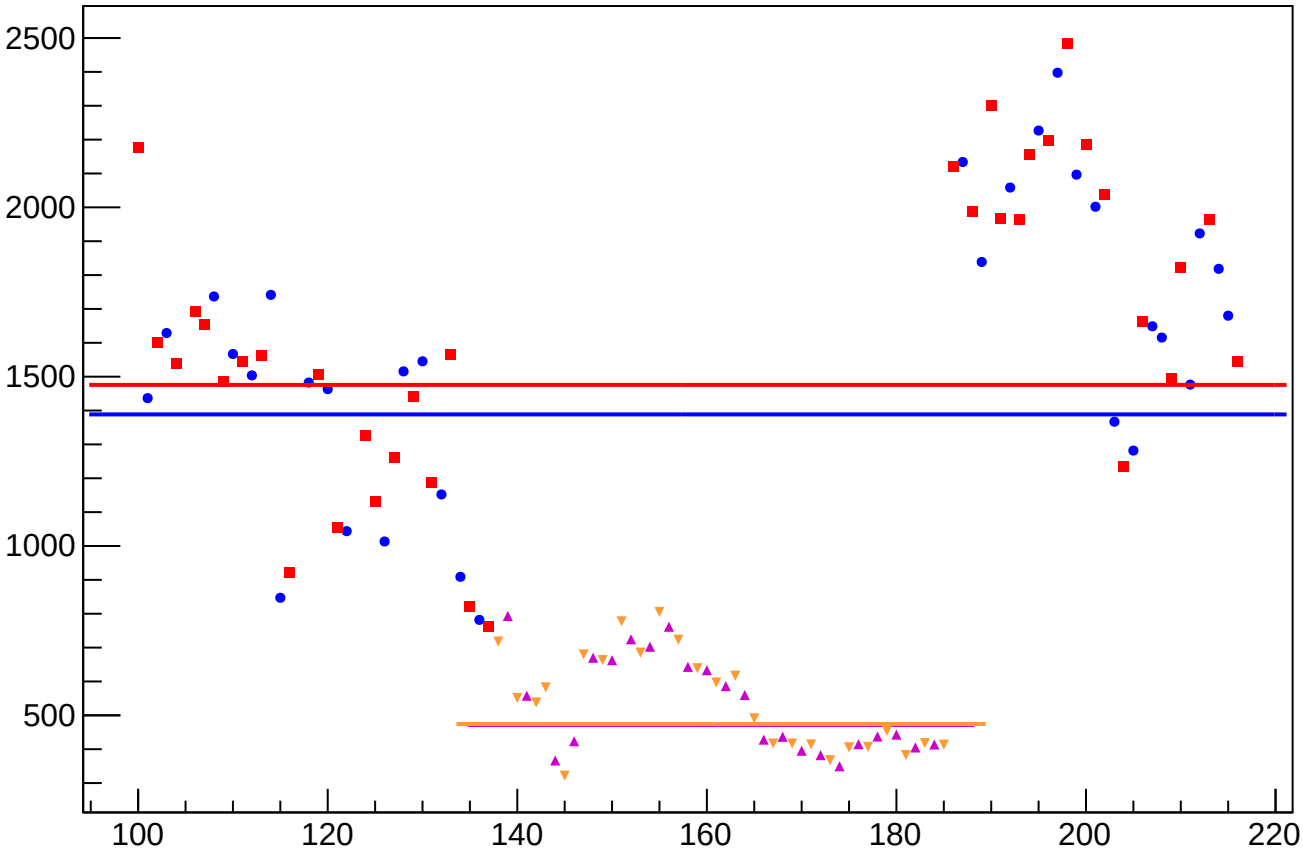
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -134.610+/-239.955 χ^2/NDF: 92.2/65

In: -85.276+/-108.016 χ^2/NDF:81.5/53

Out: -262.175+/-106.390 χ^2/NDF:109.0/59

All: -175.067+/-75.797 χ^2/NDF: 191.9/113



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: 1475.740+/-0.245 χ^2/NDF: 3142973.3/34

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

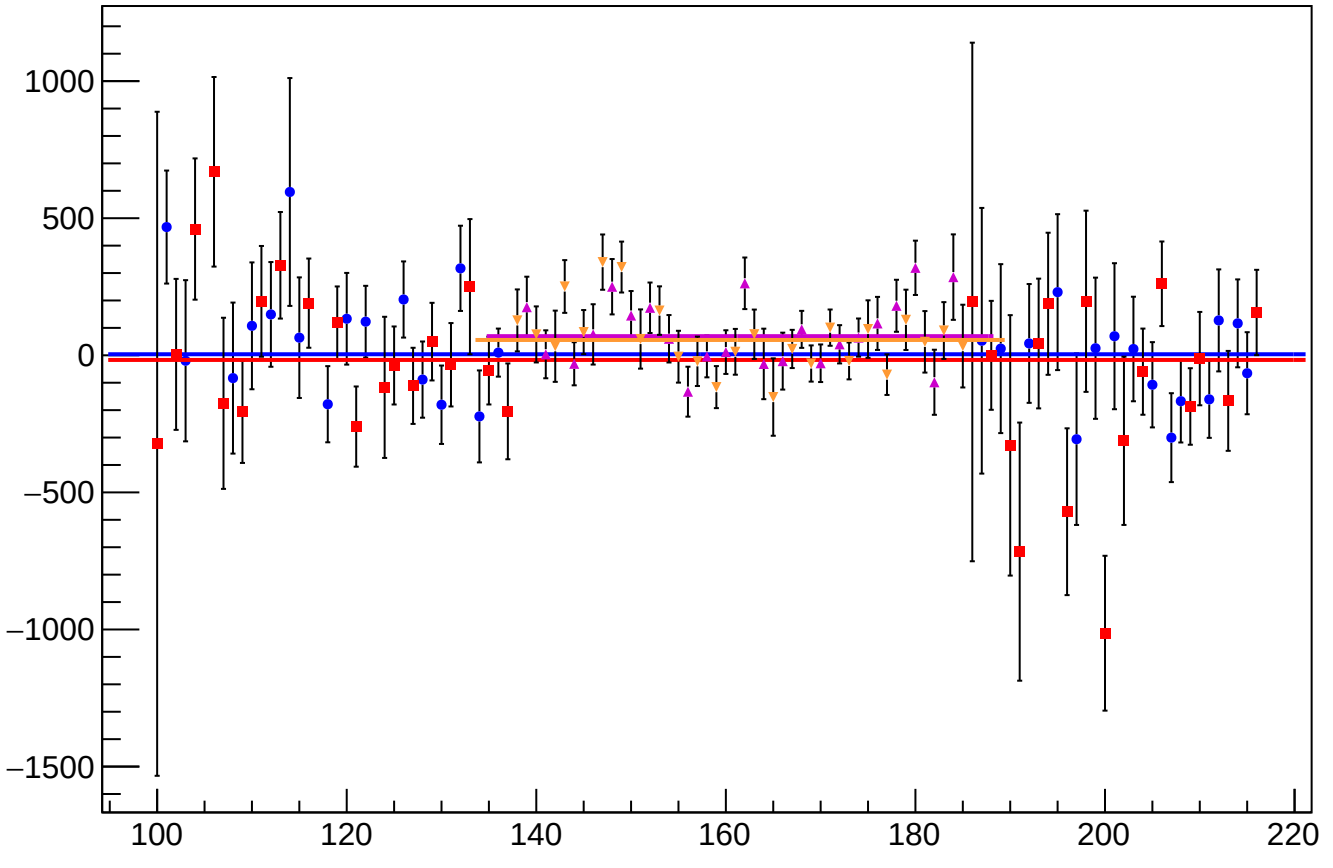
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1430.252+/-0.170 χ^2/NDF: 6522484.4/65

In: 568.423+/-0.076 χ^2/NDF:19155059.7/53

Out: 568.439+/-0.075 χ^2/NDF:20775117.3/59

All: 568.431+/-0.054 χ^2/NDF: 39930177.0/11



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: -16.903+/-32.542 χ^2/NDF: 48.9/34

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

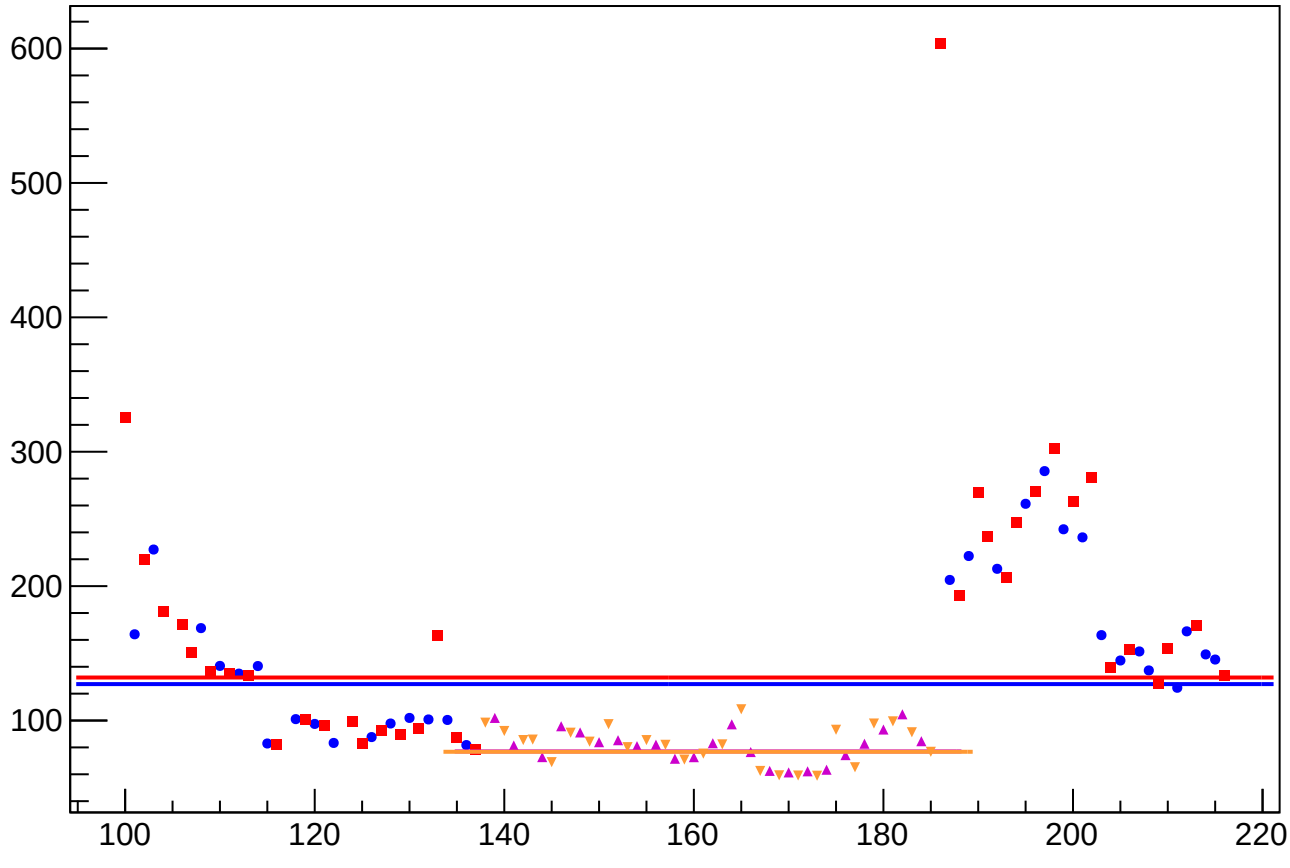
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -6.097+/-22.513 χ^2/NDF: 80.0/65

In: 52.657+/-15.908 χ^2/NDF:68.7/53

Out: 38.955+/-15.717 χ^2/NDF:91.1/59

All: 45.723+/-11.181 χ^2/NDF: 160.2/113



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: 132.005+/-0.023 χ^2/NDF: 5560850.1/34

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

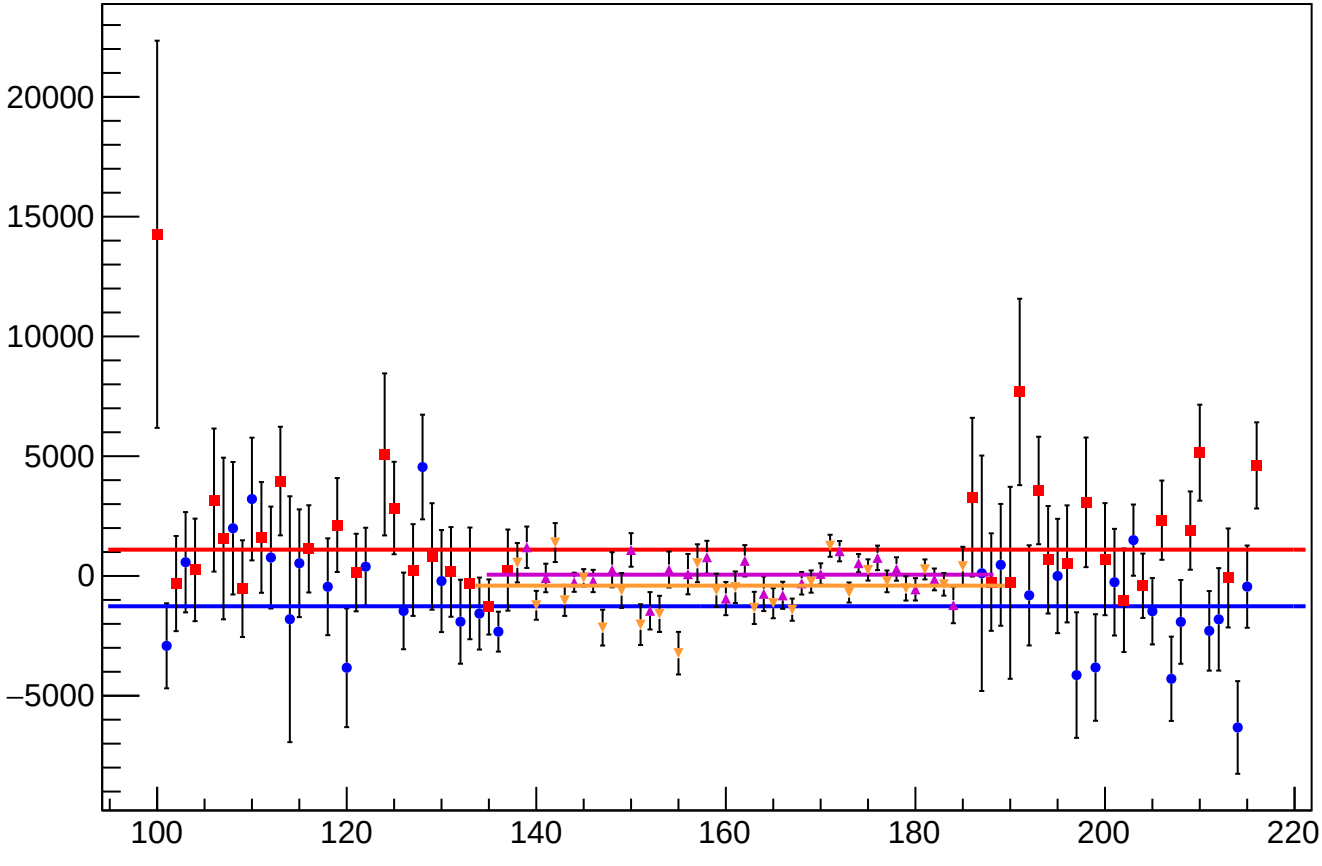
Right: 129.450+/-0.016 χ^2/NDF: 9894988.1/65

In: 90.056+/-0.011 χ^2/NDF:8986782.3/53

Out: 89.634+/-0.011 χ^2/NDF:11217515.1/59

All: 89.843+/-0.008 χ^2/NDF: 20205009.7/113

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: 1098.608+/-346.988 χ^2/NDF: 31.3/34

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

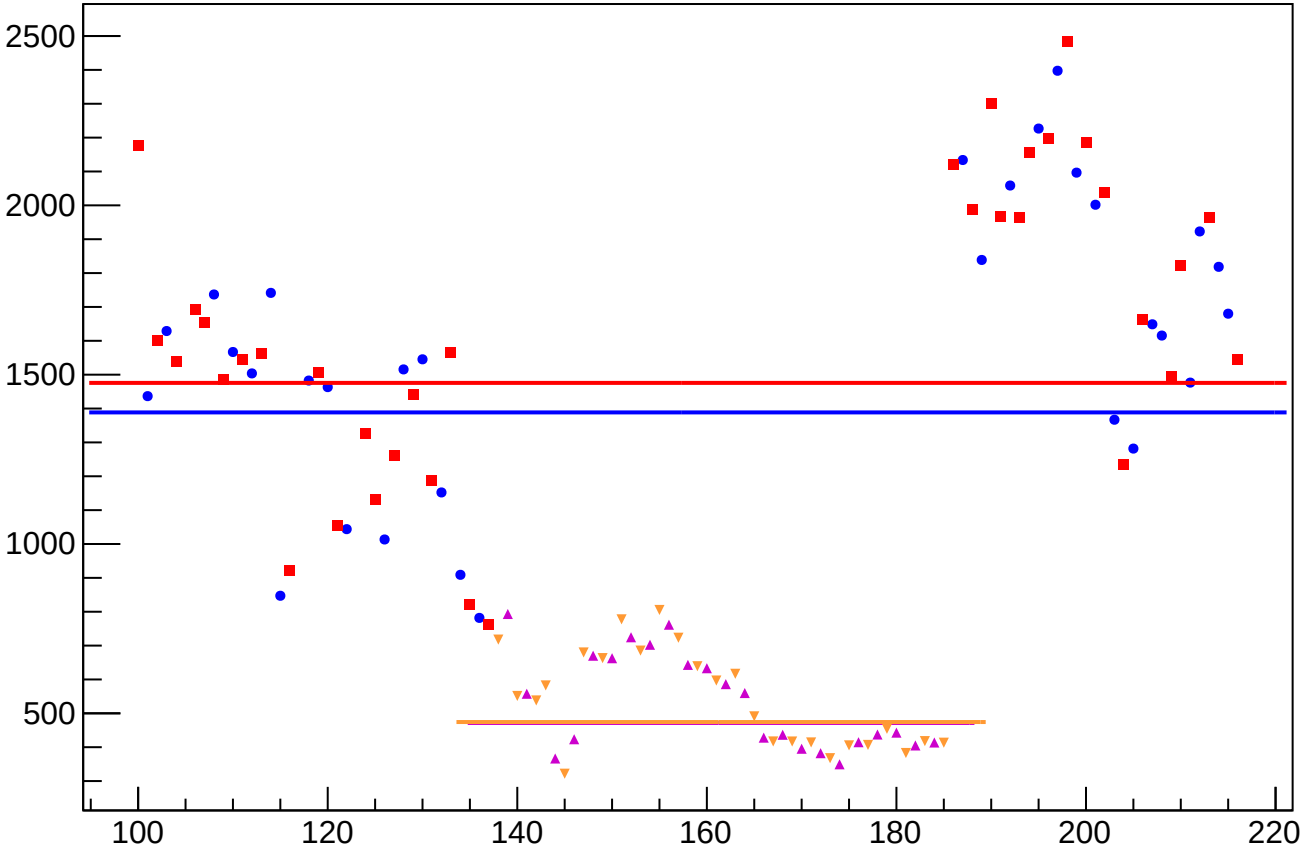
Right: -134.609+/-239.955 χ^2/NDF: 92.2/65

In: -85.276+/-108.016 χ^2/NDF:81.5/53

Out: -262.174+/-106.390 χ^2/NDF:109.0/59

All: -175.067+/-75.797 χ^2/NDF: 191.9/113

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1388.560+/-0.235 χ^2/NDF: 3313631.1/30

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1475.738+/-0.245 χ^2/NDF: 3142969.9/34

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

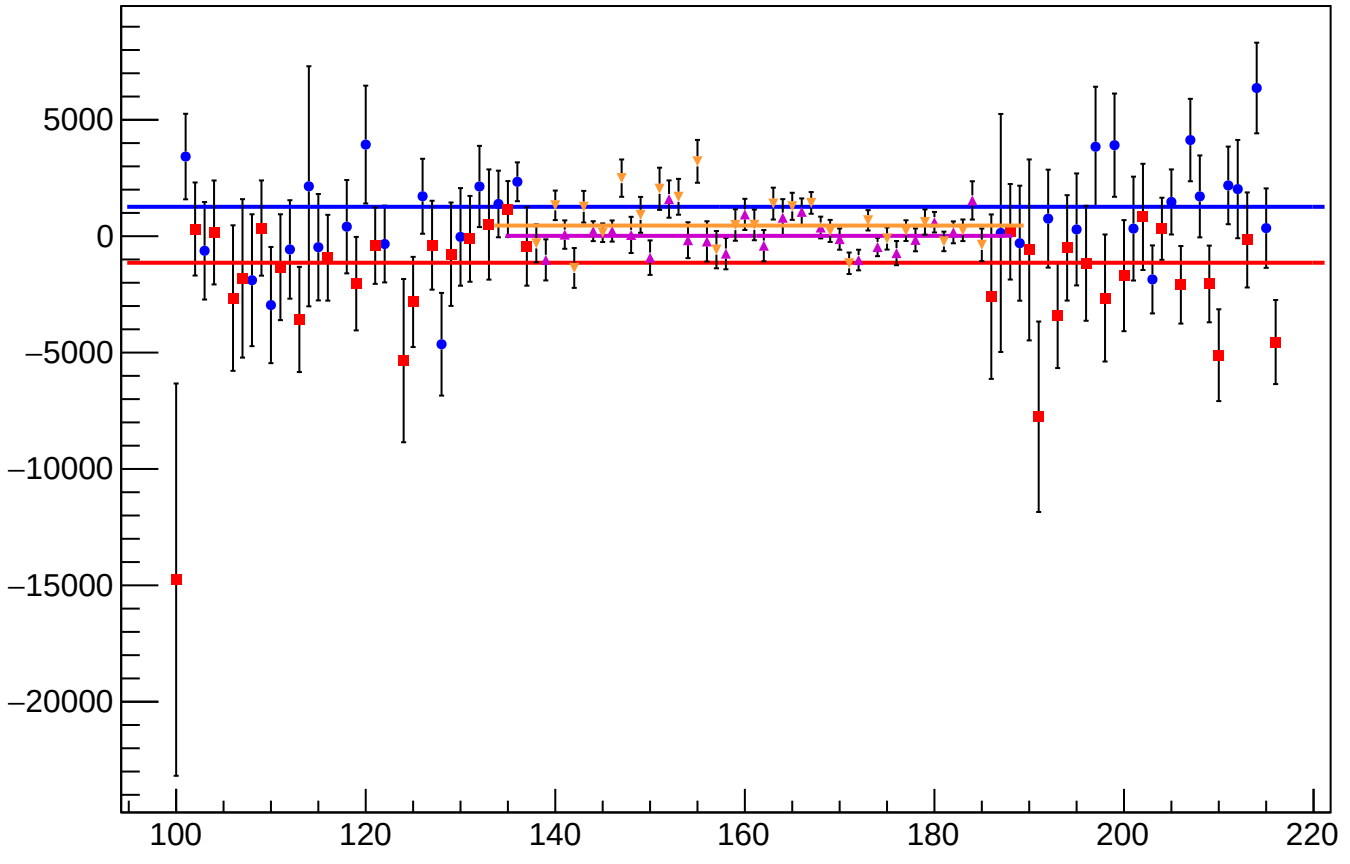
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1430.251+/-0.170 χ^2/NDF: 6522473.1/65

In: 568.422+/-0.076 χ^2/NDF:19155045.7/53

Out: 568.439+/-0.075 χ^2/NDF:20775116.9/59

All: 568.431+/-0.054 χ^2/NDF: 39930162.6/11



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: -1140.358+/-350.733 χ^2/NDF: 28.0/34

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

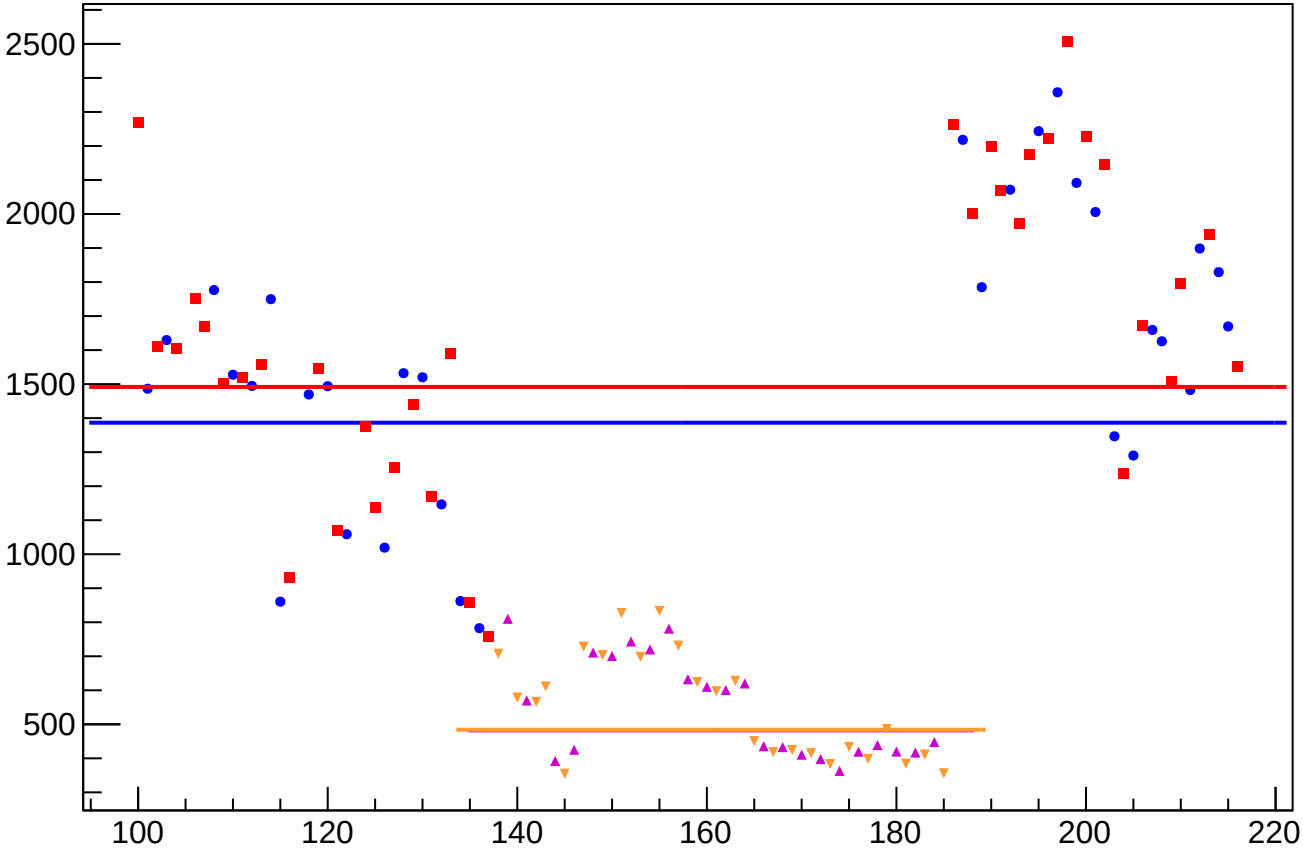
Right: 127.001+/-241.116 χ^2/NDF: 90.3/65

In: 152.278+/-110.098 χ^2/NDF:80.4/53

Out: 303.776+/-108.719 χ^2/NDF:106.1/59

All: 228.982+/-77.359 χ^2/NDF: 187.5/113

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: 1491.756+/-0.248 χ^2/NDF: 3112489.5/34

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

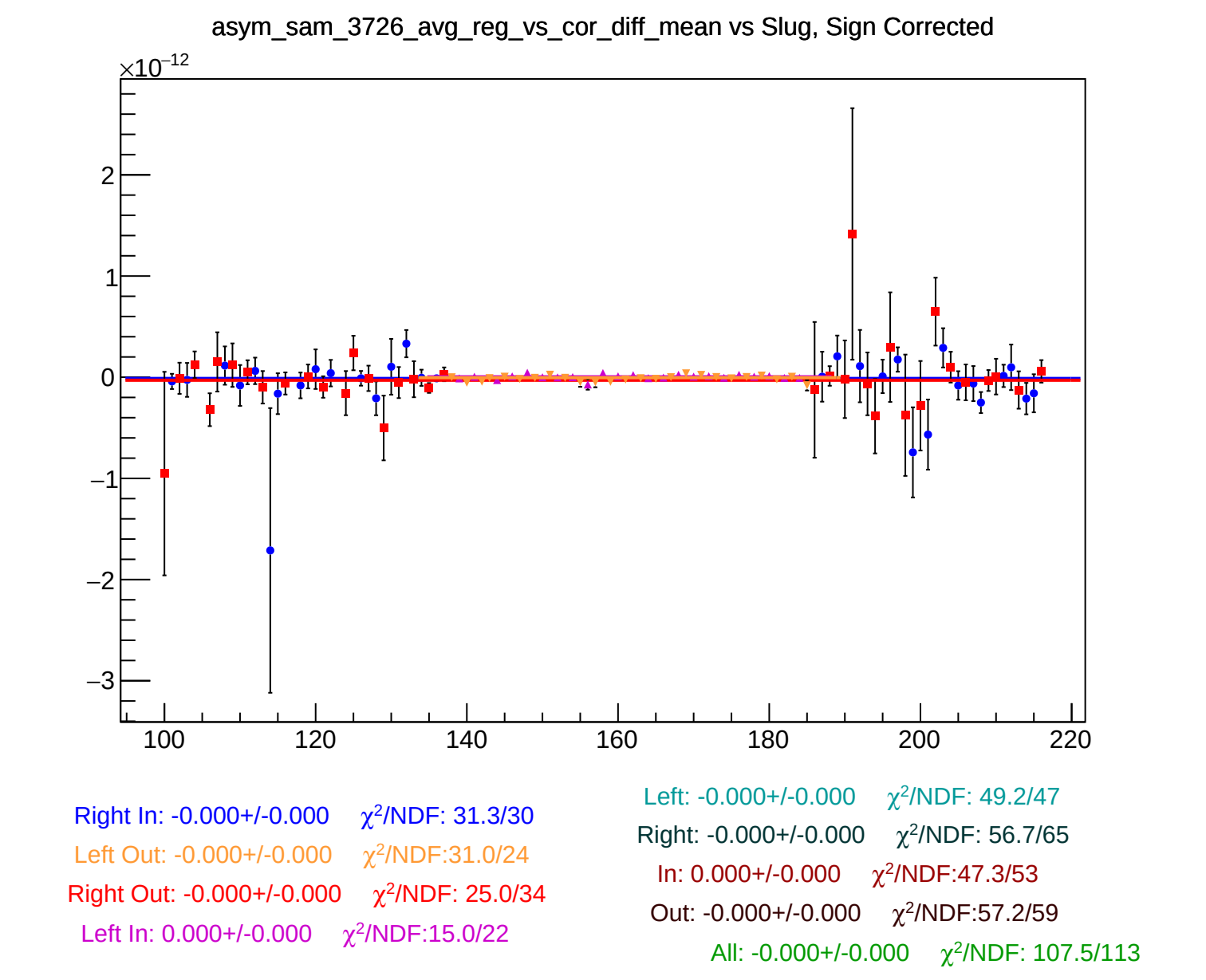
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

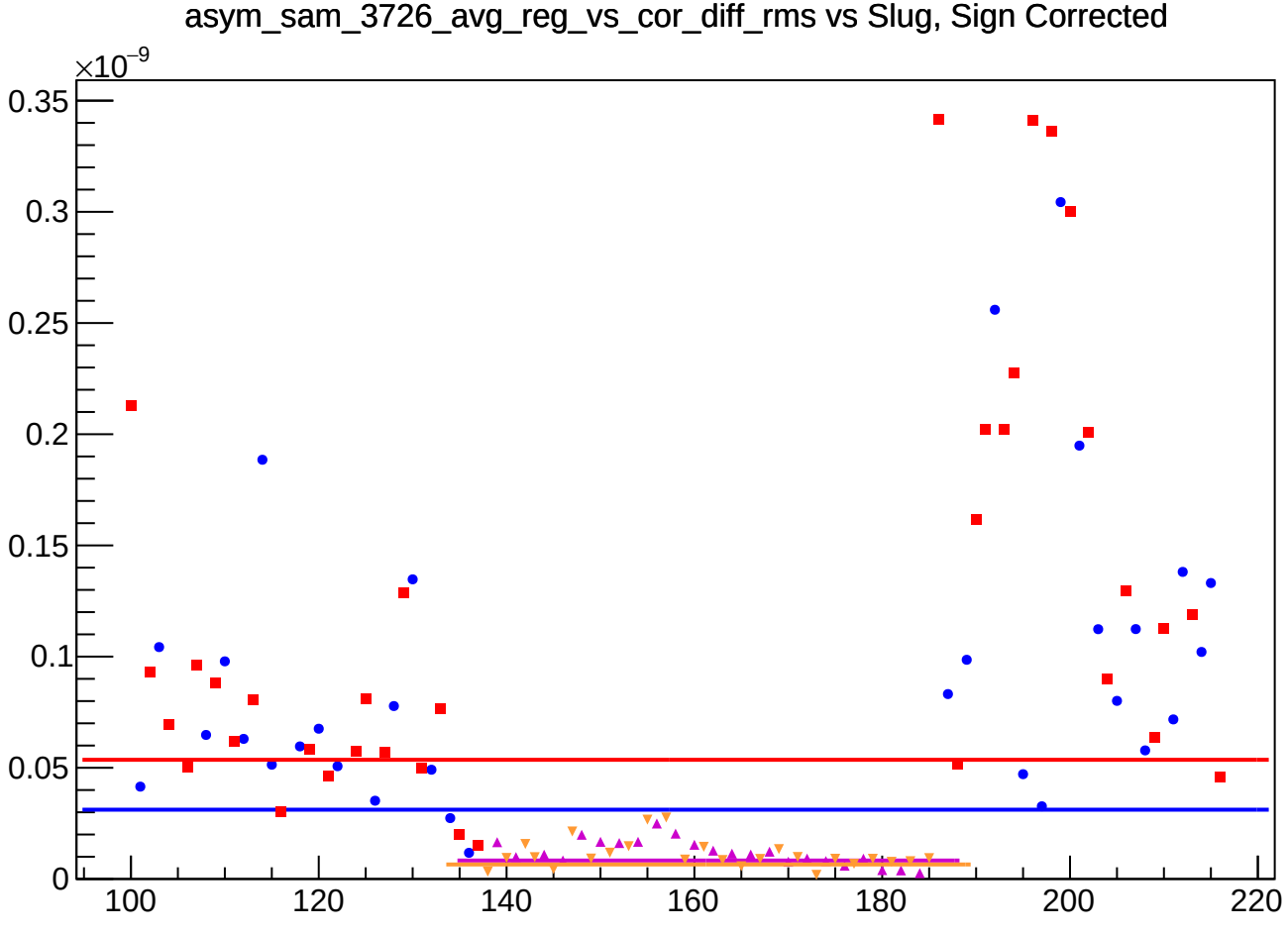
Right: 1436.304+/-0.170 χ^2/NDF: 6554199.7/65

In: 581.614+/-0.078 χ^2/NDF:18743328.9/53

Out: 580.946+/-0.077 χ^2/NDF:20582176.9/59

All: 581.276+/-0.055 χ^2/NDF: 39325543.0/11


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: 25.0/34
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: 56.7/65
In: 0.000+/-0.000 χ²/NDF:47.3/53
Out: -0.000+/-0.000 χ²/NDF:57.2/59
All: -0.000+/-0.000 χ²/NDF: 107.5/113



Right In: 0.000+/-0.000 χ^2/NDF: 8545273.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6715054.6/34

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

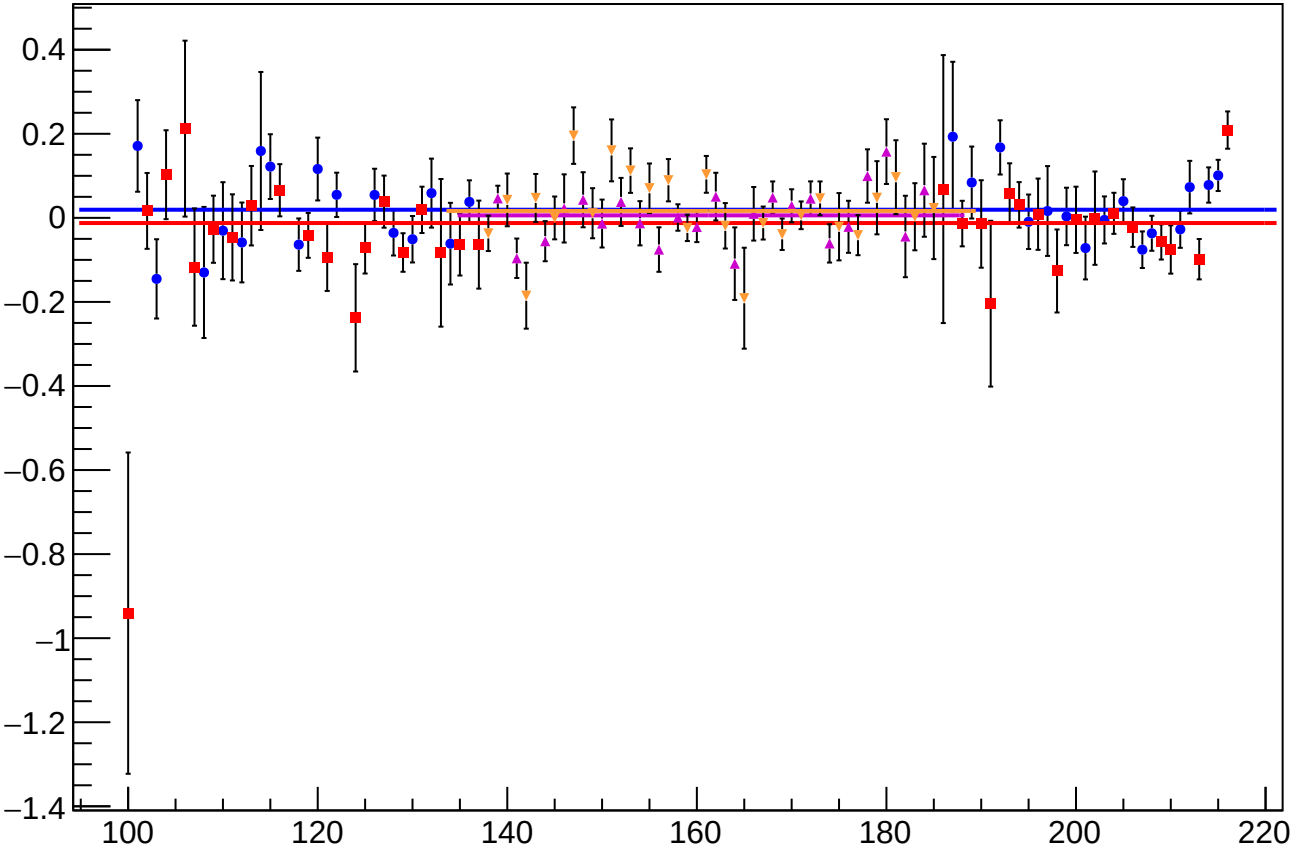
Right: 0.000+/-0.000 χ^2/NDF: 16510270.0/65

In: 0.000+/-0.000 χ^2/NDF:15171383.4/53

Out: 0.000+/-0.000 χ^2/NDF:18413815.6/59

All: 0.000+/-0.000 χ^2/NDF: 33969617.8/113

asym_sam_3726_avg_dit_vs_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: -0.012+/-0.012 χ^2/NDF: 55.1/34

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

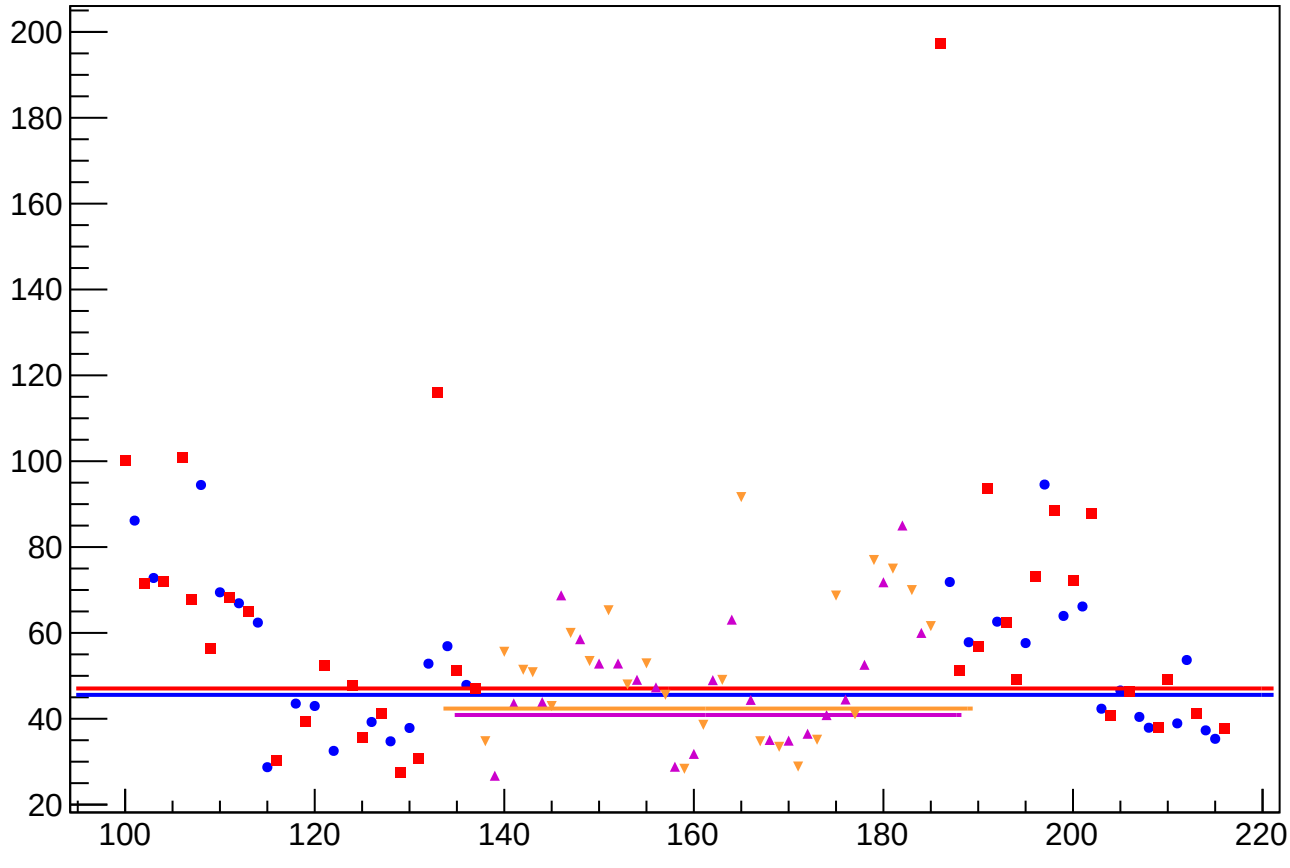
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.004+/-0.008 χ^2/NDF: 100.1/65

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: 0.004+/-0.008 χ^2/NDF:99.6/59

All: 0.008+/-0.005 χ^2/NDF: 168.1/113



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: 47.055+/-0.008 χ^2/NDF: 3738500.5/34

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

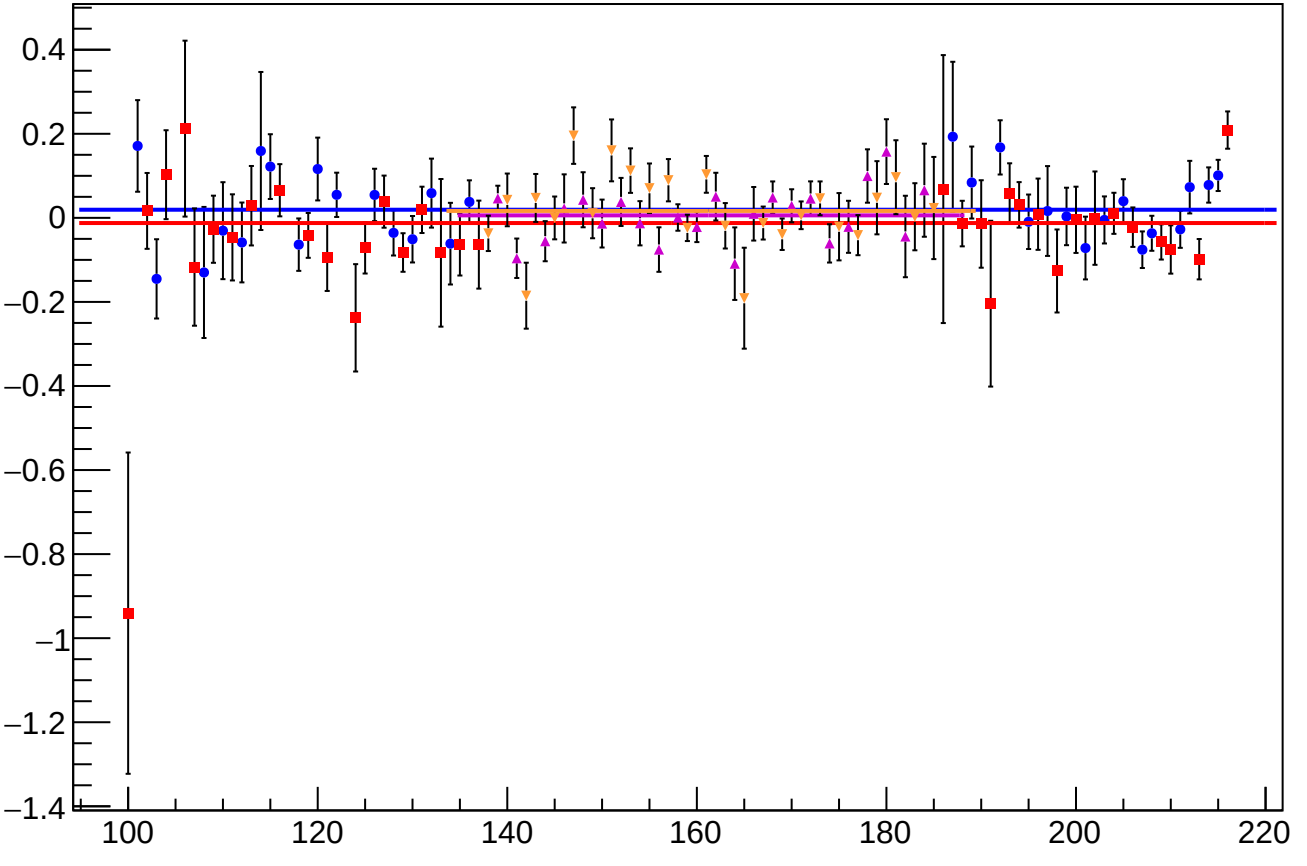
Right: 46.278+/-0.006 χ^2/NDF: 6431996.8/65

In: 43.022+/-0.005 χ^2/NDF:5544772.2/53

Out: 44.428+/-0.005 χ^2/NDF:7108976.8/59

All: 43.709+/-0.004 χ^2/NDF: 12687404.9/113

asym_sam_3726_avg_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: -0.012+/-0.012 χ^2/NDF: 55.1/34

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

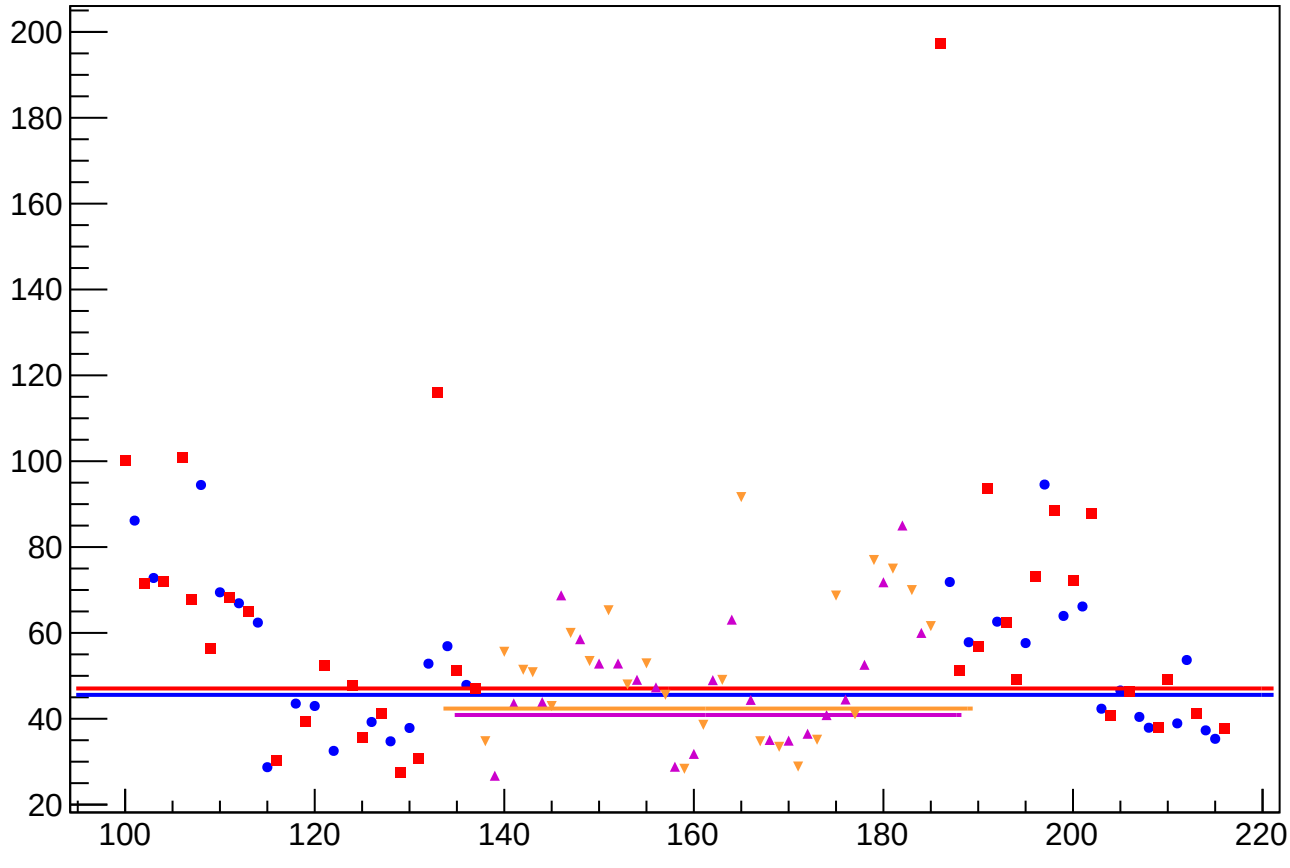
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.004+/-0.008 χ^2/NDF: 100.1/65

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: 0.004+/-0.008 χ^2/NDF:99.6/59

All: 0.008+/-0.005 χ^2/NDF: 168.1/113



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: 47.055+/-0.008 χ^2/NDF: 3738500.5/34

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

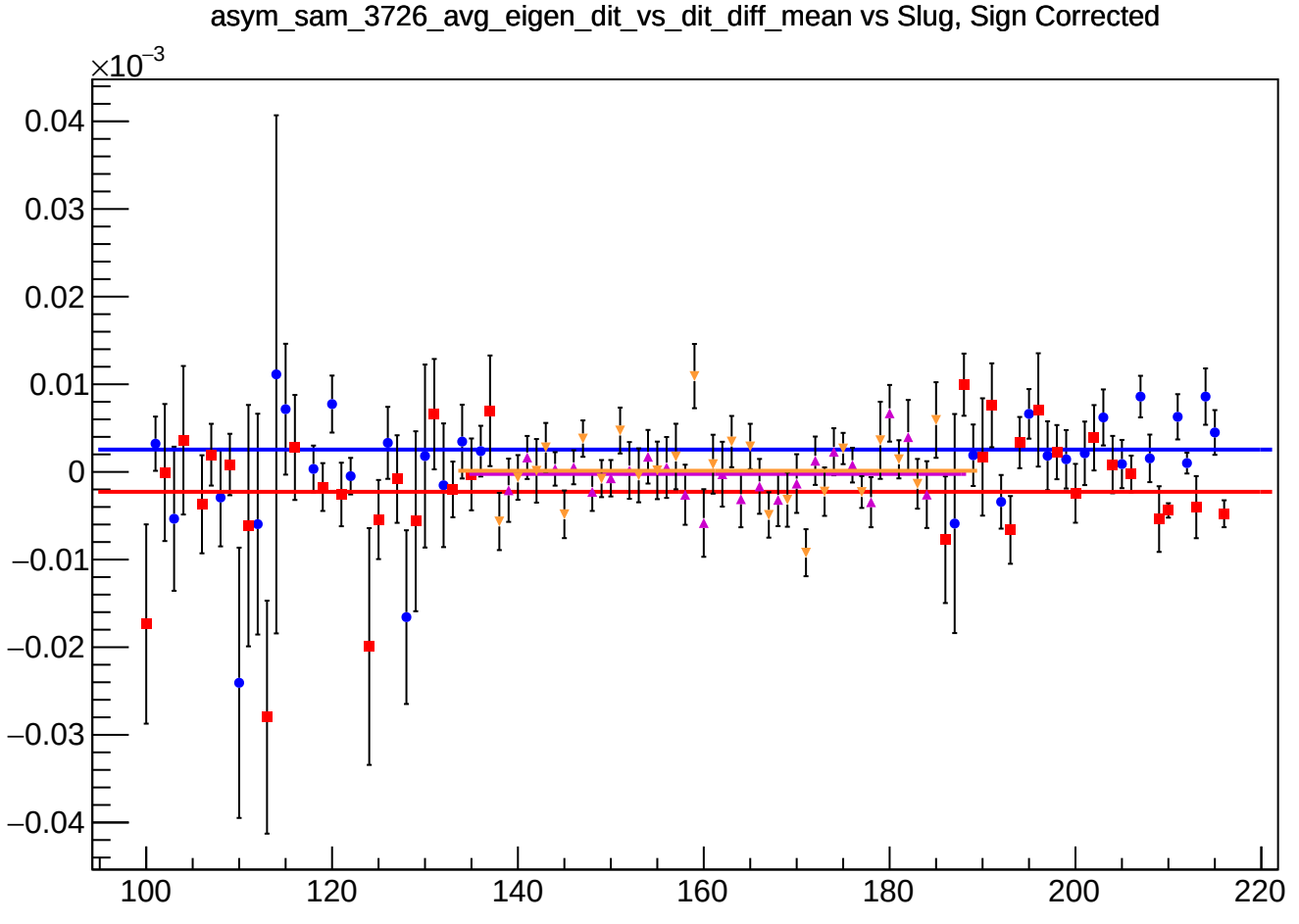
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

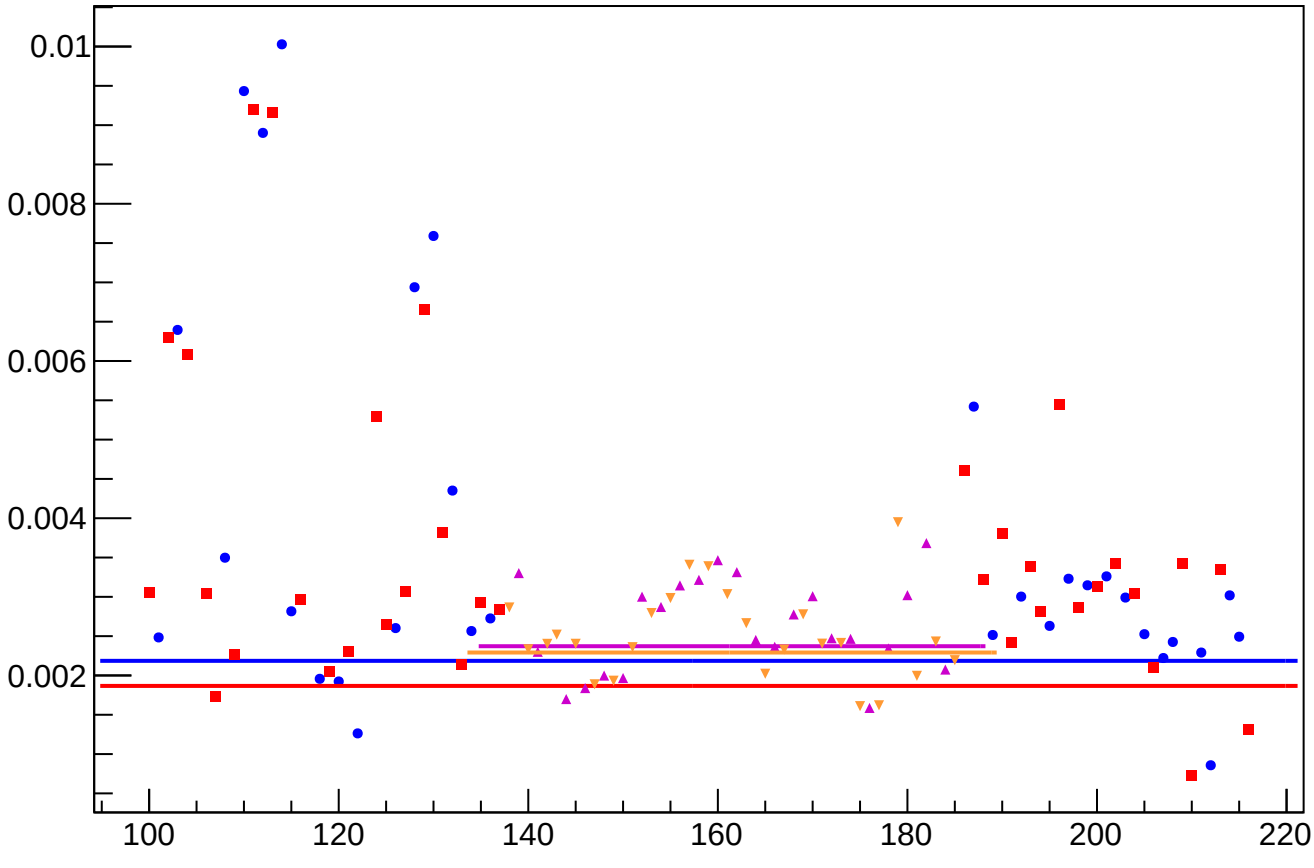
Right: 46.278+/-0.006 χ^2/NDF: 6431996.8/65

In: 43.022+/-0.005 χ^2/NDF:5544772.2/53

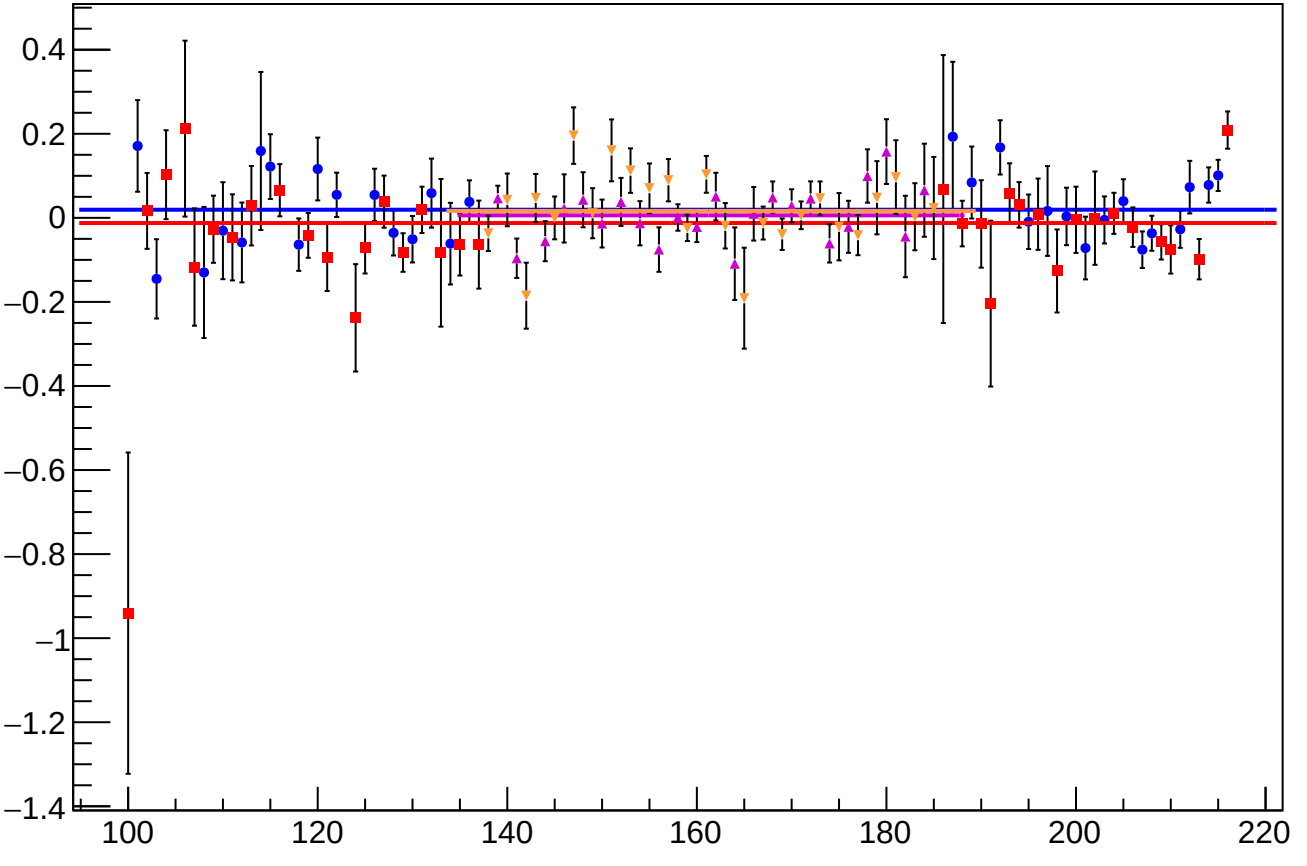
Out: 44.428+/-0.005 χ^2/NDF:7108976.8/59

All: 43.709+/-0.004 χ^2/NDF: 12687404.9/113


asym_sam_3726_avg_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
−0.04
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:49.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 57.1/34
Left In: -0.000+/-0.000 χ²/NDF:15.8/22
Left: -0.000+/-0.000 χ²/NDF: 66.0/47
Right: -0.000+/-0.000 χ²/NDF: 135.0/65
In: 0.000+/-0.000 χ²/NDF:65.7/53
Out: -0.000+/-0.000 χ²/NDF:117.5/59
All: -0.000+/-0.000 χ²/NDF: 200.9/113


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 7201335.6/30
Left Out: 0.002+/-0.000 χ²/NDF:1818891.6/24
Right Out: 0.002+/-0.000 χ²/NDF: 11538919.4/34
Left In: 0.002+/-0.000 χ²/NDF:2020314.6/22
Left: 0.002+/-0.000 χ²/NDF: 3859926.5/47
Right: 0.002+/-0.000 χ²/NDF: 19089494.9/65
In: 0.002+/-0.000 χ²/NDF:9327687.8/53
Out: 0.002+/-0.000 χ²/NDF:14013297.9/59
All: 0.002+/-0.000 χ²/NDF: 23627777.6/113

asym_sam_3726_avg_eigen_dit_vs_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: -0.012+/-0.012 χ^2/NDF: 55.1/34

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

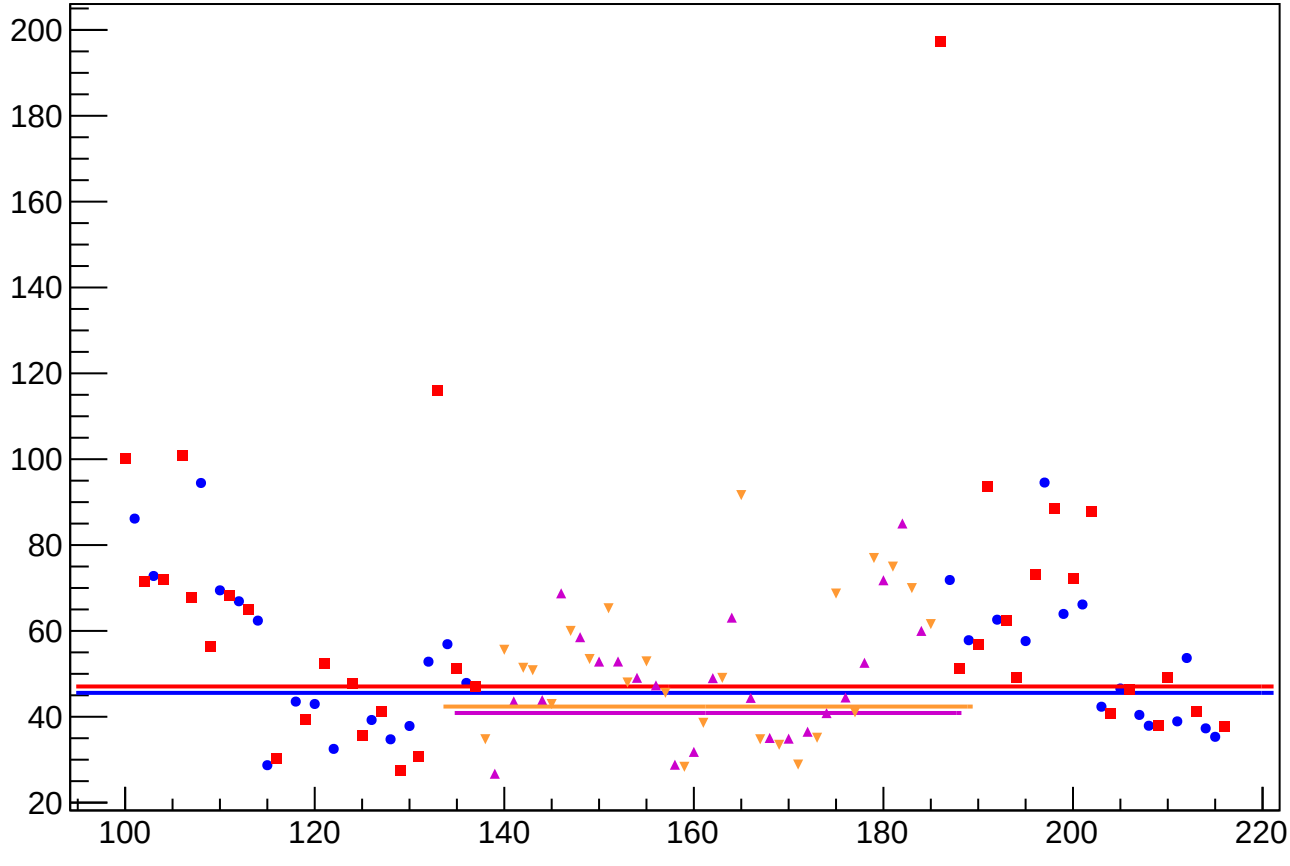
Right: 0.004+/-0.008 χ^2/NDF: 100.1/65

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: 0.004+/-0.008 χ^2/NDF:99.6/59

All: 0.008+/-0.005 χ^2/NDF: 168.1/113

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: 47.055+/-0.008 χ^2/NDF: 3738444.6/34

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

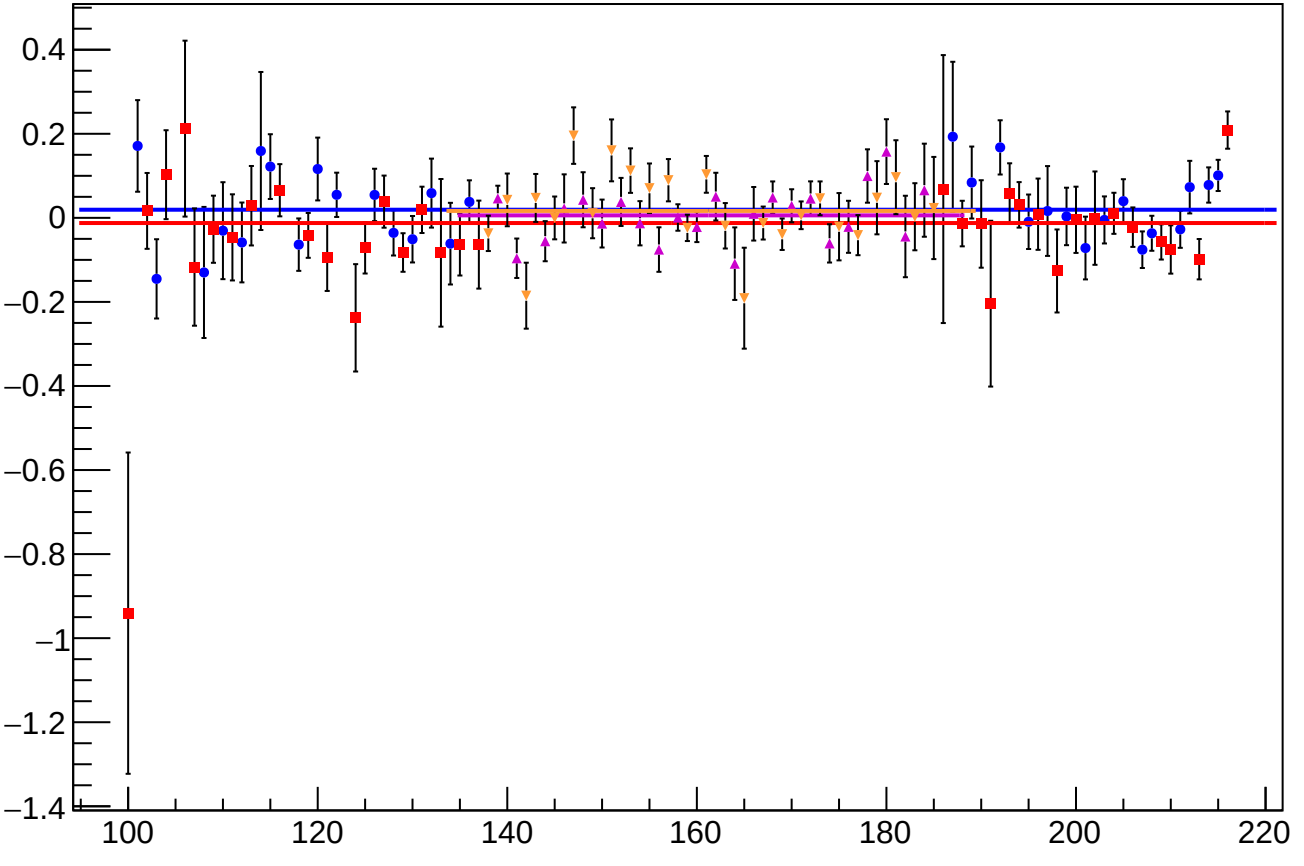
Right: 46.278+/-0.006 χ^2/NDF: 6431887.0/65

In: 43.023+/-0.005 χ^2/NDF:5544707.9/53

Out: 44.429+/-0.005 χ^2/NDF:7108925.1/59

All: 43.709+/-0.004 χ^2/NDF: 12687287.1/113

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: -0.012+/-0.012 χ^2/NDF: 55.1/34

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

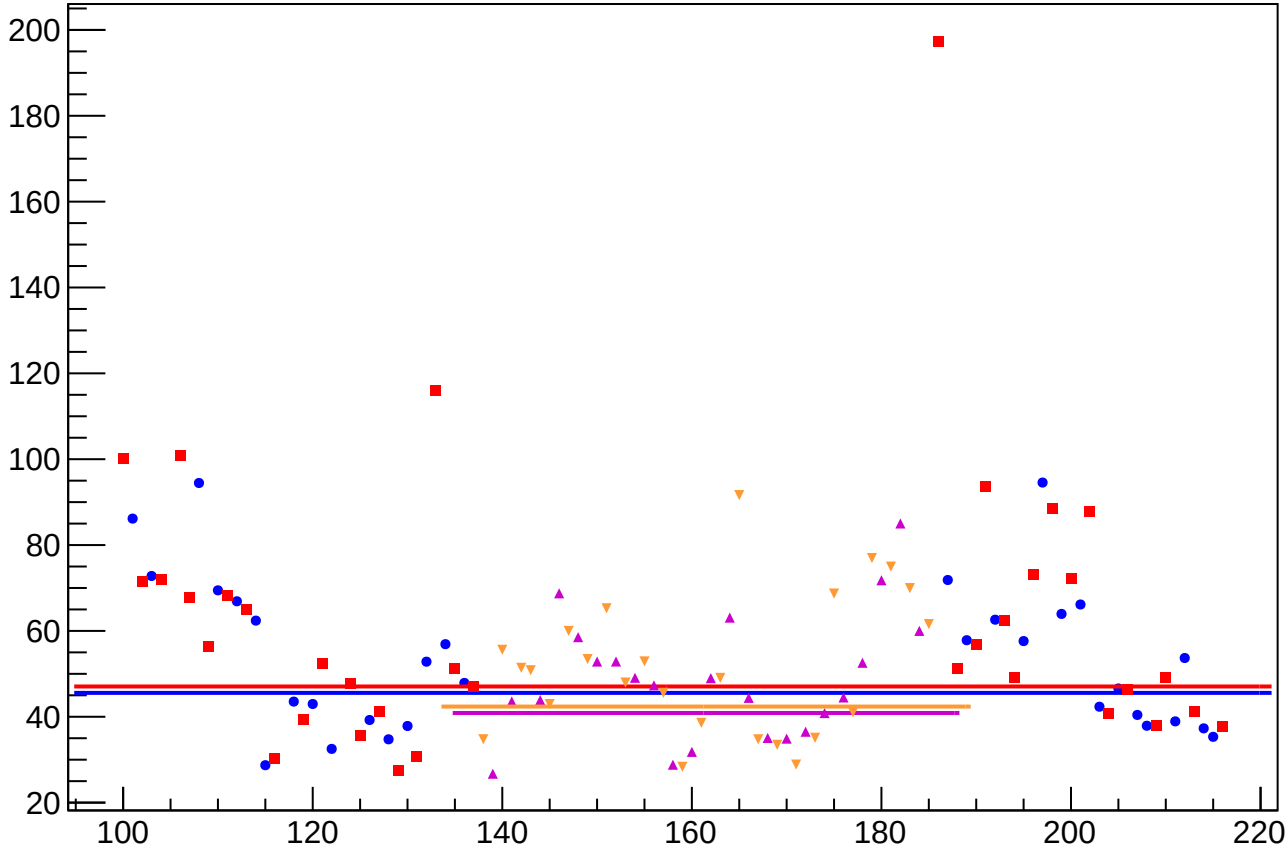
Right: 0.004+/-0.008 χ^2/NDF: 100.1/65

In: 0.012+/-0.008 χ^2/NDF:67.9/53

Out: 0.004+/-0.008 χ^2/NDF:99.6/59

All: 0.008+/-0.005 χ^2/NDF: 168.1/113

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: 47.055+/-0.008 χ^2/NDF: 3738444.6/34

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

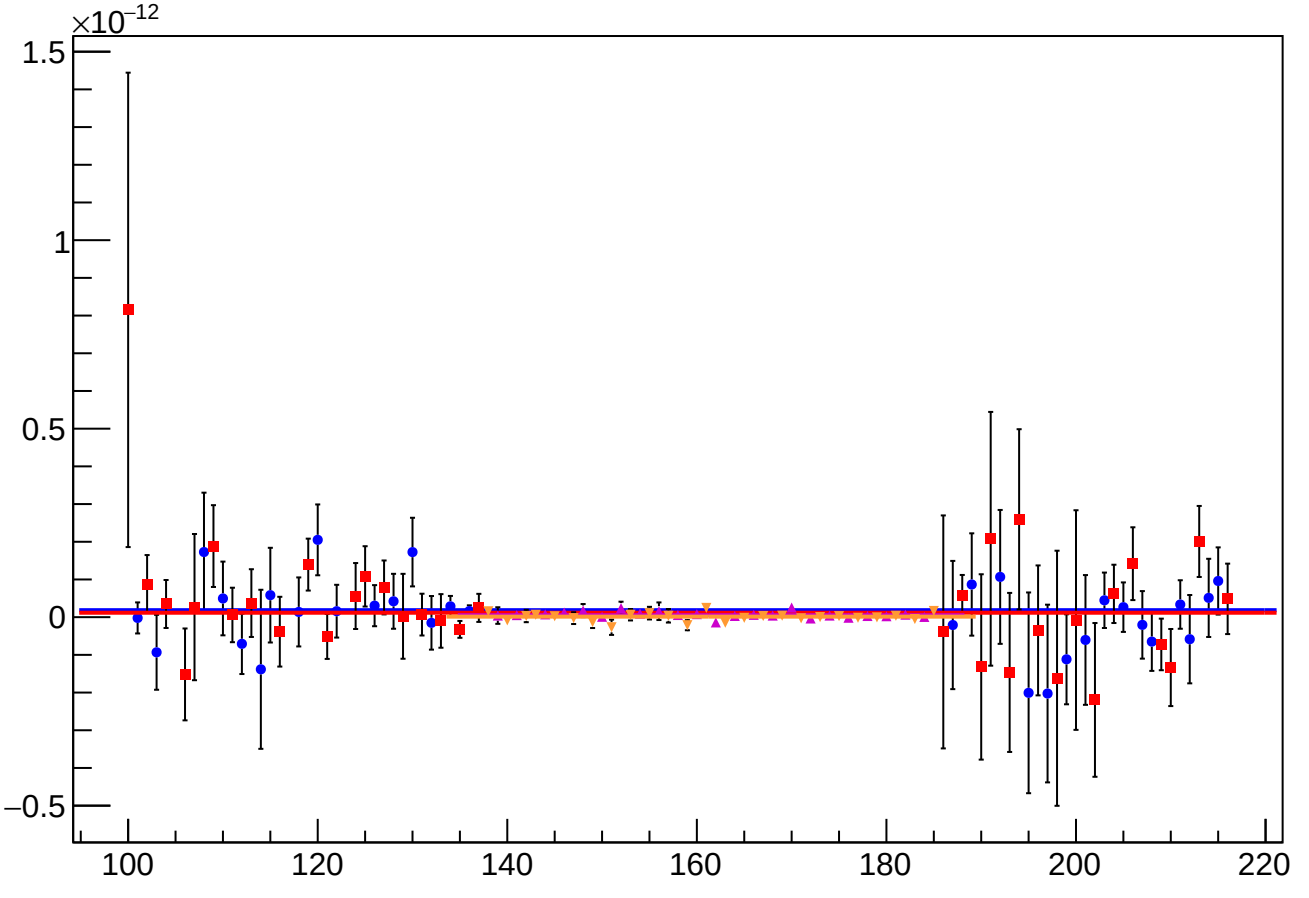
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 46.278+/-0.006 χ^2/NDF: 6431887.0/65

In: 43.023+/-0.005 χ^2/NDF:5544707.9/53

Out: 44.429+/-0.005 χ^2/NDF:7108925.1/59

All: 43.709+/-0.004 χ^2/NDF: 12687287.1/113



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: 33.4/34

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

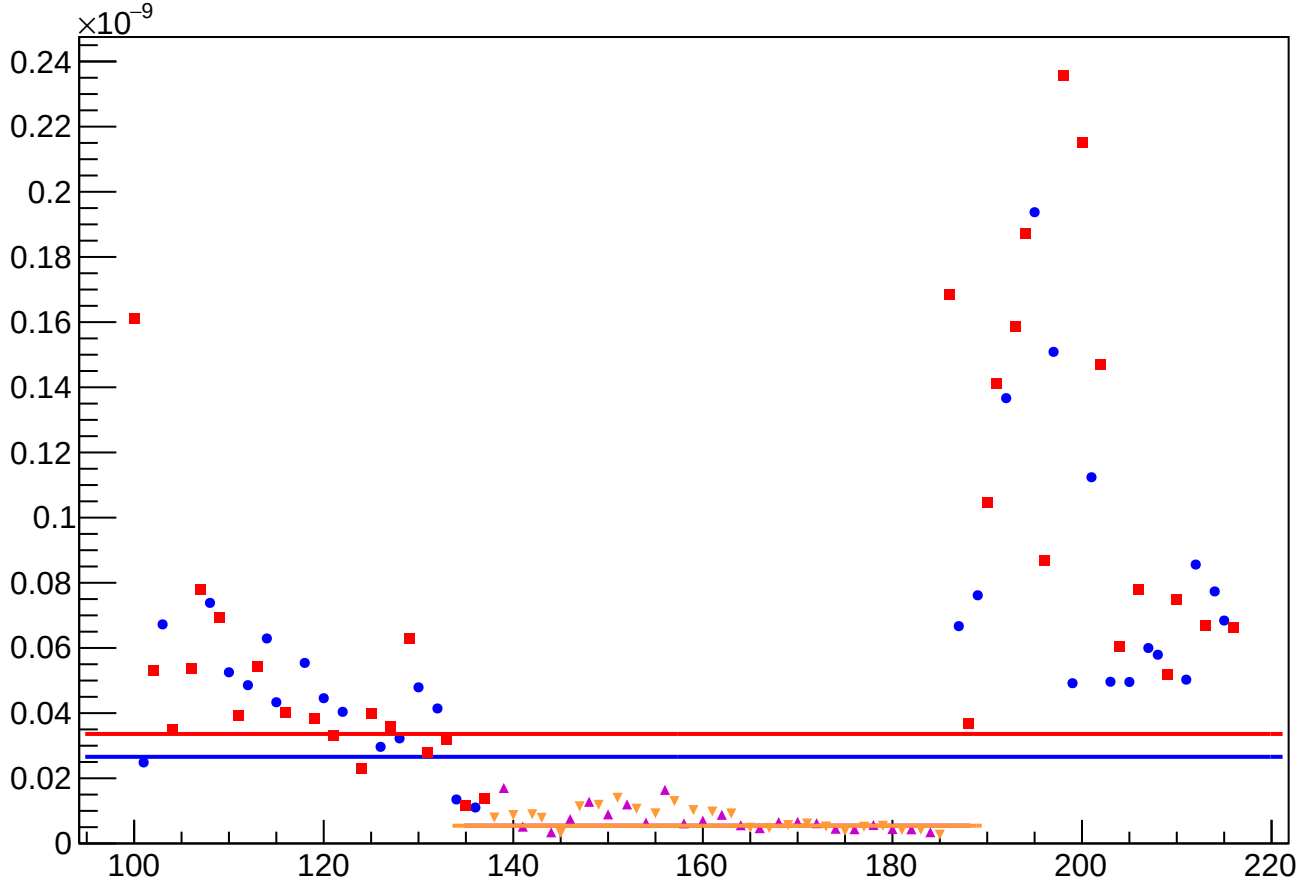
Right: 0.000+/-0.000 χ^2/NDF: 51.8/65

In: 0.000+/-0.000 χ^2/NDF:33.0/53

Out: 0.000+/-0.000 χ^2/NDF:53.8/59

All: 0.000+/-0.000 χ^2/NDF: 89.3/113

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 9612398.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

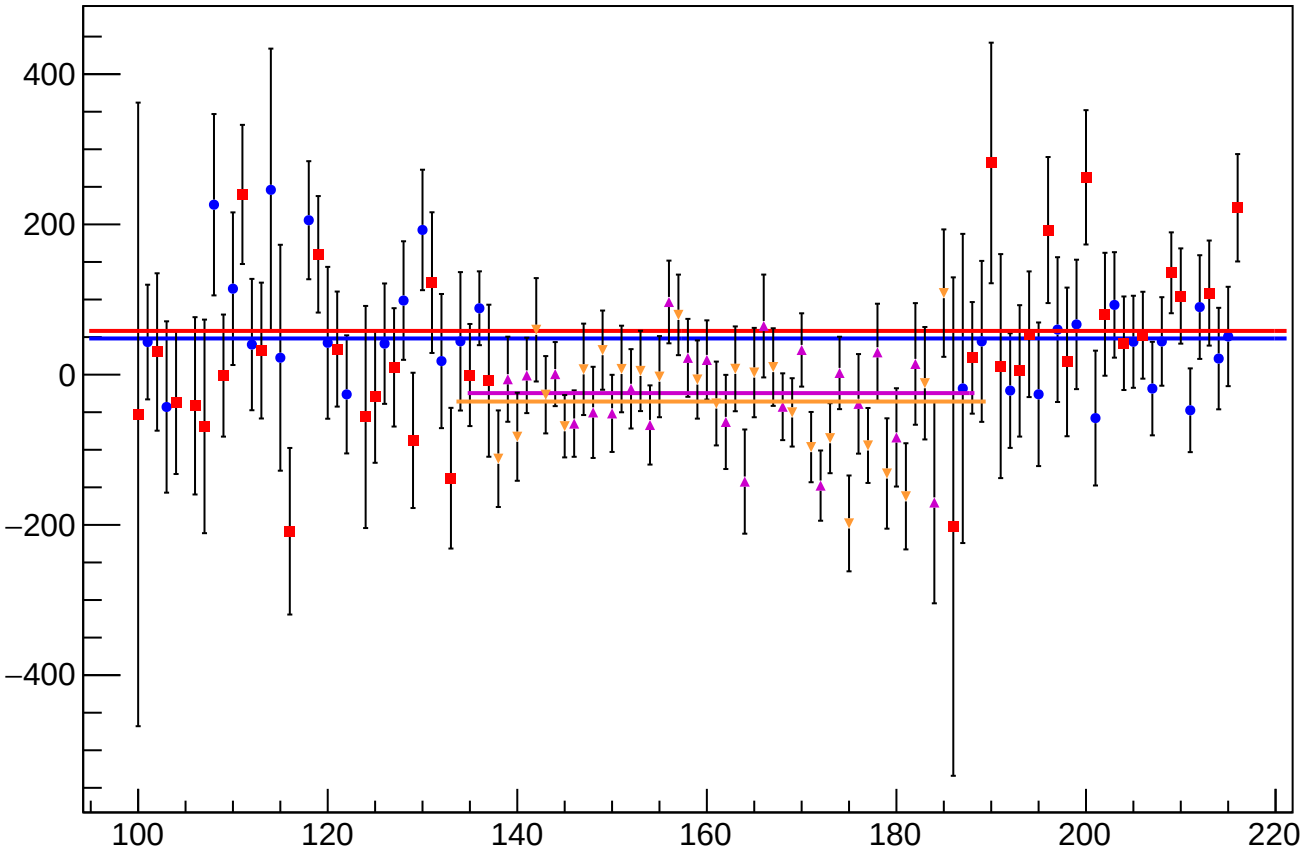
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 19814484.0/65

In: 0.000+/-0.000 χ^2/NDF:20833362.5/53

Out: 0.000+/-0.000 χ^2/NDF:23699416.0/59

All: 0.000+/-0.000 χ^2/NDF: 44536648.6/113



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: 58.211+/-14.554 χ^2/NDF: 44.5/34

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

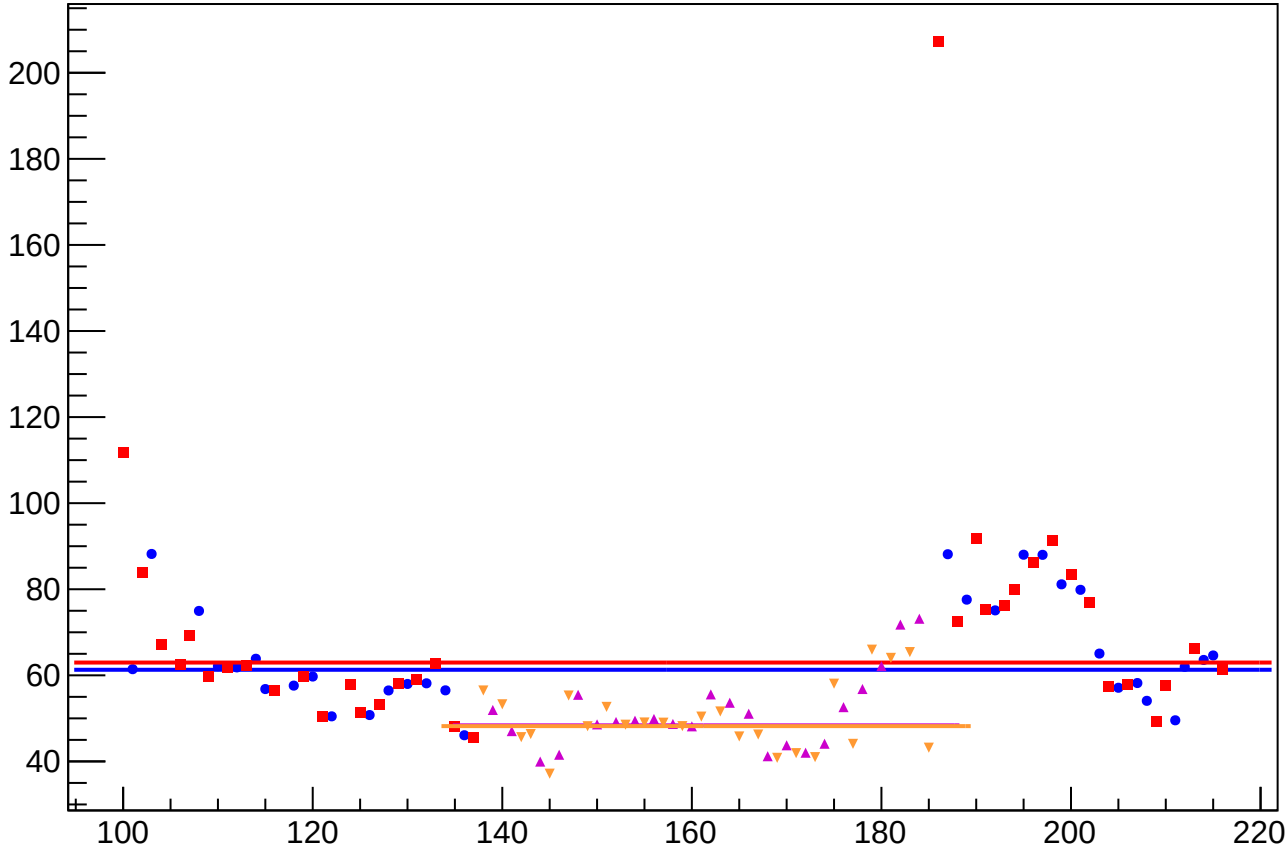
Right: 53.083+/-10.183 χ^2/NDF: 66.5/65

In: 4.019+/-8.937 χ^2/NDF:63.3/53

Out: -1.140+/-8.836 χ^2/NDF:104.5/59

All: 1.410+/-6.283 χ^2/NDF: 168.0/113

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: 62.969+/-0.010 χ^2/NDF: 1653864.9/34

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

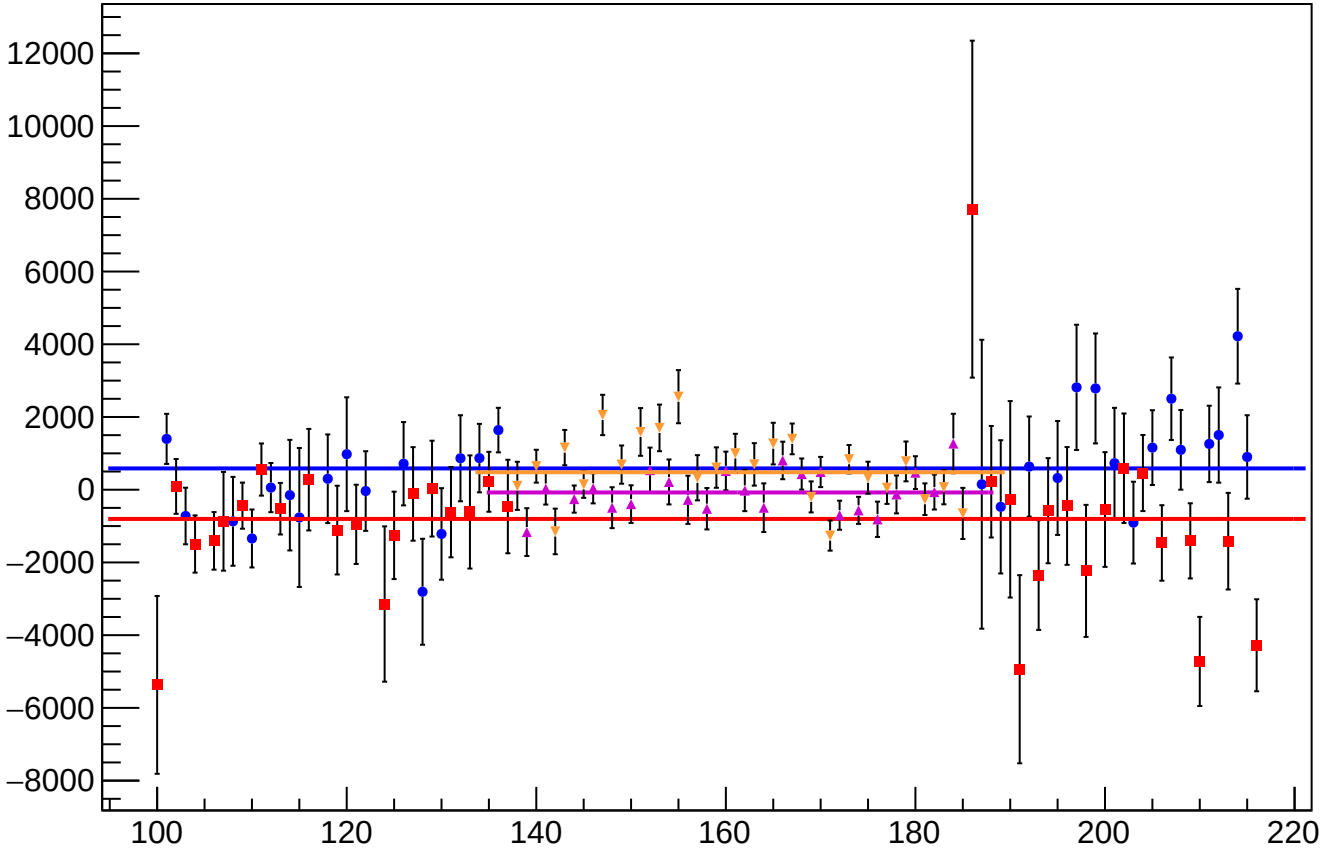
Right: 62.112+/-0.007 χ^2/NDF: 2888253.3/65

In: 53.455+/-0.006 χ^2/NDF:2911762.7/53

Out: 53.643+/-0.006 χ^2/NDF:3734936.7/59

All: 53.550+/-0.004 χ^2/NDF: 6647146.5/113

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



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: -803.521+/-191.720 χ^2/NDF: 43.9/34

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

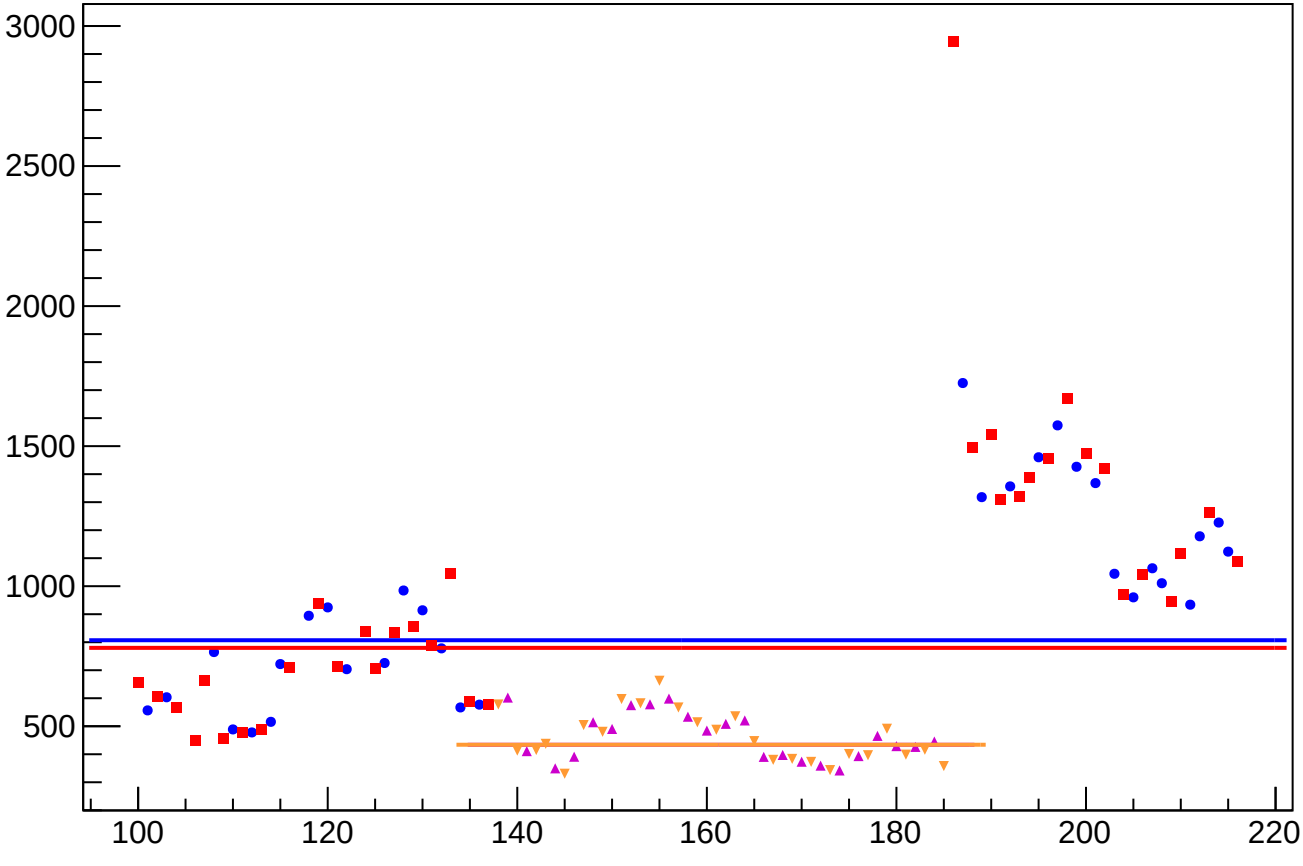
Right: -126.426+/-137.263 χ^2/NDF: 111.4/65

In: 67.028+/-91.327 χ^2/NDF:75.2/53

Out: 203.389+/-89.029 χ^2/NDF:148.3/59

All: 136.945+/-63.750 χ^2/NDF: 224.7/113

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



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: 779.828+/-0.136 χ^2/NDF: 6204238.8/34

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

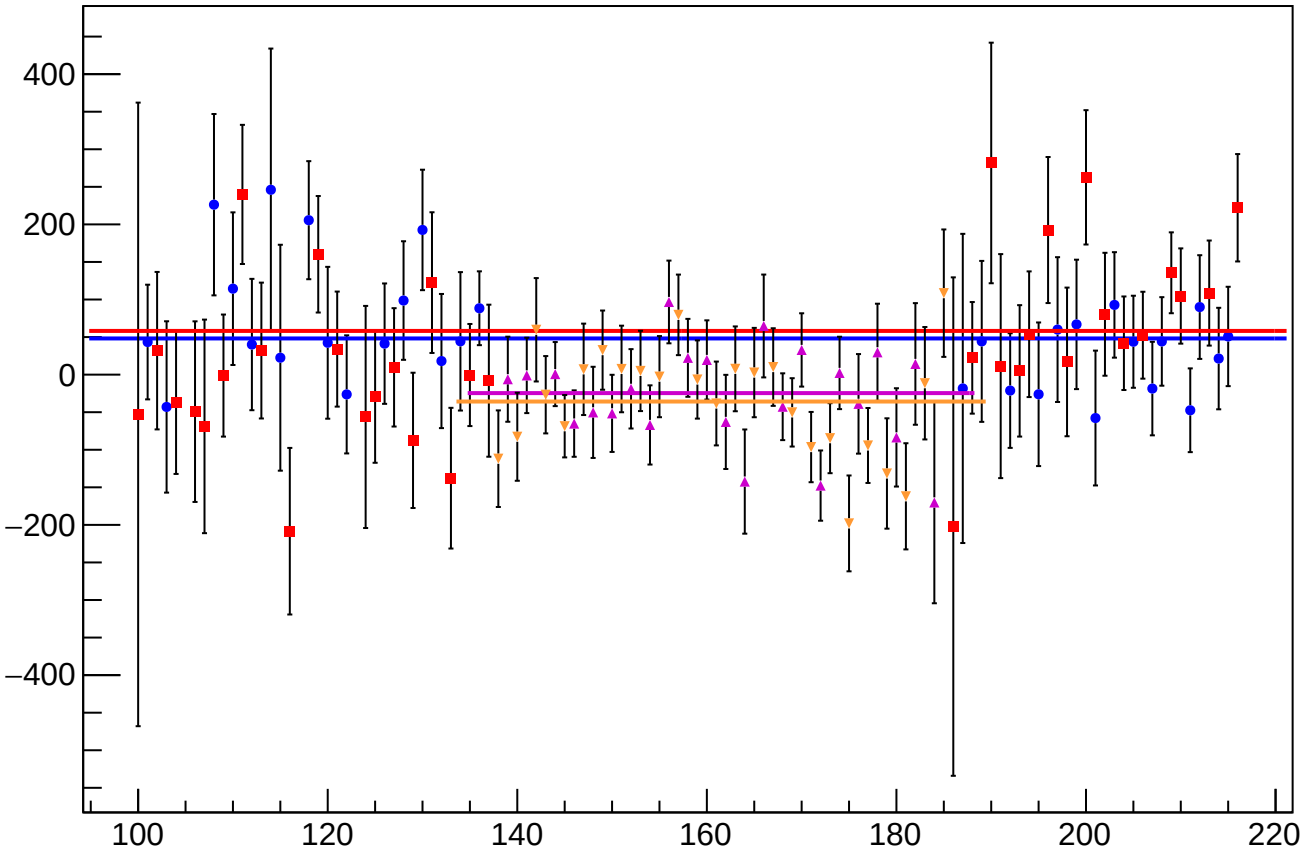
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 793.101+/-0.097 χ^2/NDF: 10792445.7/65

In: 514.276+/-0.065 χ^2/NDF:11318794.4/53

Out: 508.532+/-0.063 χ^2/NDF:12553790.5/59

All: 511.331+/-0.045 χ^2/NDF: 23876642.1/11



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: 58.184+/-14.558 χ^2/NDF: 44.6/34

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

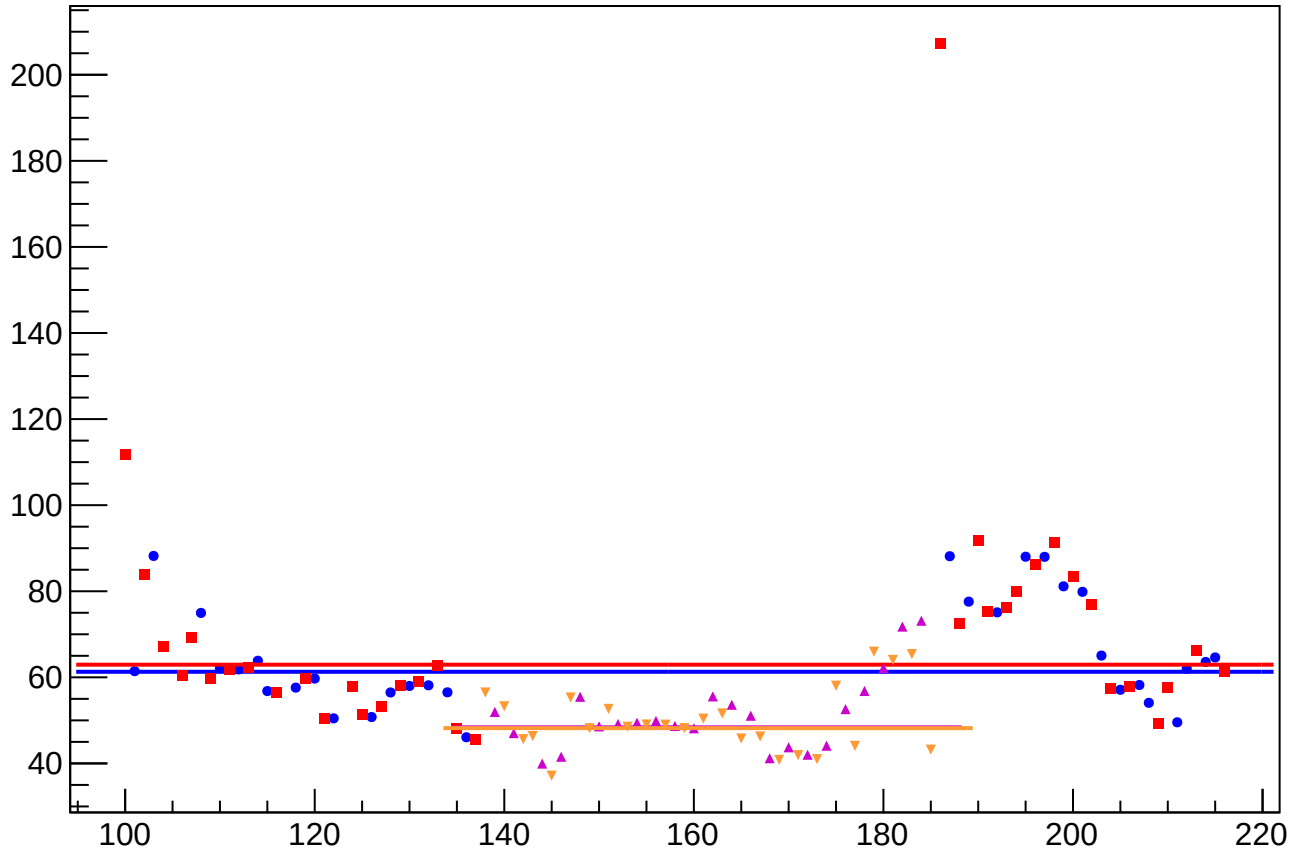
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 53.071+/-10.185 χ^2/NDF: 66.6/65

In: 4.019+/-8.937 χ^2/NDF:63.3/53

Out: -1.166+/-8.837 χ^2/NDF:104.6/59

All: 1.397+/-6.283 χ^2/NDF: 168.1/113



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: 62.940+/-0.010 χ^2/NDF: 1654927.0/34

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

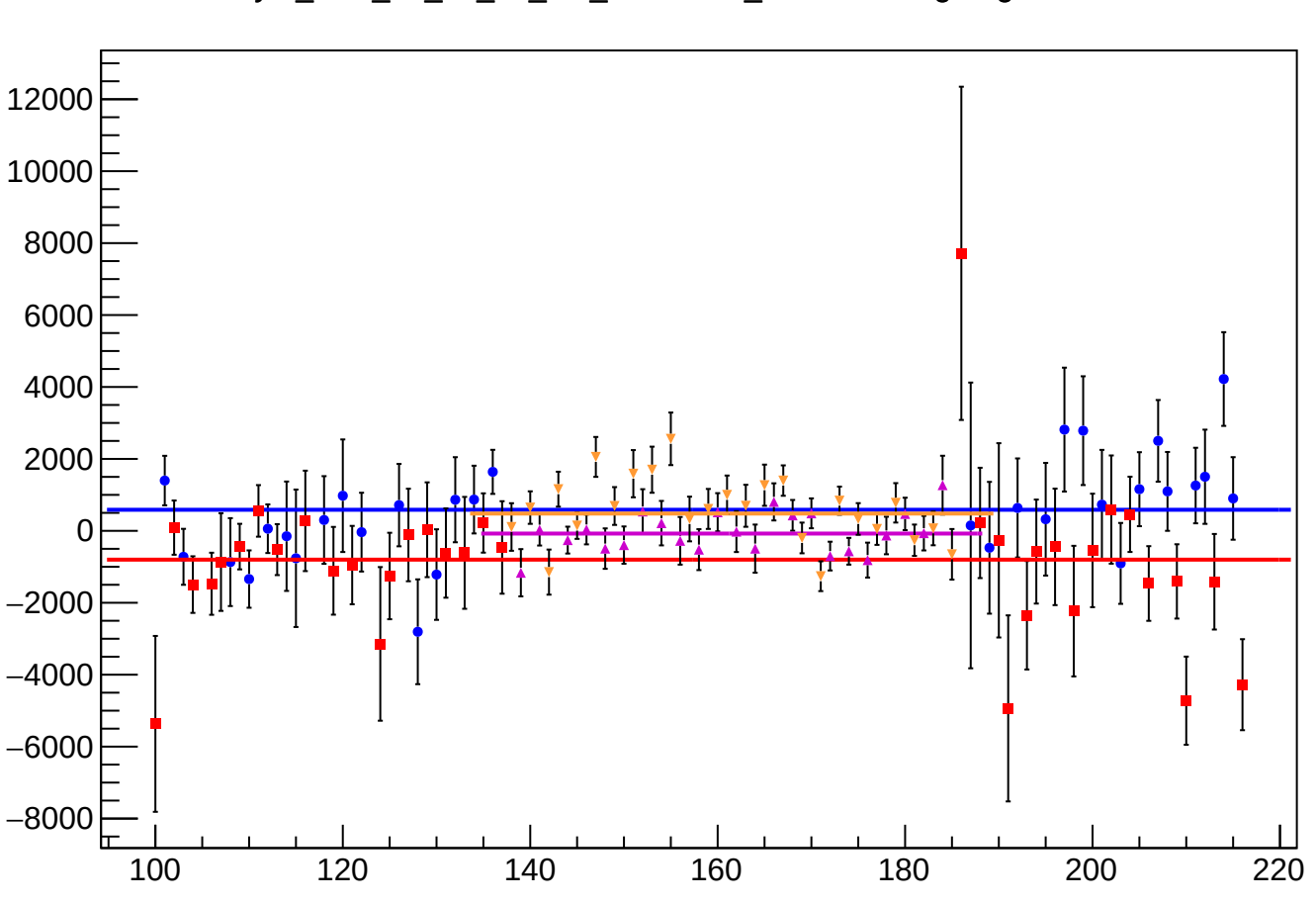
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.097+/-0.007 χ^2/NDF: 2888844.9/65

In: 53.455+/-0.006 χ^2/NDF:2911766.6/53

Out: 53.630+/-0.006 χ^2/NDF:3730377.0/59

All: 53.543+/-0.004 χ^2/NDF: 6642532.0/113



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: -801.254+/-192.625 χ^2/NDF: 43.9/34

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

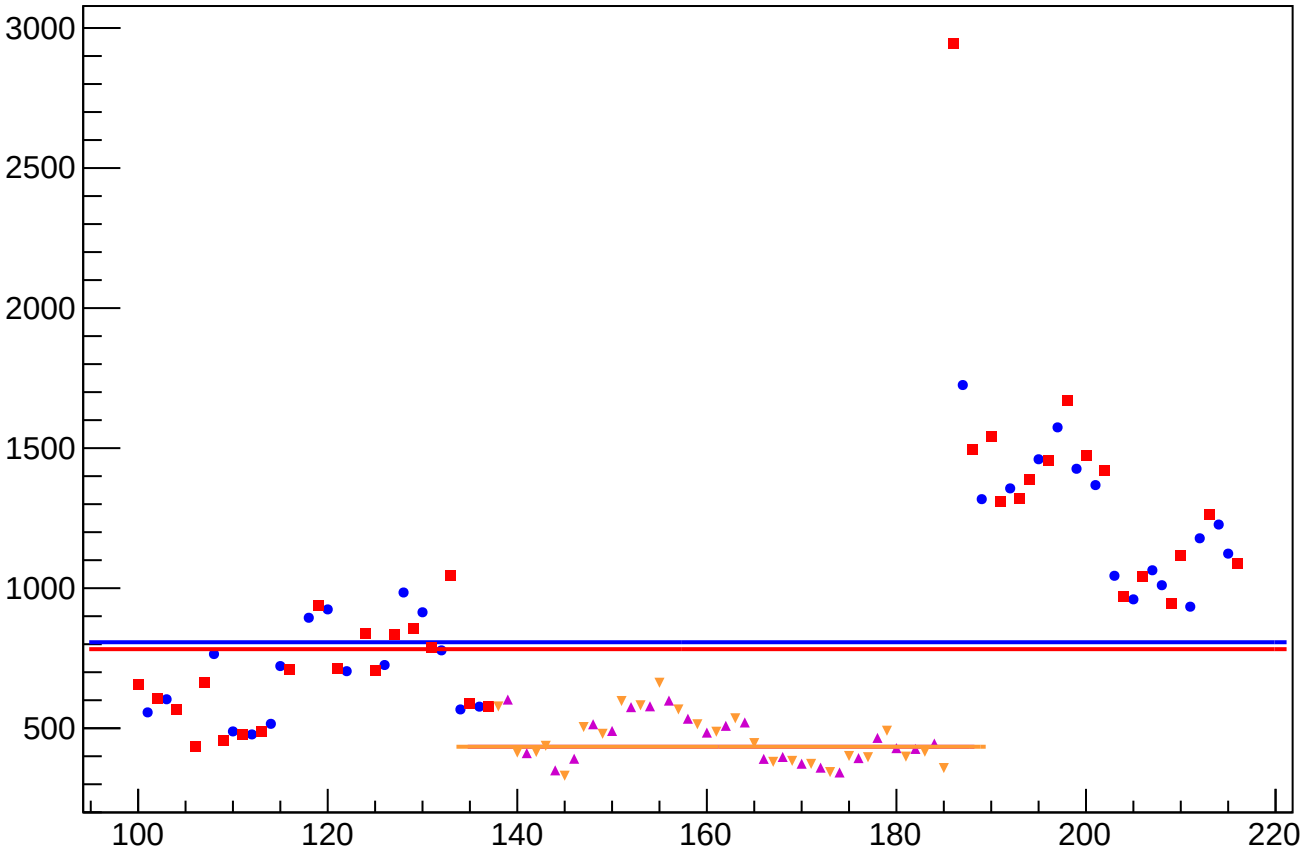
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -121.989+/-137.594 χ^2/NDF: 111.2/65

In: 67.031+/-91.327 χ^2/NDF:75.2/53

Out: 205.910+/-89.120 χ^2/NDF:147.9/59

All: 138.169+/-63.783 χ^2/NDF: 224.3/113



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: 782.324+/-0.136 χ^2/NDF: 6171542.9/34

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

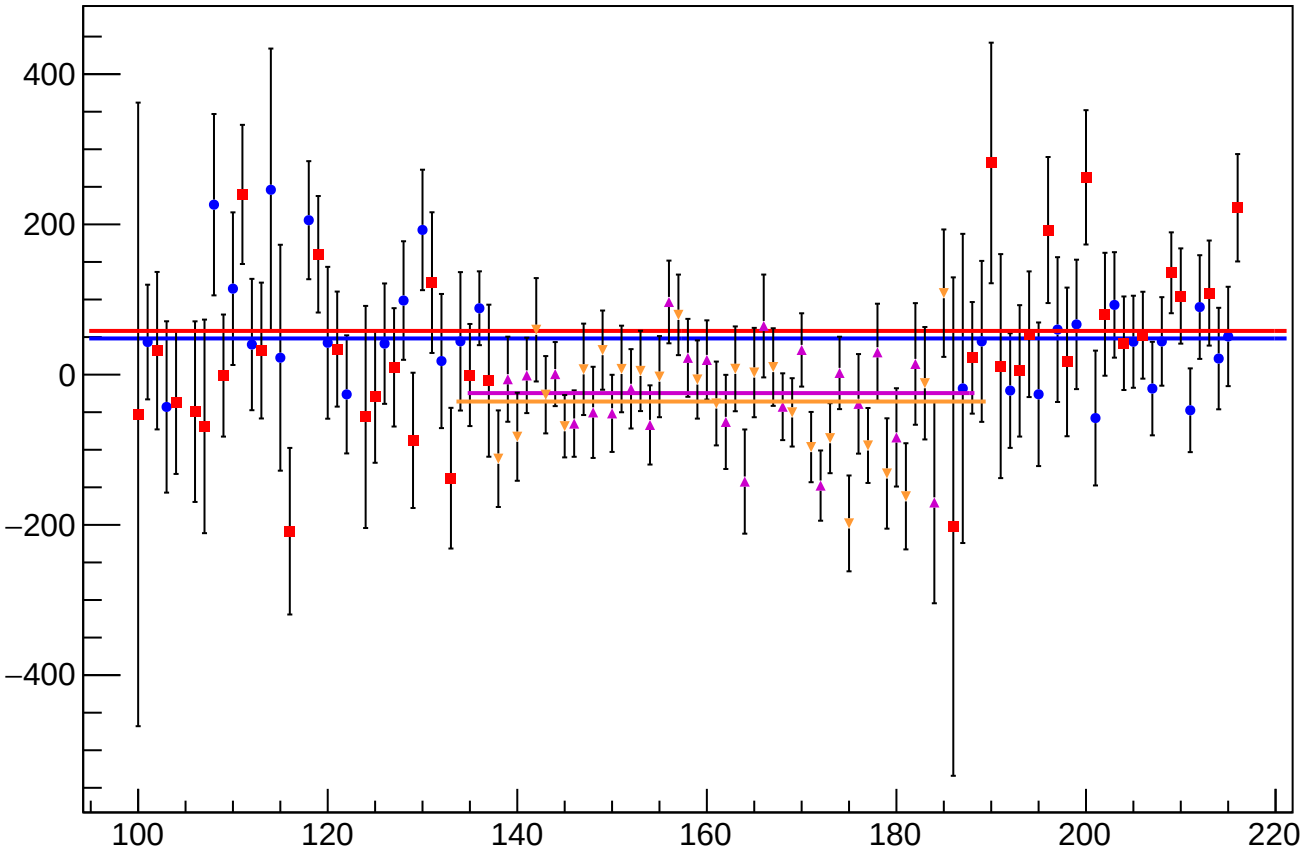
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 794.441+/-0.097 χ^2/NDF: 10756160.1/65

In: 514.277+/-0.065 χ^2/NDF:11318812.1/53

Out: 508.516+/-0.063 χ^2/NDF:12556873.9/59

All: 511.326+/-0.045 χ^2/NDF: 23879761.9/1



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: 58.184+/-14.558 χ^2/NDF: 44.6/34

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

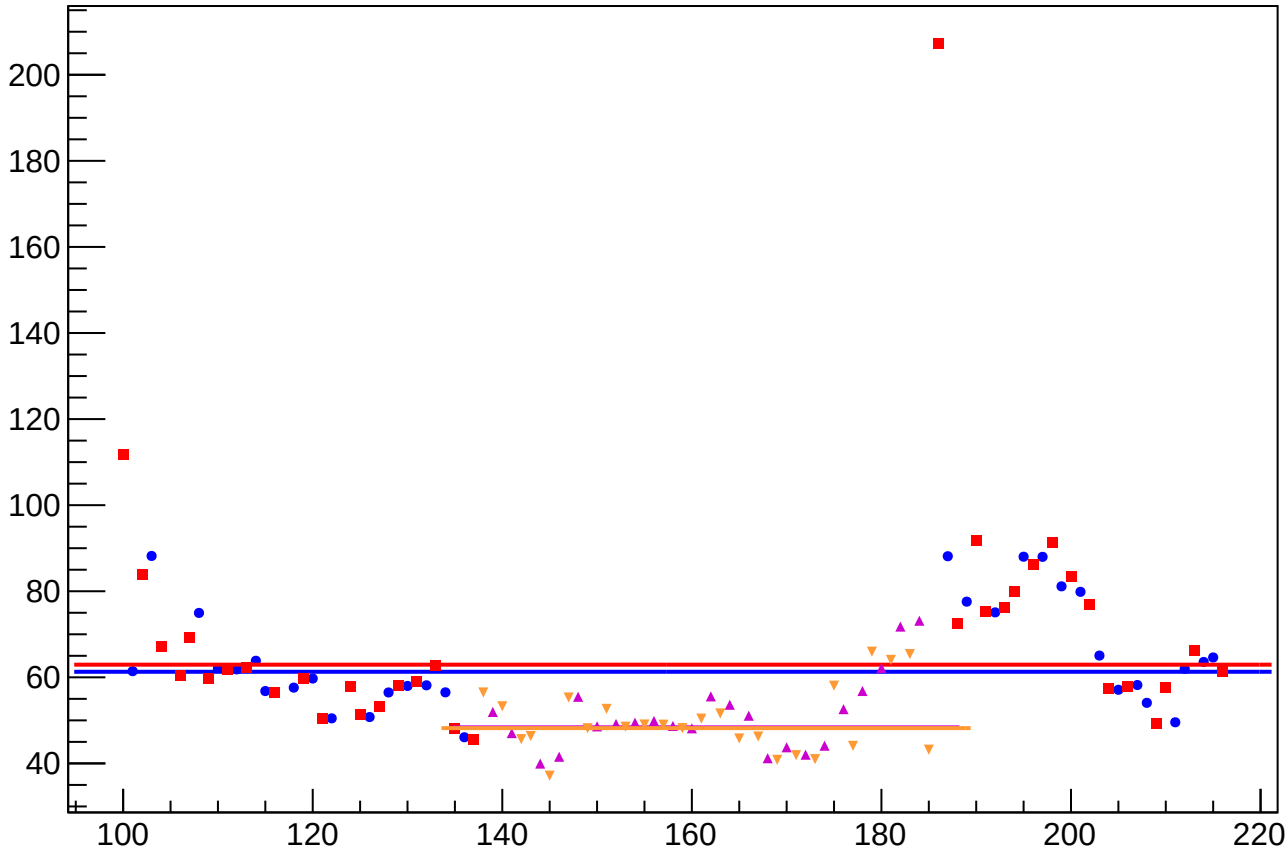
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 53.071+/-10.185 χ^2/NDF: 66.6/65

In: 4.019+/-8.937 χ^2/NDF:63.3/53

Out: -1.166+/-8.837 χ^2/NDF:104.6/59

All: 1.397+/-6.283 χ^2/NDF: 168.1/113



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: 62.940+/-0.010 χ^2/NDF: 1654927.0/34

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

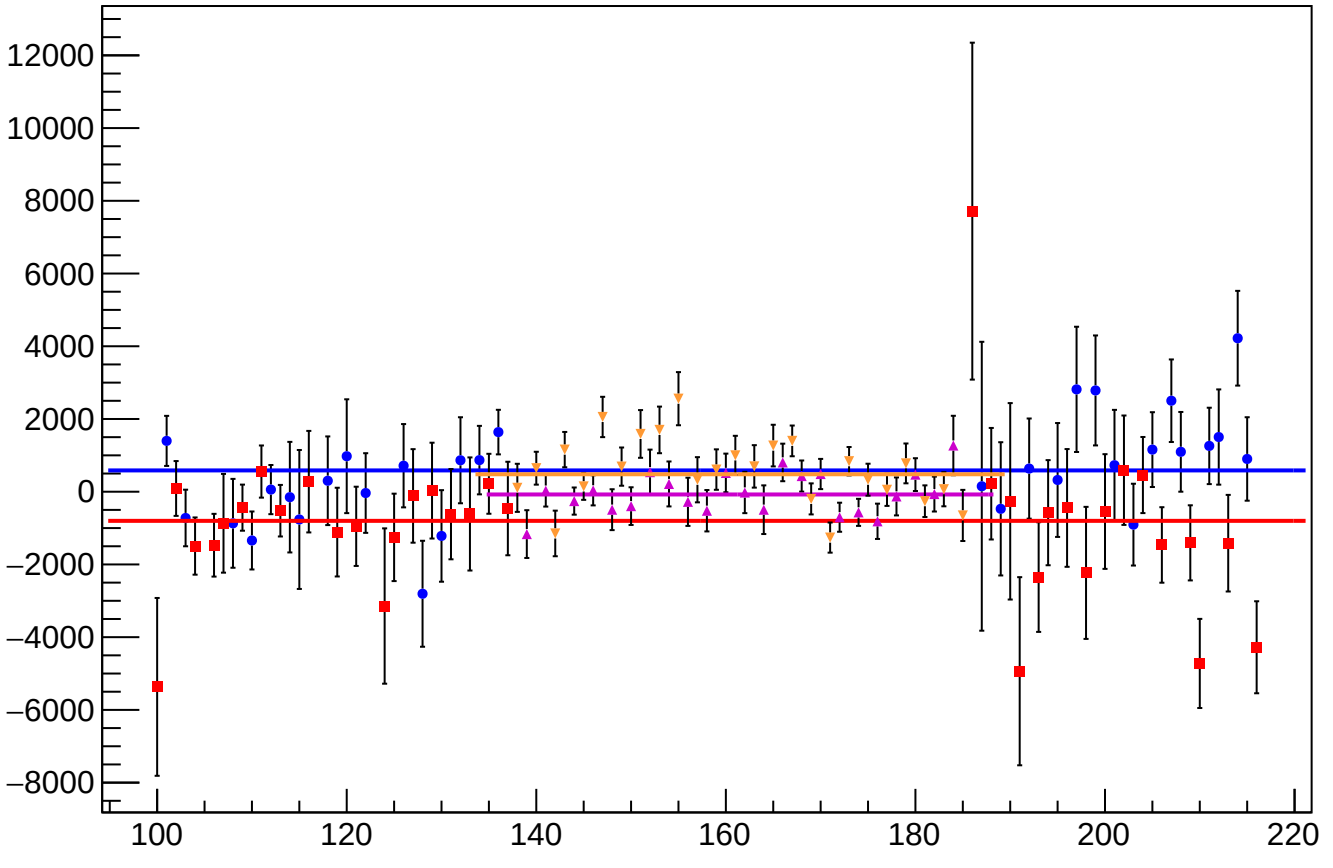
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 62.097+/-0.007 χ^2/NDF: 2888844.9/65

In: 53.455+/-0.006 χ^2/NDF:2911766.6/53

Out: 53.630+/-0.006 χ^2/NDF:3730377.0/59

All: 53.543+/-0.004 χ^2/NDF: 6642532.0/113



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: -801.254+/-192.625 χ^2/NDF: 43.9/34

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

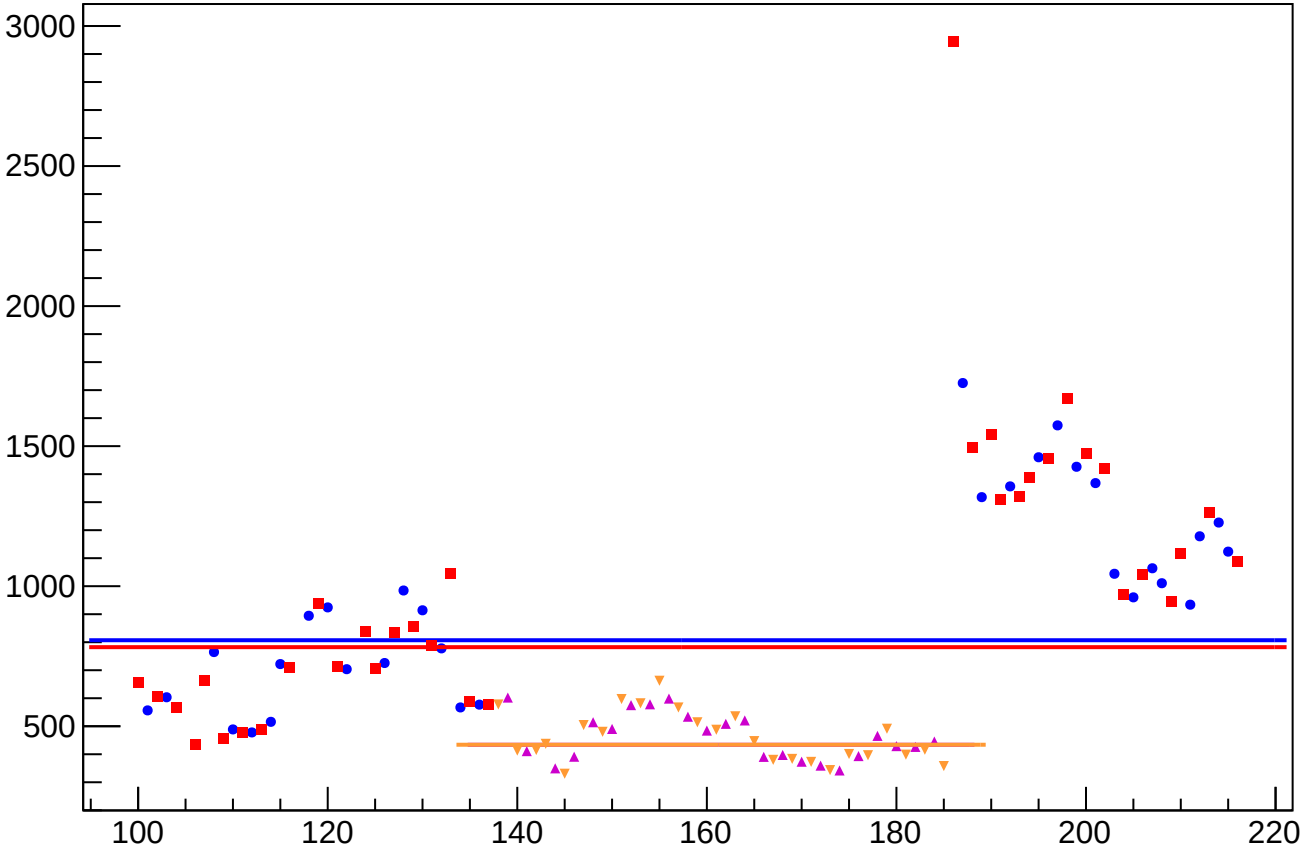
Right: -121.989+/-137.594 χ^2/NDF: 111.2/65

In: 67.031+/-91.327 χ^2/NDF:75.2/53

Out: 205.910+/-89.120 χ^2/NDF:147.9/59

All: 138.169+/-63.783 χ^2/NDF: 224.3/113

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: 782.324+/-0.136 χ^2/NDF: 6171542.9/34

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

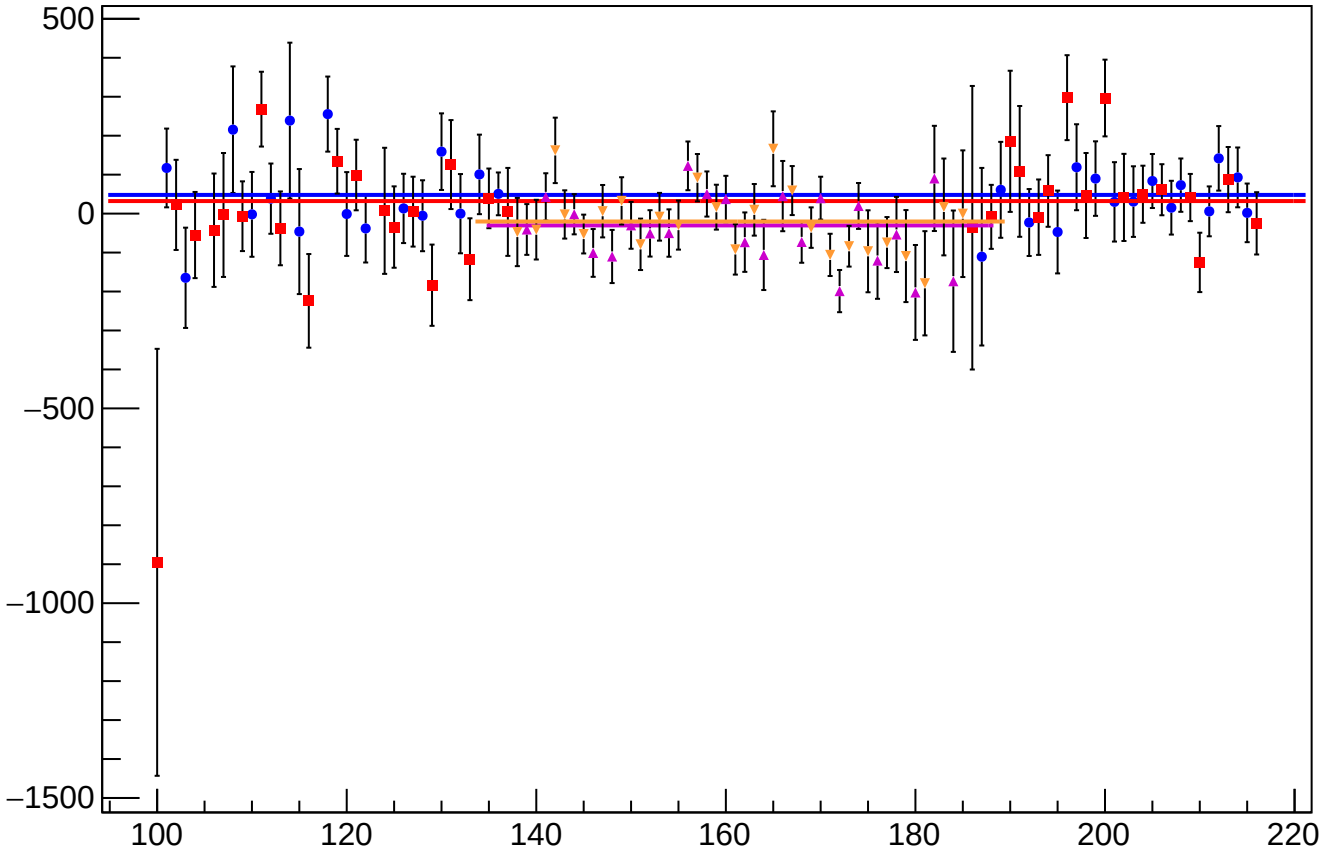
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 794.441+/-0.097 χ^2/NDF: 10756160.1/65

In: 514.277+/-0.065 χ^2/NDF:11318812.1/53

Out: 508.516+/-0.063 χ^2/NDF:12556873.9/59

All: 511.326+/-0.045 χ^2/NDF: 23879761.9/1



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: 32.186+/-16.550 χ^2/NDF: 44.9/34

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

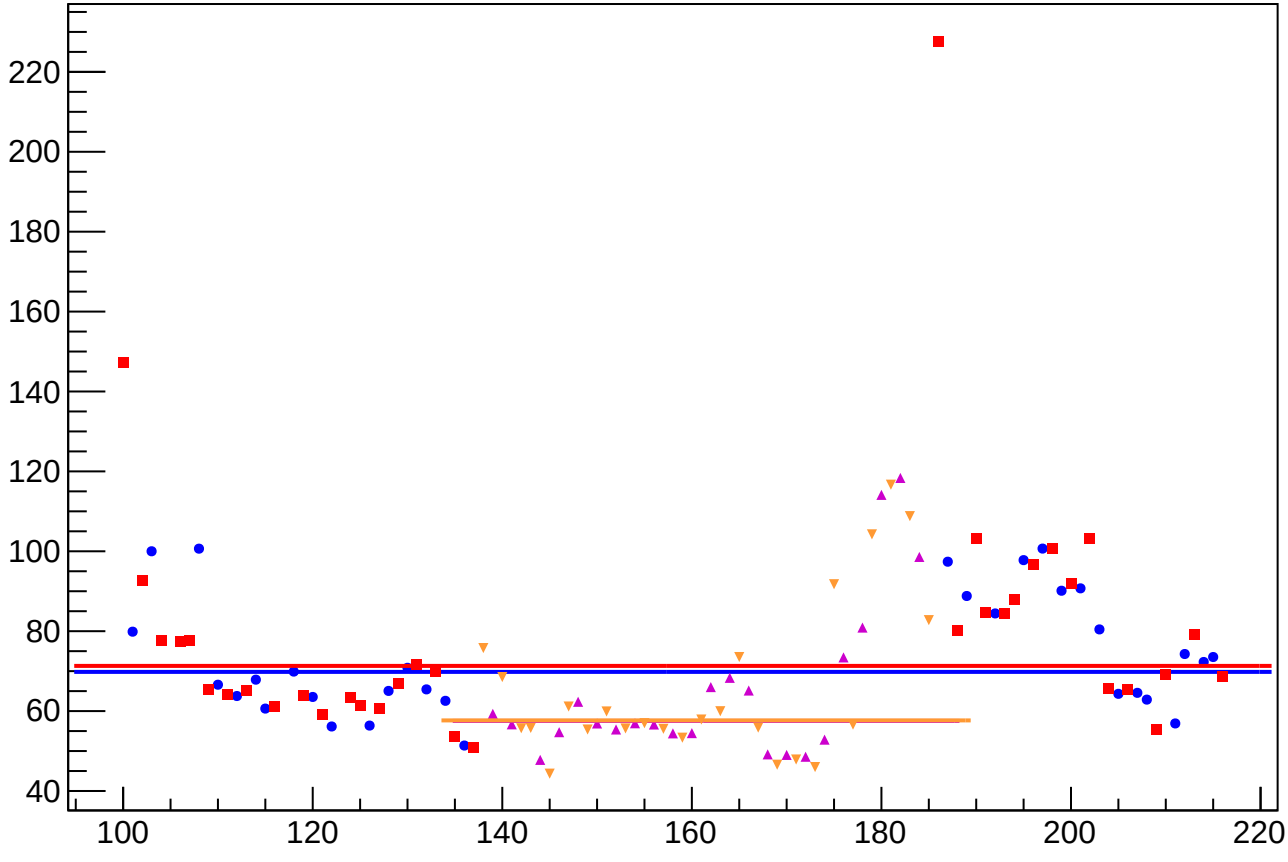
Right: 40.189+/-11.621 χ^2/NDF: 64.9/65

In: 2.807+/-10.617 χ^2/NDF:65.4/53

Out: 0.942+/-10.524 χ^2/NDF:76.0/59

All: 1.867+/-7.474 χ^2/NDF: 141.4/113

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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: 71.312+/-0.012 χ^2/NDF: 1700094.7/34

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

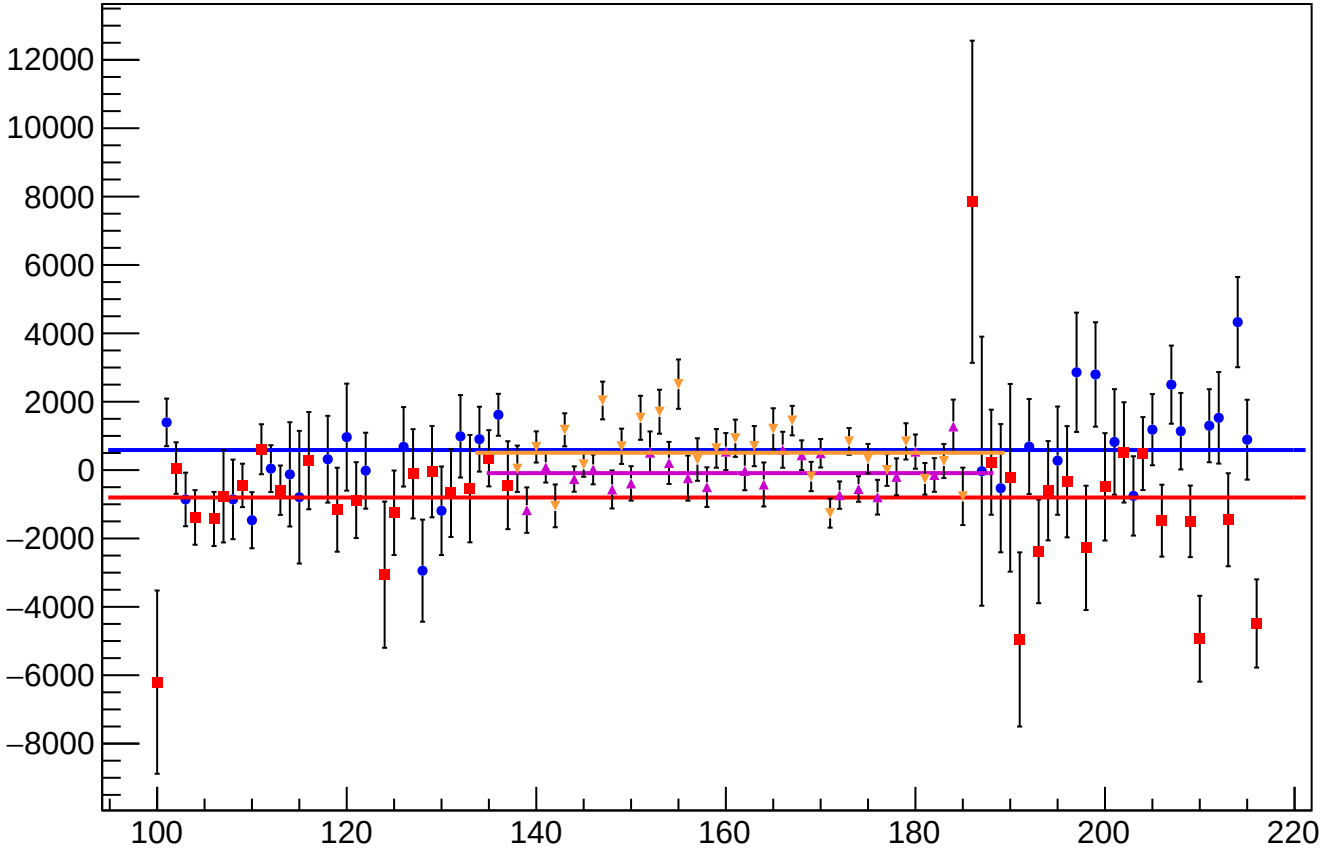
Right: 70.553+/-0.008 χ^2/NDF: 3044664.0/65

In: 62.732+/-0.008 χ^2/NDF:3431903.9/53

Out: 63.186+/-0.007 χ^2/NDF:4419535.7/59

All: 62.961+/-0.005 χ^2/NDF: 7853277.7/113

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



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: -801.360+/-193.736 χ^2/NDF: 46.0/34

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

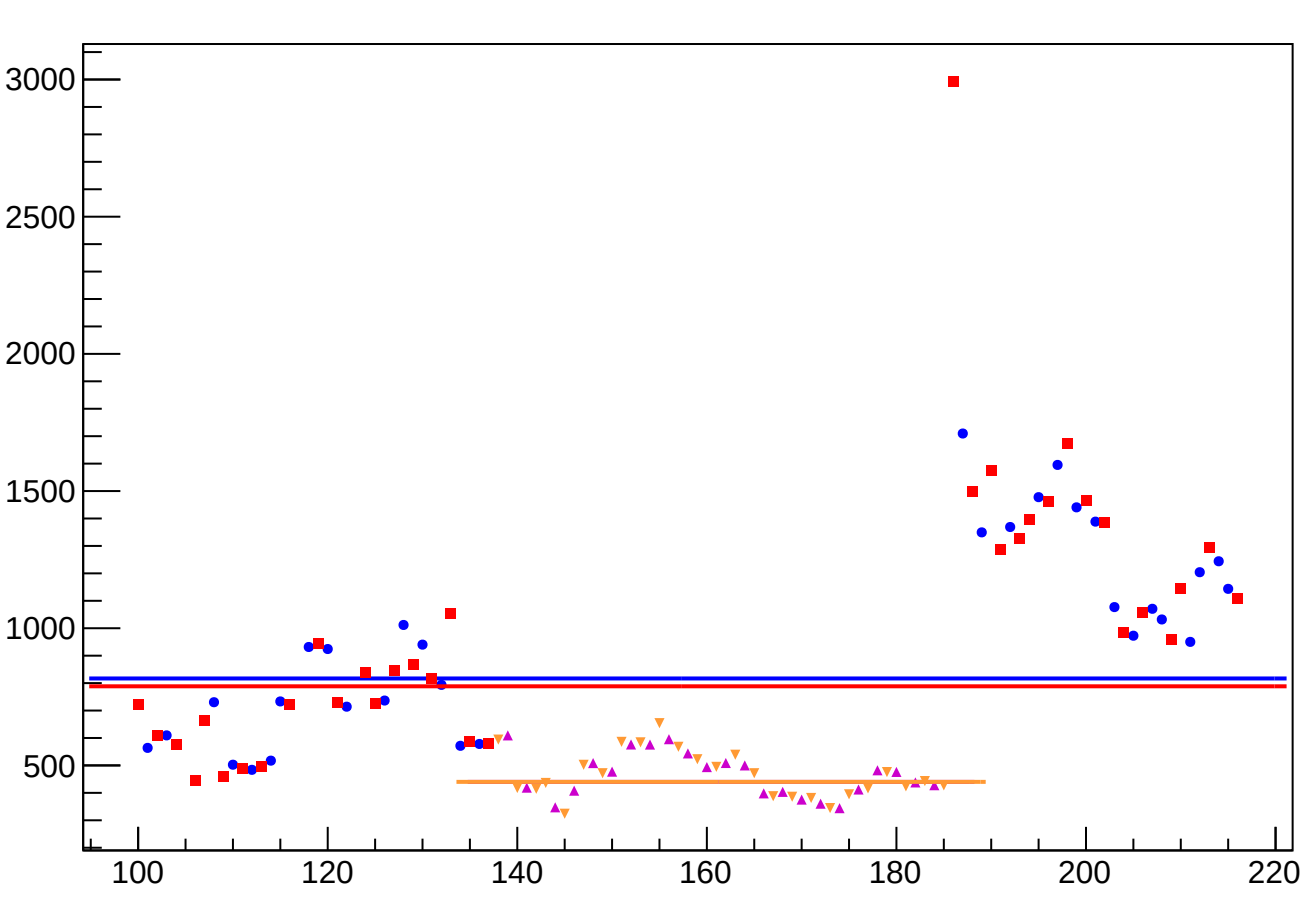
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -126.069+/-138.838 χ^2/NDF: 113.8/65

In: 57.524+/-92.555 χ^2/NDF:75.1/53

Out: 224.154+/-90.100 χ^2/NDF:147.5/59

All: 143.077+/-64.561 χ^2/NDF: 224.3/113



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: 788.361+/-0.137 χ^2/NDF: 6185621.8/34

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

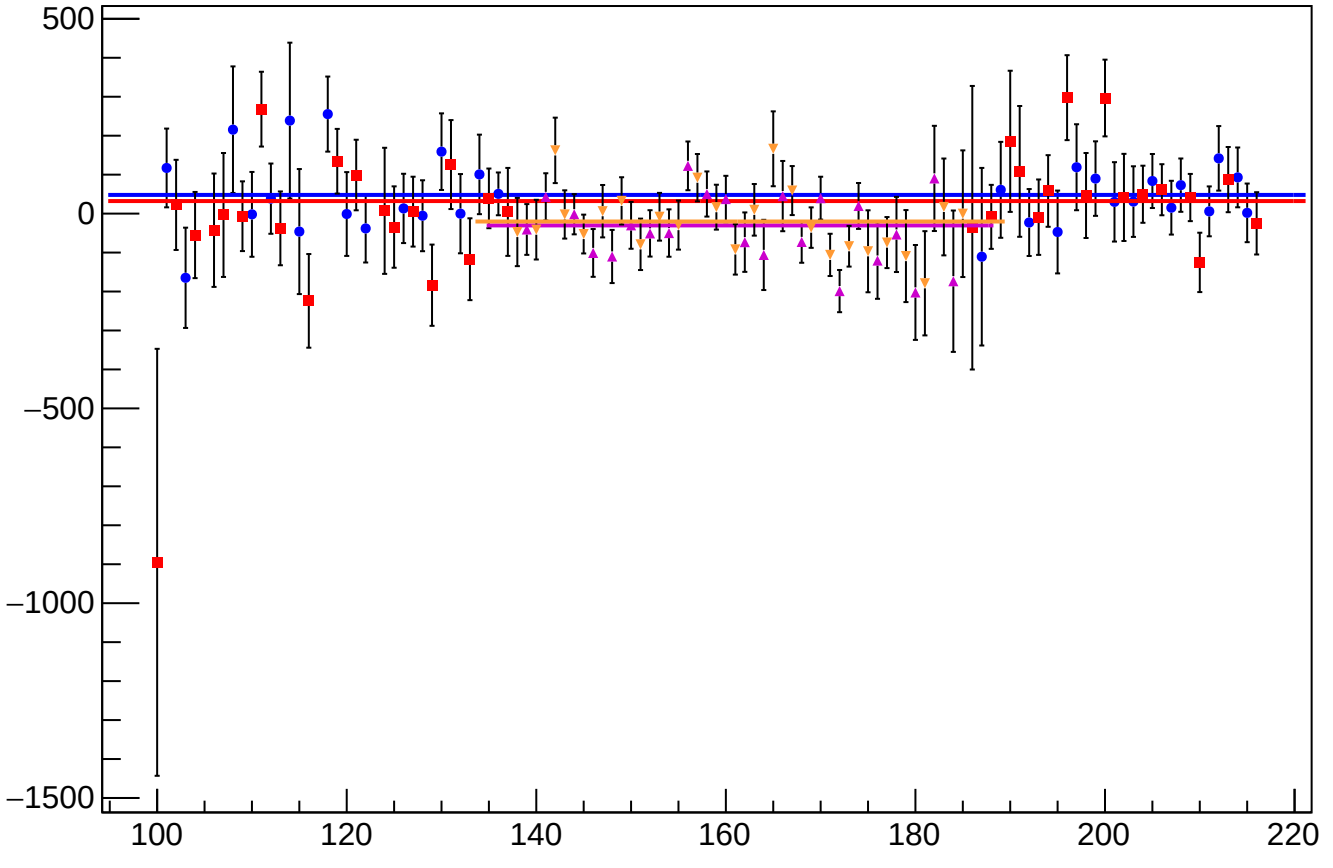
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 802.256+/-0.098 χ^2/NDF: 10827661.9/65

In: 521.385+/-0.065 χ^2/NDF:11306891.5/53

Out: 515.405+/-0.064 χ^2/NDF:12448287.0/59

All: 518.315+/-0.046 χ^2/NDF: 23759466.2/11



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: 32.187+/-16.550 χ^2/NDF: 44.9/34

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

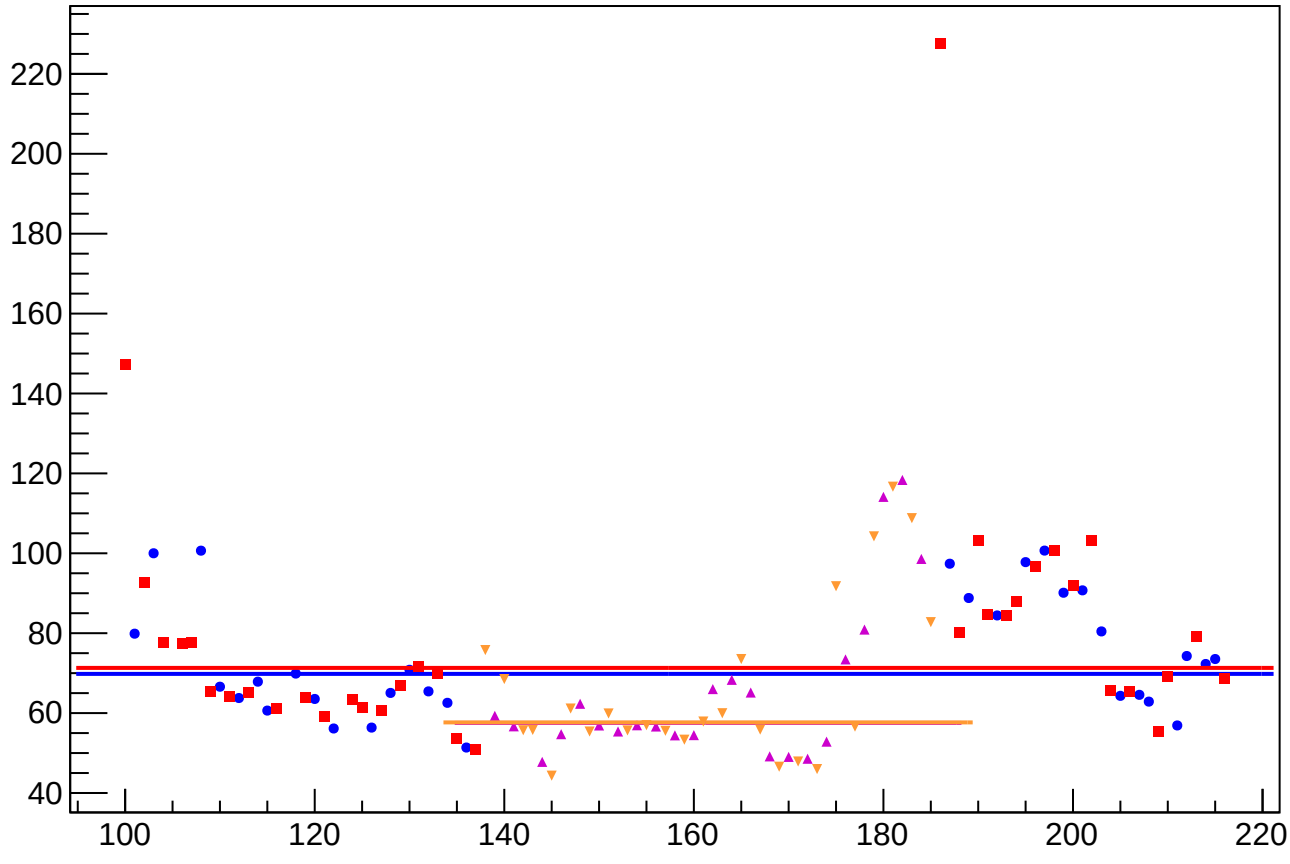
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 40.189+/-11.621 χ^2/NDF: 64.9/65

In: 2.807+/-10.617 χ^2/NDF:65.4/53

Out: 0.942+/-10.524 χ^2/NDF:76.0/59

All: 1.866+/-7.474 χ^2/NDF: 141.4/113



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: 71.312+/-0.012 χ^2/NDF: 1700099.0/34

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

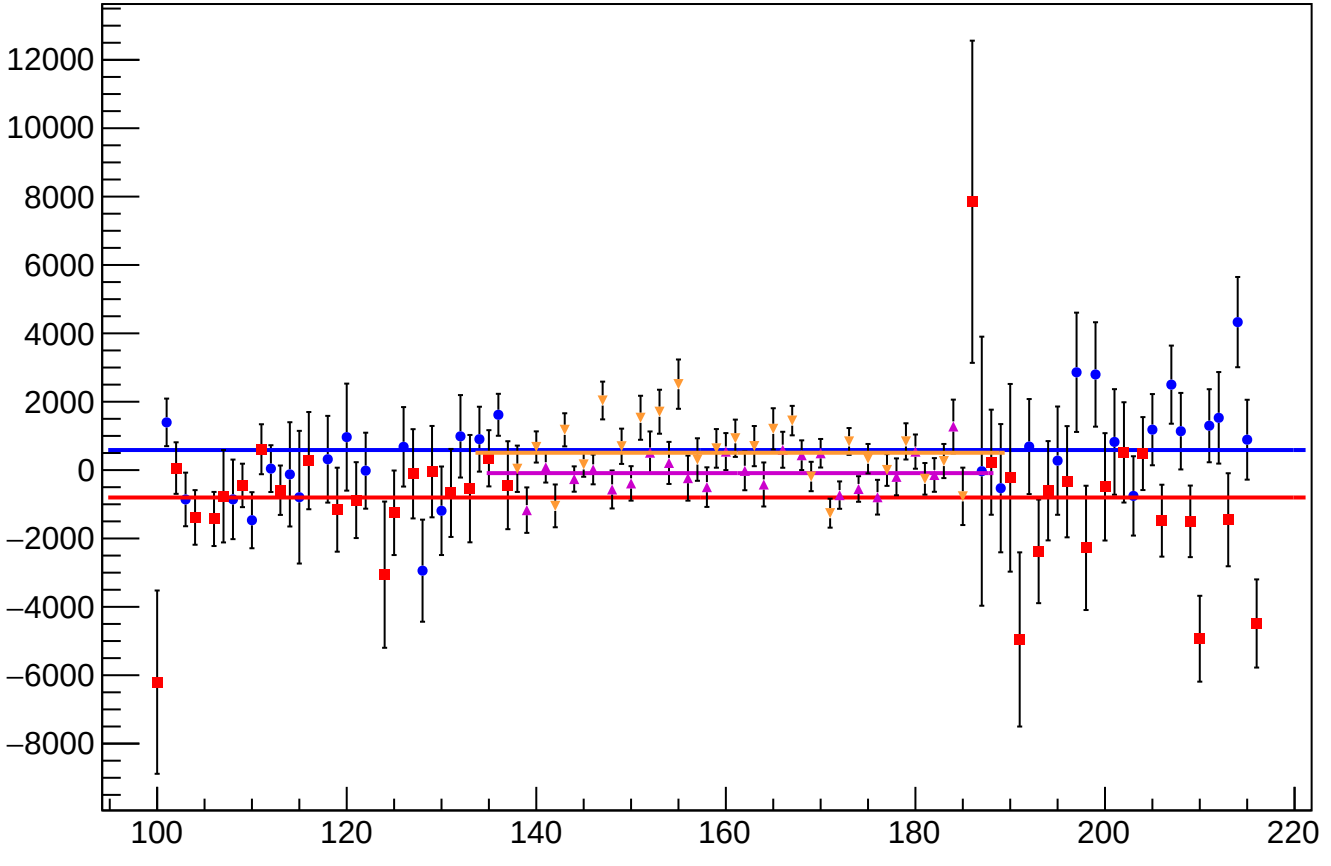
Right: 70.552+/-0.008 χ^2/NDF: 3044641.7/65

In: 62.732+/-0.008 χ^2/NDF:3431848.7/53

Out: 63.186+/-0.007 χ^2/NDF:4419517.7/59

All: 62.961+/-0.005 χ^2/NDF: 7853204.9/113

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: -801.358+/-193.736 χ^2/NDF: 46.0/34

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

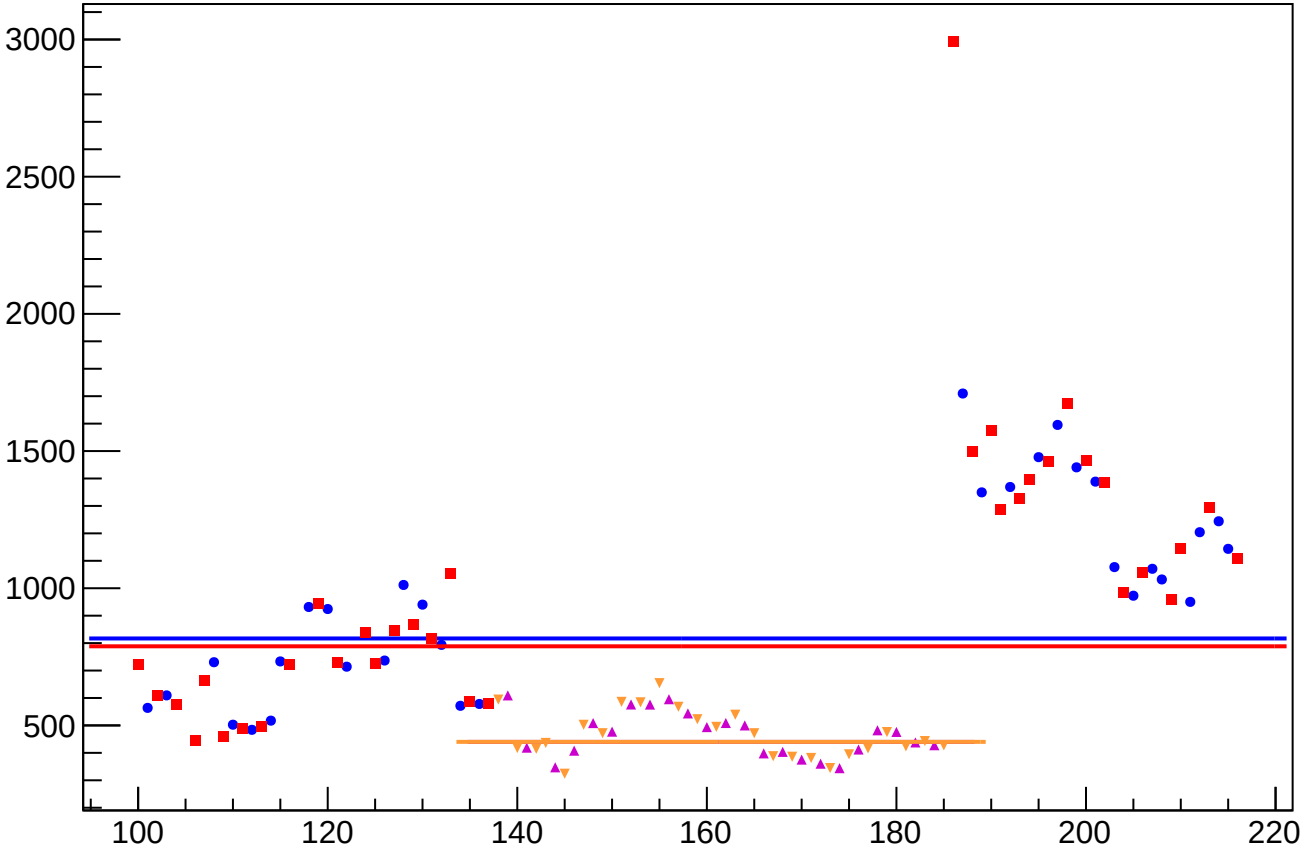
Right: -126.068+/-138.838 χ^2/NDF: 113.8/65

In: 57.523+/-92.555 χ^2/NDF:75.1/53

Out: 224.154+/-90.100 χ^2/NDF:147.5/59

All: 143.077+/-64.561 χ^2/NDF: 224.3/113

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: 788.361+/-0.137 χ^2/NDF: 6185628.0/34

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

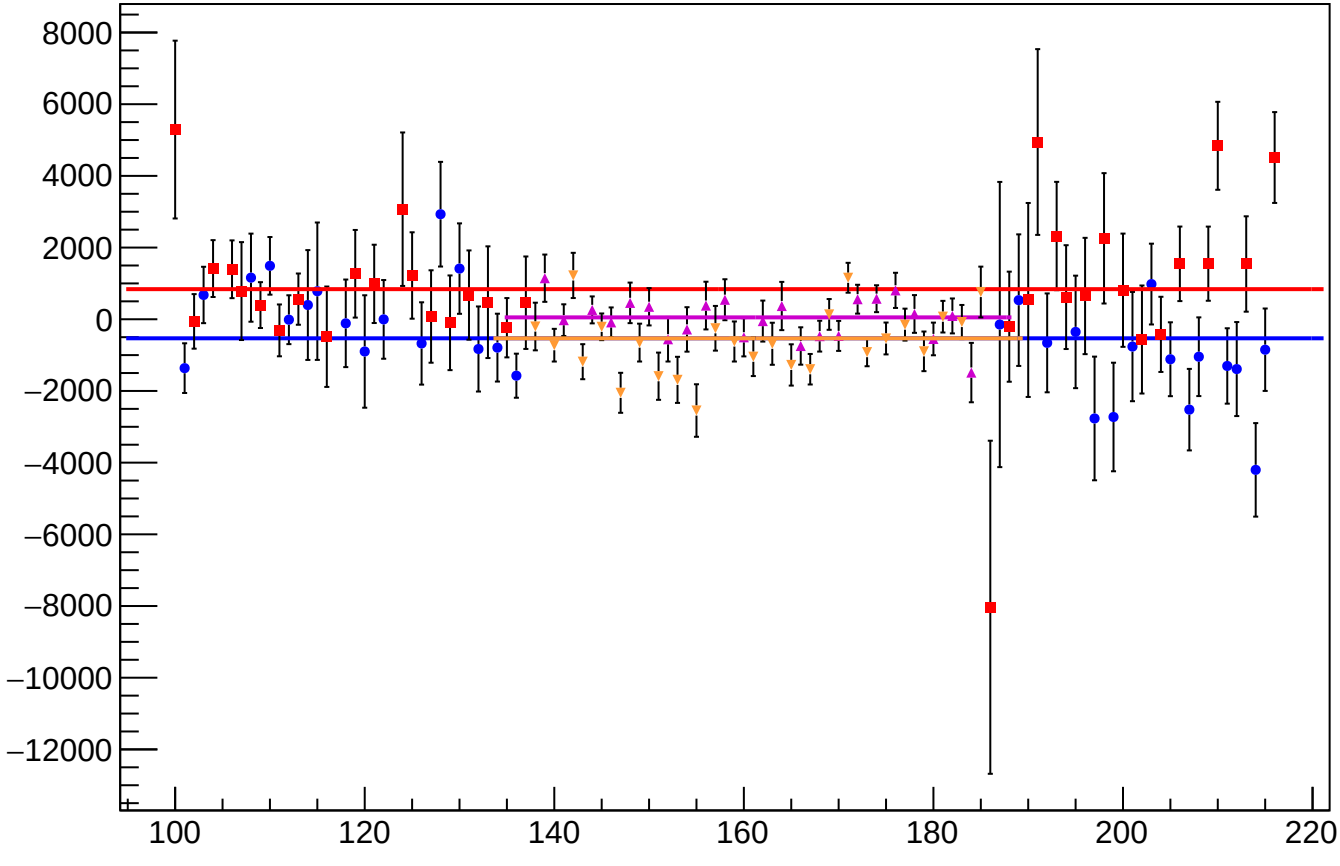
Right: 802.256+/-0.098 χ^2/NDF: 10827672.9/65

In: 521.384+/-0.065 χ^2/NDF:11306927.8/53

Out: 515.404+/-0.064 χ^2/NDF:12448321.2/59

All: 518.313+/-0.046 χ^2/NDF: 23759536.5/1

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: 839.987+/-192.797 χ^2/NDF: 44.5/34

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

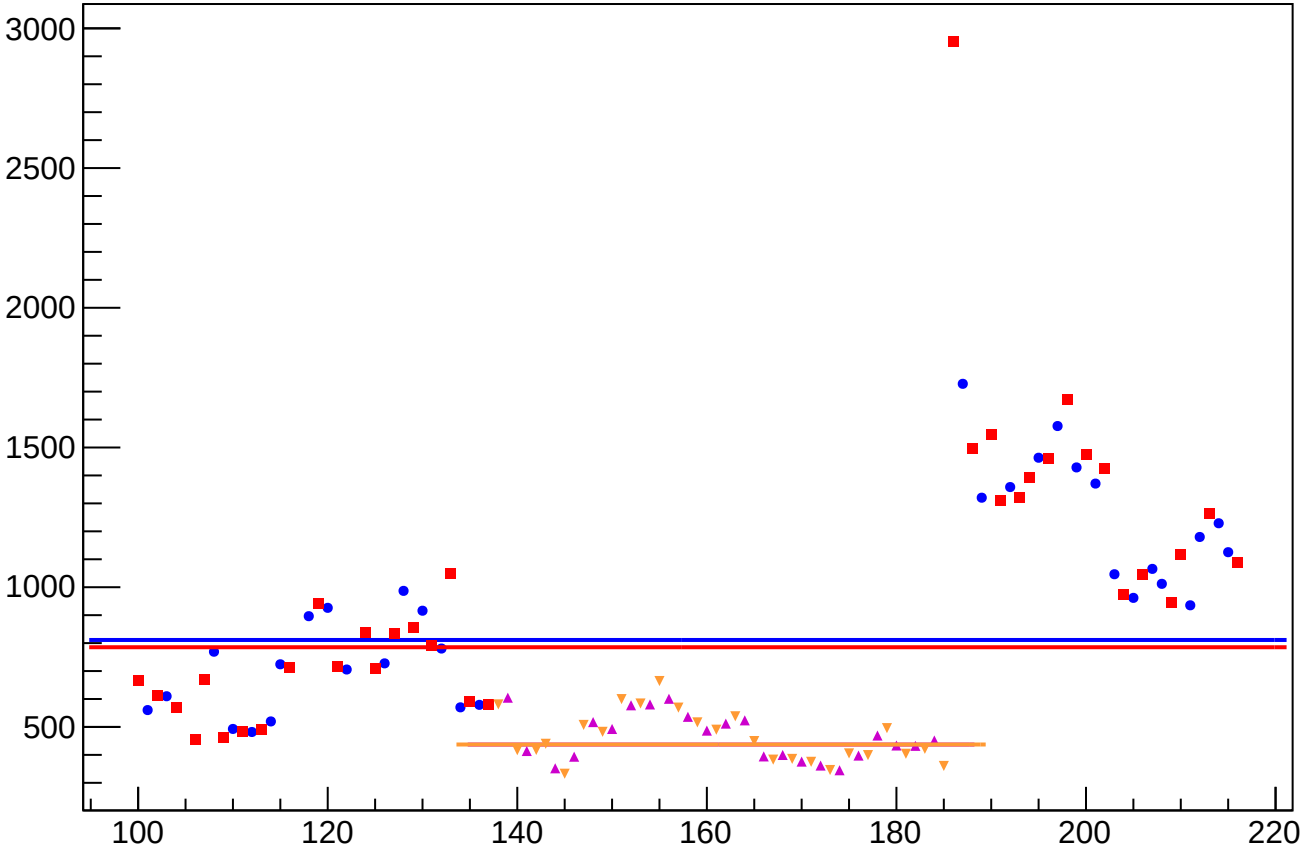
Right: 170.777+/-137.948 χ^2/NDF: 112.6/65

In: -73.966+/-91.927 χ^2/NDF:74.3/53

Out: -235.093+/-89.637 χ^2/NDF:149.7/59

All: -156.562+/-64.177 χ^2/NDF: 225.7/113

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: 785.224+/-0.136 χ^2/NDF: 6117566.1/34

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

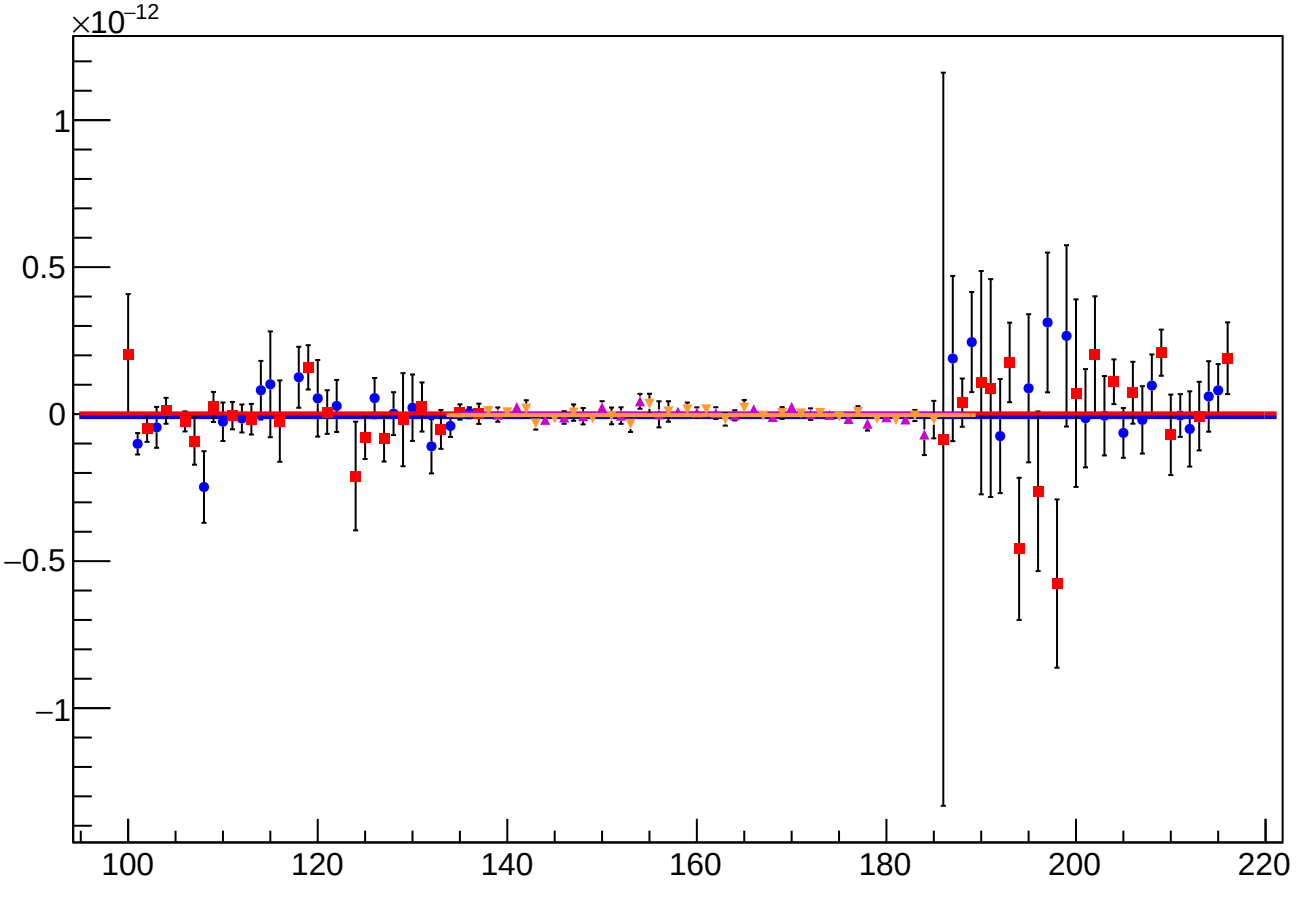
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 797.913+/-0.098 χ^2/NDF: 10649663.1/65

In: 518.058+/-0.065 χ^2/NDF:11222747.3/53

Out: 512.395+/-0.063 χ^2/NDF:12454578.5/59

All: 515.155+/-0.045 χ^2/NDF: 23681215.8/1



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: 37.4/34

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

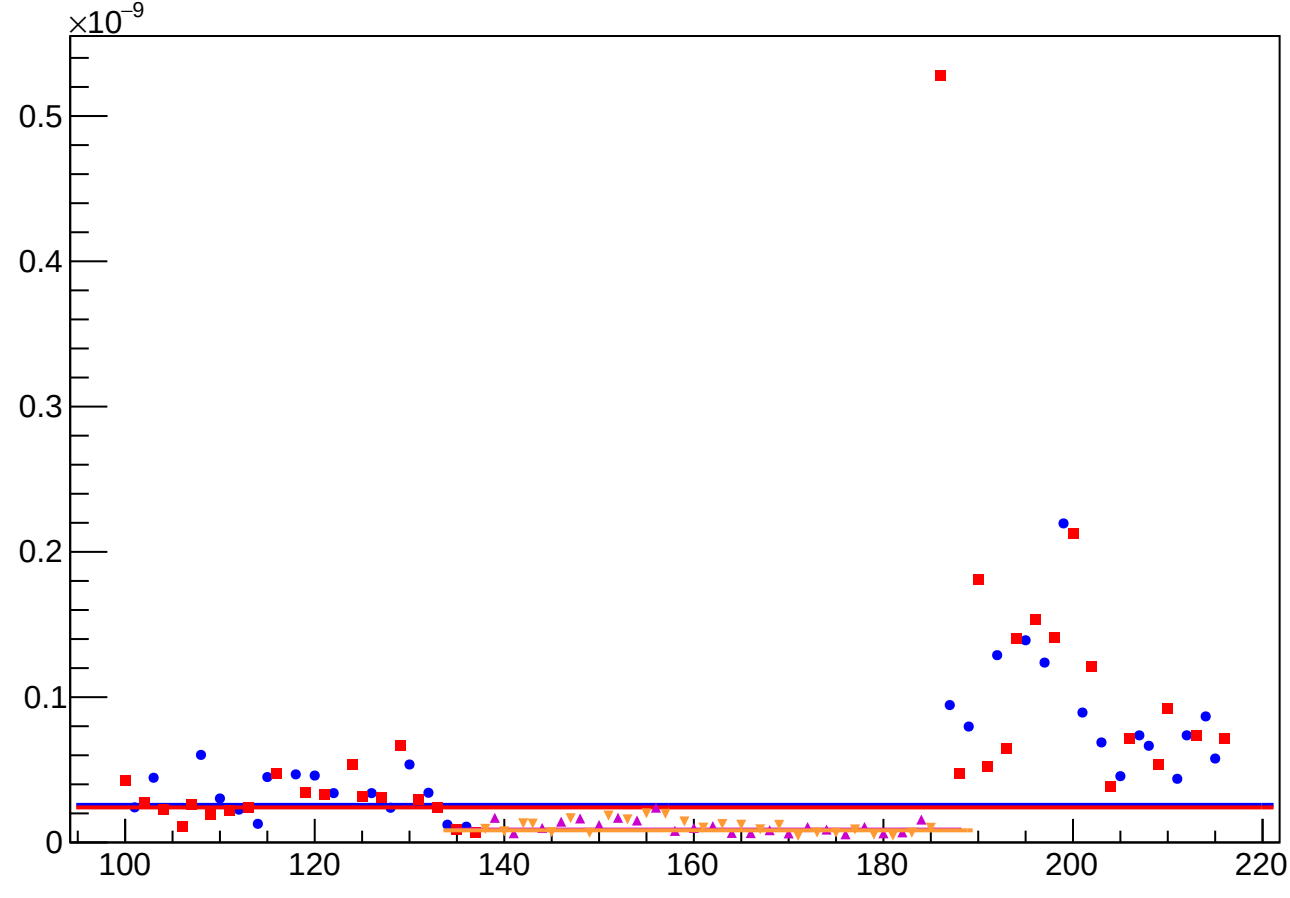
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 63.7/65

In: 0.000+/-0.000 χ^2/NDF:48.6/53

Out: -0.000+/-0.000 χ^2/NDF:52.0/59

All: -0.000+/-0.000 χ^2/NDF: 101.0/113



Right In: 0.000+/-0.000 χ^2/NDF: 7086513.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7252187.9/34

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

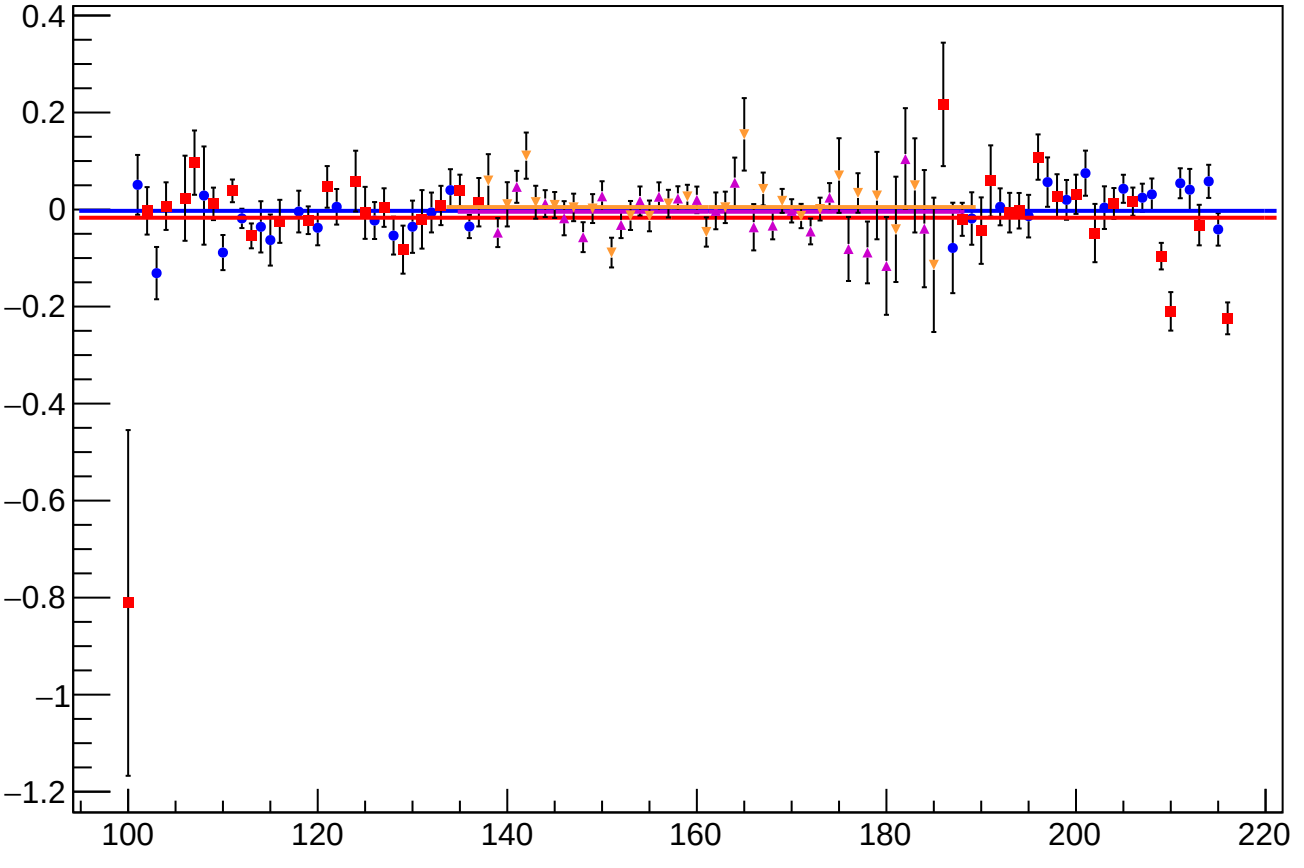
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14361346.7/65

In: 0.000+/-0.000 χ^2/NDF:12563807.4/53

Out: 0.000+/-0.000 χ^2/NDF:12962848.3/59

All: 0.000+/-0.000 χ^2/NDF: 25567885.3/113



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: -0.017+/-0.007 χ^2/NDF: 115.3/34

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

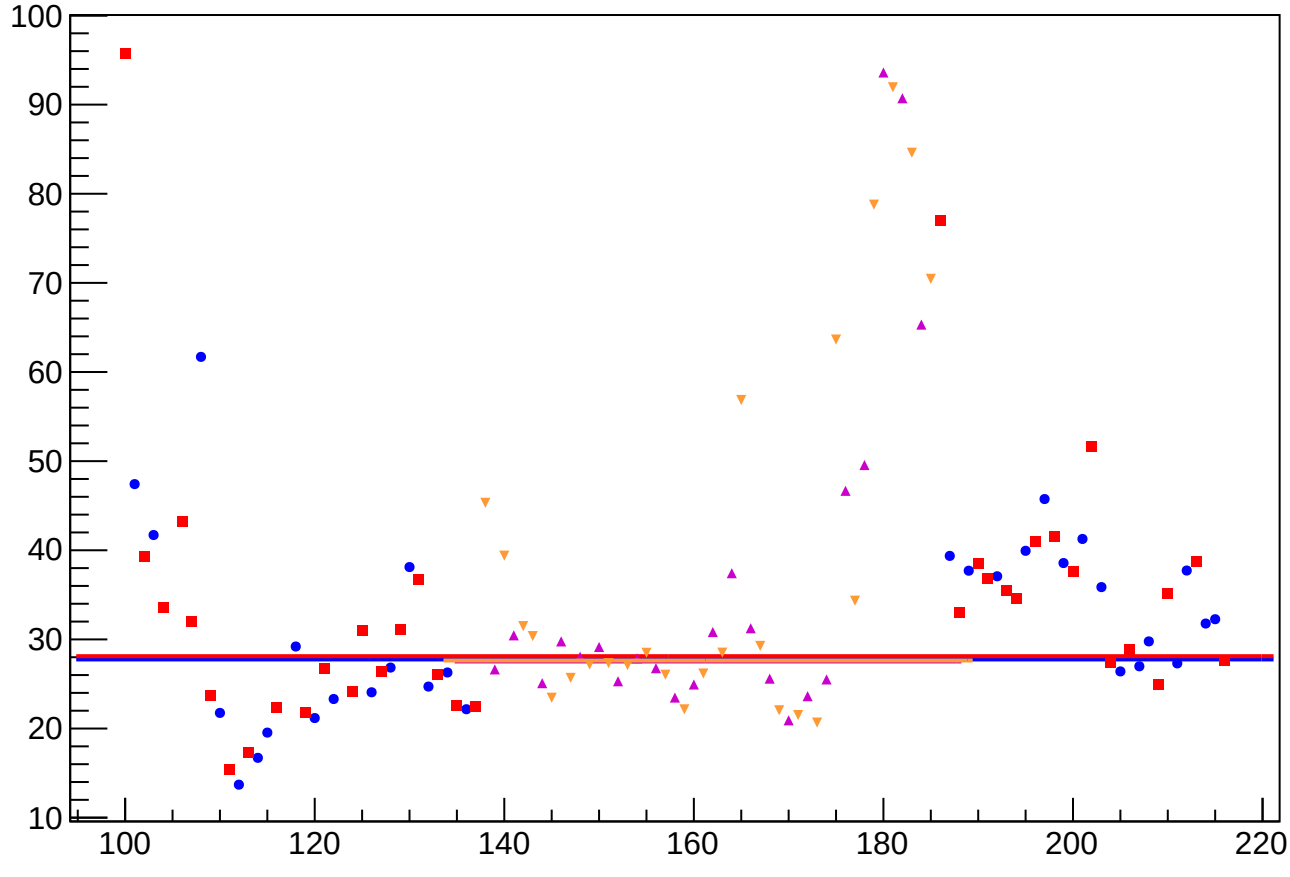
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.010+/-0.005 χ^2/NDF: 156.8/65

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.006+/-0.005 χ^2/NDF:148.9/59

All: -0.005+/-0.003 χ^2/NDF: 213.5/113



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: 28.118+/-0.005 χ^2/NDF: 3046234.5/34

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

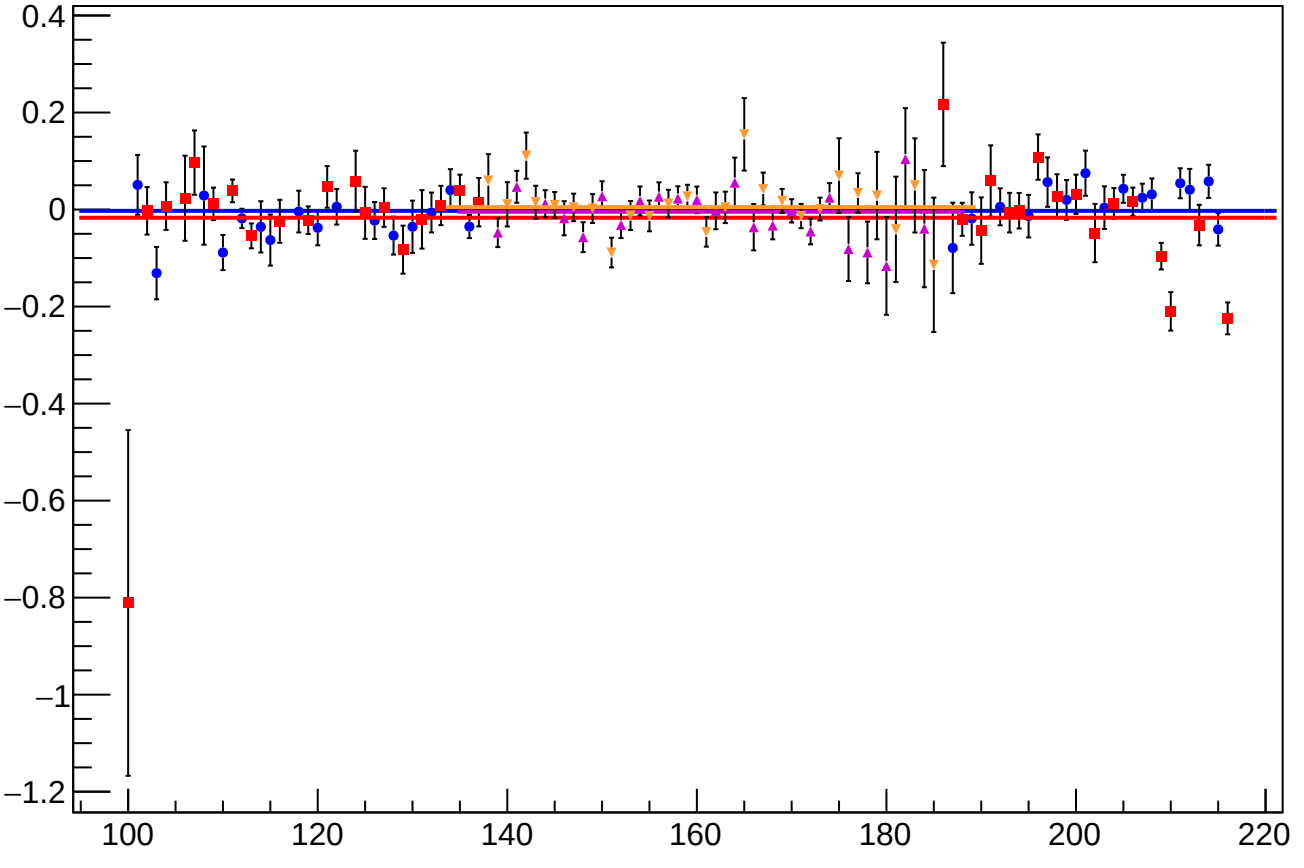
Right: 27.936+/-0.003 χ^2/NDF: 6296507.2/65

In: 27.642+/-0.003 χ^2/NDF:5883023.9/53

Out: 27.879+/-0.003 χ^2/NDF:7025346.7/59

All: 27.761+/-0.002 χ^2/NDF: 12910768.9/113

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.017+/-0.007 χ^2/NDF: 115.3/34

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

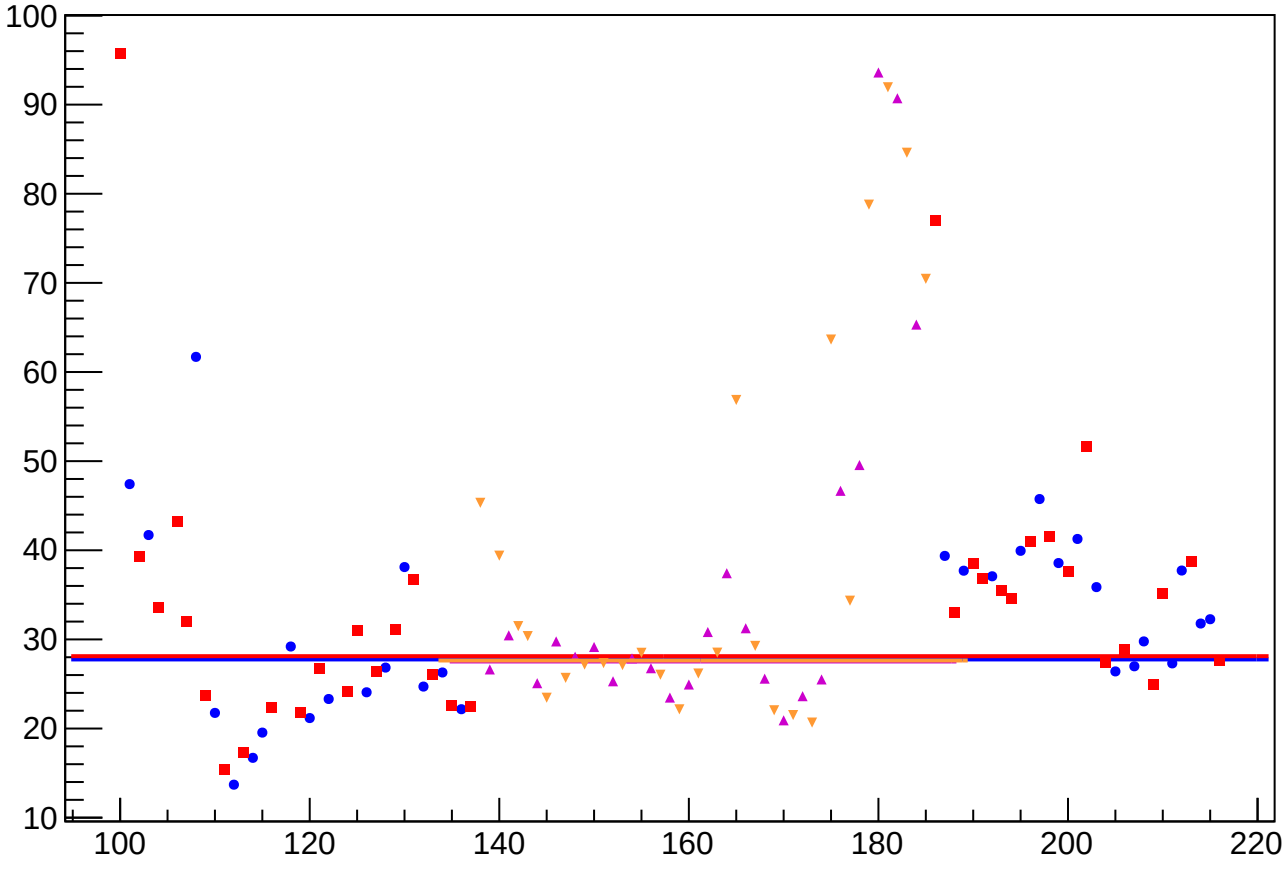
Right: -0.010+/-0.005 χ^2/NDF: 156.8/65

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.006+/-0.005 χ^2/NDF:148.9/59

All: -0.005+/-0.003 χ^2/NDF: 213.5/113

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 28.118+/-0.005 χ^2/NDF: 3046234.5/34

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

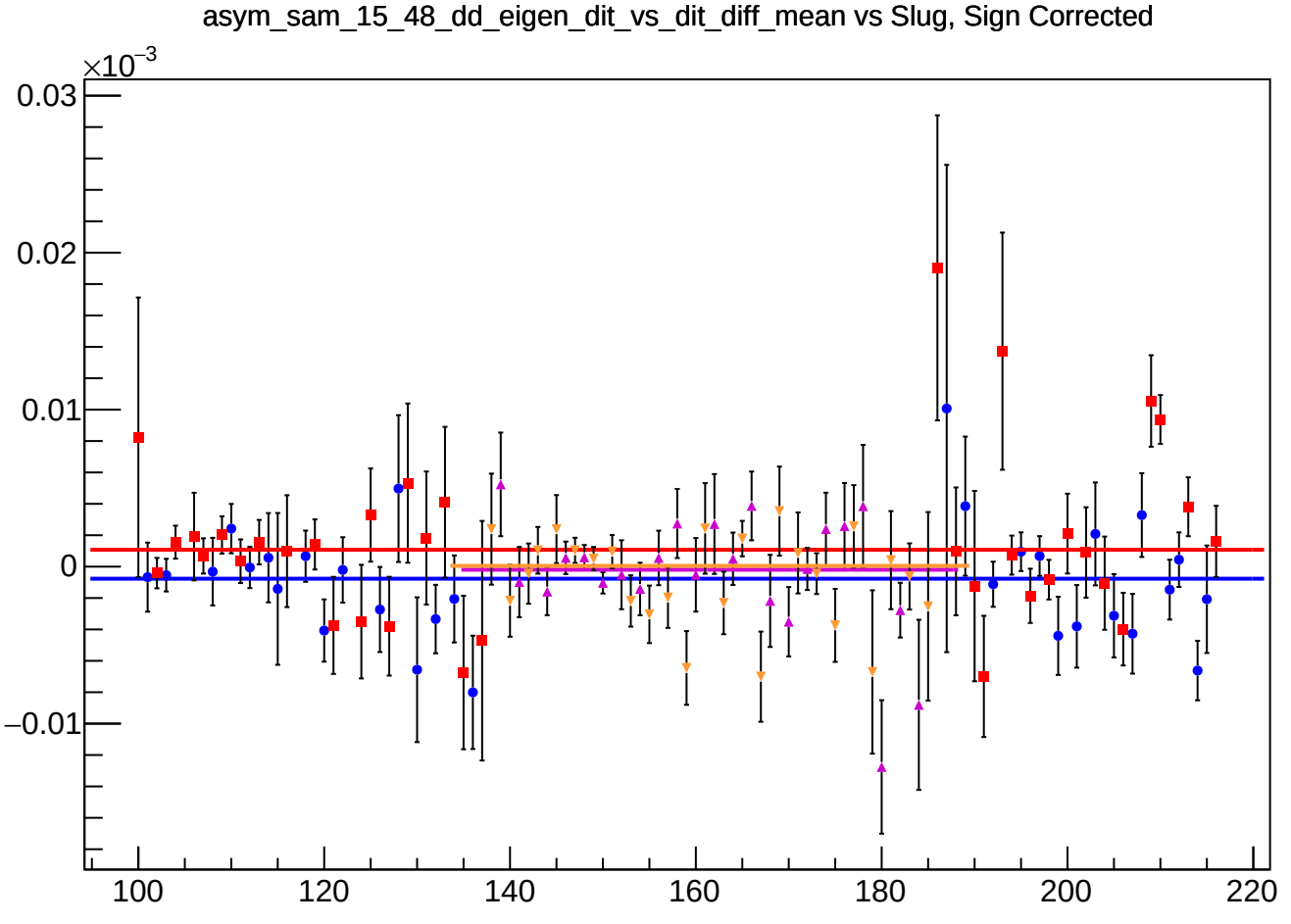
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.936+/-0.003 χ^2/NDF: 6296507.2/65

In: 27.642+/-0.003 χ^2/NDF:5883023.9/53

Out: 27.879+/-0.003 χ^2/NDF:7025346.7/59

All: 27.761+/-0.002 χ^2/NDF: 12910768.9/113



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: 78.5/34

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

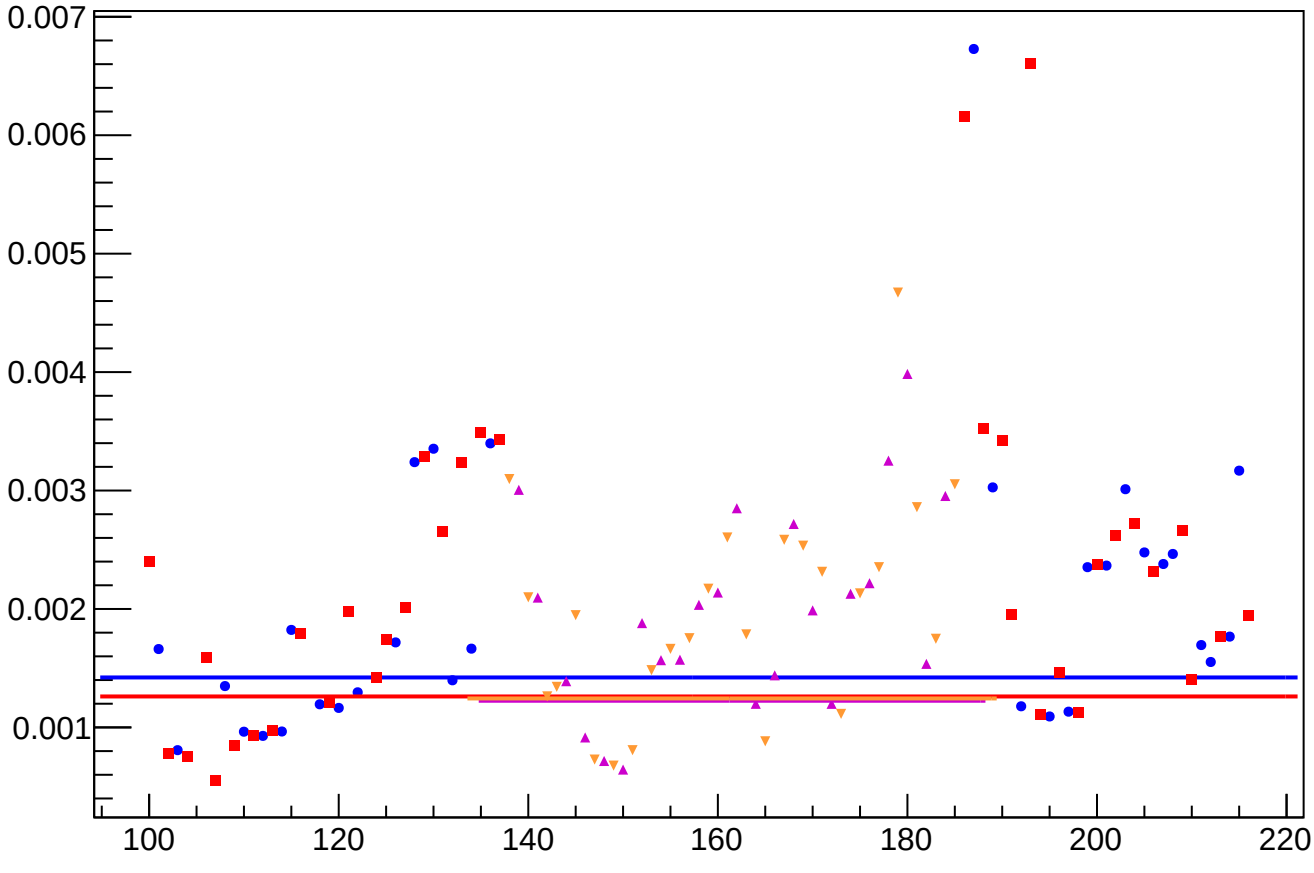
Right: 0.000+/-0.000 χ^2/NDF: 134.6/65

In: -0.000+/-0.000 χ^2/NDF:76.6/53

Out: 0.000+/-0.000 χ^2/NDF:120.3/59

All: 0.000+/-0.000 χ^2/NDF: 205.9/113

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5965874.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9109025.1/34

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

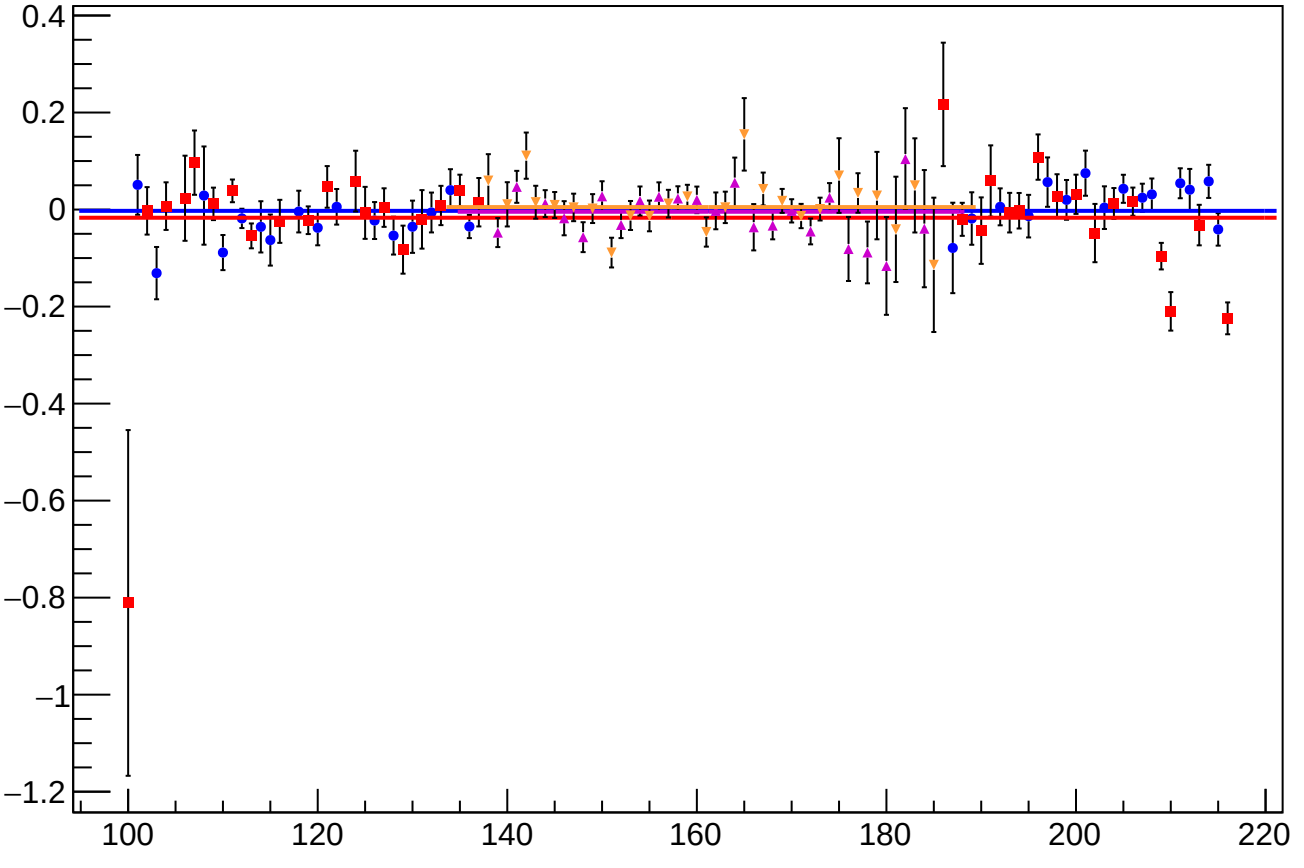
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 15288300.7/65

In: 0.001+/-0.000 χ^2/NDF:14109334.5/53

Out: 0.001+/-0.000 χ^2/NDF:17452706.0/59

All: 0.001+/-0.000 χ^2/NDF: 31630013.4/113



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: -0.017+/-0.007 χ^2/NDF: 115.3/34

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

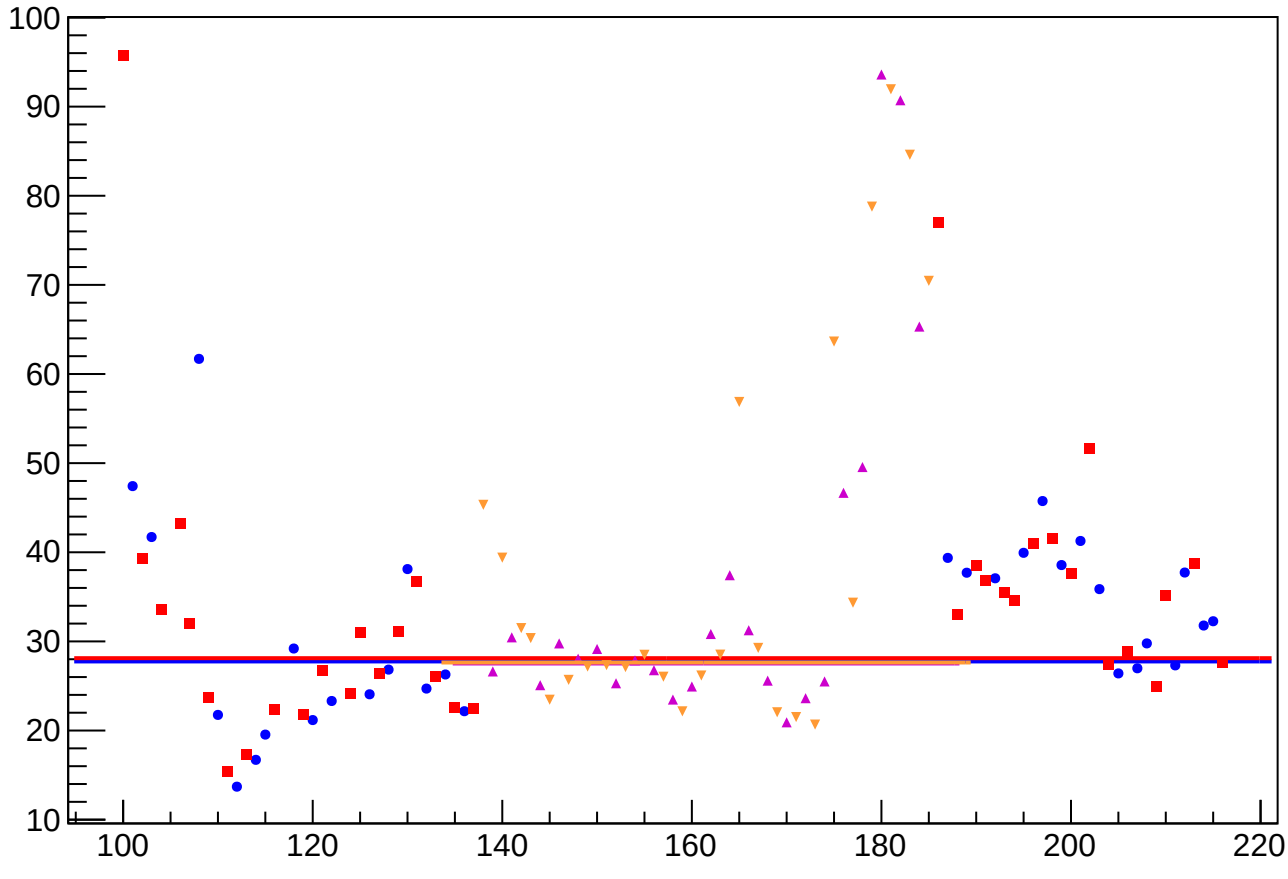
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.010+/-0.005 χ^2/NDF: 156.8/65

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.006+/-0.005 χ^2/NDF:148.9/59

All: -0.005+/-0.003 χ^2/NDF: 213.5/113



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: 28.118+/-0.005 χ^2/NDF: 3046329.2/34

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

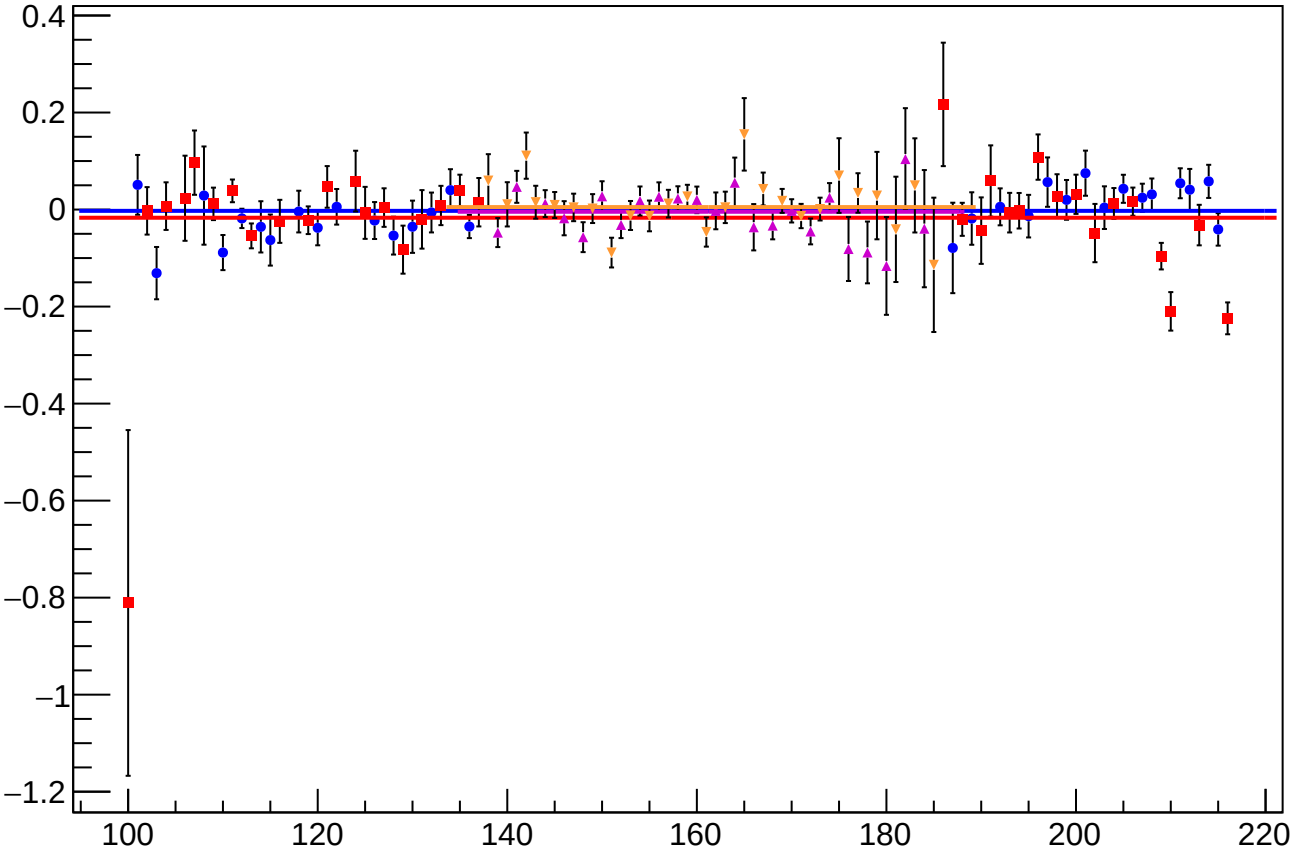
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.936+/-0.003 χ^2/NDF: 6296579.7/65

In: 27.642+/-0.003 χ^2/NDF:5882966.2/53

Out: 27.879+/-0.003 χ^2/NDF:7025373.6/59

All: 27.762+/-0.002 χ^2/NDF: 12910739.9/113



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: -0.017+/-0.007 χ^2/NDF: 115.3/34

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

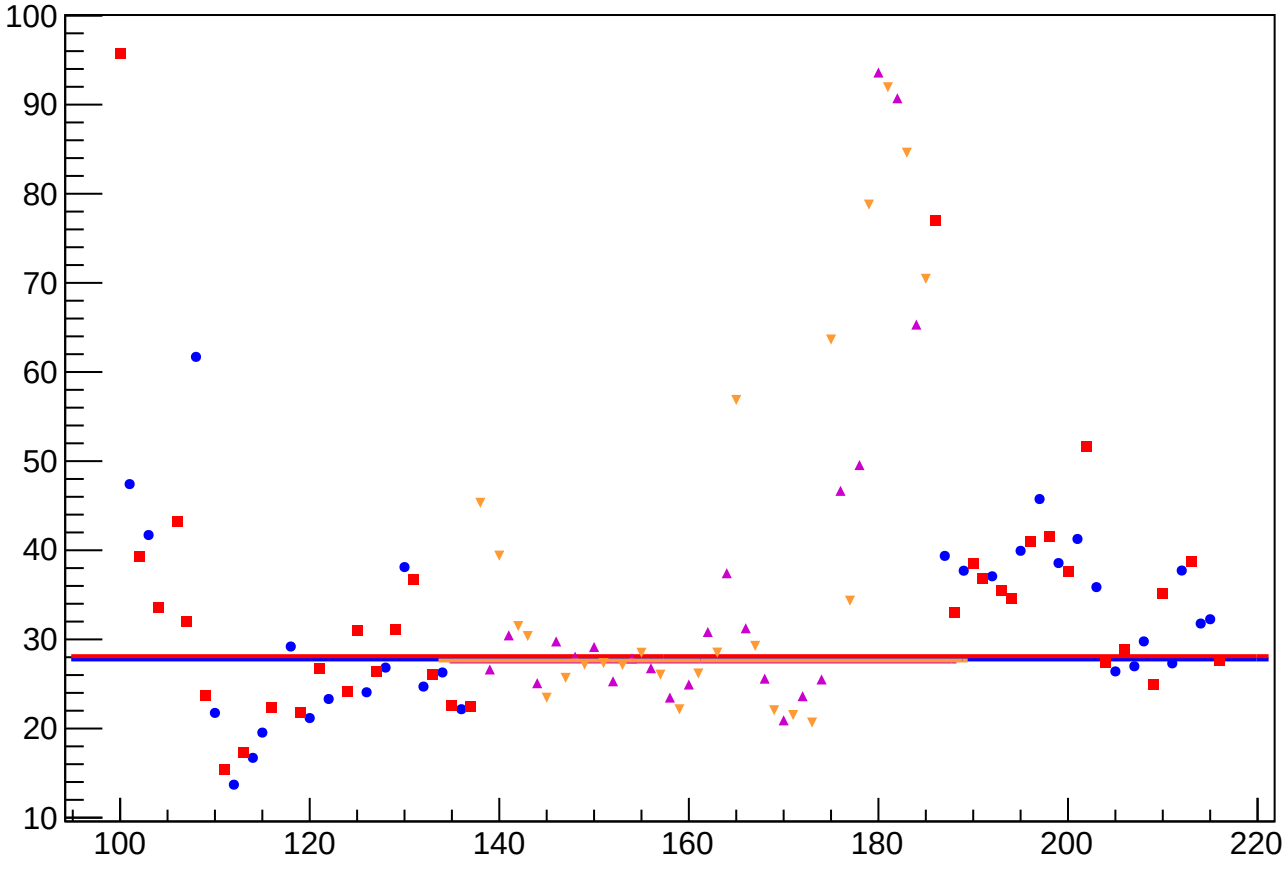
Right: -0.010+/-0.005 χ^2/NDF: 156.8/65

In: -0.004+/-0.005 χ^2/NDF:64.4/53

Out: -0.006+/-0.005 χ^2/NDF:148.9/59

All: -0.005+/-0.003 χ^2/NDF: 213.5/113

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: 28.118+/-0.005 χ^2/NDF: 3046329.2/34

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

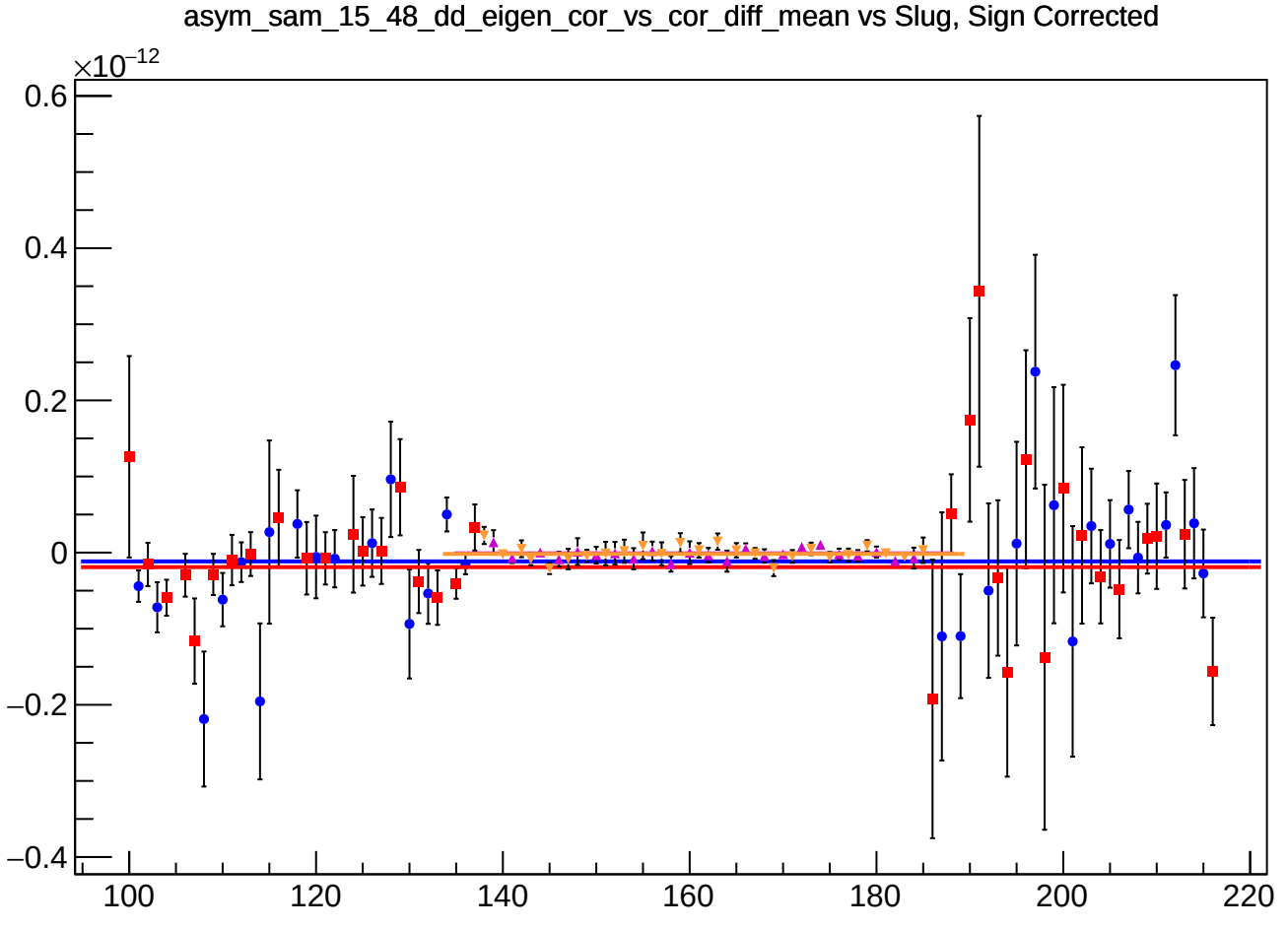
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.936+/-0.003 χ^2/NDF: 6296579.7/65

In: 27.642+/-0.003 χ^2/NDF:5882966.2/53

Out: 27.879+/-0.003 χ^2/NDF:7025373.6/59

All: 27.762+/-0.002 χ^2/NDF: 12910739.9/113



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: 33.8/34

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

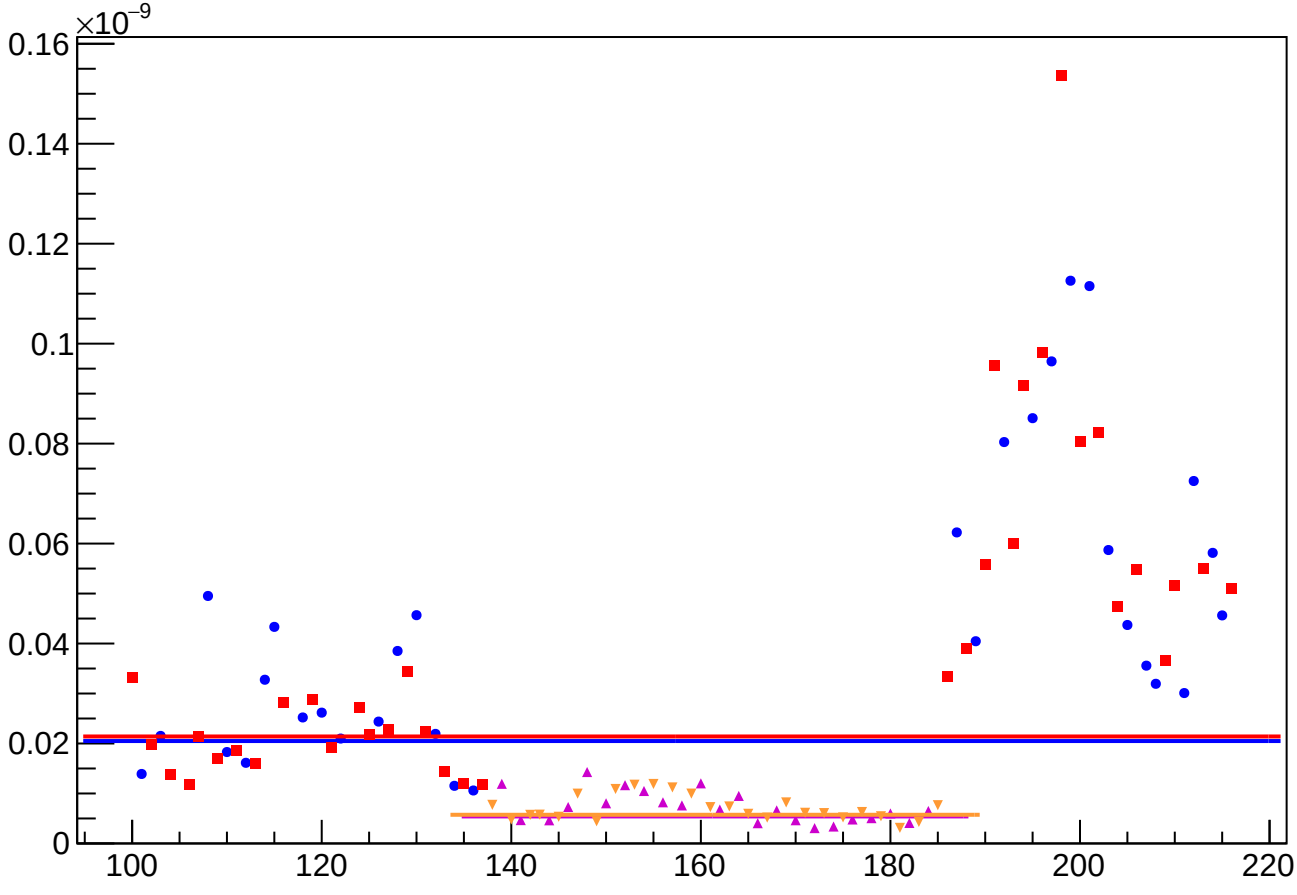
Right: -0.000+/-0.000 χ^2/NDF: 82.0/65

In: -0.000+/-0.000 χ^2/NDF:66.3/53

Out: -0.000+/-0.000 χ^2/NDF:63.5/59

All: -0.000+/-0.000 χ^2/NDF: 130.0/113

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: 7355094.3/34

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

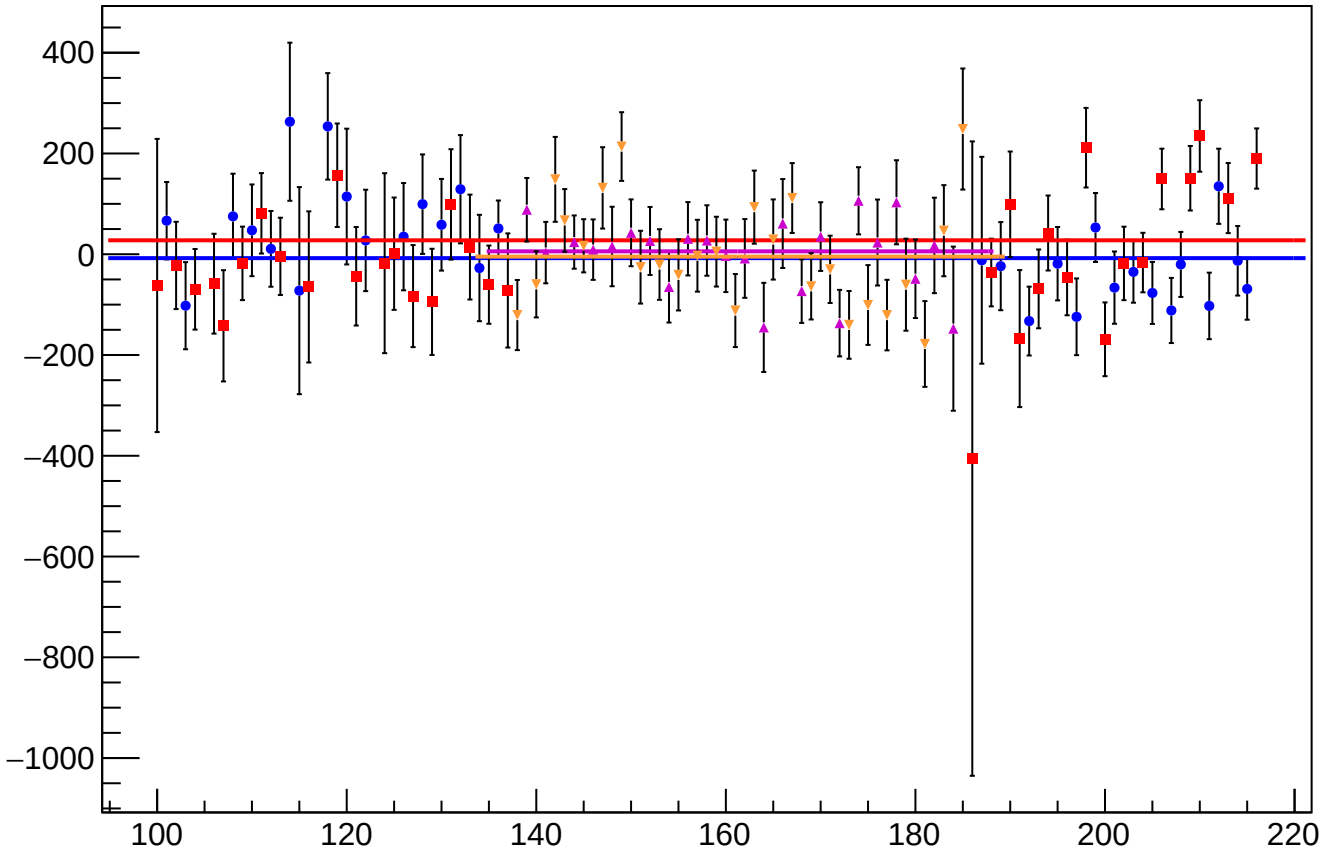
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15784419.7/65

In: 0.000+/-0.000 χ^2/NDF:20285946.0/53

Out: 0.000+/-0.000 χ^2/NDF:18594292.6/59

All: 0.000+/-0.000 χ^2/NDF: 38917693.5/113



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: 27.652+/-14.315 χ^2/NDF: 58.8/34

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

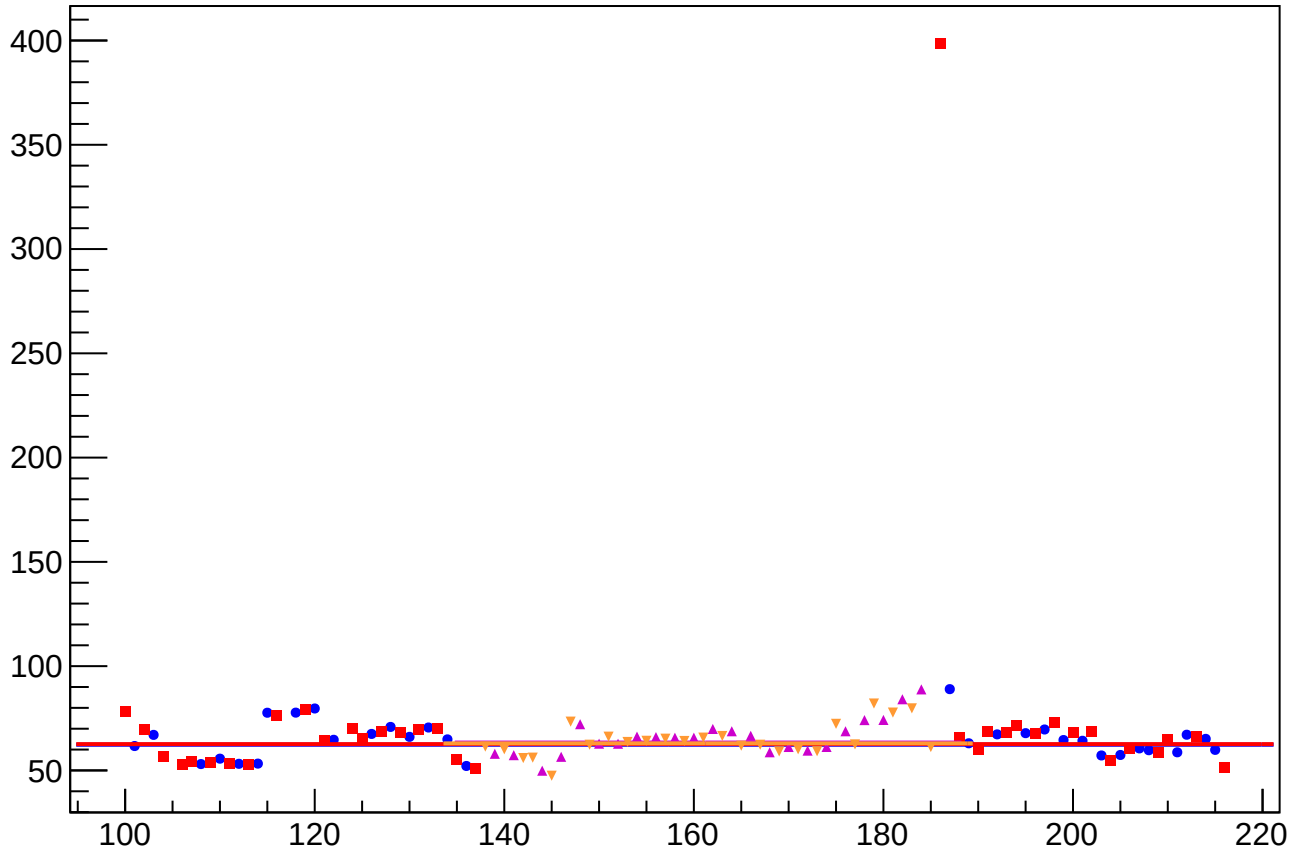
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 9.931+/-10.113 χ^2/NDF: 98.2/65

In: -1.272+/-10.324 χ^2/NDF:55.0/53

Out: 11.587+/-10.163 χ^2/NDF:108.7/59

All: 5.258+/-7.243 χ^2/NDF: 164.6/113



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: 62.610+/-0.010 χ^2/NDF: 1104312.1/34

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

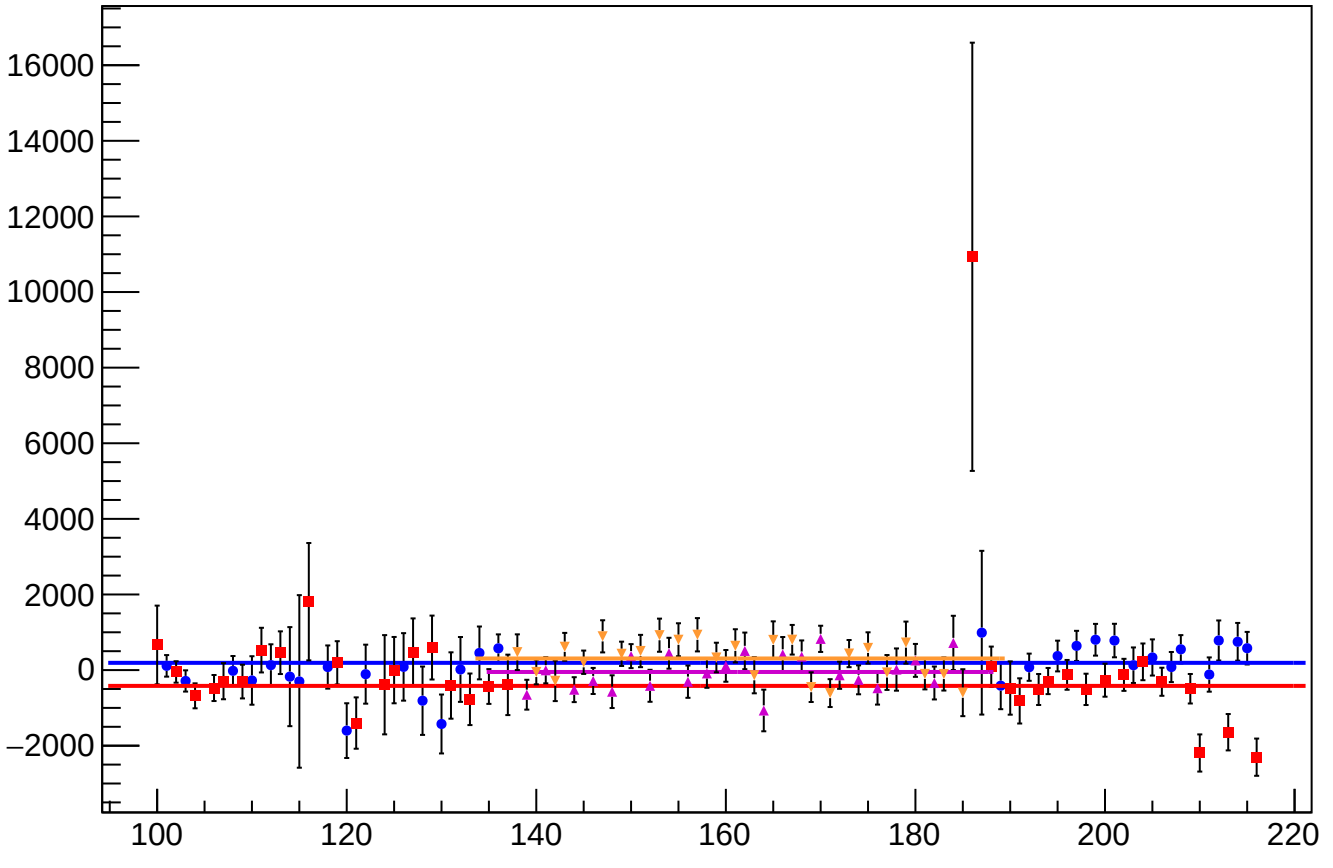
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.462+/-0.007 χ^2/NDF: 1503975.7/65

In: 62.817+/-0.007 χ^2/NDF:901332.8/53

Out: 62.791+/-0.007 χ^2/NDF:1631822.2/59

All: 62.804+/-0.005 χ^2/NDF: 2533161.3/113



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: -417.974+/-83.707 χ^2/NDF: 59.6/34

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

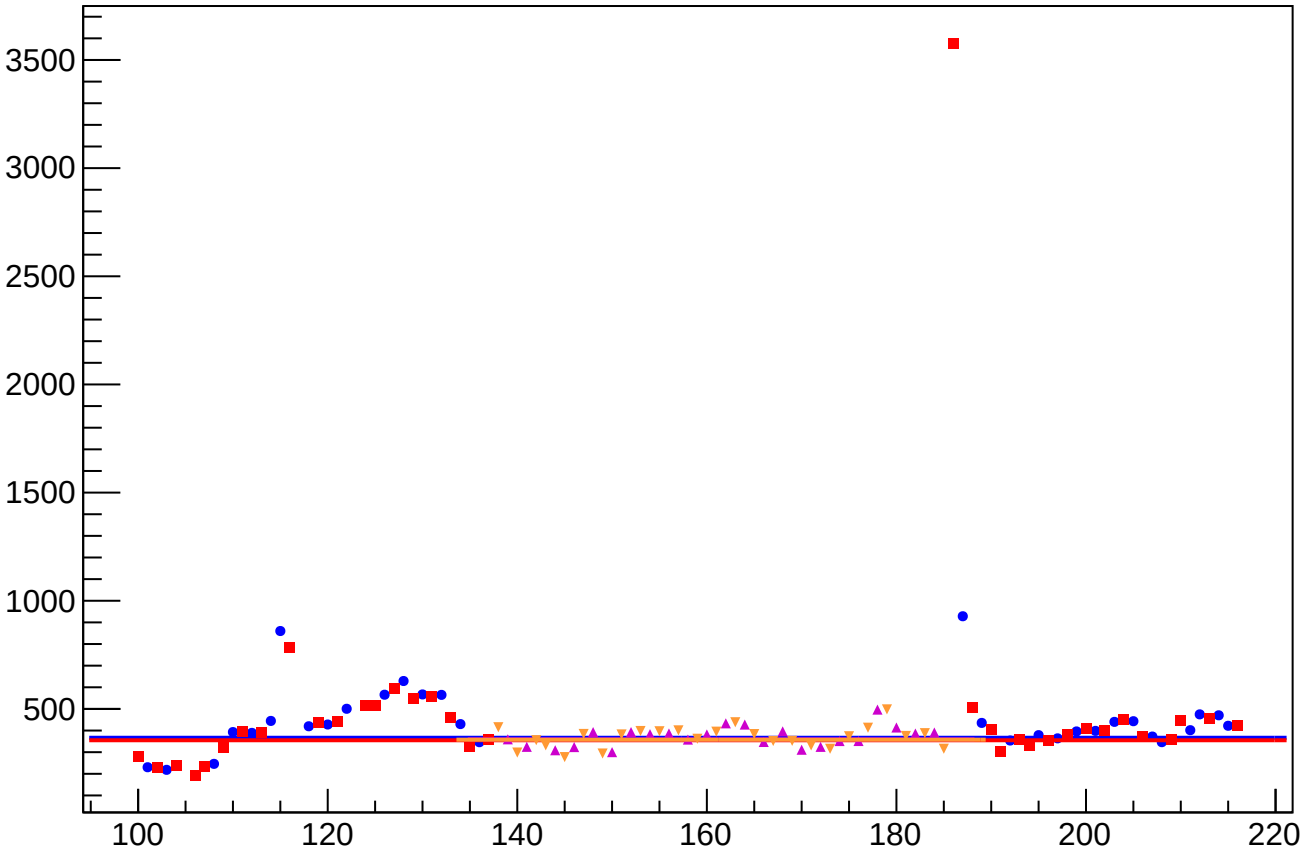
Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

Right: -123.494+/-60.192 χ^2/NDF: 113.7/65

In: 68.383+/-60.609 χ^2/NDF:59.7/53

Out: -49.518+/-58.708 χ^2/NDF:128.3/59

All: 7.555+/-42.169 χ^2/NDF: 190.0/113



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: 355.128+/-0.059 χ^2/NDF: 3203148.7/34

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

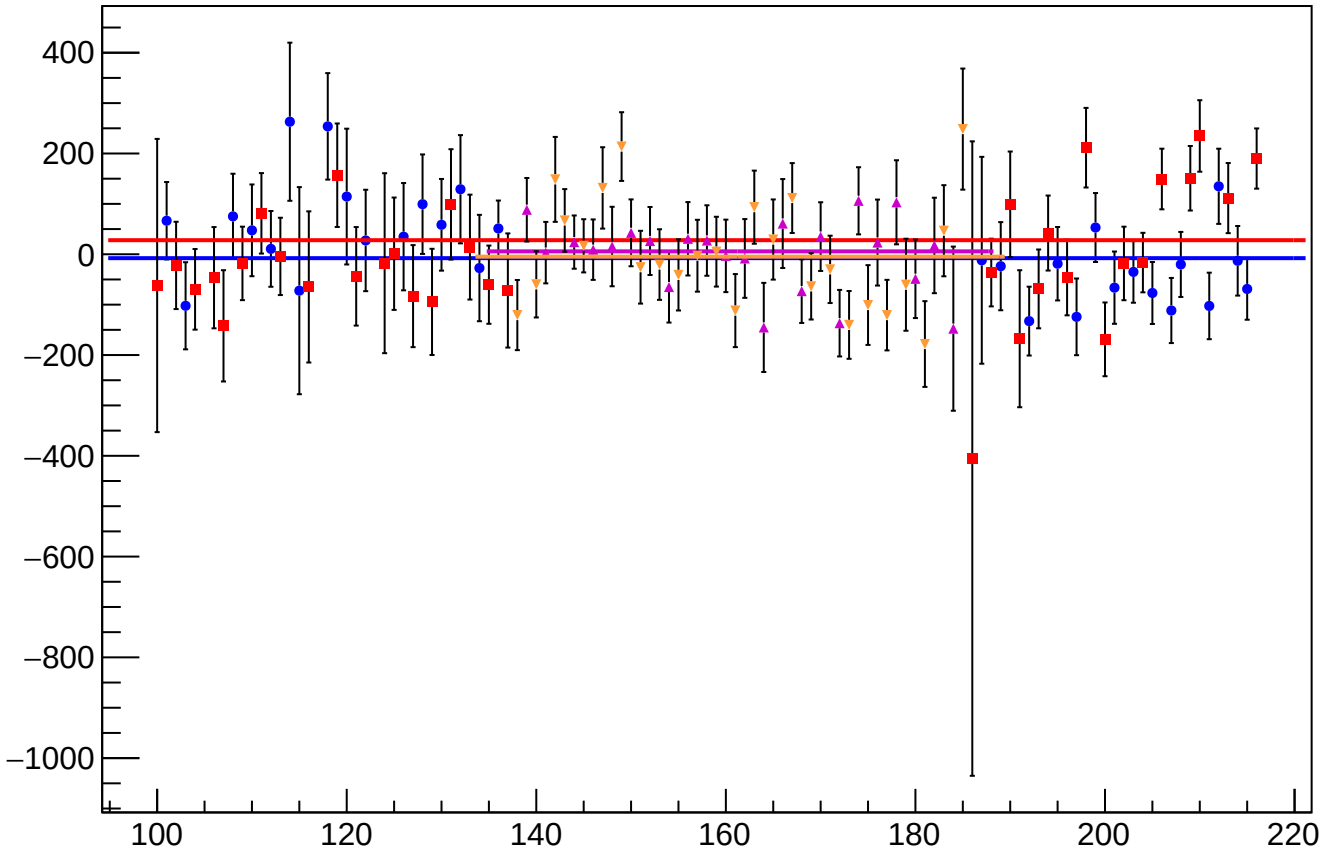
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 360.713+/-0.043 χ^2/NDF: 5655808.5/65

In: 362.946+/-0.043 χ^2/NDF:2961319.0/53

Out: 356.451+/-0.042 χ^2/NDF:3887862.1/59

All: 359.595+/-0.030 χ^2/NDF: 6861029.7/113



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: 27.946+/-14.319 χ^2/NDF: 58.6/34

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

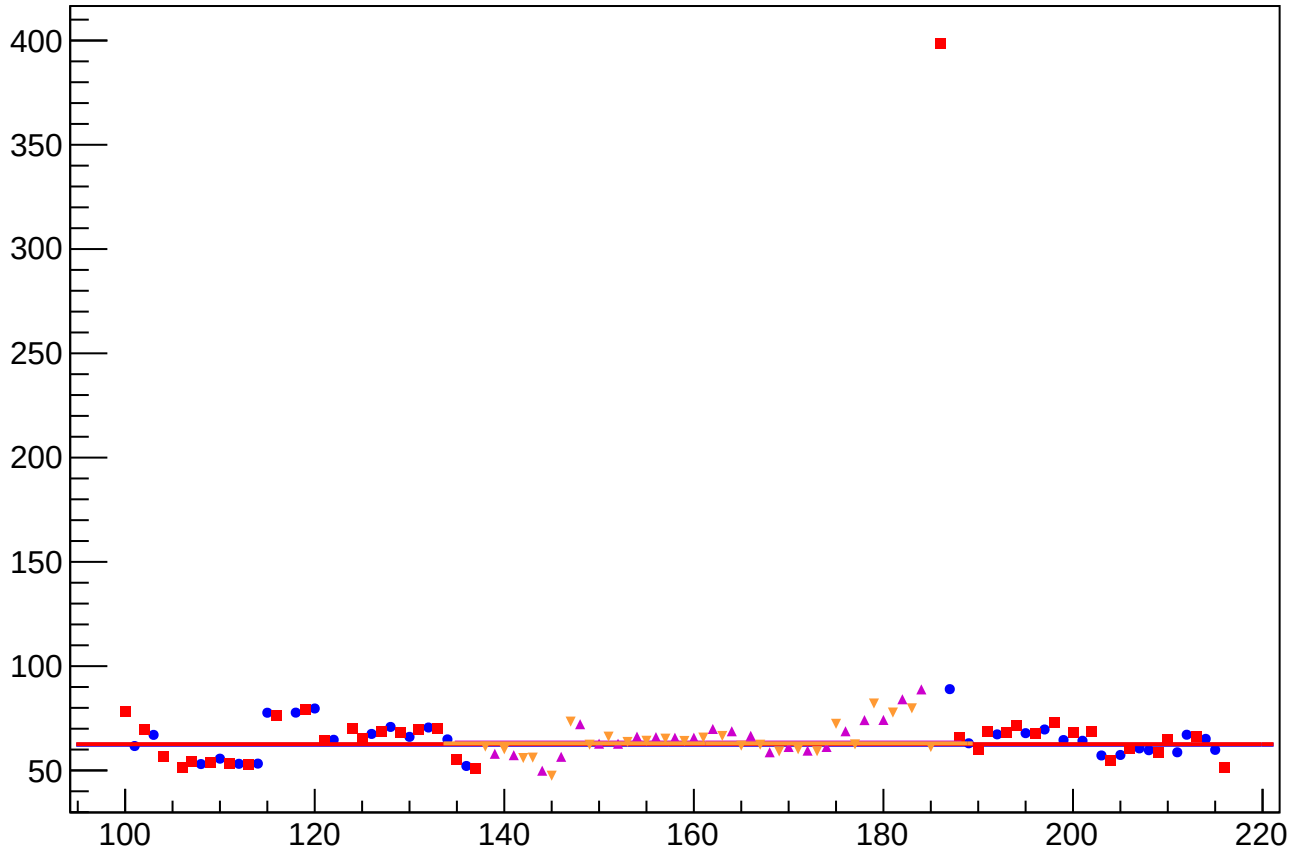
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 10.071+/-10.115 χ^2/NDF: 98.1/65

In: -1.275+/-10.324 χ^2/NDF:55.0/53

Out: 11.727+/-10.165 χ^2/NDF:108.6/59

All: 5.327+/-7.243 χ^2/NDF: 164.4/113



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: 62.594+/-0.010 χ^2/NDF: 1108223.0/34

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

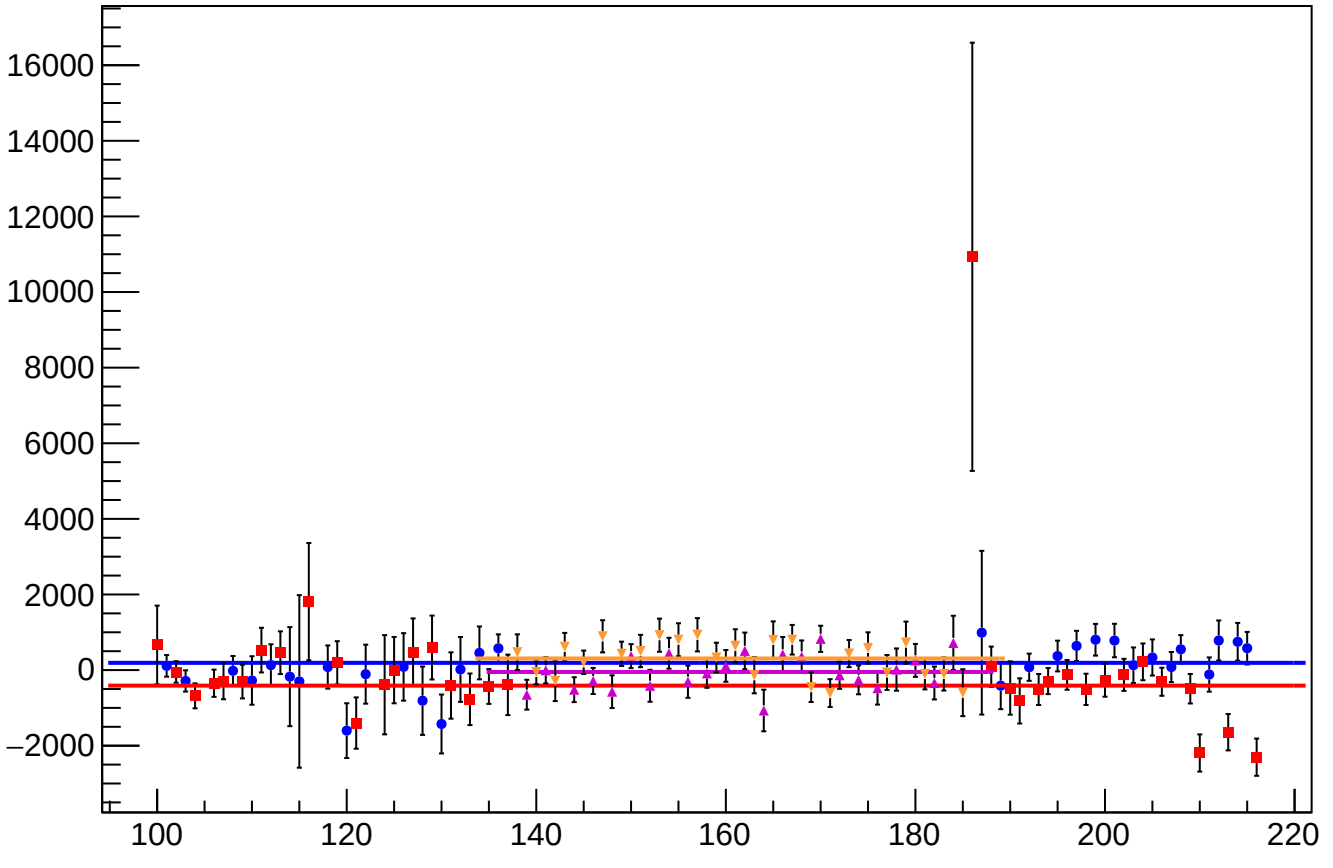
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.454+/-0.007 χ^2/NDF: 1507843.4/65

In: 62.817+/-0.007 χ^2/NDF:901333.0/53

Out: 62.784+/-0.007 χ^2/NDF:1635788.9/59

All: 62.800+/-0.005 χ^2/NDF: 2537132.6/113



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: -410.965+/-83.928 χ^2/NDF: 59.5/34

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

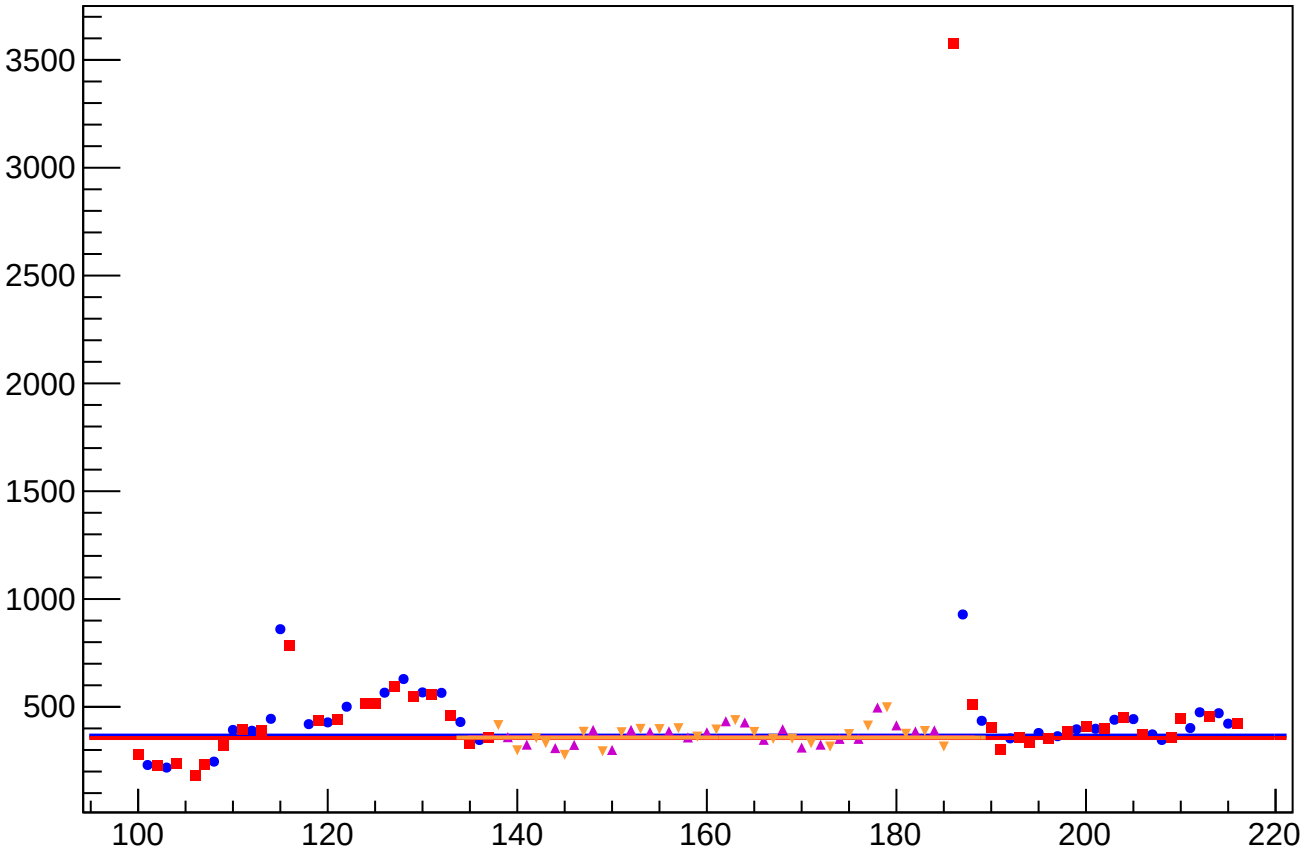
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

Right: -119.075+/-60.274 χ^2/NDF: 113.0/65

In: 68.386+/-60.609 χ^2/NDF:59.7/53

Out: -45.128+/-58.784 χ^2/NDF:127.5/59

All: 9.895+/-42.197 χ^2/NDF: 189.0/113



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: 355.434+/-0.059 χ^2/NDF: 3216922.9/34

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

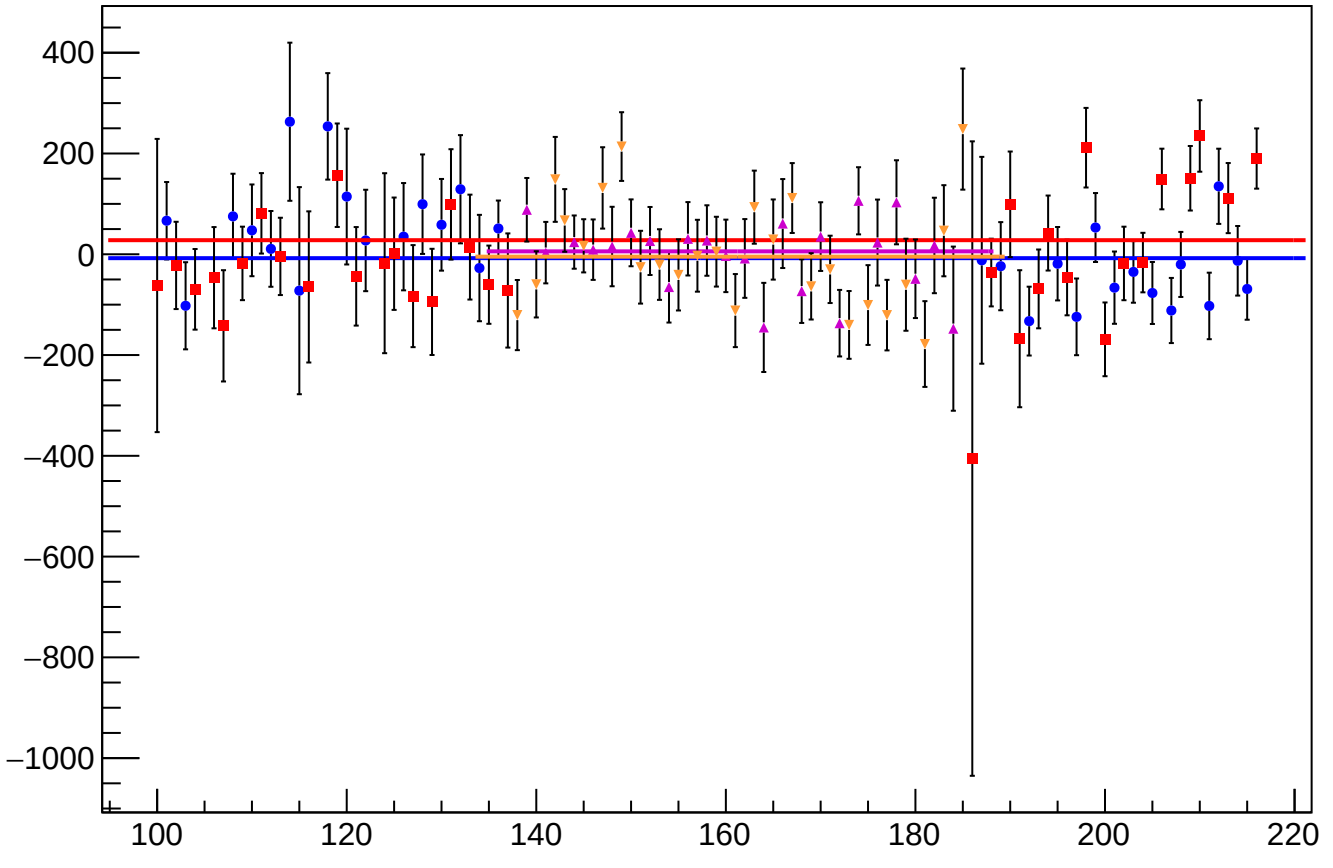
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 360.887+/-0.043 χ^2/NDF: 5668488.0/65

In: 362.946+/-0.043 χ^2/NDF:2961233.7/53

Out: 356.605+/-0.042 χ^2/NDF:3901412.6/59

All: 359.679+/-0.030 χ^2/NDF: 6873929.0/113



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: 27.946+/-14.319 χ^2/NDF: 58.6/34

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

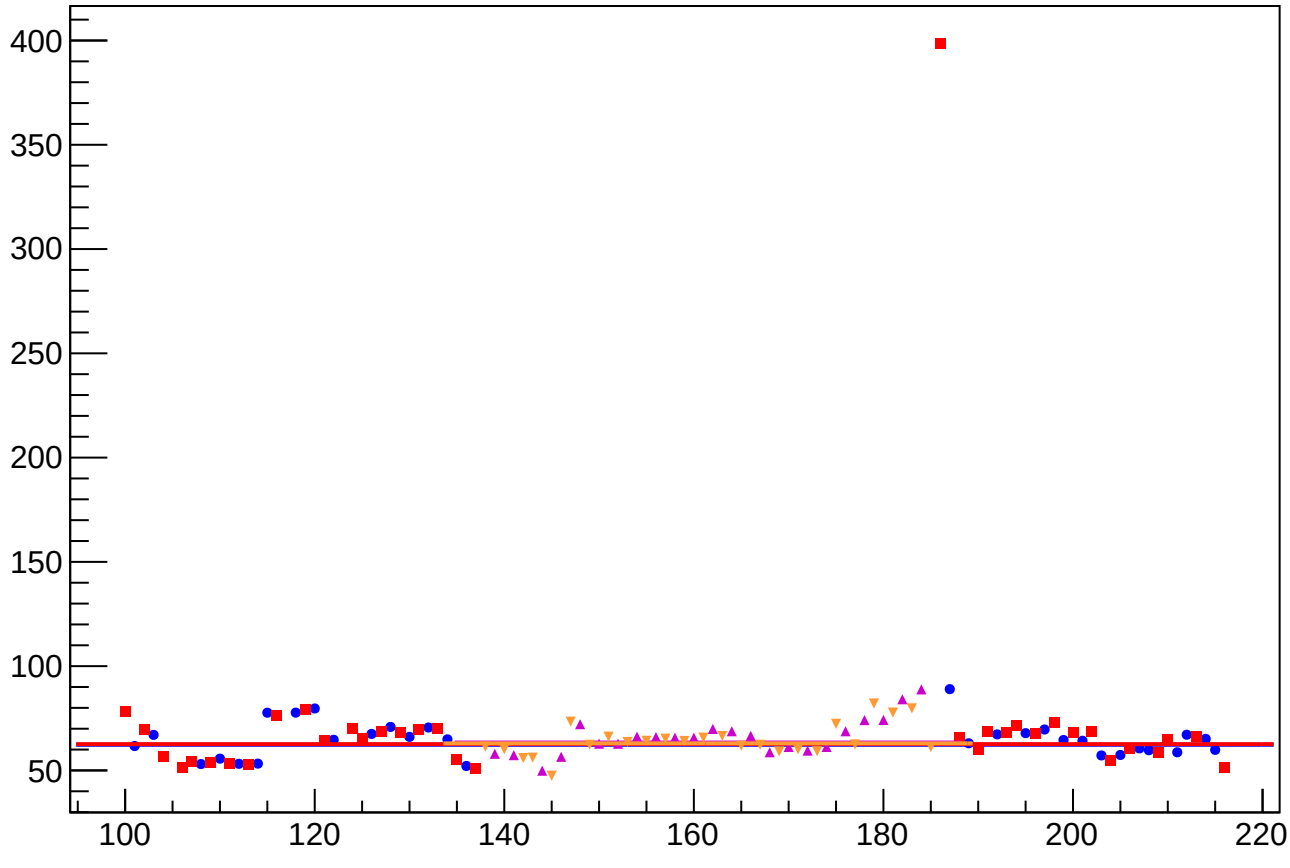
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 10.071+/-10.115 χ^2/NDF: 98.1/65

In: -1.275+/-10.324 χ^2/NDF:55.0/53

Out: 11.727+/-10.165 χ^2/NDF:108.6/59

All: 5.327+/-7.243 χ^2/NDF: 164.4/113



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: 62.594+/-0.010 χ^2/NDF: 1108223.0/34

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

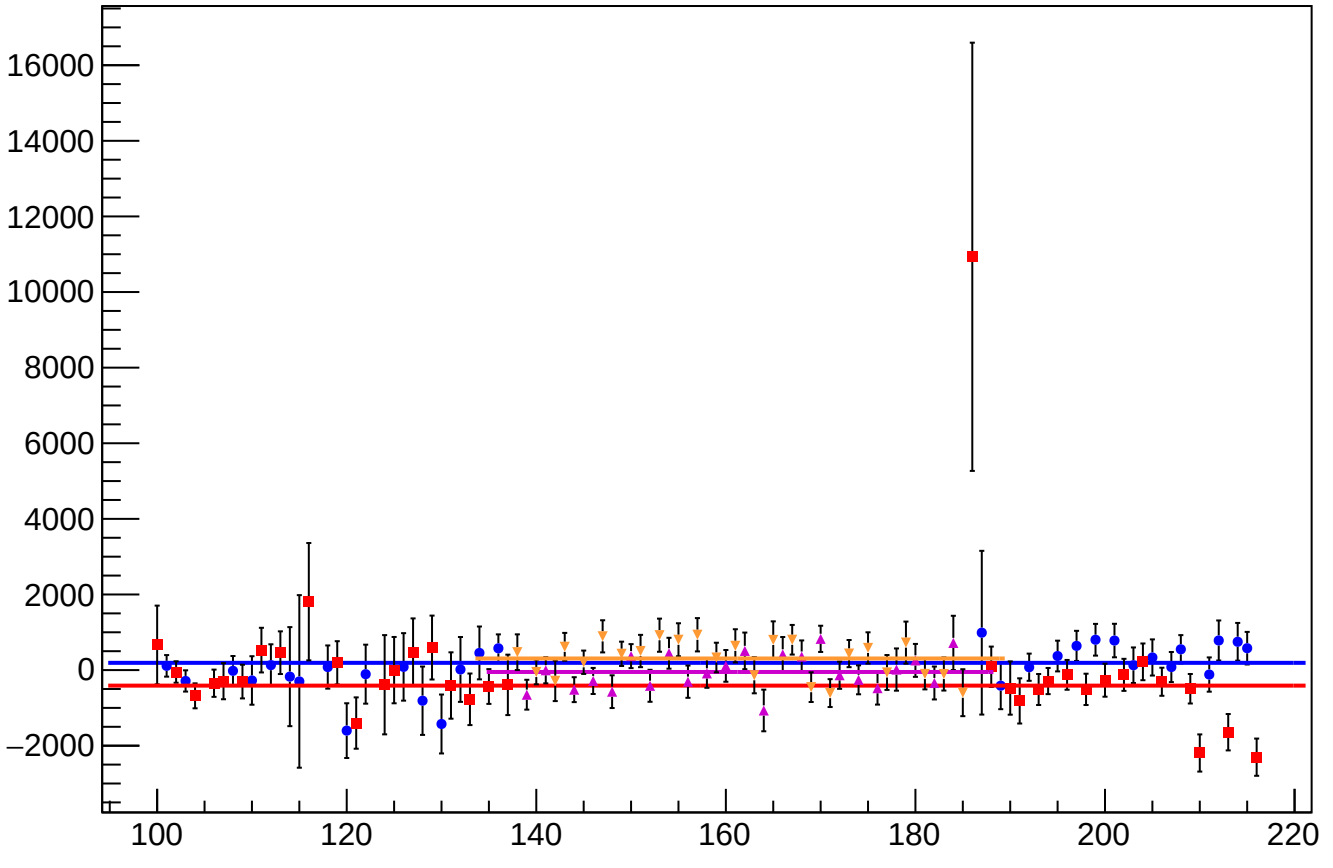
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.454+/-0.007 χ^2/NDF: 1507843.4/65

In: 62.817+/-0.007 χ^2/NDF:901333.0/53

Out: 62.784+/-0.007 χ^2/NDF:1635788.9/59

All: 62.800+/-0.005 χ^2/NDF: 2537132.6/113



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: -410.965+/-83.928 χ^2/NDF: 59.5/34

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

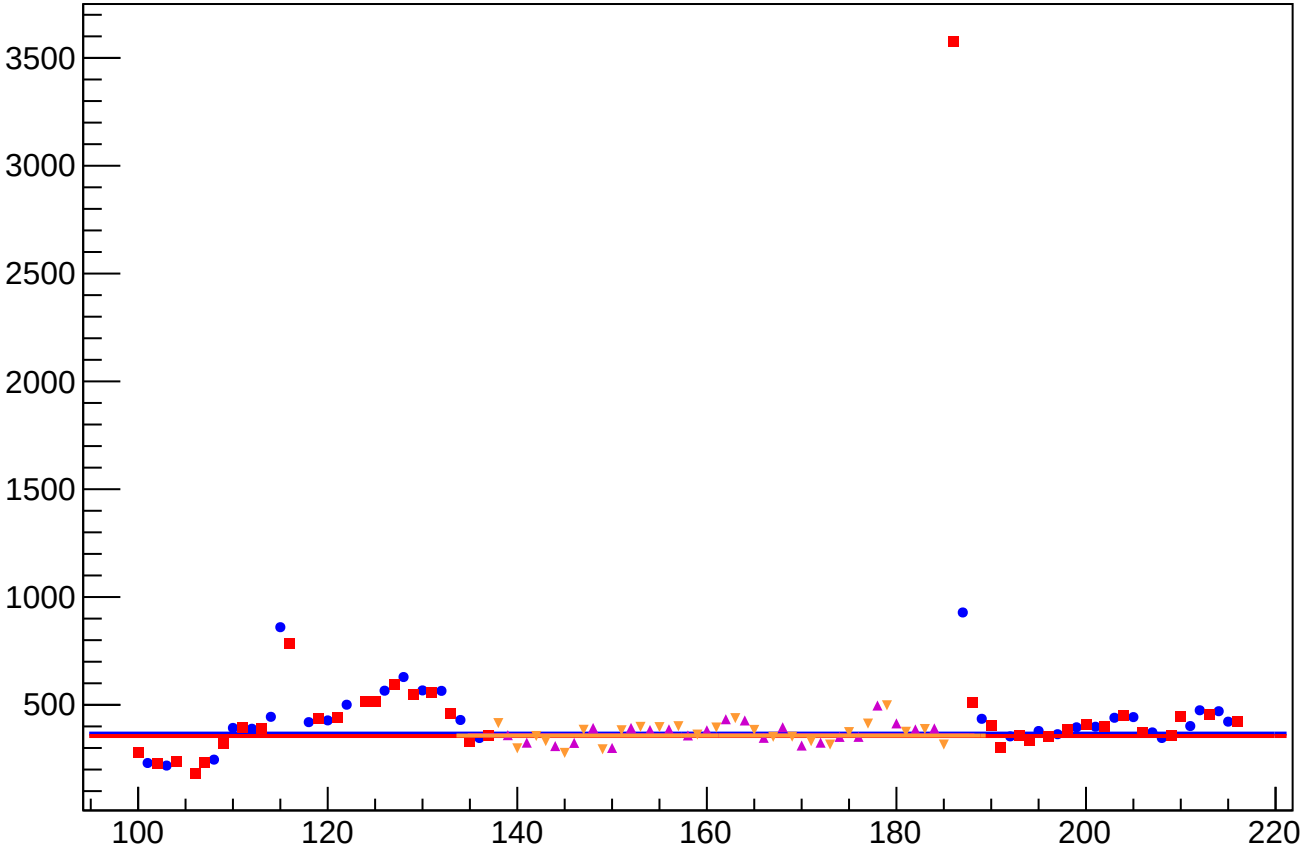
Right: -119.075+/-60.274 χ^2/NDF: 113.0/65

In: 68.386+/-60.609 χ^2/NDF:59.7/53

Out: -45.128+/-58.784 χ^2/NDF:127.5/59

All: 9.895+/-42.197 χ^2/NDF: 189.0/113

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: 355.434+/-0.059 χ^2/NDF: 3216922.9/34

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

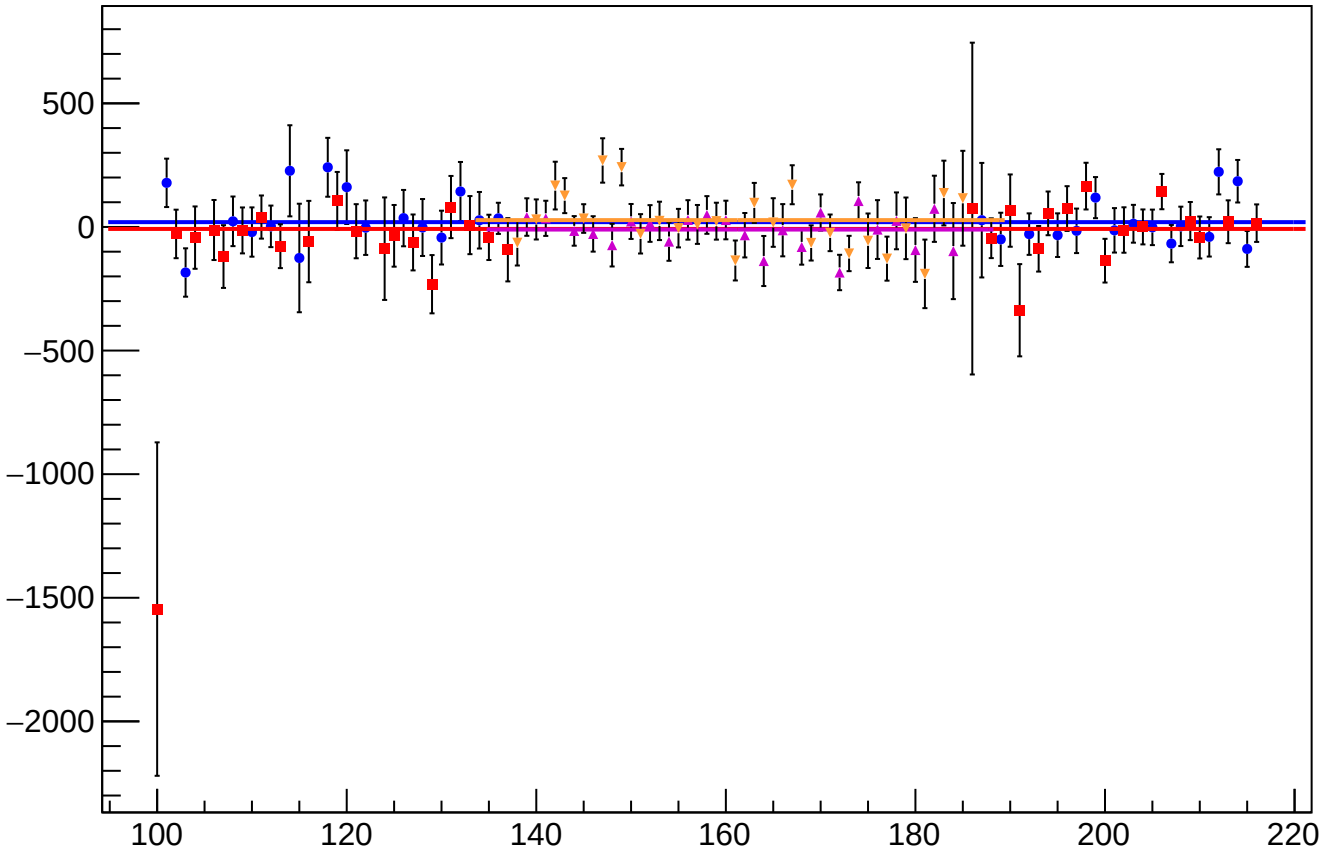
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 360.887+/-0.043 χ^2/NDF: 5668488.0/65

In: 362.946+/-0.043 χ^2/NDF:2961233.7/53

Out: 356.605+/-0.042 χ^2/NDF:3901412.6/59

All: 359.679+/-0.030 χ^2/NDF: 6873929.0/113



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: -7.949+/-17.180 χ^2/NDF: 29.4/34

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

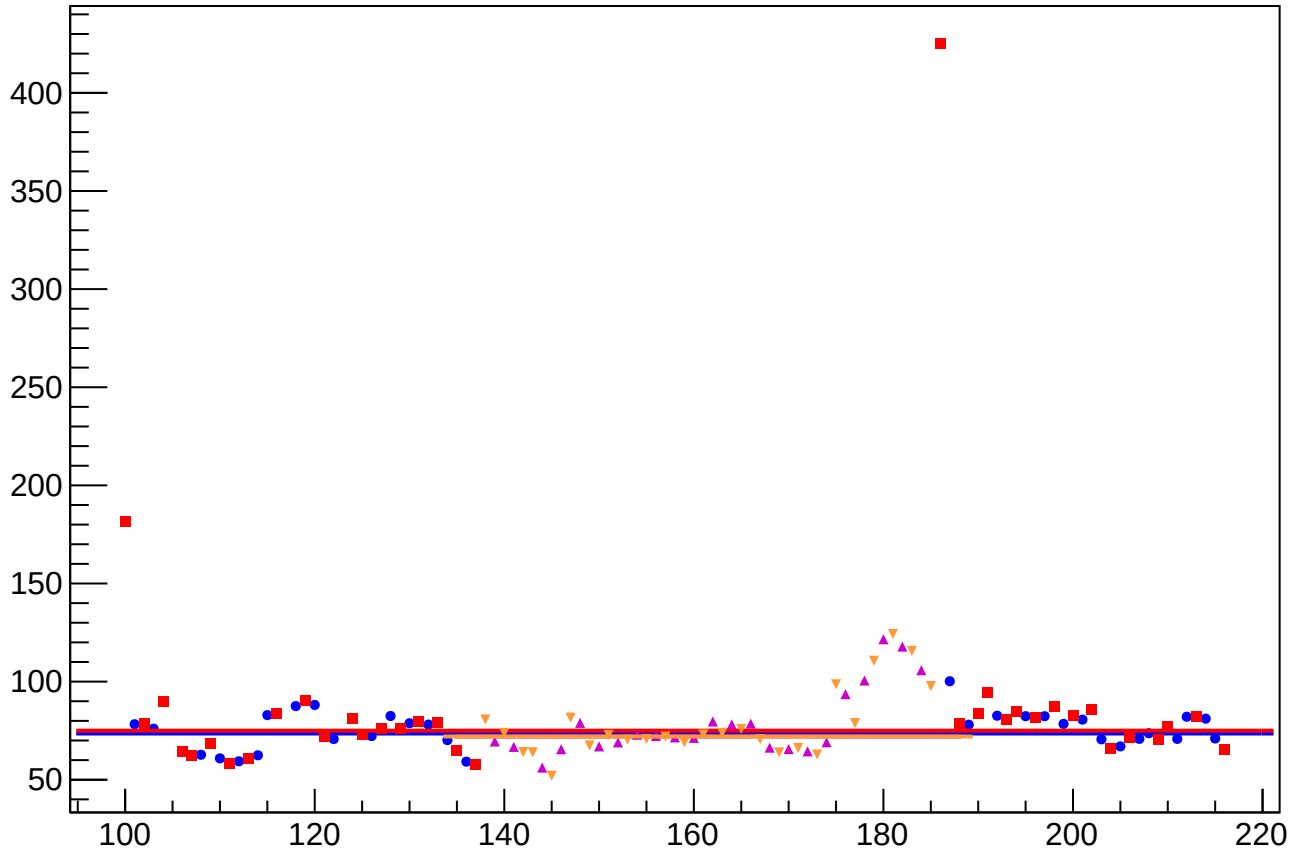
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 6.002+/-12.049 χ^2/NDF: 61.2/65

In: 4.776+/-12.064 χ^2/NDF:48.2/53

Out: 10.298+/-11.990 χ^2/NDF:73.9/59

All: 7.554+/-8.504 χ^2/NDF: 122.2/113



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: 75.006+/-0.012 χ^2/NDF: 1151756.2/34

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

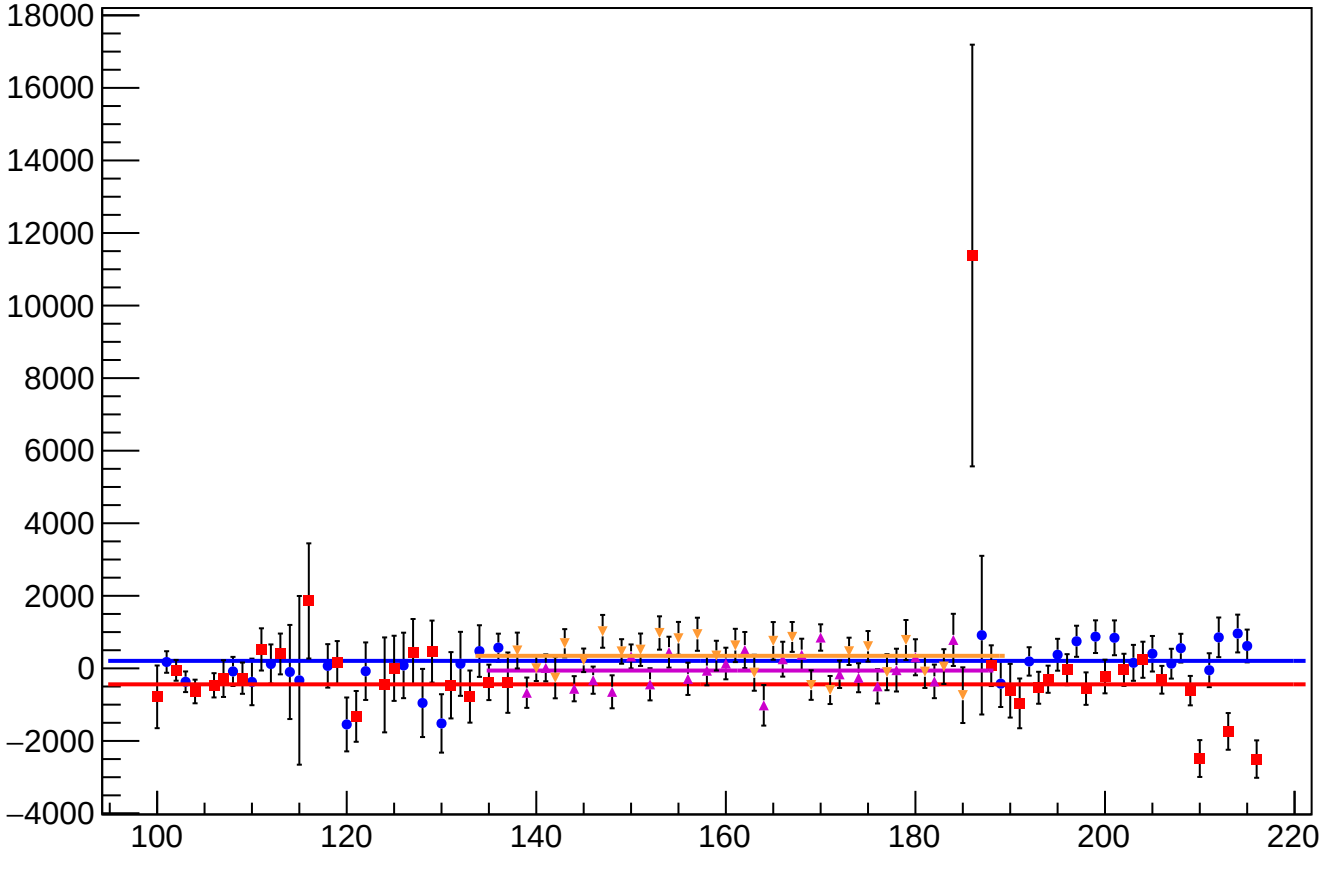
Right: 74.273+/-0.009 χ^2/NDF: 1633149.9/65

In: 72.841+/-0.009 χ^2/NDF:1540502.2/53

Out: 73.485+/-0.008 χ^2/NDF:2451794.0/59

All: 73.165+/-0.006 χ^2/NDF: 3995162.6/113

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: -439.959+/-86.407 χ^2/NDF: 63.5/34

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

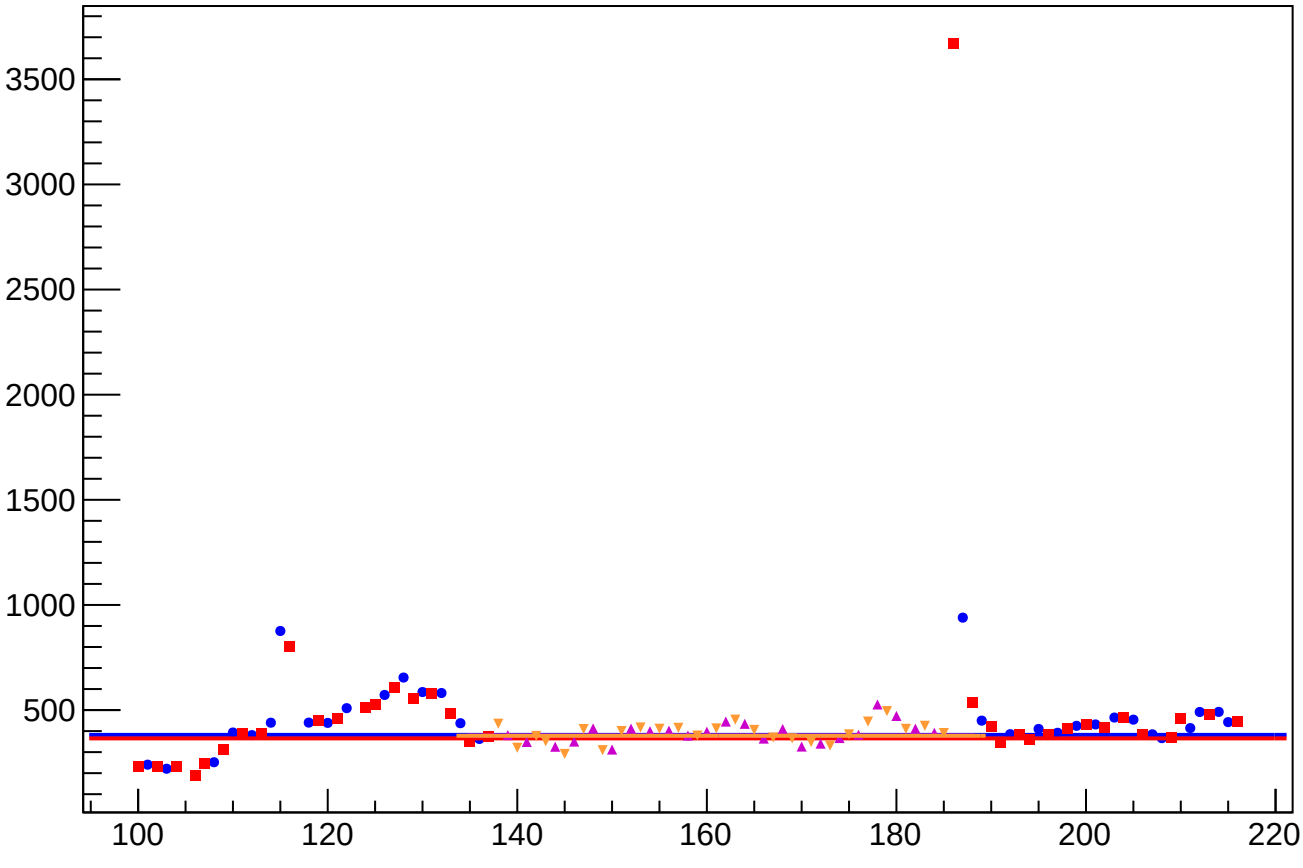
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -130.725+/-62.419 χ^2/NDF: 121.2/65

In: 72.155+/-63.524 χ^2/NDF:61.1/53

Out: -48.878+/-61.245 χ^2/NDF:133.6/59

All: 9.429+/-44.091 χ^2/NDF: 196.7/113



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: 365.309+/-0.061 χ^2/NDF: 3507646.6/34

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

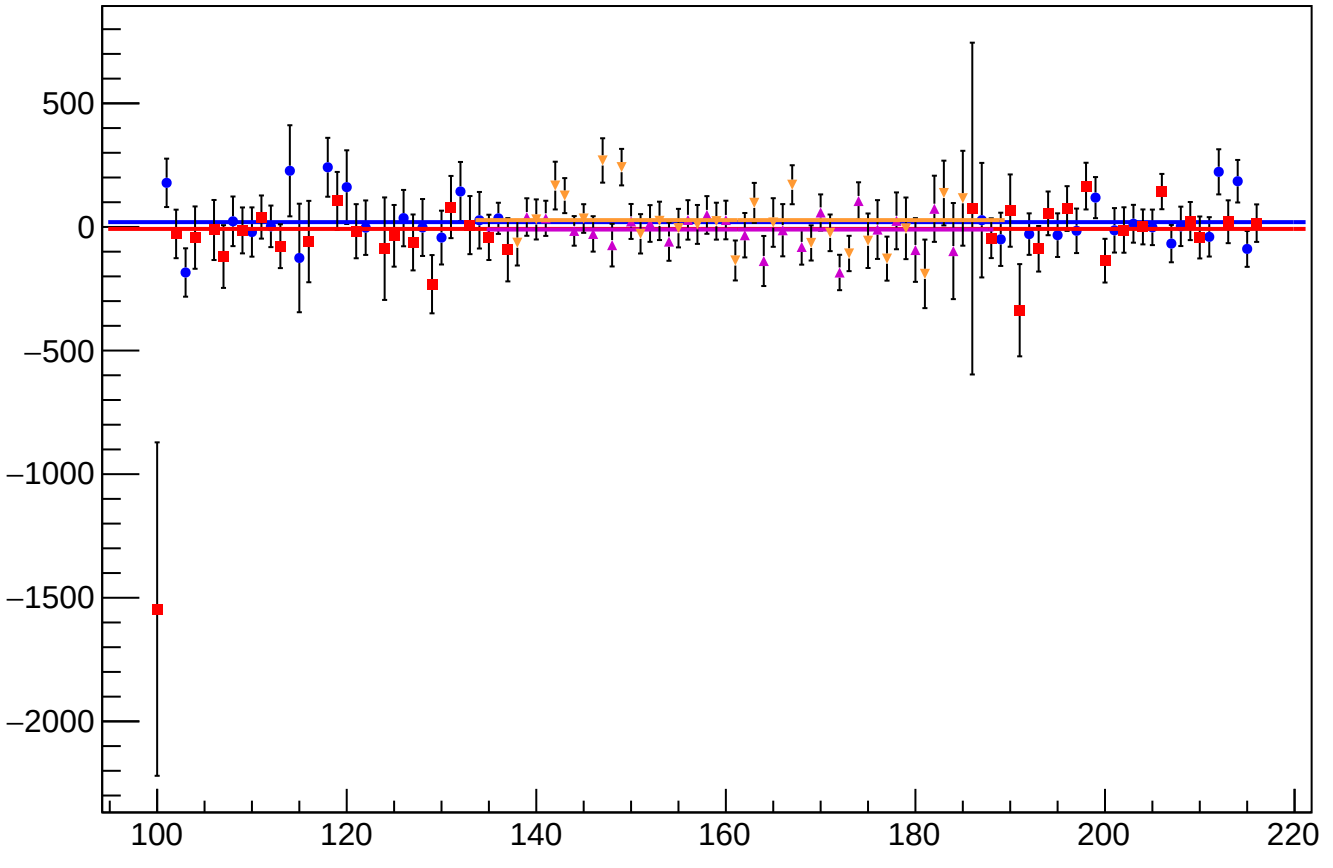
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 373.305+/-0.044 χ^2/NDF: 6047296.5/65

In: 380.435+/-0.045 χ^2/NDF:3032753.3/53

Out: 371.523+/-0.043 χ^2/NDF:4165149.1/59

All: 375.816+/-0.031 χ^2/NDF: 7218306.4/113



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: -7.948+/-17.179 χ^2/NDF: 29.4/34

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

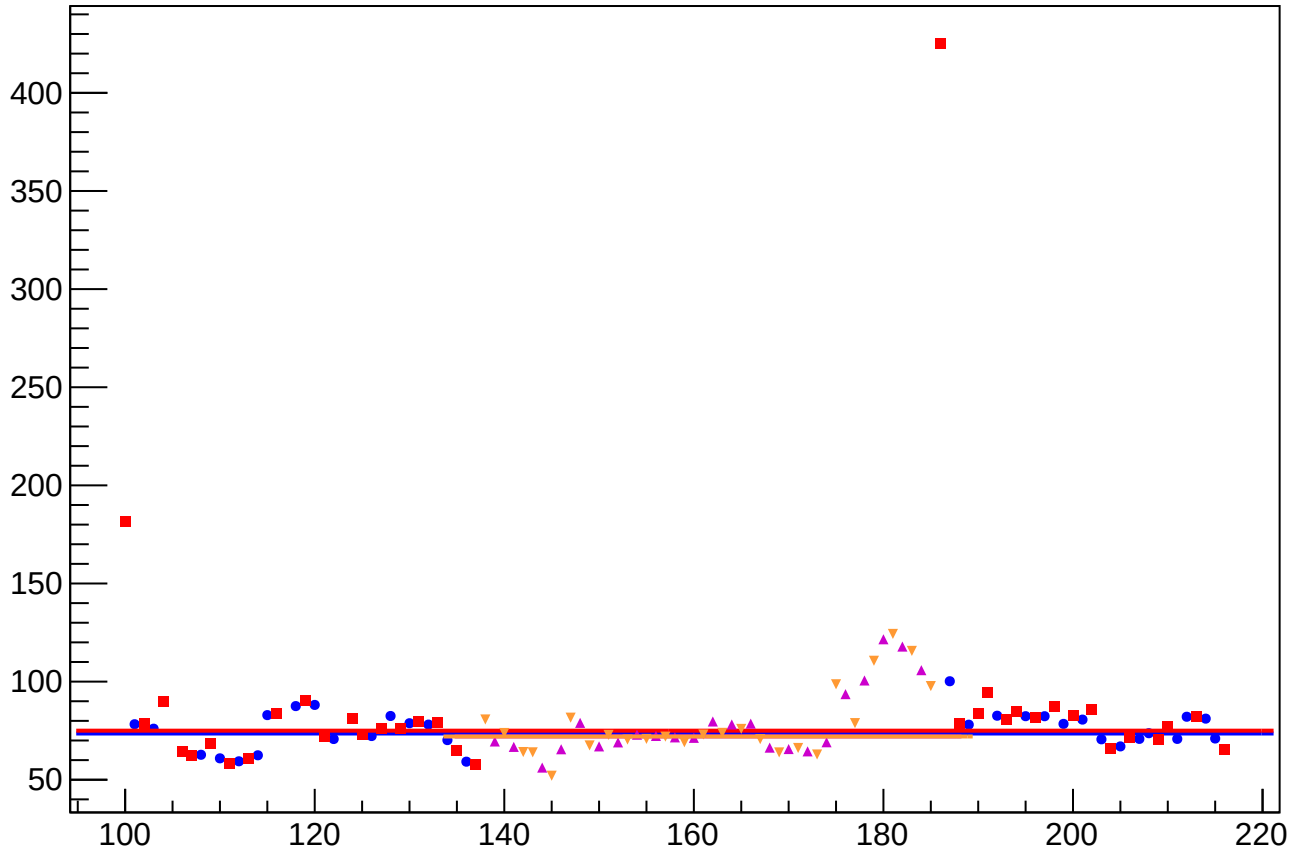
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 6.002+/-12.049 χ^2/NDF: 61.2/65

In: 4.776+/-12.064 χ^2/NDF:48.2/53

Out: 10.298+/-11.990 χ^2/NDF:73.9/59

All: 7.554+/-8.504 χ^2/NDF: 122.2/113



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: 75.006+/-0.012 χ^2/NDF: 1151754.3/34

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

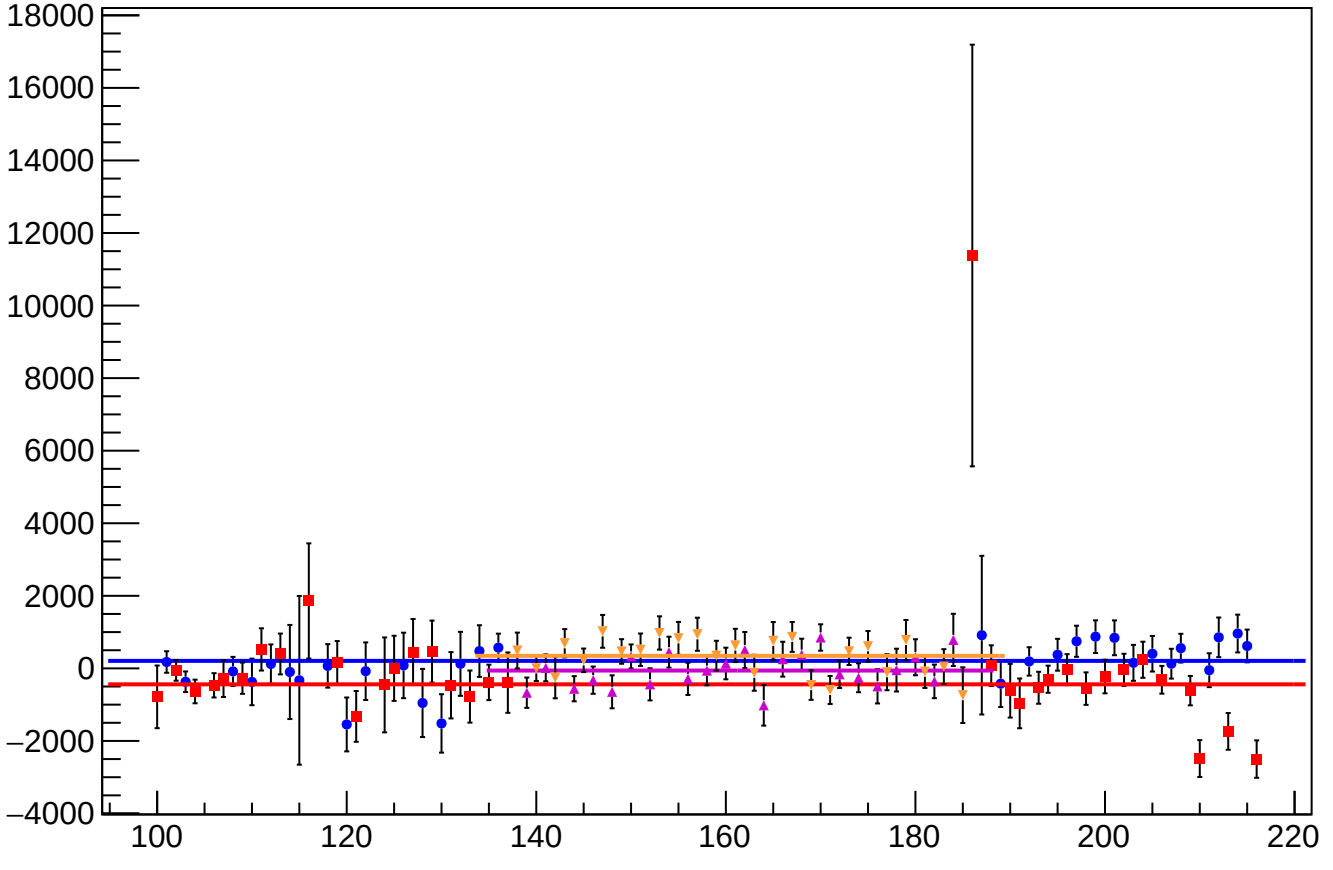
Right: 74.273+/-0.009 χ^2/NDF: 1633143.5/65

In: 72.841+/-0.009 χ^2/NDF:1540487.3/53

Out: 73.485+/-0.008 χ^2/NDF:2451798.5/59

All: 73.165+/-0.006 χ^2/NDF: 3995152.4/113

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: -439.959+/-86.407 χ^2/NDF: 63.5/34

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

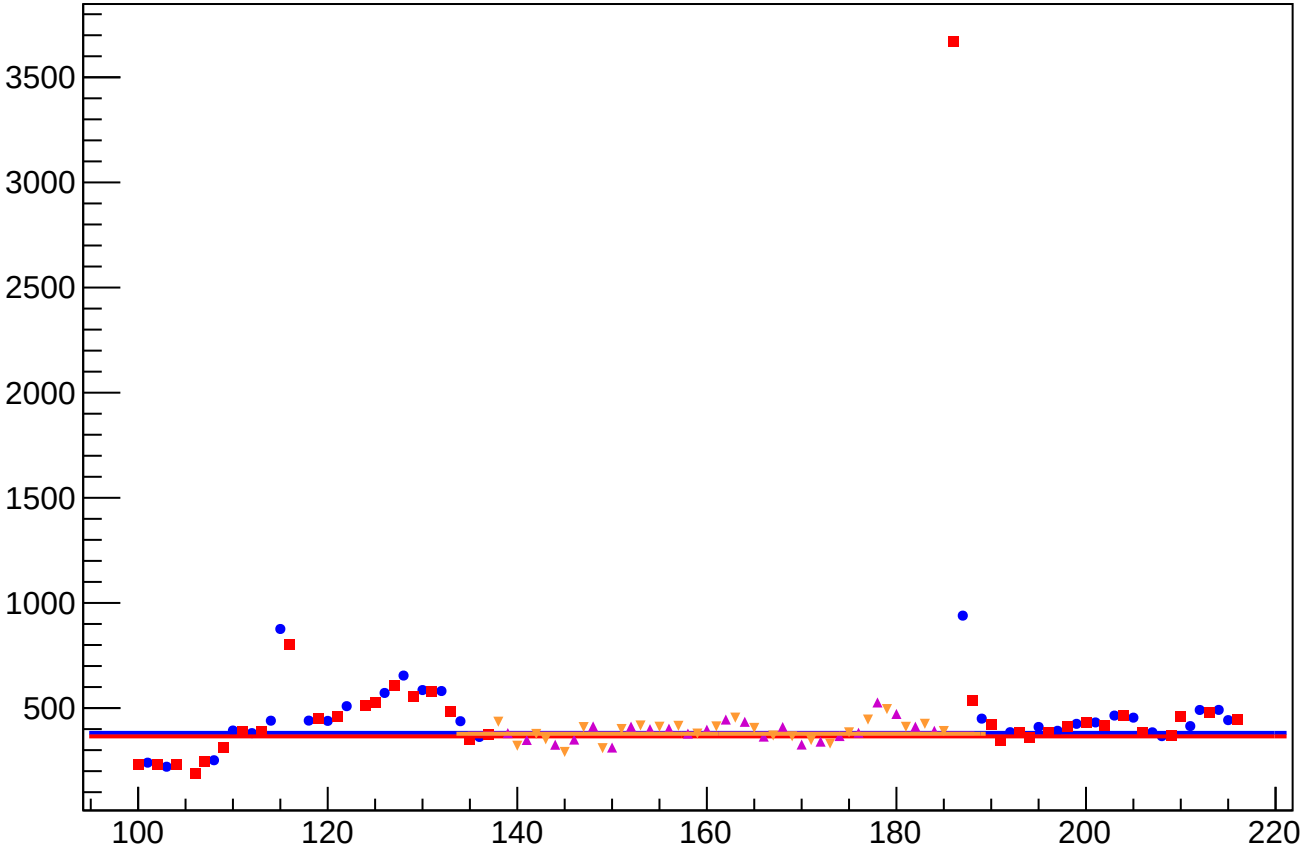
Right: -130.725+/-62.419 χ^2/NDF: 121.2/65

In: 72.155+/-63.524 χ^2/NDF:61.1/53

Out: -48.878+/-61.245 χ^2/NDF:133.6/59

All: 9.429+/-44.090 χ^2/NDF: 196.7/113

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: 365.308+/-0.061 χ^2/NDF: 3507631.4/34

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

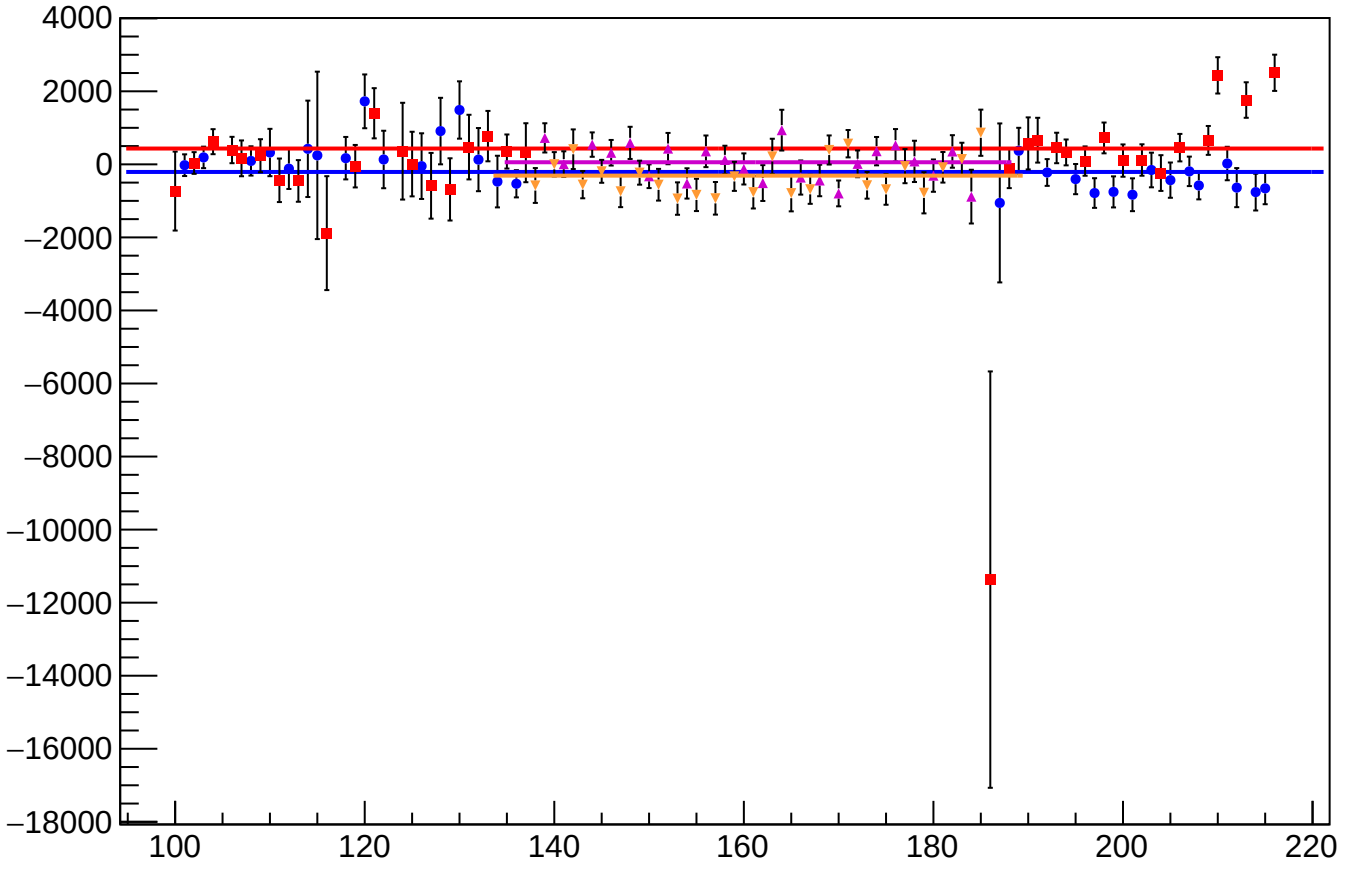
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 373.305+/-0.044 χ^2/NDF: 6047267.1/65

In: 380.435+/-0.045 χ^2/NDF:3032734.4/53

Out: 371.522+/-0.043 χ^2/NDF:4165133.2/59

All: 375.816+/-0.031 χ^2/NDF: 7218272.2/113



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: 432.883+/-85.458 χ^2/NDF: 68.0/34

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

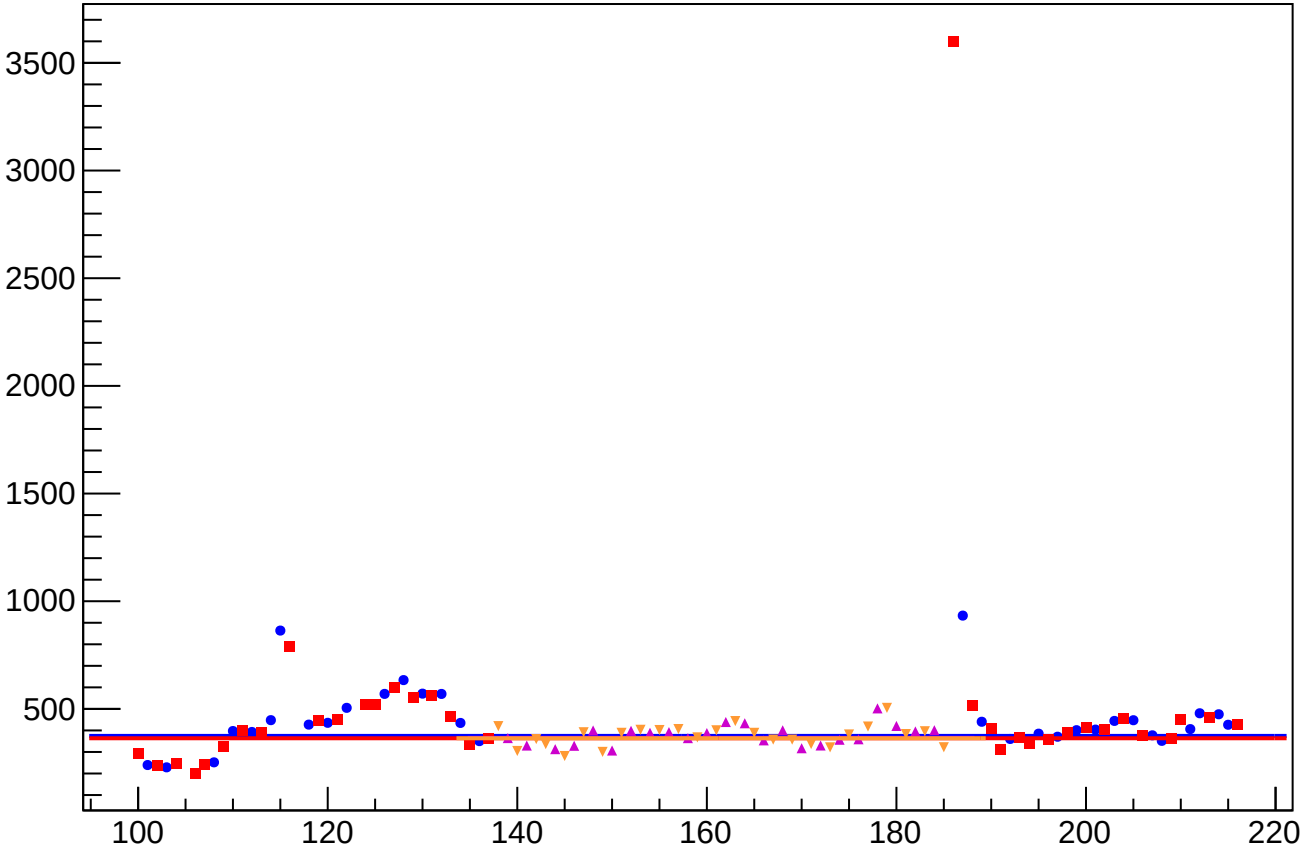
Right: 122.720+/-61.394 χ^2/NDF: 124.9/65

In: -72.185+/-61.677 χ^2/NDF:62.3/53

Out: 54.088+/-59.799 χ^2/NDF:136.4/59

All: -7.097+/-42.933 χ^2/NDF: 200.9/113

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: 363.622+/-0.060 χ^2/NDF: 2997529.1/34

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

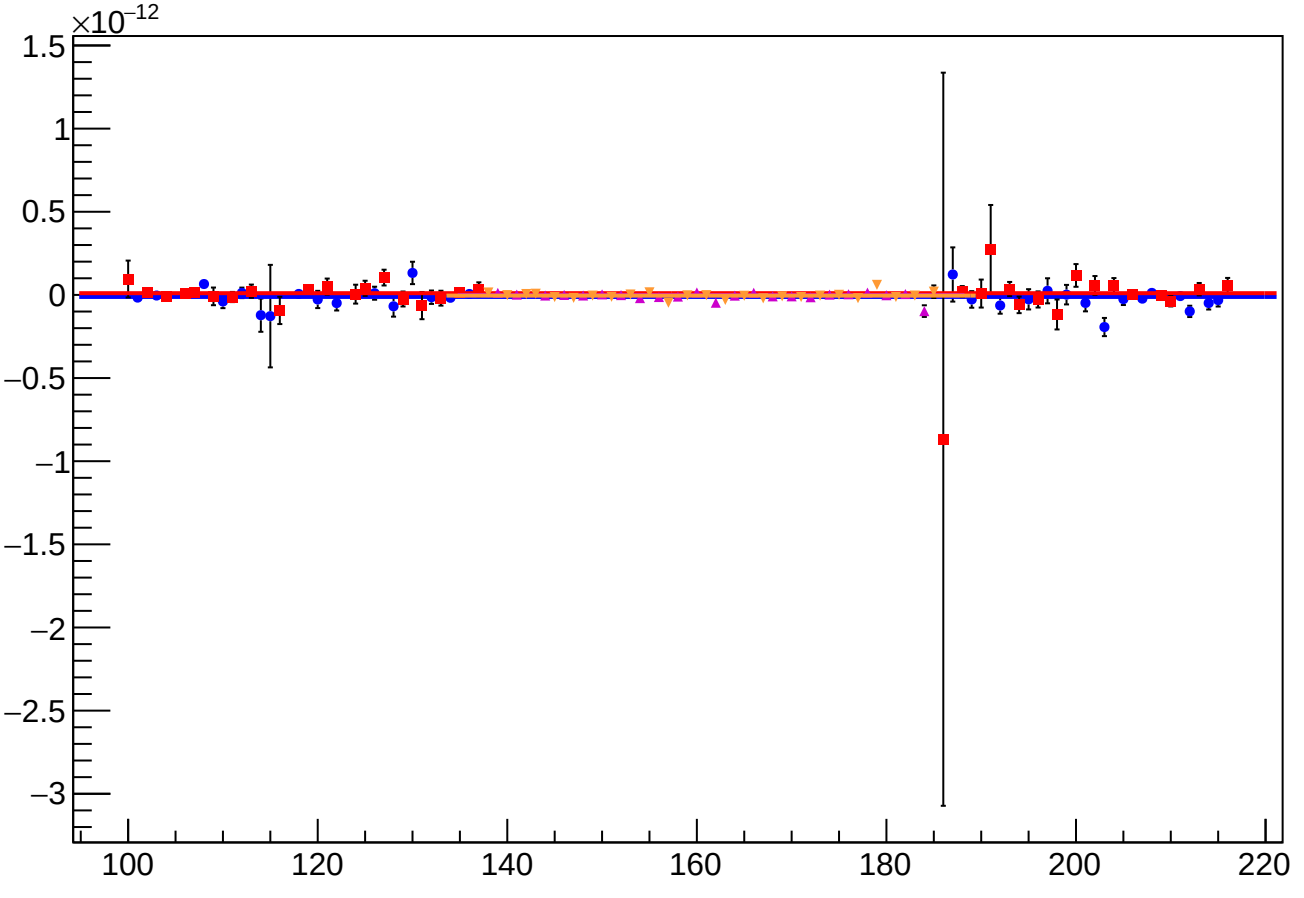
Right: 368.937+/-0.043 χ^2/NDF: 5265178.3/65

In: 369.856+/-0.044 χ^2/NDF:2772477.5/53

Out: 363.669+/-0.042 χ^2/NDF:3666774.9/59

All: 366.667+/-0.030 χ^2/NDF: 6449627.3/113

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: 26.6/34

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

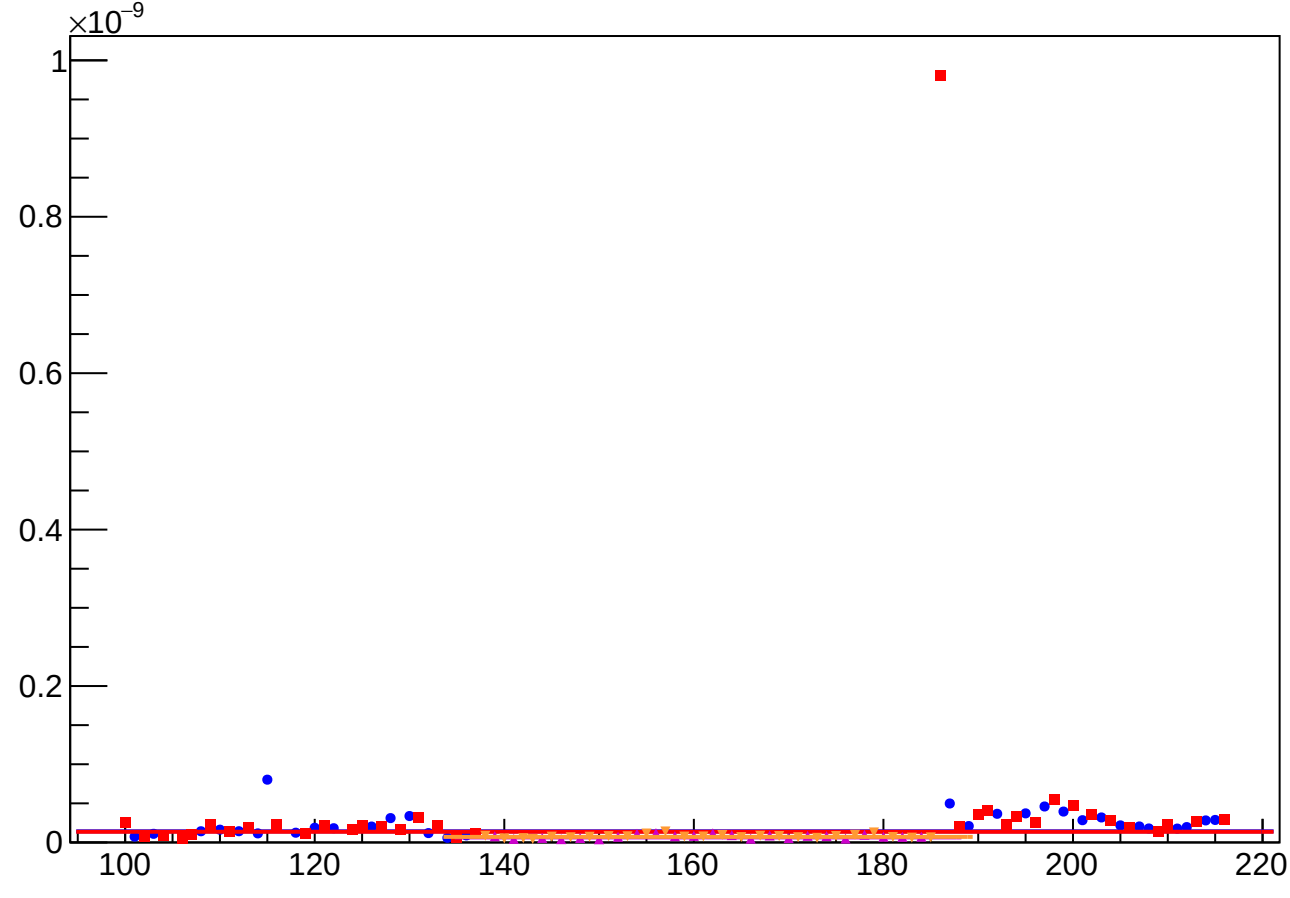
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: -0.000+/-0.000 χ^2/NDF: 75.5/65

In: -0.000+/-0.000 χ^2/NDF:65.3/53

Out: -0.000+/-0.000 χ^2/NDF:54.3/59

All: -0.000+/-0.000 χ^2/NDF: 119.9/113



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: 5343983.5/34

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

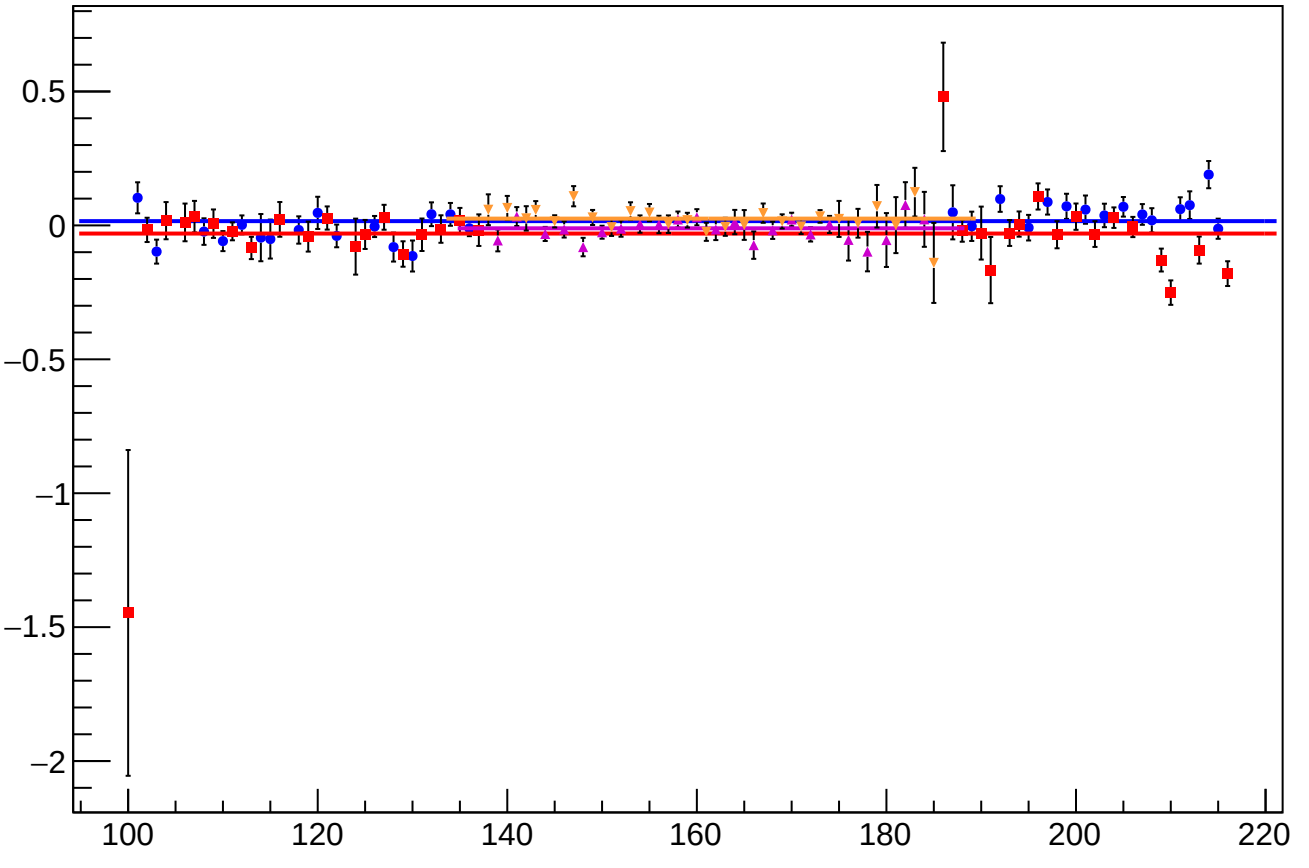
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9986204.1/65

In: 0.000+/-0.000 χ^2/NDF:9095909.7/53

Out: 0.000+/-0.000 χ^2/NDF:8528023.1/59

All: 0.000+/-0.000 χ^2/NDF: 17663111.3/113



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: -0.030+/-0.009 χ^2/NDF: 79.4/34

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

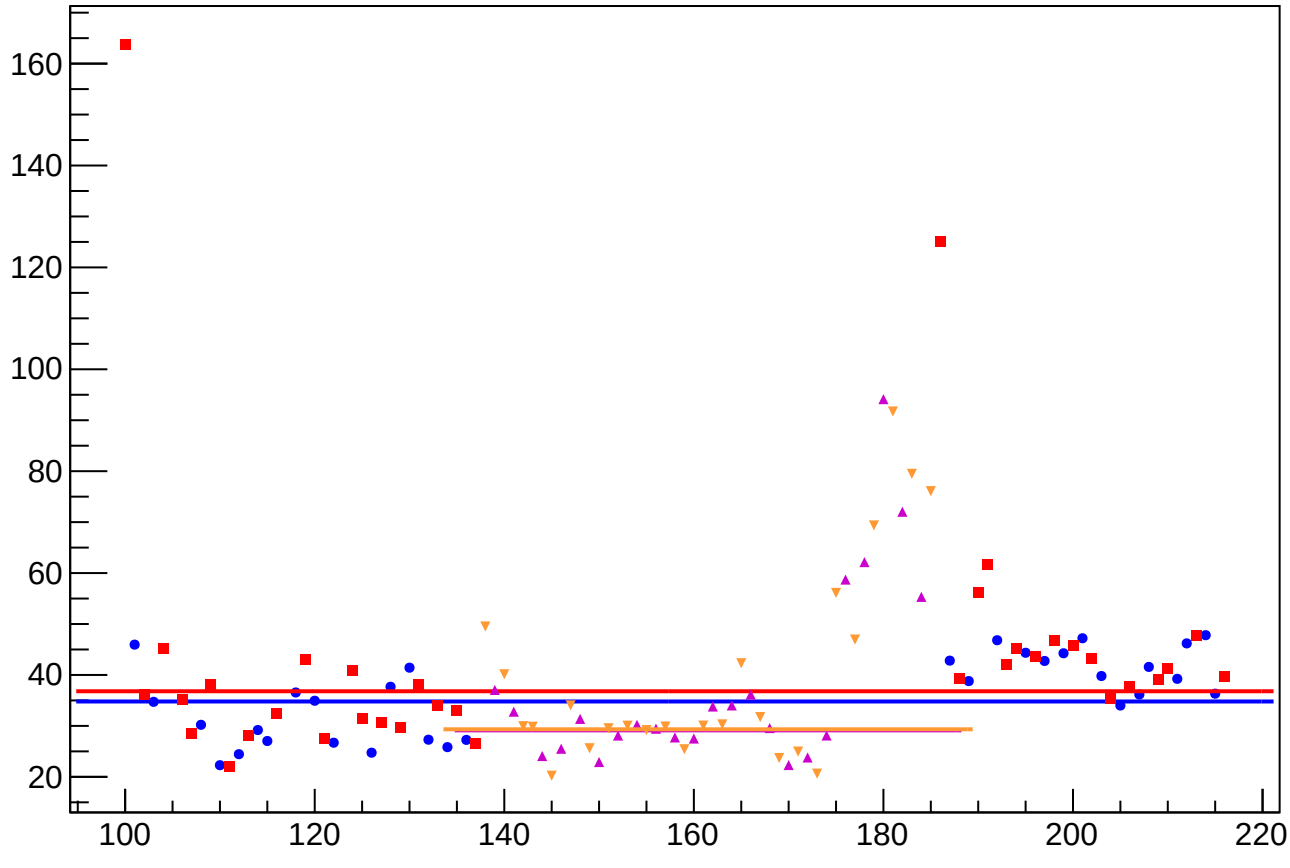
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.006+/-0.006 χ^2/NDF: 147.0/65

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: 0.003+/-0.006 χ^2/NDF:121.5/59

All: 0.002+/-0.004 χ^2/NDF: 199.0/113



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: 36.802+/-0.006 χ^2/NDF: 1924317.8/34

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

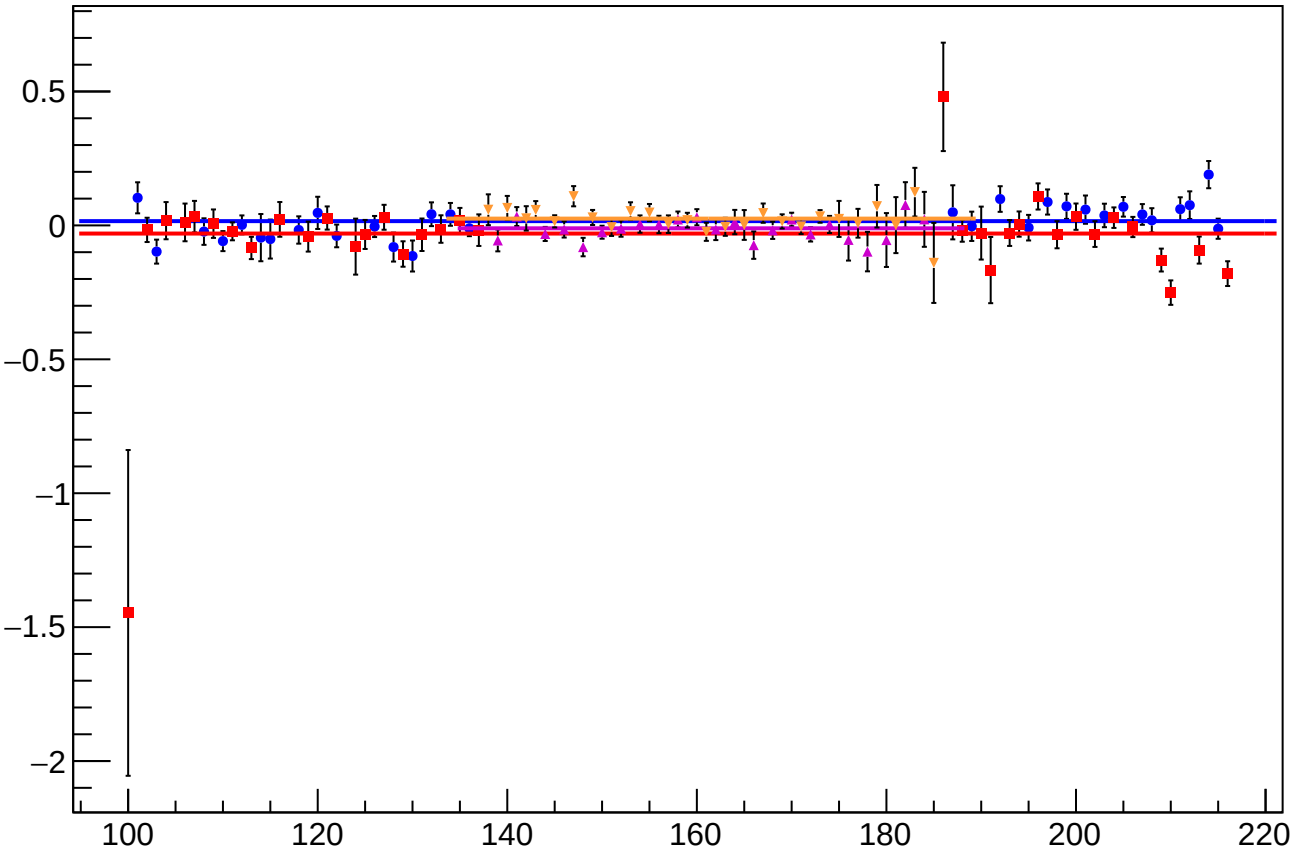
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 35.751+/-0.004 χ^2/NDF: 3820423.8/65

In: 31.618+/-0.004 χ^2/NDF:5209710.1/53

Out: 32.388+/-0.004 χ^2/NDF:6684068.2/59

All: 31.999+/-0.003 χ^2/NDF: 11913438.2/113



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: -0.030+/-0.009 χ^2/NDF: 79.4/34

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

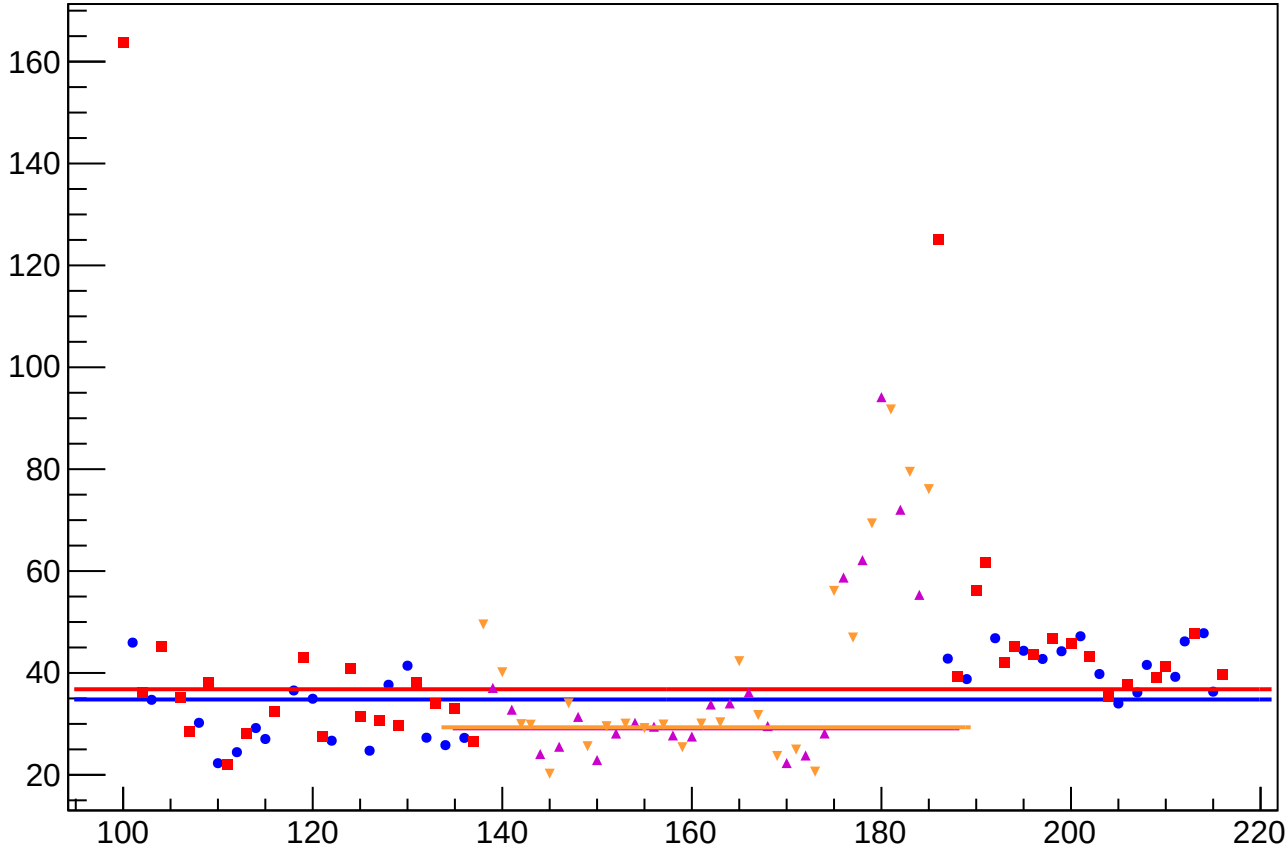
Right: -0.006+/-0.006 χ^2/NDF: 147.0/65

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: 0.003+/-0.006 χ^2/NDF:121.5/59

All: 0.002+/-0.004 χ^2/NDF: 199.0/113

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: 36.802+/-0.006 χ^2/NDF: 1924317.8/34

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

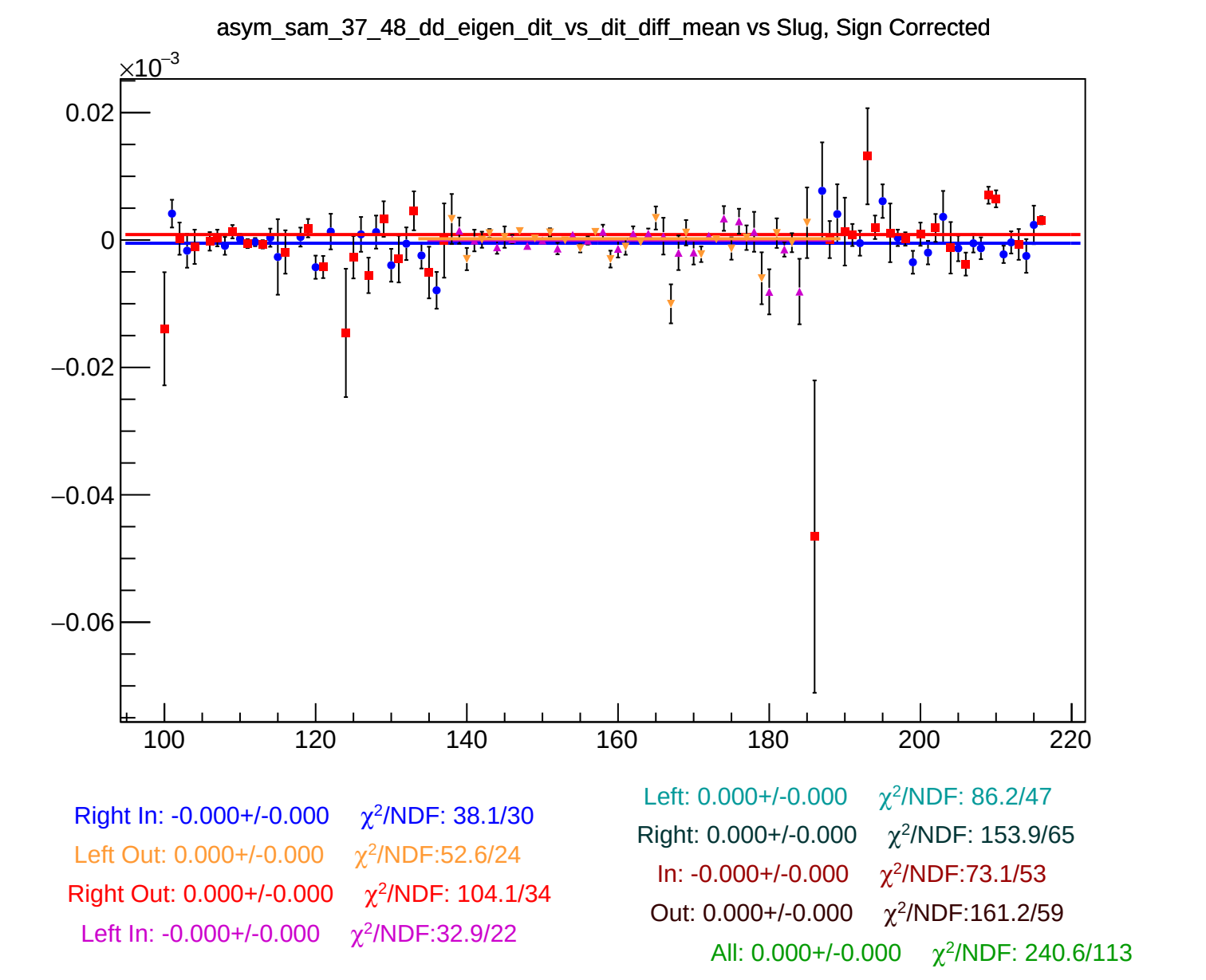
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

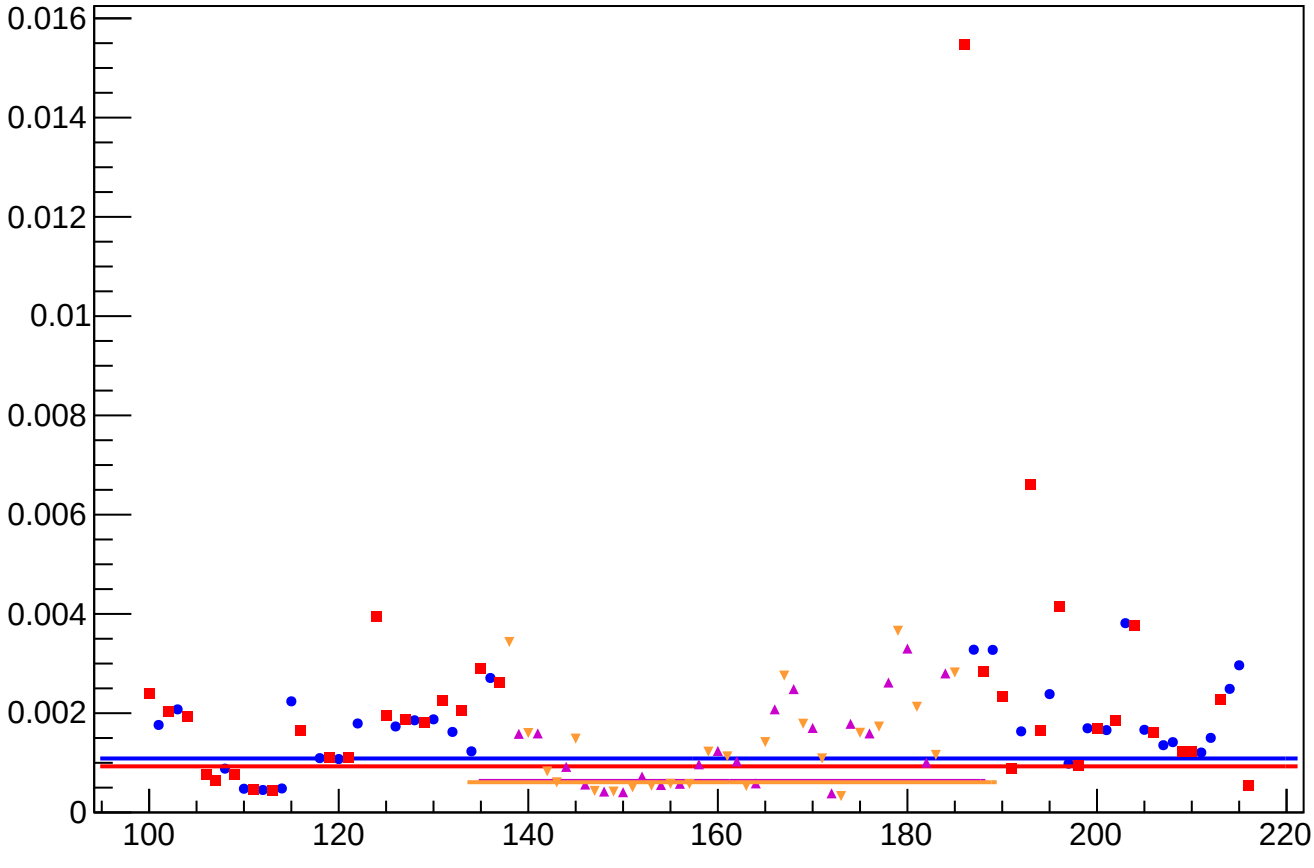
Right: 35.751+/-0.004 χ^2/NDF: 3820423.8/65

In: 31.618+/-0.004 χ^2/NDF:5209710.1/53

Out: 32.388+/-0.004 χ^2/NDF:6684068.2/59

All: 31.999+/-0.003 χ^2/NDF: 11913438.2/113


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0
−0.02
−0.04
−0.06
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:52.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 104.1/34
Left In: -0.000+/-0.000 χ²/NDF:32.9/22
Left: 0.000+/-0.000 χ²/NDF: 86.2/47
Right: 0.000+/-0.000 χ²/NDF: 153.9/65
In: -0.000+/-0.000 χ²/NDF:73.1/53
Out: 0.000+/-0.000 χ²/NDF:161.2/59
All: 0.000+/-0.000 χ²/NDF: 240.6/113



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: 12627758.5/34

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

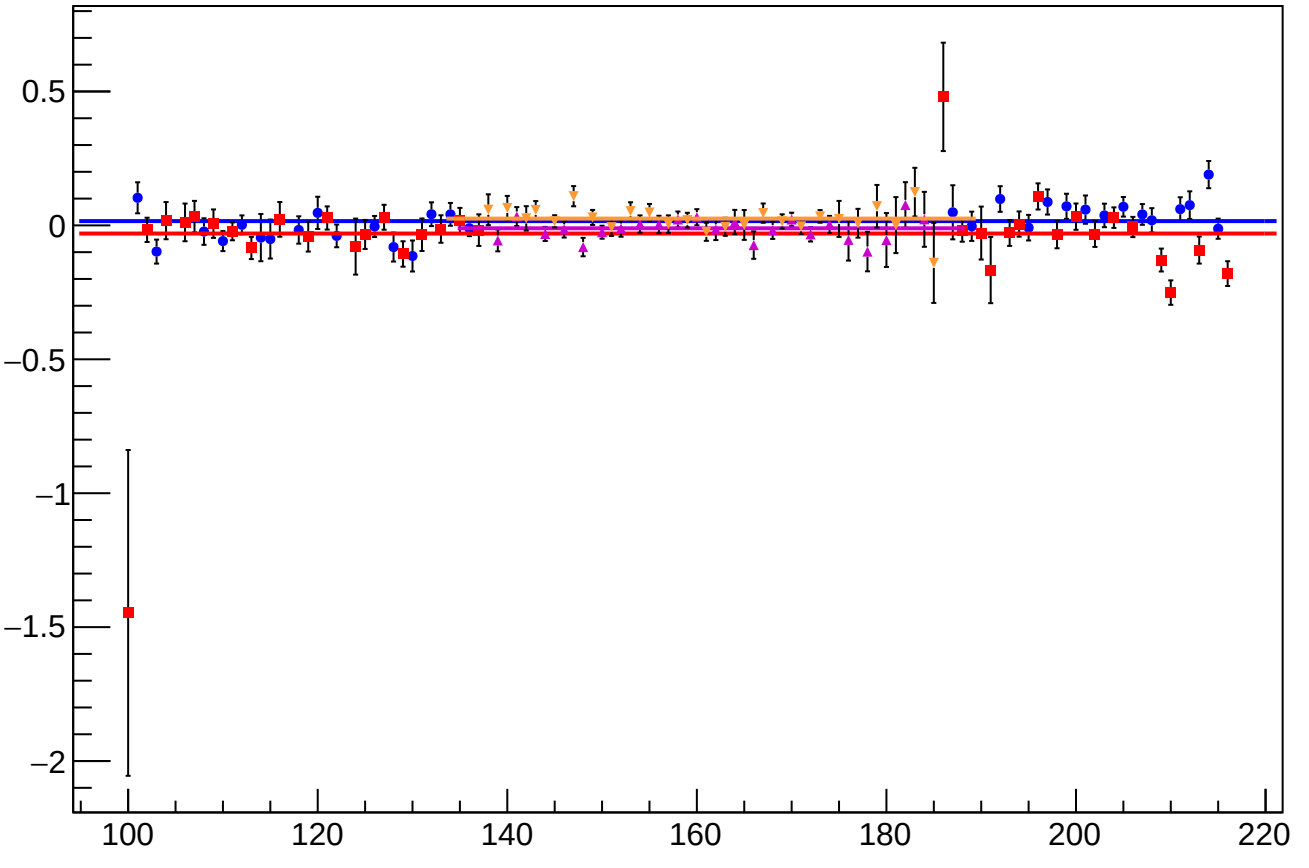
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 22746457.5/65

In: 0.001+/-0.000 χ^2/NDF:22529210.7/53

Out: 0.001+/-0.000 χ^2/NDF:25701811.4/59

All: 0.001+/-0.000 χ^2/NDF: 48363966.2/113



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: -0.030+/-0.009 χ^2/NDF: 79.4/34

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

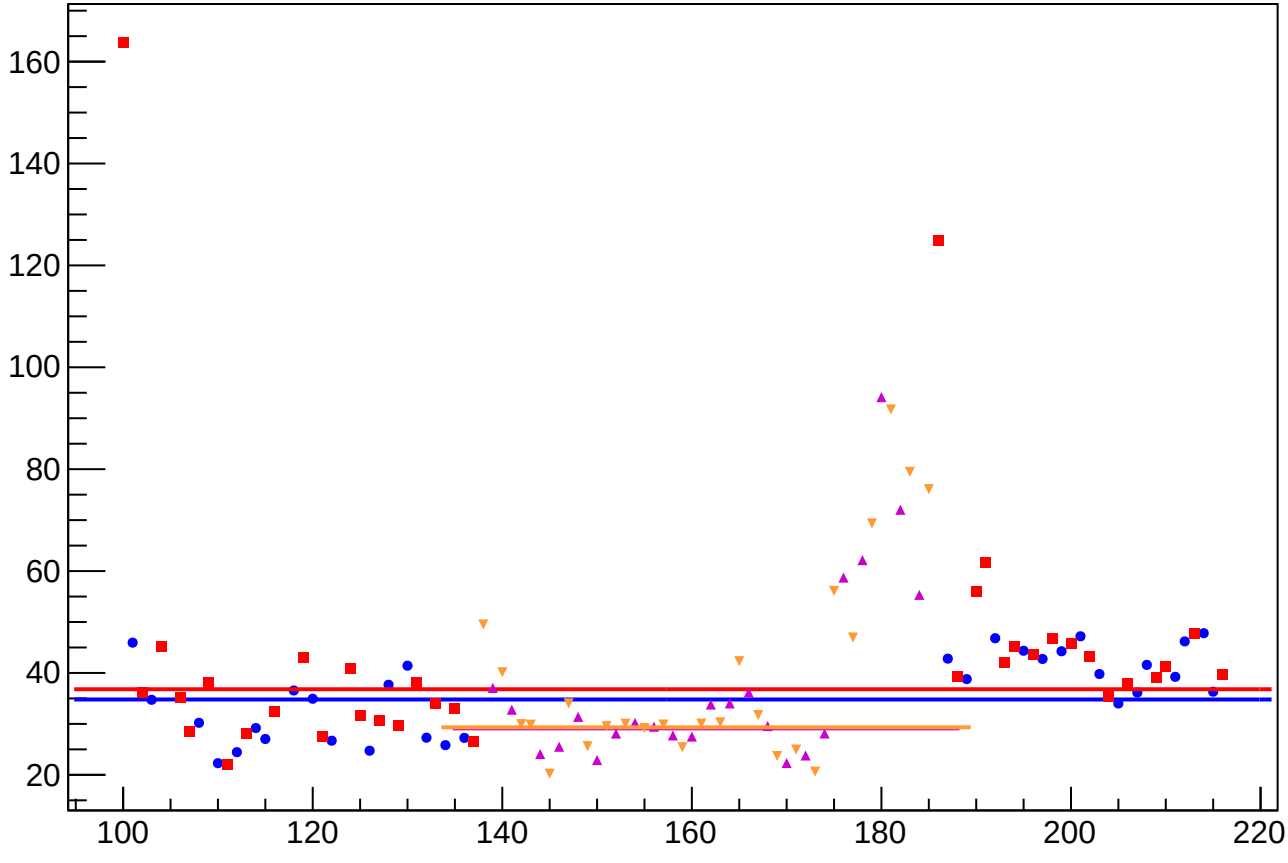
Right: -0.006+/-0.006 χ^2/NDF: 147.0/65

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: 0.003+/-0.006 χ^2/NDF:121.5/59

All: 0.002+/-0.004 χ^2/NDF: 199.0/113

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: 36.802+/-0.006 χ^2/NDF: 1924193.8/34

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

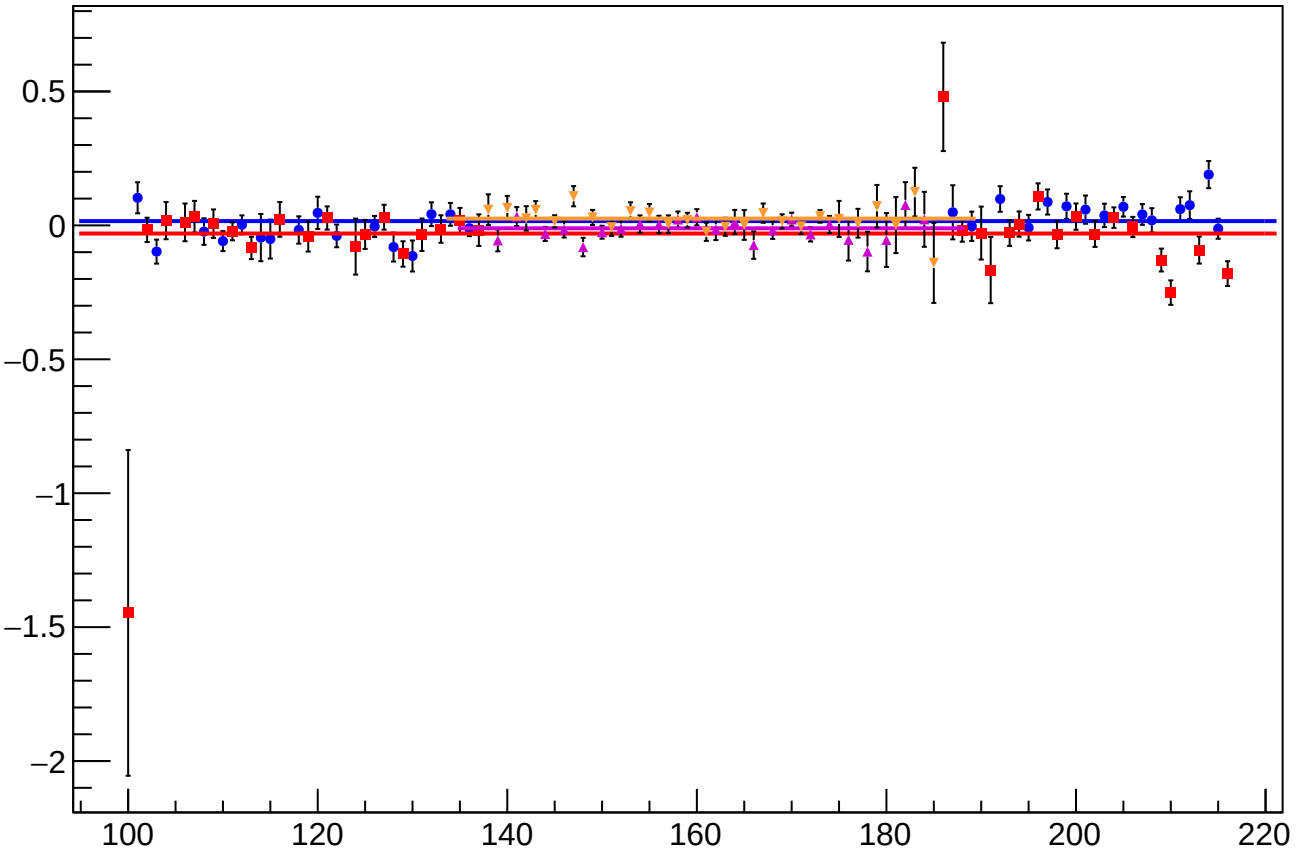
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.751+/-0.004 χ^2/NDF: 3820202.1/65

In: 31.618+/-0.004 χ^2/NDF:5209589.4/53

Out: 32.388+/-0.004 χ^2/NDF:6684068.1/59

All: 31.999+/-0.003 χ^2/NDF: 11913318.0/113



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: -0.030+/-0.009 χ^2/NDF: 79.4/34

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

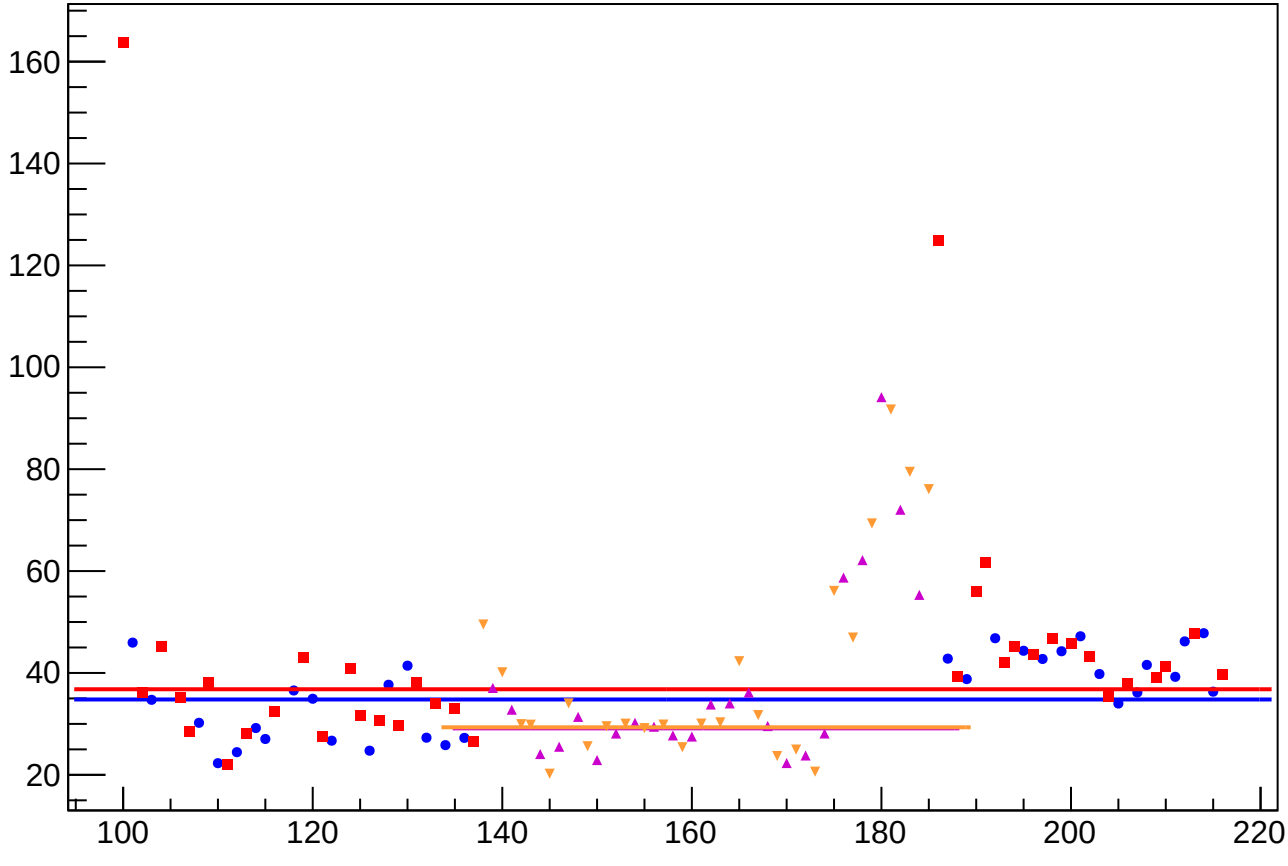
Right: -0.006+/-0.006 χ^2/NDF: 147.0/65

In: 0.001+/-0.005 χ^2/NDF:77.4/53

Out: 0.003+/-0.006 χ^2/NDF:121.5/59

All: 0.002+/-0.004 χ^2/NDF: 199.0/113

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: 36.802+/-0.006 χ^2/NDF: 1924193.8/34

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

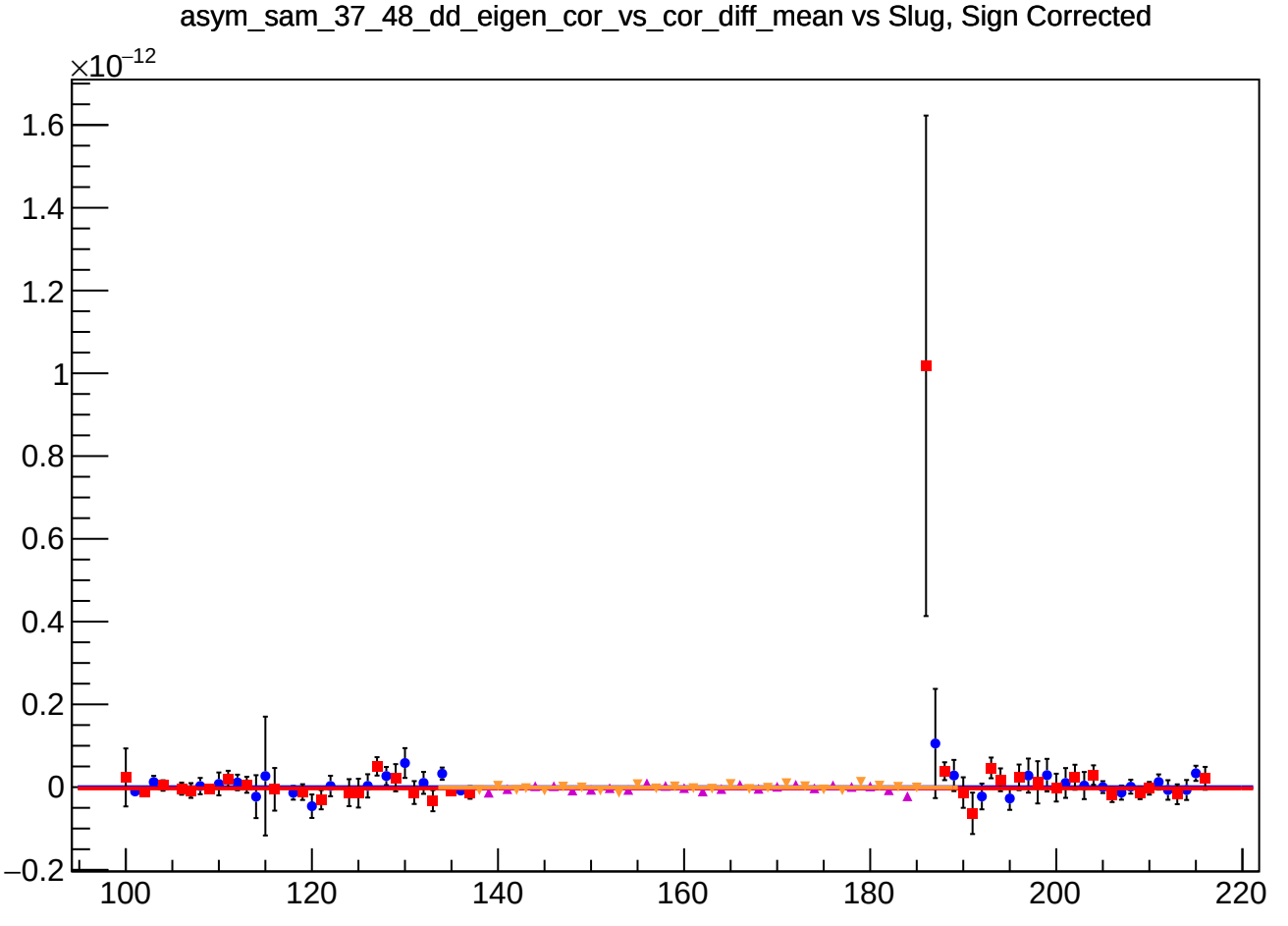
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 35.751+/-0.004 χ^2/NDF: 3820202.1/65

In: 31.618+/-0.004 χ^2/NDF:5209589.4/53

Out: 32.388+/-0.004 χ^2/NDF:6684068.1/59

All: 31.999+/-0.003 χ^2/NDF: 11913318.0/113



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: 32.3/34

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

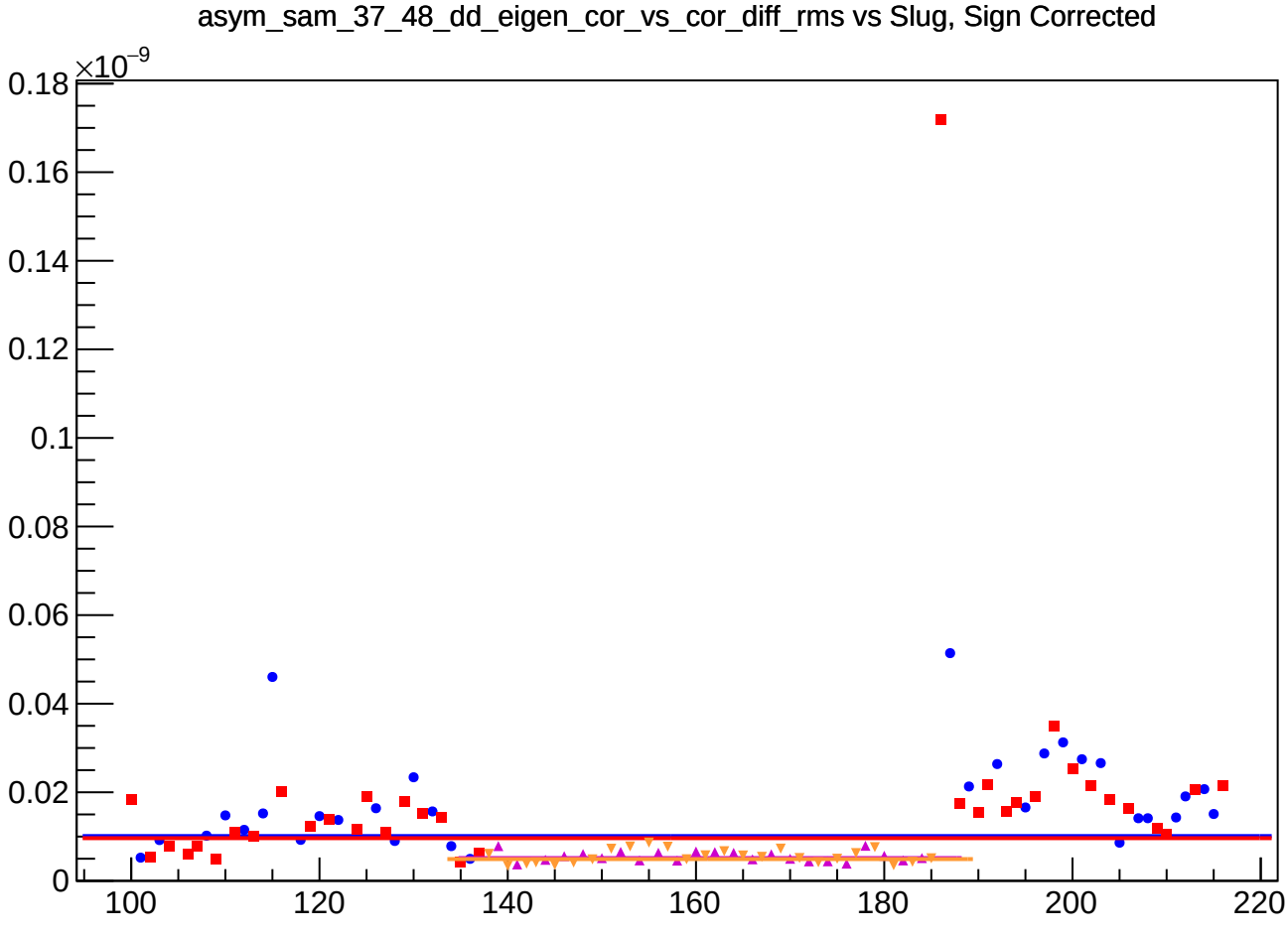
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 58.2/65

In: -0.000+/-0.000 χ^2/NDF:42.1/53

Out: -0.000+/-0.000 χ^2/NDF:47.9/59

All: -0.000+/-0.000 χ^2/NDF: 90.0/113



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: 6525295.4/34

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

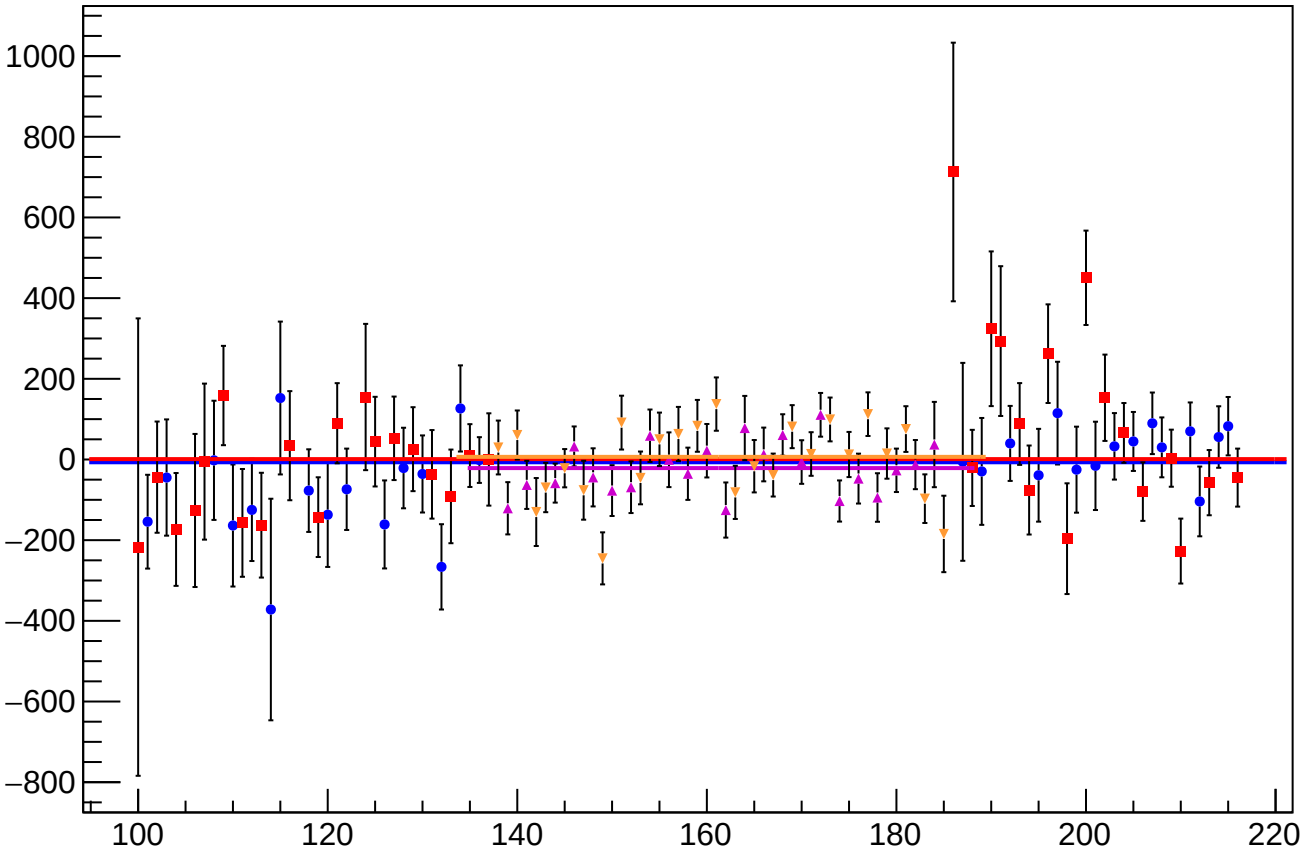
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13576090.1/65

In: 0.000+/-0.000 χ^2/NDF:11919523.8/53

Out: 0.000+/-0.000 χ^2/NDF:12179156.5/59

All: 0.000+/-0.000 χ^2/NDF: 24149667.3/113



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: 0.955+/-18.234 χ^2/NDF: 57.7/34

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

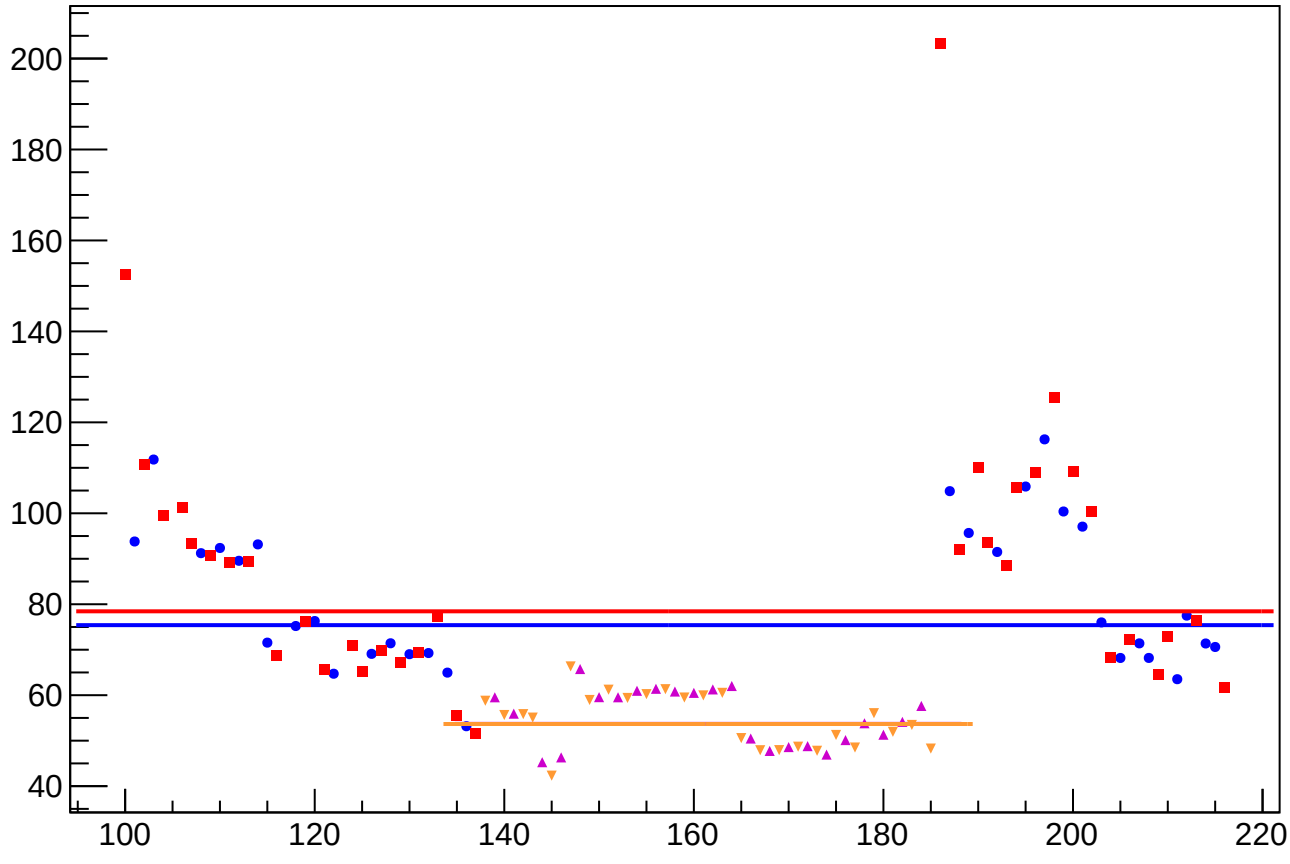
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -3.116+/-12.664 χ^2/NDF: 84.0/65

In: -16.422+/-10.272 χ^2/NDF:52.0/53

Out: 4.784+/-10.190 χ^2/NDF:108.4/59

All: -5.734+/-7.234 χ^2/NDF: 162.5/113



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: 78.445+/-0.013 χ^2/NDF: 2075514.9/34

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

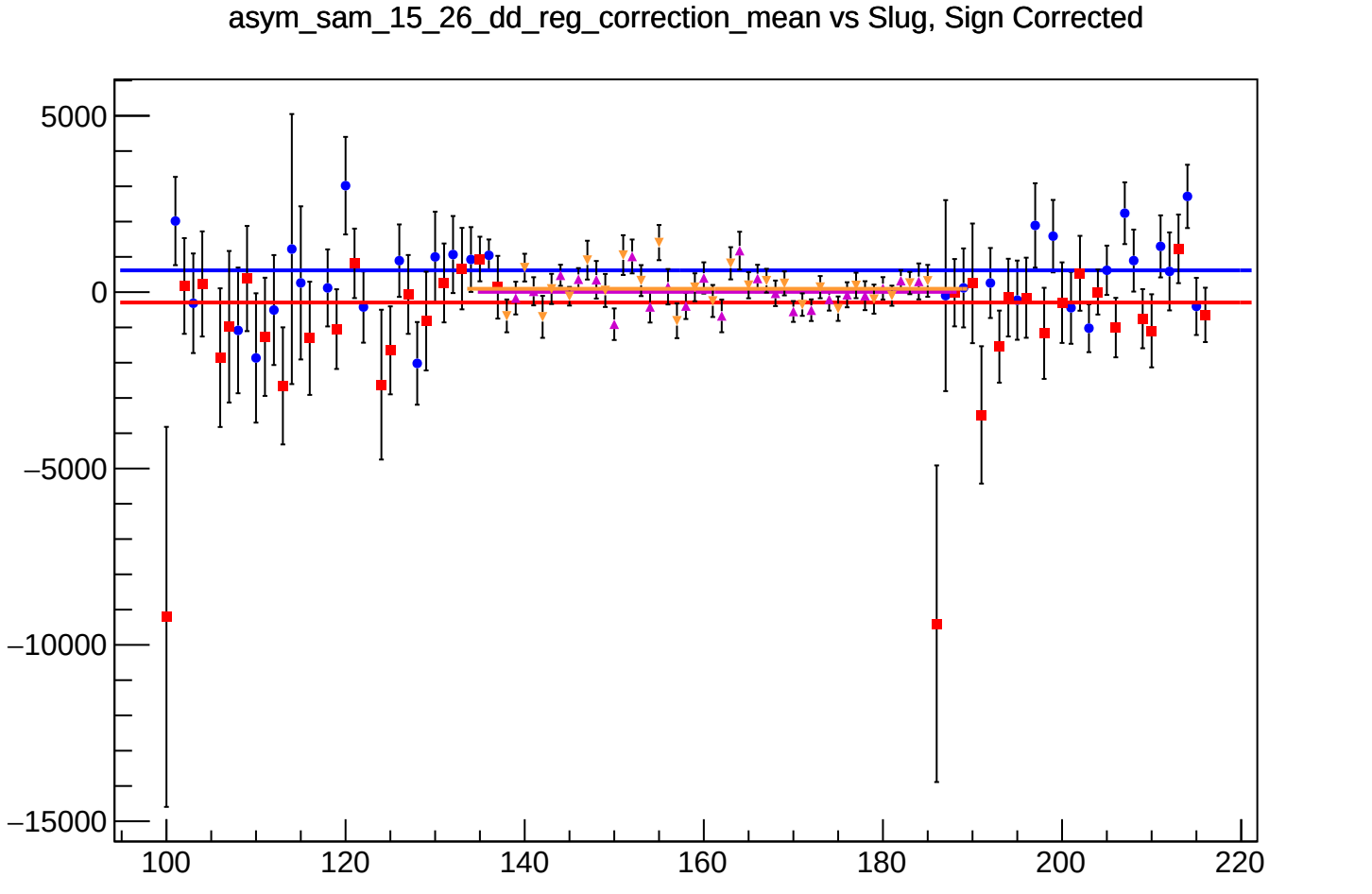
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.871+/-0.009 χ^2/NDF: 3523674.8/65

In: 61.088+/-0.007 χ^2/NDF:3896893.1/53

Out: 61.403+/-0.007 χ^2/NDF:5087680.7/59

All: 61.247+/-0.005 χ^2/NDF: 8985526.1/113



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: -294.034+/-189.321 χ^2/NDF: 30.0/34

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

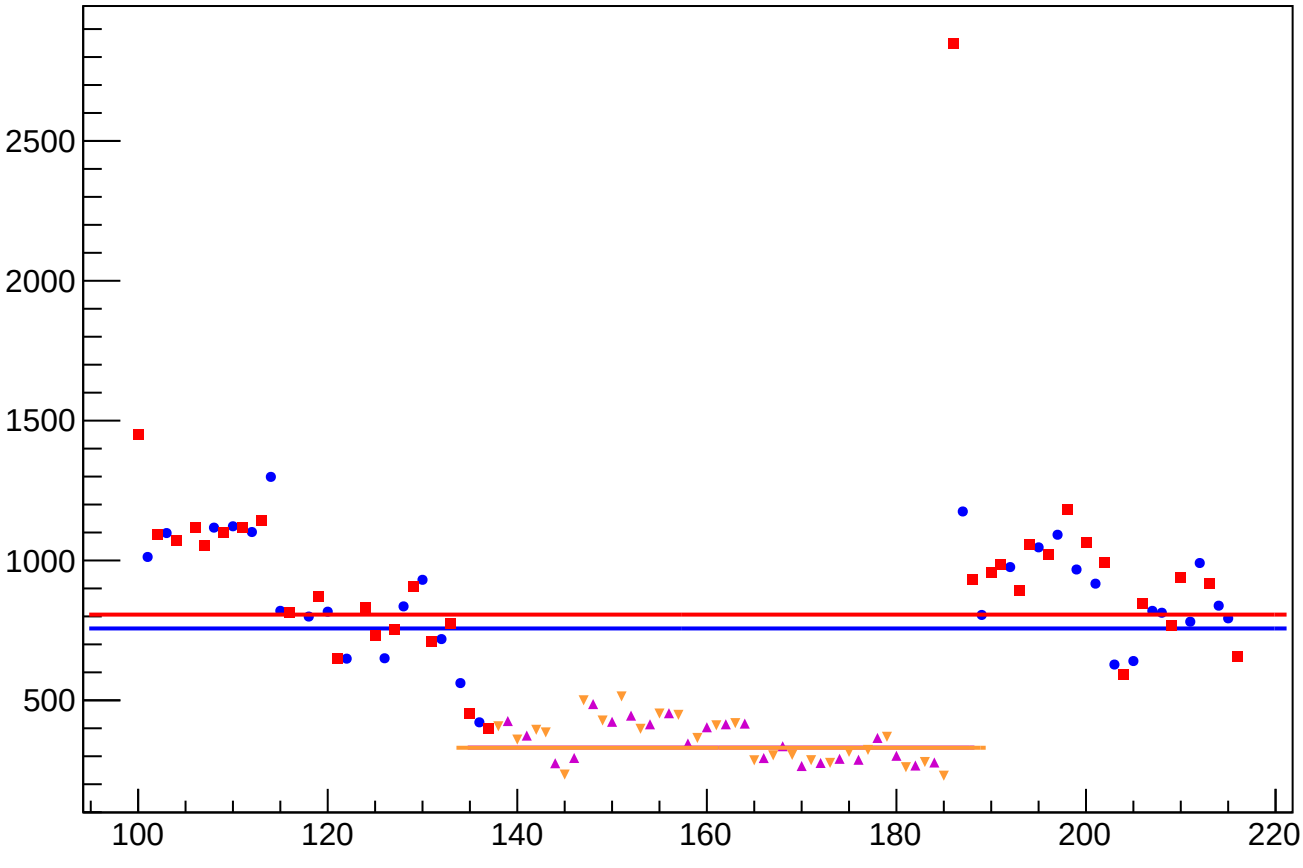
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 186.430+/-130.206 χ^2/NDF: 79.0/65

In: 107.220+/-72.394 χ^2/NDF:78.7/53

Out: 40.007+/-71.433 χ^2/NDF:66.8/59

All: 73.164+/-50.847 χ^2/NDF: 146.0/113



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: 806.451+/-0.134 χ^2/NDF: 3007120.2/34

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

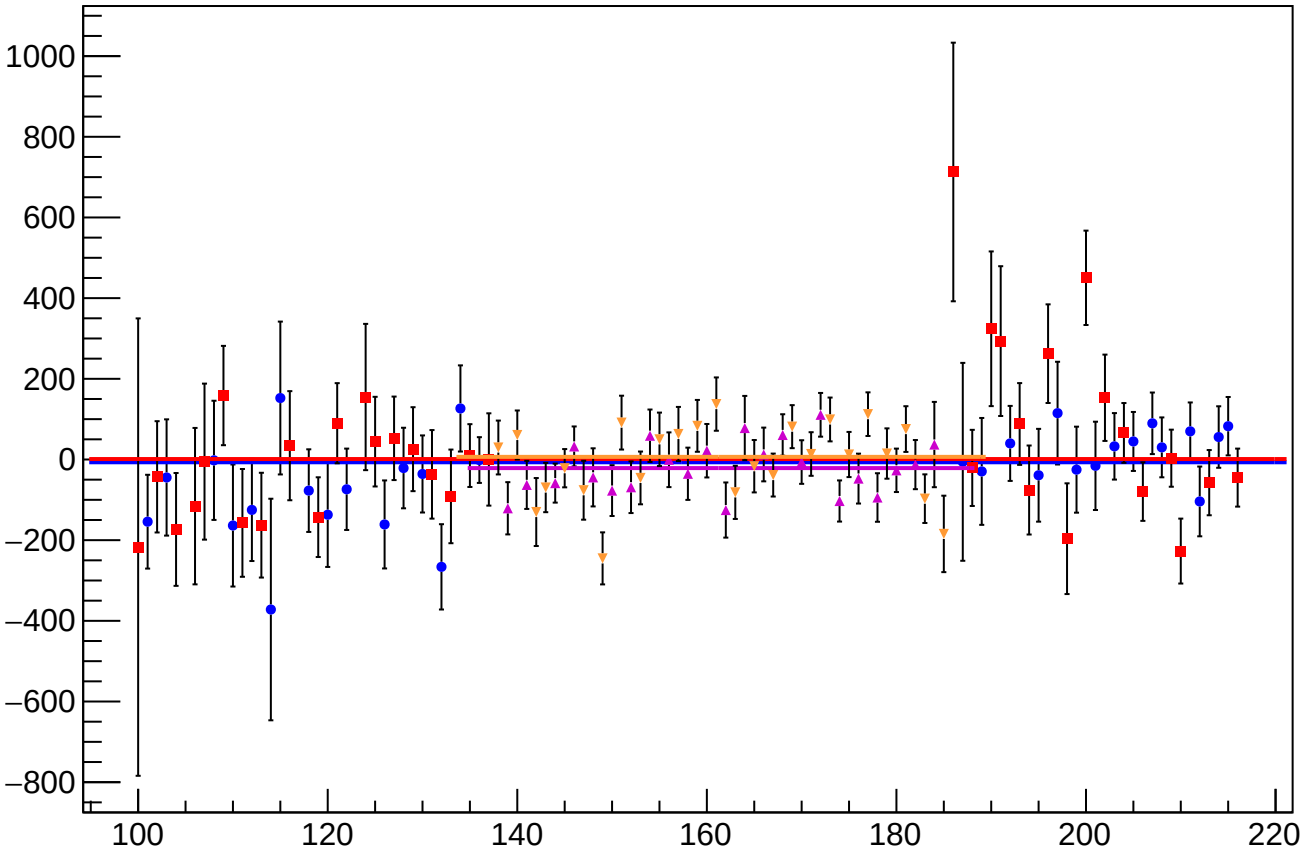
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 780.348+/-0.092 χ^2/NDF: 5717234.7/65

In: 400.435+/-0.051 χ^2/NDF:13401477.5/53

Out: 398.177+/-0.051 χ^2/NDF:15604700.4/59

All: 399.291+/-0.036 χ^2/NDF: 29007163.7/11



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: 1.114+/-18.238 χ^2/NDF: 57.6/34

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

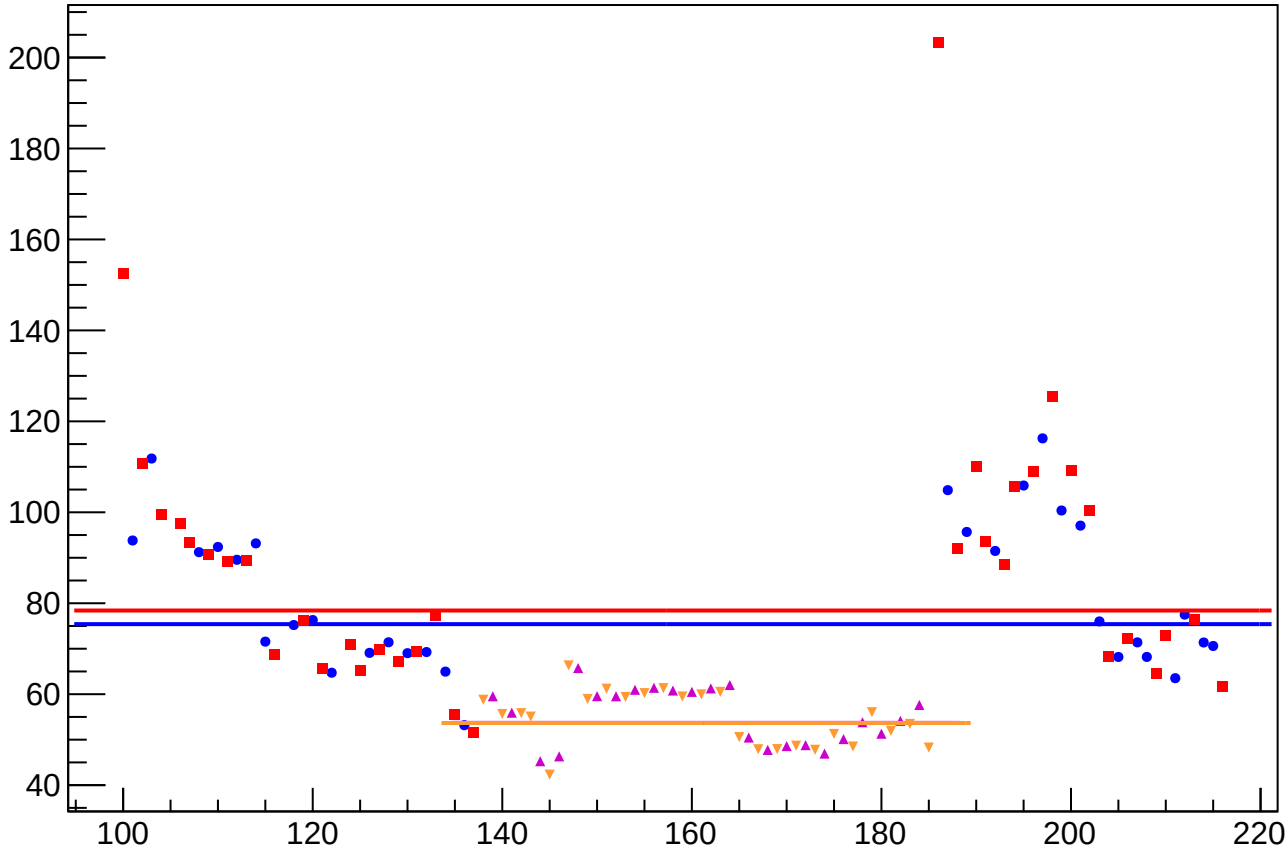
Right: -3.036+/-12.666 χ^2/NDF: 83.9/65

In: -16.420+/-10.272 χ^2/NDF:52.0/53

Out: 4.836+/-10.190 χ^2/NDF:108.3/59

All: -5.707+/-7.234 χ^2/NDF: 162.5/113

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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: 78.403+/-0.013 χ^2/NDF: 2066351.0/34

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

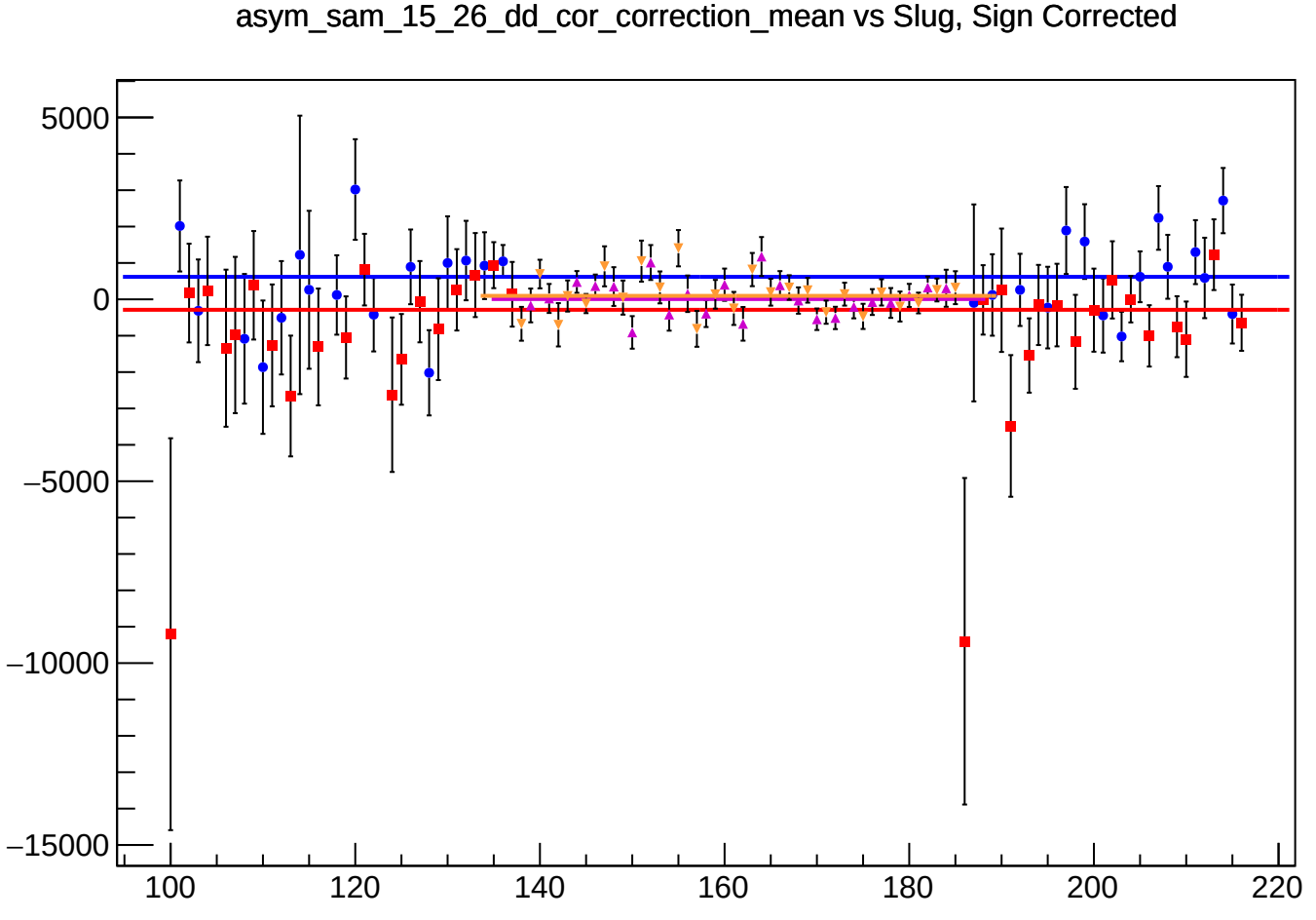
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.850+/-0.009 χ^2/NDF: 3513733.4/65

In: 61.088+/-0.007 χ^2/NDF:3896895.7/53

Out: 61.388+/-0.007 χ^2/NDF:5069371.3/59

All: 61.239+/-0.005 χ^2/NDF: 8967130.7/113



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: -287.655+/-189.474 χ^2/NDF: 29.6/34

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

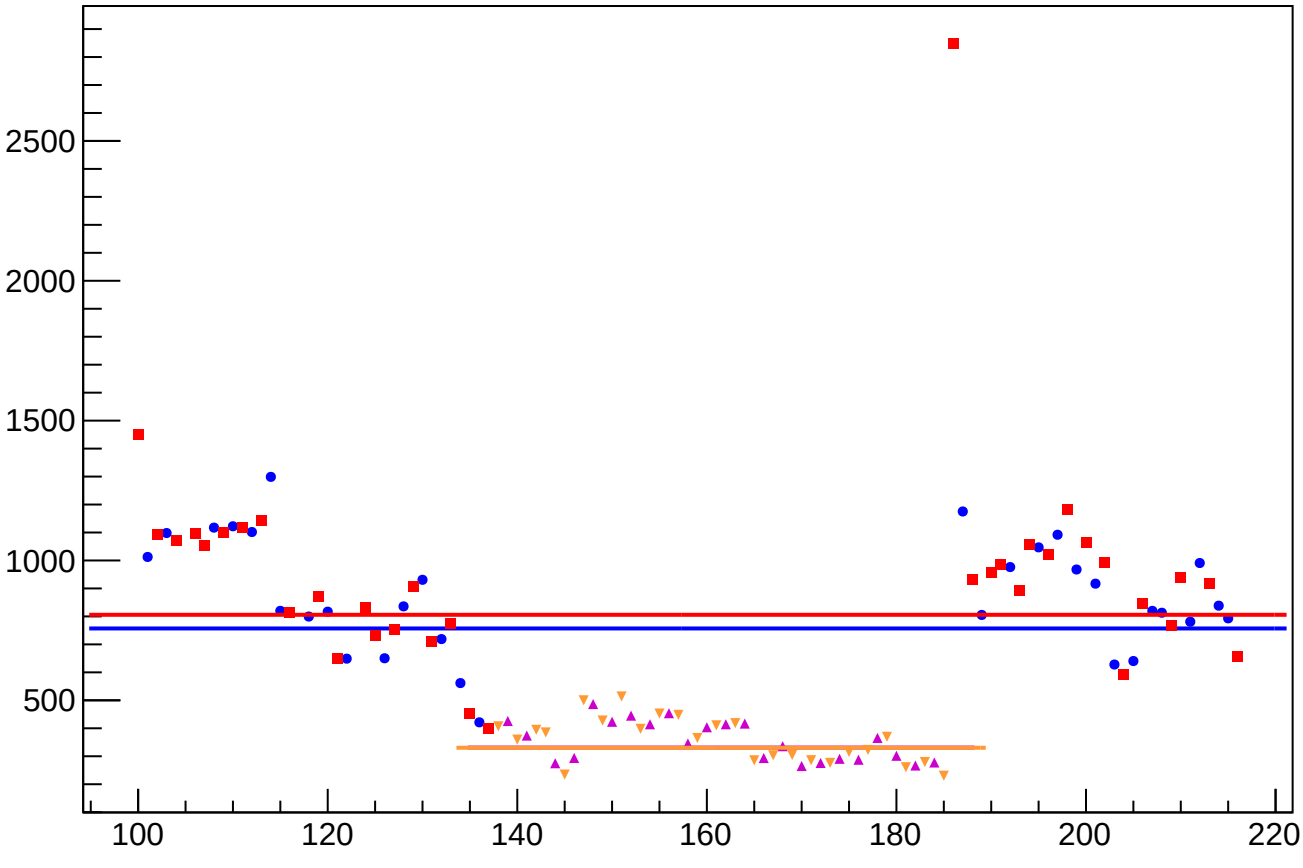
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 189.810+/-130.256 χ^2/NDF: 78.4/65

In: 107.216+/-72.394 χ^2/NDF:78.7/53

Out: 40.993+/-71.441 χ^2/NDF:66.3/59

All: 73.666+/-50.850 χ^2/NDF: 145.5/113



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: 805.786+/-0.134 χ^2/NDF: 2992921.6/34

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

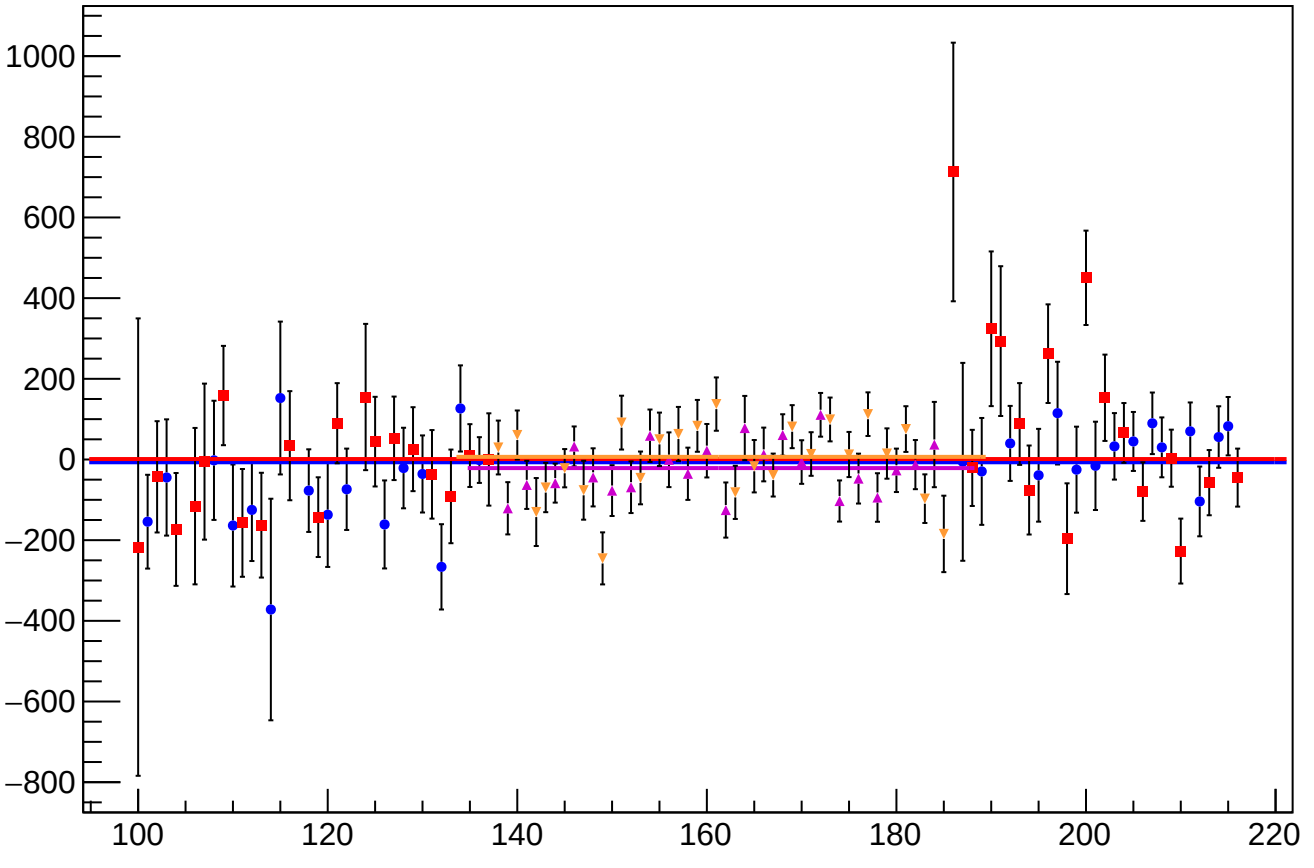
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 780.014+/-0.092 χ^2/NDF: 5701073.5/65

In: 400.435+/-0.051 χ^2/NDF:13401512.2/53

Out: 397.989+/-0.051 χ^2/NDF:15545228.2/59

All: 399.195+/-0.036 χ^2/NDF: 28947897.2/11



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: 1.114+/-18.238 χ^2/NDF: 57.6/34

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

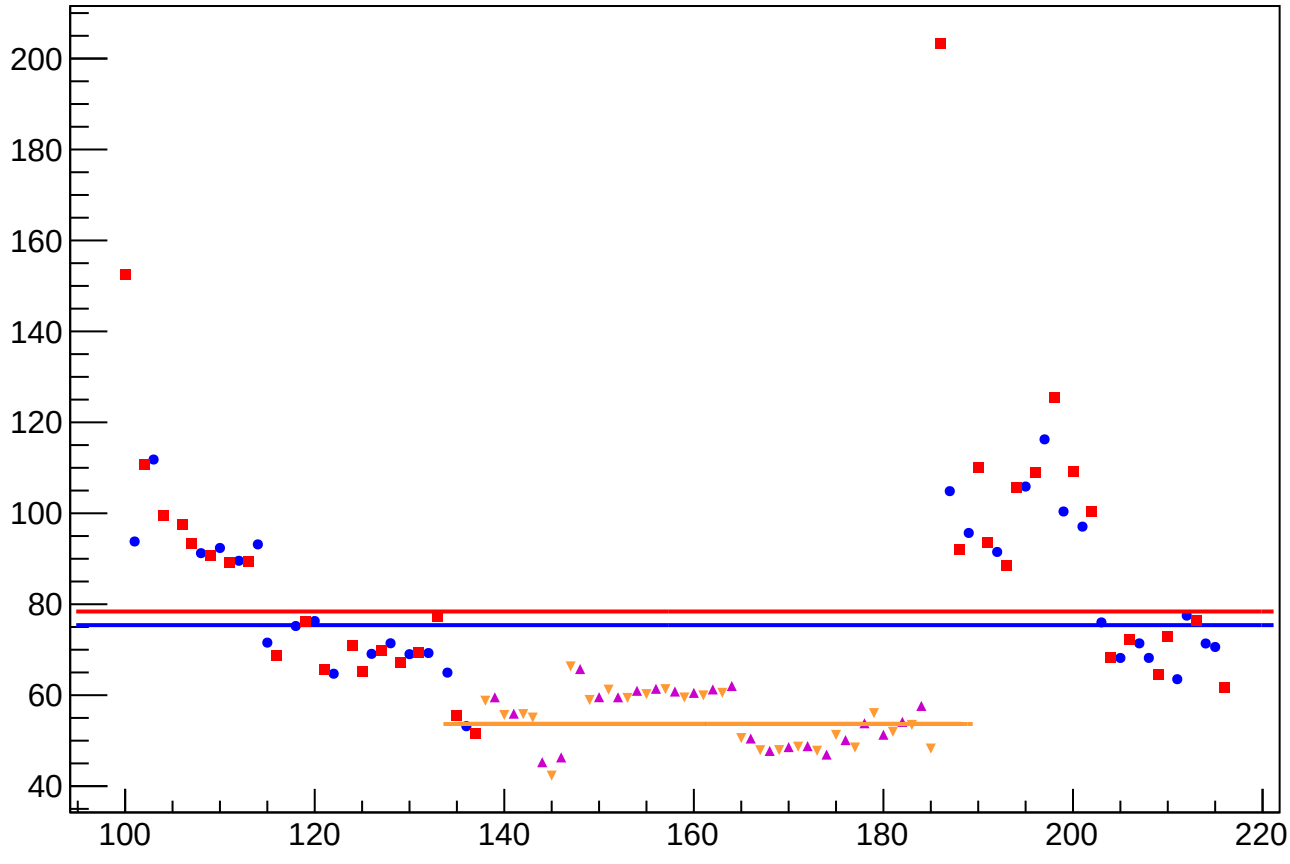
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -3.036+/-12.666 χ^2/NDF: 83.9/65

In: -16.420+/-10.272 χ^2/NDF:52.0/53

Out: 4.836+/-10.190 χ^2/NDF:108.3/59

All: -5.707+/-7.234 χ^2/NDF: 162.5/113



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: 78.403+/-0.013 χ^2/NDF: 2066351.0/34

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

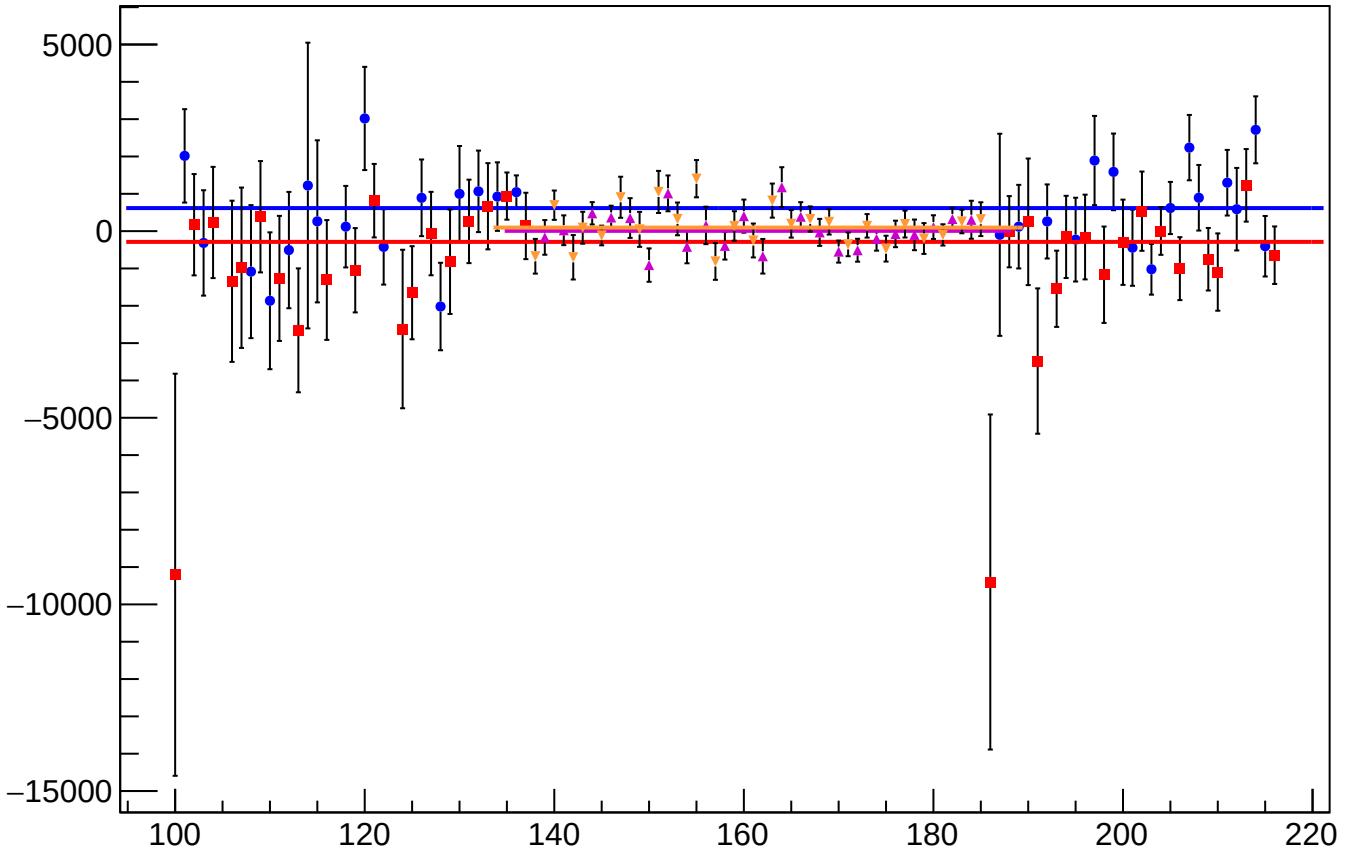
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 76.850+/-0.009 χ^2/NDF: 3513733.4/65

In: 61.088+/-0.007 χ^2/NDF:3896895.7/53

Out: 61.388+/-0.007 χ^2/NDF:5069371.3/59

All: 61.239+/-0.005 χ^2/NDF: 8967130.7/113



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: -287.655+/-189.474 χ^2/NDF: 29.6/34

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

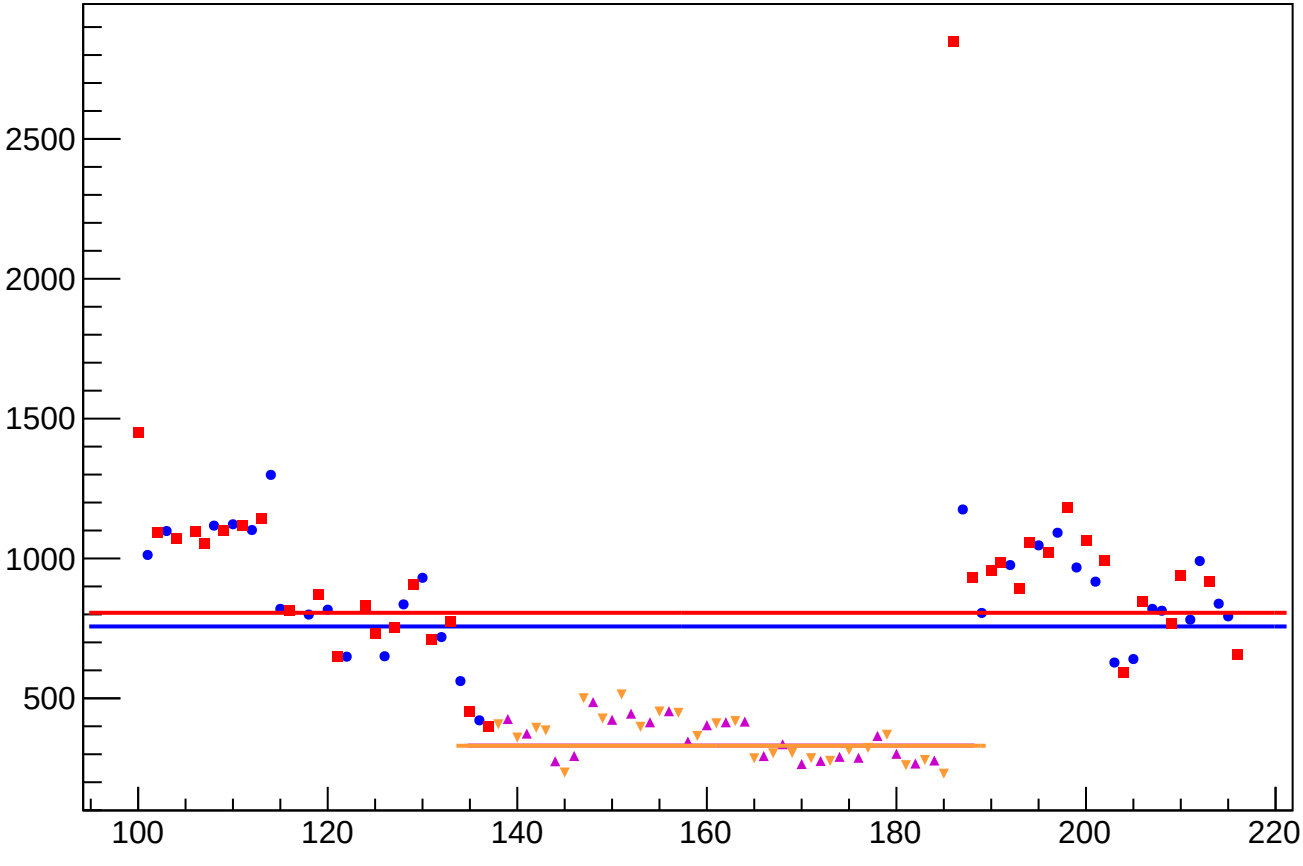
Right: 189.810+/-130.256 χ^2/NDF: 78.4/65

In: 107.216+/-72.394 χ^2/NDF:78.7/53

Out: 40.993+/-71.441 χ^2/NDF:66.3/59

All: 73.666+/-50.850 χ^2/NDF: 145.5/113

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: 805.786+/-0.134 χ^2/NDF: 2992921.6/34

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

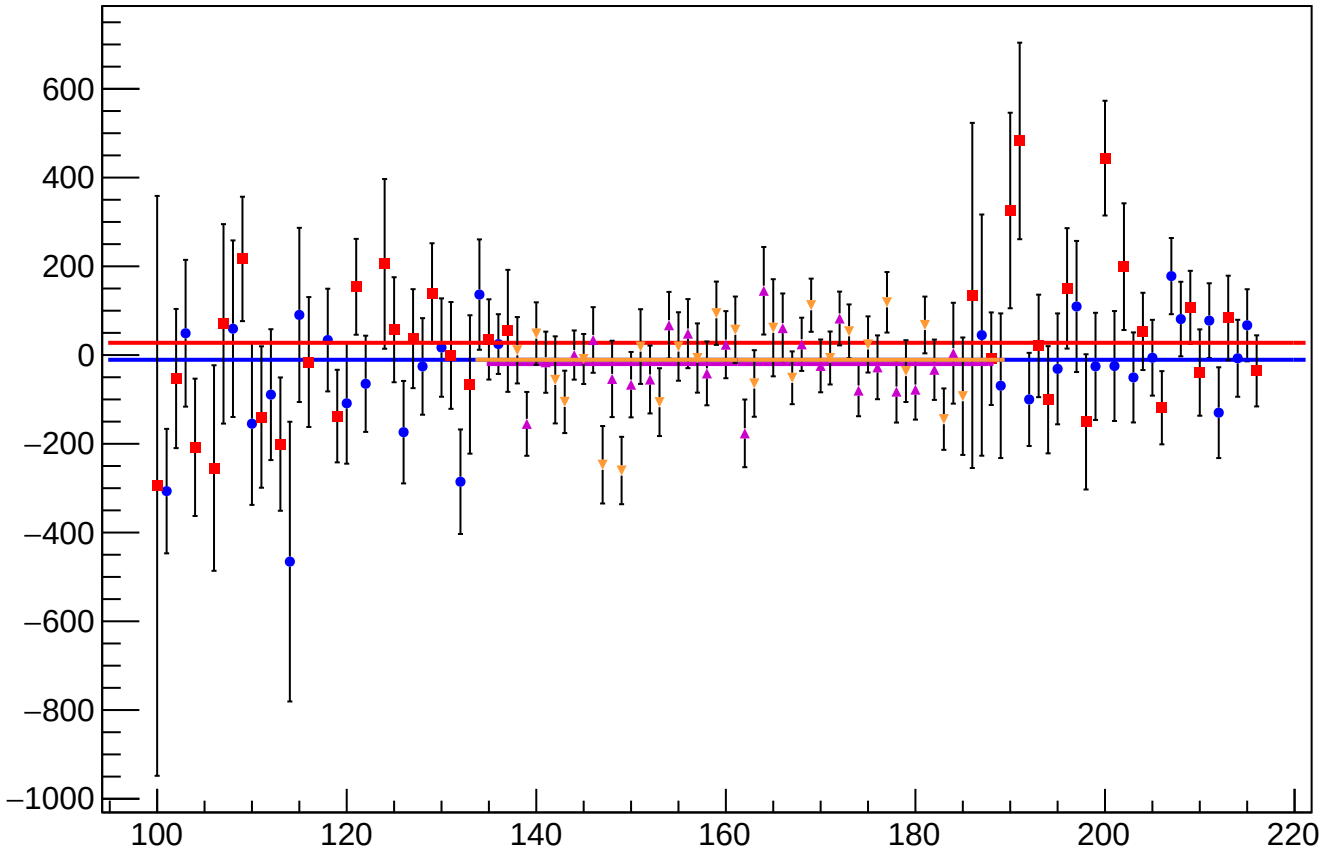
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 780.014+/-0.092 χ^2/NDF: 5701073.5/65

In: 400.435+/-0.051 χ^2/NDF:13401512.2/53

Out: 397.989+/-0.051 χ^2/NDF:15545228.2/59

All: 399.195+/-0.036 χ^2/NDF: 28947897.2/11



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: 27.643+/-20.798 χ^2/NDF: 42.9/34

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

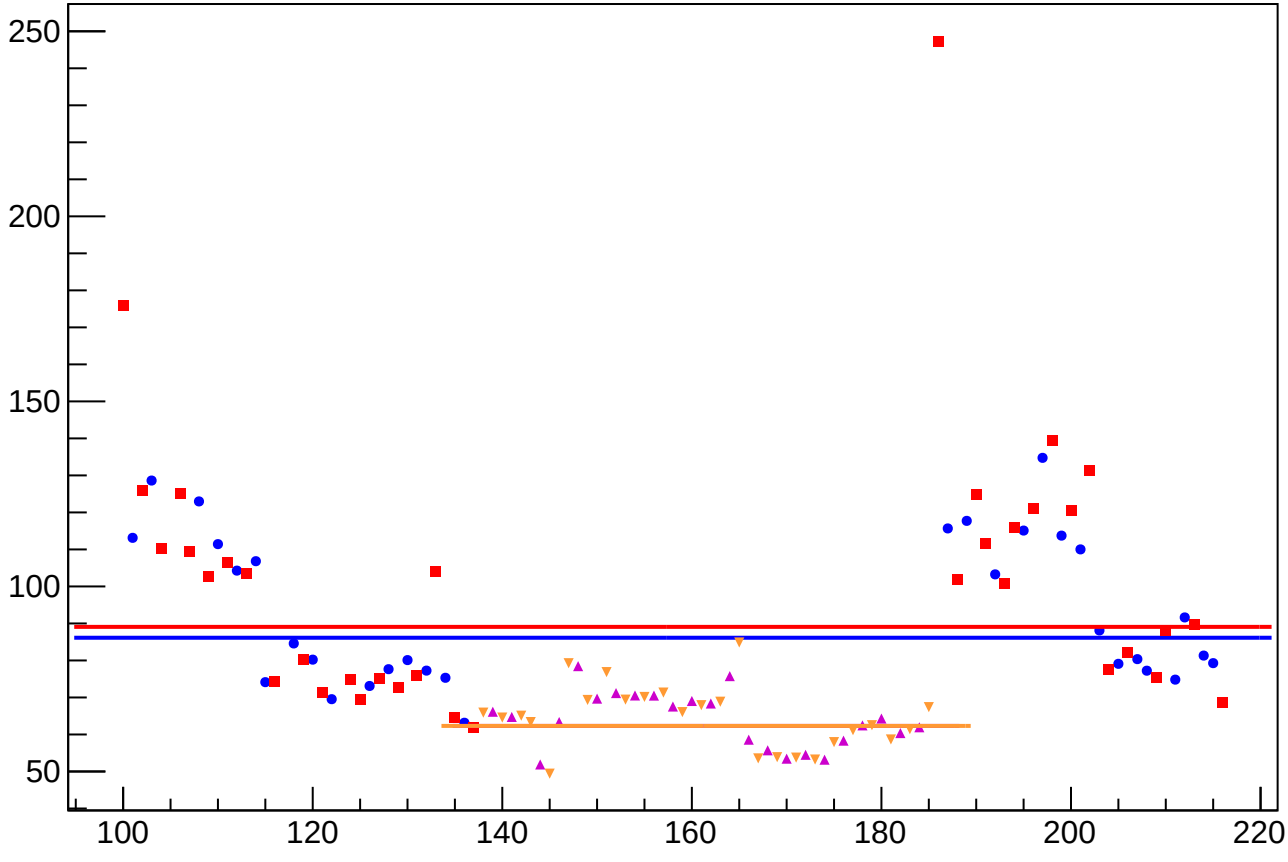
Right: 7.939+/-14.485 χ^2/NDF: 73.9/65

In: -16.935+/-11.909 χ^2/NDF:51.1/53

Out: 1.679+/-11.789 χ^2/NDF:87.4/59

All: -7.534+/-8.378 χ^2/NDF: 139.7/113

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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: 89.075+/-0.015 χ^2/NDF: 2215680.7/34

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

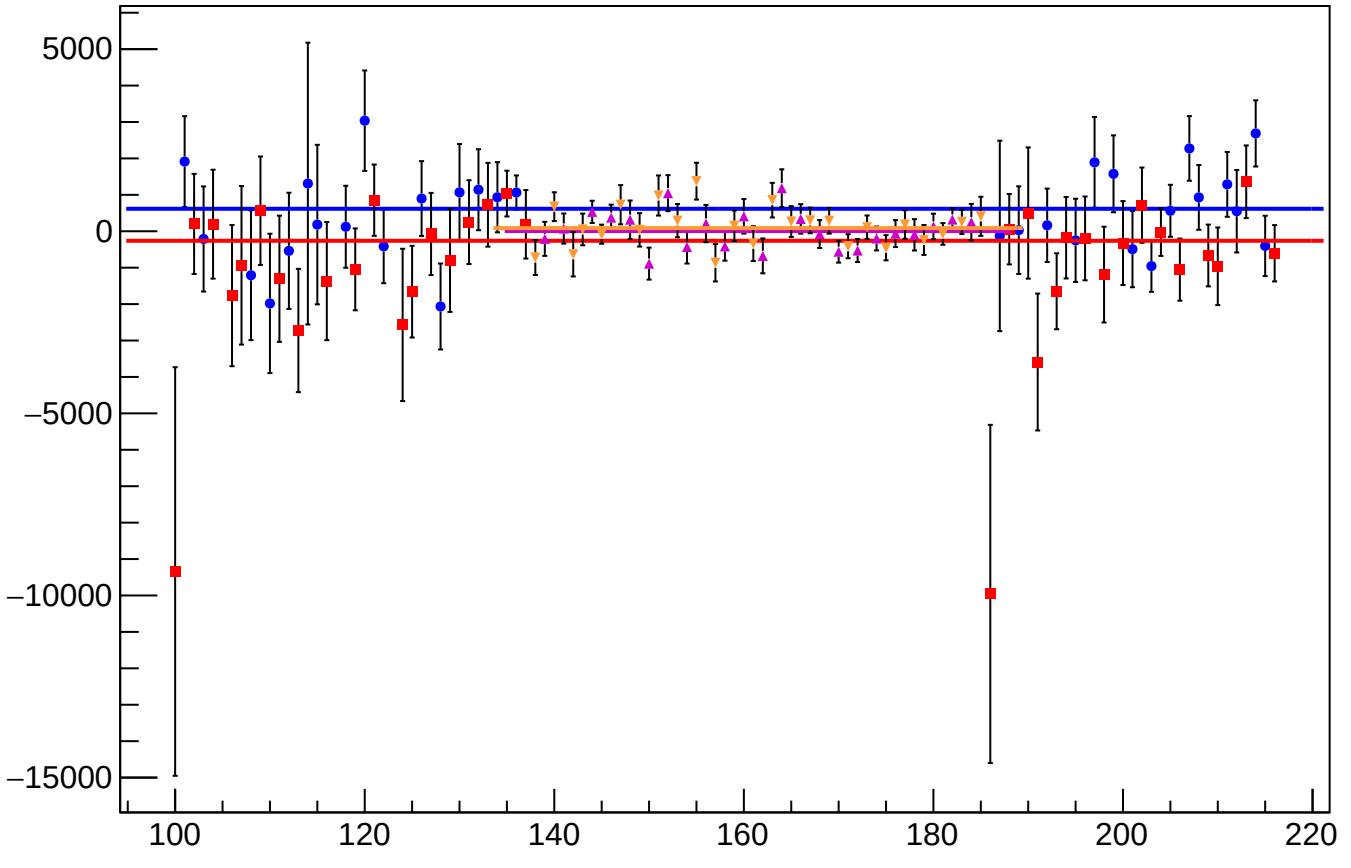
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 87.563+/-0.010 χ^2/NDF: 3711899.3/65

In: 70.605+/-0.008 χ^2/NDF:3777222.6/53

Out: 70.915+/-0.008 χ^2/NDF:5098935.0/59

All: 70.761+/-0.006 χ^2/NDF: 8876840.5/113



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: -261.356+/-191.563 χ^2/NDF: 32.1/34

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

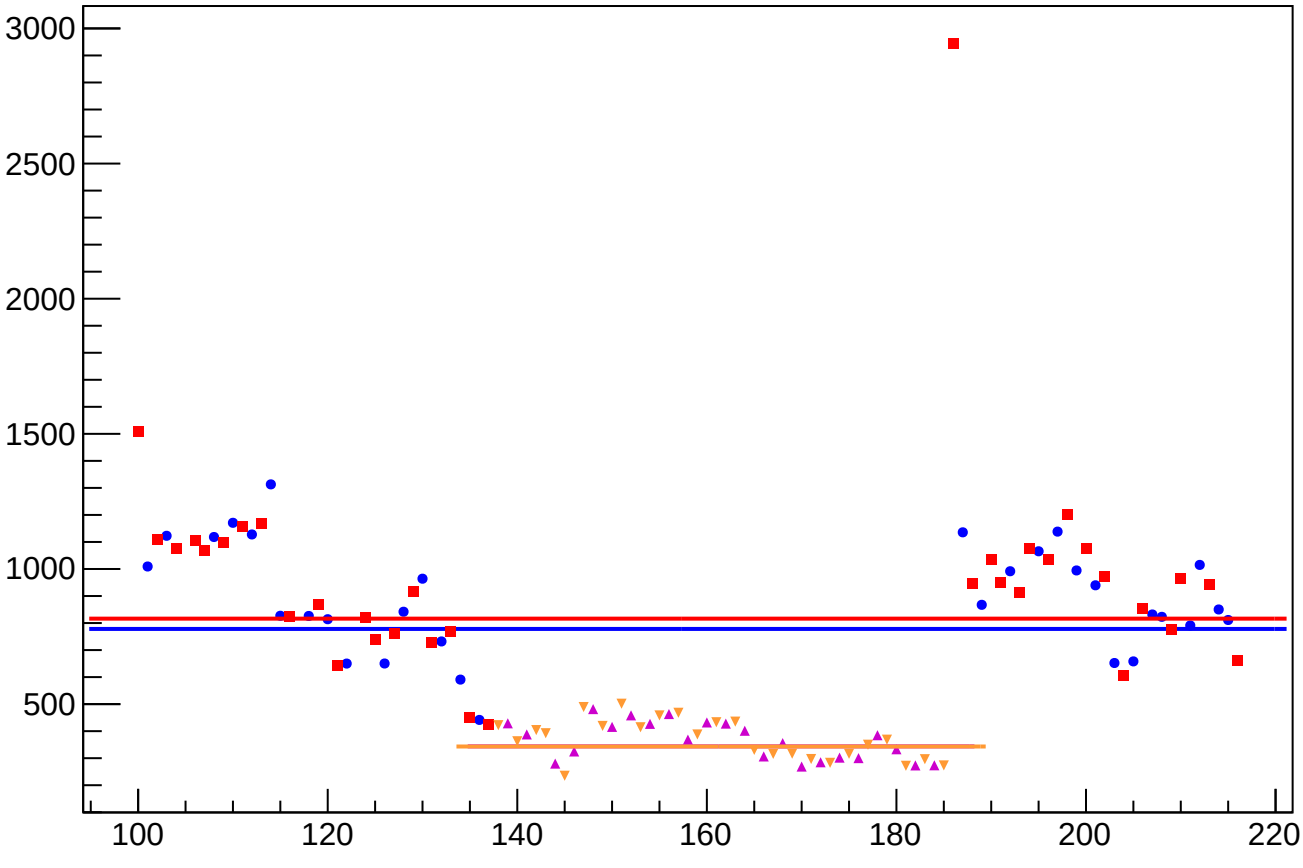
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 195.939+/-132.668 χ^2/NDF: 78.7/65

In: 108.036+/-74.977 χ^2/NDF:77.4/53

Out: 35.435+/-73.693 χ^2/NDF:66.5/59

All: 71.108+/-52.557 χ^2/NDF: 144.4/113



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: 816.295+/-0.135 χ^2/NDF: 3002106.4/34

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

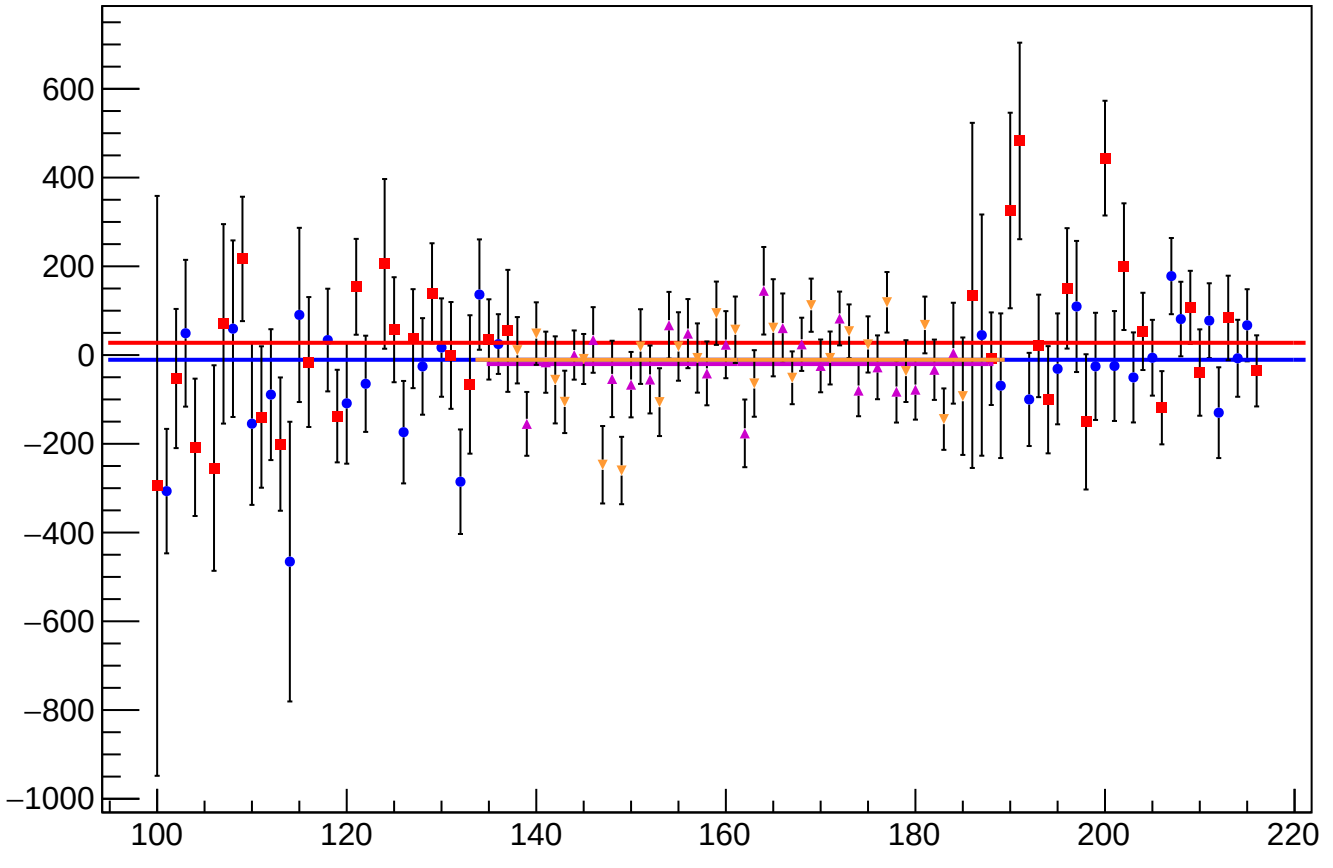
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 796.475+/-0.094 χ^2/NDF: 5536429.4/65

In: 415.930+/-0.053 χ^2/NDF:13058965.7/53

Out: 413.233+/-0.052 χ^2/NDF:14989570.9/59

All: 414.558+/-0.037 χ^2/NDF: 28049852.8/11



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: 27.643+/-20.798 χ^2/NDF: 42.9/34

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

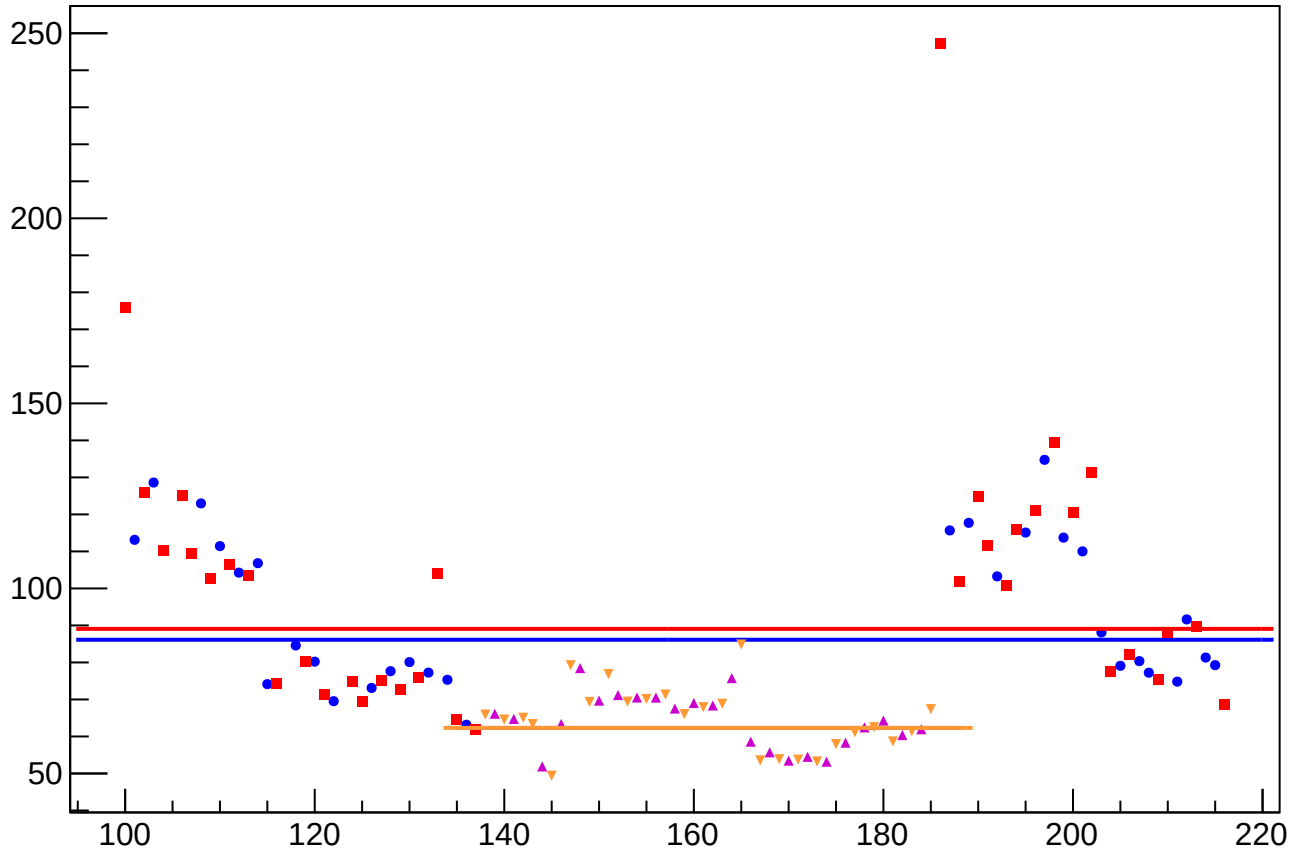
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 7.939+/-14.485 χ^2/NDF: 73.9/65

In: -16.935+/-11.909 χ^2/NDF:51.1/53

Out: 1.680+/-11.789 χ^2/NDF:87.4/59

All: -7.533+/-8.378 χ^2/NDF: 139.7/113



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: 89.075+/-0.015 χ^2/NDF: 2215669.5/34

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

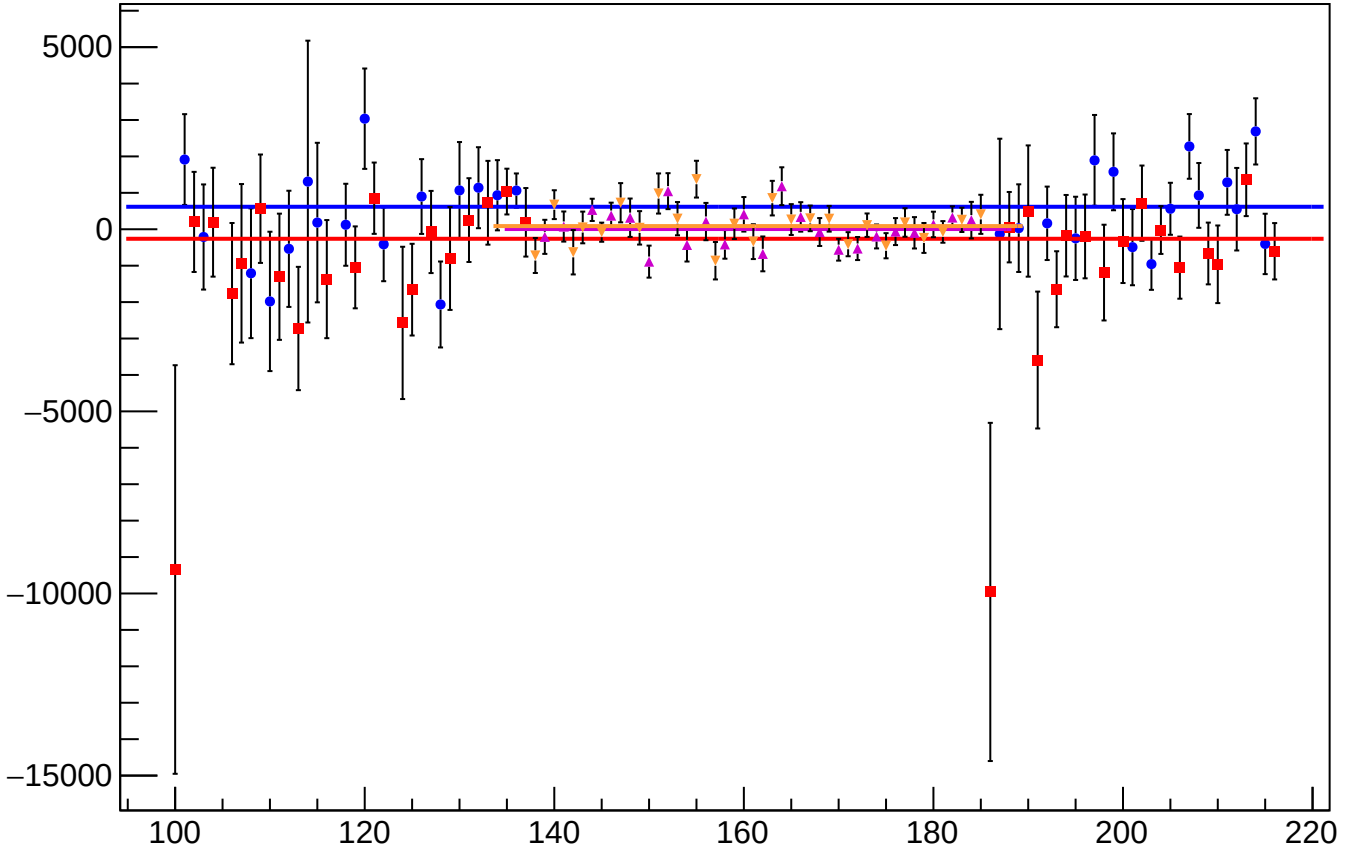
Right: 87.563+/-0.010 χ^2/NDF: 3711901.9/65

In: 70.605+/-0.008 χ^2/NDF:3777173.9/53

Out: 70.915+/-0.008 χ^2/NDF:5098903.9/59

All: 70.762+/-0.006 χ^2/NDF: 8876760.3/113

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -261.357+/-191.564 χ^2/NDF: 32.1/34

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

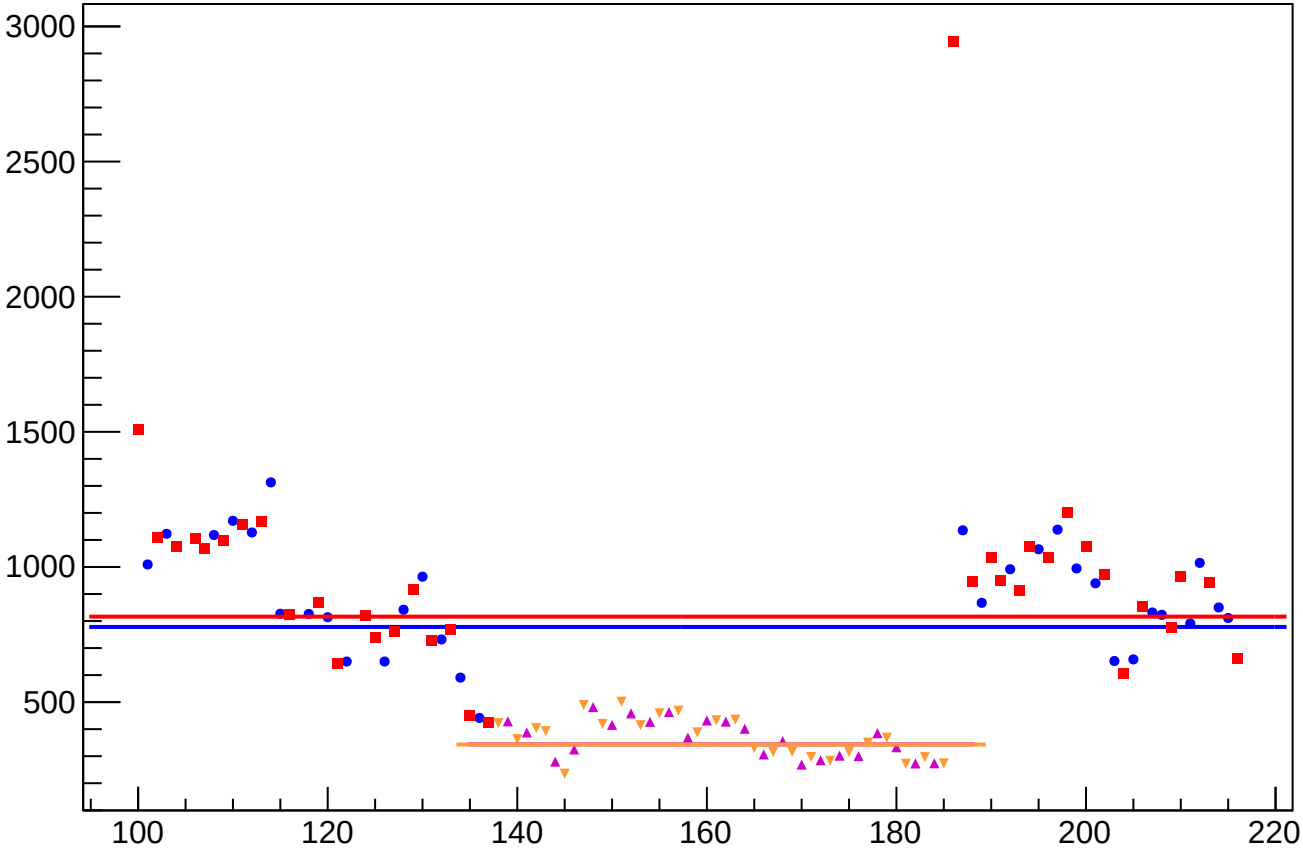
Right: 195.939+/-132.668 χ^2/NDF: 78.7/65

In: 108.036+/-74.977 χ^2/NDF:77.4/53

Out: 35.435+/-73.693 χ^2/NDF:66.5/59

All: 71.108+/-52.557 χ^2/NDF: 144.4/113

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: 816.296+/-0.135 χ^2/NDF: 3002092.5/34

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

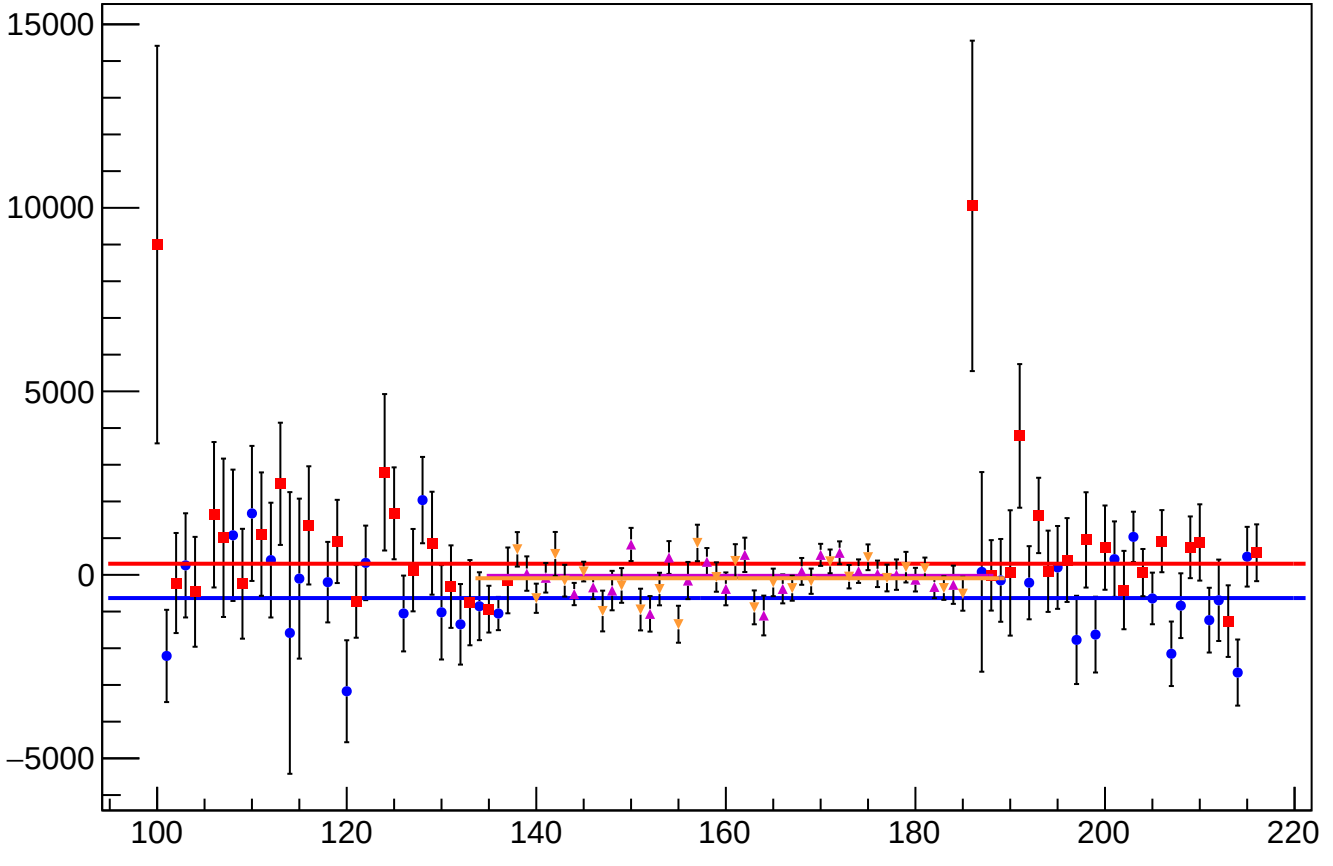
Right: 796.475+/-0.094 χ^2/NDF: 5536403.0/65

In: 415.930+/-0.053 χ^2/NDF:13058965.4/53

Out: 413.233+/-0.052 χ^2/NDF:14989584.3/59

All: 414.559+/-0.037 χ^2/NDF: 28049866.0/11

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: 303.001+/-190.321 χ^2/NDF: 29.8/34

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

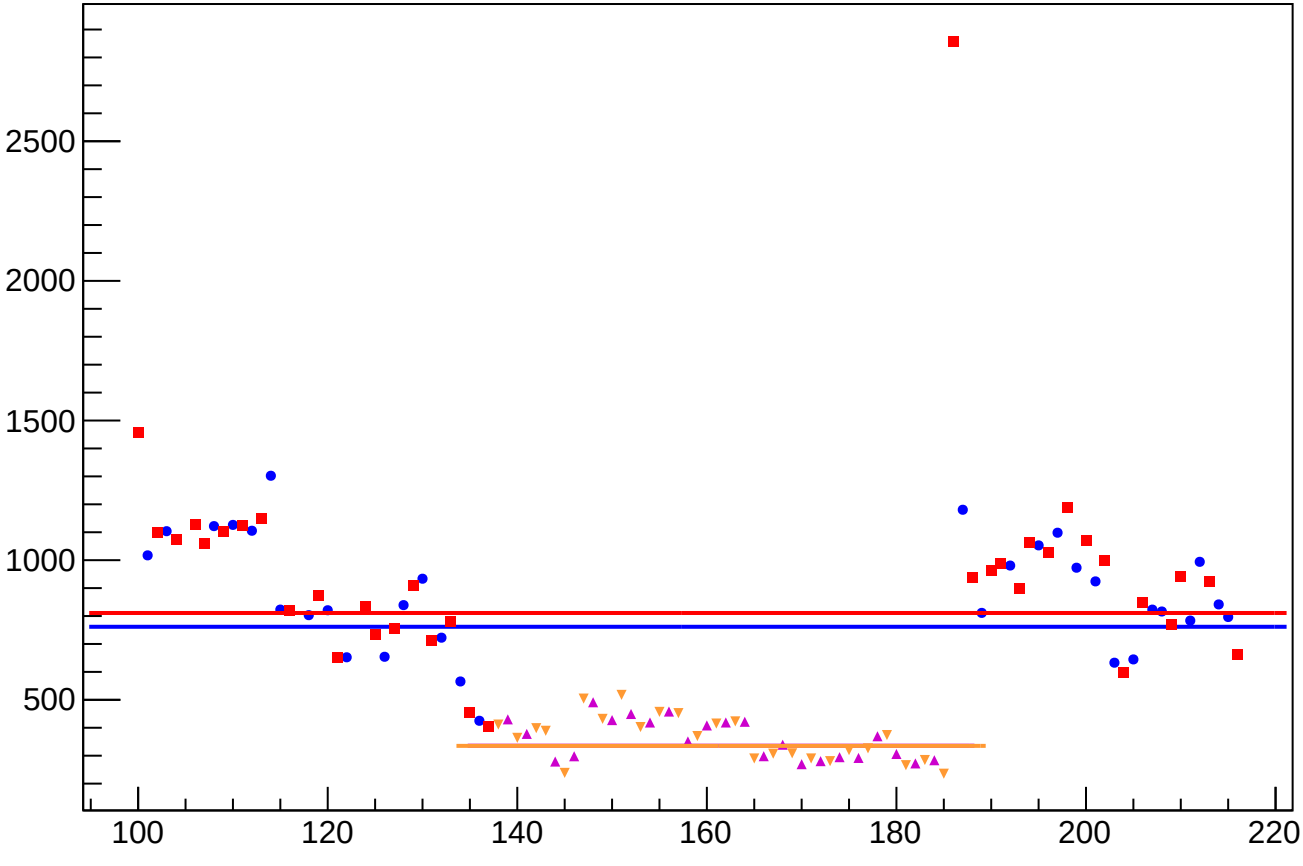
Right: -189.797+/-130.922 χ^2/NDF: 79.0/65

In: -127.094+/-73.289 χ^2/NDF:76.7/53

Out: -35.539+/-72.320 χ^2/NDF:67.7/59

All: -80.708+/-51.477 χ^2/NDF: 145.3/113

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: 810.925+/-0.135 χ^2/NDF: 2990163.5/34

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

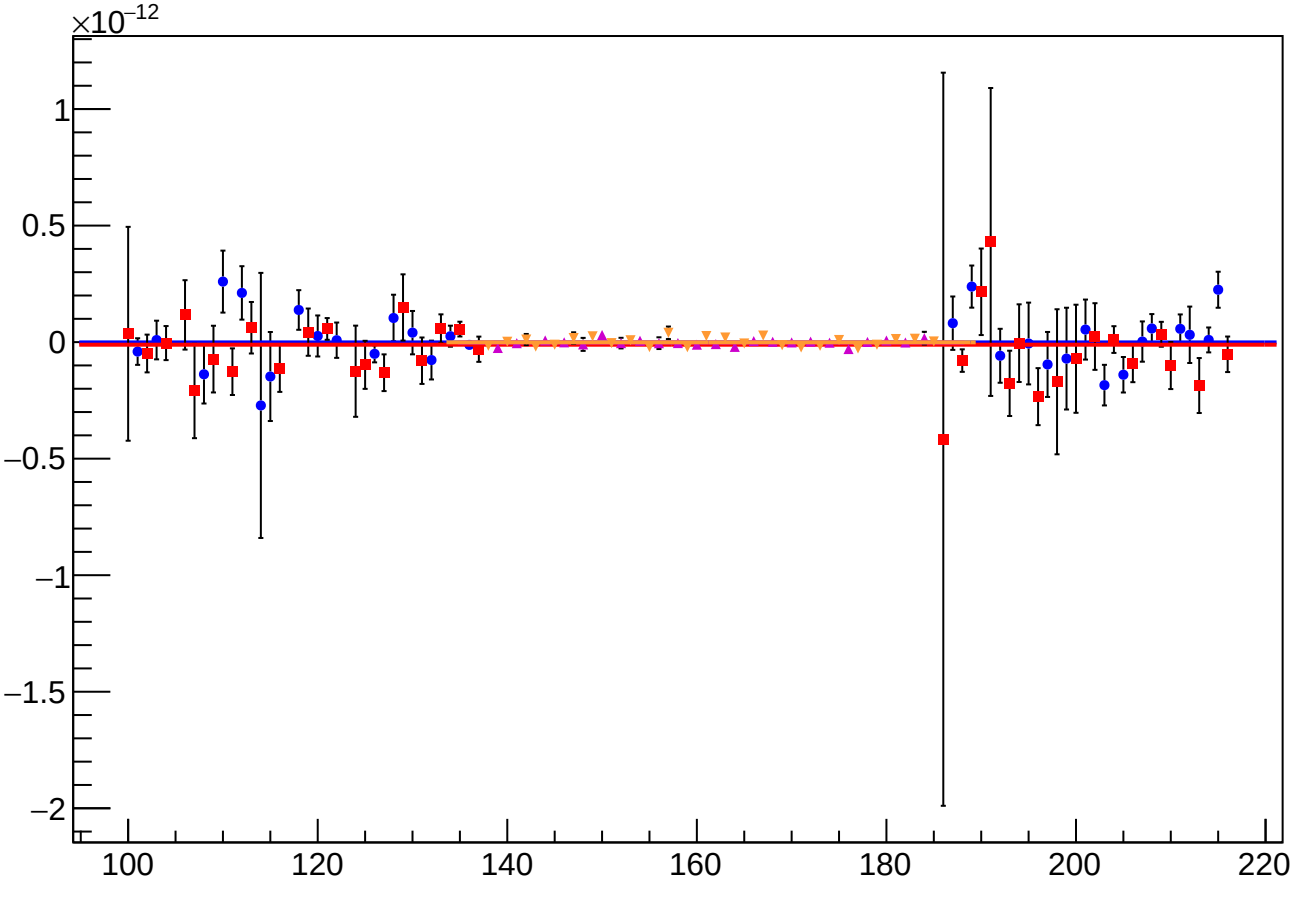
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 784.909+/-0.093 χ^2/NDF: 5672867.3/65

In: 406.069+/-0.052 χ^2/NDF:13205594.9/53

Out: 403.848+/-0.051 χ^2/NDF:15390101.5/59

All: 404.943+/-0.036 χ^2/NDF: 28596627.0/11



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: 32.4/34

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

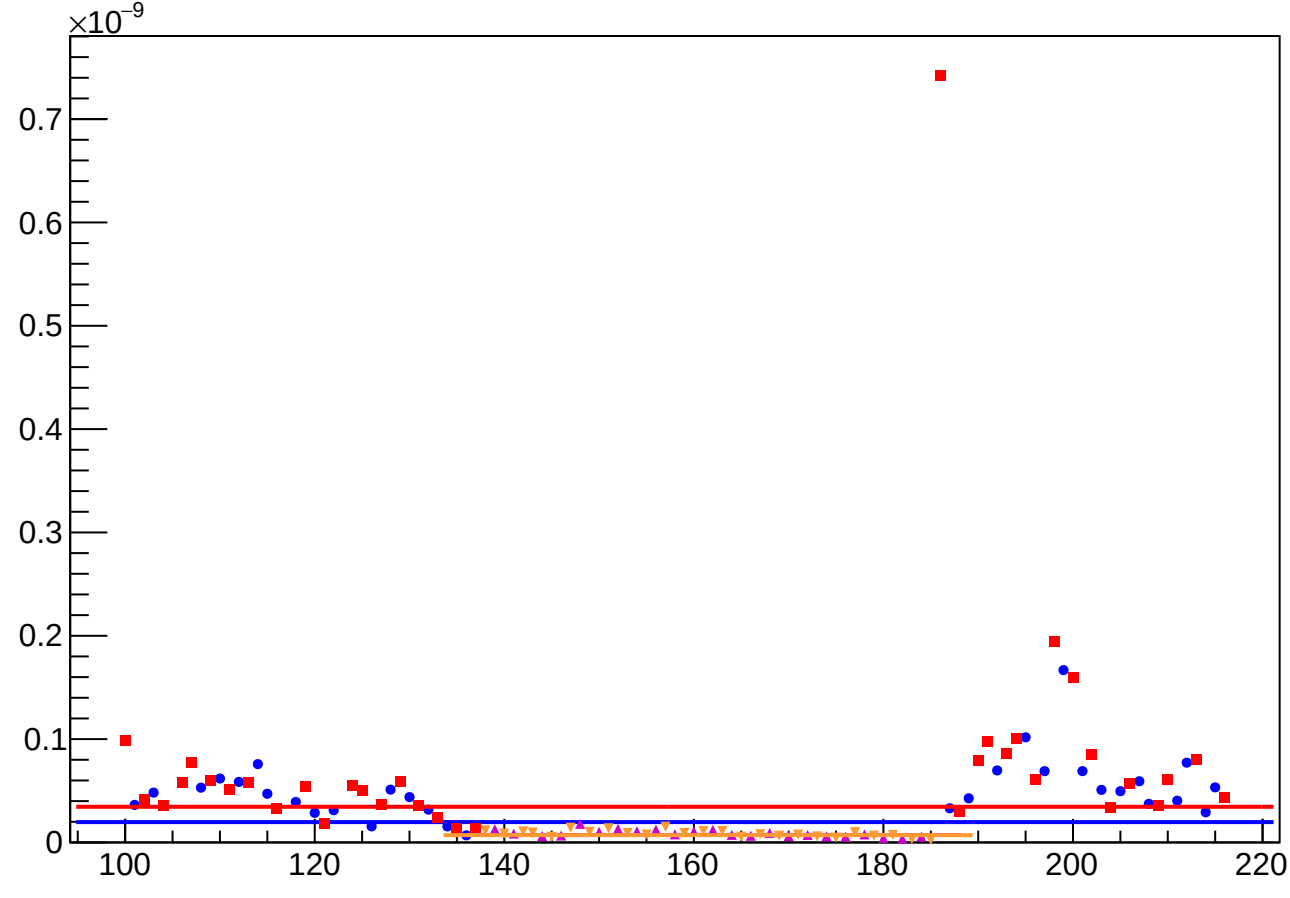
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 77.1/65

In: -0.000+/-0.000 χ^2/NDF:59.1/53

Out: -0.000+/-0.000 χ^2/NDF:66.2/59

All: -0.000+/-0.000 χ^2/NDF: 125.3/113



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: 5298210.5/34

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

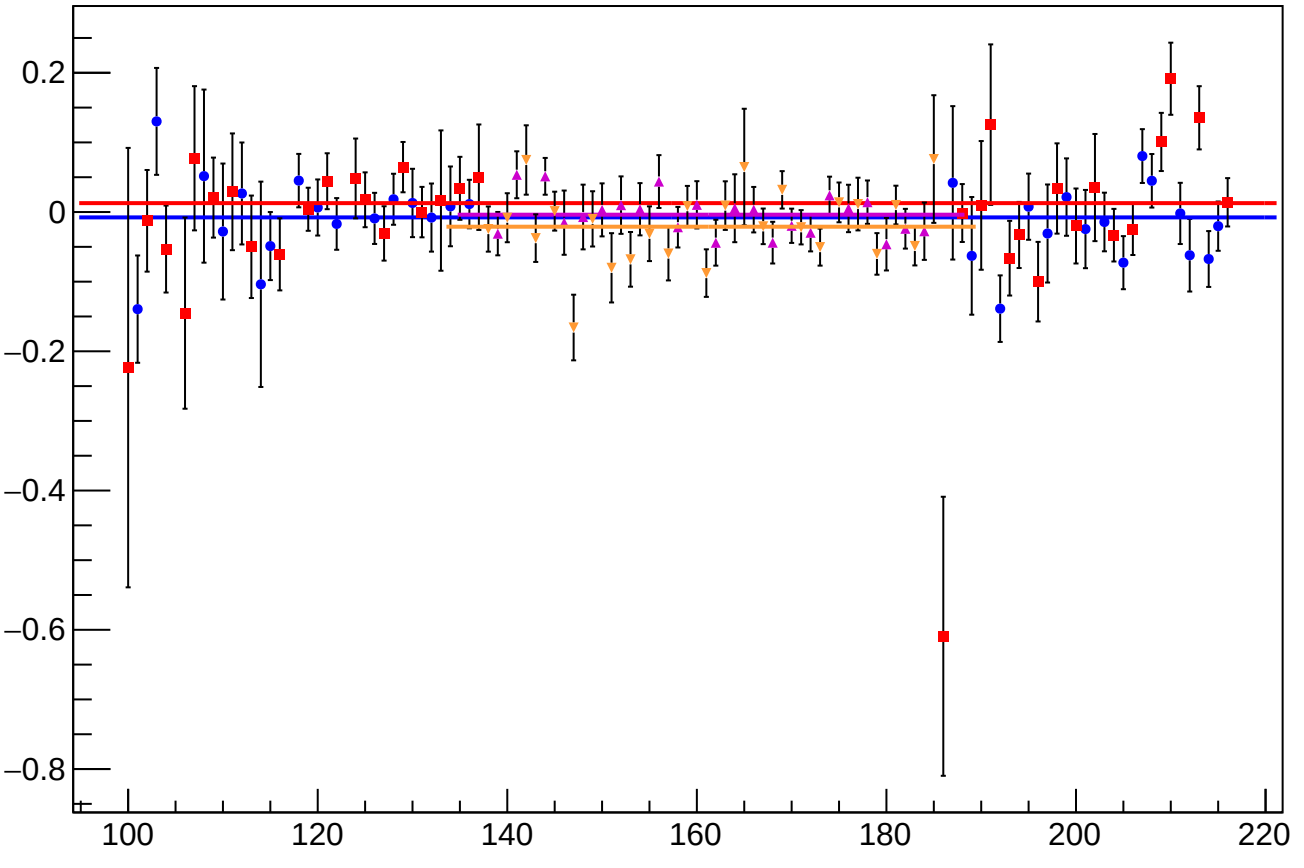
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15272254.3/65

In: 0.000+/-0.000 χ^2/NDF:13183163.9/53

Out: 0.000+/-0.000 χ^2/NDF:14782884.0/59

All: 0.000+/-0.000 χ^2/NDF: 27968796.3/113



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: 55.6/34

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

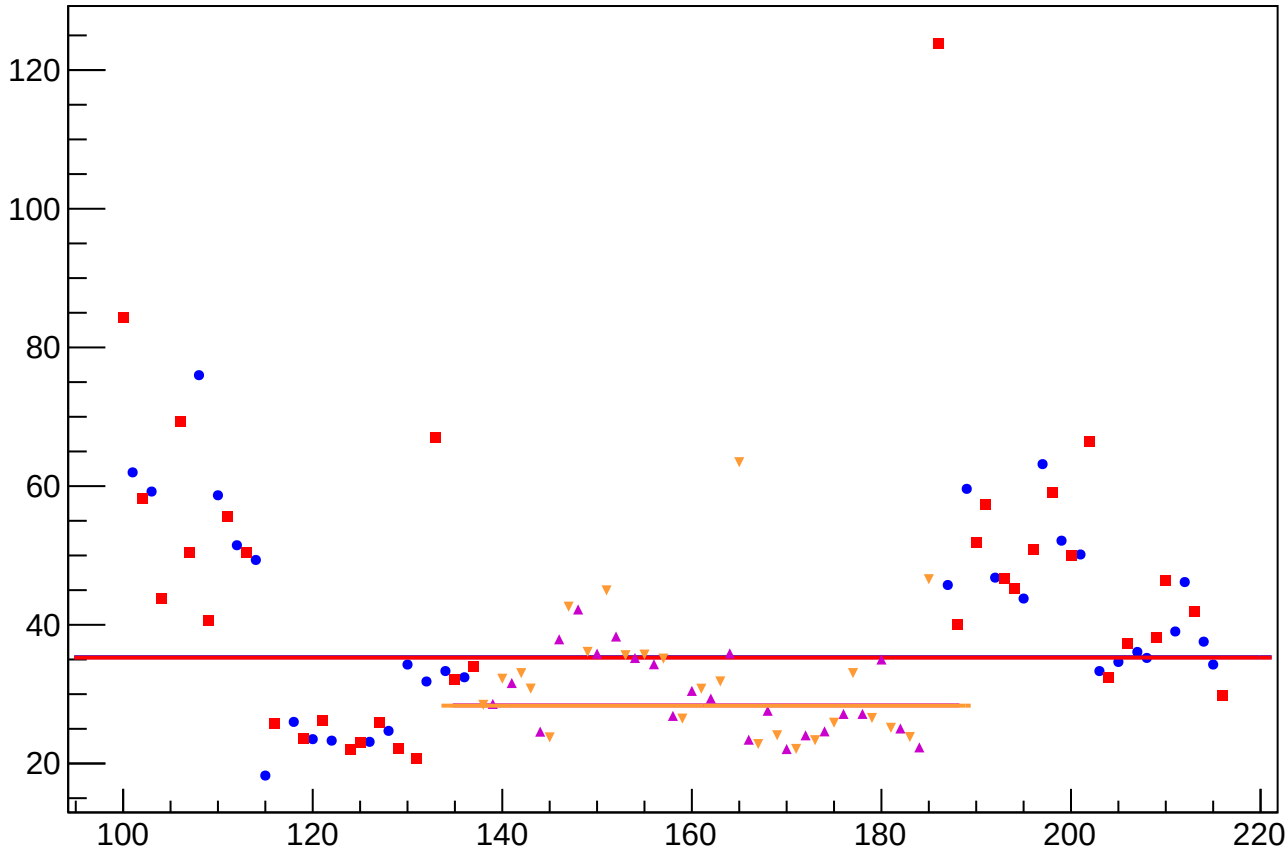
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.003+/-0.006 χ^2/NDF: 91.6/65

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.008+/-0.005 χ^2/NDF:102.5/59

All: -0.007+/-0.004 χ^2/NDF: 154.6/113



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: 35.272+/-0.006 χ^2/NDF: 4175655.0/34

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

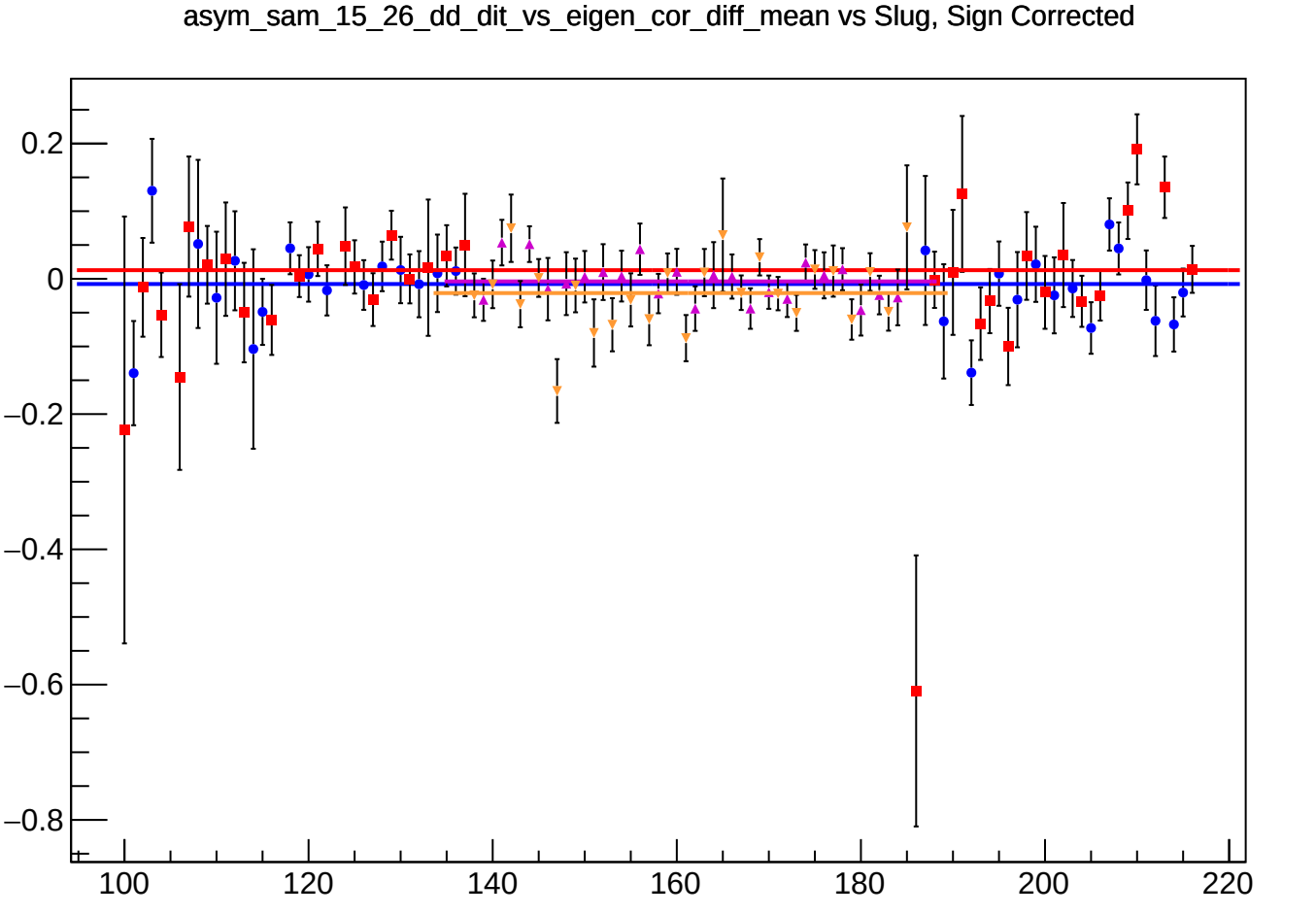
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.300+/-0.004 χ^2/NDF: 7324575.7/65

In: 31.082+/-0.004 χ^2/NDF:5041709.0/53

Out: 30.941+/-0.004 χ^2/NDF:6718906.4/59

All: 31.010+/-0.003 χ^2/NDF: 11761323.8/113



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: 55.6/34

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

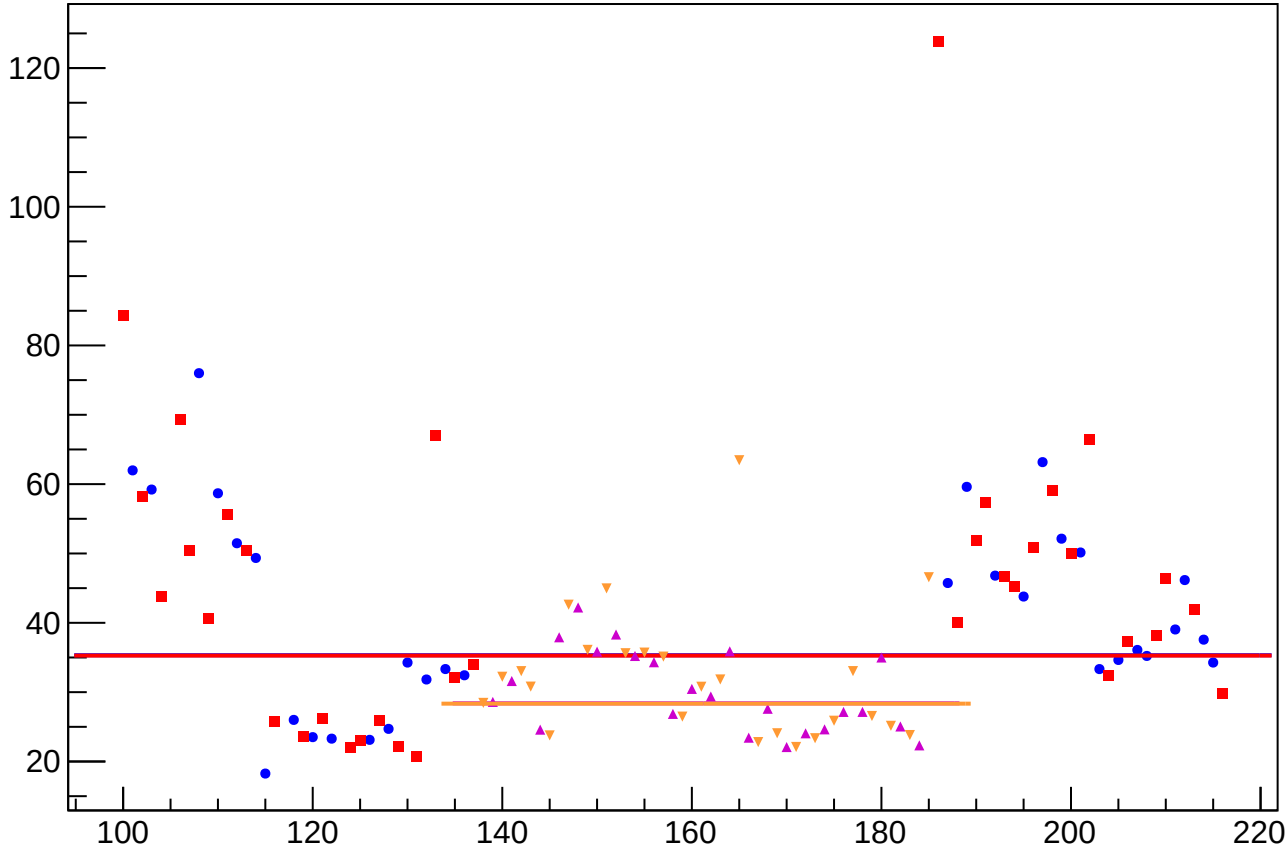
Right: 0.003+/-0.006 χ^2/NDF: 91.6/65

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.008+/-0.005 χ^2/NDF:102.5/59

All: -0.007+/-0.004 χ^2/NDF: 154.6/113

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: 35.272+/-0.006 χ^2/NDF: 4175655.0/34

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

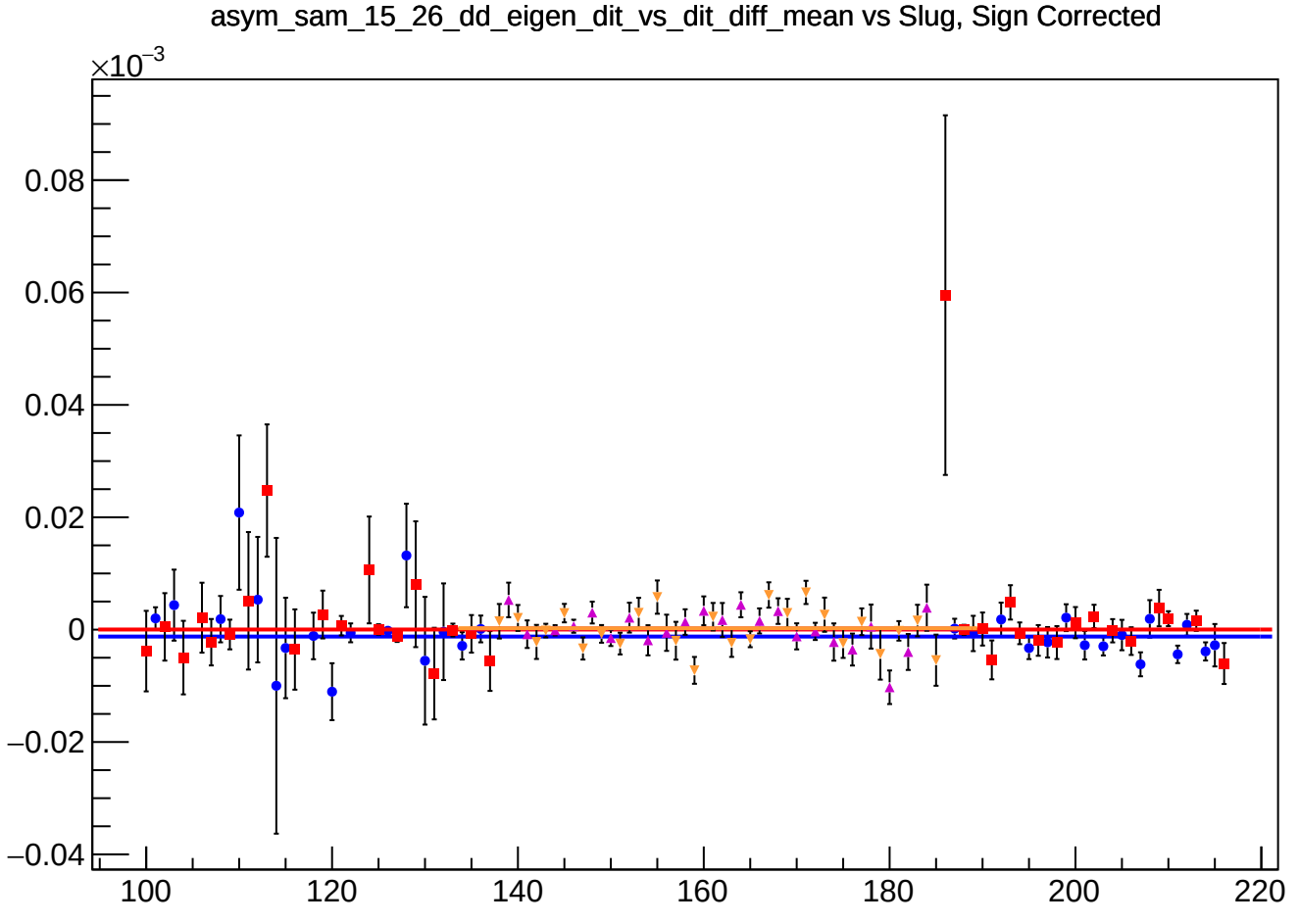
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 35.300+/-0.004 χ^2/NDF: 7324575.7/65

In: 31.082+/-0.004 χ^2/NDF:5041709.0/53

Out: 30.941+/-0.004 χ^2/NDF:6718906.4/59

All: 31.010+/-0.003 χ^2/NDF: 11761323.8/113



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: 30.6/34

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

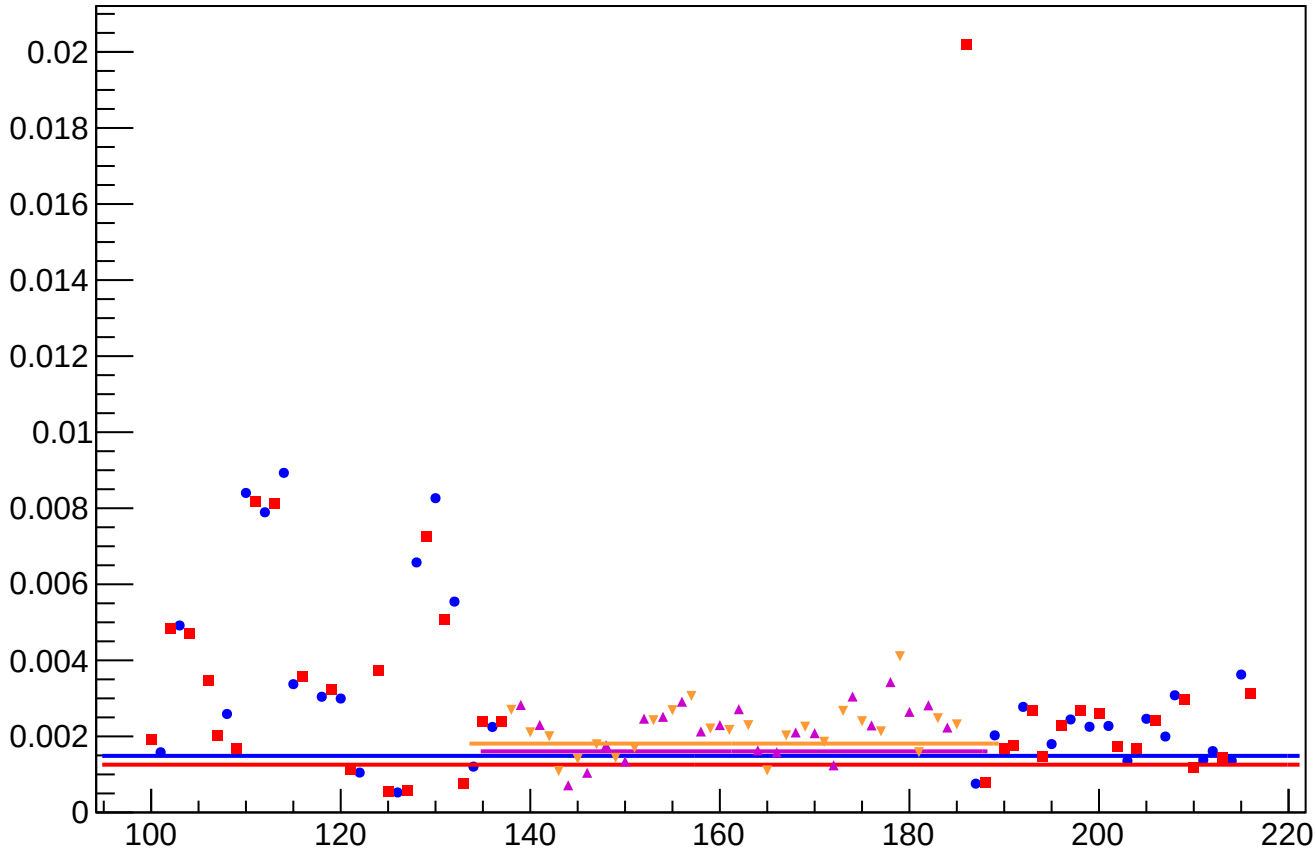
Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

Right: -0.000+/-0.000 χ^2/NDF: 72.6/65

In: -0.000+/-0.000 χ^2/NDF:76.2/53

Out: 0.000+/-0.000 χ^2/NDF:81.5/59

All: -0.000+/-0.000 χ^2/NDF: 160.2/113



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: 12189718.2/34

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

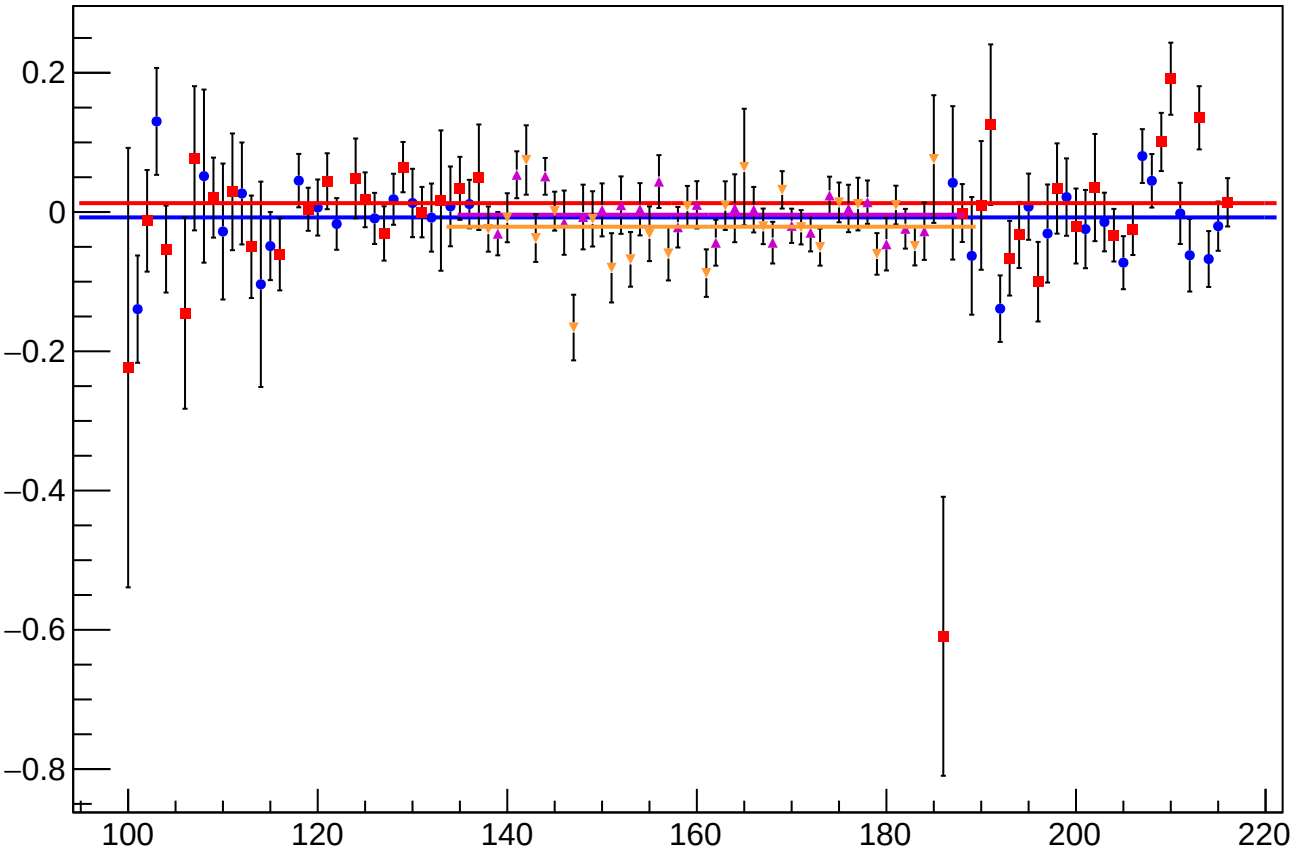
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 22965610.9/65

In: 0.002+/-0.000 χ^2/NDF:16534616.2/53

Out: 0.001+/-0.000 χ^2/NDF:17538264.1/59

All: 0.002+/-0.000 χ^2/NDF: 34118319.4/113



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: 55.7/34

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

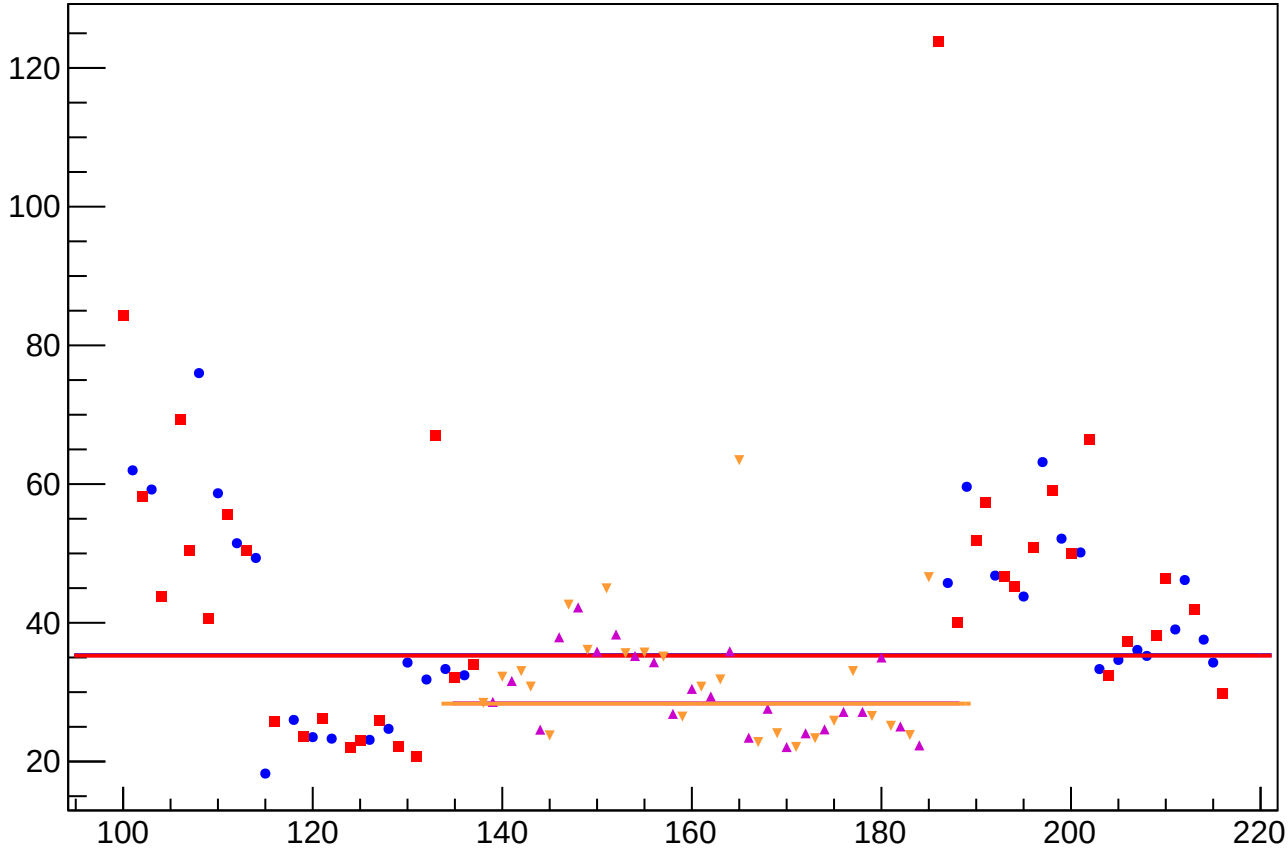
Right: 0.003+/-0.006 χ^2/NDF: 91.6/65

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.008+/-0.005 χ^2/NDF:102.5/59

All: -0.007+/-0.004 χ^2/NDF: 154.6/113

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: 35.272+/-0.006 χ^2/NDF: 4175765.0/34

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

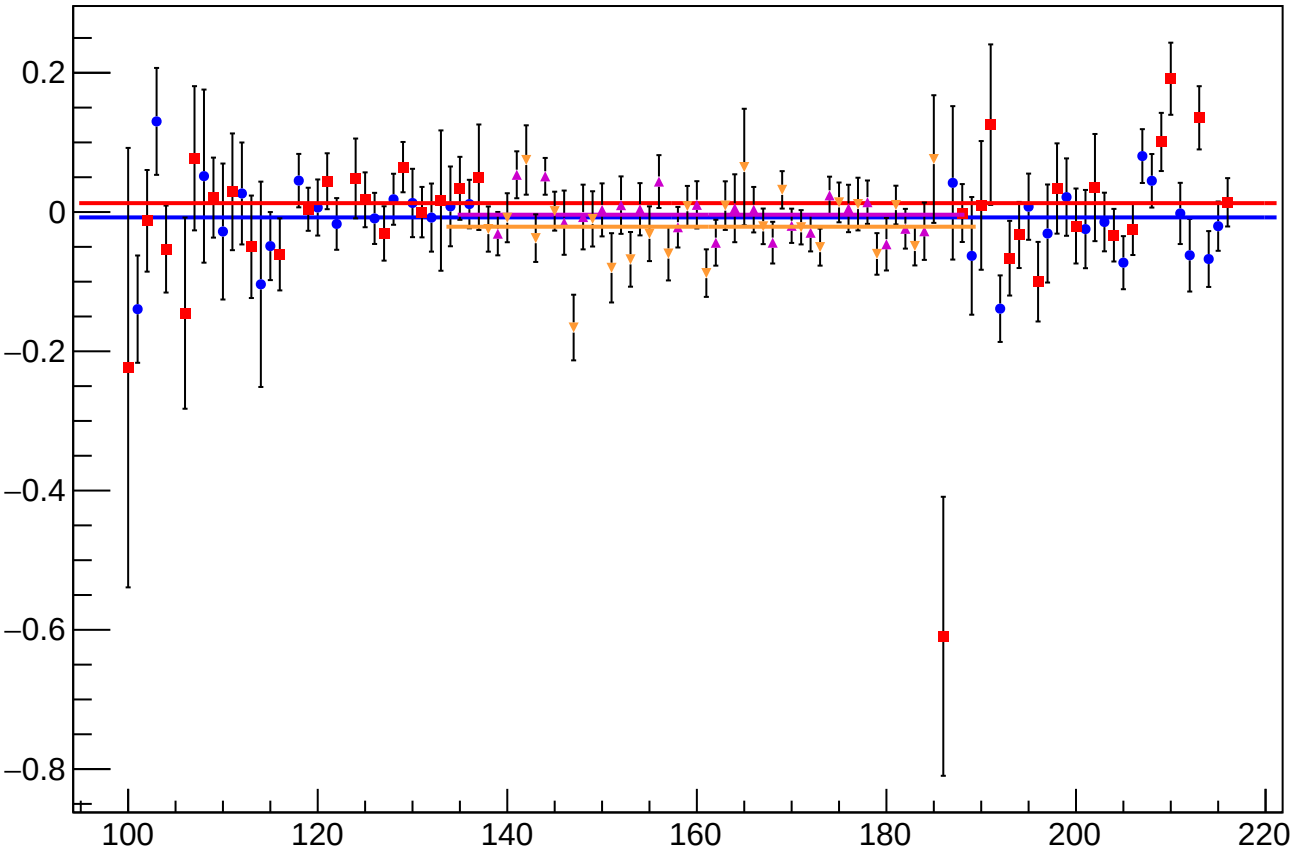
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.300+/-0.004 χ^2/NDF: 7324554.6/65

In: 31.082+/-0.004 χ^2/NDF:5041525.7/53

Out: 30.941+/-0.004 χ^2/NDF:6718919.6/59

All: 31.010+/-0.003 χ^2/NDF: 11761156.3/113



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: 55.7/34

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

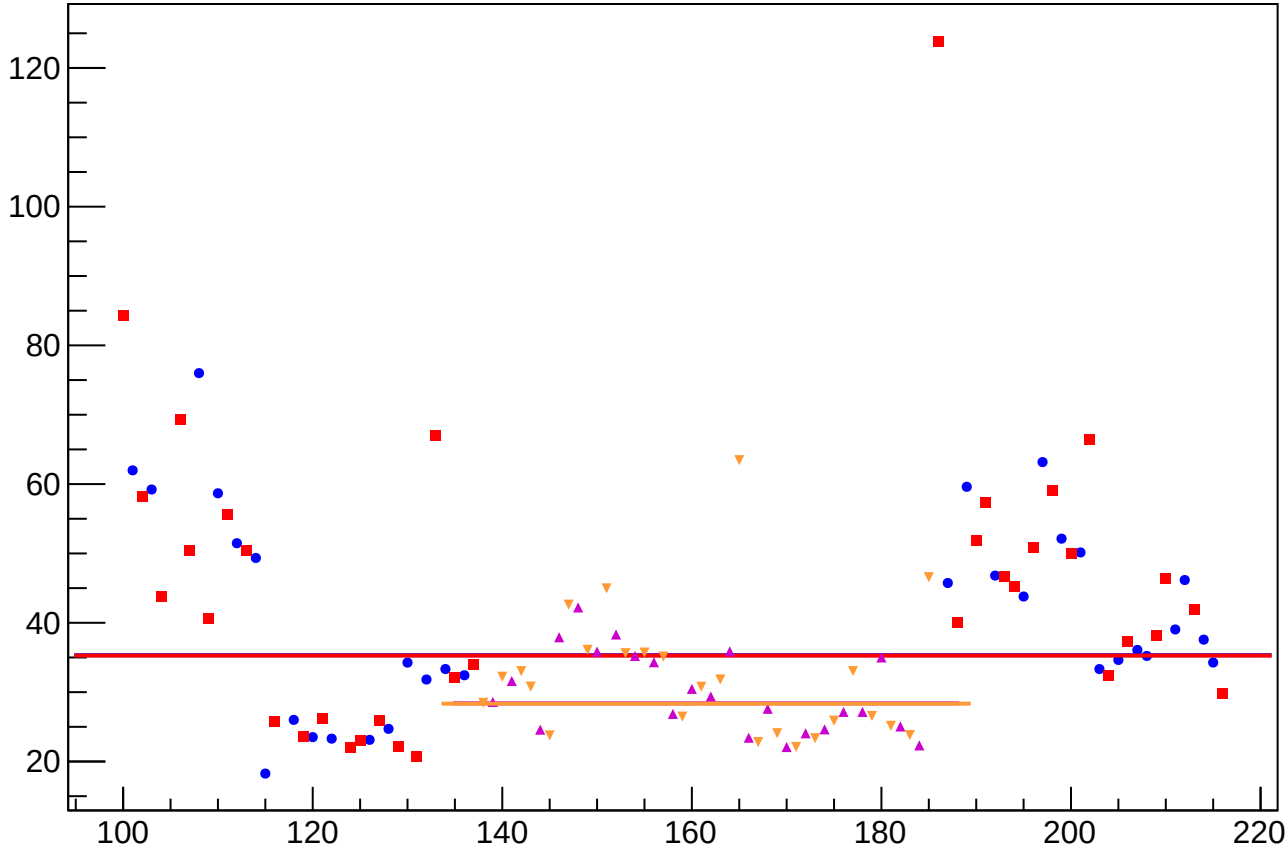
Right: 0.003+/-0.006 χ^2/NDF: 91.6/65

In: -0.005+/-0.005 χ^2/NDF:51.9/53

Out: -0.008+/-0.005 χ^2/NDF:102.5/59

All: -0.007+/-0.004 χ^2/NDF: 154.6/113

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: 35.272+/-0.006 χ^2/NDF: 4175765.0/34

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

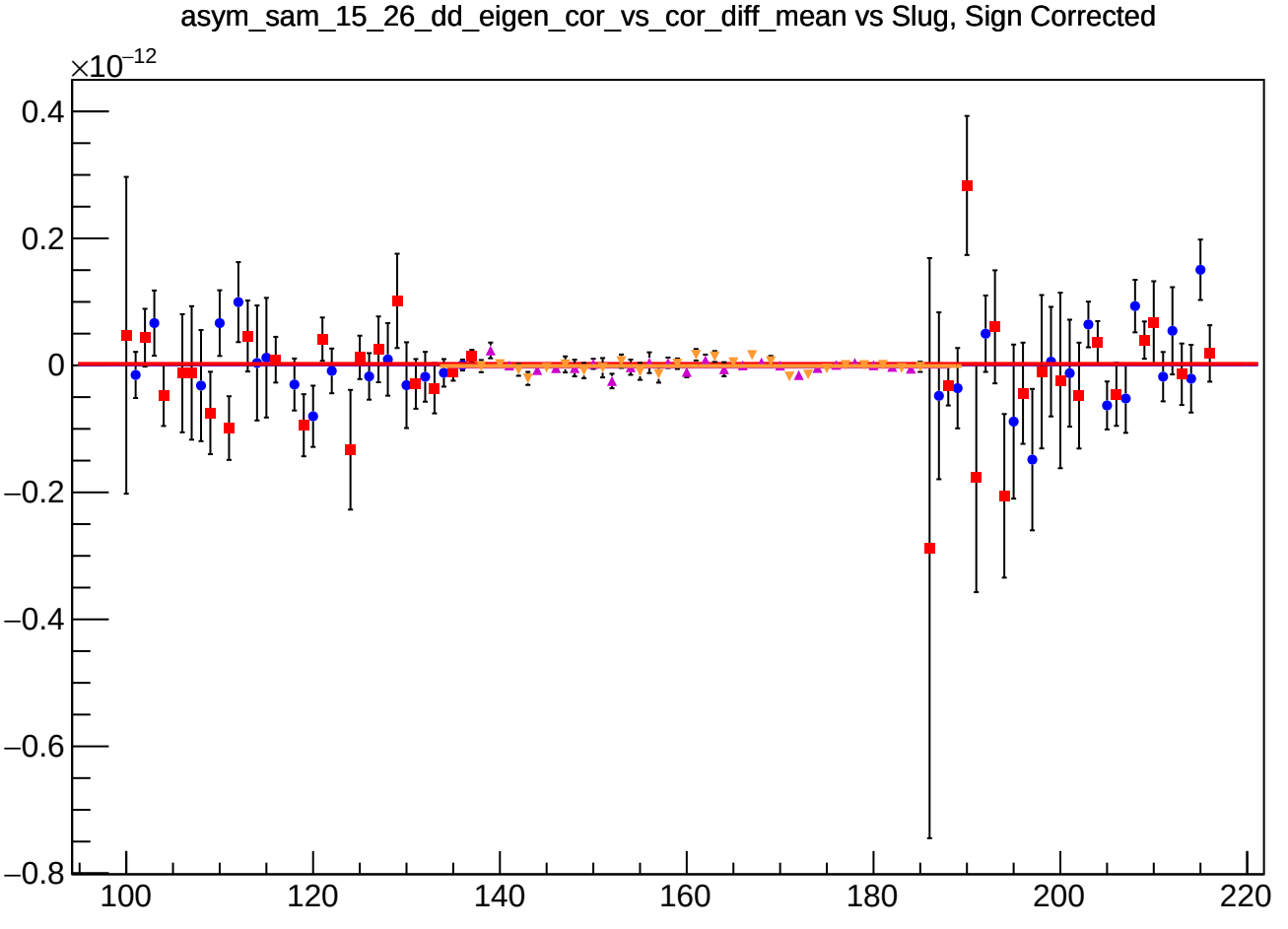
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 35.300+/-0.004 χ^2/NDF: 7324554.6/65

In: 31.082+/-0.004 χ^2/NDF:5041525.7/53

Out: 30.941+/-0.004 χ^2/NDF:6718919.6/59

All: 31.010+/-0.003 χ^2/NDF: 11761156.3/113



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: 39.2/34

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

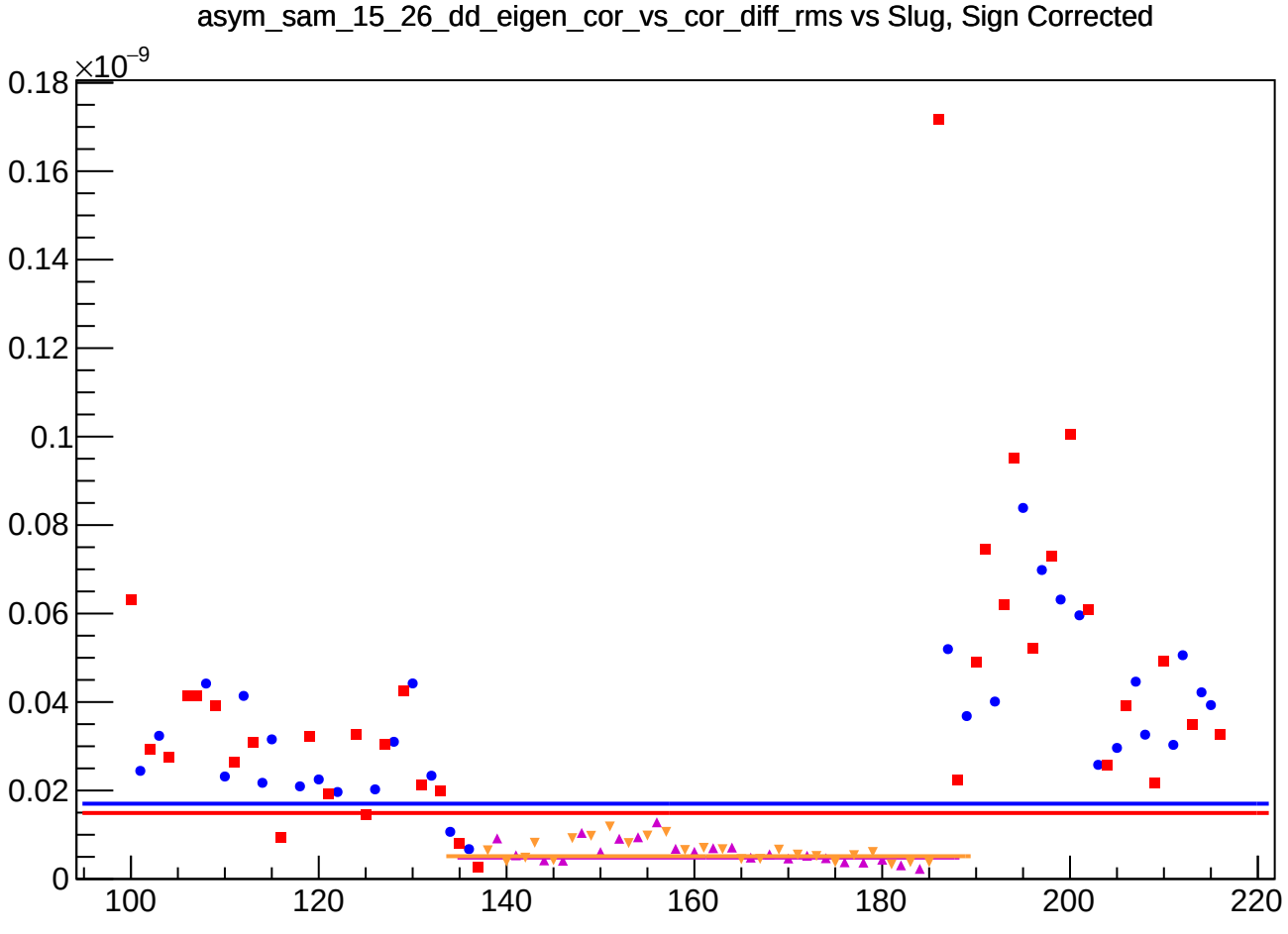
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 76.2/65

In: -0.000+/-0.000 χ^2/NDF:56.8/53

Out: -0.000+/-0.000 χ^2/NDF:73.6/59

All: -0.000+/-0.000 χ^2/NDF: 130.6/113



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: 12006202.0/34

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

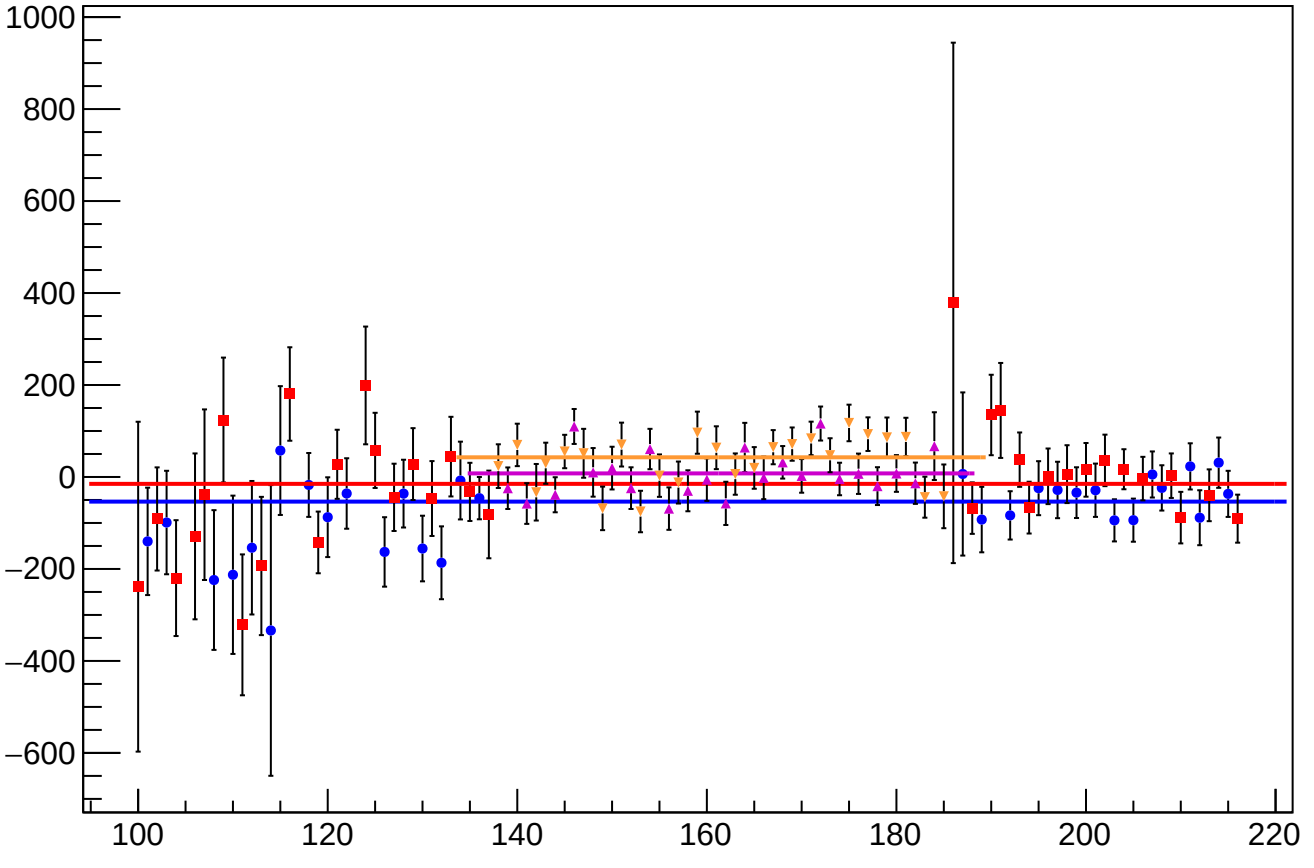
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 22066707.0/65

In: 0.000+/-0.000 χ^2/NDF:20455809.7/53

Out: 0.000+/-0.000 χ^2/NDF:20070283.3/59

All: 0.000+/-0.000 χ^2/NDF: 40550319.2/113



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: -14.969+/-12.179 χ^2/NDF: 37.6/34

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

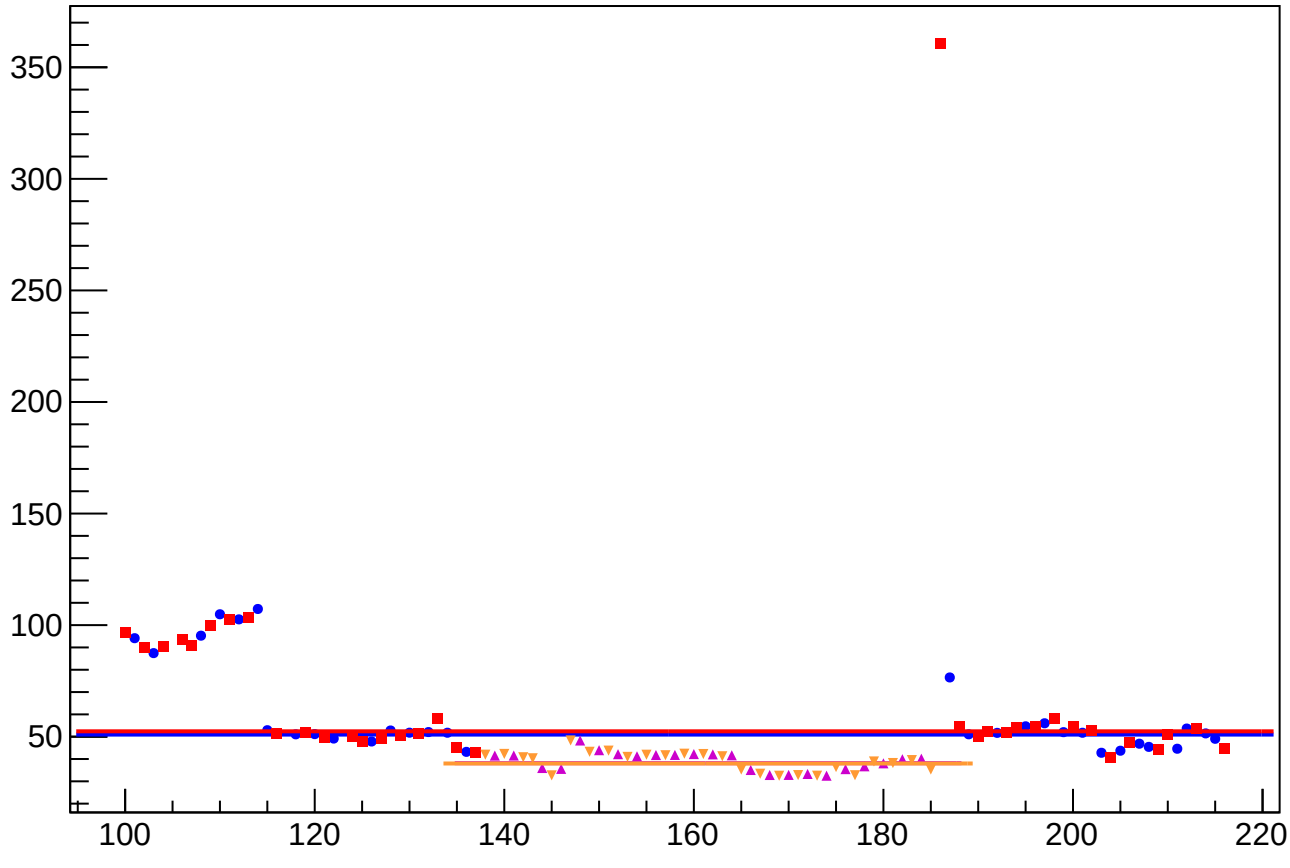
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -34.765+/-8.499 χ^2/NDF: 65.2/65

In: -14.536+/-7.158 χ^2/NDF:70.1/53

Out: 23.263+/-7.078 χ^2/NDF:87.2/59

All: 4.575+/-5.033 χ^2/NDF: 171.4/113



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: 52.412+/-0.009 χ^2/NDF: 2282690.5/34

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

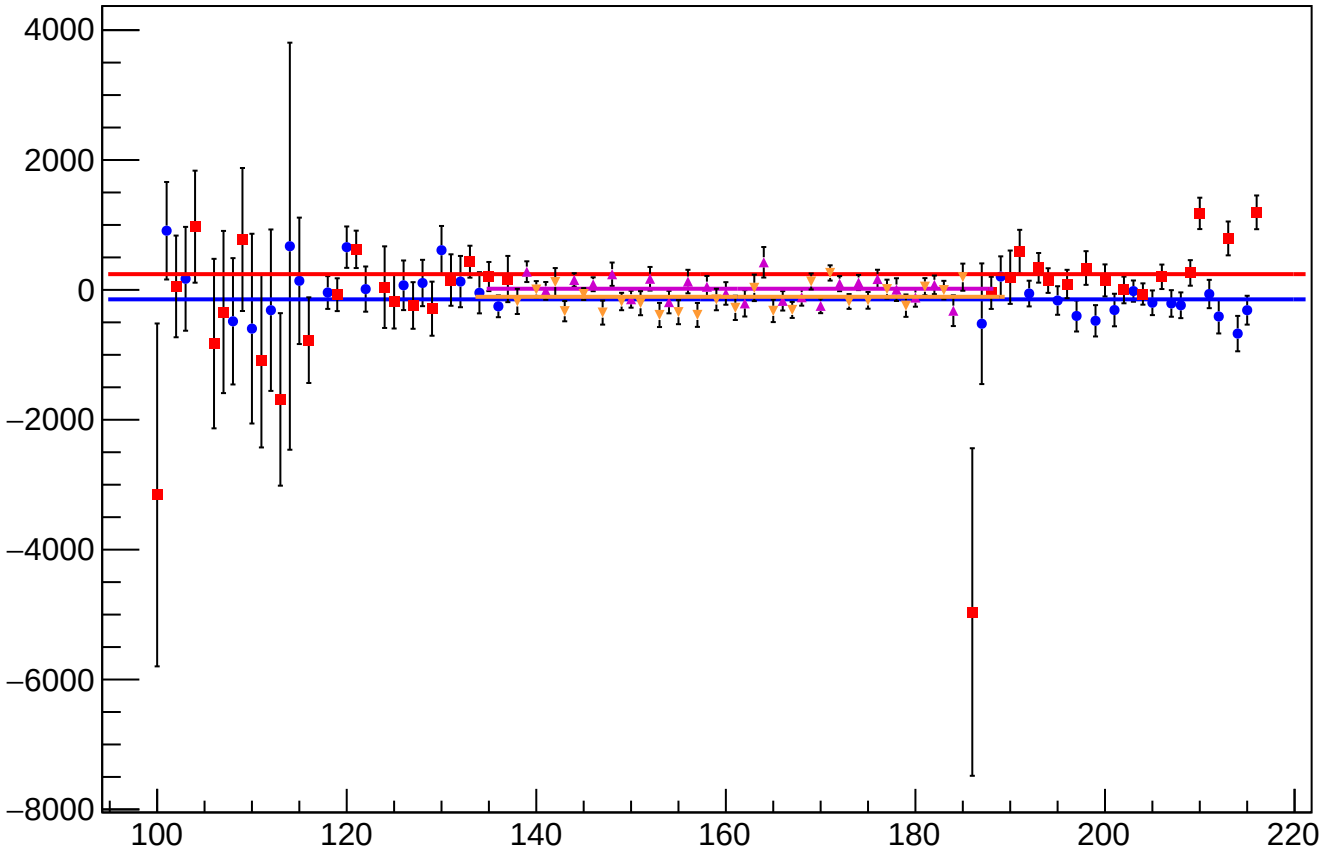
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.659+/-0.006 χ^2/NDF: 3782053.4/65

In: 42.794+/-0.005 χ^2/NDF:3395955.6/53

Out: 42.861+/-0.005 χ^2/NDF:4653564.8/59

All: 42.828+/-0.004 χ^2/NDF: 8049608.7/113



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: 242.367+/-49.946 χ^2/NDF: 63.4/34

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

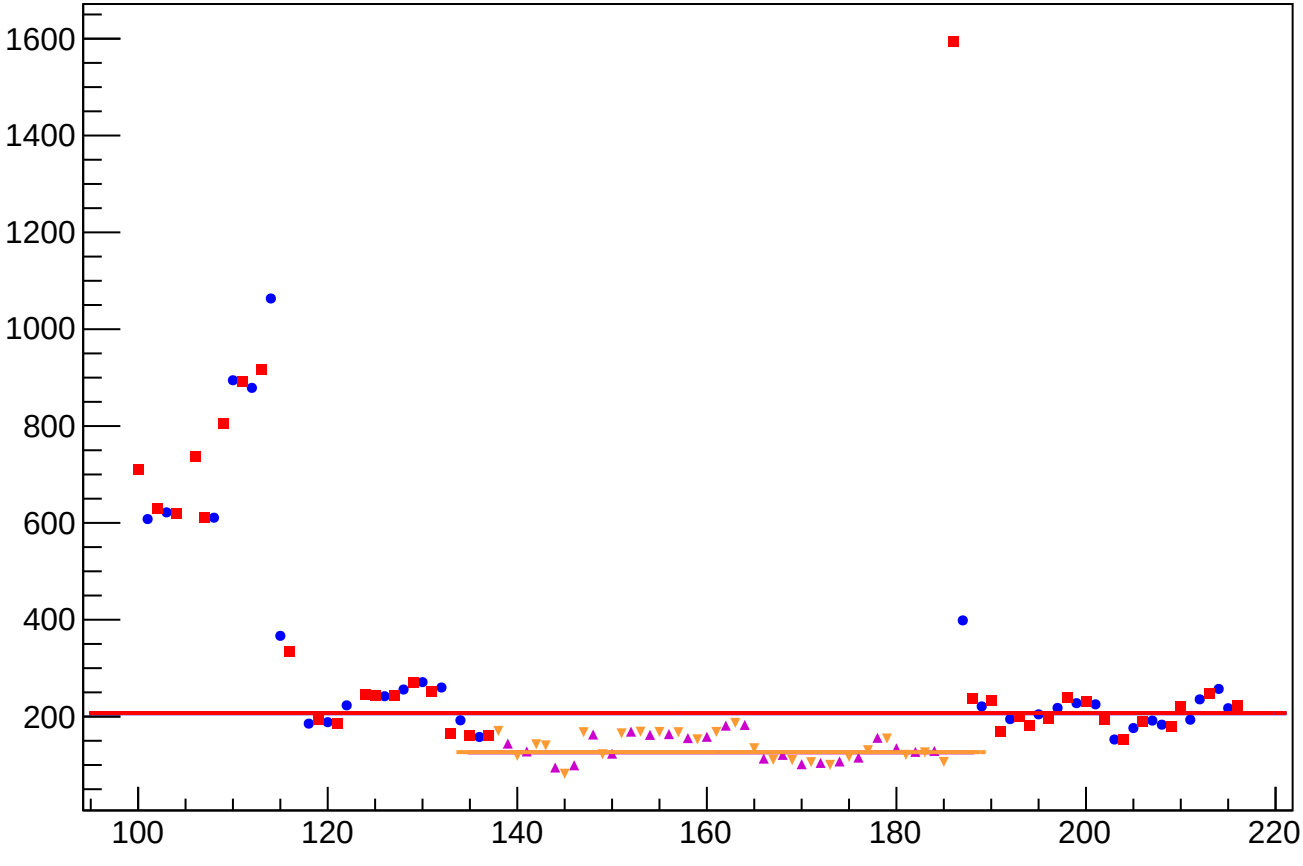
Right: 46.993+/-35.198 χ^2/NDF: 120.5/65

In: -26.598+/-25.787 χ^2/NDF:62.9/53

Out: -15.992+/-25.441 χ^2/NDF:137.1/59

All: -21.223+/-18.111 χ^2/NDF: 200.1/113

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: 207.249+/-0.035 χ^2/NDF: 4835244.4/34

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

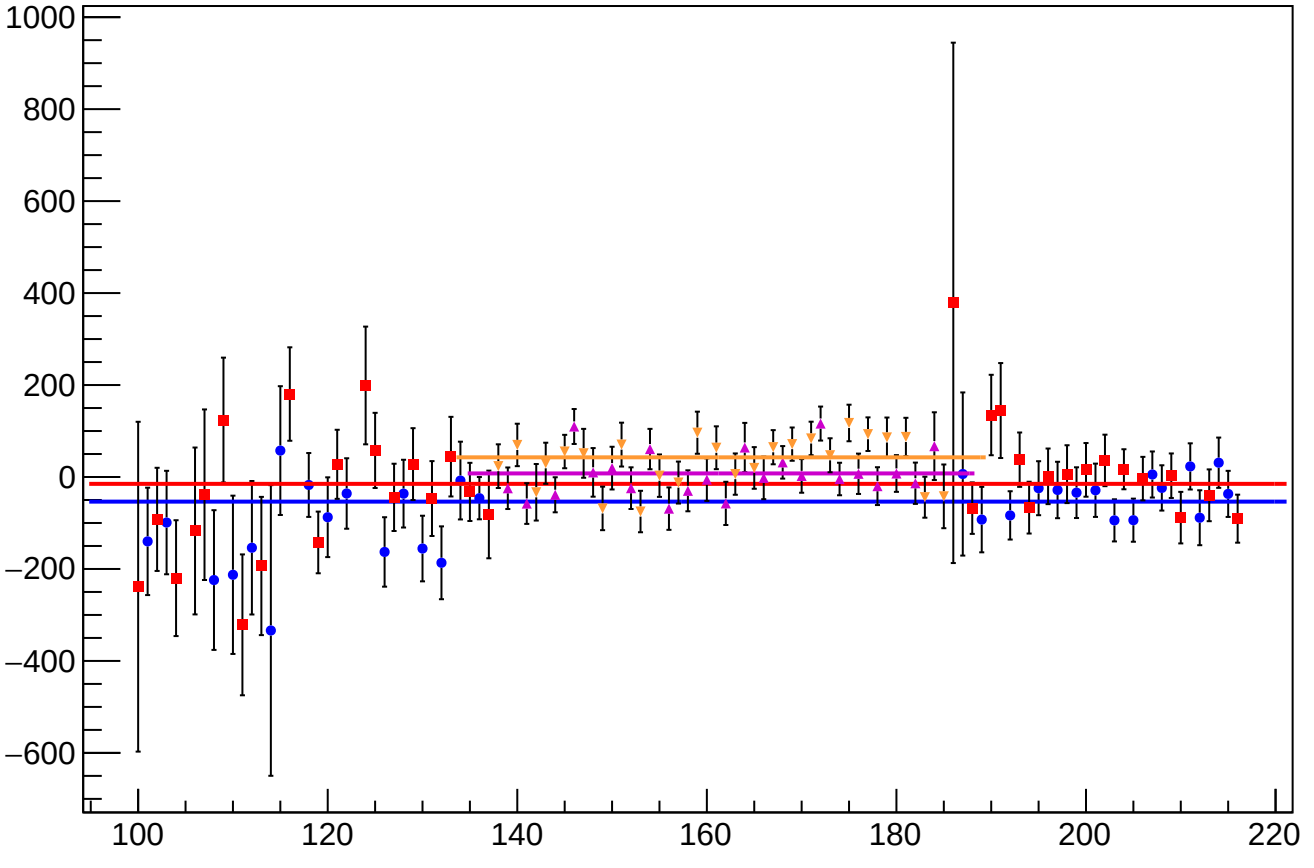
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 207.059+/-0.025 χ^2/NDF: 8413195.4/65

In: 147.860+/-0.018 χ^2/NDF:8865983.2/53

Out: 147.495+/-0.018 χ^2/NDF:10458839.3/59

All: 147.675+/-0.013 χ^2/NDF: 19325025.1/11



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: -14.919+/-12.179 χ^2/NDF: 37.5/34

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

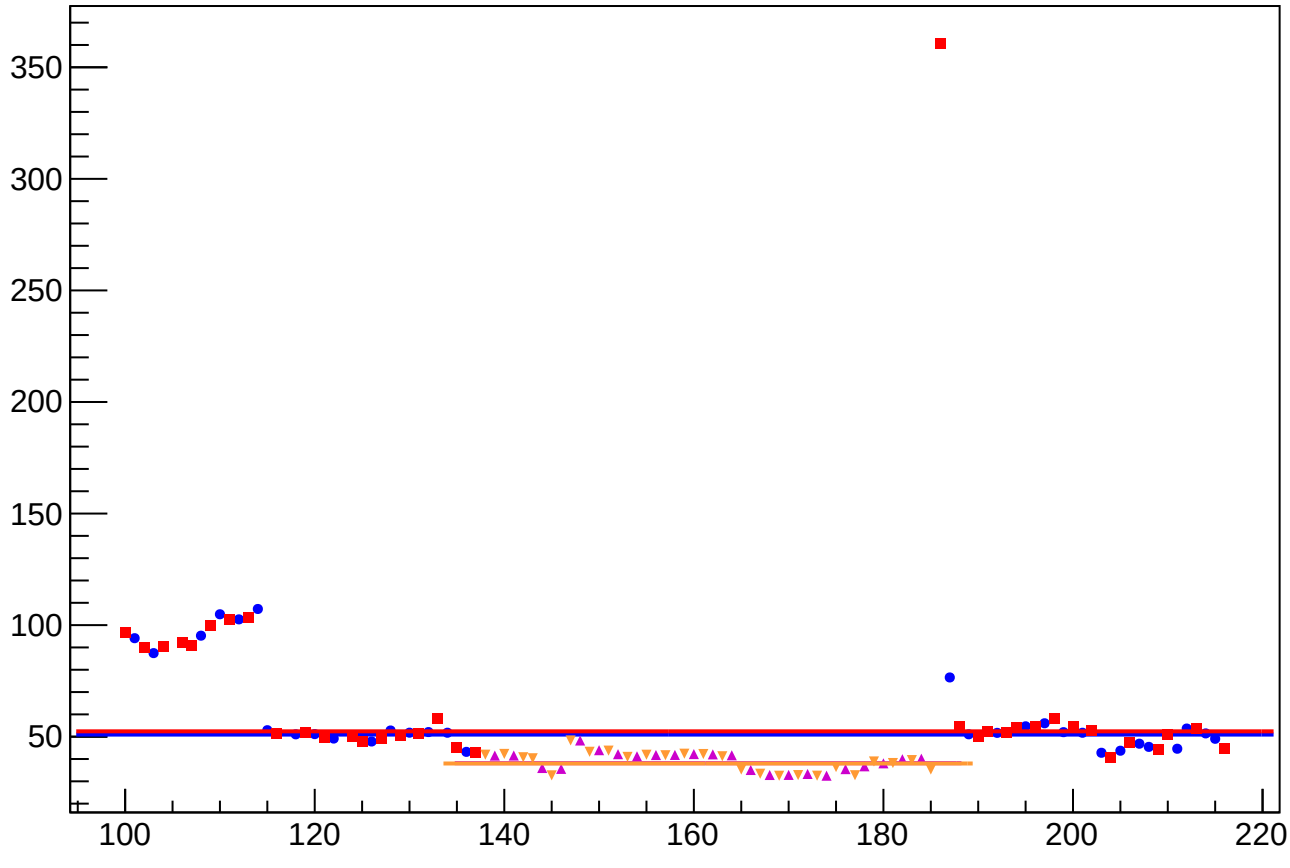
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -34.741+/-8.499 χ^2/NDF: 65.1/65

In: -14.535+/-7.158 χ^2/NDF:70.1/53

Out: 23.282+/-7.078 χ^2/NDF:87.1/59

All: 4.585+/-5.033 χ^2/NDF: 171.3/113



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: 52.403+/-0.009 χ^2/NDF: 2274055.7/34

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

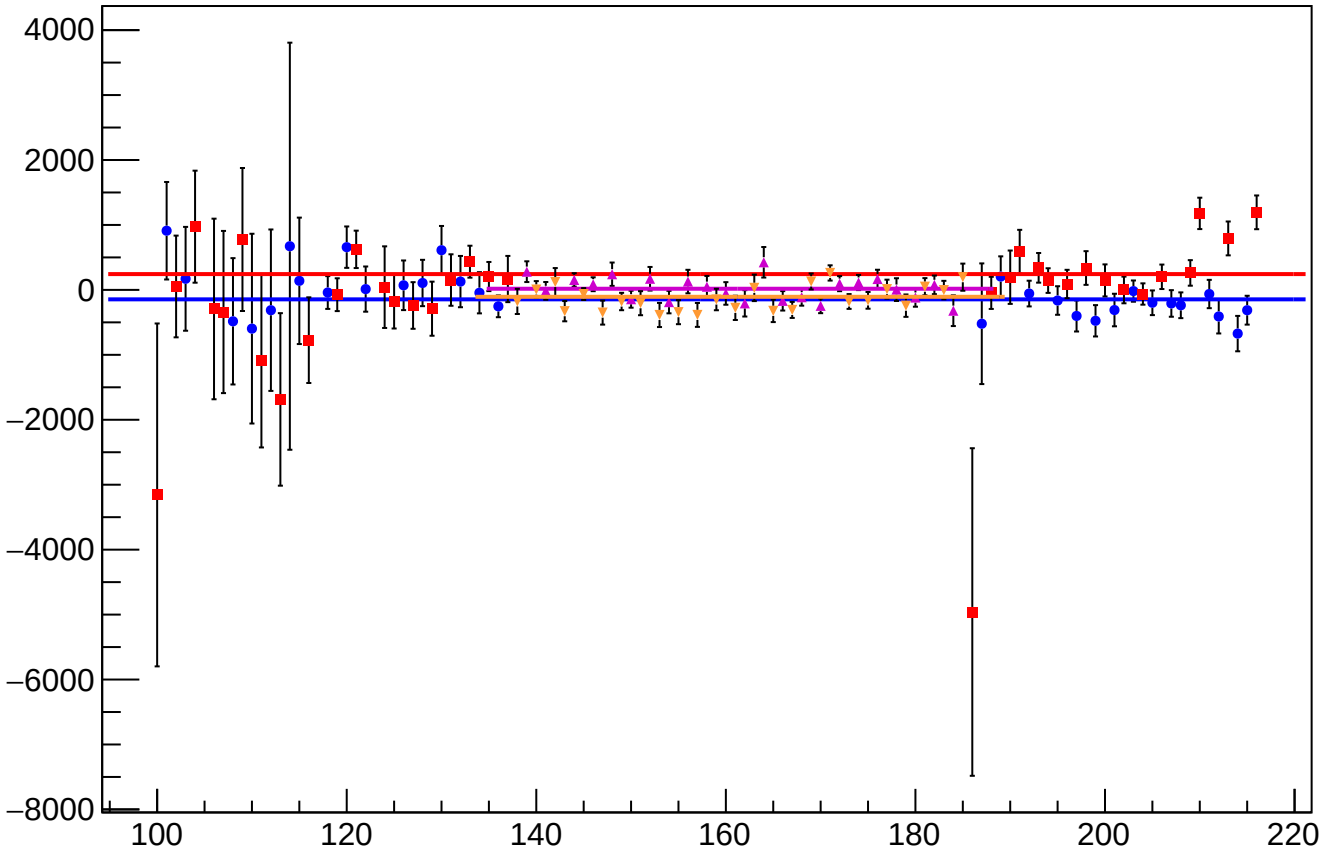
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 51.655+/-0.006 χ^2/NDF: 3773234.5/65

In: 42.794+/-0.005 χ^2/NDF:3395955.8/53

Out: 42.858+/-0.005 χ^2/NDF:4642516.6/59

All: 42.827+/-0.004 χ^2/NDF: 8038552.3/113



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: 243.233+/-49.951 χ^2/NDF: 62.8/34

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

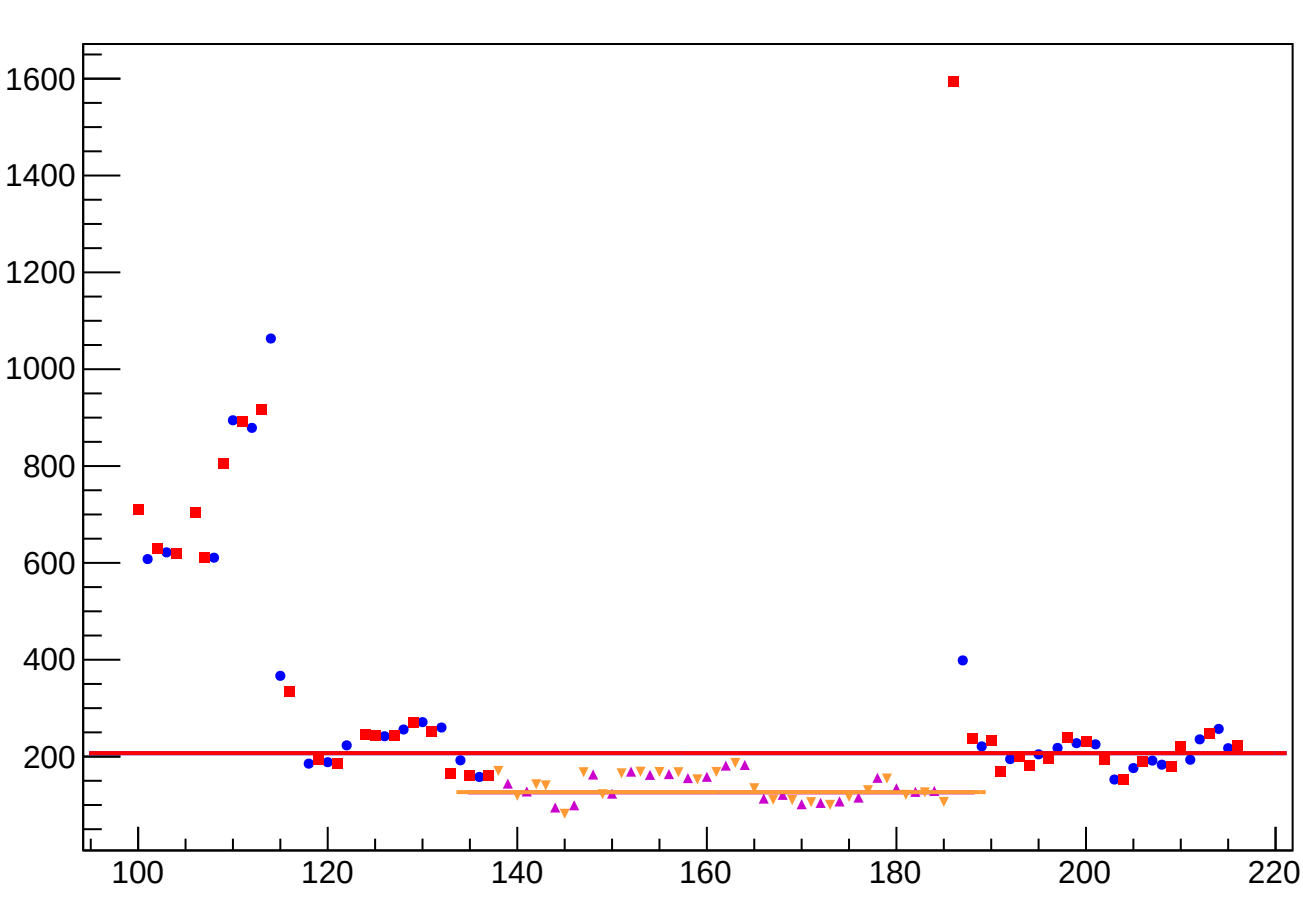
Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

Right: 47.406+/-35.200 χ^2/NDF: 120.1/65

In: -26.597+/-25.787 χ^2/NDF:62.9/53

Out: -15.778+/-25.441 χ^2/NDF:136.8/59

All: -21.115+/-18.111 χ^2/NDF: 199.8/113



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: 207.115+/-0.035 χ^2/NDF: 4762320.6/34

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

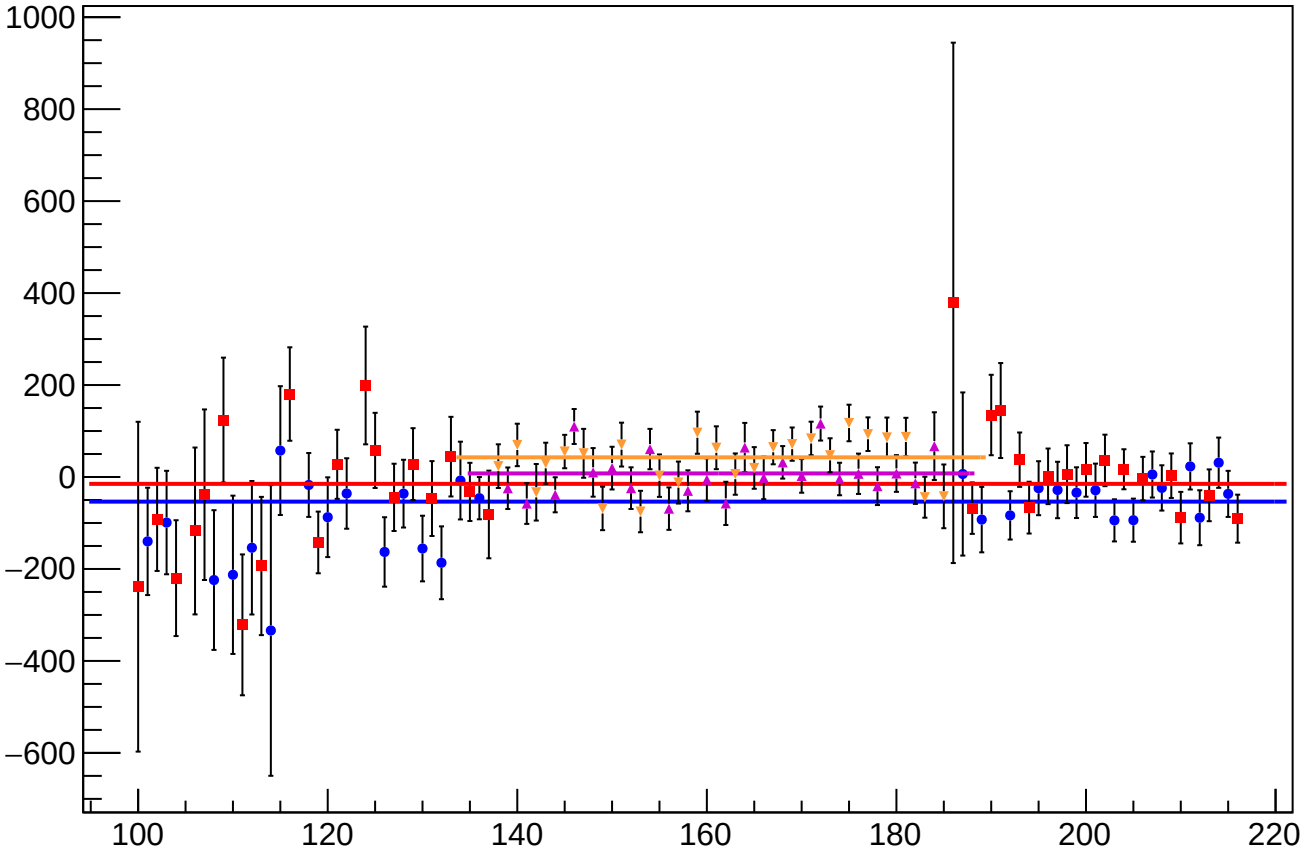
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.993+/-0.025 χ^2/NDF: 8340246.8/65

In: 147.860+/-0.018 χ^2/NDF:8866006.3/53

Out: 147.458+/-0.018 χ^2/NDF:10372578.9/59

All: 147.656+/-0.013 χ^2/NDF: 19238831.5/11



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: -14.919+/-12.179 χ^2/NDF: 37.5/34

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

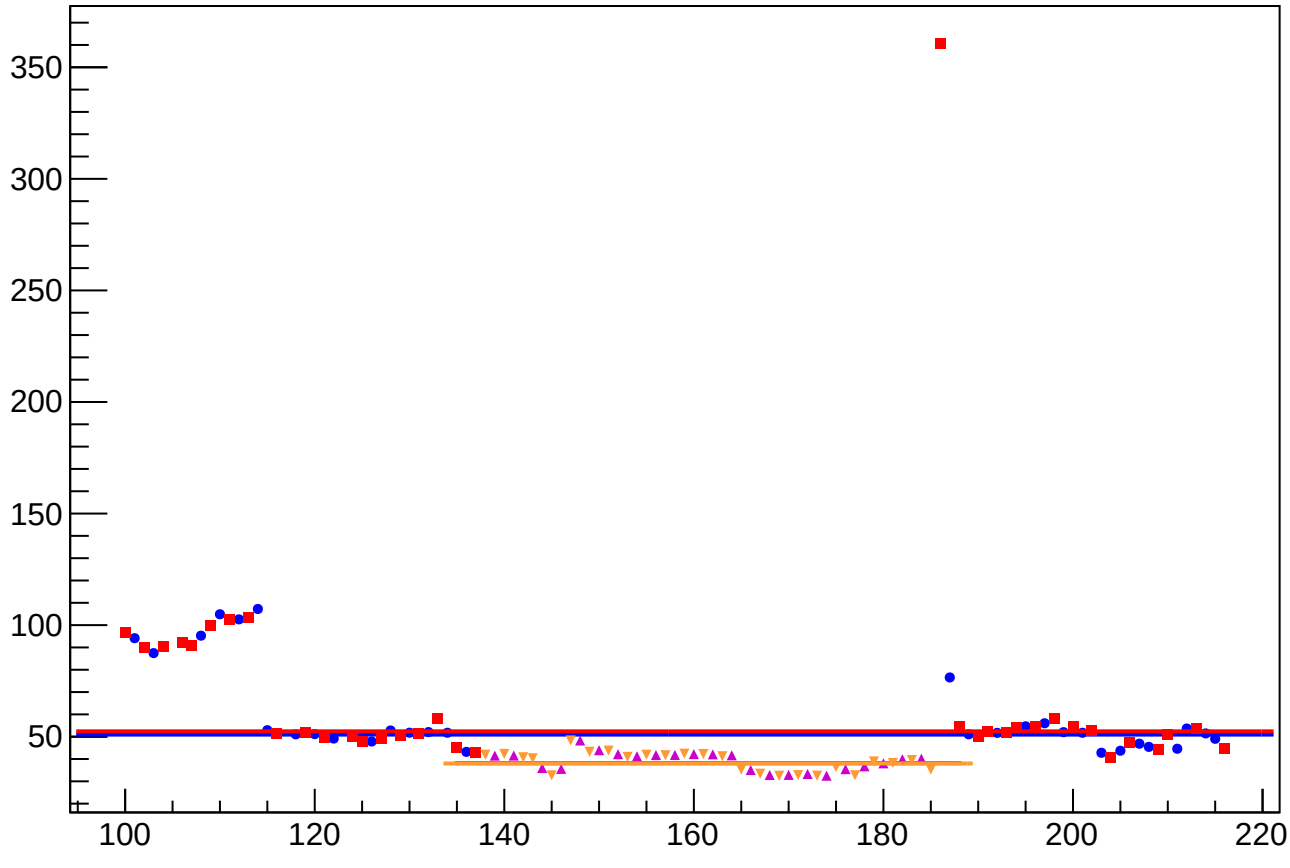
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -34.741+/-8.499 χ^2/NDF: 65.1/65

In: -14.535+/-7.158 χ^2/NDF:70.1/53

Out: 23.282+/-7.078 χ^2/NDF:87.1/59

All: 4.585+/-5.033 χ^2/NDF: 171.3/113



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: 52.403+/-0.009 χ^2/NDF: 2274055.7/34

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

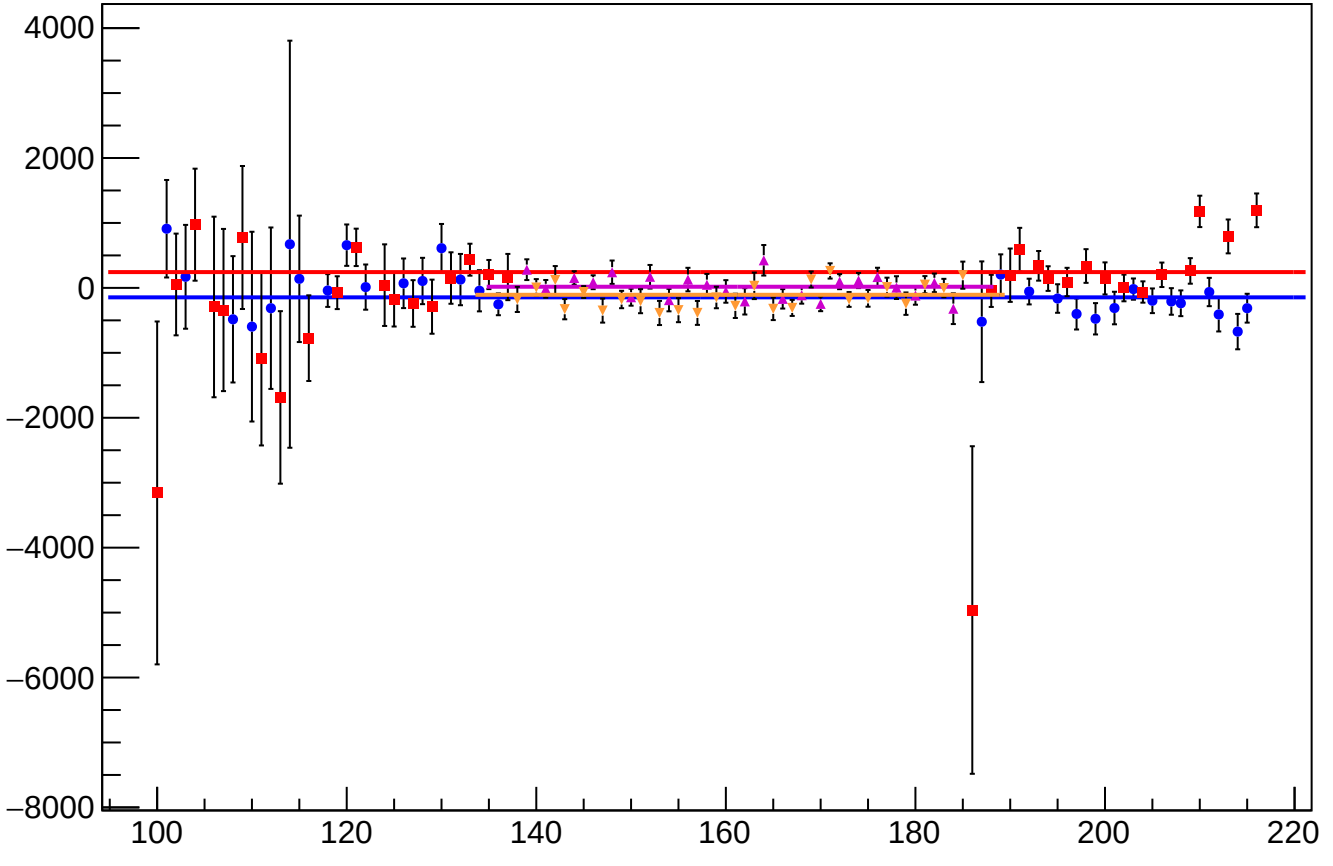
Right: 51.655+/-0.006 χ^2/NDF: 3773234.5/65

In: 42.794+/-0.005 χ^2/NDF:3395955.8/53

Out: 42.858+/-0.005 χ^2/NDF:4642516.6/59

All: 42.827+/-0.004 χ^2/NDF: 8038552.3/113

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 243.233+/-49.951 χ^2/NDF: 62.8/34

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

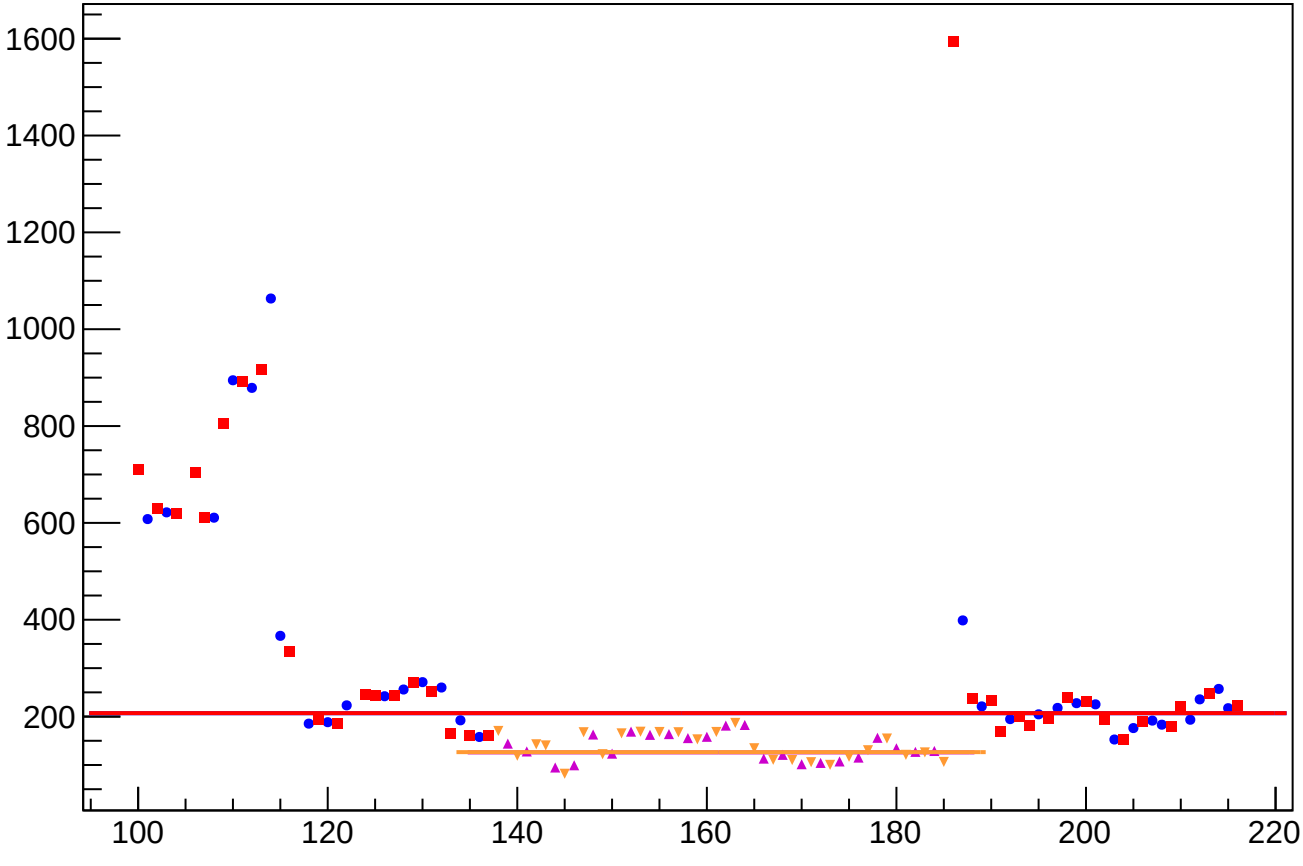
Right: 47.406+/-35.200 χ^2/NDF: 120.1/65

In: -26.597+/-25.787 χ^2/NDF:62.9/53

Out: -15.778+/-25.441 χ^2/NDF:136.8/59

All: -21.115+/-18.111 χ^2/NDF: 199.8/113

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: 207.115+/-0.035 χ^2/NDF: 4762320.6/34

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

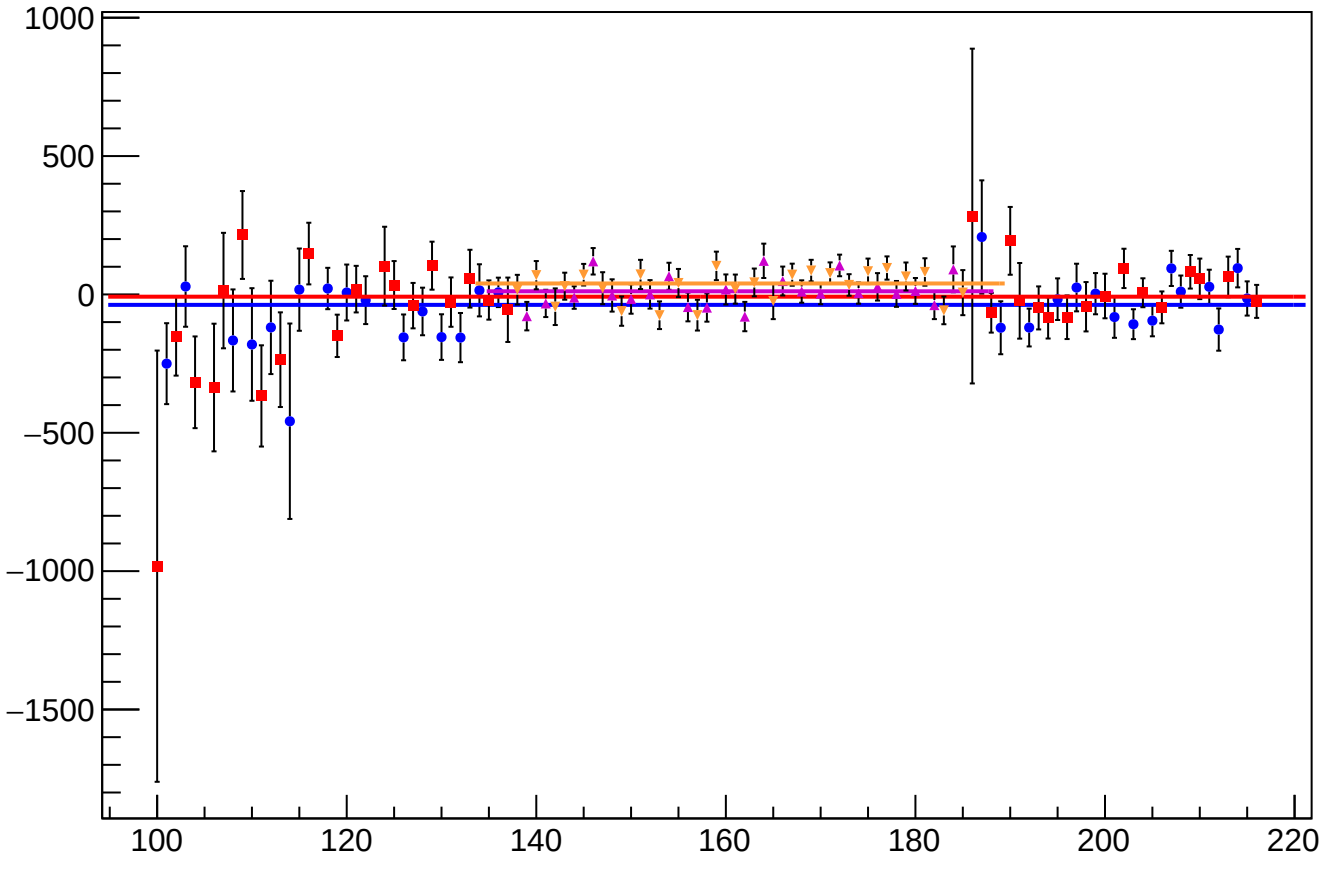
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 206.993+/-0.025 χ^2/NDF: 8340246.8/65

In: 147.860+/-0.018 χ^2/NDF:8866006.3/53

Out: 147.458+/-0.018 χ^2/NDF:10372578.9/59

All: 147.656+/-0.013 χ^2/NDF: 19238831.5/11



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: -8.183+/-14.950 χ^2/NDF: 37.1/34

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

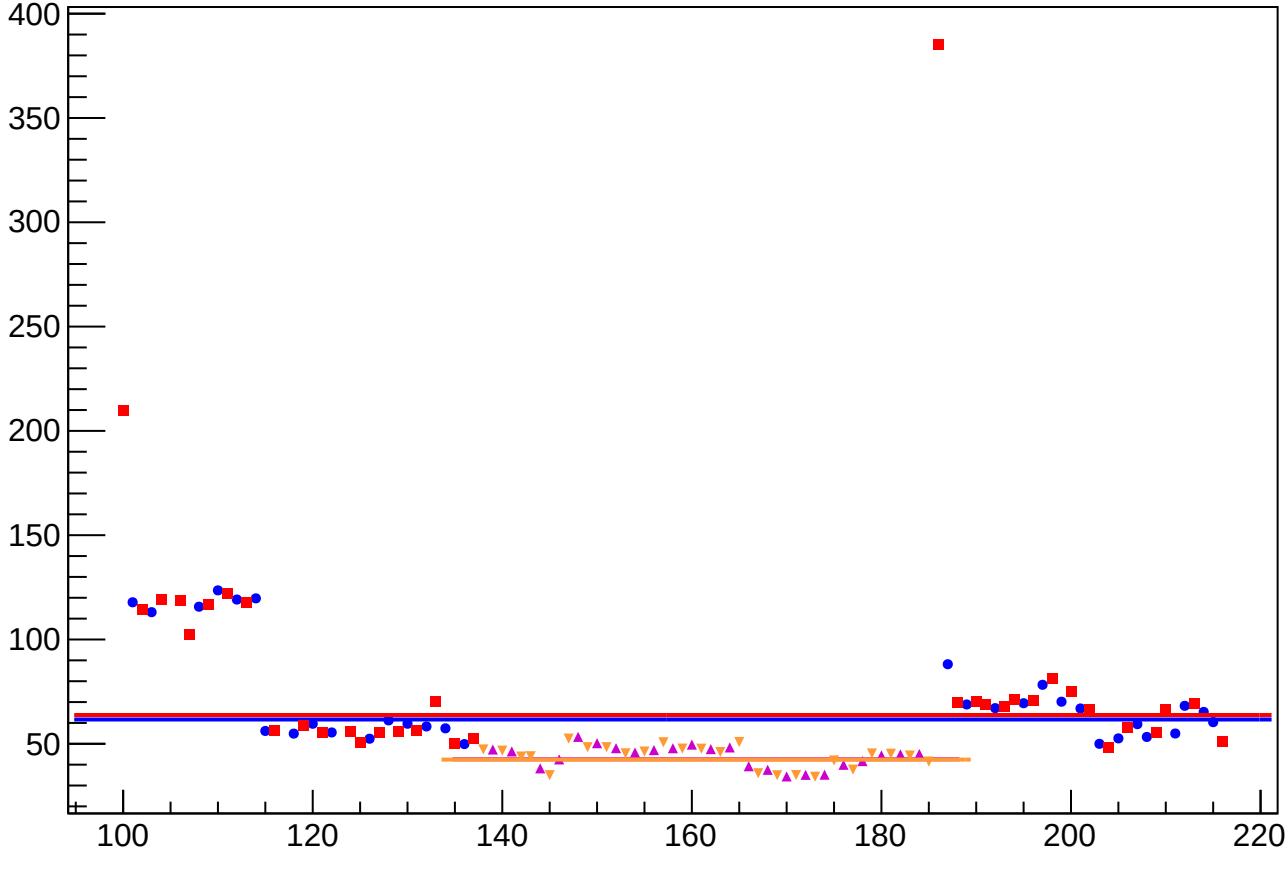
Right: -23.470+/-10.391 χ^2/NDF: 70.7/65

In: -4.743+/-8.266 χ^2/NDF:67.3/53

Out: 25.326+/-8.164 χ^2/NDF:73.8/59

All: 10.479+/-5.809 χ^2/NDF: 147.8/113

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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: 63.802+/-0.011 χ^2/NDF: 2679499.7/34

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

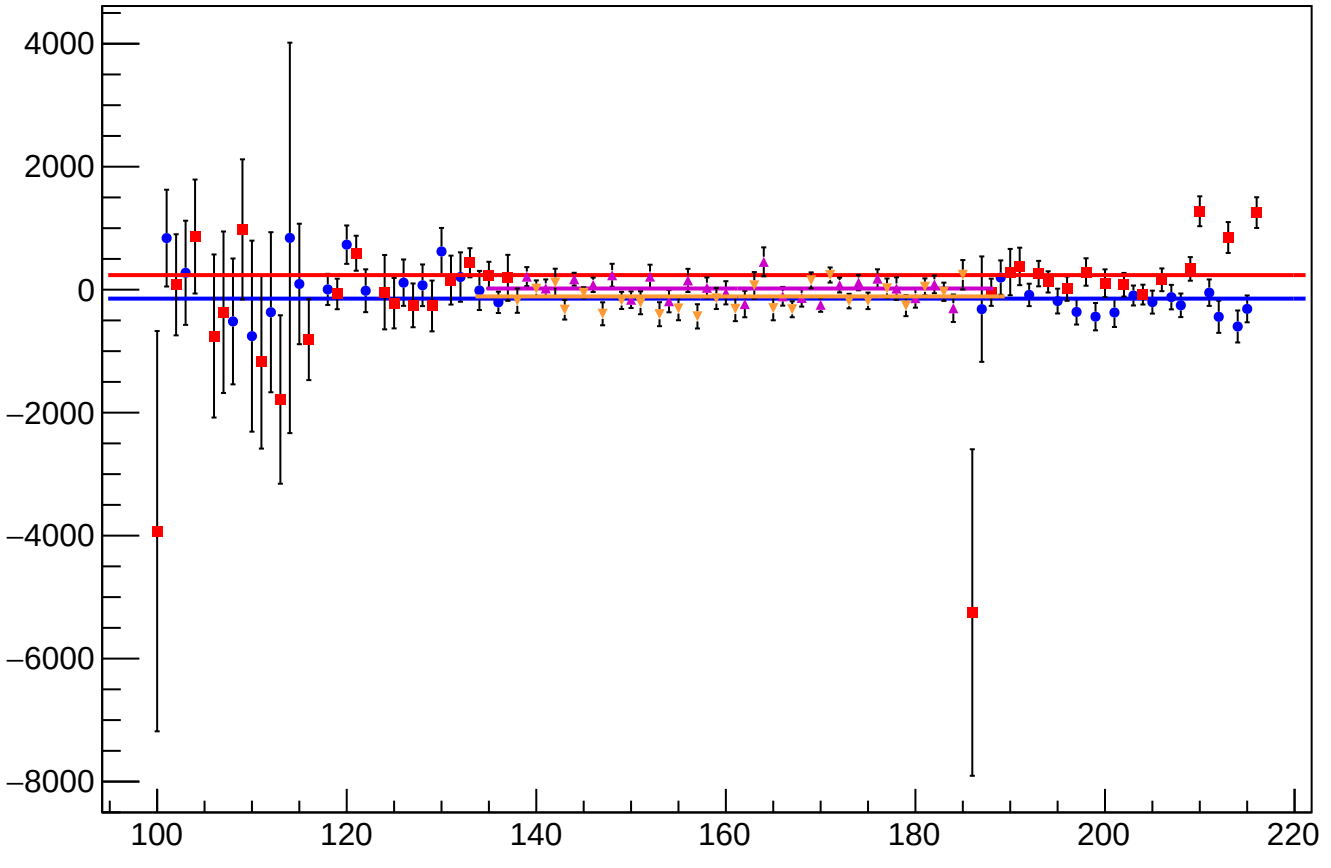
Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

Right: 62.687+/-0.007 χ^2/NDF: 4474861.8/65

In: 48.815+/-0.006 χ^2/NDF:4705545.1/53

Out: 48.800+/-0.006 χ^2/NDF:6247706.5/59

All: 48.808+/-0.004 χ^2/NDF: 10953254.9/113



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: 236.978+/-47.516 χ^2/NDF: 71.6/34

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

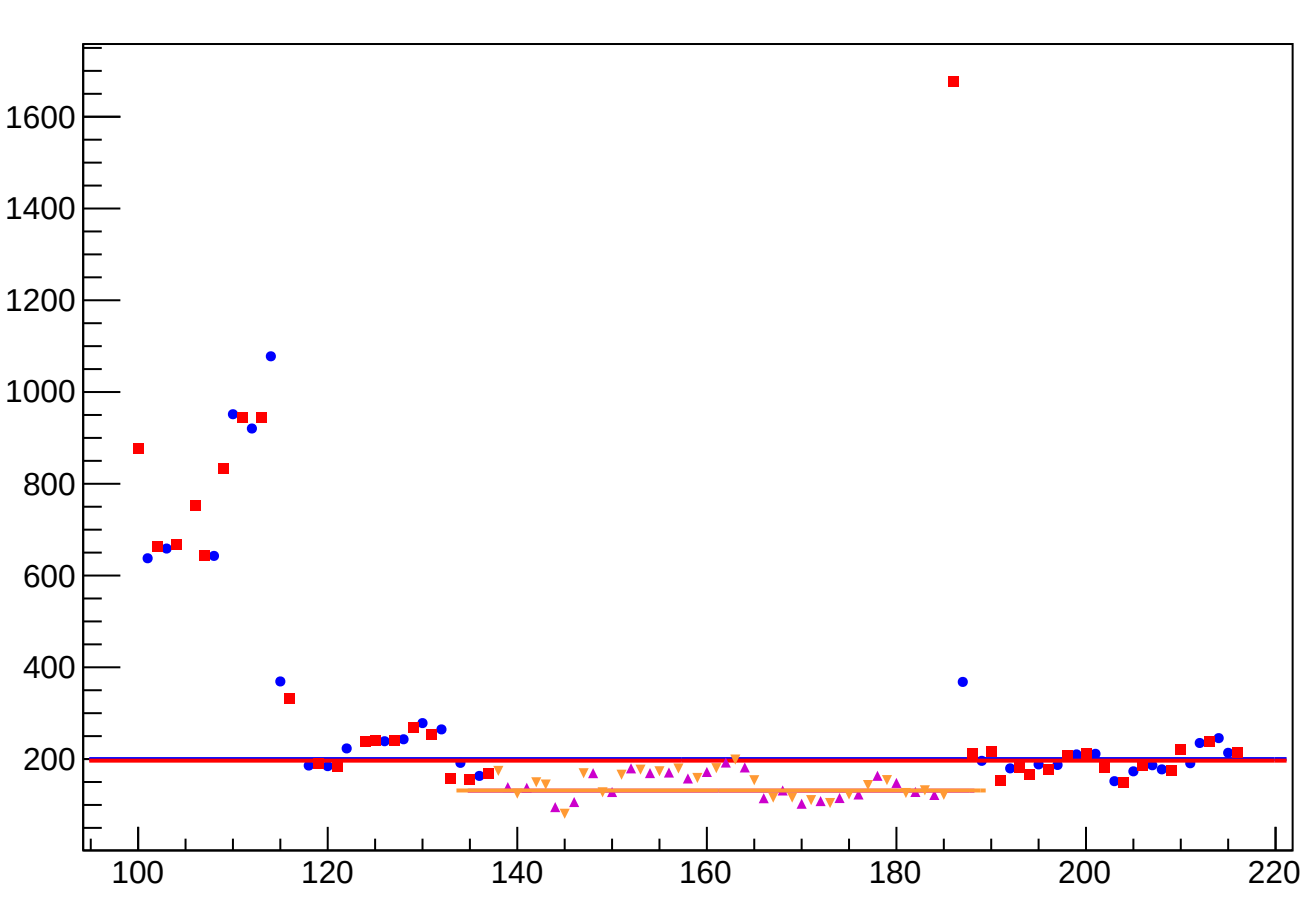
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 47.662+/-33.771 χ^2/NDF: 131.4/65

In: -30.594+/-26.323 χ^2/NDF:63.1/53

Out: -7.447+/-25.821 χ^2/NDF:145.4/59

All: -18.798+/-18.433 χ^2/NDF: 208.9/113



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: 196.567+/-0.034 χ^2/NDF: 5080490.1/34

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

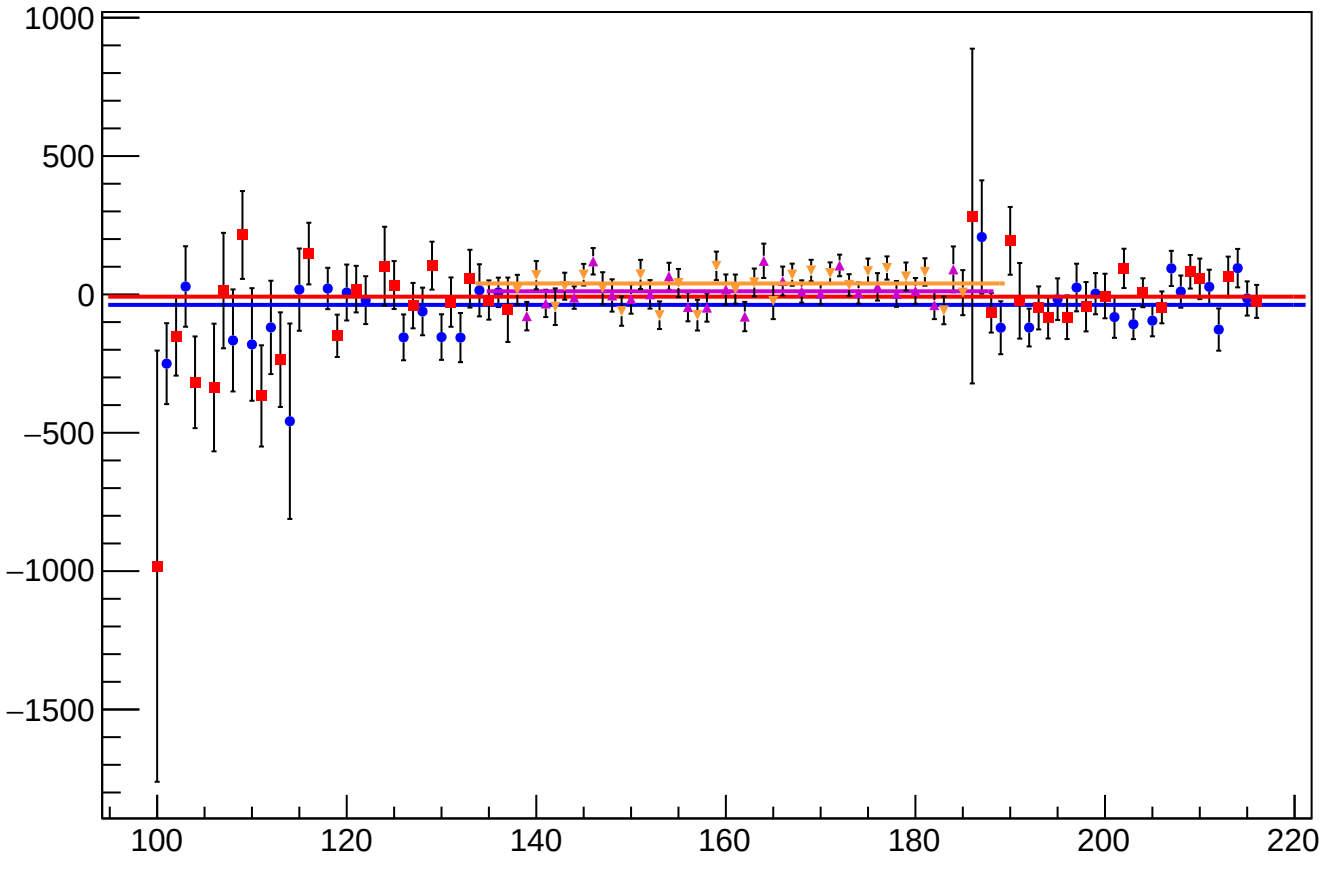
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 198.245+/-0.024 χ^2/NDF: 8747366.3/65

In: 151.785+/-0.019 χ^2/NDF:8009459.1/53

Out: 150.725+/-0.018 χ^2/NDF:9625069.5/59

All: 151.244+/-0.013 χ^2/NDF: 17636181.5/11



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: -8.184+/-14.950 χ^2/NDF: 37.1/34

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

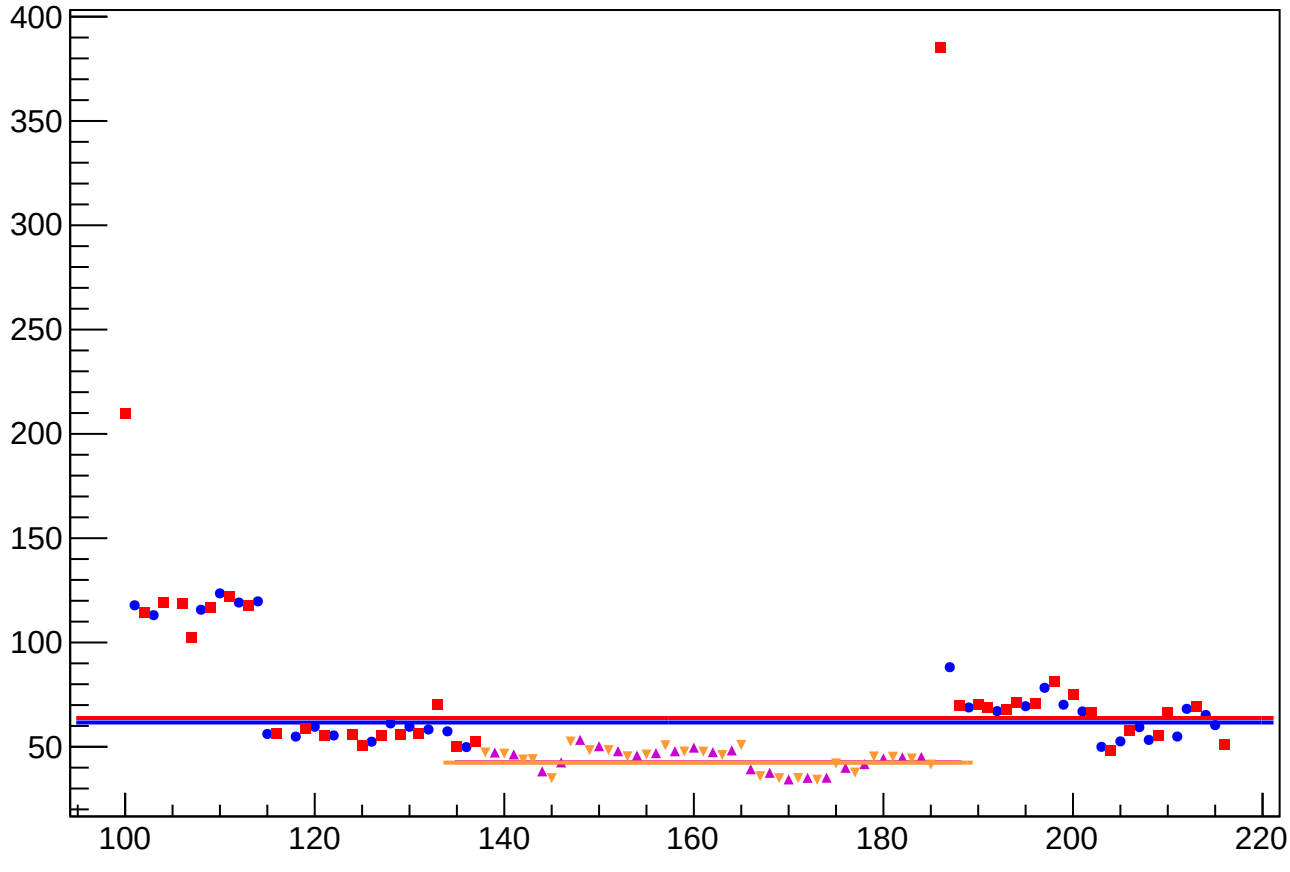
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -23.470+/-10.391 χ^2/NDF: 70.7/65

In: -4.743+/-8.266 χ^2/NDF:67.3/53

Out: 25.326+/-8.164 χ^2/NDF:73.8/59

All: 10.479+/-5.809 χ^2/NDF: 147.8/113



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: 63.802+/-0.011 χ^2/NDF: 2679462.4/34

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

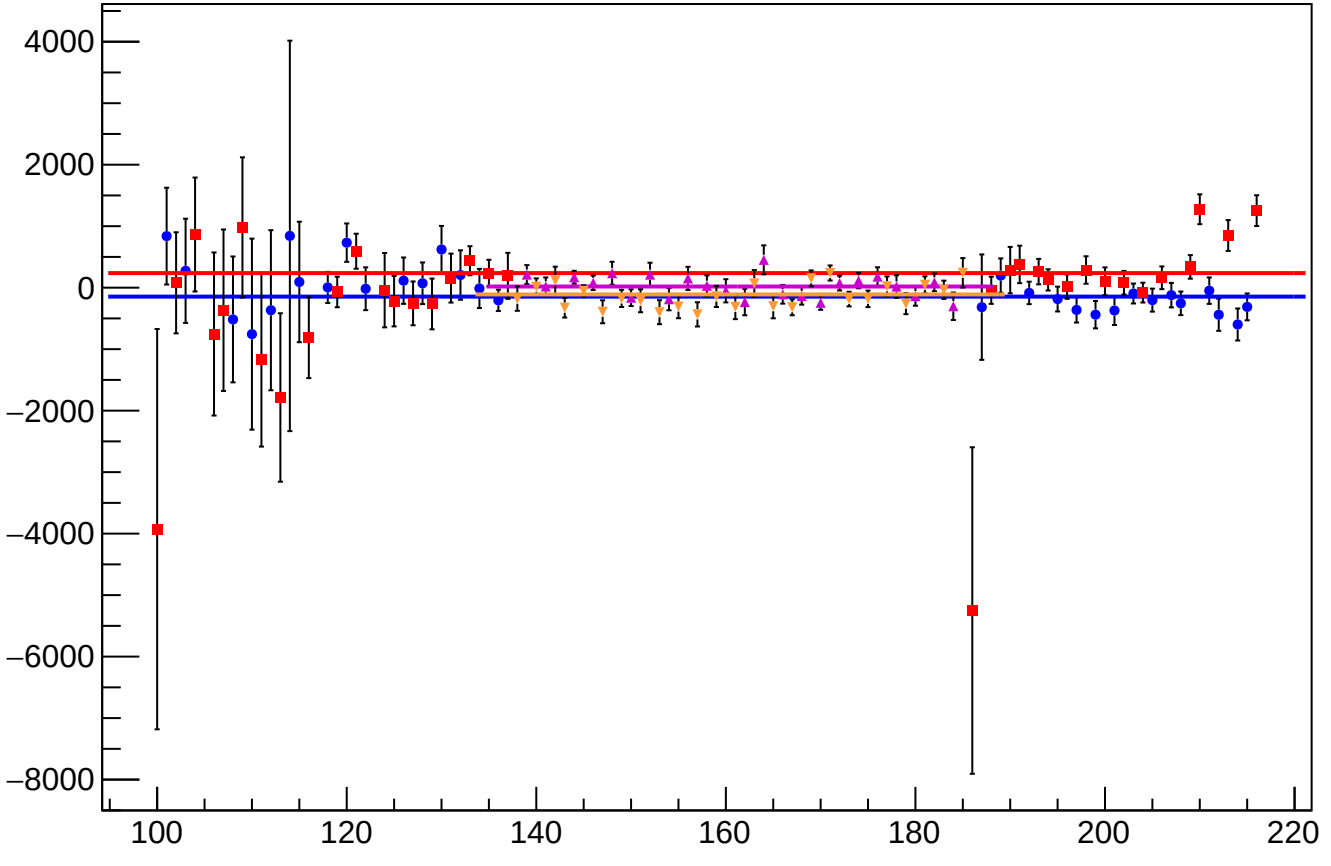
Right: 62.687+/-0.007 χ^2/NDF: 4474820.0/65

In: 48.815+/-0.006 χ^2/NDF:4705530.0/53

Out: 48.800+/-0.006 χ^2/NDF:6247757.5/59

All: 48.808+/-0.004 χ^2/NDF: 10953290.9/113

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 236.977+/-47.516 χ^2/NDF: 71.6/34

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

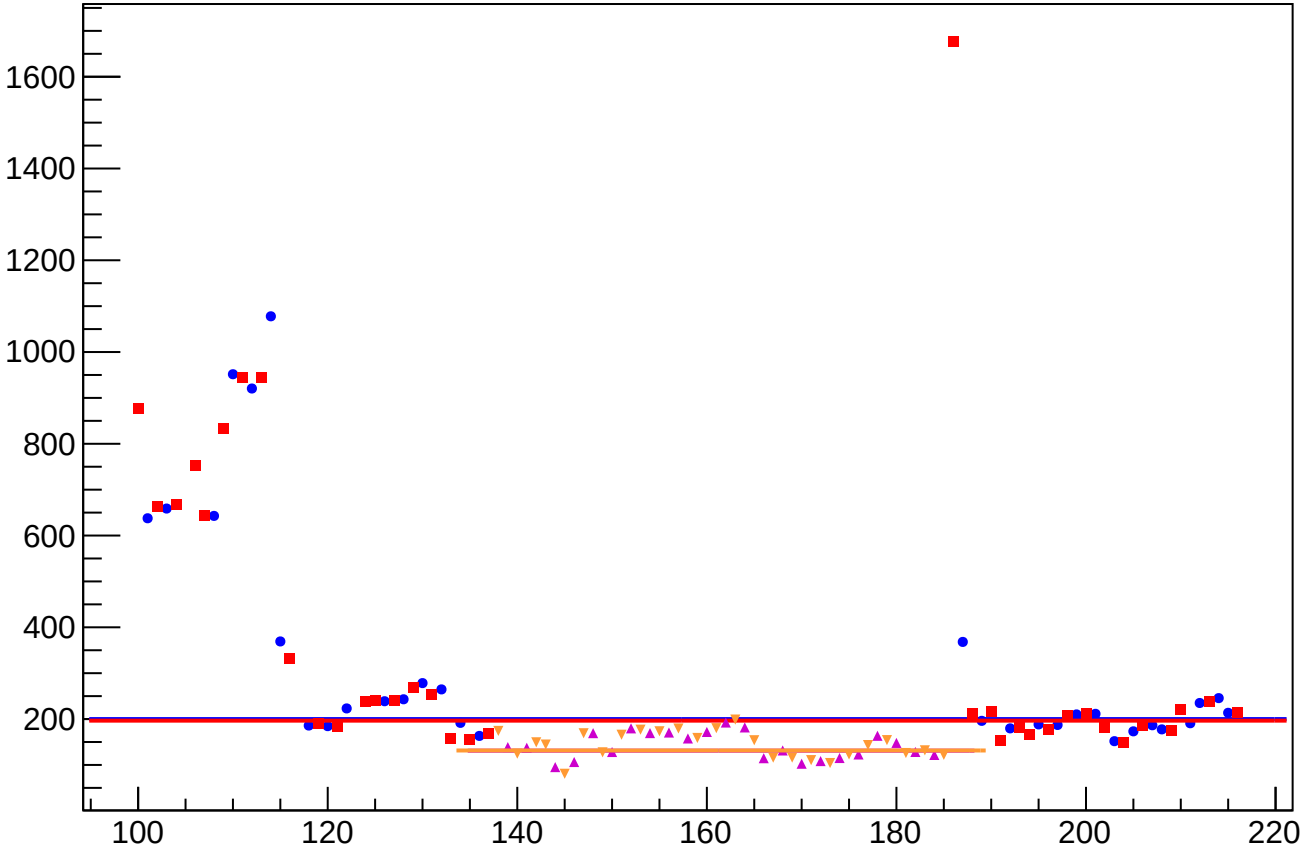
Right: 47.661+/-33.771 χ^2/NDF: 131.4/65

In: -30.594+/-26.323 χ^2/NDF:63.1/53

Out: -7.447+/-25.821 χ^2/NDF:145.4/59

All: -18.798+/-18.433 χ^2/NDF: 208.9/113

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: 196.566+/-0.034 χ^2/NDF: 5080497.4/34

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

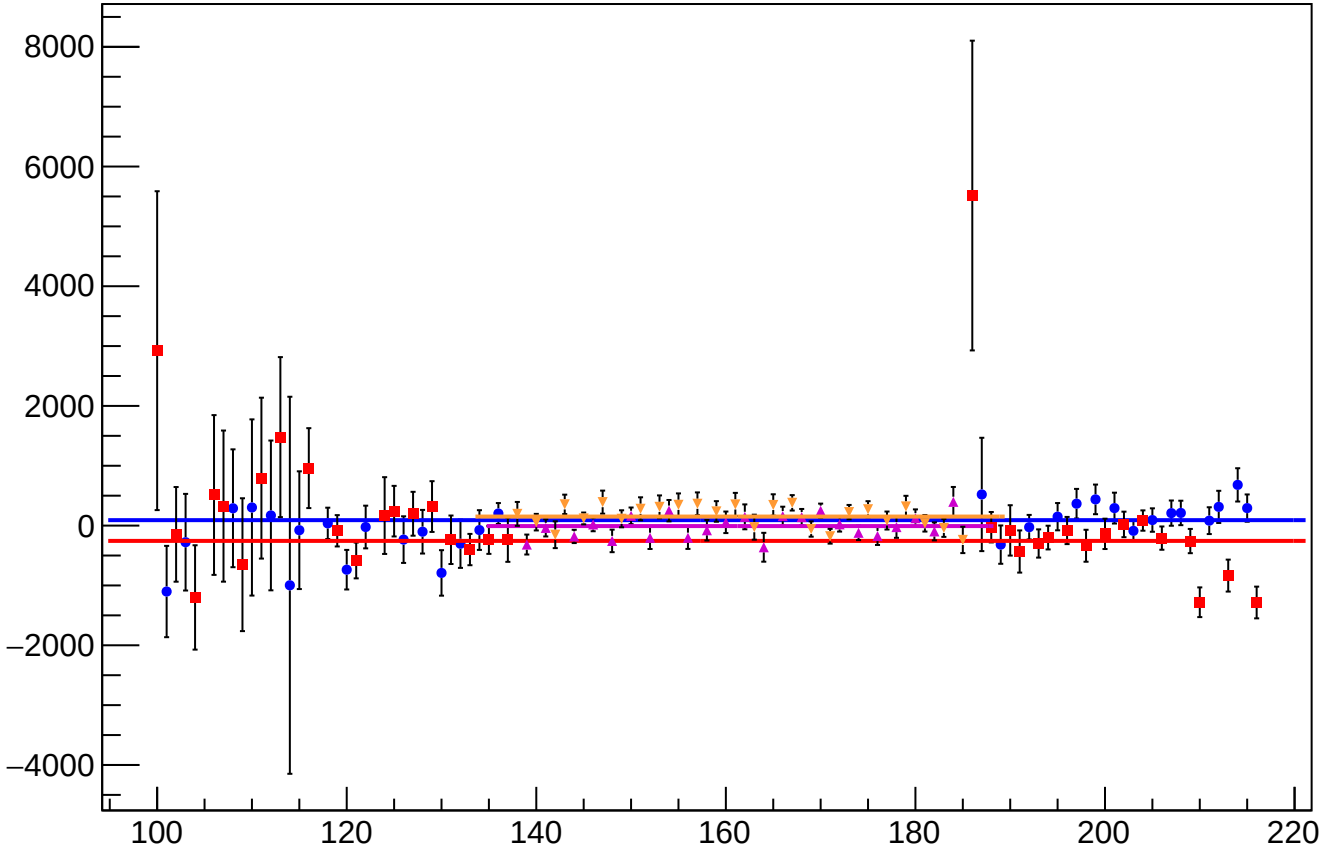
Right: 198.244+/-0.024 χ^2/NDF: 8747374.1/65

In: 151.785+/-0.019 χ^2/NDF:8009406.3/53

Out: 150.725+/-0.018 χ^2/NDF:9625007.5/59

All: 151.244+/-0.013 χ^2/NDF: 17636066.7/1

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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: -255.597+/-51.615 χ^2/NDF: 65.8/34

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

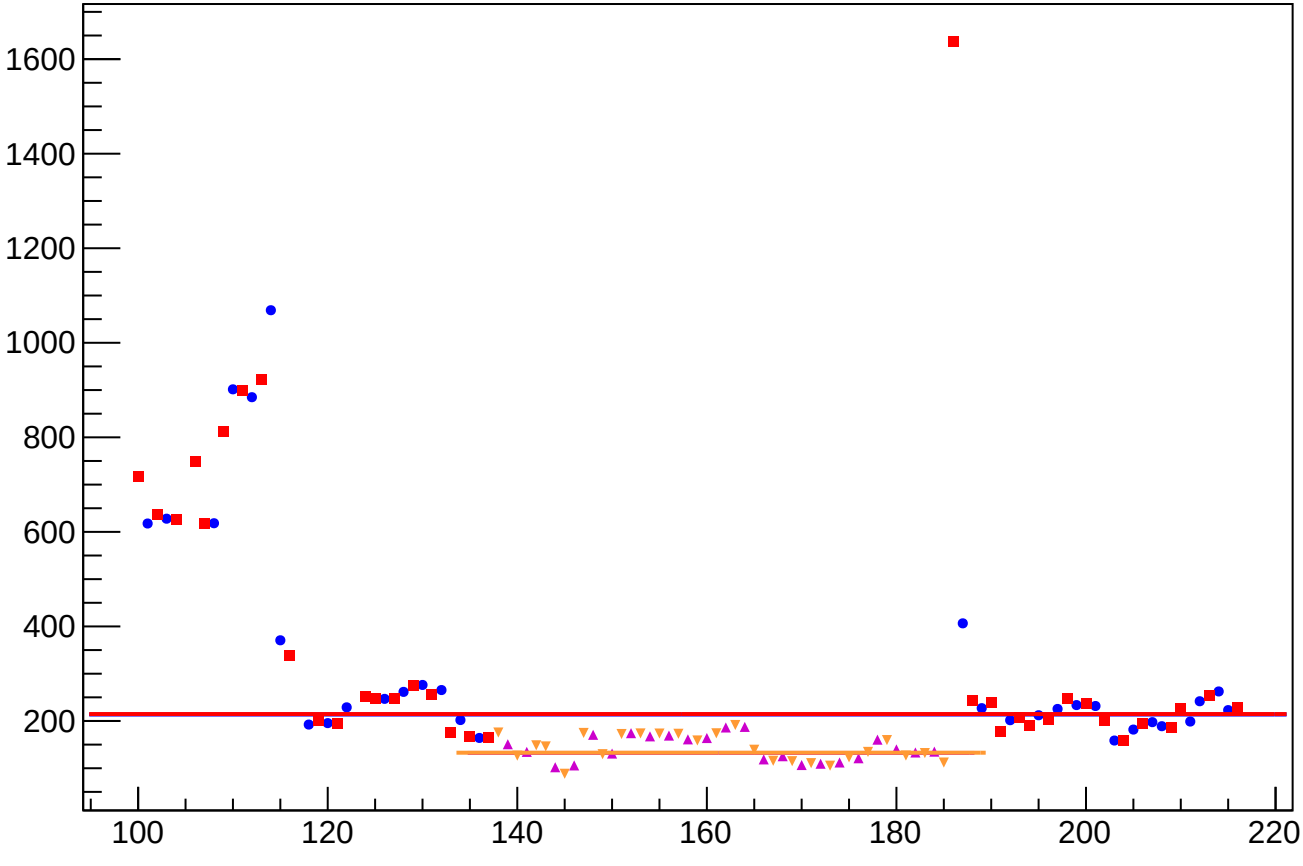
Right: -80.730+/-36.335 χ^2/NDF: 119.6/65

In: 19.425+/-26.898 χ^2/NDF:63.2/53

Out: 43.541+/-26.545 χ^2/NDF:144.5/59

All: 31.642+/-18.894 χ^2/NDF: 208.1/113

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: 214.636+/-0.036 χ^2/NDF: 4703813.4/34

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

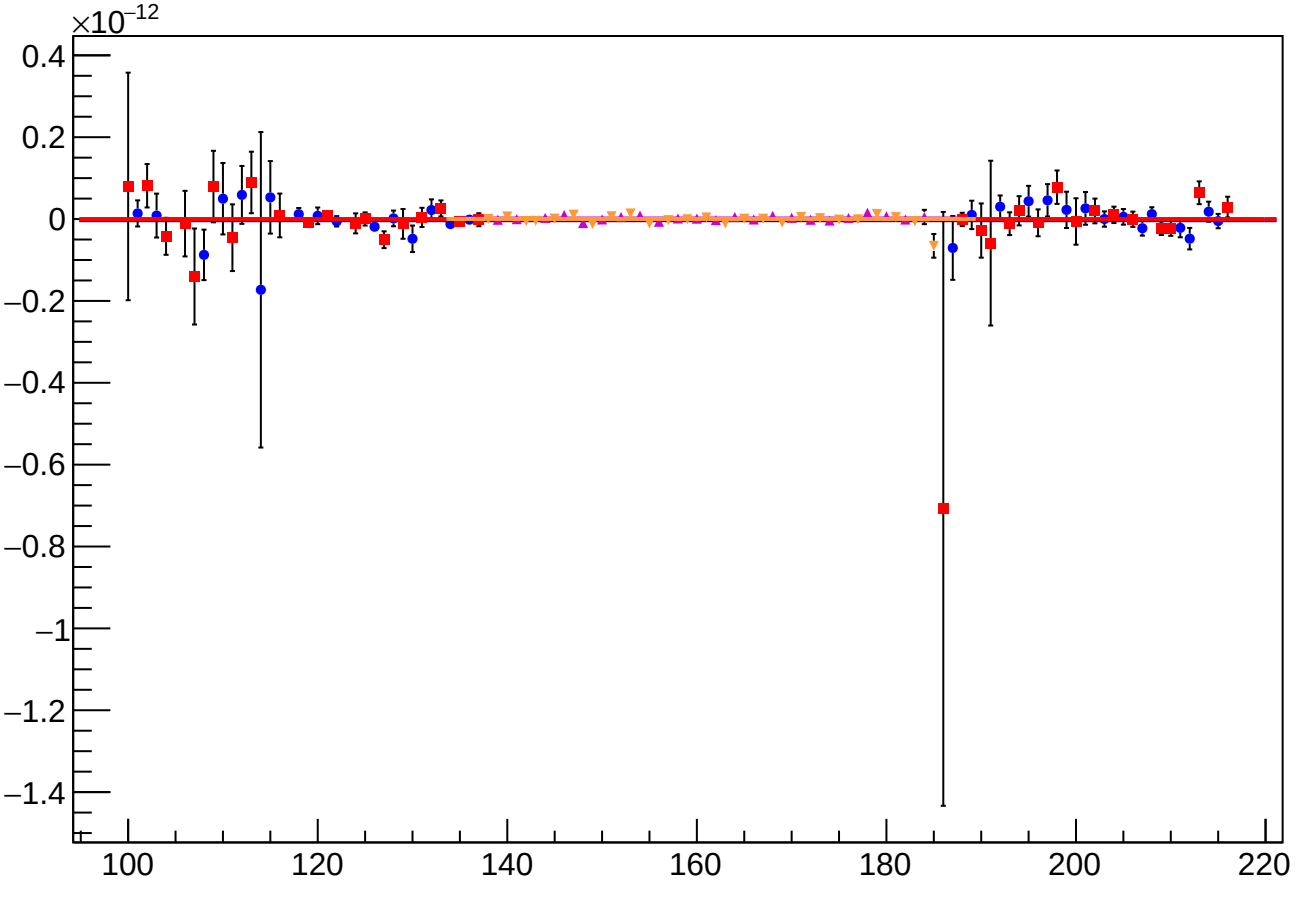
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 214.155+/-0.026 χ^2/NDF: 8182756.1/65

In: 154.827+/-0.019 χ^2/NDF:8414763.2/53

Out: 154.500+/-0.019 χ^2/NDF:9987141.4/59

All: 154.662+/-0.013 χ^2/NDF: 18402054.7/11



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: 34.1/34

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

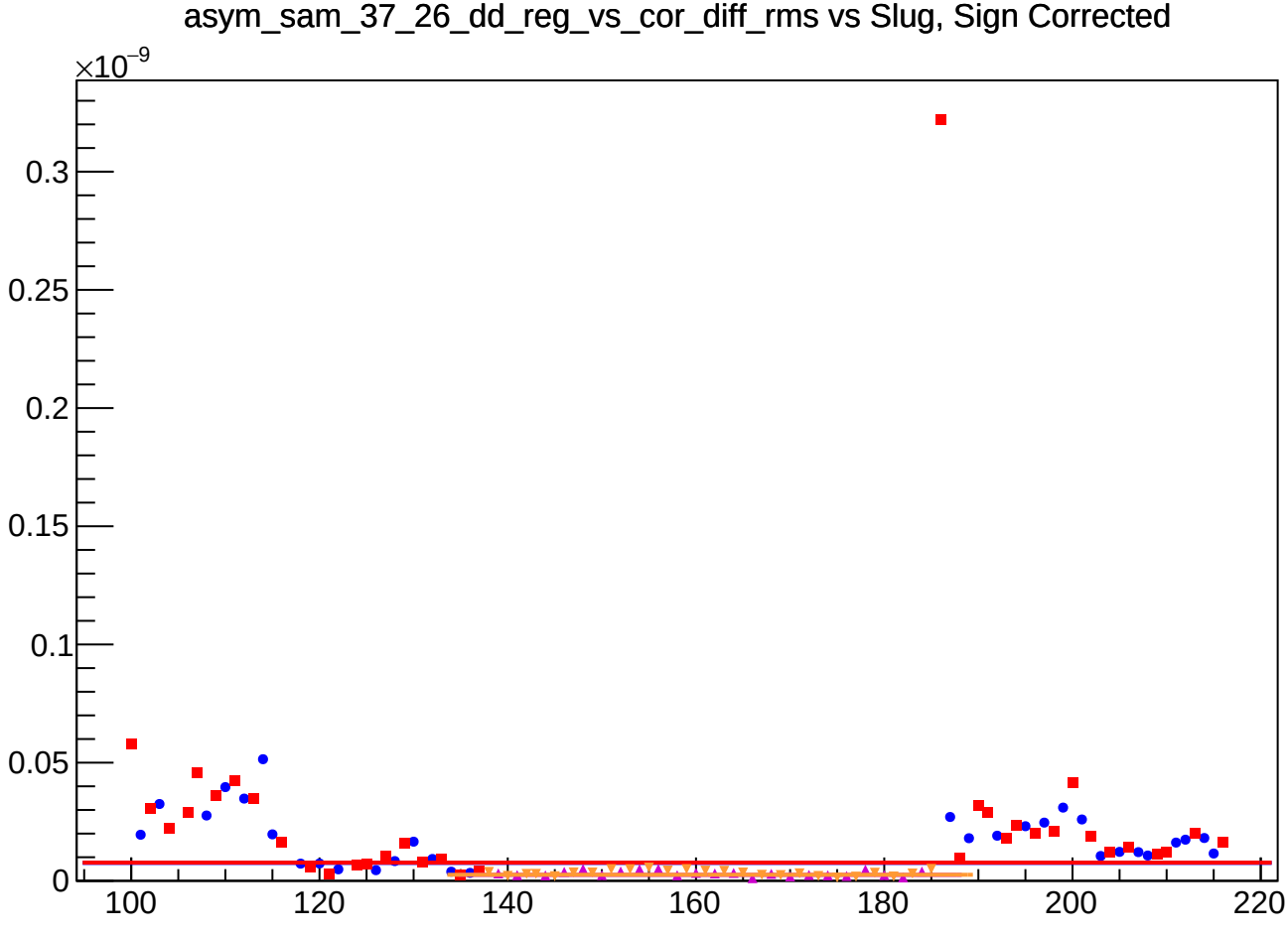
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 58.7/65

In: 0.000+/-0.000 χ^2/NDF:40.7/53

Out: 0.000+/-0.000 χ^2/NDF:66.3/59

All: 0.000+/-0.000 χ^2/NDF: 107.2/113



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: 8163961.9/34

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

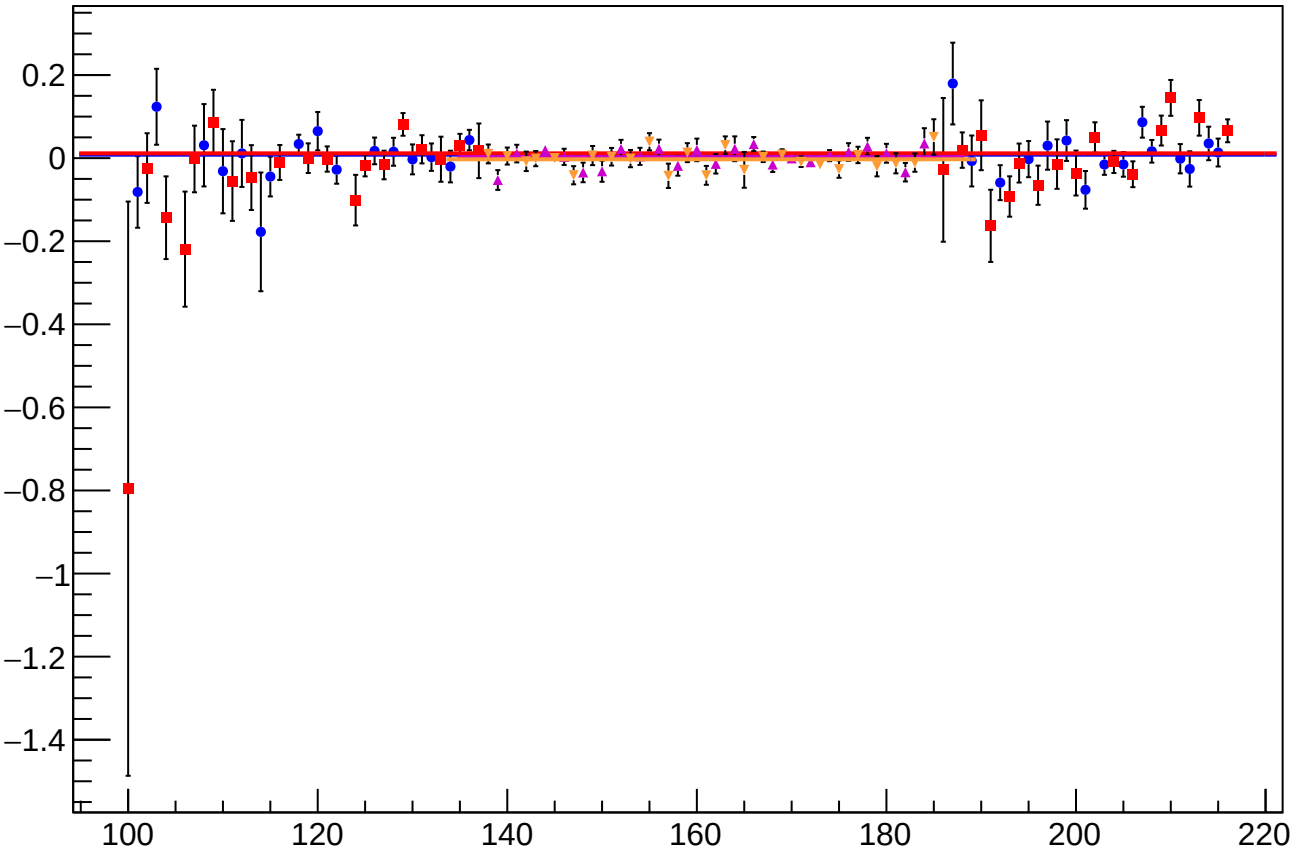
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15413624.2/65

In: 0.000+/-0.000 χ^2/NDF:13355861.4/53

Out: 0.000+/-0.000 χ^2/NDF:14564022.6/59

All: 0.000+/-0.000 χ^2/NDF: 27920403.5/113



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: 0.012+/-0.007 χ^2/NDF: 58.6/34

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

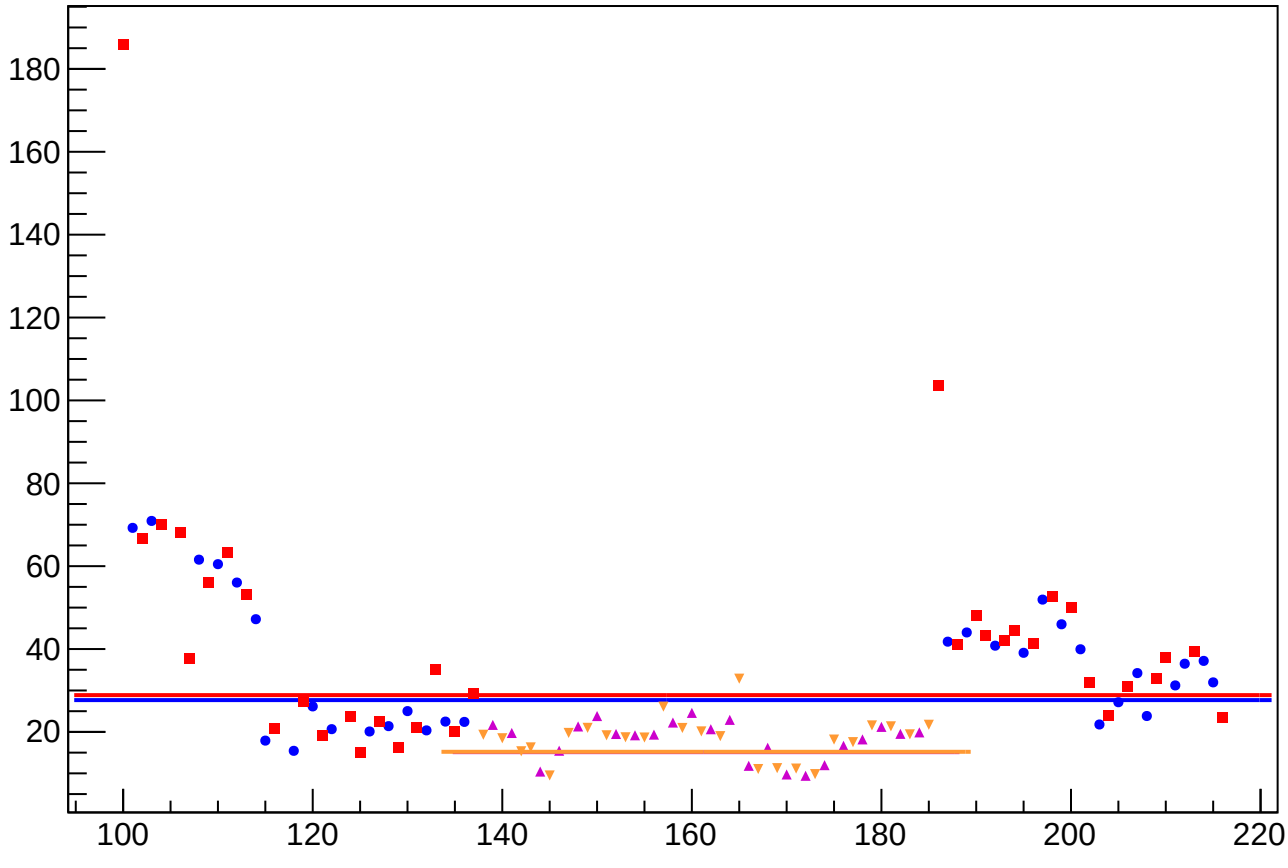
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.010+/-0.005 χ^2/NDF: 88.4/65

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: 0.000+/-0.003 χ^2/NDF:84.3/59

All: 0.002+/-0.002 χ^2/NDF: 142.1/113



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: 28.878+/-0.005 χ^2/NDF: 5632080.4/34

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

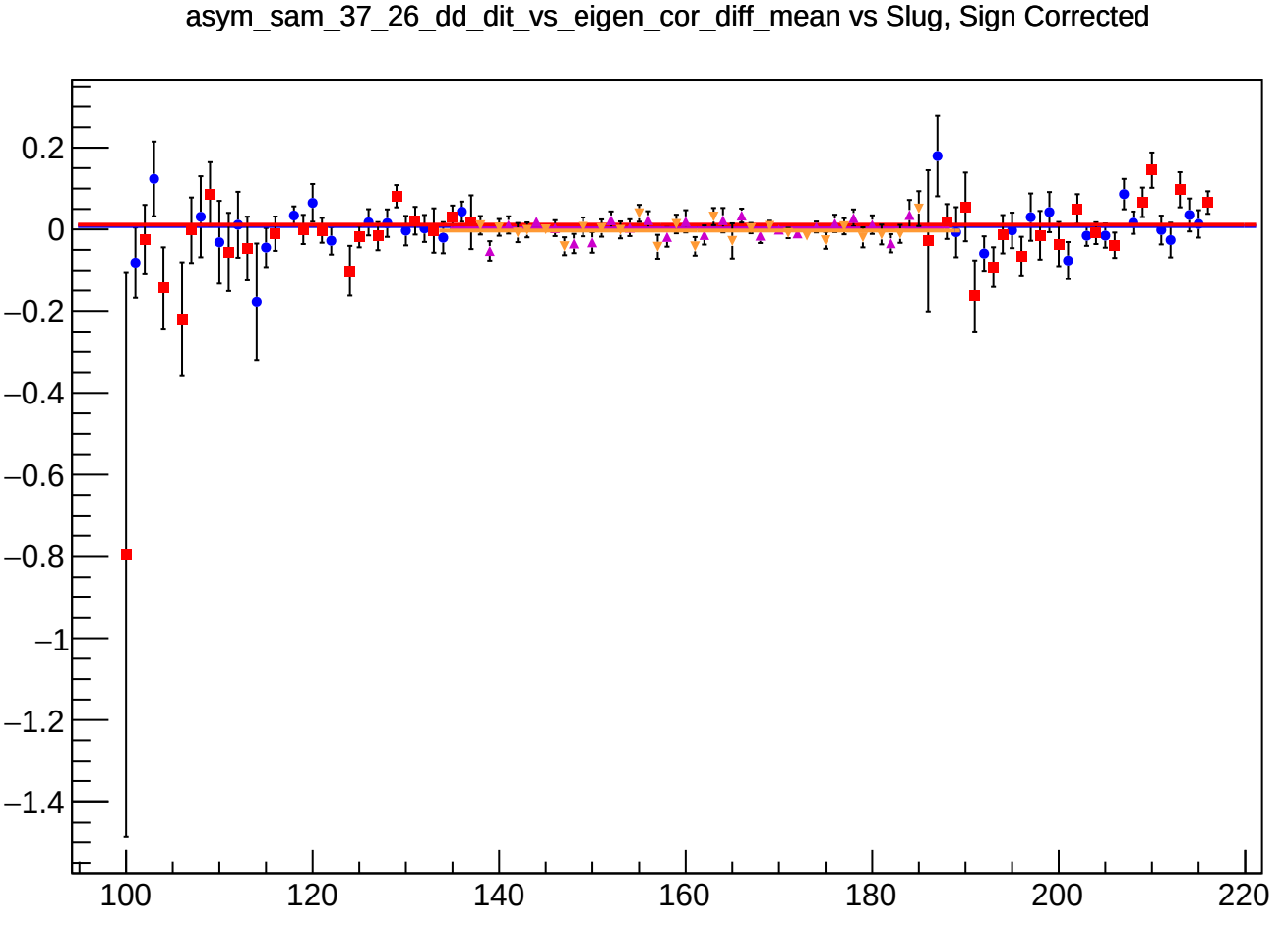
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 28.253+/-0.004 χ^2/NDF: 10243061.9/65

In: 18.033+/-0.002 χ^2/NDF:12992024.7/53

Out: 18.035+/-0.002 χ^2/NDF:14719858.4/59

All: 18.034+/-0.002 χ^2/NDF: 27711883.4/113



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: 0.012+/-0.007 χ^2/NDF: 58.6/34

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

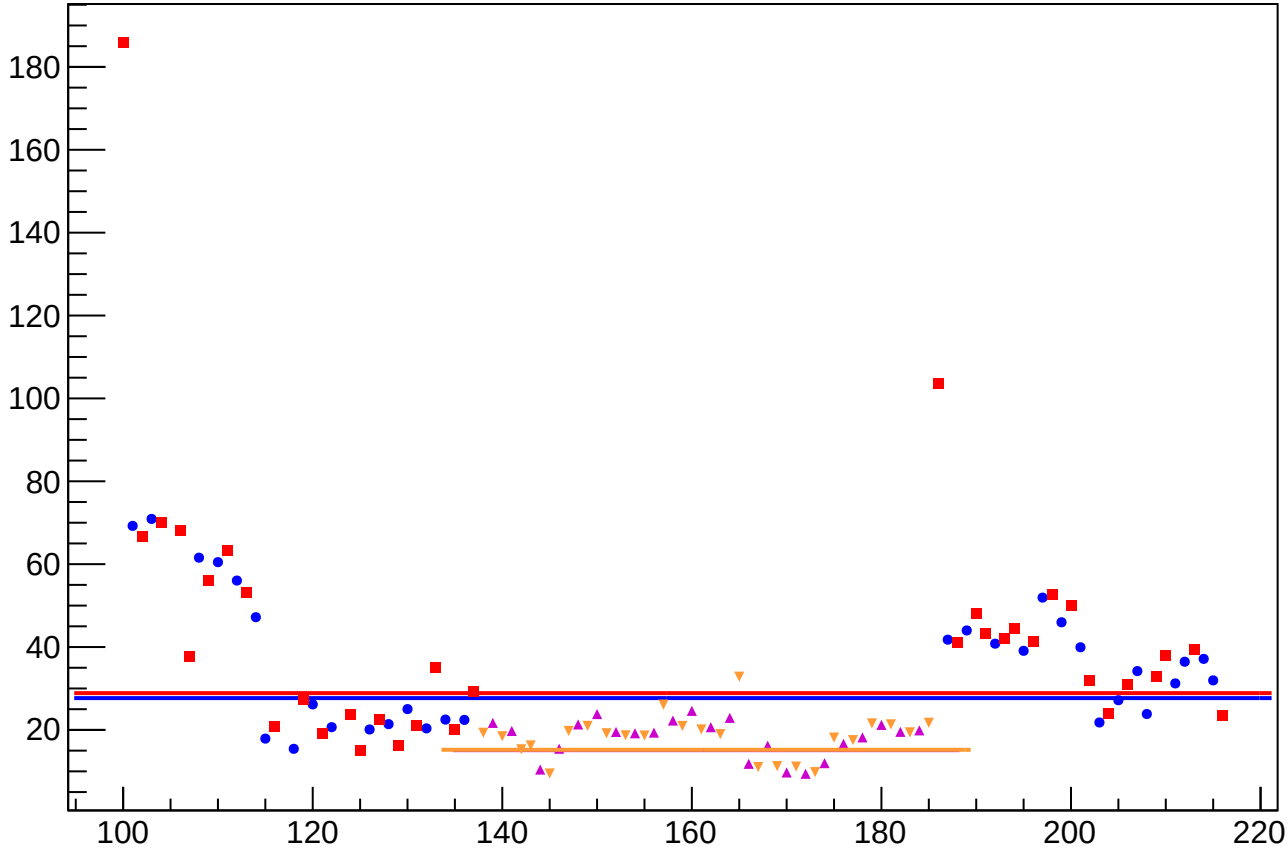
Right: 0.010+/-0.005 χ^2/NDF: 88.4/65

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: 0.000+/-0.003 χ^2/NDF:84.3/59

All: 0.002+/-0.002 χ^2/NDF: 142.1/113

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: 28.878+/-0.005 χ^2/NDF: 5632080.4/34

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

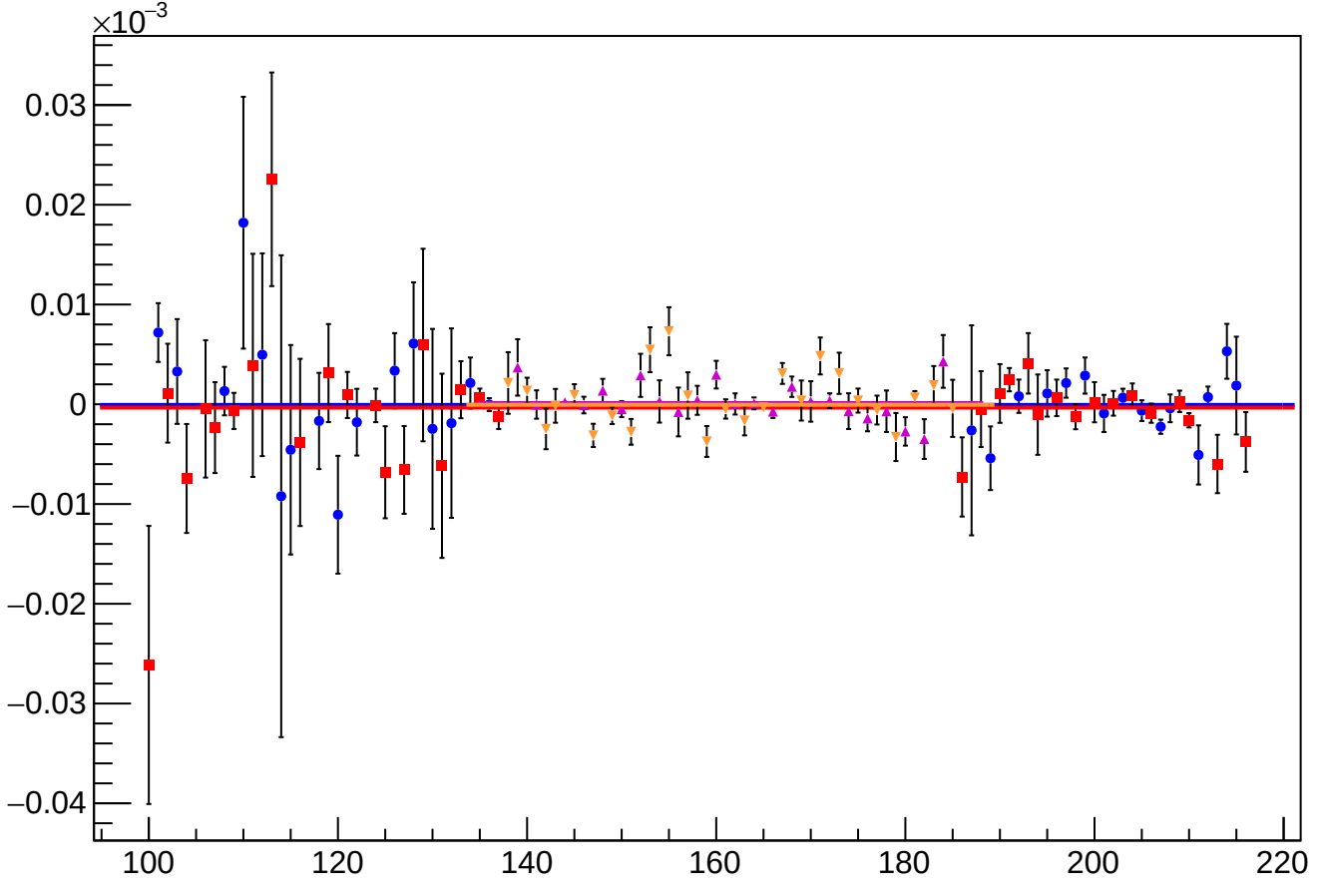
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 28.253+/-0.004 χ^2/NDF: 10243061.9/65

In: 18.033+/-0.002 χ^2/NDF:12992024.7/53

Out: 18.035+/-0.002 χ^2/NDF:14719858.4/59

All: 18.034+/-0.002 χ^2/NDF: 27711883.4/113



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: 40.0/34

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

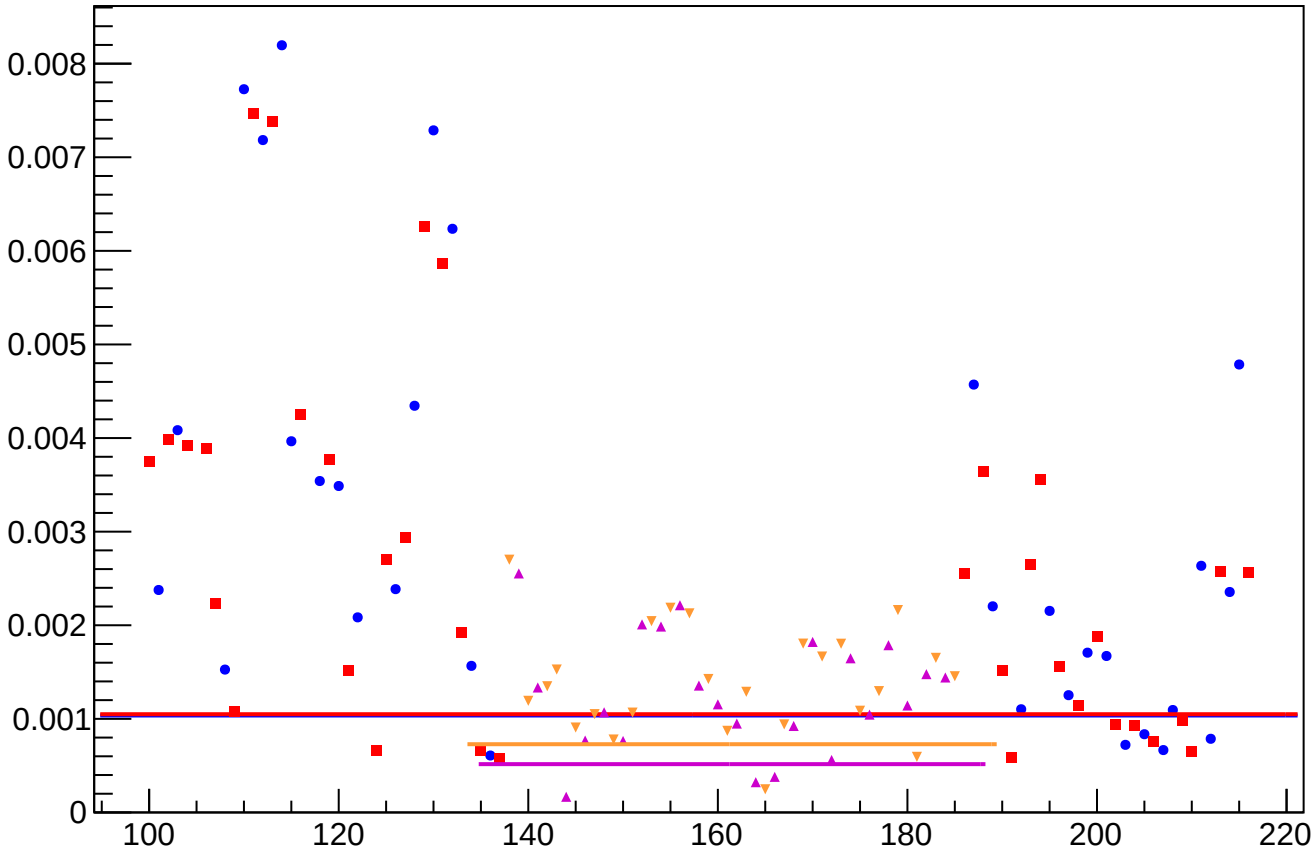
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 82.7/65

In: 0.000+/-0.000 χ^2/NDF:68.1/53

Out: -0.000+/-0.000 χ^2/NDF:103.5/59

All: -0.000+/-0.000 χ^2/NDF: 172.4/113



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: 12140767.1/34

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

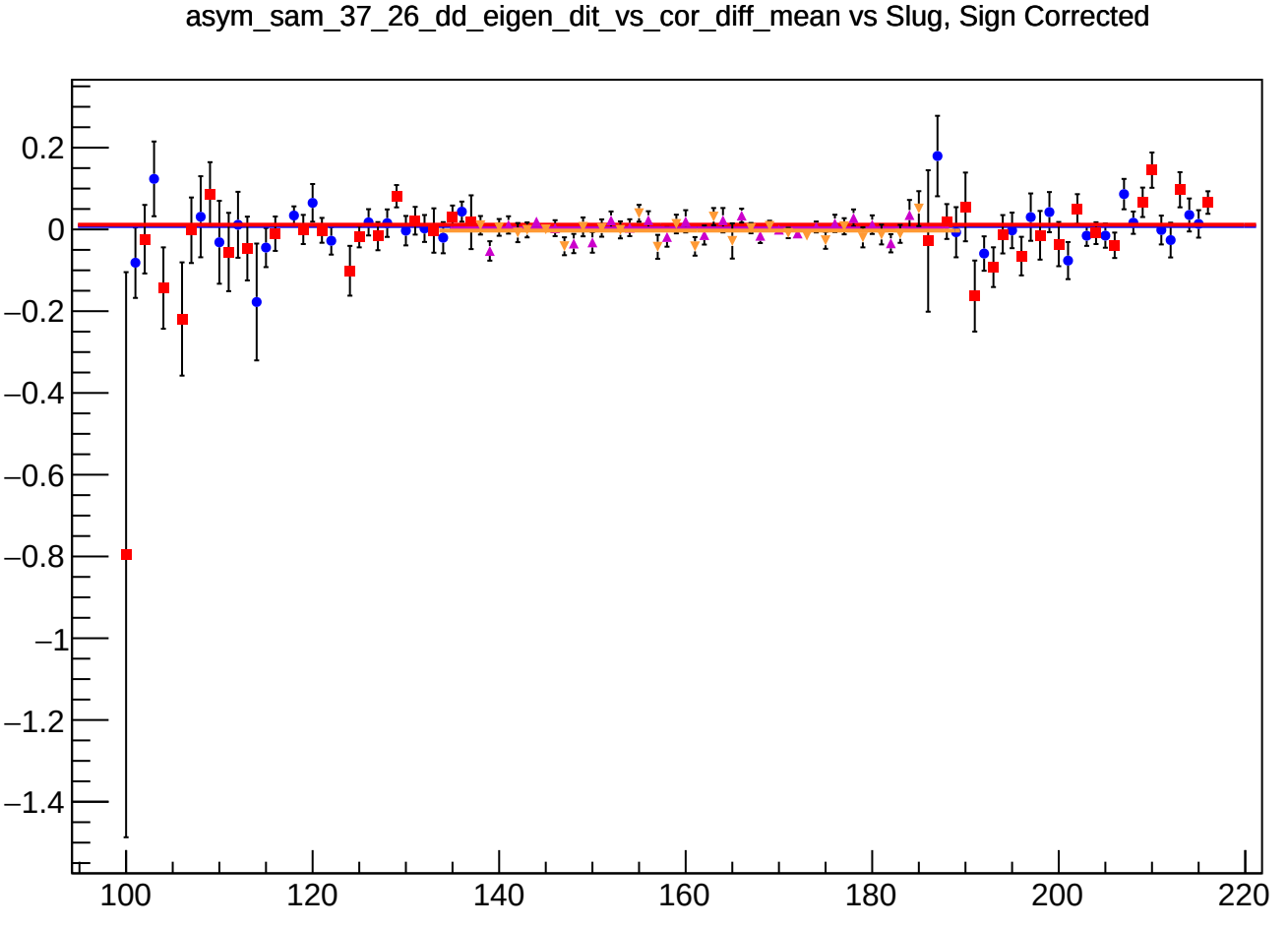
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 23892503.4/65

In: 0.001+/-0.000 χ^2/NDF:31140985.4/53

Out: 0.001+/-0.000 χ^2/NDF:26782287.0/59

All: 0.001+/-0.000 χ^2/NDF: 59254492.7/113



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: 0.012+/-0.007 χ^2/NDF: 58.6/34

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

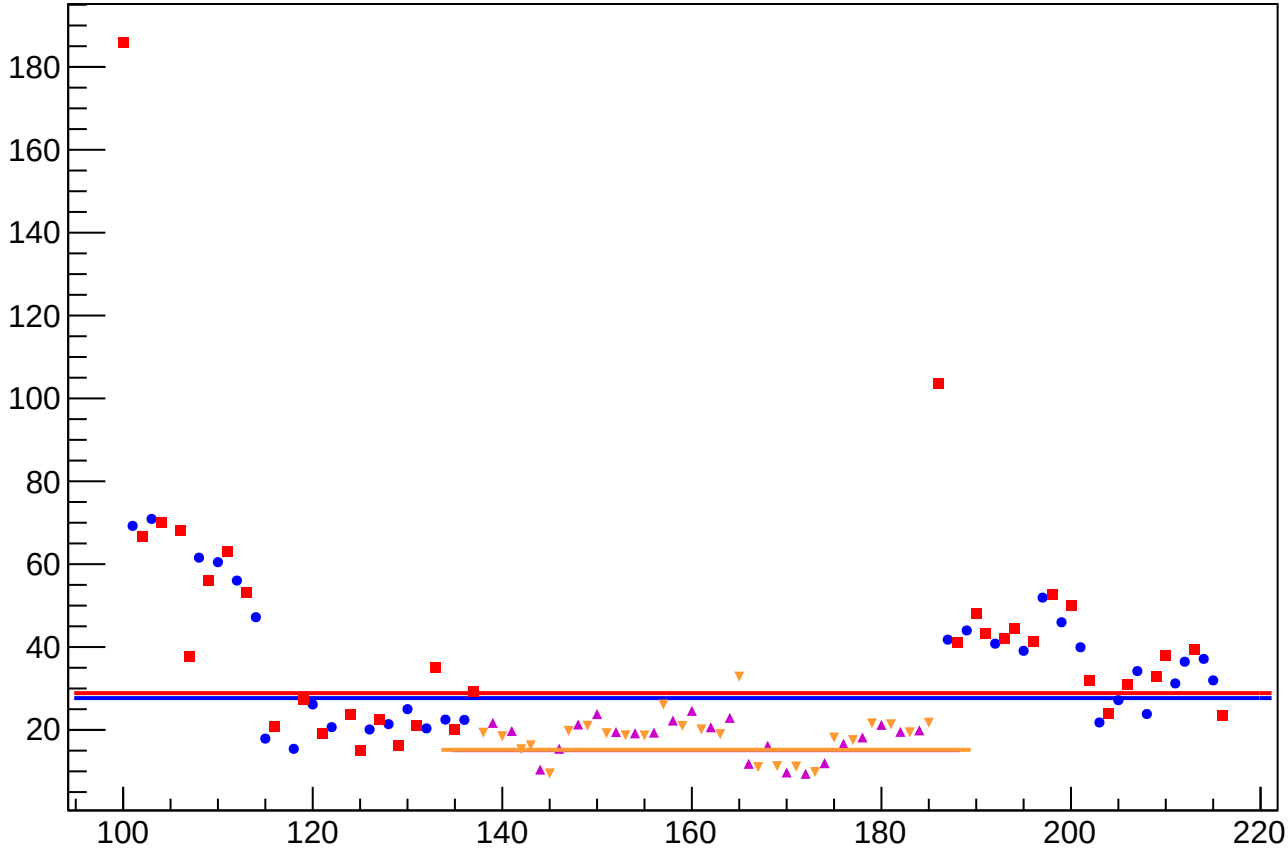
Right: 0.010+/-0.005 χ^2/NDF: 88.4/65

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: 0.000+/-0.003 χ^2/NDF:84.3/59

All: 0.002+/-0.002 χ^2/NDF: 142.1/113

asym_sam_37_26_dd_eigen_dit_vs_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: 28.878+/-0.005 χ^2/NDF: 5632217.7/34

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

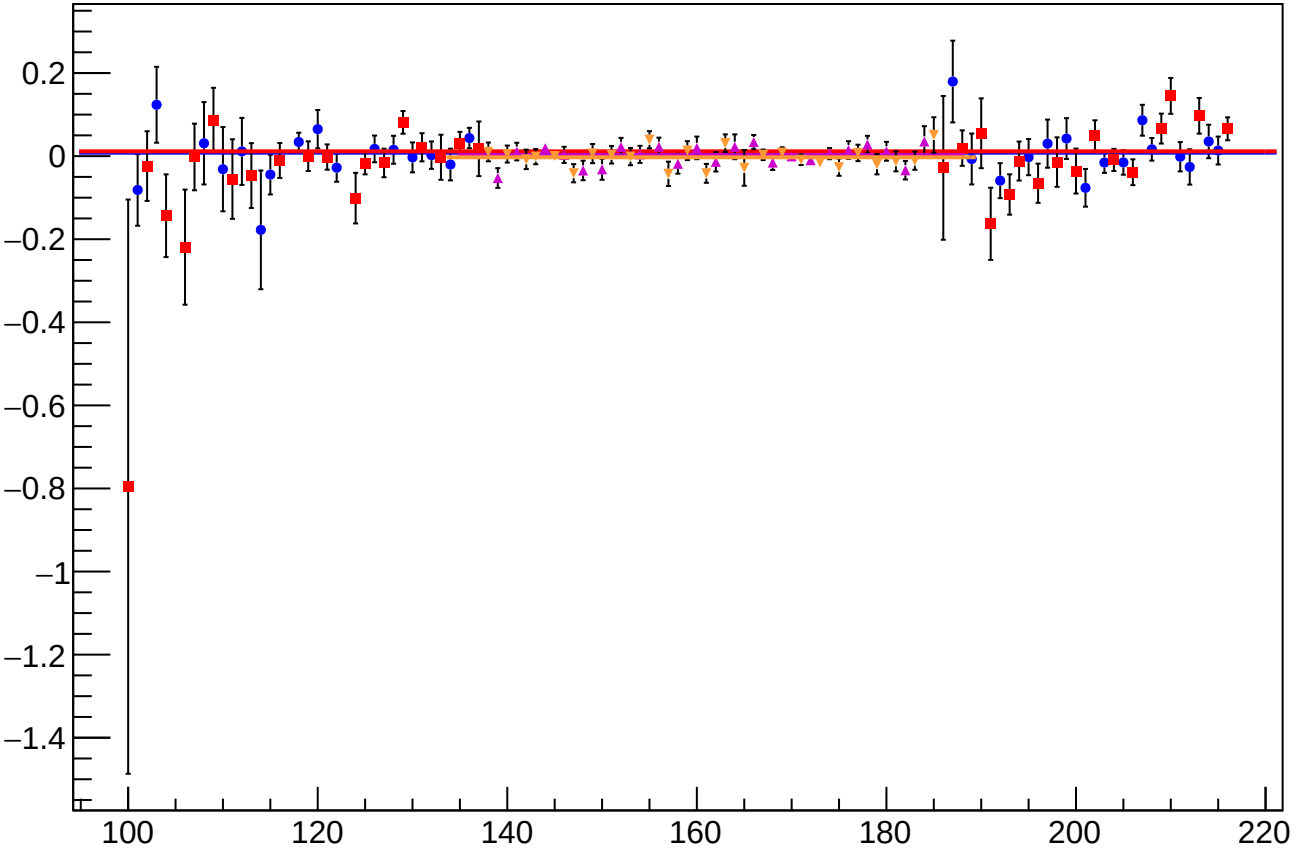
Right: 28.252+/-0.004 χ^2/NDF: 10243600.4/65

In: 18.033+/-0.002 χ^2/NDF:12991933.7/53

Out: 18.035+/-0.002 χ^2/NDF:14719998.9/59

All: 18.034+/-0.002 χ^2/NDF: 27711932.8/113

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: 0.012+/-0.007 χ^2/NDF: 58.6/34

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

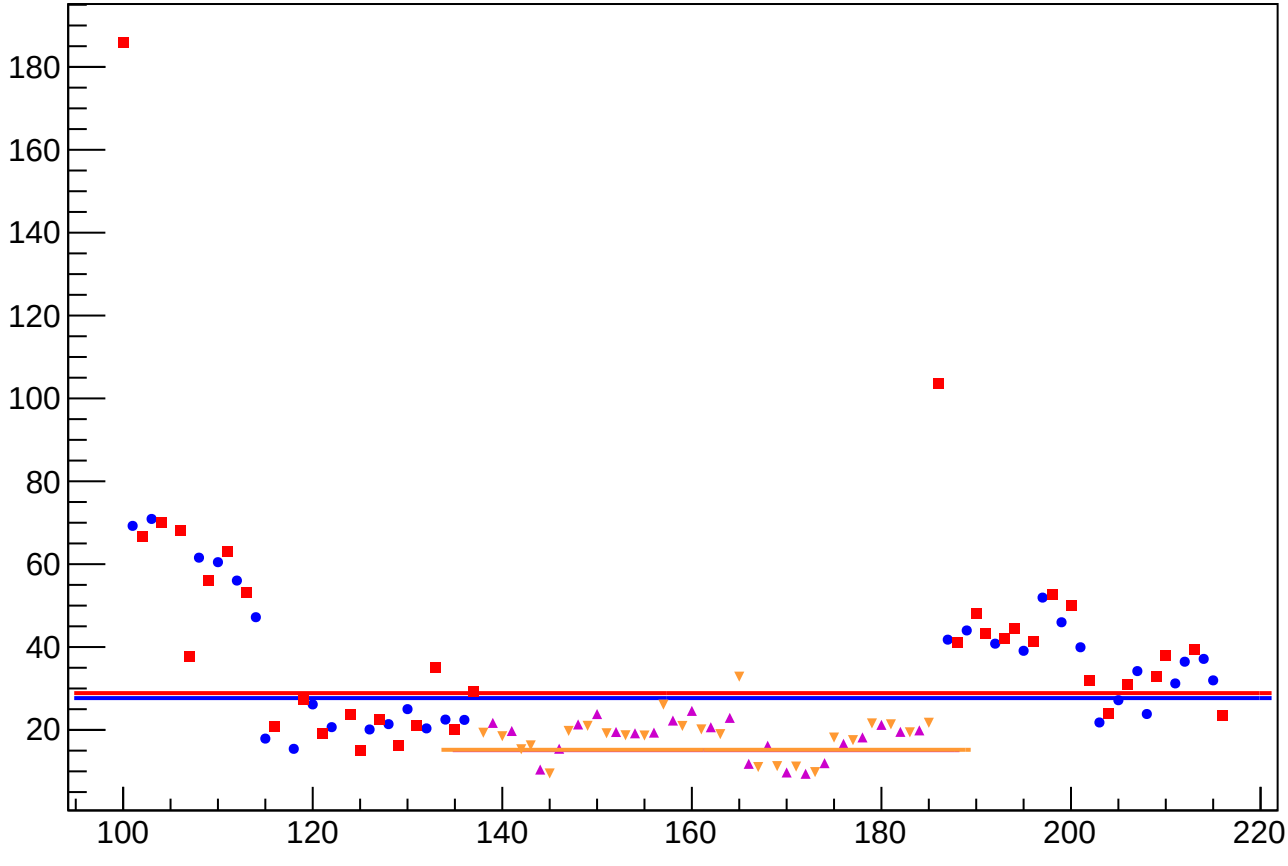
Right: 0.010+/-0.005 χ^2/NDF: 88.4/65

In: 0.004+/-0.003 χ^2/NDF:57.2/53

Out: 0.000+/-0.003 χ^2/NDF:84.3/59

All: 0.002+/-0.002 χ^2/NDF: 142.1/113

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: 28.878+/-0.005 χ^2/NDF: 5632217.7/34

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

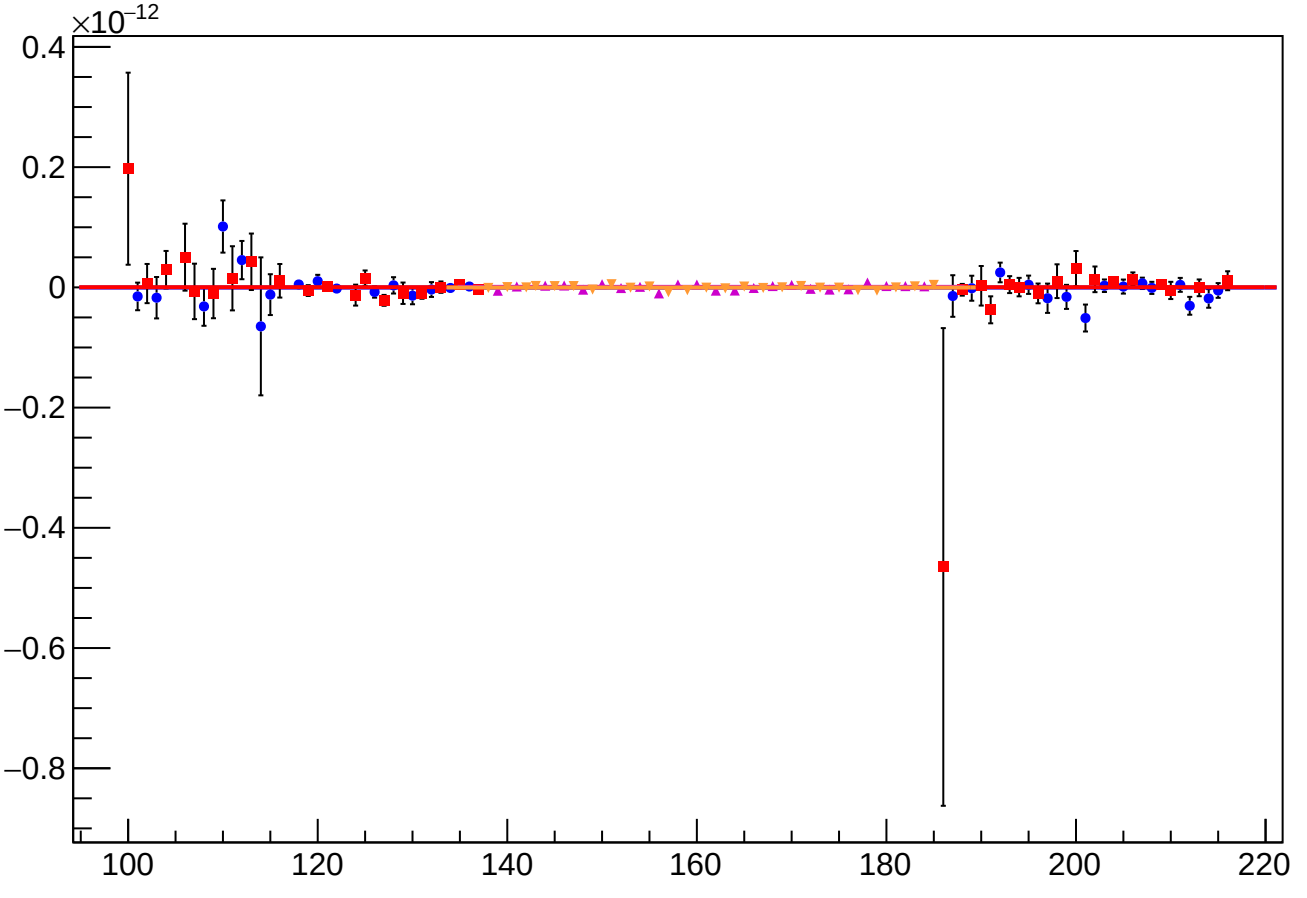
Right: 28.252+/-0.004 χ^2/NDF: 10243600.4/65

In: 18.033+/-0.002 χ^2/NDF:12991933.7/53

Out: 18.035+/-0.002 χ^2/NDF:14719998.9/59

All: 18.034+/-0.002 χ^2/NDF: 27711932.8/113

asym_sam_37_26_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:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/34

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

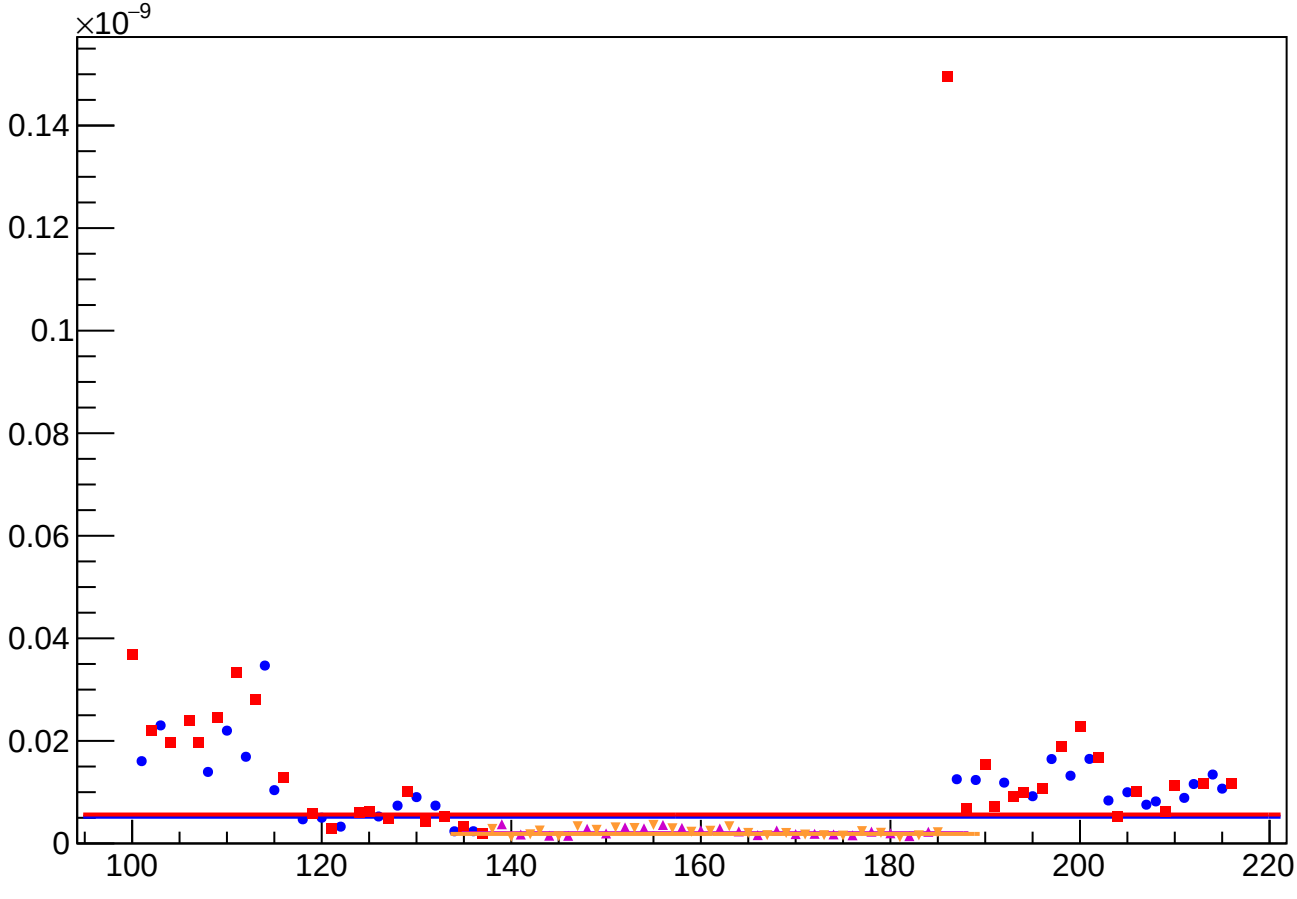
Right: -0.000+/-0.000 χ^2/NDF: 55.4/65

In: 0.000+/-0.000 χ^2/NDF:68.3/53

Out: -0.000+/-0.000 χ^2/NDF:48.4/59

All: 0.000+/-0.000 χ^2/NDF: 118.2/113

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9166306.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9190804.3/34

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

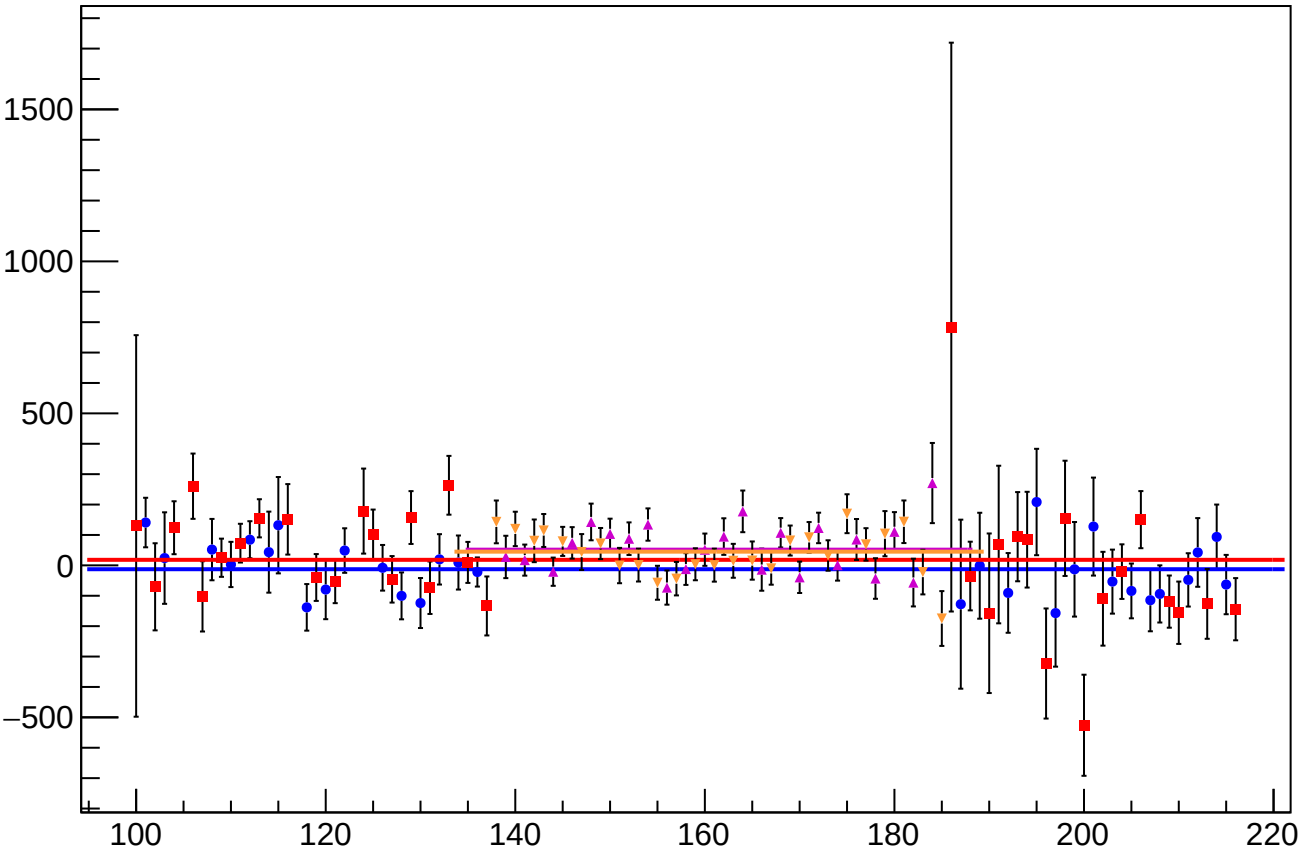
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 18411177.3/65

In: 0.000+/-0.000 χ^2/NDF:16964710.2/53

Out: 0.000+/-0.000 χ^2/NDF:18913068.1/59

All: 0.000+/-0.000 χ^2/NDF: 35997331.9/113



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: 18.200+/-16.739 χ^2/NDF: 61.0/34

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

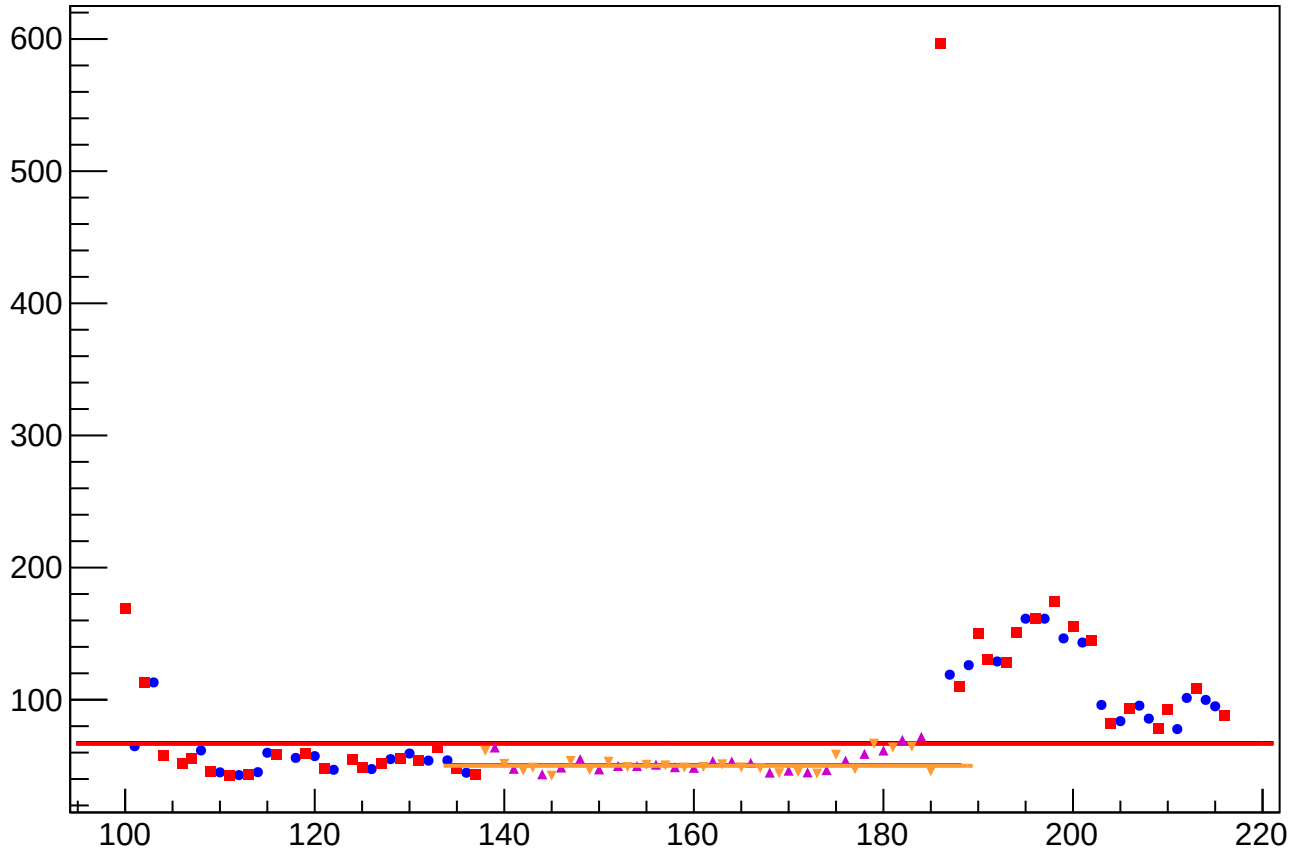
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 2.734+/-11.832 χ^2/NDF: 85.2/65

In: 29.931+/-9.712 χ^2/NDF:68.2/53

Out: 36.475+/-9.475 χ^2/NDF:94.1/59

All: 33.284+/-6.782 χ^2/NDF: 162.5/113



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: 66.600+/-0.012 χ^2/NDF: 7020809.7/34

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

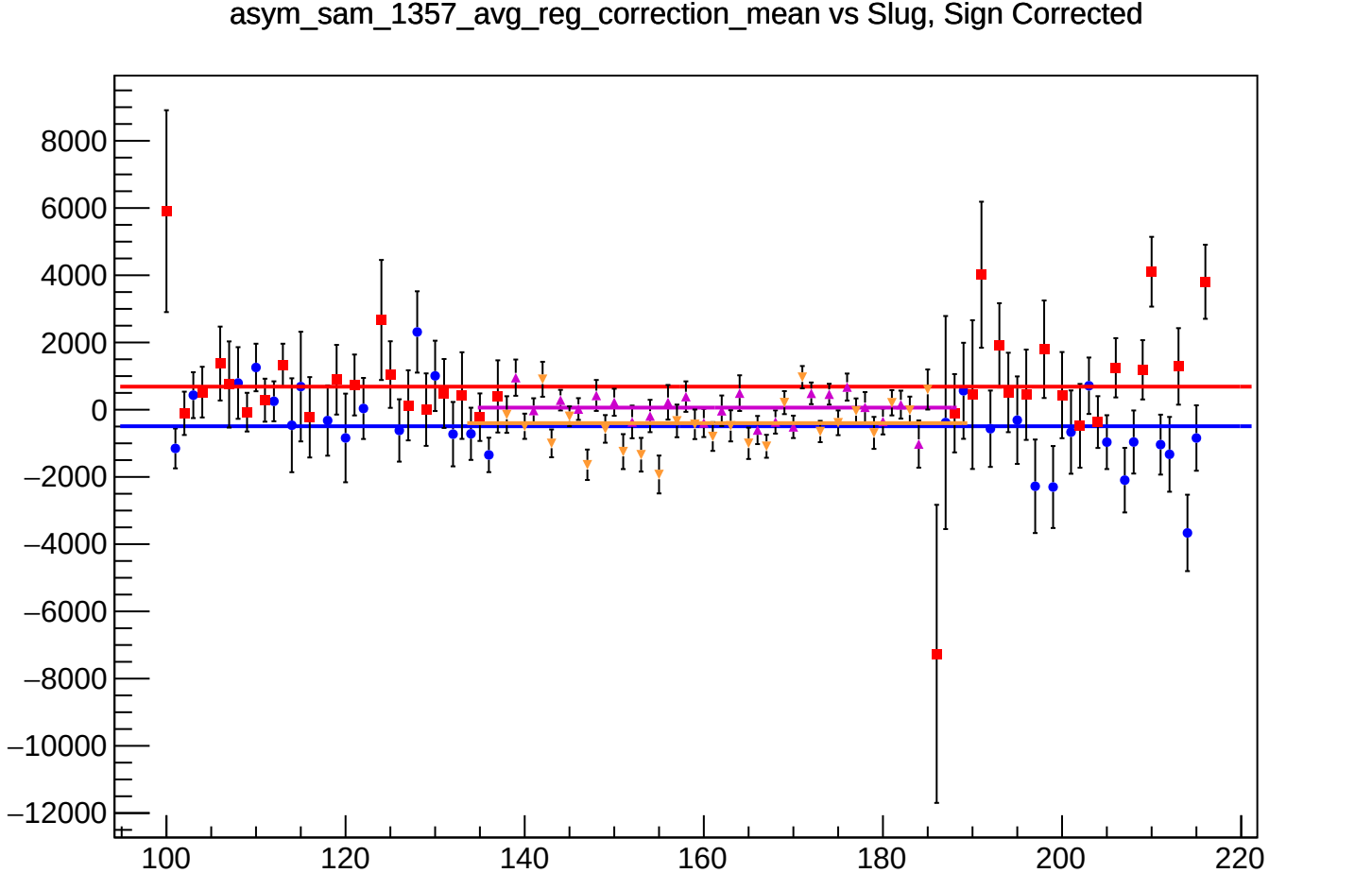
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 66.917+/-0.008 χ^2/NDF: 12589447.9/65

In: 56.149+/-0.007 χ^2/NDF:7395290.0/53

Out: 55.334+/-0.007 χ^2/NDF:8863259.5/59

All: 55.731+/-0.005 χ^2/NDF: 16265758.1/113



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: 686.081+/-167.441 χ^2/NDF: 42.9/34

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

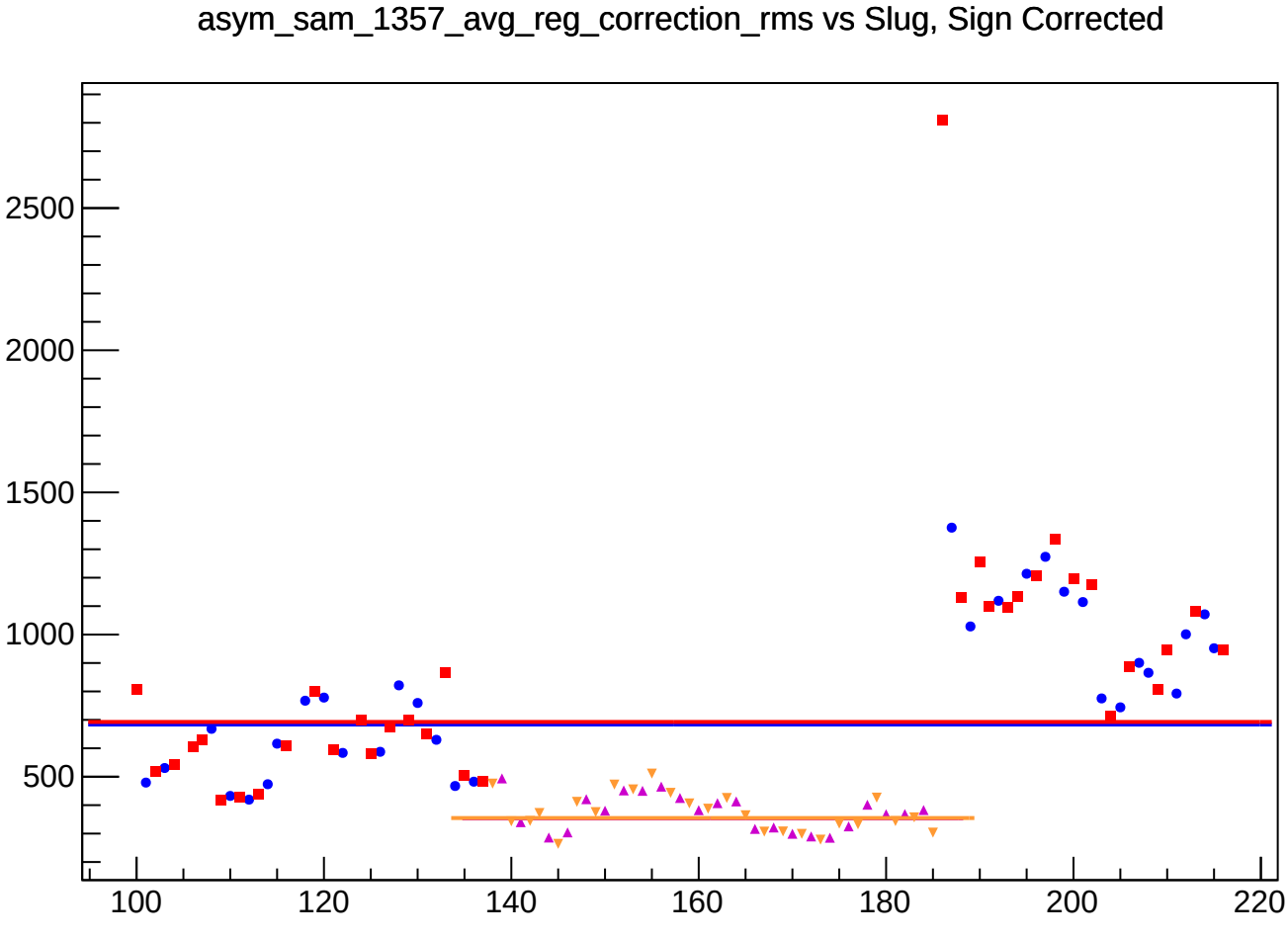
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 90.346+/-117.717 χ^2/NDF: 110.2/65

In: -51.161+/-74.831 χ^2/NDF:75.1/53

Out: -189.135+/-73.689 χ^2/NDF:142.2/59

All: -121.208+/-52.505 χ^2/NDF: 219.0/113



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: 692.629+/-0.118 χ^2/NDF: 5026611.0/34

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

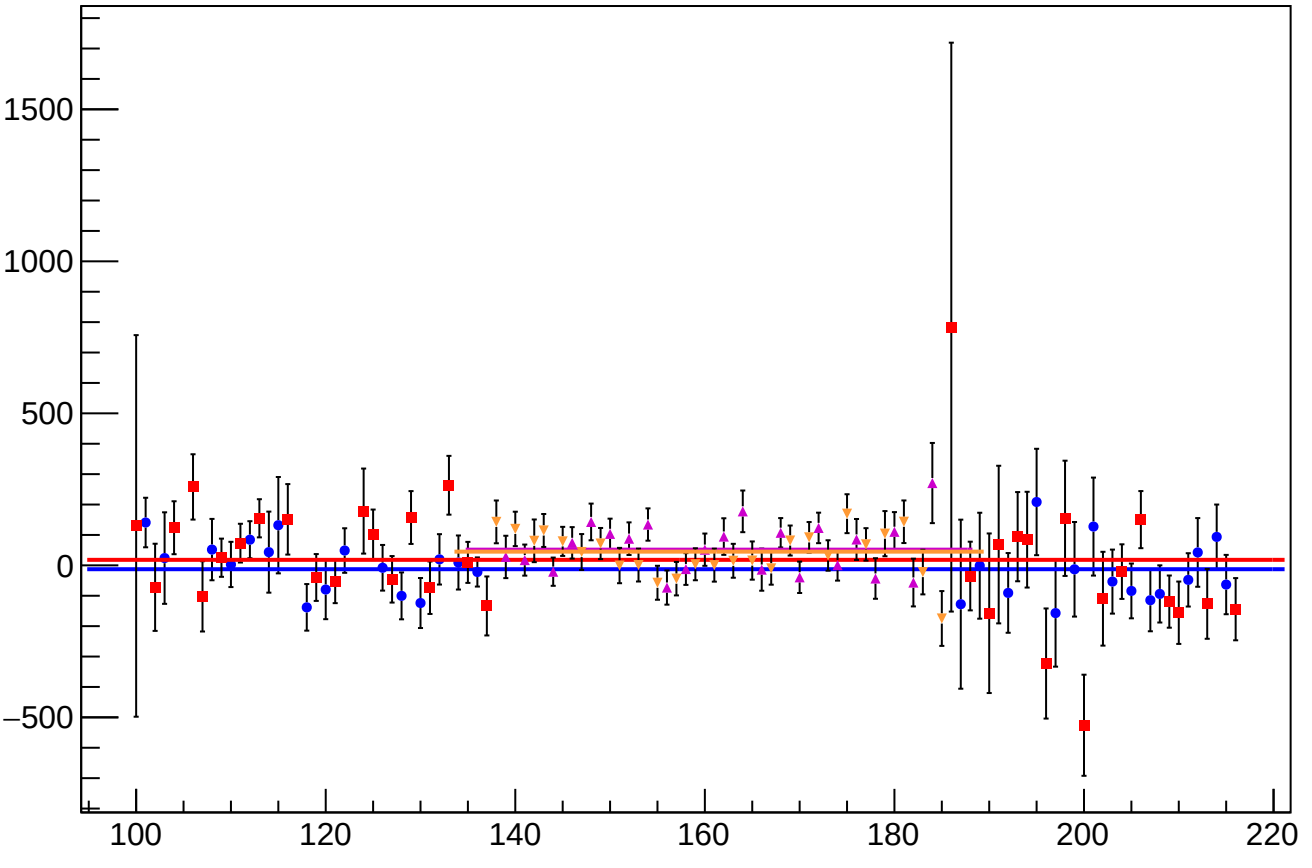
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 688.115+/-0.083 χ^2/NDF: 9159370.8/65

In: 420.671+/-0.053 χ^2/NDF:11481091.7/53

Out: 420.126+/-0.052 χ^2/NDF:12741726.1/59

All: 420.394+/-0.037 χ^2/NDF: 24222871.7/1



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: 18.116+/-16.739 χ^2/NDF: 60.9/34

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

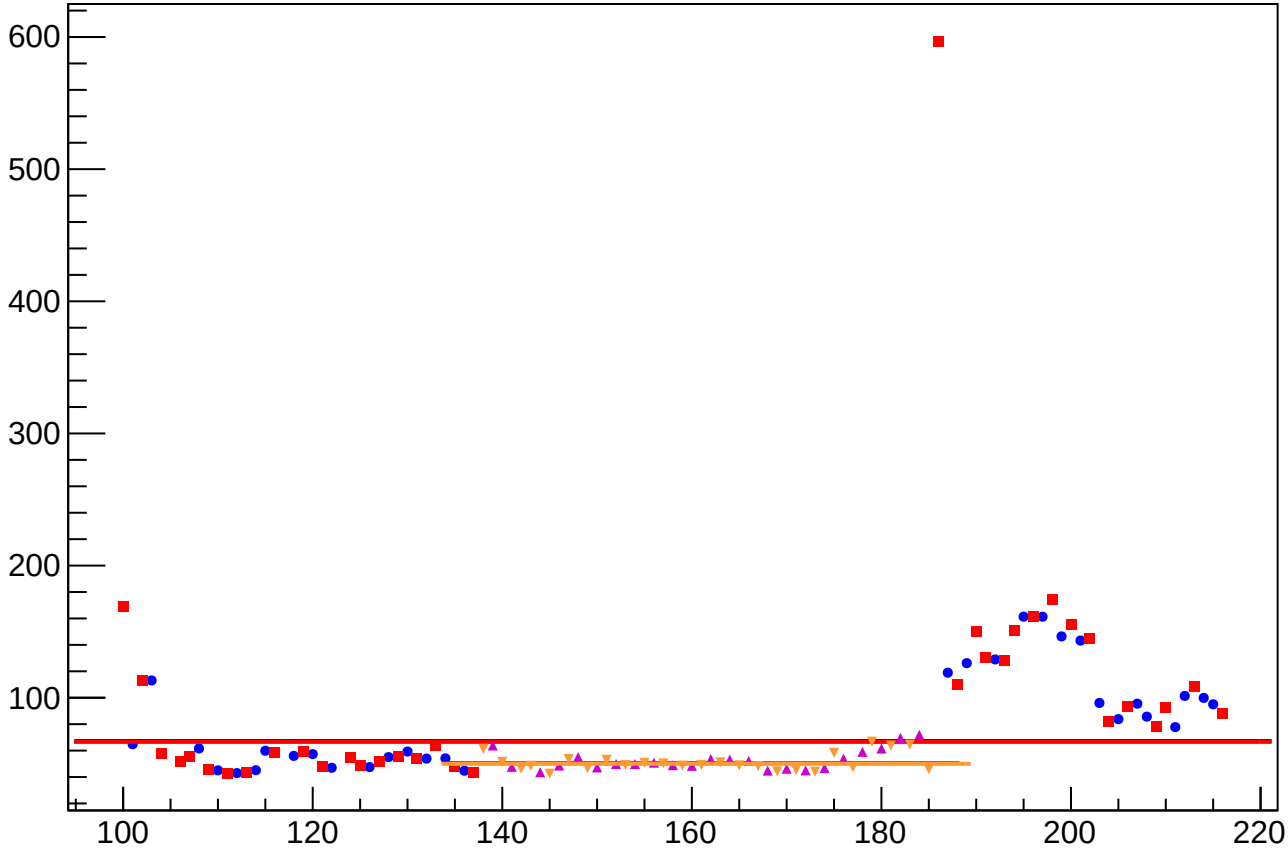
Right: 2.689+/-11.832 χ^2/NDF: 85.1/65

In: 29.929+/-9.712 χ^2/NDF:68.2/53

Out: 36.451+/-9.476 χ^2/NDF:94.0/59

All: 33.270+/-6.782 χ^2/NDF: 162.4/113

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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: 66.593+/-0.012 χ^2/NDF: 7022579.9/34

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

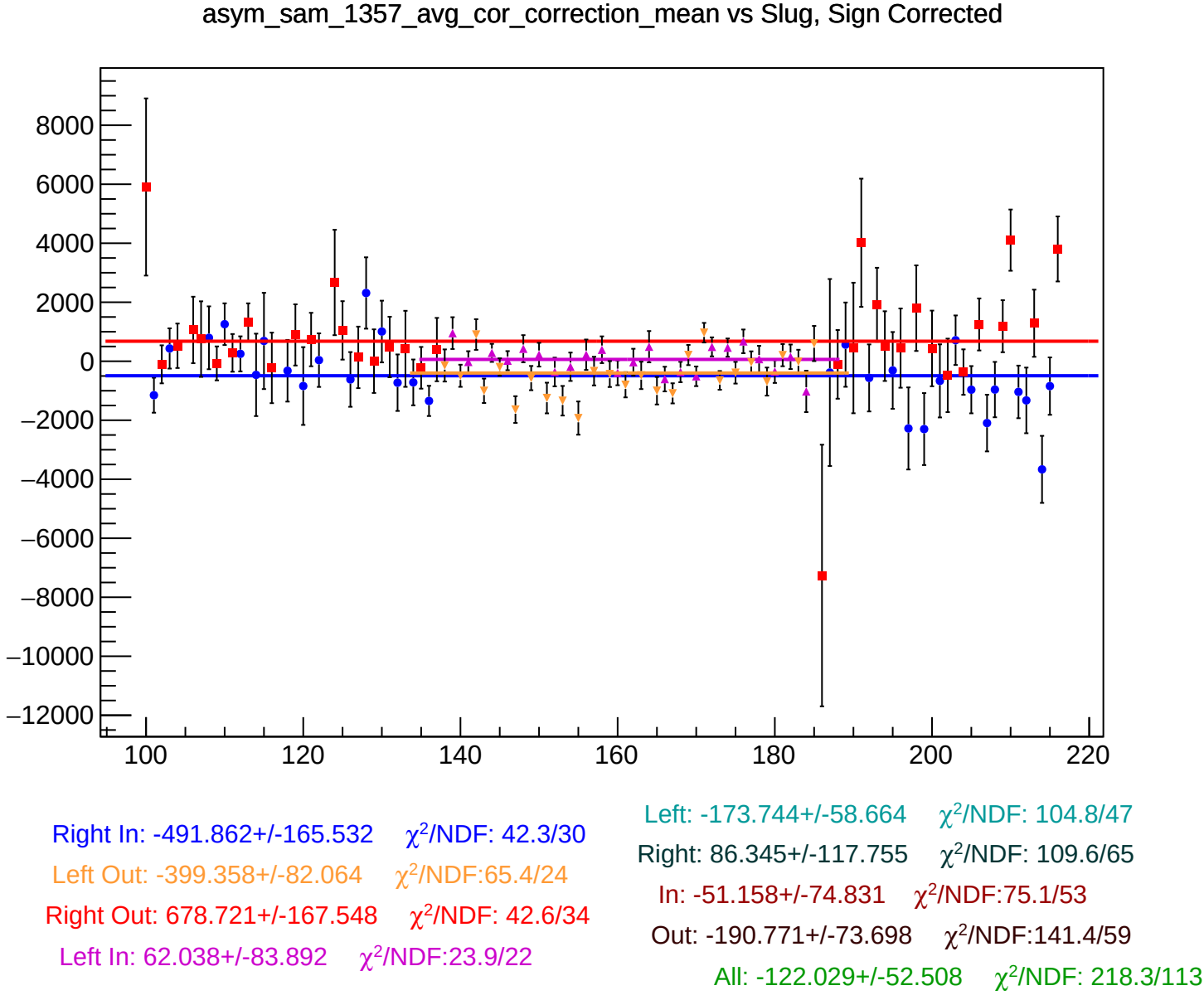
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

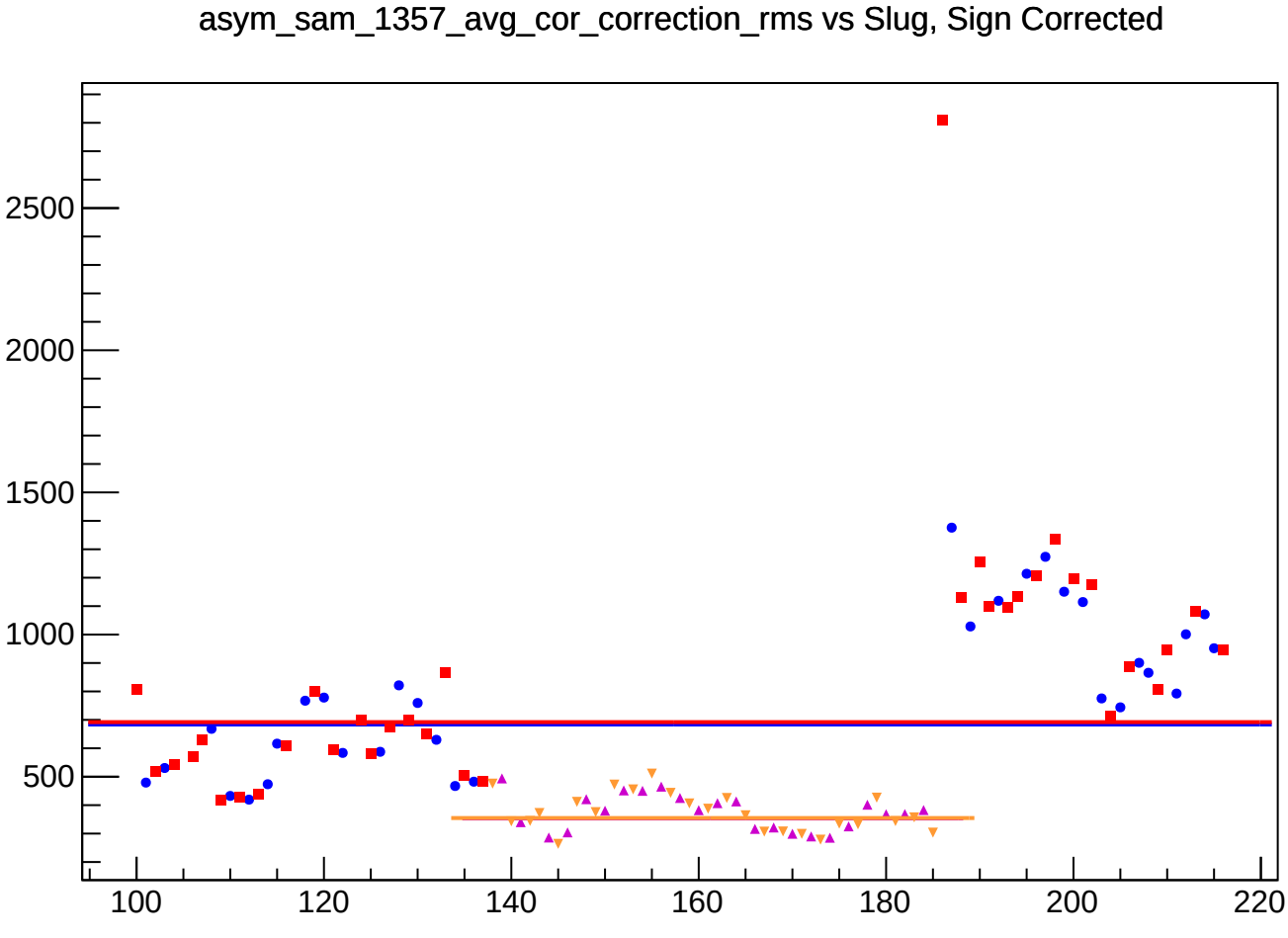
Right: 66.913+/-0.008 χ^2/NDF: 12591251.8/65

In: 56.149+/-0.007 χ^2/NDF:7395292.3/53

Out: 55.332+/-0.007 χ^2/NDF:8863880.9/59

All: 55.730+/-0.005 χ^2/NDF: 16266423.6/113


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: -491.862+/-165.532 χ²/NDF: 42.3/30
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 678.721+/-167.548 χ²/NDF: 42.6/34
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 86.345+/-117.755 χ²/NDF: 109.6/65
In: -51.158+/-74.831 χ²/NDF:75.1/53
Out: -190.771+/-73.698 χ²/NDF:141.4/59
All: -122.029+/-52.508 χ²/NDF: 218.3/113



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: 692.000+/-0.118 χ^2/NDF: 5036512.9/34

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

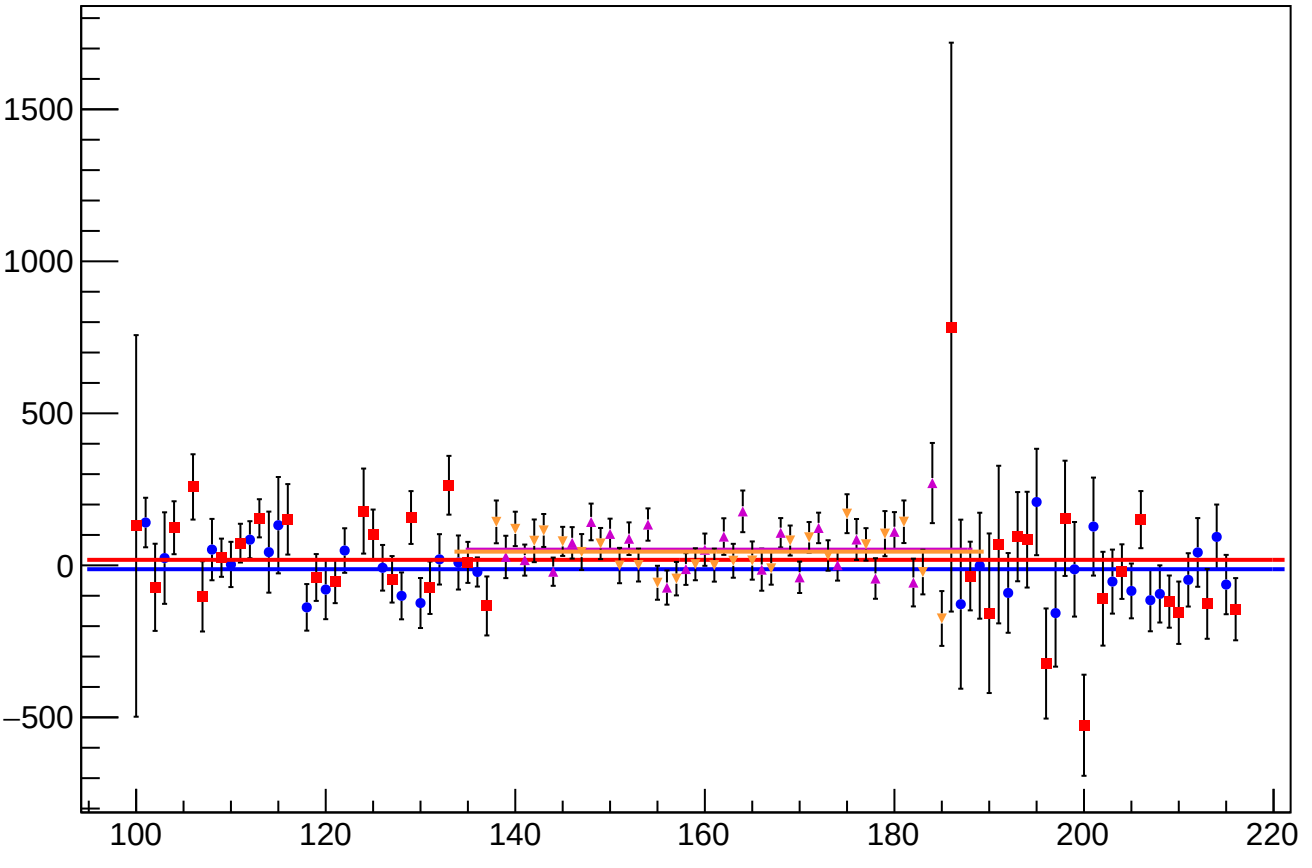
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 687.804+/-0.083 χ^2/NDF: 9168782.2/65

In: 420.671+/-0.053 χ^2/NDF:11481136.4/53

Out: 419.937+/-0.052 χ^2/NDF:12720477.5/59

All: 420.298+/-0.037 χ^2/NDF: 24201711.7/11



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: 18.116+/-16.739 χ^2/NDF: 60.9/34

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

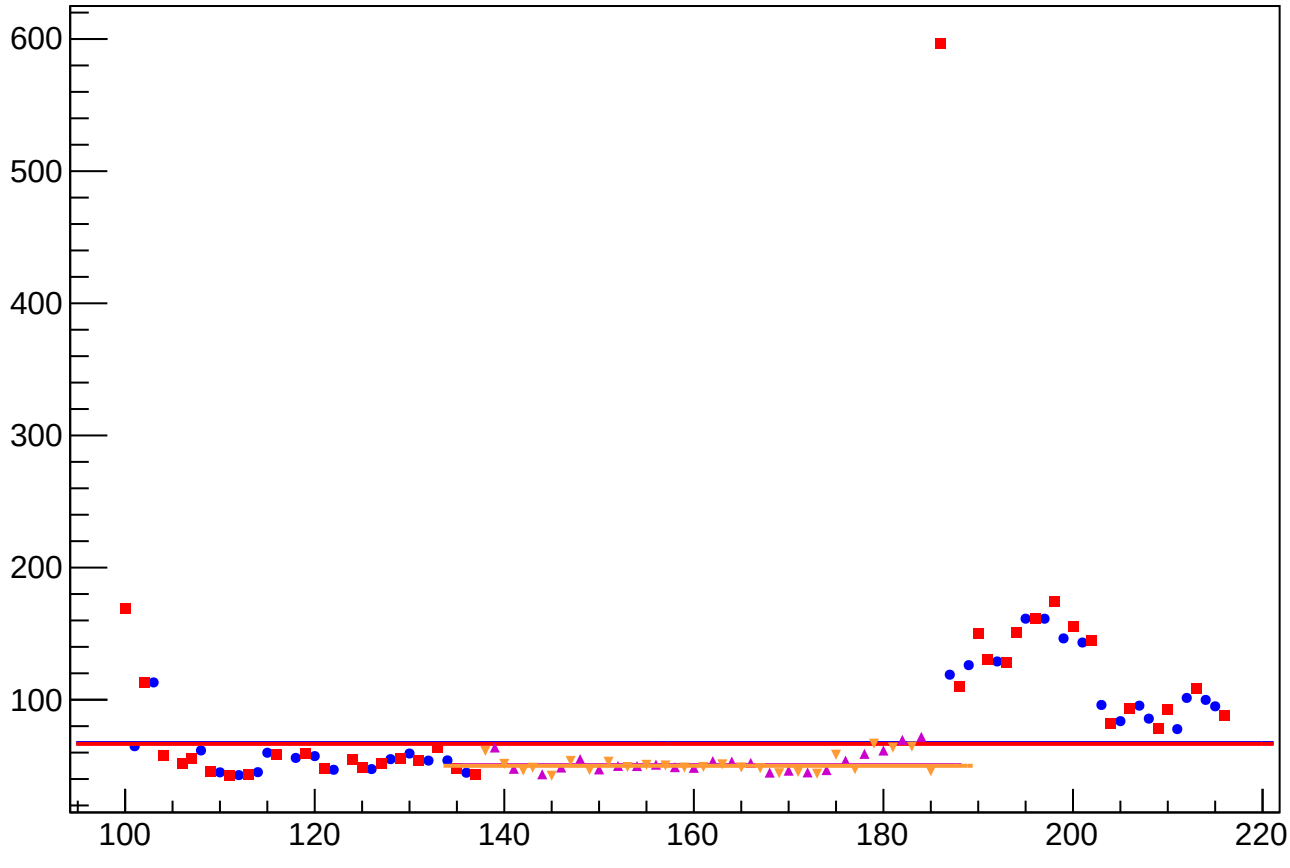
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 2.689+/-11.832 χ^2/NDF: 85.1/65

In: 29.929+/-9.712 χ^2/NDF:68.2/53

Out: 36.451+/-9.476 χ^2/NDF:94.0/59

All: 33.270+/-6.782 χ^2/NDF: 162.4/113



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: 66.593+/-0.012 χ^2/NDF: 7022579.9/34

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

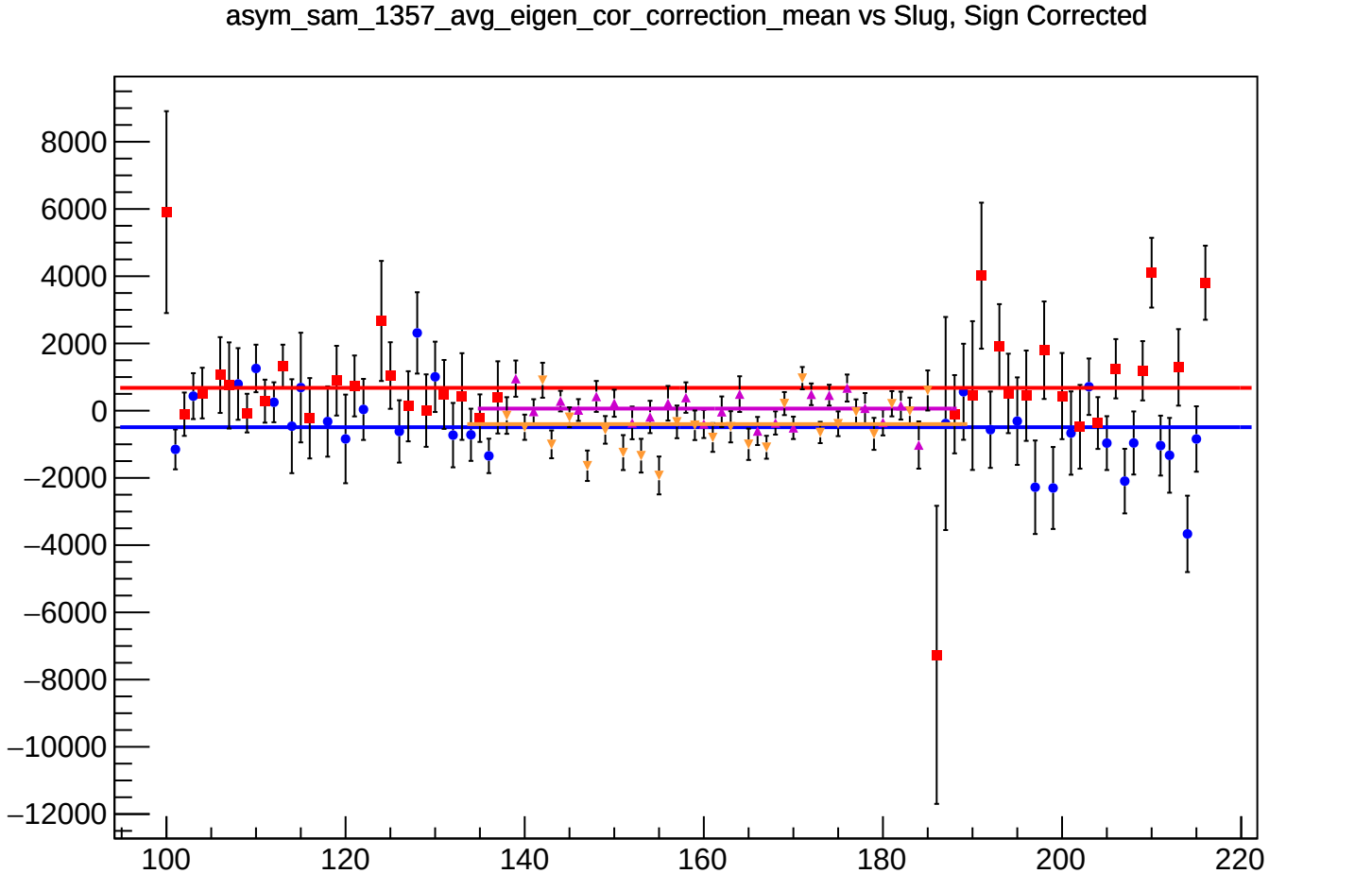
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 66.913+/-0.008 χ^2/NDF: 12591251.8/65

In: 56.149+/-0.007 χ^2/NDF:7395292.3/53

Out: 55.332+/-0.007 χ^2/NDF:8863880.9/59

All: 55.730+/-0.005 χ^2/NDF: 16266423.6/113



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: 678.721+/-167.548 χ^2/NDF: 42.6/34

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

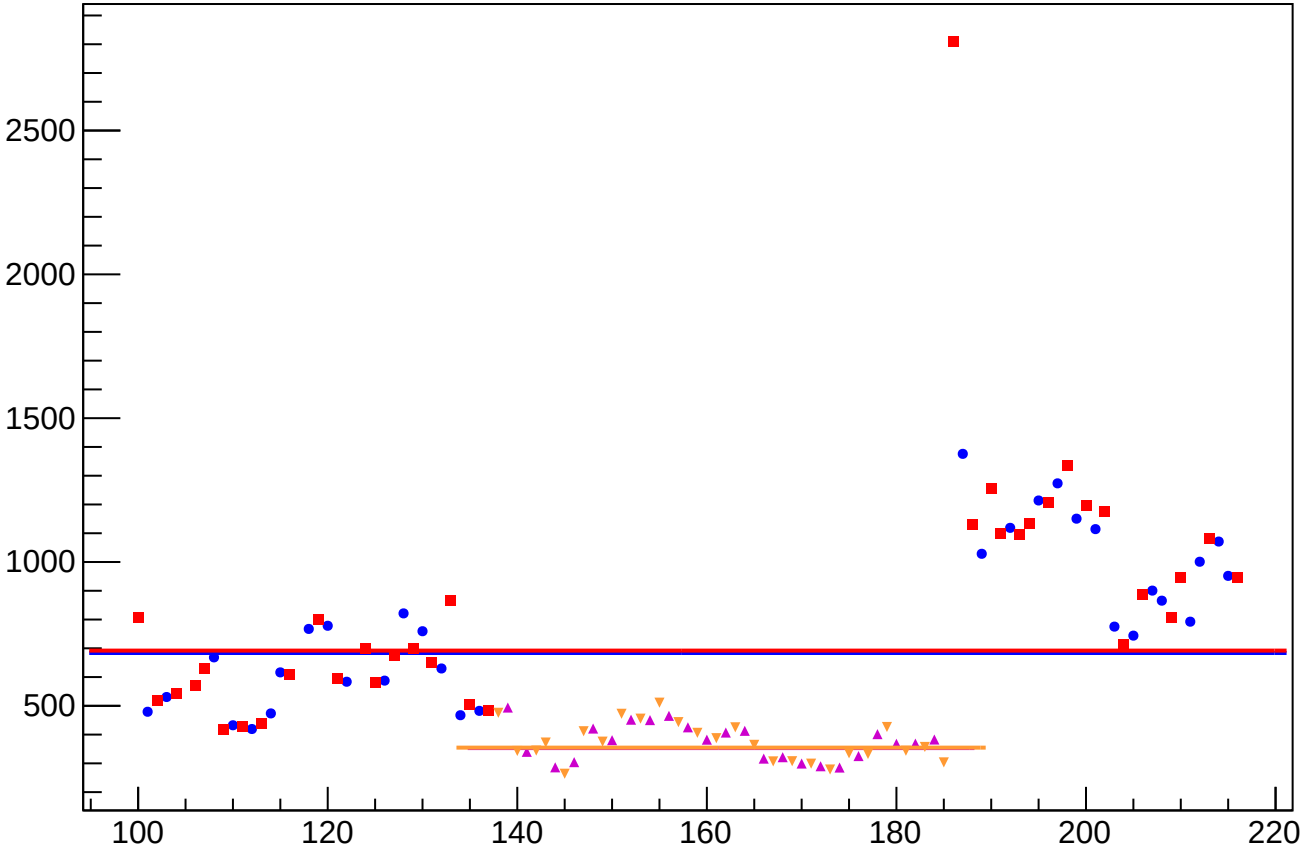
Right: 86.345+/-117.755 χ^2/NDF: 109.6/65

In: -51.158+/-74.831 χ^2/NDF:75.1/53

Out: -190.771+/-73.698 χ^2/NDF:141.4/59

All: -122.029+/-52.508 χ^2/NDF: 218.3/113

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 692.000+/-0.118 χ^2/NDF: 5036512.9/34

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

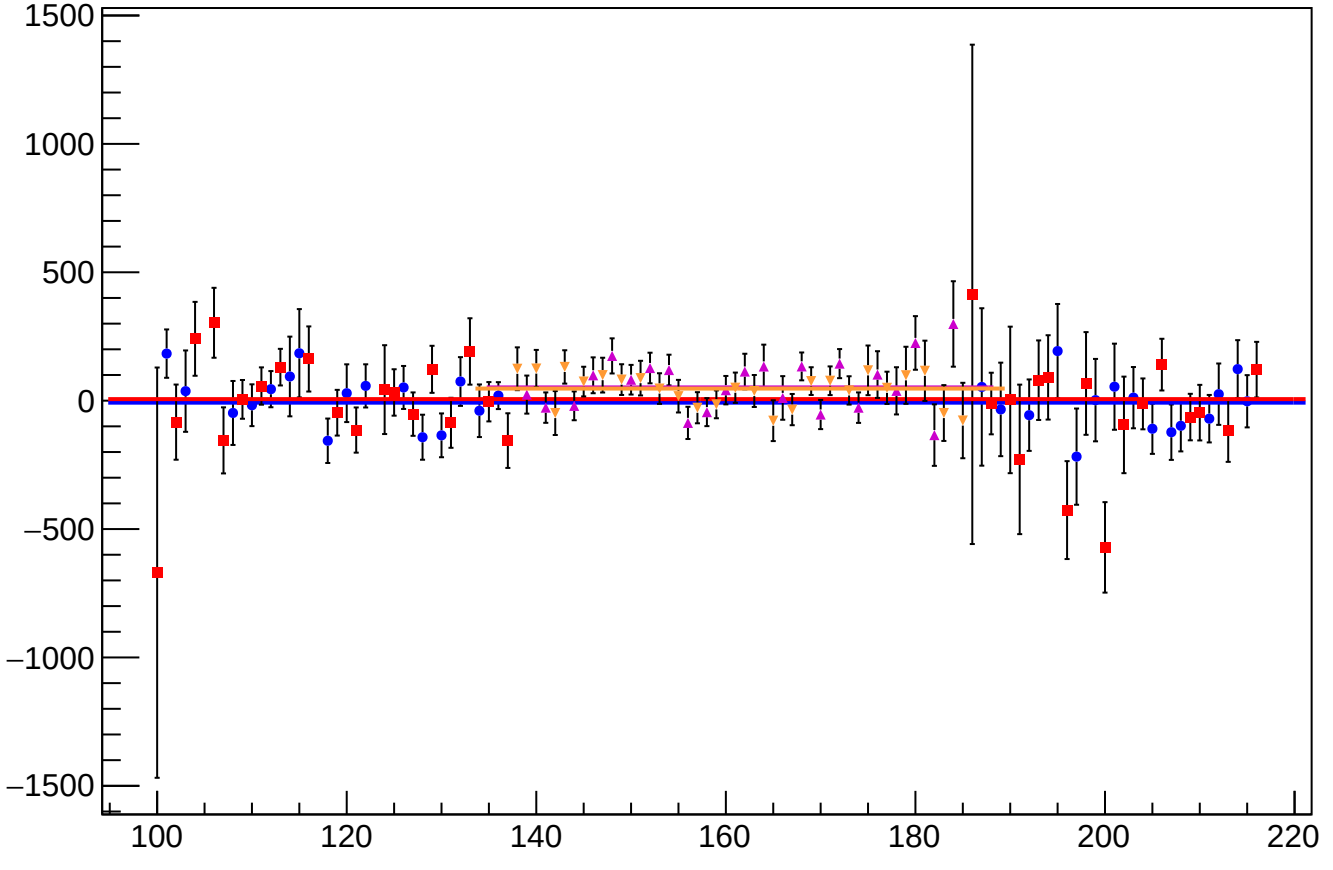
Right: 687.804+/-0.083 χ^2/NDF: 9168782.2/65

In: 420.671+/-0.053 χ^2/NDF:11481136.4/53

Out: 419.937+/-0.052 χ^2/NDF:12720477.5/59

All: 420.298+/-0.037 χ^2/NDF: 24201711.7/11

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



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: 6.063+/-18.980 χ^2/NDF: 47.2/34

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

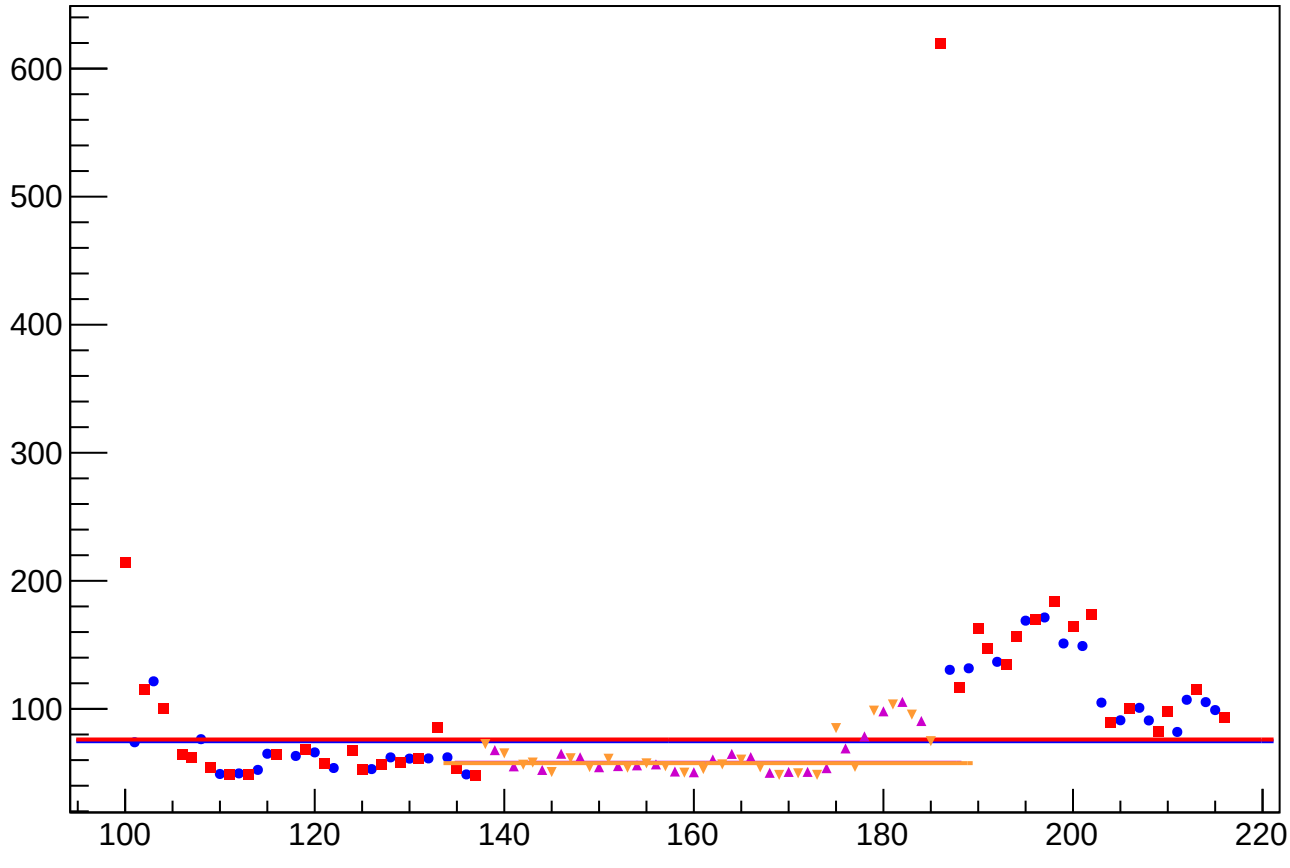
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -1.020+/-13.242 χ^2/NDF: 71.6/65

In: 30.131+/-11.126 χ^2/NDF:68.9/53

Out: 33.332+/-11.007 χ^2/NDF:67.3/59

All: 31.749+/-7.825 χ^2/NDF: 136.3/113



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: 76.099+/-0.013 χ^2/NDF: 6375675.6/34

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

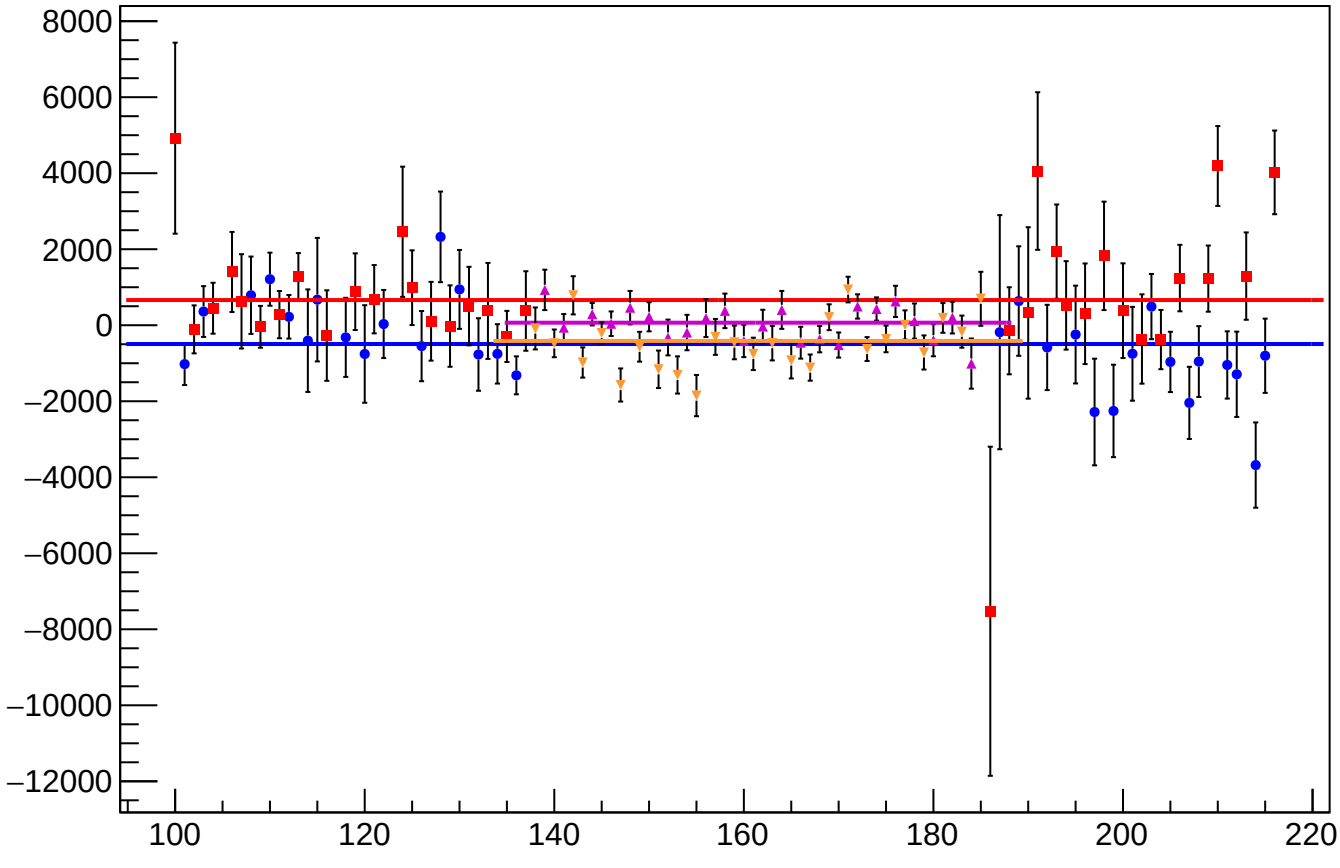
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 75.409+/-0.009 χ^2/NDF: 11350325.6/65

In: 64.034+/-0.008 χ^2/NDF:7149587.3/53

Out: 63.842+/-0.008 χ^2/NDF:8997752.5/59

All: 63.937+/-0.006 χ^2/NDF: 16147640.3/113



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: 662.594+/-163.104 χ^2/NDF: 45.7/34

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

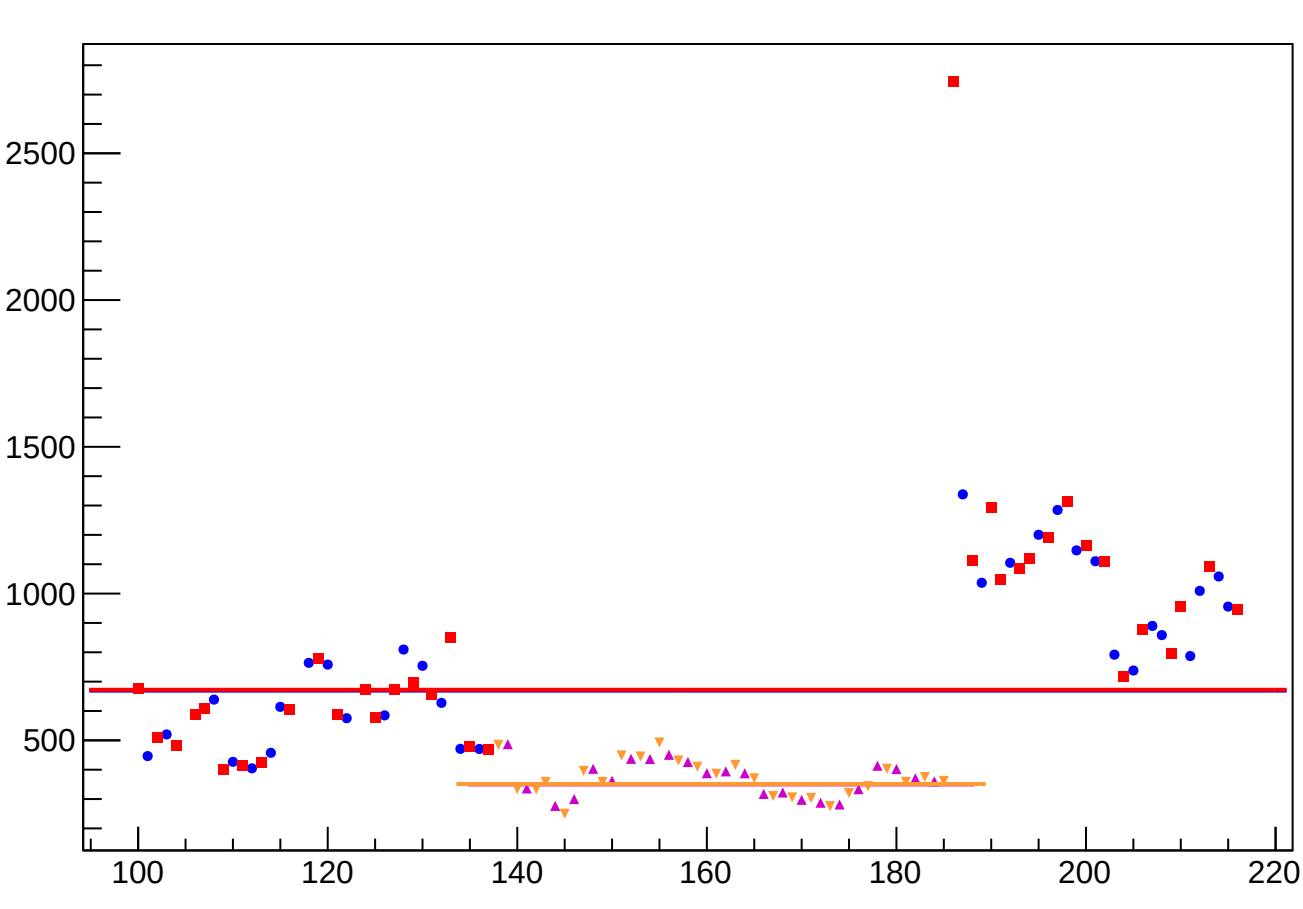
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 82.601+/-115.172 χ^2/NDF: 112.0/65

In: -49.410+/-73.988 χ^2/NDF:73.4/53

Out: -199.686+/-72.643 χ^2/NDF:141.8/59

All: -125.926+/-51.835 χ^2/NDF: 217.4/113



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: 672.262+/-0.115 χ^2/NDF: 5301092.7/34

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

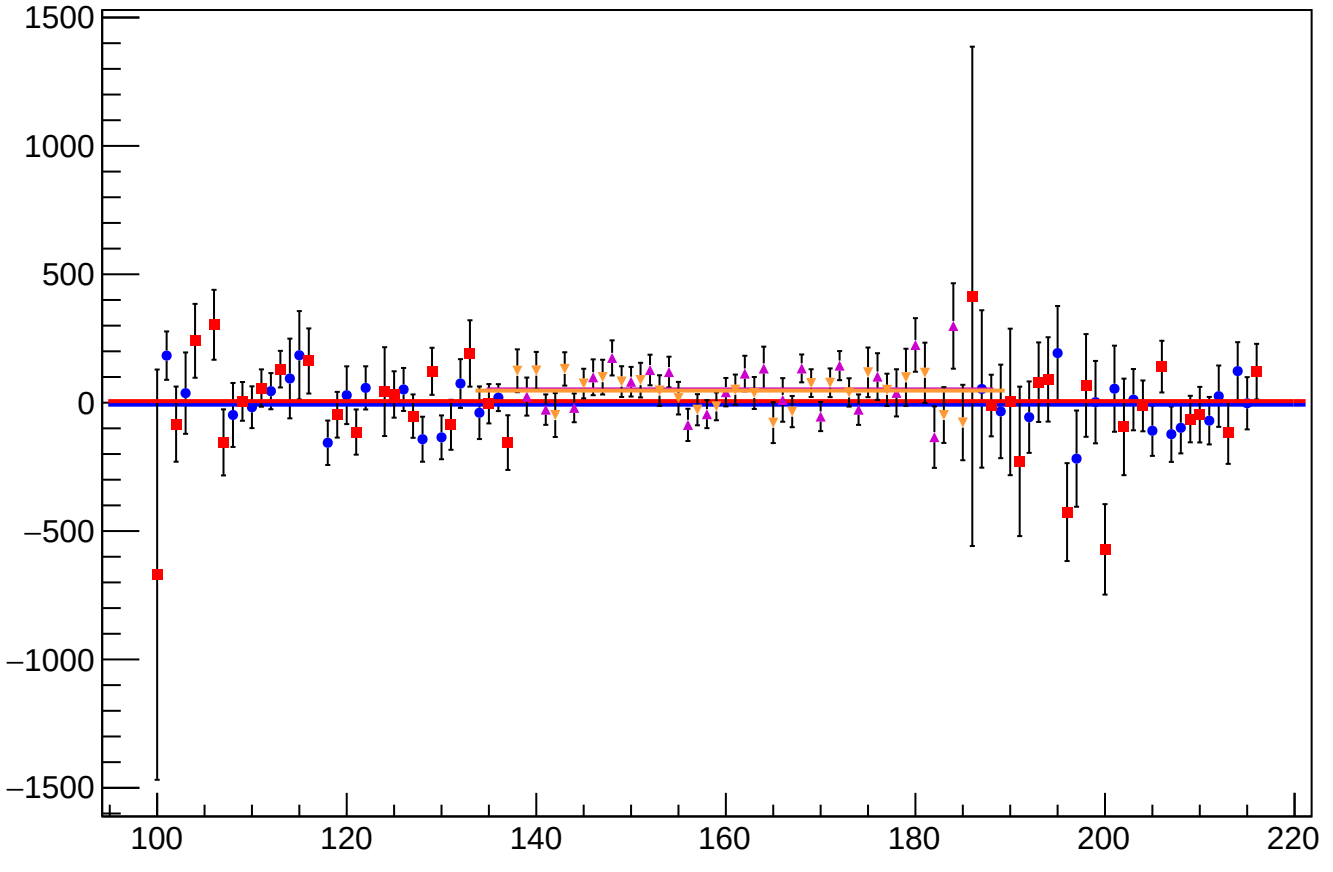
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 670.839+/-0.081 χ^2/NDF: 9697296.1/65

In: 415.947+/-0.052 χ^2/NDF:11510719.9/53

Out: 414.938+/-0.051 χ^2/NDF:12629218.3/59

All: 415.433+/-0.037 χ^2/NDF: 24140127.8/11



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: 6.061+/-18.980 χ^2/NDF: 47.2/34

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

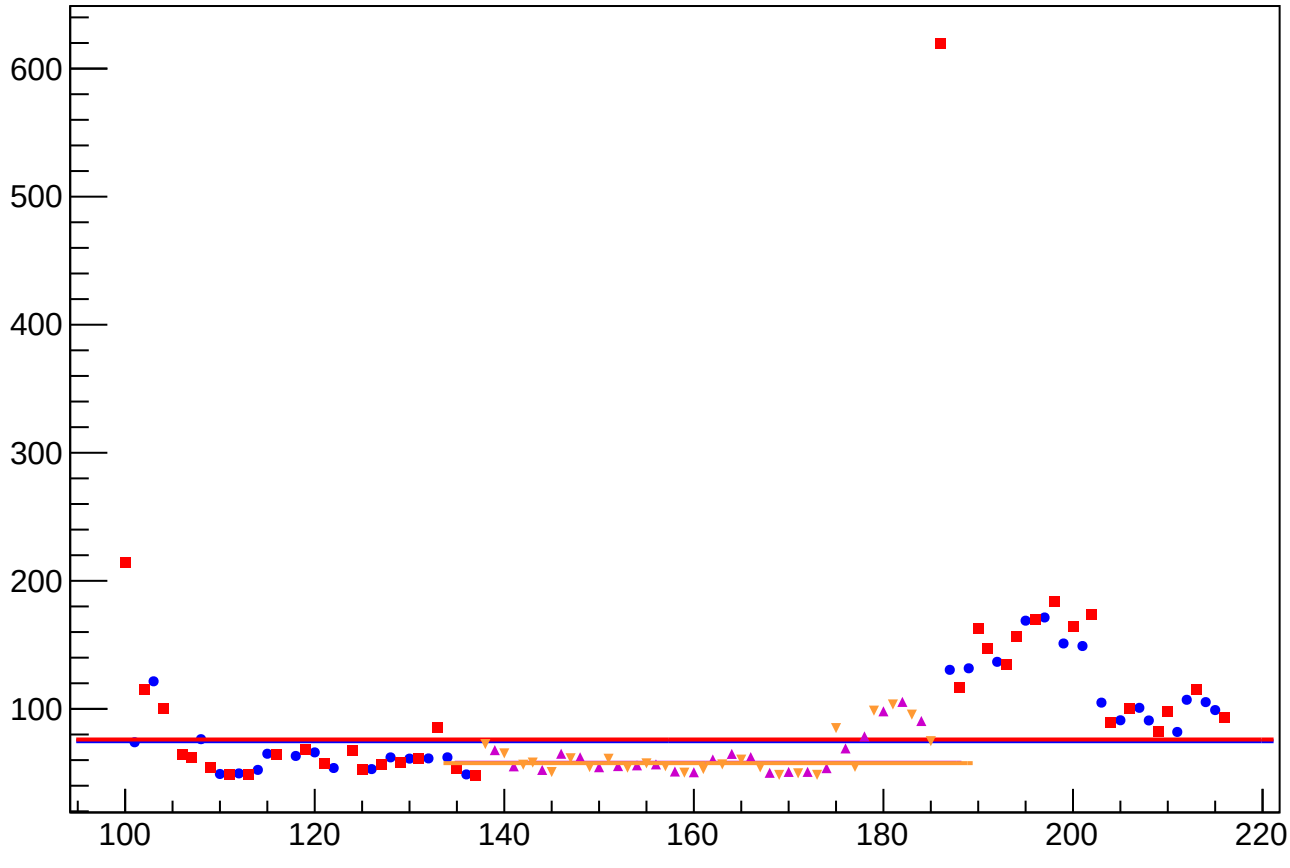
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -1.020+/-13.242 χ^2/NDF: 71.6/65

In: 30.131+/-11.126 χ^2/NDF:68.9/53

Out: 33.332+/-11.007 χ^2/NDF:67.3/59

All: 31.748+/-7.825 χ^2/NDF: 136.3/113



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: 76.099+/-0.013 χ^2/NDF: 6375655.9/34

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

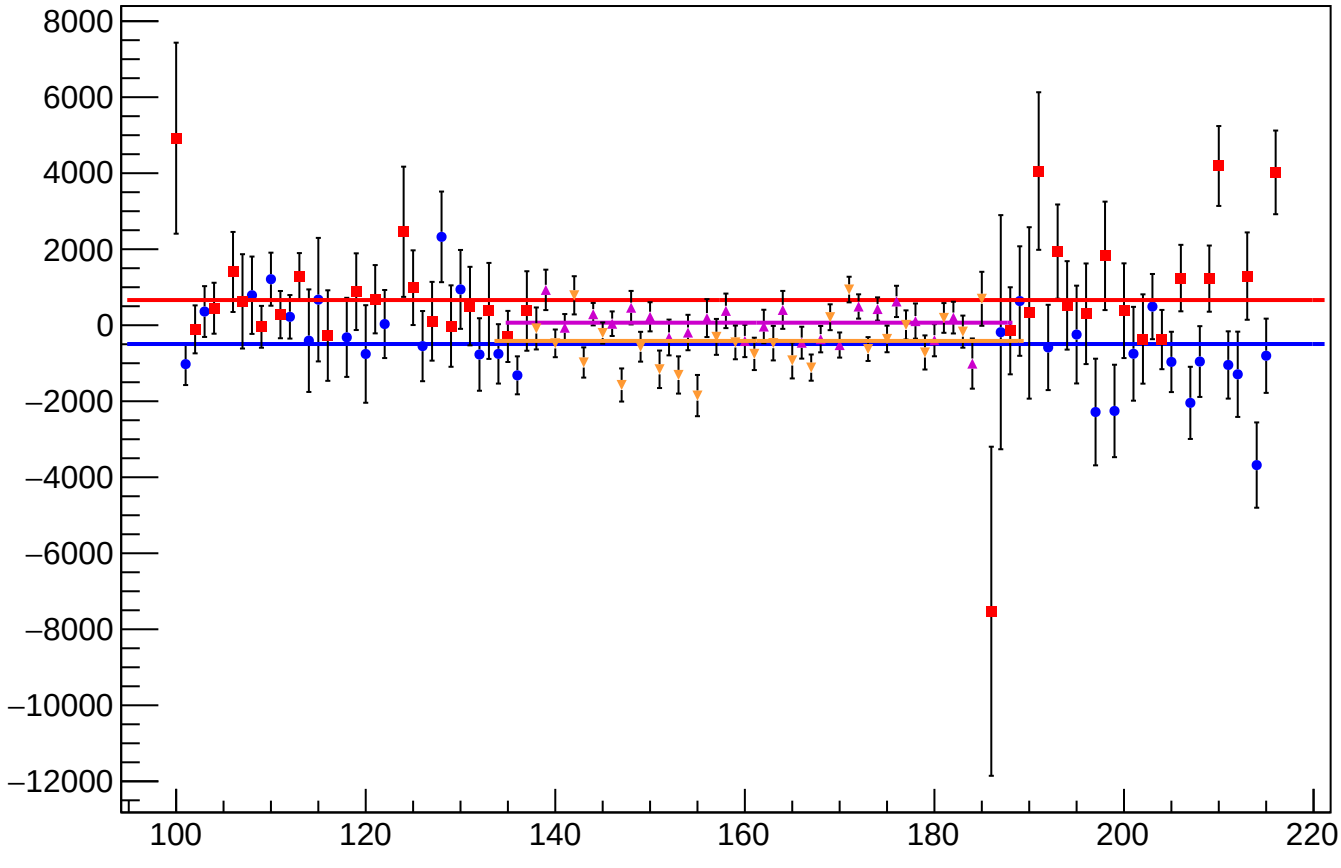
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 75.409+/-0.009 χ^2/NDF: 11350280.9/65

In: 64.034+/-0.008 χ^2/NDF:7149542.8/53

Out: 63.842+/-0.008 χ^2/NDF:8997727.0/59

All: 63.937+/-0.006 χ^2/NDF: 16147570.2/113



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: 662.592+/-163.104 χ^2/NDF: 45.7/34

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

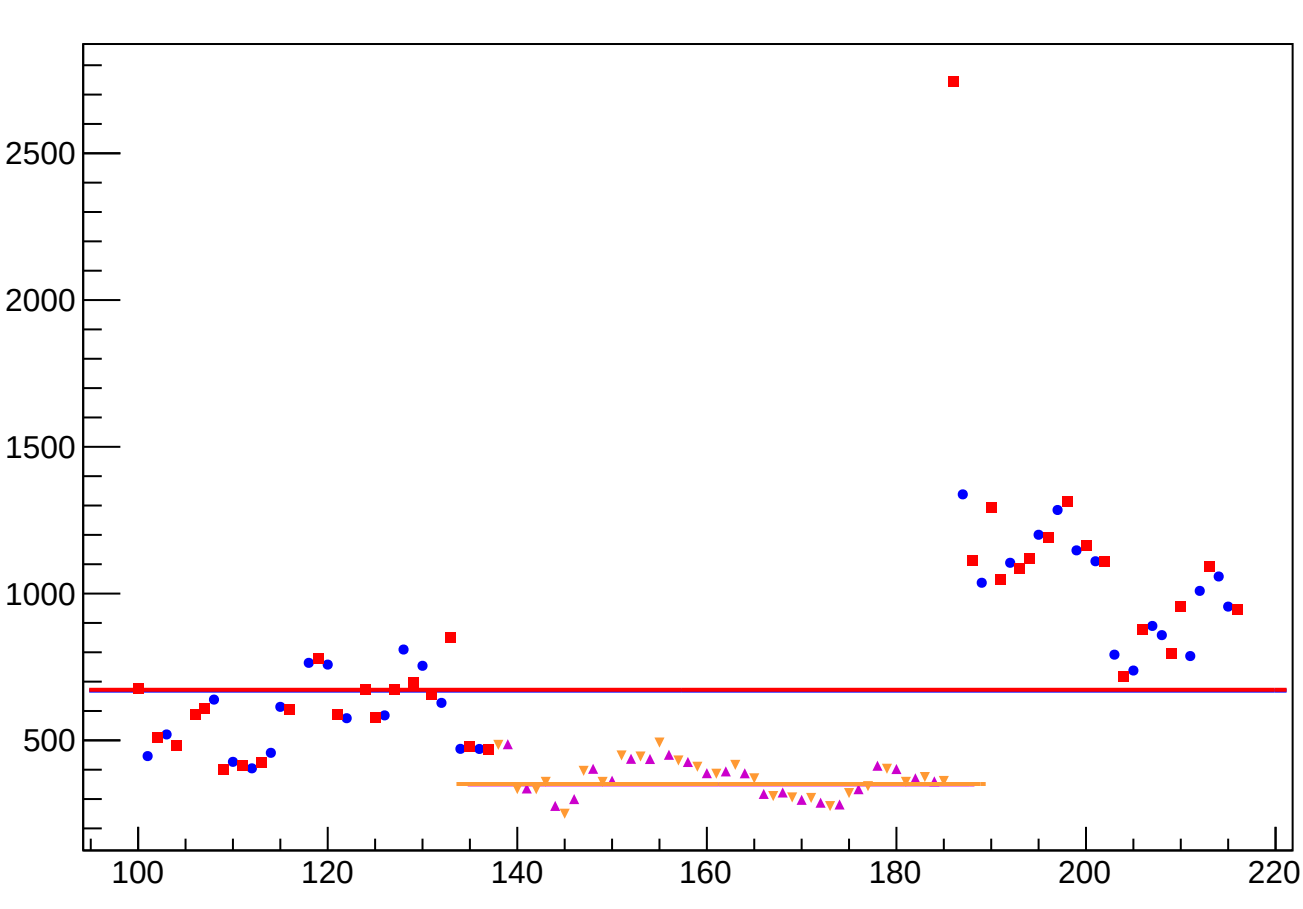
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 82.601+/-115.172 χ^2/NDF: 112.0/65

In: -49.410+/-73.988 χ^2/NDF:73.4/53

Out: -199.685+/-72.643 χ^2/NDF:141.8/59

All: -125.926+/-51.835 χ^2/NDF: 217.4/113



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: 672.260+/-0.115 χ^2/NDF: 5301100.6/34

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

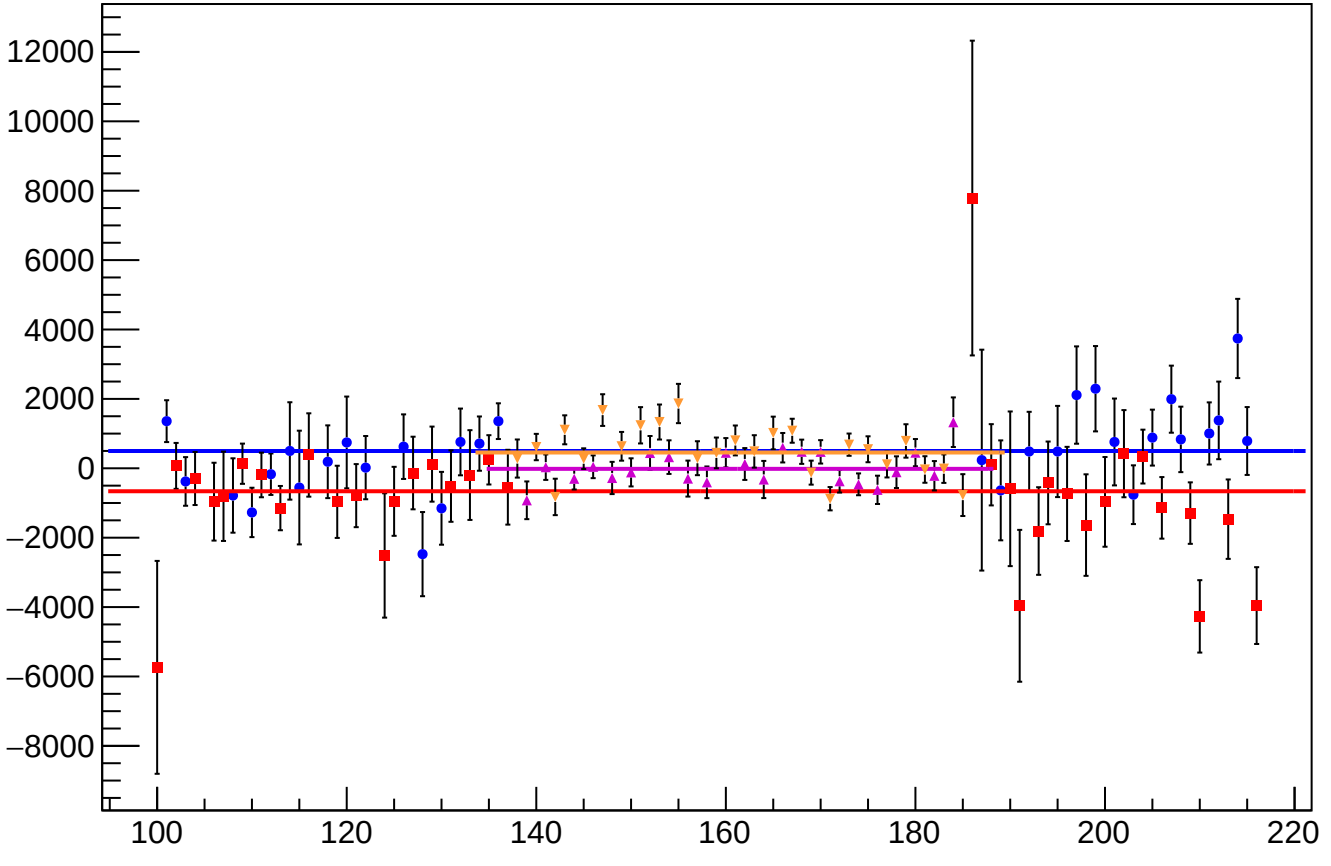
Right: 670.838+/-0.081 χ^2/NDF: 9697316.2/65

In: 415.947+/-0.052 χ^2/NDF:11510704.8/53

Out: 414.937+/-0.051 χ^2/NDF:12629206.5/59

All: 415.433+/-0.037 χ^2/NDF: 24140100.9/11

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: -661.616+/-168.729 χ^2/NDF: 43.9/34

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

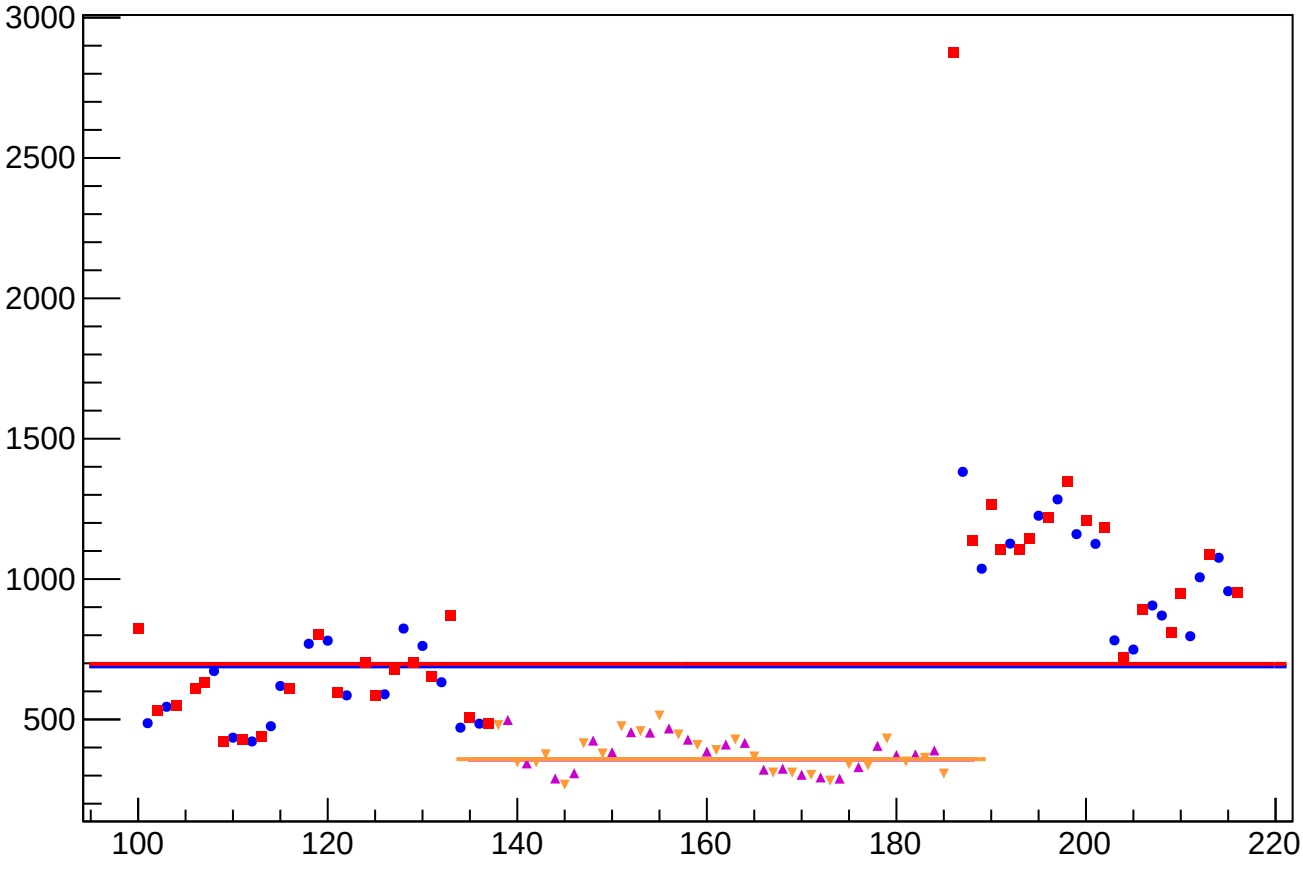
Right: -74.971+/-118.619 χ^2/NDF: 110.7/65

In: 89.634+/-75.613 χ^2/NDF:75.3/53

Out: 237.801+/-74.448 χ^2/NDF:140.0/59

All: 164.867+/-53.050 χ^2/NDF: 217.3/113

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: 697.875+/-0.119 χ^2/NDF: 5017973.1/34

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

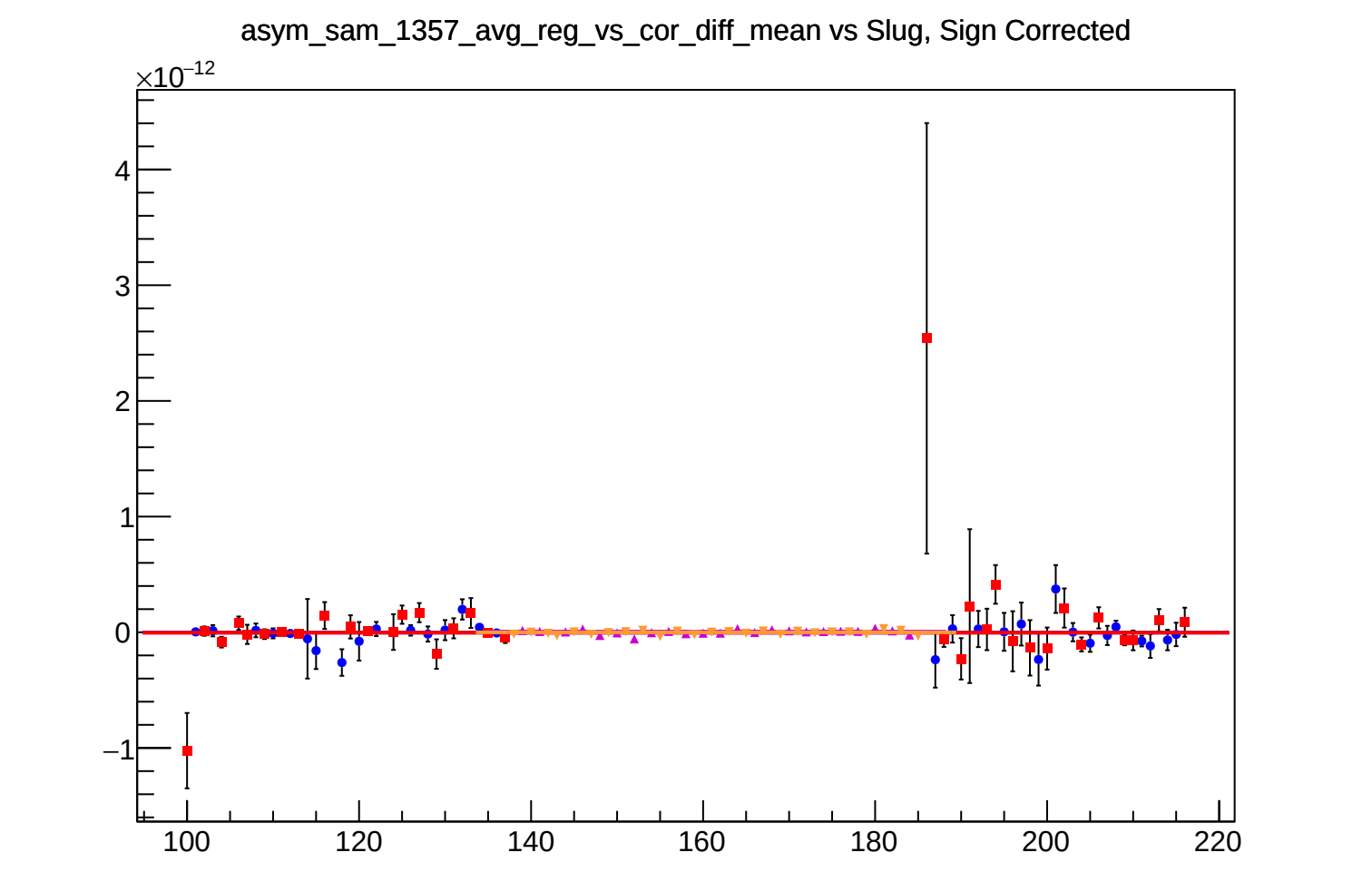
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 693.442+/-0.084 χ^2/NDF: 9128887.4/65

In: 425.397+/-0.053 χ^2/NDF:11382728.9/53

Out: 424.713+/-0.053 χ^2/NDF:12646675.7/59

All: 425.050+/-0.038 χ^2/NDF: 24029487.7/11



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: 52.7/34

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

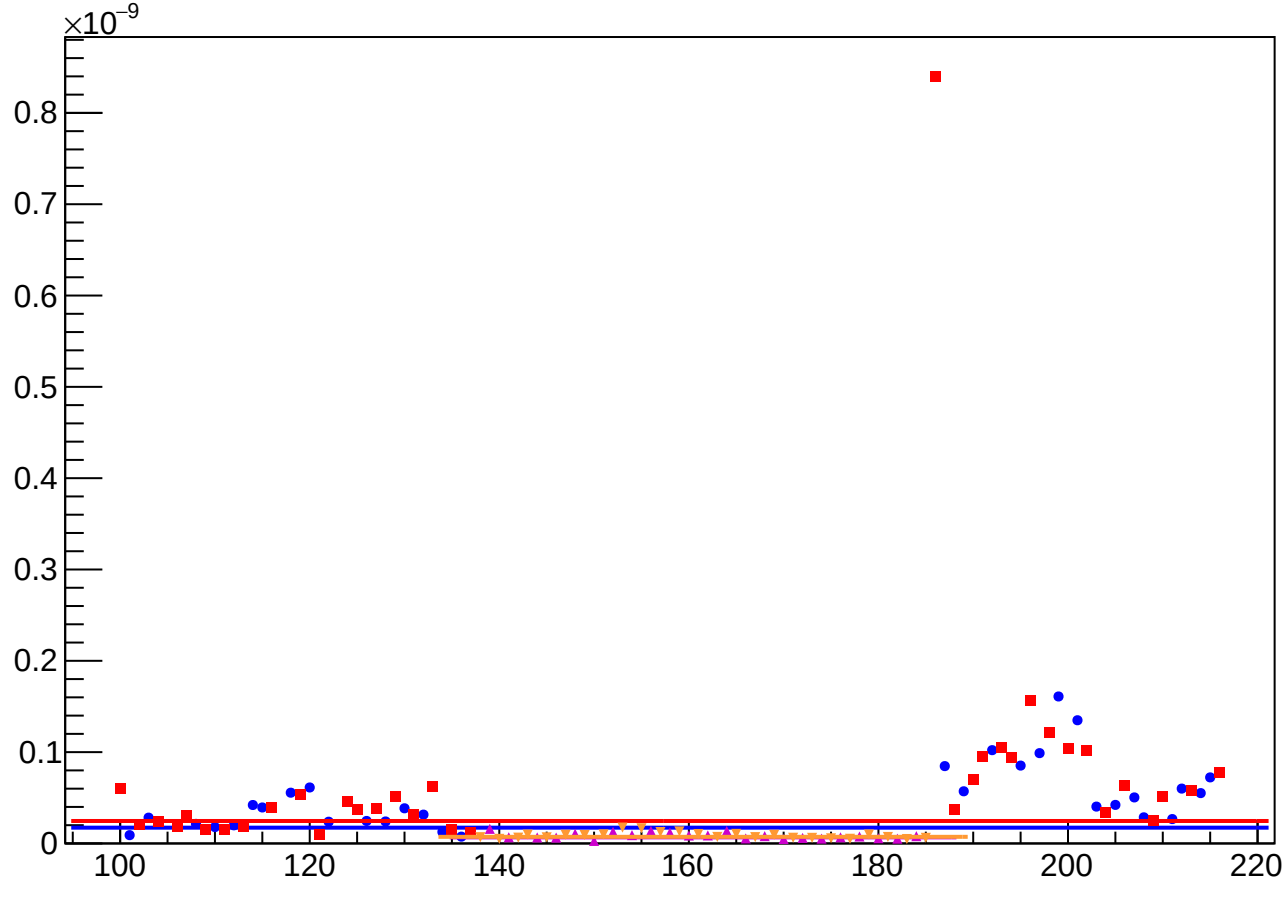
Right: -0.000+/-0.000 χ^2/NDF: 78.9/65

In: 0.000+/-0.000 χ^2/NDF:55.6/53

Out: -0.000+/-0.000 χ^2/NDF:70.9/59

All: 0.000+/-0.000 χ^2/NDF: 128.7/113

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7574734.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5972613.6/34

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

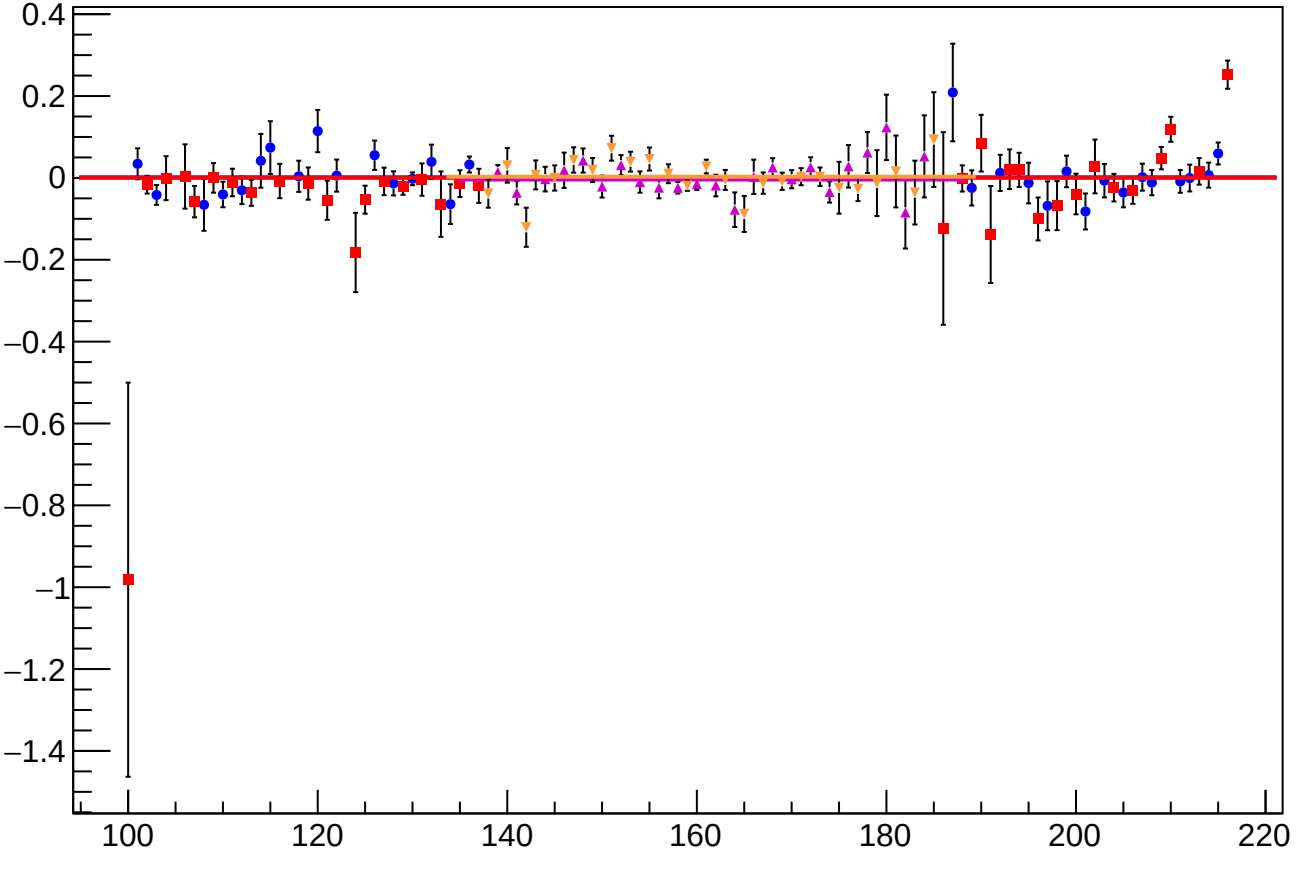
Right: 0.000+/-0.000 χ^2/NDF: 14110815.1/65

In: 0.000+/-0.000 χ^2/NDF:12171815.8/53

Out: 0.000+/-0.000 χ^2/NDF:12157921.4/59

All: 0.000+/-0.000 χ^2/NDF: 24385035.1/113

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: 0.001+/-0.007 χ^2/NDF: 100.7/34

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

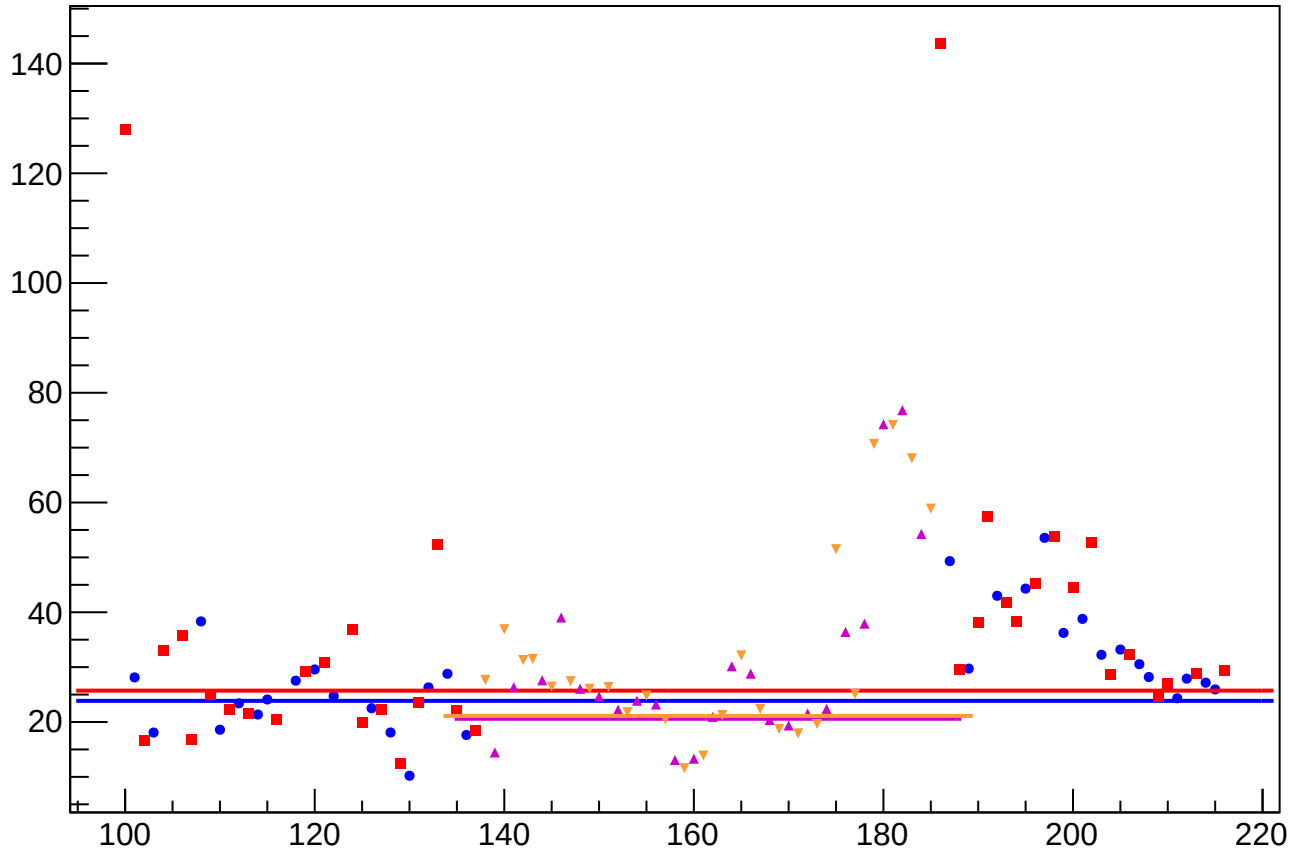
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: 0.001+/-0.004 χ^2/NDF: 137.5/65

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: 0.002+/-0.004 χ^2/NDF:133.6/59

All: 0.000+/-0.003 χ^2/NDF: 195.7/113



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: 25.718+/-0.005 χ^2/NDF: 4591951.3/34

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

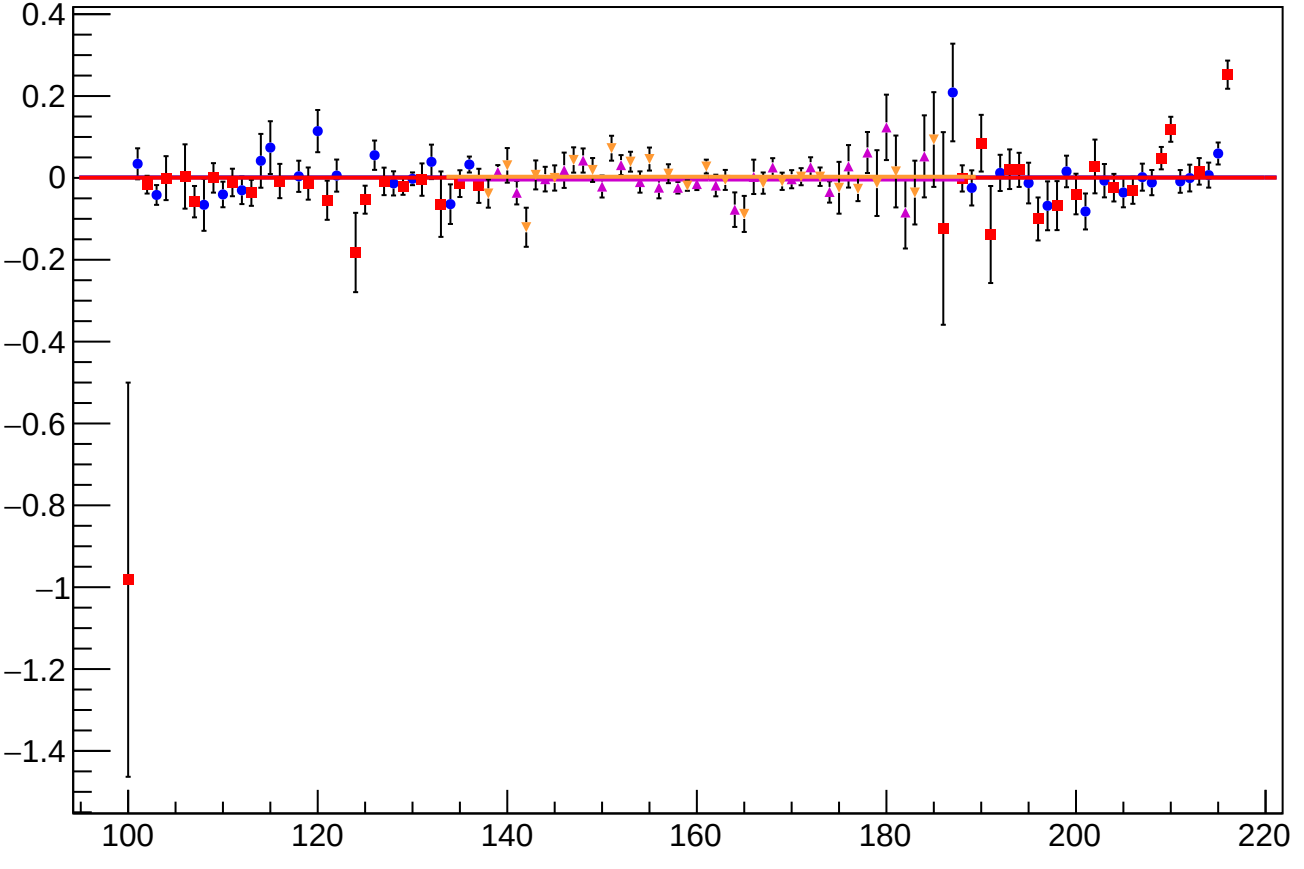
Right: 24.716+/-0.003 χ^2/NDF: 9053973.5/65

In: 22.053+/-0.003 χ^2/NDF:9296371.5/53

Out: 23.008+/-0.003 χ^2/NDF:10727425.2/59

All: 22.514+/-0.002 χ^2/NDF: 20077817.2/113

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: 0.001+/-0.007 χ^2/NDF: 100.7/34

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

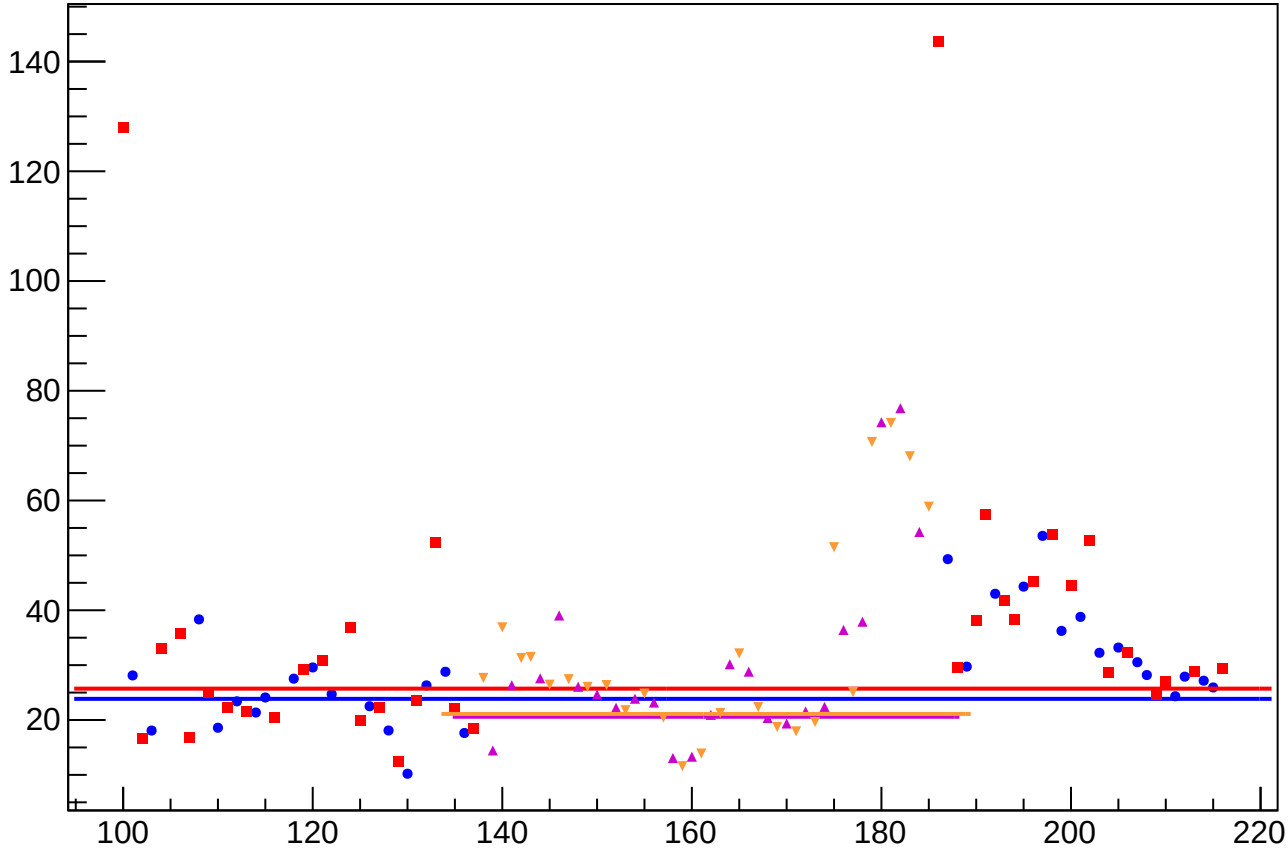
Right: 0.001+/-0.004 χ^2/NDF: 137.5/65

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: 0.002+/-0.004 χ^2/NDF:133.6/59

All: 0.000+/-0.003 χ^2/NDF: 195.7/113

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: 25.718+/-0.005 χ^2/NDF: 4591951.3/34

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

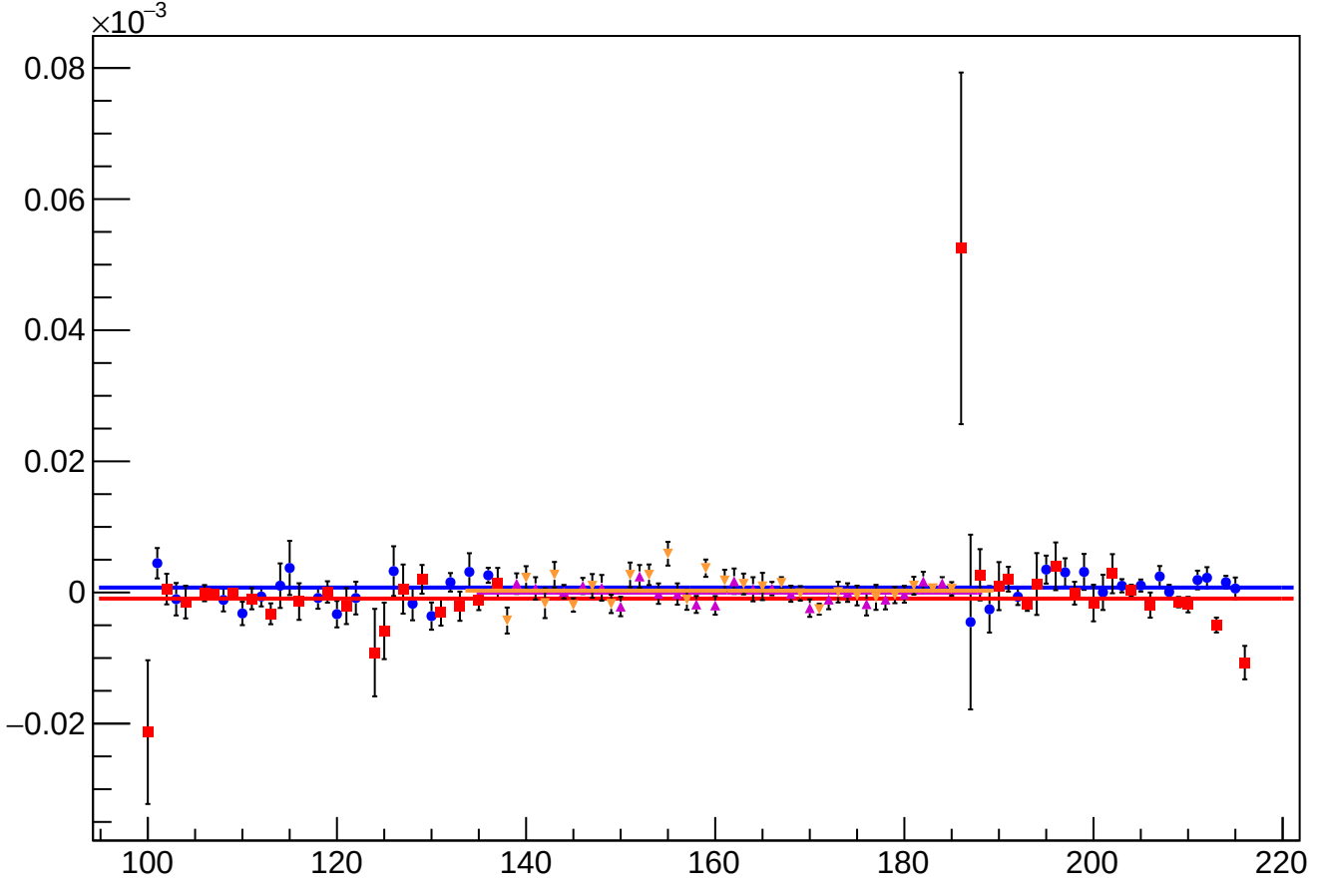
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.716+/-0.003 χ^2/NDF: 9053973.5/65

In: 22.053+/-0.003 χ^2/NDF:9296371.5/53

Out: 23.008+/-0.003 χ^2/NDF:10727425.2/59

All: 22.514+/-0.002 χ^2/NDF: 20077817.2/113



Right In: 0.000+/-0.000 χ^2/NDF: 35.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 59.8/34

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

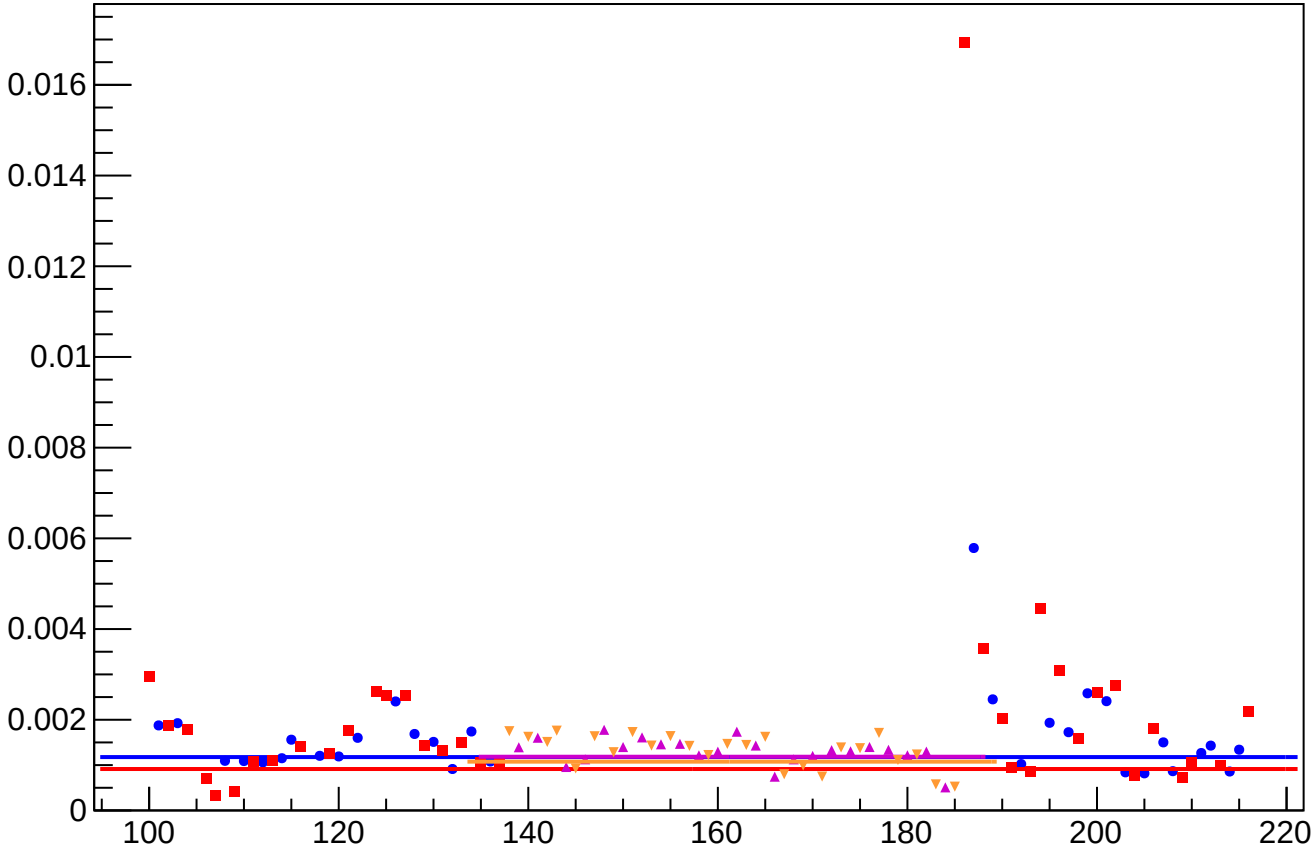
Right: -0.000+/-0.000 χ^2/NDF: 113.5/65

In: 0.000+/-0.000 χ^2/NDF:58.5/53

Out: -0.000+/-0.000 χ^2/NDF:123.5/59

All: -0.000+/-0.000 χ^2/NDF: 188.4/113

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 11691605.5/34

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

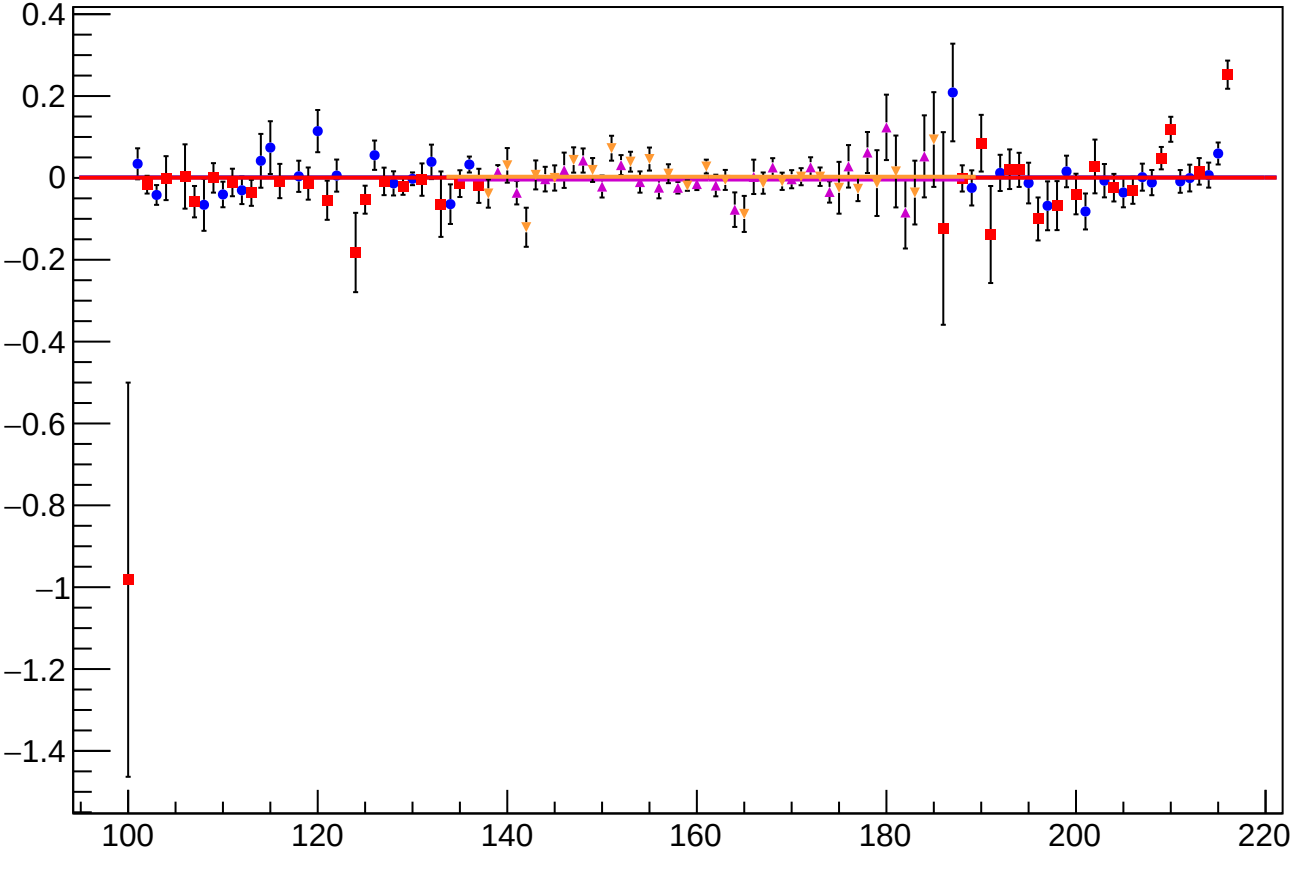
Right: 0.001+/-0.000 χ^2/NDF: 16481860.2/65

In: 0.001+/-0.000 χ^2/NDF:6338255.0/53

Out: 0.001+/-0.000 χ^2/NDF:16635163.5/59

All: 0.001+/-0.000 χ^2/NDF: 23910987.3/113

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: 0.001+/-0.007 χ^2/NDF: 100.7/34

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

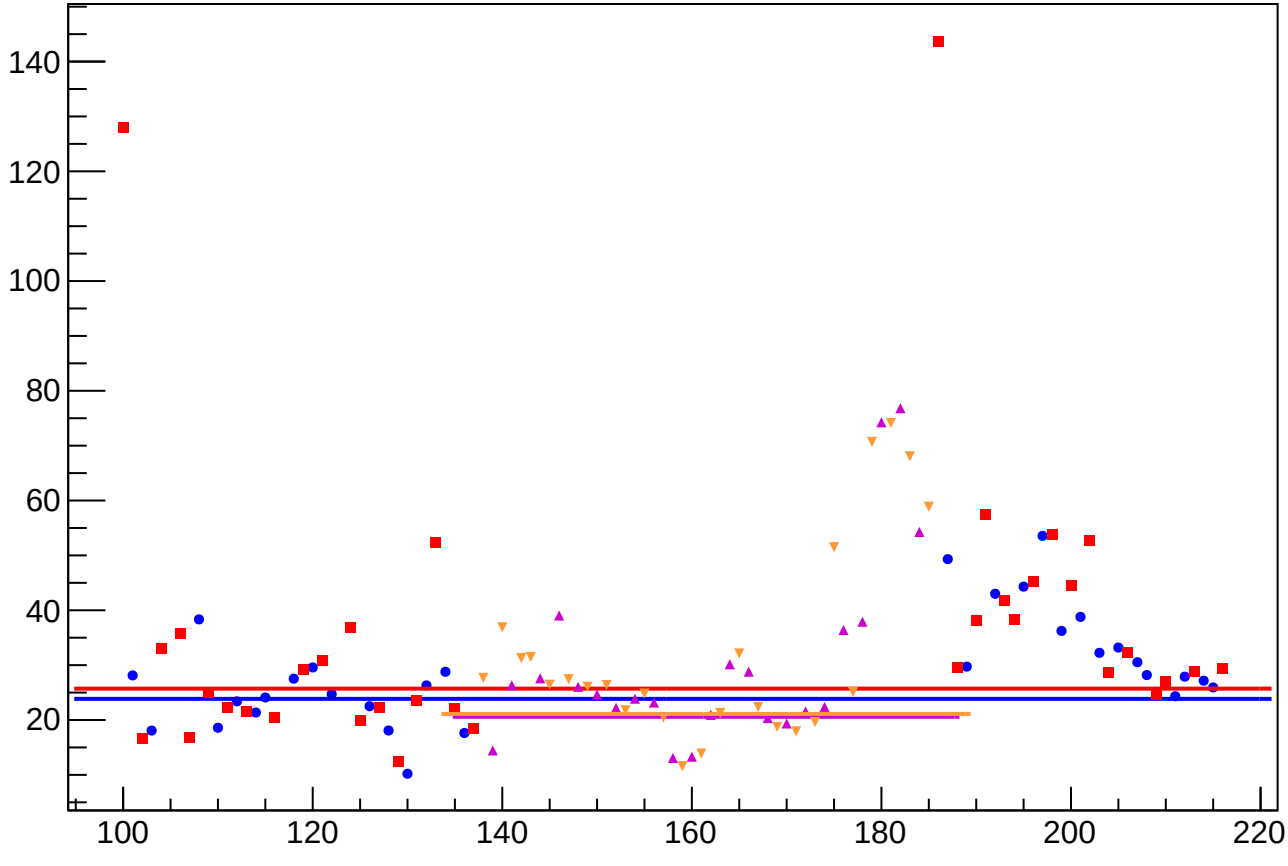
Right: 0.001+/-0.004 χ^2/NDF: 137.5/65

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: 0.002+/-0.004 χ^2/NDF:133.6/59

All: 0.000+/-0.003 χ^2/NDF: 195.7/113

asym_sam_1357_avg_eigen_dit_vs_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: 25.719+/-0.005 χ^2/NDF: 4591911.8/34

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

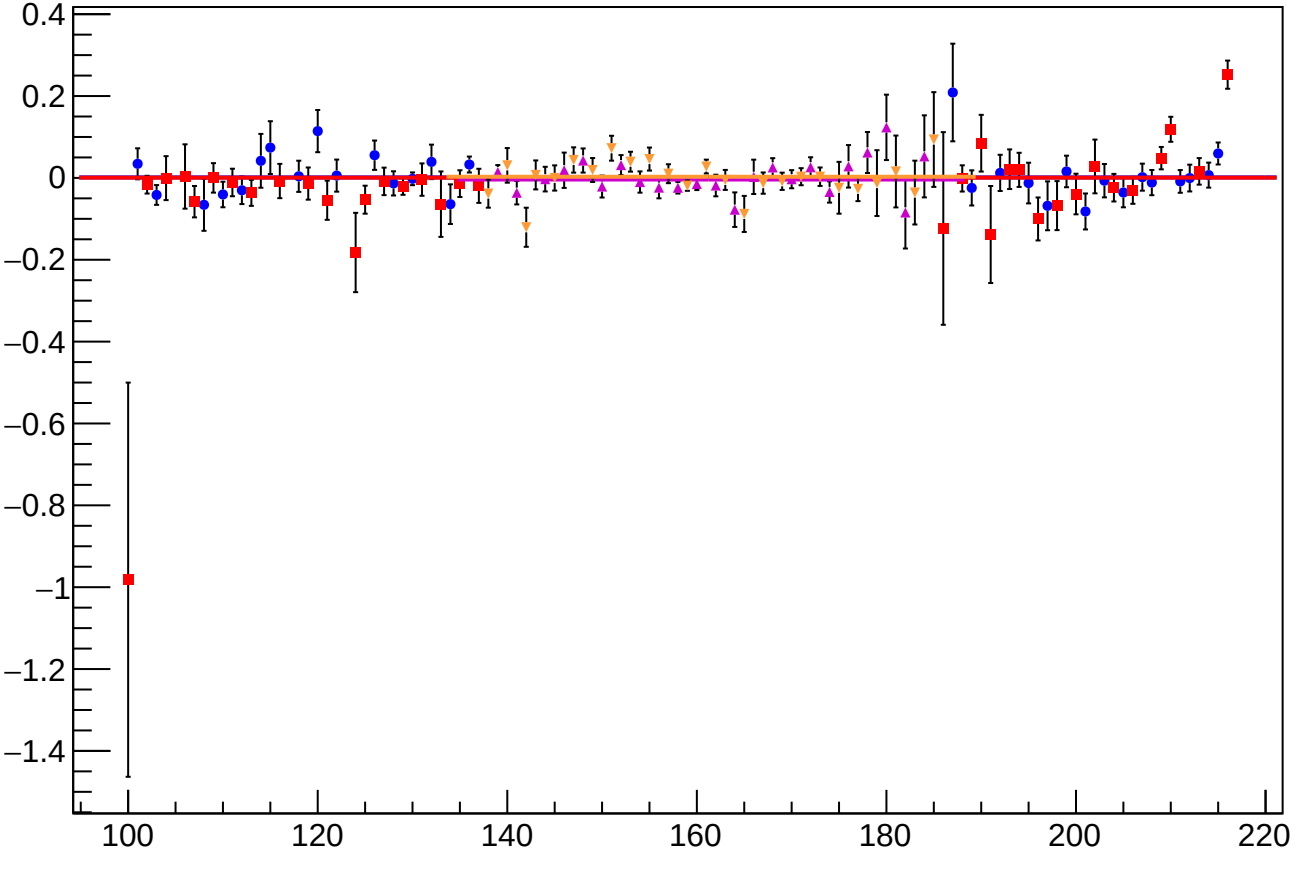
Right: 24.716+/-0.003 χ^2/NDF: 9053623.9/65

In: 22.053+/-0.003 χ^2/NDF:9296113.5/53

Out: 23.008+/-0.003 χ^2/NDF:10727531.4/59

All: 22.514+/-0.002 χ^2/NDF: 20077640.7/113

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: 0.001+/-0.007 χ^2/NDF: 100.7/34

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

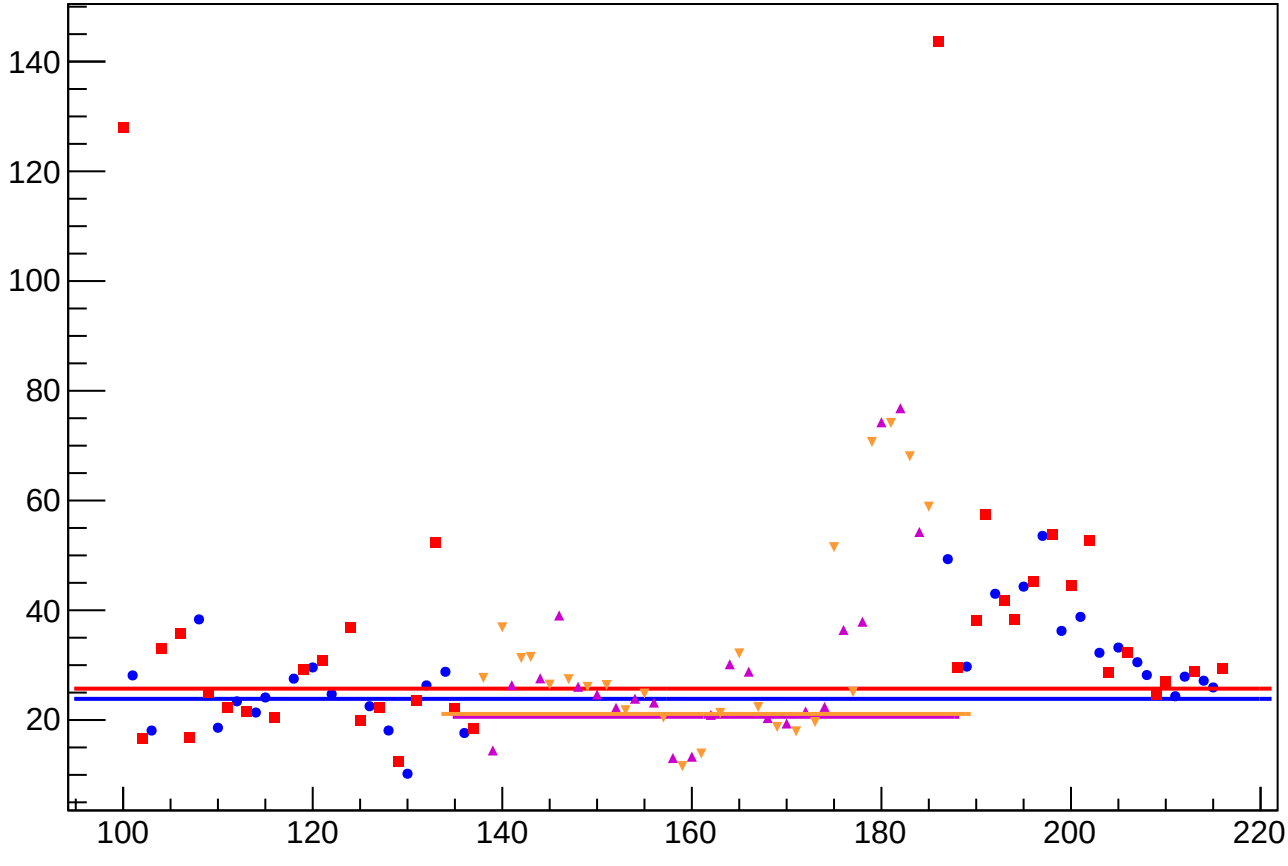
Right: 0.001+/-0.004 χ^2/NDF: 137.5/65

In: -0.002+/-0.004 χ^2/NDF:61.7/53

Out: 0.002+/-0.004 χ^2/NDF:133.6/59

All: 0.000+/-0.003 χ^2/NDF: 195.7/113

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: 25.719+/-0.005 χ^2/NDF: 4591911.8/34

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

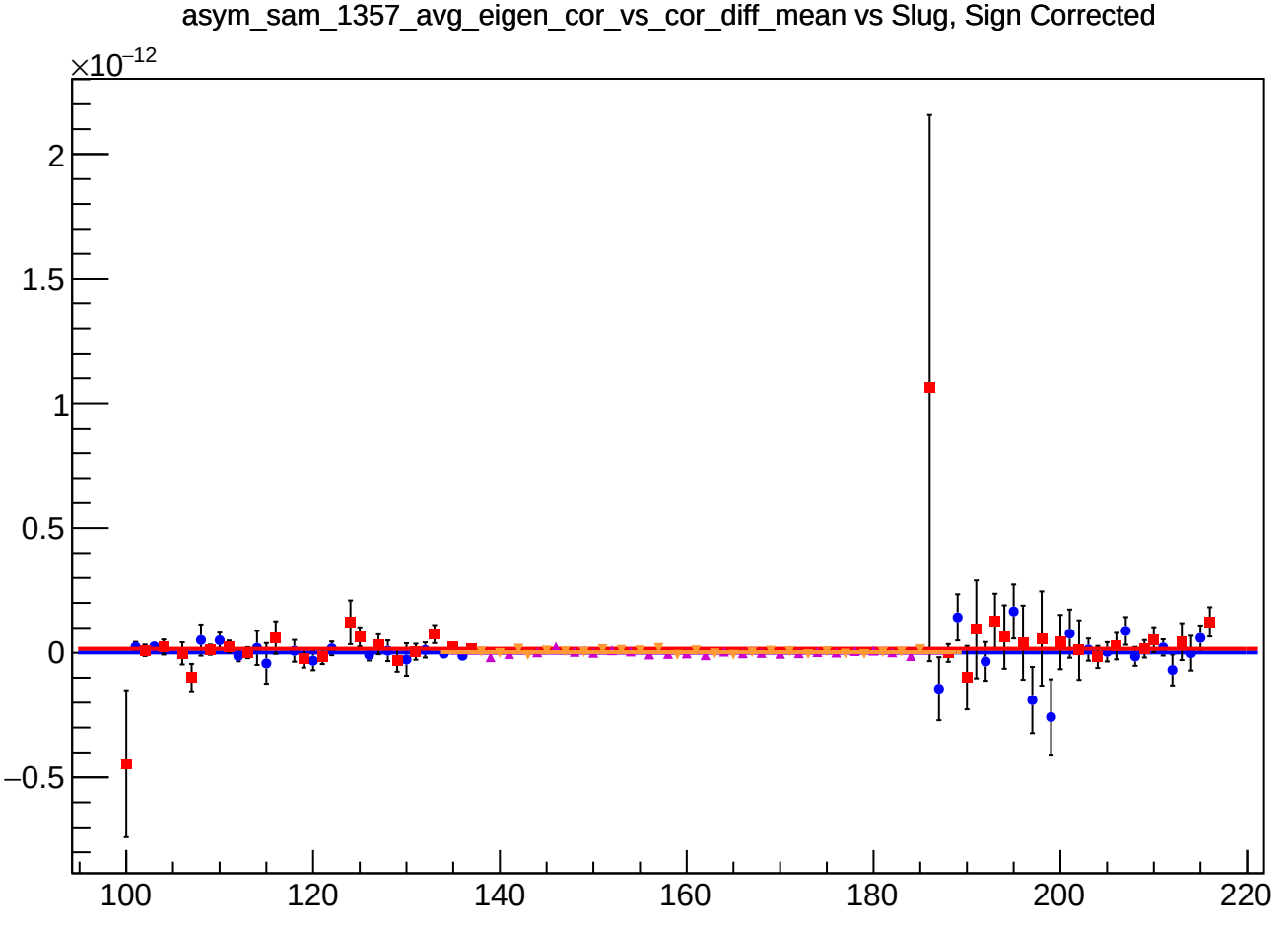
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.716+/-0.003 χ^2/NDF: 9053623.9/65

In: 22.053+/-0.003 χ^2/NDF:9296113.5/53

Out: 23.008+/-0.003 χ^2/NDF:10727531.4/59

All: 22.514+/-0.002 χ^2/NDF: 20077640.7/113



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: 25.8/34

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

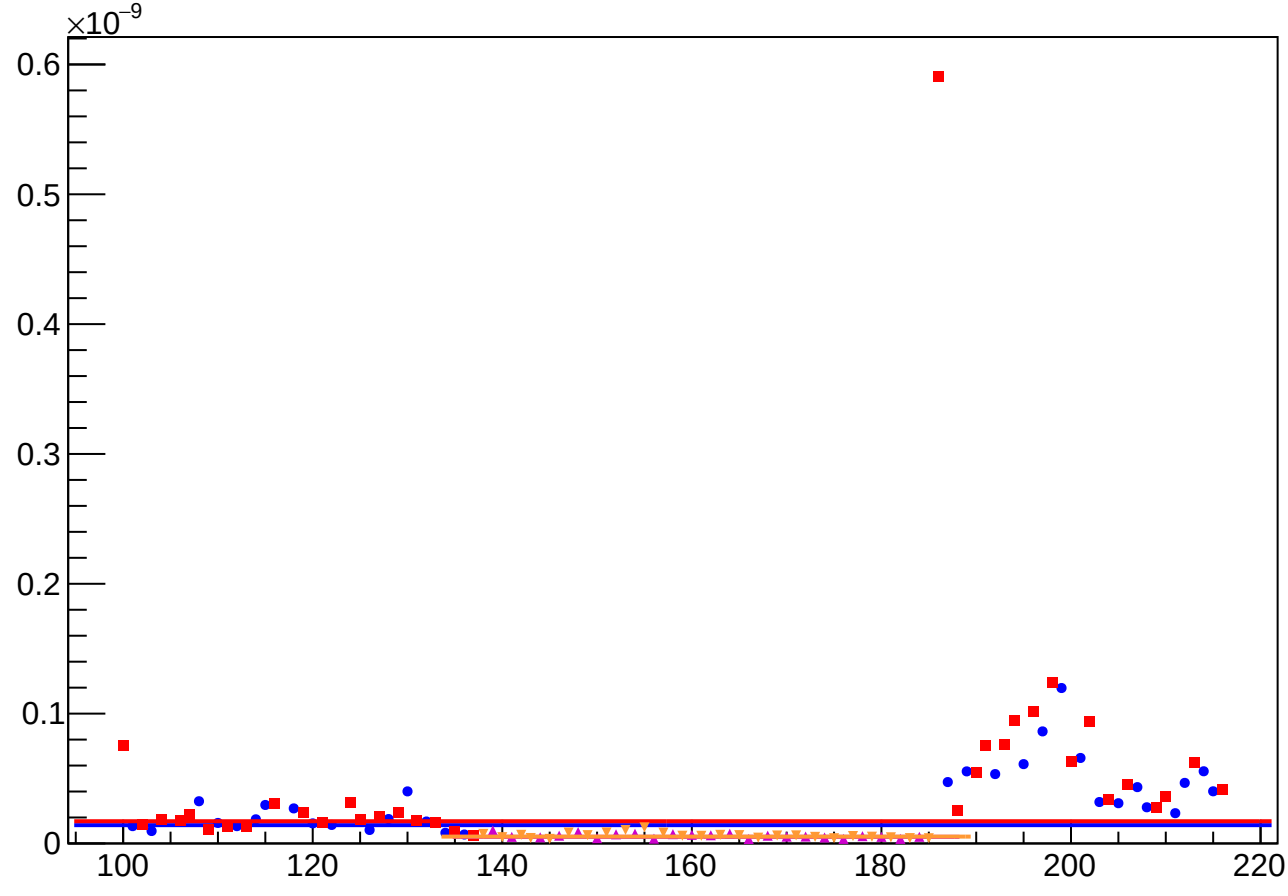
Right: 0.000+/-0.000 χ^2/NDF: 57.3/65

In: 0.000+/-0.000 χ^2/NDF:49.5/53

Out: 0.000+/-0.000 χ^2/NDF:51.1/59

All: 0.000+/-0.000 χ^2/NDF: 102.2/113

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 9241169.6/34

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

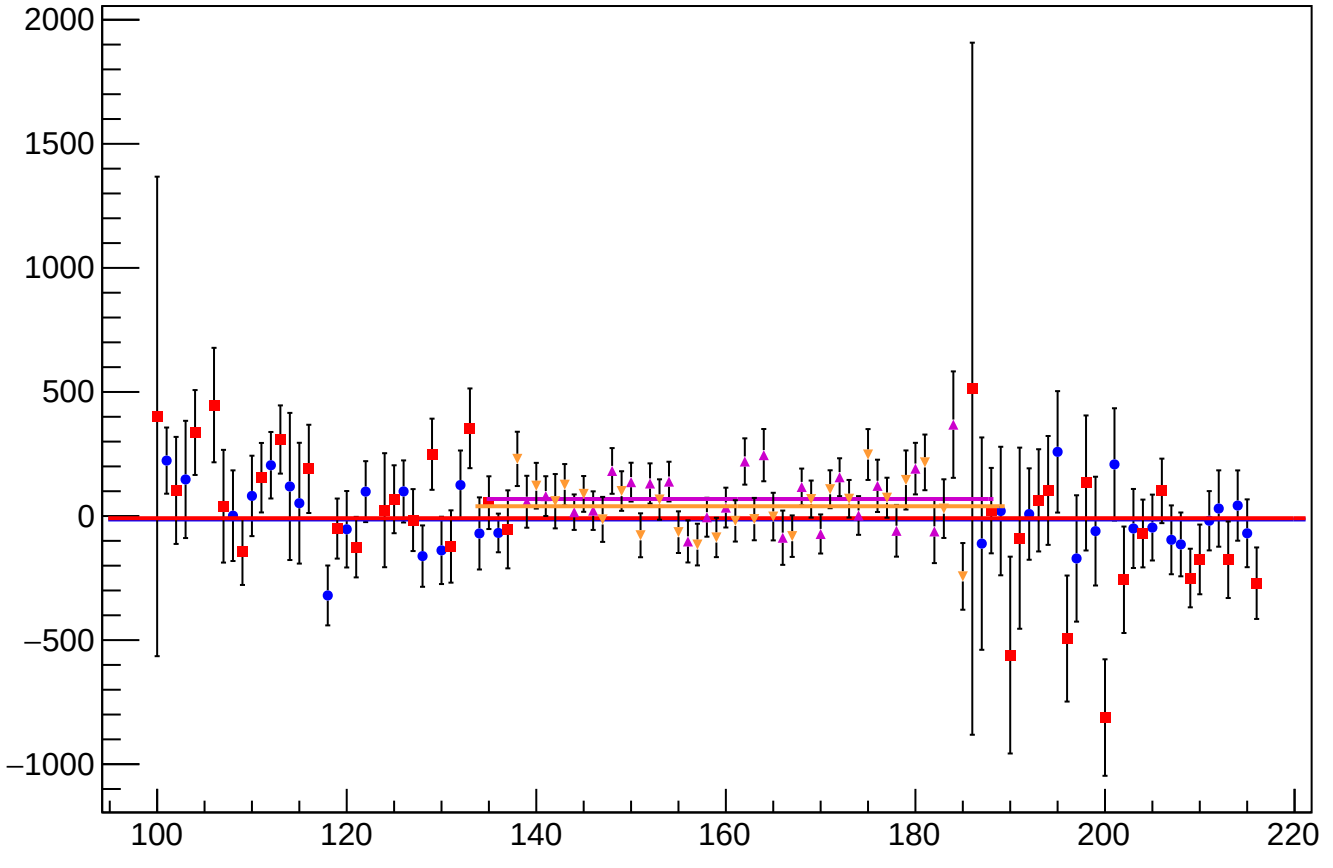
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 19148858.5/65

In: 0.000+/-0.000 χ^2/NDF:16778809.8/53

Out: 0.000+/-0.000 χ^2/NDF:18486374.0/59

All: 0.000+/-0.000 χ^2/NDF: 35279867.7/113



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: -8.787+/-27.644 χ^2/NDF: 58.6/34

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

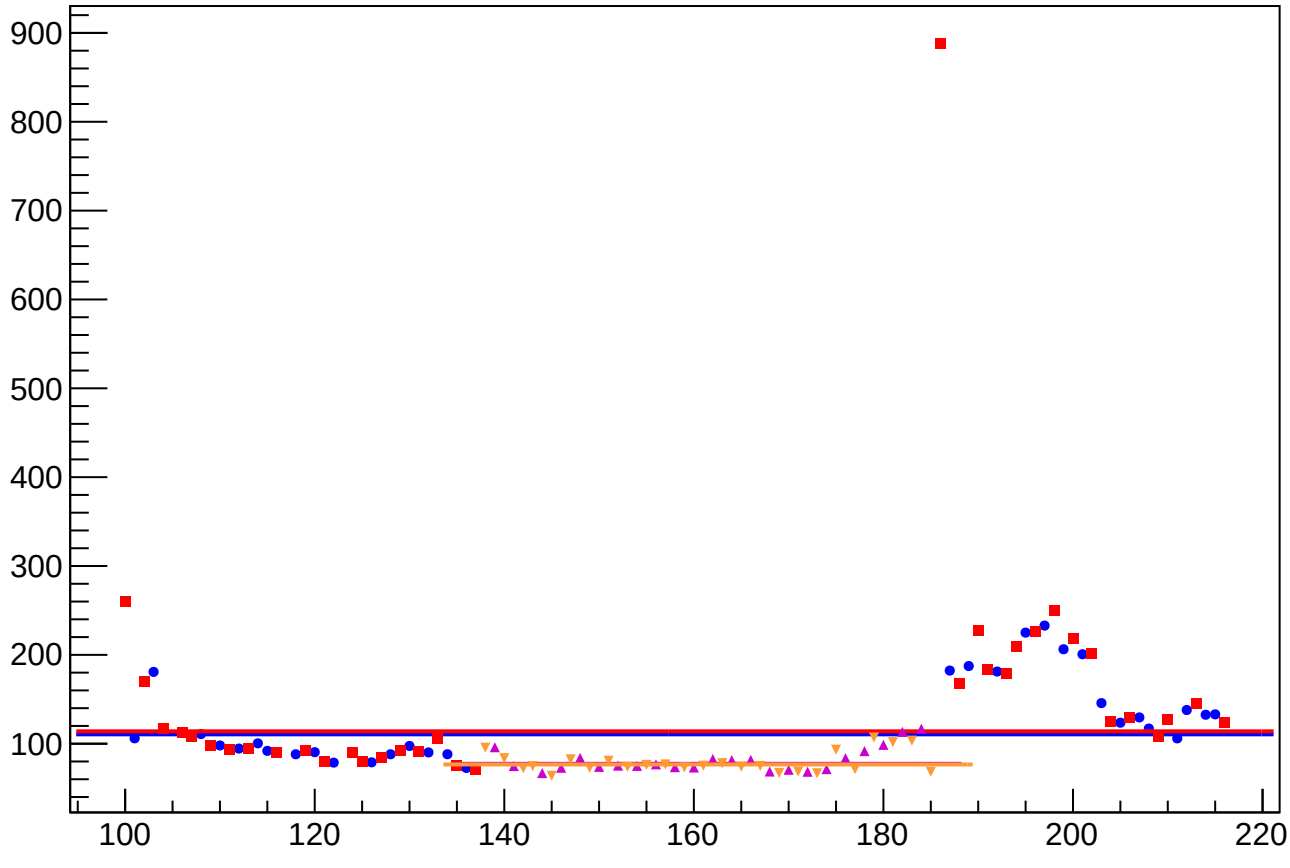
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: -11.390+/-19.224 χ^2/NDF: 81.8/65

In: 42.305+/-15.114 χ^2/NDF:58.6/53

Out: 25.482+/-14.886 χ^2/NDF:92.8/59

All: 33.766+/-10.606 χ^2/NDF: 152.0/113



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: 113.945+/-0.020 χ^2/NDF: 4731432.7/34

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

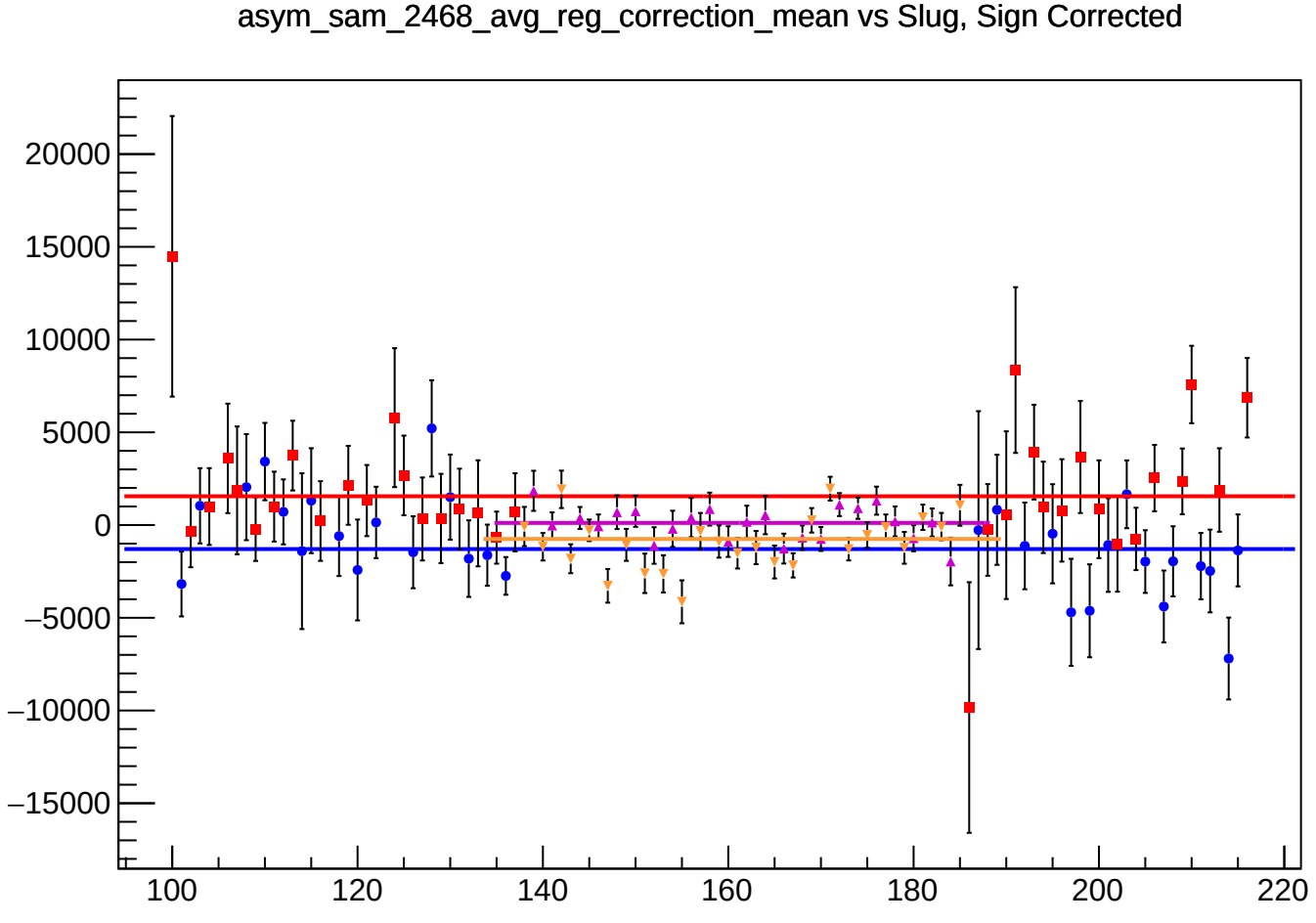
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 112.196+/-0.014 χ^2/NDF: 8446339.7/65

In: 87.948+/-0.011 χ^2/NDF:6388176.3/53

Out: 87.462+/-0.011 χ^2/NDF:7971195.5/59

All: 87.701+/-0.007 χ^2/NDF: 14360421.1/113



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: 1552.529+/-382.702 χ^2/NDF: 37.6/34

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

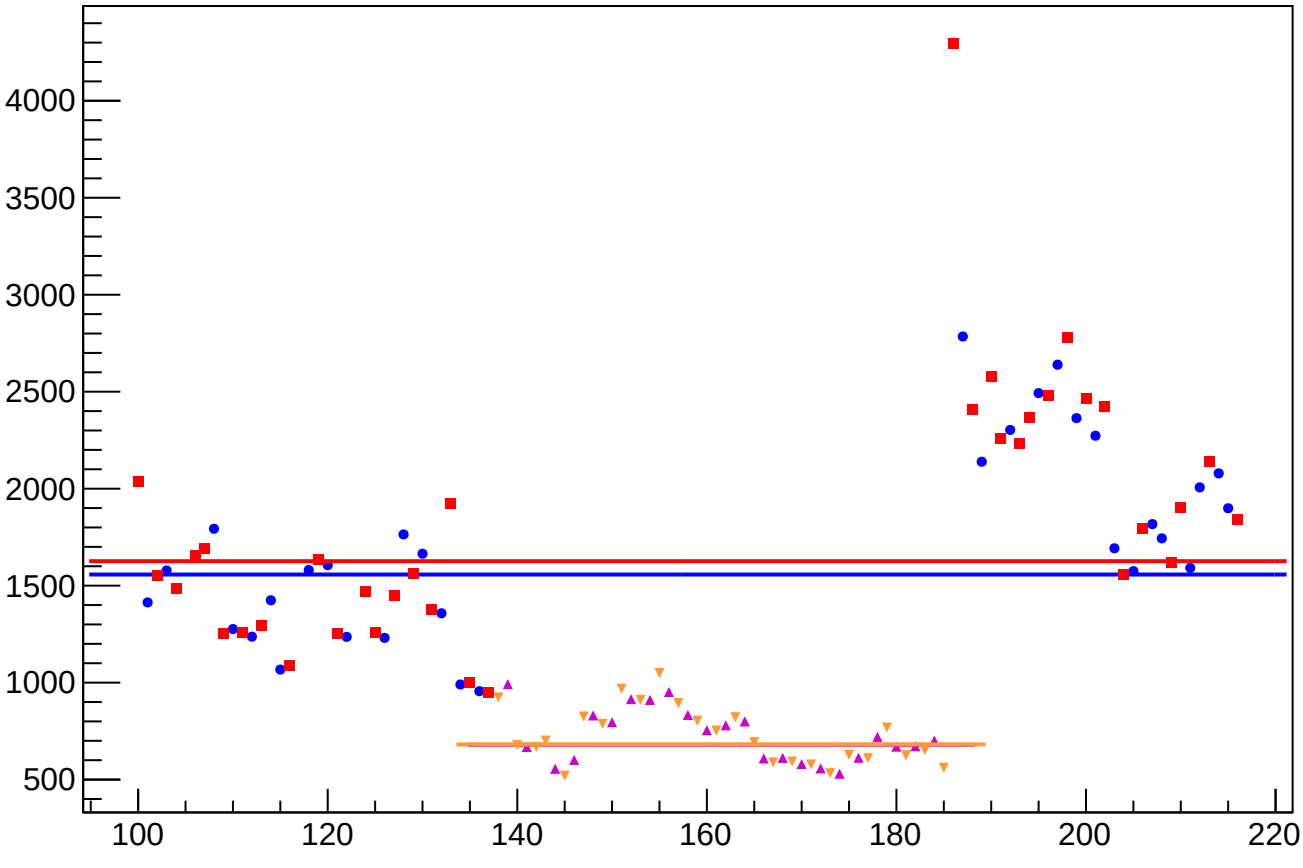
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 81.107+/-266.042 χ^2/NDF: 105.1/65

In: -112.275+/-148.258 χ^2/NDF:76.0/53

Out: -414.090+/-146.107 χ^2/NDF:138.5/59

All: -265.388+/-104.066 χ^2/NDF: 216.7/113



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: 1626.102+/-0.271 χ^2/NDF: 3173495.5/34

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

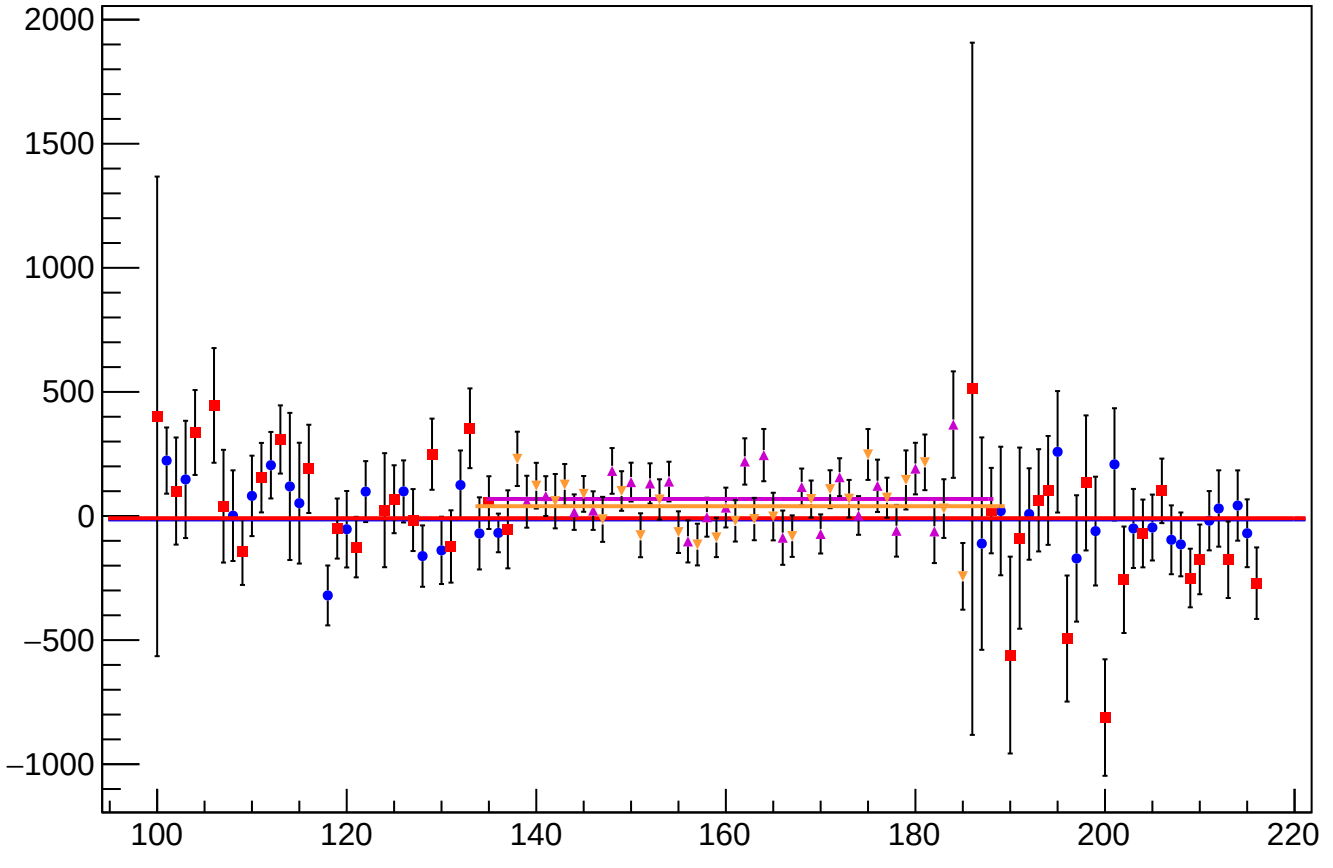
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1590.574+/-0.188 χ^2/NDF: 6055061.7/65

In: 820.301+/-0.105 χ^2/NDF:13481888.4/53

Out: 819.117+/-0.103 χ^2/NDF:14917852.8/59

All: 819.700+/-0.074 χ^2/NDF: 28399805.9/1



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: -8.879+/-27.645 χ^2/NDF: 58.6/34

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

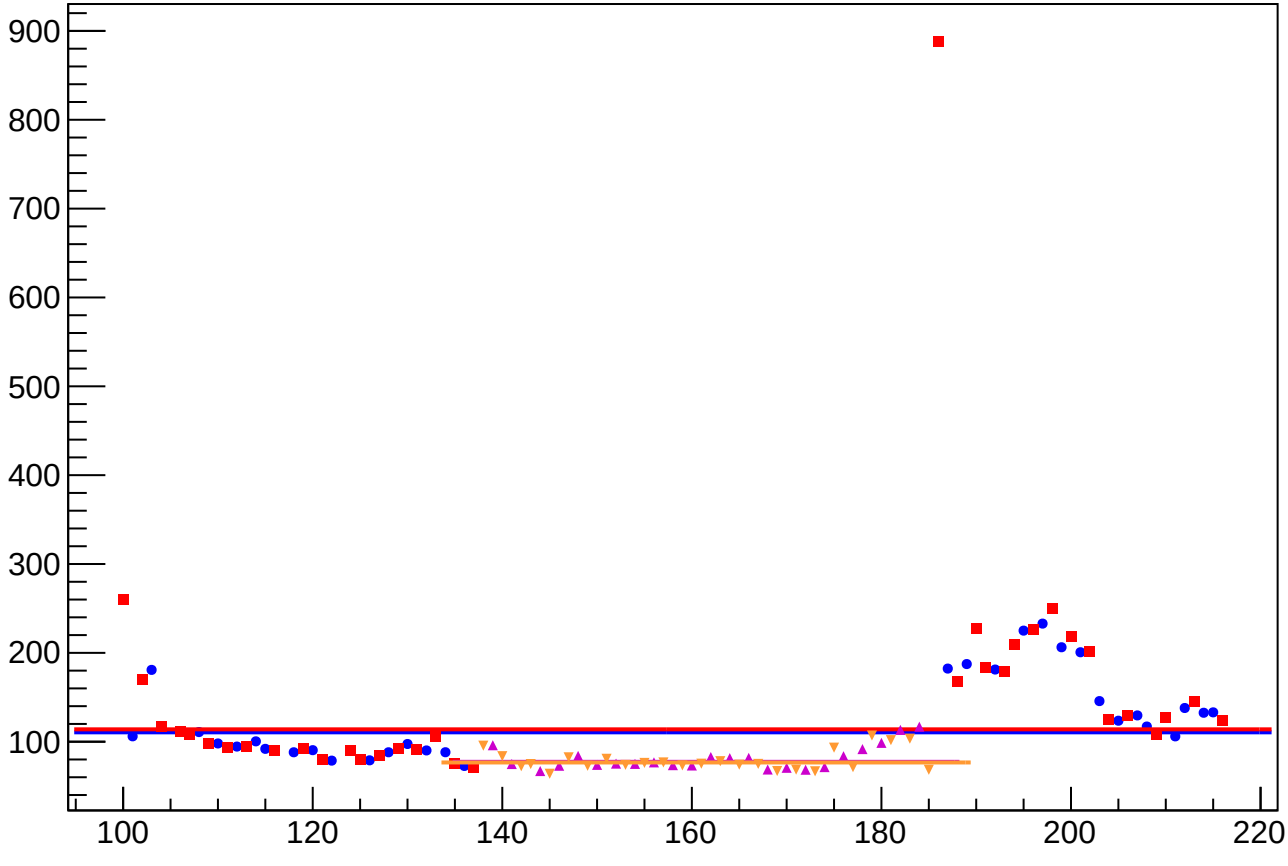
Right: -11.439+/-19.225 χ^2/NDF: 81.8/65

In: 42.302+/-15.114 χ^2/NDF:58.6/53

Out: 25.461+/-14.886 χ^2/NDF:92.7/59

All: 33.754+/-10.606 χ^2/NDF: 152.0/113

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: 113.926+/-0.020 χ^2/NDF: 4731858.2/34

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

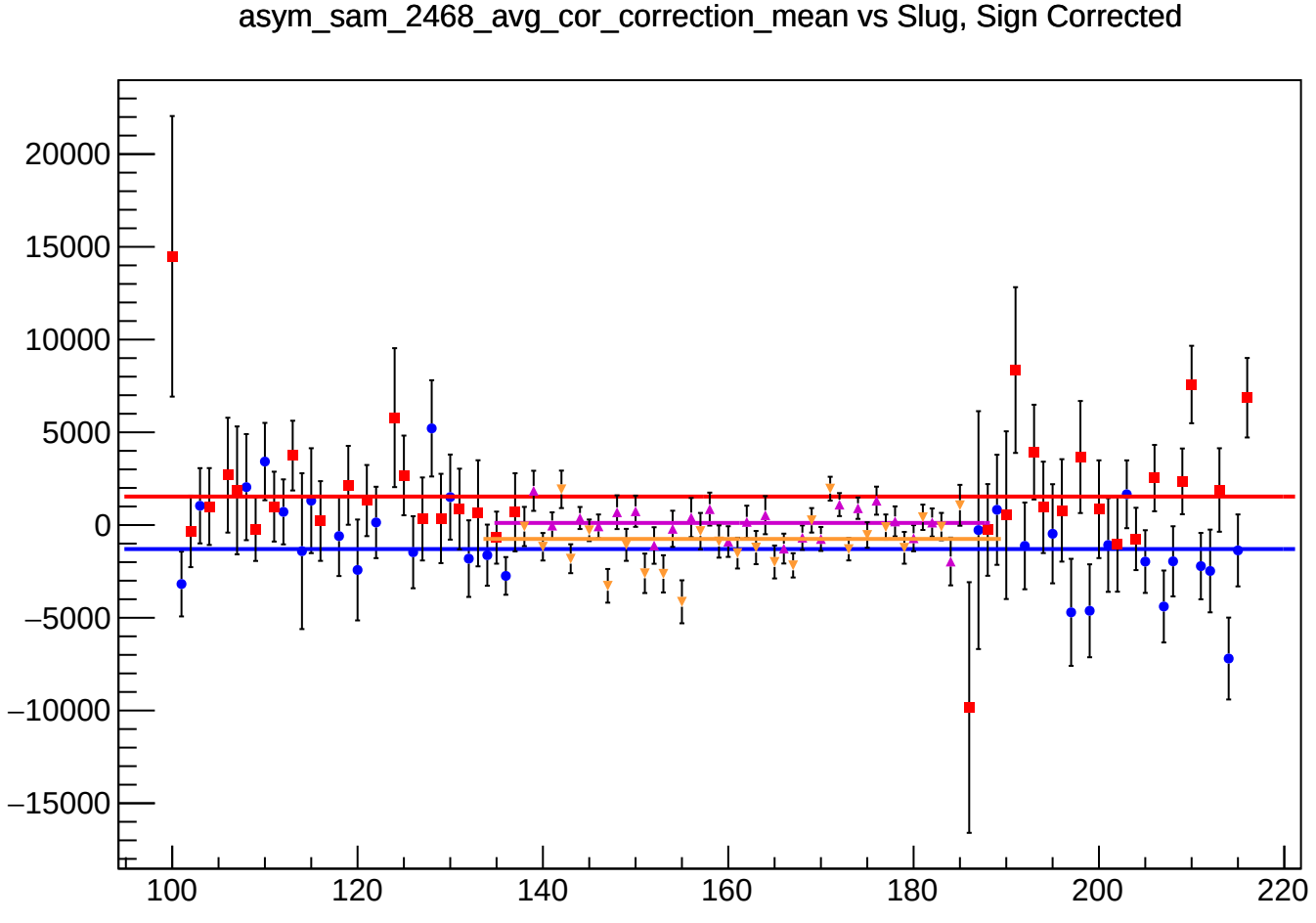
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 112.187+/-0.014 χ^2/NDF: 8446599.7/65

In: 87.948+/-0.011 χ^2/NDF:6388179.9/53

Out: 87.456+/-0.011 χ^2/NDF:7968936.1/59

All: 87.698+/-0.007 χ^2/NDF: 14358190.8/113



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: 1535.884+/-383.008 χ^2/NDF: 37.3/34

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

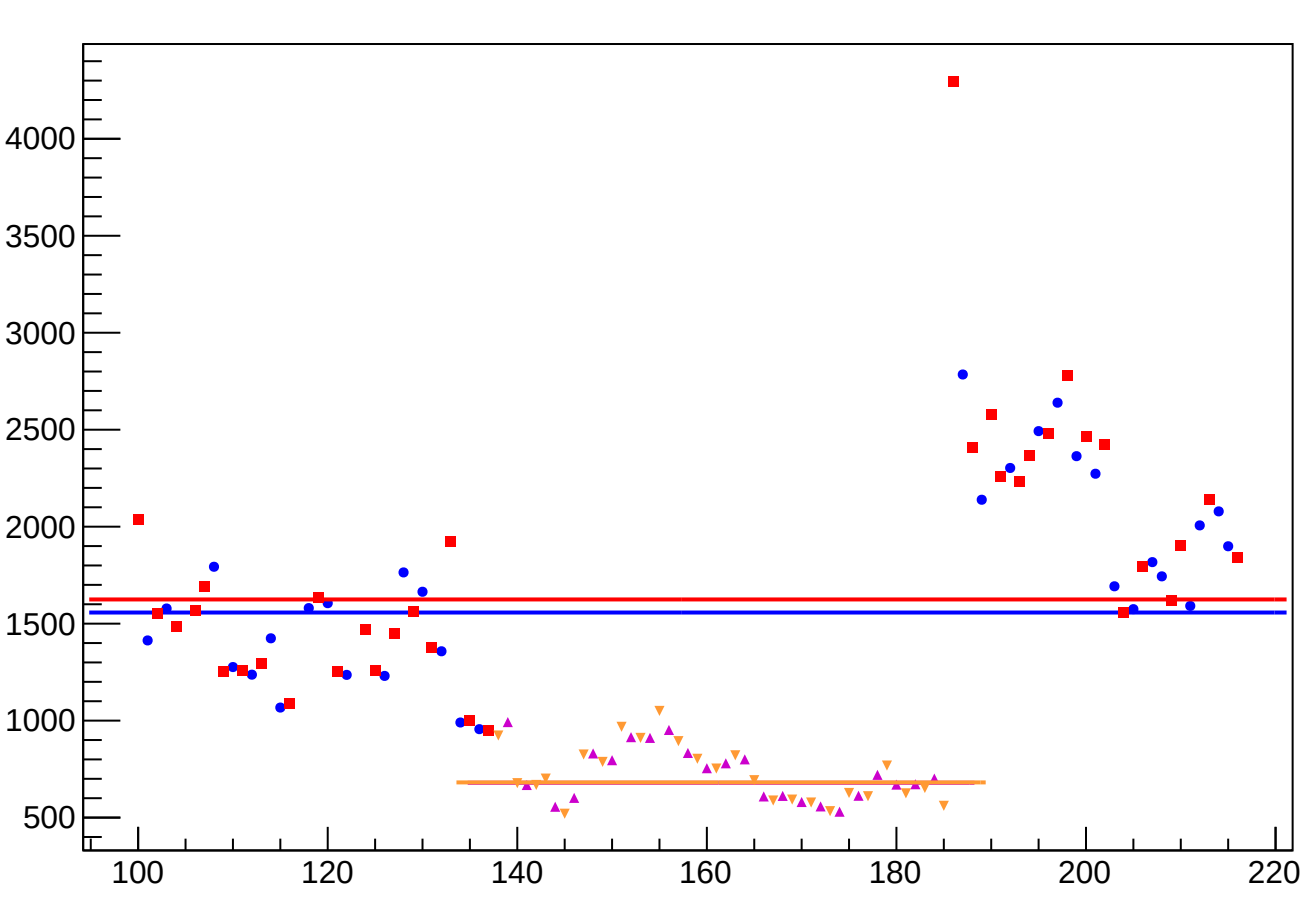
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 71.947+/-266.145 χ^2/NDF: 104.3/65

In: -112.271+/-148.258 χ^2/NDF:76.0/53

Out: -416.963+/-146.124 χ^2/NDF:137.7/59

All: -266.826+/-104.072 χ^2/NDF: 215.9/113



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: 1624.779+/-0.271 χ^2/NDF: 3173880.5/34

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

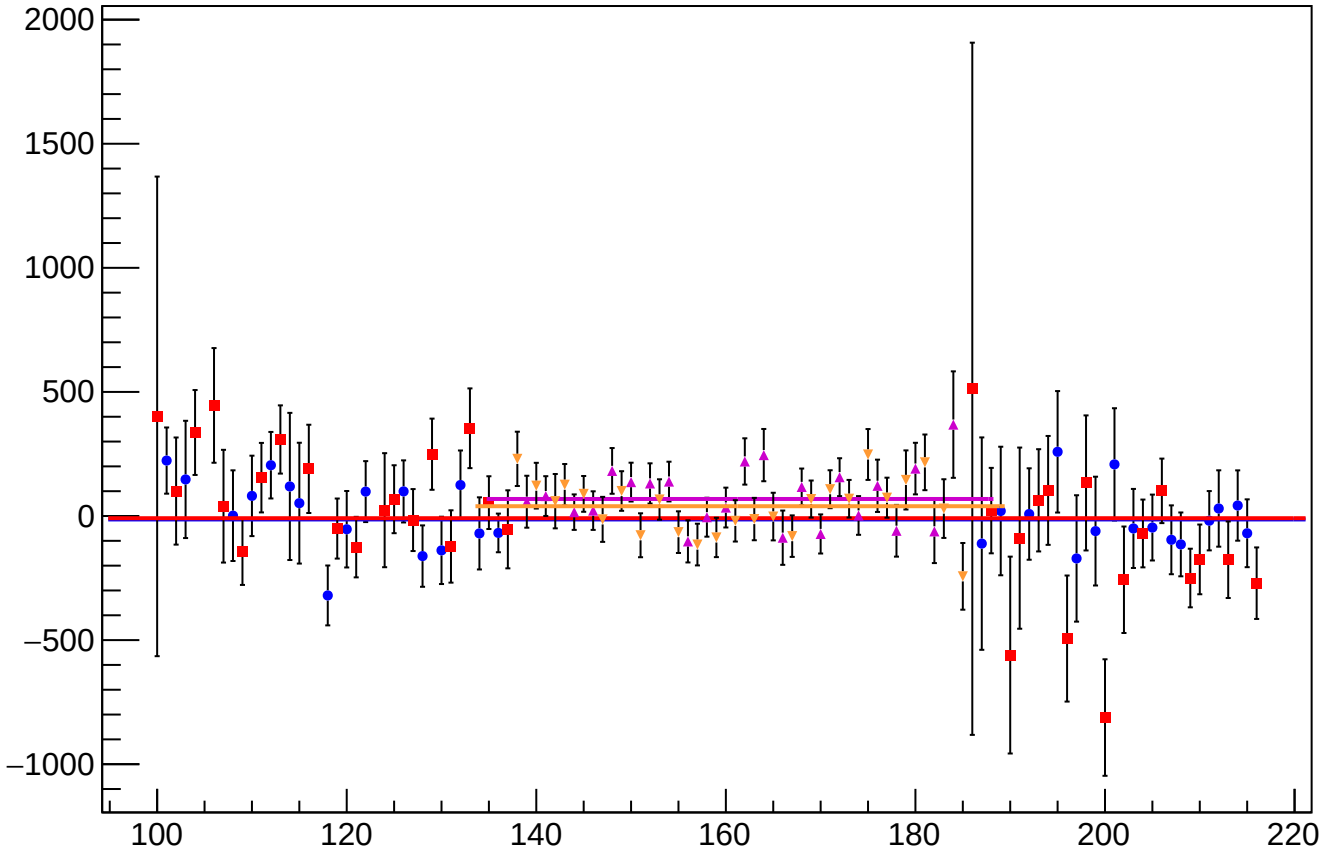
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1589.909+/-0.188 χ^2/NDF: 6054153.3/65

In: 820.301+/-0.105 χ^2/NDF:13481921.8/53

Out: 818.736+/-0.103 χ^2/NDF:14874955.7/59

All: 819.507+/-0.074 χ^2/NDF: 28356990.5/1



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: -8.879+/-27.645 χ^2/NDF: 58.6/34

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

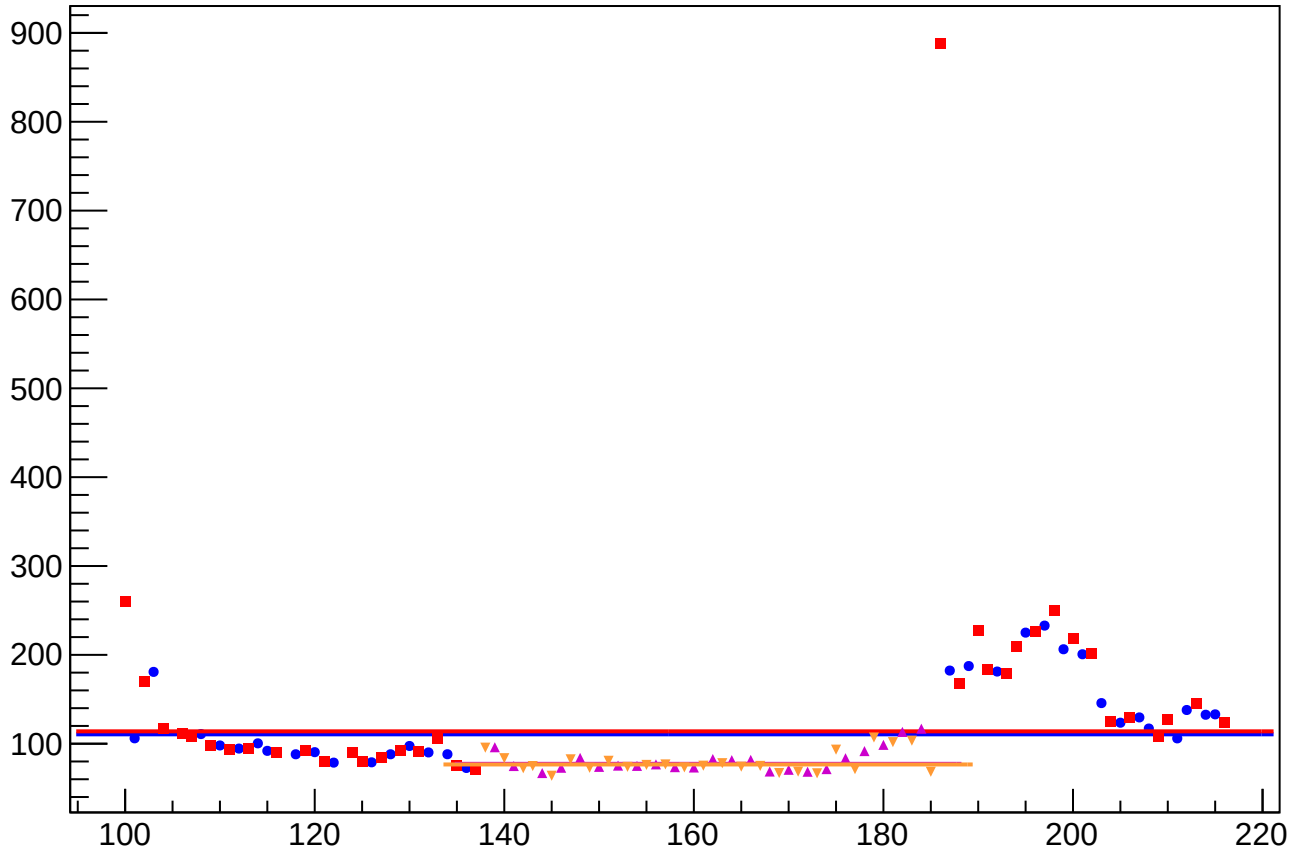
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: -11.439+/-19.225 χ^2/NDF: 81.8/65

In: 42.302+/-15.114 χ^2/NDF:58.6/53

Out: 25.461+/-14.886 χ^2/NDF:92.7/59

All: 33.754+/-10.606 χ^2/NDF: 152.0/113



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: 113.926+/-0.020 χ^2/NDF: 4731858.2/34

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

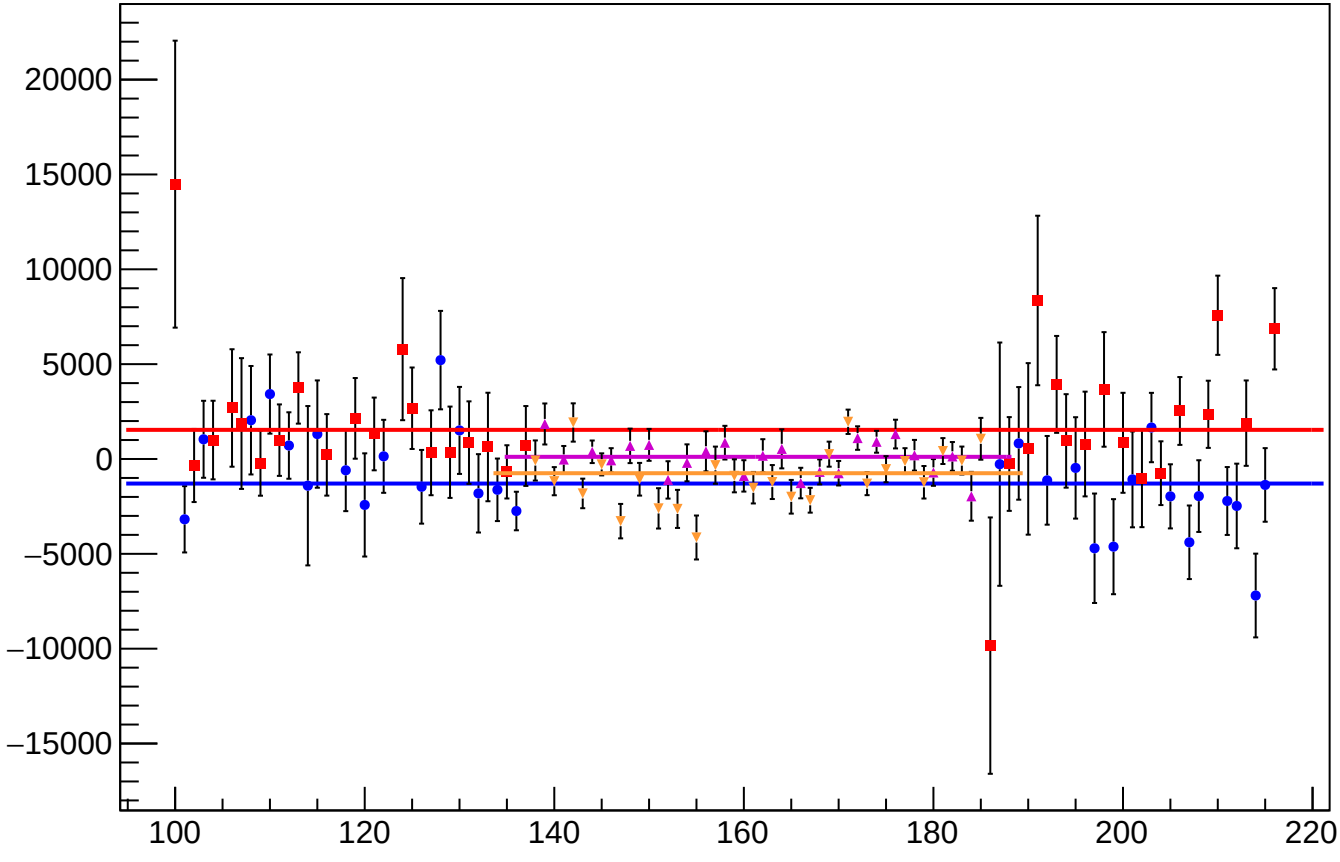
Right: 112.187+/-0.014 χ^2/NDF: 8446599.7/65

In: 87.948+/-0.011 χ^2/NDF:6388179.9/53

Out: 87.456+/-0.011 χ^2/NDF:7968936.1/59

All: 87.698+/-0.007 χ^2/NDF: 14358190.8/113

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1535.884+/-383.008 χ^2/NDF: 37.3/34

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

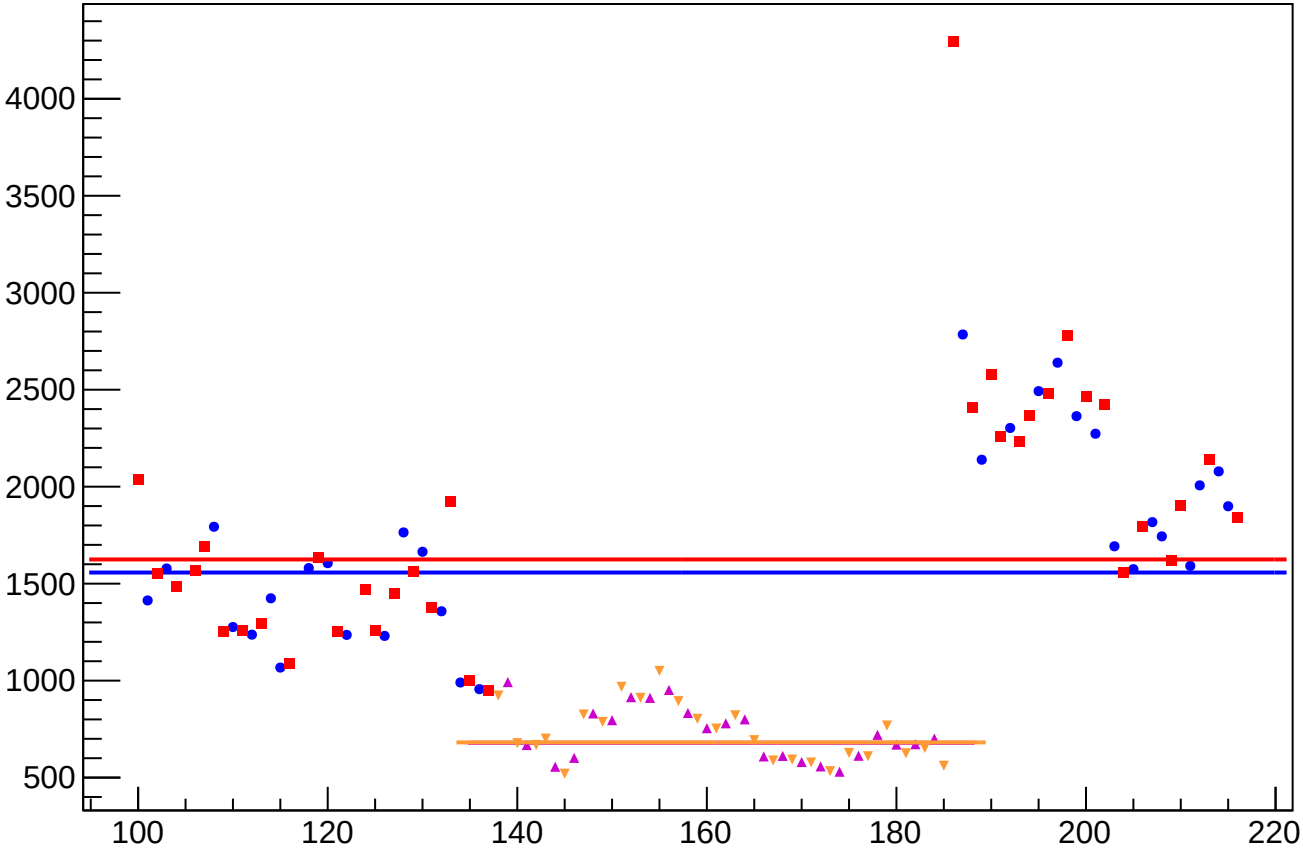
Right: 71.947+/-266.145 χ^2/NDF: 104.3/65

In: -112.271+/-148.258 χ^2/NDF:76.0/53

Out: -416.963+/-146.124 χ^2/NDF:137.7/59

All: -266.826+/-104.072 χ^2/NDF: 215.9/113

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1624.779+/-0.271 χ^2/NDF: 3173880.5/34

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

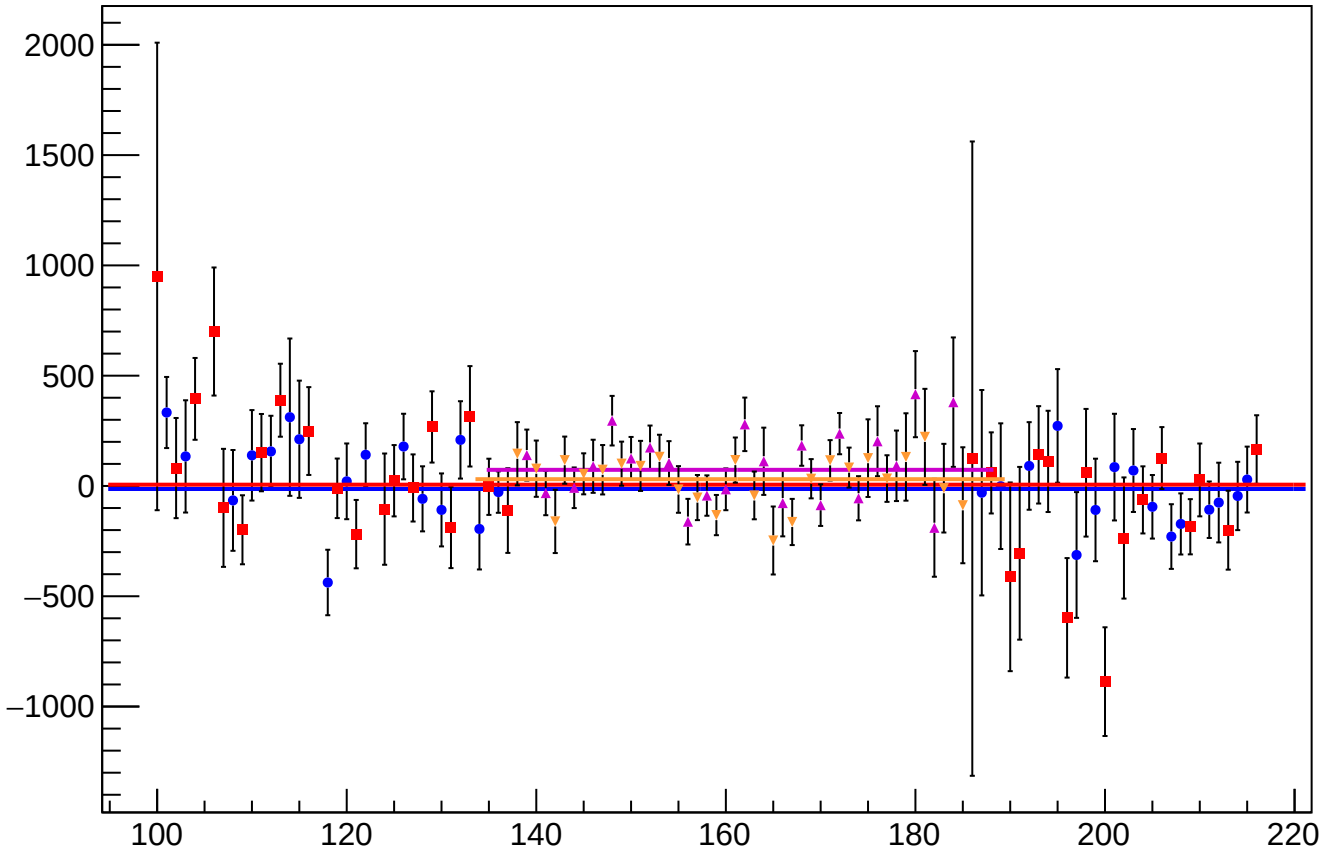
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1589.909+/-0.188 χ^2/NDF: 6054153.3/65

In: 820.301+/-0.105 χ^2/NDF:13481921.8/53

Out: 818.736+/-0.103 χ^2/NDF:14874955.7/59

All: 819.507+/-0.074 χ^2/NDF: 28356990.5/1



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: 5.822+/-31.881 χ^2/NDF: 55.5/34

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

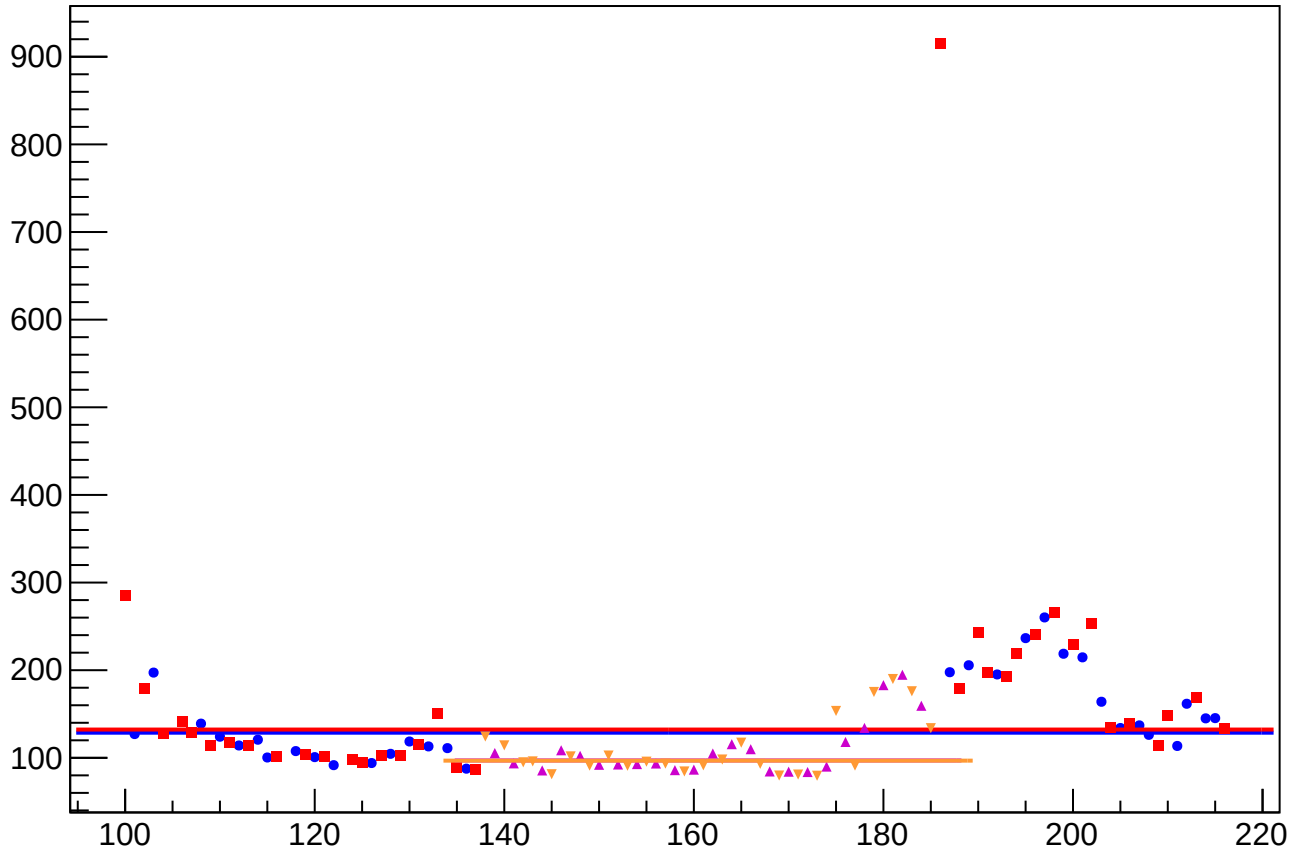
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -4.255+/-22.190 χ^2/NDF: 85.8/65

In: 41.301+/-18.711 χ^2/NDF:69.5/53

Out: 22.244+/-18.575 χ^2/NDF:75.9/59

All: 31.703+/-13.183 χ^2/NDF: 145.9/113



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: 132.274+/-0.023 χ^2/NDF: 4018761.0/34

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

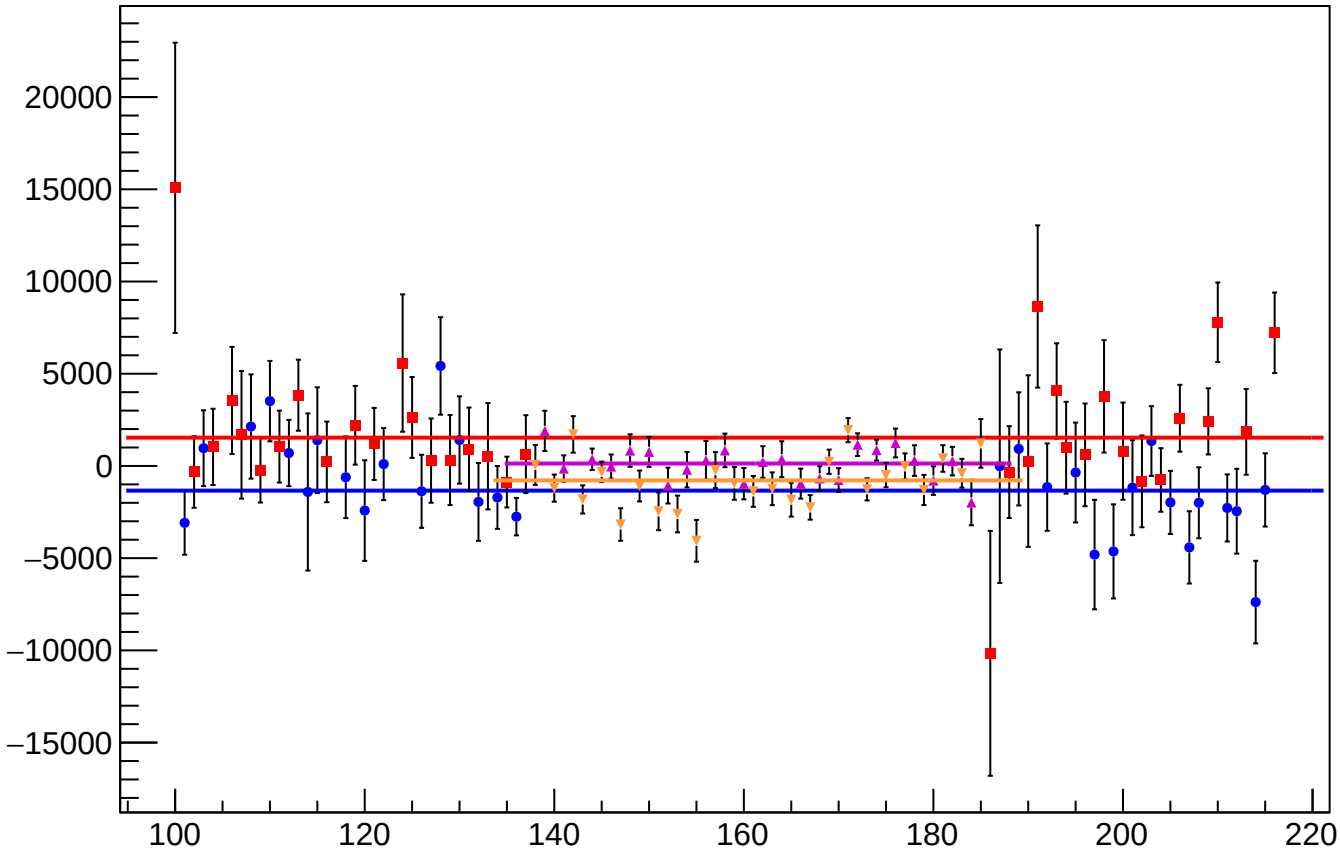
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 130.429+/-0.016 χ^2/NDF: 7000786.9/65

In: 108.630+/-0.013 χ^2/NDF:5621314.9/53

Out: 108.839+/-0.013 χ^2/NDF:7375318.0/59

All: 108.735+/-0.009 χ^2/NDF: 12996759.4/11



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: 1534.136+/-387.049 χ^2/NDF: 39.4/34

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

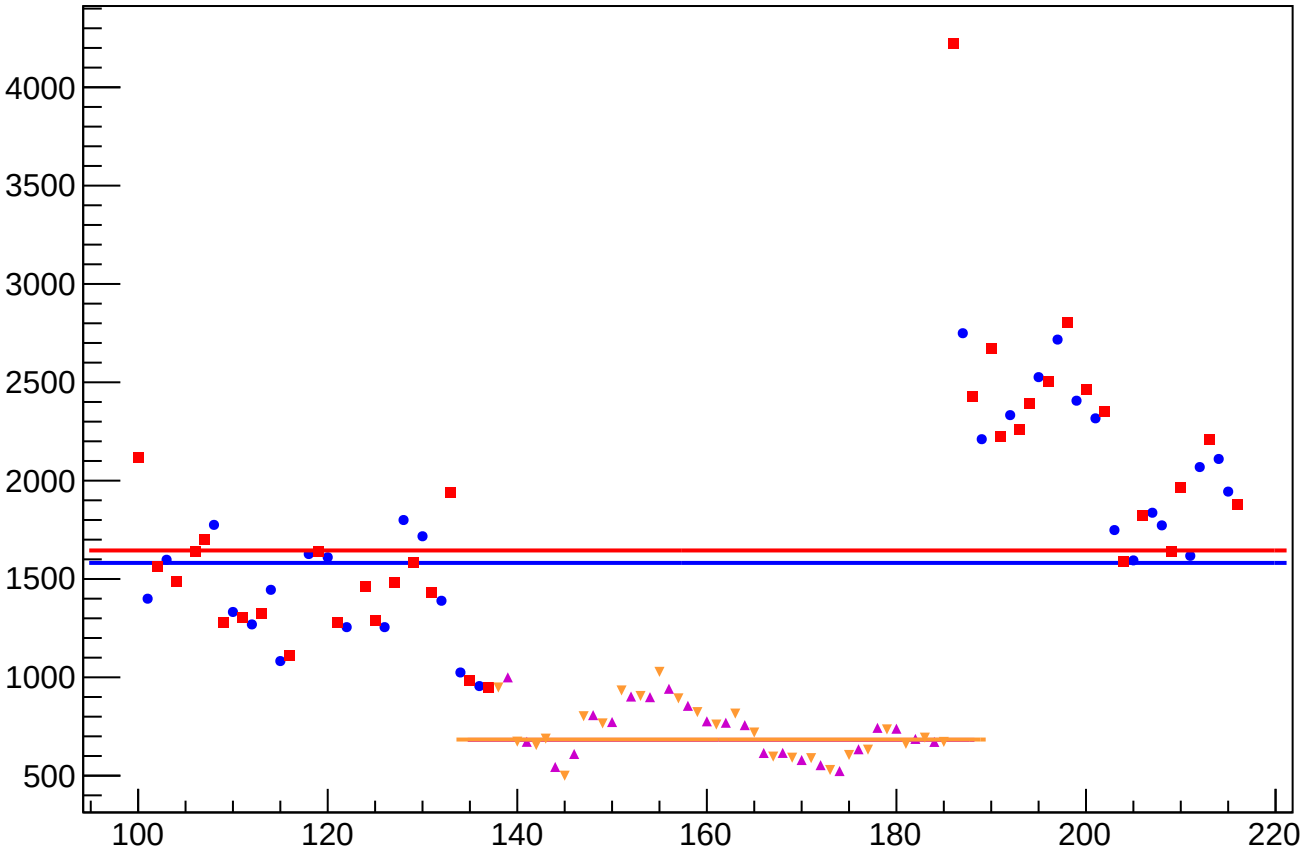
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 56.838+/-269.724 χ^2/NDF: 105.7/65

In: -99.563+/-149.100 χ^2/NDF:75.1/53

Out: -451.490+/-146.542 χ^2/NDF:136.5/59

All: -278.572+/-104.514 χ^2/NDF: 214.4/113



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: 1645.057+/-0.274 χ^2/NDF: 3172786.7/34

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

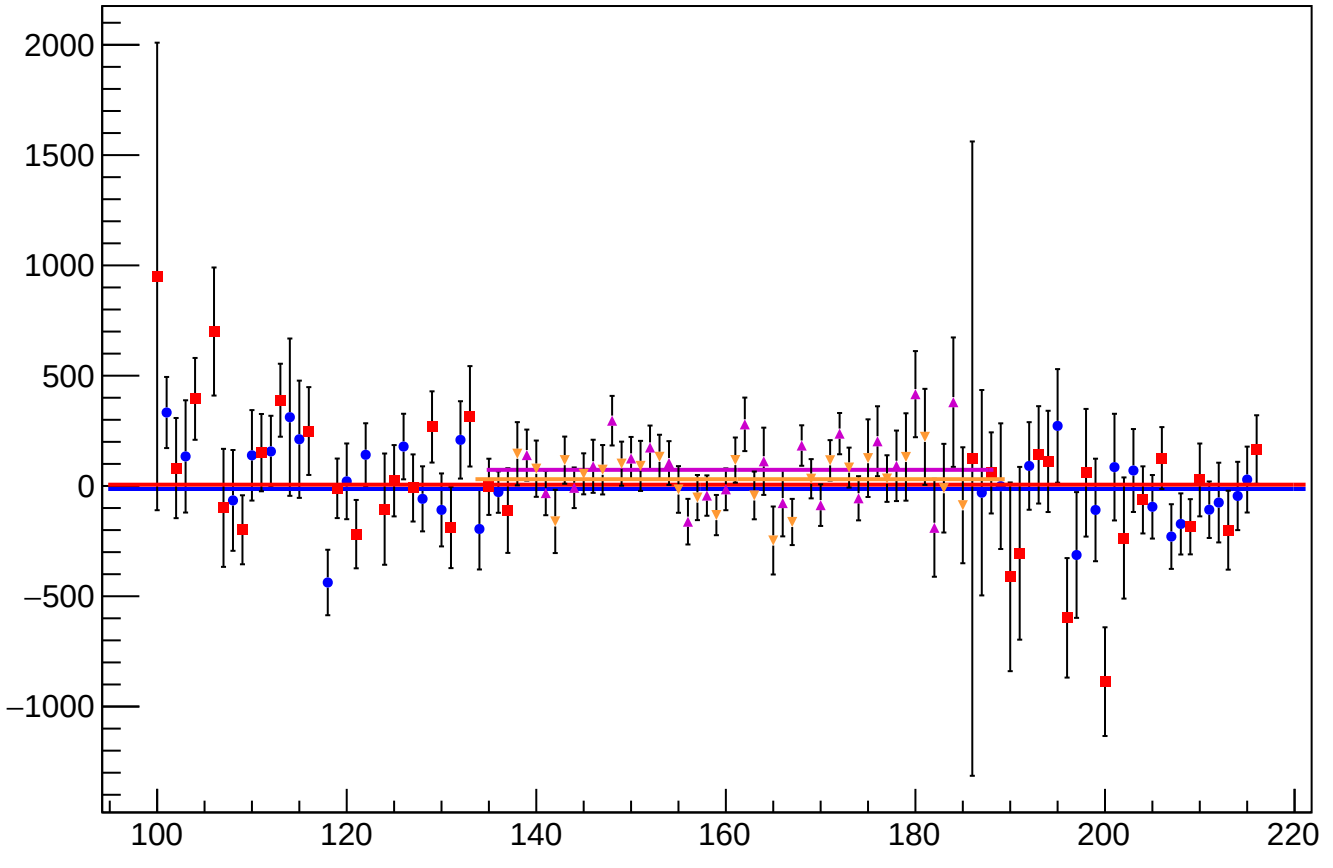
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1612.505+/-0.191 χ^2/NDF: 6103873.9/65

In: 823.393+/-0.105 χ^2/NDF:13739177.4/53

Out: 821.507+/-0.104 χ^2/NDF:15040732.8/59

All: 822.433+/-0.074 χ^2/NDF: 28780072.9/1



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: 5.820+/-31.881 χ^2/NDF: 55.5/34

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

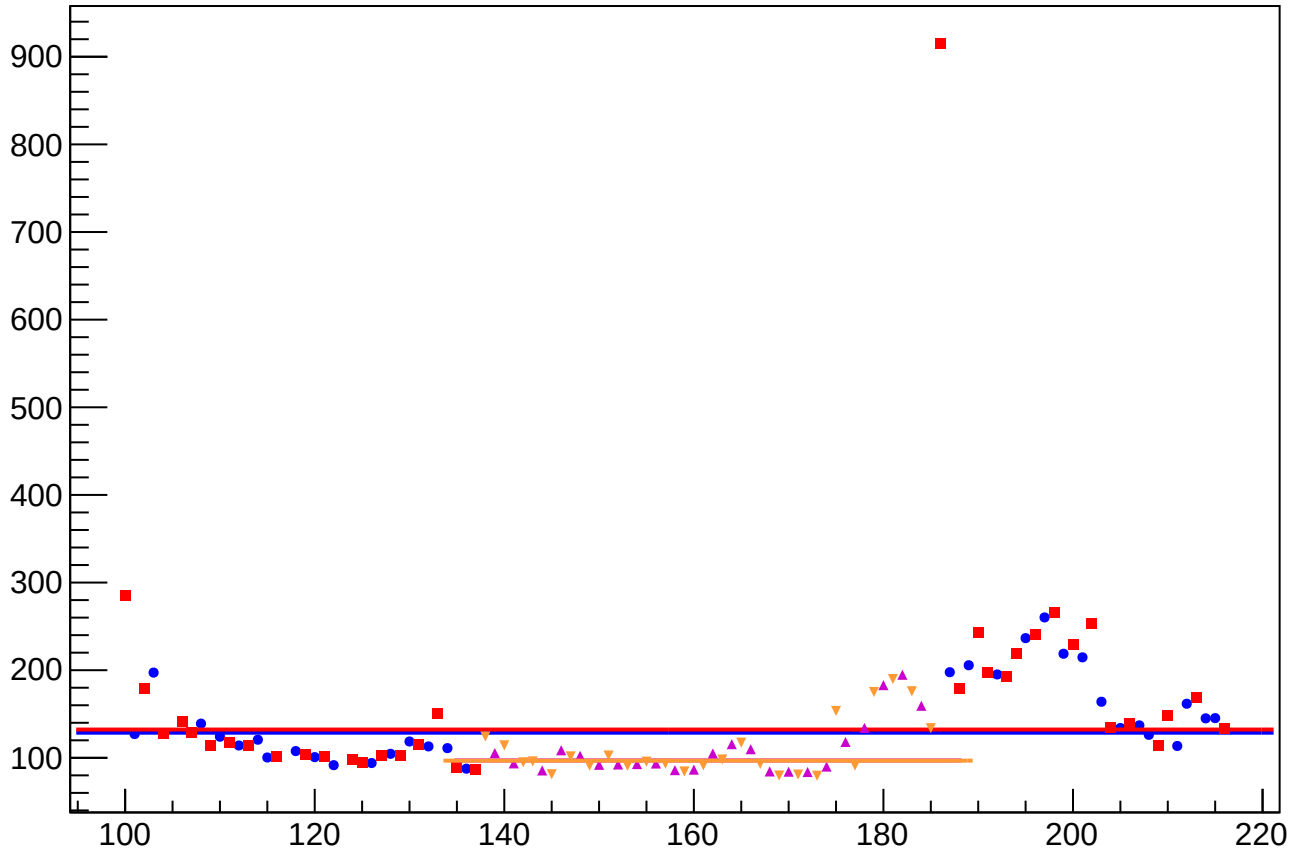
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -4.255+/-22.190 χ^2/NDF: 85.8/65

In: 41.301+/-18.711 χ^2/NDF:69.5/53

Out: 22.243+/-18.575 χ^2/NDF:75.9/59

All: 31.703+/-13.183 χ^2/NDF: 145.9/113



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: 132.274+/-0.023 χ^2/NDF: 4018791.8/34

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

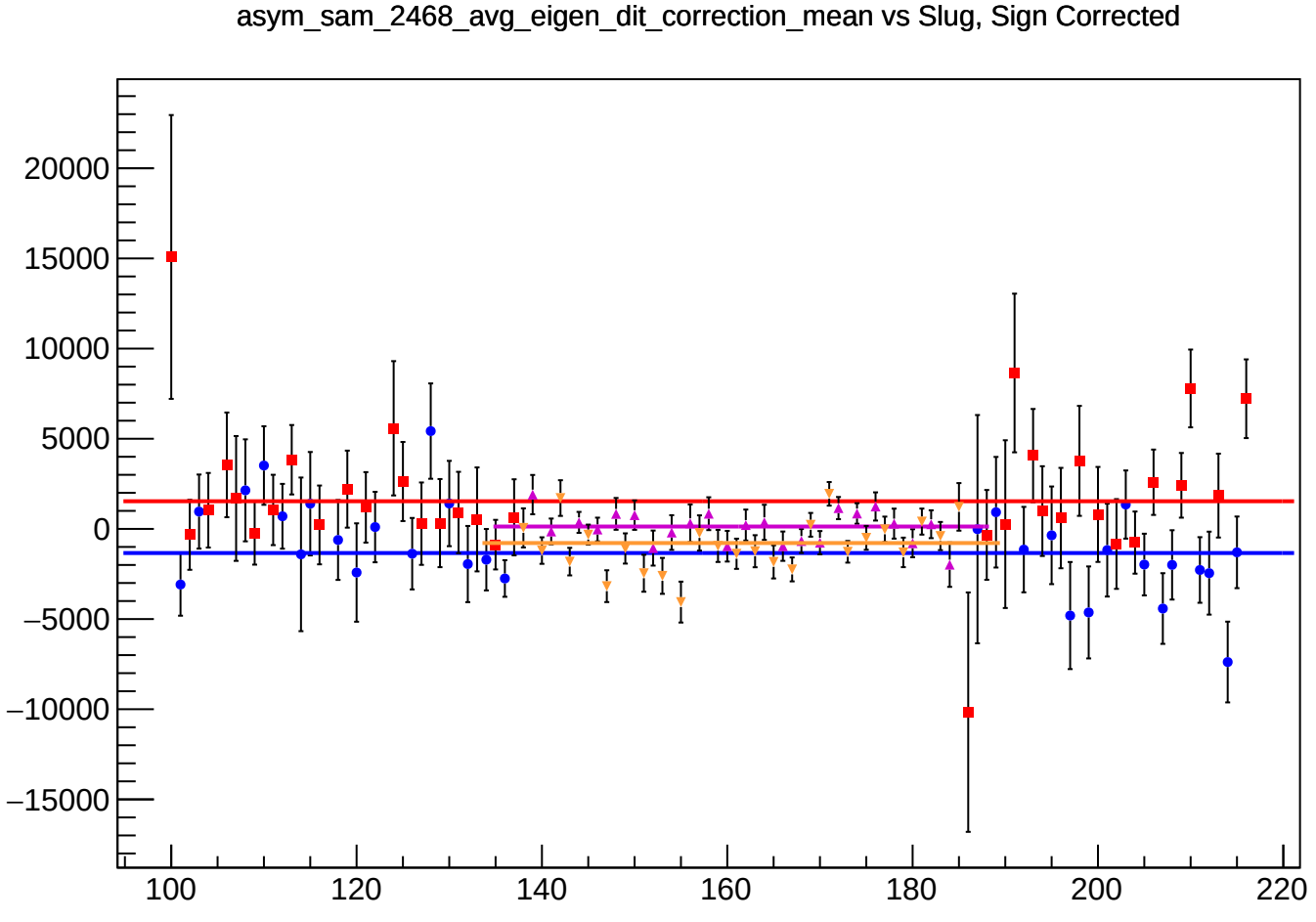
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 130.428+/-0.016 χ^2/NDF: 7000836.7/65

In: 108.630+/-0.013 χ^2/NDF:5621243.2/53

Out: 108.839+/-0.013 χ^2/NDF:7375278.5/59

All: 108.735+/-0.009 χ^2/NDF: 12996648.2/11



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: 1534.133+/-387.048 χ^2/NDF: 39.4/34

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

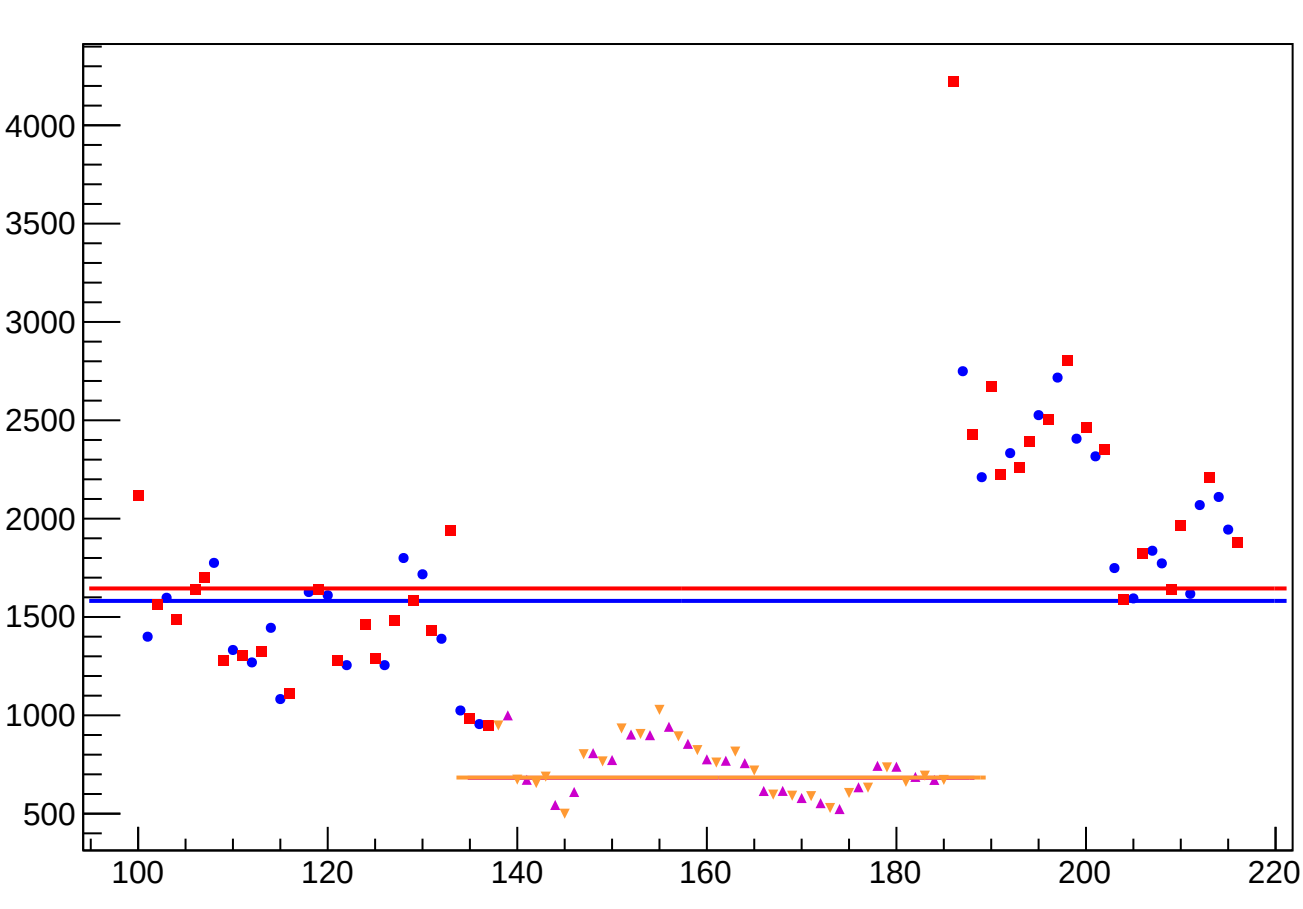
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: 56.839+/-269.723 χ^2/NDF: 105.7/65

In: -99.563+/-149.100 χ^2/NDF:75.1/53

Out: -451.490+/-146.542 χ^2/NDF:136.5/59

All: -278.572+/-104.513 χ^2/NDF: 214.4/113



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: 1645.054+/-0.274 χ^2/NDF: 3172799.2/34

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

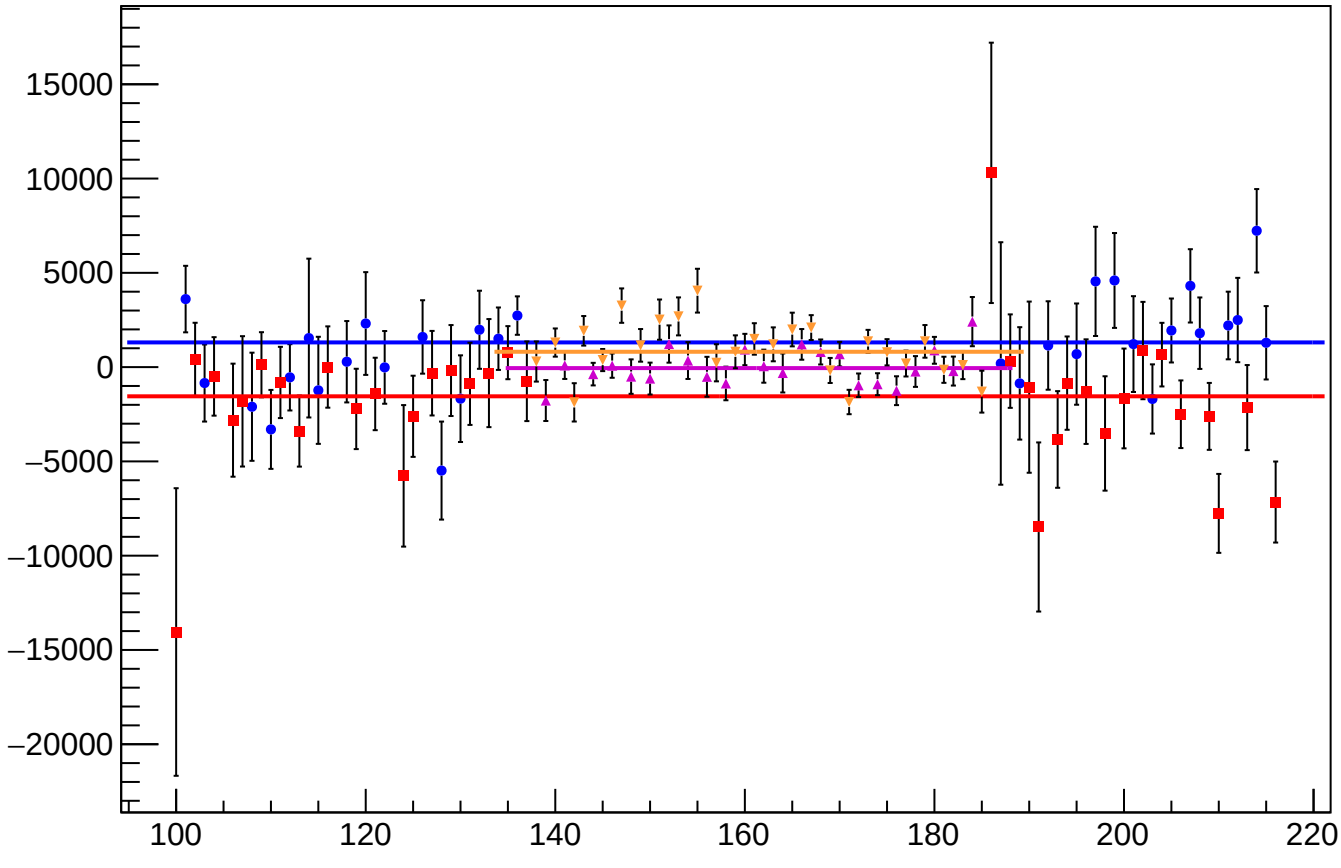
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1612.502+/-0.191 χ^2/NDF: 6103895.7/65

In: 823.391+/-0.105 χ^2/NDF:13739195.4/53

Out: 821.505+/-0.104 χ^2/NDF:15040757.8/59

All: 822.432+/-0.074 χ^2/NDF: 28780115.9/1



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: -1548.305+/-383.993 χ^2/NDF: 38.2/34

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

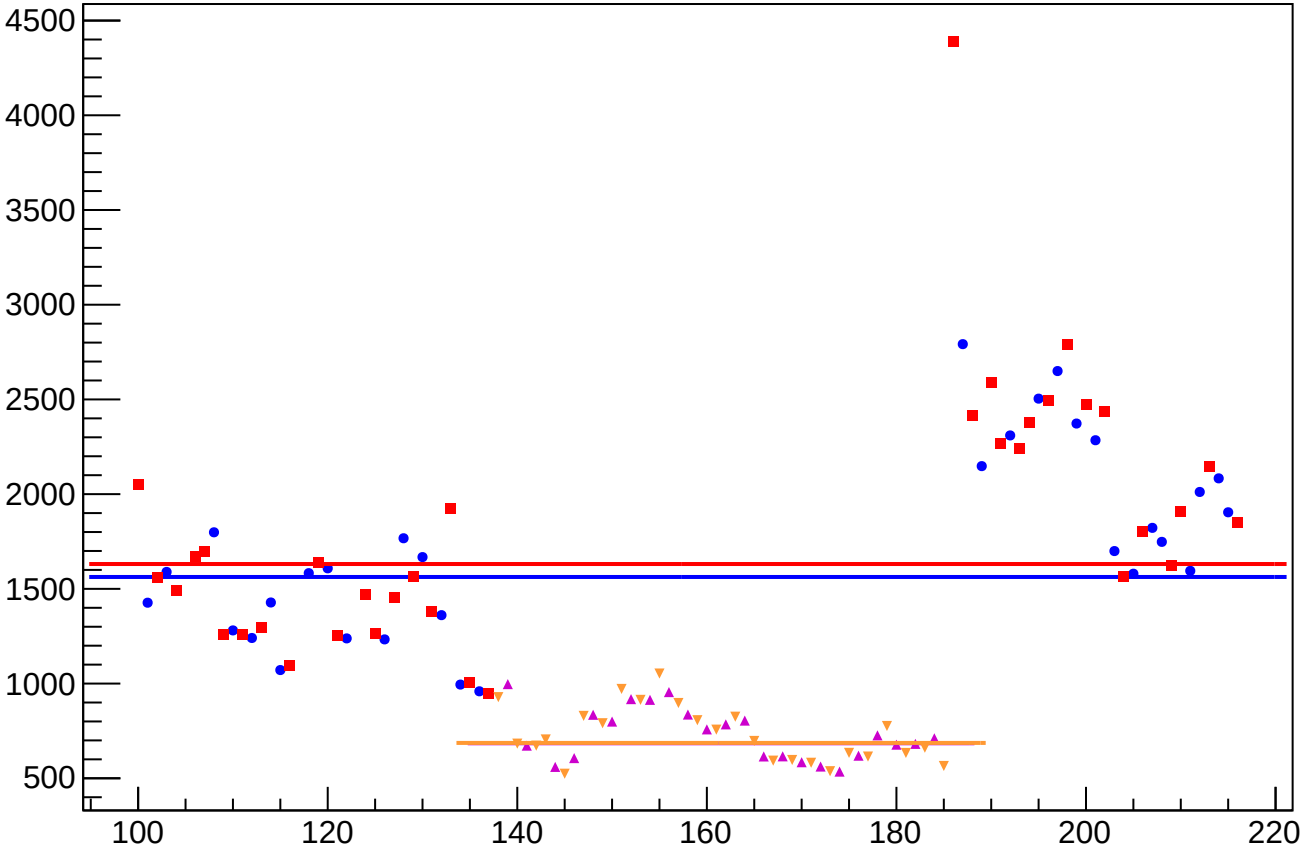
Right: -71.450+/-266.947 χ^2/NDF: 105.8/65

In: 167.823+/-149.283 χ^2/NDF:75.6/53

Out: 467.360+/-147.106 χ^2/NDF:136.3/59

All: 319.792+/-104.781 χ^2/NDF: 213.9/113

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: 1631.141+/-0.272 χ^2/NDF: 3184835.8/34

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

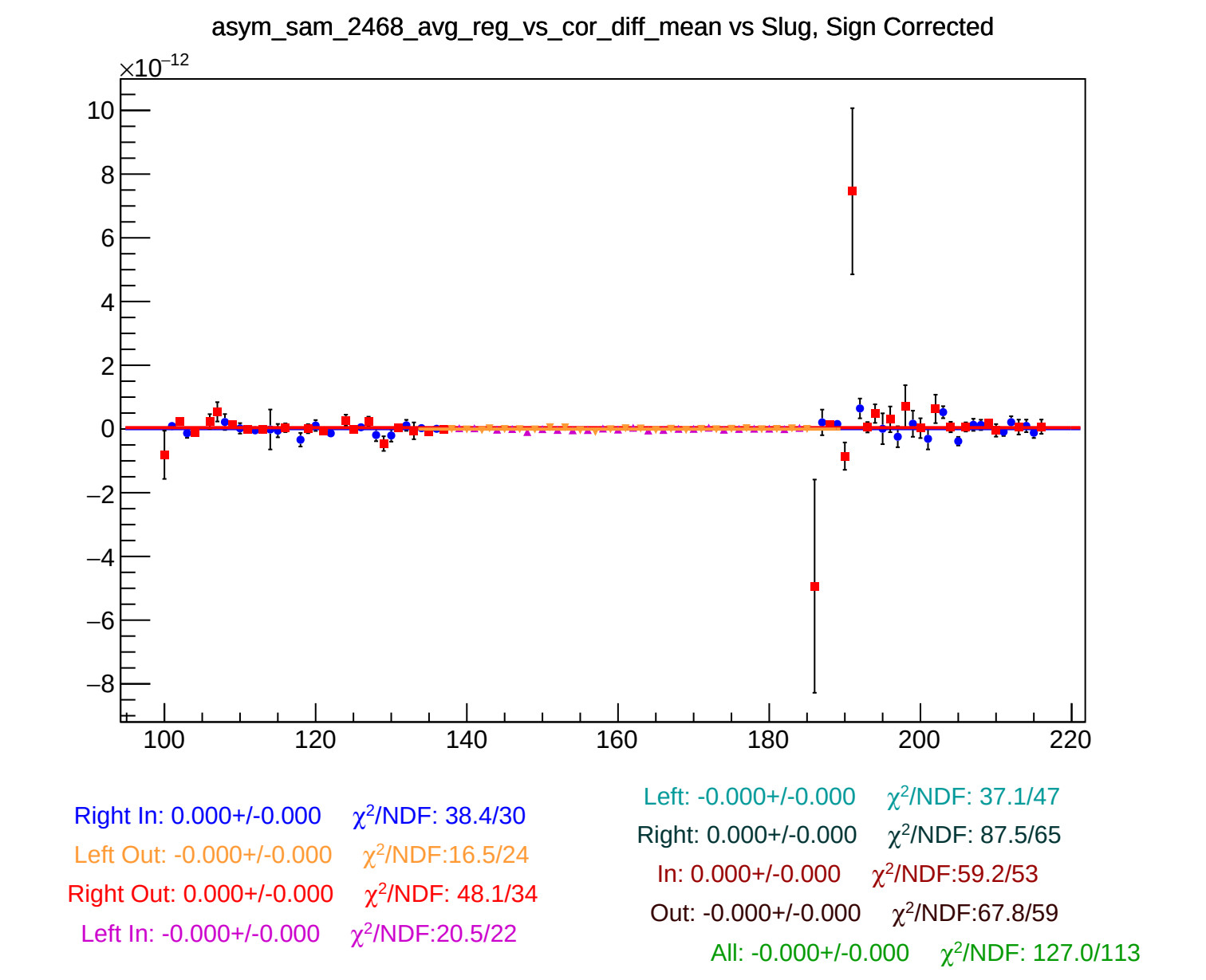
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

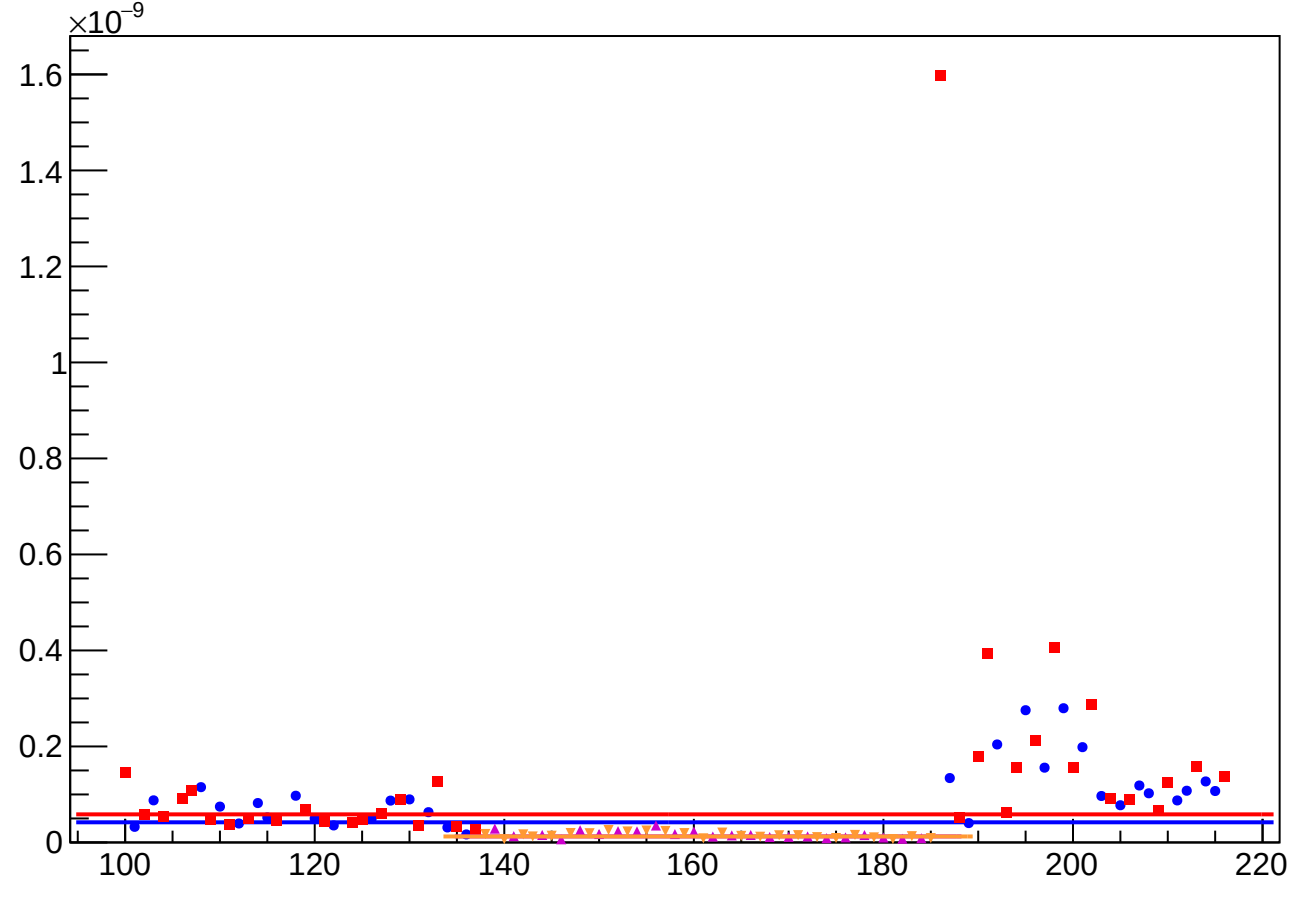
Right: 1595.795+/-0.189 χ^2/NDF: 6064777.4/65

In: 826.637+/-0.106 χ^2/NDF:13384645.8/53

Out: 825.308+/-0.104 χ^2/NDF:14819980.1/59

All: 825.963+/-0.074 χ^2/NDF: 28204706.3/1


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 38.4/30
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 48.1/34
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: 87.5/65
In: 0.000+/-0.000 χ²/NDF:59.2/53
Out: -0.000+/-0.000 χ²/NDF:67.8/59
All: -0.000+/-0.000 χ²/NDF: 127.0/113



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: 4451751.6/34

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

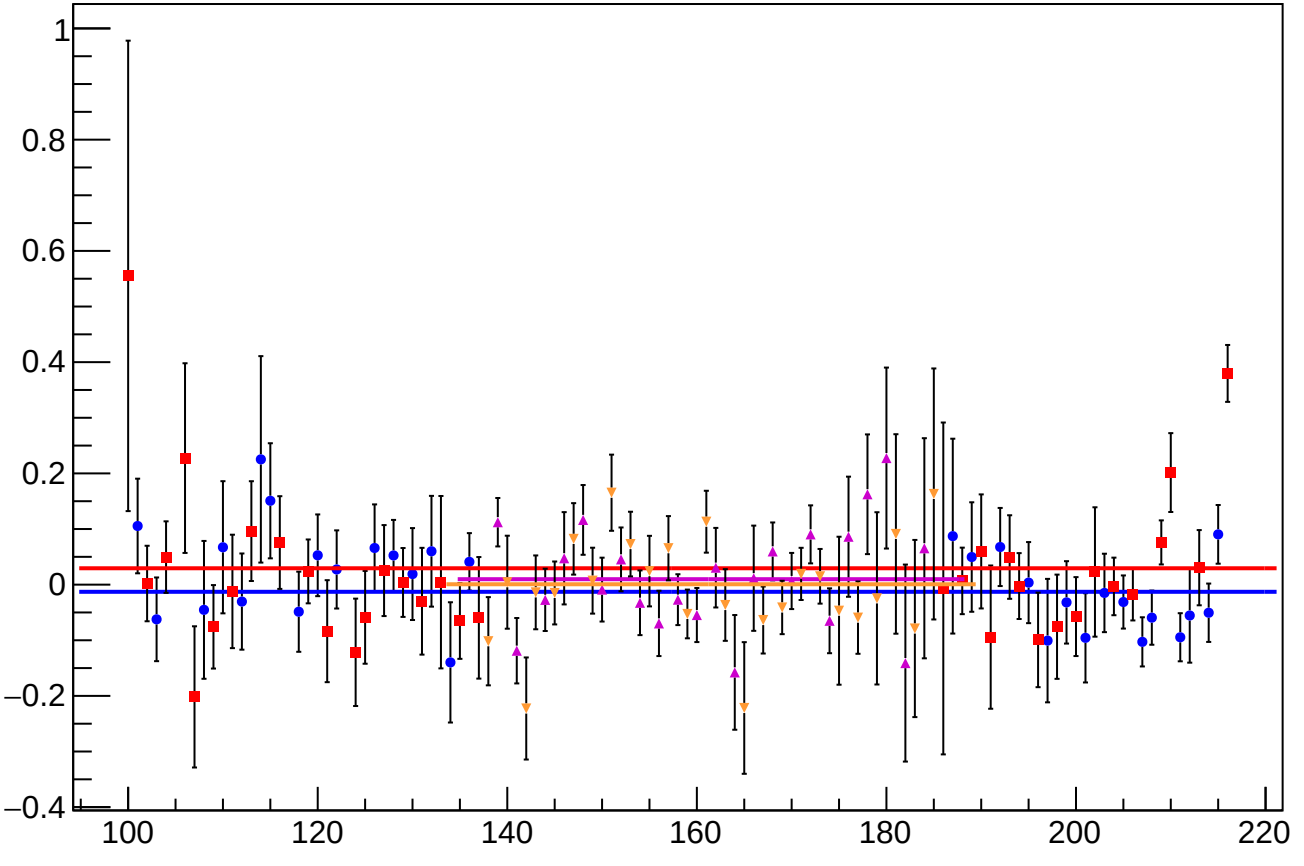
Right: 0.000+/-0.000 χ^2/NDF: 11985638.5/65

In: 0.000+/-0.000 χ^2/NDF:13041947.1/53

Out: 0.000+/-0.000 χ^2/NDF:12880982.6/59

All: 0.000+/-0.000 χ^2/NDF: 25924715.1/113

asym_sam_2468_avg_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: 0.029+/-0.013 χ^2/NDF: 79.9/34

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

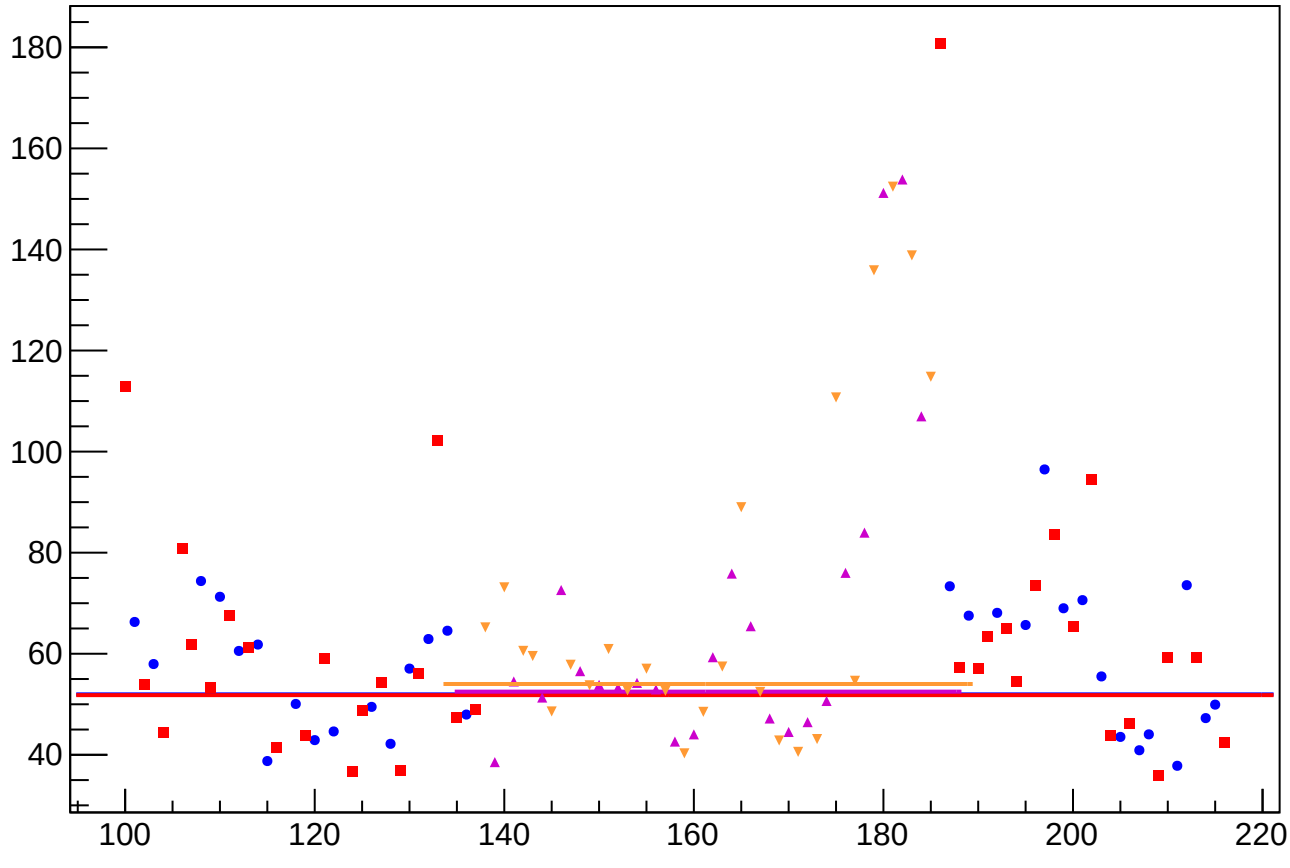
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.008+/-0.009 χ^2/NDF: 116.4/65

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.016+/-0.009 χ^2/NDF:114.1/59

All: 0.007+/-0.006 χ^2/NDF: 180.3/113



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: 51.809+/-0.009 χ^2/NDF: 2380738.2/34

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

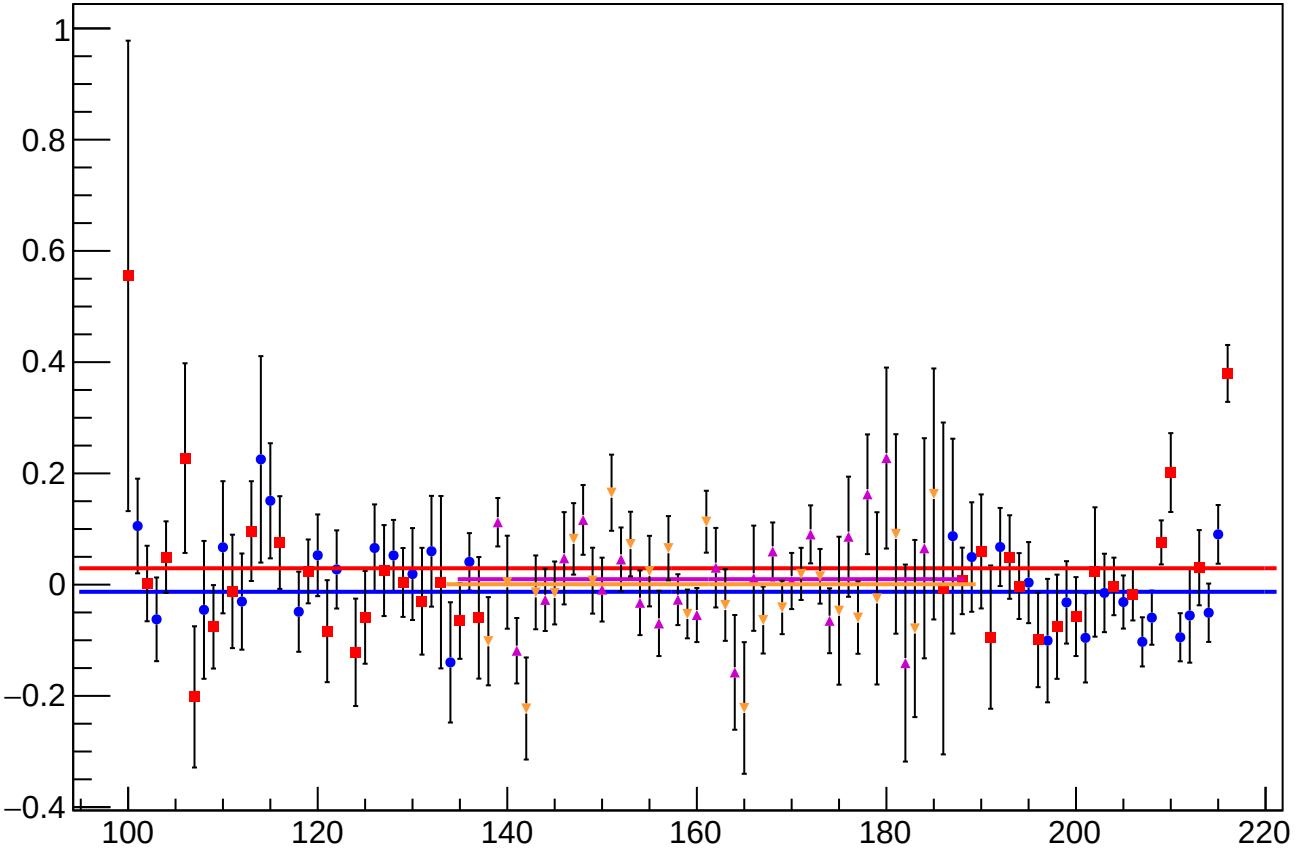
Right: 51.885+/-0.006 χ^2/NDF: 4199587.7/65

In: 52.218+/-0.006 χ^2/NDF:4378226.3/53

Out: 52.854+/-0.006 χ^2/NDF:5637479.6/59

All: 52.536+/-0.005 χ^2/NDF: 10020578.7/113

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: 0.029+/-0.013 χ^2/NDF: 79.9/34

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

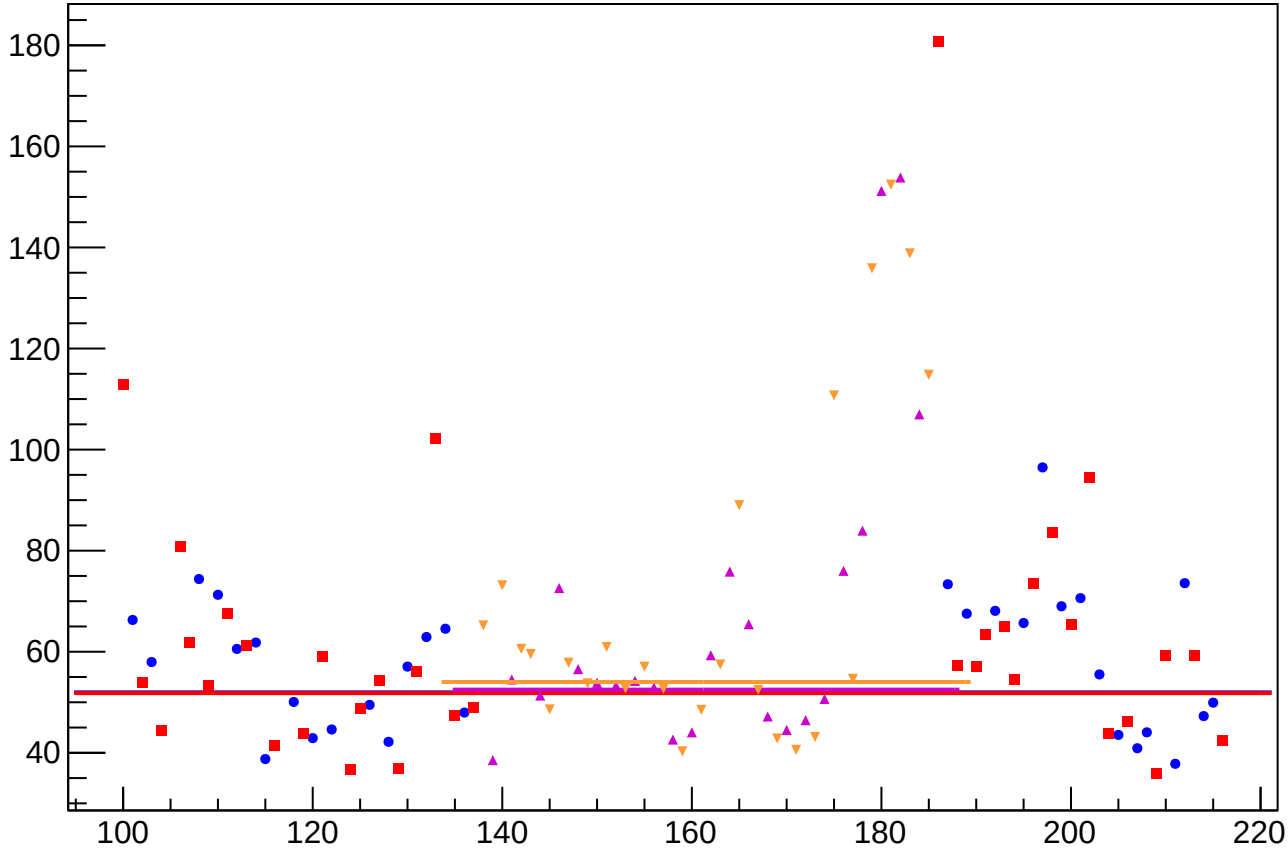
Right: 0.008+/-0.009 χ^2/NDF: 116.4/65

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.016+/-0.009 χ^2/NDF:114.1/59

All: 0.007+/-0.006 χ^2/NDF: 180.3/113

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 51.809+/-0.009 χ^2/NDF: 2380738.2/34

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

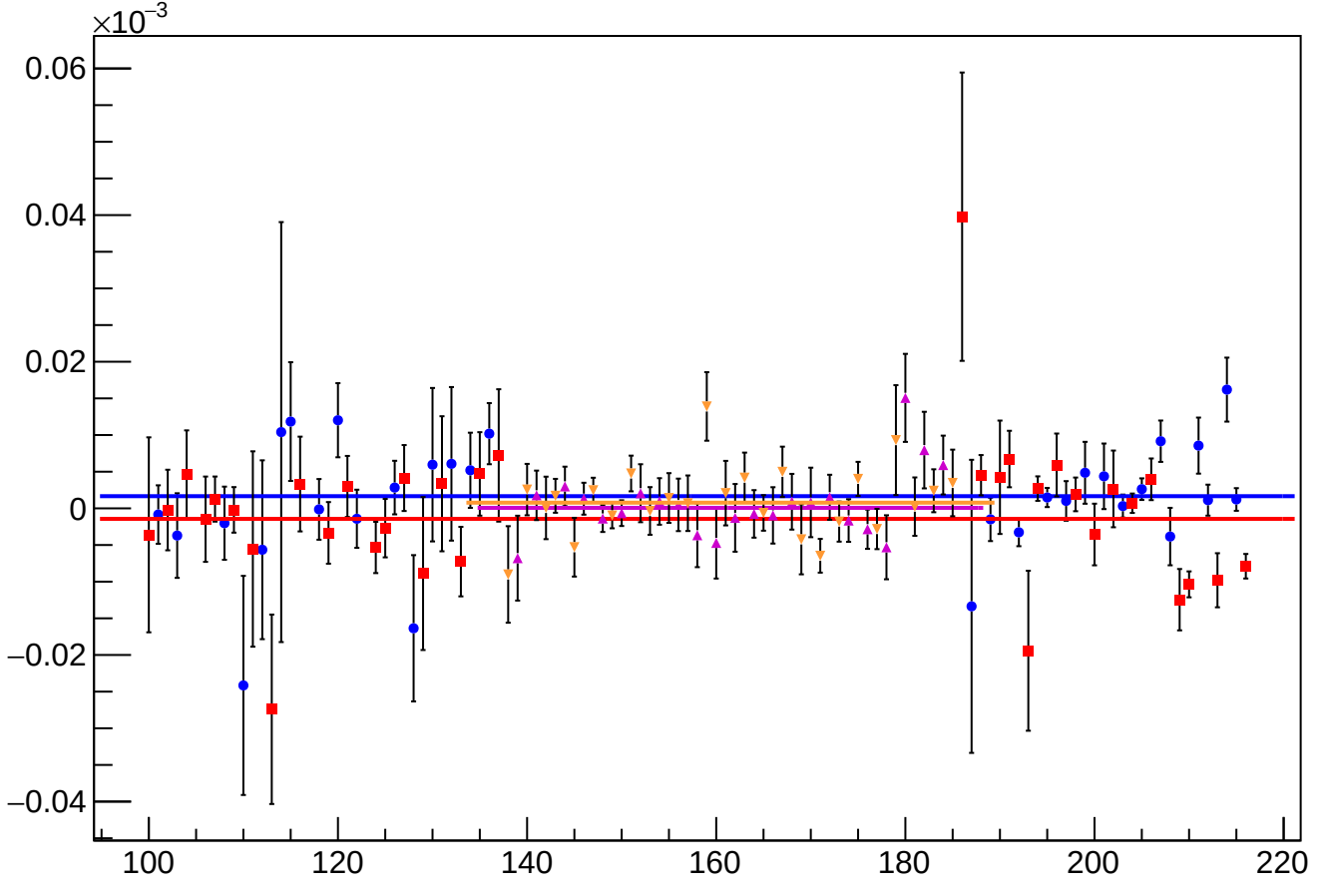
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 51.885+/-0.006 χ^2/NDF: 4199587.7/65

In: 52.218+/-0.006 χ^2/NDF:4378226.3/53

Out: 52.854+/-0.006 χ^2/NDF:5637479.6/59

All: 52.536+/-0.005 χ^2/NDF: 10020578.7/113



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: 102.9/34

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

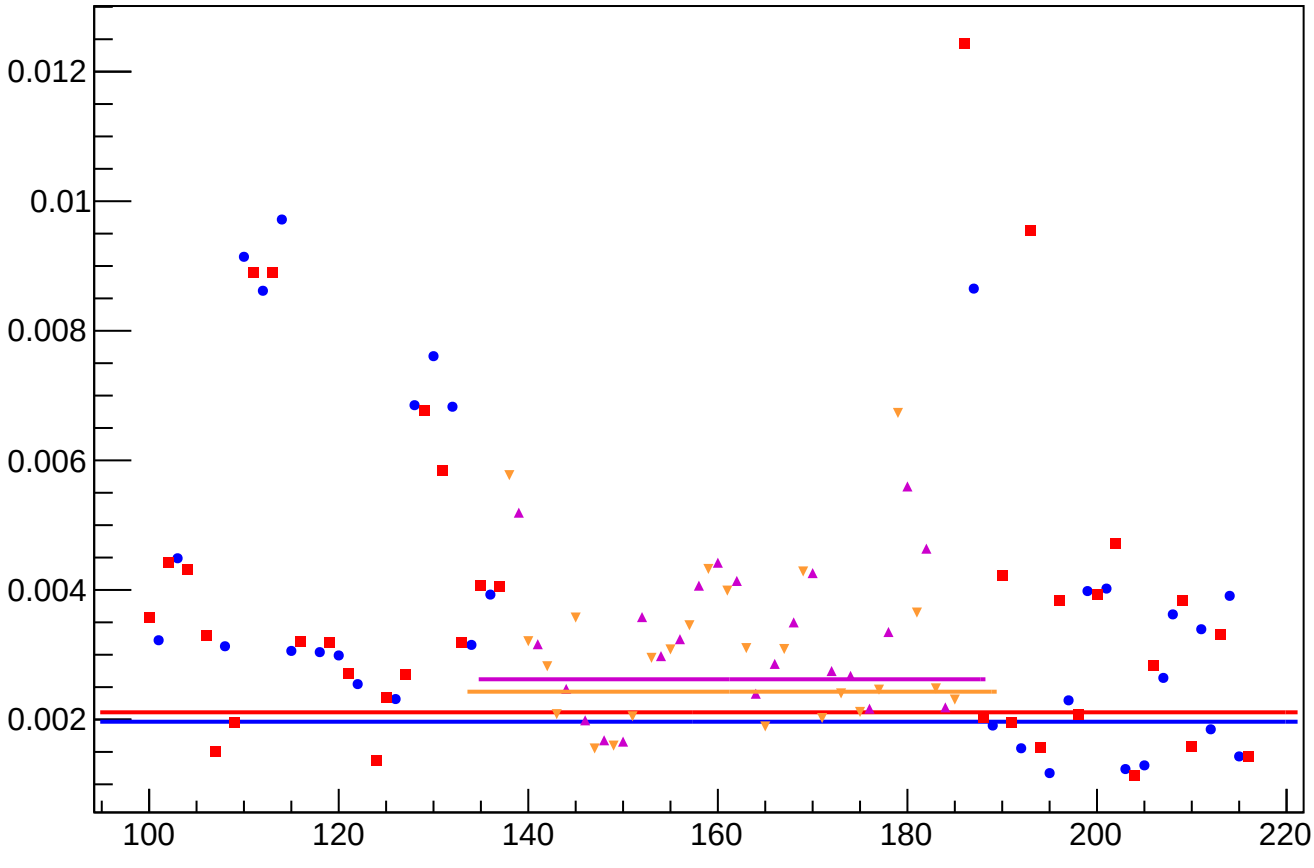
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 173.4/65

In: 0.000+/-0.000 χ^2/NDF:78.1/53

Out: -0.000+/-0.000 χ^2/NDF:148.3/59

All: 0.000+/-0.000 χ^2/NDF: 232.5/113



Right In: 0.002+/-0.000 χ^2/NDF: 8461101.2/30

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8736244.8/34

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

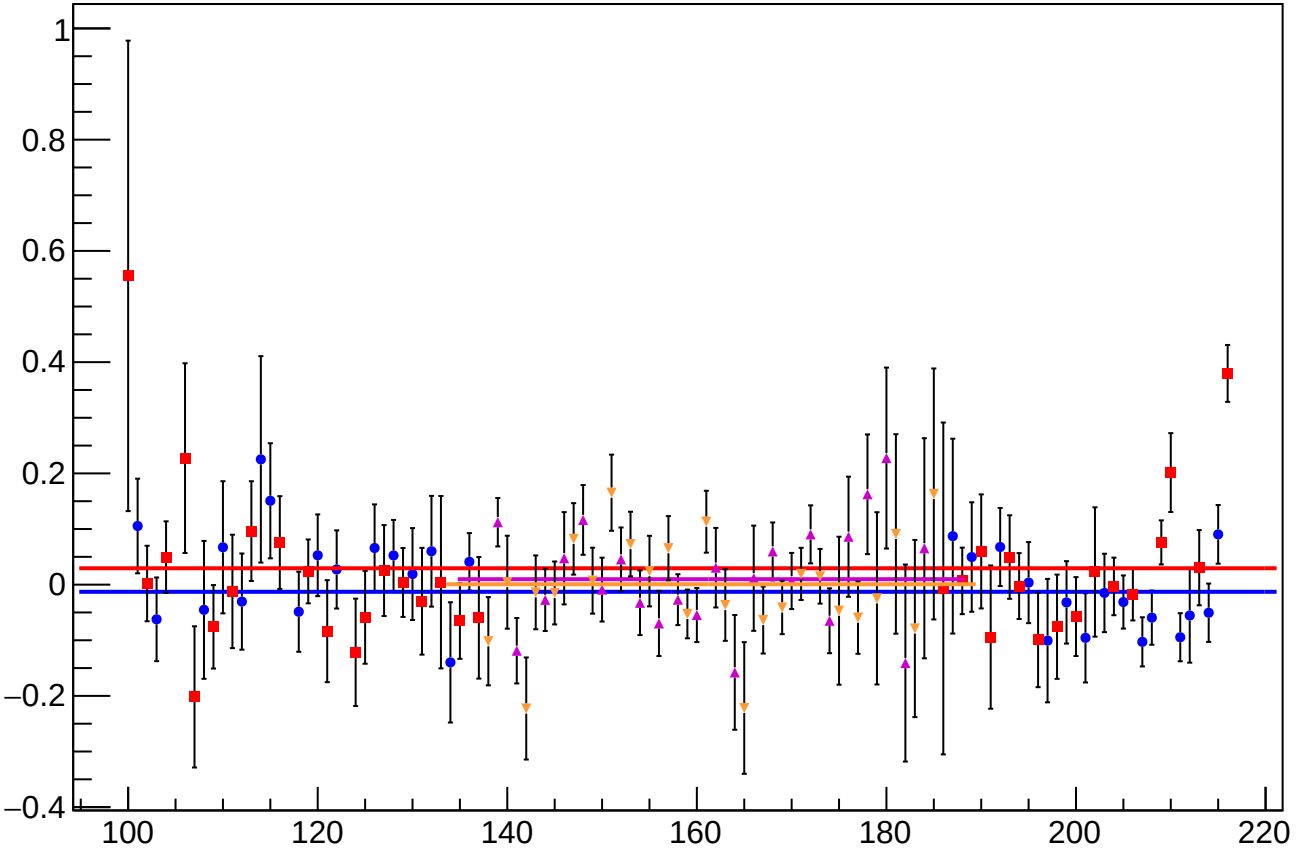
Right: 0.002+/-0.000 χ^2/NDF: 17268546.8/65

In: 0.002+/-0.000 χ^2/NDF:13613745.1/53

Out: 0.002+/-0.000 χ^2/NDF:13260025.8/59

All: 0.002+/-0.000 χ^2/NDF: 26883320.9/113

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: 0.029+/-0.013 χ^2/NDF: 79.9/34

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

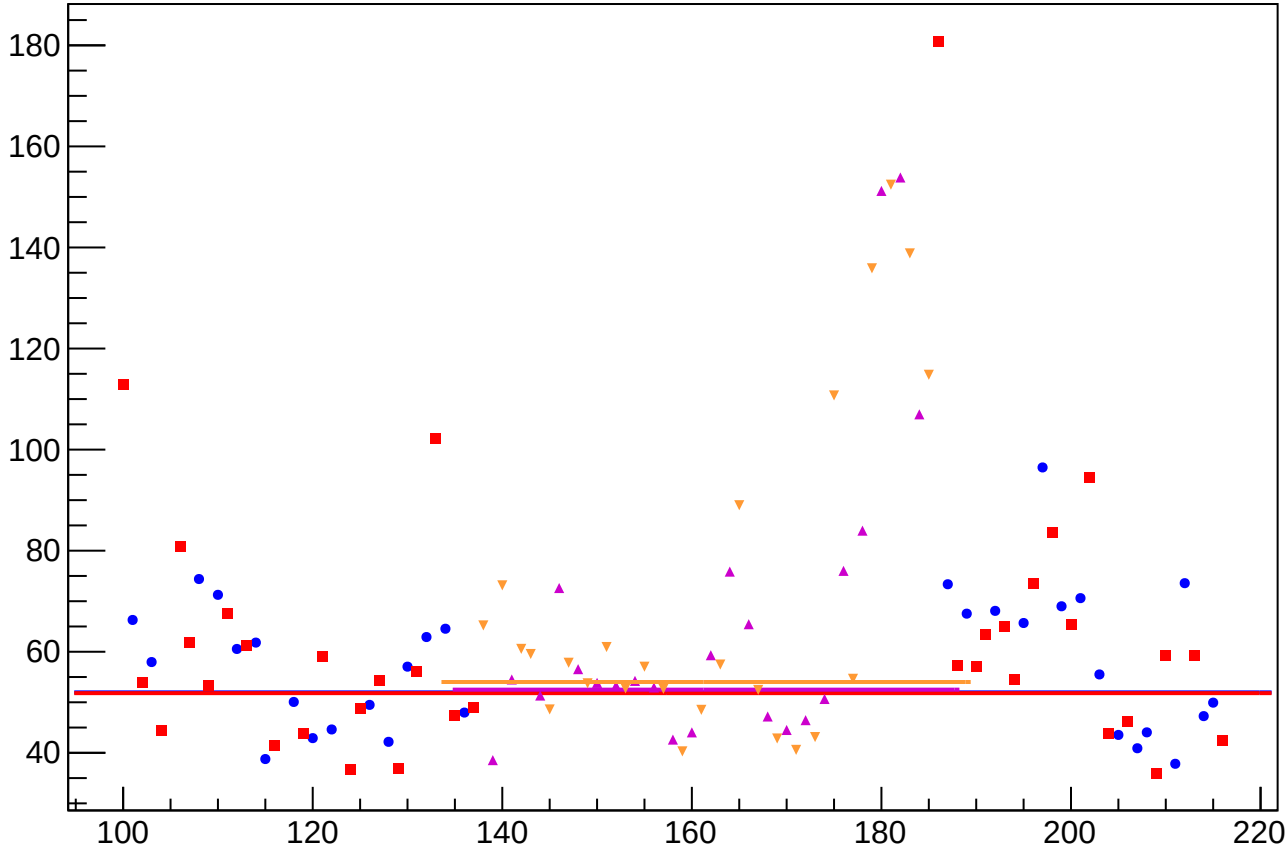
Right: 0.008+/-0.009 χ^2/NDF: 116.4/65

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.016+/-0.009 χ^2/NDF:114.1/59

All: 0.007+/-0.006 χ^2/NDF: 180.3/113

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: 51.809+/-0.009 χ^2/NDF: 2380668.1/34

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

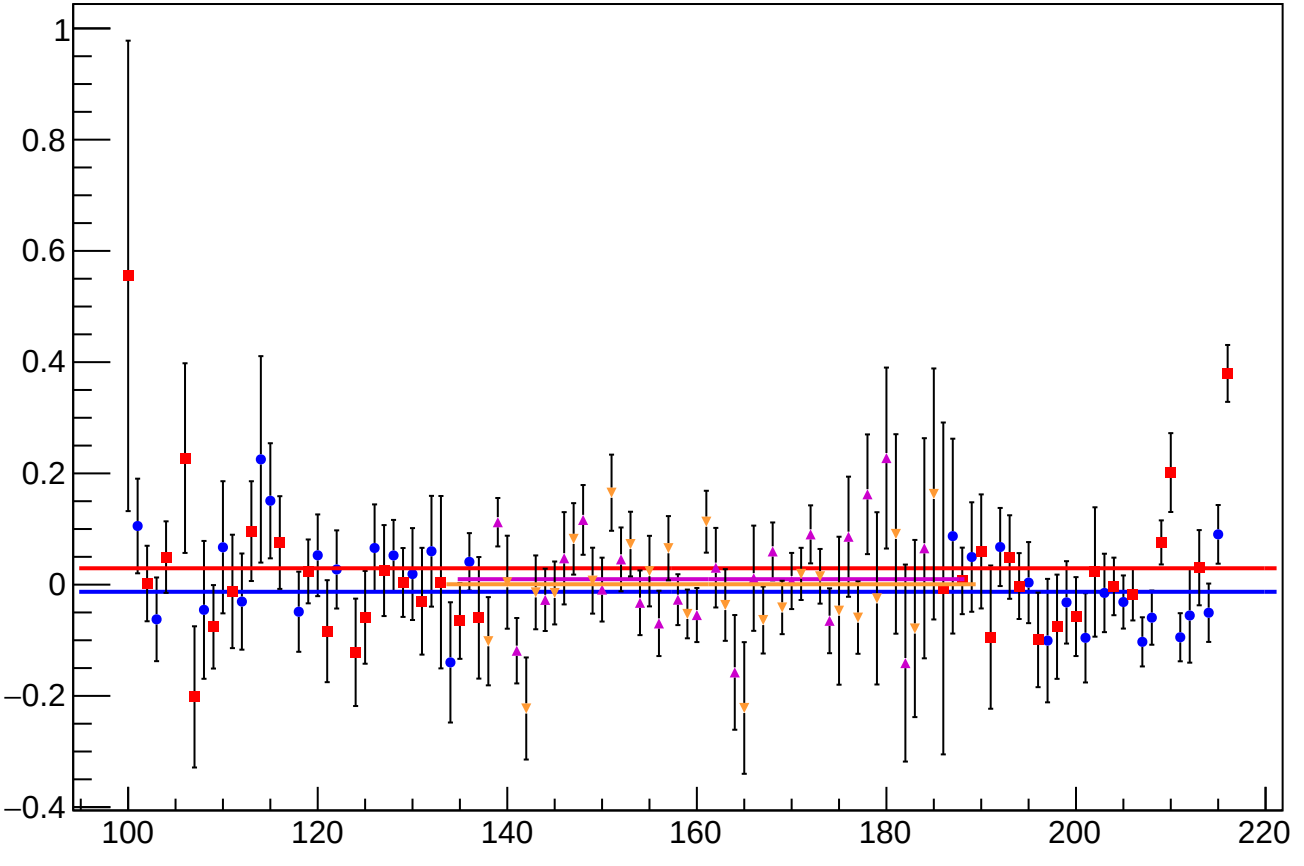
Right: 51.884+/-0.006 χ^2/NDF: 4199438.4/65

In: 52.218+/-0.006 χ^2/NDF:4378195.3/53

Out: 52.854+/-0.006 χ^2/NDF:5637445.5/59

All: 52.536+/-0.005 χ^2/NDF: 10020516.2/113

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: 0.029+/-0.013 χ^2/NDF: 79.9/34

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

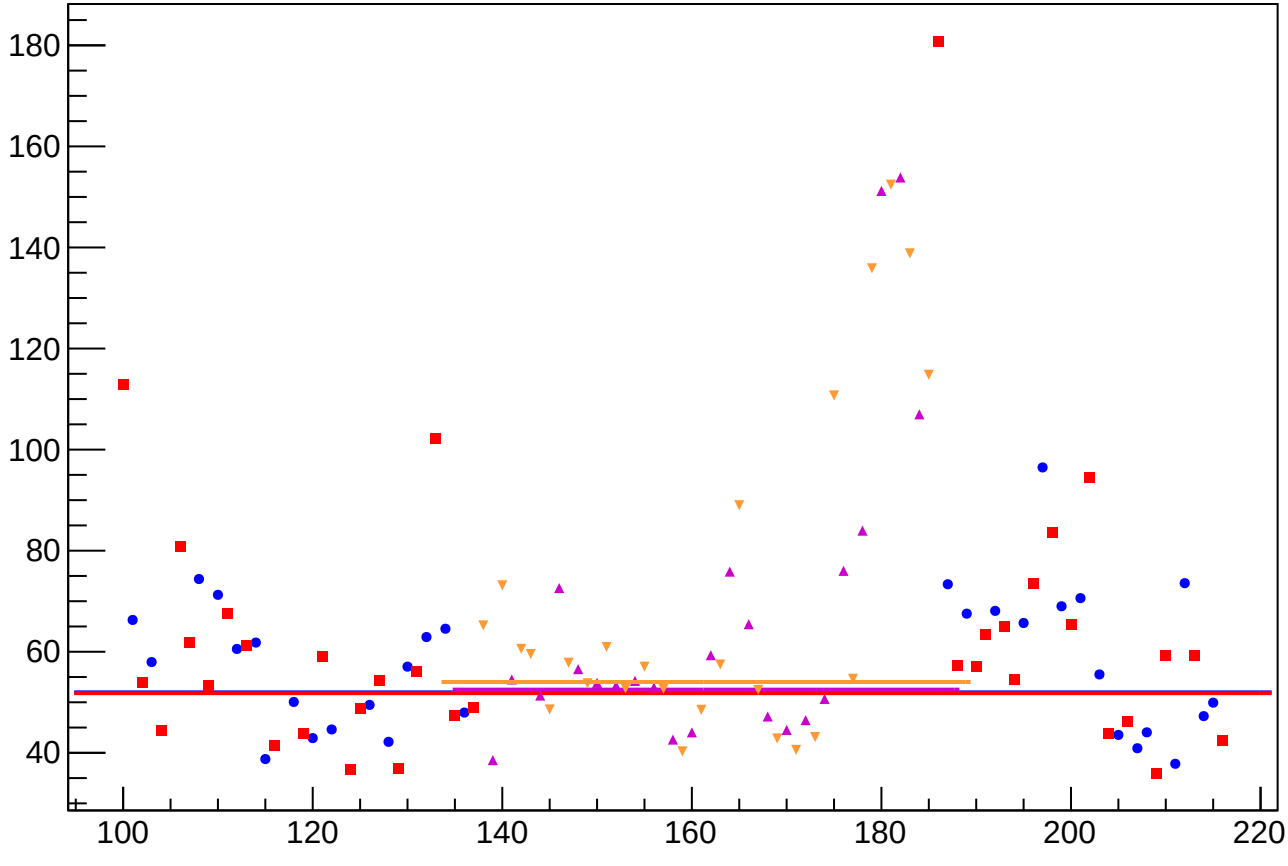
Right: 0.008+/-0.009 χ^2/NDF: 116.4/65

In: -0.002+/-0.009 χ^2/NDF:64.3/53

Out: 0.016+/-0.009 χ^2/NDF:114.1/59

All: 0.007+/-0.006 χ^2/NDF: 180.3/113

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: 51.809+/-0.009 χ^2/NDF: 2380668.1/34

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

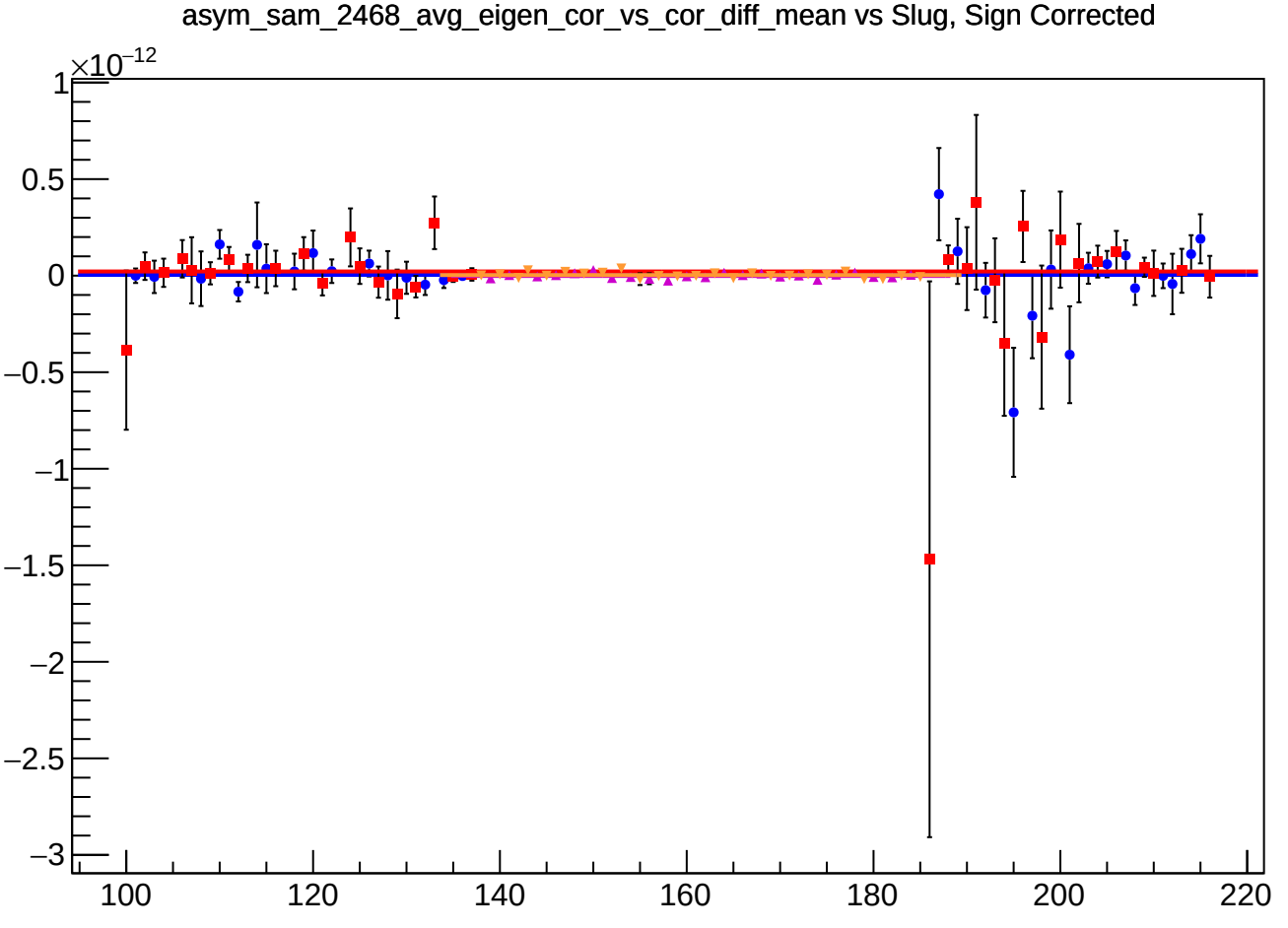
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 51.884+/-0.006 χ^2/NDF: 4199438.4/65

In: 52.218+/-0.006 χ^2/NDF:4378195.3/53

Out: 52.854+/-0.006 χ^2/NDF:5637445.5/59

All: 52.536+/-0.005 χ^2/NDF: 10020516.2/113



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: 22.1/34

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

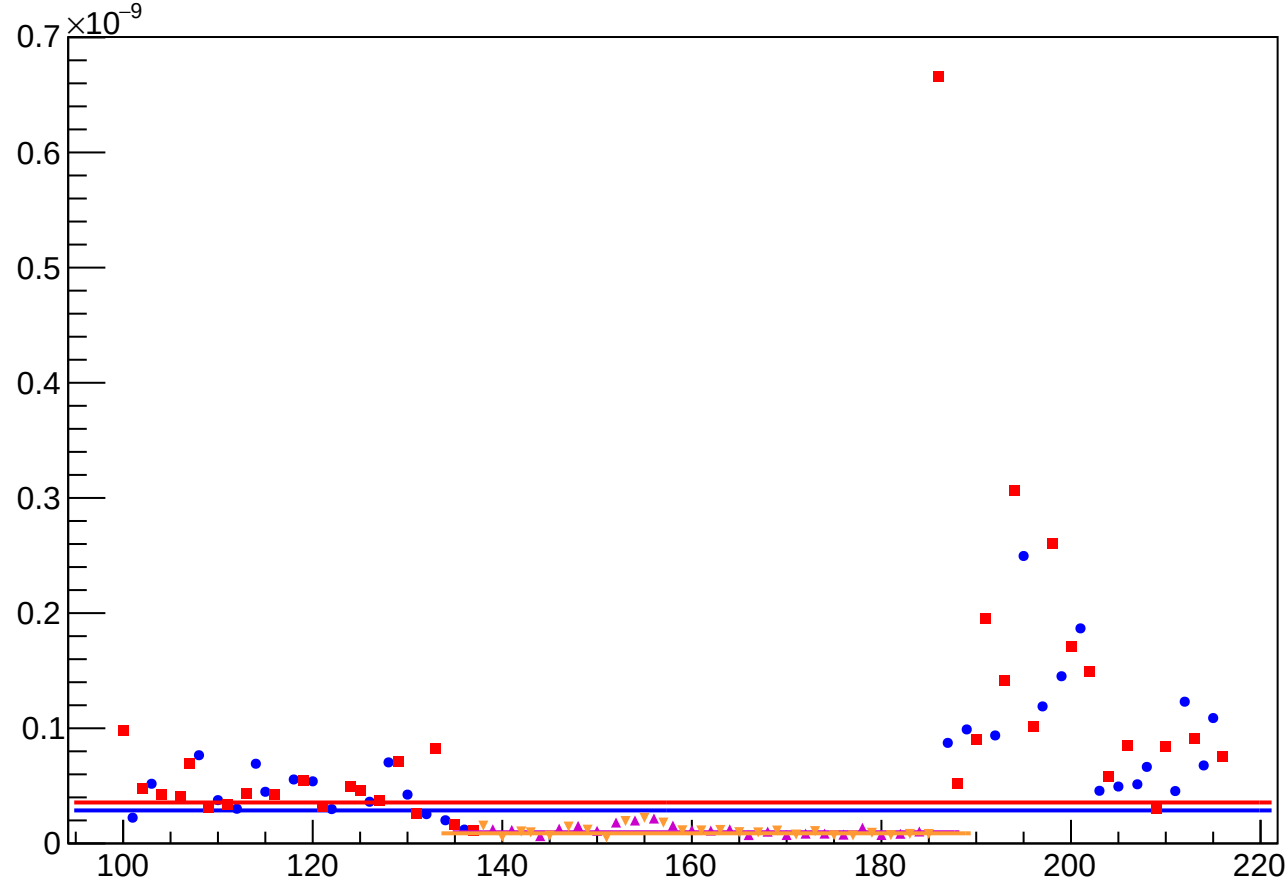
Right: 0.000+/-0.000 χ^2/NDF: 53.3/65

In: -0.000+/-0.000 χ^2/NDF:45.6/53

Out: 0.000+/-0.000 χ^2/NDF:46.0/59

All: 0.000+/-0.000 χ^2/NDF: 93.3/113

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: 9229148.6/34

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

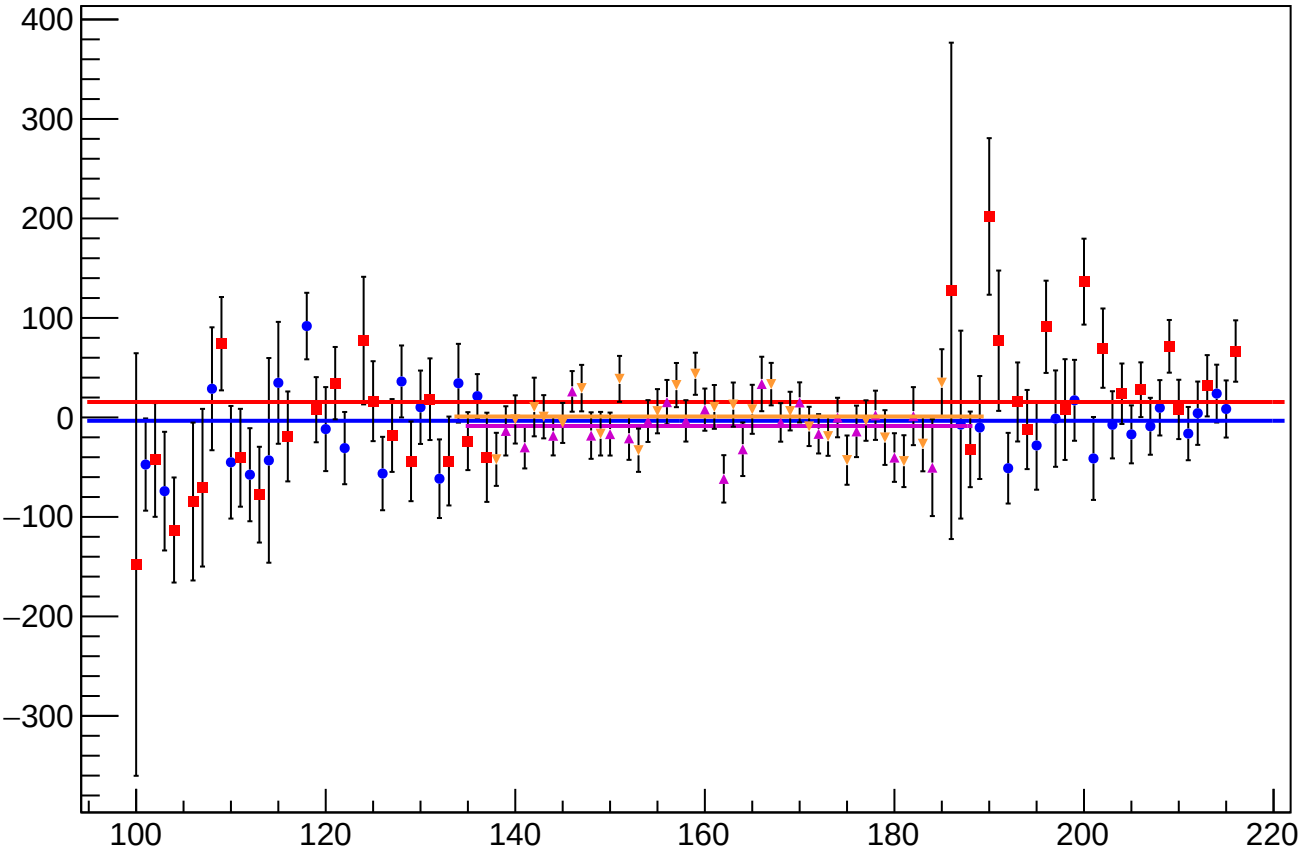
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 19124545.5/65

In: 0.000+/-0.000 χ^2/NDF:17432070.7/53

Out: 0.000+/-0.000 χ^2/NDF:19947635.3/59

All: 0.000+/-0.000 χ^2/NDF: 37536216.1/113



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: 15.513+/-6.917 χ^2/NDF: 55.8/34

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

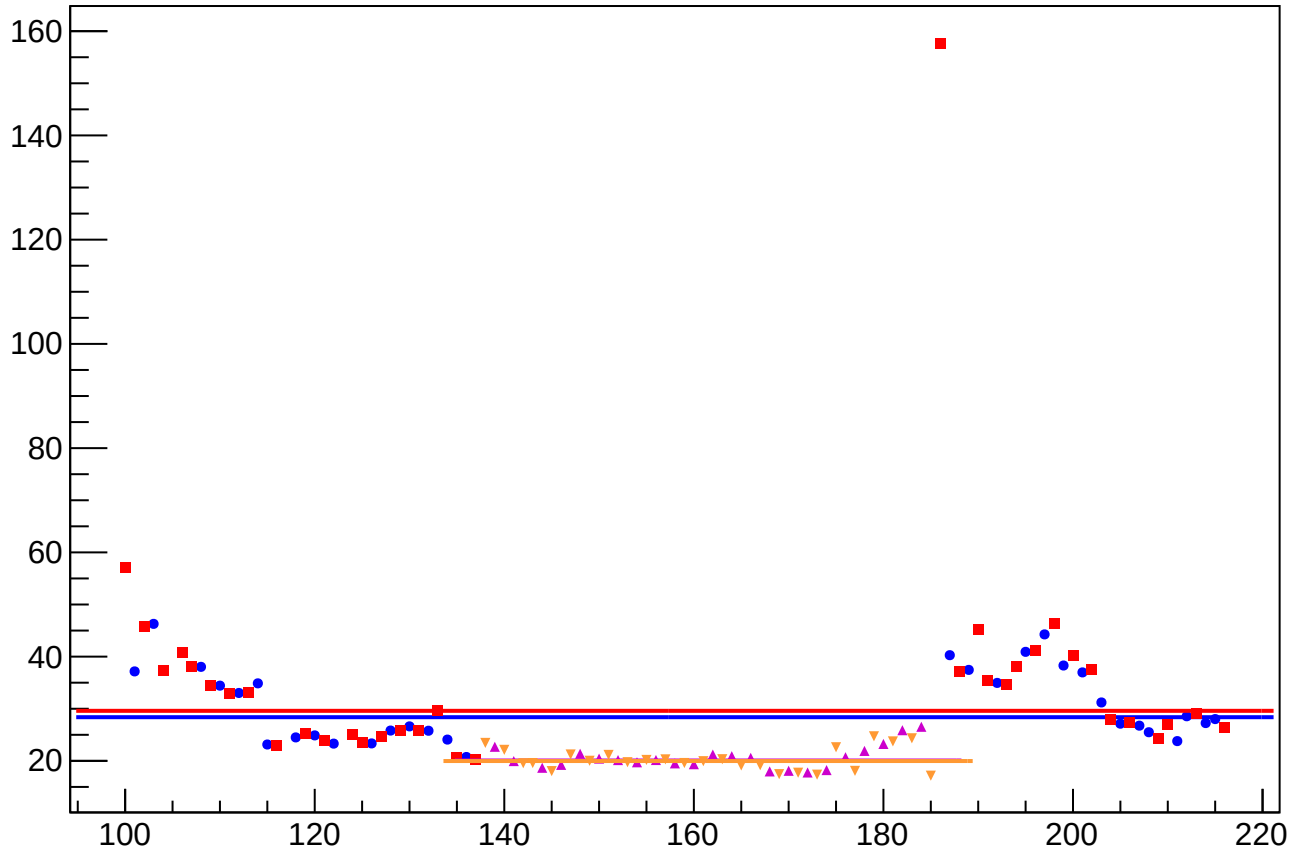
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 5.693+/-4.792 χ^2/NDF: 86.2/65

In: -6.845+/-3.850 χ^2/NDF:46.3/53

Out: 5.358+/-3.815 χ^2/NDF:88.1/59

All: -0.688+/-2.710 χ^2/NDF: 139.5/113



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: 29.602+/-0.005 χ^2/NDF: 2372021.6/34

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

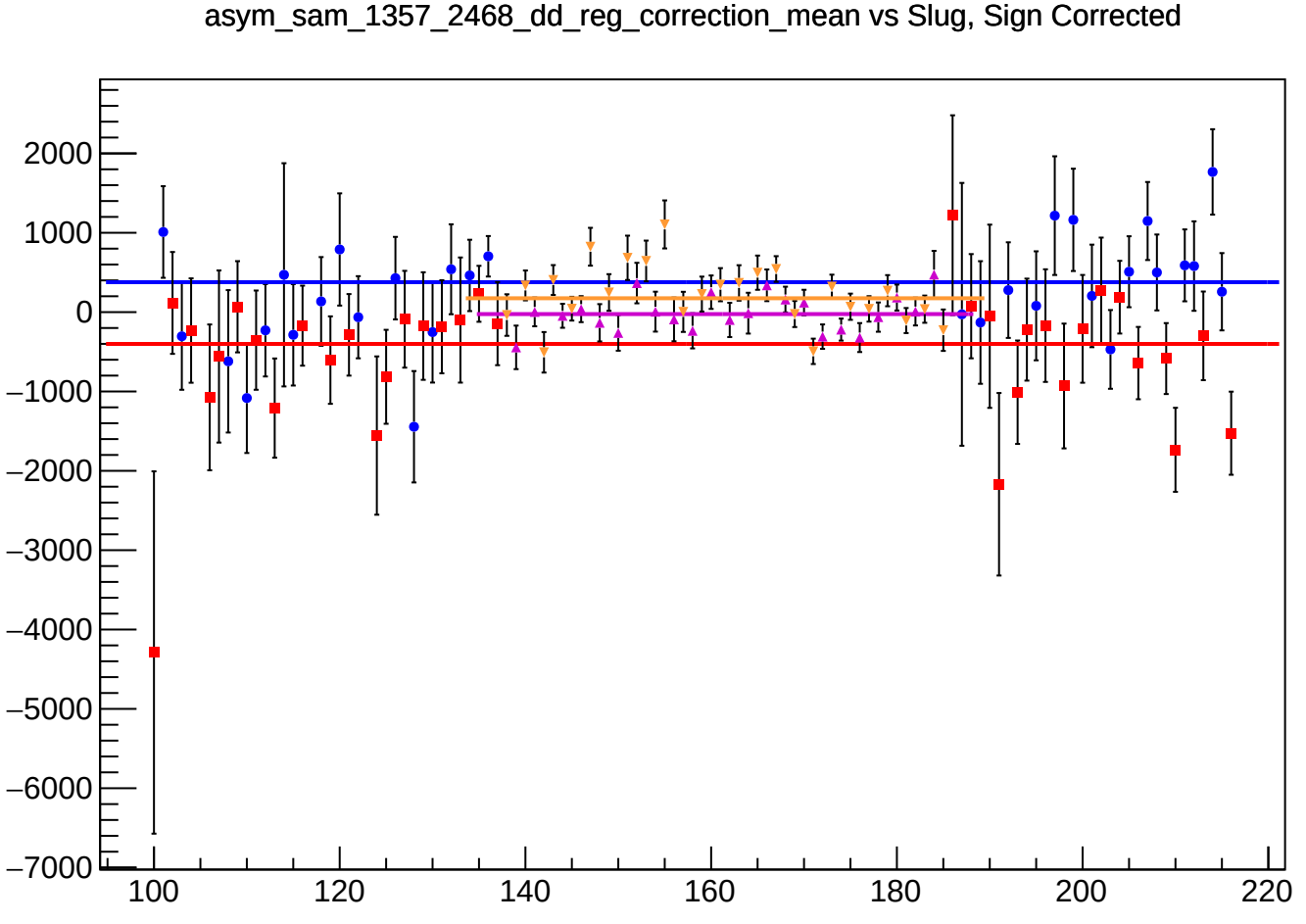
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 28.966+/-0.003 χ^2/NDF: 4019924.3/65

In: 22.861+/-0.003 χ^2/NDF:3993191.0/53

Out: 22.899+/-0.003 χ^2/NDF:5457815.6/59

All: 22.880+/-0.002 χ^2/NDF: 9451109.3/113



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: -400.791+/-103.516 χ^2/NDF: 33.2/34

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

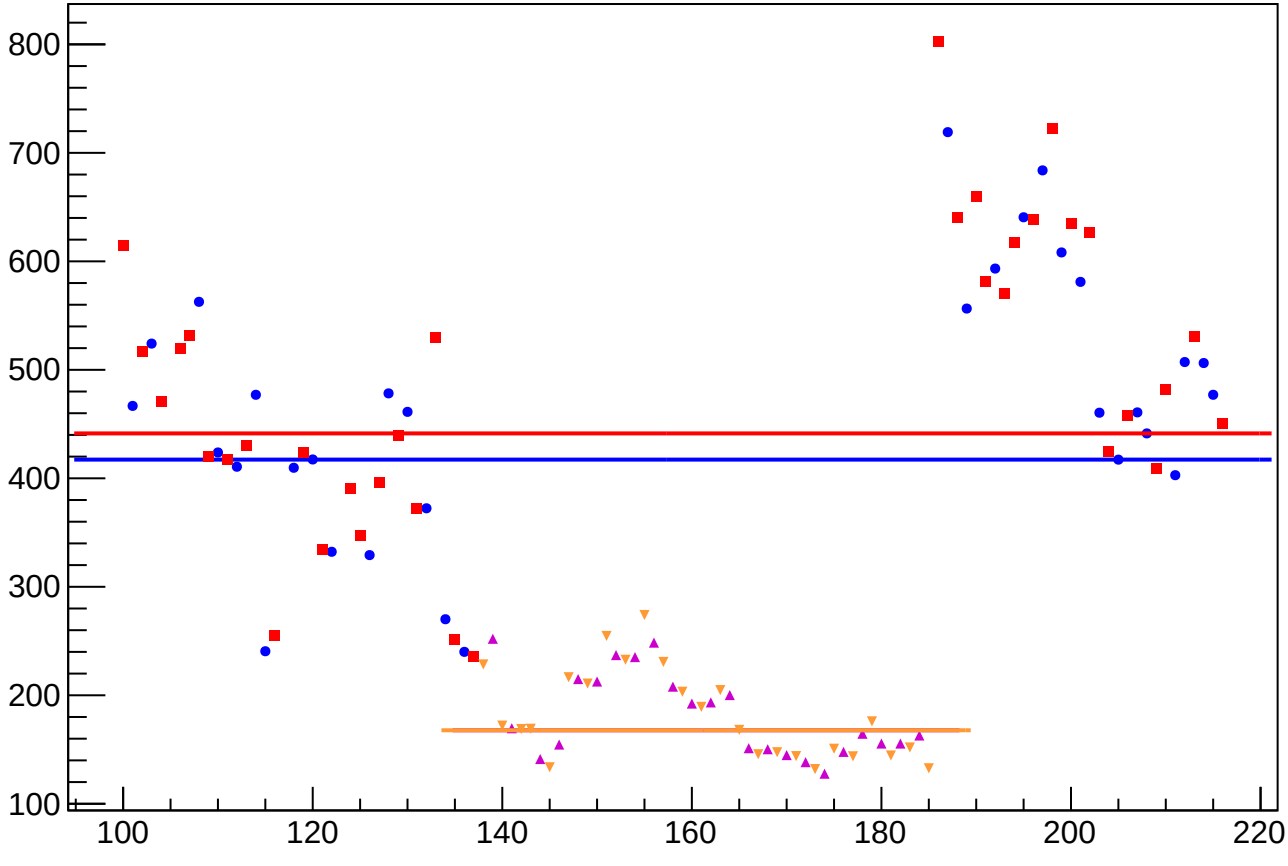
Right: 4.978+/-71.603 χ^2/NDF: 99.6/65

In: 31.826+/-37.151 χ^2/NDF:77.9/53

Out: 103.003+/-36.536 χ^2/NDF:131.5/59

All: 68.008+/-26.050 χ^2/NDF: 211.3/113

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: 441.397+/-0.073 χ^2/NDF: 2932111.8/34

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

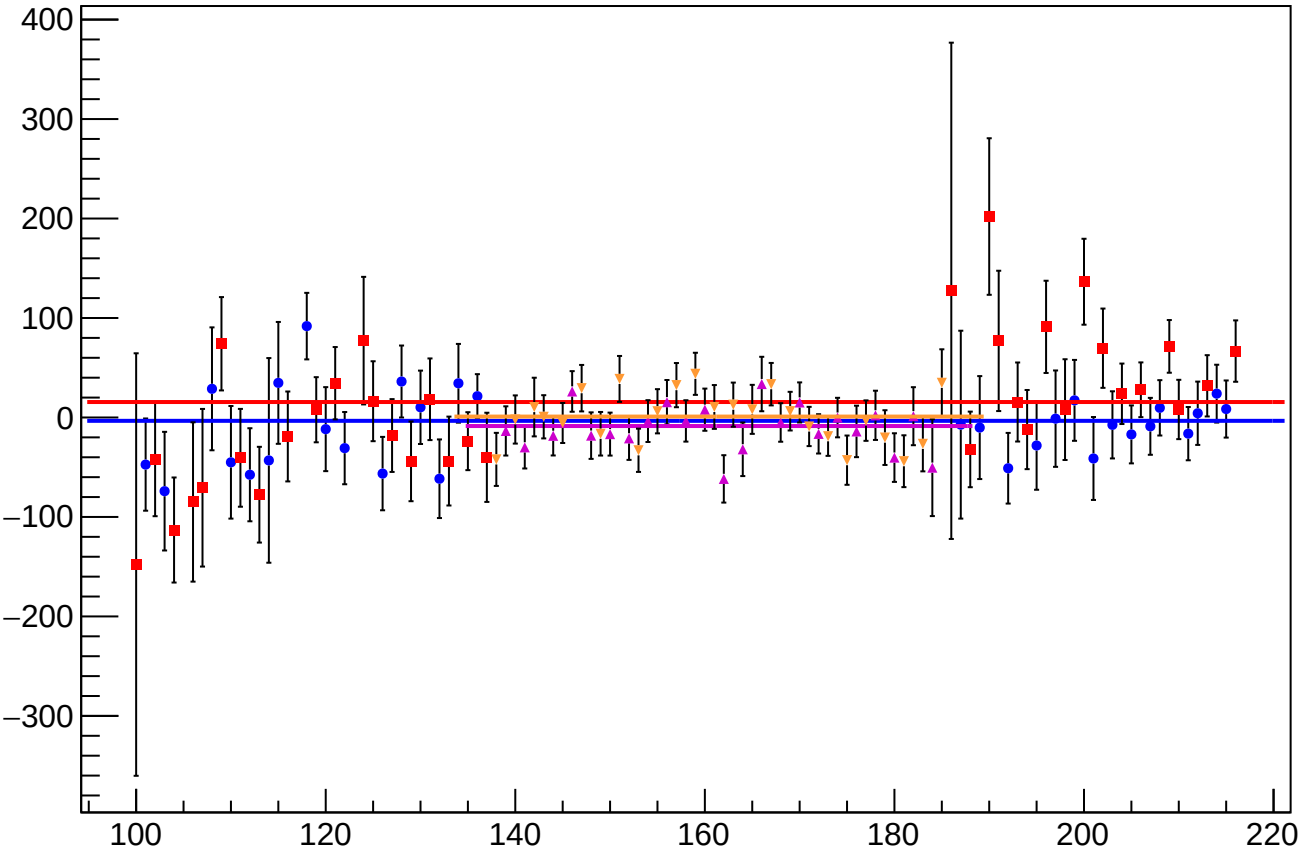
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 428.800+/-0.051 χ^2/NDF: 5835447.2/65

In: 202.778+/-0.026 χ^2/NDF:15136024.3/53

Out: 201.843+/-0.026 χ^2/NDF:16745237.2/59

All: 202.302+/-0.018 χ^2/NDF: 31881905.4/11



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: 15.535+/-6.917 χ^2/NDF: 55.8/34

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

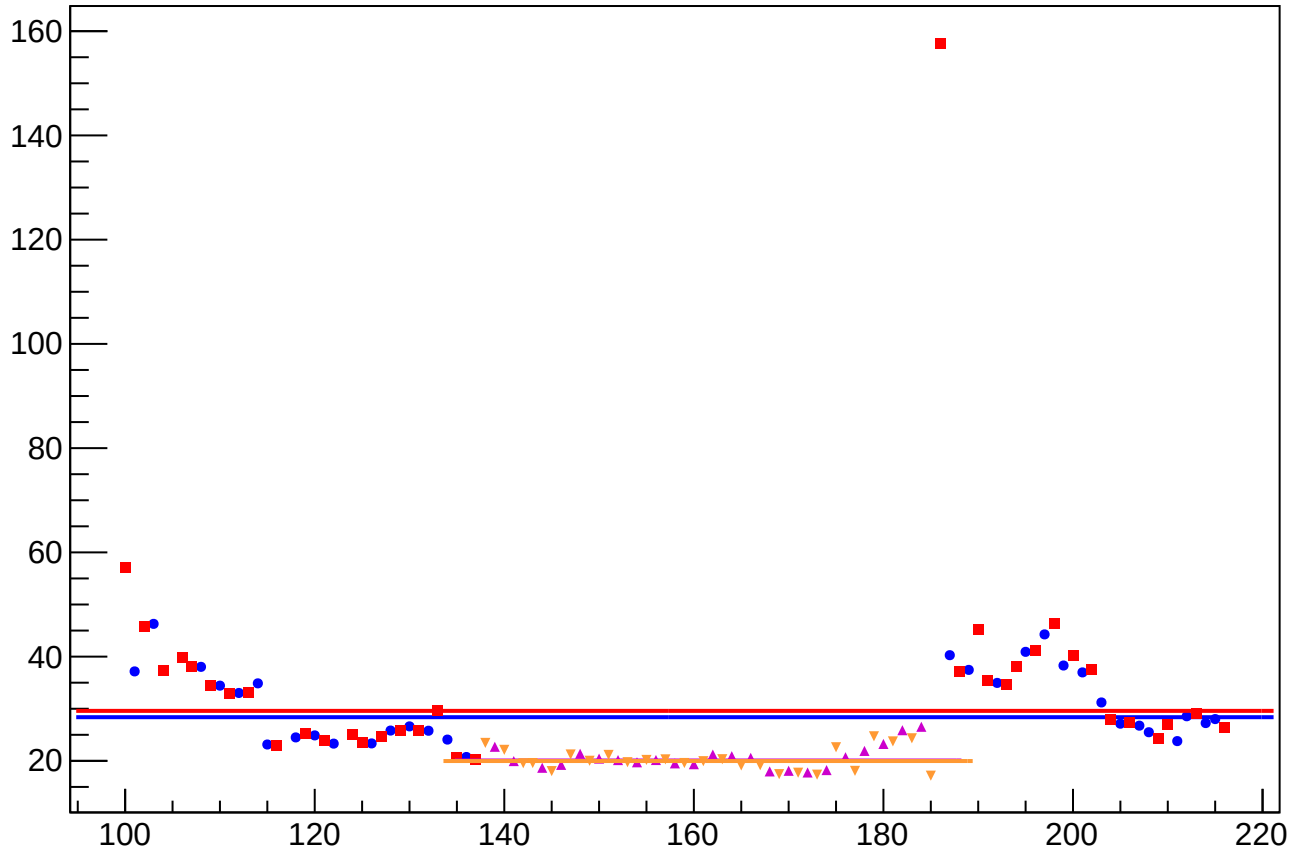
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 5.704+/-4.792 χ^2/NDF: 86.1/65

In: -6.845+/-3.850 χ^2/NDF:46.3/53

Out: 5.362+/-3.815 χ^2/NDF:88.1/59

All: -0.686+/-2.710 χ^2/NDF: 139.4/113



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: 29.592+/-0.005 χ^2/NDF: 2364286.2/34

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

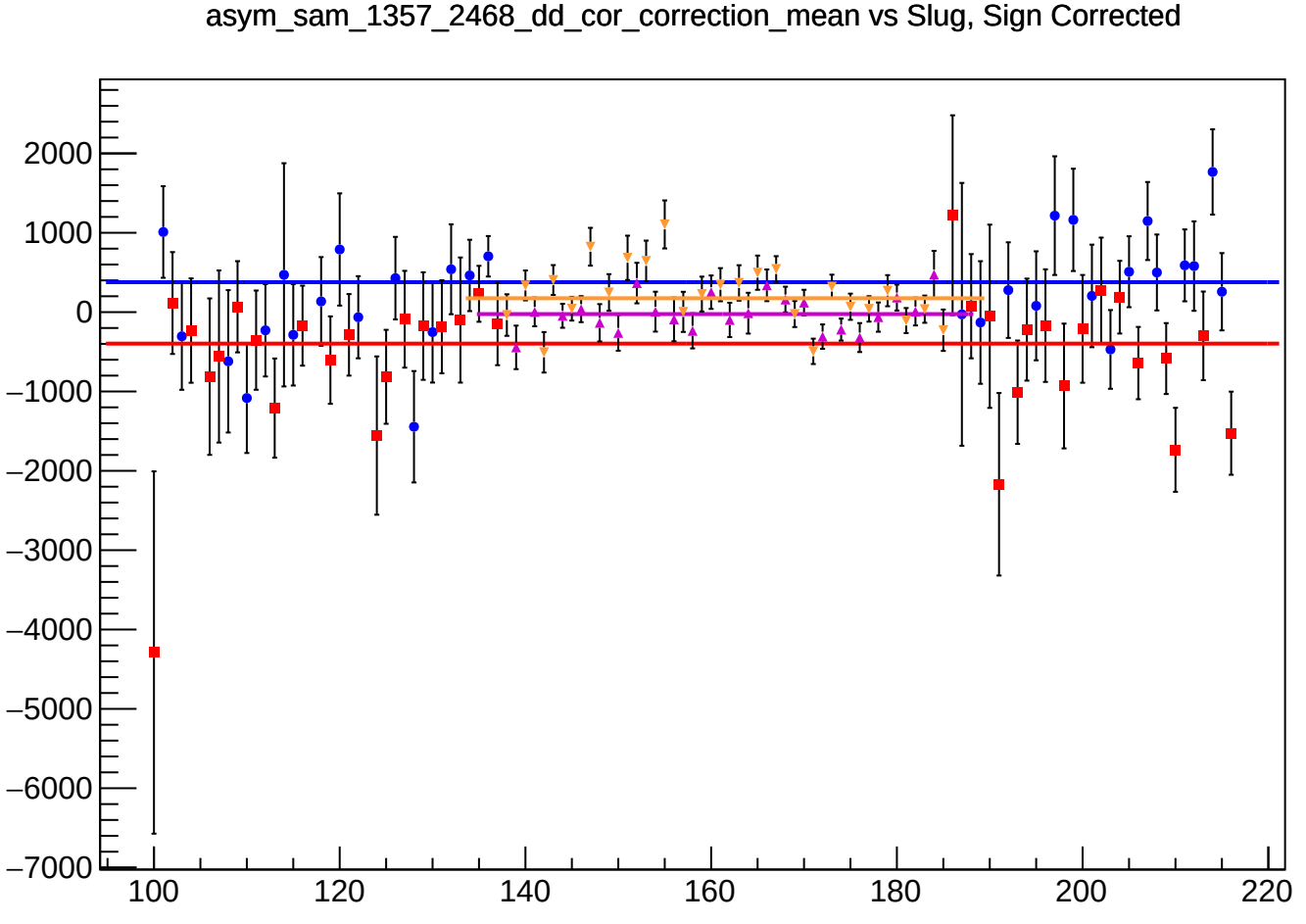
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.961+/-0.003 χ^2/NDF: 4011682.9/65

In: 22.861+/-0.003 χ^2/NDF:3993194.4/53

Out: 22.896+/-0.003 χ^2/NDF:5444435.9/59

All: 22.879+/-0.002 χ^2/NDF: 9437716.6/113



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: -396.830+/-103.604 χ^2/NDF: 32.8/34

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

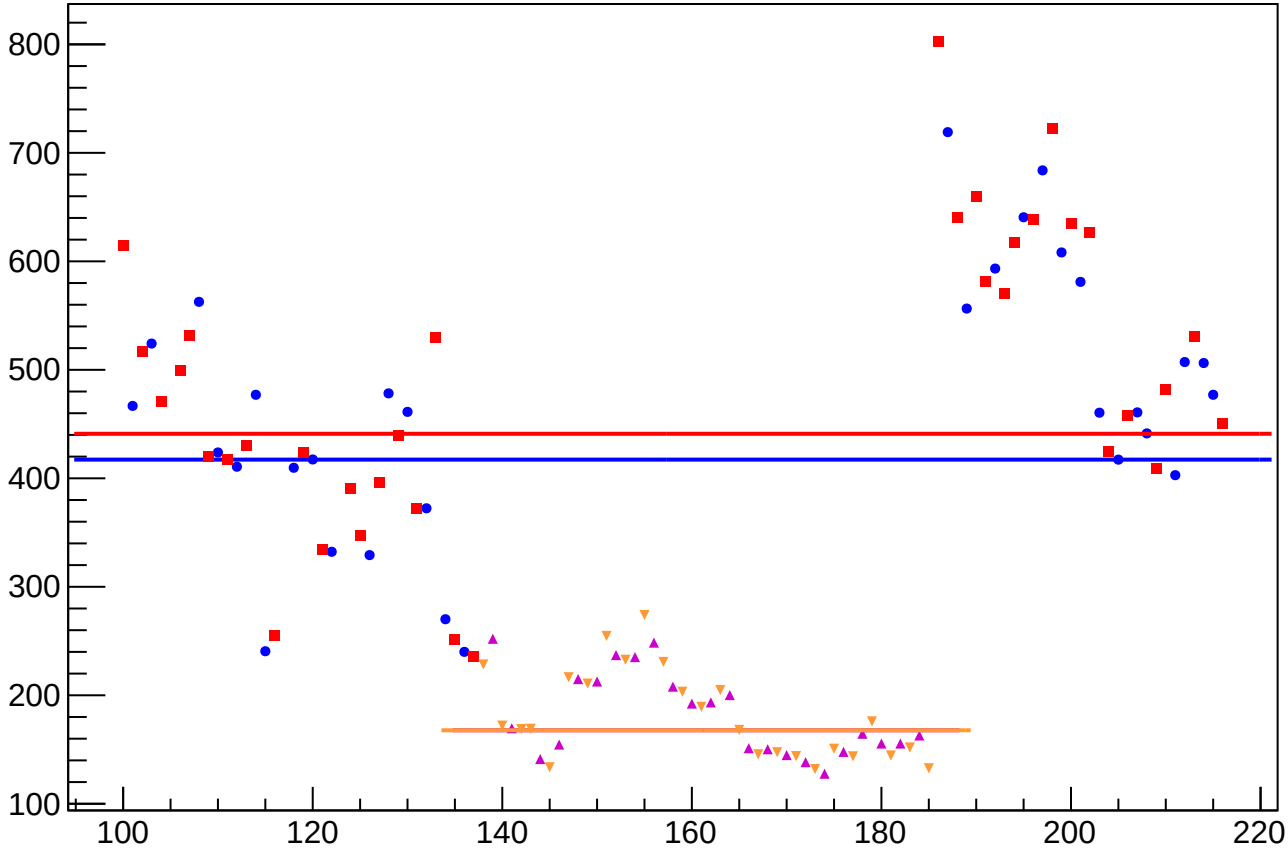
Right: 7.199+/-71.632 χ^2/NDF: 98.9/65

In: 31.825+/-37.151 χ^2/NDF:77.9/53

Out: 103.601+/-36.540 χ^2/NDF:130.7/59

All: 68.308+/-26.051 χ^2/NDF: 210.5/113

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: 441.046+/-0.073 χ^2/NDF: 2924599.9/34

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

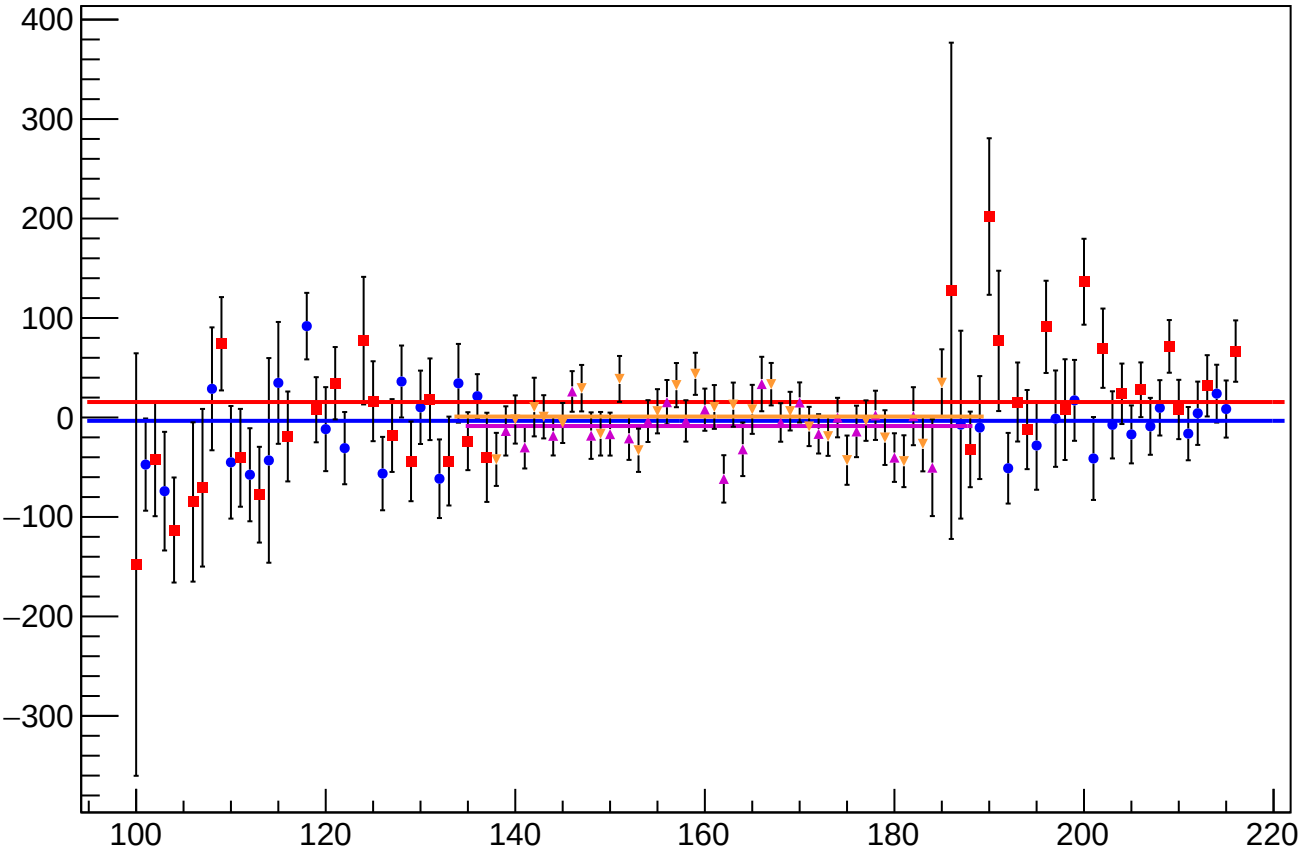
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 428.622+/-0.051 χ^2/NDF: 5826269.7/65

In: 202.778+/-0.026 χ^2/NDF:15136035.4/53

Out: 201.748+/-0.026 χ^2/NDF:16688204.9/59

All: 202.255+/-0.018 χ^2/NDF: 31825020.8/11



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: 15.535+/-6.917 χ^2/NDF: 55.8/34

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

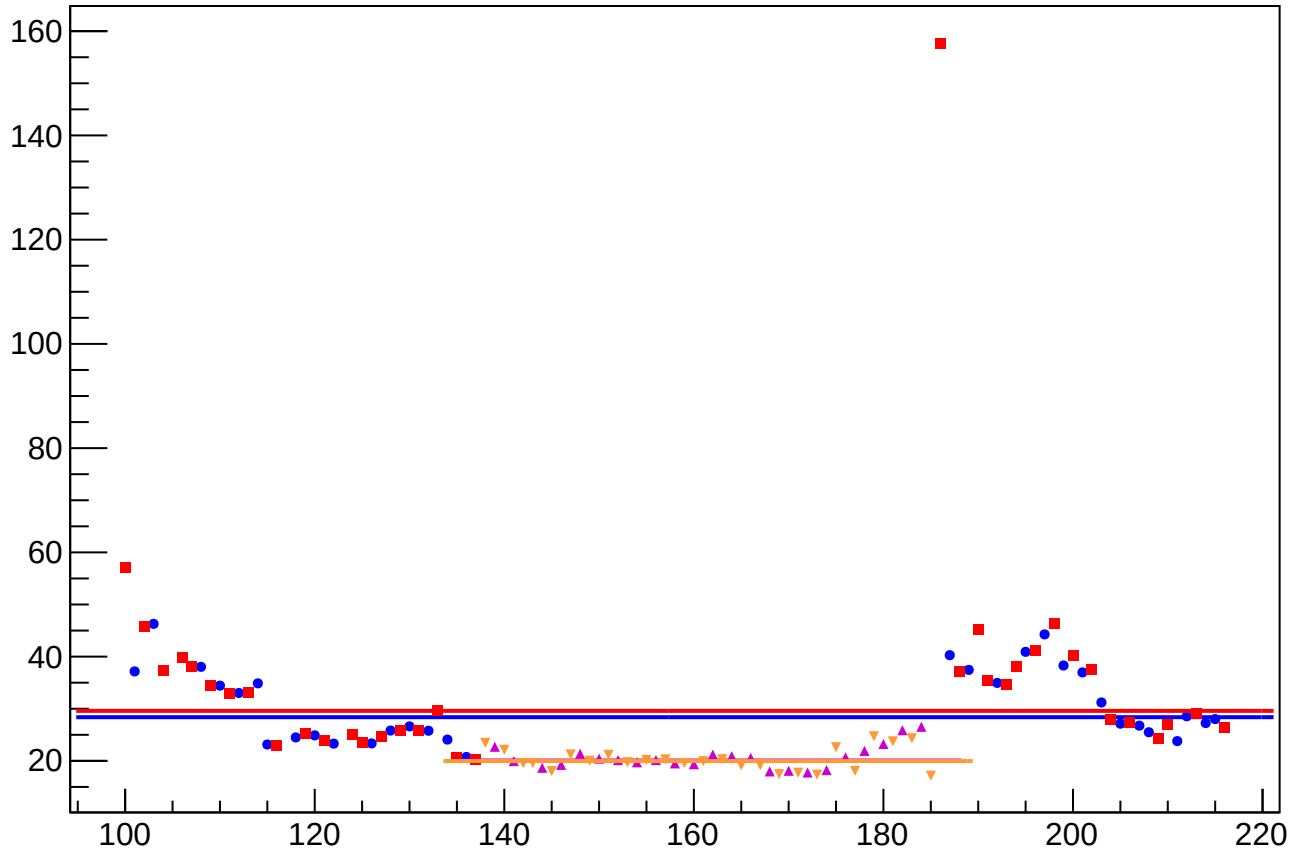
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 5.704+/-4.792 χ^2/NDF: 86.1/65

In: -6.845+/-3.850 χ^2/NDF:46.3/53

Out: 5.362+/-3.815 χ^2/NDF:88.1/59

All: -0.686+/-2.710 χ^2/NDF: 139.4/113



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: 29.592+/-0.005 χ^2/NDF: 2364286.2/34

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

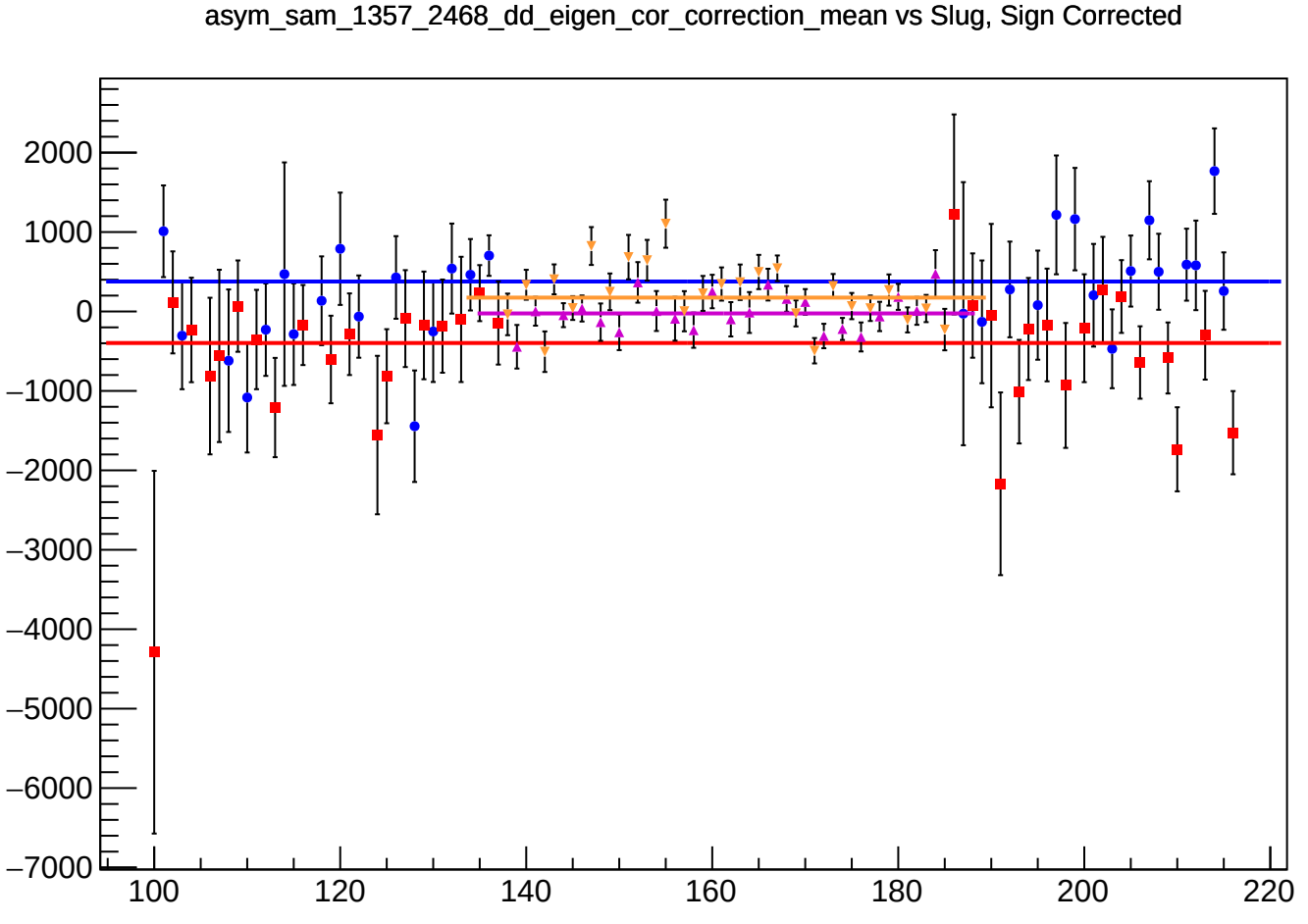
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 28.961+/-0.003 χ^2/NDF: 4011682.9/65

In: 22.861+/-0.003 χ^2/NDF:3993194.4/53

Out: 22.896+/-0.003 χ^2/NDF:5444435.9/59

All: 22.879+/-0.002 χ^2/NDF: 9437716.6/113



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: -396.830+/-103.604 χ^2/NDF: 32.8/34

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

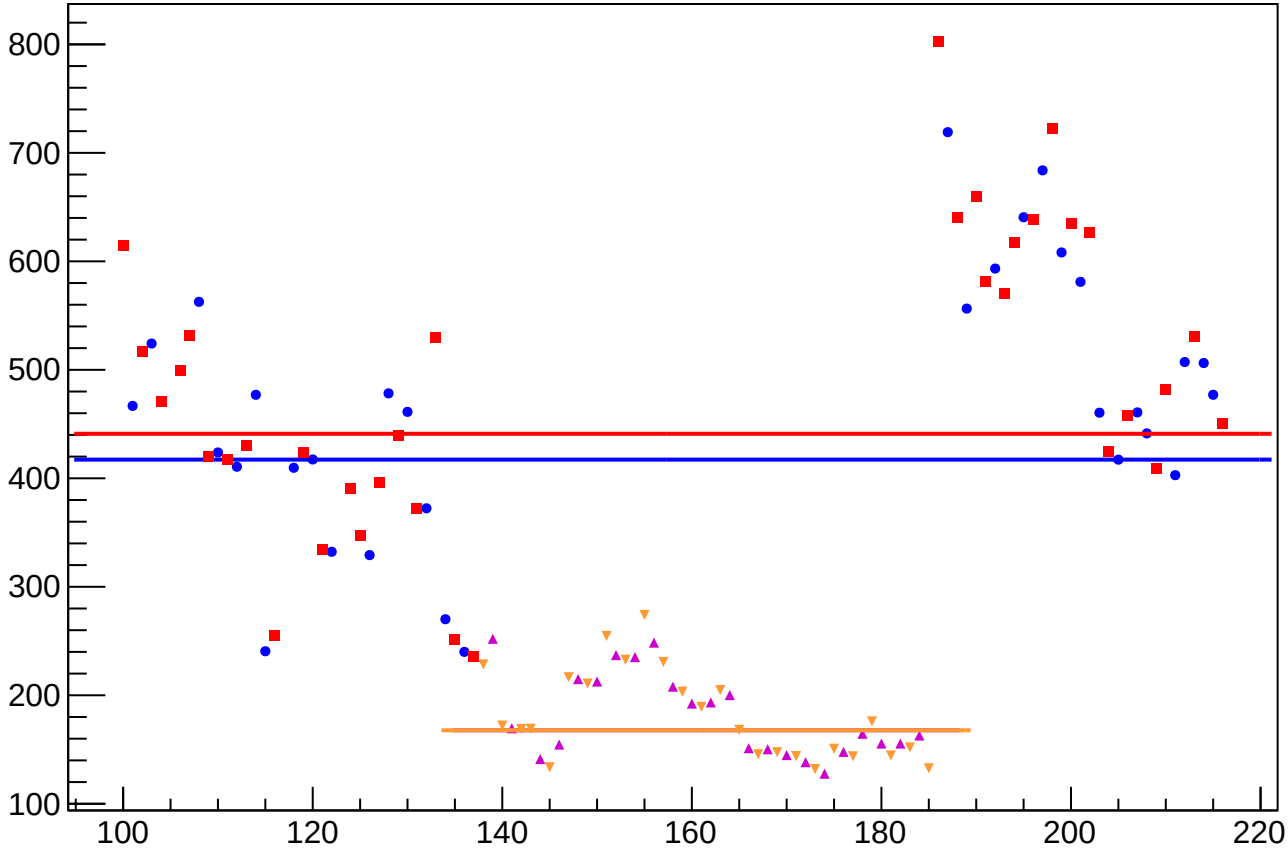
Right: 7.199+/-71.632 χ^2/NDF: 98.9/65

In: 31.825+/-37.151 χ^2/NDF:77.9/53

Out: 103.601+/-36.540 χ^2/NDF:130.7/59

All: 68.308+/-26.051 χ^2/NDF: 210.5/113

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: 441.046+/-0.073 χ^2/NDF: 2924599.9/34

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

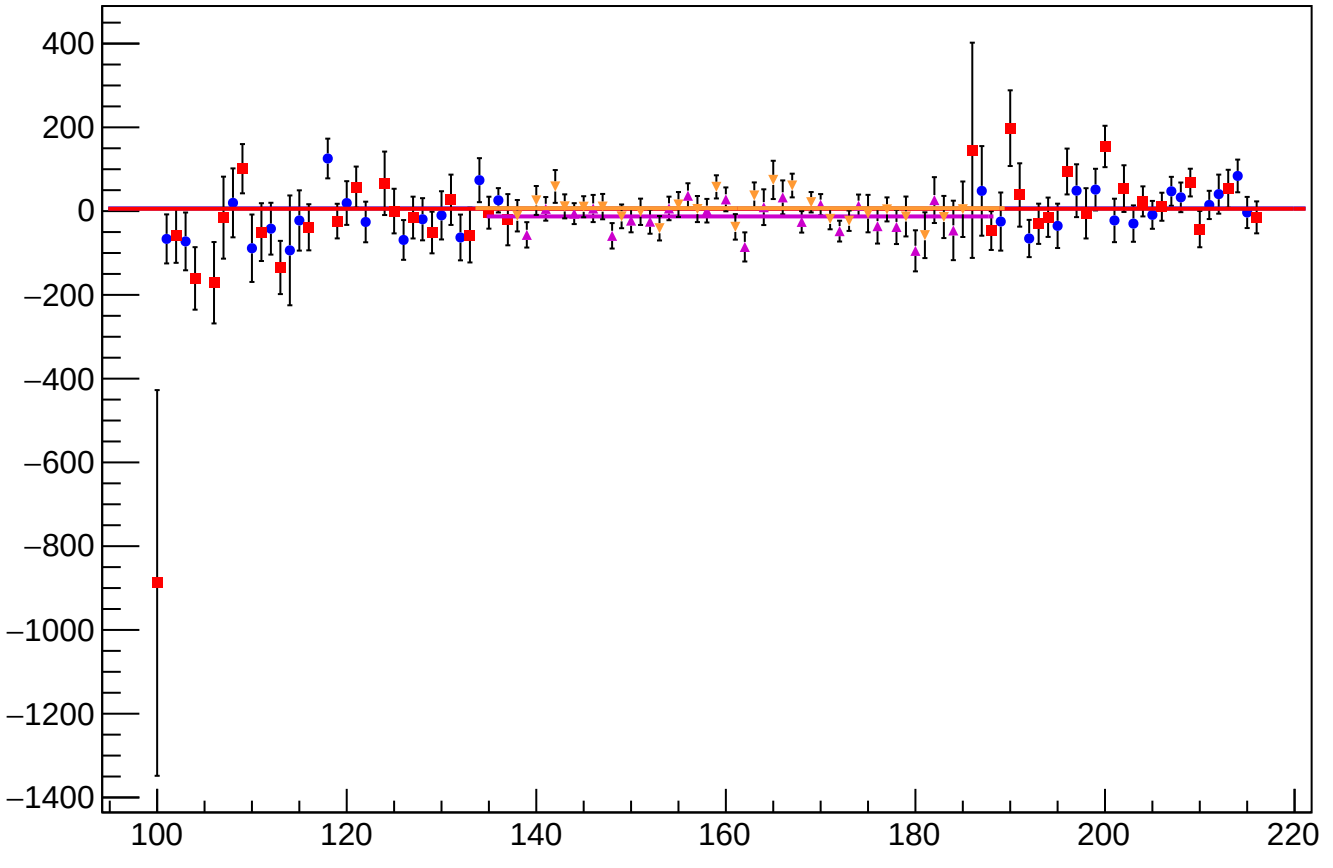
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 428.622+/-0.051 χ^2/NDF: 5826269.7/65

In: 202.778+/-0.026 χ^2/NDF:15136035.4/53

Out: 201.748+/-0.026 χ^2/NDF:16688204.9/59

All: 202.255+/-0.018 χ^2/NDF: 31825020.8/1



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: 5.591+/-8.837 χ^2/NDF: 52.9/34

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

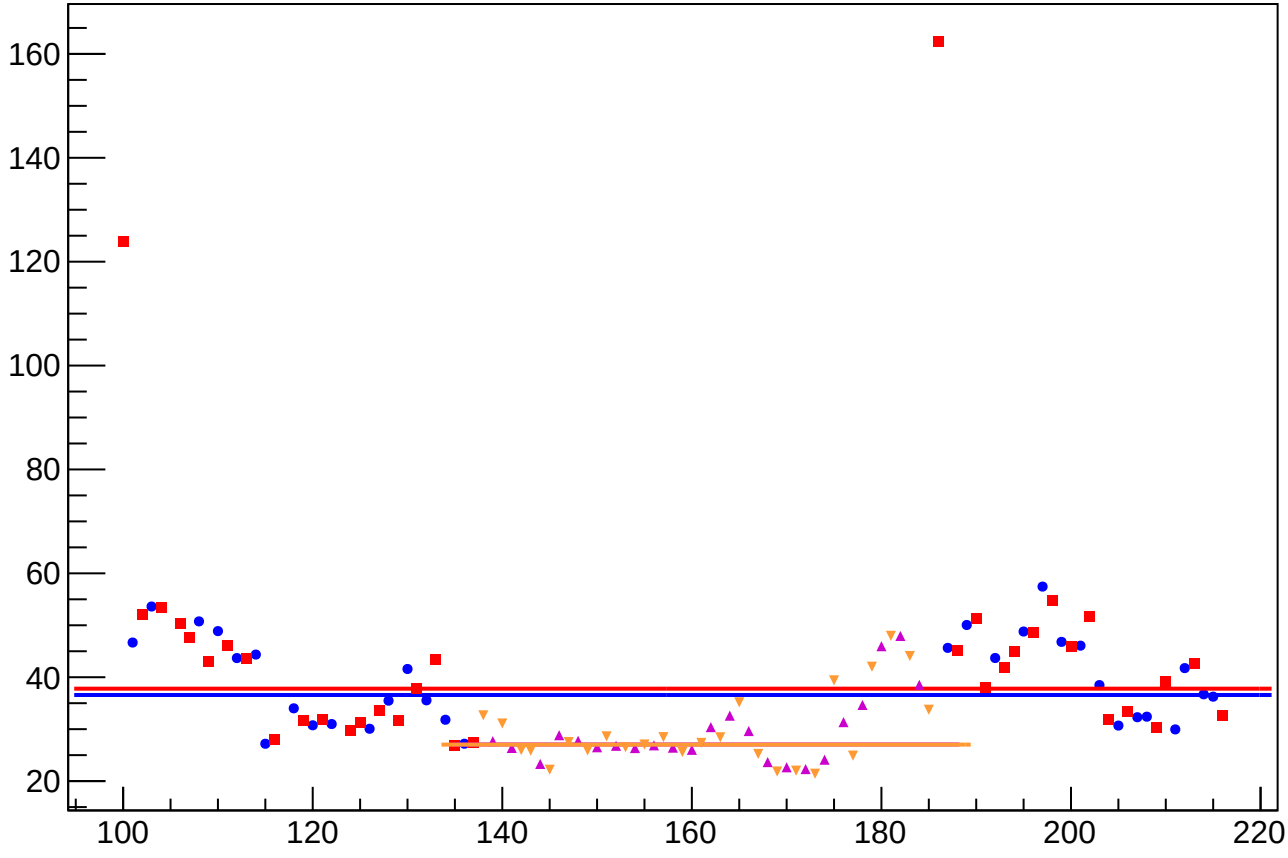
Right: 5.965+/-6.160 χ^2/NDF: 84.6/65

In: -5.756+/-5.190 χ^2/NDF:60.4/53

Out: 6.574+/-5.148 χ^2/NDF:75.7/59

All: 0.460+/-3.655 χ^2/NDF: 138.9/113

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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: 37.795+/-0.006 χ^2/NDF: 2134421.7/34

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

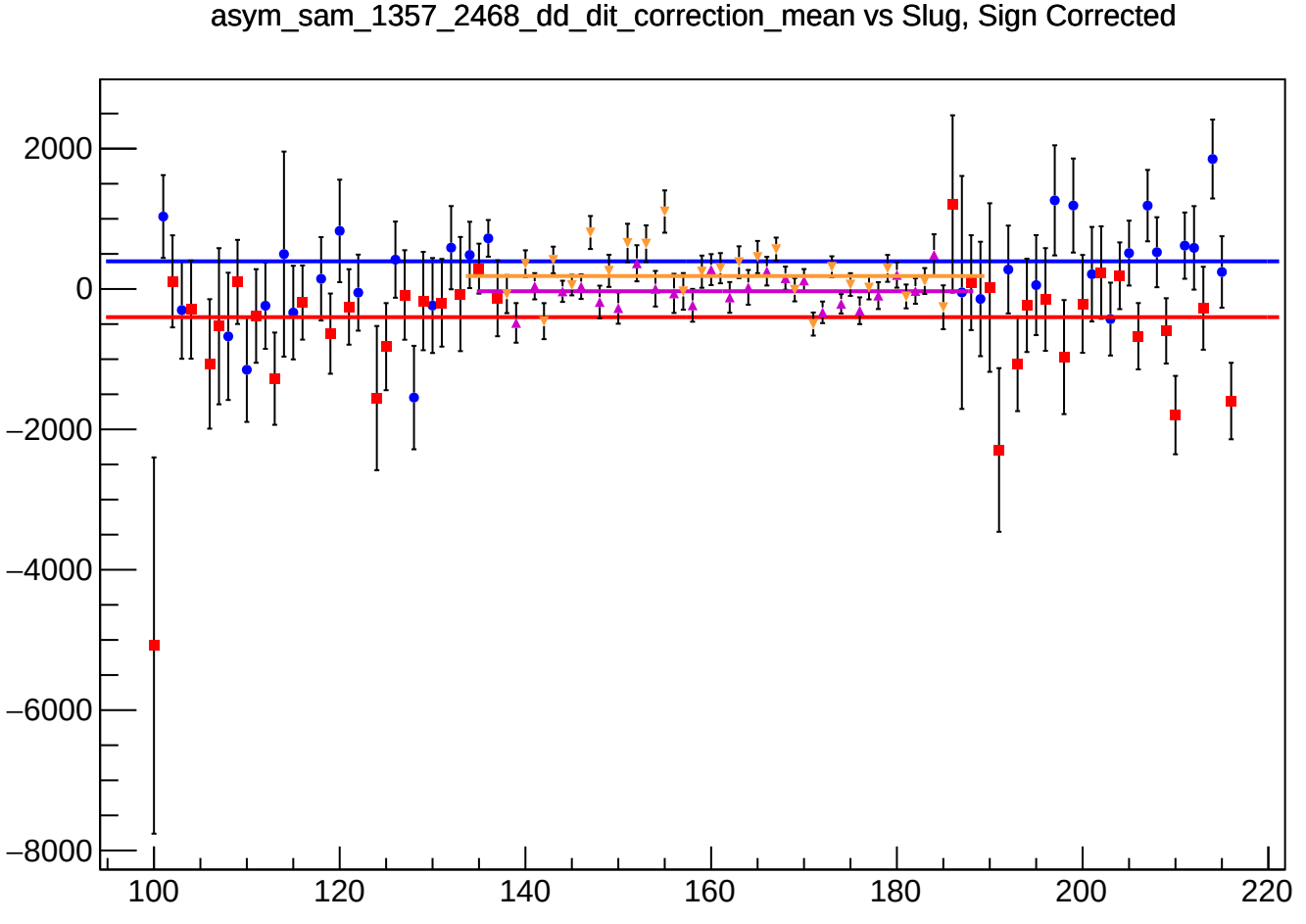
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 37.170+/-0.004 χ^2/NDF: 3690456.7/65

In: 30.530+/-0.004 χ^2/NDF:4142840.6/53

Out: 30.680+/-0.004 χ^2/NDF:5527156.3/59

All: 30.606+/-0.003 χ^2/NDF: 9670849.0/113



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: -401.254+/-107.339 χ^2/NDF: 34.2/34

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

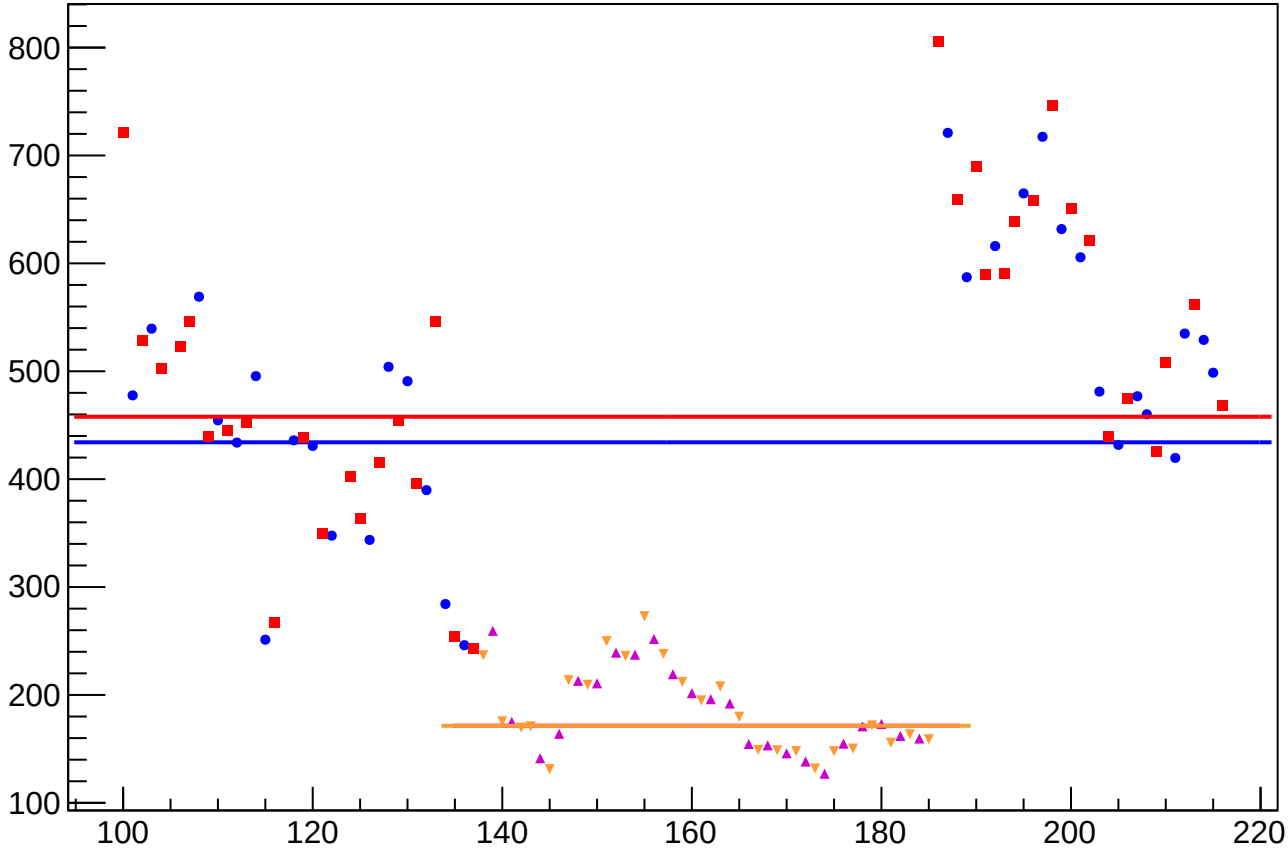
Right: 12.051+/-74.397 χ^2/NDF: 99.3/65

In: 26.119+/-38.083 χ^2/NDF:77.7/53

Out: 113.755+/-37.344 χ^2/NDF:128.0/59

All: 70.797+/-26.664 χ^2/NDF: 208.4/113

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: 457.869+/-0.076 χ^2/NDF: 2920062.5/34

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

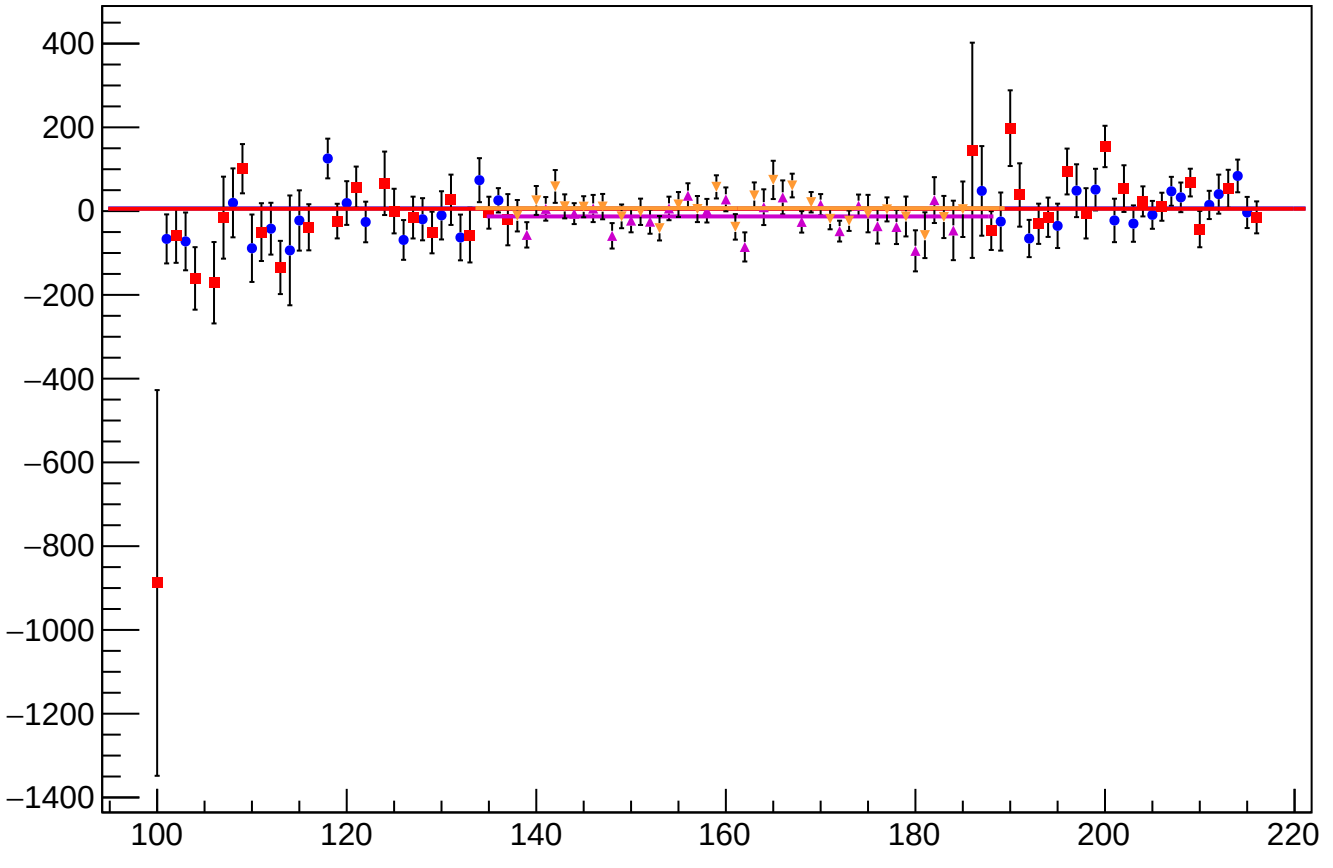
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 445.548+/-0.053 χ^2/NDF: 5869642.7/65

In: 207.253+/-0.027 χ^2/NDF:15504731.4/53

Out: 206.097+/-0.026 χ^2/NDF:16965645.6/59

All: 206.664+/-0.019 χ^2/NDF: 32471316.4/11



Right In: 6.318+/-8.591 χ^2/NDF: 31.7/30

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 5.591+/-8.837 χ^2/NDF: 52.9/34

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

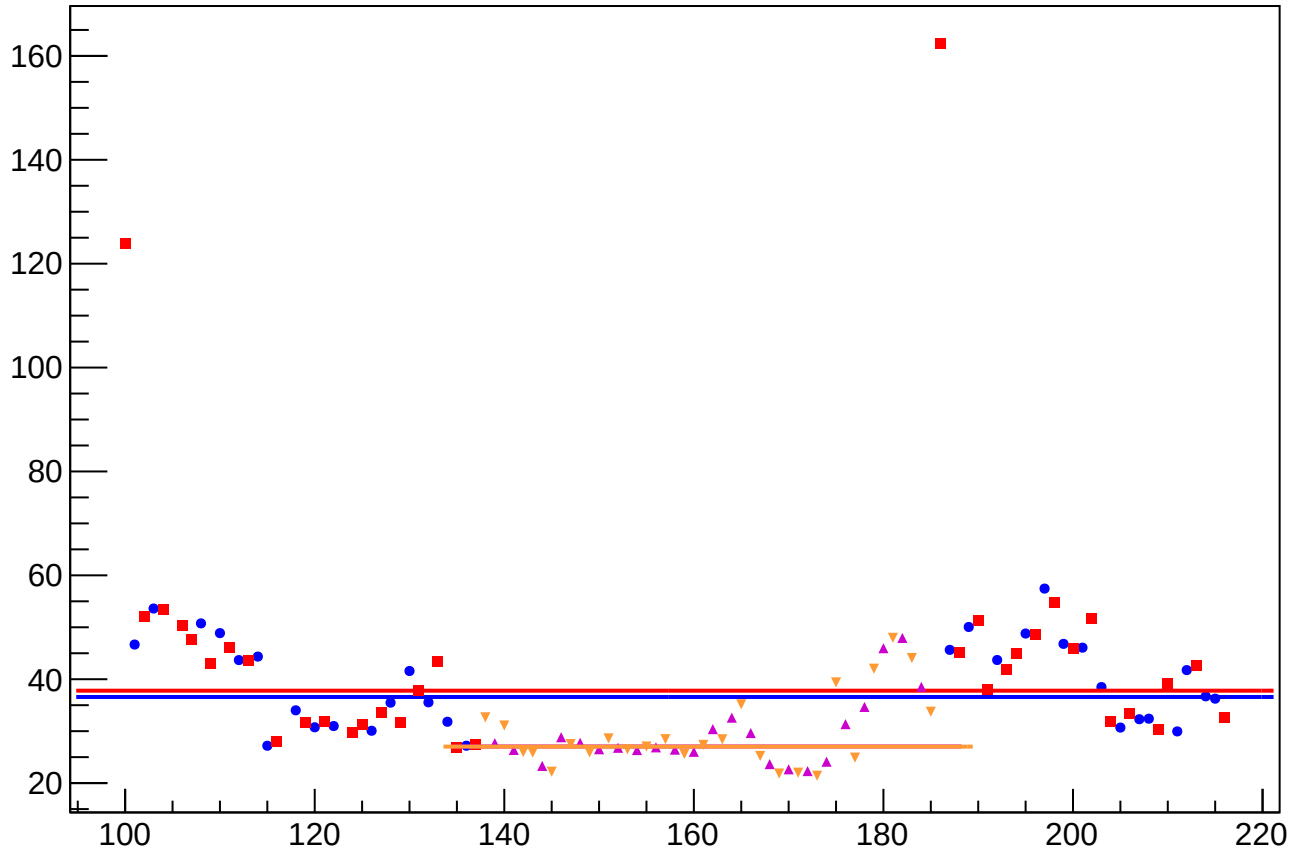
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: 5.965+/-6.160 χ^2/NDF: 84.6/65

In: -5.756+/-5.190 χ^2/NDF:60.4/53

Out: 6.574+/-5.148 χ^2/NDF:75.7/59

All: 0.460+/-3.655 χ^2/NDF: 138.9/113



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: 37.795+/-0.006 χ^2/NDF: 2134385.2/34

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

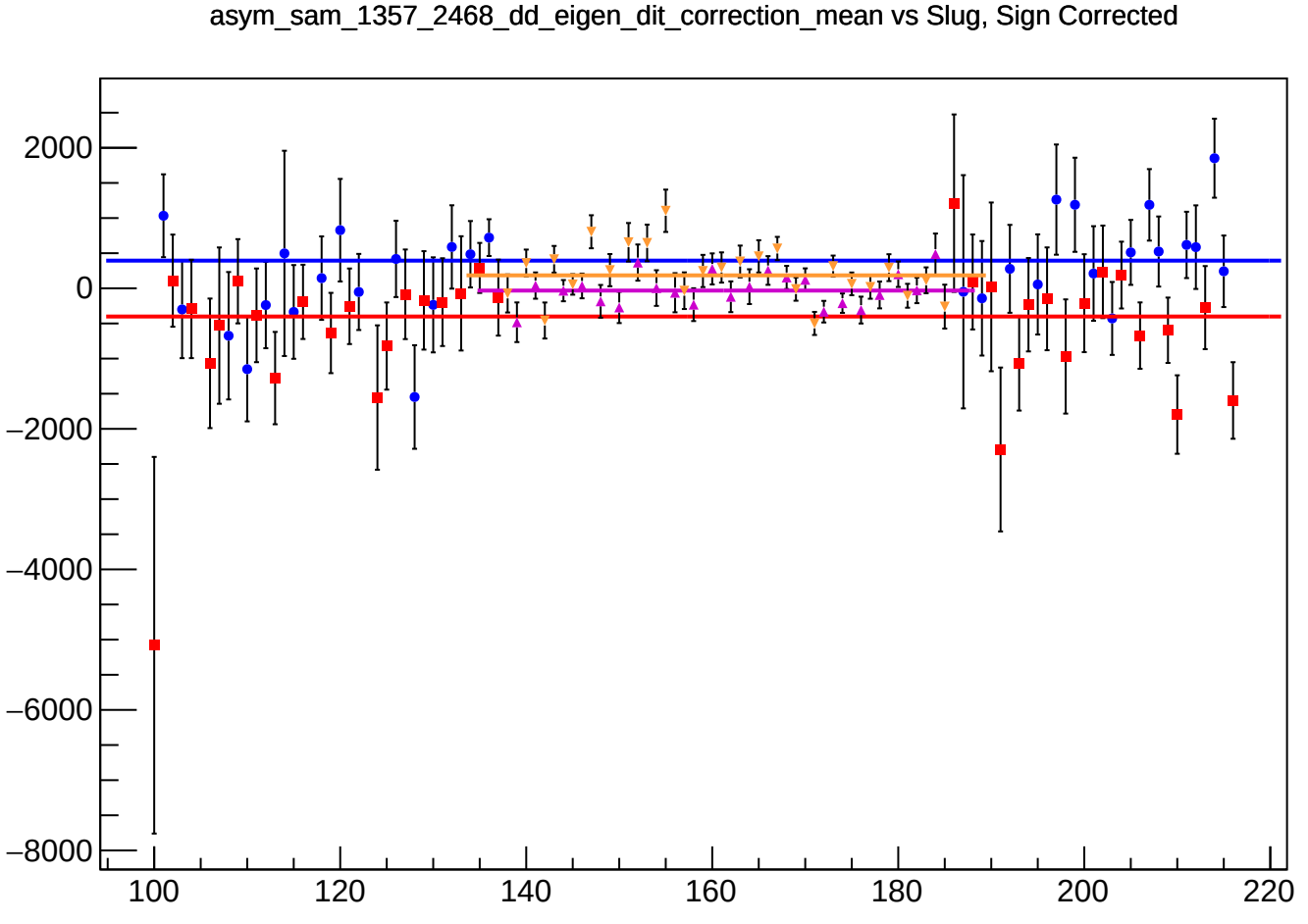
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 37.170+/-0.004 χ^2/NDF: 3690403.6/65

In: 30.530+/-0.004 χ^2/NDF:4142711.3/53

Out: 30.680+/-0.004 χ^2/NDF:5527079.6/59

All: 30.606+/-0.003 χ^2/NDF: 9670643.9/113



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: -401.253+/-107.339 χ^2/NDF: 34.2/34

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

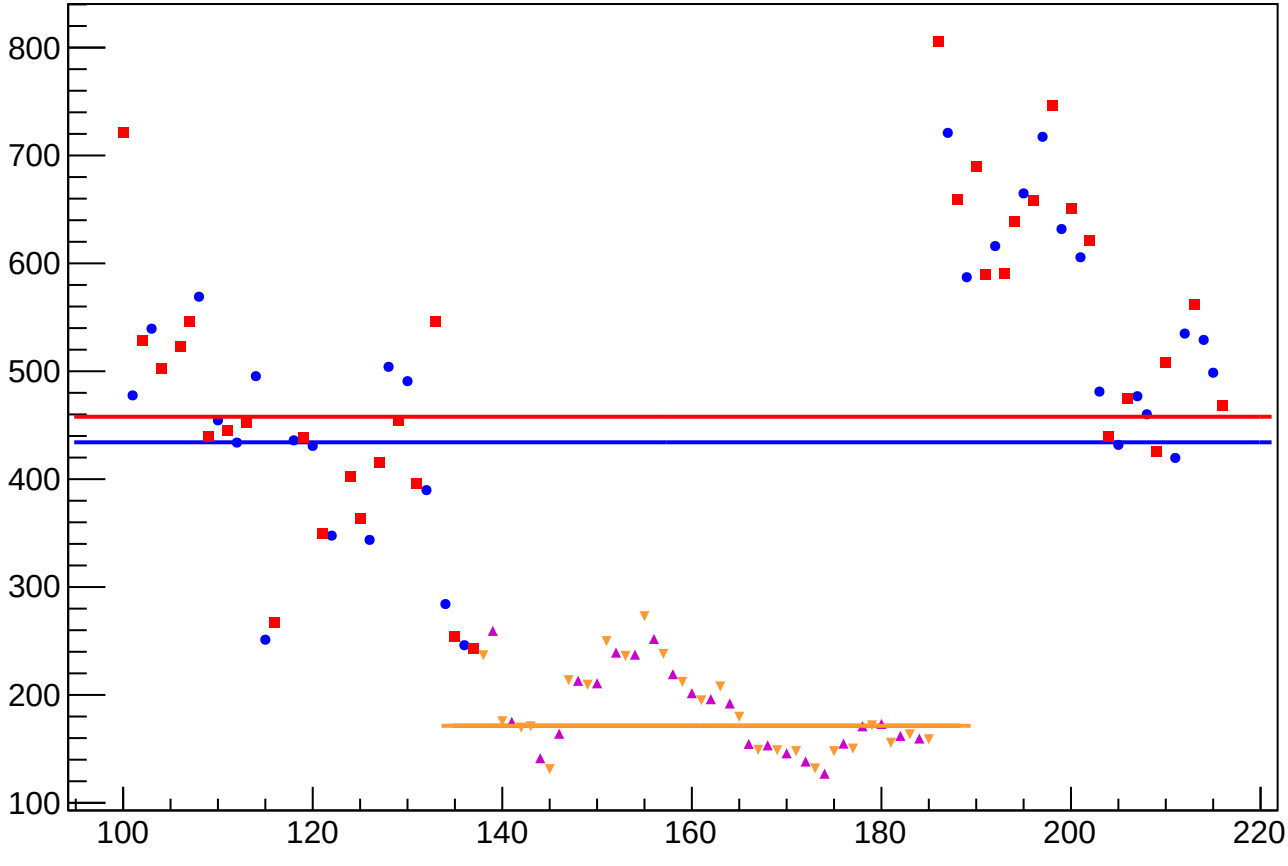
Right: 12.051+/-74.397 χ^2/NDF: 99.3/65

In: 26.118+/-38.083 χ^2/NDF:77.7/53

Out: 113.755+/-37.344 χ^2/NDF:128.0/59

All: 70.796+/-26.664 χ^2/NDF: 208.4/113

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: 457.868+/-0.076 χ^2/NDF: 2920074.2/34

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

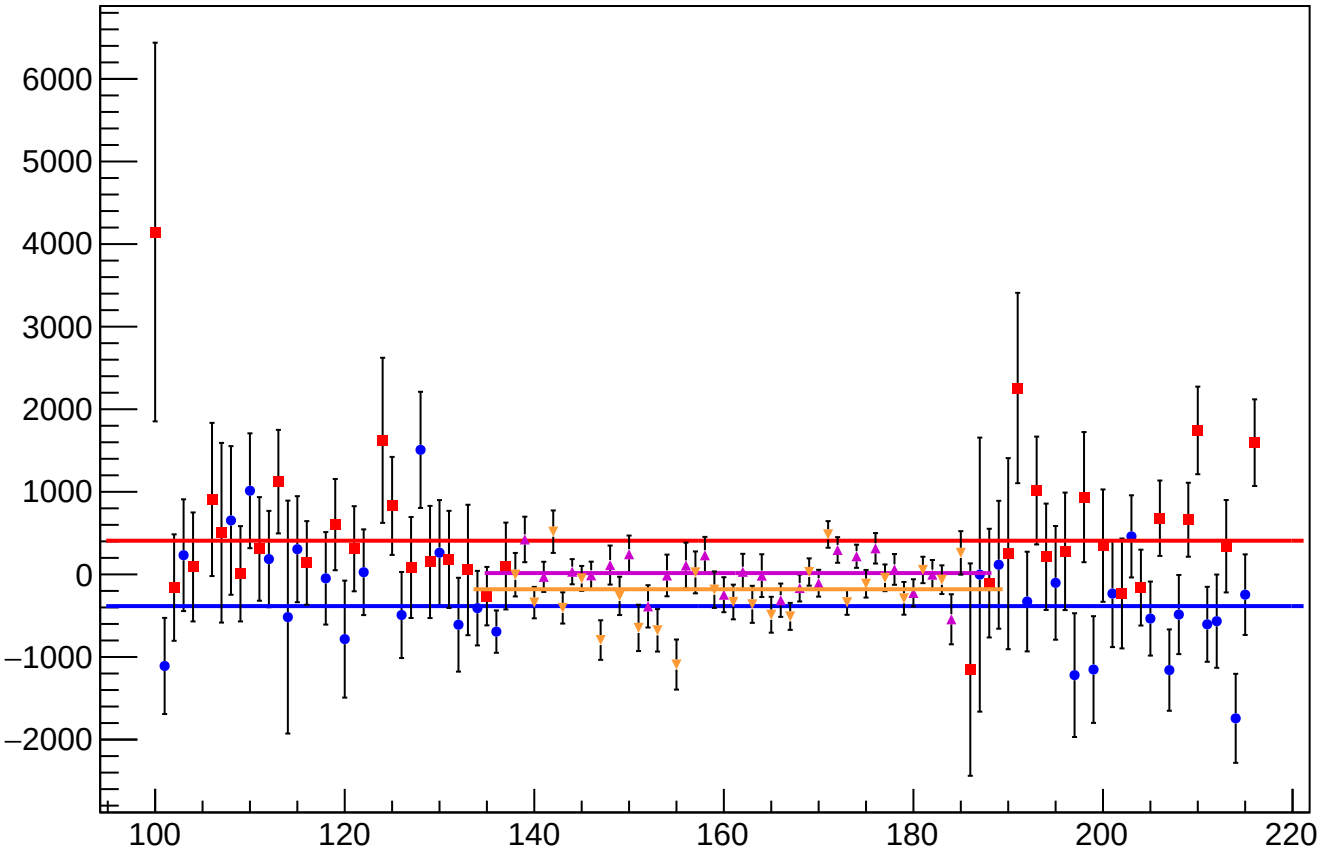
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 445.547+/-0.053 χ^2/NDF: 5869663.7/65

In: 207.252+/-0.027 χ^2/NDF:15504786.7/53

Out: 206.096+/-0.026 χ^2/NDF:16965706.4/59

All: 206.663+/-0.019 χ^2/NDF: 32471432.3/11



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: 408.165+/-103.802 χ^2/NDF: 33.6/34

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

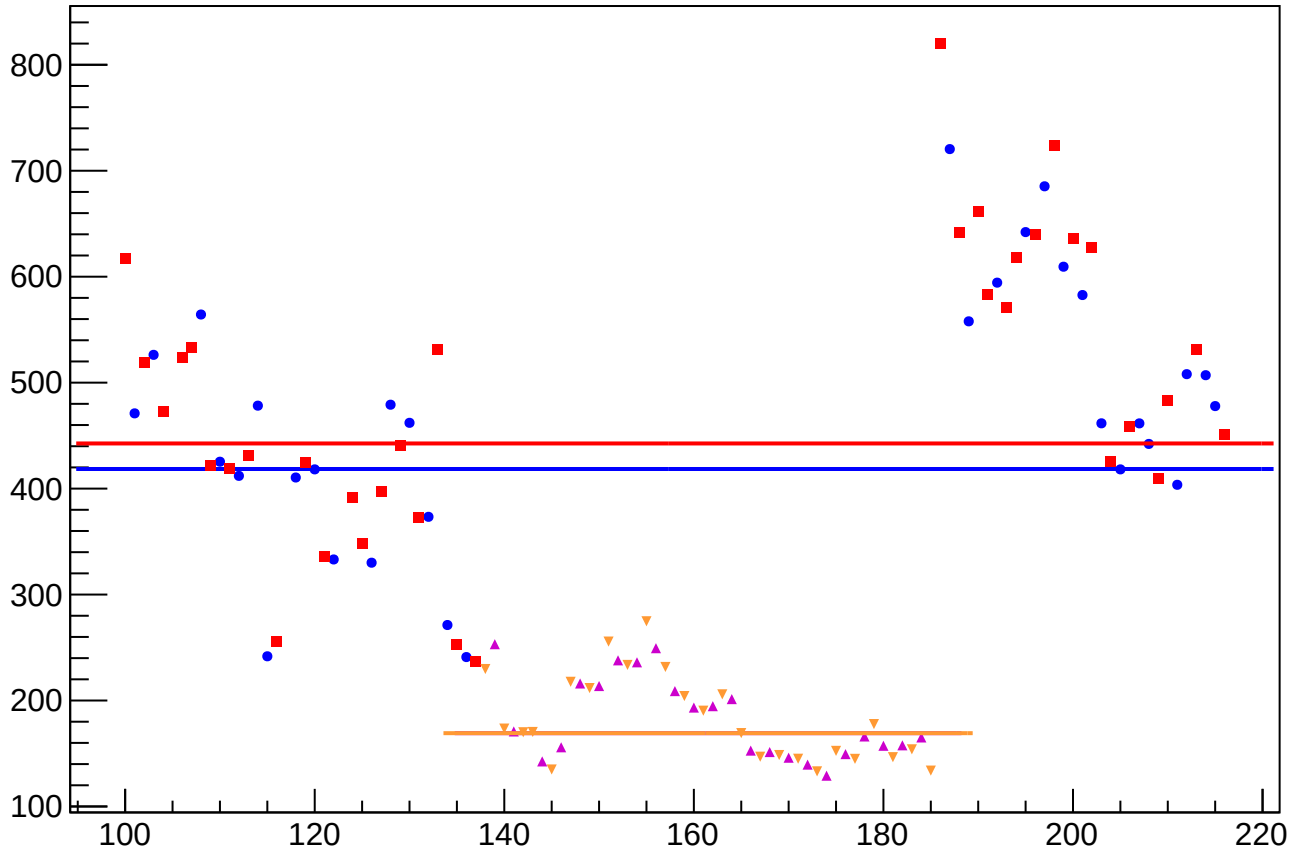
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -4.910+/-71.803 χ^2/NDF: 100.7/65

In: -40.610+/-37.425 χ^2/NDF:77.2/53

Out: -105.752+/-36.806 χ^2/NDF:128.8/59

All: -73.724+/-26.242 χ^2/NDF: 207.6/113



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: 442.612+/-0.073 χ^2/NDF: 2931407.7/34

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

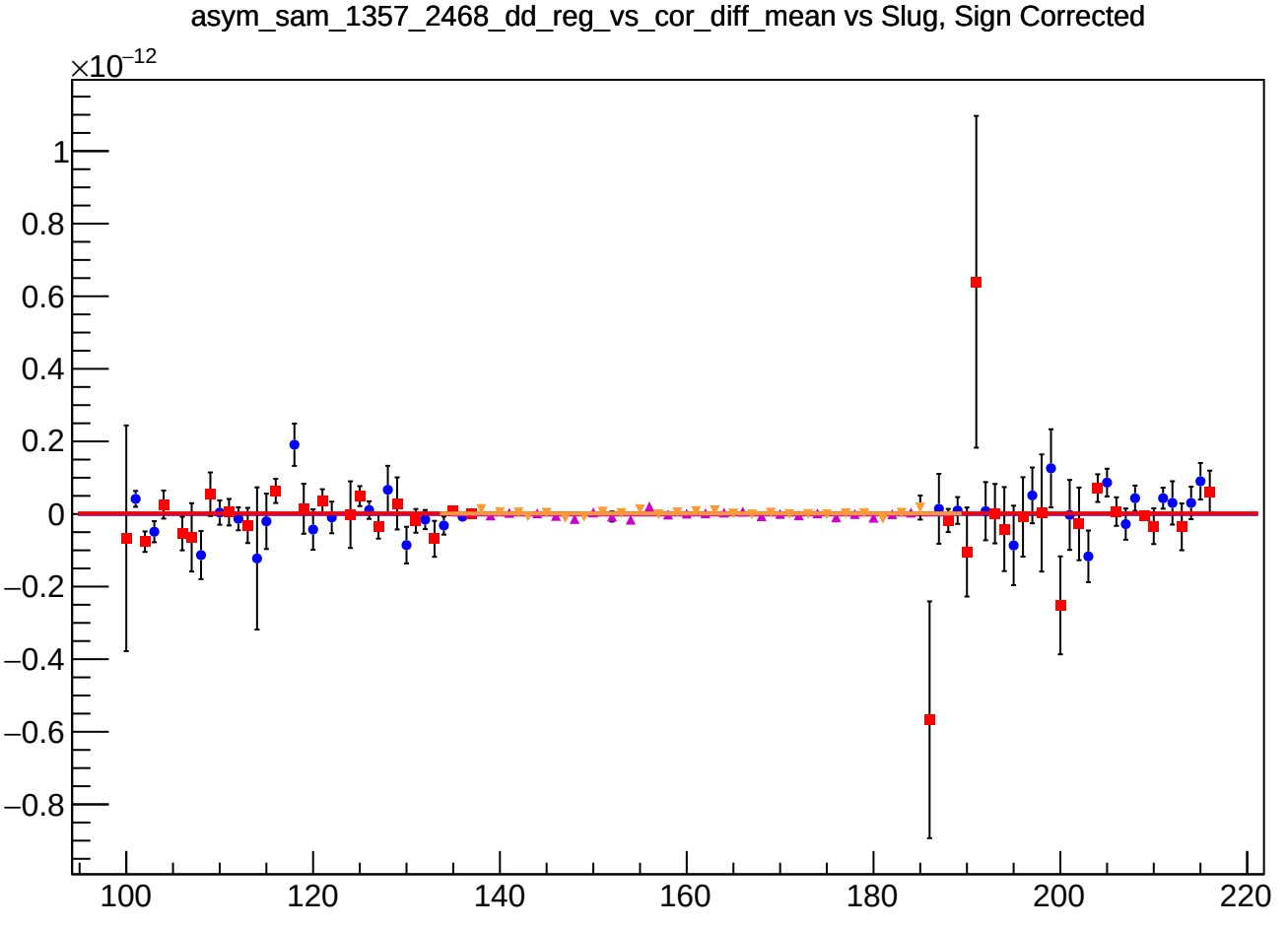
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 430.041+/-0.051 χ^2/NDF: 5822659.8/65

In: 204.511+/-0.026 χ^2/NDF:15003390.5/53

Out: 203.559+/-0.026 χ^2/NDF:16611857.2/59

All: 204.027+/-0.019 χ^2/NDF: 31615906.1/11



Right In: 0.000+/-0.000 χ^2/NDF: 47.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.7/34

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

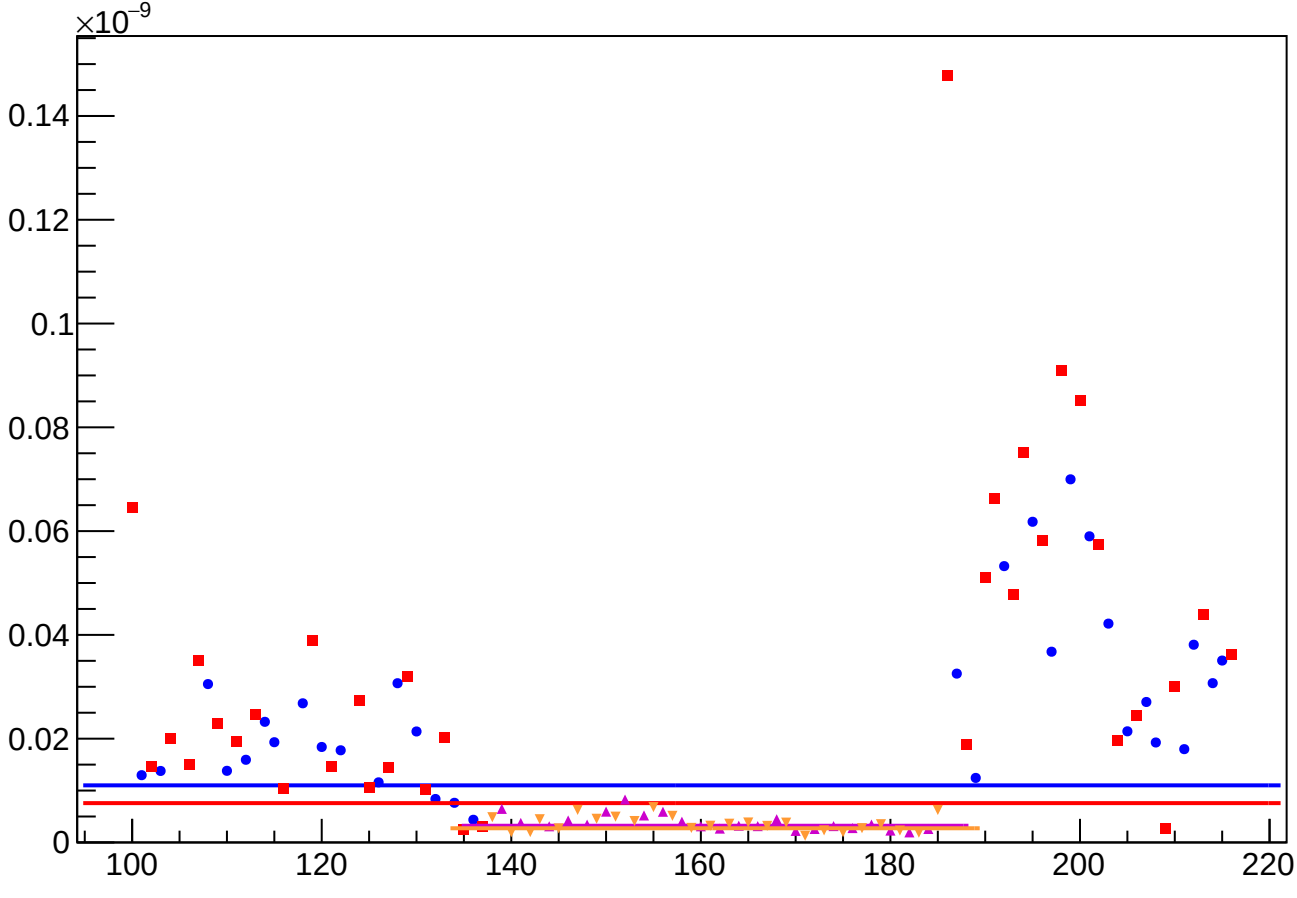
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 85.7/65

In: -0.000+/-0.000 χ^2/NDF:66.7/53

Out: 0.000+/-0.000 χ^2/NDF:57.5/59

All: 0.000+/-0.000 χ^2/NDF: 126.9/113



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: 10291041.3/34

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

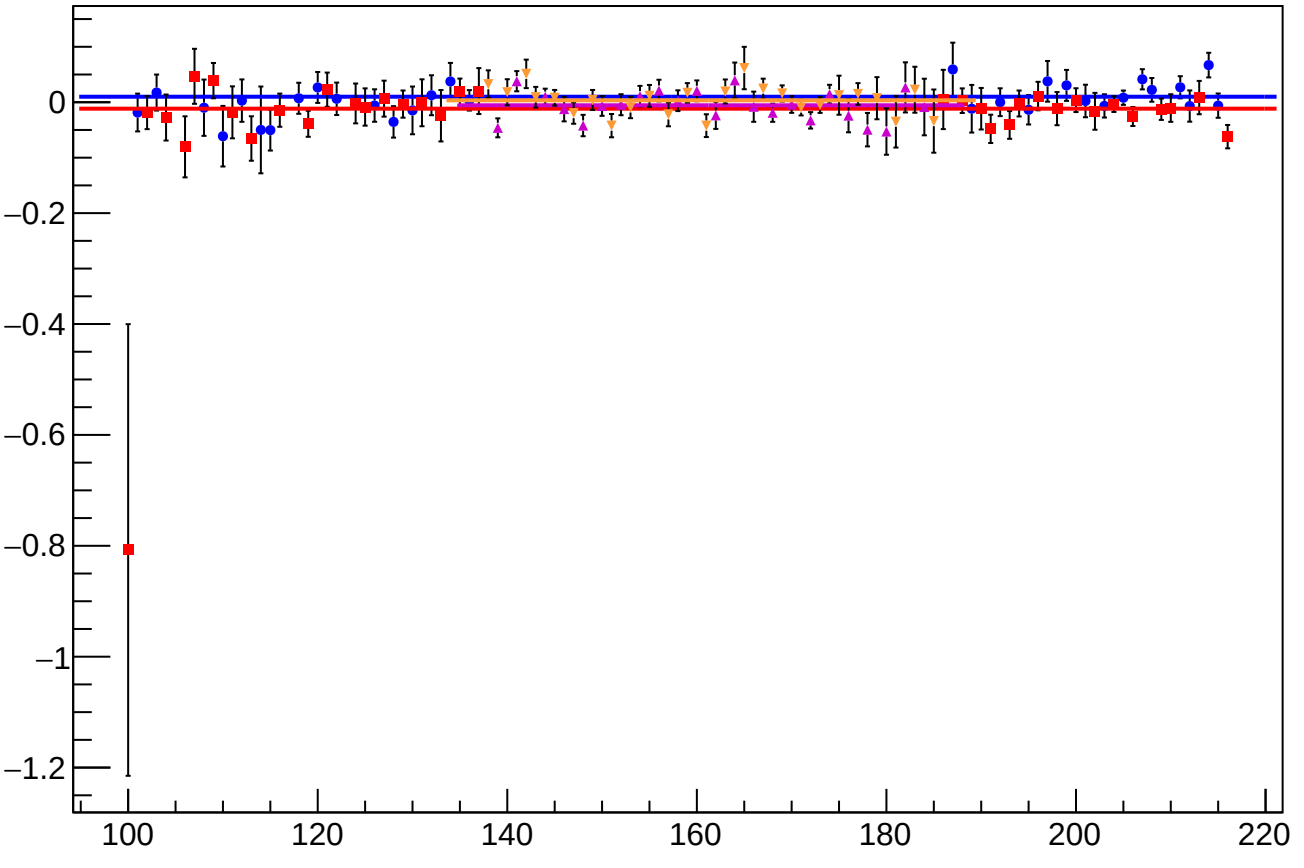
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17999201.1/65

In: 0.000+/-0.000 χ^2/NDF:12775312.1/53

Out: 0.000+/-0.000 χ^2/NDF:14350609.6/59

All: 0.000+/-0.000 χ^2/NDF: 27427985.9/113



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: -0.012+/-0.005 χ^2/NDF: 29.3/34

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

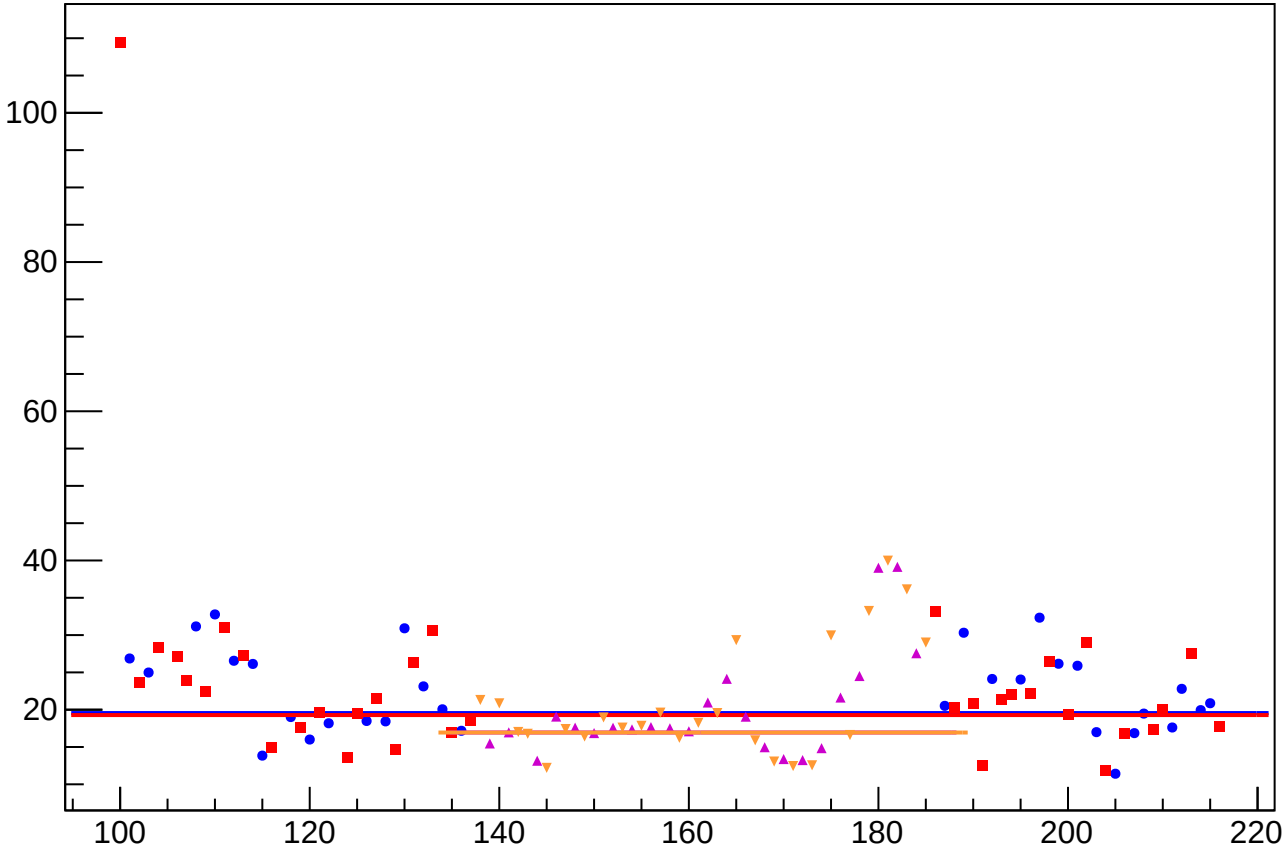
Right: -0.001+/-0.003 χ^2/NDF: 65.6/65

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.003+/-0.003 χ^2/NDF:62.1/59

All: -0.001+/-0.002 χ^2/NDF: 128.1/113

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: 19.281+/-0.003 χ^2/NDF: 2298745.8/34

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

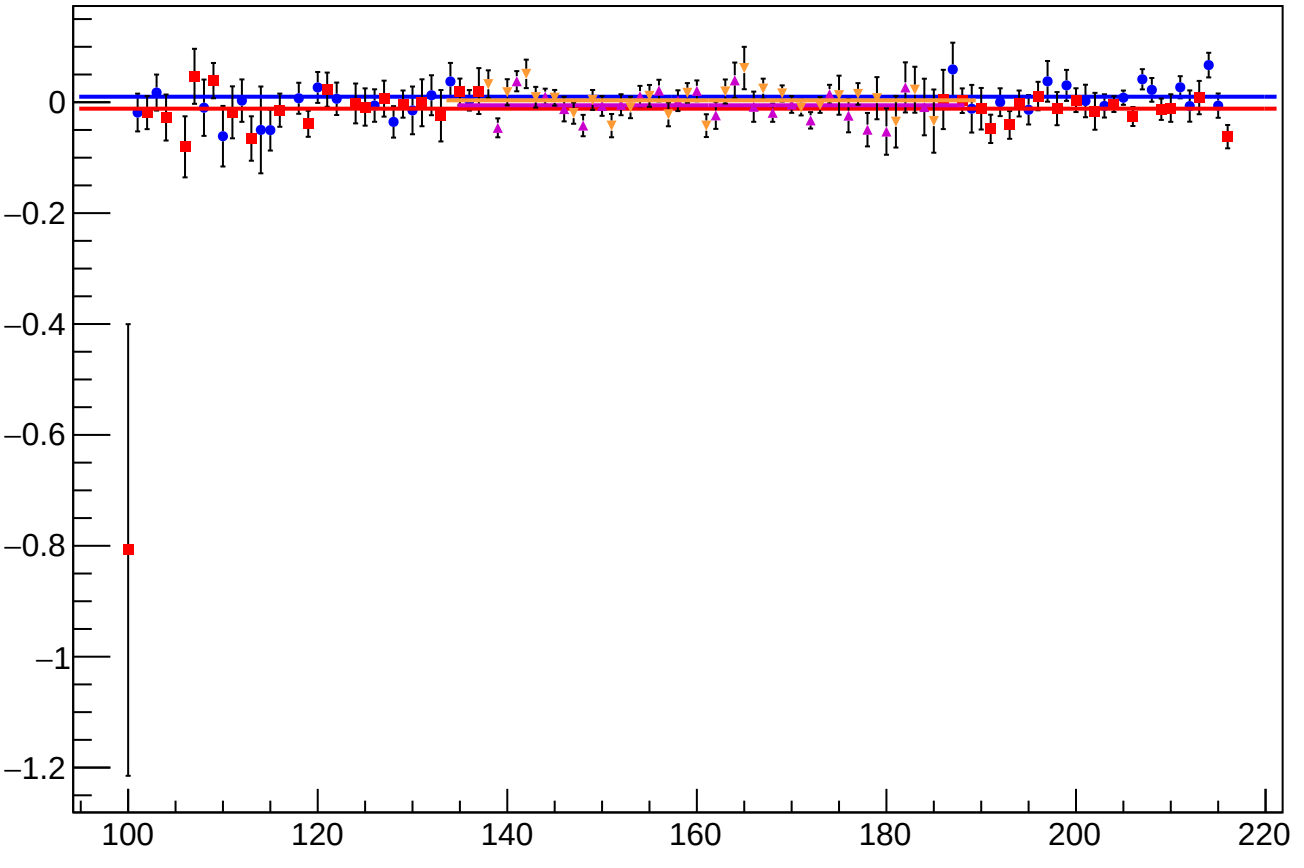
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.412+/-0.002 χ^2/NDF: 4657186.6/65

In: 18.078+/-0.002 χ^2/NDF:4633840.8/53

Out: 17.956+/-0.002 χ^2/NDF:5420231.5/59

All: 18.015+/-0.002 χ^2/NDF: 10055611.0/113



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: -0.012+/-0.005 χ^2/NDF: 29.3/34

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

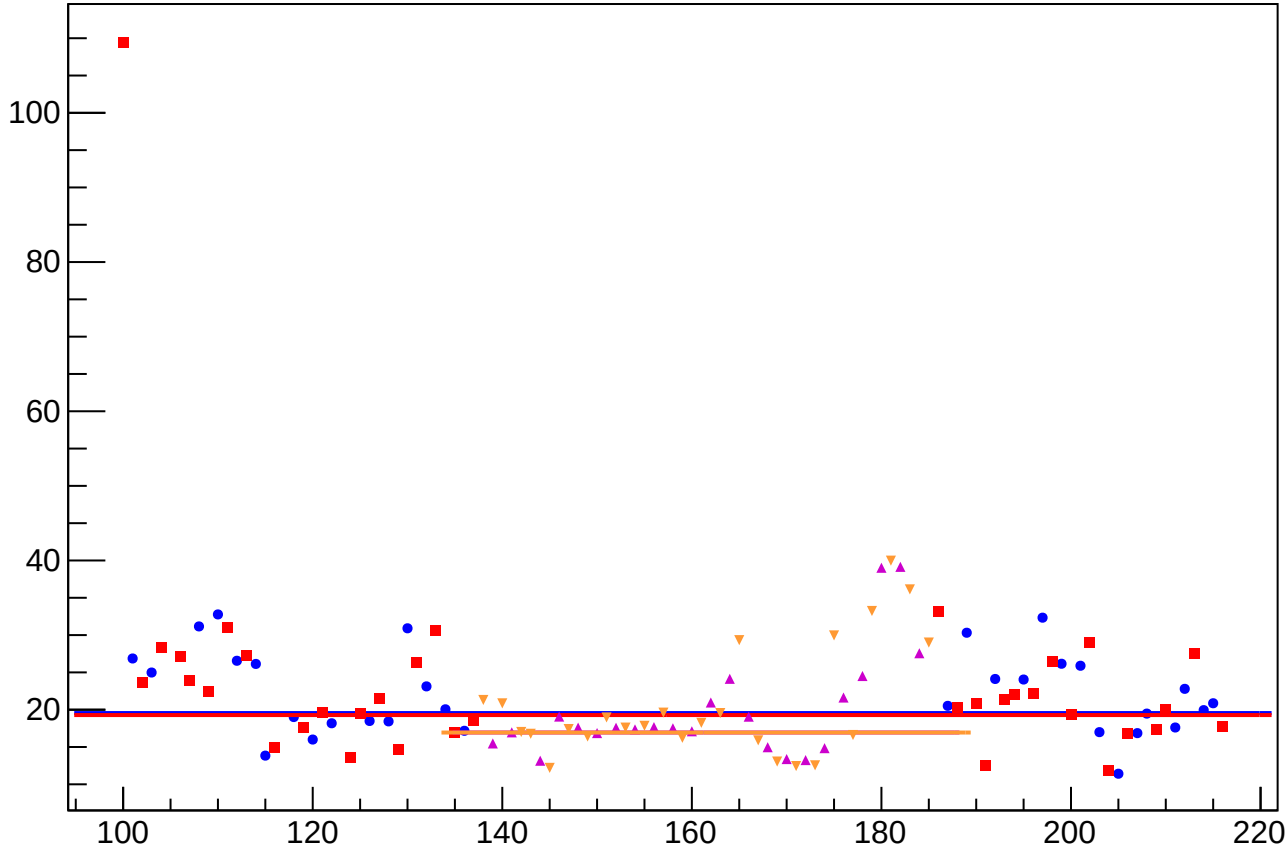
Right: -0.001+/-0.003 χ^2/NDF: 65.6/65

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.003+/-0.003 χ^2/NDF:62.1/59

All: -0.001+/-0.002 χ^2/NDF: 128.1/113

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: 19.281+/-0.003 χ^2/NDF: 2298745.8/34

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

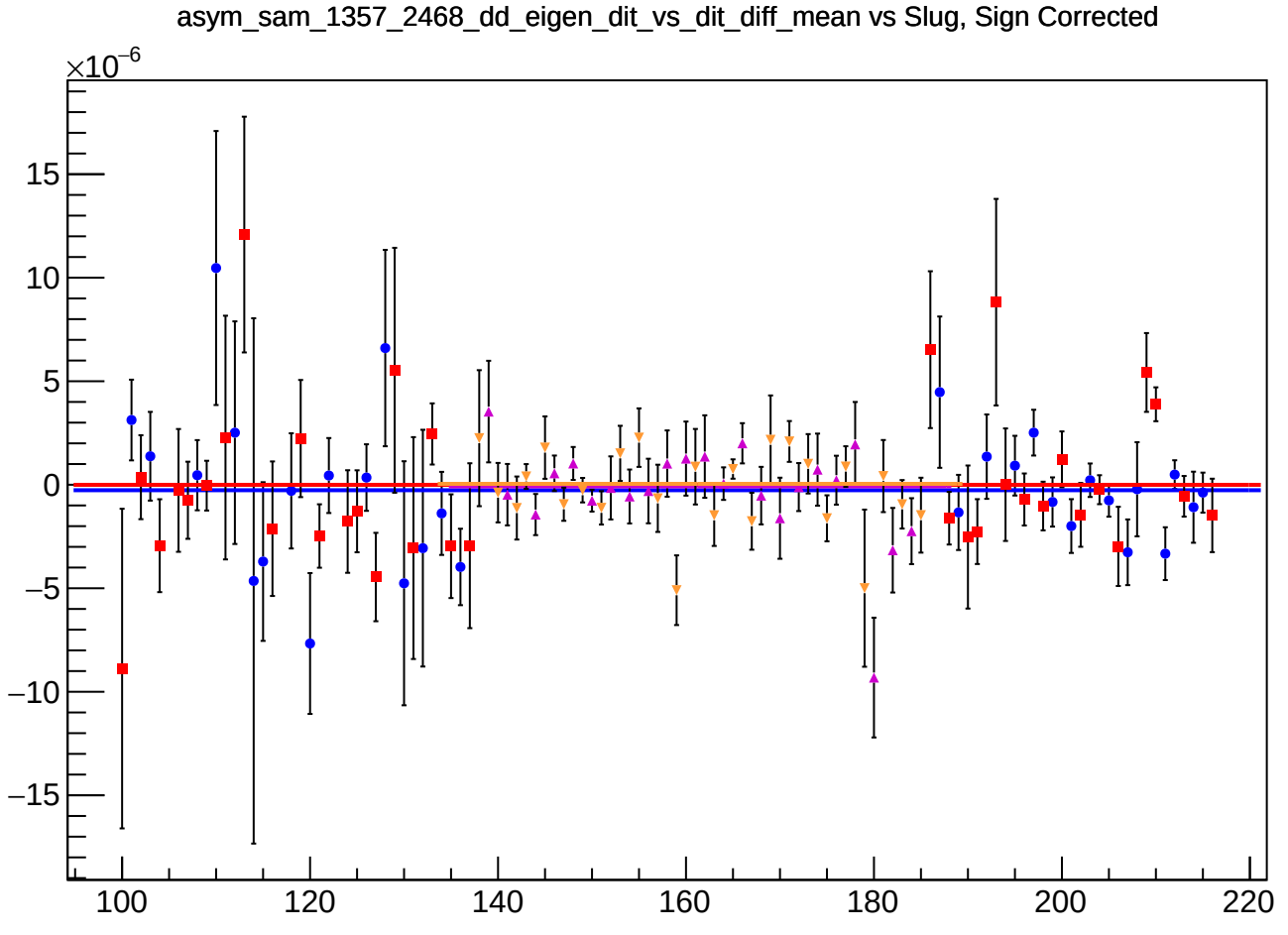
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.412+/-0.002 χ^2/NDF: 4657186.6/65

In: 18.078+/-0.002 χ^2/NDF:4633840.8/53

Out: 17.956+/-0.002 χ^2/NDF:5420231.5/59

All: 18.015+/-0.002 χ^2/NDF: 10055611.0/113



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: 70.2/34

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

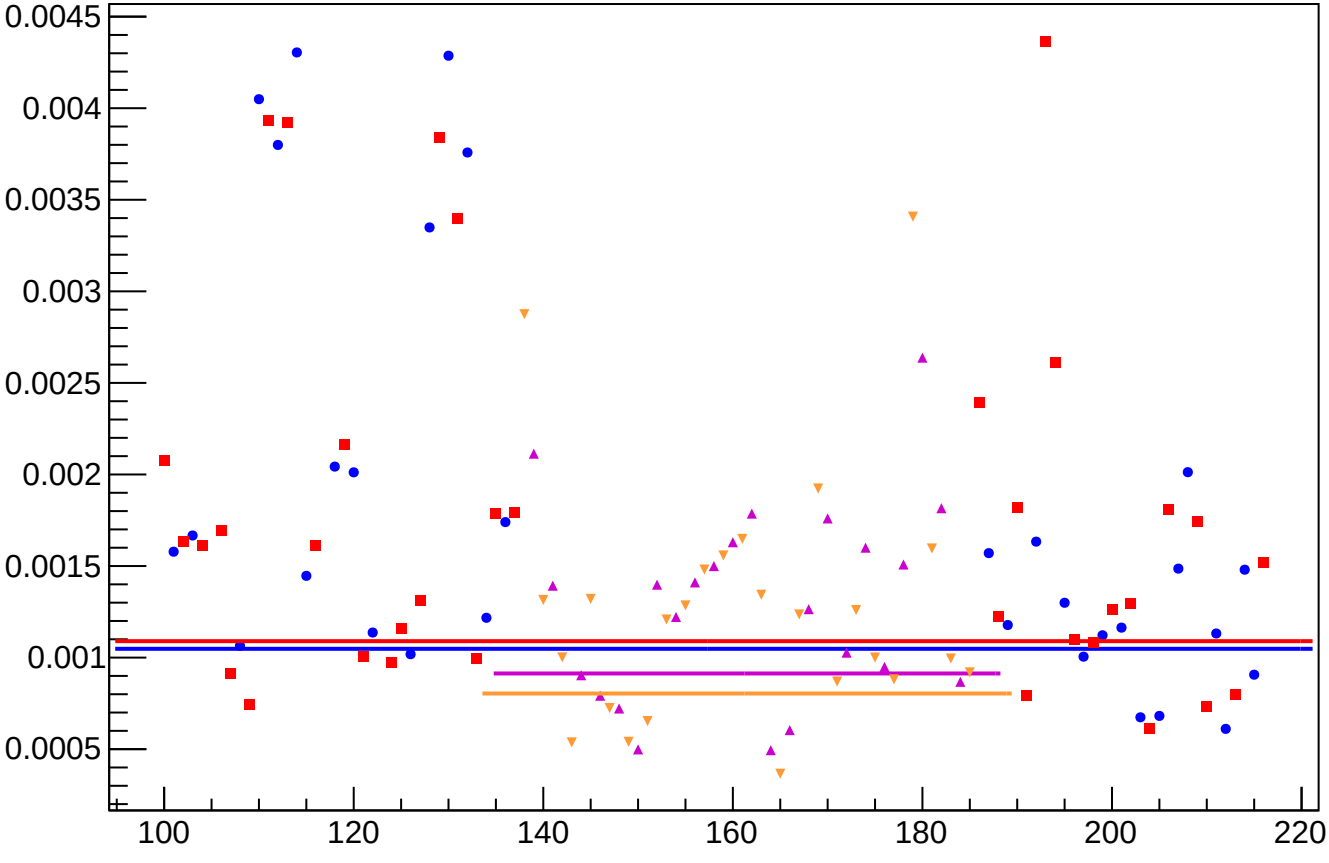
Right: -0.000+/-0.000 χ^2/NDF: 113.7/65

In: -0.000+/-0.000 χ^2/NDF:74.3/53

Out: 0.000+/-0.000 χ^2/NDF:107.3/59

All: -0.000+/-0.000 χ^2/NDF: 182.2/113

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: 7006555.4/34

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

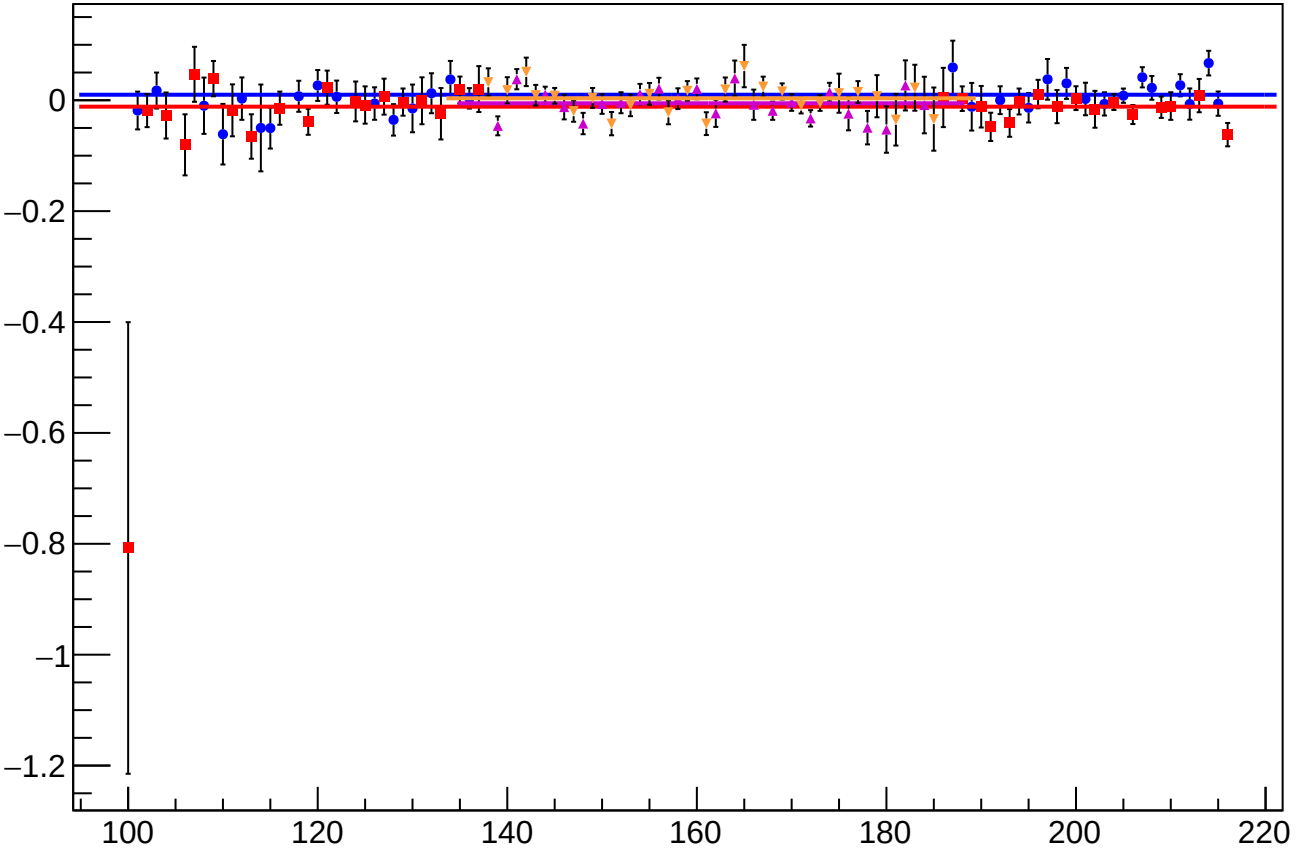
Right: 0.001+/-0.000 χ^2/NDF: 13325779.3/65

In: 0.001+/-0.000 χ^2/NDF:13014985.2/53

Out: 0.001+/-0.000 χ^2/NDF:16607745.5/59

All: 0.001+/-0.000 χ^2/NDF: 29770914.2/113

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.012+/-0.005 χ^2/NDF: 29.3/34

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

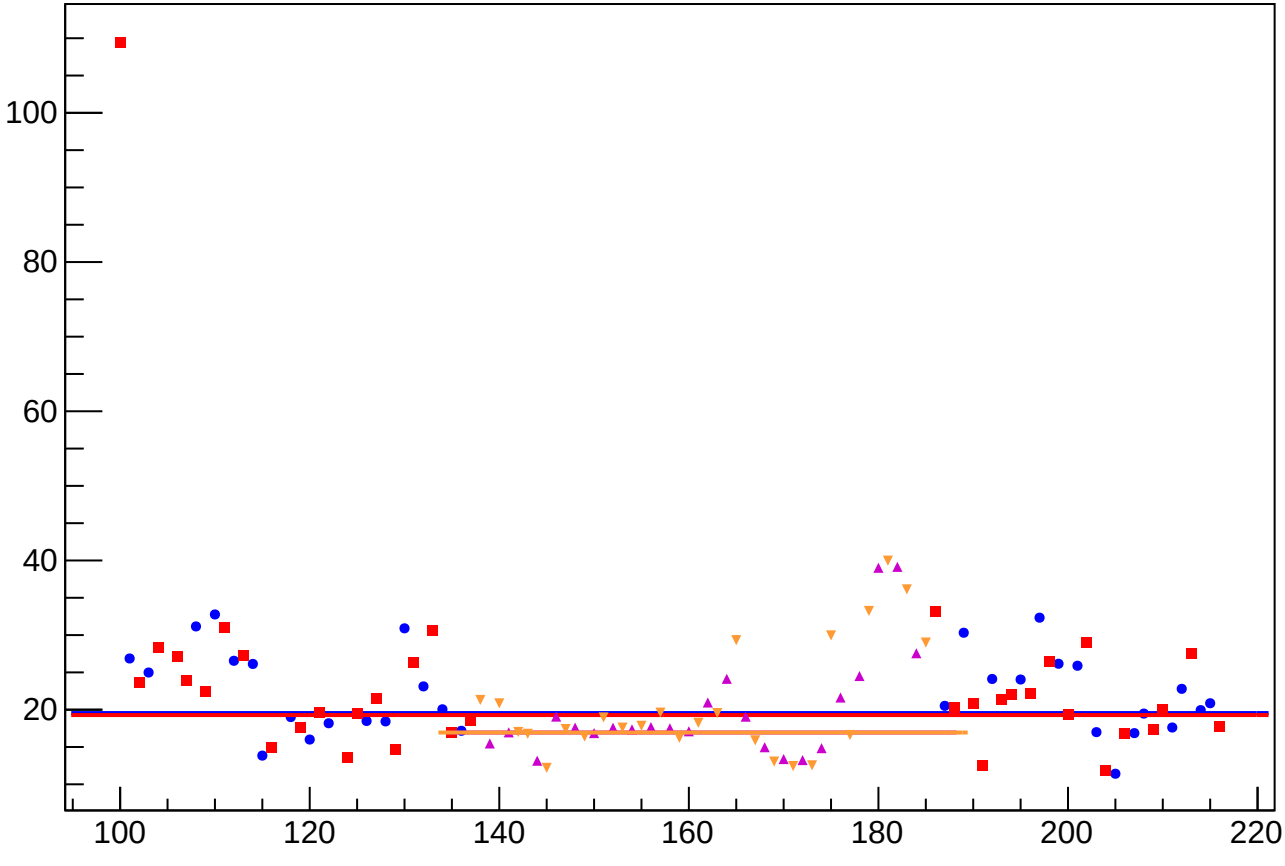
Right: -0.001+/-0.003 χ^2/NDF: 65.6/65

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.003+/-0.003 χ^2/NDF:62.1/59

All: -0.001+/-0.002 χ^2/NDF: 128.1/113

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: 19.280+/-0.003 χ^2/NDF: 2298723.5/34

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

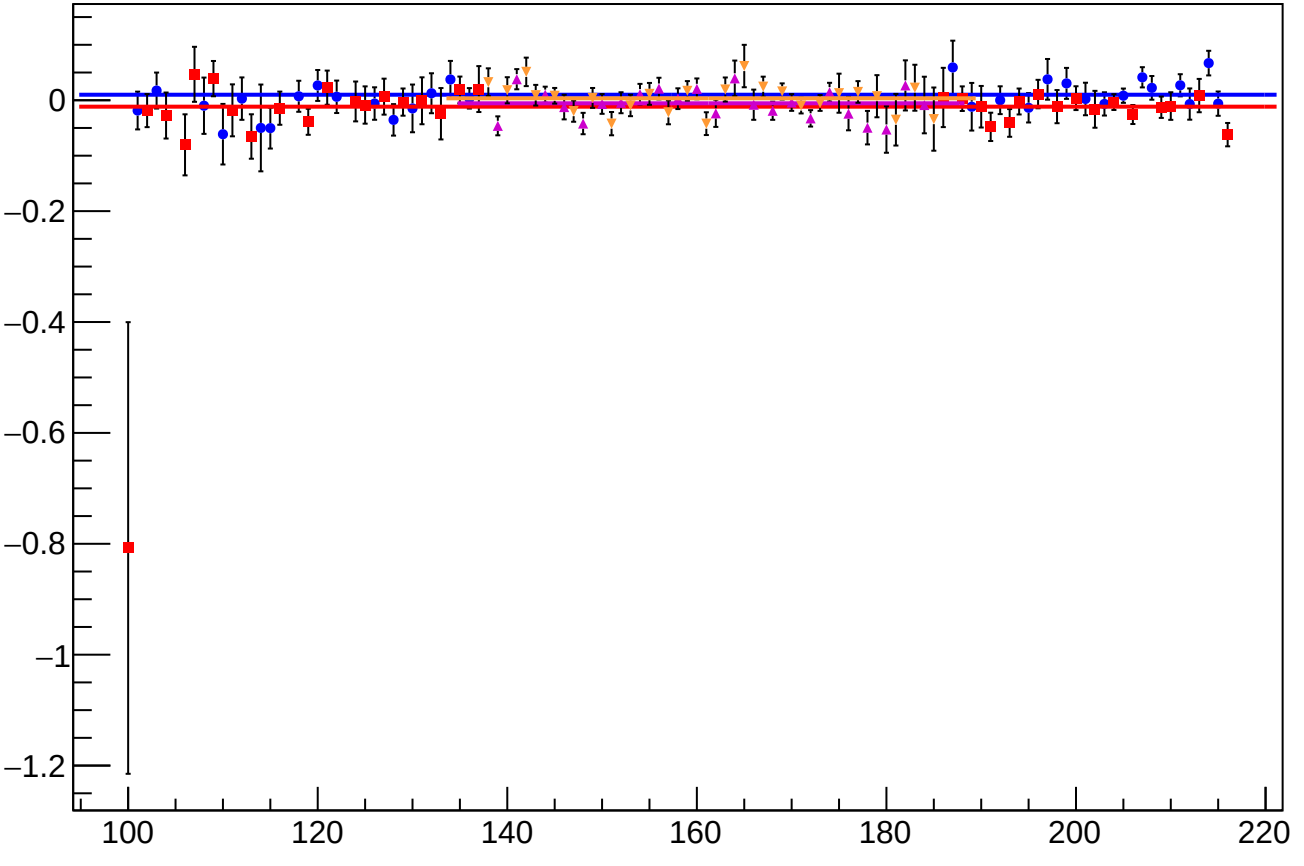
Right: 19.412+/-0.002 χ^2/NDF: 4657179.3/65

In: 18.078+/-0.002 χ^2/NDF:4633765.0/53

Out: 17.956+/-0.002 χ^2/NDF:5420141.9/59

All: 18.015+/-0.002 χ^2/NDF: 10055442.8/113

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.012+/-0.005 χ^2/NDF: 29.3/34

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

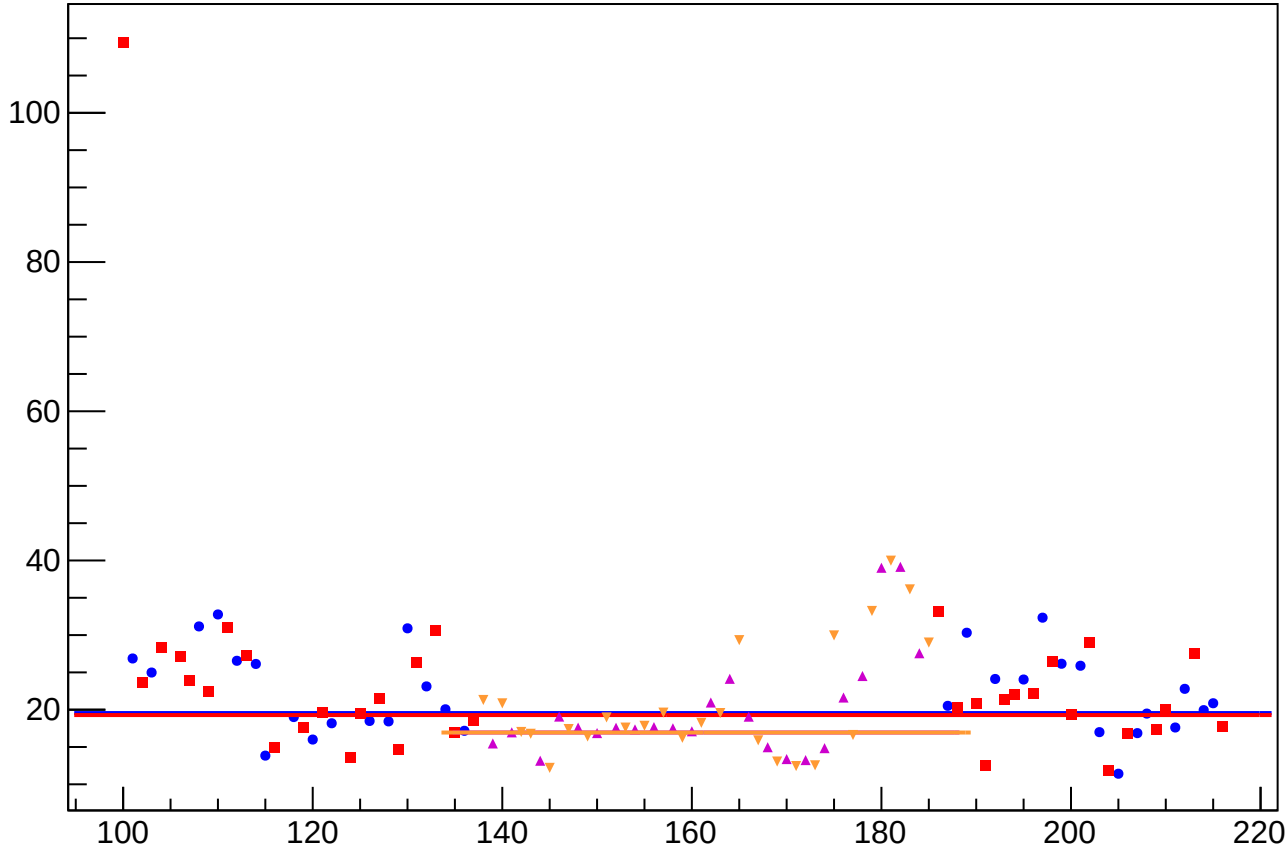
Right: -0.001+/-0.003 χ^2/NDF: 65.6/65

In: 0.001+/-0.003 χ^2/NDF:65.0/53

Out: -0.003+/-0.003 χ^2/NDF:62.1/59

All: -0.001+/-0.002 χ^2/NDF: 128.1/113

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: 19.280+/-0.003 χ^2/NDF: 2298723.5/34

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

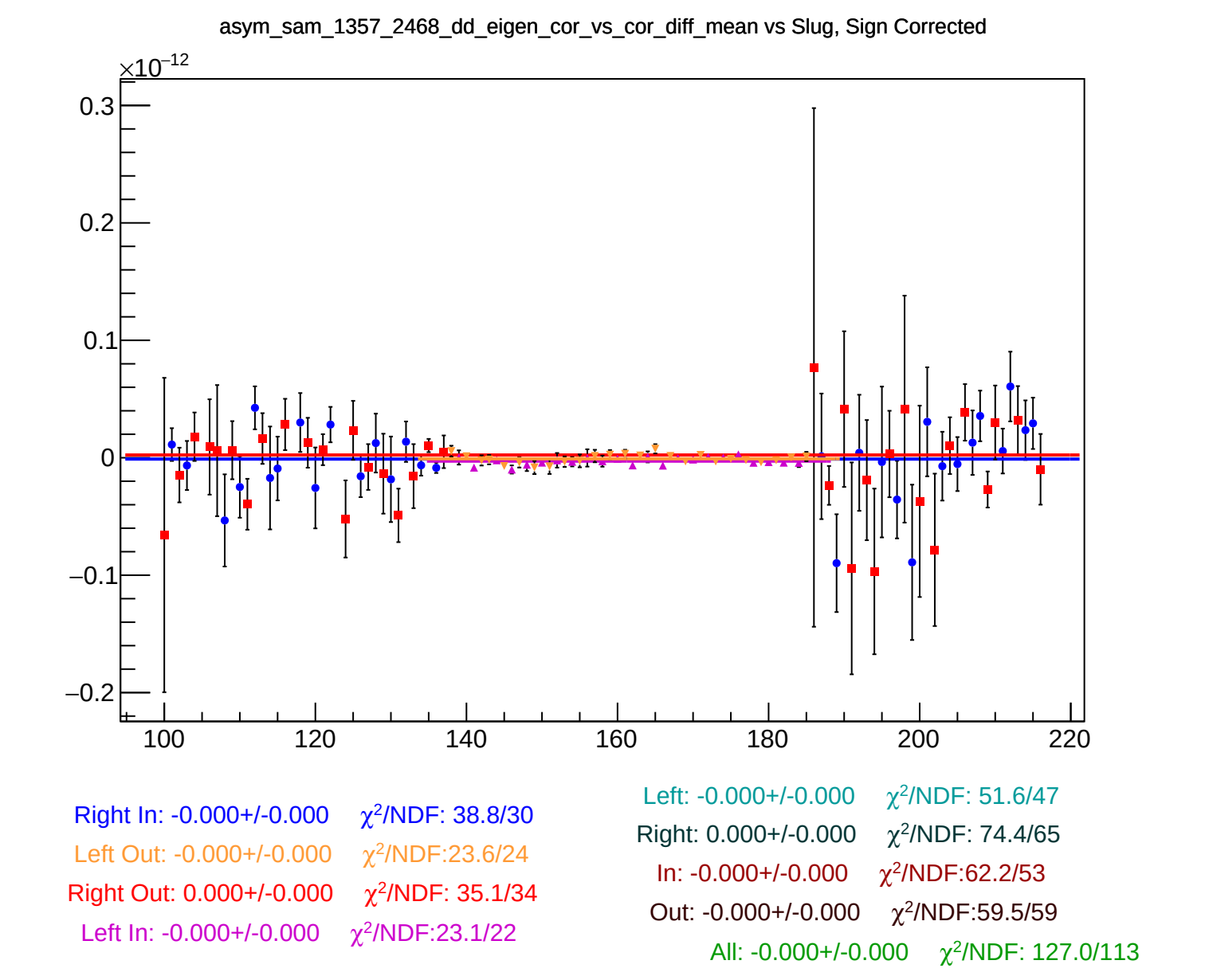
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.412+/-0.002 χ^2/NDF: 4657179.3/65

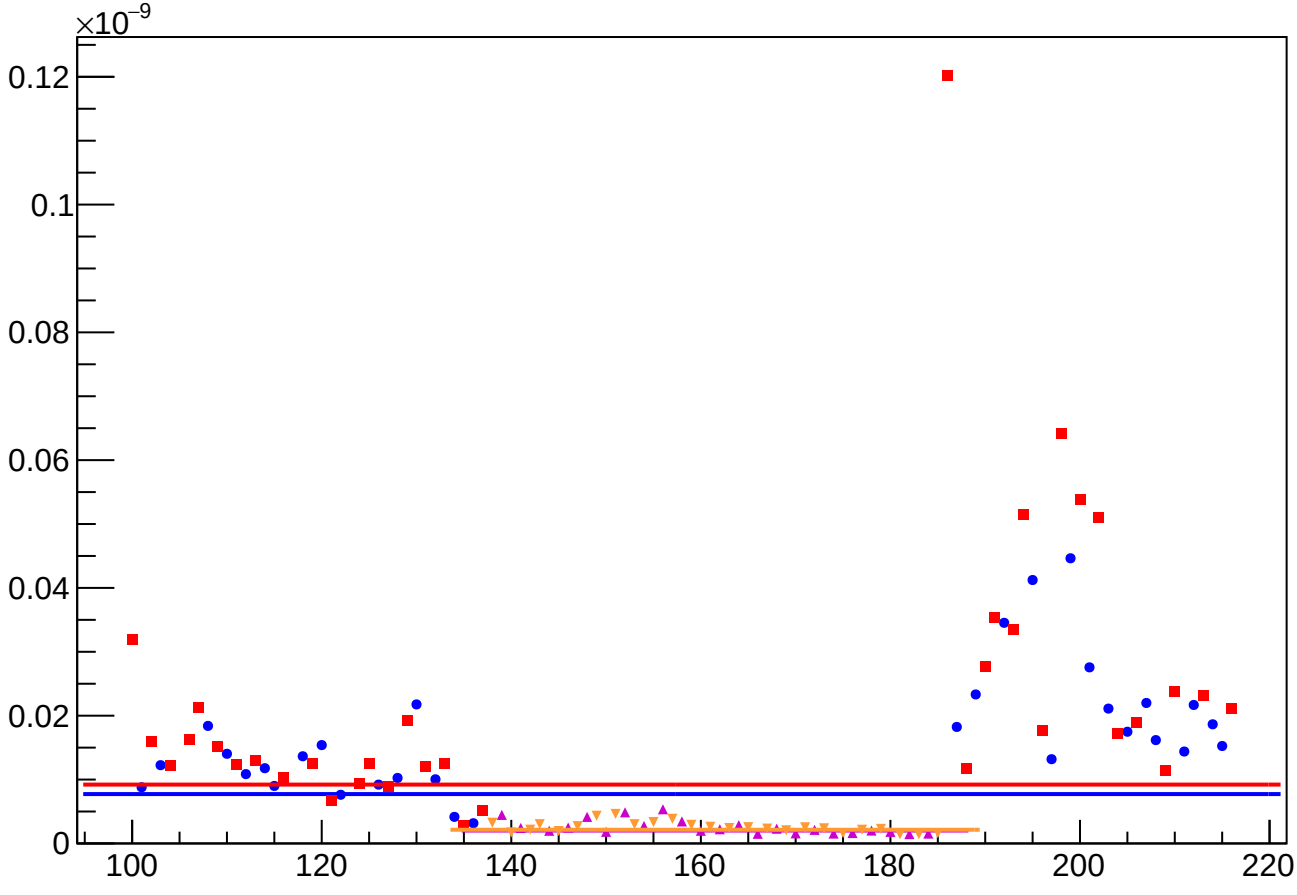
In: 18.078+/-0.002 χ^2/NDF:4633765.0/53

Out: 17.956+/-0.002 χ^2/NDF:5420141.9/59

All: 18.015+/-0.002 χ^2/NDF: 10055442.8/113


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 38.8/30
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.1/34
Left In: -0.000+/-0.000 χ²/NDF:23.1/22
Left: -0.000+/-0.000 χ²/NDF: 51.6/47
Right: 0.000+/-0.000 χ²/NDF: 74.4/65
In: -0.000+/-0.000 χ²/NDF:62.2/53
Out: -0.000+/-0.000 χ²/NDF:59.5/59
All: -0.000+/-0.000 χ²/NDF: 127.0/113

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: 9769171.6/34

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

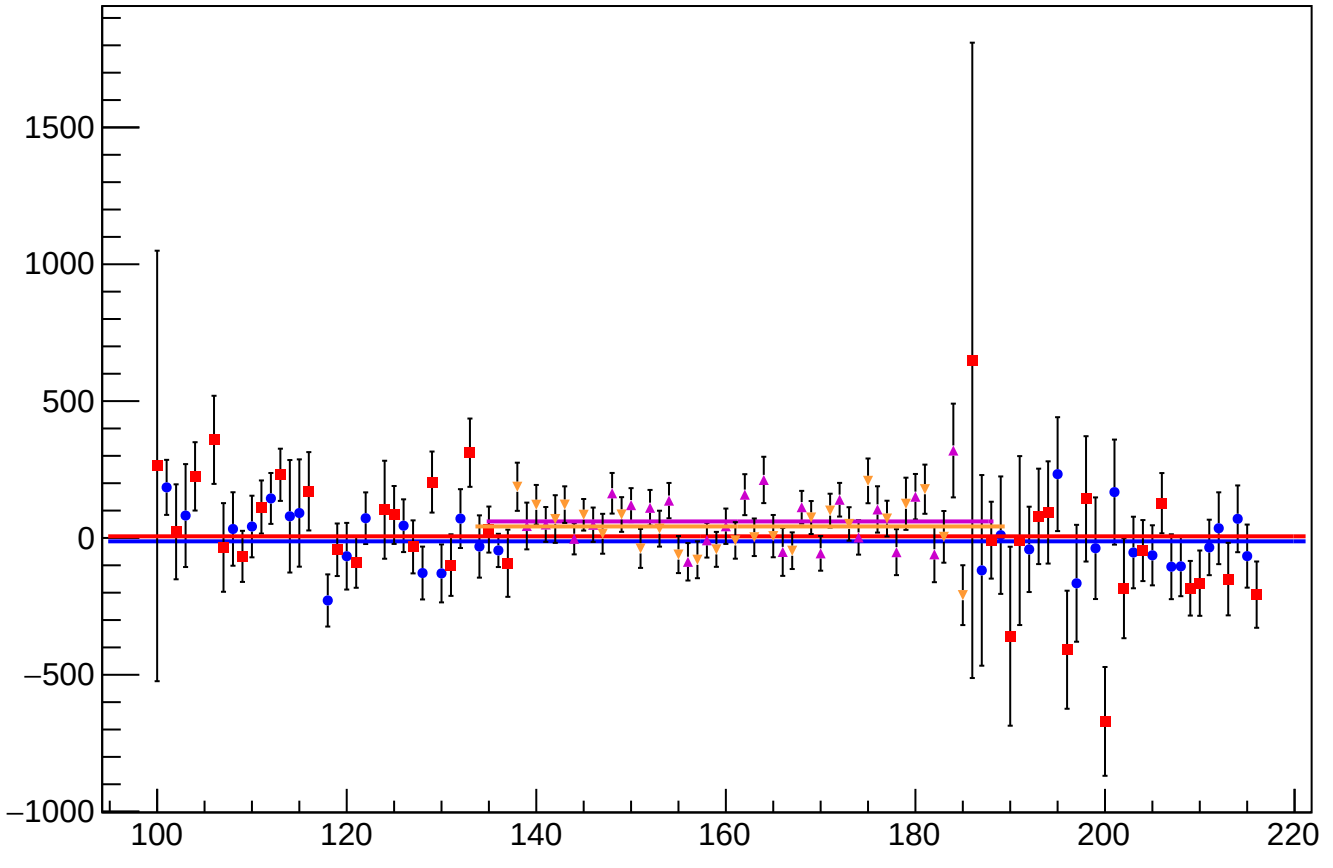
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 18920993.2/65

In: 0.000+/-0.000 χ^2/NDF:18271952.8/53

Out: 0.000+/-0.000 χ^2/NDF:20047201.3/59

All: 0.000+/-0.000 χ^2/NDF: 38351207.8/113



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: 5.957+/-21.698 χ^2/NDF: 60.1/34

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

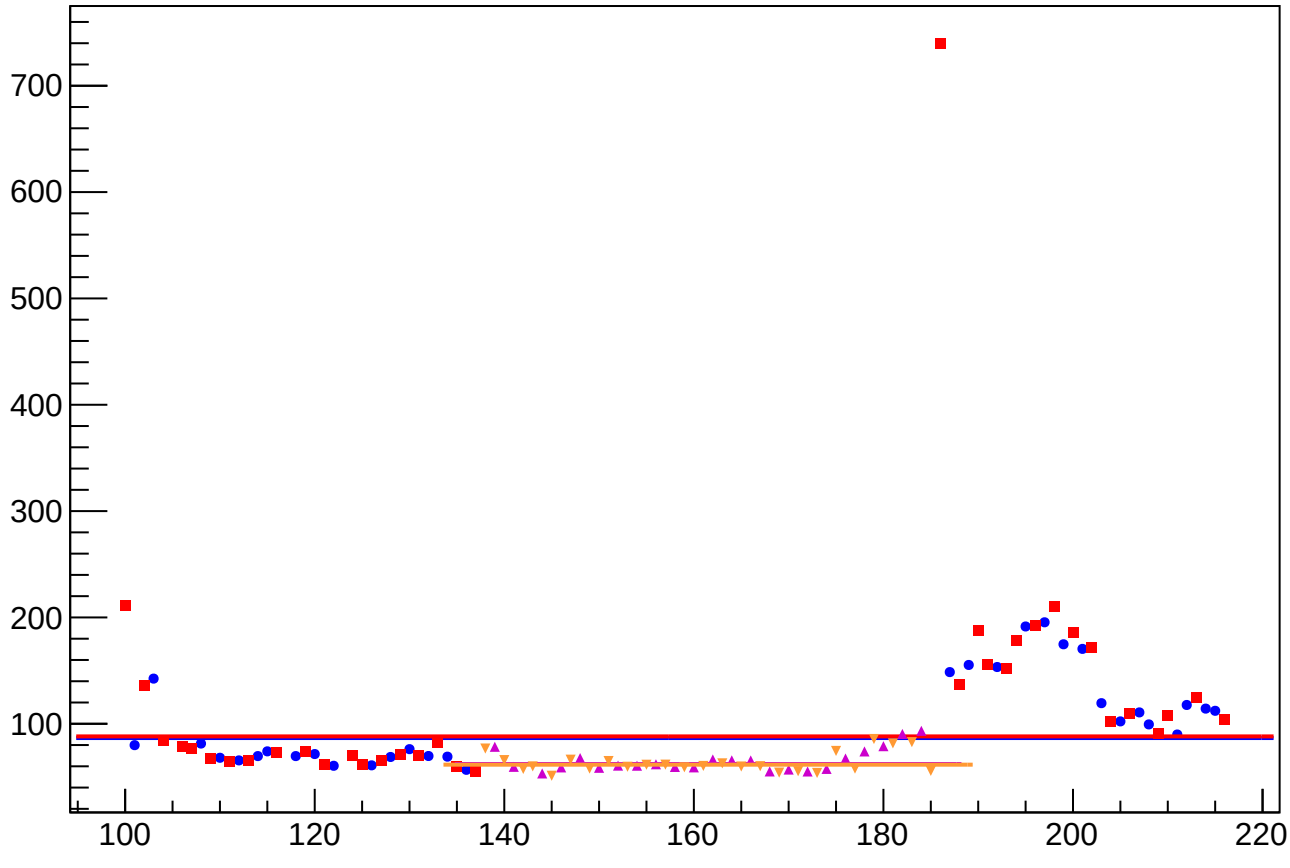
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: -3.407+/-15.169 χ^2/NDF: 83.7/65

In: 36.751+/-12.090 χ^2/NDF:63.4/53

Out: 31.220+/-11.871 χ^2/NDF:94.0/59

All: 33.935+/-8.470 χ^2/NDF: 157.5/113



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: 88.121+/-0.015 χ^2/NDF: 5675503.2/34

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

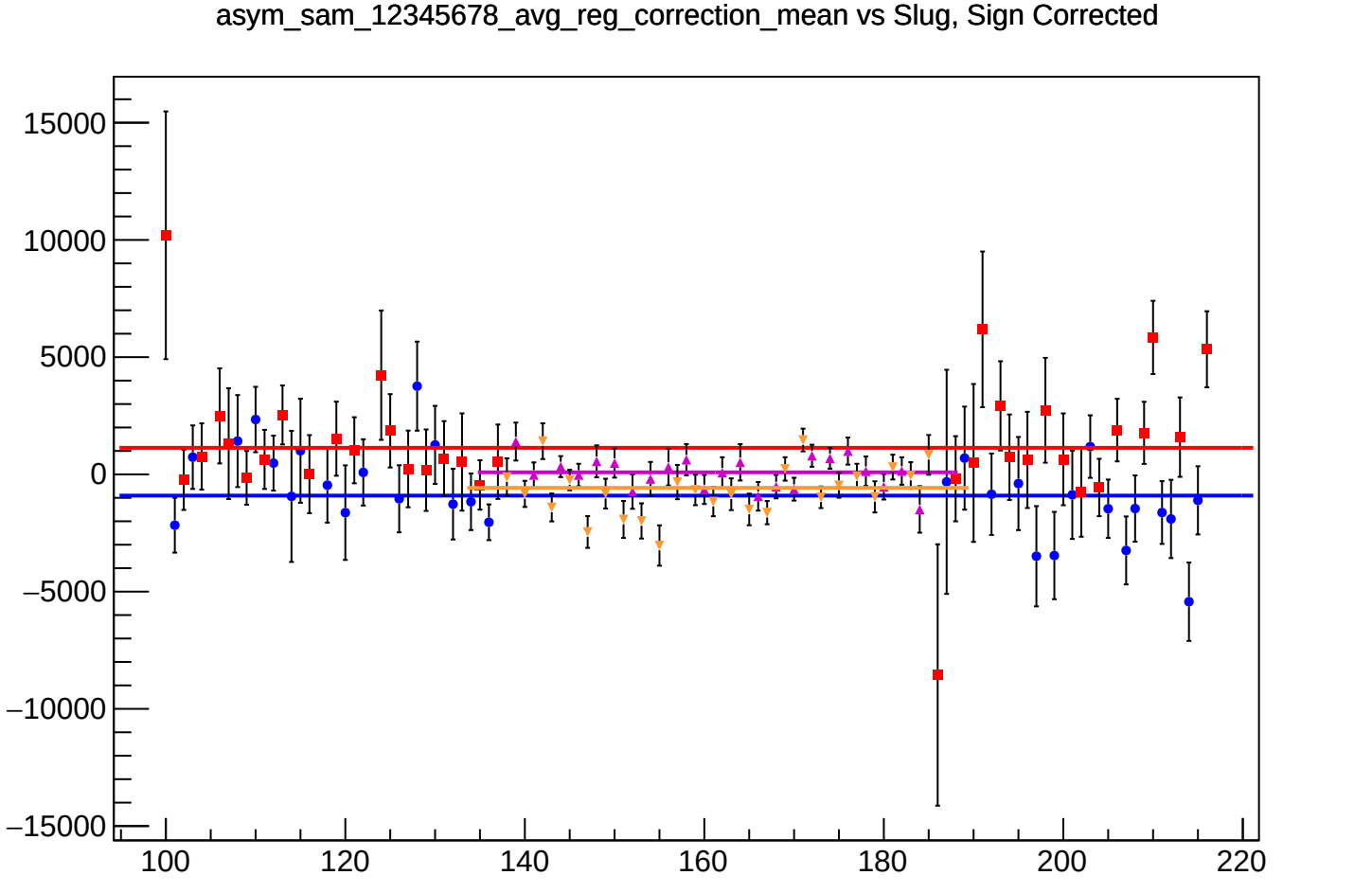
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 87.336+/-0.011 χ^2/NDF: 10194046.1/65

In: 70.083+/-0.009 χ^2/NDF:6902605.0/53

Out: 69.499+/-0.008 χ^2/NDF:8415876.6/59

All: 69.786+/-0.006 χ^2/NDF: 15320859.8/113



Right In: -904.615+/-269.468 χ^2/NDF: 39.7/30

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 1134.242+/-277.093 χ^2/NDF: 39.2/34

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

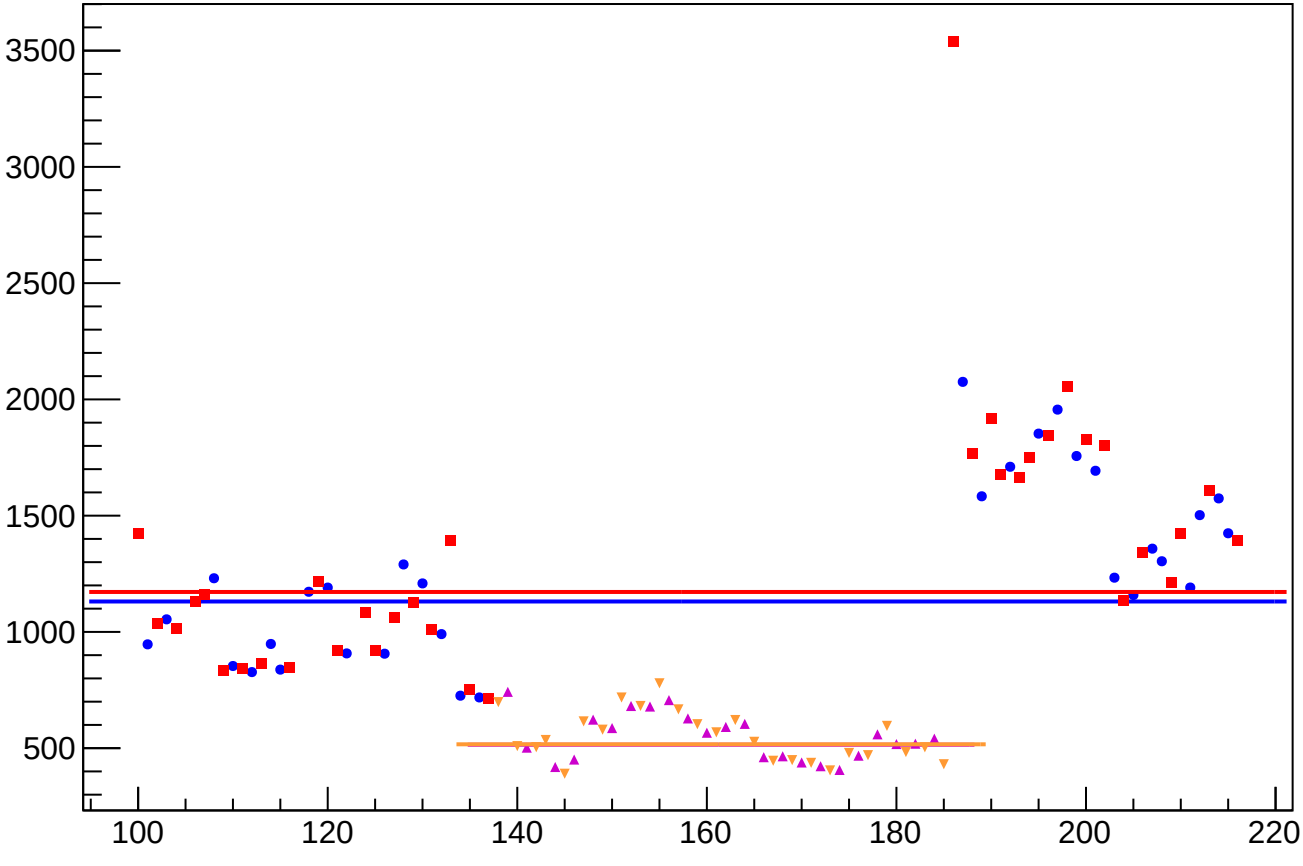
Right: 86.376+/-193.182 χ^2/NDF: 106.8/65

In: -81.707+/-111.512 χ^2/NDF:75.6/53

Out: -305.908+/-109.913 χ^2/NDF:140.0/59

All: -195.426+/-78.280 χ^2/NDF: 217.7/113

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: 1171.830+/-0.196 χ^2/NDF: 3504170.2/34

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

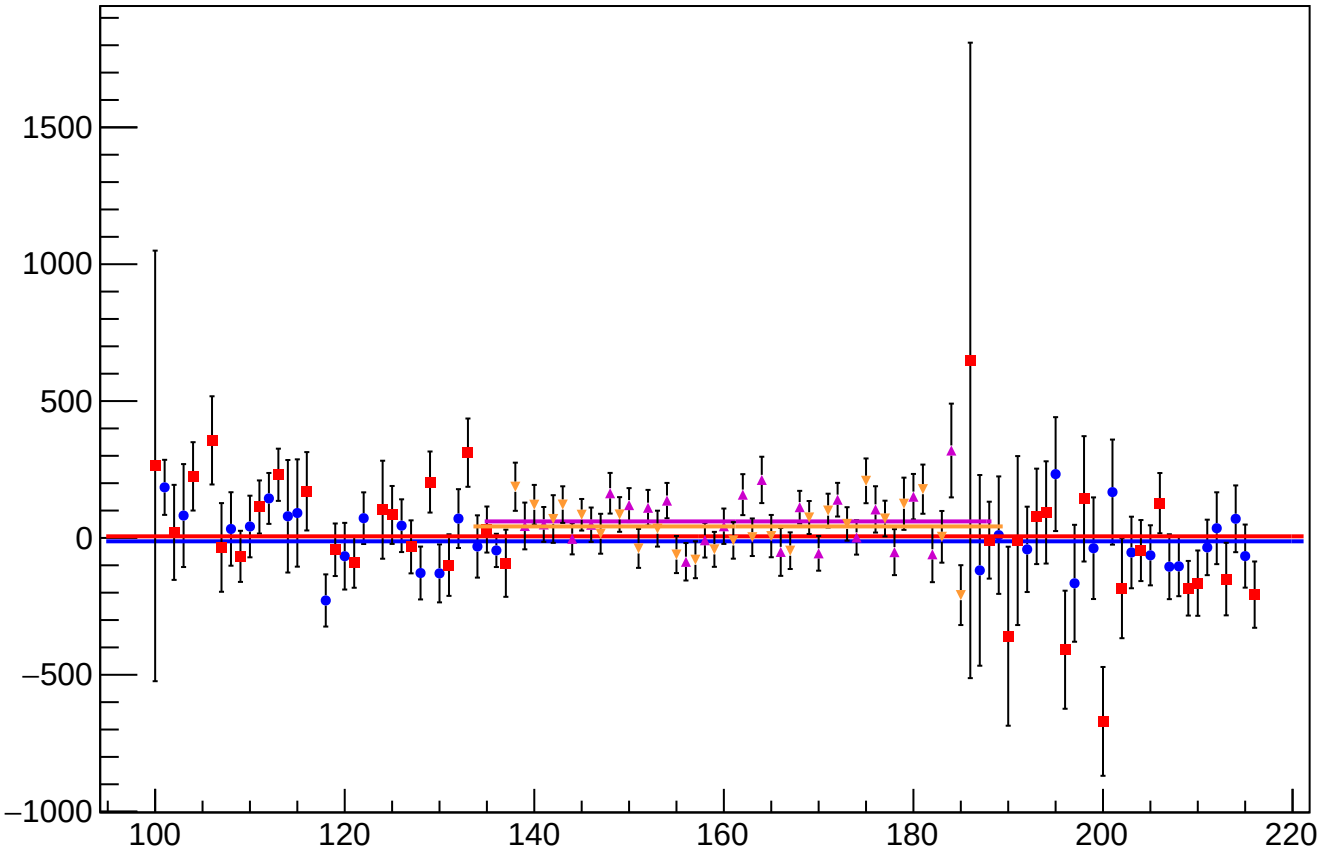
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1150.778+/-0.137 χ^2/NDF: 6561884.6/65

In: 620.285+/-0.079 χ^2/NDF:12819766.4/53

Out: 619.726+/-0.078 χ^2/NDF:14191890.5/59

All: 620.001+/-0.055 χ^2/NDF: 27011682.4/11



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: 5.873+/-21.698 χ^2/NDF: 60.0/34

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

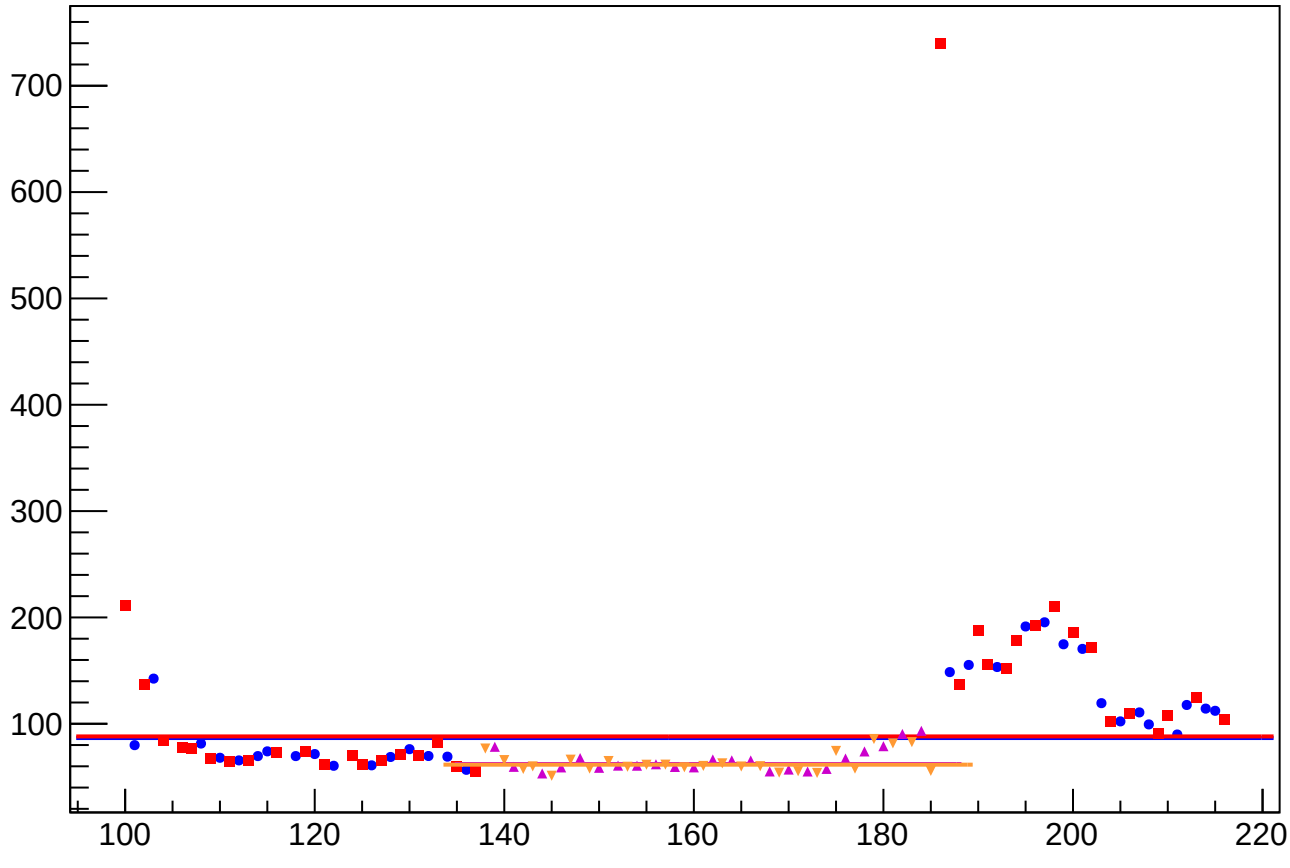
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -3.451+/-15.169 χ^2/NDF: 83.6/65

In: 36.749+/-12.090 χ^2/NDF:63.4/53

Out: 31.199+/-11.871 χ^2/NDF:94.0/59

All: 33.923+/-8.470 χ^2/NDF: 157.5/113



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: 88.109+/-0.015 χ^2/NDF: 5676856.5/34

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

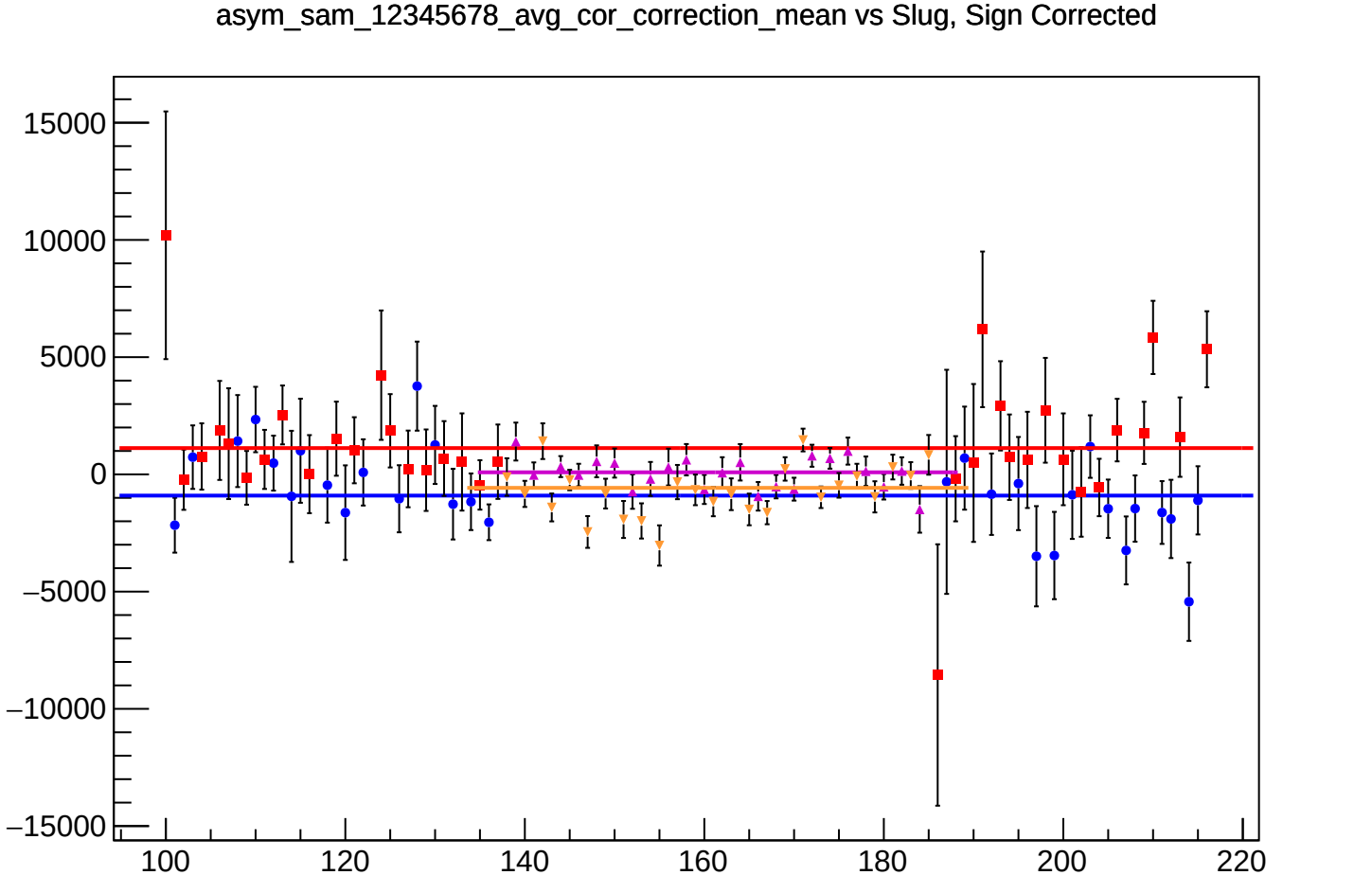
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 87.330+/-0.011 χ^2/NDF: 10195322.4/65

In: 70.083+/-0.009 χ^2/NDF:6902608.1/53

Out: 69.495+/-0.008 χ^2/NDF:8415249.2/59

All: 69.784+/-0.006 χ^2/NDF: 15320267.2/113



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: 1121.912+/-277.304 χ^2/NDF: 38.9/34

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

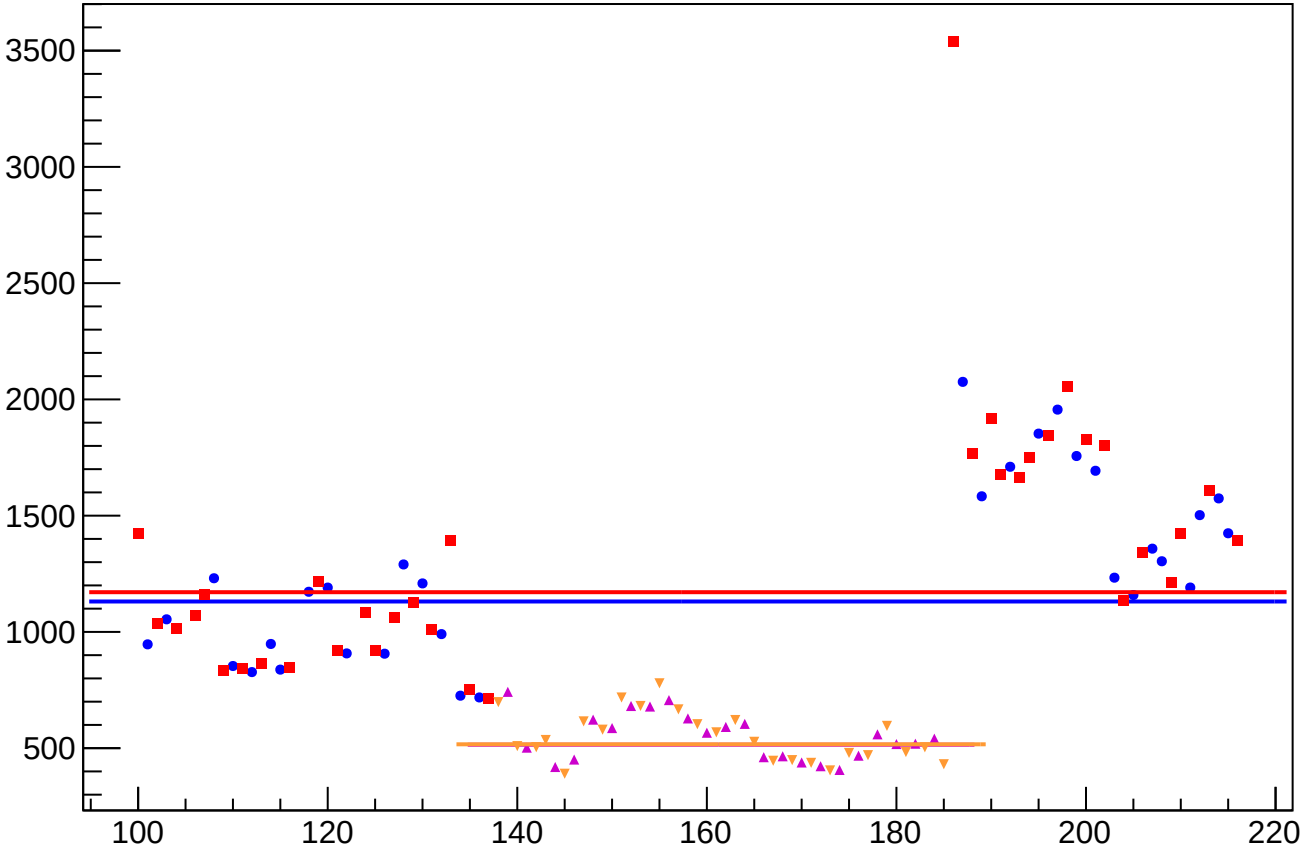
Right: 79.624+/-193.254 χ^2/NDF: 106.1/65

In: -81.704+/-111.512 χ^2/NDF:75.6/53

Out: -308.184+/-109.926 χ^2/NDF:139.2/59

All: -196.565+/-78.284 χ^2/NDF: 216.9/113

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: 1170.851+/-0.196 χ^2/NDF: 3507797.4/34

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

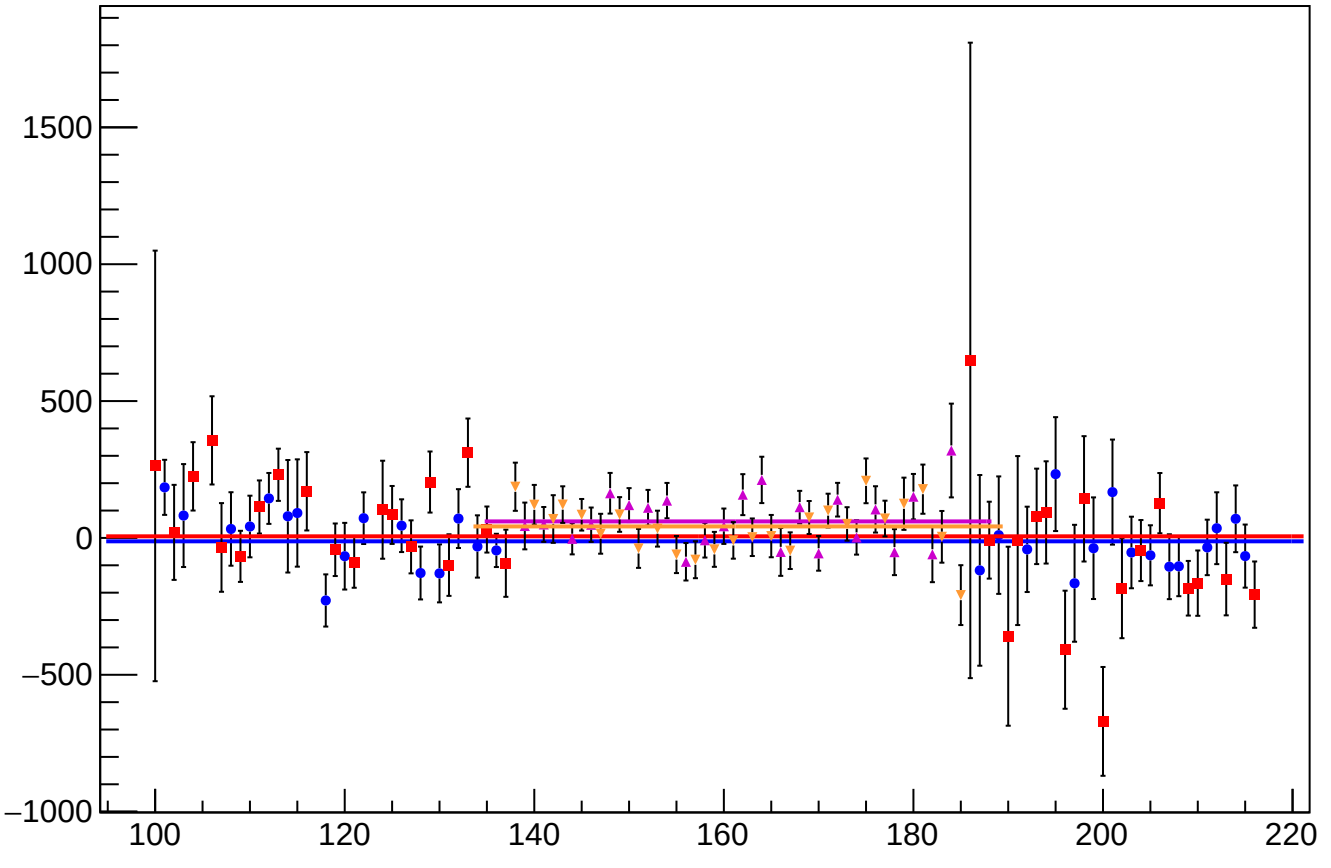
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1150.289+/-0.137 χ^2/NDF: 6564420.7/65

In: 620.285+/-0.079 χ^2/NDF:12819807.7/53

Out: 619.440+/-0.078 χ^2/NDF:14155373.8/59

All: 619.857+/-0.055 χ^2/NDF: 26975239.7/11



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: 5.873+/-21.698 χ^2/NDF: 60.0/34

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

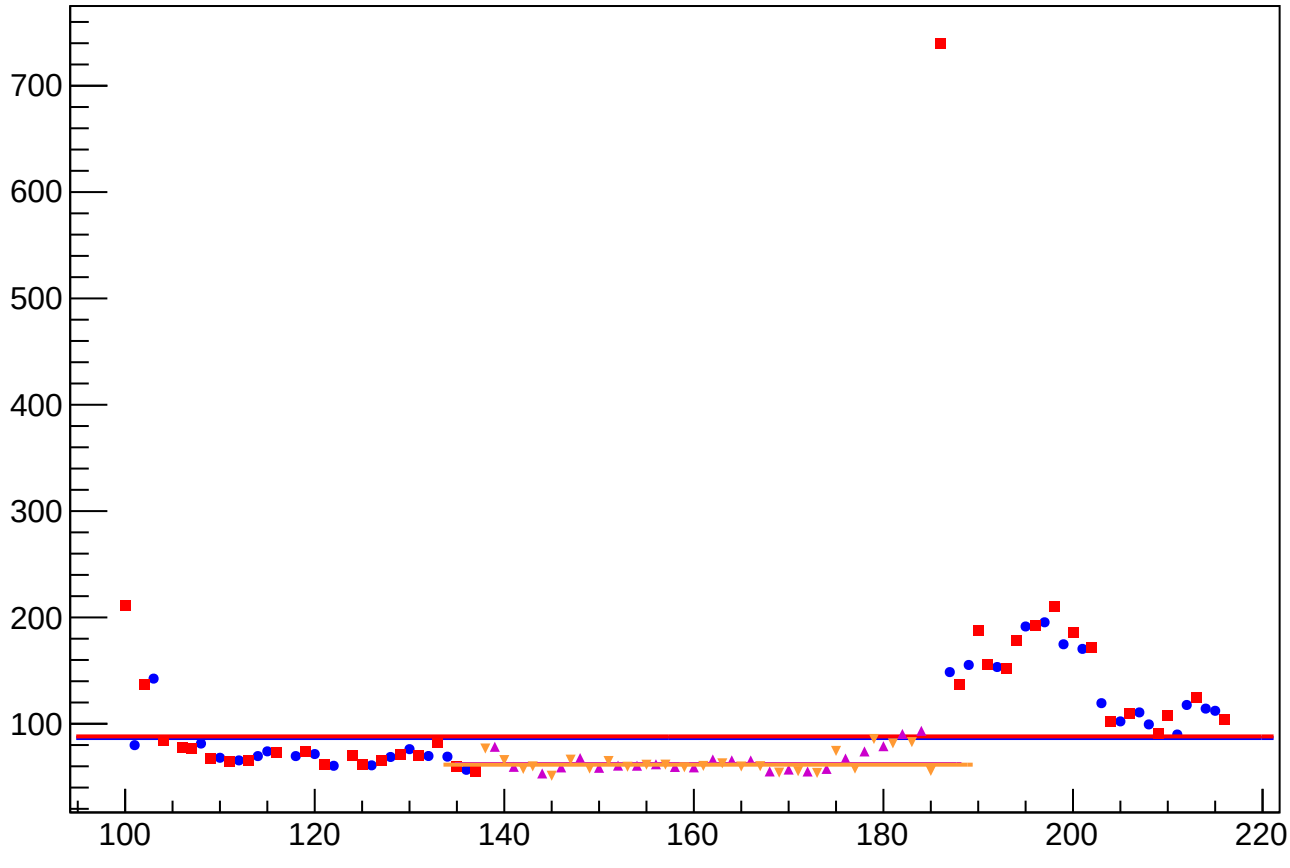
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: -3.451+/-15.169 χ^2/NDF: 83.6/65

In: 36.749+/-12.090 χ^2/NDF:63.4/53

Out: 31.199+/-11.871 χ^2/NDF:94.0/59

All: 33.923+/-8.470 χ^2/NDF: 157.5/113



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: 88.109+/-0.015 χ^2/NDF: 5676856.5/34

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

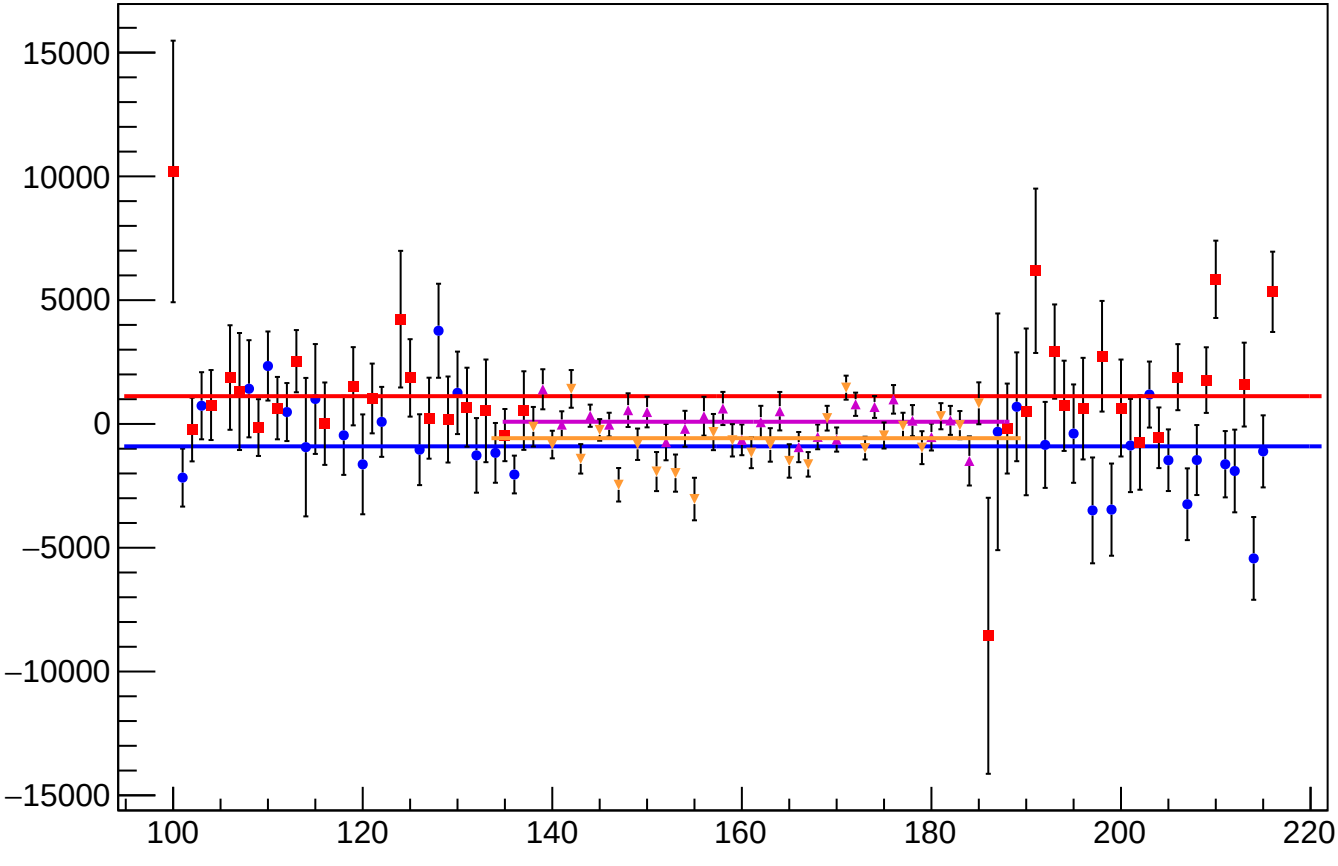
Right: 87.330+/-0.011 χ^2/NDF: 10195322.4/65

In: 70.083+/-0.009 χ^2/NDF:6902608.1/53

Out: 69.495+/-0.008 χ^2/NDF:8415249.2/59

All: 69.784+/-0.006 χ^2/NDF: 15320267.2/113

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1121.912+/-277.304 χ^2/NDF: 38.9/34

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

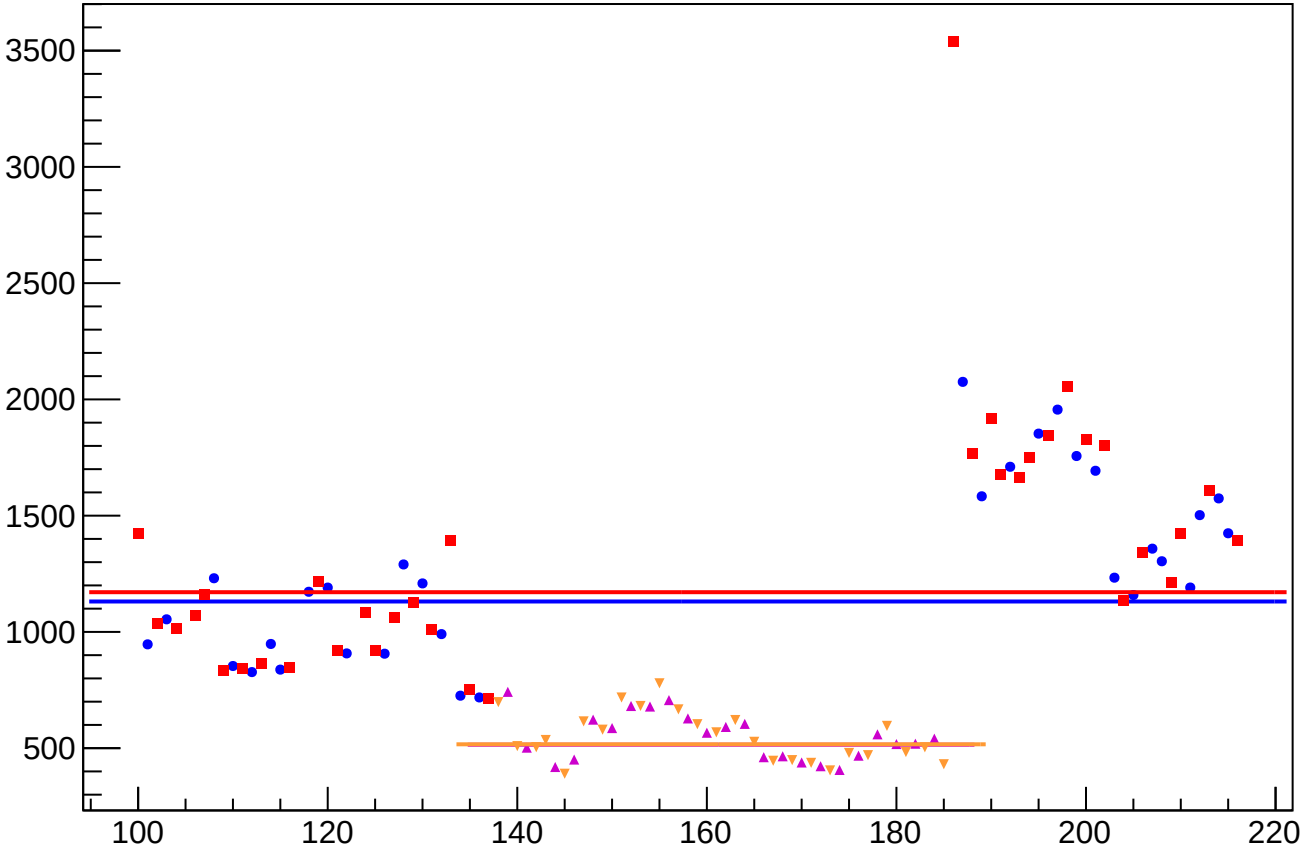
Right: 79.624+/-193.254 χ^2/NDF: 106.1/65

In: -81.704+/-111.512 χ^2/NDF:75.6/53

Out: -308.184+/-109.926 χ^2/NDF:139.2/59

All: -196.565+/-78.284 χ^2/NDF: 216.9/113

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: 1170.851+/-0.196 χ^2/NDF: 3507797.4/34

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

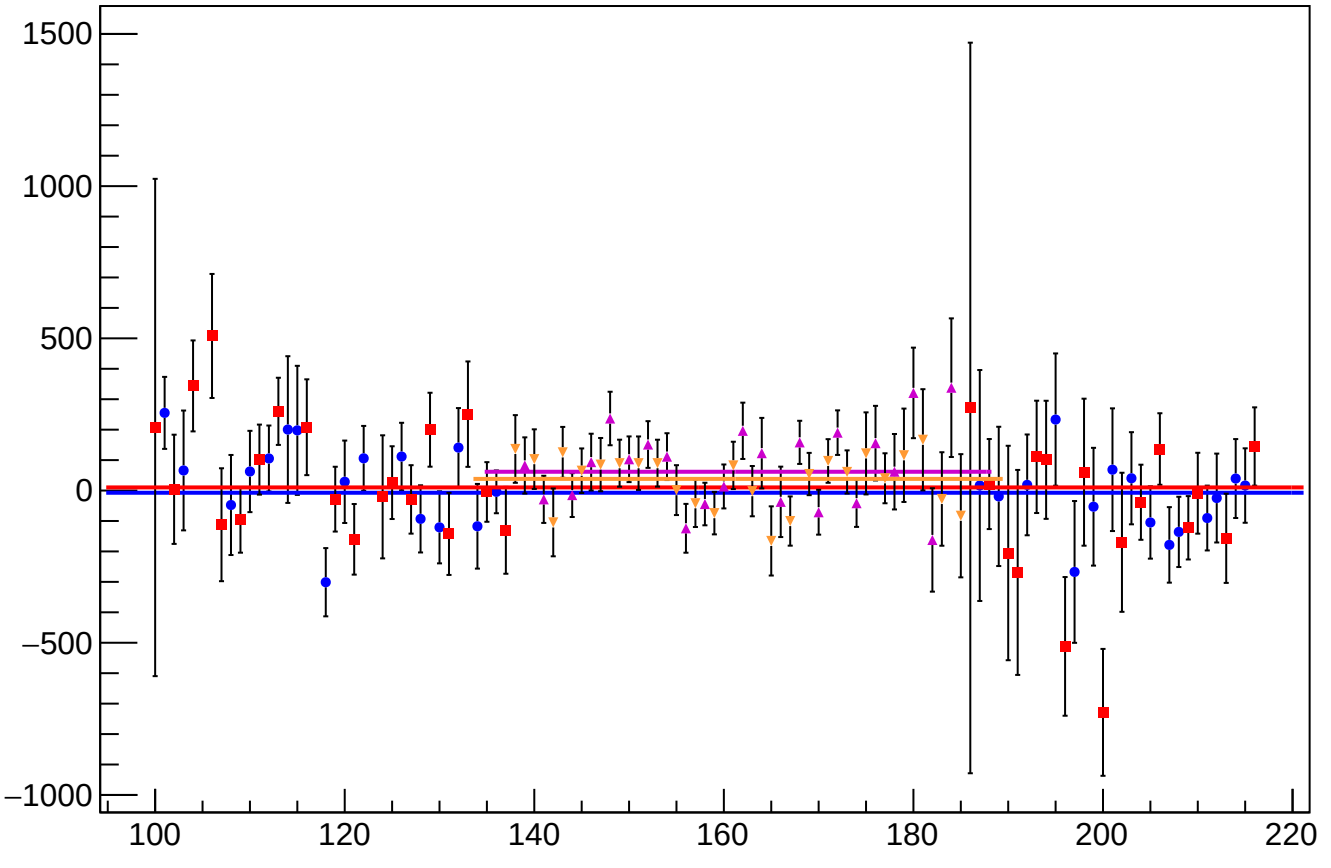
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1150.289+/-0.137 χ^2/NDF: 6564420.7/65

In: 620.285+/-0.079 χ^2/NDF:12819807.7/53

Out: 619.440+/-0.078 χ^2/NDF:14155373.8/59

All: 619.857+/-0.055 χ^2/NDF: 26975239.7/11



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: 10.277+/-24.599 χ^2/NDF: 54.3/34

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

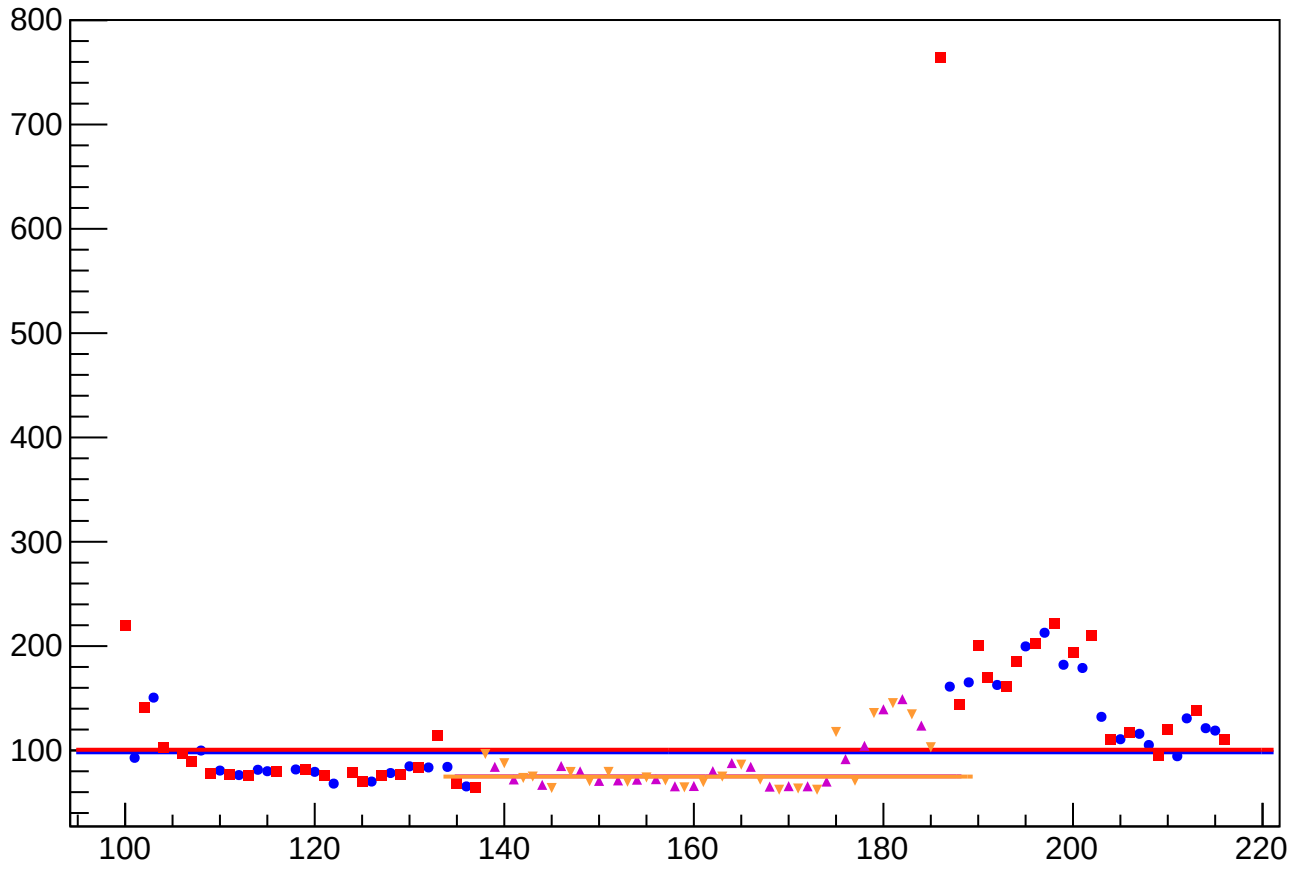
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 1.256+/-17.130 χ^2/NDF: 82.9/65

In: 36.384+/-14.468 χ^2/NDF:70.3/53

Out: 28.750+/-14.351 χ^2/NDF:74.0/59

All: 32.536+/-10.189 χ^2/NDF: 144.4/113



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: 100.633+/-0.017 χ^2/NDF: 4963880.9/34

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

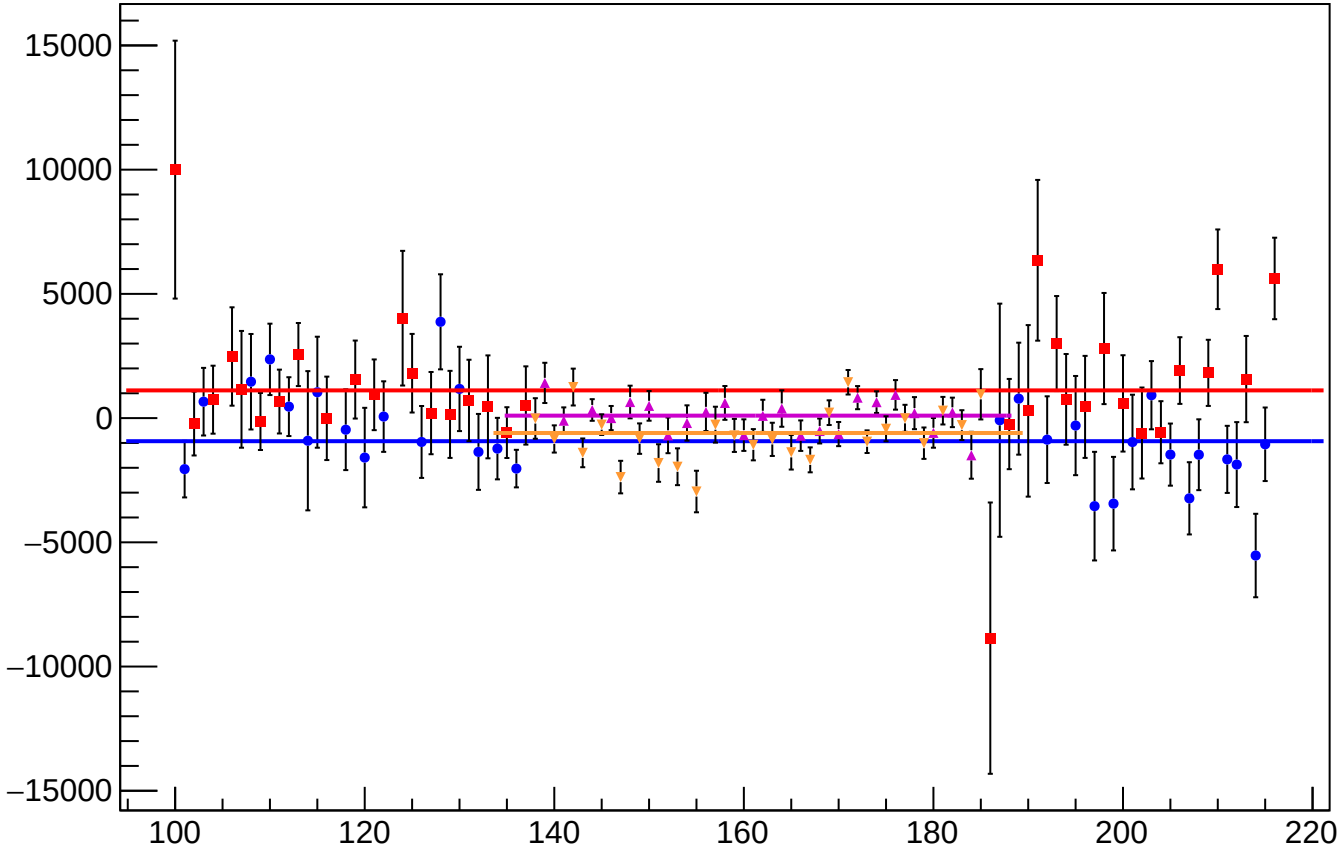
Right: 99.383+/-0.012 χ^2/NDF: 8741570.1/65

In: 83.626+/-0.010 χ^2/NDF:6260190.7/53

Out: 83.660+/-0.010 χ^2/NDF:8068911.9/59

All: 83.643+/-0.007 χ^2/NDF: 14329108.2/113

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



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: 1115.368+/-277.475 χ^2/NDF: 41.3/34

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

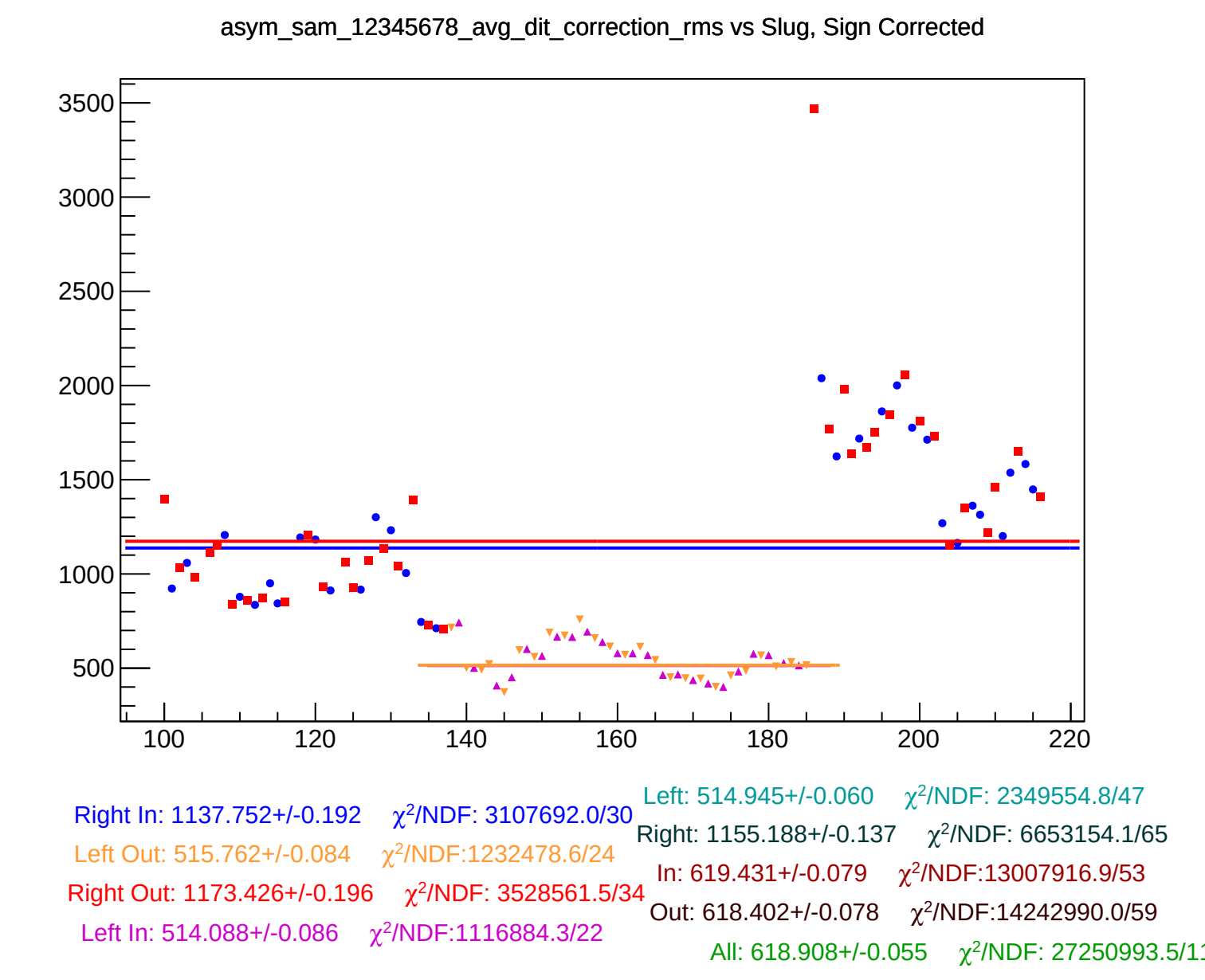
Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

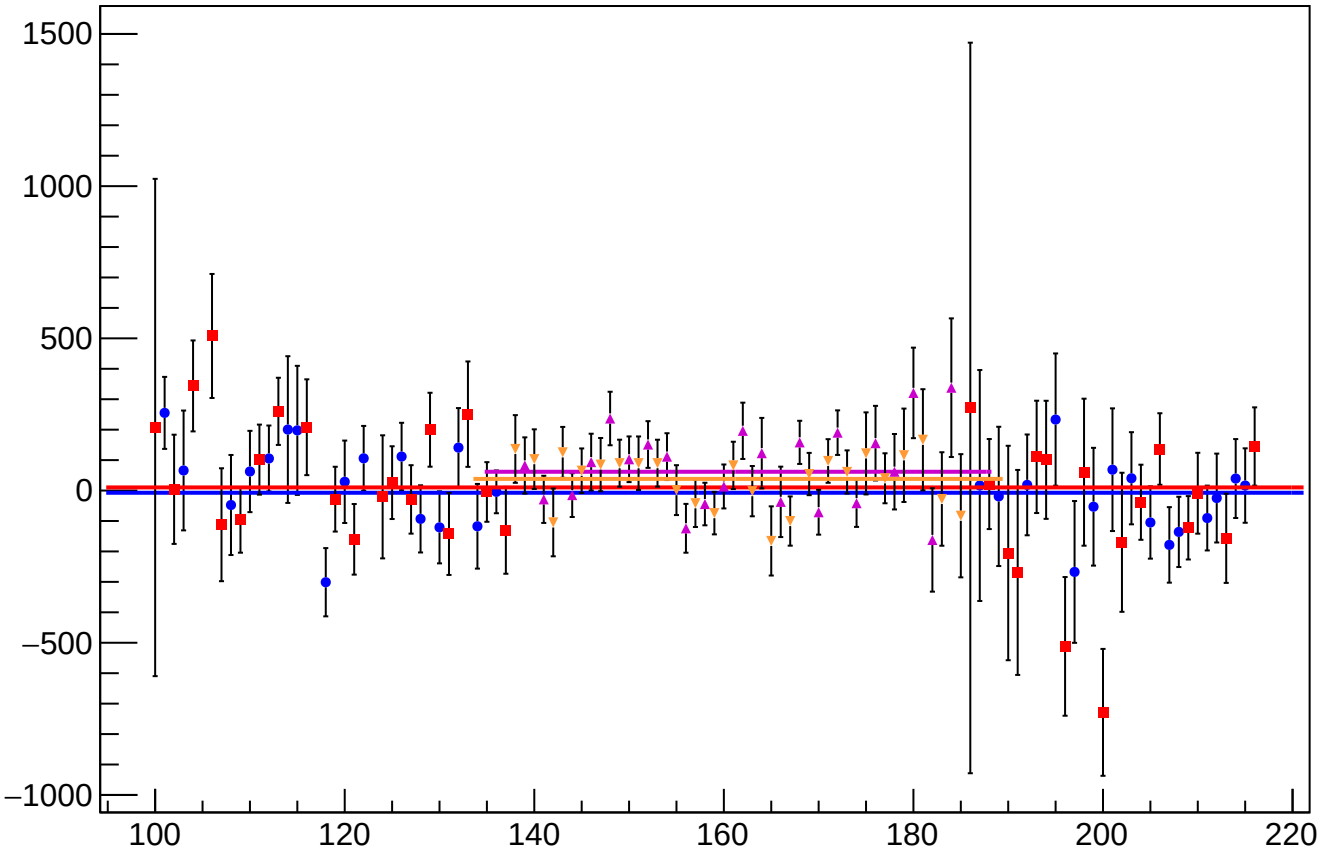
Right: 70.089+/-193.987 χ^2/NDF: 107.8/65

In: -74.593+/-111.503 χ^2/NDF:74.4/53

Out: -331.296+/-109.618 χ^2/NDF:138.5/59

All: -205.133+/-78.170 χ^2/NDF: 215.6/113


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: 1173.426+/-0.196 χ²/NDF: 3528561.5/34
Left In: 514.088+/-0.086 χ²/NDF:1116884.3/22
Left: 514.945+/-0.060 χ²/NDF: 2349554.8/47
Right: 1155.188+/-0.137 χ²/NDF: 6653154.1/65
In: 619.431+/-0.079 χ²/NDF:13007916.9/53
Out: 618.402+/-0.078 χ²/NDF:14242990.0/59
All: 618.908+/-0.055 χ²/NDF: 27250993.5/11



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: 10.274+/-24.599 χ^2/NDF: 54.3/34

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

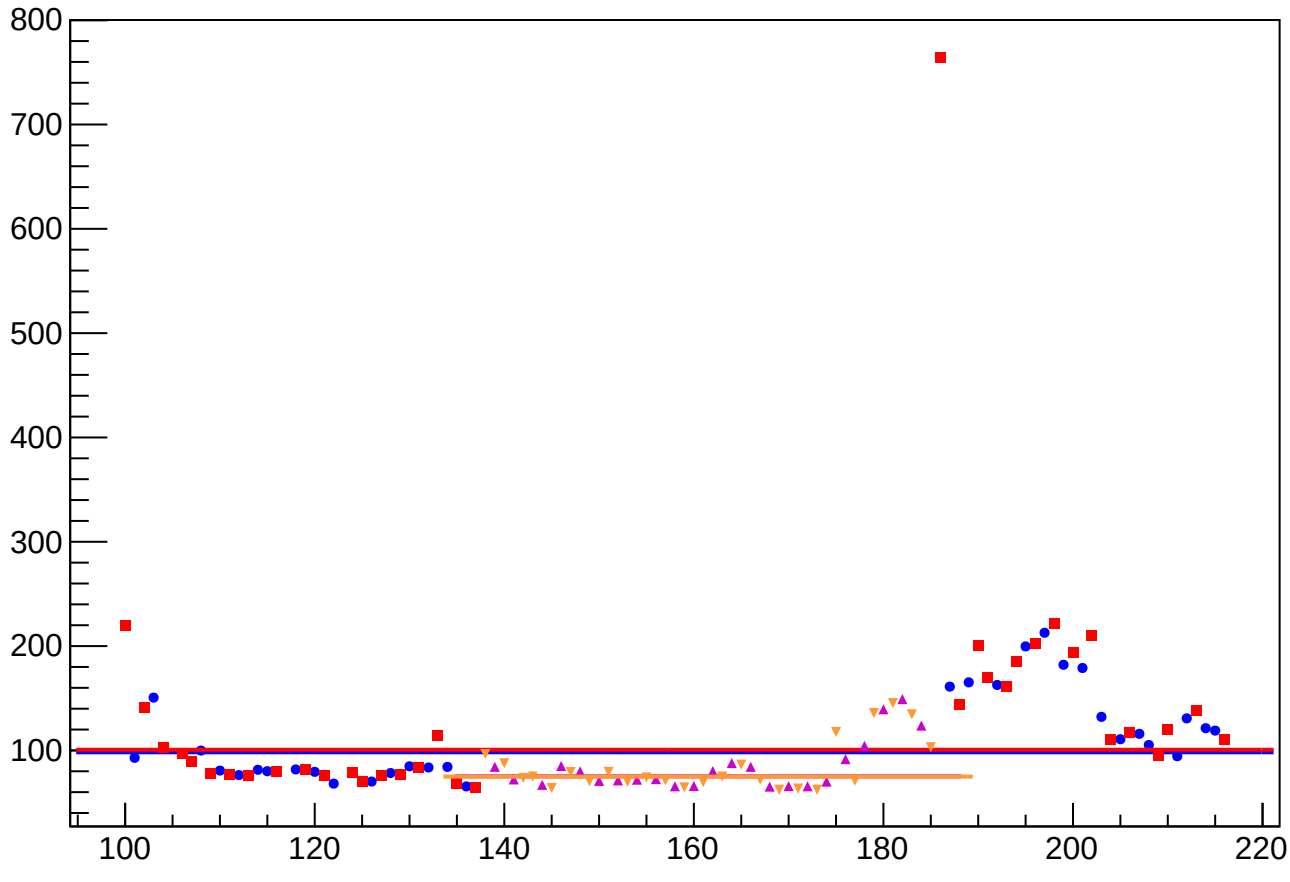
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 1.256+/-17.129 χ^2/NDF: 82.9/65

In: 36.383+/-14.468 χ^2/NDF:70.3/53

Out: 28.749+/-14.351 χ^2/NDF:74.0/59

All: 32.535+/-10.189 χ^2/NDF: 144.4/113



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: 100.633+/-0.017 χ^2/NDF: 4963909.3/34

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

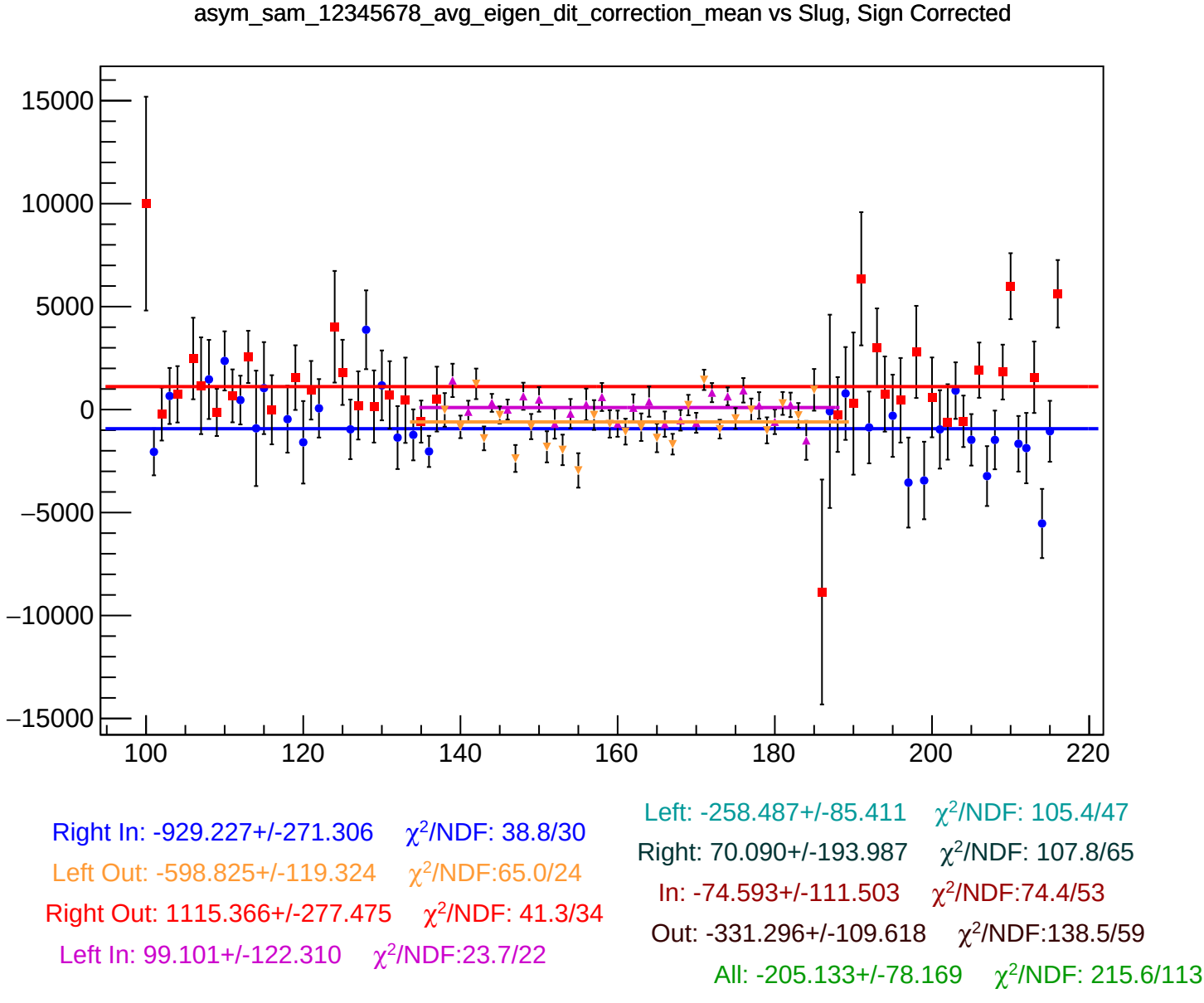
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 99.383+/-0.012 χ^2/NDF: 8741611.6/65

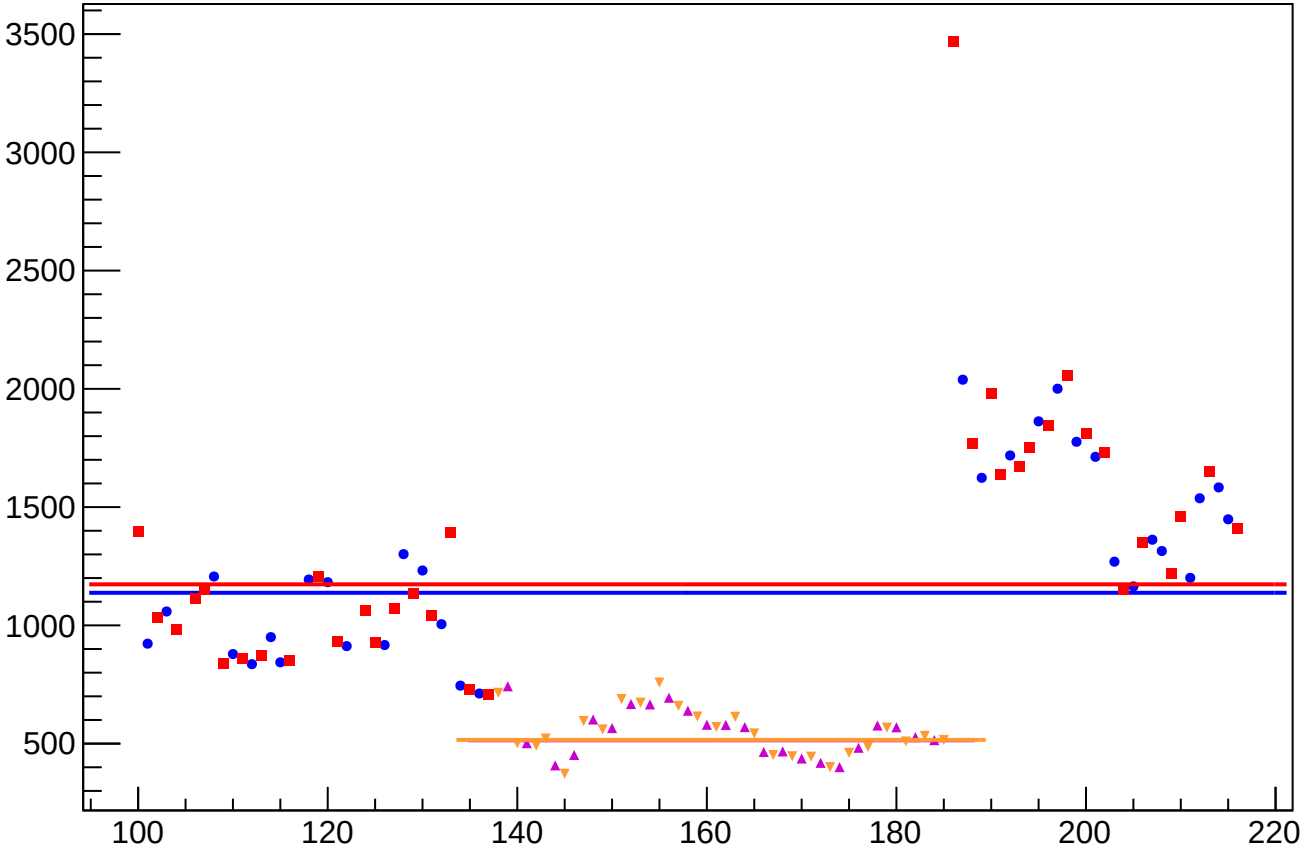
In: 83.626+/-0.010 χ^2/NDF:6260140.7/53

Out: 83.660+/-0.010 χ^2/NDF:8068892.5/59

All: 83.643+/-0.007 χ^2/NDF: 14329038.8/113


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: 1115.366+/-277.475 χ²/NDF: 41.3/34
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 70.090+/-193.987 χ²/NDF: 107.8/65
In: -74.593+/-111.503 χ²/NDF:74.4/53
Out: -331.296+/-109.618 χ²/NDF:138.5/59
All: -205.133+/-78.169 χ²/NDF: 215.6/113

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: 1173.424+/-0.196 χ^2/NDF: 3528574.3/34

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

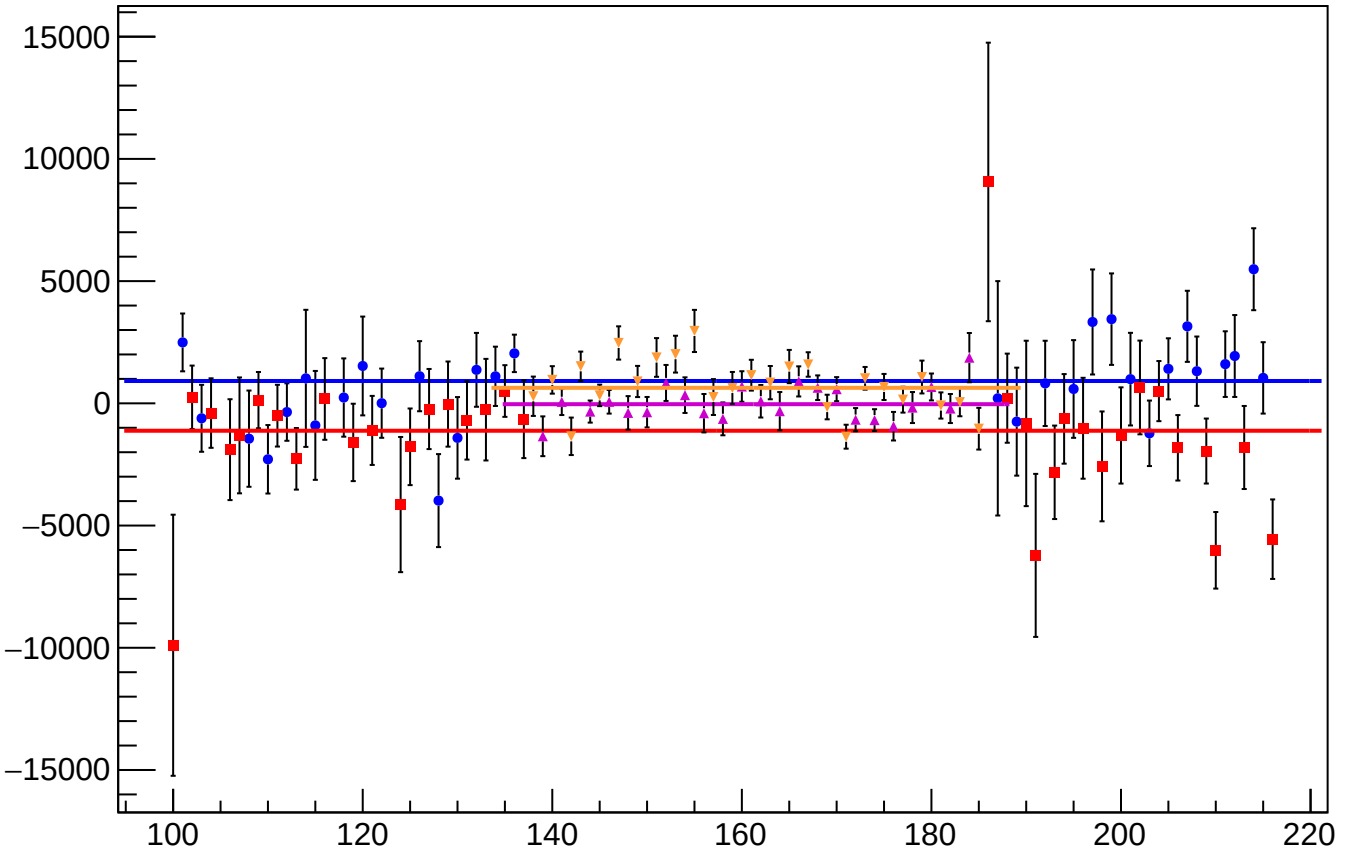
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1155.186+/-0.137 χ^2/NDF: 6653177.1/65

In: 619.430+/-0.079 χ^2/NDF:13007922.6/53

Out: 618.401+/-0.078 χ^2/NDF:14243002.4/59

All: 618.906+/-0.055 χ^2/NDF: 27251011.6/11



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: -1121.033+/-278.241 χ^2/NDF: 39.9/34

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

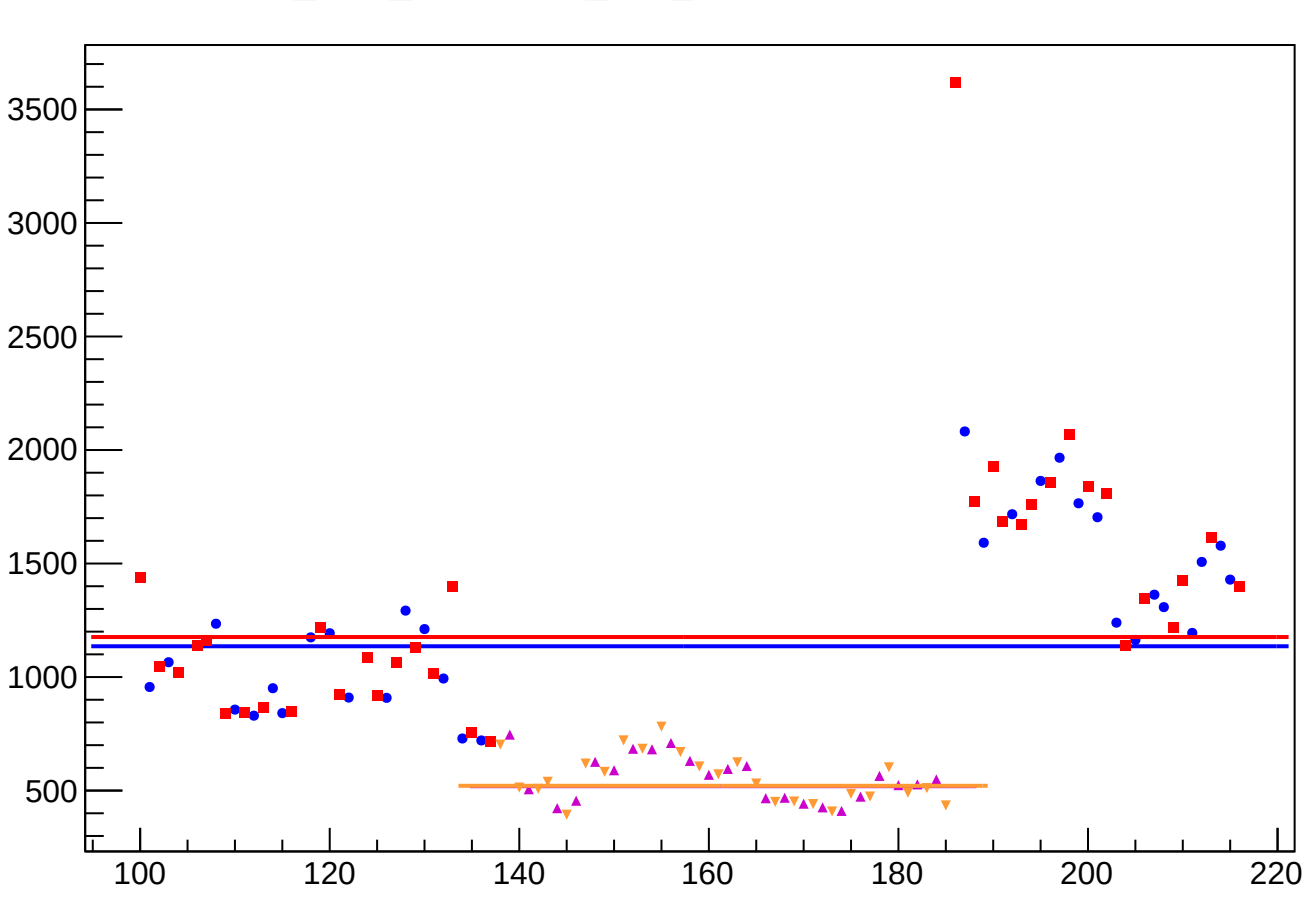
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -75.240+/-193.988 χ^2/NDF: 107.4/65

In: 128.775+/-112.365 χ^2/NDF:75.3/53

Out: 356.639+/-110.743 χ^2/NDF:137.9/59

All: 244.363+/-78.874 χ^2/NDF: 215.3/113



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: 1176.274+/-0.197 χ^2/NDF: 3517764.7/34

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

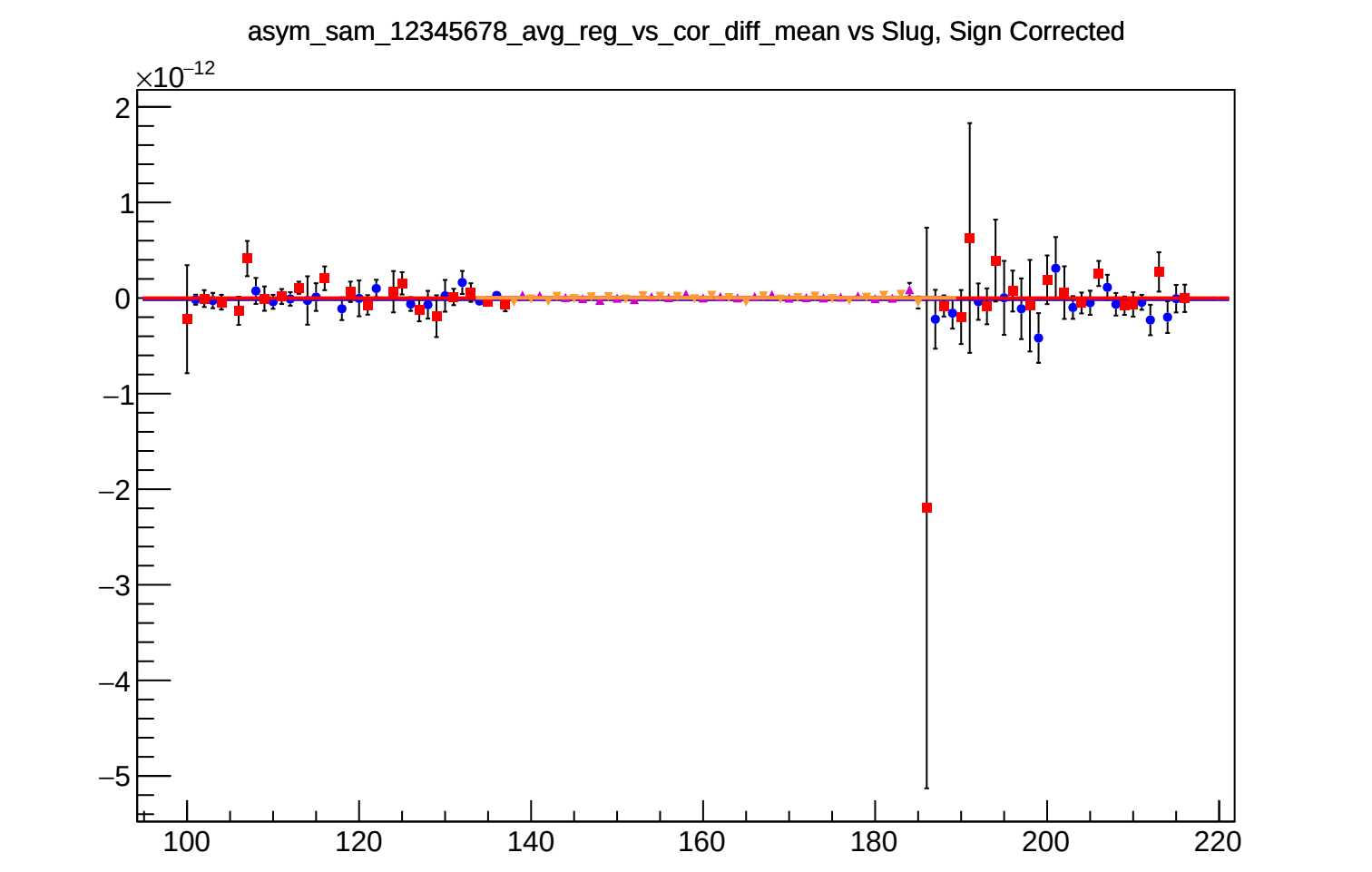
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1155.375+/-0.137 χ^2/NDF: 6575297.5/65

In: 625.519+/-0.079 χ^2/NDF:12723621.4/53

Out: 624.825+/-0.078 χ^2/NDF:14095411.9/59

All: 625.167+/-0.056 χ^2/NDF: 26819072.0/1



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: 29.9/34

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

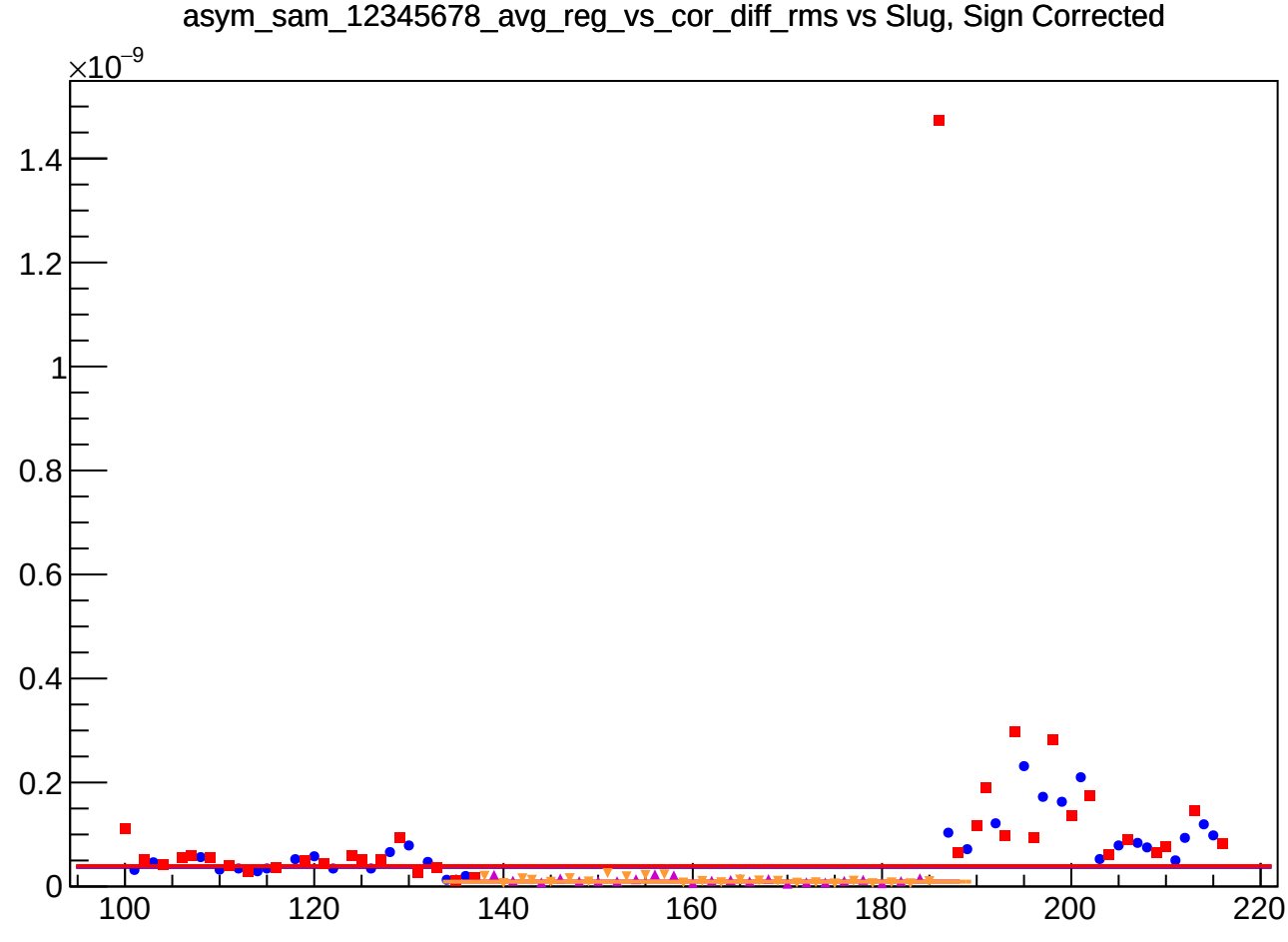
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.4/65

In: 0.000+/-0.000 χ^2/NDF:29.2/53

Out: 0.000+/-0.000 χ^2/NDF:52.4/59

All: 0.000+/-0.000 χ^2/NDF: 81.7/113



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: 6720017.1/34

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

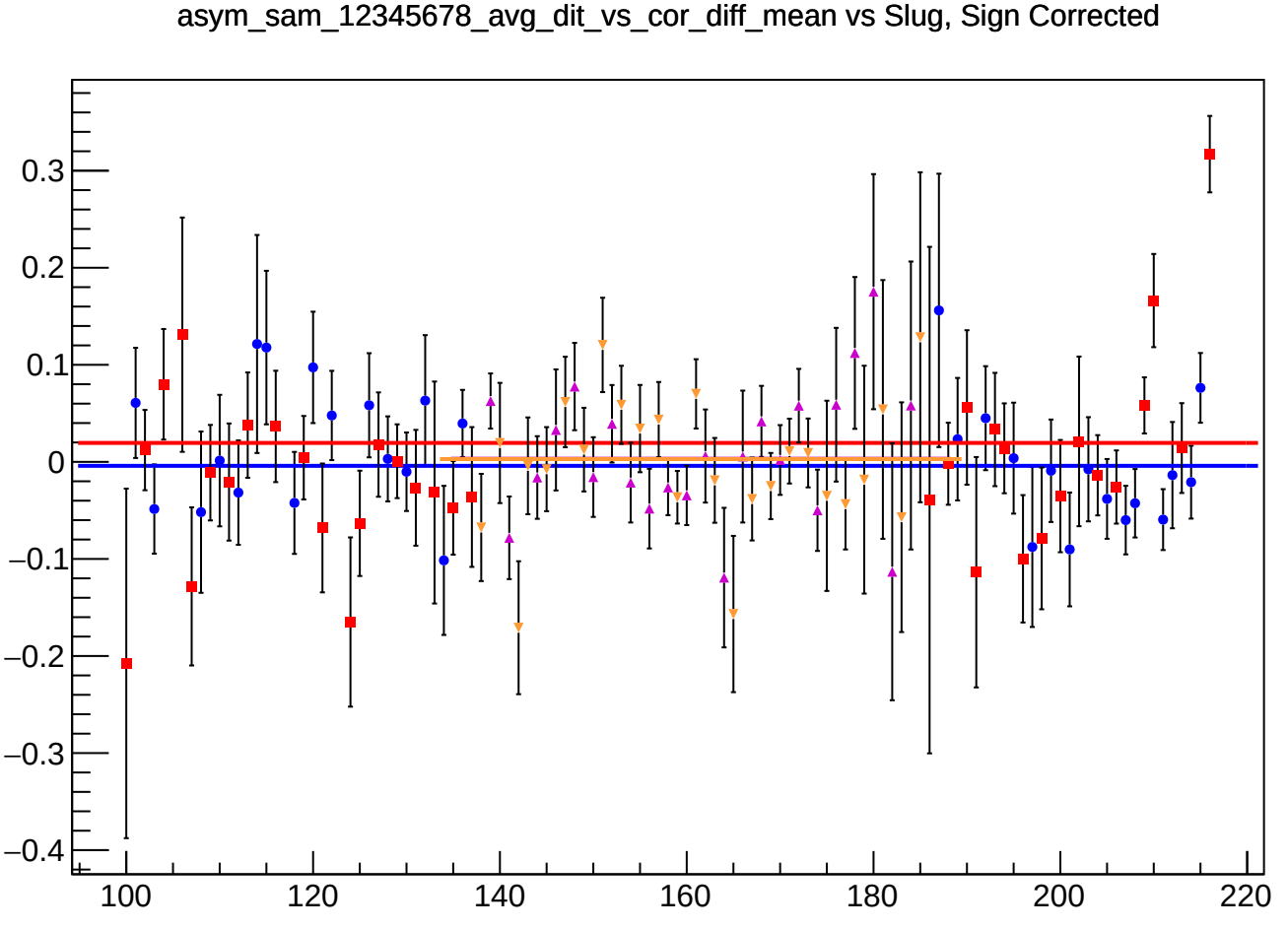
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12701200.8/65

In: 0.000+/-0.000 χ^2/NDF:13330351.1/53

Out: 0.000+/-0.000 χ^2/NDF:14466603.3/59

All: 0.000+/-0.000 χ^2/NDF: 27828185.0/113



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: 0.020+/-0.009 χ^2/NDF: 98.3/34

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

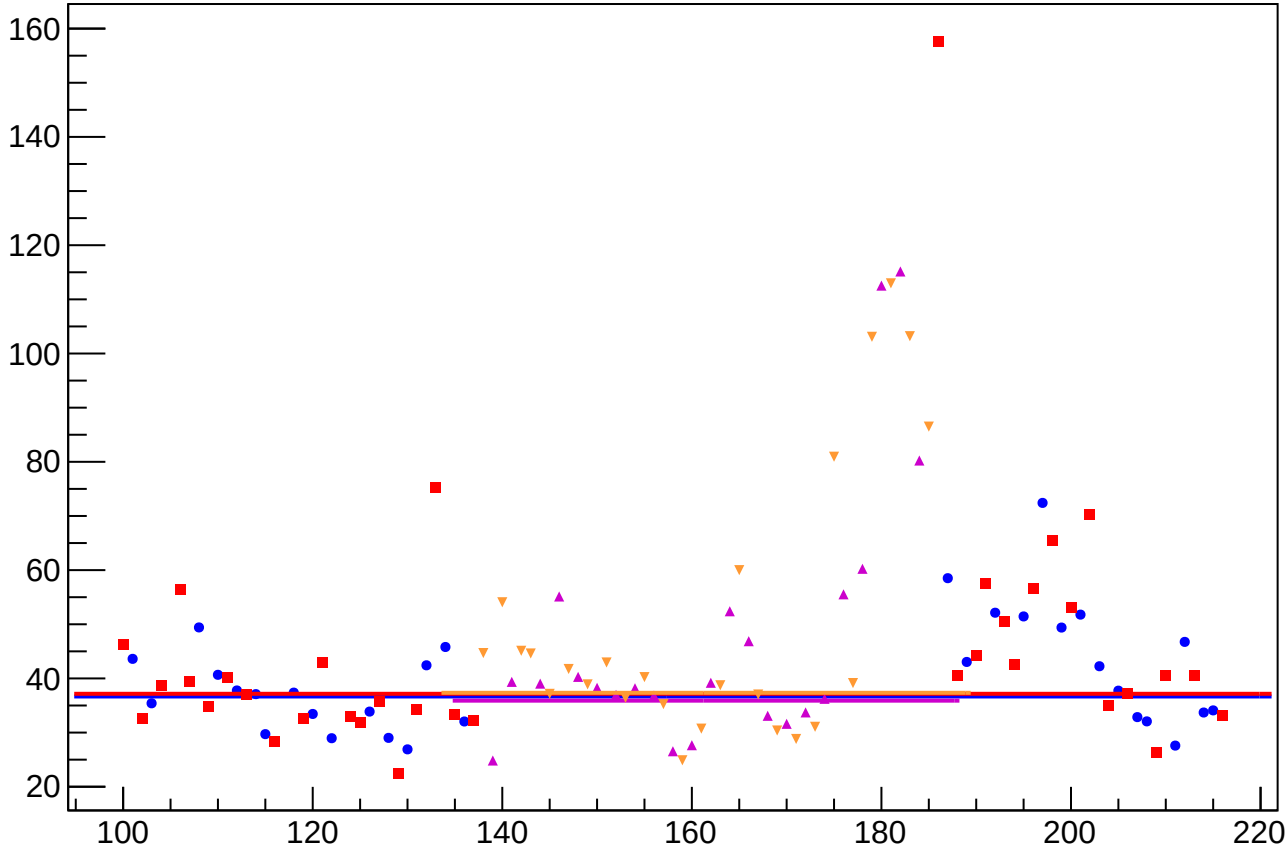
Right: 0.007+/-0.006 χ^2/NDF: 137.1/65

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.011+/-0.006 χ^2/NDF:132.9/59

All: 0.005+/-0.005 χ^2/NDF: 200.0/113

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: 37.162+/-0.006 χ^2/NDF: 2643393.7/34

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

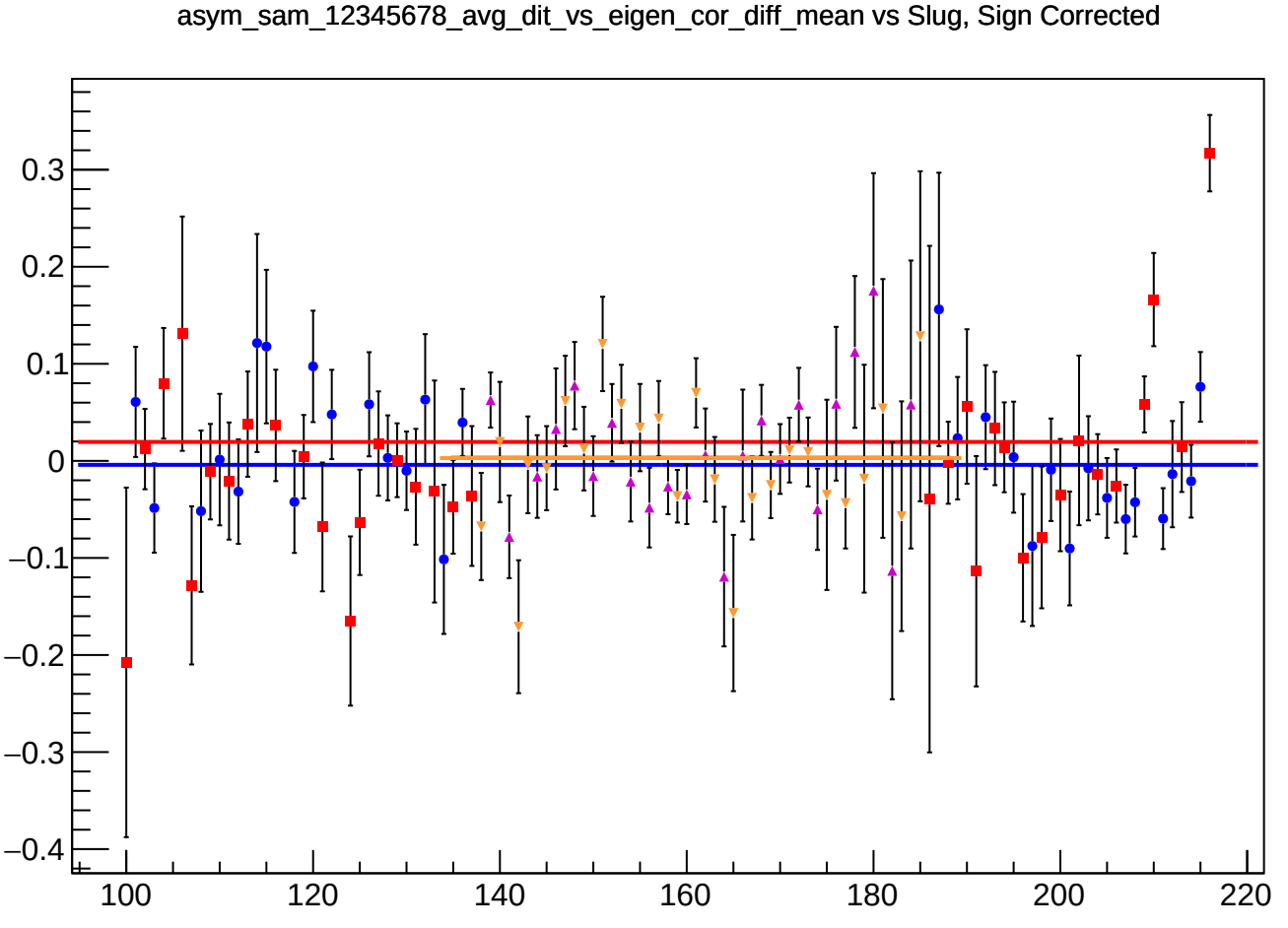
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 36.909+/-0.004 χ^2/NDF: 4404808.3/65

In: 36.294+/-0.005 χ^2/NDF:4903962.5/53

Out: 37.251+/-0.005 χ^2/NDF:6340435.8/59

All: 36.765+/-0.003 χ^2/NDF: 11266601.8/113



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: 0.020+/-0.009 χ^2/NDF: 98.3/34

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

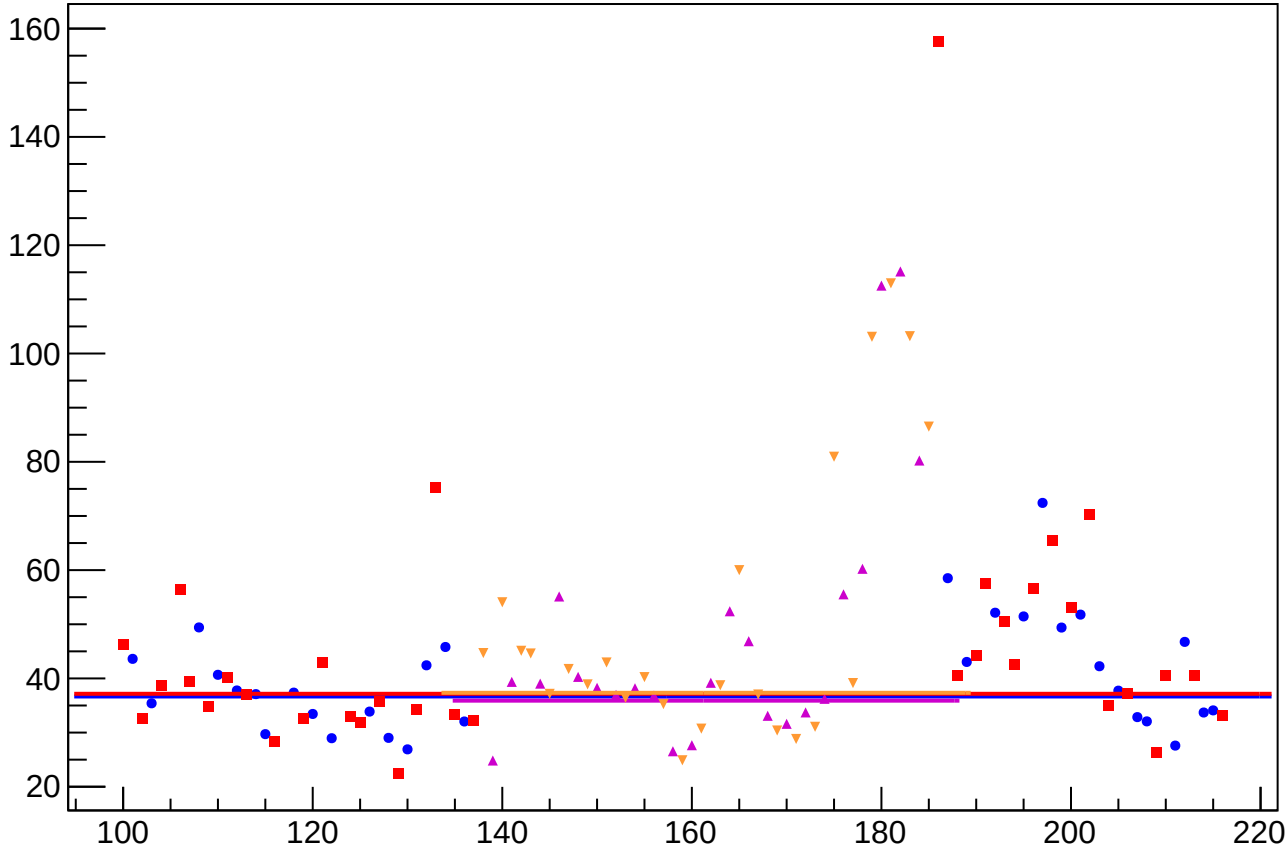
Right: 0.007+/-0.006 χ^2/NDF: 137.1/65

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.011+/-0.006 χ^2/NDF:132.9/59

All: 0.005+/-0.005 χ^2/NDF: 200.0/113

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: 37.162+/-0.006 χ^2/NDF: 2643393.7/34

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

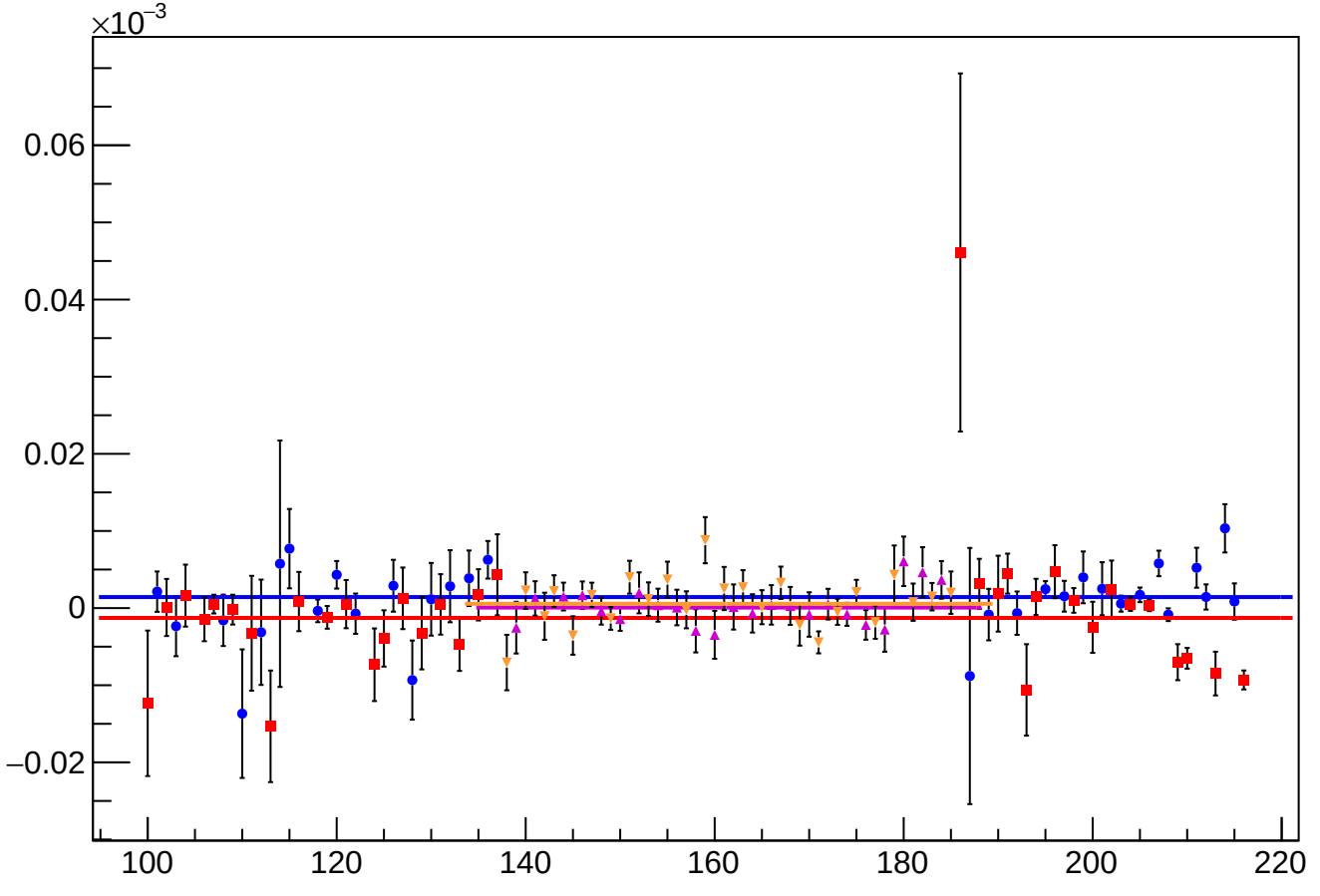
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 36.909+/-0.004 χ^2/NDF: 4404808.3/65

In: 36.294+/-0.005 χ^2/NDF:4903962.5/53

Out: 37.251+/-0.005 χ^2/NDF:6340435.8/59

All: 36.765+/-0.003 χ^2/NDF: 11266601.8/113



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: 115.7/34

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

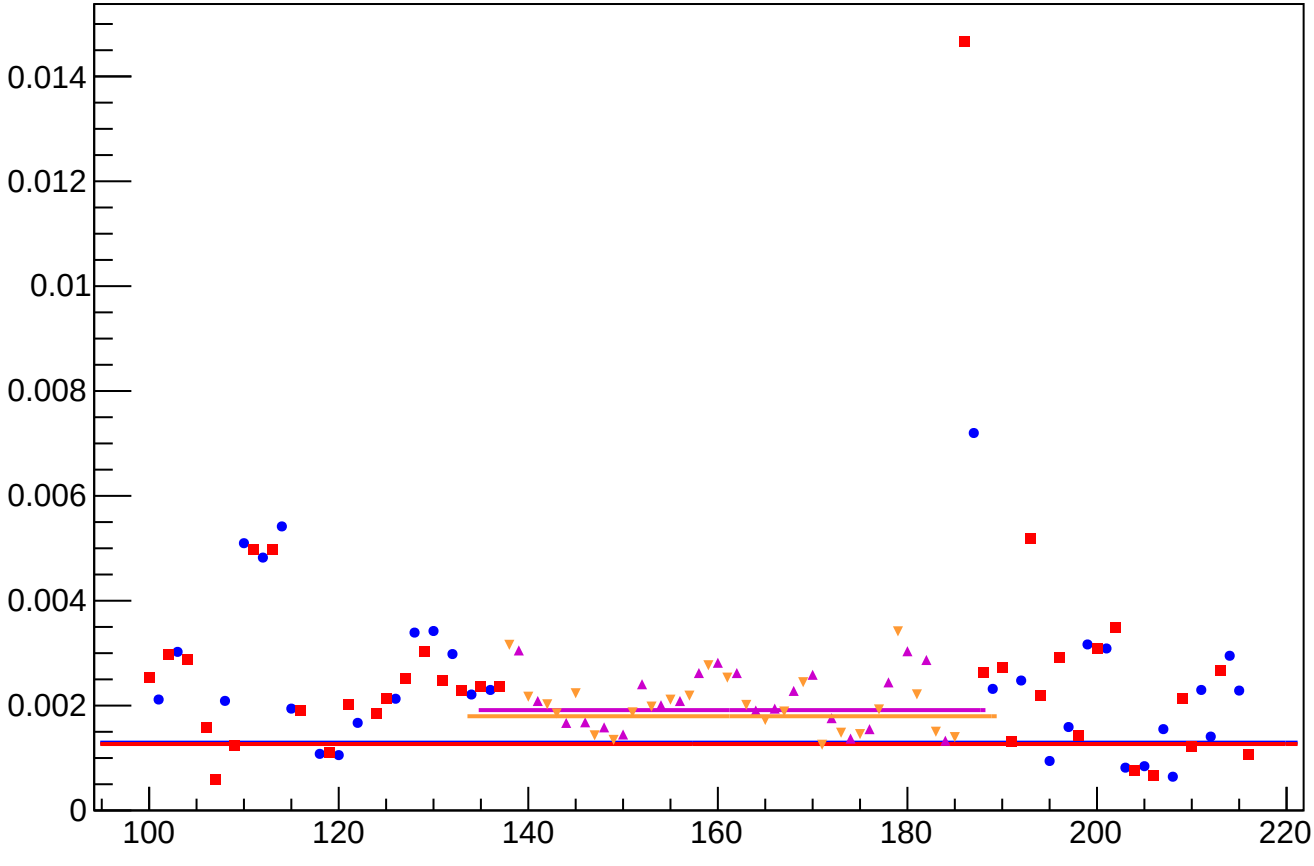
Right: 0.000+/-0.000 χ^2/NDF: 195.0/65

In: 0.000+/-0.000 χ^2/NDF:72.1/53

Out: -0.000+/-0.000 χ^2/NDF:170.3/59

All: 0.000+/-0.000 χ^2/NDF: 256.6/113

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: 10941017.9/34

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

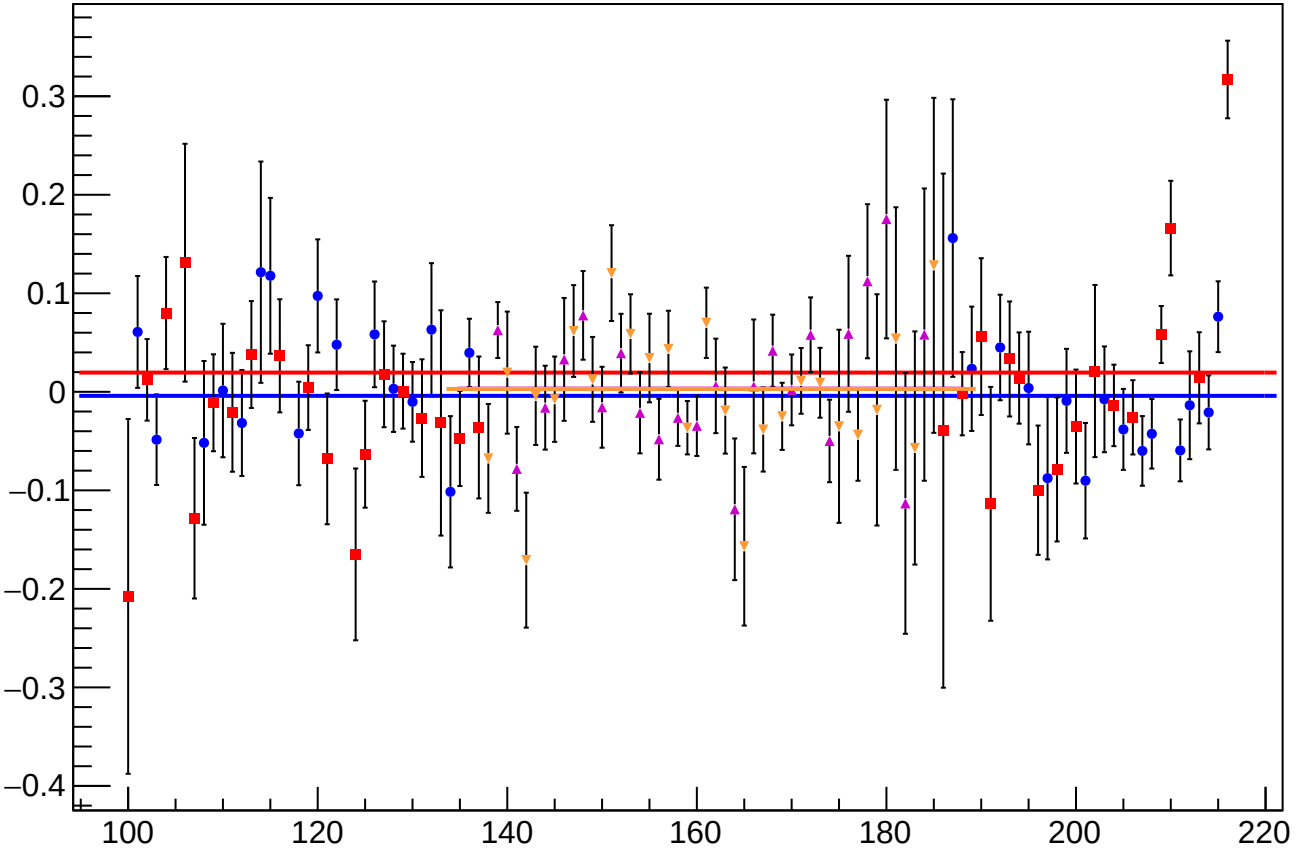
Right: 0.001+/-0.000 χ^2/NDF: 20111849.9/65

In: 0.002+/-0.000 χ^2/NDF:13593820.6/53

Out: 0.001+/-0.000 χ^2/NDF:15081129.3/59

All: 0.001+/-0.000 χ^2/NDF: 28695088.7/113

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: 0.020+/-0.009 χ^2/NDF: 98.3/34

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

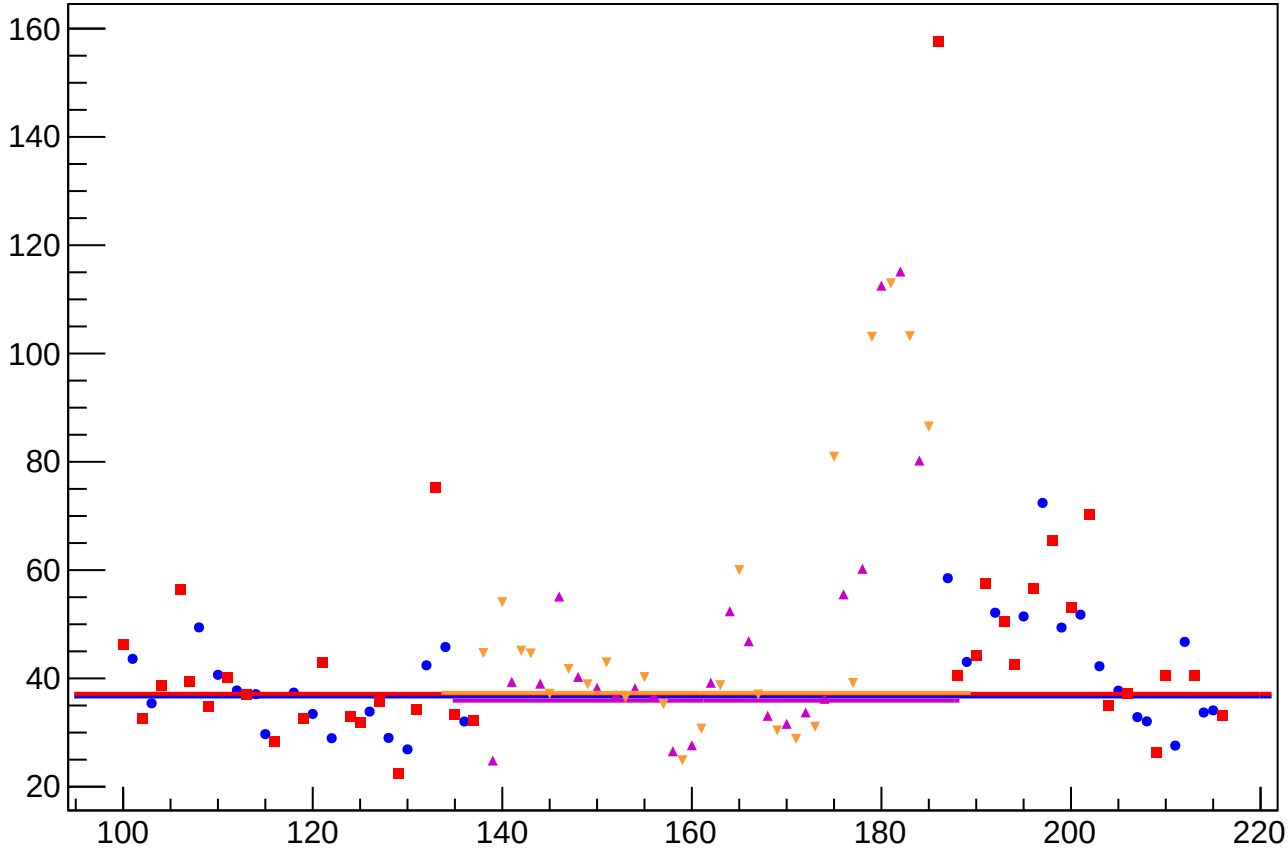
Right: 0.007+/-0.006 χ^2/NDF: 137.0/65

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.011+/-0.006 χ^2/NDF:132.9/59

All: 0.005+/-0.005 χ^2/NDF: 200.0/113

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: 37.162+/-0.006 χ^2/NDF: 2643476.2/34

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

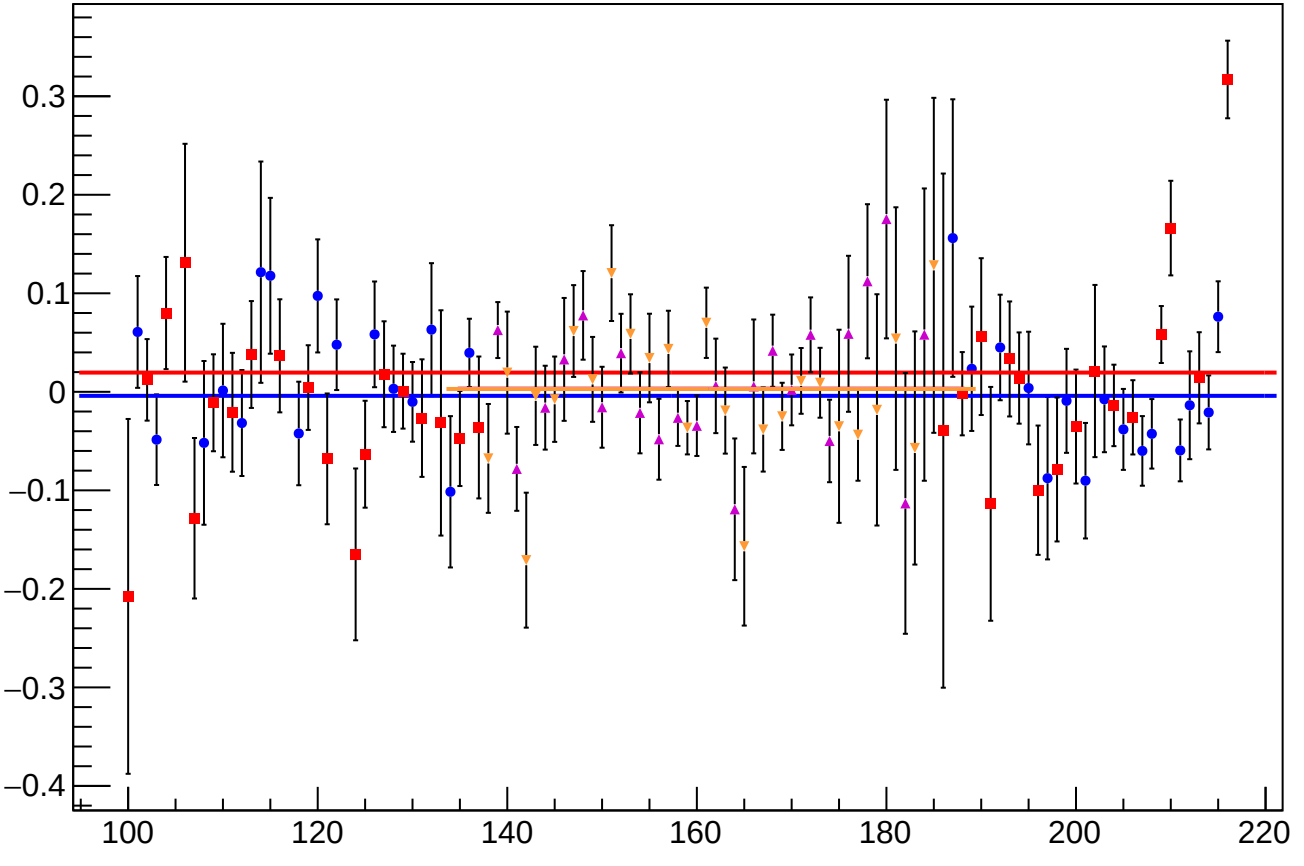
Right: 36.909+/-0.004 χ^2/NDF: 4404932.0/65

In: 36.294+/-0.005 χ^2/NDF:4904005.5/53

Out: 37.251+/-0.005 χ^2/NDF:6340570.9/59

All: 36.765+/-0.003 χ^2/NDF: 11266778.7/113

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: 0.020+/-0.009 χ^2/NDF: 98.3/34

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

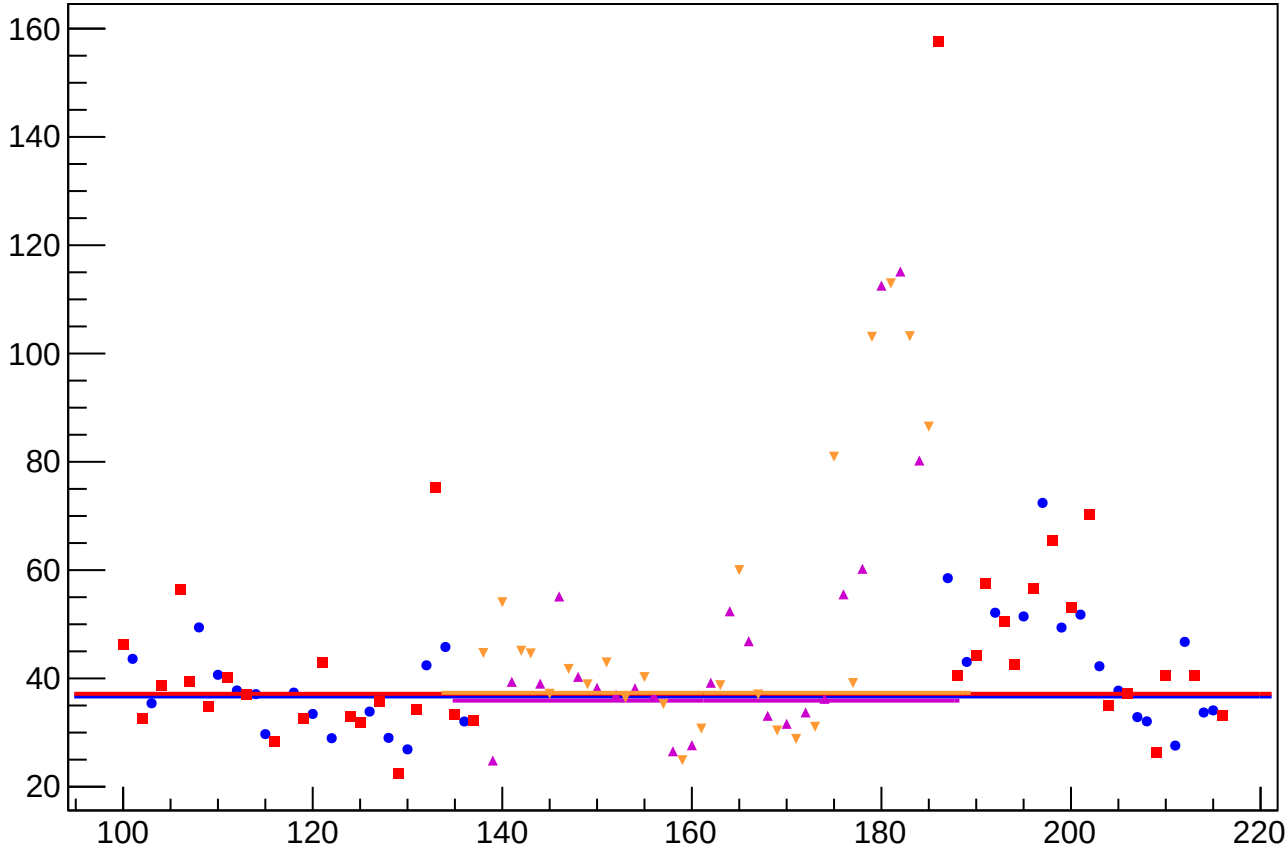
Right: 0.007+/-0.006 χ^2/NDF: 137.0/65

In: -0.001+/-0.006 χ^2/NDF:65.4/53

Out: 0.011+/-0.006 χ^2/NDF:132.9/59

All: 0.005+/-0.005 χ^2/NDF: 200.0/113

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: 37.162+/-0.006 χ^2/NDF: 2643476.2/34

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

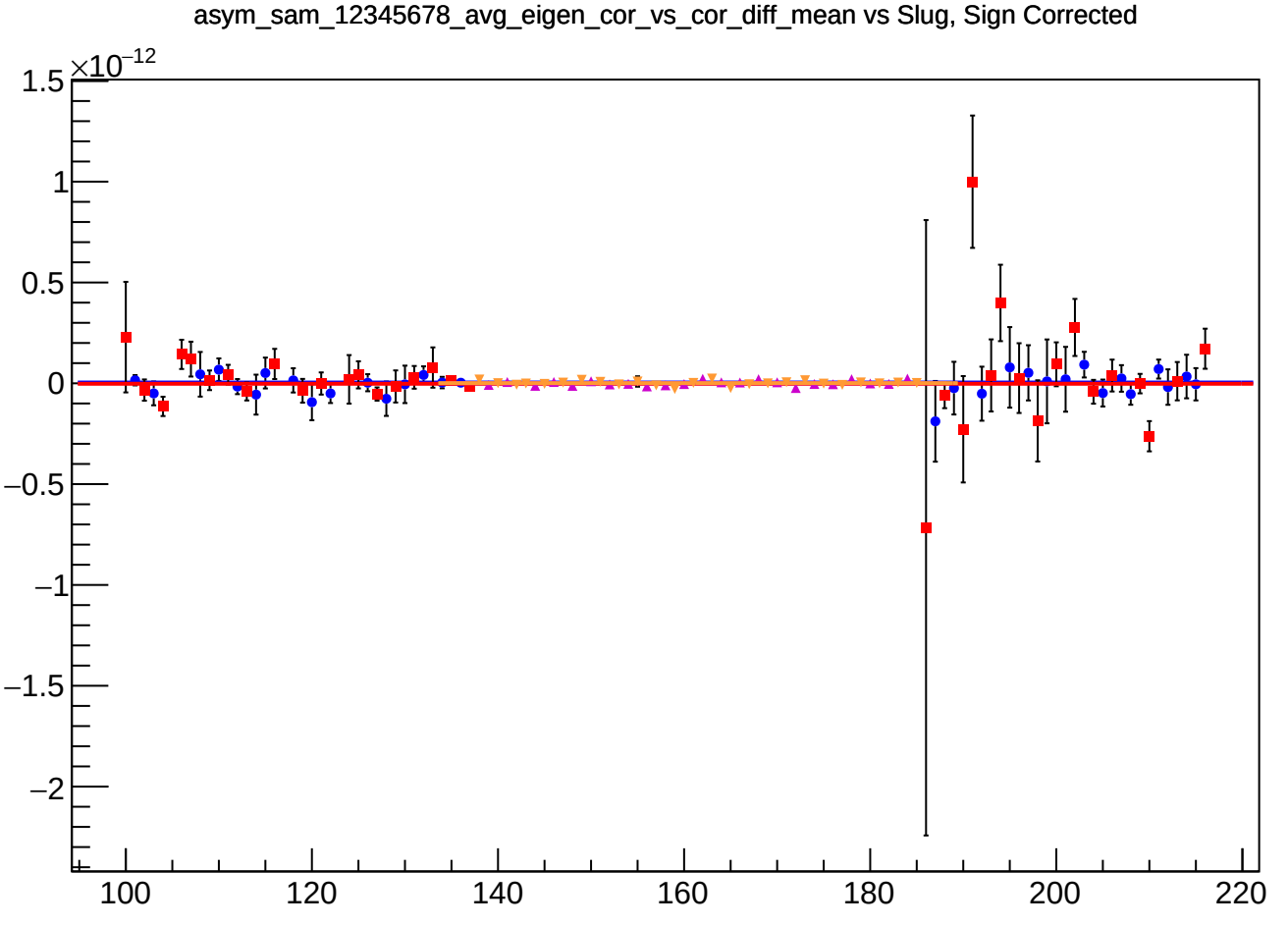
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 36.909+/-0.004 χ^2/NDF: 4404932.0/65

In: 36.294+/-0.005 χ^2/NDF:4904005.5/53

Out: 37.251+/-0.005 χ^2/NDF:6340570.9/59

All: 36.765+/-0.003 χ^2/NDF: 11266778.7/113



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: 58.5/34

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

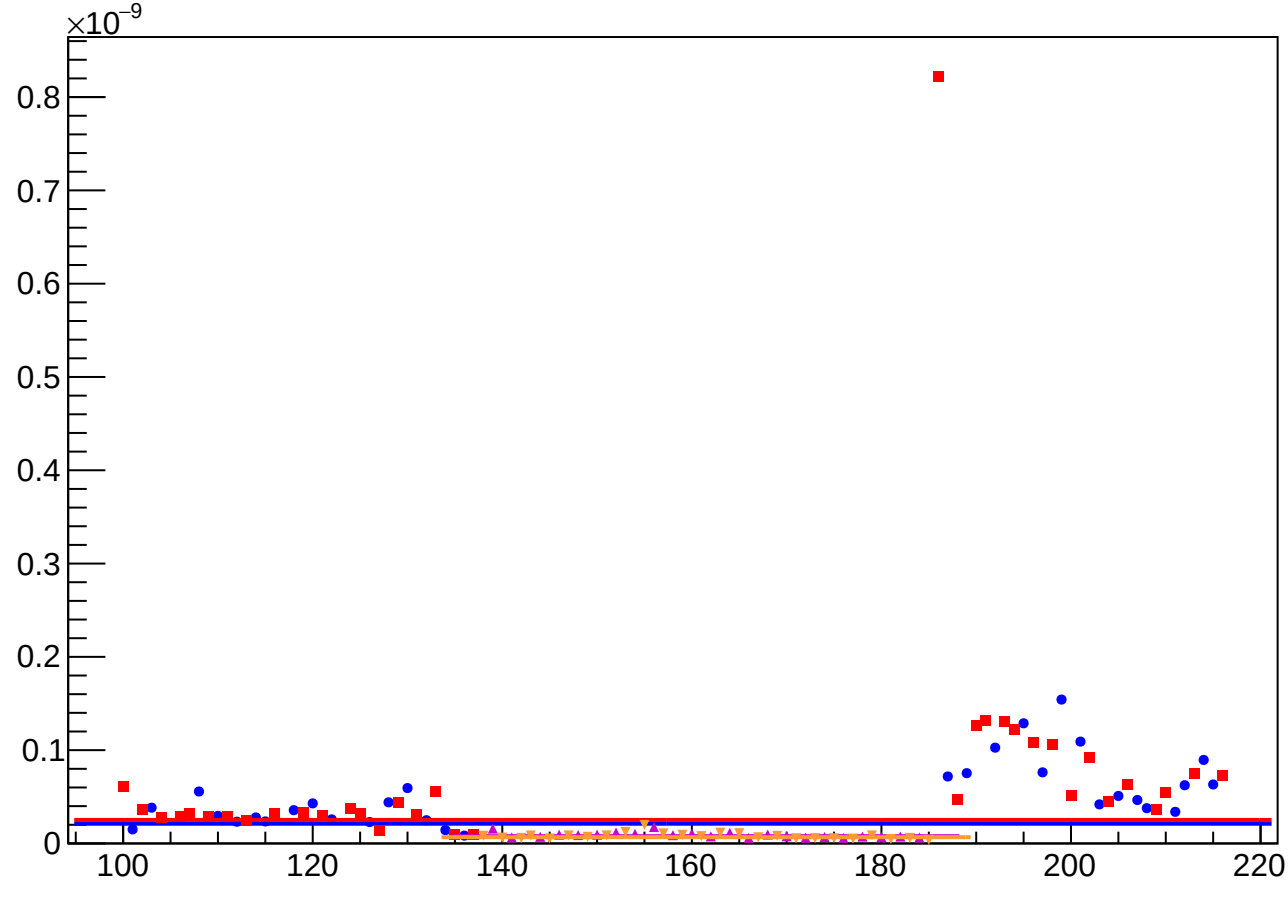
Right: 0.000+/-0.000 χ^2/NDF: 73.9/65

In: 0.000+/-0.000 χ^2/NDF:44.5/53

Out: 0.000+/-0.000 χ^2/NDF:80.0/59

All: 0.000+/-0.000 χ^2/NDF: 124.5/113

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: 9077630.4/34

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

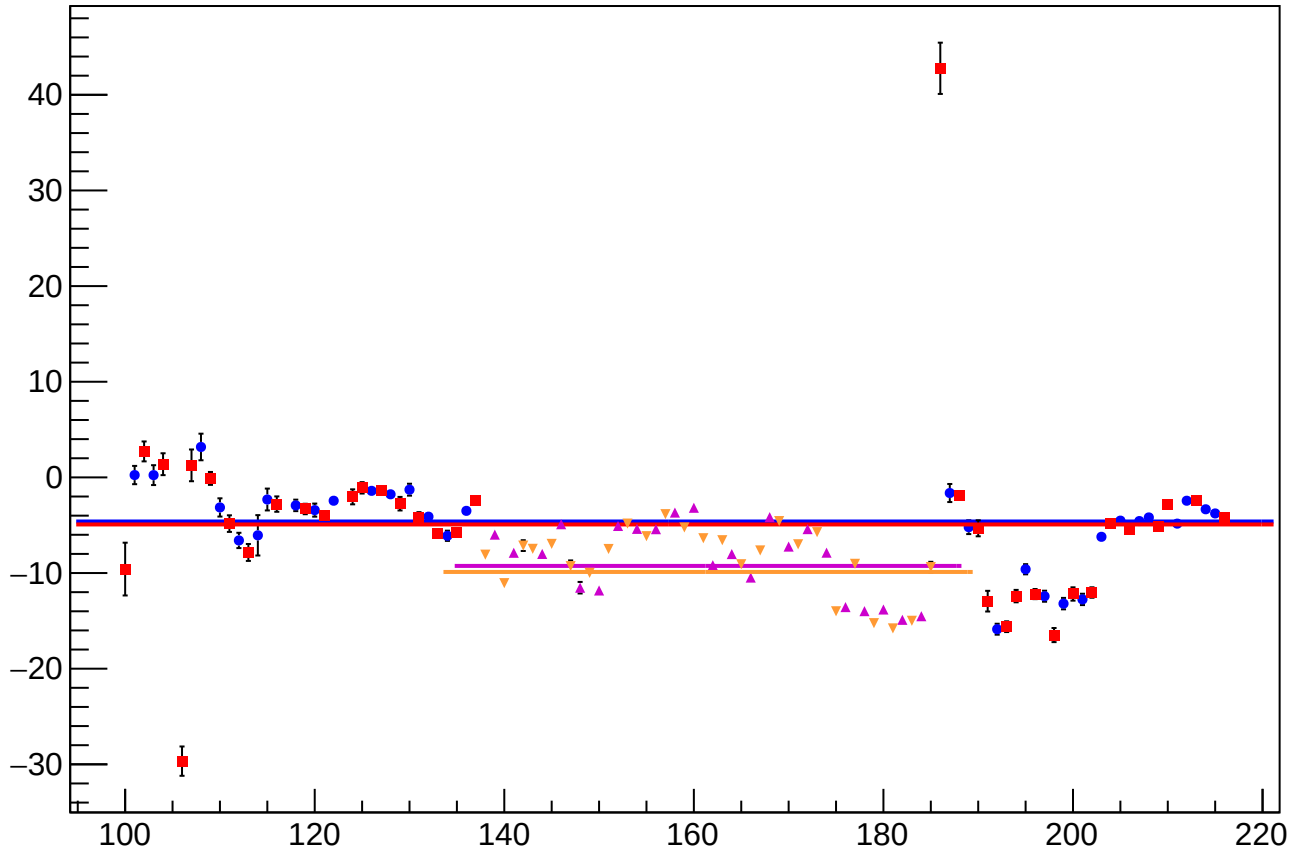
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 19403467.8/65

In: 0.000+/-0.000 χ^2/NDF:16776688.3/53

Out: 0.000+/-0.000 χ^2/NDF:18731945.3/59

All: 0.000+/-0.000 χ^2/NDF: 35860294.1/113



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: -4.921+/-0.086 χ^2/NDF: 2390.3/34

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

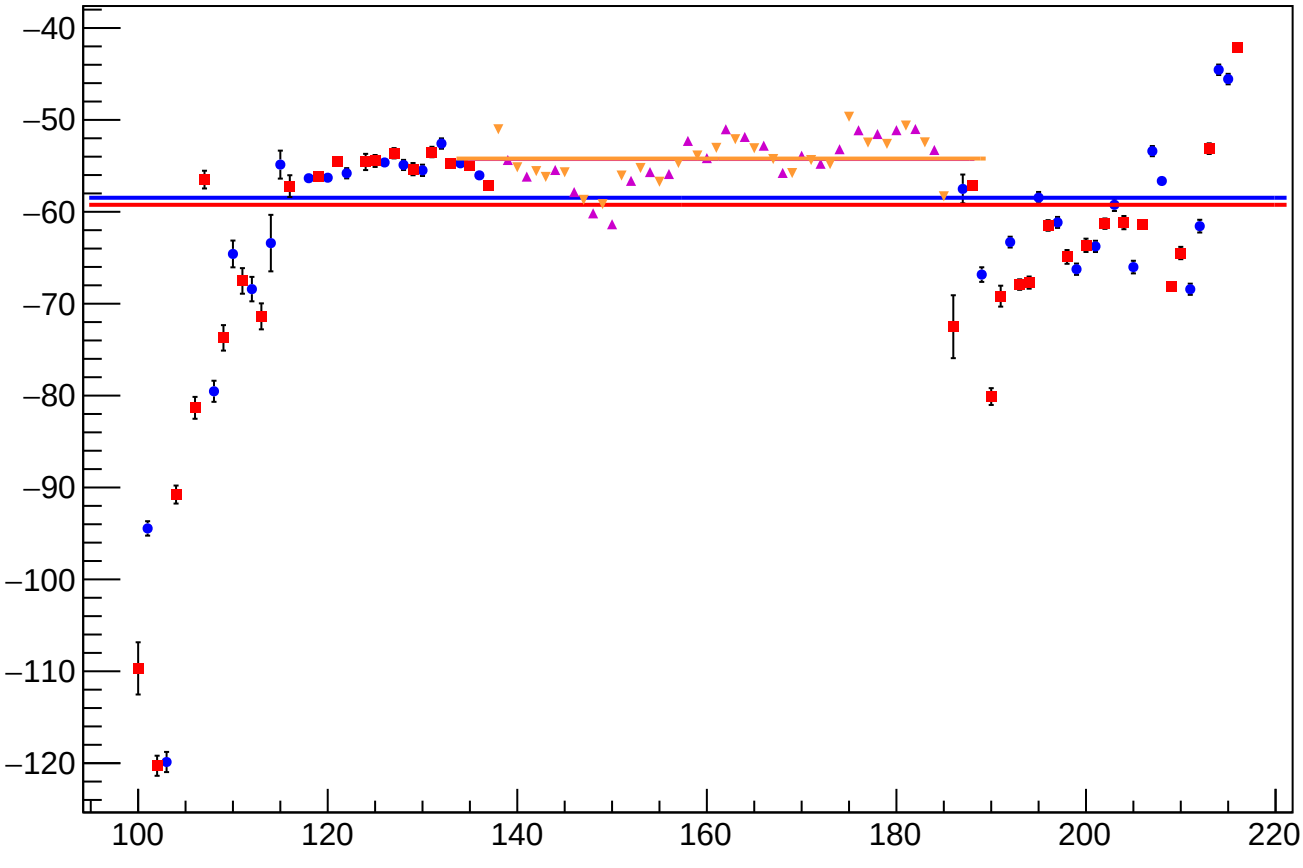
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.763+/-0.060 χ^2/NDF: 3795.4/65

In: -7.305+/-0.055 χ^2/NDF:6230.8/53

Out: -7.916+/-0.054 χ^2/NDF:7620.6/59

All: -7.614+/-0.038 χ^2/NDF: 13914.7/113



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: -59.239+/-0.104 χ^2/NDF: 8620.6/34

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

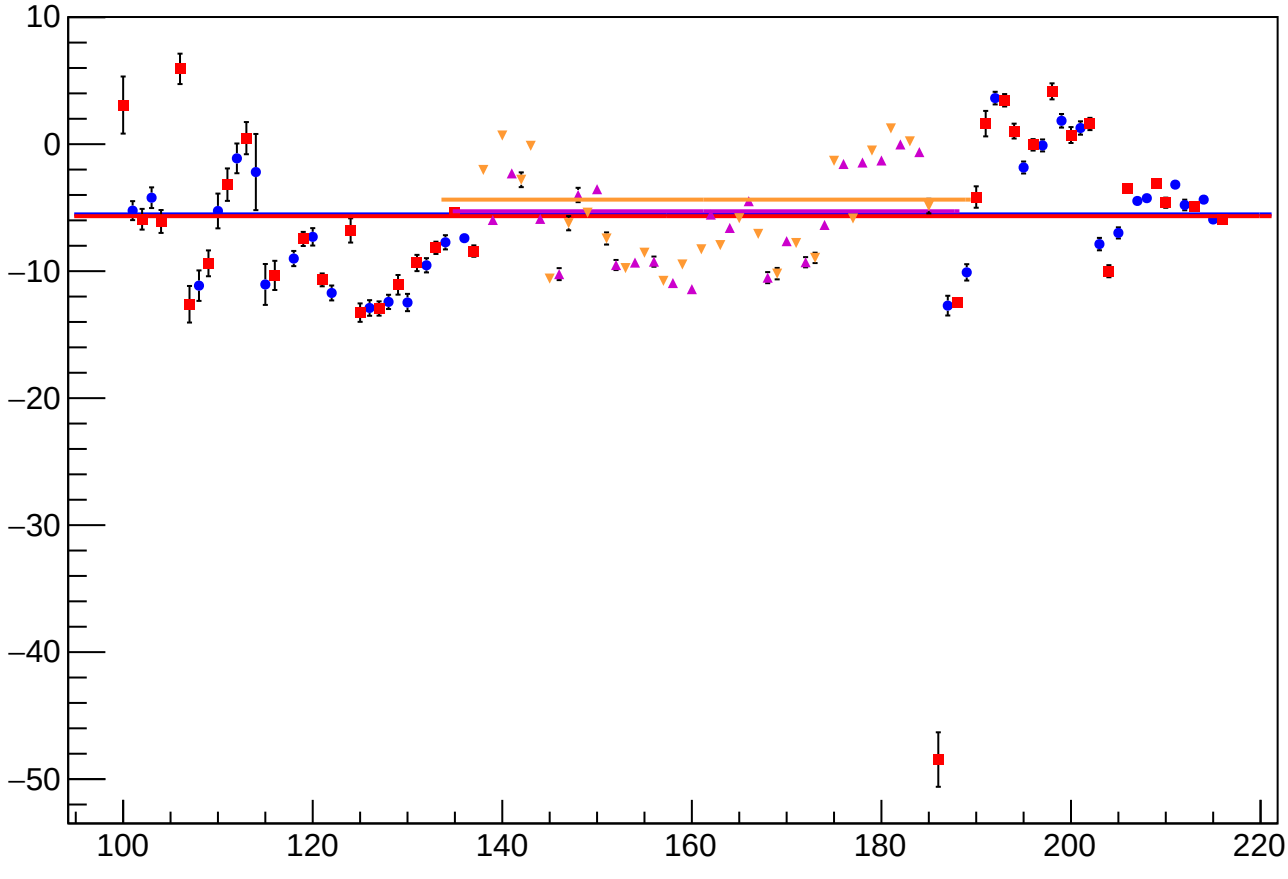
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -58.855+/-0.074 χ^2/NDF: 16825.6/65

In: -55.261+/-0.051 χ^2/NDF:11911.6/53

Out: -55.325+/-0.049 χ^2/NDF:12283.9/59

All: -55.294+/-0.035 χ^2/NDF: 24196.3/113



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: -5.670+/-0.087 χ^2/NDF: 3274.0/34

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

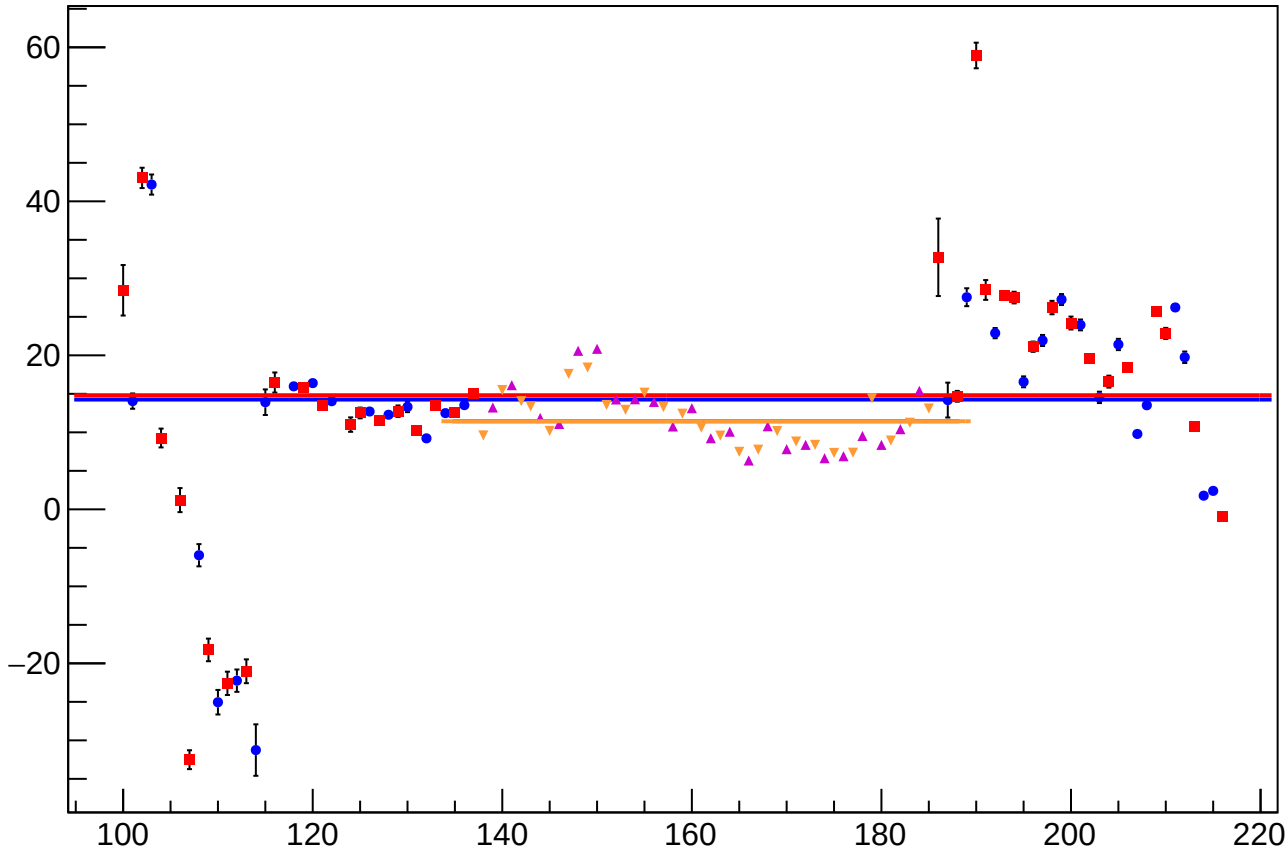
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.599+/-0.061 χ^2/NDF: 5167.4/65

In: -5.383+/-0.055 χ^2/NDF:4647.1/53

Out: -4.873+/-0.054 χ^2/NDF:7113.2/59

All: -5.125+/-0.039 χ^2/NDF: 11804.1/113



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: 14.818+/-0.118 χ^2/NDF: 7298.3/34

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

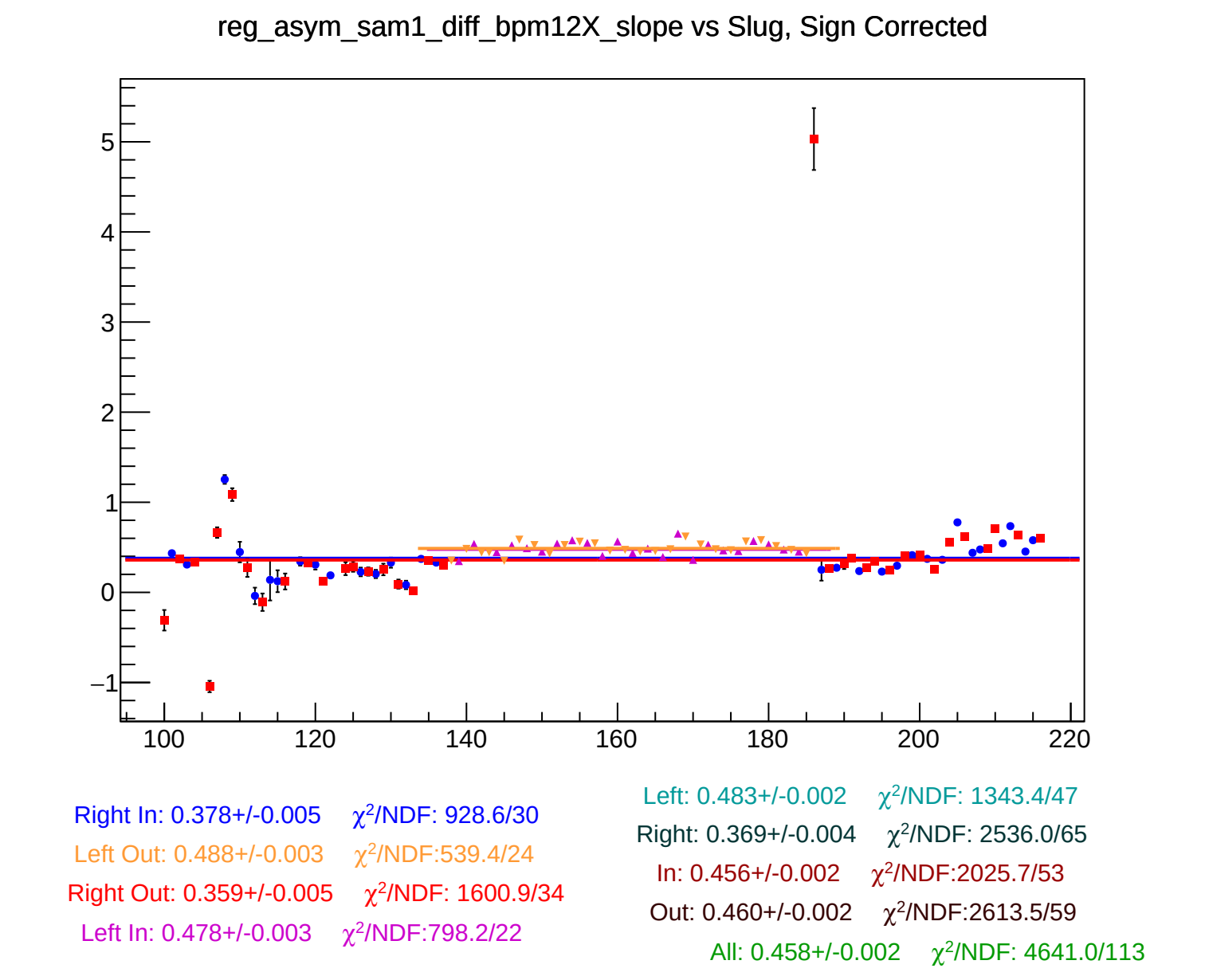
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

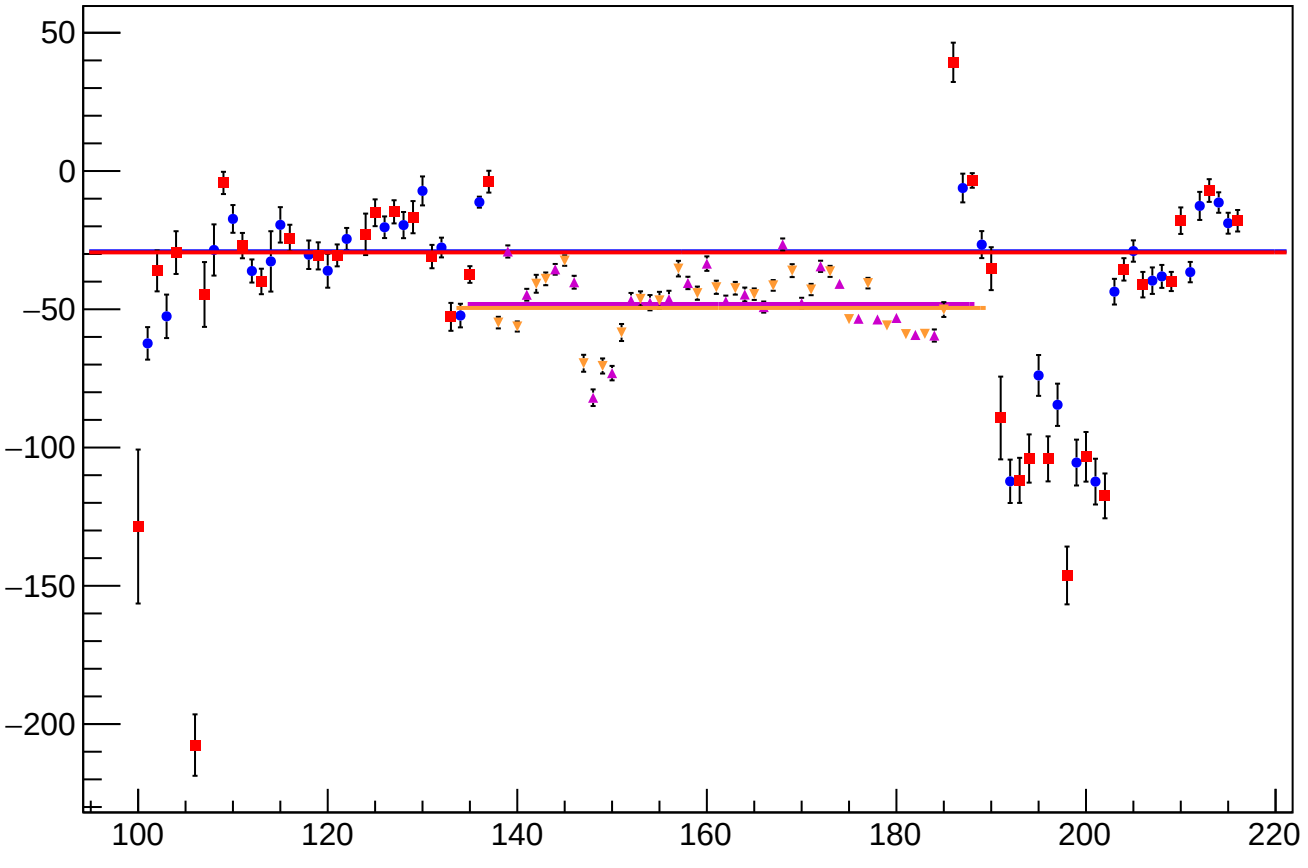
Right: 14.534+/-0.083 χ^2/NDF: 11864.2/65

In: 12.105+/-0.056 χ^2/NDF:8366.5/53

Out: 12.172+/-0.055 χ^2/NDF:10379.4/59

All: 12.139+/-0.039 χ^2/NDF: 18746.6/113


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: 0.359+/-0.005 χ²/NDF: 1600.9/34
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.369+/-0.004 χ²/NDF: 2536.0/65
In: 0.456+/-0.002 χ²/NDF:2025.7/53
Out: 0.460+/-0.002 χ²/NDF:2613.5/59
All: 0.458+/-0.002 χ²/NDF: 4641.0/113



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: -29.422+/-0.846 χ^2/NDF: 1254.4/34

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

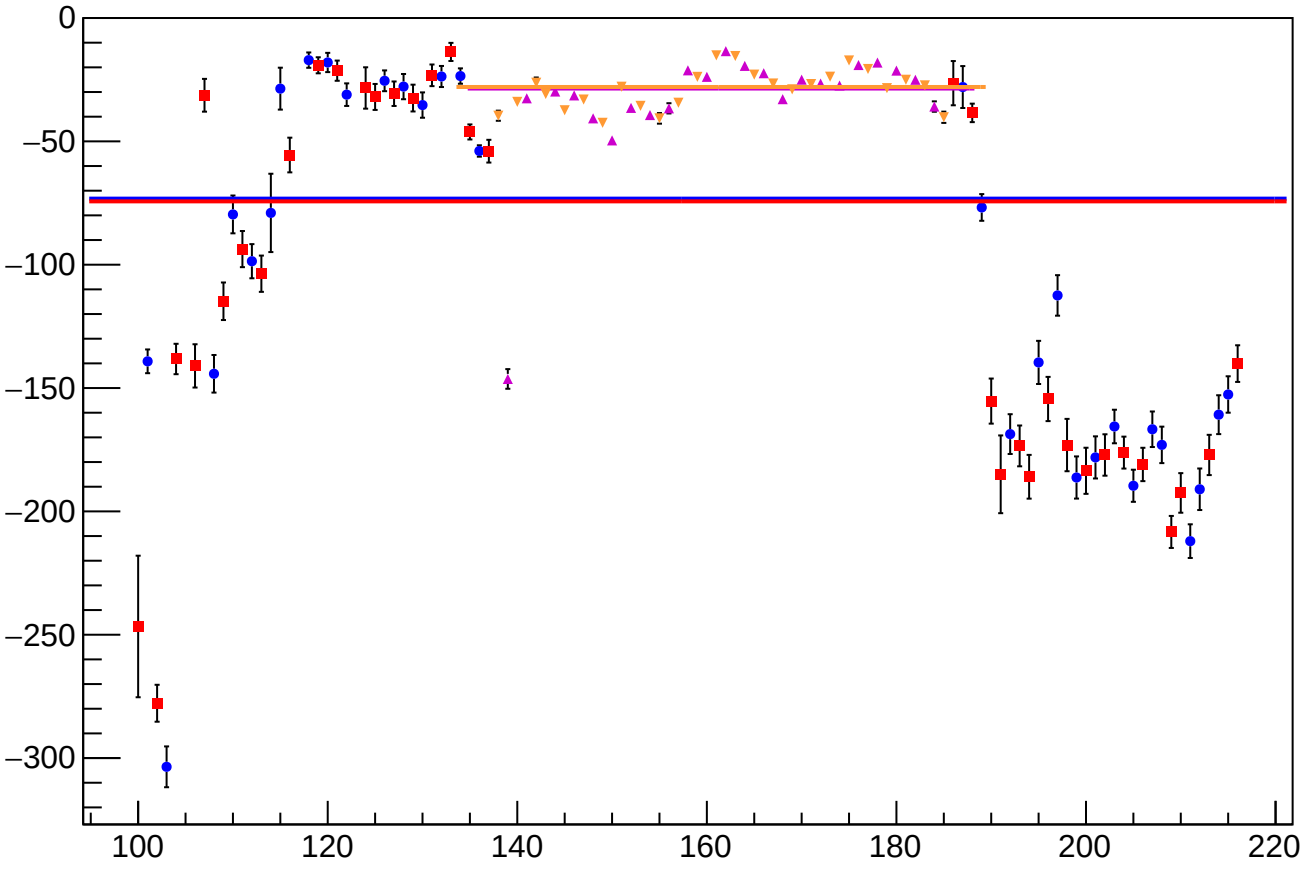
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -29.219+/-0.590 χ^2/NDF: 1917.3/65

In: -44.168+/-0.373 χ^2/NDF:1795.4/53

Out: -45.808+/-0.363 χ^2/NDF:2291.0/59

All: -45.009+/-0.260 χ^2/NDF: 4096.3/113



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: -74.326+/-0.996 χ^2/NDF: 4619.9/34

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

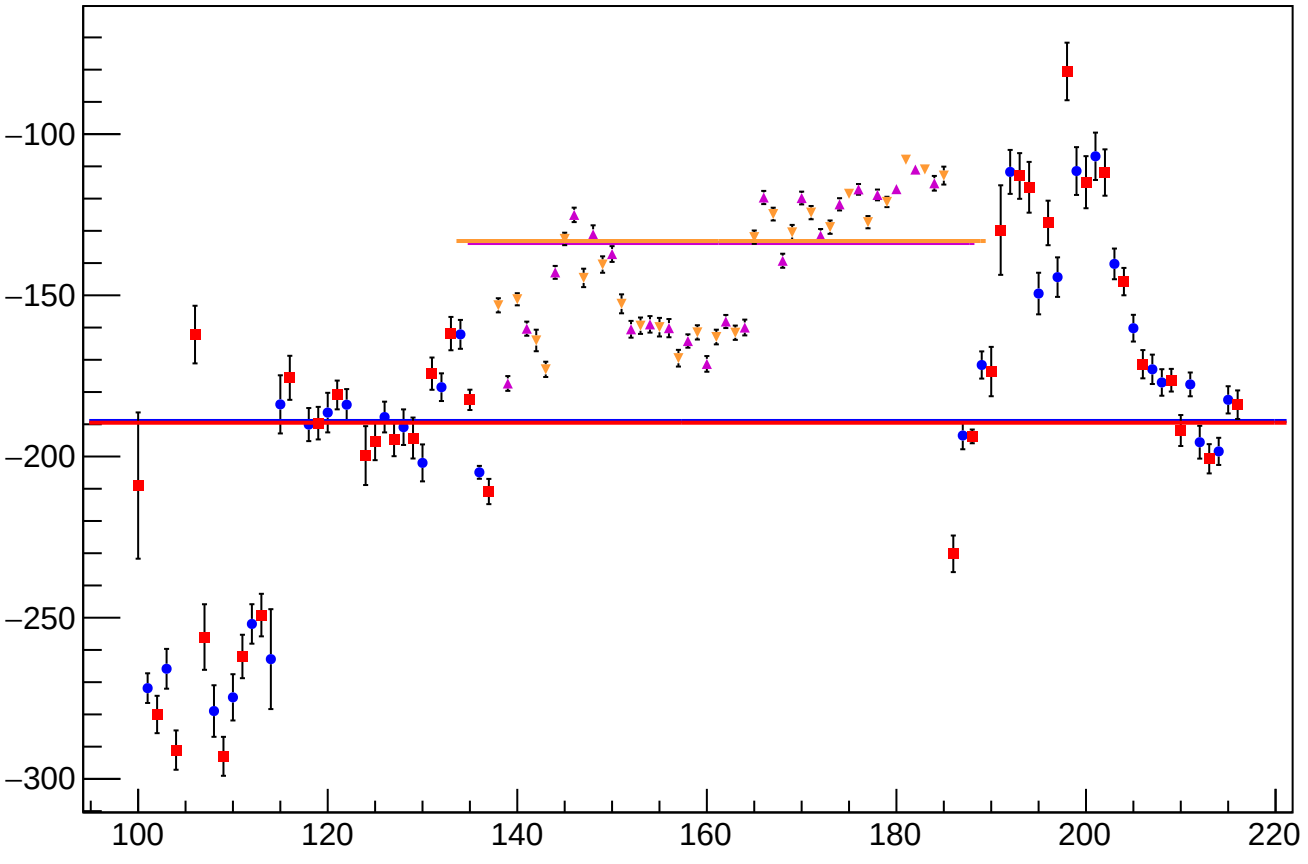
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -73.749+/-0.689 χ^2/NDF: 9322.4/65

In: -33.446+/-0.315 χ^2/NDF:8128.9/53

Out: -32.321+/-0.306 χ^2/NDF:7079.8/59

All: -32.867+/-0.219 χ^2/NDF: 15215.3/113



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: -189.523+/-0.870 χ^2/NDF: 2006.7/34

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

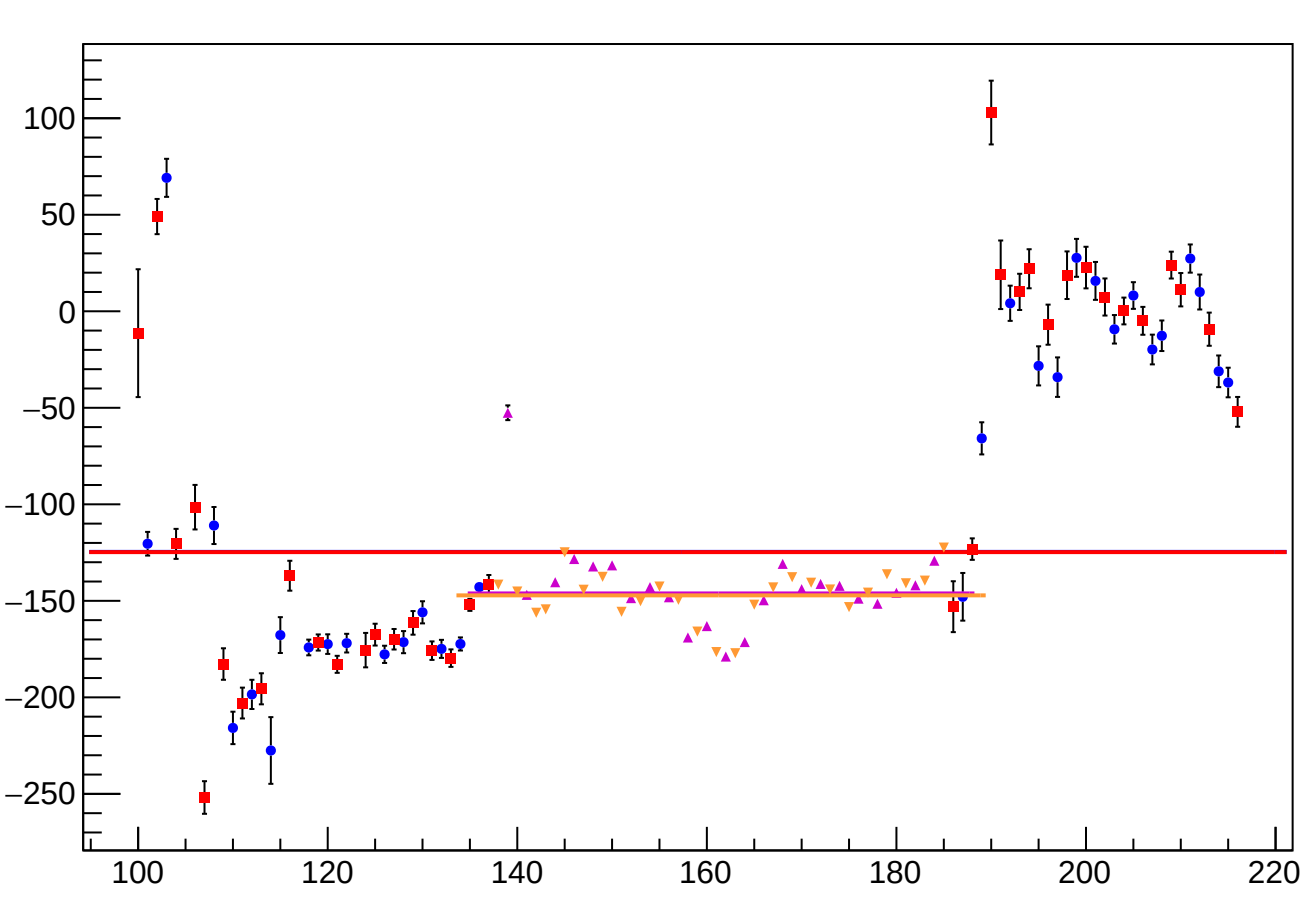
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -189.244+/-0.609 χ^2/NDF: 3659.6/65

In: -144.422+/-0.375 χ^2/NDF:7473.0/53

Out: -143.103+/-0.366 χ^2/NDF:7991.4/59

All: -143.747+/-0.262 χ^2/NDF: 15470.8/113



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: -124.760+/-1.135 χ^2/NDF: 4570.2/34

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

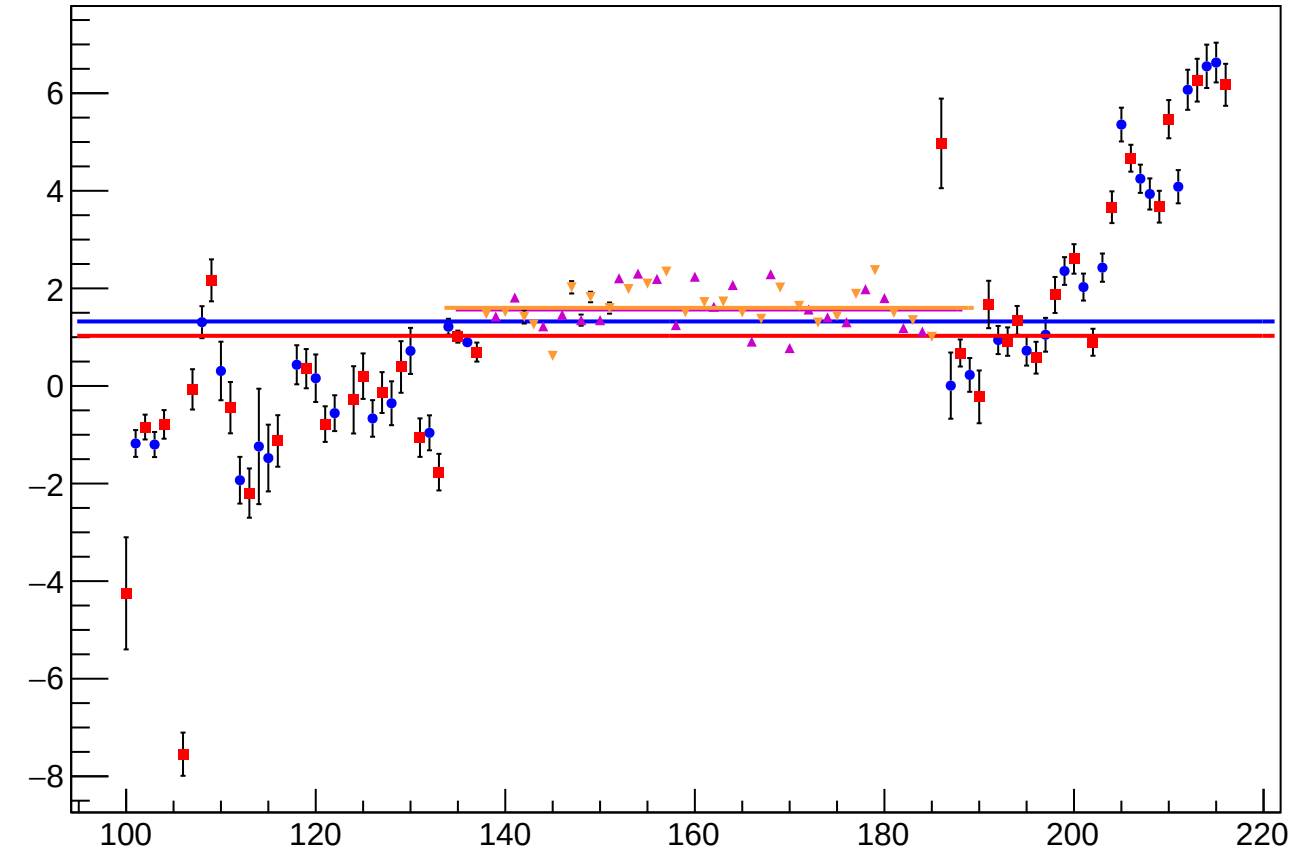
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -124.699+/-0.779 χ^2/NDF: 8954.3/65

In: -143.867+/-0.350 χ^2/NDF:6539.5/53

Out: -145.139+/-0.342 χ^2/NDF:6170.1/59

All: -144.519+/-0.244 χ^2/NDF: 12716.4/113



Right In: 1.322+/-0.052 χ^2/NDF: 1257.6/30

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 1.028+/-0.055 χ^2/NDF: 1481.1/34

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

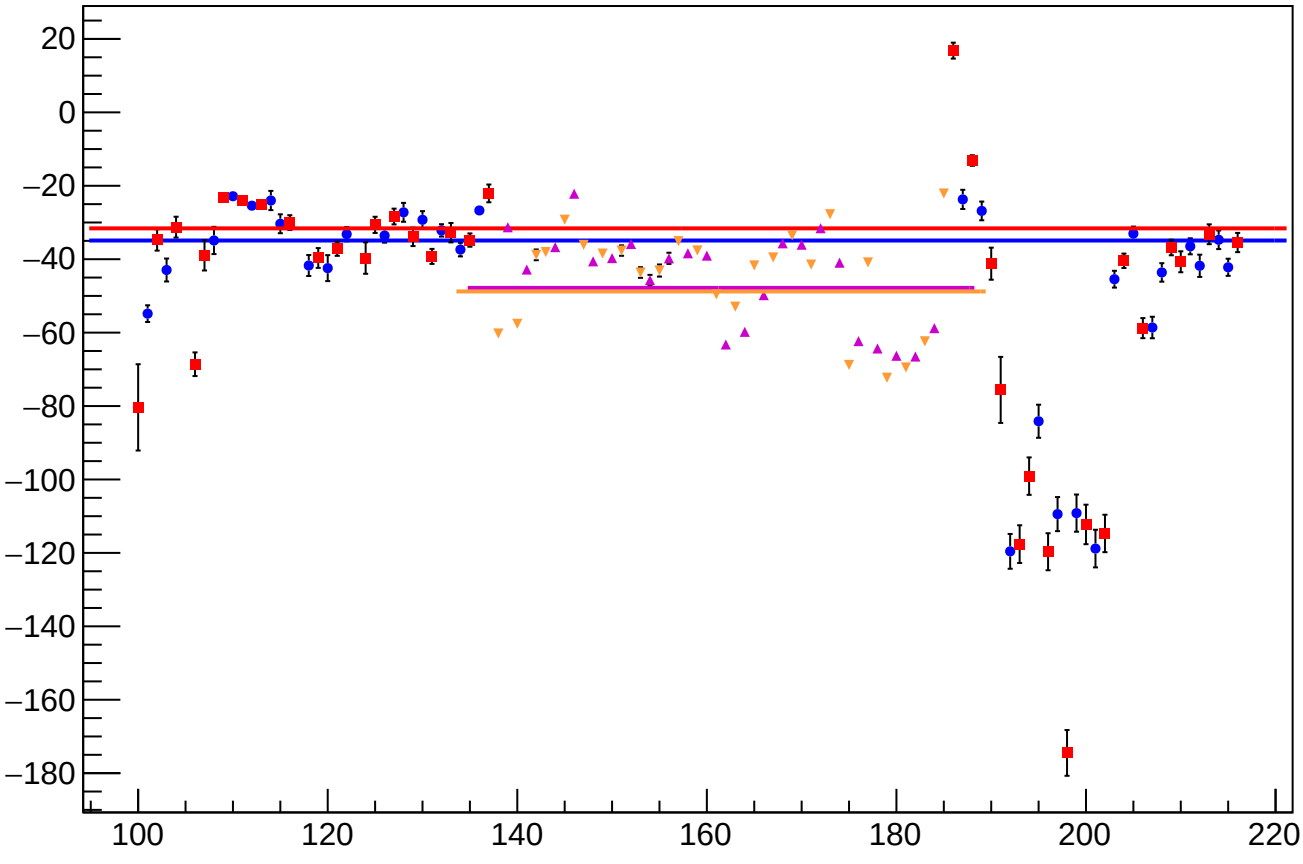
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 1.185+/-0.038 χ^2/NDF: 2753.7/65

In: 1.545+/-0.016 χ^2/NDF:2013.1/53

Out: 1.557+/-0.015 χ^2/NDF:2161.9/59

All: 1.551+/-0.011 χ^2/NDF: 4175.3/113



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: -31.599+/-0.380 χ^2/NDF: 2955.8/34

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

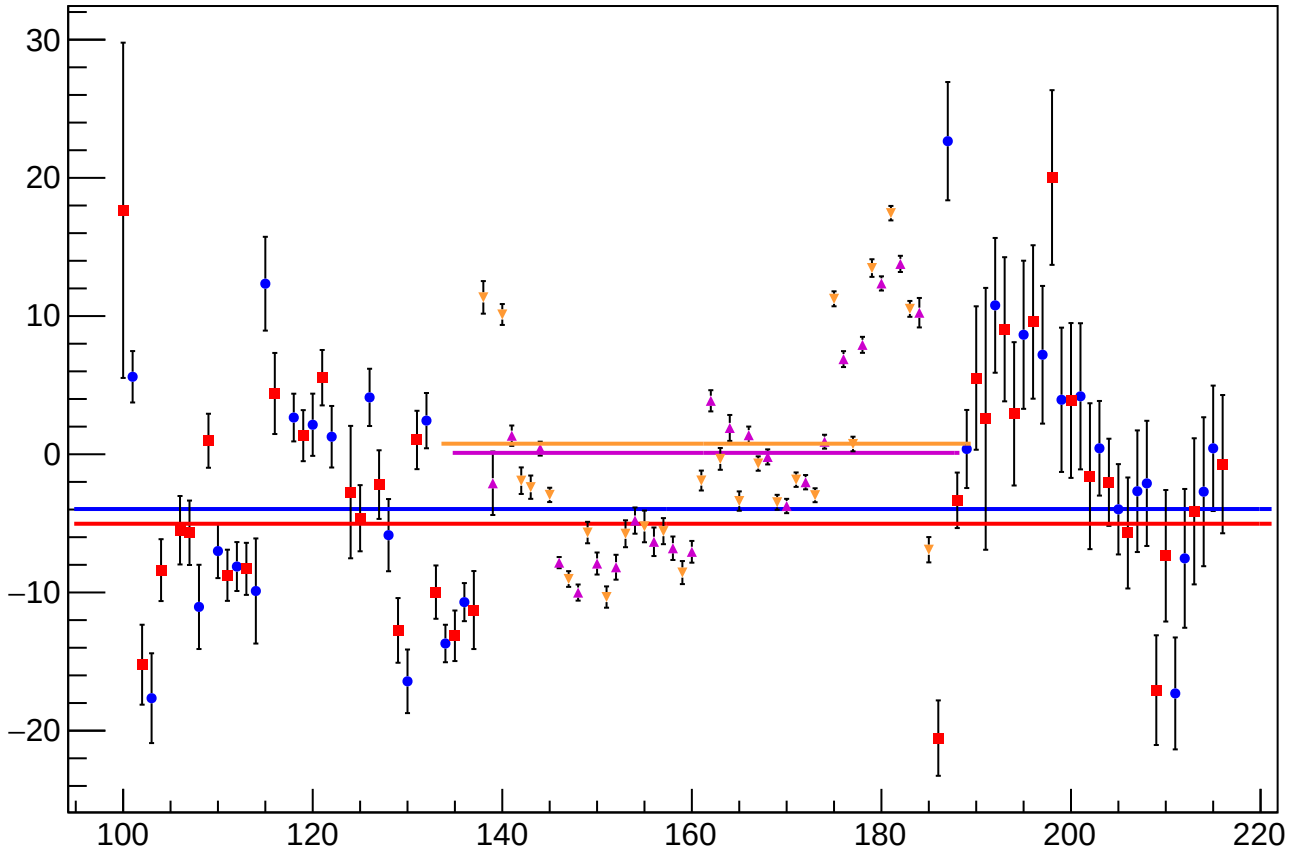
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

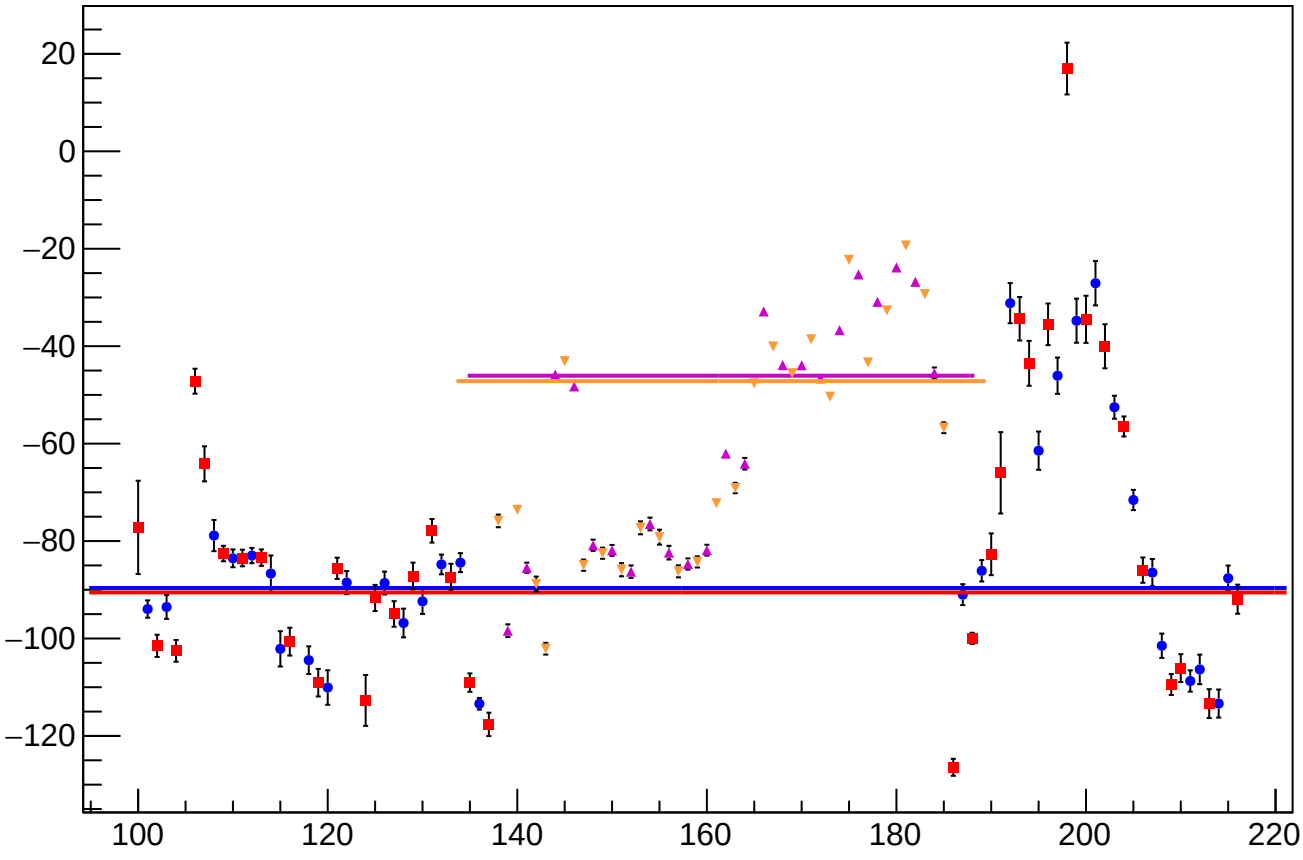
Right: -33.200+/-0.273 χ^2/NDF: 4664.0/65

In: -45.784+/-0.156 χ^2/NDF:9805.3/53

Out: -46.008+/-0.153 χ^2/NDF:13624.2/59

All: -45.899+/-0.109 χ^2/NDF: 23430.6/113


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: -5.027+/-0.465 χ²/NDF: 220.8/34
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.491+/-0.328 χ²/NDF: 544.4/65
In: -0.209+/-0.128 χ²/NDF:3114.2/53
Out: 0.332+/-0.127 χ²/NDF:3831.5/59
All: 0.062+/-0.090 χ²/NDF: 6954.7/113



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: -90.549+/-0.417 χ^2/NDF: 2833.4/34

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

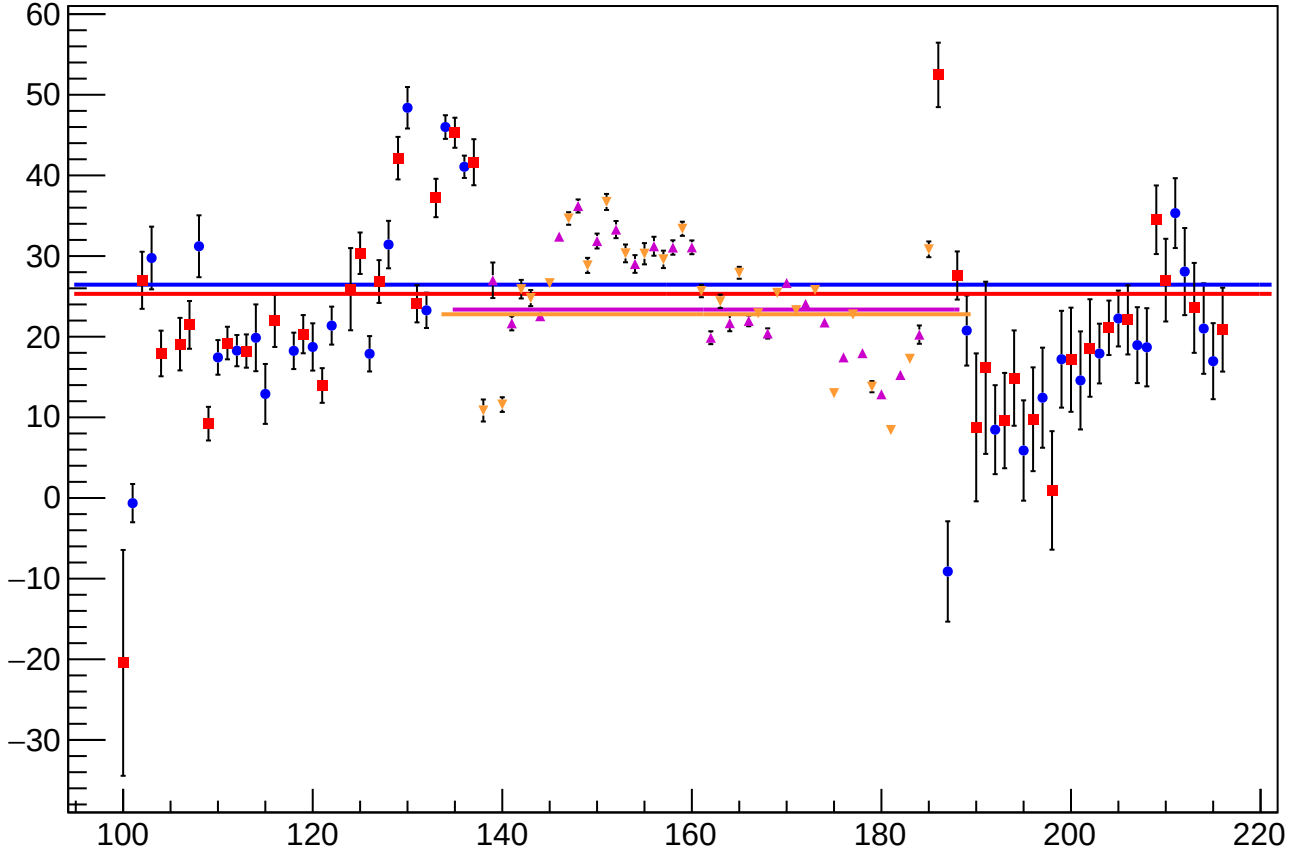
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -90.103+/-0.298 χ^2/NDF: 4621.7/65

In: -52.017+/-0.158 χ^2/NDF:25522.7/53

Out: -53.209+/-0.155 χ^2/NDF:29829.5/59

All: -52.623+/-0.111 χ^2/NDF: 55381.2/113



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: 25.313+/-0.533 χ^2/NDF: 443.0/34

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

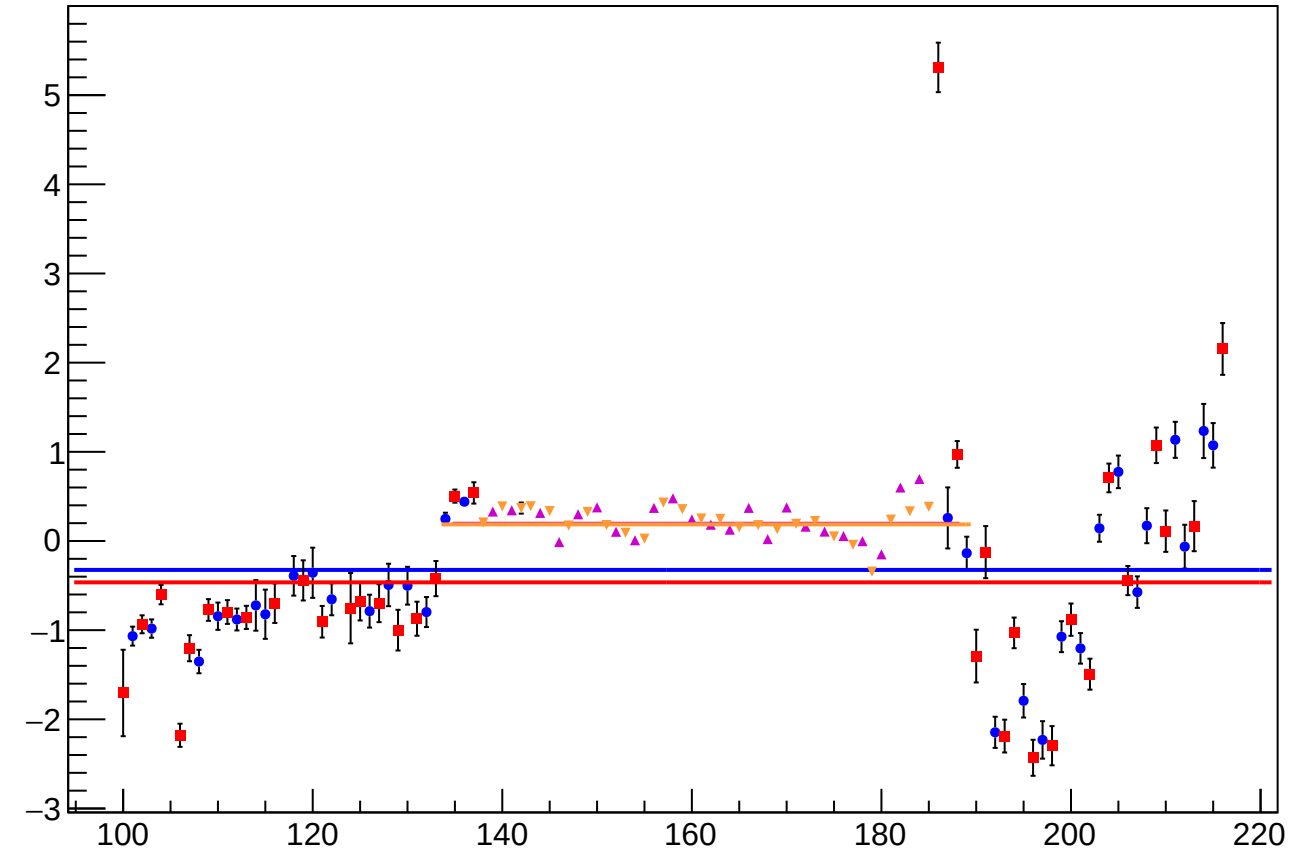
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.898+/-0.372 χ^2/NDF: 1124.9/65

In: 23.600+/-0.143 χ^2/NDF:2497.6/53

Out: 22.962+/-0.142 χ^2/NDF:2876.9/59

All: 23.279+/-0.101 χ^2/NDF: 5384.6/113



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: -0.464+/-0.027 χ^2/NDF: 1557.1/34

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

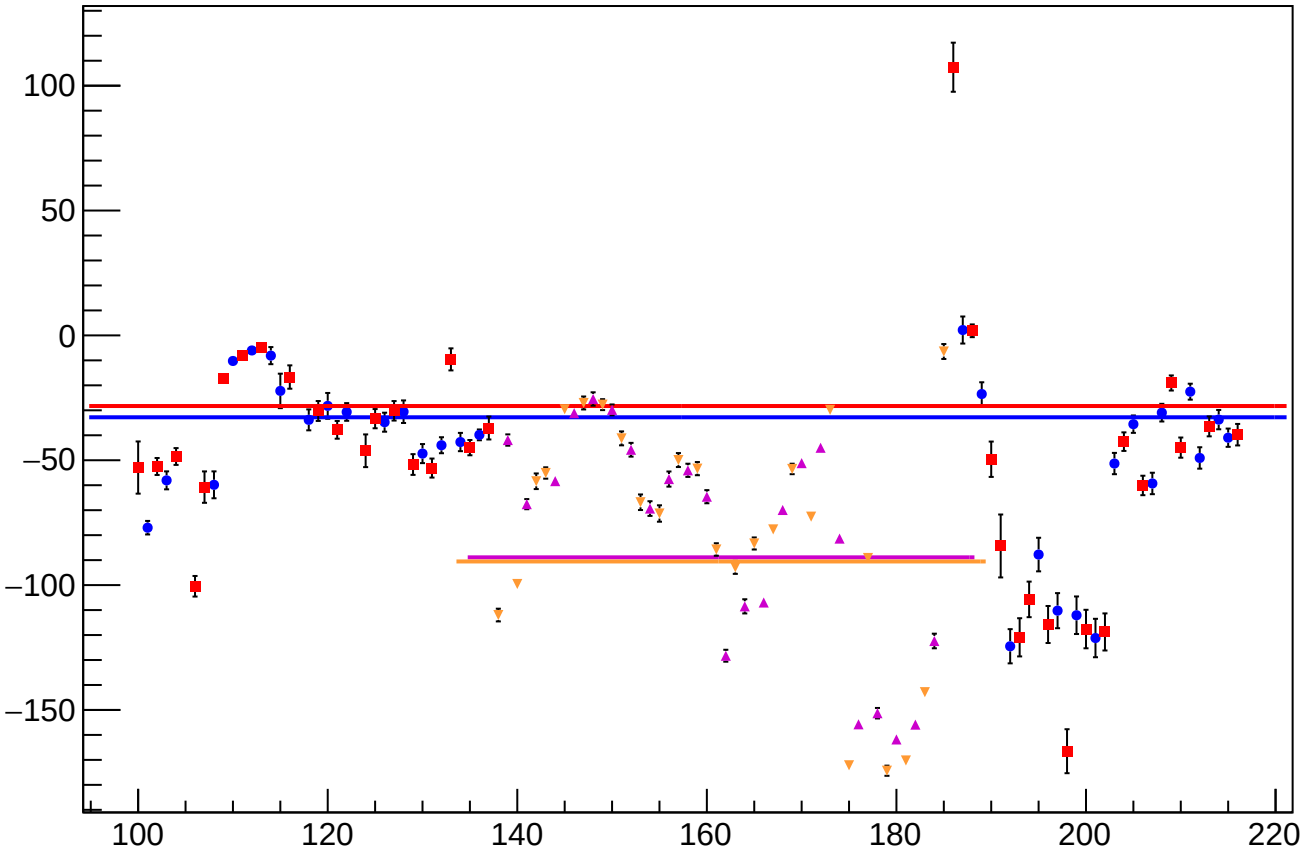
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.391+/-0.019 χ^2/NDF: 2495.1/65

In: 0.162+/-0.006 χ^2/NDF:2228.5/53

Out: 0.151+/-0.006 χ^2/NDF:2732.2/59

All: 0.156+/-0.005 χ^2/NDF: 4962.0/113



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: -28.285+/-0.578 χ^2/NDF: 2433.7/34

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

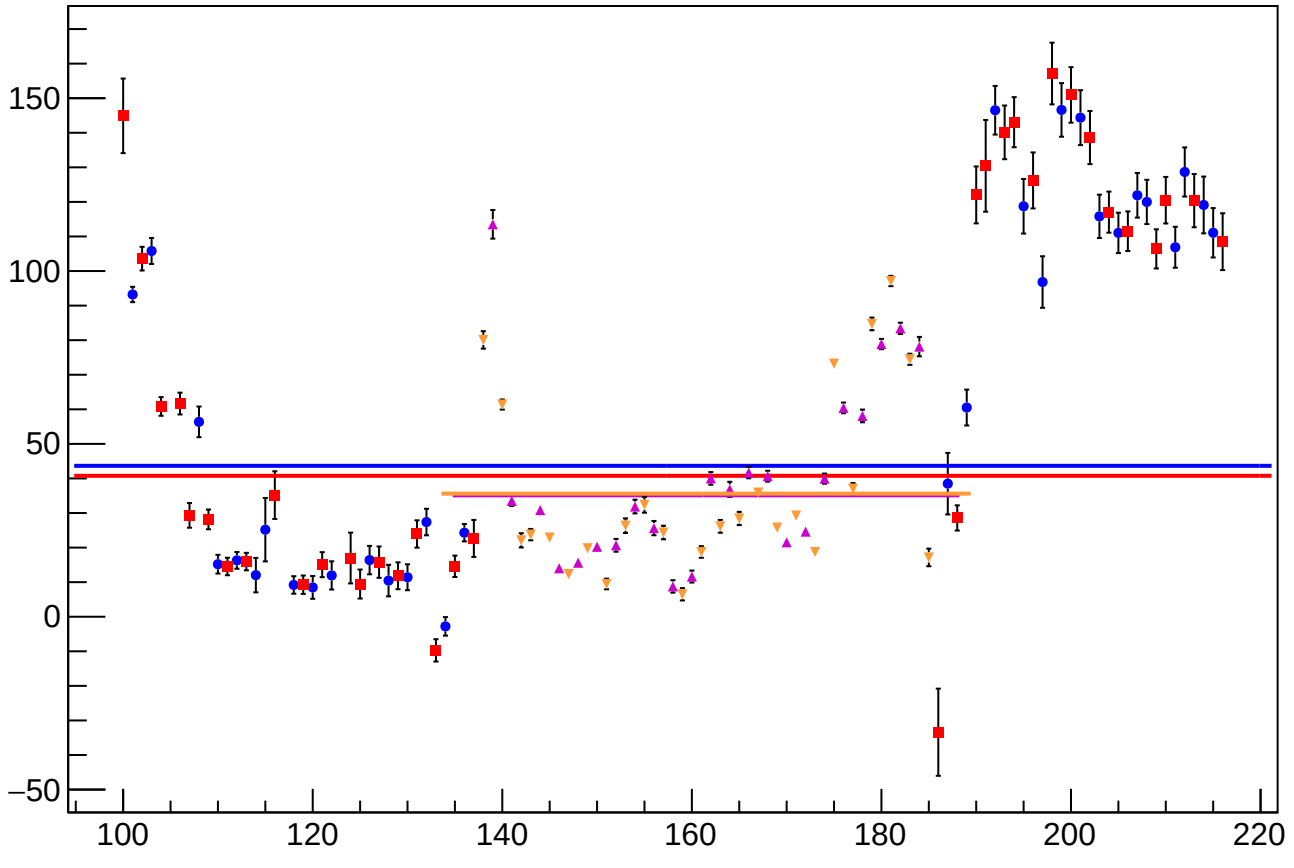
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.393+/-0.422 χ^2/NDF: 4144.6/65

In: -70.268+/-0.355 χ^2/NDF:19030.8/53

Out: -68.930+/-0.340 χ^2/NDF:25369.6/59

All: -69.570+/-0.246 χ^2/NDF: 44407.7/113



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: 40.767+/-0.722 χ^2/NDF: 3402.6/34

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

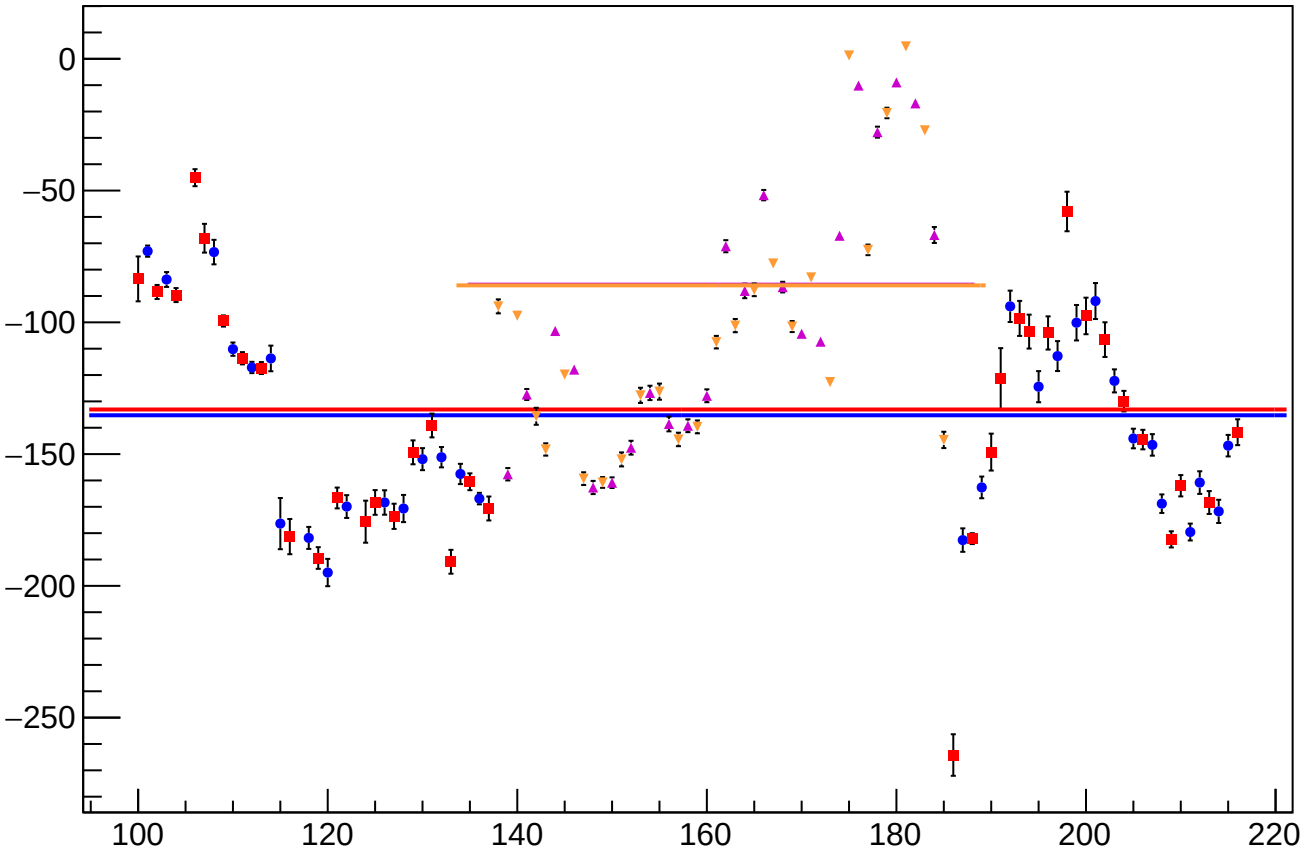
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 42.188+/-0.515 χ^2/NDF: 7067.2/65

In: 36.595+/-0.306 χ^2/NDF:7913.2/53

Out: 36.483+/-0.297 χ^2/NDF:9418.0/59

All: 36.537+/-0.213 χ^2/NDF: 17331.2/113



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: -133.071+/-0.648 χ^2/NDF: 4071.8/34

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

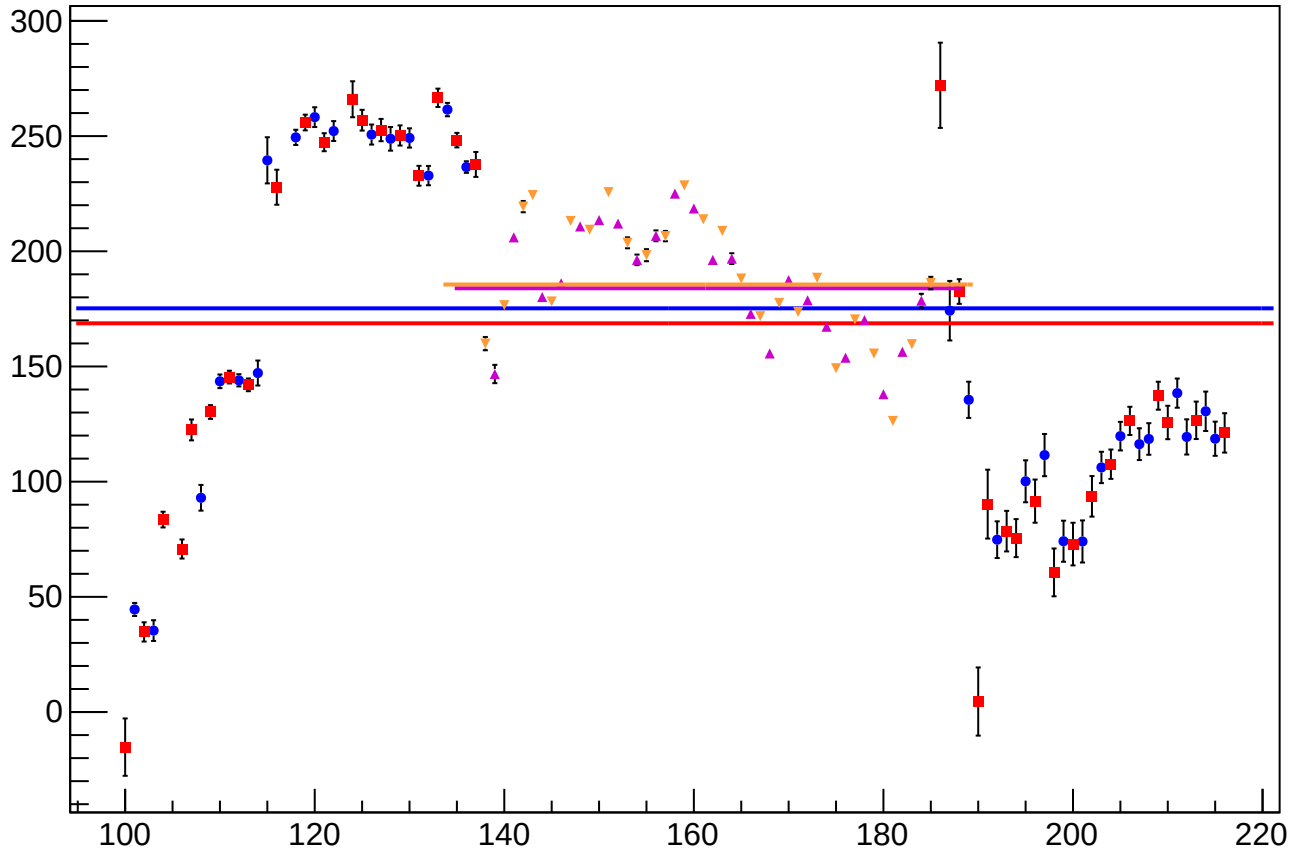
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -134.131+/-0.466 χ^2/NDF: 7058.9/65

In: -100.261+/-0.363 χ^2/NDF:20597.5/53

Out: -99.955+/-0.353 χ^2/NDF:24024.4/59

All: -100.104+/-0.253 χ^2/NDF: 44622.3/113



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: 168.732+/-0.828 χ^2/NDF: 7833.2/34

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

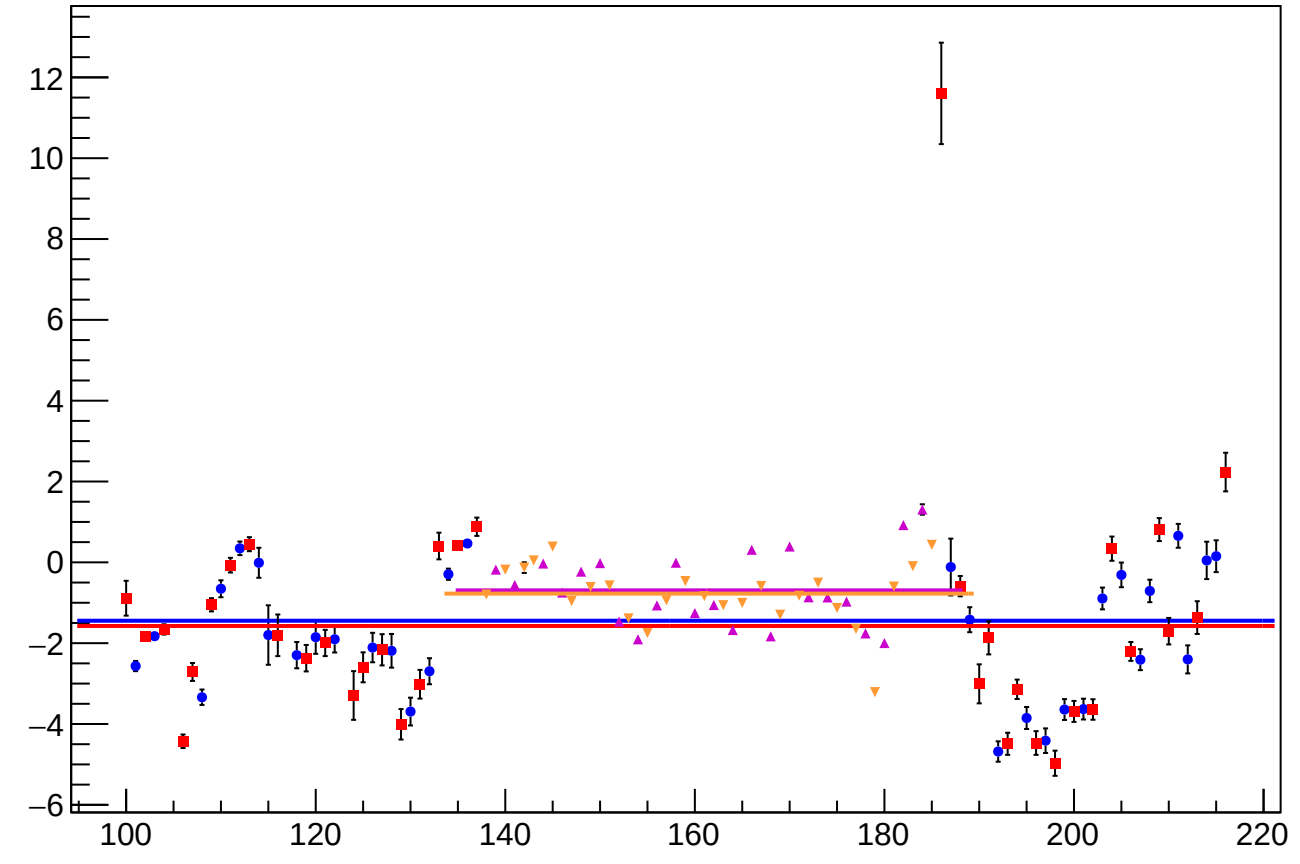
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 171.959+/-0.588 χ^2/NDF: 16228.2/65

In: 182.460+/-0.344 χ^2/NDF:12328.2/53

Out: 182.819+/-0.335 χ^2/NDF:13534.2/59

All: 182.644+/-0.240 χ^2/NDF: 25862.9/113



Right In: -1.445+/-0.041 χ^2/NDF: 1437.4/30

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.574+/-0.040 χ^2/NDF: 1857.2/34

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

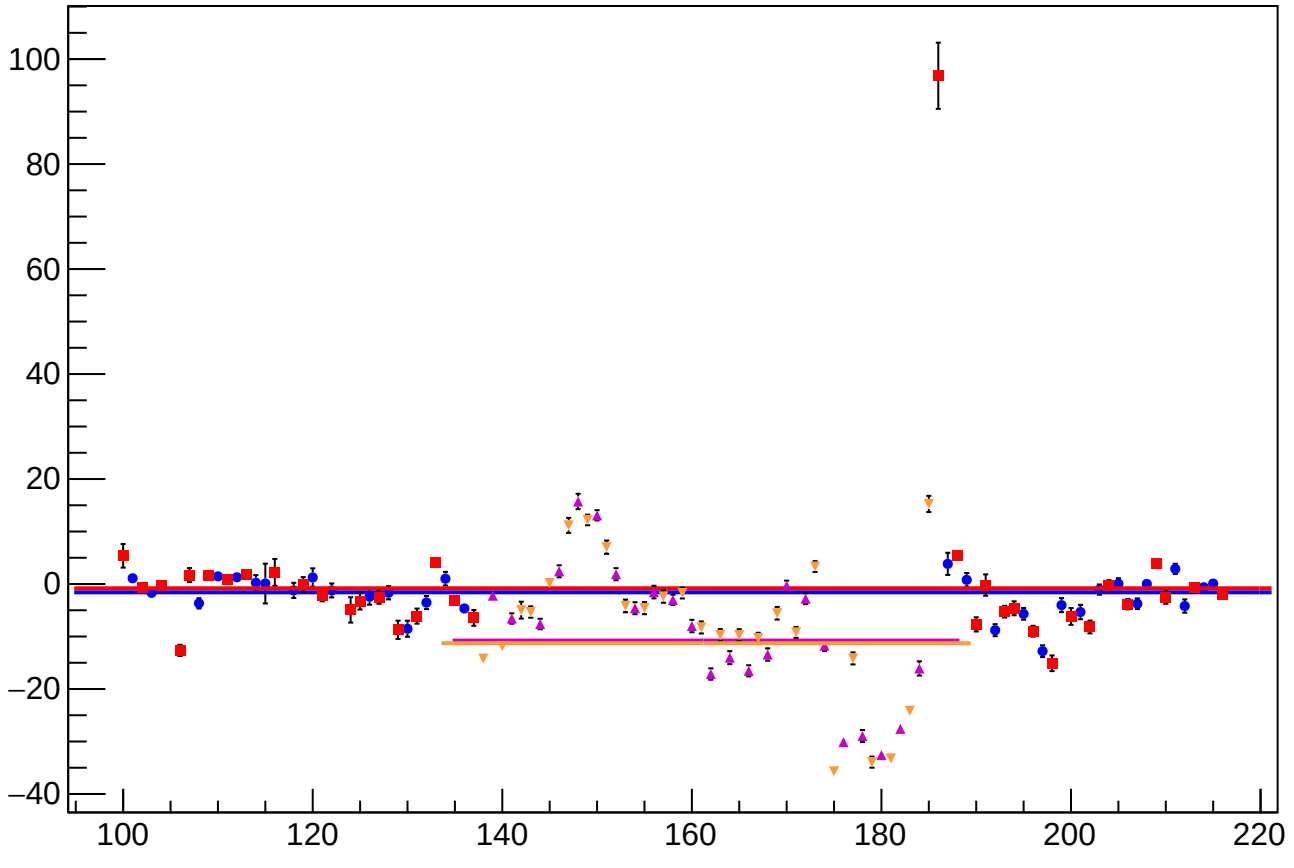
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.510+/-0.029 χ^2/NDF: 3299.7/65

In: -0.802+/-0.016 χ^2/NDF:4292.0/53

Out: -0.888+/-0.015 χ^2/NDF:4018.3/59

All: -0.846+/-0.011 χ^2/NDF: 8325.9/113



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: -0.813+/-0.172 χ^2/NDF: 930.9/34

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

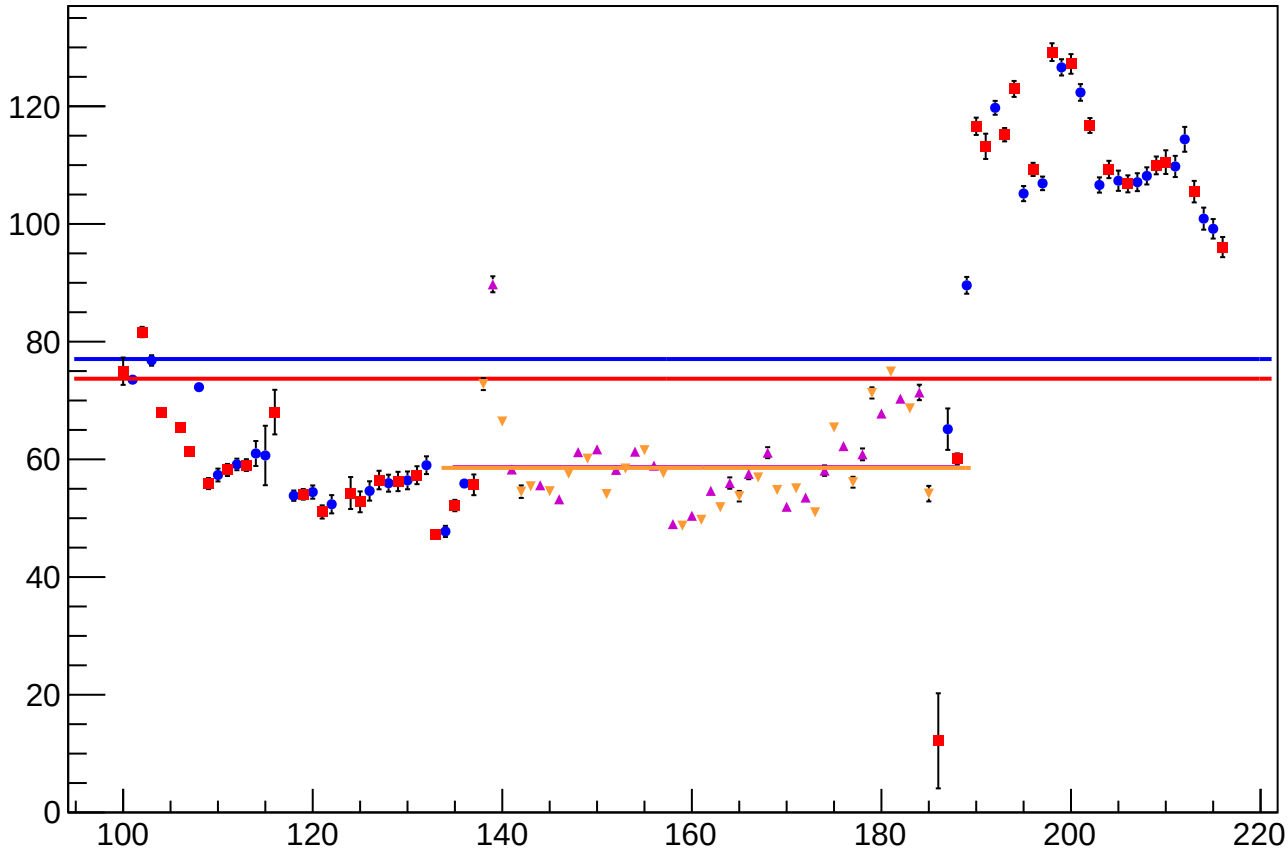
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.164+/-0.126 χ^2/NDF: 1263.6/65

In: -5.582+/-0.141 χ^2/NDF:5071.8/53

Out: -5.053+/-0.132 χ^2/NDF:6939.4/59

All: -5.301+/-0.096 χ^2/NDF: 12018.7/113



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: 73.704+/-0.202 χ^2/NDF: 16109.5/34

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

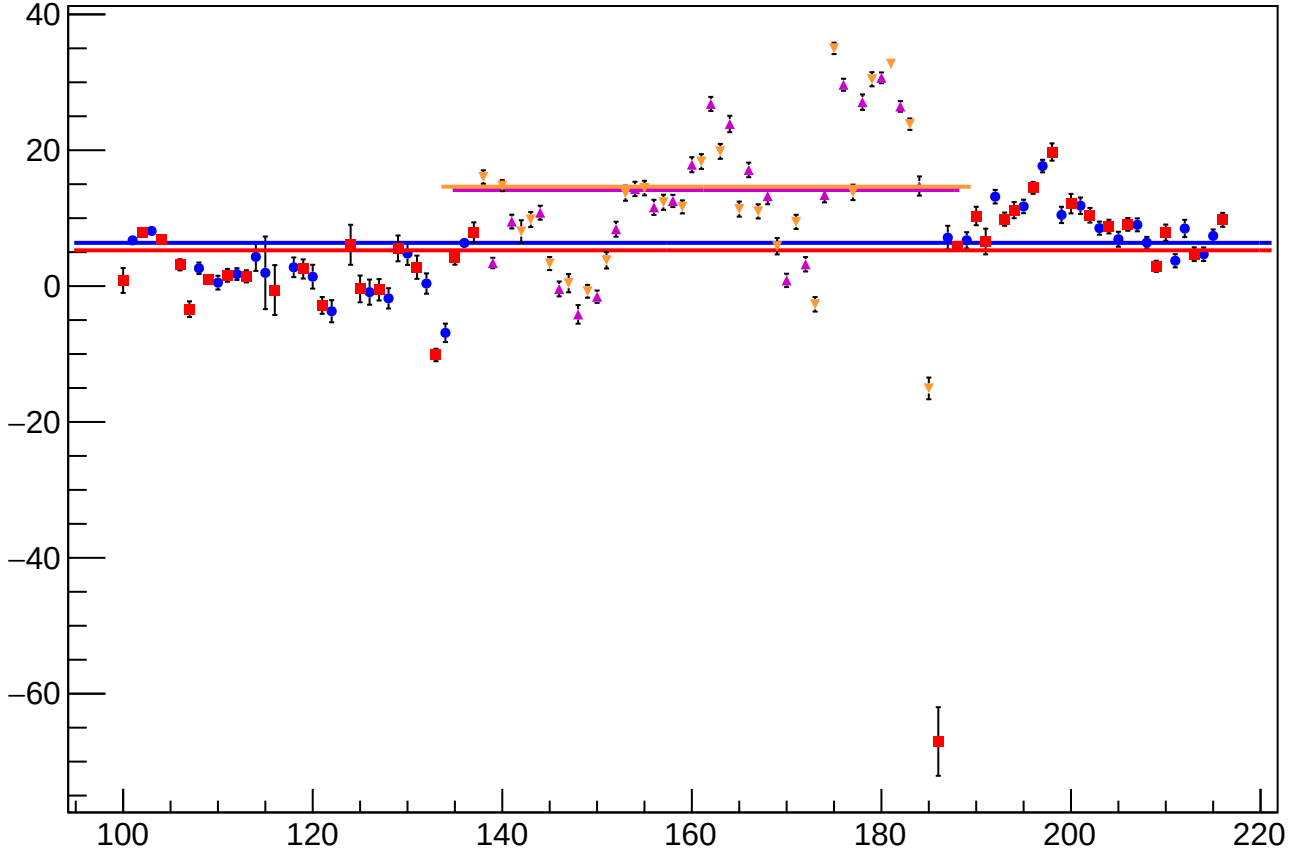
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 75.241+/-0.148 χ^2/NDF: 28216.3/65

In: 65.506+/-0.133 χ^2/NDF:18017.8/53

Out: 64.440+/-0.126 χ^2/NDF:21448.3/59

All: 64.943+/-0.092 χ^2/NDF: 39499.8/113



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: 5.267+/-0.175 χ^2/NDF: 1132.8/34

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

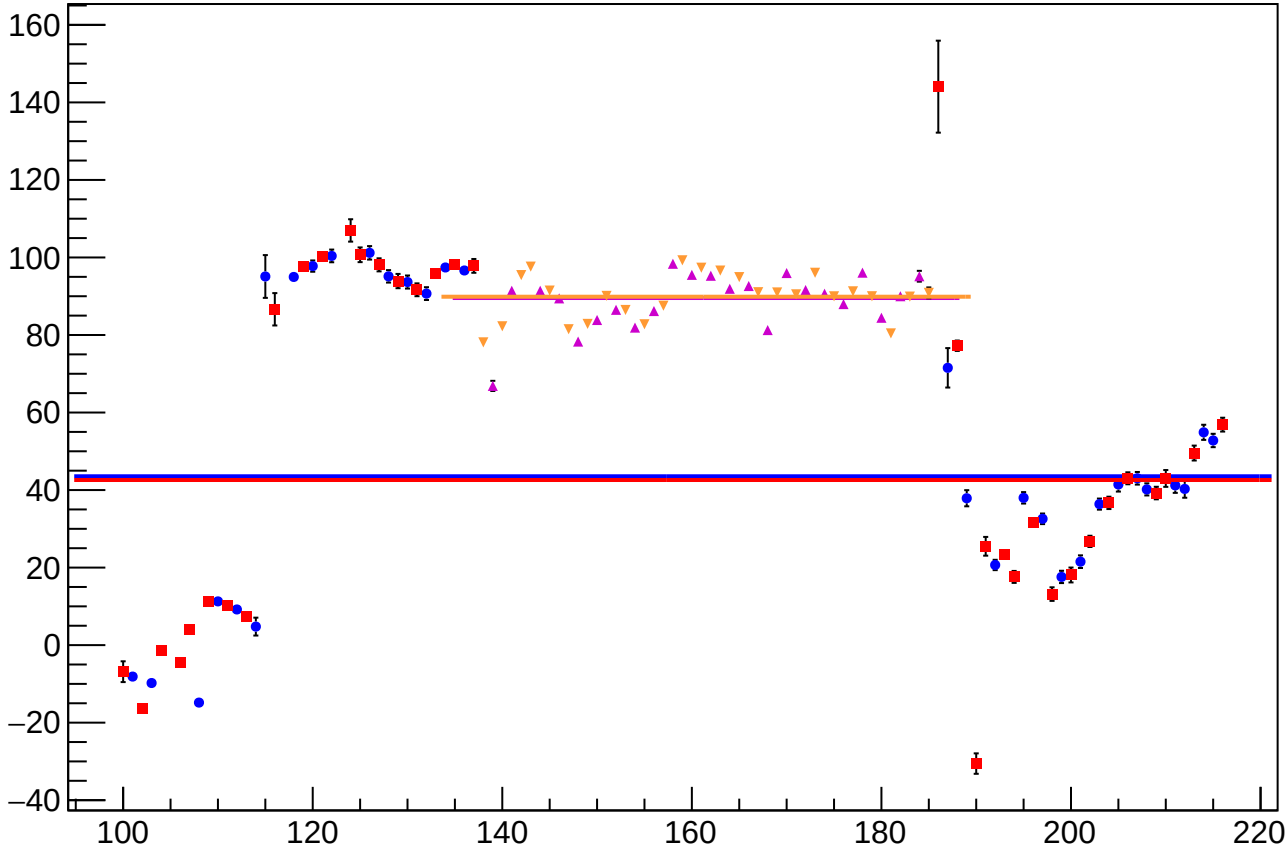
Right: 5.776+/-0.129 χ^2/NDF: 1734.7/65

In: 9.830+/-0.141 χ^2/NDF:3876.9/53

Out: 9.187+/-0.134 χ^2/NDF:5289.2/59

All: 9.492+/-0.097 χ^2/NDF: 9177.0/113

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 42.594+/-0.236 χ^2/NDF: 31820.3/34

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

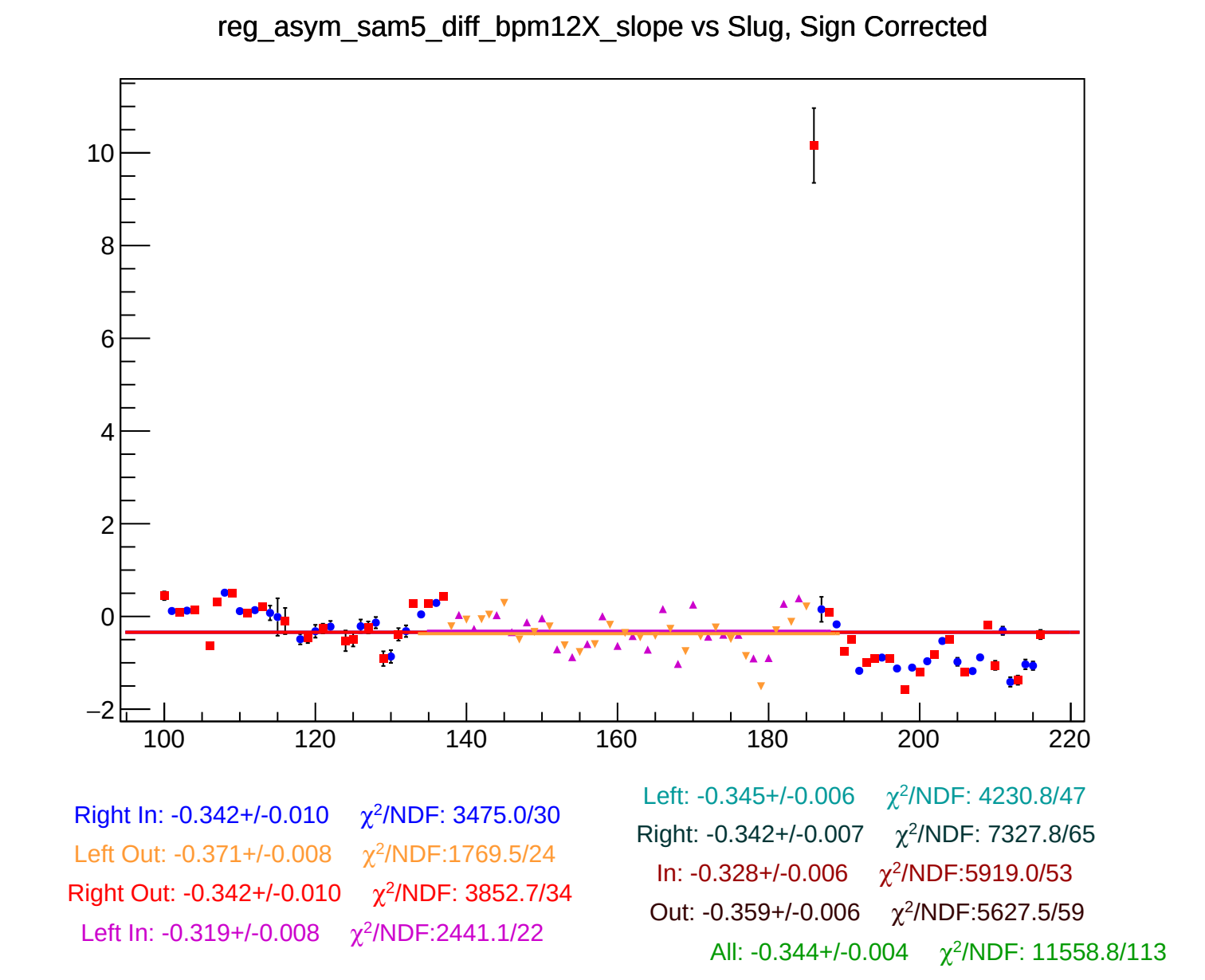
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

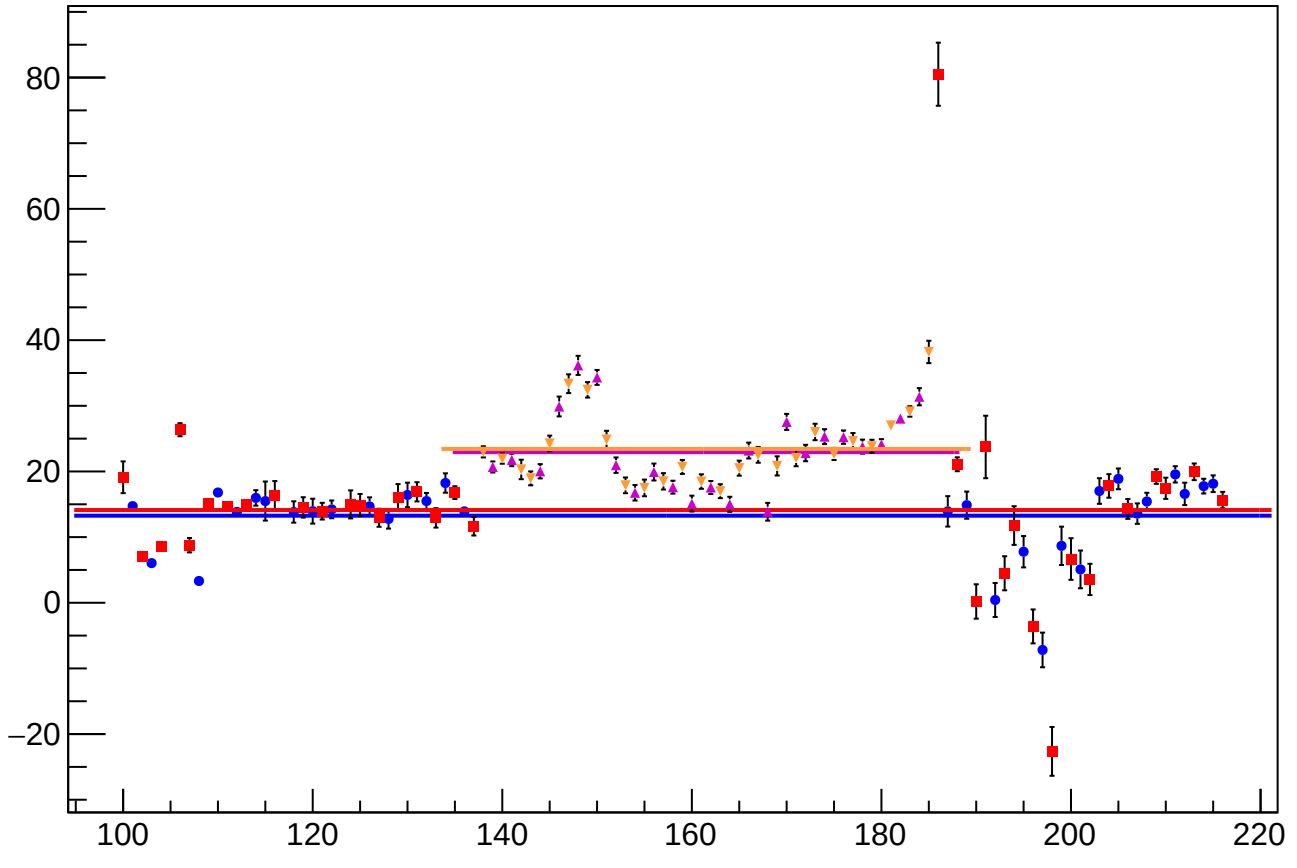
Right: 43.043+/-0.172 χ^2/NDF: 59831.6/65

In: 73.135+/-0.150 χ^2/NDF:50552.1/53

Out: 72.377+/-0.144 χ^2/NDF:58132.1/59

All: 72.739+/-0.104 χ^2/NDF: 108697.5/113


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: -0.342+/-0.010 χ²/NDF: 3852.7/34
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: -0.342+/-0.007 χ²/NDF: 7327.8/65
In: -0.328+/-0.006 χ²/NDF:5919.0/53
Out: -0.359+/-0.006 χ²/NDF:5627.5/59
All: -0.344+/-0.004 χ²/NDF: 11558.8/113



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: 14.126+/-0.185 χ^2/NDF: 909.9/34

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

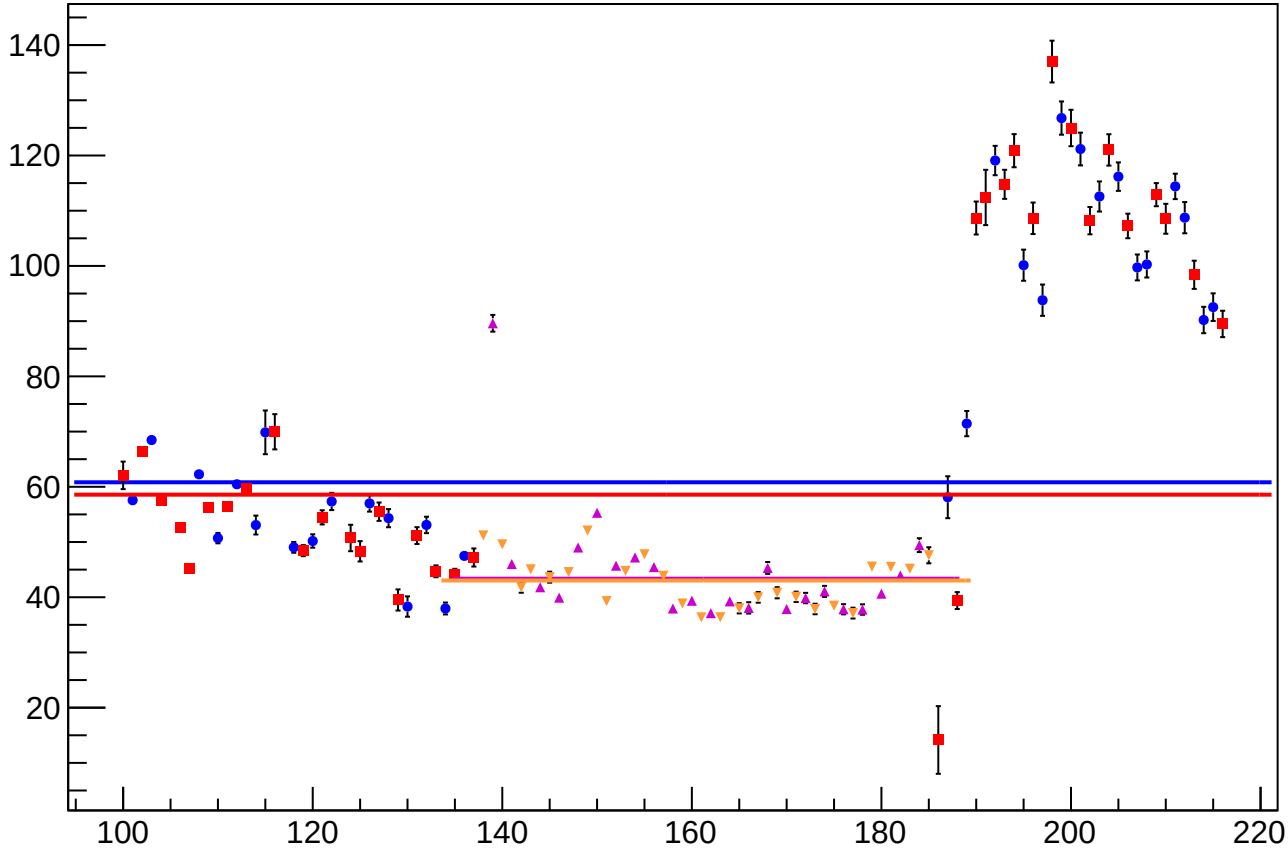
Right: 13.711+/-0.134 χ^2/NDF: 1492.7/65

In: 17.349+/-0.146 χ^2/NDF:2205.5/53

Out: 18.078+/-0.141 χ^2/NDF:2407.0/59

All: 17.728+/-0.101 χ^2/NDF: 4625.4/113

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 58.574+/-0.212 χ^2/NDF: 6821.3/34

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

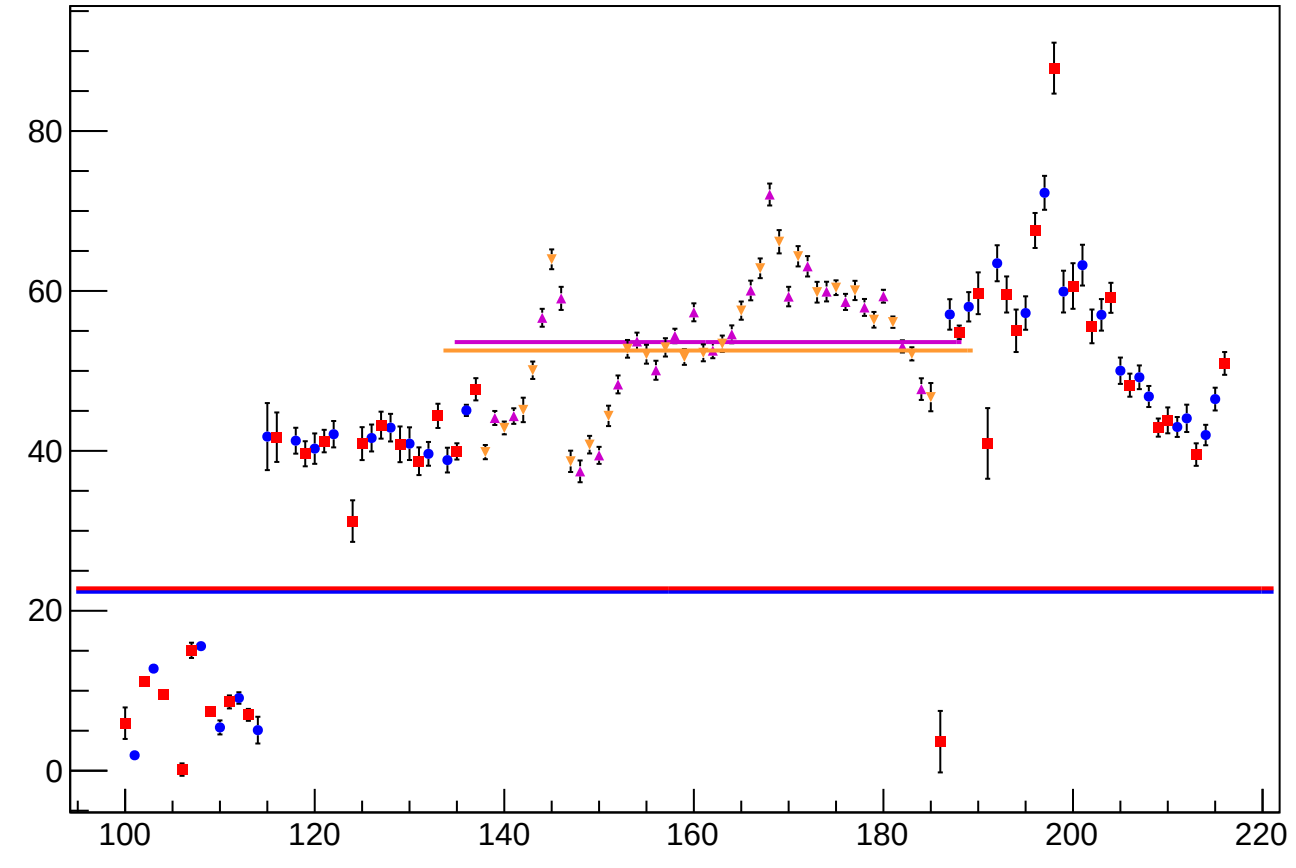
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 59.705+/-0.150 χ^2/NDF: 12597.5/65

In: 50.580+/-0.136 χ^2/NDF:11423.6/53

Out: 48.980+/-0.131 χ^2/NDF:10907.6/59

All: 49.755+/-0.094 χ^2/NDF: 22403.0/113



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: 22.806+/-0.195 χ^2/NDF: 10063.0/34

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

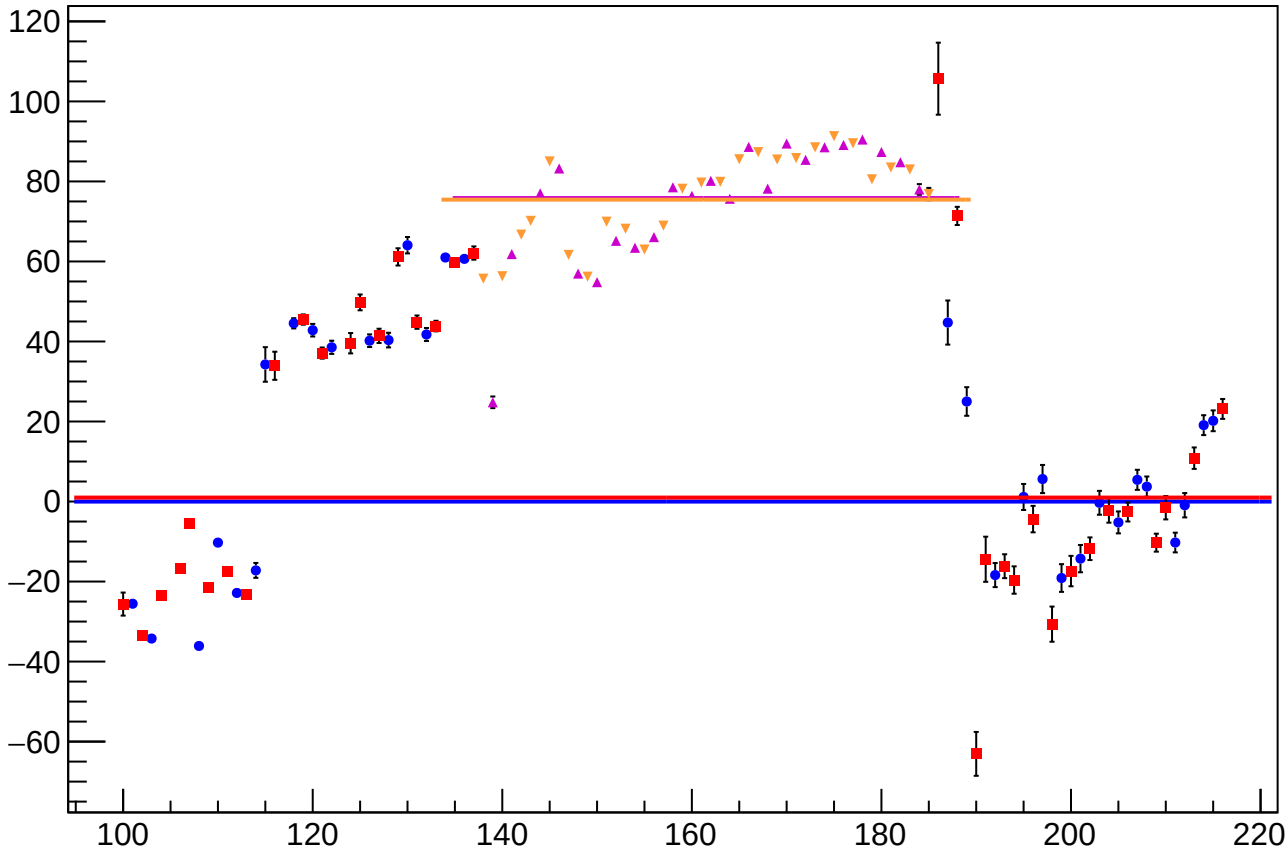
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 22.592+/-0.137 χ^2/NDF: 20808.3/65

In: 35.687+/-0.146 χ^2/NDF:23018.2/53

Out: 36.238+/-0.144 χ^2/NDF:21786.2/59

All: 35.965+/-0.102 χ^2/NDF: 44811.6/113



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: 0.985+/-0.249 χ^2/NDF: 17559.8/34

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

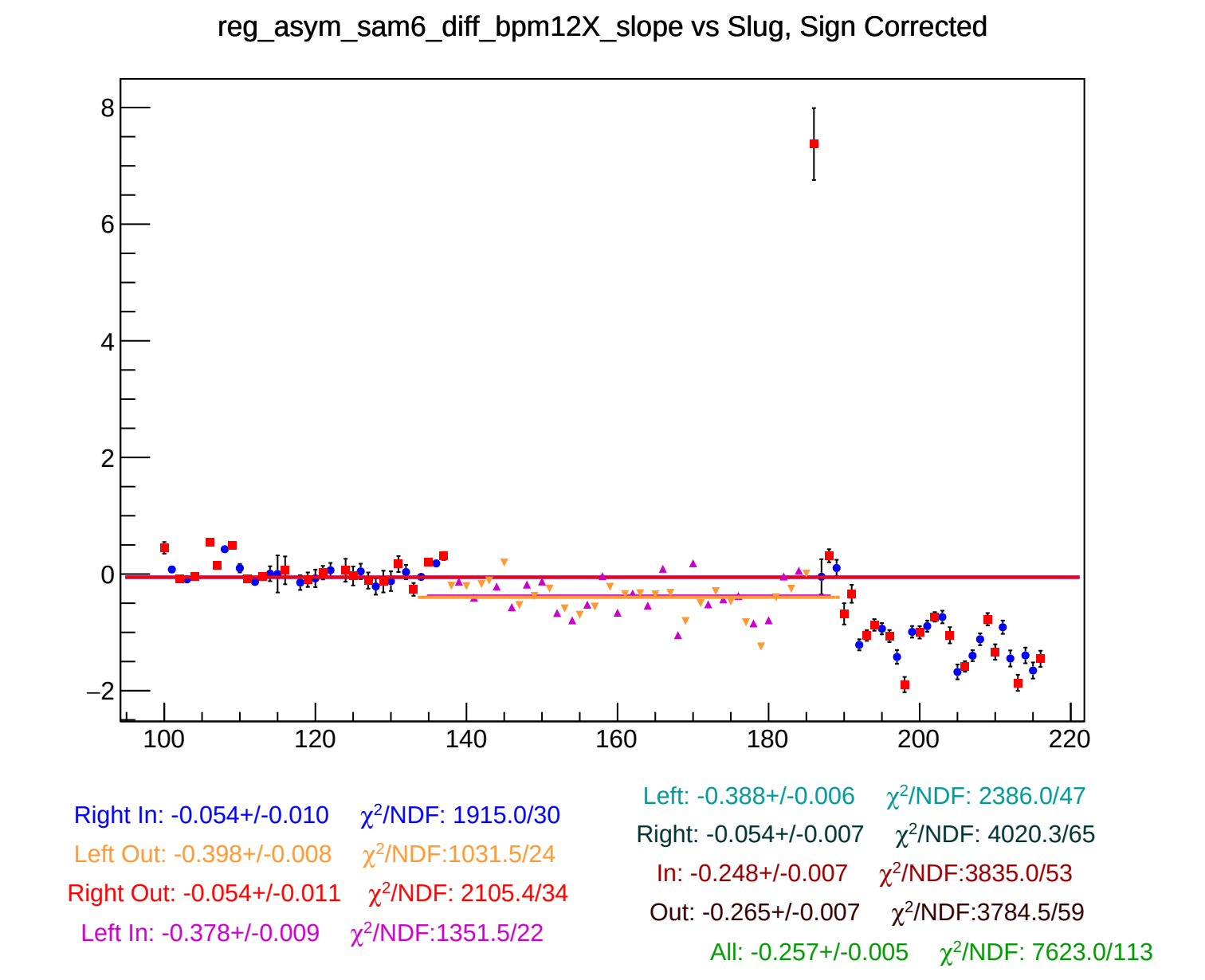
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

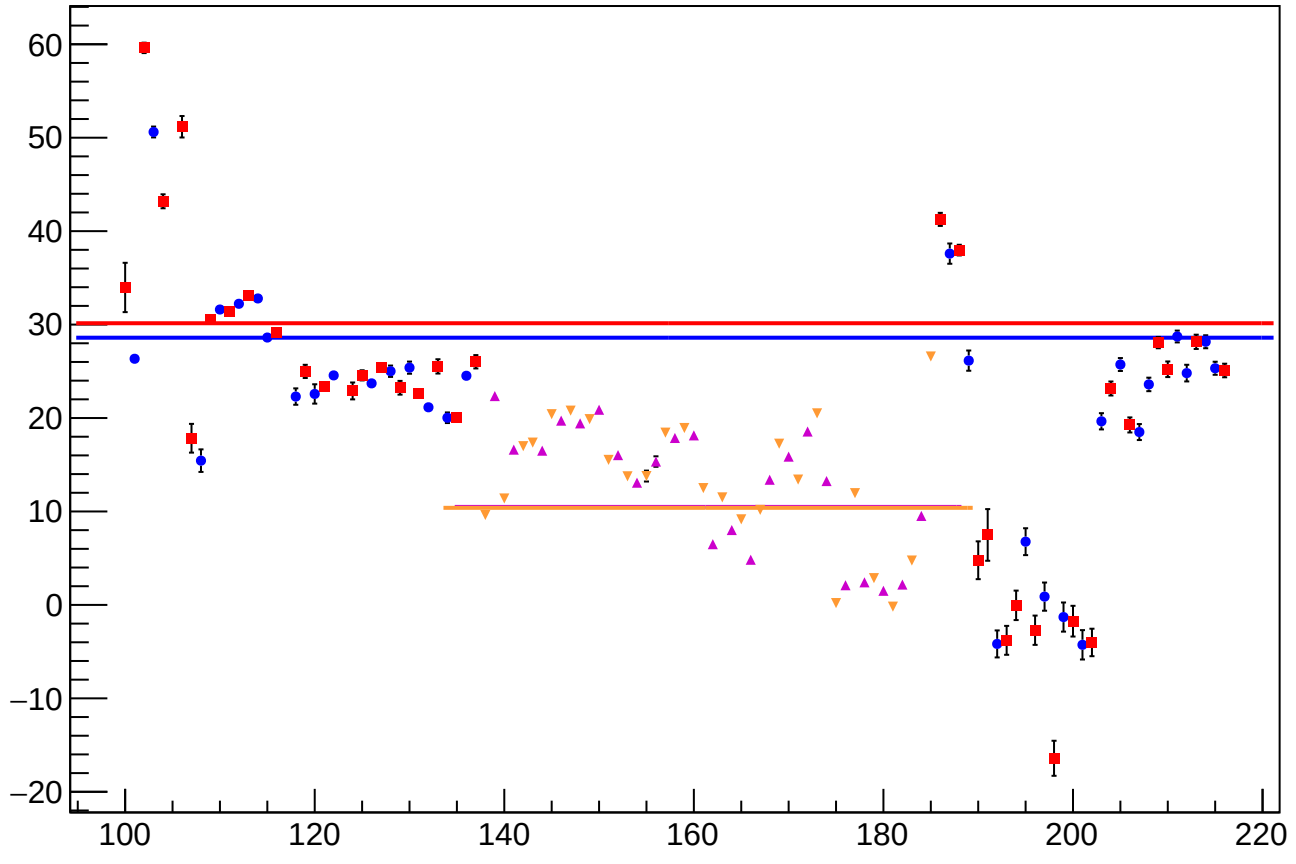
Right: 0.483+/-0.176 χ^2/NDF: 38949.7/65

In: 46.356+/-0.154 χ^2/NDF:83134.9/53

Out: 48.382+/-0.150 χ^2/NDF:77844.3/59

All: 47.395+/-0.108 χ^2/NDF: 161067.8/113


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.054+/-0.010 χ²/NDF: 1915.0/30
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: -0.054+/-0.011 χ²/NDF: 2105.4/34
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: -0.054+/-0.007 χ²/NDF: 4020.3/65
In: -0.248+/-0.007 χ²/NDF:3835.0/53
Out: -0.265+/-0.007 χ²/NDF:3784.5/59
All: -0.257+/-0.005 χ²/NDF: 7623.0/113



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: 30.145+/-0.076 χ^2/NDF: 8996.4/34

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

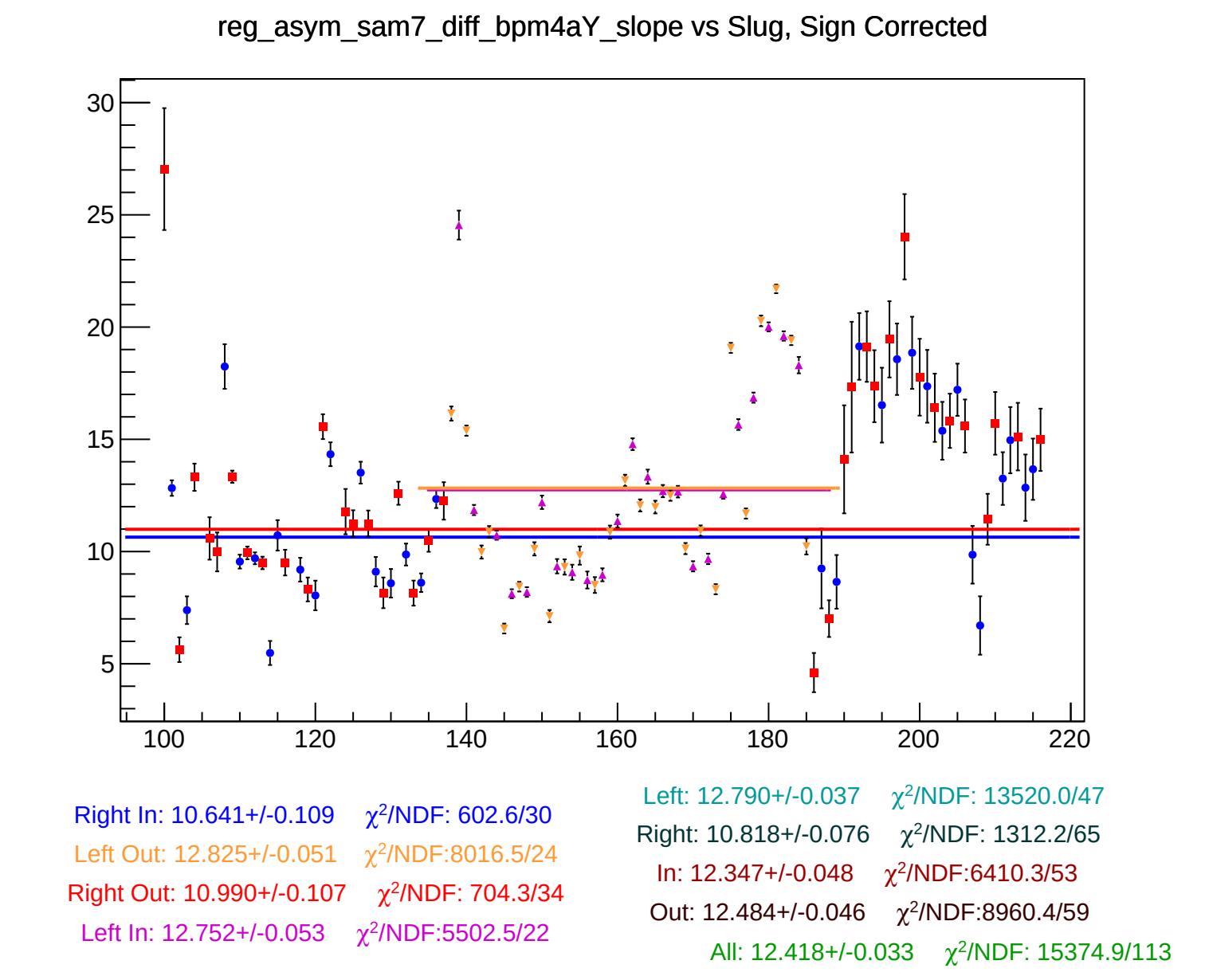
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

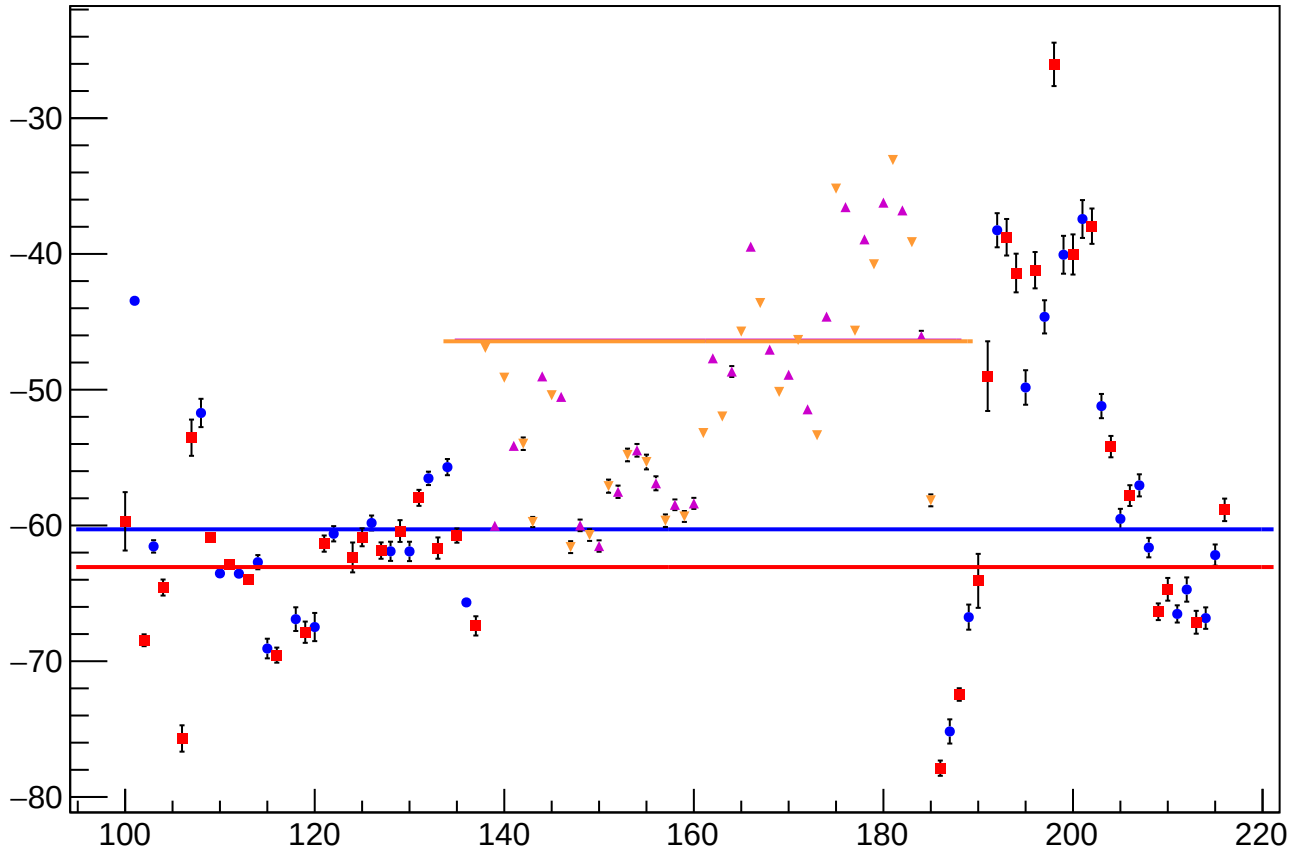
Right: 29.465+/-0.057 χ^2/NDF: 14970.1/65

In: 17.349+/-0.053 χ^2/NDF:45142.9/53

Out: 18.645+/-0.049 χ^2/NDF:62447.2/59

All: 18.044+/-0.036 χ^2/NDF: 107915.6/113


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: 10.990+/-0.107 χ²/NDF: 704.3/34
Left In: 12.752+/-0.053 χ²/NDF:5502.5/22
Left: 12.790+/-0.037 χ²/NDF: 13520.0/47
Right: 10.818+/-0.076 χ²/NDF: 1312.2/65
In: 12.347+/-0.048 χ²/NDF:6410.3/53
Out: 12.484+/-0.046 χ²/NDF:8960.4/59
All: 12.418+/-0.033 χ²/NDF: 15374.9/113



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: -63.065+/-0.096 χ^2/NDF: 4213.9/34

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

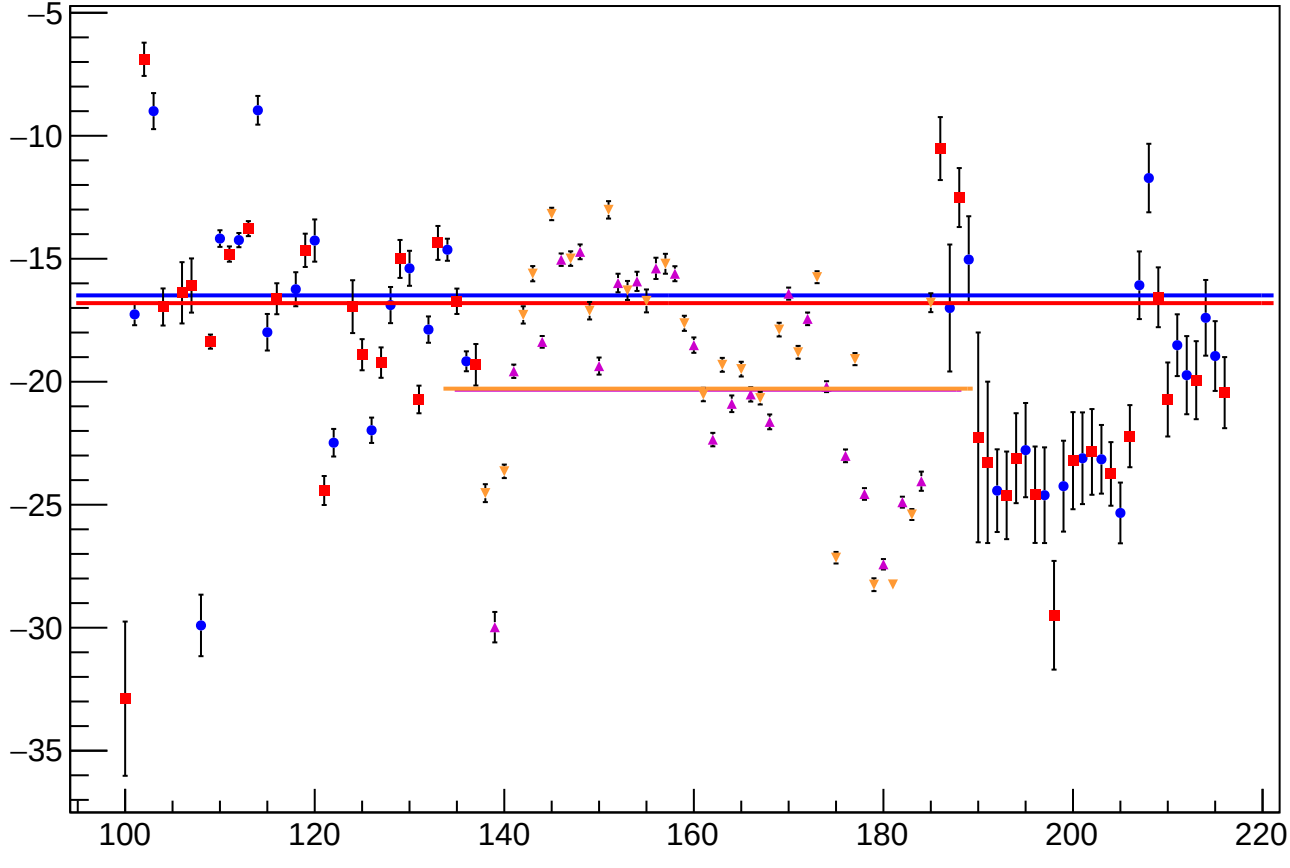
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.751+/-0.070 χ^2/NDF: 9872.8/65

In: -50.588+/-0.056 χ^2/NDF:33445.4/53

Out: -51.598+/-0.053 χ^2/NDF:43072.1/59

All: -51.114+/-0.039 χ^2/NDF: 76688.4/113



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: -16.804+/-0.119 χ^2/NDF: 899.4/34

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

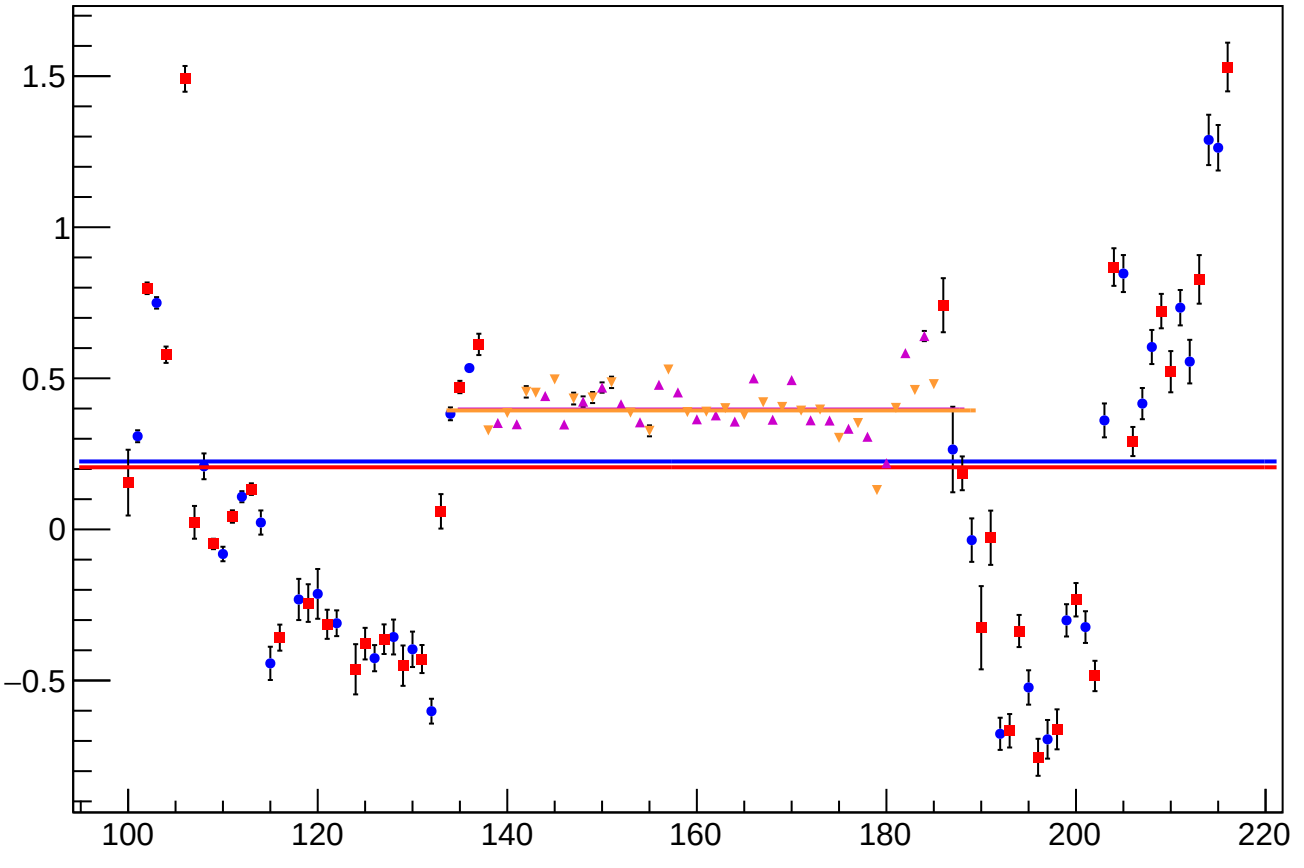
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.650+/-0.085 χ^2/NDF: 1884.6/65

In: -19.589+/-0.053 χ^2/NDF:6062.2/53

Out: -19.630+/-0.051 χ^2/NDF:8613.8/59

All: -19.610+/-0.037 χ^2/NDF: 14676.2/113



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: 0.206+/-0.006 χ^2/NDF: 5243.2/34

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

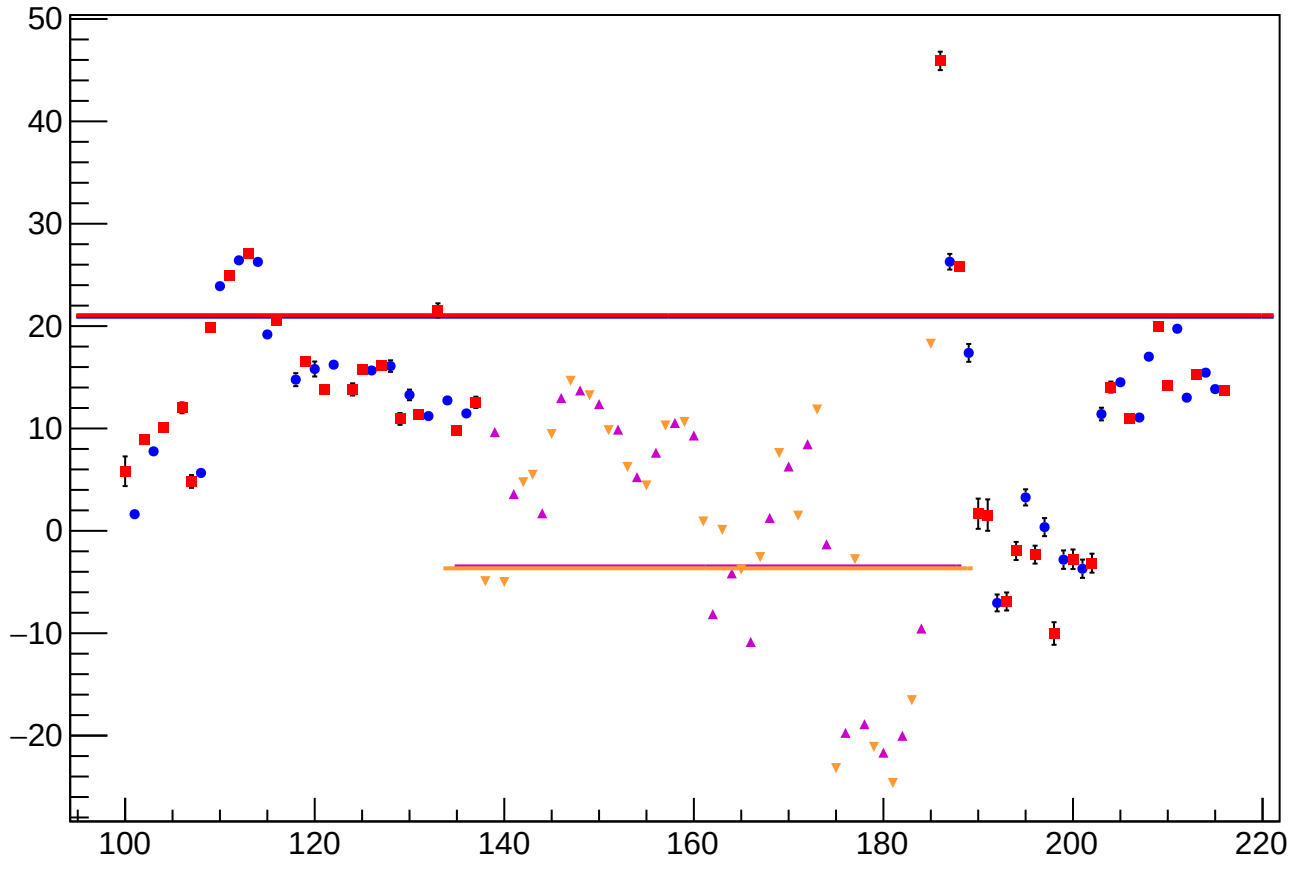
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.215+/-0.005 χ^2/NDF: 9386.8/65

In: 0.372+/-0.002 χ^2/NDF:6041.9/53

Out: 0.368+/-0.002 χ^2/NDF:6922.4/59

All: 0.370+/-0.002 χ^2/NDF: 12965.7/113



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: 21.064+/-0.044 χ^2/NDF: 18466.3/34

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

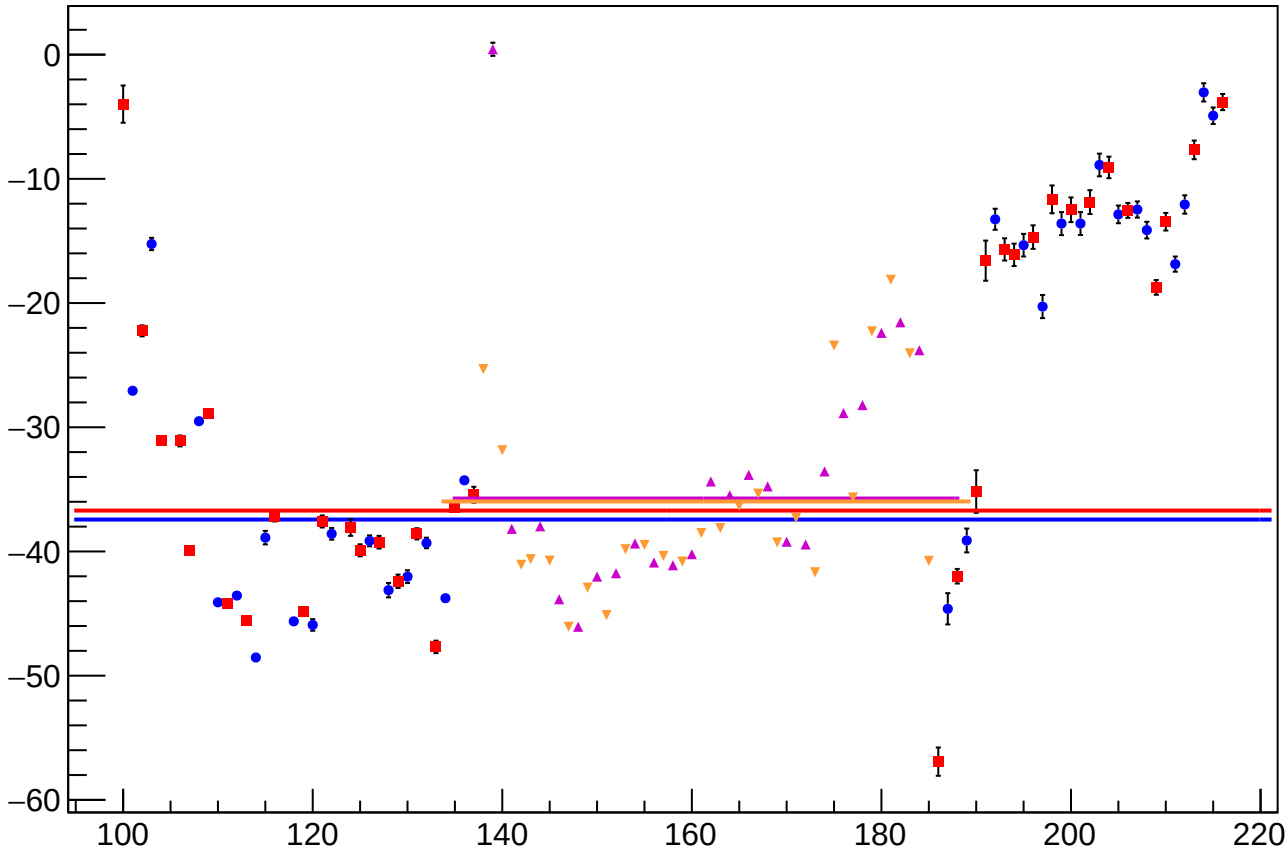
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.005+/-0.033 χ^2/NDF: 37239.4/65

In: 9.994+/-0.038 χ^2/NDF:163557.2/53

Out: 11.380+/-0.034 χ^2/NDF:200234.6/59

All: 10.769+/-0.026 χ^2/NDF: 364519.7/113



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: -36.707+/-0.067 χ^2/NDF: 23755.8/34

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

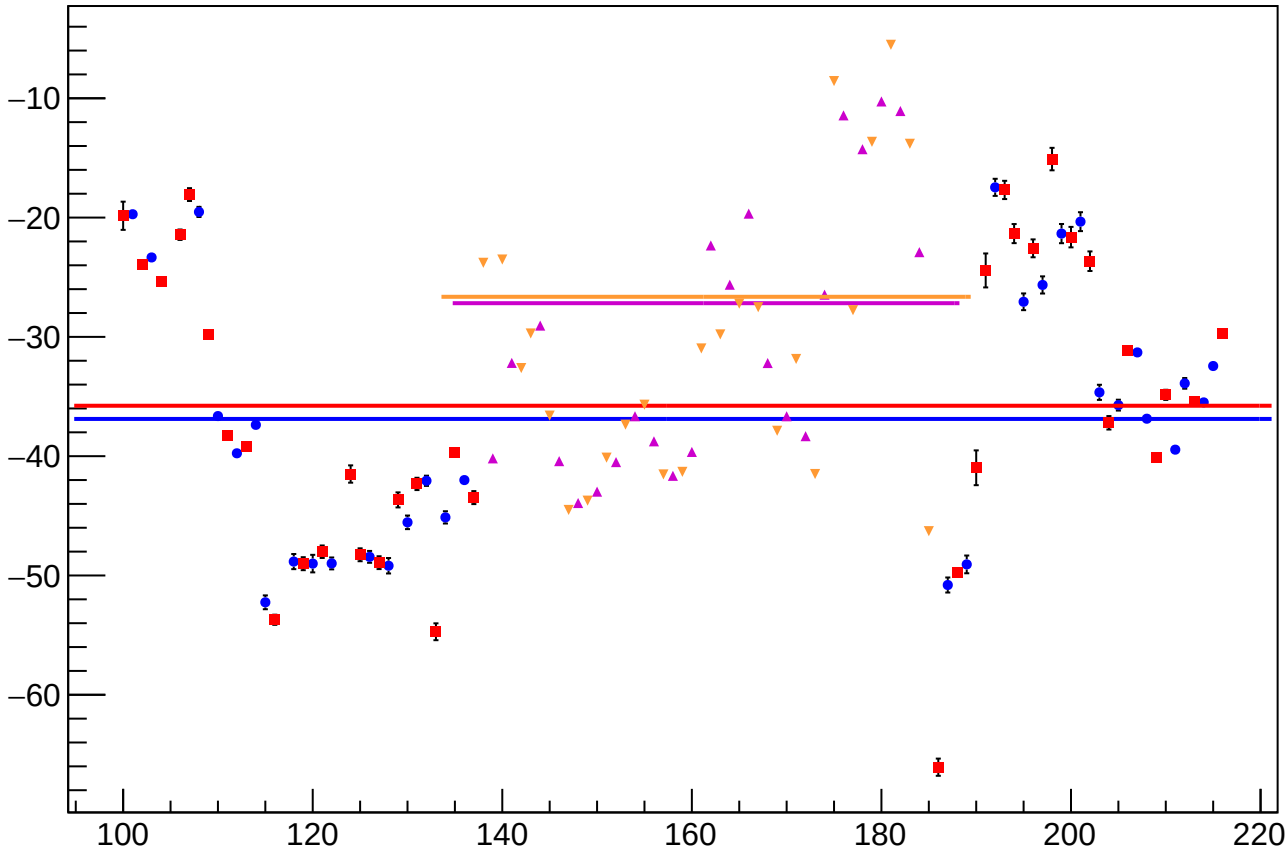
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -37.045+/-0.049 χ^2/NDF: 48240.5/65

In: -36.215+/-0.038 χ^2/NDF:51986.1/53

Out: -36.183+/-0.036 χ^2/NDF:57450.7/59

All: -36.198+/-0.026 χ^2/NDF: 109437.3/113



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: -35.772+/-0.058 χ^2/NDF: 19640.9/34

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

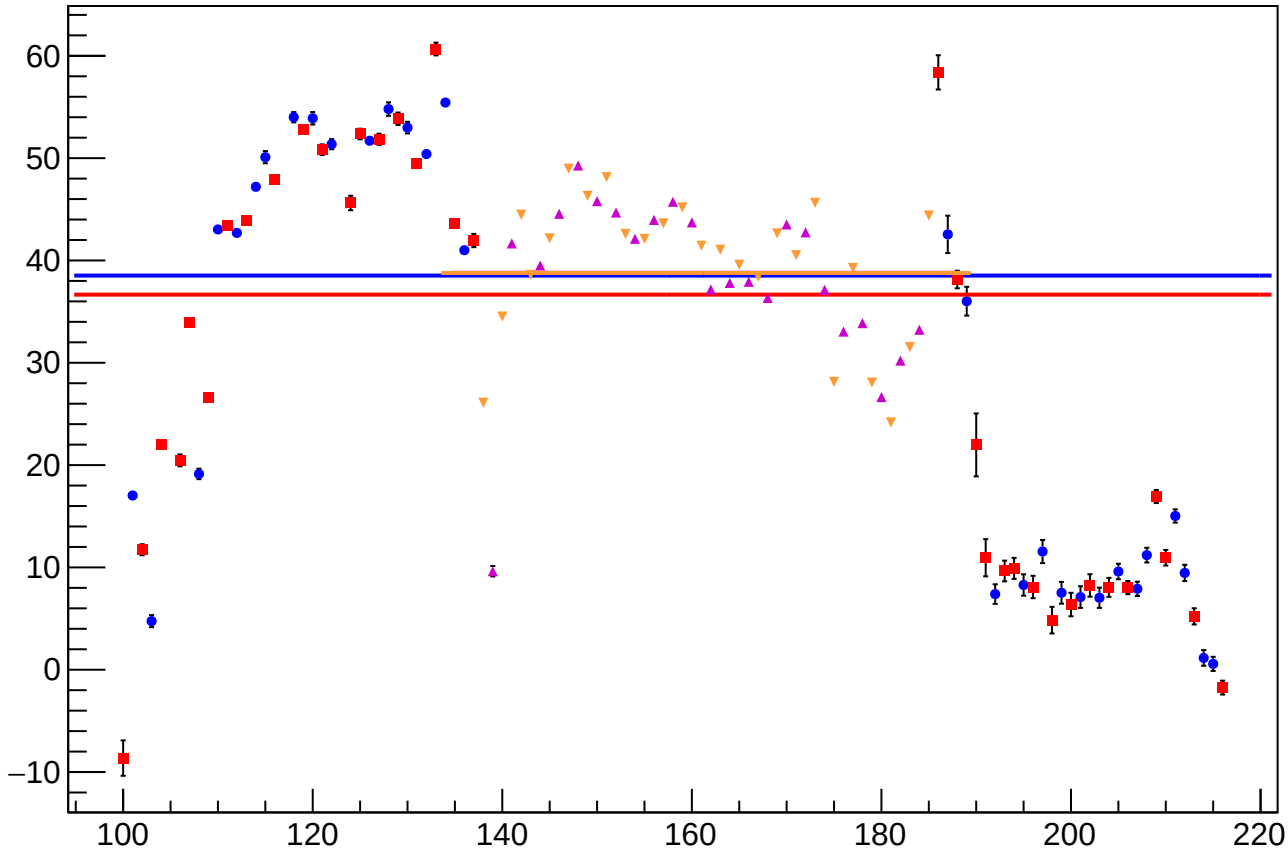
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.270+/-0.043 χ^2/NDF: 33972.6/65

In: -31.497+/-0.043 χ^2/NDF:67957.6/53

Out: -30.950+/-0.040 χ^2/NDF:82906.5/59

All: -31.204+/-0.029 χ^2/NDF: 150952.4/113



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: 36.659+/-0.074 χ^2/NDF: 33599.1/34

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

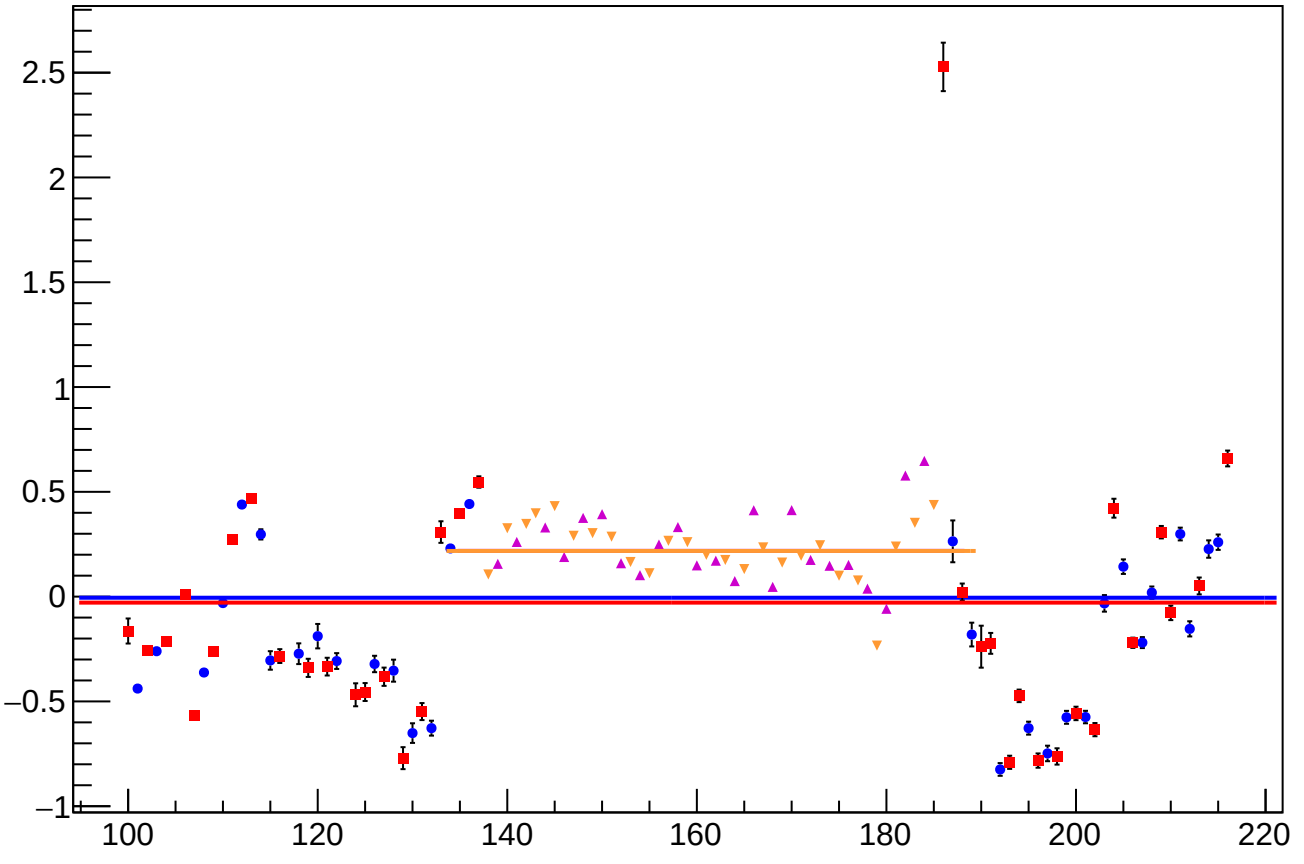
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 37.525+/-0.054 χ^2/NDF: 69132.3/65

In: 38.715+/-0.042 χ^2/NDF:51488.0/53

Out: 38.156+/-0.040 χ^2/NDF:55247.5/59

All: 38.420+/-0.029 χ^2/NDF: 106827.0/113



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: -0.029+/-0.004 χ^2/NDF: 9965.8/34

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

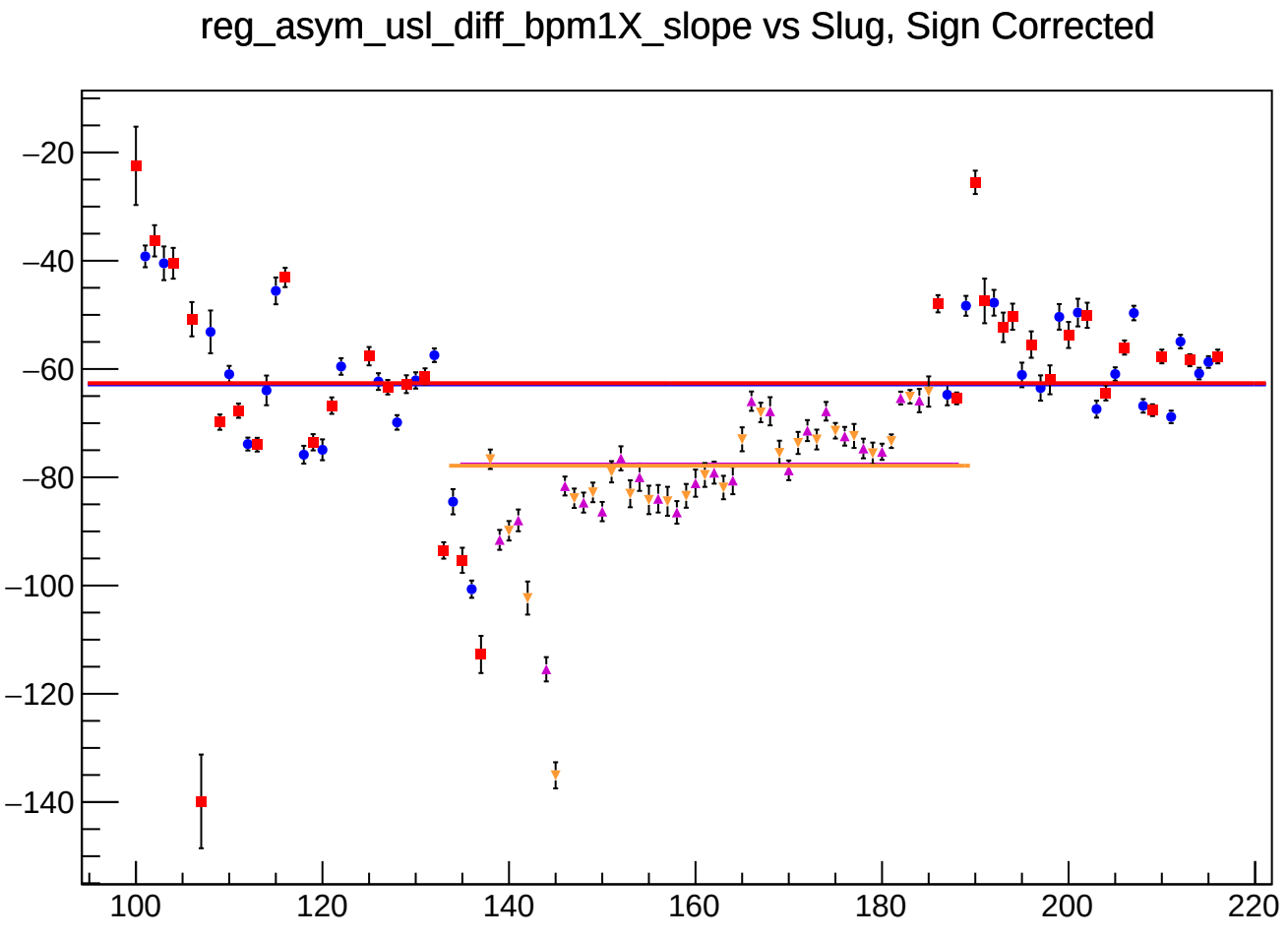
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.018+/-0.003 χ^2/NDF: 18234.4/65

In: 0.170+/-0.002 χ^2/NDF:15735.3/53

Out: 0.162+/-0.002 χ^2/NDF:17051.7/59

All: 0.166+/-0.001 χ^2/NDF: 32796.7/113



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: -62.621+/-0.287 χ^2/NDF: 1990.3/33

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

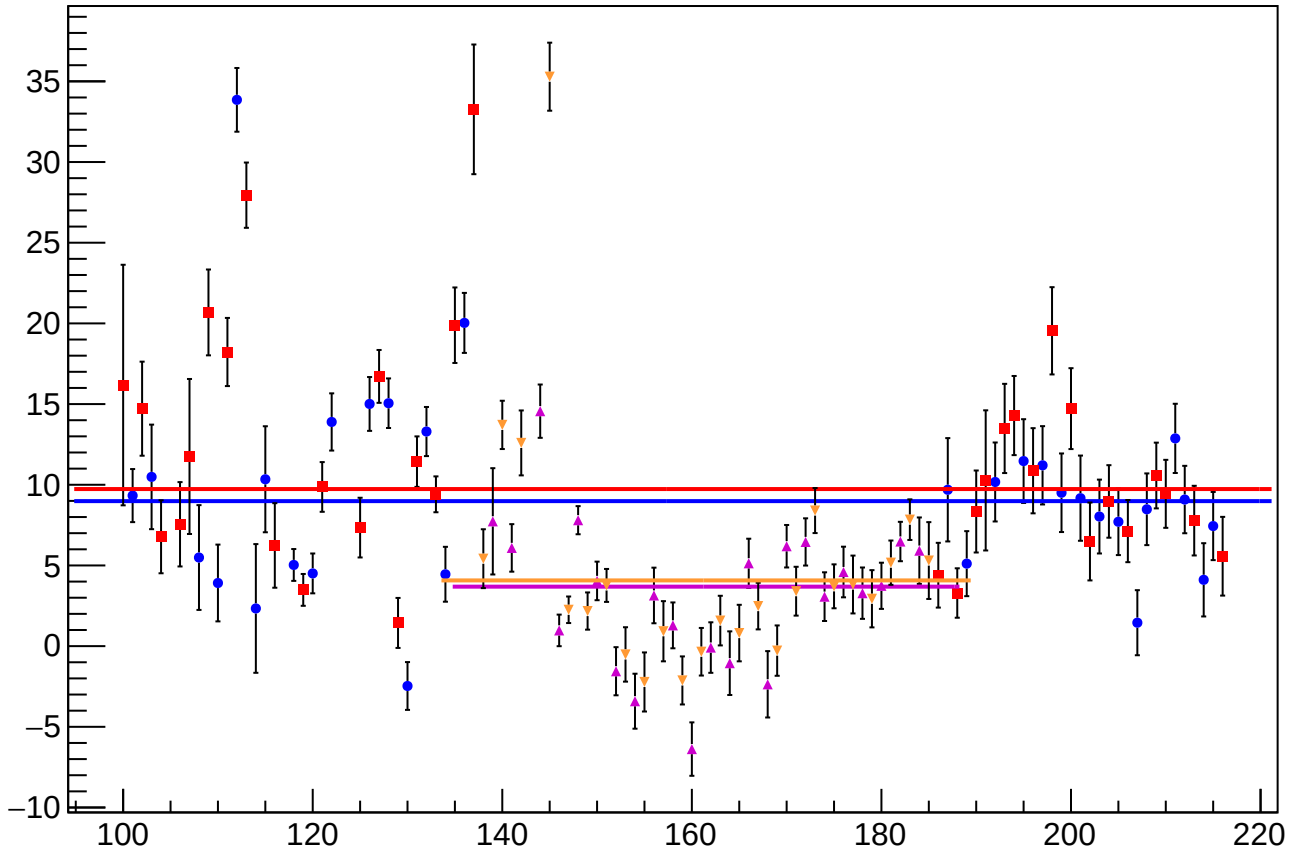
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -62.733+/-0.202 χ^2/NDF: 3483.7/64

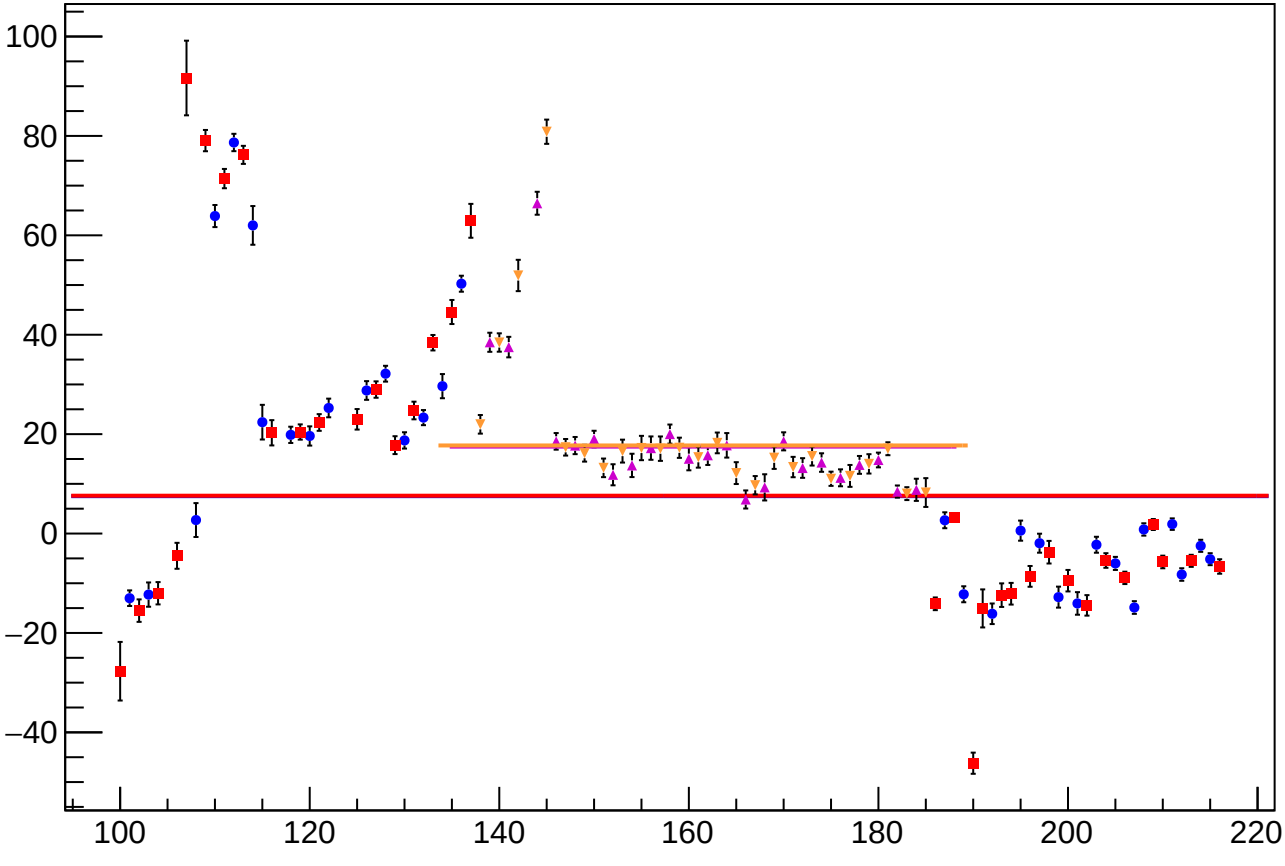
In: -67.885+/-0.231 χ^2/NDF:3105.3/53

Out: -67.903+/-0.232 χ^2/NDF:3900.8/57

All: -67.894+/-0.164 χ^2/NDF: 7006.1/111


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
220
Right In: 8.986+/-0.346 χ²/NDF: 372.1/30
Left Out: 4.073+/-0.297 χ²/NDF:370.6/23
Right Out: 9.734+/-0.345 χ²/NDF: 320.6/33
Left In: 3.686+/-0.302 χ²/NDF:182.6/22
Left: 3.883+/-0.212 χ²/NDF: 554.0/46
Right: 9.361+/-0.245 χ²/NDF: 695.0/64
In: 5.973+/-0.227 χ²/NDF:687.9/53
Out: 6.477+/-0.225 χ²/NDF:845.7/57
All: 6.227+/-0.160 χ²/NDF: 1536.0/111

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: 7.612+/-0.297 χ^2/NDF: 7397.5/33

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

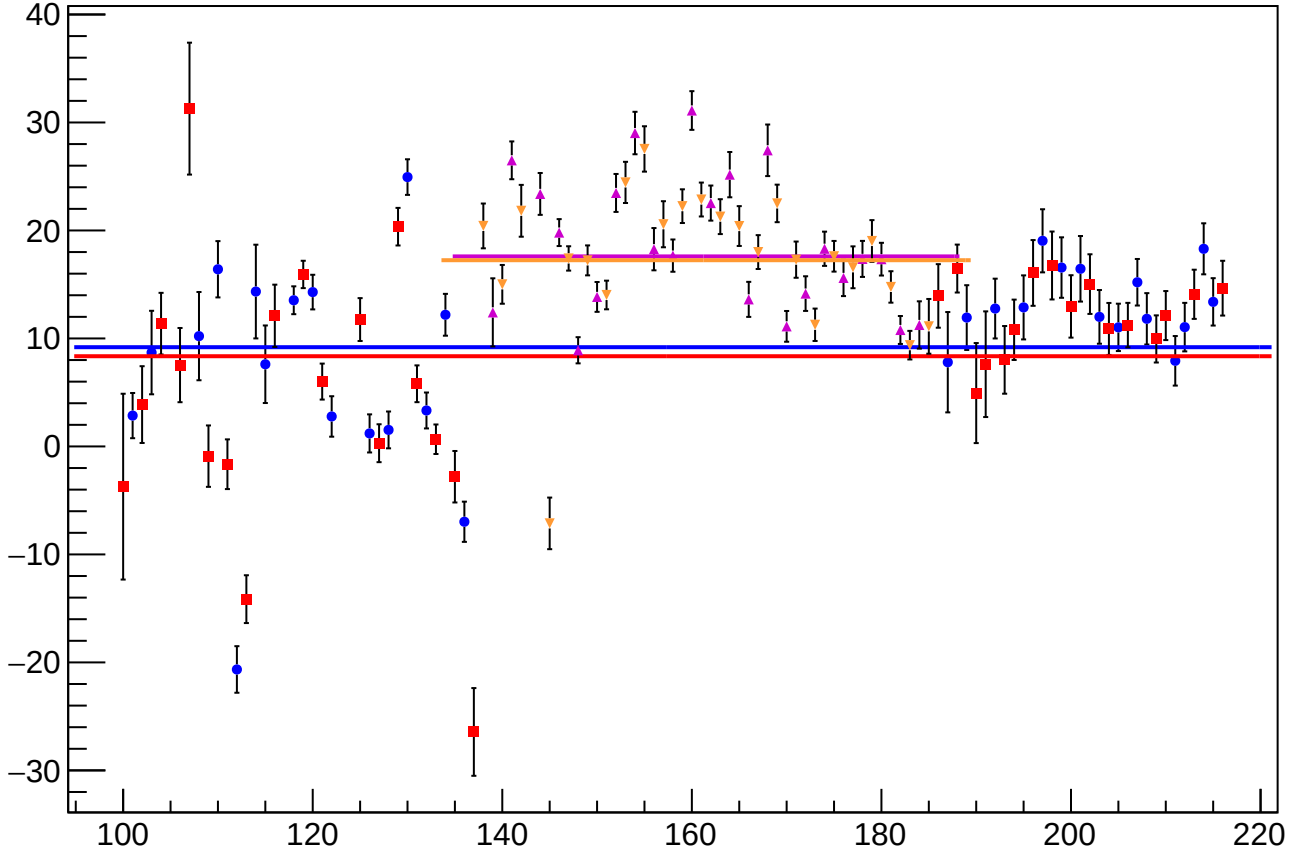
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 7.568+/-0.211 χ^2/NDF: 12996.7/64

In: 11.175+/-0.238 χ^2/NDF:6828.0/53

Out: 11.308+/-0.236 χ^2/NDF:8879.9/57

All: 11.242+/-0.168 χ^2/NDF: 15708.0/111



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: 8.354+/-0.401 χ^2/NDF: 450.8/33

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

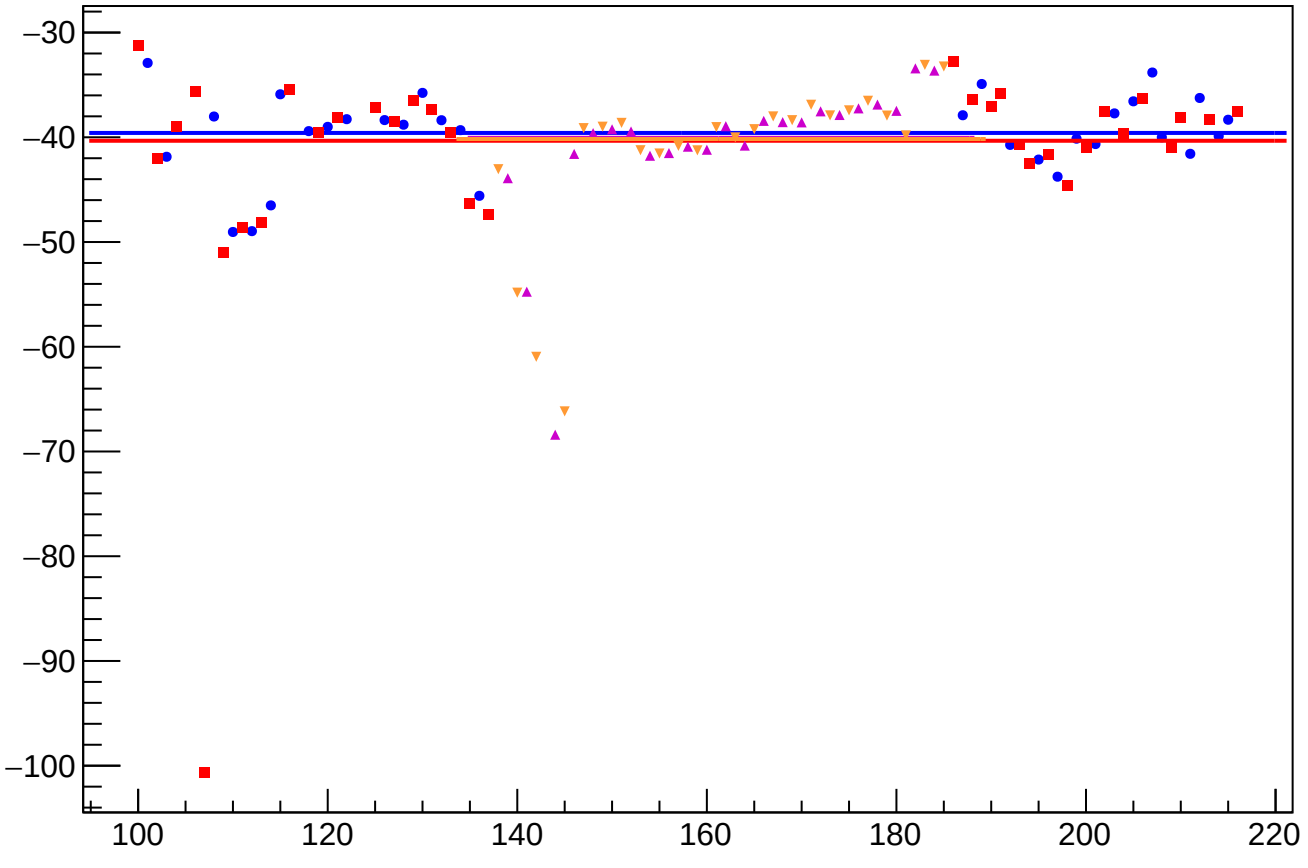
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.776+/-0.282 χ^2/NDF: 976.9/64

In: 14.007+/-0.259 χ^2/NDF:1091.3/53

Out: 13.546+/-0.258 χ^2/NDF:999.3/57

All: 13.776+/-0.183 χ^2/NDF: 2092.1/111



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: -40.332+/-0.020 χ^2/NDF: 73857.5/33

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

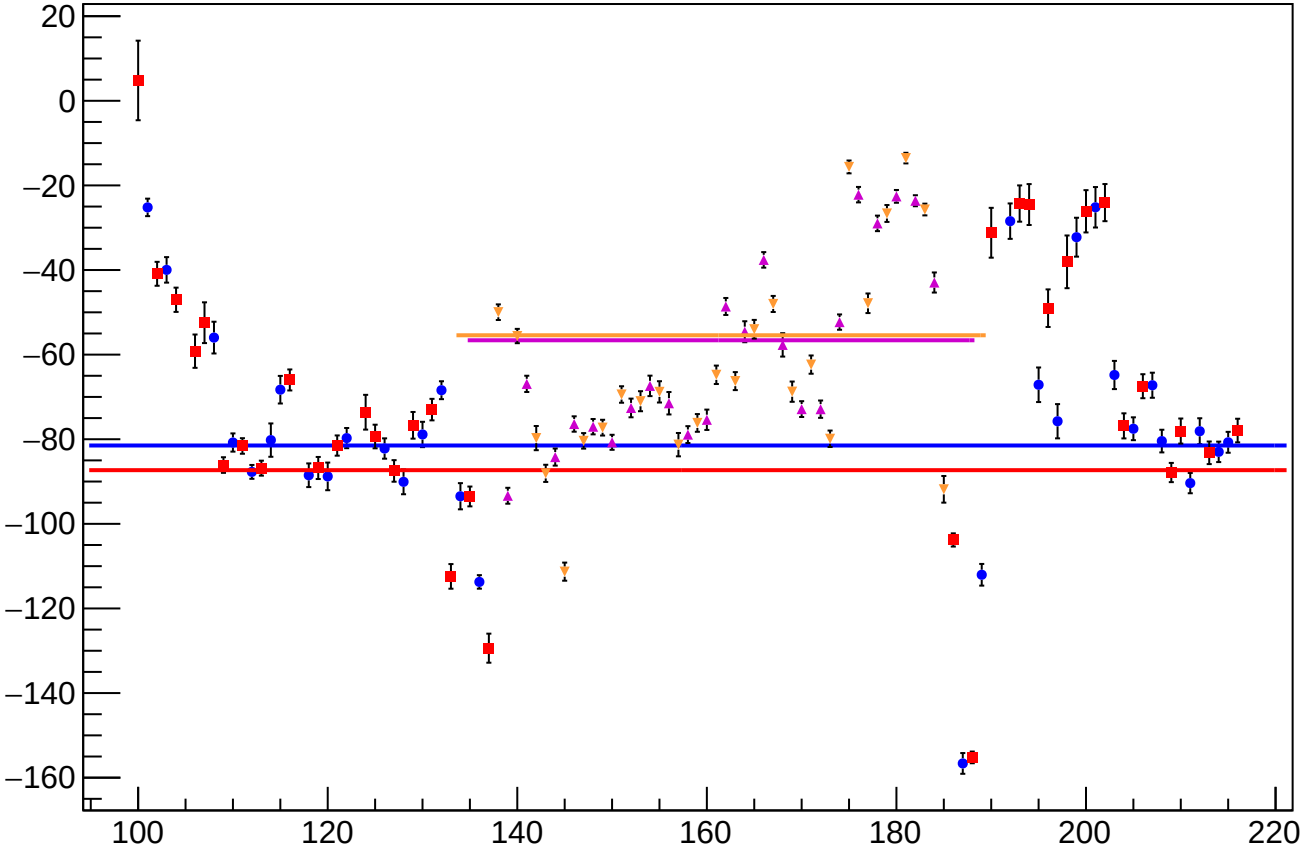
Right: -39.959+/-0.014 χ^2/NDF: 108417.4/64

In: -39.875+/-0.012 χ^2/NDF:170631.6/53

Out: -40.228+/-0.012 χ^2/NDF:237237.8/57

All: -40.051+/-0.009 χ^2/NDF: 408289.3/111

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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: -87.311+/-0.457 χ^2/NDF: 4627.2/33

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

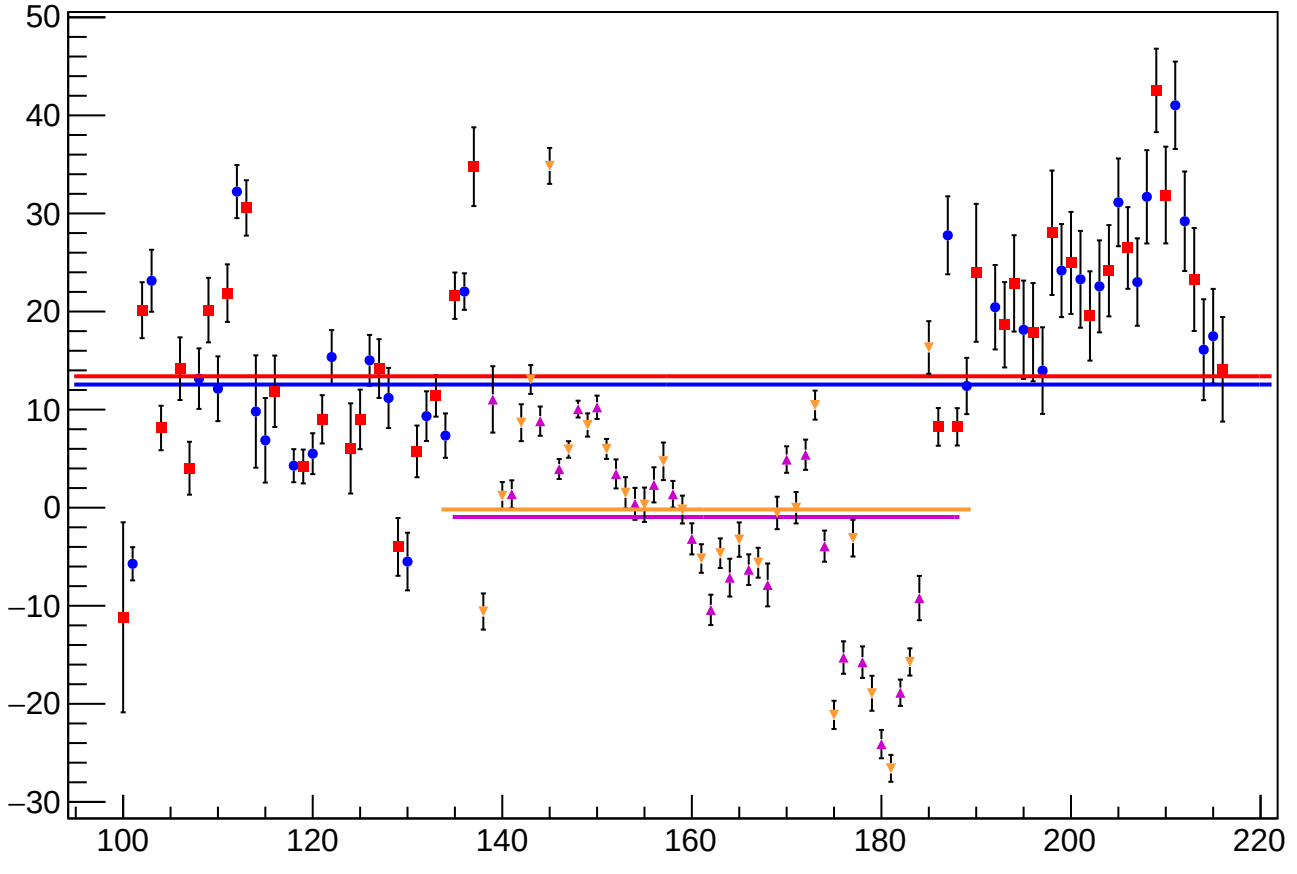
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.530+/-0.331 χ^2/NDF: 7767.1/64

In: -66.943+/-0.309 χ^2/NDF:7989.2/53

Out: -68.983+/-0.298 χ^2/NDF:11947.7/58

All: -67.998+/-0.214 χ^2/NDF: 19959.5/112



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: 13.398+/-0.531 χ^2/NDF: 314.9/33

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

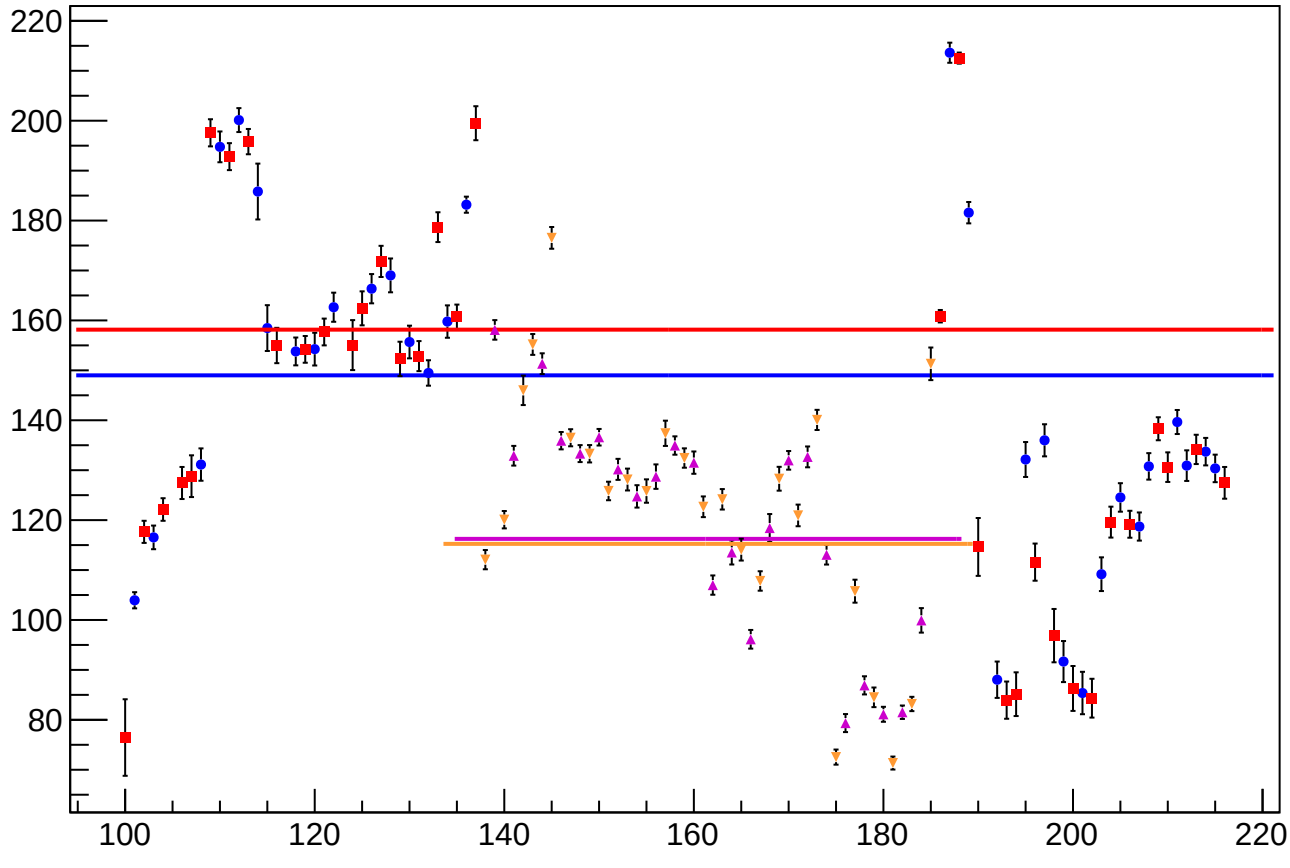
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 12.988+/-0.380 χ^2/NDF: 733.4/64

In: 2.254+/-0.266 χ^2/NDF:1955.2/53

Out: 3.009+/-0.257 χ^2/NDF:2413.8/58

All: 2.644+/-0.185 χ^2/NDF: 4373.2/112



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: 158.151+/-0.459 χ^2/NDF: 6389.7/33

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

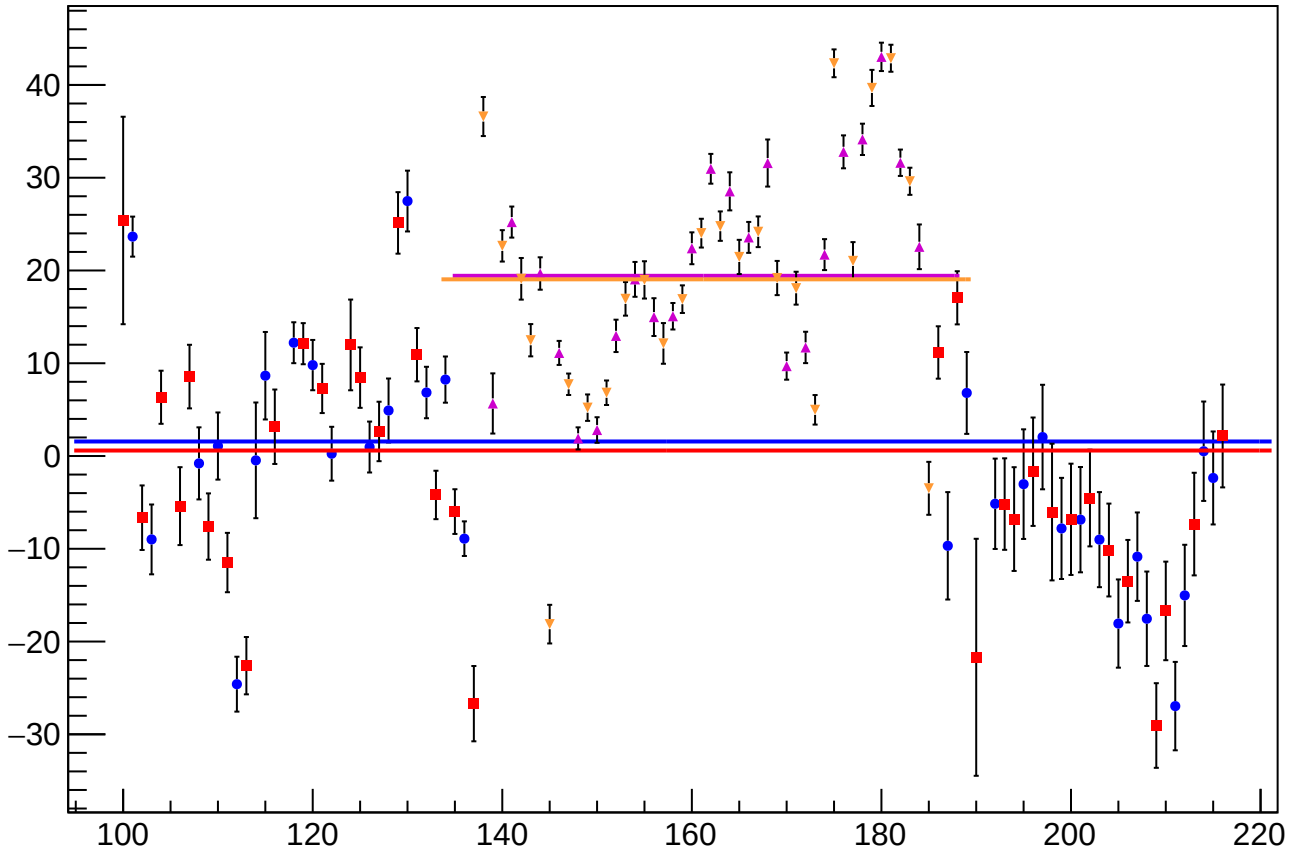
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 153.883+/-0.336 χ^2/NDF: 11352.6/64

In: 129.259+/-0.310 χ^2/NDF:11090.2/53

Out: 133.229+/-0.297 χ^2/NDF:16291.1/58

All: 131.325+/-0.215 χ^2/NDF: 27466.7/112



Right In: 1.566+/-0.629 χ^2/NDF: 432.9/30

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.592+/-0.627 χ^2/NDF: 391.9/33

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

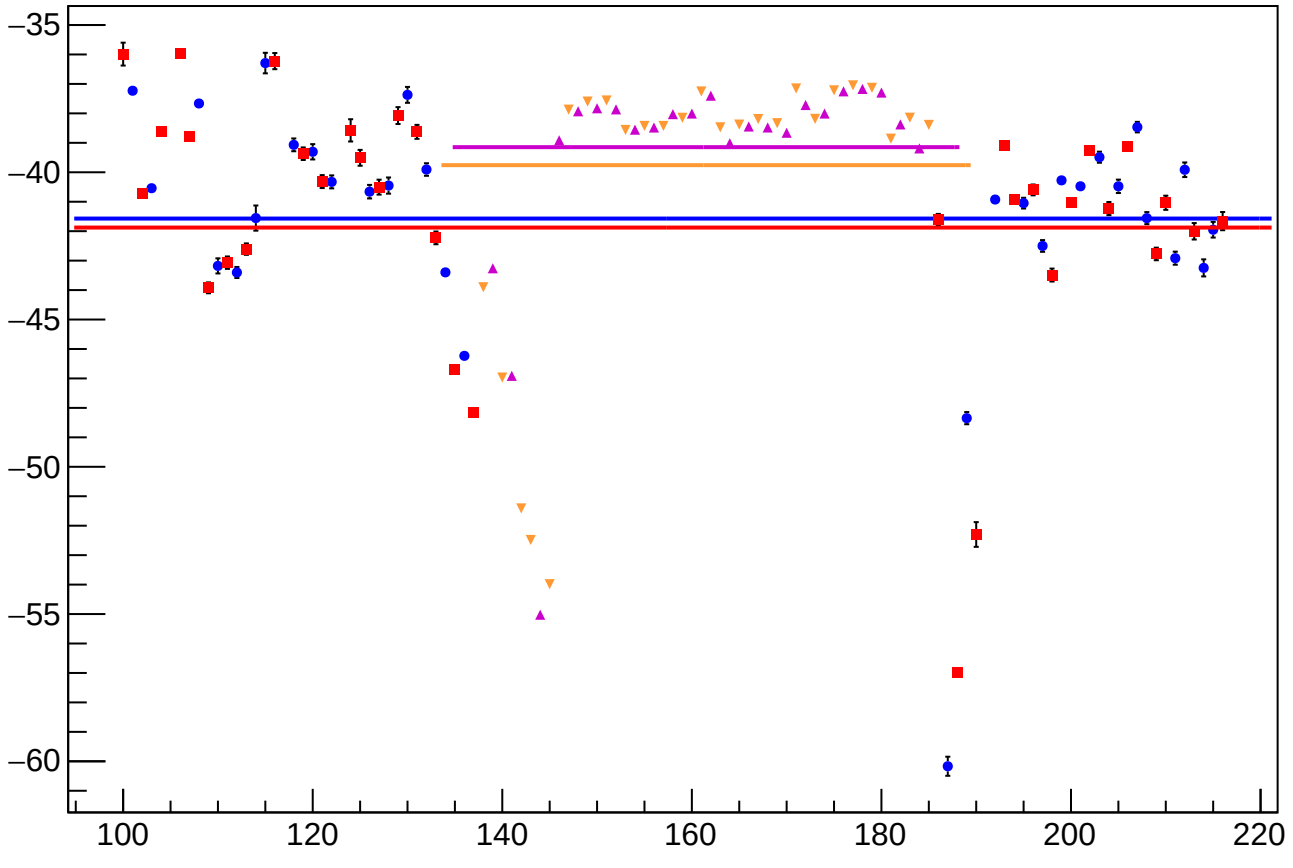
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 1.077+/-0.444 χ^2/NDF: 826.0/64

In: 15.283+/-0.303 χ^2/NDF:2129.1/53

Out: 14.923+/-0.296 χ^2/NDF:2611.1/58

All: 15.099+/-0.212 χ^2/NDF: 4740.9/112



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: -41.877+/-0.031 χ^2/NDF: 19763.0/33

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

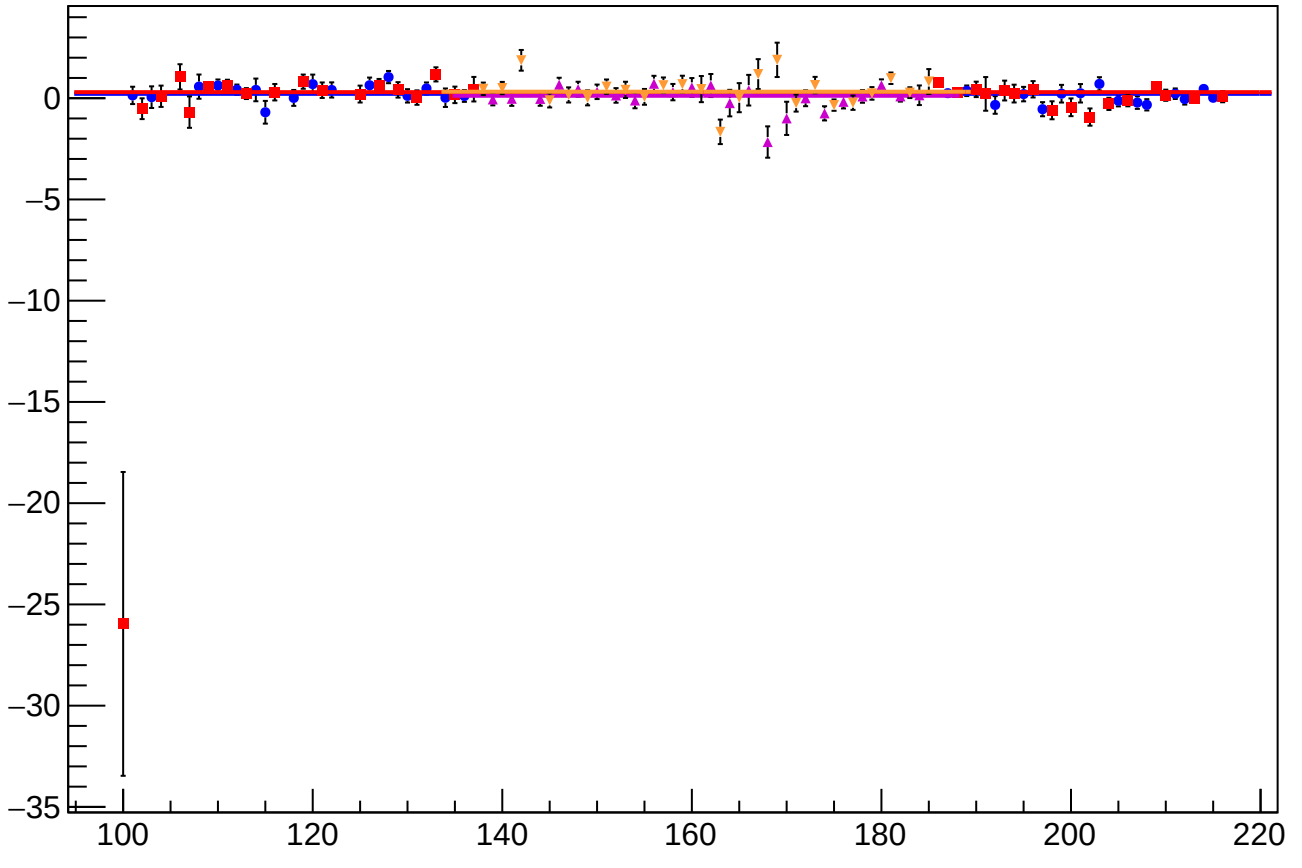
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.723+/-0.022 χ^2/NDF: 32819.6/64

In: -39.646+/-0.014 χ^2/NDF:64879.1/53

Out: -40.179+/-0.014 χ^2/NDF:105371.8/58

All: -39.914+/-0.010 χ^2/NDF: 170989.5/112



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: 0.299+/-0.054 χ^2/NDF: 64.3/33

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

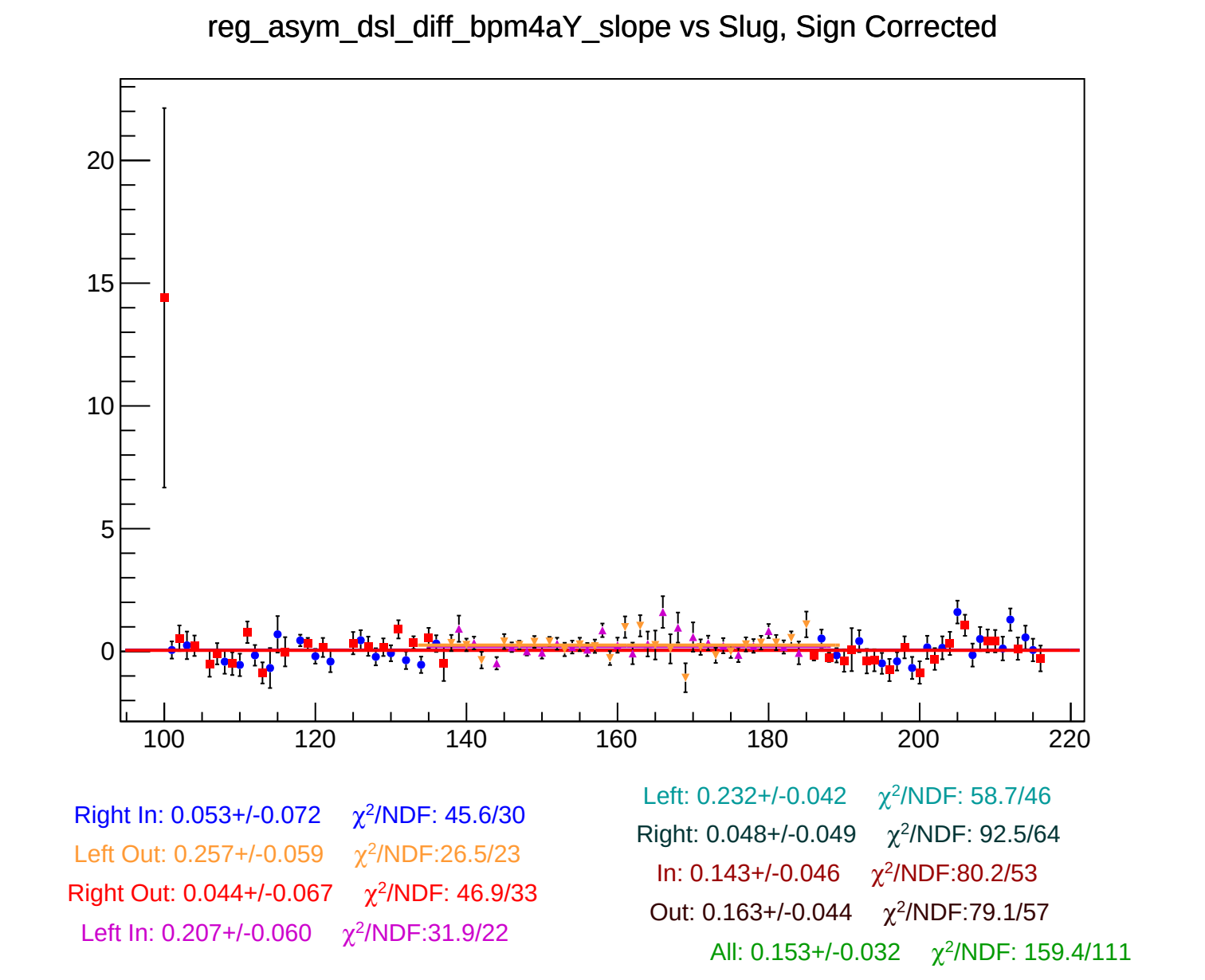
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

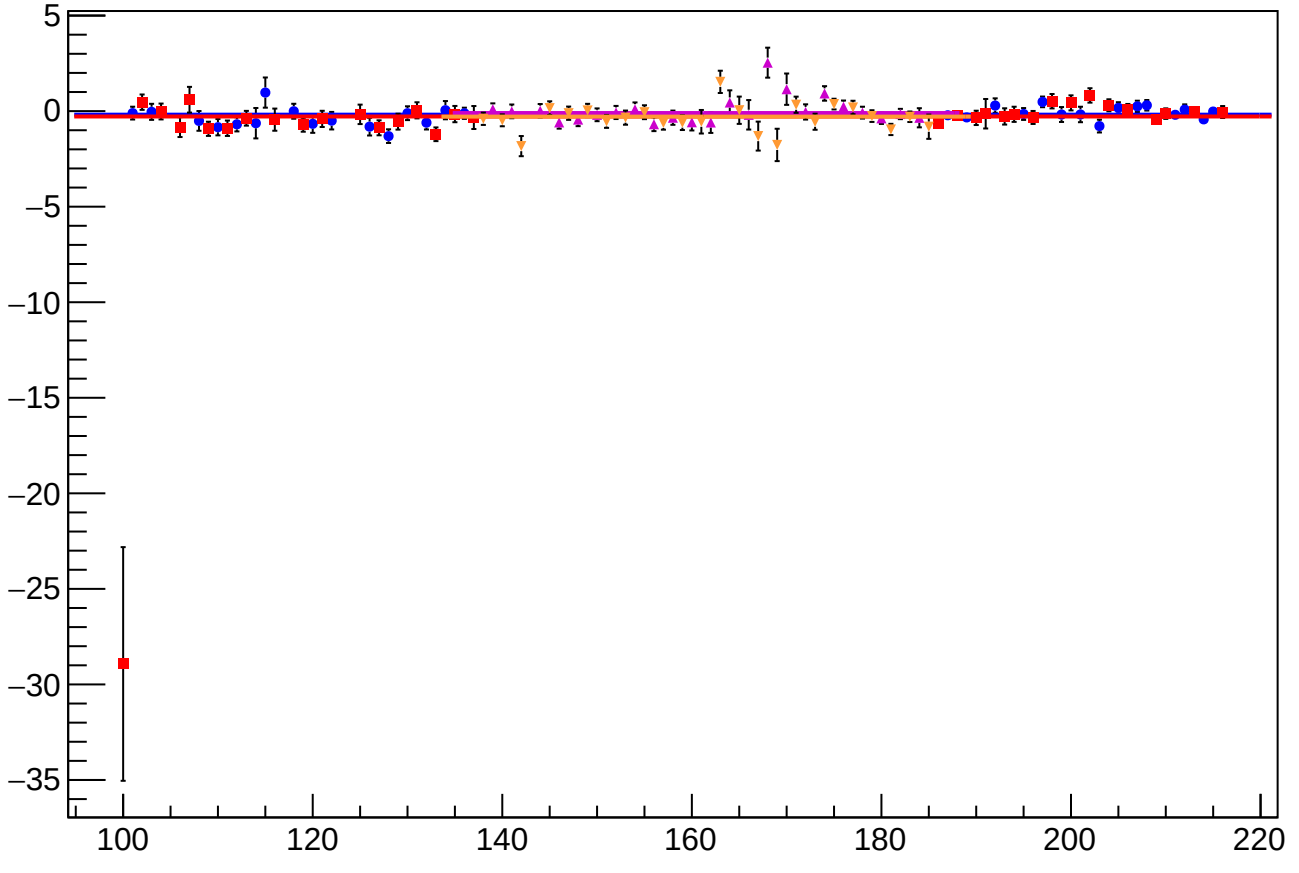
Right: 0.260+/-0.040 χ^2/NDF: 101.5/64

In: 0.182+/-0.047 χ^2/NDF:67.0/53

Out: 0.306+/-0.045 χ^2/NDF:111.2/57

All: 0.247+/-0.032 χ^2/NDF: 181.9/111


reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
100
120
140
160
180
200
220
Right In: 0.053+/-0.072 χ²/NDF: 45.6/30
Left Out: 0.257+/-0.059 χ²/NDF:26.5/23
Right Out: 0.044+/-0.067 χ²/NDF: 46.9/33
Left In: 0.207+/-0.060 χ²/NDF:31.9/22
Left: 0.232+/-0.042 χ²/NDF: 58.7/46
Right: 0.048+/-0.049 χ²/NDF: 92.5/64
In: 0.143+/-0.046 χ²/NDF:80.2/53
Out: 0.163+/-0.044 χ²/NDF:79.1/57
All: 0.153+/-0.032 χ²/NDF: 159.4/111



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: -0.280+/-0.052 χ^2/NDF: 77.4/33

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

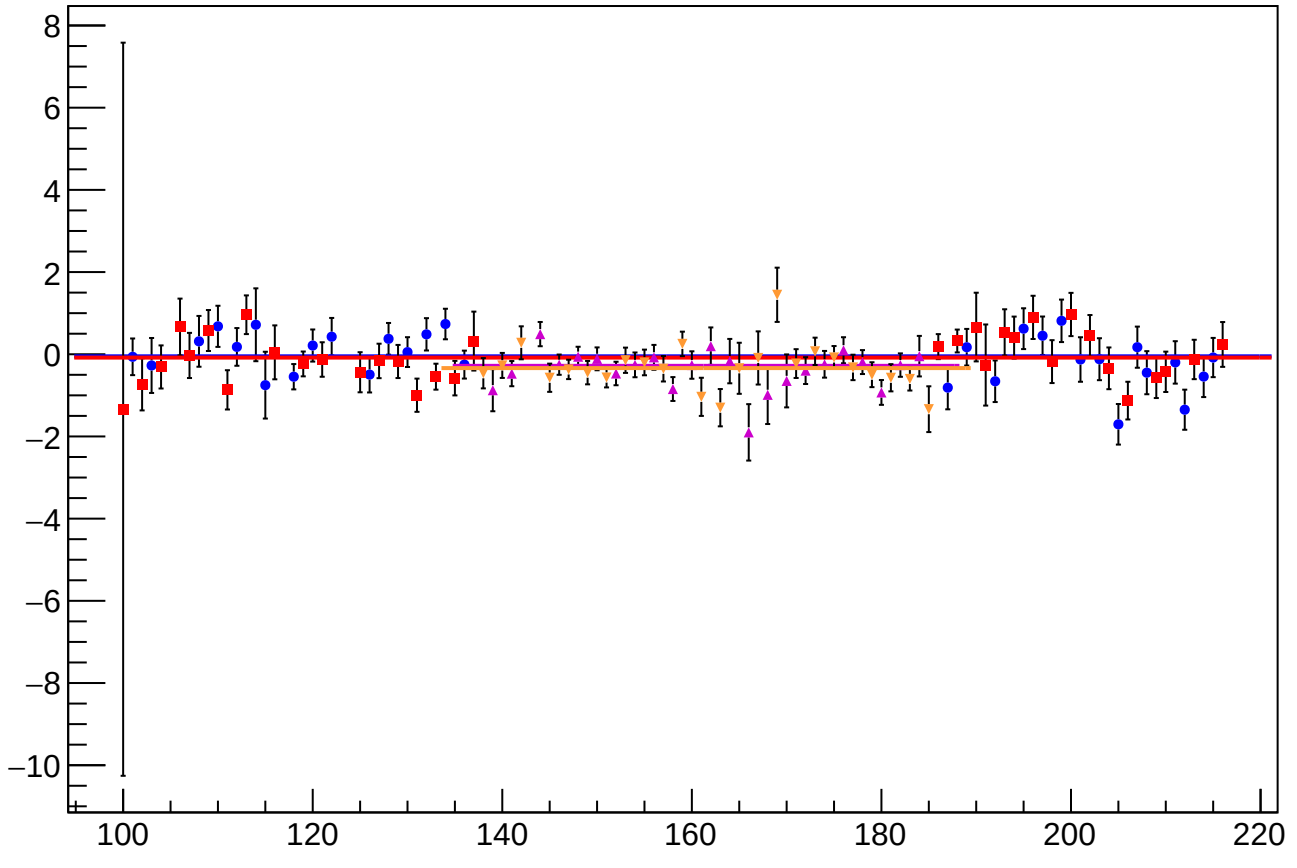
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.238+/-0.039 χ^2/NDF: 121.2/64

In: -0.155+/-0.047 χ^2/NDF:76.3/53

Out: -0.282+/-0.043 χ^2/NDF:122.5/57

All: -0.224+/-0.032 χ^2/NDF: 202.8/111



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: -0.081+/-0.080 χ^2/NDF: 43.4/33

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

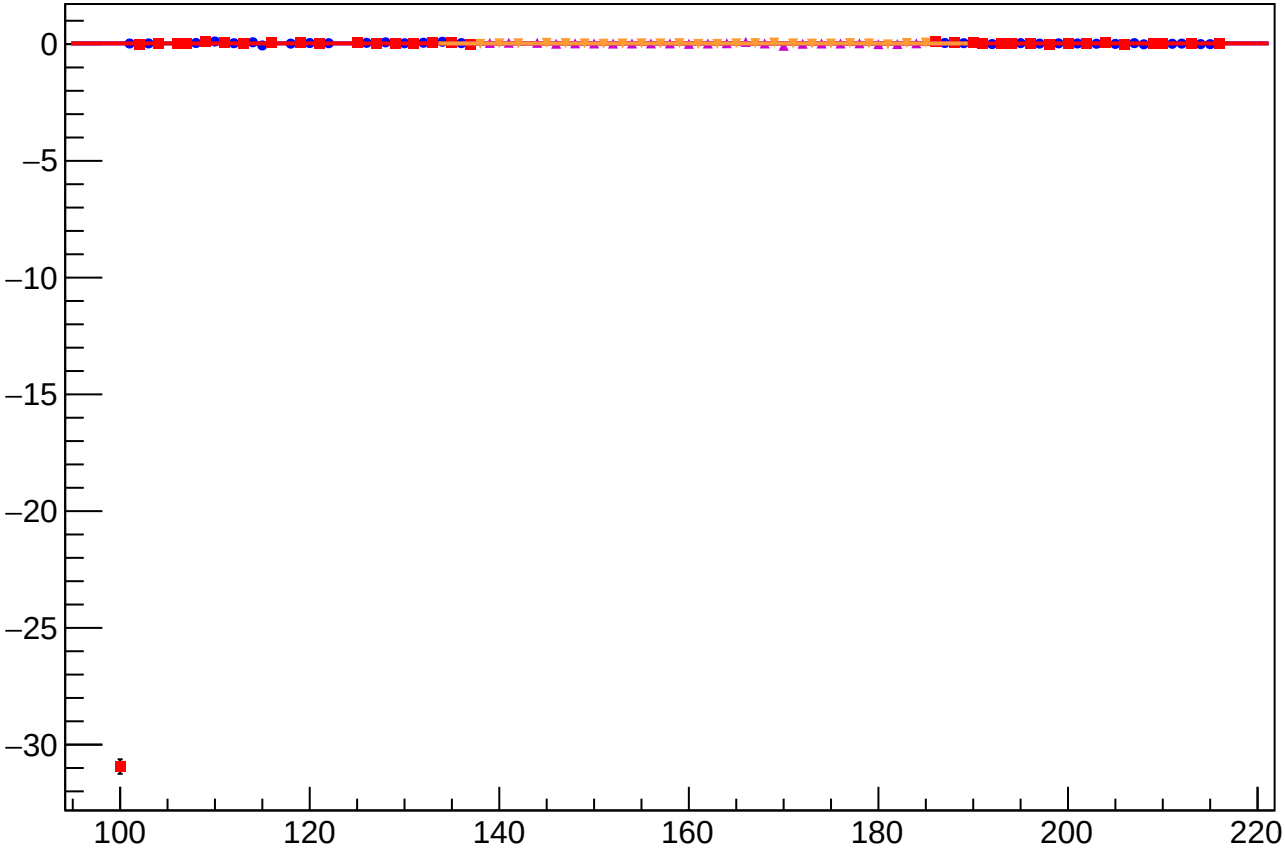
Right: -0.066+/-0.058 χ^2/NDF: 90.7/64

In: -0.187+/-0.053 χ^2/NDF:80.8/53

Out: -0.230+/-0.052 χ^2/NDF:79.4/57

All: -0.209+/-0.037 χ^2/NDF: 160.6/111

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



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: 10055.9/33

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

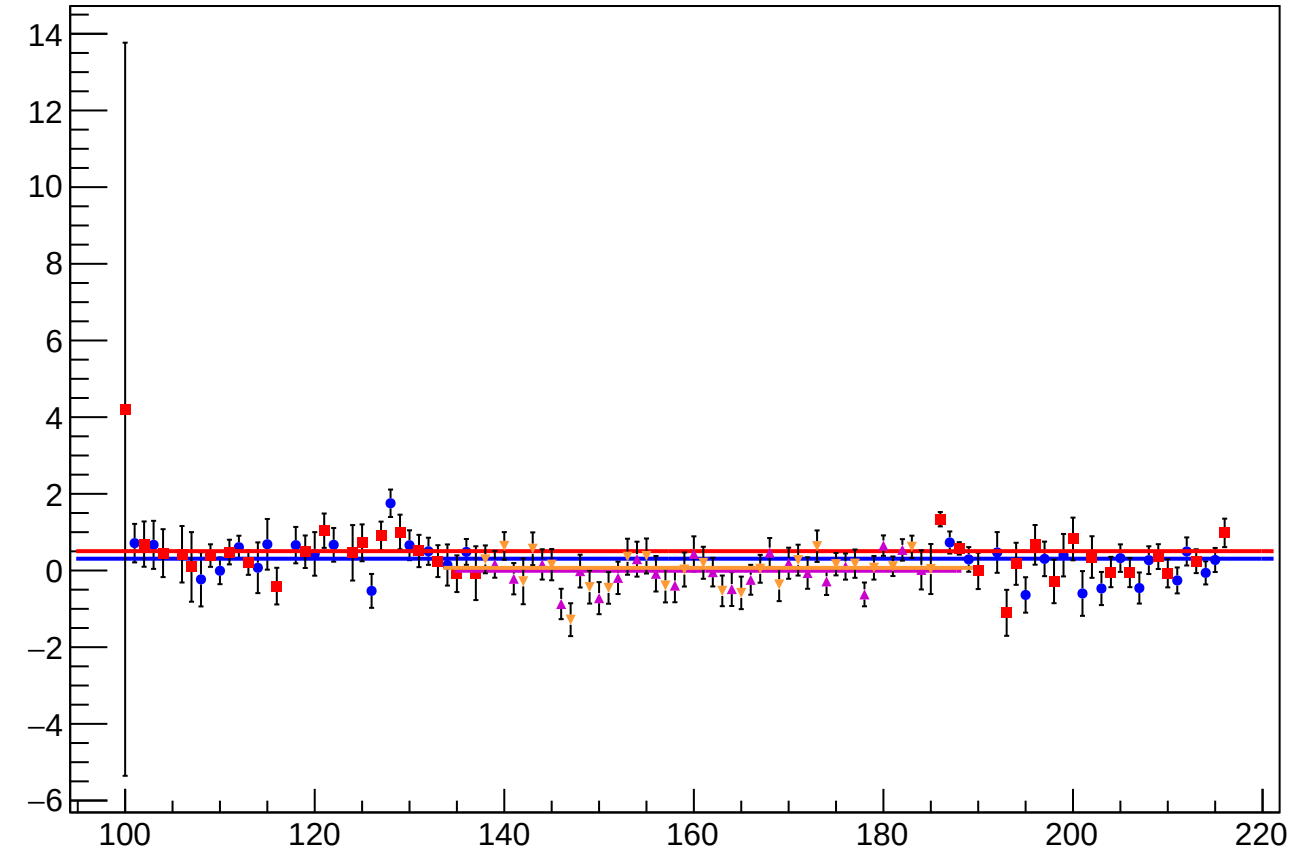
Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

Right: 0.031+/-0.003 χ^2/NDF: 10096.7/64

In: 0.031+/-0.002 χ^2/NDF:79.9/53

Out: 0.029+/-0.002 χ^2/NDF:10083.7/57

All: 0.030+/-0.002 χ^2/NDF: 10163.9/111



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: 0.505+/-0.066 χ^2/NDF: 52.0/33

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

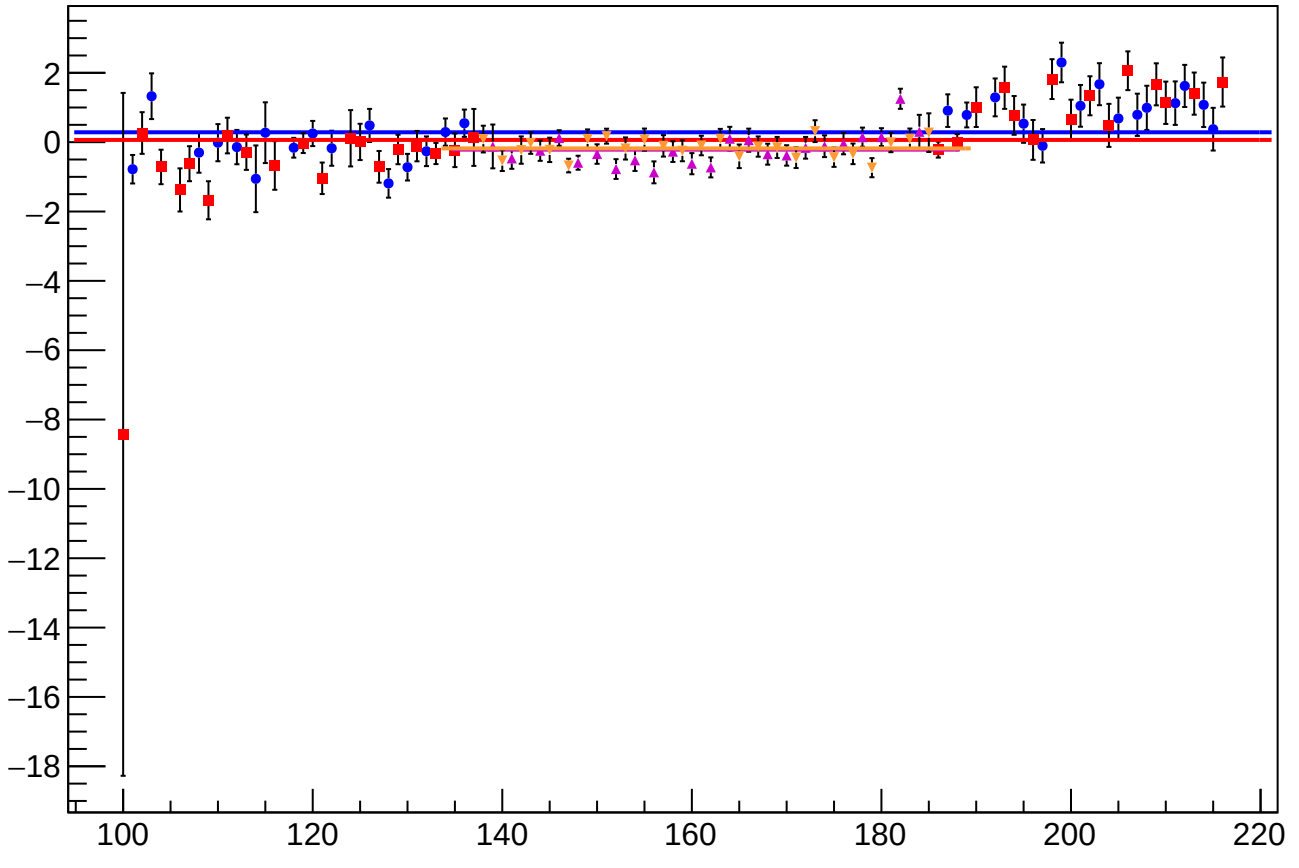
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.415+/-0.049 χ^2/NDF: 102.8/64

In: 0.165+/-0.054 χ^2/NDF:83.8/53

Out: 0.321+/-0.050 χ^2/NDF:101.5/58

All: 0.248+/-0.037 χ^2/NDF: 189.8/112



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: 0.065+/-0.080 χ^2/NDF: 94.9/33

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

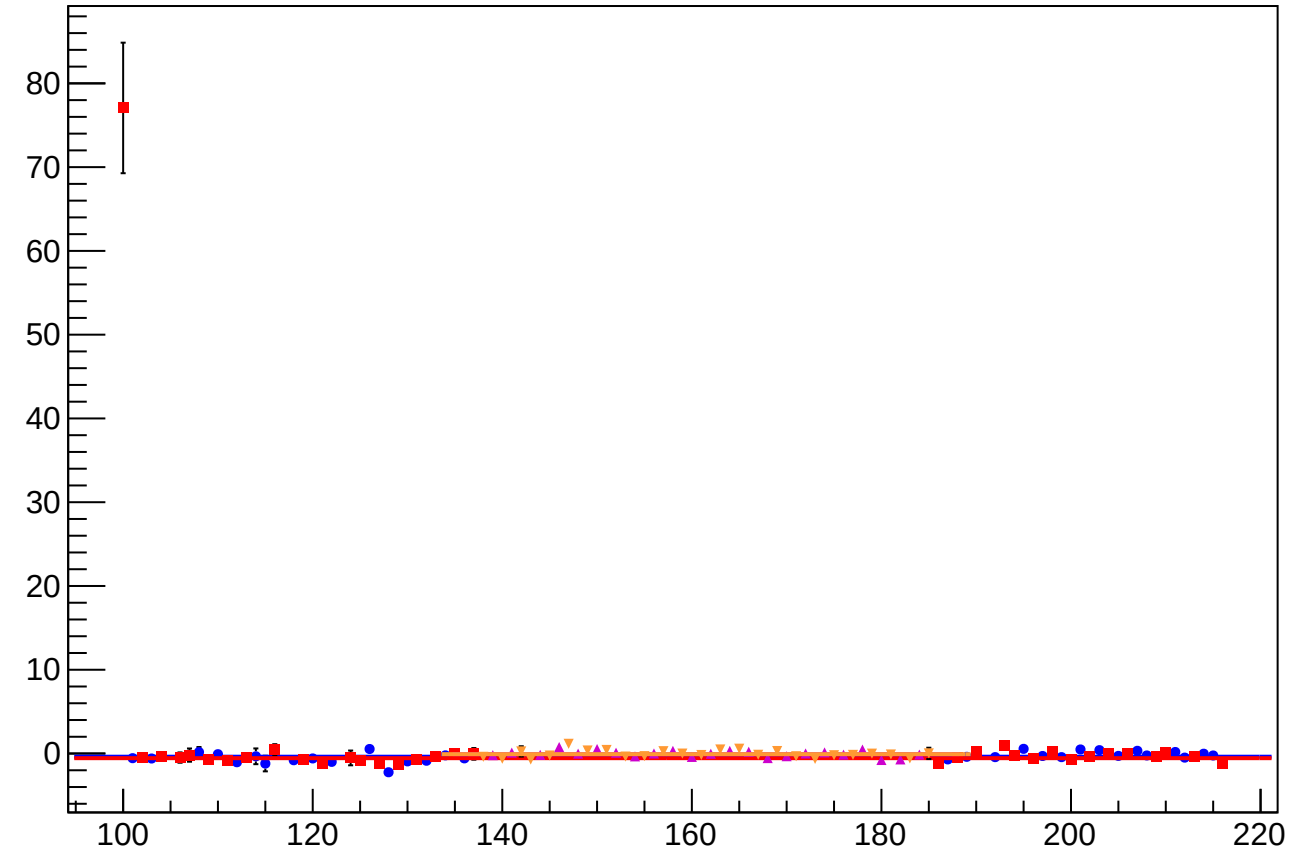
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.165+/-0.059 χ^2/NDF: 174.5/64

In: -0.050+/-0.050 χ^2/NDF:151.7/53

Out: -0.094+/-0.048 χ^2/NDF:125.6/58

All: -0.073+/-0.035 χ^2/NDF: 277.7/112



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: -0.556+/-0.064 χ^2/NDF: 151.5/33

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

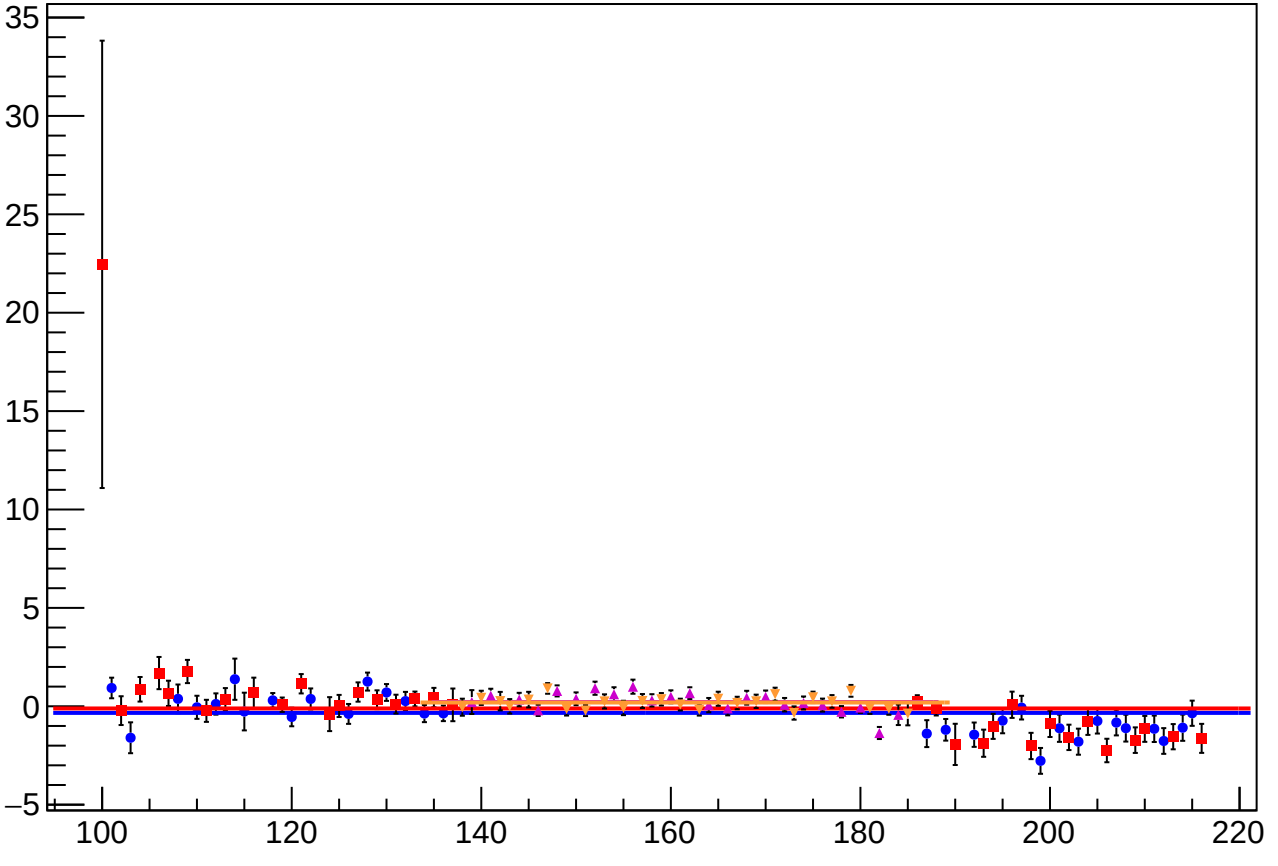
Right: -0.481+/-0.048 χ^2/NDF: 208.1/64

In: -0.239+/-0.054 χ^2/NDF:89.8/53

Out: -0.360+/-0.049 χ^2/NDF:204.5/58

All: -0.305+/-0.036 χ^2/NDF: 297.1/112

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: -0.111+/-0.097 χ^2/NDF: 97.7/33

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

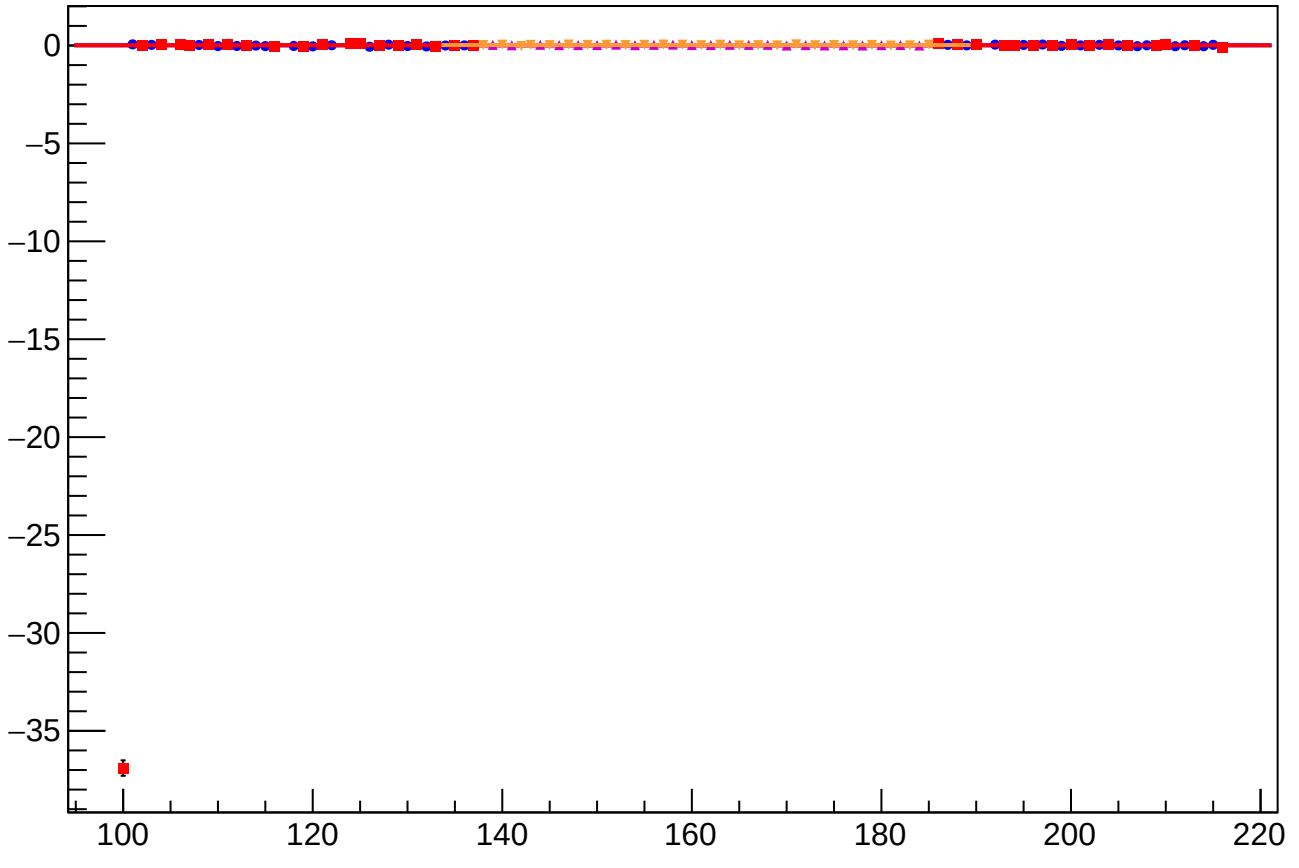
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.218+/-0.070 χ^2/NDF: 176.1/64

In: 0.040+/-0.057 χ^2/NDF:151.1/53

Out: 0.095+/-0.055 χ^2/NDF:130.2/58

All: 0.069+/-0.040 χ^2/NDF: 281.8/112



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: 0.013+/-0.005 χ^2/NDF: 8793.3/33

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

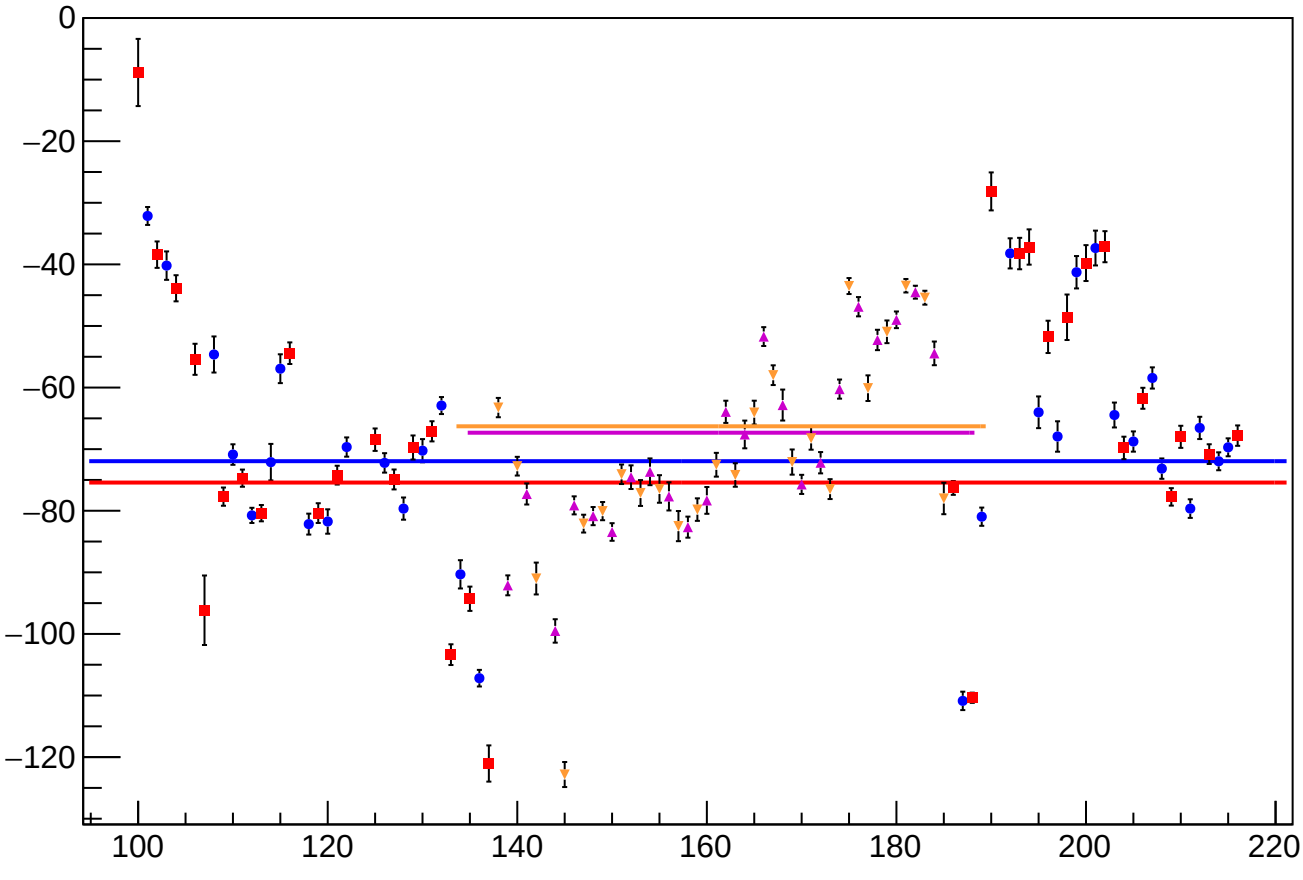
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.011+/-0.003 χ^2/NDF: 8830.4/64

In: 0.020+/-0.003 χ^2/NDF:61.5/53

Out: 0.021+/-0.003 χ^2/NDF:8827.5/58

All: 0.020+/-0.002 χ^2/NDF: 8889.1/112



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: -75.423+/-0.305 χ^2/NDF: 4617.1/32

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

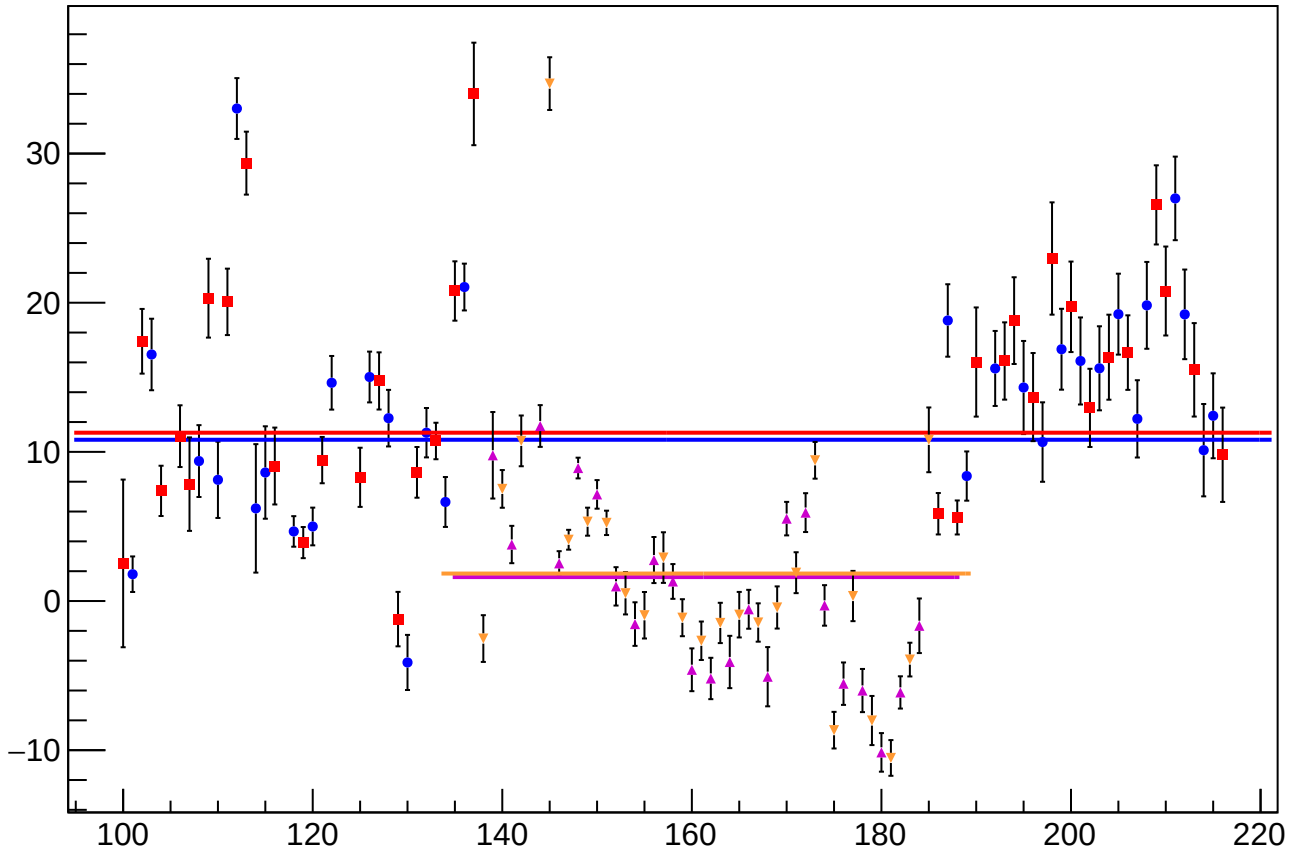
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.747+/-0.220 χ^2/NDF: 7935.7/63

In: -69.845+/-0.233 χ^2/NDF:5456.3/53

Out: -71.397+/-0.228 χ^2/NDF:7562.2/56

All: -70.637+/-0.163 χ^2/NDF: 13041.1/110



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: 11.285+/-0.354 χ^2/NDF: 414.4/32

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

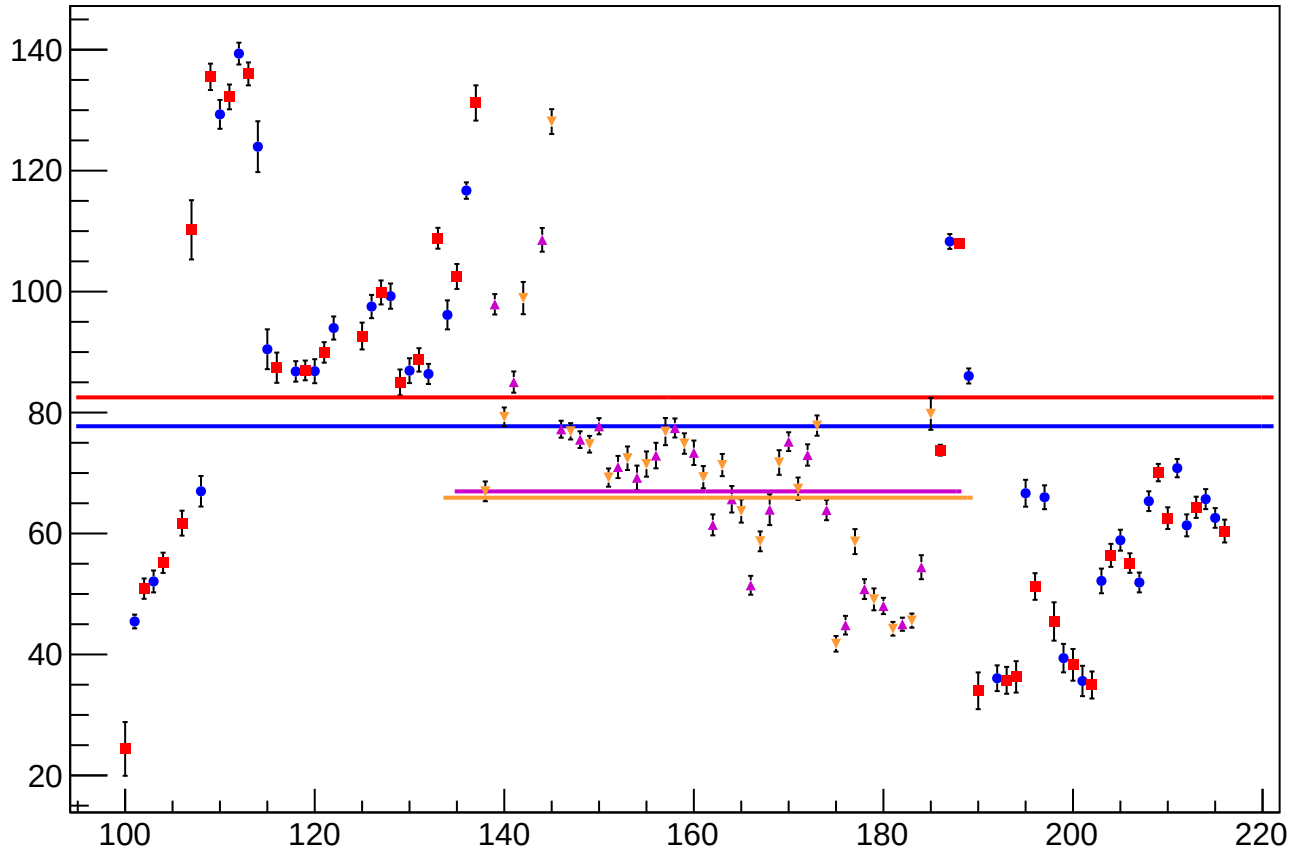
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 11.052+/-0.252 χ^2/NDF: 872.7/63

In: 4.737+/-0.210 χ^2/NDF:1385.8/53

Out: 5.056+/-0.207 χ^2/NDF:1664.8/56

All: 4.899+/-0.147 χ^2/NDF: 3051.7/110



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: 82.509+/-0.302 χ^2/NDF: 8214.2/32

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

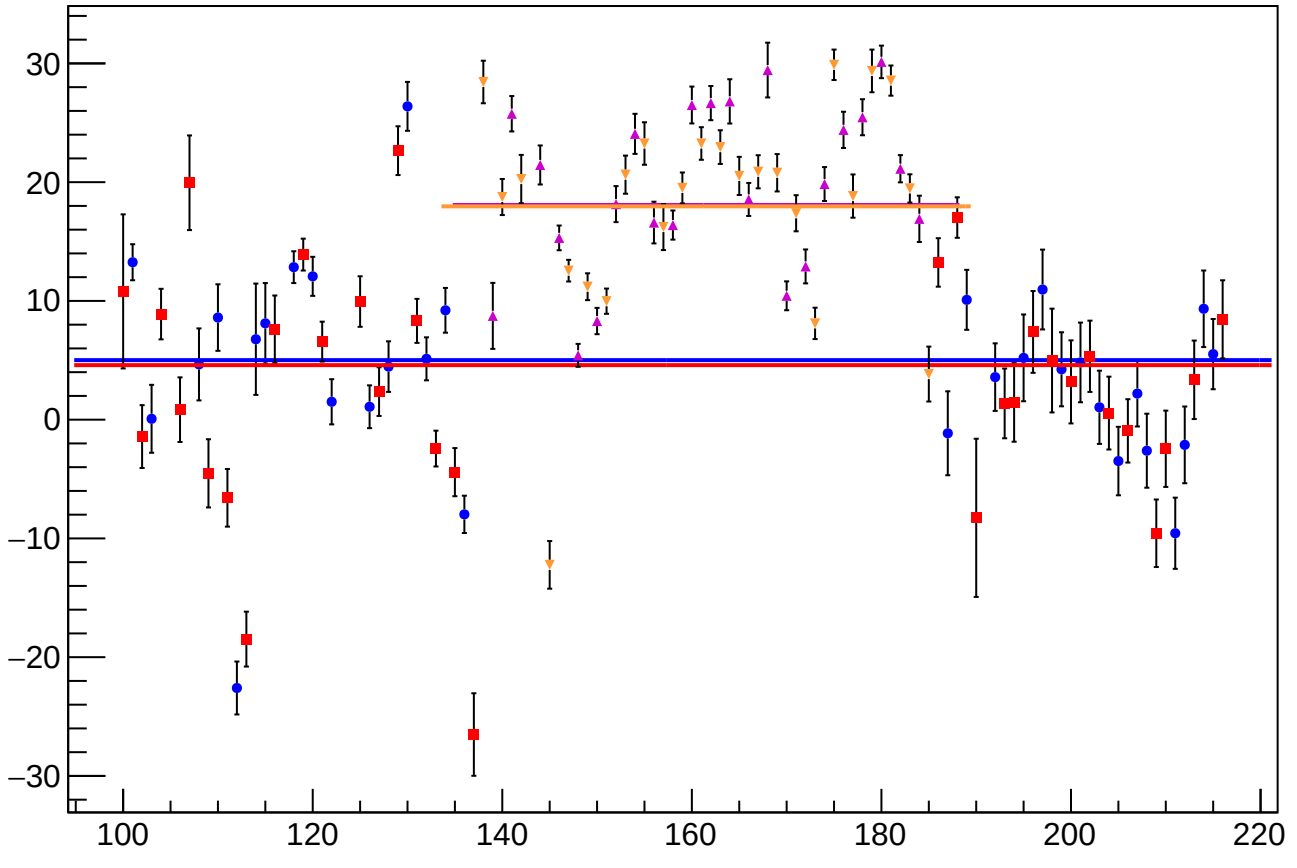
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 80.270+/-0.220 χ^2/NDF: 14861.2/63

In: 72.673+/-0.234 χ^2/NDF:9279.2/53

Out: 75.206+/-0.226 χ^2/NDF:12097.7/56

All: 73.983+/-0.163 χ^2/NDF: 21437.7/110



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: 4.593+/-0.421 χ^2/NDF: 533.8/32

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

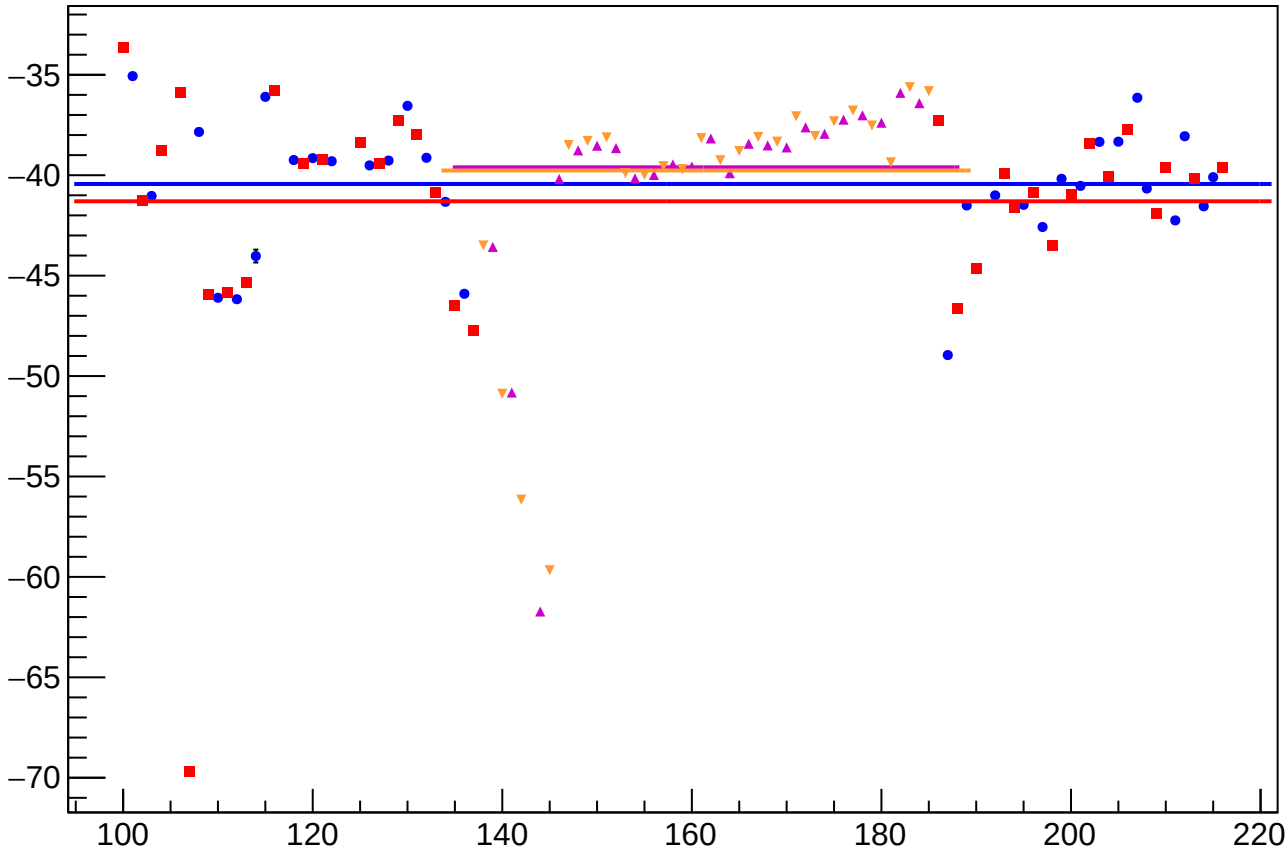
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 4.805+/-0.297 χ^2/NDF: 1023.0/63

In: 13.761+/-0.241 χ^2/NDF:1742.6/53

Out: 13.620+/-0.240 χ^2/NDF:1947.2/56

All: 13.690+/-0.170 χ^2/NDF: 3690.0/110



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: -41.299+/-0.021 χ^2/NDF: 44913.0/32

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

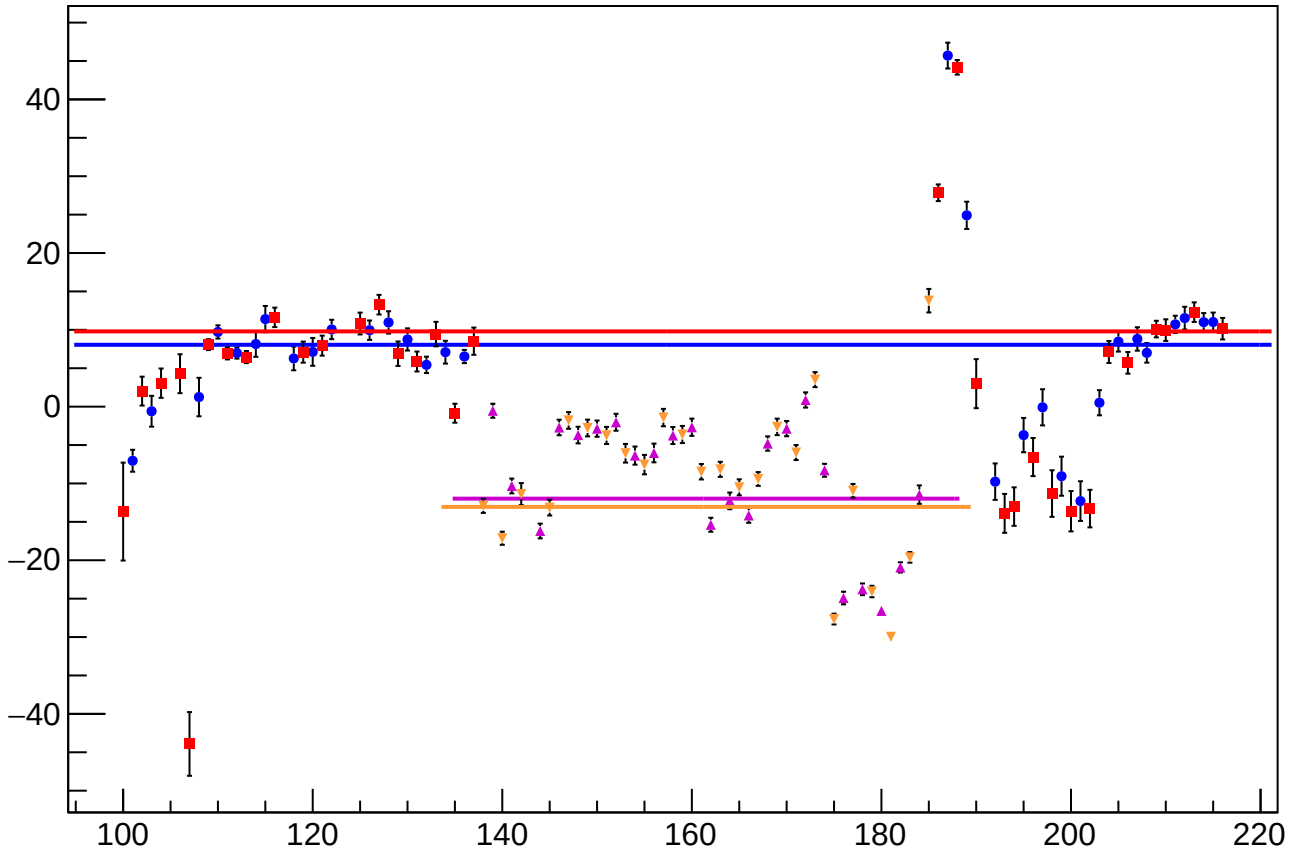
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.865+/-0.015 χ^2/NDF: 69107.3/63

In: -39.850+/-0.011 χ^2/NDF:131107.8/53

Out: -40.216+/-0.011 χ^2/NDF:178618.5/56

All: -40.032+/-0.008 χ^2/NDF: 310252.5/110



Right In: 8.051+/-0.245 χ^2/NDF: 1008.1/30

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.796+/-0.238 χ^2/NDF: 2391.4/32

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

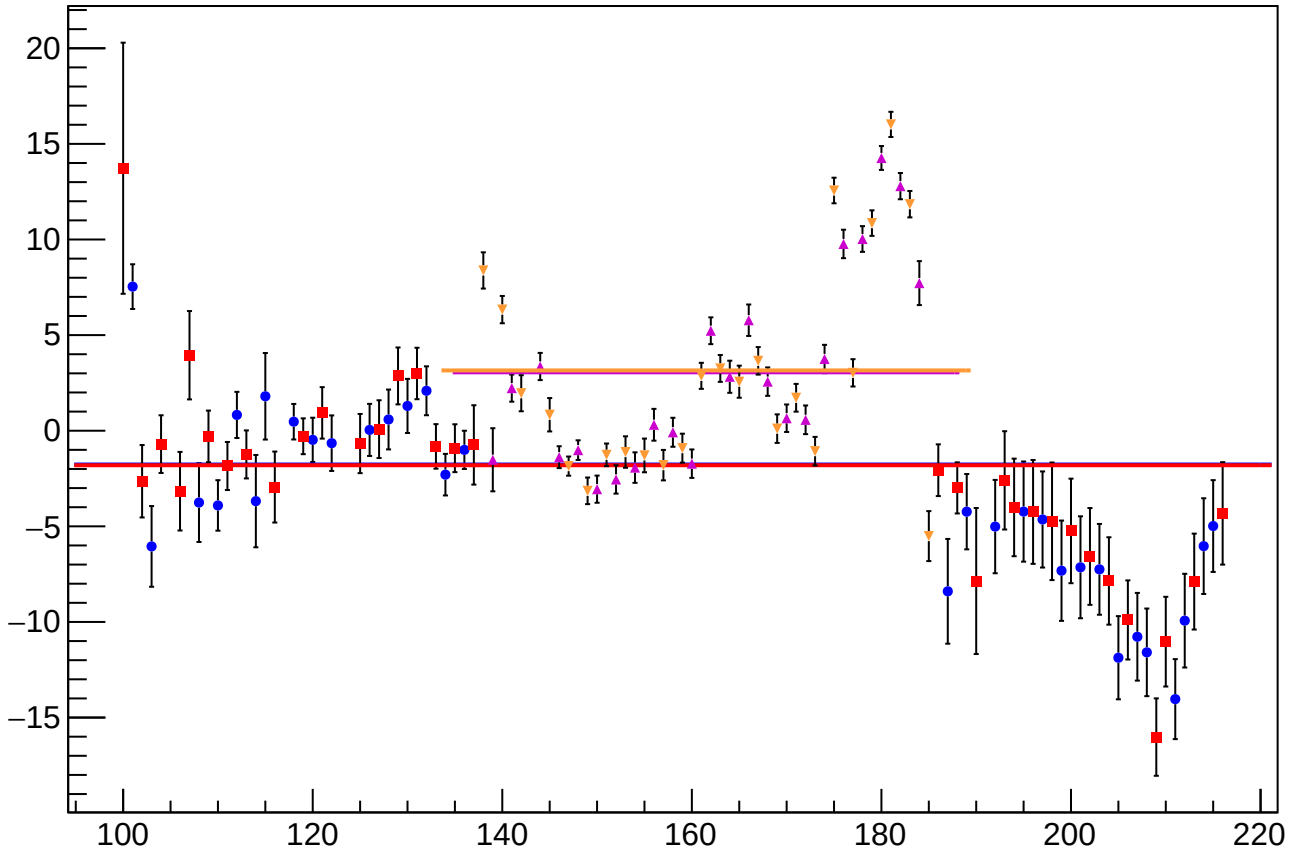
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.951+/-0.171 χ^2/NDF: 3425.6/63

In: -4.196+/-0.153 χ^2/NDF:7263.4/53

Out: -3.996+/-0.150 χ^2/NDF:10829.7/56

All: -4.094+/-0.107 χ^2/NDF: 18094.0/110



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: -1.805+/-0.294 χ^2/NDF: 152.6/32

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

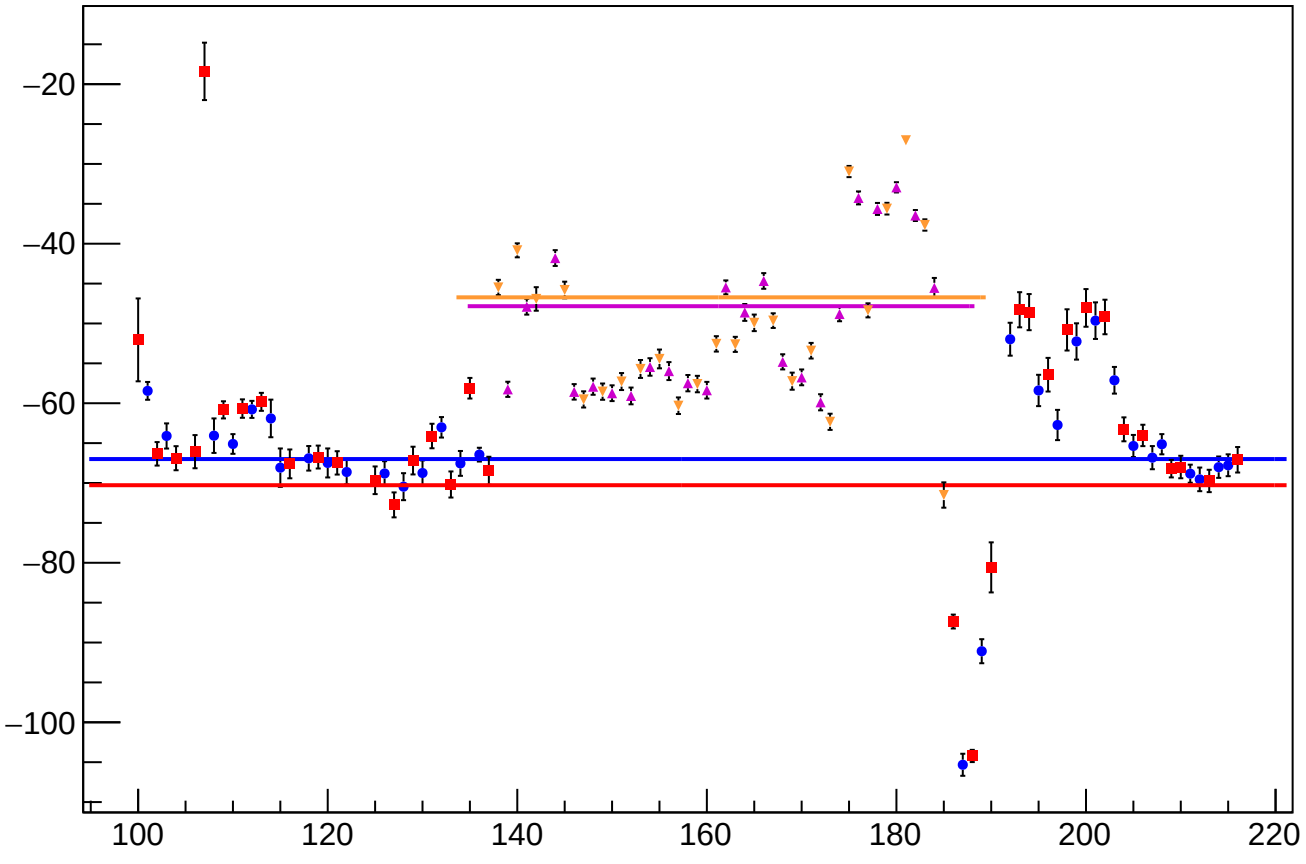
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.787+/-0.207 χ^2/NDF: 388.5/63

In: 2.025+/-0.135 χ^2/NDF:1595.8/53

Out: 2.137+/-0.133 χ^2/NDF:1764.3/56

All: 2.082+/-0.095 χ^2/NDF: 3360.4/110



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: -70.277+/-0.256 χ^2/NDF: 3479.1/32

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

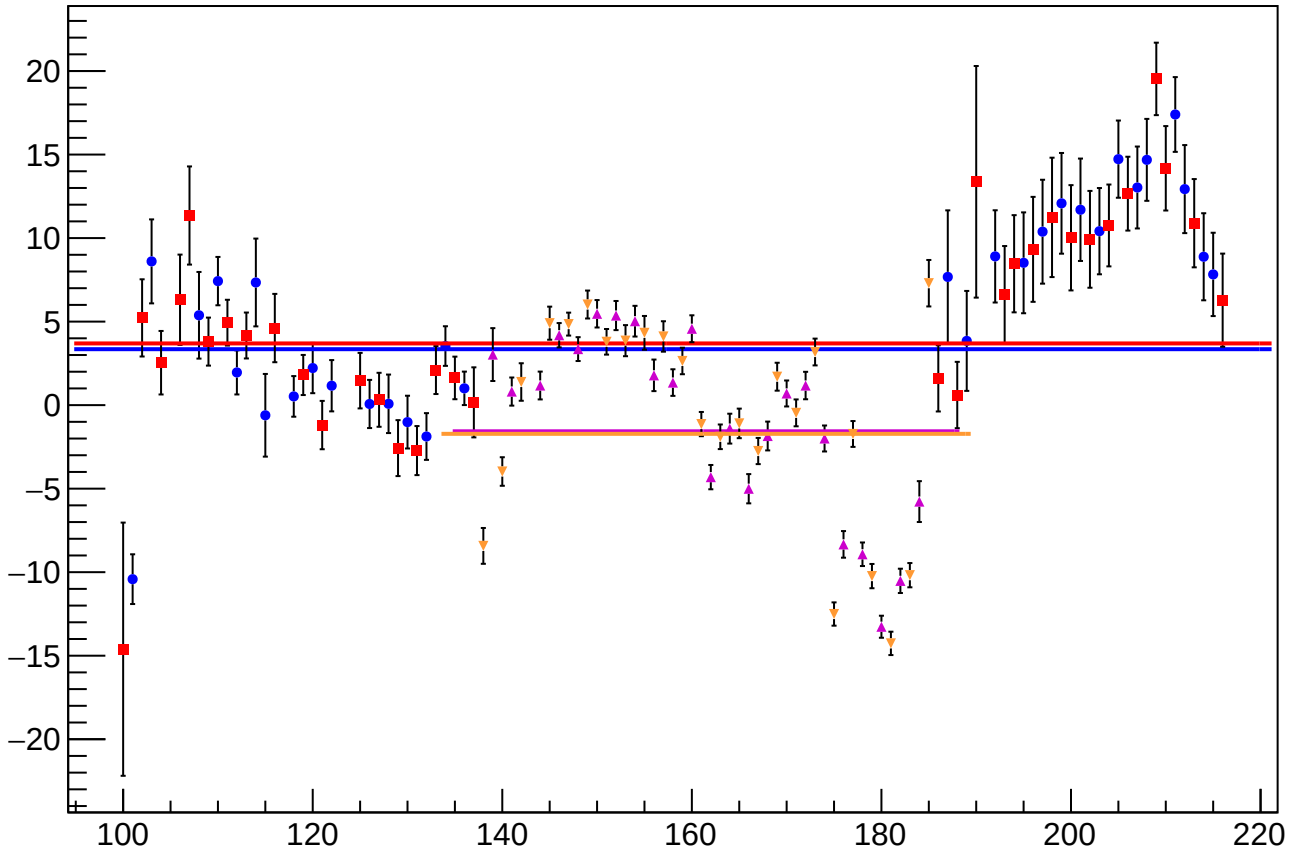
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.683+/-0.184 χ^2/NDF: 4928.4/63

In: -54.565+/-0.156 χ^2/NDF:7359.1/53

Out: -55.166+/-0.153 χ^2/NDF:12344.3/56

All: -54.871+/-0.109 χ^2/NDF: 19711.0/110



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: 3.693+/-0.338 χ^2/NDF: 204.4/32

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

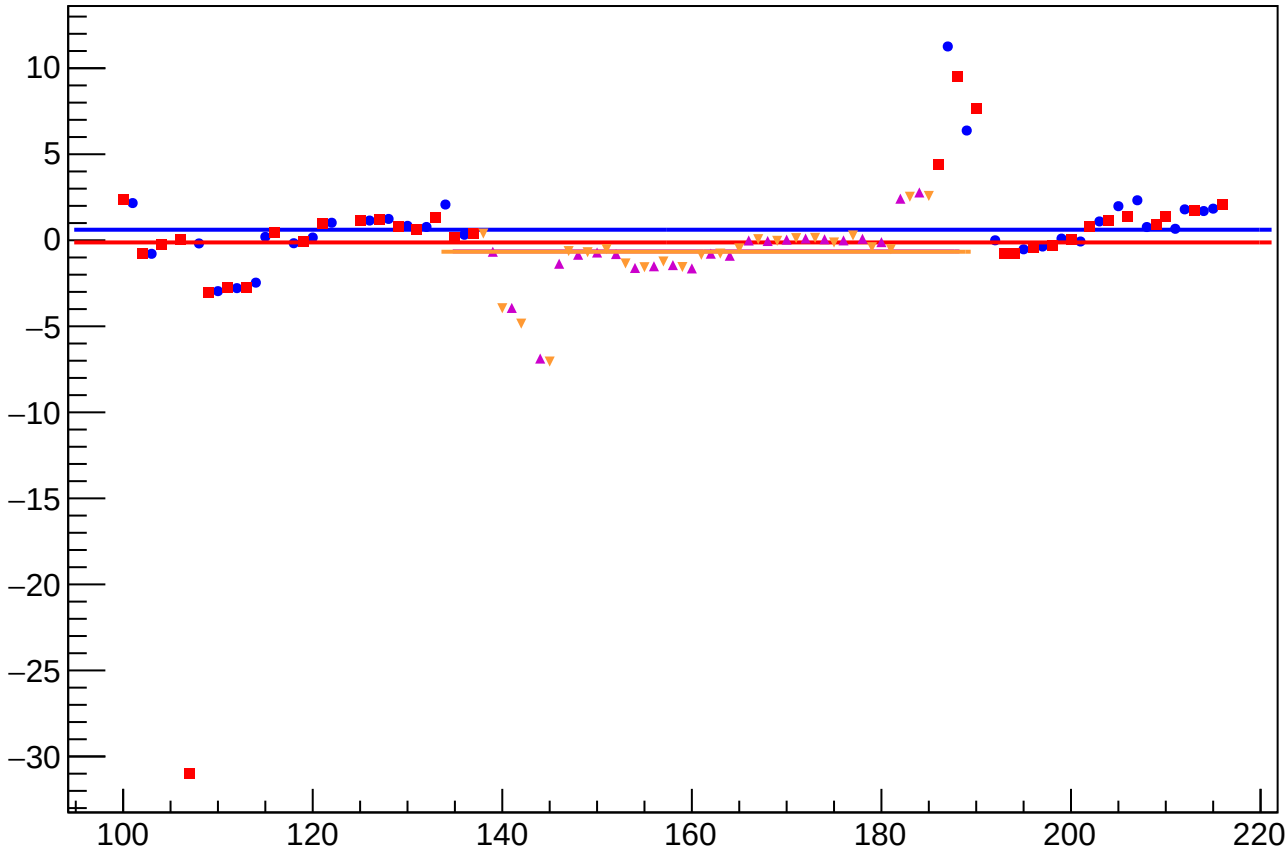
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.517+/-0.236 χ^2/NDF: 511.2/63

In: -0.533+/-0.152 χ^2/NDF:1598.5/53

Out: -0.647+/-0.150 χ^2/NDF:1816.3/56

All: -0.590+/-0.107 χ^2/NDF: 3415.1/110



Right In: 0.613+/-0.017 χ^2/NDF: 10542.0/30

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.125+/-0.017 χ^2/NDF: 61449.9/32

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

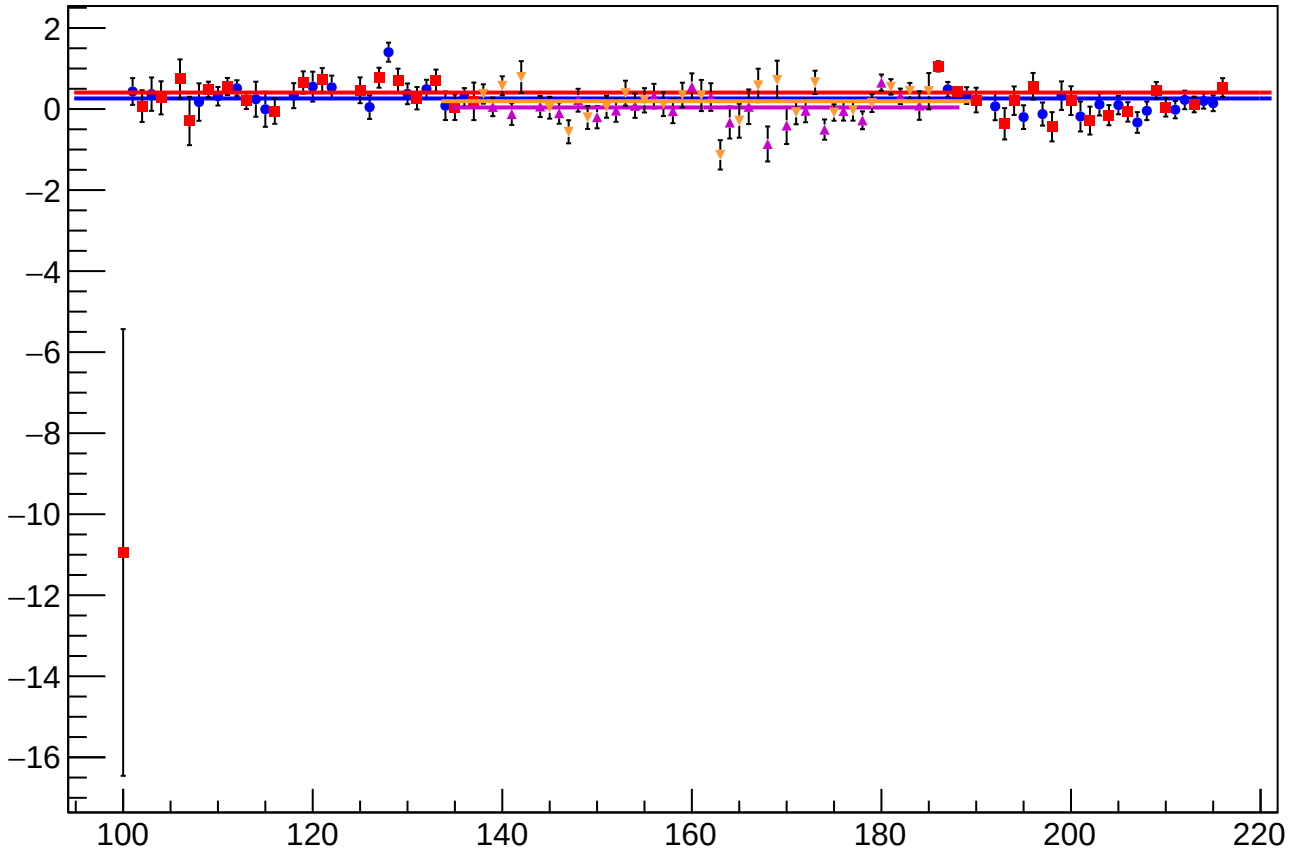
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.254+/-0.012 χ^2/NDF: 72948.5/63

In: -0.431+/-0.007 χ^2/NDF:60861.8/53

Out: -0.578+/-0.007 χ^2/NDF:117561.0/56

All: -0.505+/-0.005 χ^2/NDF: 178652.5/110



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: 0.407+/-0.043 χ^2/NDF: 73.8/32

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

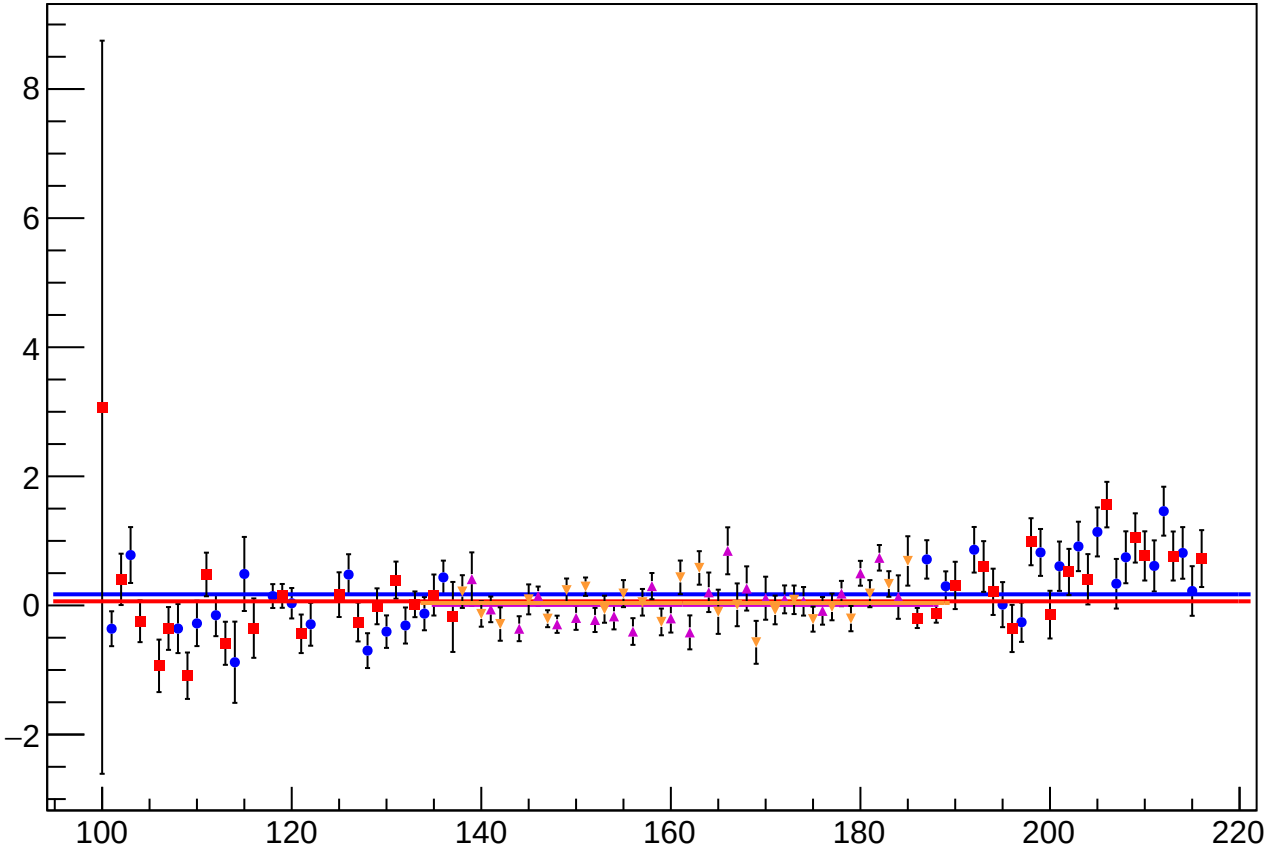
Right: 0.340+/-0.032 χ^2/NDF: 126.8/63

In: 0.174+/-0.036 χ^2/NDF:87.2/53

Out: 0.329+/-0.034 χ^2/NDF:127.0/56

All: 0.256+/-0.025 χ^2/NDF: 224.0/110

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.064+/-0.052 χ^2/NDF: 83.0/32

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

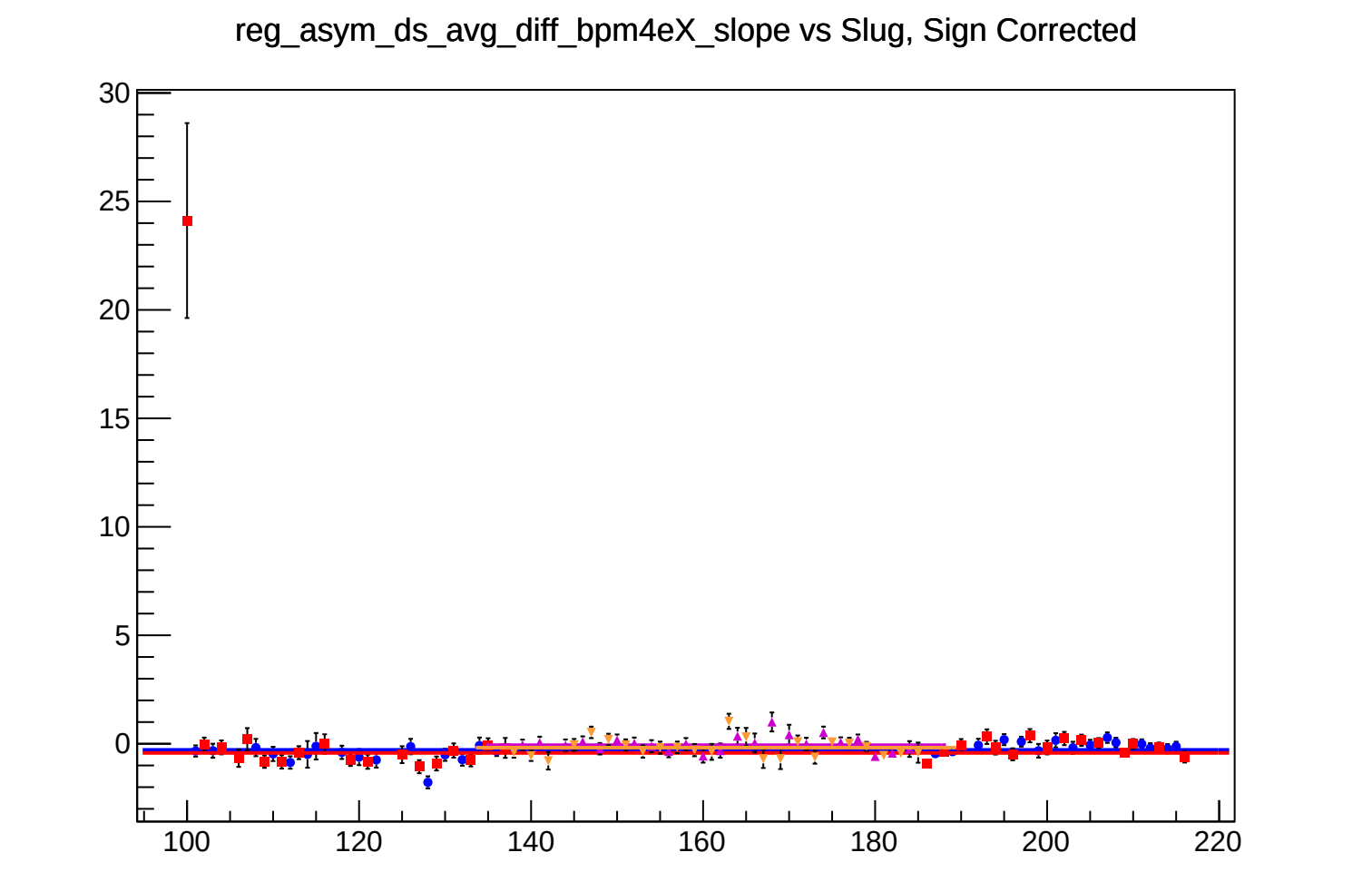
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.114+/-0.038 χ^2/NDF: 164.8/63

In: 0.070+/-0.035 χ^2/NDF:136.4/53

Out: 0.048+/-0.033 χ^2/NDF:115.9/56

All: 0.059+/-0.024 χ^2/NDF: 252.5/110



Right In: -0.283+/-0.047 χ^2/NDF: 61.4/30

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.422+/-0.041 χ^2/NDF: 106.2/32

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

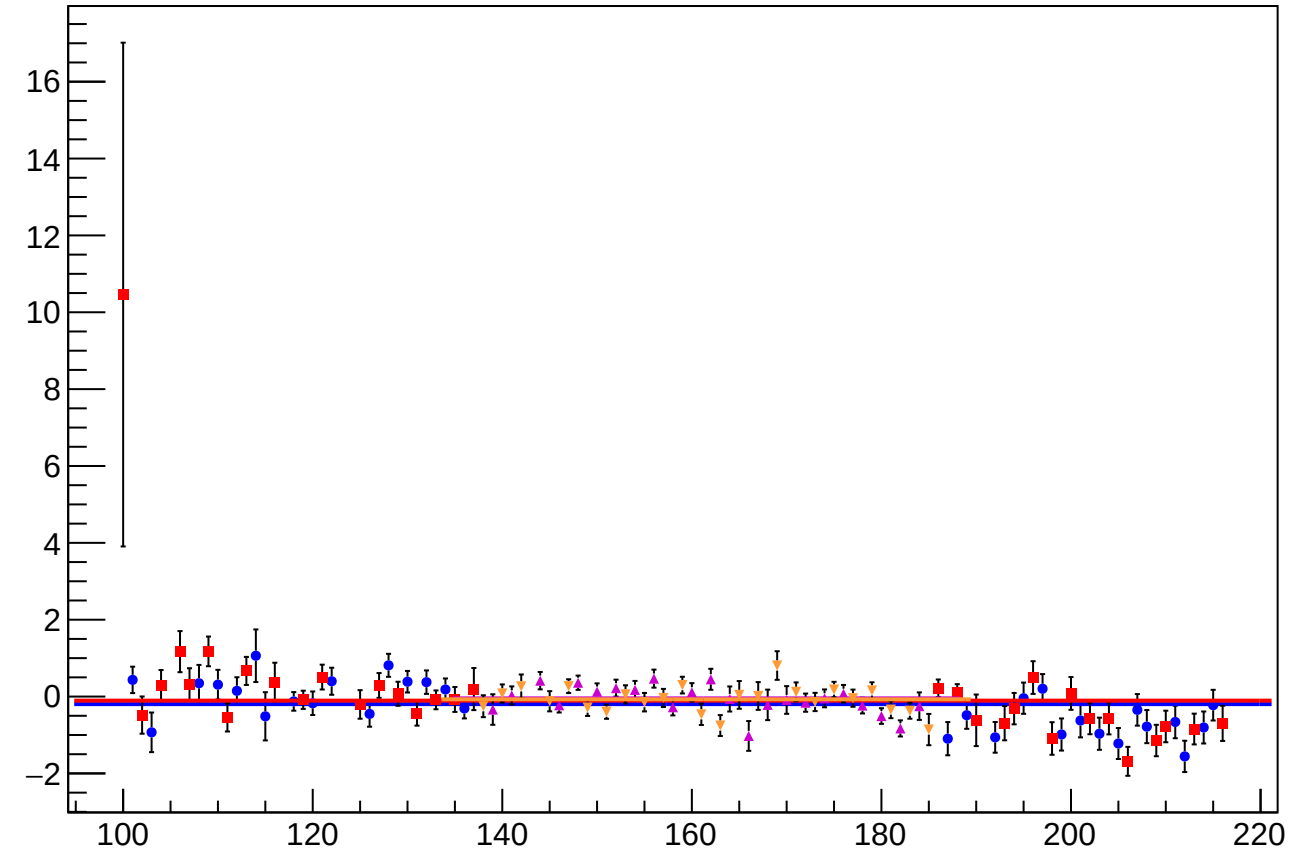
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.361+/-0.031 χ^2/NDF: 172.5/63

In: -0.194+/-0.036 χ^2/NDF:101.4/53

Out: -0.336+/-0.033 χ^2/NDF:160.6/56

All: -0.271+/-0.025 χ^2/NDF: 270.2/110



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: -0.106+/-0.063 χ^2/NDF: 82.9/32

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

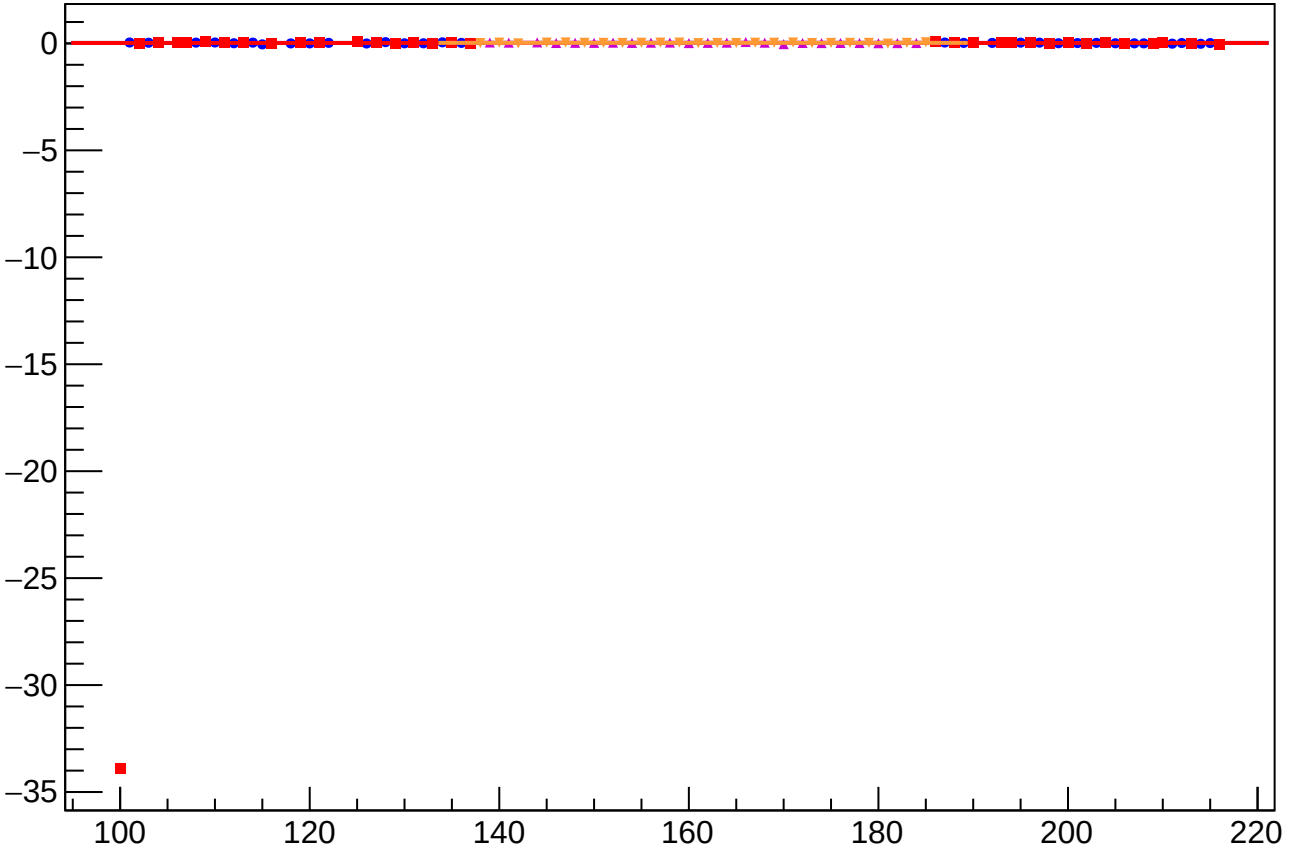
Right: -0.150+/-0.046 χ^2/NDF: 163.3/63

In: -0.102+/-0.040 χ^2/NDF:133.2/53

Out: -0.085+/-0.039 χ^2/NDF:120.8/56

All: -0.093+/-0.028 χ^2/NDF: 254.0/110

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.021+/-0.003 χ^2/NDF: 22325.2/32

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

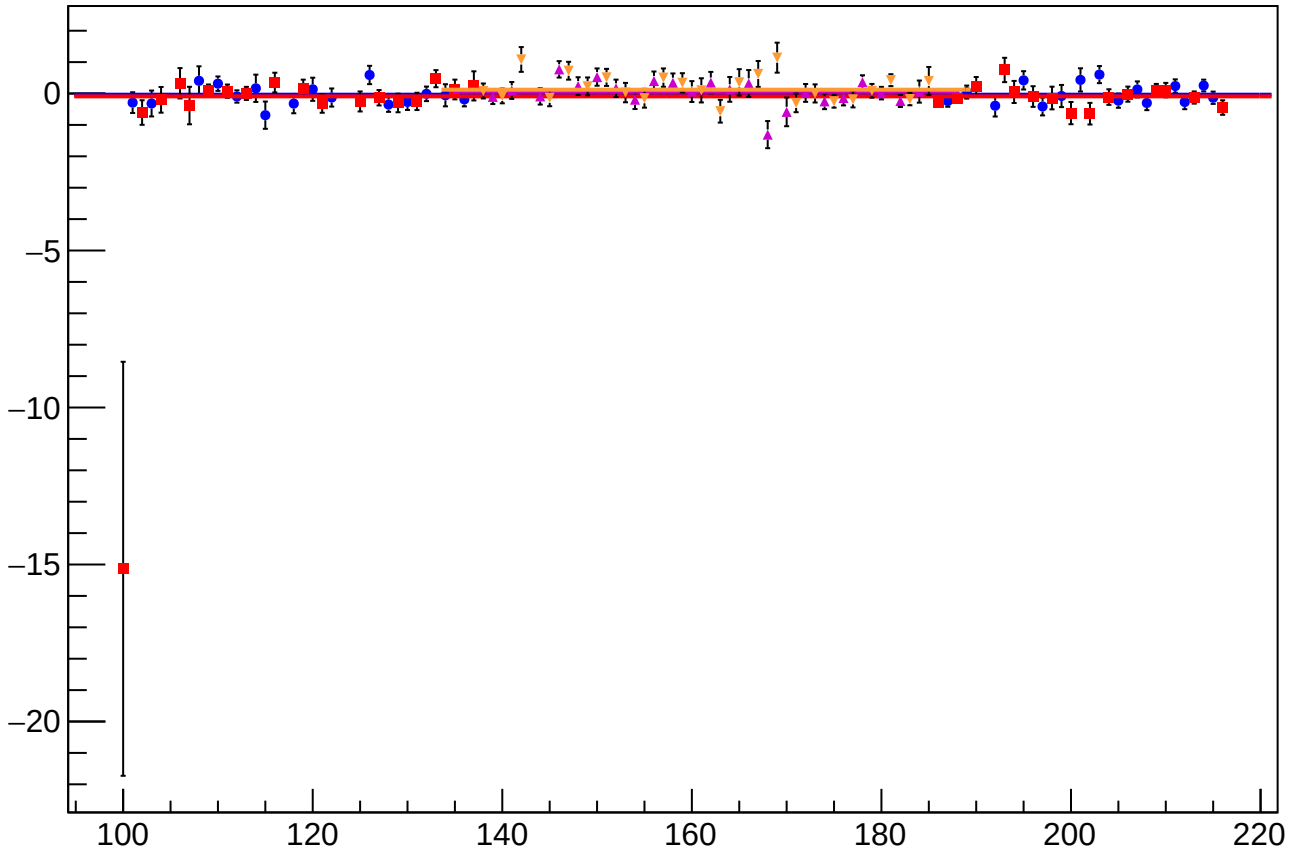
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.021+/-0.002 χ^2/NDF: 22355.3/63

In: 0.025+/-0.002 χ^2/NDF:71.2/53

Out: 0.024+/-0.002 χ^2/NDF:22359.0/56

All: 0.024+/-0.001 χ^2/NDF: 22430.2/110



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: -0.091+/-0.043 χ^2/NDF: 37.6/32

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

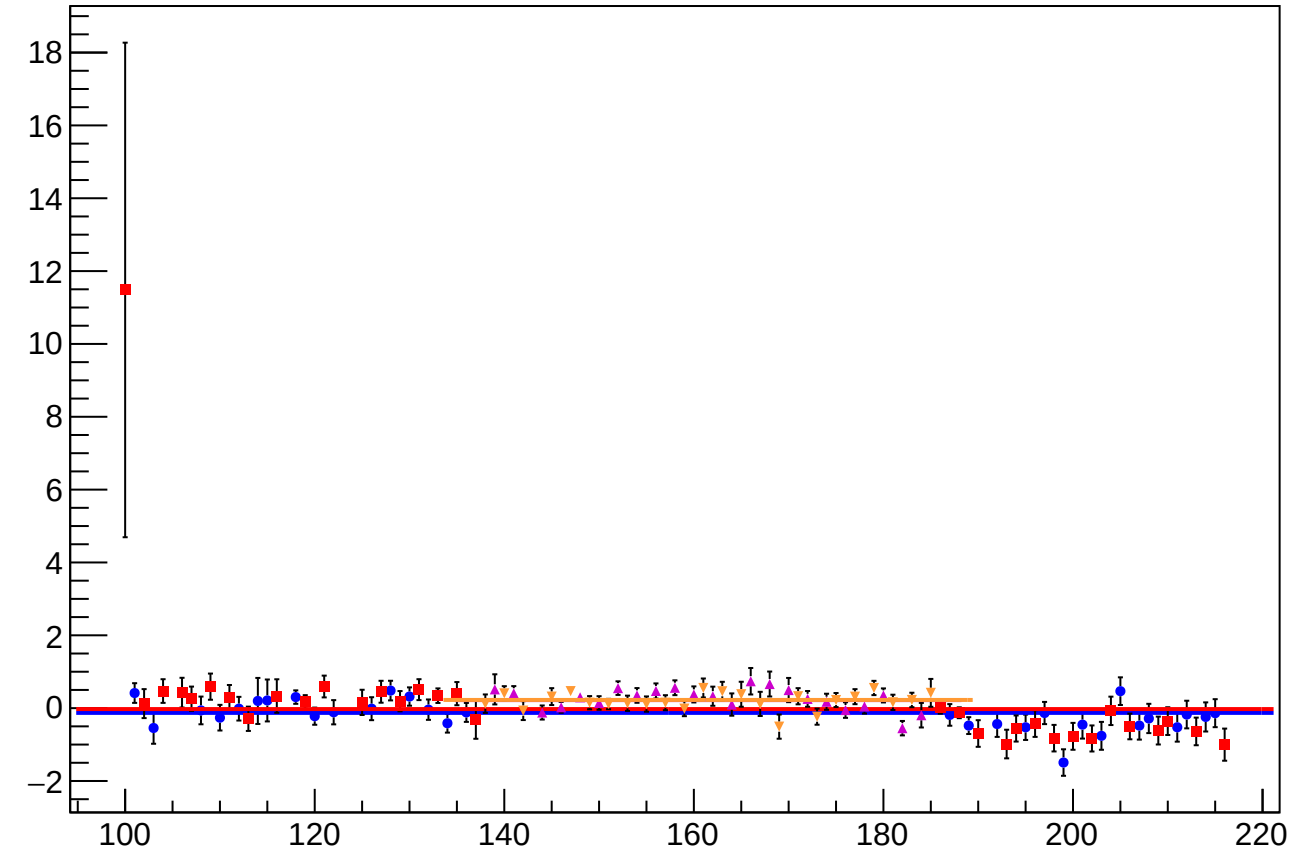
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.066+/-0.032 χ^2/NDF: 75.7/63

In: 0.002+/-0.036 χ^2/NDF:73.4/53

Out: -0.013+/-0.034 χ^2/NDF:86.2/56

All: -0.006+/-0.025 χ^2/NDF: 159.7/110



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: -0.025+/-0.052 χ^2/NDF: 69.8/32

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

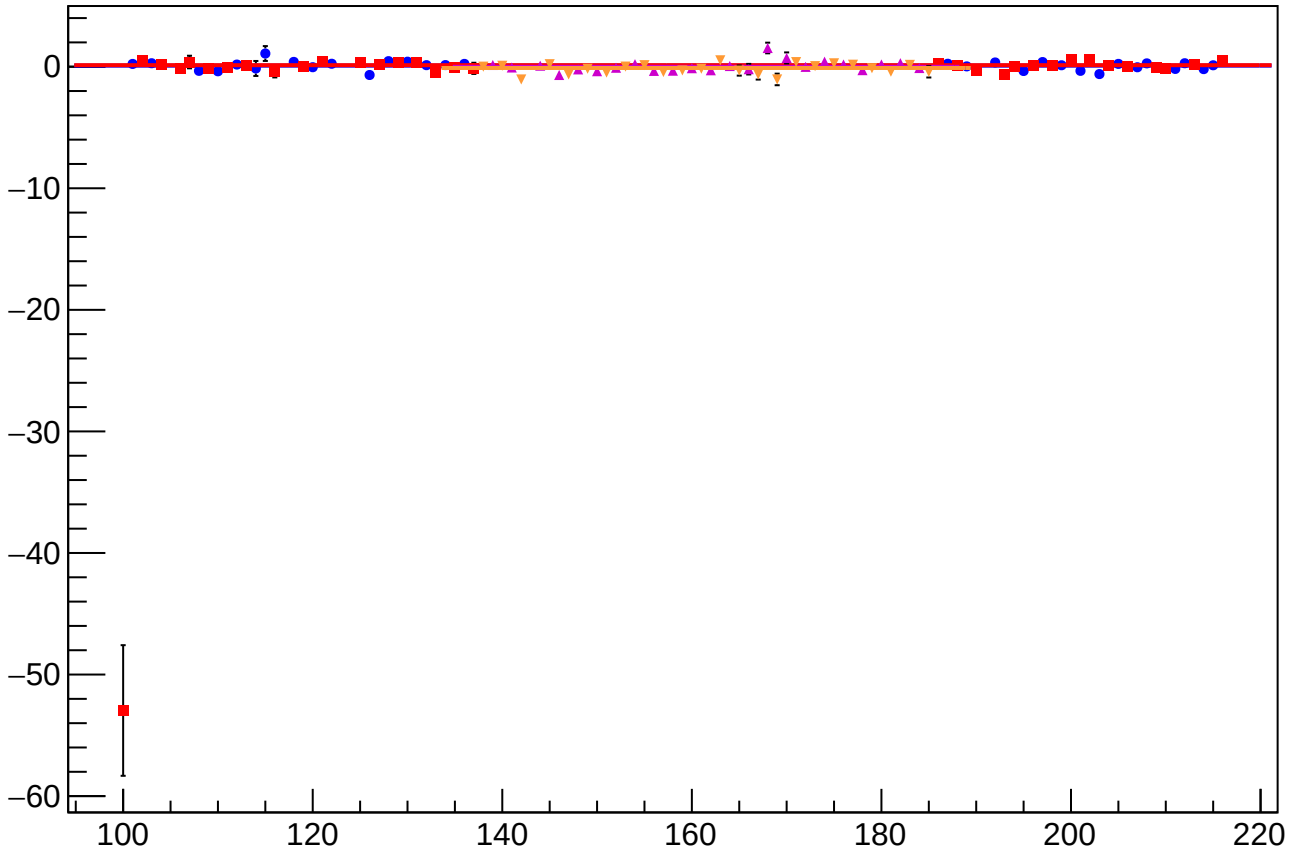
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.074+/-0.038 χ^2/NDF: 119.3/63

In: 0.088+/-0.035 χ^2/NDF:110.9/53

Out: 0.124+/-0.033 χ^2/NDF:107.5/56

All: 0.107+/-0.024 χ^2/NDF: 218.9/110



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: 0.126+/-0.041 χ^2/NDF: 127.0/32

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

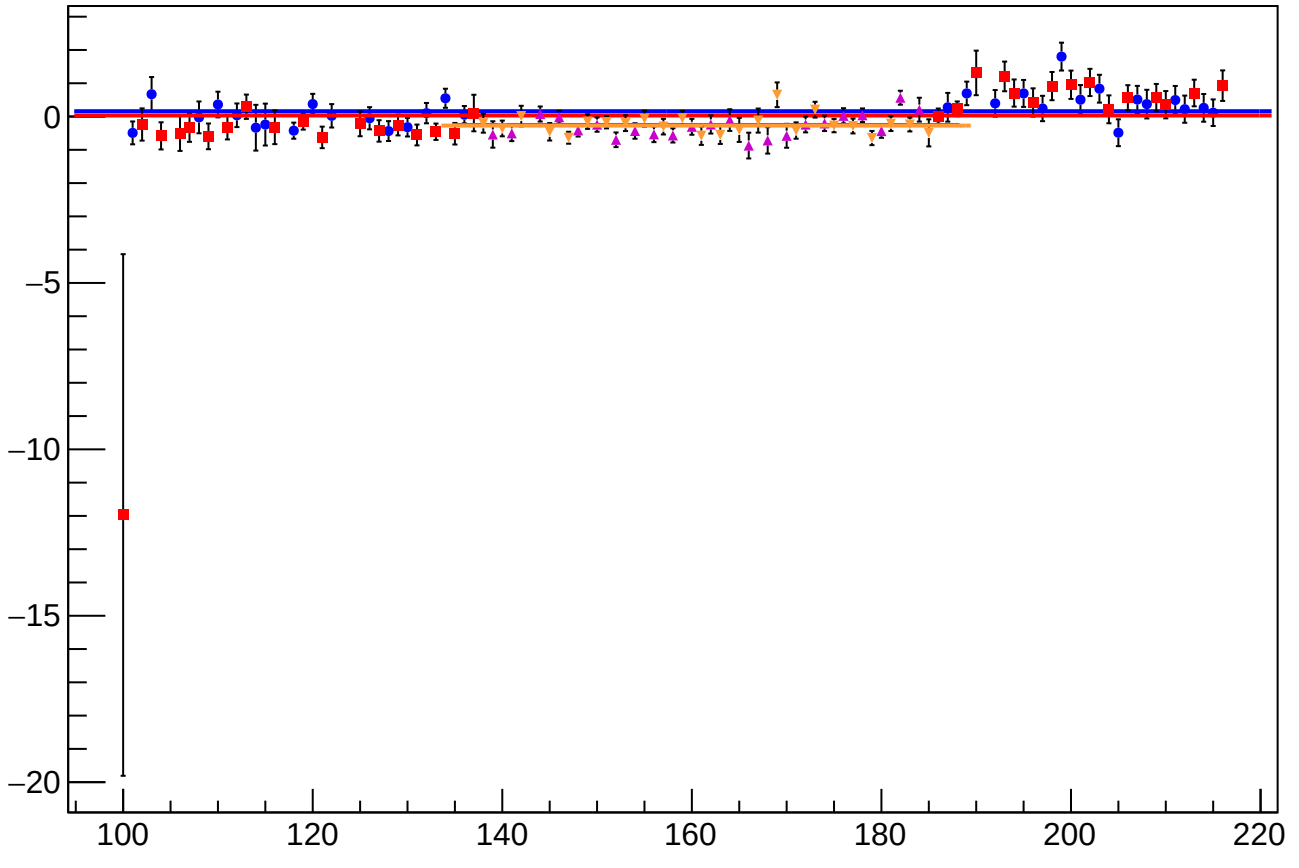
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.109+/-0.031 χ^2/NDF: 163.8/63

In: 0.049+/-0.036 χ^2/NDF:76.1/53

Out: 0.044+/-0.033 χ^2/NDF:175.5/56

All: 0.046+/-0.025 χ^2/NDF: 251.6/110



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: 0.031+/-0.063 χ^2/NDF: 70.8/32

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

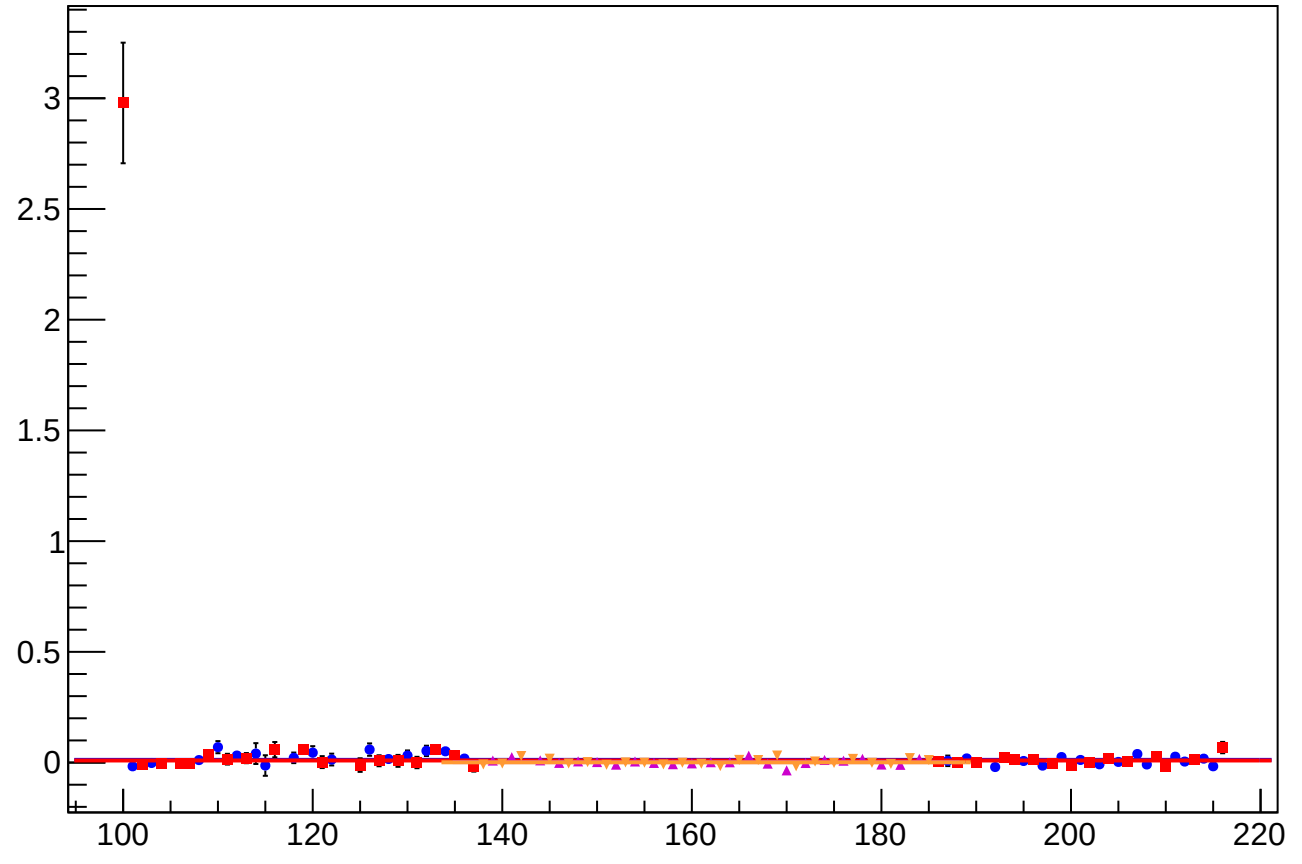
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.093+/-0.046 χ^2/NDF: 122.0/63

In: -0.101+/-0.040 χ^2/NDF:114.9/53

Out: -0.157+/-0.039 χ^2/NDF:109.9/56

All: -0.130+/-0.028 χ^2/NDF: 225.9/110



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: 157.7/32

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

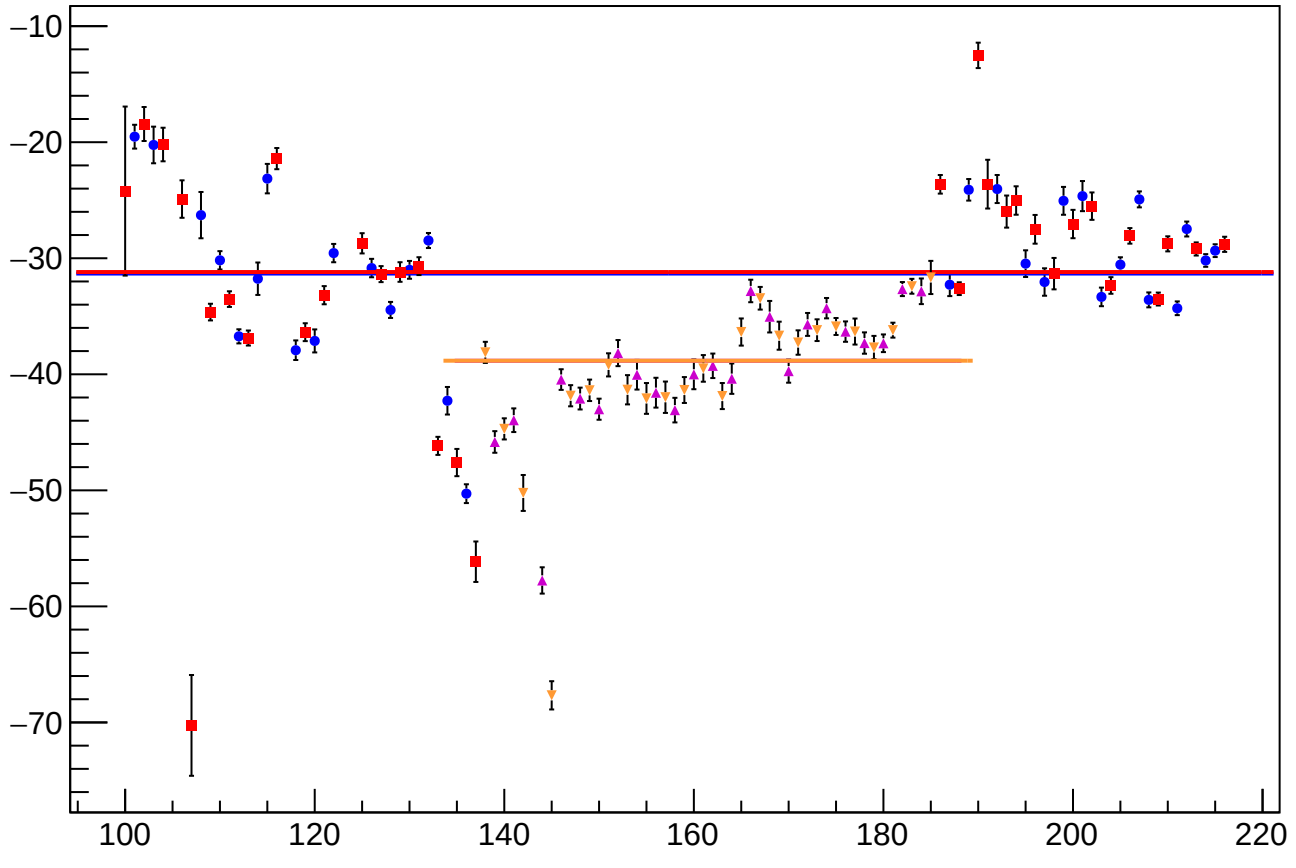
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 205.0/63

In: 0.006+/-0.002 χ^2/NDF:78.3/53

Out: 0.004+/-0.002 χ^2/NDF:189.3/56

All: 0.005+/-0.001 χ^2/NDF: 268.0/110



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: -31.188+/-0.146 χ^2/NDF: 1852.2/33

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

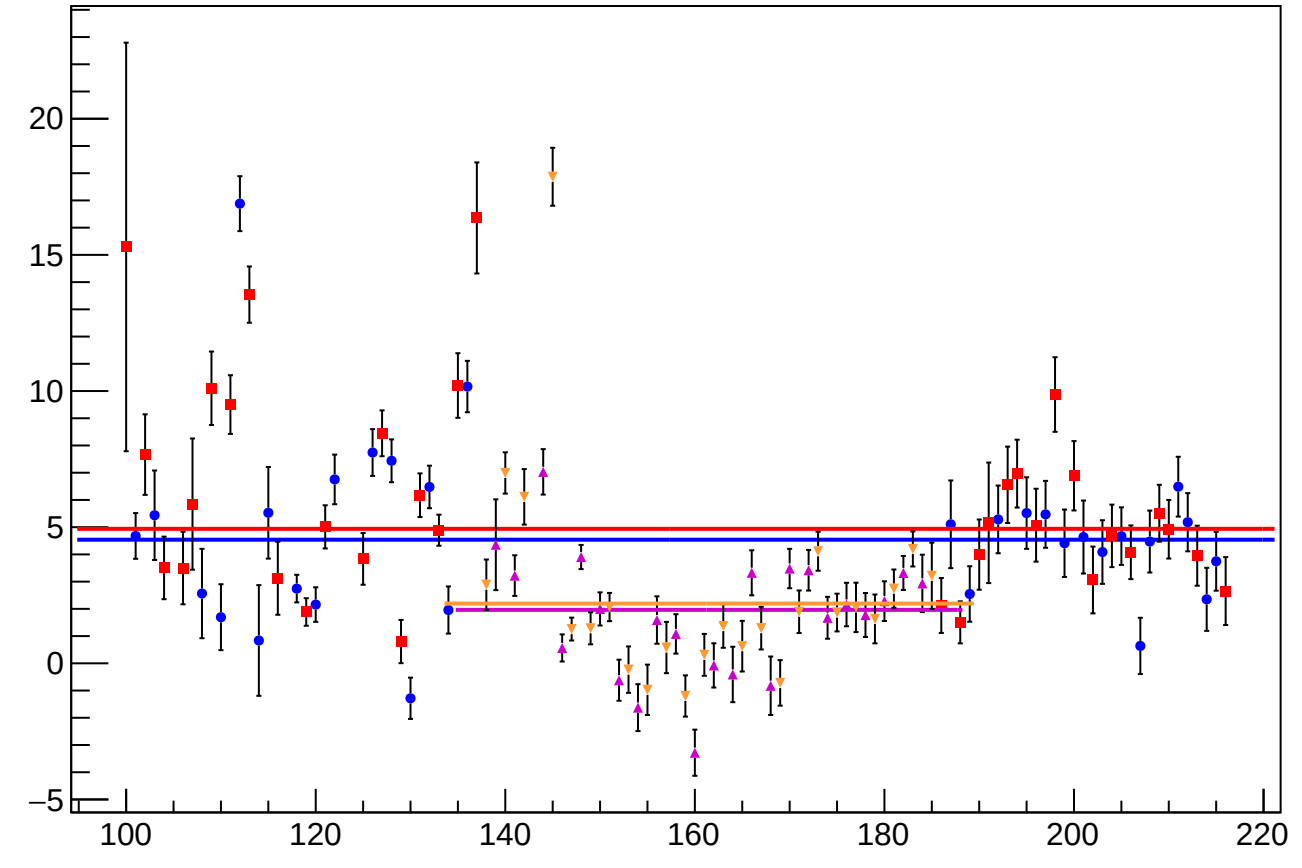
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.253+/-0.103 χ^2/NDF: 3273.9/64

In: -33.865+/-0.118 χ^2/NDF:2978.5/53

Out: -33.821+/-0.119 χ^2/NDF:3706.6/57

All: -33.843+/-0.084 χ^2/NDF: 6685.1/111



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: 4.940+/-0.177 χ^2/NDF: 302.6/33

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

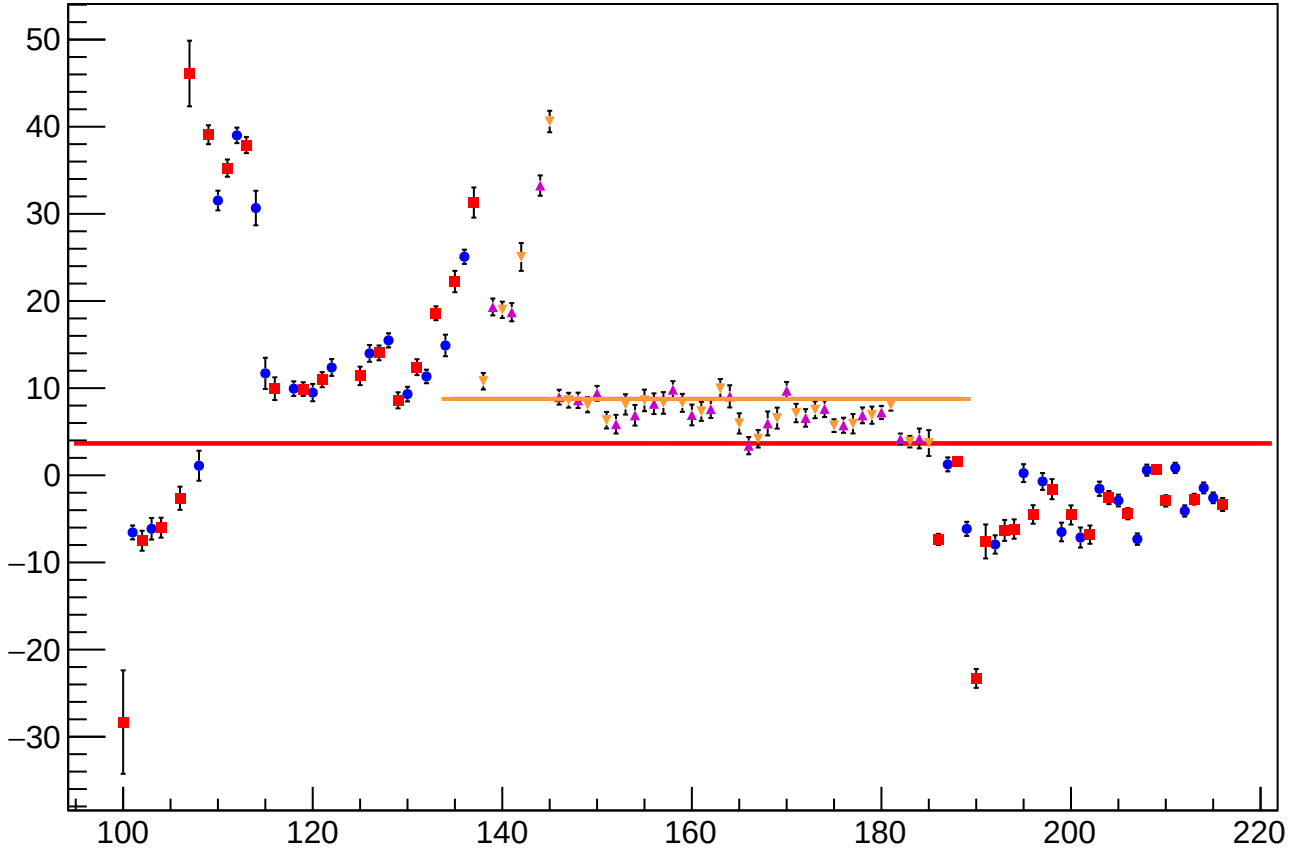
Right: 4.741+/-0.125 χ^2/NDF: 663.0/64

In: 3.080+/-0.117 χ^2/NDF:651.2/53

Out: 3.365+/-0.115 χ^2/NDF:806.3/57

All: 3.224+/-0.082 χ^2/NDF: 1460.5/111

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 3.659+/-0.151 χ^2/NDF: 7016.1/33

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

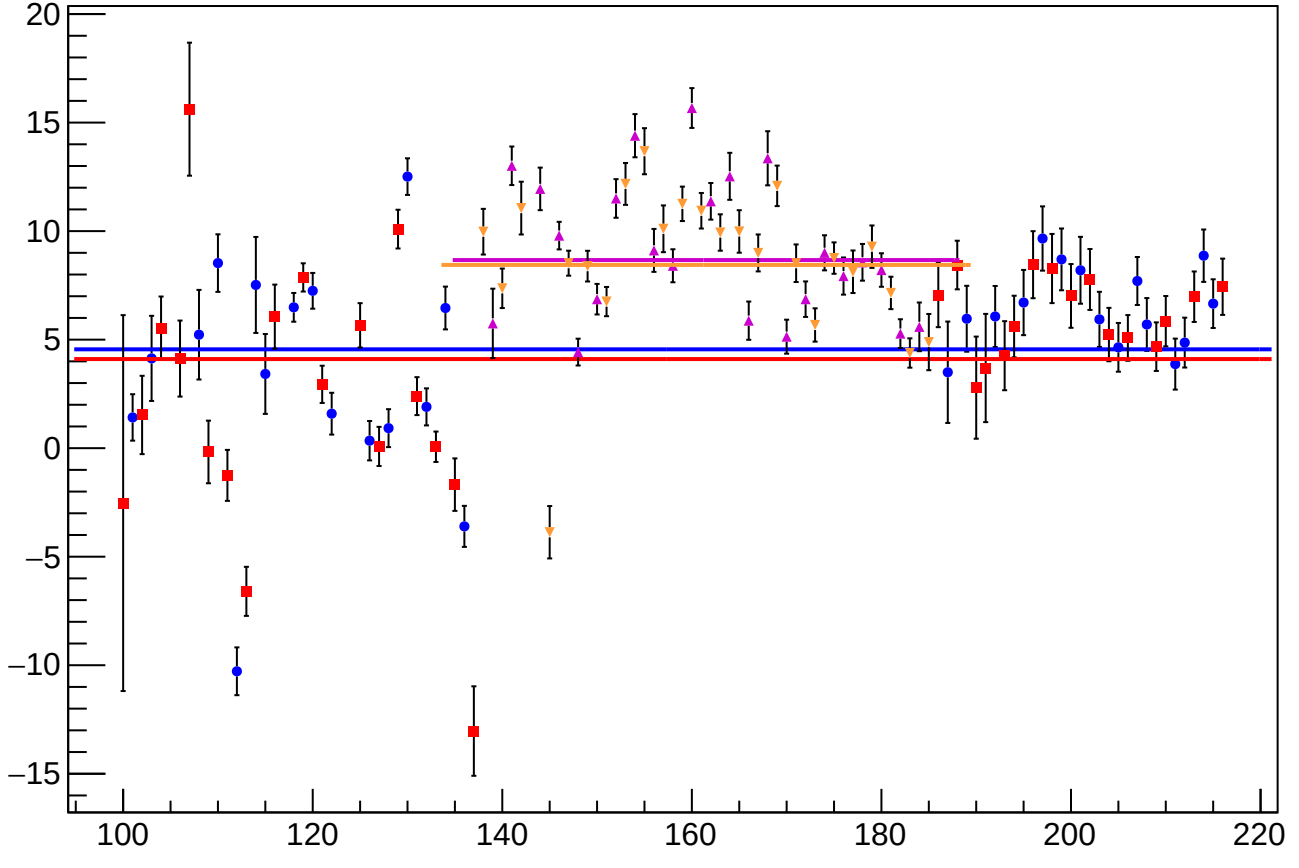
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 3.658+/-0.107 χ^2/NDF: 12297.2/64

In: 5.521+/-0.122 χ^2/NDF:6486.2/53

Out: 5.514+/-0.121 χ^2/NDF:8464.5/57

All: 5.518+/-0.086 χ^2/NDF: 14950.7/111



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: 4.105+/-0.205 χ^2/NDF: 433.2/33

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

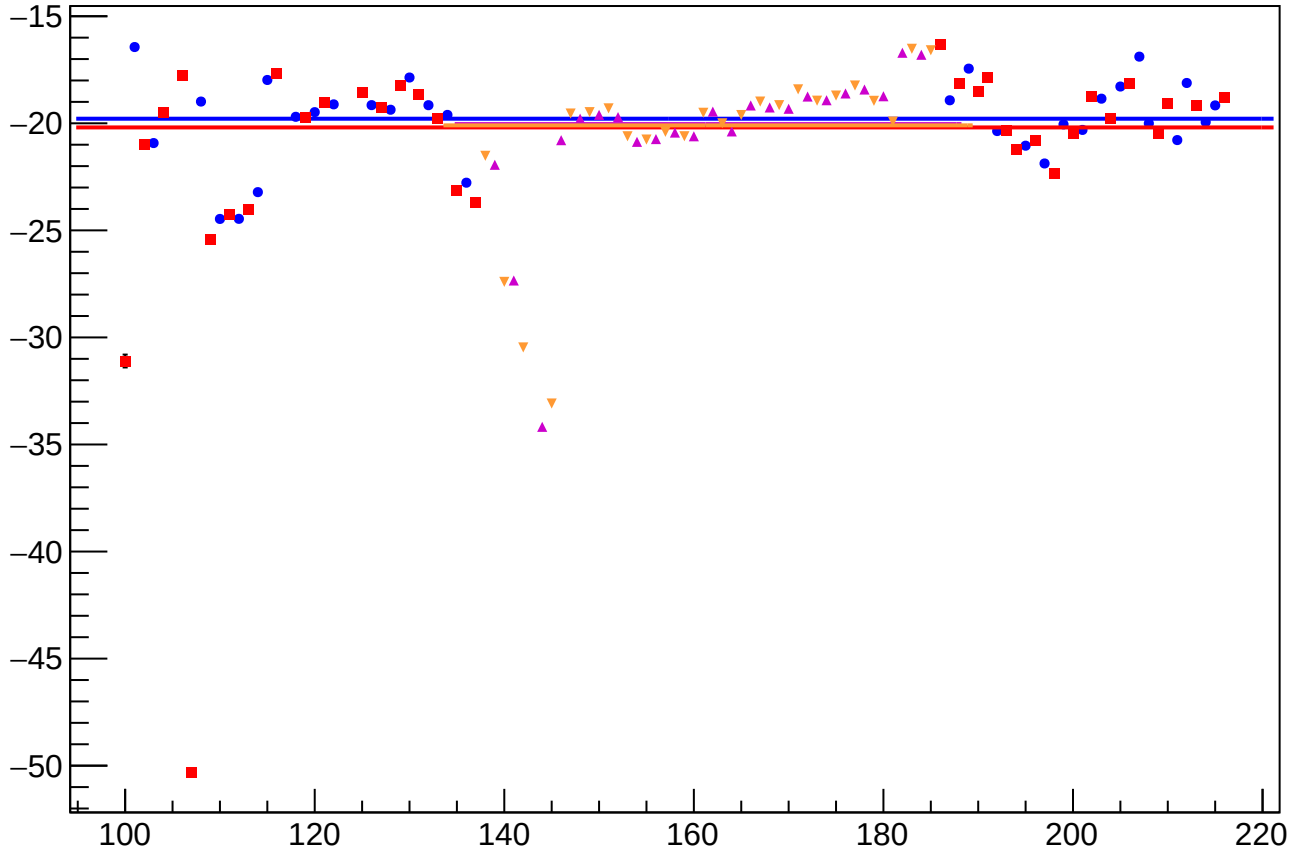
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.332+/-0.144 χ^2/NDF: 938.3/64

In: 6.902+/-0.133 χ^2/NDF:1042.6/53

Out: 6.630+/-0.132 χ^2/NDF:958.3/57

All: 6.766+/-0.094 χ^2/NDF: 2003.1/111



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: -20.193+/-0.010 χ^2/NDF: 72767.7/33

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

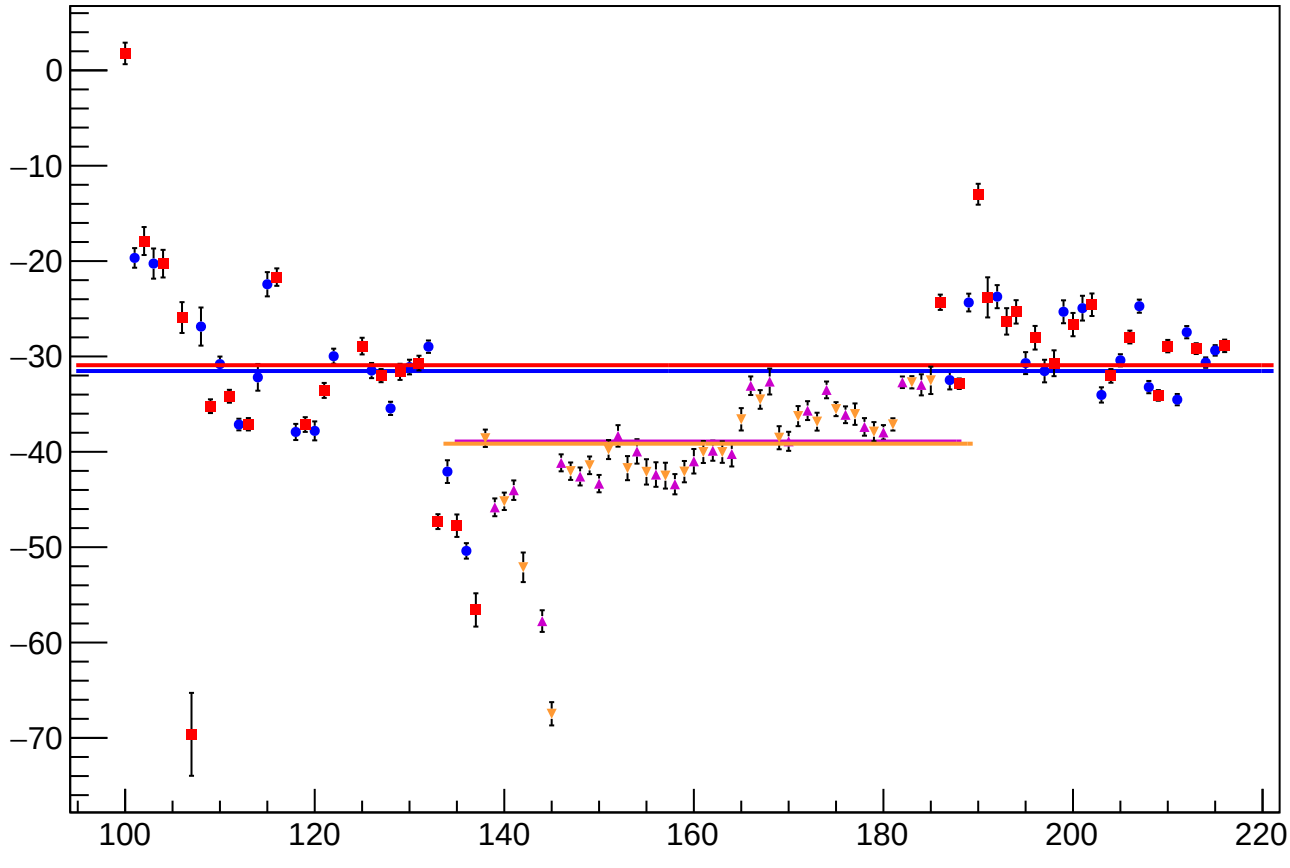
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -19.989+/-0.007 χ^2/NDF: 106078.3/64

In: -19.942+/-0.006 χ^2/NDF:165176.2/53

Out: -20.133+/-0.006 χ^2/NDF:232117.8/57

All: -20.037+/-0.004 χ^2/NDF: 397763.0/111



Right In: -31.528+/-0.146 χ^2/NDF: 1447.9/30

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -30.918+/-0.146 χ^2/NDF: 2780.4/33

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

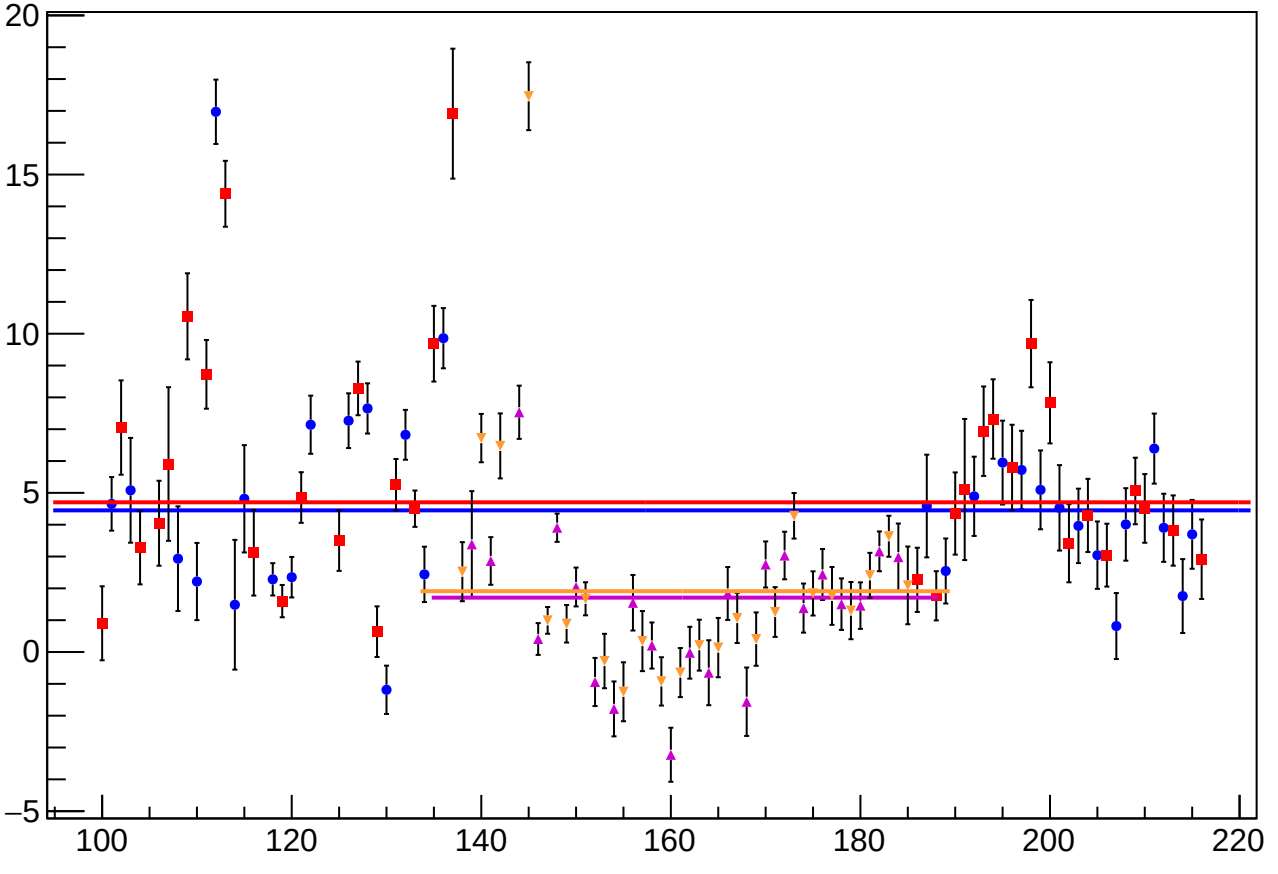
Right: -31.222+/-0.103 χ^2/NDF: 4237.0/64

In: -34.033+/-0.119 χ^2/NDF:3002.6/53

Out: -33.722+/-0.118 χ^2/NDF:4768.6/57

All: -33.877+/-0.084 χ^2/NDF: 7774.6/111

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 4.703+/-0.175 χ^2/NDF: 327.9/33

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

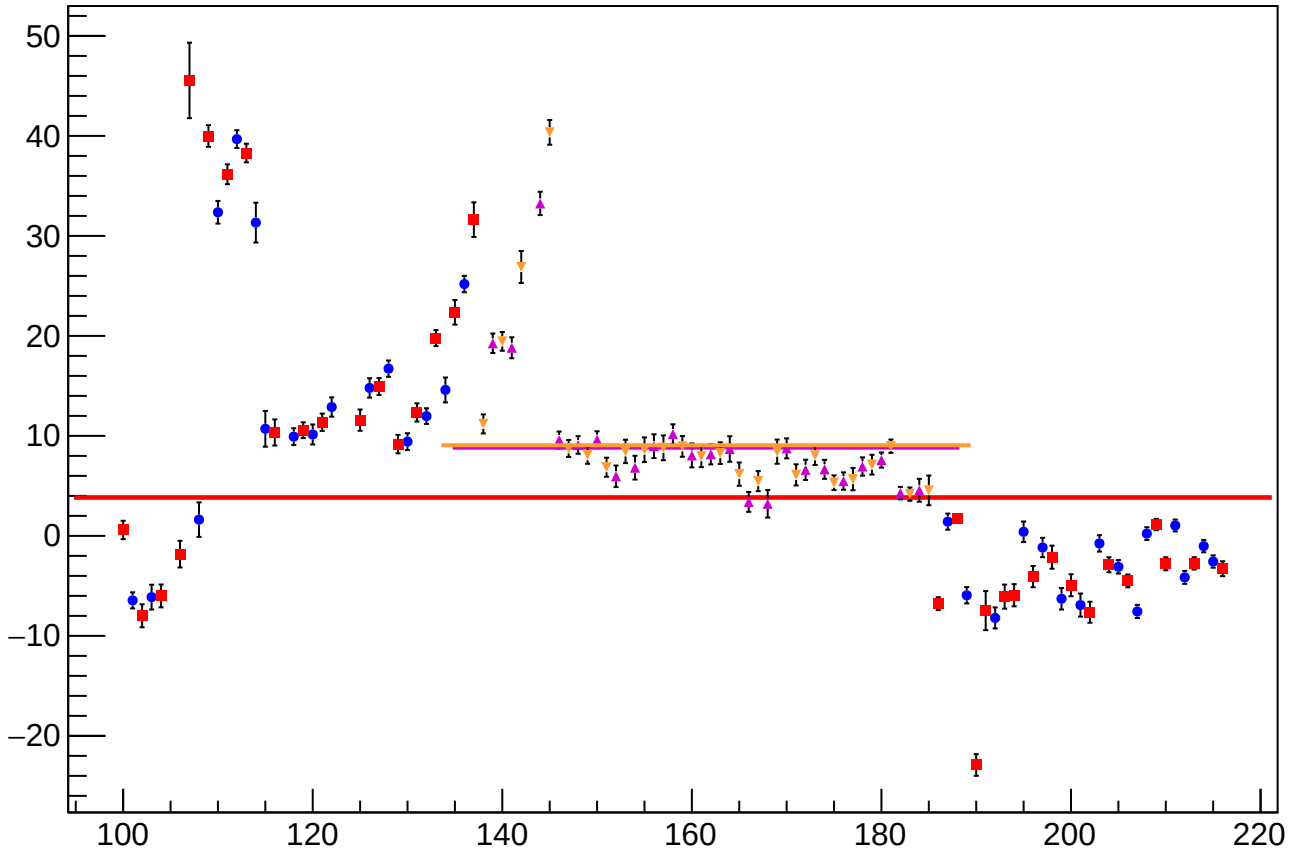
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.579+/-0.125 χ^2/NDF: 686.4/64

In: 2.896+/-0.117 χ^2/NDF:675.5/53

Out: 3.116+/-0.115 χ^2/NDF:832.1/57

All: 3.008+/-0.082 χ^2/NDF: 1509.3/111



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: 3.842+/-0.150 χ^2/NDF: 7200.4/33

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

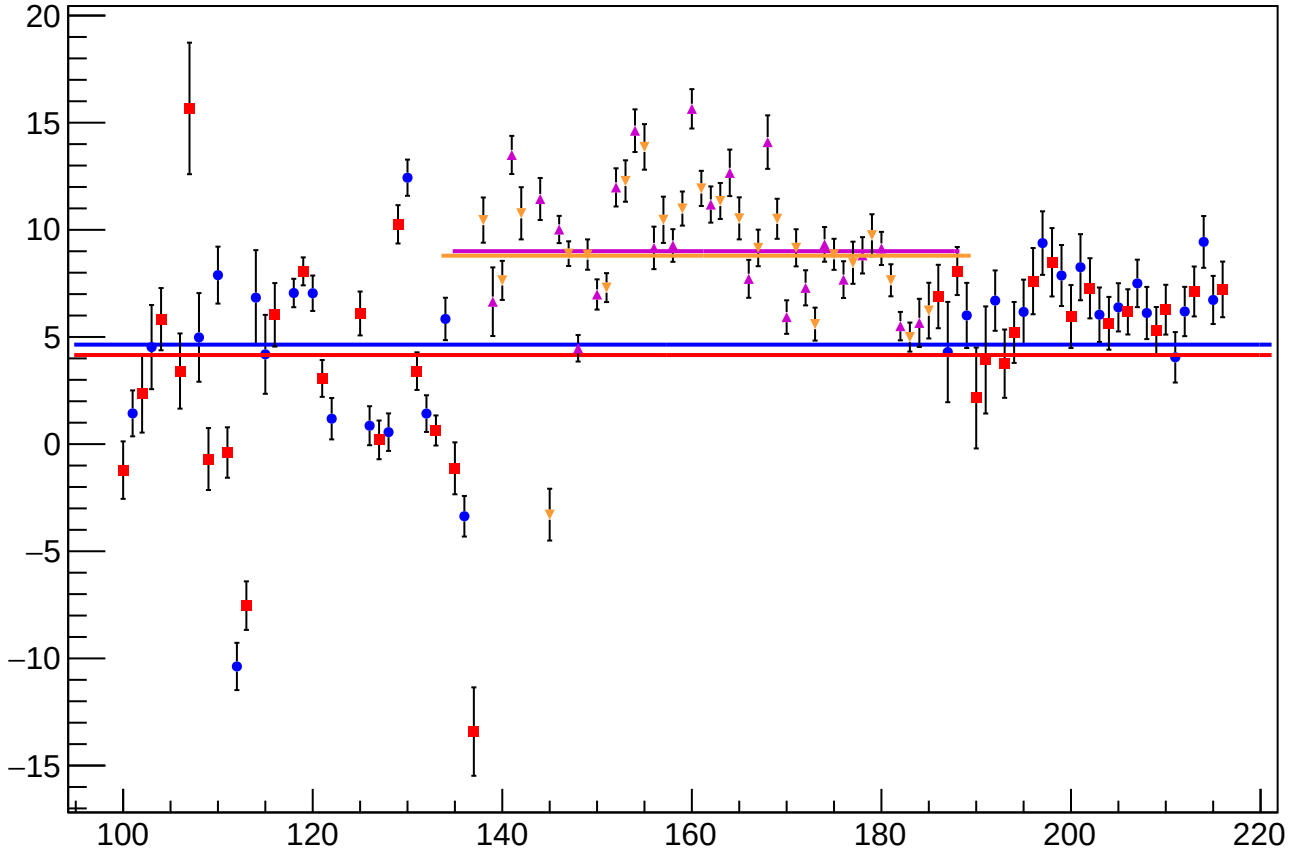
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 3.841+/-0.107 χ^2/NDF: 12654.4/64

In: 5.655+/-0.122 χ^2/NDF:6643.6/53

Out: 5.706+/-0.120 χ^2/NDF:8667.9/57

All: 5.681+/-0.085 χ^2/NDF: 15311.6/111



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: 4.157+/-0.203 χ^2/NDF: 448.4/33

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

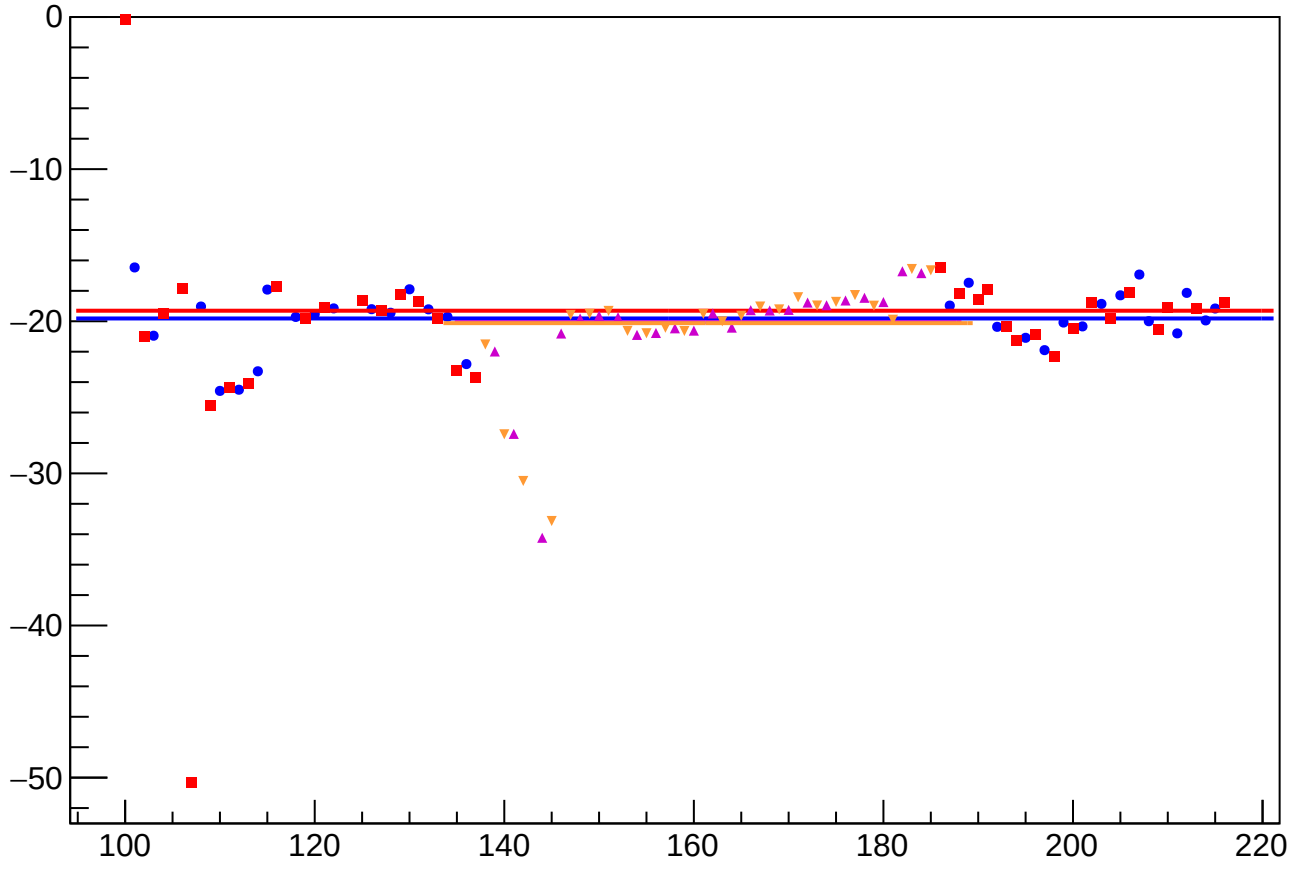
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.400+/-0.144 χ^2/NDF: 955.7/64

In: 7.133+/-0.133 χ^2/NDF:1057.5/53

Out: 6.831+/-0.132 χ^2/NDF:993.4/57

All: 6.981+/-0.094 χ^2/NDF: 2053.5/111



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: -19.307+/-0.010 χ^2/NDF: 248149.9/33

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

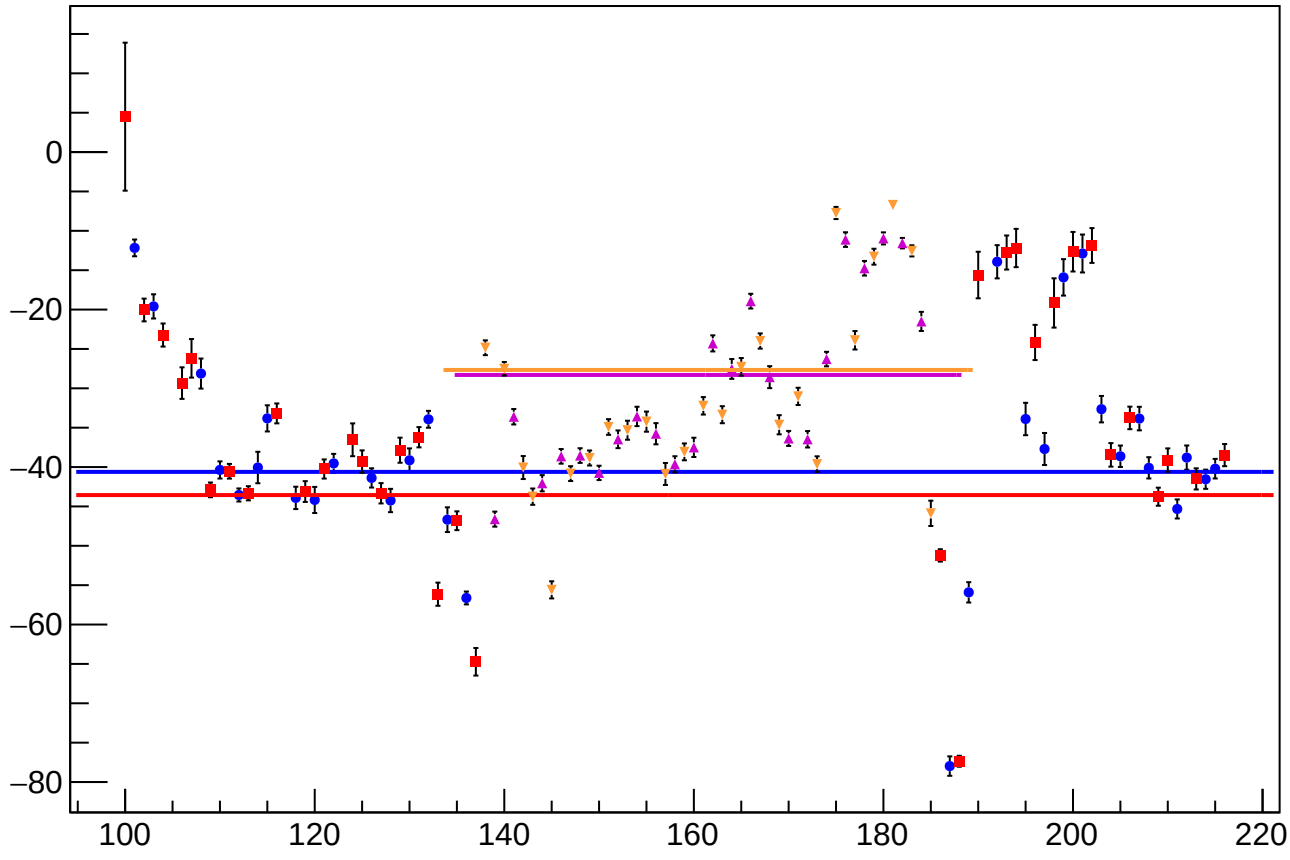
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.556+/-0.007 χ^2/NDF: 281968.7/64

In: -19.970+/-0.006 χ^2/NDF:165582.9/53

Out: -19.804+/-0.006 χ^2/NDF:410864.6/57

All: -19.886+/-0.004 χ^2/NDF: 576802.2/111



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: -43.558+/-0.232 χ^2/NDF: 4451.5/33

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

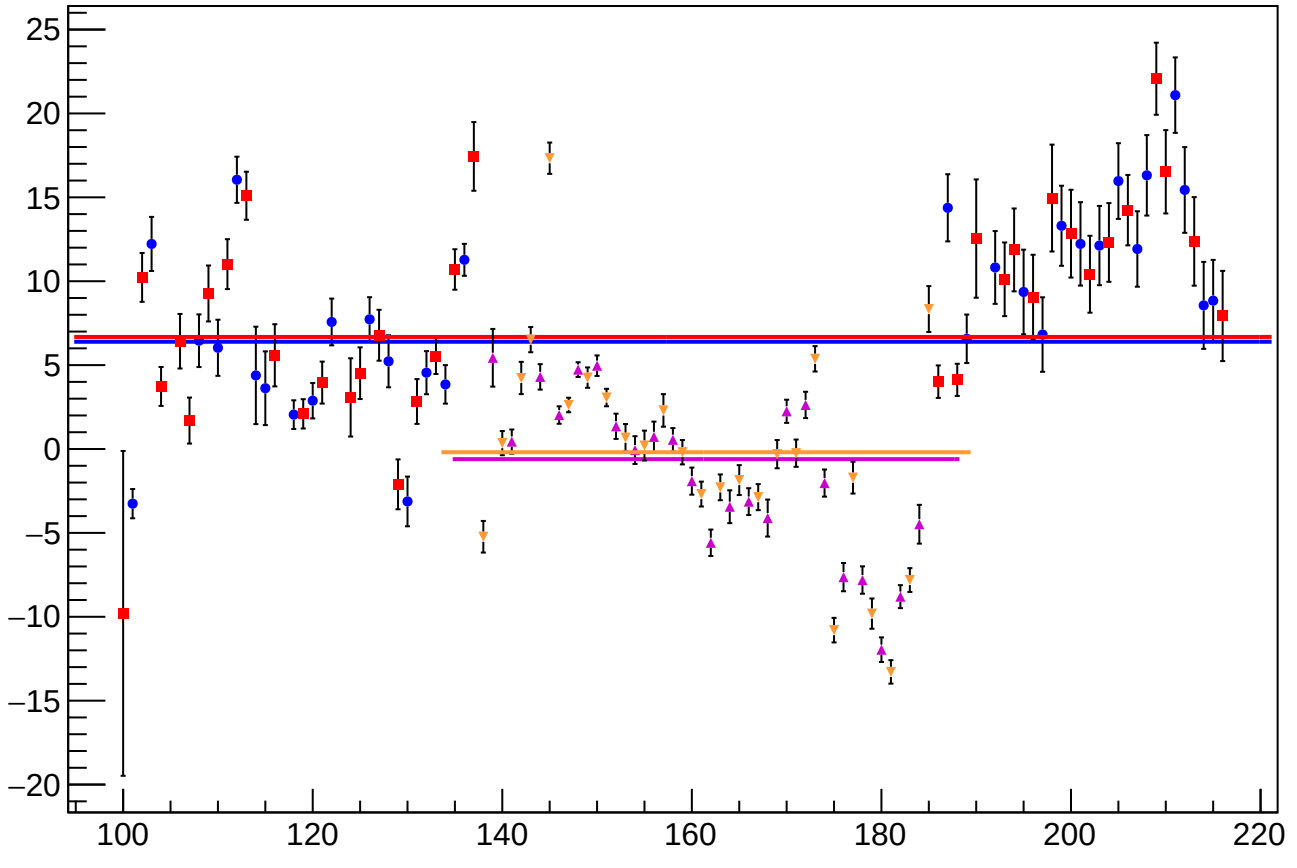
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.154+/-0.167 χ^2/NDF: 7496.4/64

In: -33.453+/-0.157 χ^2/NDF:7738.7/53

Out: -34.476+/-0.152 χ^2/NDF:11540.6/58

All: -33.983+/-0.109 χ^2/NDF: 19301.3/112



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: 6.679+/-0.269 χ^2/NDF: 324.9/33

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

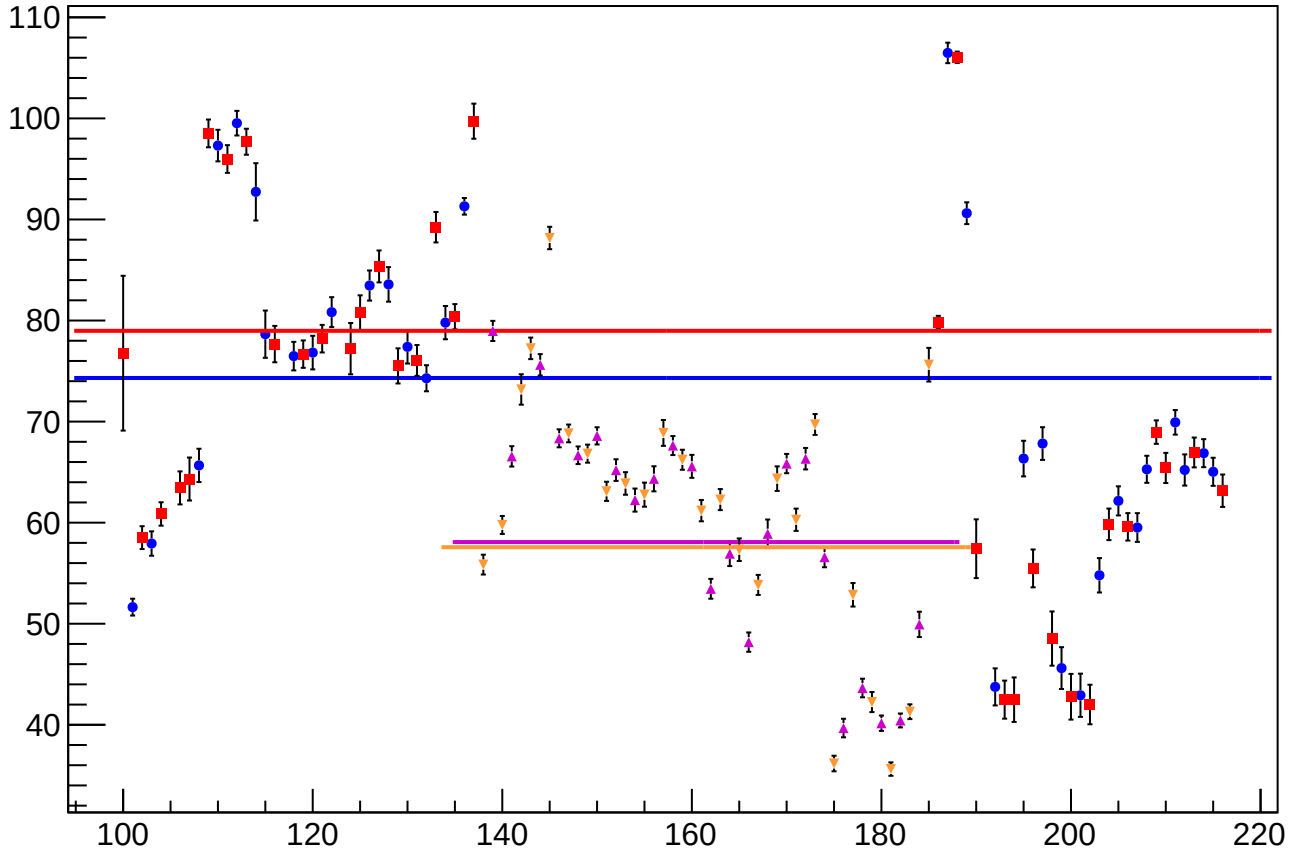
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.540+/-0.193 χ^2/NDF: 765.8/64

In: 1.070+/-0.135 χ^2/NDF:1901.9/53

Out: 1.437+/-0.131 χ^2/NDF:2367.2/58

All: 1.260+/-0.094 χ^2/NDF: 4273.0/112



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: 78.983+/-0.233 χ^2/NDF: 6127.1/33

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

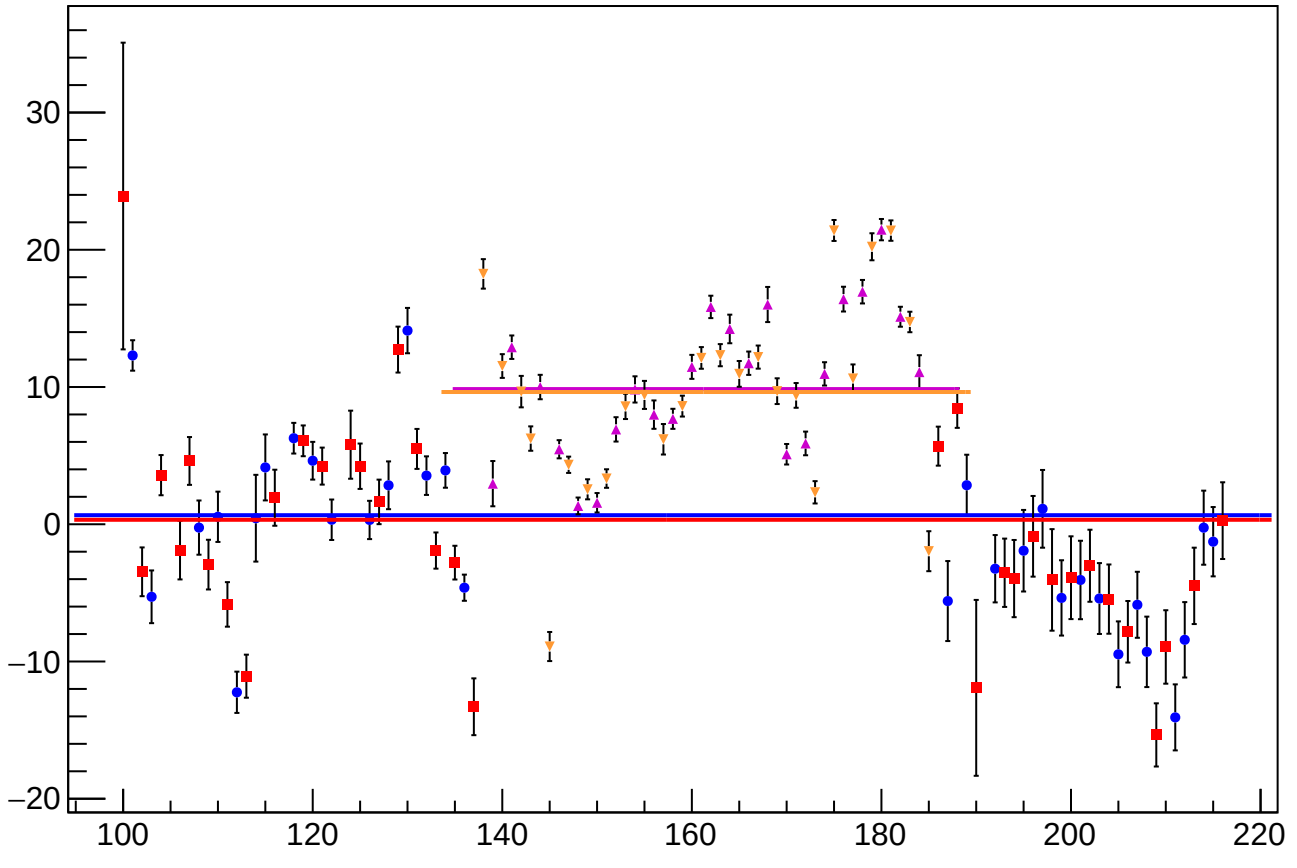
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 76.809+/-0.170 χ^2/NDF: 10925.0/64

In: 64.577+/-0.158 χ^2/NDF:10717.4/53

Out: 66.619+/-0.151 χ^2/NDF:15704.5/58

All: 65.640+/-0.109 χ^2/NDF: 26509.3/112



Right In: 0.660+/-0.319 χ^2/NDF: 450.1/30

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.326+/-0.318 χ^2/NDF: 397.6/33

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

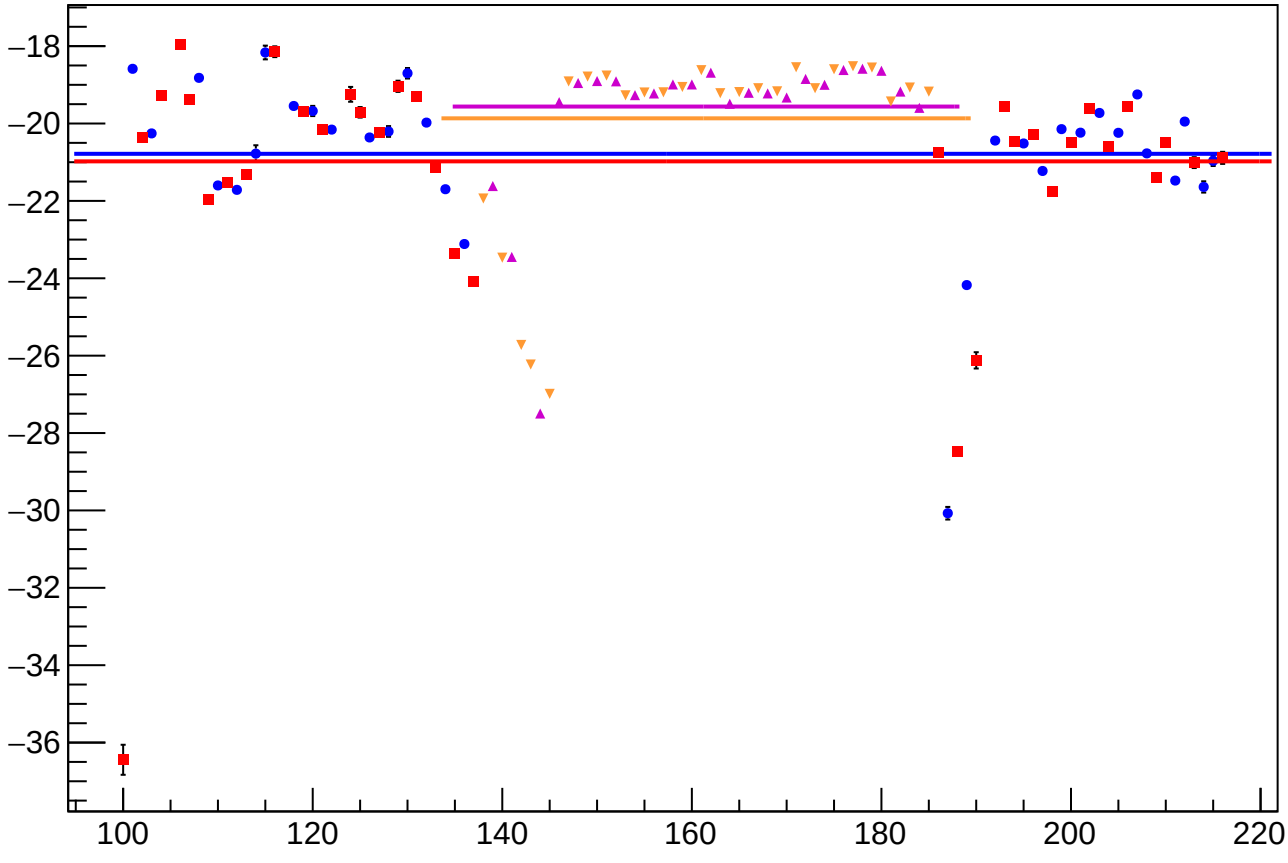
Right: 0.492+/-0.225 χ^2/NDF: 848.3/64

In: 7.701+/-0.154 χ^2/NDF:2078.1/53

Out: 7.539+/-0.151 χ^2/NDF:2553.7/58

All: 7.618+/-0.108 χ^2/NDF: 4632.4/112

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: -20.978+/-0.016 χ^2/NDF: 20701.8/33

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

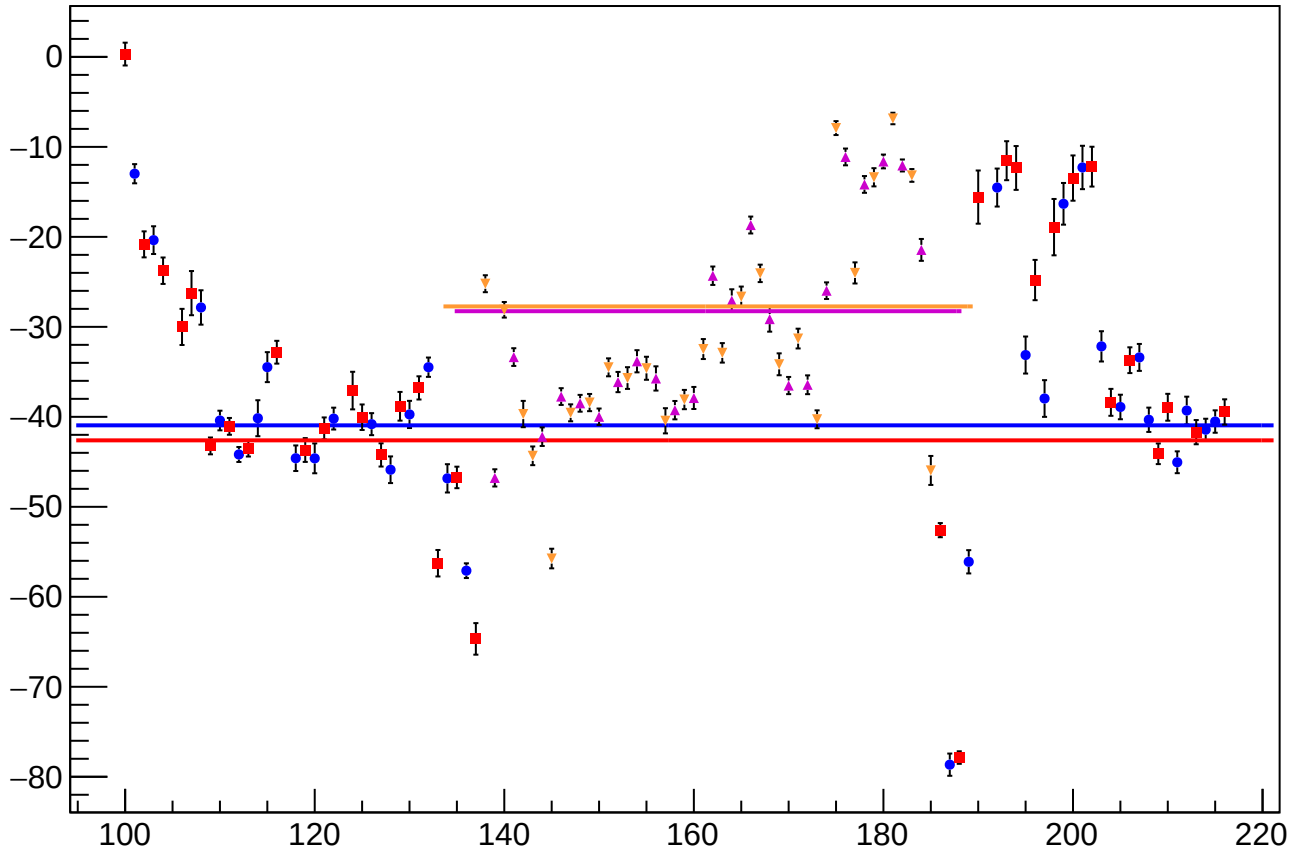
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.879+/-0.011 χ^2/NDF: 33433.7/64

In: -19.815+/-0.007 χ^2/NDF:62711.7/53

Out: -20.088+/-0.007 χ^2/NDF:103587.6/58

All: -19.952+/-0.005 χ^2/NDF: 167048.5/112



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: -42.614+/-0.228 χ^2/NDF: 5650.8/33

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

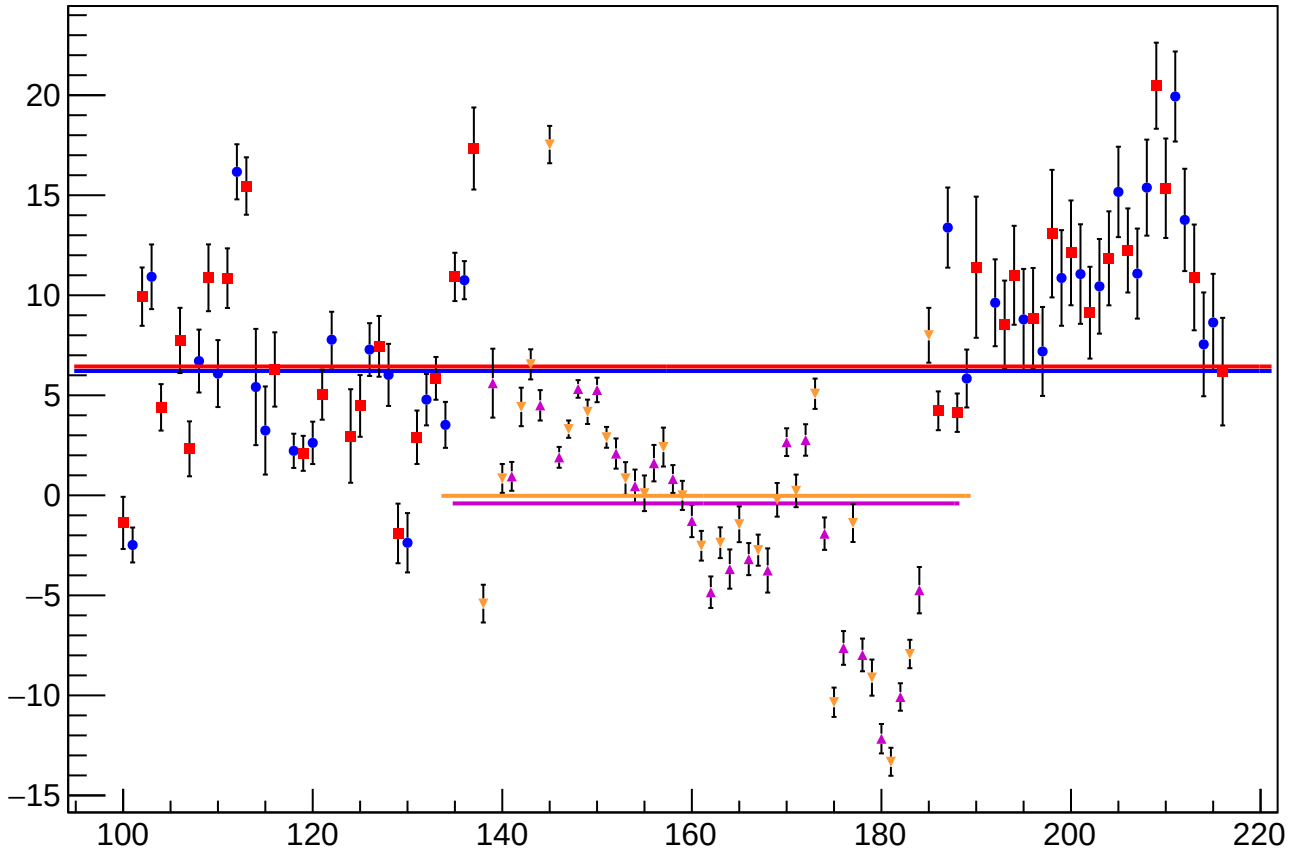
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.832+/-0.166 χ^2/NDF: 8647.7/64

In: -33.572+/-0.157 χ^2/NDF:7729.8/53

Out: -34.225+/-0.151 χ^2/NDF:12349.6/58

All: -33.912+/-0.109 χ^2/NDF: 20088.5/112



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: 6.441+/-0.264 χ^2/NDF: 320.3/33

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

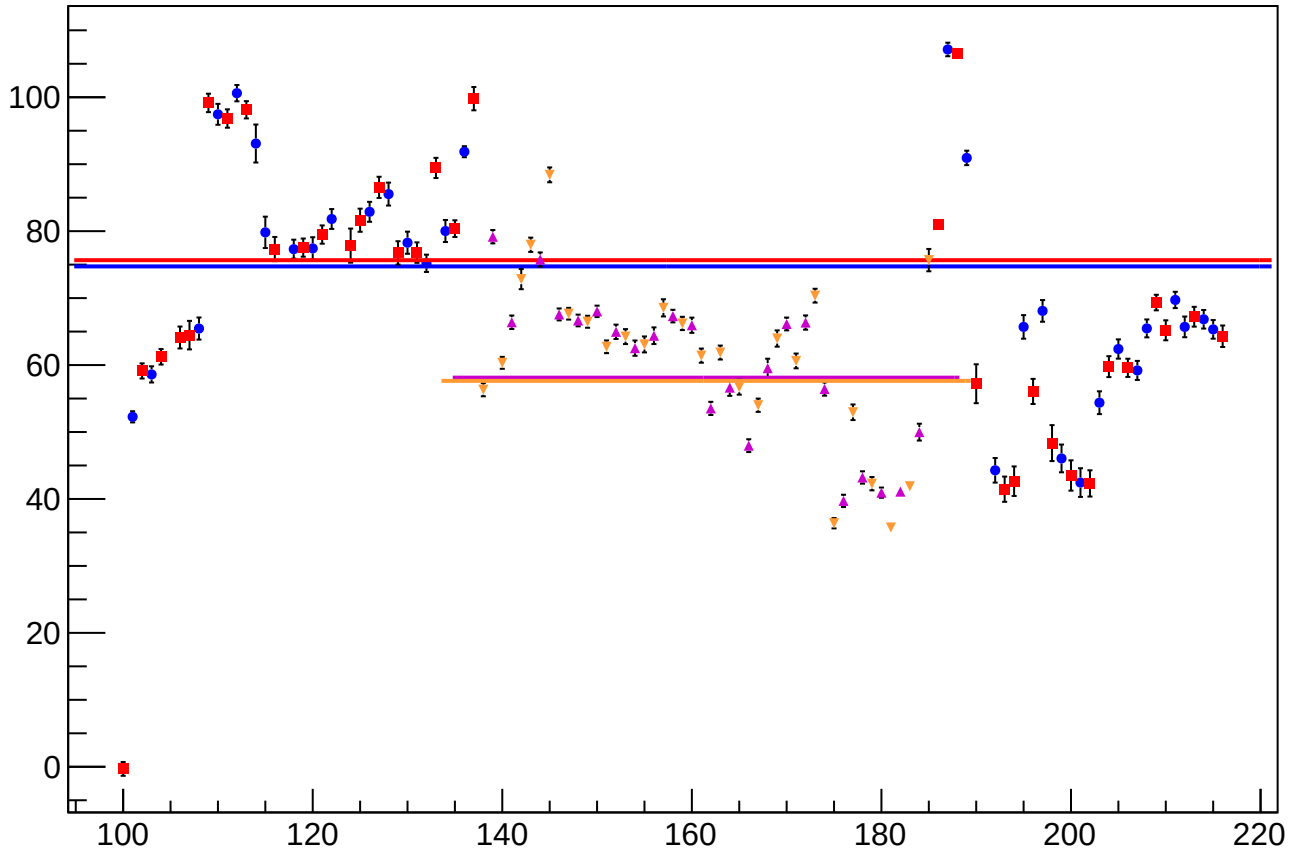
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.334+/-0.191 χ^2/NDF: 690.4/64

In: 1.182+/-0.136 χ^2/NDF:1888.2/53

Out: 1.556+/-0.131 χ^2/NDF:2304.9/58

All: 1.376+/-0.094 χ^2/NDF: 4197.1/112



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: 75.664+/-0.227 χ^2/NDF: 11863.2/33

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

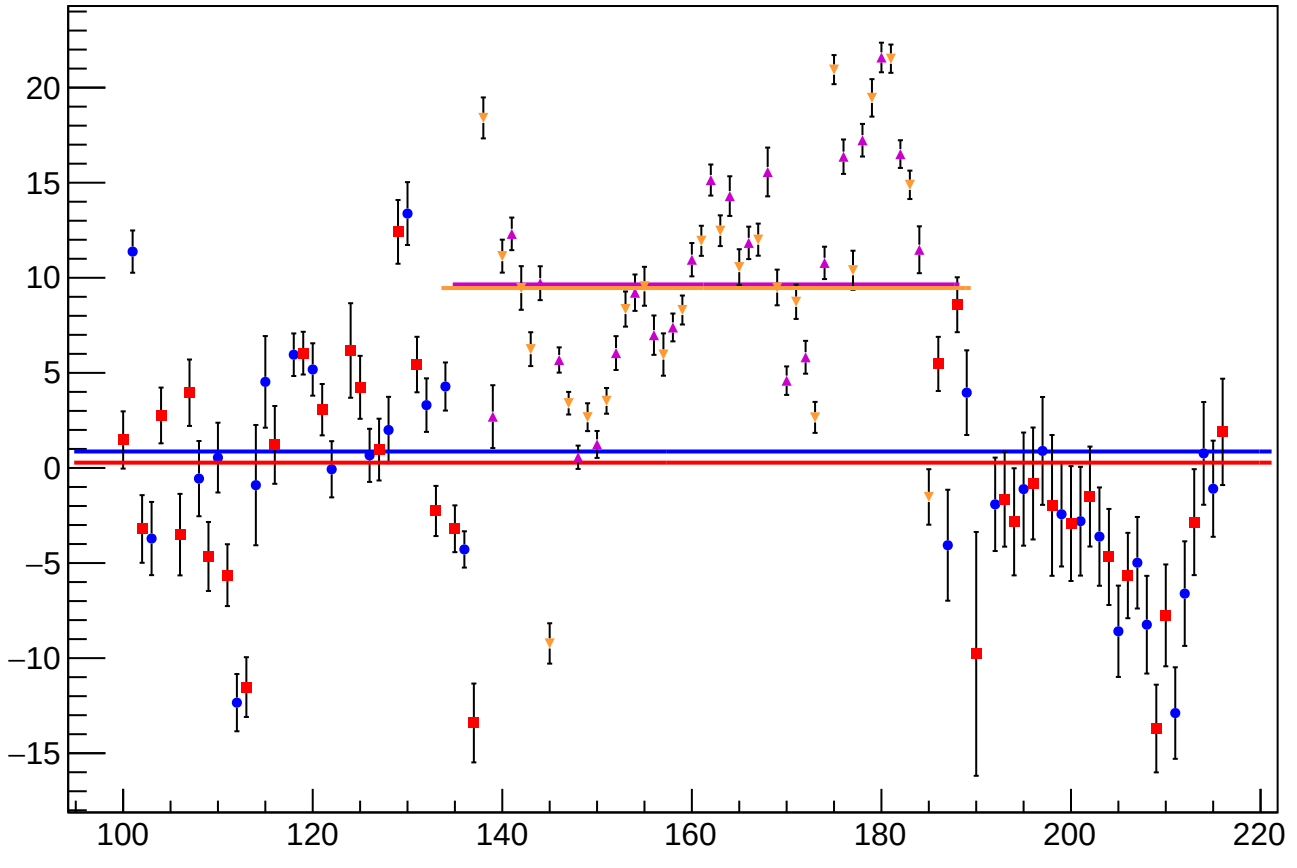
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 75.243+/-0.168 χ^2/NDF: 16552.6/64

In: 64.771+/-0.158 χ^2/NDF:10786.8/53

Out: 65.470+/-0.150 χ^2/NDF:20031.7/58

All: 65.139+/-0.109 χ^2/NDF: 30828.8/112



Right In: 0.866+/-0.320 χ^2/NDF: 390.5/30

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.280+/-0.312 χ^2/NDF: 365.3/33

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

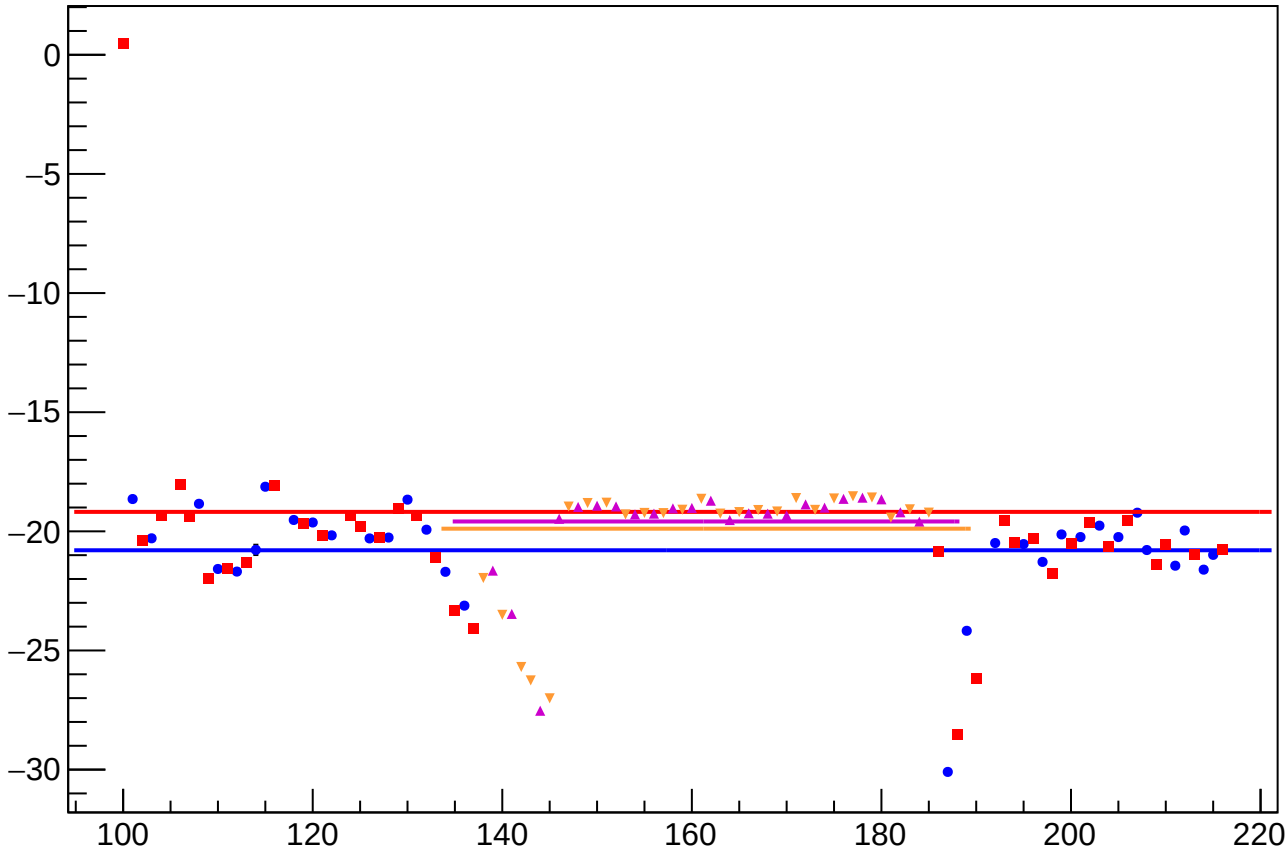
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 0.565+/-0.223 χ^2/NDF: 757.5/64

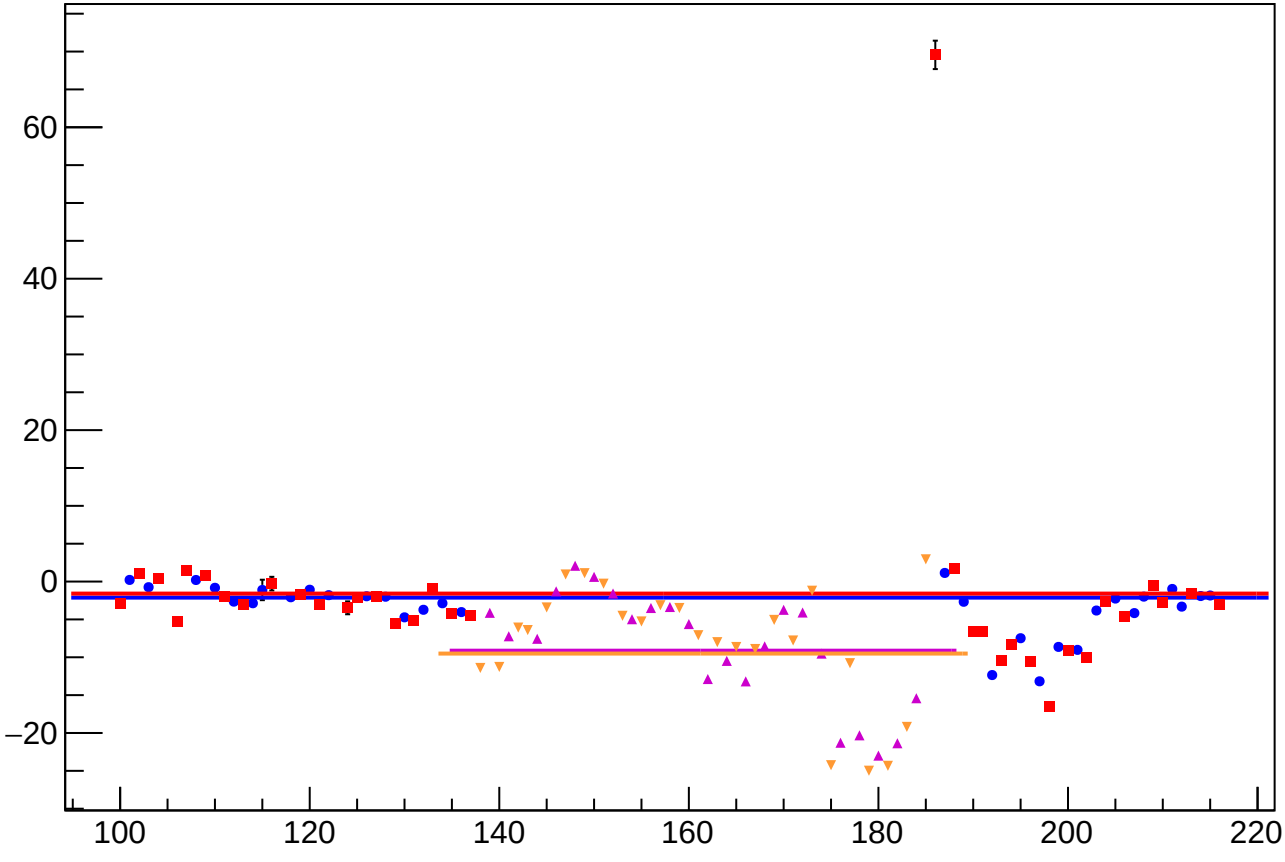
In: 7.596+/-0.155 χ^2/NDF:2047.6/53

Out: 7.323+/-0.150 χ^2/NDF:2514.5/58

All: 7.456+/-0.108 χ^2/NDF: 4563.7/112


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: -19.183+/-0.015 χ²/NDF: 172737.4/33
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.964+/-0.011 χ²/NDF: 190780.6/64
In: -19.837+/-0.007 χ²/NDF:62385.9/53
Out: -19.738+/-0.007 χ²/NDF:252962.9/58
All: -19.787+/-0.005 χ²/NDF: 315446.8/112

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.590+/-0.044 χ^2/NDF: 6986.6/34

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

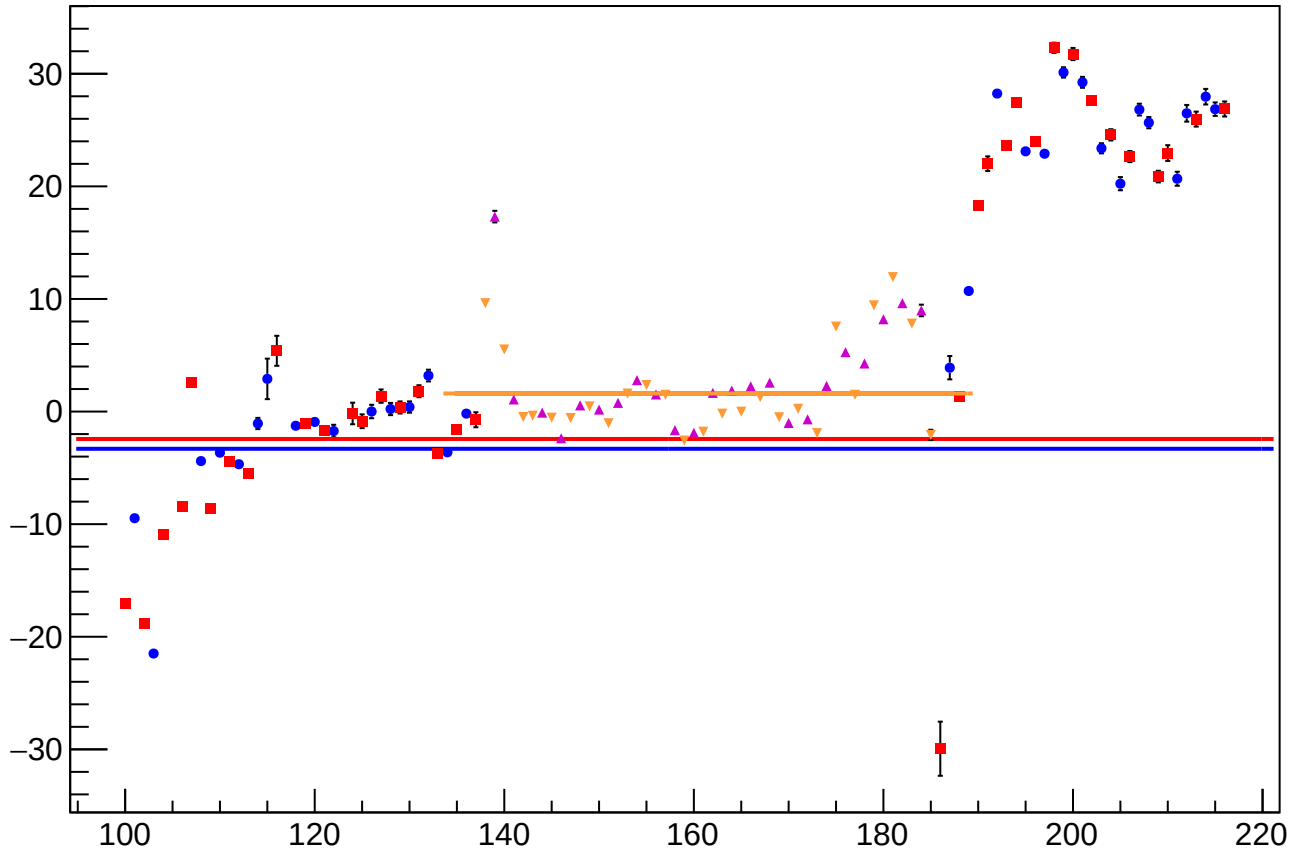
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.837+/-0.032 χ^2/NDF: 10419.1/65

In: -4.115+/-0.040 χ^2/NDF:20044.7/53

Out: -3.720+/-0.038 χ^2/NDF:28599.4/59

All: -3.906+/-0.027 χ^2/NDF: 48696.1/113



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: -2.433+/-0.052 χ^2/NDF: 70550.3/34

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

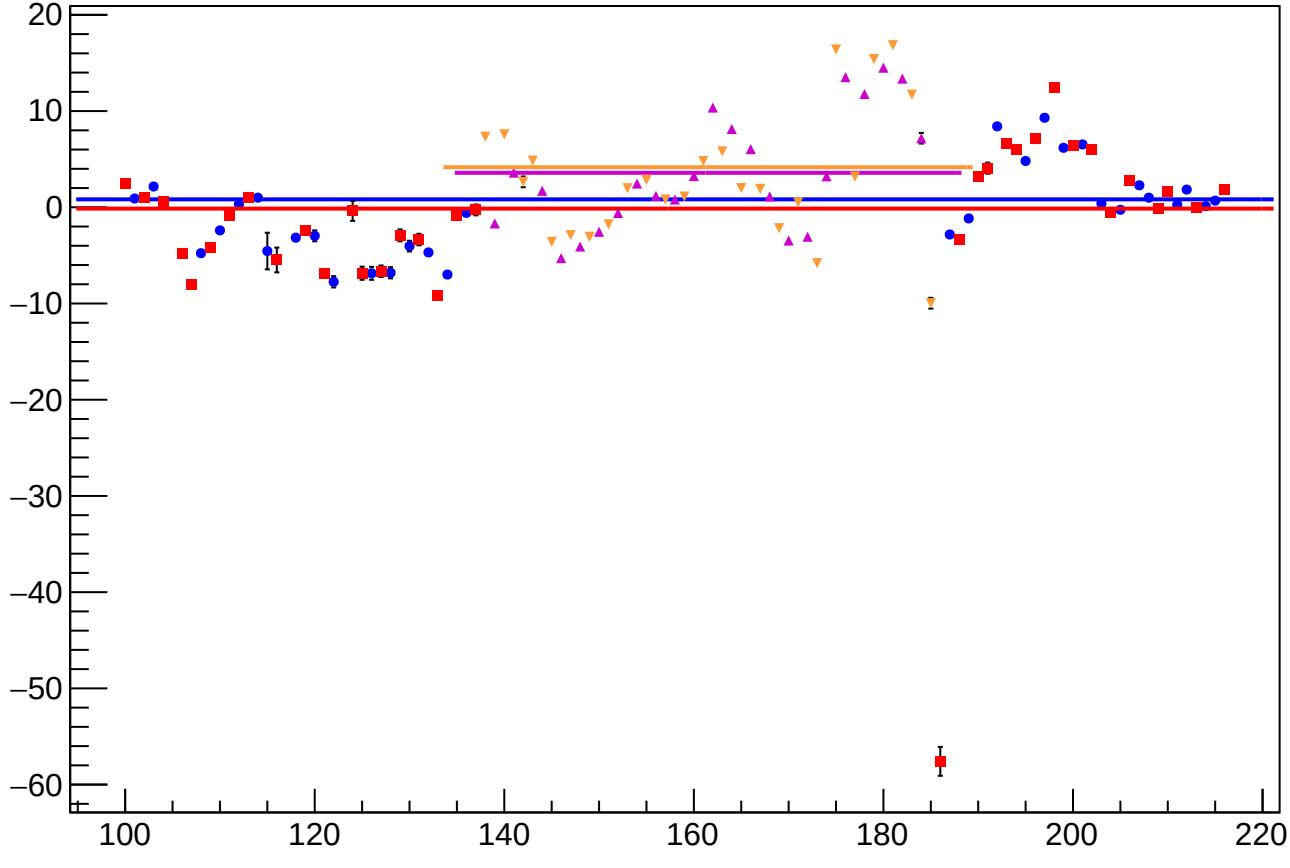
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -2.865+/-0.037 χ^2/NDF: 139828.2/65

In: -1.103+/-0.039 χ^2/NDF:76789.7/53

Out: -0.552+/-0.038 χ^2/NDF:78090.7/59

All: -0.821+/-0.027 χ^2/NDF: 154984.6/113



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: -0.137+/-0.045 χ^2/NDF: 8252.6/34

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

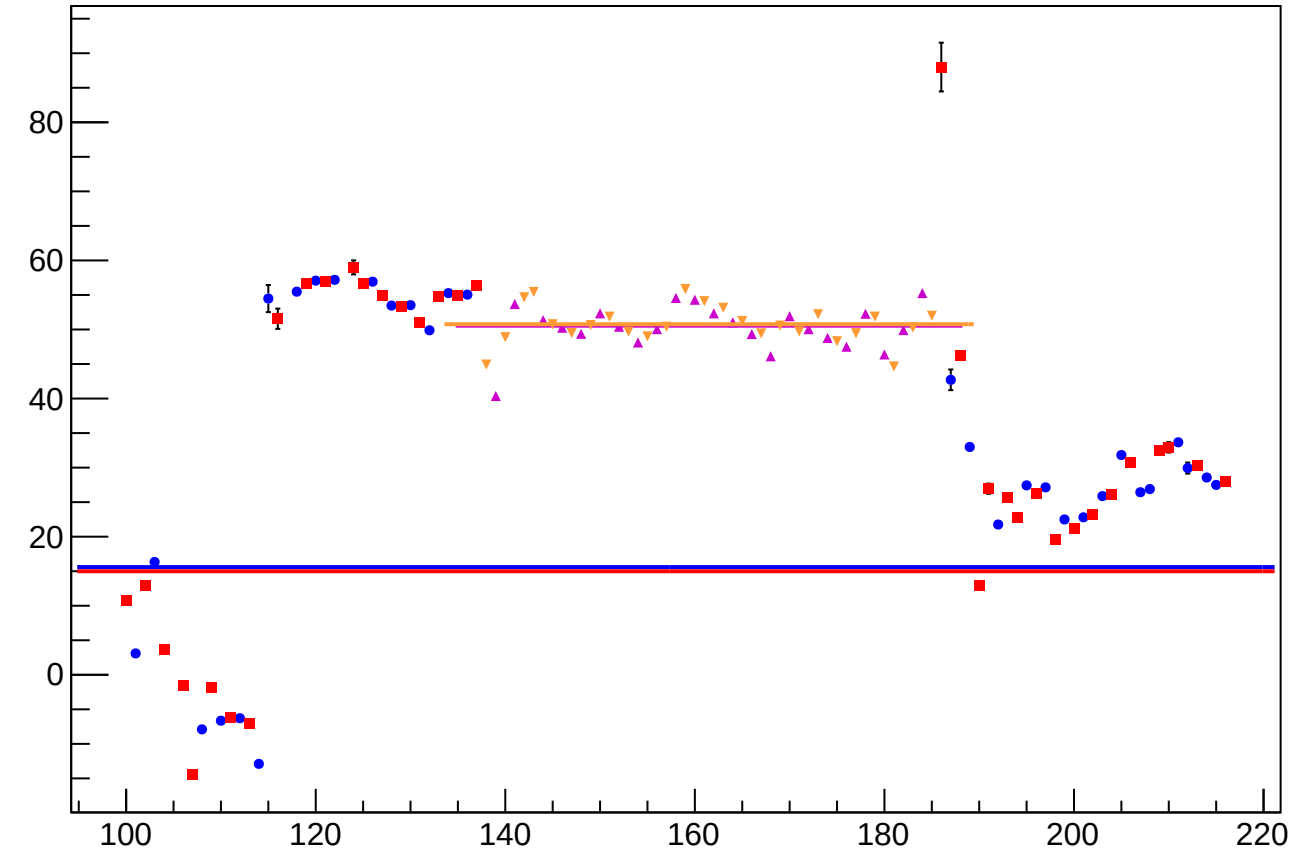
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.333+/-0.032 χ^2/NDF: 12665.8/65

In: 1.588+/-0.039 χ^2/NDF:12419.2/53

Out: 1.053+/-0.038 χ^2/NDF:20077.3/59

All: 1.314+/-0.027 χ^2/NDF: 32593.9/113



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: 14.993+/-0.061 χ^2/NDF: 133221.8/34

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

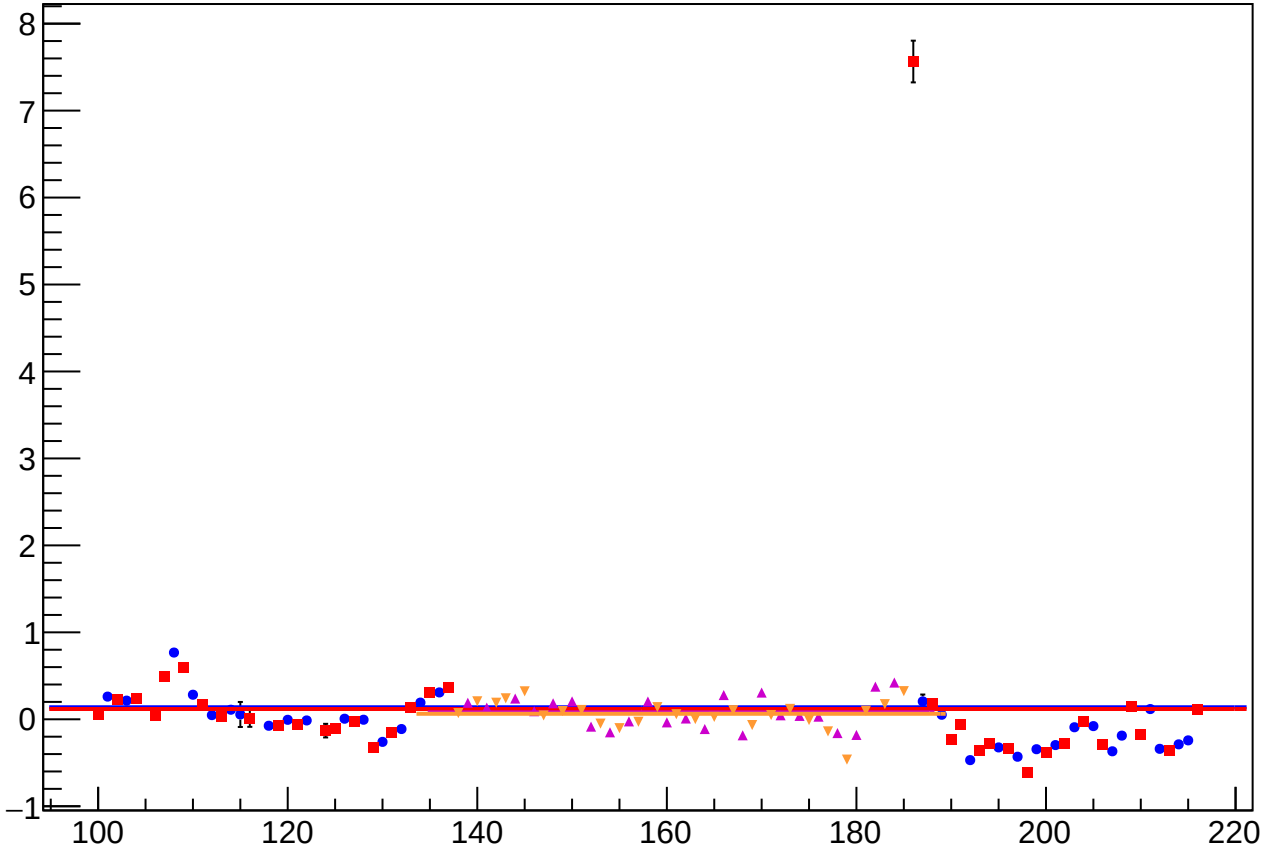
Right: 15.291+/-0.043 χ^2/NDF: 249891.1/65

In: 32.199+/-0.045 χ^2/NDF:271245.2/53

Out: 32.445+/-0.044 χ^2/NDF:303012.5/59

All: 32.325+/-0.031 χ^2/NDF: 574273.2/113

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: 0.118+/-0.002 χ^2/NDF: 13204.7/34

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

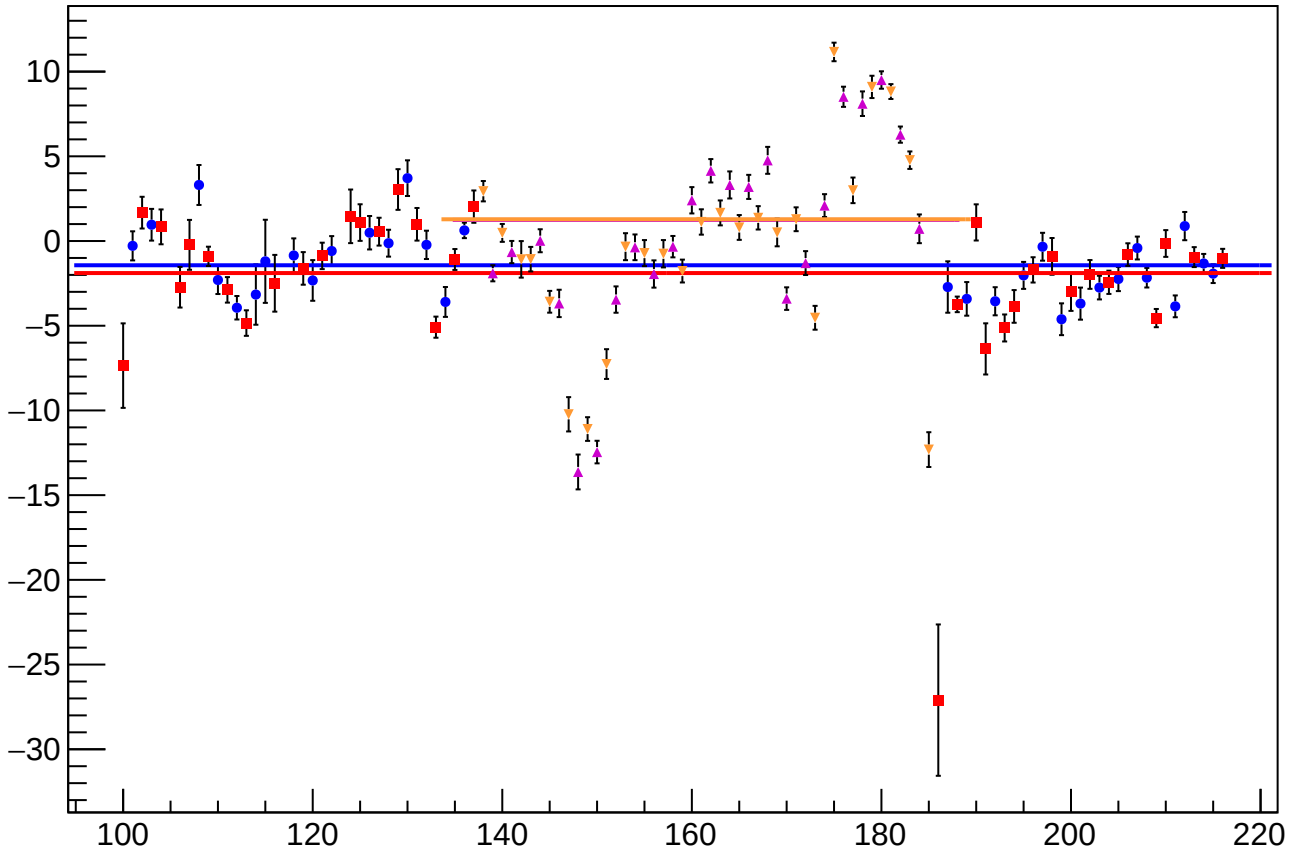
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.128+/-0.002 χ^2/NDF: 27168.3/65

In: 0.113+/-0.002 χ^2/NDF:17622.0/53

Out: 0.095+/-0.002 χ^2/NDF:15996.8/59

All: 0.104+/-0.001 χ^2/NDF: 33666.6/113



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: -1.891+/-0.137 χ^2/NDF: 266.4/34

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

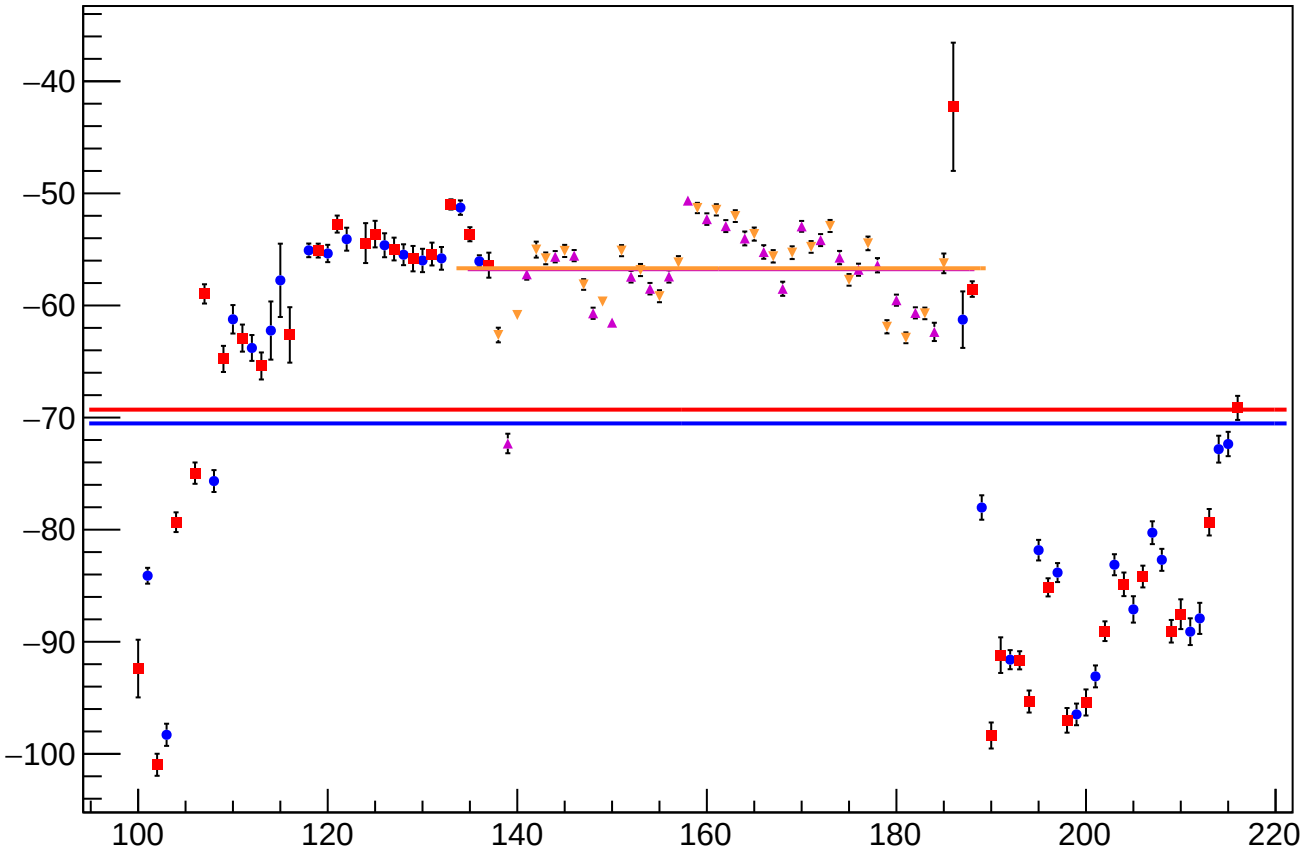
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.670+/-0.099 χ^2/NDF: 434.2/65

In: -0.068+/-0.100 χ^2/NDF:1853.3/53

Out: -0.299+/-0.097 χ^2/NDF:2249.6/59

All: -0.187+/-0.070 χ^2/NDF: 4105.7/113



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: -69.292+/-0.161 χ^2/NDF: 11296.8/34

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

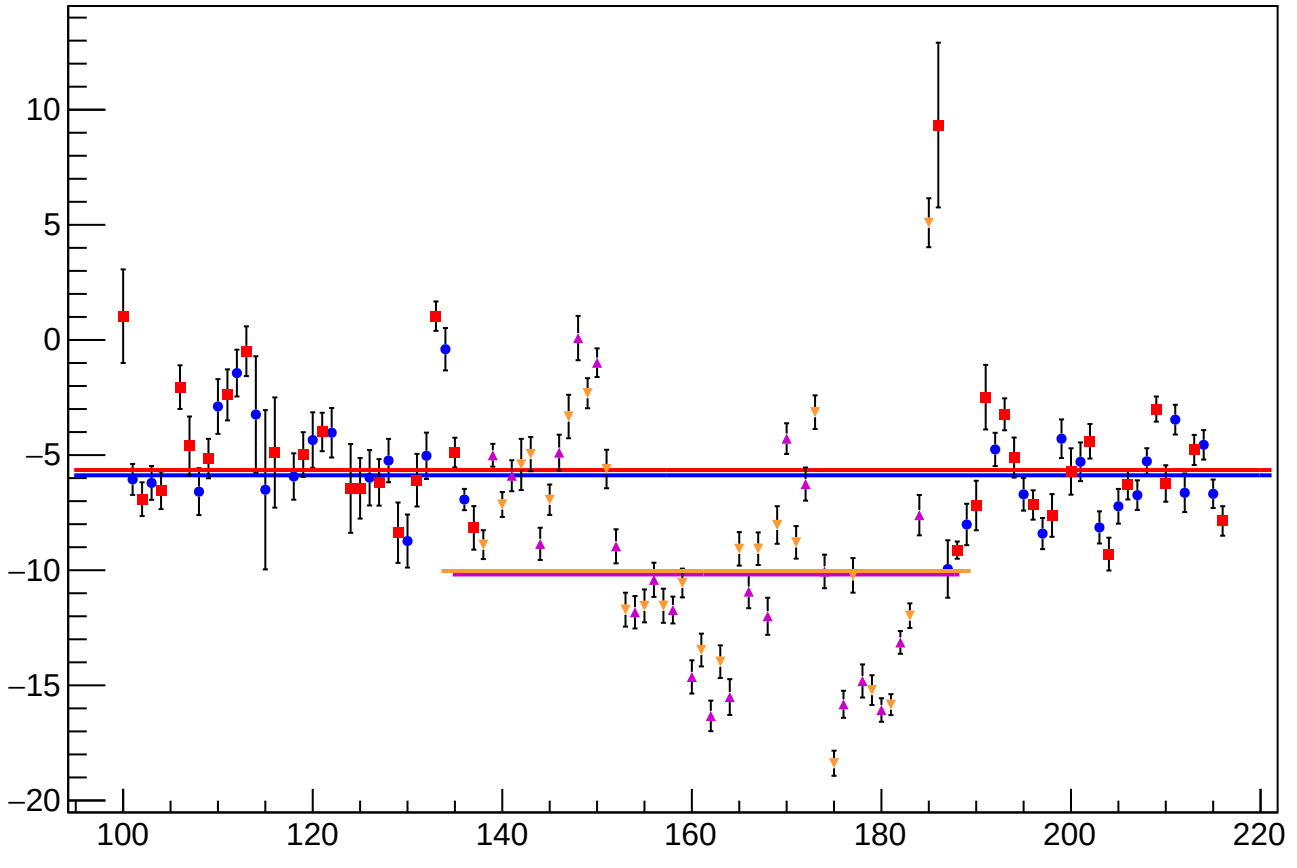
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.872+/-0.117 χ^2/NDF: 19780.1/65

In: -60.923+/-0.094 χ^2/NDF:14127.5/53

Out: -60.565+/-0.089 χ^2/NDF:16573.1/59

All: -60.735+/-0.065 χ^2/NDF: 30708.3/113



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: -5.649+/-0.138 χ^2/NDF: 391.7/34

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

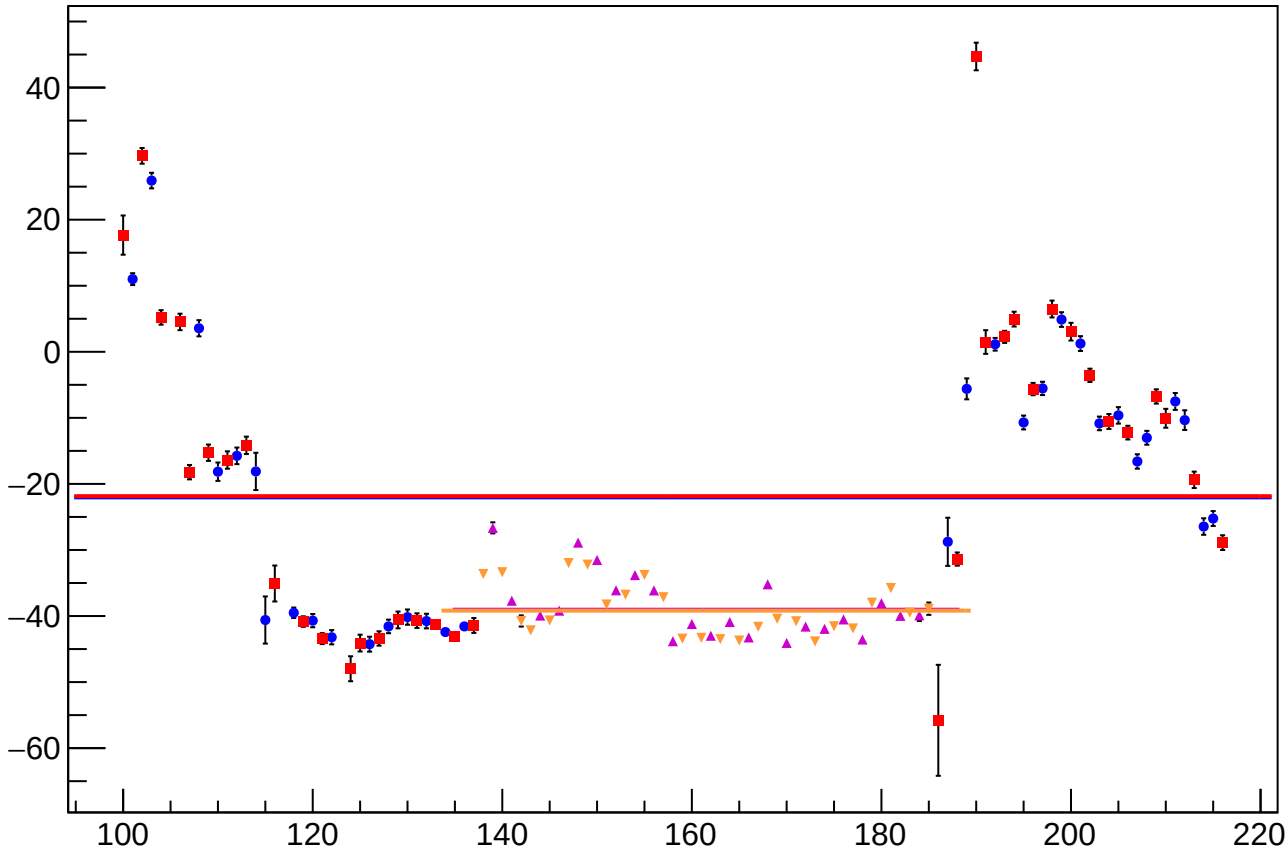
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.758+/-0.100 χ^2/NDF: 548.4/65

In: -8.111+/-0.100 χ^2/NDF:1759.2/53

Out: -7.864+/-0.097 χ^2/NDF:2086.9/59

All: -7.983+/-0.070 χ^2/NDF: 3849.2/113



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: -21.856+/-0.186 χ^2/NDF: 12988.2/34

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

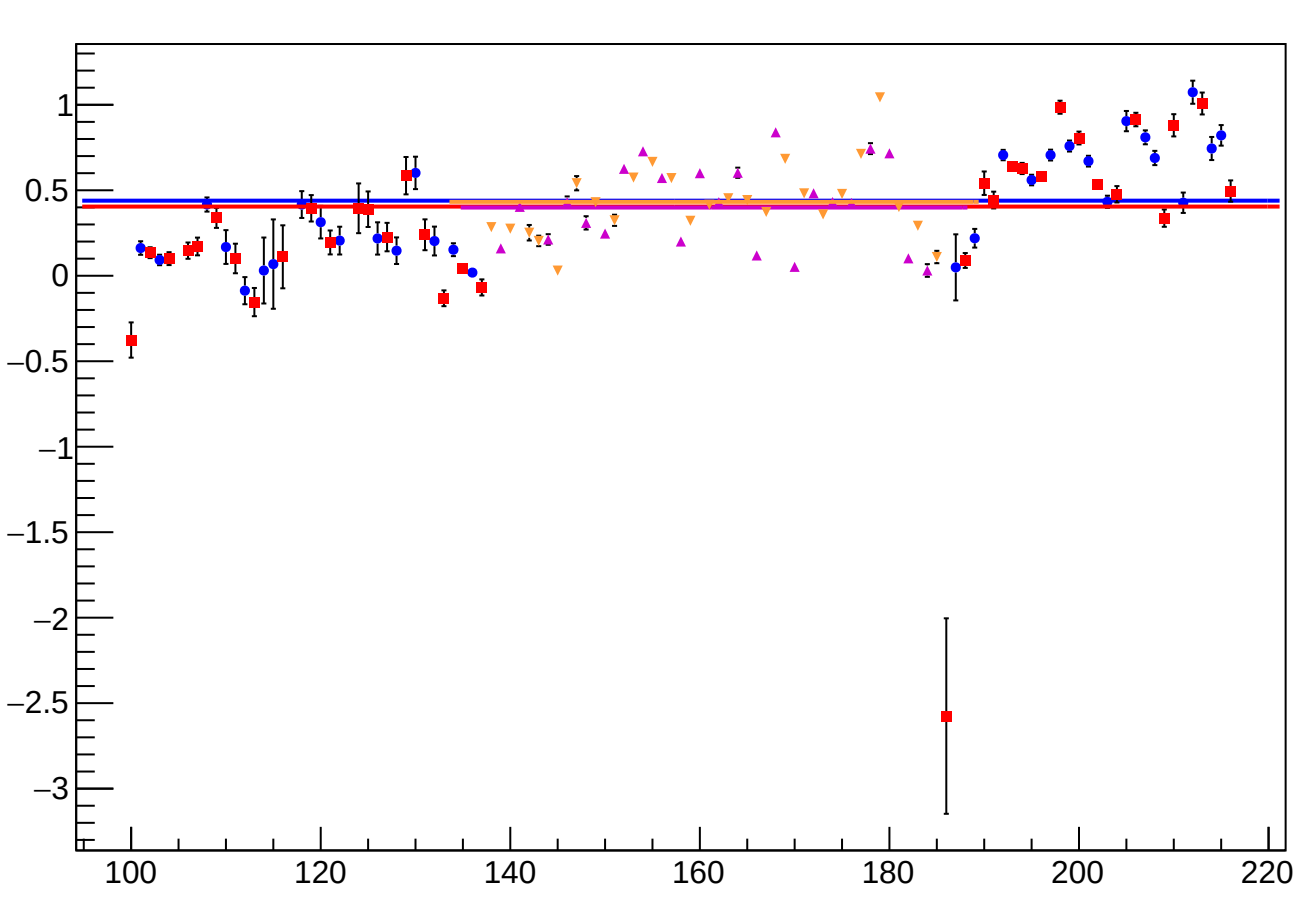
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -21.941+/-0.134 χ^2/NDF: 23723.9/65

In: -34.048+/-0.104 χ^2/NDF:17467.5/53

Out: -34.074+/-0.101 χ^2/NDF:20169.3/59

All: -34.061+/-0.073 χ^2/NDF: 37636.8/113



Right In: 0.439+/-0.008 χ^2/NDF: 1378.9/30

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.405+/-0.008 χ^2/NDF: 1686.4/34

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

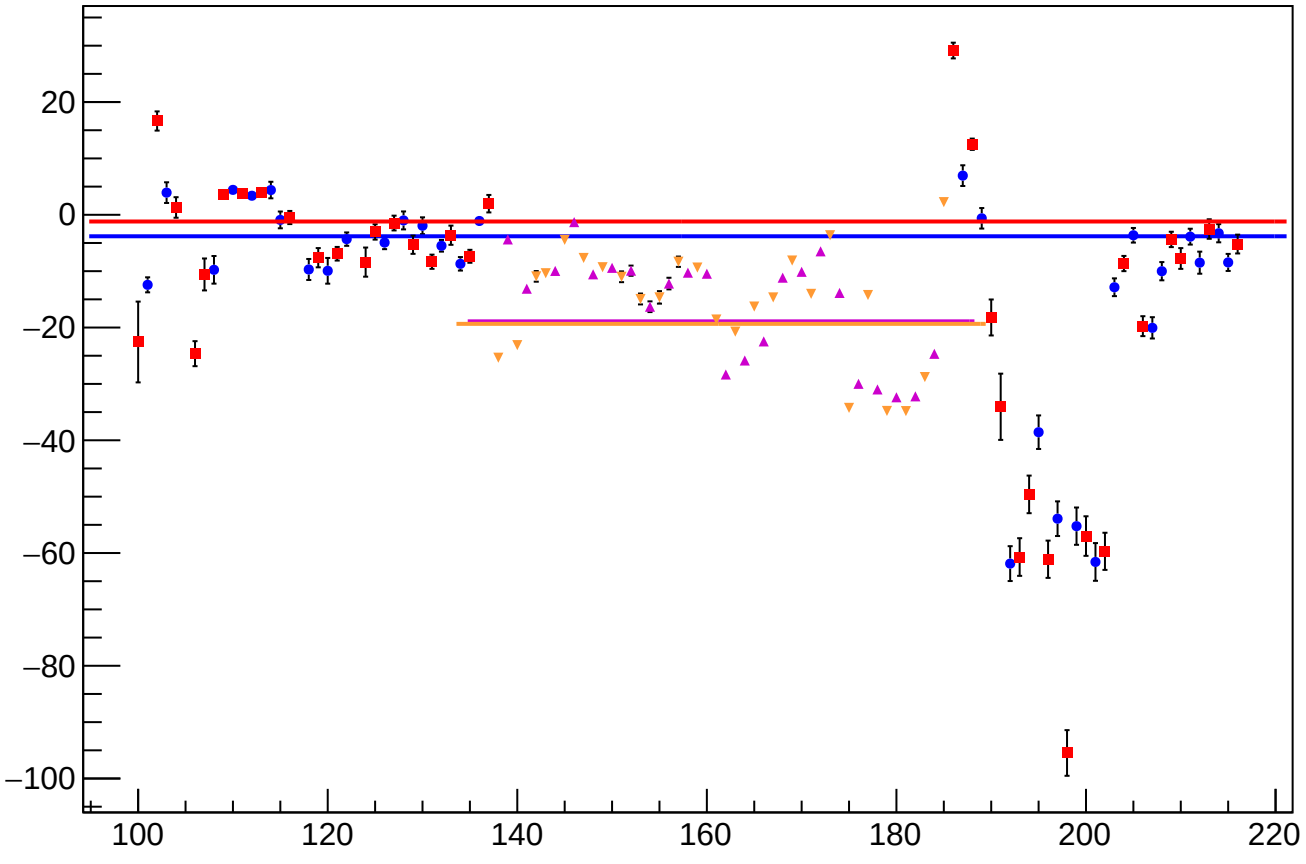
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.421+/-0.006 χ^2/NDF: 3074.5/65

In: 0.411+/-0.004 χ^2/NDF:3319.8/53

Out: 0.424+/-0.004 χ^2/NDF:3063.4/59

All: 0.417+/-0.003 χ^2/NDF: 6387.4/113



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: -1.189+/-0.232 χ^2/NDF: 3400.1/34

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

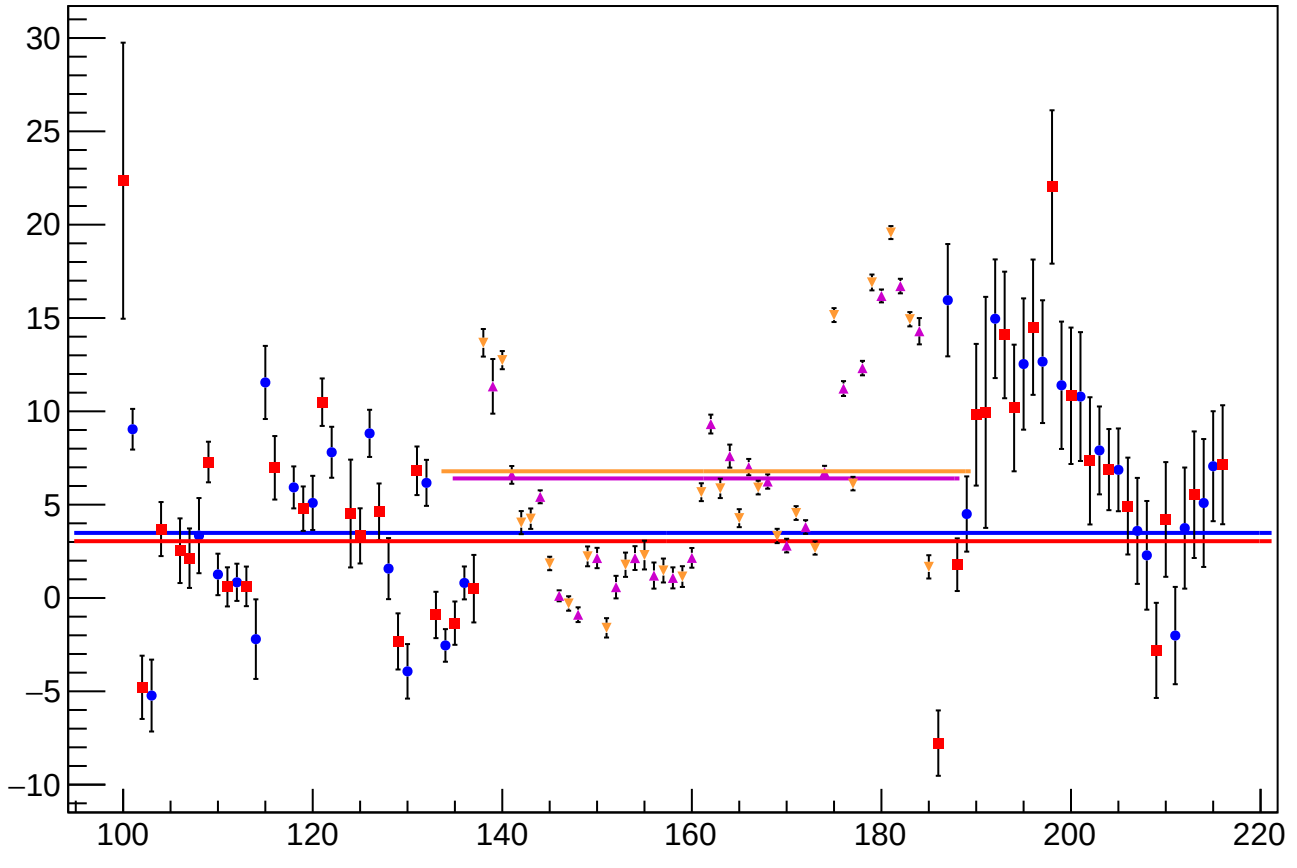
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

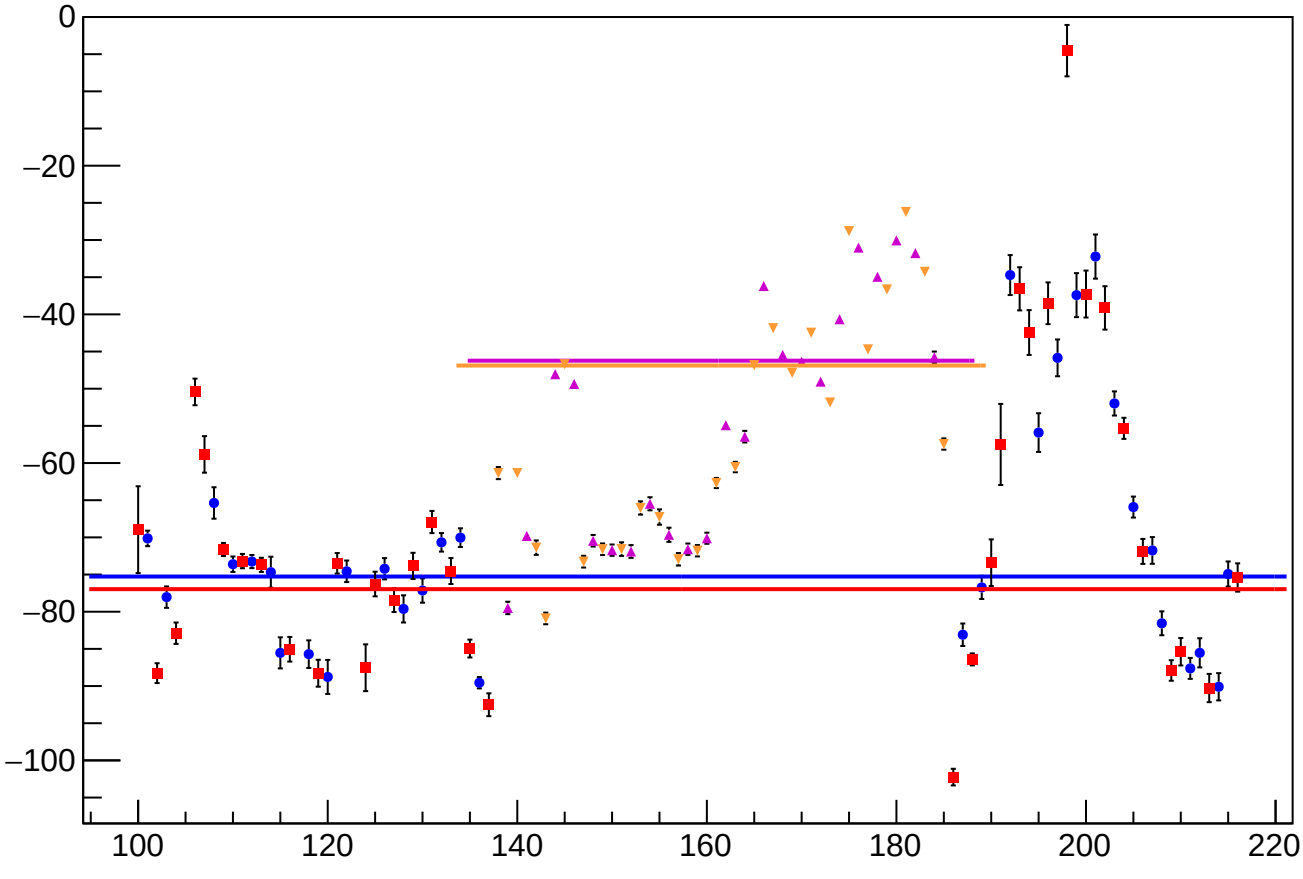
Right: -2.441+/-0.167 χ^2/NDF: 5355.5/65

In: -16.080+/-0.105 χ^2/NDF:13337.8/53

Out: -15.836+/-0.102 χ^2/NDF:18755.3/59

All: -15.955+/-0.073 χ^2/NDF: 32095.9/113


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
220
Right In: 3.487+/-0.288 χ²/NDF: 270.9/30
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 3.043+/-0.291 χ²/NDF: 252.5/34
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.267+/-0.205 χ²/NDF: 524.6/65
In: 6.138+/-0.087 χ²/NDF:3774.6/53
Out: 6.460+/-0.086 χ²/NDF:5036.4/59
All: 6.301+/-0.061 χ²/NDF: 8817.8/113



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: -76.966+/-0.262 χ^2/NDF: 3011.4/34

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

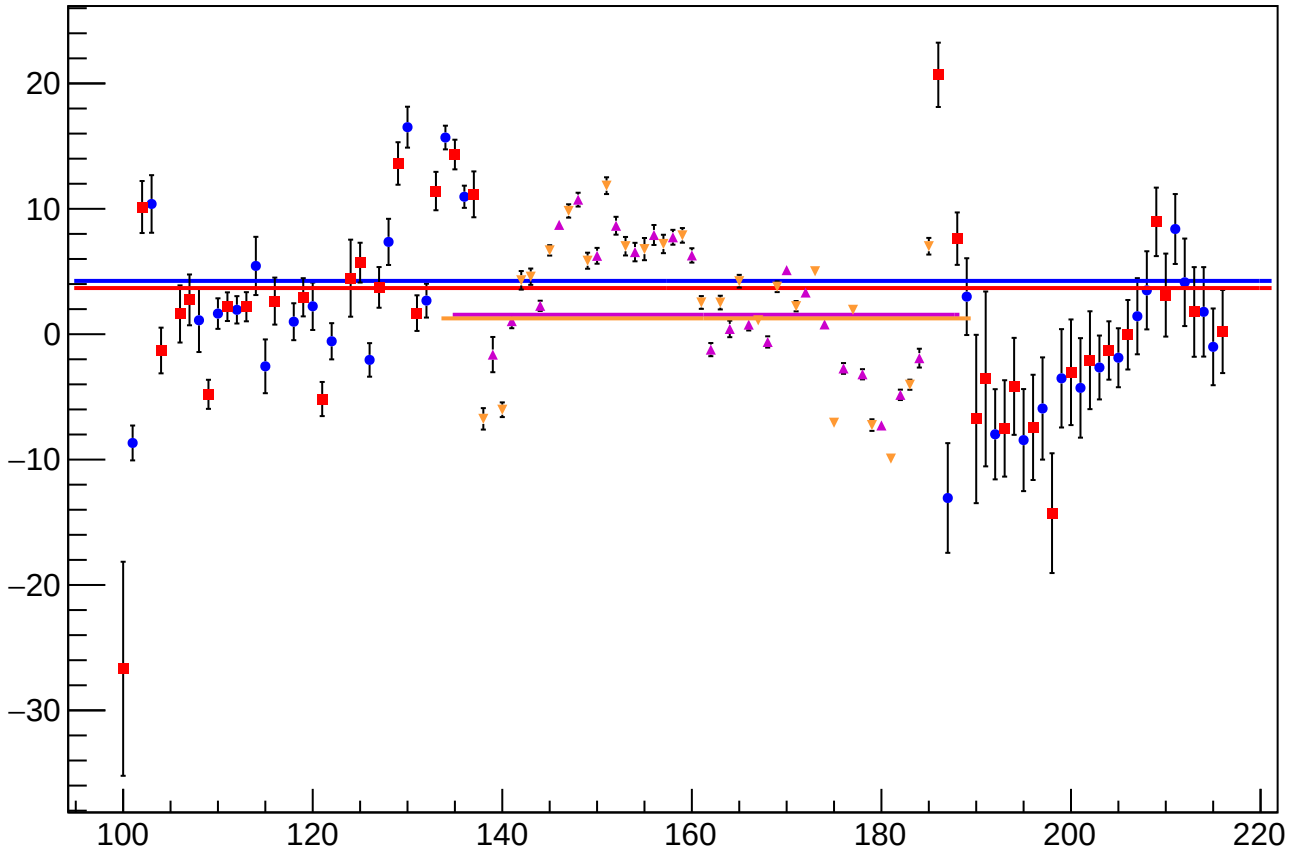
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -76.138+/-0.187 χ^2/NDF: 4831.5/65

In: -50.827+/-0.107 χ^2/NDF:26841.3/53

Out: -51.676+/-0.104 χ^2/NDF:32102.2/59

All: -51.261+/-0.075 χ^2/NDF: 58975.9/113



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: 3.681+/-0.331 χ^2/NDF: 392.8/34

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

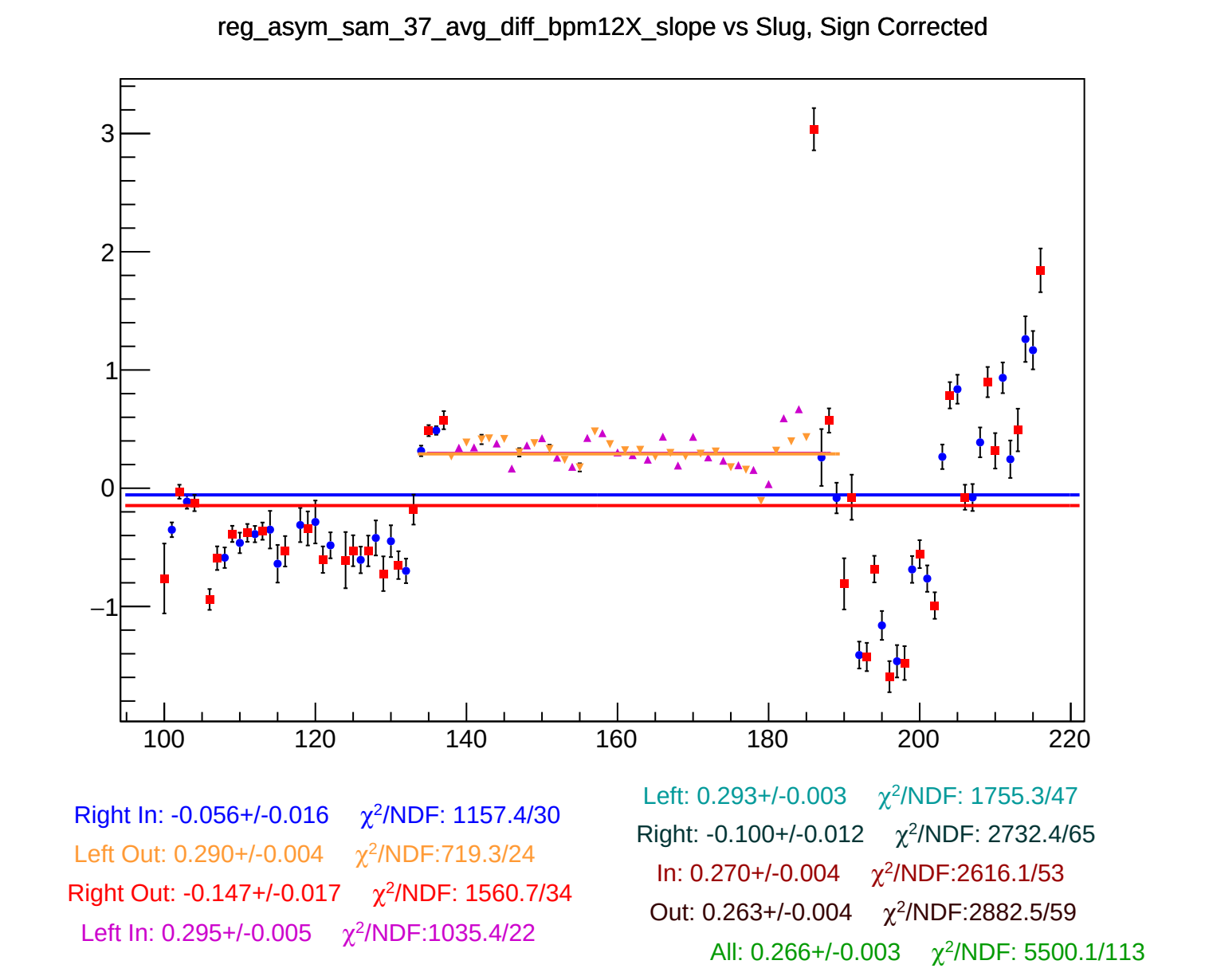
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

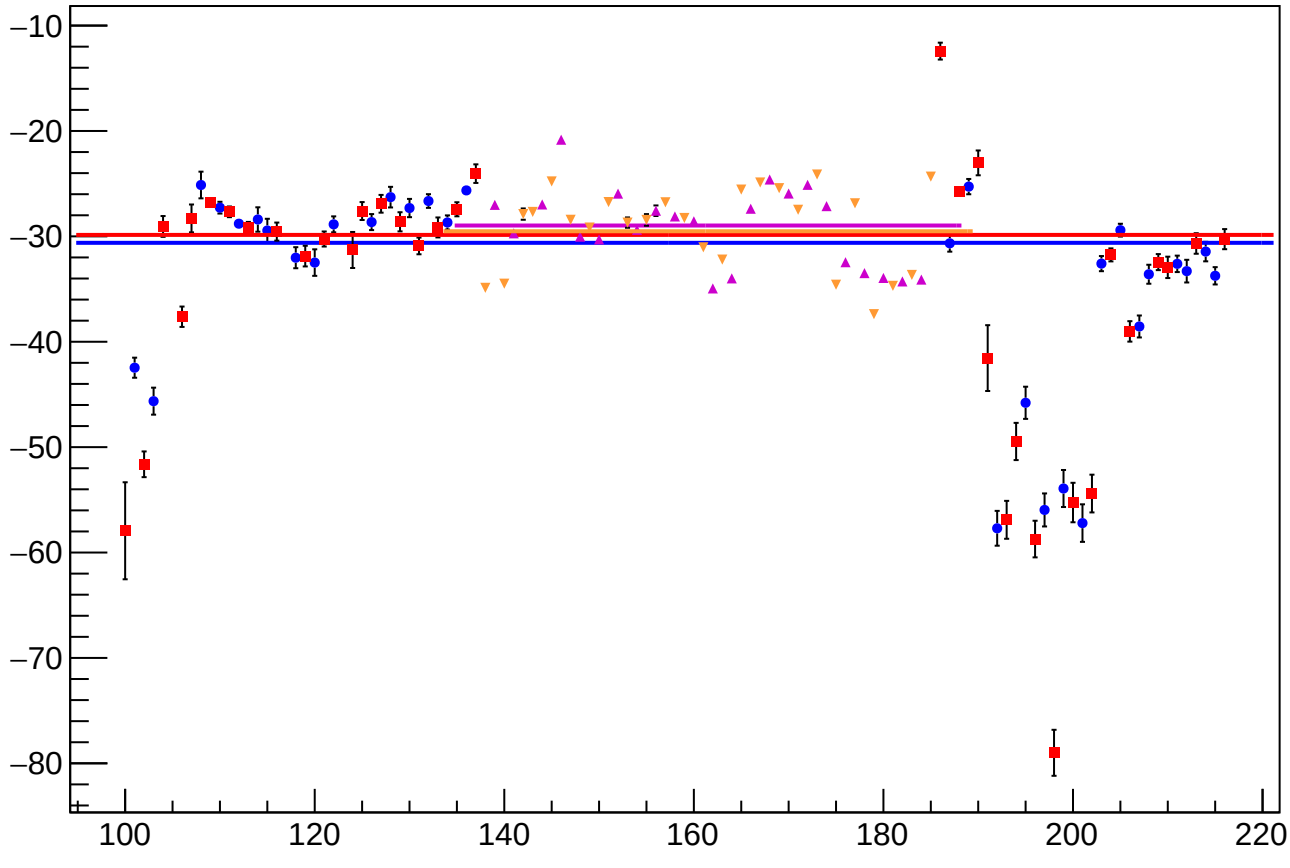
Right: 3.973+/-0.231 χ^2/NDF: 885.6/65

In: 1.796+/-0.097 χ^2/NDF:2890.6/53

Out: 1.466+/-0.096 χ^2/NDF:3887.4/59

All: 1.629+/-0.068 χ^2/NDF: 6783.9/113


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: -0.147+/-0.017 χ²/NDF: 1560.7/34
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.100+/-0.012 χ²/NDF: 2732.4/65
In: 0.270+/-0.004 χ²/NDF:2616.1/53
Out: 0.263+/-0.004 χ²/NDF:2882.5/59
All: 0.266+/-0.003 χ²/NDF: 5500.1/113



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: -29.862+/-0.144 χ^2/NDF: 2806.0/34

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

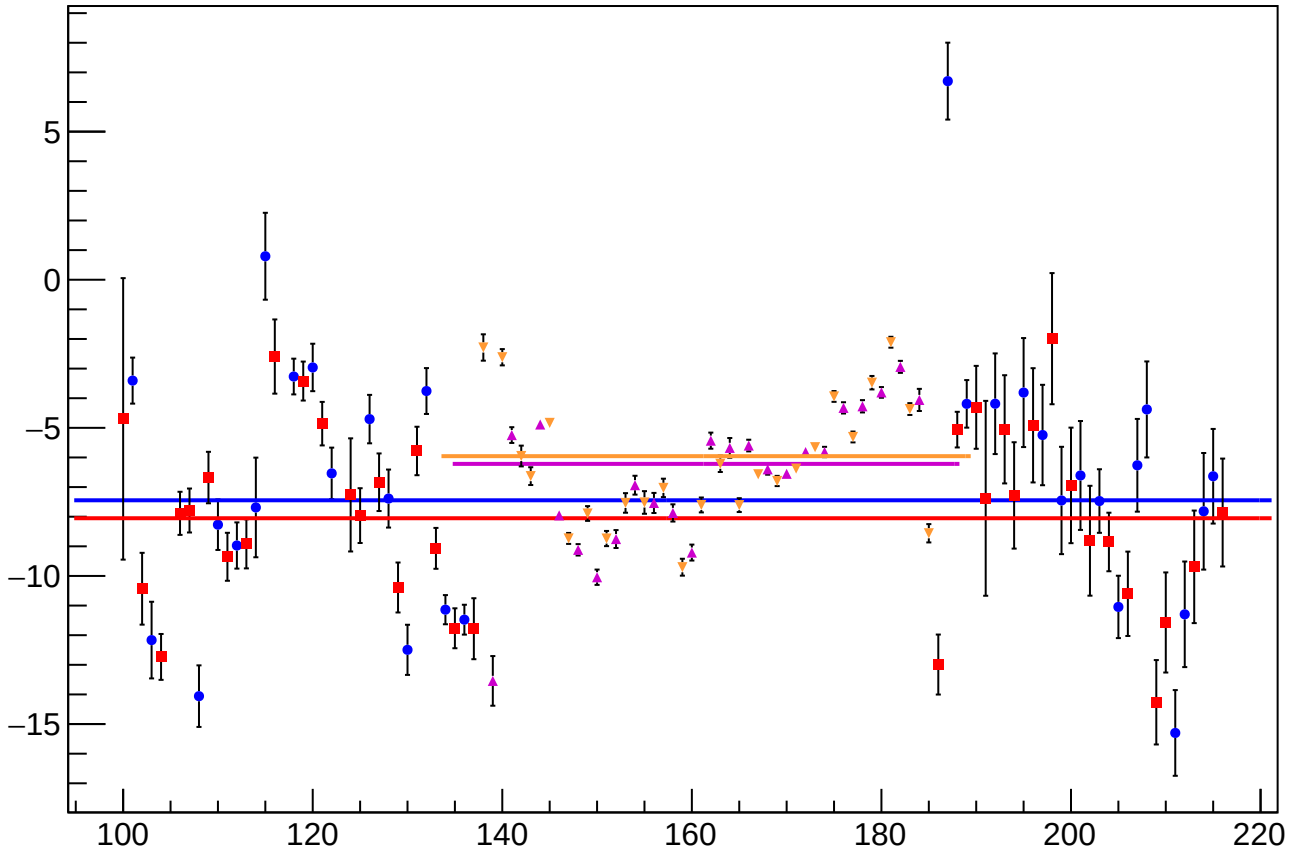
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.229+/-0.103 χ^2/NDF: 4603.2/65

In: -29.185+/-0.053 χ^2/NDF:7240.8/53

Out: -29.562+/-0.052 χ^2/NDF:8899.4/59

All: -29.376+/-0.037 χ^2/NDF: 16165.7/113



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: -8.052+/-0.170 χ^2/NDF: 294.7/34

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

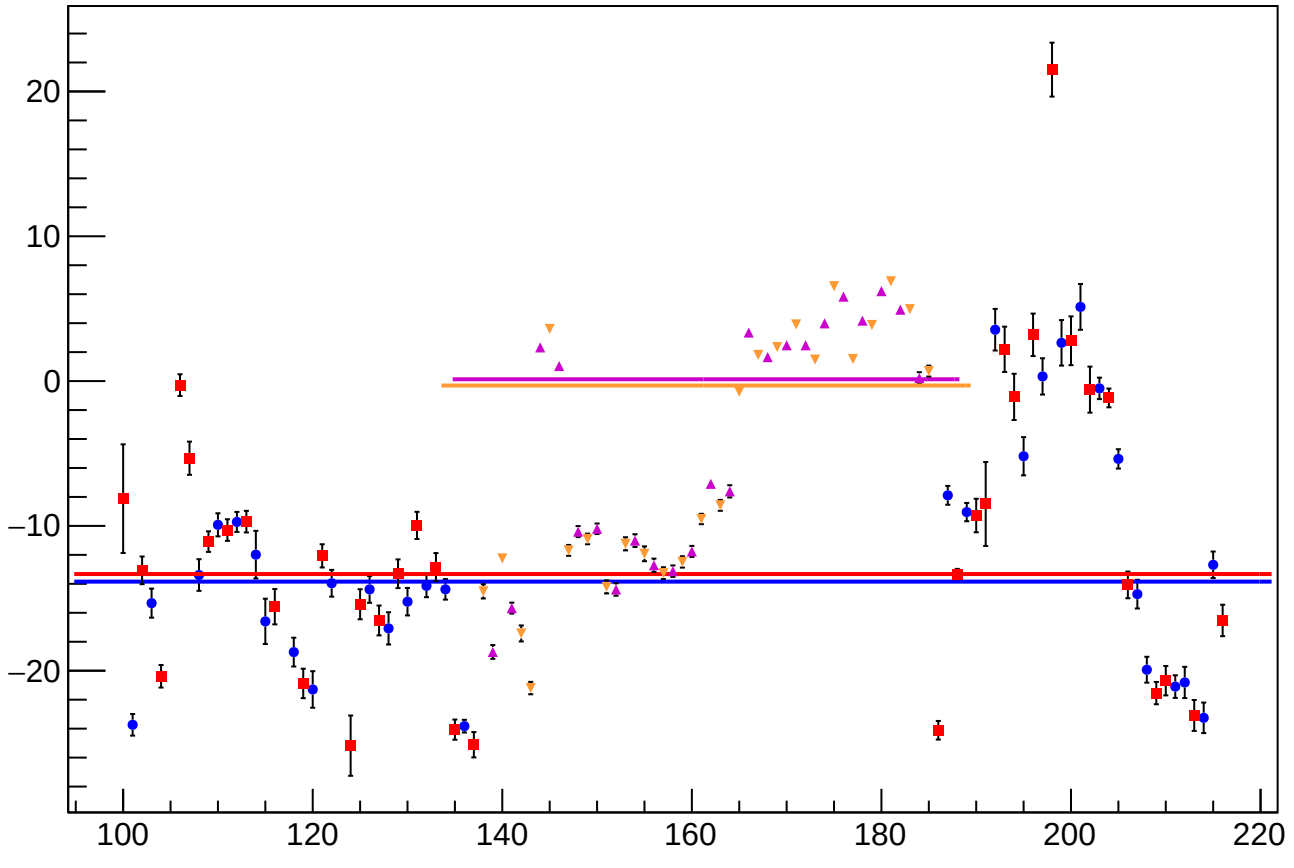
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.752+/-0.121 χ^2/NDF: 883.2/65

In: -6.293+/-0.043 χ^2/NDF:2372.2/53

Out: -6.091+/-0.043 χ^2/NDF:2295.4/59

All: -6.193+/-0.030 χ^2/NDF: 4678.8/113



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: -13.325+/-0.150 χ^2/NDF: 2723.9/34

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

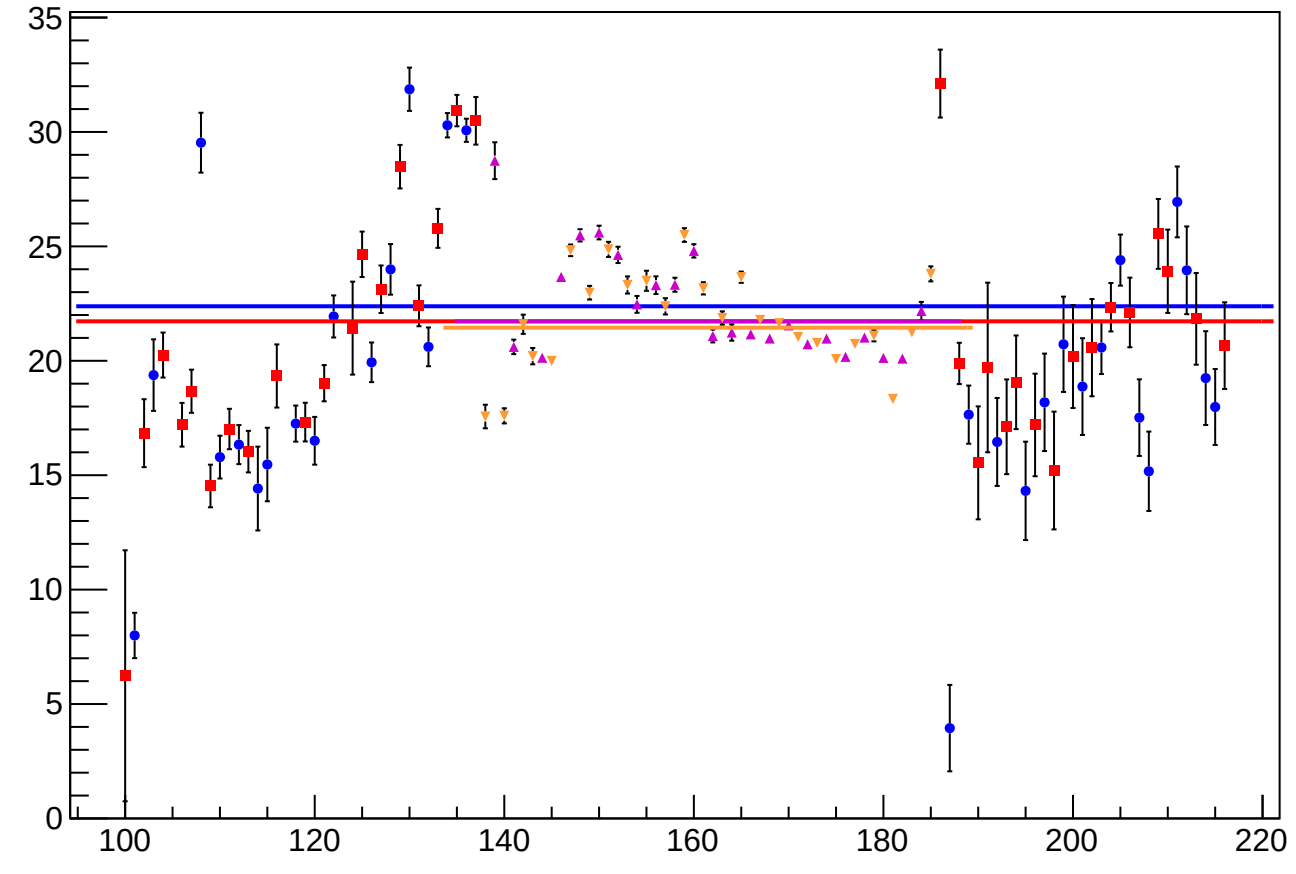
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -13.577+/-0.108 χ^2/NDF: 5016.9/65

In: -1.521+/-0.054 χ^2/NDF:23205.1/53

Out: -1.925+/-0.053 χ^2/NDF:26494.1/59

All: -1.725+/-0.038 χ^2/NDF: 49728.0/113



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: 21.725+/-0.198 χ^2/NDF: 644.3/34

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

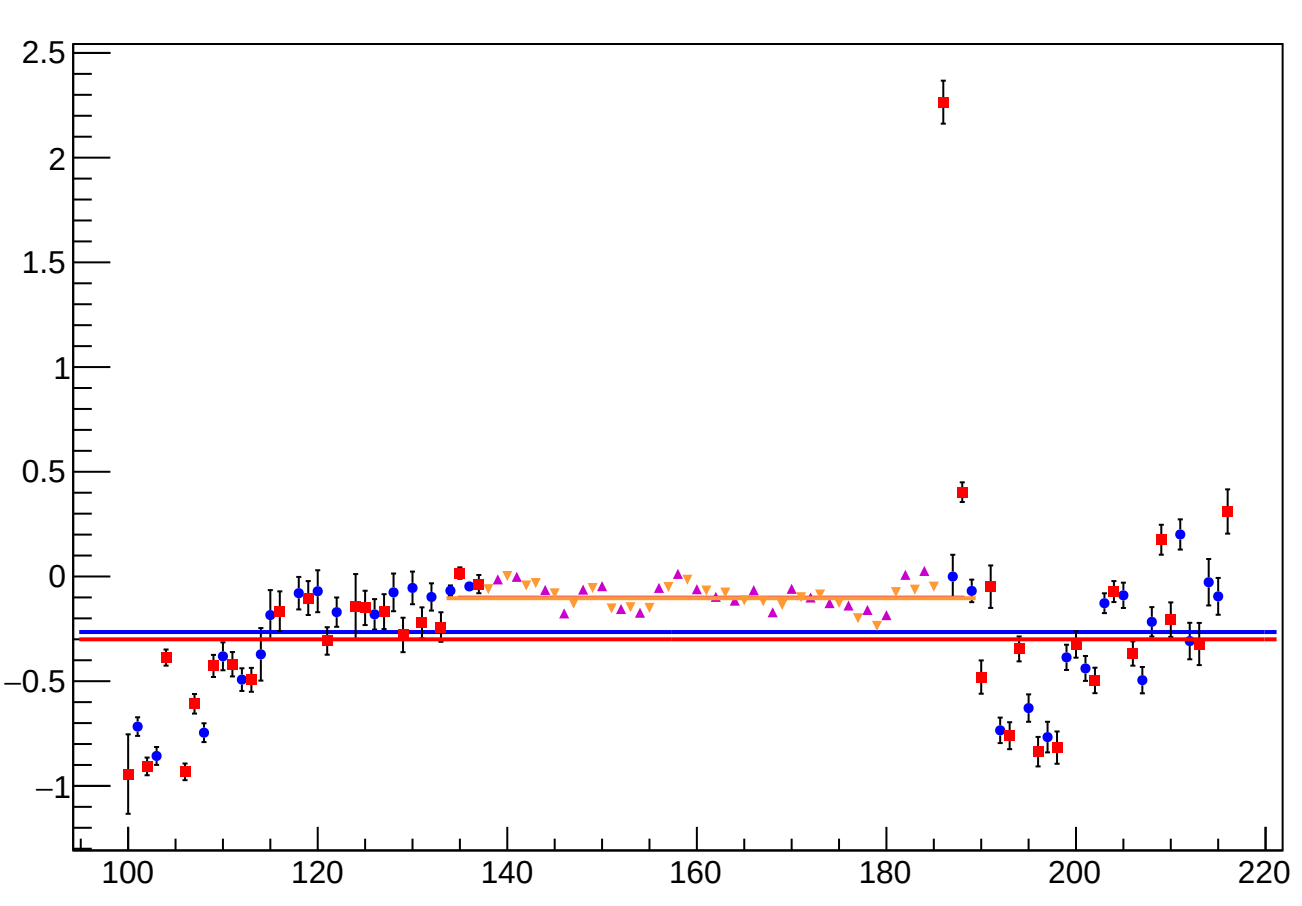
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.060+/-0.138 χ^2/NDF: 1862.8/65

In: 21.766+/-0.048 χ^2/NDF:2397.4/53

Out: 21.463+/-0.048 χ^2/NDF:1971.4/59

All: 21.614+/-0.034 χ^2/NDF: 4388.5/113



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: -0.300+/-0.010 χ^2/NDF: 1854.8/34

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

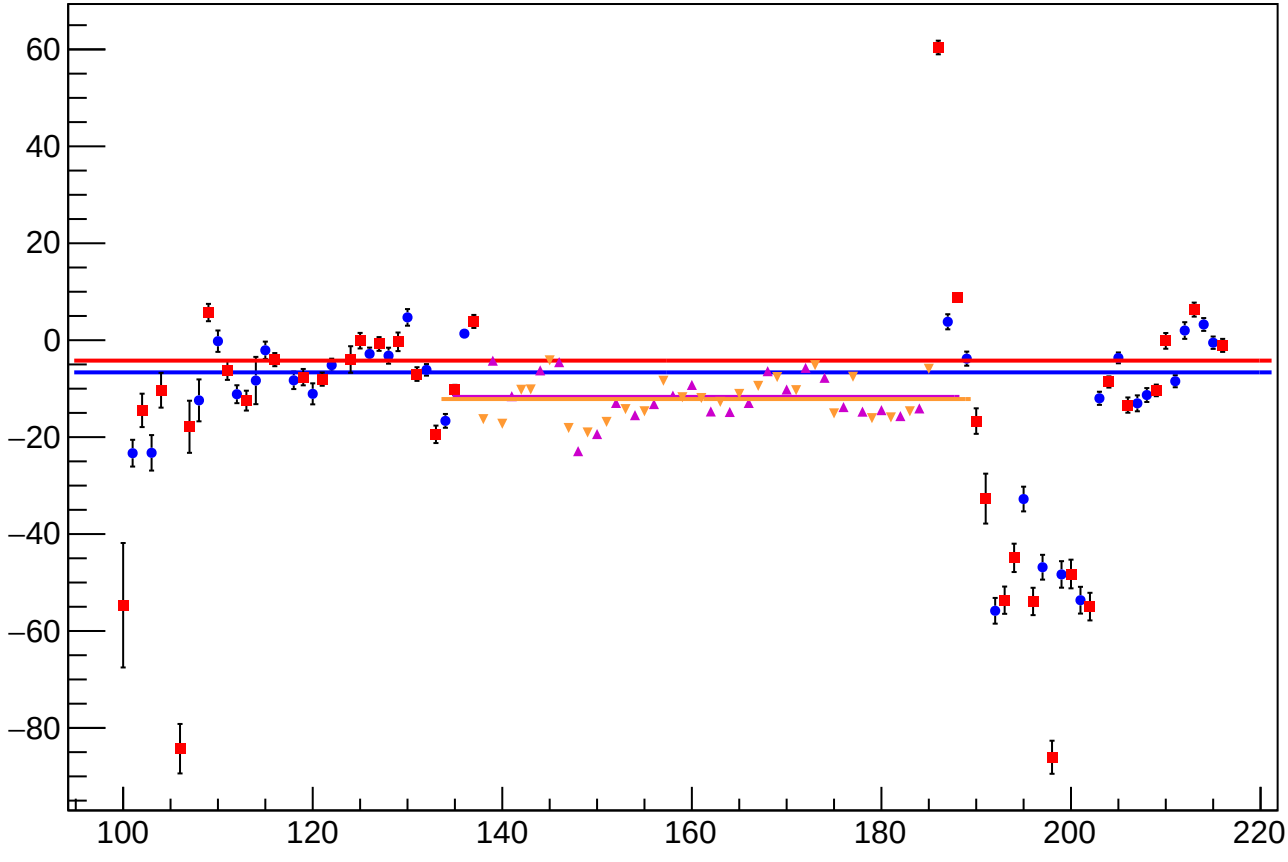
Right: -0.282+/-0.007 χ^2/NDF: 2747.1/65

In: -0.110+/-0.002 χ^2/NDF:1918.0/53

Out: -0.113+/-0.002 χ^2/NDF:2769.9/59

All: -0.111+/-0.002 χ^2/NDF: 4689.0/113

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: -4.213+/-0.287 χ^2/NDF: 4967.6/34

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

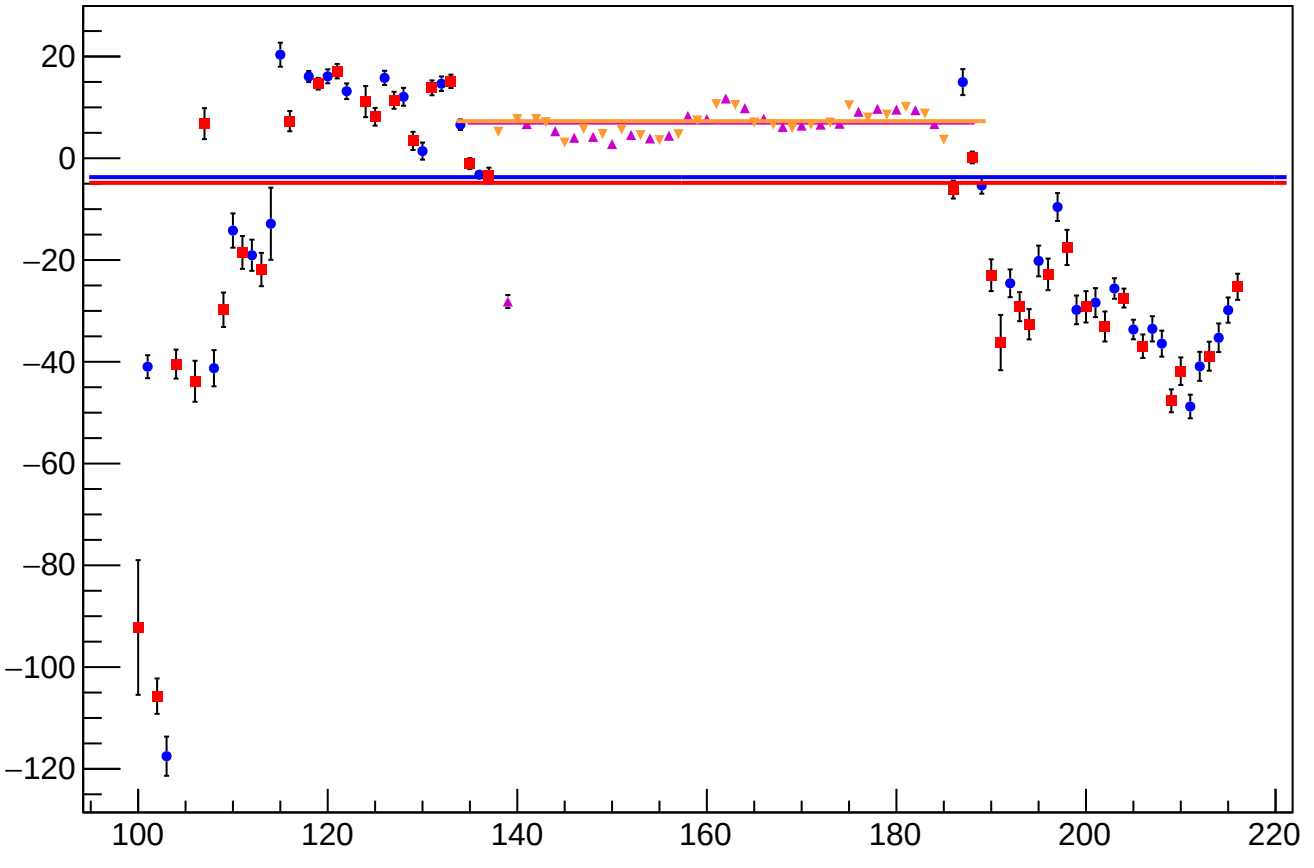
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.458+/-0.200 χ^2/NDF: 6756.1/65

In: -11.180+/-0.089 χ^2/NDF:3997.6/53

Out: -11.411+/-0.087 χ^2/NDF:7790.9/59

All: -11.299+/-0.062 χ^2/NDF: 11791.9/113



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: -4.831+/-0.342 χ^2/NDF: 3962.7/34

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

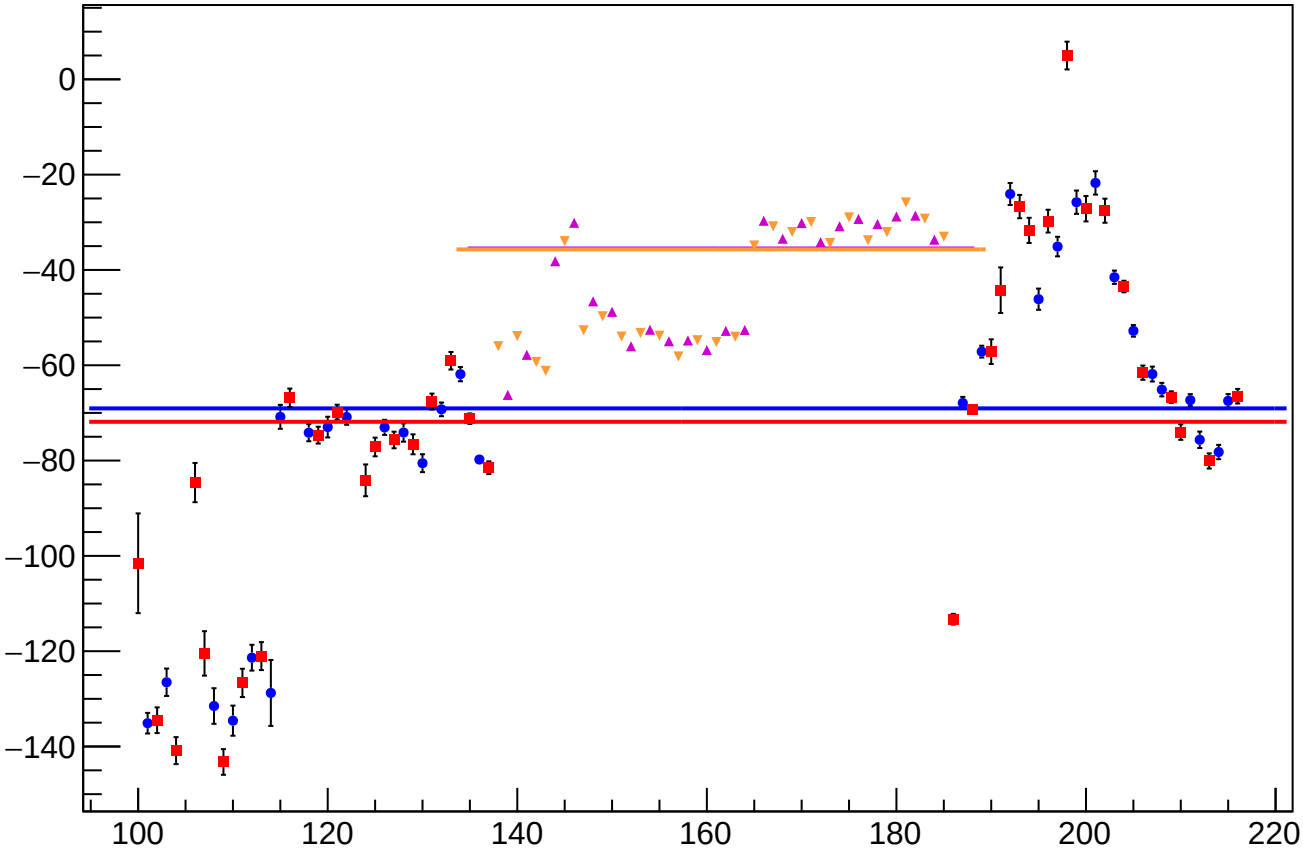
Right: -4.246+/-0.236 χ^2/NDF: 8329.7/65

In: 6.456+/-0.074 χ^2/NDF:6954.2/53

Out: 6.742+/-0.073 χ^2/NDF:5984.7/59

All: 6.601+/-0.052 χ^2/NDF: 12946.4/113

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: -71.862+/-0.290 χ^2/NDF: 6988.9/34

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

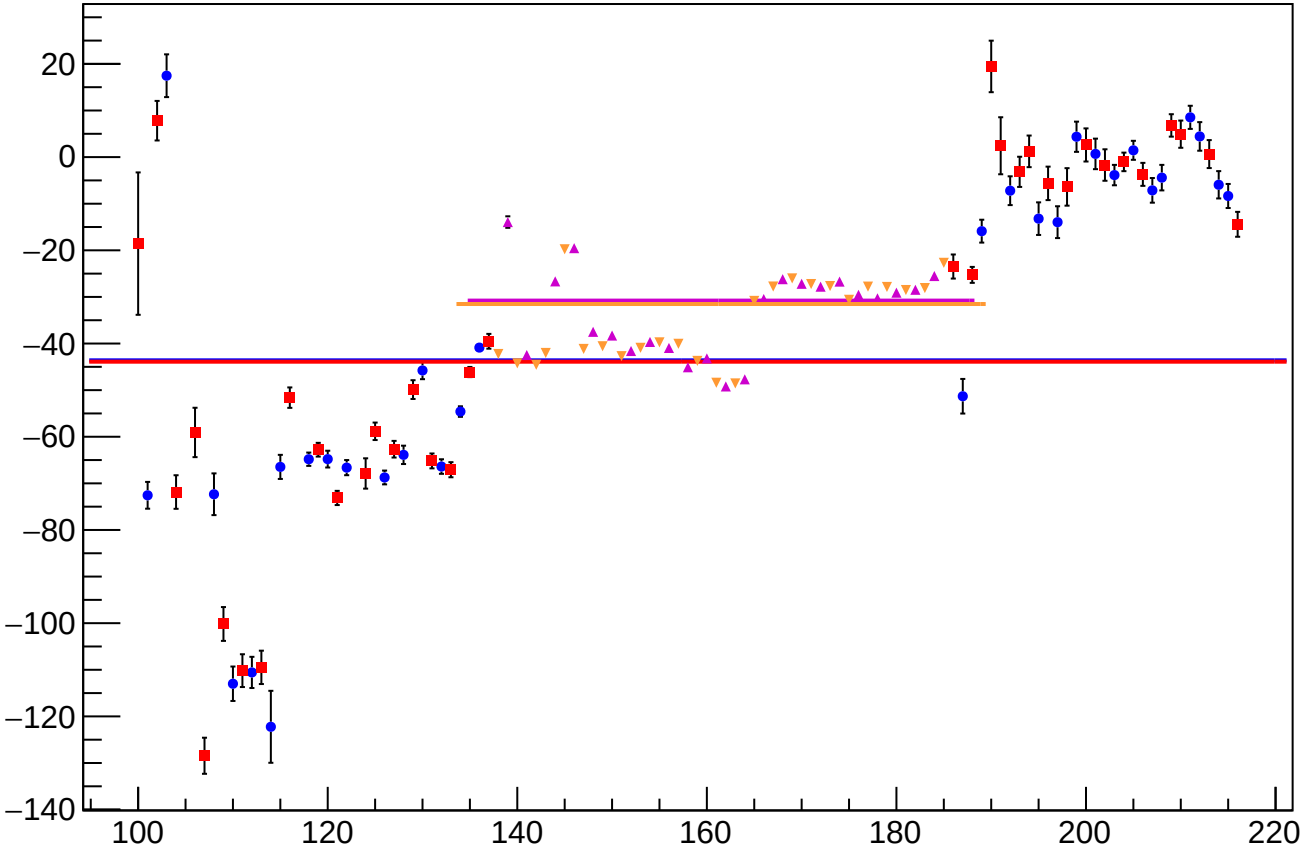
Right: -70.450+/-0.205 χ^2/NDF: 12046.8/65

In: -38.741+/-0.090 χ^2/NDF:28338.0/53

Out: -39.006+/-0.088 χ^2/NDF:33868.4/59

All: -38.877+/-0.063 χ^2/NDF: 62210.8/113

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -43.895+/-0.392 χ^2/NDF: 5831.9/34

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

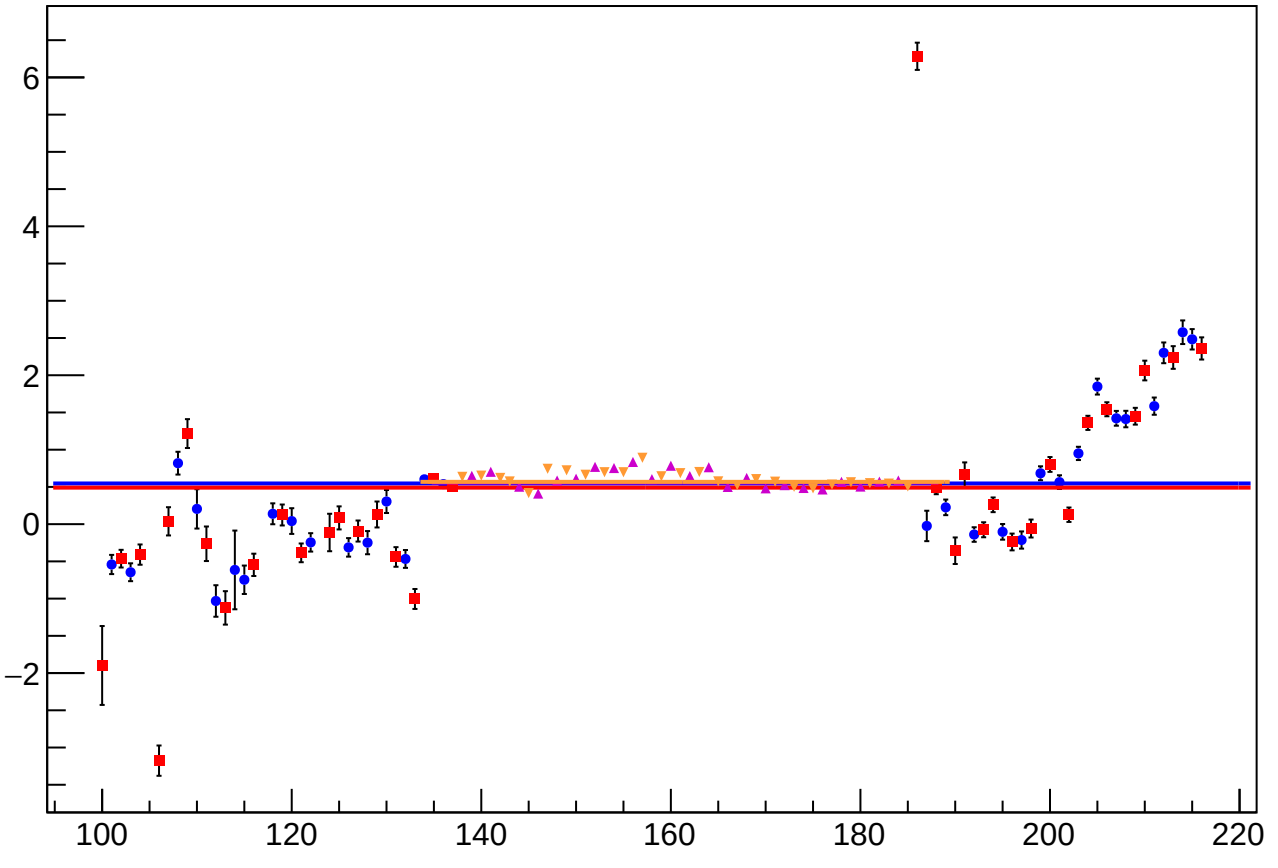
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -43.739+/-0.267 χ^2/NDF: 11438.0/65

In: -31.435+/-0.082 χ^2/NDF:14320.4/53

Out: -32.050+/-0.081 χ^2/NDF:15245.9/59

All: -31.747+/-0.058 χ^2/NDF: 29594.6/113



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: 0.491+/-0.019 χ^2/NDF: 2718.8/34

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

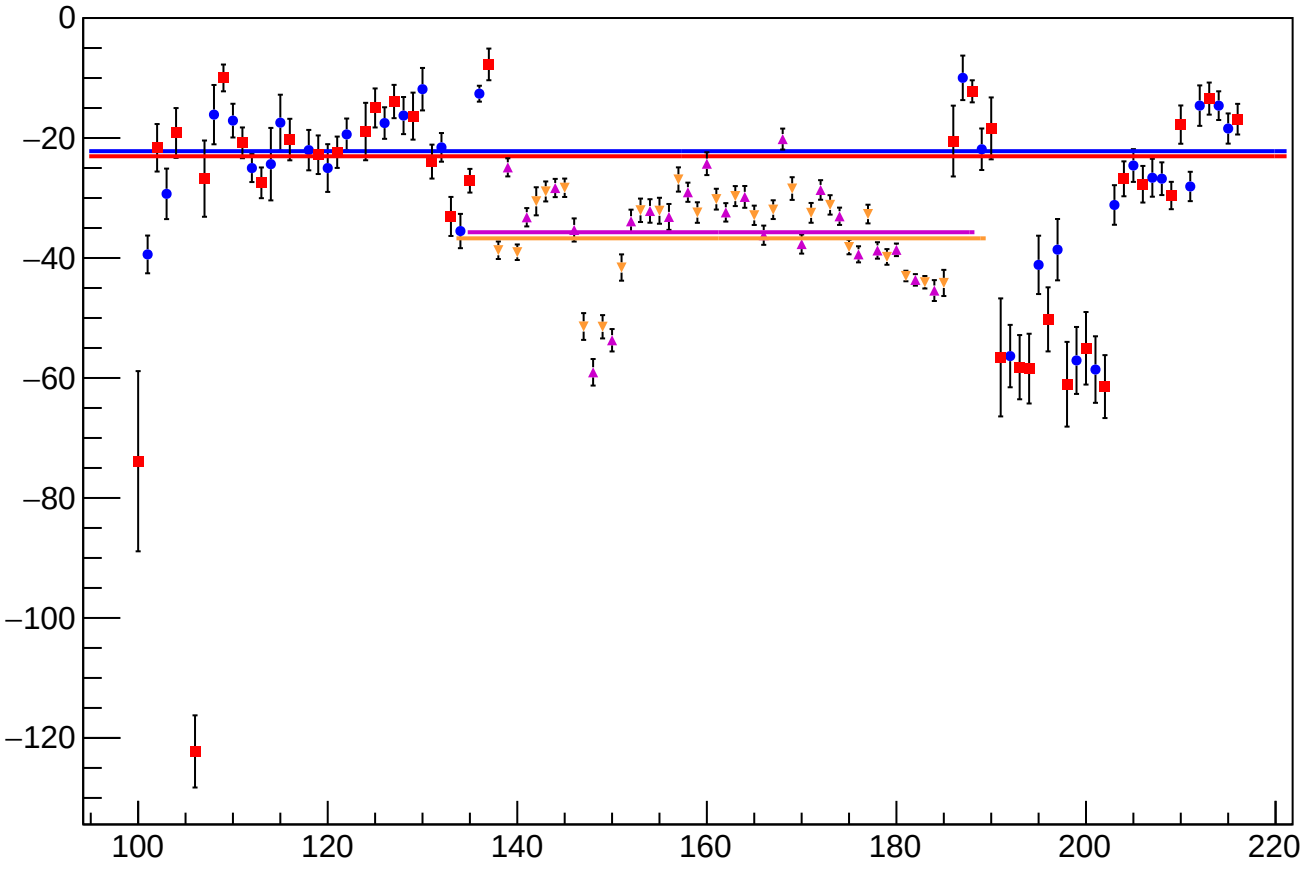
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.521+/-0.013 χ^2/NDF: 4271.5/65

In: 0.559+/-0.004 χ^2/NDF:2220.2/53

Out: 0.566+/-0.004 χ^2/NDF:3288.9/59

All: 0.562+/-0.003 χ^2/NDF: 5510.6/113



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: -23.045+/-0.548 χ^2/NDF: 689.3/34

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

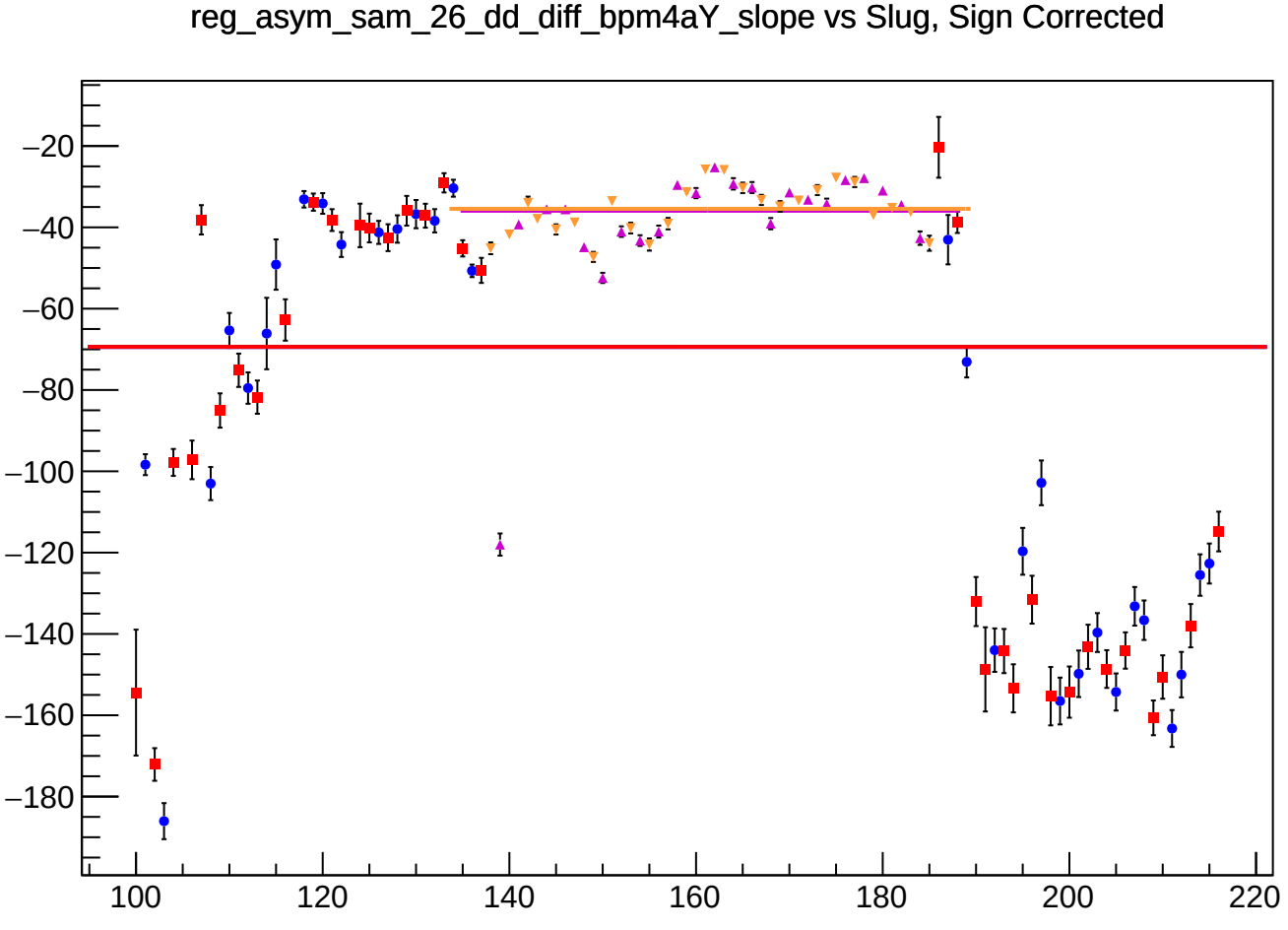
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -22.612+/-0.384 χ^2/NDF: 1019.5/65

In: -32.121+/-0.277 χ^2/NDF:1371.4/53

Out: -33.406+/-0.270 χ^2/NDF:1581.7/59

All: -32.780+/-0.193 χ^2/NDF: 2964.1/113



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: -69.400+/-0.643 χ^2/NDF: 5028.7/34

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

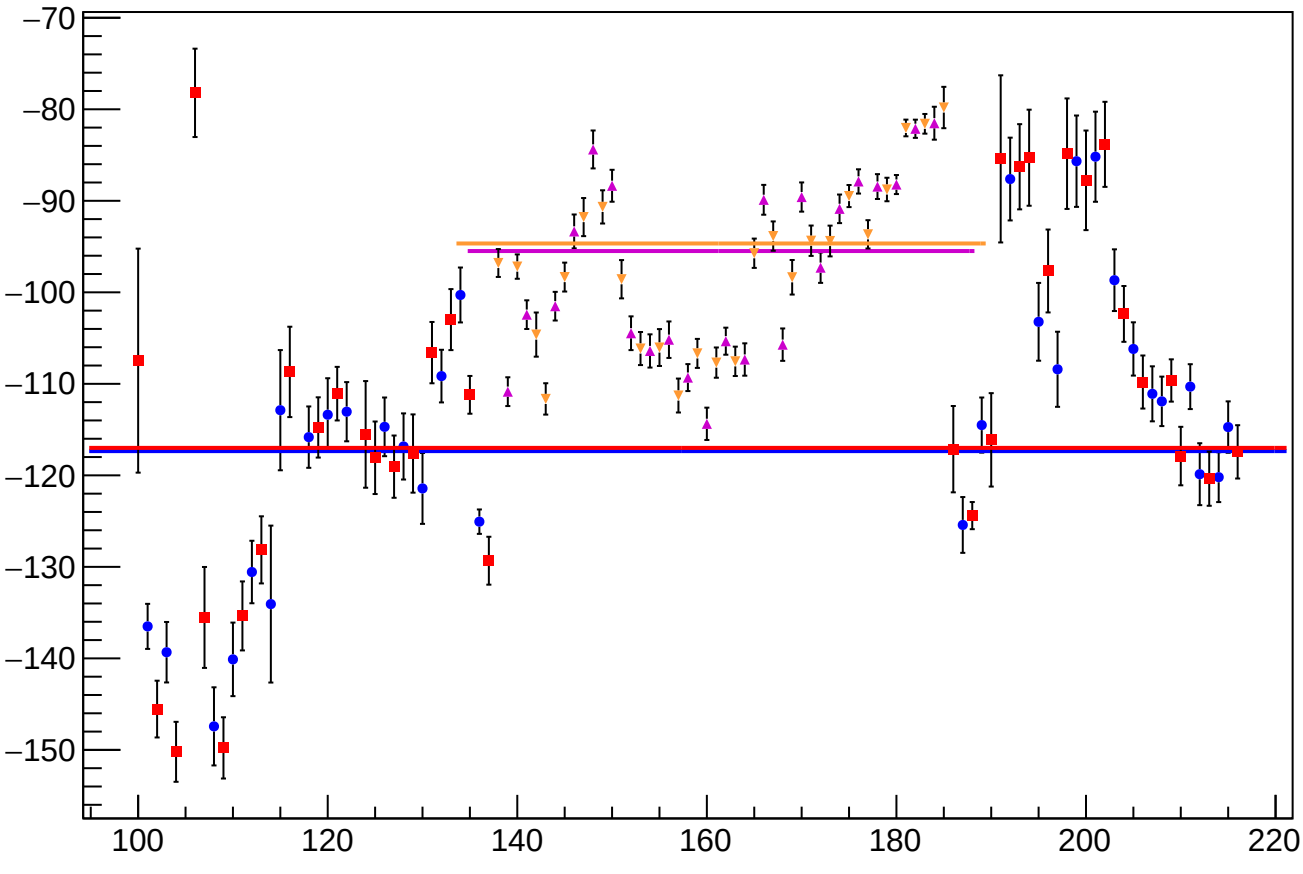
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -69.415+/-0.447 χ^2/NDF: 9953.0/65

In: -40.777+/-0.237 χ^2/NDF:8952.3/53

Out: -39.746+/-0.229 χ^2/NDF:8003.5/59

All: -40.243+/-0.165 χ^2/NDF: 16965.5/113



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: -116.998+/-0.569 χ^2/NDF: 742.2/34

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

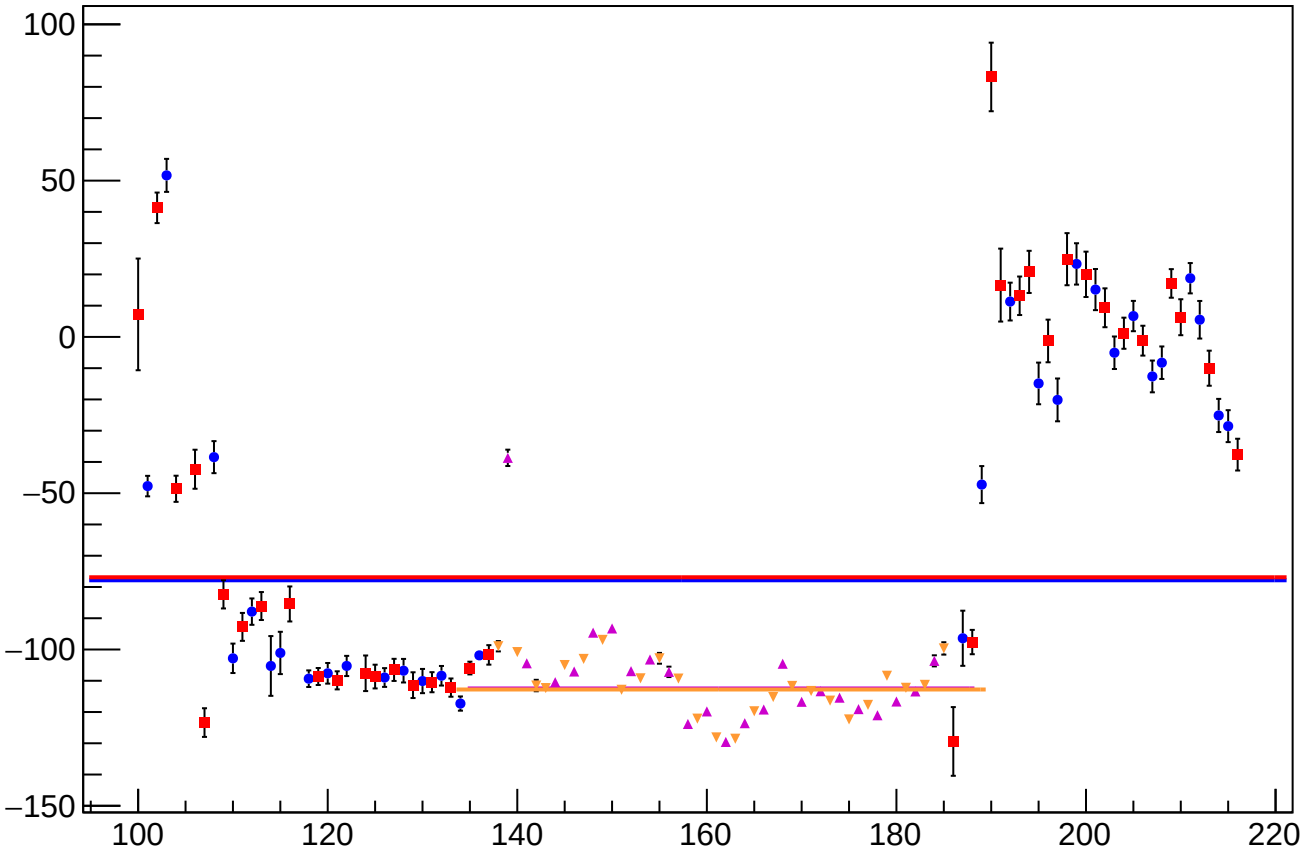
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.178+/-0.398 χ^2/NDF: 1241.2/65

In: -100.927+/-0.278 χ^2/NDF:2621.3/53

Out: -99.773+/-0.272 χ^2/NDF:2831.2/59

All: -100.337+/-0.195 χ^2/NDF: 5461.4/113



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: -76.891+/-0.733 χ^2/NDF: 4560.3/34

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

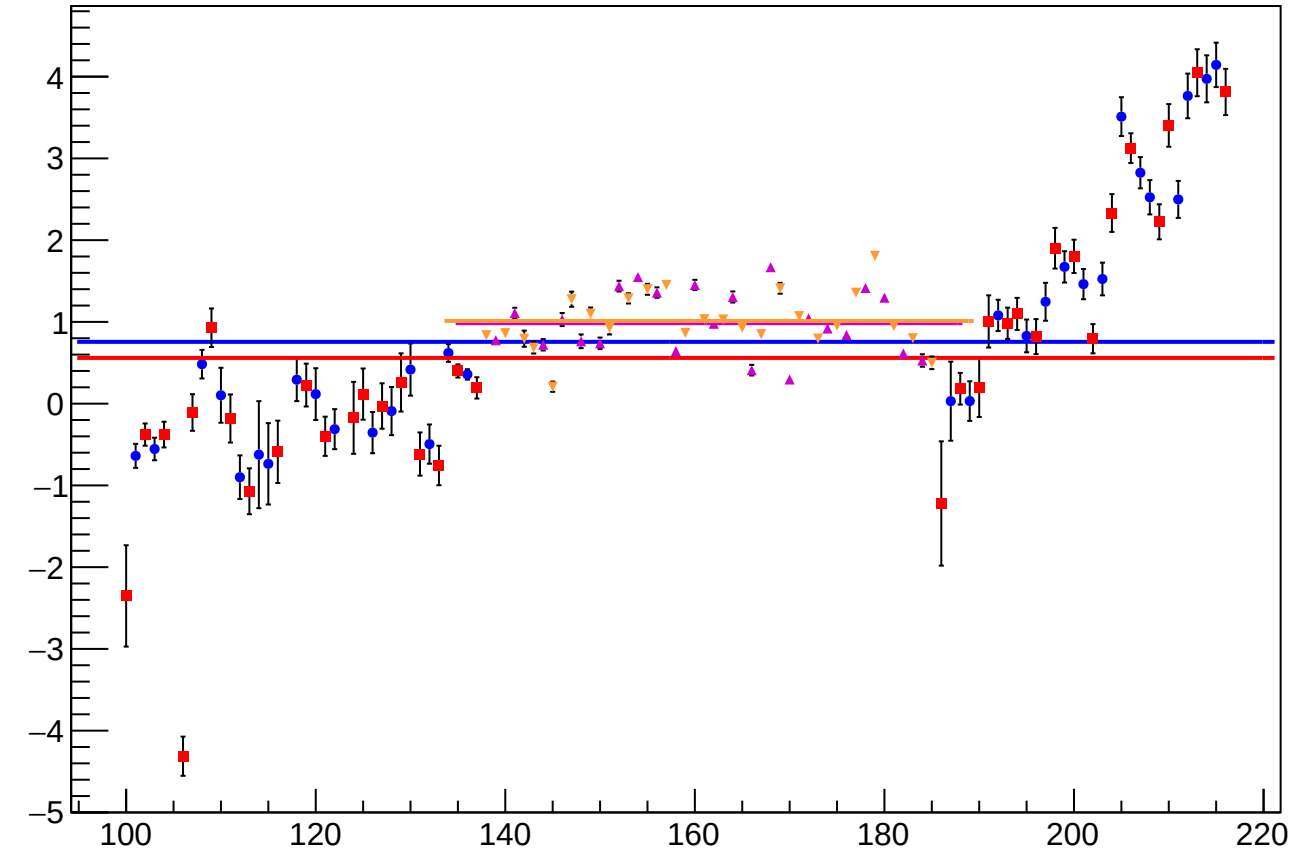
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -77.396+/-0.506 χ^2/NDF: 8992.7/65

In: -107.534+/-0.264 χ^2/NDF:8323.9/53

Out: -108.394+/-0.257 χ^2/NDF:7600.4/59

All: -107.976+/-0.184 χ^2/NDF: 15929.8/113



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: 0.559+/-0.035 χ^2/NDF: 1478.1/34

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

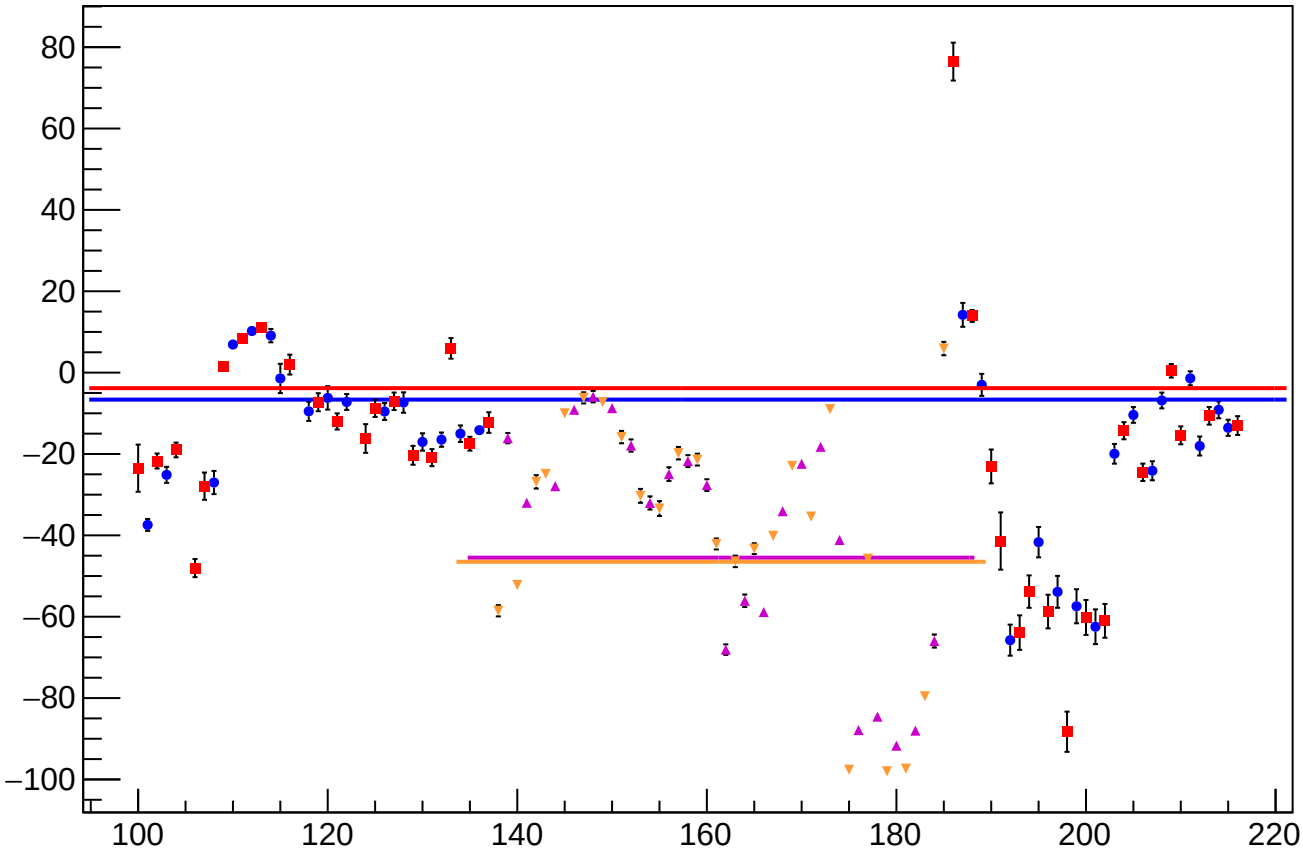
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.663+/-0.024 χ^2/NDF: 2711.8/65

In: 0.956+/-0.012 χ^2/NDF:2158.0/53

Out: 0.963+/-0.012 χ^2/NDF:2315.3/59

All: 0.960+/-0.008 χ^2/NDF: 4473.4/113



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: -3.822+/-0.300 χ^2/NDF: 3436.0/34

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

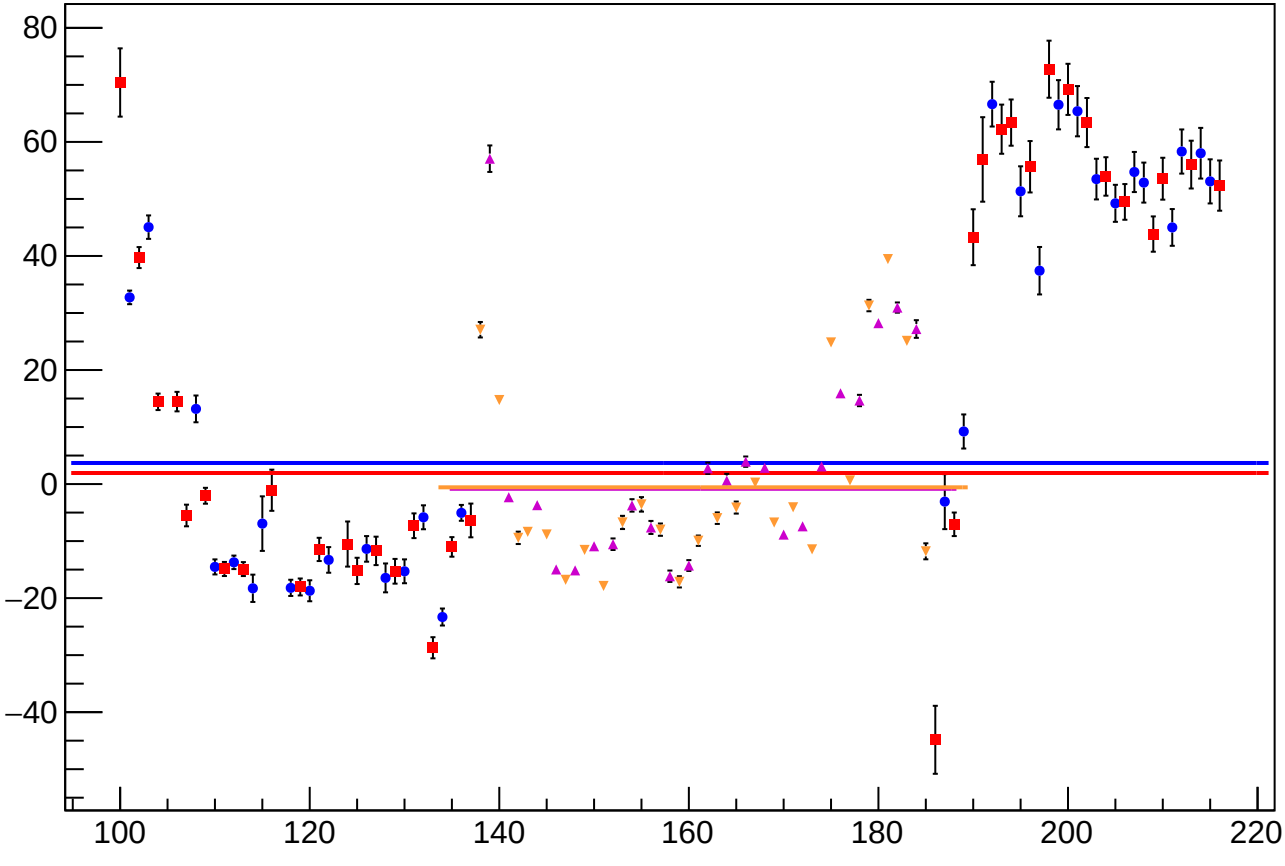
Right: -5.121+/-0.220 χ^2/NDF: 6053.2/65

In: -31.922+/-0.192 χ^2/NDF:27476.1/53

Out: -30.717+/-0.183 χ^2/NDF:36198.5/59

All: -31.290+/-0.132 χ^2/NDF: 63695.3/113

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: 1.942+/-0.386 χ^2/NDF: 4368.8/34

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

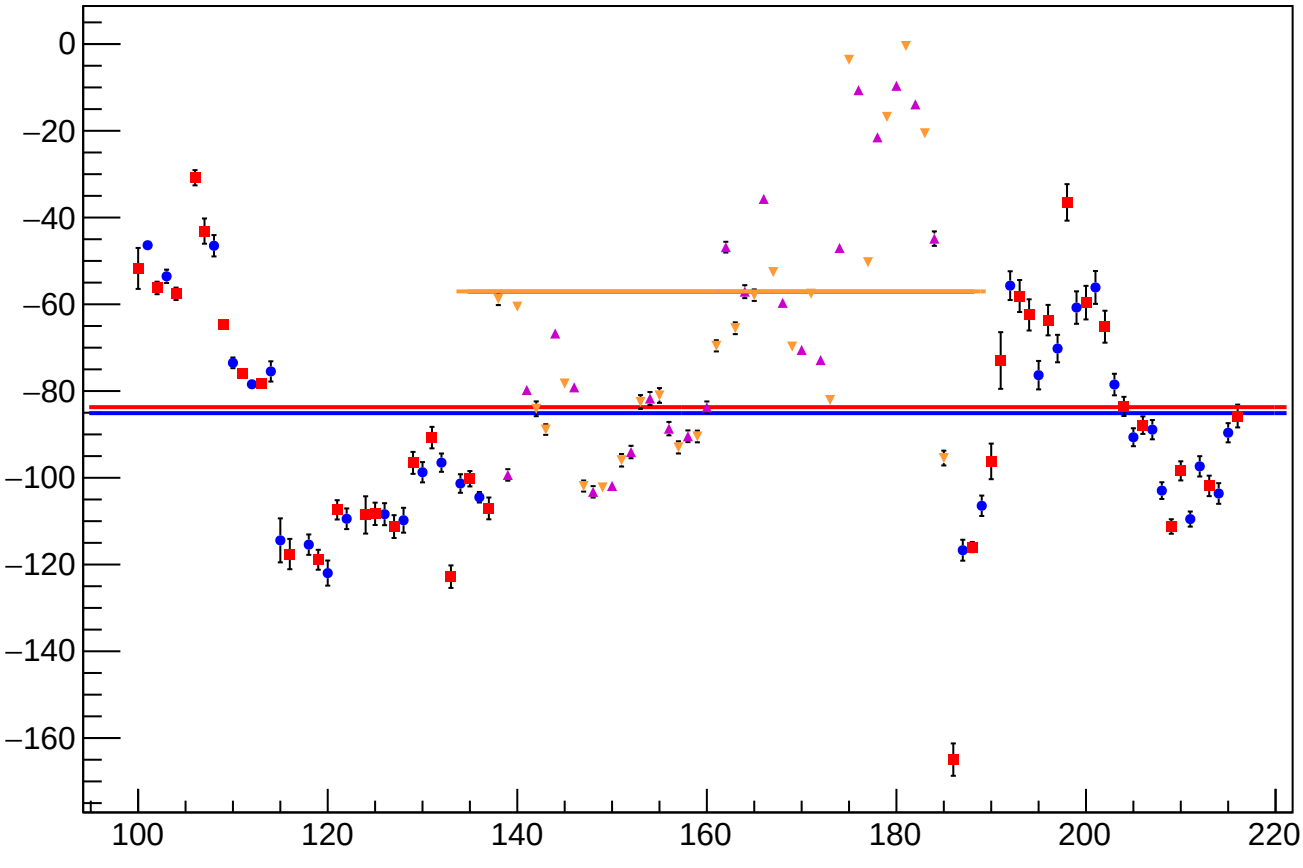
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 2.801+/-0.276 χ^2/NDF: 9237.4/65

In: -0.025+/-0.166 χ^2/NDF:11083.4/53

Out: -0.134+/-0.161 χ^2/NDF:12855.4/59

All: -0.081+/-0.116 χ^2/NDF: 23939.0/113



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: -83.710+/-0.345 χ^2/NDF: 5289.8/34

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

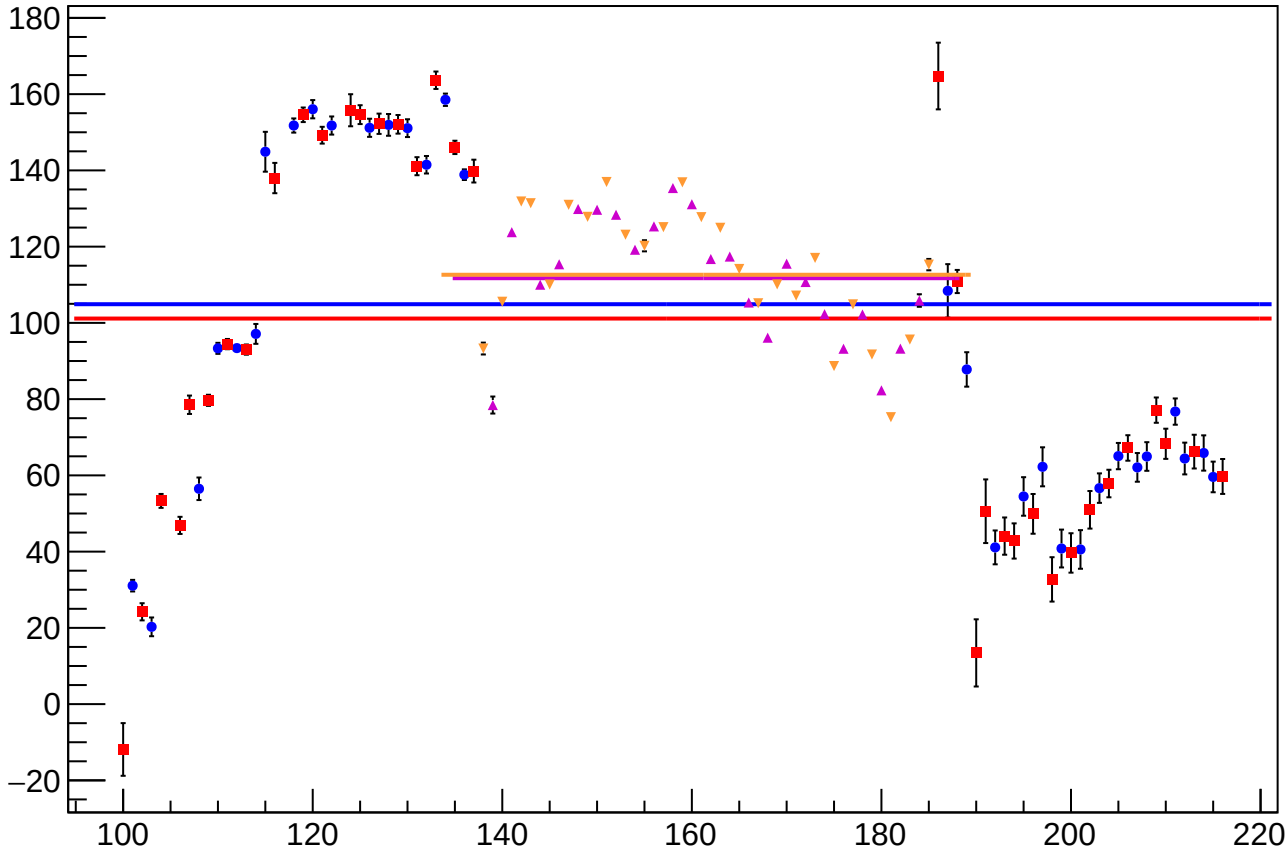
Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

Right: -84.375+/-0.249 χ^2/NDF: 9105.0/65

In: -65.556+/-0.198 χ^2/NDF:25210.2/53

Out: -65.233+/-0.191 χ^2/NDF:29741.5/59

All: -65.389+/-0.137 χ^2/NDF: 54953.1/113



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: 101.137+/-0.440 χ^2/NDF: 9207.7/34

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

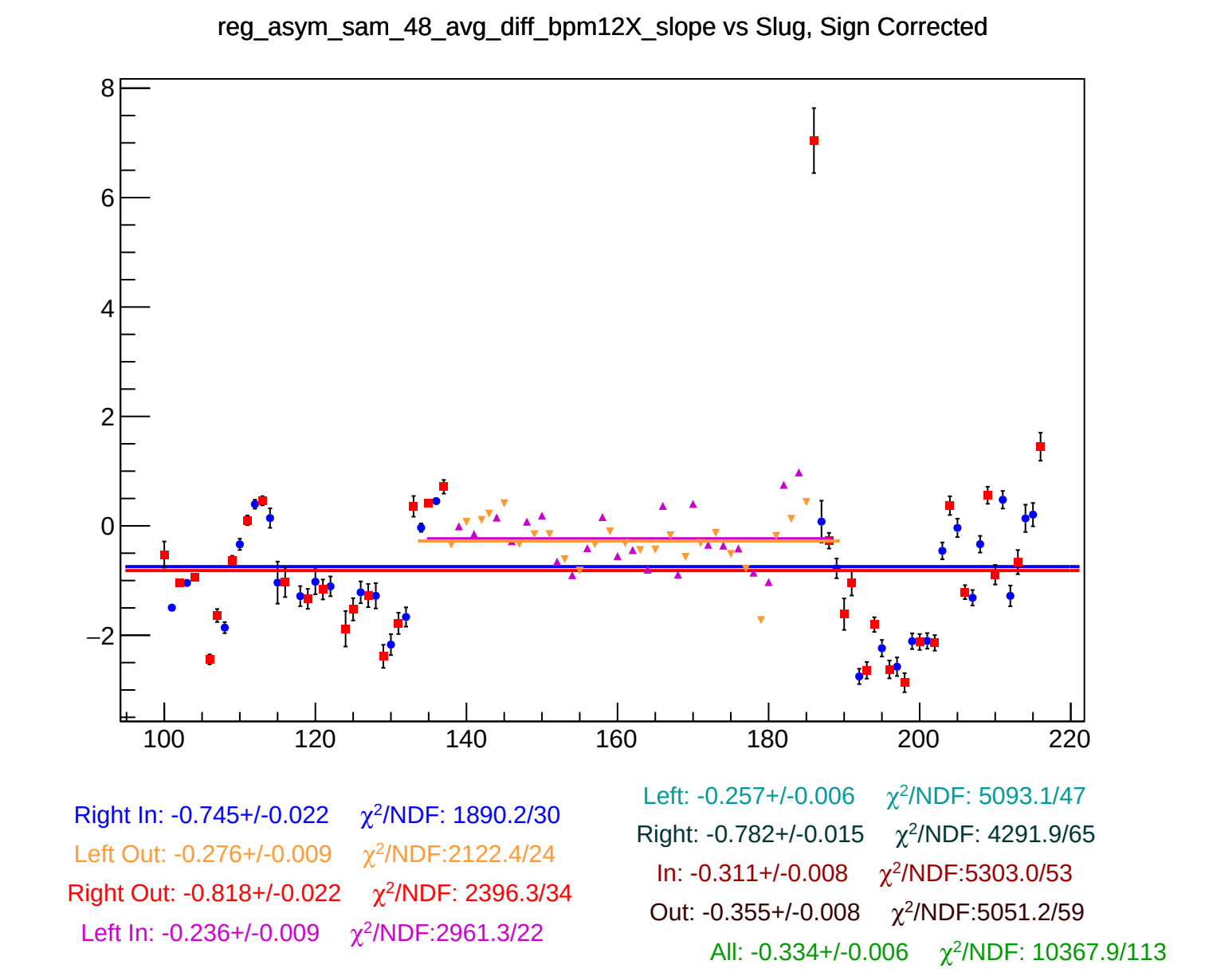
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

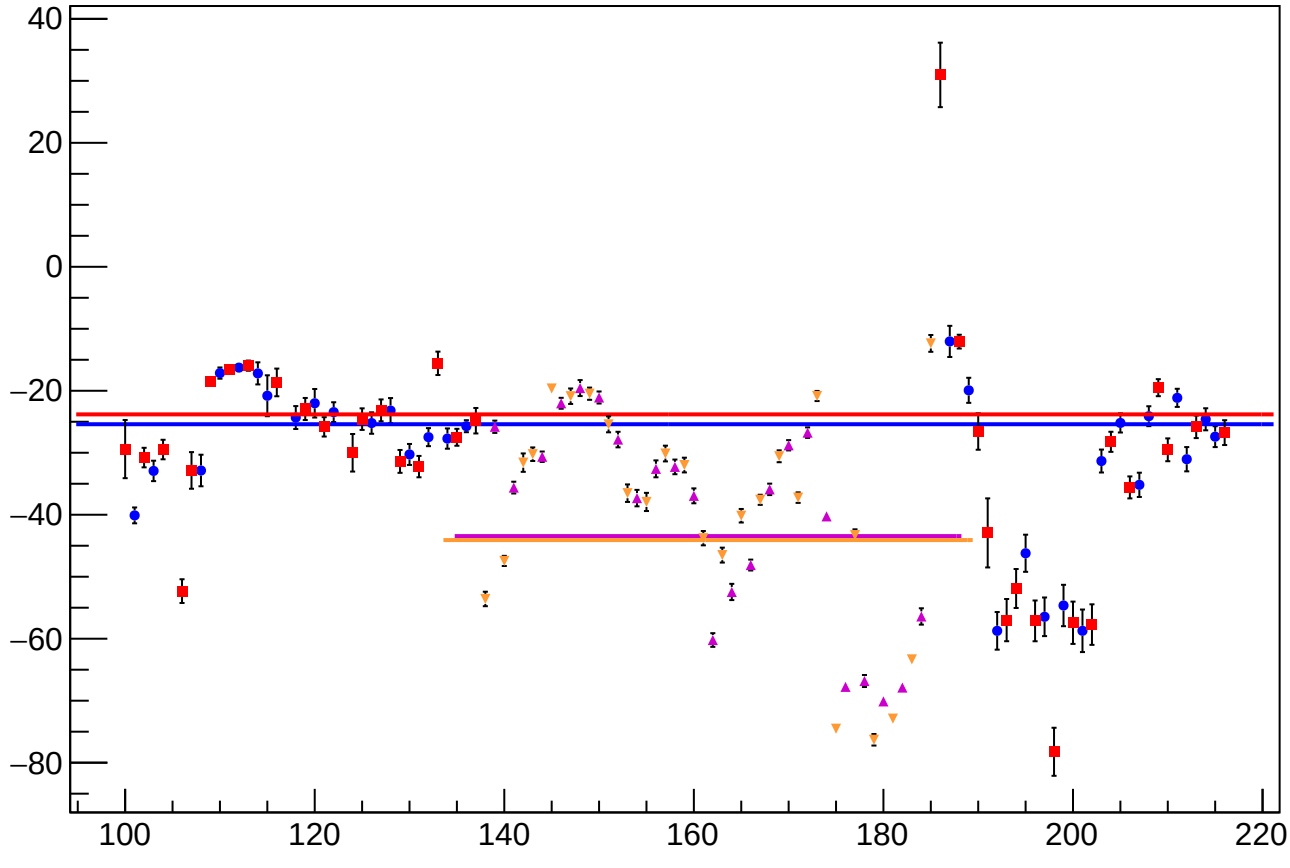
Right: 102.990+/-0.314 χ^2/NDF: 19340.9/65

In: 110.525+/-0.187 χ^2/NDF:15186.1/53

Out: 110.663+/-0.182 χ^2/NDF:16479.6/59

All: 110.596+/-0.130 χ^2/NDF: 31666.0/113


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: -0.745+/-0.022 χ²/NDF: 1890.2/30
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.818+/-0.022 χ²/NDF: 2396.3/34
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.782+/-0.015 χ²/NDF: 4291.9/65
In: -0.311+/-0.008 χ²/NDF:5303.0/53
Out: -0.355+/-0.008 χ²/NDF:5051.2/59
All: -0.334+/-0.006 χ²/NDF: 10367.9/113



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: -23.810+/-0.275 χ^2/NDF: 1560.9/34

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

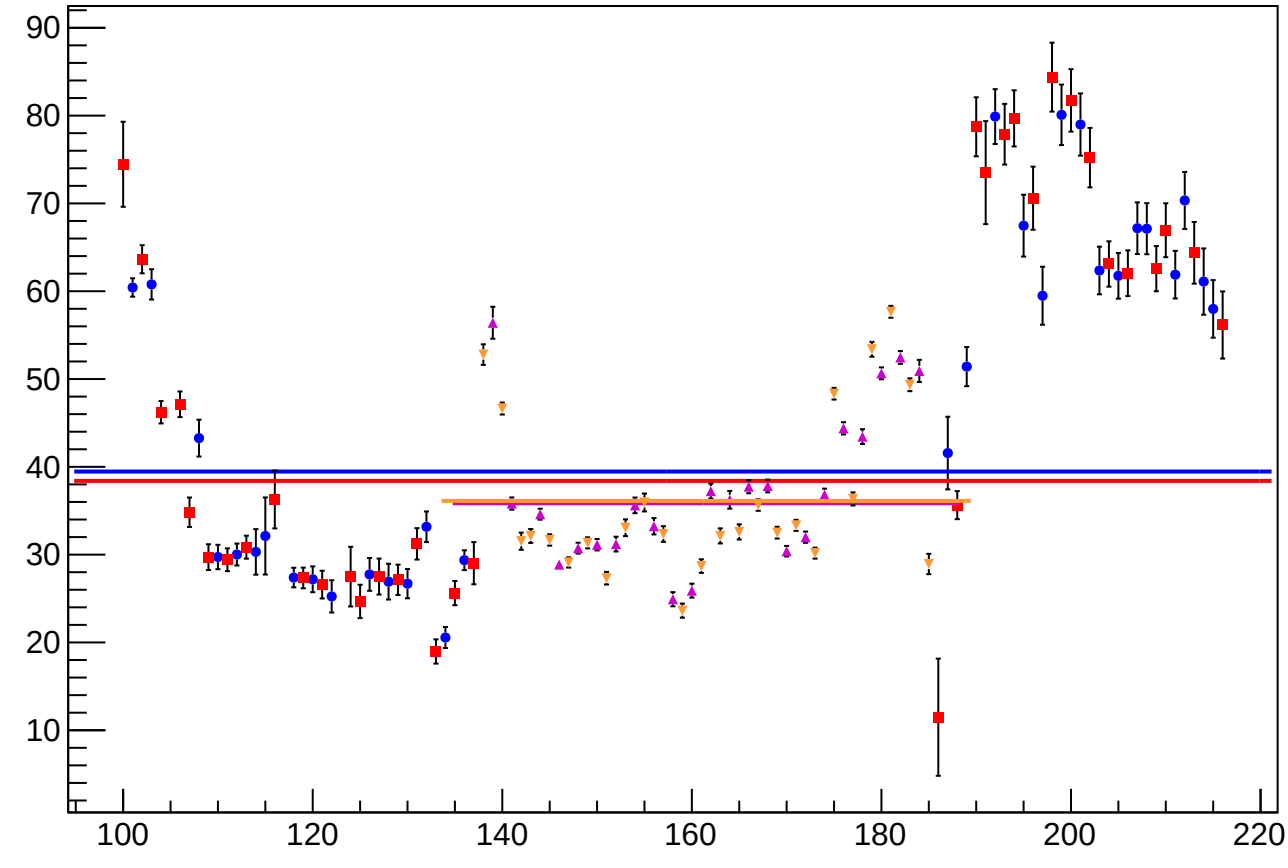
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.562+/-0.199 χ^2/NDF: 2538.8/65

In: -37.674+/-0.164 χ^2/NDF:11419.2/53

Out: -37.384+/-0.158 χ^2/NDF:15549.1/59

All: -37.524+/-0.114 χ^2/NDF: 26970.0/113



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: 38.400+/-0.335 χ^2/NDF: 2496.8/34

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

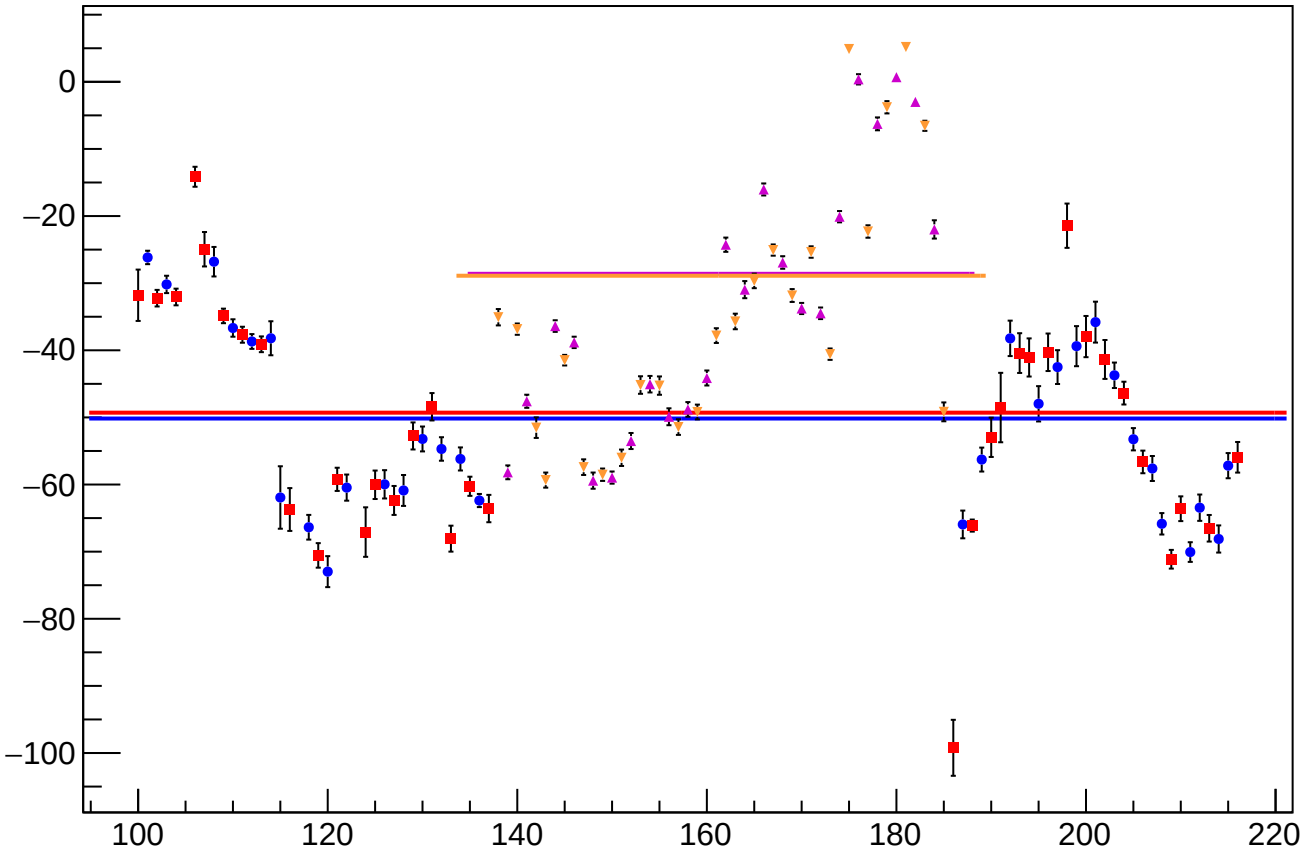
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 38.926+/-0.238 χ^2/NDF: 5013.4/65

In: 36.477+/-0.141 χ^2/NDF:4899.2/53

Out: 36.504+/-0.137 χ^2/NDF:6093.8/59

All: 36.491+/-0.098 χ^2/NDF: 10993.1/113



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: -49.293+/-0.301 χ^2/NDF: 2906.2/34

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

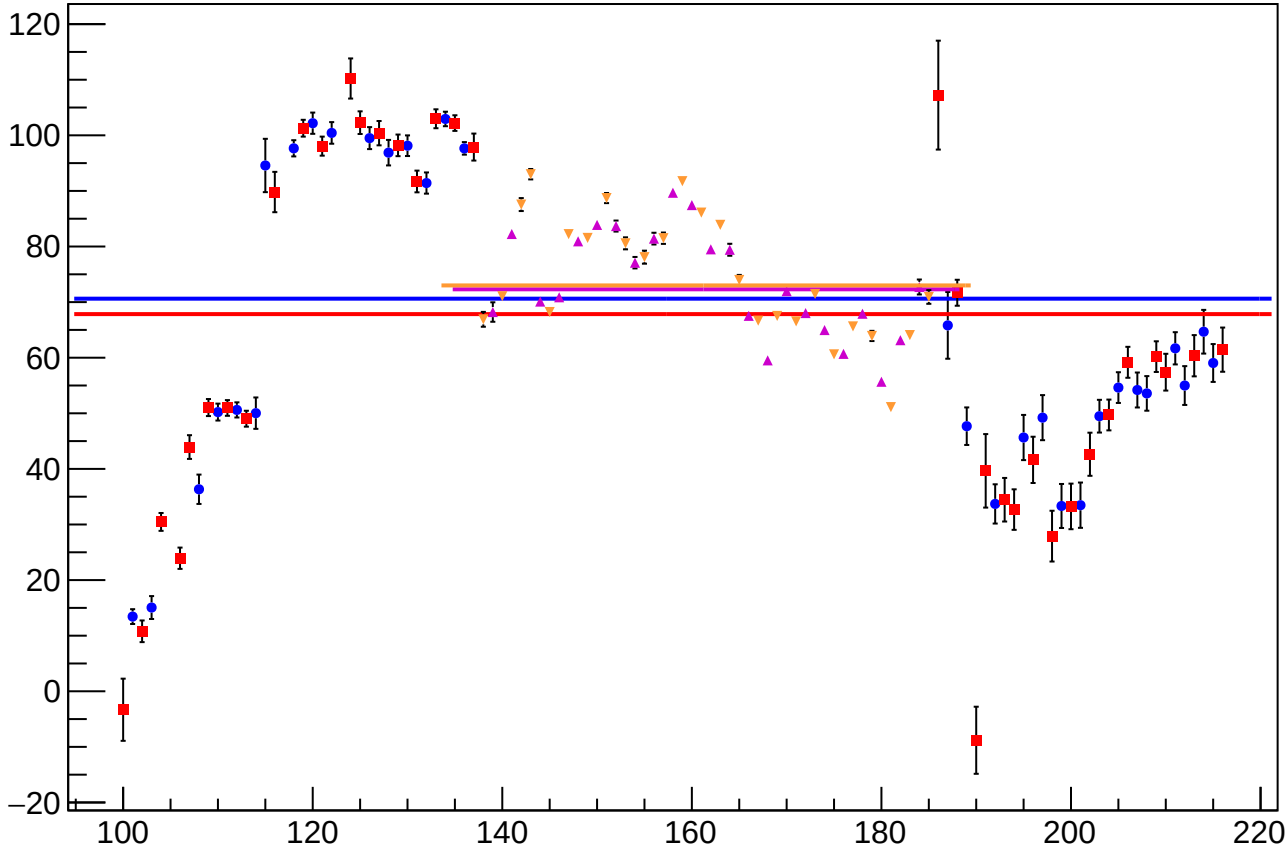
Right: -49.715+/-0.216 χ^2/NDF: 5091.7/65

In: -34.827+/-0.167 χ^2/NDF:15626.5/53

Out: -34.838+/-0.162 χ^2/NDF:17970.0/59

All: -34.833+/-0.116 χ^2/NDF: 33596.5/113

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: 67.843+/-0.385 χ^2/NDF: 6371.5/34

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

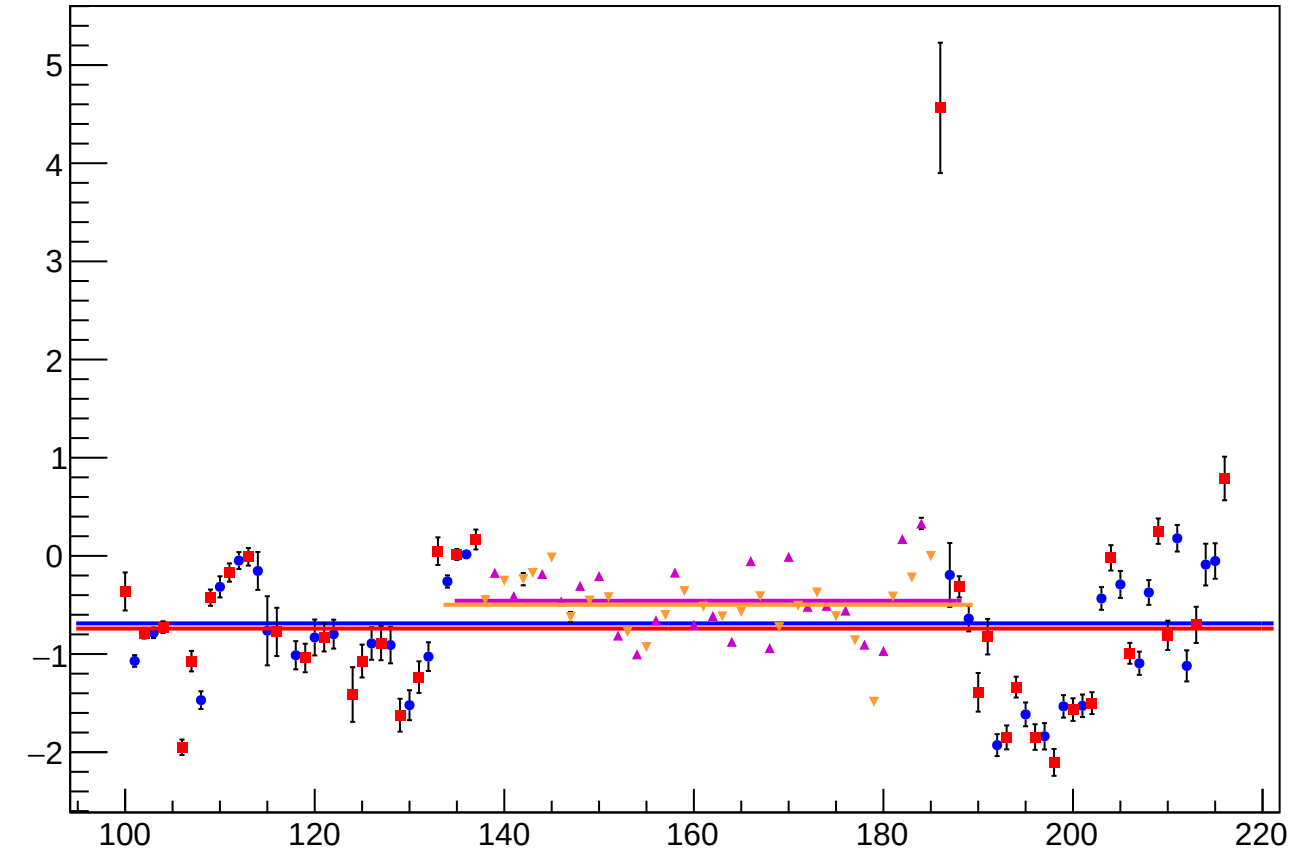
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 69.227+/-0.272 χ^2/NDF: 12912.2/65

In: 72.019+/-0.158 χ^2/NDF:9443.2/53

Out: 72.172+/-0.154 χ^2/NDF:10574.7/59

All: 72.098+/-0.110 χ^2/NDF: 20018.5/113



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: -0.741+/-0.019 χ^2/NDF: 1338.1/34

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

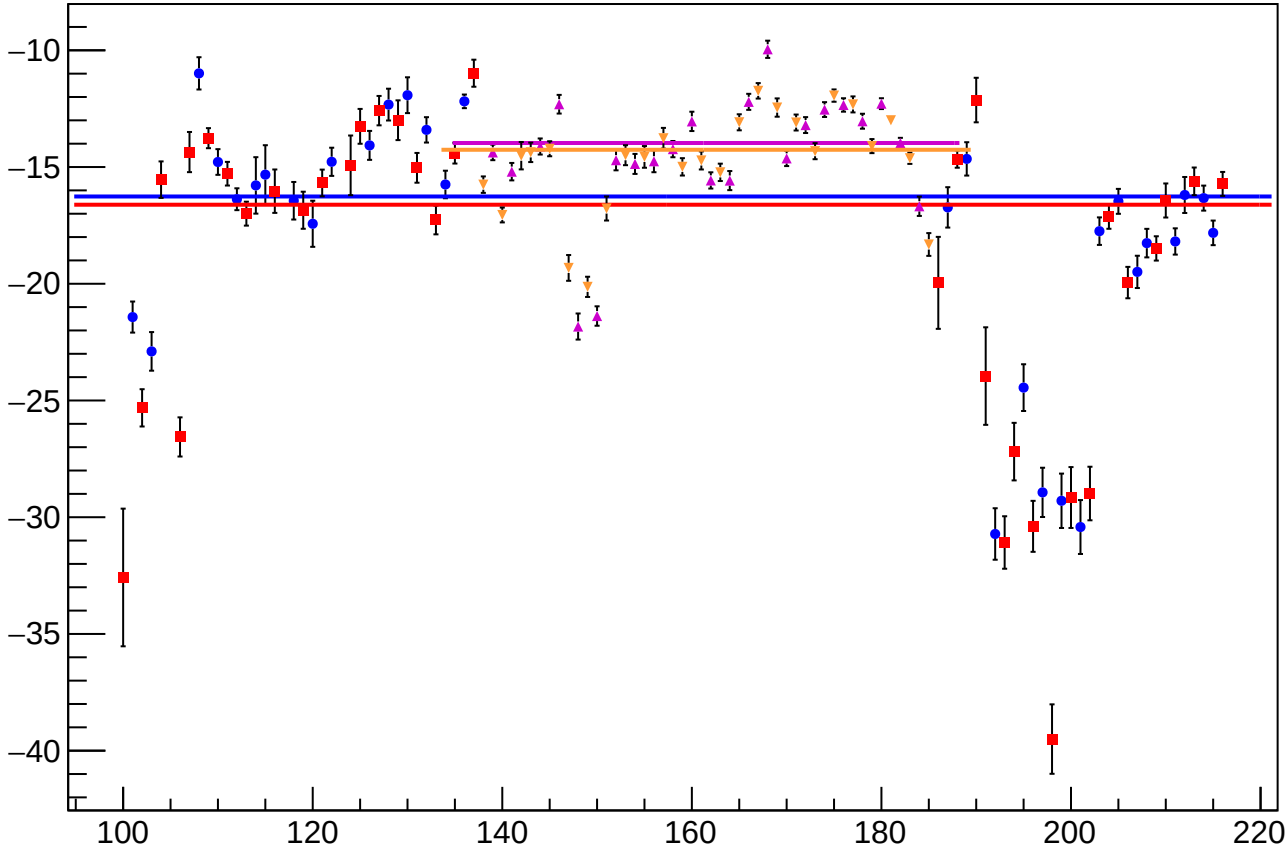
Right: -0.715+/-0.013 χ^2/NDF: 2332.2/65

In: -0.491+/-0.007 χ^2/NDF:3223.1/53

Out: -0.532+/-0.007 χ^2/NDF:2967.6/59

All: -0.512+/-0.005 χ^2/NDF: 6208.2/113

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: -16.614+/-0.115 χ^2/NDF: 1513.5/34

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

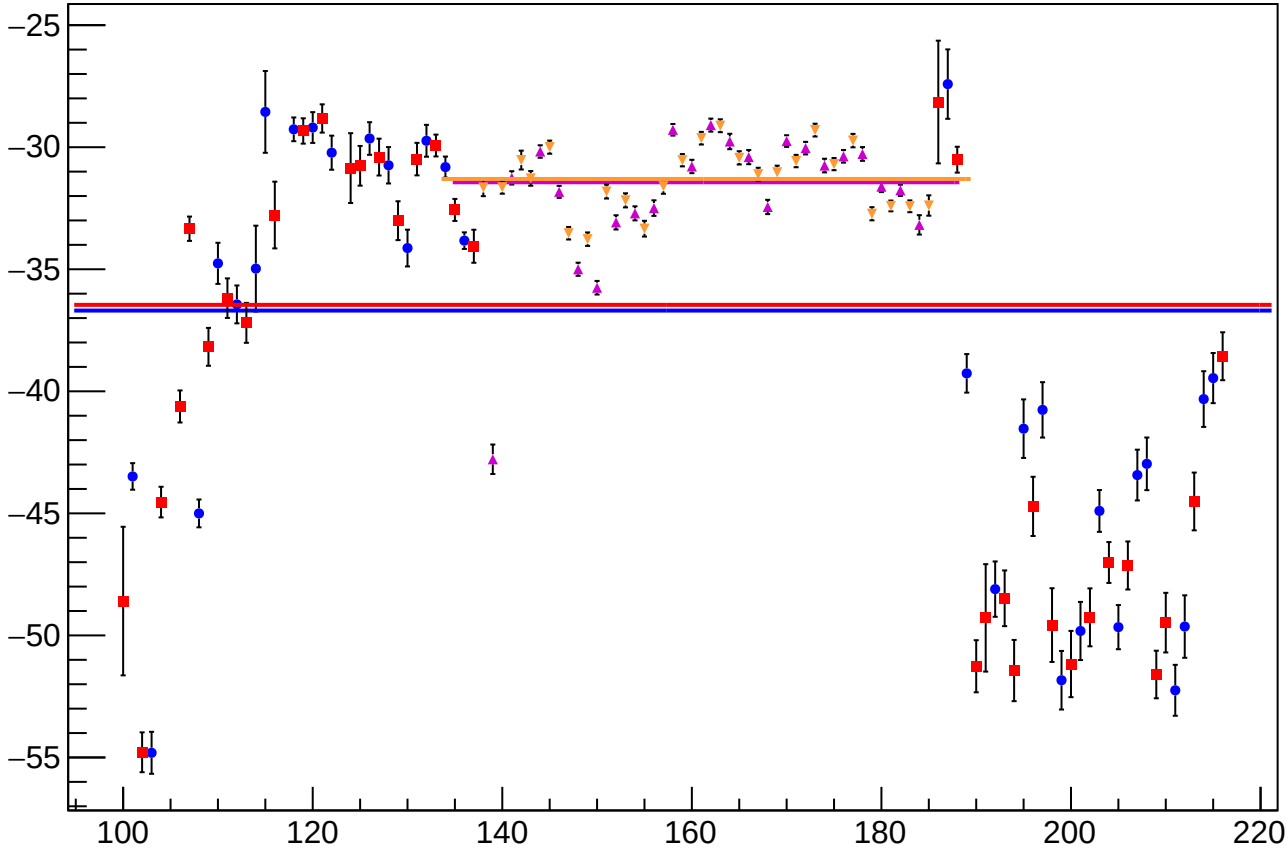
Right: -16.438+/-0.081 χ^2/NDF: 2741.1/65

In: -14.612+/-0.061 χ^2/NDF:2415.4/53

Out: -14.892+/-0.060 χ^2/NDF:2543.6/59

All: -14.756+/-0.043 χ^2/NDF: 4969.8/113

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: -36.458+/-0.133 χ^2/NDF: 3323.5/34

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

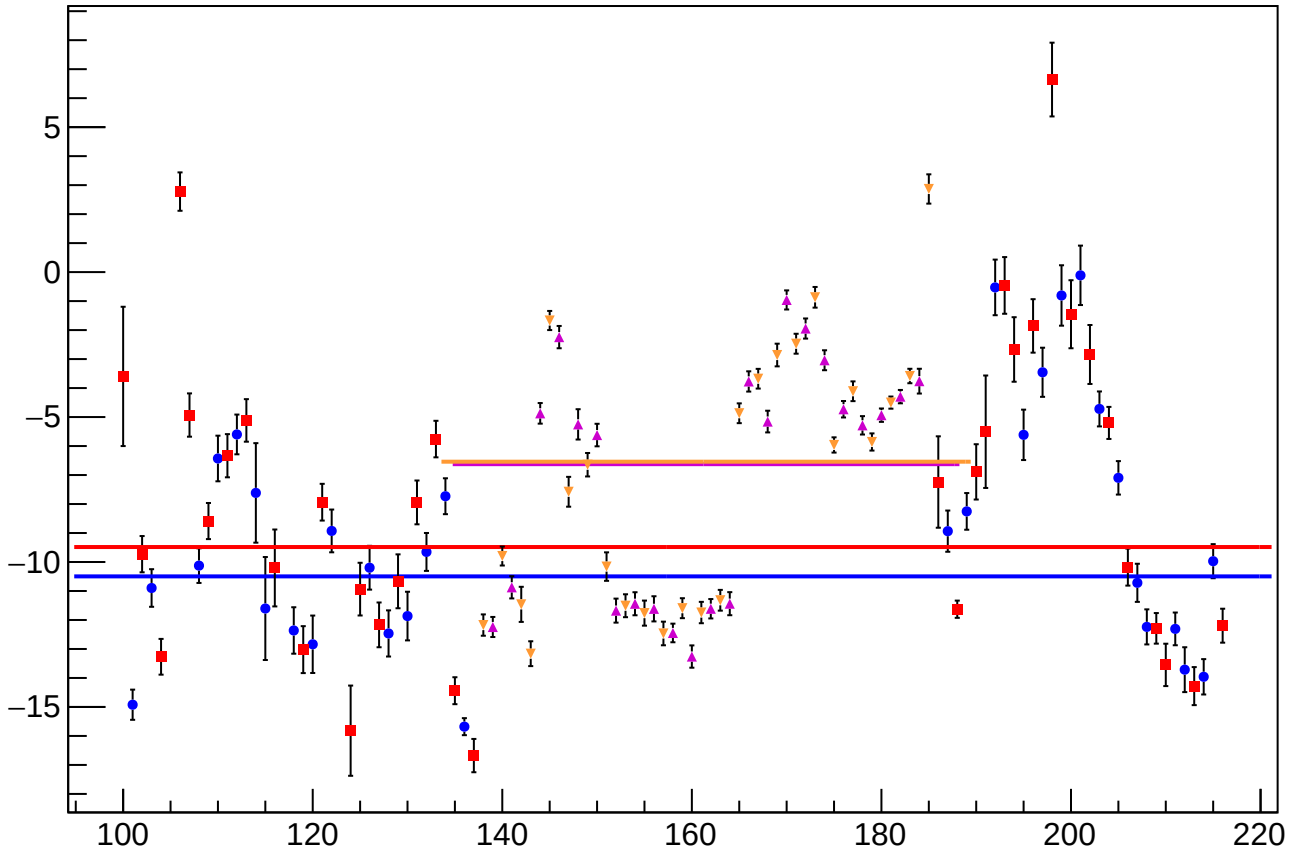
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -36.574+/-0.094 χ^2/NDF: 6364.2/65

In: -32.251+/-0.053 χ^2/NDF:5559.5/53

Out: -32.060+/-0.051 χ^2/NDF:5160.5/59

All: -32.153+/-0.037 χ^2/NDF: 10726.8/113



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: -9.484+/-0.118 χ^2/NDF: 1549.6/34

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

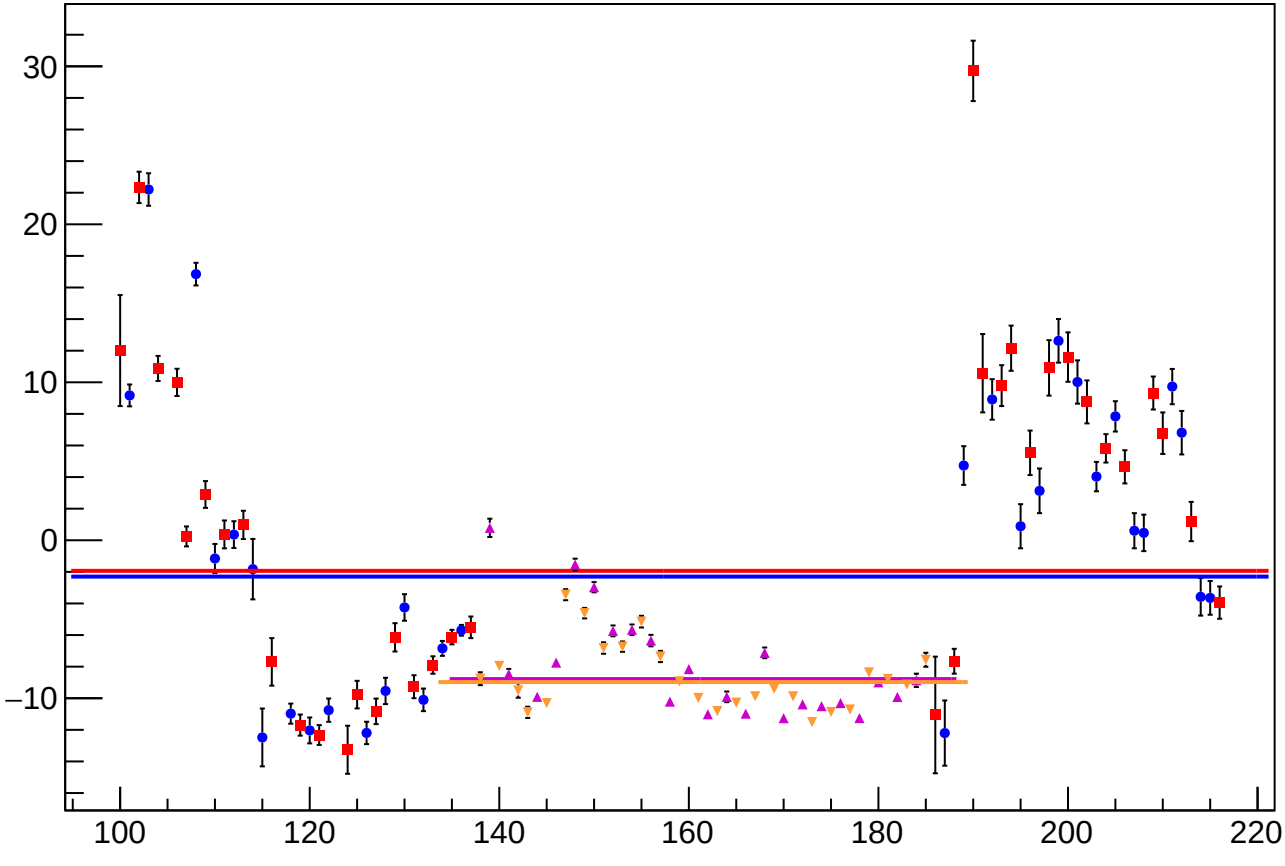
Right: -9.986+/-0.084 χ^2/NDF: 2708.6/65

In: -7.647+/-0.061 χ^2/NDF:4806.3/53

Out: -7.296+/-0.060 χ^2/NDF:5252.6/59

All: -7.468+/-0.043 χ^2/NDF: 10075.7/113

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: -1.935+/-0.153 χ^2/NDF: 3280.7/34

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

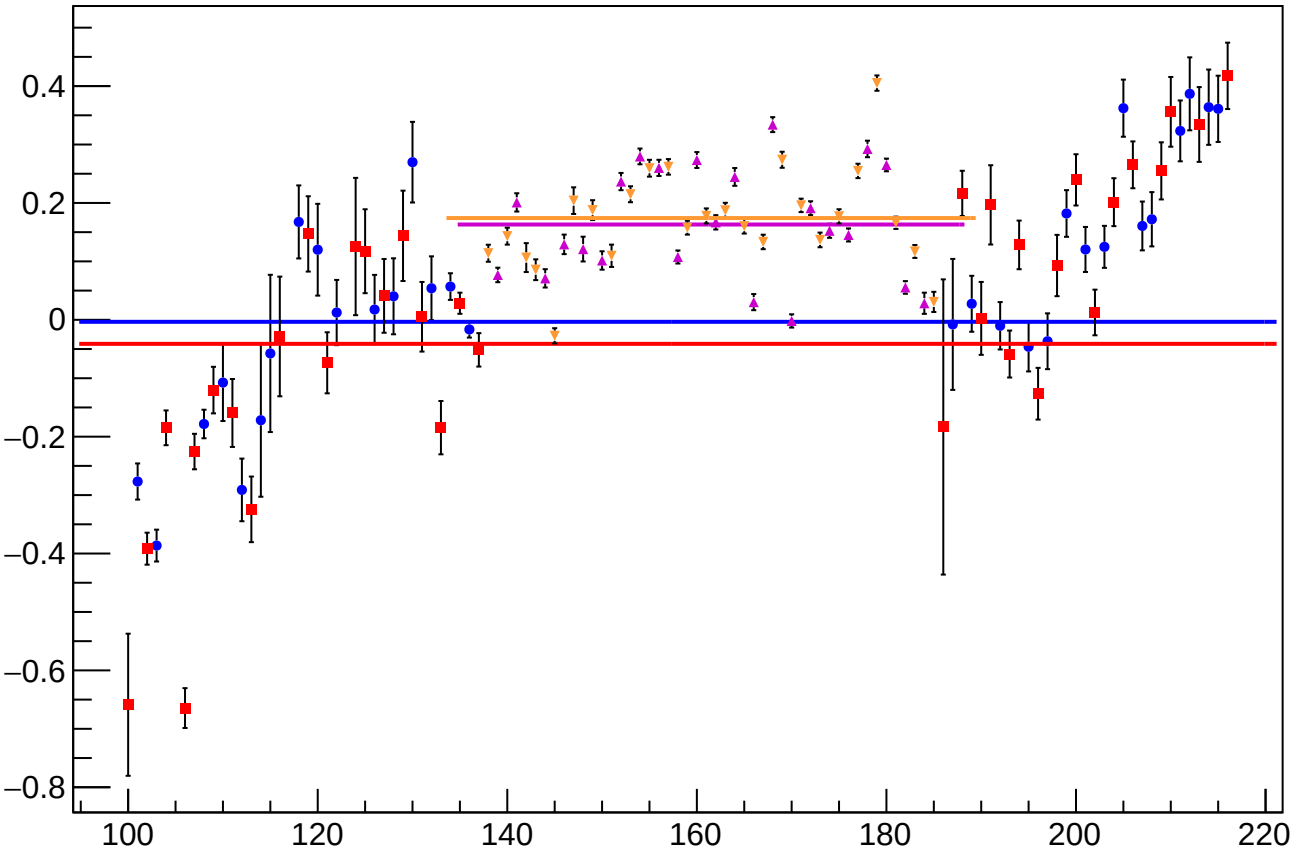
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.121+/-0.107 χ^2/NDF: 6609.2/65

In: -7.808+/-0.058 χ^2/NDF:6587.0/53

Out: -8.003+/-0.057 χ^2/NDF:6069.0/59

All: -7.908+/-0.041 χ^2/NDF: 12661.7/113



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: -0.041+/-0.007 χ^2/NDF: 1067.1/34

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

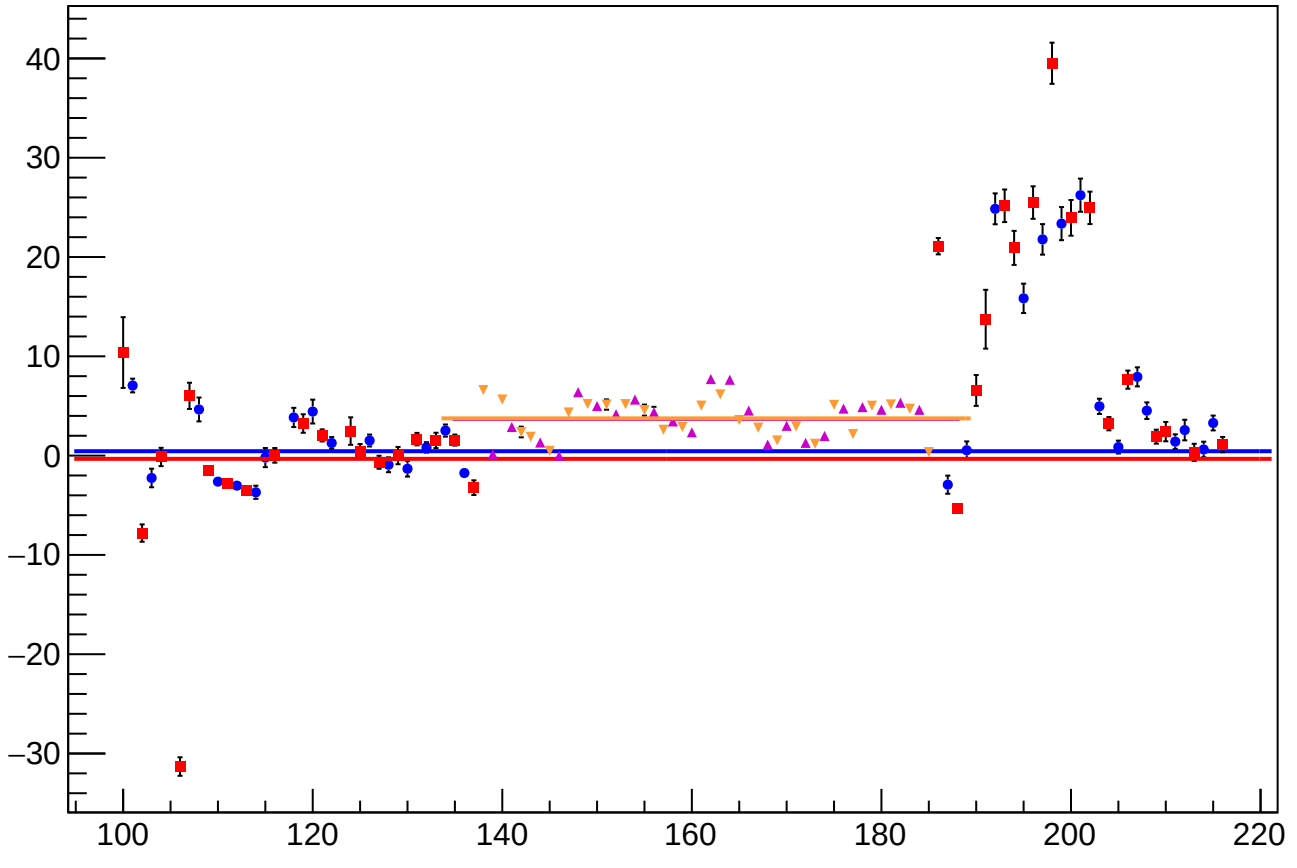
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.022+/-0.005 χ^2/NDF: 1760.9/65

In: 0.140+/-0.003 χ^2/NDF:2364.9/53

Out: 0.148+/-0.003 χ^2/NDF:2762.6/59

All: 0.144+/-0.002 χ^2/NDF: 5131.3/113



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: -0.325+/-0.113 χ^2/NDF: 3864.6/34

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

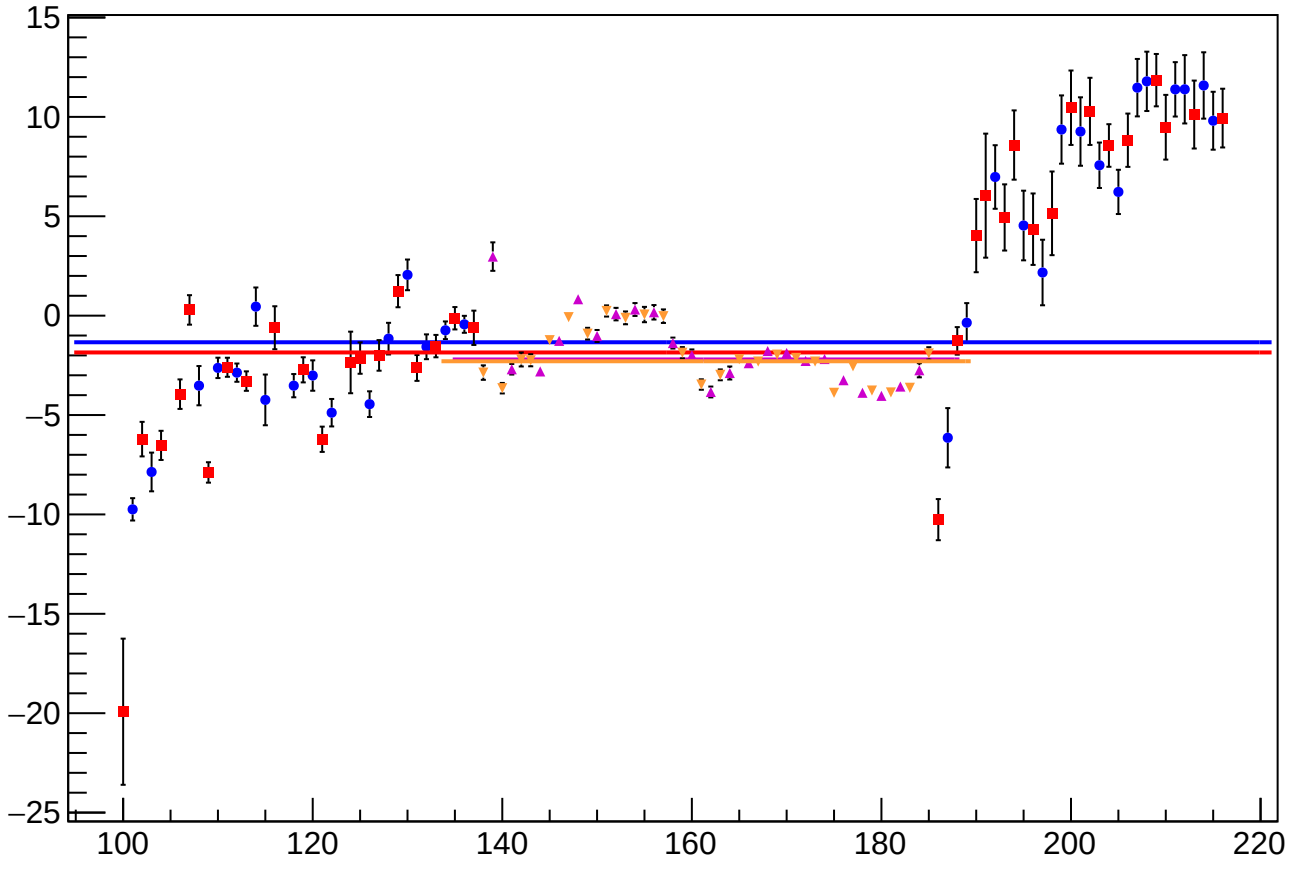
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: 0.040+/-0.082 χ^2/NDF: 5490.6/65

In: 2.960+/-0.056 χ^2/NDF:3135.5/53

Out: 2.807+/-0.054 χ^2/NDF:5674.5/59

All: 2.881+/-0.039 χ^2/NDF: 8813.8/113



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: -1.851+/-0.143 χ^2/NDF: 1014.7/34

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

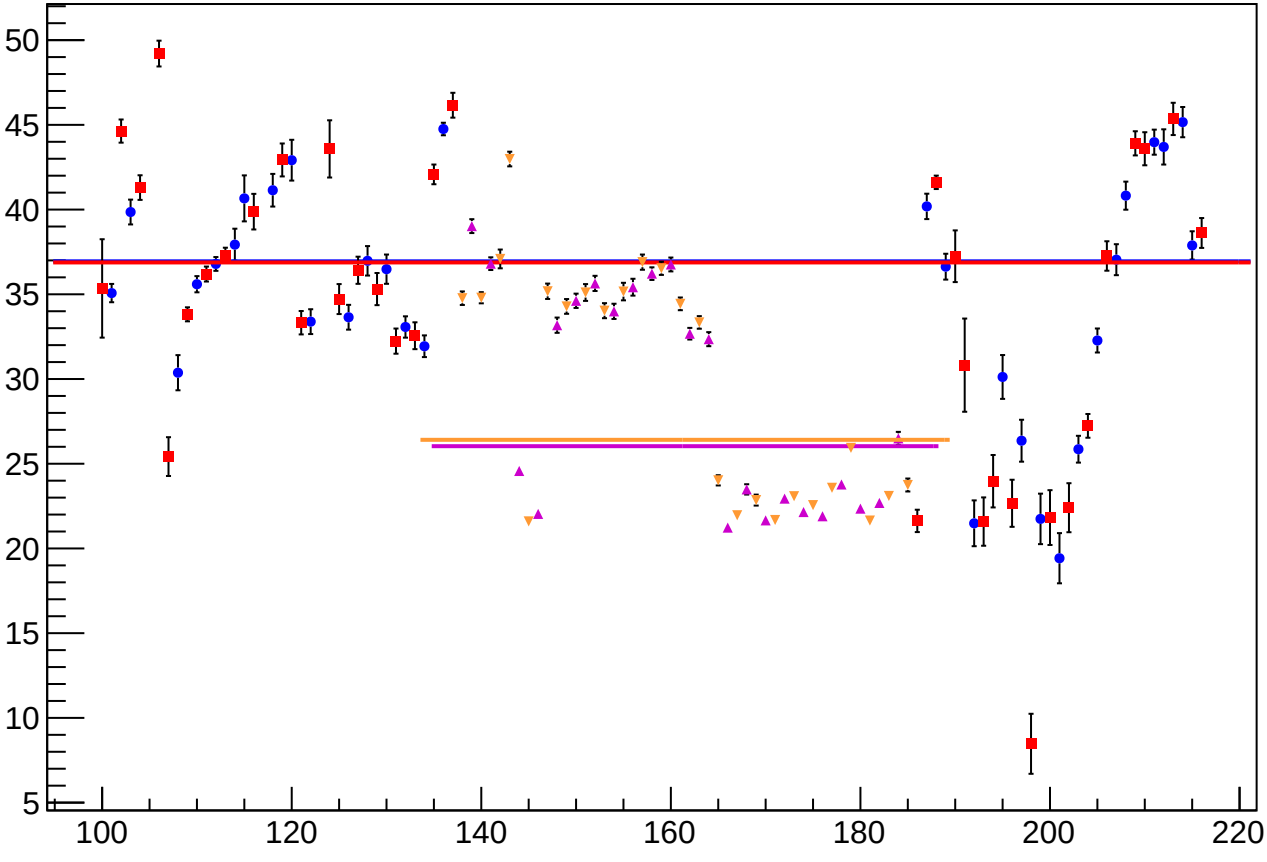
Right: -1.596+/-0.101 χ^2/NDF: 2068.0/65

In: -2.108+/-0.048 χ^2/NDF:1803.9/53

Out: -2.247+/-0.047 χ^2/NDF:1654.7/59

All: -2.179+/-0.033 χ^2/NDF: 3462.9/113

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: 36.880+/-0.129 χ^2/NDF: 2825.5/34

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

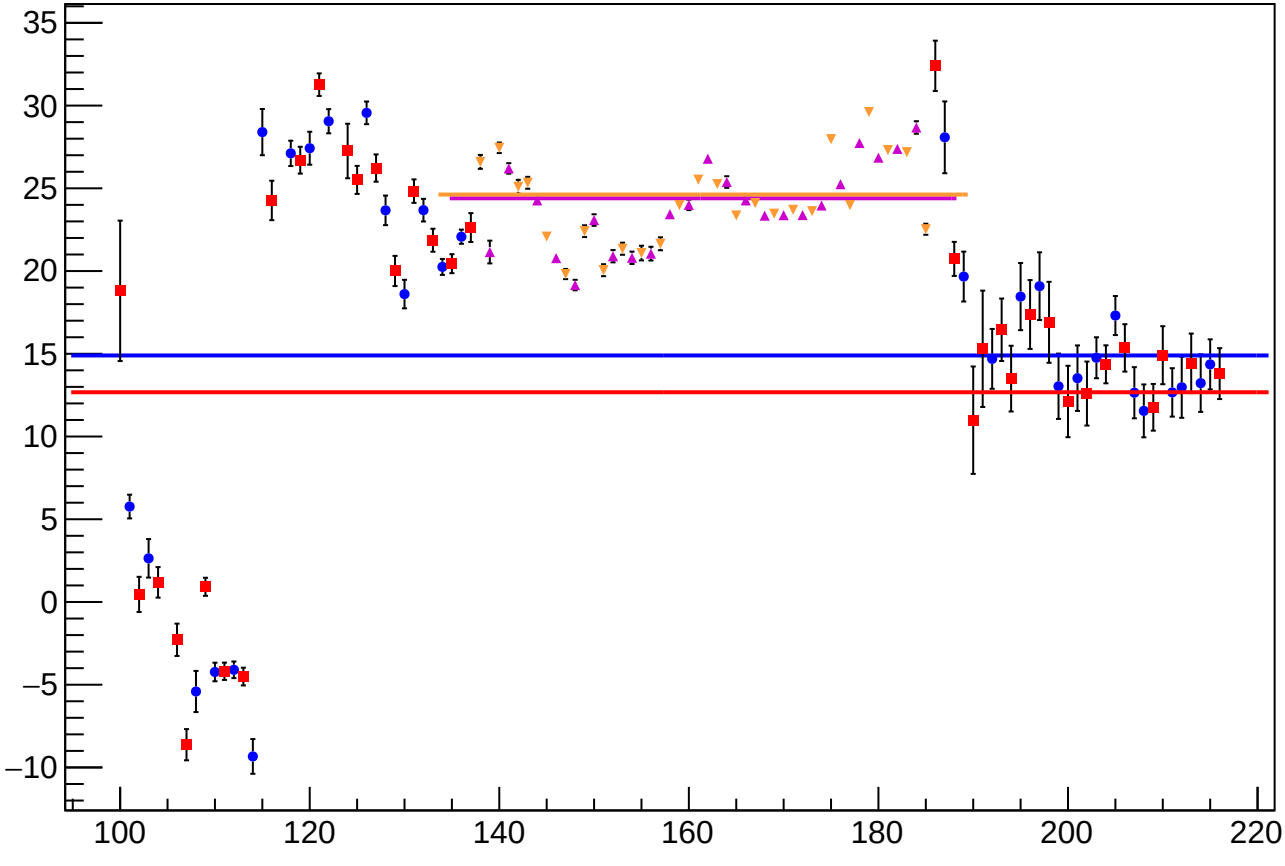
Right: 36.911+/-0.093 χ^2/NDF: 4517.6/65

In: 28.083+/-0.058 χ^2/NDF:15006.9/53

Out: 28.386+/-0.056 χ^2/NDF:17379.3/59

All: 28.238+/-0.040 χ^2/NDF: 32400.4/113

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: 12.675+/-0.163 χ^2/NDF: 6374.2/34

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

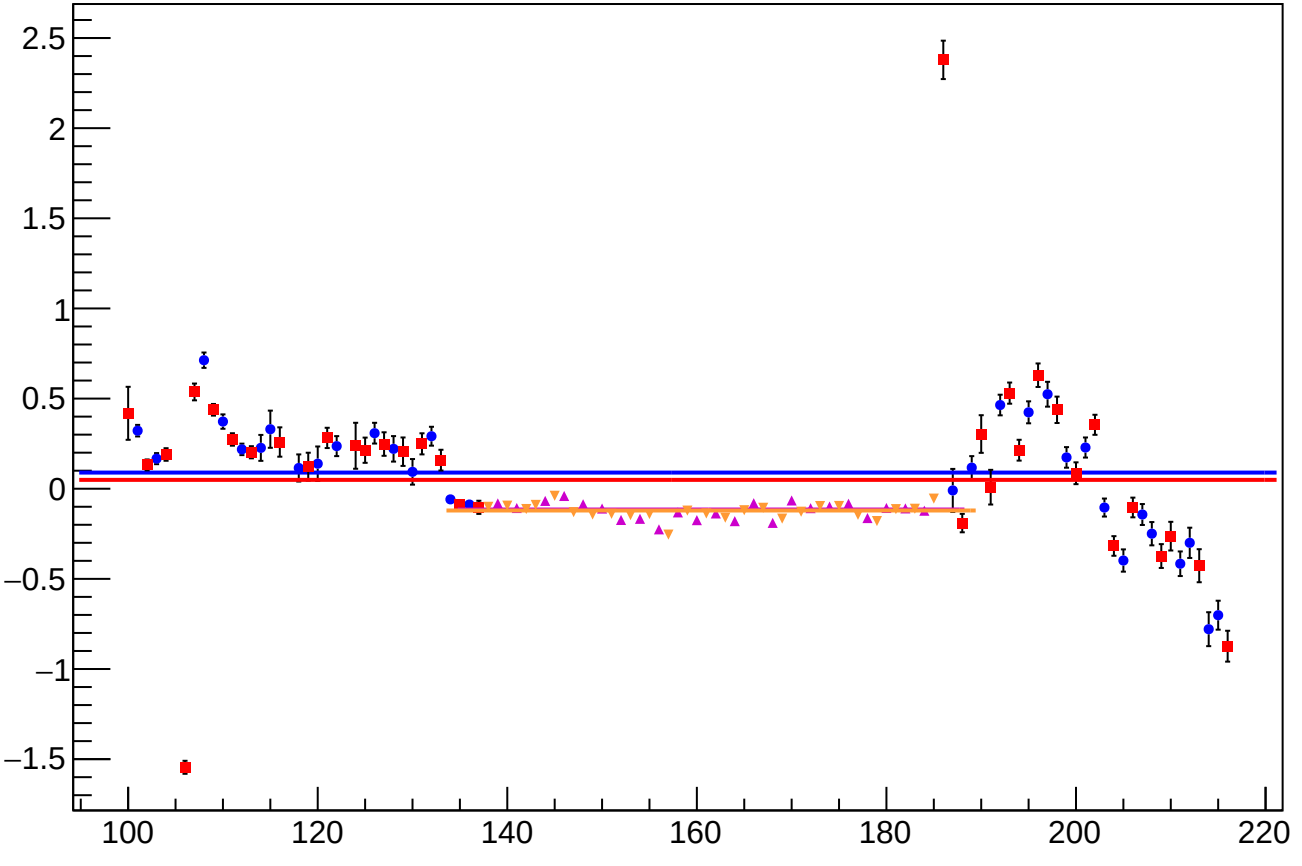
Right: 13.801+/-0.114 χ^2/NDF: 12226.2/65

In: 23.353+/-0.053 χ^2/NDF:10583.9/53

Out: 23.392+/-0.052 χ^2/NDF:13160.7/59

All: 23.373+/-0.037 χ^2/NDF: 23744.8/113

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: 0.049+/-0.008 χ^2/NDF: 3389.0/34

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

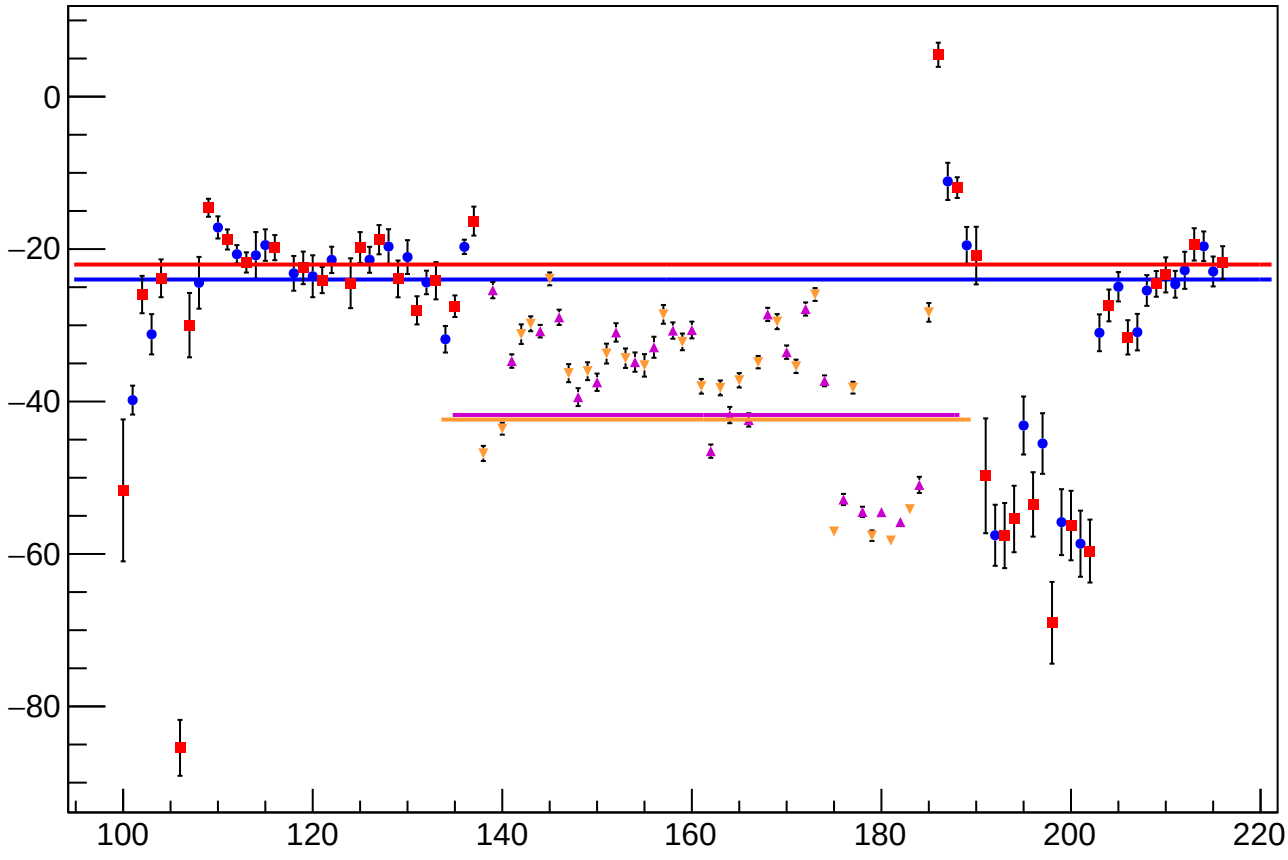
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.070+/-0.006 χ^2/NDF: 4435.0/65

In: -0.098+/-0.002 χ^2/NDF:1894.9/53

Out: -0.107+/-0.002 χ^2/NDF:4025.8/59

All: -0.103+/-0.002 χ^2/NDF: 5928.9/113



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: -22.026+/-0.353 χ^2/NDF: 1204.1/34

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

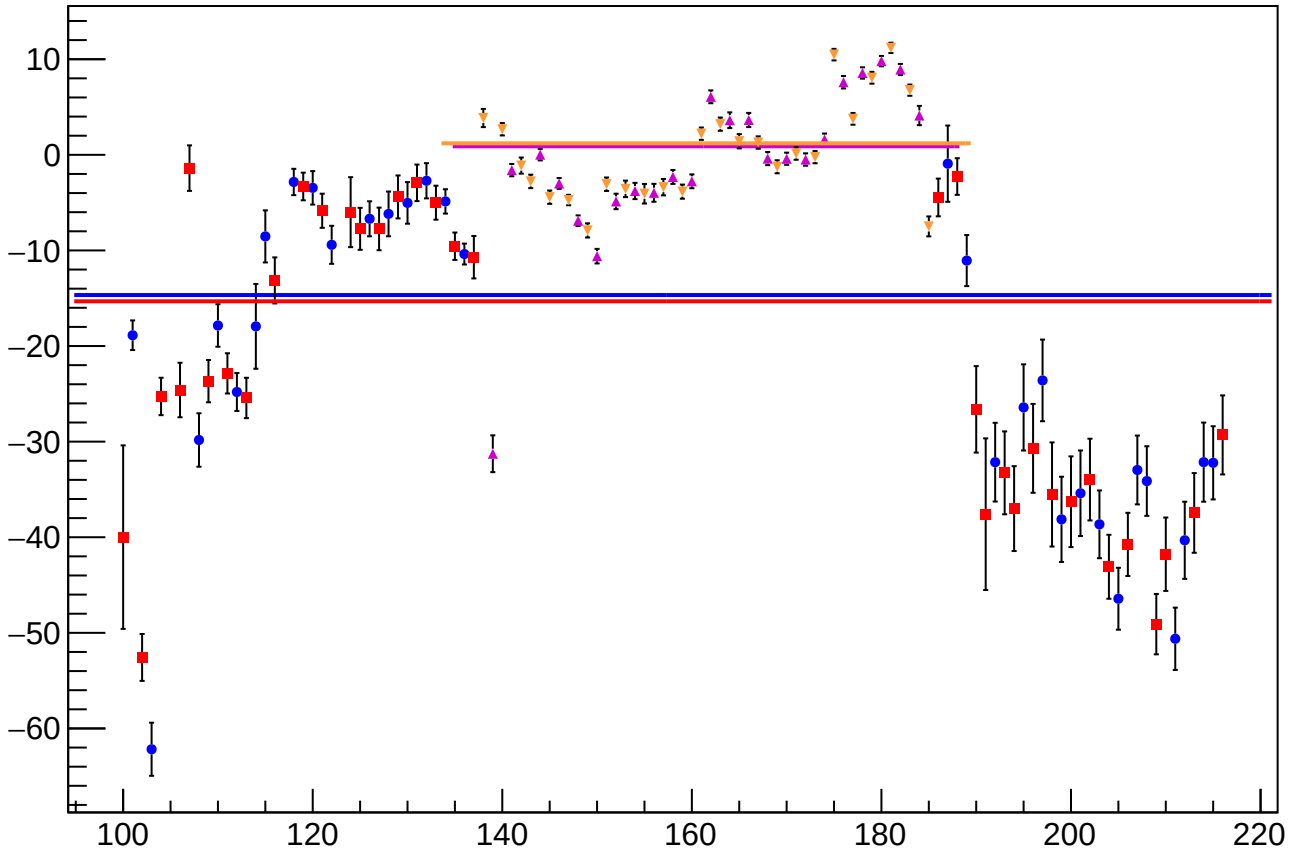
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.996+/-0.251 χ^2/NDF: 1680.2/65

In: -38.119+/-0.162 χ^2/NDF:5881.8/53

Out: -38.349+/-0.157 χ^2/NDF:8342.7/59

All: -38.238+/-0.113 χ^2/NDF: 14225.5/113



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: -15.321+/-0.420 χ^2/NDF: 1130.6/34

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

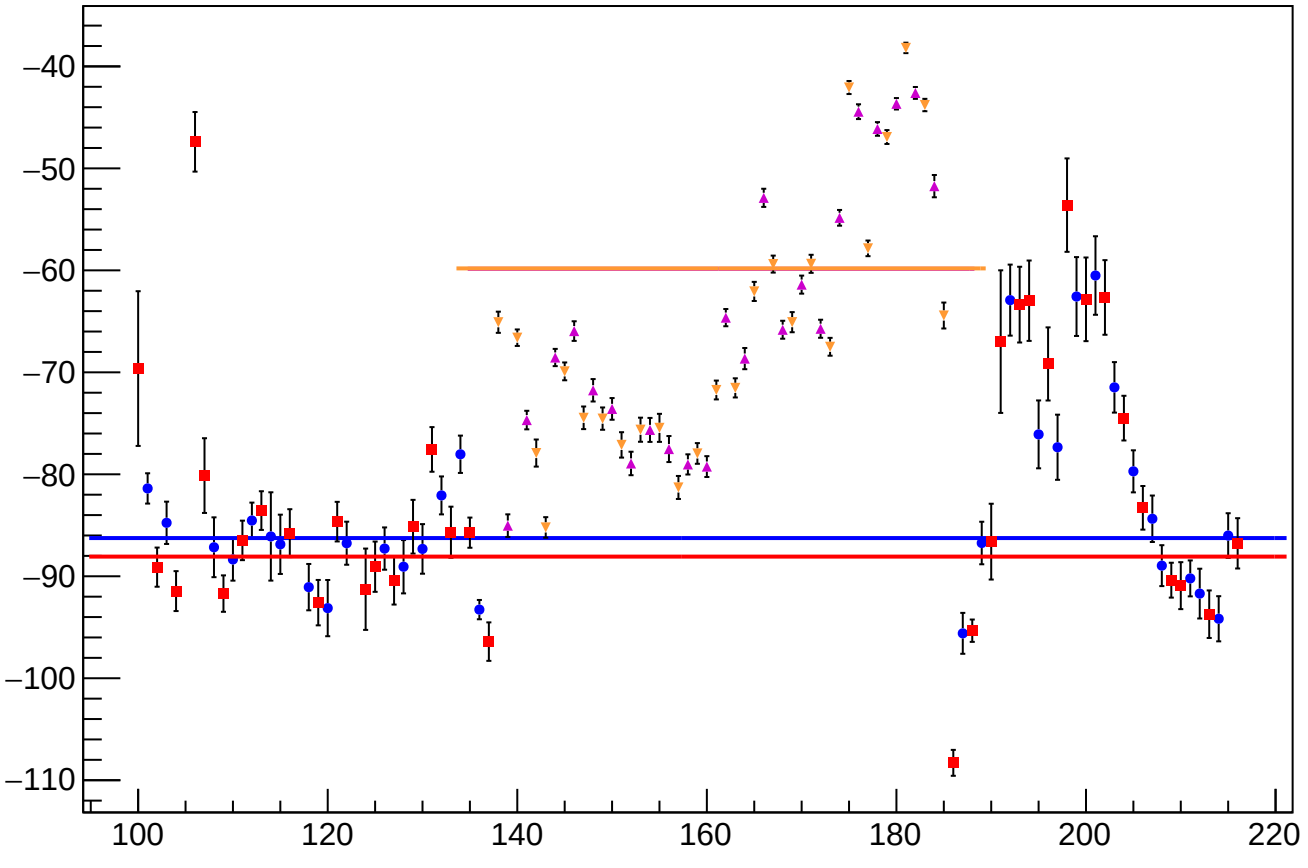
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -14.986+/-0.294 χ^2/NDF: 2274.8/65

In: -0.795+/-0.135 χ^2/NDF:4188.8/53

Out: -0.408+/-0.131 χ^2/NDF:3989.6/59

All: -0.596+/-0.094 χ^2/NDF: 8182.6/113



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: -88.071+/-0.374 χ^2/NDF: 890.1/34

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

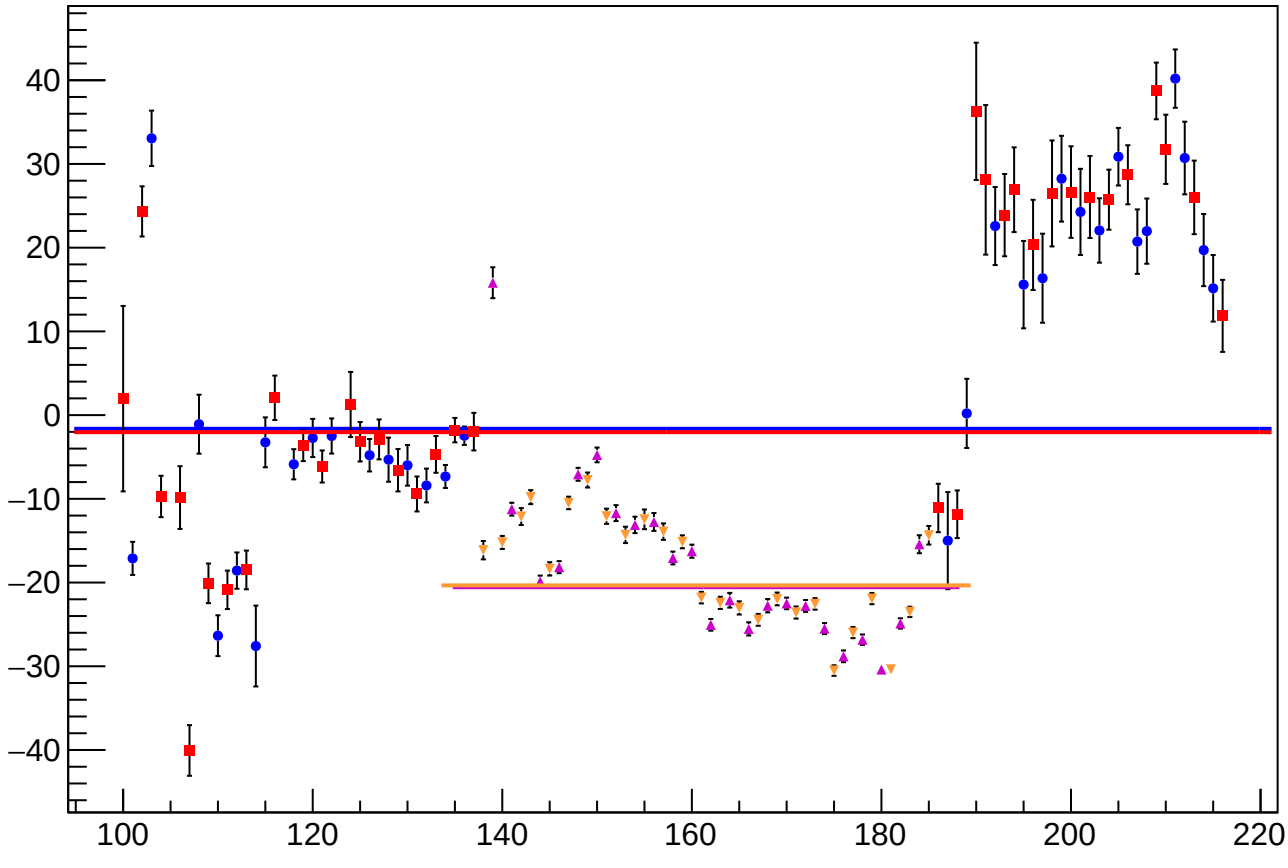
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -87.175+/-0.266 χ^2/NDF: 1244.6/65

In: -64.749+/-0.163 χ^2/NDF:9826.4/53

Out: -64.903+/-0.159 χ^2/NDF:12220.2/59

All: -64.829+/-0.114 χ^2/NDF: 22047.1/113



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: -2.037+/-0.482 χ^2/NDF: 1063.8/34

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

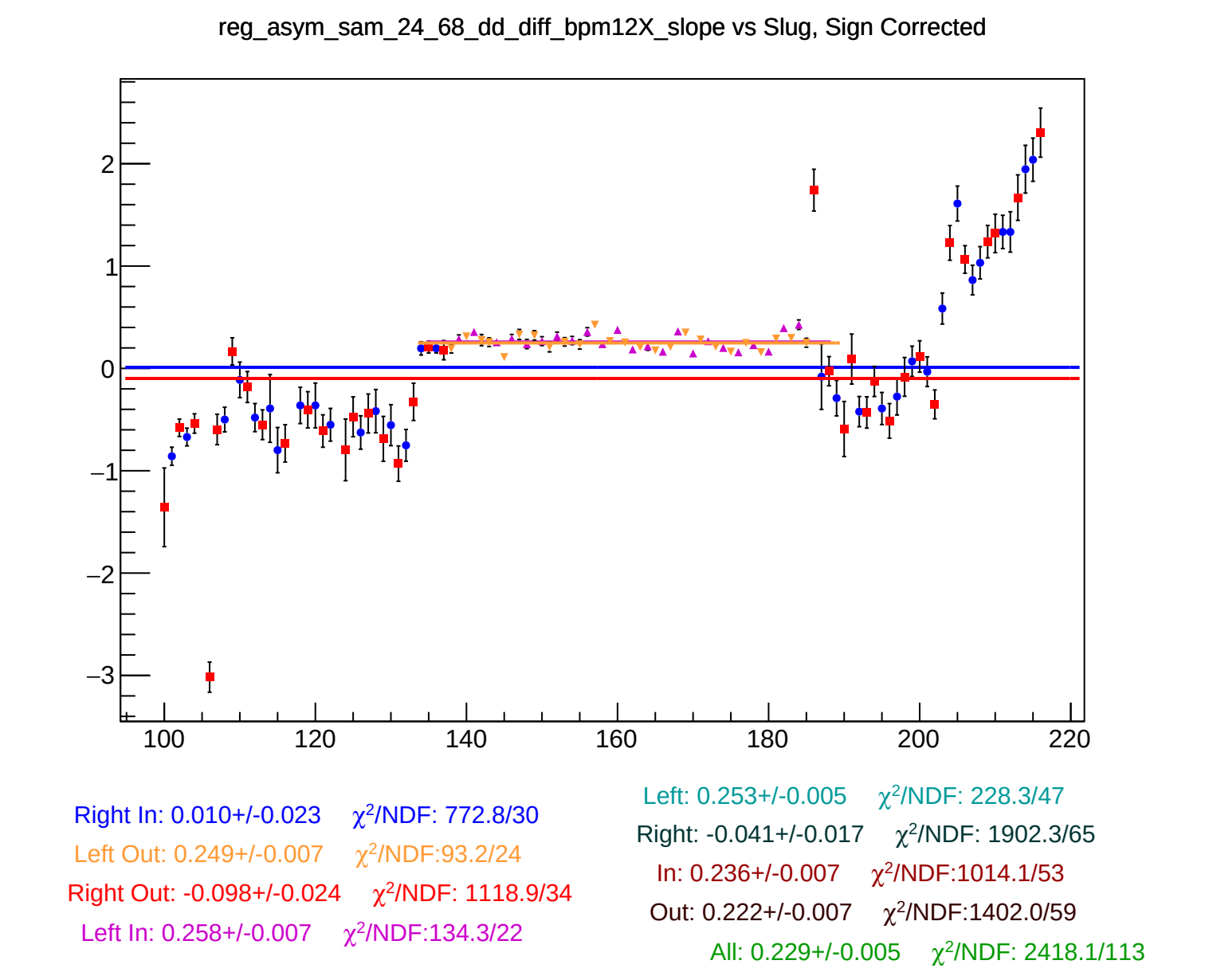
Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

Right: -1.828+/-0.333 χ^2/NDF: 2025.0/65

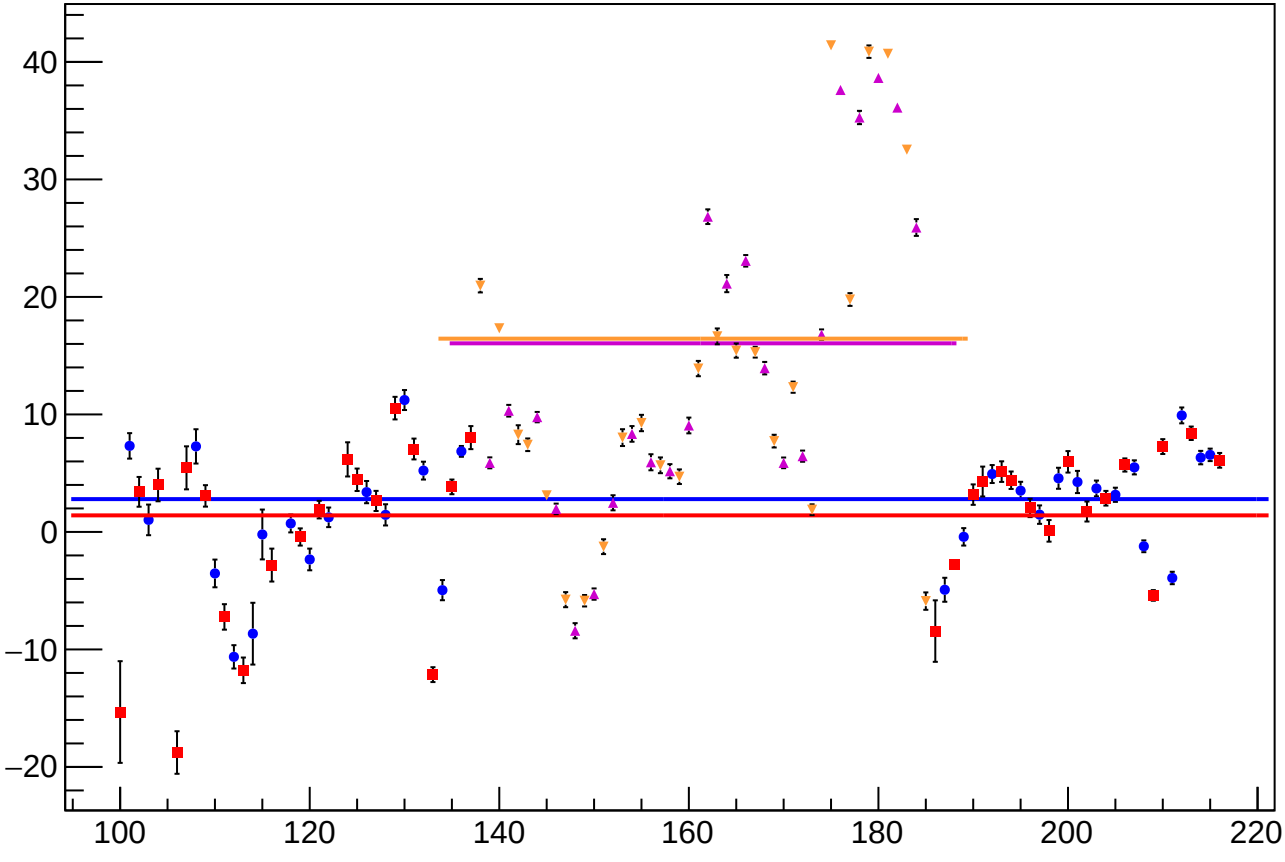
In: -18.534+/-0.151 χ^2/NDF:4656.3/53

Out: -18.632+/-0.147 χ^2/NDF:4071.8/59

All: -18.584+/-0.105 χ^2/NDF: 8728.3/113


reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.010+/-0.023 χ²/NDF: 772.8/30
Left Out: 0.249+/-0.007 χ²/NDF:93.2/24
Right Out: -0.098+/-0.024 χ²/NDF: 1118.9/34
Left In: 0.258+/-0.007 χ²/NDF:134.3/22
Left: 0.253+/-0.005 χ²/NDF: 228.3/47
Right: -0.041+/-0.017 χ²/NDF: 1902.3/65
In: 0.236+/-0.007 χ²/NDF:1014.1/53
Out: 0.222+/-0.007 χ²/NDF:1402.0/59
All: 0.229+/-0.005 χ²/NDF: 2418.1/113

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 1.409+/-0.133 χ^2/NDF: 1841.2/34

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

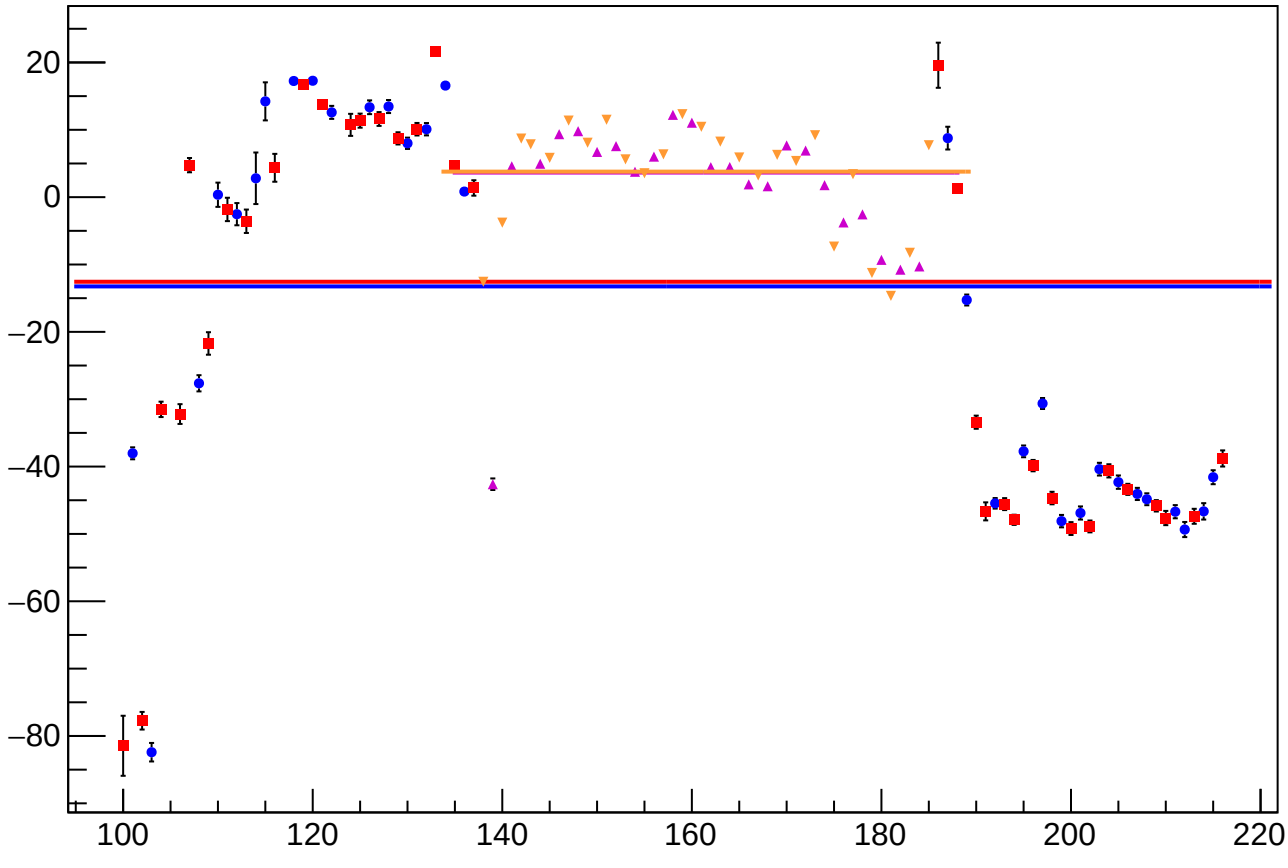
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 2.086+/-0.095 χ^2/NDF: 3008.4/65

In: 10.960+/-0.084 χ^2/NDF:24608.6/53

Out: 10.734+/-0.082 χ^2/NDF:31186.3/59

All: 10.844+/-0.059 χ^2/NDF: 55798.7/113



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: -12.559+/-0.154 χ^2/NDF: 34680.4/34

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

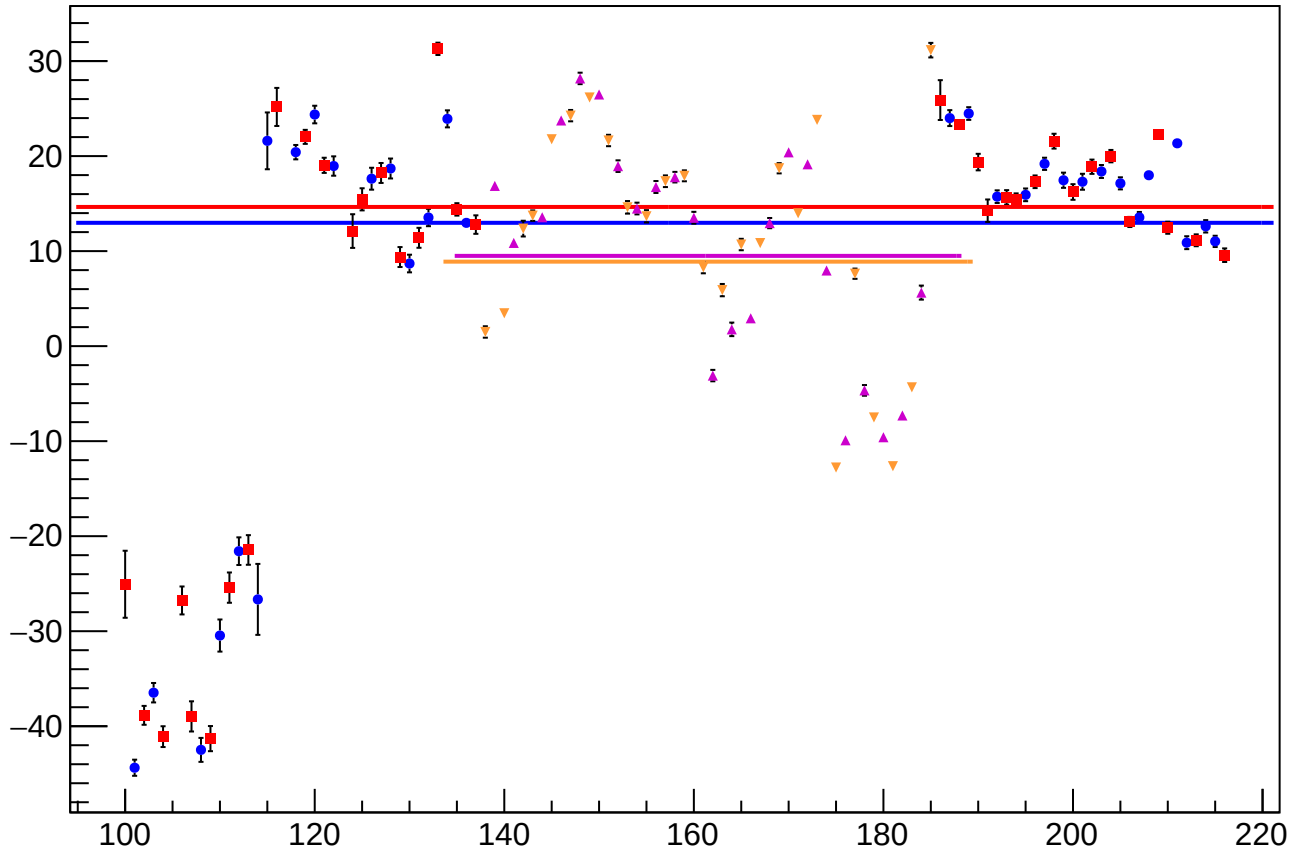
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -12.893+/-0.111 χ^2/NDF: 65370.5/65

In: 0.050+/-0.074 χ^2/NDF:47829.1/53

Out: 0.305+/-0.071 χ^2/NDF:52664.5/59

All: 0.182+/-0.051 χ^2/NDF: 100499.8/113



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: 14.649+/-0.130 χ^2/NDF: 12837.3/34

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

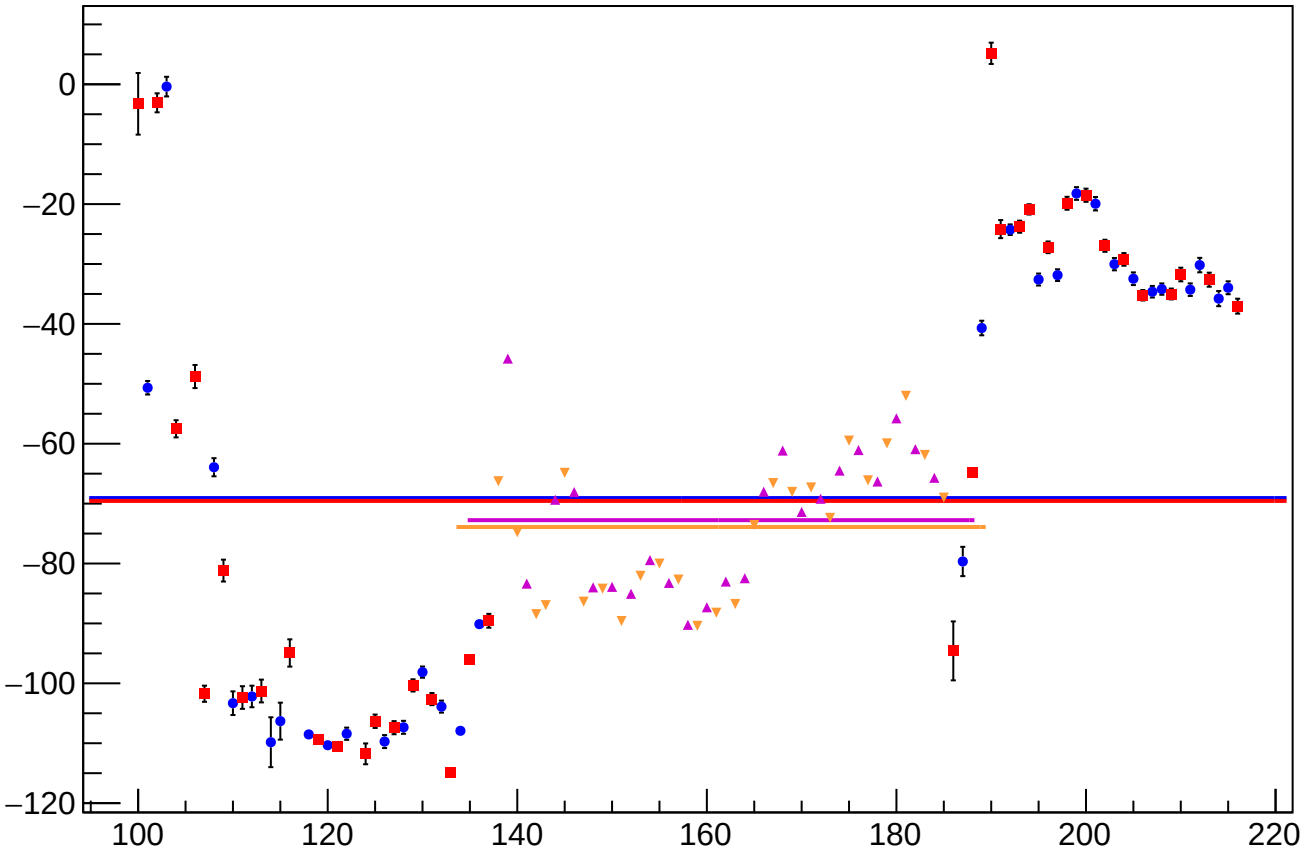
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.852+/-0.094 χ^2/NDF: 24736.9/65

In: 10.821+/-0.084 χ^2/NDF:25267.0/53

Out: 11.130+/-0.081 χ^2/NDF:29463.2/59

All: 10.981+/-0.058 χ^2/NDF: 54737.2/113



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: -69.548+/-0.179 χ^2/NDF: 46670.2/34

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

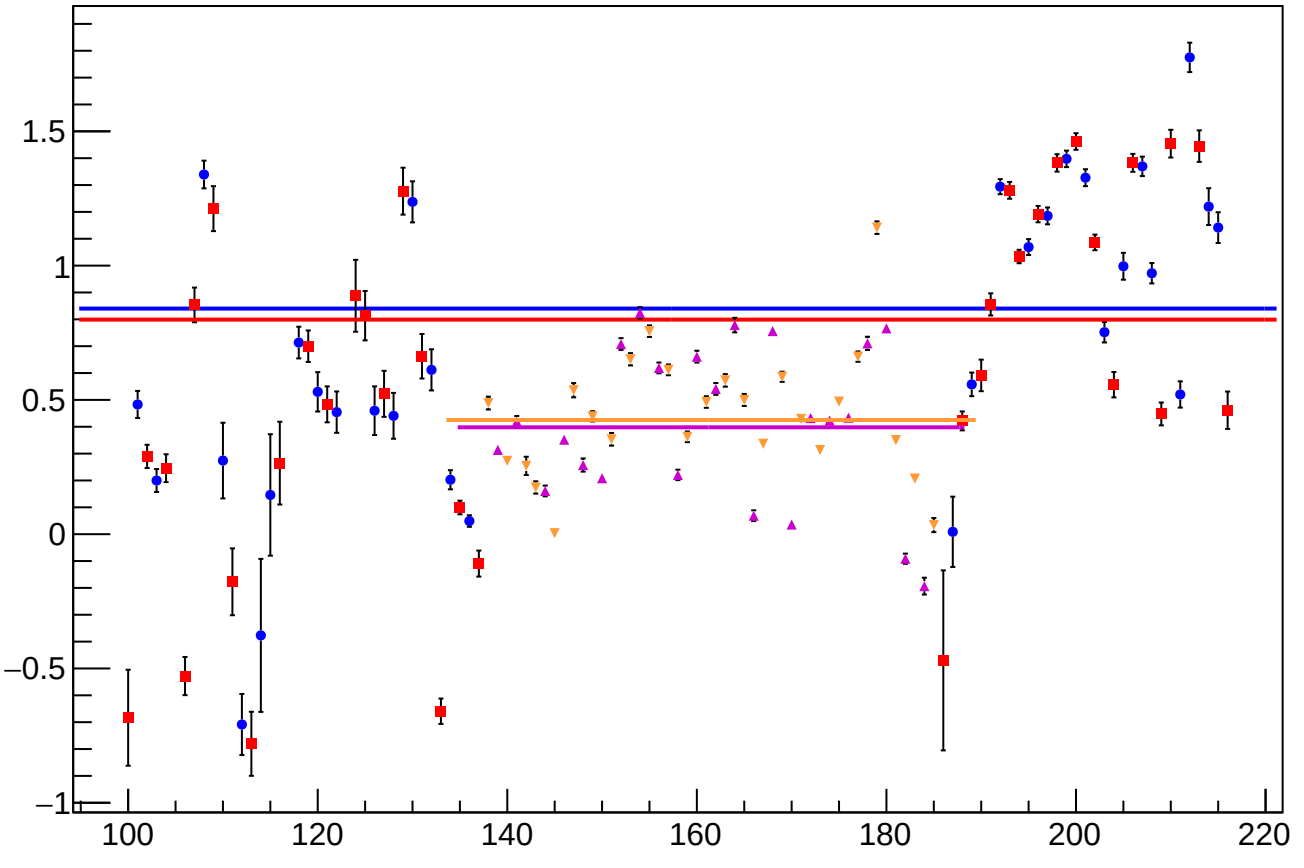
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -69.316+/-0.128 χ^2/NDF: 86967.6/65

In: -71.998+/-0.083 χ^2/NDF:53230.3/53

Out: -73.020+/-0.081 χ^2/NDF:62709.7/59

All: -72.524+/-0.058 χ^2/NDF: 116017.9/113



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: 0.799+/-0.008 χ^2/NDF: 5299.5/34

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

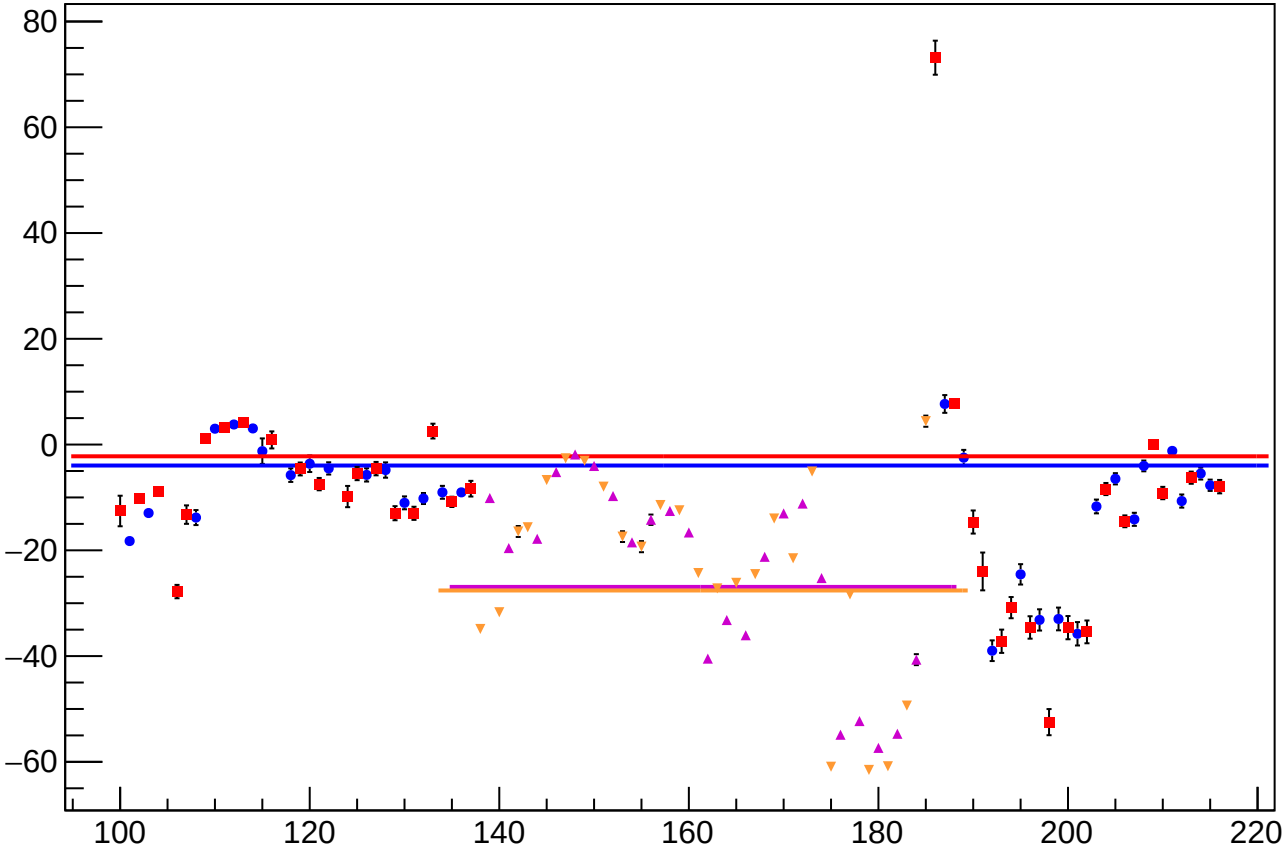
Right: 0.819+/-0.006 χ^2/NDF: 9431.8/65

In: 0.490+/-0.004 χ^2/NDF:10791.3/53

Out: 0.505+/-0.004 χ^2/NDF:10155.1/59

All: 0.498+/-0.003 χ^2/NDF: 20954.4/113

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: -2.220+/-0.153 χ^2/NDF: 4097.6/34

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

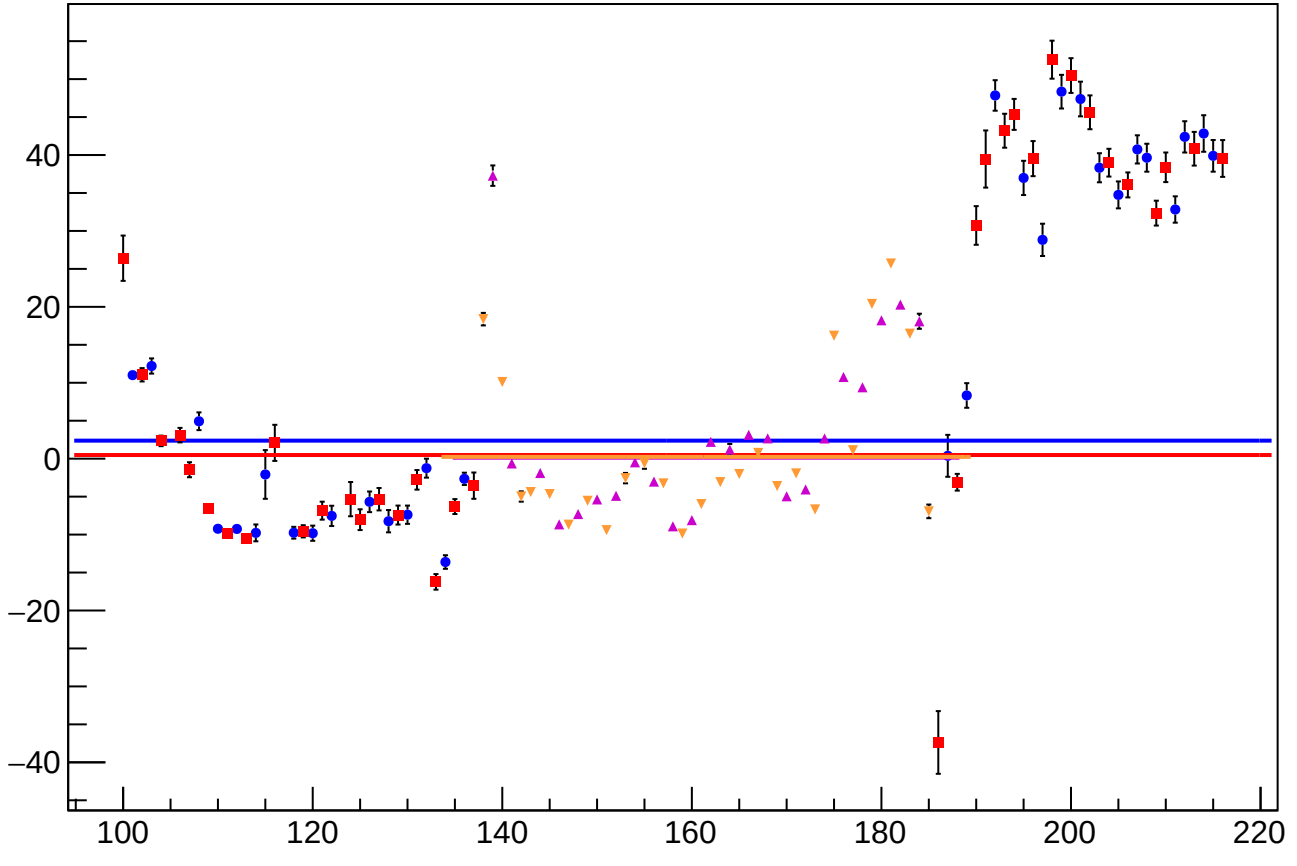
Right: -3.014+/-0.113 χ^2/NDF: 6980.4/65

In: -16.757+/-0.111 χ^2/NDF:28835.3/53

Out: -15.643+/-0.105 χ^2/NDF:38420.2/59

All: -16.167+/-0.076 χ^2/NDF: 67308.6/113

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: 0.481+/-0.201 χ^2/NDF: 6692.8/34

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

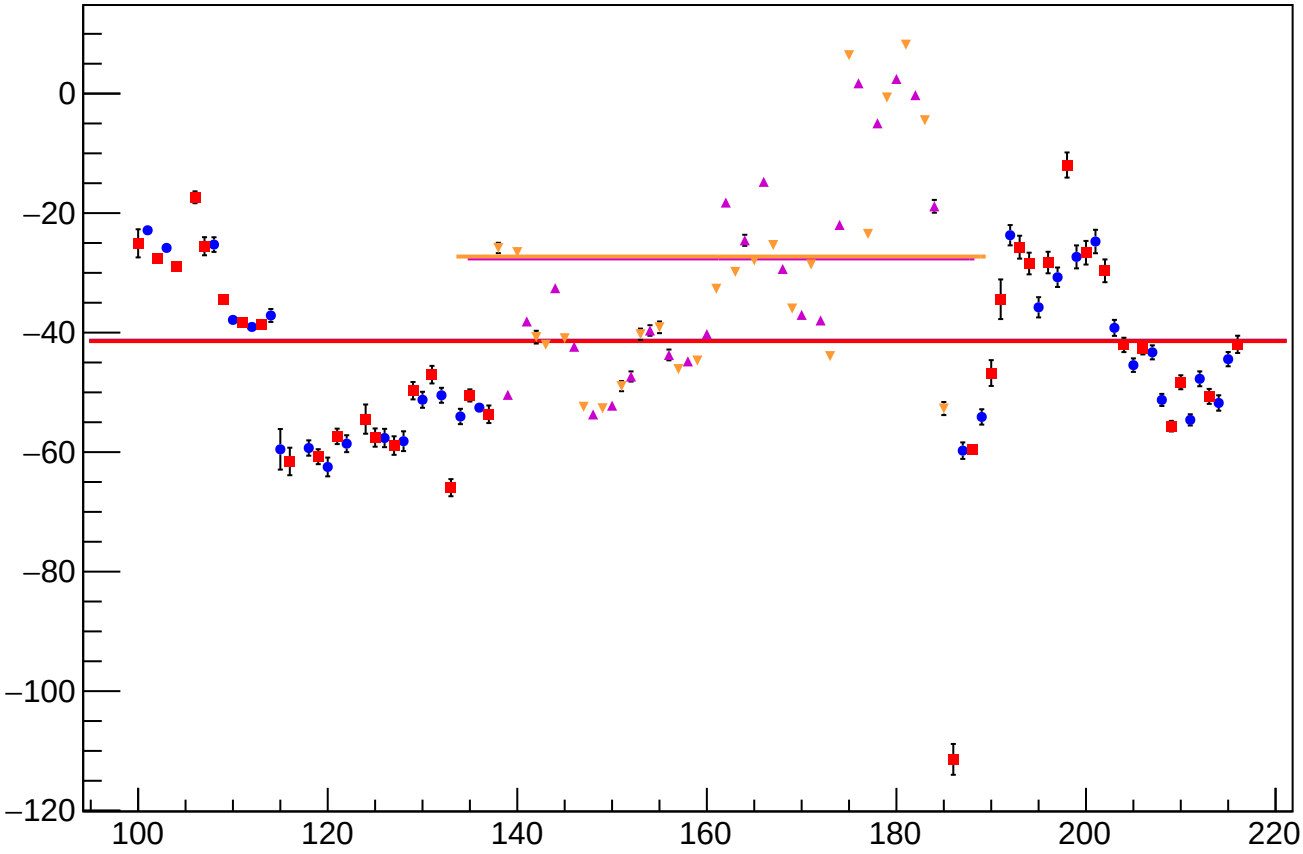
Right: 1.398+/-0.144 χ^2/NDF: 13457.3/65

In: 0.657+/-0.100 χ^2/NDF:12648.7/53

Out: 0.295+/-0.097 χ^2/NDF:14729.5/59

All: 0.469+/-0.070 χ^2/NDF: 27385.0/113

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -41.419+/-0.178 χ^2/NDF: 5353.0/34

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

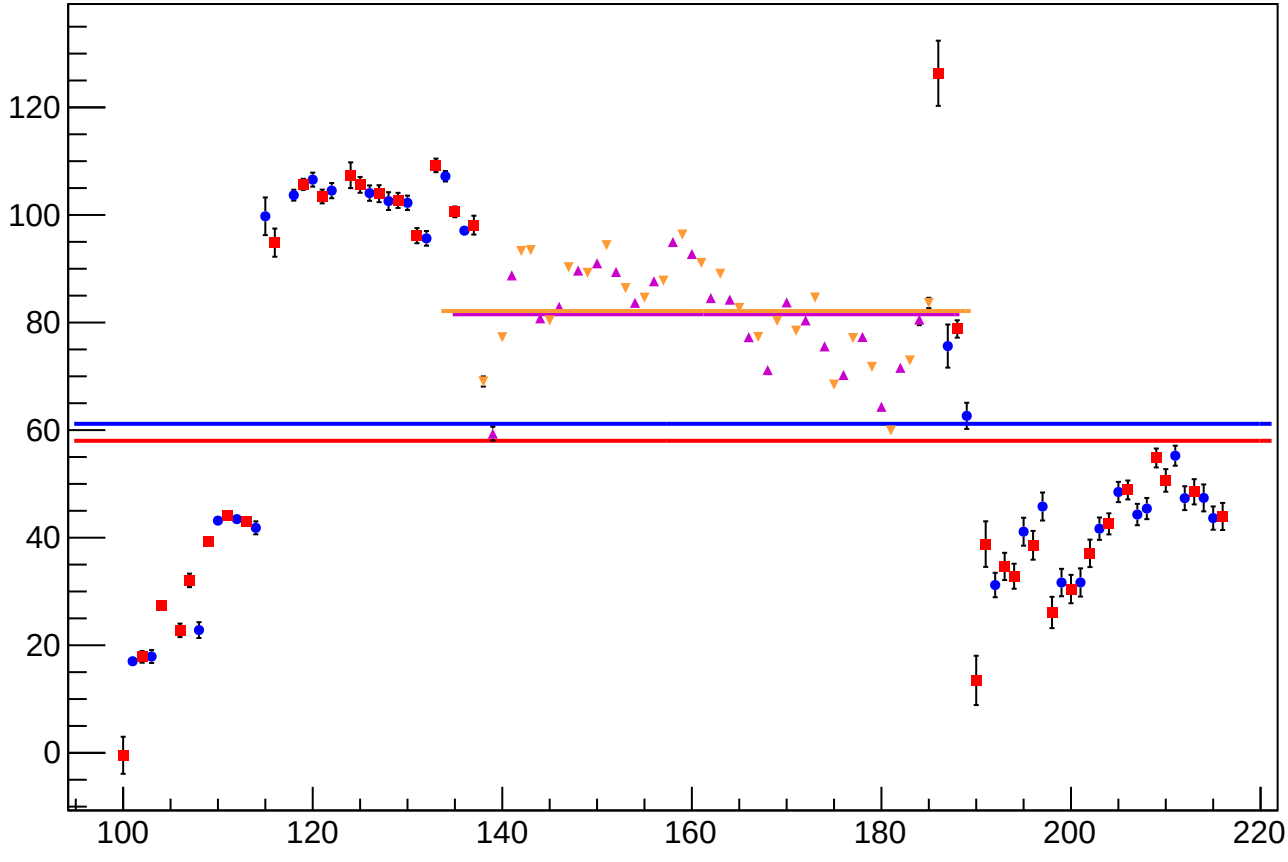
Right: -41.390+/-0.129 χ^2/NDF: 9357.9/65

In: -32.889+/-0.116 χ^2/NDF:22981.2/53

Out: -32.856+/-0.112 χ^2/NDF:27696.7/59

All: -32.872+/-0.081 χ^2/NDF: 50677.9/113

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: 58.016+/-0.229 χ^2/NDF: 18594.9/34

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

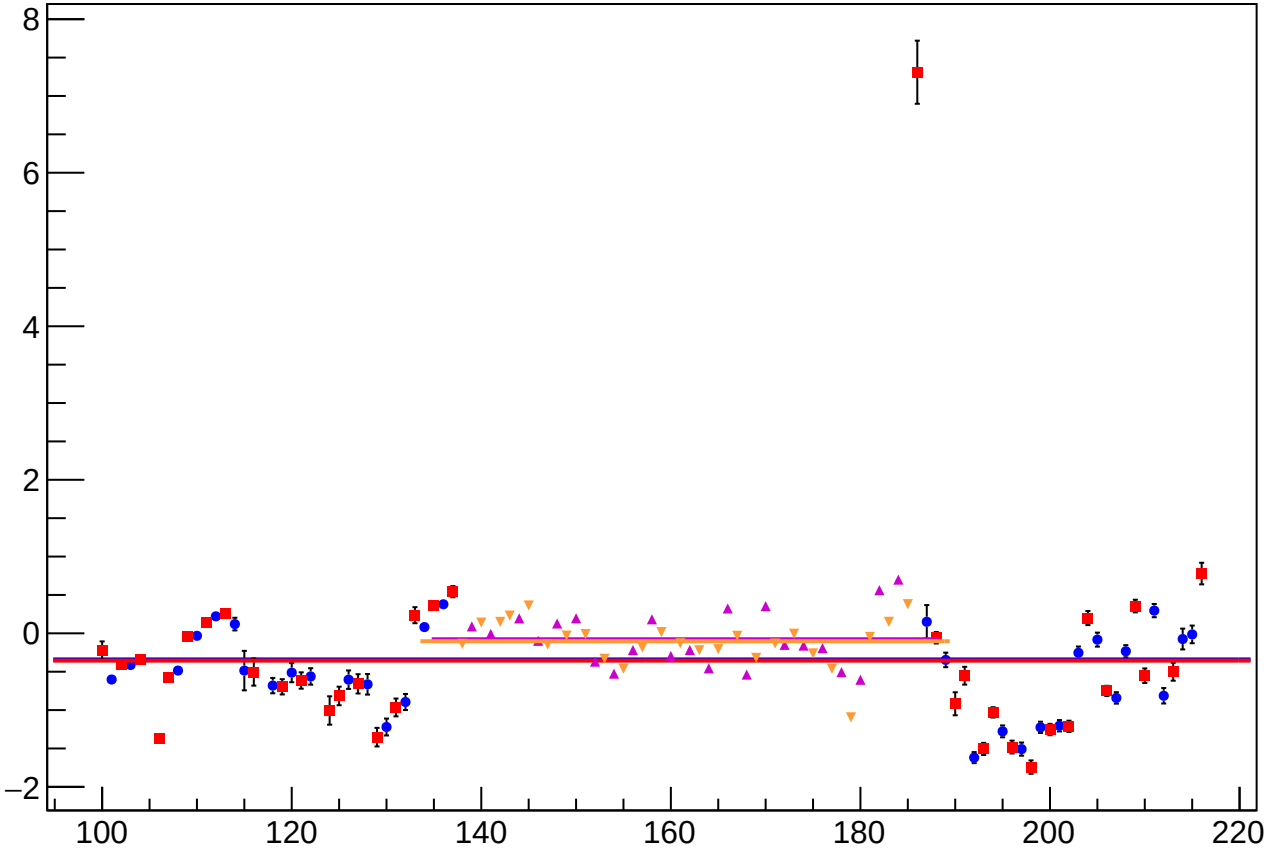
Right: 59.549+/-0.164 χ^2/NDF: 38377.3/65

In: 76.849+/-0.113 χ^2/NDF:29476.9/53

Out: 76.618+/-0.110 χ^2/NDF:32517.0/59

All: 76.730+/-0.079 χ^2/NDF: 61996.1/113

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: -0.356+/-0.011 χ^2/NDF: 3110.2/34

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

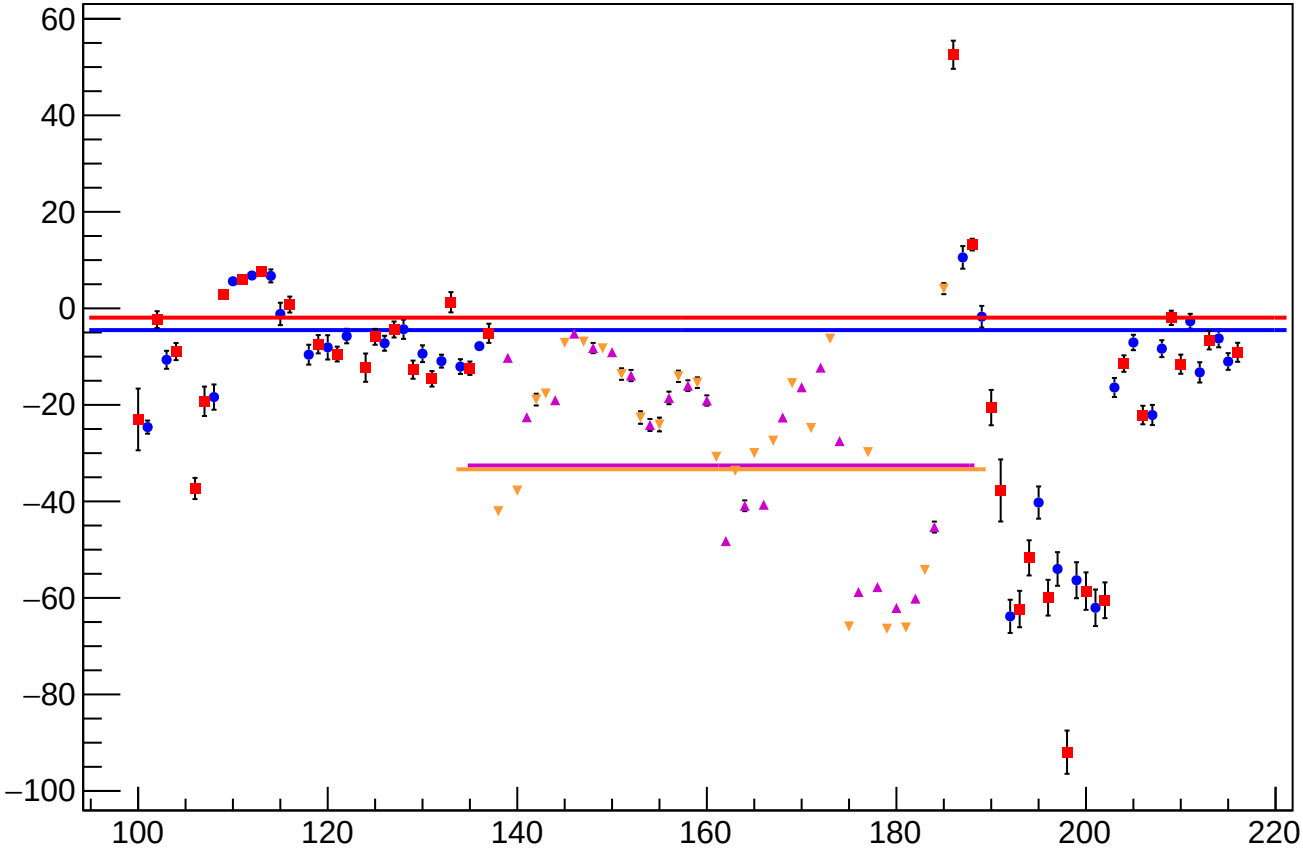
Right: -0.348+/-0.008 χ^2/NDF: 5229.5/65

In: -0.129+/-0.005 χ^2/NDF:5855.3/53

Out: -0.154+/-0.005 χ^2/NDF:5926.3/59

All: -0.142+/-0.004 χ^2/NDF: 11793.8/113

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: -1.922+/-0.252 χ^2/NDF: 3278.3/34

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

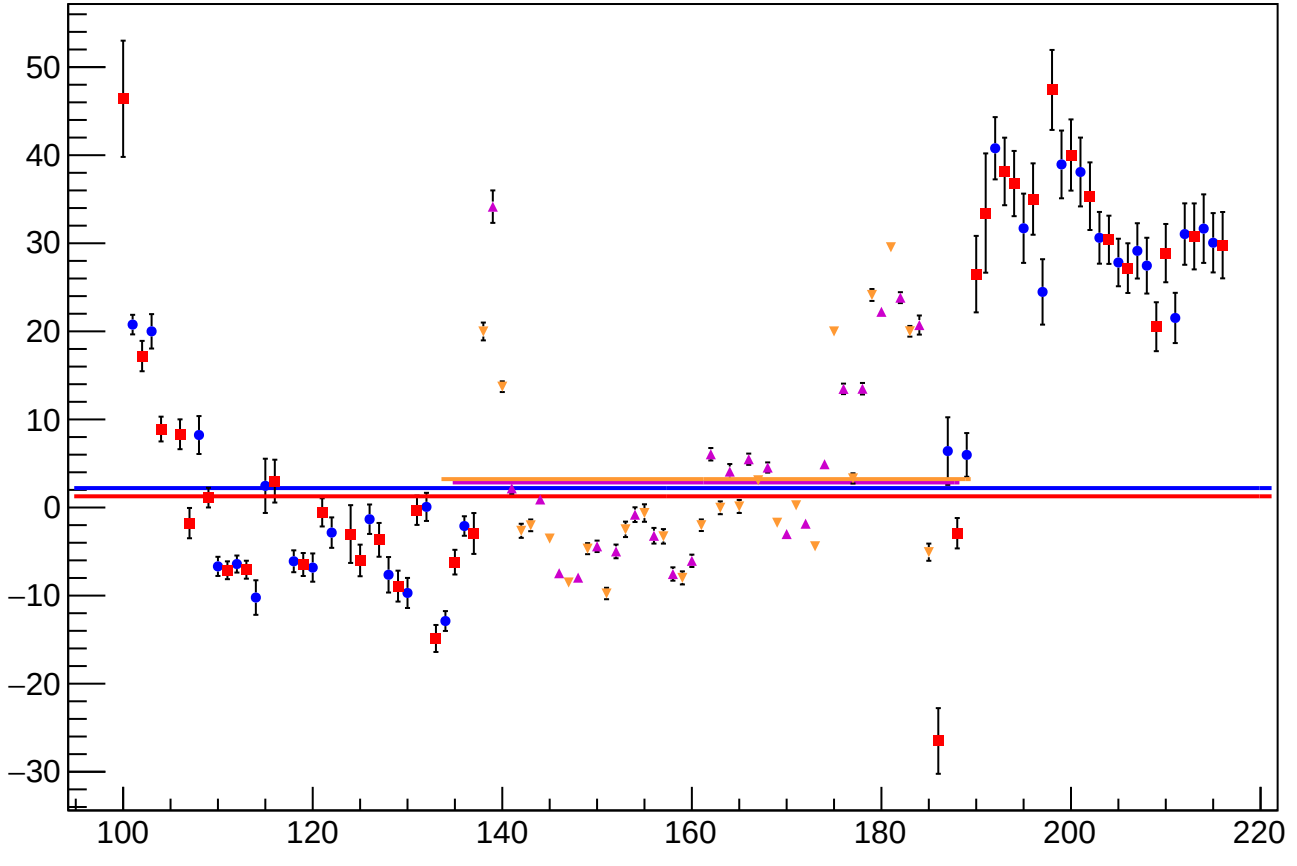
Right: -3.128+/-0.184 χ^2/NDF: 5542.1/65

In: -24.599+/-0.143 χ^2/NDF:23890.4/53

Out: -23.955+/-0.138 χ^2/NDF:32159.7/59

All: -24.264+/-0.099 χ^2/NDF: 56060.5/113

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: 1.272+/-0.326 χ^2/NDF: 1637.0/34

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

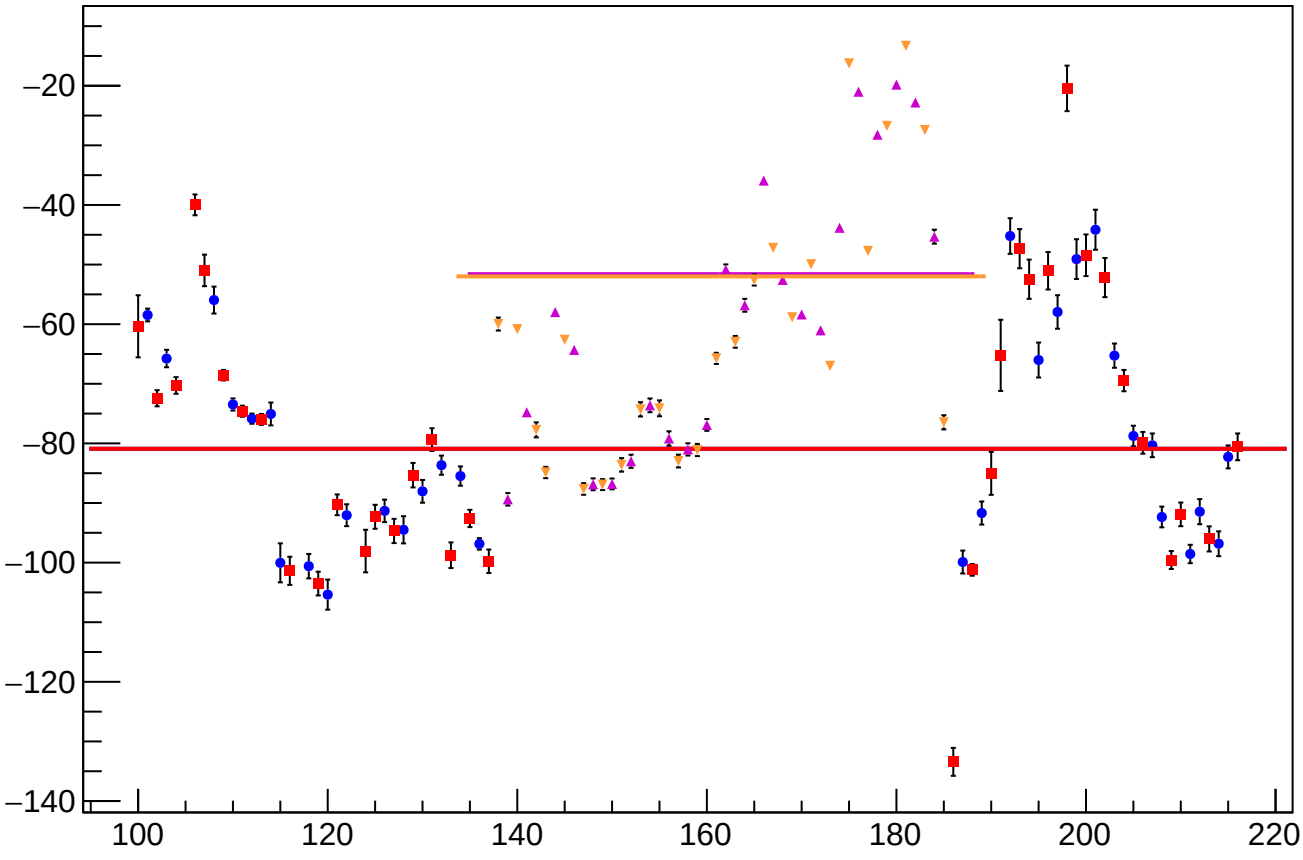
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 1.736+/-0.231 χ^2/NDF: 3507.2/65

In: 2.757+/-0.122 χ^2/NDF:7324.9/53

Out: 2.963+/-0.119 χ^2/NDF:9343.6/59

All: 2.862+/-0.085 χ^2/NDF: 16670.0/113



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: -80.903+/-0.294 χ^2/NDF: 3524.0/34

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

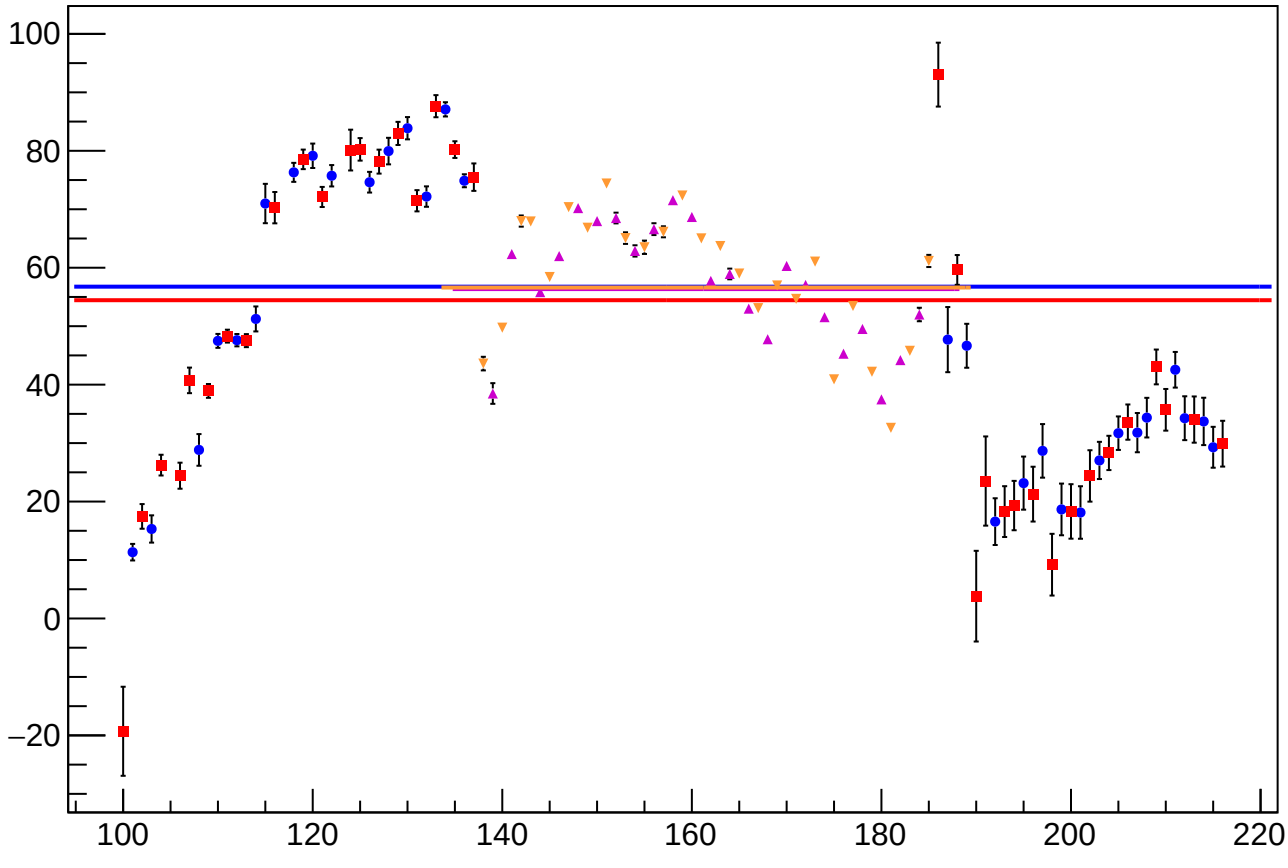
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -80.901+/-0.211 χ^2/NDF: 5809.6/65

In: -58.574+/-0.148 χ^2/NDF:27042.5/53

Out: -58.905+/-0.144 χ^2/NDF:31781.8/59

All: -58.744+/-0.103 χ^2/NDF: 58826.9/113



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: 54.443+/-0.370 χ^2/NDF: 3560.4/34

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

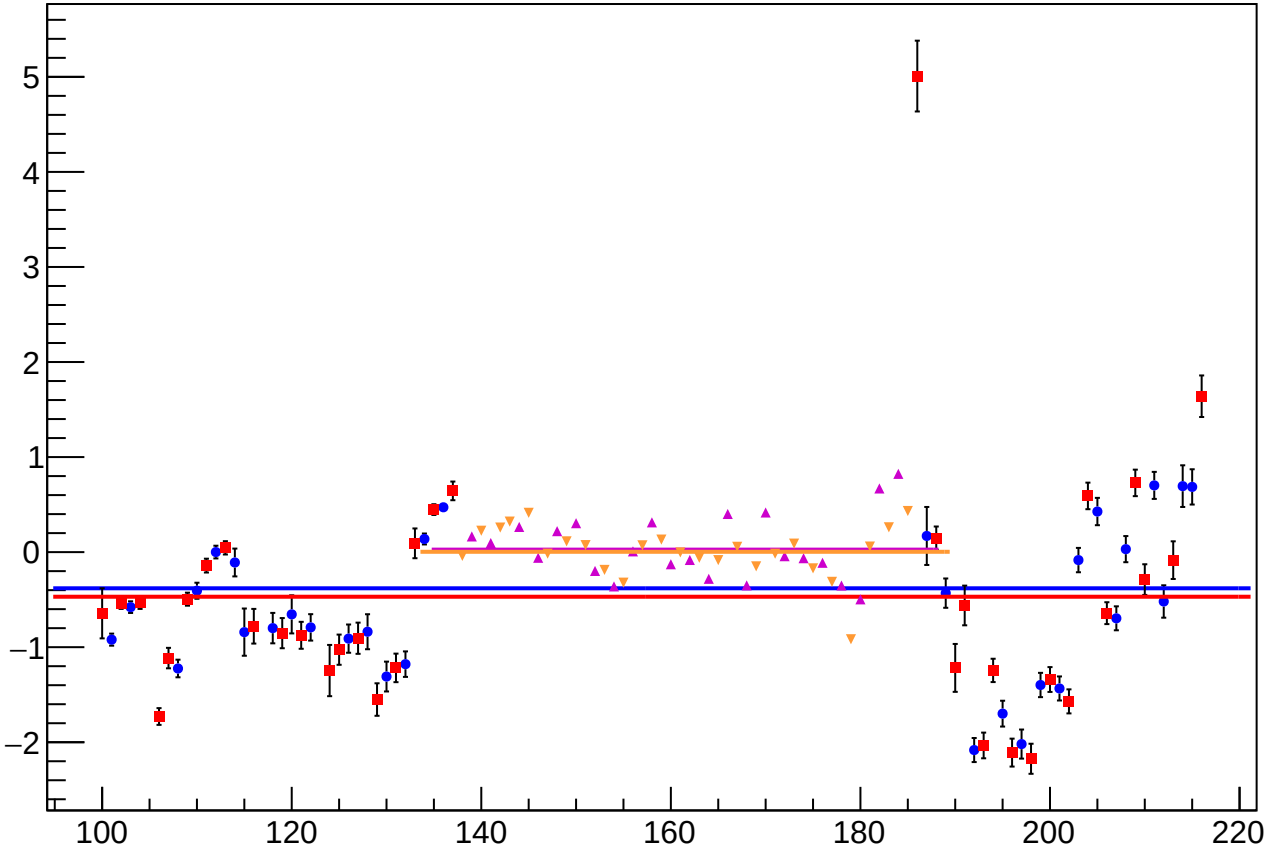
Right: 55.603+/-0.262 χ^2/NDF: 7695.0/65

In: 56.404+/-0.137 χ^2/NDF:8084.7/53

Out: 56.327+/-0.134 χ^2/NDF:9256.4/59

All: 56.365+/-0.096 χ^2/NDF: 17341.3/113

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: -0.469+/-0.019 χ^2/NDF: 1850.1/34

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

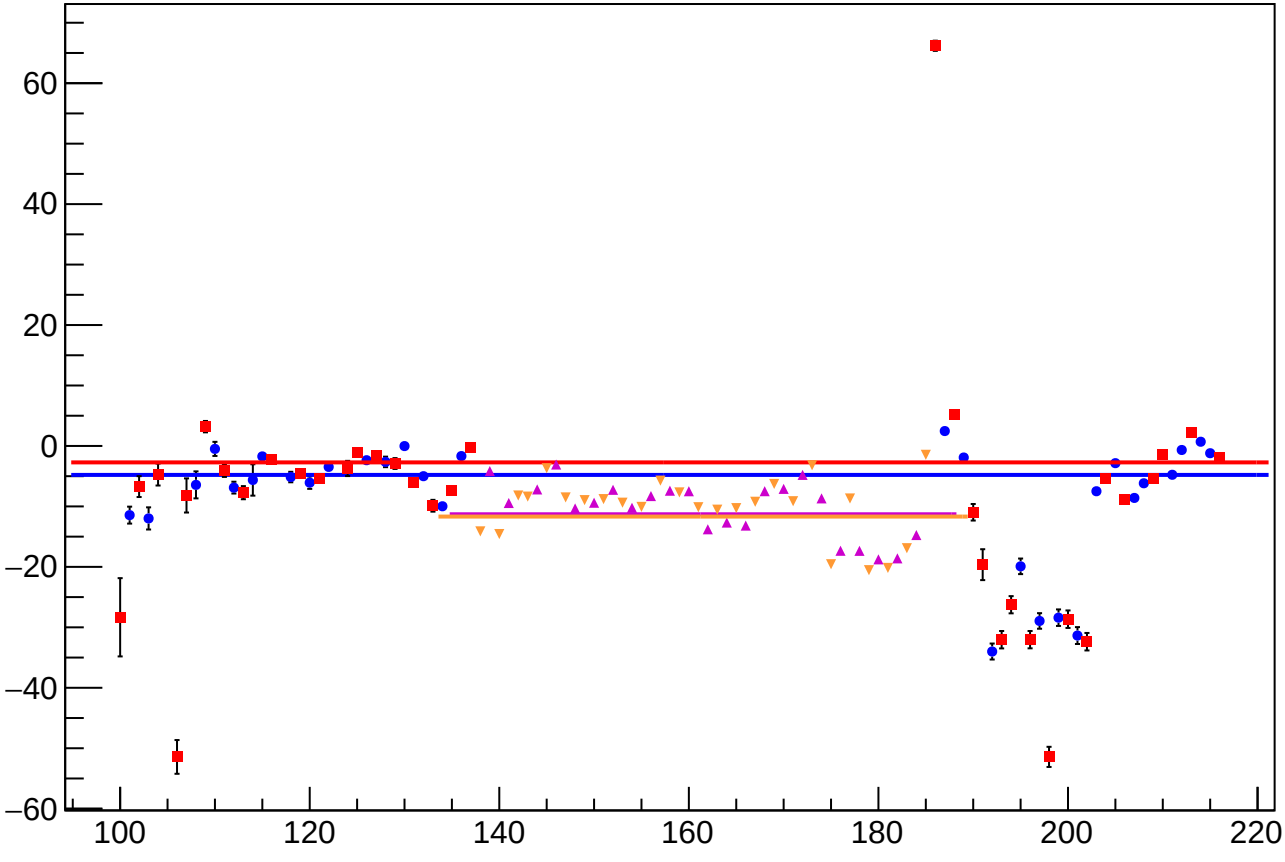
Right: -0.425+/-0.013 χ^2/NDF: 3303.9/65

In: -0.018+/-0.006 χ^2/NDF:4208.9/53

Out: -0.046+/-0.006 χ^2/NDF:4109.5/59

All: -0.032+/-0.004 χ^2/NDF: 8328.4/113

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: -2.719+/-0.144 χ^2/NDF: 10571.5/34

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

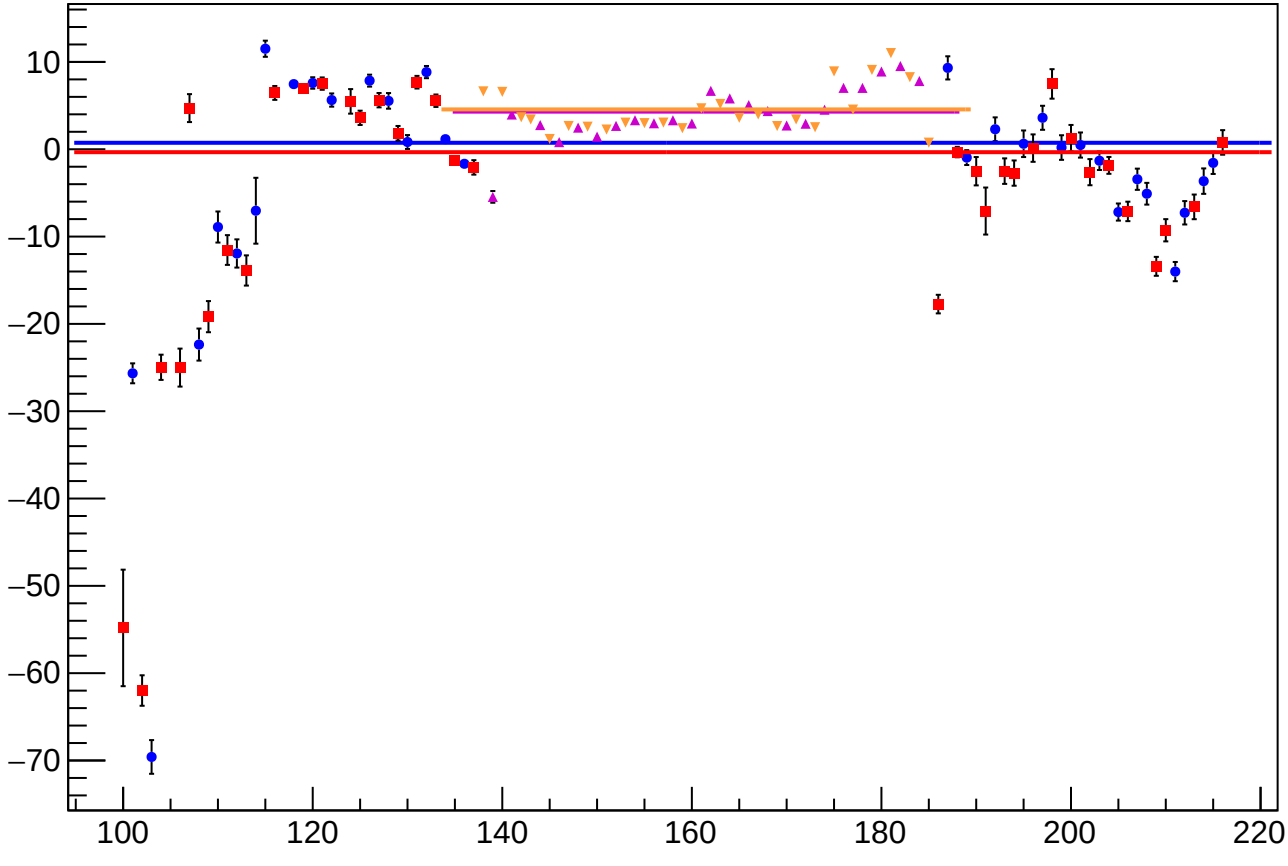
Right: -3.786+/-0.100 χ^2/NDF: 12856.8/65

In: -10.451+/-0.050 χ^2/NDF:13306.5/53

Out: -10.618+/-0.049 χ^2/NDF:26606.3/59

All: -10.536+/-0.035 χ^2/NDF: 39918.4/113

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: -0.336+/-0.171 χ^2/NDF: 3199.7/34

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

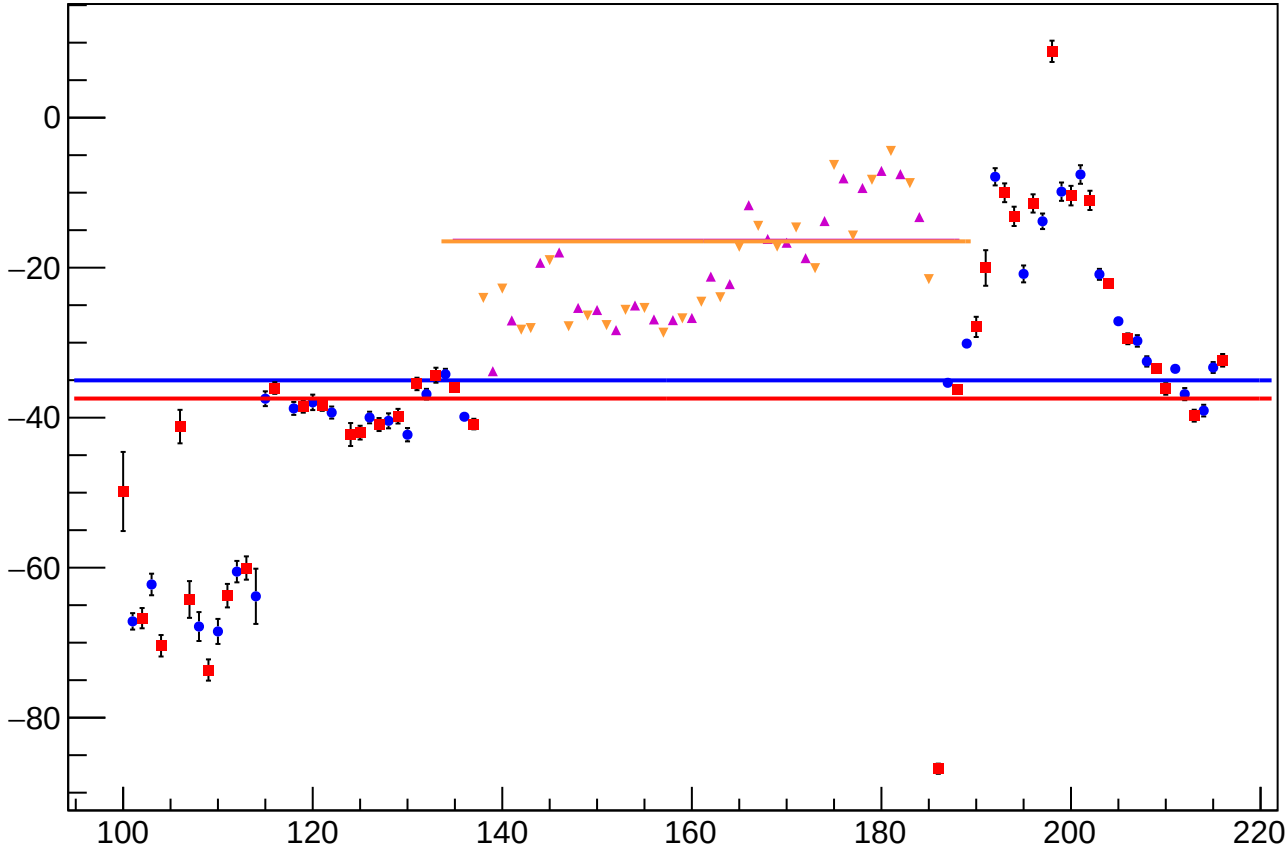
Right: 0.232+/-0.118 χ^2/NDF: 6478.3/65

In: 4.082+/-0.041 χ^2/NDF:7321.3/53

Out: 4.293+/-0.040 χ^2/NDF:8331.5/59

All: 4.189+/-0.029 χ^2/NDF: 15666.4/113

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: -37.450+/-0.147 χ^2/NDF: 11859.0/34

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

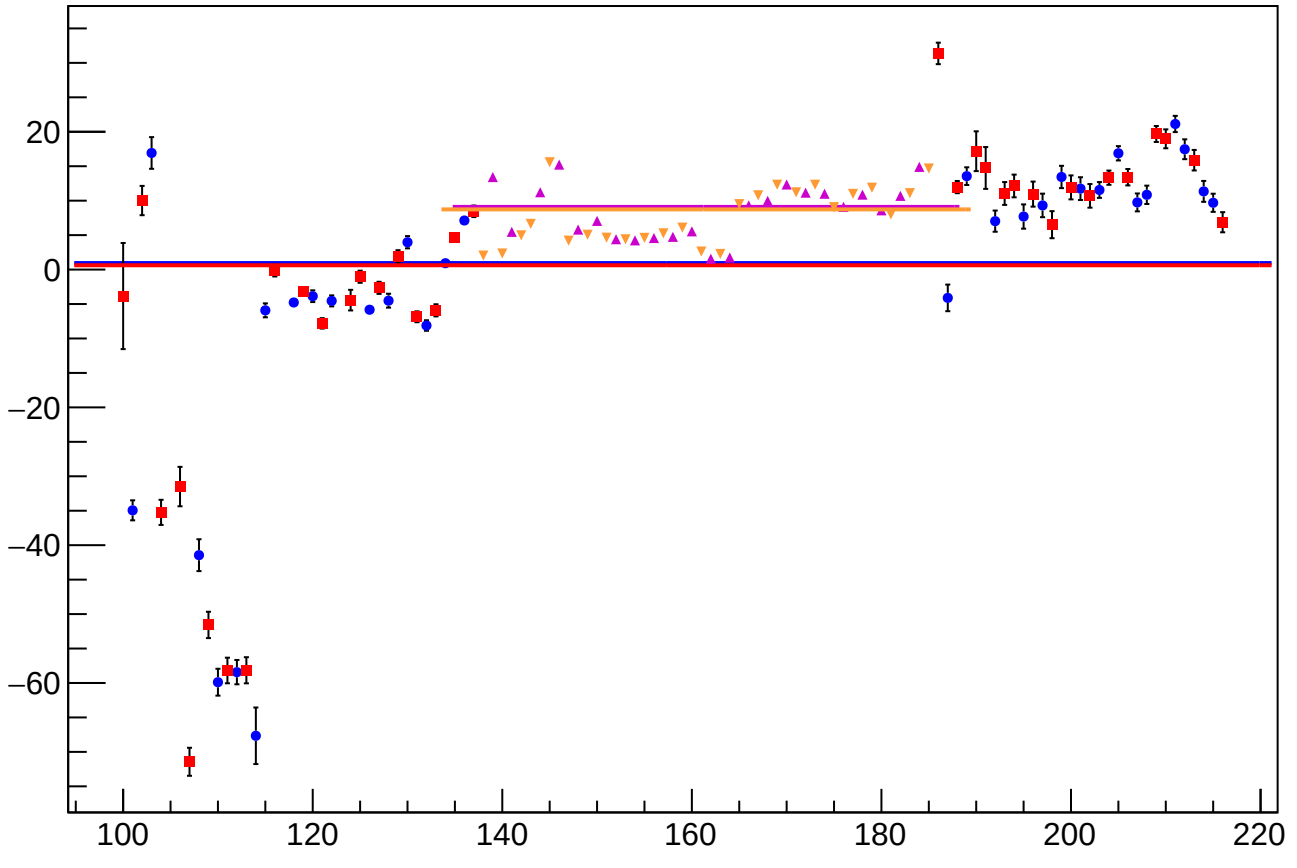
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.219+/-0.103 χ^2/NDF: 17424.9/65

In: -18.671+/-0.051 χ^2/NDF:37991.1/53

Out: -18.885+/-0.050 χ^2/NDF:51842.4/59

All: -18.780+/-0.035 χ^2/NDF: 89842.7/113



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: 0.627+/-0.195 χ^2/NDF: 6621.5/34

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

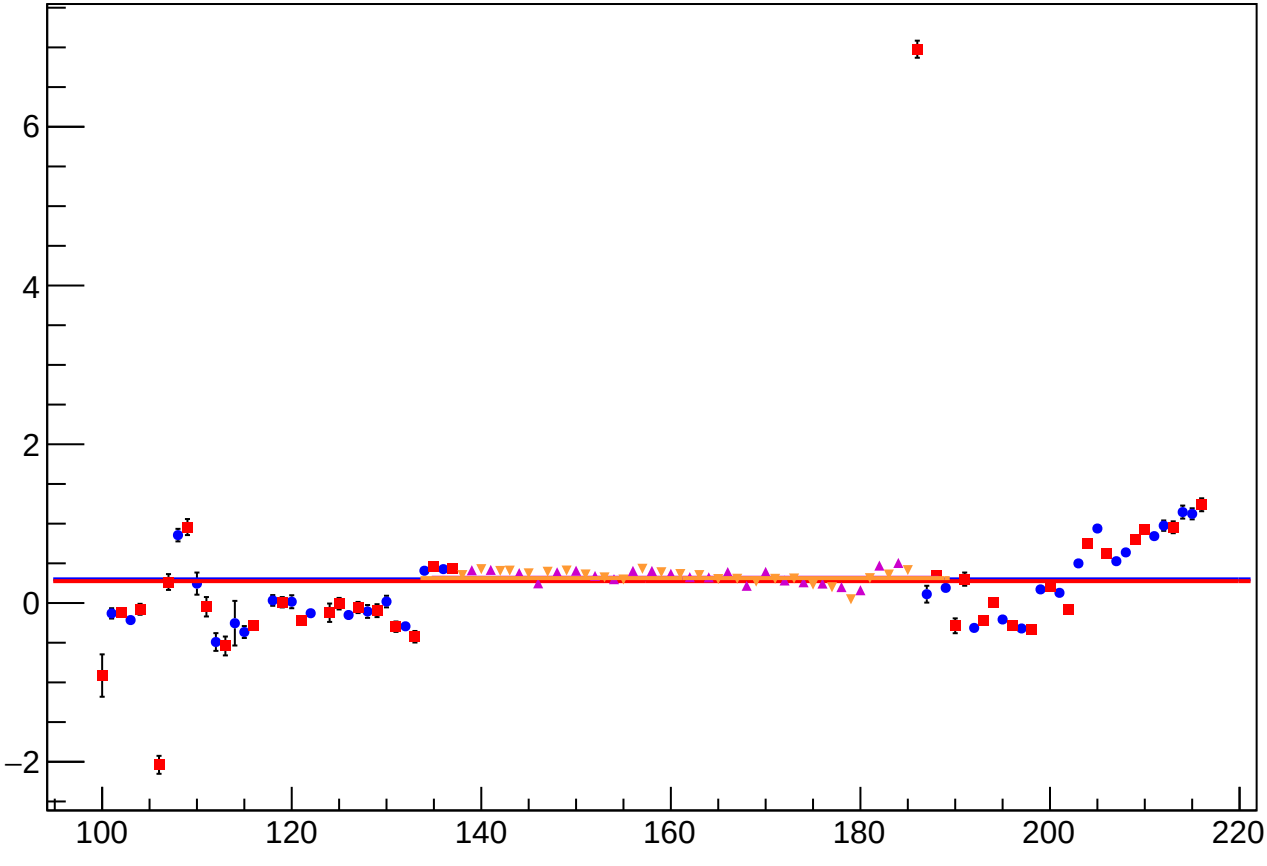
Right: 0.797+/-0.133 χ^2/NDF: 11888.5/65

In: 8.579+/-0.046 χ^2/NDF:12904.4/53

Out: 8.303+/-0.045 χ^2/NDF:15135.4/59

All: 8.439+/-0.032 χ^2/NDF: 28058.4/113

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: 0.276+/-0.010 χ^2/NDF: 5991.4/34

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

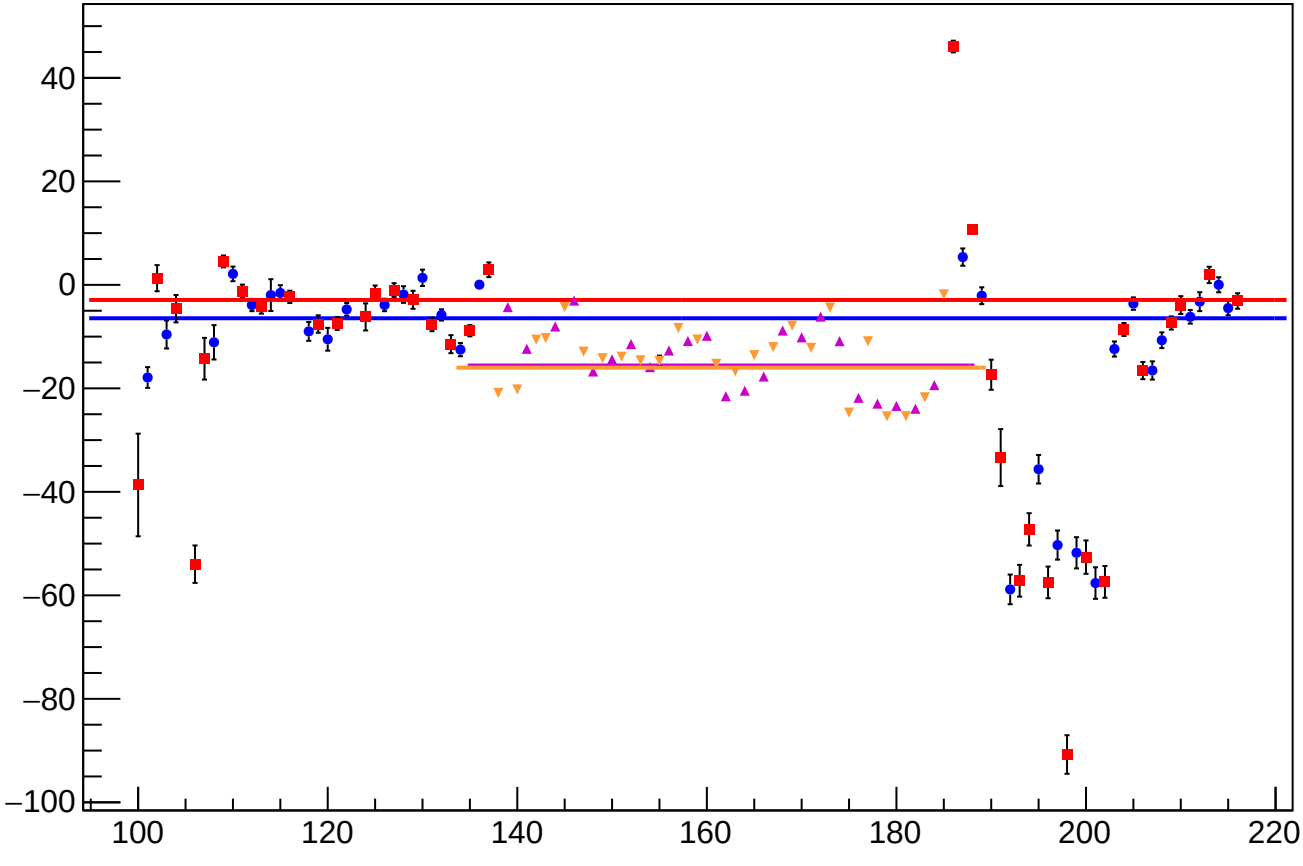
Right: 0.288+/-0.007 χ^2/NDF: 7706.9/65

In: 0.318+/-0.002 χ^2/NDF:3505.5/53

Out: 0.312+/-0.002 χ^2/NDF:7608.2/59

All: 0.315+/-0.001 χ^2/NDF: 11117.1/113

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -2.913+/-0.273 χ^2/NDF: 4588.6/34

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

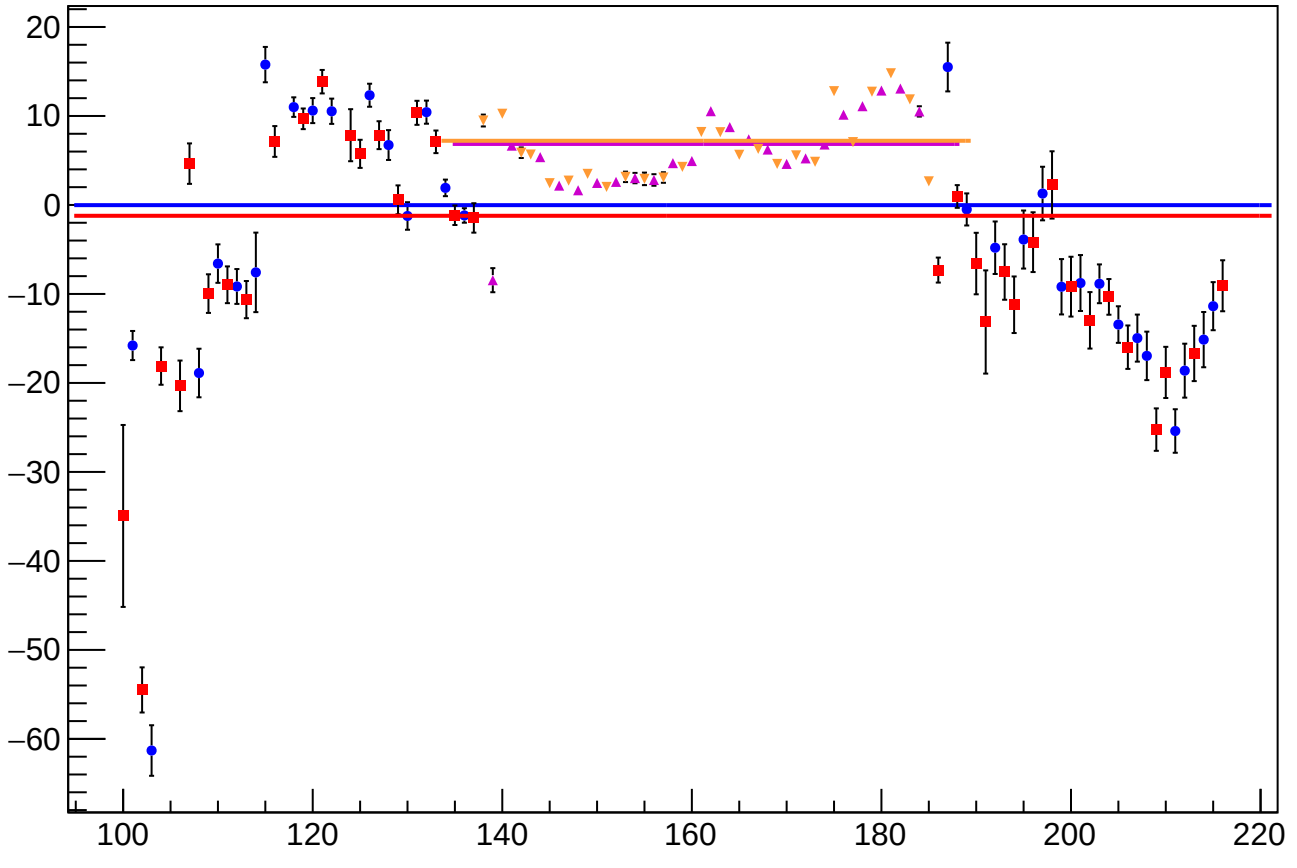
Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

Right: -4.687+/-0.193 χ^2/NDF: 6256.2/65

In: -14.460+/-0.096 χ^2/NDF:7328.1/53

Out: -14.471+/-0.093 χ^2/NDF:12577.9/59

All: -14.466+/-0.067 χ^2/NDF: 19906.0/113



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: -1.217+/-0.326 χ^2/NDF: 1333.3/34

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

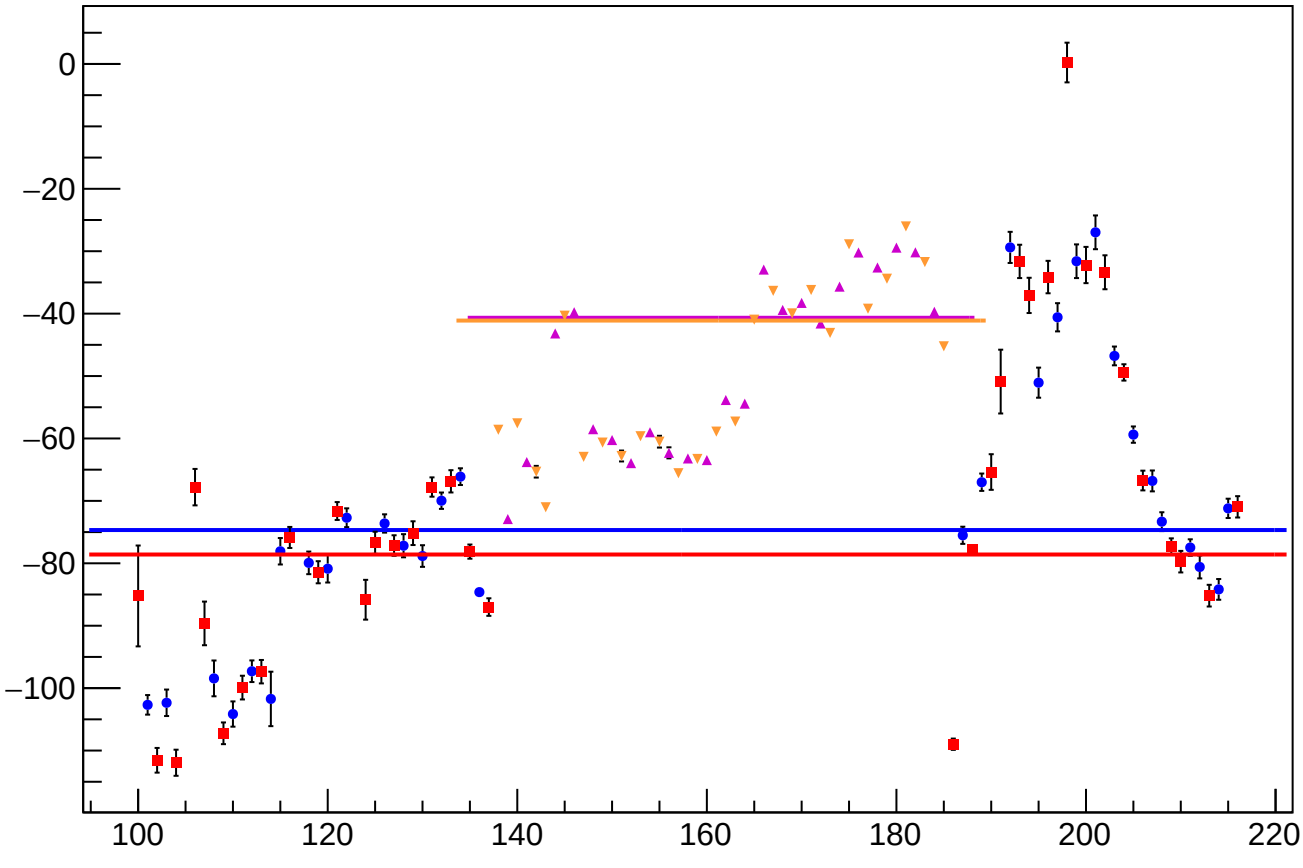
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: -0.600+/-0.226 χ^2/NDF: 2804.8/65

In: 6.429+/-0.079 χ^2/NDF:4067.3/53

Out: 6.731+/-0.078 χ^2/NDF:4421.0/59

All: 6.582+/-0.055 χ^2/NDF: 8495.8/113



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: -78.592+/-0.284 χ^2/NDF: 4954.6/34

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

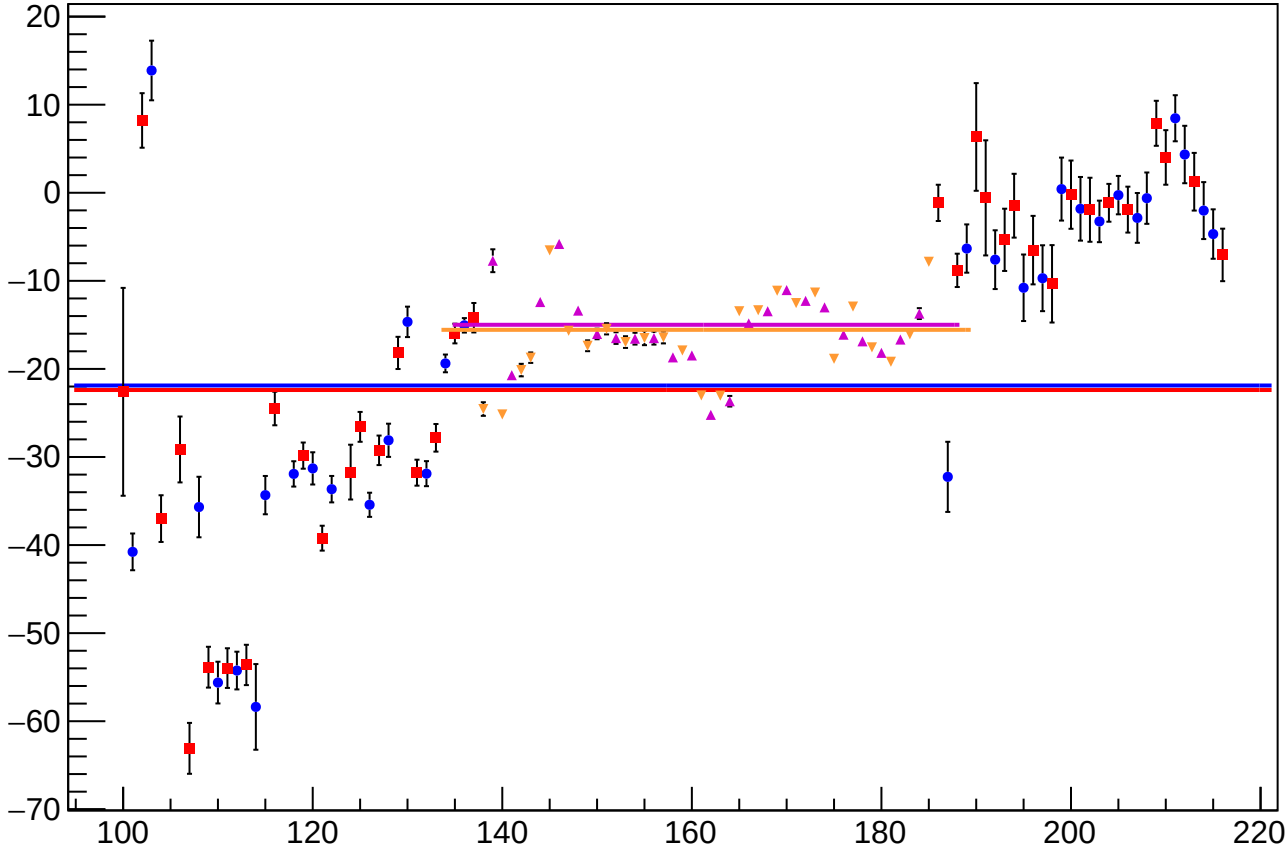
Right: -76.660+/-0.202 χ^2/NDF: 8113.2/65

In: -44.480+/-0.096 χ^2/NDF:29022.9/53

Out: -45.257+/-0.094 χ^2/NDF:36496.5/59

All: -44.877+/-0.067 χ^2/NDF: 65552.6/113

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: -22.395+/-0.373 χ^2/NDF: 1999.2/34

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

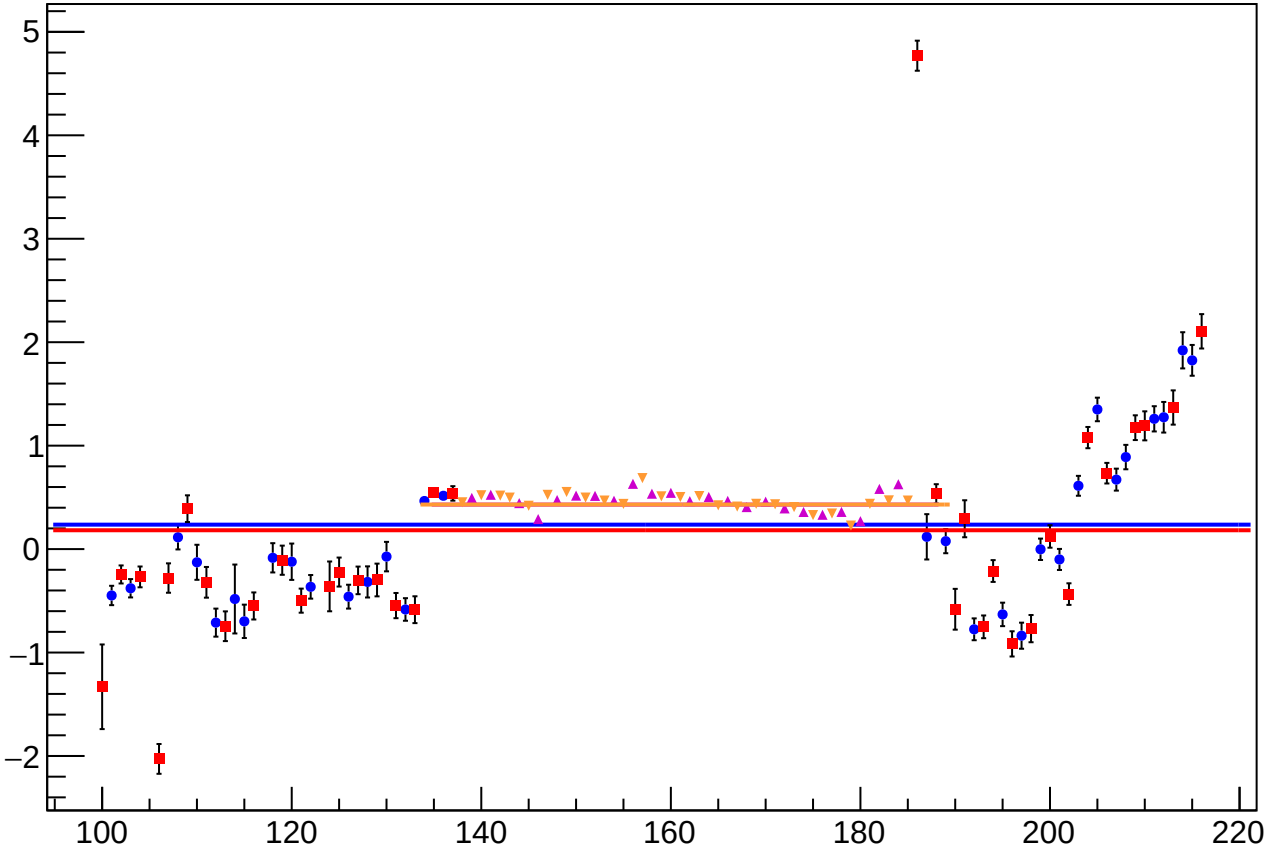
Right: -22.125+/-0.256 χ^2/NDF: 3798.0/65

In: -15.415+/-0.087 χ^2/NDF:4308.4/53

Out: -15.929+/-0.086 χ^2/NDF:4866.4/59

All: -15.675+/-0.061 χ^2/NDF: 9192.3/113

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: 0.182+/-0.019 χ^2/NDF: 2325.4/34

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

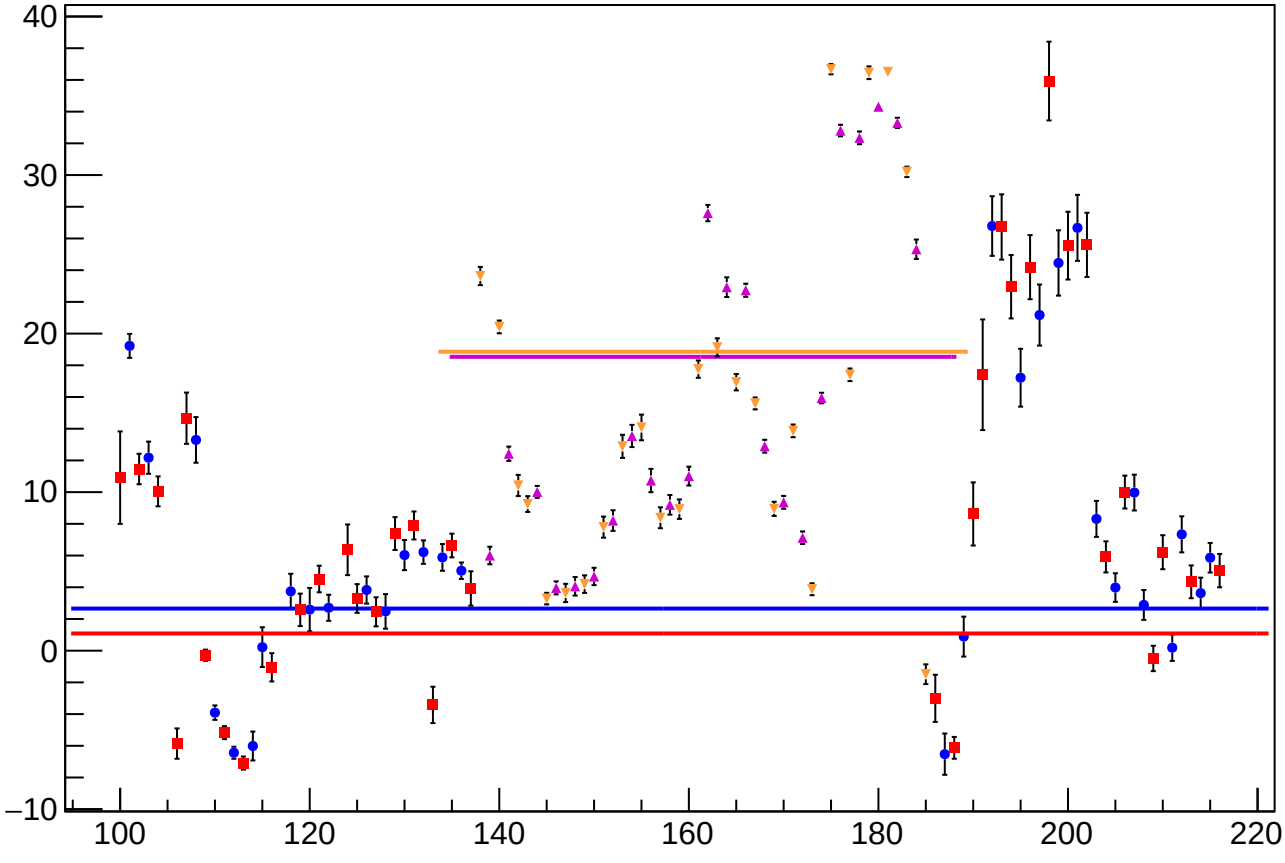
Right: 0.211+/-0.013 χ^2/NDF: 3489.6/65

In: 0.420+/-0.004 χ^2/NDF:1858.8/53

Out: 0.420+/-0.004 χ^2/NDF:2907.3/59

All: 0.420+/-0.003 χ^2/NDF: 4766.1/113

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: 1.086+/-0.147 χ^2/NDF: 2379.9/34

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

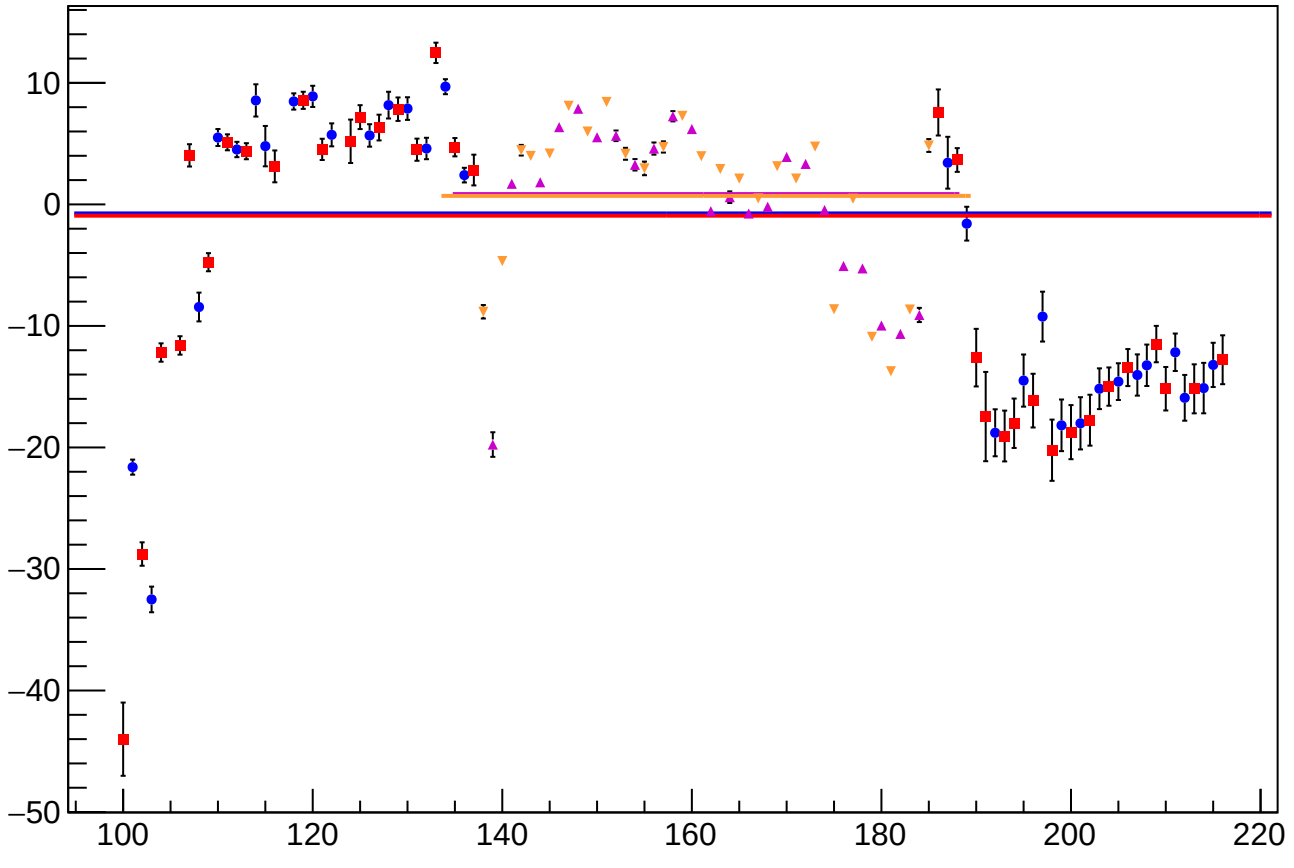
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.821+/-0.107 χ^2/NDF: 4726.5/65

In: 14.385+/-0.080 χ^2/NDF:23940.1/53

Out: 13.988+/-0.077 χ^2/NDF:31343.0/59

All: 14.179+/-0.056 χ^2/NDF: 55295.9/113



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: -0.927+/-0.184 χ^2/NDF: 3270.6/34

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

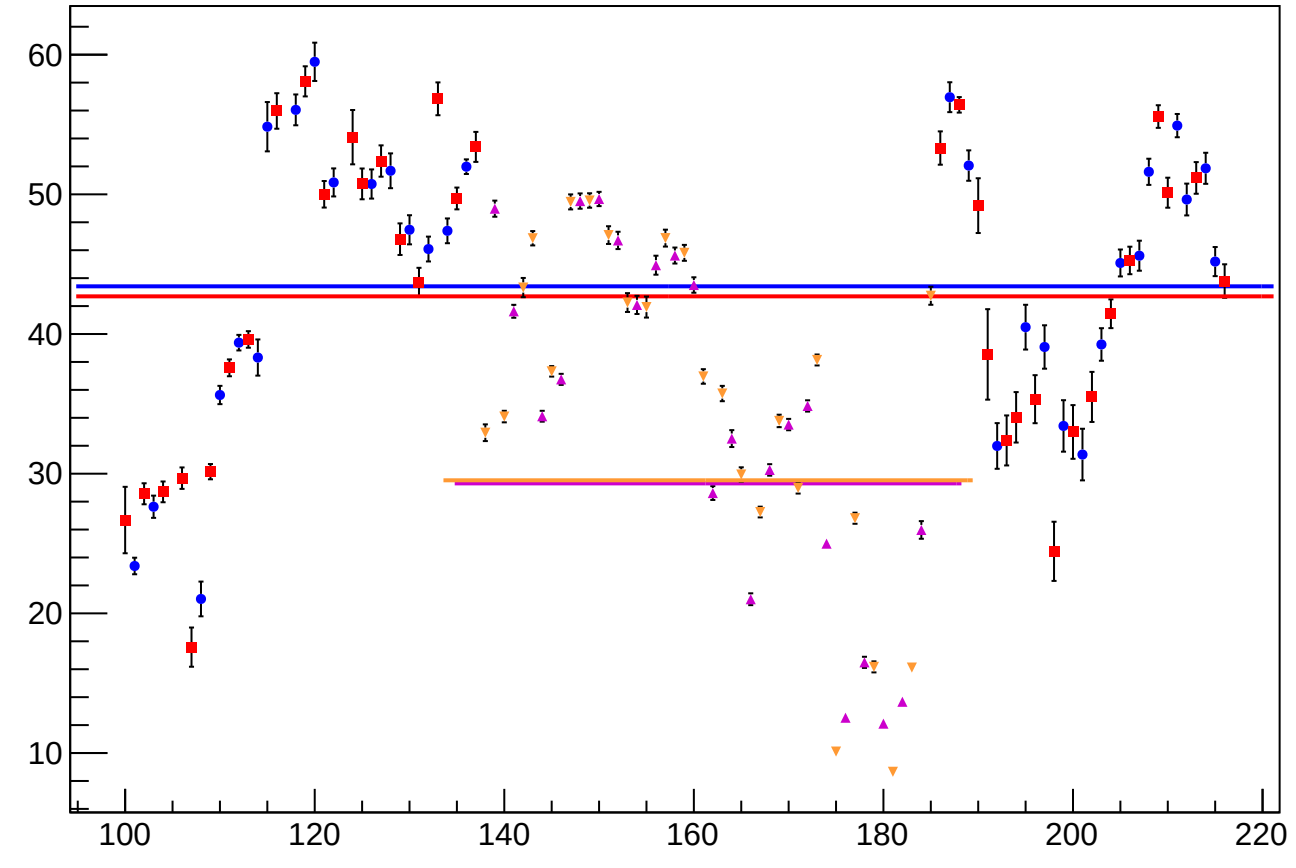
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: -0.836+/-0.131 χ^2/NDF: 7237.4/65

In: 0.638+/-0.067 χ^2/NDF:10074.9/53

Out: 0.494+/-0.066 χ^2/NDF:11576.5/59

All: 0.564+/-0.047 χ^2/NDF: 21653.7/113



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: 42.697+/-0.166 χ^2/NDF: 4116.7/34

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

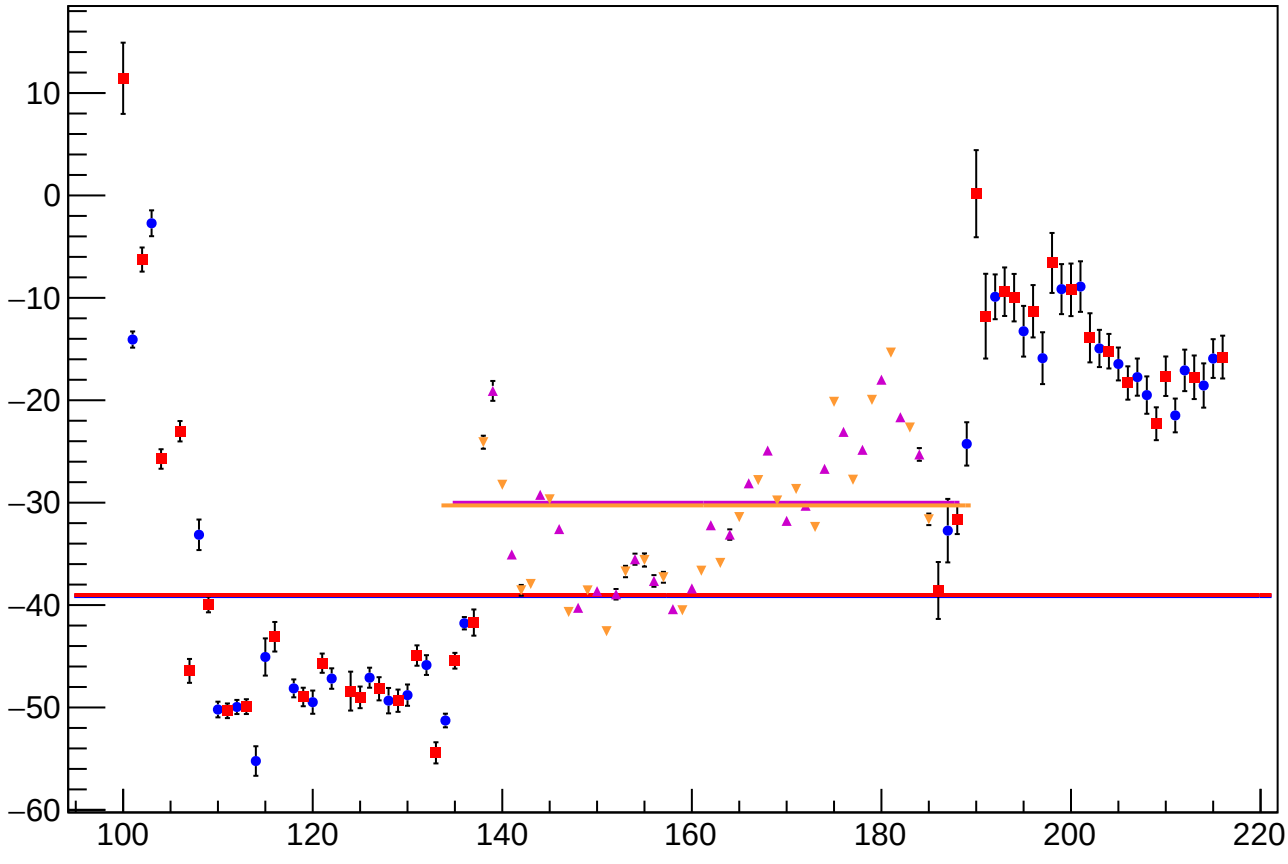
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 43.043+/-0.120 χ^2/NDF: 7695.3/65

In: 32.501+/-0.082 χ^2/NDF:26641.3/53

Out: 32.542+/-0.080 χ^2/NDF:30041.1/59

All: 32.522+/-0.057 χ^2/NDF: 56682.5/113



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: -39.017+/-0.210 χ^2/NDF: 4504.7/34

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

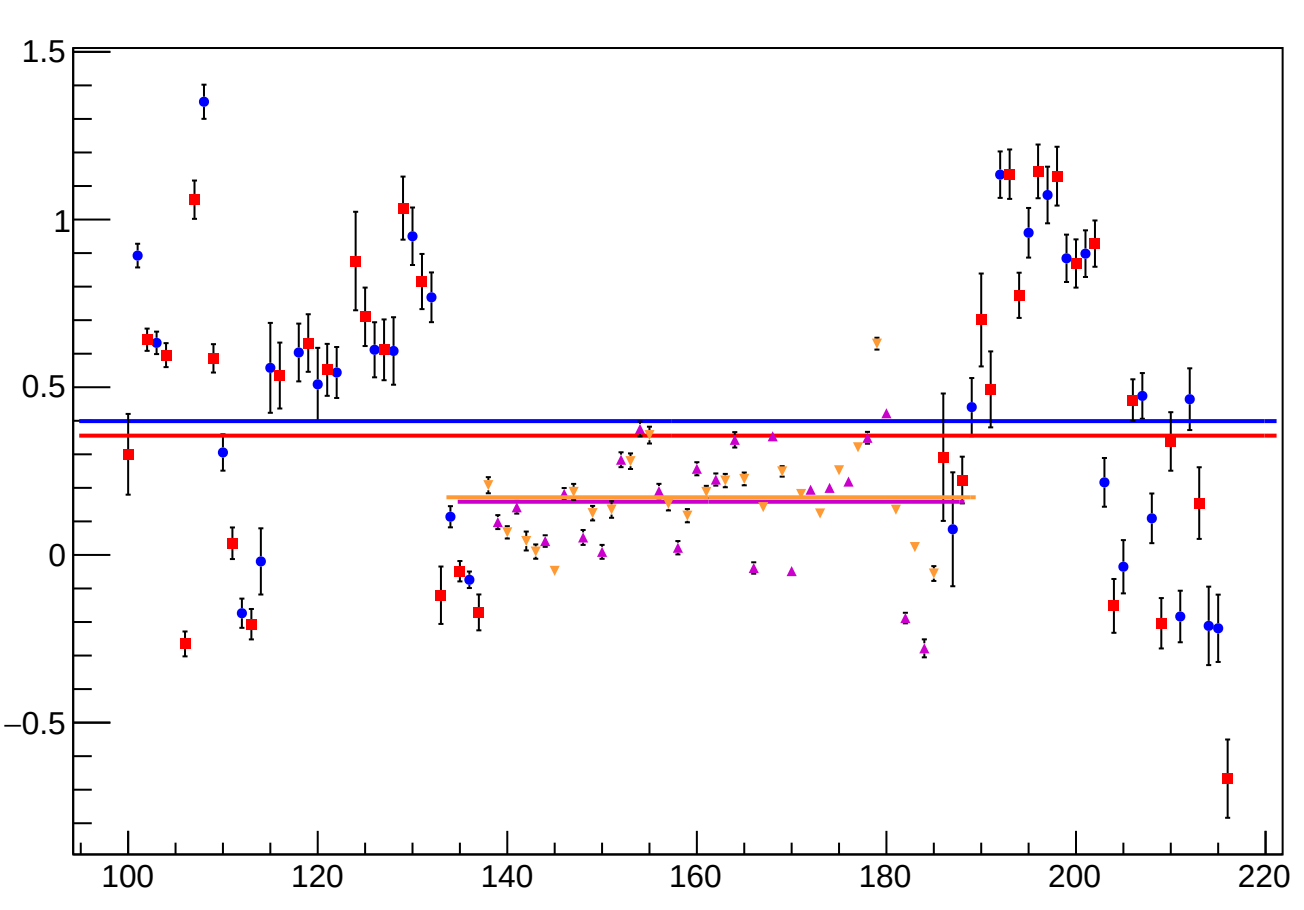
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -39.070+/-0.149 χ^2/NDF: 9649.4/65

In: -31.196+/-0.076 χ^2/NDF:12859.9/53

Out: -31.355+/-0.074 χ^2/NDF:14518.8/59

All: -31.277+/-0.053 χ^2/NDF: 27381.0/113



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: 0.356+/-0.010 χ^2/NDF: 1861.8/34

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

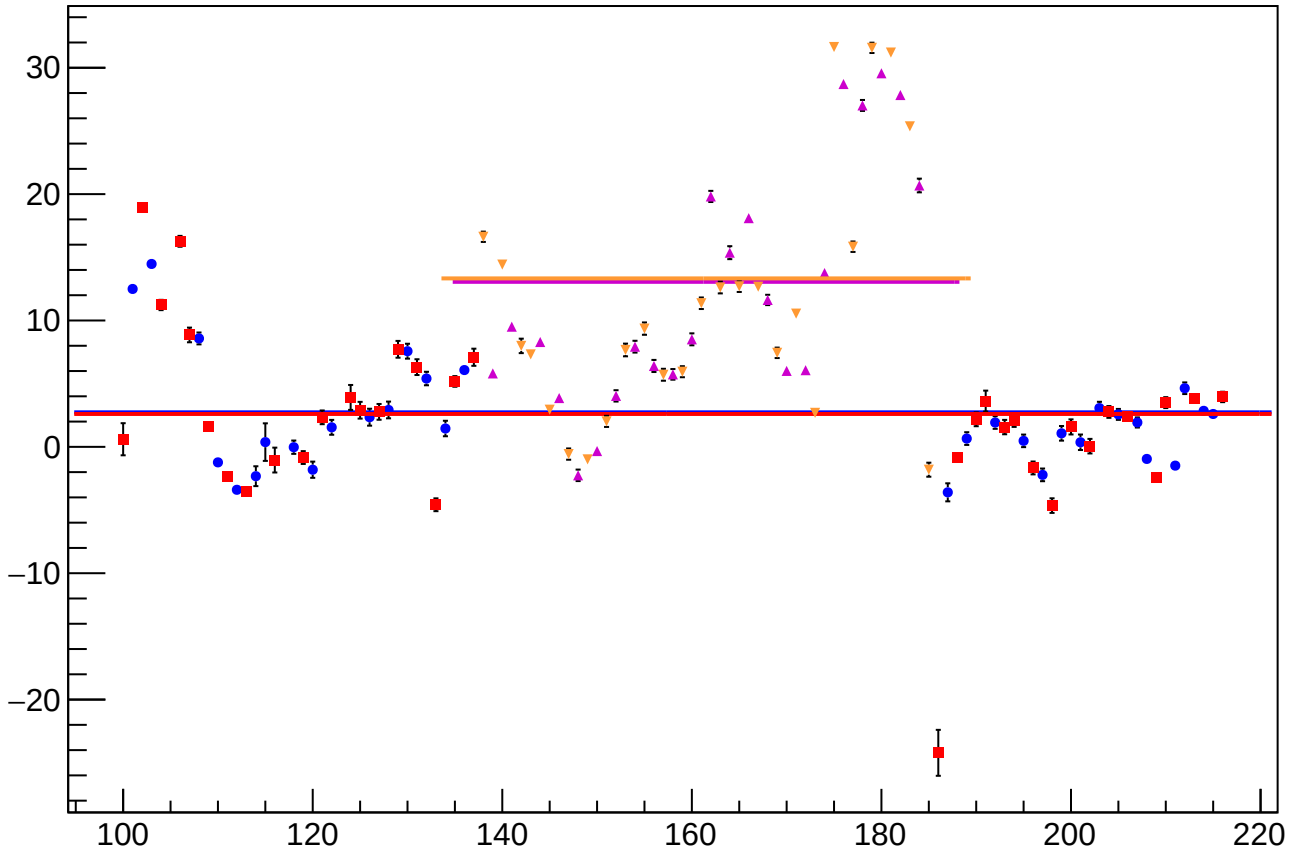
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.377+/-0.007 χ^2/NDF: 3710.1/65

In: 0.184+/-0.003 χ^2/NDF:4493.7/53

Out: 0.191+/-0.003 χ^2/NDF:3640.6/59

All: 0.188+/-0.002 χ^2/NDF: 8136.3/113



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: 2.604+/-0.078 χ^2/NDF: 5409.6/34

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

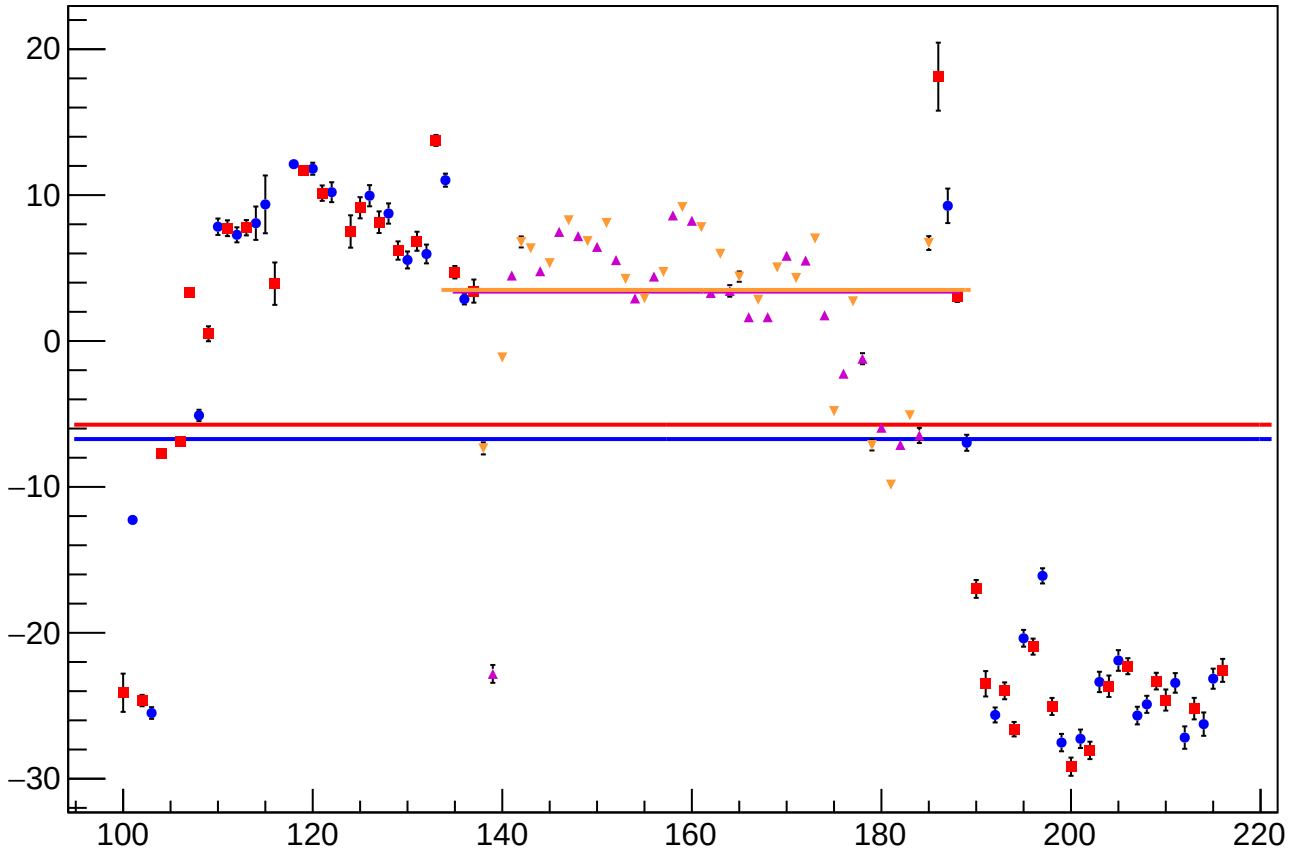
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.664+/-0.057 χ^2/NDF: 8762.9/65

In: 8.070+/-0.057 χ^2/NDF:27106.3/53

Out: 8.049+/-0.055 χ^2/NDF:34456.2/59

All: 8.059+/-0.039 χ^2/NDF: 61562.6/113



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: -5.737+/-0.090 χ^2/NDF: 26753.7/34

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

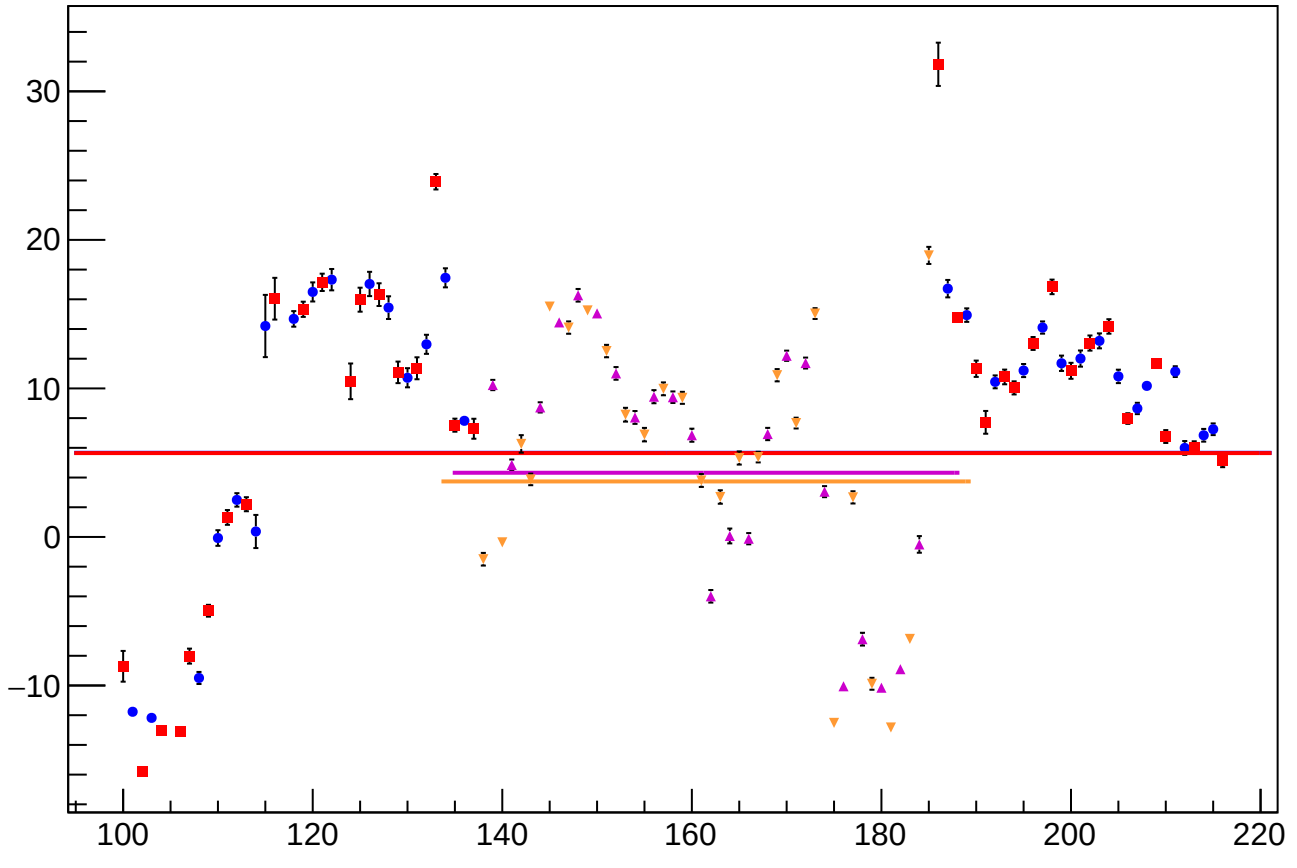
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -6.202+/-0.065 χ^2/NDF: 51550.4/65

In: 0.421+/-0.051 χ^2/NDF:39497.4/53

Out: 0.739+/-0.049 χ^2/NDF:42111.3/59

All: 0.587+/-0.035 χ^2/NDF: 81628.7/113



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: 5.647+/-0.077 χ^2/NDF: 20397.4/34

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

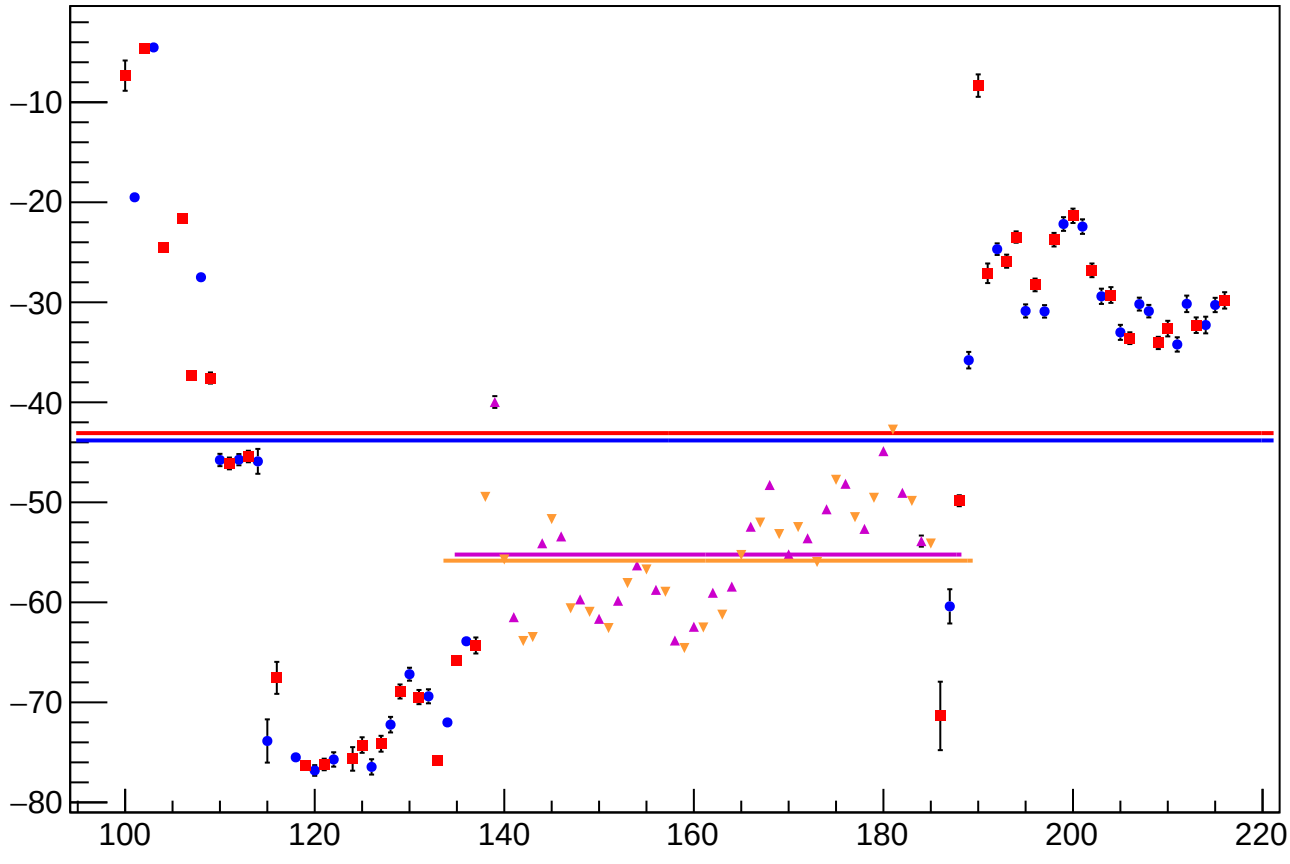
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.656+/-0.056 χ^2/NDF: 34544.5/65

In: 4.969+/-0.057 χ^2/NDF:26771.0/53

Out: 4.682+/-0.054 χ^2/NDF:36292.9/59

All: 4.820+/-0.039 χ^2/NDF: 63077.3/113



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: -43.079+/-0.105 χ^2/NDF: 44266.3/34

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

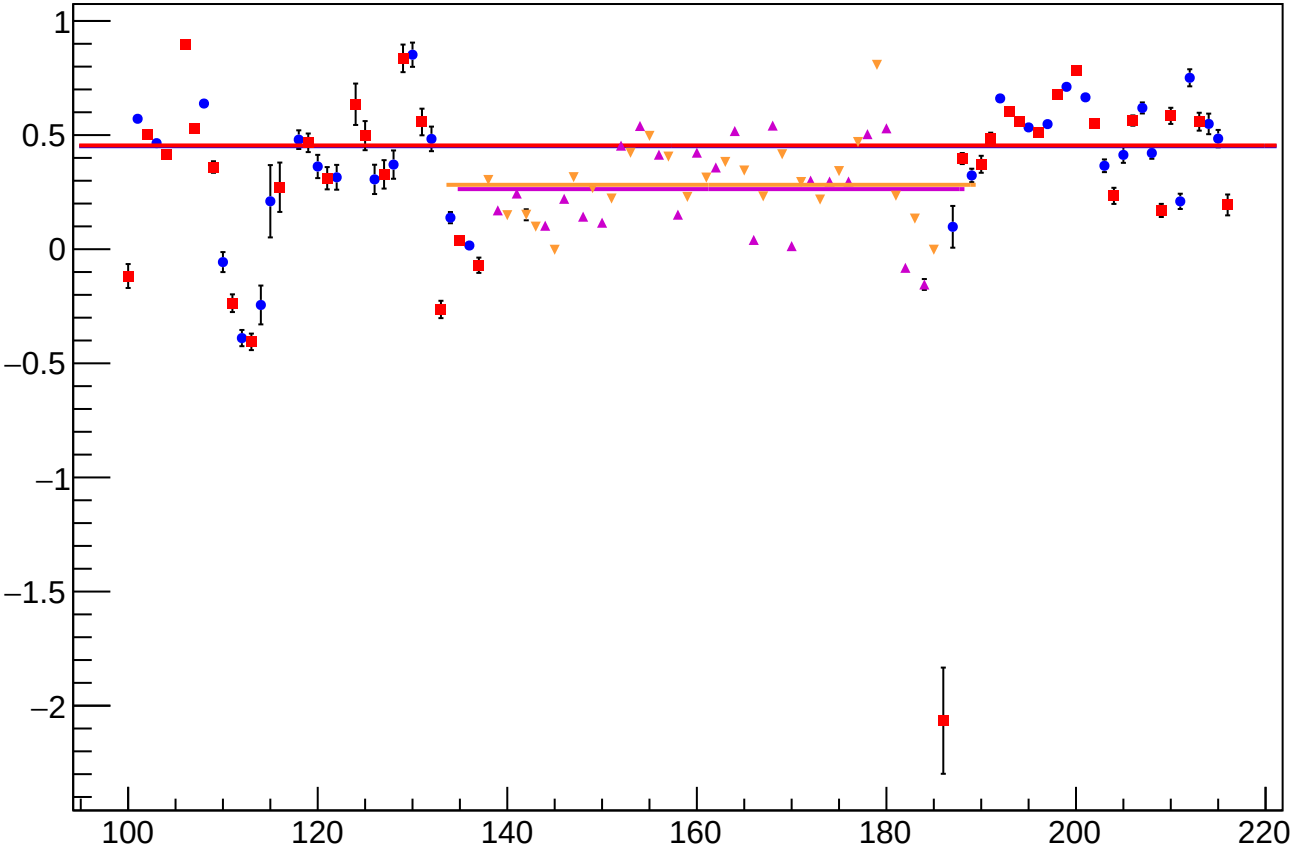
Right: -43.431+/-0.076 χ^2/NDF: 87434.2/65

In: -52.006+/-0.058 χ^2/NDF:57260.6/53

Out: -52.216+/-0.056 χ^2/NDF:62335.9/59

All: -52.115+/-0.040 χ^2/NDF: 119603.2/113

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: 0.455+/-0.004 χ^2/NDF: 3802.5/34

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

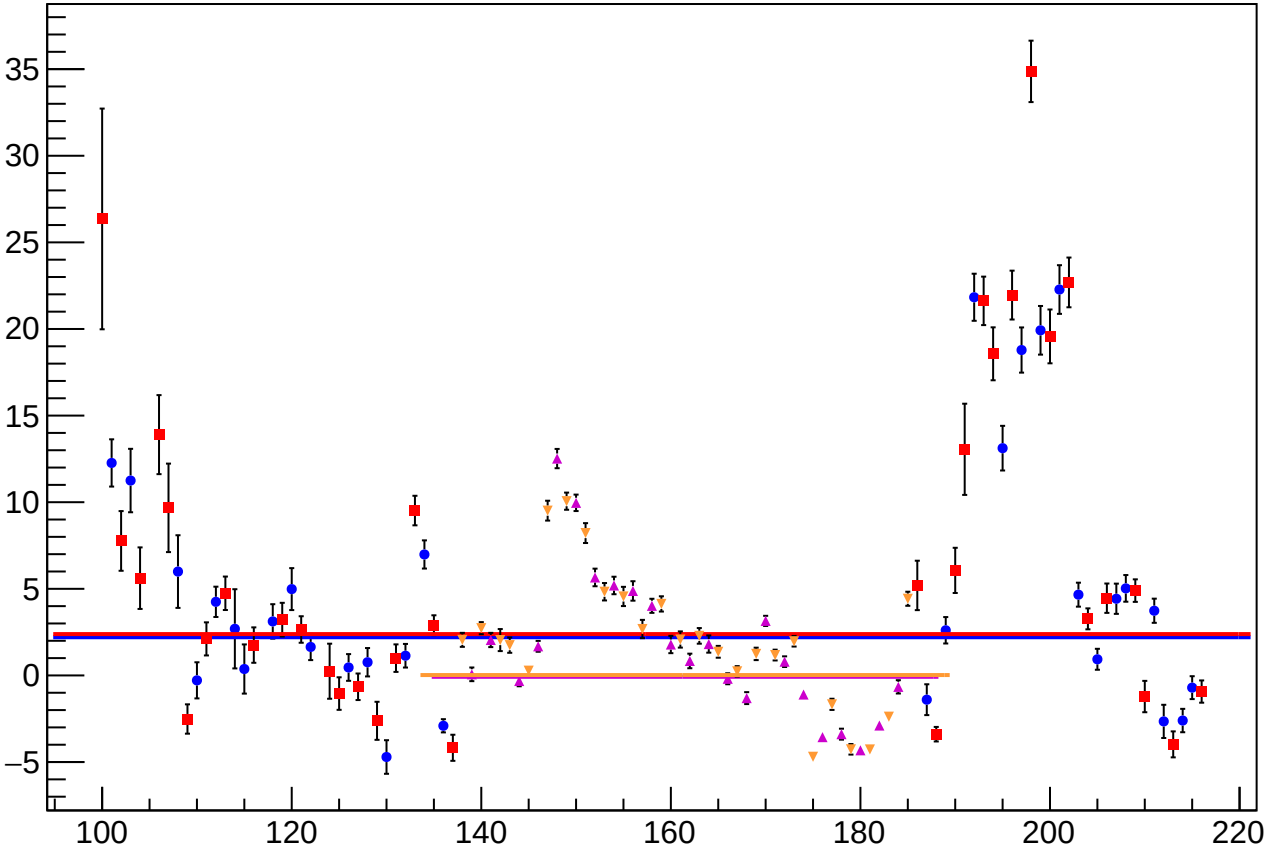
Right: 0.453+/-0.003 χ^2/NDF: 6532.6/65

In: 0.320+/-0.003 χ^2/NDF:7728.6/53

Out: 0.337+/-0.002 χ^2/NDF:7581.0/59

All: 0.329+/-0.002 χ^2/NDF: 15332.4/113

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: 2.387+/-0.155 χ^2/NDF: 1810.4/34

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

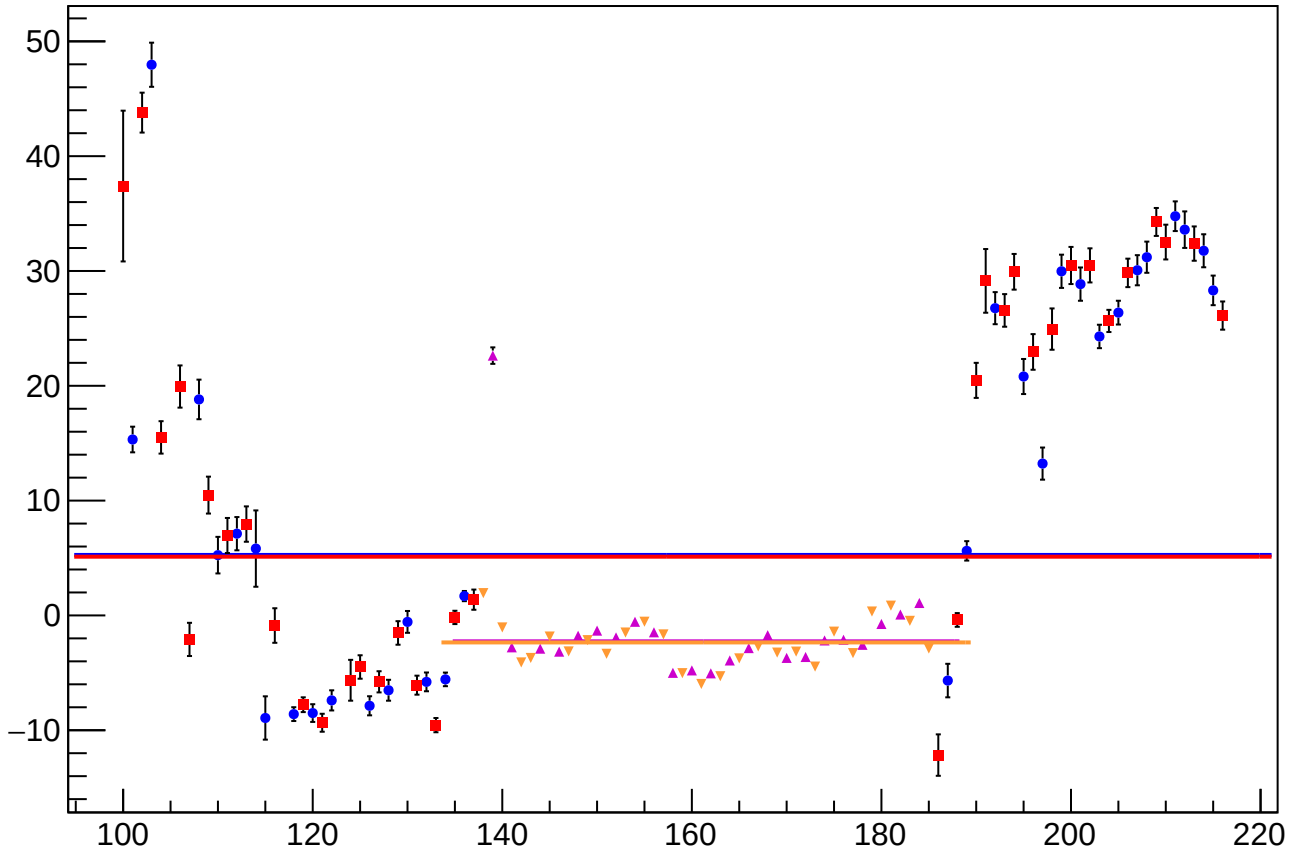
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.294+/-0.108 χ^2/NDF: 3147.4/65

In: 0.327+/-0.064 χ^2/NDF:3986.7/53

Out: 0.409+/-0.063 χ^2/NDF:4764.4/59

All: 0.369+/-0.045 χ^2/NDF: 8752.0/113



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: 5.116+/-0.185 χ^2/NDF: 6591.7/34

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

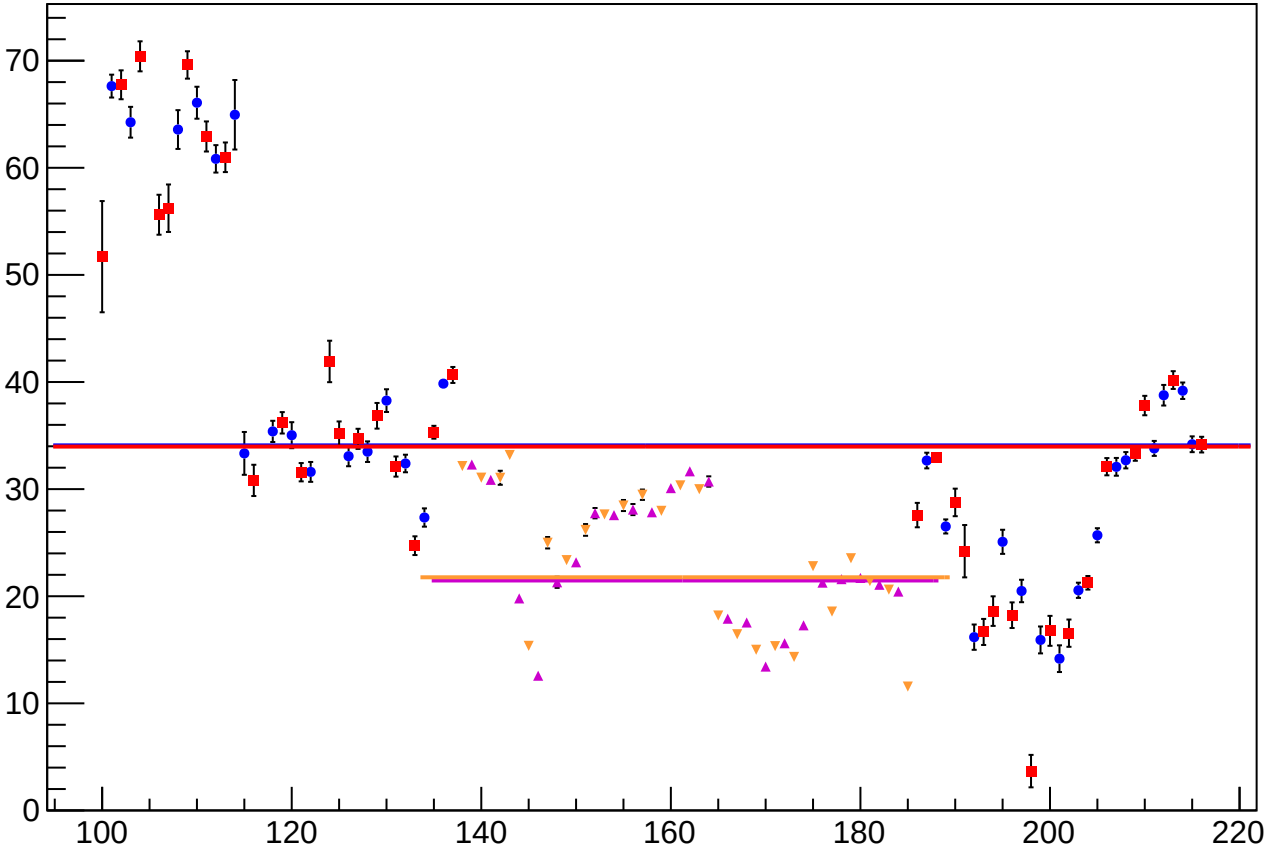
Right: 5.194+/-0.129 χ^2/NDF: 13349.3/65

In: -1.583+/-0.054 χ^2/NDF:10229.4/53

Out: -1.745+/-0.053 χ^2/NDF:9212.1/59

All: -1.665+/-0.038 χ^2/NDF: 19446.0/113

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: 33.972+/-0.157 χ^2/NDF: 5168.2/34

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

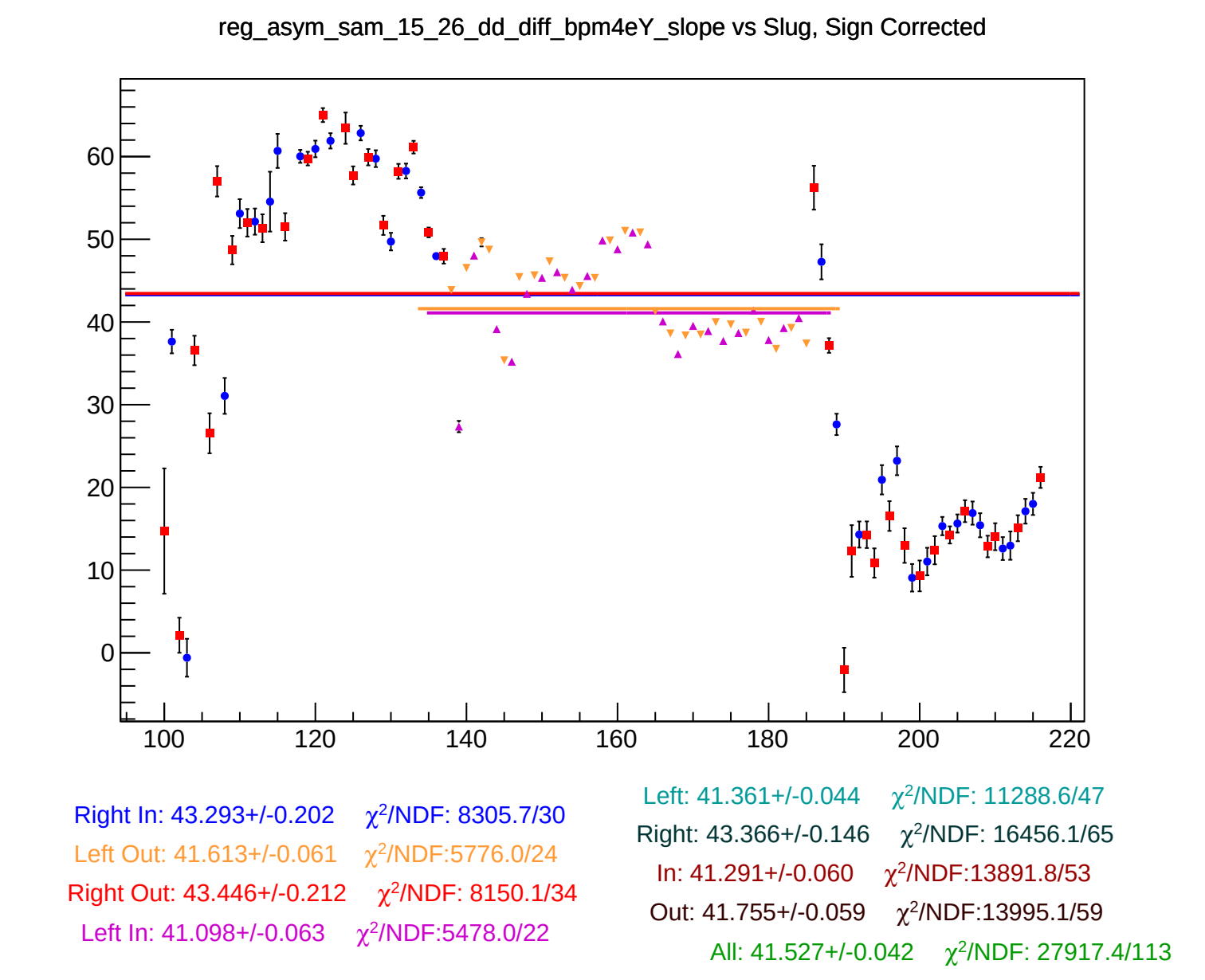
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 34.028+/-0.111 χ^2/NDF: 9828.4/65

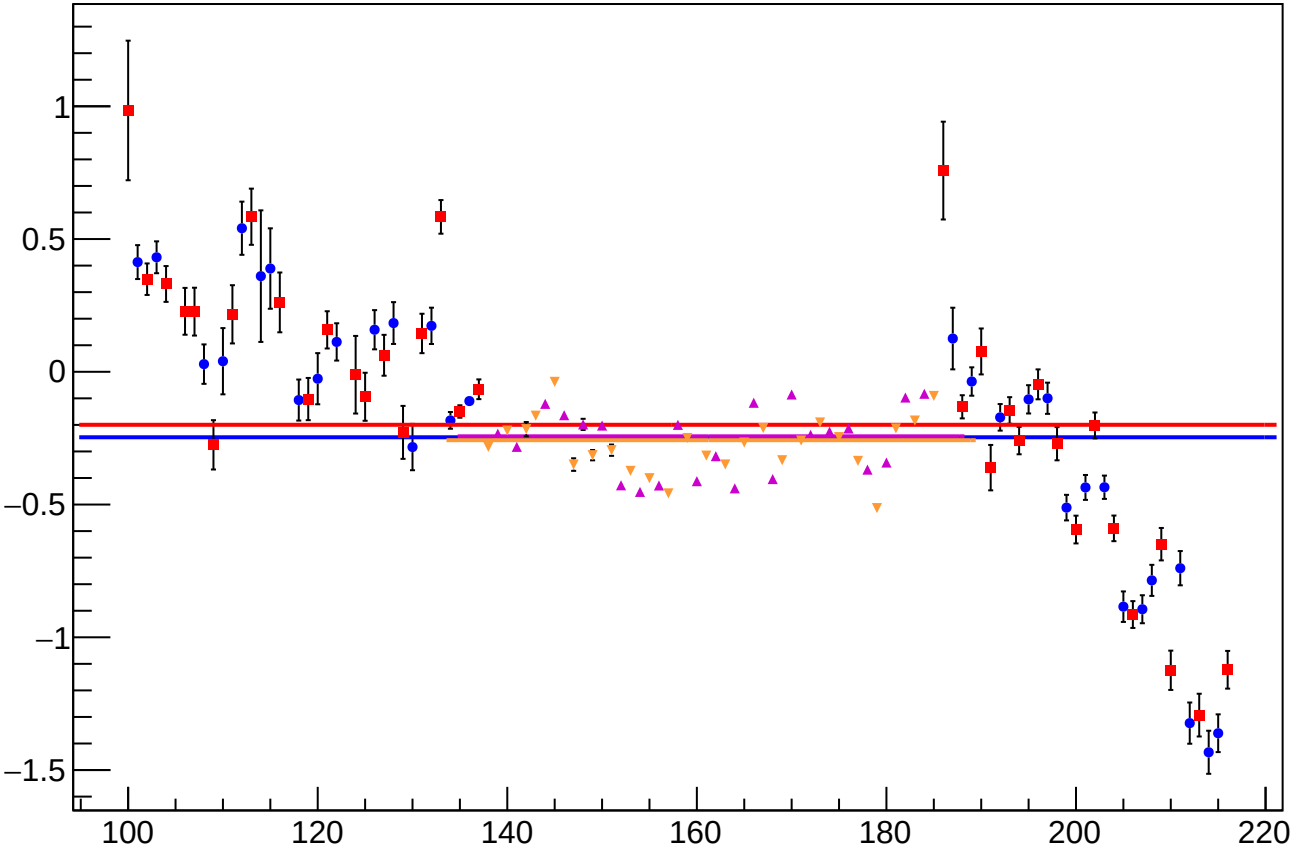
In: 23.597+/-0.064 χ^2/NDF:15823.7/53

Out: 23.736+/-0.063 χ^2/NDF:17047.1/59

All: 23.668+/-0.045 χ^2/NDF: 32873.2/113


reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
100
120
140
160
180
200
220
Right In: 43.293+/-0.202 χ²/NDF: 8305.7/30
Left Out: 41.613+/-0.061 χ²/NDF:5776.0/24
Right Out: 43.446+/-0.212 χ²/NDF: 8150.1/34
Left In: 41.098+/-0.063 χ²/NDF:5478.0/22
Left: 41.361+/-0.044 χ²/NDF: 11288.6/47
Right: 43.366+/-0.146 χ²/NDF: 16456.1/65
In: 41.291+/-0.060 χ²/NDF:13891.8/53
Out: 41.755+/-0.059 χ²/NDF:13995.1/59
All: 41.527+/-0.042 χ²/NDF: 27917.4/113

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.200+/-0.010 χ^2/NDF: 1474.2/34

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

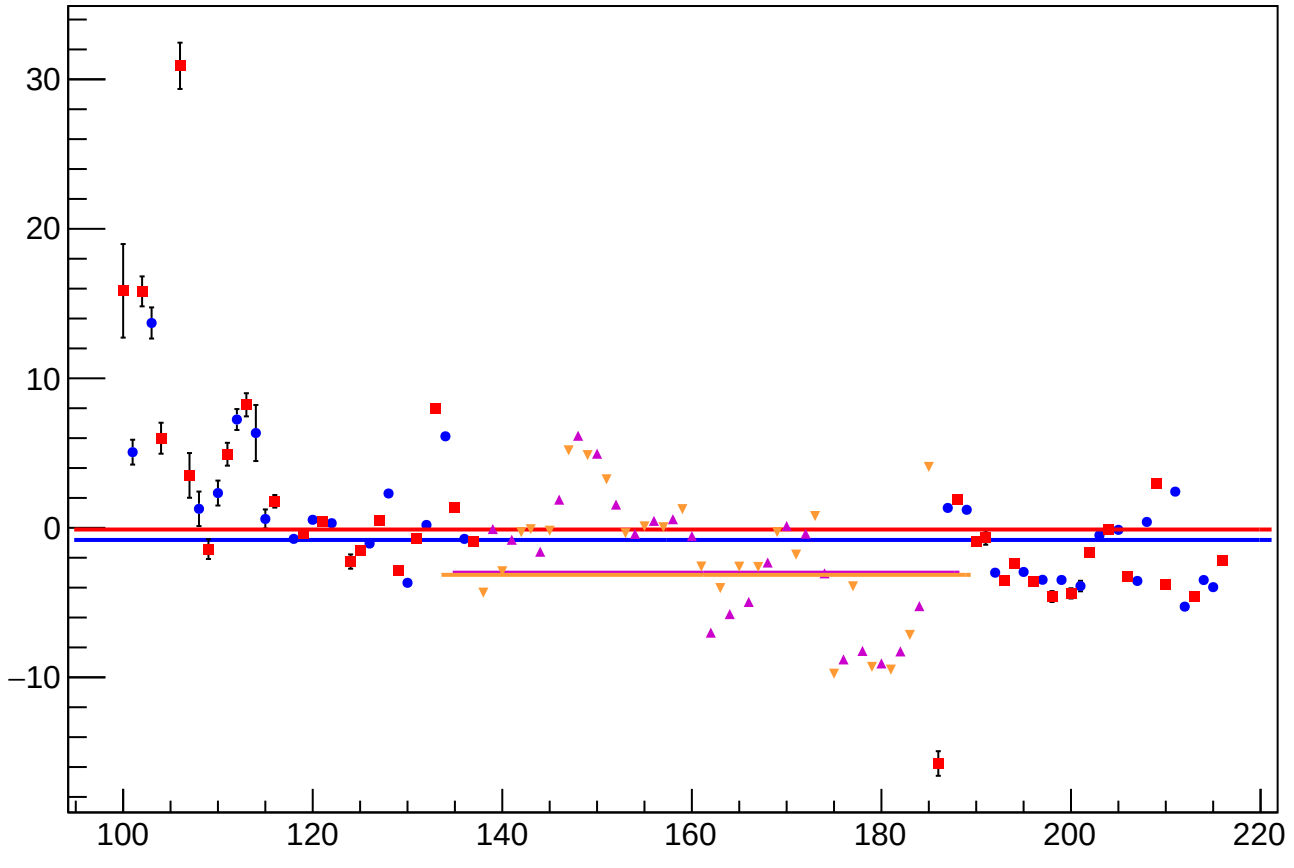
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.224+/-0.007 χ^2/NDF: 3192.1/65

In: -0.243+/-0.003 χ^2/NDF:3518.6/53

Out: -0.254+/-0.003 χ^2/NDF:3019.2/59

All: -0.249+/-0.002 χ^2/NDF: 6545.6/113



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: -0.112+/-0.046 χ^2/NDF: 5660.5/34

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

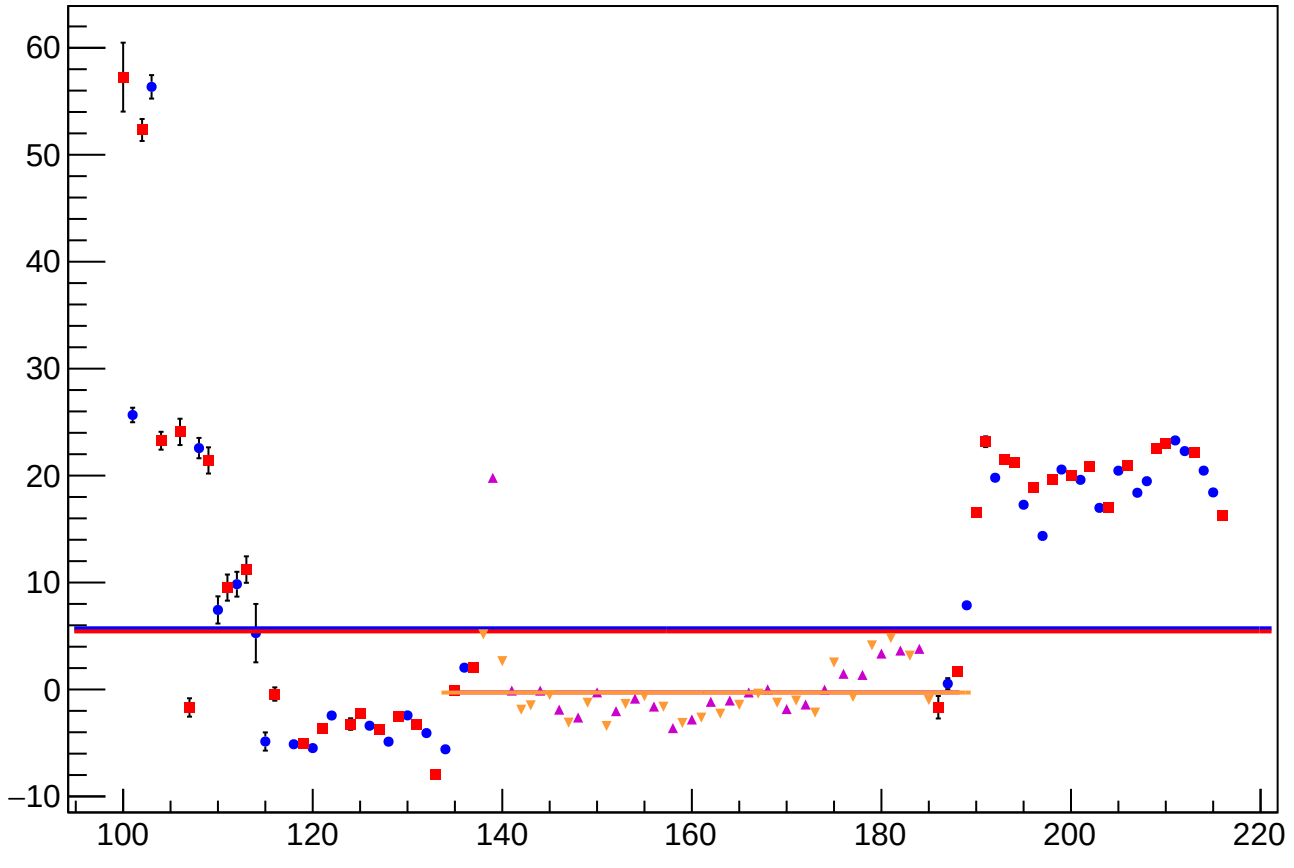
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: -0.459+/-0.032 χ^2/NDF: 8975.8/65

In: -2.392+/-0.024 χ^2/NDF:27265.5/53

Out: -2.325+/-0.024 χ^2/NDF:34250.2/59

All: -2.358+/-0.017 χ^2/NDF: 61519.6/113



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: 5.431+/-0.053 χ^2/NDF: 52222.5/34

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

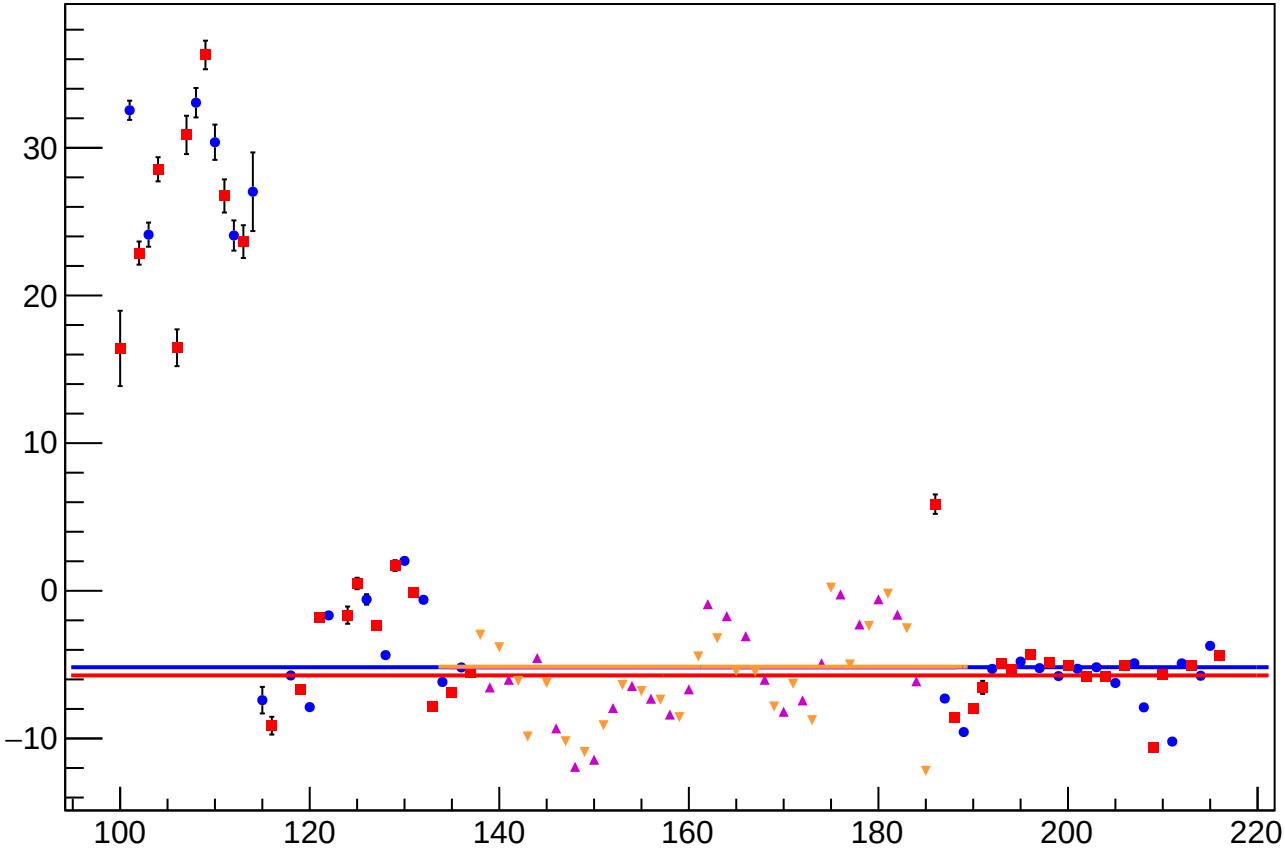
Right: 5.572+/-0.038 χ^2/NDF: 96680.1/65

In: 0.601+/-0.021 χ^2/NDF:68176.9/53

Out: 0.552+/-0.020 χ^2/NDF:74524.4/59

All: 0.576+/-0.014 χ^2/NDF: 142704.2/113

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -5.175+/-0.046 χ^2/NDF: 10760.5/30

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.730+/-0.045 χ^2/NDF: 11541.2/34

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

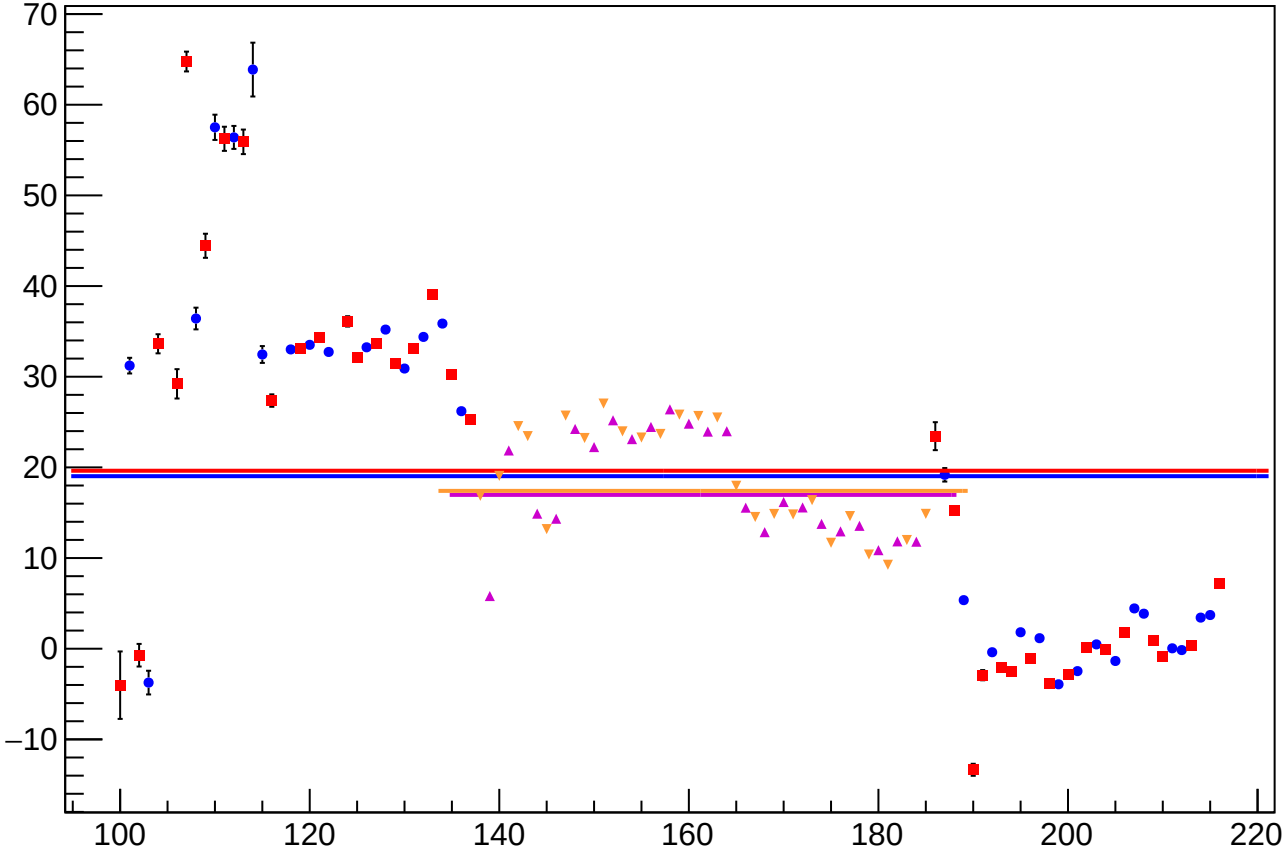
Right: -5.464+/-0.032 χ^2/NDF: 22376.1/65

In: -5.177+/-0.024 χ^2/NDF:24724.3/53

Out: -5.304+/-0.024 χ^2/NDF:26294.3/59

All: -5.242+/-0.017 χ^2/NDF: 51032.7/113

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: 19.630+/-0.061 χ^2/NDF: 77605.1/34

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

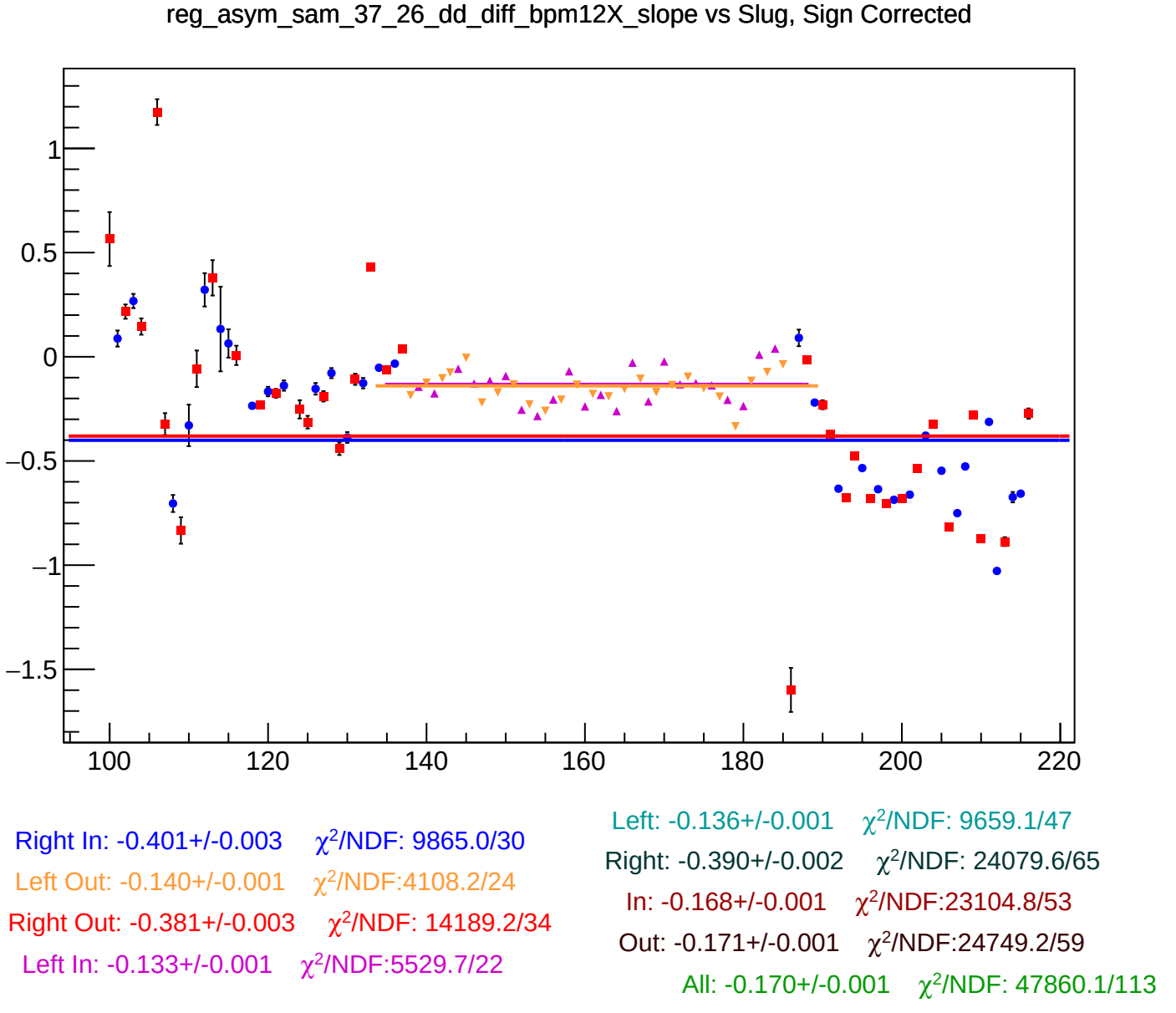
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 19.333+/-0.043 χ^2/NDF: 142537.7/65

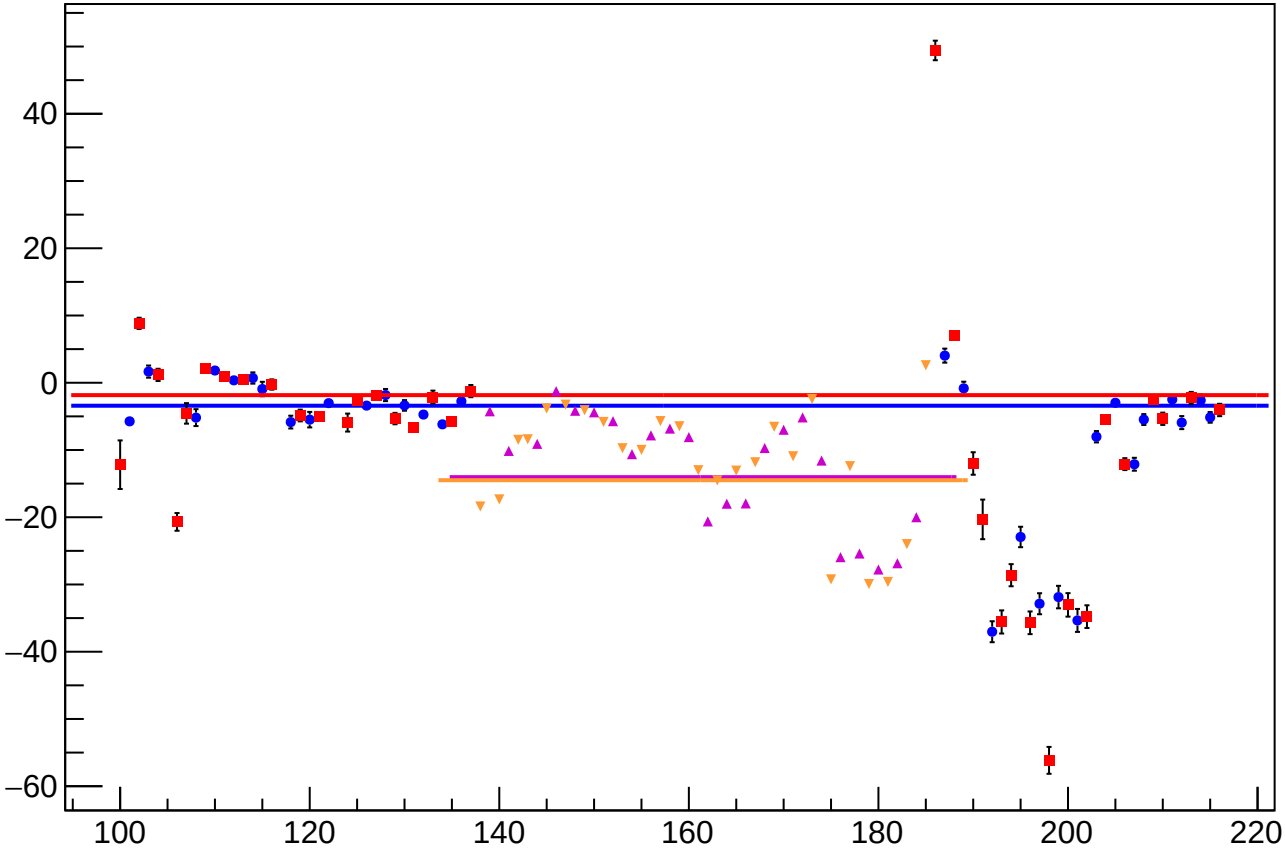
In: 17.258+/-0.023 χ^2/NDF:105784.0/53

Out: 17.716+/-0.023 χ^2/NDF:129376.3/59

All: 17.492+/-0.016 χ^2/NDF: 235359.1/113


reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: -0.401+/-0.003 χ²/NDF: 9865.0/30
Left Out: -0.140+/-0.001 χ²/NDF:4108.2/24
Right Out: -0.381+/-0.003 χ²/NDF: 14189.2/34
Left In: -0.133+/-0.001 χ²/NDF:5529.7/22
Left: -0.136+/-0.001 χ²/NDF: 9659.1/47
Right: -0.390+/-0.002 χ²/NDF: 24079.6/65
In: -0.168+/-0.001 χ²/NDF:23104.8/53
Out: -0.171+/-0.001 χ²/NDF:24749.2/59
All: -0.170+/-0.001 χ²/NDF: 47860.1/113

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: -1.842+/-0.128 χ^2/NDF: 5055.6/34

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

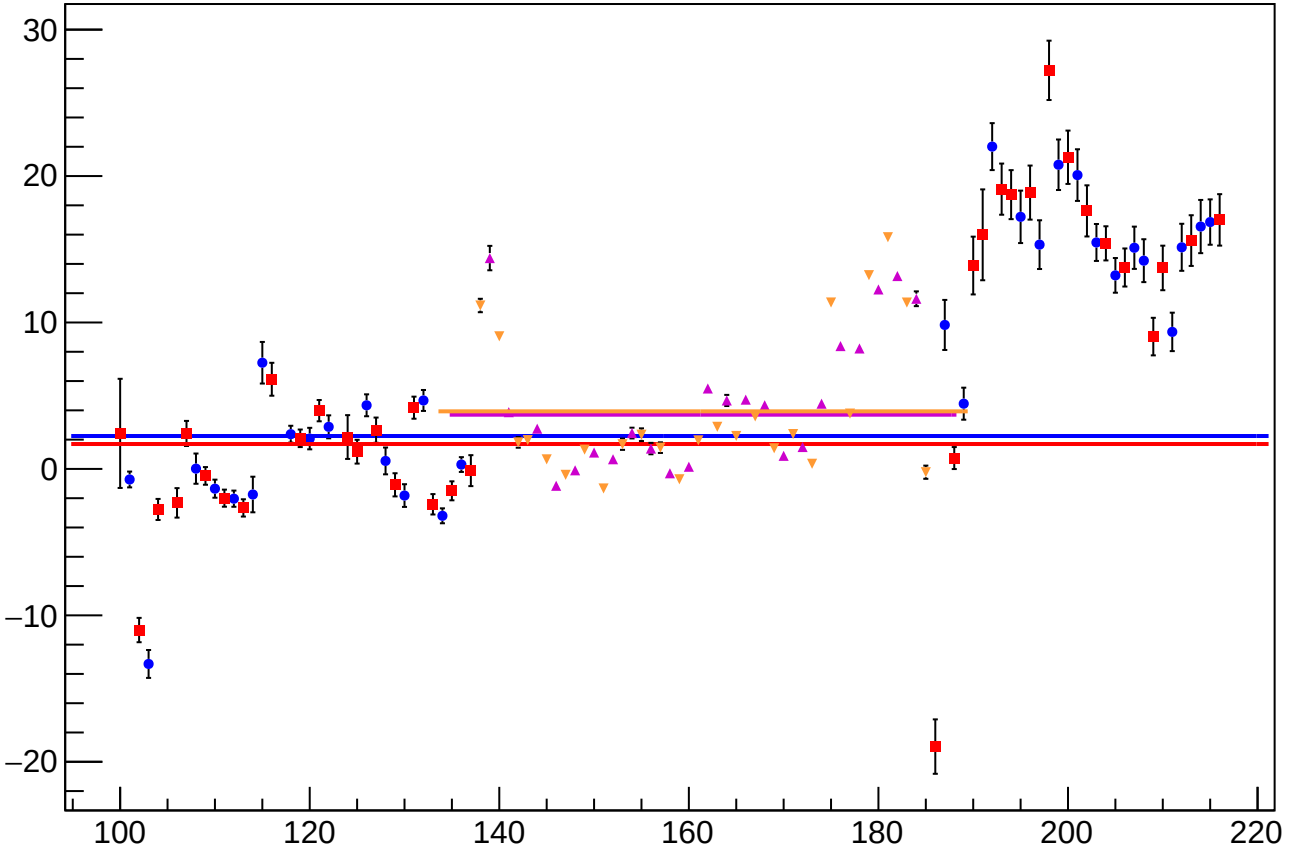
Right: -2.599+/-0.092 χ^2/NDF: 7349.0/65

In: -11.383+/-0.067 χ^2/NDF:20482.3/53

Out: -11.281+/-0.065 χ^2/NDF:29560.3/59

All: -11.331+/-0.046 χ^2/NDF: 50043.8/113

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: 1.701+/-0.160 χ^2/NDF: 1800.7/34

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

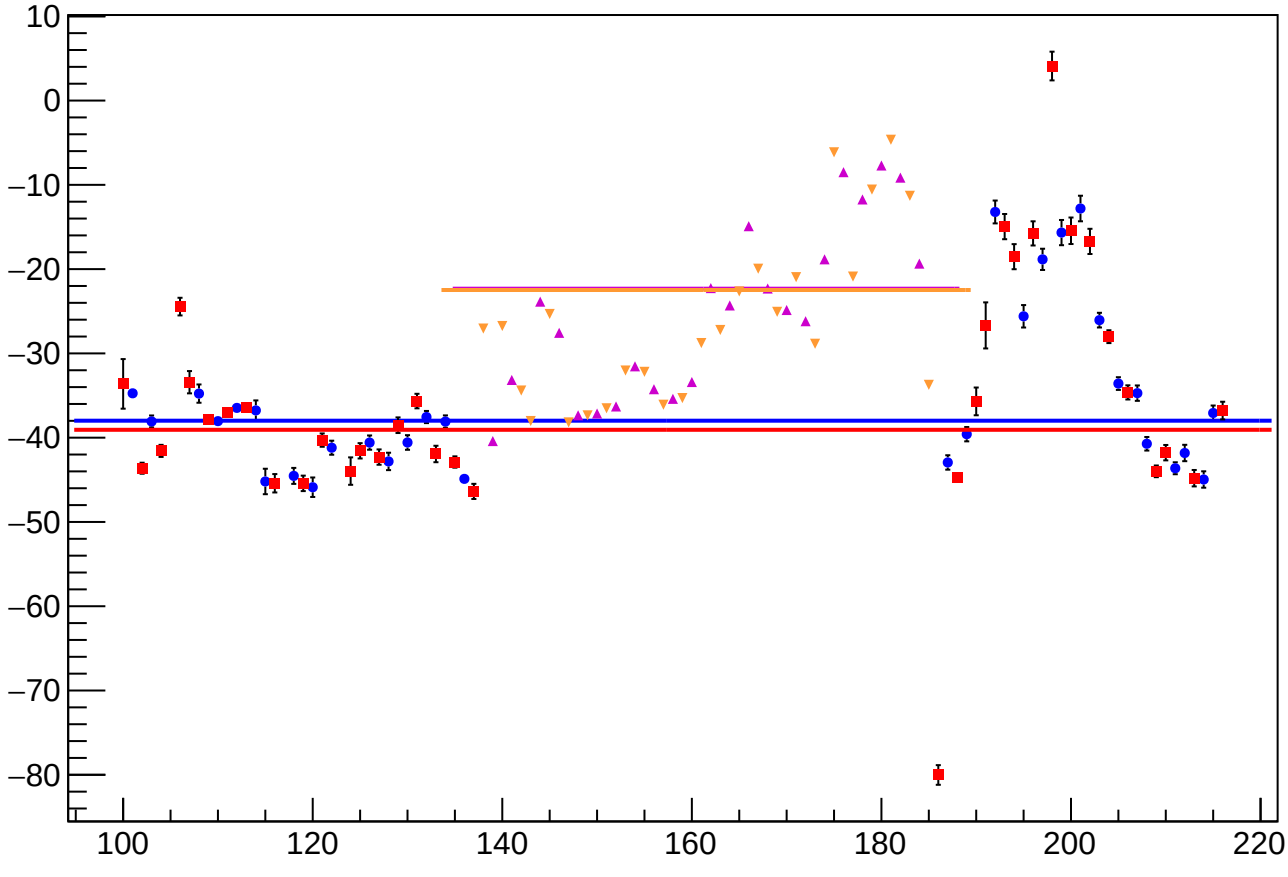
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: 1.978+/-0.112 χ^2/NDF: 3516.7/65

In: 3.523+/-0.056 χ^2/NDF:6573.3/53

Out: 3.673+/-0.054 χ^2/NDF:8952.2/59

All: 3.599+/-0.039 χ^2/NDF: 15529.3/113



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: -39.065+/-0.144 χ^2/NDF: 4139.7/34

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

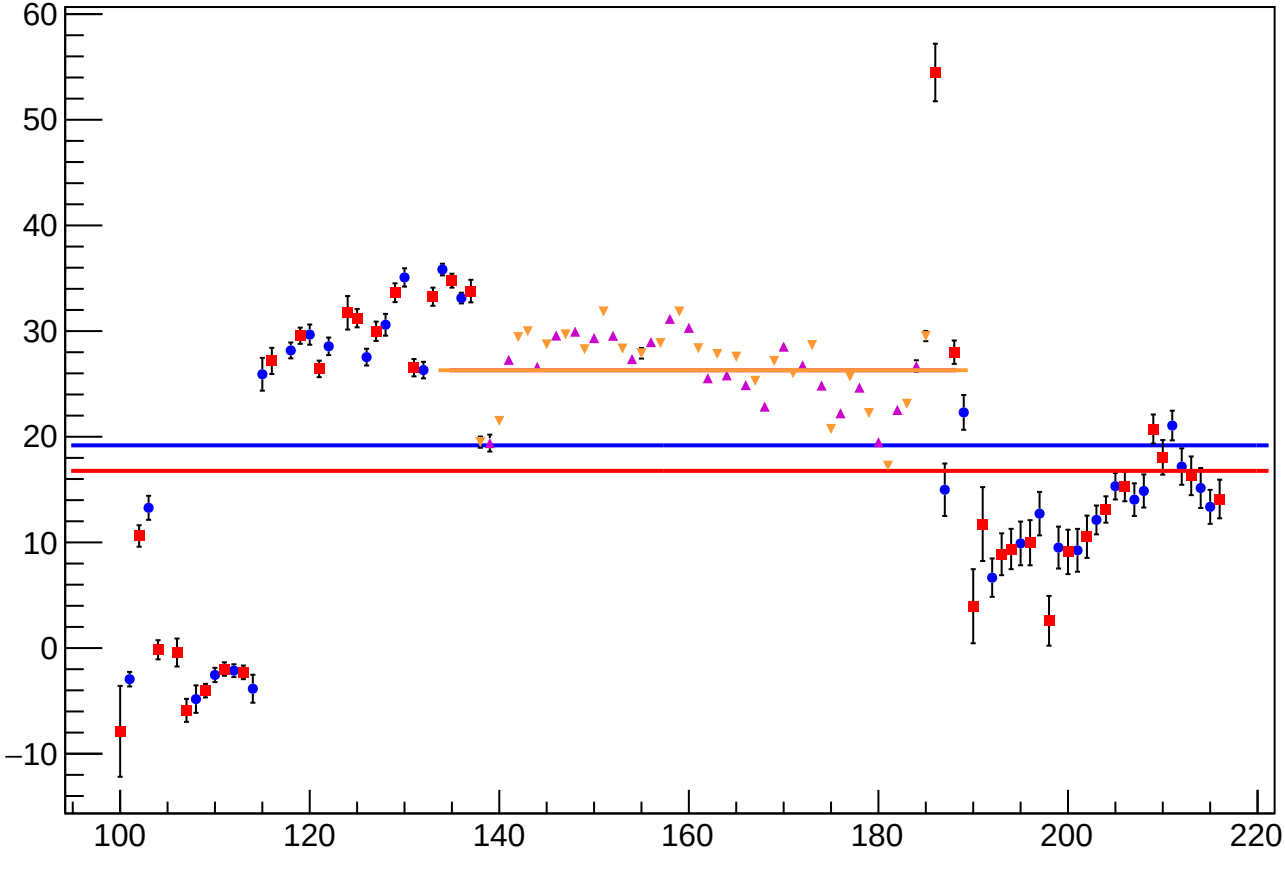
Right: -38.530+/-0.102 χ^2/NDF: 6209.5/65

In: -25.726+/-0.068 χ^2/NDF:28266.8/53

Out: -25.998+/-0.066 χ^2/NDF:34997.6/59

All: -25.864+/-0.047 χ^2/NDF: 63272.6/113

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: 16.772+/-0.182 χ^2/NDF: 7170.1/34

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

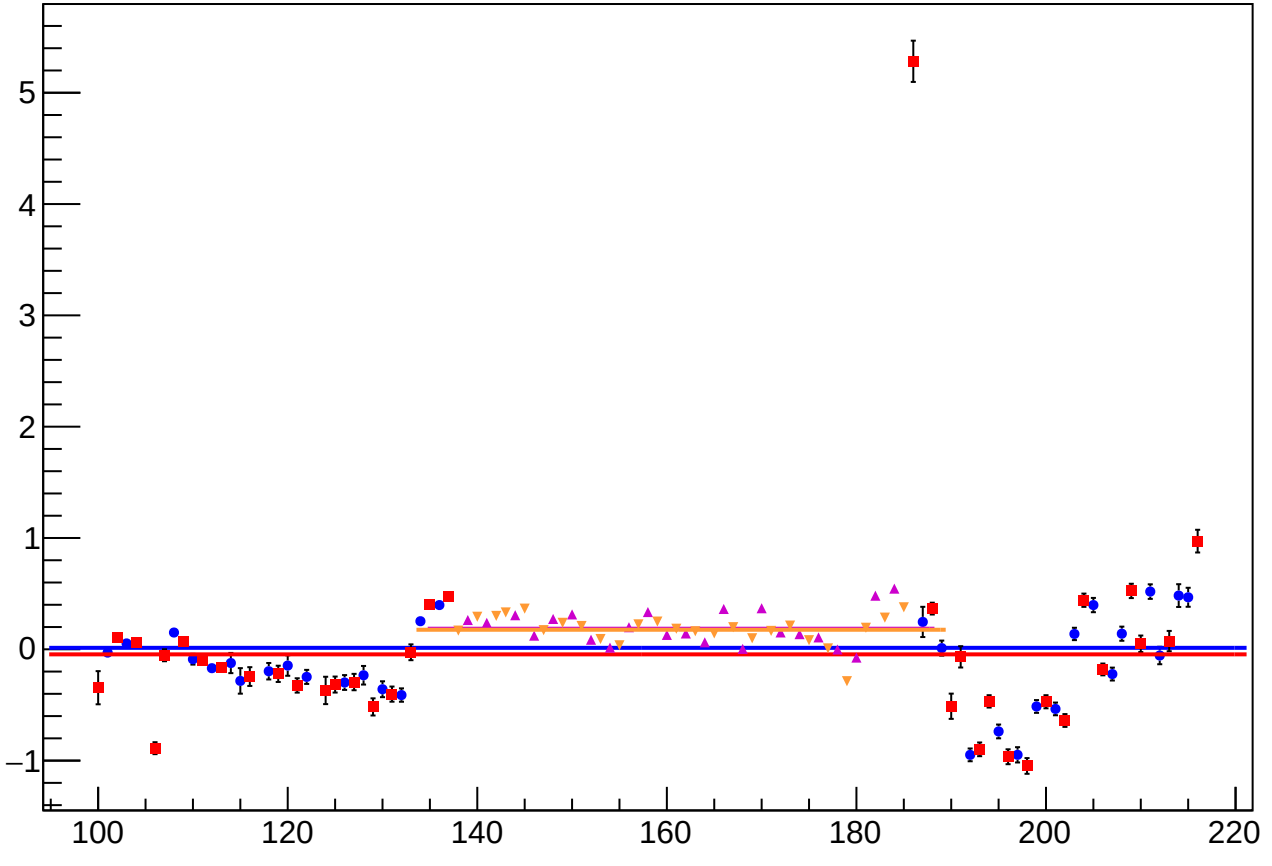
Right: 18.007+/-0.127 χ^2/NDF: 14176.5/65

In: 25.416+/-0.062 χ^2/NDF:10504.5/53

Out: 25.214+/-0.061 χ^2/NDF:12910.6/59

All: 25.313+/-0.044 χ^2/NDF: 23420.4/113

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: -0.045+/-0.009 χ^2/NDF: 2816.9/34

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

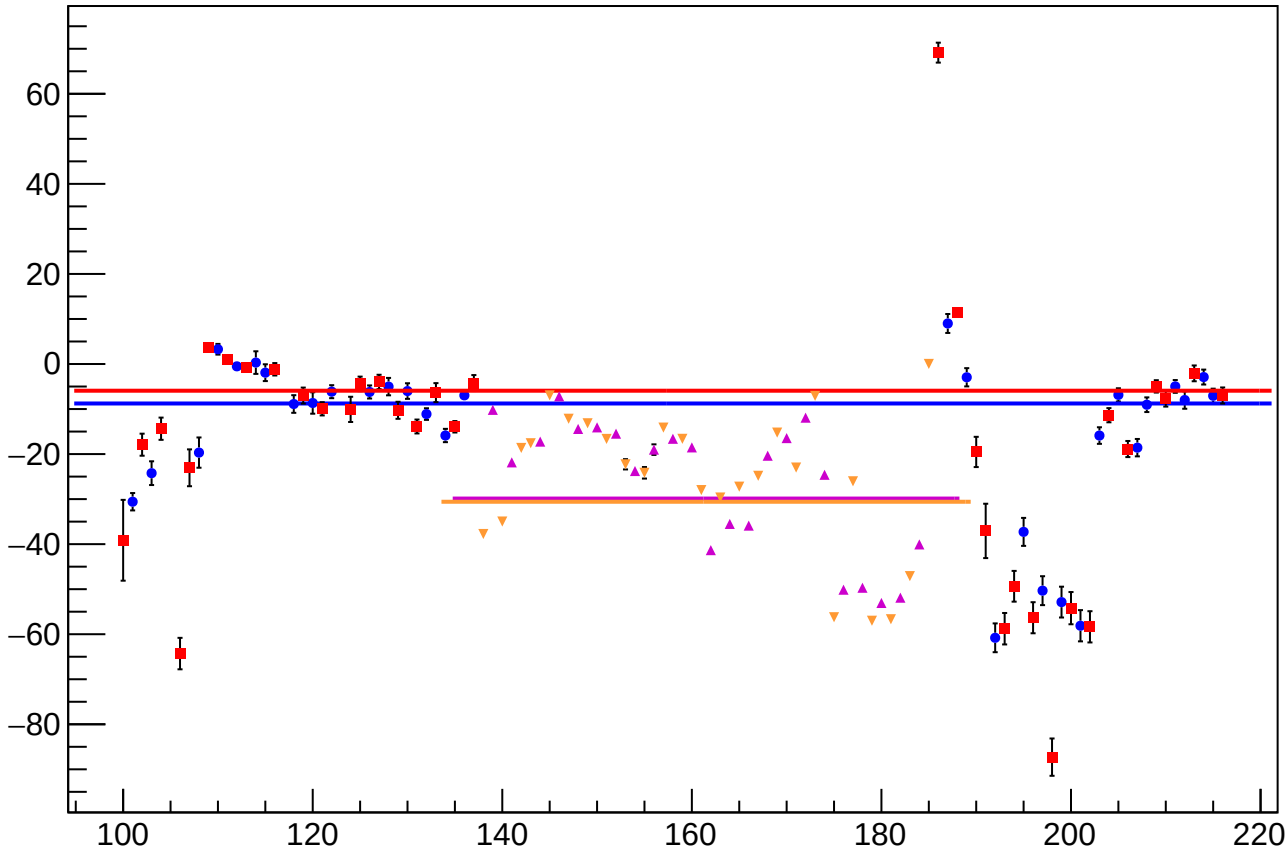
Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

Right: -0.015+/-0.006 χ^2/NDF: 4428.5/65

In: 0.168+/-0.003 χ^2/NDF:4464.5/53

Out: 0.156+/-0.003 χ^2/NDF:5272.1/59

All: 0.162+/-0.002 χ^2/NDF: 9745.9/113



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: -5.929+/-0.300 χ^2/NDF: 3512.5/34

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

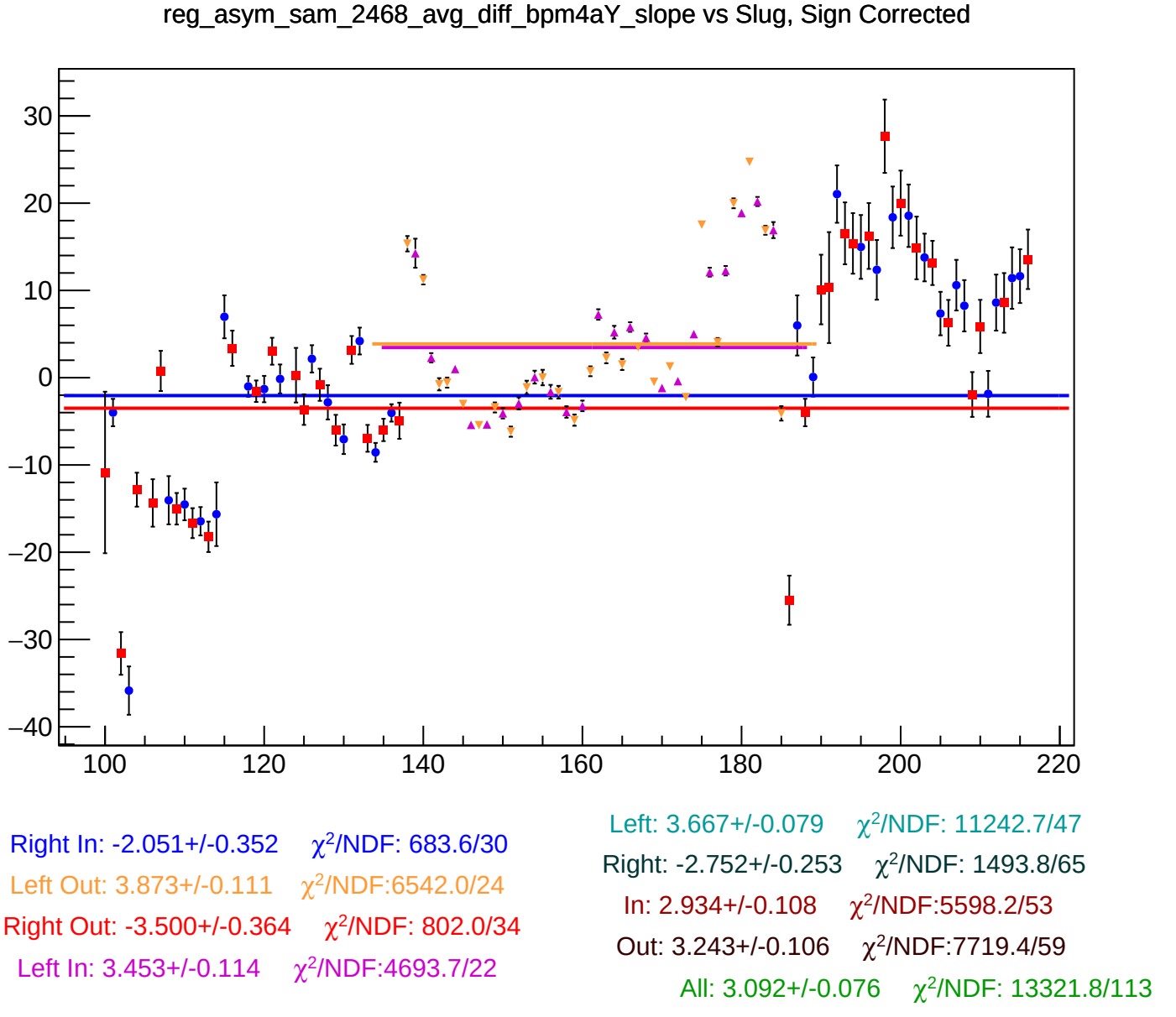
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

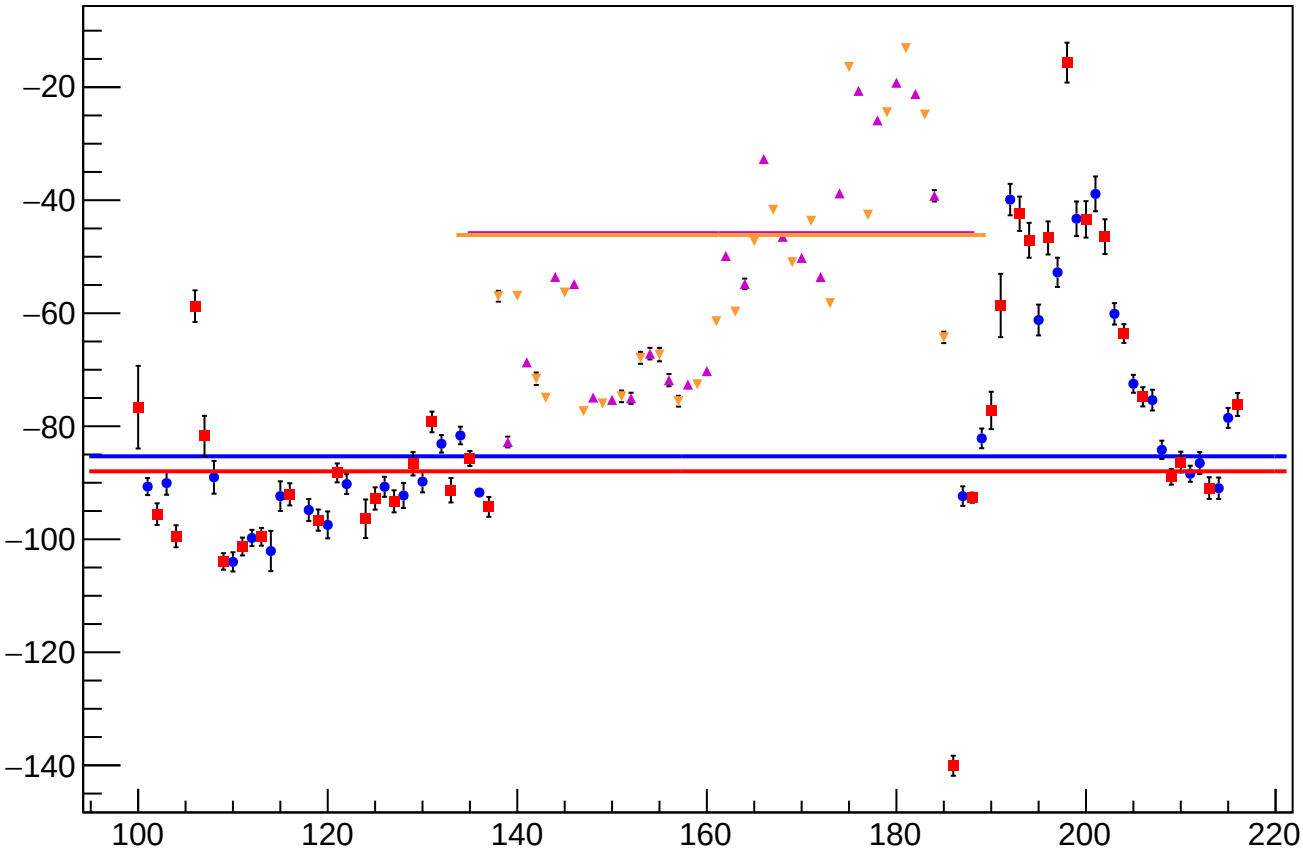
Right: -7.336+/-0.213 χ^2/NDF: 5001.1/65

In: -25.872+/-0.132 χ^2/NDF:17434.9/53

Out: -26.062+/-0.128 χ^2/NDF:25082.1/59

All: -25.969+/-0.092 χ^2/NDF: 42518.0/113


reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
220
Right In: -2.051+/-0.352 χ²/NDF: 683.6/30
Left Out: 3.873+/-0.111 χ²/NDF:6542.0/24
Right Out: -3.500+/-0.364 χ²/NDF: 802.0/34
Left In: 3.453+/-0.114 χ²/NDF:4693.7/22
Left: 3.667+/-0.079 χ²/NDF: 11242.7/47
Right: -2.752+/-0.253 χ²/NDF: 1493.8/65
In: 2.934+/-0.108 χ²/NDF:5598.2/53
Out: 3.243+/-0.106 χ²/NDF:7719.4/59
All: 3.092+/-0.076 χ²/NDF: 13321.8/113



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: -87.975+/-0.324 χ^2/NDF: 3127.5/34

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

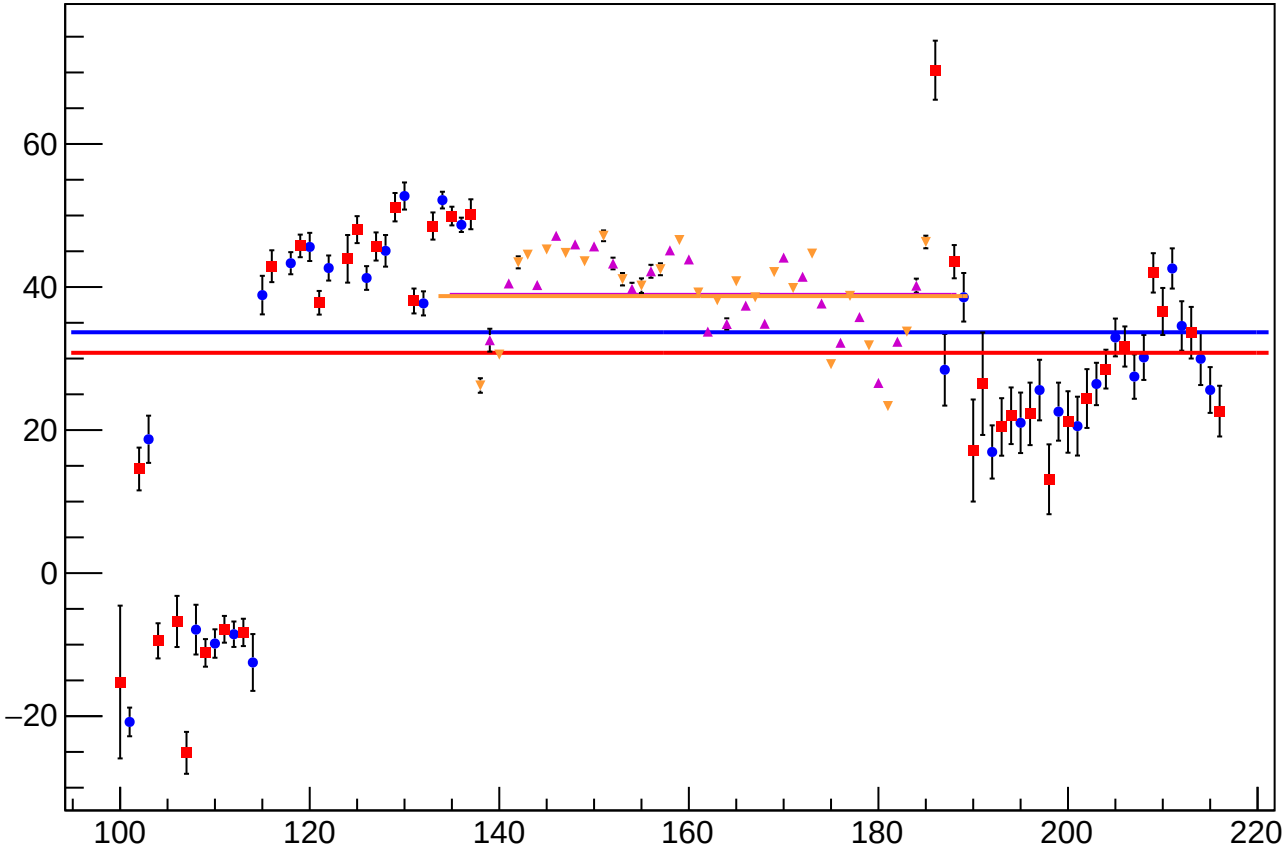
Right: -86.644+/-0.229 χ^2/NDF: 4817.4/65

In: -52.524+/-0.133 χ^2/NDF:31972.5/53

Out: -52.918+/-0.130 χ^2/NDF:38533.2/59

All: -52.725+/-0.093 χ^2/NDF: 70510.2/113

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: 30.804+/-0.414 χ^2/NDF: 3100.4/34

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

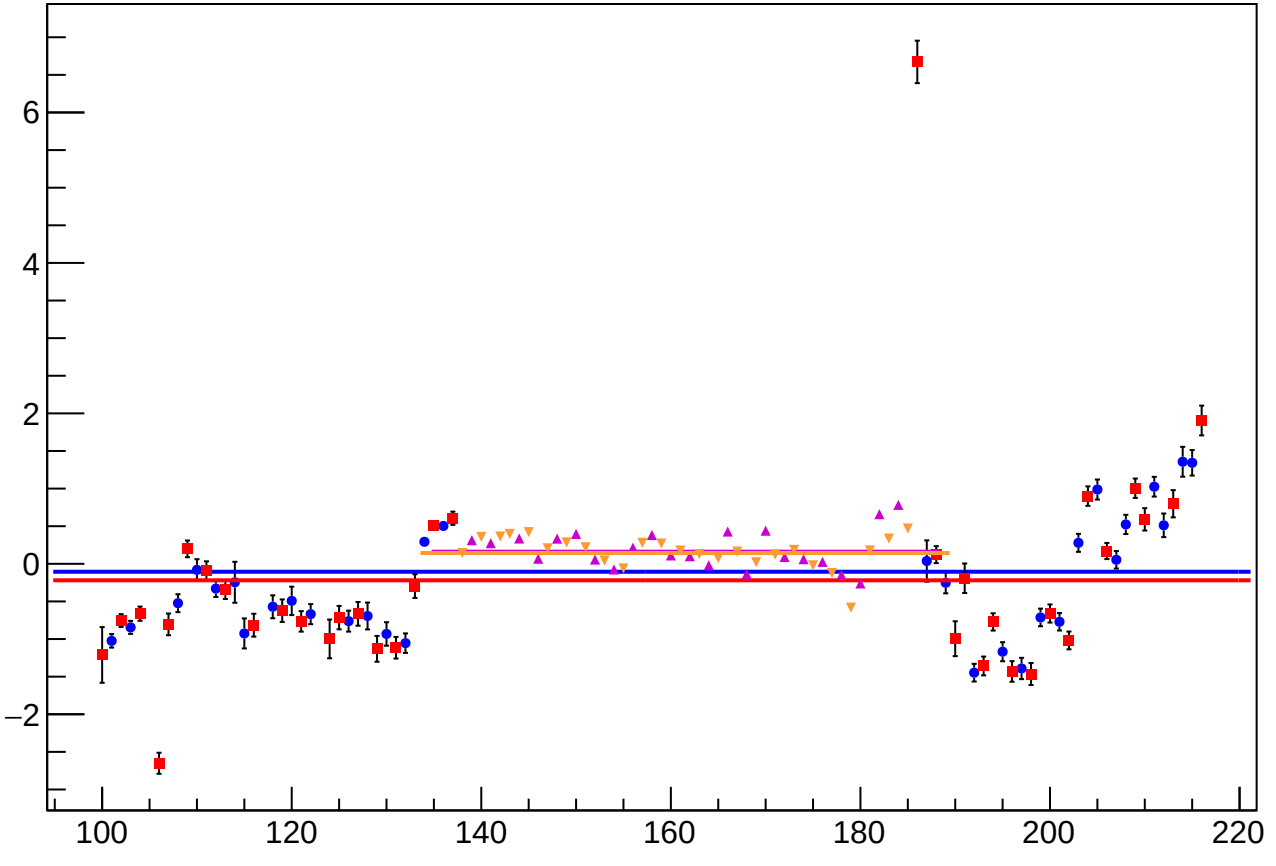
Right: 32.305+/-0.286 χ^2/NDF: 6022.8/65

In: 38.413+/-0.121 χ^2/NDF:5027.3/53

Out: 38.072+/-0.119 χ^2/NDF:6218.7/59

All: 38.239+/-0.085 χ^2/NDF: 11250.0/113

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: -0.219+/-0.021 χ^2/NDF: 2112.1/34

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

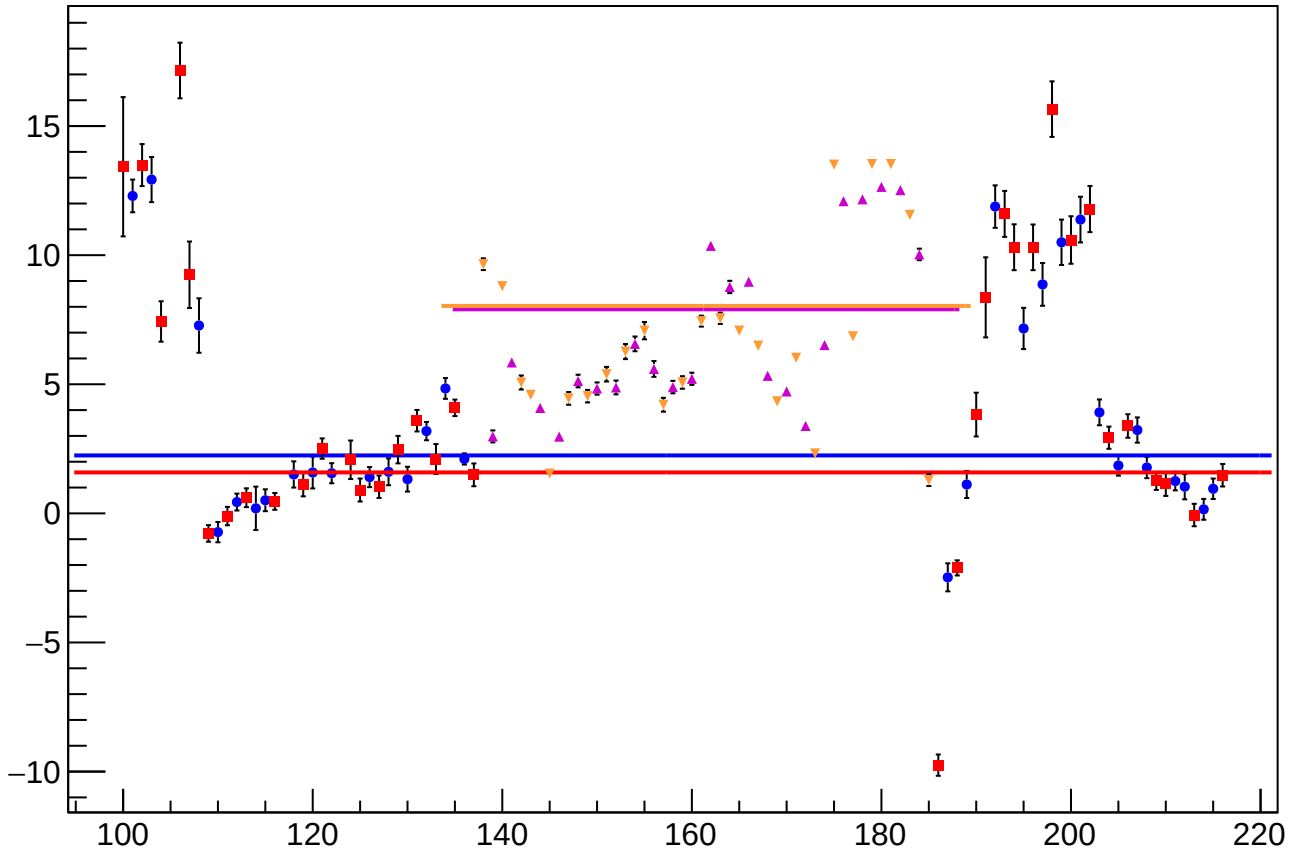
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.159+/-0.014 χ^2/NDF: 3423.7/65

In: 0.141+/-0.005 χ^2/NDF:3382.4/53

Out: 0.120+/-0.005 χ^2/NDF:3833.7/59

All: 0.130+/-0.004 χ^2/NDF: 7223.7/113



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: 1.586+/-0.082 χ^2/NDF: 2426.9/34

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

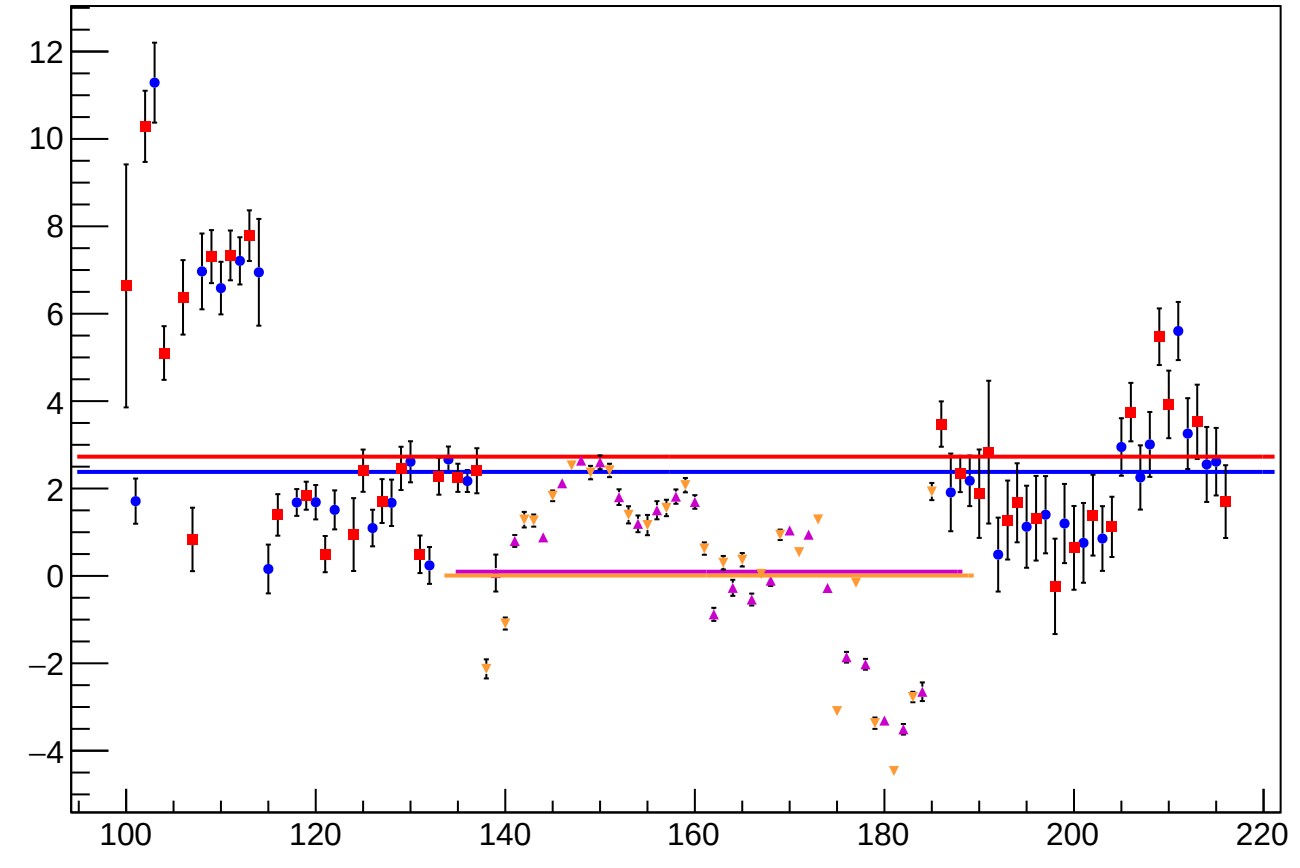
Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

Right: 1.915+/-0.058 χ^2/NDF: 3641.8/65

In: 6.991+/-0.033 χ^2/NDF:15225.7/53

Out: 7.046+/-0.032 χ^2/NDF:21636.1/59

All: 7.019+/-0.023 χ^2/NDF: 36863.2/113



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: 2.729+/-0.098 χ^2/NDF: 465.6/34

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

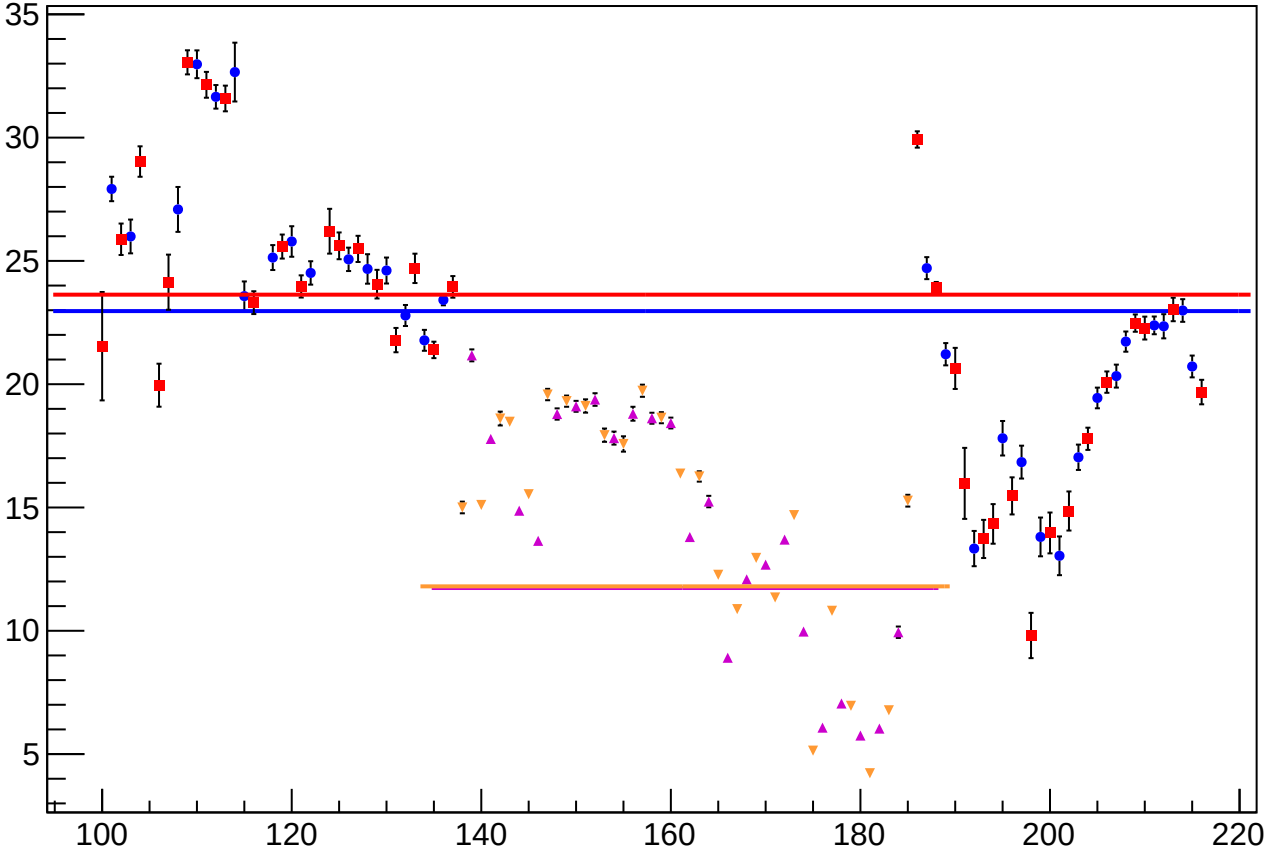
Right: 2.549+/-0.068 χ^2/NDF: 849.8/65

In: 0.279+/-0.027 χ^2/NDF:5340.1/53

Out: 0.205+/-0.026 χ^2/NDF:6934.9/59

All: 0.242+/-0.019 χ^2/NDF: 12278.9/113

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: 23.631+/-0.086 χ^2/NDF: 2714.1/34

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

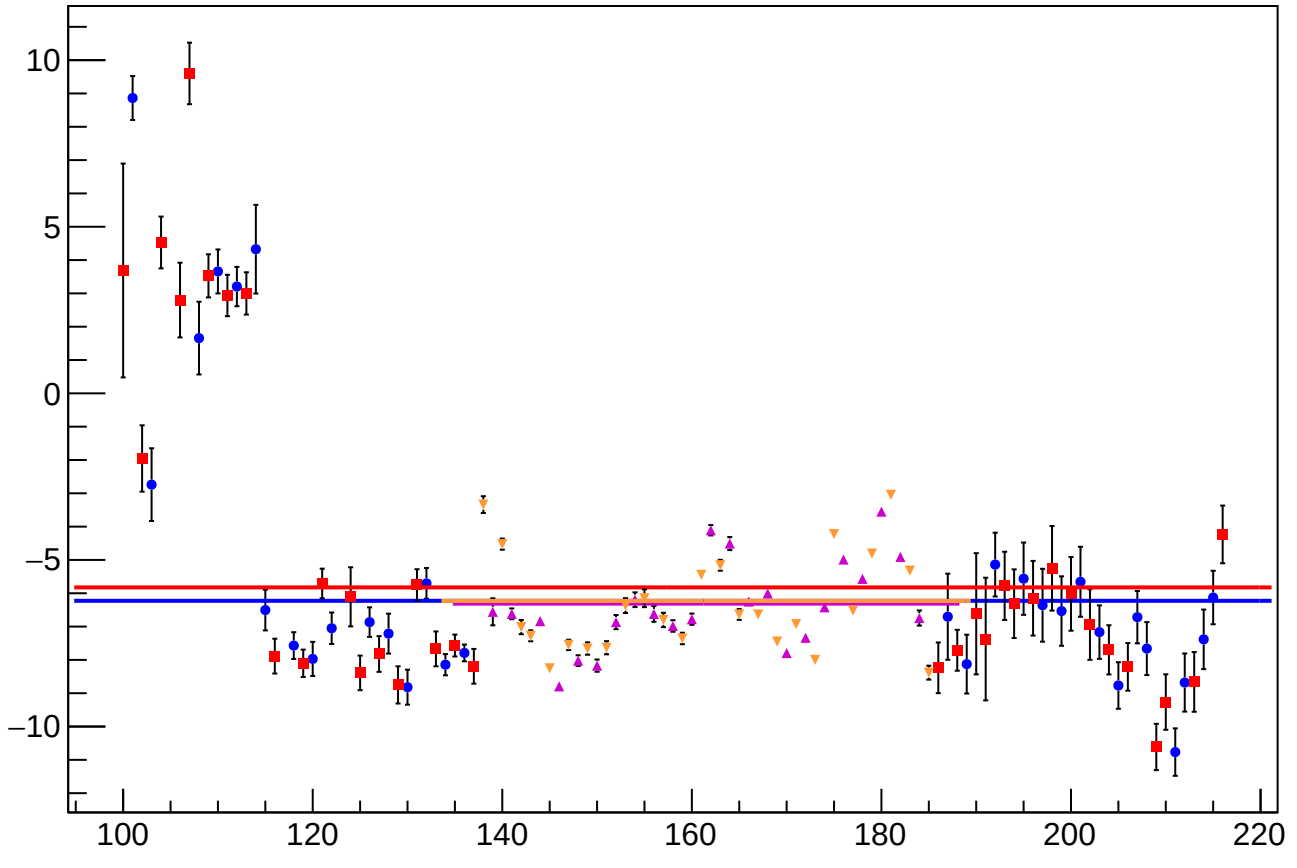
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.299+/-0.061 χ^2/NDF: 4615.9/65

In: 13.377+/-0.033 χ^2/NDF:34254.3/53

Out: 13.464+/-0.032 χ^2/NDF:40385.7/59

All: 13.422+/-0.023 χ^2/NDF: 74643.5/113



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: -5.824+/-0.112 χ^2/NDF: 1431.1/34

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

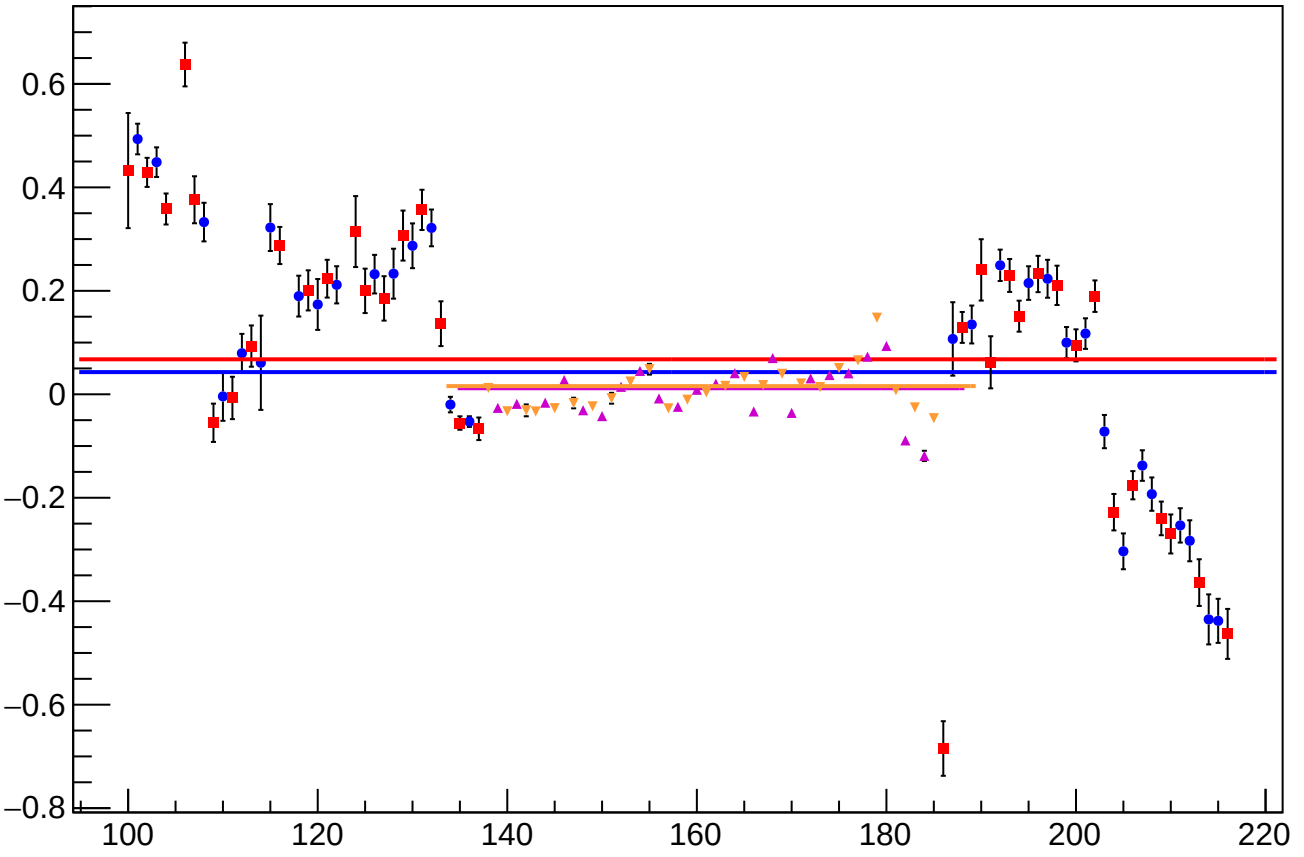
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -6.035+/-0.077 χ^2/NDF: 2773.1/65

In: -6.304+/-0.030 χ^2/NDF:3366.0/53

Out: -6.202+/-0.030 χ^2/NDF:3893.4/59

All: -6.252+/-0.021 χ^2/NDF: 7265.2/113



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: 0.068+/-0.006 χ^2/NDF: 1655.2/34

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

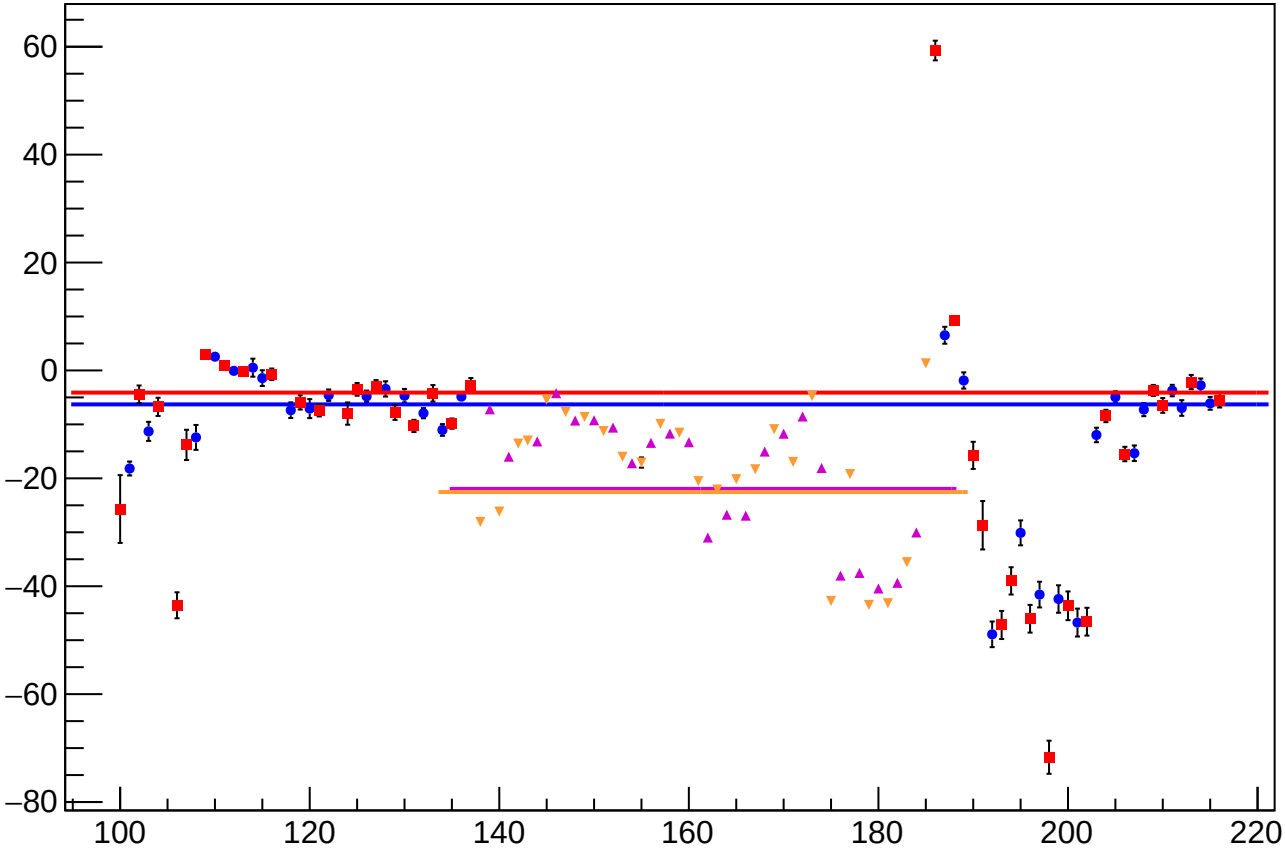
Right: 0.054+/-0.004 χ^2/NDF: 3171.5/65

In: 0.014+/-0.001 χ^2/NDF:2835.9/53

Out: 0.019+/-0.001 χ^2/NDF:2667.8/59

All: 0.016+/-0.001 χ^2/NDF: 5510.4/113

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: -4.107+/-0.216 χ^2/NDF: 3913.8/34

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

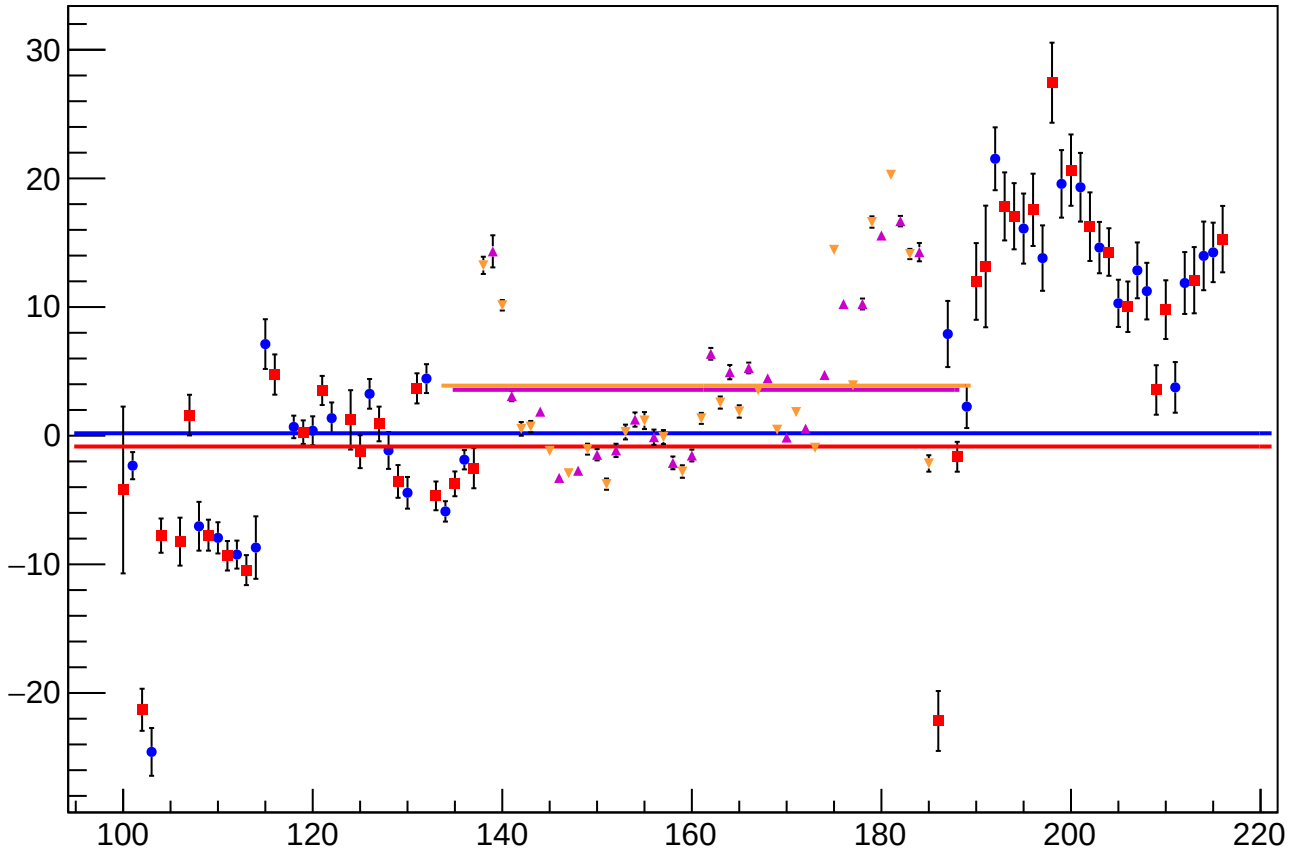
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -5.184+/-0.154 χ^2/NDF: 5582.0/65

In: -18.750+/-0.099 χ^2/NDF:18268.4/53

Out: -18.842+/-0.097 χ^2/NDF:26282.6/59

All: -18.797+/-0.069 χ^2/NDF: 44551.4/113



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: -0.841+/-0.264 χ^2/NDF: 1056.0/34

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

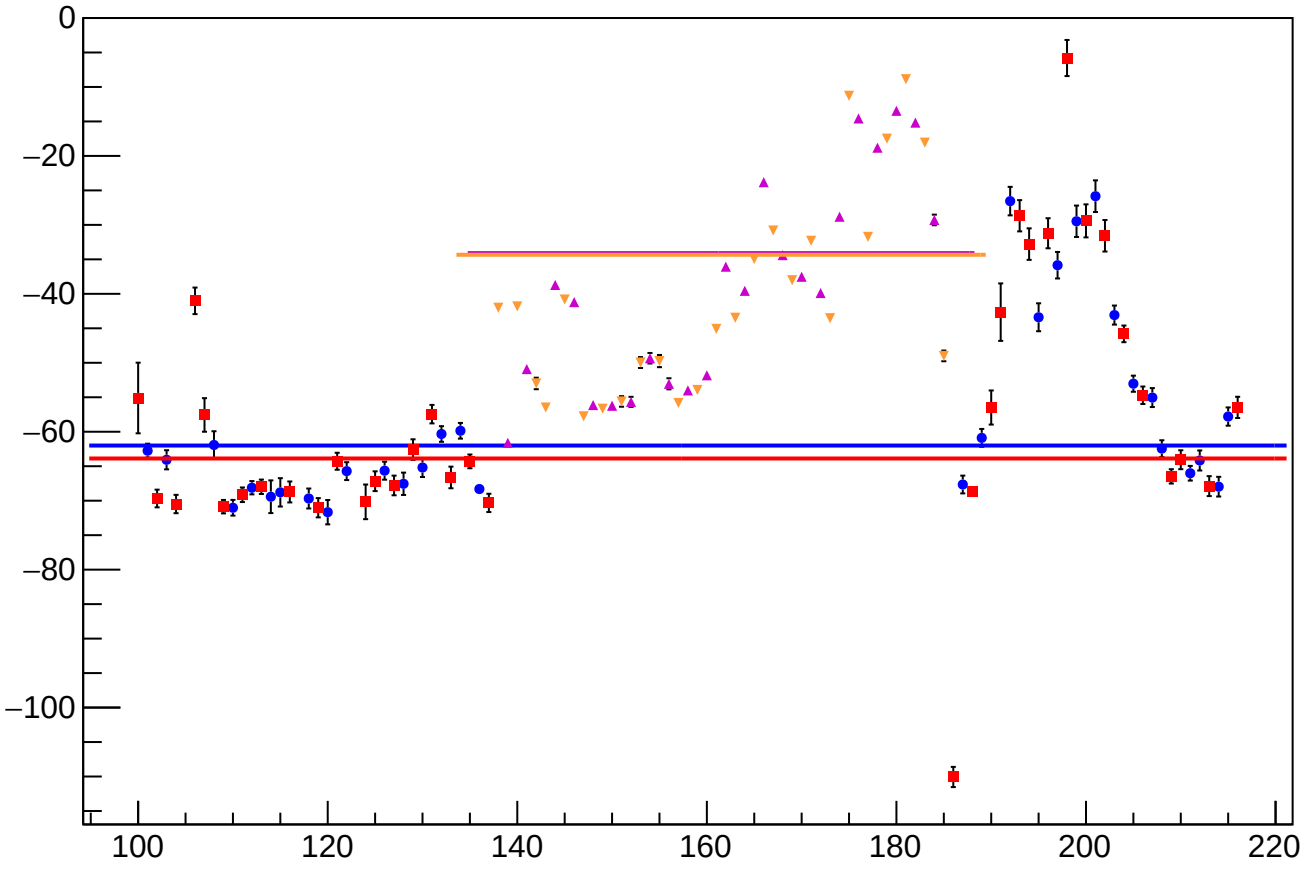
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -0.312+/-0.184 χ^2/NDF: 1999.7/65

In: 3.222+/-0.082 χ^2/NDF:5831.4/53

Out: 3.452+/-0.080 χ^2/NDF:8072.5/59

All: 3.339+/-0.057 χ^2/NDF: 13908.0/113



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: -63.879+/-0.236 χ^2/NDF: 3337.8/34

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

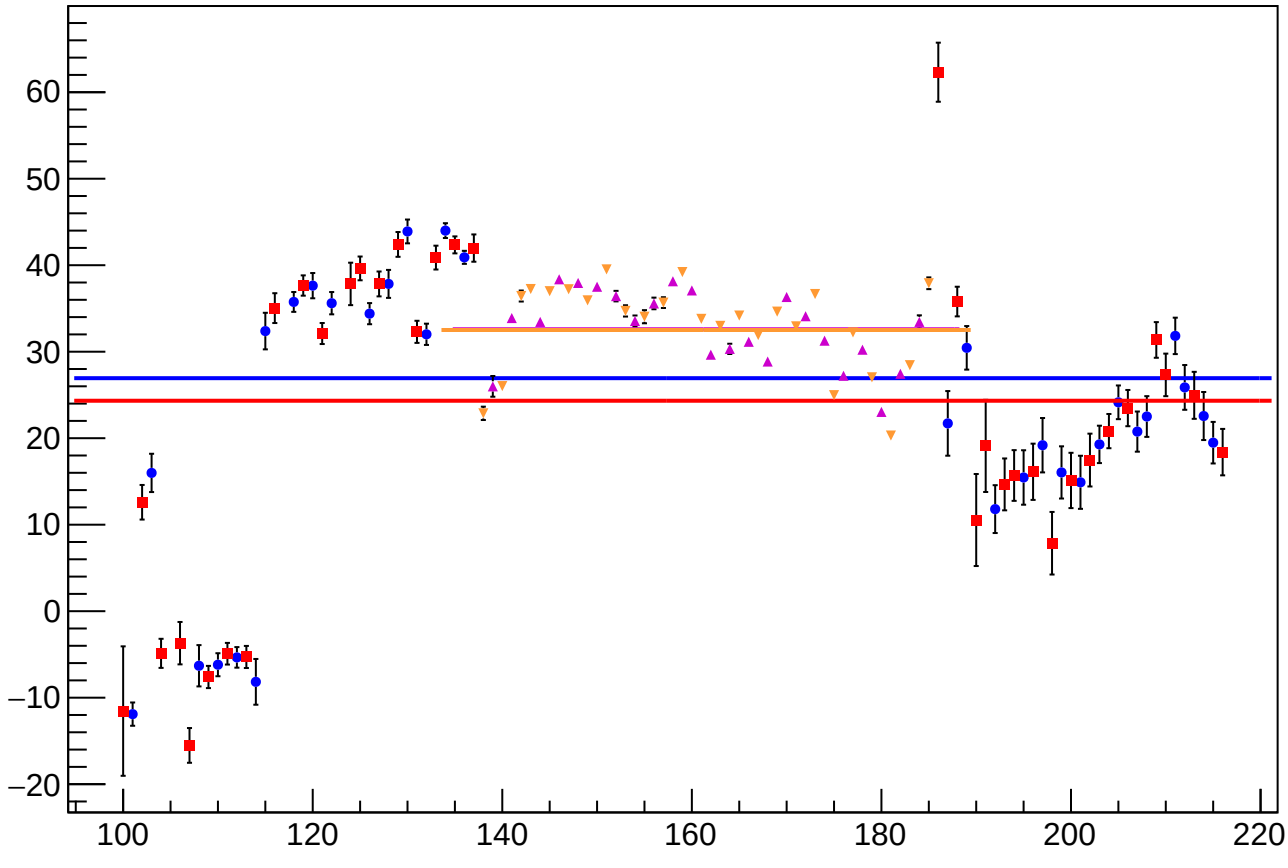
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -62.939+/-0.167 χ^2/NDF: 5038.6/65

In: -39.156+/-0.100 χ^2/NDF:30880.1/53

Out: -39.476+/-0.098 χ^2/NDF:37497.5/59

All: -39.319+/-0.070 χ^2/NDF: 68382.8/113



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: 24.331+/-0.300 χ^2/NDF: 4098.9/34

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

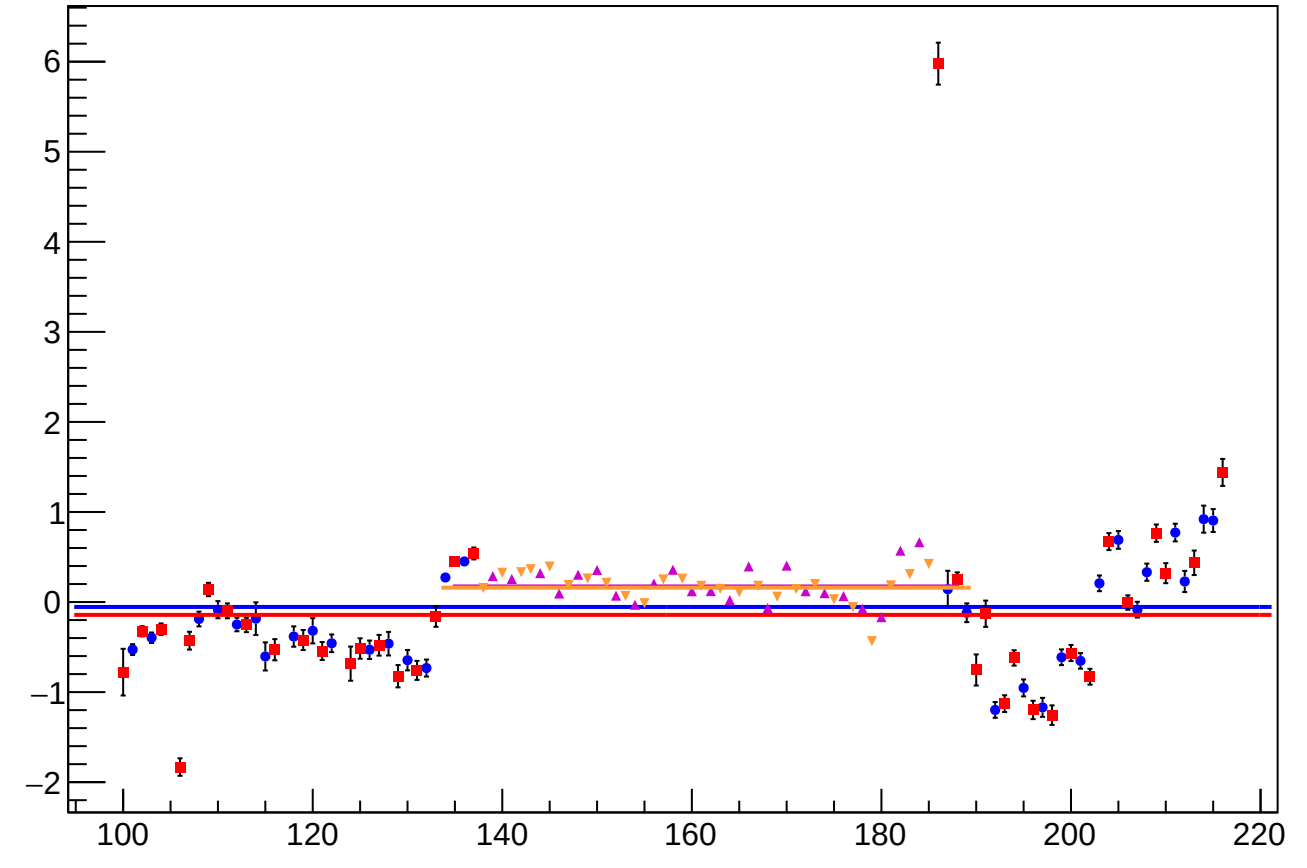
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 25.688+/-0.208 χ^2/NDF: 8004.0/65

In: 32.024+/-0.092 χ^2/NDF:6225.8/53

Out: 31.770+/-0.090 χ^2/NDF:7714.7/59

All: 31.895+/-0.064 χ^2/NDF: 13944.3/113



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: -0.142+/-0.015 χ^2/NDF: 2295.2/34

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

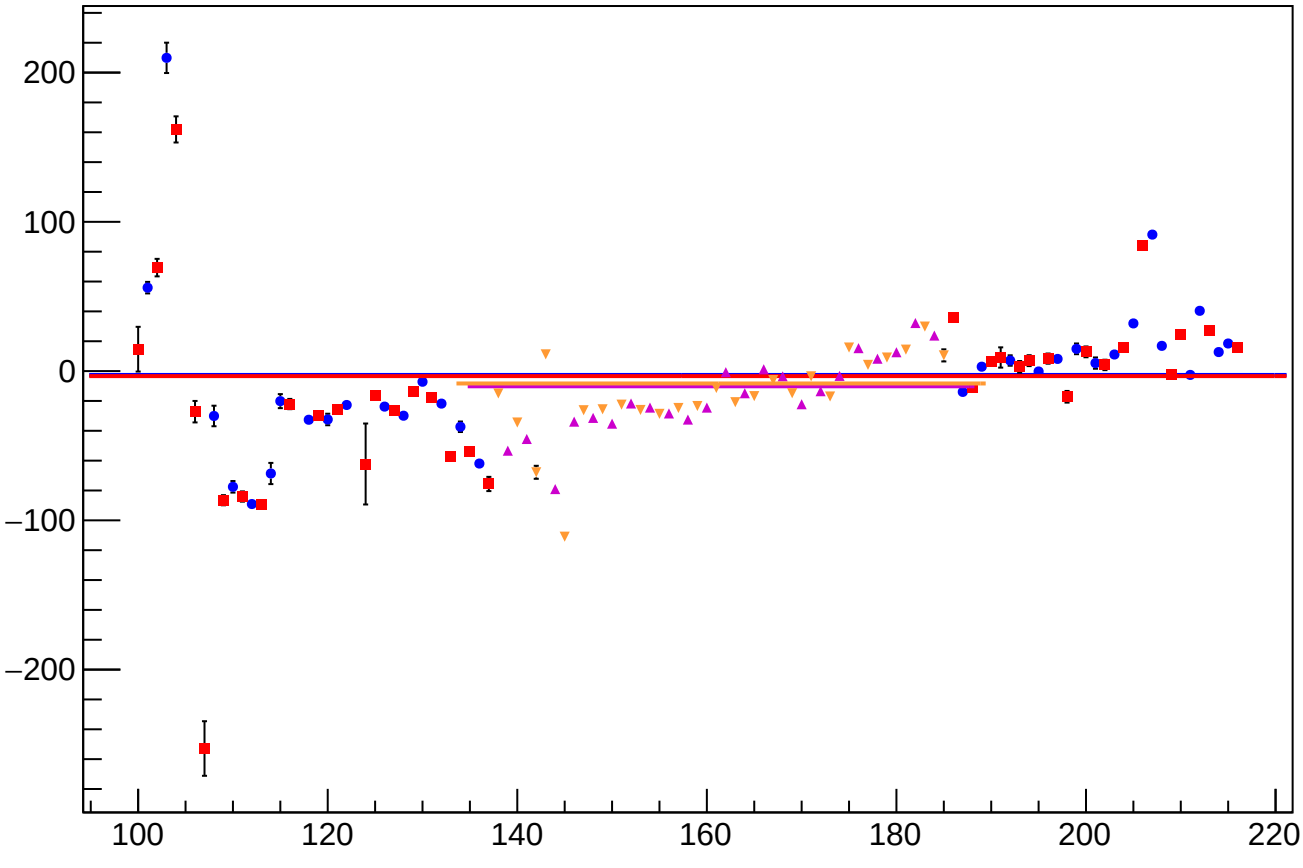
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.096+/-0.010 χ^2/NDF: 3628.8/65

In: 0.154+/-0.004 χ^2/NDF:3674.0/53

Out: 0.138+/-0.004 χ^2/NDF:4273.4/59

All: 0.146+/-0.003 χ^2/NDF: 7955.3/113



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: -3.365+/-0.489 χ^2/NDF: 5923.1/34

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

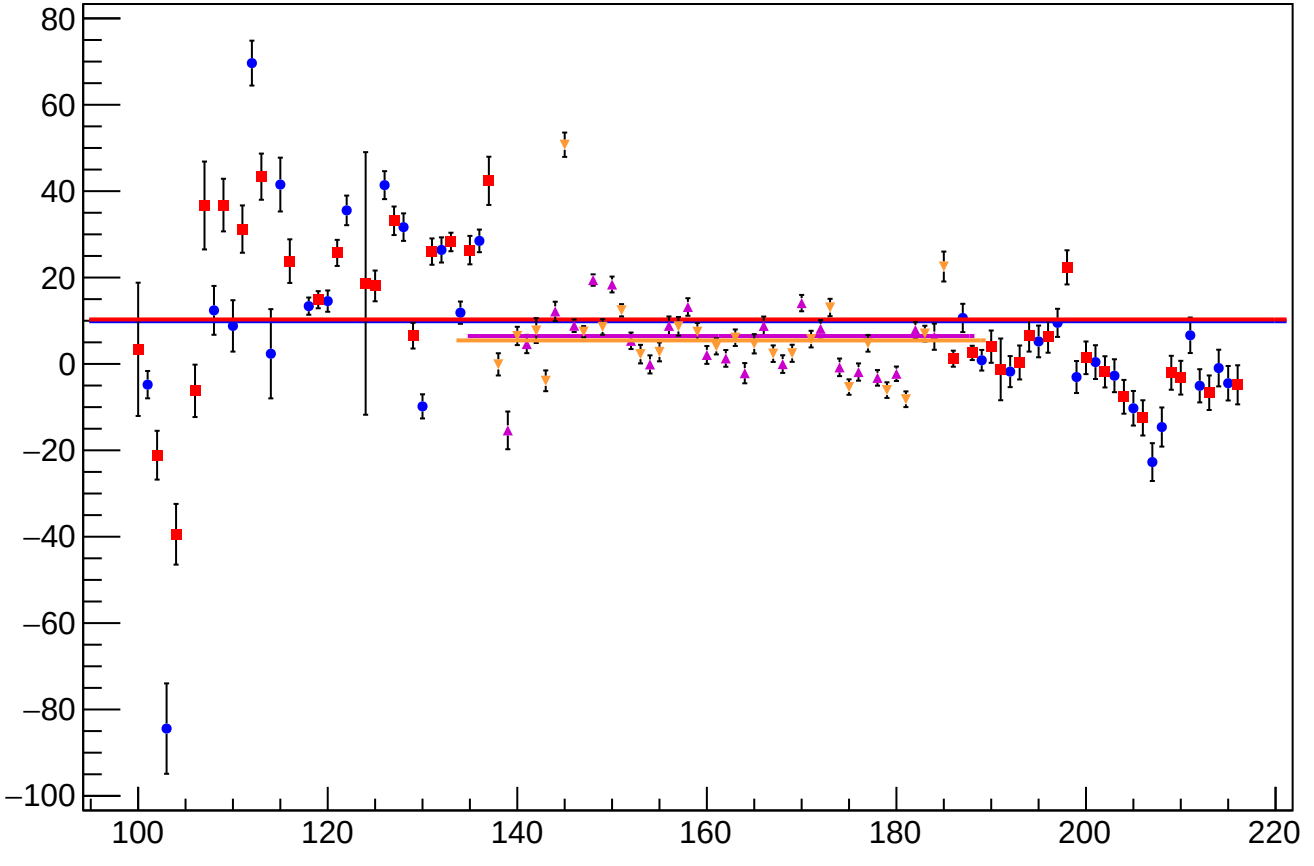
Right: -2.995+/-0.354 χ^2/NDF: 10965.0/65

In: -6.294+/-0.368 χ^2/NDF:7665.8/53

Out: -5.710+/-0.354 χ^2/NDF:8531.1/59

All: -5.991+/-0.255 χ^2/NDF: 16198.2/113

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 10.298+/-0.592 χ^2/NDF: 602.4/34

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

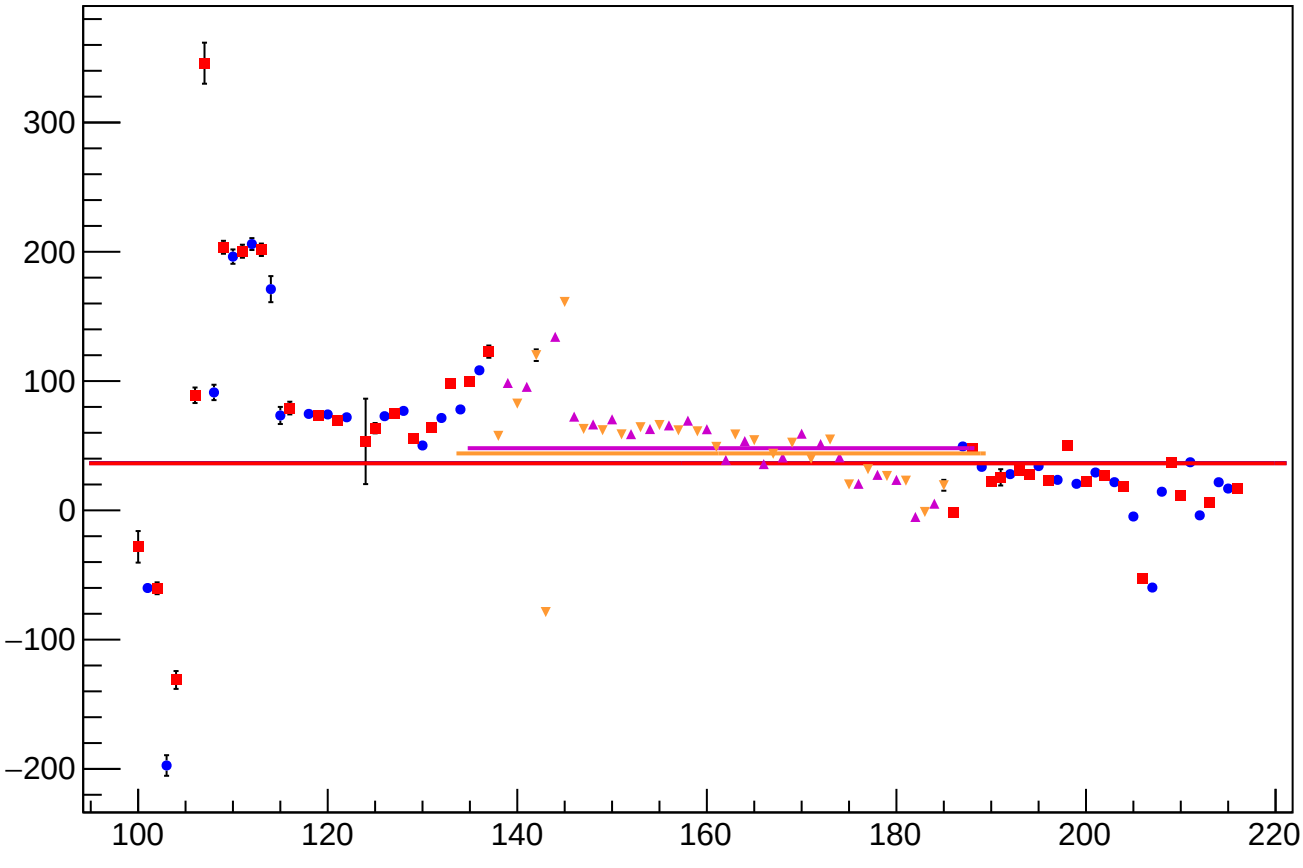
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 10.103+/-0.428 χ^2/NDF: 1401.8/65

In: 7.499+/-0.341 χ^2/NDF:1156.5/53

Out: 6.936+/-0.328 χ^2/NDF:1142.8/59

All: 7.207+/-0.236 χ^2/NDF: 2300.6/113



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: 36.392+/-0.468 χ^2/NDF: 9376.5/34

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

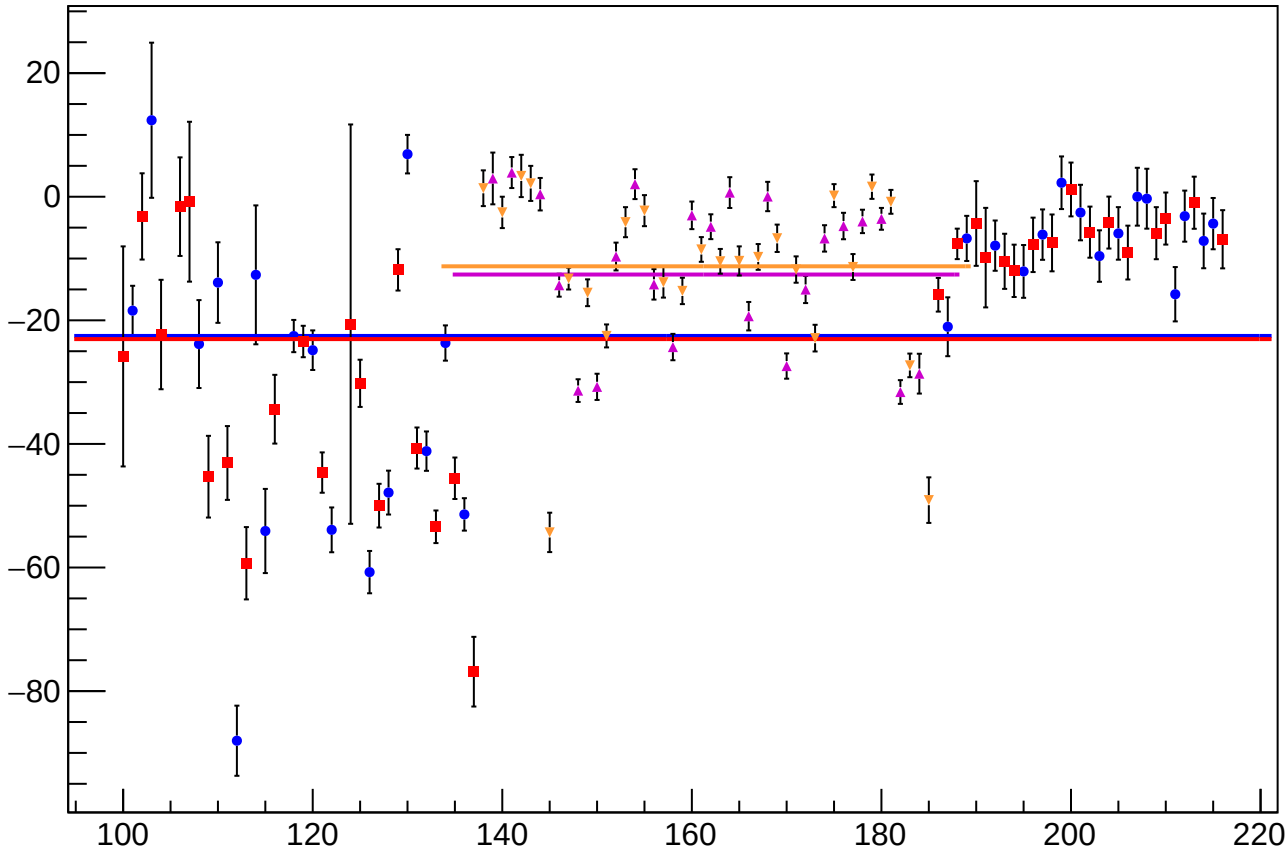
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 36.462+/-0.346 χ^2/NDF: 17724.6/65

In: 42.234+/-0.366 χ^2/NDF:11972.5/53

Out: 39.887+/-0.345 χ^2/NDF:14062.5/59

All: 40.990+/-0.251 χ^2/NDF: 26056.8/113



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: -23.038+/-0.709 χ^2/NDF: 747.3/34

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

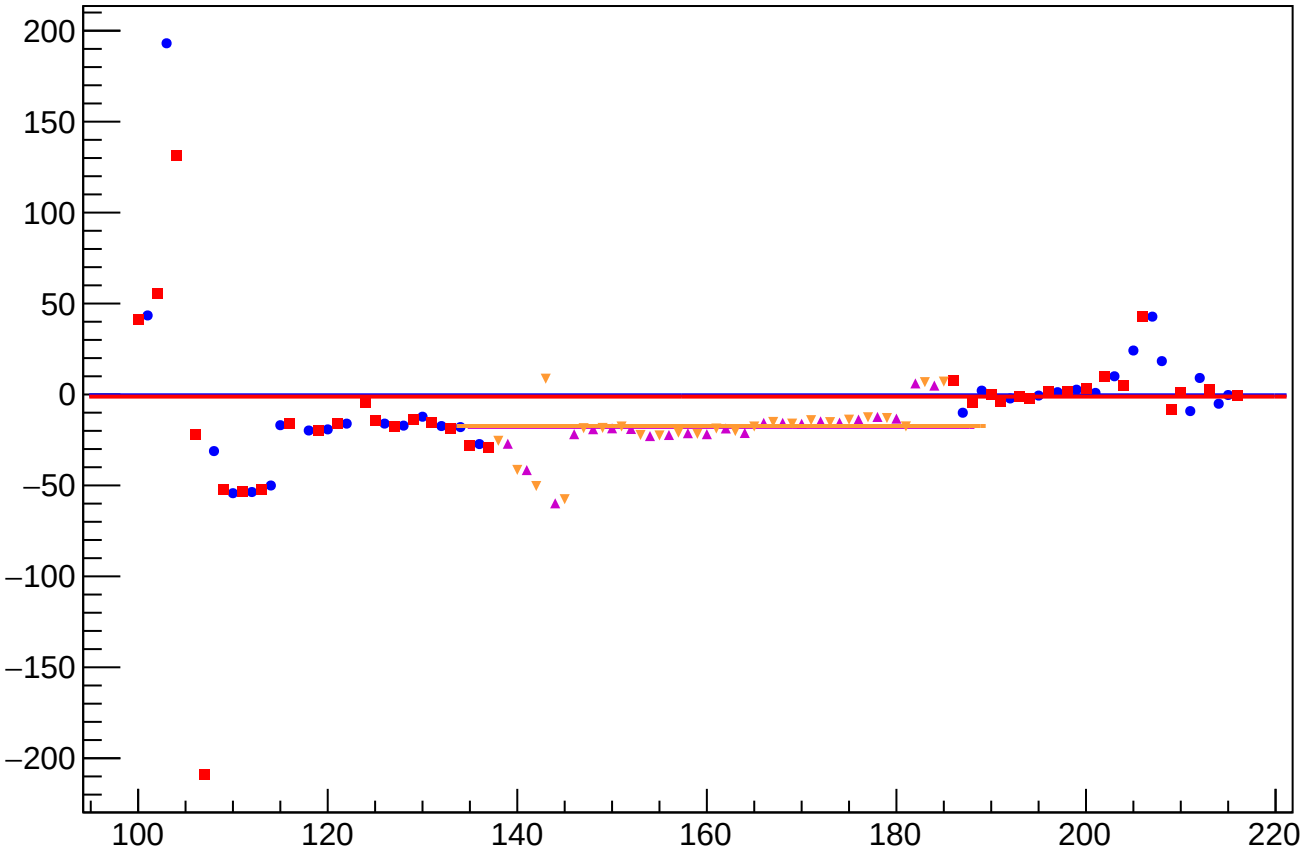
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -22.786+/-0.504 χ^2/NDF: 1641.1/65

In: -15.478+/-0.386 χ^2/NDF:1701.8/53

Out: -14.585+/-0.377 χ^2/NDF:1588.5/59

All: -15.020+/-0.270 χ^2/NDF: 3293.0/113



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: -1.167+/-0.033 χ^2/NDF: 571677.0/34

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

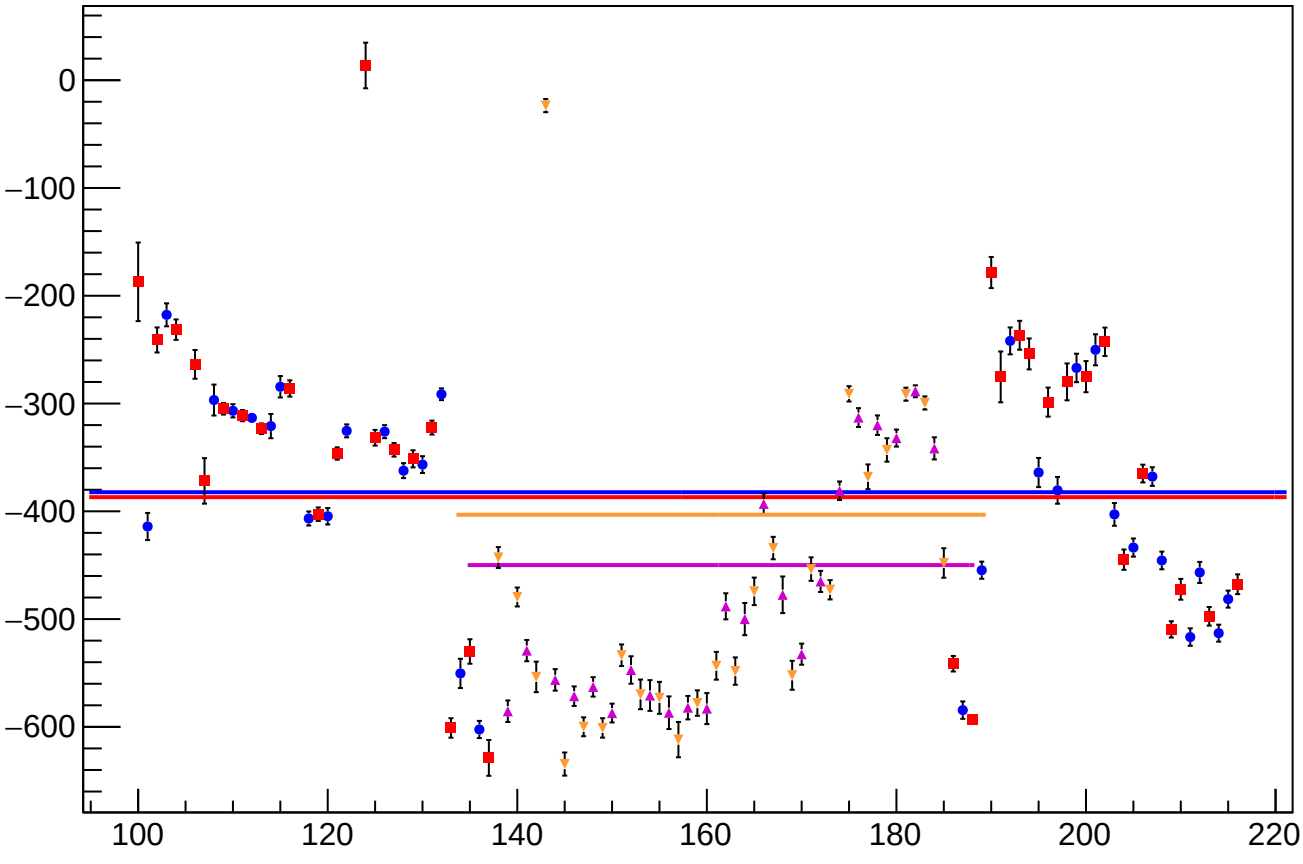
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -0.811+/-0.024 χ^2/NDF: 1219973.5/65

In: -13.220+/-0.017 χ^2/NDF:1110099.6/53

Out: -13.061+/-0.017 χ^2/NDF:1092578.0/59

All: -13.139+/-0.012 χ^2/NDF: 2202720.5/113



Right In: -382.290+/-1.459 χ^2/NDF: 4069.7/30

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -386.868+/-1.397 χ^2/NDF: 6999.1/34

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

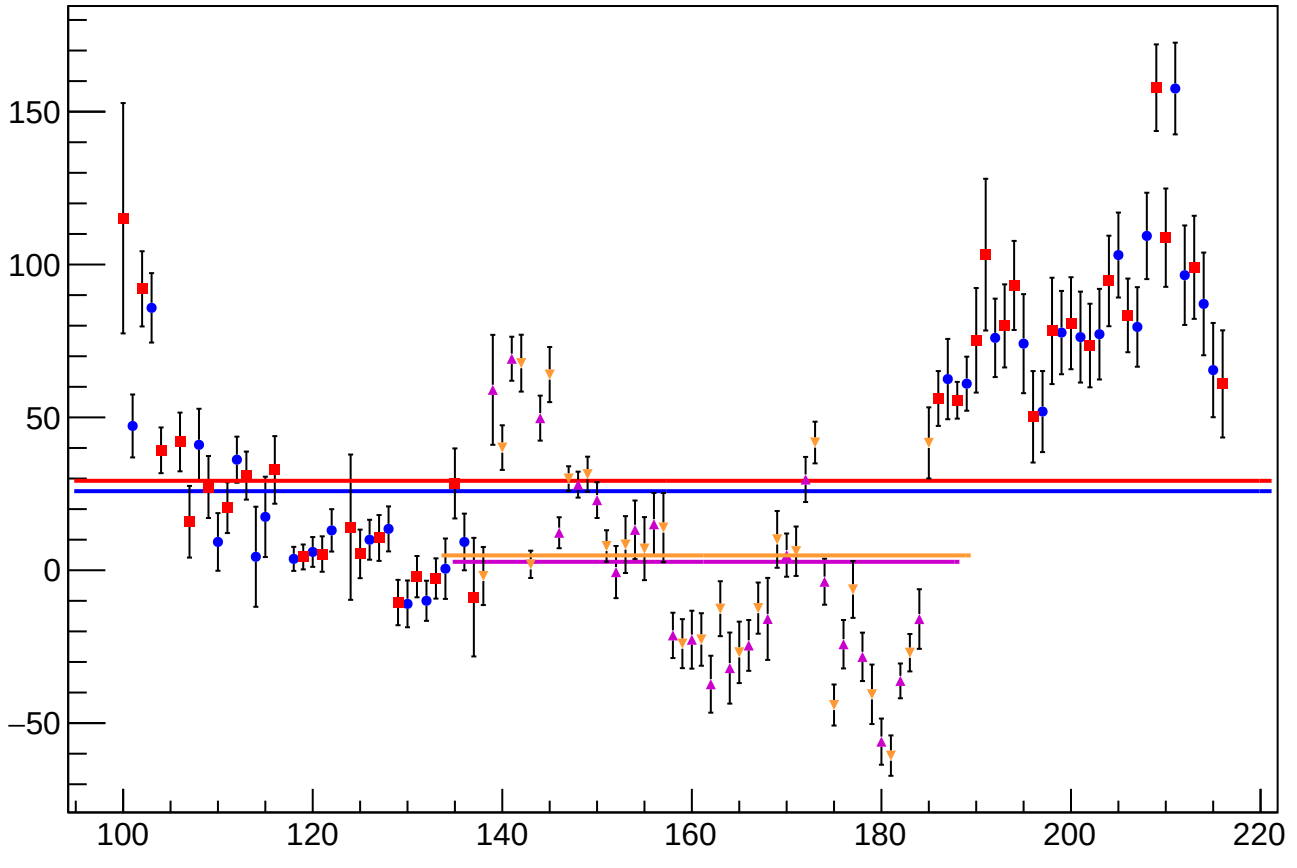
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -384.679+/-1.009 χ^2/NDF: 11073.9/65

In: -405.132+/-1.187 χ^2/NDF:8014.0/53

Out: -392.489+/-1.131 χ^2/NDF:14796.4/59

All: -398.503+/-0.819 χ^2/NDF: 22869.8/113



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: 29.262+/-1.600 χ^2/NDF: 461.8/34

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

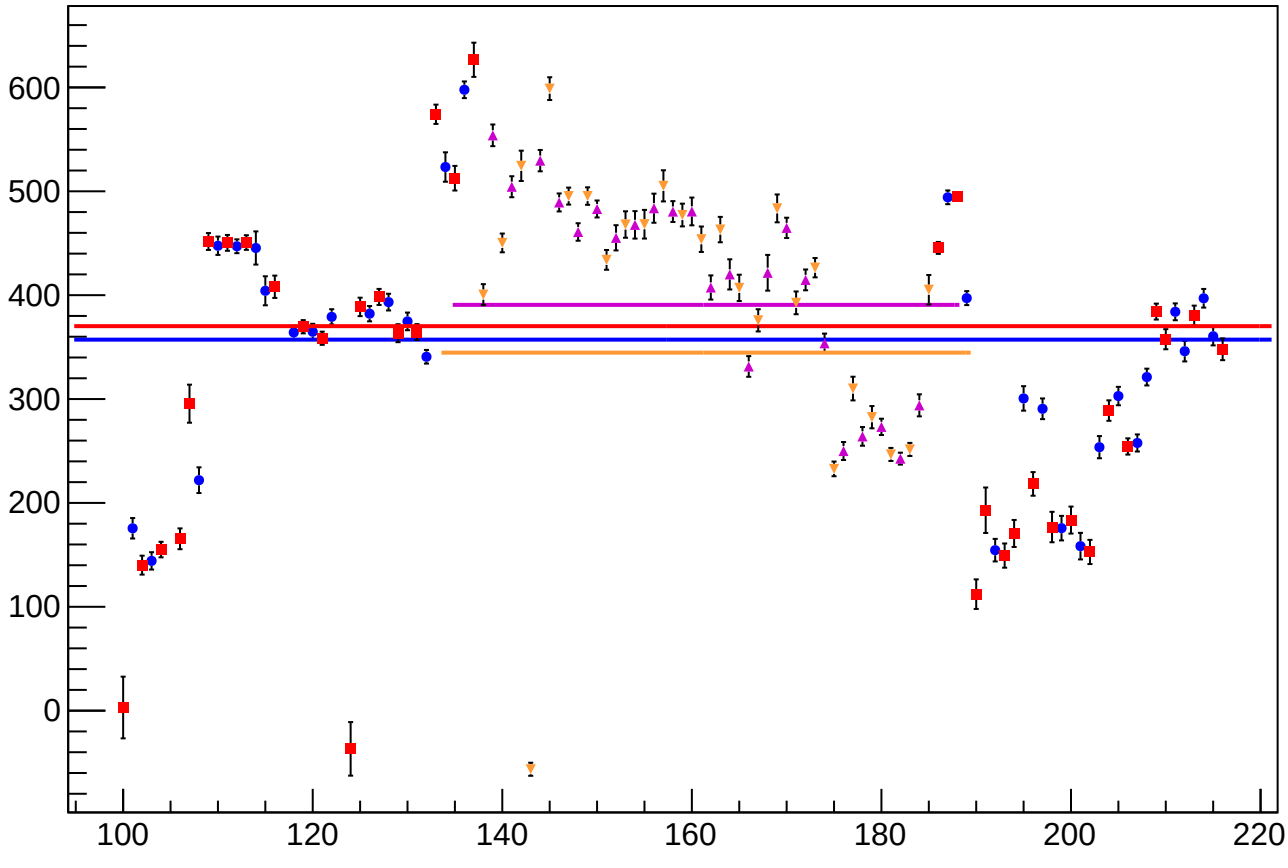
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 27.600+/-1.143 χ^2/NDF: 916.7/65

In: 13.746+/-1.126 χ^2/NDF:957.4/53

Out: 15.839+/-1.073 χ^2/NDF:1047.0/59

All: 14.842+/-0.777 χ^2/NDF: 2006.2/113



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: 370.173+/-1.455 χ^2/NDF: 7218.9/34

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

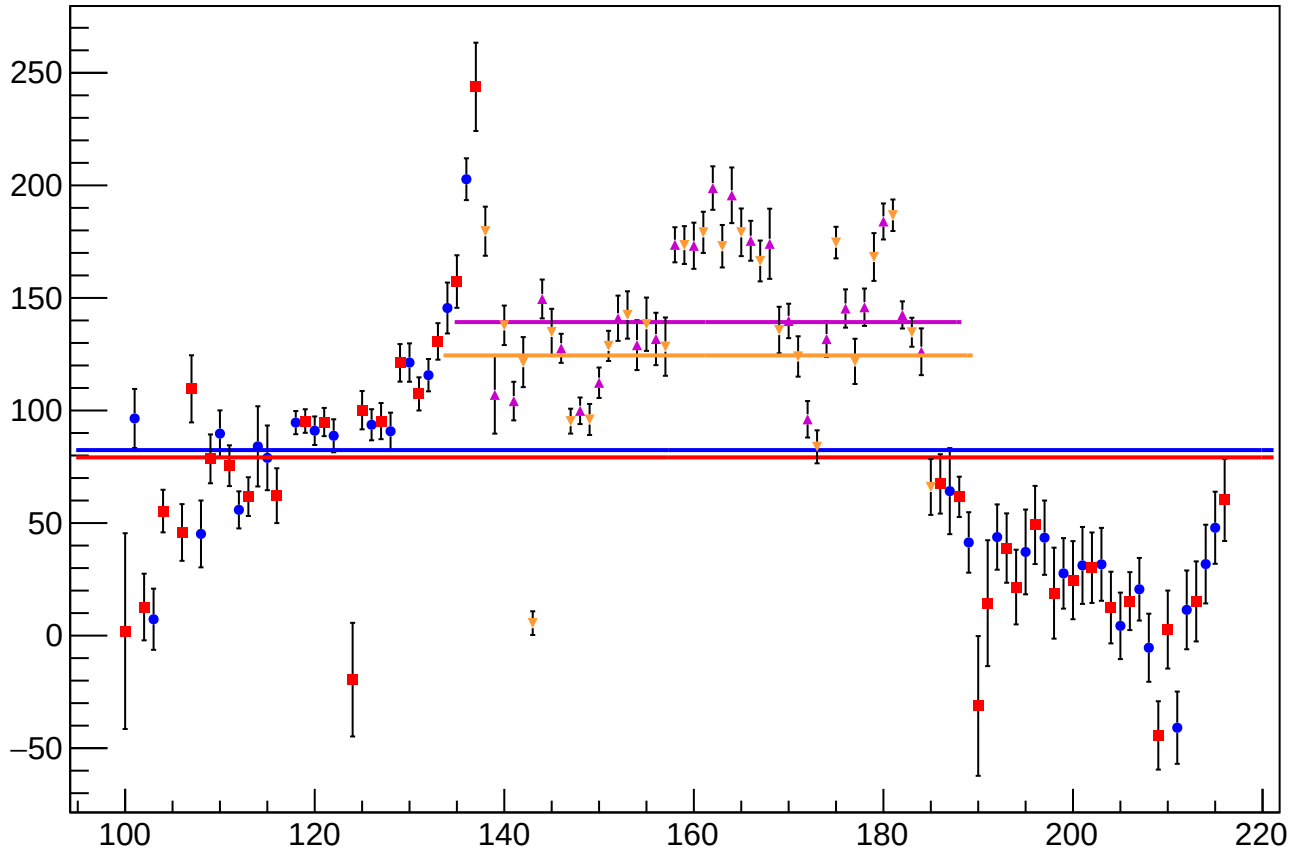
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 364.128+/-1.063 χ^2/NDF: 11466.0/65

In: 369.602+/-1.235 χ^2/NDF:7054.0/53

Out: 360.902+/-1.160 χ^2/NDF:14608.8/59

All: 364.980+/-0.846 χ^2/NDF: 21689.2/113



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: 79.177+/-1.876 χ^2/NDF: 498.8/34

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

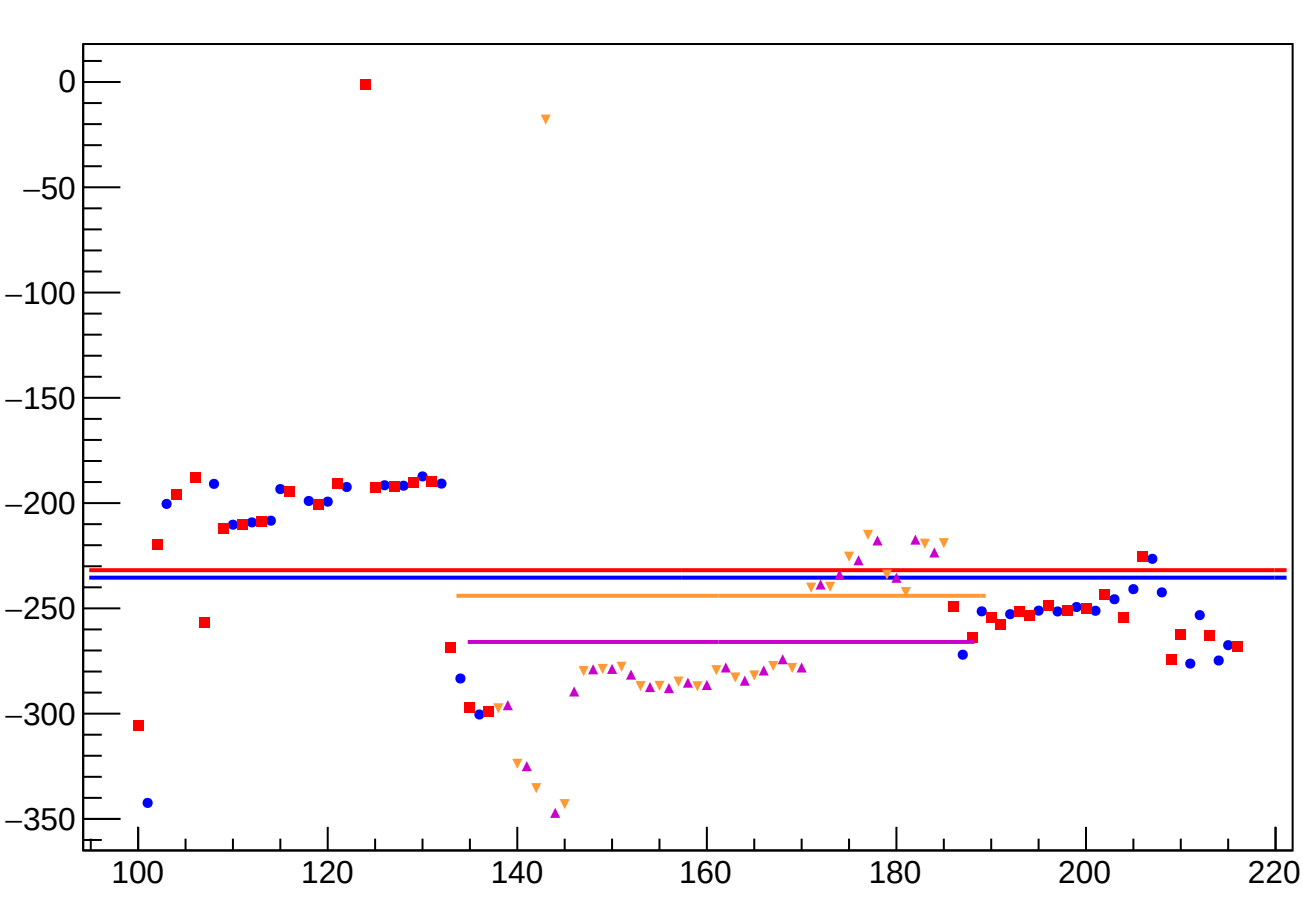
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 80.773+/-1.335 χ^2/NDF: 1032.4/65

In: 112.875+/-1.295 χ^2/NDF:1272.5/53

Out: 104.555+/-1.244 χ^2/NDF:1762.9/59

All: 108.547+/-0.897 χ^2/NDF: 3056.9/113



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: -231.857+/-0.100 χ^2/NDF: 119329.6/34

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

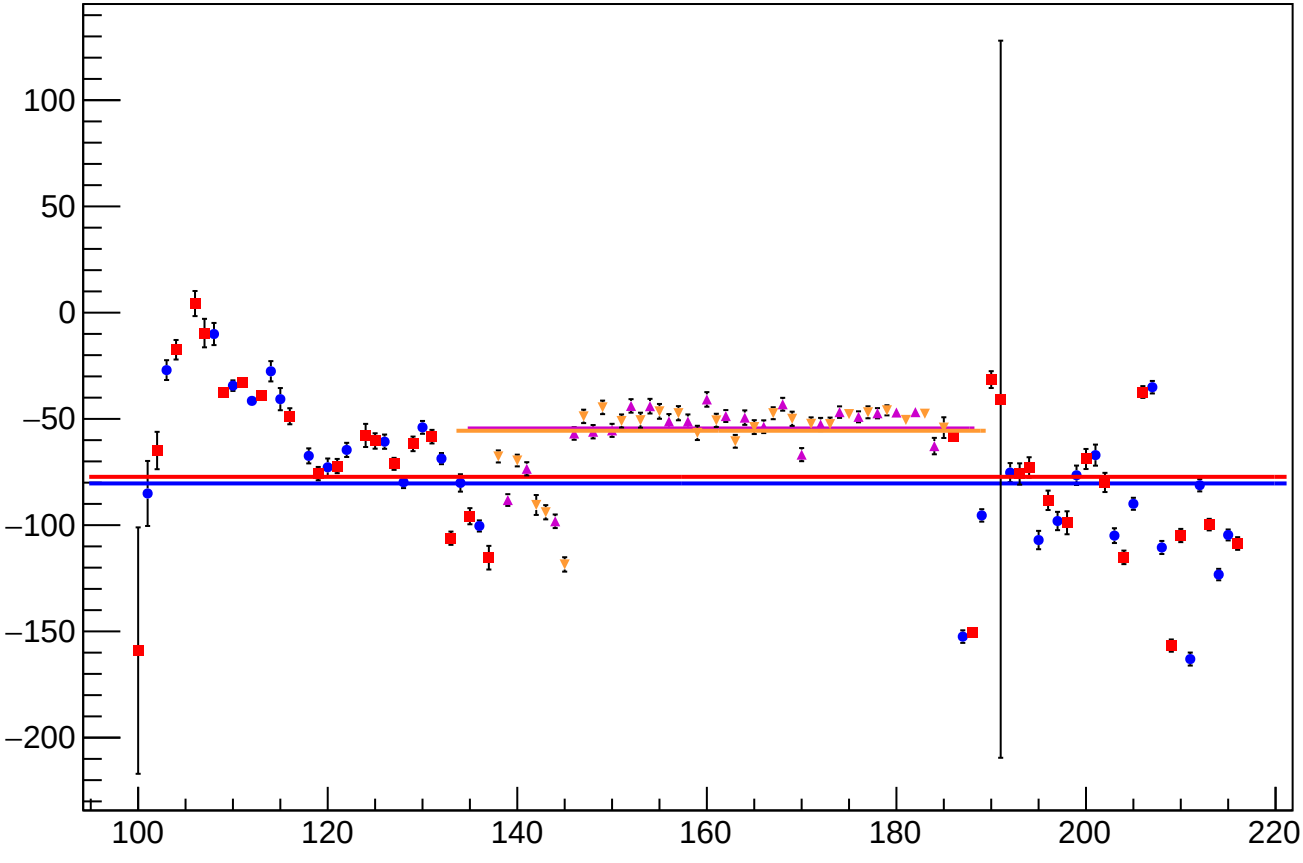
Right: -233.573+/-0.072 χ^2/NDF: 263075.7/65

In: -254.420+/-0.064 χ^2/NDF:367386.0/53

Out: -239.467+/-0.061 χ^2/NDF:1126551.9/59

All: -246.661+/-0.044 χ^2/NDF: 1522692.8/11

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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: -77.266+/-0.552 χ^2/NDF: 5249.0/34

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

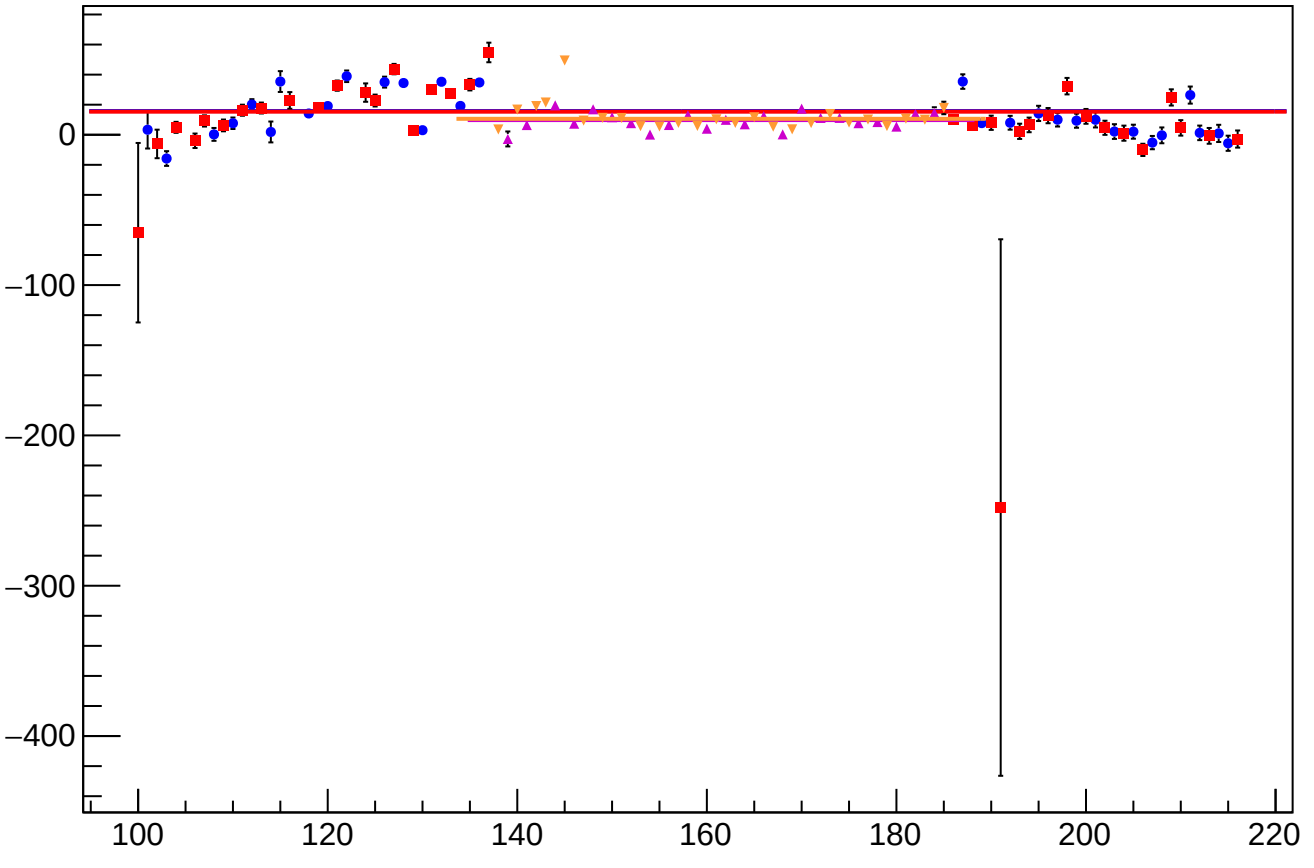
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -78.716+/-0.403 χ^2/NDF: 8801.8/65

In: -67.782+/-0.423 χ^2/NDF:4973.5/53

Out: -67.134+/-0.403 χ^2/NDF:6655.5/59

All: -67.442+/-0.292 χ^2/NDF: 11630.3/113



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: 15.373+/-0.658 χ^2/NDF: 388.9/34

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

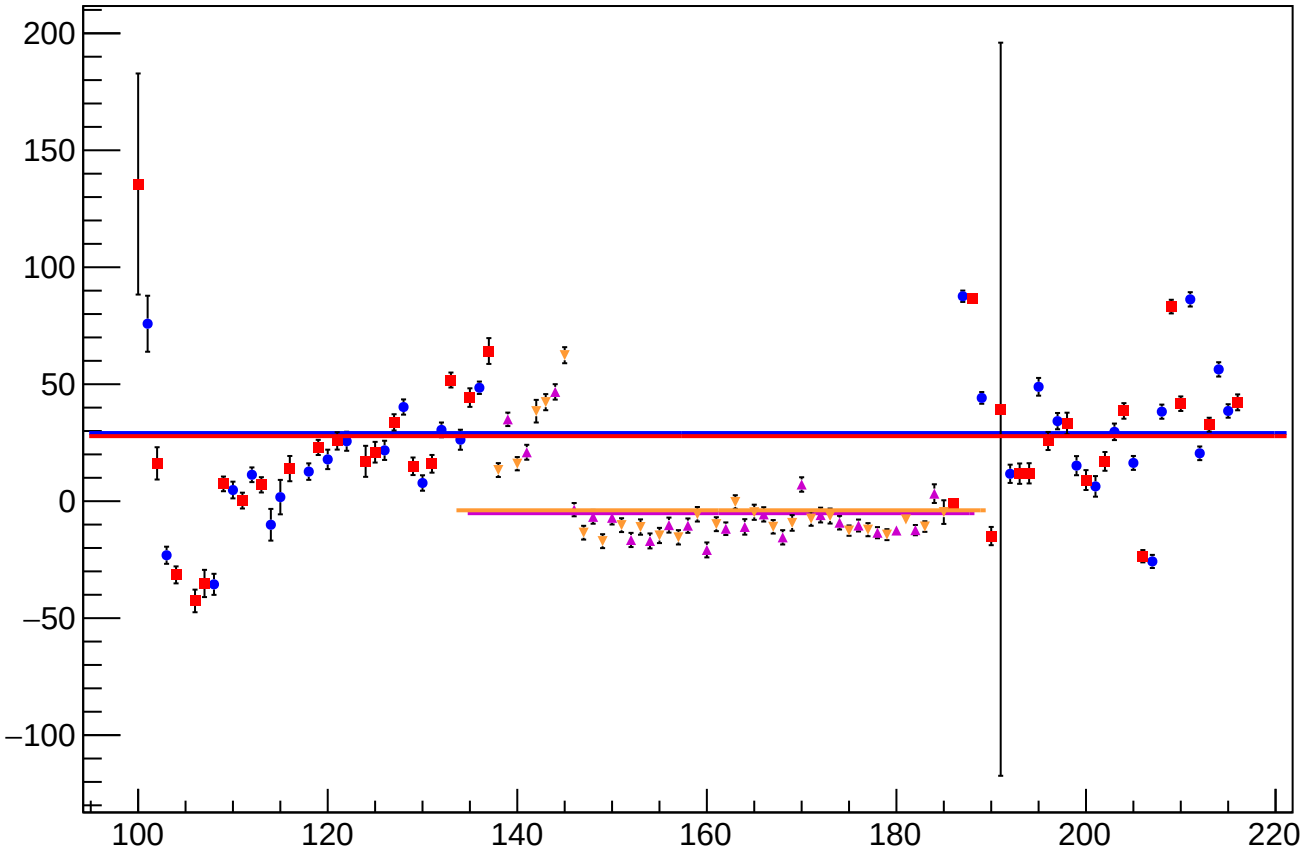
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 15.550+/-0.482 χ^2/NDF: 775.3/65

In: 11.585+/-0.390 χ^2/NDF:557.3/53

Out: 12.119+/-0.371 χ^2/NDF:679.8/59

All: 11.865+/-0.269 χ^2/NDF: 1238.1/113



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: 27.804+/-0.558 χ^2/NDF: 4099.8/34

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

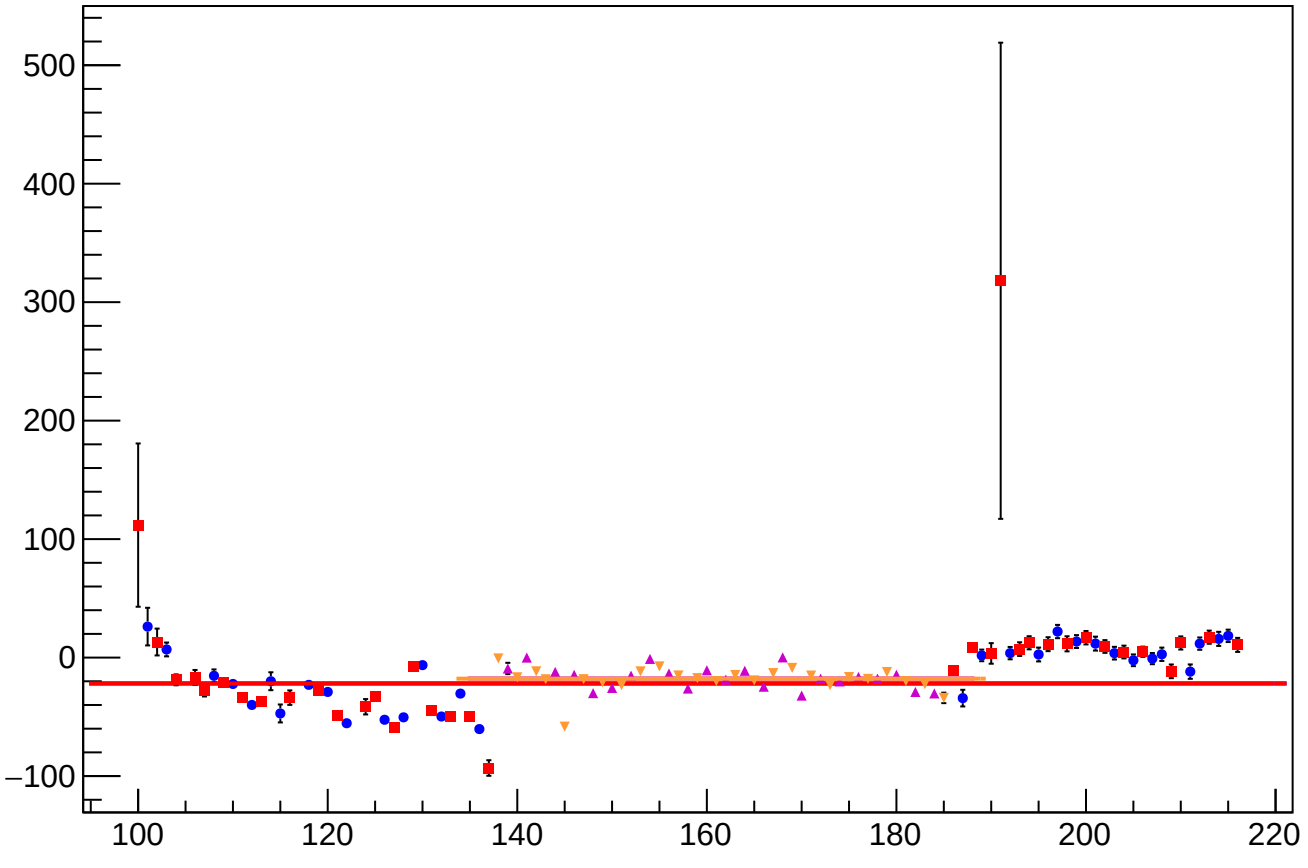
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 28.399+/-0.414 χ^2/NDF: 6353.8/65

In: 11.521+/-0.430 χ^2/NDF:4486.9/53

Out: 12.709+/-0.404 χ^2/NDF:6487.5/59

All: 12.152+/-0.294 χ^2/NDF: 10978.5/113



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: -21.911+/-0.780 χ^2/NDF: 1026.0/34

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

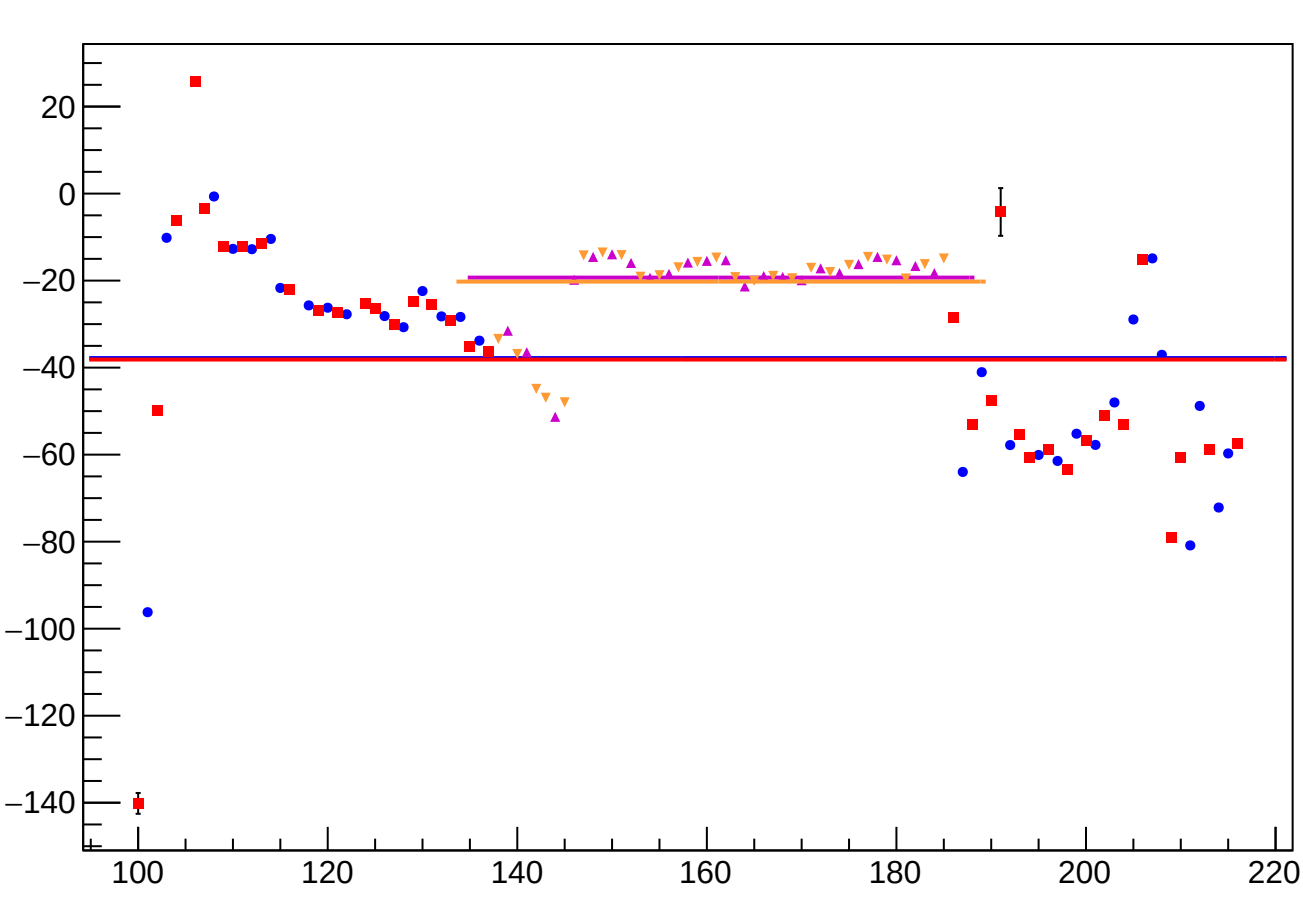
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -21.853+/-0.562 χ^2/NDF: 1971.1/65

In: -18.872+/-0.441 χ^2/NDF:1249.4/53

Out: -19.011+/-0.426 χ^2/NDF:1297.3/59

All: -18.944+/-0.306 χ^2/NDF: 2546.8/113



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: -38.142+/-0.039 χ^2/NDF: 334661.5/34

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

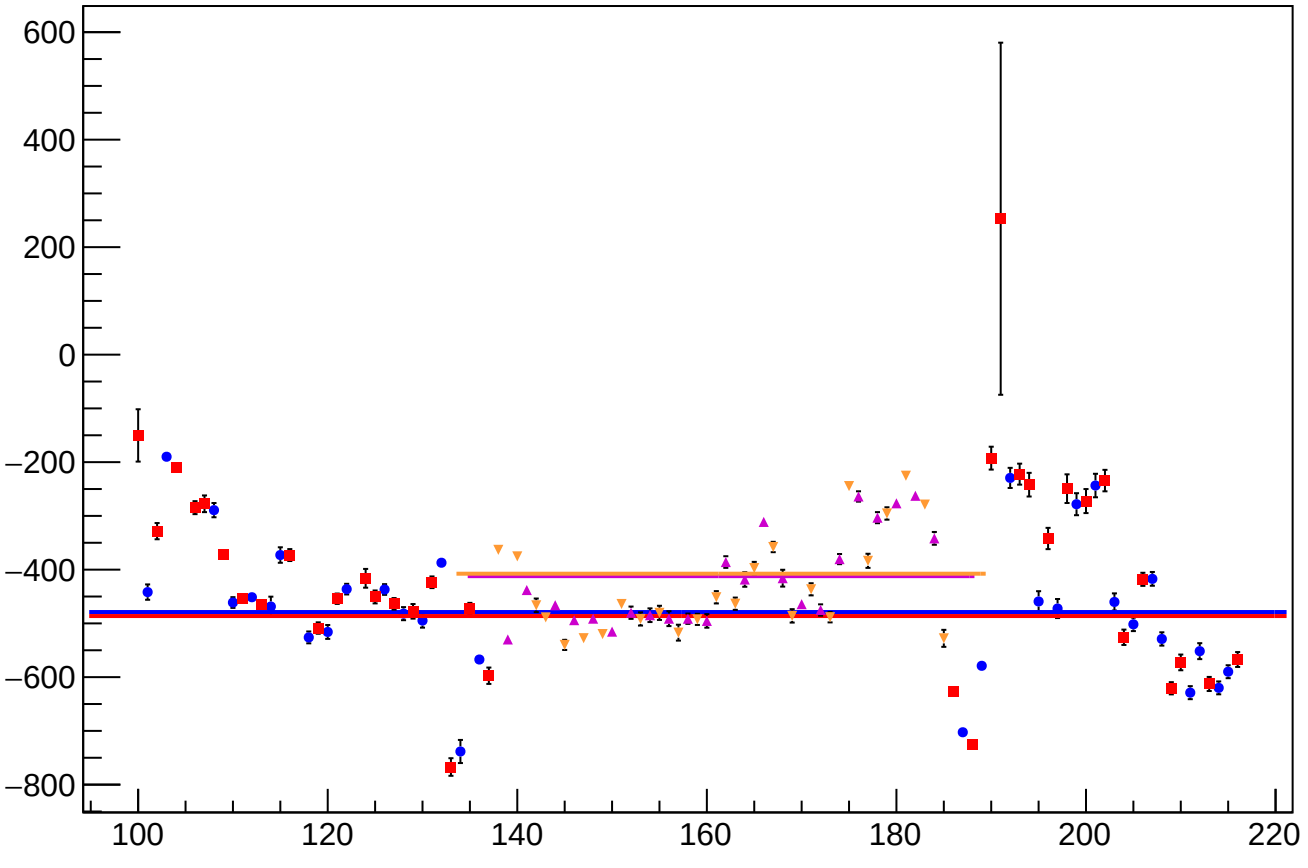
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -37.976+/-0.028 χ^2/NDF: 593298.3/65

In: -24.117+/-0.020 χ^2/NDF:515947.7/53

Out: -24.833+/-0.020 χ^2/NDF:639952.8/59

All: -24.480+/-0.014 χ^2/NDF: 1156549.9/113



Right In: -478.858+/-2.116 χ^2/NDF: 3306.3/30

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -486.327+/-1.938 χ^2/NDF: 6441.4/34

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

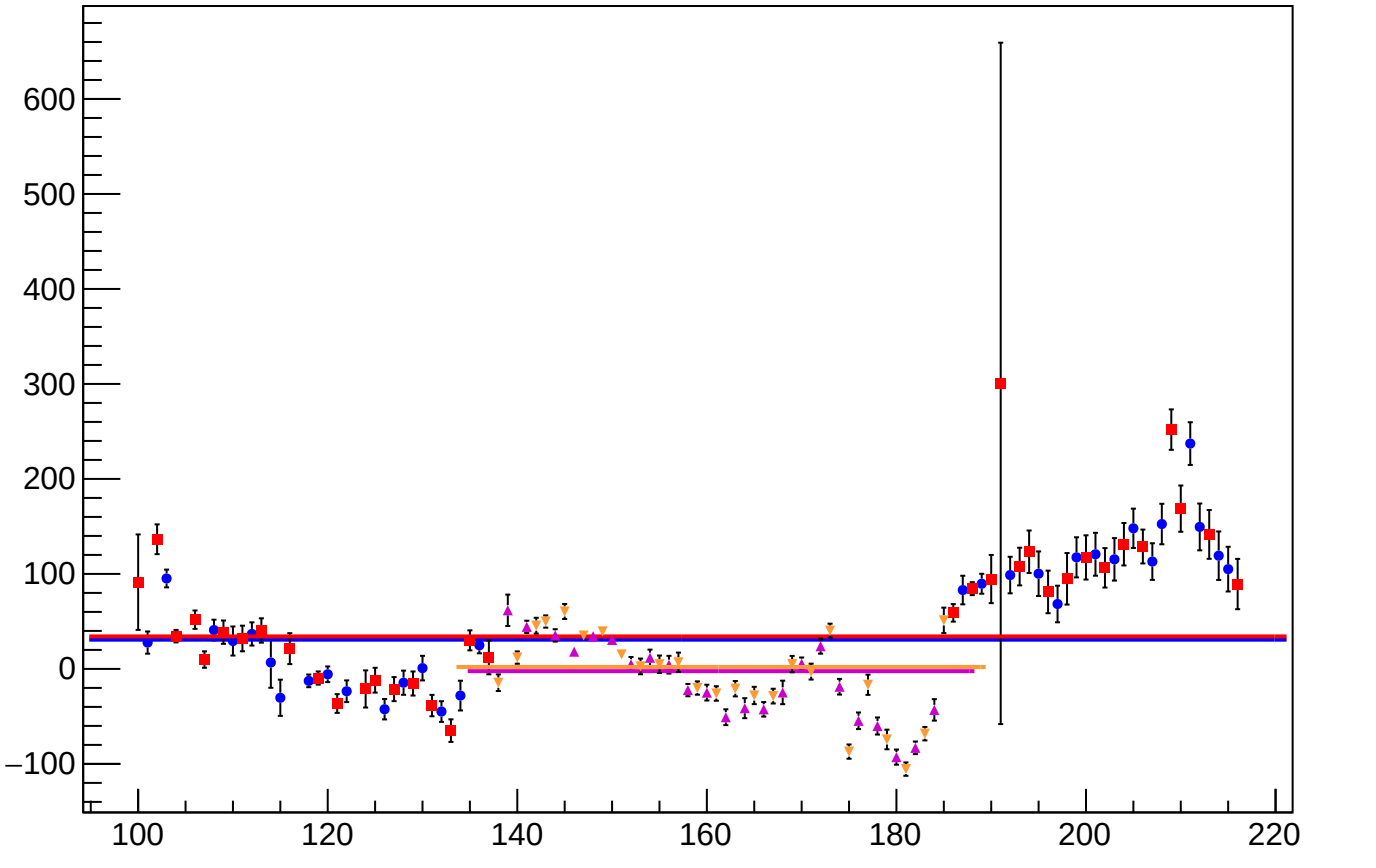
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -482.920+/-1.429 χ^2/NDF: 9754.6/65

In: -443.738+/-1.457 χ^2/NDF:6012.3/53

Out: -447.212+/-1.375 χ^2/NDF:10134.7/59

All: -445.575+/-1.000 χ^2/NDF: 16150.0/113



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: 34.193+/-2.172 χ^2/NDF: 651.1/34

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

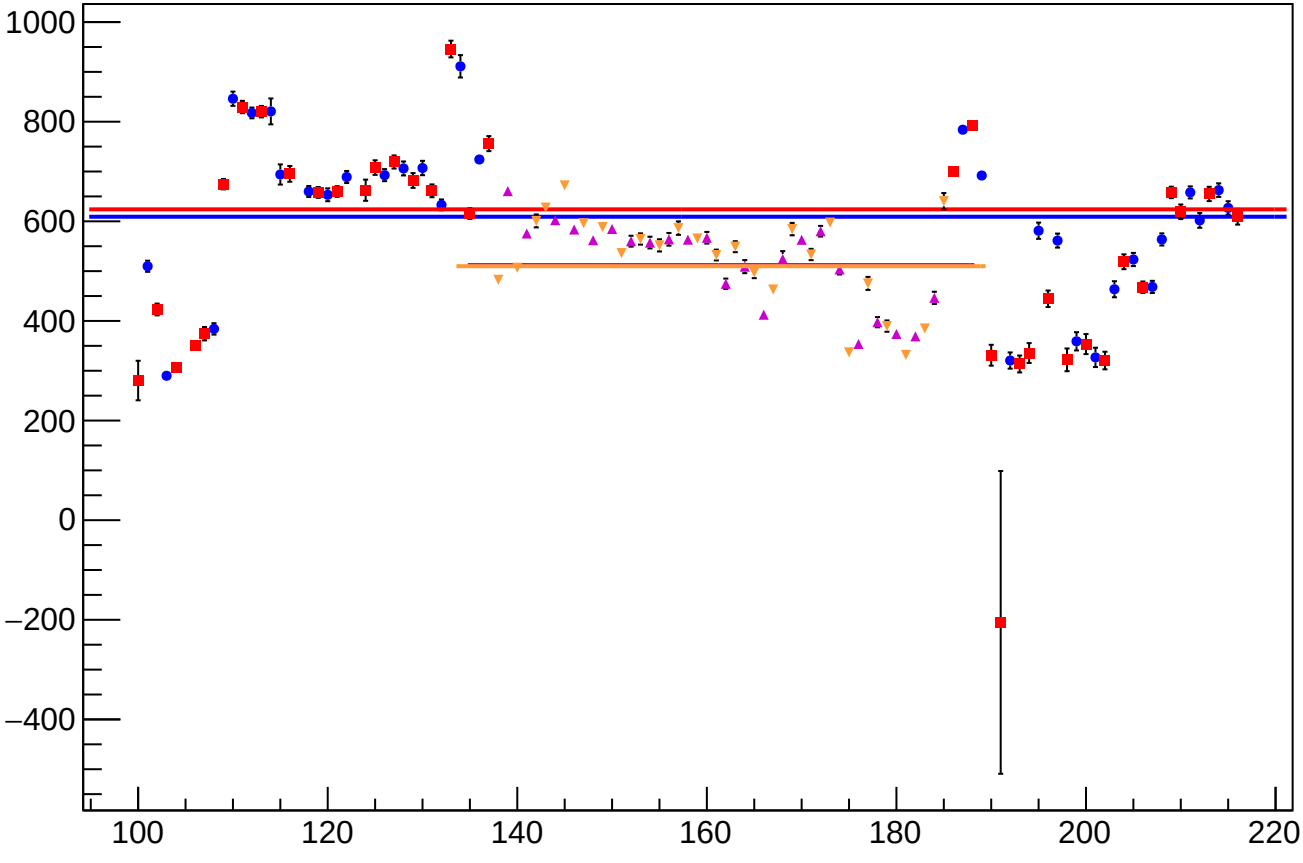
Right: 32.644+/-1.607 χ^2/NDF: 1251.9/65

In: 6.857+/-1.259 χ^2/NDF:1472.1/53

Out: 11.718+/-1.192 χ^2/NDF:1715.0/59

All: 9.421+/-0.866 χ^2/NDF: 3195.0/113

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 624.040+/-1.904 χ^2/NDF: 8821.2/34

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

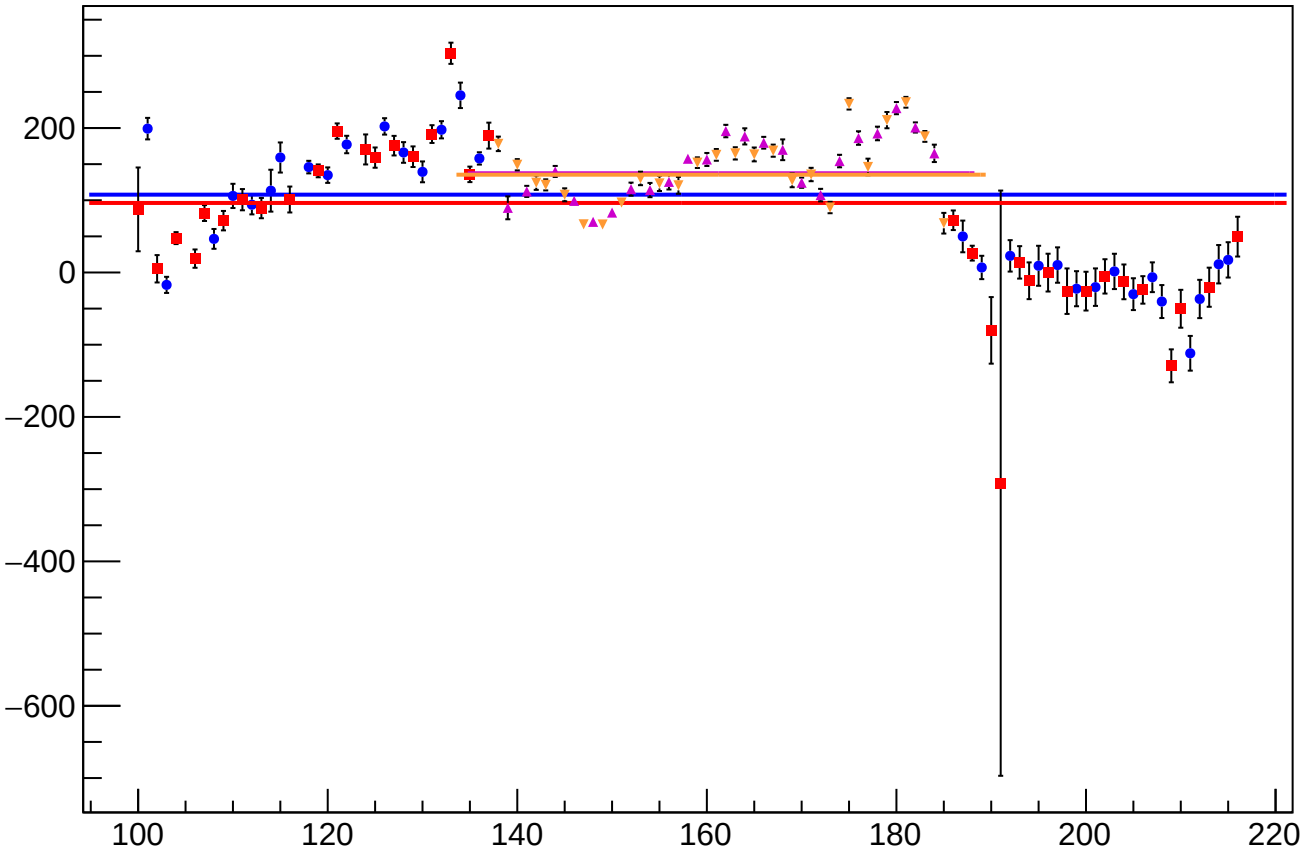
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 617.519+/-1.425 χ^2/NDF: 14410.4/65

In: 556.890+/-1.457 χ^2/NDF:8749.2/53

Out: 567.927+/-1.357 χ^2/NDF:13251.0/59

All: 562.801+/-0.993 χ^2/NDF: 22030.9/113



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: 96.271+/-2.601 χ^2/NDF: 974.0/34

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

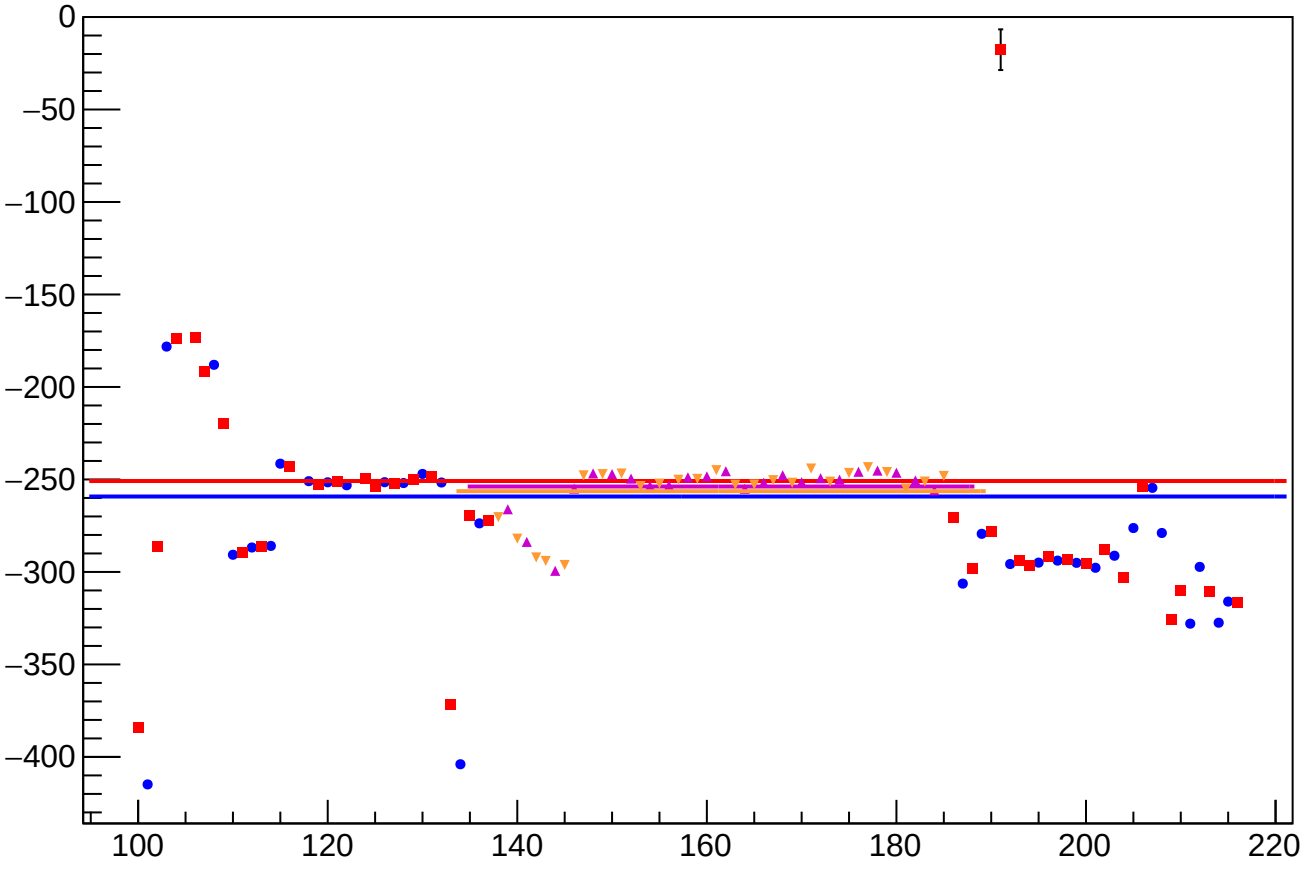
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 101.629+/-1.900 χ^2/NDF: 1888.3/65

In: 129.312+/-1.452 χ^2/NDF:1693.6/53

Out: 124.191+/-1.393 χ^2/NDF:2058.6/59

All: 126.644+/-1.005 χ^2/NDF: 3758.7/113



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: -250.831+/-0.128 χ^2/NDF: 160106.8/34

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

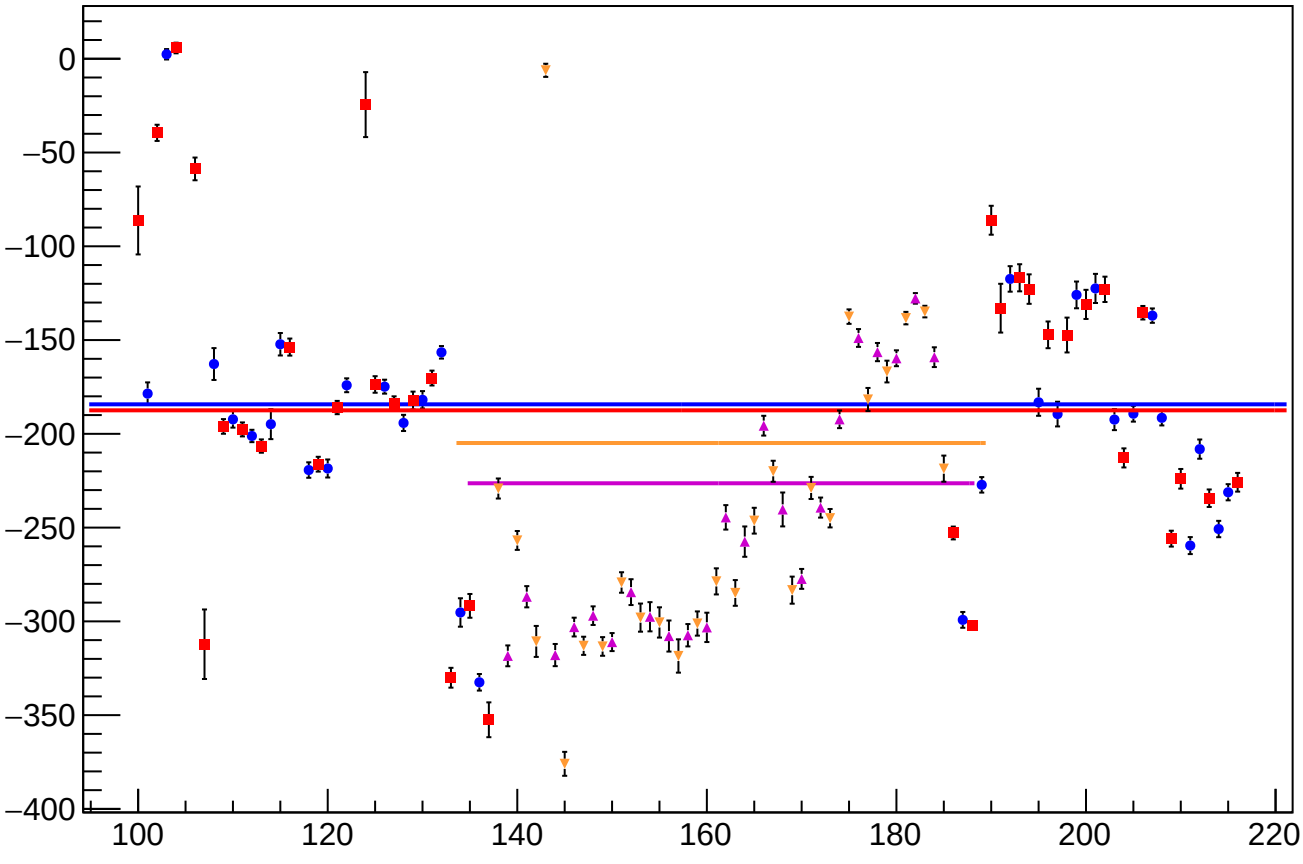
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -254.873+/-0.092 χ^2/NDF: 369955.2/65

In: -255.195+/-0.067 χ^2/NDF:233093.6/53

Out: -254.884+/-0.066 χ^2/NDF:200977.6/59

All: -255.037+/-0.047 χ^2/NDF: 434082.1/113



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: -187.471+/-0.785 χ^2/NDF: 12084.1/34

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

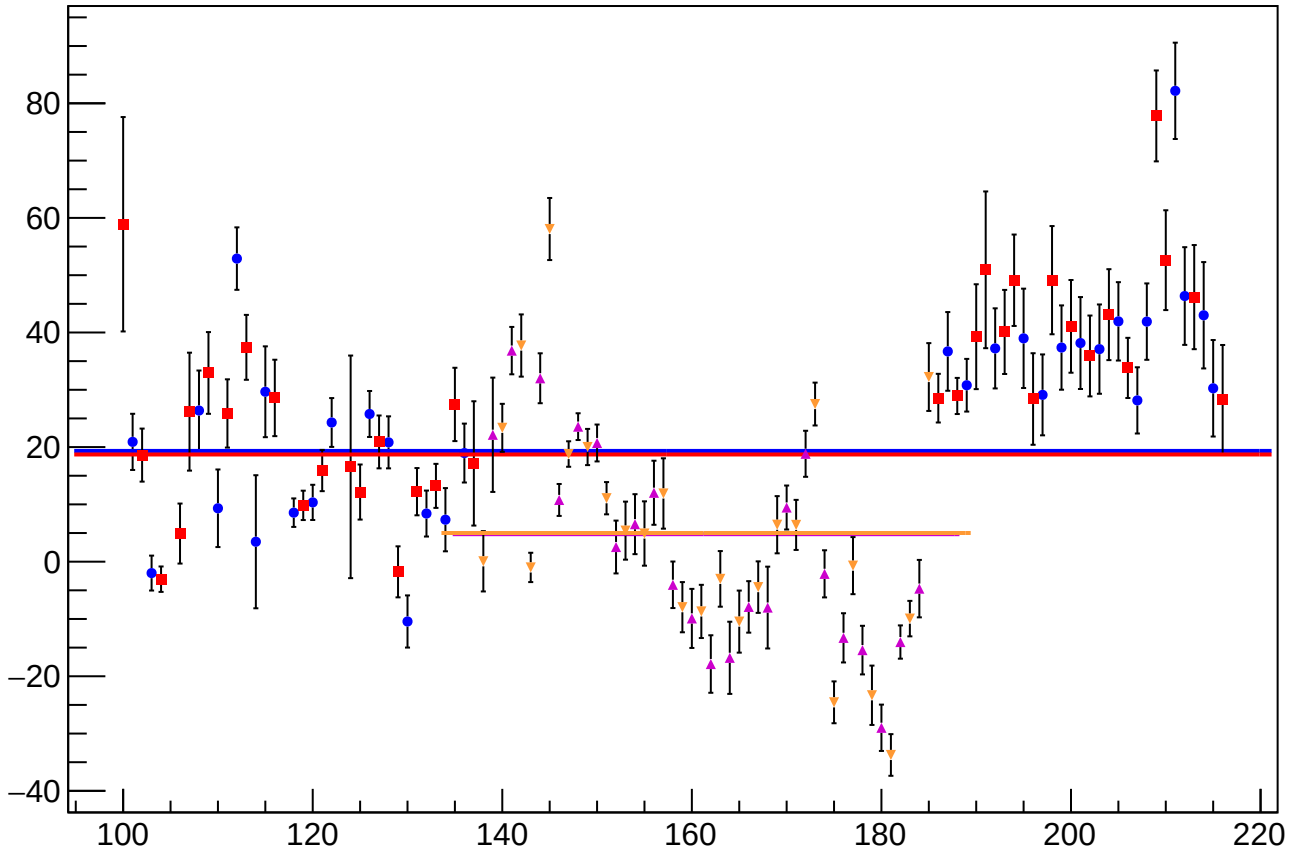
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -185.939+/-0.567 χ^2/NDF: 20103.5/65

In: -199.211+/-0.658 χ^2/NDF:13166.7/53

Out: -193.704+/-0.629 χ^2/NDF:20086.5/59

All: -196.333+/-0.455 χ^2/NDF: 33289.8/113



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: 18.709+/-0.875 χ^2/NDF: 342.6/34

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

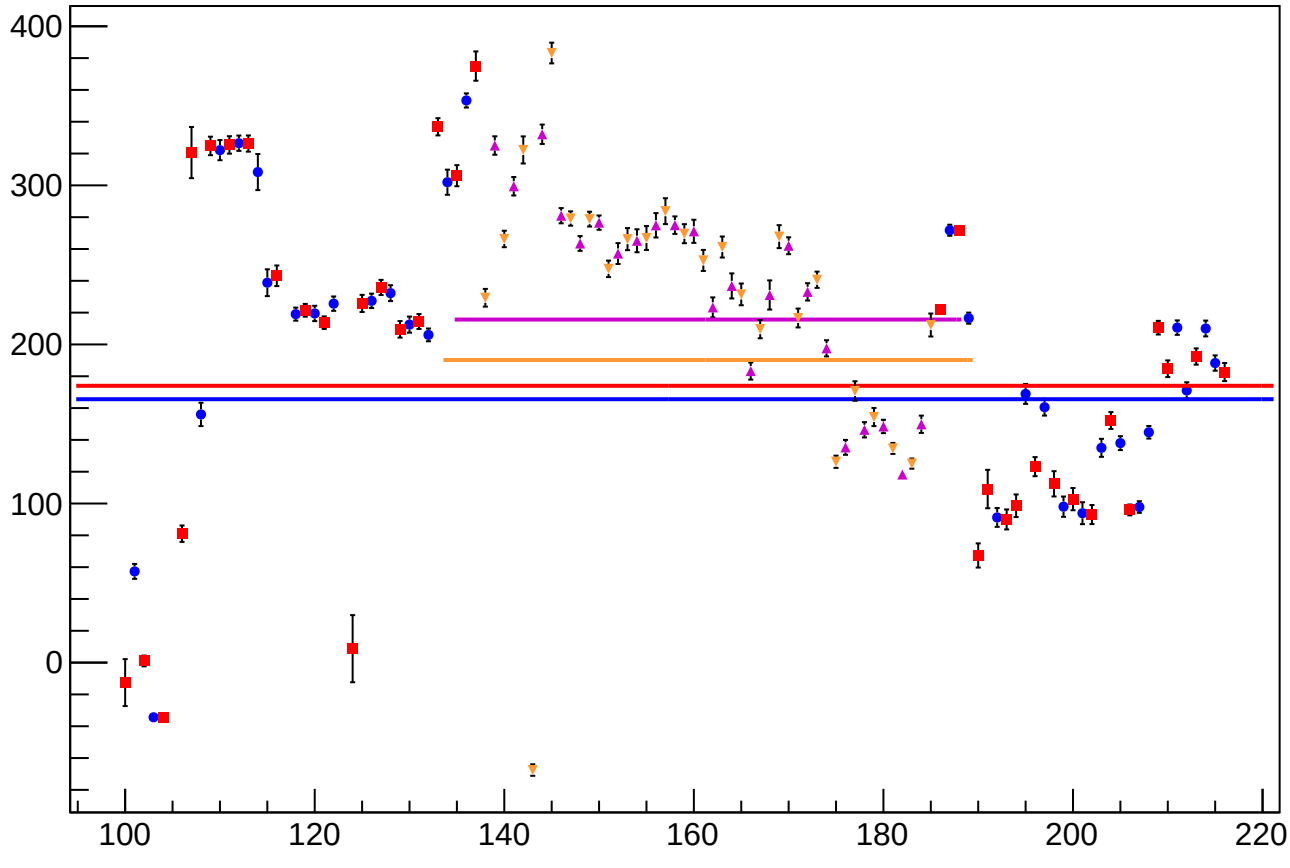
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 19.001+/-0.636 χ^2/NDF: 664.7/65

In: 11.404+/-0.625 χ^2/NDF:882.1/53

Out: 11.190+/-0.588 χ^2/NDF:1025.7/59

All: 11.290+/-0.428 χ^2/NDF: 1907.9/113



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: 174.002+/-0.769 χ^2/NDF: 21466.4/34

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

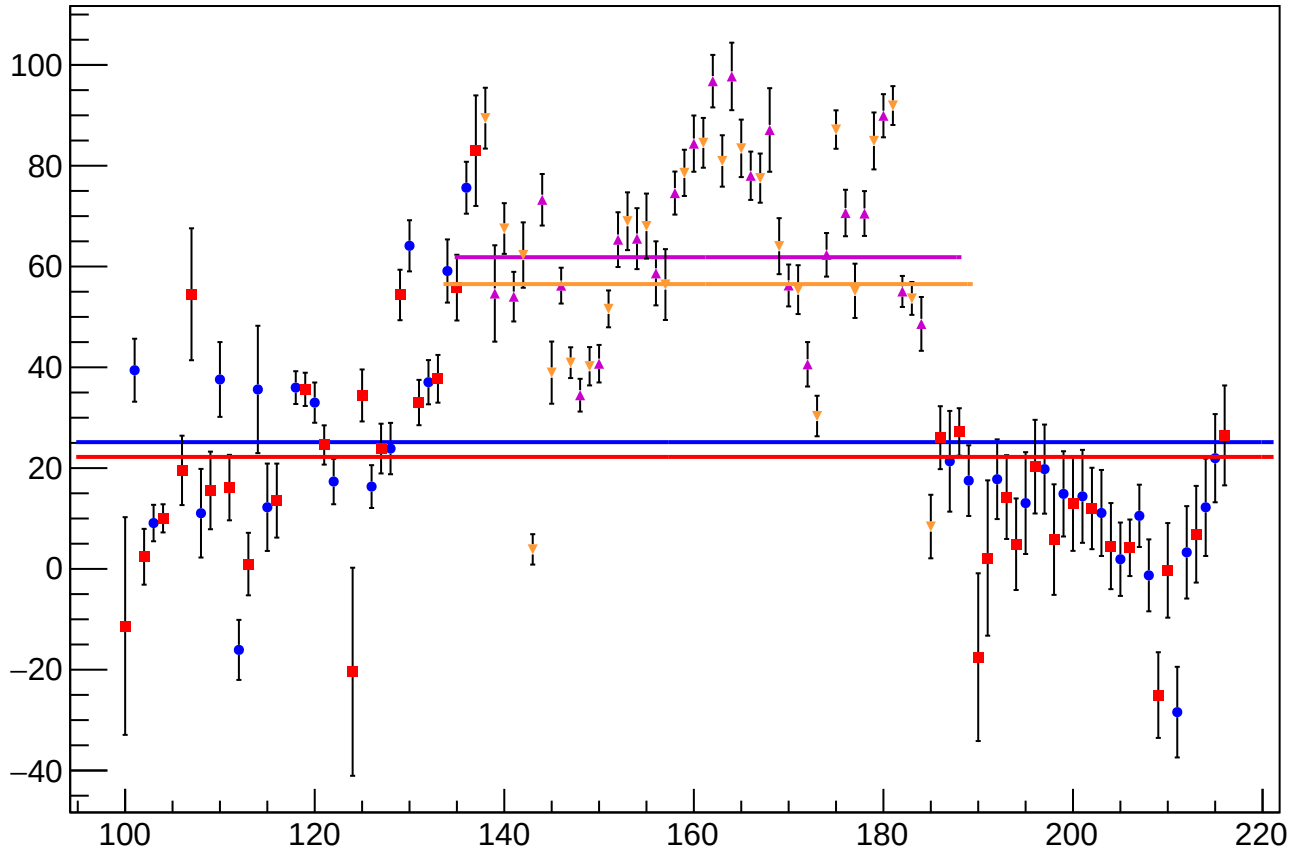
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 170.097+/-0.563 χ^2/NDF: 37665.0/65

In: 183.683+/-0.660 χ^2/NDF:21355.8/53

Out: 179.659+/-0.620 χ^2/NDF:31005.7/59

All: 181.545+/-0.452 χ^2/NDF: 52381.2/113



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: 22.222+/-1.041 χ^2/NDF: 269.3/34

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

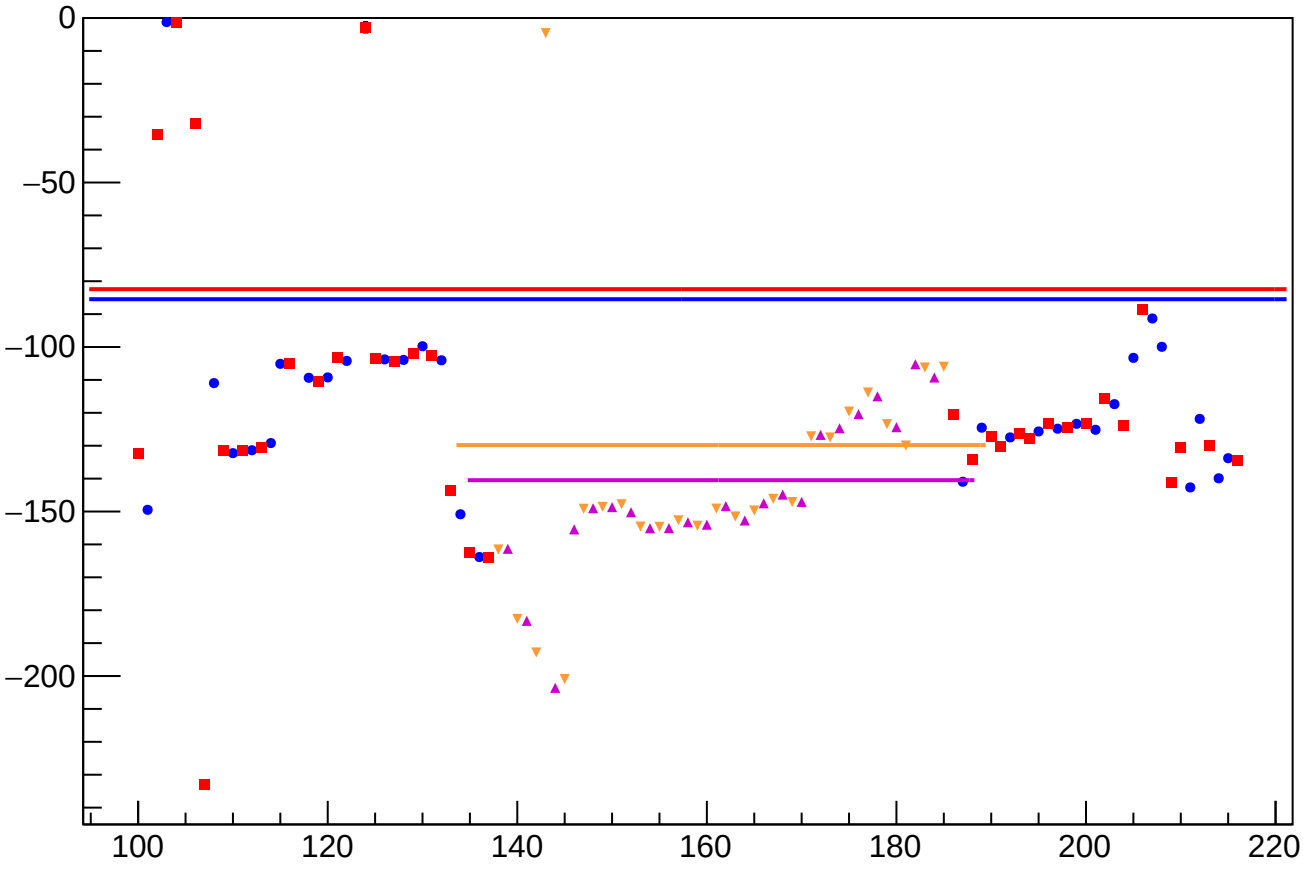
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 23.632+/-0.750 χ^2/NDF: 650.5/65

In: 45.634+/-0.718 χ^2/NDF:1341.8/53

Out: 41.674+/-0.685 χ^2/NDF:1684.1/59

All: 43.559+/-0.496 χ^2/NDF: 3041.8/113



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: -82.418+/-0.049 χ^2/NDF: 1311855.0/34

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

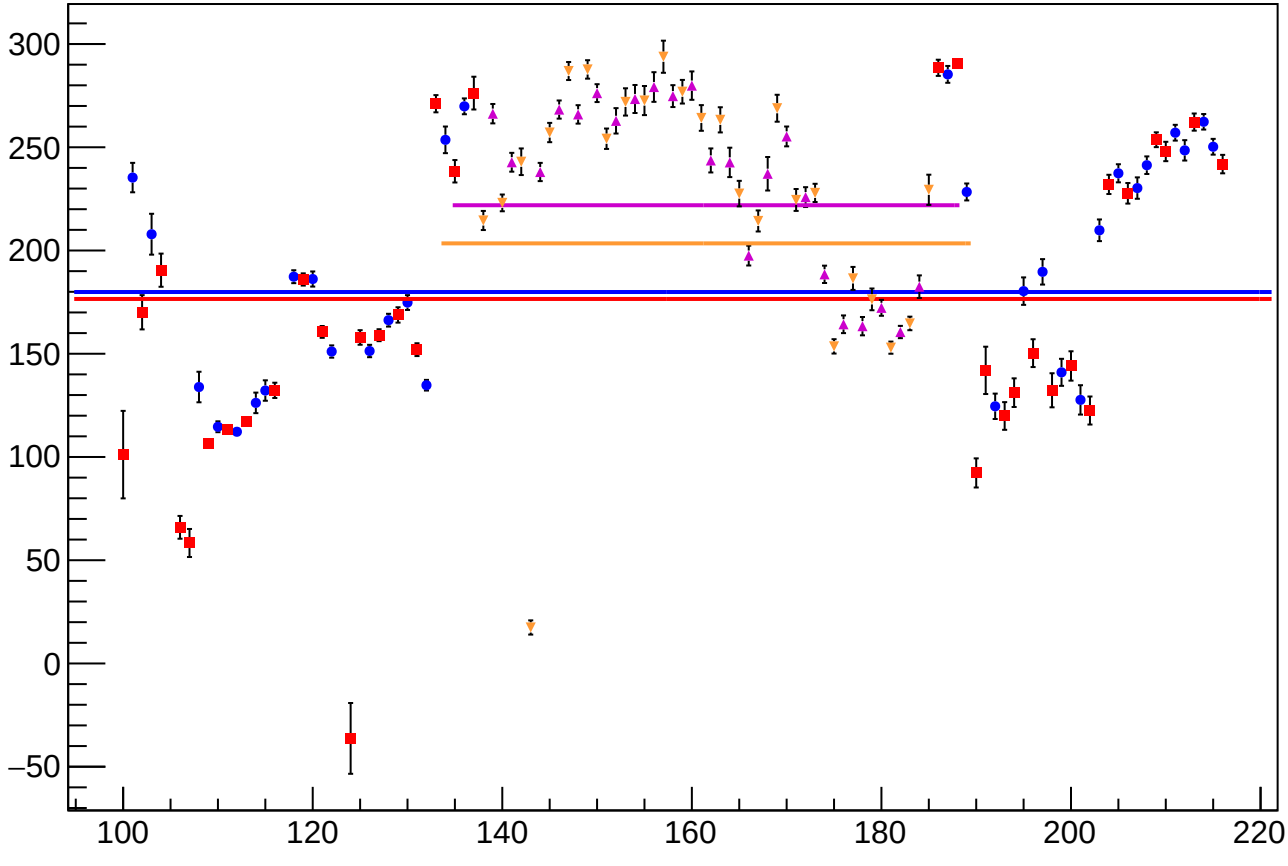
Right: -83.902+/-0.035 χ^2/NDF: 2664688.3/65

In: -116.691+/-0.033 χ^2/NDF:2291694.9/53

Out: -109.483+/-0.032 χ^2/NDF:2878880.3/59

All: -112.972+/-0.023 χ^2/NDF: 5195348.4/11

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 176.535+/-0.673 χ^2/NDF: 9930.3/34

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

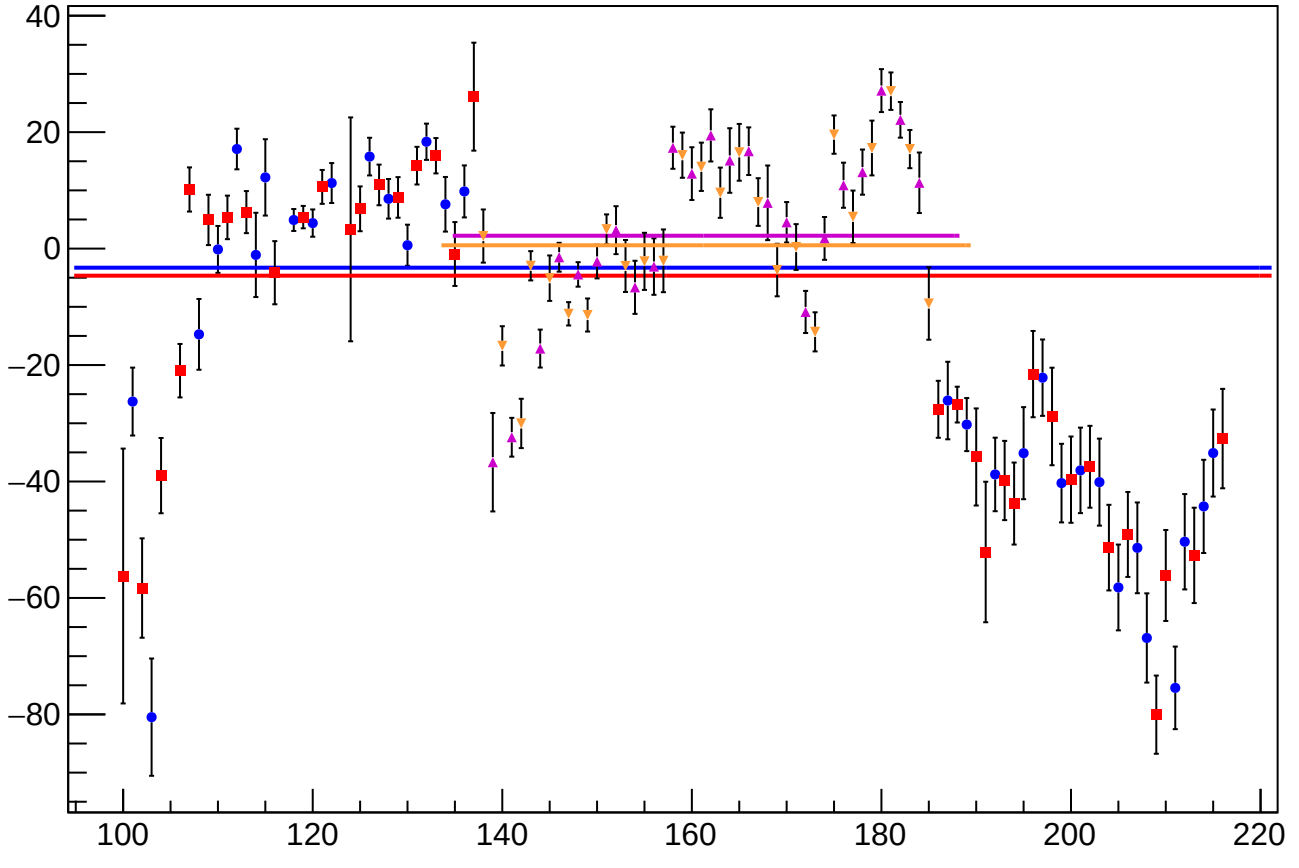
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 178.130+/-0.488 χ^2/NDF: 16011.7/65

In: 193.892+/-0.579 χ^2/NDF:9227.5/53

Out: 185.495+/-0.550 χ^2/NDF:15954.1/59

All: 189.478+/-0.399 χ^2/NDF: 25292.2/113



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: -4.651+/-0.778 χ^2/NDF: 823.2/34

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

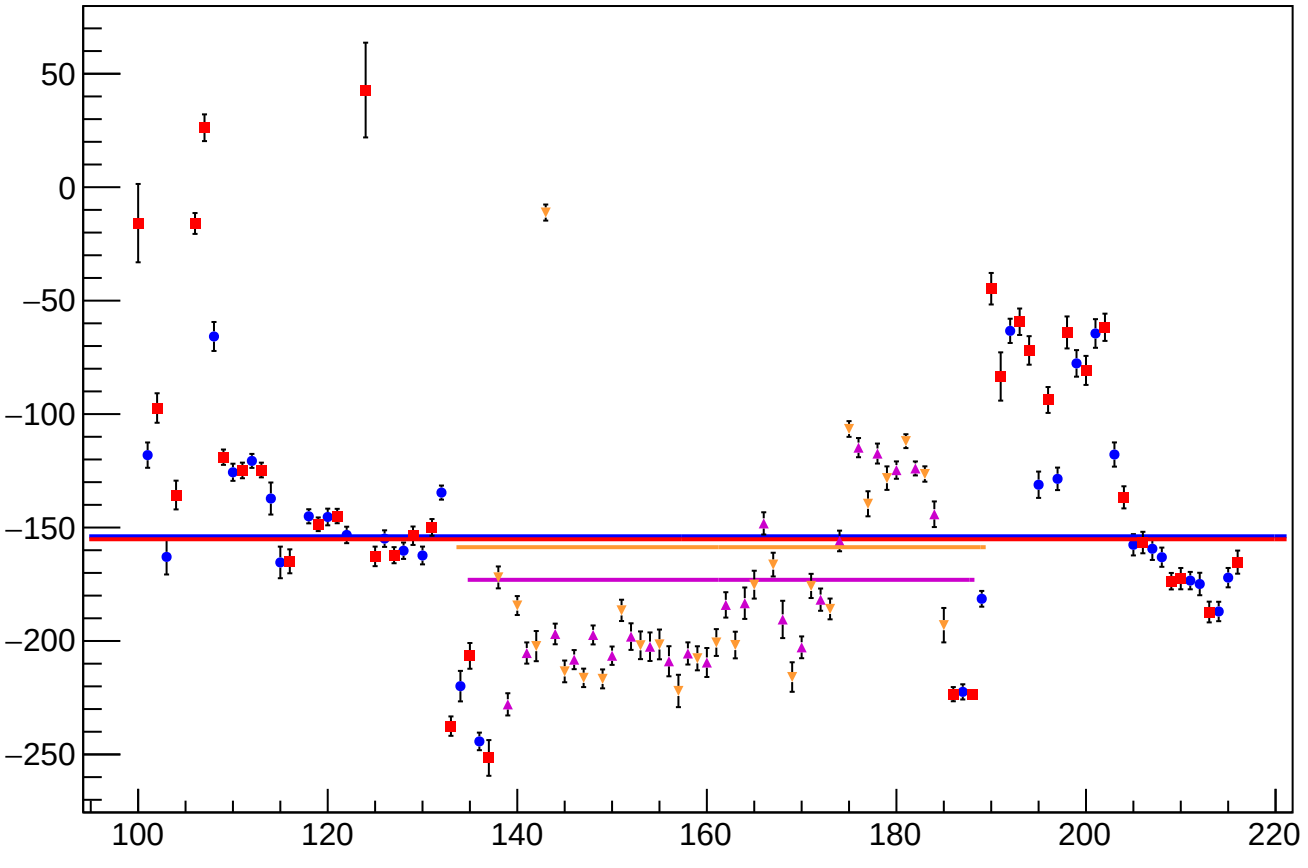
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -3.981+/-0.557 χ^2/NDF: 1624.1/65

In: -0.406+/-0.550 χ^2/NDF:1182.4/53

Out: -1.822+/-0.527 χ^2/NDF:1193.0/59

All: -1.145+/-0.380 χ^2/NDF: 2378.9/113



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: -155.168+/-0.722 χ^2/NDF: 6517.2/34

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

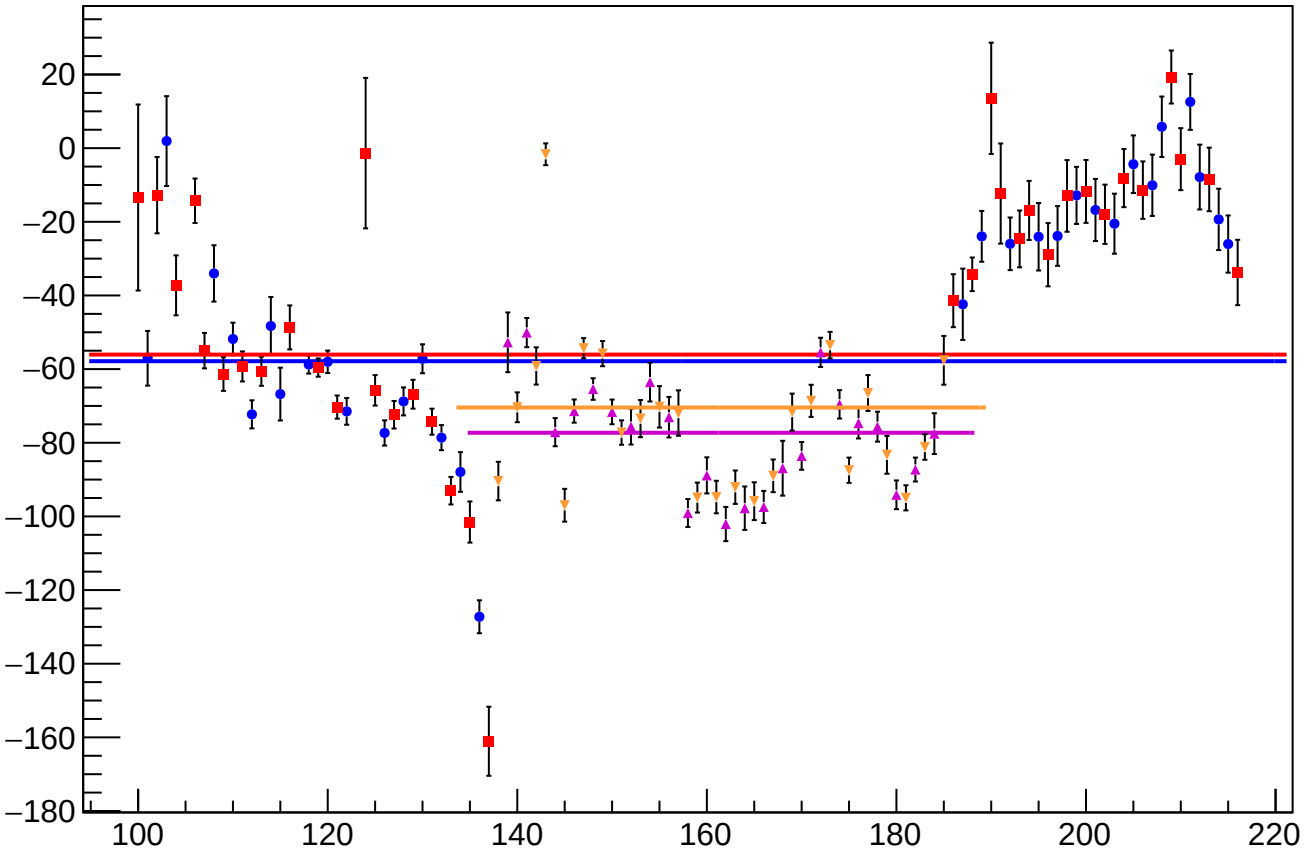
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -154.556+/-0.527 χ^2/NDF: 8986.7/65

In: -161.060+/-0.610 χ^2/NDF:4099.8/53

Out: -156.444+/-0.575 χ^2/NDF:10017.5/59

All: -158.615+/-0.418 χ^2/NDF: 14147.7/113



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: -56.064+/-0.910 χ^2/NDF: 889.7/34

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

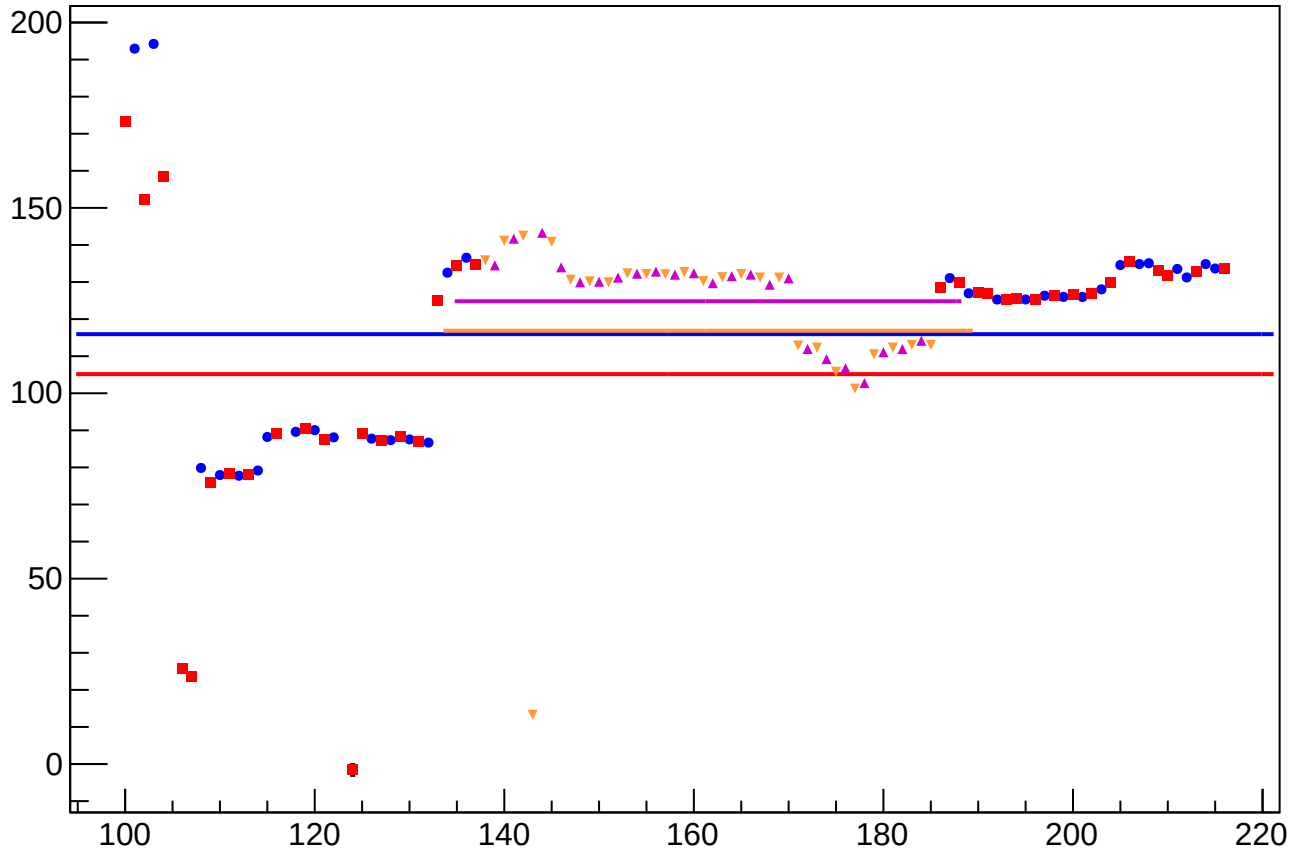
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -56.941+/-0.649 χ^2/NDF: 1761.2/65

In: -68.215+/-0.632 χ^2/NDF:1359.2/53

Out: -63.977+/-0.610 χ^2/NDF:1928.7/59

All: -66.019+/-0.439 χ^2/NDF: 3311.1/113



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: 105.164+/-0.050 χ^2/NDF: 541041.4/34

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

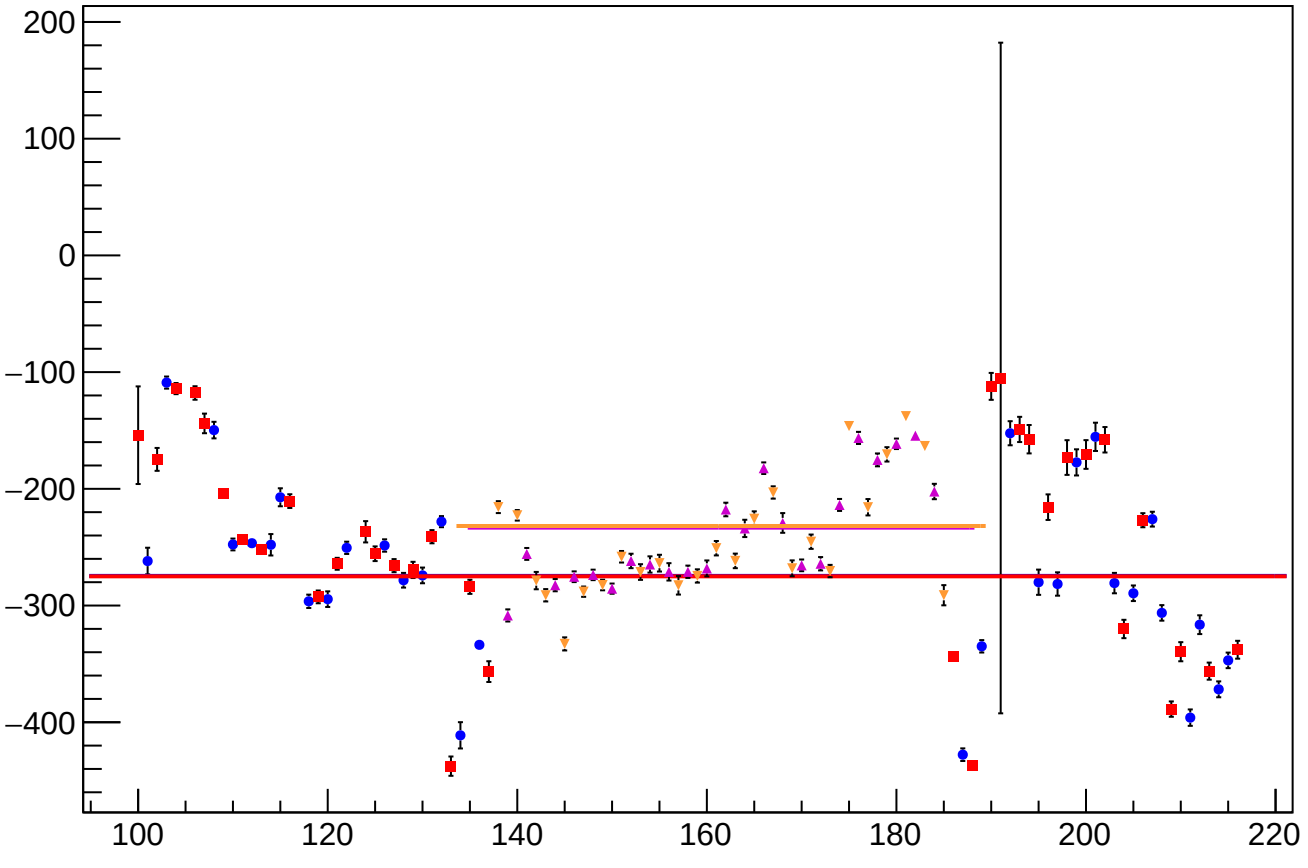
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 110.215+/-0.036 χ^2/NDF: 852695.1/65

In: 121.647+/-0.032 χ^2/NDF:395739.1/53

Out: 112.522+/-0.030 χ^2/NDF:1199335.6/59

All: 116.888+/-0.022 χ^2/NDF: 1638769.9/113



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: -274.976+/-1.047 χ^2/NDF: 8106.0/34

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

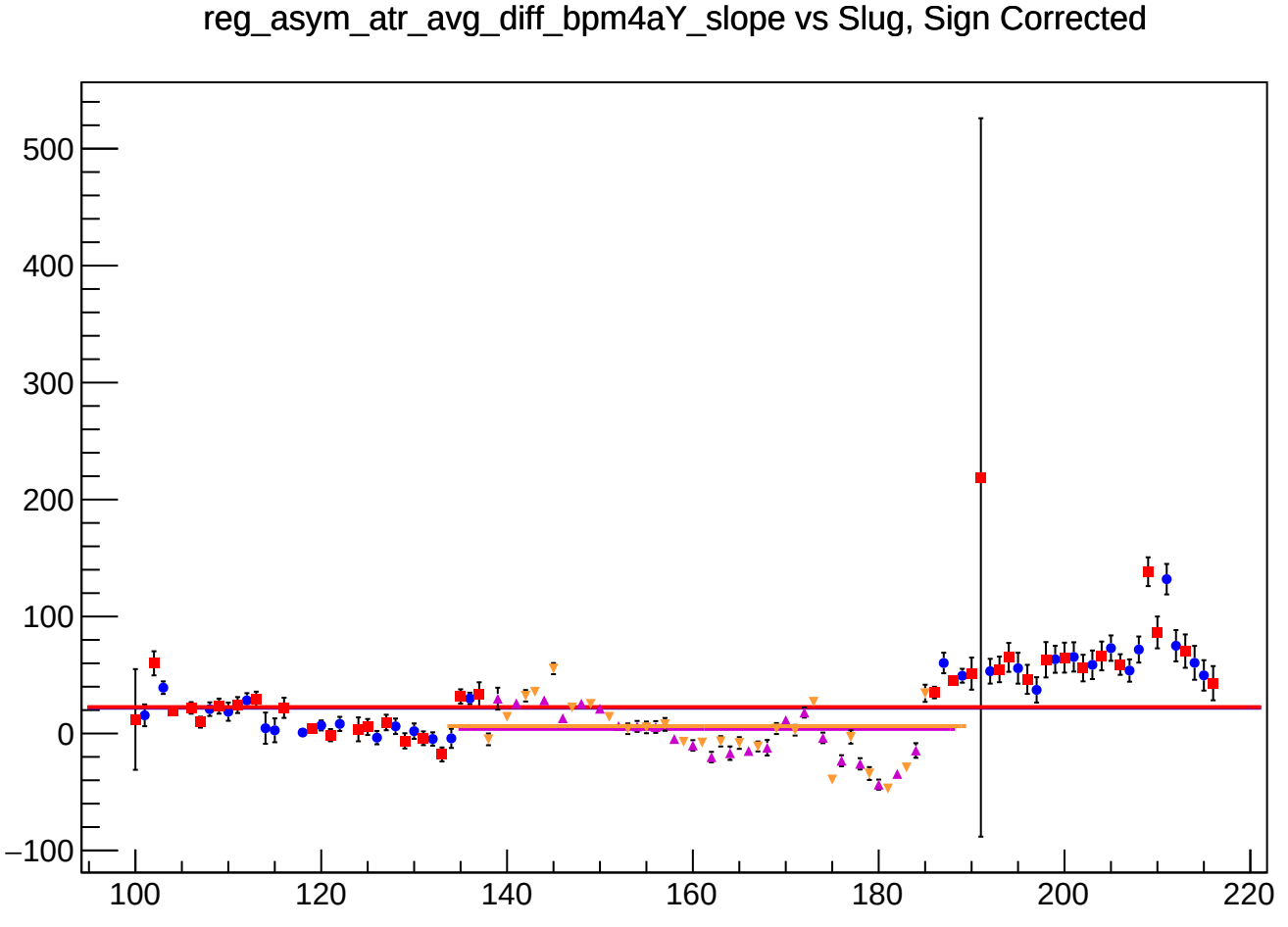
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -274.805+/-0.774 χ^2/NDF: 12092.4/65

In: -253.181+/-0.797 χ^2/NDF:6724.7/53

Out: -254.078+/-0.752 χ^2/NDF:11604.4/59

All: -253.656+/-0.547 χ^2/NDF: 18329.8/113



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: 22.572+/-1.175 χ^2/NDF: 421.2/34

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

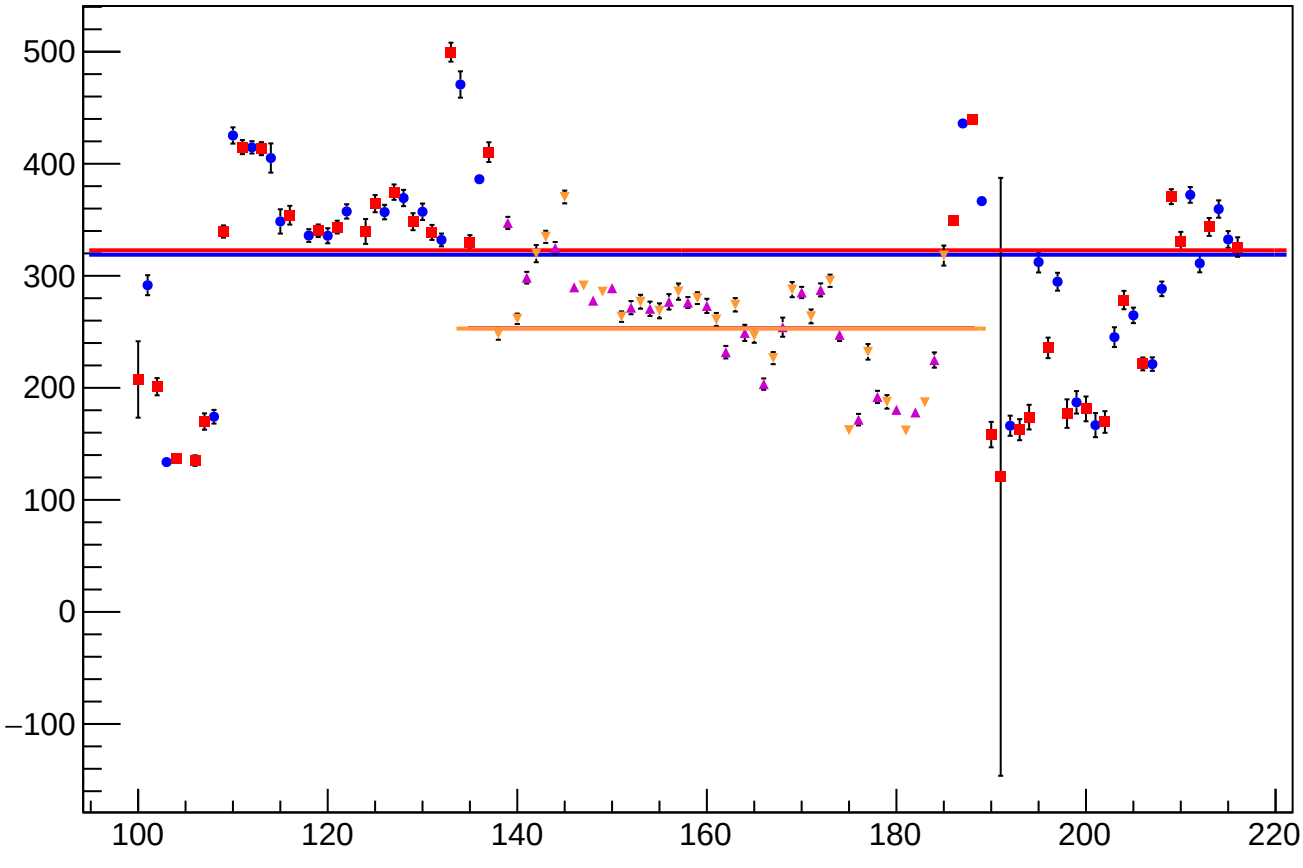
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 22.336+/-0.870 χ^2/NDF: 806.1/65

In: 9.087+/-0.692 χ^2/NDF:1175.6/53

Out: 11.348+/-0.655 χ^2/NDF:1425.0/59

All: 10.279+/-0.476 χ^2/NDF: 2606.2/113



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: 322.764+/-1.046 χ^2/NDF: 10153.6/34

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

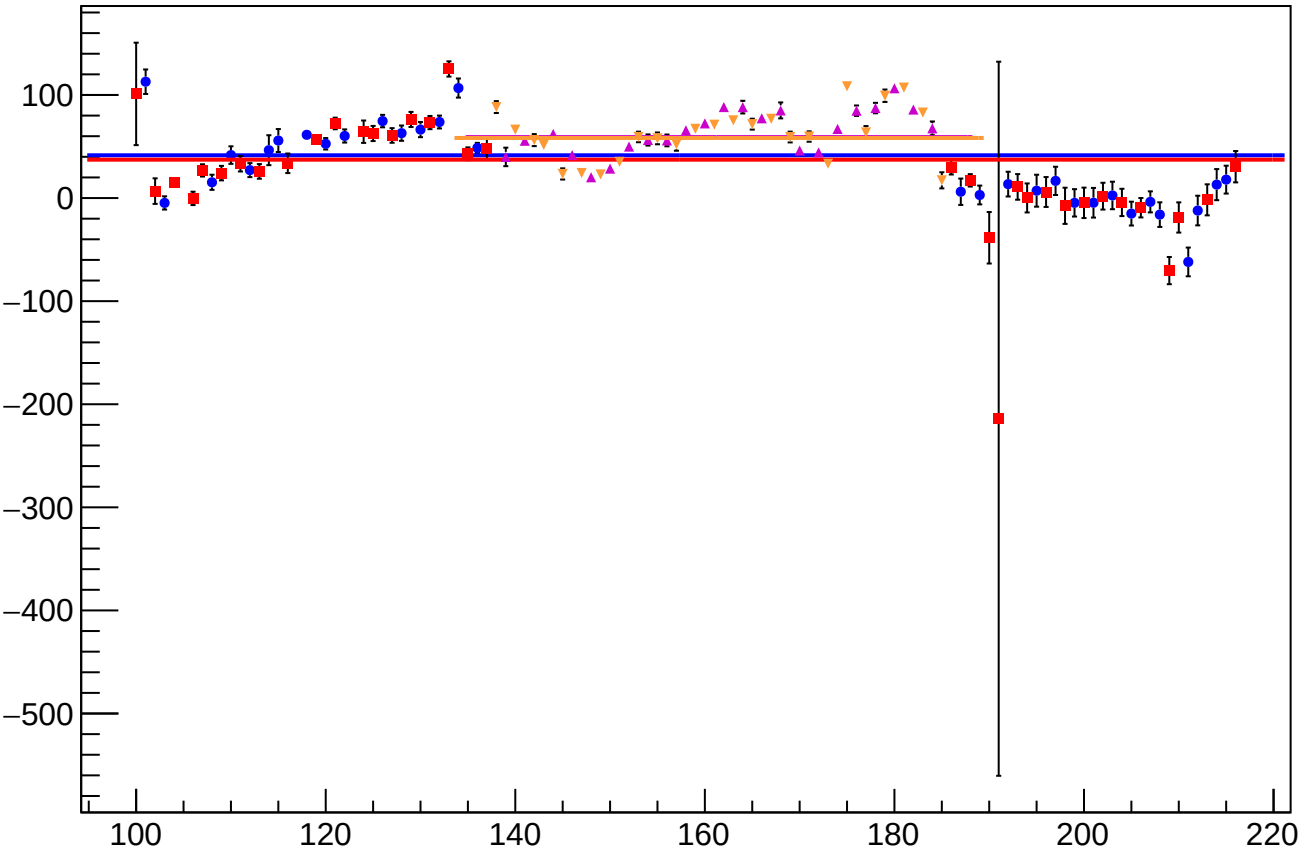
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 321.035+/-0.784 χ^2/NDF: 15937.5/65

In: 283.391+/-0.804 χ^2/NDF:9490.5/53

Out: 288.625+/-0.748 χ^2/NDF:14912.1/59

All: 286.195+/-0.548 χ^2/NDF: 24425.3/113



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: 37.242+/-1.403 χ^2/NDF: 542.9/34

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

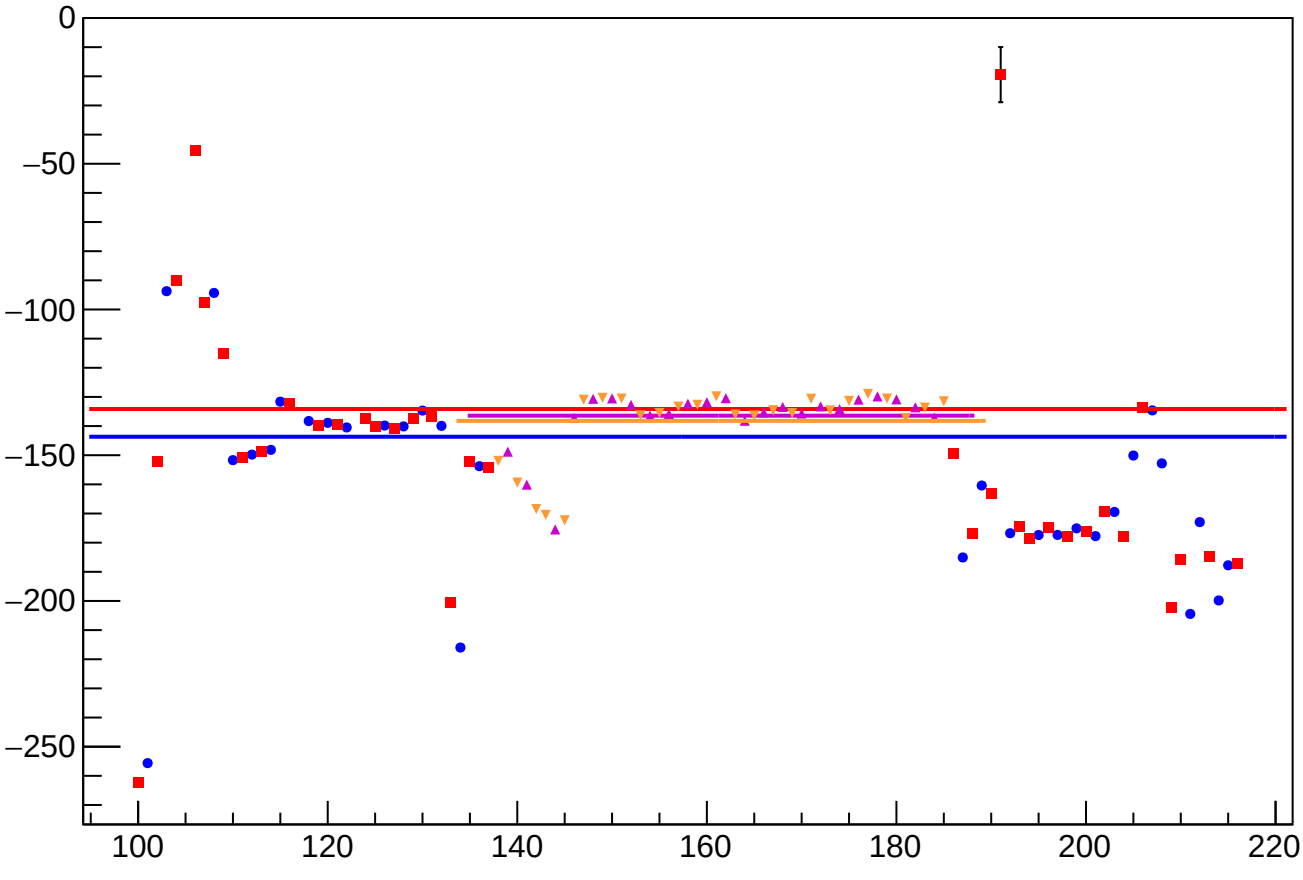
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 39.218+/-1.026 χ^2/NDF: 1026.5/65

In: 54.211+/-0.796 χ^2/NDF:1210.8/53

Out: 52.052+/-0.764 χ^2/NDF:1551.7/59

All: 53.088+/-0.551 χ^2/NDF: 2766.3/113



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: -134.145+/-0.070 χ^2/NDF: 360466.6/34

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

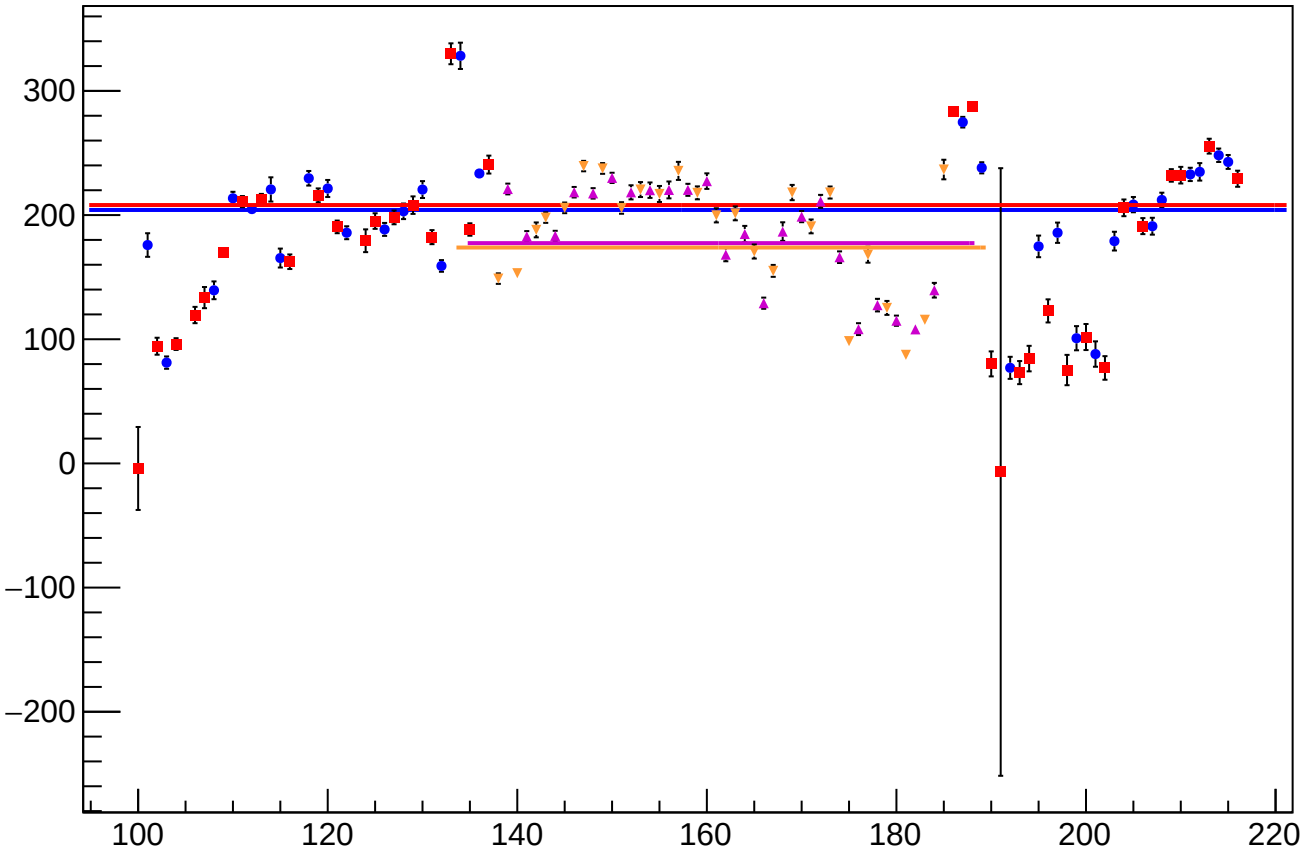
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -138.658+/-0.051 χ^2/NDF: 624692.0/65

In: -138.256+/-0.037 χ^2/NDF:312451.6/53

Out: -137.121+/-0.036 χ^2/NDF:444767.0/59

All: -137.677+/-0.026 χ^2/NDF: 757696.3/113



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: 208.076+/-0.970 χ^2/NDF: 4318.0/34

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

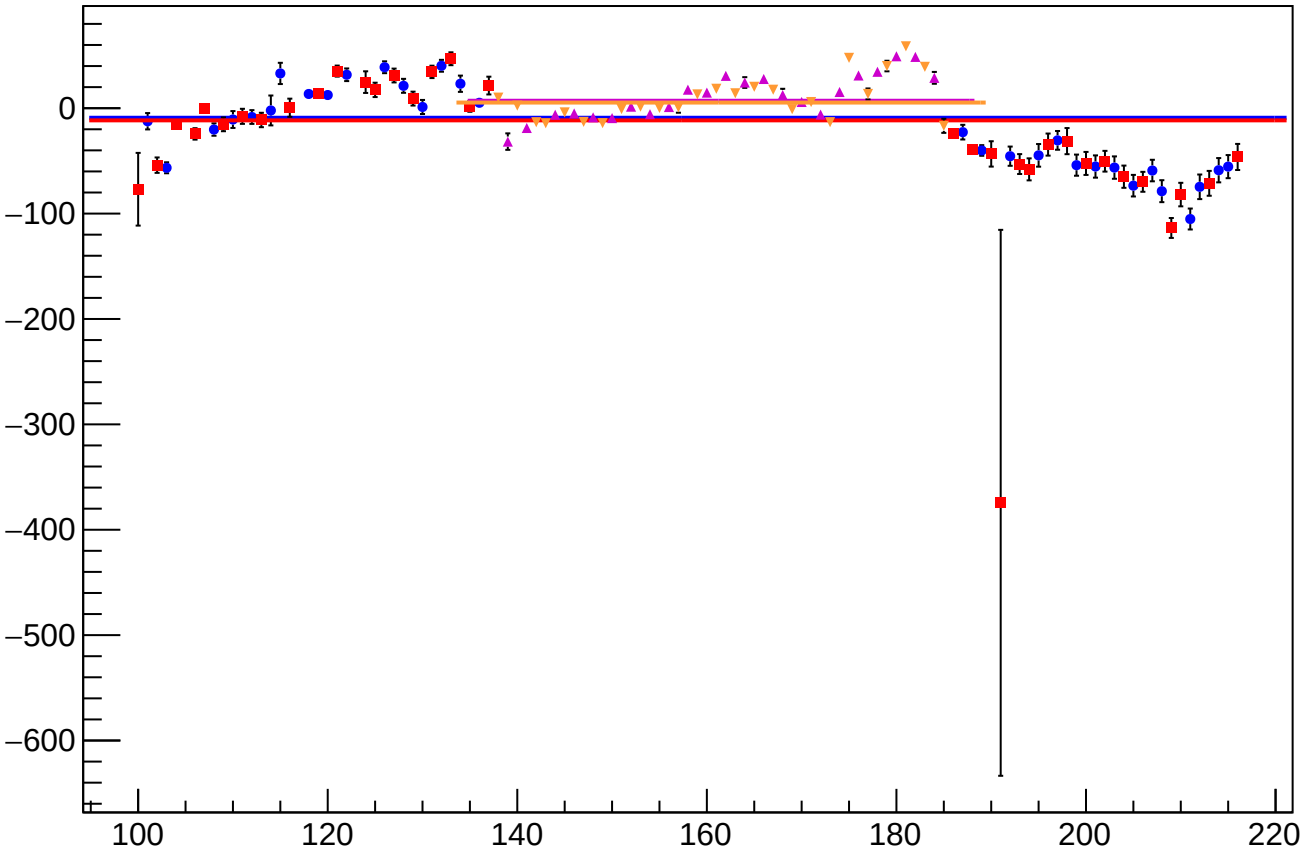
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 206.273+/-0.716 χ^2/NDF: 6380.8/65

In: 189.890+/-0.726 χ^2/NDF:4354.6/53

Out: 190.828+/-0.683 χ^2/NDF:7572.7/59

All: 190.388+/-0.498 χ^2/NDF: 11928.2/113



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: -11.526+/-1.114 χ^2/NDF: 858.9/34

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

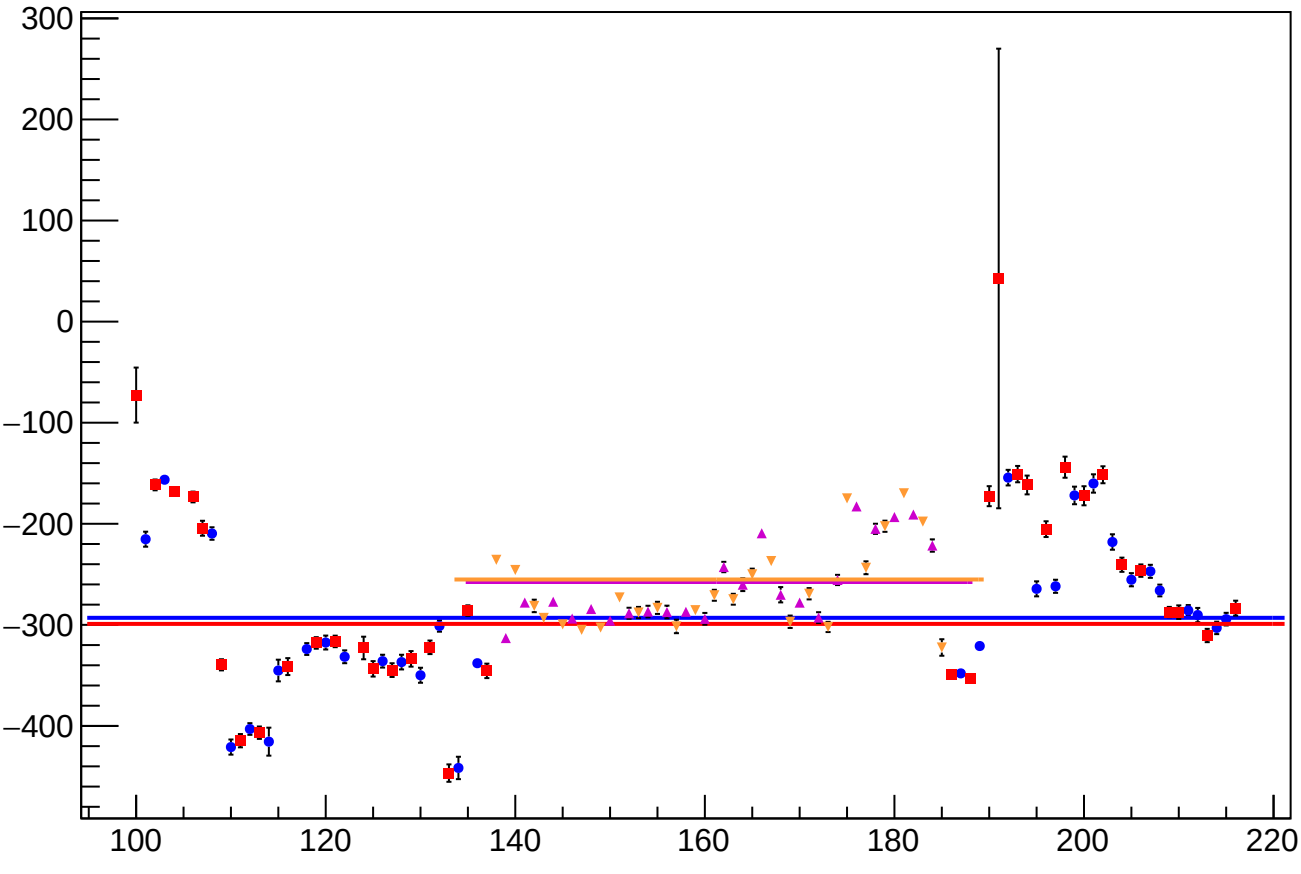
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -10.416+/-0.825 χ^2/NDF: 1682.3/65

In: 2.753+/-0.635 χ^2/NDF:1657.2/53

Out: 0.480+/-0.599 χ^2/NDF:1832.3/59

All: 1.551+/-0.436 χ^2/NDF: 3496.3/113



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: -299.049+/-0.945 χ^2/NDF: 6719.0/34

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

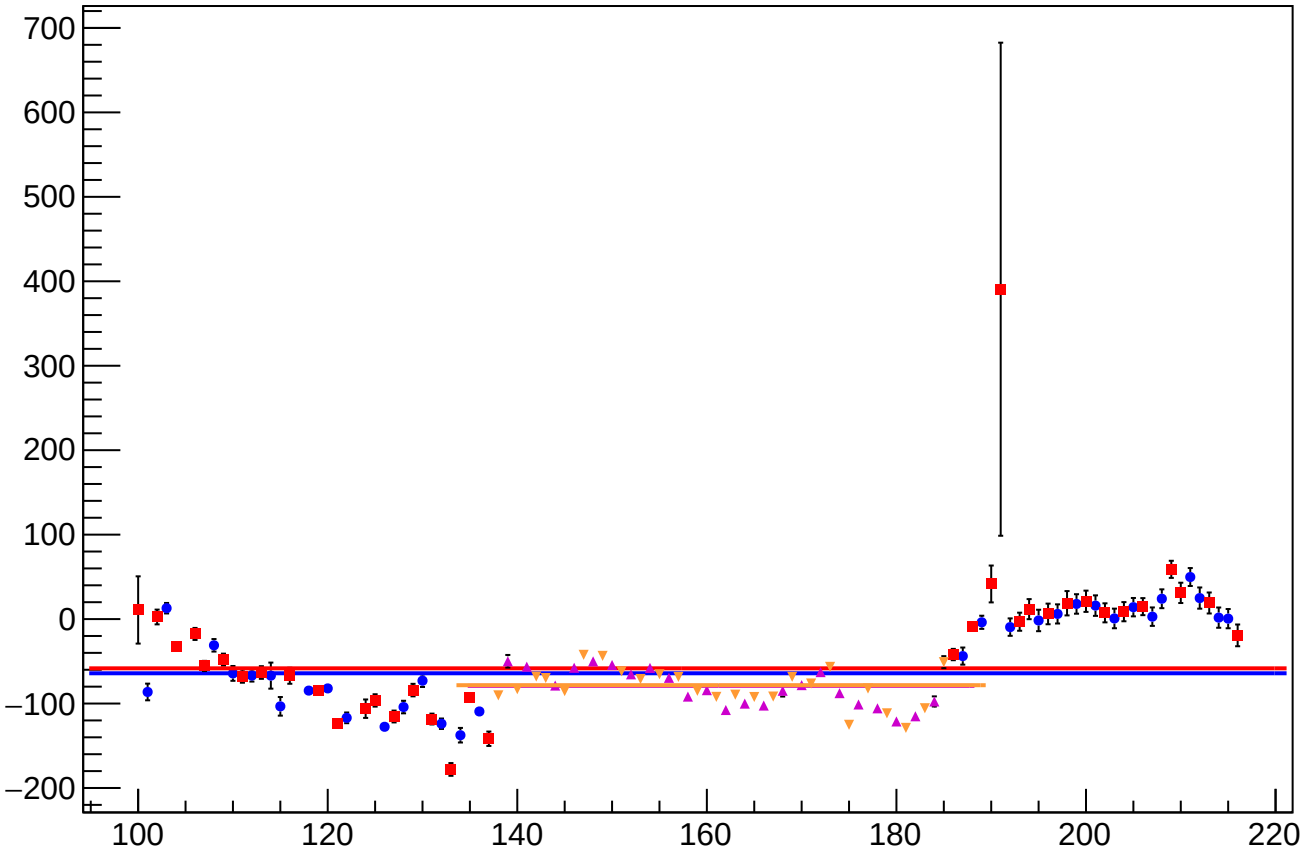
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -296.429+/-0.710 χ^2/NDF: 10842.7/65

In: -273.765+/-0.726 χ^2/NDF:6504.7/53

Out: -277.349+/-0.672 χ^2/NDF:10131.5/59

All: -275.695+/-0.493 χ^2/NDF: 16649.3/113



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: -58.316+/-1.334 χ^2/NDF: 1537.5/34

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

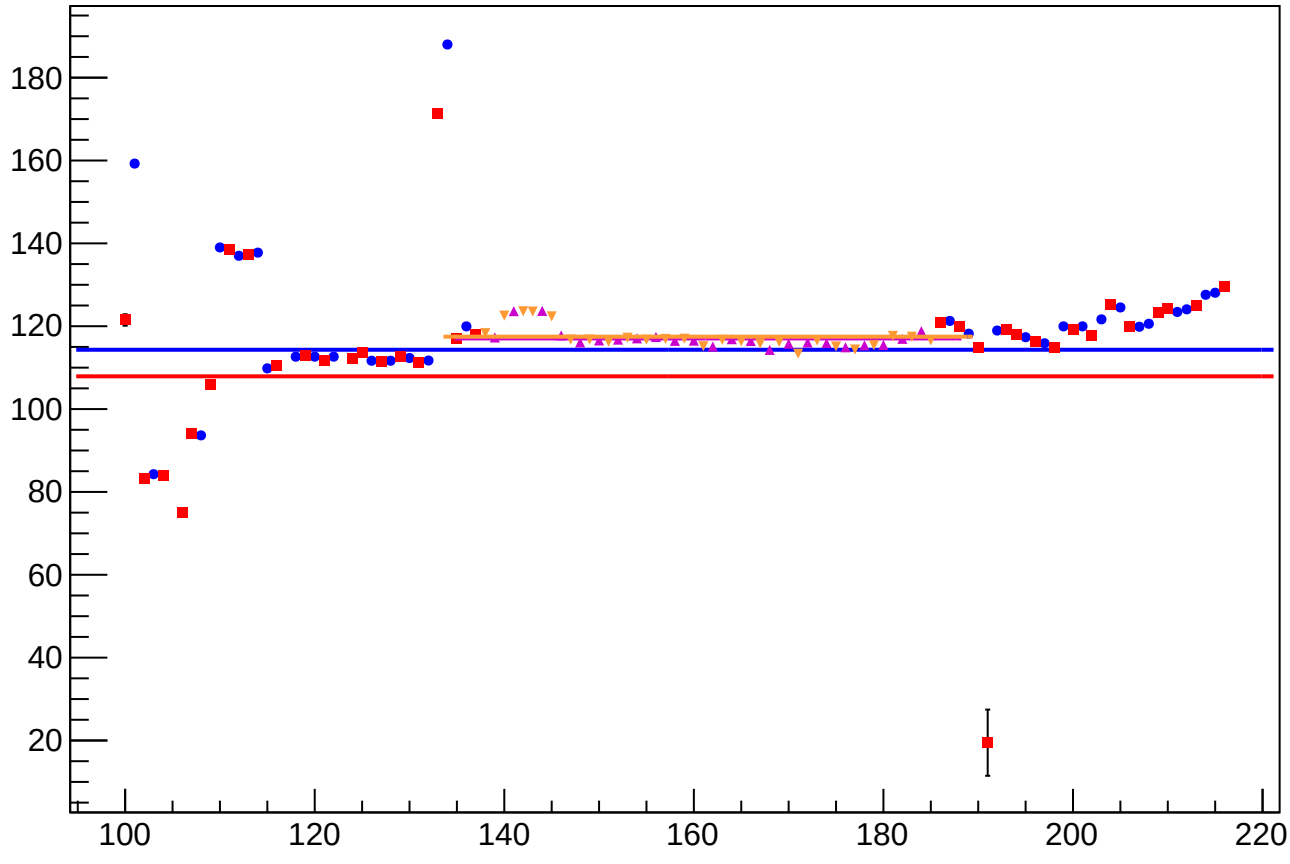
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -61.043+/-0.975 χ^2/NDF: 2928.0/65

In: -75.171+/-0.730 χ^2/NDF:2164.7/53

Out: -72.827+/-0.698 χ^2/NDF:2568.6/59

All: -73.947+/-0.504 χ^2/NDF: 4738.6/113



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: 107.904+/-0.064 χ^2/NDF: 82806.8/34

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

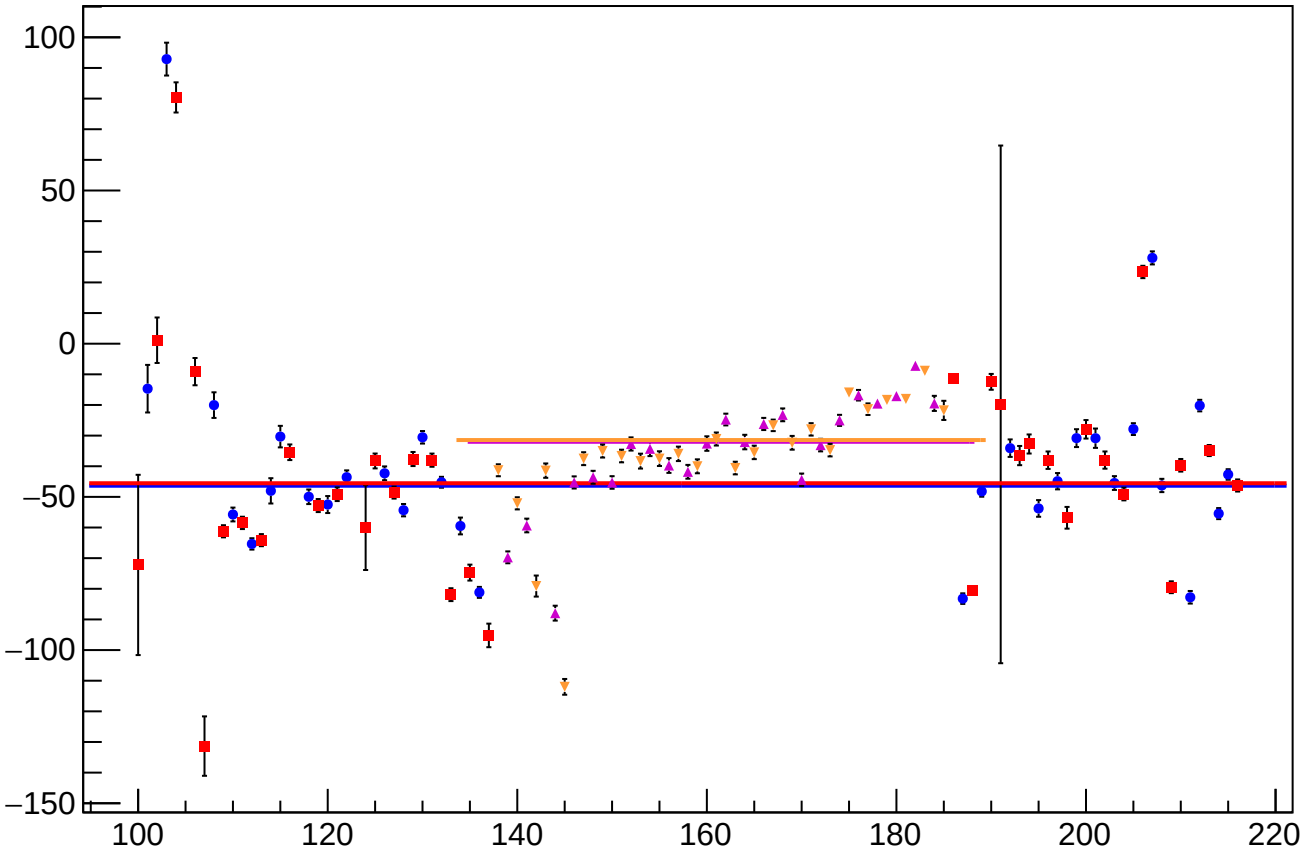
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 110.936+/-0.047 χ^2/NDF: 176592.8/65

In: 116.378+/-0.034 χ^2/NDF:93626.1/53

Out: 114.990+/-0.033 χ^2/NDF:104023.2/59

All: 115.666+/-0.023 χ^2/NDF: 198526.8/113



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: -45.547+/-0.379 χ^2/NDF: 5742.6/34

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

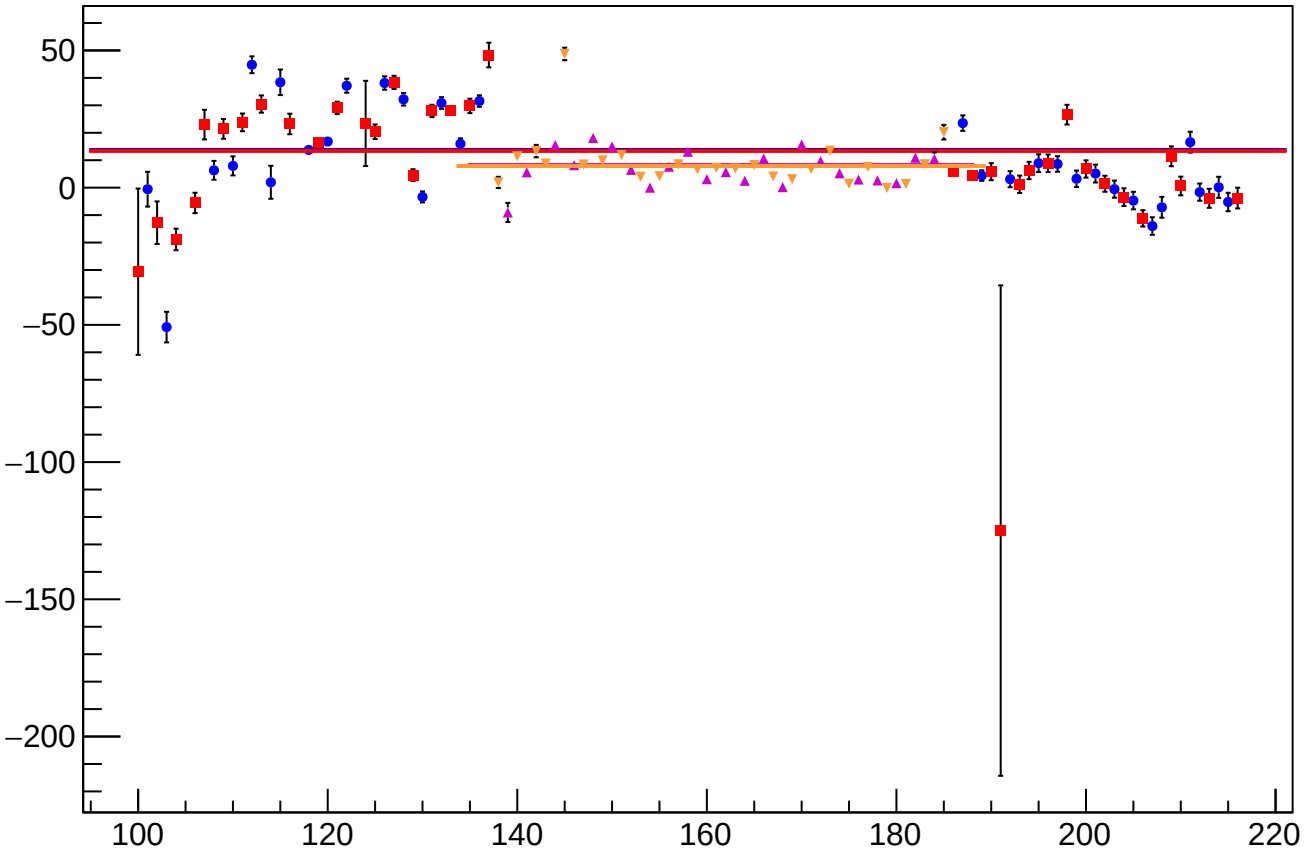
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -45.922+/-0.277 χ^2/NDF: 9487.6/65

In: -39.221+/-0.289 χ^2/NDF:6273.7/53

Out: -38.864+/-0.275 χ^2/NDF:8391.4/59

All: -39.034+/-0.199 χ^2/NDF: 14665.9/113



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: 13.392+/-0.451 χ^2/NDF: 876.0/34

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

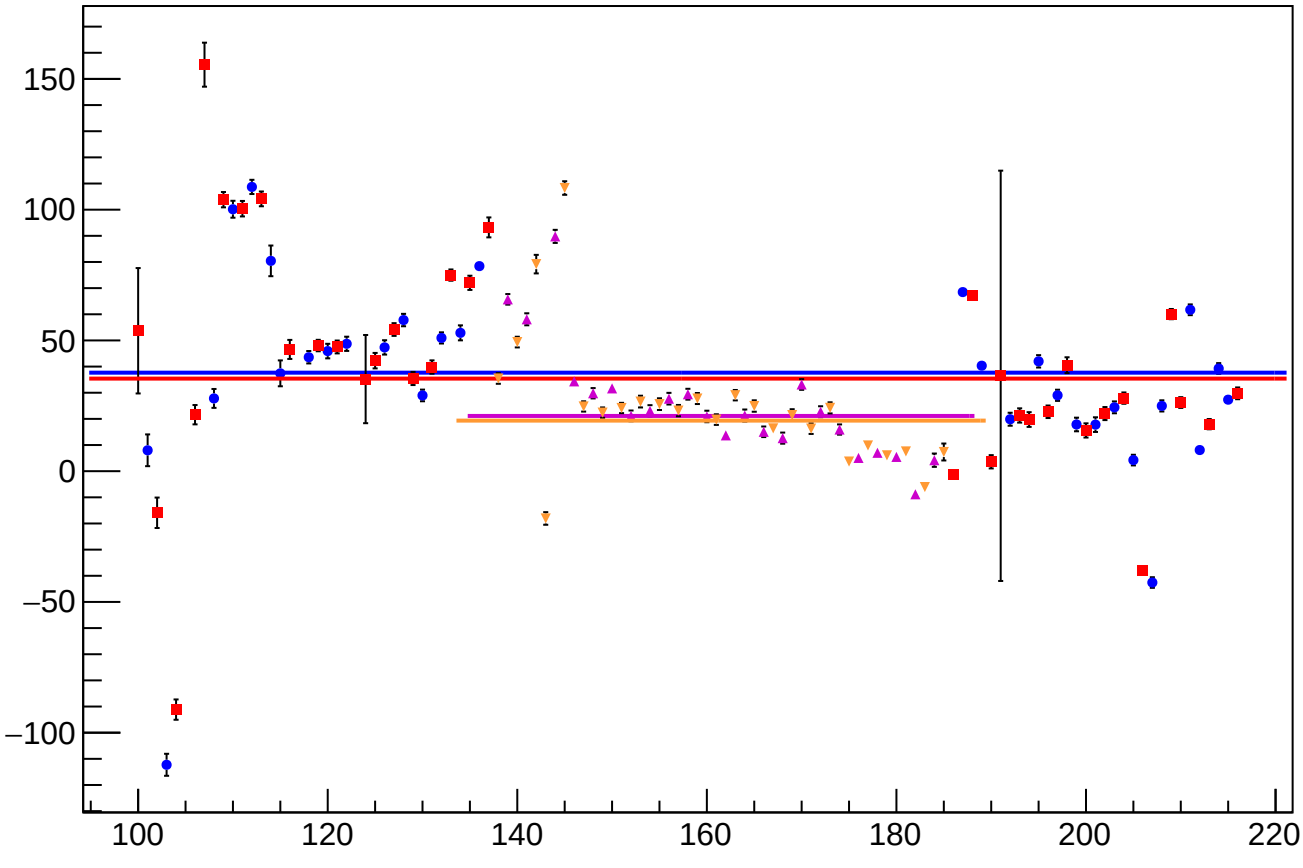
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 13.544+/-0.329 χ^2/NDF: 1921.5/65

In: 9.871+/-0.264 χ^2/NDF:1475.0/53

Out: 9.614+/-0.252 χ^2/NDF:1468.7/59

All: 9.737+/-0.182 χ^2/NDF: 2944.2/113



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: 35.404+/-0.368 χ^2/NDF: 9372.7/34

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

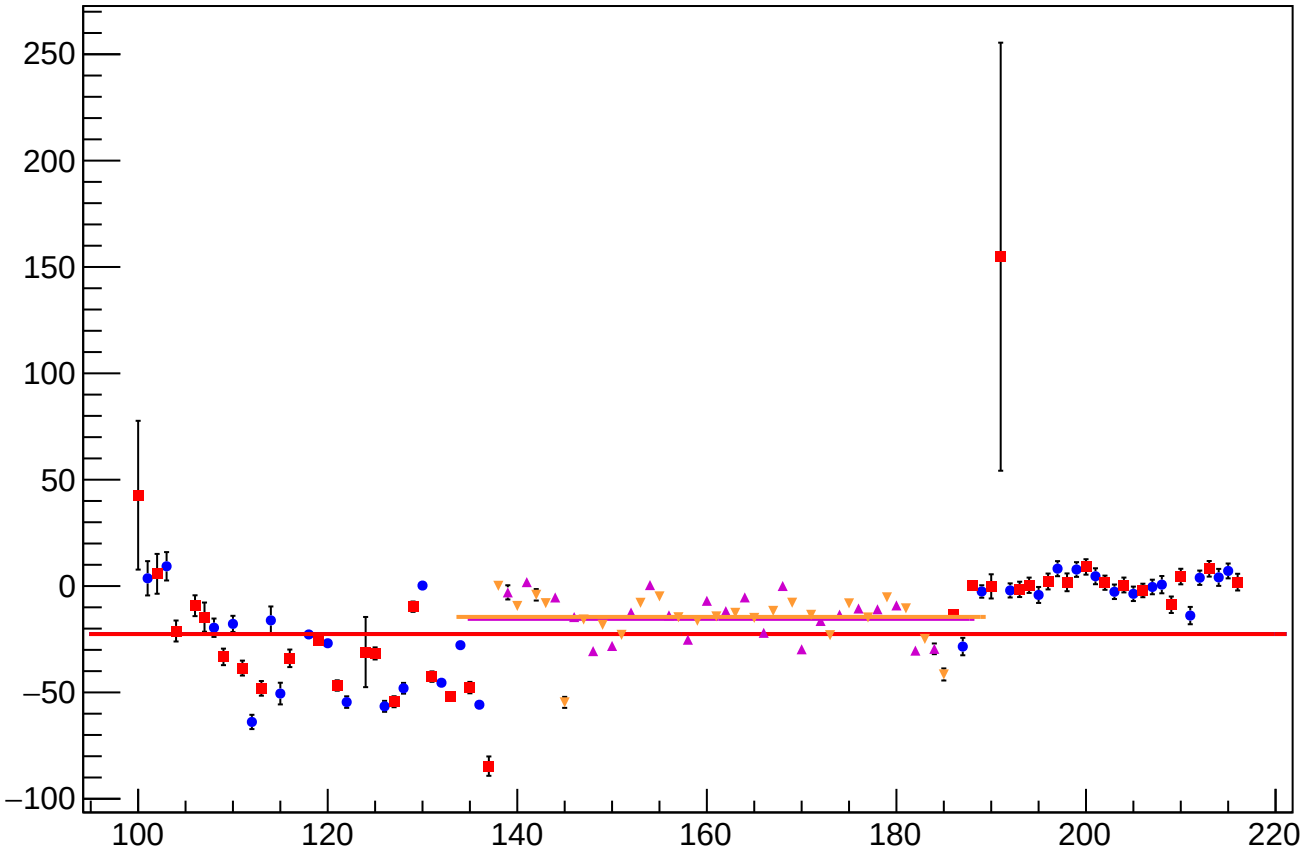
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 36.399+/-0.276 χ^2/NDF: 15476.2/65

In: 29.169+/-0.290 χ^2/NDF:9404.1/53

Out: 27.956+/-0.269 χ^2/NDF:12939.8/59

All: 28.518+/-0.197 χ^2/NDF: 22353.3/113



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: -22.572+/-0.541 χ^2/NDF: 1696.1/34

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

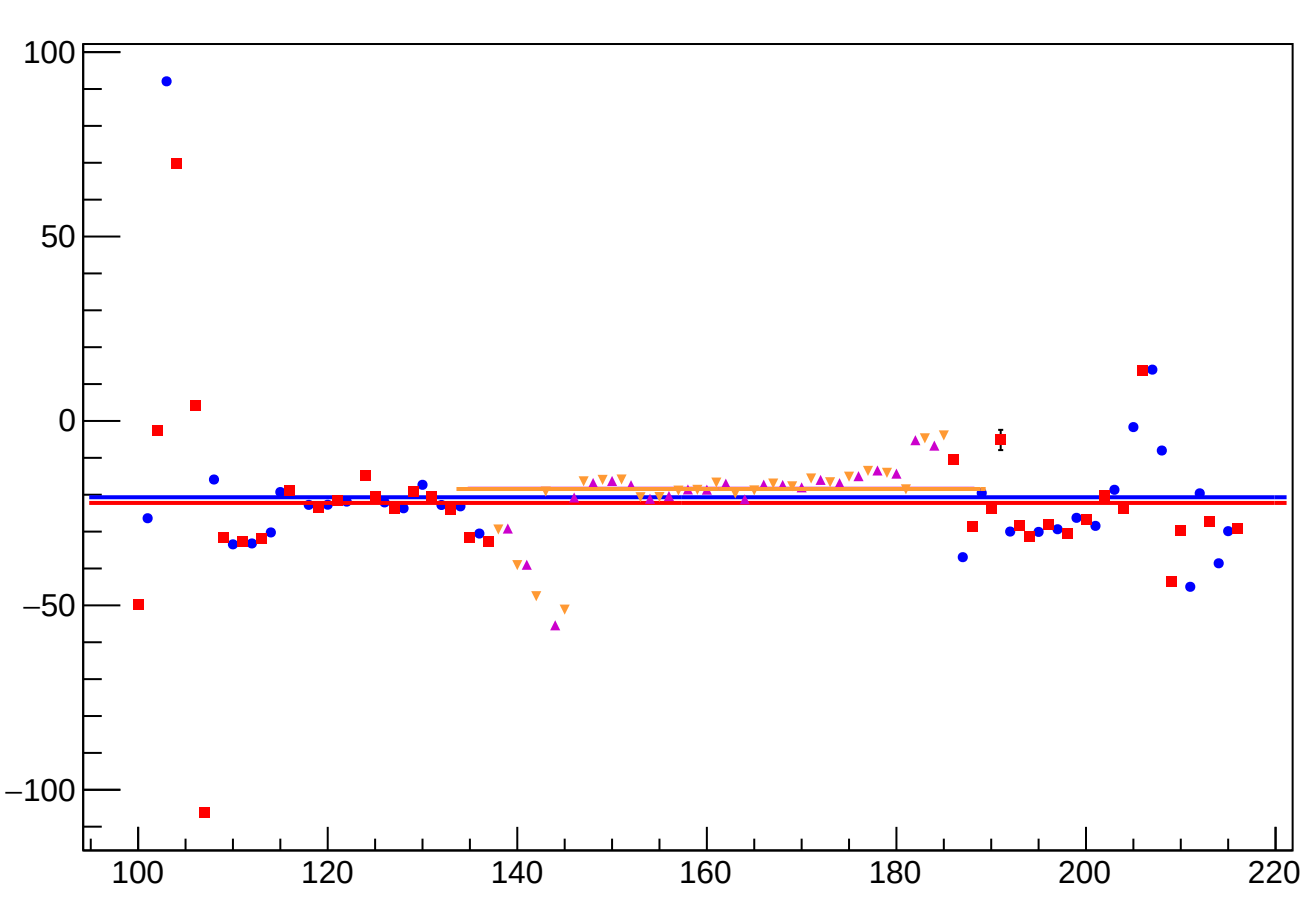
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -22.554+/-0.388 χ^2/NDF: 3428.5/65

In: -17.476+/-0.300 χ^2/NDF:2647.2/53

Out: -16.825+/-0.290 χ^2/NDF:2495.6/59

All: -17.141+/-0.208 χ^2/NDF: 5145.2/113



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: -22.226+/-0.027 χ^2/NDF: 484930.2/34

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

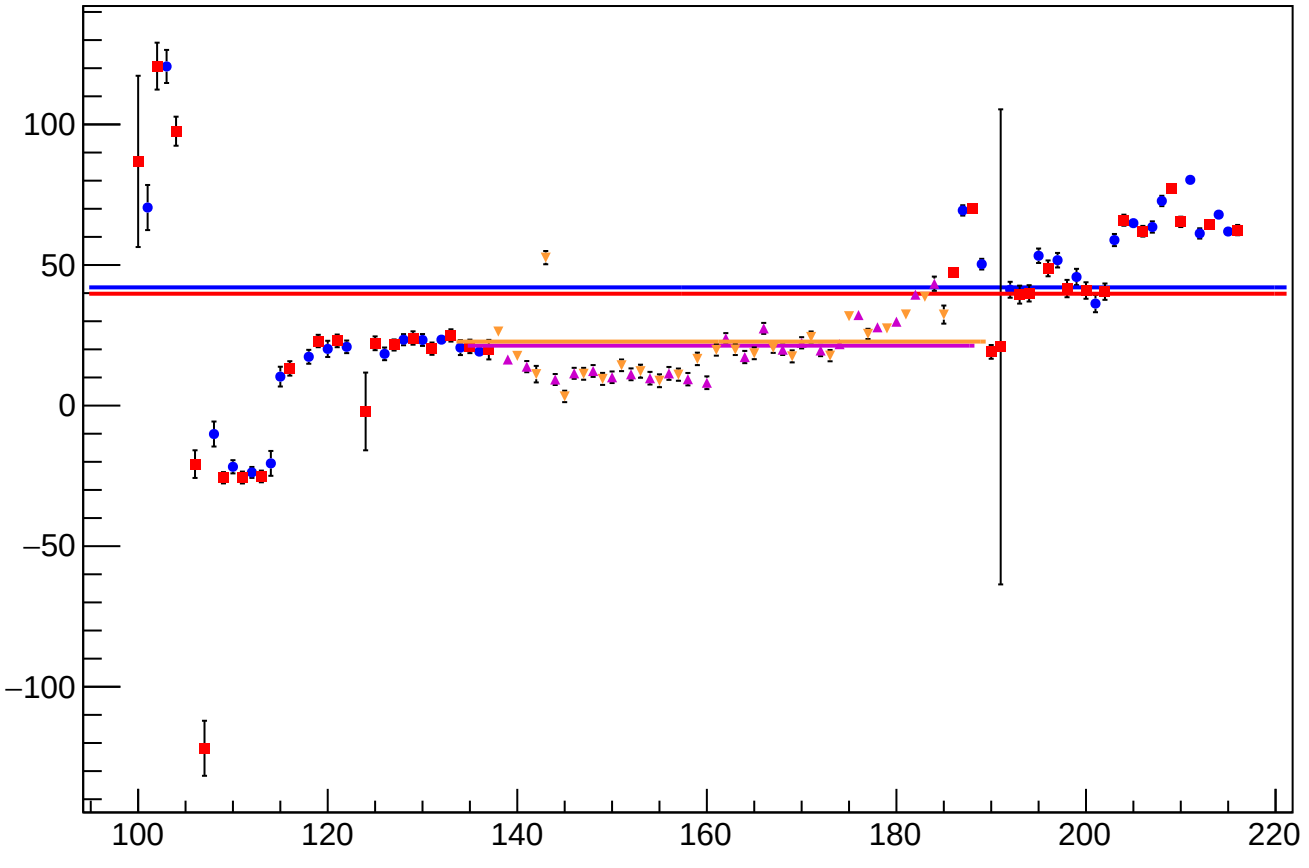
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -21.462+/-0.019 χ^2/NDF: 1068503.0/65

In: -18.963+/-0.014 χ^2/NDF:837412.5/53

Out: -19.394+/-0.013 χ^2/NDF:795166.6/59

All: -19.181+/-0.010 χ^2/NDF: 1633088.1/113



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: 39.787+/-0.381 χ^2/NDF: 6616.2/34

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

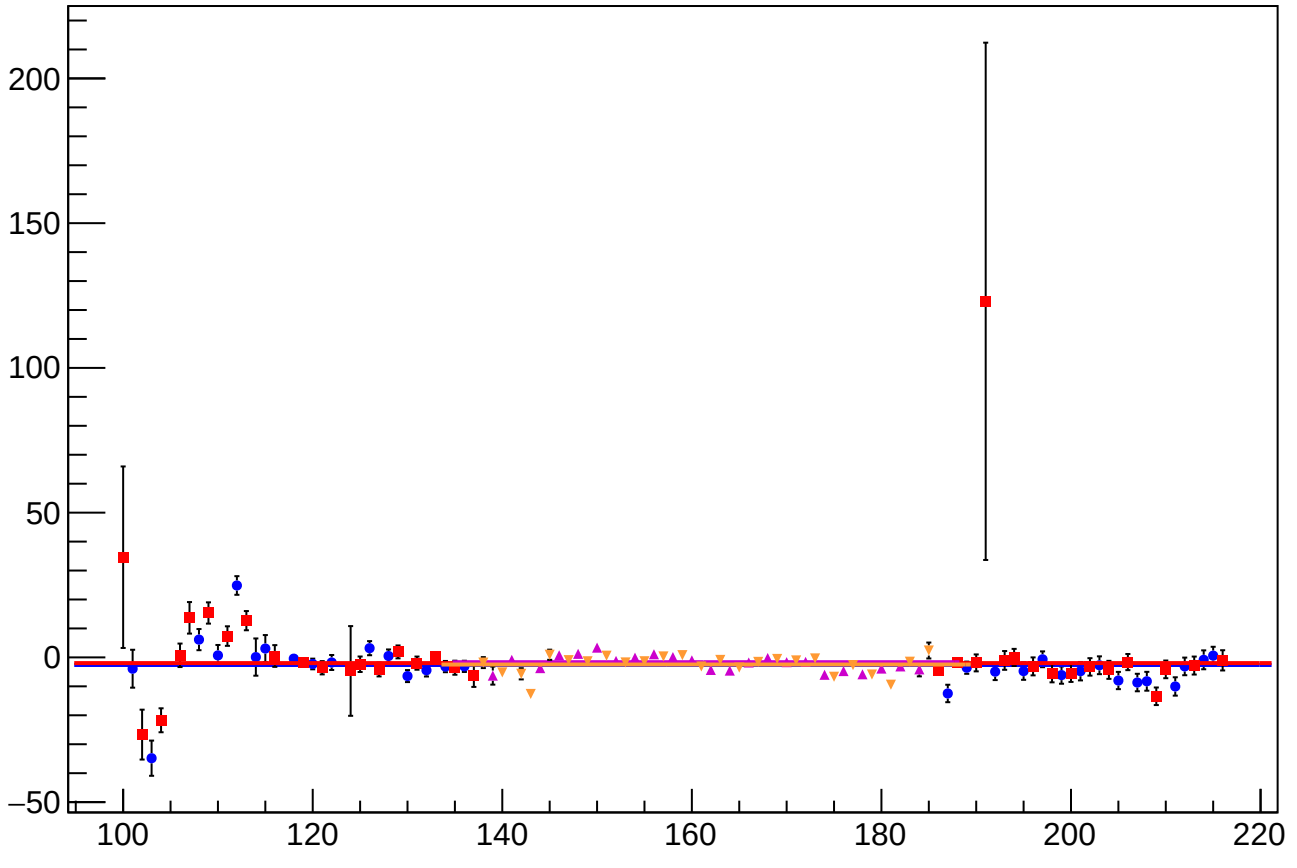
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 40.878+/-0.274 χ^2/NDF: 11959.8/65

In: 31.629+/-0.279 χ^2/NDF:7340.6/53

Out: 31.303+/-0.270 χ^2/NDF:8331.5/59

All: 31.461+/-0.194 χ^2/NDF: 15672.9/113



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: -1.972+/-0.461 χ^2/NDF: 121.8/34

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

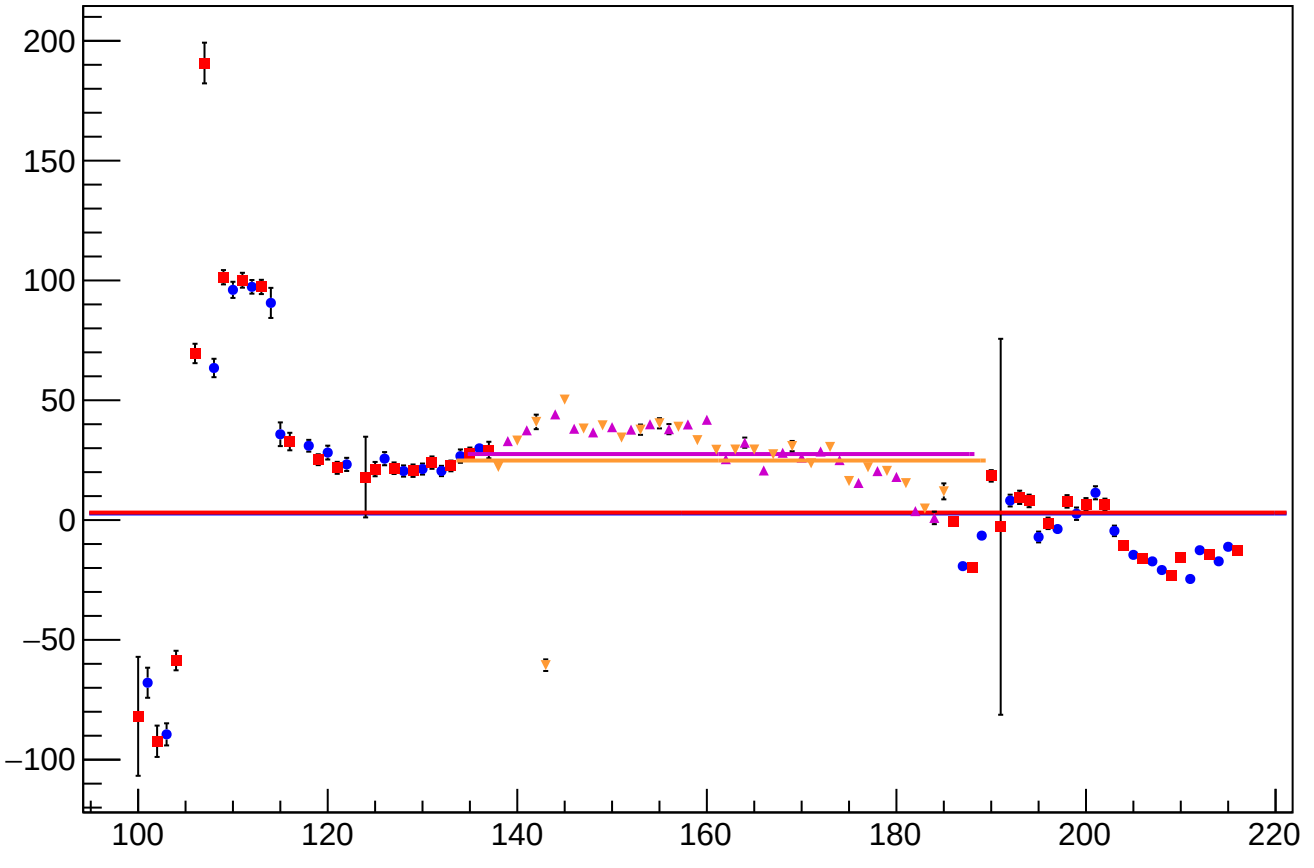
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.282+/-0.333 χ^2/NDF: 277.5/65

In: -1.934+/-0.257 χ^2/NDF:227.8/53

Out: -2.326+/-0.247 χ^2/NDF:239.3/59

All: -2.137+/-0.178 χ^2/NDF: 468.4/113



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: 3.121+/-0.376 χ^2/NDF: 6362.9/34

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

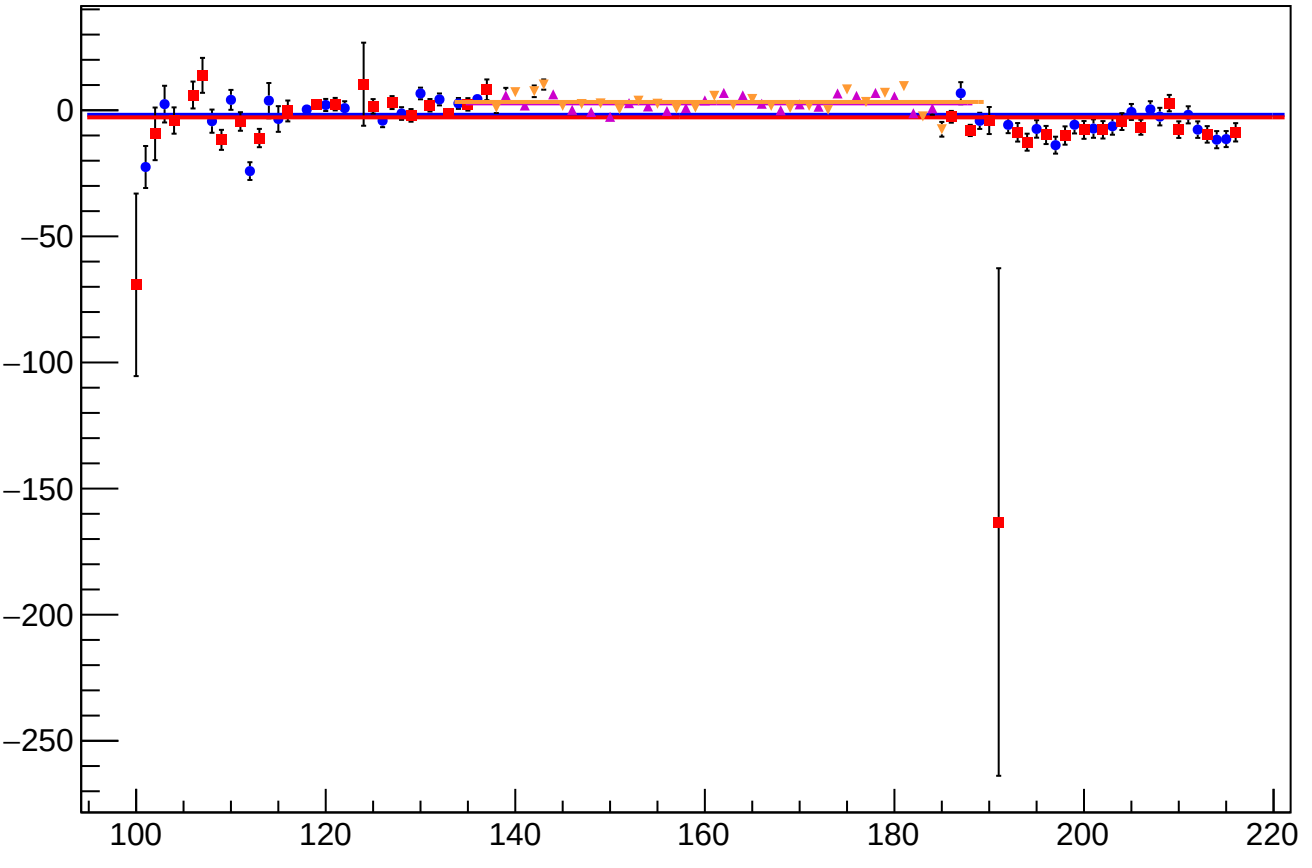
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 2.949+/-0.276 χ^2/NDF: 11287.7/65

In: 15.675+/-0.281 χ^2/NDF:7754.0/53

Out: 13.890+/-0.267 χ^2/NDF:10062.8/59

All: 14.739+/-0.194 χ^2/NDF: 17838.0/113



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: -2.816+/-0.546 χ^2/NDF: 103.6/34

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

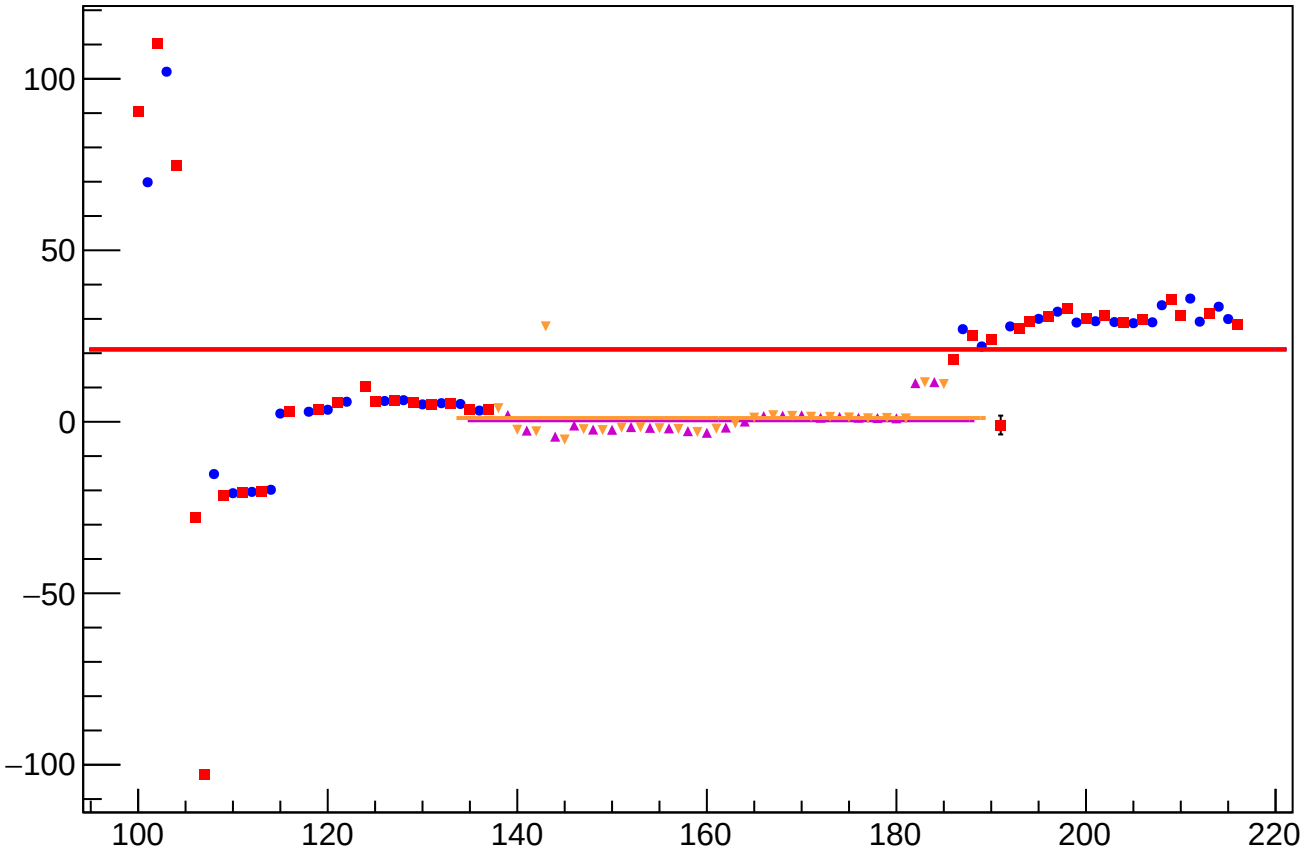
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -2.316+/-0.387 χ^2/NDF: 243.8/65

In: 1.459+/-0.290 χ^2/NDF:262.3/53

Out: 1.644+/-0.283 χ^2/NDF:301.3/59

All: 1.554+/-0.203 χ^2/NDF: 563.8/113



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: 21.160+/-0.026 χ^2/NDF: 644209.5/34

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

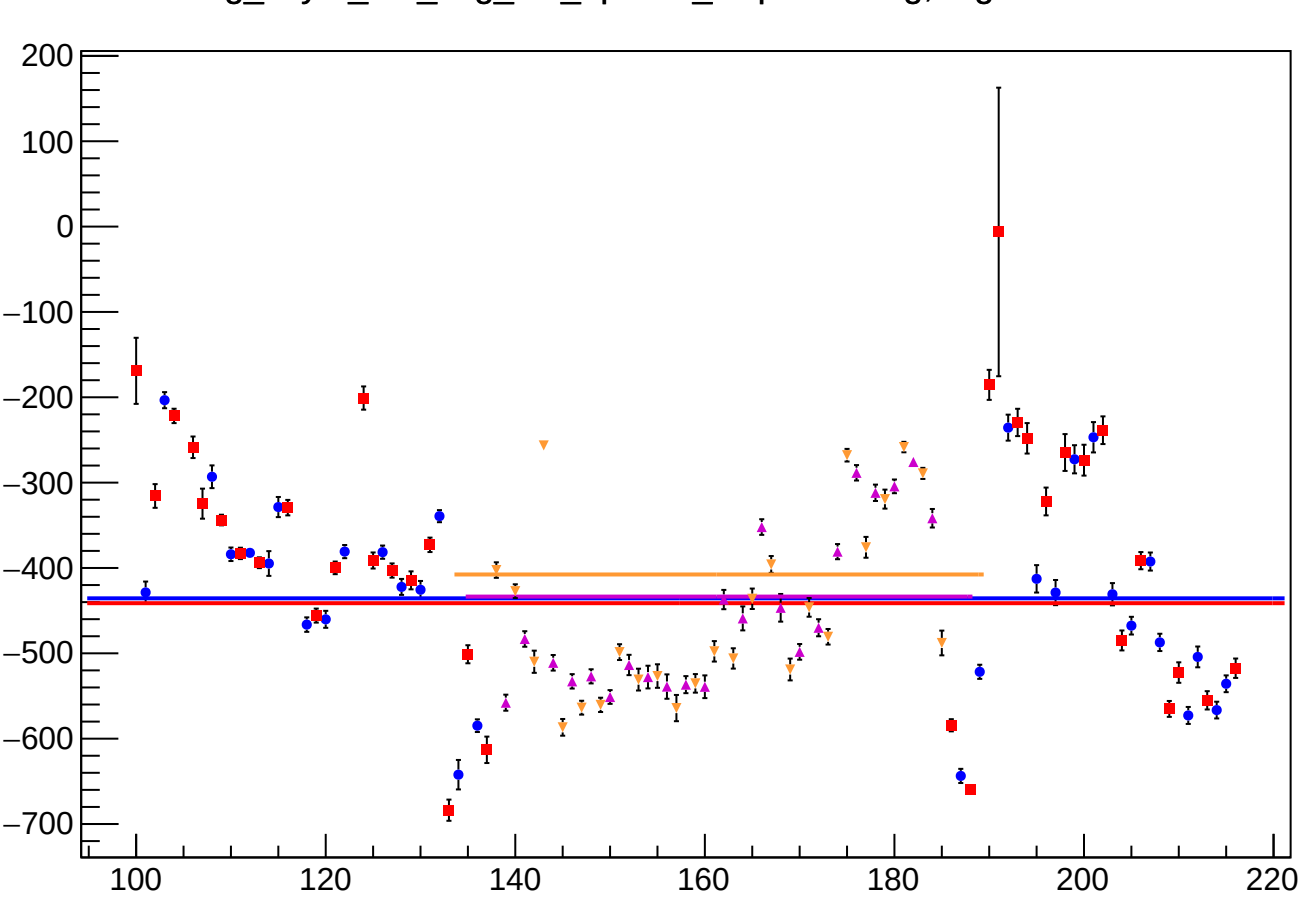
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

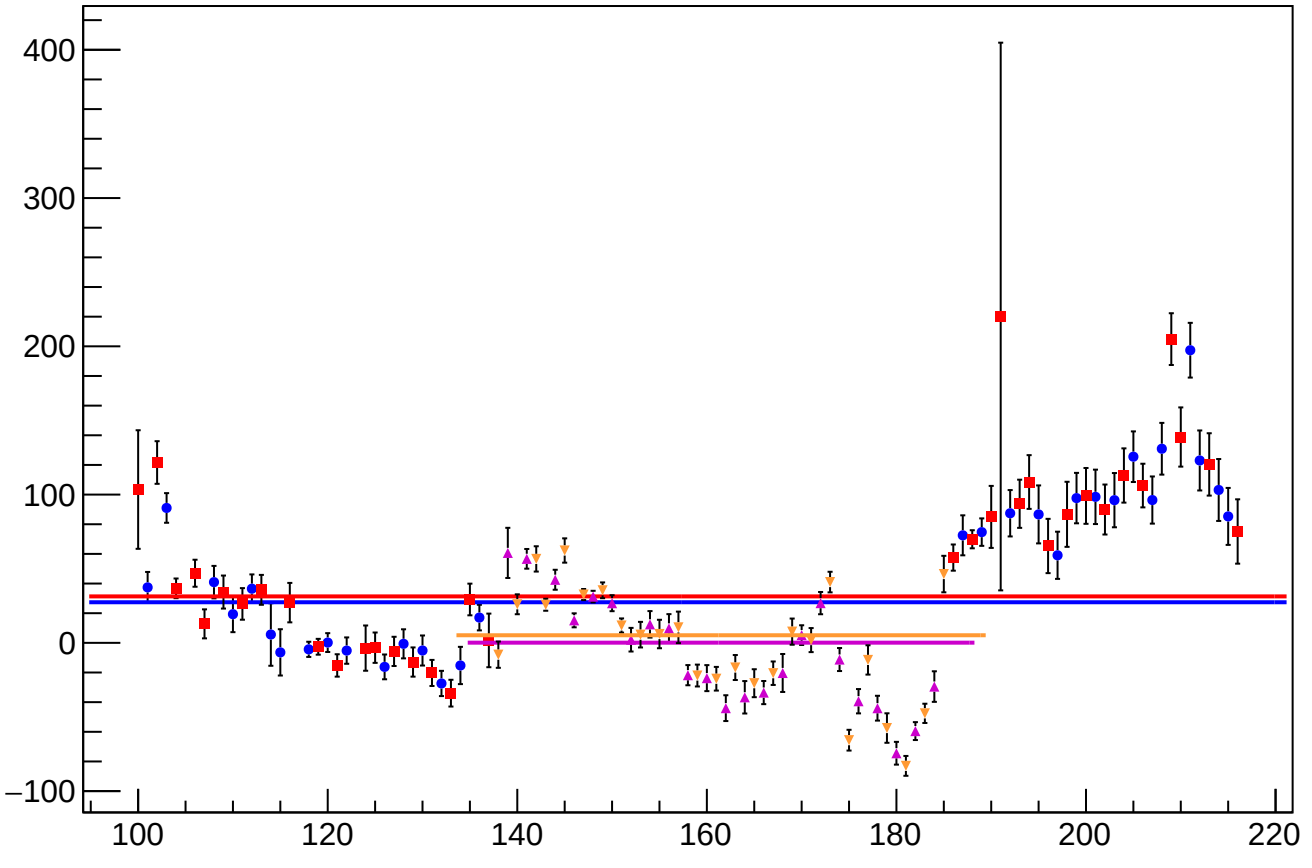
Right: 21.113+/-0.019 χ^2/NDF: 1148876.8/65

In: 5.569+/-0.013 χ^2/NDF:1022619.7/53

Out: 5.921+/-0.013 χ^2/NDF:1212944.6/59

All: 5.747+/-0.009 χ^2/NDF: 2235929.6/113


reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
200
100
0
−100
−200
−300
−400
−500
−600
−700
100
120
140
160
180
200
220
Right In: -435.576+/-1.767 χ²/NDF: 3466.3/30
Left Out: -407.620+/-1.868 χ²/NDF:4005.6/24
Right Out: -441.256+/-1.648 χ²/NDF: 6765.3/34
Left In: -433.529+/-1.993 χ²/NDF:2724.5/22
Left: -419.735+/-1.363 χ²/NDF: 6820.1/47
Right: -438.615+/-1.205 χ²/NDF: 10237.2/65
In: -434.675+/-1.322 χ²/NDF:6191.4/53
Out: -426.533+/-1.236 χ²/NDF:10953.3/59
All: -430.329+/-0.903 χ²/NDF: 17165.0/113



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: 31.333+/-1.872 χ^2/NDF: 589.1/34

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

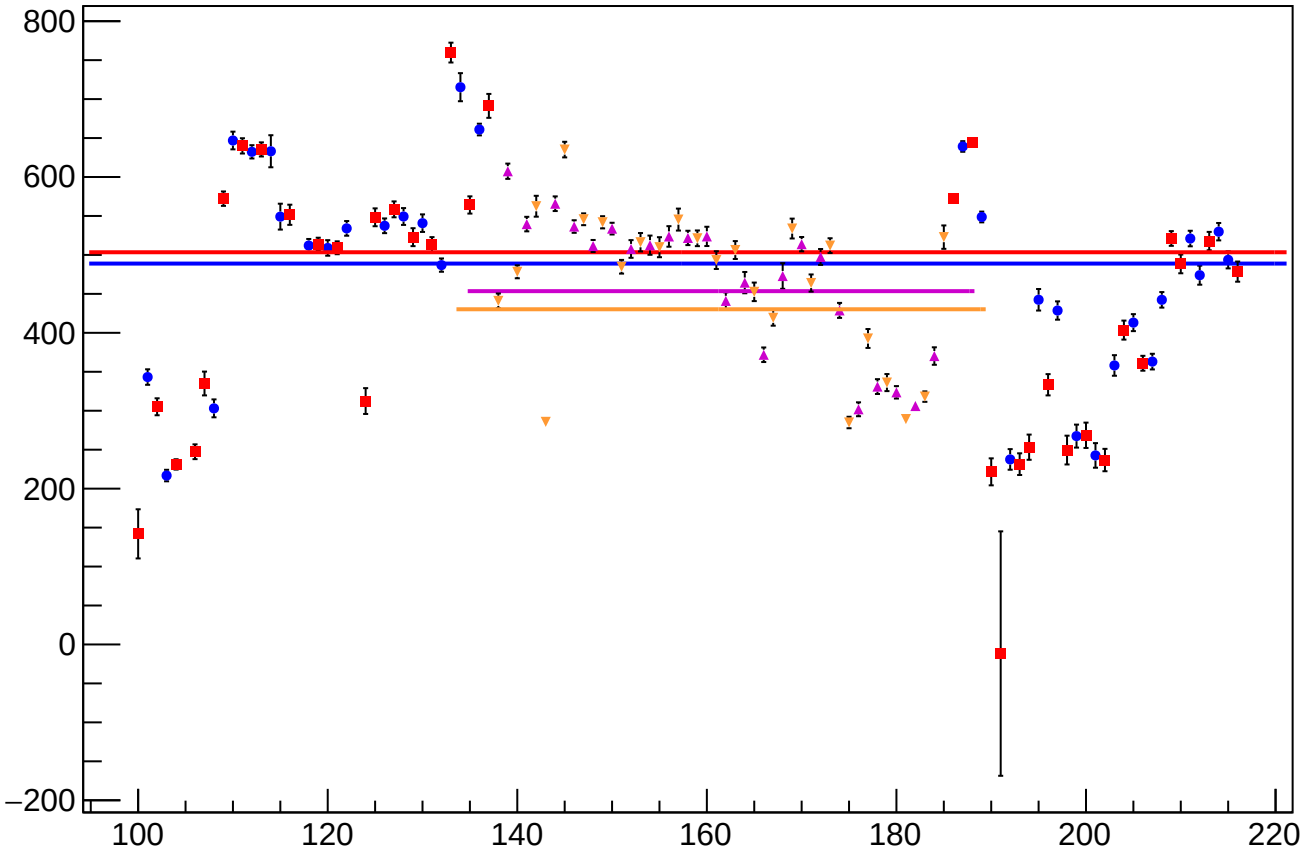
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 29.474+/-1.363 χ^2/NDF: 1139.5/65

In: 9.930+/-1.192 χ^2/NDF:1237.3/53

Out: 14.338+/-1.110 χ^2/NDF:1405.3/59

All: 12.290+/-0.812 χ^2/NDF: 2650.0/113



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: 503.416+/-1.660 χ^2/NDF: 8077.1/34

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

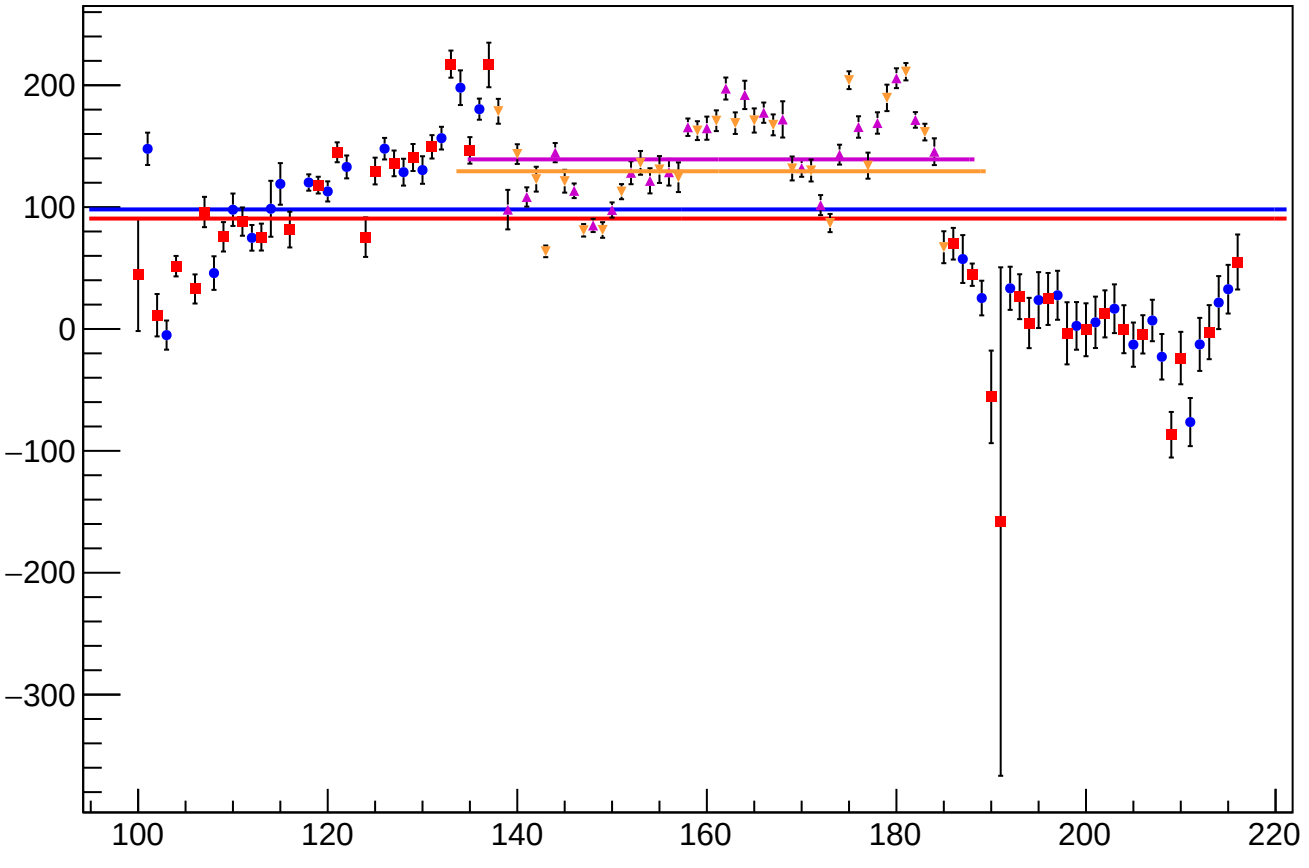
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 496.874+/-1.231 χ^2/NDF: 13053.0/65

In: 472.485+/-1.344 χ^2/NDF:7533.5/53

Out: 471.003+/-1.239 χ^2/NDF:12343.4/59

All: 471.684+/-0.911 χ^2/NDF: 19877.6/113



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: 90.600+/-2.222 χ^2/NDF: 751.8/34

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

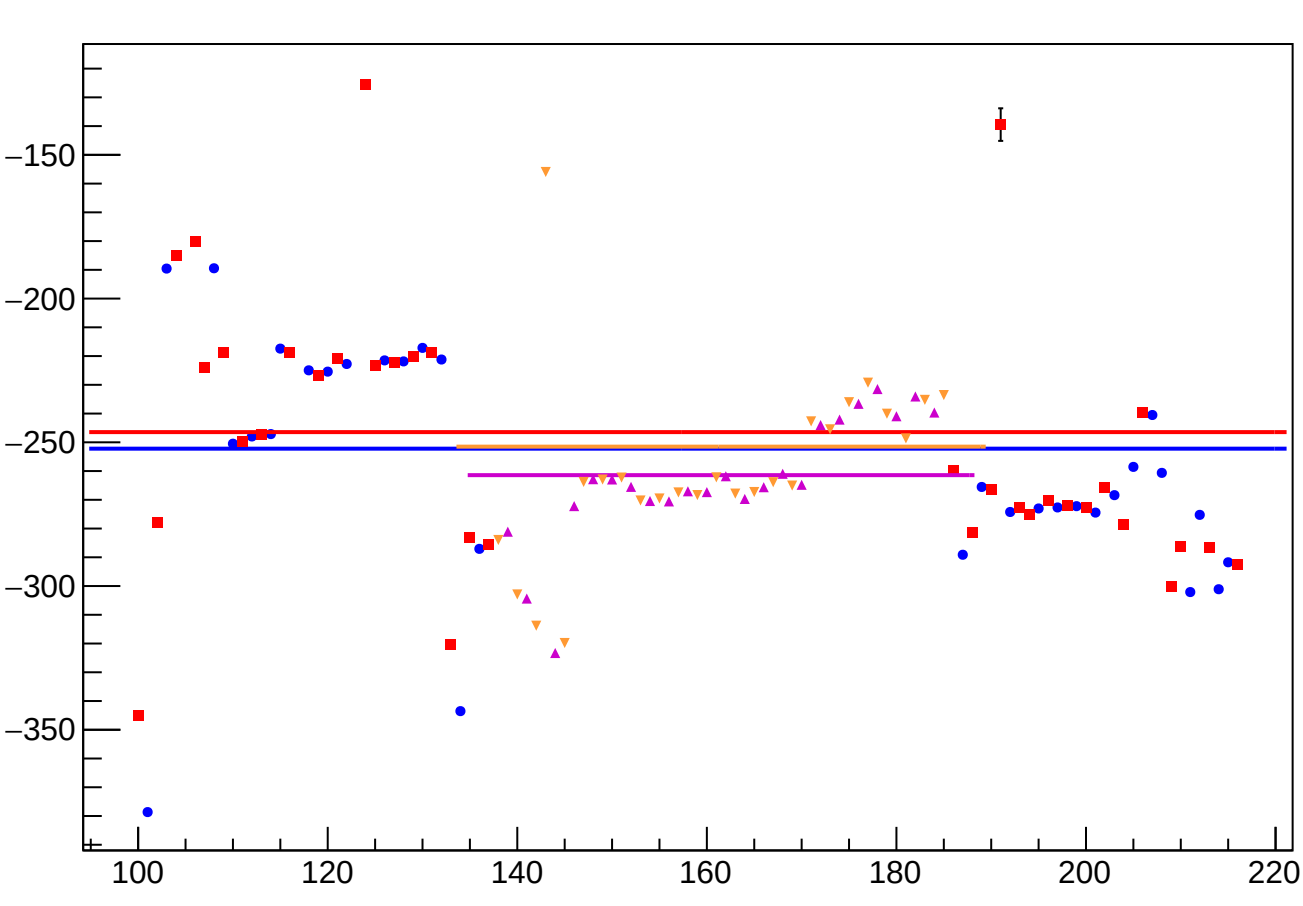
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 94.197+/-1.604 χ^2/NDF: 1482.4/65

In: 124.756+/-1.373 χ^2/NDF:1362.8/53

Out: 116.248+/-1.295 χ^2/NDF:1767.6/59

All: 120.251+/-0.942 χ^2/NDF: 3150.8/113



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: -246.452+/-0.115 χ^2/NDF: 121002.8/34

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

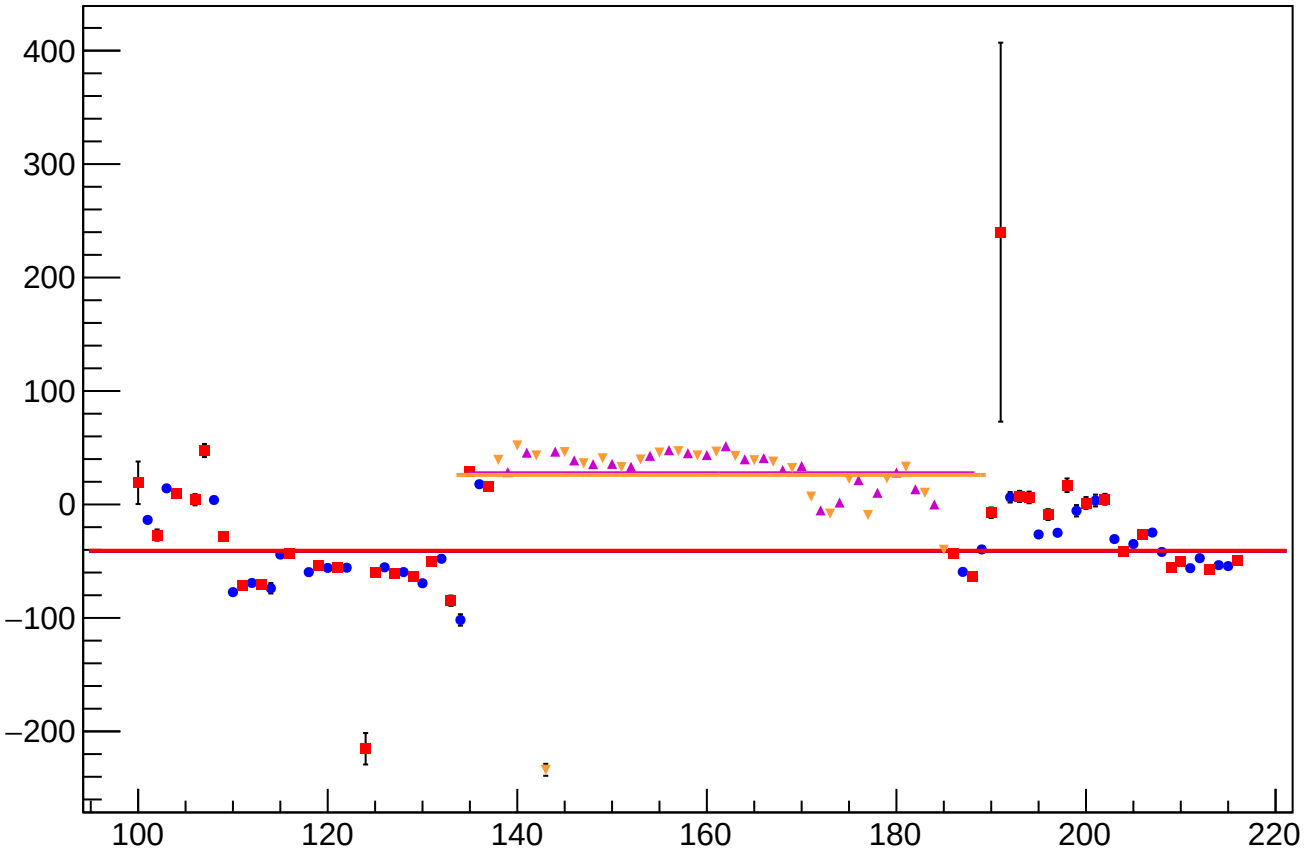
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -249.245+/-0.082 χ^2/NDF: 277618.6/65

In: -258.631+/-0.065 χ^2/NDF:229191.7/53

Out: -250.002+/-0.063 χ^2/NDF:377295.5/59

All: -254.147+/-0.045 χ^2/NDF: 615642.6/113



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: -40.806+/-0.500 χ^2/NDF: 3359.3/34

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

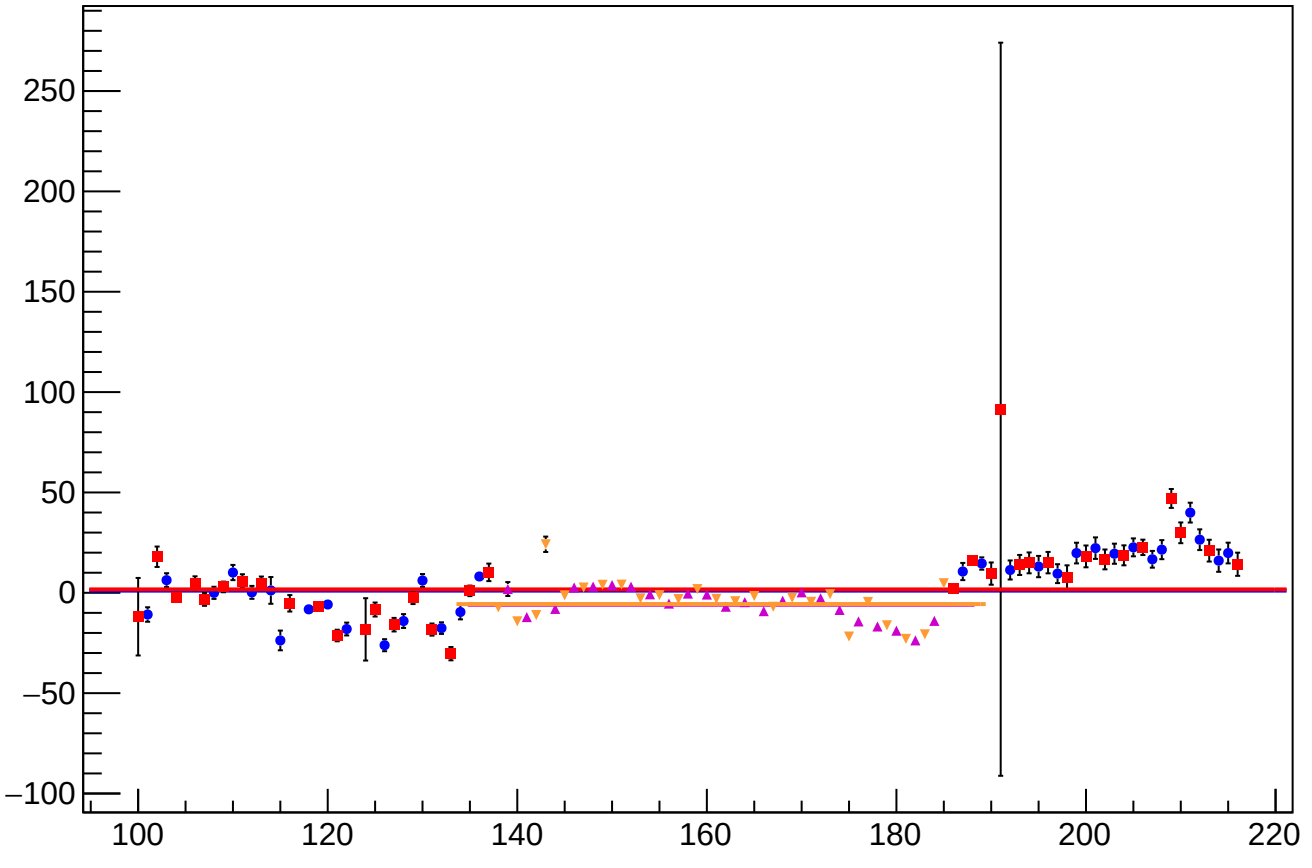
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -40.892+/-0.367 χ^2/NDF: 6201.2/65

In: 3.557+/-0.319 χ^2/NDF:14899.3/53

Out: 0.826+/-0.307 χ^2/NDF:19271.6/59

All: 2.140+/-0.221 χ^2/NDF: 34208.9/113



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: 1.690+/-0.599 χ^2/NDF: 551.8/34

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

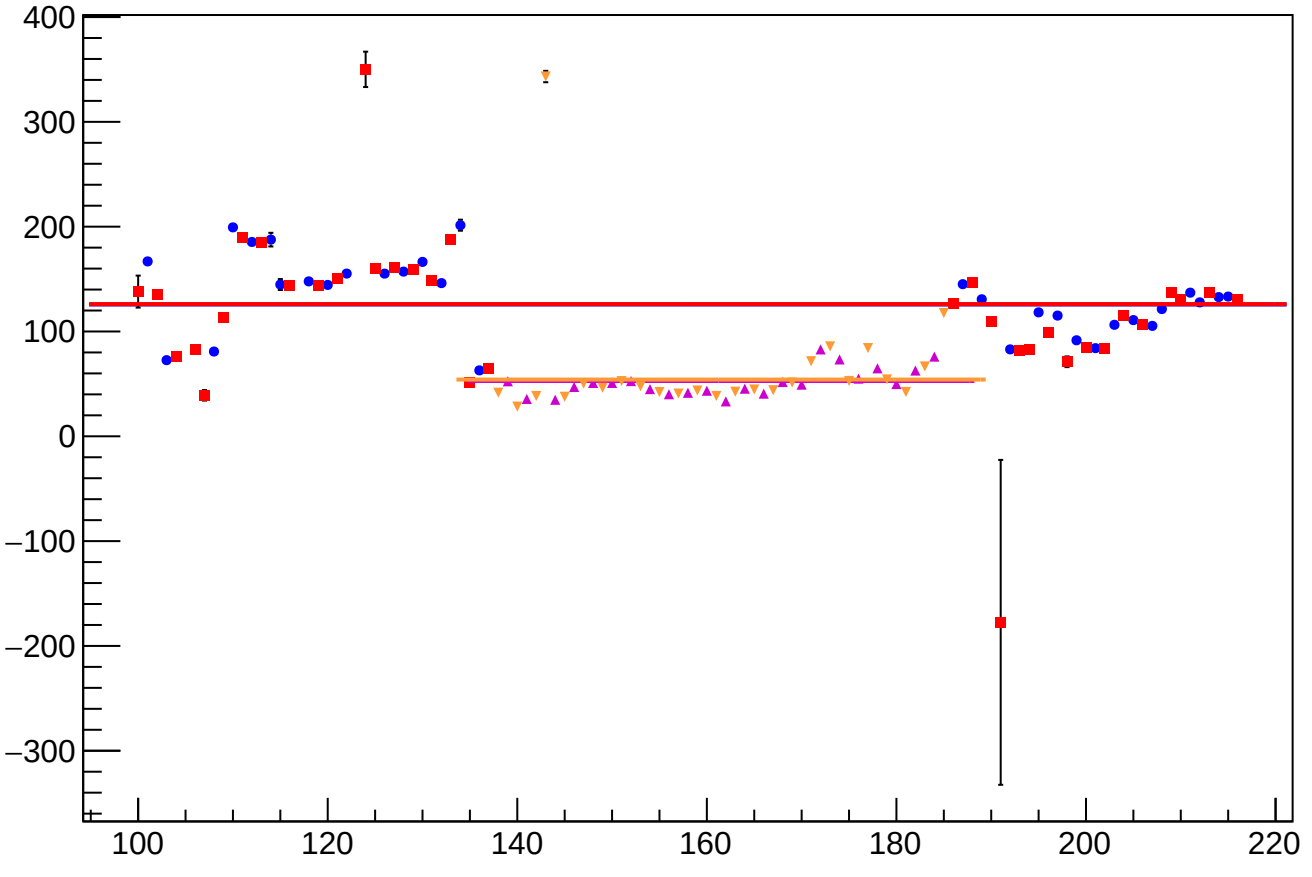
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: 1.415+/-0.436 χ^2/NDF: 1071.9/65

In: -4.599+/-0.278 χ^2/NDF:1330.7/53

Out: -4.143+/-0.270 χ^2/NDF:1564.1/59

All: -4.364+/-0.194 χ^2/NDF: 2896.2/113



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: 126.108+/-0.506 χ^2/NDF: 4457.4/34

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

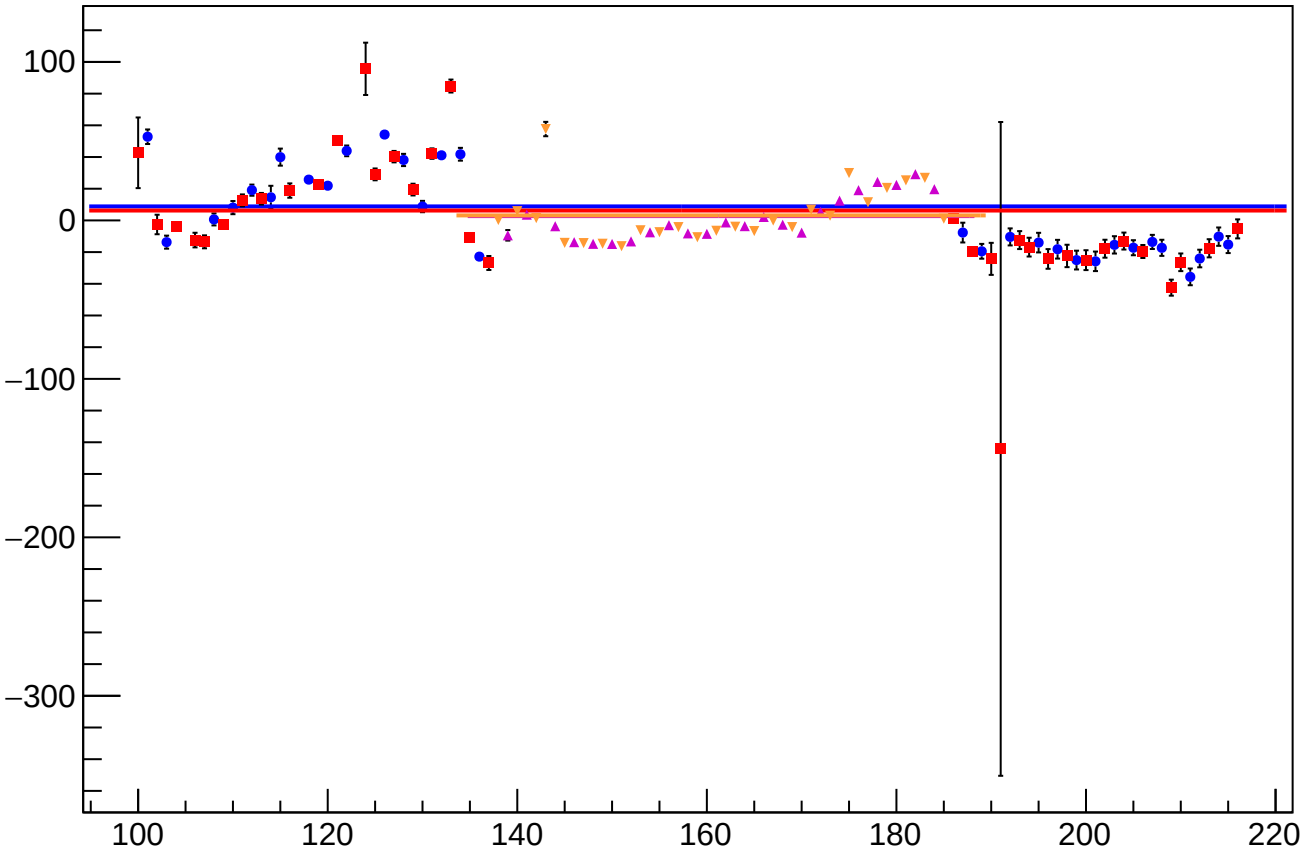
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 125.948+/-0.375 χ^2/NDF: 8606.0/65

In: 76.979+/-0.321 χ^2/NDF:16572.8/53

Out: 80.704+/-0.308 χ^2/NDF:21806.8/59

All: 78.921+/-0.222 χ^2/NDF: 38449.8/113



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: 6.236+/-0.706 χ^2/NDF: 1471.6/34

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

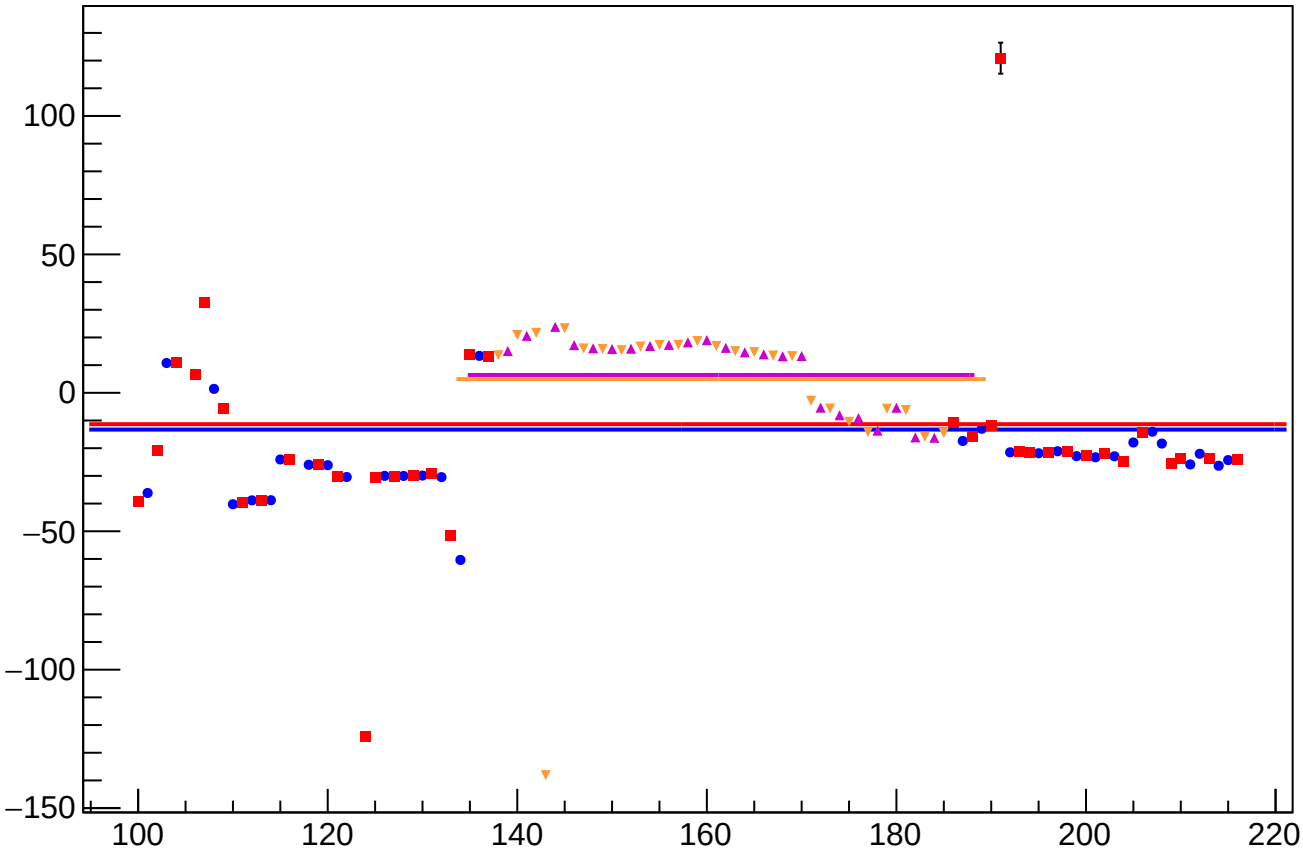
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 7.487+/-0.508 χ^2/NDF: 2870.6/65

In: 3.842+/-0.313 χ^2/NDF:3184.6/53

Out: 3.734+/-0.306 χ^2/NDF:3499.4/59

All: 3.787+/-0.219 χ^2/NDF: 6684.0/113



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: -11.329+/-0.035 χ^2/NDF: 283990.9/34

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

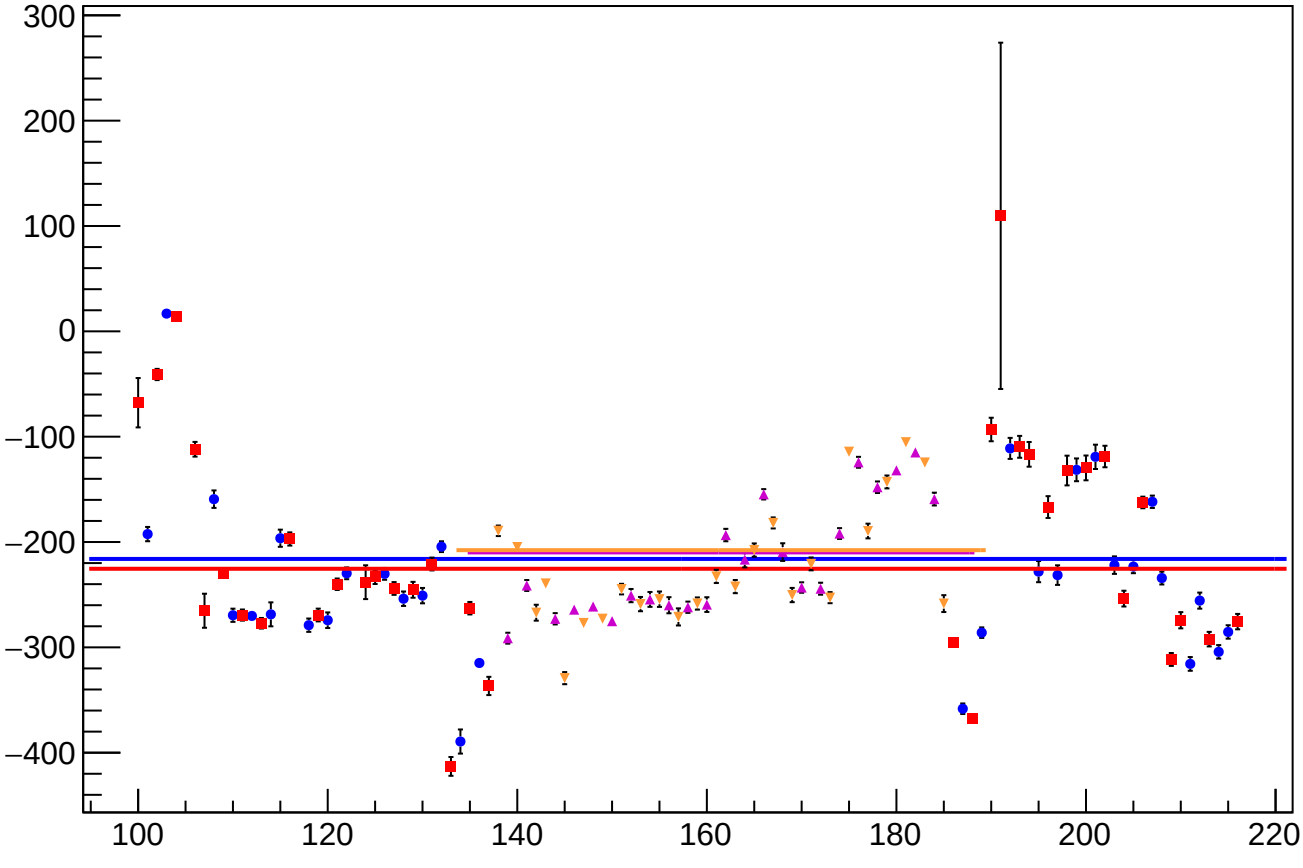
Right: -12.301+/-0.025 χ^2/NDF: 589379.8/65

In: 3.247+/-0.014 χ^2/NDF:1301513.2/53

Out: 2.335+/-0.014 χ^2/NDF:1603962.6/59

All: 2.788+/-0.010 χ^2/NDF: 2907601.6/113

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -225.400+/-1.039 χ^2/NDF: 12712.0/34

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

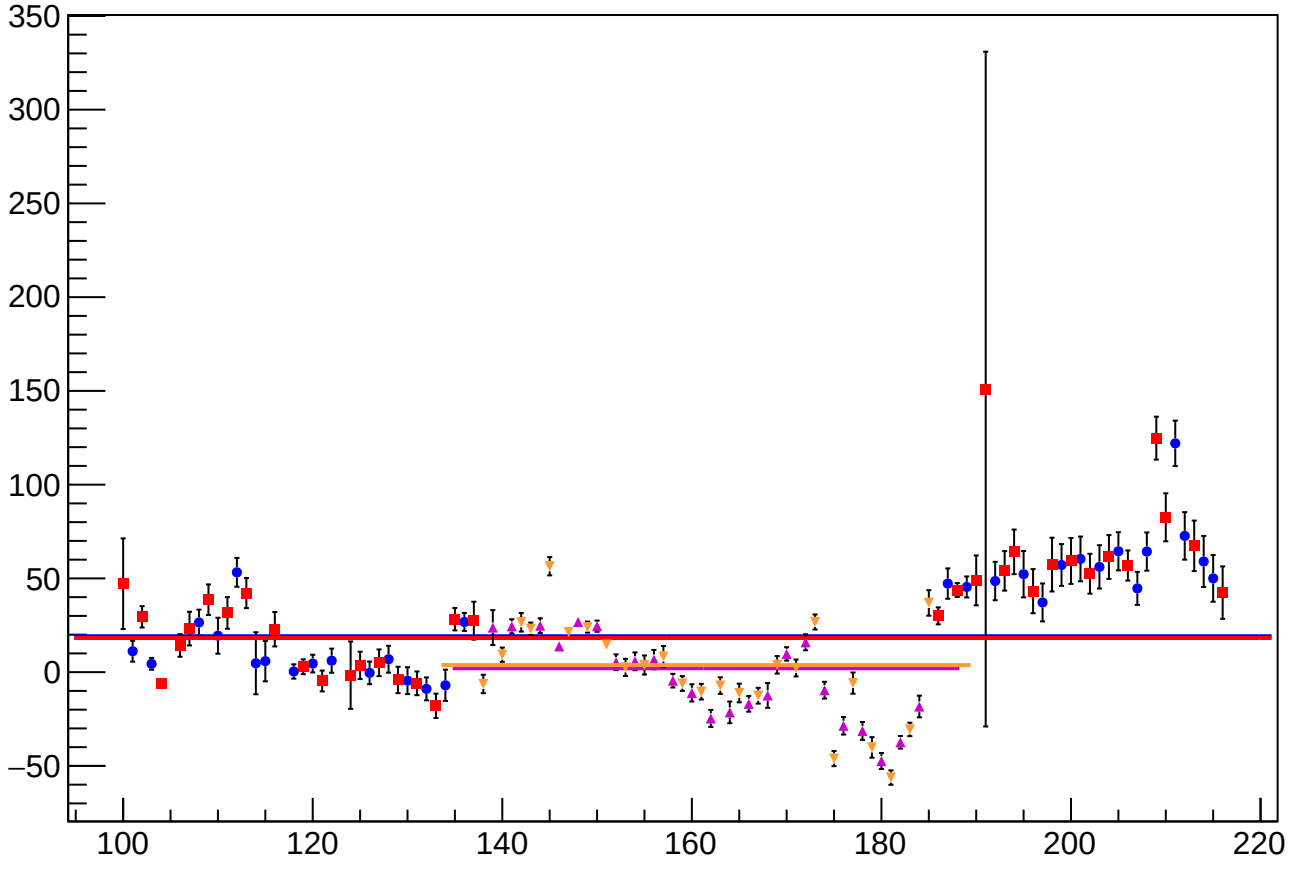
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -221.042+/-0.759 χ^2/NDF: 22197.8/65

In: -212.940+/-0.782 χ^2/NDF:12475.6/53

Out: -216.827+/-0.745 χ^2/NDF:16339.3/59

All: -214.977+/-0.540 χ^2/NDF: 28827.9/113



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: 18.220+/-1.145 χ^2/NDF: 511.1/34

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

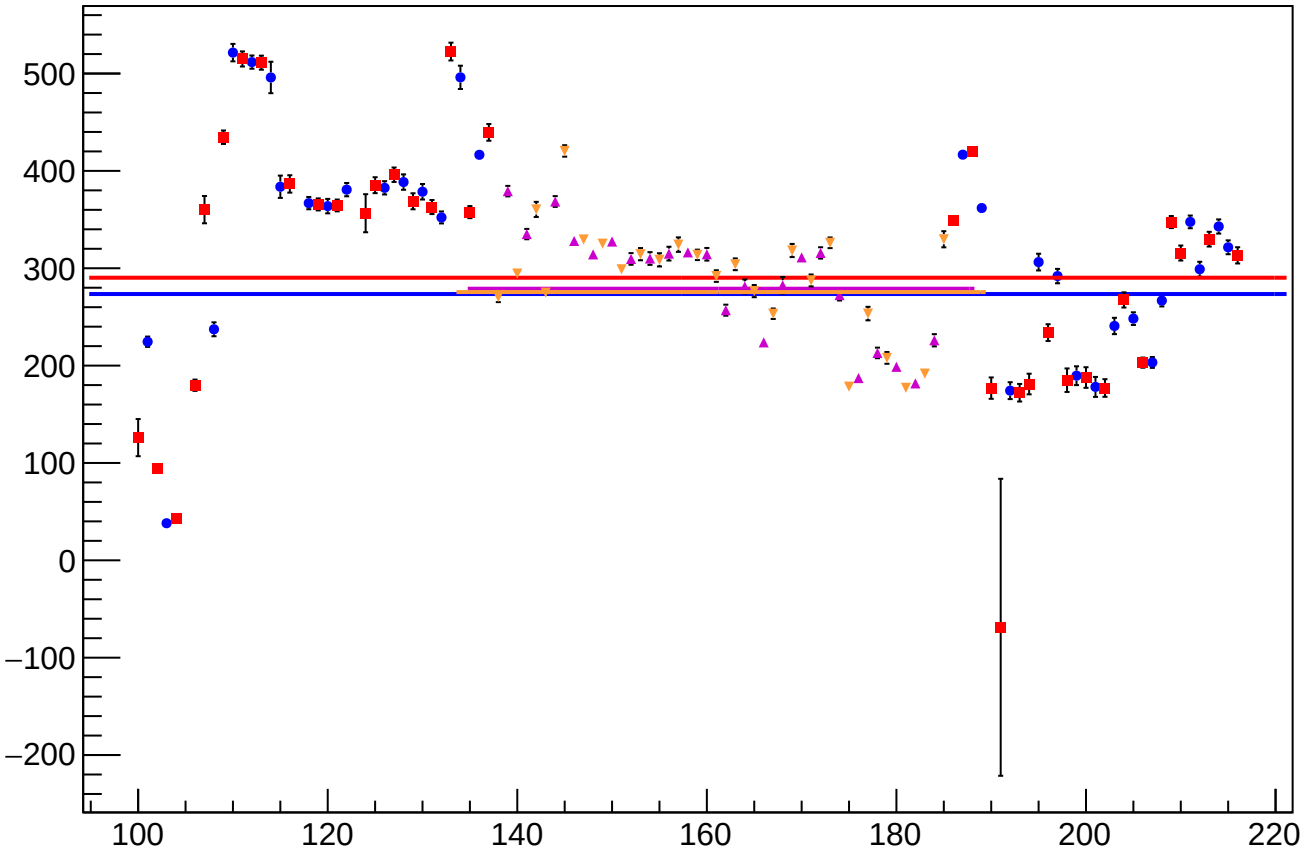
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 18.645+/-0.845 χ^2/NDF: 893.2/65

In: 7.195+/-0.686 χ^2/NDF:1282.0/53

Out: 8.409+/-0.649 χ^2/NDF:1591.4/59

All: 7.836+/-0.471 χ^2/NDF: 2875.0/113



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: 290.275+/-0.982 χ^2/NDF: 22298.8/34

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

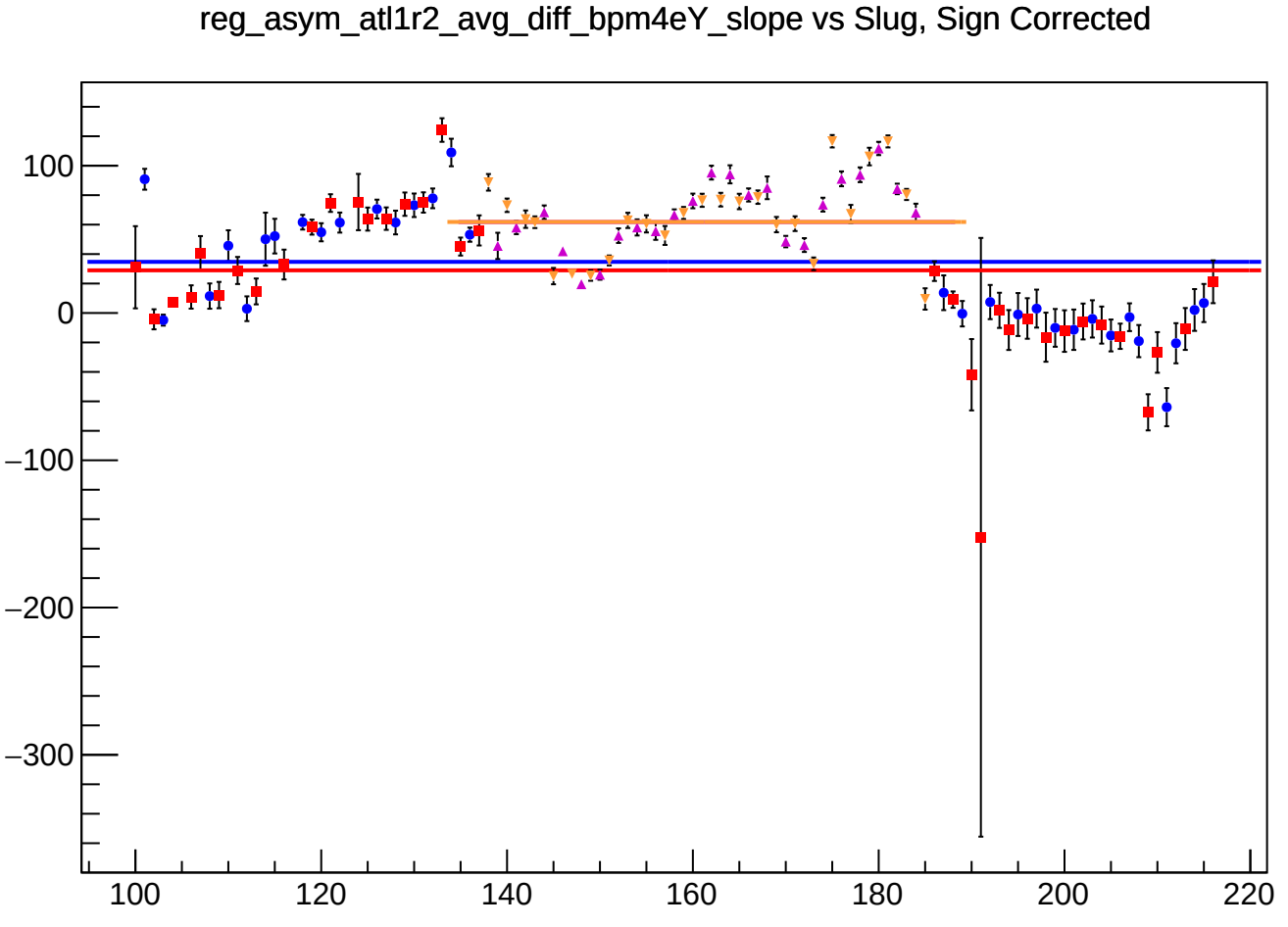
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 282.703+/-0.727 χ^2/NDF: 40478.7/65

In: 276.237+/-0.767 χ^2/NDF:21175.8/53

Out: 283.479+/-0.721 χ^2/NDF:25725.7/59

All: 280.083+/-0.526 χ^2/NDF: 46948.8/113



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: 28.970+/-1.382 χ^2/NDF: 645.0/34

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

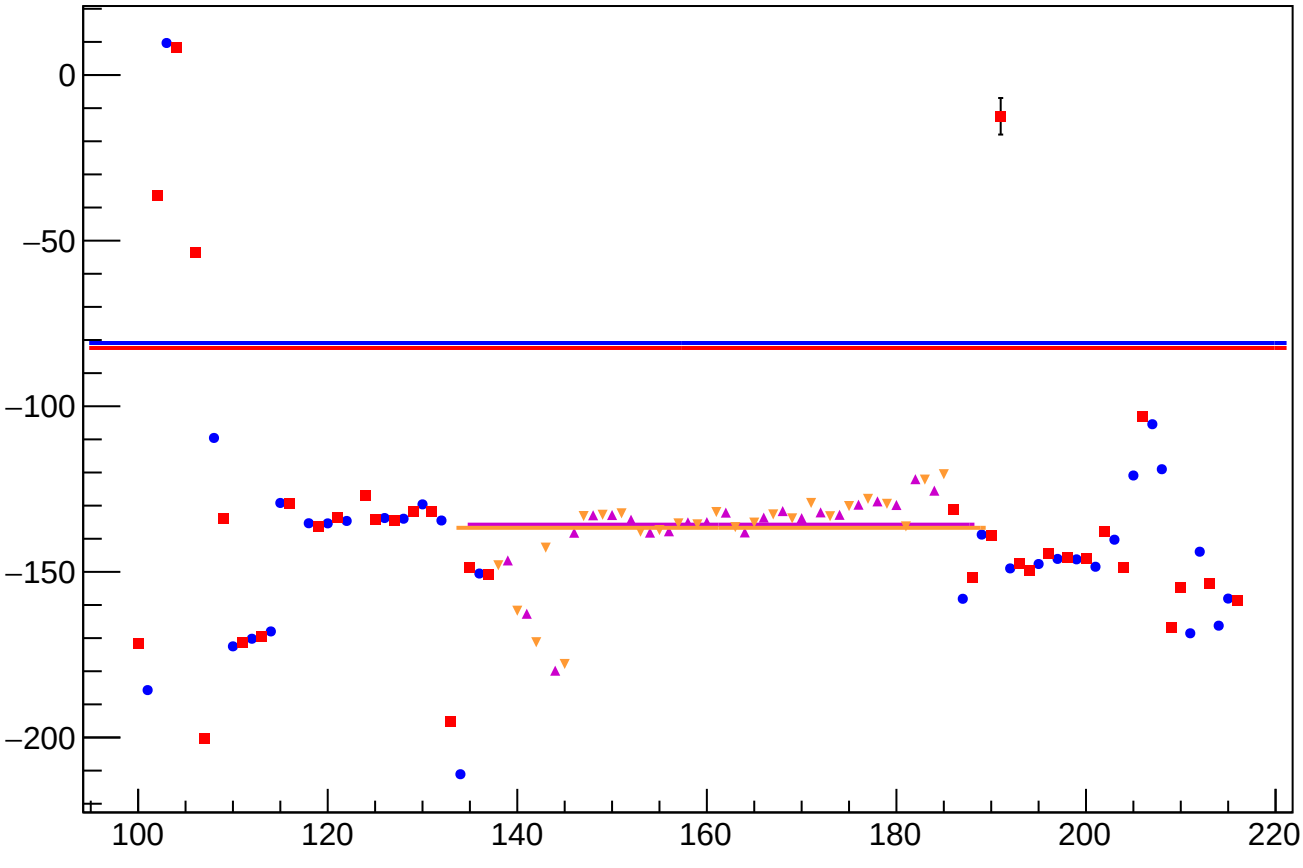
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 31.680+/-1.005 χ^2/NDF: 1310.3/65

In: 53.888+/-0.790 χ^2/NDF:1634.9/53

Out: 51.918+/-0.759 χ^2/NDF:1999.3/59

All: 52.863+/-0.547 χ^2/NDF: 3637.4/113



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: -82.401+/-0.062 χ^2/NDF: 1271541.7/34

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

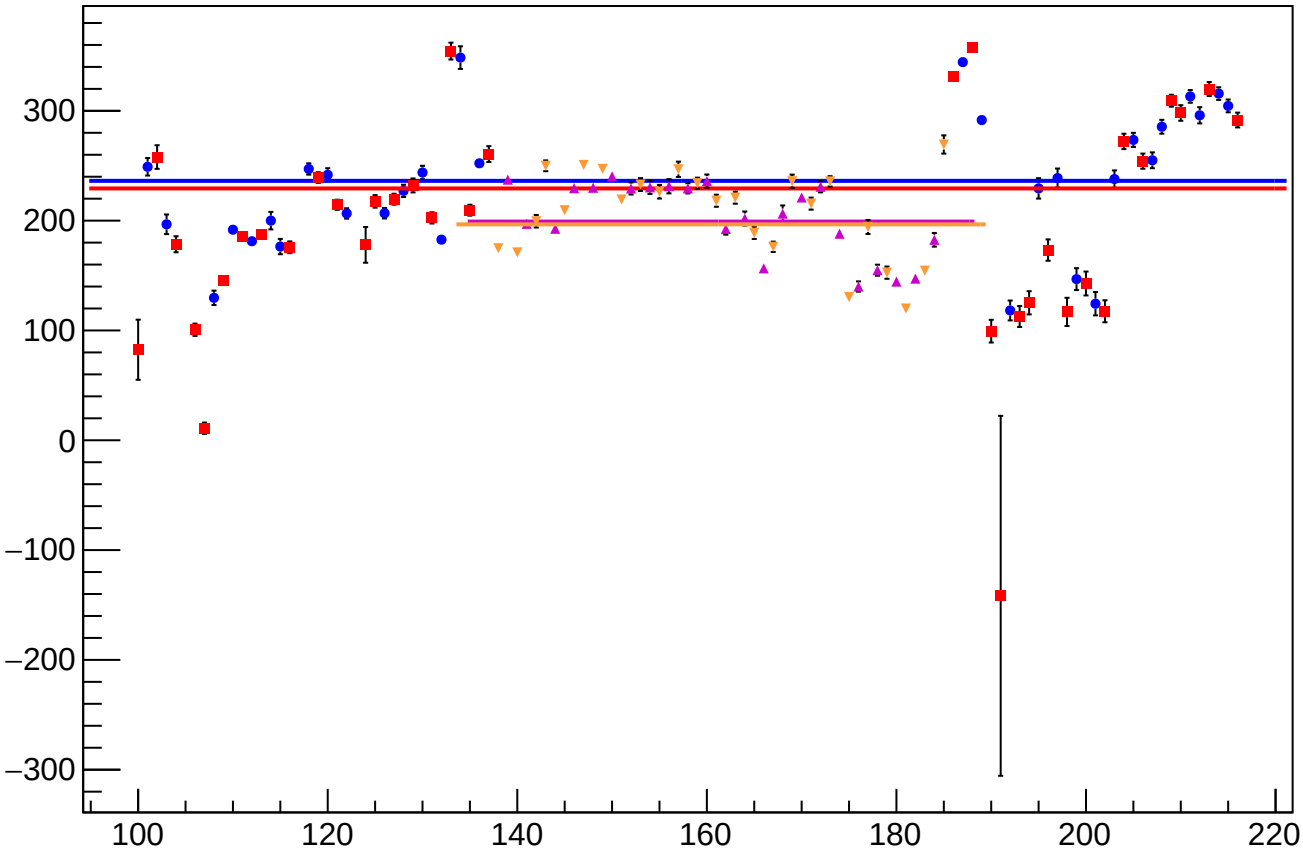
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -81.647+/-0.044 χ^2/NDF: 2854925.0/65

In: -118.023+/-0.035 χ^2/NDF:2177265.1/53

Out: -119.597+/-0.035 χ^2/NDF:1870674.1/59

All: -118.815+/-0.025 χ^2/NDF: 4048945.3/11



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: 229.326+/-0.934 χ^2/NDF: 8822.0/34

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

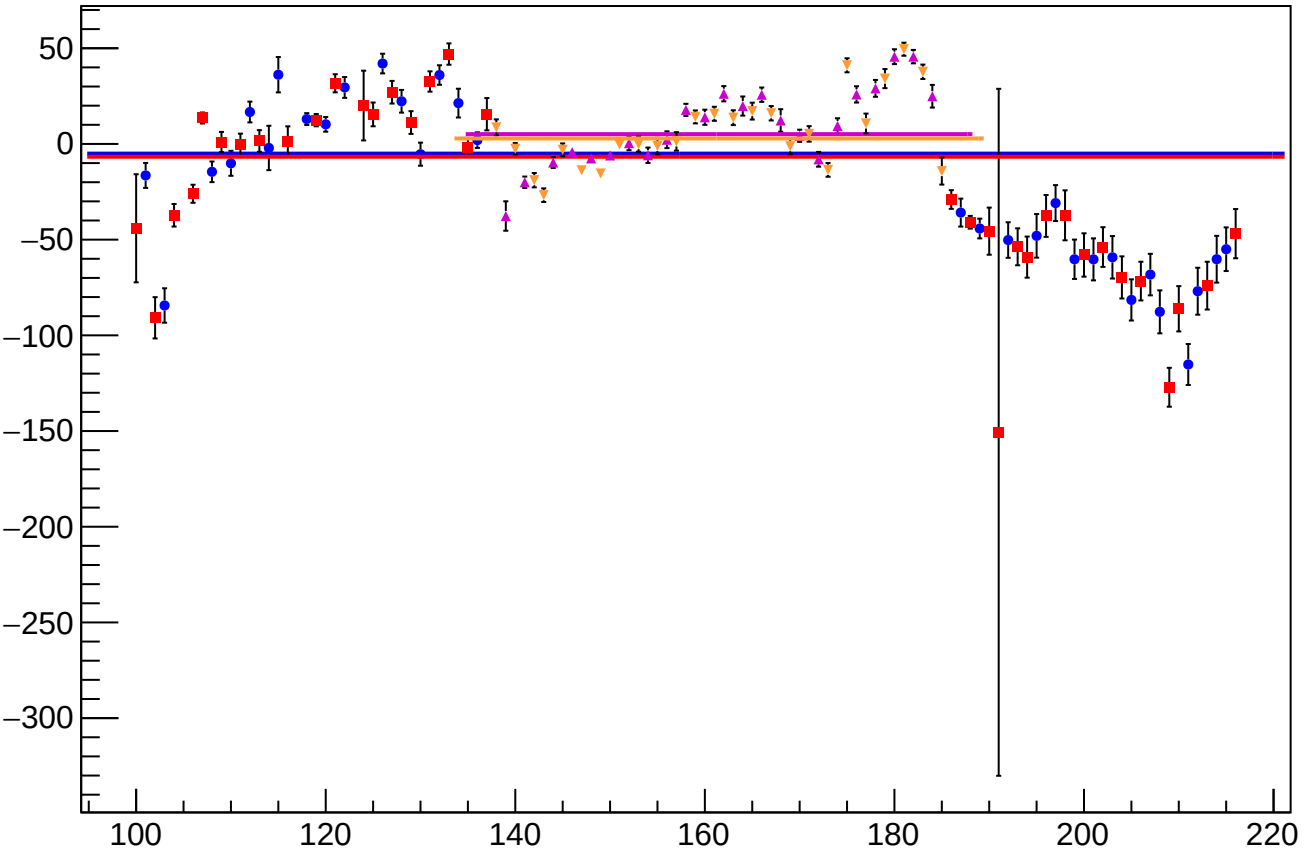
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 232.445+/-0.692 χ^2/NDF: 11760.6/65

In: 216.624+/-0.708 χ^2/NDF:4893.2/53

Out: 213.187+/-0.665 χ^2/NDF:11502.8/59

All: 214.798+/-0.484 χ^2/NDF: 16408.5/113



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: -6.684+/-1.052 χ^2/NDF: 1014.6/34

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

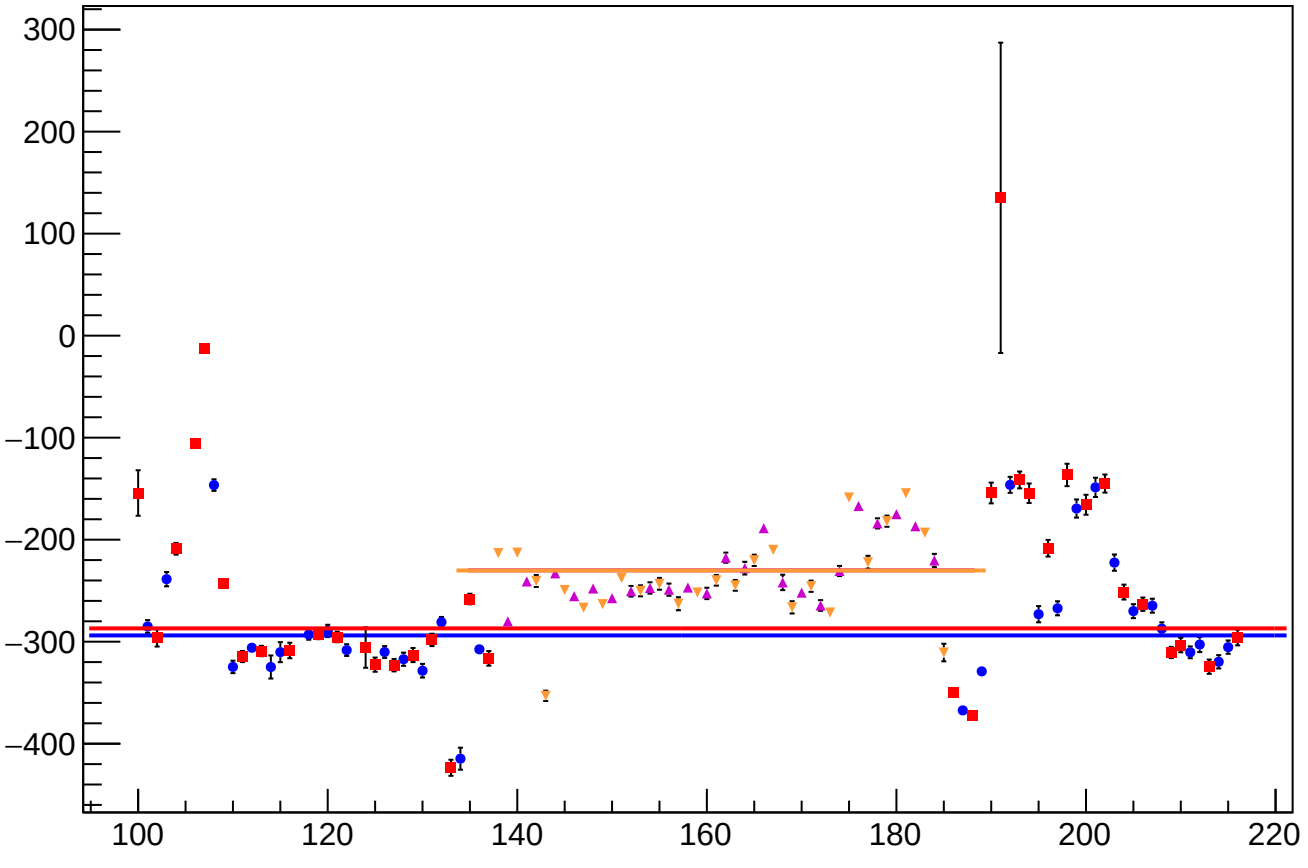
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -5.956+/-0.782 χ^2/NDF: 1929.4/65

In: 2.340+/-0.612 χ^2/NDF:1597.3/53

Out: -0.023+/-0.579 χ^2/NDF:1824.9/59

All: 1.093+/-0.420 χ^2/NDF: 3430.1/113



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: -286.956+/-0.945 χ^2/NDF: 9976.2/34

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

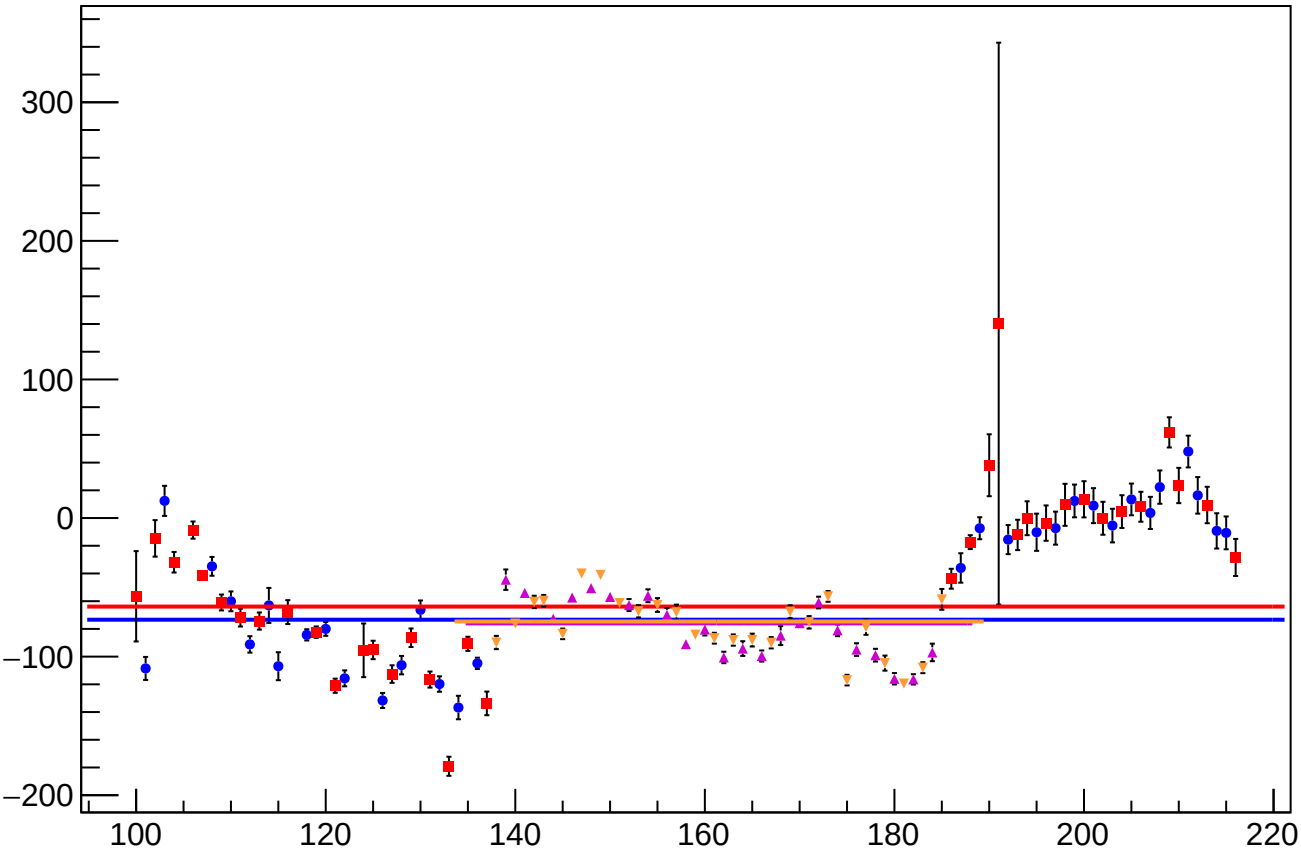
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -289.960+/-0.710 χ^2/NDF: 12410.0/65

In: -258.331+/-0.717 χ^2/NDF:5459.1/53

Out: -258.385+/-0.666 χ^2/NDF:13974.2/59

All: -258.360+/-0.488 χ^2/NDF: 19433.3/113



Right In: -73.365+/-1.361 χ^2/NDF: 1193.2/30

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -63.888+/-1.255 χ^2/NDF: 1424.6/34

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

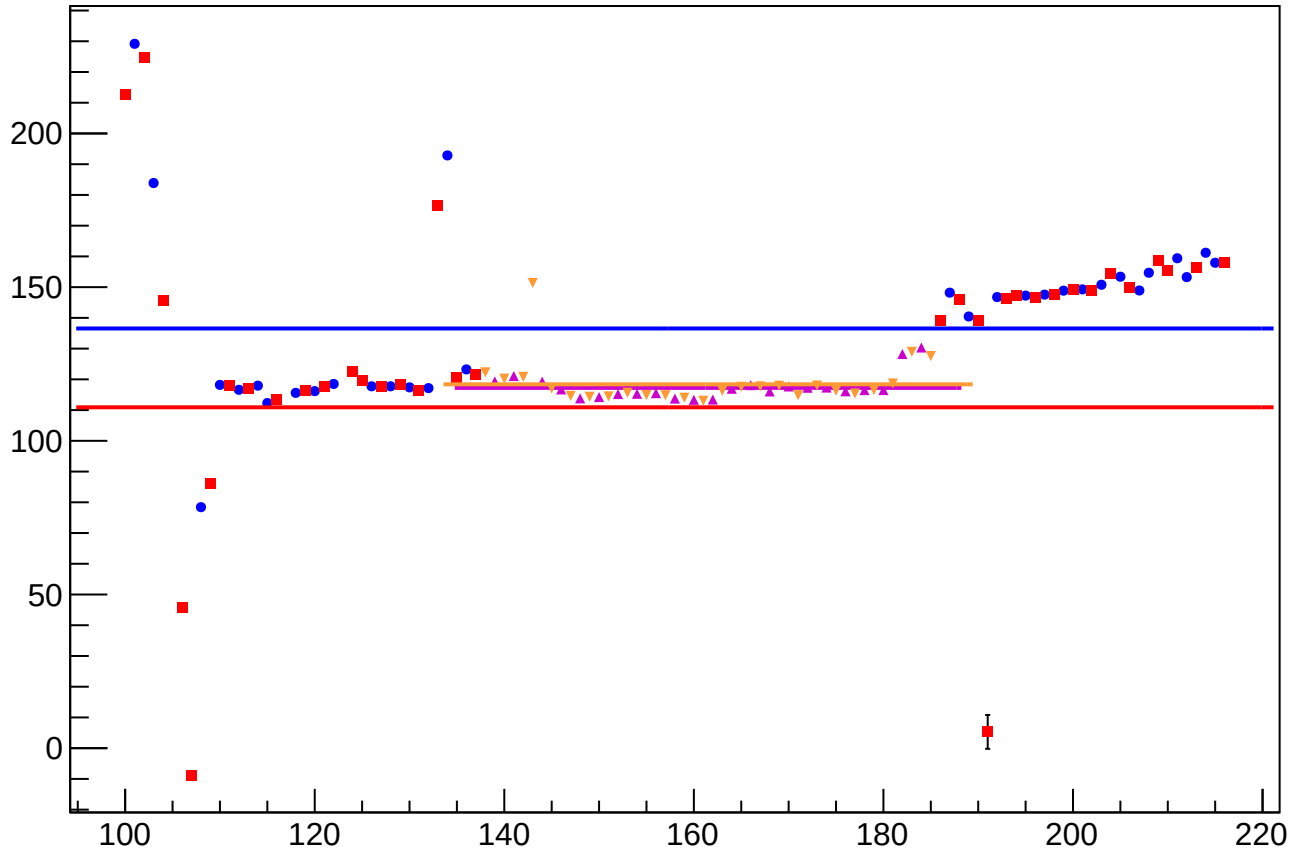
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -68.244+/-0.923 χ^2/NDF: 2644.1/65

In: -75.311+/-0.705 χ^2/NDF:1842.0/53

Out: -71.533+/-0.675 χ^2/NDF:2307.8/59

All: -73.340+/-0.488 χ^2/NDF: 4164.9/113



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: 110.910+/-0.064 χ^2/NDF: 785636.6/34

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

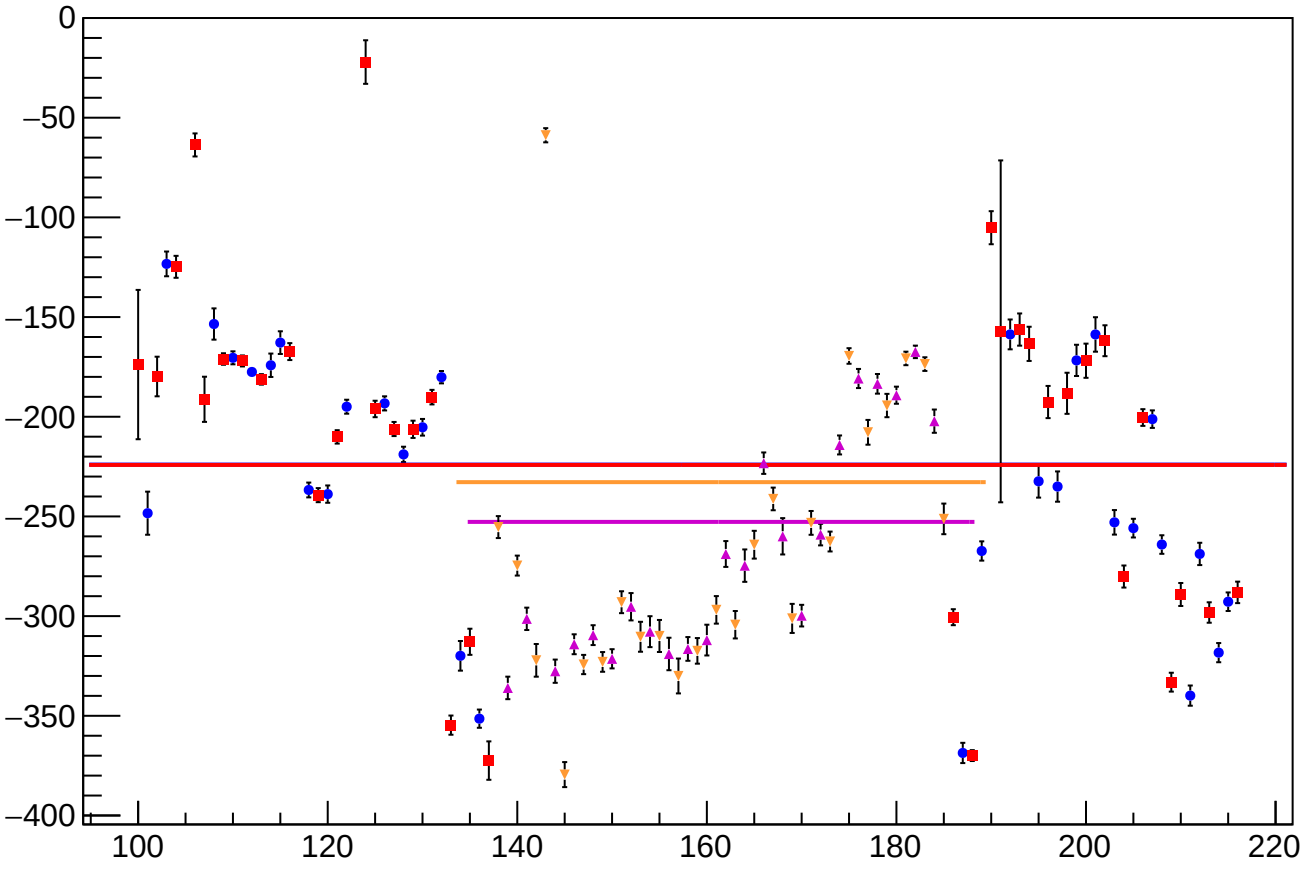
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 122.527+/-0.047 χ^2/NDF: 1063885.7/65

In: 121.509+/-0.033 χ^2/NDF:274605.7/53

Out: 116.495+/-0.032 χ^2/NDF:830720.7/59

All: 118.929+/-0.023 χ^2/NDF: 1117075.7/113



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: -224.159+/-0.794 χ^2/NDF: 8783.9/34

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

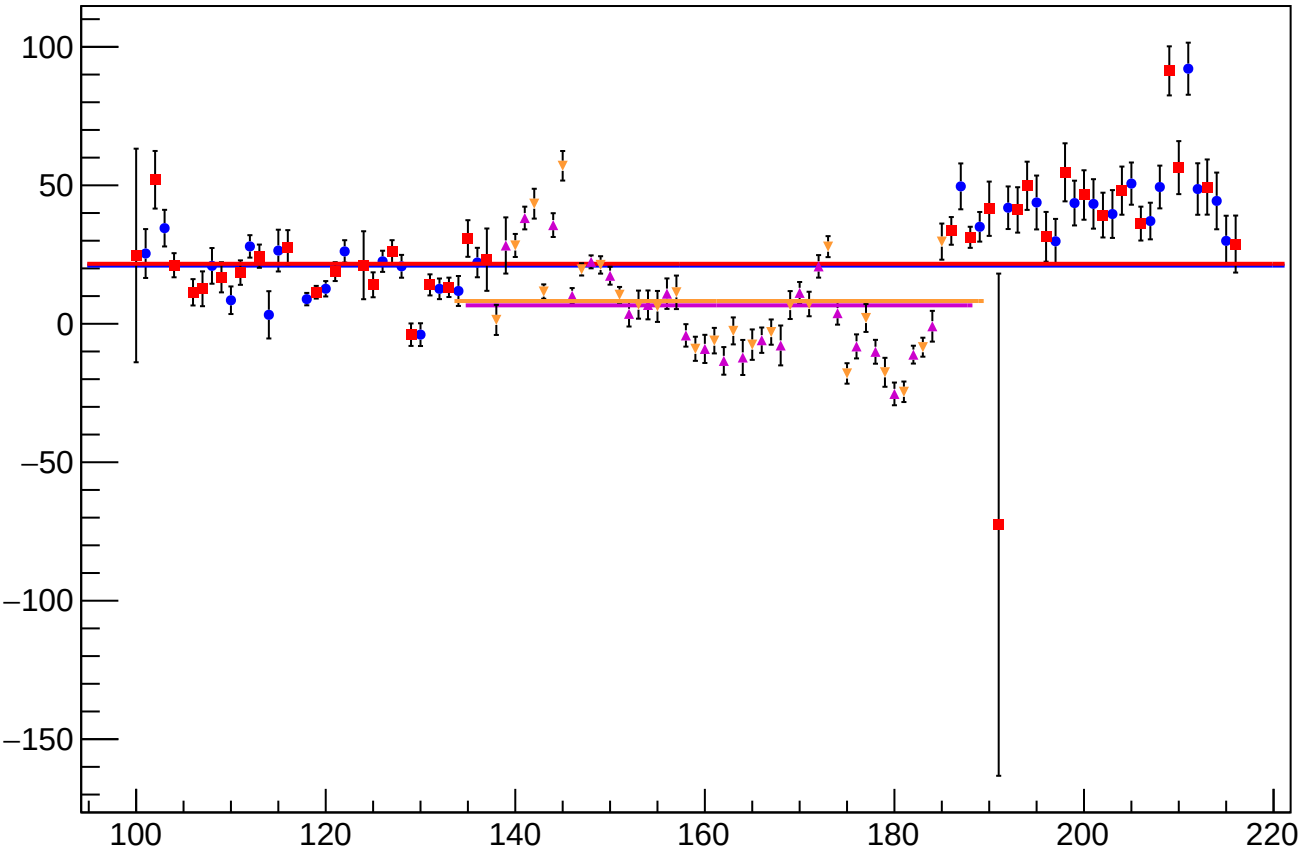
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -224.084+/-0.574 χ^2/NDF: 13715.6/65

In: -234.094+/-0.670 χ^2/NDF:8264.6/53

Out: -227.221+/-0.638 χ^2/NDF:14589.8/59

All: -230.490+/-0.462 χ^2/NDF: 22909.6/113



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: 21.668+/-0.909 χ^2/NDF: 249.1/34

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

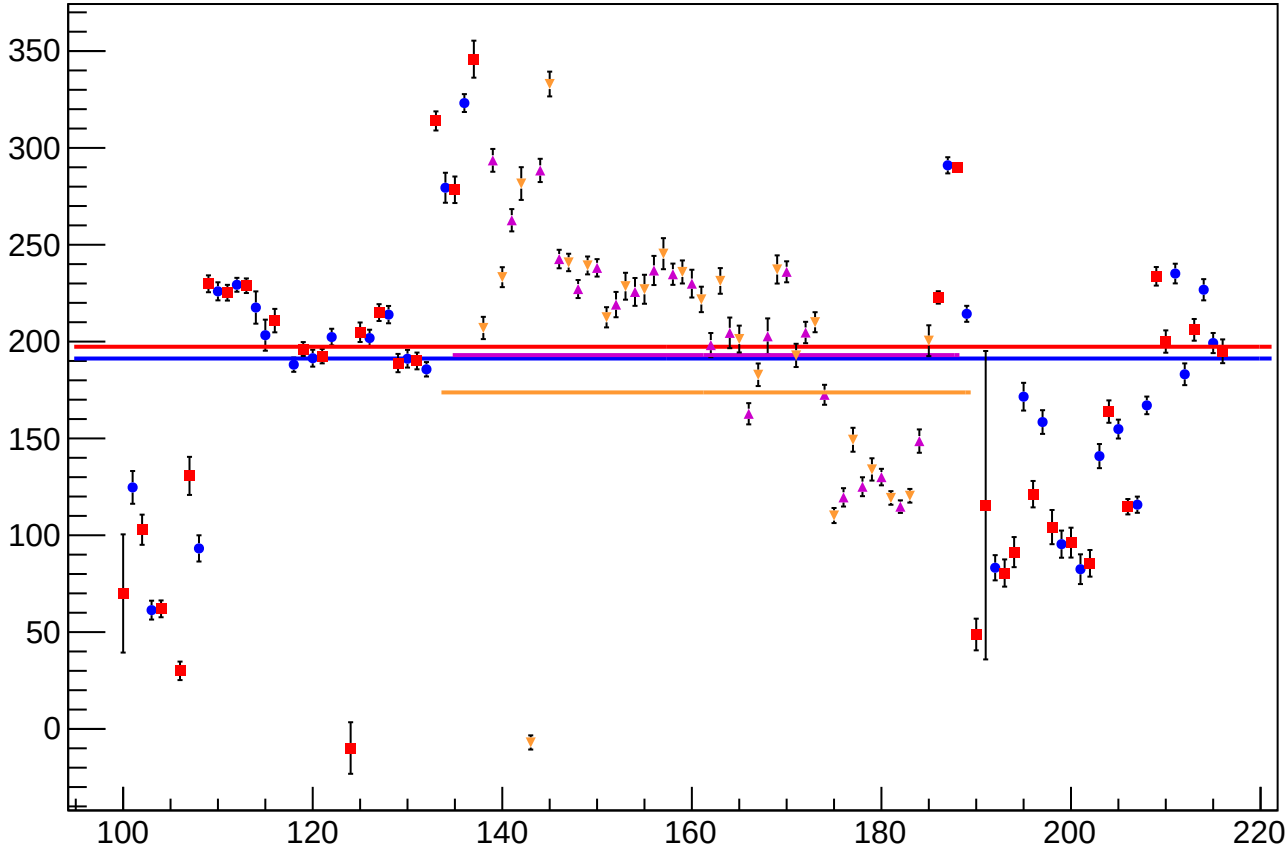
Right: 21.350+/-0.651 χ^2/NDF: 510.9/65

In: 13.229+/-0.632 χ^2/NDF:744.5/53

Out: 14.115+/-0.602 χ^2/NDF:829.9/59

All: 13.694+/-0.436 χ^2/NDF: 1575.4/113

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: 197.338+/-0.843 χ^2/NDF: 7612.2/34

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

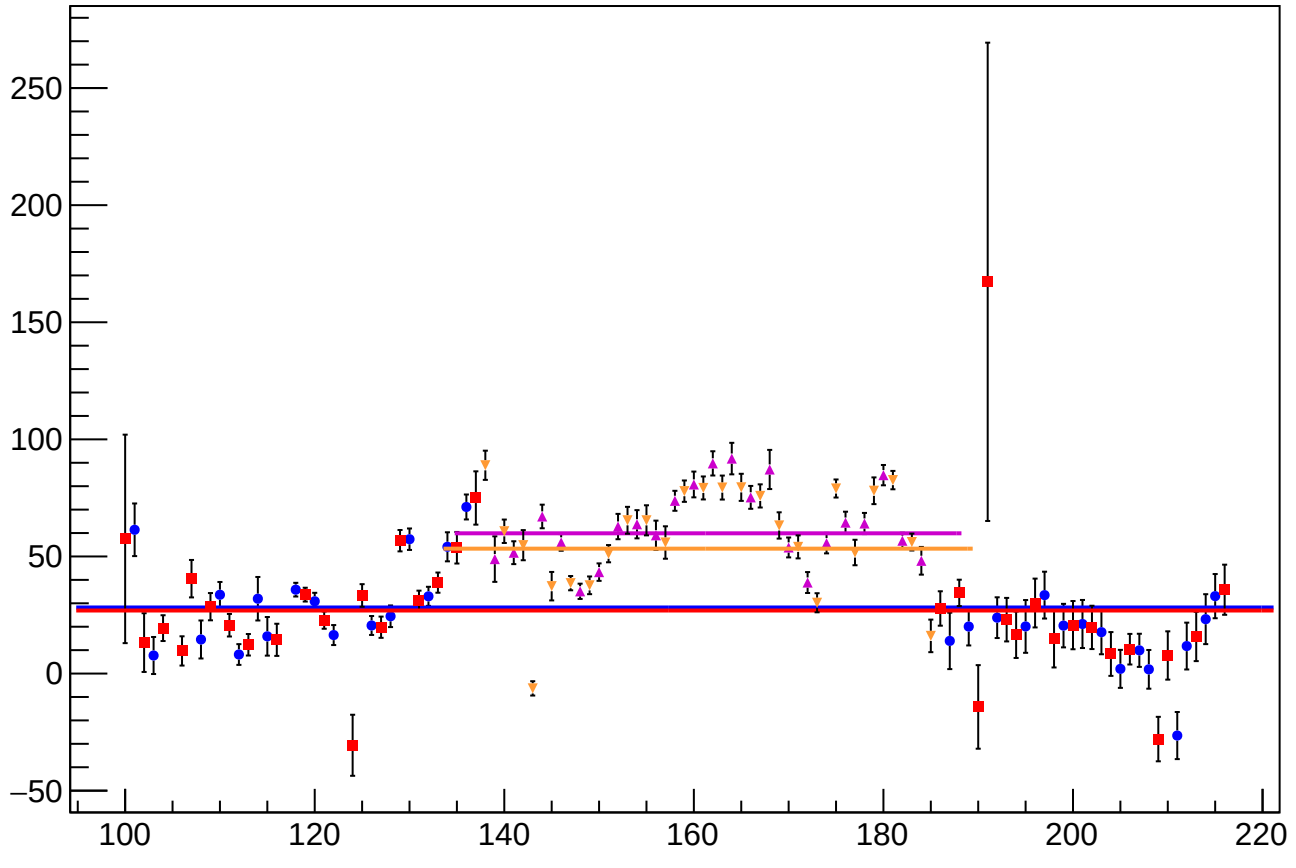
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 194.495+/-0.615 χ^2/NDF: 11686.7/65

In: 191.950+/-0.702 χ^2/NDF:6563.7/53

Out: 188.294+/-0.662 χ^2/NDF:13173.2/59

All: 190.015+/-0.481 χ^2/NDF: 19751.3/113



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: 26.925+/-1.064 χ^2/NDF: 206.0/34

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

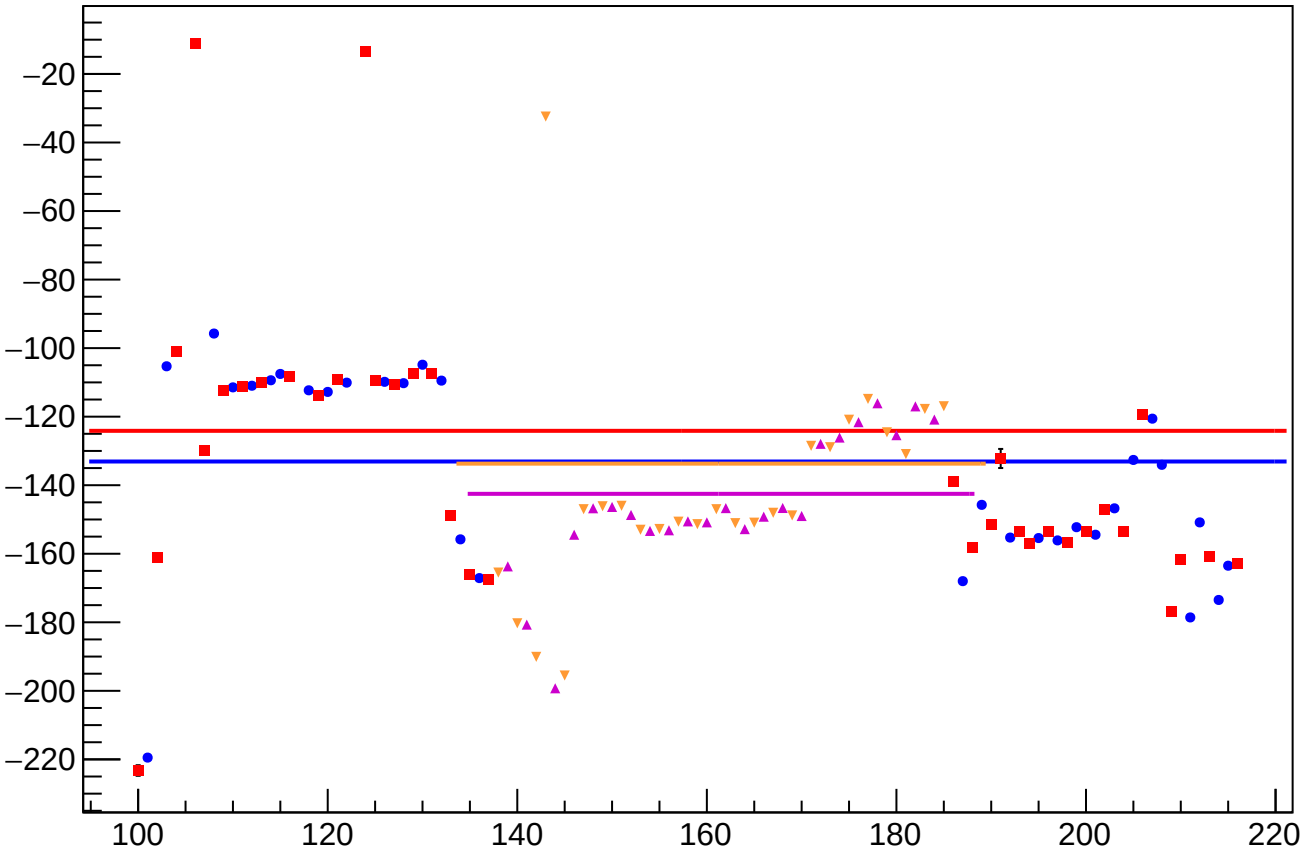
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 27.557+/-0.759 χ^2/NDF: 458.3/65

In: 45.693+/-0.726 χ^2/NDF:973.9/53

Out: 42.008+/-0.697 χ^2/NDF:1336.9/59

All: 43.775+/-0.503 χ^2/NDF: 2324.2/113



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: -124.133+/-0.057 χ^2/NDF: 526790.0/34

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

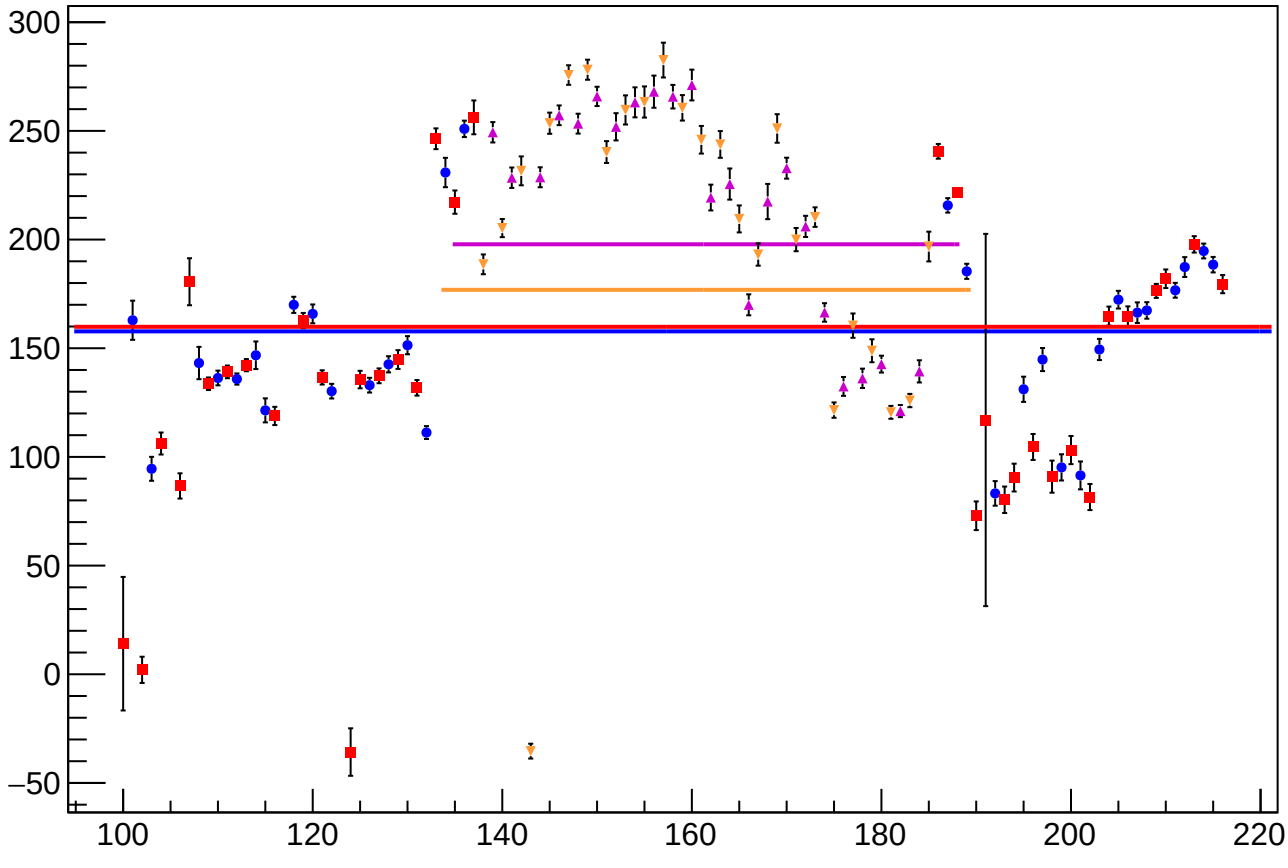
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -128.441+/-0.041 χ^2/NDF: 733780.0/65

In: -139.140+/-0.036 χ^2/NDF:389885.5/53

Out: -130.277+/-0.034 χ^2/NDF:1220630.6/59

All: -134.546+/-0.025 χ^2/NDF: 1642665.1/11



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: 159.861+/-0.700 χ^2/NDF: 5203.2/34

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

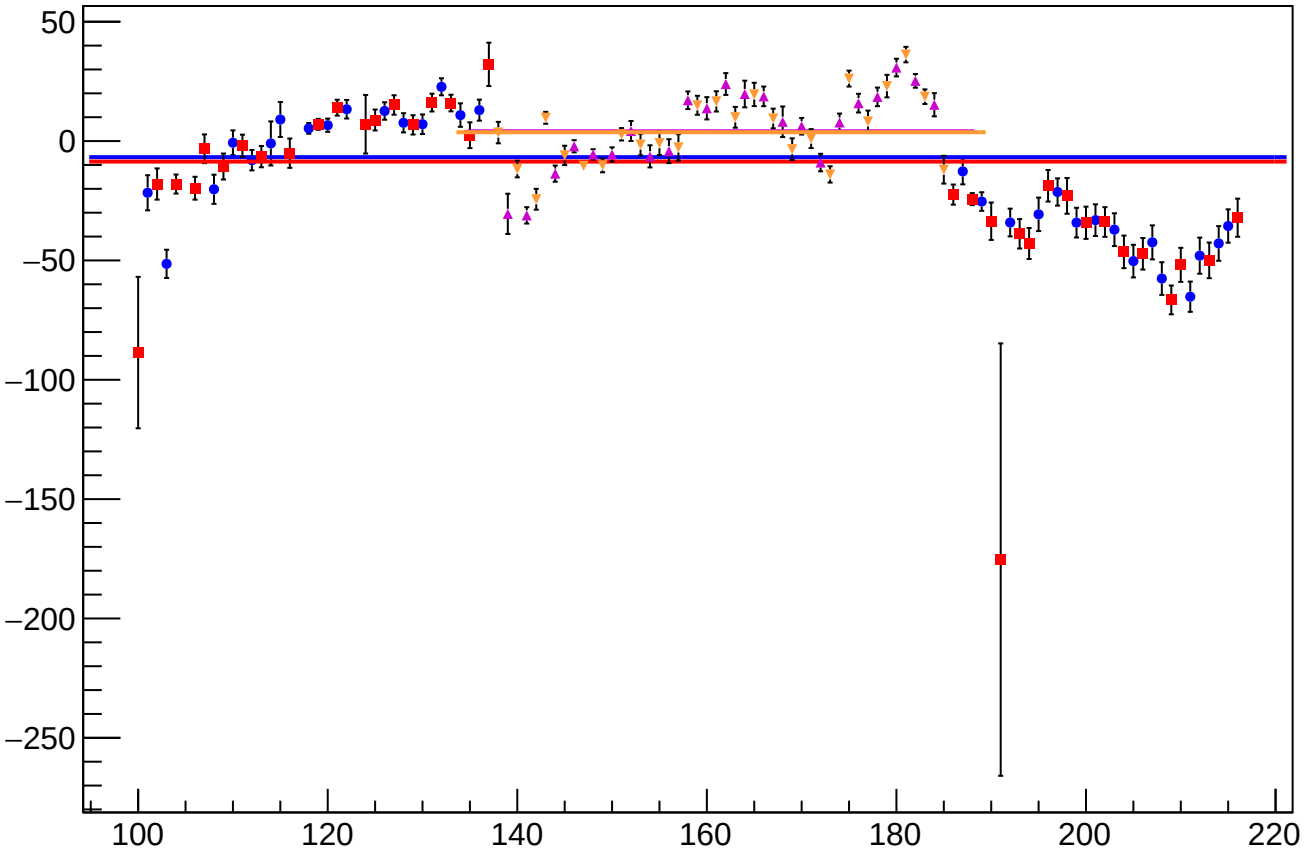
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 158.869+/-0.508 χ^2/NDF: 7696.6/65

In: 171.816+/-0.596 χ^2/NDF:6486.7/53

Out: 165.793+/-0.565 χ^2/NDF:12833.8/59

All: 168.645+/-0.410 χ^2/NDF: 19374.3/113



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: -8.594+/-0.824 χ^2/NDF: 685.1/34

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

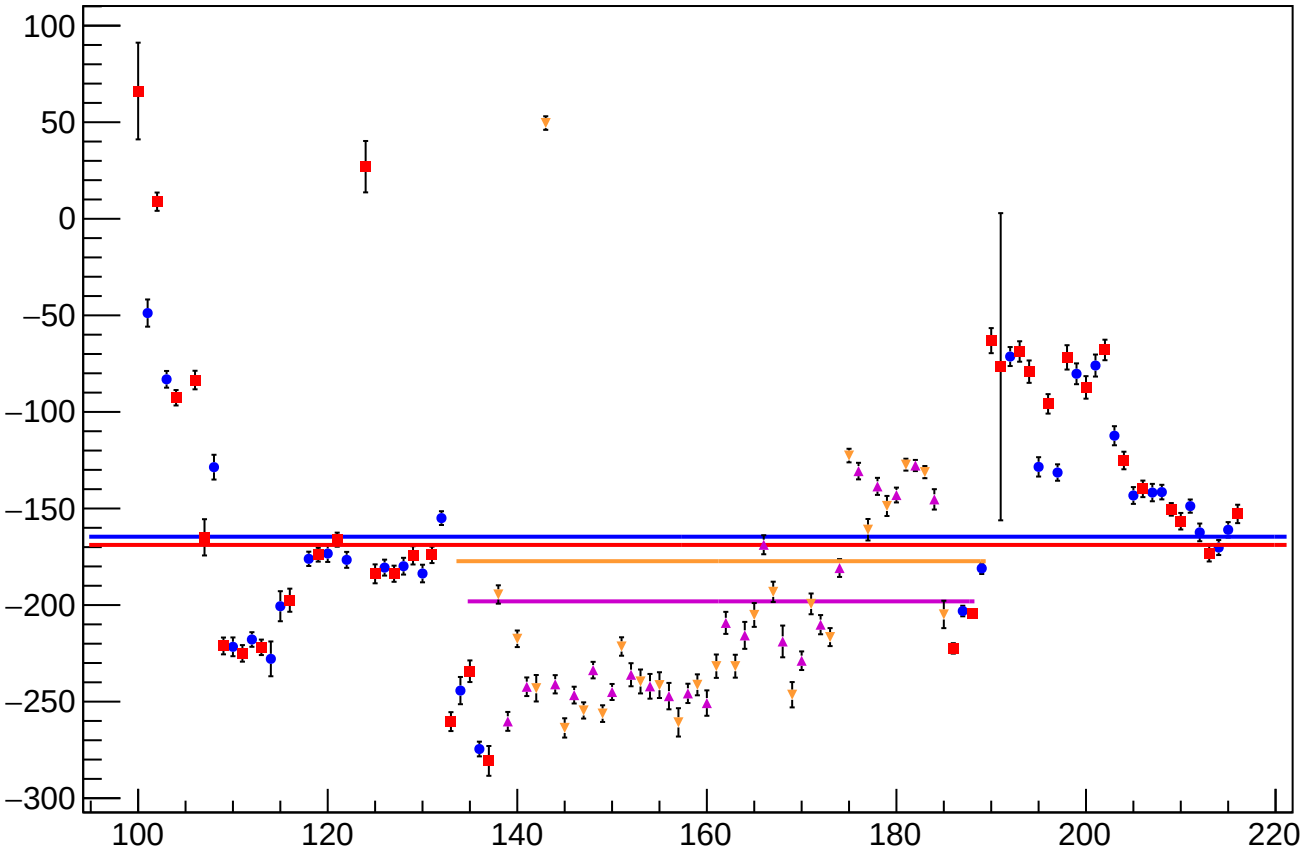
Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

Right: -7.706+/-0.595 χ^2/NDF: 1389.1/65

In: -0.719+/-0.573 χ^2/NDF:1189.0/53

Out: -1.646+/-0.544 χ^2/NDF:1211.9/59

All: -1.206+/-0.394 χ^2/NDF: 2402.2/113



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: -168.863+/-0.706 χ^2/NDF: 6705.1/34

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

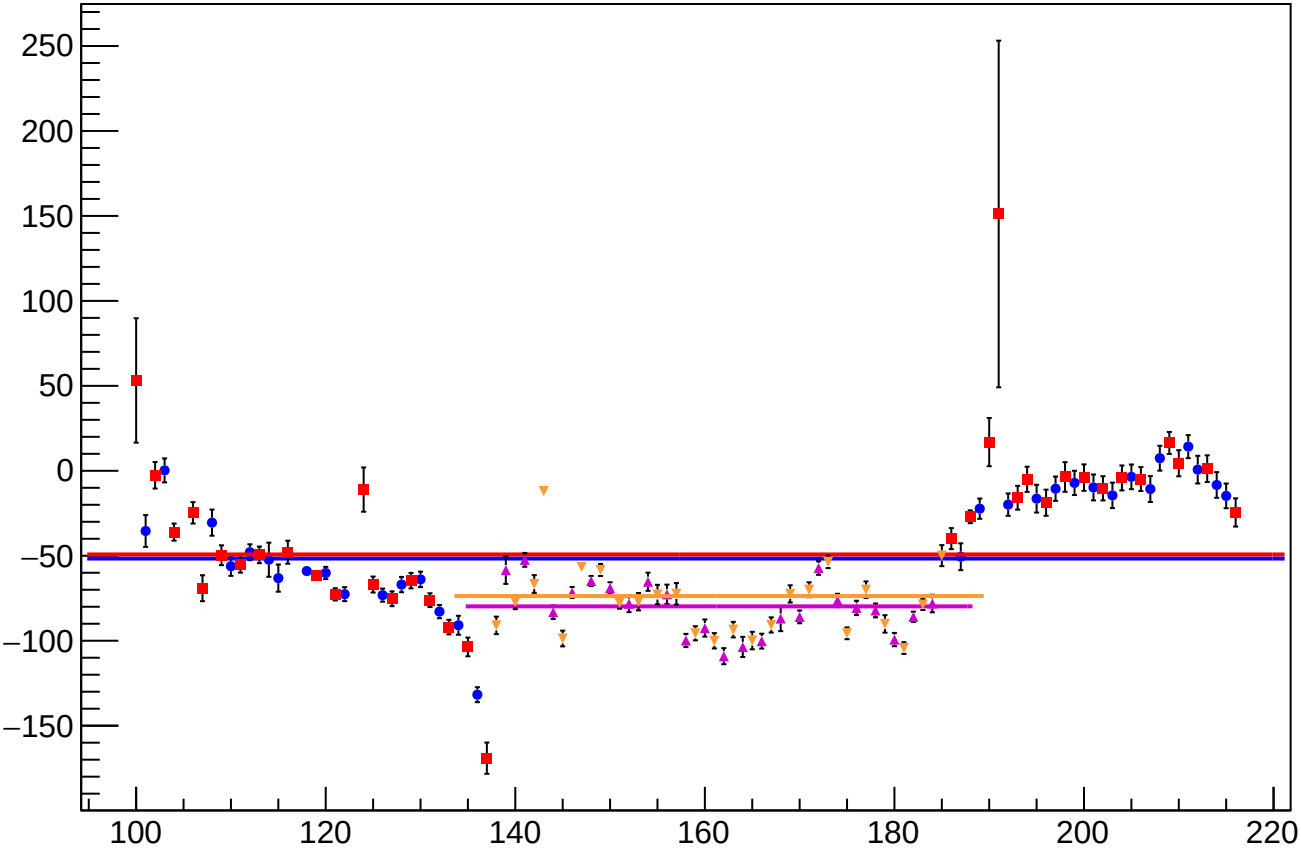
Right: -166.923+/-0.521 χ^2/NDF: 10230.2/65

In: -177.102+/-0.611 χ^2/NDF:6597.3/53

Out: -171.835+/-0.568 χ^2/NDF:13795.3/59

All: -174.277+/-0.416 χ^2/NDF: 20432.5/113

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -49.228+/-0.975 χ^2/NDF: 1121.4/34

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

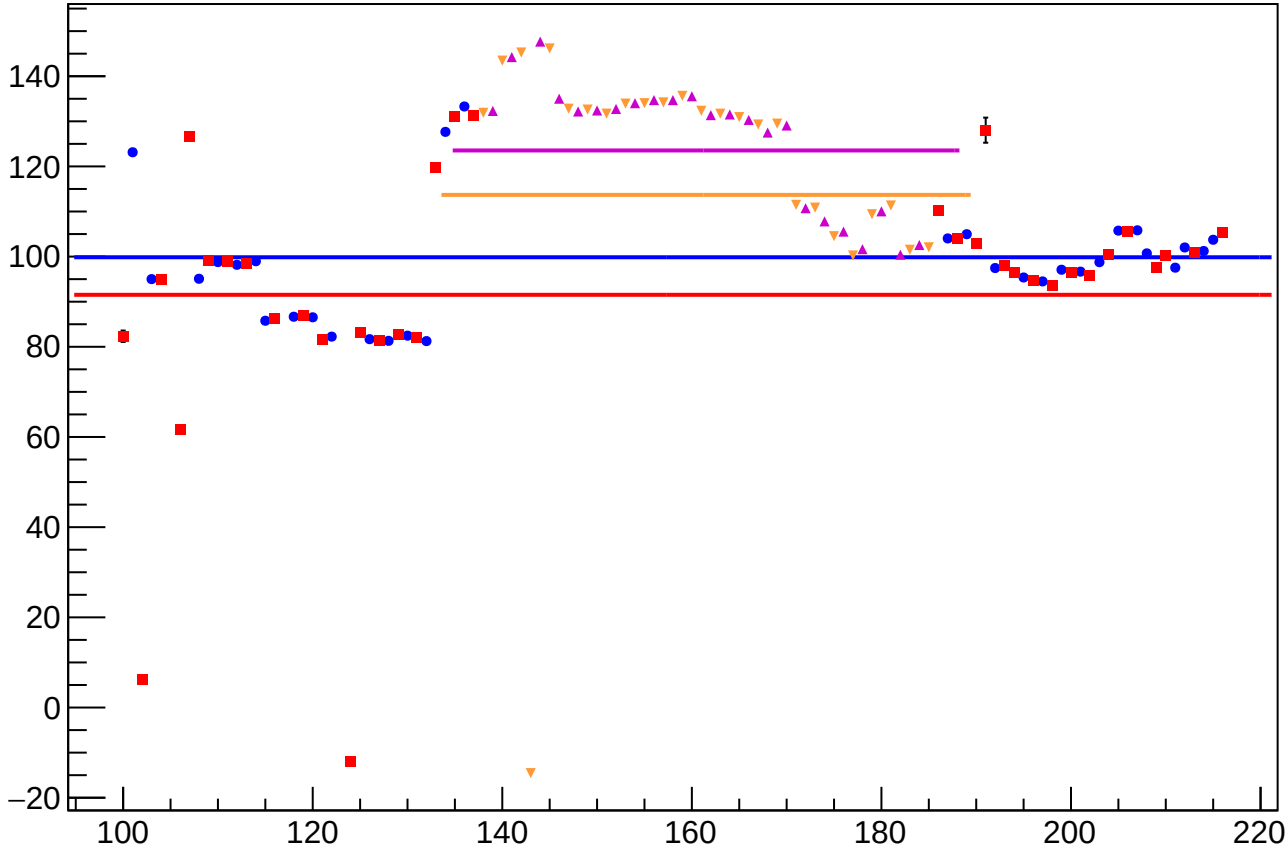
Right: -50.399+/-0.698 χ^2/NDF: 2249.0/65

In: -67.577+/-0.658 χ^2/NDF:1851.3/53

Out: -63.437+/-0.631 χ^2/NDF:2326.9/59

All: -65.422+/-0.456 χ^2/NDF: 4198.8/113

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 91.527+/-0.049 χ^2/NDF: 290364.3/34

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

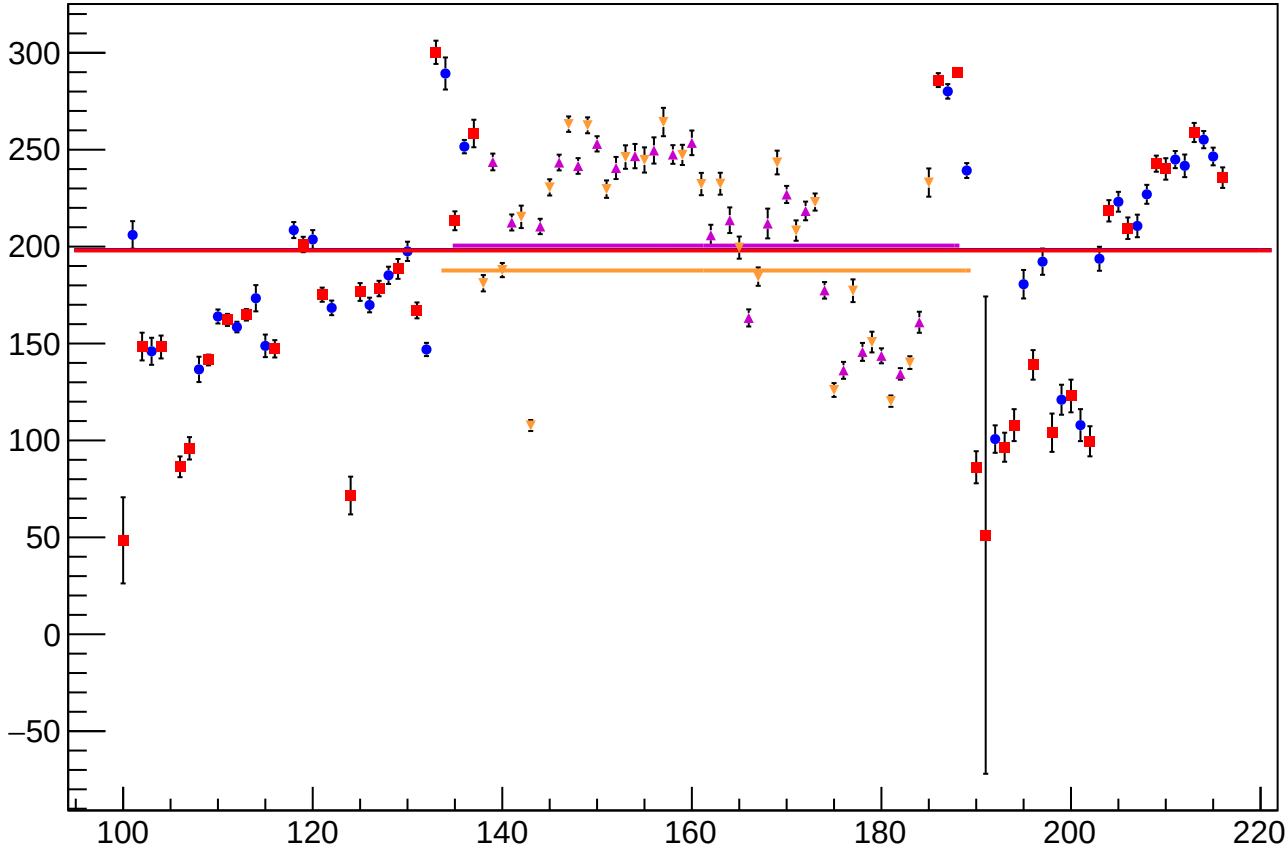
Right: 95.482+/-0.035 χ^2/NDF: 374335.7/65

In: 114.734+/-0.031 χ^2/NDF:337717.0/53

Out: 105.264+/-0.030 χ^2/NDF:1380367.9/59

All: 109.815+/-0.022 χ^2/NDF: 1765329.9/113

reg_asym_atl_dd_atr_dd_avg_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: 198.018+/-0.783 χ^2/NDF: 6422.7/34

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

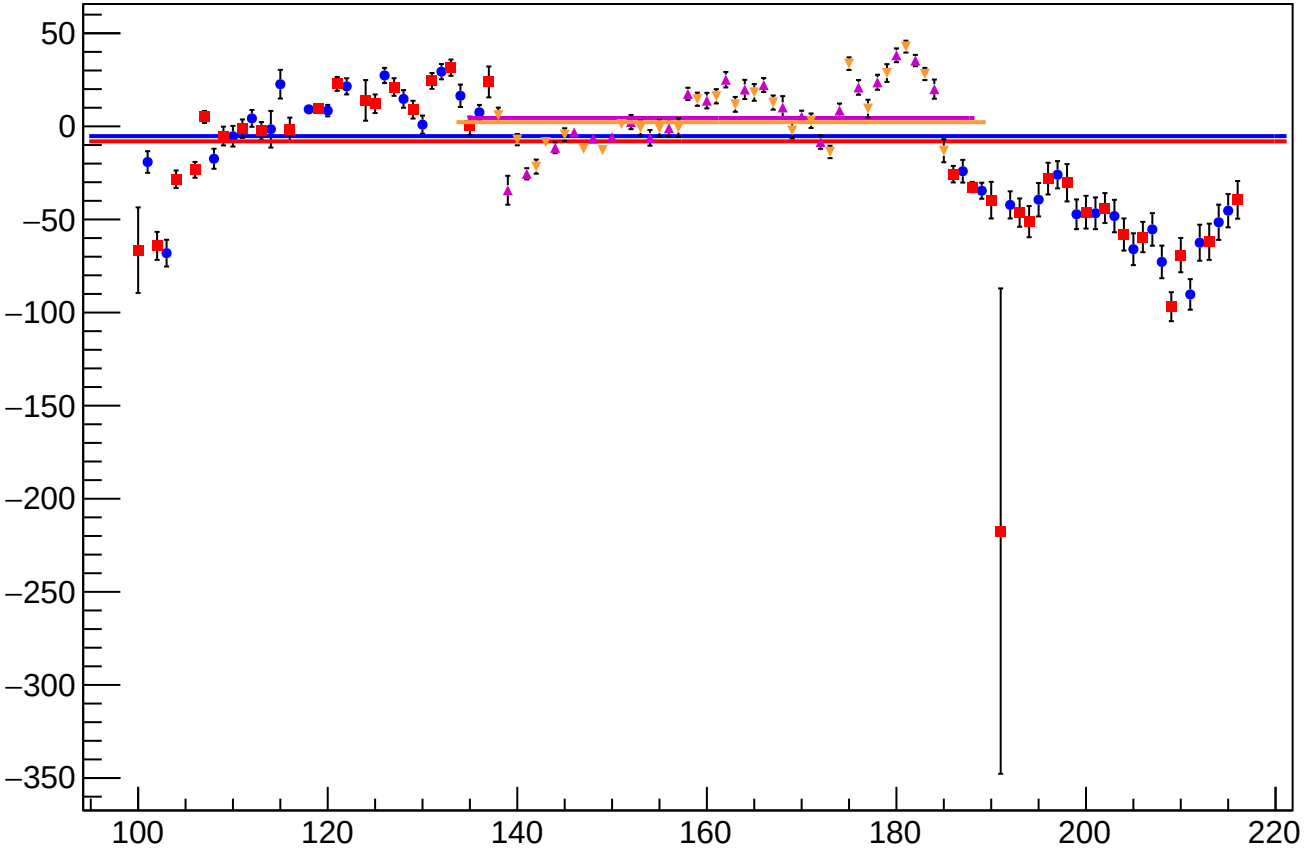
Right: 198.126+/-0.576 χ^2/NDF: 9189.2/65

In: 199.254+/-0.635 χ^2/NDF:4881.1/53

Out: 193.550+/-0.590 χ^2/NDF:10026.3/59

All: 196.196+/-0.432 χ^2/NDF: 14950.7/113

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: -8.050+/-0.898 χ^2/NDF: 955.9/34

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

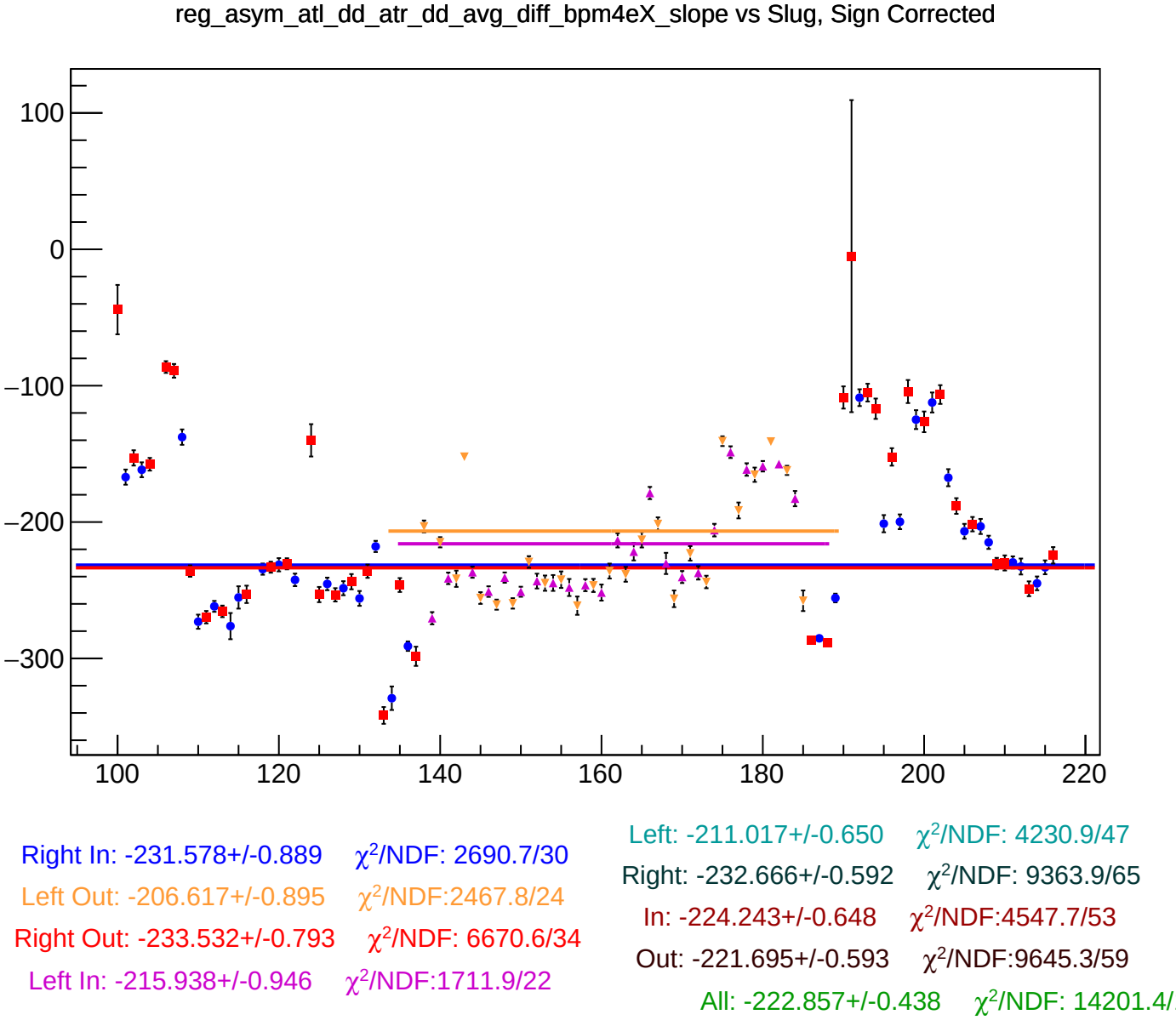
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

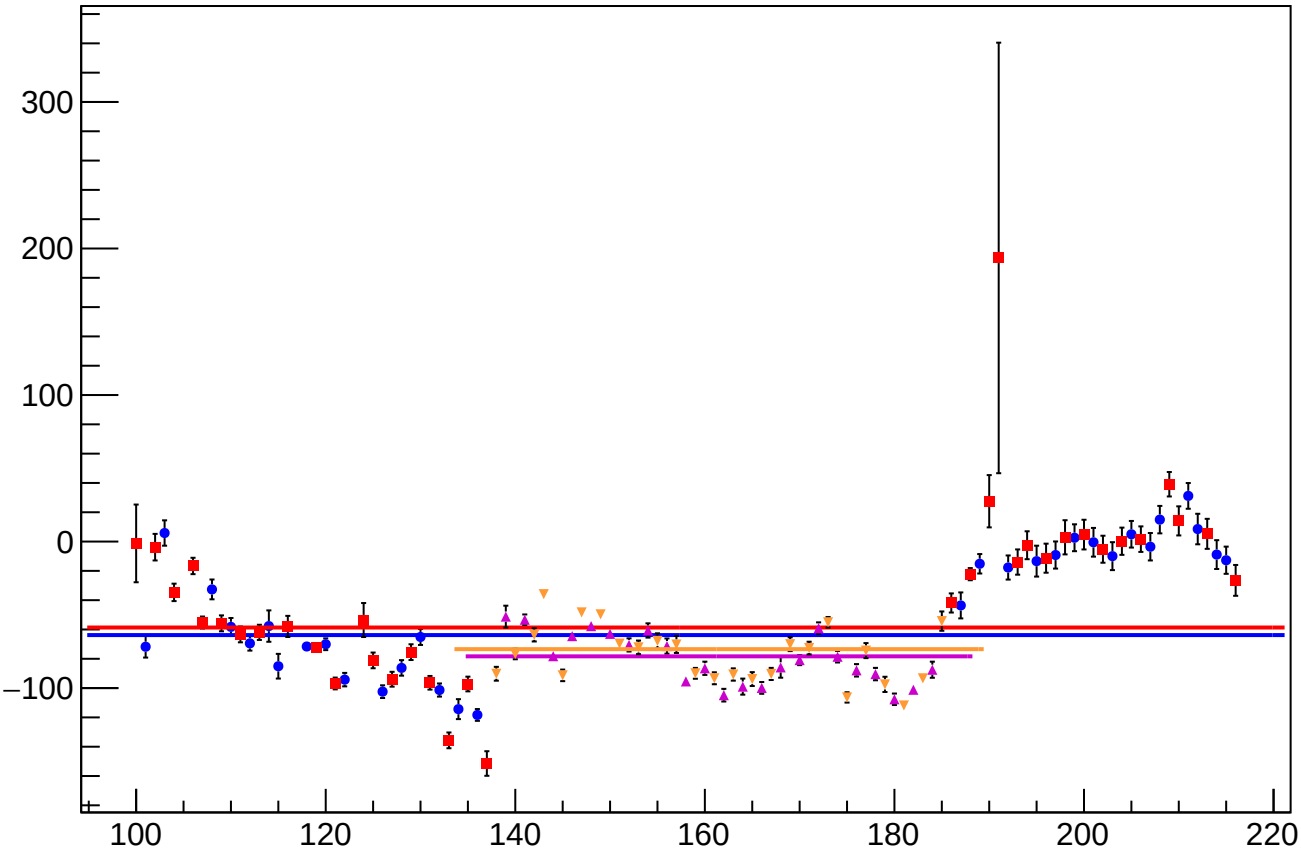
Right: -6.751+/-0.658 χ^2/NDF: 1842.3/65

In: 1.070+/-0.574 χ^2/NDF:1494.8/53

Out: -1.397+/-0.534 χ^2/NDF:1641.7/59

All: -0.253+/-0.391 χ^2/NDF: 3146.4/113


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: -233.532+/-0.793 χ²/NDF: 6670.6/34
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -232.666+/-0.592 χ²/NDF: 9363.9/65
In: -224.243+/-0.648 χ²/NDF:4547.7/53
Out: -221.695+/-0.593 χ²/NDF:9645.3/59
All: -222.857+/-0.438 χ²/NDF: 14201.4/113



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: -58.659+/-1.068 χ^2/NDF: 1372.3/34

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

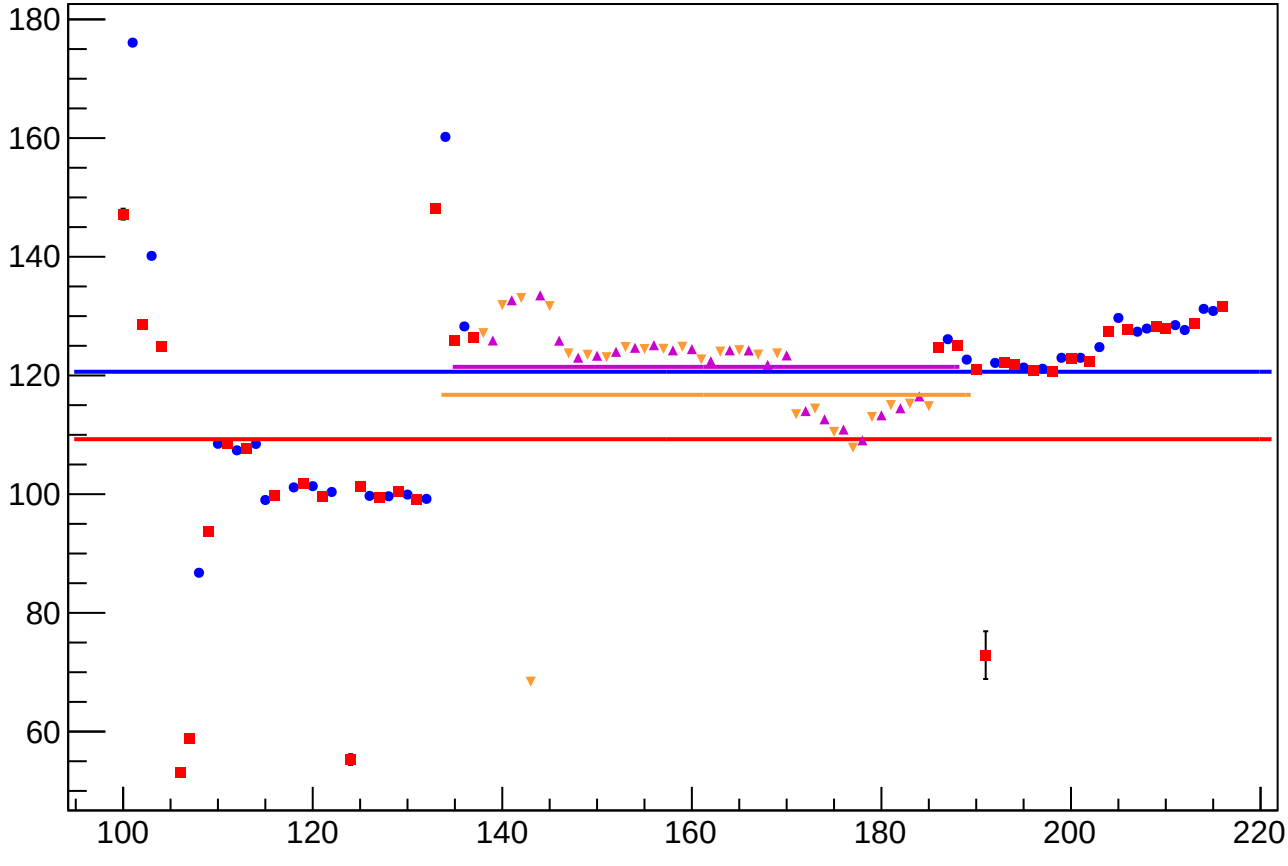
Right: -61.100+/-0.775 χ^2/NDF: 2608.2/65

In: -73.329+/-0.662 χ^2/NDF:1776.7/53

Out: -68.401+/-0.623 χ^2/NDF:2335.0/59

All: -70.716+/-0.454 χ^2/NDF: 4141.1/113

reg_asym_atl_dd_atr_dd_avg_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: 109.261+/-0.055 χ^2/NDF: 215143.7/34

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

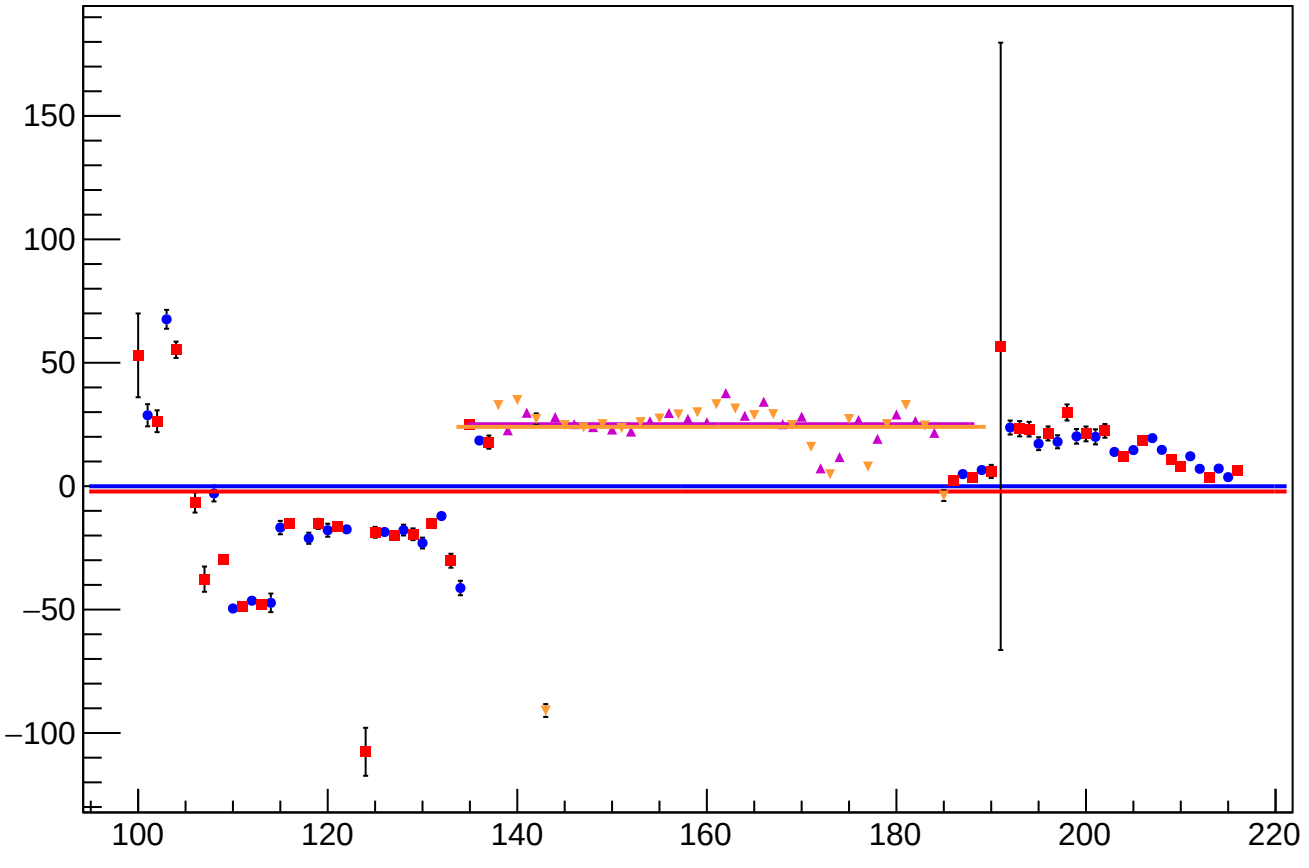
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 114.488+/-0.040 χ^2/NDF: 334937.8/65

In: 121.221+/-0.032 χ^2/NDF:128835.4/53

Out: 114.493+/-0.030 χ^2/NDF:431896.7/59

All: 117.683+/-0.022 χ^2/NDF: 584647.4/113



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: -2.161+/-0.346 χ^2/NDF: 3915.3/34

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

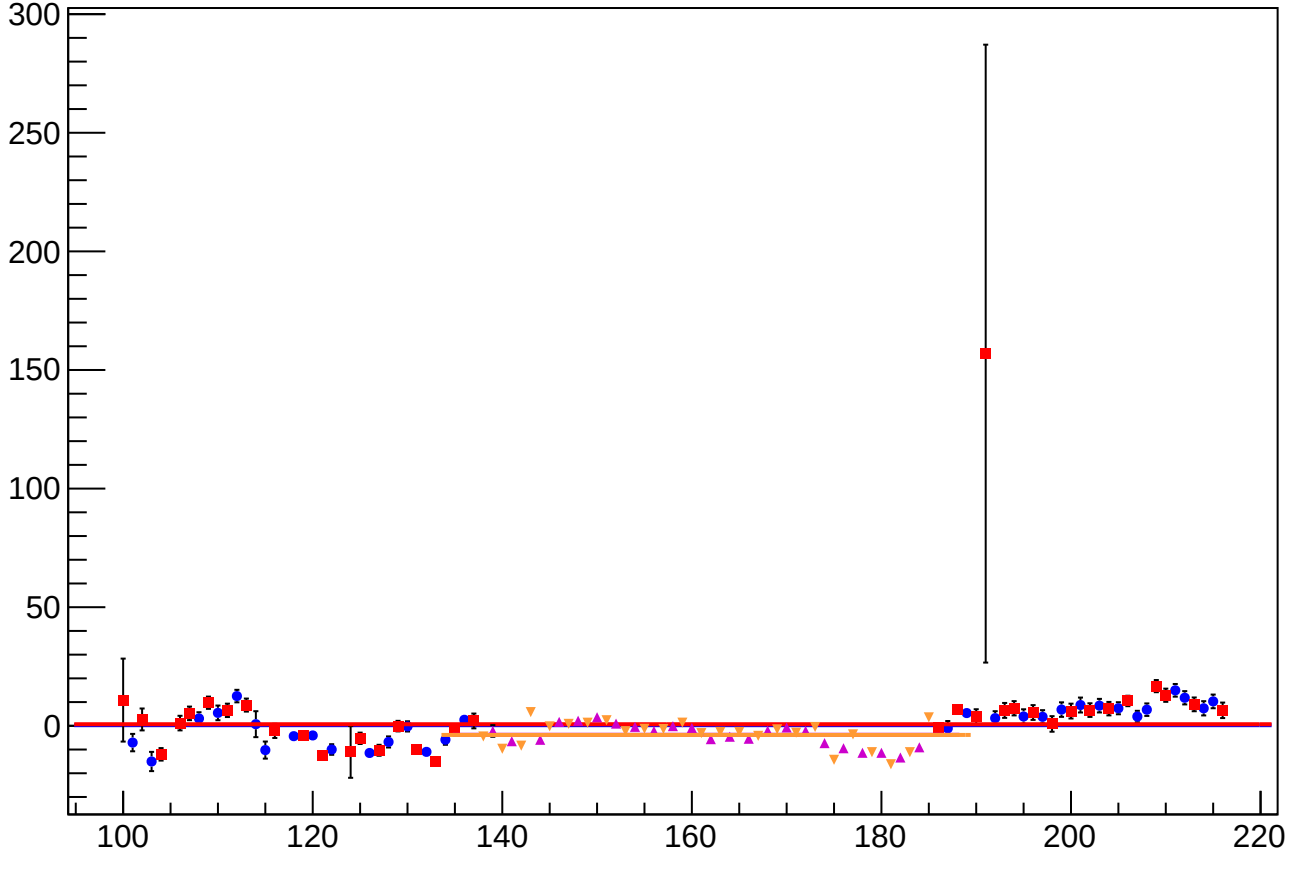
Right: -1.130+/-0.248 χ^2/NDF: 7644.6/65

In: 15.158+/-0.223 χ^2/NDF:7231.7/53

Out: 13.569+/-0.219 χ^2/NDF:10160.1/59

All: 14.346+/-0.156 χ^2/NDF: 17417.6/113

reg_asym_atl_dd_atr_dd_dd_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: 0.668+/-0.424 χ^2/NDF: 358.6/34

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

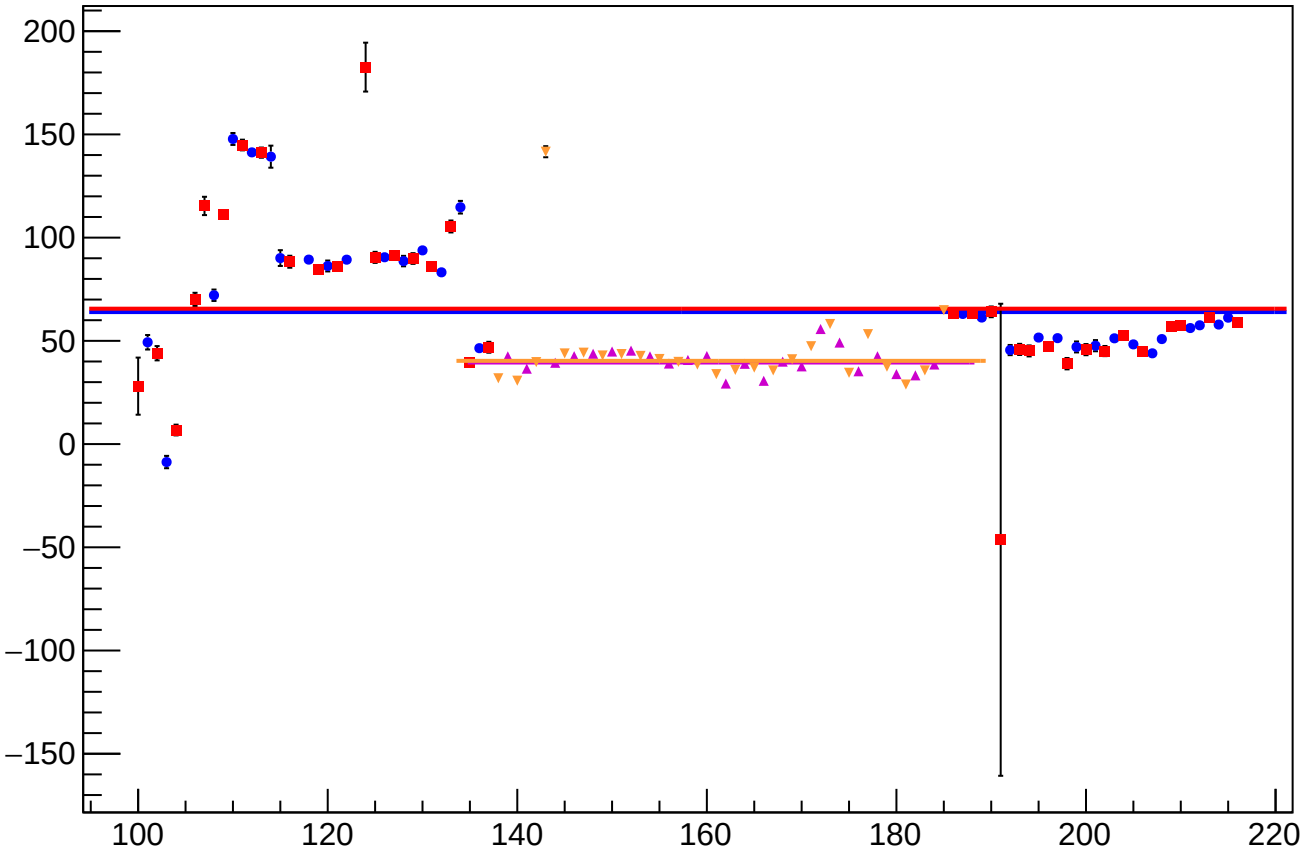
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: 0.472+/-0.304 χ^2/NDF: 645.6/65

In: -2.937+/-0.199 χ^2/NDF:864.5/53

Out: -2.903+/-0.194 χ^2/NDF:1097.6/59

All: -2.920+/-0.139 χ^2/NDF: 1962.1/113



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: 65.579+/-0.347 χ^2/NDF: 4846.0/34

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

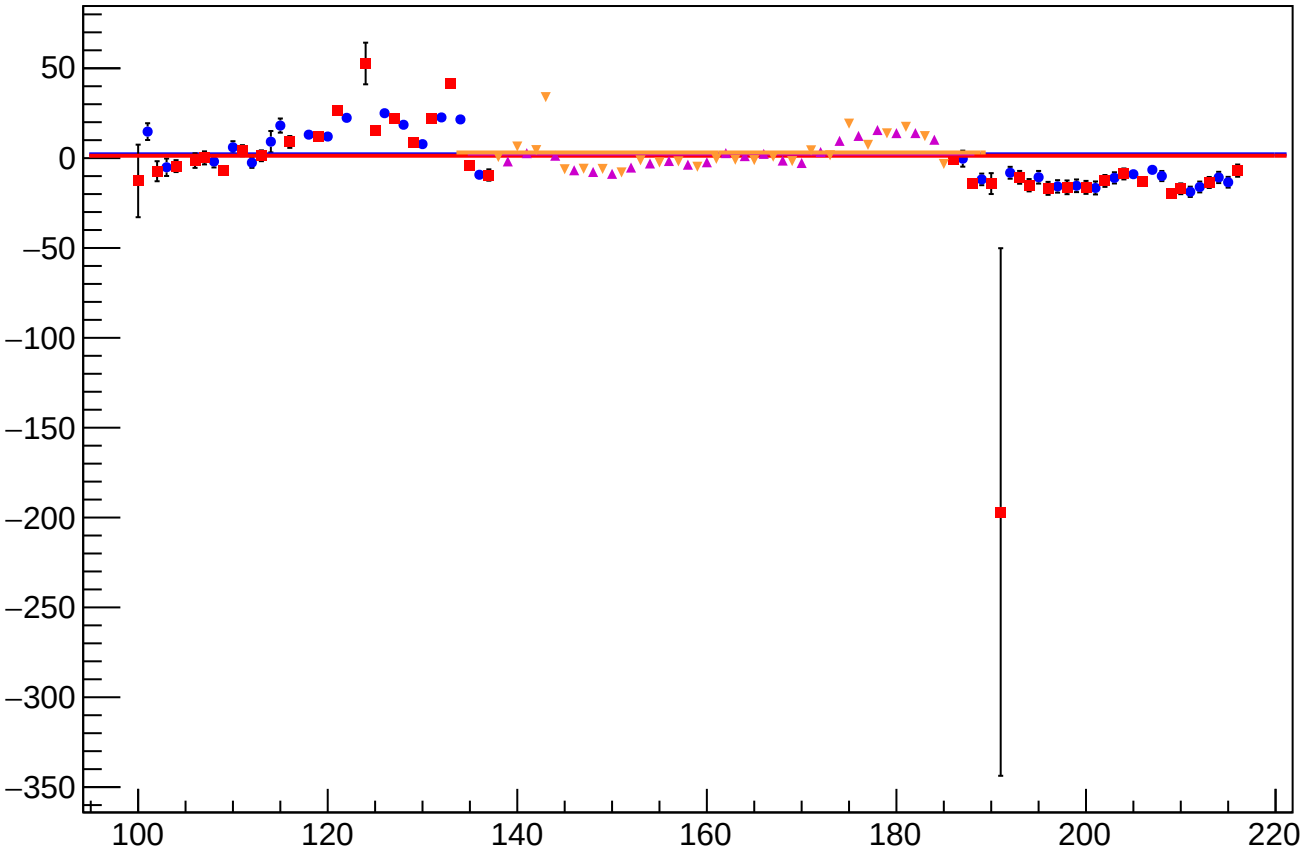
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.804+/-0.252 χ^2/NDF: 9534.9/65

In: 48.696+/-0.225 χ^2/NDF:7880.6/53

Out: 50.295+/-0.218 χ^2/NDF:10241.3/59

All: 49.521+/-0.156 χ^2/NDF: 18148.0/113



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: 1.335+/-0.496 χ^2/NDF: 1032.3/34

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

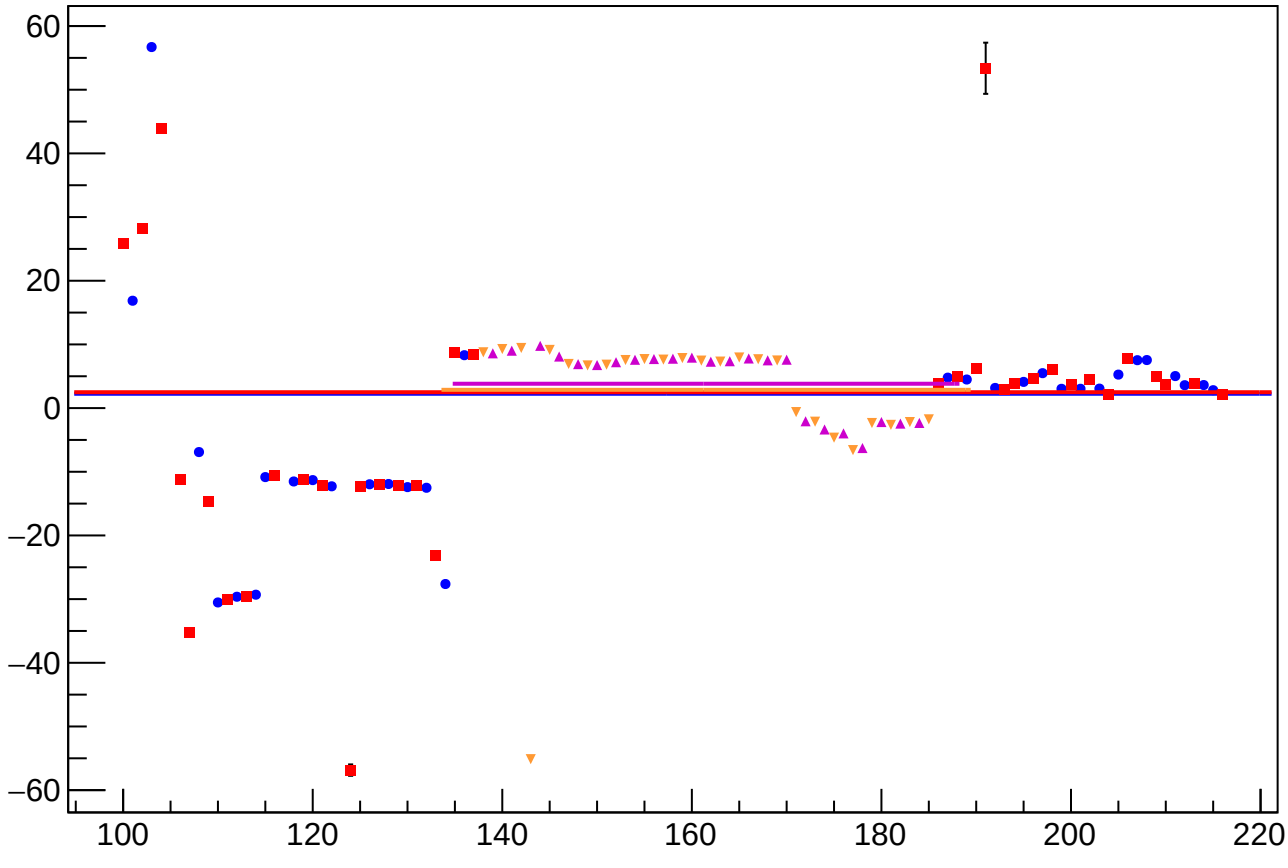
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 1.724+/-0.351 χ^2/NDF: 1883.8/65

In: 2.436+/-0.224 χ^2/NDF:1819.0/53

Out: 2.786+/-0.220 χ^2/NDF:2310.0/59

All: 2.614+/-0.157 χ^2/NDF: 4130.2/113



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: 2.493+/-0.024 χ^2/NDF: 330761.3/34

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

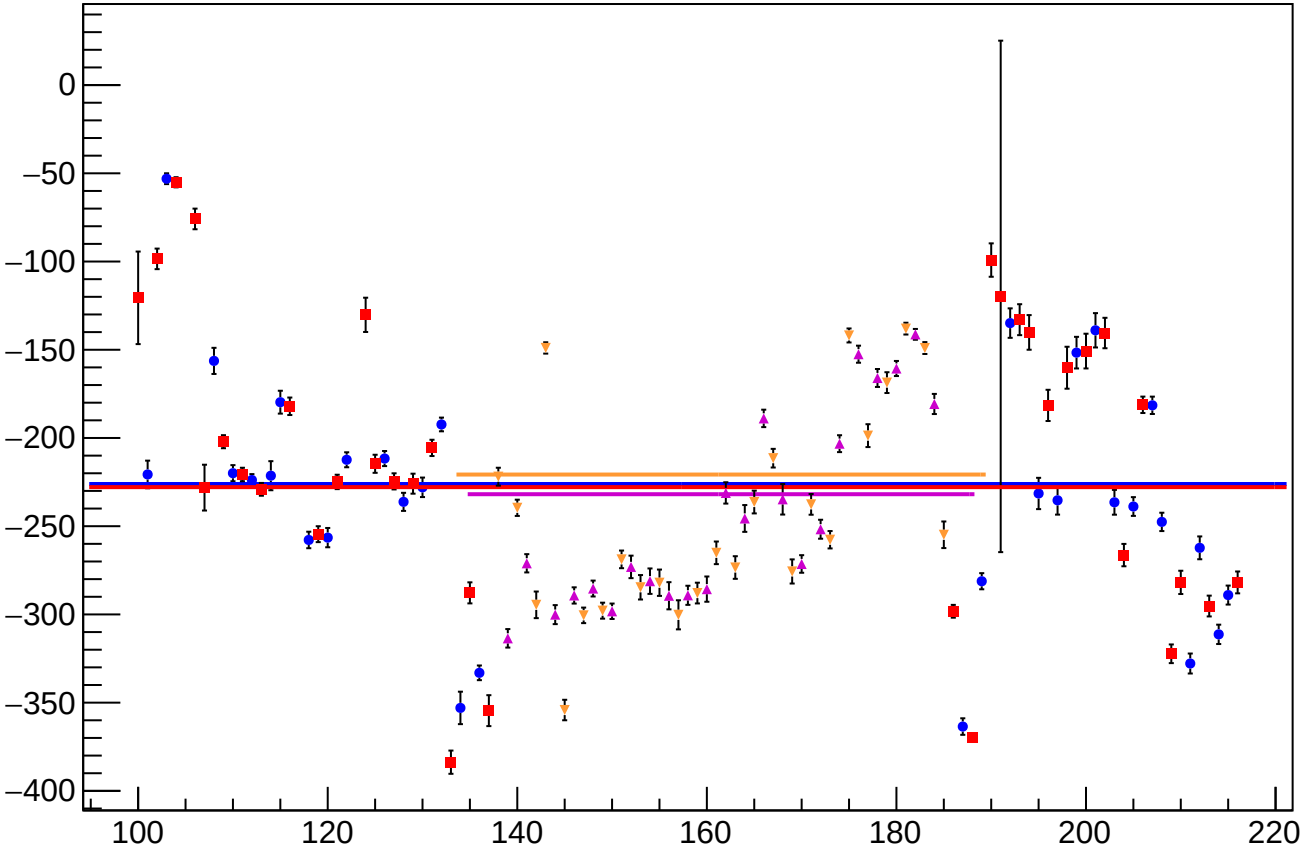
Right: 2.372+/-0.017 χ^2/NDF: 713827.4/65

In: 3.539+/-0.010 χ^2/NDF:619886.1/53

Out: 2.803+/-0.010 χ^2/NDF:843300.7/59

All: 3.169+/-0.007 χ^2/NDF: 1465891.2/113

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -227.860+/-0.880 χ^2/NDF: 10903.3/34

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

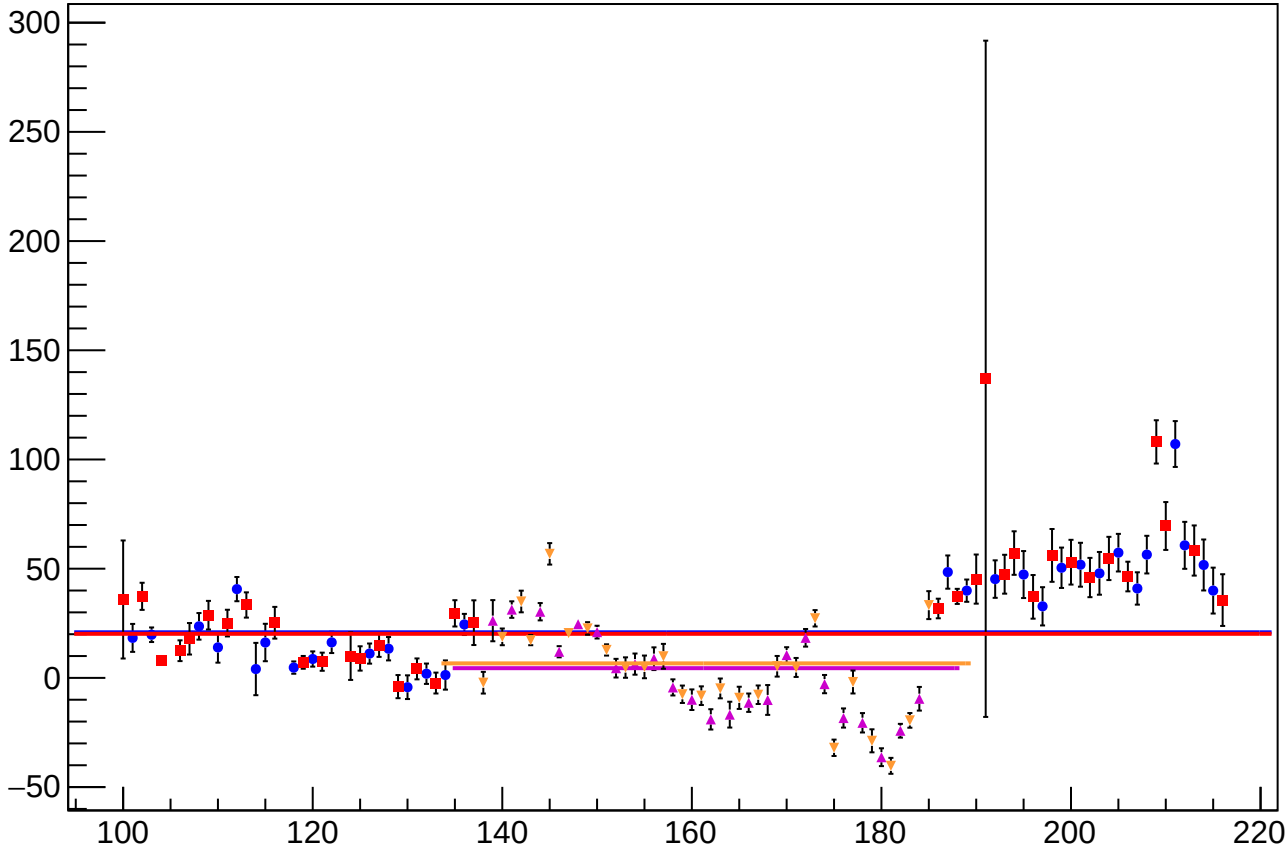
Right: -227.035+/-0.643 χ^2/NDF: 17377.0/65

In: -228.594+/-0.709 χ^2/NDF:9648.5/53

Out: -224.810+/-0.666 χ^2/NDF:14983.6/59

All: -226.583+/-0.485 χ^2/NDF: 24647.3/113

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: 20.184+/-0.970 χ^2/NDF: 368.6/34

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

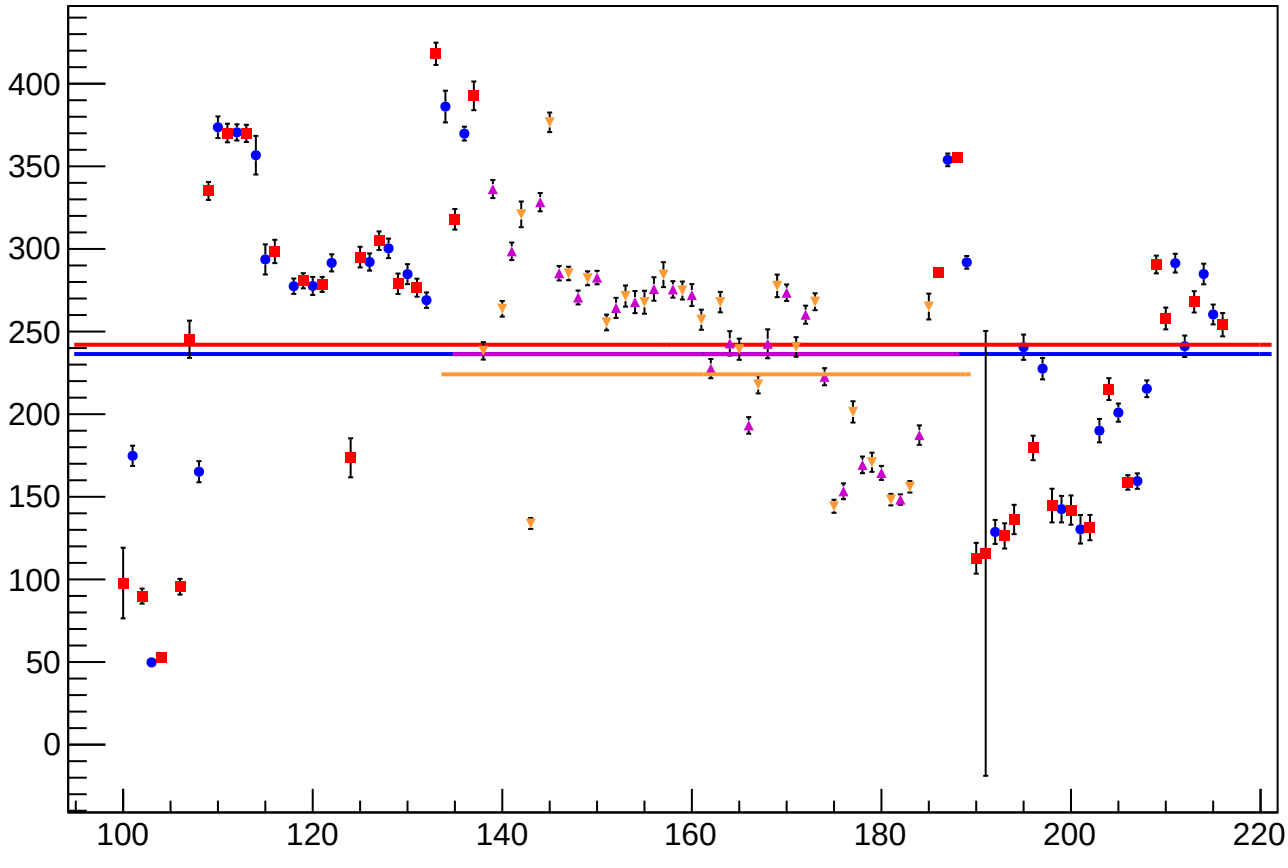
Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

Right: 20.497+/-0.715 χ^2/NDF: 688.7/65

In: 10.488+/-0.642 χ^2/NDF:1039.3/53

Out: 11.730+/-0.595 χ^2/NDF:1225.2/59

All: 11.156+/-0.436 χ^2/NDF: 2266.5/113



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: 242.034+/-0.863 χ^2/NDF: 17081.4/34

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

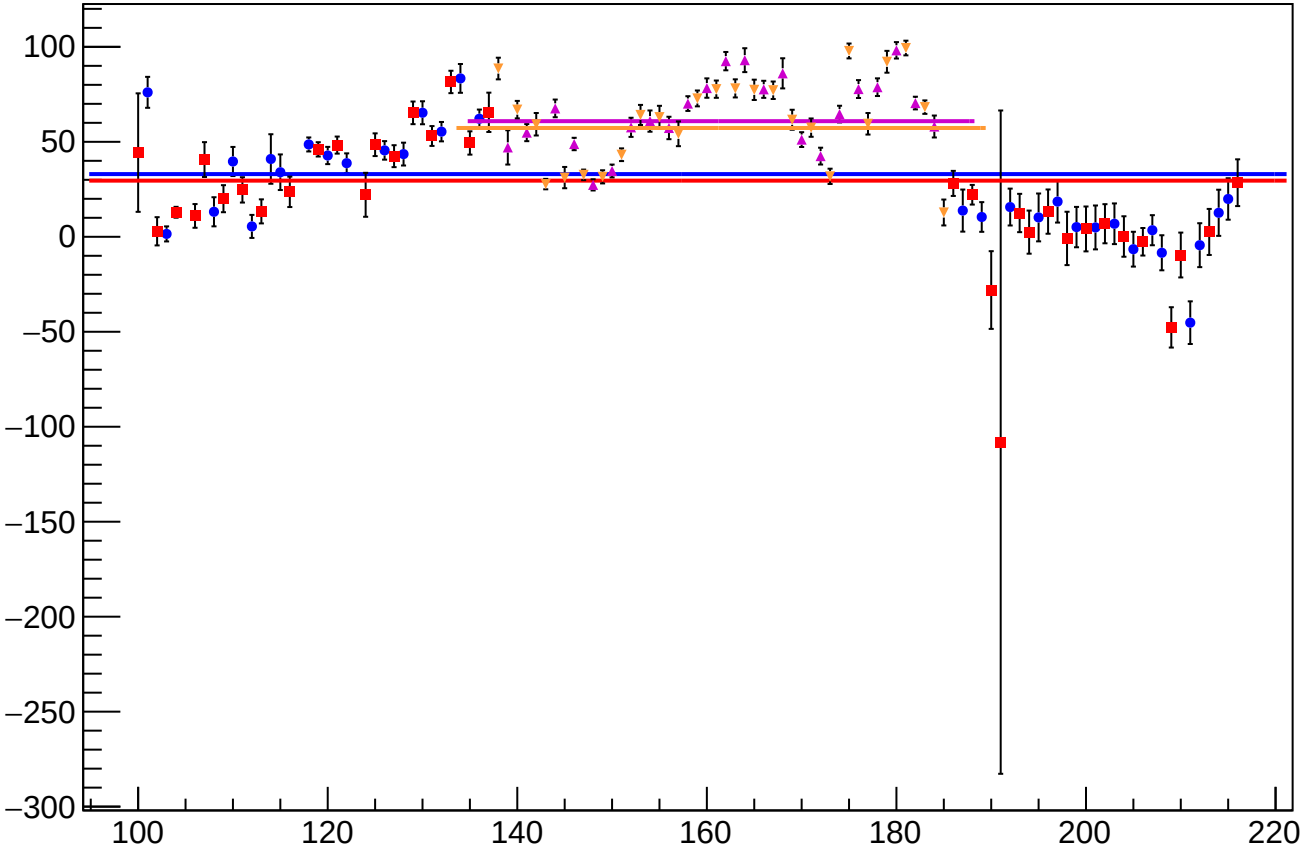
Right: 239.491+/-0.640 χ^2/NDF: 28694.9/65

In: 236.368+/-0.711 χ^2/NDF:14587.1/53

Out: 234.506+/-0.657 χ^2/NDF:21229.1/59

All: 235.364+/-0.483 χ^2/NDF: 35819.9/113

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 29.569+/-1.160 χ^2/NDF: 406.5/34

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

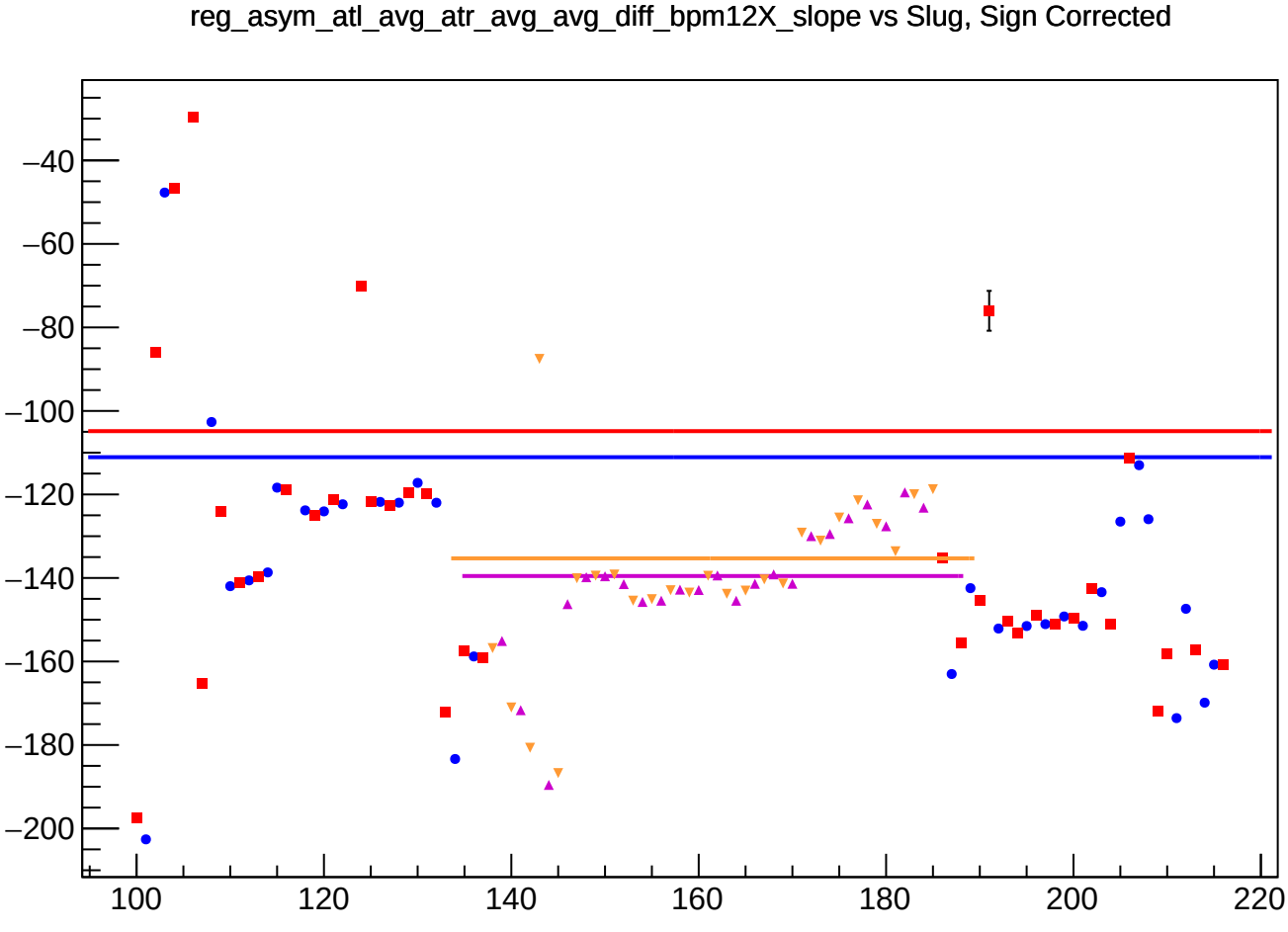
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 31.184+/-0.845 χ^2/NDF: 845.6/65

In: 50.884+/-0.739 χ^2/NDF:1216.9/53

Out: 47.339+/-0.695 χ^2/NDF:1540.4/59

All: 49.003+/-0.506 χ^2/NDF: 2769.5/113



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: -104.840+/-0.055 χ^2/NDF: 763335.8/34

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

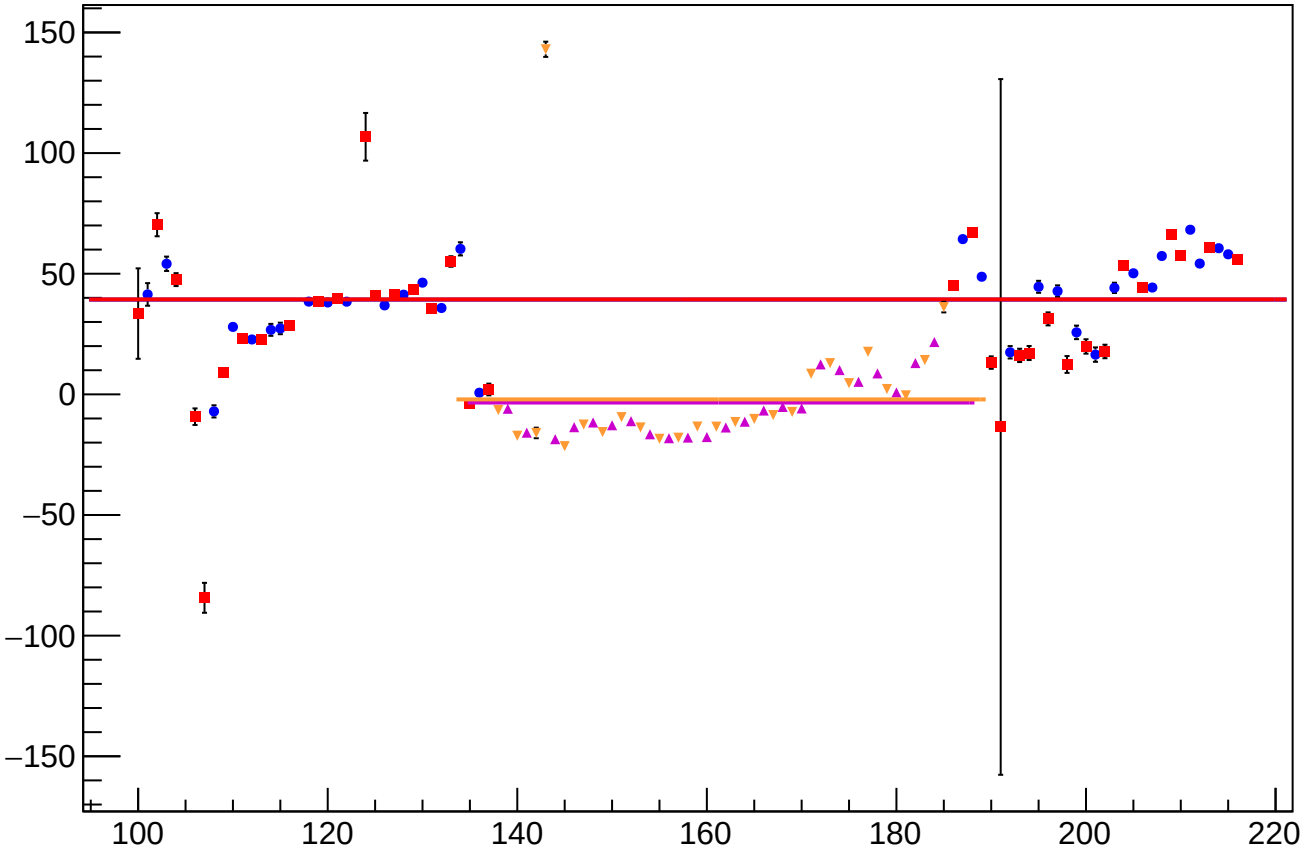
Right: -107.858+/-0.040 χ^2/NDF: 1469980.1/65

In: -129.523+/-0.034 χ^2/NDF:975605.8/53

Out: -124.653+/-0.033 χ^2/NDF:1223320.3/59

All: -127.002+/-0.024 χ^2/NDF: 2209609.7/11

reg_asym_atl_avg_atr_avg_dd_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: 39.355+/-0.290 χ^2/NDF: 5396.9/34

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

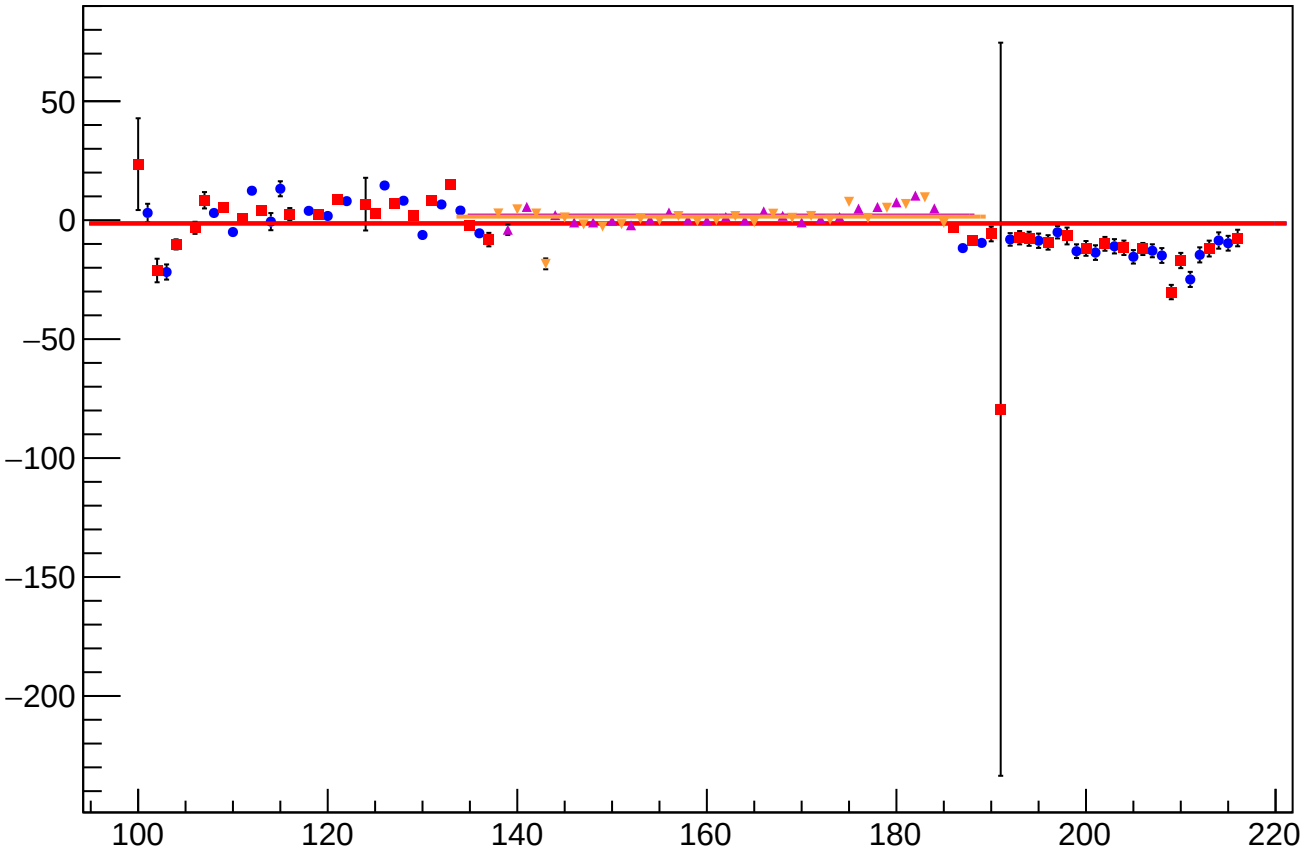
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 39.316+/-0.214 χ^2/NDF: 8708.5/65

In: 14.690+/-0.206 χ^2/NDF:15544.4/53

Out: 16.896+/-0.196 χ^2/NDF:20655.9/59

All: 15.845+/-0.142 χ^2/NDF: 36260.4/113



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: -1.400+/-0.350 χ^2/NDF: 541.7/34

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

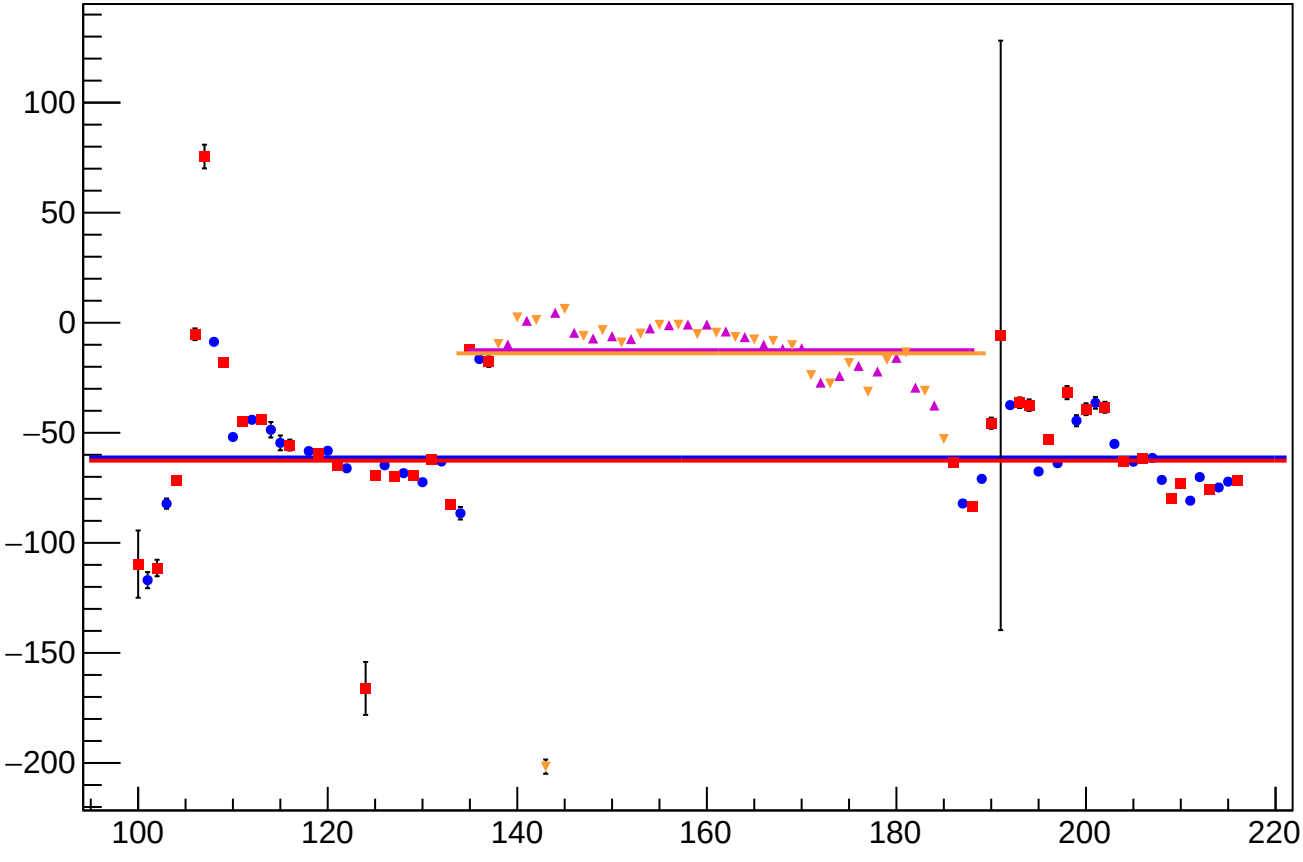
Right: -1.379+/-0.255 χ^2/NDF: 1140.4/65

In: 1.134+/-0.183 χ^2/NDF:898.7/53

Out: 0.751+/-0.177 χ^2/NDF:921.0/59

All: 0.935+/-0.127 χ^2/NDF: 1822.0/113

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: -62.641+/-0.288 χ^2/NDF: 5693.3/34

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

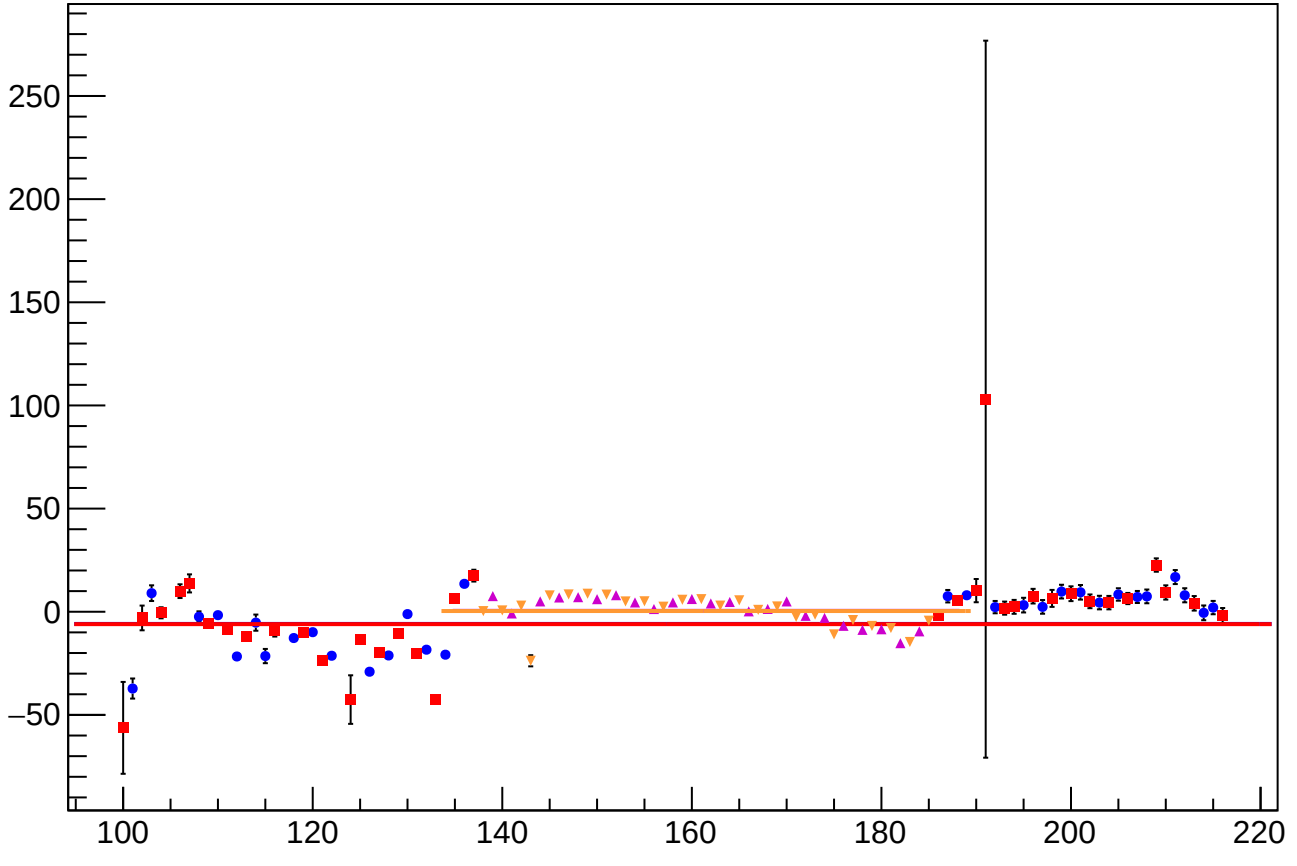
Right: -62.025+/-0.216 χ^2/NDF: 9368.8/65

In: -32.033+/-0.208 χ^2/NDF:18282.8/53

Out: -36.239+/-0.195 χ^2/NDF:26352.6/59

All: -34.273+/-0.142 χ^2/NDF: 44853.3/113

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: -6.003+/-0.418 χ^2/NDF: 1051.4/34

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

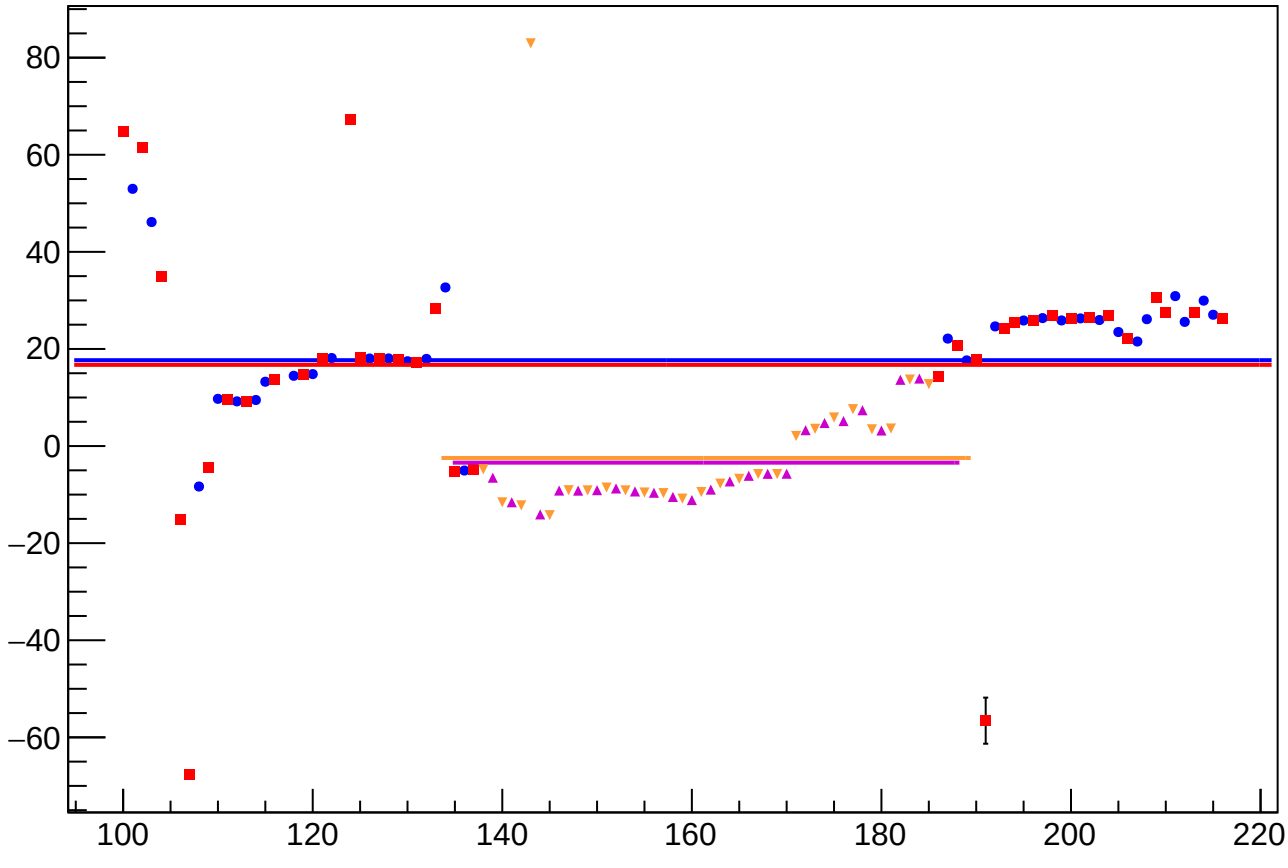
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -5.956+/-0.300 χ^2/NDF: 2061.4/65

In: -1.042+/-0.207 χ^2/NDF:1959.1/53

Out: -1.142+/-0.202 χ^2/NDF:2149.7/59

All: -1.094+/-0.145 χ^2/NDF: 4108.9/113



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: 16.728+/-0.022 χ^2/NDF: 577697.5/34

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

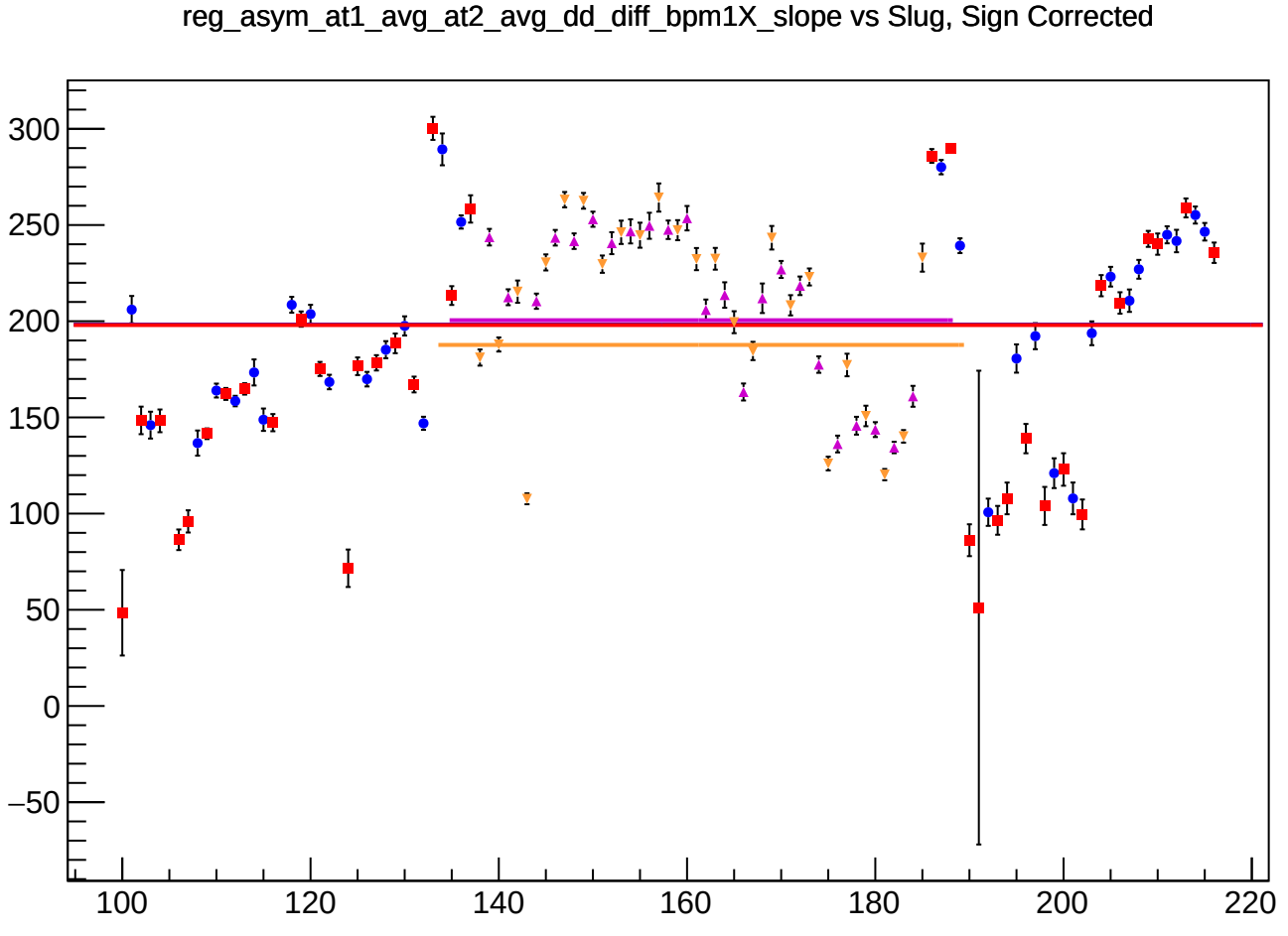
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.205+/-0.015 χ^2/NDF: 1034009.8/65

In: 0.538+/-0.009 χ^2/NDF:1768141.2/53

Out: 1.108+/-0.009 χ^2/NDF:2176686.4/59

All: 0.825+/-0.007 χ^2/NDF: 3946675.8/113



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: 198.018+/-0.783 χ^2/NDF: 6422.7/34

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

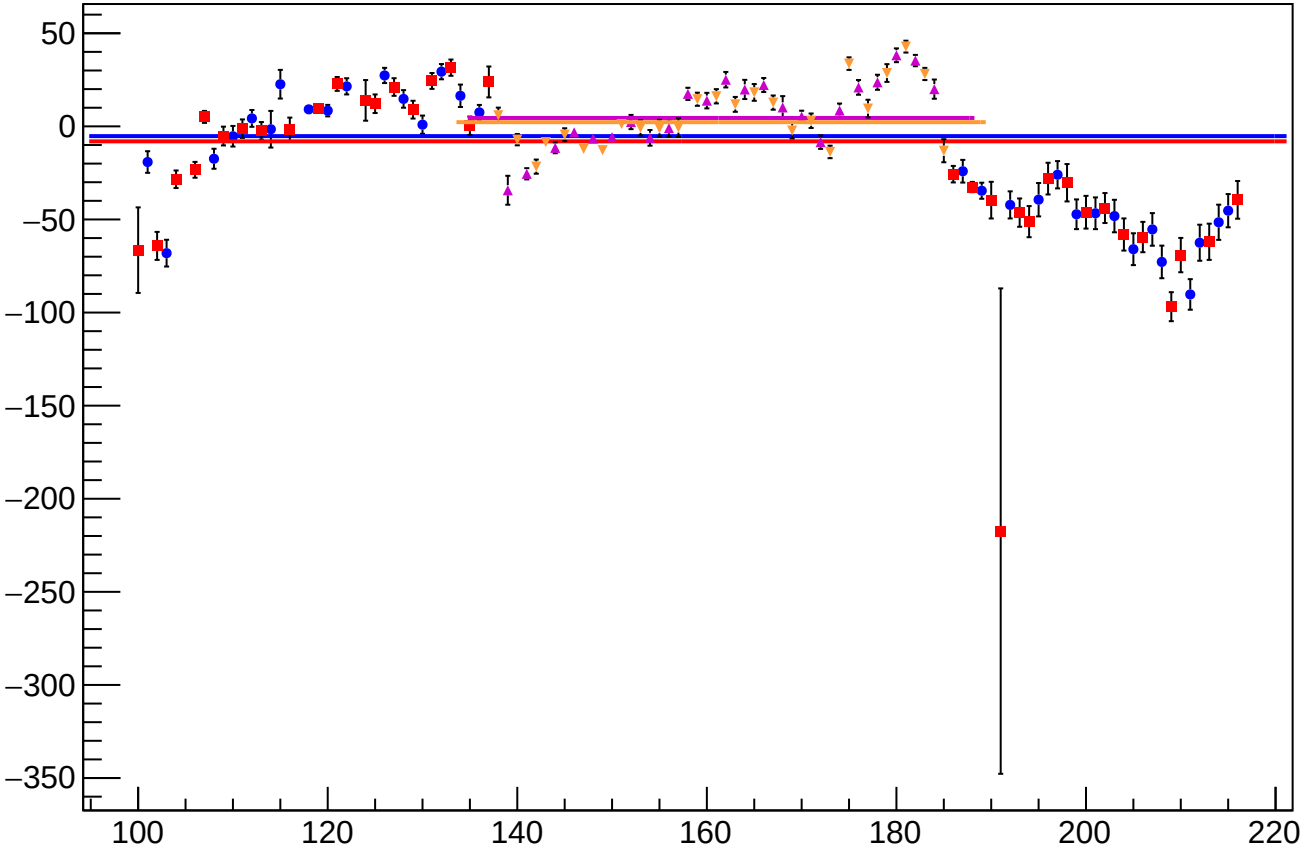
Right: 198.126+/-0.576 χ^2/NDF: 9189.2/65

In: 199.254+/-0.635 χ^2/NDF:4881.1/53

Out: 193.550+/-0.590 χ^2/NDF:10026.3/59

All: 196.196+/-0.432 χ^2/NDF: 14950.7/113

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: -8.050+/-0.898 χ^2/NDF: 955.9/34

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

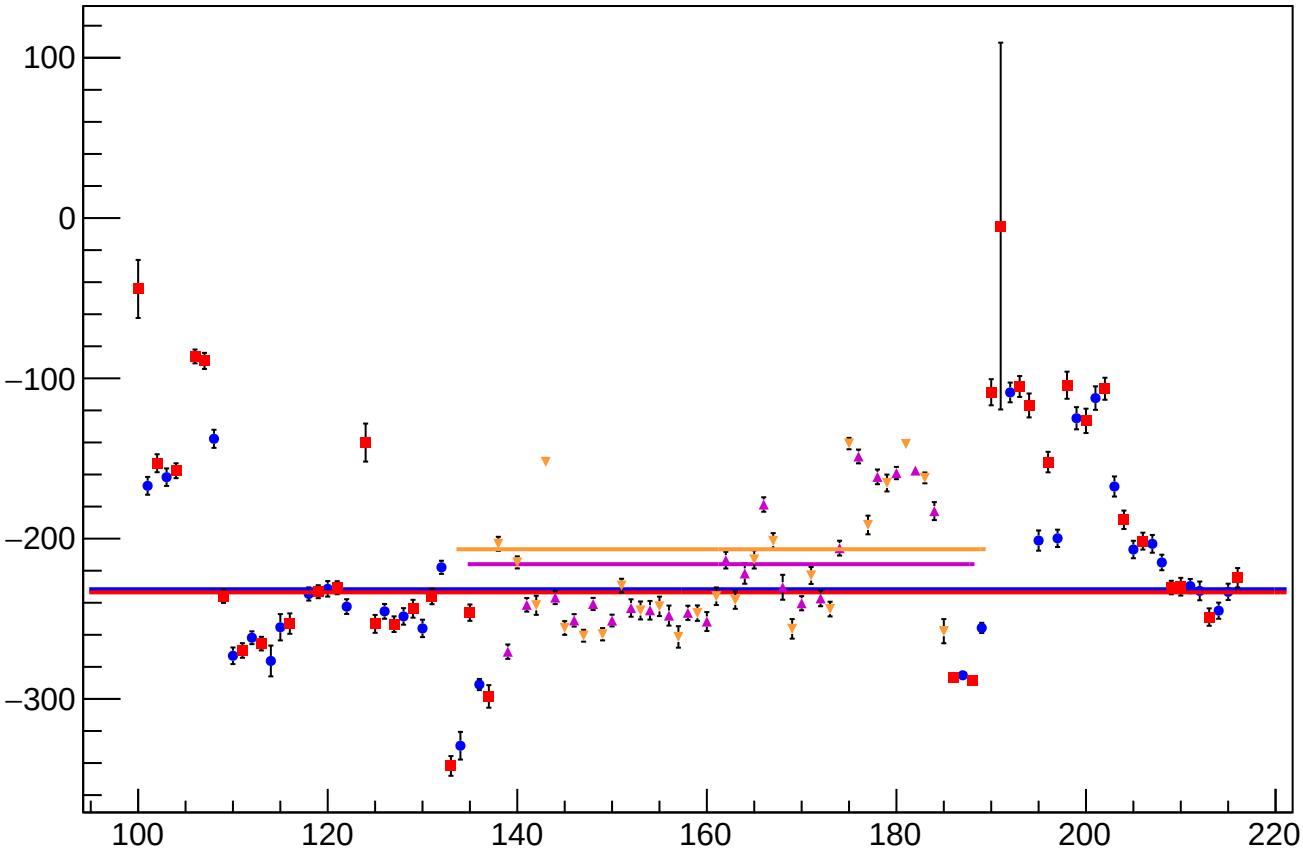
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -6.751+/-0.658 χ^2/NDF: 1842.3/65

In: 1.070+/-0.574 χ^2/NDF:1494.8/53

Out: -1.397+/-0.534 χ^2/NDF:1641.7/59

All: -0.253+/-0.391 χ^2/NDF: 3146.4/113



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: -233.532+/-0.793 χ^2/NDF: 6670.6/34

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

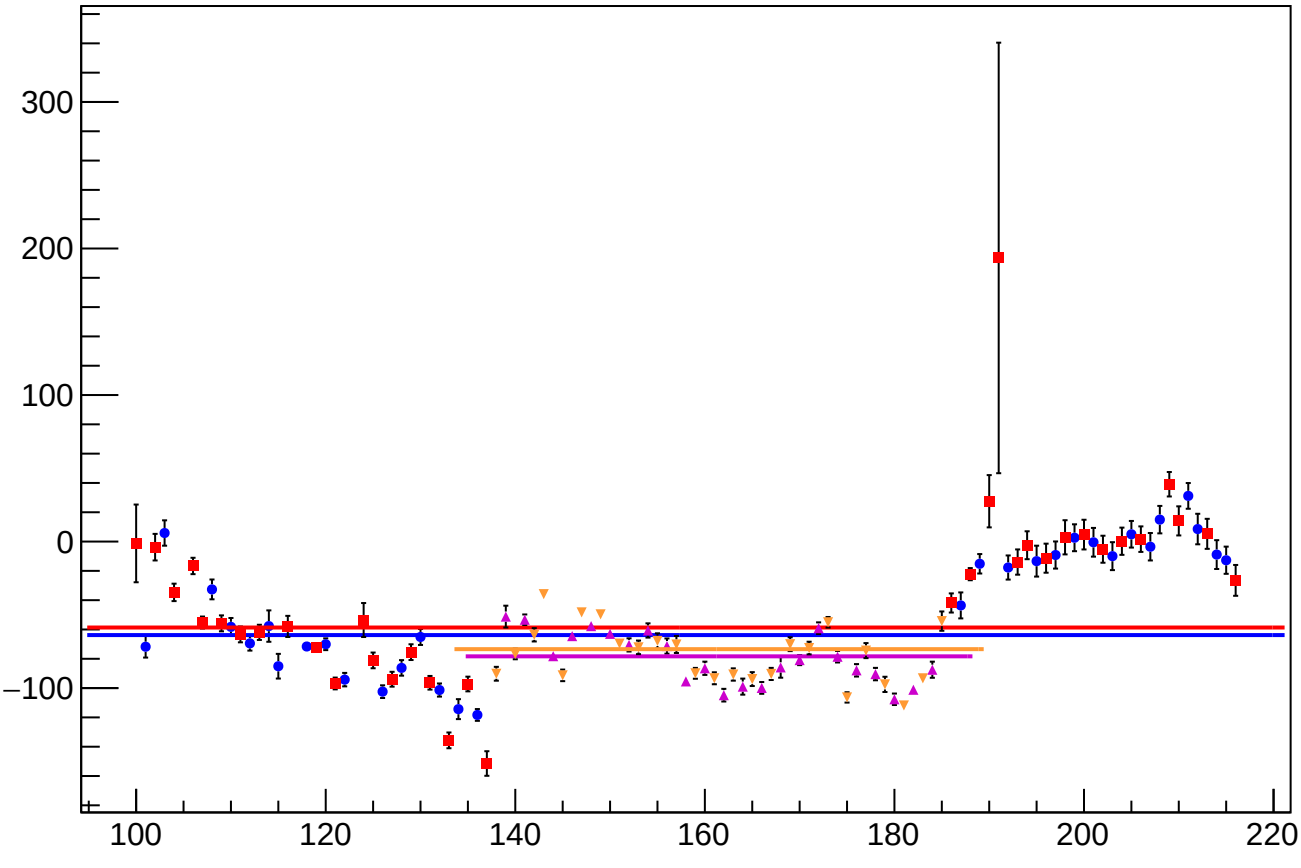
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.666+/-0.592 χ^2/NDF: 9363.9/65

In: -224.243+/-0.648 χ^2/NDF:4547.7/53

Out: -221.695+/-0.593 χ^2/NDF:9645.3/59

All: -222.857+/-0.438 χ^2/NDF: 14201.4/113



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: -58.659+/-1.068 χ^2/NDF: 1372.3/34

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

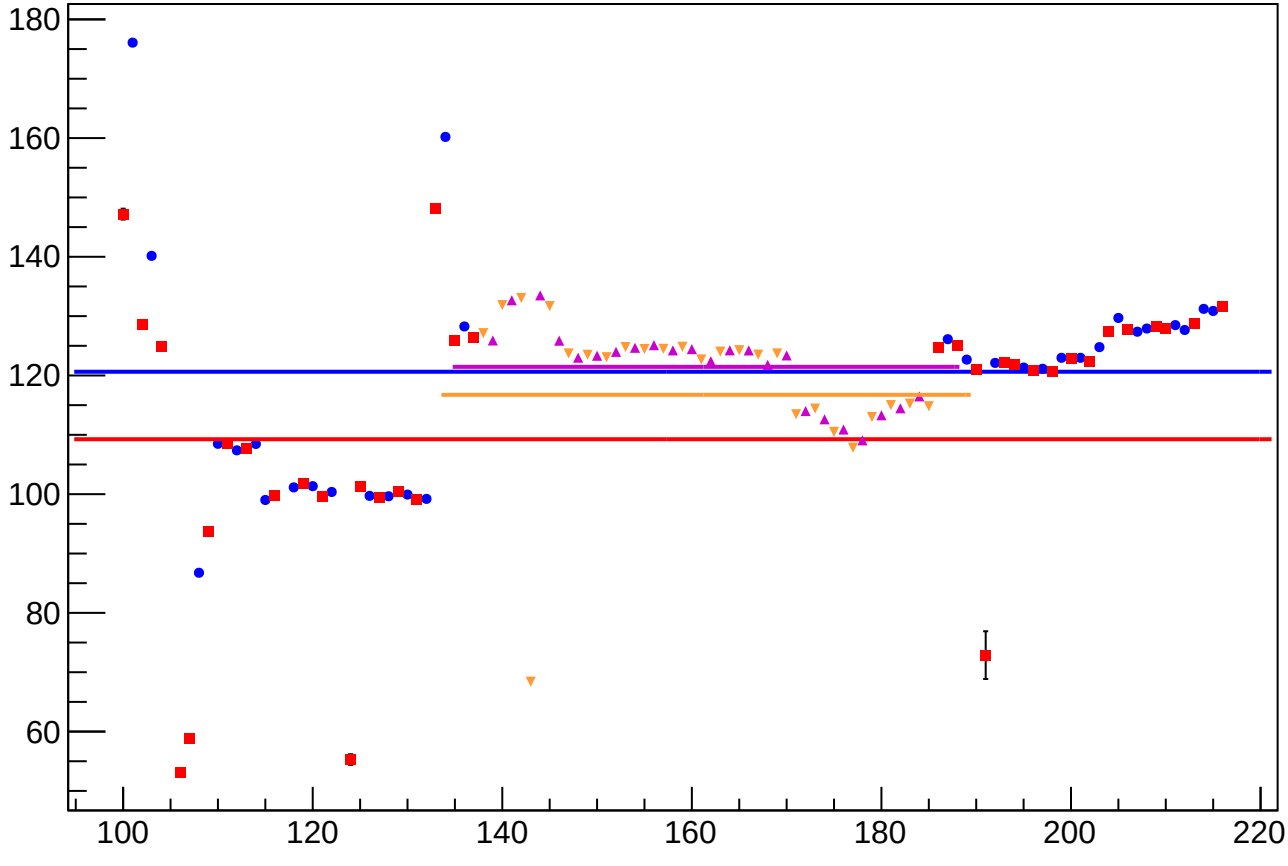
Right: -61.100+/-0.775 χ^2/NDF: 2608.2/65

In: -73.329+/-0.662 χ^2/NDF:1776.7/53

Out: -68.401+/-0.623 χ^2/NDF:2335.0/59

All: -70.716+/-0.454 χ^2/NDF: 4141.1/113

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: 109.261+/-0.055 χ^2/NDF: 215143.7/34

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

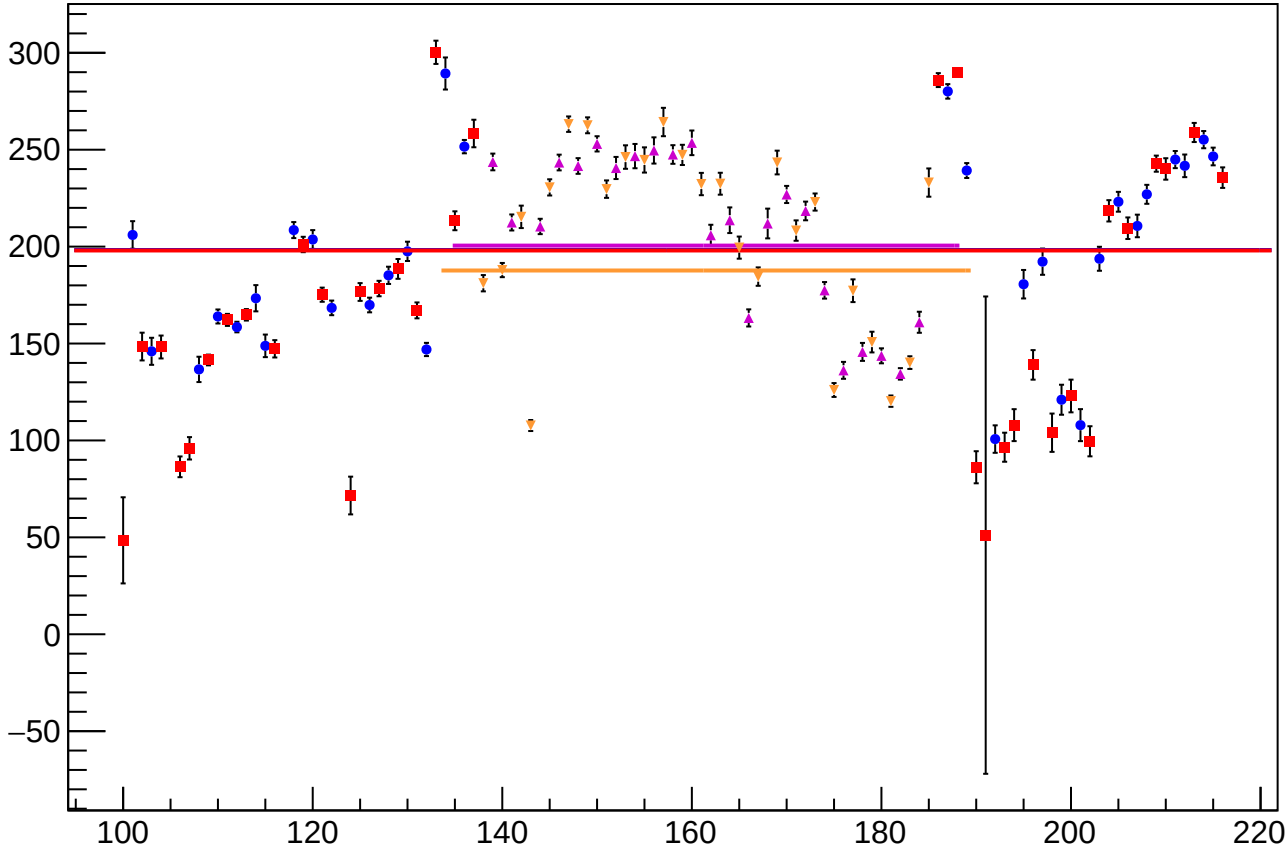
Right: 114.488+/-0.040 χ^2/NDF: 334937.8/65

In: 121.221+/-0.032 χ^2/NDF:128835.4/53

Out: 114.493+/-0.030 χ^2/NDF:431896.7/59

All: 117.683+/-0.022 χ^2/NDF: 584647.4/113

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: 198.018+/-0.783 χ^2/NDF: 6422.7/34

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

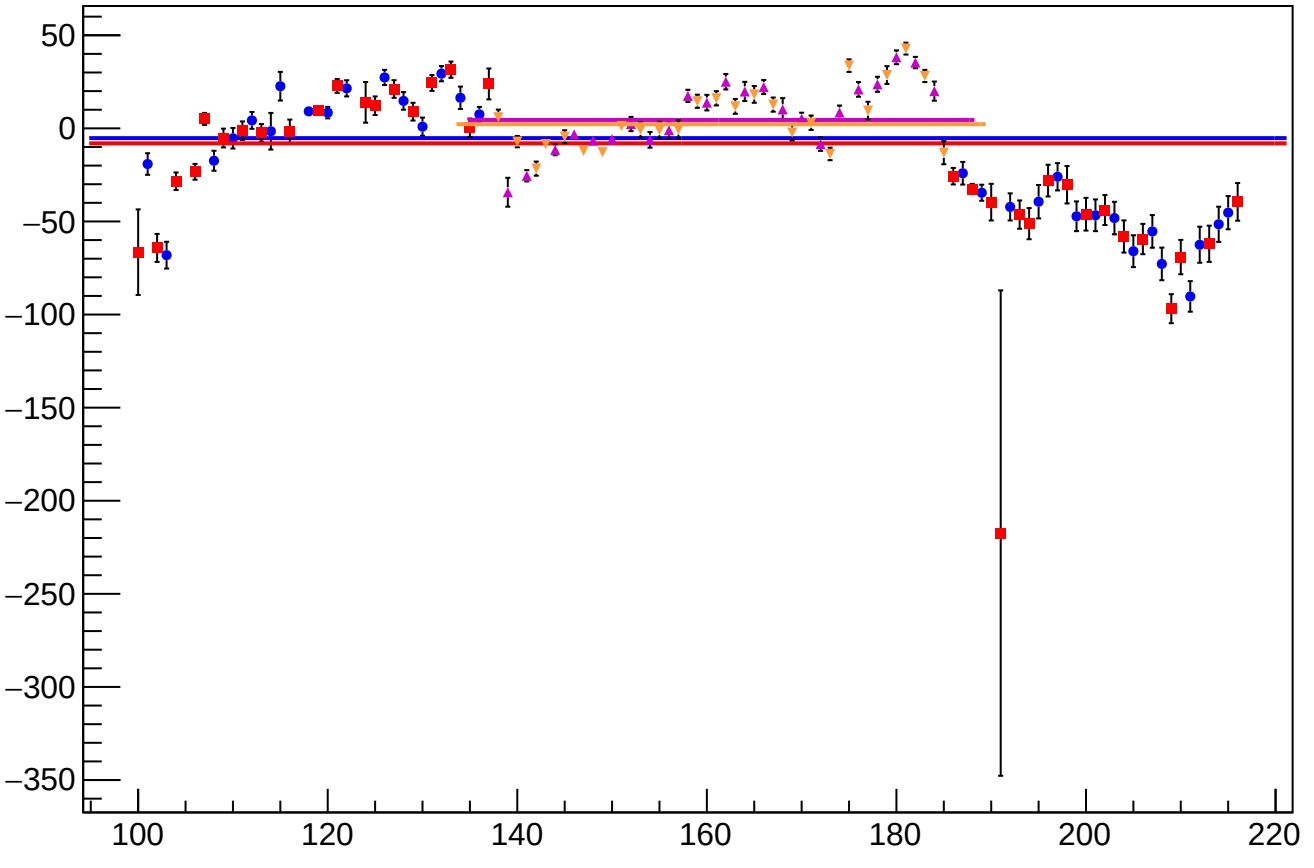
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 198.126+/-0.576 χ^2/NDF: 9189.2/65

In: 199.254+/-0.635 χ^2/NDF:4881.1/53

Out: 193.550+/-0.590 χ^2/NDF:10026.3/59

All: 196.196+/-0.432 χ^2/NDF: 14950.7/113



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: -8.050+/-0.898 χ^2/NDF: 955.9/34

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

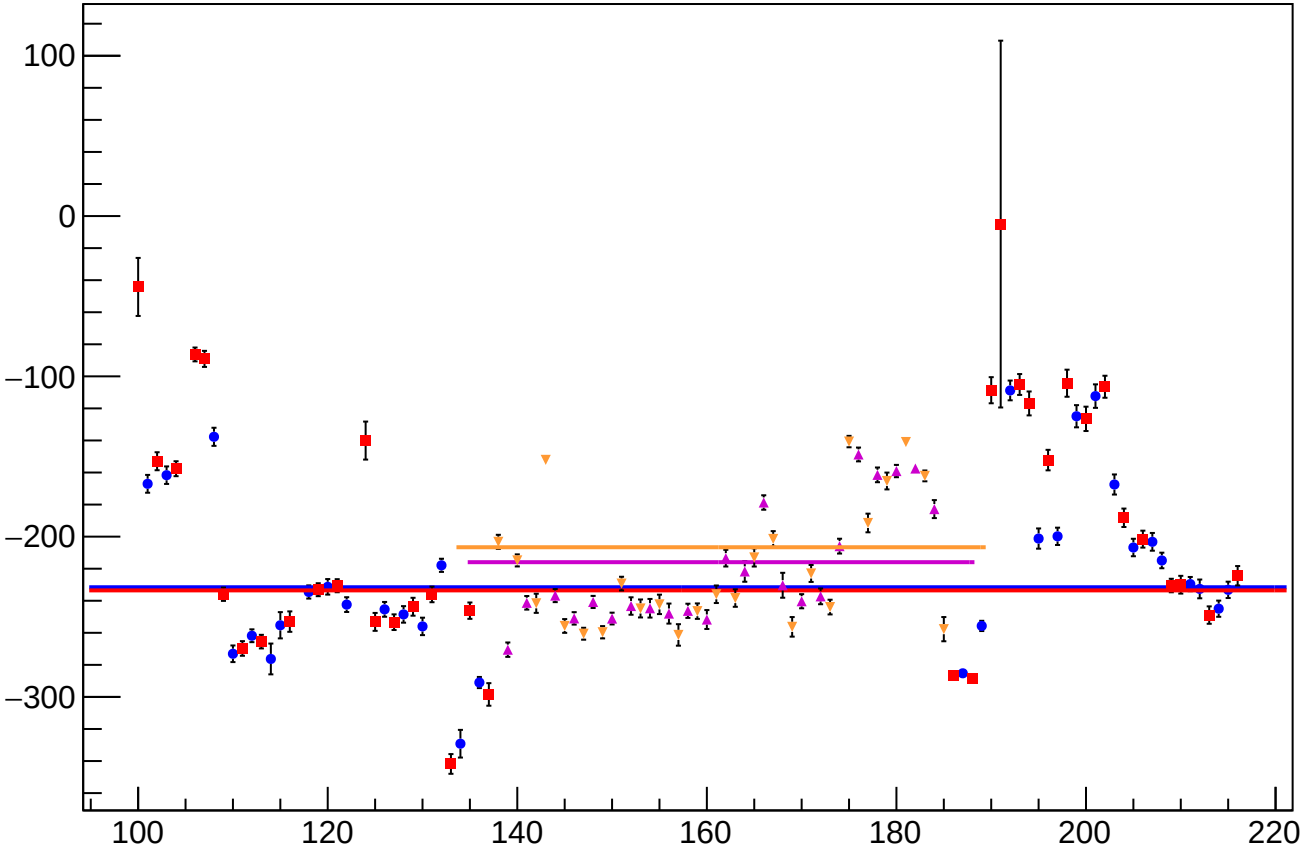
Right: -6.751+/-0.658 χ^2/NDF: 1842.3/65

In: 1.070+/-0.574 χ^2/NDF:1494.8/53

Out: -1.397+/-0.534 χ^2/NDF:1641.7/59

All: -0.253+/-0.391 χ^2/NDF: 3146.4/113

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -233.532+/-0.793 χ^2/NDF: 6670.6/34

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

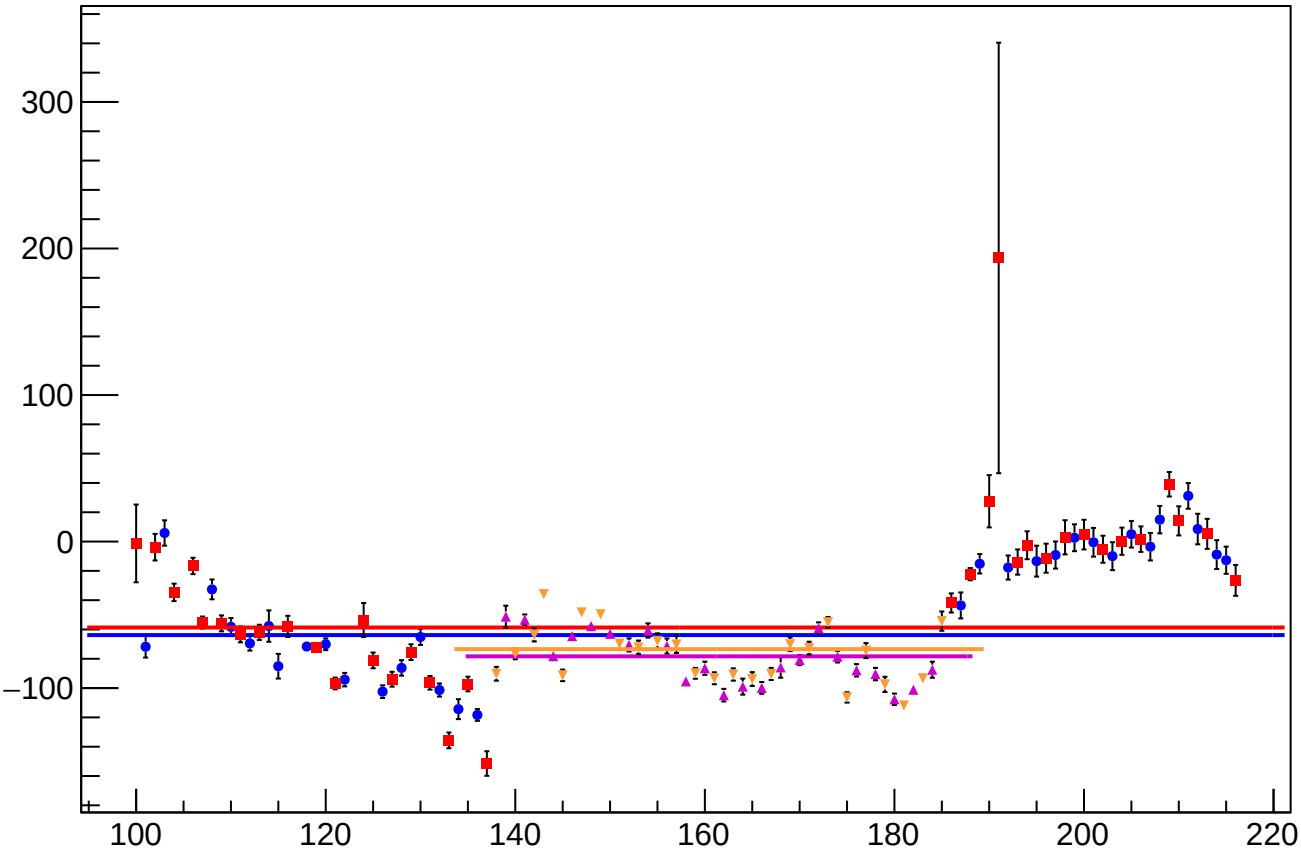
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.666+/-0.592 χ^2/NDF: 9363.9/65

In: -224.243+/-0.648 χ^2/NDF:4547.7/53

Out: -221.695+/-0.593 χ^2/NDF:9645.3/59

All: -222.857+/-0.438 χ^2/NDF: 14201.4/113



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: -58.659+/-1.068 χ^2/NDF: 1372.3/34

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

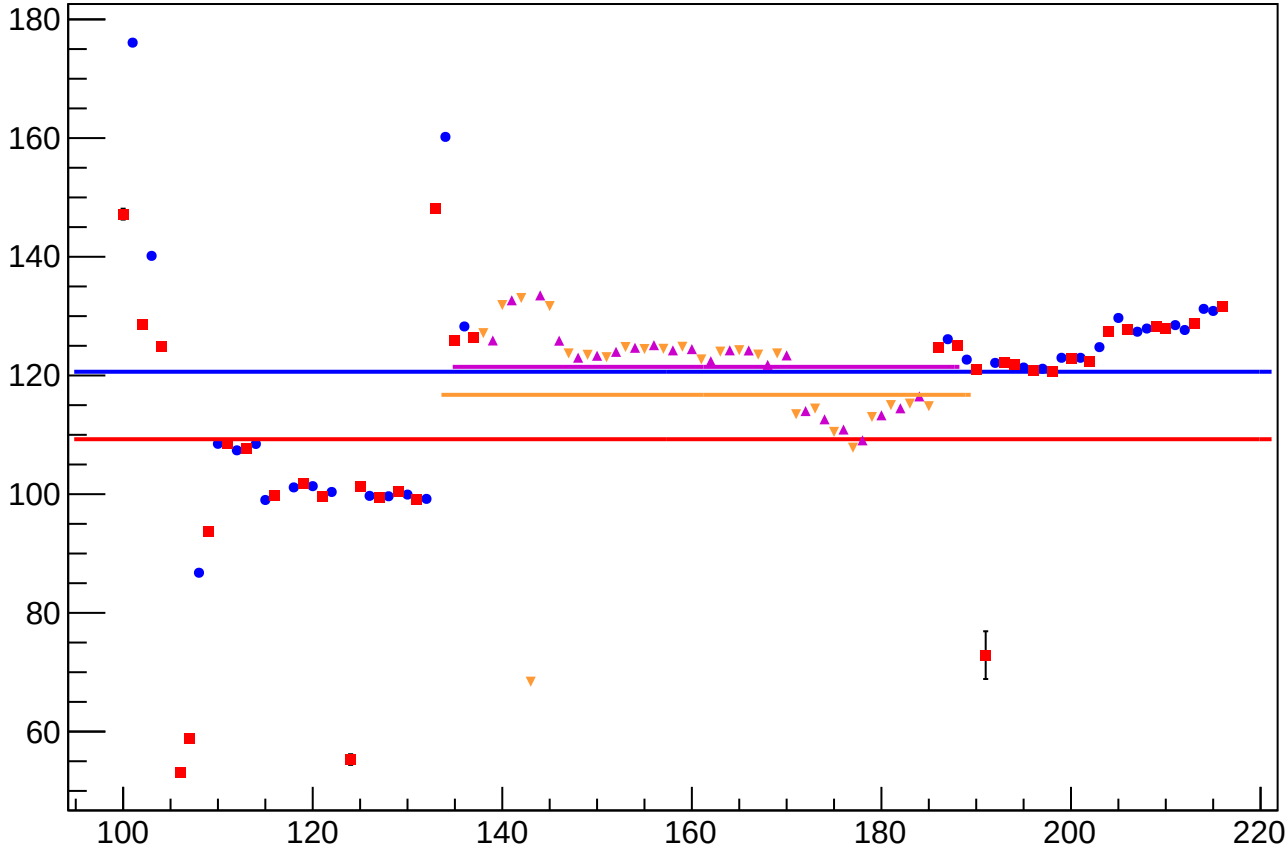
Right: -61.100+/-0.775 χ^2/NDF: 2608.2/65

In: -73.329+/-0.662 χ^2/NDF:1776.7/53

Out: -68.401+/-0.623 χ^2/NDF:2335.0/59

All: -70.716+/-0.454 χ^2/NDF: 4141.1/113

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: 109.261+/-0.055 χ^2/NDF: 215143.7/34

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

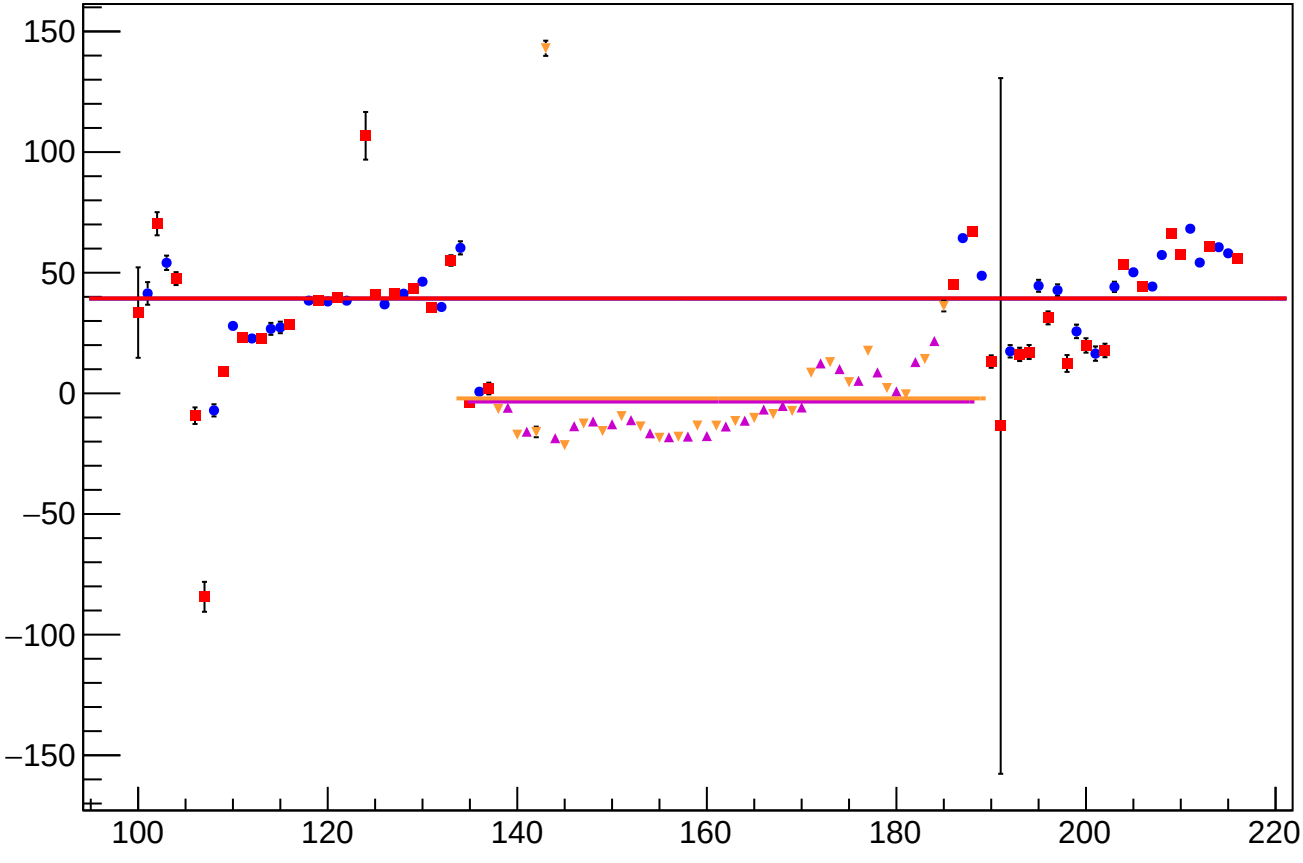
Right: 114.488+/-0.040 χ^2/NDF: 334937.8/65

In: 121.221+/-0.032 χ^2/NDF:128835.4/53

Out: 114.493+/-0.030 χ^2/NDF:431896.7/59

All: 117.683+/-0.022 χ^2/NDF: 584647.4/113

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: 39.355+/-0.290 χ^2/NDF: 5396.9/34

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

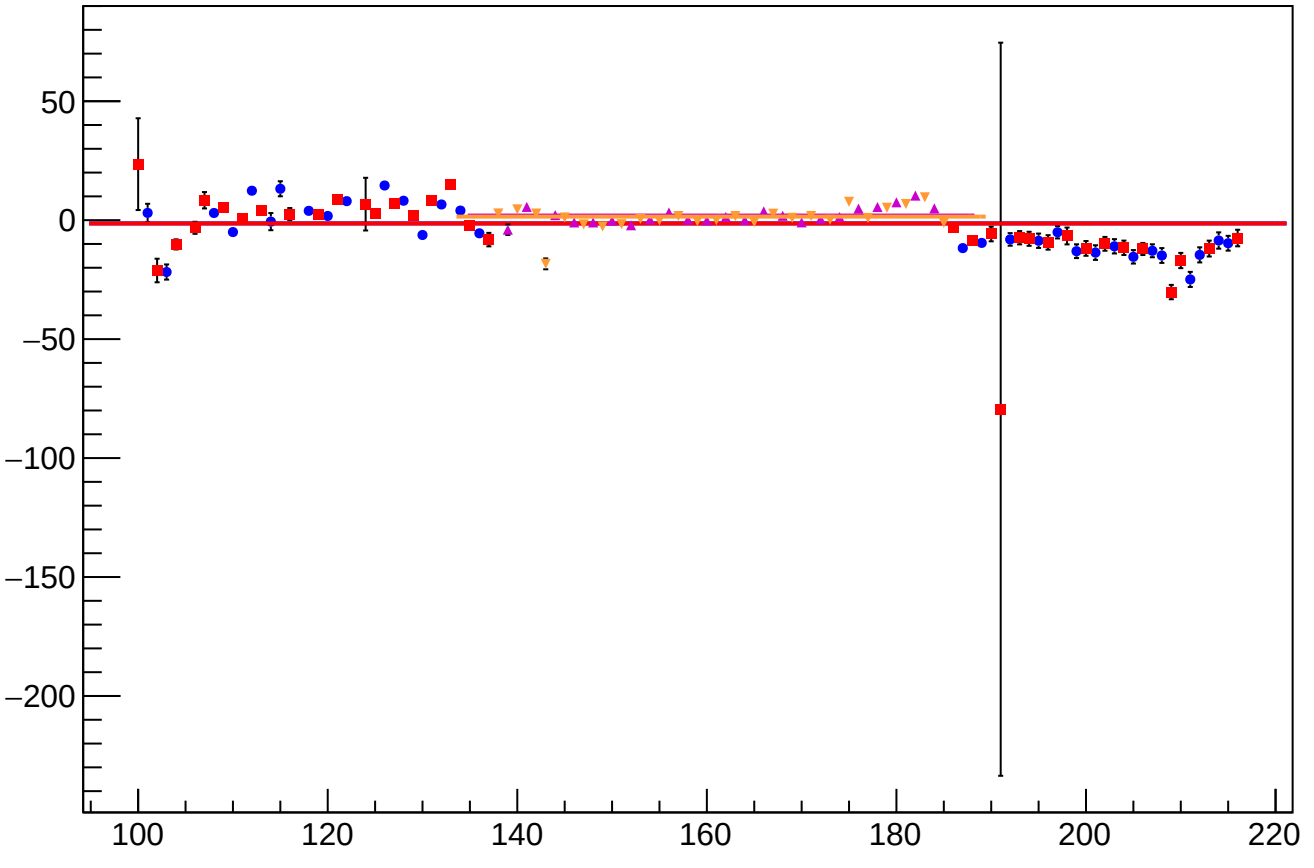
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 39.316+/-0.214 χ^2/NDF: 8708.5/65

In: 14.690+/-0.206 χ^2/NDF:15544.4/53

Out: 16.896+/-0.196 χ^2/NDF:20655.9/59

All: 15.845+/-0.142 χ^2/NDF: 36260.4/113



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: -1.400+/-0.350 χ^2/NDF: 541.7/34

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

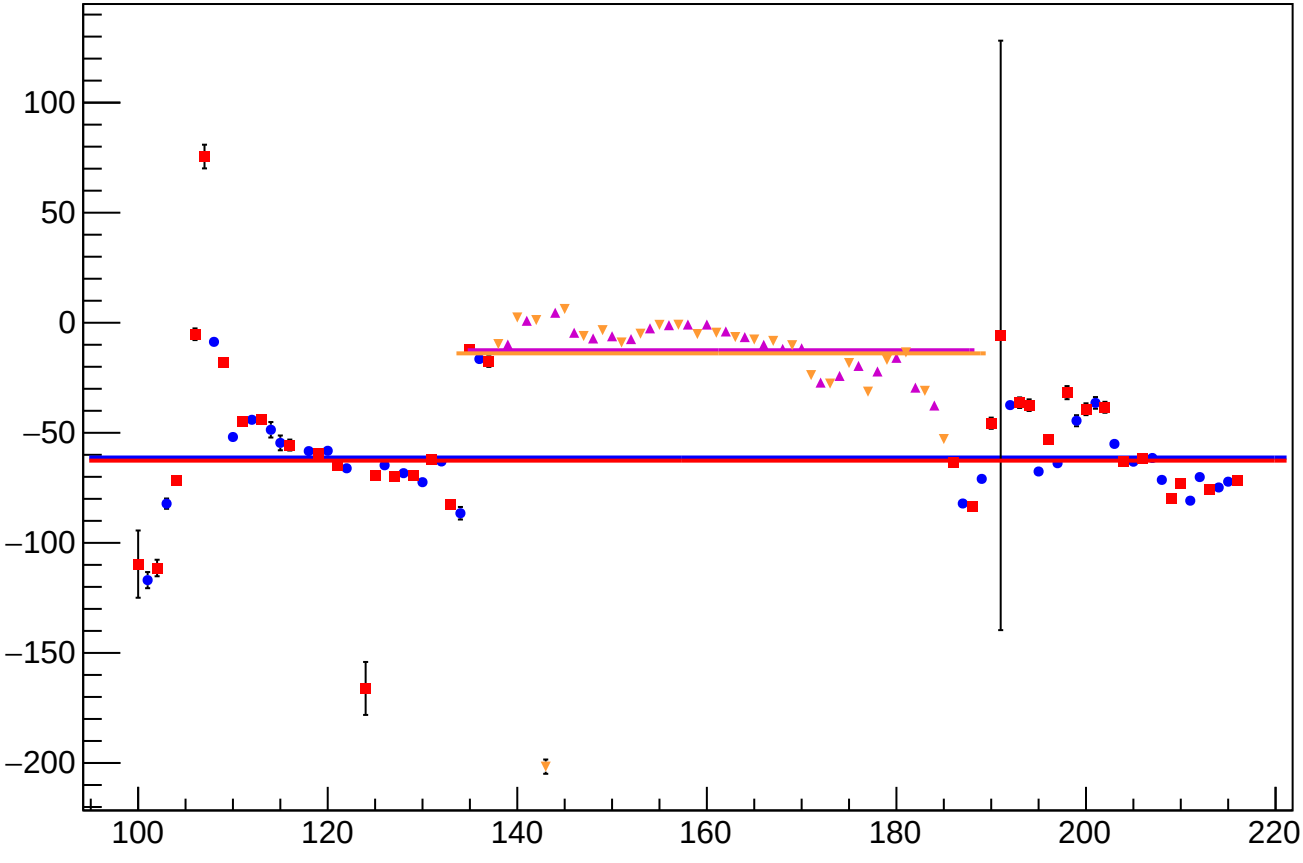
Right: -1.379+/-0.255 χ^2/NDF: 1140.4/65

In: 1.134+/-0.183 χ^2/NDF:898.7/53

Out: 0.751+/-0.177 χ^2/NDF:921.0/59

All: 0.935+/-0.127 χ^2/NDF: 1822.0/113

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: -62.641+/-0.288 χ^2/NDF: 5693.3/34

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

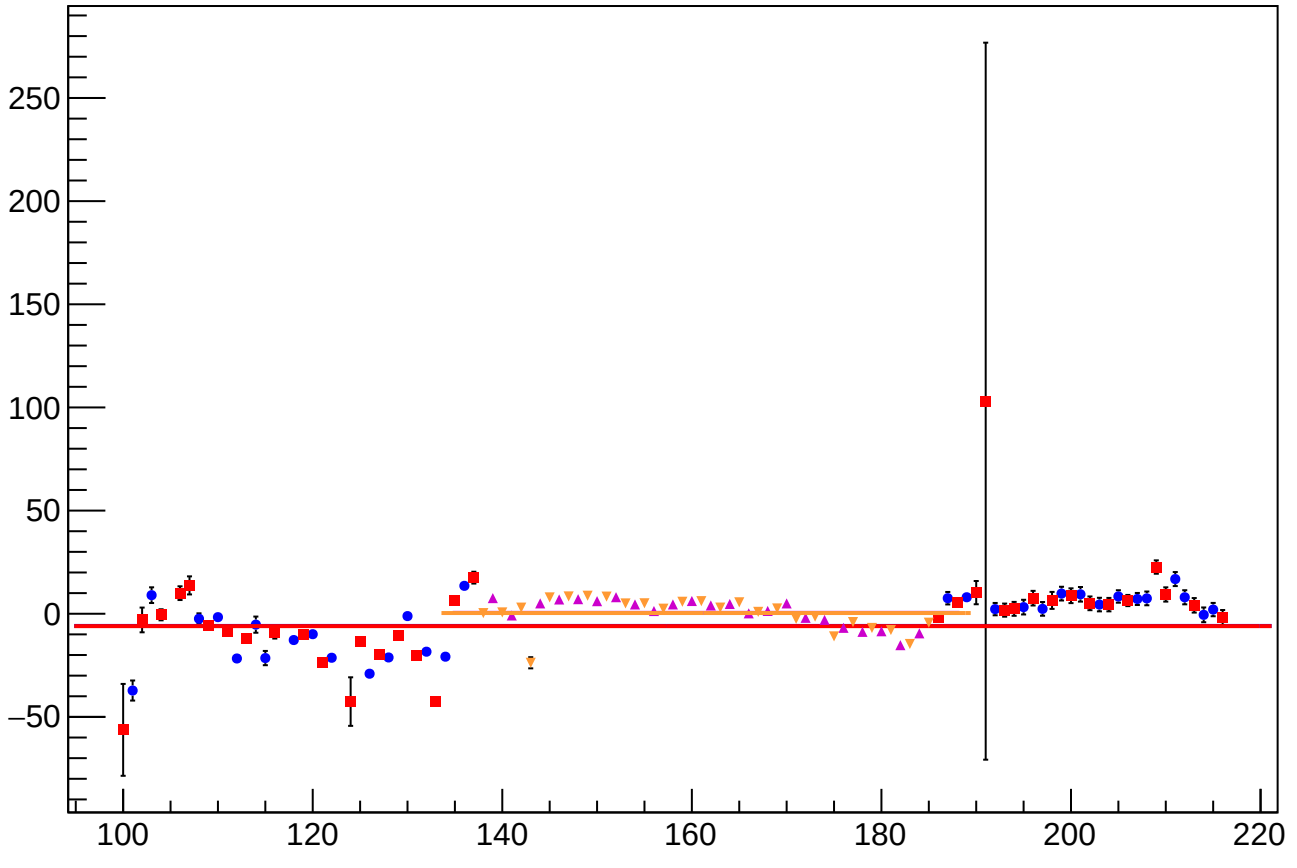
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -62.025+/-0.216 χ^2/NDF: 9368.8/65

In: -32.033+/-0.208 χ^2/NDF:18282.8/53

Out: -36.239+/-0.195 χ^2/NDF:26352.6/59

All: -34.273+/-0.142 χ^2/NDF: 44853.3/113



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: -6.003+/-0.418 χ^2/NDF: 1051.4/34

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

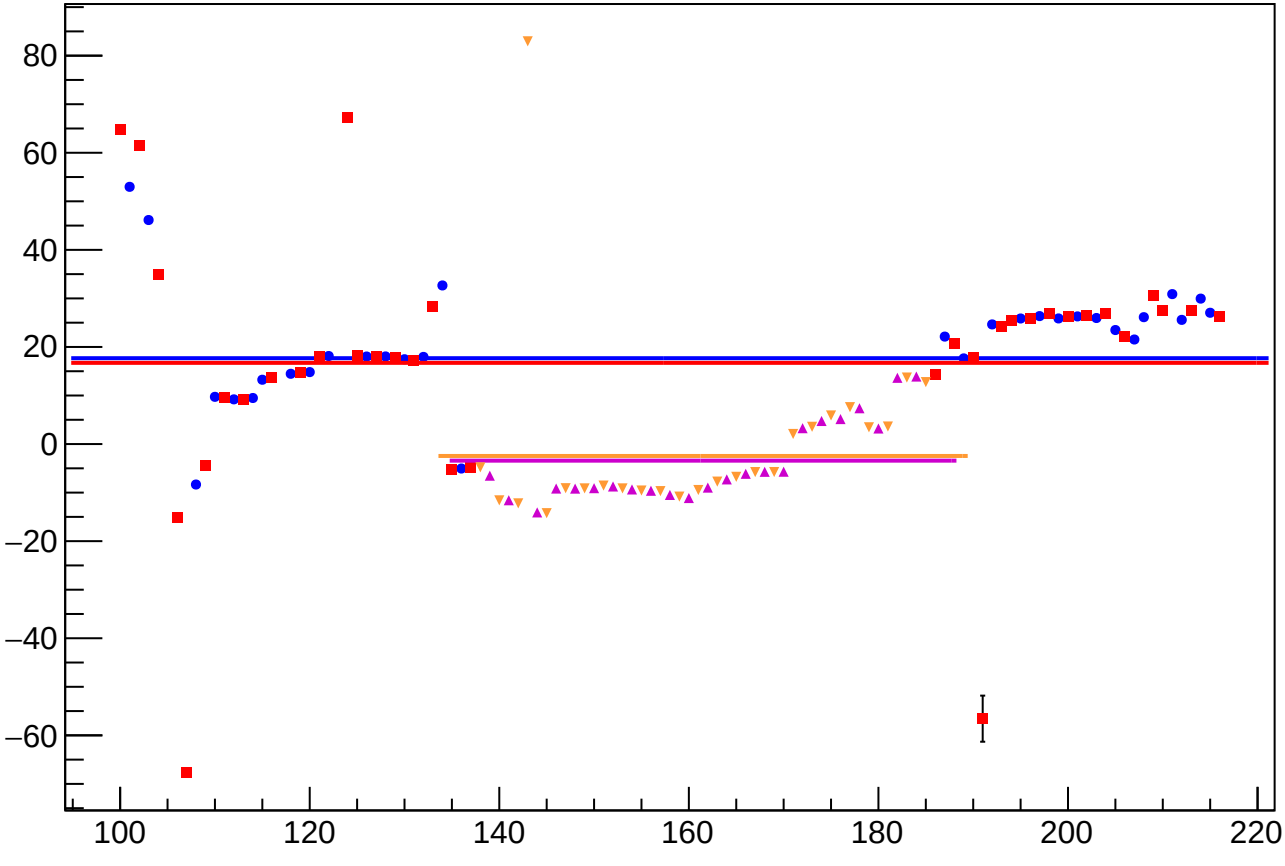
Right: -5.956+/-0.300 χ^2/NDF: 2061.4/65

In: -1.042+/-0.207 χ^2/NDF:1959.1/53

Out: -1.142+/-0.202 χ^2/NDF:2149.7/59

All: -1.094+/-0.145 χ^2/NDF: 4108.9/113

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: 16.728+/-0.022 χ^2/NDF: 577697.5/34

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

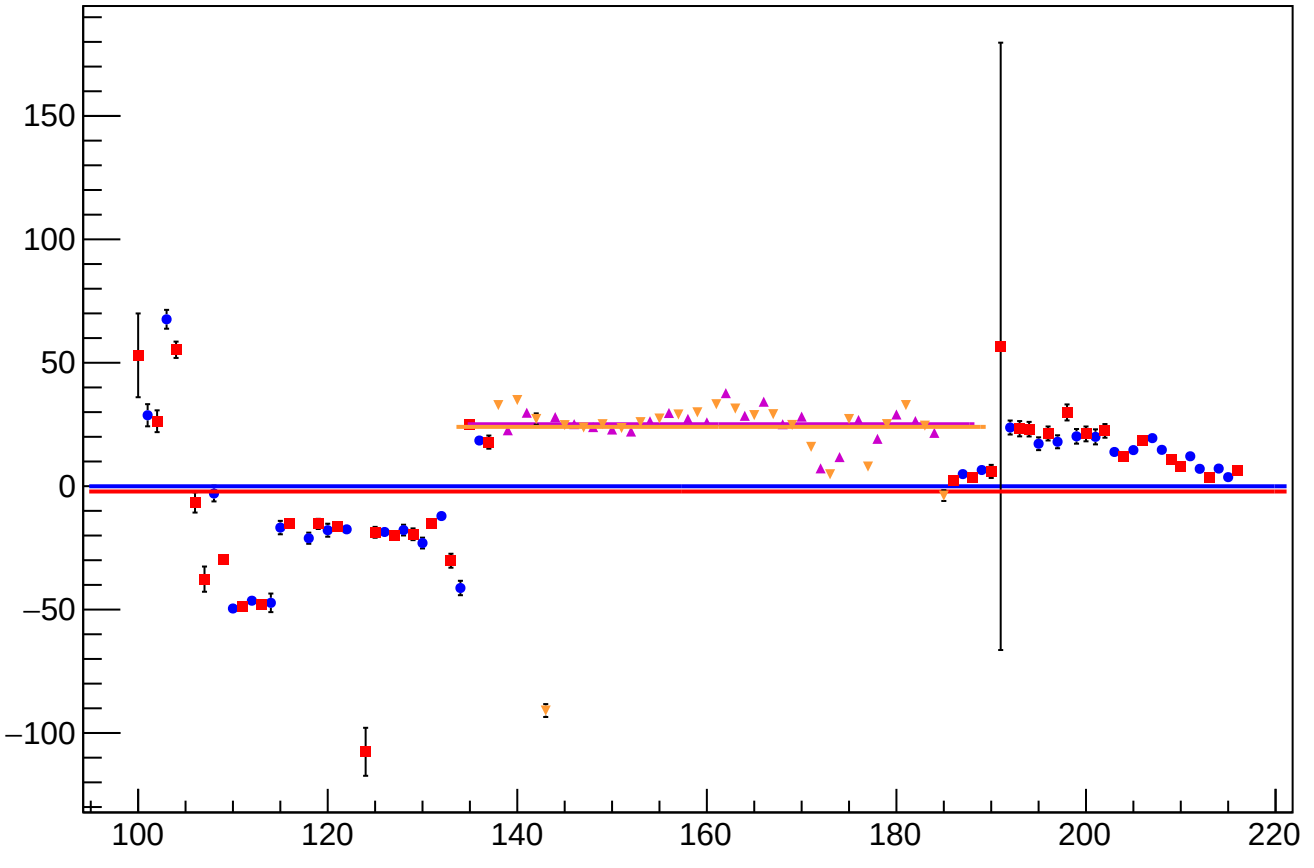
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 17.205+/-0.015 χ^2/NDF: 1034009.8/65

In: 0.538+/-0.009 χ^2/NDF:1768141.2/53

Out: 1.108+/-0.009 χ^2/NDF:2176686.4/59

All: 0.825+/-0.007 χ^2/NDF: 3946675.8/113



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: -2.161+/-0.346 χ^2/NDF: 3915.3/34

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

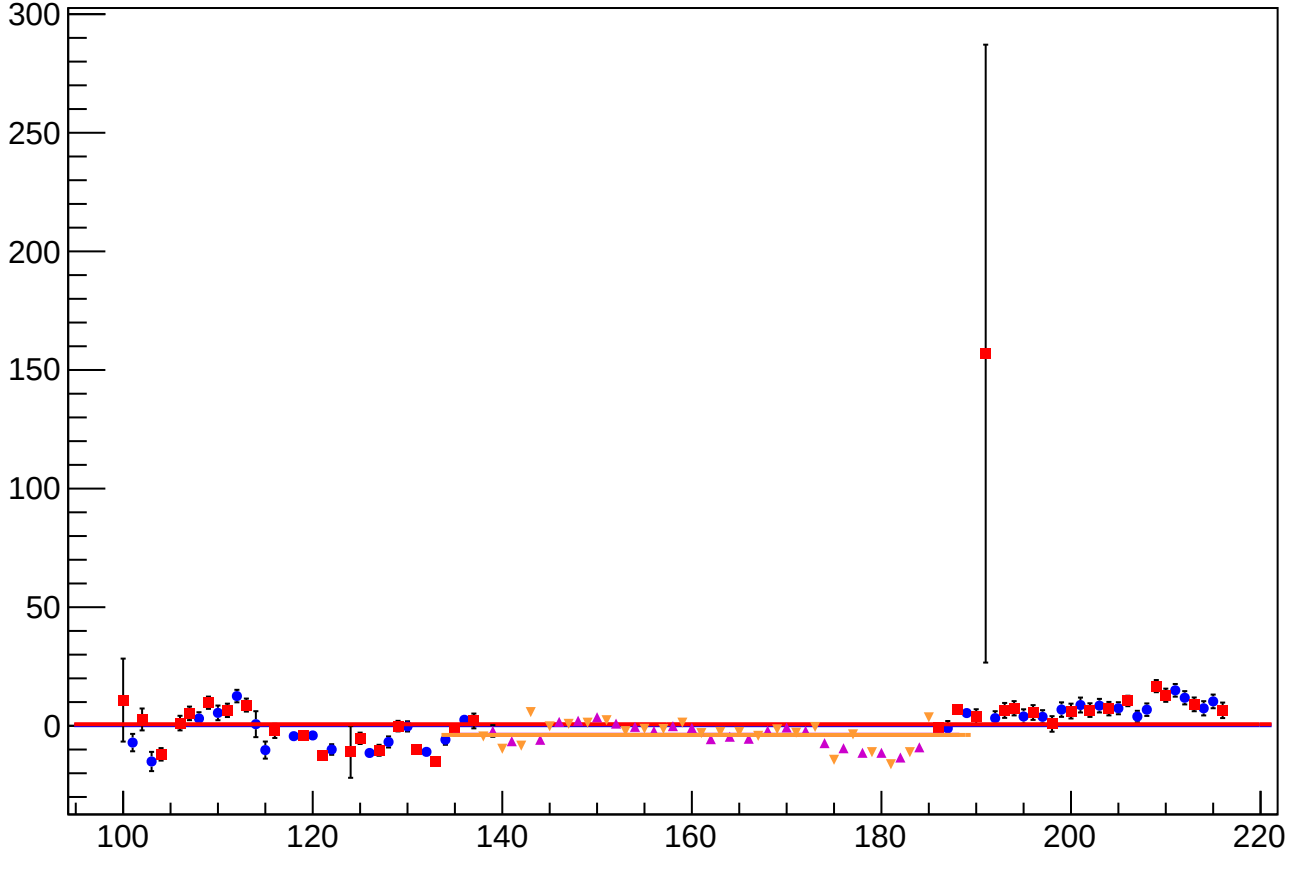
Right: -1.130+/-0.248 χ^2/NDF: 7644.6/65

In: 15.158+/-0.223 χ^2/NDF:7231.7/53

Out: 13.569+/-0.219 χ^2/NDF:10160.1/59

All: 14.346+/-0.156 χ^2/NDF: 17417.6/113

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: 0.668+/-0.424 χ^2/NDF: 358.6/34

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

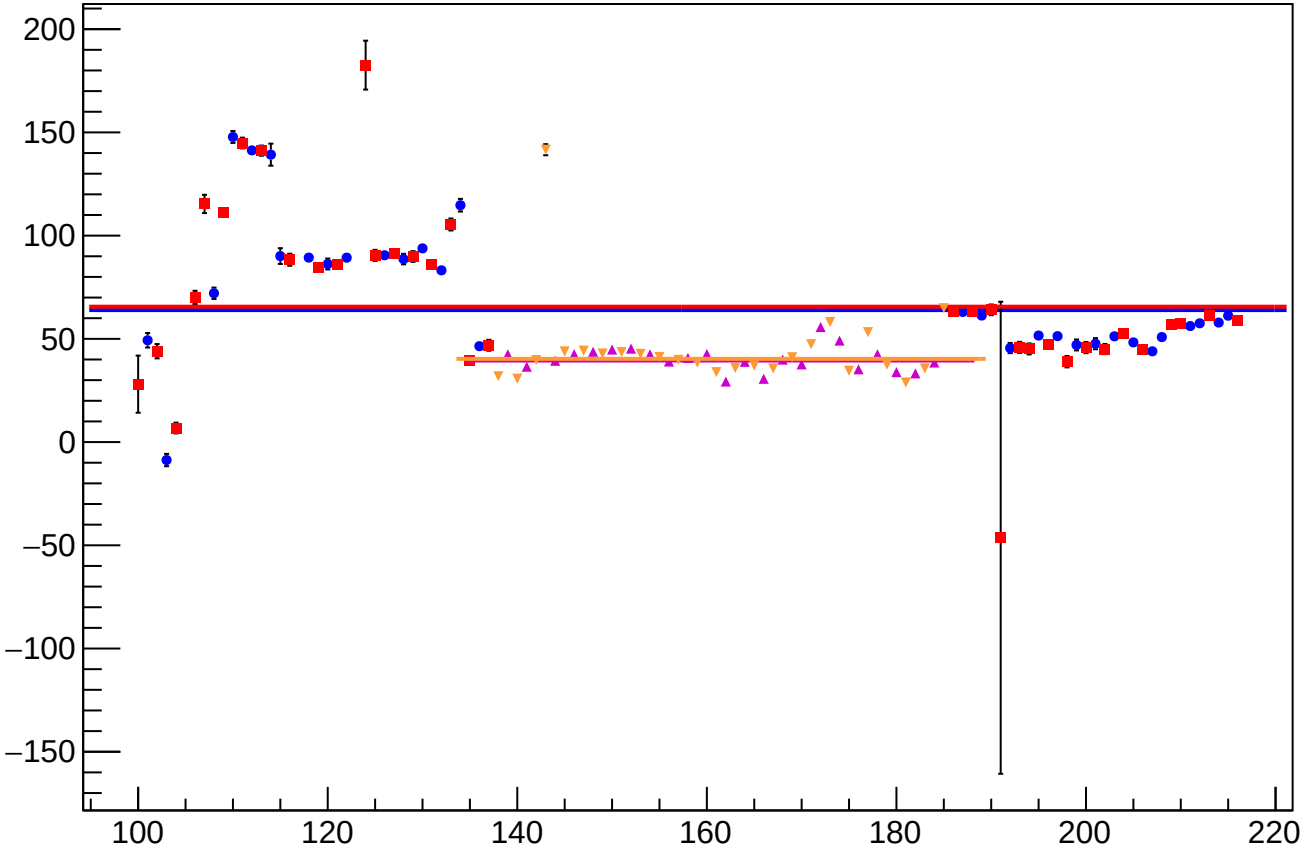
Right: 0.472+/-0.304 χ^2/NDF: 645.6/65

In: -2.937+/-0.199 χ^2/NDF:864.5/53

Out: -2.903+/-0.194 χ^2/NDF:1097.6/59

All: -2.920+/-0.139 χ^2/NDF: 1962.1/113

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 65.579+/-0.347 χ^2/NDF: 4846.0/34

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

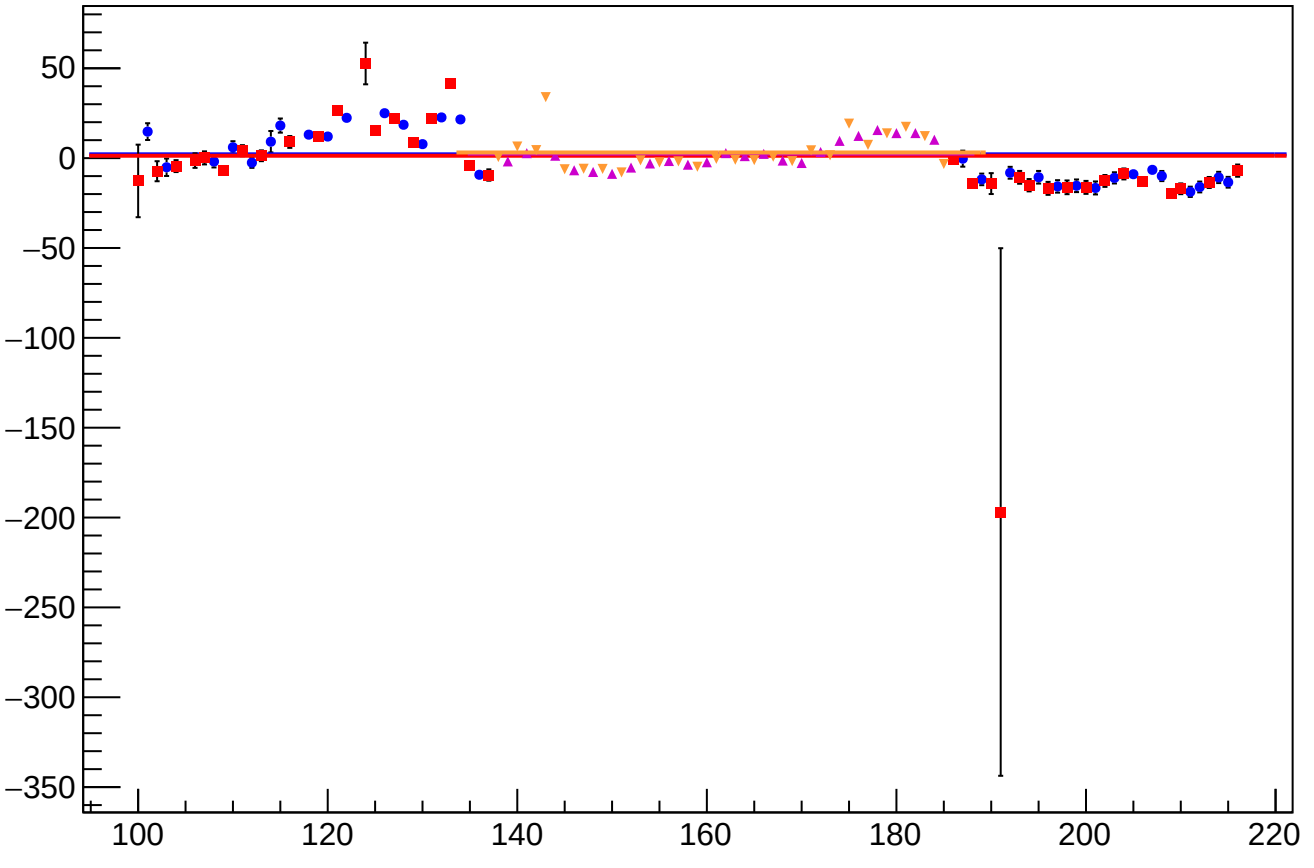
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 64.804+/-0.252 χ^2/NDF: 9534.9/65

In: 48.696+/-0.225 χ^2/NDF:7880.6/53

Out: 50.295+/-0.218 χ^2/NDF:10241.3/59

All: 49.521+/-0.156 χ^2/NDF: 18148.0/113



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: 1.335+/-0.496 χ^2/NDF: 1032.3/34

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

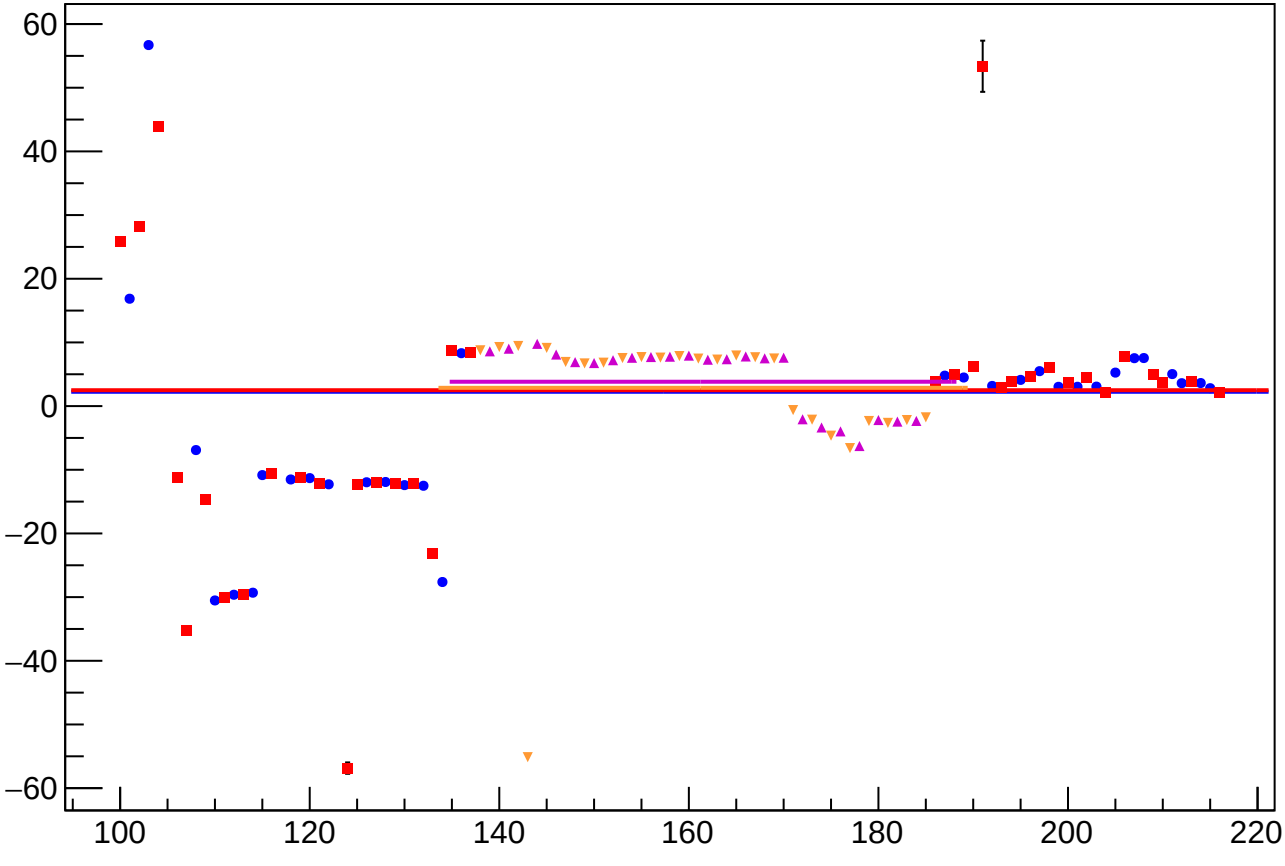
Right: 1.724+/-0.351 χ^2/NDF: 1883.8/65

In: 2.436+/-0.224 χ^2/NDF:1819.0/53

Out: 2.786+/-0.220 χ^2/NDF:2310.0/59

All: 2.614+/-0.157 χ^2/NDF: 4130.2/113

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 2.493+/-0.024 χ^2/NDF: 330761.3/34

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

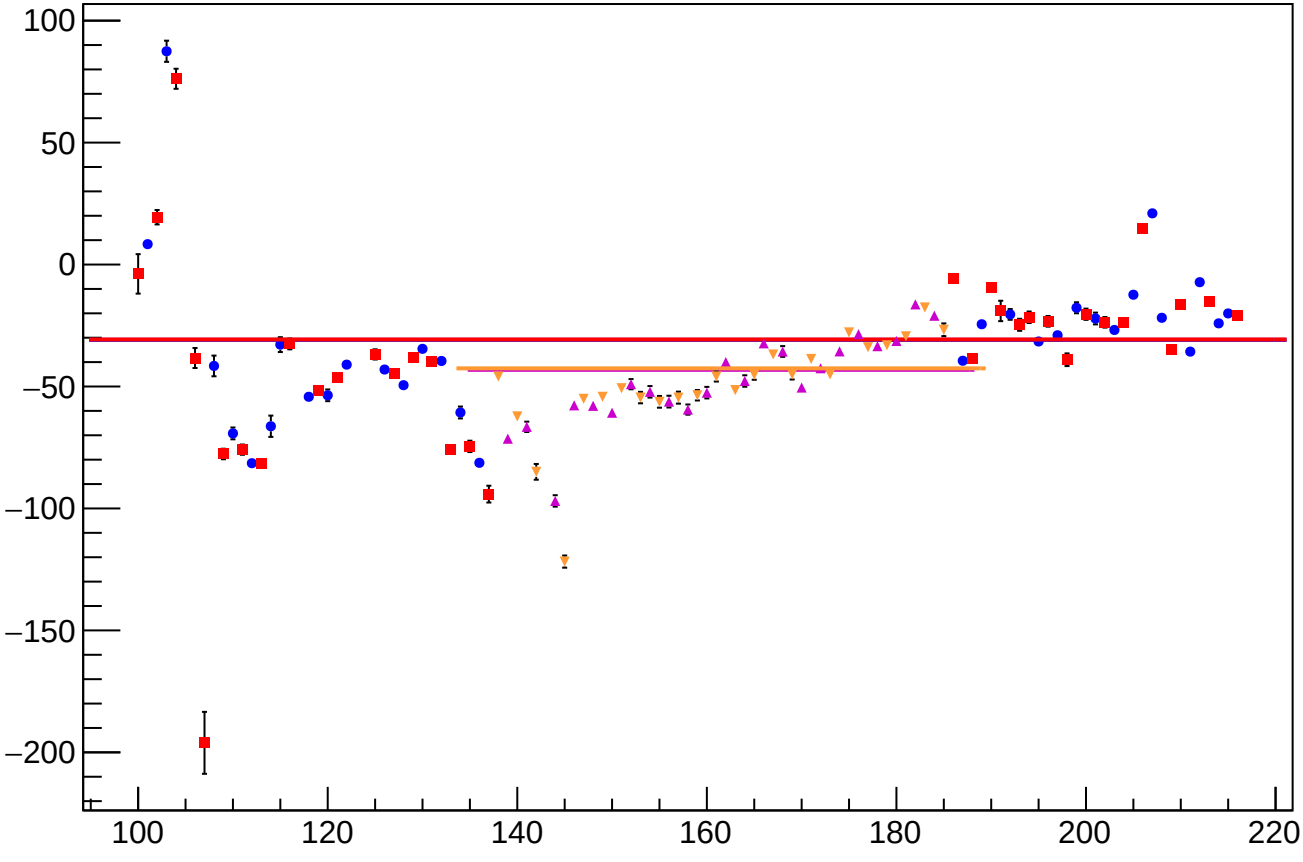
Right: 2.372+/-0.017 χ^2/NDF: 713827.4/65

In: 3.539+/-0.010 χ^2/NDF:619886.1/53

Out: 2.803+/-0.010 χ^2/NDF:843300.7/59

All: 3.169+/-0.007 χ^2/NDF: 1465891.2/113

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: -30.723+/-0.309 χ^2/NDF: 6552.0/33

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

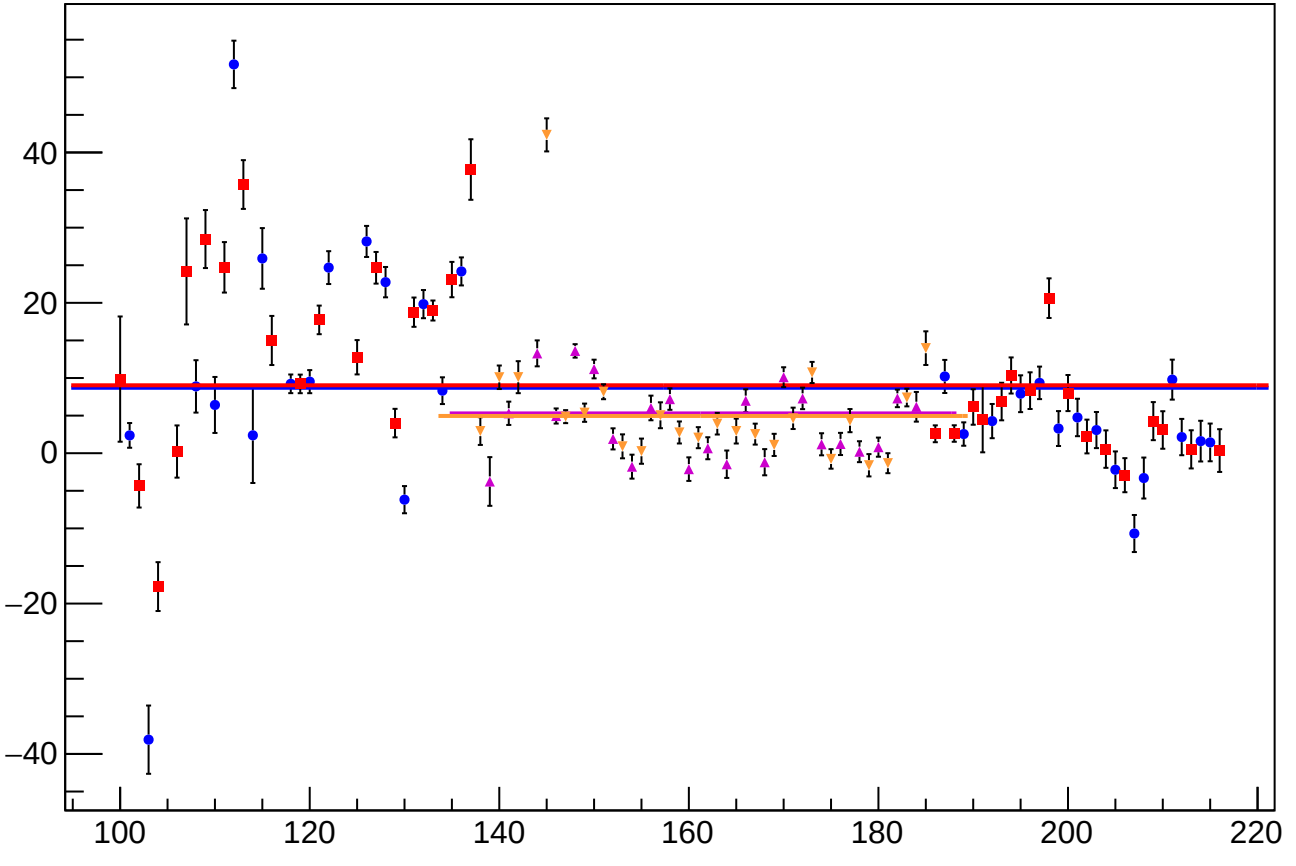
Right: -30.794+/-0.225 χ^2/NDF: 11980.5/64

In: -36.065+/-0.248 χ^2/NDF:8232.8/53

Out: -35.466+/-0.239 χ^2/NDF:9465.2/57

All: -35.755+/-0.172 χ^2/NDF: 17701.0/111

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: 9.033+/-0.373 χ^2/NDF: 641.1/33

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

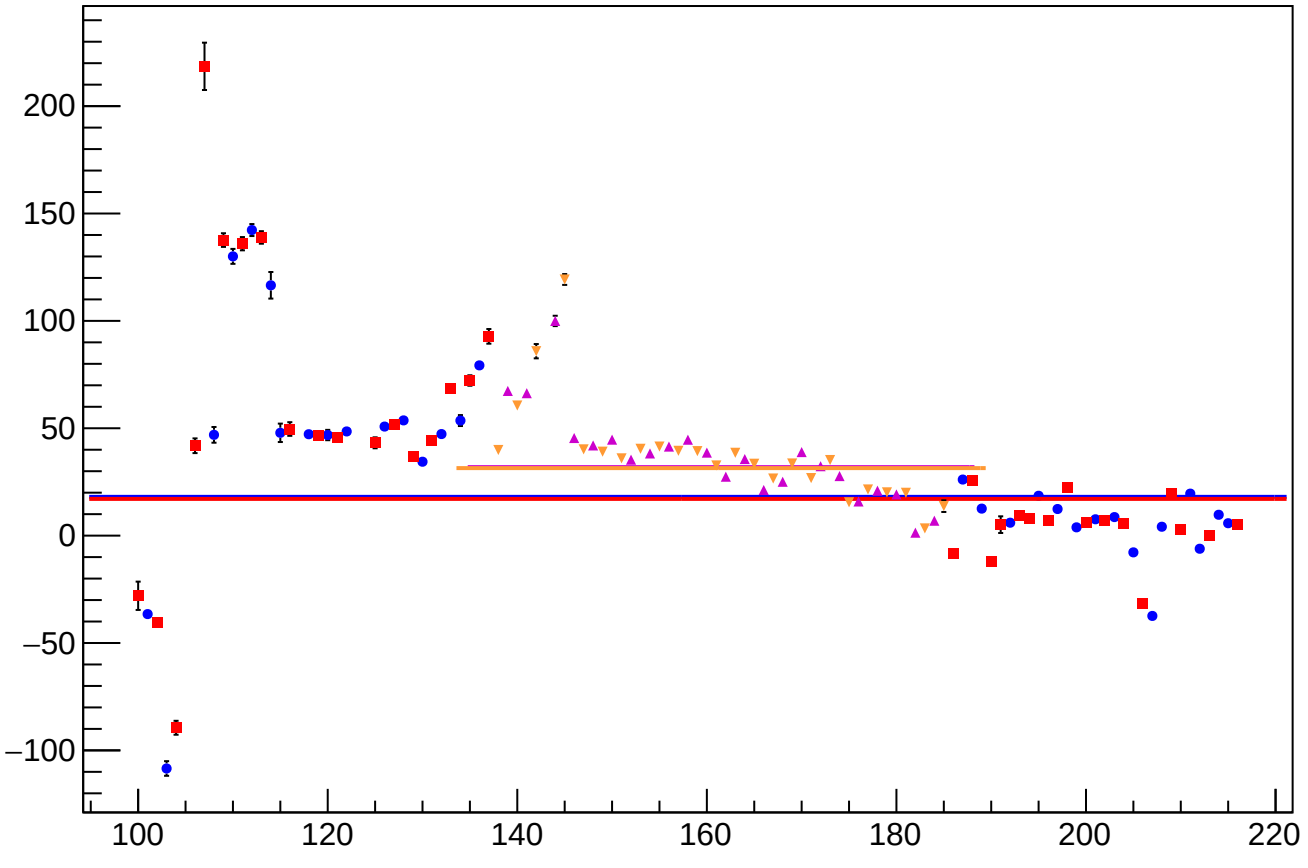
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 8.877+/-0.270 χ^2/NDF: 1488.9/64

In: 6.522+/-0.235 χ^2/NDF:1182.2/53

Out: 6.483+/-0.228 χ^2/NDF:1165.1/57

All: 6.502+/-0.164 χ^2/NDF: 2347.4/111



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: 17.107+/-0.296 χ^2/NDF: 12885.0/33

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

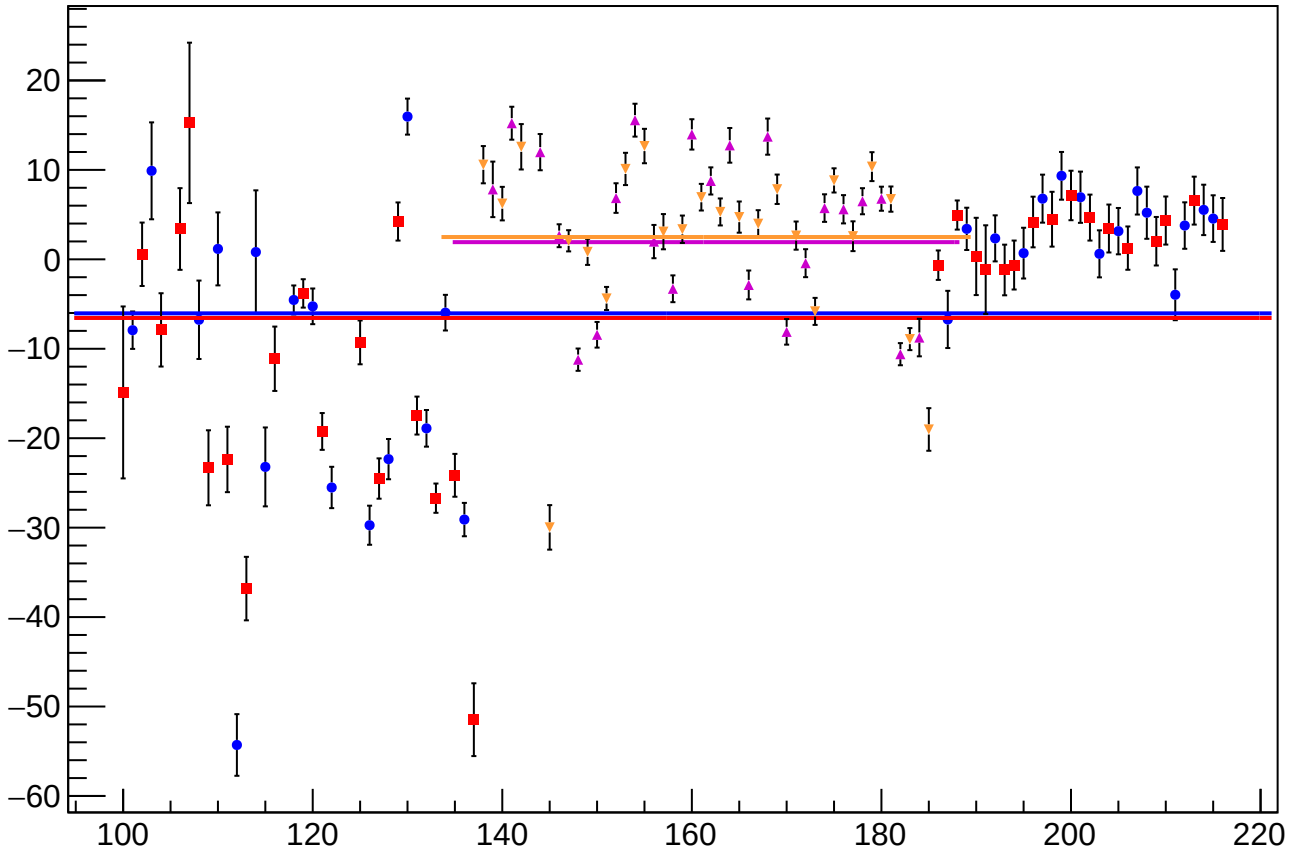
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 17.533+/-0.219 χ^2/NDF: 24031.9/64

In: 23.971+/-0.247 χ^2/NDF:14676.6/53

Out: 22.591+/-0.232 χ^2/NDF:16546.2/57

All: 23.238+/-0.169 χ^2/NDF: 31239.4/111



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: -6.556+/-0.447 χ^2/NDF: 842.4/33

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

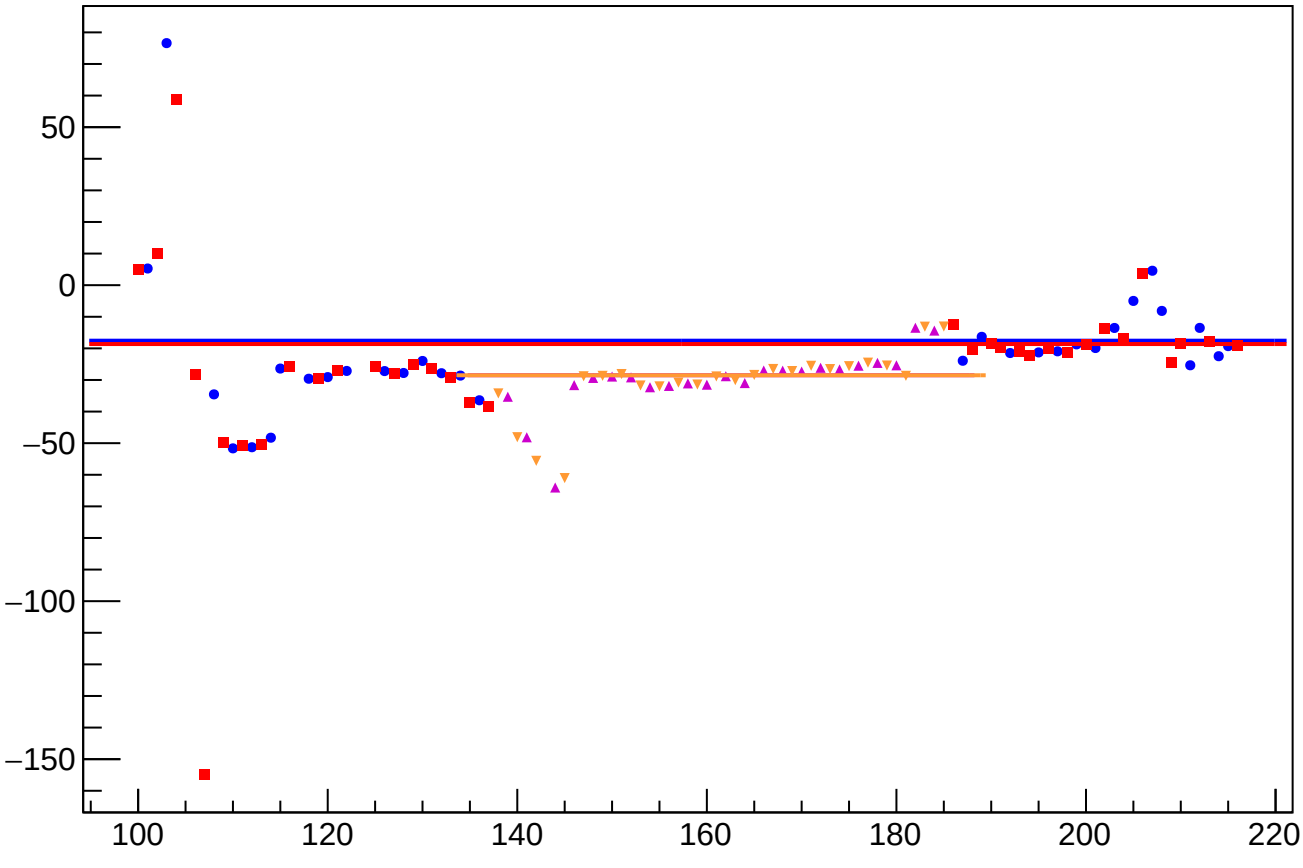
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -6.302+/-0.319 χ^2/NDF: 1839.0/64

In: -0.846+/-0.268 χ^2/NDF:1874.6/53

Out: -0.654+/-0.264 χ^2/NDF:1668.0/57

All: -0.748+/-0.188 χ^2/NDF: 3542.9/111



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: -18.629+/-0.021 χ^2/NDF: 625408.6/33

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

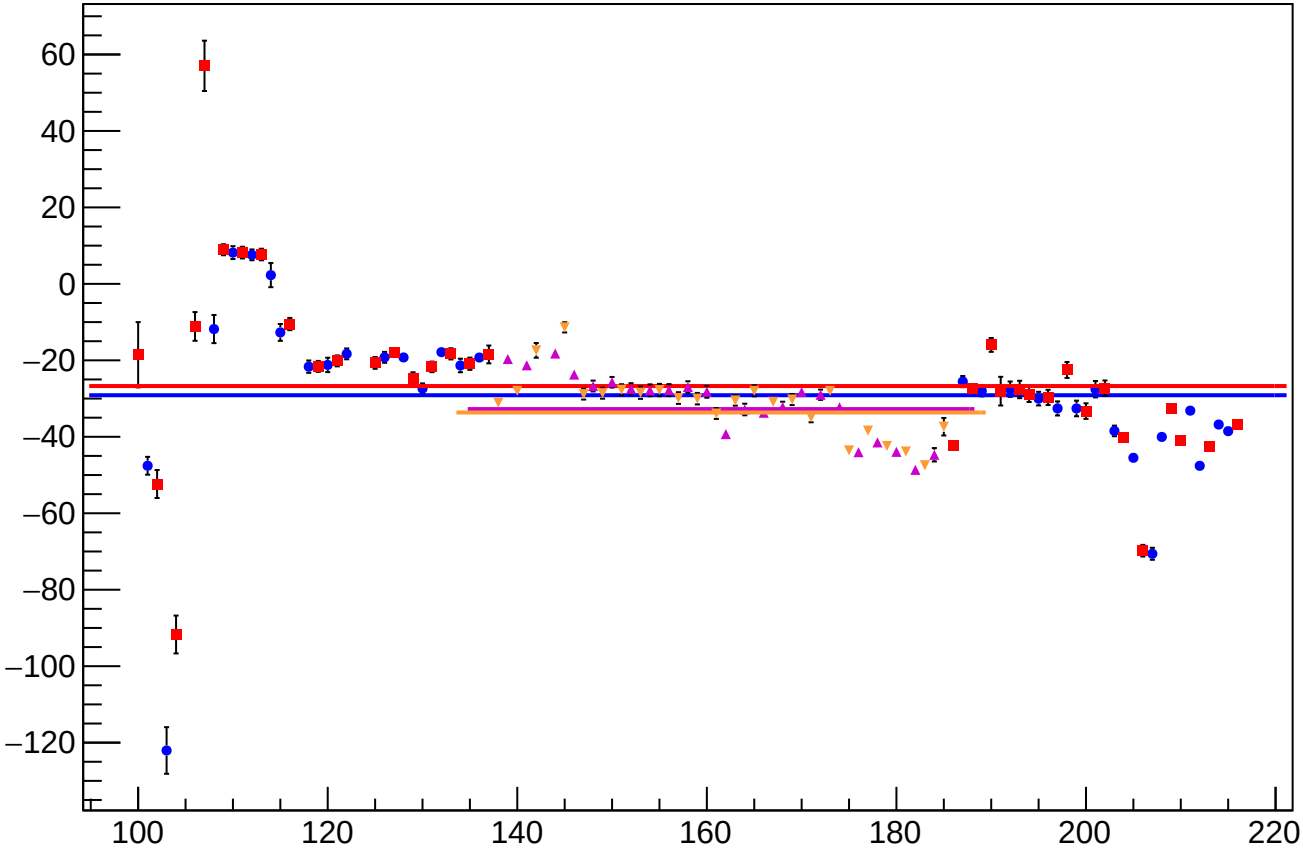
Right: -18.109+/-0.015 χ^2/NDF: 1359090.0/64

In: -24.939+/-0.012 χ^2/NDF:1197321.2/53

Out: -25.228+/-0.012 χ^2/NDF:1108111.3/57

All: -25.085+/-0.009 χ^2/NDF: 2305716.7/111

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: -26.725+/-0.264 χ^2/NDF: 3964.3/33

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

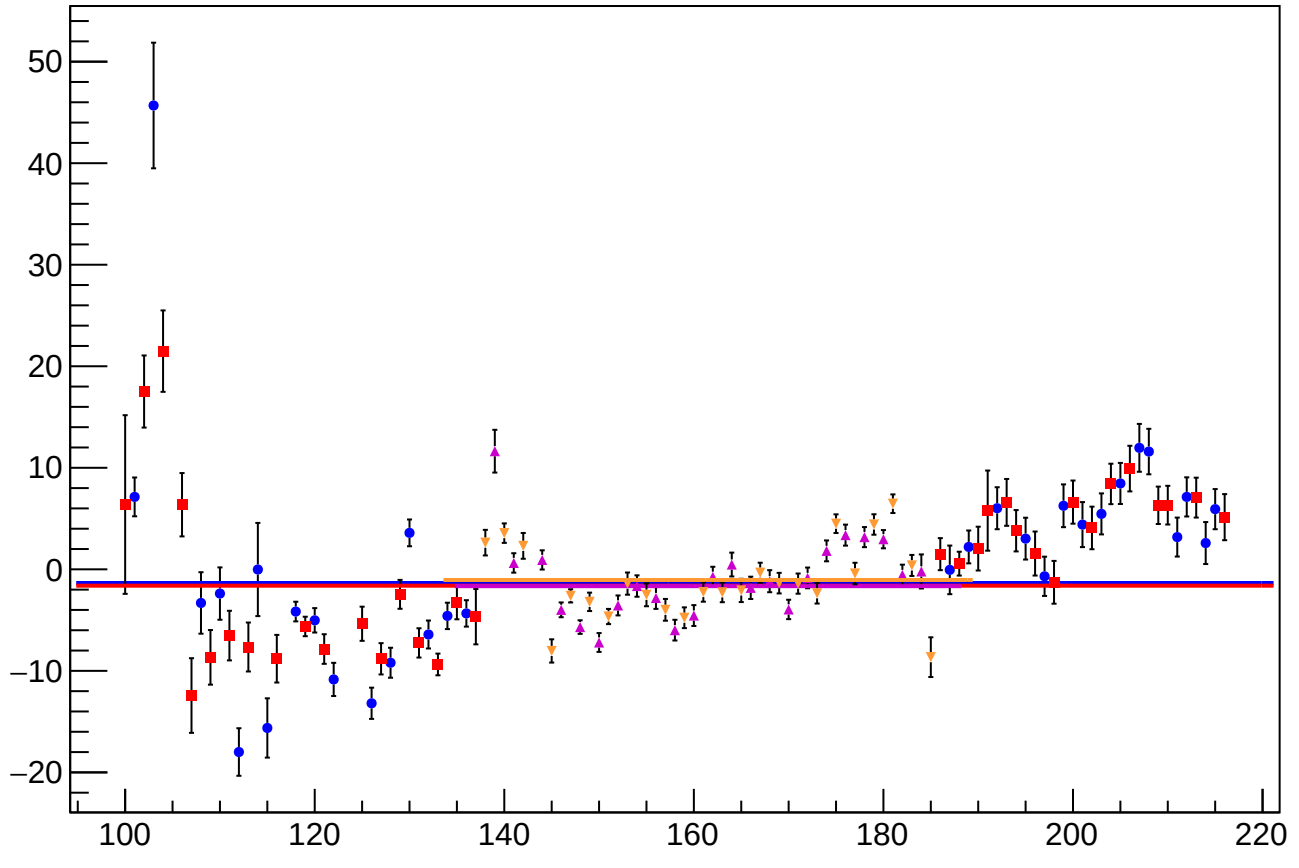
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -27.925+/-0.186 χ^2/NDF: 7488.4/64

In: -30.903+/-0.188 χ^2/NDF:4718.9/53

Out: -30.163+/-0.187 χ^2/NDF:5322.7/57

All: -30.531+/-0.133 χ^2/NDF: 10049.4/111



Right In: -1.346+/-0.319 χ^2/NDF: 515.2/30

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.612+/-0.318 χ^2/NDF: 411.8/33

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

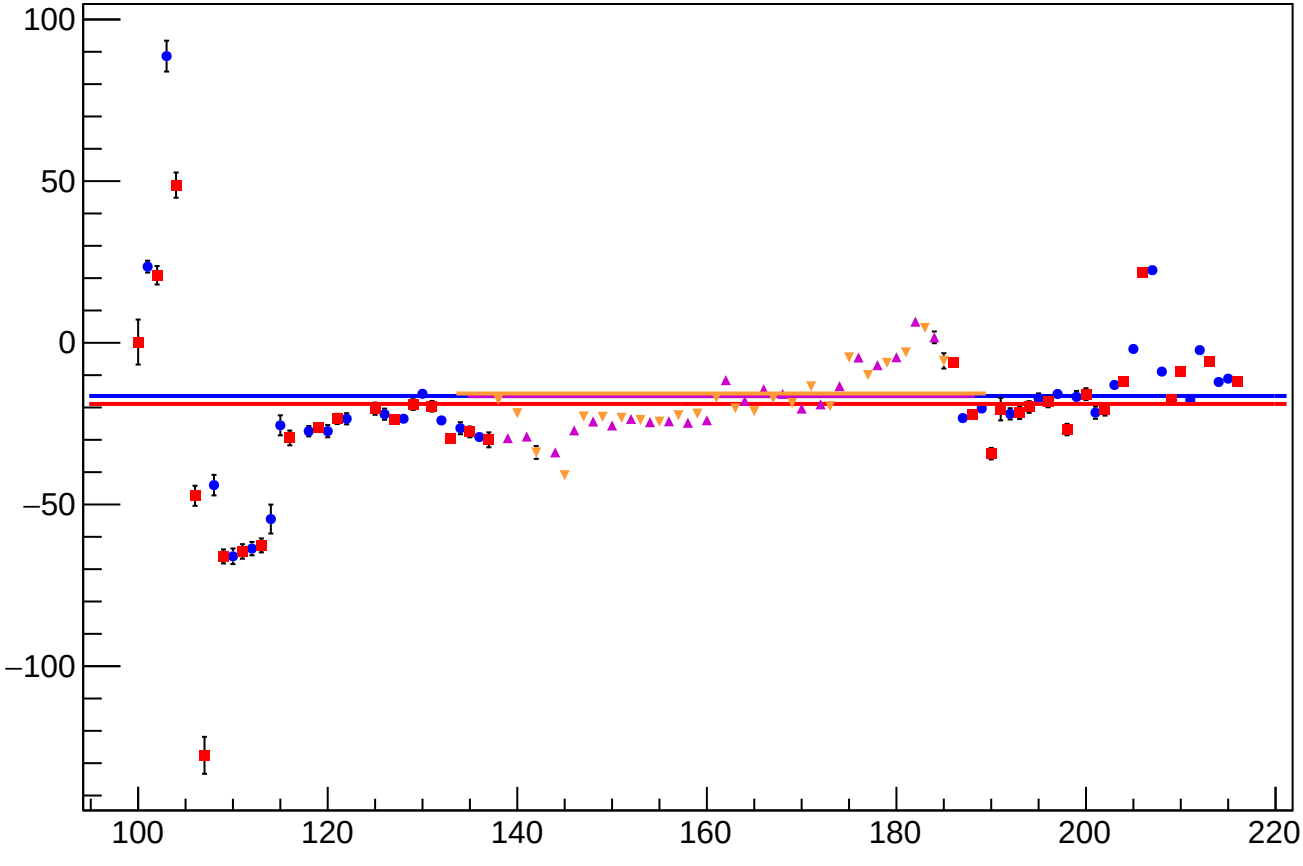
Right: -1.480+/-0.225 χ^2/NDF: 927.4/64

In: -1.566+/-0.173 χ^2/NDF:780.2/53

Out: -1.212+/-0.171 χ^2/NDF:703.5/57

All: -1.387+/-0.122 χ^2/NDF: 1485.8/111

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: -18.903+/-0.267 χ^2/NDF: 3751.1/33

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

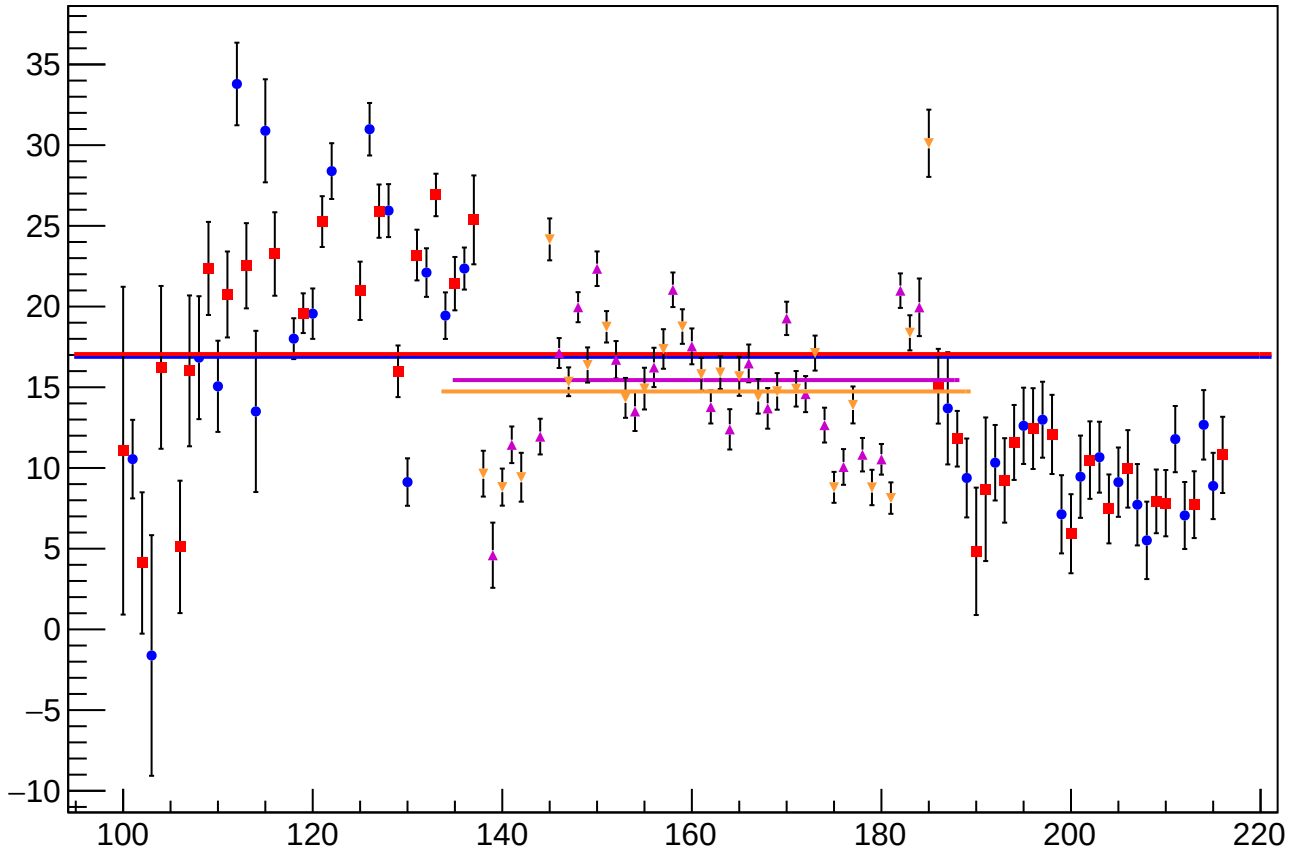
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -17.699+/-0.191 χ^2/NDF: 7268.5/64

In: -16.459+/-0.191 χ^2/NDF:5173.3/53

Out: -17.266+/-0.187 χ^2/NDF:5346.2/57

All: -16.869+/-0.134 χ^2/NDF: 10528.6/111



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: 17.057+/-0.370 χ^2/NDF: 357.0/33

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

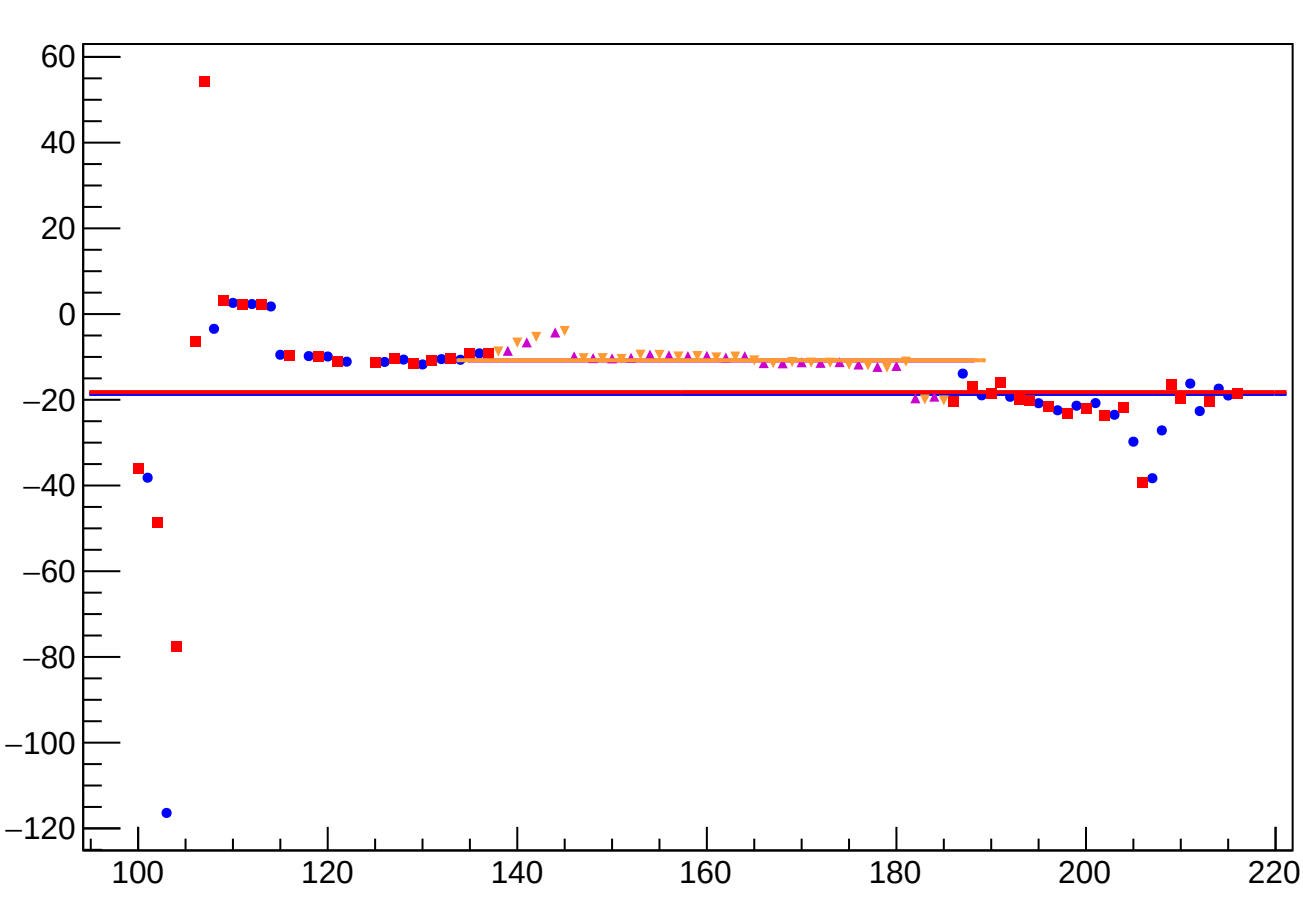
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 16.971+/-0.259 χ^2/NDF: 801.4/64

In: 15.864+/-0.196 χ^2/NDF:745.8/53

Out: 15.384+/-0.195 χ^2/NDF:716.3/57

All: 15.622+/-0.138 χ^2/NDF: 1465.1/111



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: -18.208+/-0.018 χ^2/NDF: 433275.5/33

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

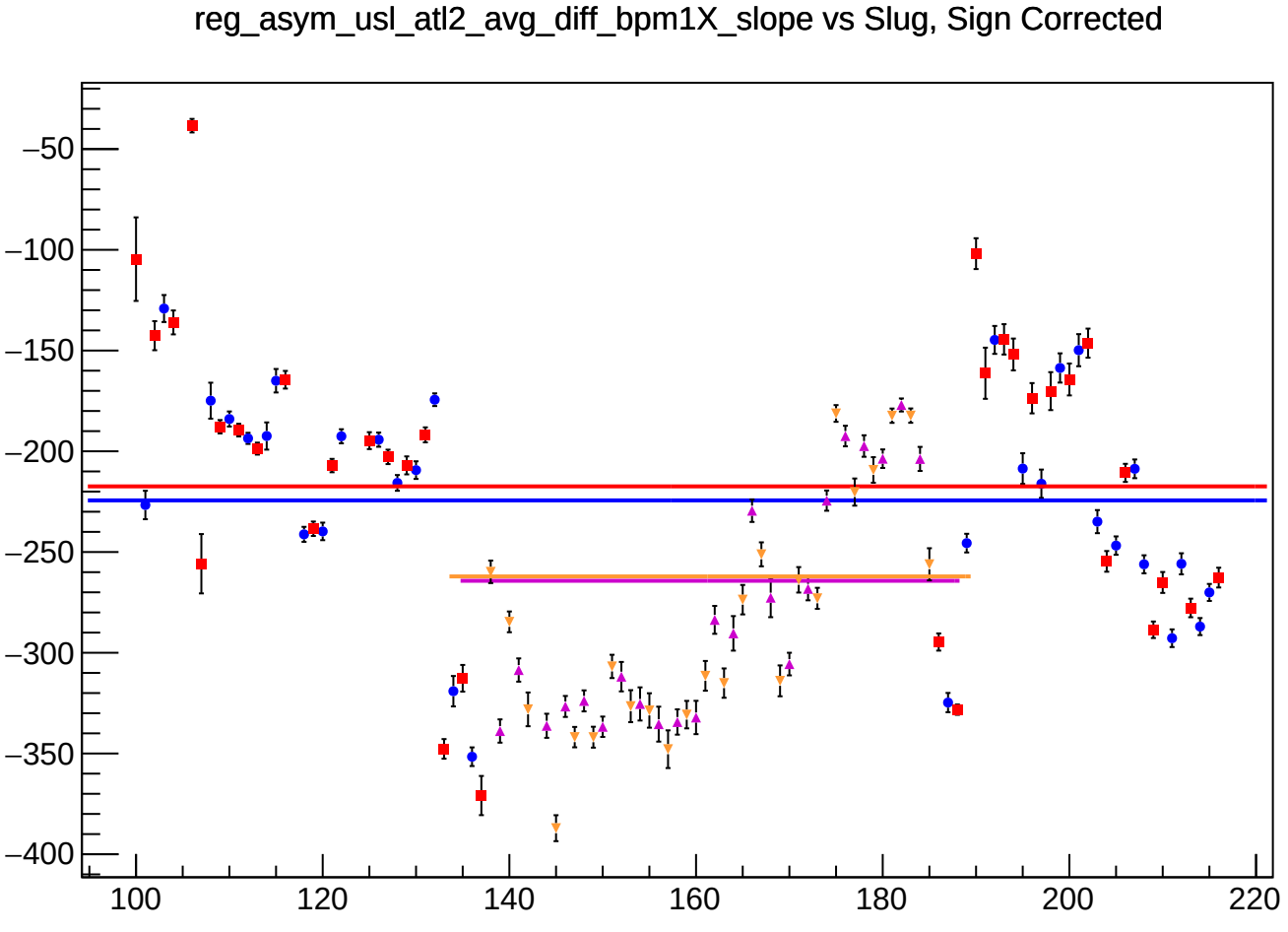
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.422+/-0.013 χ^2/NDF: 889879.3/64

In: -12.786+/-0.009 χ^2/NDF:673612.0/53

Out: -12.616+/-0.009 χ^2/NDF:647115.3/57

All: -12.701+/-0.006 χ^2/NDF: 1320909.2/111



Right In: -224.373+/-0.834 χ^2/NDF: 3444.3/30

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -217.420+/-0.789 χ^2/NDF: 8343.2/33

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

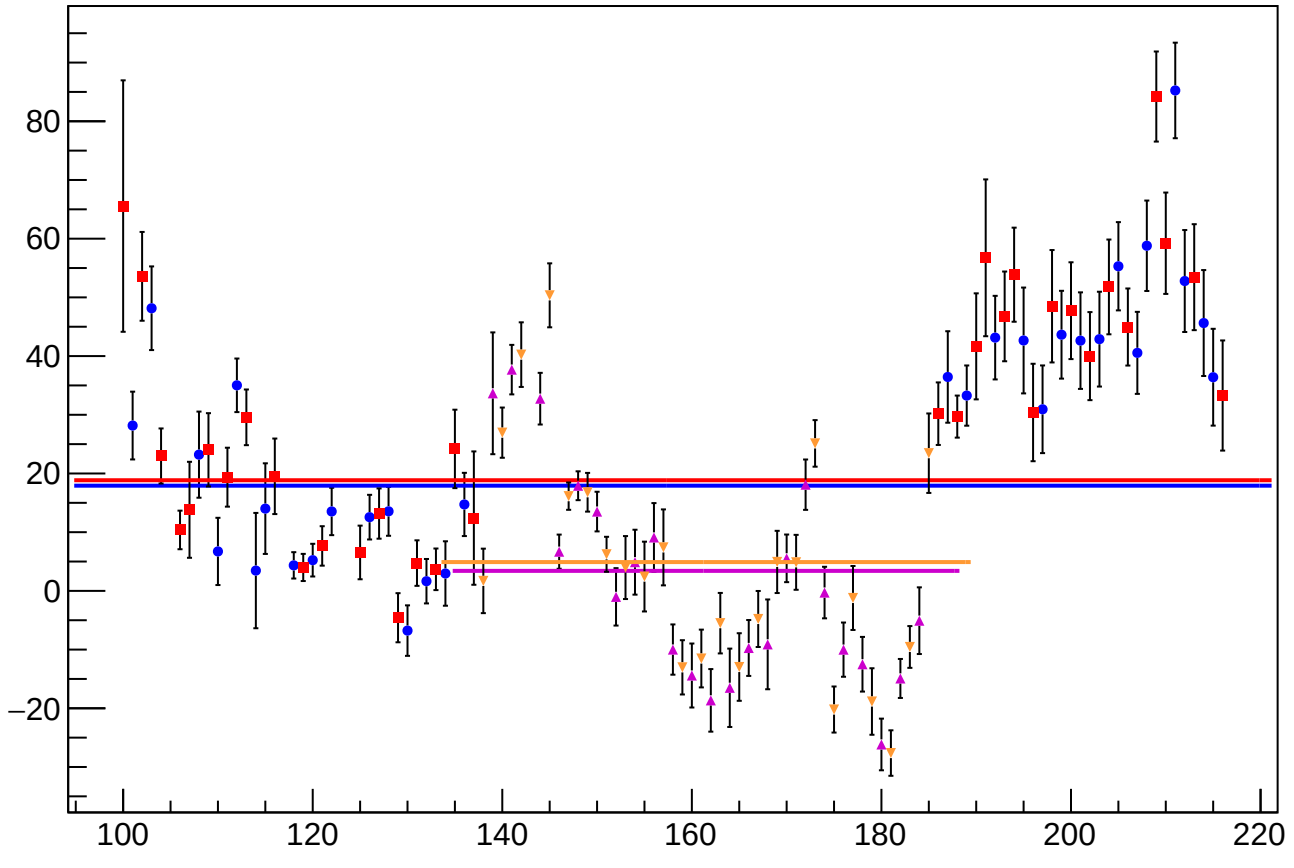
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -220.706+/-0.573 χ^2/NDF: 11824.1/64

In: -237.579+/-0.682 χ^2/NDF:6943.8/53

Out: -231.249+/-0.656 χ^2/NDF:12299.4/57

All: -234.291+/-0.473 χ^2/NDF: 19288.0/111



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: 18.849+/-0.901 χ^2/NDF: 401.0/33

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

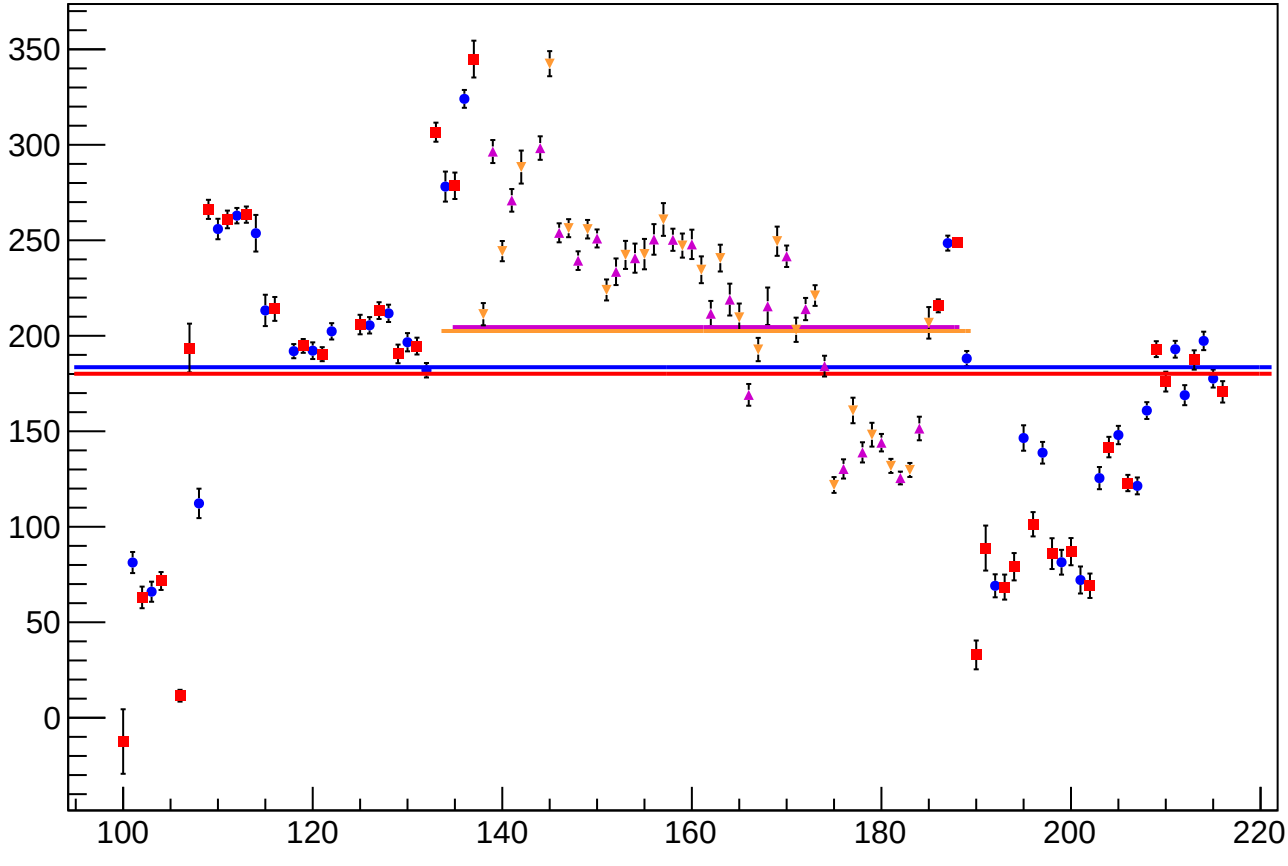
Right: 18.404+/-0.649 χ^2/NDF: 794.6/64

In: 10.395+/-0.649 χ^2/NDF:851.5/53

Out: 11.766+/-0.632 χ^2/NDF:921.6/57

All: 11.099+/-0.453 χ^2/NDF: 1775.4/111

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: 180.118+/-0.818 χ^2/NDF: 9503.1/33

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

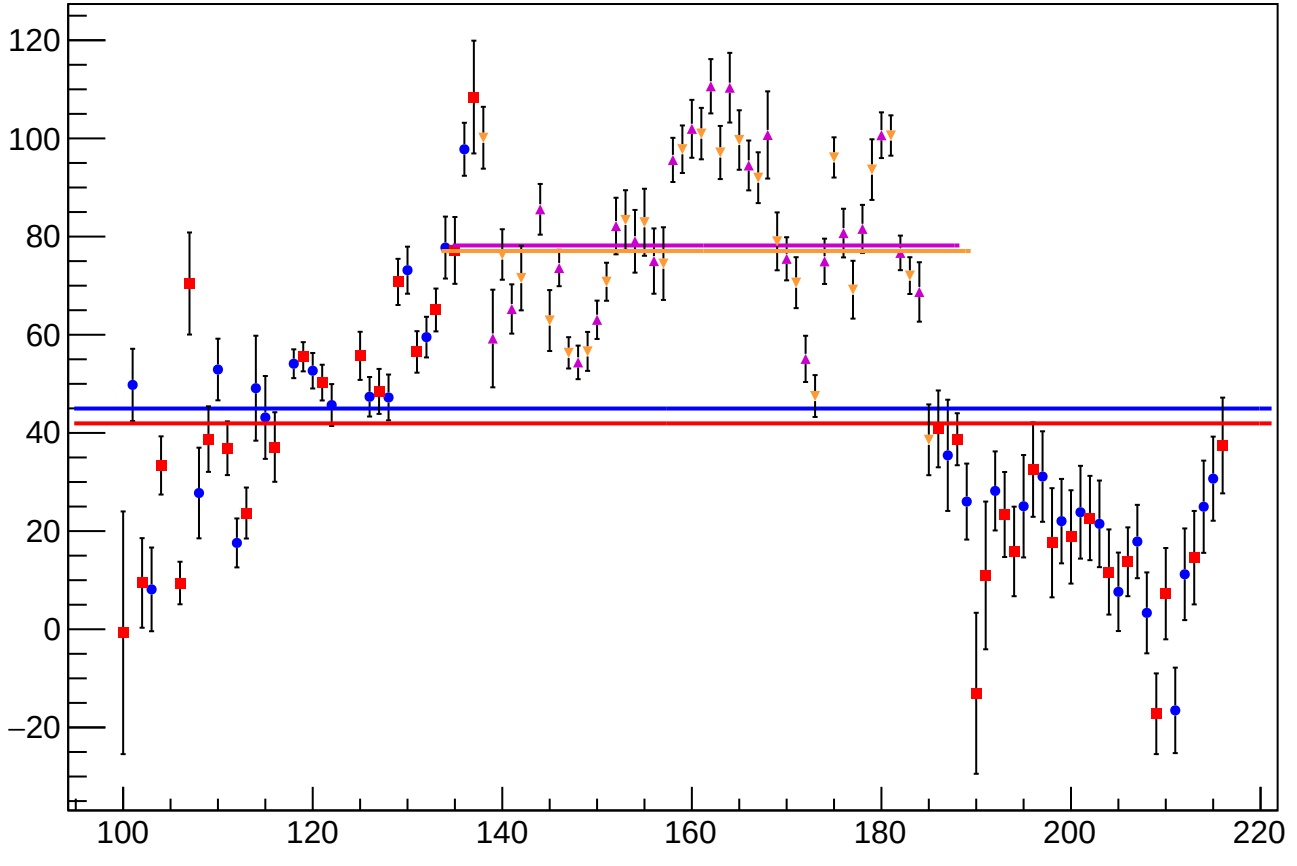
Right: 181.697+/-0.601 χ^2/NDF: 13850.5/64

In: 191.160+/-0.708 χ^2/NDF:6828.2/53

Out: 187.447+/-0.671 χ^2/NDF:12141.8/57

All: 189.203+/-0.487 χ^2/NDF: 18984.5/111

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: 41.946+/-1.061 χ^2/NDF: 417.1/33

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

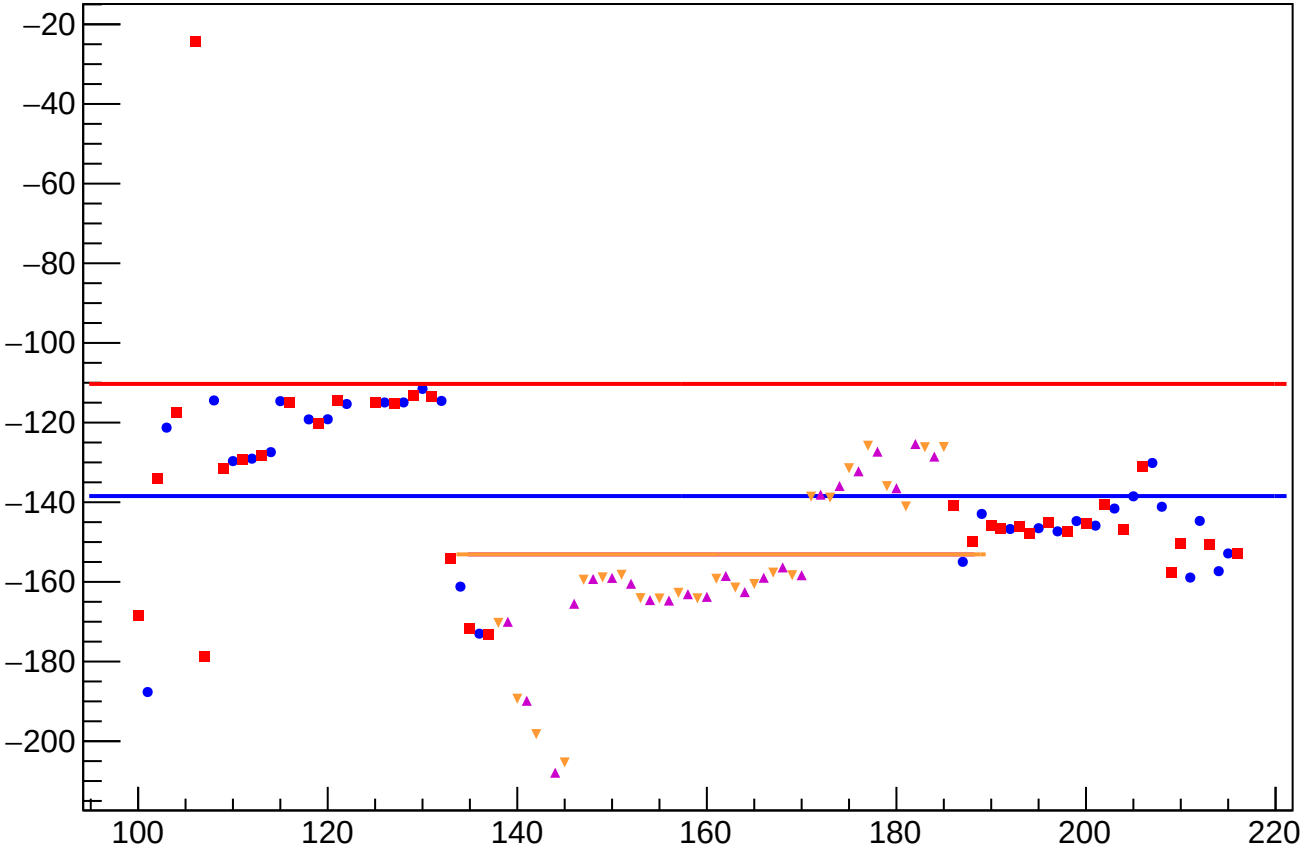
Right: 43.419+/-0.759 χ^2/NDF: 827.0/64

In: 62.556+/-0.746 χ^2/NDF:1132.2/53

Out: 60.274+/-0.733 χ^2/NDF:1300.3/57

All: 61.396+/-0.523 χ^2/NDF: 2437.3/111

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: -110.291+/-0.051 χ^2/NDF: 1024957.2/33

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

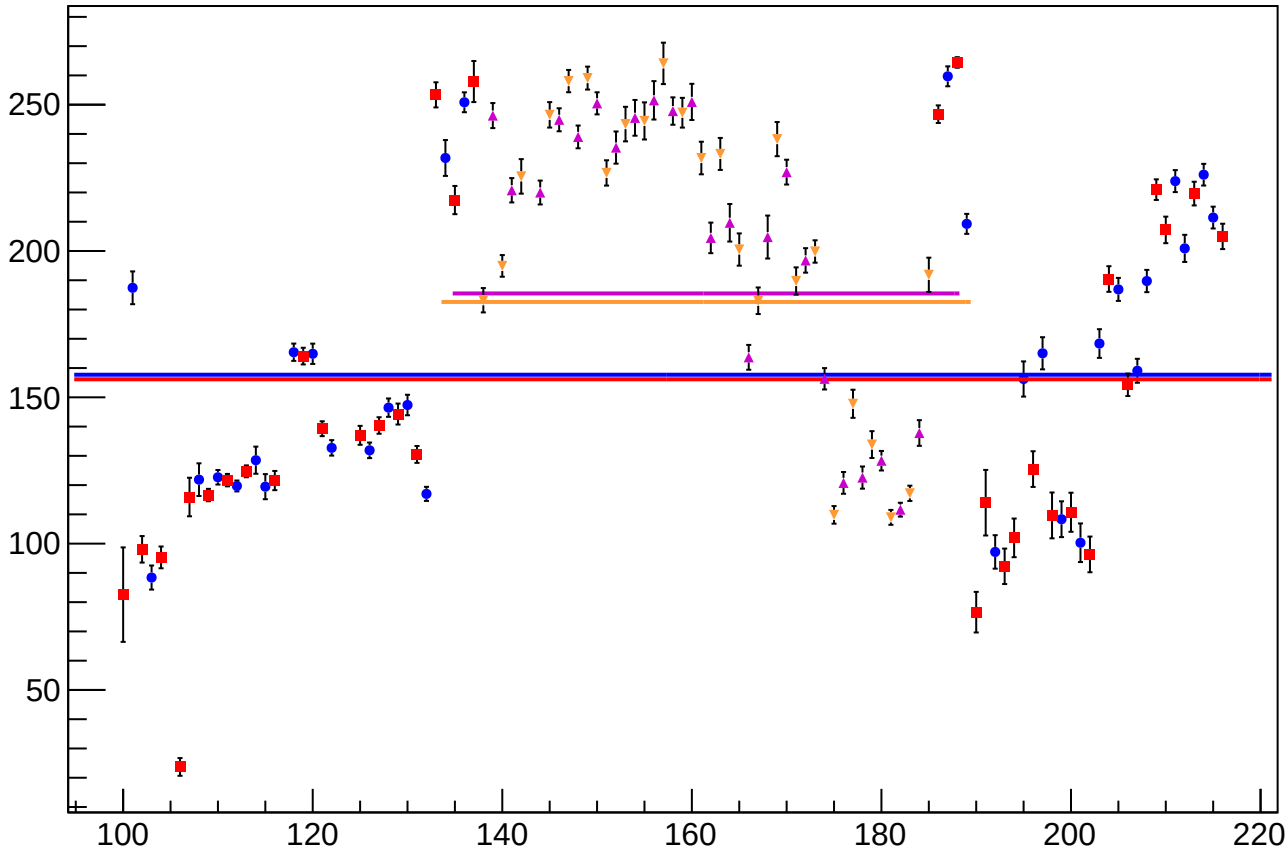
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -122.267+/-0.038 χ^2/NDF: 1265661.1/64

In: -147.455+/-0.037 χ^2/NDF:313951.4/53

Out: -133.325+/-0.034 χ^2/NDF:1586780.8/57

All: -139.965+/-0.025 χ^2/NDF: 1979916.5/11



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: 156.156+/-0.597 χ^2/NDF: 10371.6/33

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

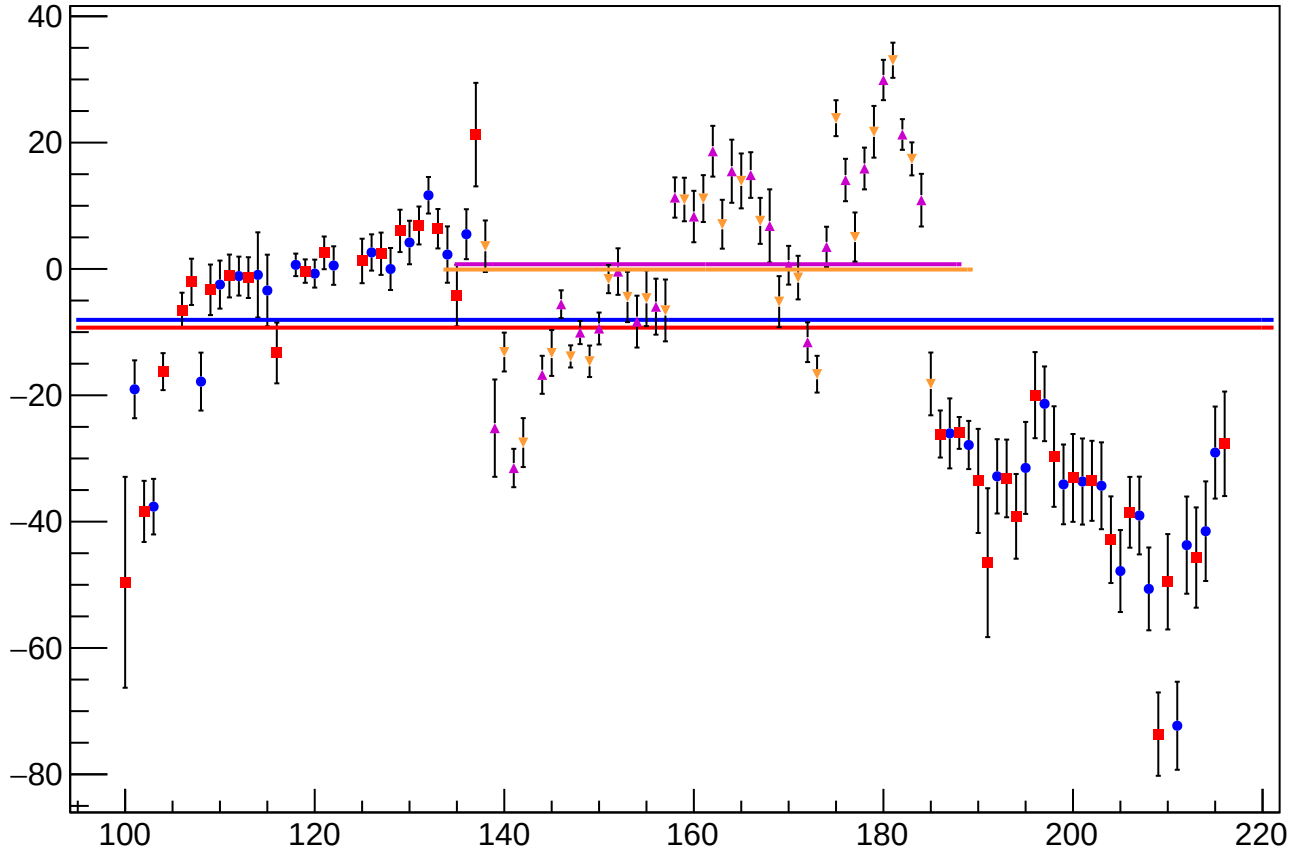
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 156.881+/-0.437 χ^2/NDF: 15315.2/64

In: 167.453+/-0.516 χ^2/NDF:9421.2/53

Out: 164.672+/-0.491 χ^2/NDF:15155.7/57

All: 165.994+/-0.356 χ^2/NDF: 24592.1/111



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: -9.289+/-0.684 χ^2/NDF: 576.7/33

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

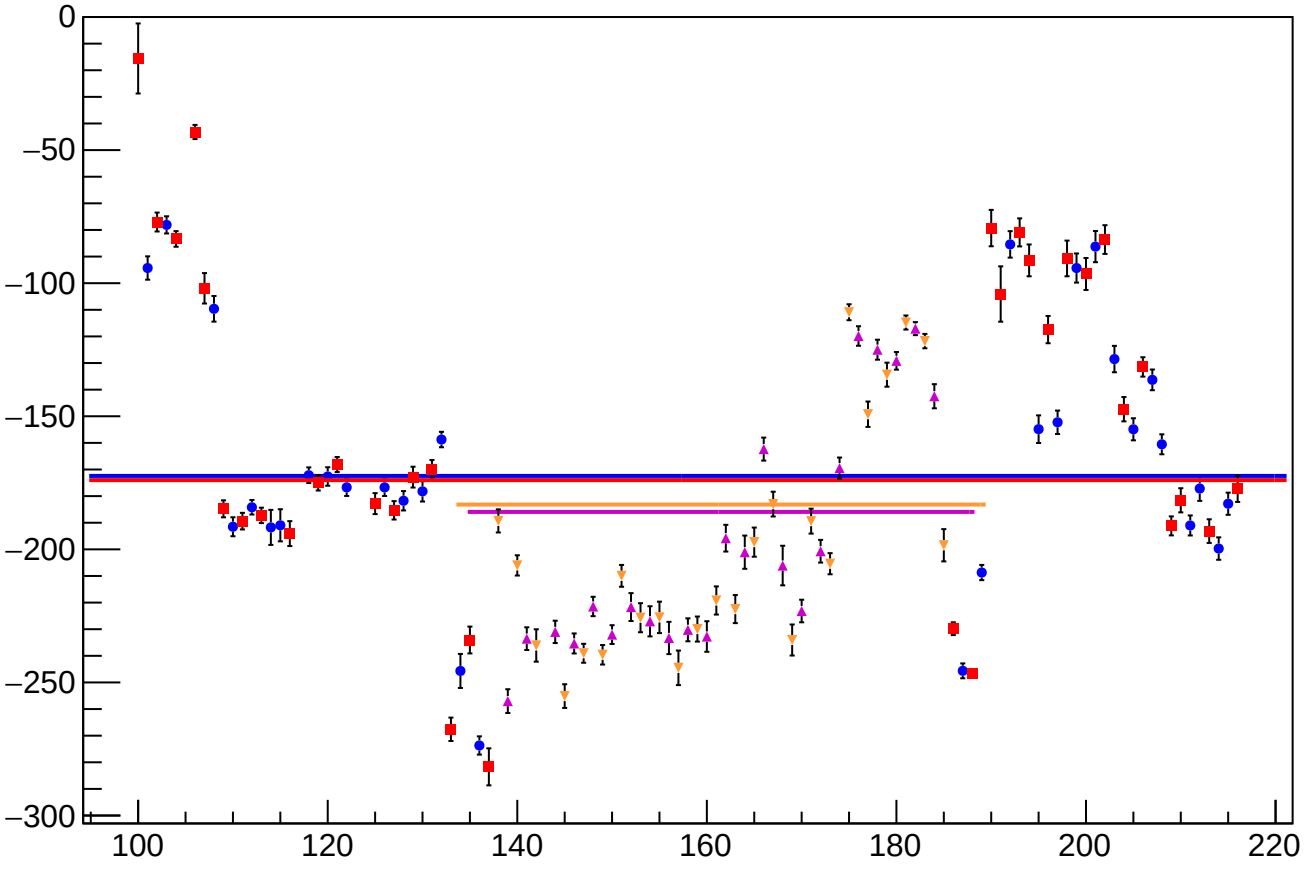
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -8.705+/-0.496 χ^2/NDF: 1135.6/64

In: -3.300+/-0.489 χ^2/NDF:1135.7/53

Out: -4.487+/-0.473 χ^2/NDF:1226.3/57

All: -3.913+/-0.340 χ^2/NDF: 2365.0/111



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: -173.987+/-0.620 χ^2/NDF: 10043.9/33

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

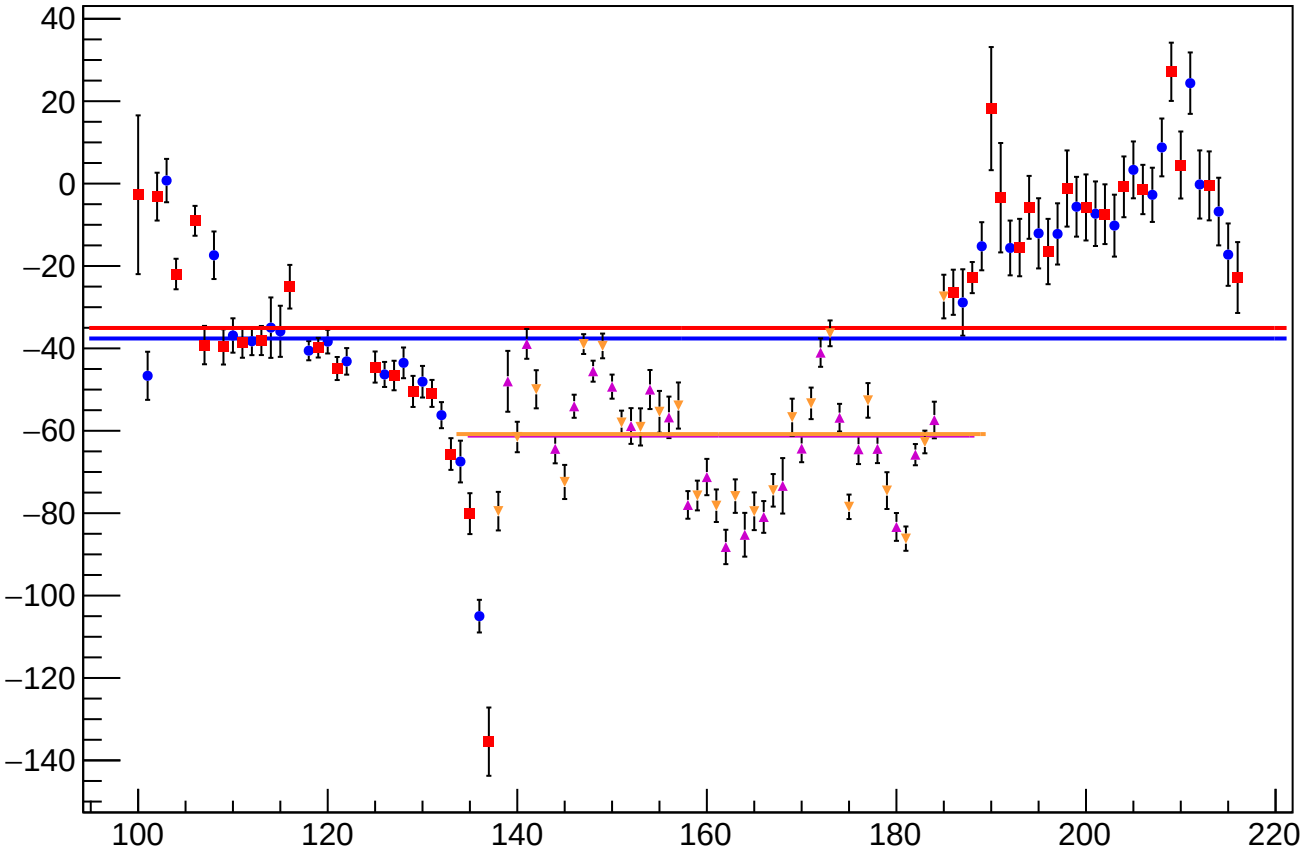
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.277+/-0.460 χ^2/NDF: 14360.7/64

In: -177.618+/-0.538 χ^2/NDF:7645.0/53

Out: -177.121+/-0.504 χ^2/NDF:13479.9/57

All: -177.353+/-0.368 χ^2/NDF: 21125.4/111



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: -35.045+/-0.808 χ^2/NDF: 743.7/33

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

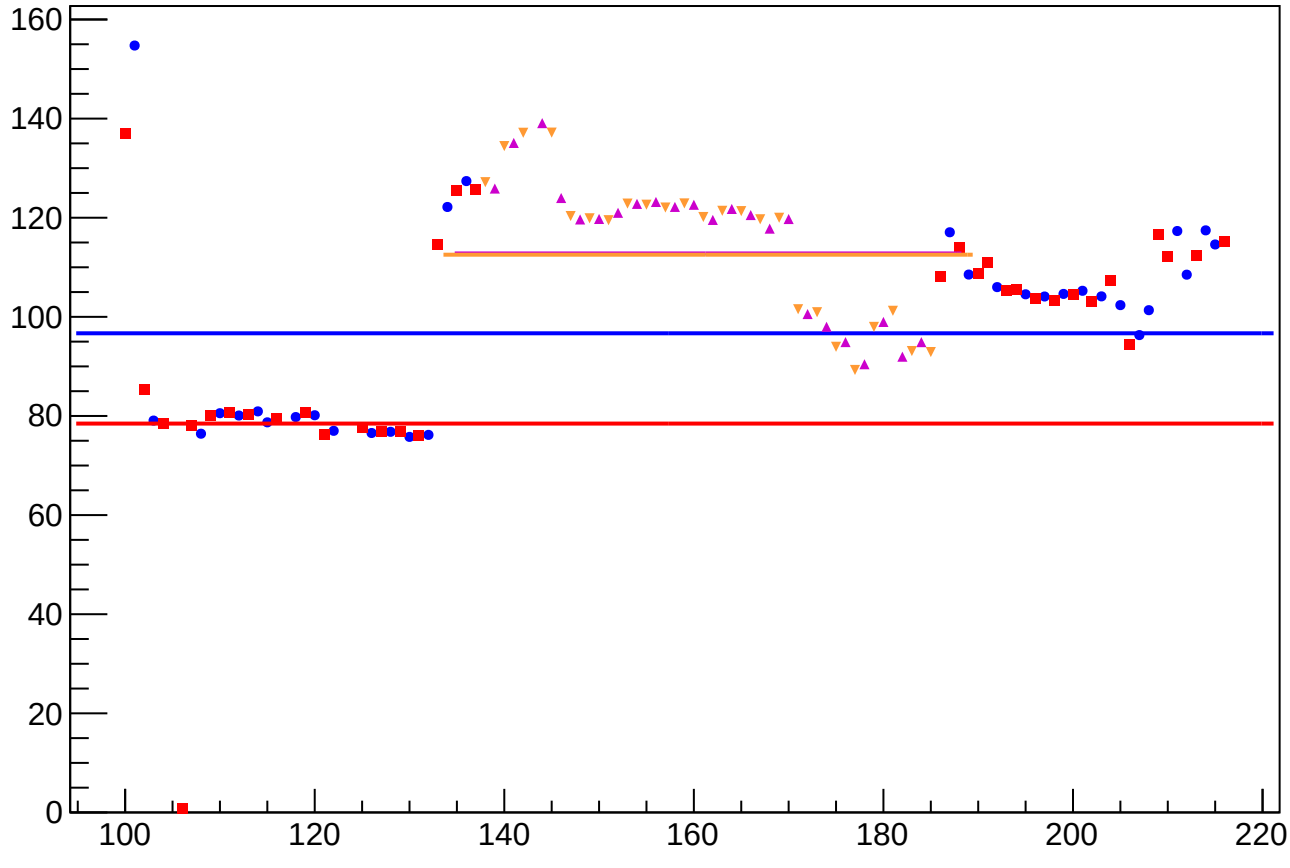
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -36.272+/-0.582 χ^2/NDF: 1511.0/64

In: -50.602+/-0.562 χ^2/NDF:1514.5/53

Out: -48.897+/-0.549 χ^2/NDF:1764.4/57

All: -49.730+/-0.393 χ^2/NDF: 3283.6/111



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: 78.464+/-0.040 χ^2/NDF: 918712.9/33

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

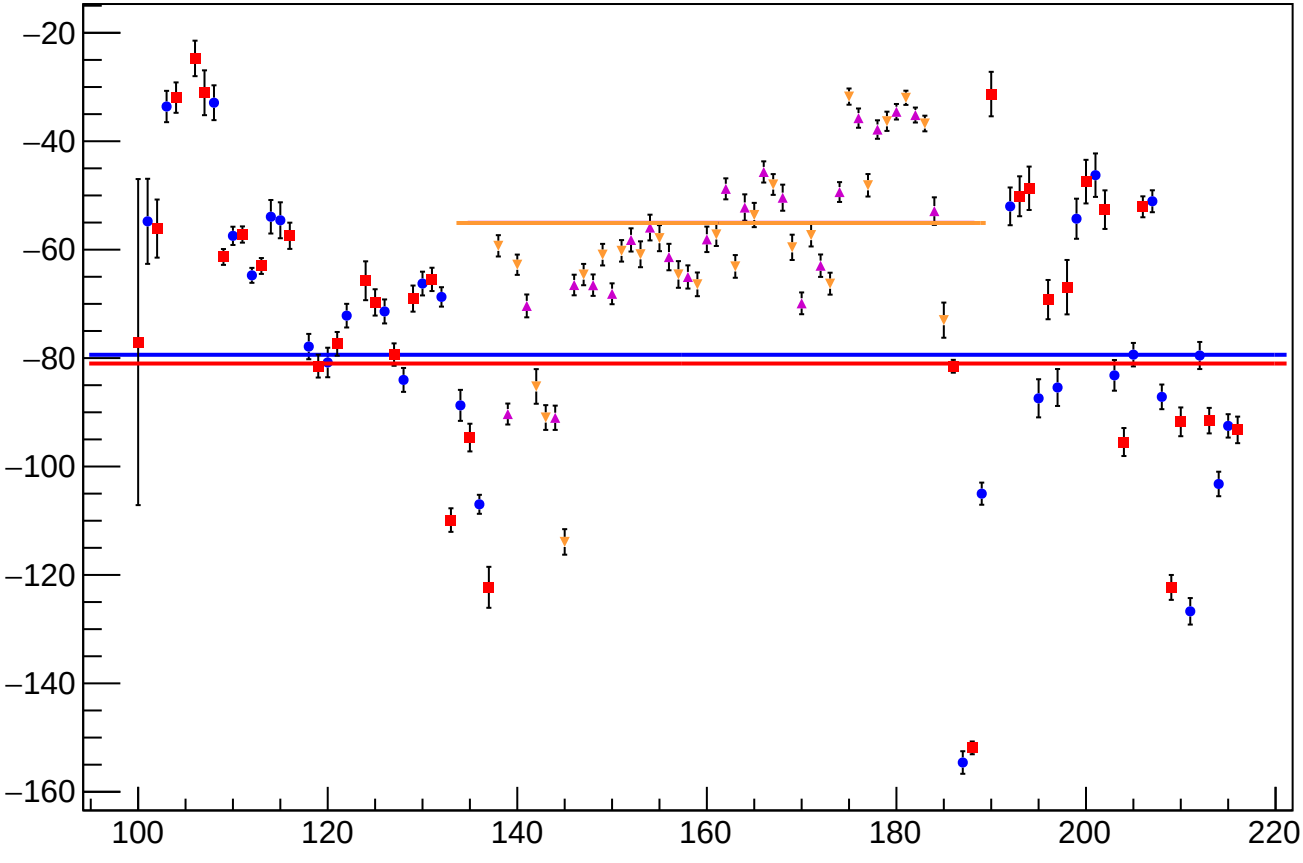
Right: 86.441+/-0.030 χ^2/NDF: 1201593.7/64

In: 106.906+/-0.027 χ^2/NDF:443924.4/53

Out: 97.980+/-0.026 χ^2/NDF:1508025.7/57

All: 102.234+/-0.019 χ^2/NDF: 2007386.4/11

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -81.004+/-0.390 χ^2/NDF: 6577.6/33

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

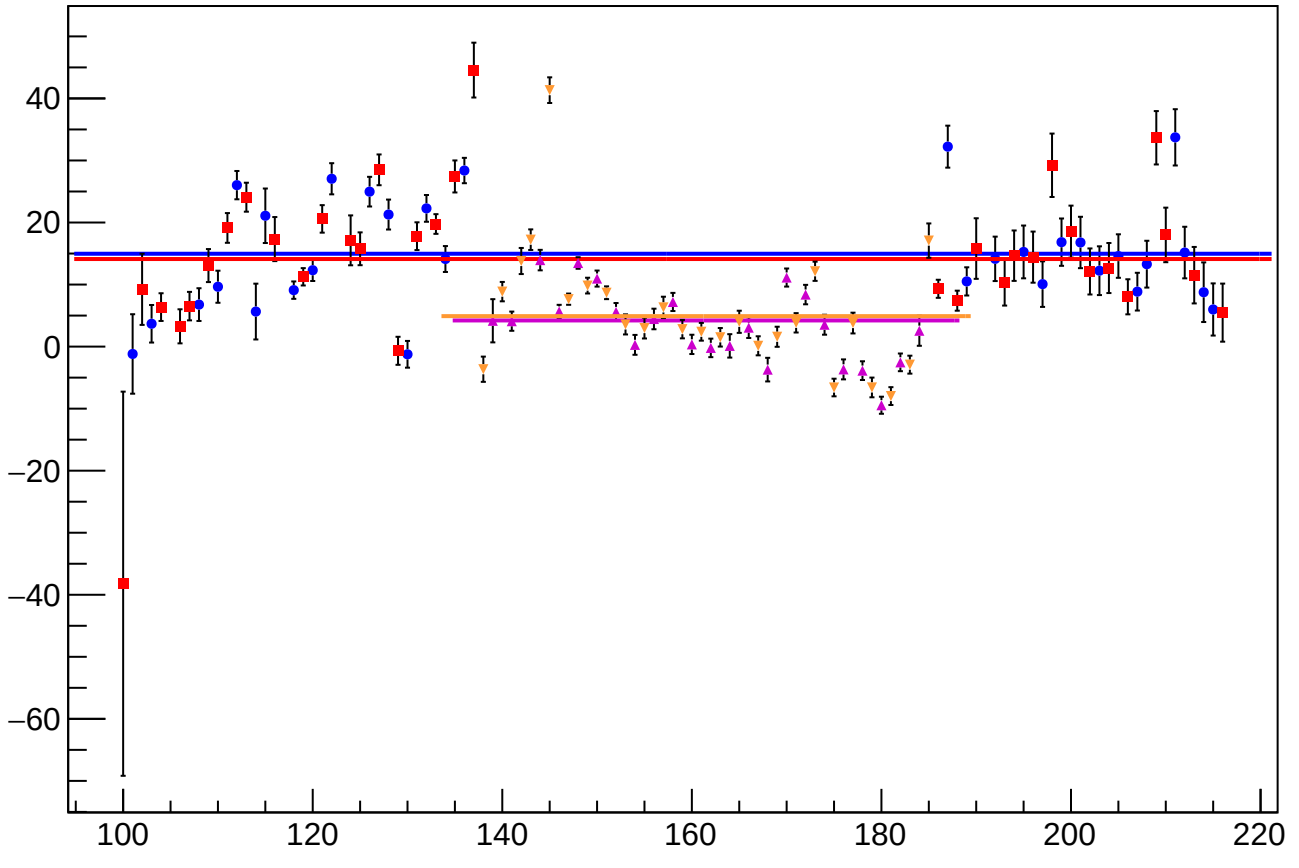
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -80.264+/-0.287 χ^2/NDF: 10200.5/64

In: -66.848+/-0.295 χ^2/NDF:6861.4/53

Out: -68.398+/-0.279 χ^2/NDF:10733.1/58

All: -67.664+/-0.203 χ^2/NDF: 17609.1/112



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: 14.115+/-0.454 χ^2/NDF: 314.7/33

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

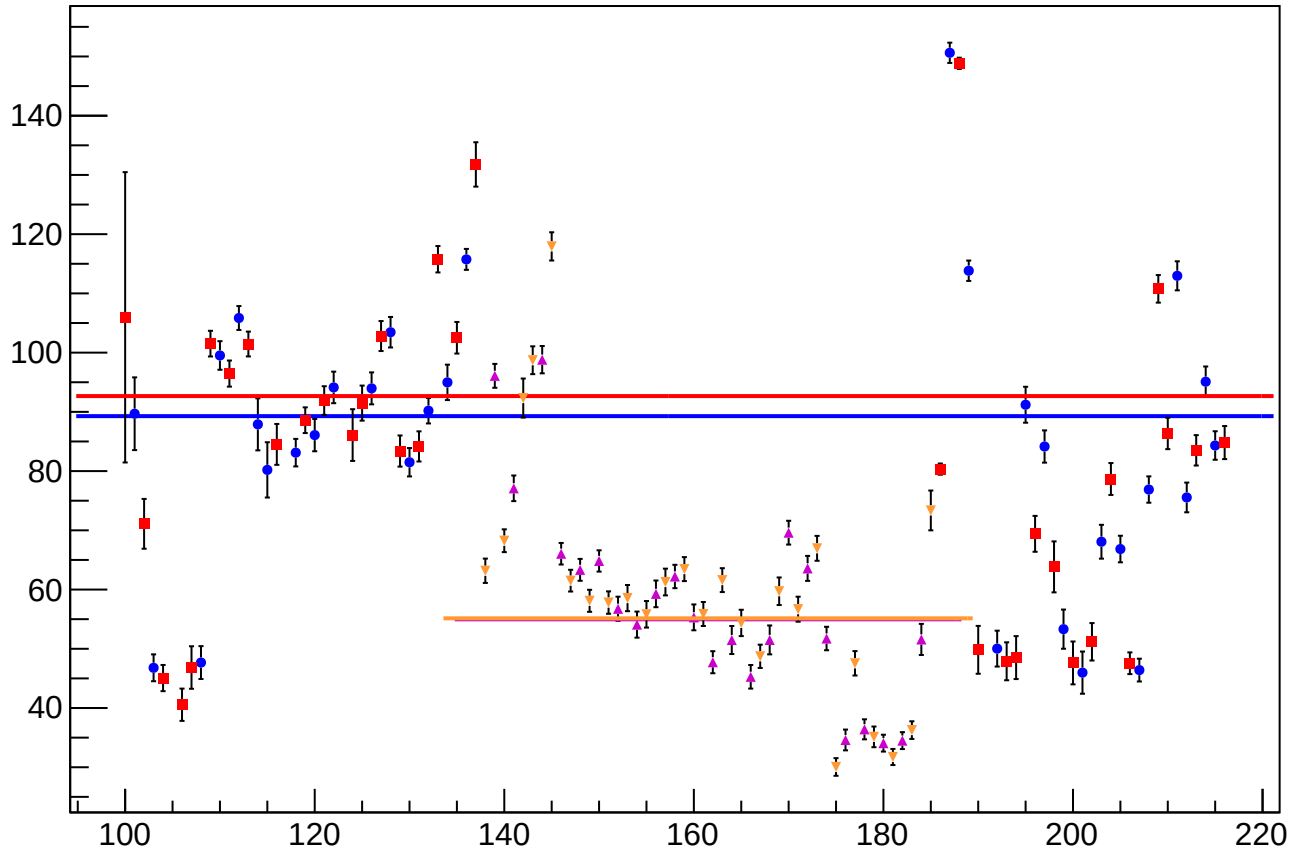
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.506+/-0.334 χ^2/NDF: 619.0/64

In: 7.292+/-0.264 χ^2/NDF:1056.8/53

Out: 7.726+/-0.251 χ^2/NDF:1341.6/58

All: 7.520+/-0.182 χ^2/NDF: 2399.9/112



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: 92.665+/-0.393 χ^2/NDF: 6619.7/33

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

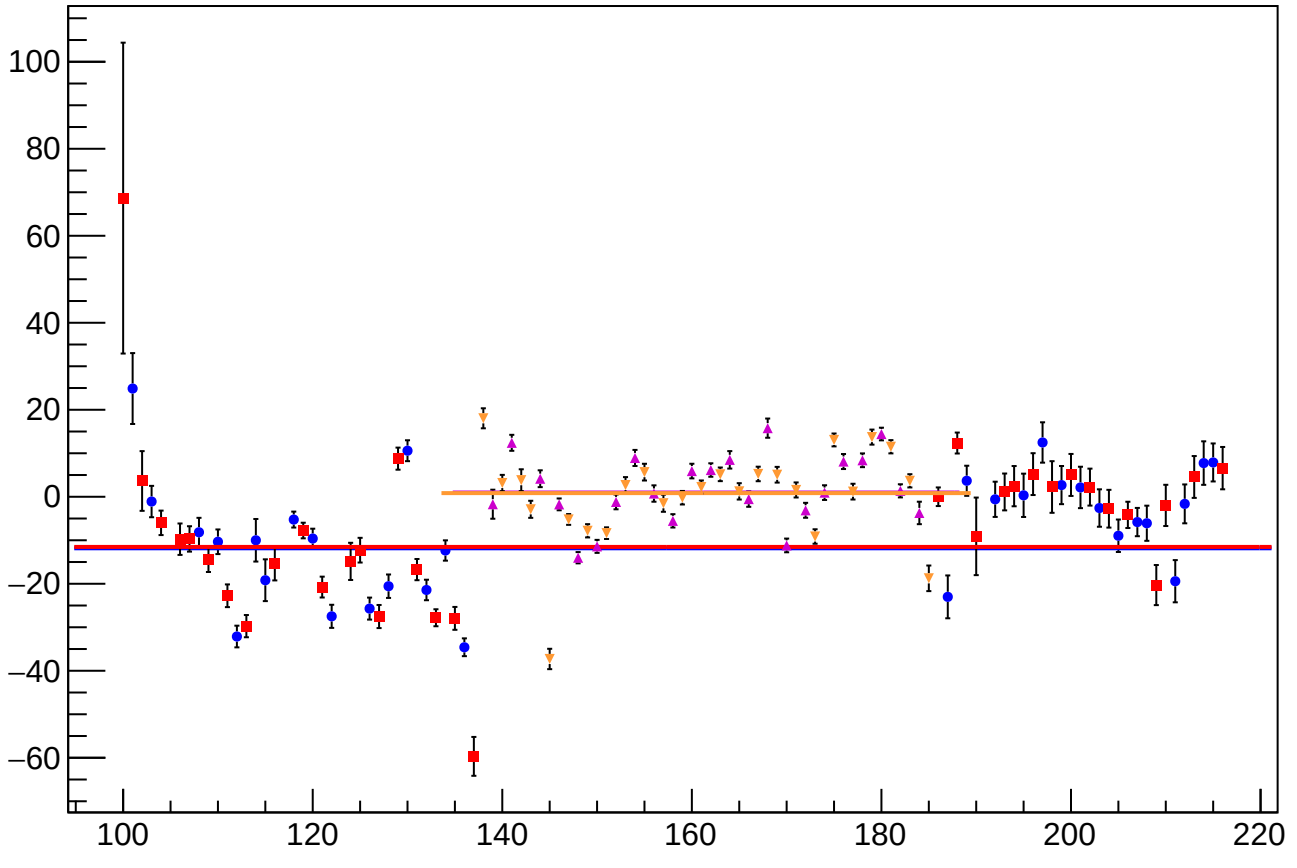
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 91.175+/-0.294 χ^2/NDF: 10345.2/64

In: 70.593+/-0.299 χ^2/NDF:8731.0/53

Out: 74.083+/-0.279 χ^2/NDF:13373.5/58

All: 72.458+/-0.204 χ^2/NDF: 22177.2/112



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: -11.530+/-0.540 χ^2/NDF: 663.1/33

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

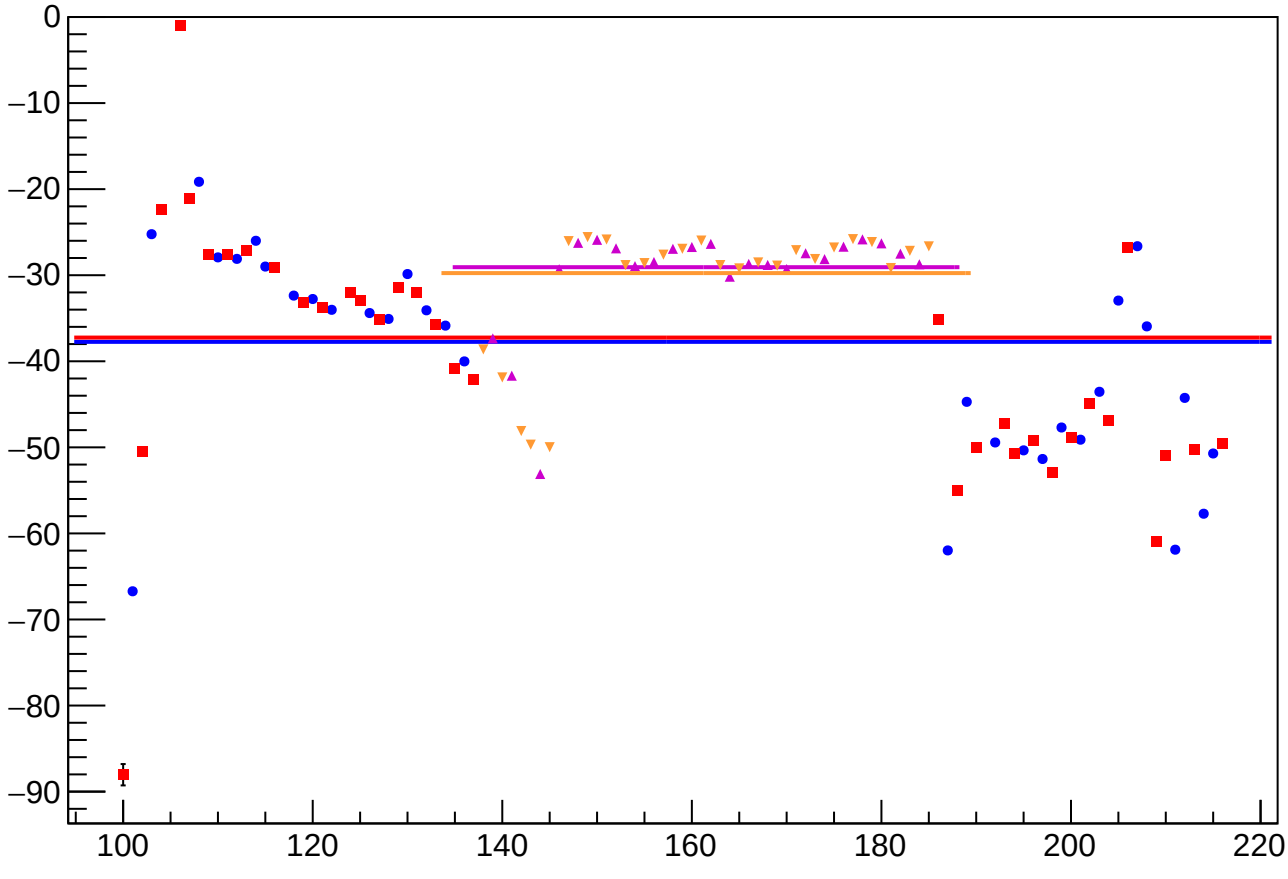
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -11.679+/-0.392 χ^2/NDF: 1219.3/64

In: -2.593+/-0.300 χ^2/NDF:1481.6/53

Out: -2.715+/-0.289 χ^2/NDF:1754.3/58

All: -2.656+/-0.208 χ^2/NDF: 3235.9/112



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: -37.245+/-0.028 χ^2/NDF: 234928.2/33

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

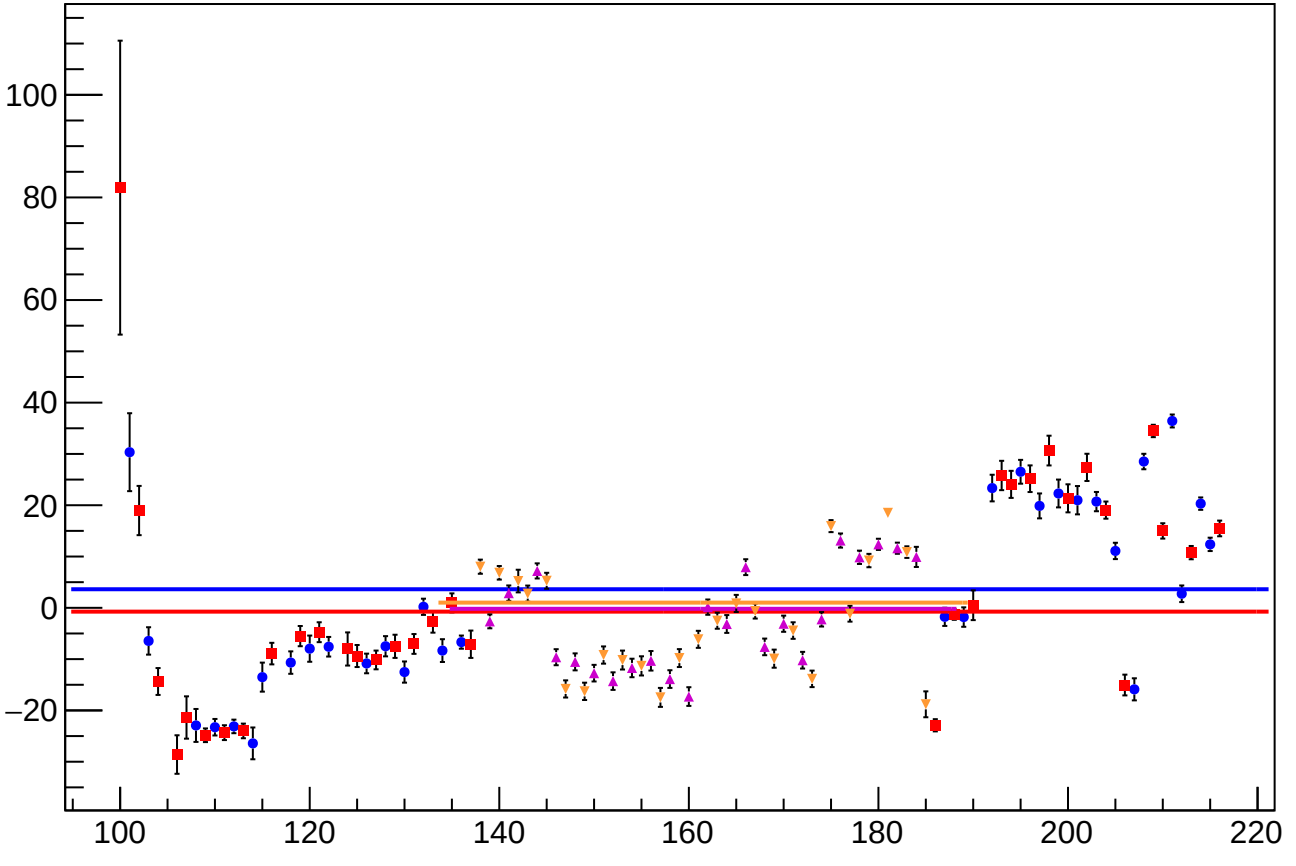
Right: -37.490+/-0.020 χ^2/NDF: 376329.4/64

In: -31.129+/-0.014 χ^2/NDF:314475.6/53

Out: -31.534+/-0.014 χ^2/NDF:453464.5/58

All: -31.334+/-0.010 χ^2/NDF: 768377.9/112

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -0.743+/-0.321 χ^2/NDF: 3349.2/33

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

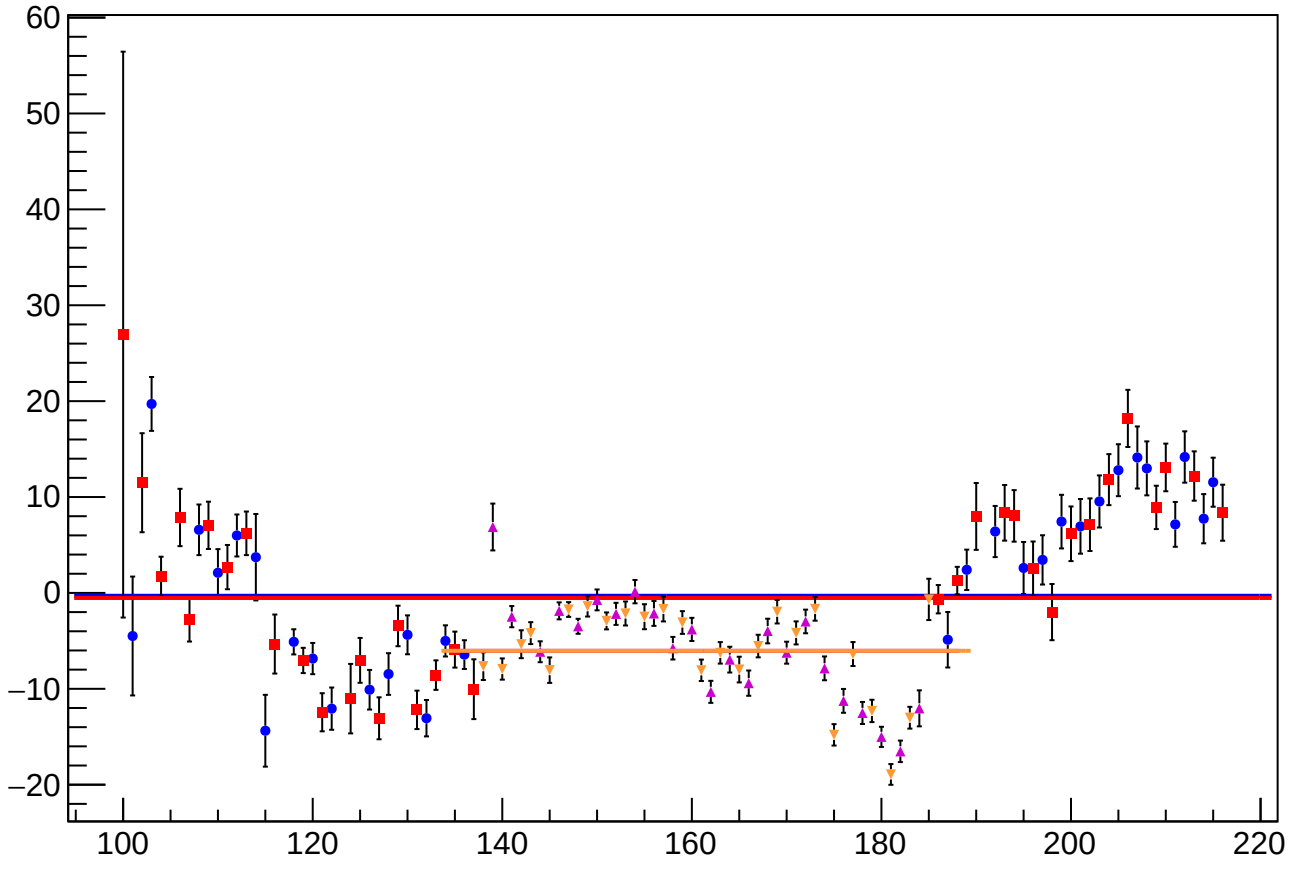
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: 1.363+/-0.231 χ^2/NDF: 6373.8/64

In: 1.608+/-0.229 χ^2/NDF:3987.6/53

Out: 0.182+/-0.221 χ^2/NDF:4700.0/58

All: 0.872+/-0.159 χ^2/NDF: 8707.8/112



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: -0.526+/-0.393 χ^2/NDF: 413.0/33

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

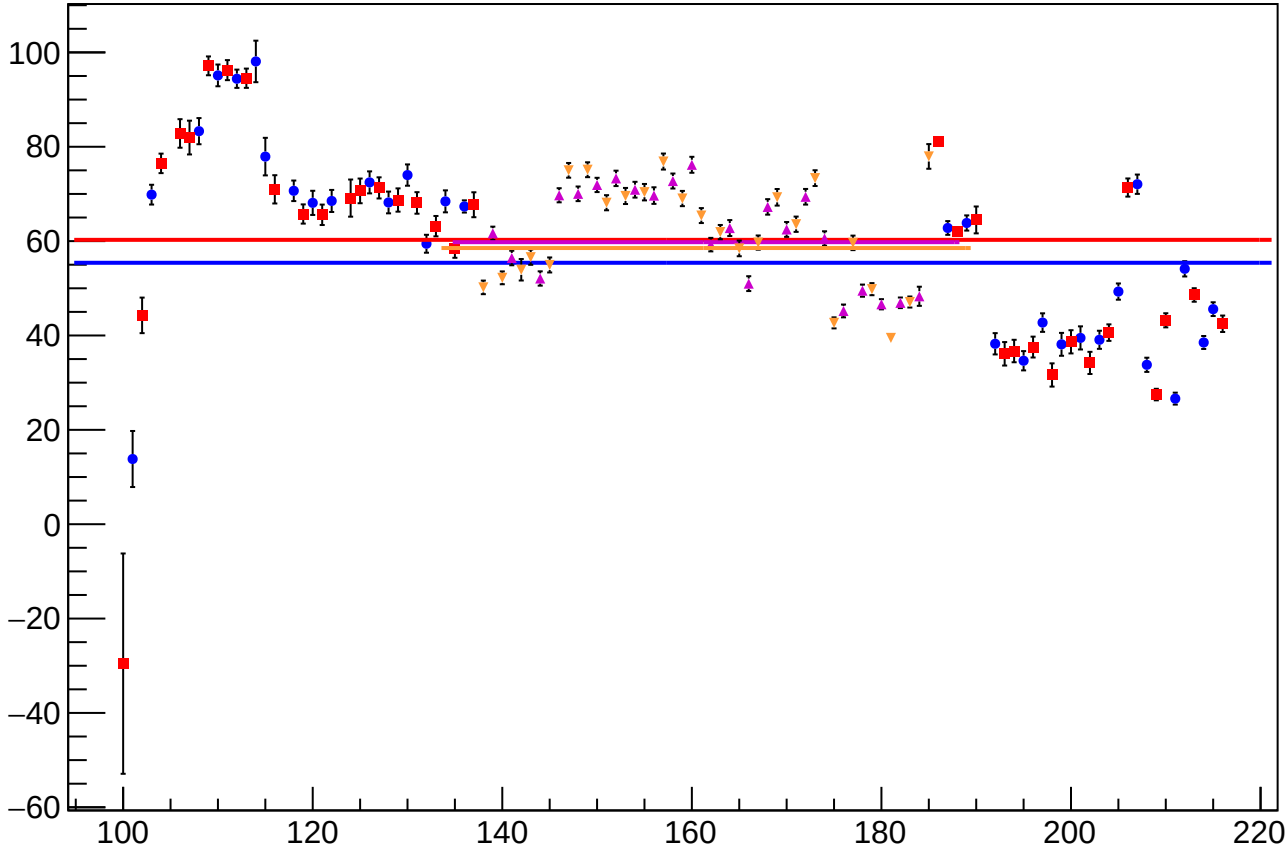
Right: -0.417+/-0.285 χ^2/NDF: 841.3/64

In: -4.563+/-0.209 χ^2/NDF:968.7/53

Out: -4.602+/-0.201 χ^2/NDF:973.1/58

All: -4.583+/-0.145 χ^2/NDF: 1941.8/112

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 60.269+/-0.325 χ^2/NDF: 3494.2/33

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

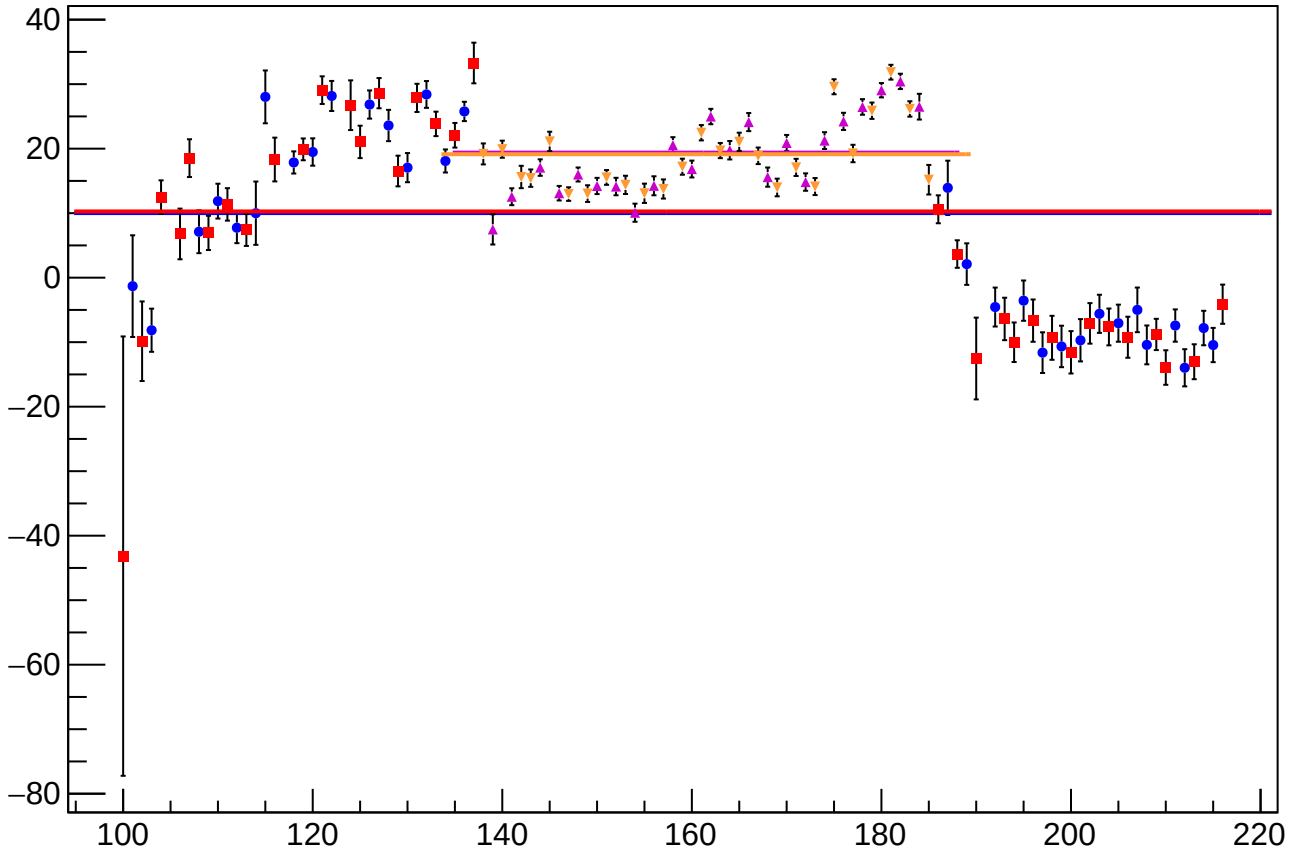
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 57.995+/-0.237 χ^2/NDF: 6424.4/64

In: 57.827+/-0.232 χ^2/NDF:3984.1/53

Out: 59.341+/-0.222 χ^2/NDF:4958.6/58

All: 58.617+/-0.160 χ^2/NDF: 8965.0/112



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: 10.266+/-0.460 χ^2/NDF: 996.6/33

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

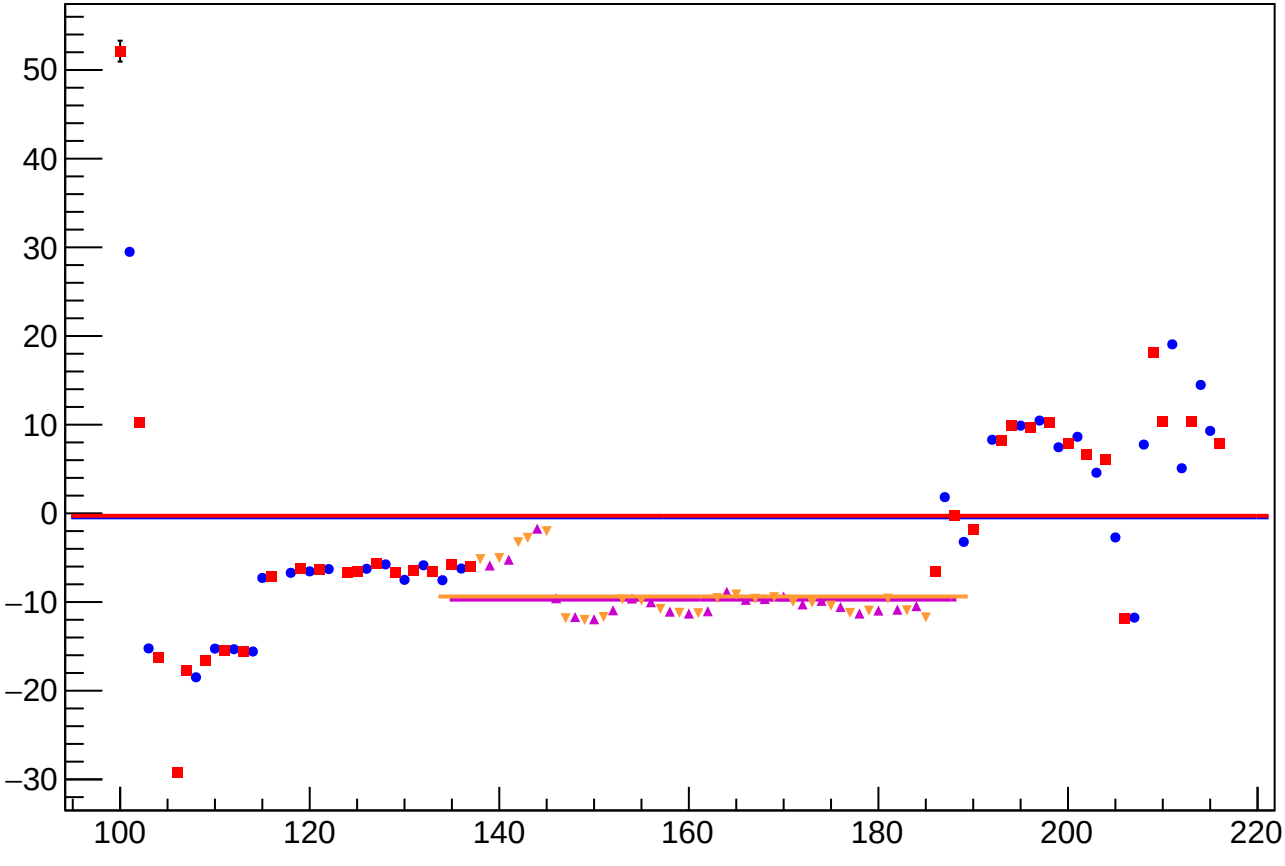
Right: 10.143+/-0.328 χ^2/NDF: 1984.3/64

In: 17.002+/-0.236 χ^2/NDF:1754.3/53

Out: 16.940+/-0.229 χ^2/NDF:1710.1/58

All: 16.970+/-0.164 χ^2/NDF: 3464.4/112

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: -0.275+/-0.022 χ^2/NDF: 241085.4/33

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

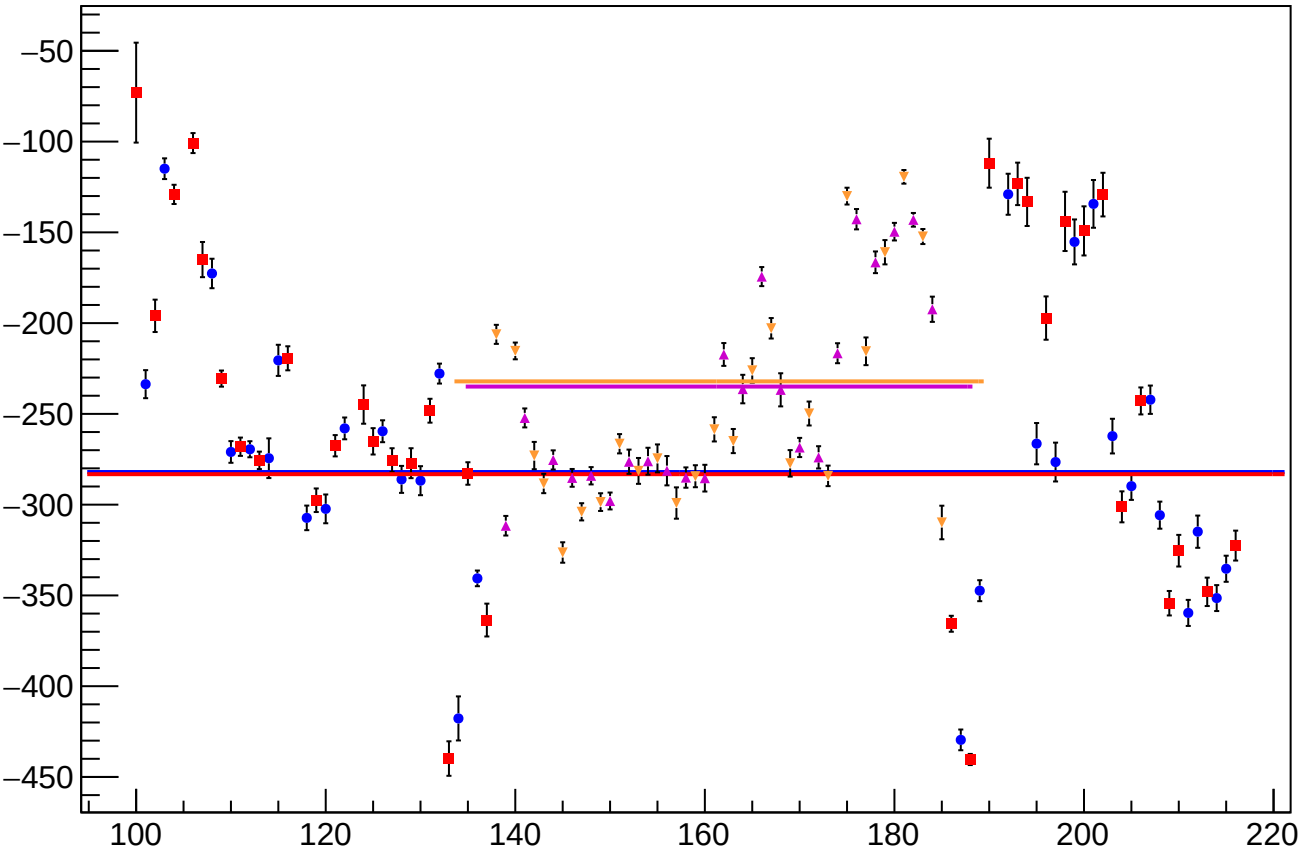
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -0.360+/-0.016 χ^2/NDF: 452290.9/64

In: -7.600+/-0.011 χ^2/NDF:377598.9/53

Out: -7.367+/-0.010 χ^2/NDF:420419.6/58

All: -7.482+/-0.007 χ^2/NDF: 798262.0/112



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: -283.207+/-1.164 χ^2/NDF: 7004.9/33

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

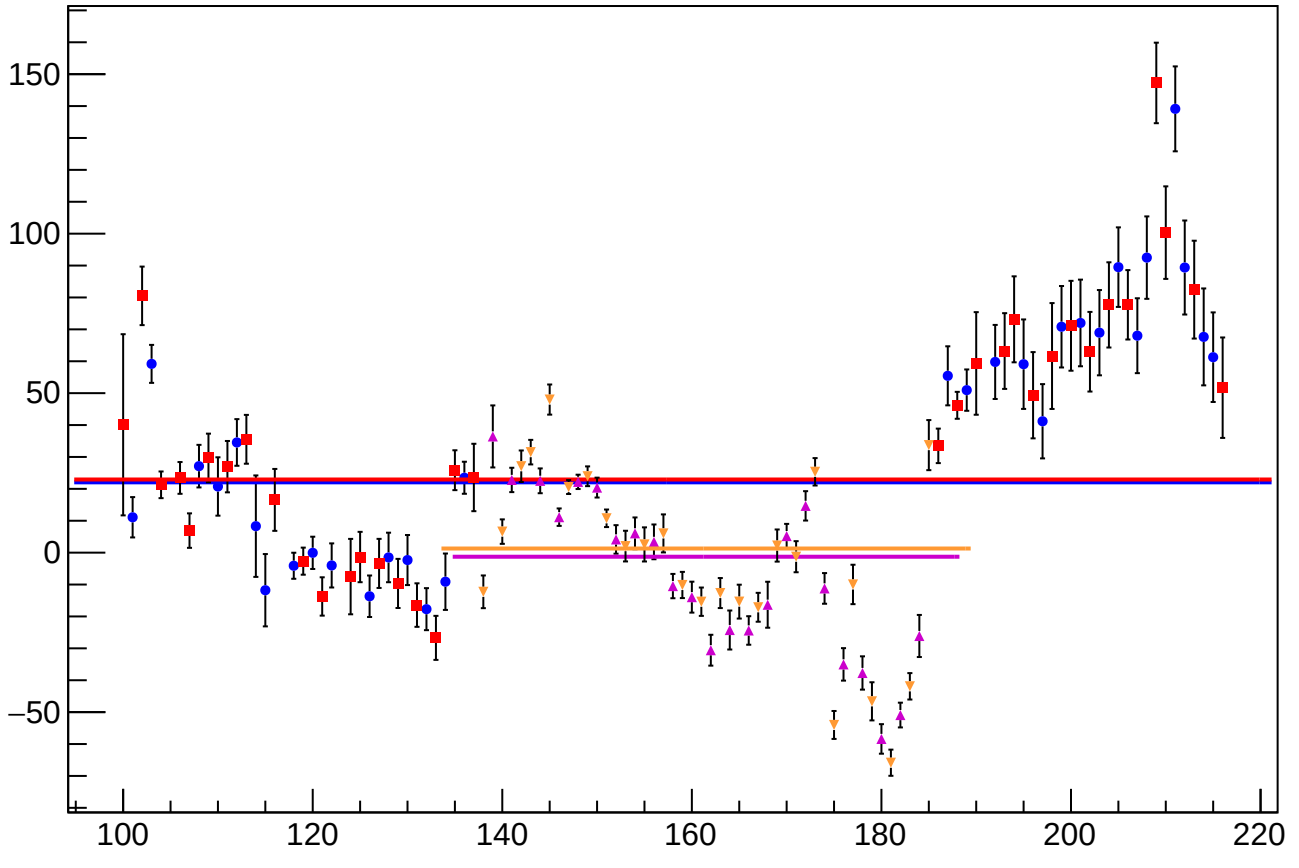
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -282.673+/-0.859 χ^2/NDF: 10138.3/64

In: -256.586+/-0.864 χ^2/NDF:6340.0/53

Out: -257.194+/-0.815 χ^2/NDF:11257.0/58

All: -256.908+/-0.593 χ^2/NDF: 17597.3/112



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: 22.931+/-1.310 χ^2/NDF: 539.4/33

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

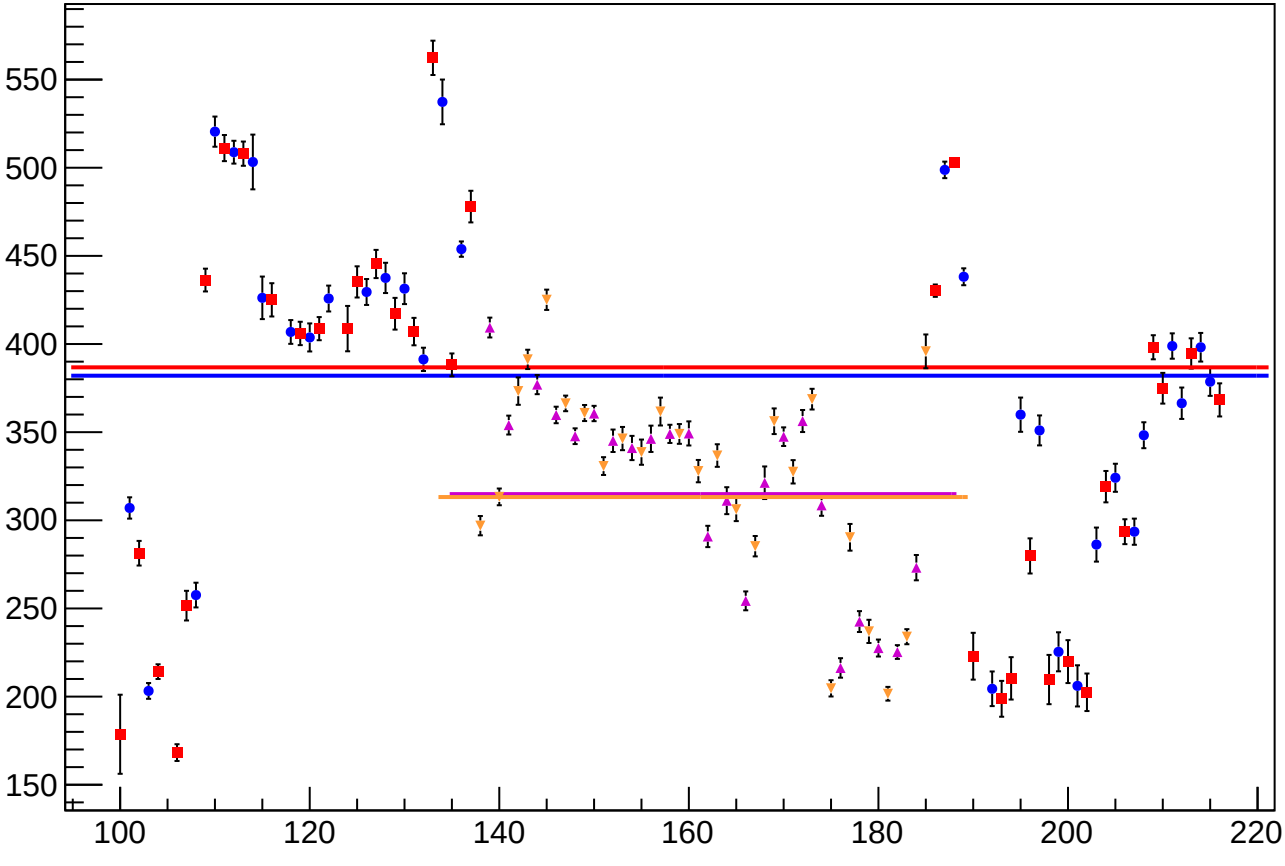
Right: 22.529+/-0.969 χ^2/NDF: 1049.9/64

In: 4.940+/-0.744 χ^2/NDF:1513.7/53

Out: 7.568+/-0.705 χ^2/NDF:1782.7/58

All: 6.325+/-0.512 χ^2/NDF: 3302.9/112

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: 386.769+/-1.146 χ^2/NDF: 9705.1/33

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

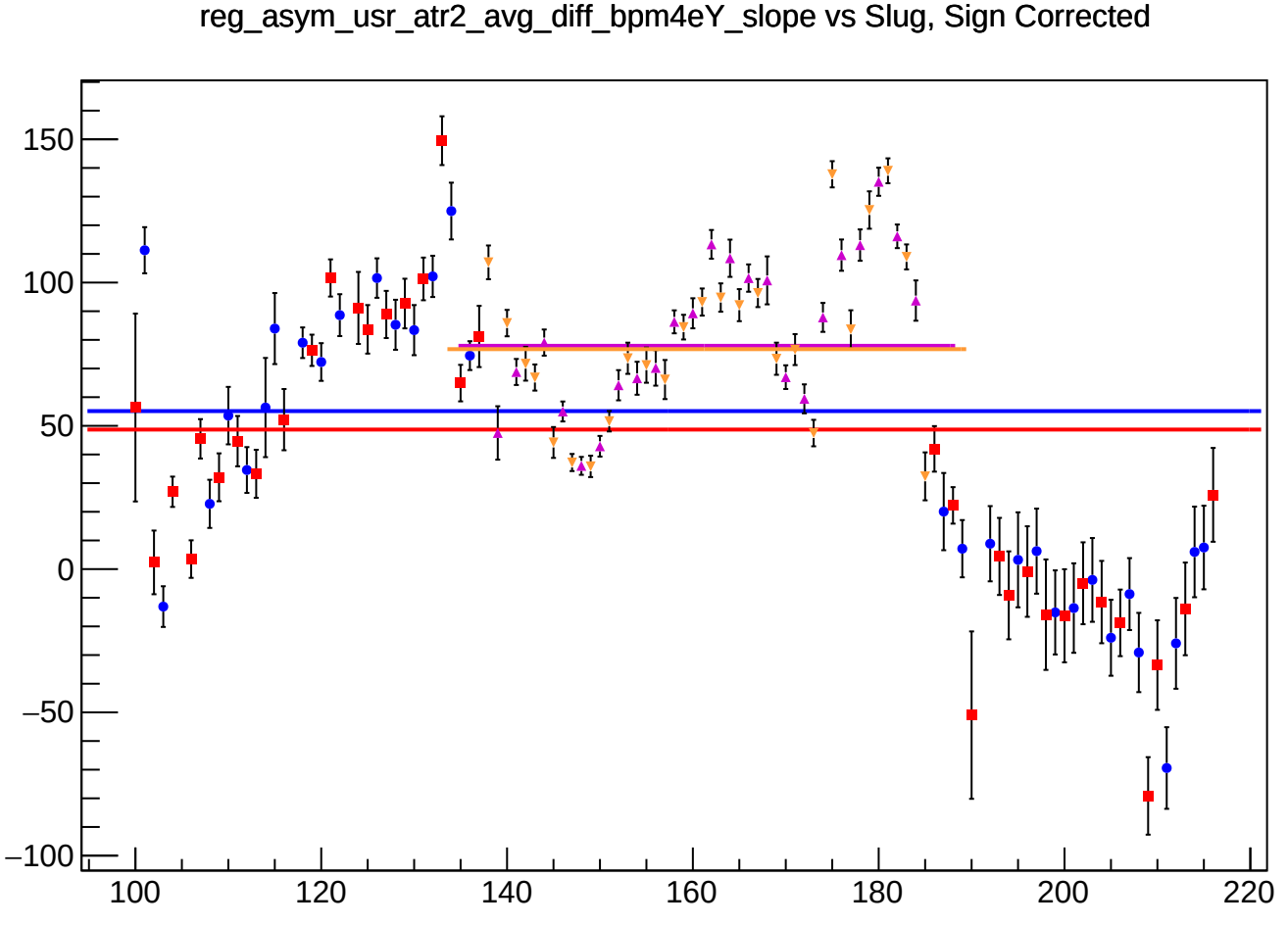
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.691+/-0.859 χ^2/NDF: 14946.4/64

In: 344.753+/-0.865 χ^2/NDF:9151.3/53

Out: 349.579+/-0.806 χ^2/NDF:14922.4/58

All: 347.336+/-0.590 χ^2/NDF: 24090.4/112



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: 48.697+/-1.568 χ^2/NDF: 756.9/33

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

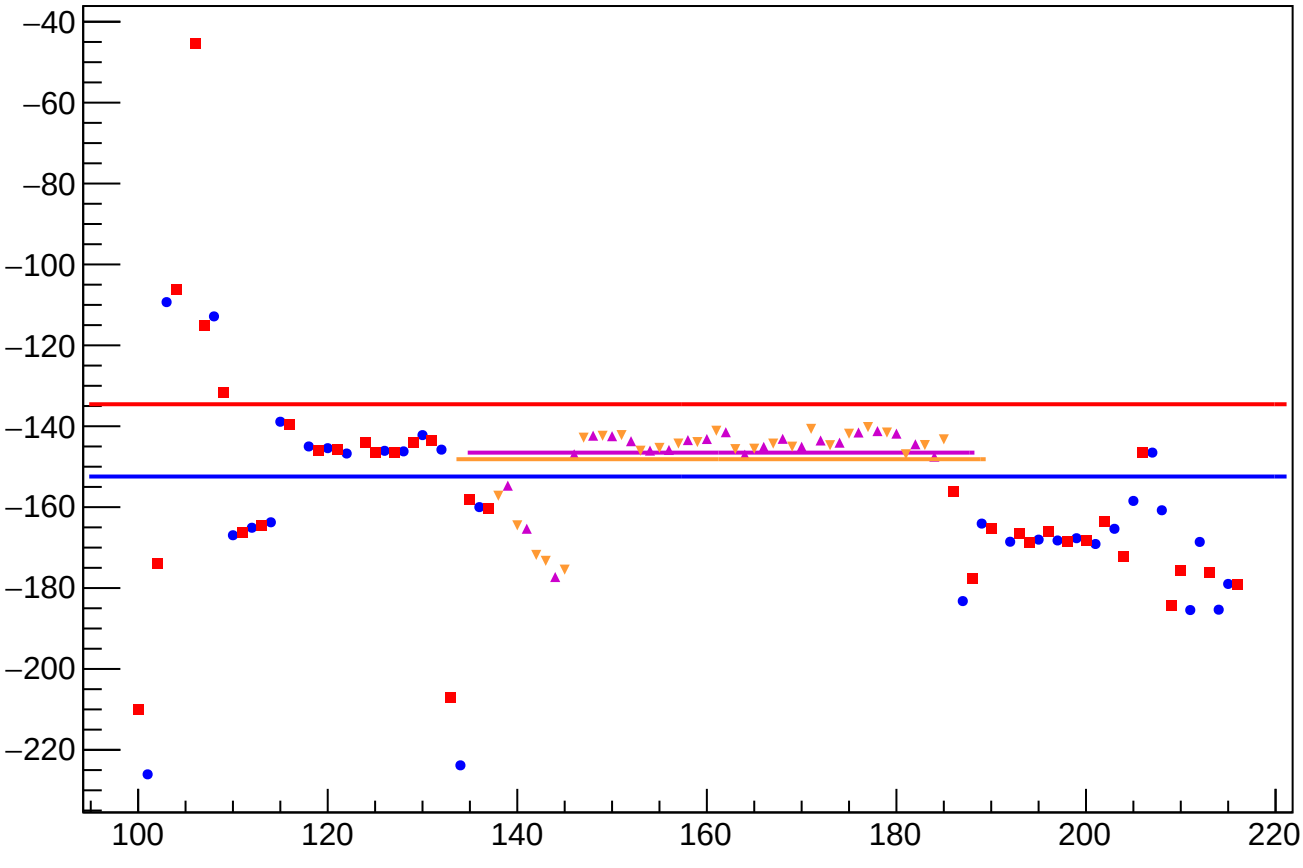
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 51.706+/-1.145 χ^2/NDF: 1498.2/64

In: 71.975+/-0.857 χ^2/NDF:1653.6/53

Out: 69.032+/-0.823 χ^2/NDF:2024.3/58

All: 70.444+/-0.594 χ^2/NDF: 3684.0/112



Right In: -152.427+/-0.080 χ^2/NDF: 152413.7/30

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -134.561+/-0.074 χ^2/NDF: 363391.5/33

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

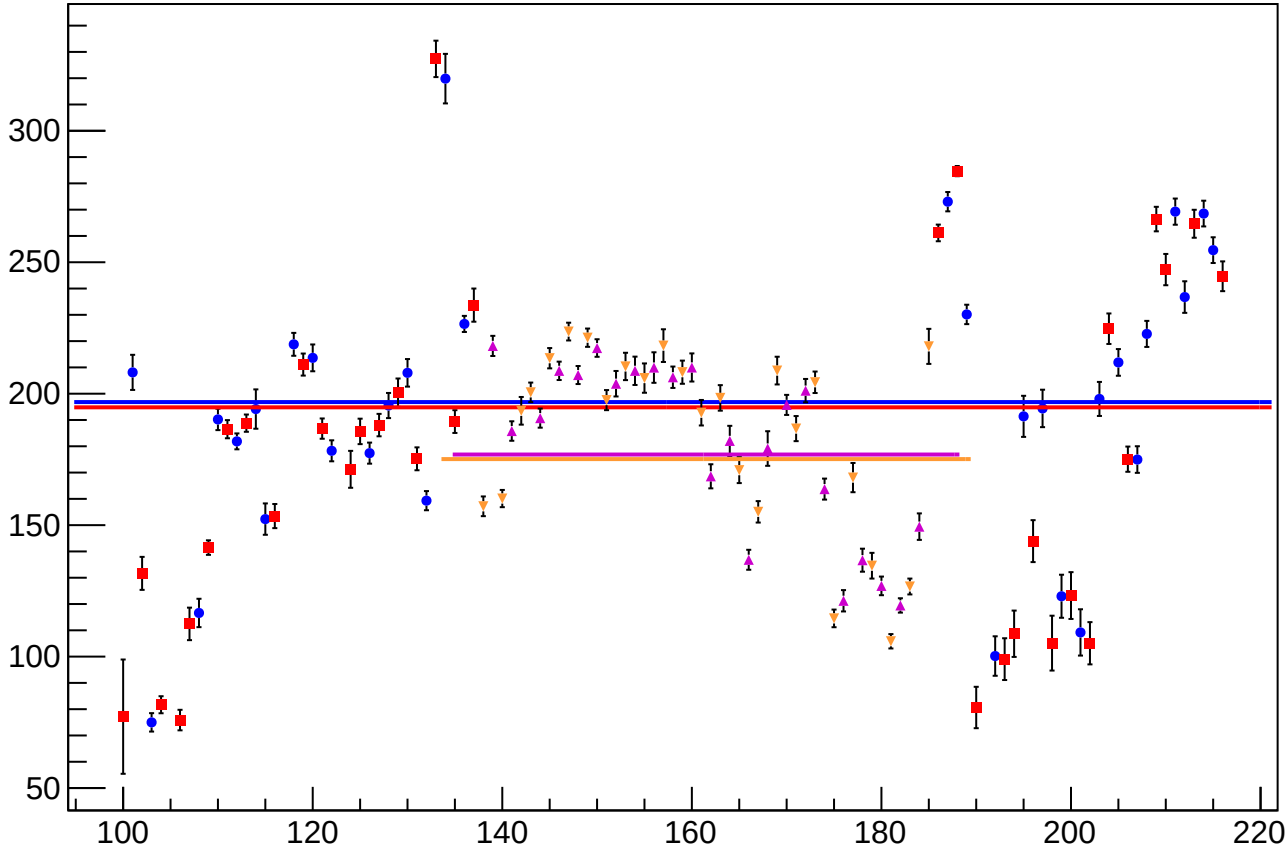
Right: -142.767+/-0.055 χ^2/NDF: 542479.5/64

In: -147.956+/-0.040 χ^2/NDF:185666.1/53

Out: -144.479+/-0.039 χ^2/NDF:436821.7/58

All: -146.168+/-0.028 χ^2/NDF: 626444.9/112

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 194.813+/-0.772 χ^2/NDF: 7338.6/33

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

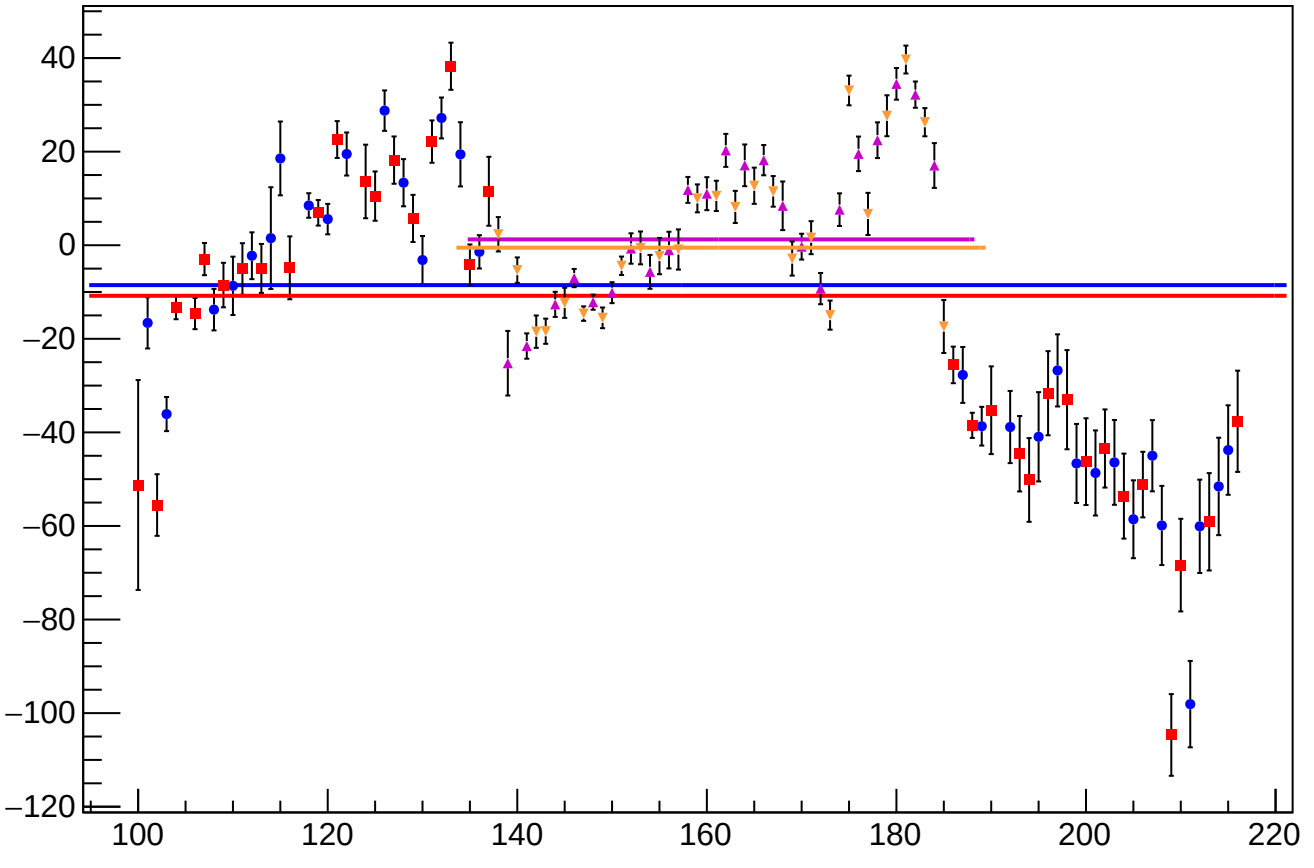
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 195.710+/-0.573 χ^2/NDF: 10837.9/64

In: 186.739+/-0.602 χ^2/NDF:5527.1/53

Out: 185.583+/-0.563 χ^2/NDF:9938.5/58

All: 186.122+/-0.411 χ^2/NDF: 15467.5/112



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: -10.806+/-0.864 χ^2/NDF: 839.6/33

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

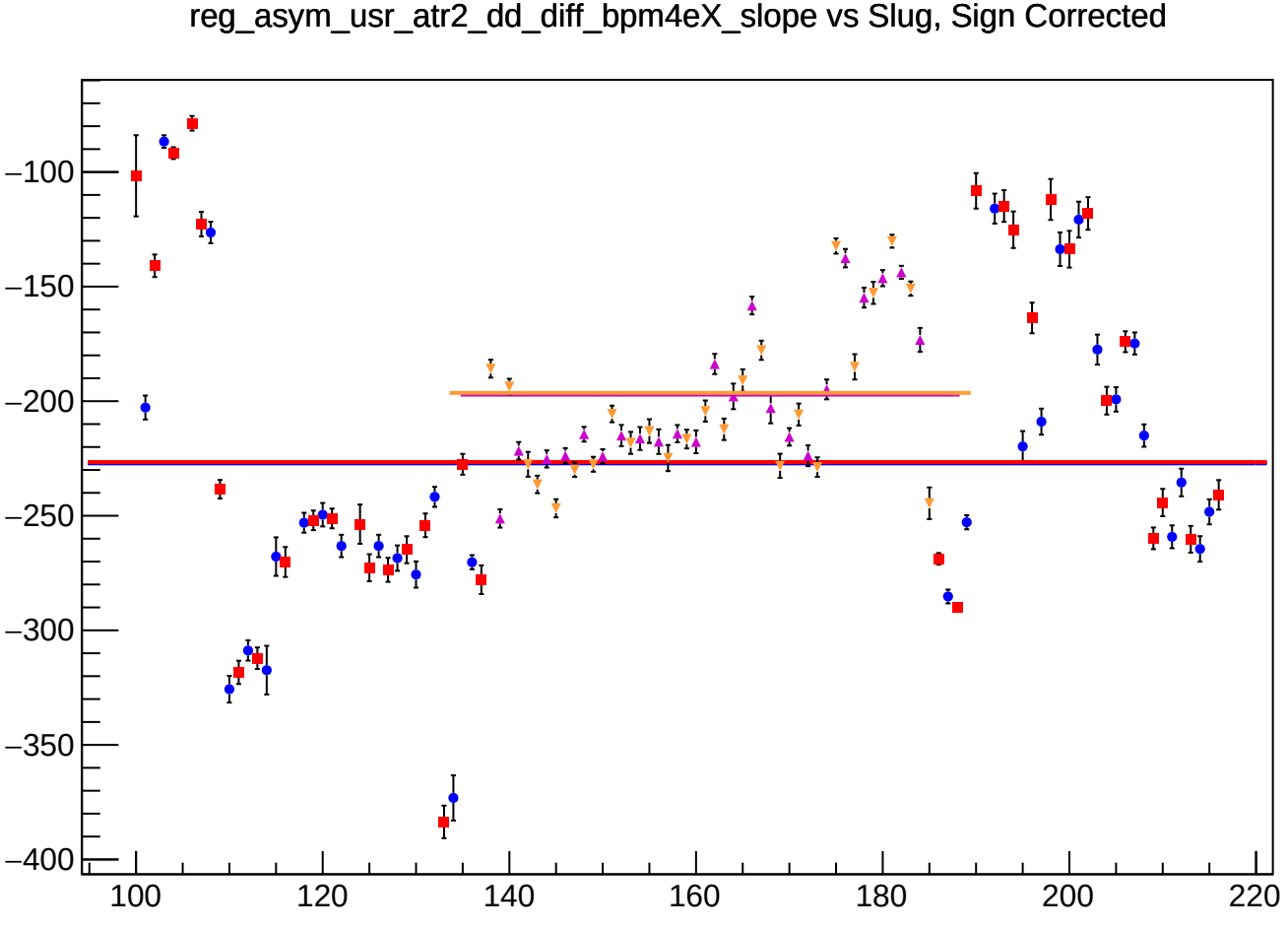
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -9.791+/-0.643 χ^2/NDF: 1598.1/64

In: -1.652+/-0.525 χ^2/NDF:1448.3/53

Out: -3.875+/-0.493 χ^2/NDF:1659.6/58

All: -2.832+/-0.359 χ^2/NDF: 3117.4/112



Right In: -227.122+/-0.867 χ^2/NDF: 5941.9/30

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.550+/-0.757 χ^2/NDF: 10656.4/33

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

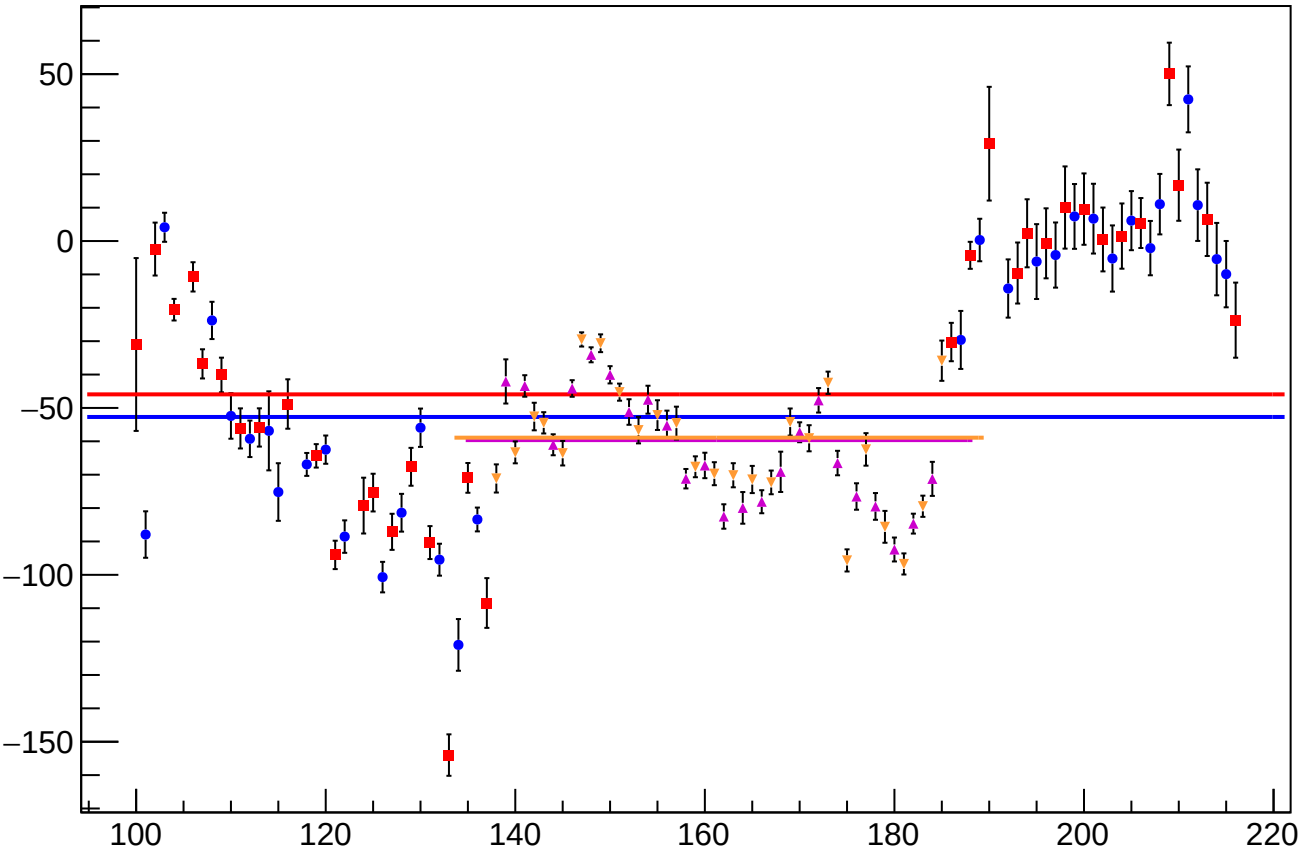
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -226.798+/-0.571 χ^2/NDF: 16598.5/64

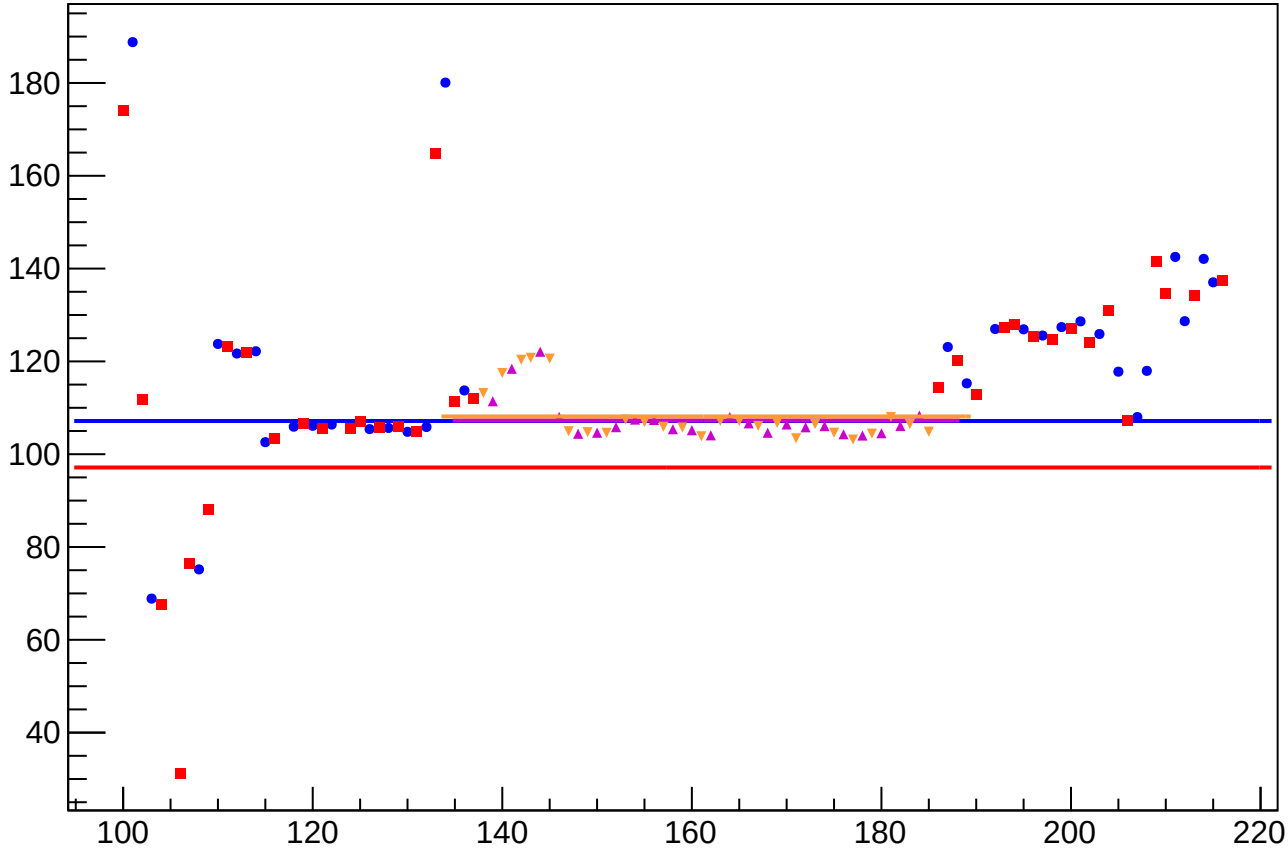
In: -211.587+/-0.602 χ^2/NDF:8162.7/53

Out: -212.581+/-0.555 χ^2/NDF:13388.6/58

All: -212.125+/-0.408 χ^2/NDF: 21552.8/112


reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: -52.707+/-1.126 χ²/NDF: 1204.9/30
Left Out: -58.910+/-0.695 χ²/NDF:782.5/24
Right Out: -45.935+/-1.037 χ²/NDF: 1422.8/33
Left In: -59.637+/-0.718 χ²/NDF:597.0/22
Left: -59.261+/-0.499 χ²/NDF: 1380.0/47
Right: -49.044+/-0.763 χ²/NDF: 2647.3/64
In: -57.632+/-0.605 χ²/NDF:1828.9/53
Out: -54.890+/-0.577 χ²/NDF:2313.3/58
All: -56.195+/-0.418 χ²/NDF: 4152.9/112

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: 97.139+/-0.050 χ^2/NDF: 412939.6/33

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

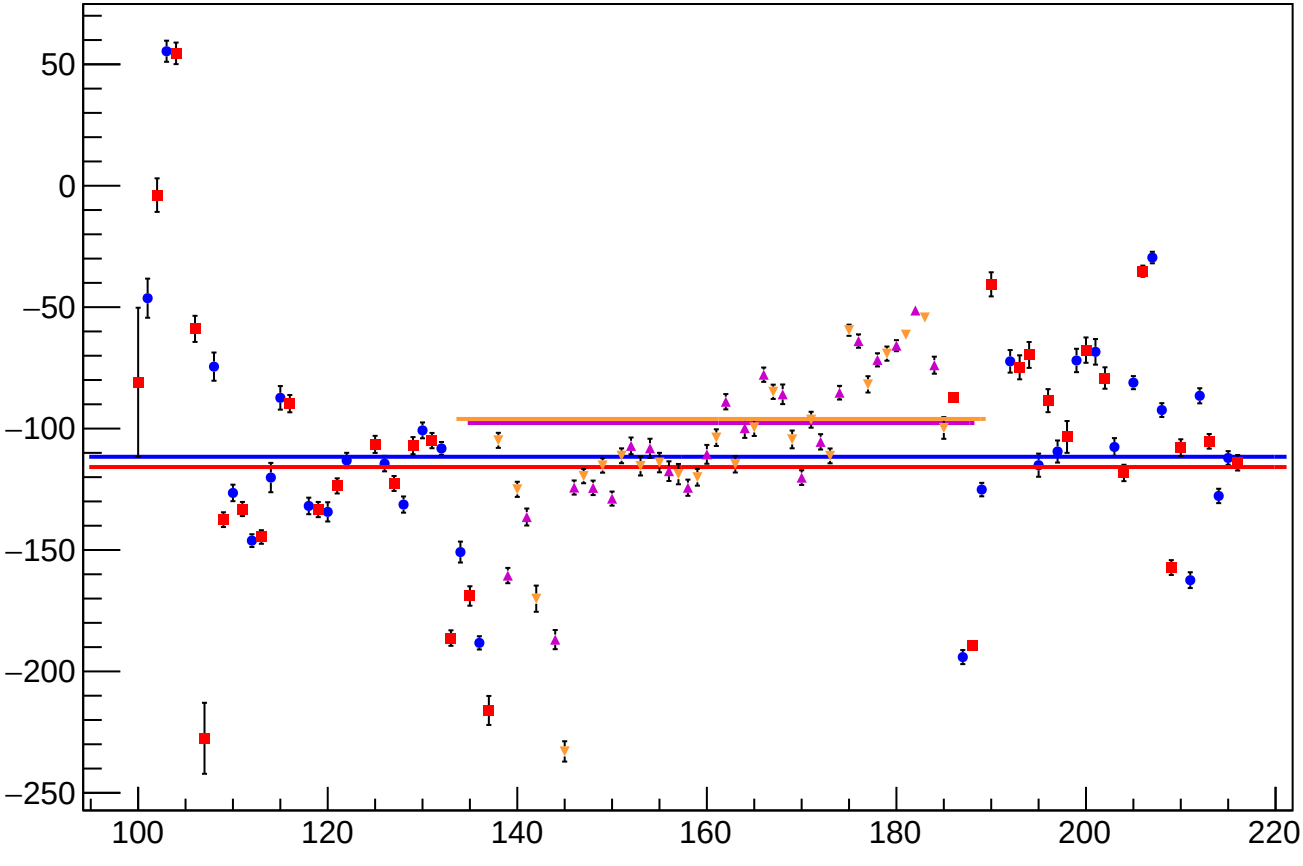
Right: 101.789+/-0.037 χ^2/NDF: 720234.6/64

In: 107.236+/-0.028 χ^2/NDF:305562.7/53

Out: 104.878+/-0.027 χ^2/NDF:473377.1/58

All: 106.023+/-0.020 χ^2/NDF: 782583.1/112

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -111.611+/-0.611 χ^2/NDF: 5531.5/30

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -115.837+/-0.577 χ^2/NDF: 7516.0/32

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

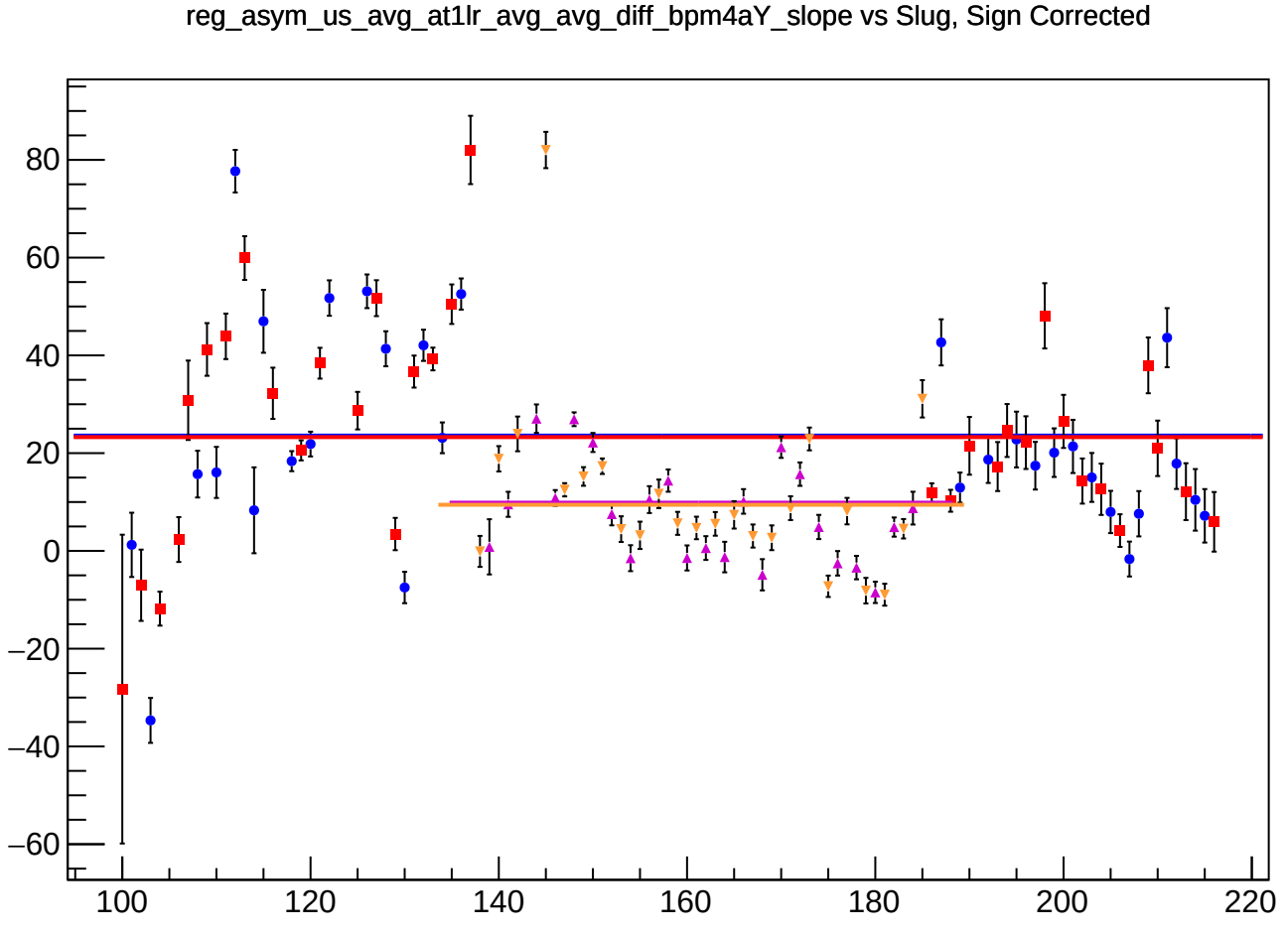
Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

Right: -113.844+/-0.420 χ^2/NDF: 13072.8/63

In: -104.969+/-0.441 χ^2/NDF:8419.7/53

Out: -106.872+/-0.427 χ^2/NDF:10820.1/56

All: -105.952+/-0.307 χ^2/NDF: 19249.4/110



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: 23.277+/-0.676 χ^2/NDF: 687.9/32

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

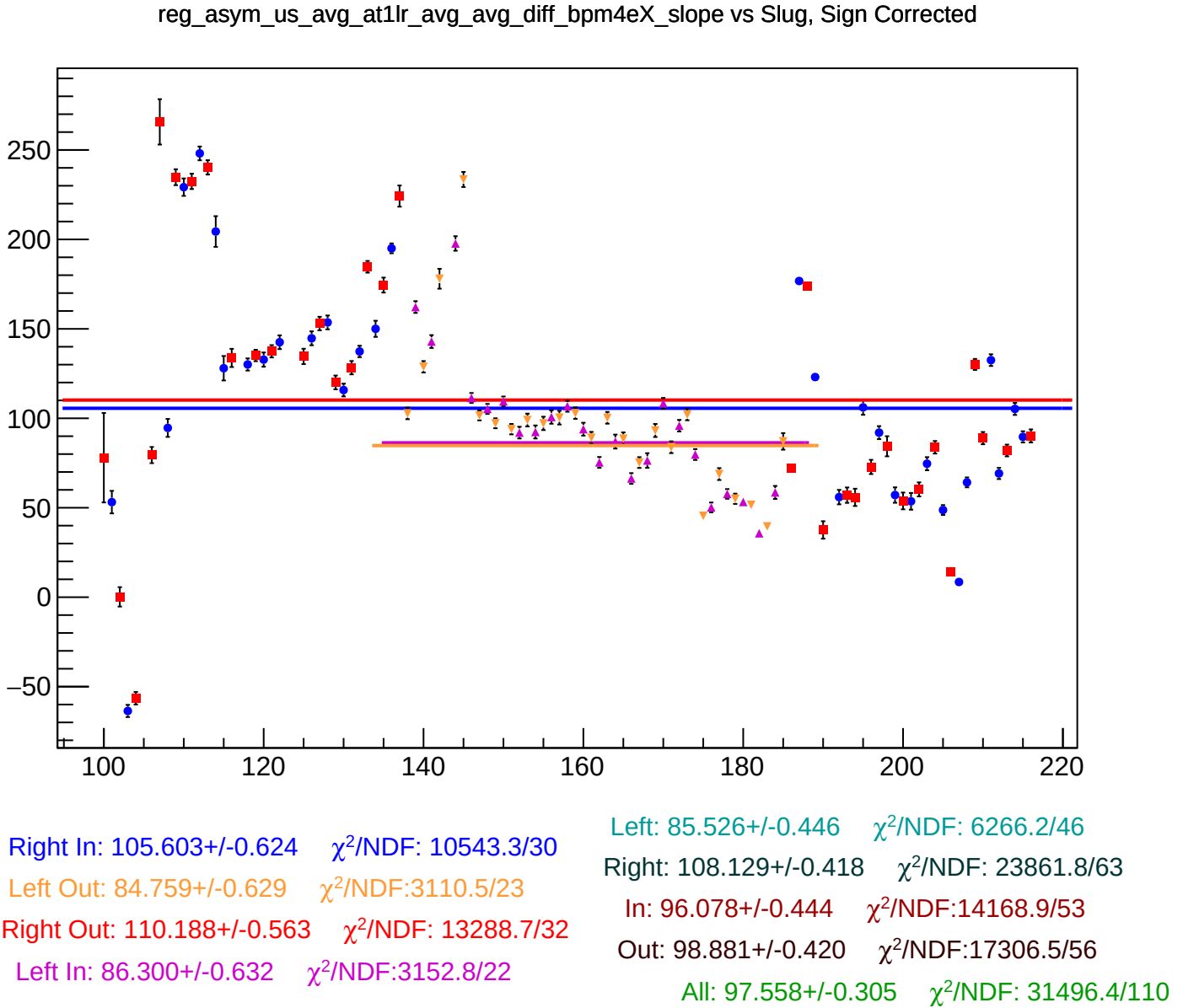
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.423+/-0.491 χ^2/NDF: 1546.1/63

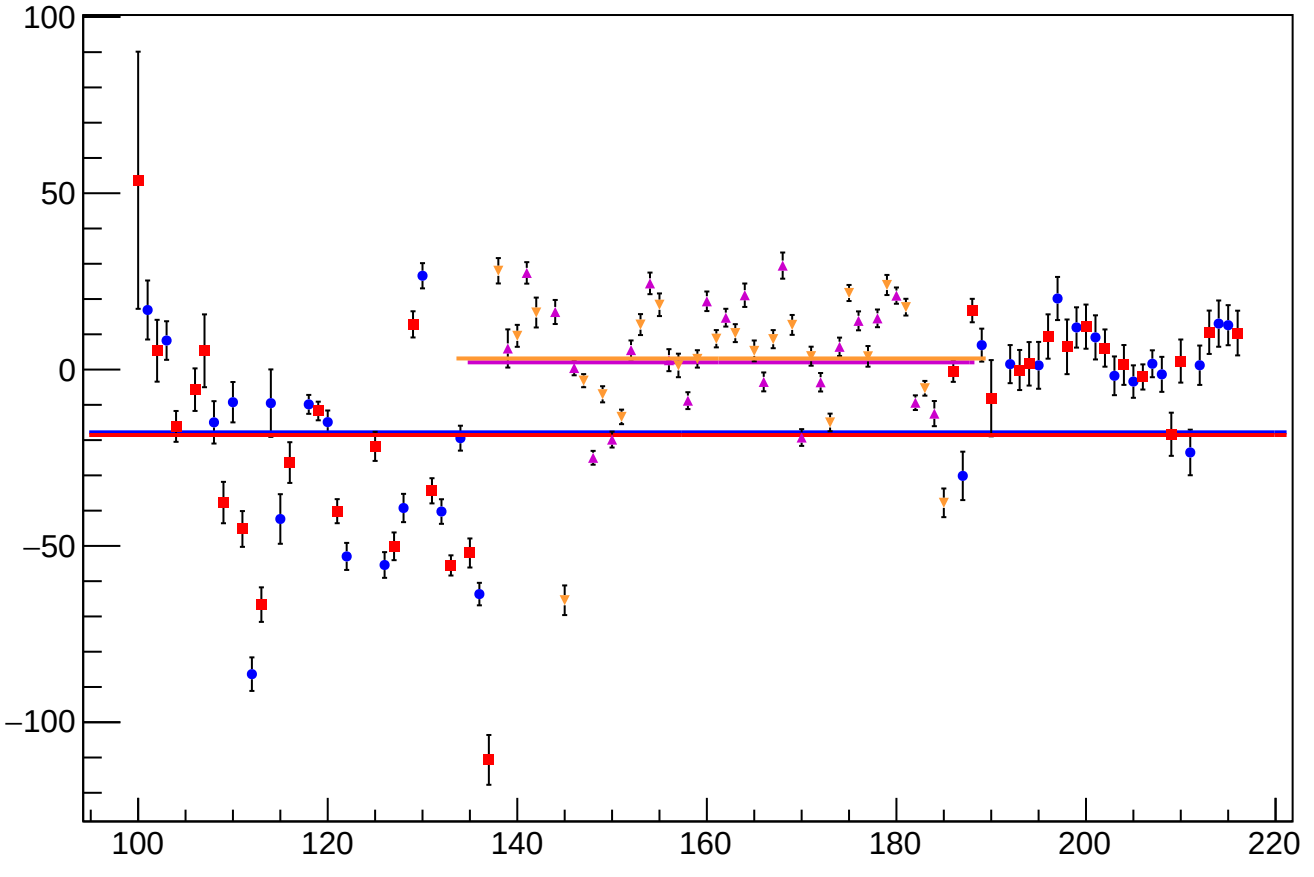
In: 14.200+/-0.402 χ^2/NDF:1594.8/53

Out: 14.052+/-0.390 χ^2/NDF:1703.8/56

All: 14.124+/-0.280 χ^2/NDF: 3298.6/110


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
220
Right In: 105.603+/-0.624 χ²/NDF: 10543.3/30
Left Out: 84.759+/-0.629 χ²/NDF:3110.5/23
Right Out: 110.188+/-0.563 χ²/NDF: 13288.7/32
Left In: 86.300+/-0.632 χ²/NDF:3152.8/22
Left: 85.526+/-0.446 χ²/NDF: 6266.2/46
Right: 108.129+/-0.418 χ²/NDF: 23861.8/63
In: 96.078+/-0.444 χ²/NDF:14168.9/53
Out: 98.881+/-0.420 χ²/NDF:17306.5/56
All: 97.558+/-0.305 χ²/NDF: 31496.4/110

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: -18.553+/-0.807 χ^2/NDF: 1100.2/32

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

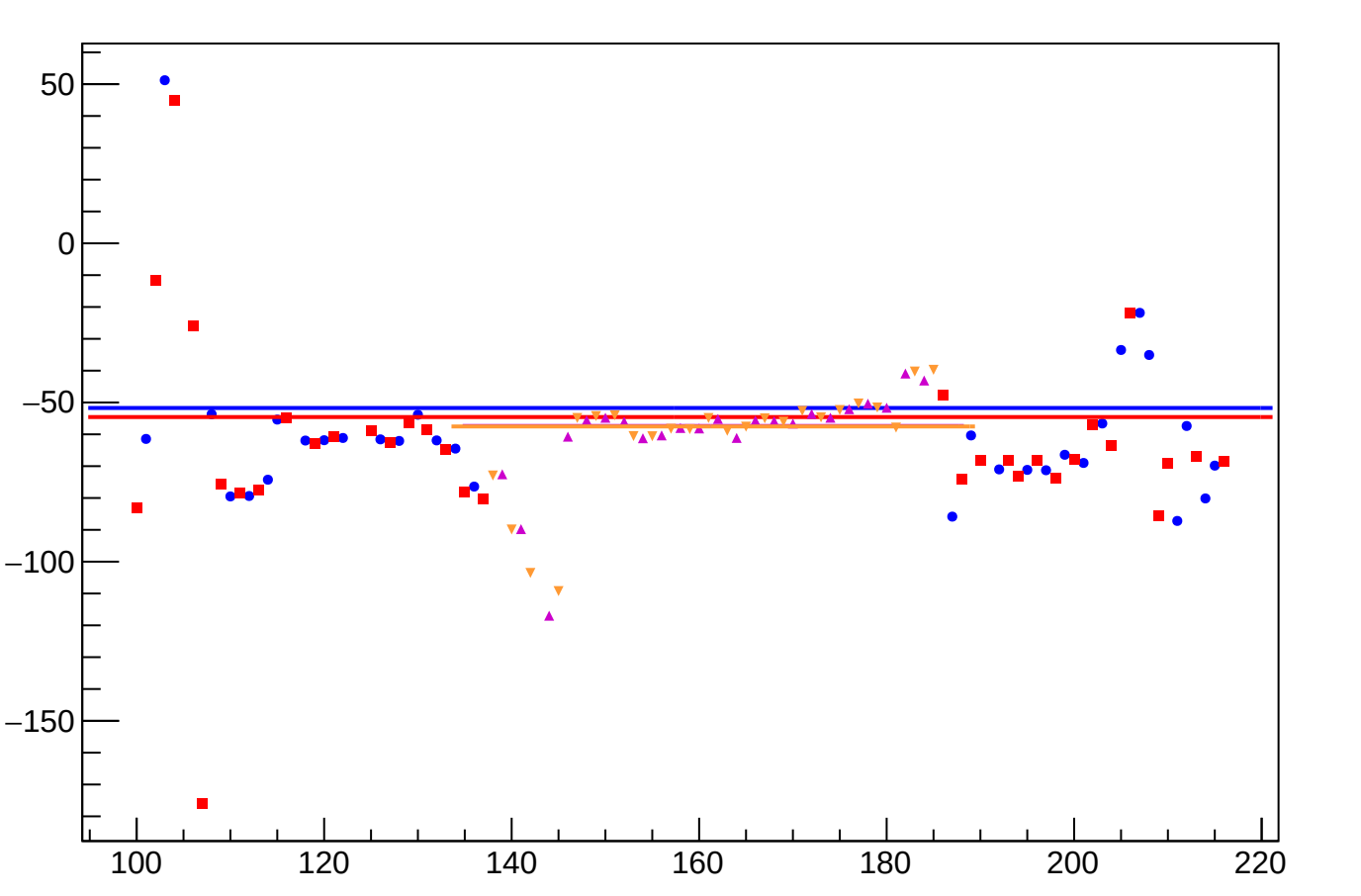
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -18.186+/-0.578 χ^2/NDF: 2249.6/63

In: -4.058+/-0.458 χ^2/NDF:2399.2/53

Out: -3.621+/-0.451 χ^2/NDF:2411.3/56

All: -3.836+/-0.322 χ^2/NDF: 4810.9/110



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: -54.572+/-0.040 χ^2/NDF: 638418.3/32

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

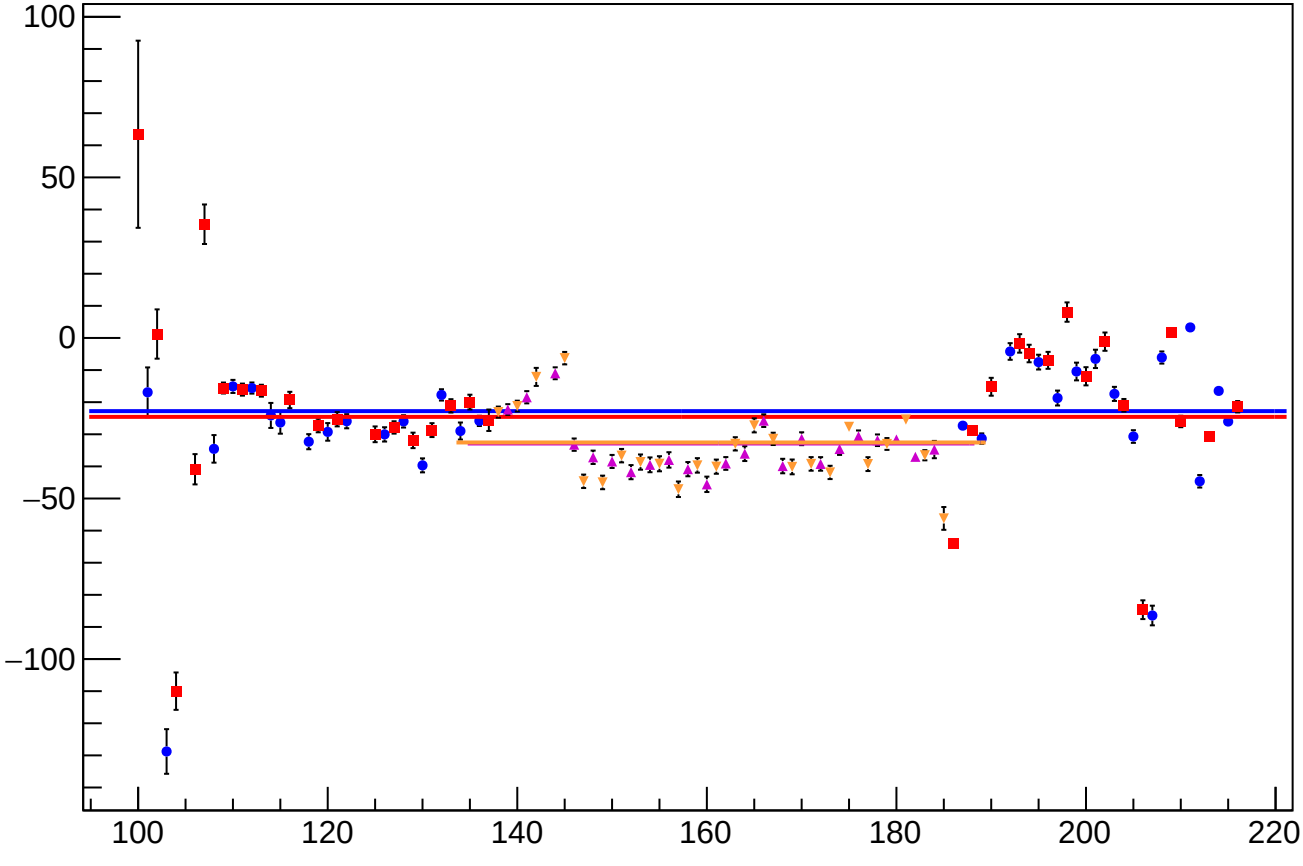
Right: -53.137+/-0.028 χ^2/NDF: 1370201.6/63

In: -55.803+/-0.021 χ^2/NDF:970906.9/53

Out: -56.716+/-0.021 χ^2/NDF:909389.5/56

All: -56.258+/-0.015 χ^2/NDF: 1881237.5/110

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: -24.576+/-0.362 χ^2/NDF: 2386.3/32

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

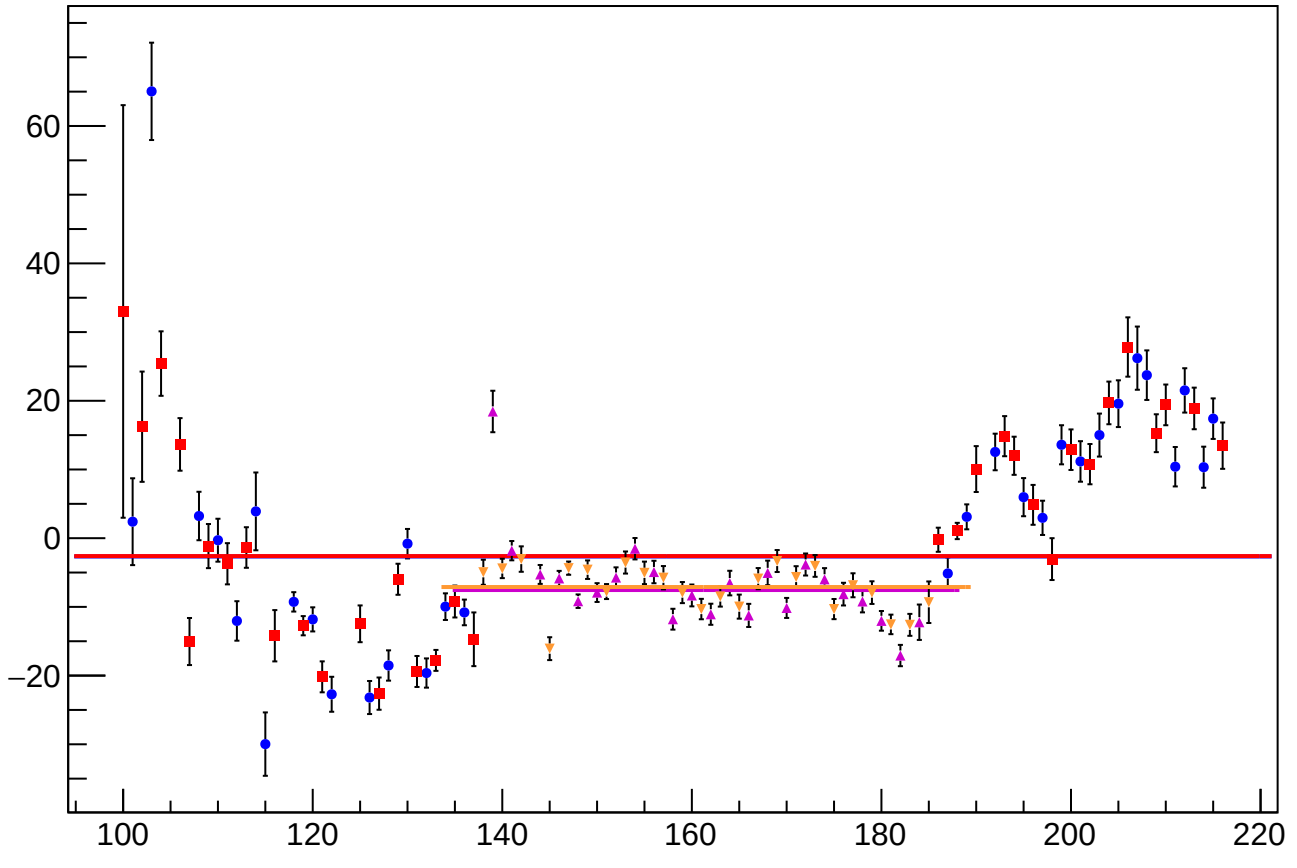
Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

Right: -23.723+/-0.261 χ^2/NDF: 3940.7/63

In: -27.406+/-0.278 χ^2/NDF:2241.1/53

Out: -28.101+/-0.270 χ^2/NDF:3204.5/56

All: -27.764+/-0.194 χ^2/NDF: 5448.8/110



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: -2.607+/-0.441 χ^2/NDF: 874.2/32

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

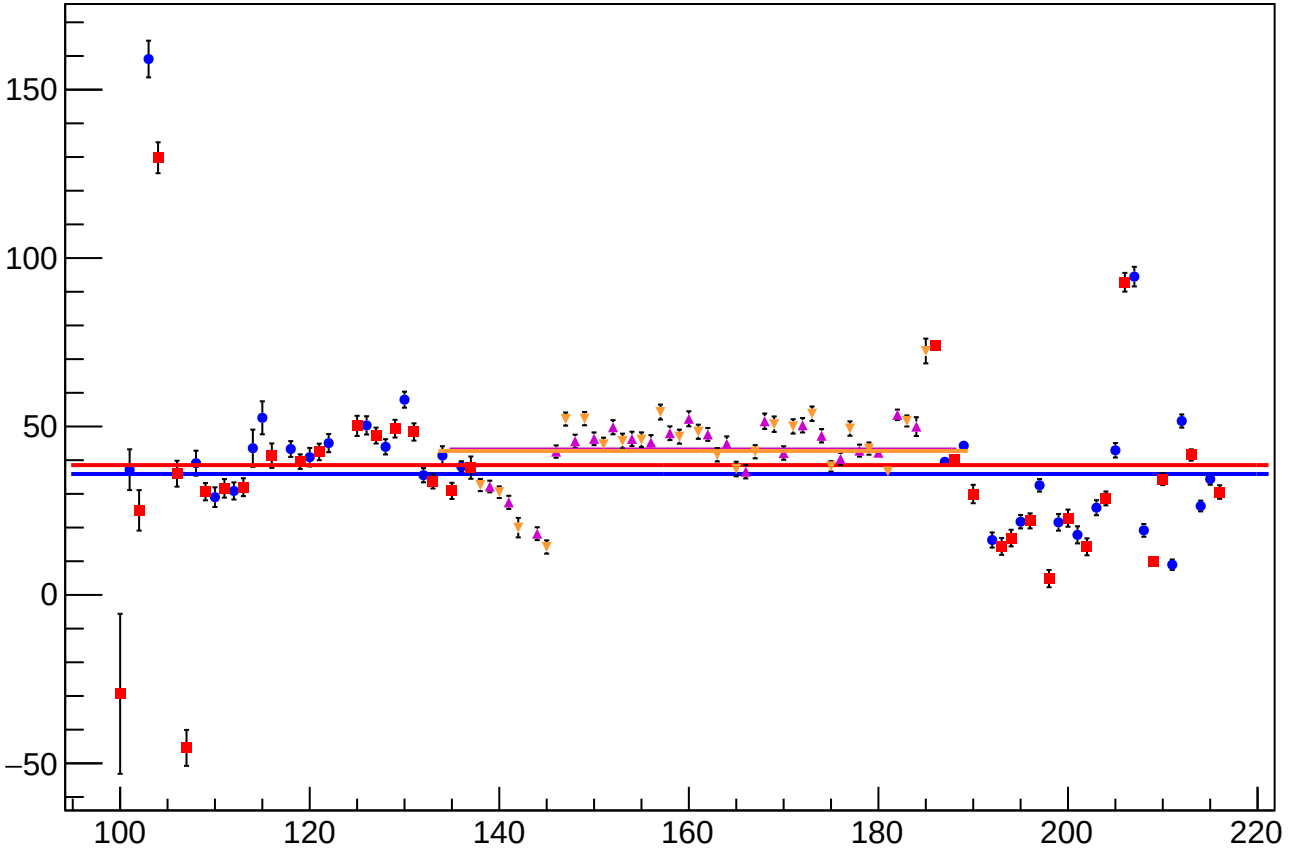
Right: -2.633+/-0.319 χ^2/NDF: 1772.7/63

In: -5.995+/-0.260 χ^2/NDF:1174.5/53

Out: -5.625+/-0.253 χ^2/NDF:1053.6/56

All: -5.805+/-0.181 χ^2/NDF: 2229.2/110

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 35.903+/-0.385 χ^2/NDF: 1870.5/30

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 38.539+/-0.355 χ^2/NDF: 3091.0/32

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

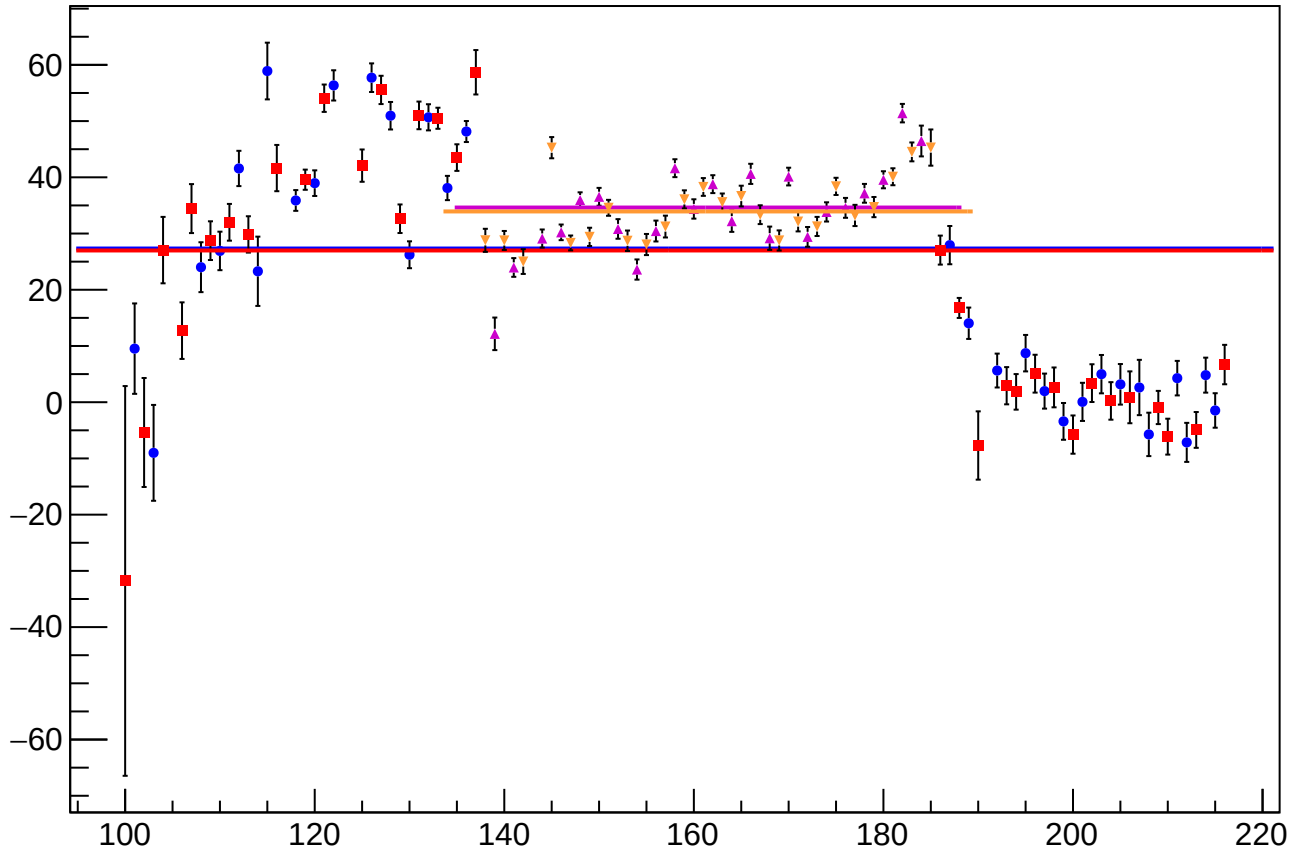
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 37.328+/-0.261 χ^2/NDF: 4986.8/63

In: 39.336+/-0.280 χ^2/NDF:2451.5/53

Out: 40.376+/-0.267 χ^2/NDF:3783.8/56

All: 39.881+/-0.193 χ^2/NDF: 6242.5/110



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: 26.989+/-0.525 χ^2/NDF: 1582.0/32

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

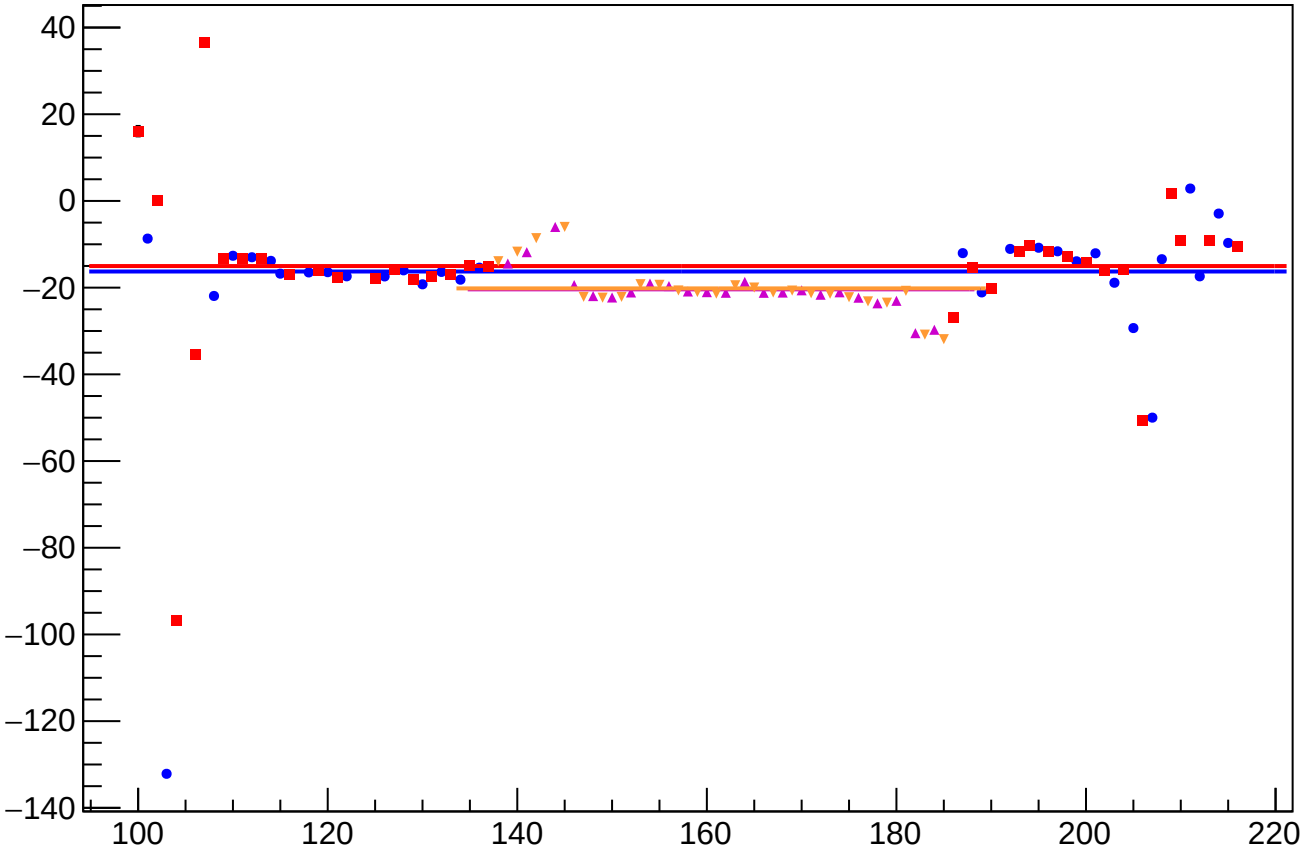
Right: 27.159+/-0.374 χ^2/NDF: 3124.2/63

In: 32.376+/-0.296 χ^2/NDF:2047.1/53

Out: 31.788+/-0.292 χ^2/NDF:1919.3/56

All: 32.077+/-0.208 χ^2/NDF: 3968.5/110

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: -15.020+/-0.026 χ^2/NDF: 276362.3/32

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

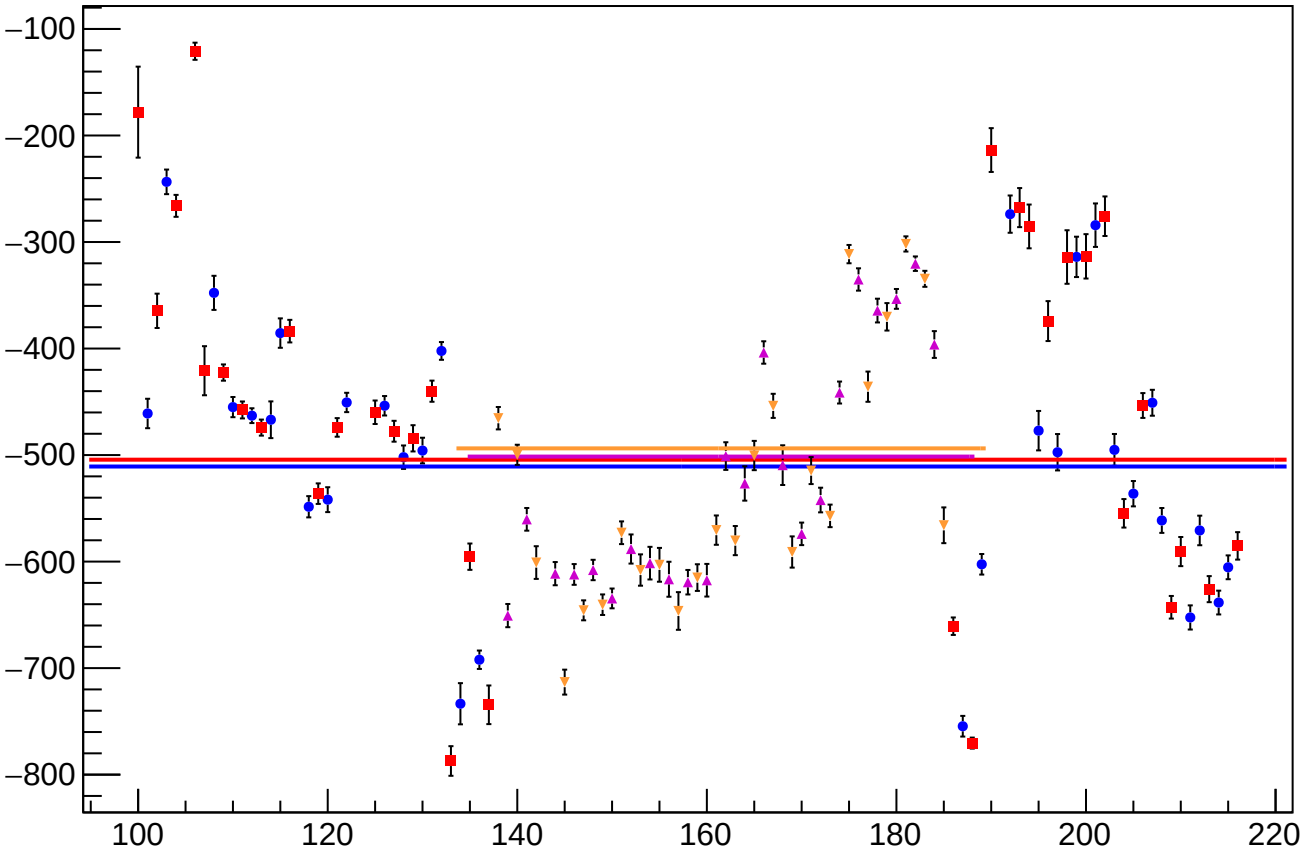
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -15.642+/-0.018 χ^2/NDF: 609710.8/63

In: -19.277+/-0.013 χ^2/NDF:431810.8/53

Out: -18.755+/-0.013 χ^2/NDF:405717.1/56

All: -19.015+/-0.010 χ^2/NDF: 838283.4/110



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: -504.330+/-1.909 χ^2/NDF: 8186.7/32

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

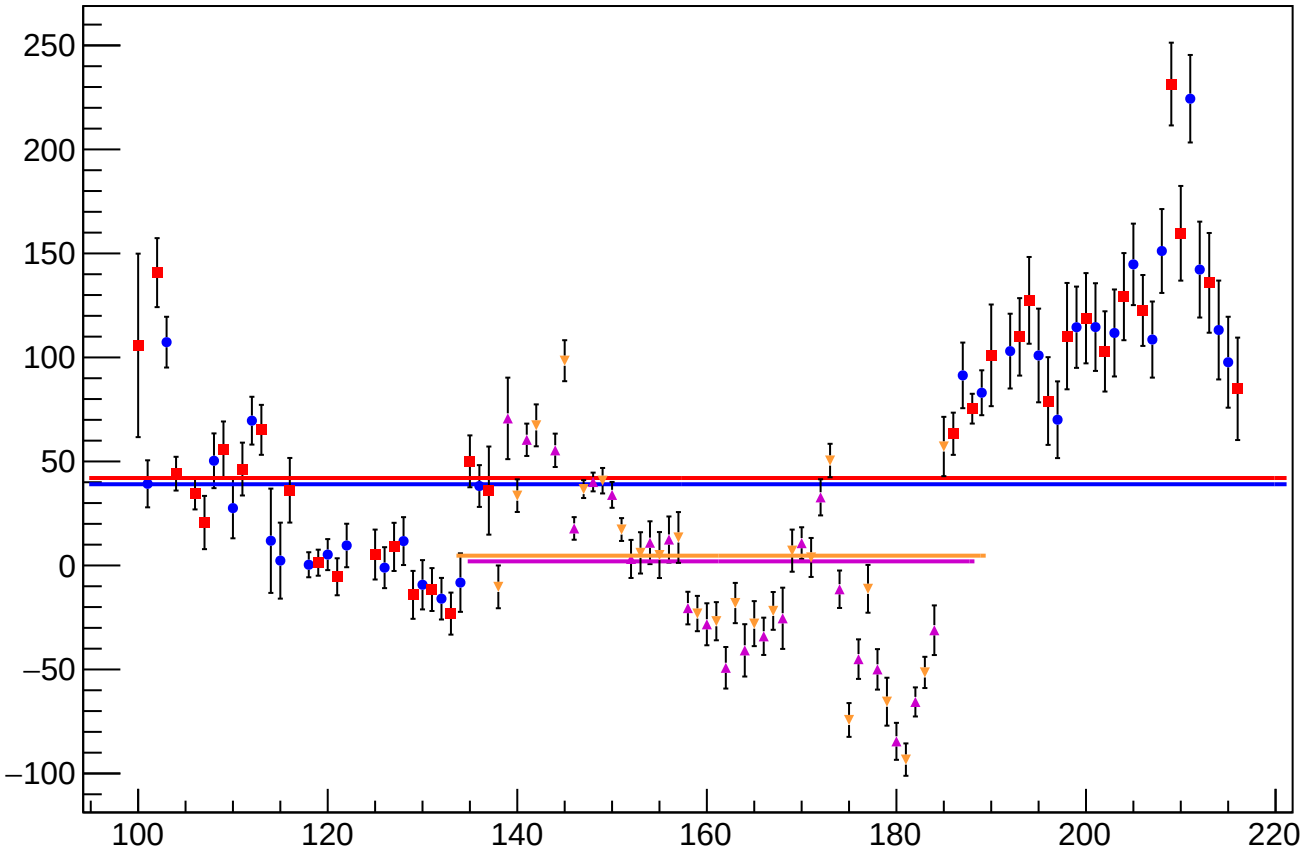
Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

Right: -507.293+/-1.401 χ^2/NDF: 11429.9/63

In: -506.606+/-1.538 χ^2/NDF:5936.4/53

Out: -499.991+/-1.468 χ^2/NDF:11349.3/56

All: -503.145+/-1.062 χ^2/NDF: 17295.4/110



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: 42.037+/-2.171 χ^2/NDF: 497.8/32

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

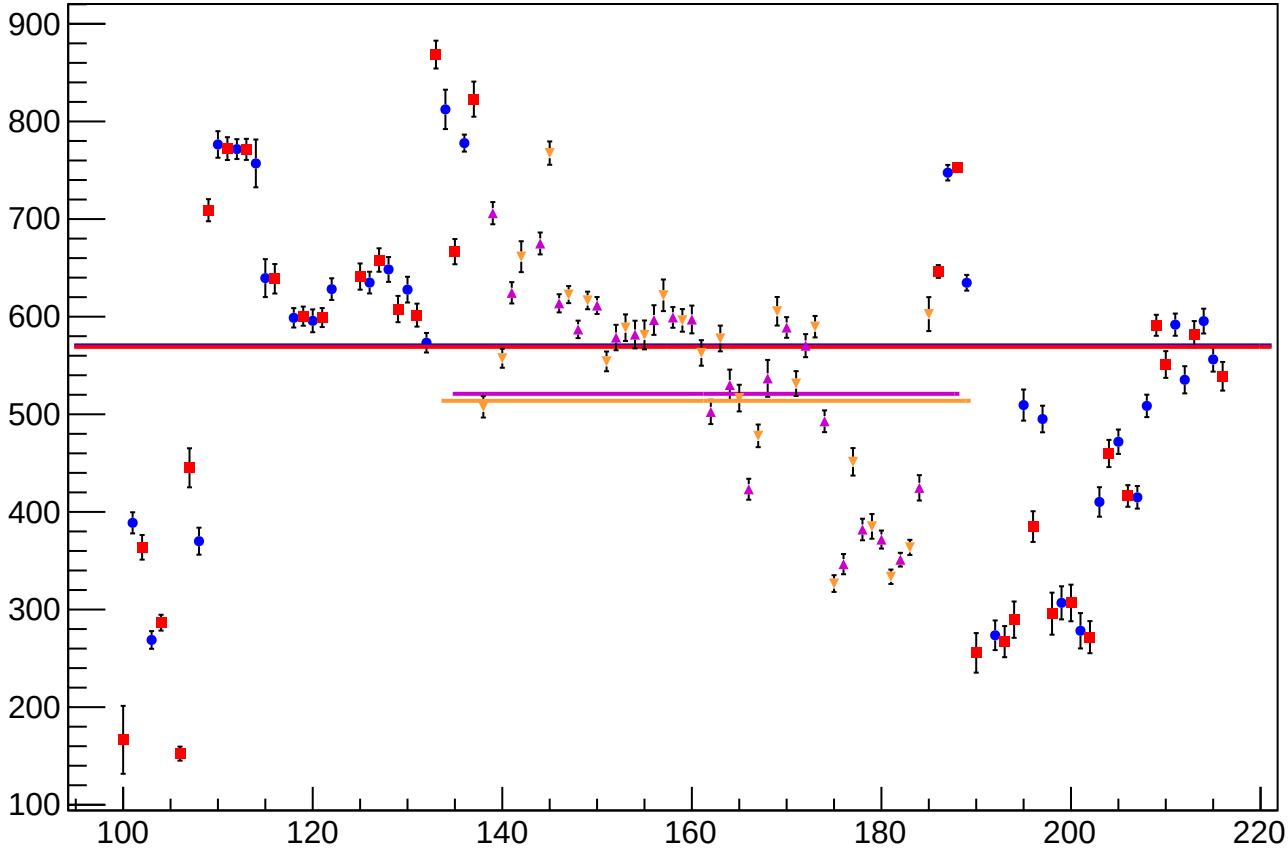
Right: 40.639+/-1.585 χ^2/NDF: 973.6/63

In: 15.137+/-1.383 χ^2/NDF:1200.4/53

Out: 18.855+/-1.336 χ^2/NDF:1361.7/56

All: 17.060+/-0.961 χ^2/NDF: 2565.9/110

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: 569.097+/-1.912 χ^2/NDF: 10678.0/32

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

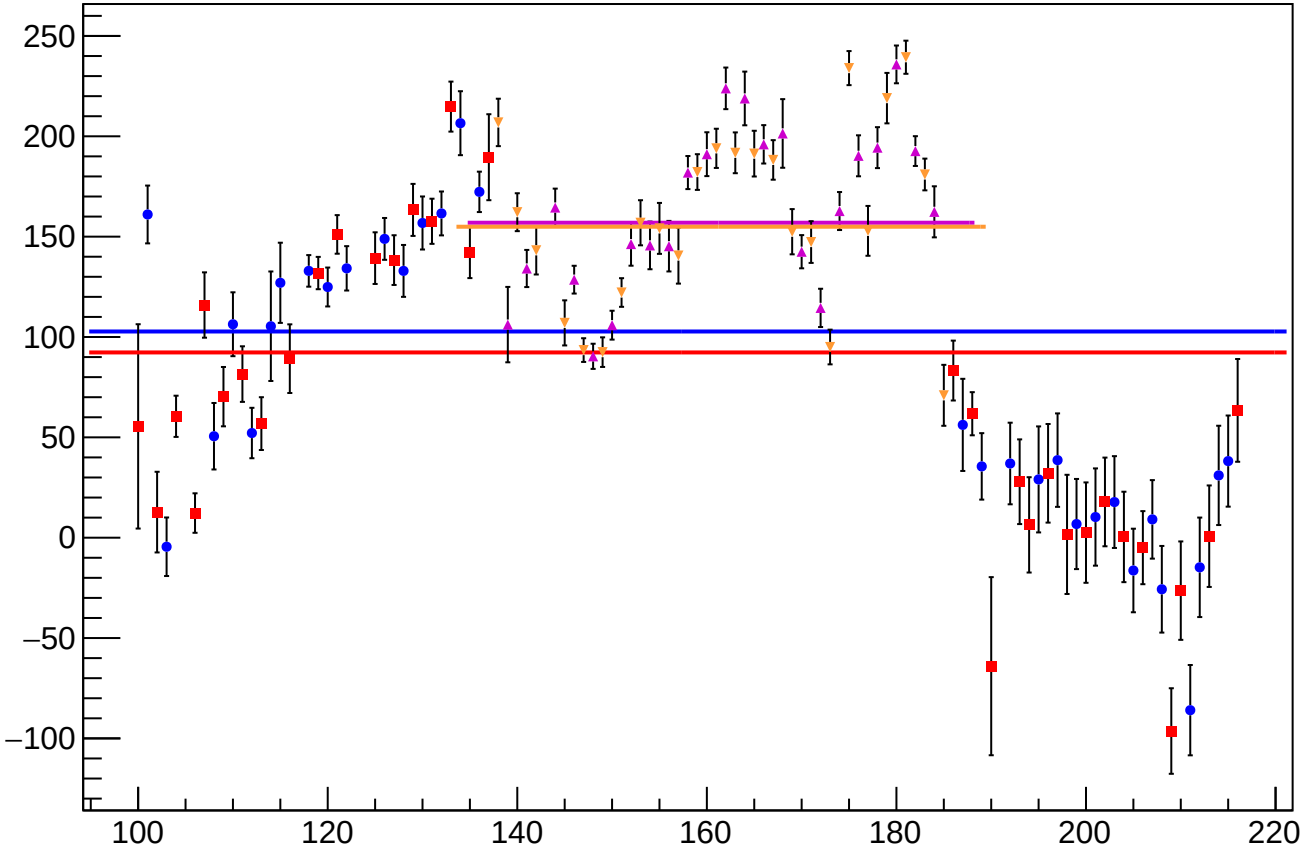
Right: 569.761+/-1.425 χ^2/NDF: 15694.1/63

In: 547.435+/-1.560 χ^2/NDF:7710.2/53

Out: 546.244+/-1.464 χ^2/NDF:13759.0/56

All: 546.802+/-1.068 χ^2/NDF: 21469.5/110

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: 92.307+/-2.591 χ^2/NDF: 633.5/32

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

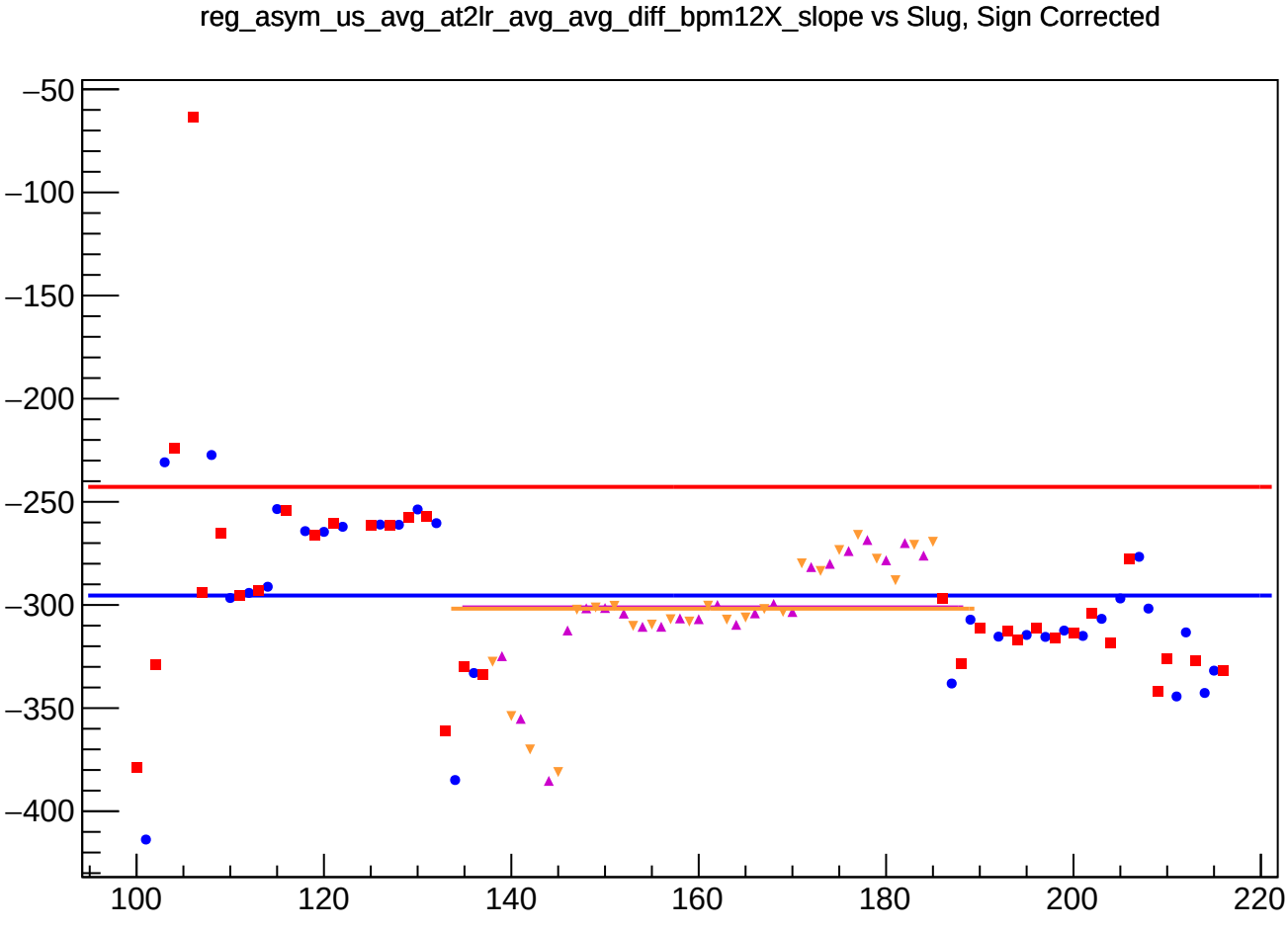
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 97.298+/-1.872 χ^2/NDF: 1221.7/63

In: 138.159+/-1.594 χ^2/NDF:1285.5/53

Out: 132.248+/-1.560 χ^2/NDF:1615.2/56

All: 135.140+/-1.115 χ^2/NDF: 2907.7/110



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: -242.749+/-0.122 χ^2/NDF: 707839.0/32

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

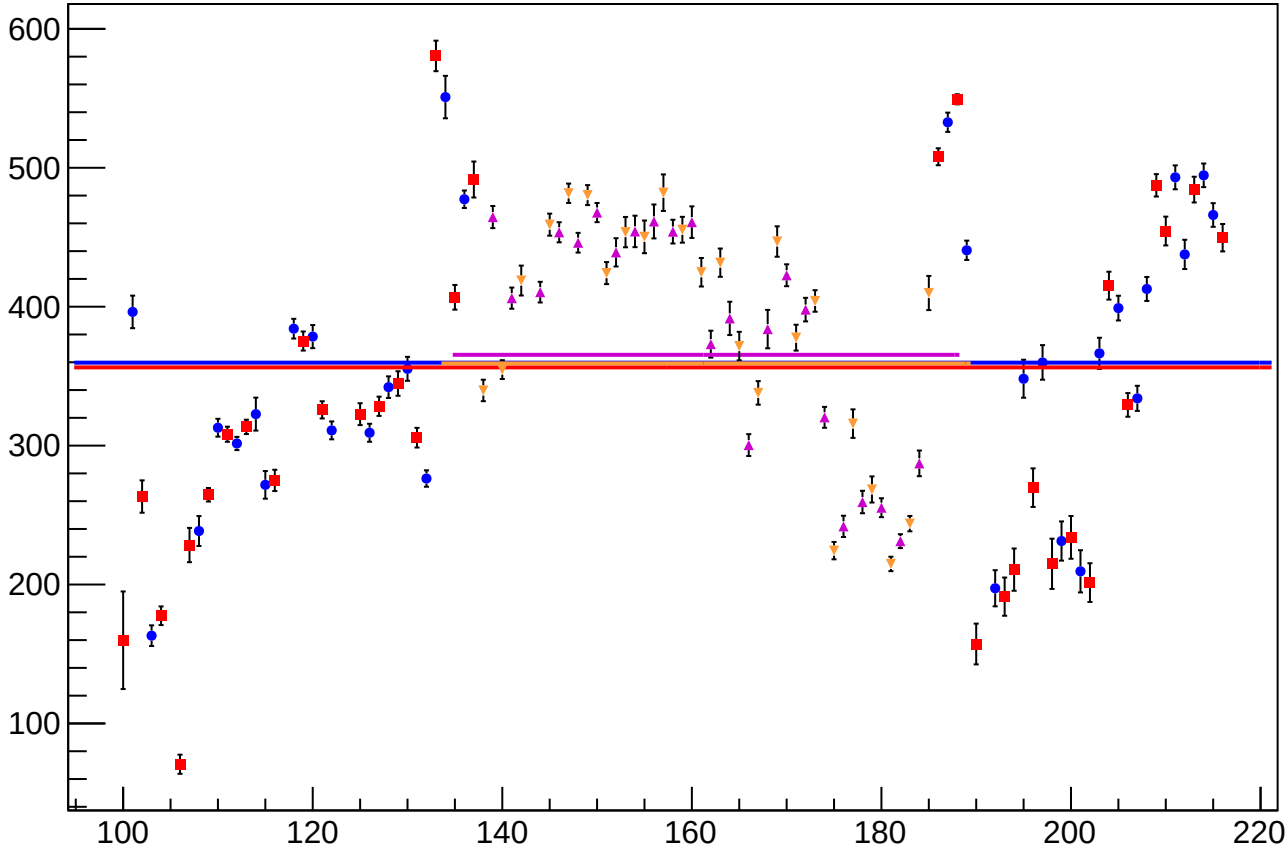
Right: -265.846+/-0.091 χ^2/NDF: 908322.9/63

In: -299.454+/-0.075 χ^2/NDF:194987.0/53

Out: -280.693+/-0.073 χ^2/NDF:945625.4/56

All: -289.747+/-0.052 χ^2/NDF: 1172678.6/11

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: 356.314+/-1.365 χ^2/NDF: 8723.4/32

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

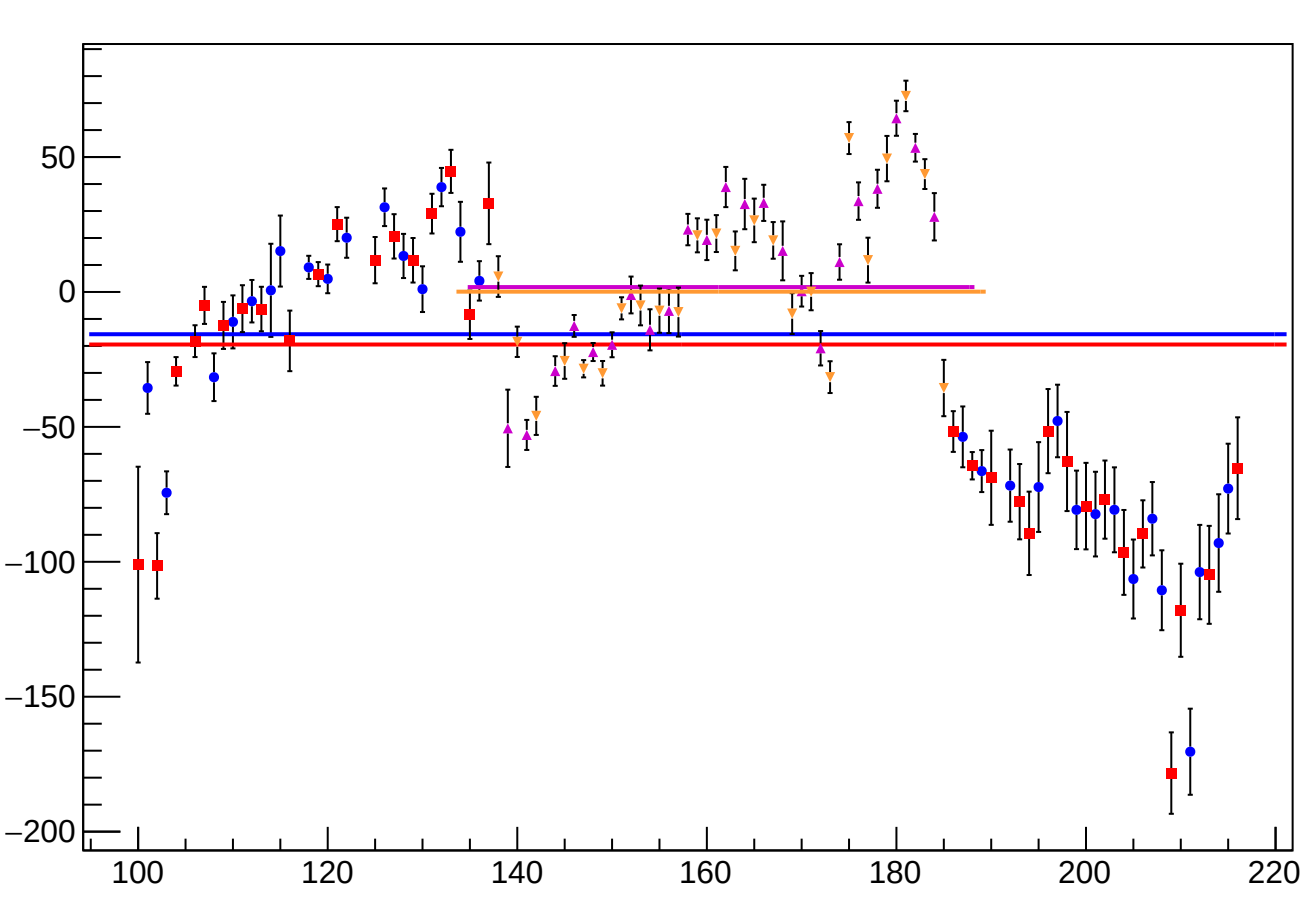
Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

Right: 357.878+/-1.004 χ^2/NDF: 12560.0/63

In: 362.170+/-1.115 χ^2/NDF:6579.5/53

Out: 357.456+/-1.060 χ^2/NDF:11913.1/56

All: 359.693+/-0.768 χ^2/NDF: 18501.9/110



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: -19.473+/-1.542 χ^2/NDF: 730.5/32

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

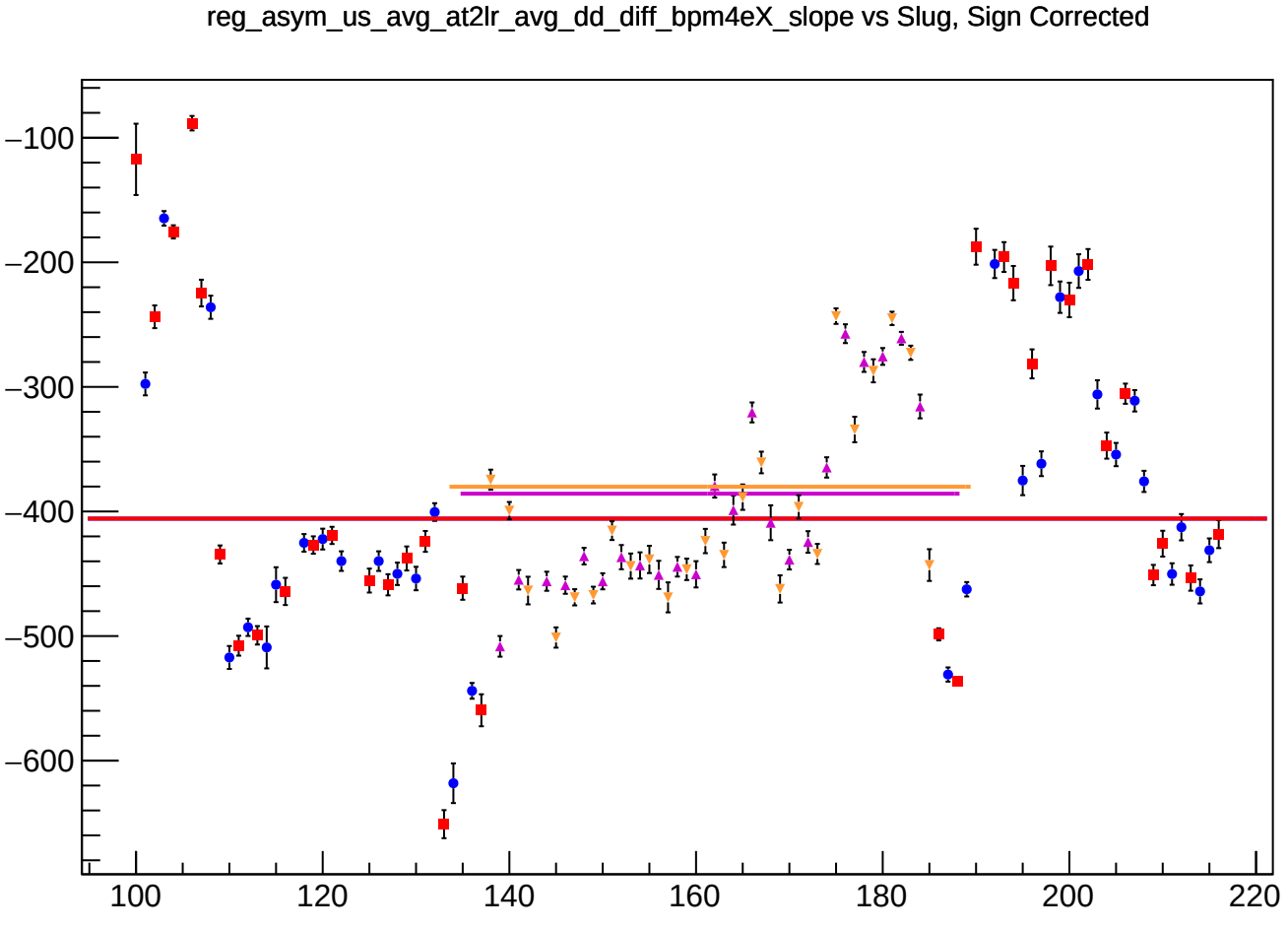
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -17.716+/-1.132 χ^2/NDF: 1414.6/63

In: -4.585+/-1.009 χ^2/NDF:1327.9/53

Out: -7.629+/-0.970 χ^2/NDF:1466.0/56

All: -6.167+/-0.699 χ^2/NDF: 2798.7/110



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: -405.722+/-1.373 χ^2/NDF: 10715.9/32

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

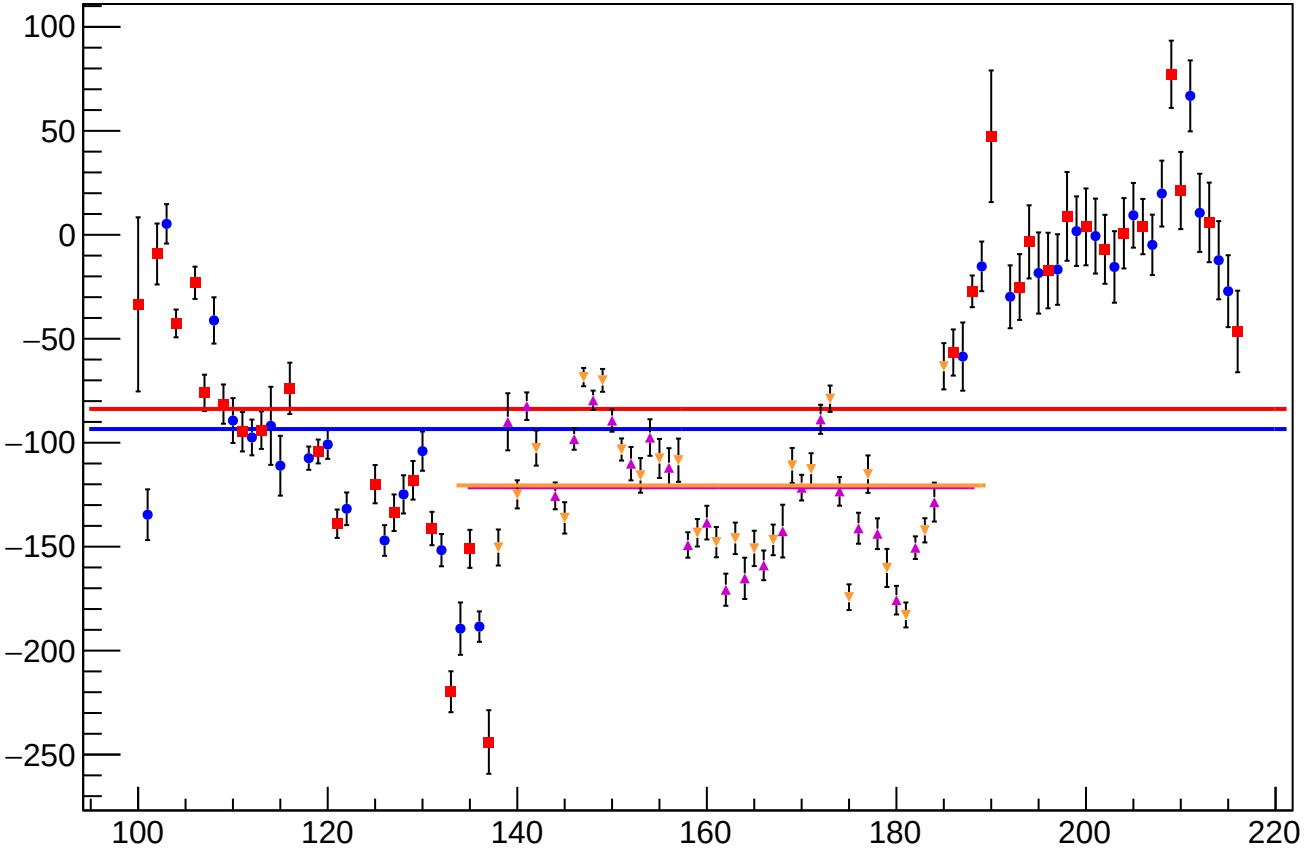
Right: -405.738+/-1.025 χ^2/NDF: 15654.7/63

In: -396.582+/-1.135 χ^2/NDF:7377.4/53

Out: -395.402+/-1.061 χ^2/NDF:13474.5/56

All: -395.952+/-0.775 χ^2/NDF: 20852.5/110

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: -83.751+/-1.840 χ^2/NDF: 1090.2/32

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

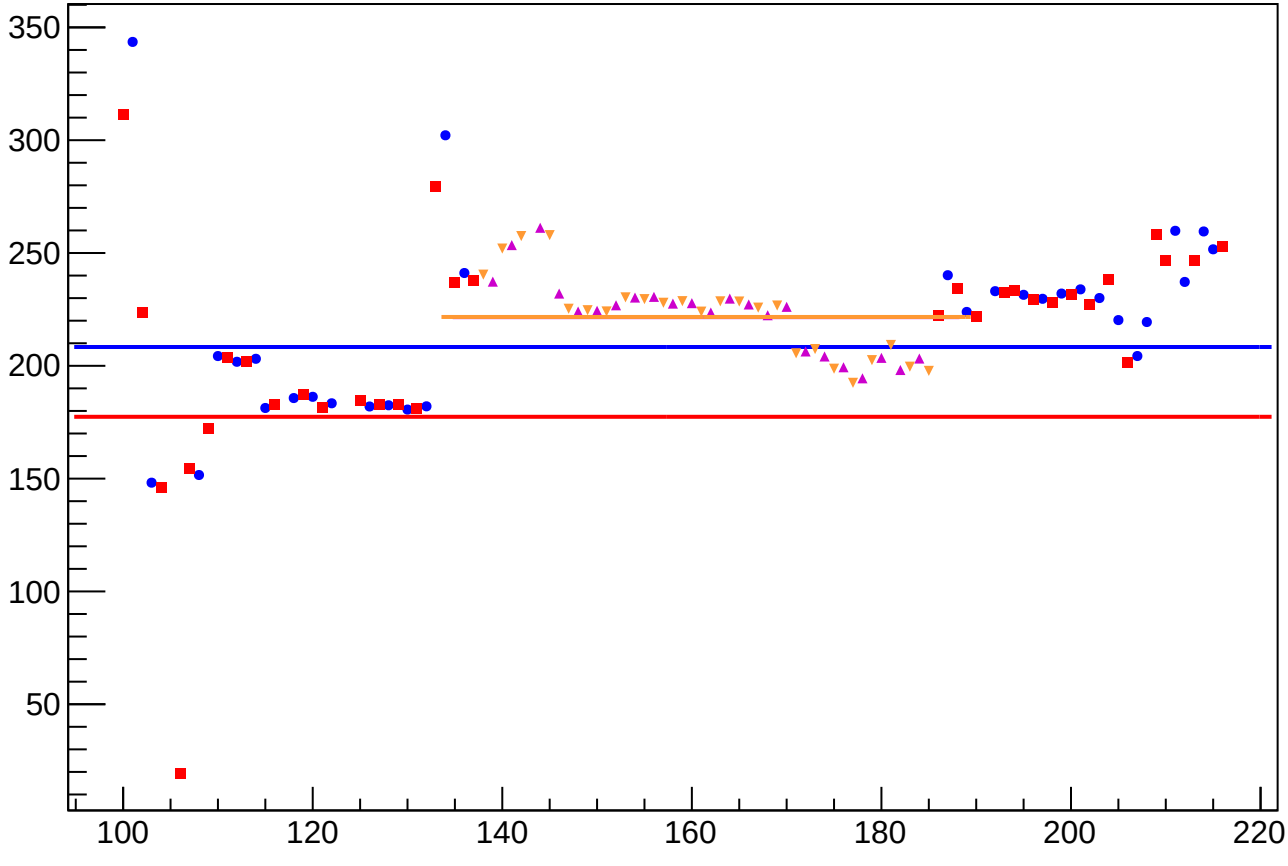
Right: -88.322+/-1.337 χ^2/NDF: 2090.4/63

In: -111.450+/-1.162 χ^2/NDF:1553.1/53

Out: -106.626+/-1.132 χ^2/NDF:1950.2/56

All: -108.973+/-0.811 χ^2/NDF: 3512.1/110

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: 177.405+/-0.090 χ^2/NDF: 679538.1/32

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

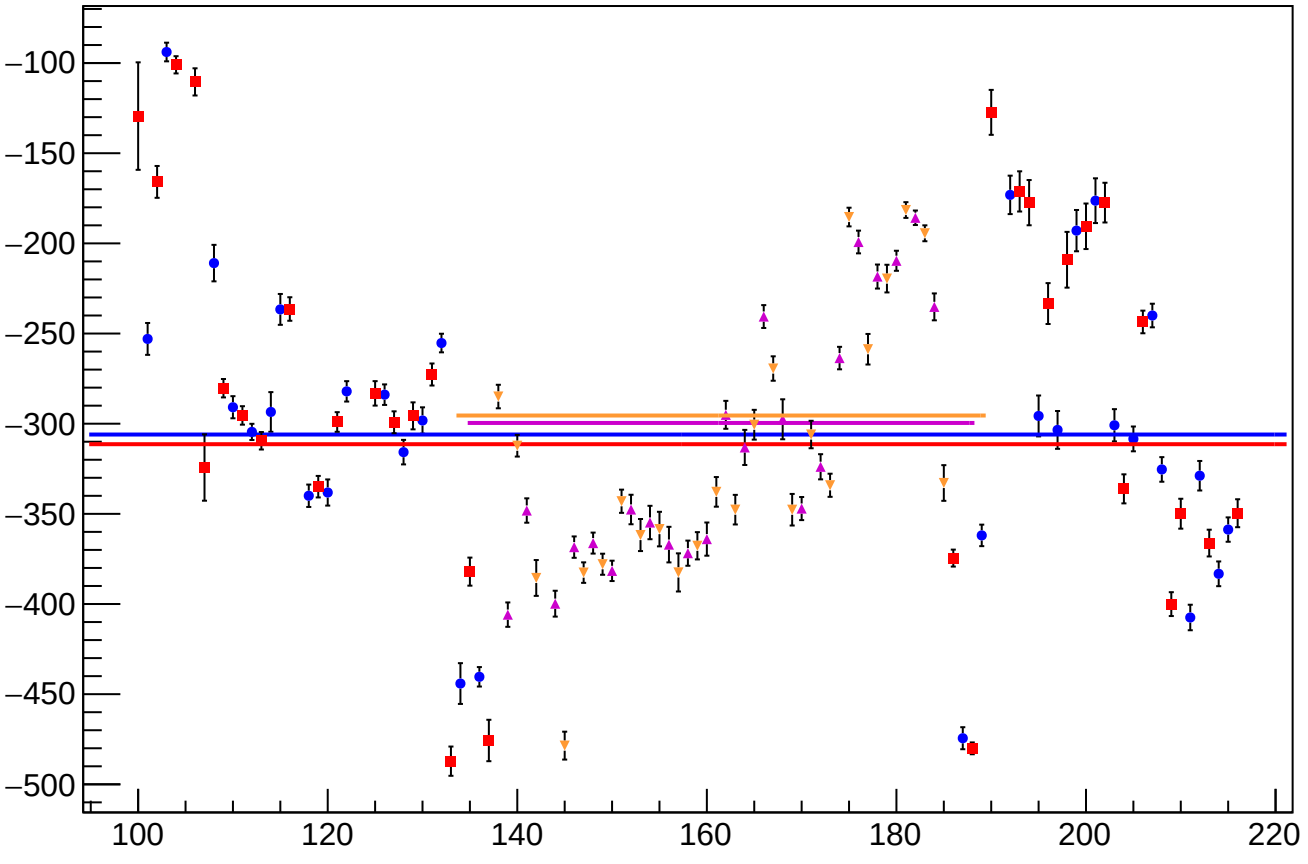
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 191.440+/-0.067 χ^2/NDF: 945209.2/63

In: 217.474+/-0.055 χ^2/NDF:286653.0/53

Out: 205.989+/-0.054 χ^2/NDF:902636.4/56

All: 211.582+/-0.038 χ^2/NDF: 1211655.5/110



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: -311.370+/-1.183 χ^2/NDF: 8033.6/32

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

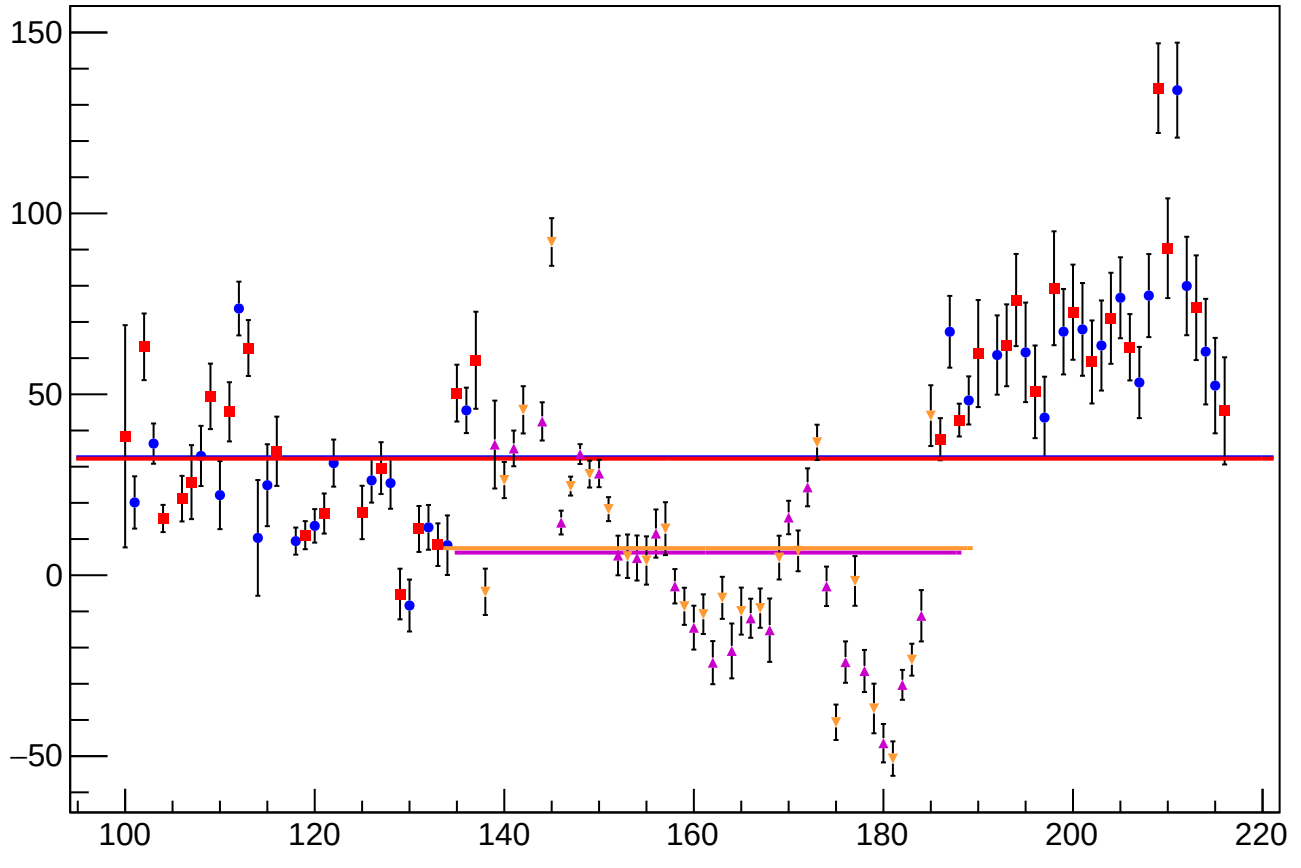
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -308.843+/-0.861 χ^2/NDF: 12595.3/63

In: -303.145+/-0.933 χ^2/NDF:7535.4/53

Out: -304.701+/-0.902 χ^2/NDF:11455.6/56

All: -303.949+/-0.648 χ^2/NDF: 18992.5/110



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: 32.216+/-1.330 χ^2/NDF: 332.8/32

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

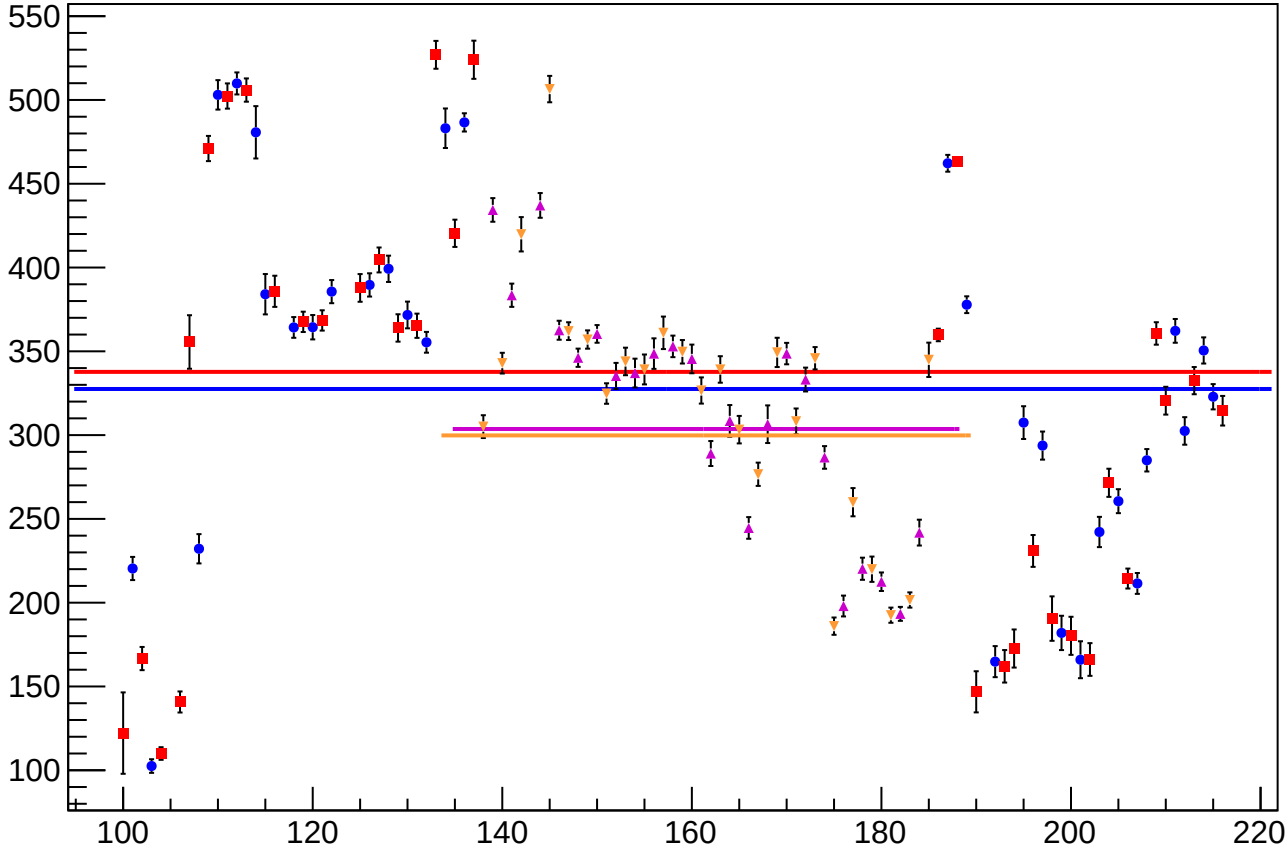
Right: 32.395+/-0.968 χ^2/NDF: 648.6/63

In: 15.586+/-0.840 χ^2/NDF:1100.2/53

Out: 16.753+/-0.814 χ^2/NDF:1287.4/56

All: 16.188+/-0.585 χ^2/NDF: 2388.7/110

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: 337.730+/-1.170 χ^2/NDF: 12164.2/32

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

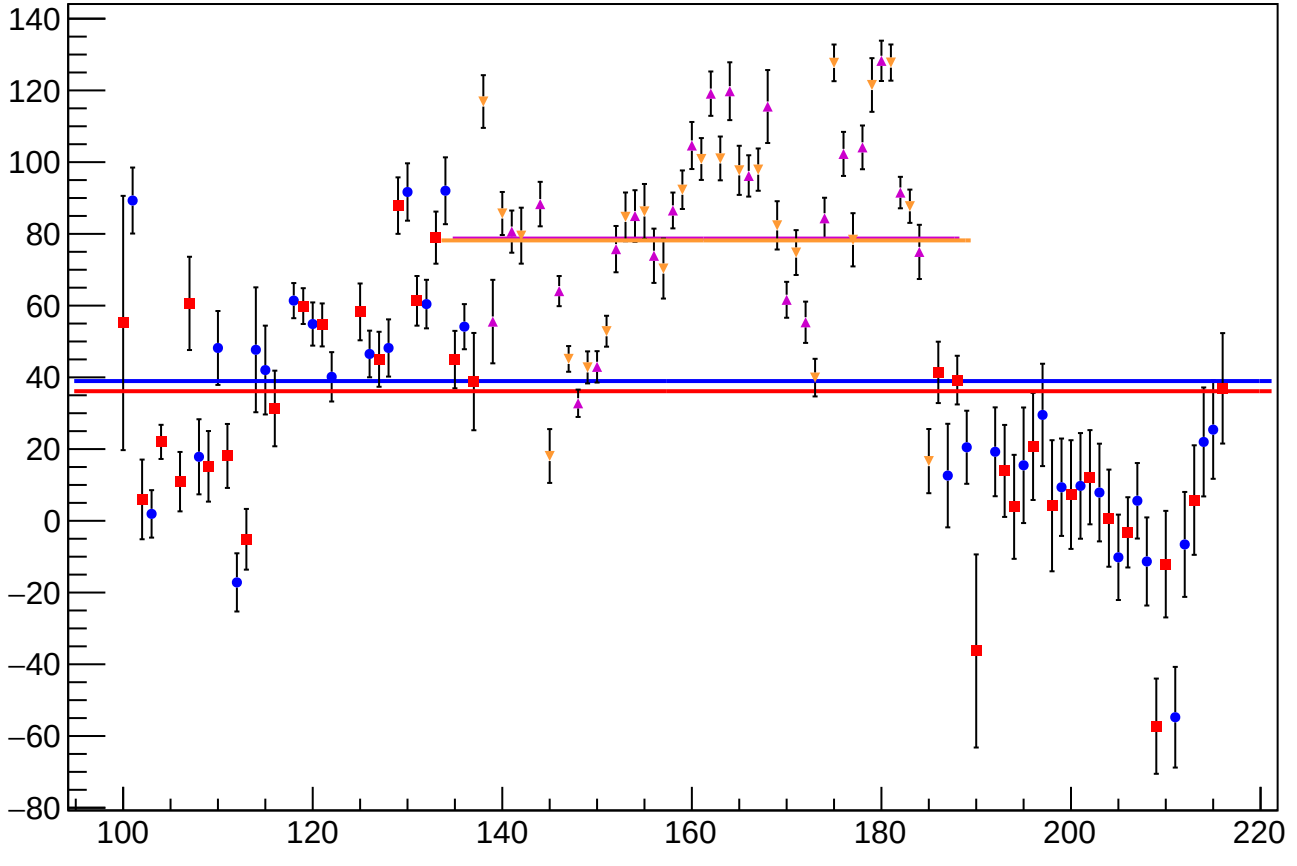
Right: 333.088+/-0.864 χ^2/NDF: 20456.7/63

In: 316.500+/-0.940 χ^2/NDF:11290.9/53

Out: 321.892+/-0.893 χ^2/NDF:15678.9/56

All: 319.334+/-0.647 χ^2/NDF: 26987.1/110

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: 36.136+/-1.587 χ^2/NDF: 309.5/32

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

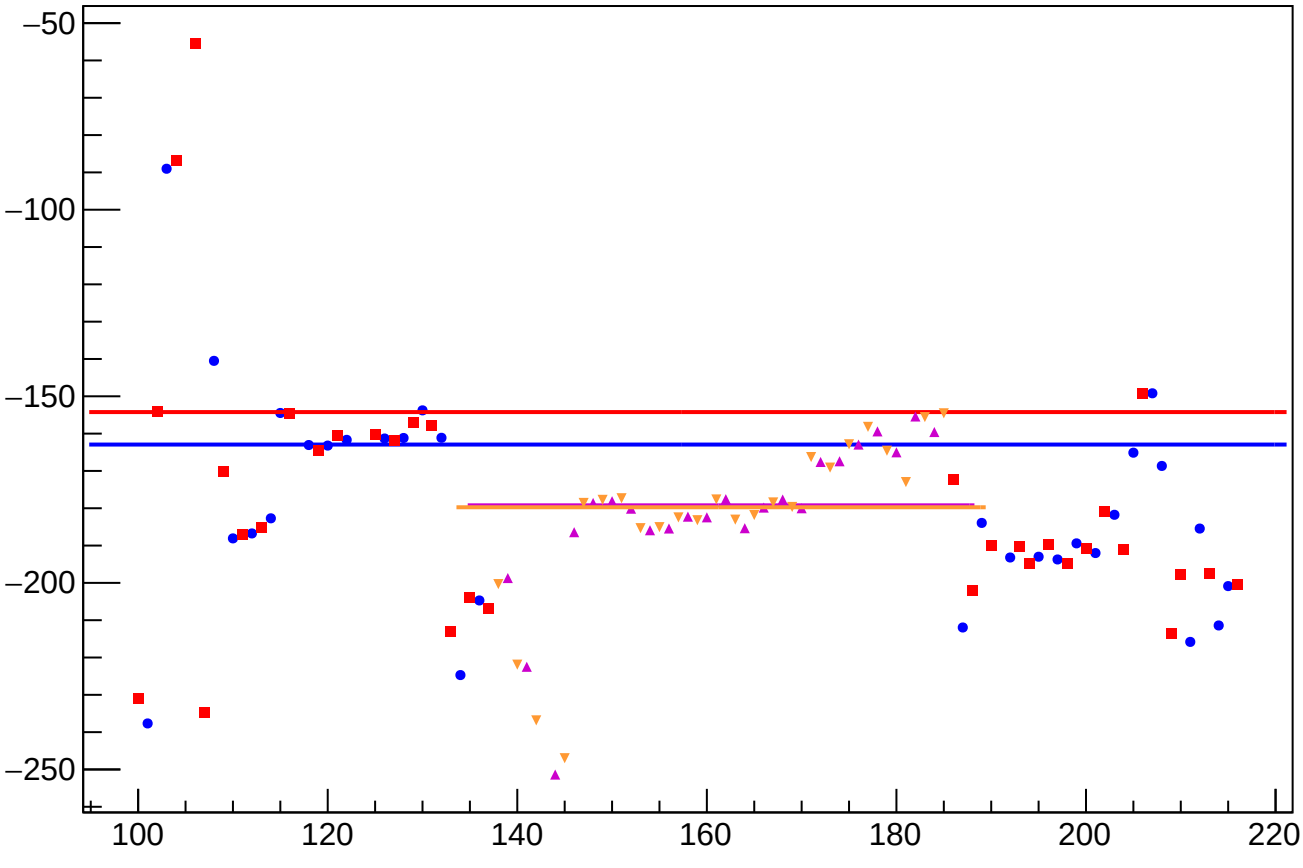
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 37.498+/-1.142 χ^2/NDF: 673.7/63

In: 64.970+/-0.967 χ^2/NDF:1233.0/53

Out: 63.134+/-0.949 χ^2/NDF:1423.7/56

All: 64.036+/-0.677 χ^2/NDF: 2658.5/110



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: -154.229+/-0.077 χ^2/NDF: 438520.1/32

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

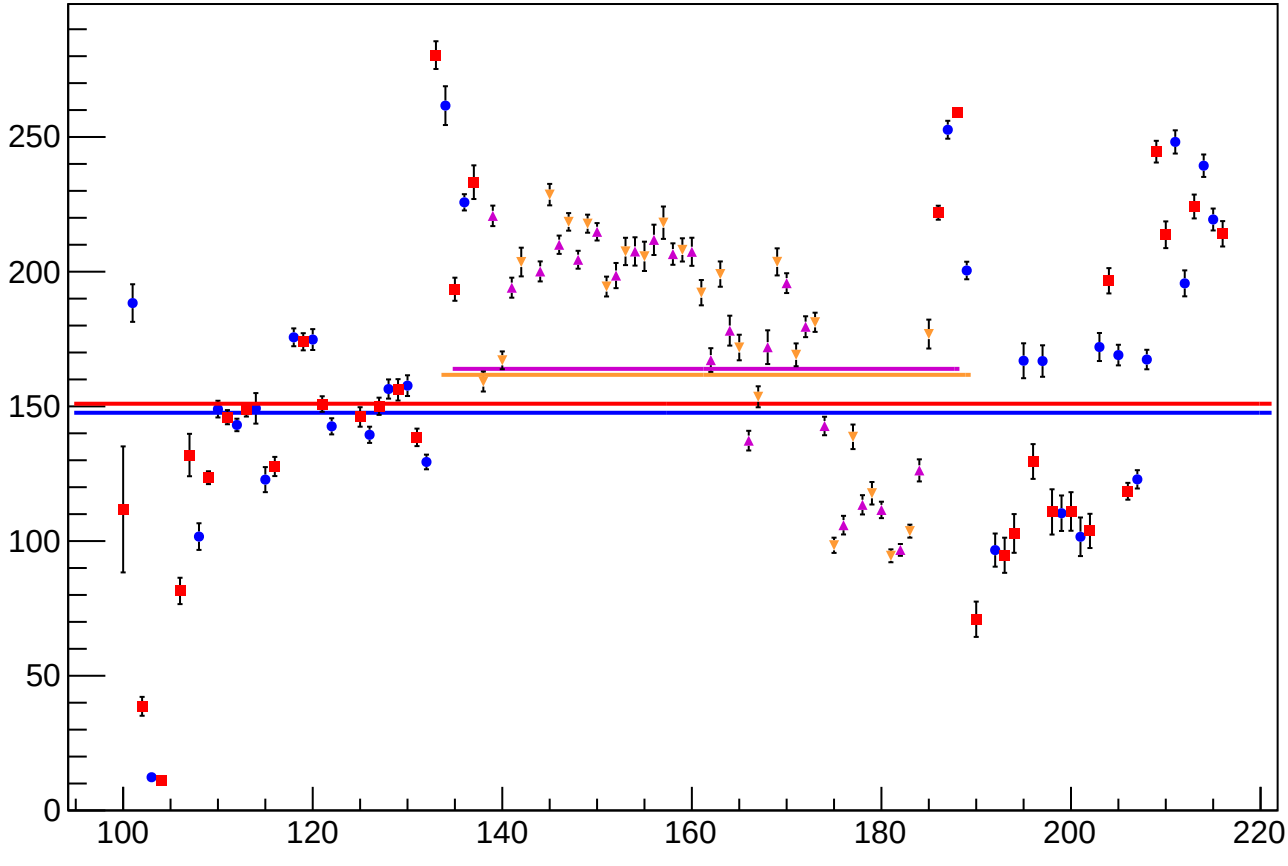
Right: -158.438+/-0.055 χ^2/NDF: 763934.1/63

In: -174.020+/-0.045 χ^2/NDF:461256.2/53

Out: -171.128+/-0.045 χ^2/NDF:643329.5/56

All: -172.568+/-0.032 χ^2/NDF: 1106662.6/11

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: 150.986+/-0.616 χ^2/NDF: 14530.9/32

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

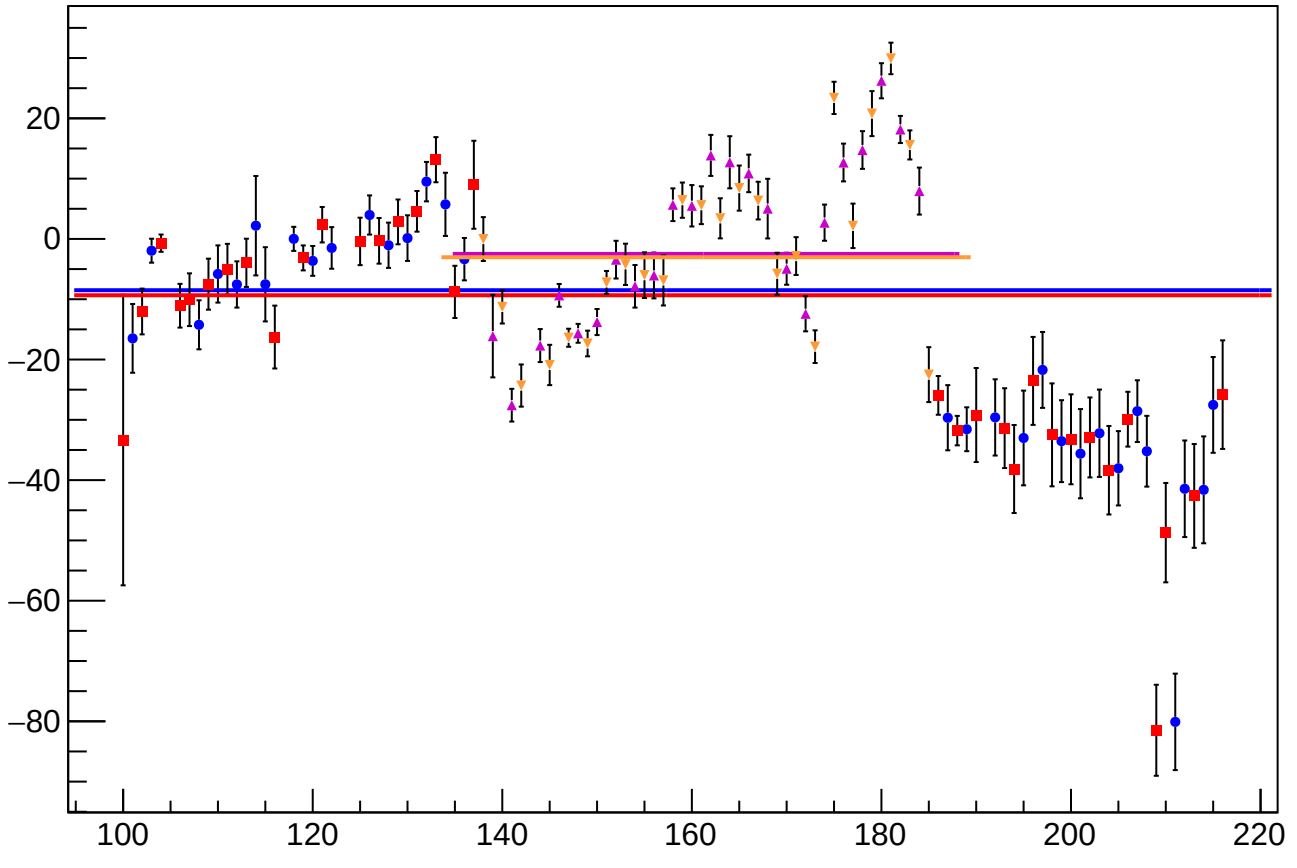
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 149.417+/-0.450 χ^2/NDF: 24345.8/63

In: 154.411+/-0.503 χ^2/NDF:13392.0/53

Out: 155.131+/-0.483 χ^2/NDF:18235.2/56

All: 154.785+/-0.348 χ^2/NDF: 31628.3/110



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: -9.341+/-0.673 χ^2/NDF: 495.8/32

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

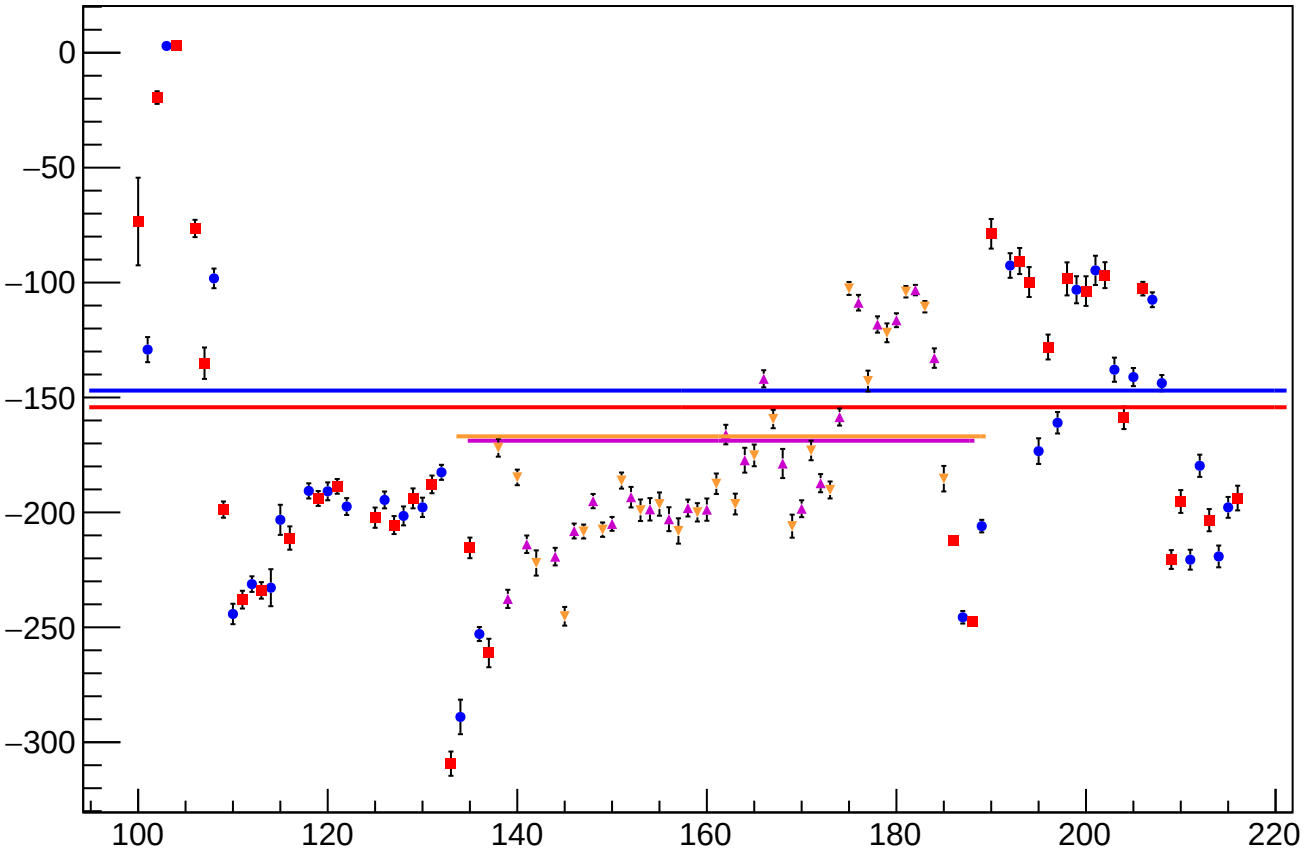
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

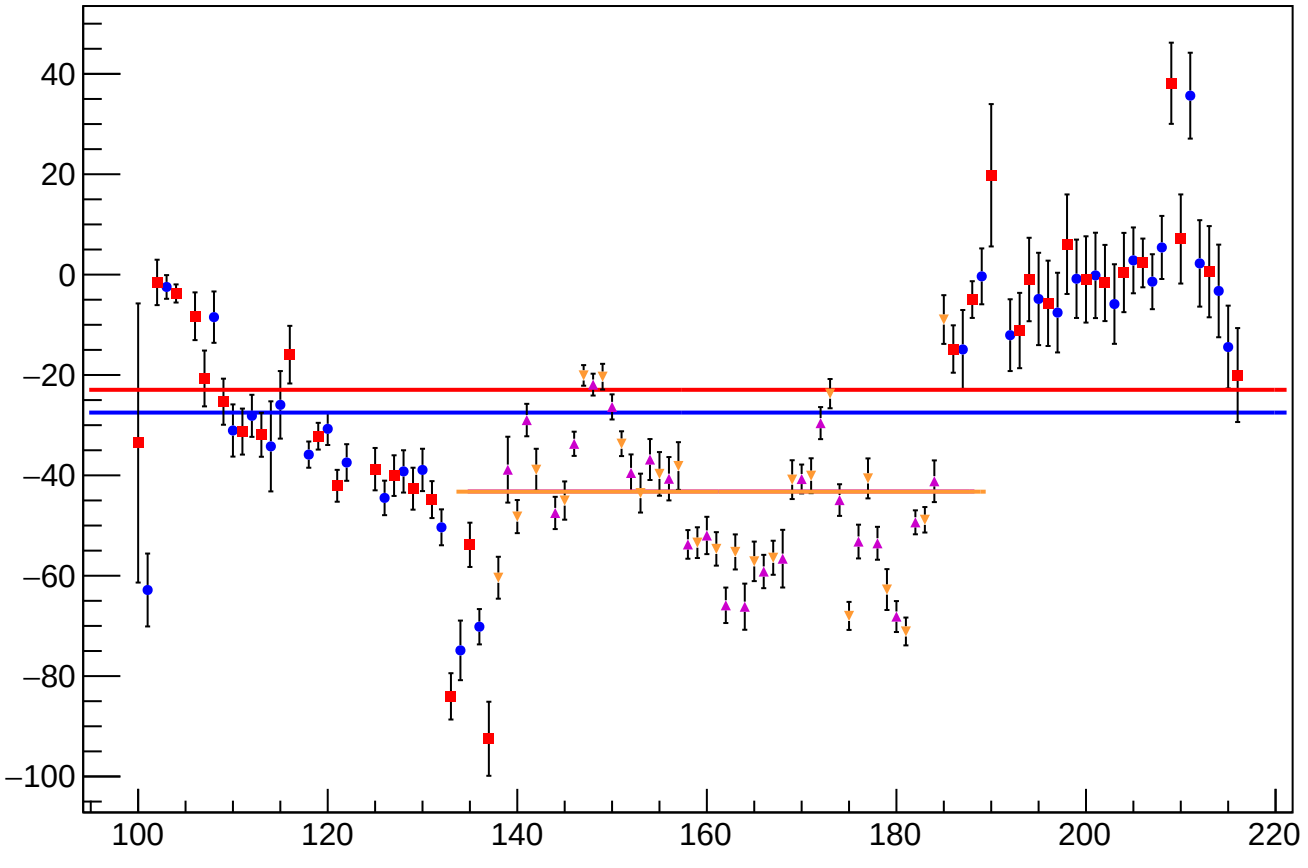
Right: -8.963+/-0.498 χ^2/NDF: 897.5/63

In: -4.818+/-0.460 χ^2/NDF:1004.6/53

Out: -5.714+/-0.439 χ^2/NDF:1200.7/56

All: -5.287+/-0.317 χ^2/NDF: 2207.3/110


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
220
Right In: -146.994+/-0.660 χ²/NDF: 17990.8/30
Left Out: -166.912+/-0.771 χ²/NDF:3096.2/23
Right Out: -154.250+/-0.601 χ²/NDF: 24544.1/32
Left In: -168.810+/-0.772 χ²/NDF:3059.5/22
Left: -167.859+/-0.546 χ²/NDF: 6158.8/46
Right: -150.960+/-0.444 χ²/NDF: 42600.9/63
In: -156.199+/-0.502 χ²/NDF:21511.4/53
Out: -159.038+/-0.474 χ²/NDF:27808.1/56
All: -157.699+/-0.345 χ²/NDF: 49336.4/110



Right In: -27.491+/-0.862 χ^2/NDF: 680.8/30

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -22.954+/-0.806 χ^2/NDF: 789.2/32

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

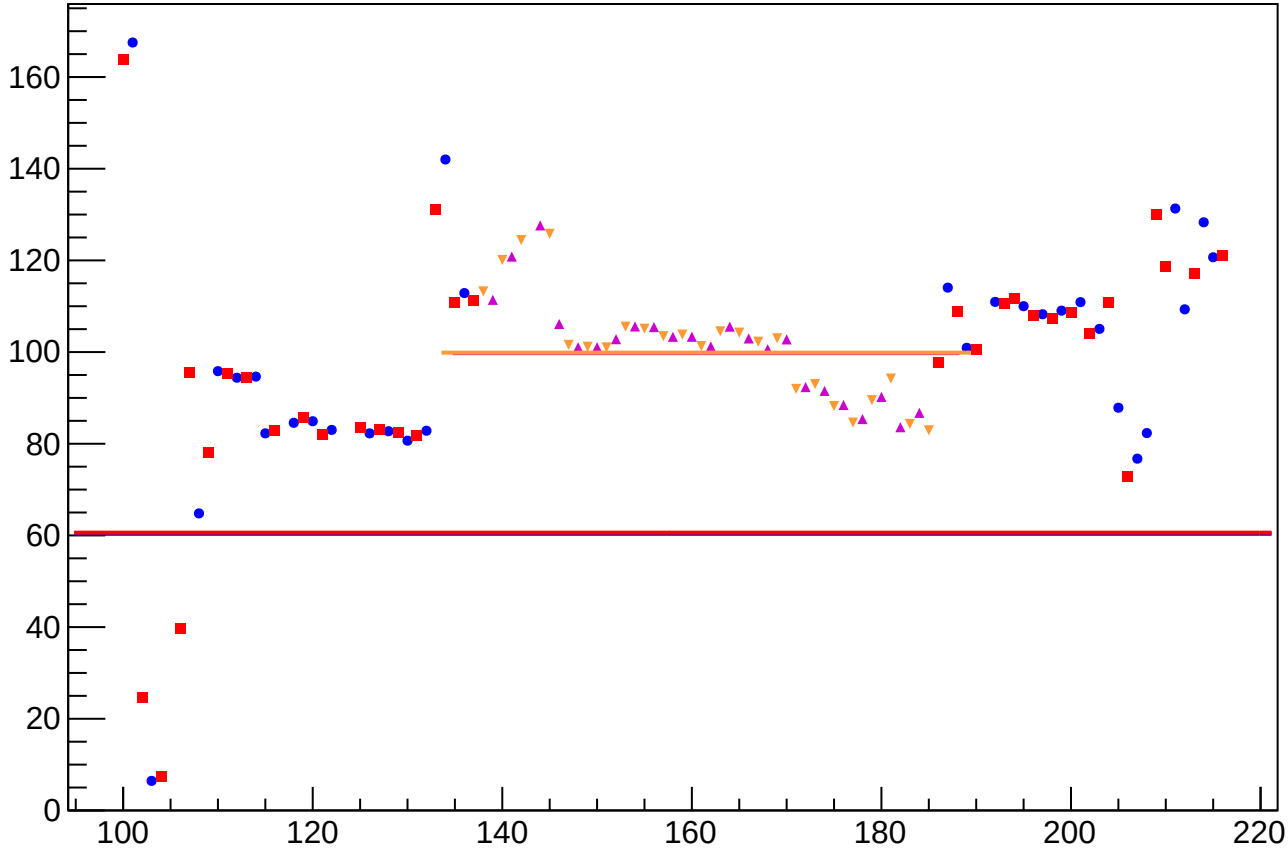
Right: -25.071+/-0.589 χ^2/NDF: 1484.7/63

In: -37.291+/-0.529 χ^2/NDF:1293.8/53

Out: -35.050+/-0.513 χ^2/NDF:1776.8/56

All: -36.135+/-0.368 χ^2/NDF: 3079.8/110

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: 60.605+/-0.038 χ^2/NDF: 1374788.6/32

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

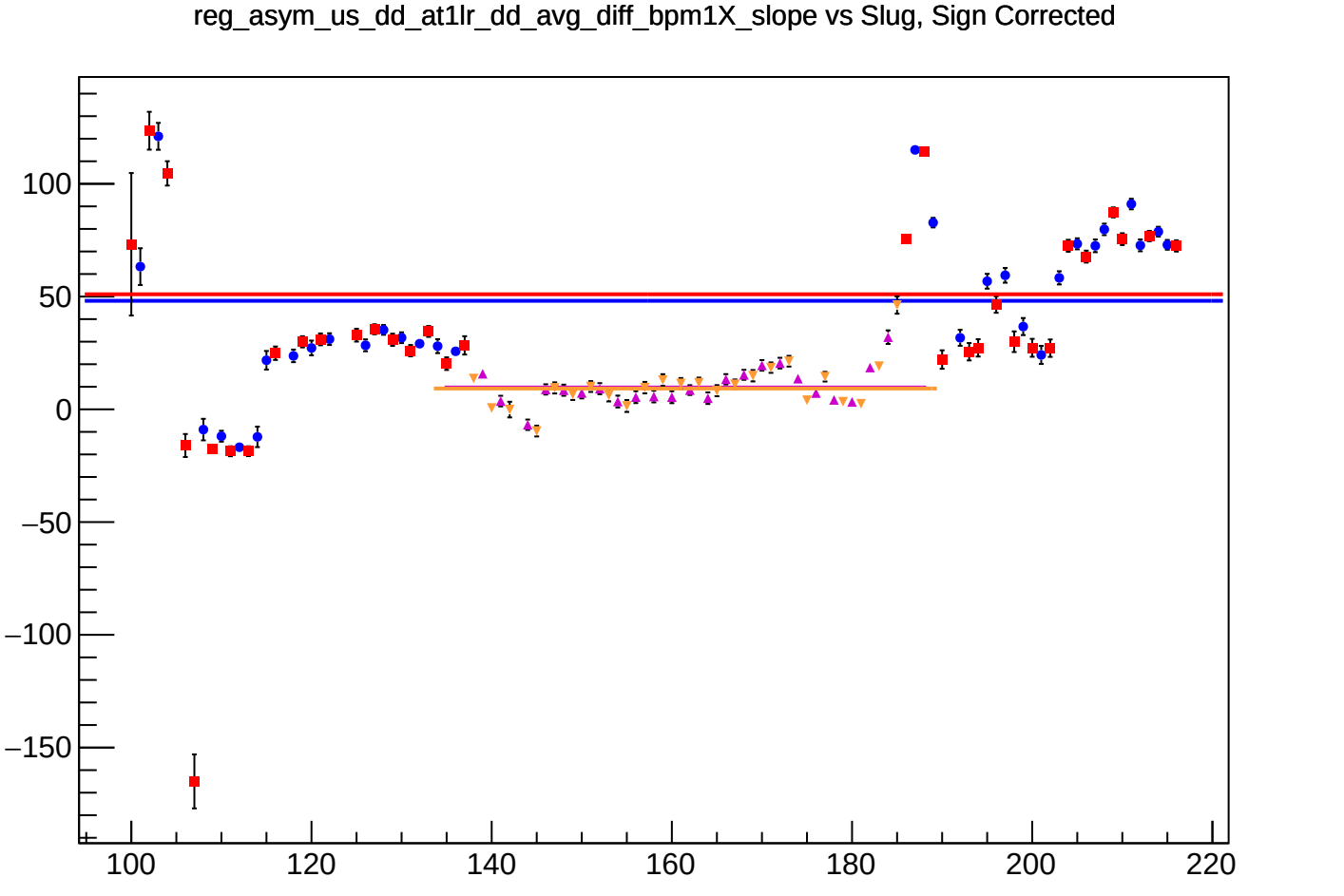
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 60.485+/-0.027 χ^2/NDF: 2963550.3/63

In: 84.408+/-0.024 χ^2/NDF:2350744.1/53

Out: 84.336+/-0.024 χ^2/NDF:2143347.2/56

All: 84.372+/-0.017 χ^2/NDF: 4494095.9/110



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: 51.021+/-0.452 χ^2/NDF: 8649.6/32

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

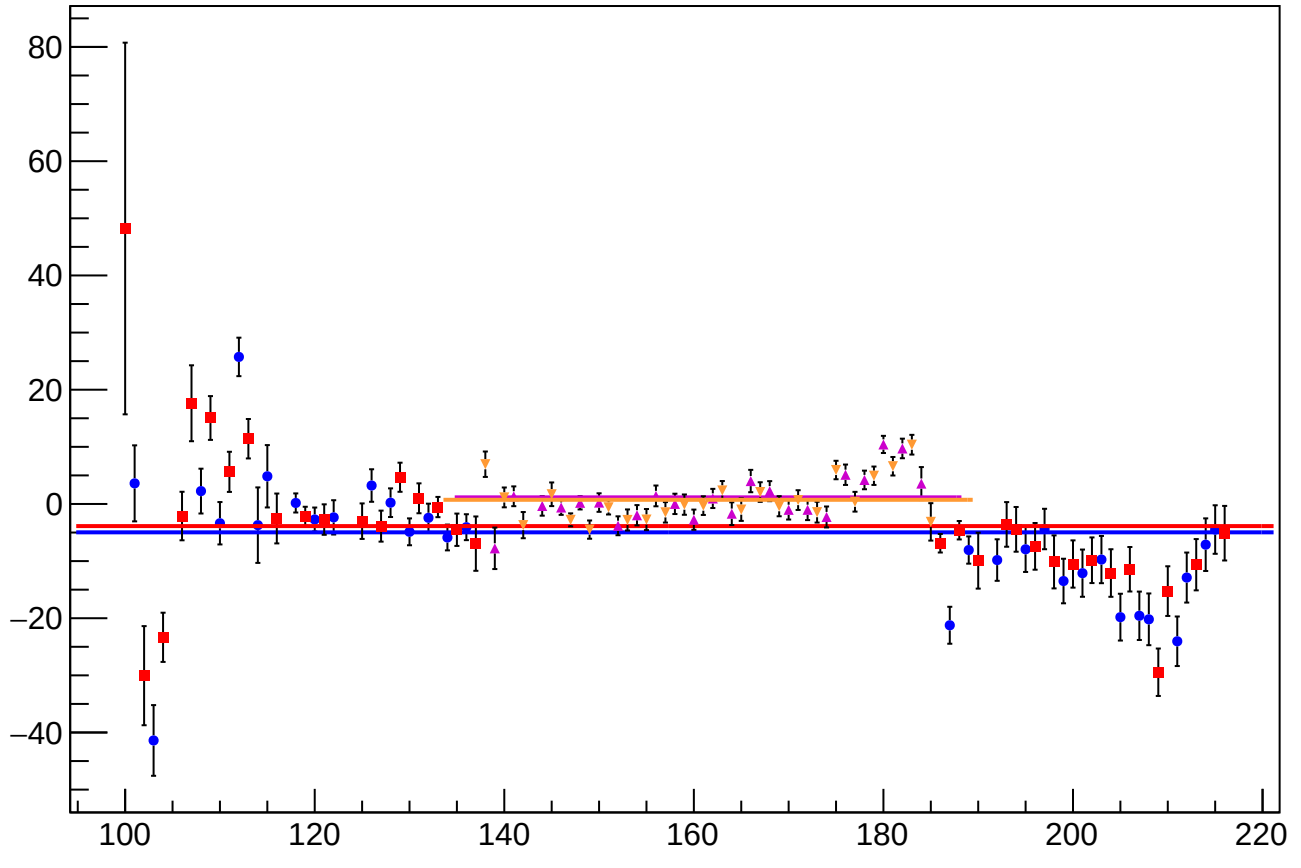
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 49.666+/-0.330 χ^2/NDF: 13965.7/63

In: 28.101+/-0.334 χ^2/NDF:8857.3/53

Out: 30.320+/-0.321 χ^2/NDF:13208.5/56

All: 29.253+/-0.231 χ^2/NDF: 22088.7/110



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: -3.872+/-0.538 χ^2/NDF: 181.6/32

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

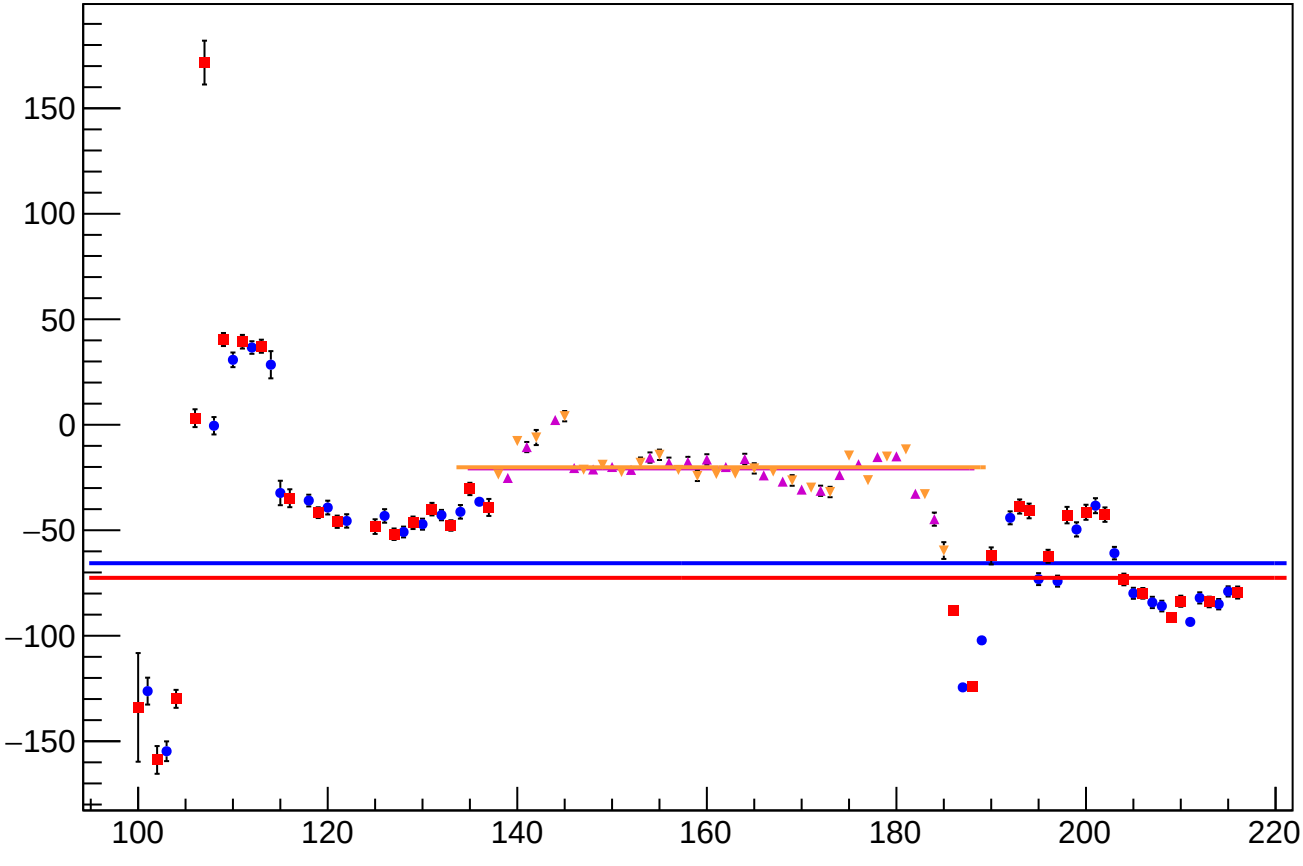
Right: -4.389+/-0.391 χ^2/NDF: 432.9/63

In: -0.578+/-0.303 χ^2/NDF:442.8/53

Out: -0.636+/-0.293 χ^2/NDF:342.8/56

All: -0.608+/-0.211 χ^2/NDF: 785.7/110

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: -72.556+/-0.444 χ^2/NDF: 9787.8/32

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

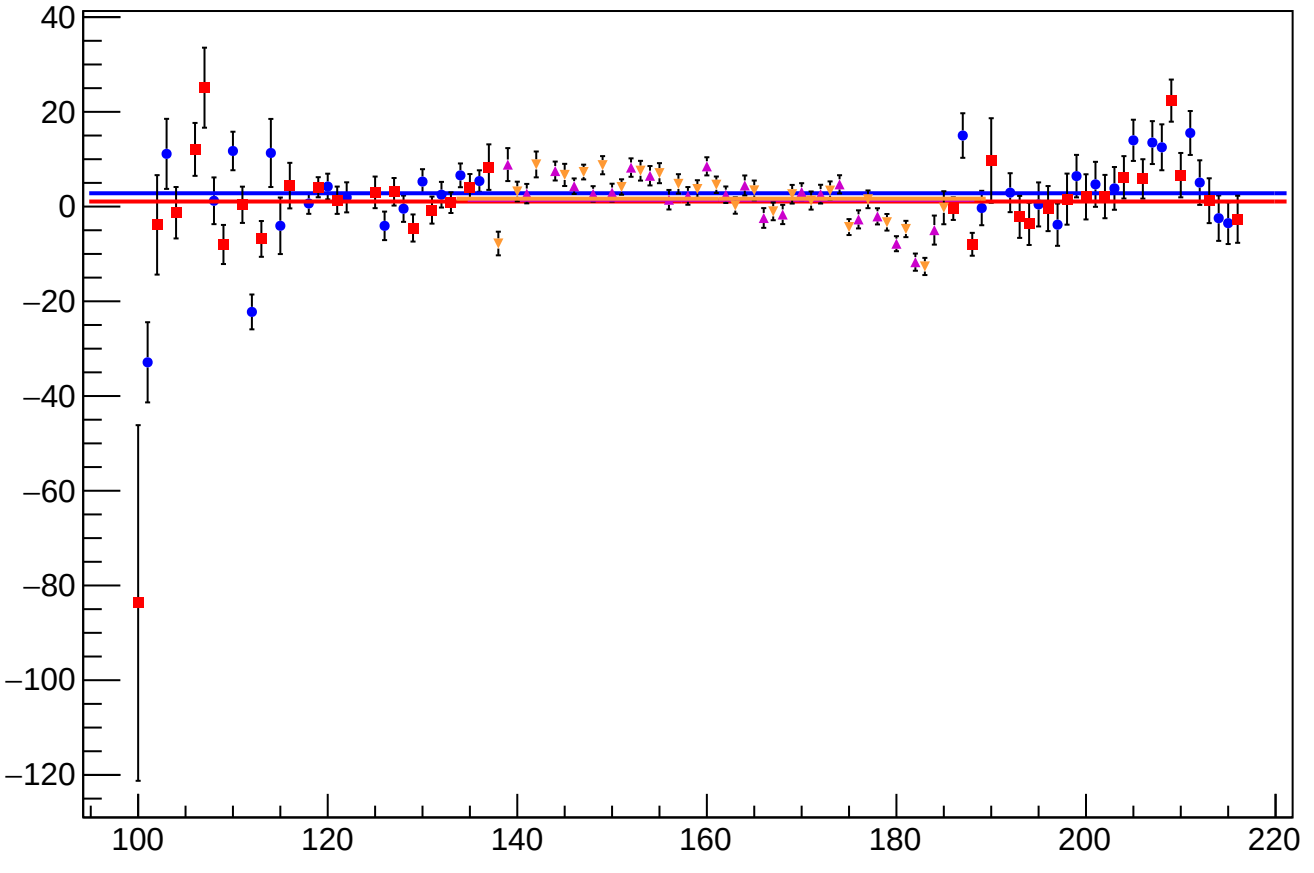
Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

Right: -69.473+/-0.331 χ^2/NDF: 15799.9/63

In: -41.354+/-0.336 χ^2/NDF:10649.4/53

Out: -46.872+/-0.317 χ^2/NDF:17049.2/56

All: -44.278+/-0.231 χ^2/NDF: 27841.3/110



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: 1.067+/-0.643 χ^2/NDF: 82.3/32

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

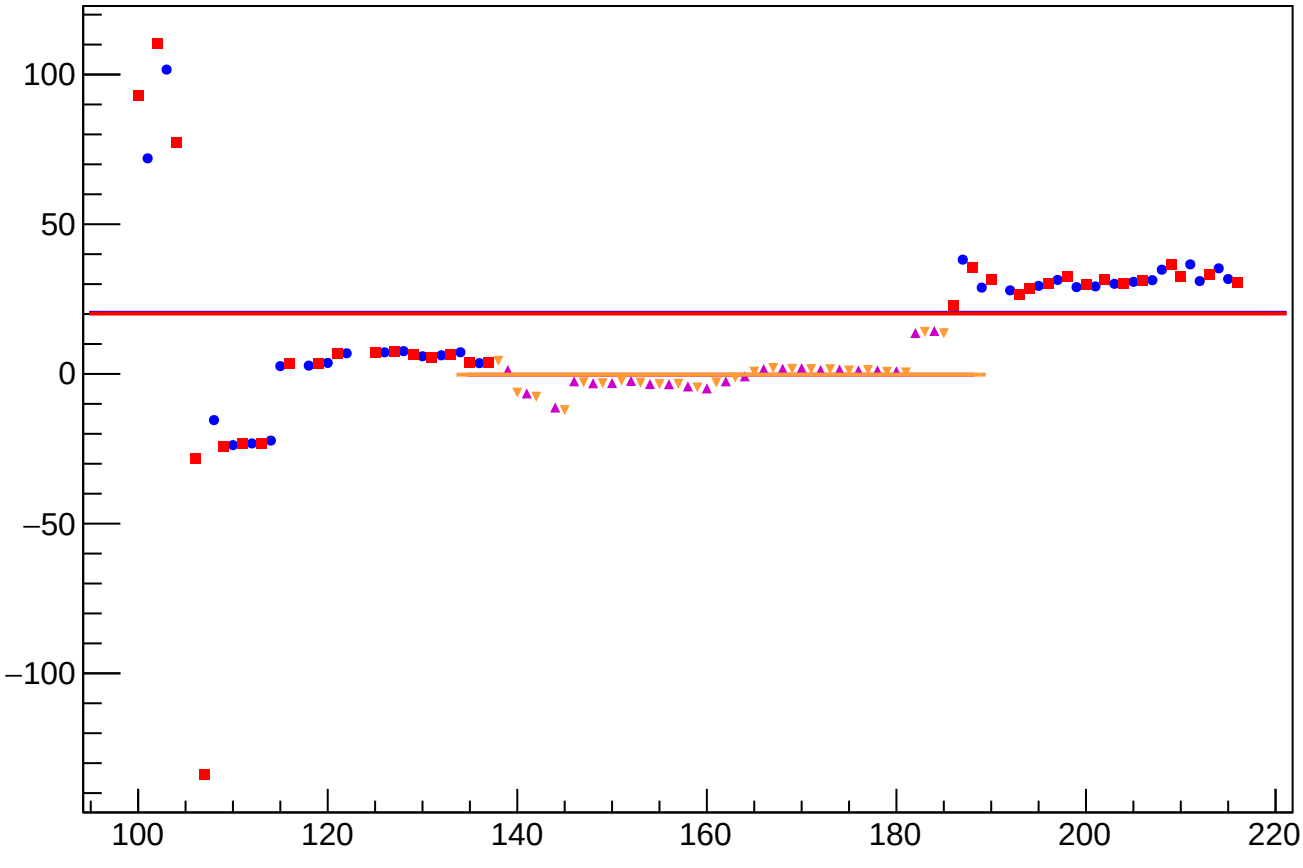
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.922+/-0.459 χ^2/NDF: 209.4/63

In: 1.806+/-0.343 χ^2/NDF:289.5/53

Out: 1.505+/-0.336 χ^2/NDF:260.9/56

All: 1.653+/-0.240 χ^2/NDF: 550.8/110



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: 20.182+/-0.033 χ^2/NDF: 603904.8/32

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

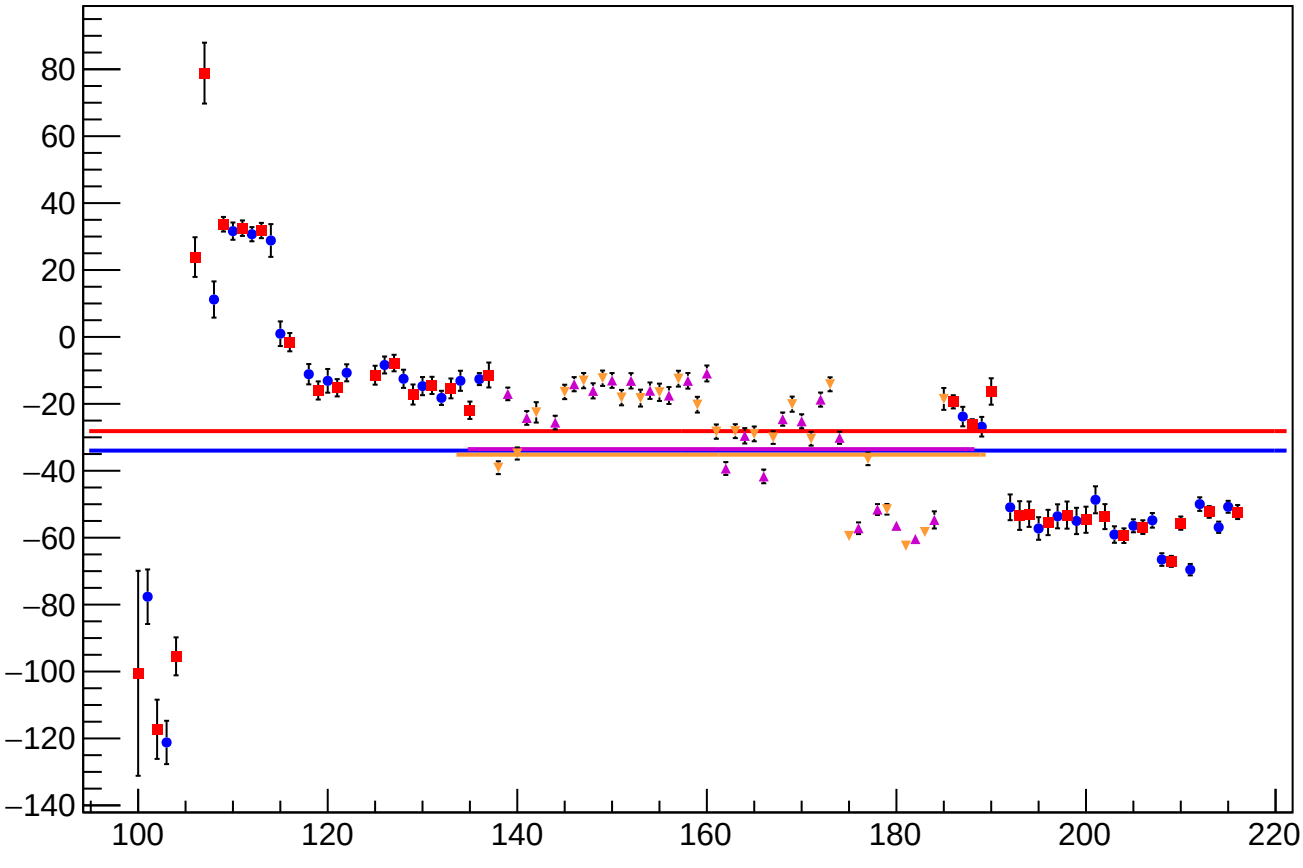
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 20.302+/-0.023 χ^2/NDF: 1038821.7/63

In: 4.449+/-0.016 χ^2/NDF:817986.2/53

Out: 4.361+/-0.016 χ^2/NDF:986048.9/56

All: 4.405+/-0.011 χ^2/NDF: 1804051.1/110



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: -28.152+/-0.462 χ^2/NDF: 4743.6/32

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

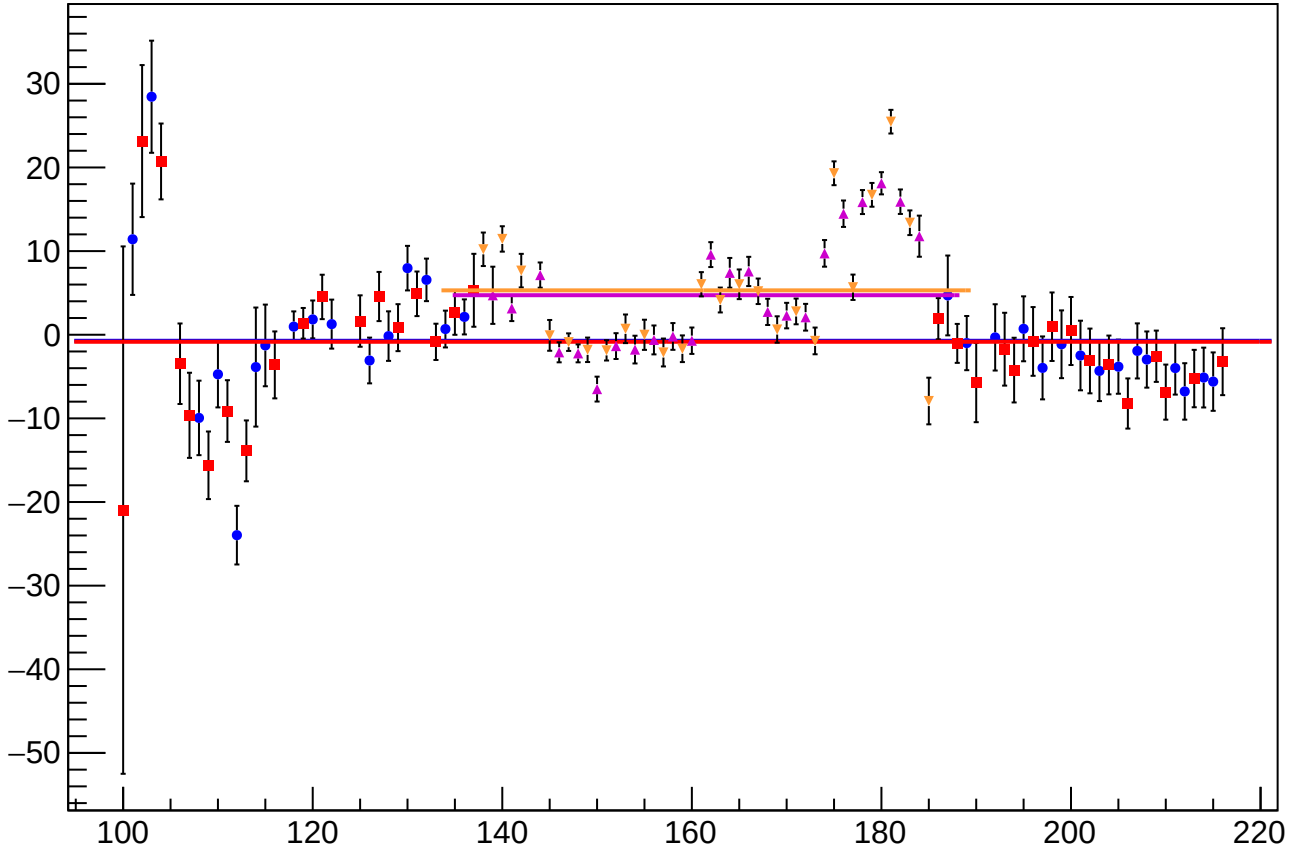
Right: -31.079+/-0.326 χ^2/NDF: 9121.0/63

In: -33.728+/-0.307 χ^2/NDF:6104.2/53

Out: -32.110+/-0.306 χ^2/NDF:6725.1/56

All: -32.915+/-0.217 χ^2/NDF: 12843.3/110

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.723+/-0.572 χ^2/NDF: 108.8/30

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.840+/-0.572 χ^2/NDF: 99.4/32

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

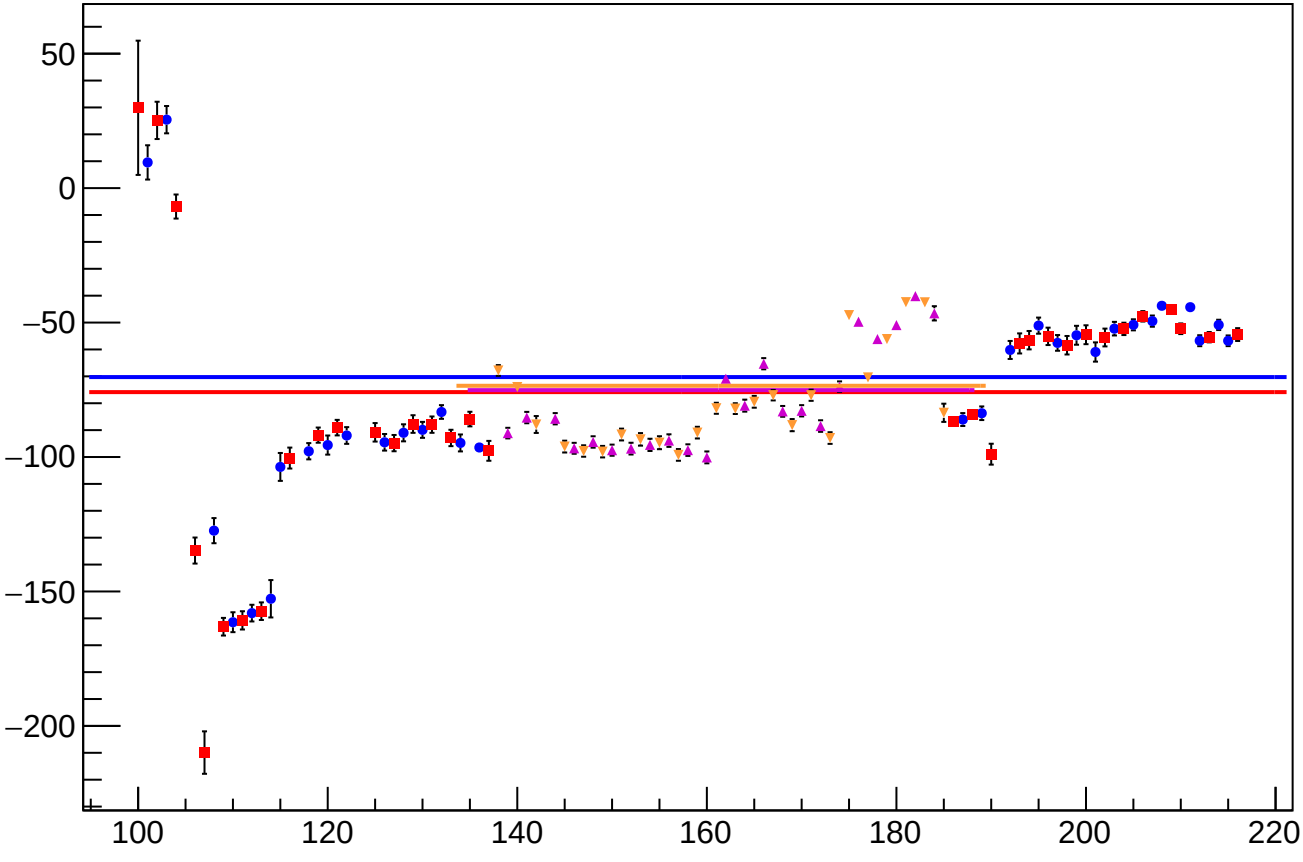
Right: -0.781+/-0.405 χ^2/NDF: 208.2/63

In: 3.422+/-0.280 χ^2/NDF:673.7/53

Out: 3.878+/-0.276 χ^2/NDF:812.3/56

All: 3.654+/-0.197 χ^2/NDF: 1487.3/110

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: -75.864+/-0.472 χ^2/NDF: 4431.5/32

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

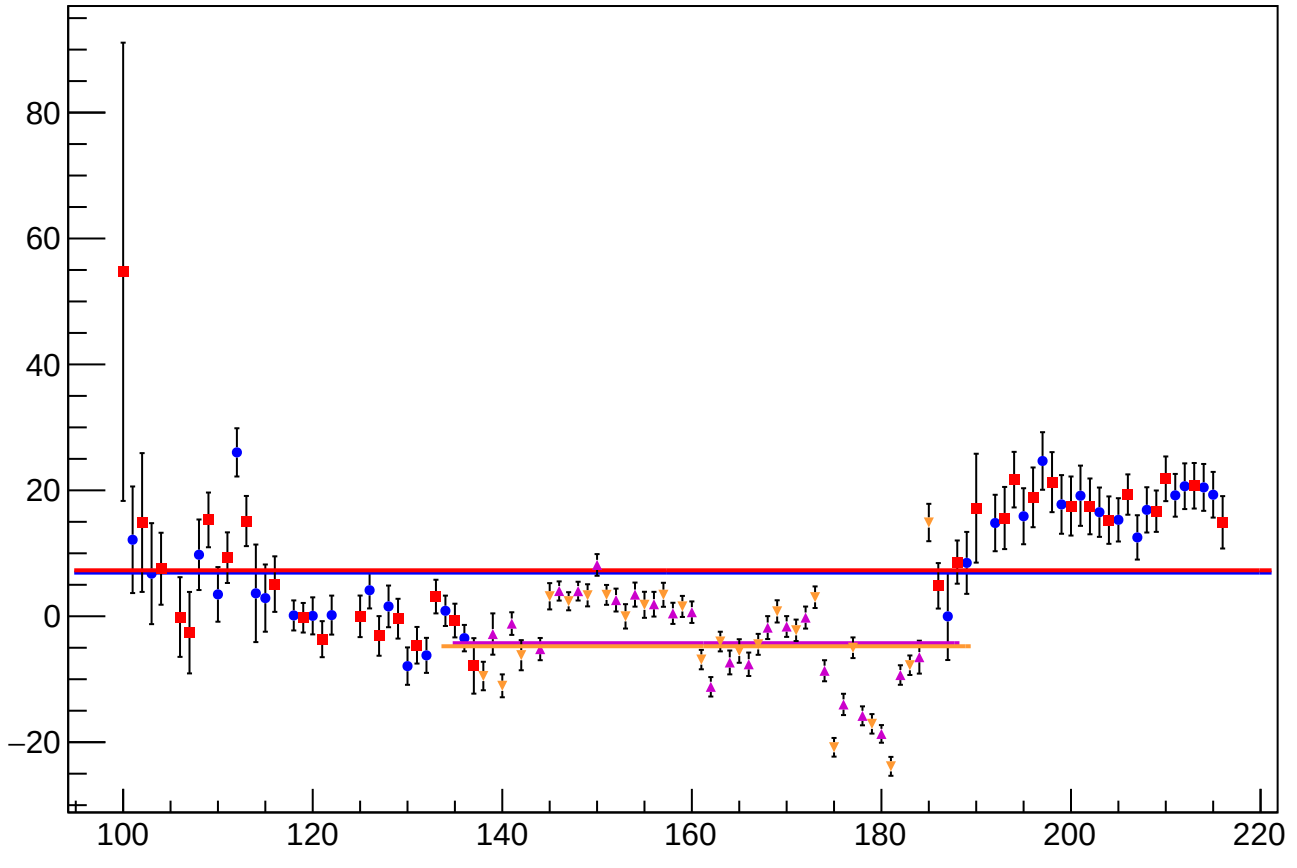
Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

Right: -73.115+/-0.337 χ^2/NDF: 8408.5/63

In: -73.084+/-0.312 χ^2/NDF:6329.3/53

Out: -74.506+/-0.308 χ^2/NDF:6837.8/56

All: -73.805+/-0.219 χ^2/NDF: 13177.6/110



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: 7.301+/-0.661 χ^2/NDF: 200.9/32

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

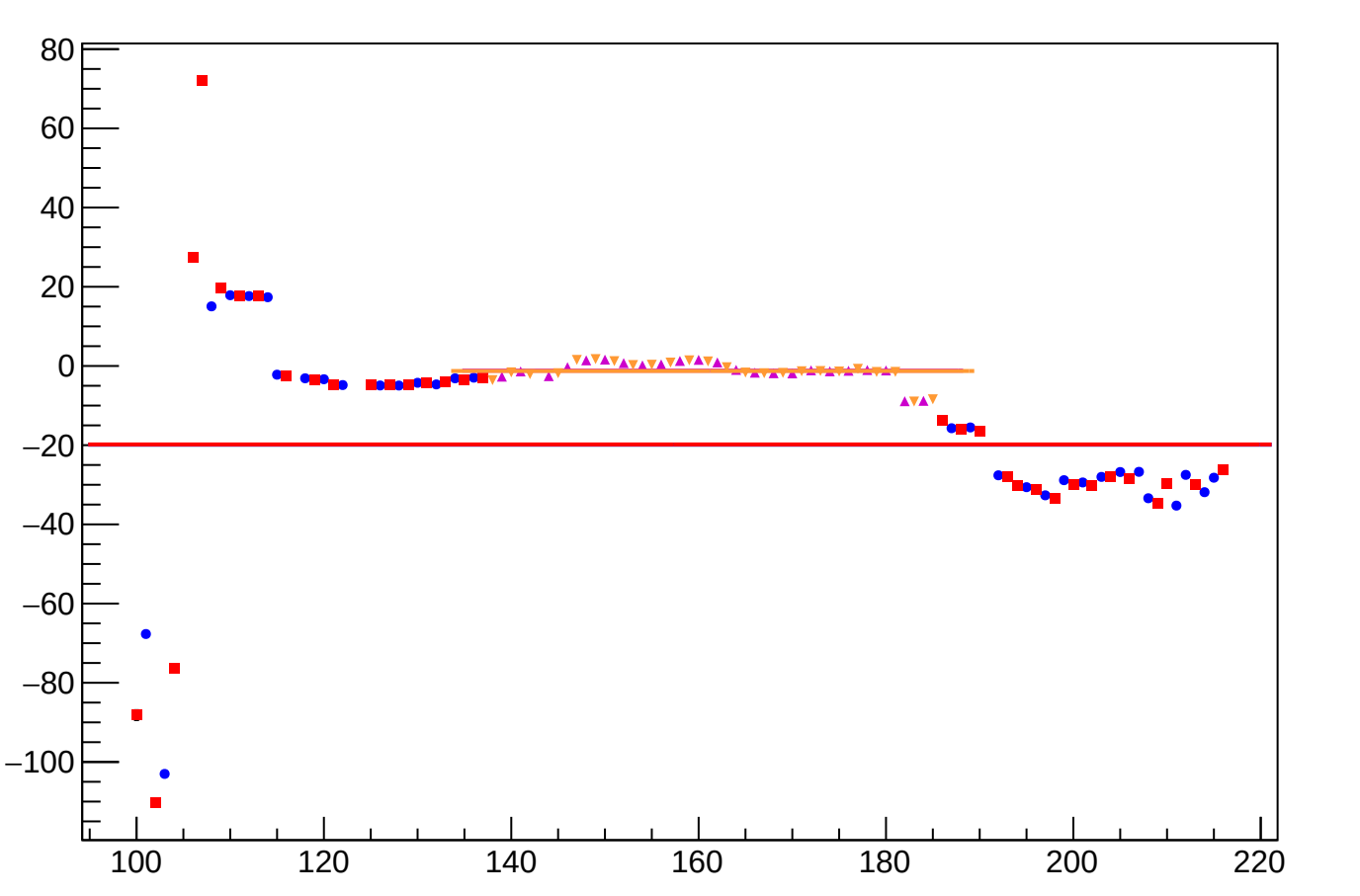
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 7.113+/-0.462 χ^2/NDF: 437.6/63

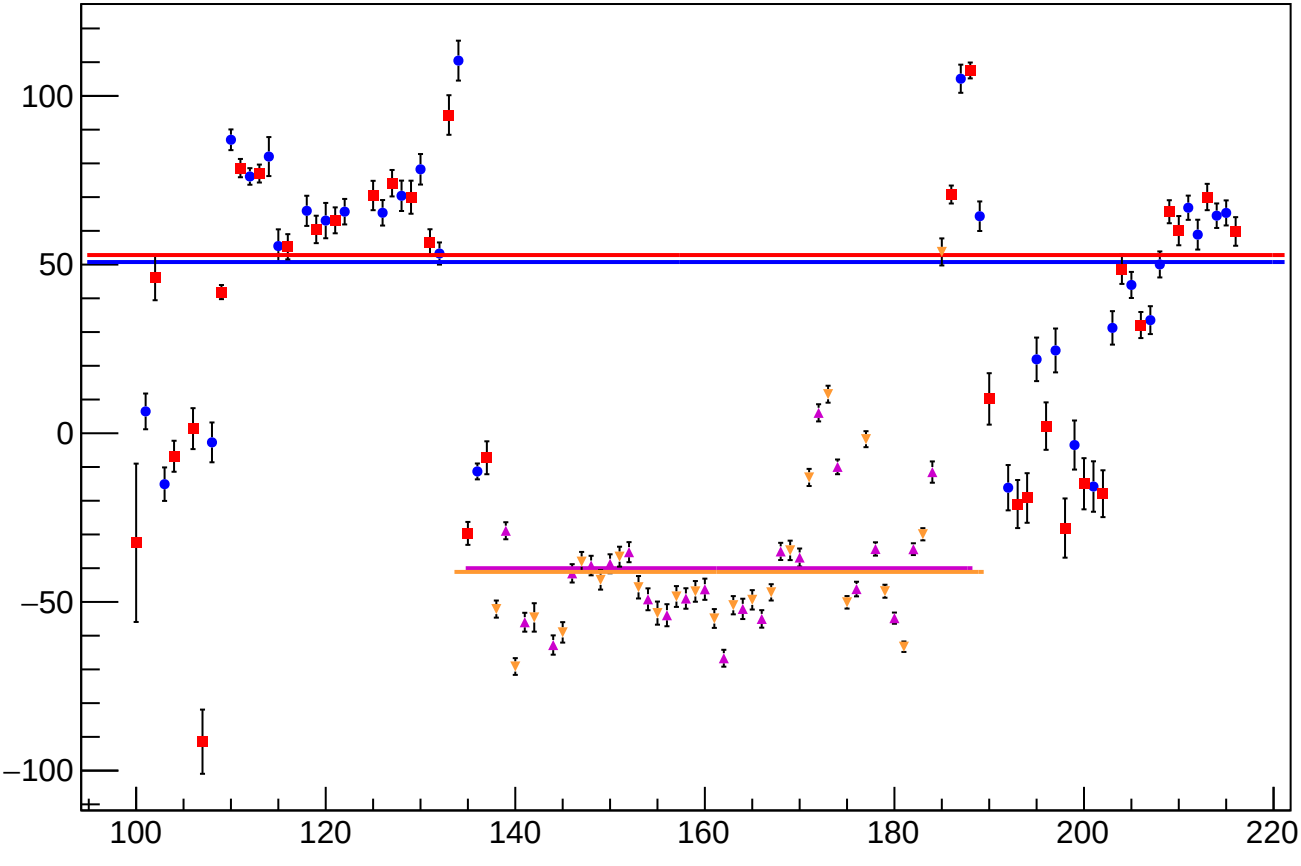
In: -1.607+/-0.315 χ^2/NDF:890.6/53

Out: -2.063+/-0.313 χ^2/NDF:1036.5/56

All: -1.837+/-0.222 χ^2/NDF: 1928.1/110


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: -19.814+/-0.032 χ²/NDF: 481885.8/32
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.224+/-0.011 χ²/NDF: 49860.2/46
Right: -19.849+/-0.022 χ²/NDF: 878143.1/63
In: -5.065+/-0.014 χ²/NDF:706451.7/53
Out: -4.902+/-0.014 χ²/NDF:774869.1/56
All: -4.984+/-0.010 χ²/NDF: 1481386.3/110

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 52.829+/-0.703 χ^2/NDF: 2755.7/32

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

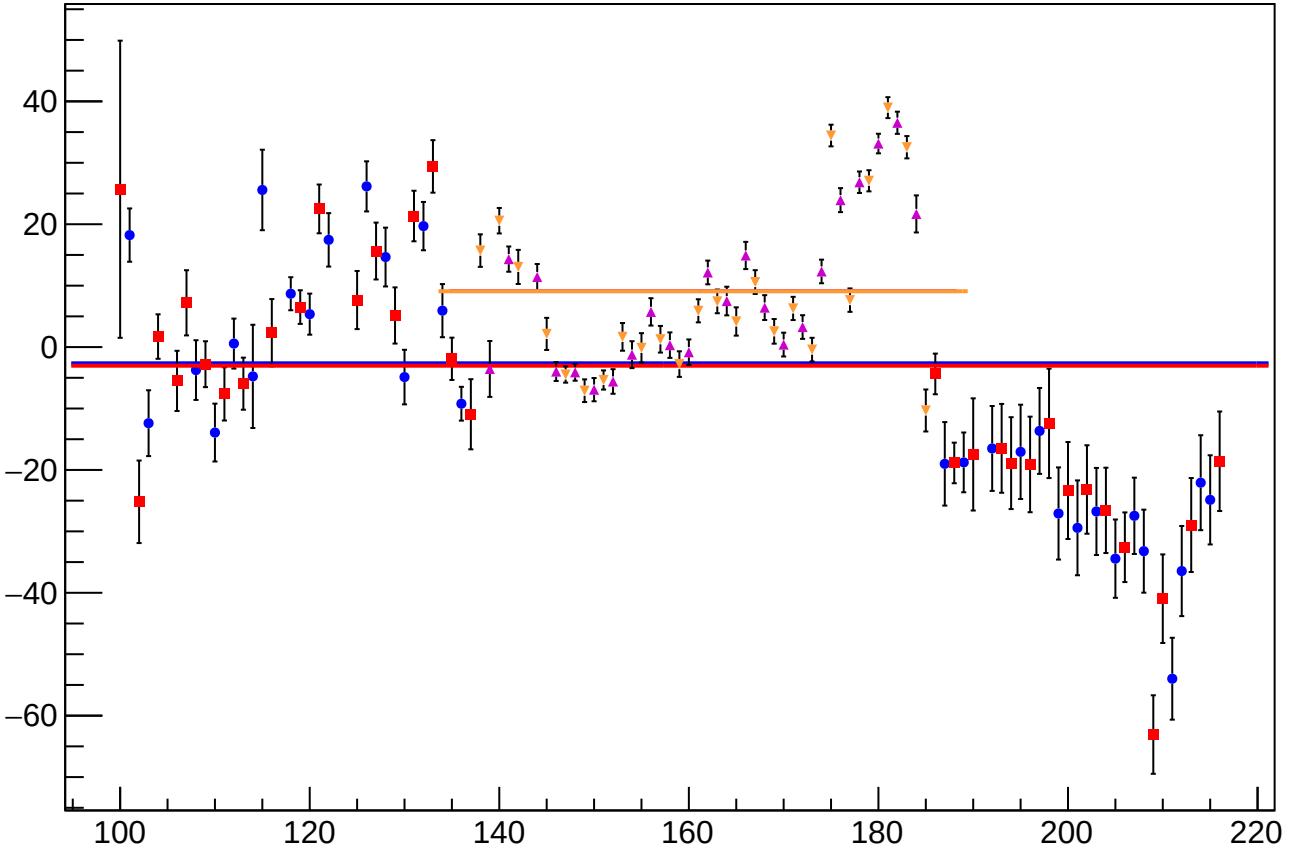
Right: 51.854+/-0.511 χ^2/NDF: 4801.8/63

In: -9.965+/-0.429 χ^2/NDF:12990.6/53

Out: -8.093+/-0.417 χ^2/NDF:16285.4/56

All: -9.002+/-0.299 χ^2/NDF: 29285.9/110

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -3.030+/-0.851 χ^2/NDF: 416.6/32

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

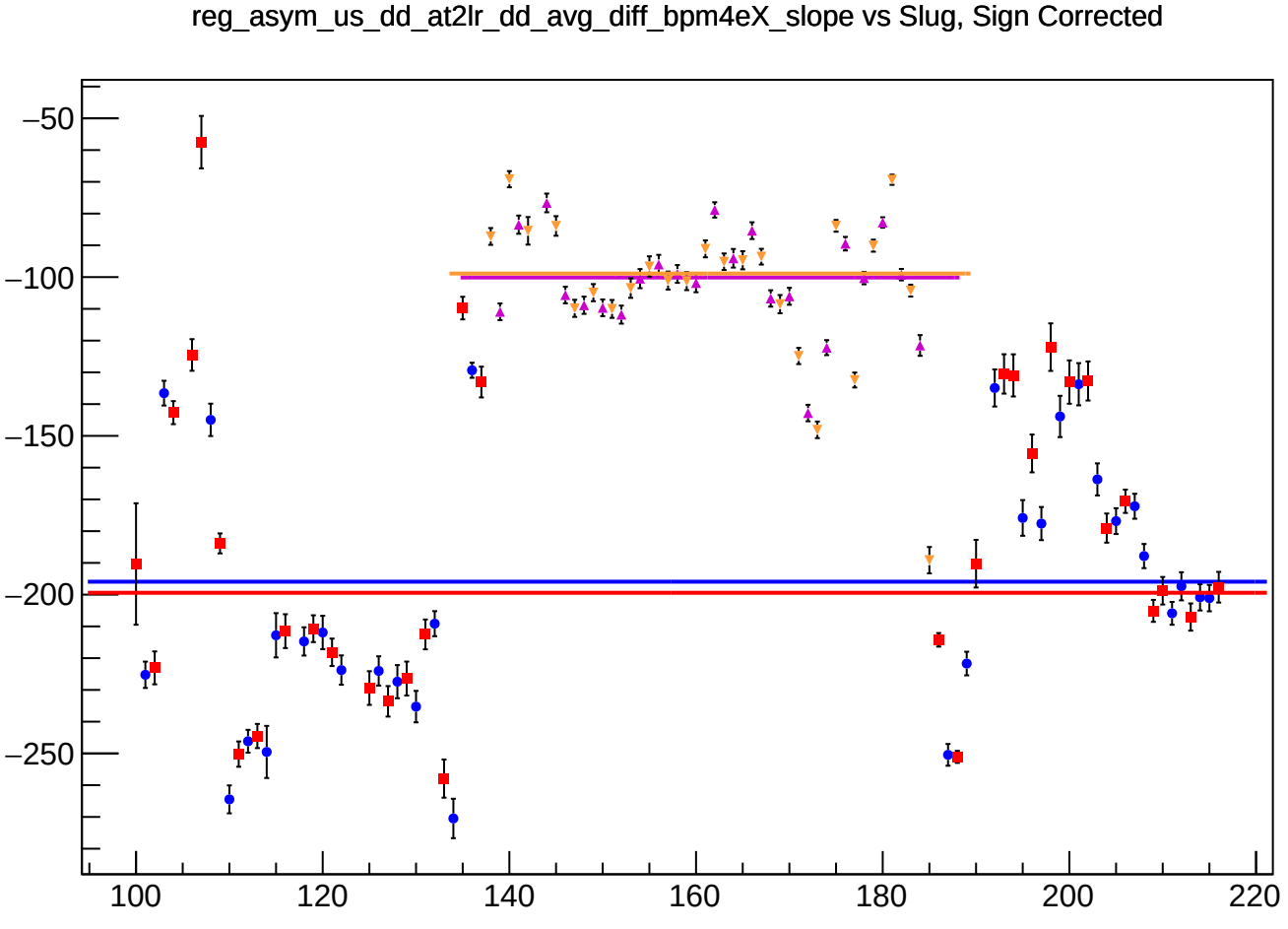
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: -2.843+/-0.613 χ^2/NDF: 836.8/63

In: 7.041+/-0.371 χ^2/NDF:1618.2/53

Out: 6.889+/-0.363 χ^2/NDF:1836.3/56

All: 6.963+/-0.259 χ^2/NDF: 3454.6/110



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: -199.411+/-0.731 χ^2/NDF: 3664.0/32

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

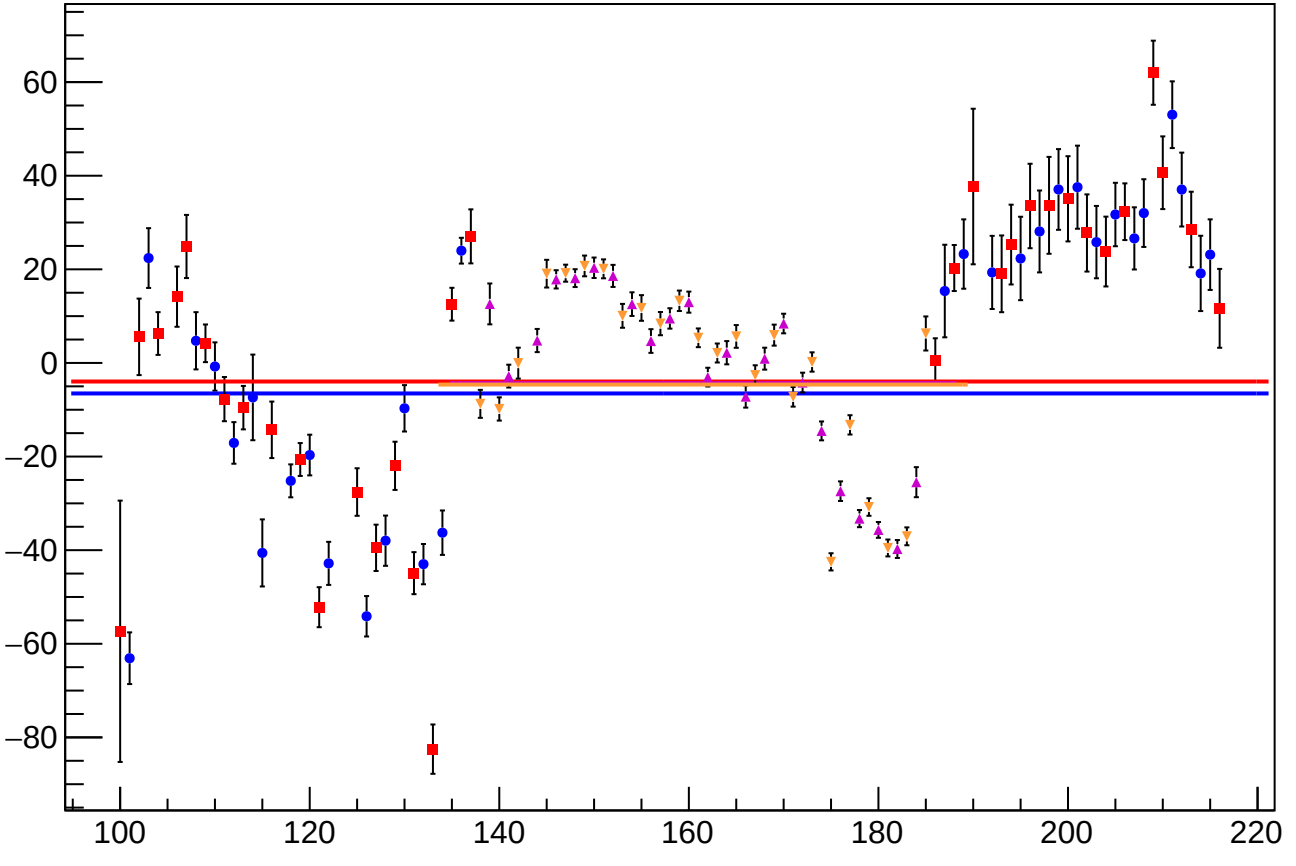
Right: -197.786+/-0.534 χ^2/NDF: 6384.4/63

In: -129.455+/-0.433 χ^2/NDF:13919.8/53

Out: -132.156+/-0.421 χ^2/NDF:18142.0/56

All: -130.846+/-0.302 χ^2/NDF: 32081.9/110

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: -3.969+/-0.991 χ^2/NDF: 946.9/32

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

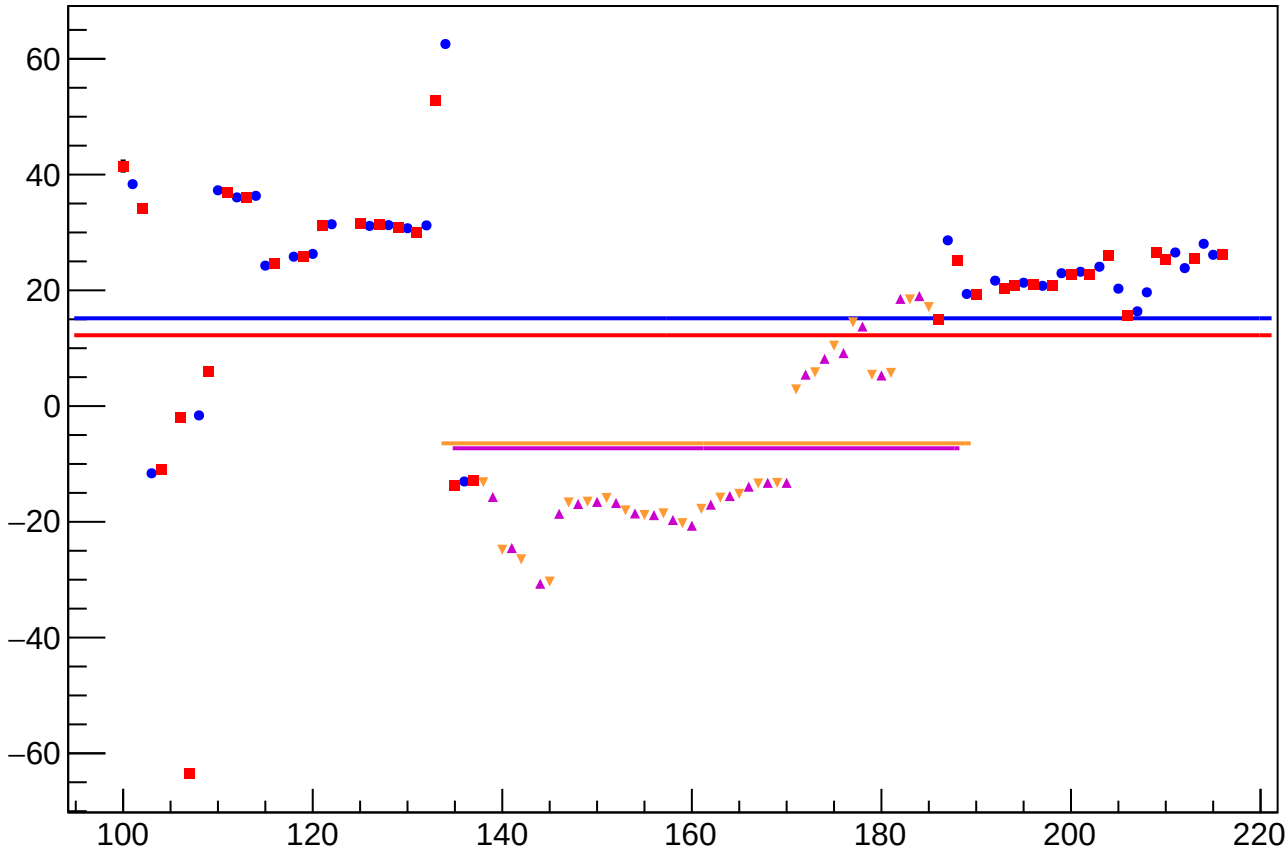
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -5.226+/-0.706 χ^2/NDF: 1935.0/63

In: -4.706+/-0.417 χ^2/NDF:2842.9/53

Out: -4.506+/-0.411 χ^2/NDF:3025.6/56

All: -4.604+/-0.293 χ^2/NDF: 5868.6/110



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: 12.238+/-0.049 χ^2/NDF: 183597.7/32

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

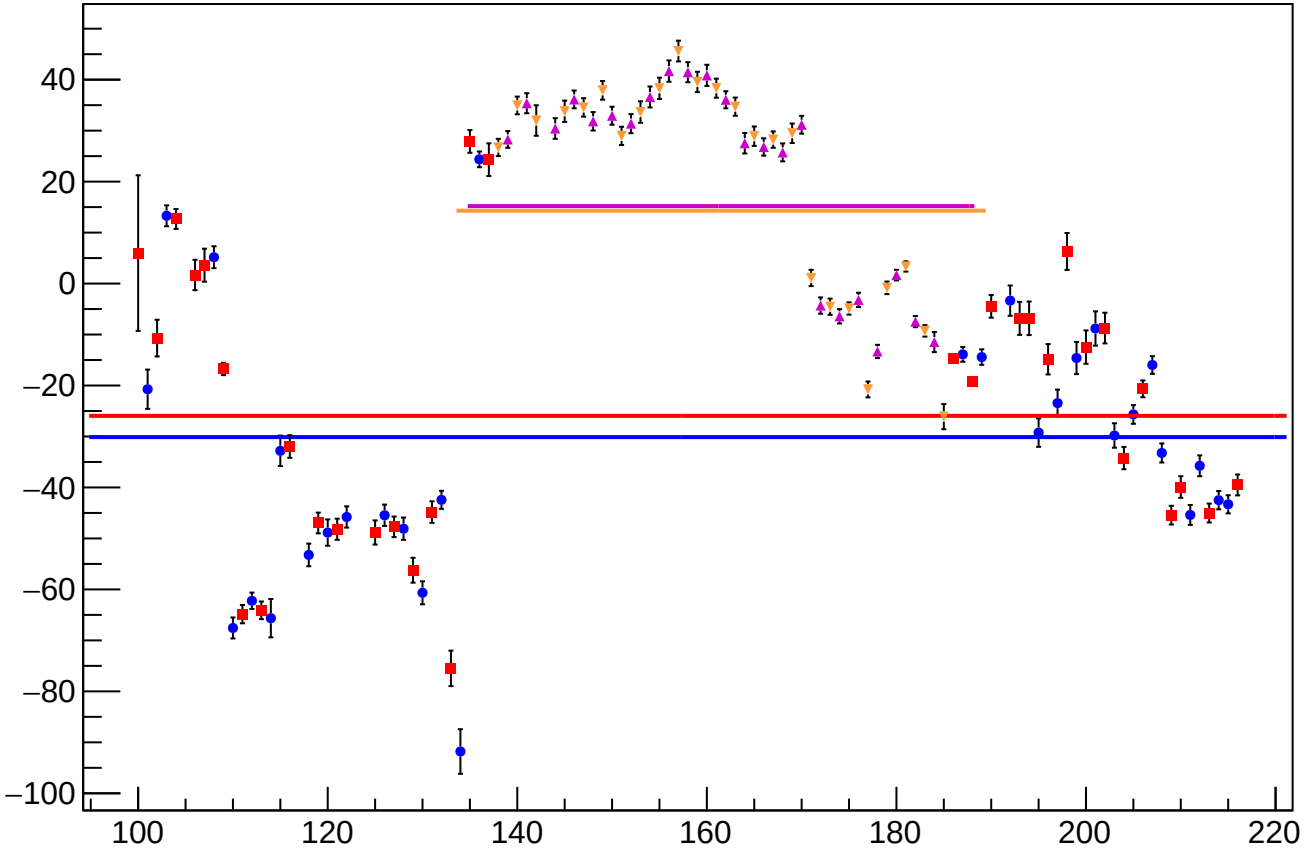
Right: 13.701+/-0.035 χ^2/NDF: 364485.2/63

In: -3.997+/-0.019 χ^2/NDF:846944.3/53

Out: -3.713+/-0.019 χ^2/NDF:805057.5/56

All: -3.854+/-0.013 χ^2/NDF: 1652116.6/110

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -25.947+/-0.339 χ^2/NDF: 4146.4/32

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

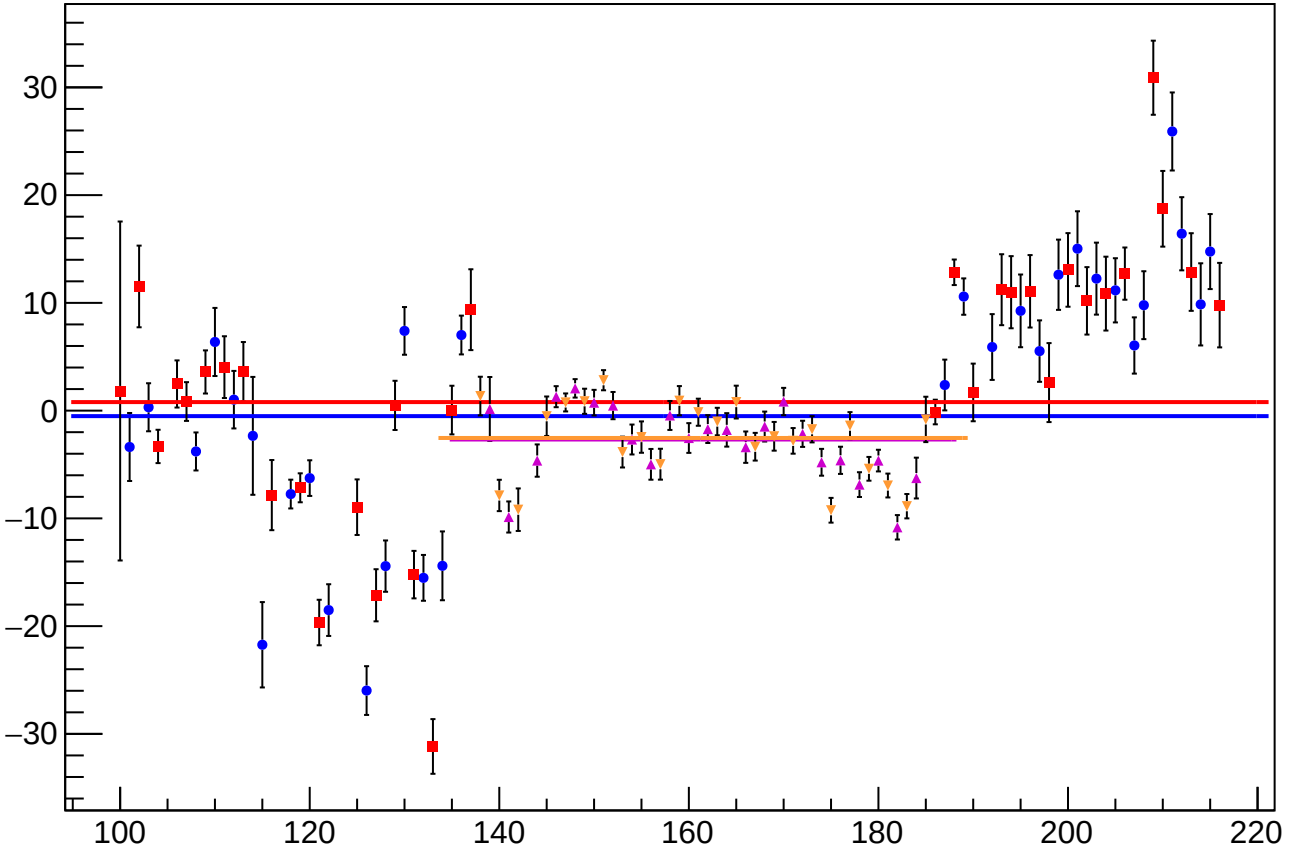
Right: -27.813+/-0.252 χ^2/NDF: 8404.7/63

In: -5.093+/-0.252 χ^2/NDF:15576.9/53

Out: -5.602+/-0.238 χ^2/NDF:14998.8/56

All: -5.362+/-0.173 χ^2/NDF: 30577.8/110

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.510+/-0.445 χ^2/NDF: 645.7/30

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.792+/-0.400 χ^2/NDF: 749.0/32

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

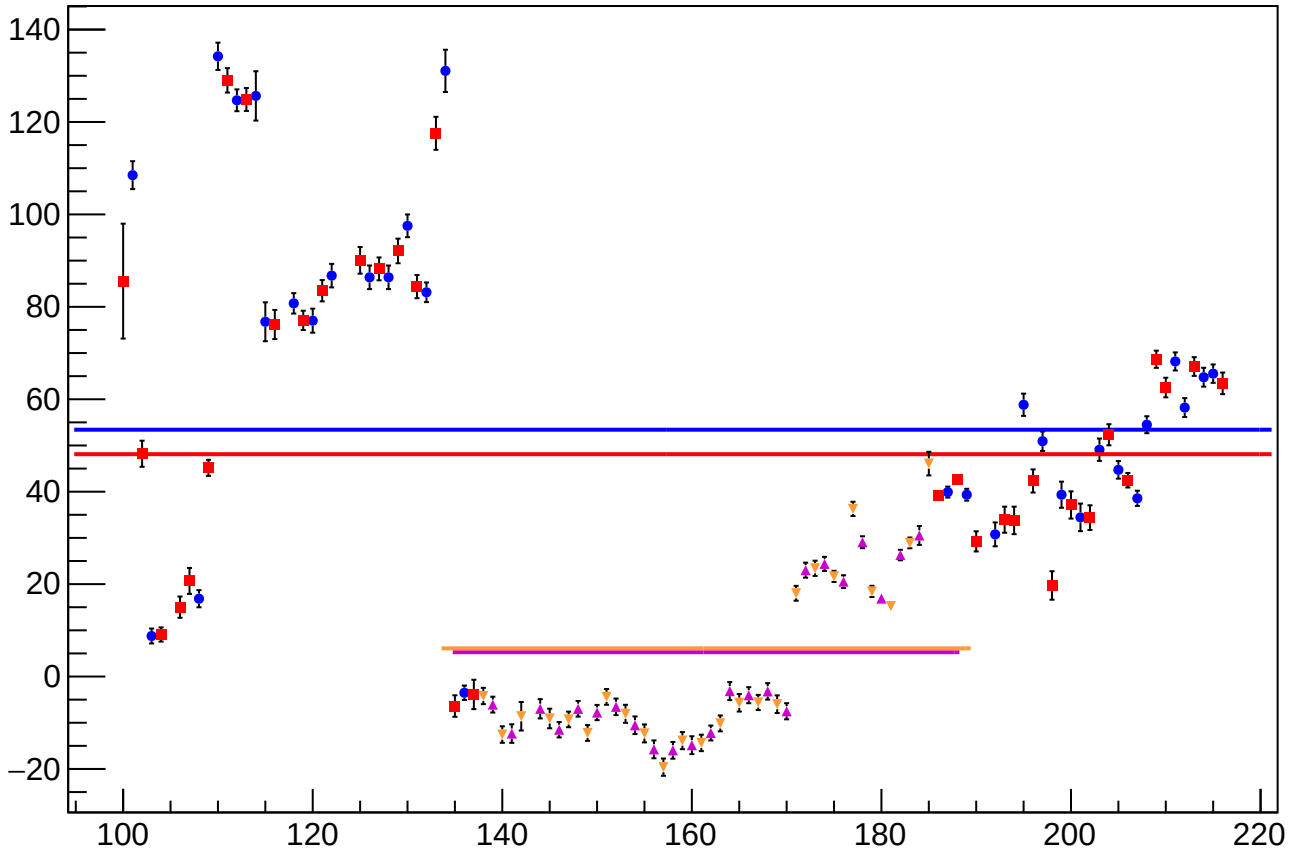
Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

Right: 0.209+/-0.298 χ^2/NDF: 1399.4/63

In: -2.113+/-0.228 χ^2/NDF:845.3/53

Out: -1.555+/-0.217 χ^2/NDF:996.1/56

All: -1.821+/-0.157 χ^2/NDF: 1844.6/110



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: 48.116+/-0.326 χ^2/NDF: 6290.1/32

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

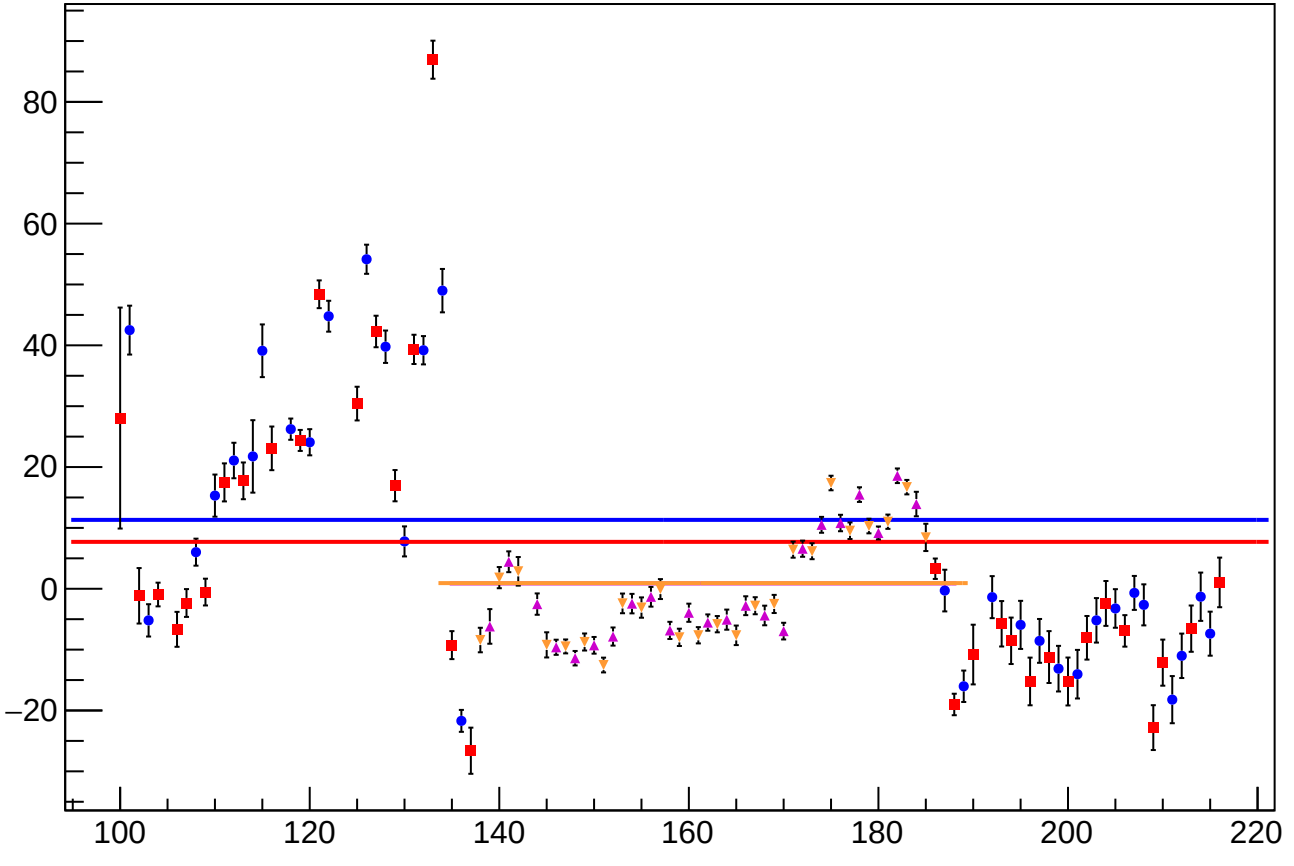
Right: 50.381+/-0.247 χ^2/NDF: 13283.6/63

In: 26.621+/-0.251 χ^2/NDF:18408.3/53

Out: 27.554+/-0.233 χ^2/NDF:17202.1/56

All: 27.122+/-0.171 χ^2/NDF: 35617.9/110

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.319+/-0.519 χ^2/NDF: 1950.1/30

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 7.707+/-0.486 χ^2/NDF: 2284.7/32

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

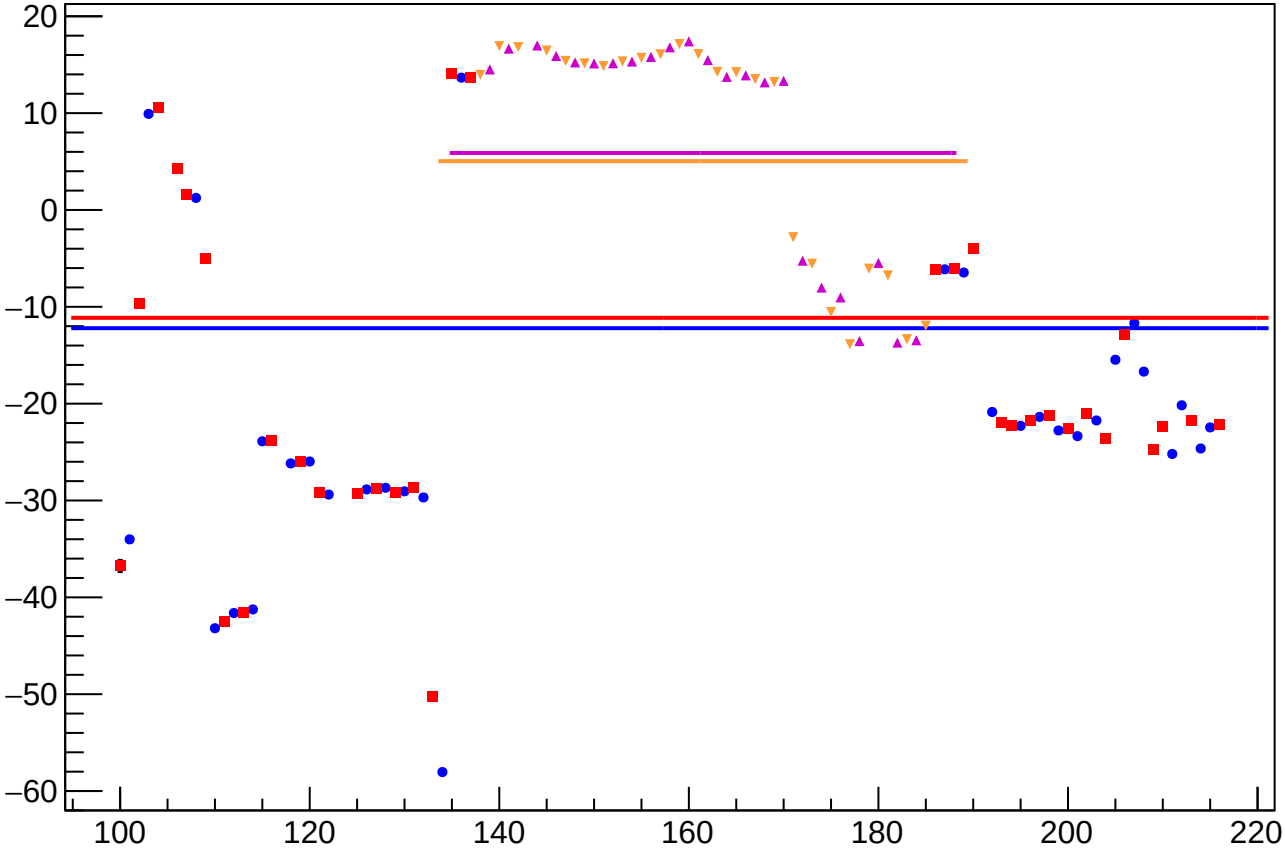
Right: 9.393+/-0.355 χ^2/NDF: 4260.6/63

In: 3.454+/-0.258 χ^2/NDF:3260.5/53

Out: 2.725+/-0.250 χ^2/NDF:3469.4/56

All: 3.078+/-0.180 χ^2/NDF: 6734.0/110

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: -11.135+/-0.023 χ^2/NDF: 424451.7/32

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

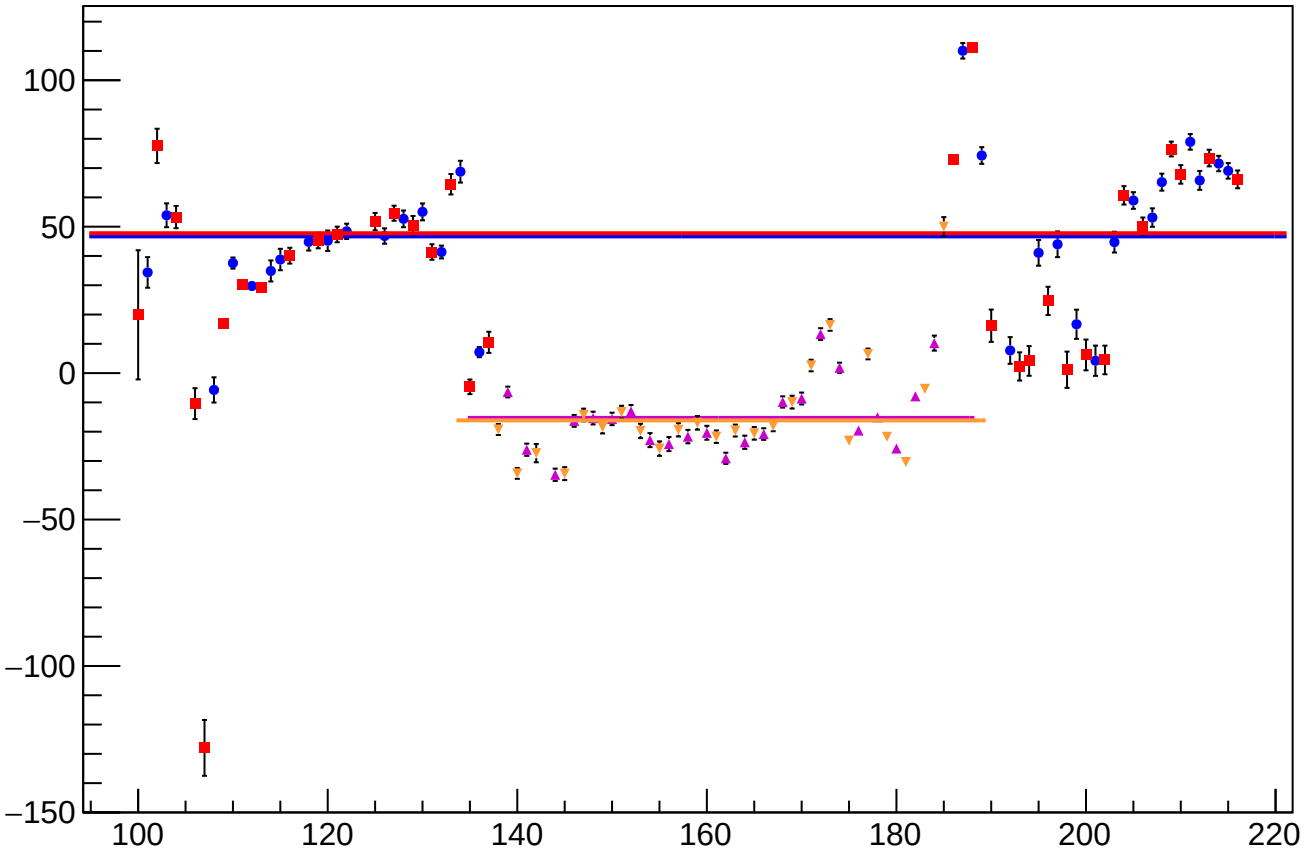
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.659+/-0.017 χ^2/NDF: 929532.5/63

In: 1.687+/-0.012 χ^2/NDF:1790015.6/53

Out: 1.198+/-0.011 χ^2/NDF:1644513.5/56

All: 1.440+/-0.008 χ^2/NDF: 3435437.6/110



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: 47.757+/-0.485 χ^2/NDF: 4418.7/32

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

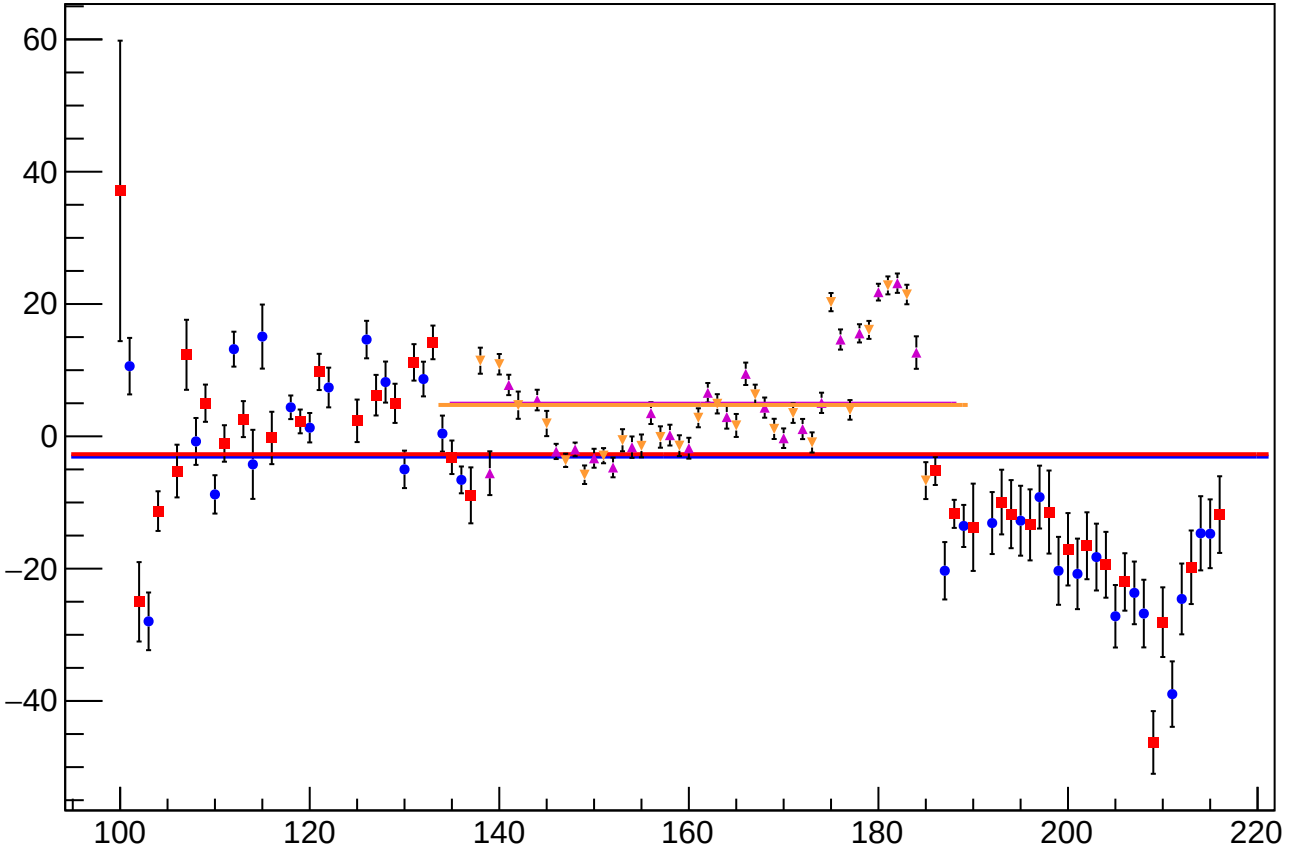
Right: 47.254+/-0.353 χ^2/NDF: 6545.9/63

In: 8.212+/-0.318 χ^2/NDF:11847.0/53

Out: 9.596+/-0.308 χ^2/NDF:16165.4/56

All: 8.926+/-0.221 χ^2/NDF: 28022.2/110

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: -2.702+/-0.590 χ^2/NDF: 361.9/32

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

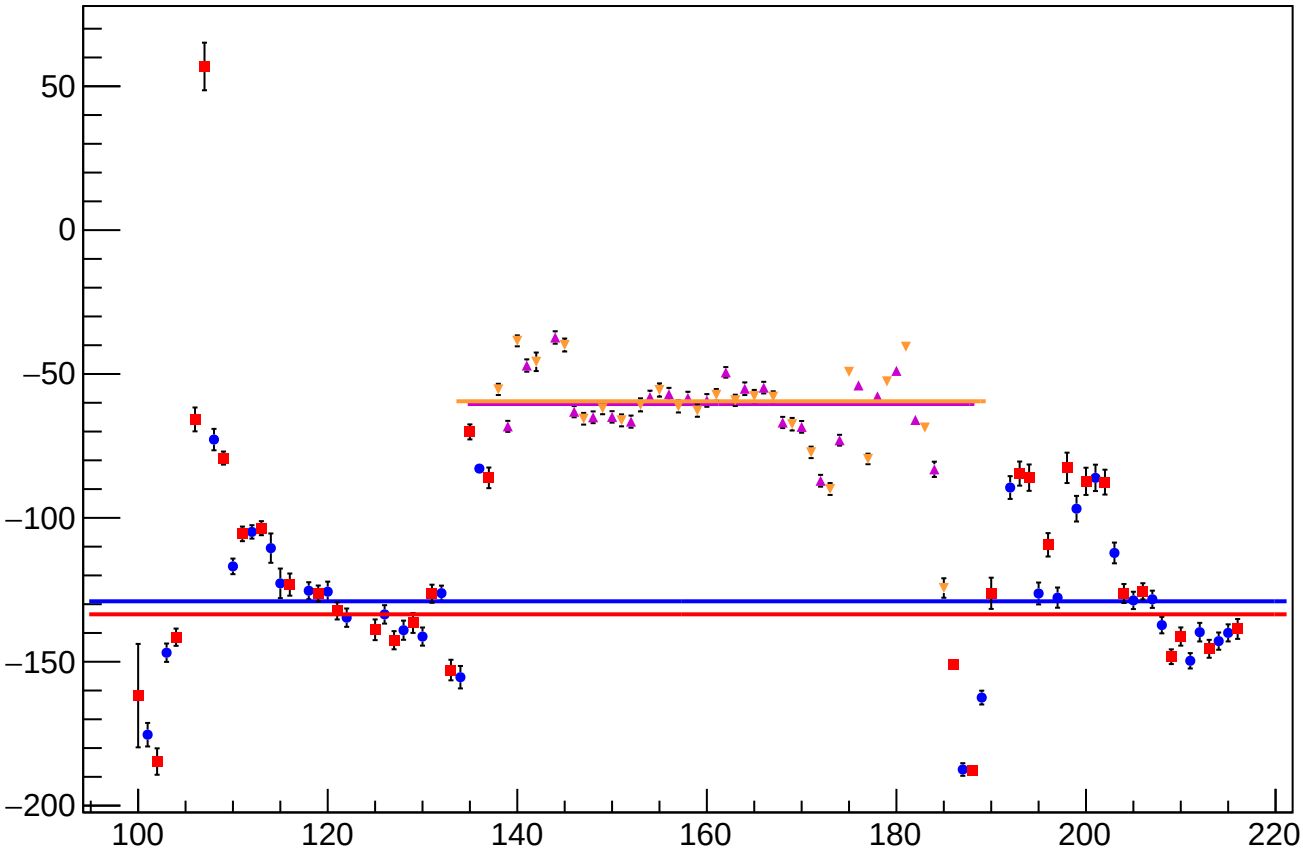
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -2.877+/-0.424 χ^2/NDF: 784.3/63

In: 3.264+/-0.278 χ^2/NDF:1246.9/53

Out: 3.162+/-0.272 χ^2/NDF:1281.1/56

All: 3.212+/-0.195 χ^2/NDF: 2528.1/110



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: -133.522+/-0.505 χ^2/NDF: 5387.4/32

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

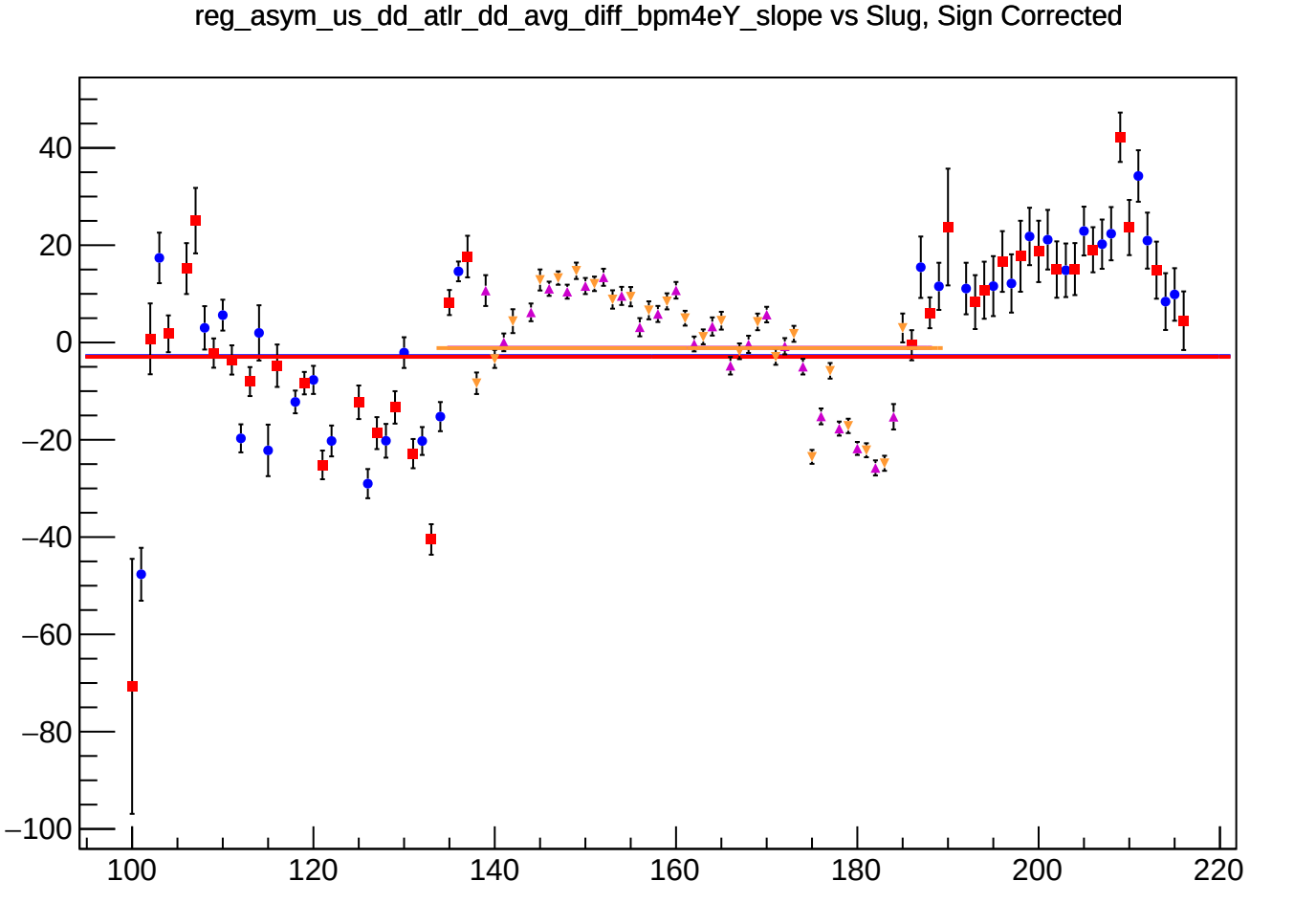
Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

Right: -131.445+/-0.372 χ^2/NDF: 8009.0/63

In: -84.180+/-0.323 χ^2/NDF:13452.2/53

Out: -87.583+/-0.311 χ^2/NDF:20100.9/56

All: -85.945+/-0.224 χ^2/NDF: 33610.7/110



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: -2.949+/-0.690 χ^2/NDF: 580.5/32

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

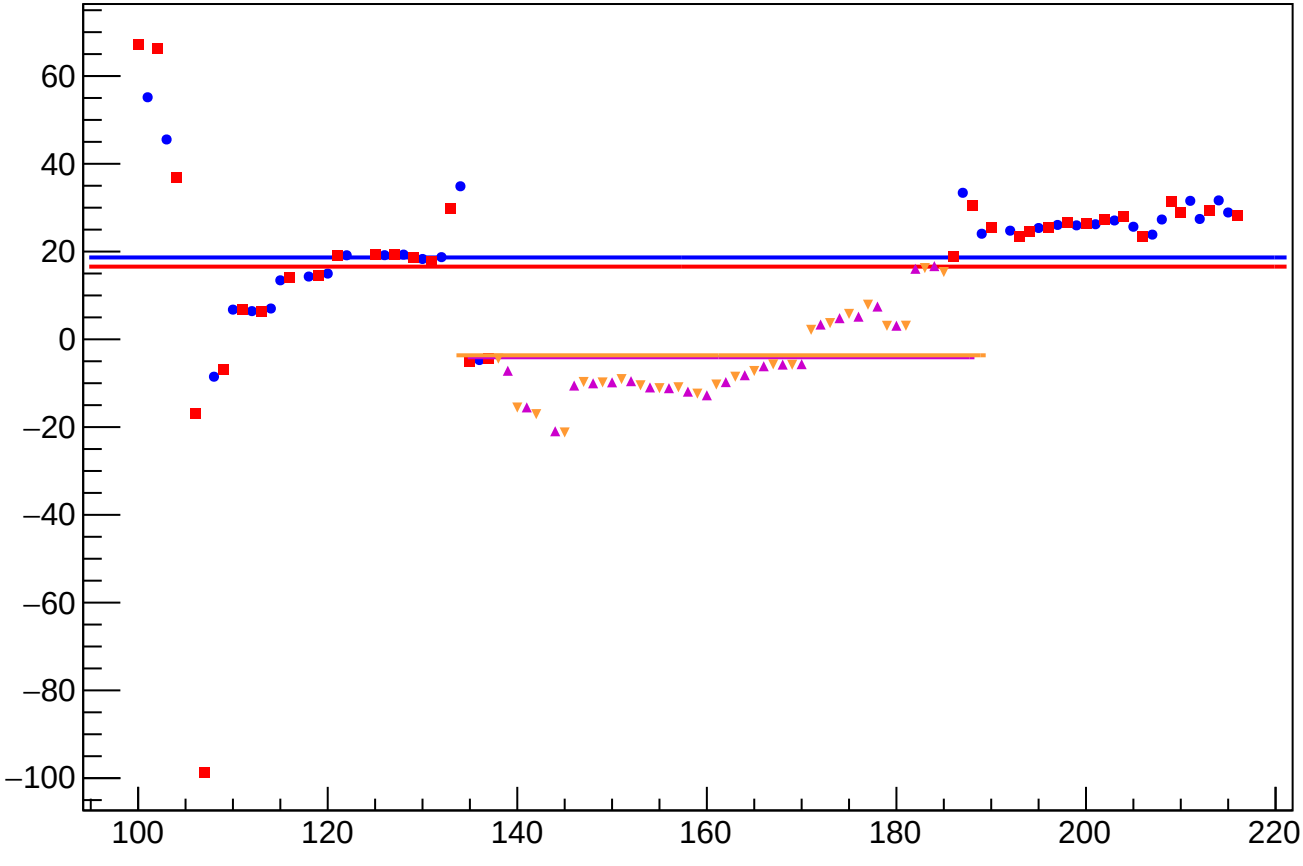
Right: -2.871+/-0.490 χ^2/NDF: 1221.5/63

In: -1.430+/-0.314 χ^2/NDF:1803.1/53

Out: -1.507+/-0.309 χ^2/NDF:1889.0/56

All: -1.469+/-0.220 χ^2/NDF: 3692.1/110

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 16.567+/-0.035 χ^2/NDF: 353168.1/32

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

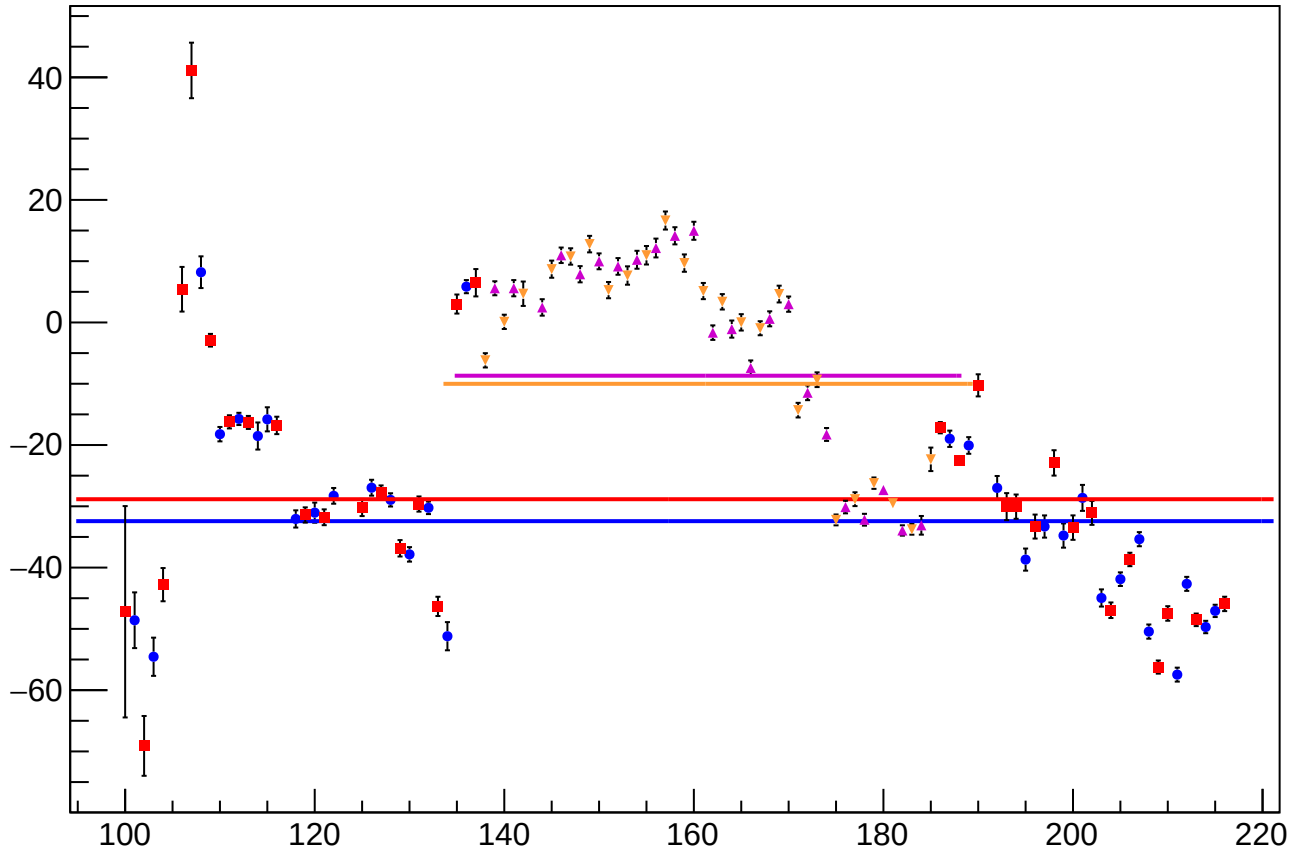
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 17.625+/-0.025 χ^2/NDF: 573740.5/63

In: -0.354+/-0.014 χ^2/NDF:904536.1/53

Out: -0.416+/-0.014 χ^2/NDF:971828.2/56

All: -0.385+/-0.010 χ^2/NDF: 1876373.6/110



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: -28.843+/-0.238 χ^2/NDF: 4359.7/32

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

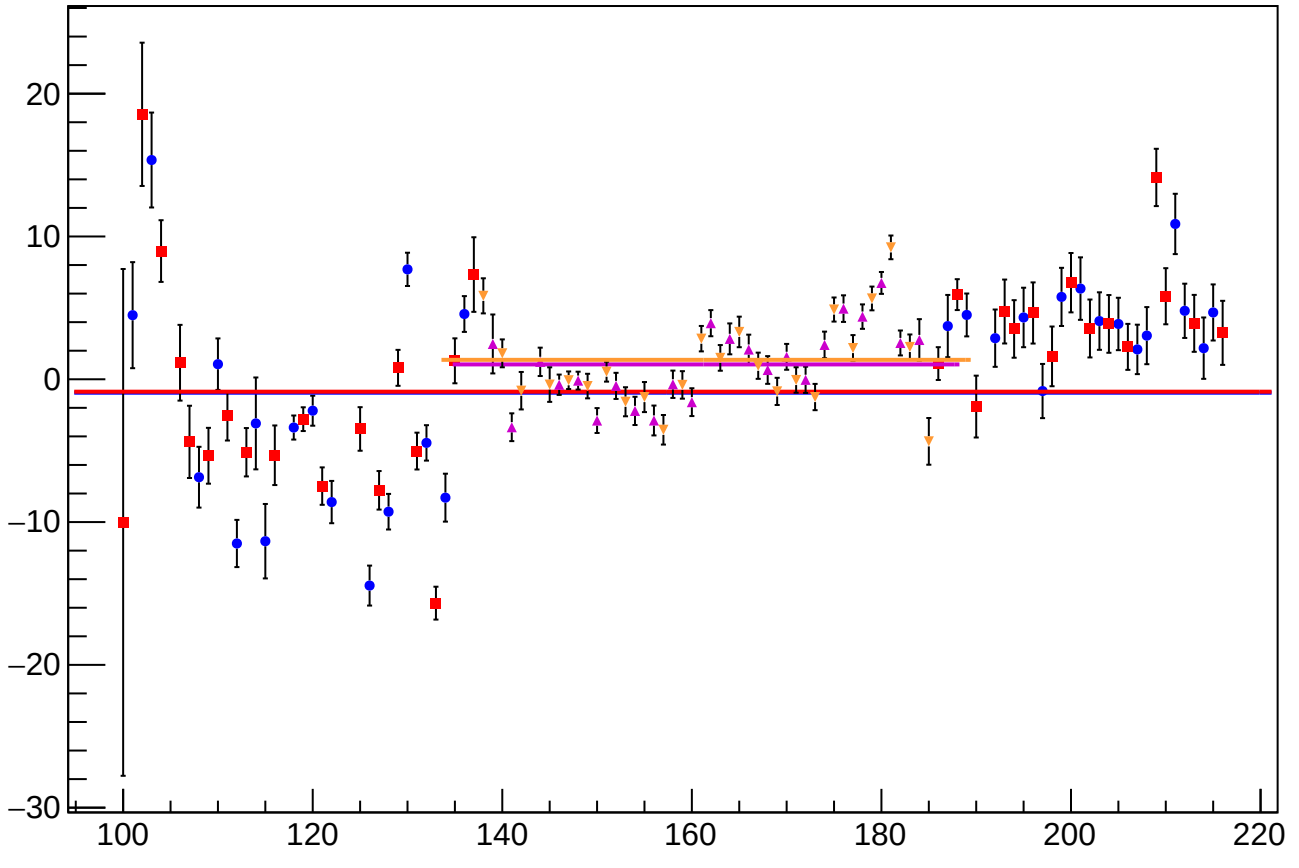
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -30.595+/-0.170 χ^2/NDF: 8396.0/63

In: -20.776+/-0.173 χ^2/NDF:13624.2/53

Out: -19.670+/-0.171 χ^2/NDF:12383.4/56

All: -20.214+/-0.122 χ^2/NDF: 26028.3/110



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: -0.869+/-0.288 χ^2/NDF: 470.9/32

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

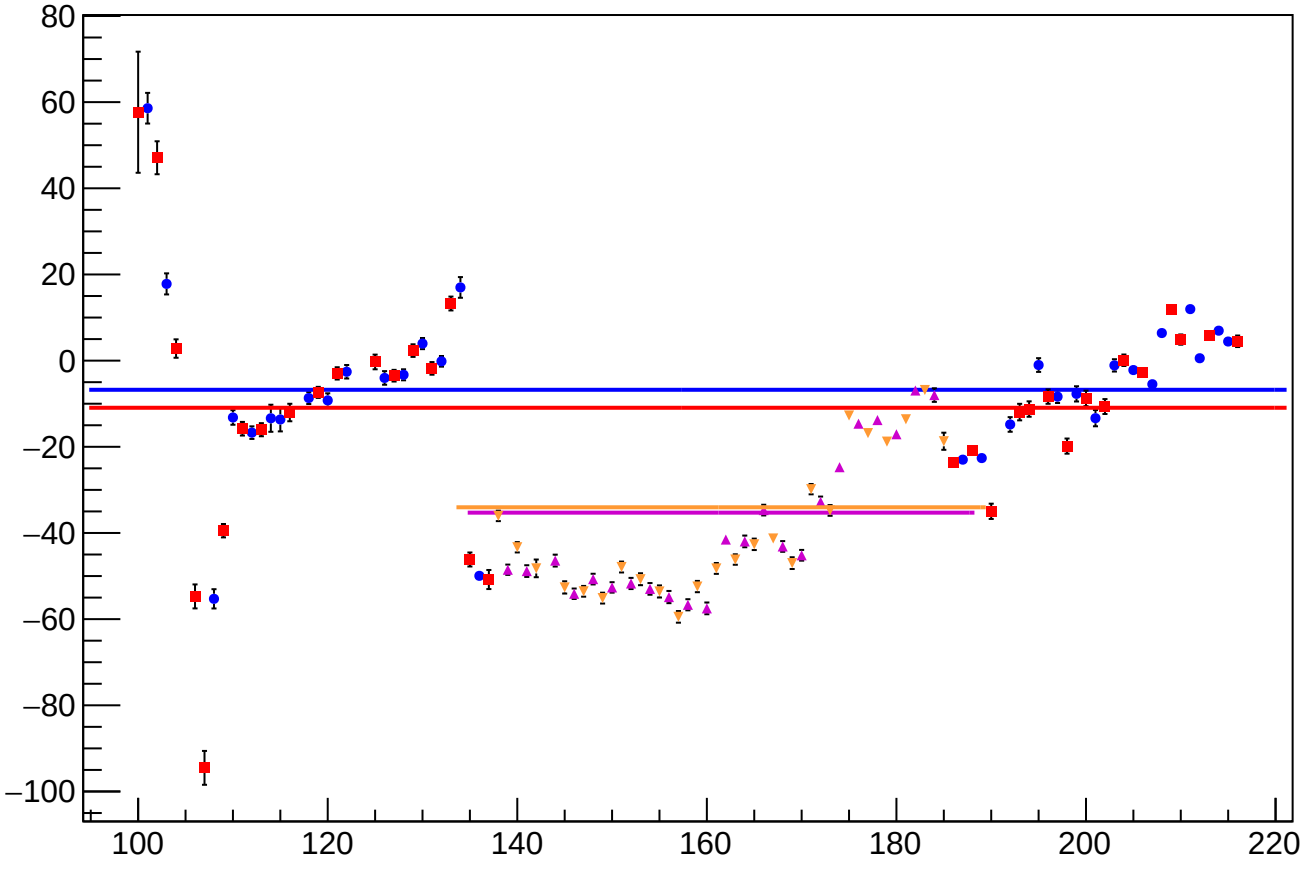
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -0.904+/-0.206 χ^2/NDF: 959.7/63

In: 0.447+/-0.161 χ^2/NDF:716.6/53

Out: 0.693+/-0.158 χ^2/NDF:753.2/56

All: 0.573+/-0.113 χ^2/NDF: 1471.0/110



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: -10.939+/-0.243 χ^2/NDF: 4472.3/32

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

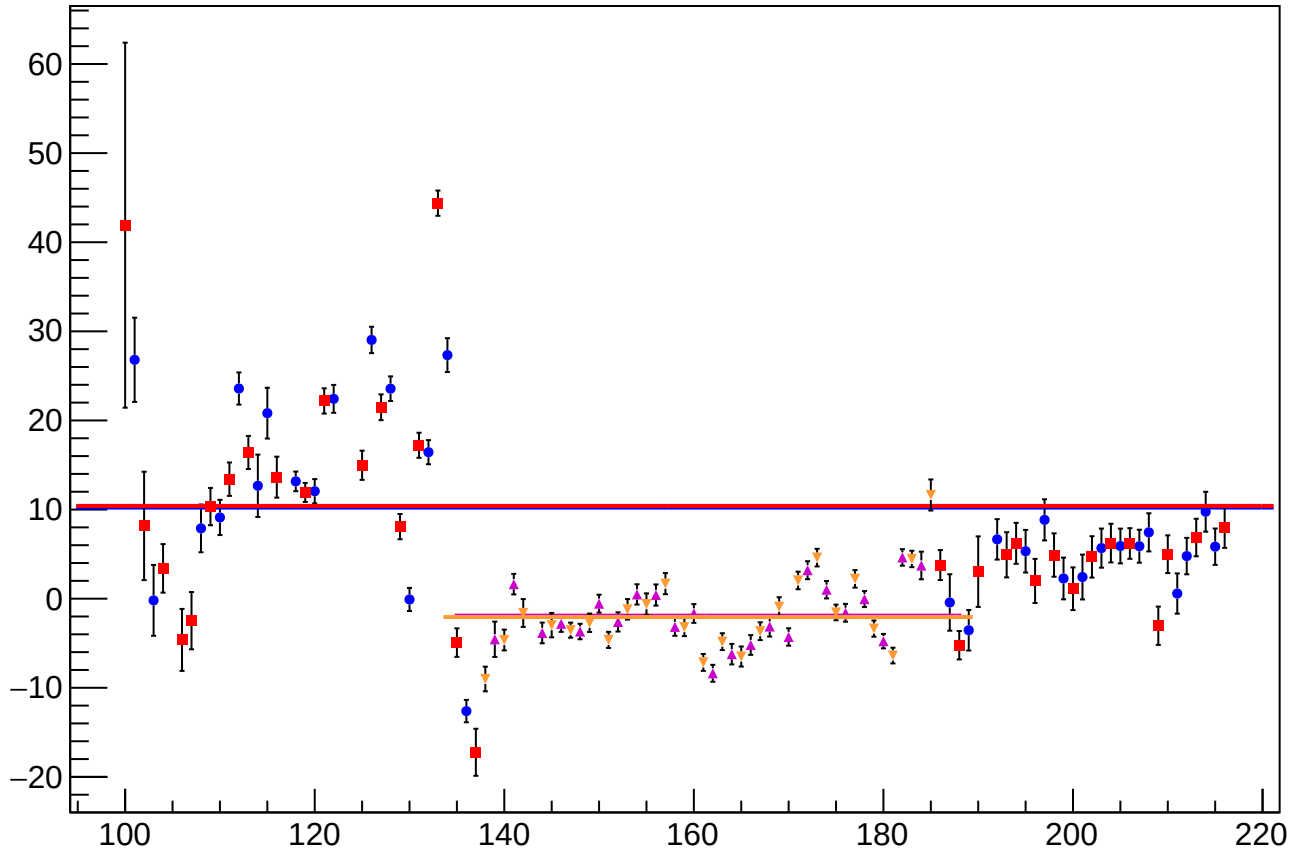
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -8.954+/-0.176 χ^2/NDF: 8571.6/63

In: -21.588+/-0.177 χ^2/NDF:15442.2/53

Out: -22.520+/-0.172 χ^2/NDF:13959.7/56

All: -22.068+/-0.123 χ^2/NDF: 29416.1/110



Right In: 10.226+/-0.336 χ^2/NDF: 1032.8/30

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 10.410+/-0.336 χ^2/NDF: 1220.0/32

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

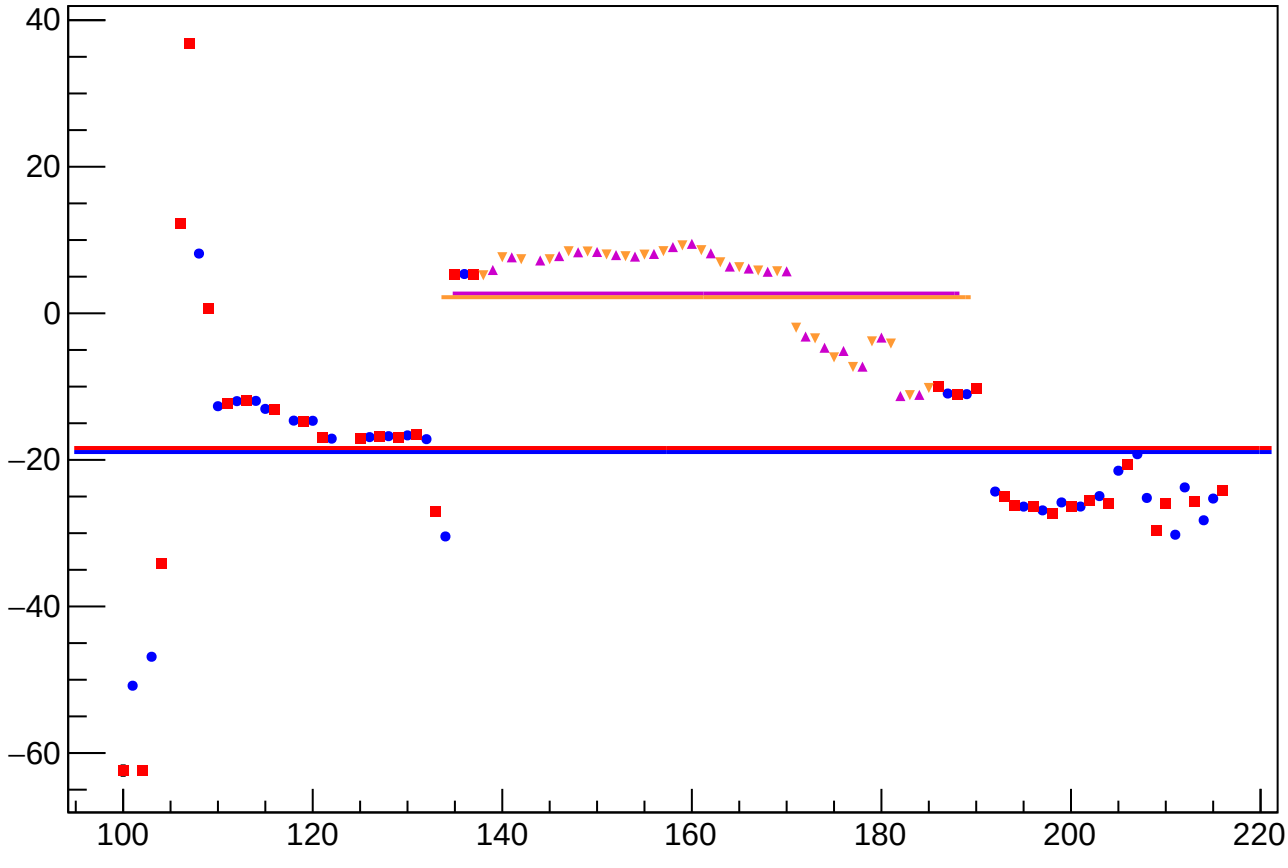
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.318+/-0.238 χ^2/NDF: 2252.9/63

In: 1.647+/-0.182 χ^2/NDF:2177.0/53

Out: 1.492+/-0.179 χ^2/NDF:2536.5/56

All: 1.569+/-0.128 χ^2/NDF: 4713.8/110



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: -18.379+/-0.017 χ^2/NDF: 611573.3/32

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

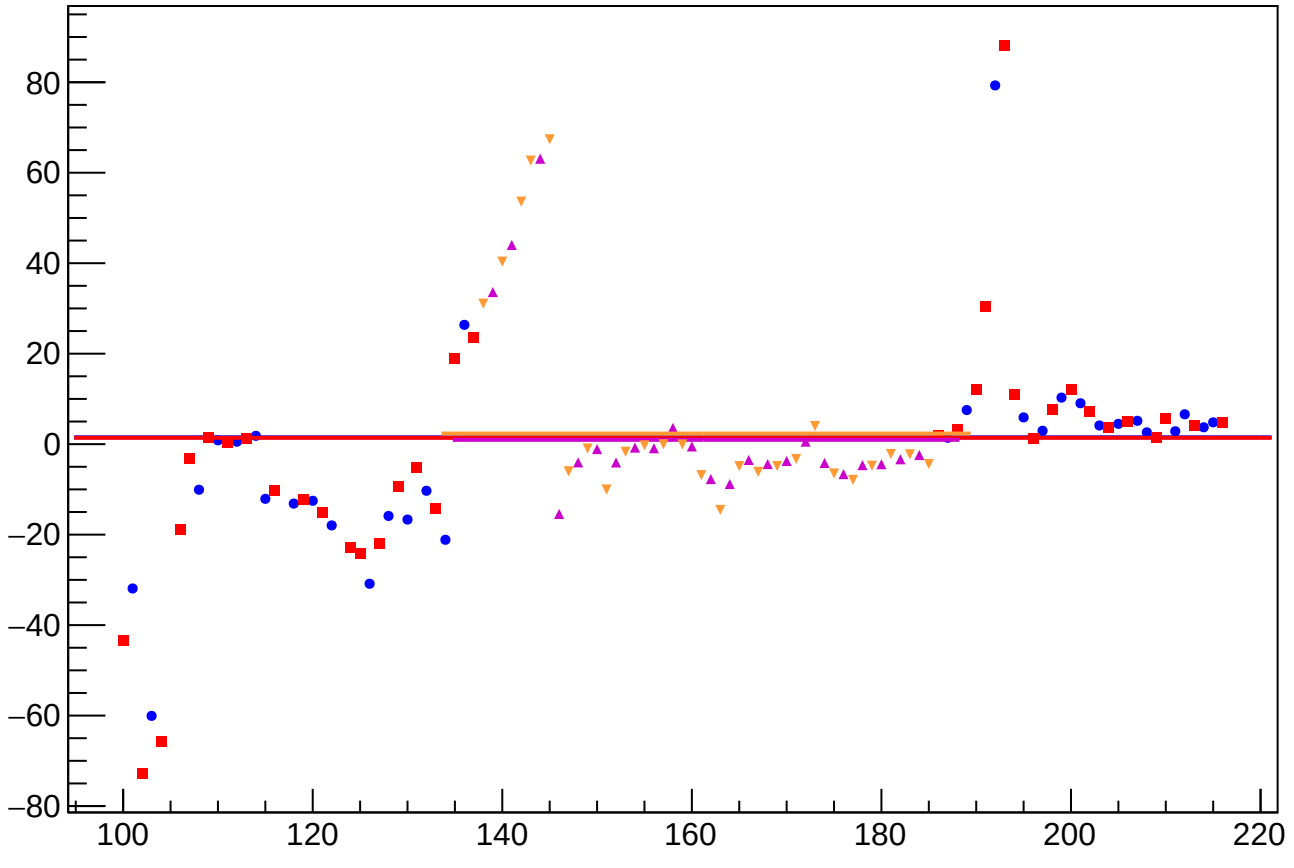
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -18.656+/-0.012 χ^2/NDF: 1143493.3/63

In: -2.588+/-0.008 χ^2/NDF:2281814.2/53

Out: -2.743+/-0.008 χ^2/NDF:2247820.5/56

All: -2.666+/-0.006 χ^2/NDF: 4529810.0/110



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: 1.410+/-0.032 χ^2/NDF: 122162.8/34

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

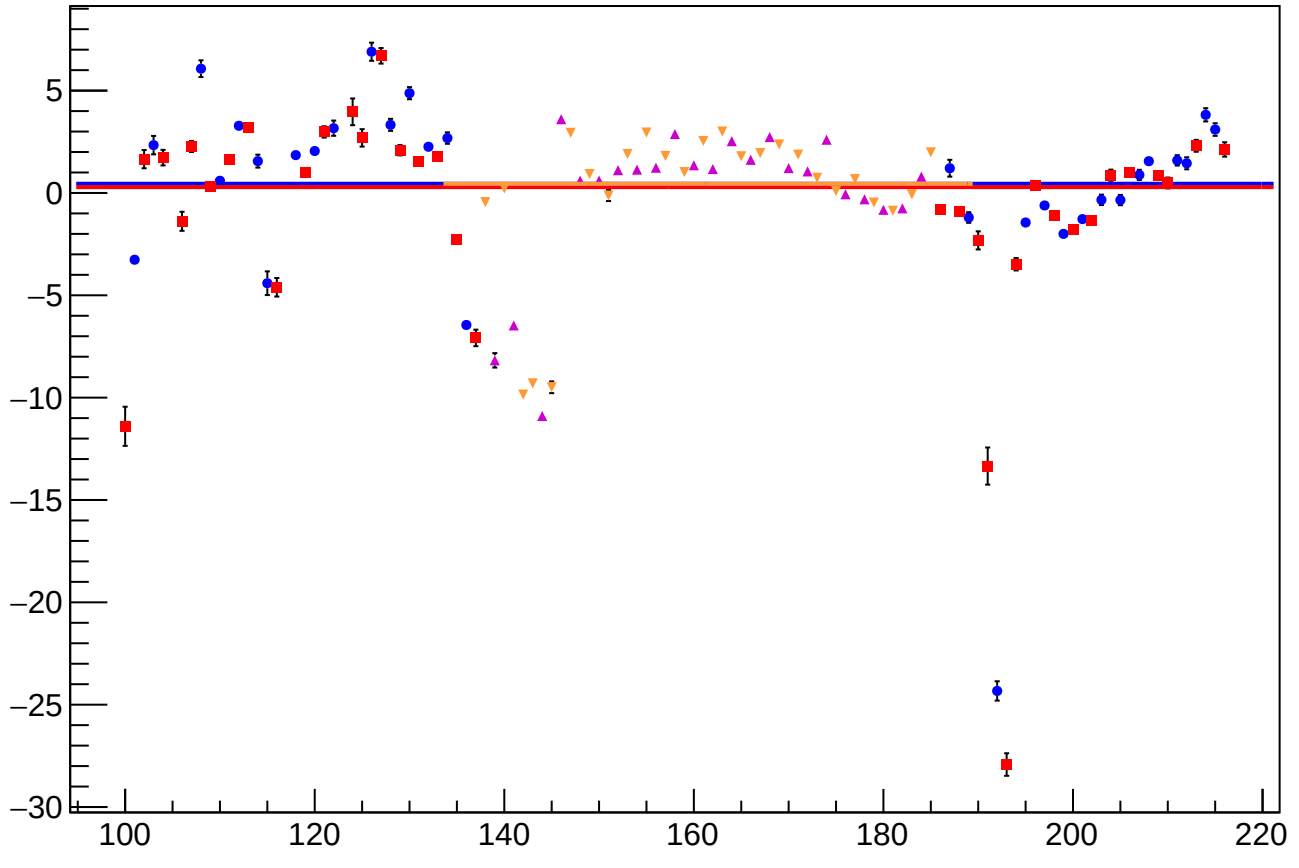
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 1.456+/-0.024 χ^2/NDF: 243651.1/65

In: 1.270+/-0.026 χ^2/NDF:254112.1/53

Out: 1.774+/-0.025 χ^2/NDF:299474.8/59

All: 1.533+/-0.018 χ^2/NDF: 553778.8/113



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: 0.285+/-0.042 χ^2/NDF: 5179.9/34

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

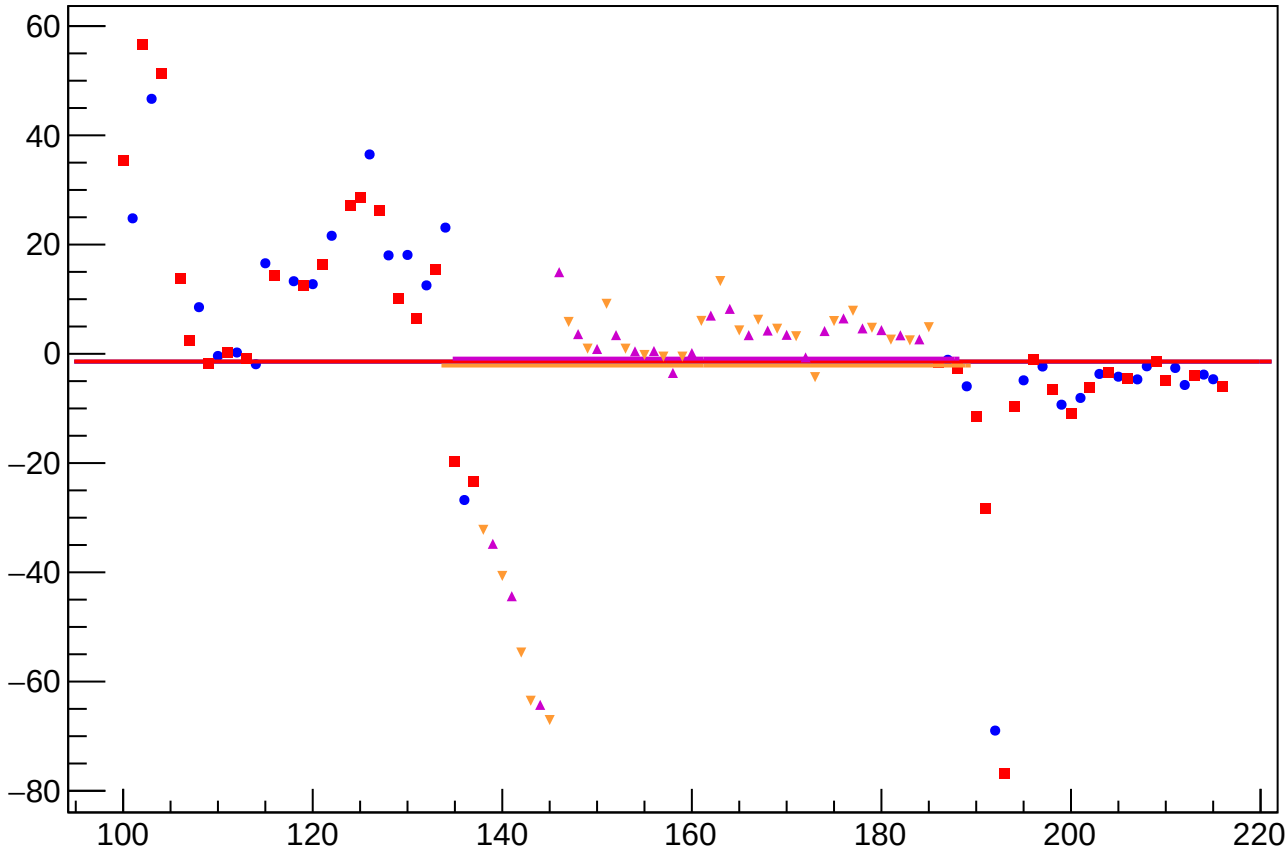
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.363+/-0.031 χ^2/NDF: 11281.3/65

In: 0.435+/-0.026 χ^2/NDF:13196.7/53

Out: 0.386+/-0.026 χ^2/NDF:12233.3/59

All: 0.410+/-0.018 χ^2/NDF: 25431.8/113



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: -1.404+/-0.034 χ^2/NDF: 120322.5/34

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

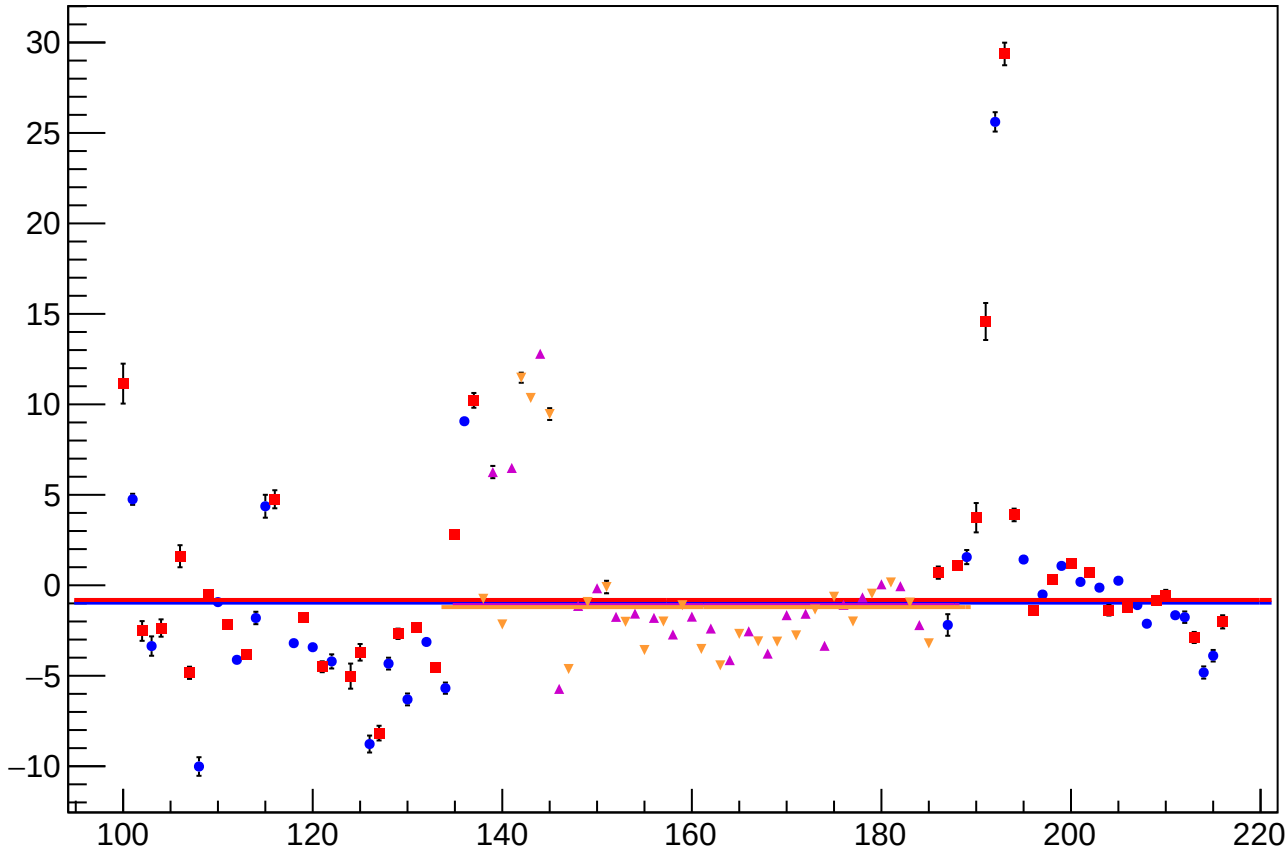
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -1.419+/-0.025 χ^2/NDF: 240090.2/65

In: -1.181+/-0.027 χ^2/NDF:249072.3/53

Out: -1.712+/-0.026 χ^2/NDF:291790.1/59

All: -1.453+/-0.019 χ^2/NDF: 541066.0/113



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: -0.811+/-0.049 χ^2/NDF: 5670.9/34

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

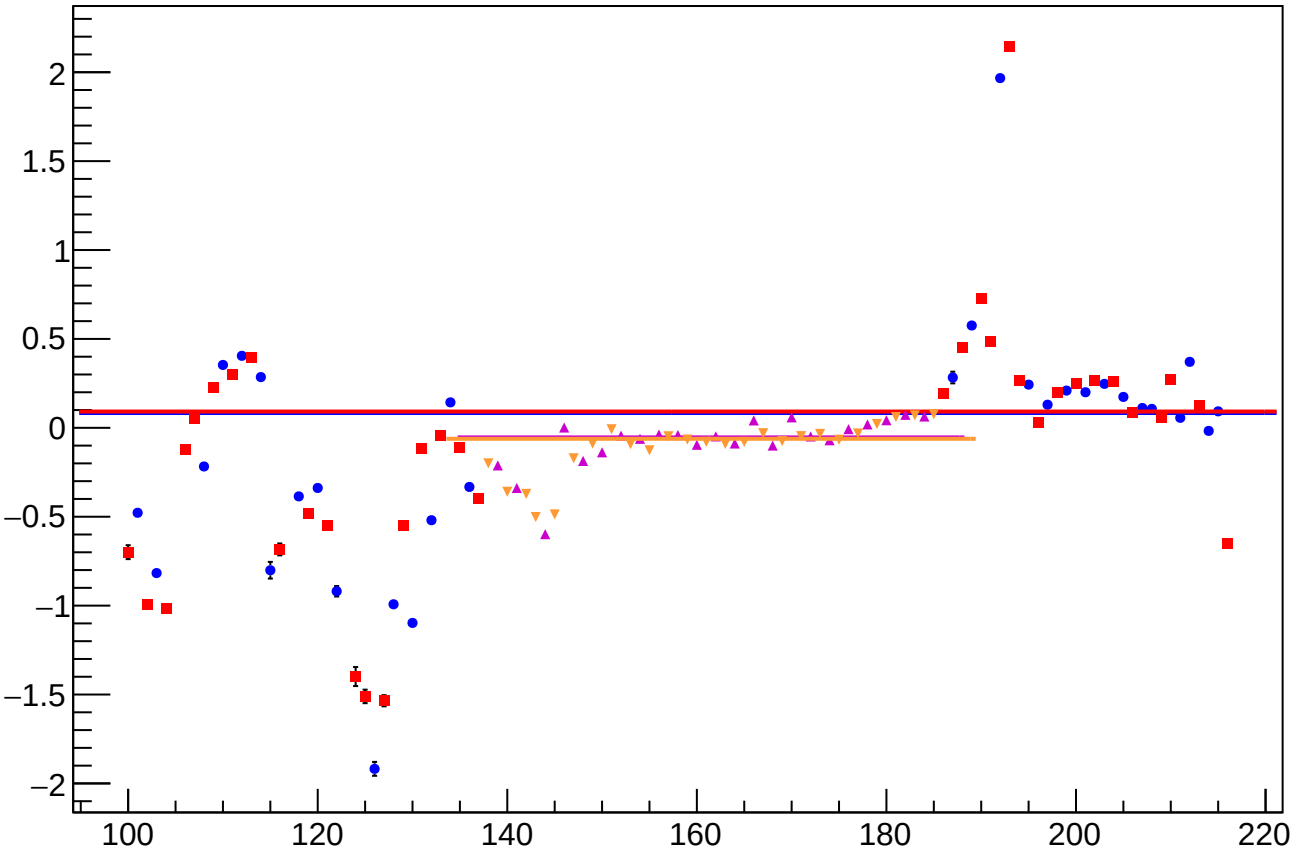
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.882+/-0.035 χ^2/NDF: 13275.8/65

In: -1.050+/-0.029 χ^2/NDF:14634.5/53

Out: -1.066+/-0.029 χ^2/NDF:12716.0/59

All: -1.058+/-0.020 χ^2/NDF: 27350.7/113



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: 0.092+/-0.002 χ^2/NDF: 36186.9/34

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

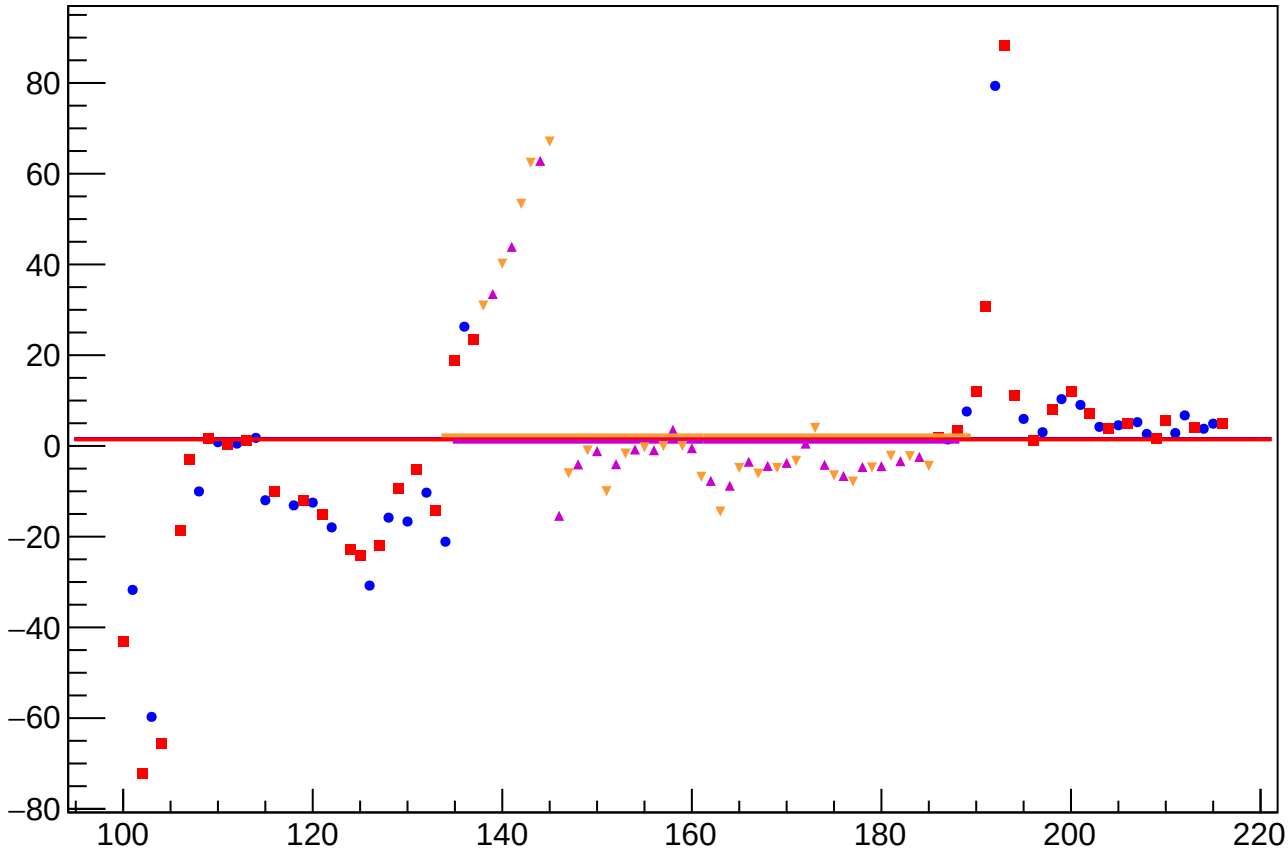
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.088+/-0.002 χ^2/NDF: 70644.2/65

In: -0.013+/-0.001 χ^2/NDF:42023.9/53

Out: -0.010+/-0.001 χ^2/NDF:45027.3/59

All: -0.011+/-0.001 χ^2/NDF: 87052.7/113



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: 1.435+/-0.032 χ^2/NDF: 122781.3/34

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

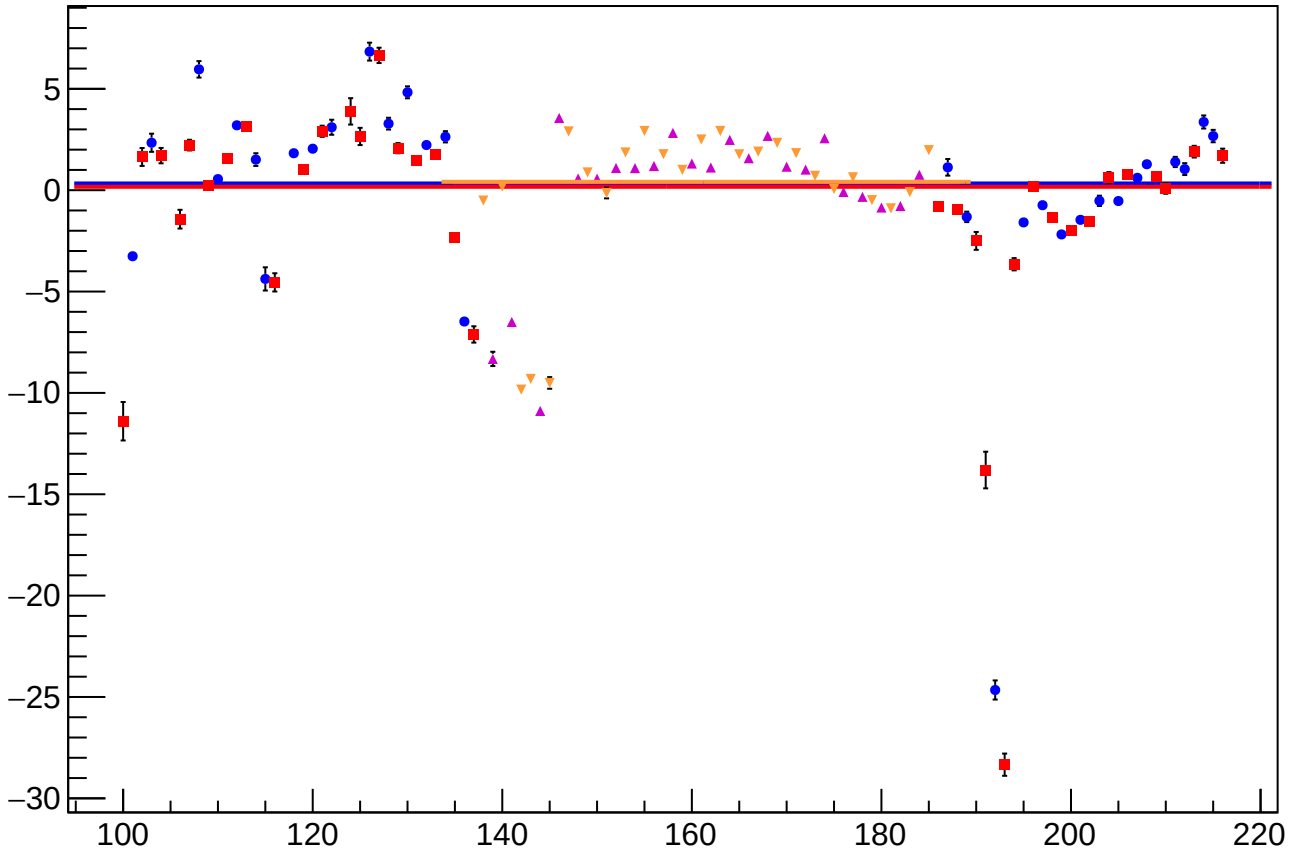
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 1.480+/-0.024 χ^2/NDF: 244838.0/65

In: 1.274+/-0.026 χ^2/NDF:254585.7/53

Out: 1.779+/-0.025 χ^2/NDF:299823.3/59

All: 1.538+/-0.018 χ^2/NDF: 554602.7/113



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: 0.167+/-0.042 χ^2/NDF: 5318.4/34

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

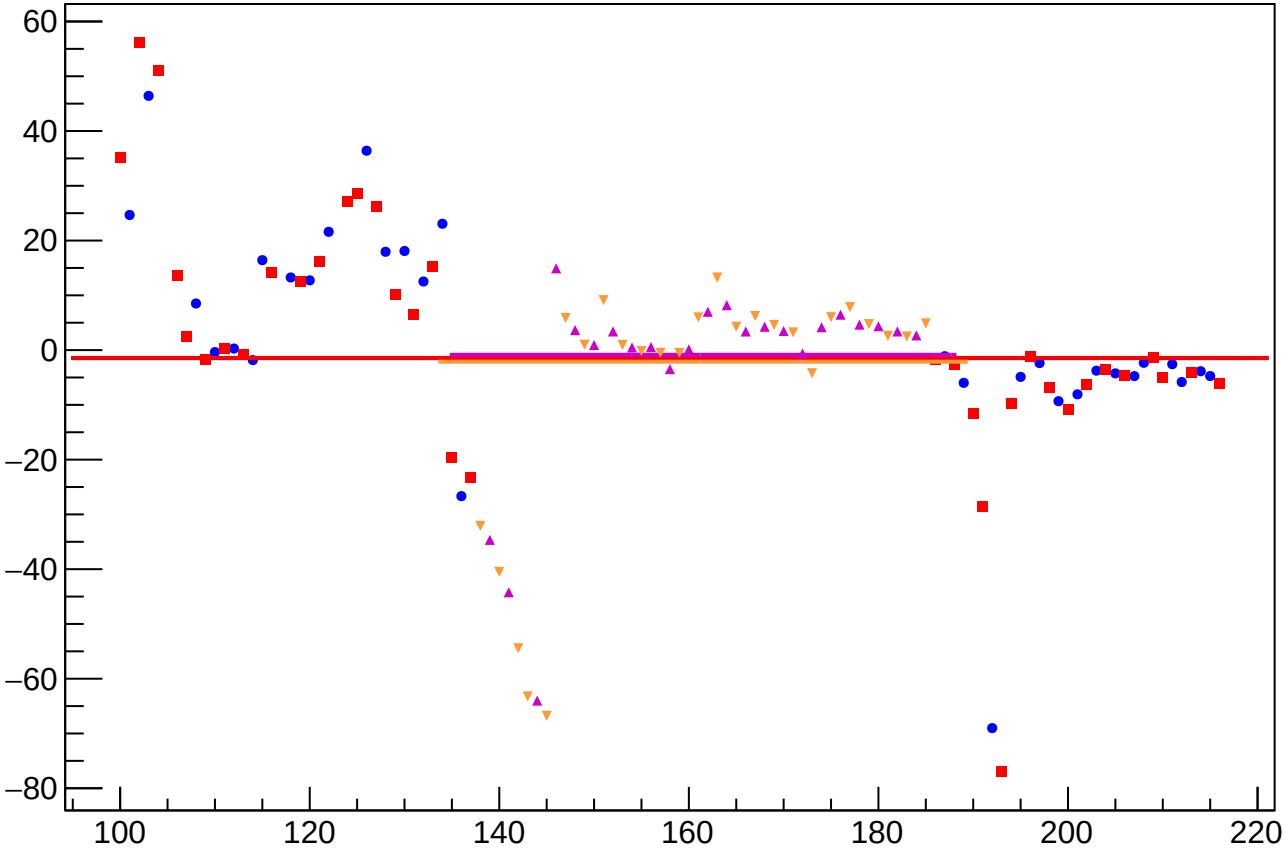
Right: 0.246+/-0.031 χ^2/NDF: 11496.7/65

In: 0.370+/-0.026 χ^2/NDF:13286.2/53

Out: 0.321+/-0.026 χ^2/NDF:12386.9/59

All: 0.346+/-0.018 χ^2/NDF: 25674.9/113

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: -1.434+/-0.034 χ^2/NDF: 120903.4/34

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

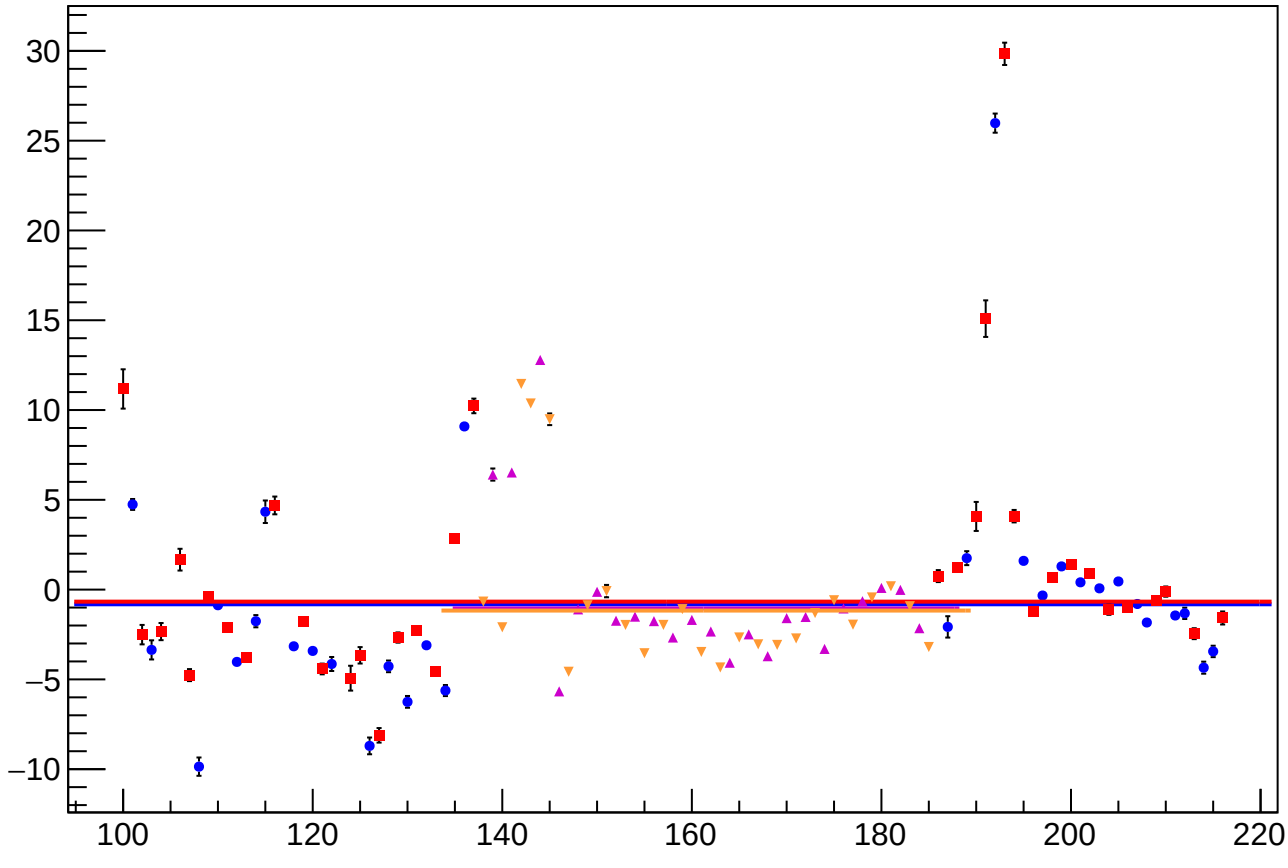
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -1.448+/-0.025 χ^2/NDF: 241188.3/65

In: -1.187+/-0.027 χ^2/NDF:249498.4/53

Out: -1.719+/-0.026 χ^2/NDF:292113.6/59

All: -1.460+/-0.019 χ^2/NDF: 541818.2/113



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: -0.670+/-0.049 χ^2/NDF: 5811.4/34

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

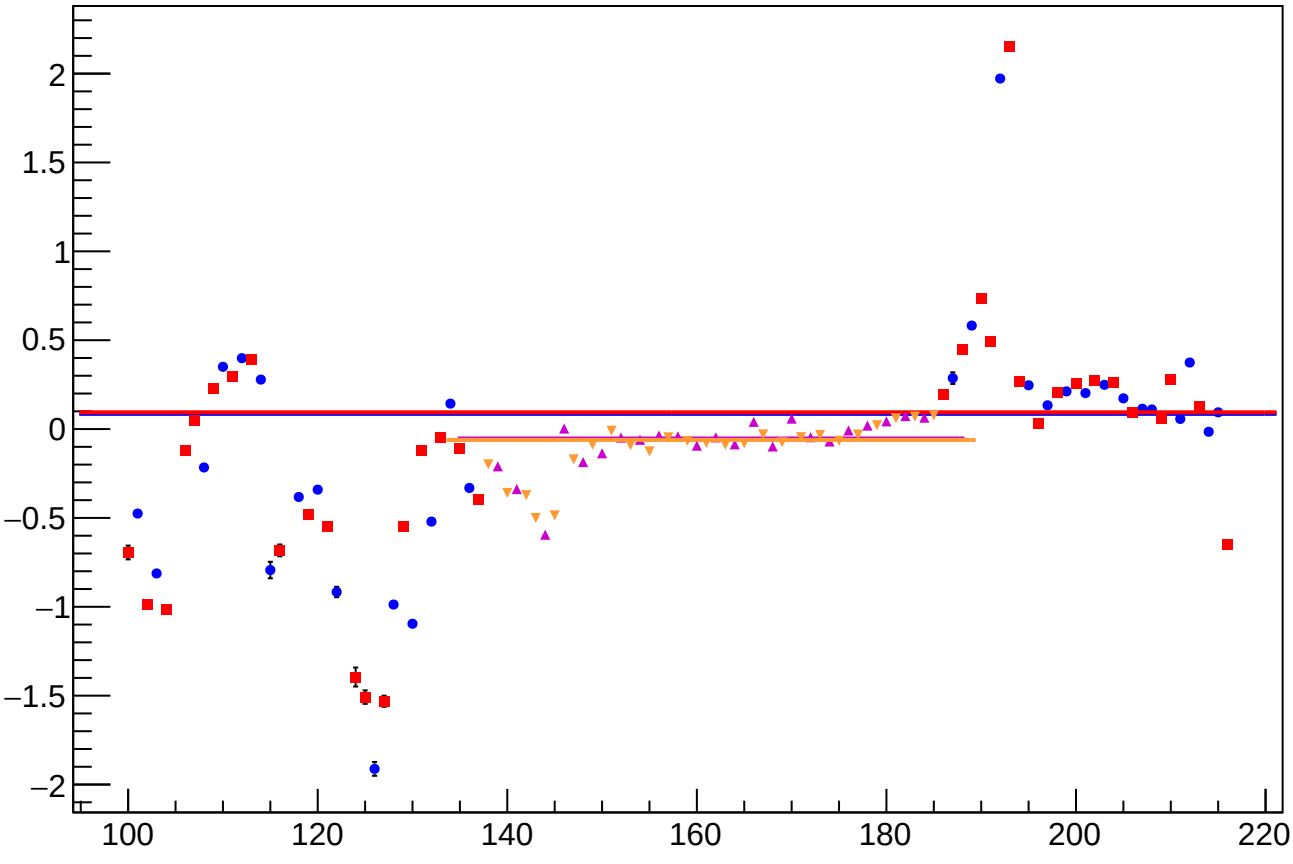
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.741+/-0.035 χ^2/NDF: 13478.5/65

In: -0.974+/-0.029 χ^2/NDF:14717.6/53

Out: -0.990+/-0.029 χ^2/NDF:12880.1/59

All: -0.982+/-0.020 χ^2/NDF: 27597.8/113



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: 0.094+/-0.002 χ^2/NDF: 36521.7/34

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

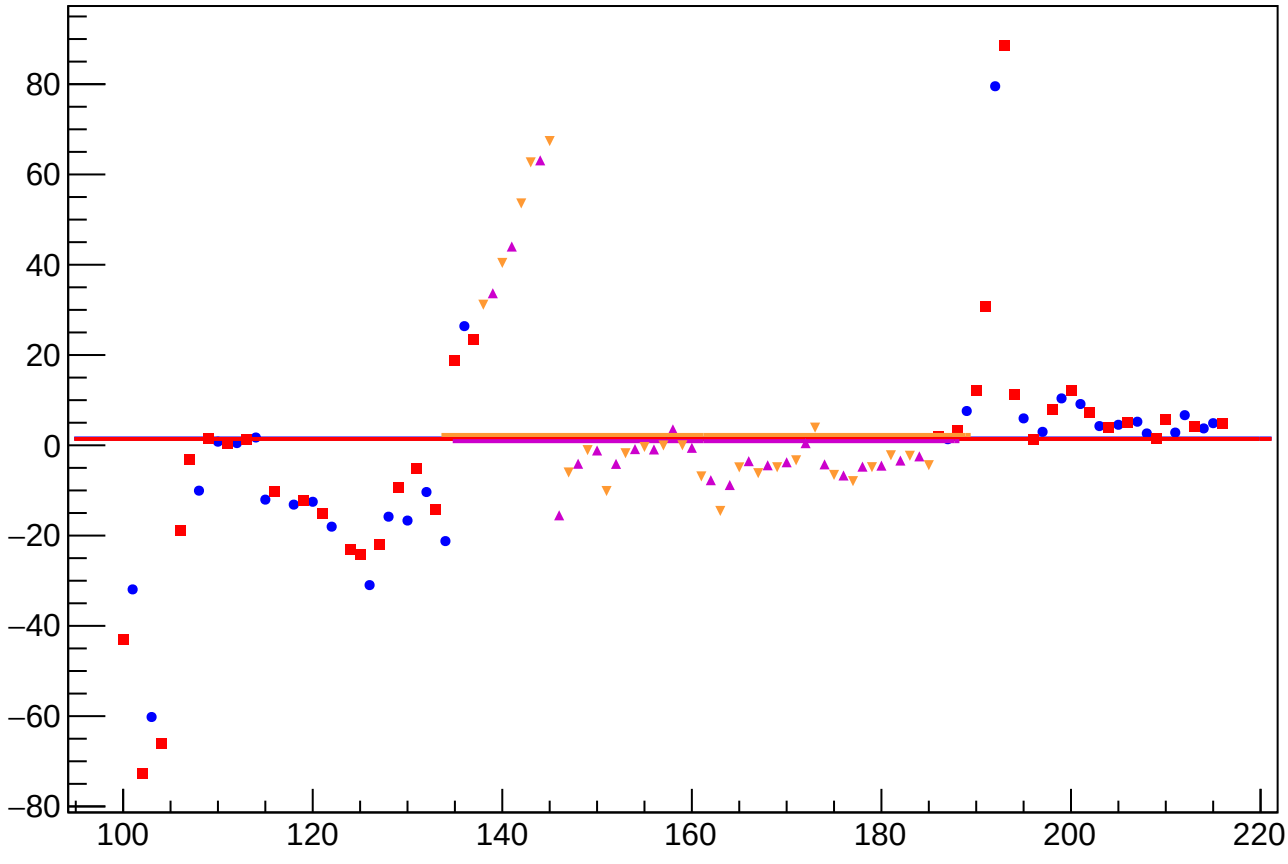
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.090+/-0.002 χ^2/NDF: 71257.8/65

In: -0.011+/-0.001 χ^2/NDF:42351.6/53

Out: -0.009+/-0.001 χ^2/NDF:45504.7/59

All: -0.010+/-0.001 χ^2/NDF: 87857.8/113



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: 1.407+/-0.032 χ^2/NDF: 122773.3/34

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

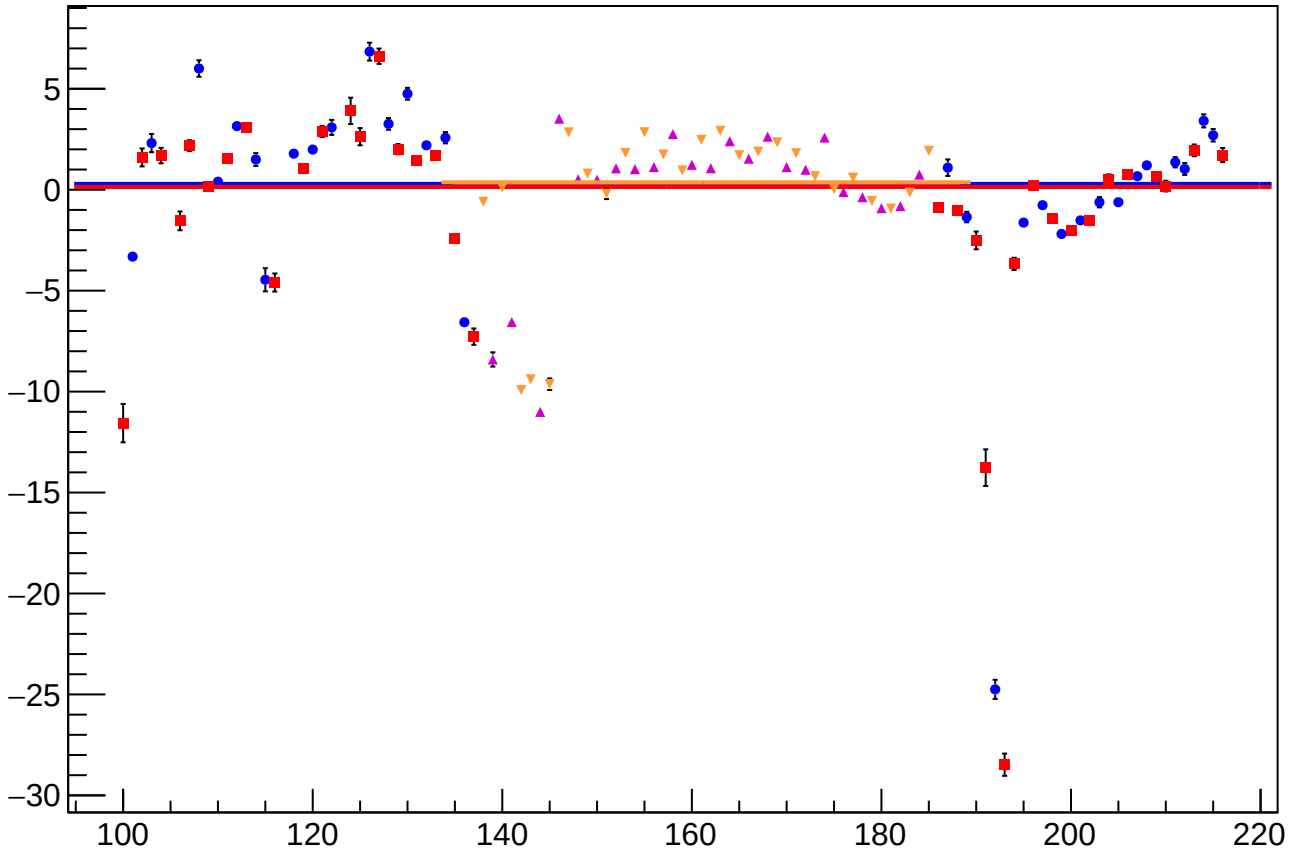
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 1.452+/-0.024 χ^2/NDF: 244850.5/65

In: 1.247+/-0.026 χ^2/NDF:254771.0/53

Out: 1.754+/-0.025 χ^2/NDF:300256.3/59

All: 1.512+/-0.018 χ^2/NDF: 555220.5/113



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: 0.136+/-0.042 χ^2/NDF: 5316.8/34

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

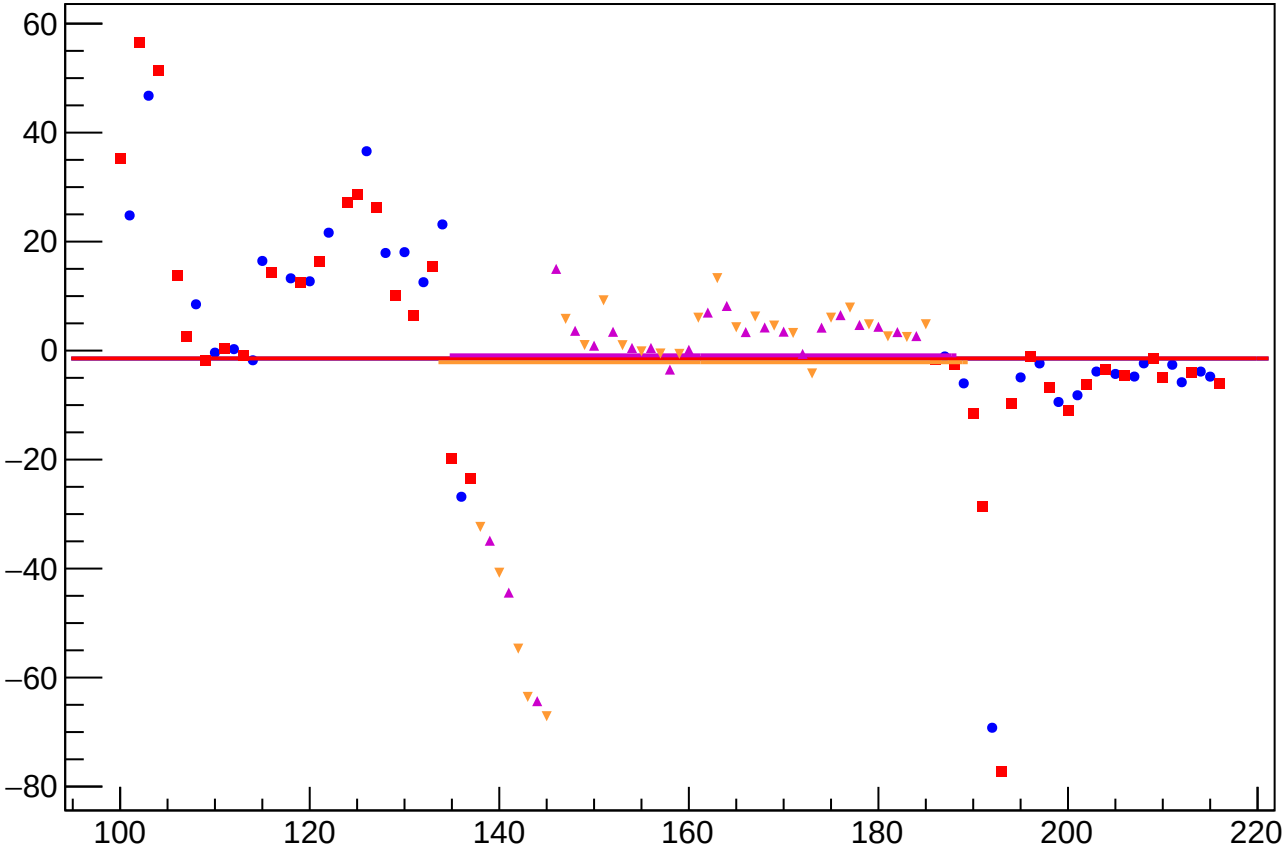
Right: 0.210+/-0.031 χ^2/NDF: 11488.0/65

In: 0.321+/-0.026 χ^2/NDF:13260.0/53

Out: 0.281+/-0.026 χ^2/NDF:12403.4/59

All: 0.301+/-0.018 χ^2/NDF: 25664.6/113

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: -1.435+/-0.034 χ^2/NDF: 120926.9/34

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

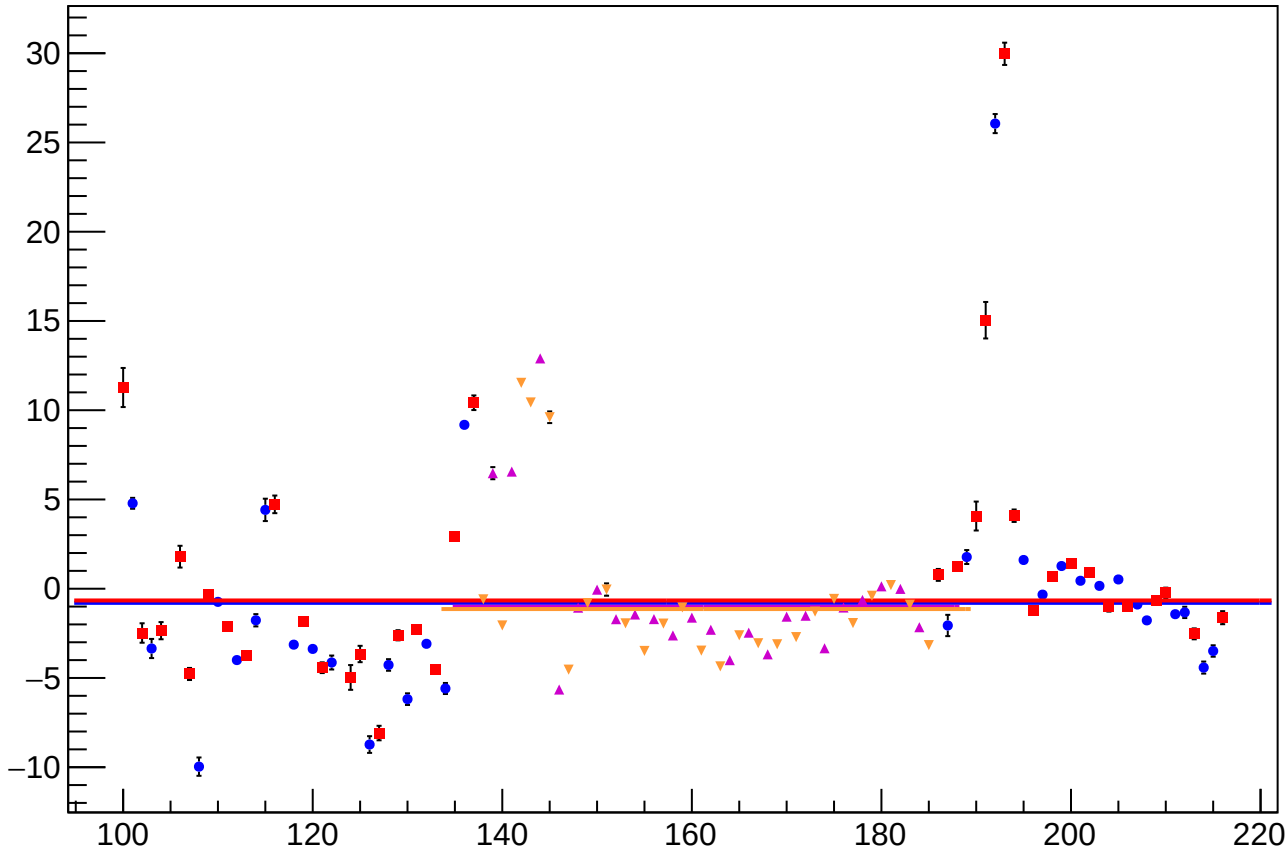
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -1.450+/-0.025 χ^2/NDF: 241252.8/65

In: -1.193+/-0.027 χ^2/NDF:249712.3/53

Out: -1.725+/-0.026 χ^2/NDF:292568.9/59

All: -1.466+/-0.019 χ^2/NDF: 542485.4/113



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: -0.658+/-0.049 χ^2/NDF: 5818.6/34

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

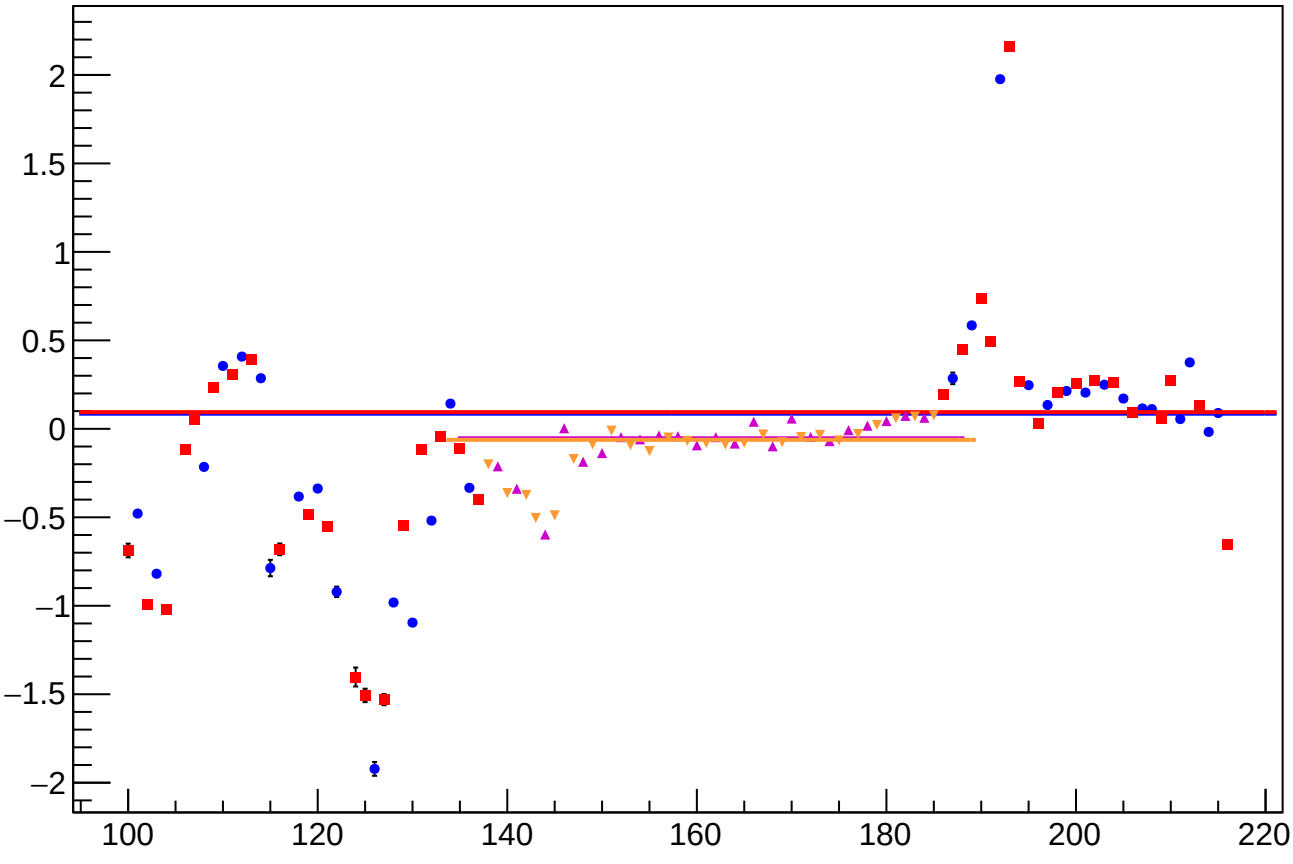
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.722+/-0.035 χ^2/NDF: 13487.1/65

In: -0.943+/-0.029 χ^2/NDF:14705.0/53

Out: -0.968+/-0.029 χ^2/NDF:12904.0/59

All: -0.955+/-0.020 χ^2/NDF: 27609.5/113



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: 0.094+/-0.002 χ^2/NDF: 36468.1/34

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

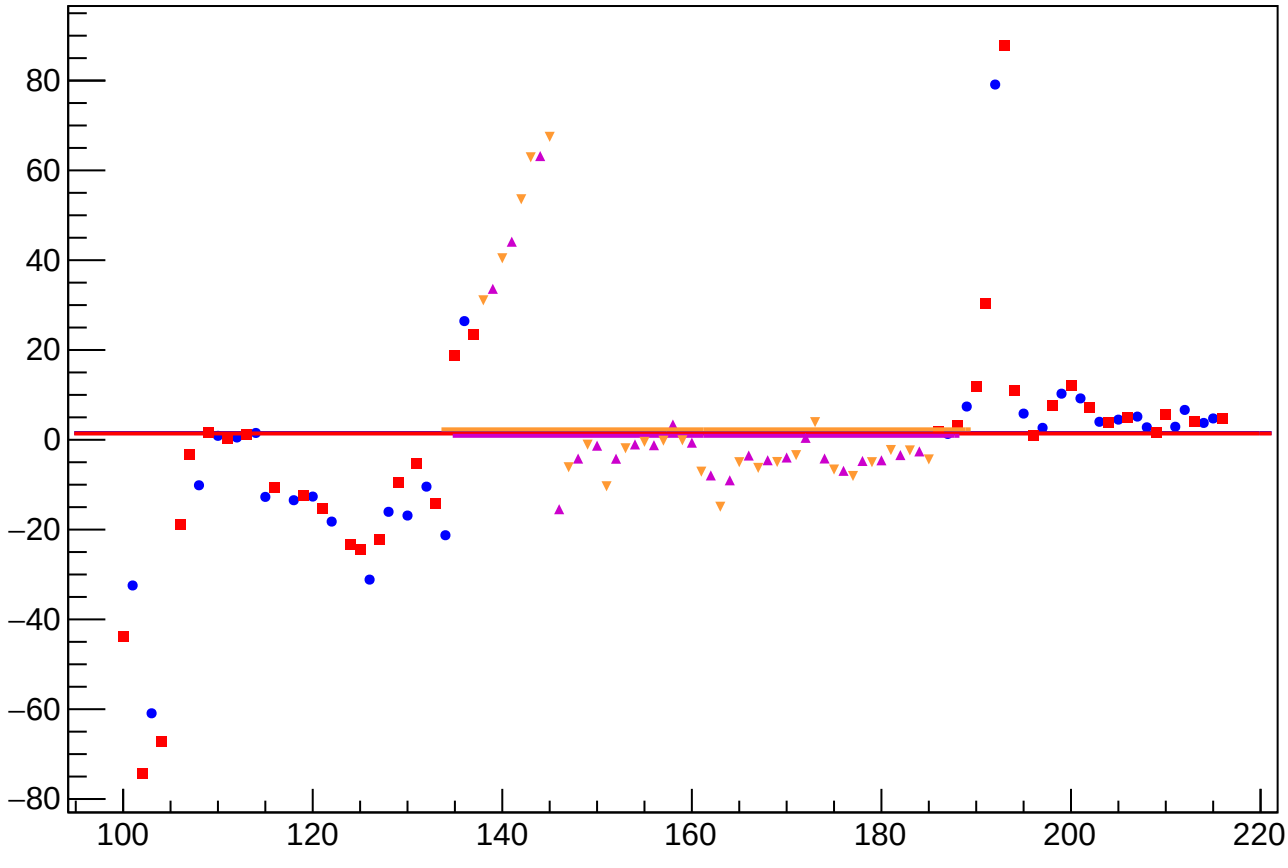
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.090+/-0.002 χ^2/NDF: 71195.9/65

In: -0.011+/-0.001 χ^2/NDF:42310.8/53

Out: -0.010+/-0.001 χ^2/NDF:45457.9/59

All: -0.011+/-0.001 χ^2/NDF: 87769.6/113



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: 1.407+/-0.033 χ^2/NDF: 121127.7/34

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

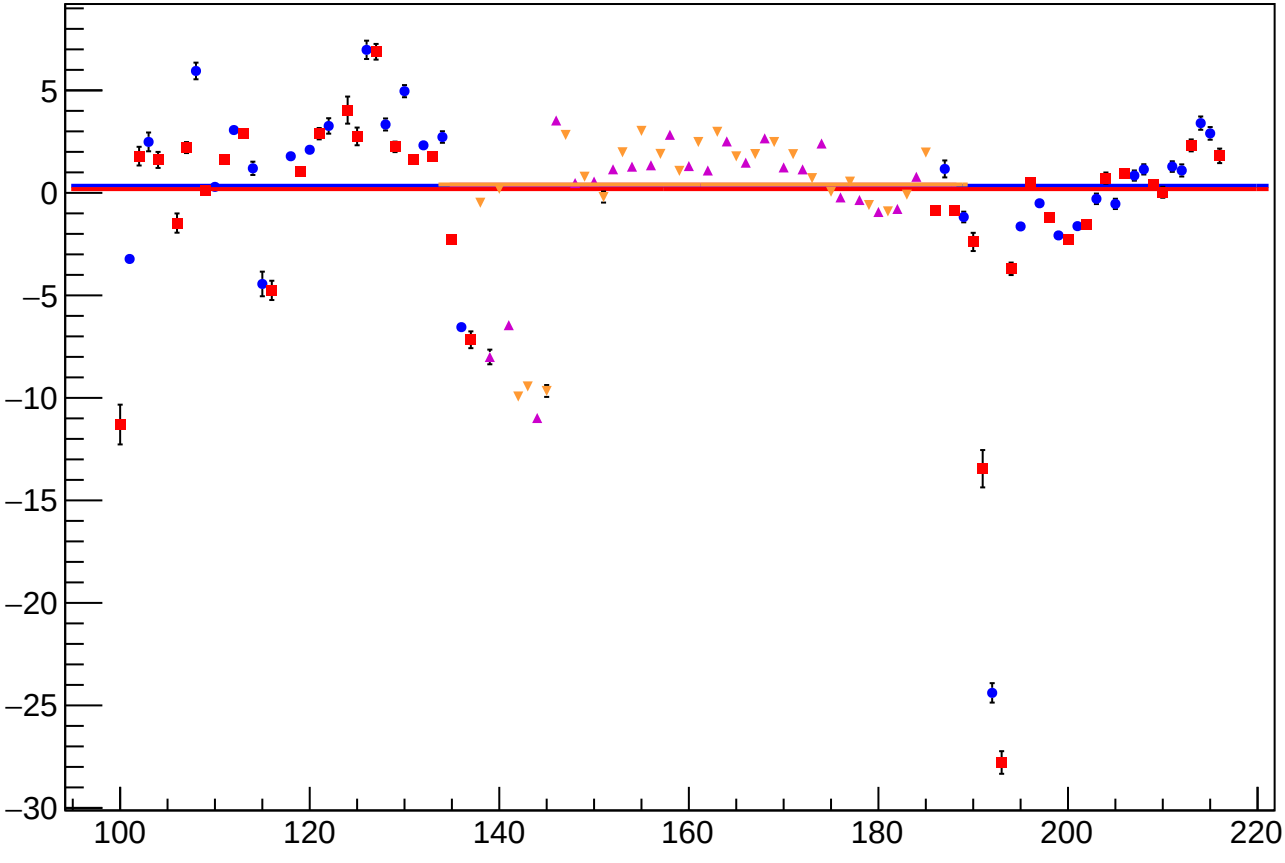
Right: 1.449+/-0.024 χ^2/NDF: 241309.7/65

In: 1.235+/-0.027 χ^2/NDF:250723.8/53

Out: 1.764+/-0.026 χ^2/NDF:296083.8/59

All: 1.511+/-0.018 χ^2/NDF: 547012.0/113

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.183+/-0.043 χ^2/NDF: 5137.0/34

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

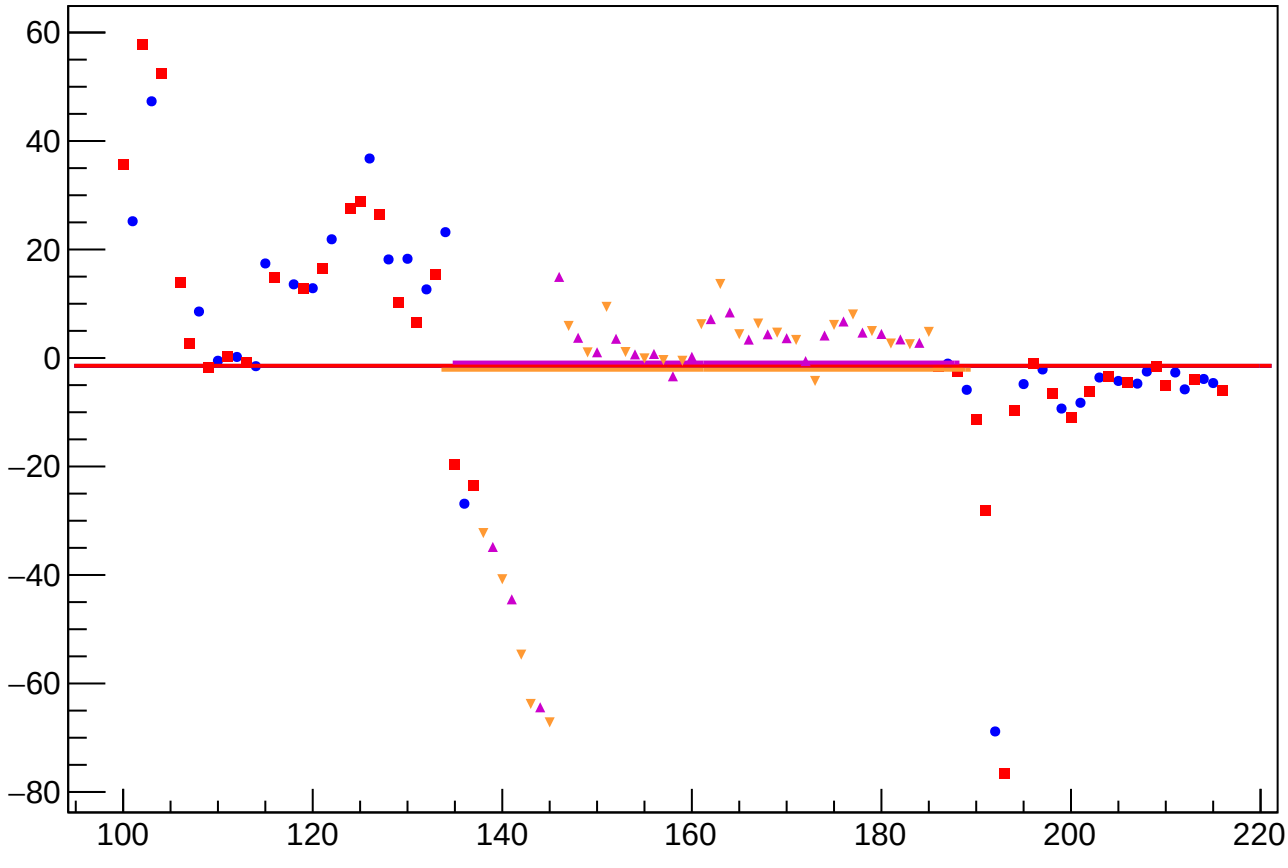
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.261+/-0.031 χ^2/NDF: 11145.2/65

In: 0.379+/-0.026 χ^2/NDF:12934.2/53

Out: 0.324+/-0.026 χ^2/NDF:12202.2/59

All: 0.352+/-0.019 χ^2/NDF: 25138.5/113



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: -1.436+/-0.034 χ^2/NDF: 119289.6/34

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

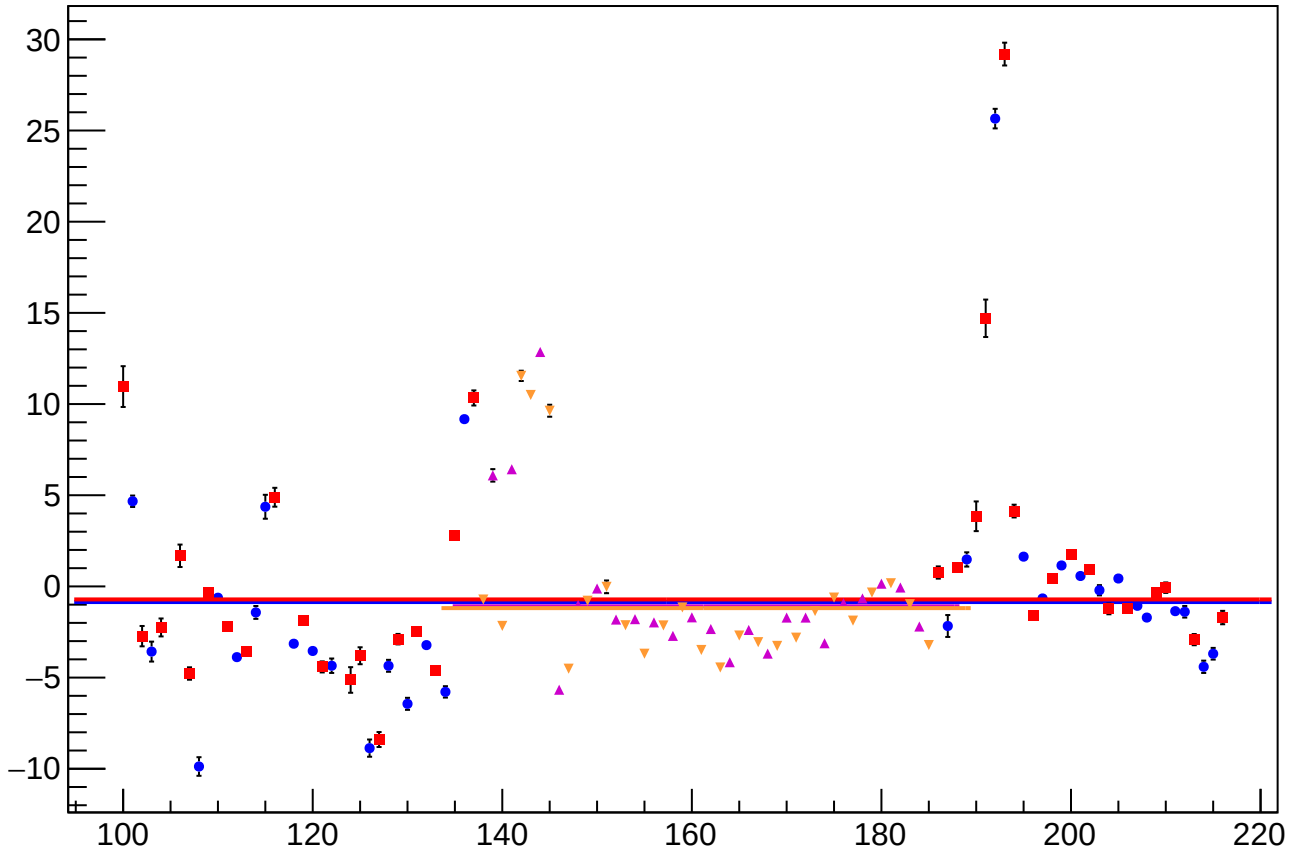
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -1.448+/-0.025 χ^2/NDF: 237765.3/65

In: -1.180+/-0.027 χ^2/NDF:245740.0/53

Out: -1.735+/-0.026 χ^2/NDF:288464.6/59

All: -1.465+/-0.019 χ^2/NDF: 534420.6/113



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: -0.714+/-0.050 χ^2/NDF: 5651.5/34

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

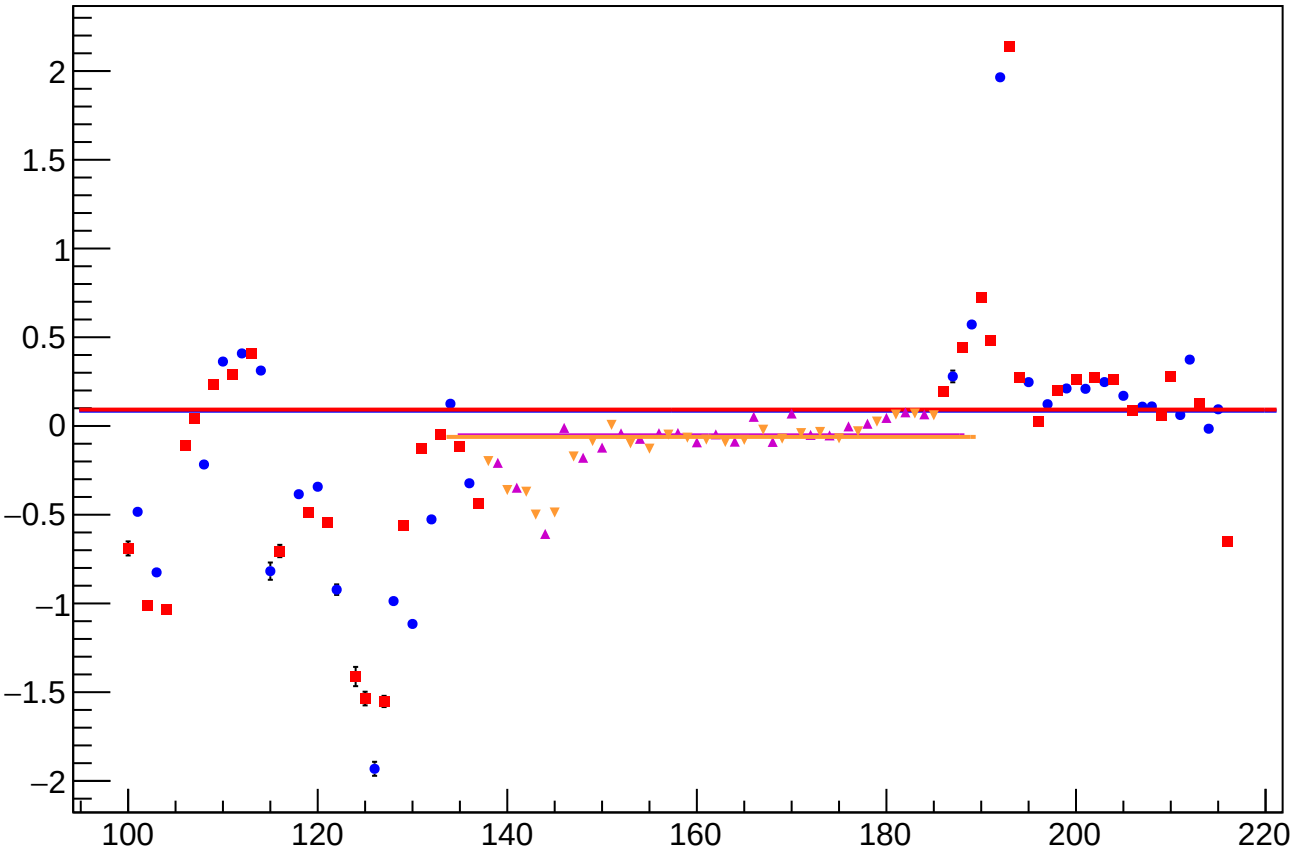
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.783+/-0.036 χ^2/NDF: 13155.1/65

In: -1.014+/-0.029 χ^2/NDF:14354.0/53

Out: -1.020+/-0.030 χ^2/NDF:12706.8/59

All: -1.017+/-0.021 χ^2/NDF: 27060.9/113



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: 0.092+/-0.002 χ^2/NDF: 36006.6/34

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

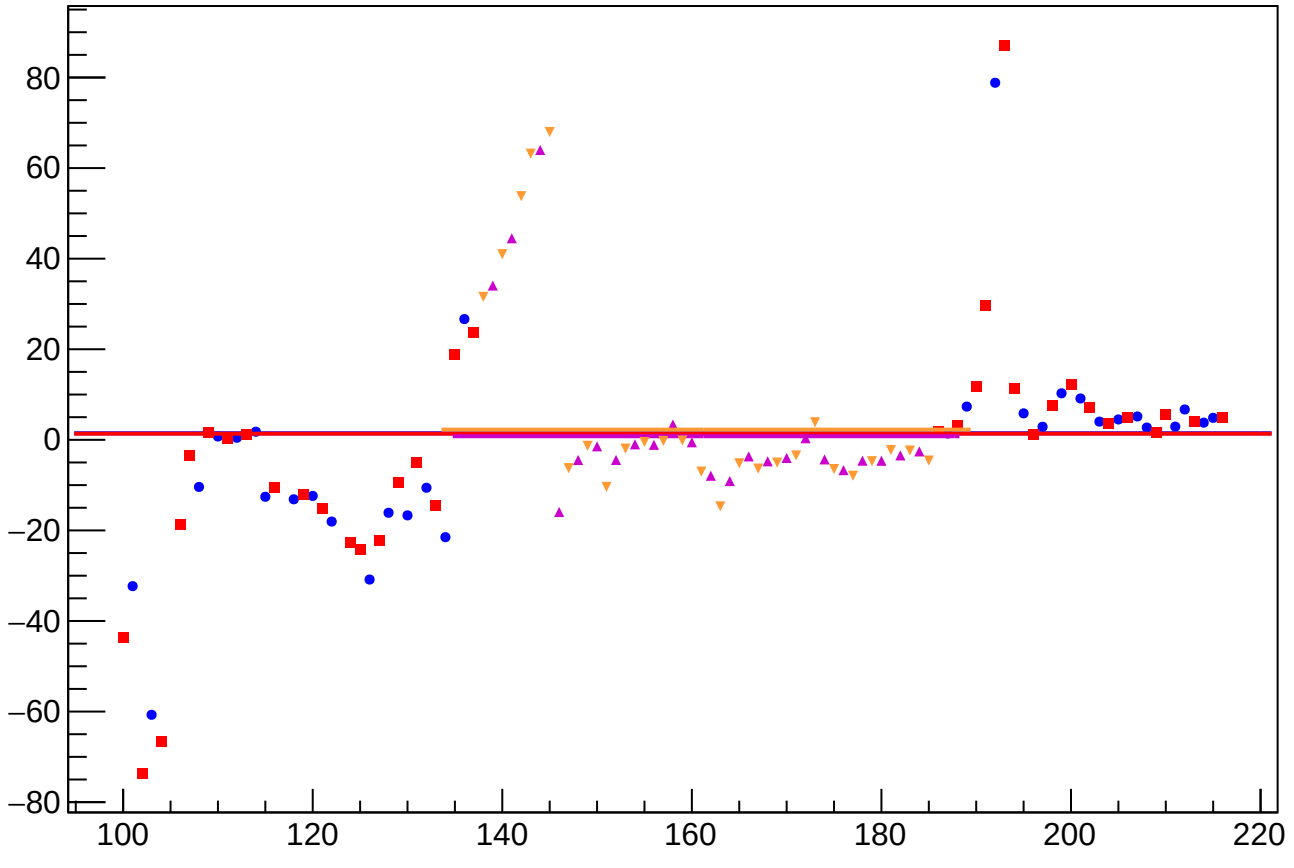
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.089+/-0.002 χ^2/NDF: 69990.4/65

In: -0.010+/-0.001 χ^2/NDF:41544.1/53

Out: -0.009+/-0.001 χ^2/NDF:44638.3/59

All: -0.010+/-0.001 χ^2/NDF: 86182.6/113



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: 1.354+/-0.033 χ^2/NDF: 118989.2/34

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

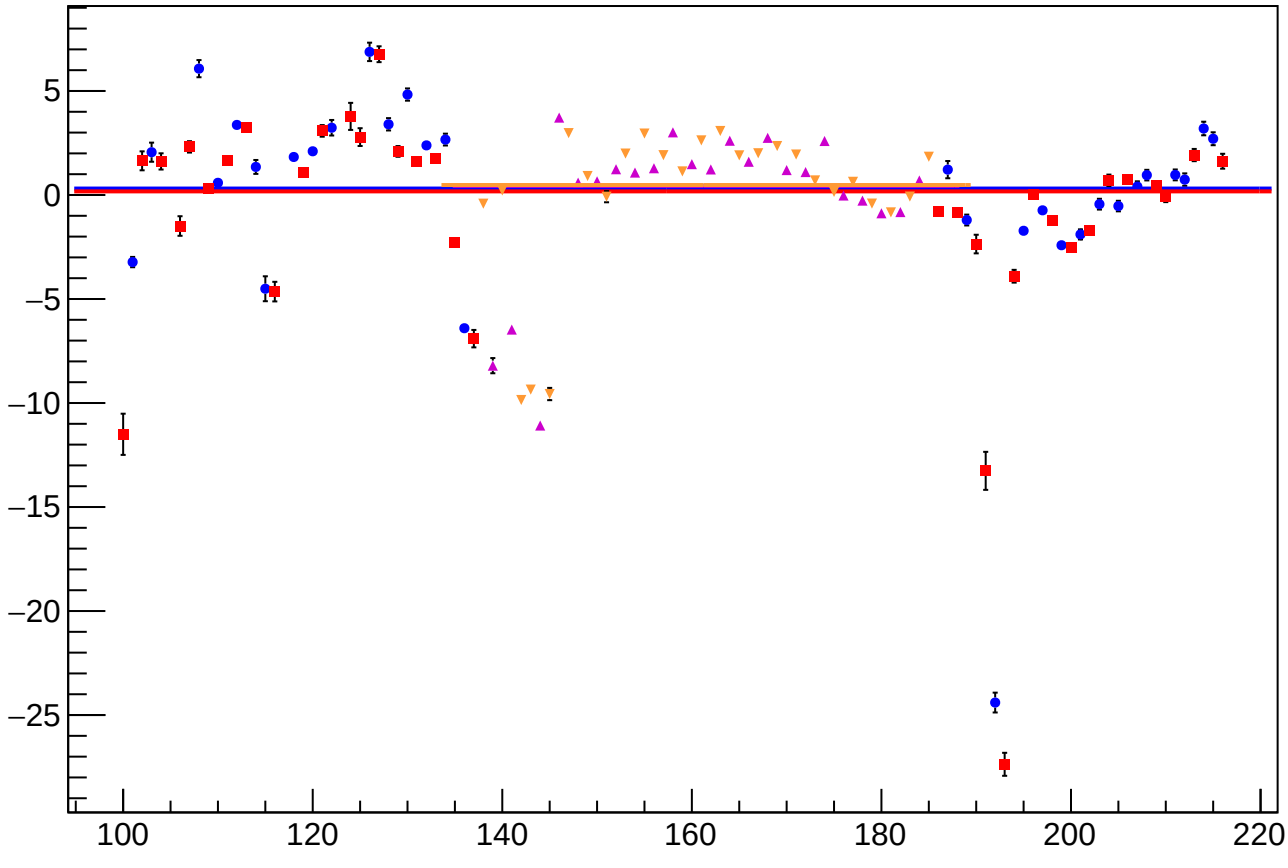
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 1.398+/-0.024 χ^2/NDF: 237551.0/65

In: 1.166+/-0.027 χ^2/NDF:247530.2/53

Out: 1.707+/-0.026 χ^2/NDF:290947.1/59

All: 1.447+/-0.019 χ^2/NDF: 538685.6/113



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: 0.174+/-0.044 χ^2/NDF: 5029.1/34

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

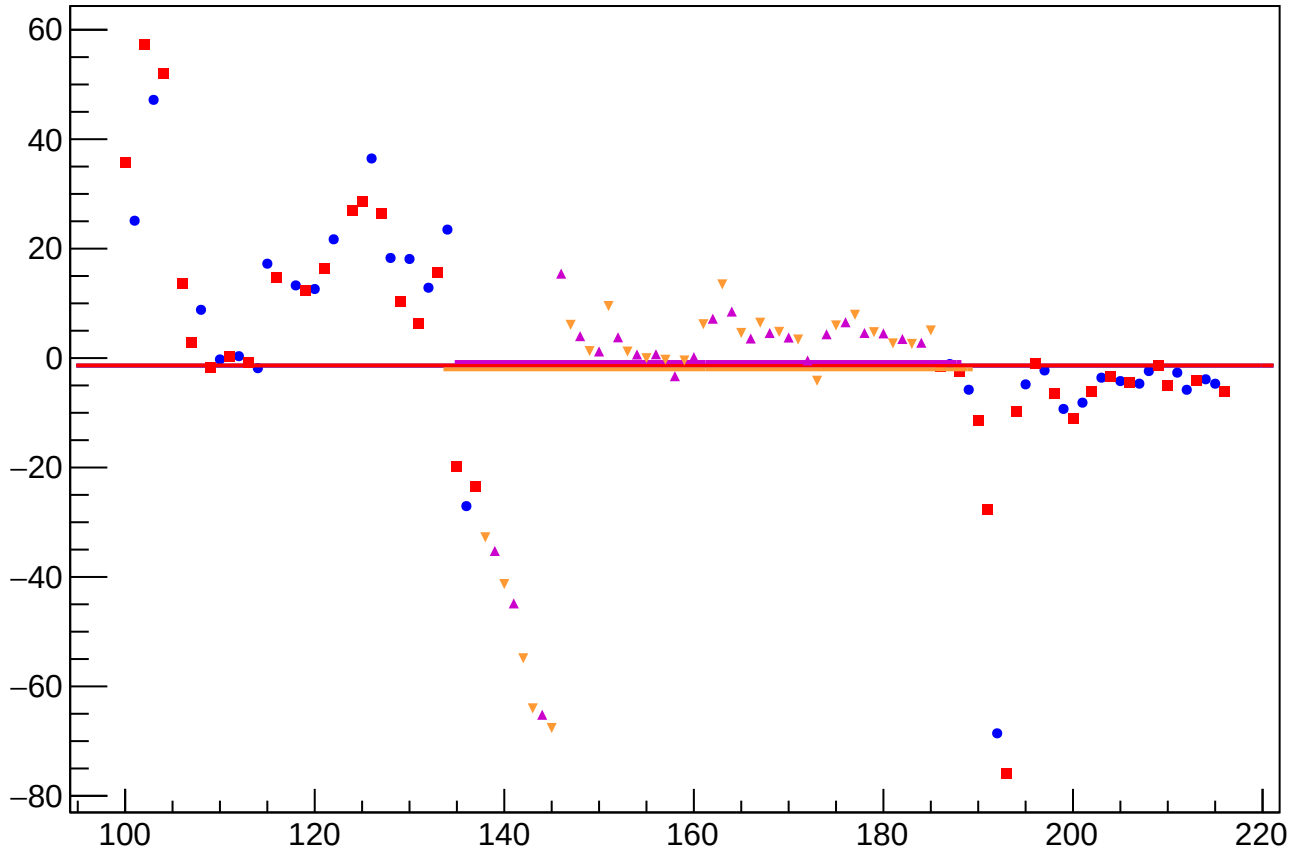
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.239+/-0.031 χ^2/NDF: 10979.0/65

In: 0.396+/-0.026 χ^2/NDF:12844.4/53

Out: 0.364+/-0.027 χ^2/NDF:11867.8/59

All: 0.380+/-0.019 χ^2/NDF: 24712.9/113



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: -1.346+/-0.035 χ^2/NDF: 117183.5/34

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

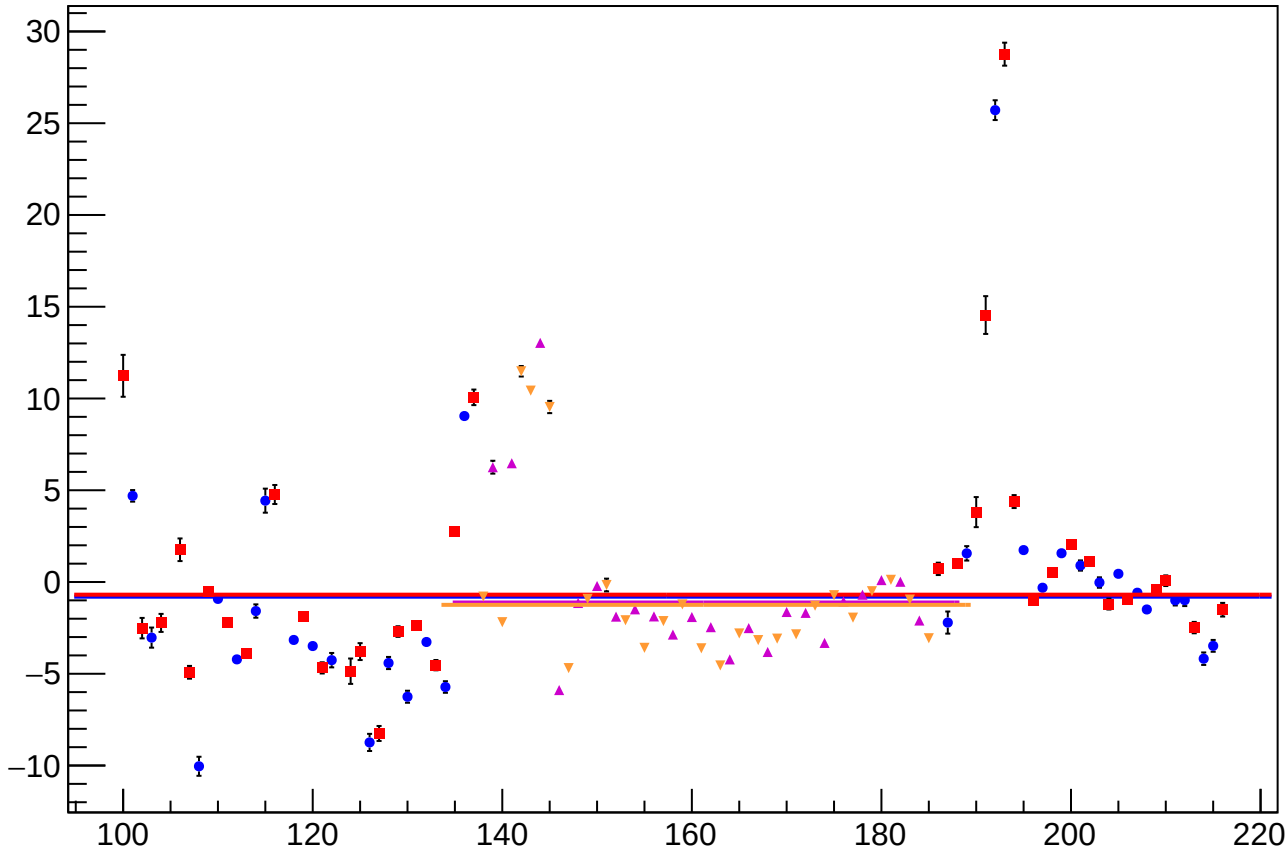
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -1.362+/-0.025 χ^2/NDF: 233999.8/65

In: -1.080+/-0.027 χ^2/NDF:242491.4/53

Out: -1.638+/-0.027 χ^2/NDF:283362.5/59

All: -1.366+/-0.019 χ^2/NDF: 526067.2/113



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: -0.690+/-0.050 χ^2/NDF: 5502.4/34

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

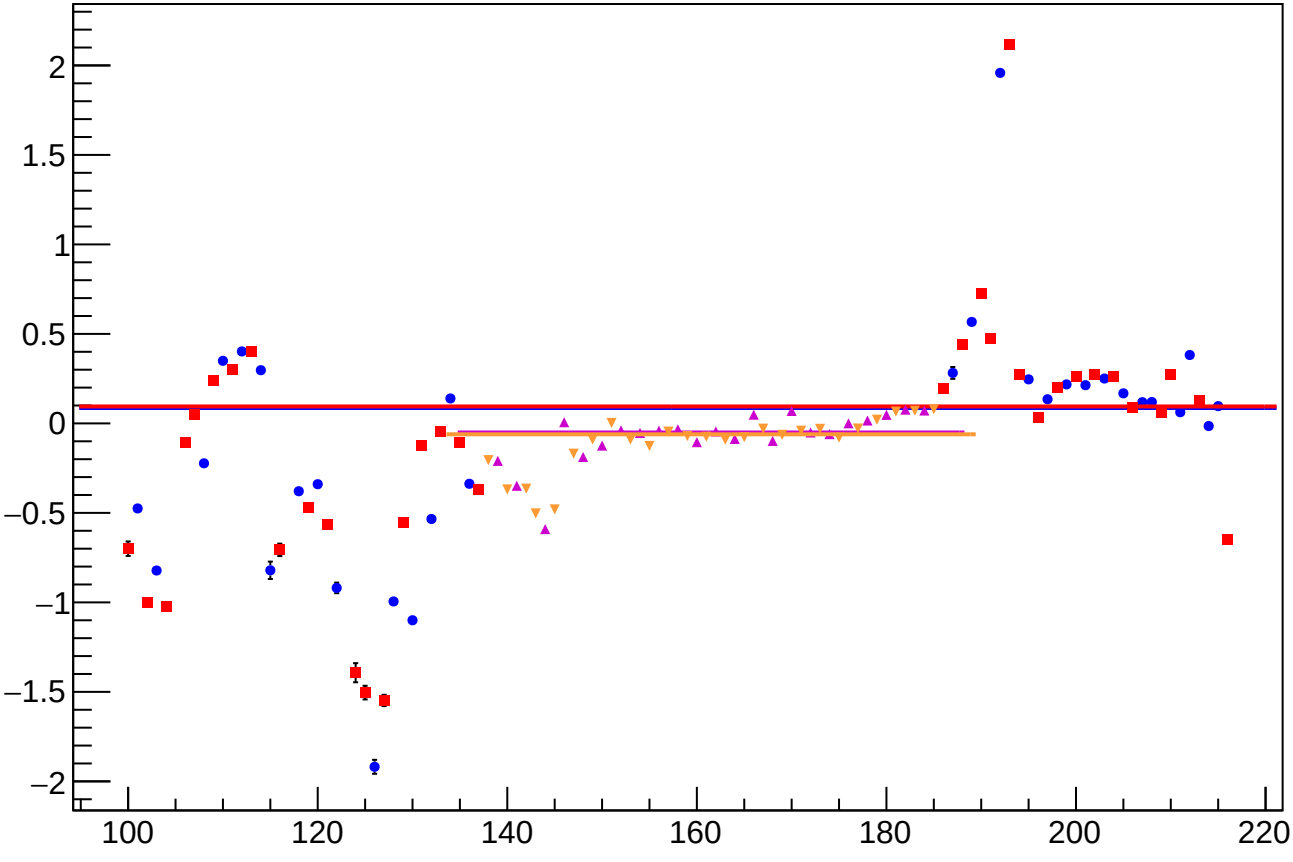
Right: -0.743+/-0.036 χ^2/NDF: 12863.7/65

In: -1.014+/-0.030 χ^2/NDF:14224.5/53

Out: -1.047+/-0.030 χ^2/NDF:12349.5/59

All: -1.031+/-0.021 χ^2/NDF: 26574.6/113

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.095+/-0.002 χ^2/NDF: 35038.7/34

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

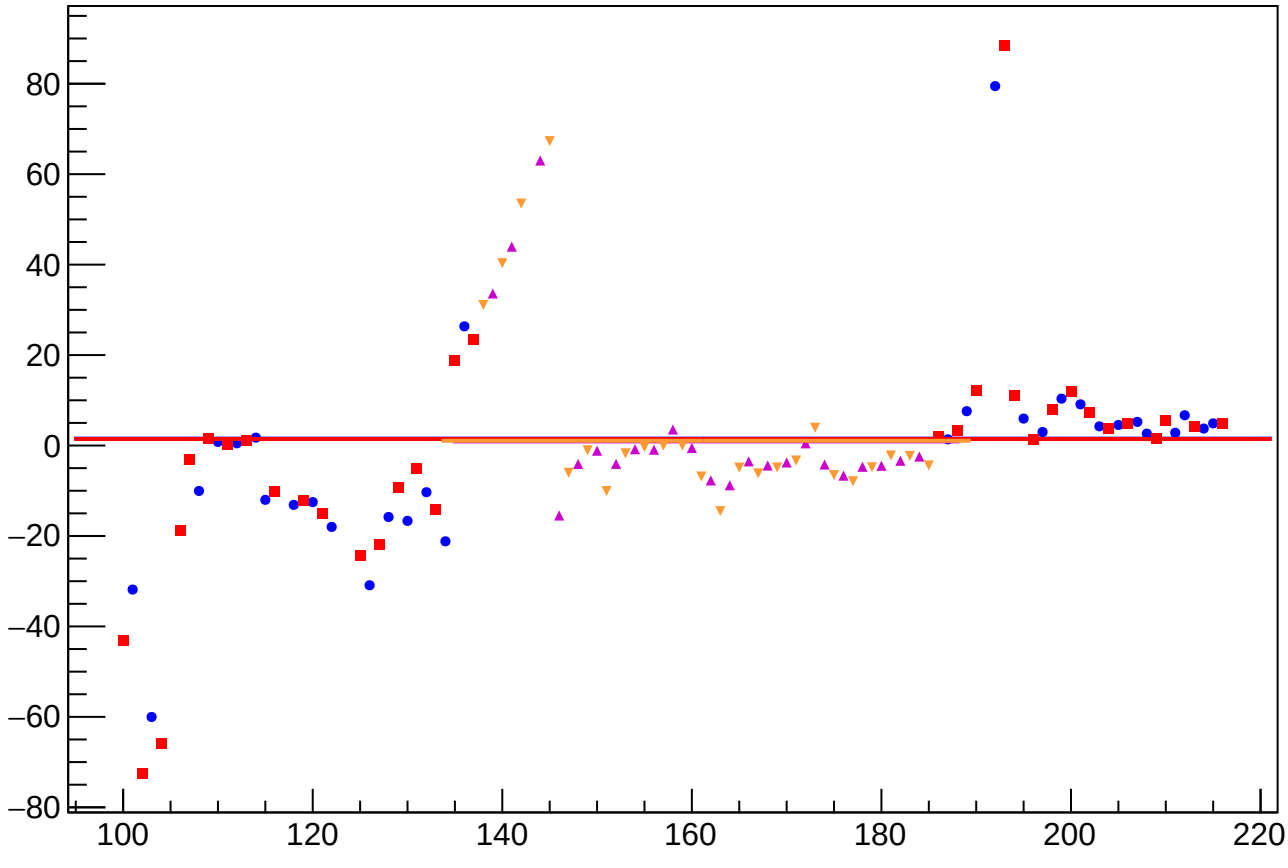
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: 0.090+/-0.002 χ^2/NDF: 68706.3/65

In: -0.009+/-0.001 χ^2/NDF:40940.4/53

Out: -0.009+/-0.001 χ^2/NDF:43572.6/59

All: -0.009+/-0.001 χ^2/NDF: 84513.0/113



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: 1.452+/-0.032 χ^2/NDF: 120054.9/32

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

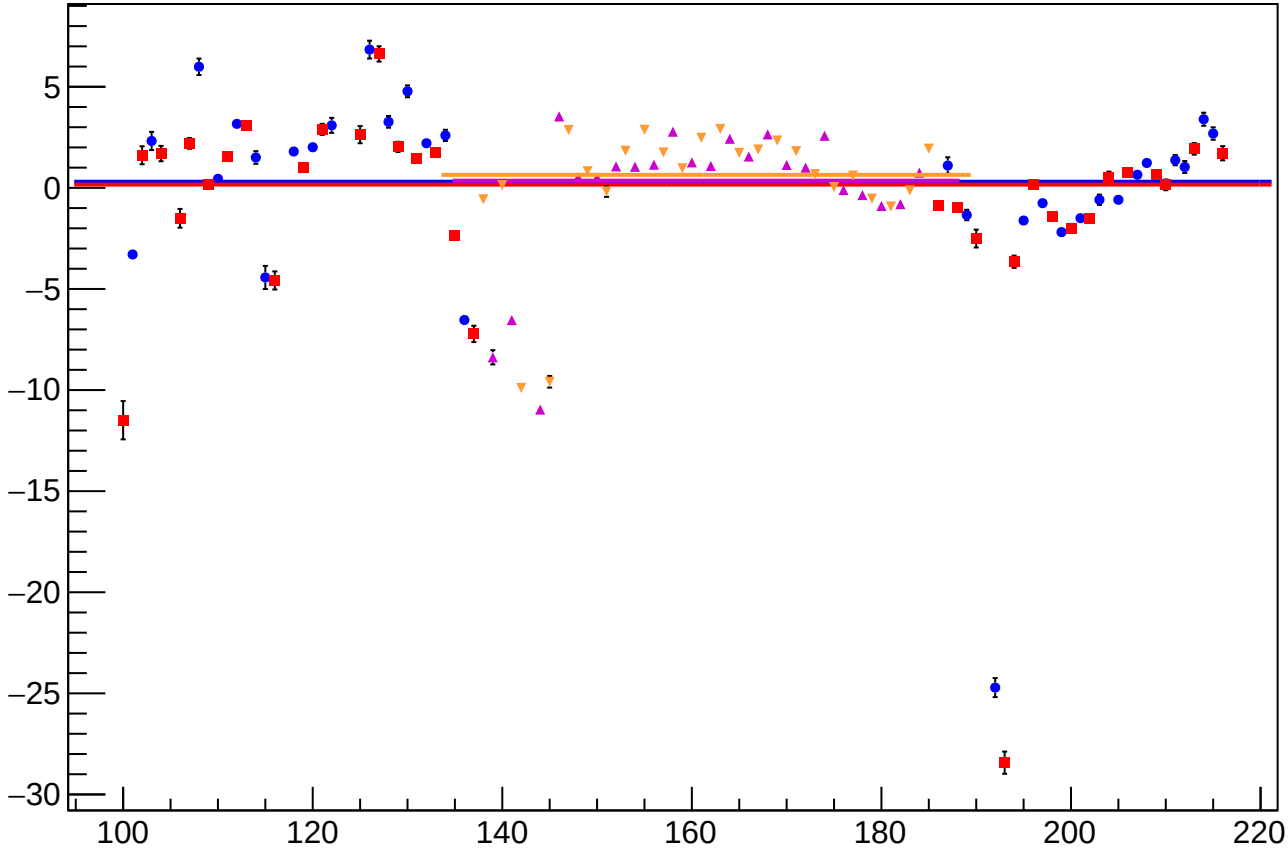
Right: 1.481+/-0.024 χ^2/NDF: 242344.9/63

In: 1.254+/-0.026 χ^2/NDF:255225.9/53

Out: 1.298+/-0.025 χ^2/NDF:251145.1/56

All: 1.277+/-0.018 χ^2/NDF: 506372.4/110

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: 0.162+/-0.042 χ^2/NDF: 5057.4/32

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

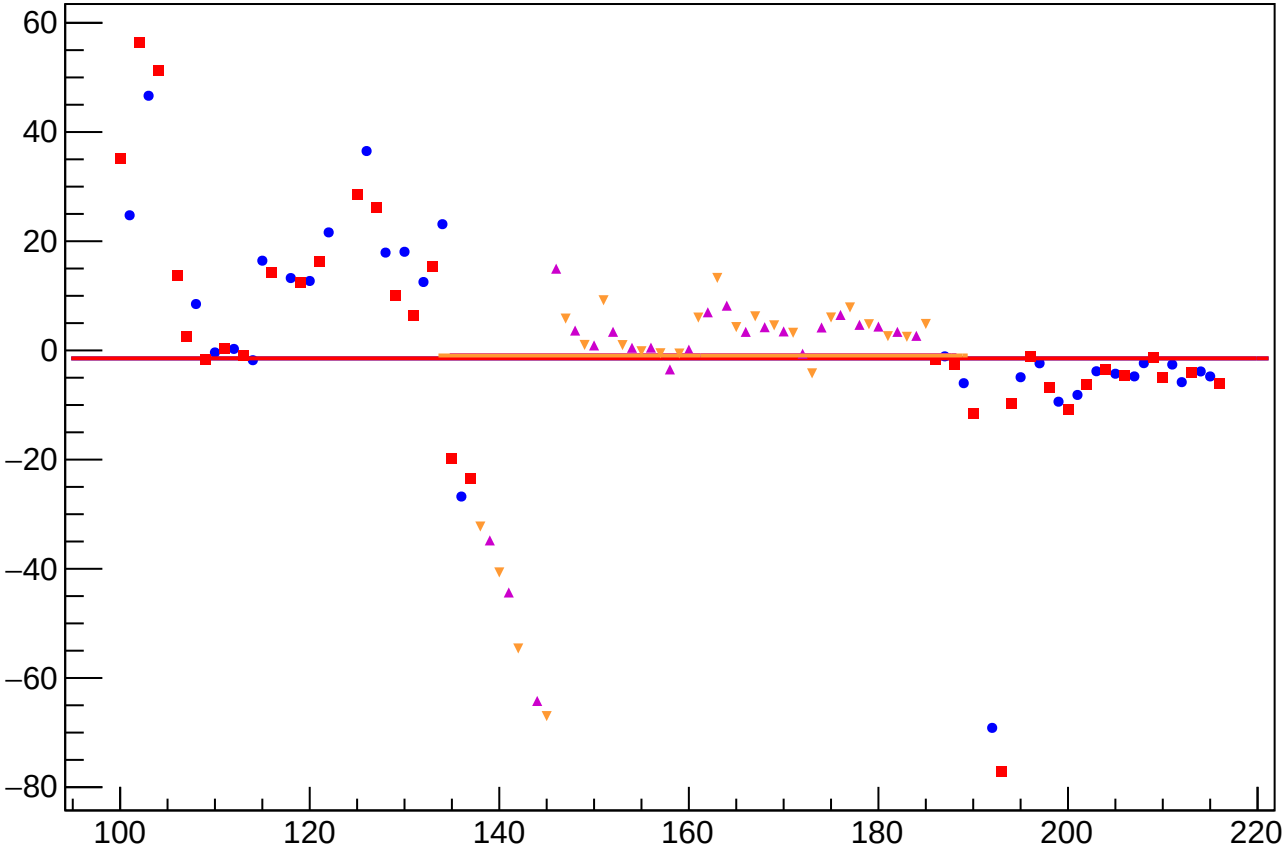
Right: 0.230+/-0.031 χ^2/NDF: 11241.5/63

In: 0.338+/-0.026 χ^2/NDF:13296.8/53

Out: 0.461+/-0.026 χ^2/NDF:9848.4/56

All: 0.398+/-0.018 χ^2/NDF: 23156.4/110

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: -1.454+/-0.034 χ^2/NDF: 118326.4/32

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

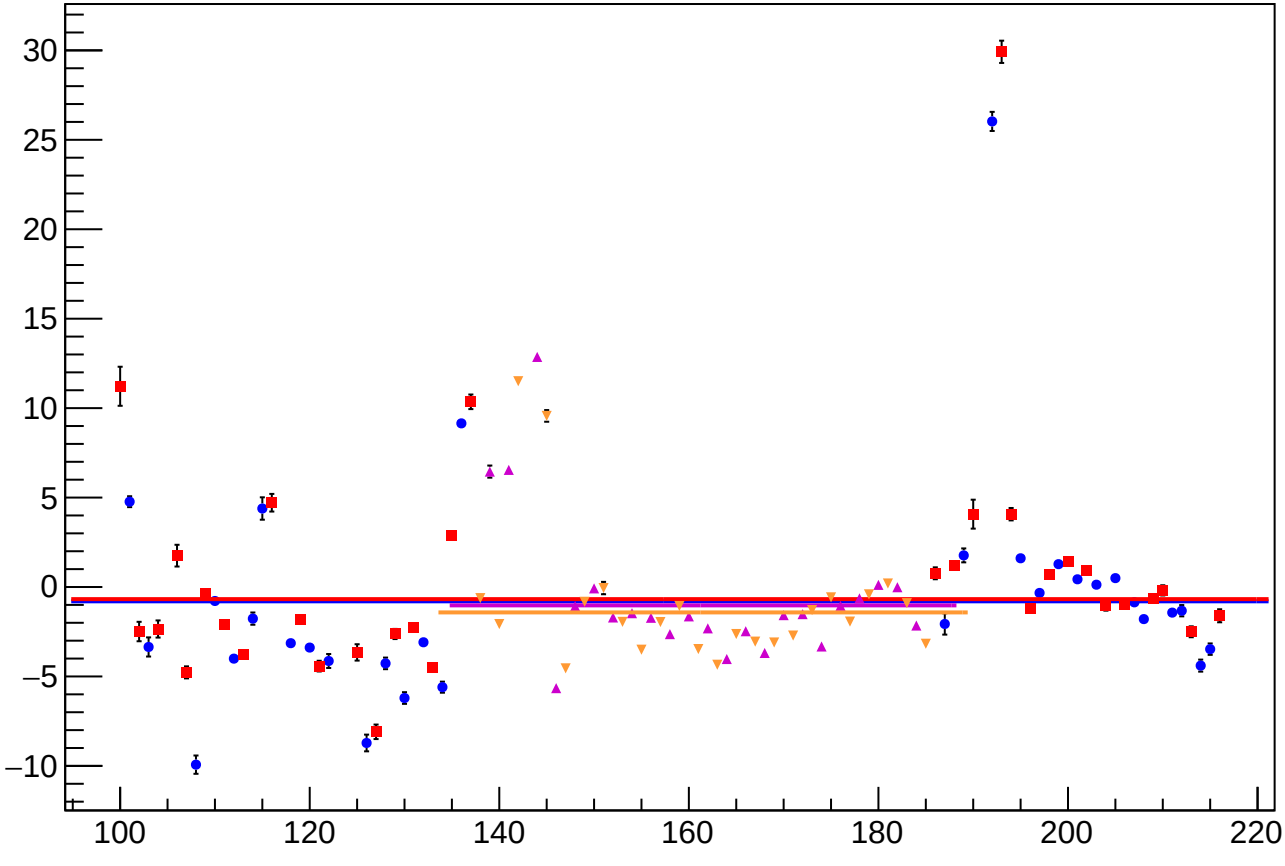
Right: -1.461+/-0.025 χ^2/NDF: 238856.9/63

In: -1.189+/-0.027 χ^2/NDF:250145.4/53

Out: -1.238+/-0.026 χ^2/NDF:244803.8/56

All: -1.214+/-0.019 χ^2/NDF: 494950.9/110

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -0.677+/-0.049 χ^2/NDF: 5551.8/32

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

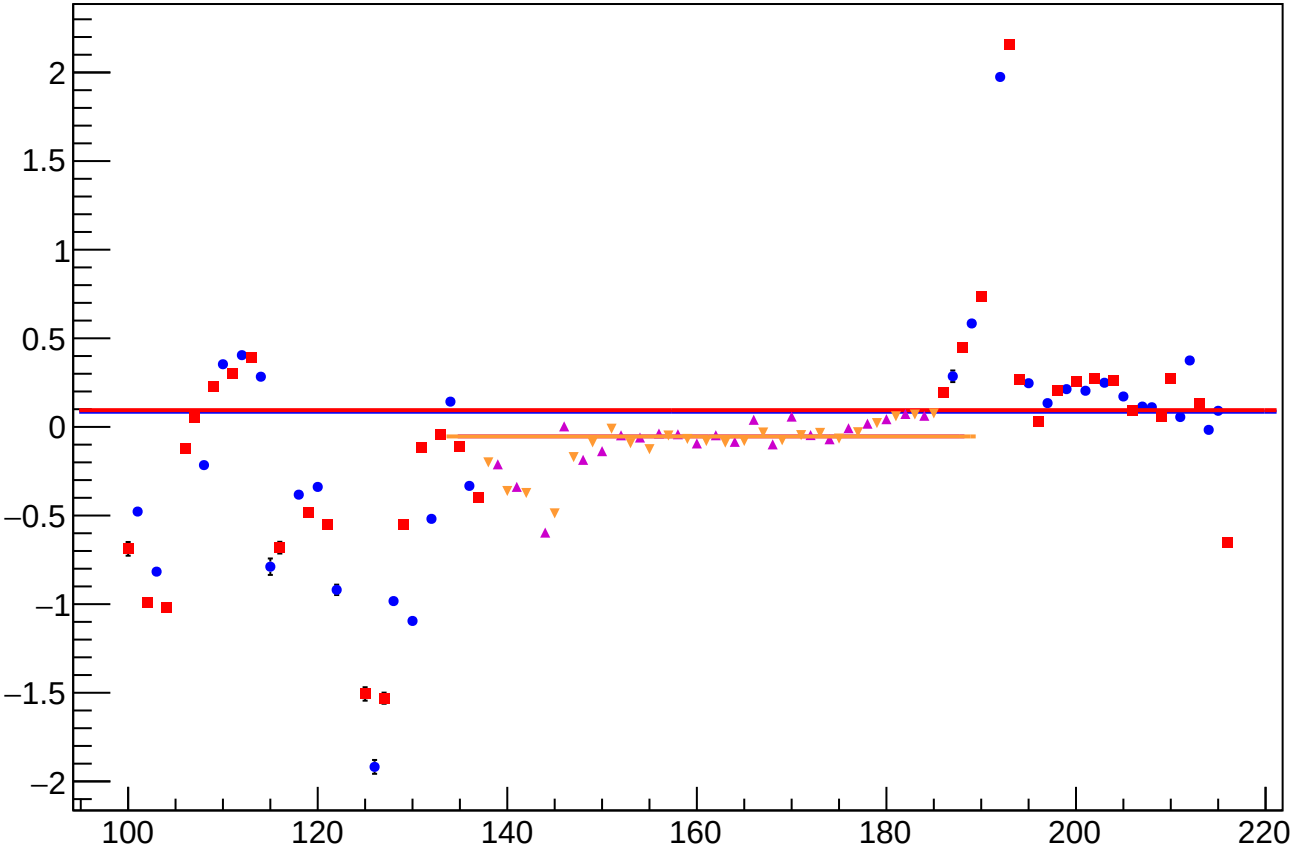
Right: -0.736+/-0.035 χ^2/NDF: 13235.0/63

In: -0.954+/-0.029 χ^2/NDF:14740.8/53

Out: -1.153+/-0.029 χ^2/NDF:10341.6/56

All: -1.051+/-0.020 χ^2/NDF: 25106.0/110

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: 0.095+/-0.002 χ^2/NDF: 35568.0/32

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

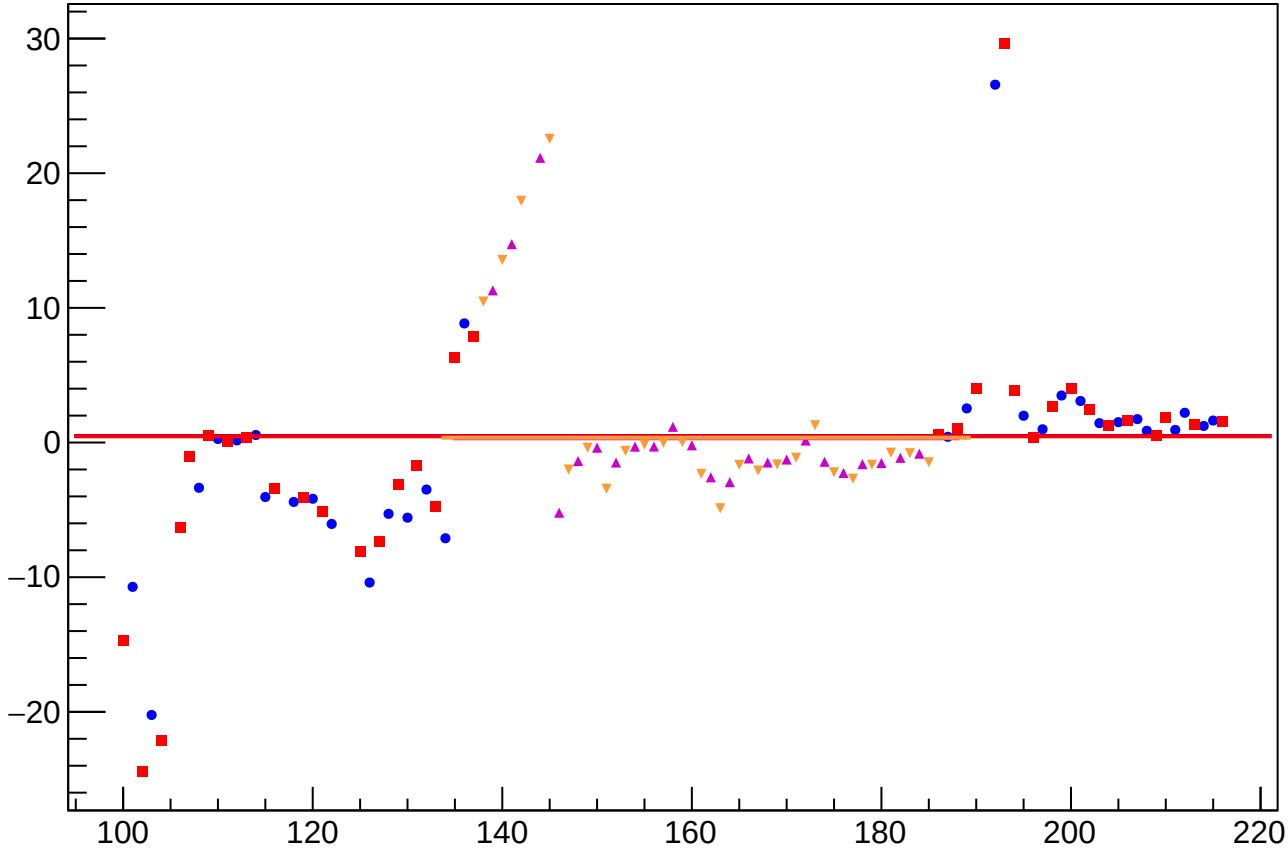
Right: 0.090+/-0.002 χ^2/NDF: 70358.6/63

In: -0.011+/-0.001 χ^2/NDF:42413.6/53

Out: -0.004+/-0.001 χ^2/NDF:42820.6/56

All: -0.008+/-0.001 χ^2/NDF: 85252.0/110

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.465+/-0.011 χ^2/NDF: 118139.6/32

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

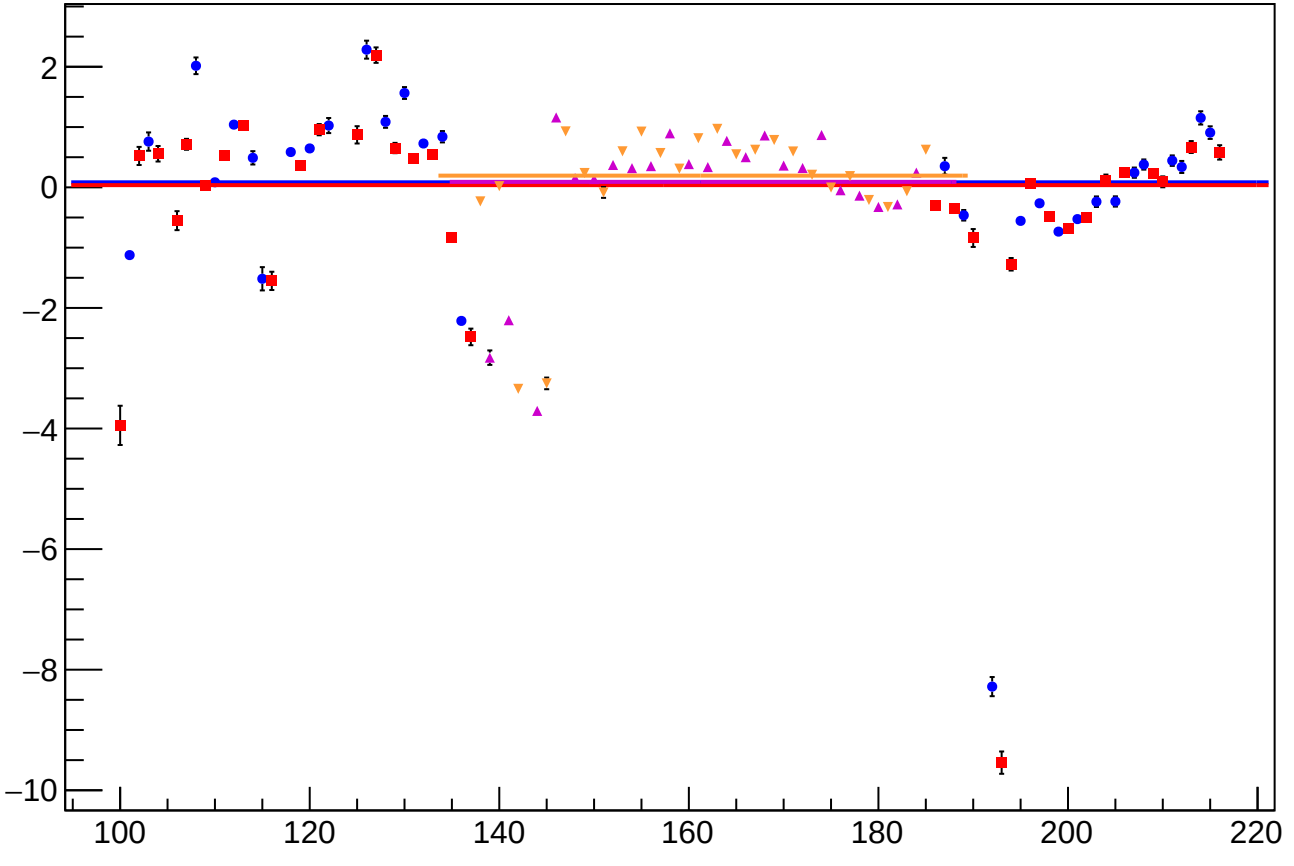
Right: 0.474+/-0.008 χ^2/NDF: 238309.4/63

In: 0.411+/-0.009 χ^2/NDF:250476.7/53

Out: 0.424+/-0.009 χ^2/NDF:247005.2/56

All: 0.418+/-0.006 χ^2/NDF: 497482.9/110

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.037+/-0.015 χ^2/NDF: 4970.0/32

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

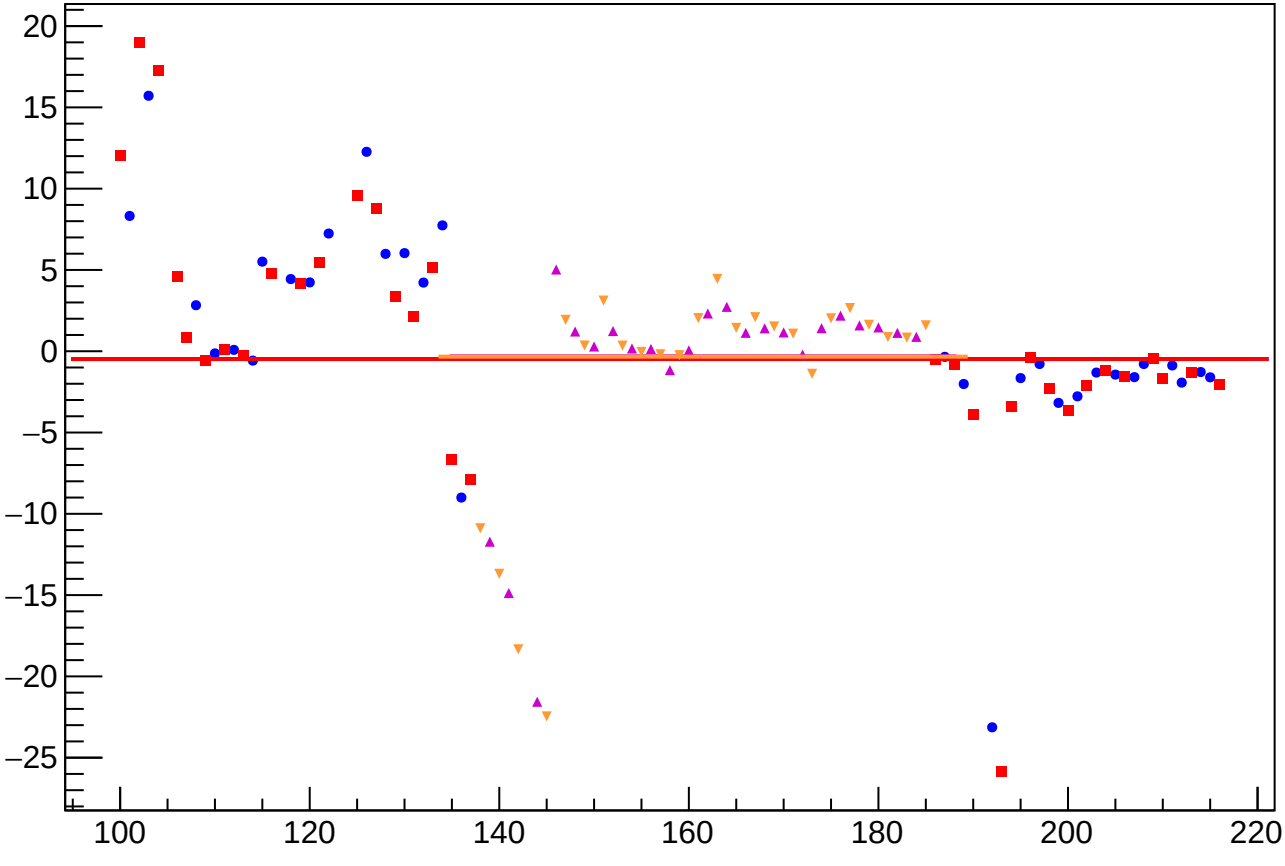
Right: 0.059+/-0.010 χ^2/NDF: 11031.2/63

In: 0.089+/-0.009 χ^2/NDF:12992.9/53

Out: 0.135+/-0.009 χ^2/NDF:9688.0/56

All: 0.111+/-0.006 χ^2/NDF: 22694.6/110

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: -0.477+/-0.012 χ^2/NDF: 116479.5/32

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

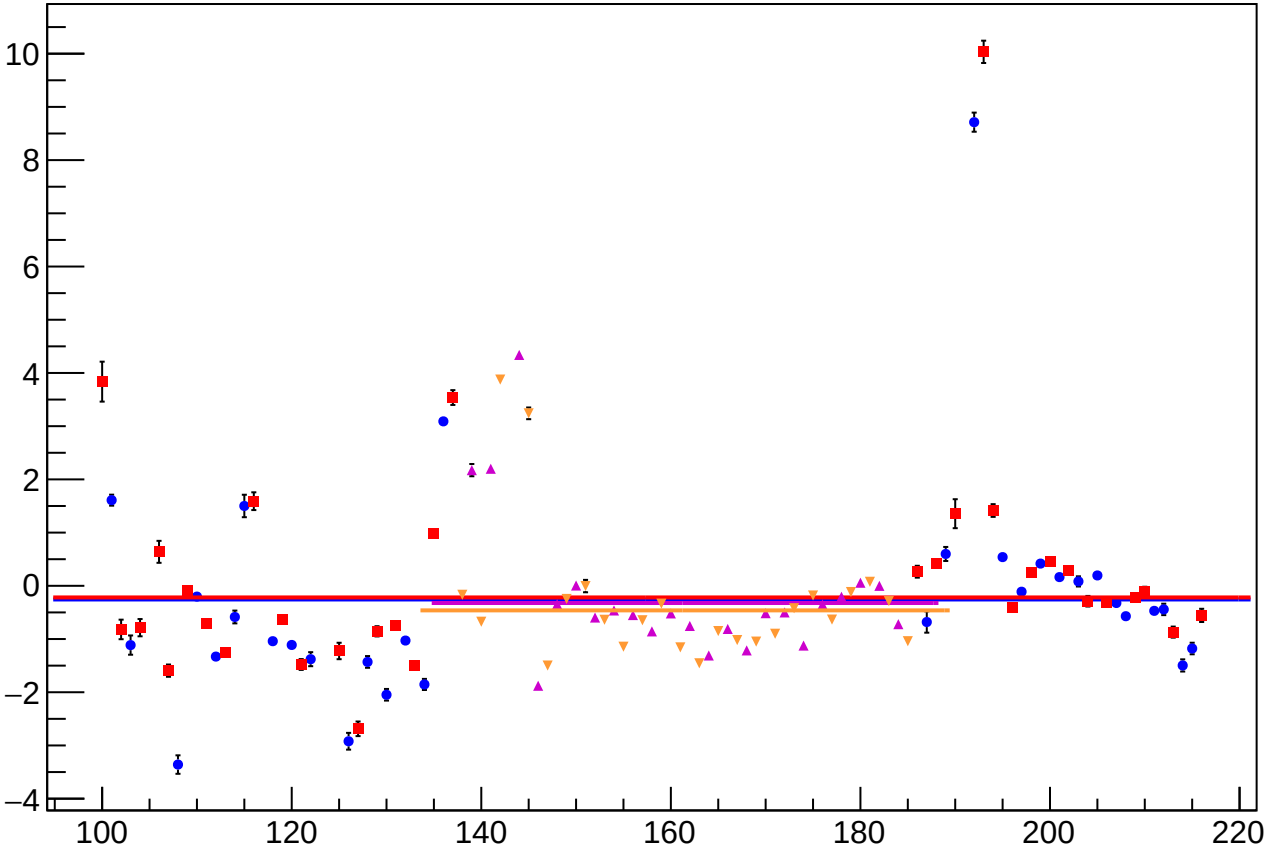
Right: -0.479+/-0.008 χ^2/NDF: 234949.1/63

In: -0.404+/-0.009 χ^2/NDF:245551.8/53

Out: -0.417+/-0.009 χ^2/NDF:240777.1/56

All: -0.411+/-0.006 χ^2/NDF: 486330.0/110

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: -0.218+/-0.017 χ^2/NDF: 5458.8/32

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

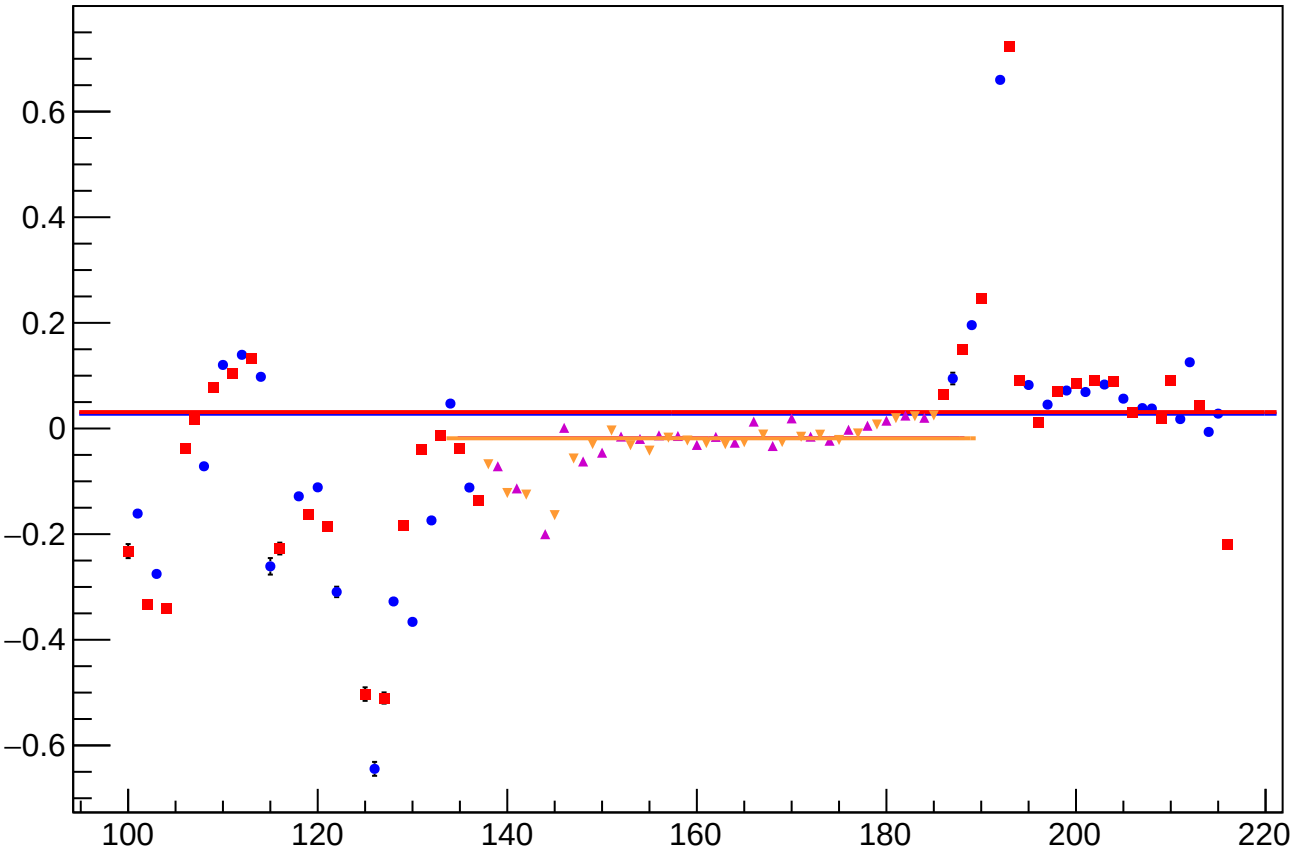
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.237+/-0.012 χ^2/NDF: 12990.2/63

In: -0.302+/-0.010 χ^2/NDF:14420.6/53

Out: -0.375+/-0.010 χ^2/NDF:10173.5/56

All: -0.338+/-0.007 χ^2/NDF: 24621.1/110



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: 0.031+/-0.001 χ^2/NDF: 34889.6/32

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

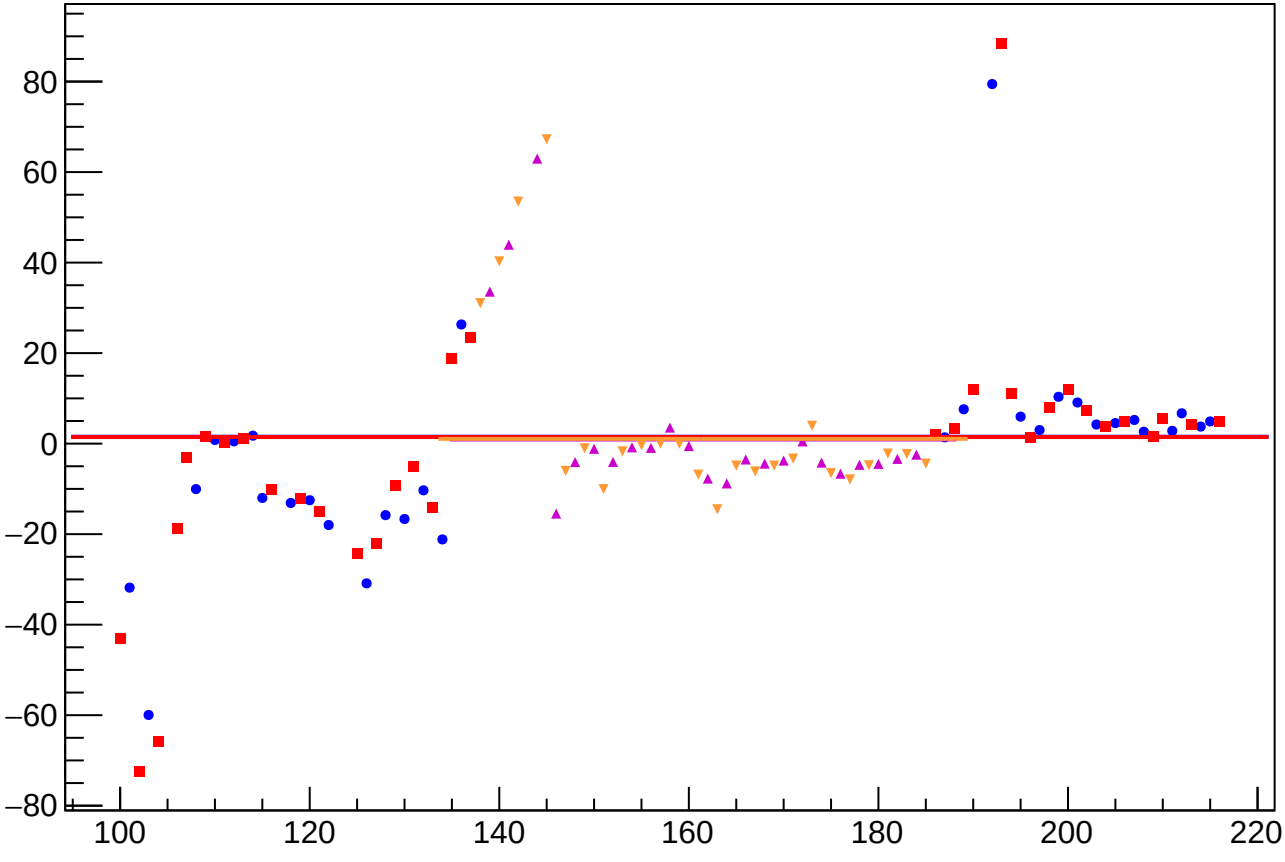
Right: 0.030+/-0.001 χ^2/NDF: 69088.8/63

In: -0.004+/-0.000 χ^2/NDF:41506.8/53

Out: -0.002+/-0.000 χ^2/NDF:41891.3/56

All: -0.003+/-0.000 χ^2/NDF: 83411.3/110

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: 1.457+/-0.032 χ^2/NDF: 120081.0/32

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

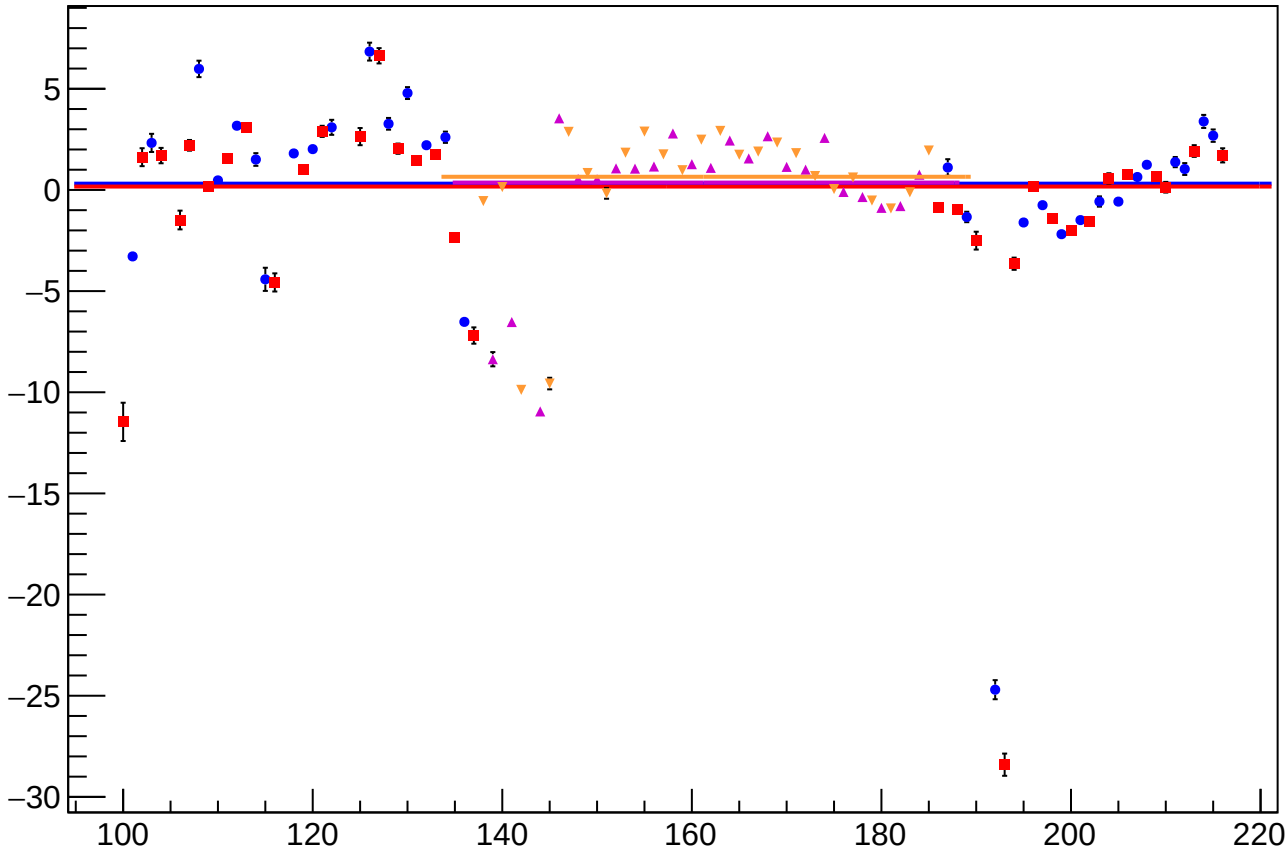
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: 1.487+/-0.024 χ^2/NDF: 242395.7/63

In: 1.259+/-0.026 χ^2/NDF:255260.5/53

Out: 1.303+/-0.025 χ^2/NDF:251151.1/56

All: 1.282+/-0.018 χ^2/NDF: 506413.1/110



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: 0.168+/-0.042 χ^2/NDF: 5058.2/32

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

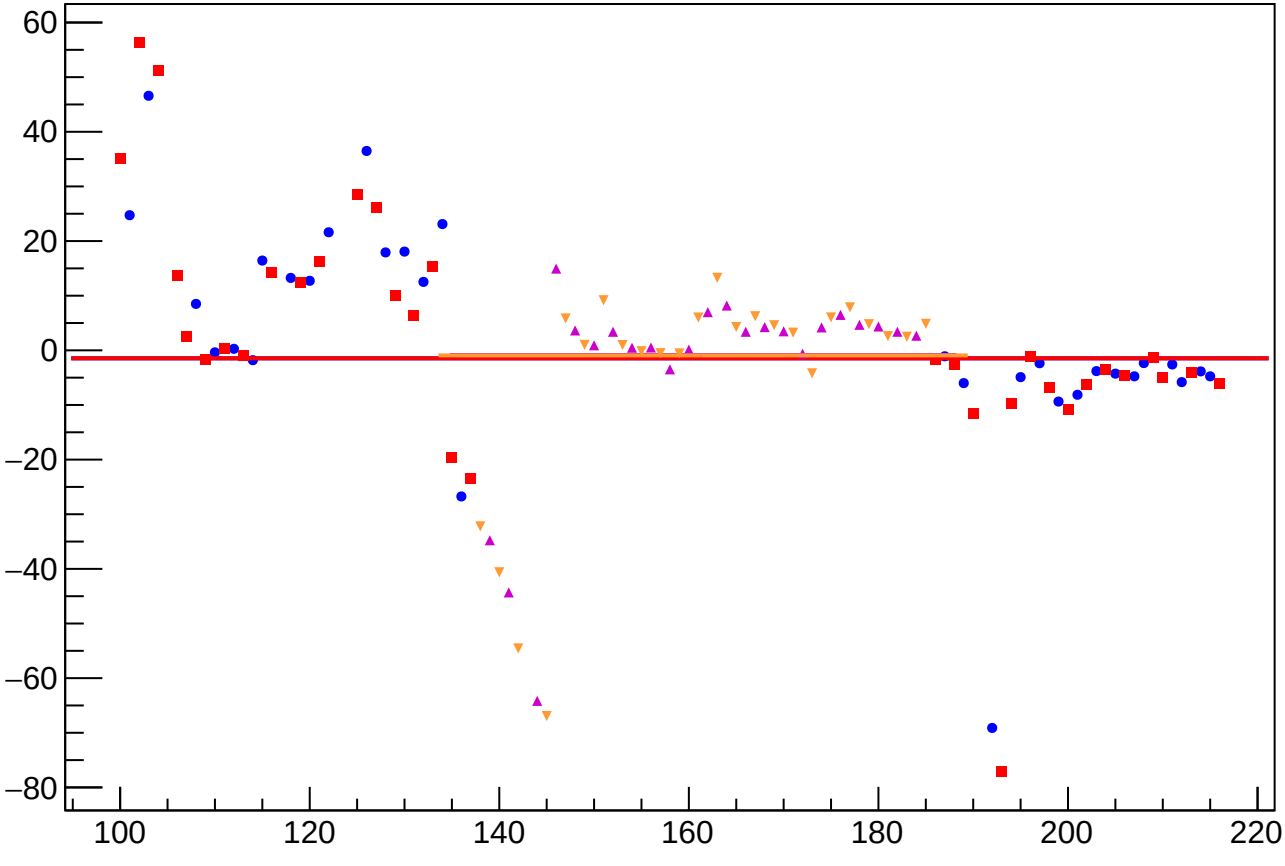
Right: 0.236+/-0.031 χ^2/NDF: 11245.1/63

In: 0.346+/-0.026 χ^2/NDF:13304.8/53

Out: 0.467+/-0.026 χ^2/NDF:9847.9/56

All: 0.406+/-0.018 χ^2/NDF: 23163.6/110

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -1.454+/-0.034 χ^2/NDF: 118346.8/32

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

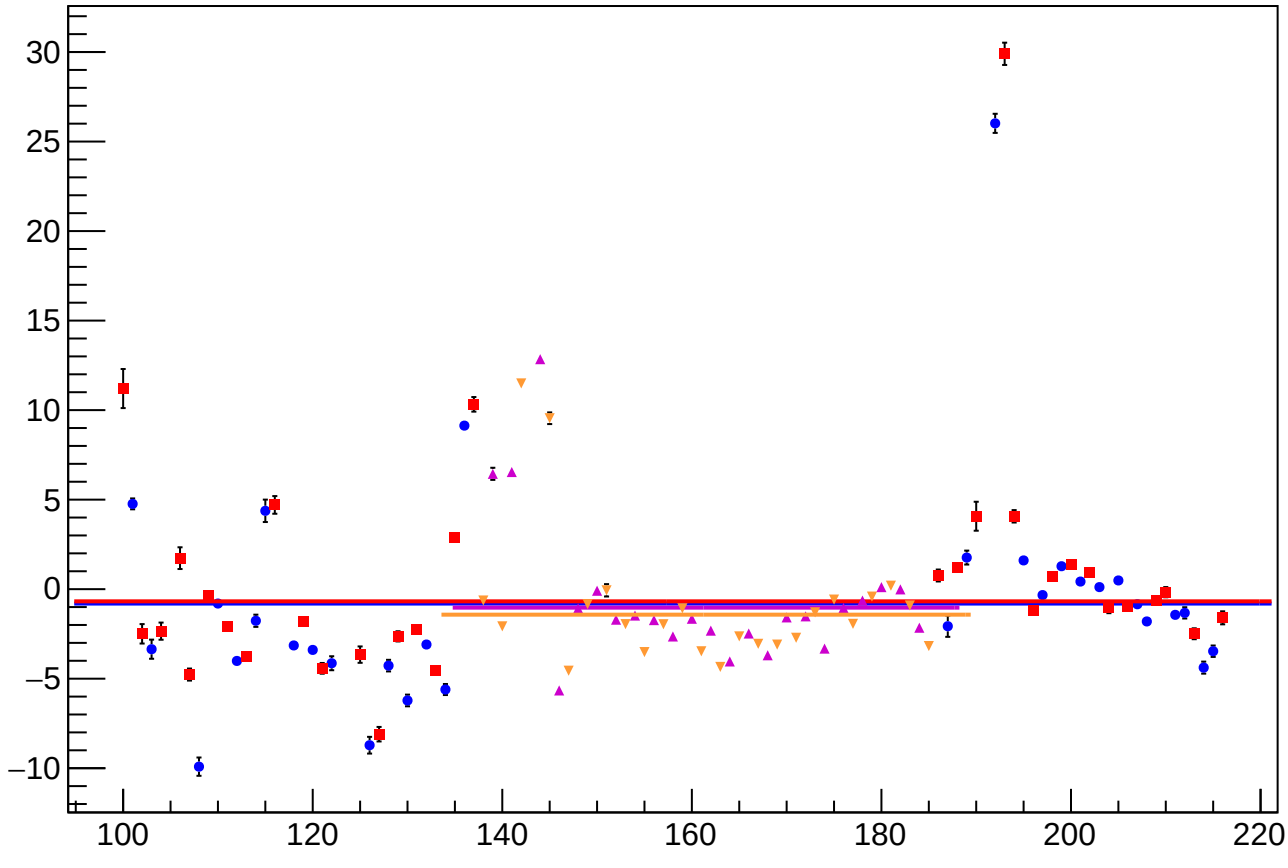
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -1.461+/-0.025 χ^2/NDF: 238898.3/63

In: -1.188+/-0.027 χ^2/NDF:250173.7/53

Out: -1.237+/-0.026 χ^2/NDF:244806.5/56

All: -1.213+/-0.019 χ^2/NDF: 494981.9/110



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: -0.680+/-0.049 χ^2/NDF: 5551.5/32

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

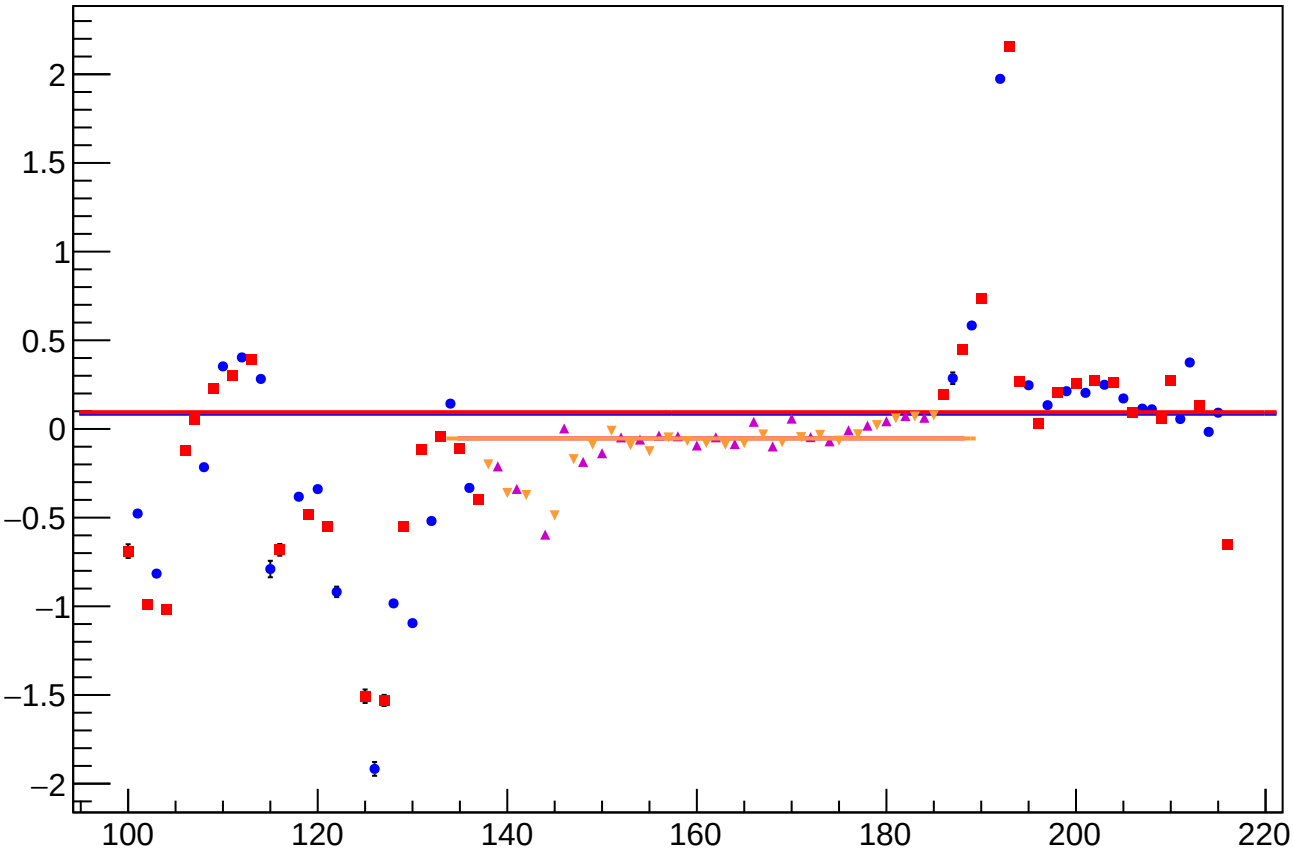
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.740+/-0.035 χ^2/NDF: 13236.4/63

In: -0.959+/-0.029 χ^2/NDF:14746.9/53

Out: -1.157+/-0.029 χ^2/NDF:10340.1/56

All: -1.056+/-0.020 χ^2/NDF: 25110.3/110



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: 0.095+/-0.002 χ^2/NDF: 35585.1/32

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

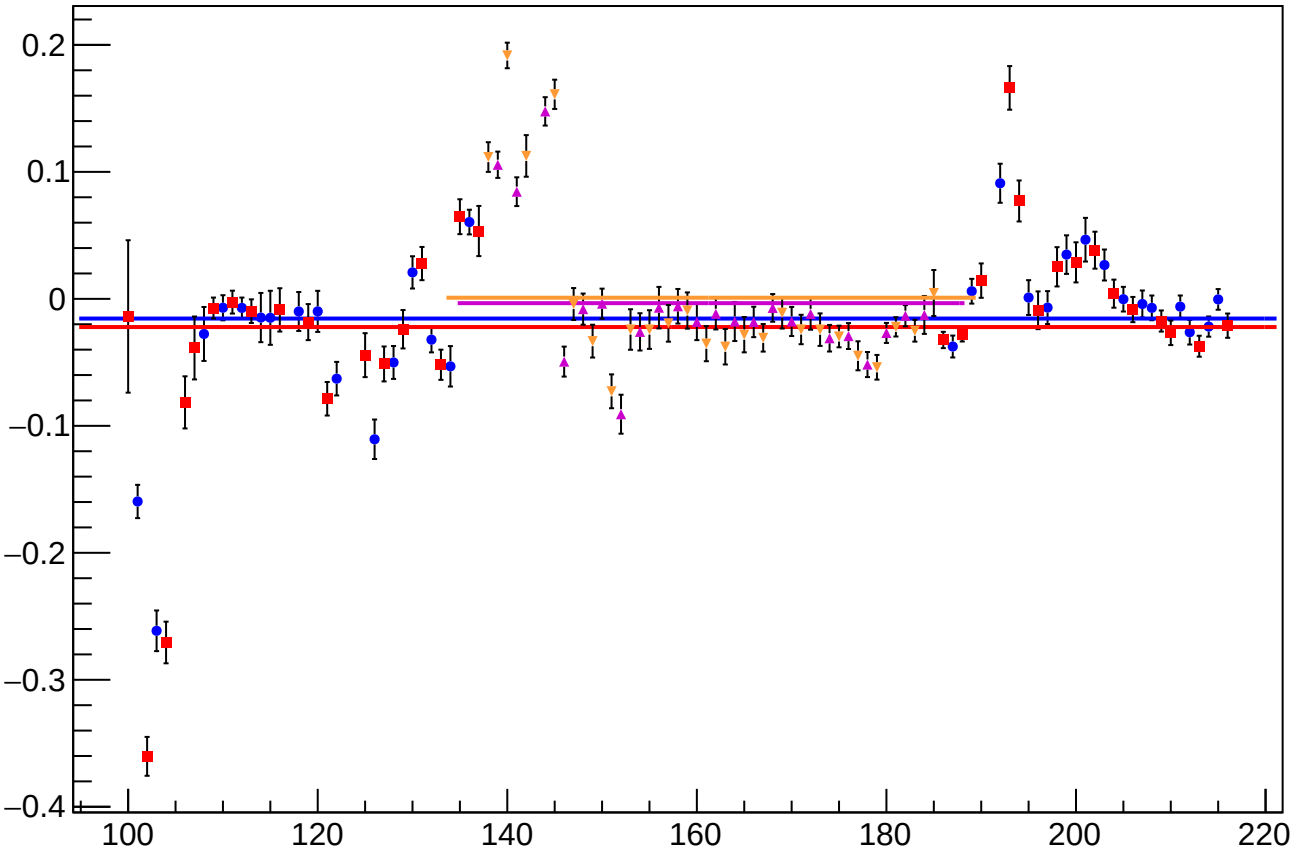
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.090+/-0.002 χ^2/NDF: 70384.7/63

In: -0.011+/-0.001 χ^2/NDF:42431.8/53

Out: -0.004+/-0.001 χ^2/NDF:42840.8/56

All: -0.008+/-0.001 χ^2/NDF: 85290.7/110



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: 1054.6/32

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

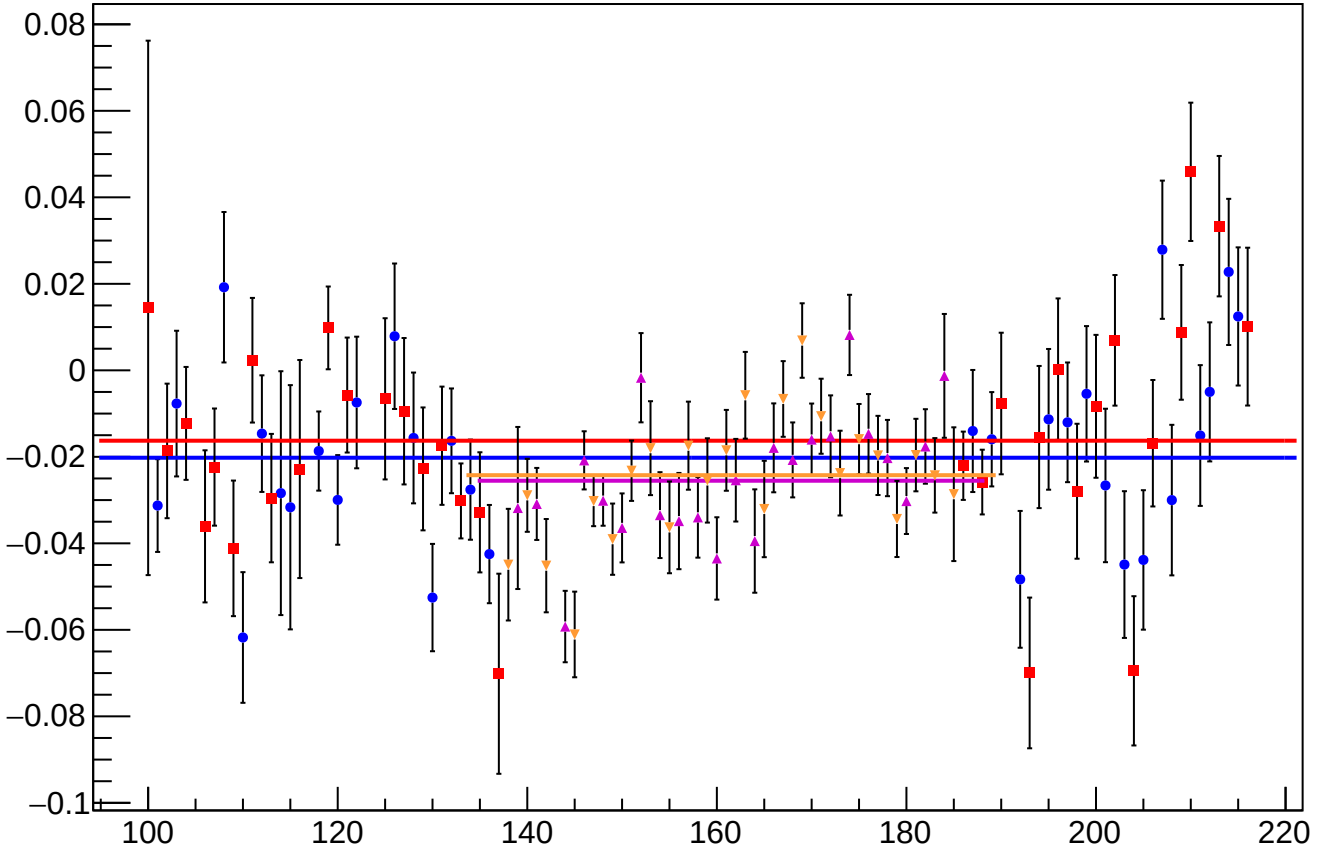
Right: -0.019+/-0.001 χ^2/NDF: 1662.3/63

In: -0.010+/-0.002 χ^2/NDF:1074.7/53

Out: -0.013+/-0.002 χ^2/NDF:1959.8/56

All: -0.012+/-0.001 χ^2/NDF: 3035.8/110

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: -0.016+/-0.002 χ^2/NDF: 79.8/32

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

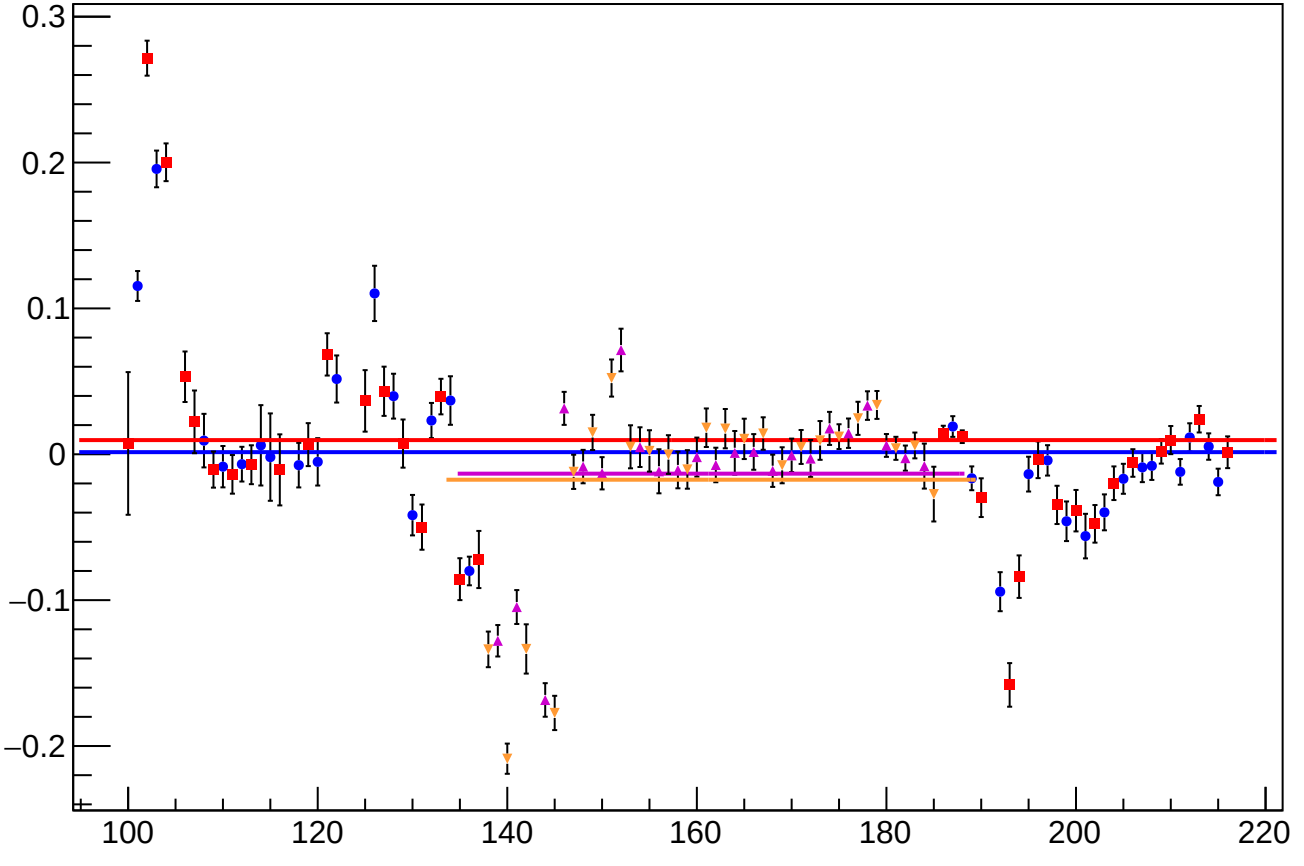
Right: -0.018+/-0.002 χ^2/NDF: 141.9/63

In: -0.024+/-0.002 χ^2/NDF:118.7/53

Out: -0.021+/-0.001 χ^2/NDF:140.4/56

All: -0.022+/-0.001 χ^2/NDF: 260.4/110

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: 1047.0/32

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

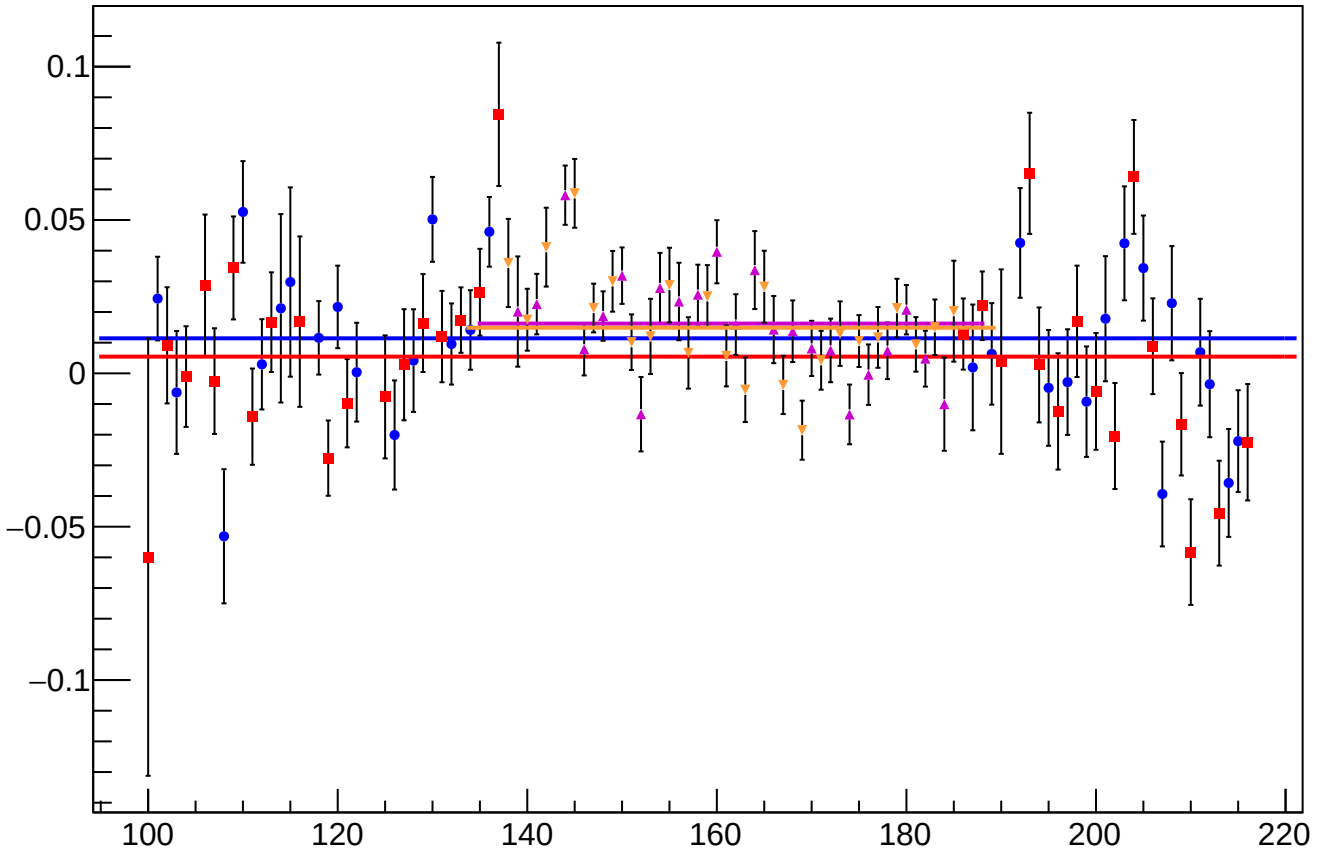
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.006+/-0.001 χ^2/NDF: 1669.7/63

In: -0.005+/-0.002 χ^2/NDF:1094.4/53

Out: -0.001+/-0.001 χ^2/NDF:1937.7/56

All: -0.003+/-0.001 χ^2/NDF: 3035.3/110



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: 0.005+/-0.003 χ^2/NDF: 84.0/32

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

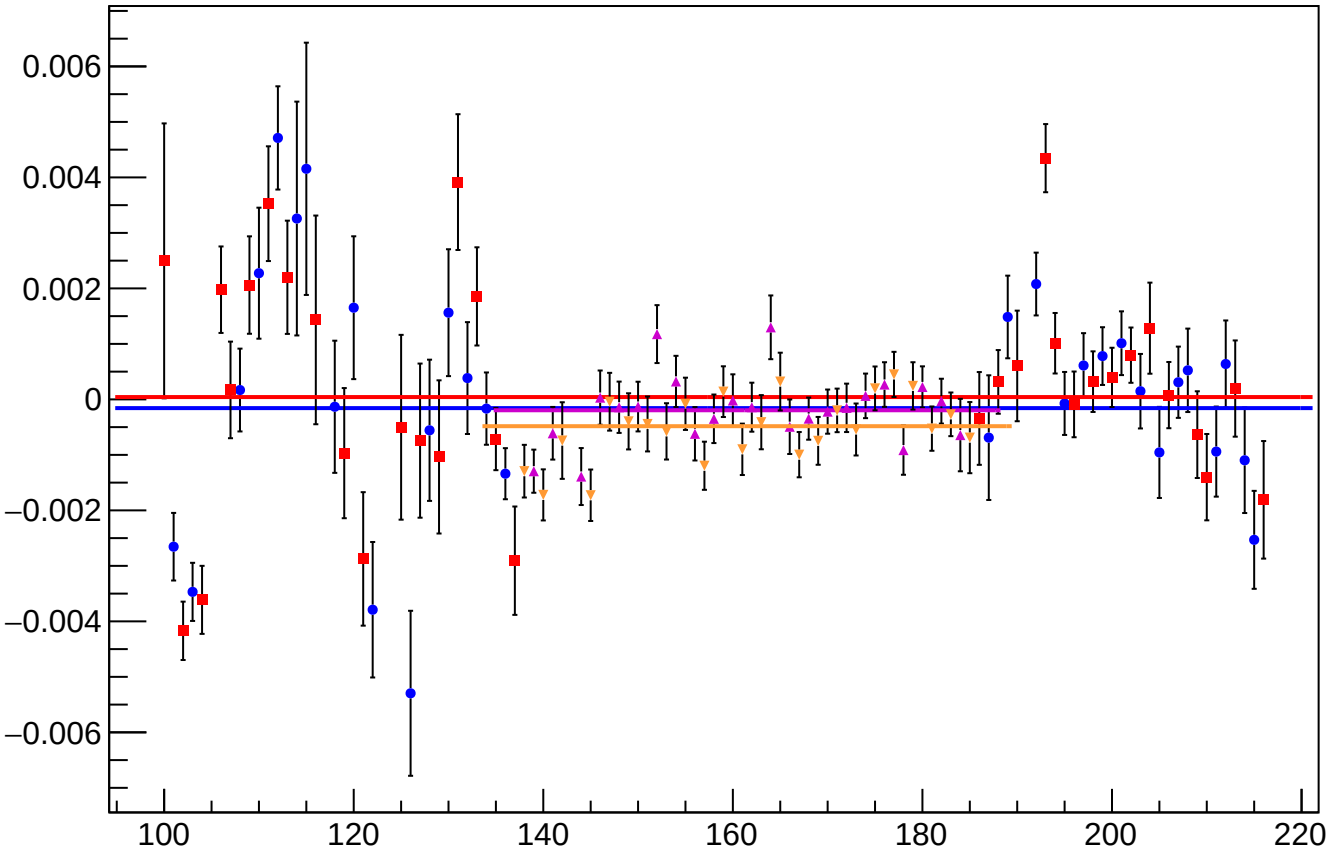
Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

Right: 0.008+/-0.002 χ^2/NDF: 157.1/63

In: 0.015+/-0.002 χ^2/NDF:130.8/53

Out: 0.012+/-0.002 χ^2/NDF:143.0/56

All: 0.013+/-0.001 χ^2/NDF: 275.3/110



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: 227.1/32

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

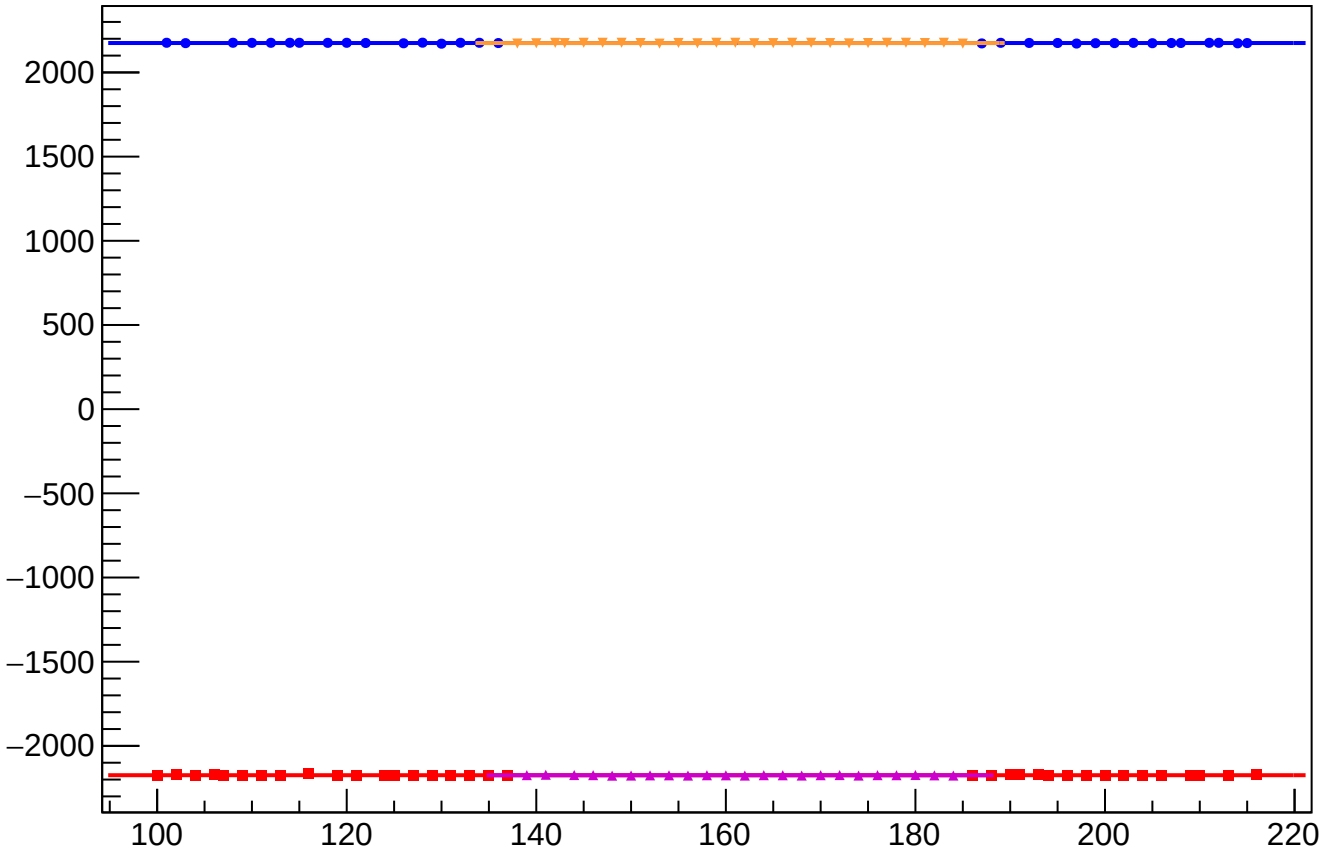
Right: -0.000+/-0.000 χ^2/NDF: 397.5/63

In: -0.000+/-0.000 χ^2/NDF:206.7/53

Out: -0.000+/-0.000 χ^2/NDF:278.4/56

All: -0.000+/-0.000 χ^2/NDF: 486.3/110

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:52116844463194421571996575984517l2.0/24

Right Out: -2174.192+/-0.000 χ^2/NDF: 11993459587043095493265054372986880.0/34

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638l5729152.0/22

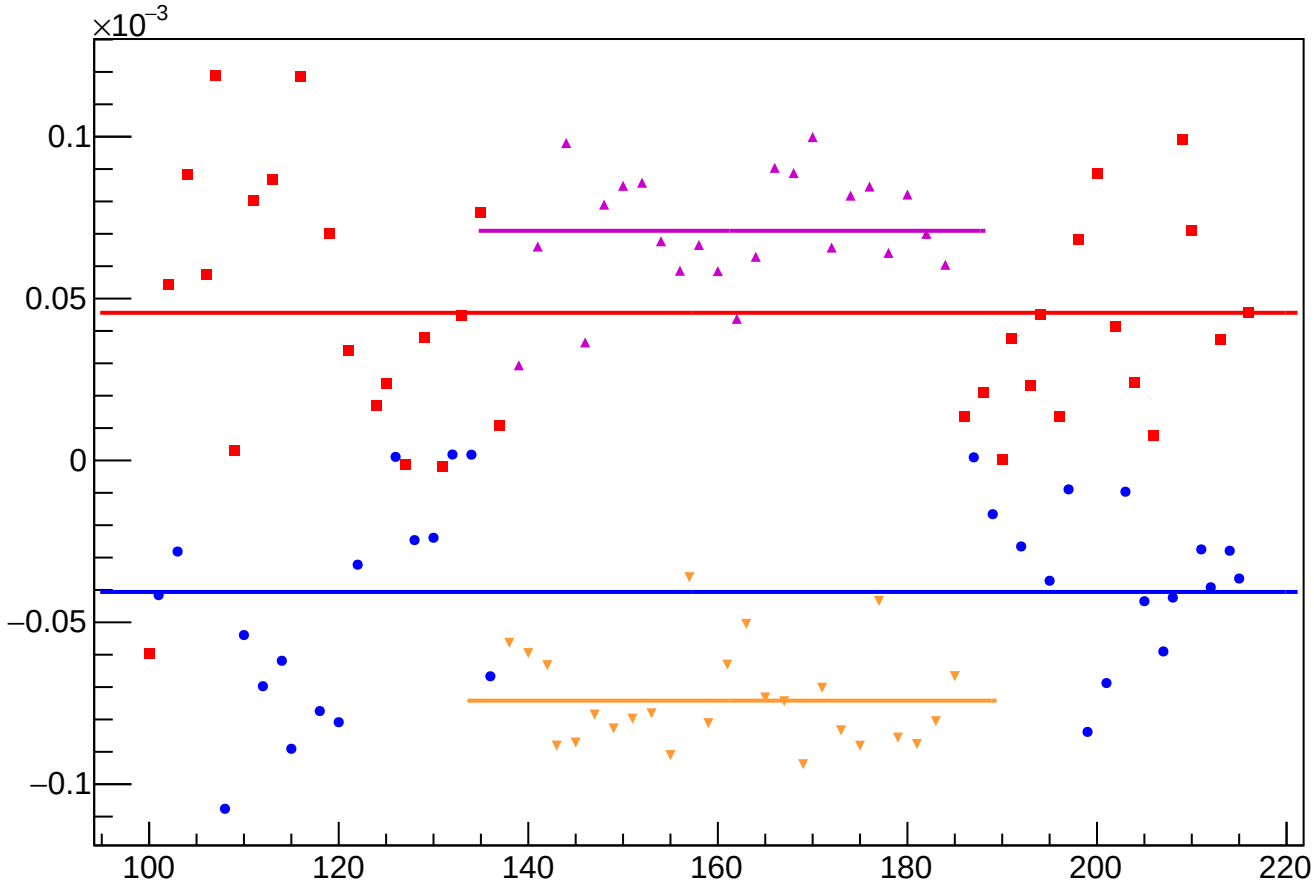
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -27.398+/-0.000 χ^2/NDF: 189341147045995

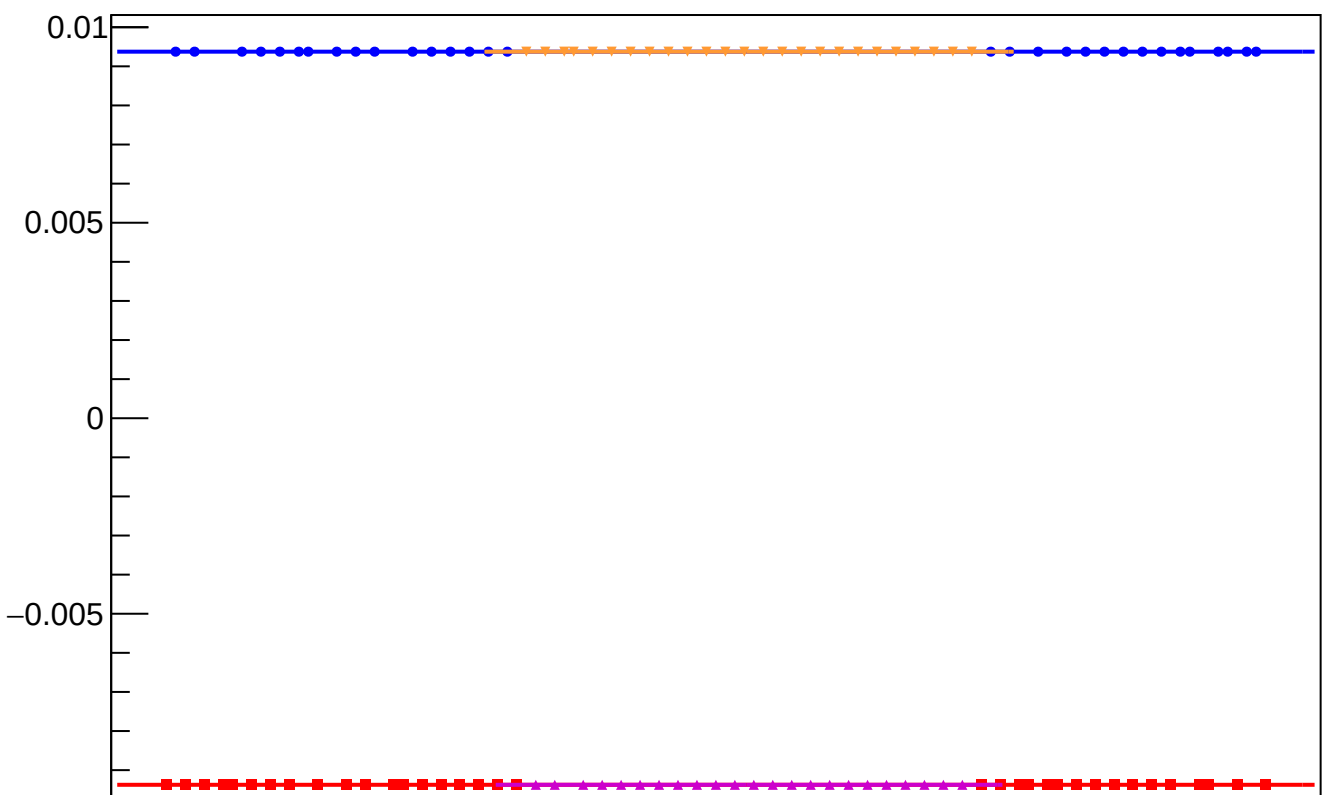
In: 39.865+/-0.000 χ^2/NDF:183573873242924179

Out: -5.149+/-0.000 χ^2/NDF:19129757232596487

All: 16.895+/-0.000 χ^2/NDF: 3749115949148


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: 20540022619498268348907520/34
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: 10784124608123587
In: 0.000+/-0.000 χ²/NDF:139935376985467252
Out: -0.000+/-0.000 χ²/NDF:17042046035731433
All: -0.000+/-0.000 χ²/NDF: 3261989071108

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: 0.3/34

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 34460184919724662

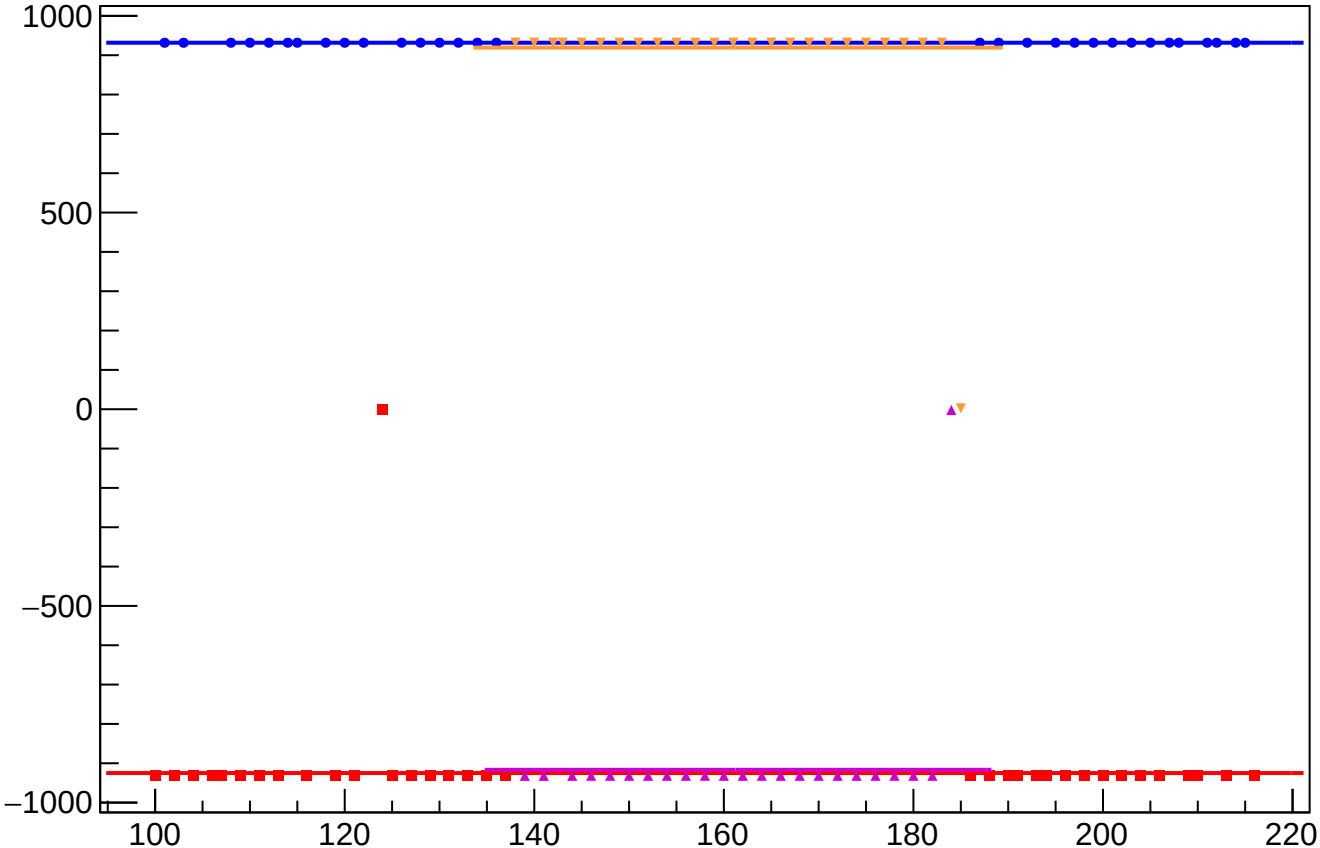
Right: -0.000+/-0.000 χ^2/NDF: 3519448735955046

In: 0.000+/-0.000 χ^2/NDF:341165195242079875

Out: -0.000+/-0.000 χ^2/NDF:35560329646564399

All: 0.000+/-0.000 χ^2/NDF: 6968435194381

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: -924.881+/-0.000 χ^2/NDF: 1292581499447122316503180934665941 8112.0/34

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

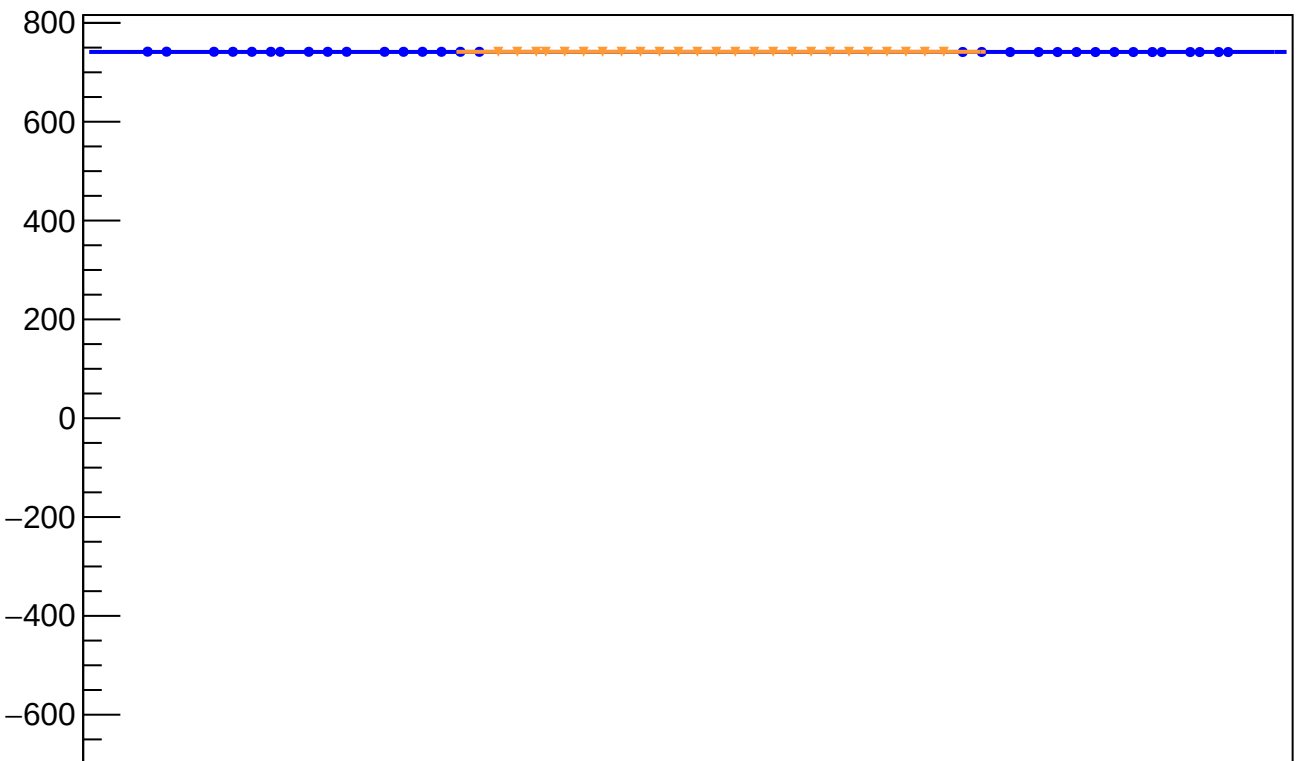
Right: -8.377+/-0.000 χ^2/NDF: 346383386862819 01

In: 24.458+/-0.000 χ^2/NDF:33419994343040807 6

Out: -5.046+/-0.000 χ^2/NDF:34762195288605360

All: 9.402+/-0.000 χ^2/NDF: 6819943709555 9

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.234+/-0.000 χ^2/NDF: 14050274691511190351474061633126 4.0/30

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: -741.245+/-0.000 χ^2/NDF: 14517350374518712434618153094 3488.0/34

Left In: -741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

Left: 21.165+/-0.000 χ^2/NDF: 2155819118342563

Right: -9.444+/-0.000 χ^2/NDF: 220013519945585

In: 13.417+/-0.000 χ^2/NDF:213351728484163643

Out: -1.698+/-0.000 χ^2/NDF:2223841358091611

All: 5.704+/-0.000 χ^2/NDF: 4357811328154

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: -980.780+/-0.000 χ^2/NDF: 6344169299963157734488867130572 8.0/34

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

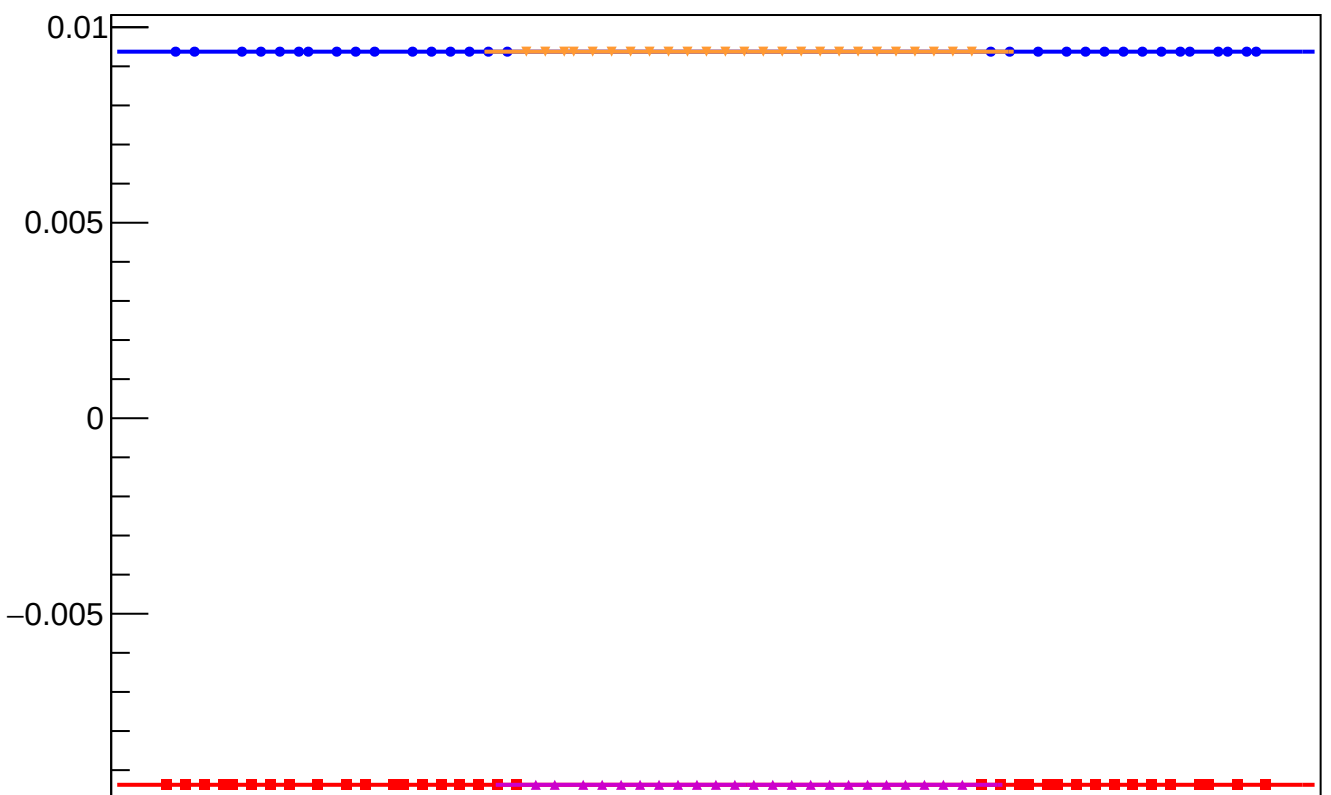
Right: -12.478+/-0.000 χ^2/NDF: 385199169531034

In: 25.762+/-0.000 χ^2/NDF:370283899165734745

Out: -8.960+/-0.000 χ^2/NDF:38656246904594550

All: 8.044+/-0.000 χ^2/NDF: 7570852490149

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: 0.3/34

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

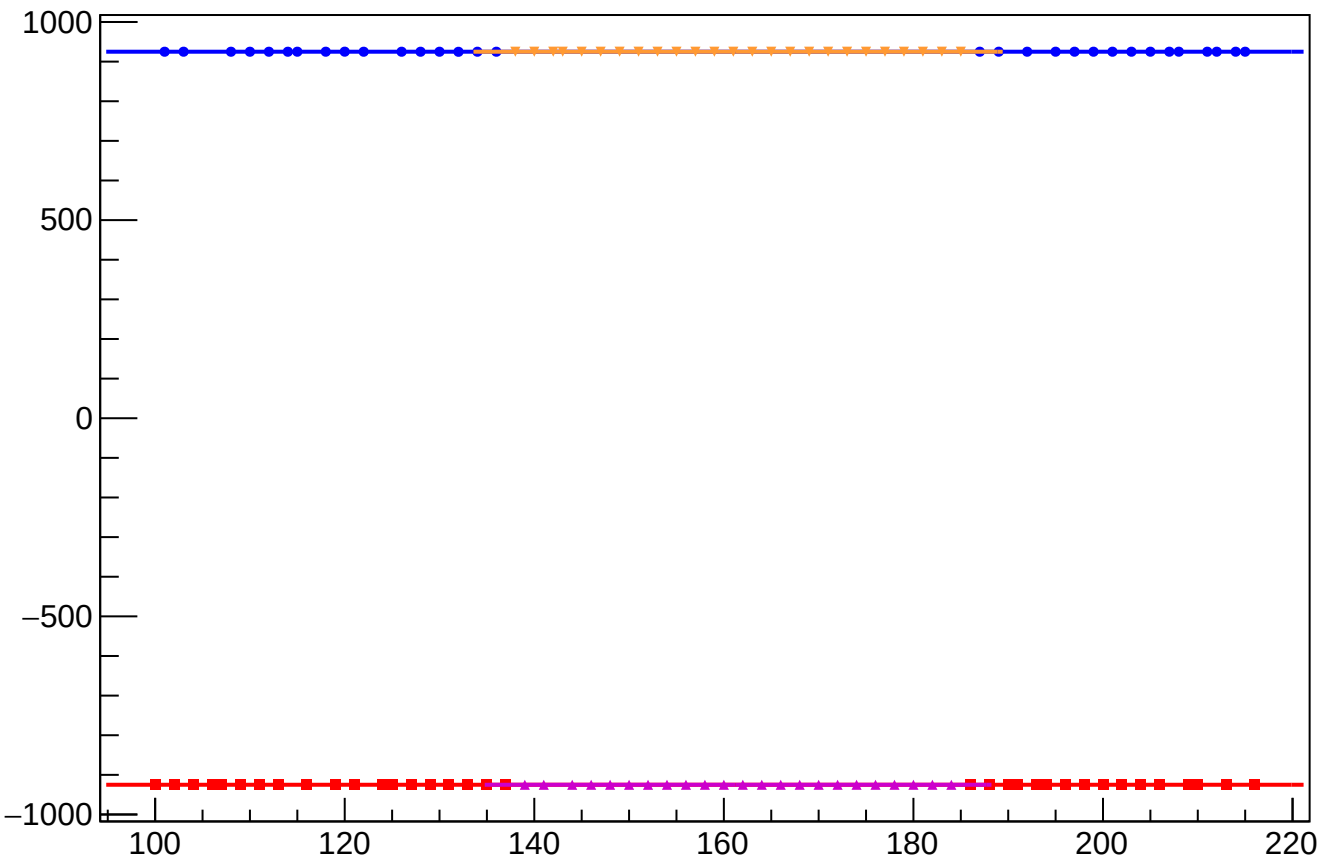
Left: 0.000+/-0.000 χ^2/NDF: 34460184919724662

Right: -0.000+/-0.000 χ^2/NDF: 3519448735955046

In: 0.000+/-0.000 χ^2/NDF:341165195242079875

Out: -0.000+/-0.000 χ^2/NDF:35560329646564399

All: 0.000+/-0.000 χ^2/NDF: 6968435194381



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: -924.997+/-0.000 χ^2/NDF: 19860951511149964913507313909 76.0/34

Left In: -924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

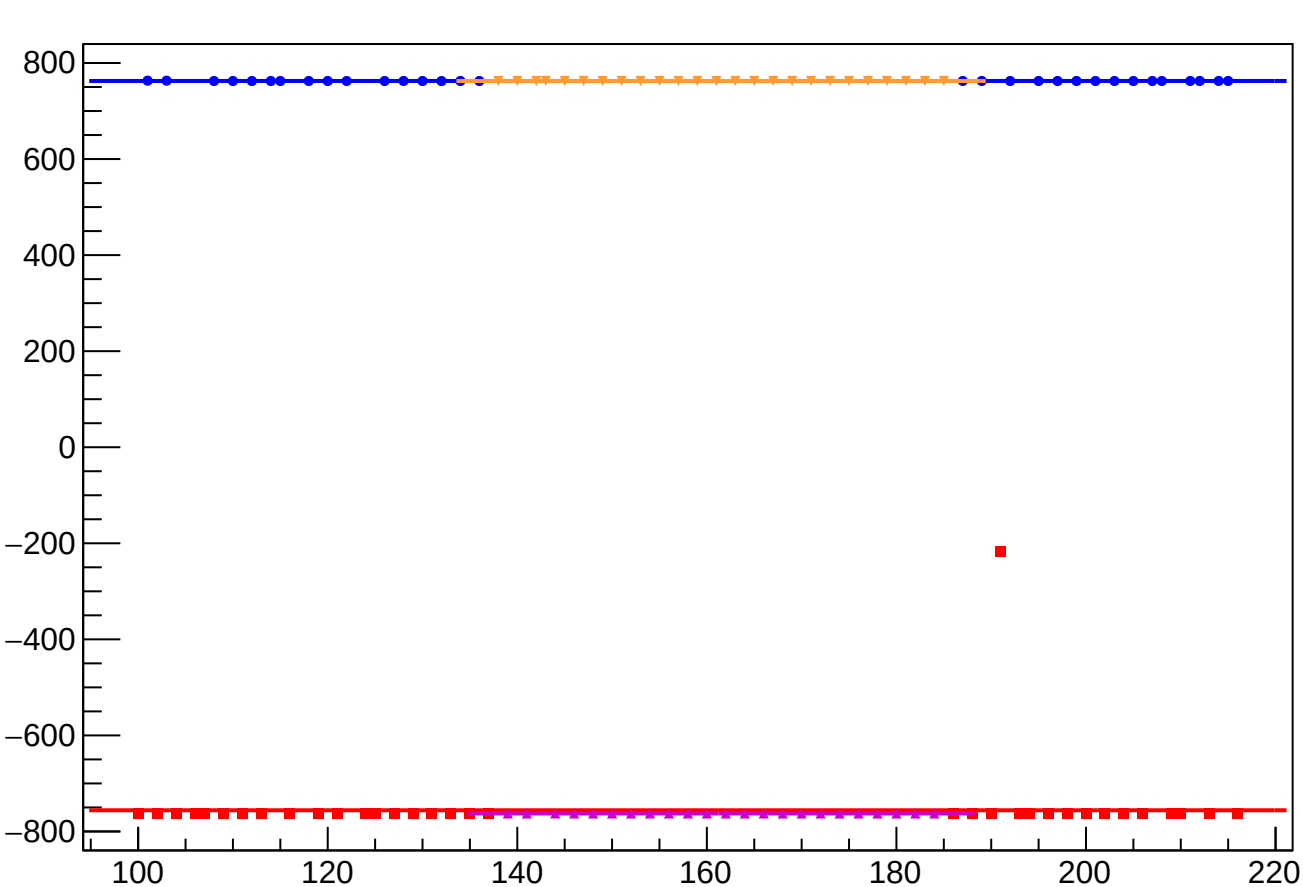
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

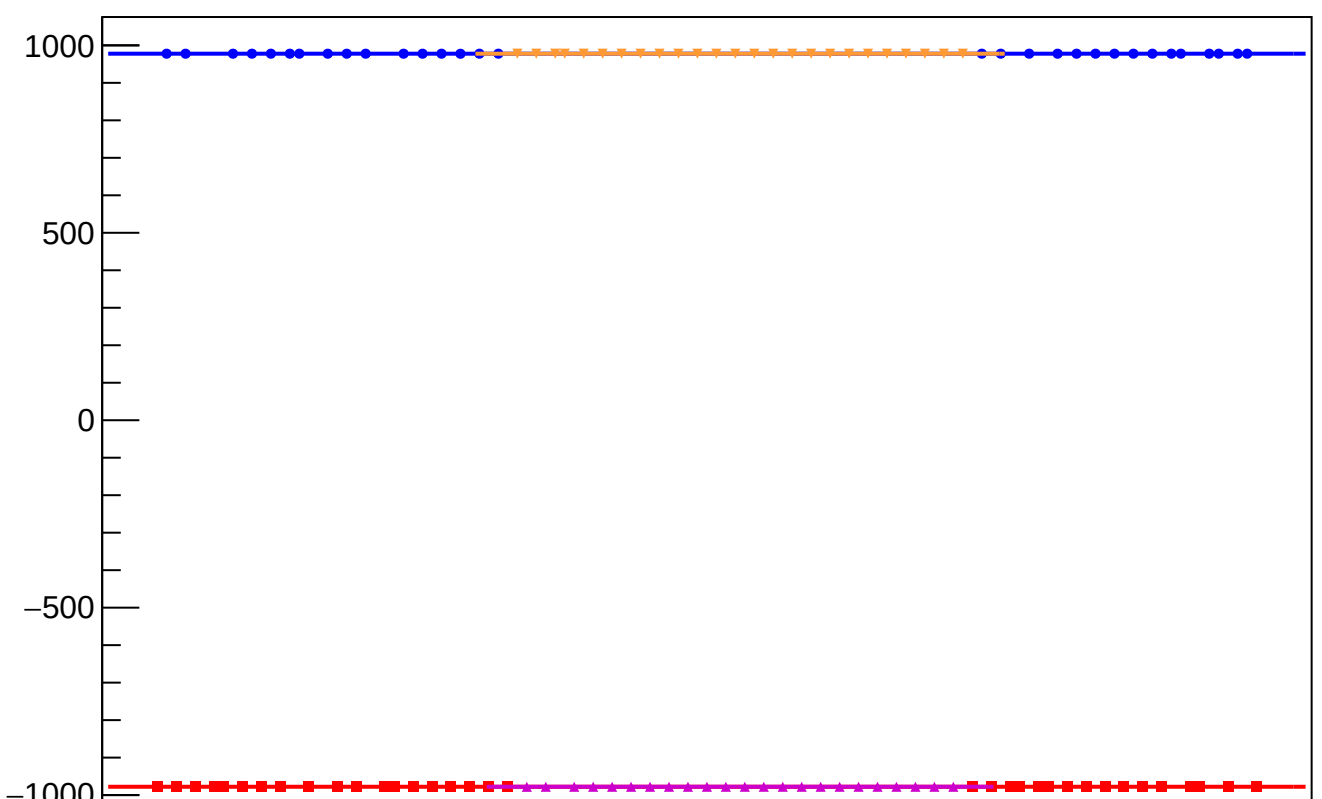
Right: -11.779+/-0.000 χ^2/NDF: 342619347364484

In: 16.920+/-0.000 χ^2/NDF:332120421103825588

Out: -2.293+/-0.000 χ^2/NDF:34617624024234251

All: 7.116+/-0.000 χ^2/NDF: 6783697983933


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: -755.850+/-0.000 χ²/NDF: 73477176587630822204584769545190768640/34
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: -6.308+/-0.000 χ²/NDF: 2315453662360593
In: 13.968+/-0.000 χ²/NDF:22571070497961149
Out: 1.458+/-0.000 χ²/NDF:23392885677965538
All: 7.584+/-0.000 χ²/NDF: 4596705743153



Right In: 977.761+/-0.000 χ^2/NDF: 22240089275409054753013807185920/30

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.758+/-0.000 χ^2/NDF: 2865473469288673092104592818176.0/34

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

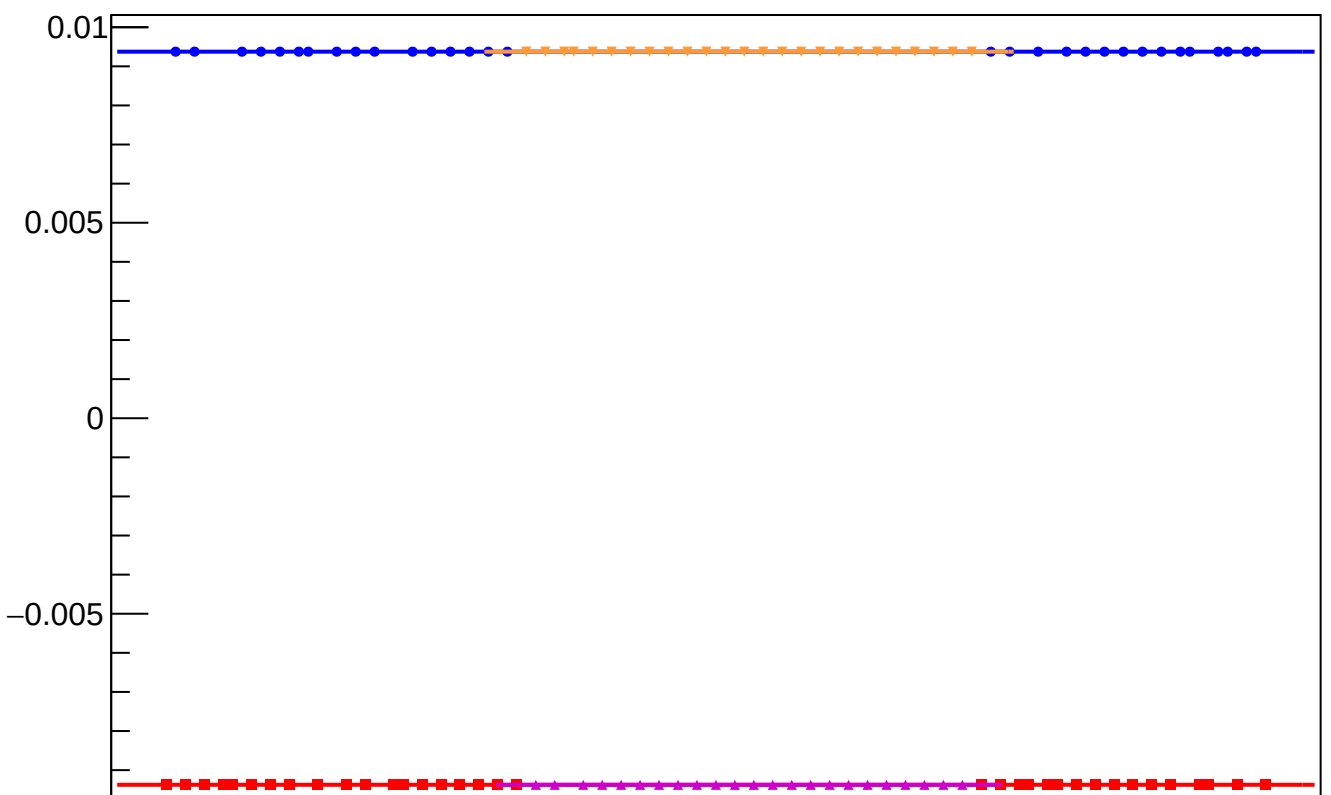
Right: -12.450+/-0.000 χ^2/NDF: 382821189823018

In: 17.891+/-0.000 χ^2/NDF:3710871815821740 2

Out: -2.427+/-0.000 χ^2/NDF:38679146579091074

All: 7.523+/-0.000 χ^2/NDF: 7579604394117

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: 0.3/34

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

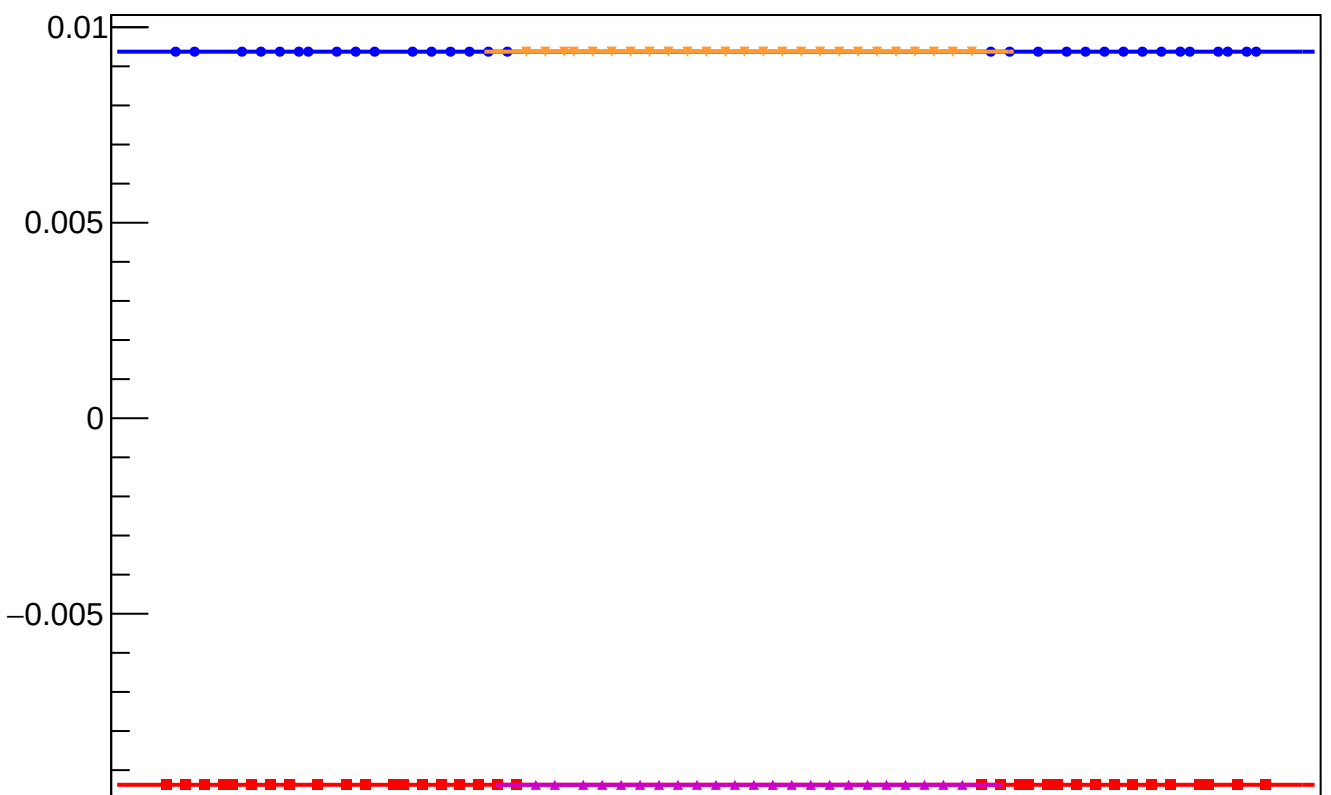
Right: -0.000+/-0.000 χ^2/NDF: 3519448735955046

In: 0.000+/-0.000 χ^2/NDF:341165195242079875

Out: -0.000+/-0.000 χ^2/NDF:35560329646564399

All: 0.000+/-0.000 χ^2/NDF: 6968435194381

MSUPERBIGBITEreadcalc_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: 0.3/34

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 34460184919724662

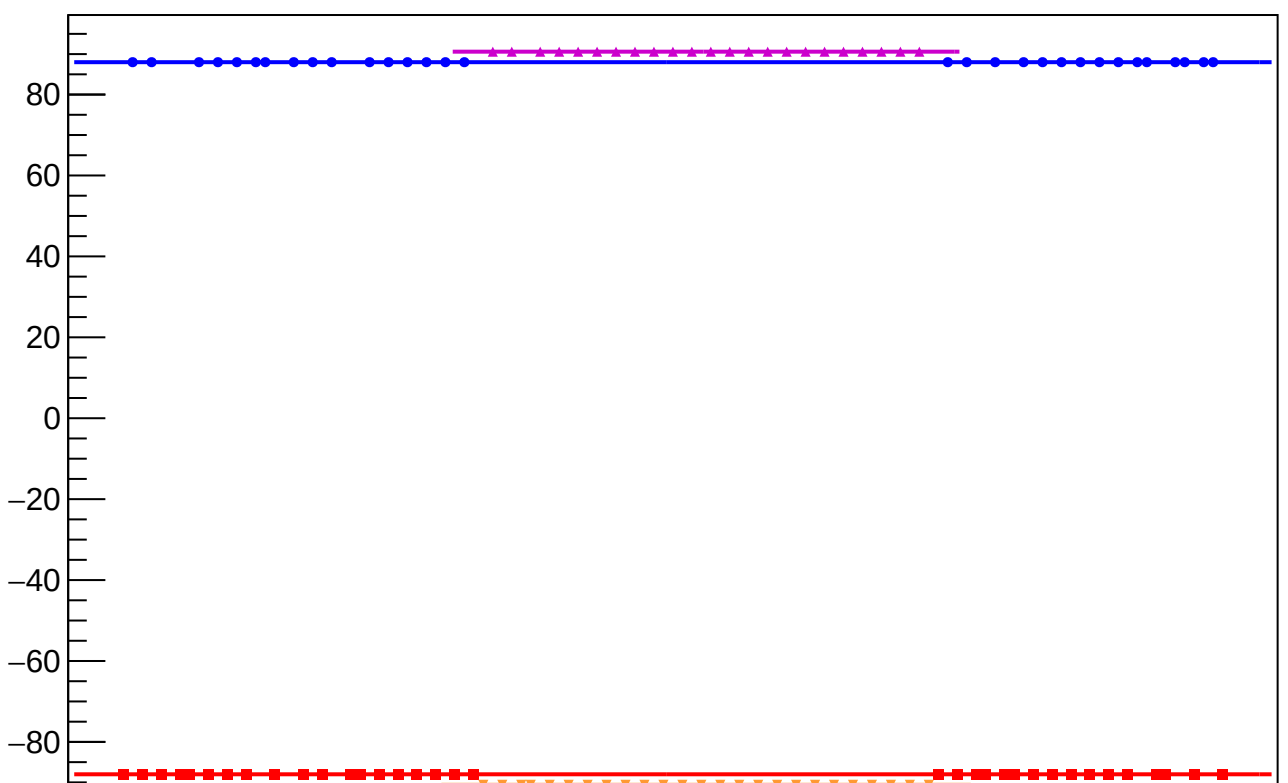
Right: -0.000+/-0.000 χ^2/NDF: 3519448735955046

In: 0.000+/-0.000 χ^2/NDF:341165195242079875

Out: -0.000+/-0.000 χ^2/NDF:35560329646564399

All: 0.000+/-0.000 χ^2/NDF: 6968435194381

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: 76705956905910188355377692672.0/34

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

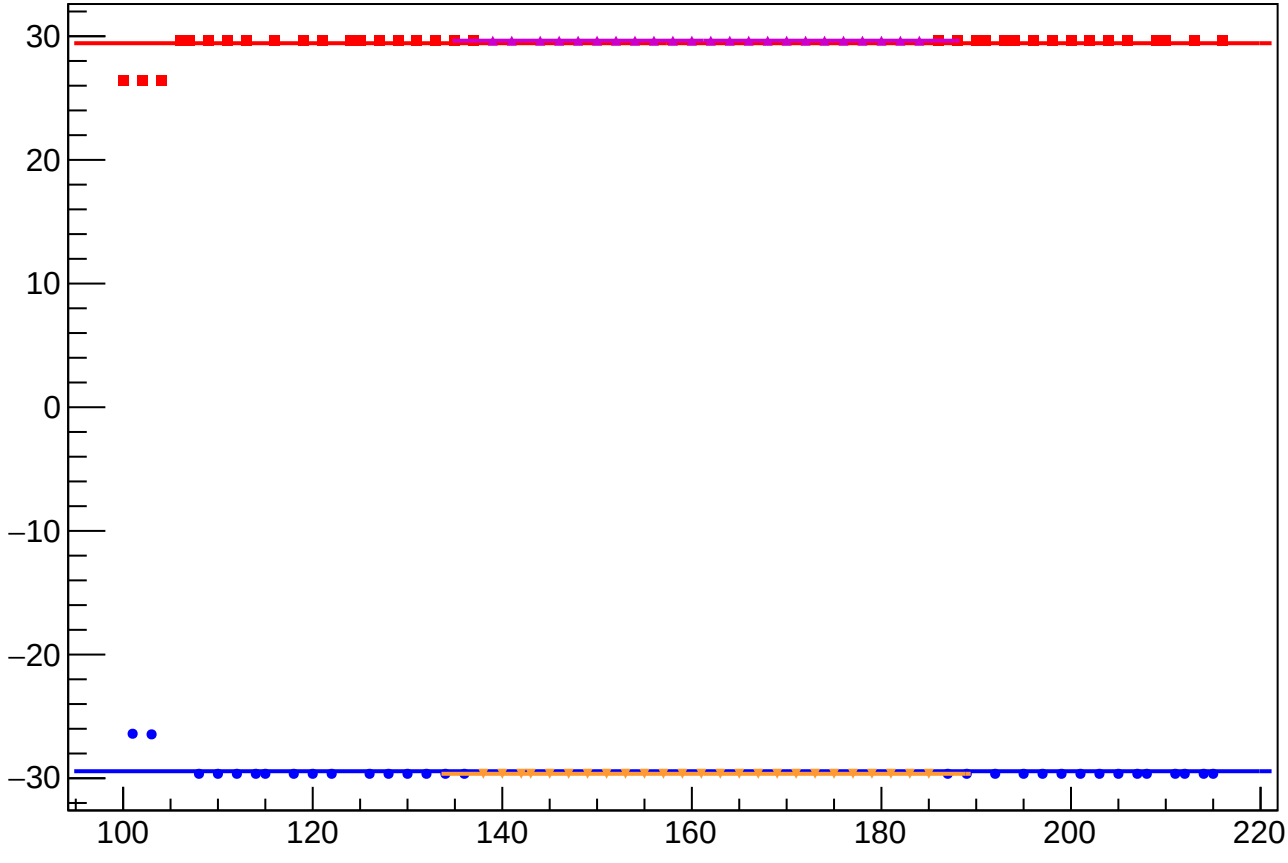
Right: -1.121+/-0.000 χ^2/NDF: 3101054481332098

In: 89.276+/-0.000 χ^2/NDF:655298168608243512

Out: -89.297+/-0.000 χ^2/NDF:6825034122940015

All: -1.846+/-0.000 χ^2/NDF: 6319766263133

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: 29.435+/-0.000 χ^2/NDF: 126805106982248465791976809798041 6.0/34

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

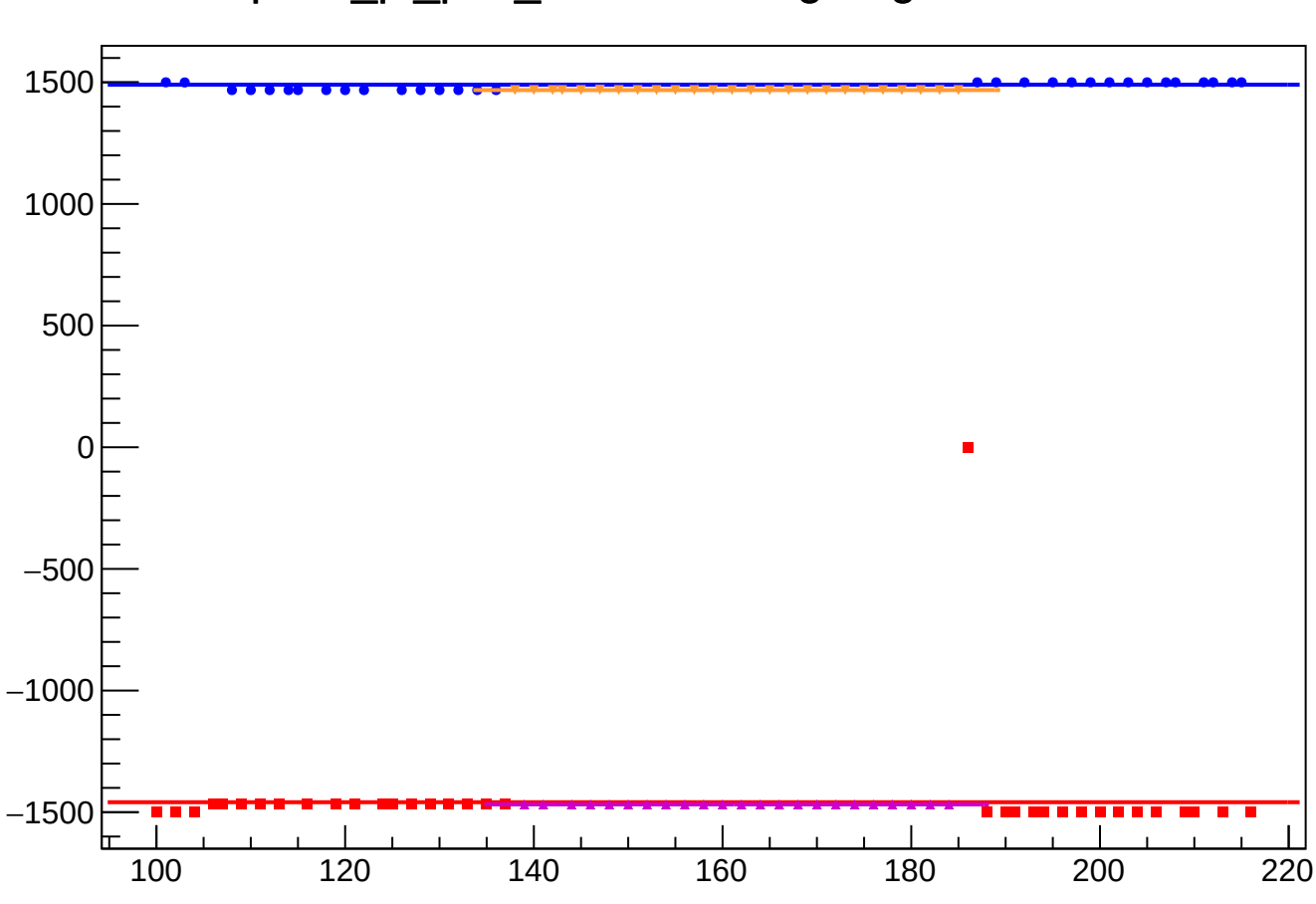
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 0.376+/-0.000 χ^2/NDF: 34716189718917062

In: -0.436+/-0.000 χ^2/NDF:338768387631426023

Out: -0.030+/-0.000 χ^2/NDF:35312726879959985

All: -0.229+/-0.000 χ^2/NDF: 6919283112689



Right In: 1490.056+/-0.000 χ^2/NDF: 433039504060554013240081080452644864.0/30

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1458.925+/-0.000 χ^2/NDF: 9172734964103048979090936852146395545 6.0/34

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

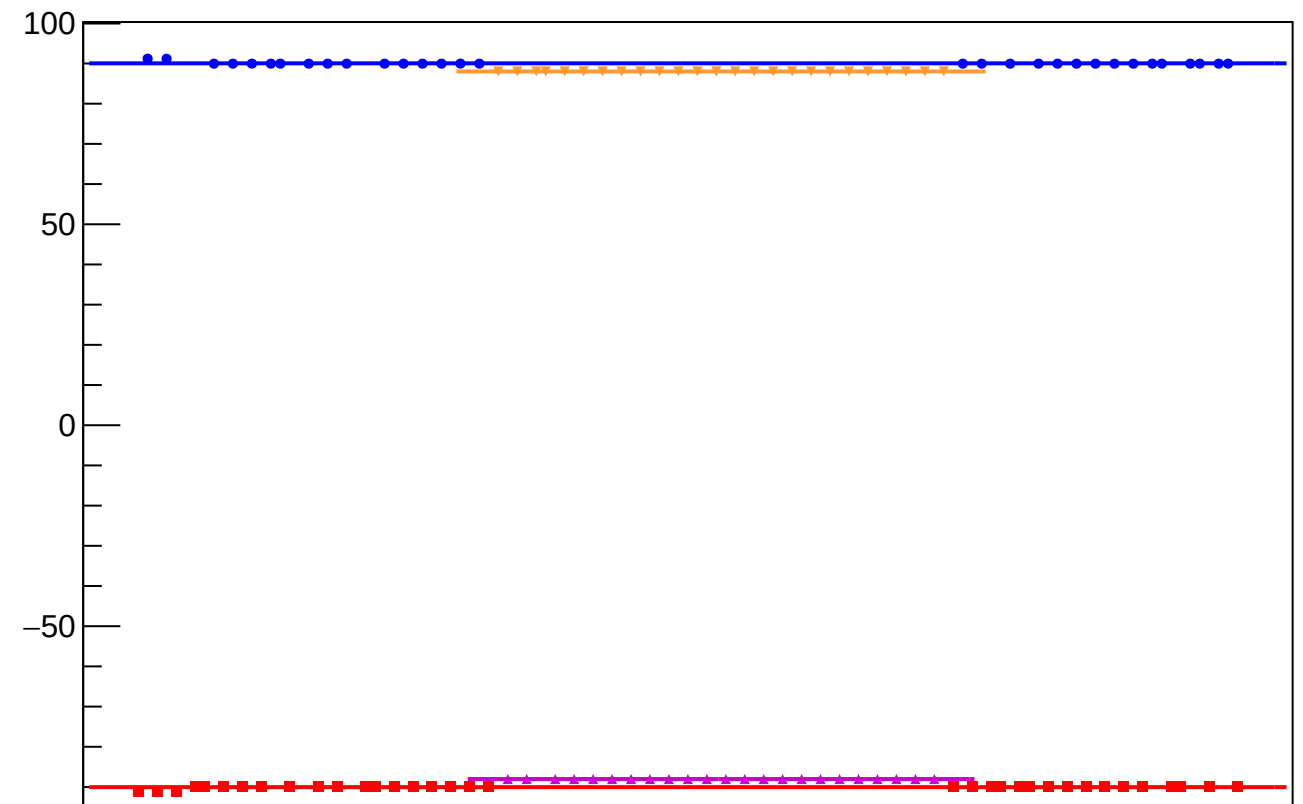
Right: -3.211+/-0.000 χ^2/NDF: 879810751839503 8

In: 38.075+/-0.000 χ^2/NDF:849170999729120387

Out: 0.946+/-0.000 χ^2/NDF:875738400099210532

All: 19.129+/-0.000 χ^2/NDF: 172518255331 0

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: -90.038+/-0.000 χ^2/NDF: 1857334366864176717705392297082880/34

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238480

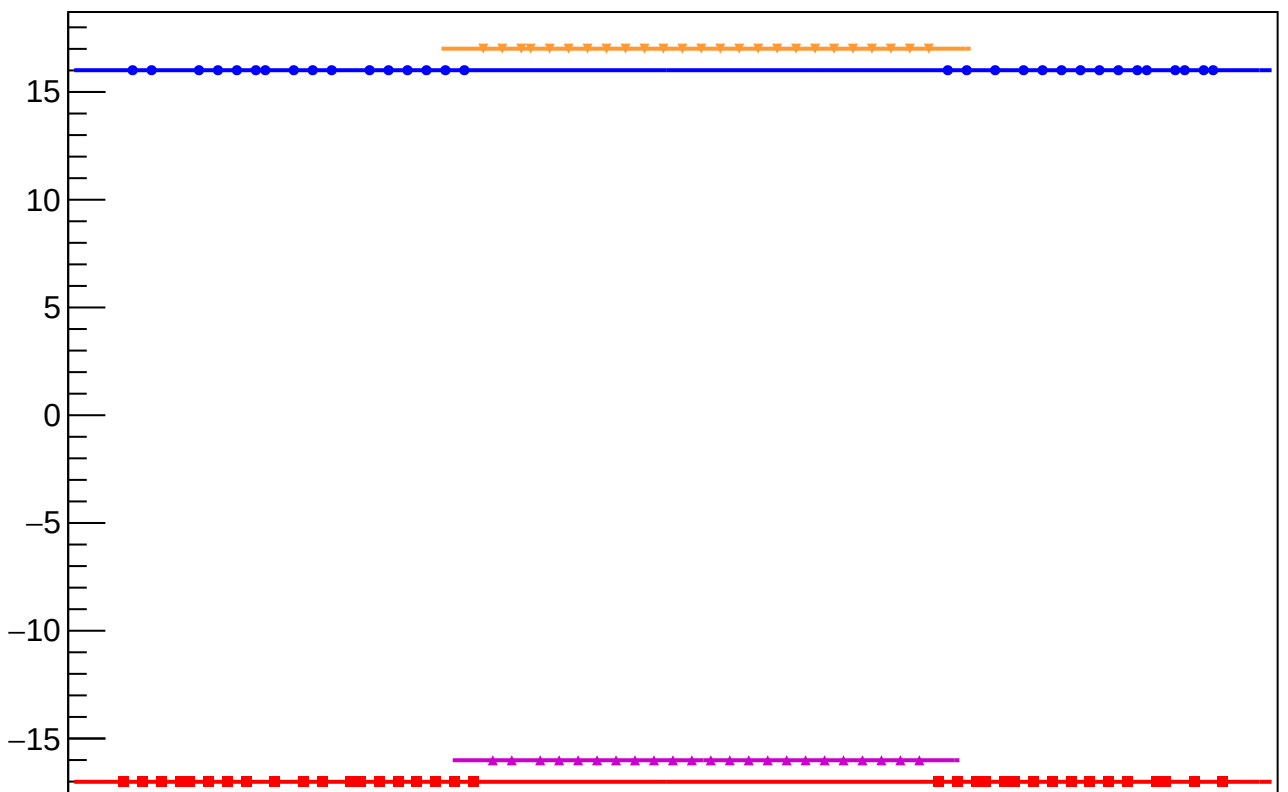
Right: -1.146+/-0.000 χ^2/NDF: 3246353431958493

In: 2.637+/-0.000 χ^2/NDF:3076787512833538330

Out: -1.229+/-0.000 χ^2/NDF:32069560137109972

All: 0.664+/-0.000 χ^2/NDF: 628670490118140

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676860

Right In: 16.009+/-0.000 χ^2/NDF: 9869570889424600867799040.0/30

Right: -0.585+/-0.000 χ^2/NDF: 1061858290366080

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

In: 0.730+/-0.000 χ^2/NDF:948129246241565218

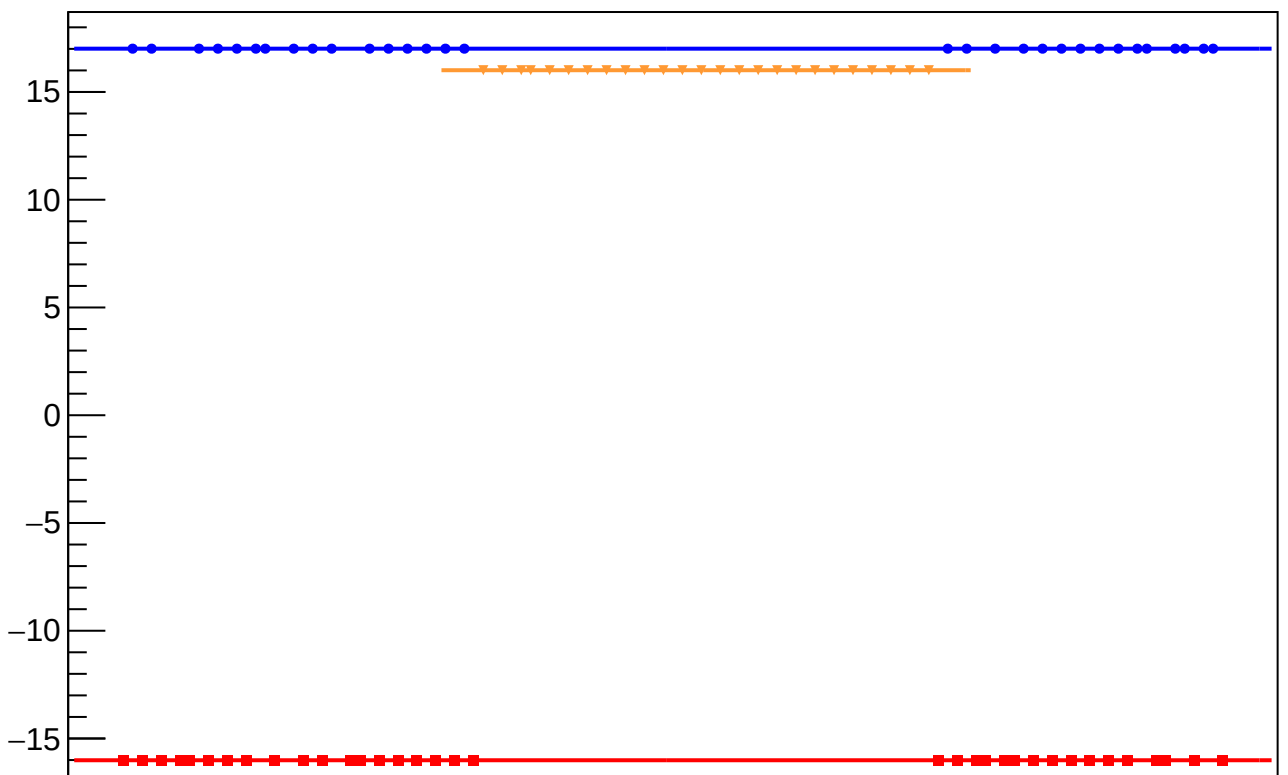
Right Out: -17.009+/-0.000 χ^2/NDF: 2159083268222606440293990 4.0/34

Out: -0.382+/-0.000 χ^2/NDF:11075202400245491

Left In: -16.009+/-0.000 χ^2/NDF:1246879121670635236884480.0/22

All: 0.165+/-0.000 χ^2/NDF: 2057978001468

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: 2449278484121372327936 0.0/34

Left In: -17.009+/-0.000 χ^2/NDF:1110071044208815662694400.0/22

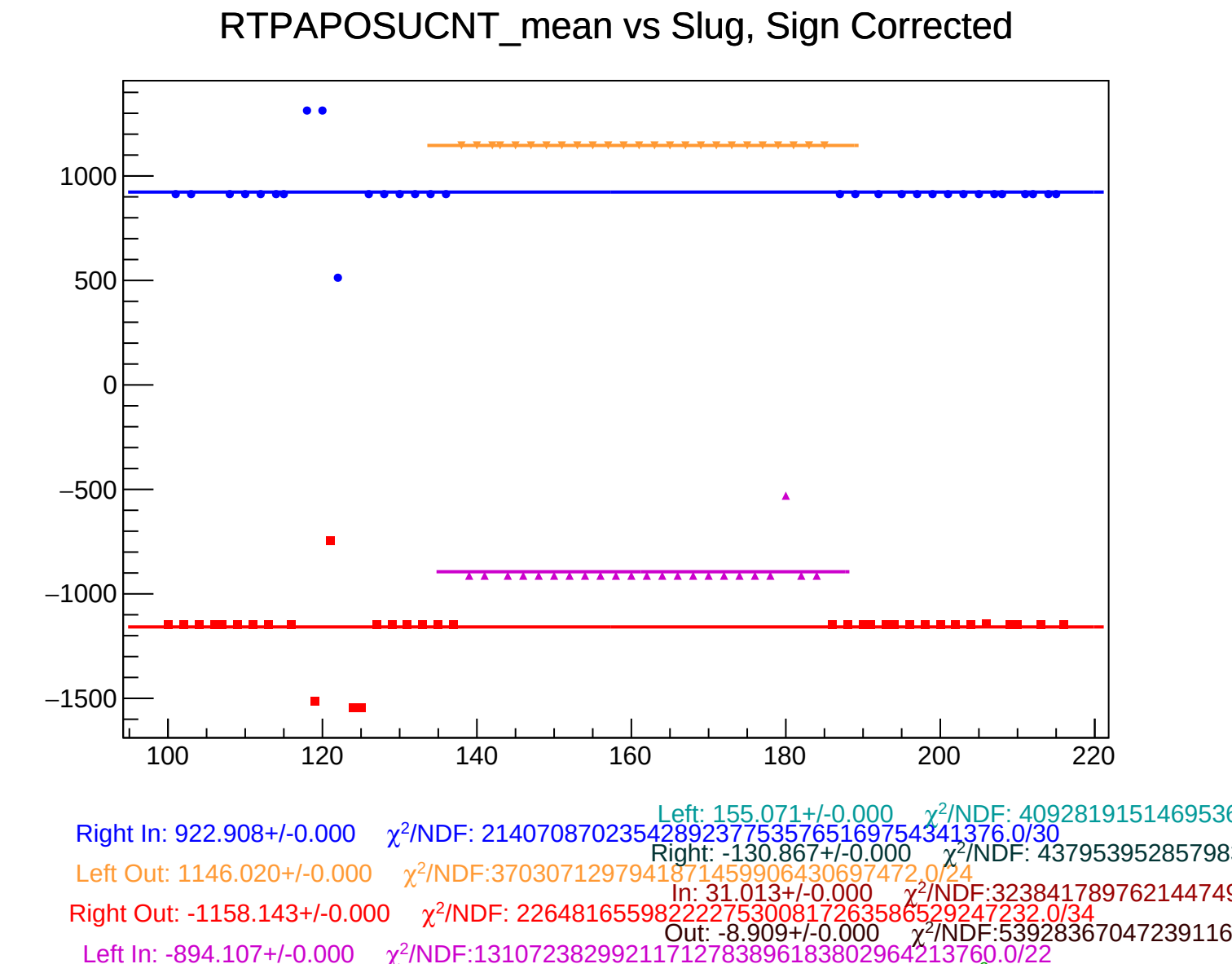
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

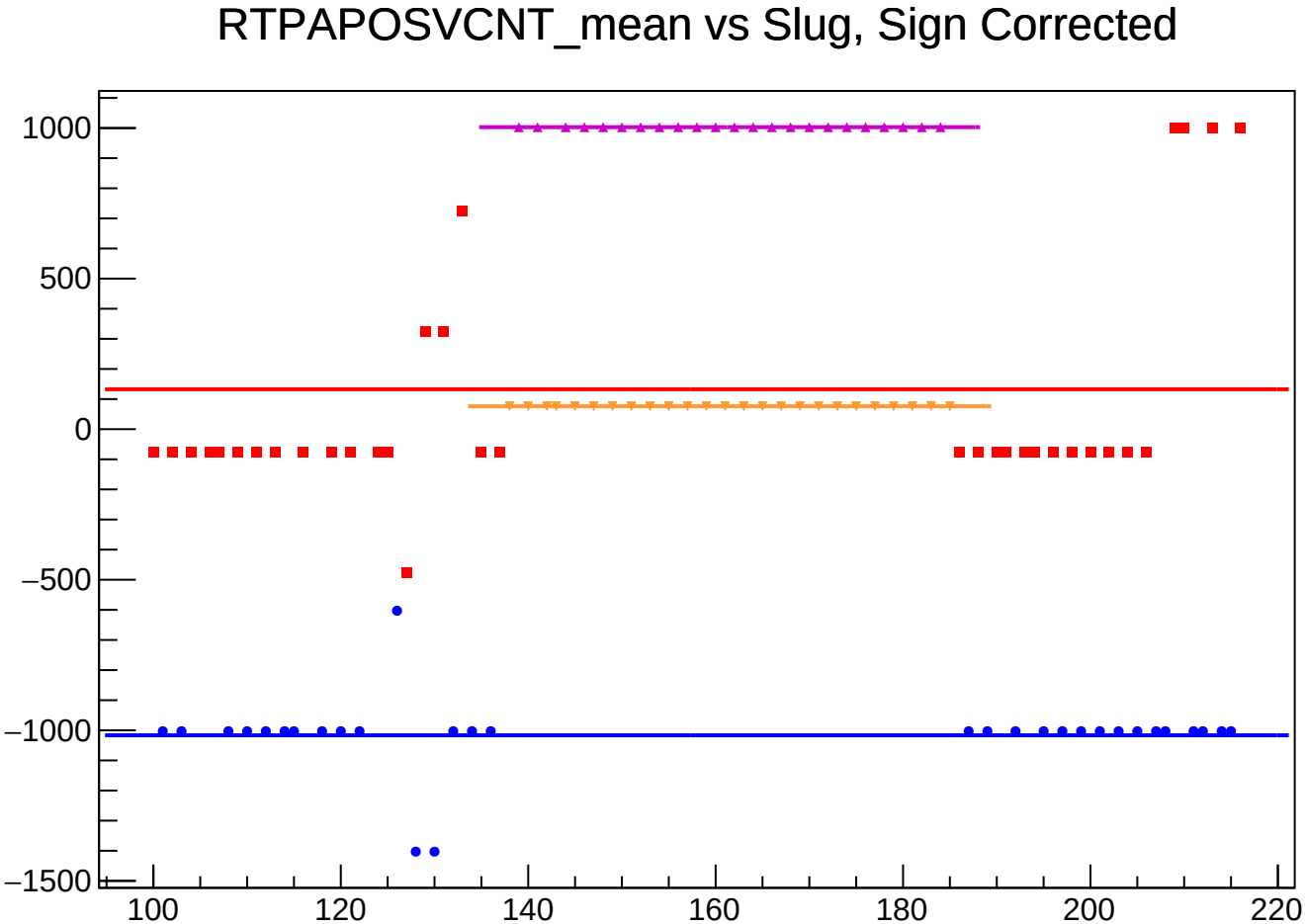
Right: 0.163+/-0.000 χ^2/NDF: 10807921329558058

In: 0.371+/-0.000 χ^2/NDF:109975492507419941

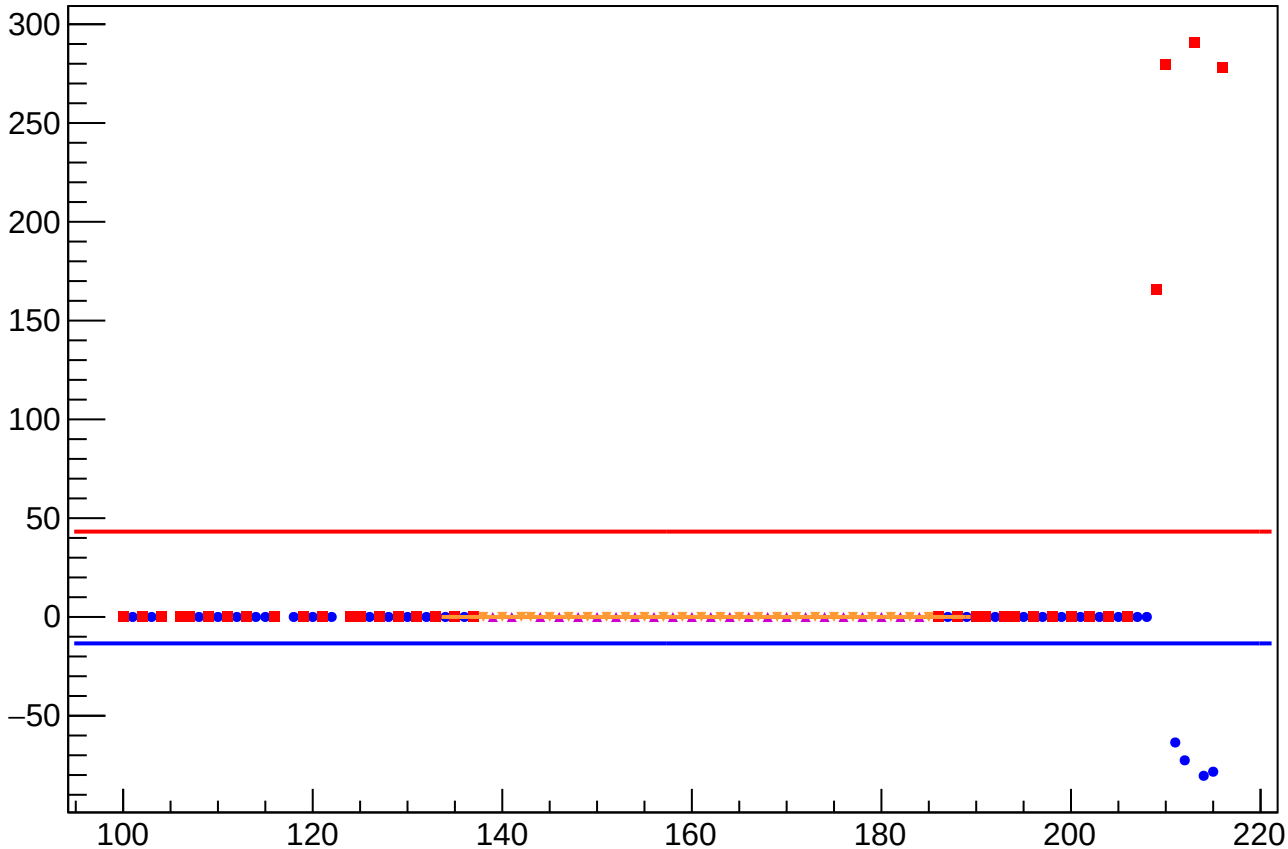
Out: -0.128+/-0.000 χ^2/NDF:10292352476448125

All: 0.115+/-0.000 χ^2/NDF: 21294761432932


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:37030712979418714599064306974 72.0/24
Right Out: -1158.143+/-0.000 χ²/NDF: 22648165598222275300817263586529247232.0/34
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137 60.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -130.867+/-0.000 χ²/NDF: 43795395285798
In: 31.013+/-0.000 χ²/NDF:3238417897621447 49
Out: -8.909+/-0.000 χ²/NDF:53928367047239116
All: 10.642+/-0.000 χ²/NDF: 863441241767


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Left: 526.293+/-0.000 χ²/NDF: 8422008663429018
Right In: -1016.545+/-0.000 χ²/NDF: 2347638889390512261169473339252539392 0.0/30
Right: -434.647+/-0.000 χ²/NDF: 17072432103880
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: -25.241+/-0.000 χ²/NDF:39813757710457308
Right Out: 132.616+/-0.000 χ²/NDF: 3617596459166922291892252412048194928 64.0/34
Out: 104.404+/-0.000 χ²/NDF:364995936099262
Left In: 1002.990+/-0.000 χ²/NDF:29519559033483147530972692 48.0/22
All: 40.914+/-0.000 χ²/NDF: 437967505181

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: 43.203+/-0.000 χ^2/NDF: 19323578681461234103909065457427021824.0/34

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

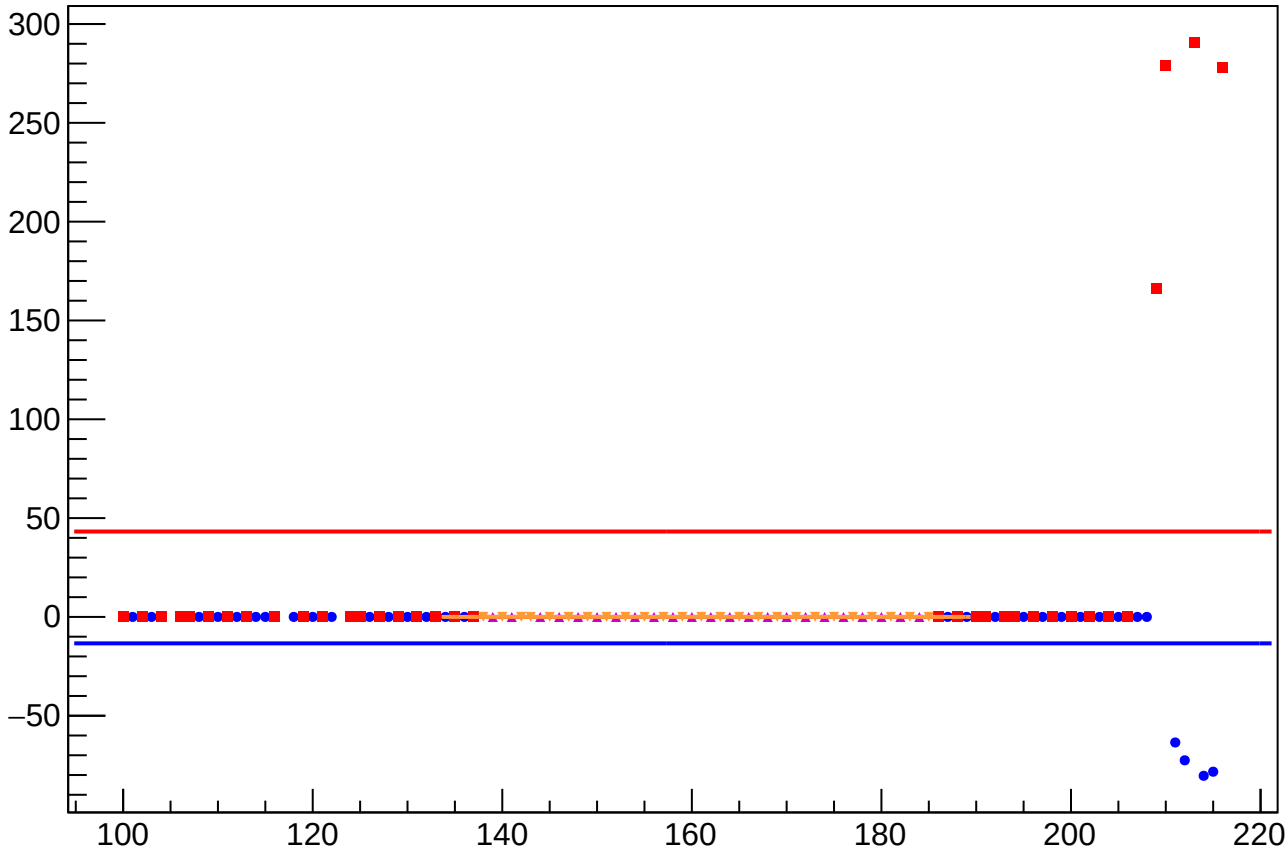
Right: 15.272+/-0.000 χ^2/NDF: 2415152217373104

In: -6.817+/-0.000 χ^2/NDF:17964218899245064

Out: 21.659+/-0.000 χ^2/NDF:21210675662739673

All: 7.714+/-0.000 χ^2/NDF: 24613780917989

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: 43.215+/-0.000 χ^2/NDF: 19324700538237941883425104892318973952.0/34

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3446018491972466230

Right: 15.278+/-0.000 χ^2/NDF: 2415402786362888

In: -6.817+/-0.000 χ^2/NDF:179642188992450644

Out: 21.665+/-0.000 χ^2/NDF:21212864920587861

All: 7.717+/-0.000 χ^2/NDF: 24616661097543